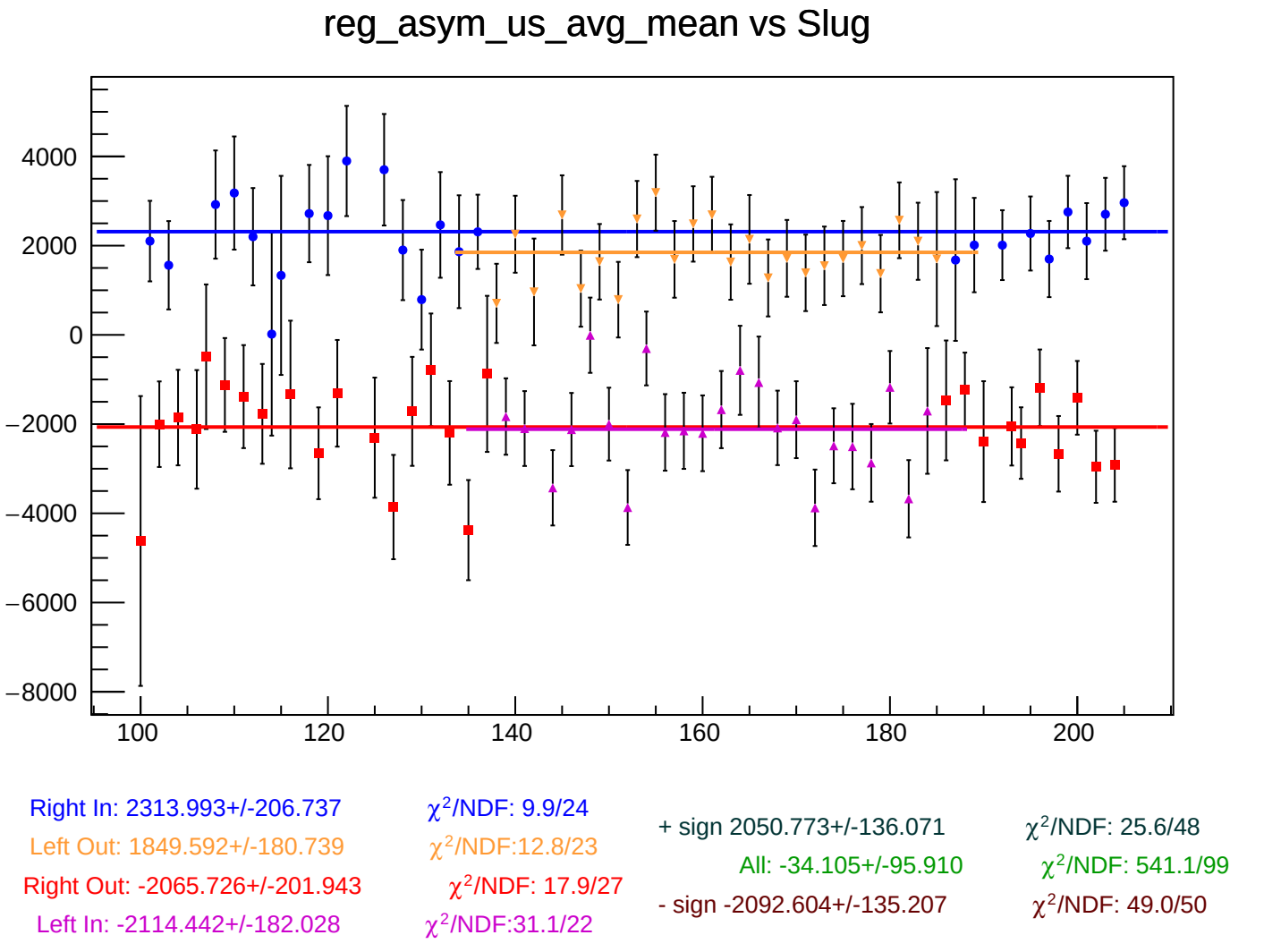


Right In: 2313.993+/-206.737 χ^2/NDF: 9.9/24

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

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

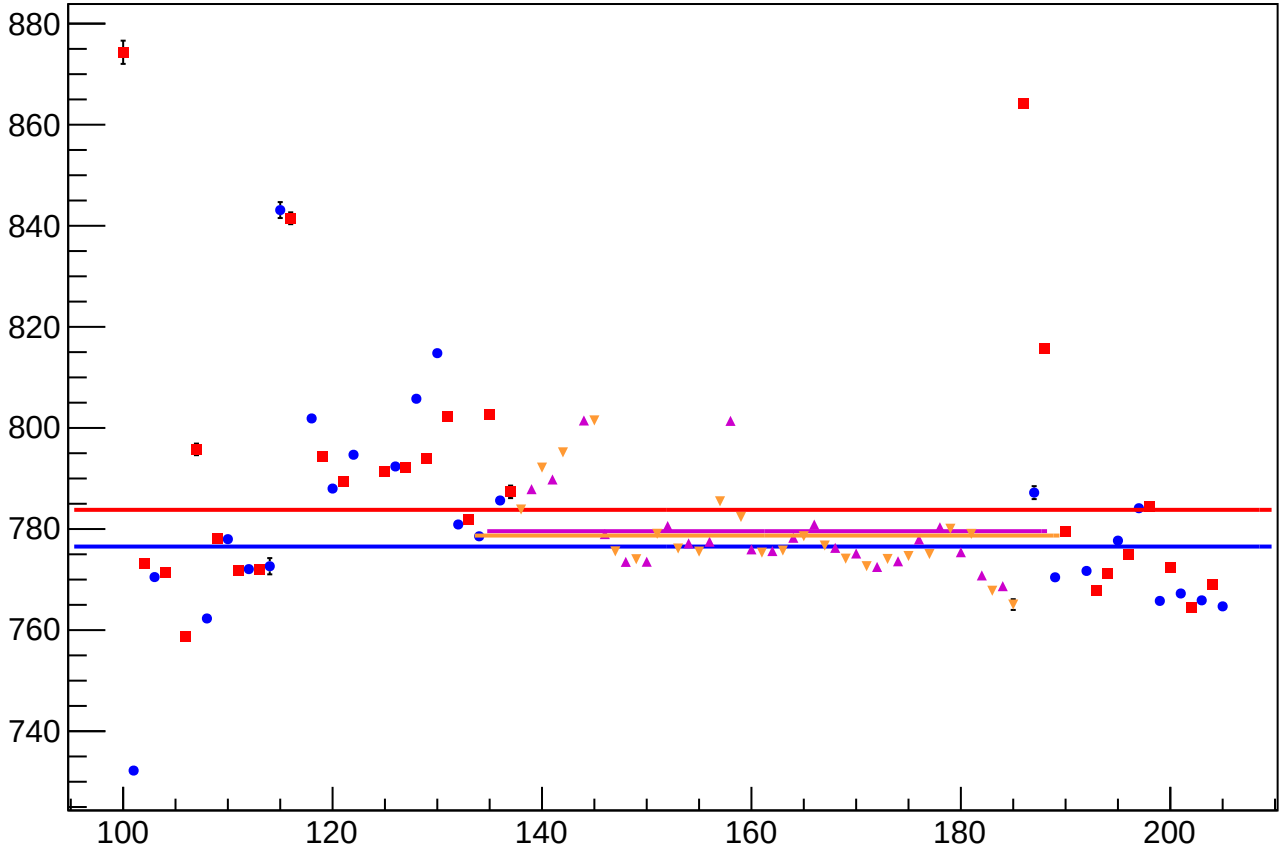
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.773+/-136.071 χ^2/NDF: 25.6/48

All: -34.105+/-95.910 χ^2/NDF: 541.1/99

- sign -2092.604+/-135.207 χ^2/NDF: 49.0/50

reg_asym_us_avg_rms vs Slug



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

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

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

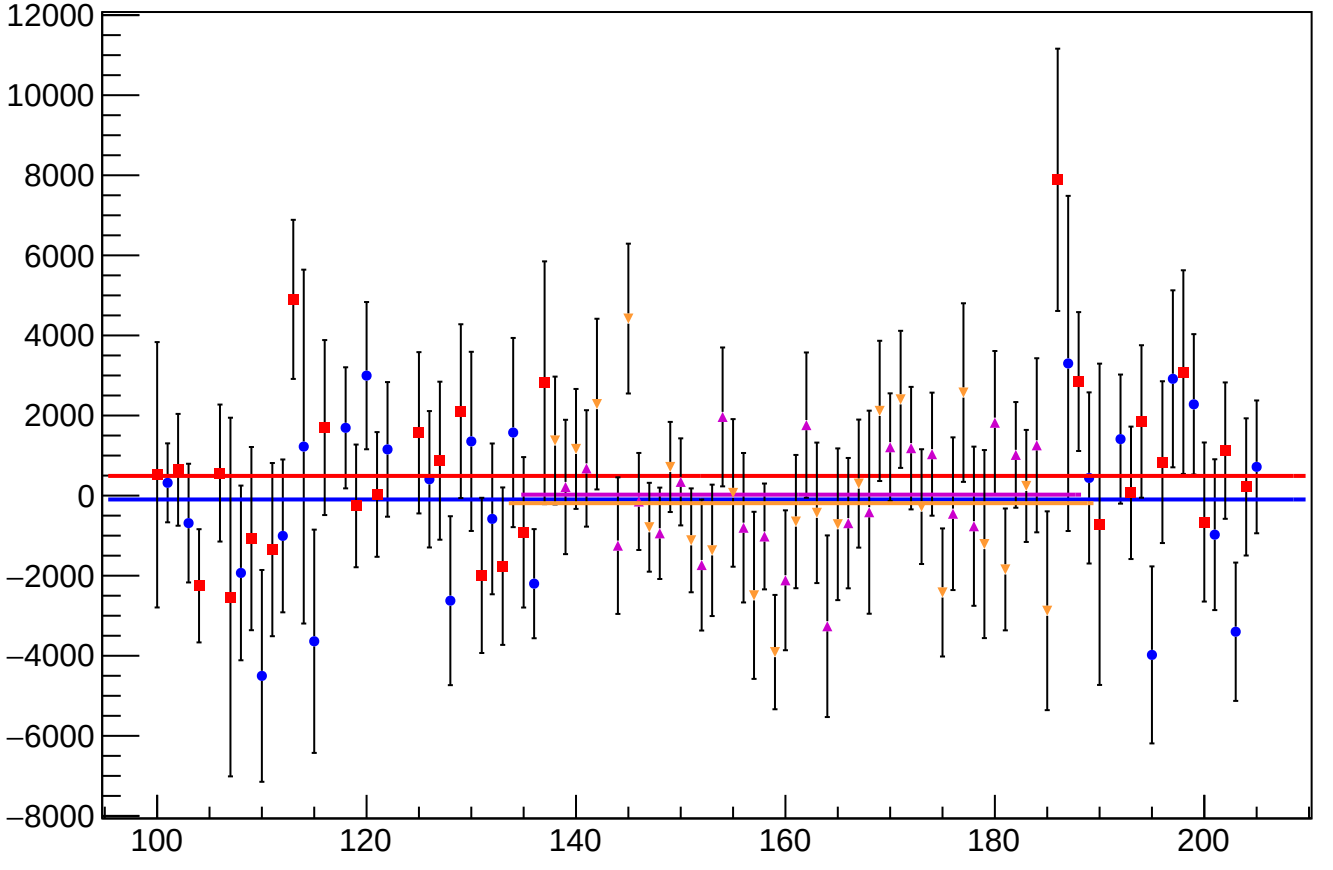
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 777.766+/-0.096 χ^2/NDF: 18176.4/48

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

- sign 781.468+/-0.096 χ^2/NDF: 25709.3/50

asym_us_avg_reg_correction_mean vs Slug



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

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

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

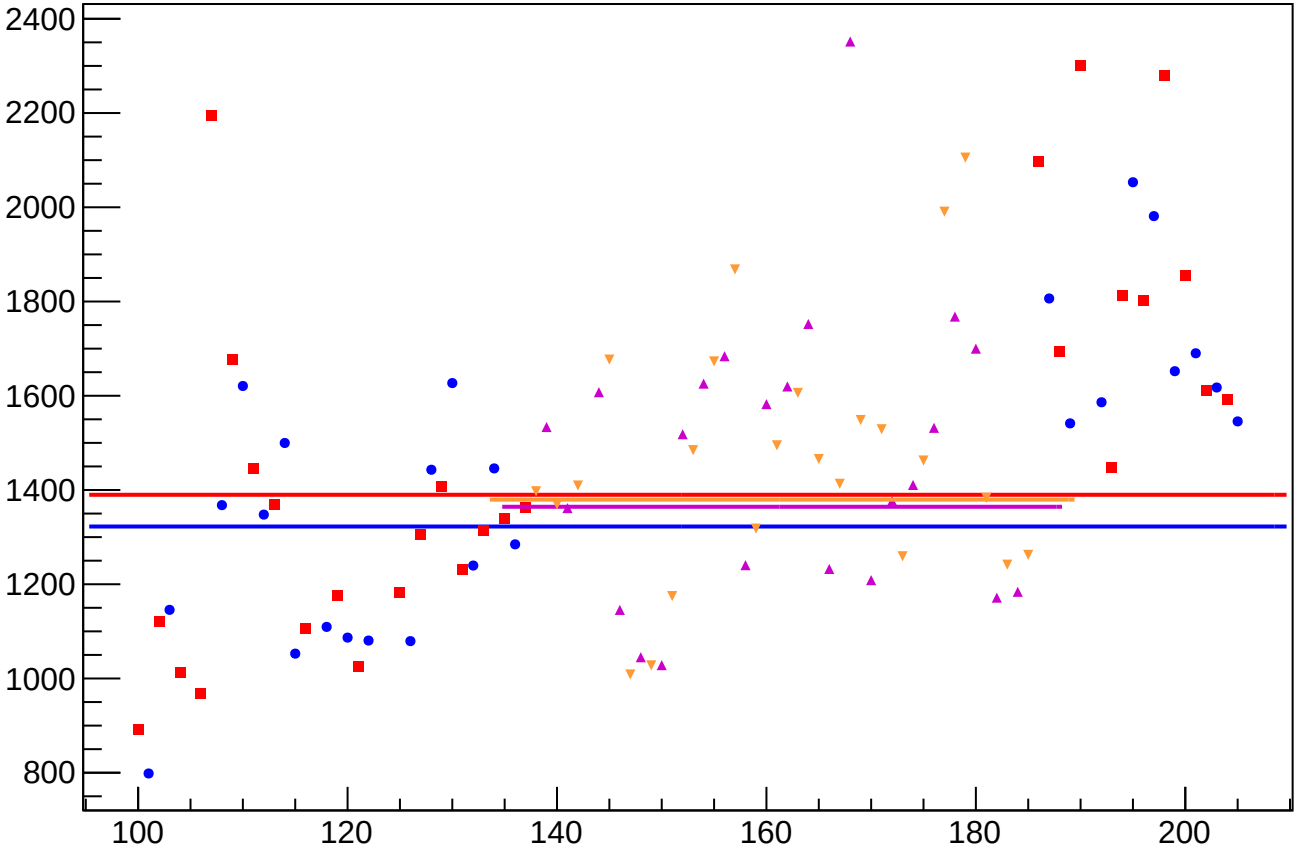
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -147.731+/-243.707 χ^2/NDF: 57.5/48

All: 39.532+/-172.620 χ^2/NDF: 98.2/99

- sign 228.075+/-244.539 χ^2/NDF: 39.5/50

asym_us_avg_reg_correction_rms vs Slug



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

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

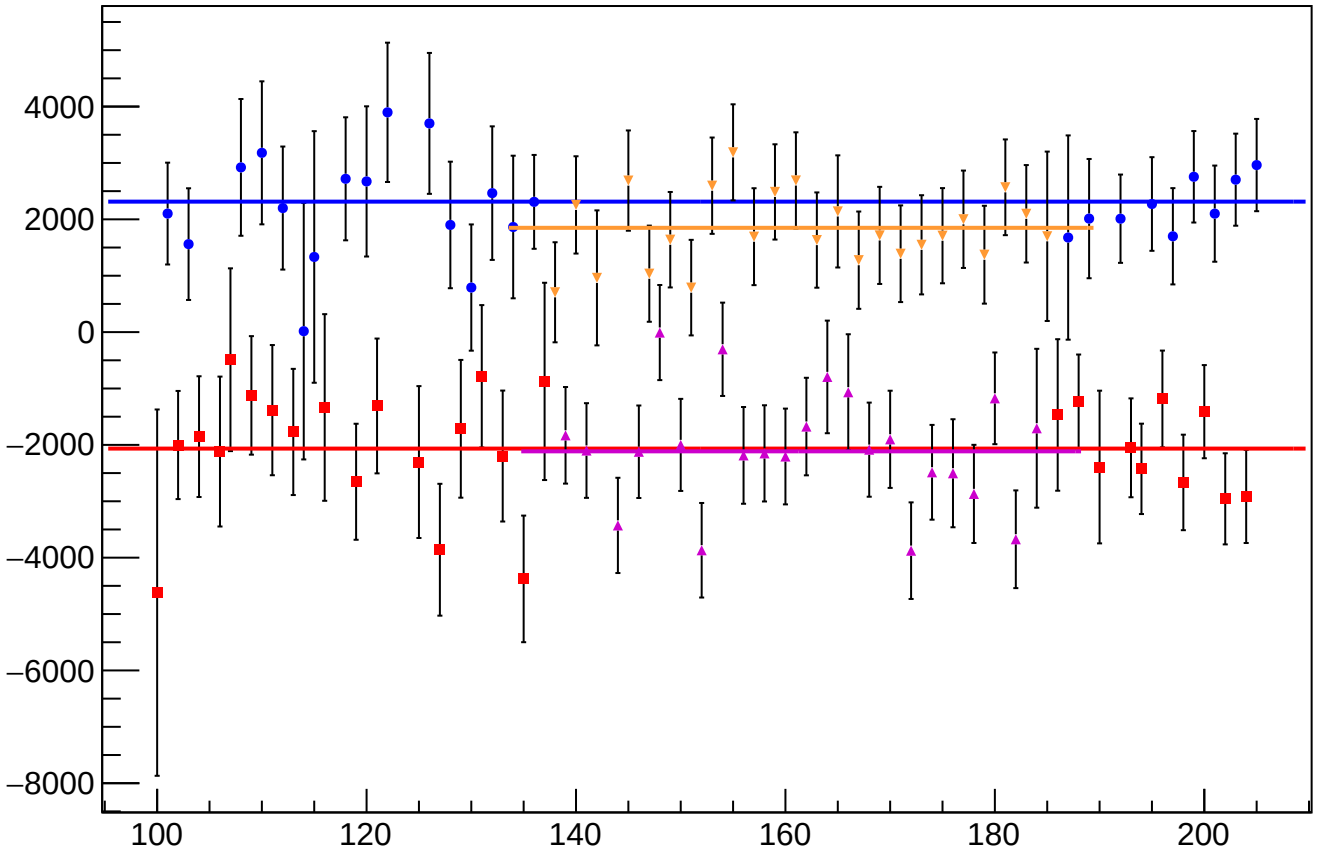
Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

+ sign 1354.062+/-0.172 χ^2/NDF: 2775680.7/48

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

- sign 1375.520+/-0.173 χ^2/NDF: 2882831.8/50



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

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

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

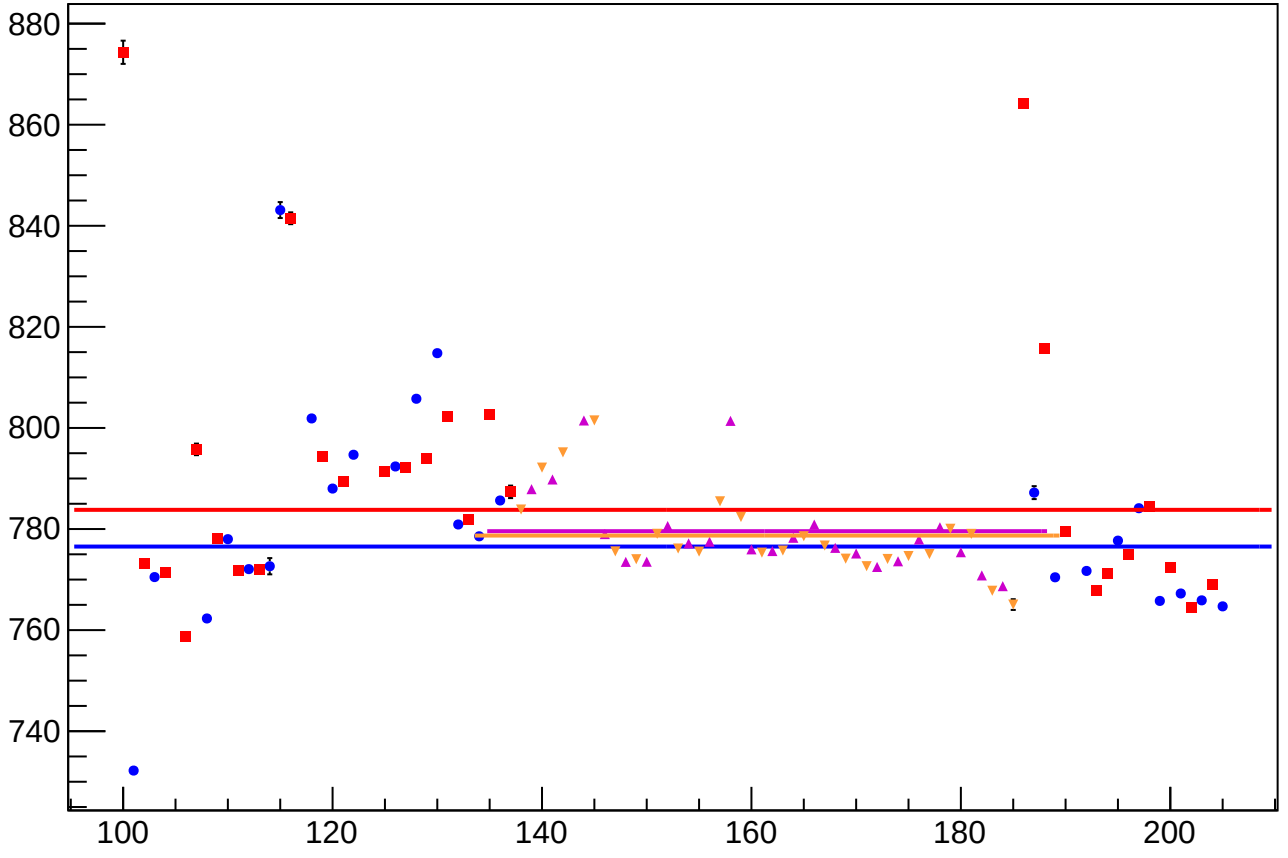
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.773+/-136.071 χ^2/NDF: 25.6/48

All: -34.105+/-95.910 χ^2/NDF: 541.1/99

- sign -2092.604+/-135.207 χ^2/NDF: 49.0/50

cor_asym_us_avg_rms vs Slug



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

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

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

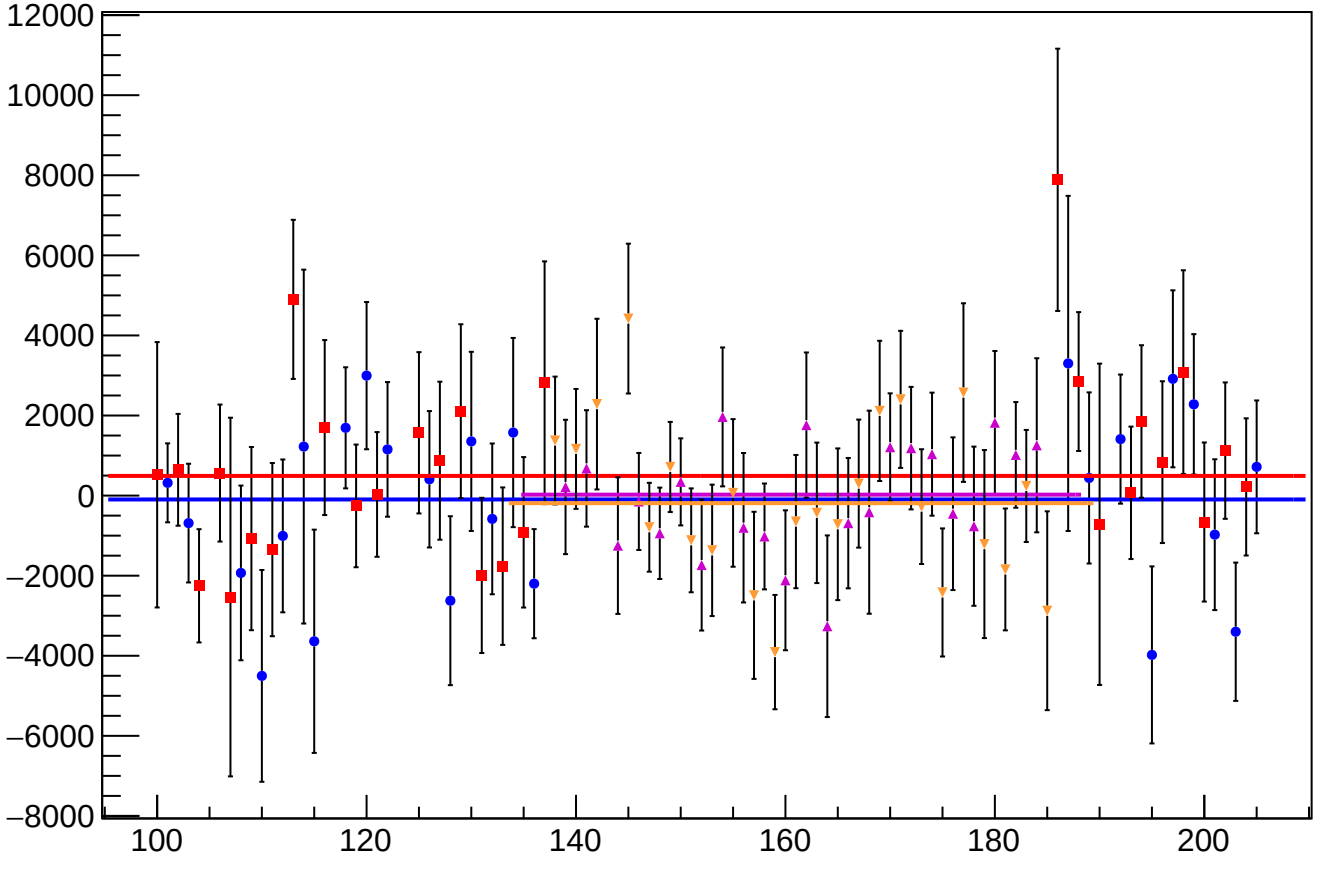
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 777.766+/-0.096 χ^2/NDF: 18176.4/48

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

- sign 781.468+/-0.096 χ^2/NDF: 25709.3/50

asym_us_avg_cor_correction_mean vs Slug



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

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

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

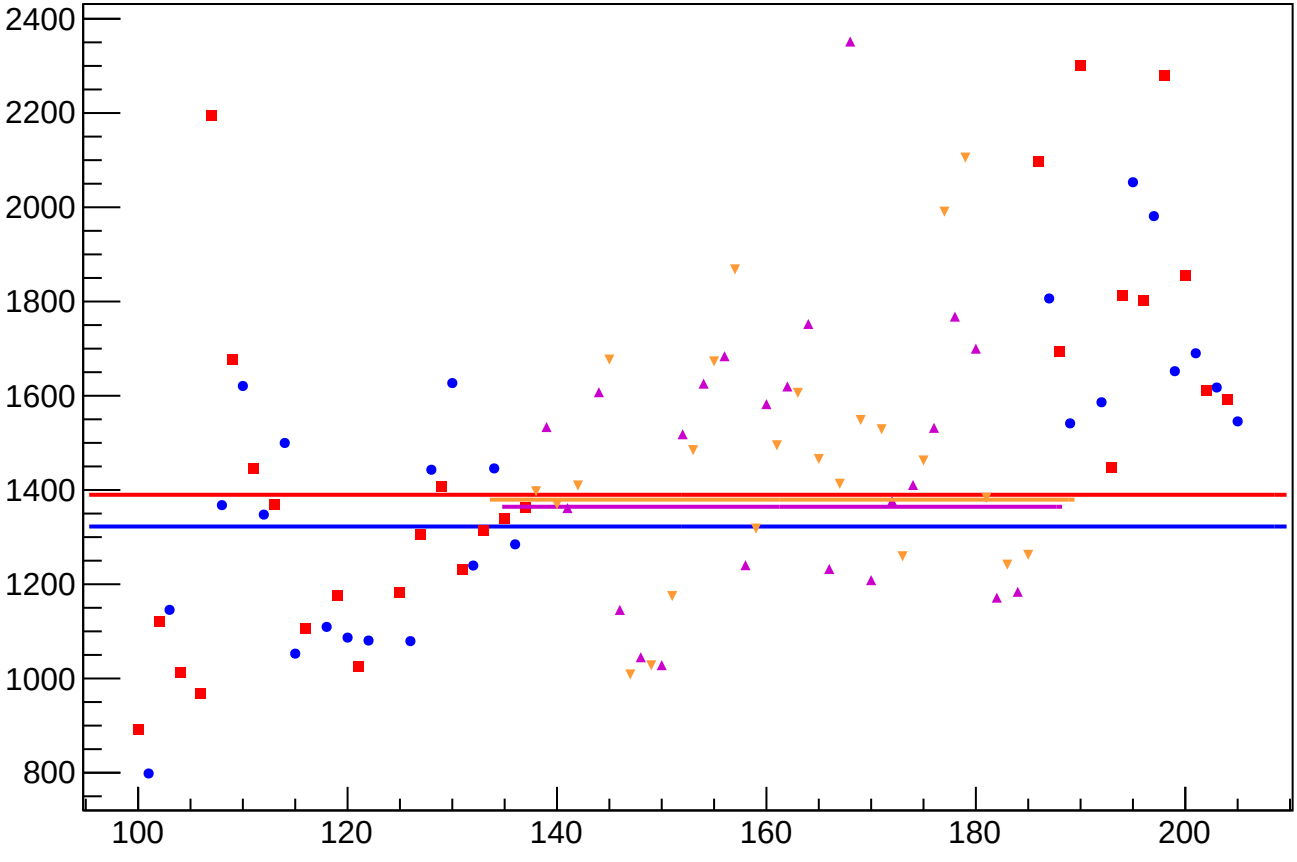
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -147.731+/-243.707 χ^2/NDF: 57.5/48

All: 39.532+/-172.620 χ^2/NDF: 98.2/99

- sign 228.075+/-244.539 χ^2/NDF: 39.5/50

asym_us_avg_cor_correction_rms vs Slug



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

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

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

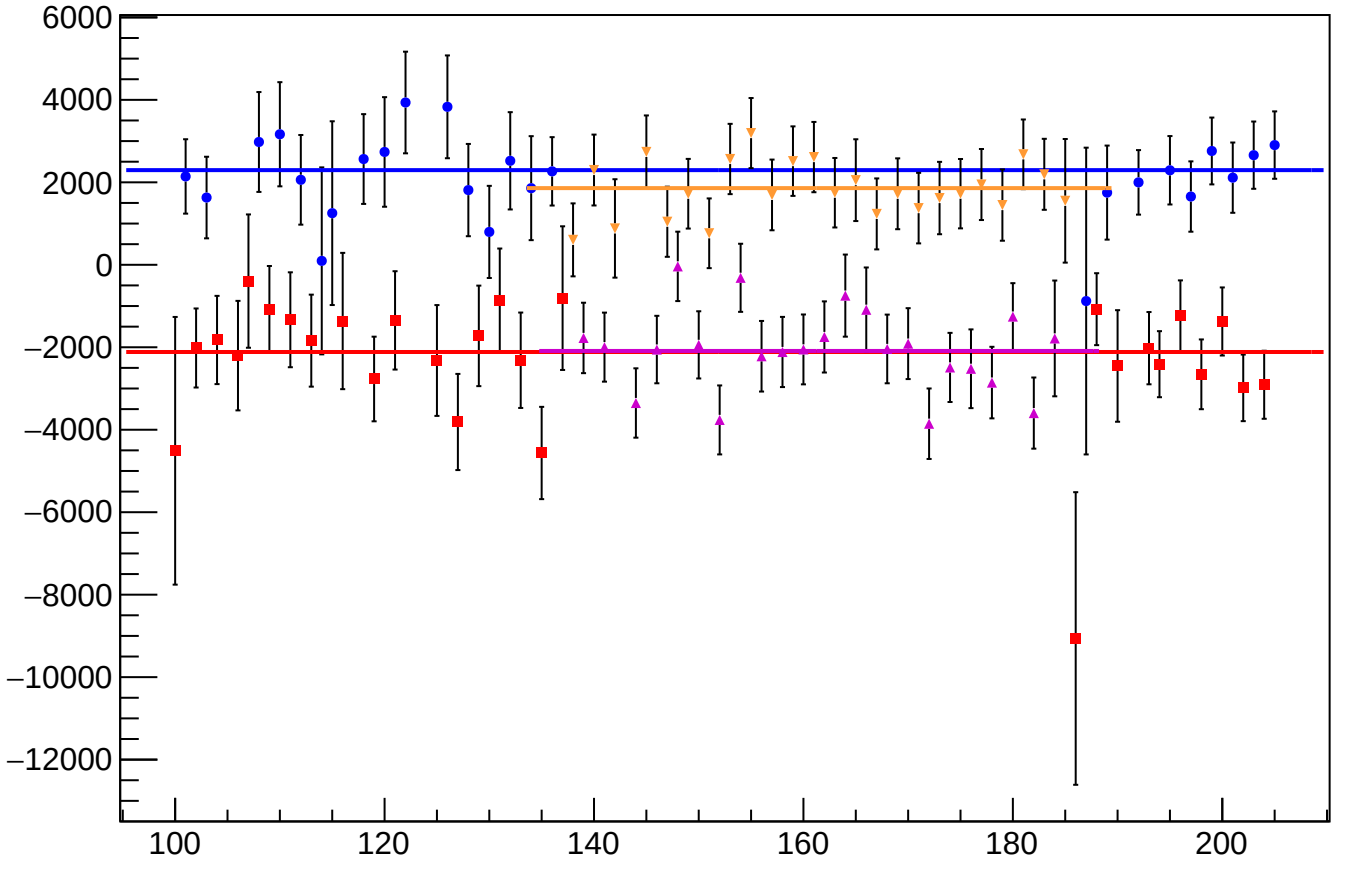
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1354.062+/-0.172 χ^2/NDF: 2775680.7/48

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

- sign 1375.520+/-0.173 χ^2/NDF: 2882831.8/50

overload_cor_asym_us_avg_mean vs Slug



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

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

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

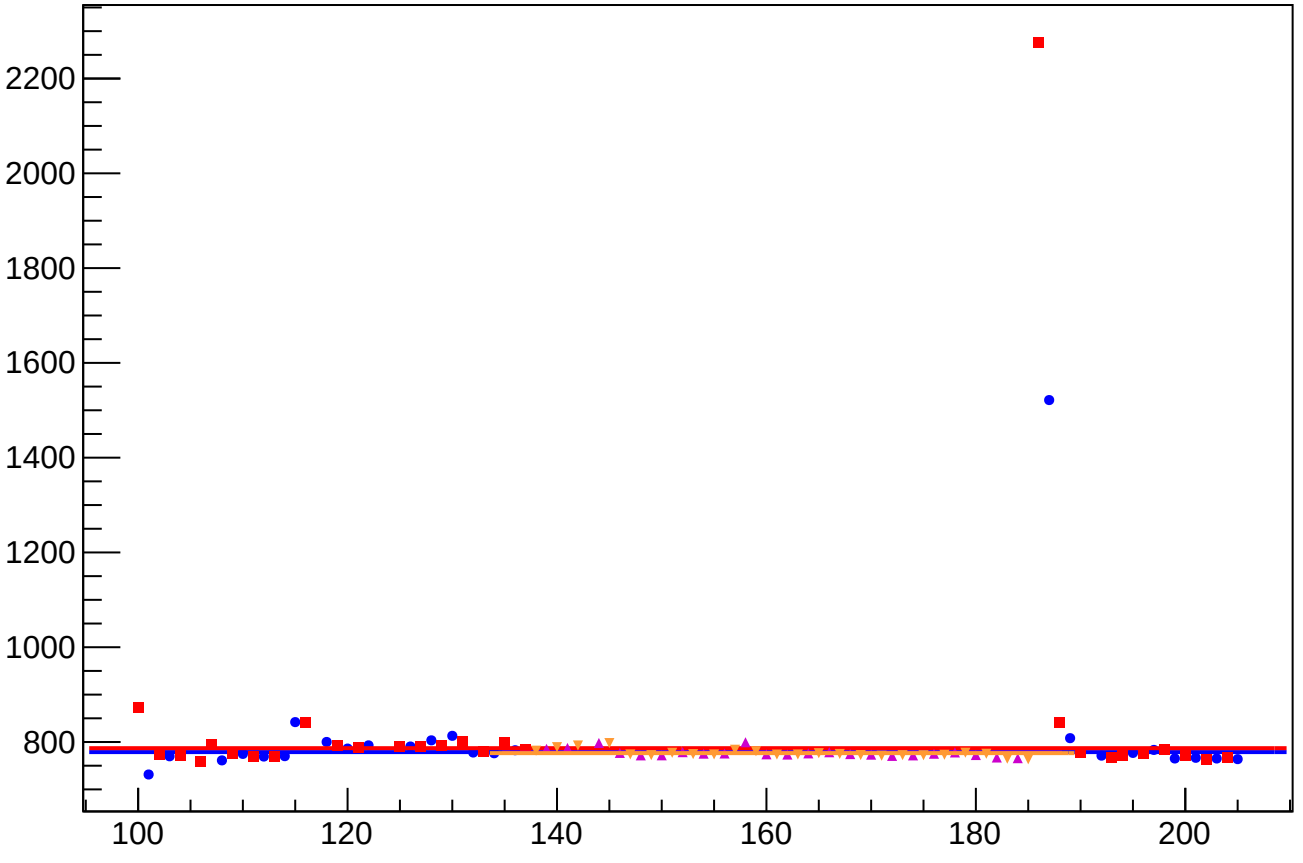
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2046.627+/-136.206 χ^2/NDF: 26.9/48

All: -35.193+/-96.121 χ^2/NDF: 544.6/99

- sign -2100.579+/-135.667 χ^2/NDF: 52.3/50

overload_cor_asym_us_avg_rms vs Slug



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

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

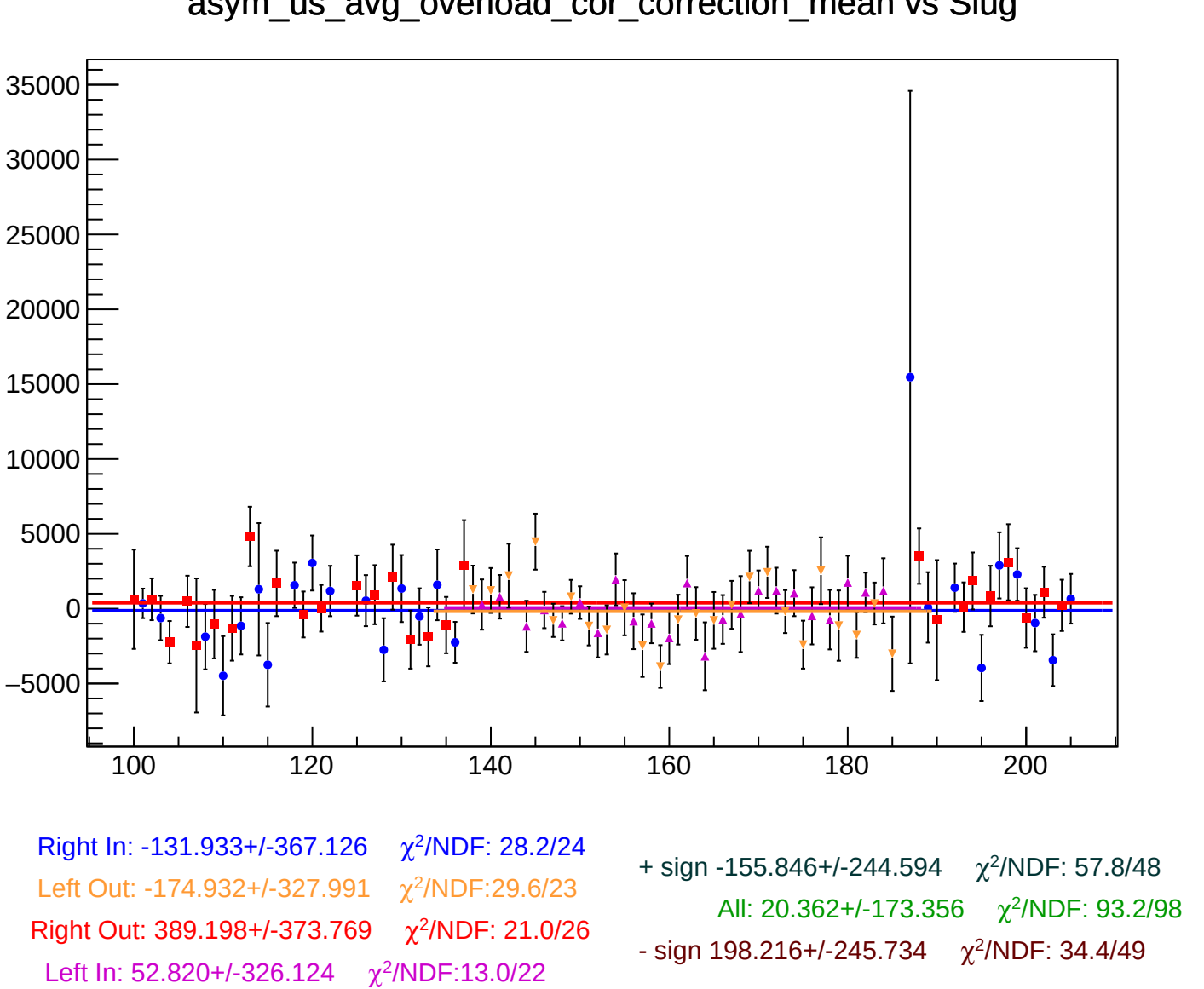
Right Out: 786.973+/-0.144 χ^2/NDF: 372869.6/27

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

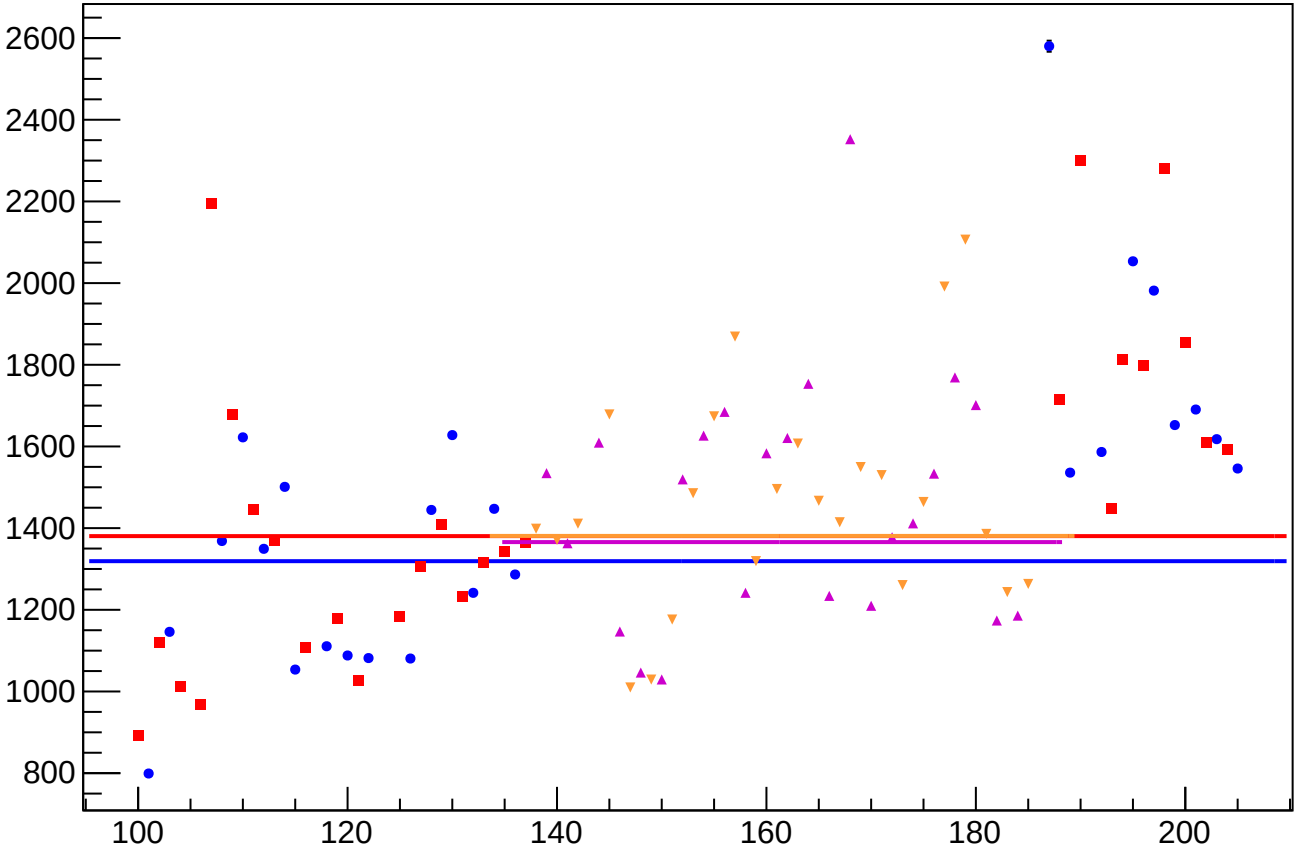
+ sign 777.463+/-0.096 χ^2/NDF: 98851.5/48

All: 779.556+/-0.068 χ^2/NDF: 479173.0/99

- sign 781.633+/-0.096 χ^2/NDF: 379380.6/50


asym_us_avg_overload_cor_correction_mean vs Slug
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -131.933+/-367.126 χ²/NDF: 28.2/24
Left Out: -174.932+/-327.991 χ²/NDF:29.6/23
Right Out: 389.198+/-373.769 χ²/NDF: 21.0/26
Left In: 52.820+/-326.124 χ²/NDF:13.0/22
+ sign -155.846+/-244.594 χ²/NDF: 57.8/48
All: 20.362+/-173.356 χ²/NDF: 93.2/98
- sign 198.216+/-245.734 χ²/NDF: 34.4/49

asym_us_avg_overload_cor_correction_rms vs Slug



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

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

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

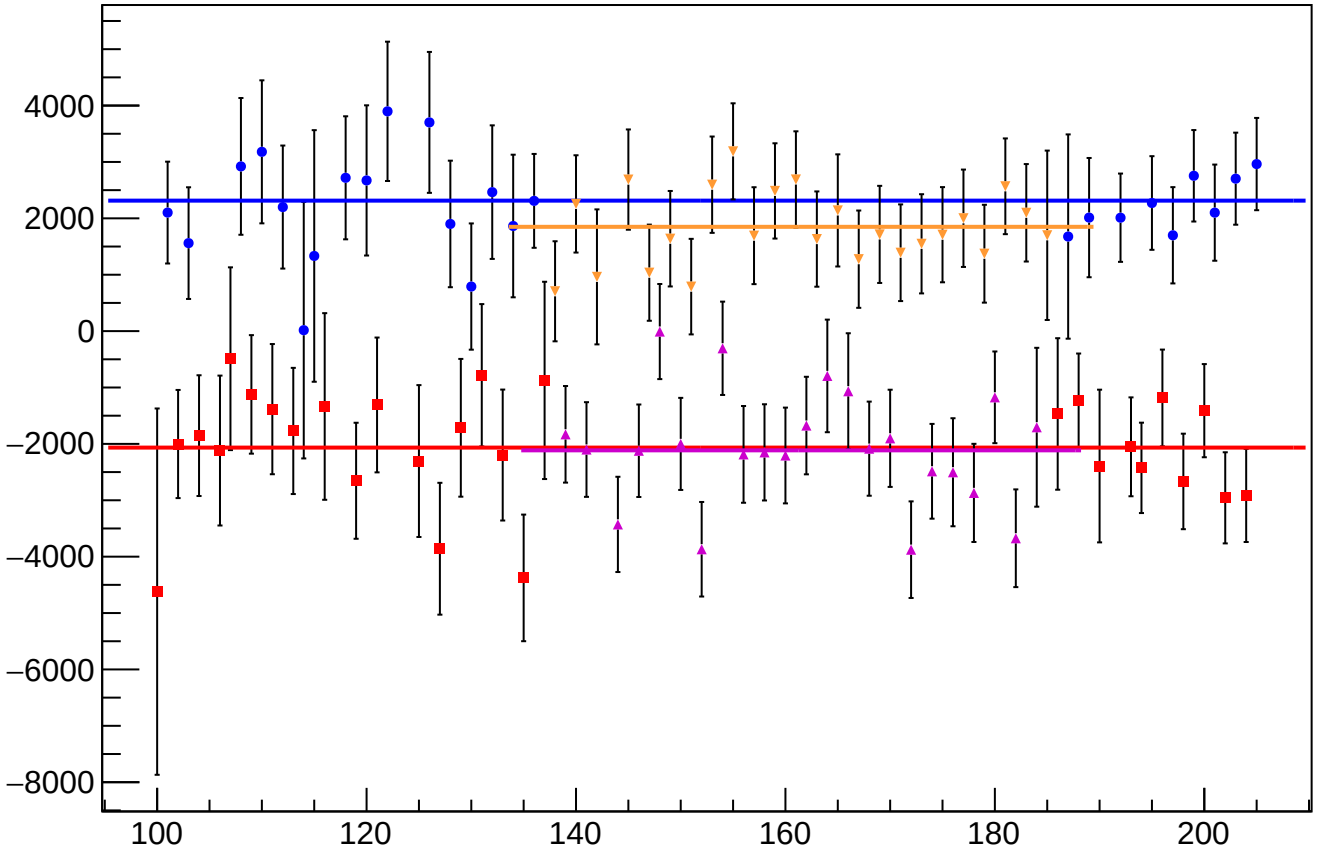
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1353.497+/-0.173 χ^2/NDF: 2750492.4/48

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

- sign 1372.146+/-0.174 χ^2/NDF: 2774931.7/49

eigen_cor_asym_us_avg_mean vs Slug



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

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

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

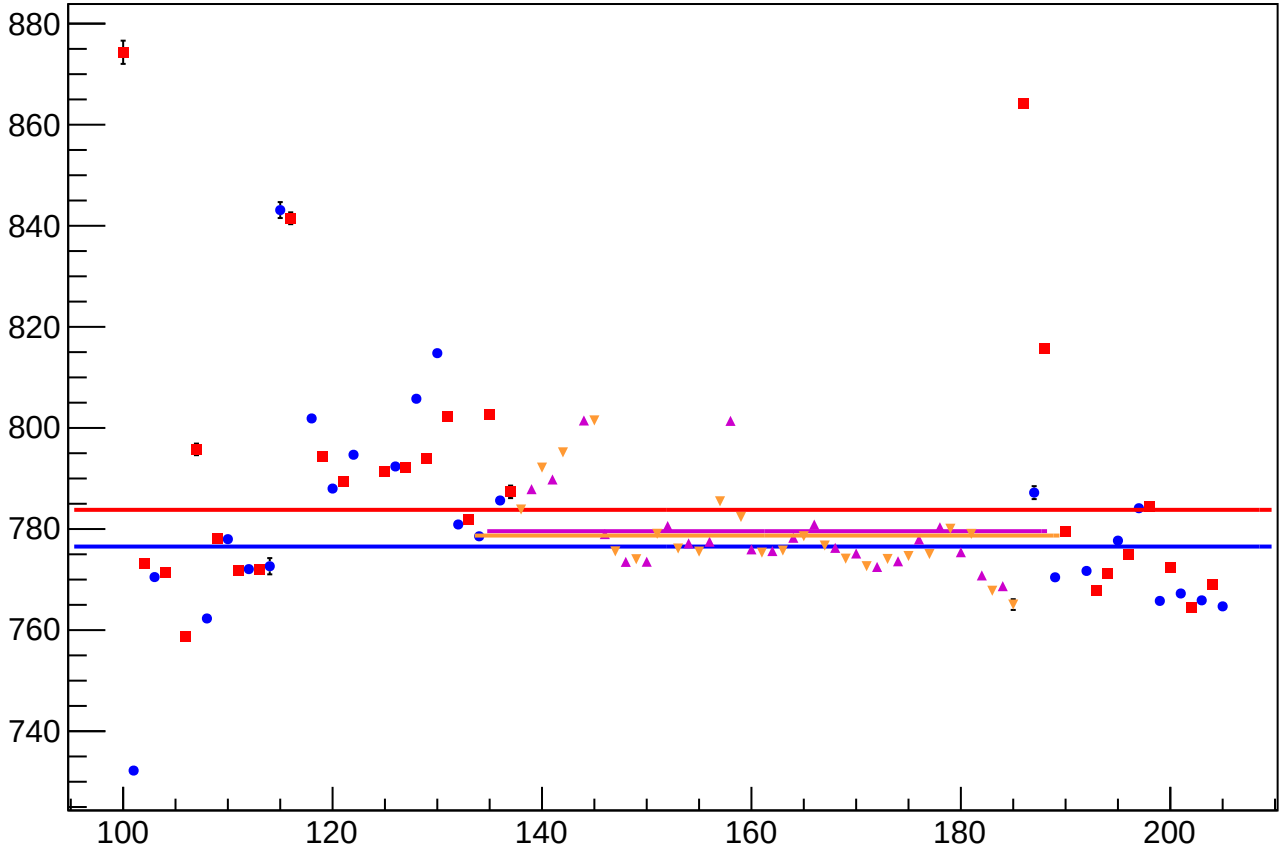
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.773+/-136.071 χ^2/NDF: 25.6/48

All: -34.105+/-95.910 χ^2/NDF: 541.1/99

- sign -2092.604+/-135.207 χ^2/NDF: 49.0/50

eigen_cor_asym_us_avg_rms vs Slug



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

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

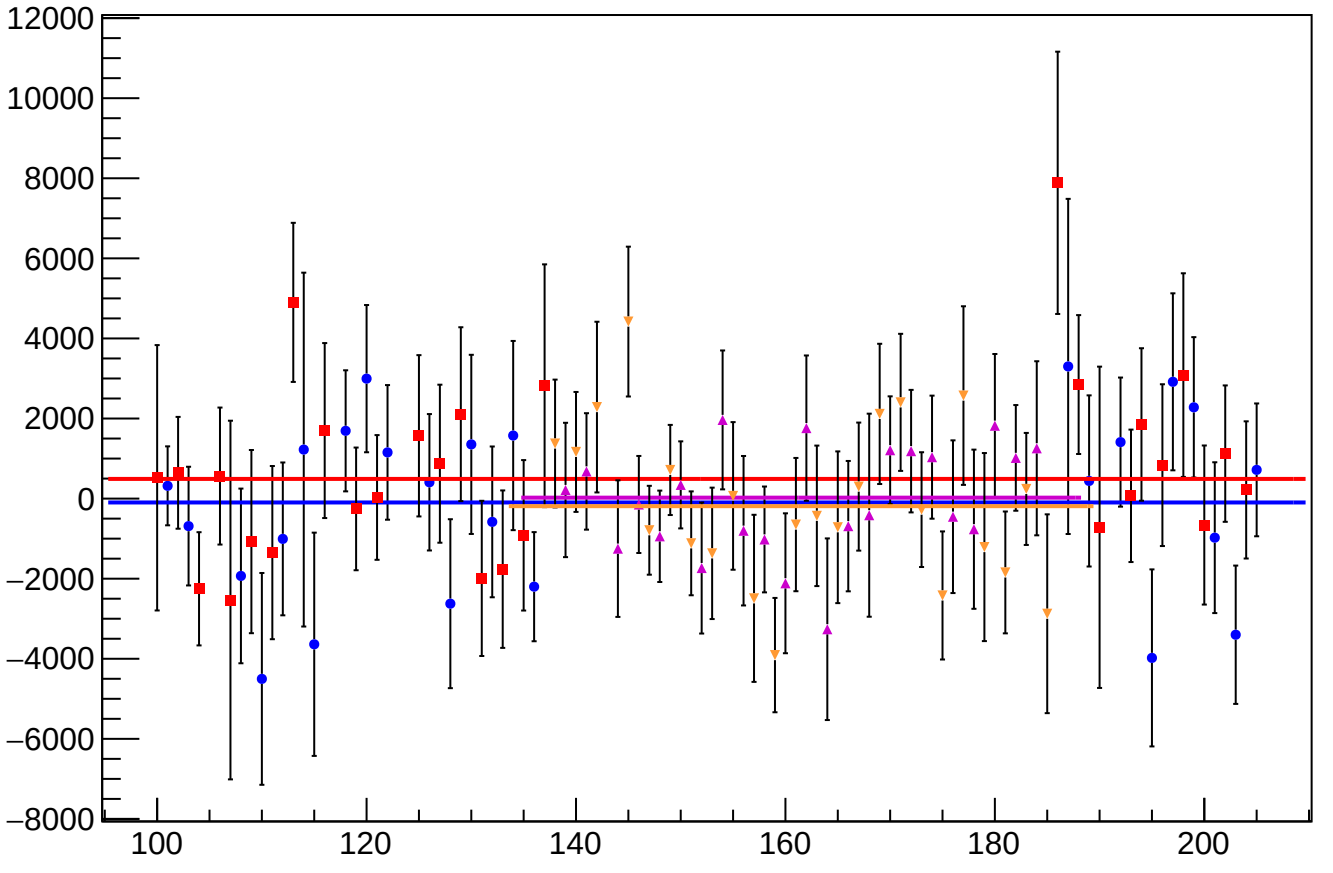
Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

+ sign 777.766+/-0.096 χ^2/NDF: 18176.4/48

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

- sign 781.468+/-0.096 χ^2/NDF: 25709.3/50



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

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

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

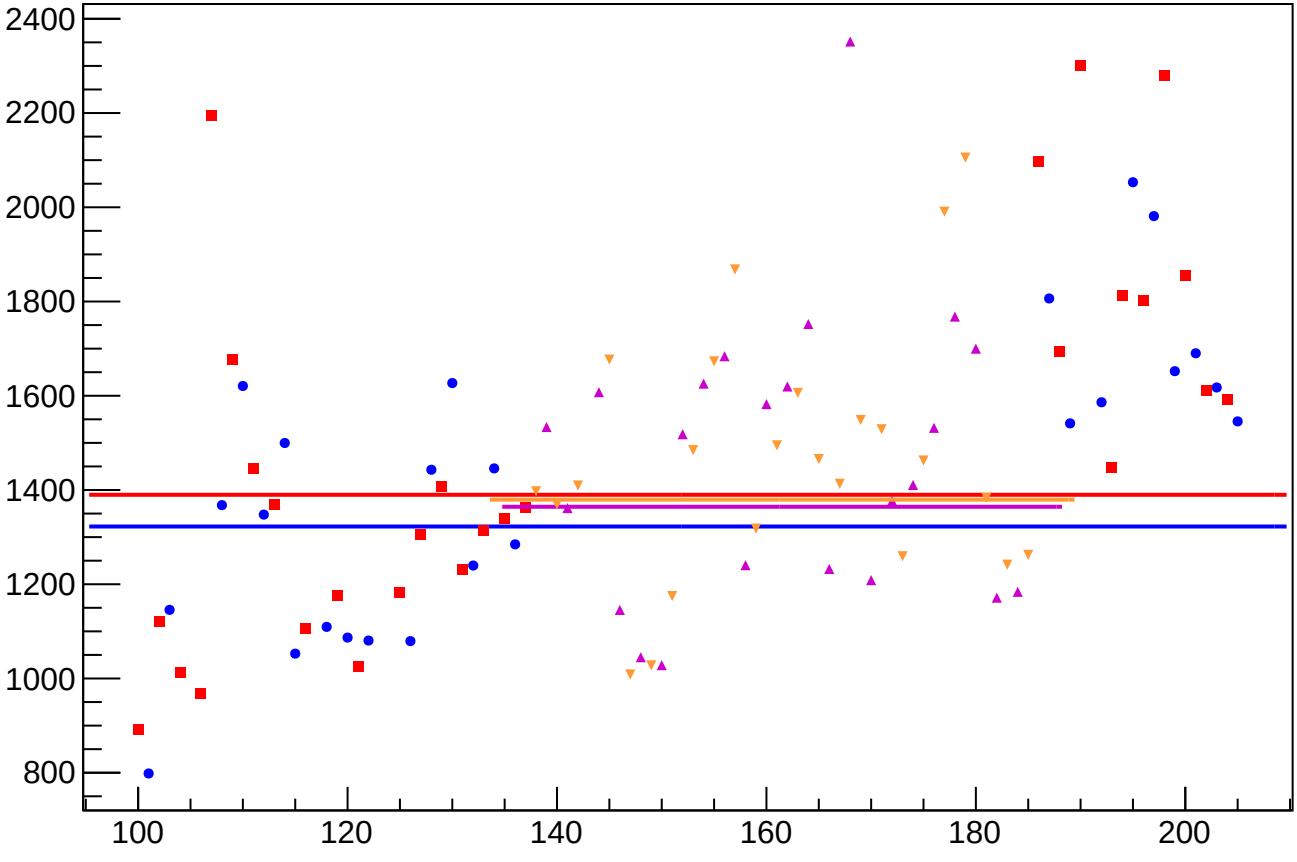
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -147.731+/-243.707 χ^2/NDF: 57.5/48

All: 39.532+/-172.620 χ^2/NDF: 98.2/99

\- sign 228.075+/-244.539 χ^2/NDF: 39.5/50

asym_us_avg_eigen_cor_correction_rms vs Slug



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

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

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

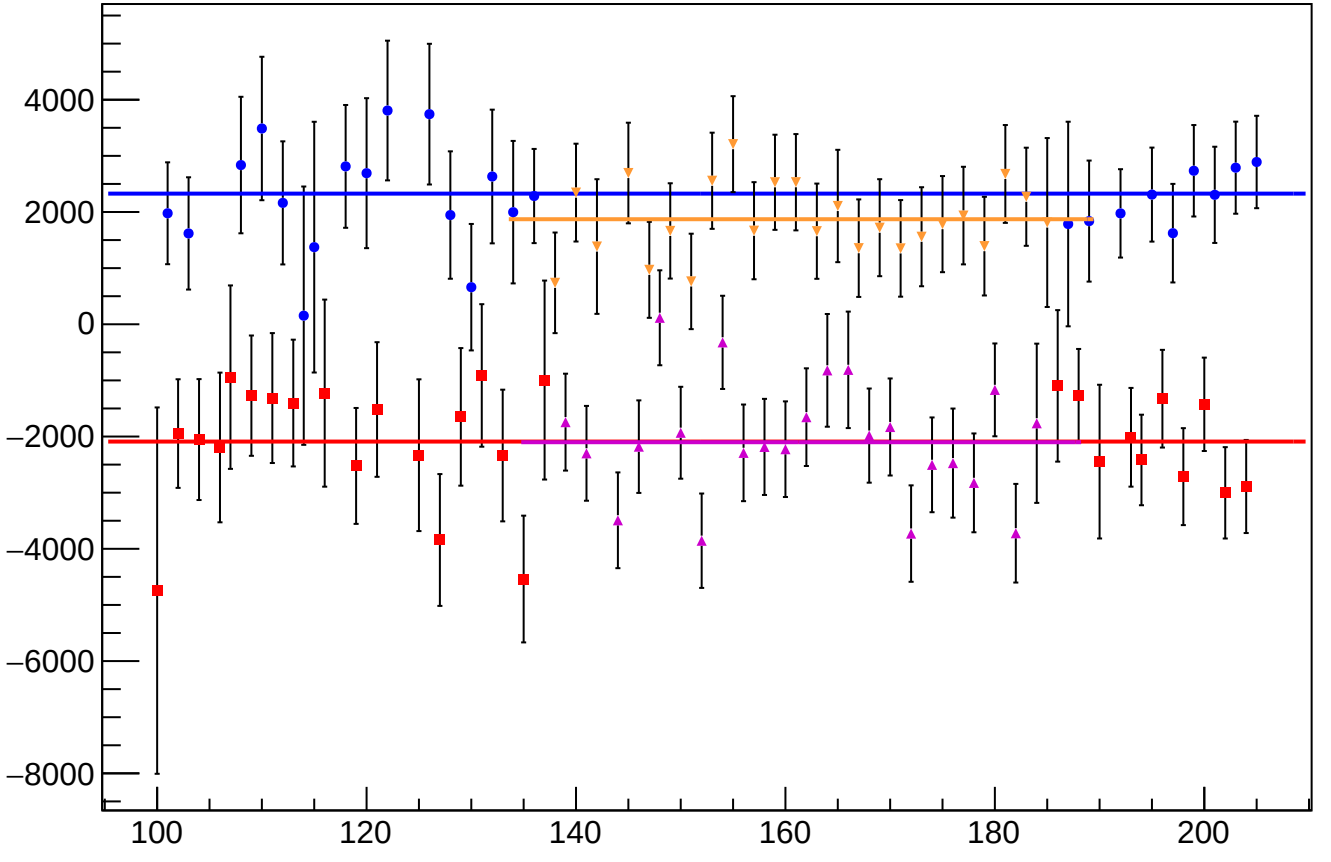
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1354.062+/-0.172 χ^2/NDF: 2775680.7/48

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

- sign 1375.520+/-0.173 χ^2/NDF: 2882831.8/50

dit_asym_us_avg_mean vs Slug



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

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

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

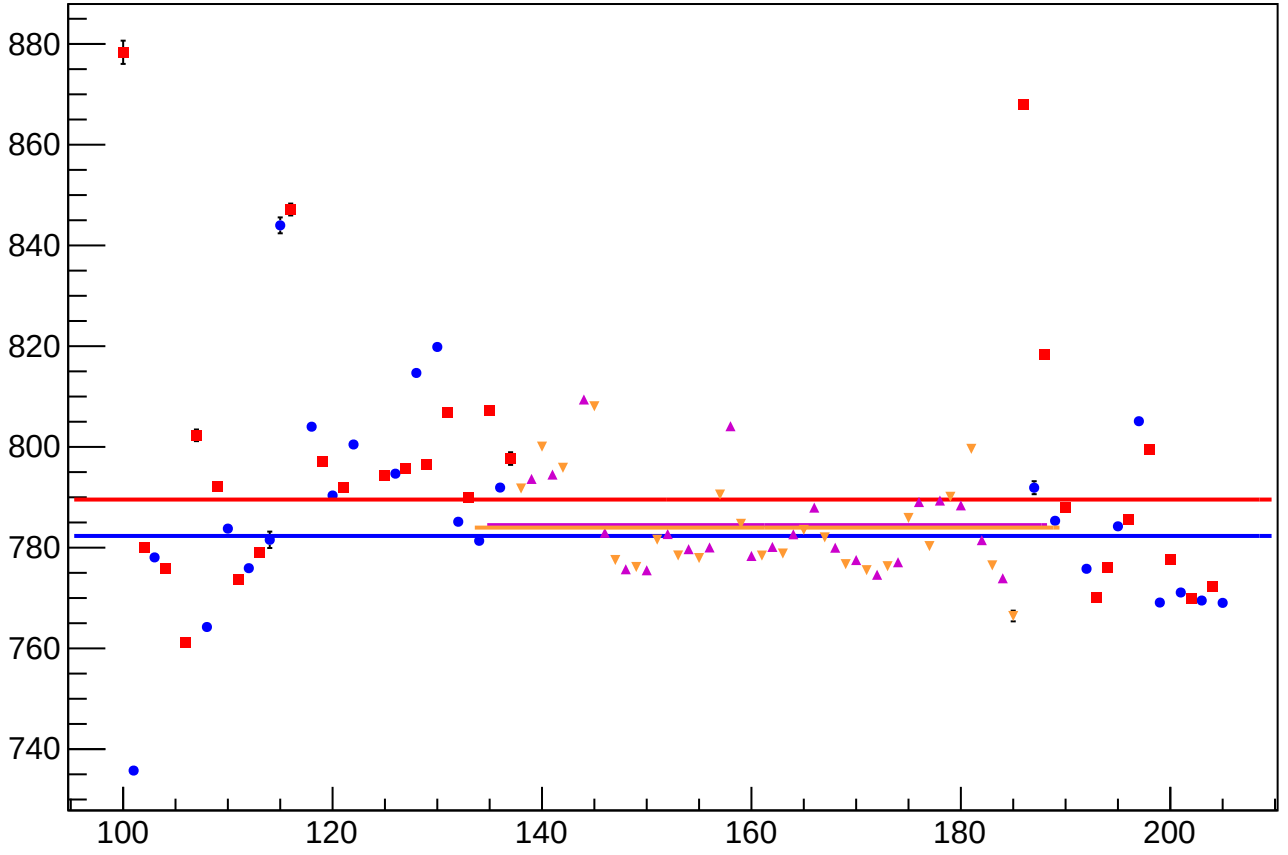
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2068.821+/-137.048 χ^2/NDF: 25.5/48

All: -27.523+/-96.581 χ^2/NDF: 539.6/99

- sign -2095.871+/-136.130 χ^2/NDF: 49.2/50

dit_asym_us_avg_rms vs Slug



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

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

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

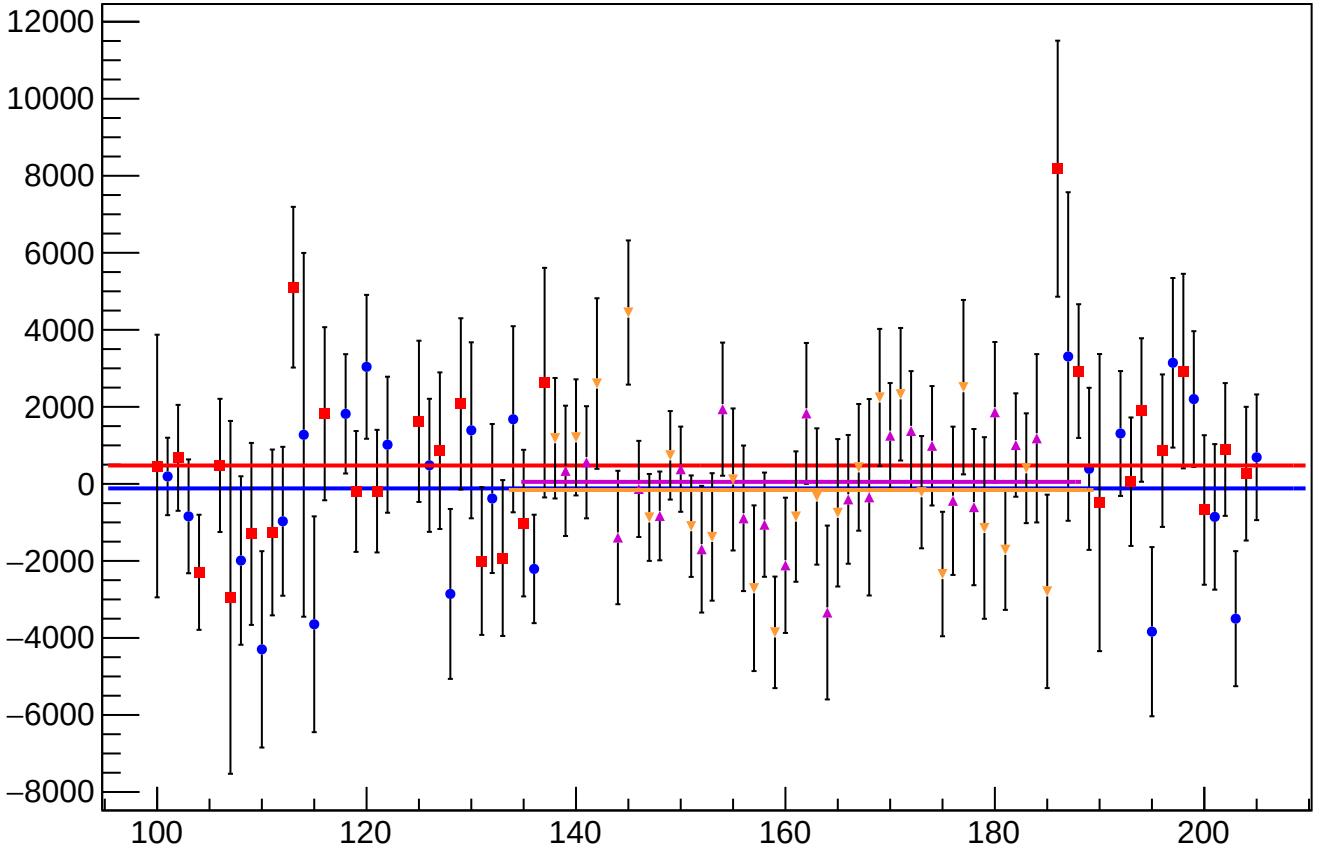
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 783.265+/-0.097 χ^2/NDF: 21387.9/48

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

- sign 786.746+/-0.096 χ^2/NDF: 26180.0/50

asym_us_avg_dit_correction_mean vs Slug



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

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

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

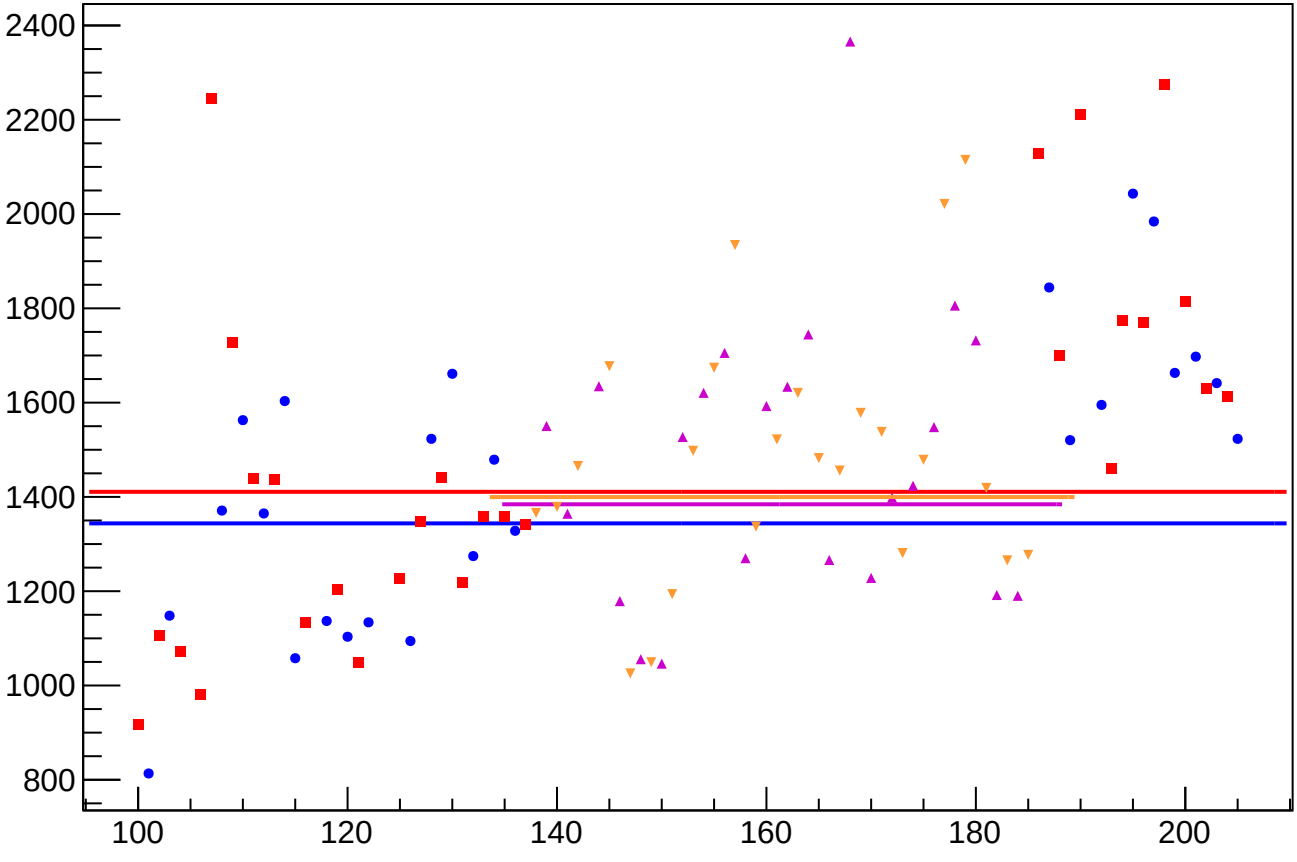
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -140.524+/-247.025 χ^2/NDF: 56.8/48

All: 48.302+/-174.909 χ^2/NDF: 97.6/99

- sign 238.152+/-247.694 χ^2/NDF: 39.6/50

asym_us_avg_dit_correction_rms vs Slug



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

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

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

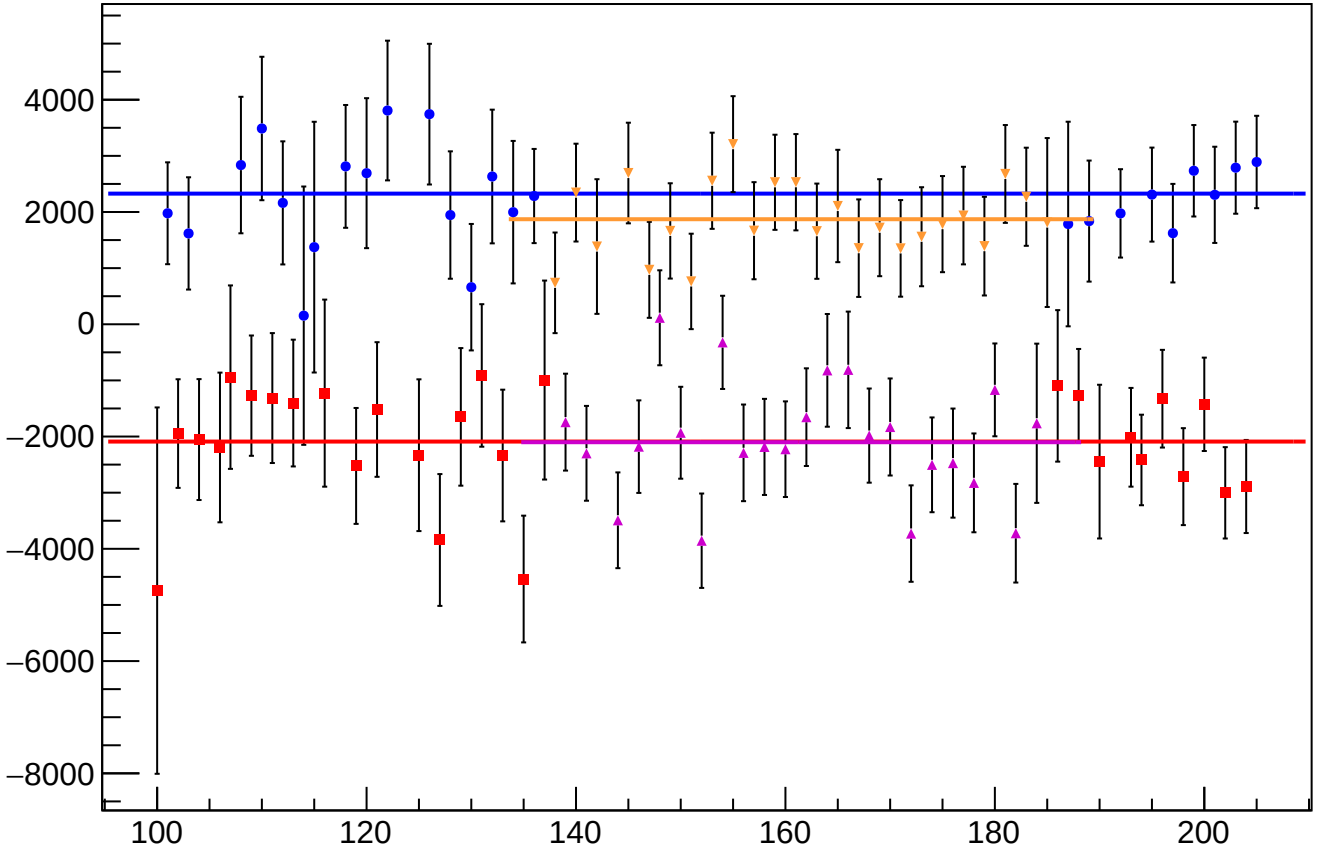
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1374.745+/-0.175 χ^2/NDF: 2674228.8/48

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

- sign 1395.912+/-0.175 χ^2/NDF: 2713618.0/50

eigen_dit_asym_us_avg_mean vs Slug



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

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

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

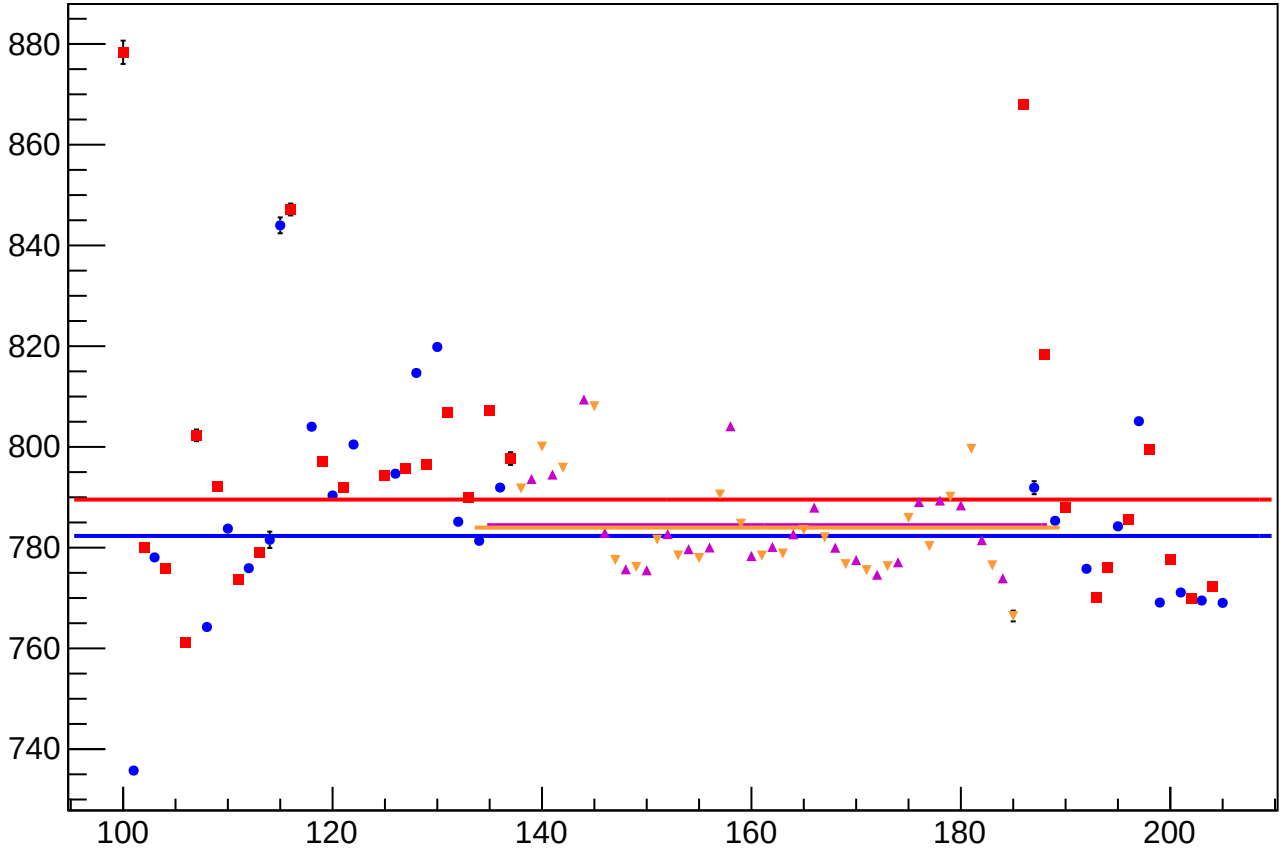
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2068.819+/-137.048 χ^2/NDF: 25.5/48

All: -27.524+/-96.581 χ^2/NDF: 539.6/99

- sign -2095.870+/-136.130 χ^2/NDF: 49.2/50

eigen_dit_asym_us_avg_rms vs Slug



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

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

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

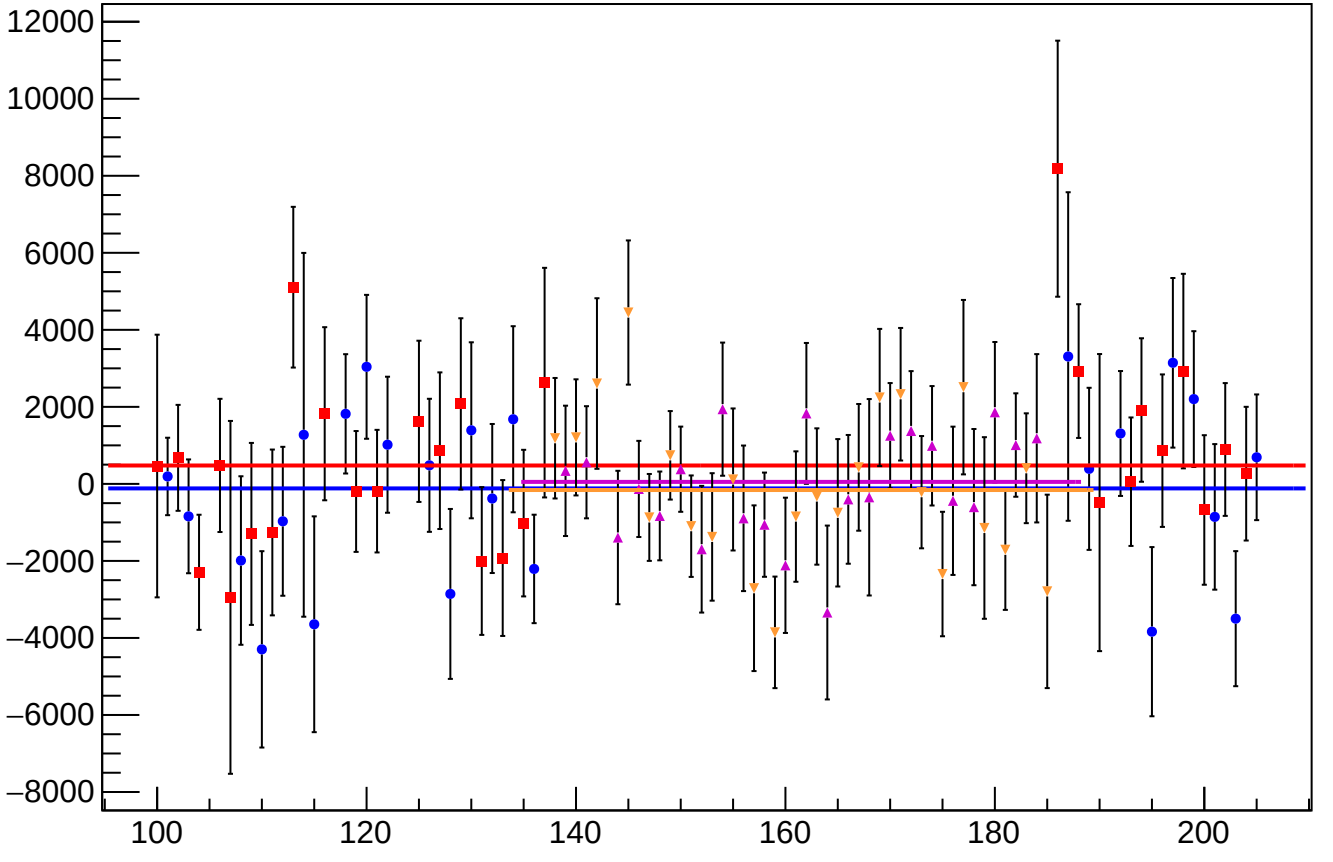
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 783.265+/-0.097 χ^2/NDF: 21387.8/48

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

- sign 786.746+/-0.096 χ^2/NDF: 26179.9/50

asym_us_avg_eigen_dit_correction_mean vs Slug



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

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

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

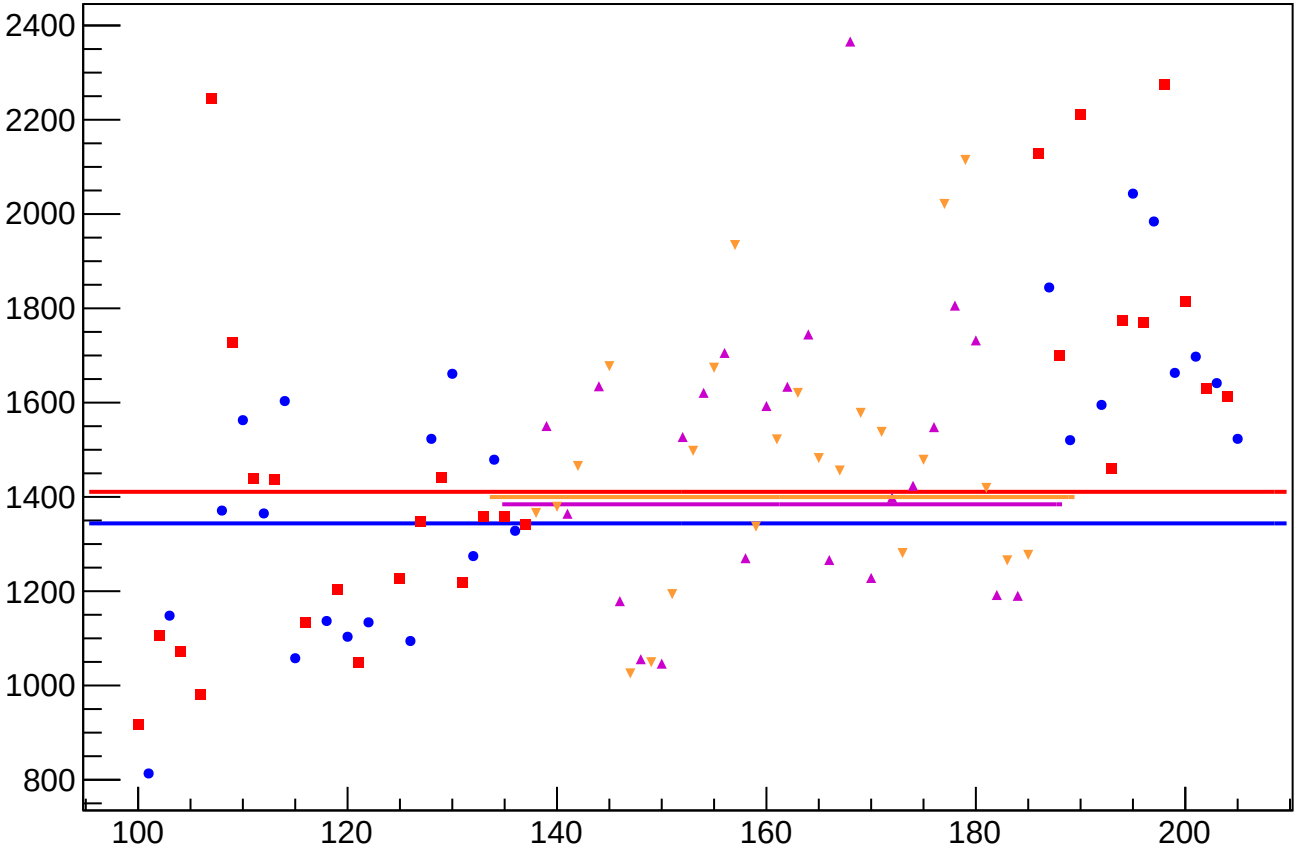
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -140.525+/-247.025 χ^2/NDF: 56.8/48

All: 48.301+/-174.909 χ^2/NDF: 97.6/99

- sign 238.152+/-247.695 χ^2/NDF: 39.6/50

asym_us_avg_eigen_dit_correction_rms vs Slug



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

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

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

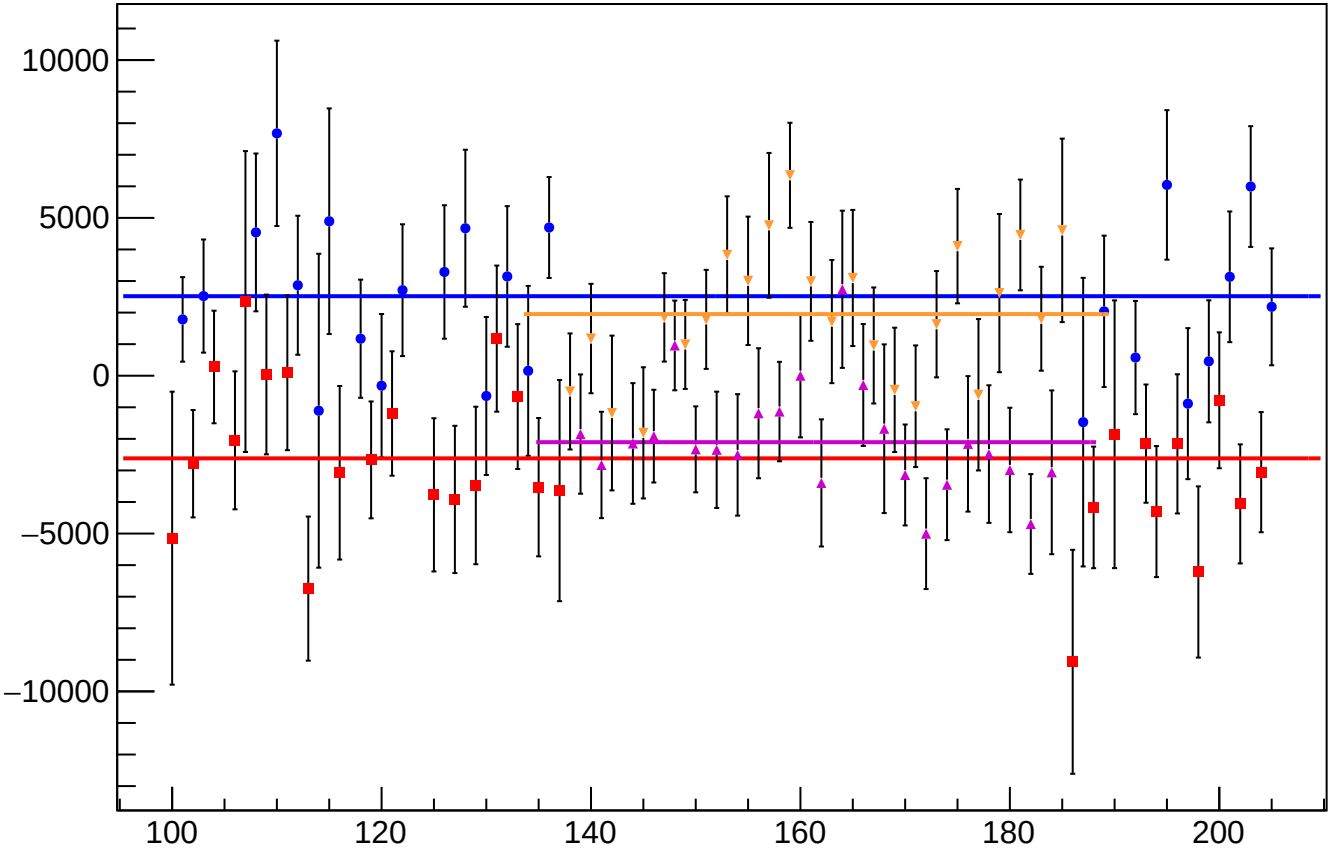
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1374.746+/-0.175 χ^2/NDF: 2674249.7/48

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

- sign 1395.912+/-0.175 χ^2/NDF: 2713633.8/50

asym_us_avg_mean vs Slug



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

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

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

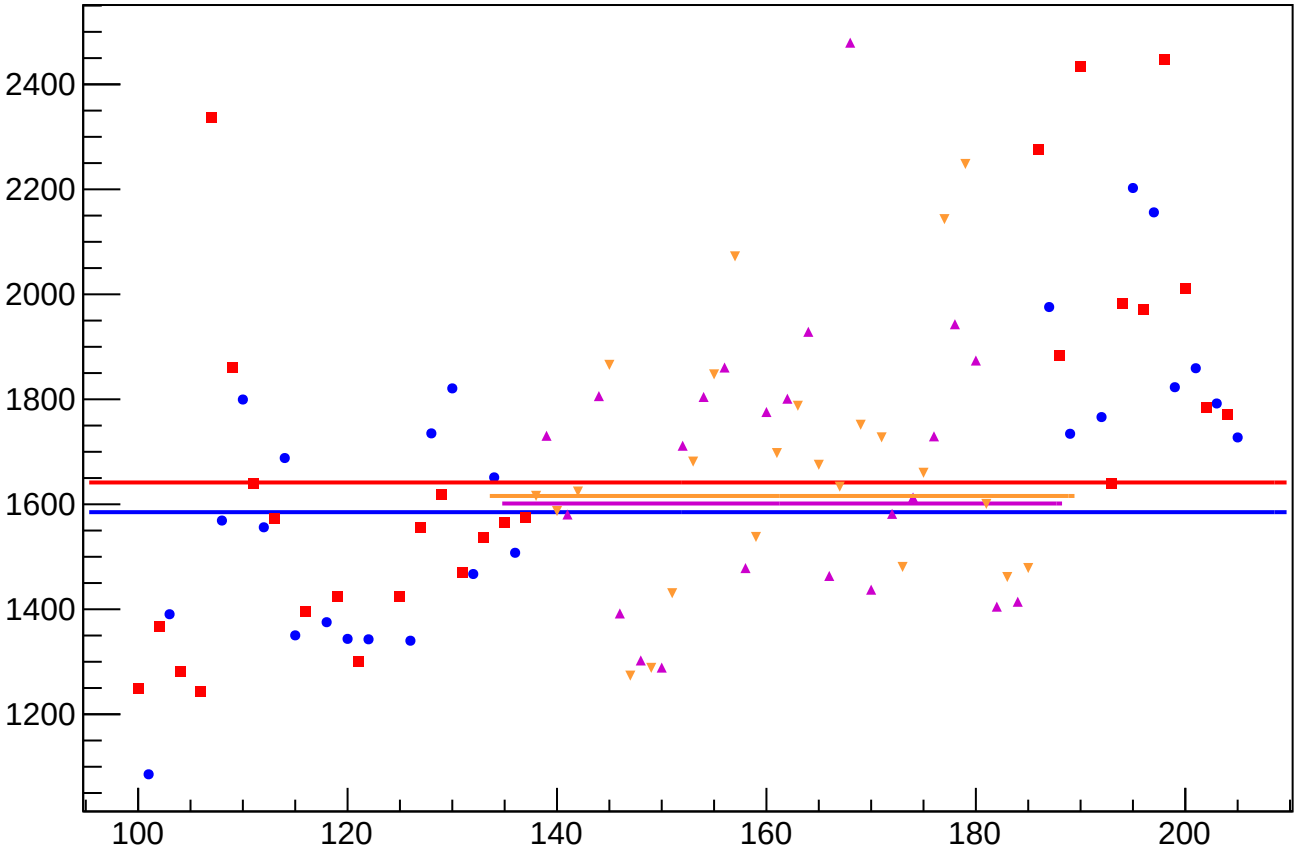
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2201.148+/-284.887 χ^2/NDF: 51.4/48

All: -64.829+/-201.398 χ^2/NDF: 219.7/99

- sign -2328.687+/-284.754 χ^2/NDF: 41.8/50

asym_us_avg_rms vs Slug



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

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

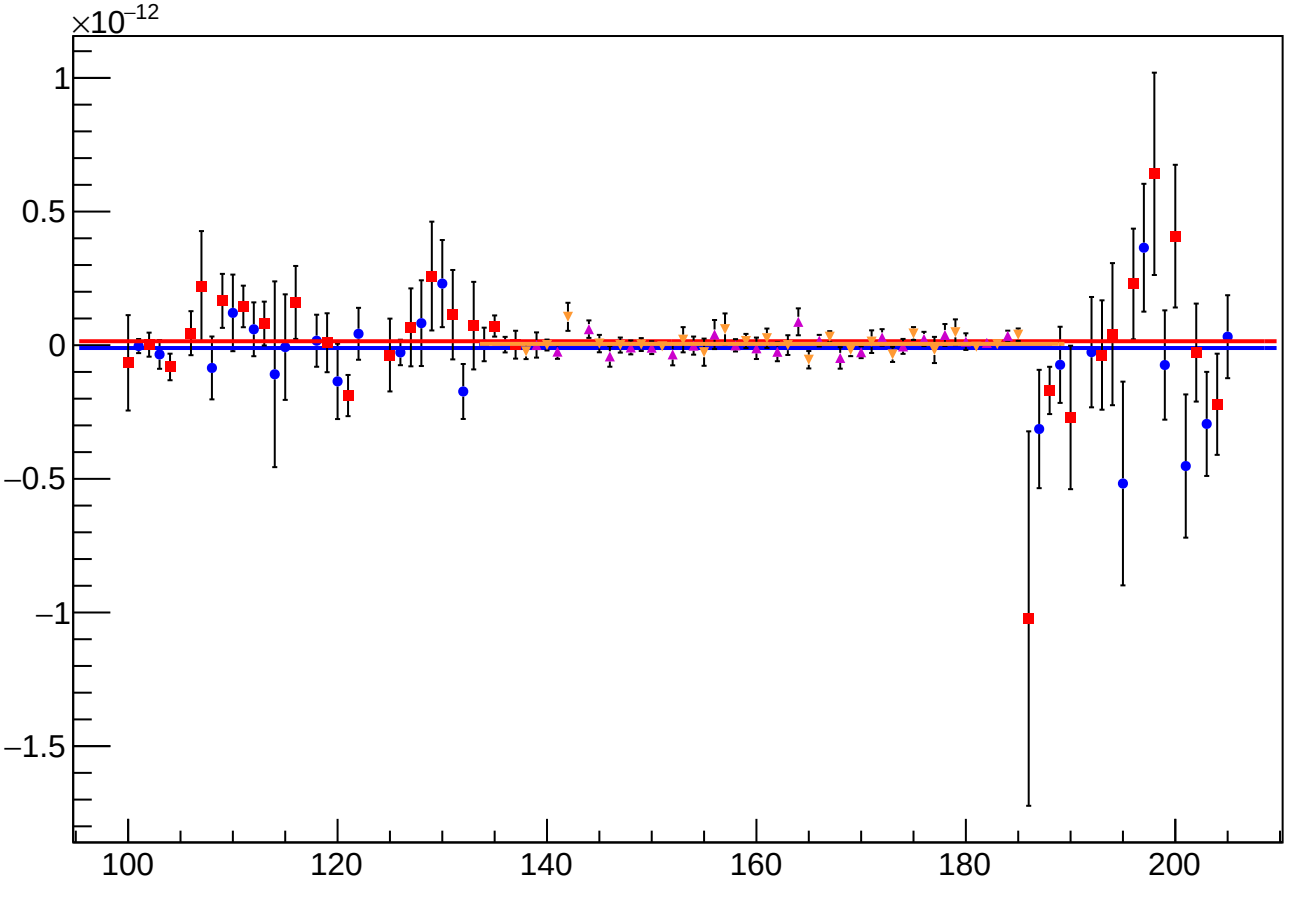
Right Out: 1641.571+/-0.305 χ^2/NDF: 932779.5/27

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

+ sign 1602.318+/-0.201 χ^2/NDF: 1553670.9/48

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

- sign 1618.955+/-0.201 χ^2/NDF: 1736241.1/50



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

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

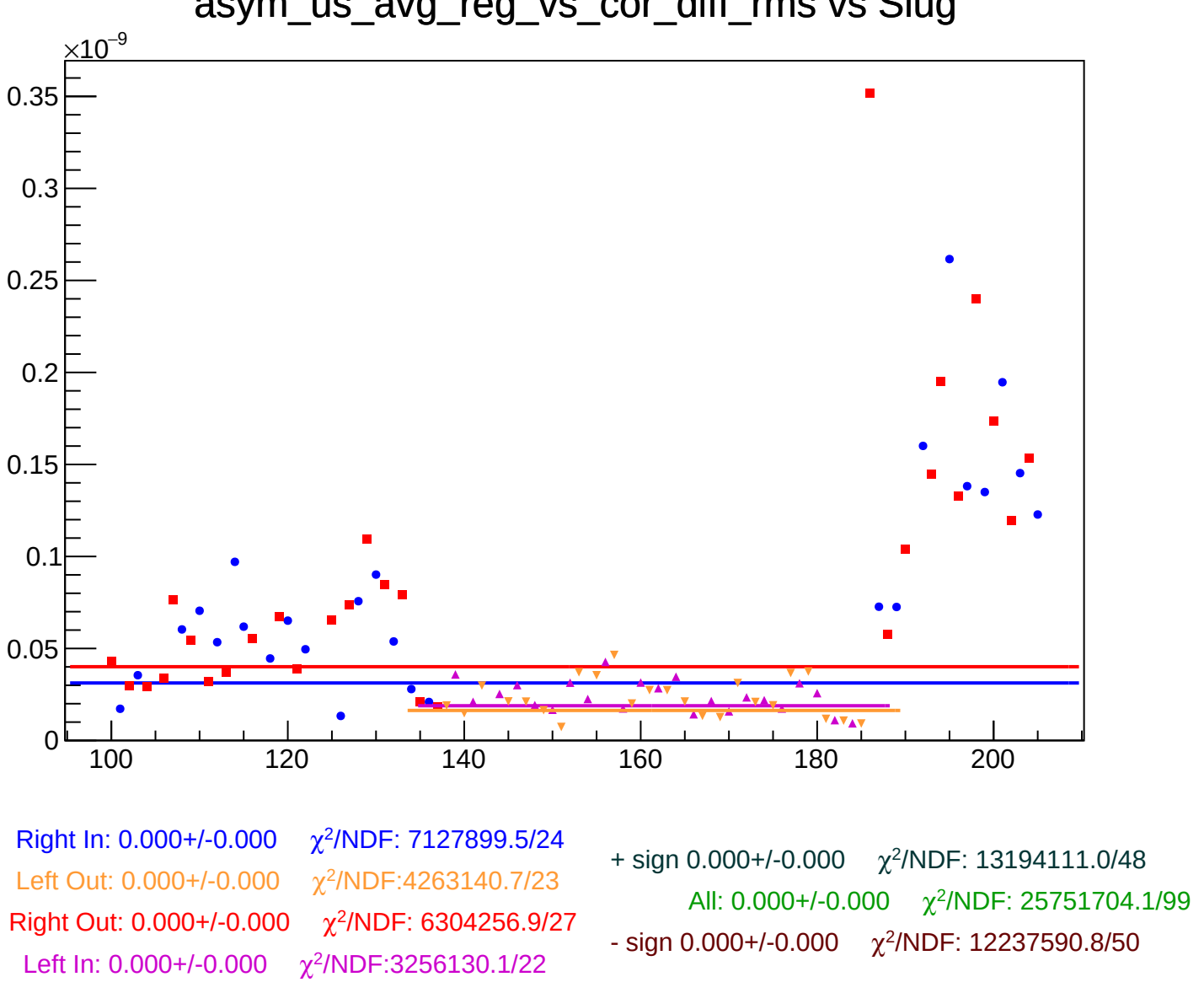
Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/27

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

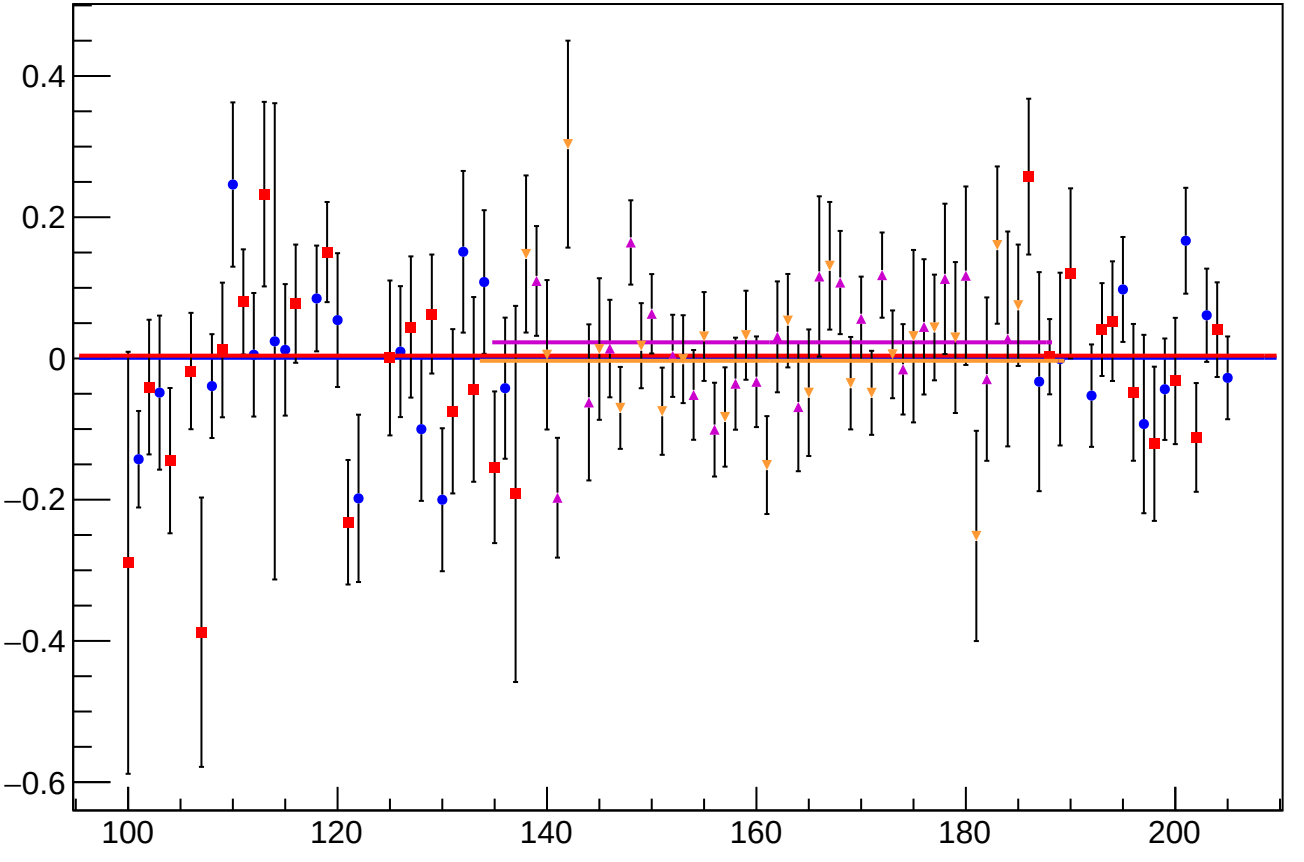
+ sign 0.000+/-0.000 χ^2/NDF: 41.9/48

All: 0.000+/-0.000 χ^2/NDF: 100.3/99

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50


asym_us_avg_reg_vs_cor_diff_rms vs Slug
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7127899.5/24
Left Out: 0.000+/-0.000 χ²/NDF:4263140.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 6304256.9/27
Left In: 0.000+/-0.000 χ²/NDF:3256130.1/22
+ sign 0.000+/-0.000 χ²/NDF: 13194111.0/48
All: 0.000+/-0.000 χ²/NDF: 25751704.1/99
- sign 0.000+/-0.000 χ²/NDF: 12237590.8/50

asym_us_avg_dit_vs_cor_diff_mean vs Slug



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

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

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

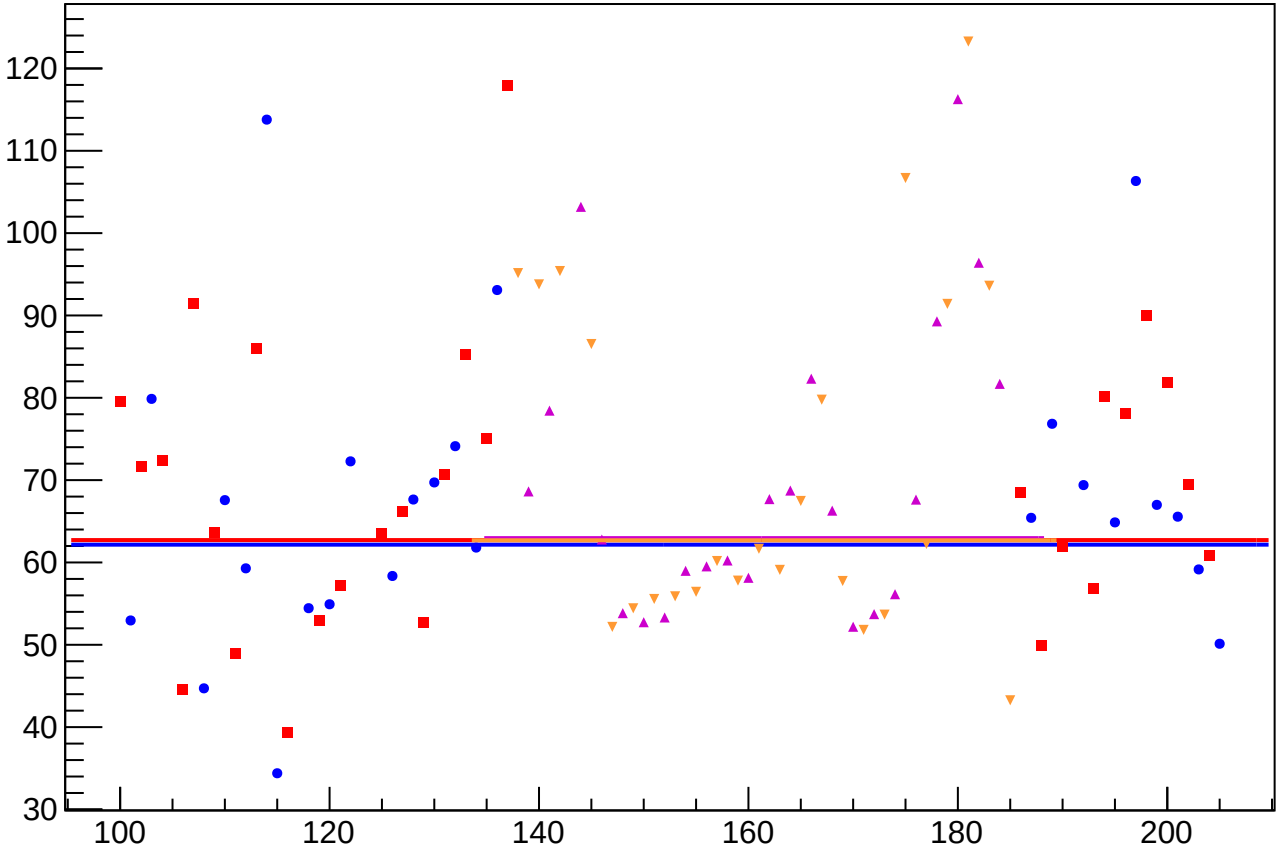
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.007+/-0.008 χ^2/NDF: 126.4/99

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50

asym_us_avg_dit_vs_cor_diff_rms vs Slug



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

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

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

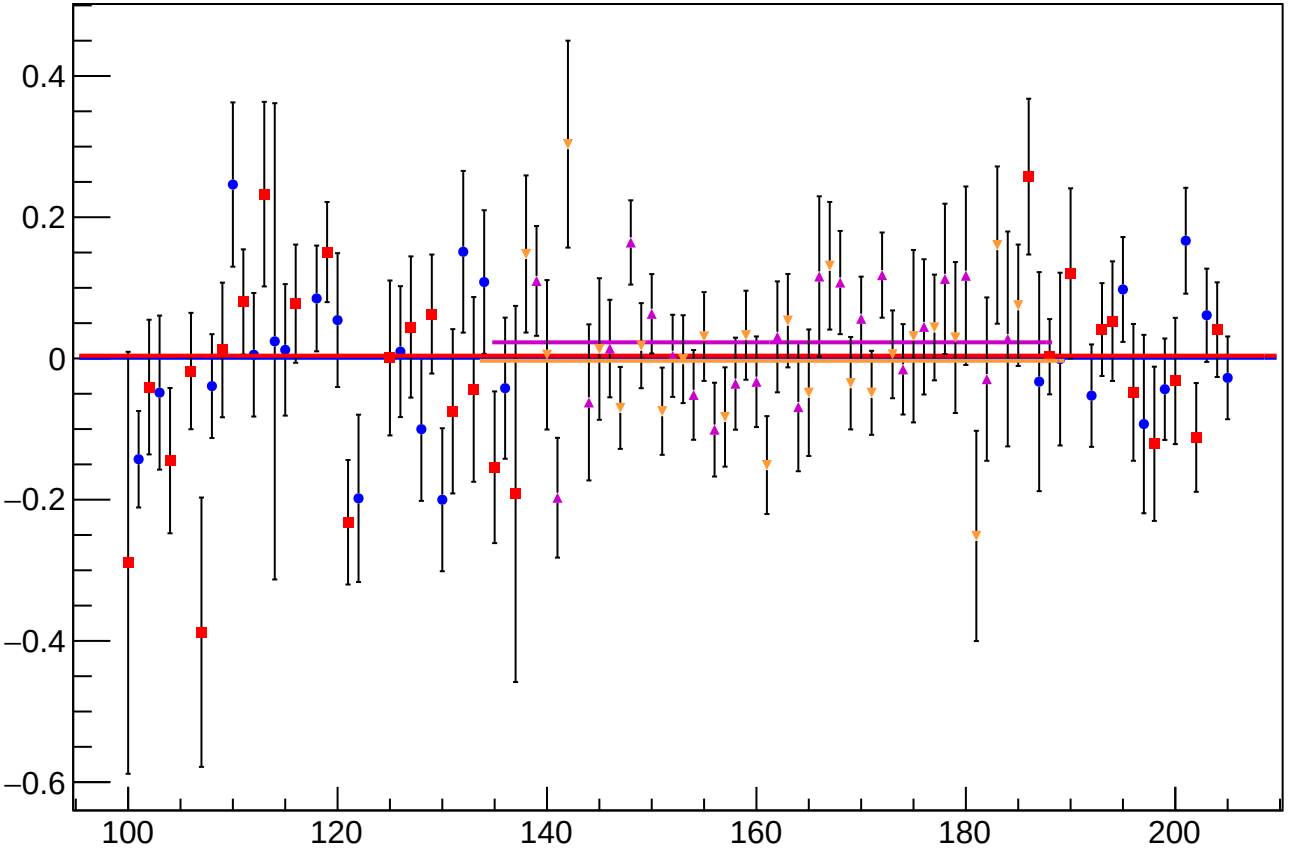
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.463+/-0.008 χ^2/NDF: 3052928.8/48

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

- sign 62.850+/-0.008 χ^2/NDF: 2666287.1/50

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug



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

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

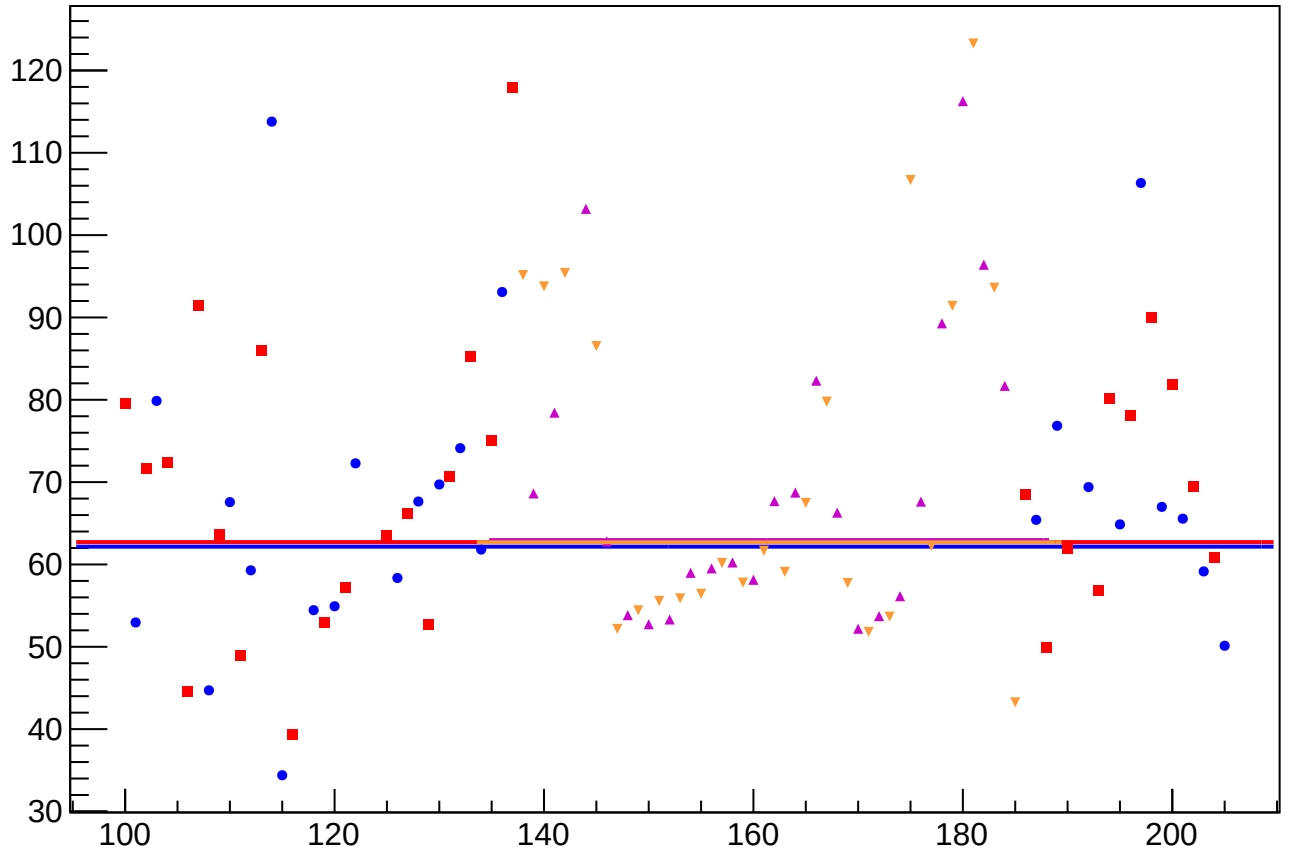
Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

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

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.007+/-0.008 χ^2/NDF: 126.4/99

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50



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

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

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

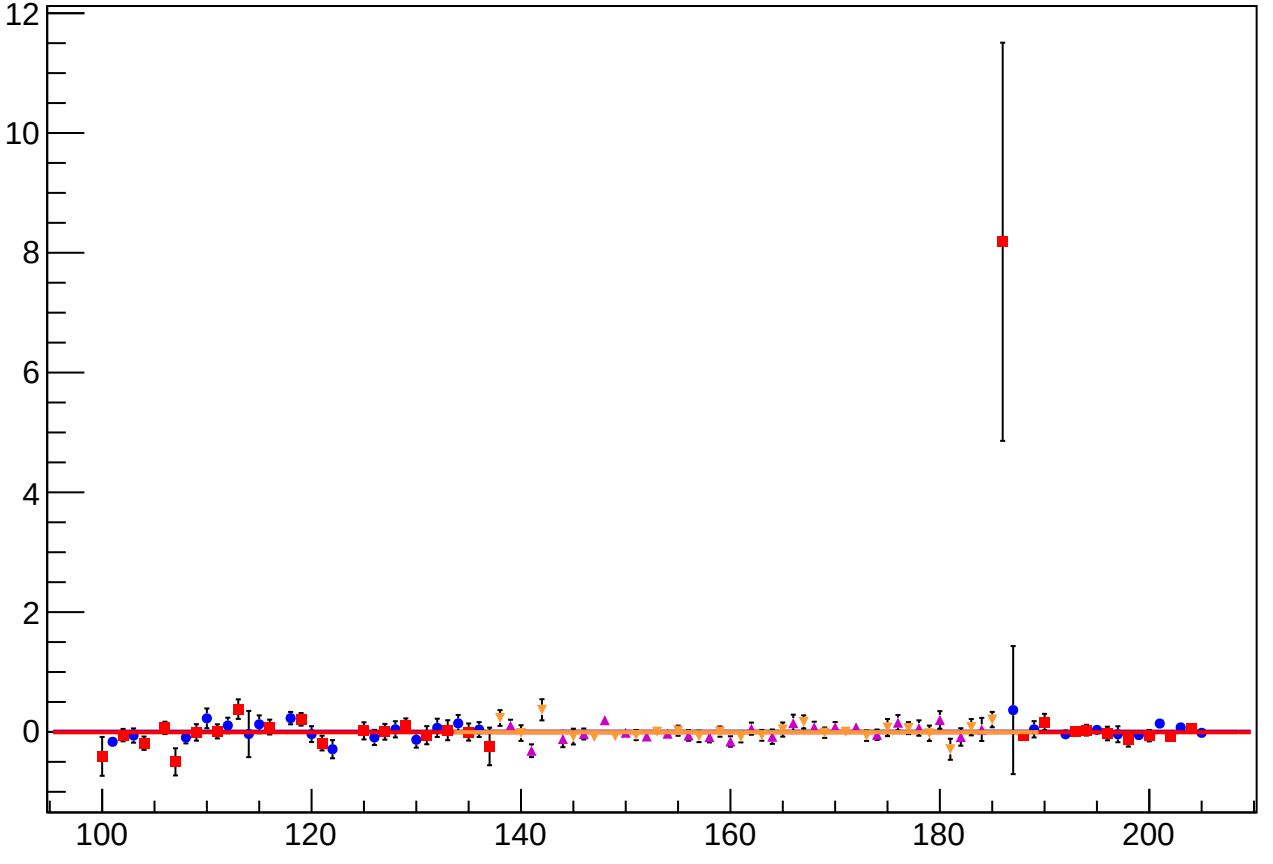
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.463+/-0.008 χ^2/NDF: 3052928.8/48

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

- sign 62.850+/-0.008 χ^2/NDF: 2666287.1/50

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



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

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

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

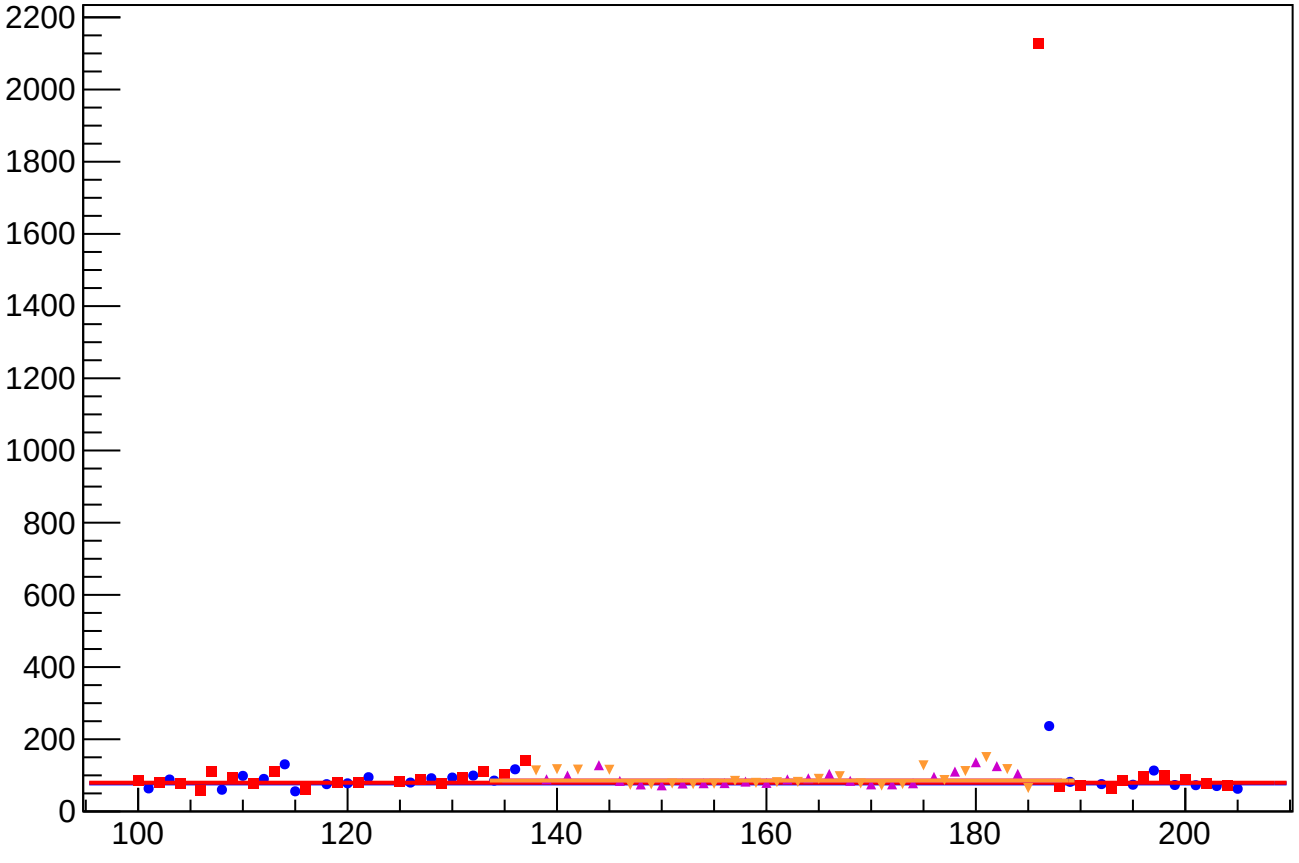
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.000+/-0.015 χ^2/NDF: 46.7/48

All: -0.002+/-0.011 χ^2/NDF: 112.3/99

- sign -0.004+/-0.015 χ^2/NDF: 65.5/50

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



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

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

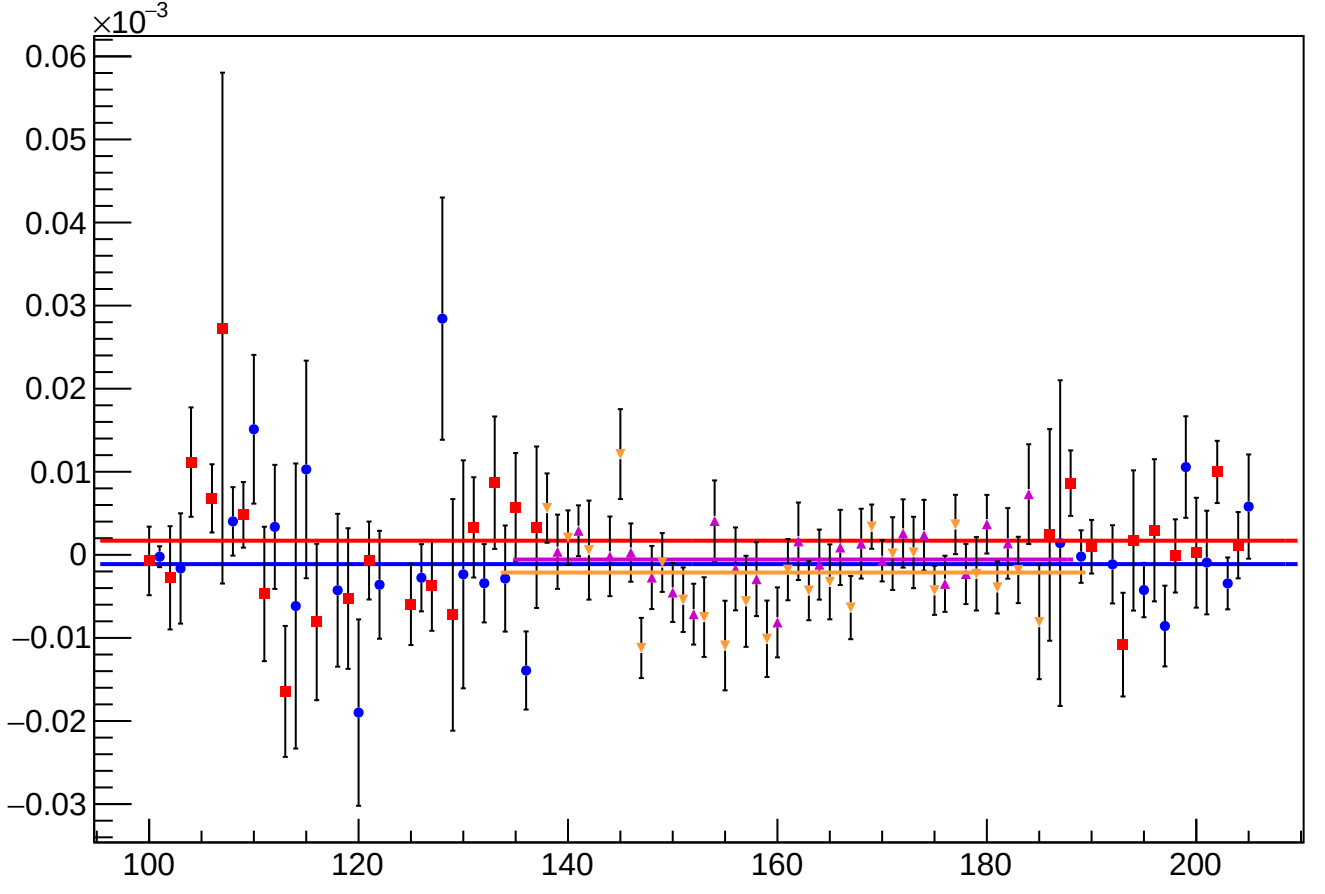
Right Out: 79.619+/-0.015 χ^2/NDF: 1560426.5/27

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

+ sign 81.885+/-0.011 χ^2/NDF: 2397399.8/48

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

- sign 82.807+/-0.011 χ^2/NDF: 2637685.2/50



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

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

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

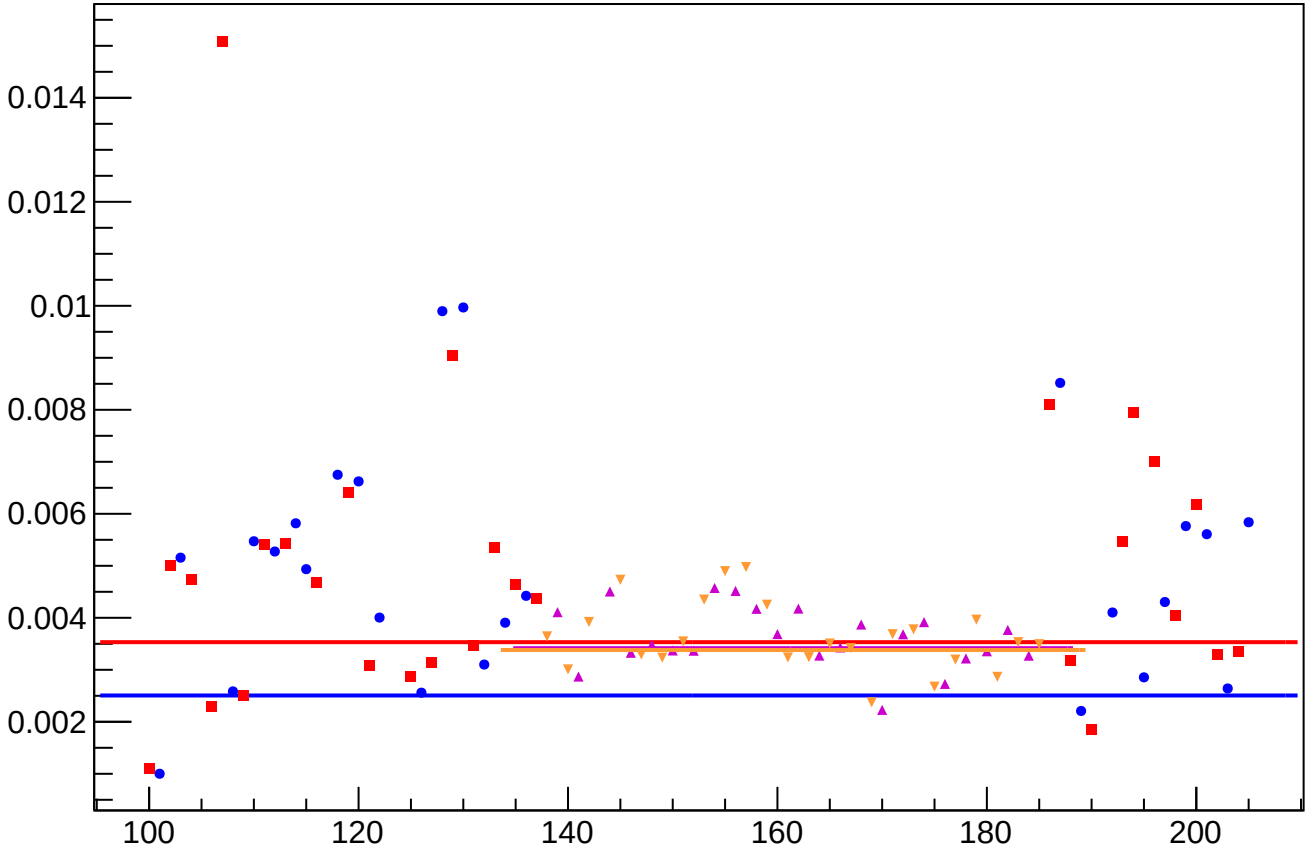
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.3/48

All: -0.000+/-0.000 χ^2/NDF: 124.1/99

- sign 0.000+/-0.000 χ^2/NDF: 50.7/50

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



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

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

Right Out: 0.004+/-0.000 χ^2/NDF: 4747712.2/27

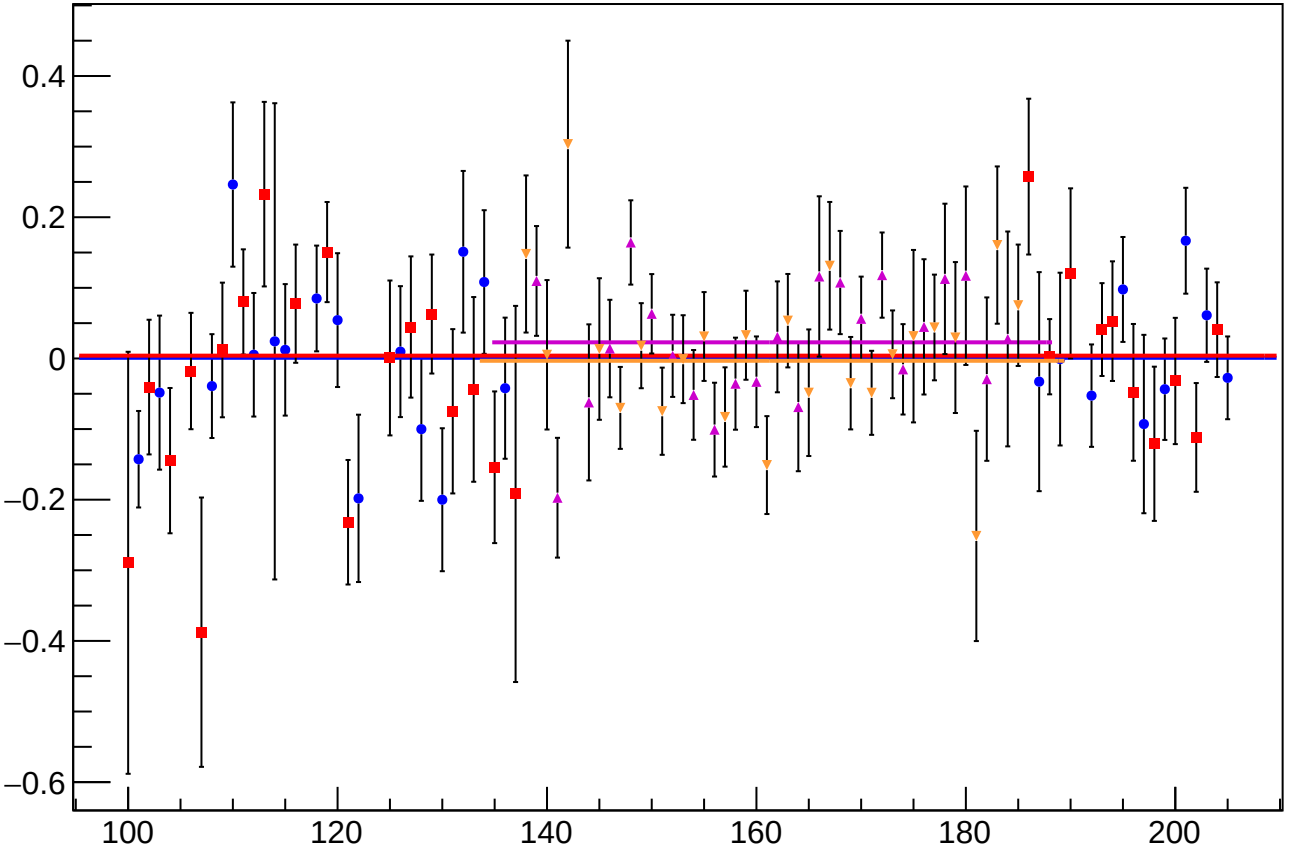
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10892073.8/48

All: 0.003+/-0.000 χ^2/NDF: 17502918.5/99

- sign 0.003+/-0.000 χ^2/NDF: 5933346.9/50

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



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

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

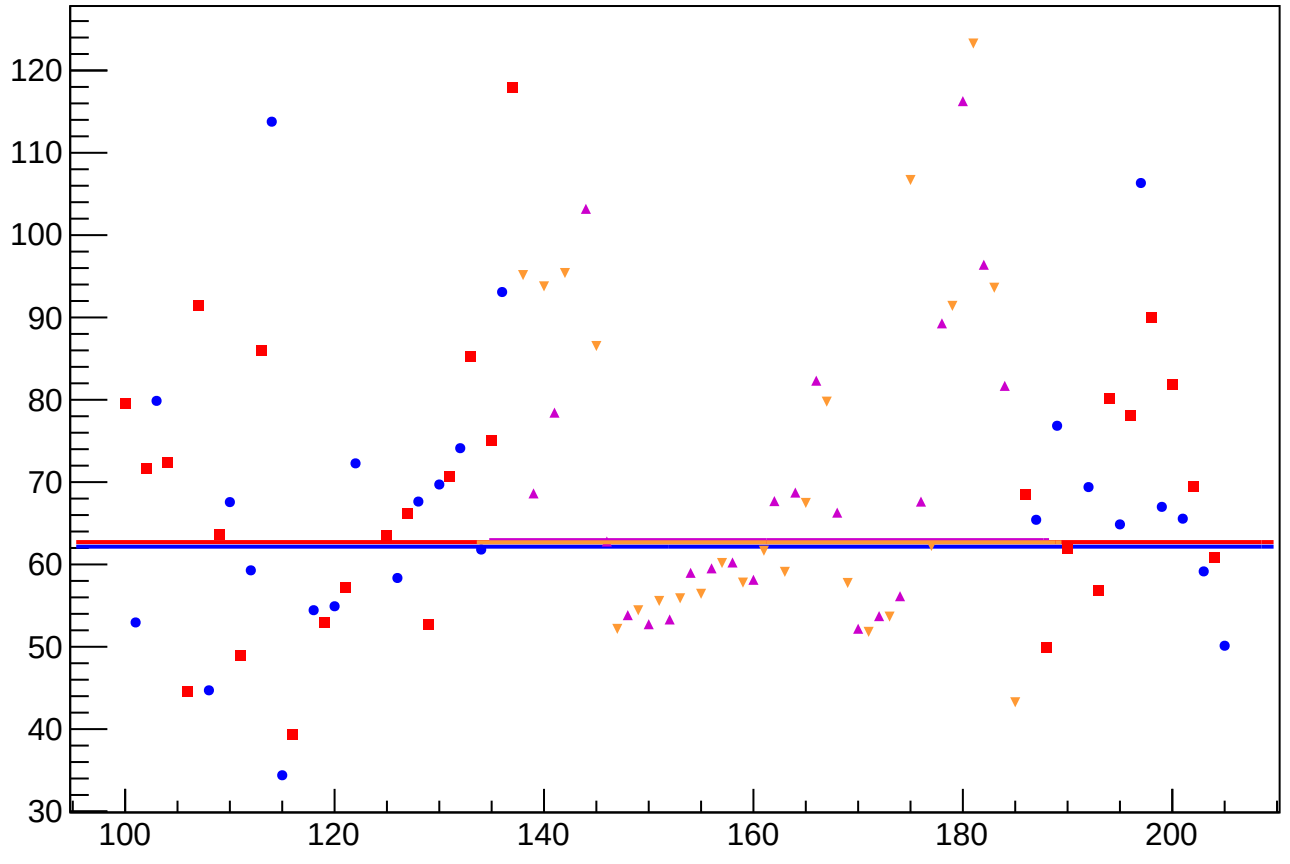
Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

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

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.007+/-0.008 χ^2/NDF: 126.4/99

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50



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

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

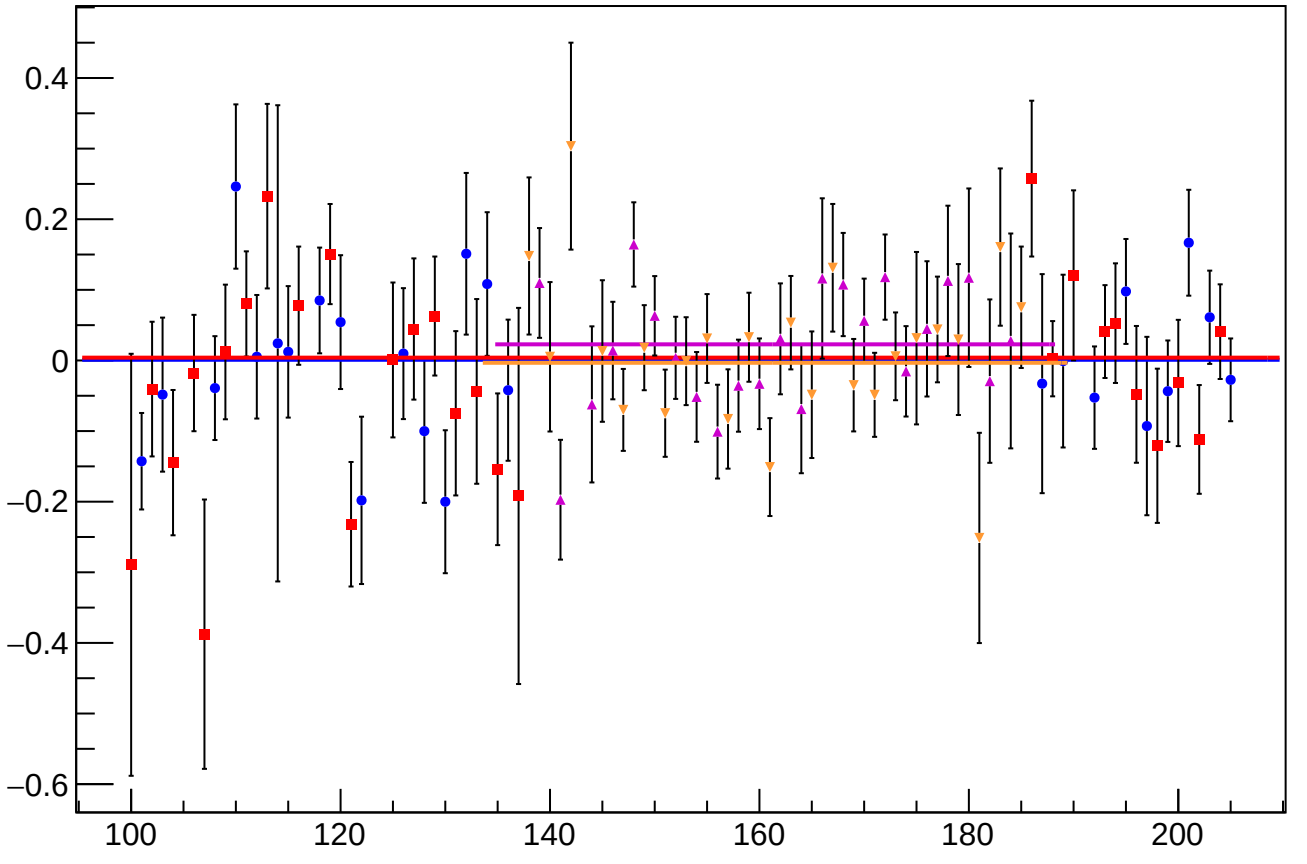
Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

+ sign 62.463+/-0.008 χ^2/NDF: 3052906.2/48

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

- sign 62.850+/-0.008 χ^2/NDF: 2666203.2/50



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

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

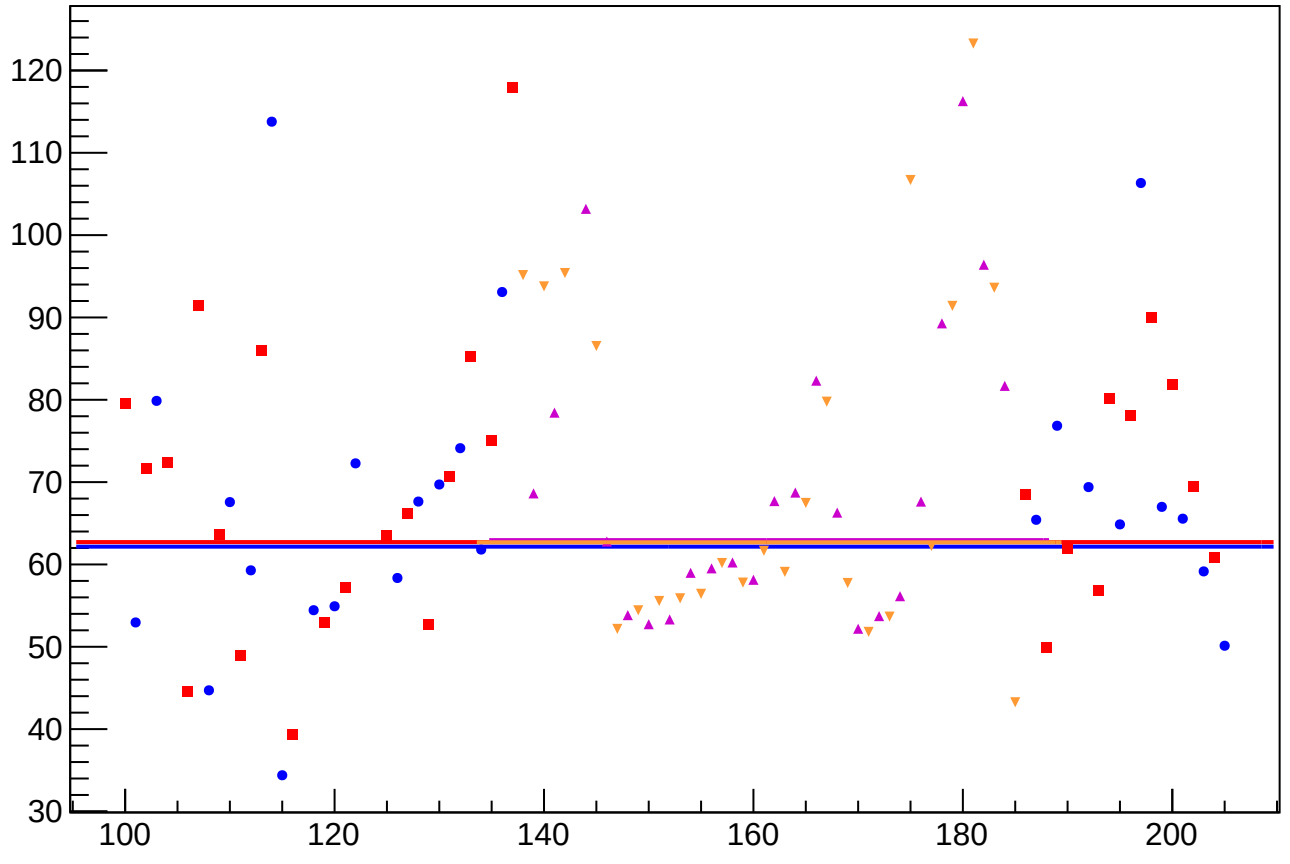
Right Out: 0.004+/-0.017 χ^2/NDF: 39.0/27

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

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.007+/-0.008 χ^2/NDF: 126.4/99

- sign 0.014+/-0.012 χ^2/NDF: 68.6/50



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

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

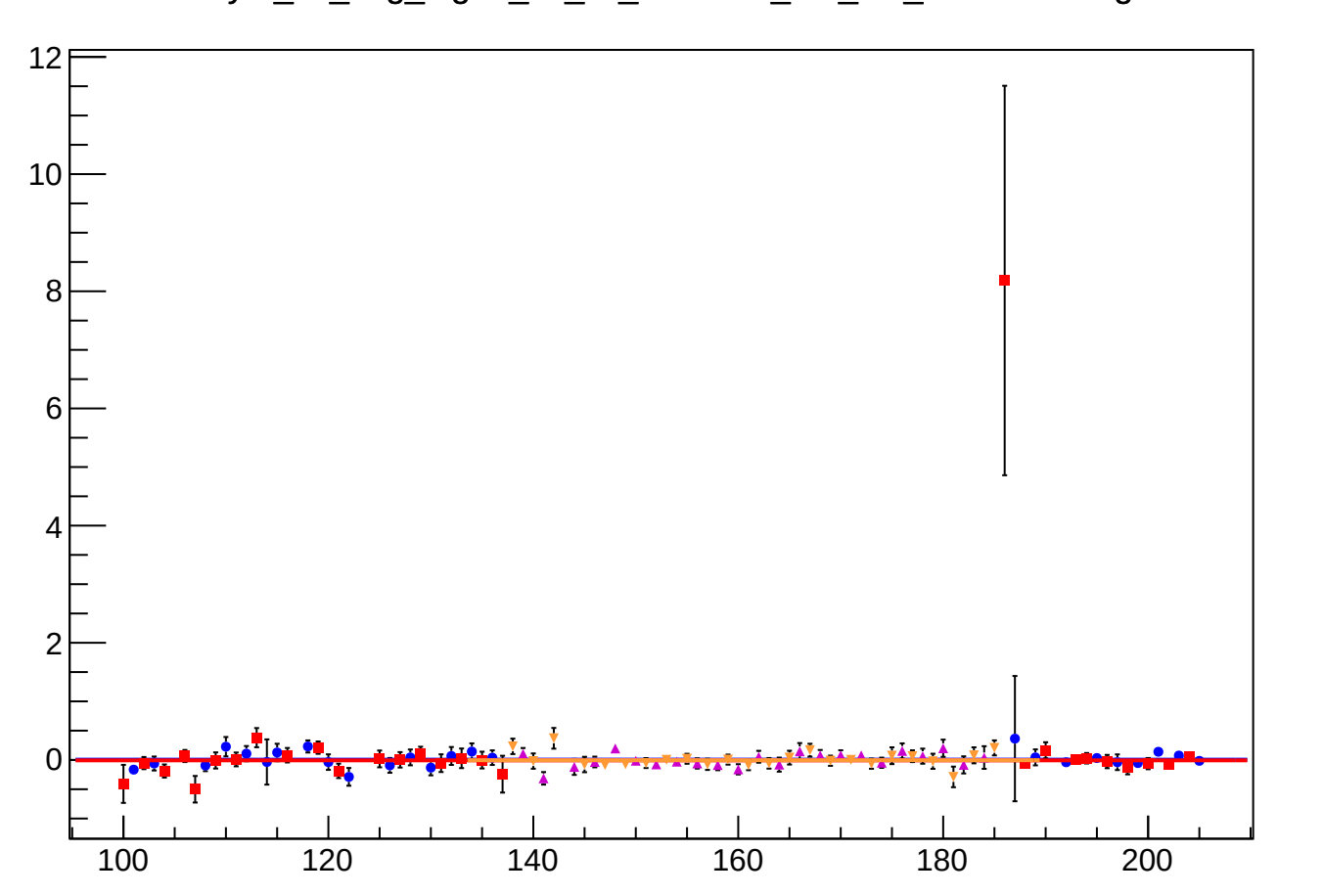
Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

+ sign 62.463+/-0.008 χ^2/NDF: 3052906.2/48

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

- sign 62.850+/-0.008 χ^2/NDF: 2666203.2/50



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

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

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

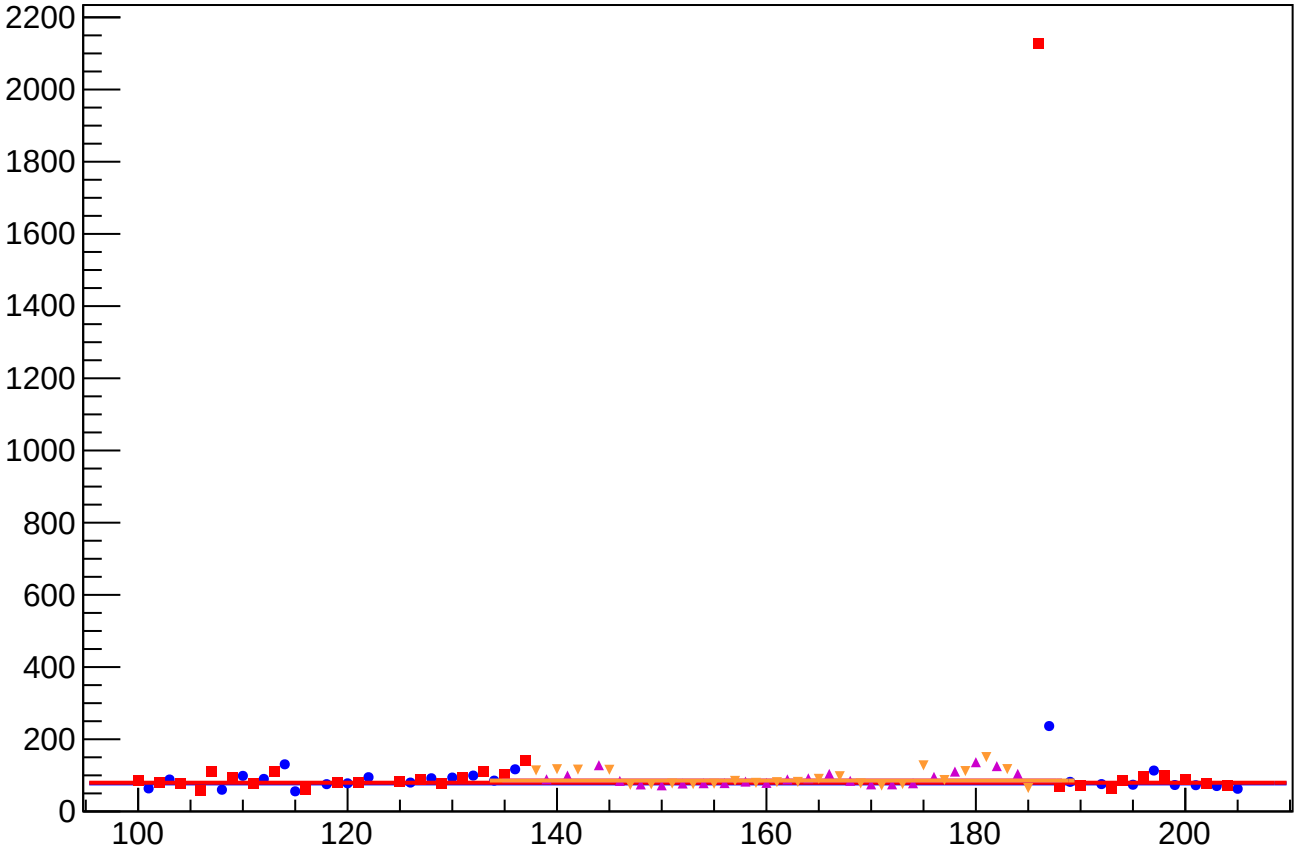
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.000+/-0.015 χ^2/NDF: 46.7/48

All: -0.002+/-0.011 χ^2/NDF: 112.3/99

- sign -0.004+/-0.015 χ^2/NDF: 65.5/50

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



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

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

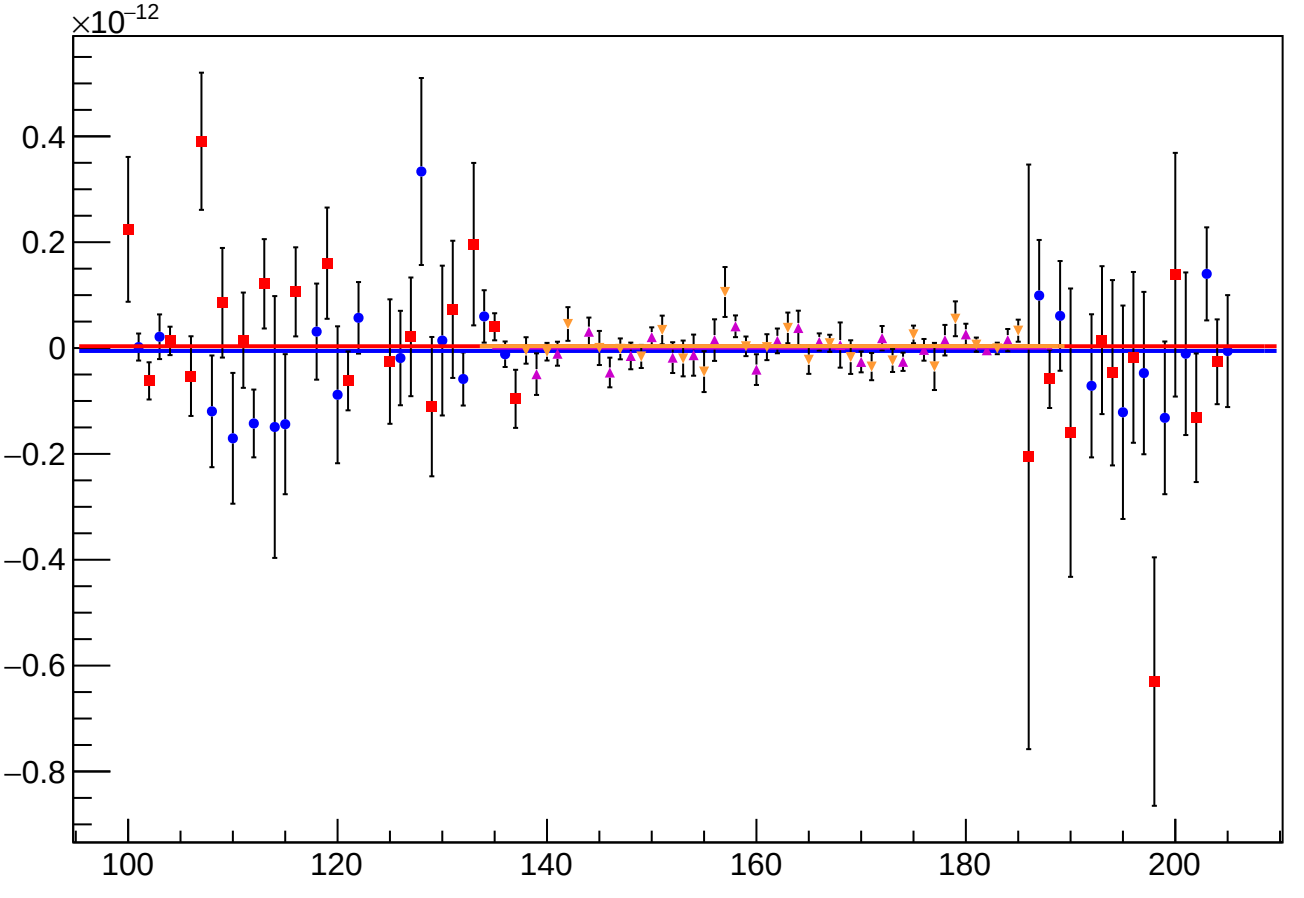
Right Out: 79.619+/-0.015 χ^2/NDF: 1560367.4/27

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

+ sign 81.885+/-0.011 χ^2/NDF: 2397362.7/48

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

- sign 82.807+/-0.011 χ^2/NDF: 2637635.1/50



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

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

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

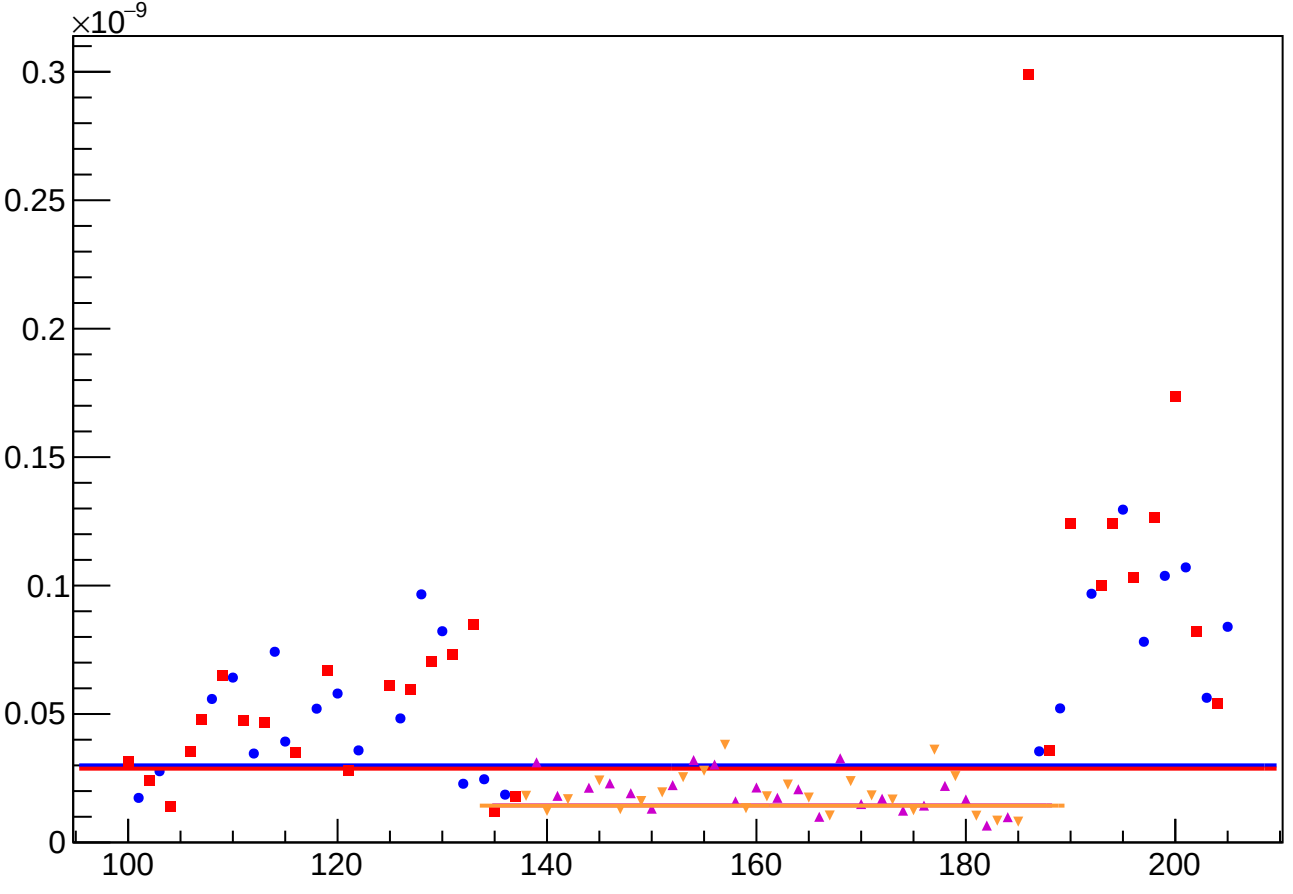
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/48

All: 0.000+/-0.000 χ^2/NDF: 114.6/99

- sign 0.000+/-0.000 χ^2/NDF: 66.0/50

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



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

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

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

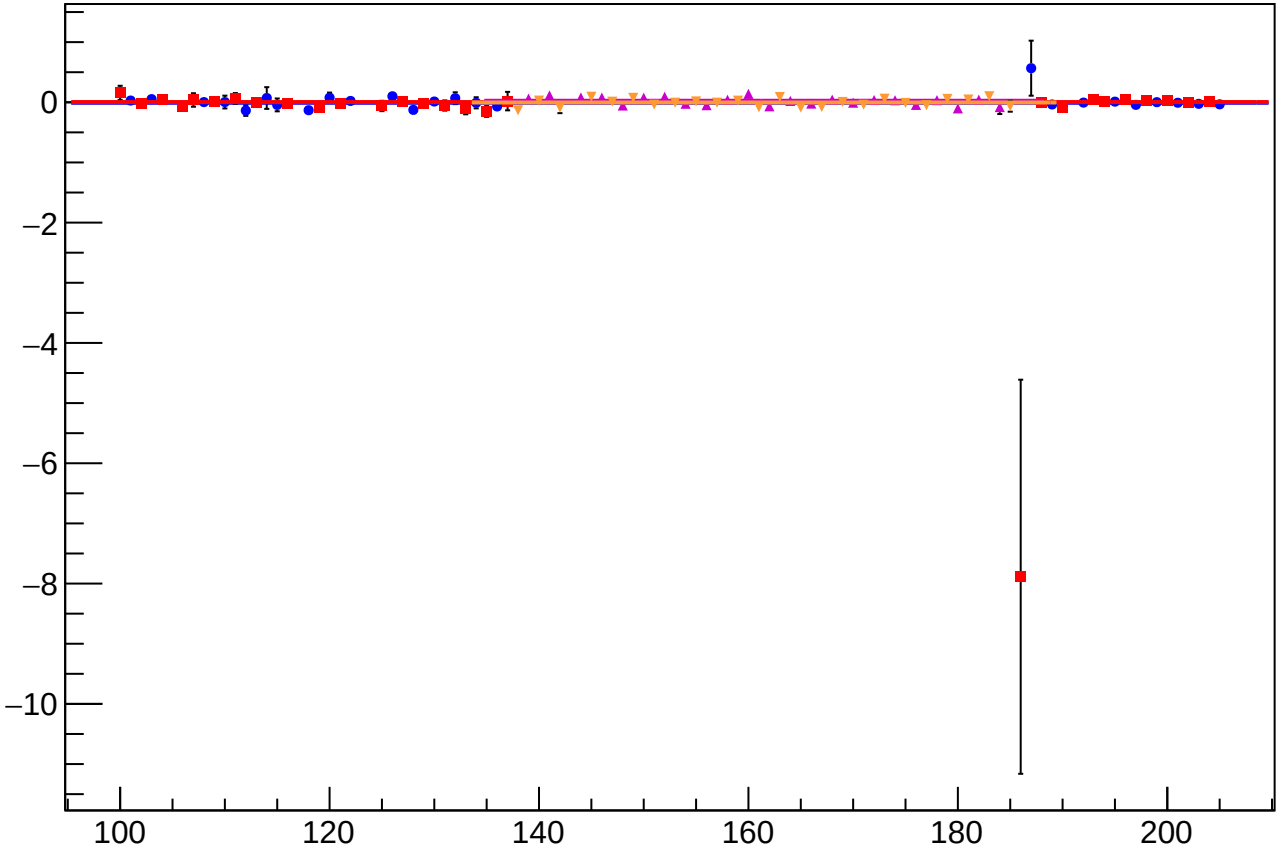
Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11607495.0/48

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

- sign 0.000+/-0.000 χ^2/NDF: 13903423.6/50

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



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

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

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

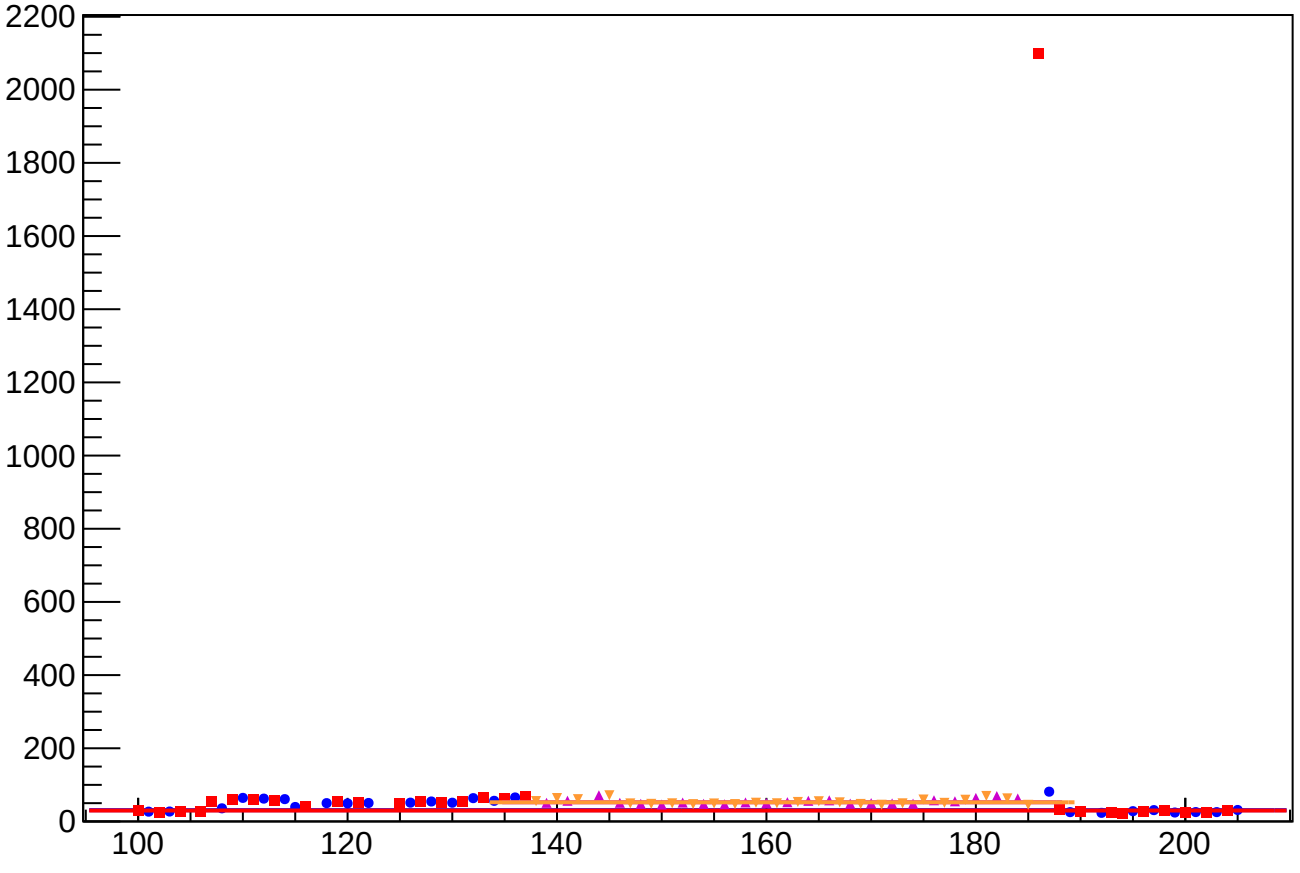
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.006+/-0.007 χ^2/NDF: 44.0/48

All: 0.003+/-0.005 χ^2/NDF: 102.7/99

- sign 0.011+/-0.007 χ^2/NDF: 55.9/50

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



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

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

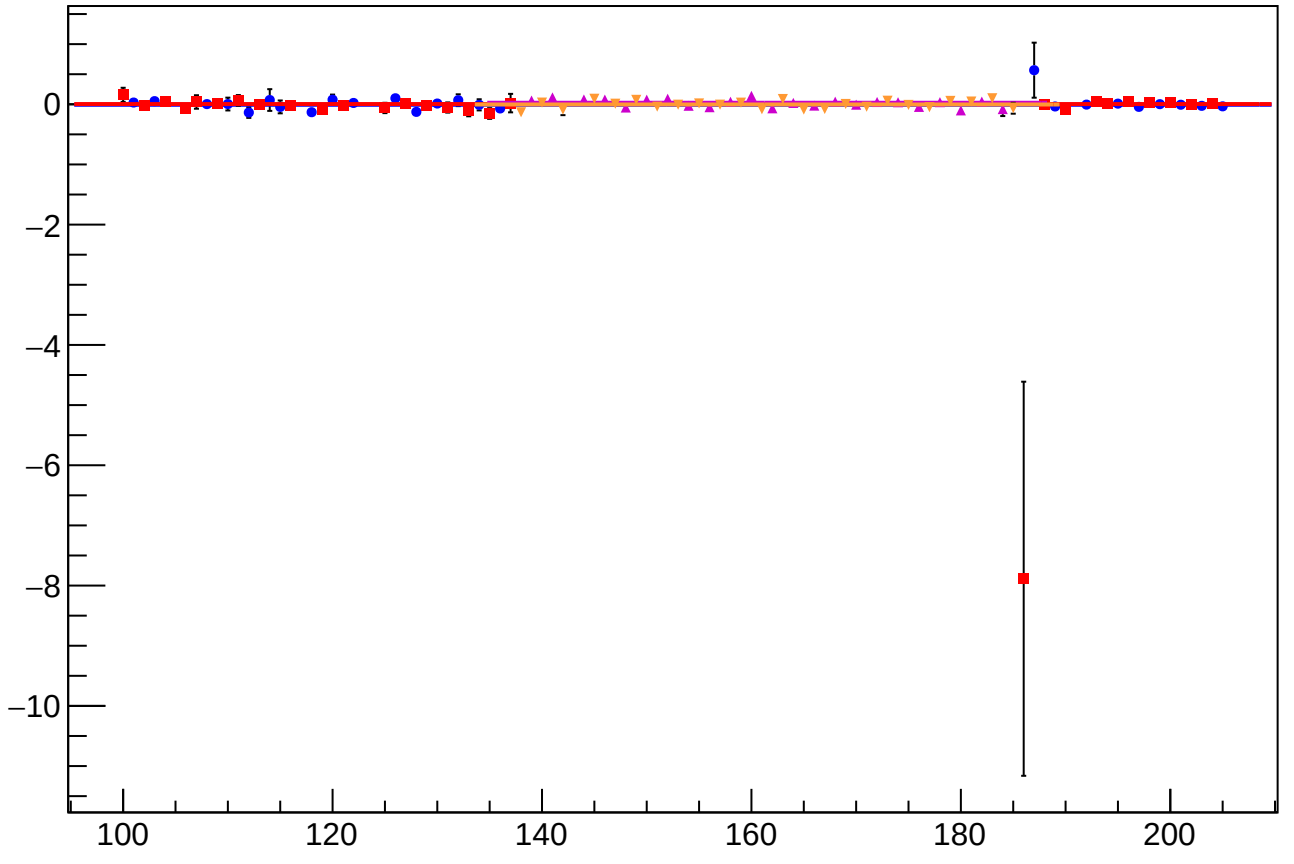
Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

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

+ sign 38.234+/-0.005 χ^2/NDF: 7263970.5/48

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

- sign 37.106+/-0.005 χ^2/NDF: 8676046.5/50



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

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

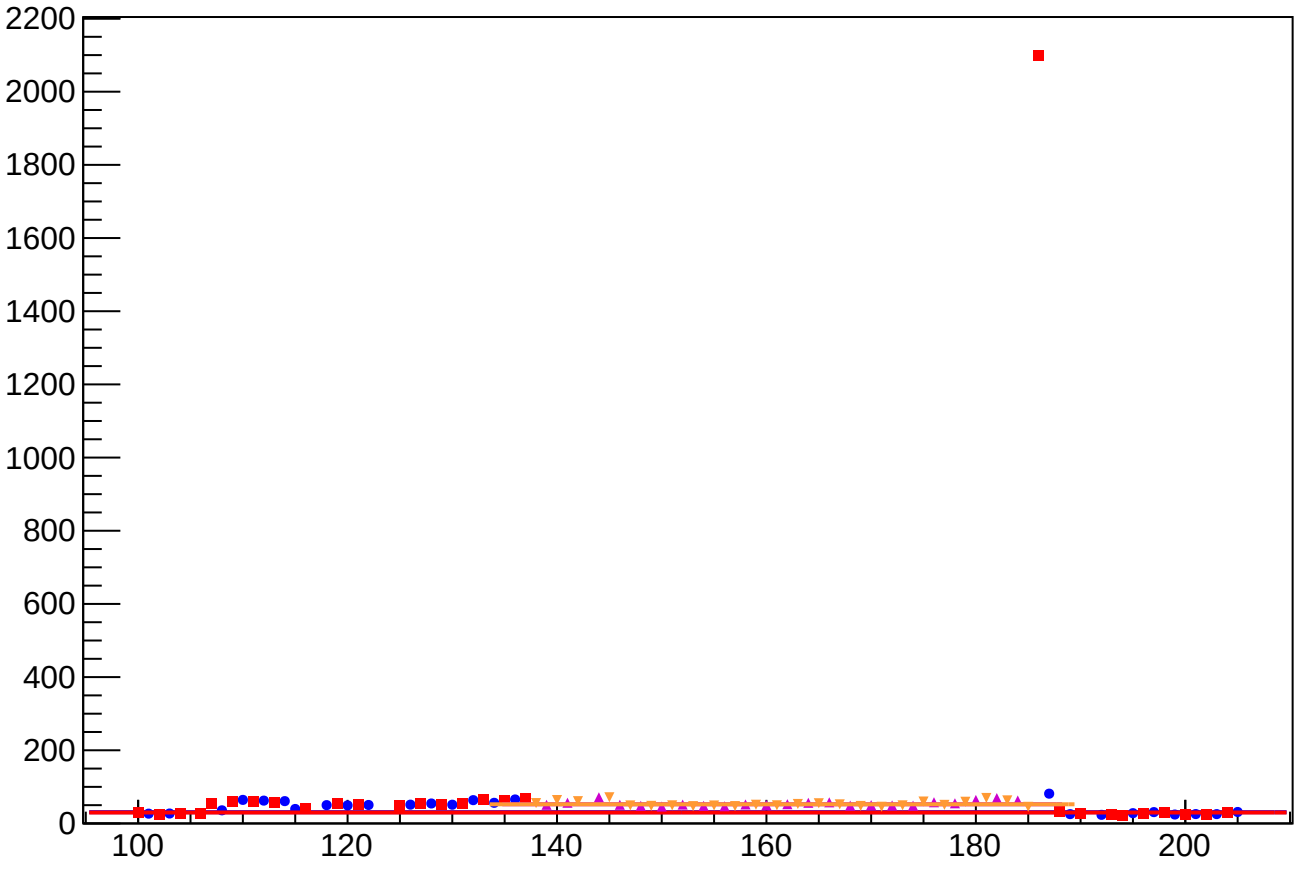
Right Out: 0.004+/-0.009 χ^2/NDF: 29.6/27

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

+ sign -0.006+/-0.007 χ^2/NDF: 44.0/48

All: 0.003+/-0.005 χ^2/NDF: 102.7/99

- sign 0.011+/-0.007 χ^2/NDF: 55.9/50



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

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

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

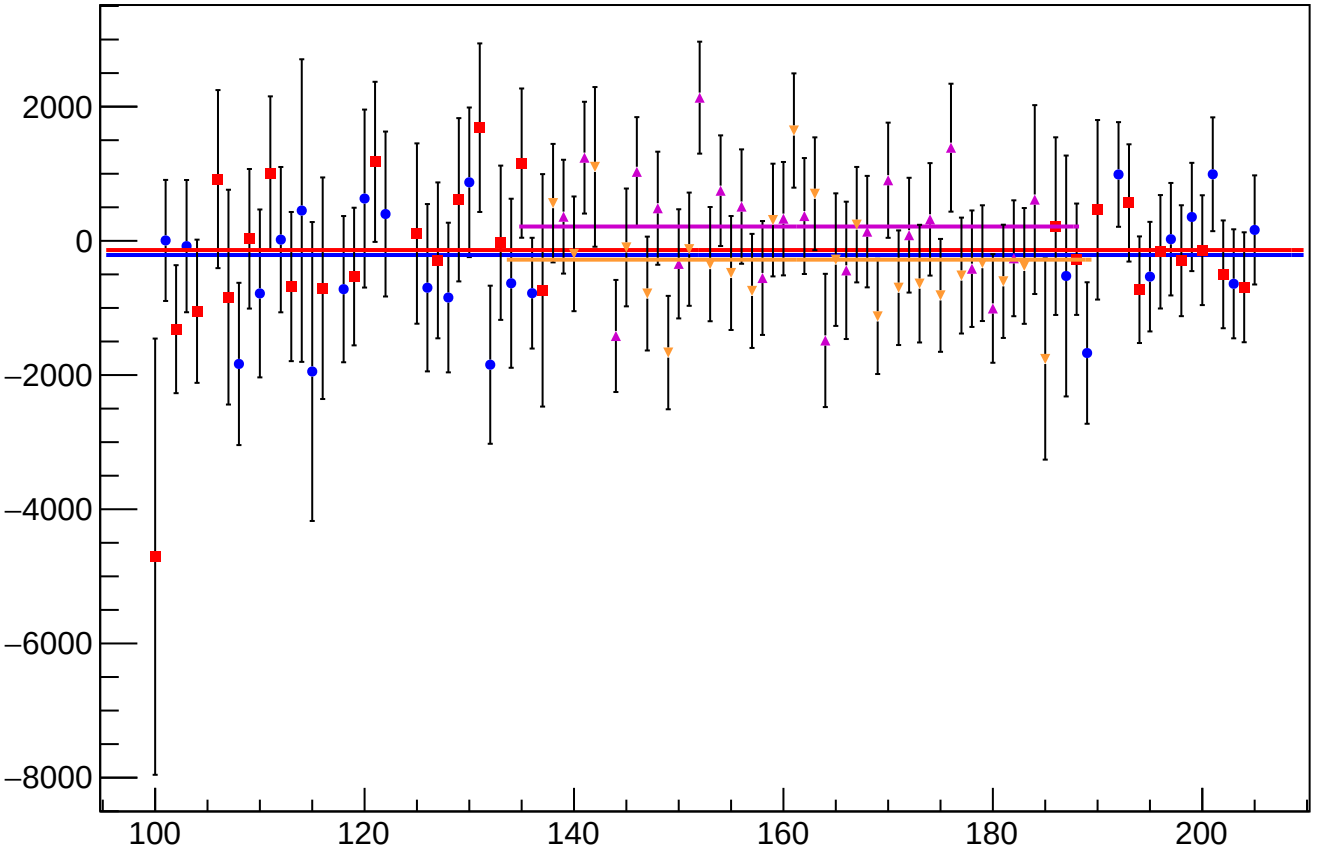
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 38.234+/-0.005 χ^2/NDF: 7263970.5/48

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

- sign 37.106+/-0.005 χ^2/NDF: 8676046.5/50

reg_asym_us_dd_mean vs Slug



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

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

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

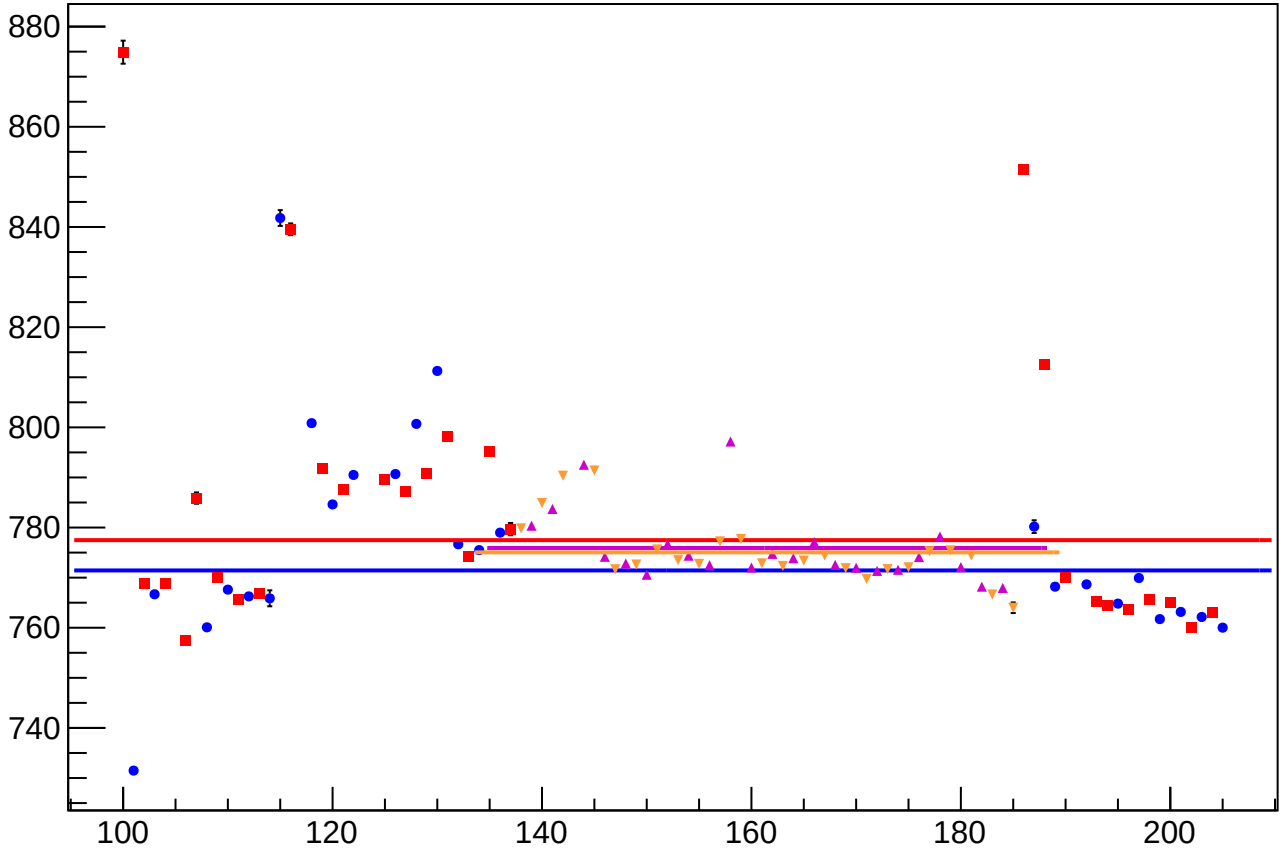
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.285+/-135.316 χ^2/NDF: 31.3/48

All: -96.198+/-95.345 χ^2/NDF: 72.0/99

- sign 55.732+/-134.365 χ^2/NDF: 38.1/50

reg_asym_us_dd_rms vs Slug



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

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

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

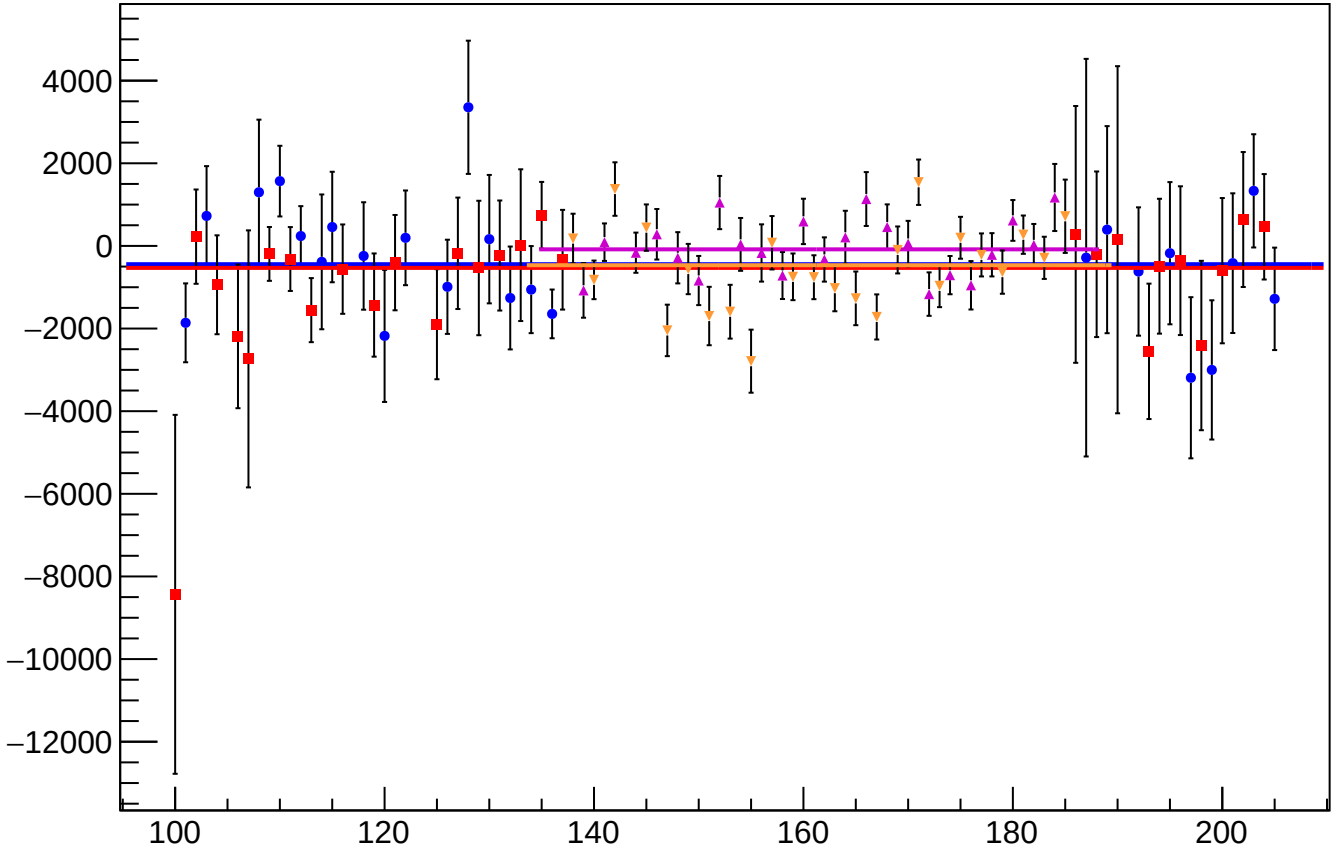
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 773.483+/-0.096 χ^2/NDF: 16654.2/48

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

- sign 776.625+/-0.095 χ^2/NDF: 24937.5/50

asym_us_dd_reg_correction_mean vs Slug



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

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

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

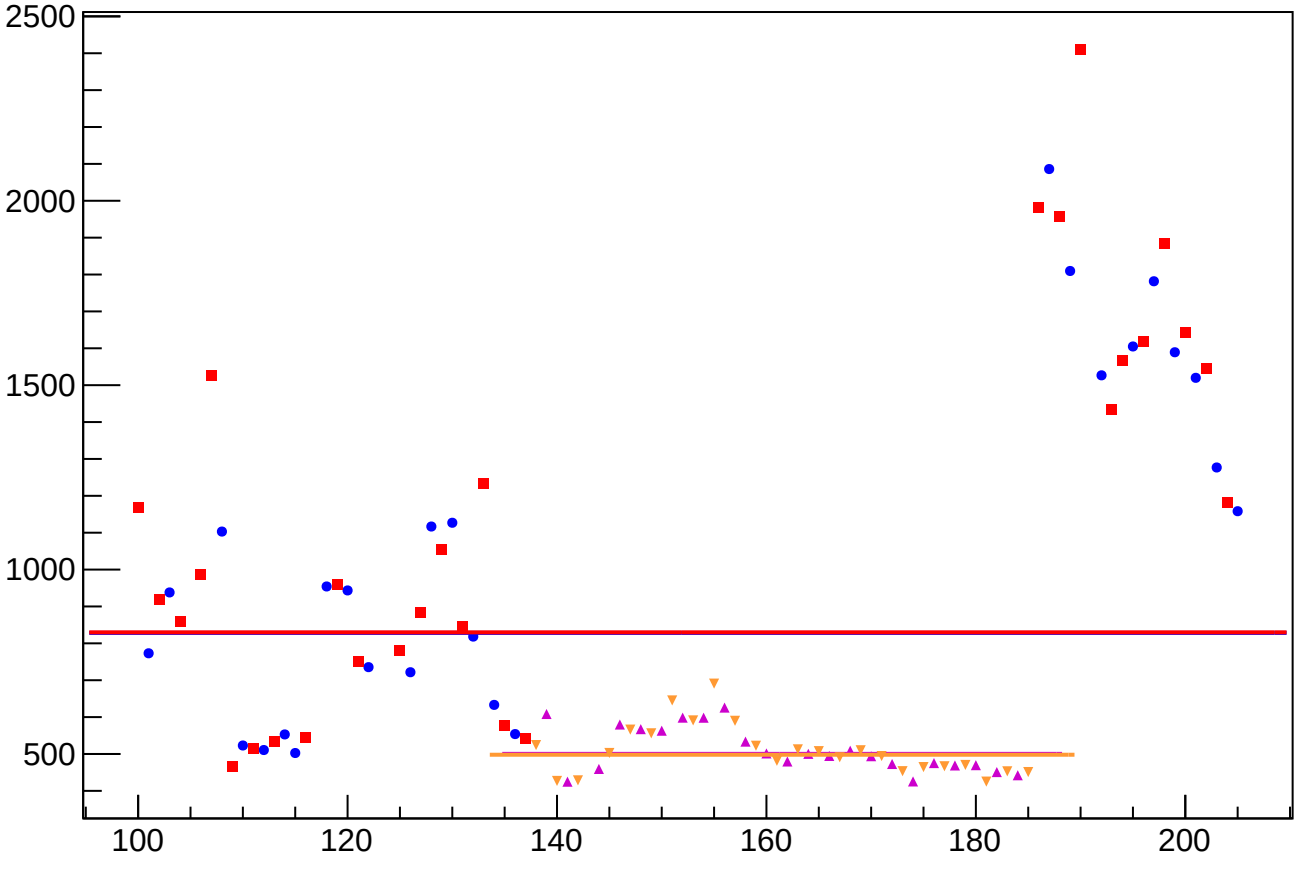
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -462.453+/-105.075 χ^2/NDF: 94.4/48

All: -317.448+/-74.513 χ^2/NDF: 144.5/99

- sign -170.764+/-105.681 χ^2/NDF: 46.2/50

asym_us_dd_reg_correction_rms vs Slug



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

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

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

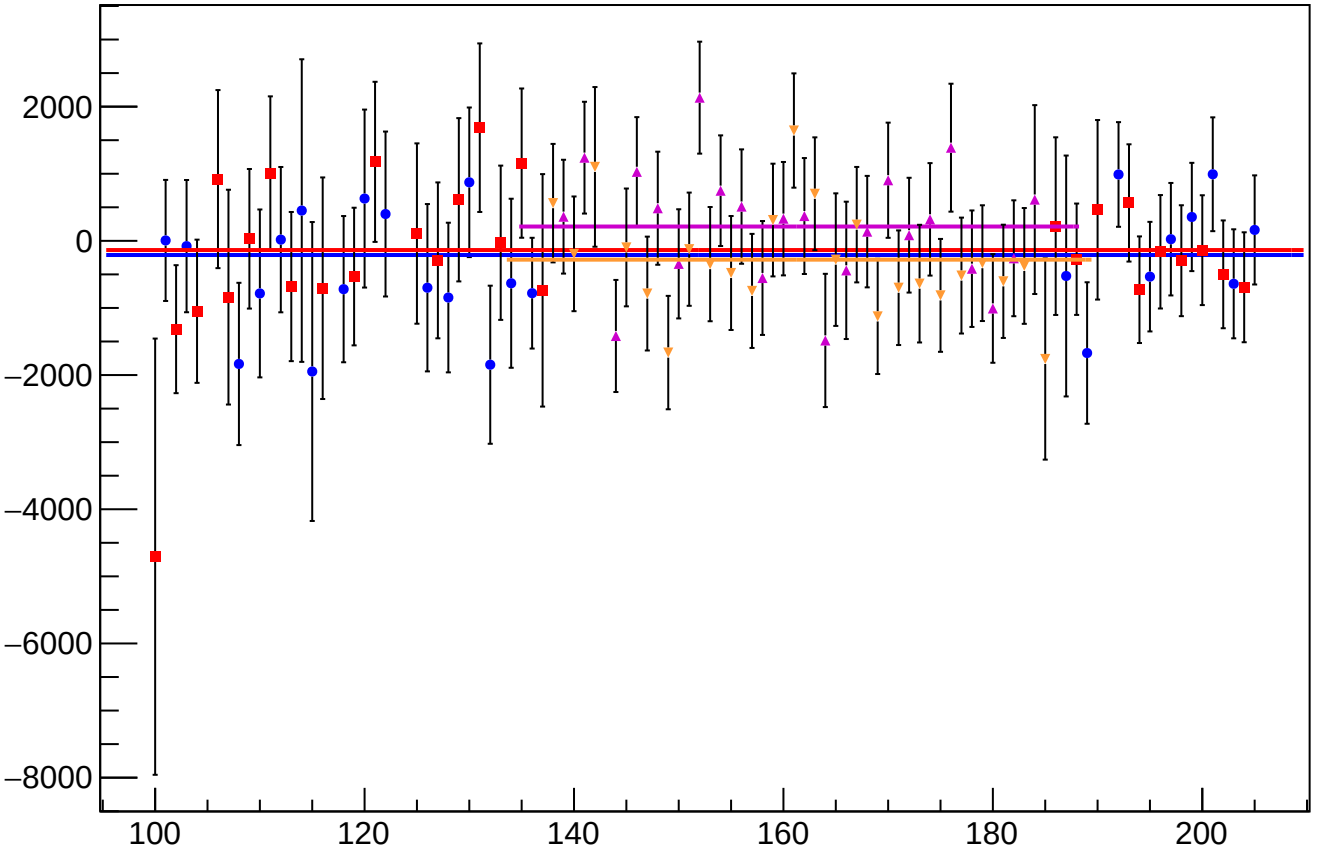
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 560.560+/-0.074 χ^2/NDF: 7982496.4/48

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

- sign 564.649+/-0.075 χ^2/NDF: 9283713.8/50

cor_asym_us_dd_mean vs Slug



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

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

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

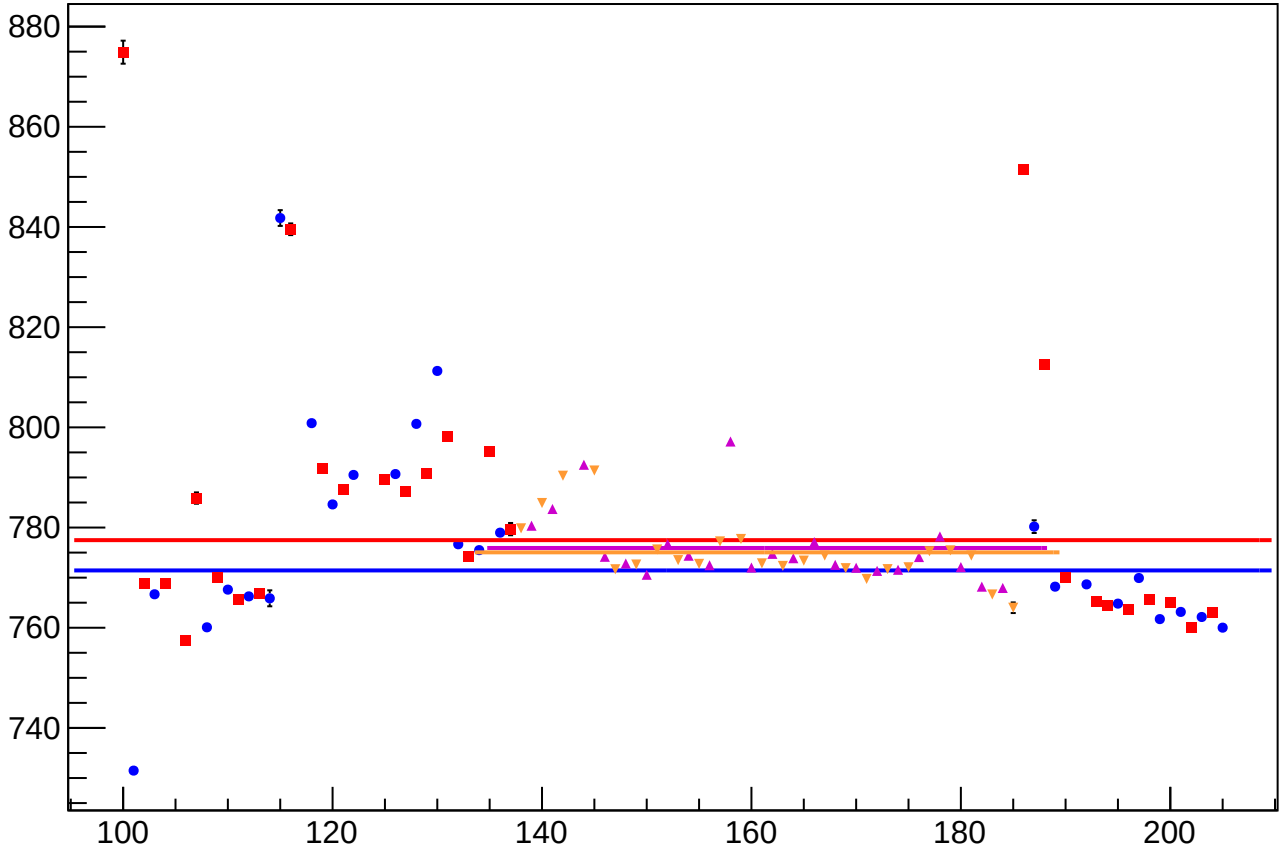
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.285+/-135.316 χ^2/NDF: 31.3/48

All: -96.198+/-95.345 χ^2/NDF: 72.0/99

- sign 55.732+/-134.365 χ^2/NDF: 38.1/50

cor_asym_us_dd_rms vs Slug



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

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

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

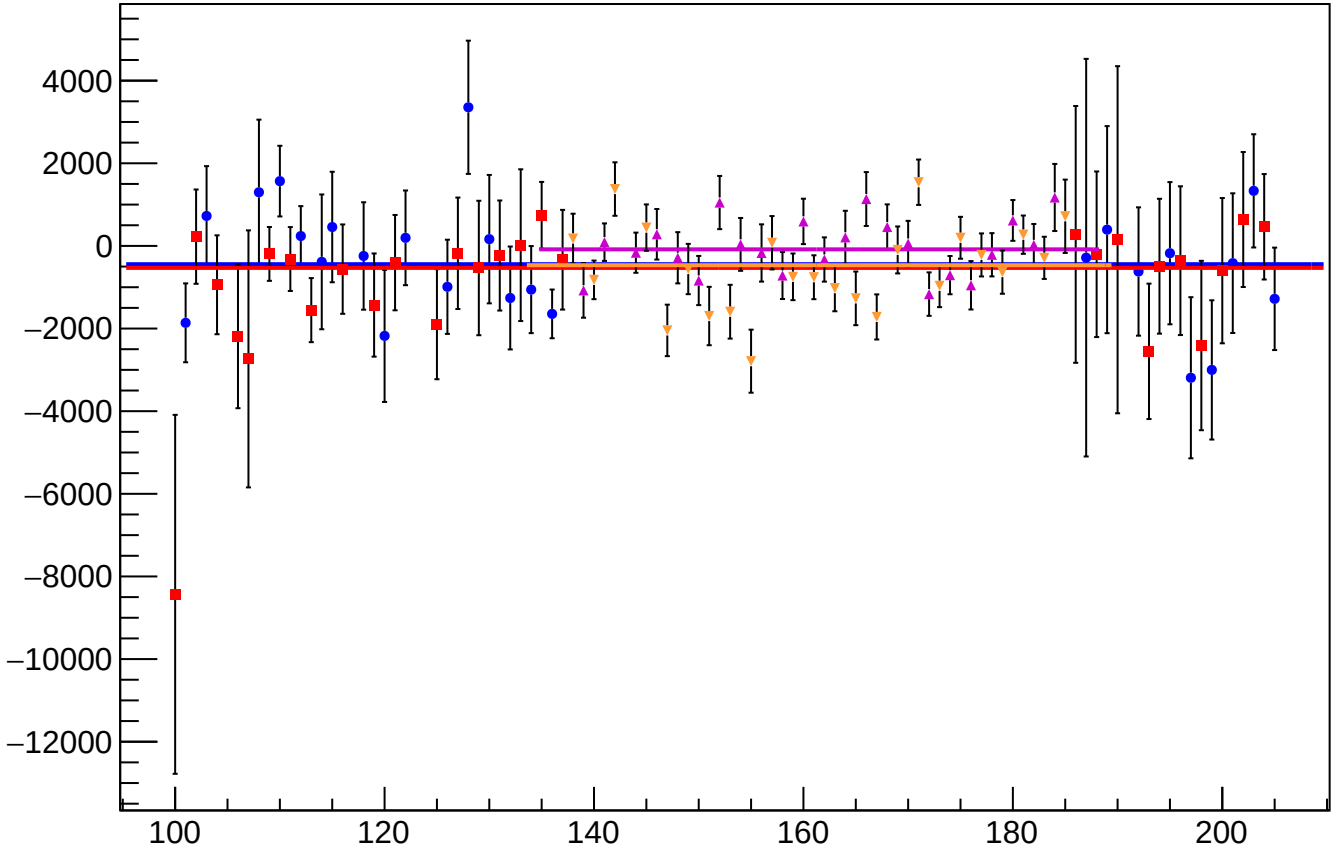
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 773.483+/-0.096 χ^2/NDF: 16654.2/48

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

- sign 776.625+/-0.095 χ^2/NDF: 24937.5/50

asym_us_dd_cor_correction_mean vs Slug



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

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

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

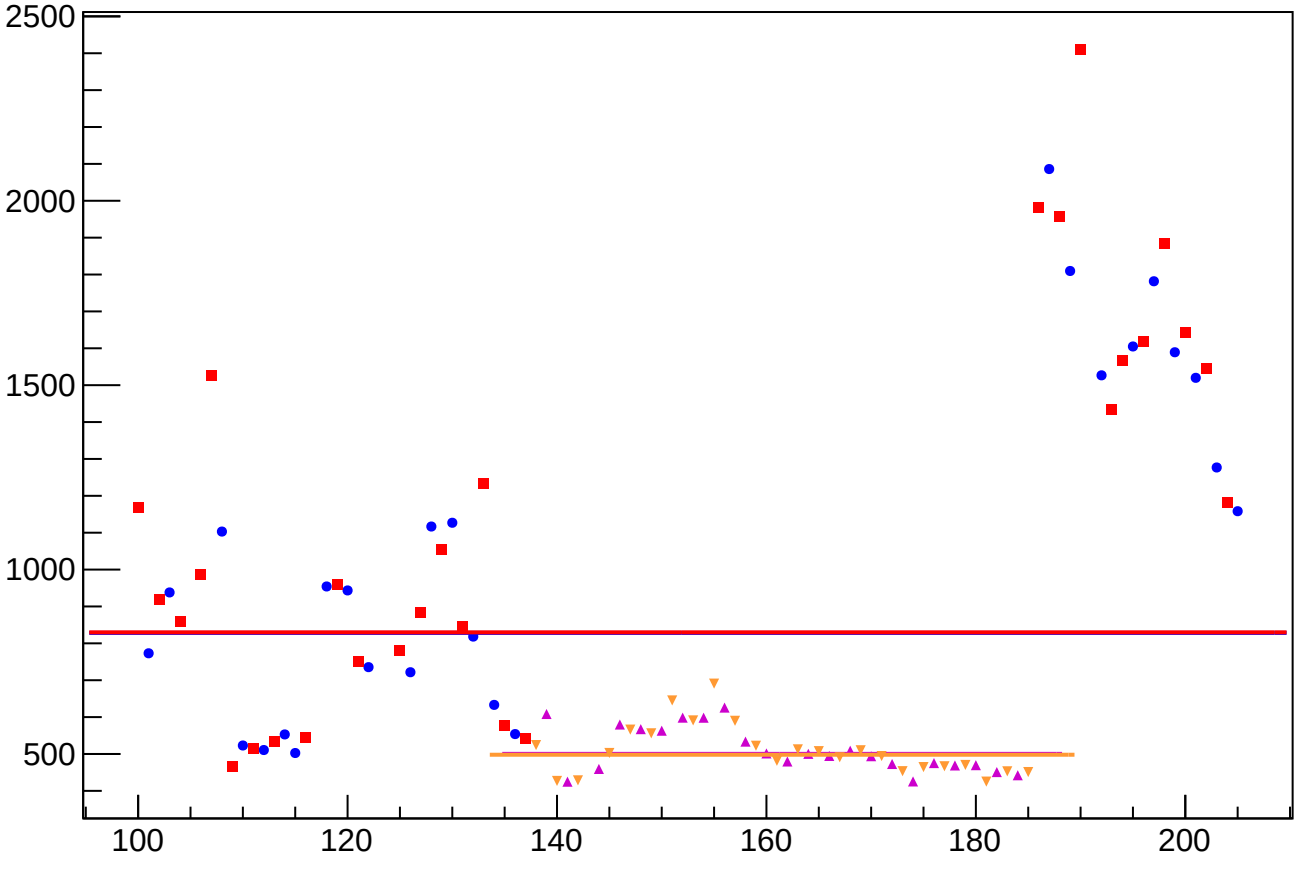
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -462.453+/-105.075 χ^2/NDF: 94.4/48

All: -317.448+/-74.513 χ^2/NDF: 144.5/99

- sign -170.764+/-105.681 χ^2/NDF: 46.2/50

asym_us_dd_cor_correction_rms vs Slug



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

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

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

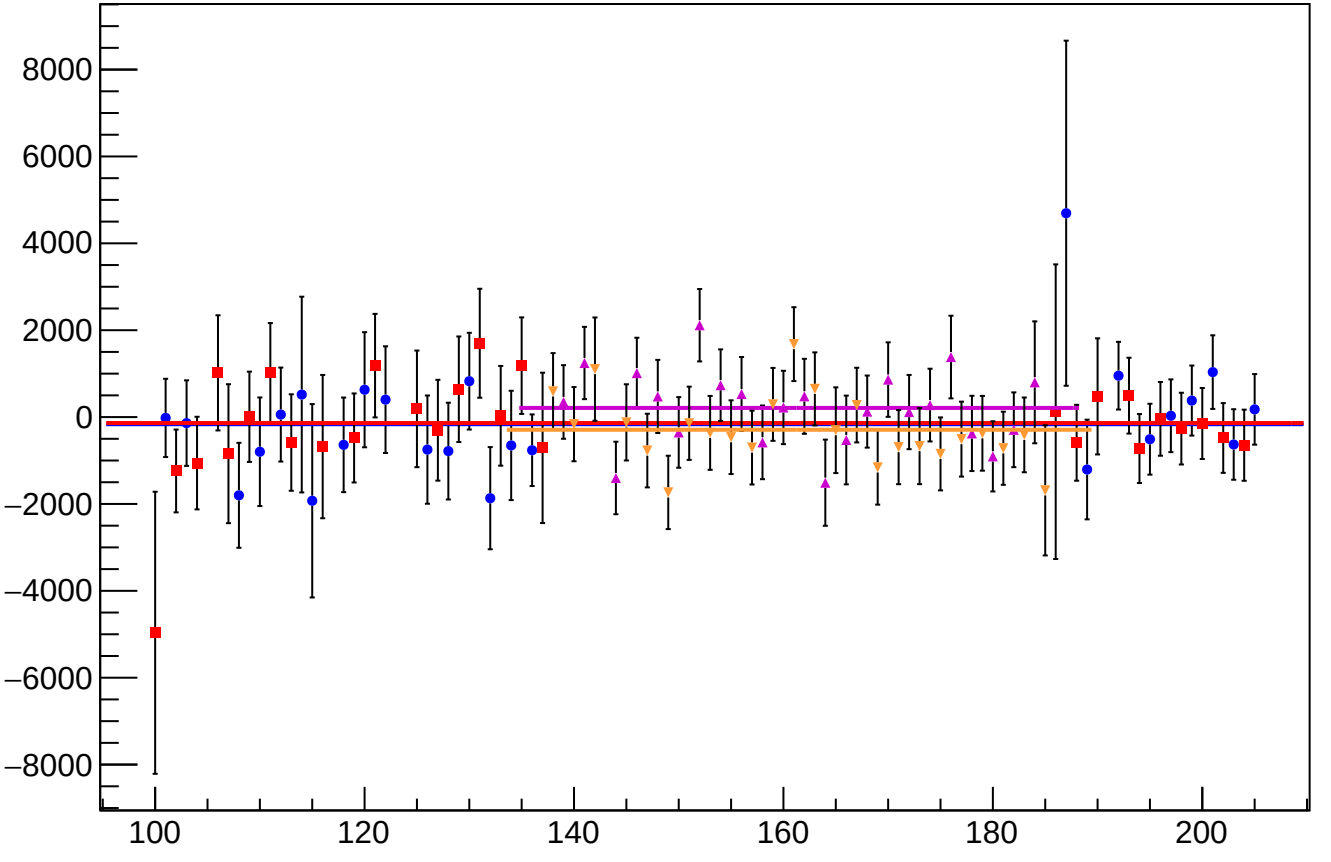
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 560.560+/-0.074 χ^2/NDF: 7982496.4/48

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

- sign 564.649+/-0.075 χ^2/NDF: 9283713.8/50

overload_cor_asym_us_dd_mean vs Slug



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

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

Right Out: -136.658+/-202.777 χ^2/NDF: 14.2/27

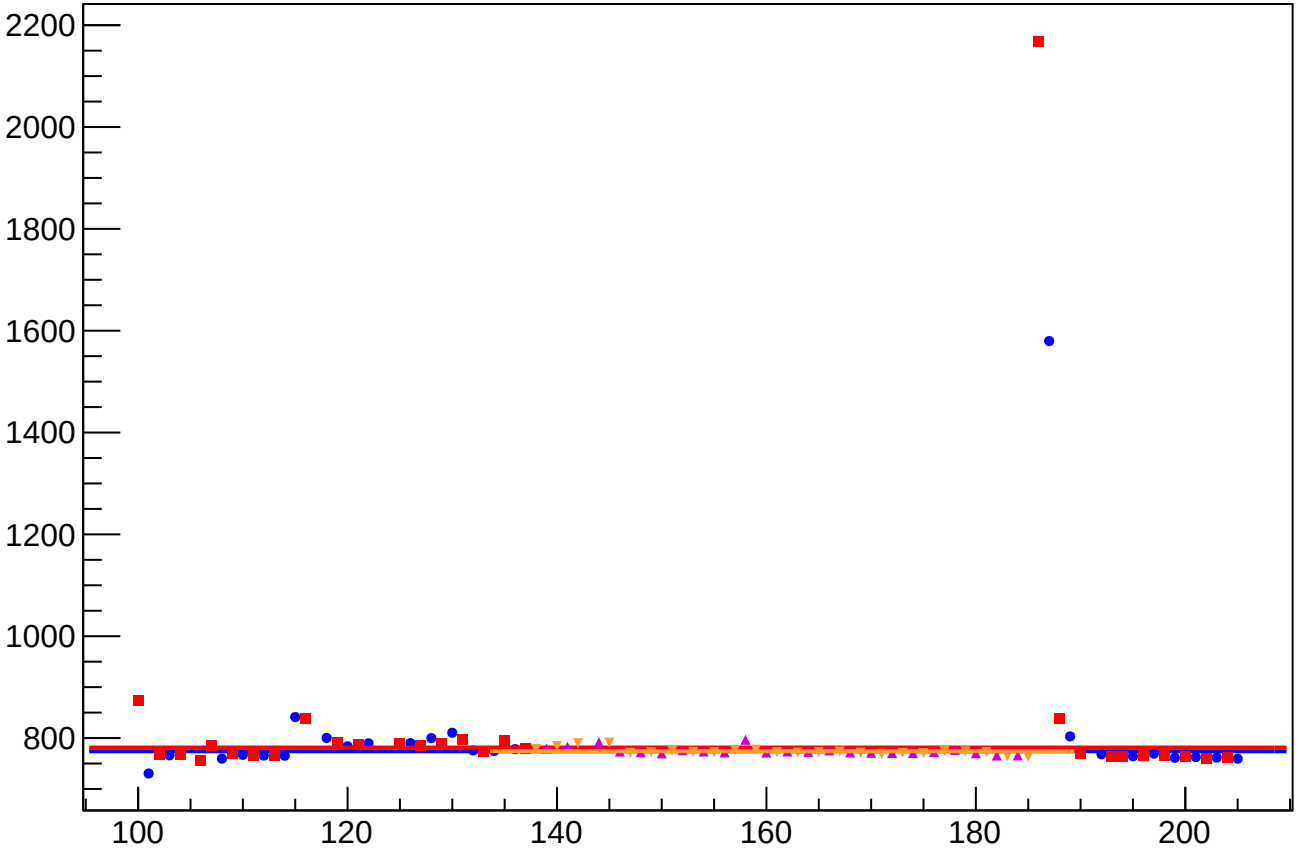
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -236.955+/-135.658 χ^2/NDF: 32.1/48

All: -89.267+/-95.695 χ^2/NDF: 72.5/99

- sign 57.015+/-135.011 χ^2/NDF: 38.0/50

overload_cor_asym_us_dd_rms vs Slug



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

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

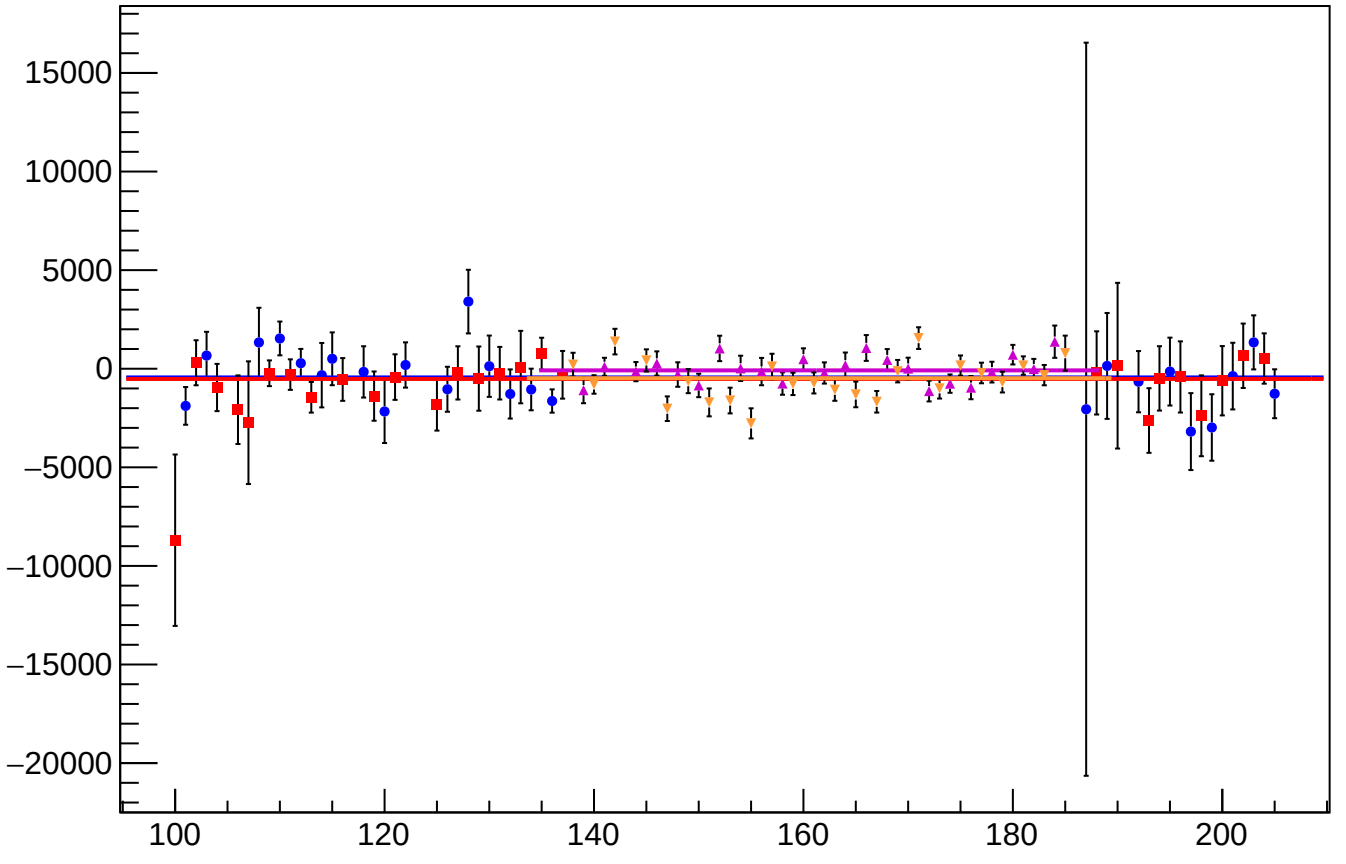
Right Out: 781.402+/-0.143 χ^2/NDF: 356927.4/27

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

+ sign 774.093+/-0.096 χ^2/NDF: 100412.0/48

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

- sign 777.832+/-0.095 χ^2/NDF: 361189.0/50



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

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

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

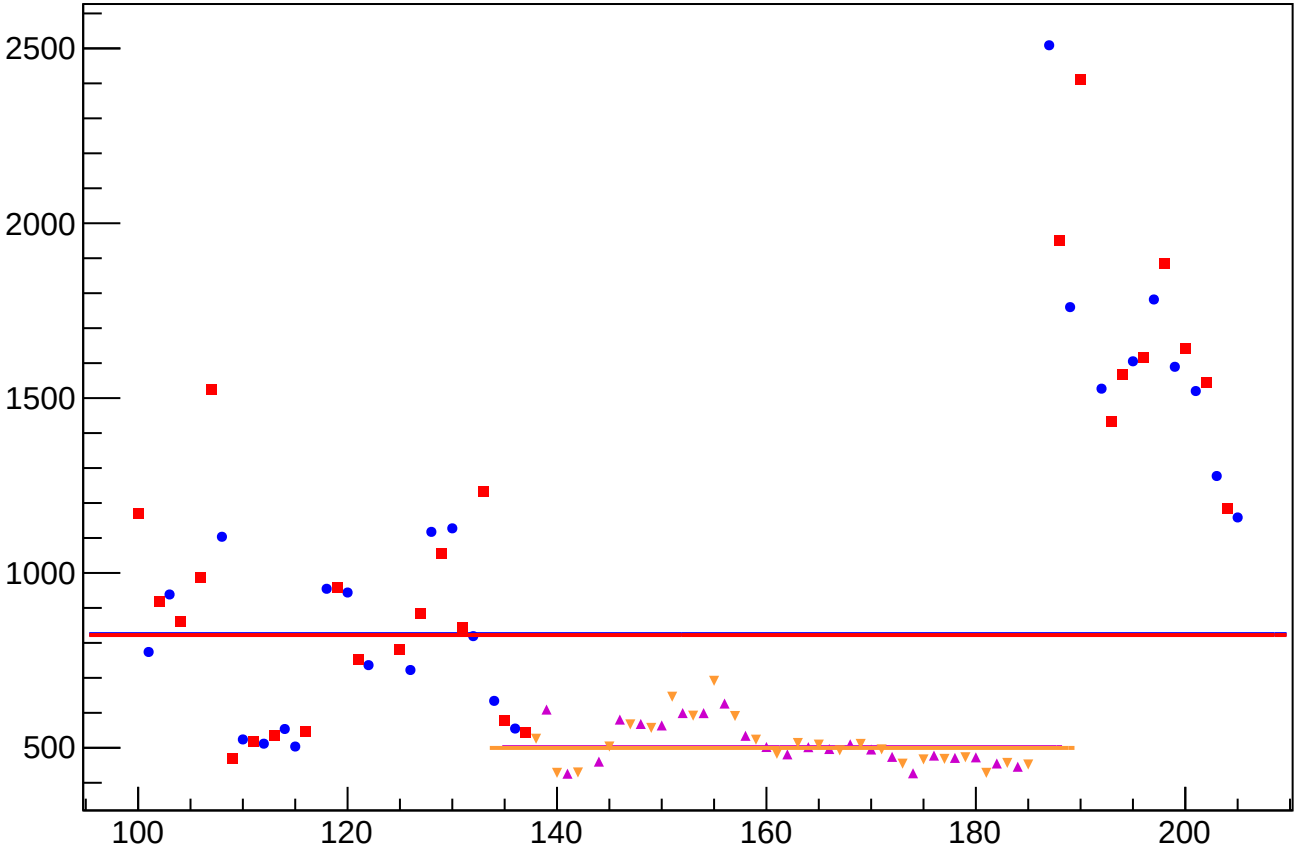
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -473.688+/-105.411 χ^2/NDF: 93.5/48

All: -321.688+/-74.767 χ^2/NDF: 143.6/98

- sign -167.802+/-106.064 χ^2/NDF: 46.0/49

asym_us_dd_overload_cor_correction_rms vs Slug



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

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

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

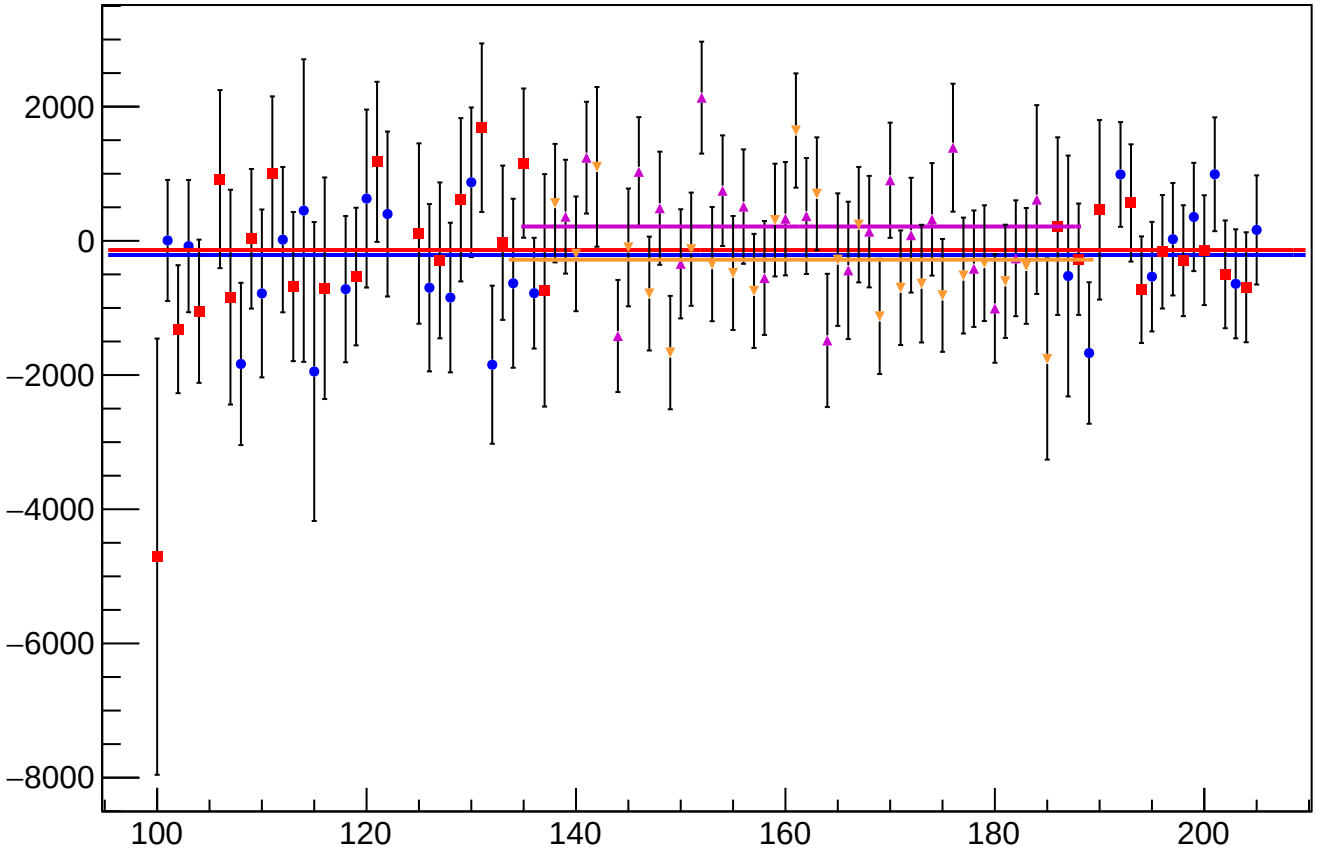
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 561.354+/-0.075 χ^2/NDF: 7664536.2/48

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

- sign 564.428+/-0.075 χ^2/NDF: 8714346.5/49

eigen_cor_asym_us_dd_mean vs Slug



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

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

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

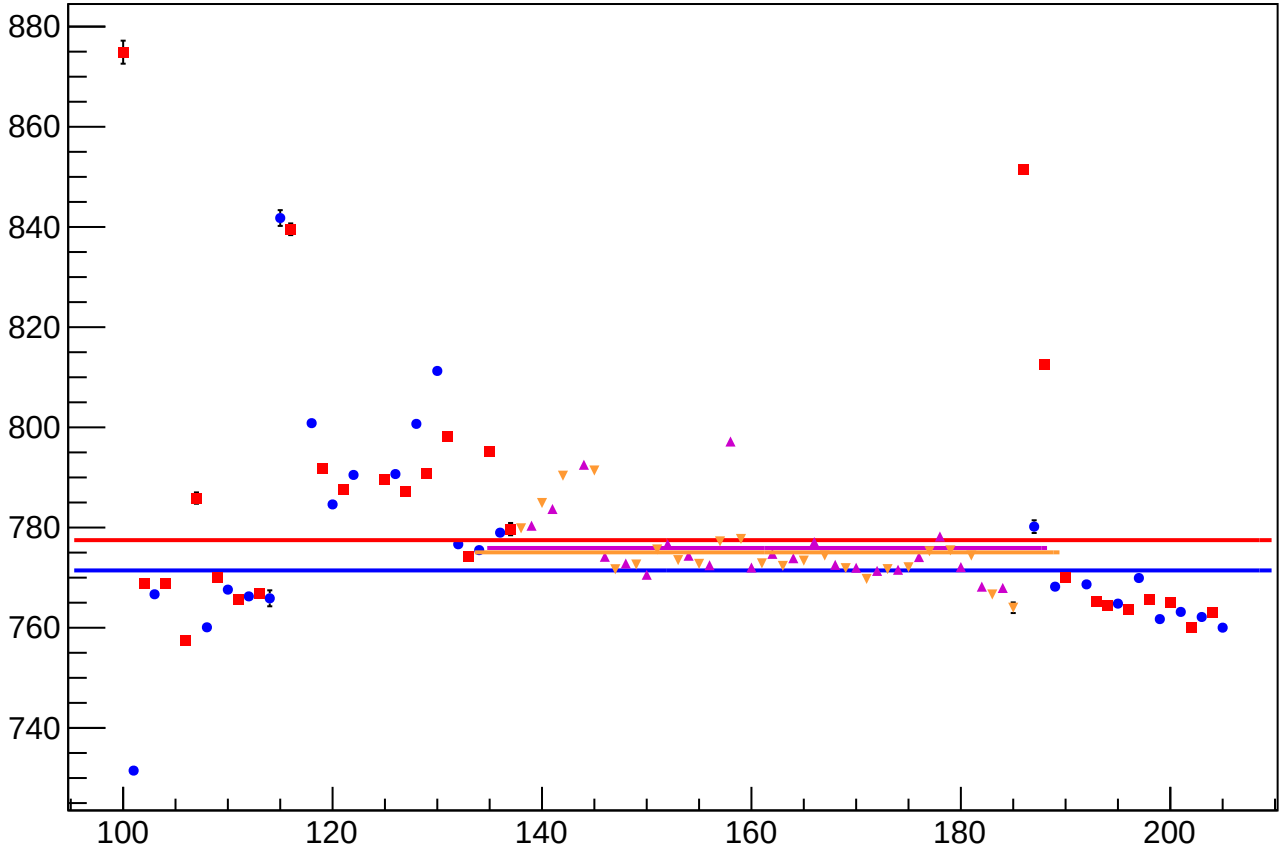
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.285+/-135.316 χ^2/NDF: 31.3/48

All: -96.198+/-95.345 χ^2/NDF: 72.0/99

- sign 55.732+/-134.365 χ^2/NDF: 38.1/50

eigen_cor_asym_us_dd_rms vs Slug



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

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

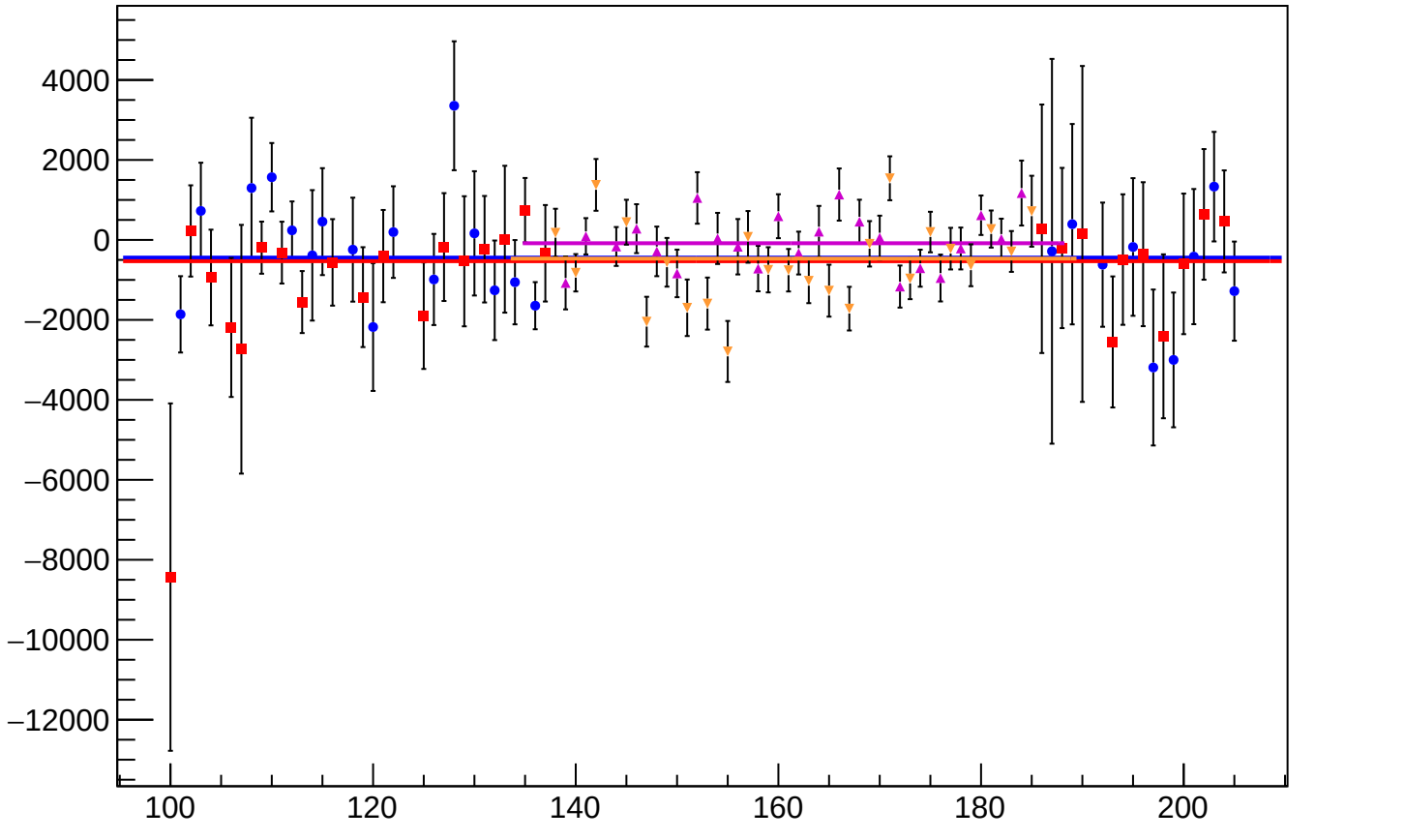
Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

+ sign 773.483+/-0.096 χ^2/NDF: 16654.2/48

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

- sign 776.625+/-0.095 χ^2/NDF: 24937.5/50



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

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

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

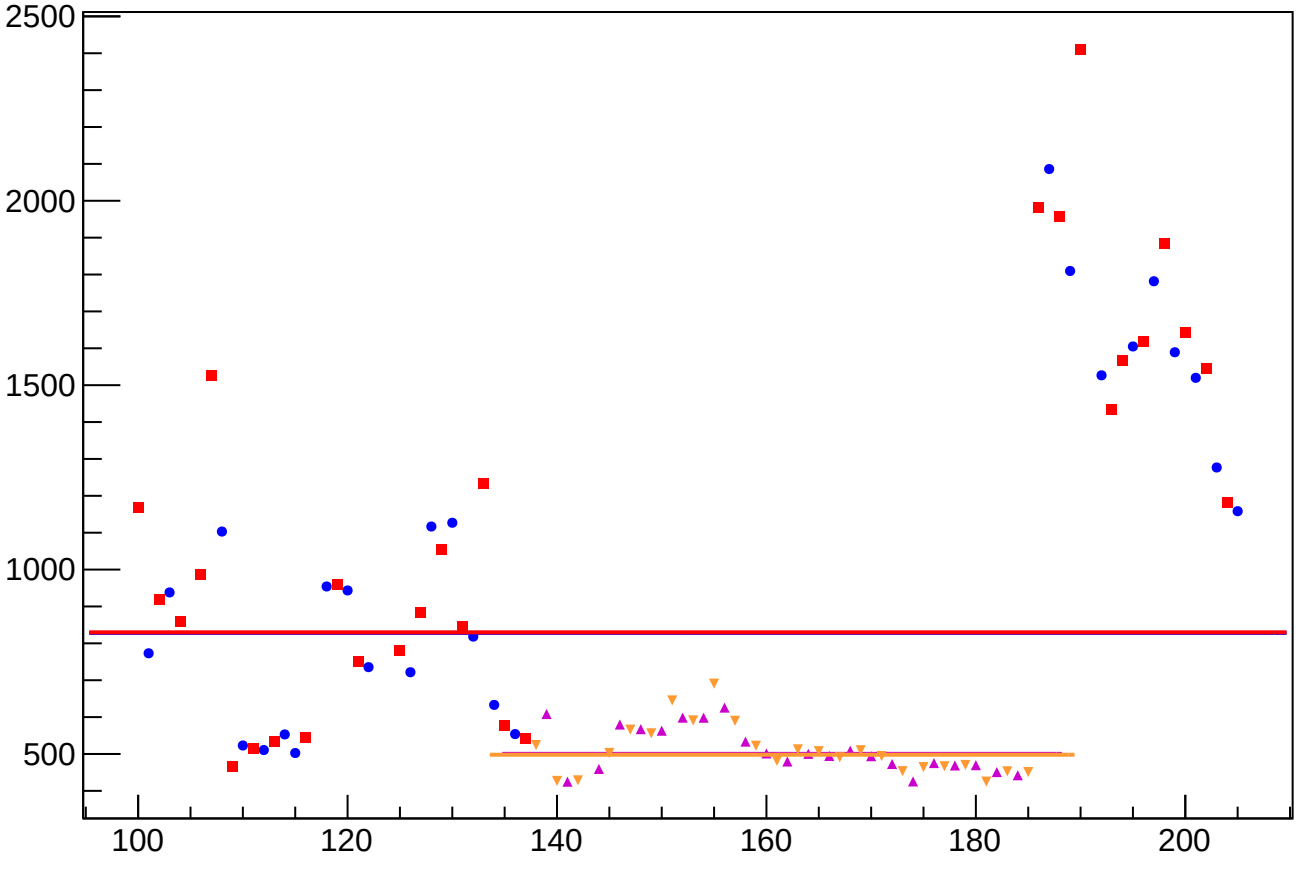
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -462.453+/-105.075 χ^2/NDF: 94.4/48

All: -317.448+/-74.513 χ^2/NDF: 144.5/99

\- sign -170.764+/-105.681 χ^2/NDF: 46.2/50

asym_us_dd_eigen_cor_correction_rms vs Slug



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

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

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

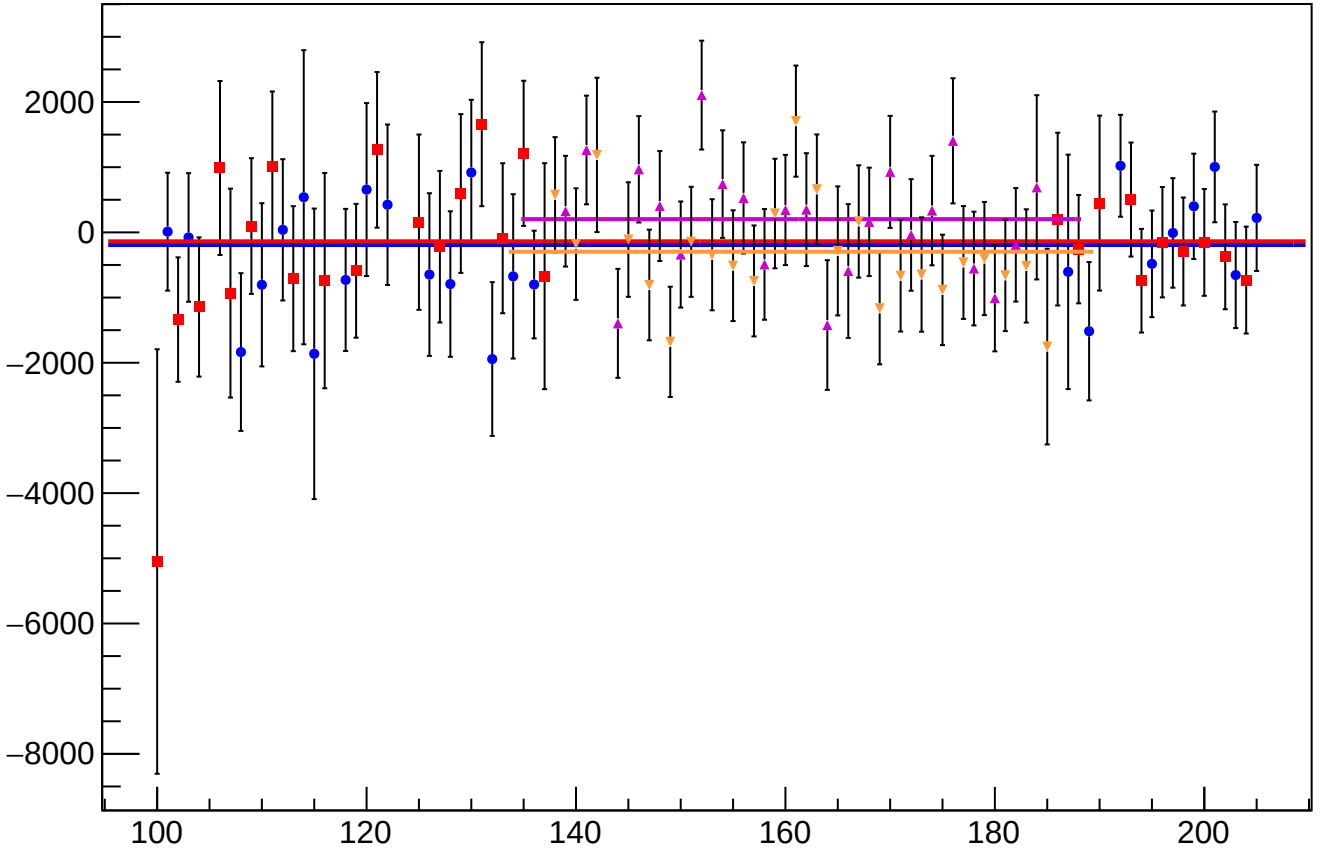
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 560.560+/-0.074 χ^2/NDF: 7982496.4/48

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

- sign 564.649+/-0.075 χ^2/NDF: 9283713.8/50

dit_asym_us_dd_mean vs Slug



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

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

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

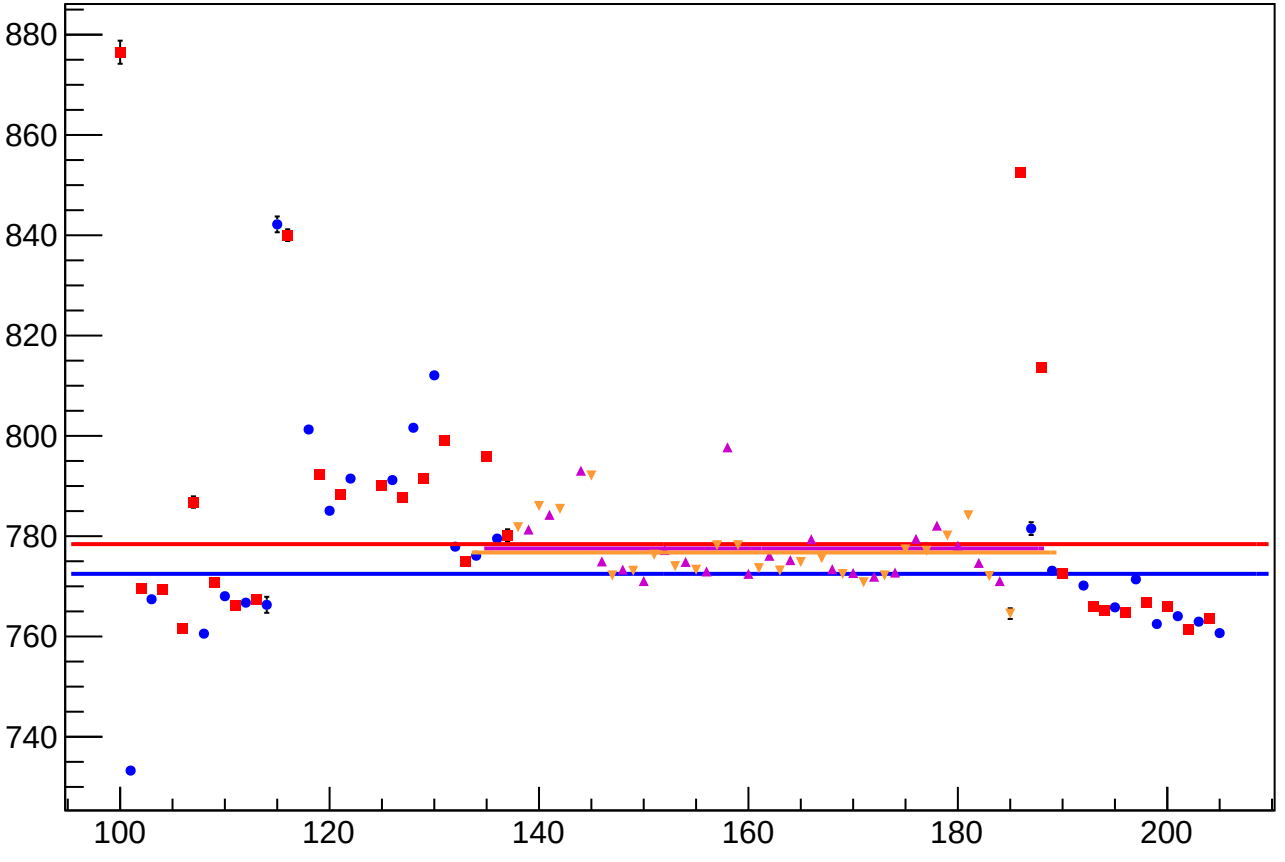
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -252.038+/-135.566 χ^2/NDF: 32.2/48

All: -99.879+/-95.513 χ^2/NDF: 73.2/99

- sign 50.100+/-134.592 χ^2/NDF: 38.5/50

dit_asym_us_dd_rms vs Slug



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

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

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

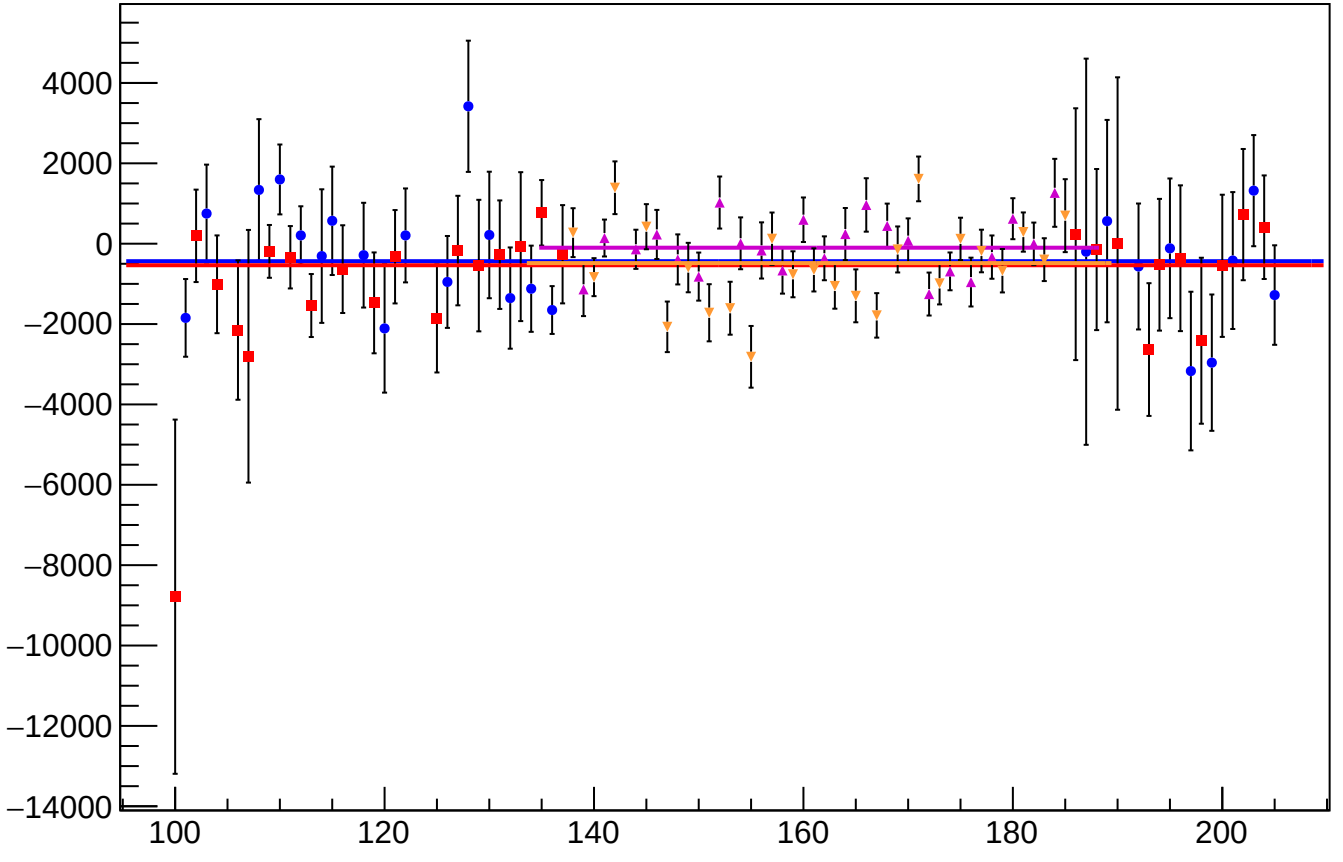
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 774.899+/-0.096 χ^2/NDF: 16364.4/48

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

- sign 777.939+/-0.095 χ^2/NDF: 24441.9/50

asym_us_dd_dit_correction_mean vs Slug



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

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

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

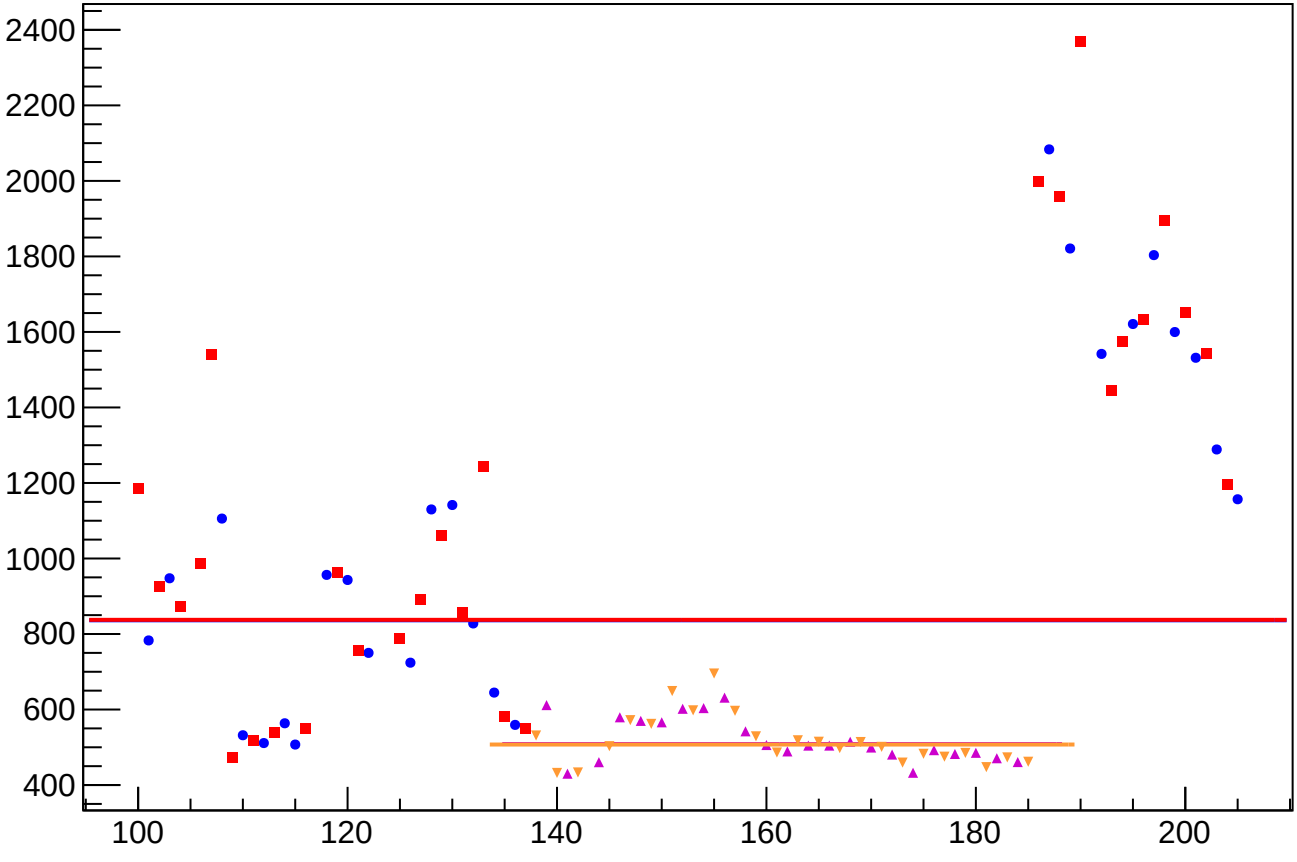
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -473.774+/-106.784 χ^2/NDF: 94.9/48

All: -330.550+/-75.655 χ^2/NDF: 144.0/99

- sign -186.200+/-107.203 χ^2/NDF: 45.5/50

asym_us_dd_dit_correction_rms vs Slug



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

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

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

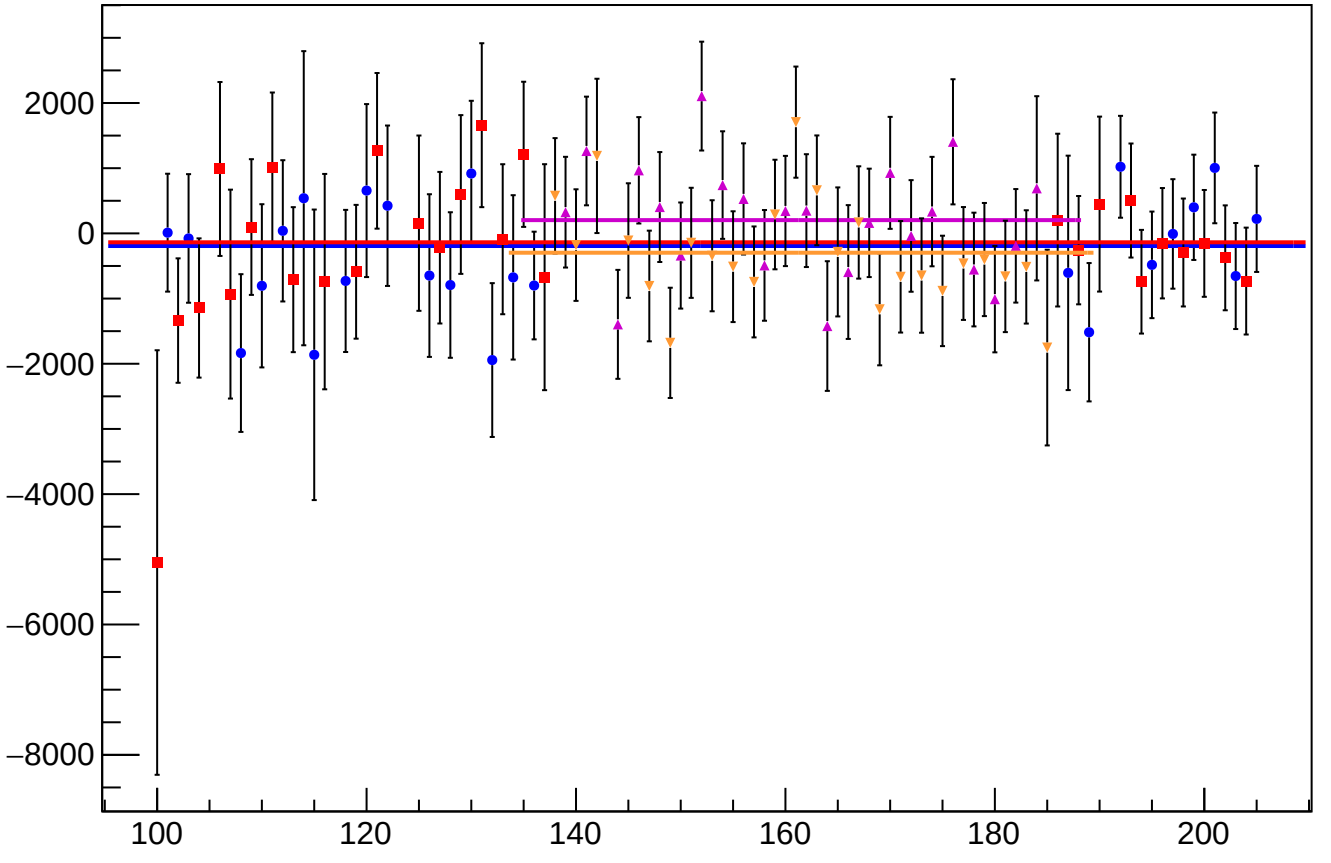
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 570.534+/-0.076 χ^2/NDF: 7825356.7/48

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

- sign 573.629+/-0.076 χ^2/NDF: 9129860.2/50

eigen_dit_asym_us_dd_mean vs Slug



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

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

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

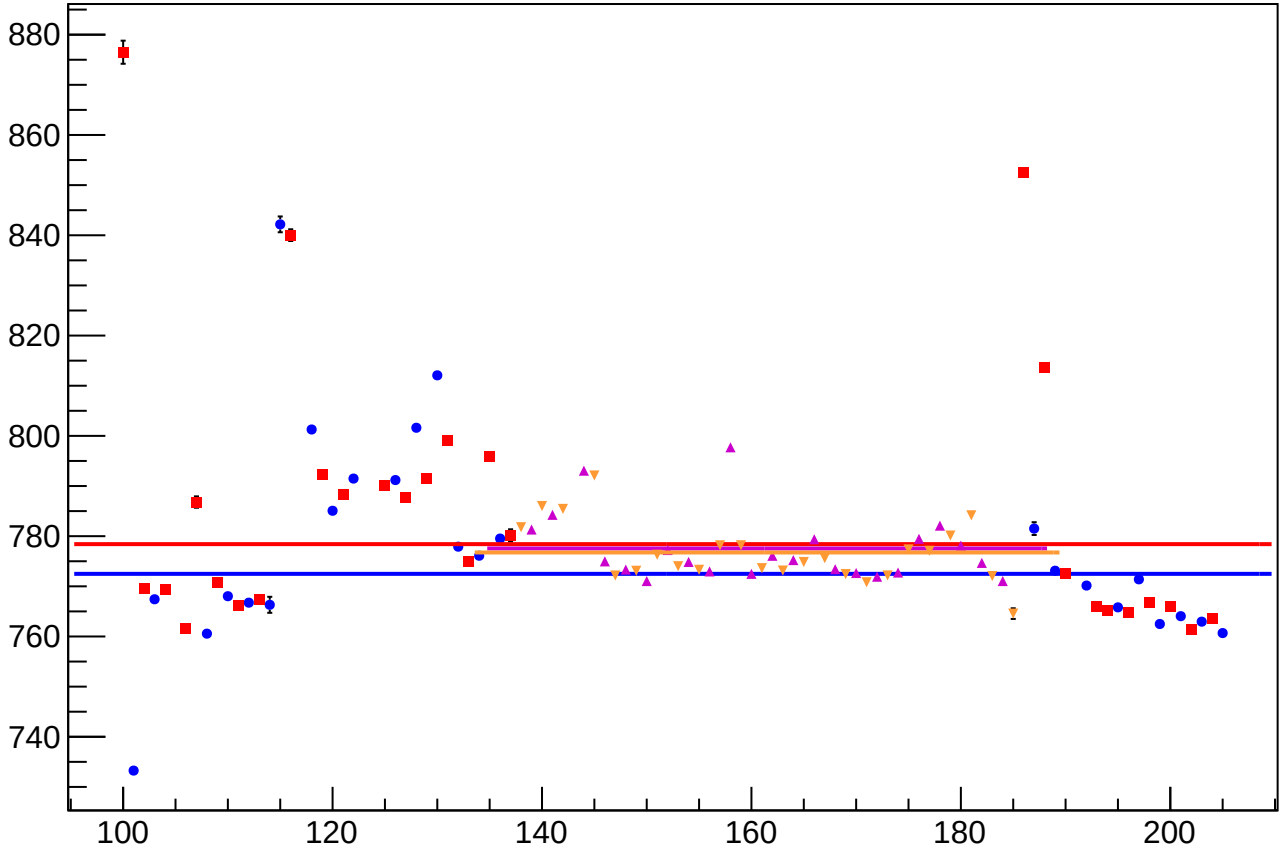
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -252.038+/-135.566 χ^2/NDF: 32.2/48

All: -99.880+/-95.513 χ^2/NDF: 73.2/99

- sign 50.100+/-134.592 χ^2/NDF: 38.5/50

eigen_dit_asym_us_dd_rms vs Slug



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

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

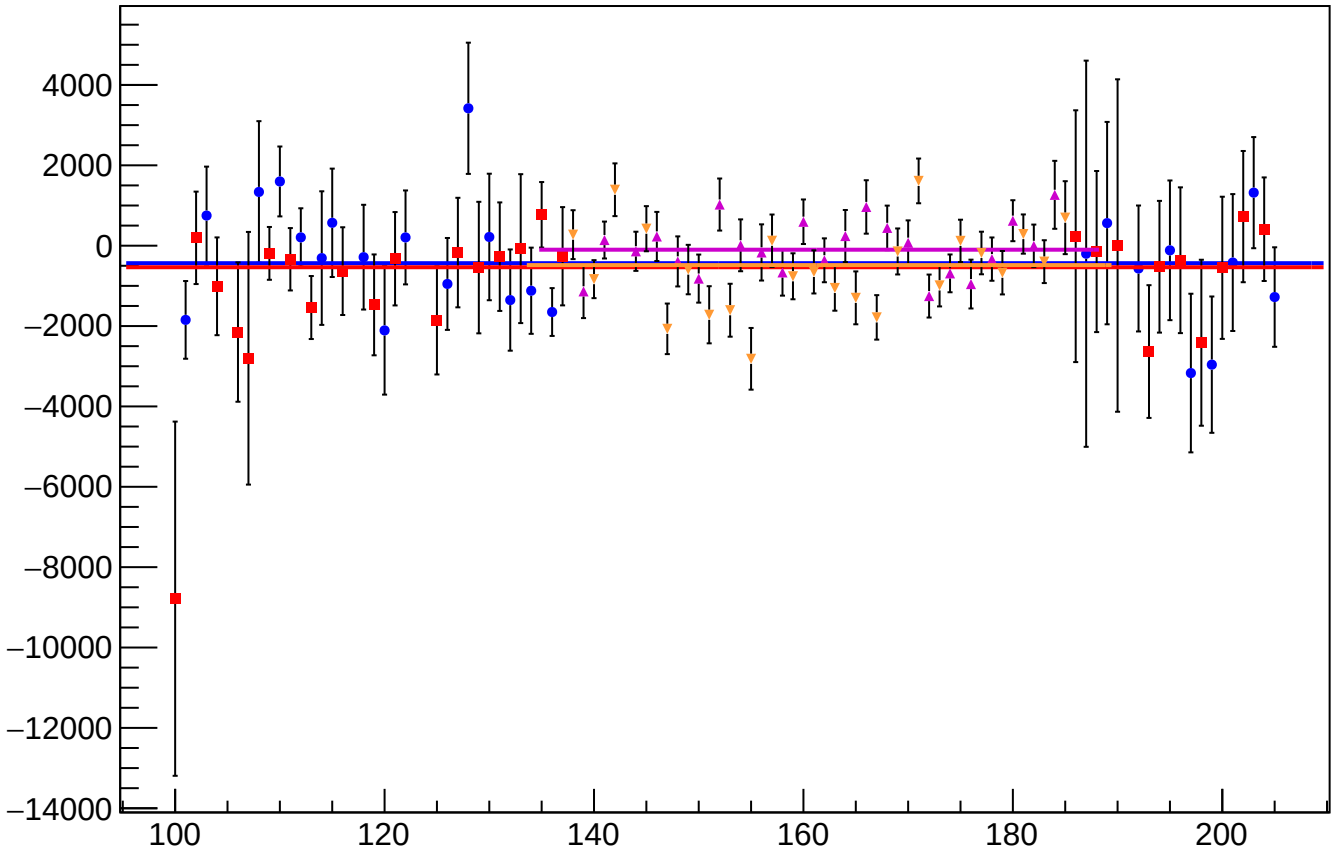
Right Out: 778.414+/-0.142 χ^2/NDF: 21670.7/27

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

+ sign 774.899+/-0.096 χ^2/NDF: 16364.3/48

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

- sign 777.939+/-0.095 χ^2/NDF: 24441.9/50



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

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

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

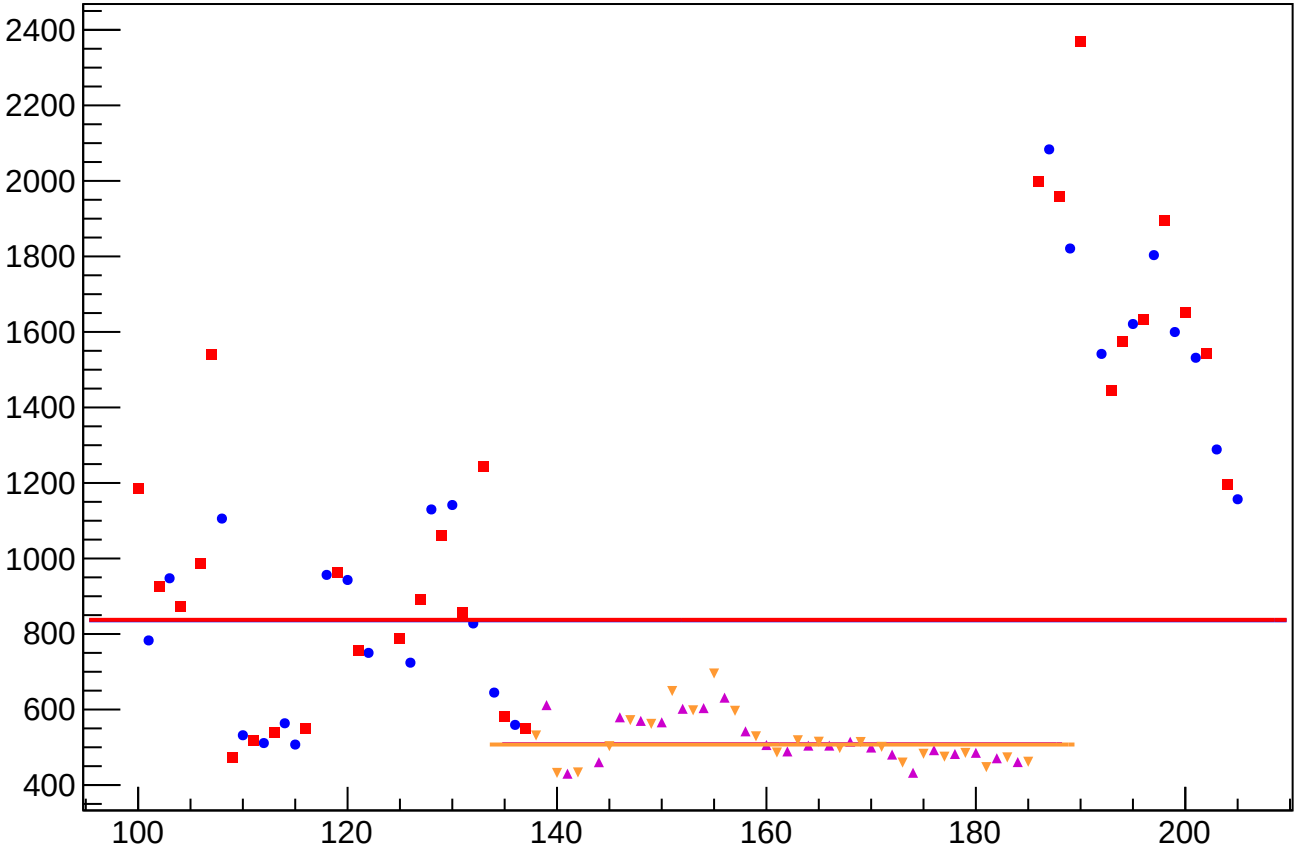
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -473.773+/-106.784 χ^2/NDF: 94.9/48

All: -330.550+/-75.655 χ^2/NDF: 144.0/99

- sign -186.201+/-107.203 χ^2/NDF: 45.5/50

asym_us_dd_eigen_dit_correction_rms vs Slug



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

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

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

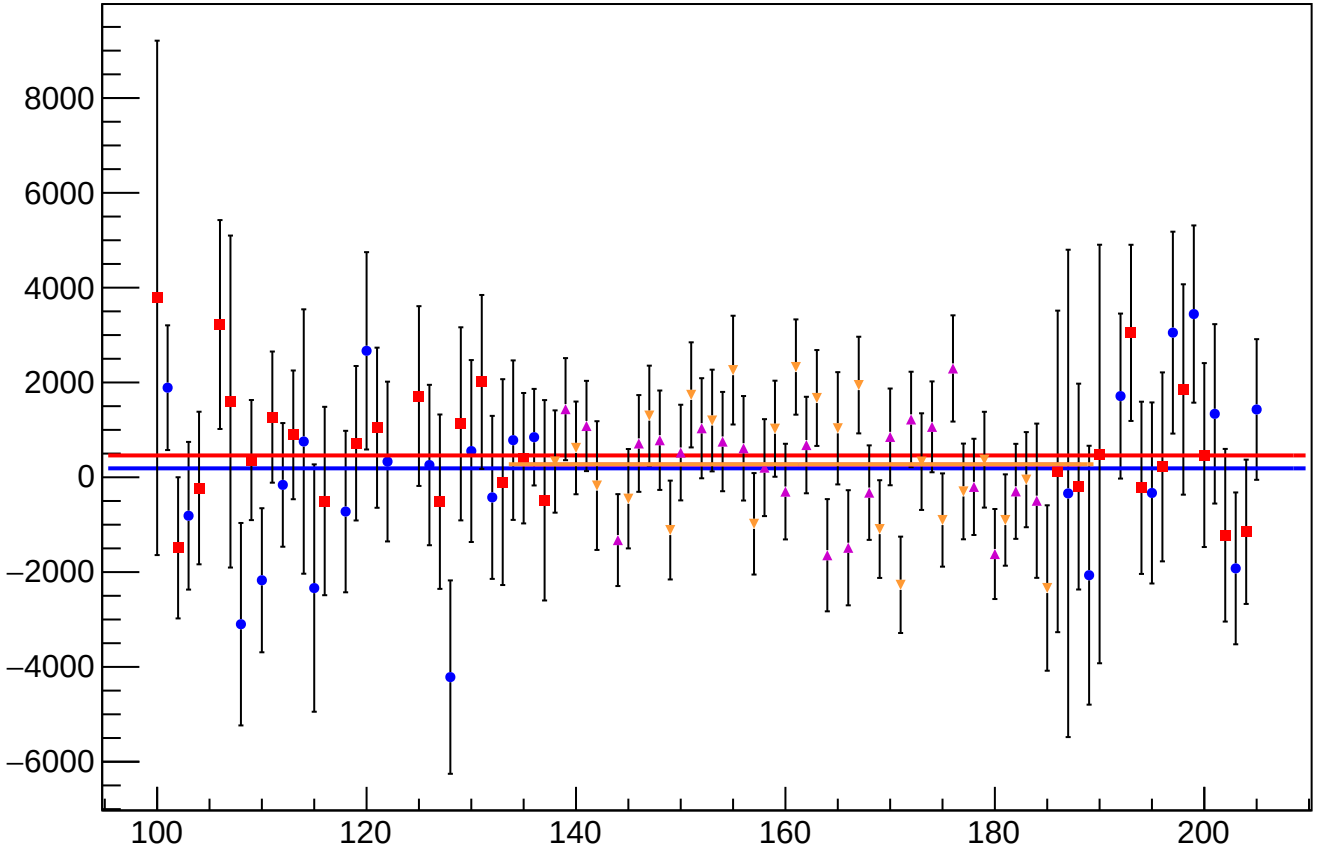
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 570.534+/-0.076 χ^2/NDF: 7825361.5/48

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

- sign 573.628+/-0.076 χ^2/NDF: 9129880.5/50

asym_us_dd_mean vs Slug



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

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

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

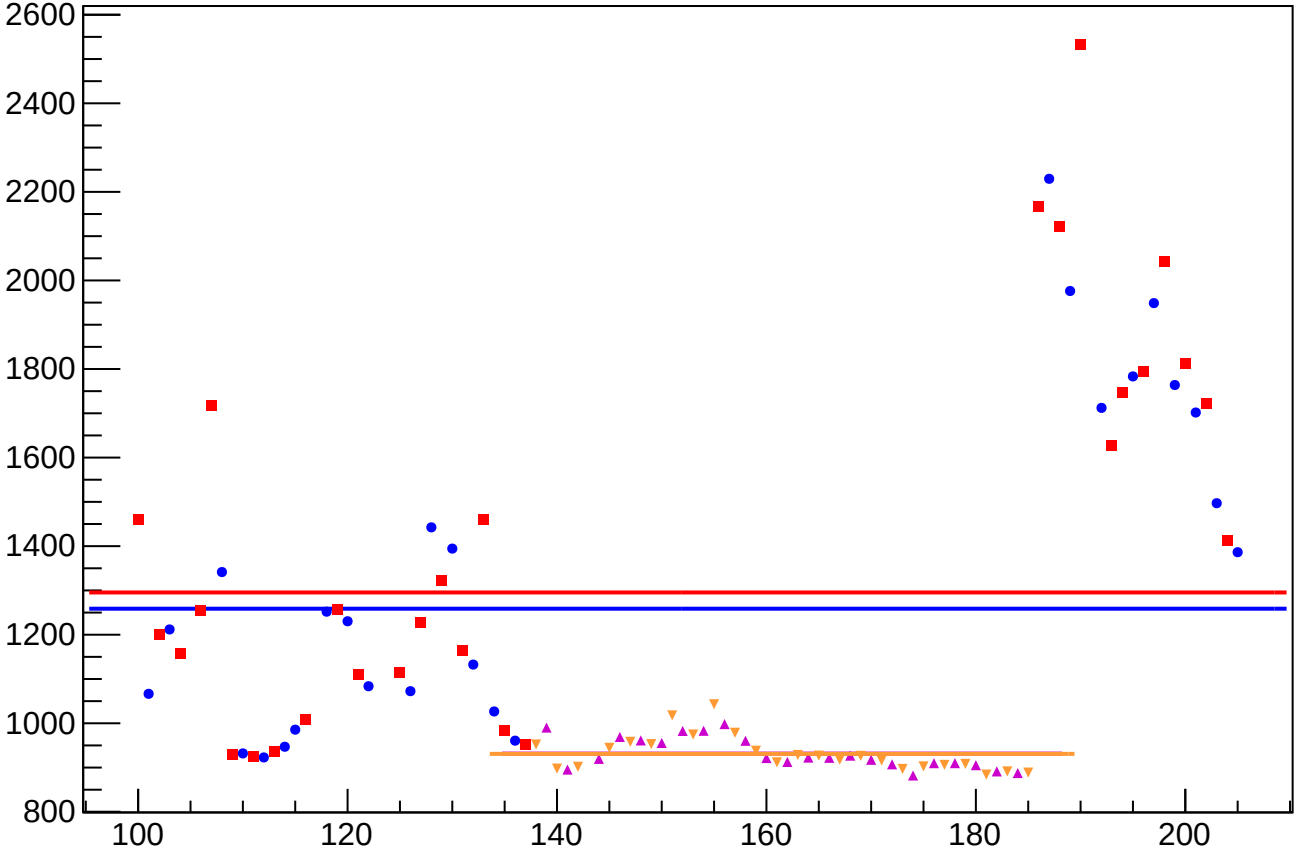
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 250.789+/-183.393 χ^2/NDF: 57.9/48

All: 286.088+/-130.039 χ^2/NDF: 90.7/99

- sign 321.782+/-184.417 χ^2/NDF: 32.7/50

asym_us_dd_rms vs Slug



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

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

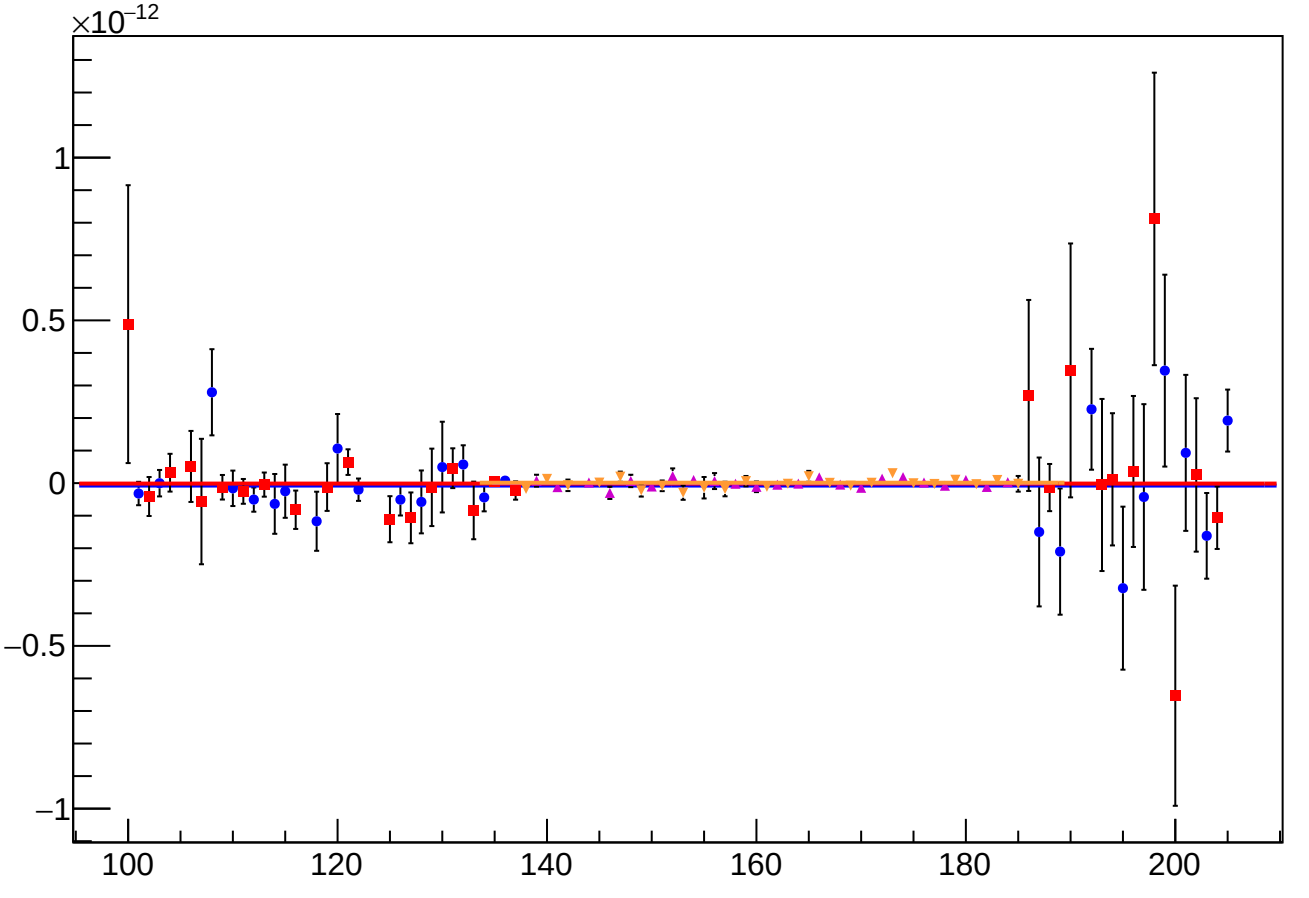
Right Out: 1295.421+/-0.245 χ^2/NDF: 2153352.4/27

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

+ sign 1023.057+/-0.130 χ^2/NDF: 2985978.6/48

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

- sign 1034.279+/-0.130 χ^2/NDF: 3779685.5/50



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

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

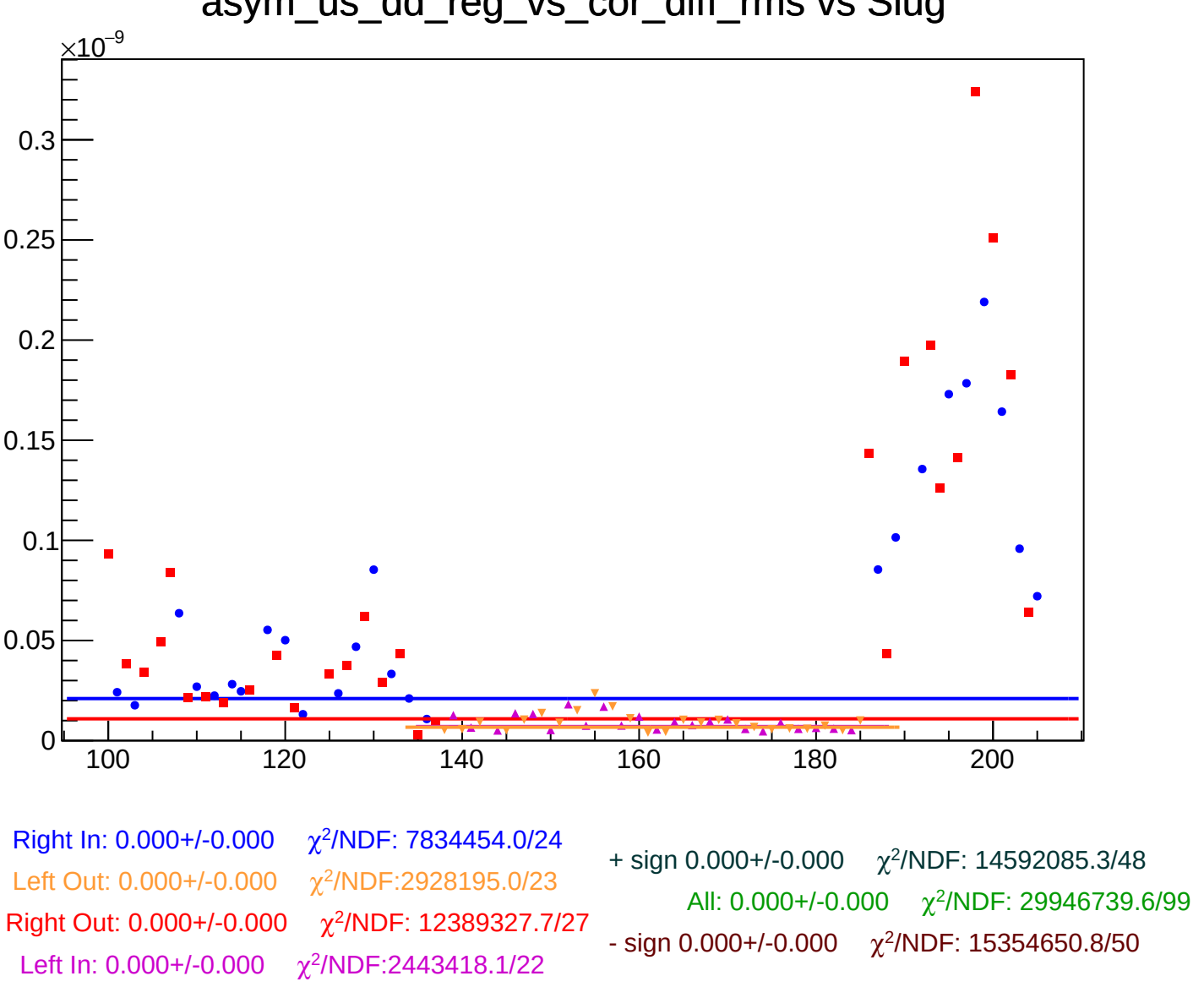
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/27

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

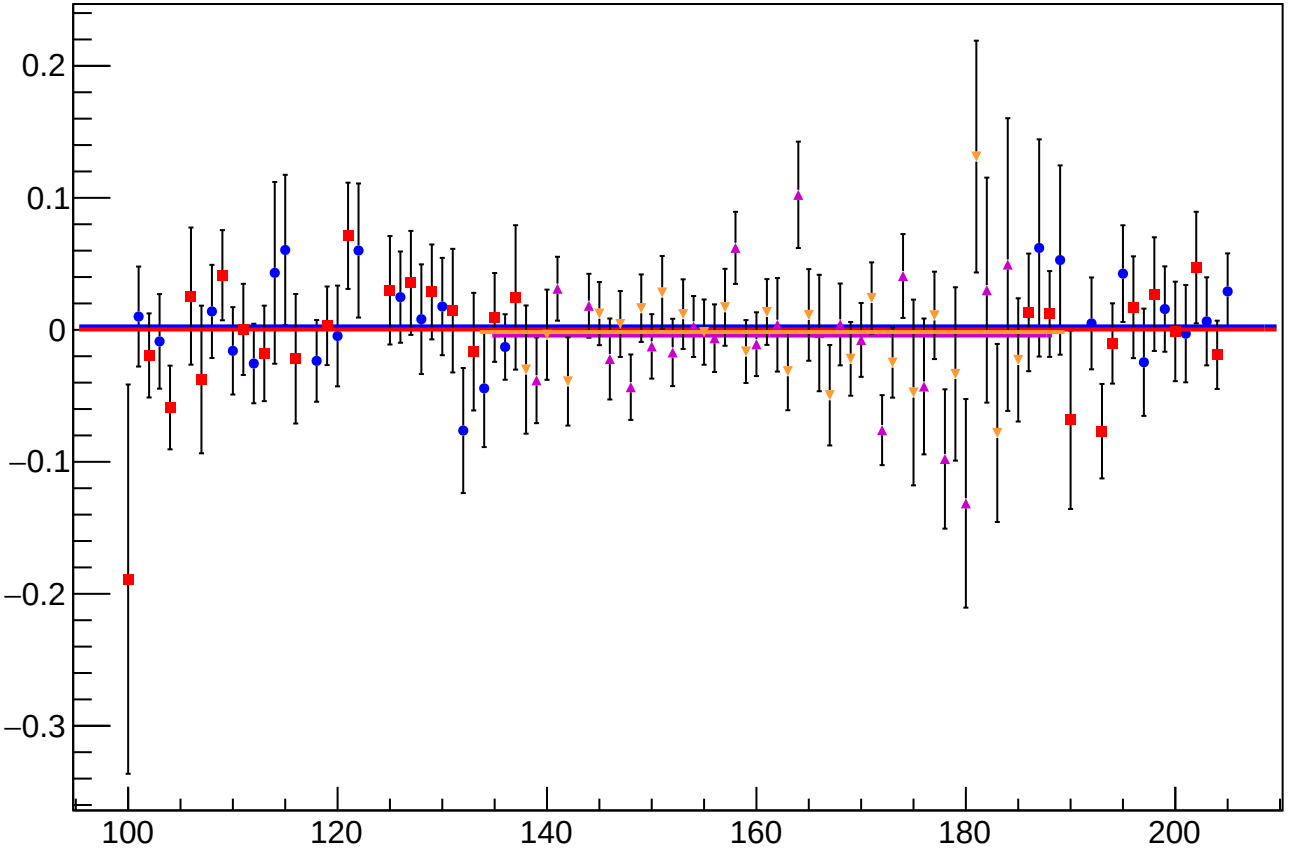
+ sign 0.000+/-0.000 χ^2/NDF: 52.3/48

All: 0.000+/-0.000 χ^2/NDF: 98.7/99

- sign 0.000+/-0.000 χ^2/NDF: 46.4/50


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7834454.0/24
Left Out: 0.000+/-0.000 χ²/NDF:2928195.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 12389327.7/27
Left In: 0.000+/-0.000 χ²/NDF:2443418.1/22
+ sign 0.000+/-0.000 χ²/NDF: 14592085.3/48
All: 0.000+/-0.000 χ²/NDF: 29946739.6/99
- sign 0.000+/-0.000 χ²/NDF: 15354650.8/50

asym_us_dd_dit_vs_cor_diff_mean vs Slug



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

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

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

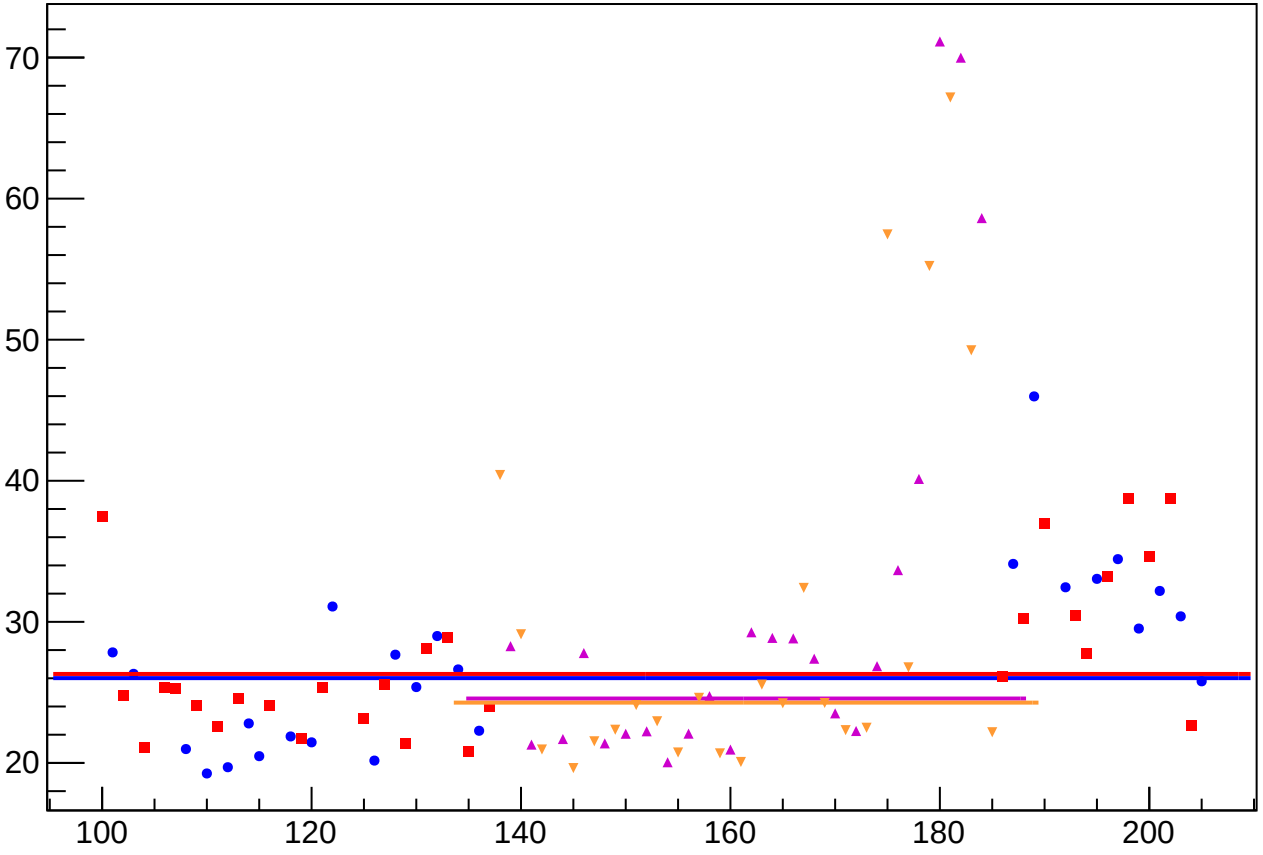
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign 0.000+/-0.005 χ^2/NDF: 28.2/48

All: -0.001+/-0.003 χ^2/NDF: 87.1/99

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50

asym_us_dd_dit_vs_cor_diff_rms vs Slug



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

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

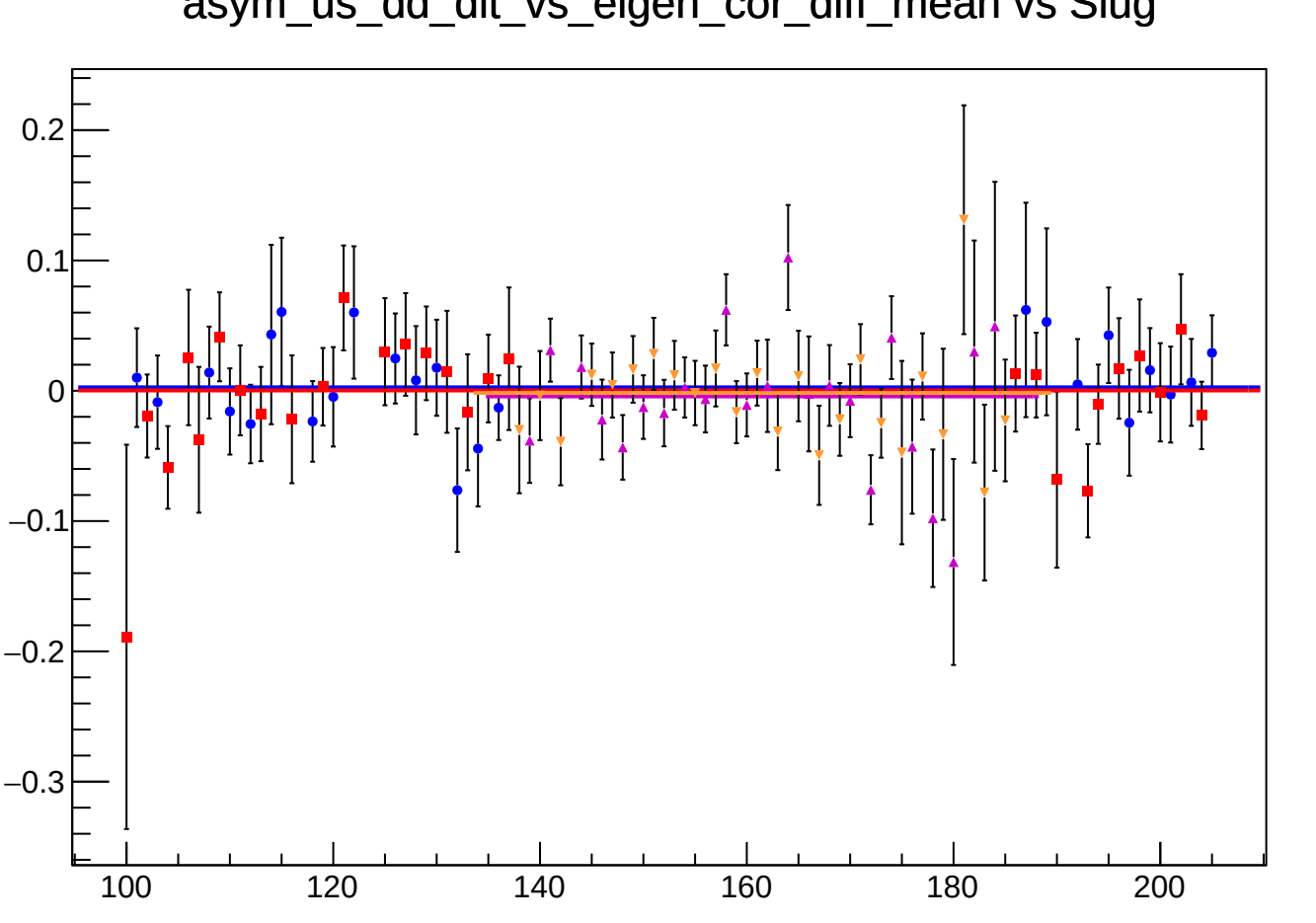
Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

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

+ sign 25.003+/-0.003 χ^2/NDF: 3329592.2/48

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

- sign 25.326+/-0.003 χ^2/NDF: 3128750.3/50



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

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

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

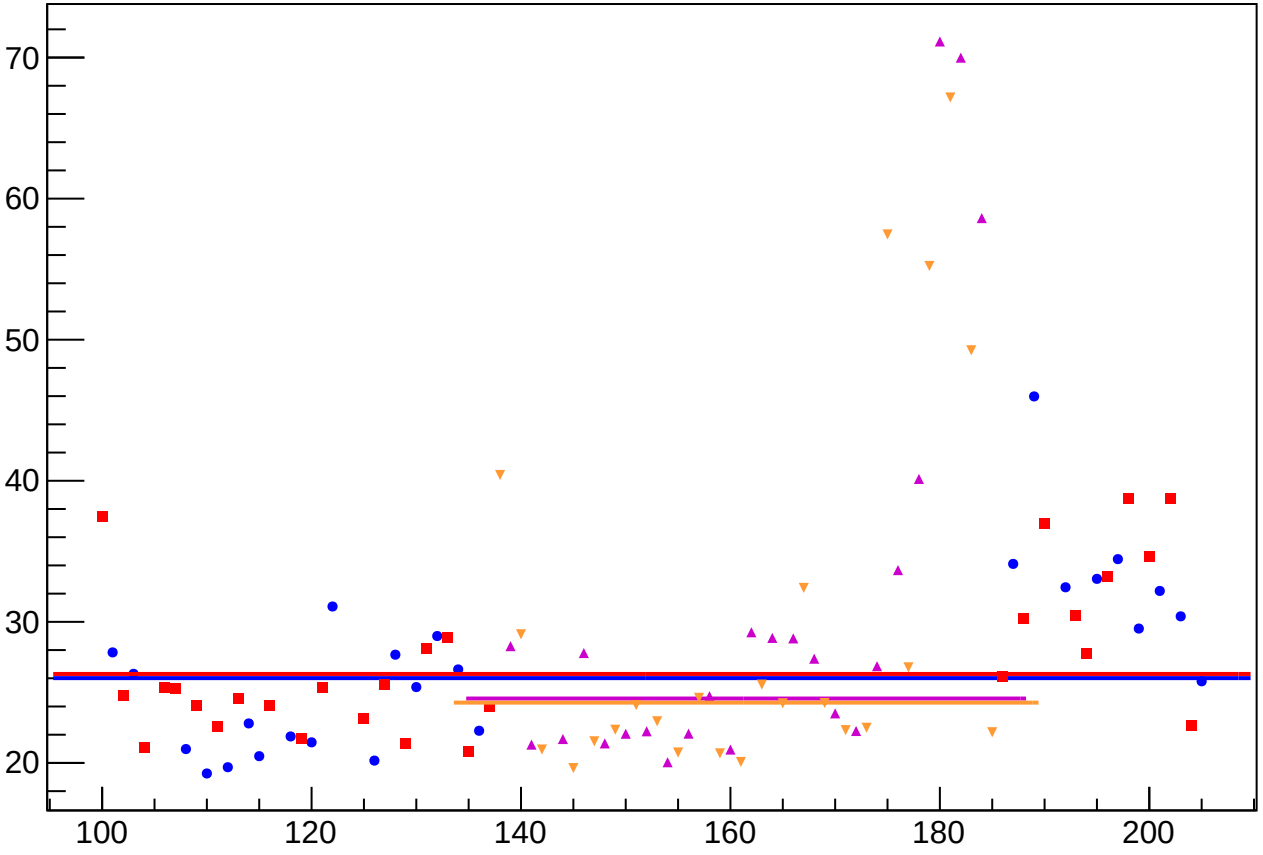
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign 0.000+/-0.005 χ^2/NDF: 28.2/48

All: -0.001+/-0.003 χ^2/NDF: 87.1/99

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



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

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

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

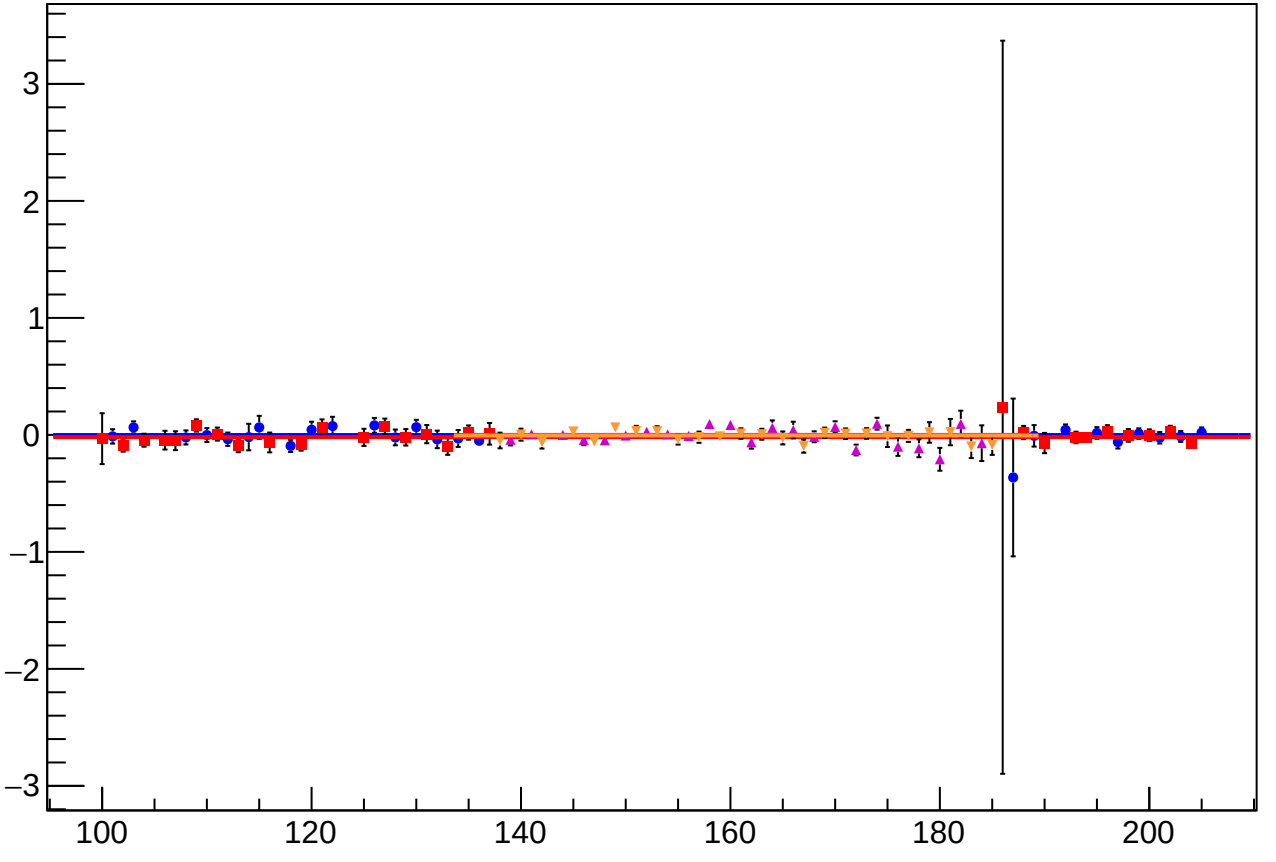
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 25.003+/-0.003 χ^2/NDF: 3329592.2/48

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

- sign 25.326+/-0.003 χ^2/NDF: 3128750.3/50

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



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

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

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

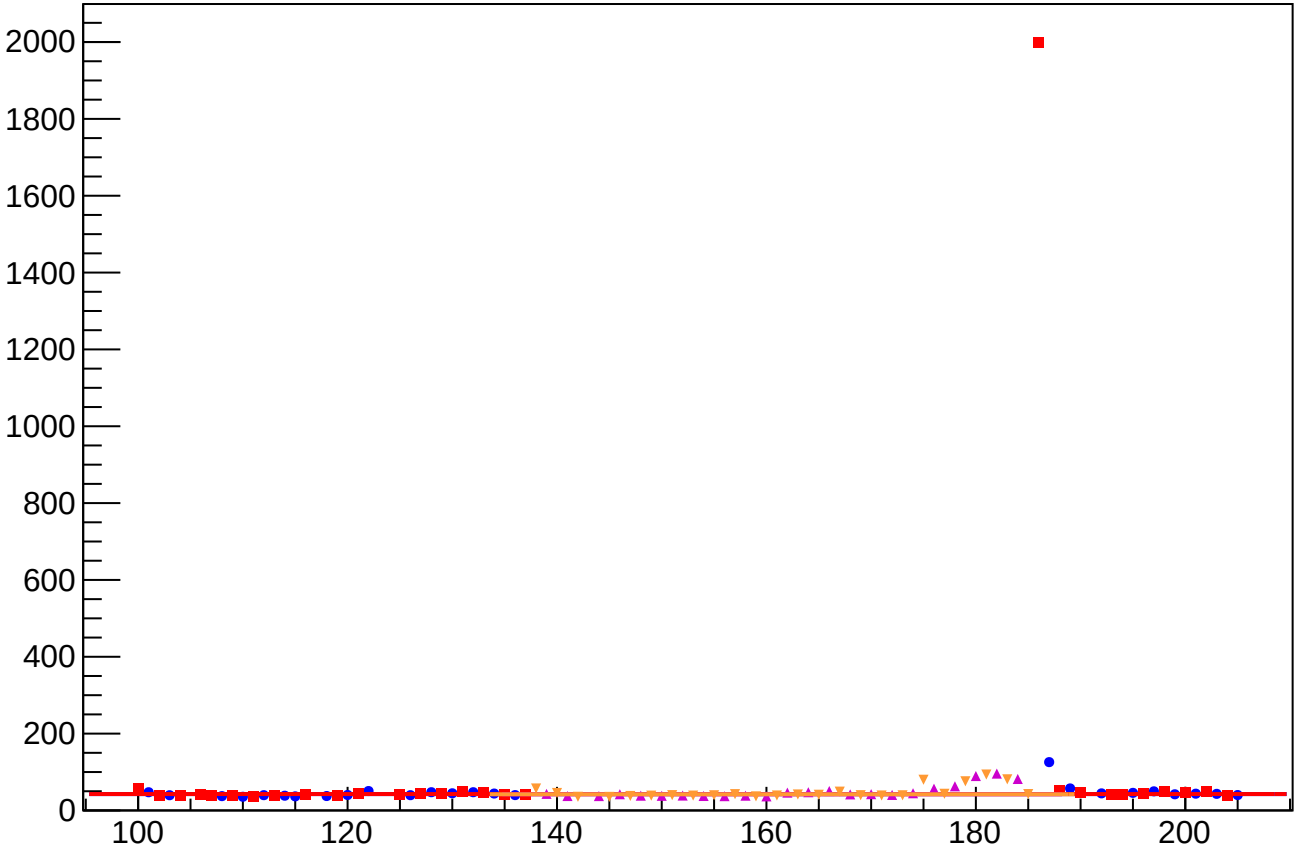
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 28.7/48

All: -0.006+/-0.005 χ^2/NDF: 88.3/99

- sign -0.009+/-0.008 χ^2/NDF: 59.4/50

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



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

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

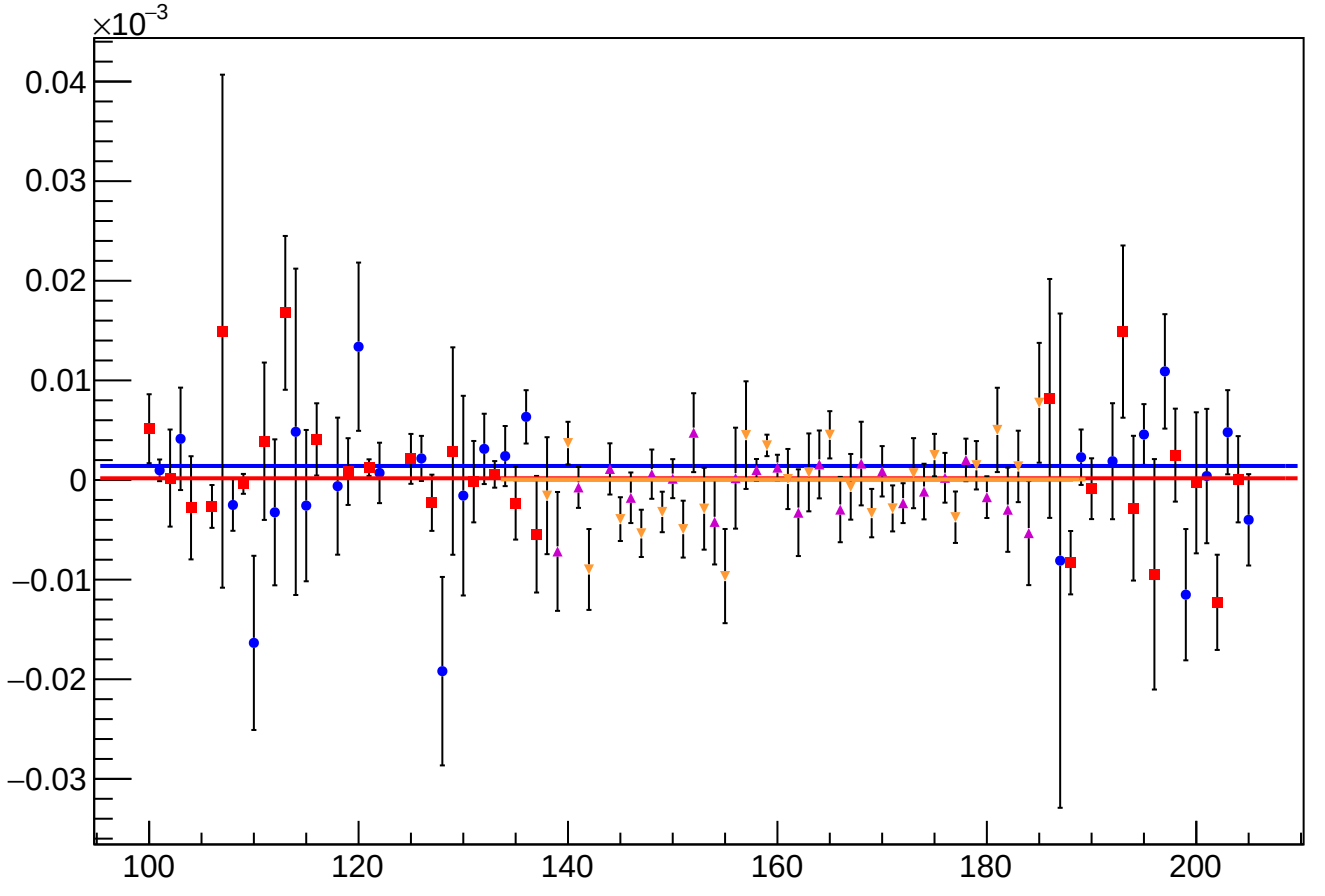
Right Out: 42.697+/-0.008 χ^2/NDF: 1045495.5/27

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

+ sign 42.317+/-0.006 χ^2/NDF: 2002474.4/48

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

- sign 42.357+/-0.005 χ^2/NDF: 2592199.0/50



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

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

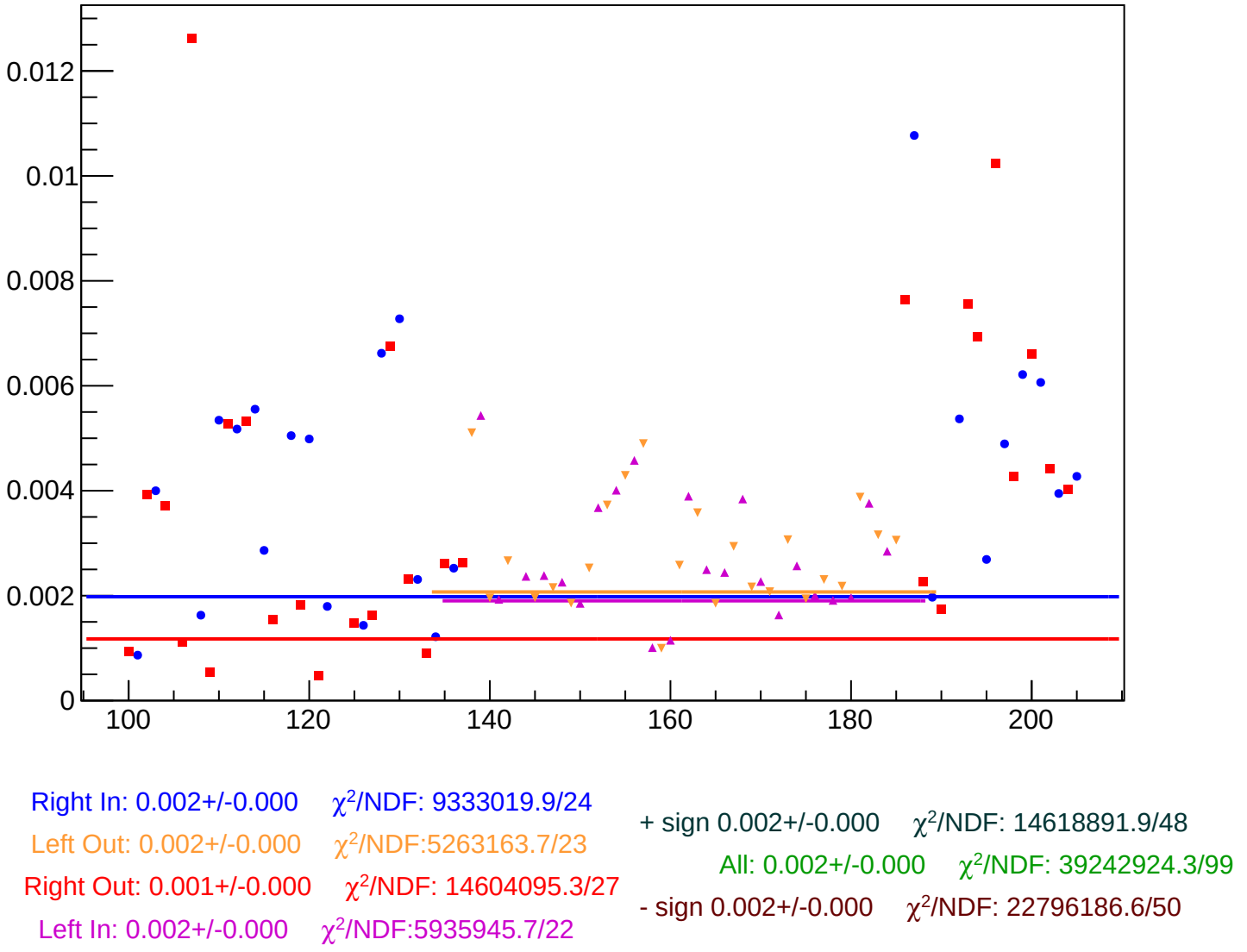
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/27

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

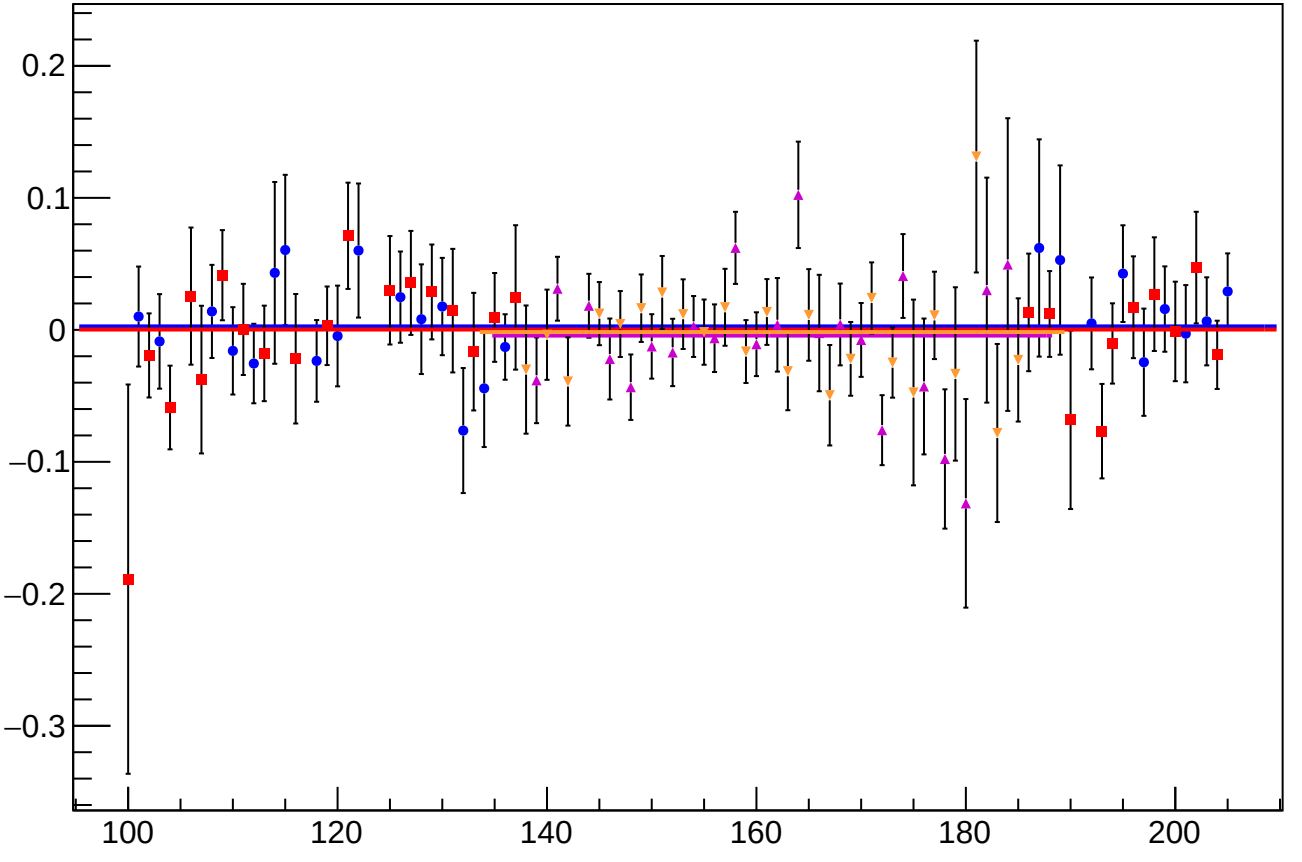
+ sign 0.000+/-0.000 χ^2/NDF: 82.5/48

All: 0.000+/-0.000 χ^2/NDF: 130.1/99

- sign 0.000+/-0.000 χ^2/NDF: 46.9/50


asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 9333019.9/24
Left Out: 0.002+/-0.000 χ²/NDF:5263163.7/23
Right Out: 0.001+/-0.000 χ²/NDF: 14604095.3/27
Left In: 0.002+/-0.000 χ²/NDF:5935945.7/22
+ sign 0.002+/-0.000 χ²/NDF: 14618891.9/48
All: 0.002+/-0.000 χ²/NDF: 39242924.3/99
- sign 0.002+/-0.000 χ²/NDF: 22796186.6/50

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



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

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

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

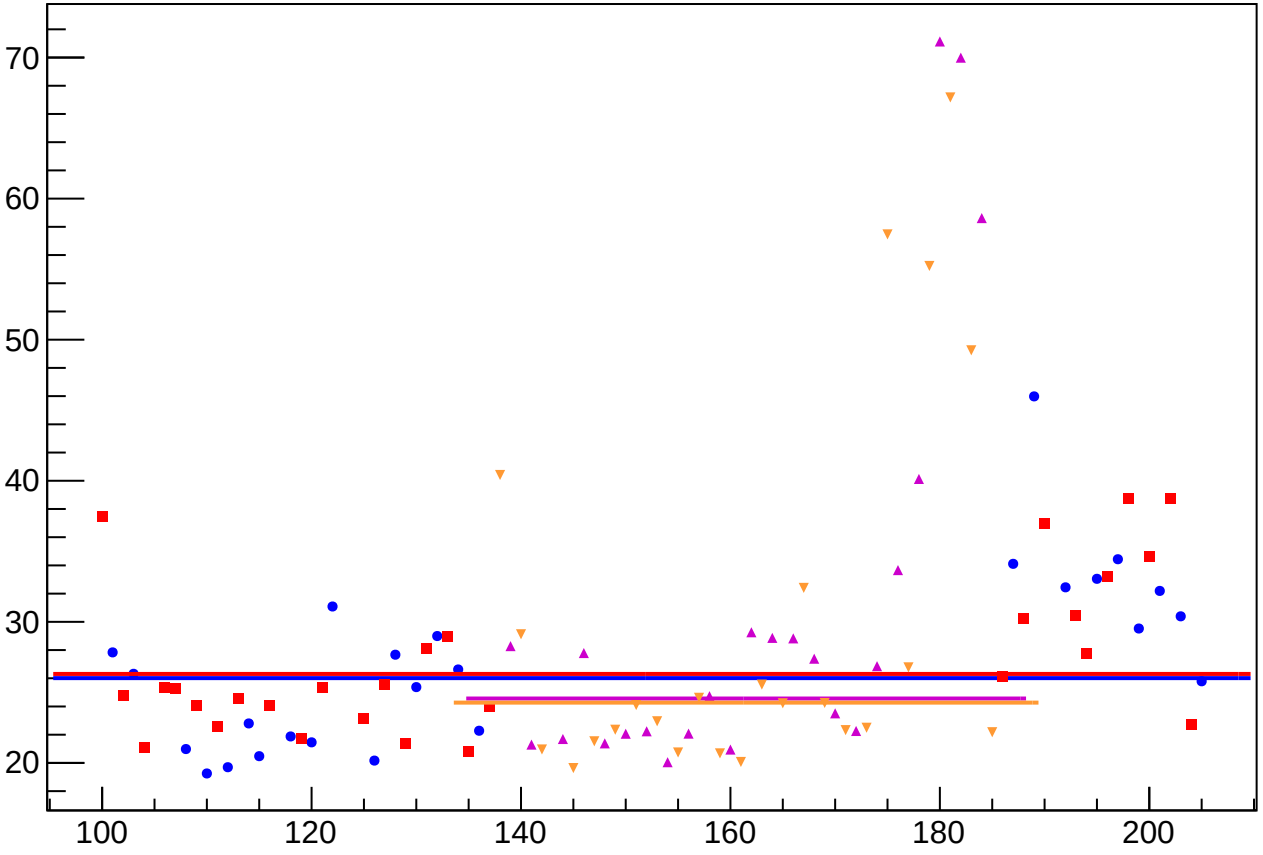
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign 0.000+/-0.005 χ^2/NDF: 28.2/48

All: -0.001+/-0.003 χ^2/NDF: 87.1/99

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



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

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

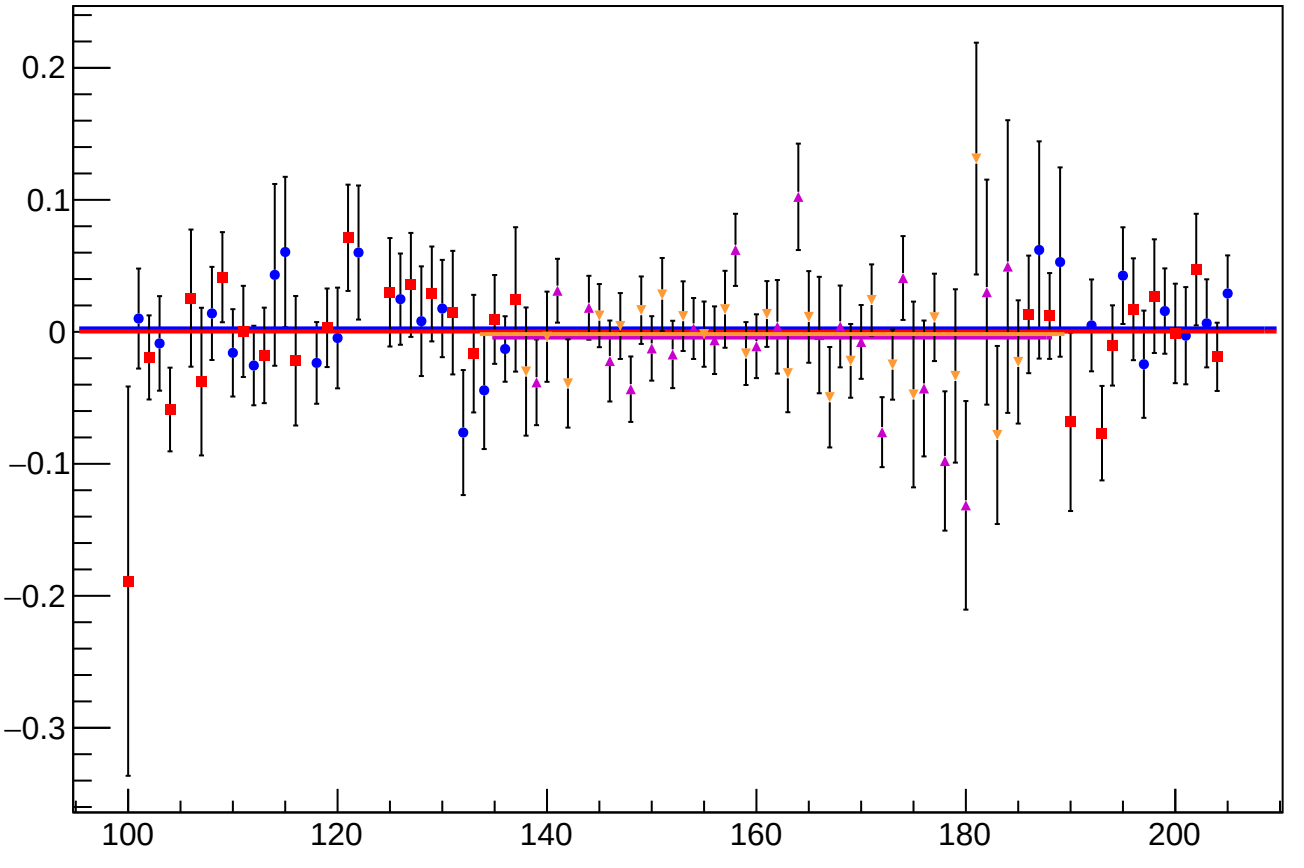
Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

+ sign 25.003+/-0.003 χ^2/NDF: 3329556.5/48

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

- sign 25.327+/-0.003 χ^2/NDF: 3128522.8/50



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

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

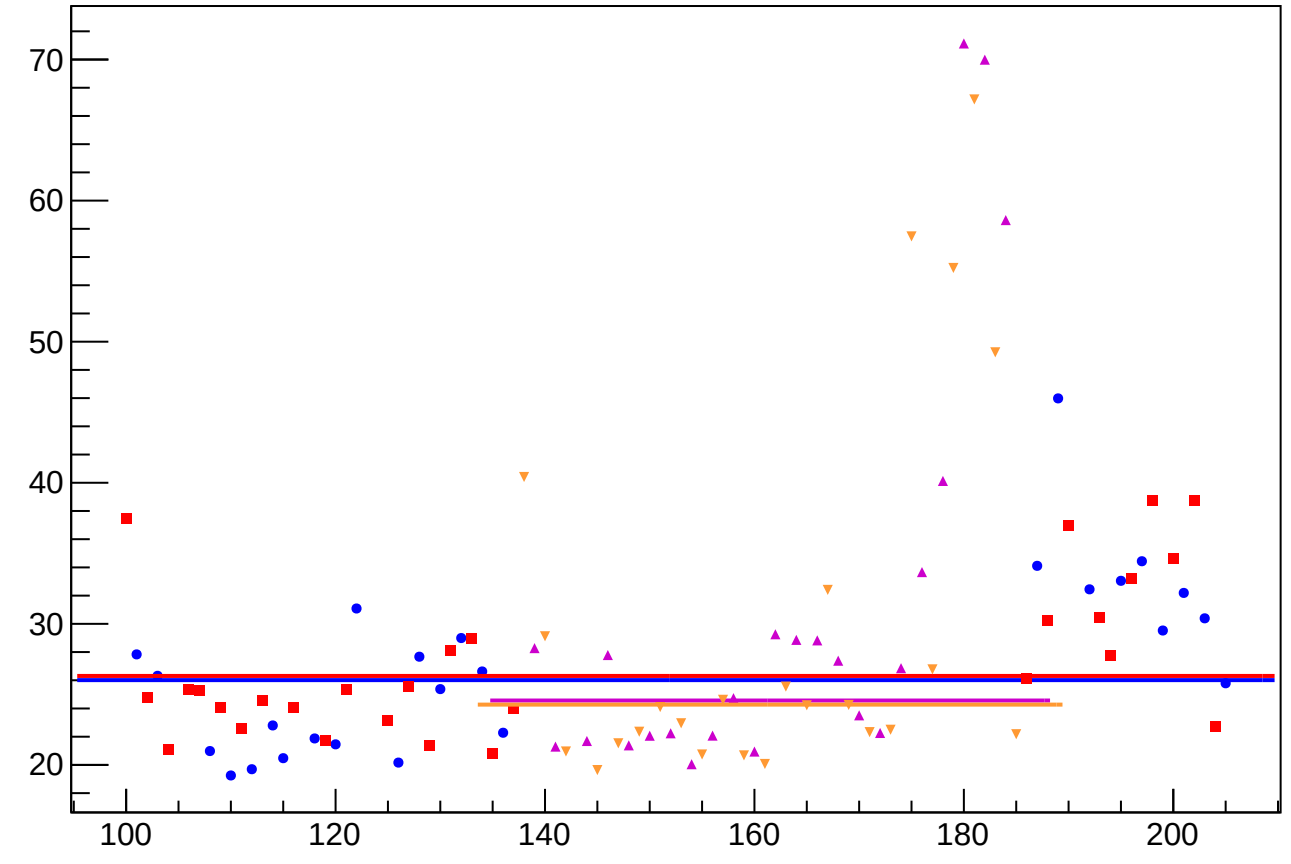
Right Out: 0.000+/-0.007 χ^2/NDF: 22.0/27

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

+ sign 0.000+/-0.005 χ^2/NDF: 28.2/48

All: -0.001+/-0.003 χ^2/NDF: 87.1/99

- sign -0.002+/-0.005 χ^2/NDF: 58.8/50



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

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

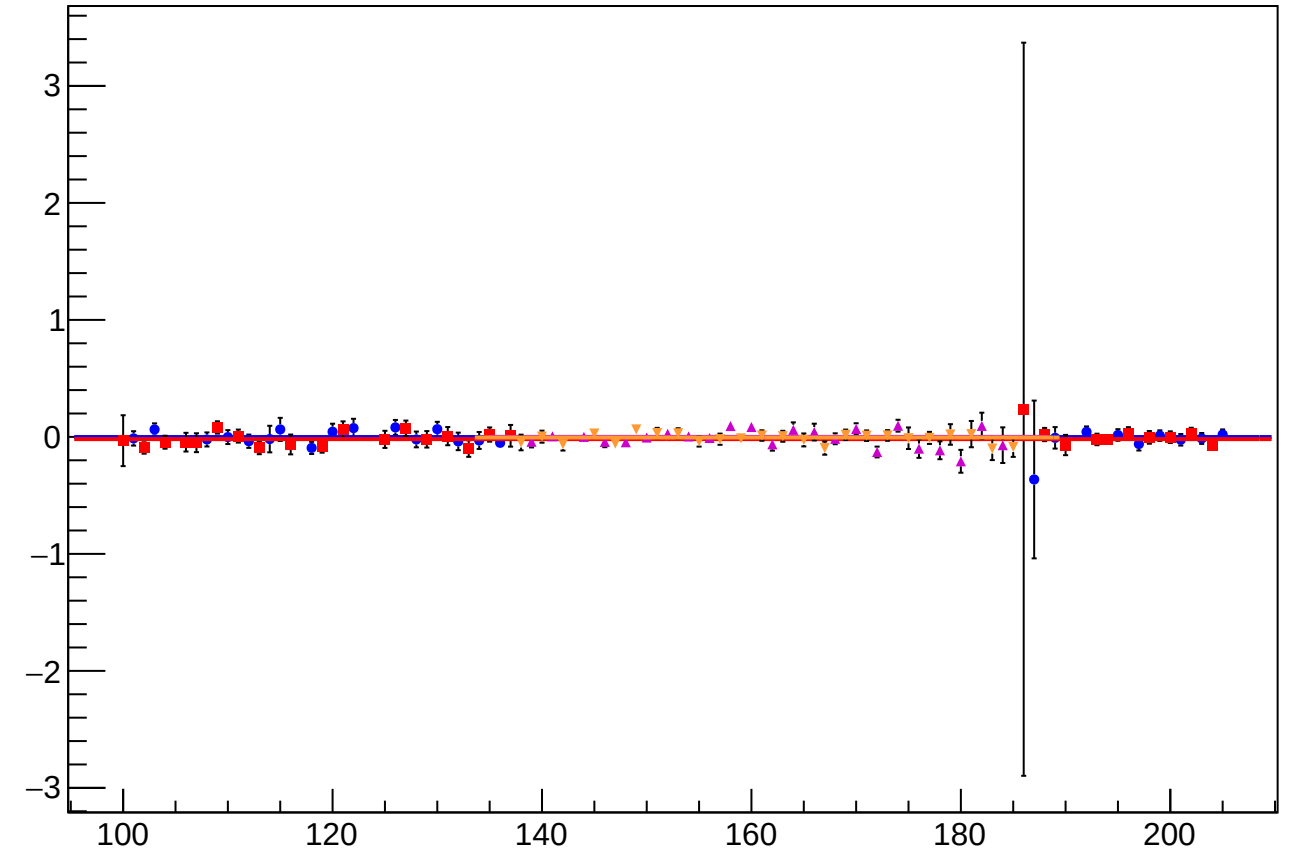
Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

+ sign 25.003+/-0.003 χ^2/NDF: 3329556.5/48

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

- sign 25.327+/-0.003 χ^2/NDF: 3128522.8/50



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

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

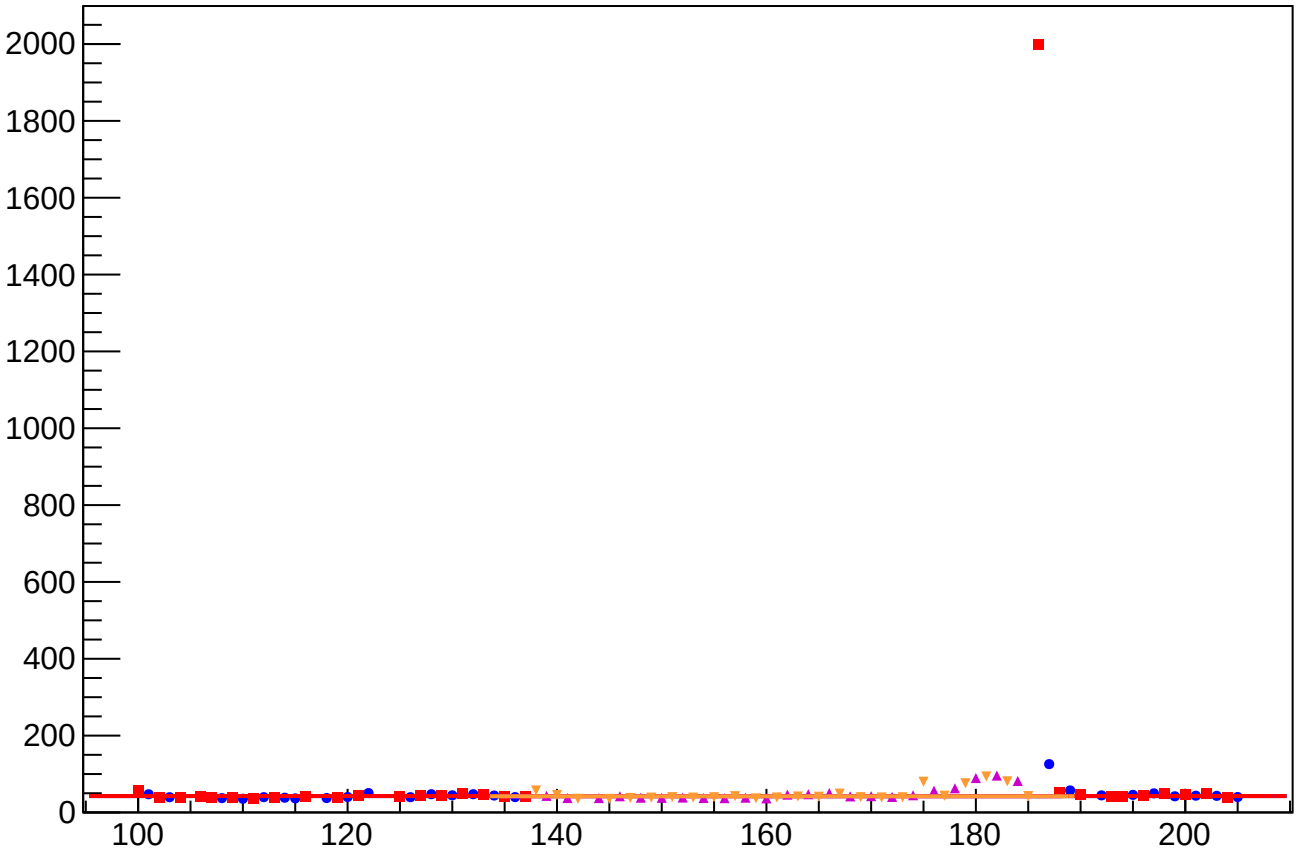
Right Out: -0.019+/-0.011 χ^2/NDF: 20.0/27

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

+ sign -0.003+/-0.008 χ^2/NDF: 28.7/48

All: -0.006+/-0.005 χ^2/NDF: 88.3/99

- sign -0.009+/-0.008 χ^2/NDF: 59.4/50



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

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

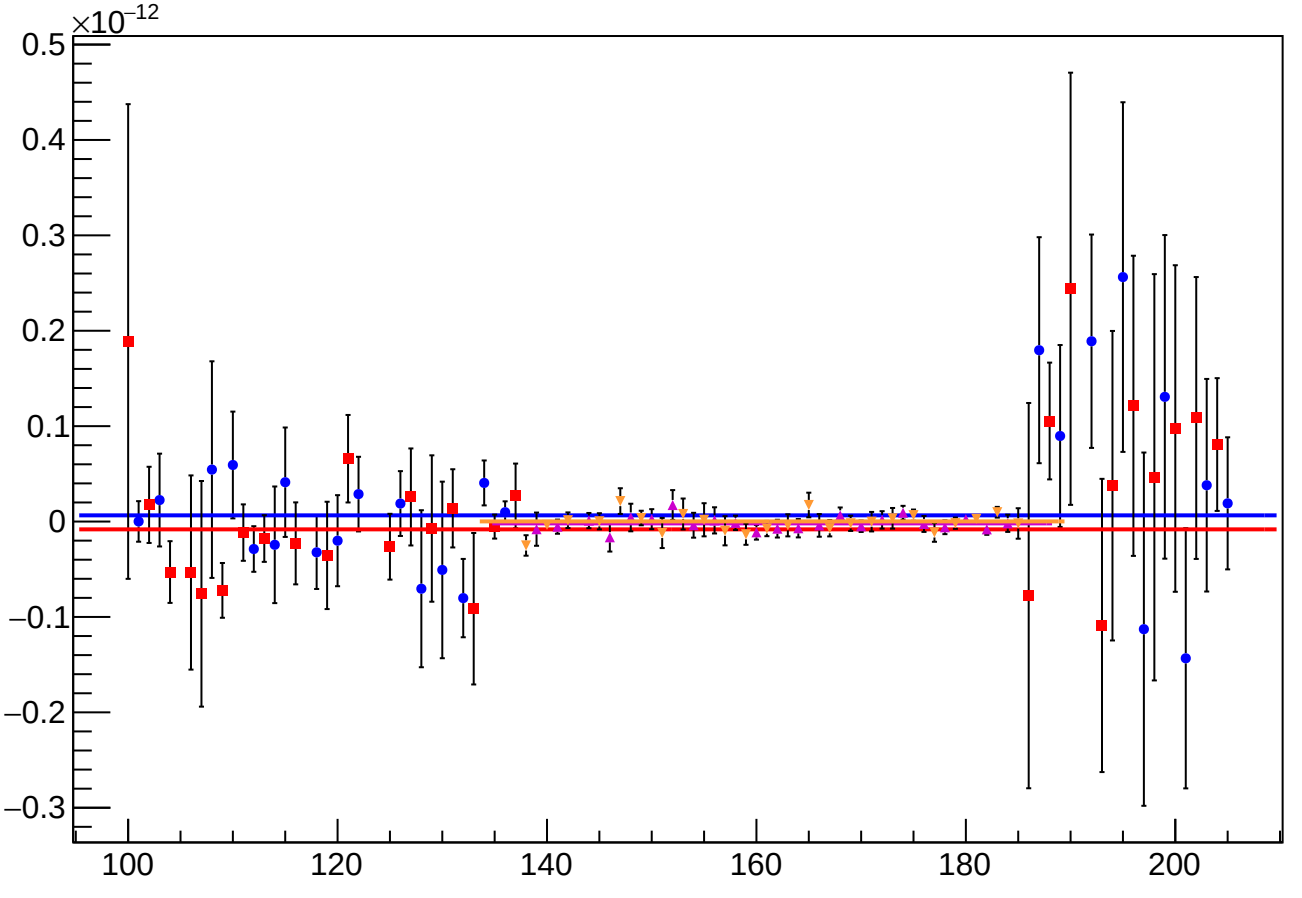
Right Out: 42.697+/-0.008 χ^2/NDF: 1045487.2/27

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

+ sign 42.317+/-0.006 χ^2/NDF: 2002425.2/48

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

- sign 42.357+/-0.005 χ^2/NDF: 2592165.1/50



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

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

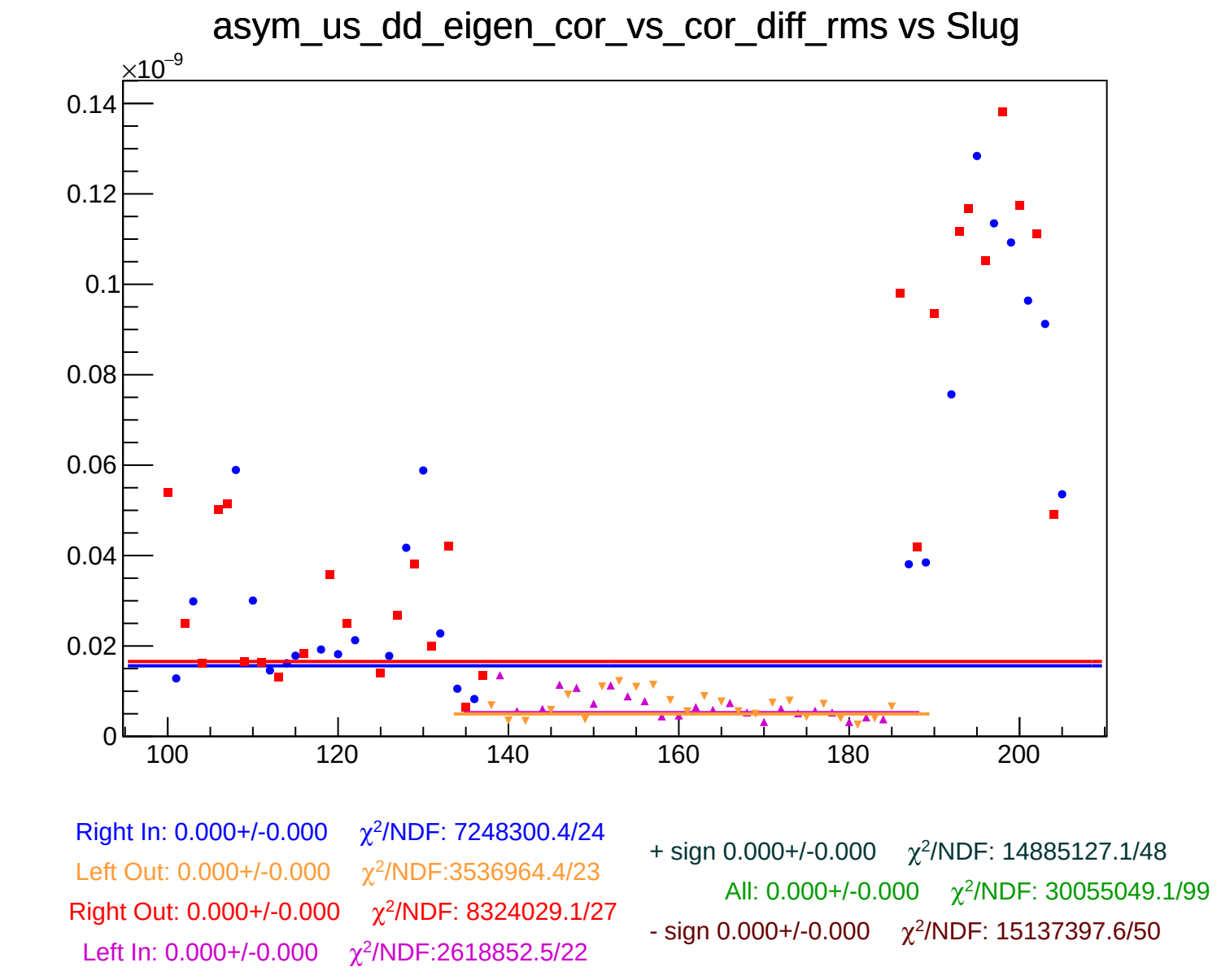
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/27

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

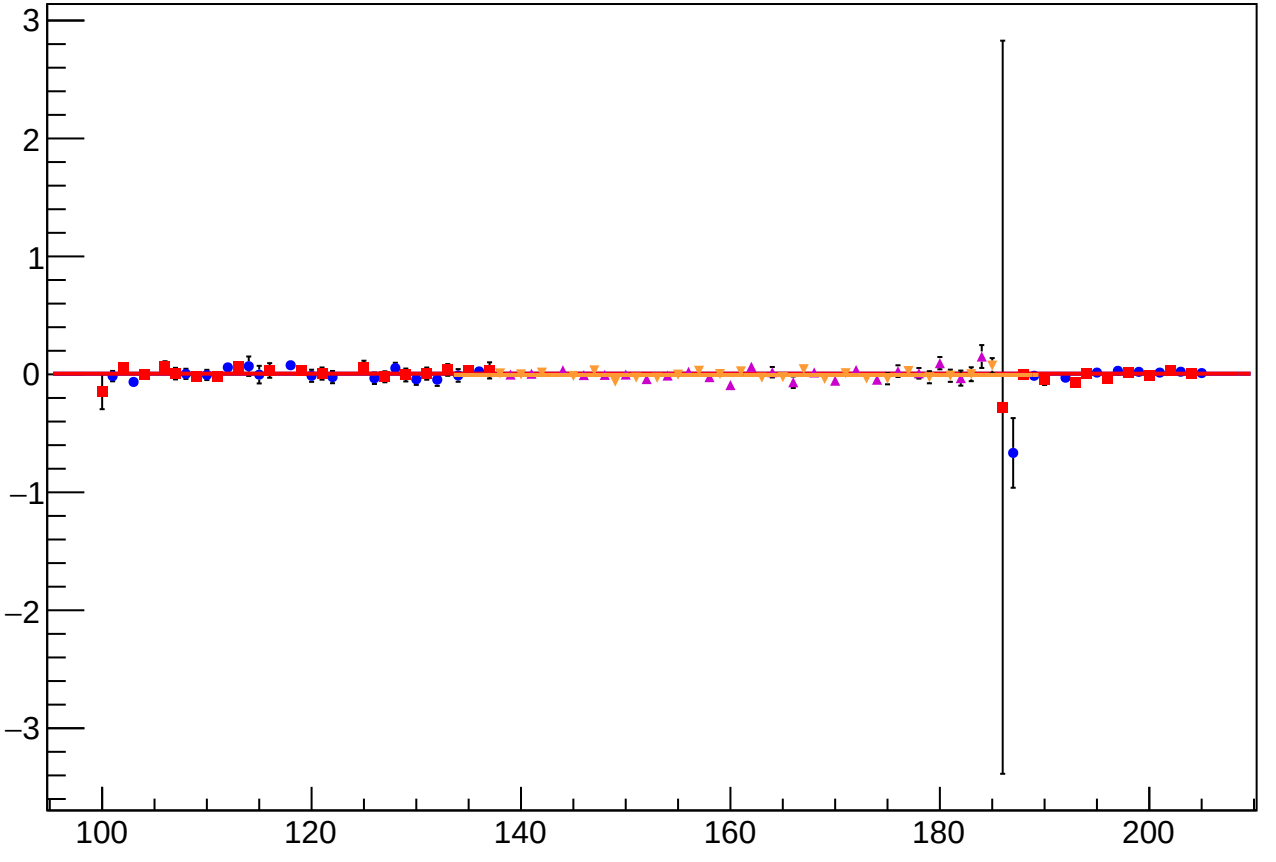
+ sign 0.000+/-0.000 χ^2/NDF: 45.3/48

All: -0.000+/-0.000 χ^2/NDF: 82.6/99

- sign -0.000+/-0.000 χ^2/NDF: 35.9/50


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7248300.4/24
Left Out: 0.000+/-0.000 χ²/NDF:3536964.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8324029.1/27
Left In: 0.000+/-0.000 χ²/NDF:2618852.5/22
+ sign 0.000+/-0.000 χ²/NDF: 14885127.1/48
All: 0.000+/-0.000 χ²/NDF: 30055049.1/99
- sign 0.000+/-0.000 χ²/NDF: 15137397.6/50

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



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

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

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

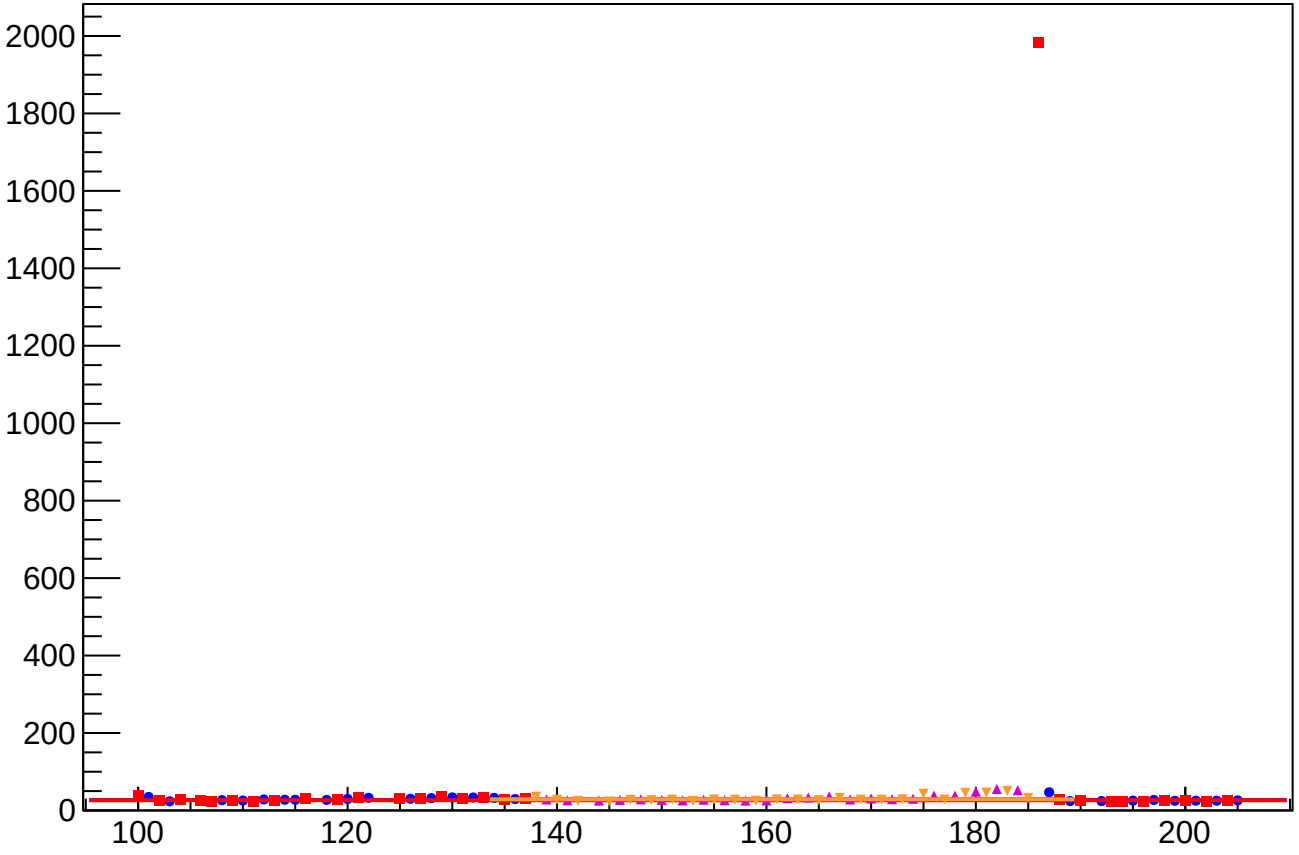
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.000+/-0.005 χ^2/NDF: 41.9/48

All: 0.000+/-0.004 χ^2/NDF: 96.5/99

- sign 0.001+/-0.005 χ^2/NDF: 54.6/50

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



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

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

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

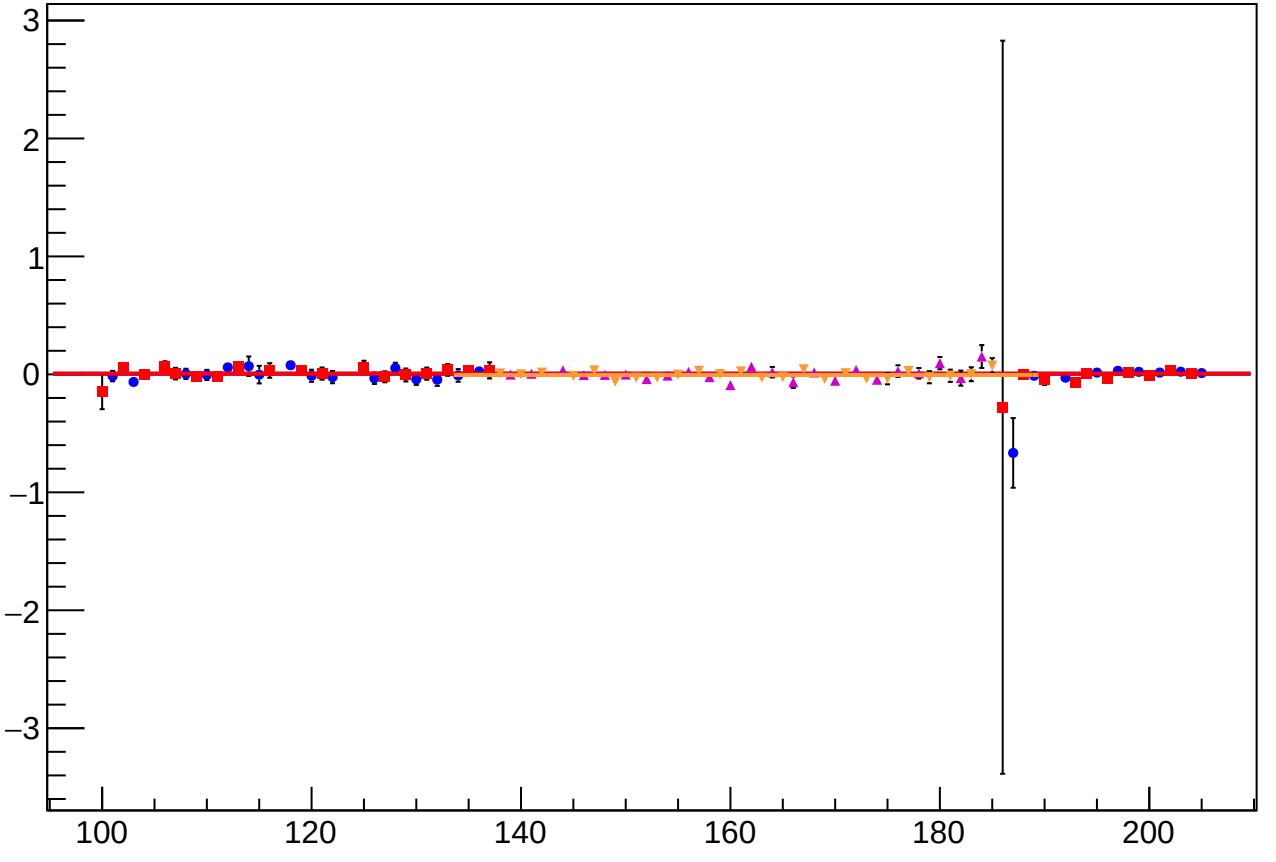
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.974+/-0.004 χ^2/NDF: 1556244.9/48

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

- sign 27.836+/-0.004 χ^2/NDF: 2403542.6/50

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



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

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

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

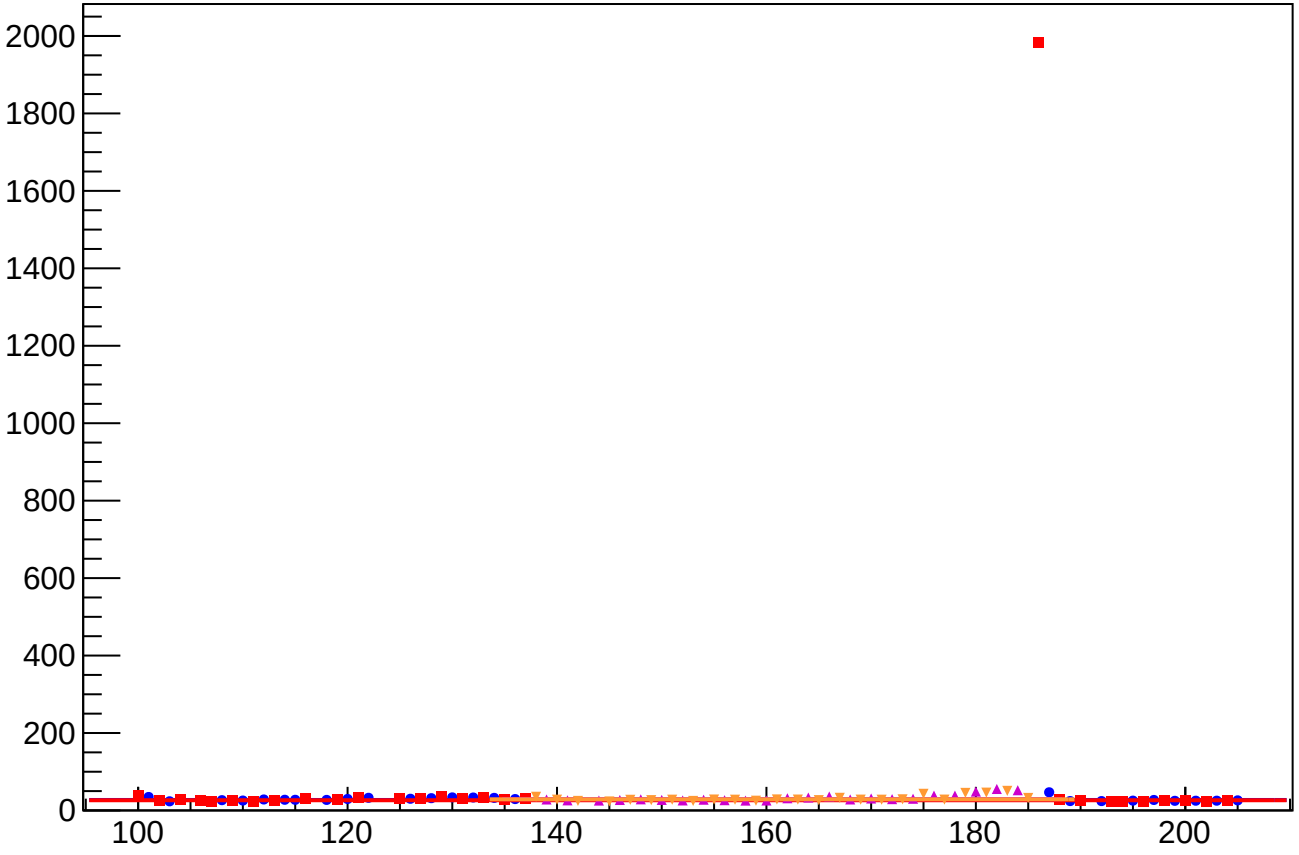
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.000+/-0.005 χ^2/NDF: 41.9/48

All: 0.000+/-0.004 χ^2/NDF: 96.5/99

- sign 0.001+/-0.005 χ^2/NDF: 54.6/50

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



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

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

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

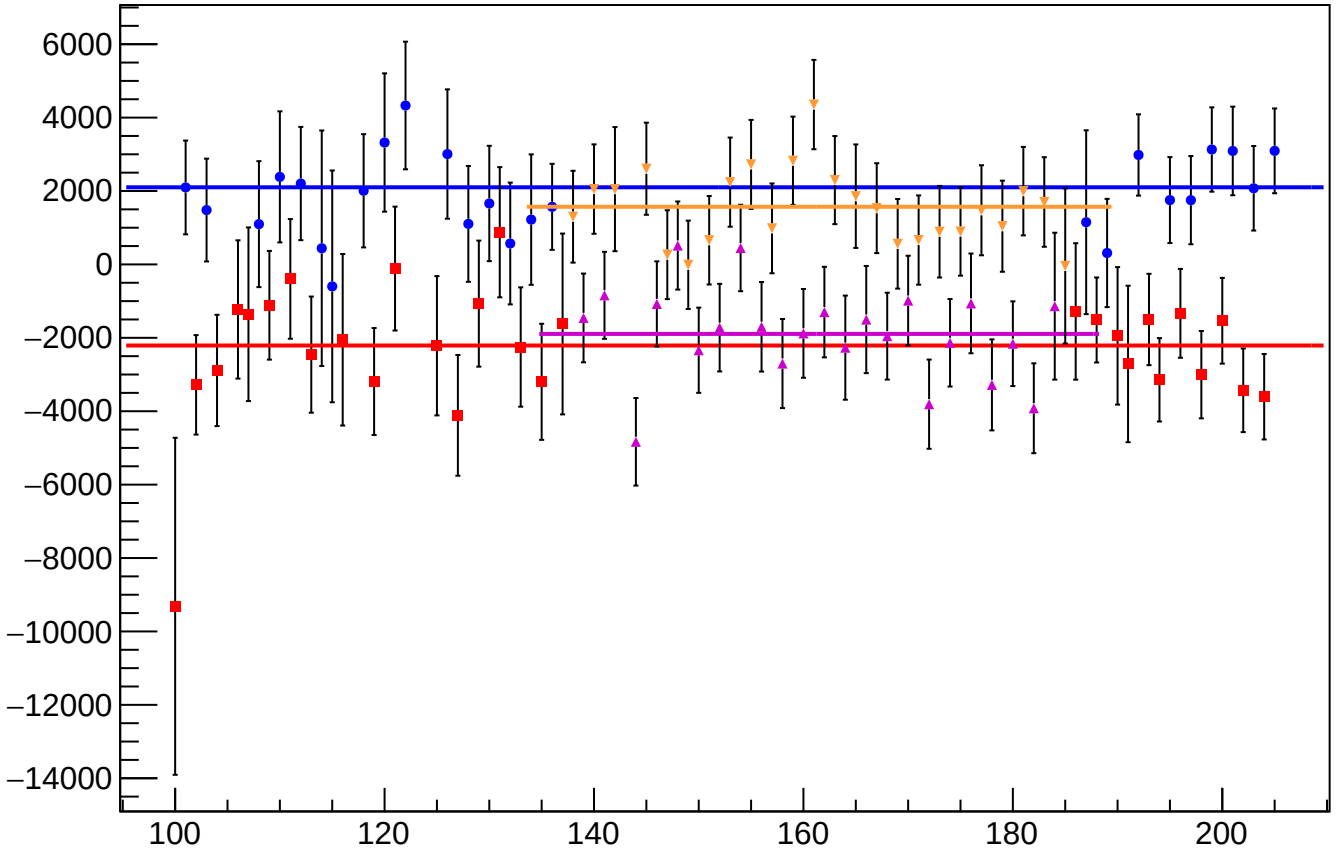
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.974+/-0.004 χ^2/NDF: 1556244.9/48

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

- sign 27.836+/-0.004 χ^2/NDF: 2403542.6/50

reg_asym_usl_mean vs Slug



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

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

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

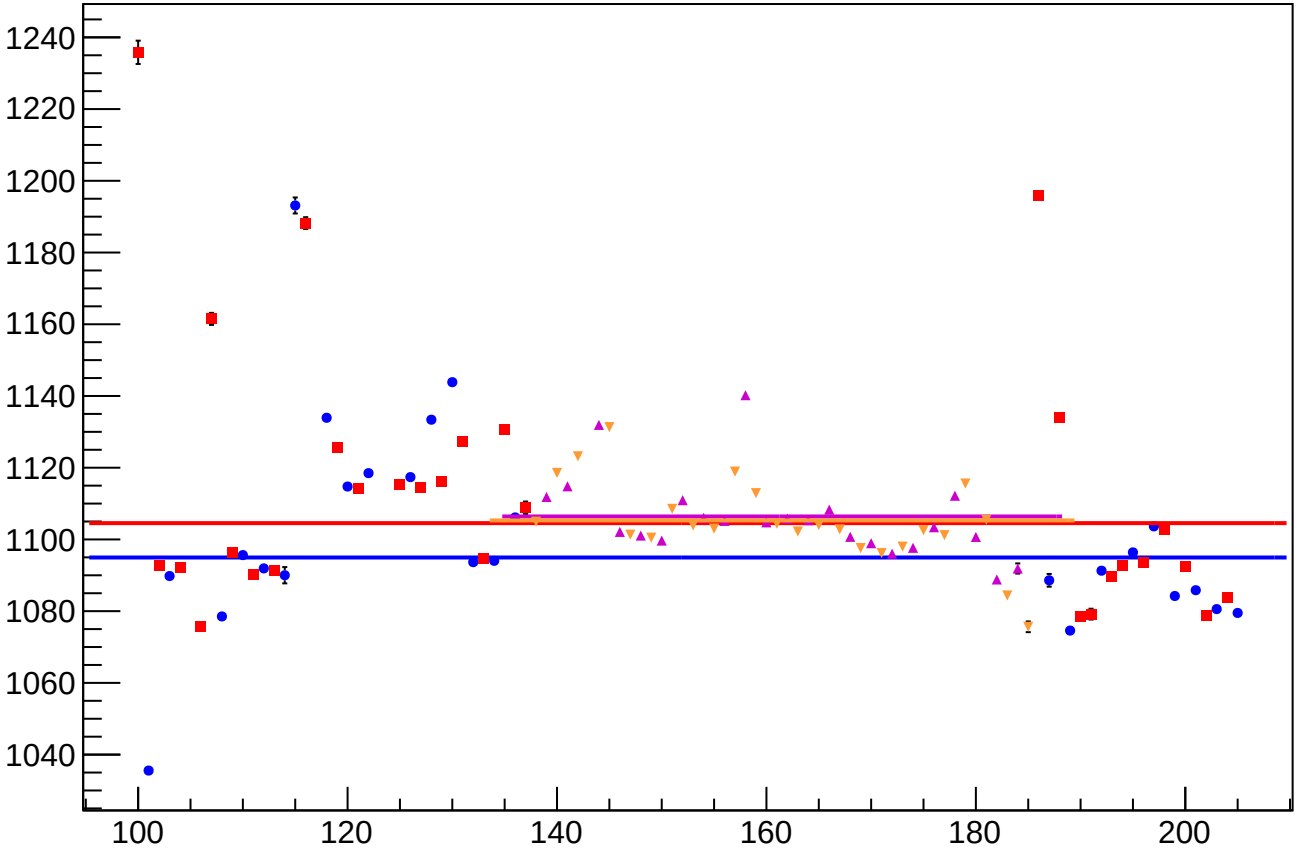
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1802.550+/-192.581 χ^2/NDF: 27.6/48

All: -138.007+/-135.448 χ^2/NDF: 271.5/100

- sign -2037.689+/-190.542 χ^2/NDF: 43.1/51

reg_asym_usl_rms vs Slug



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

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

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

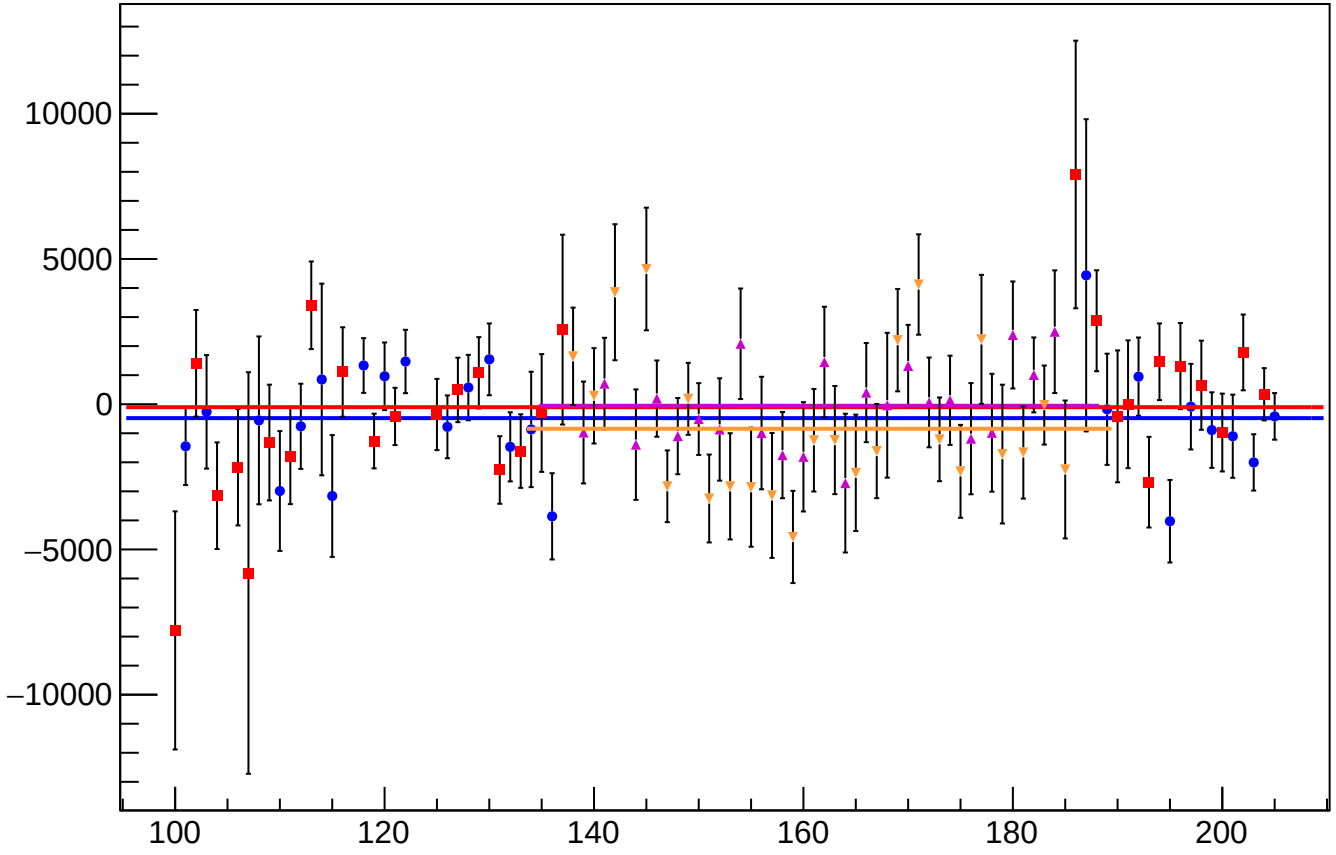
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1100.786+/-0.136 χ^2/NDF: 18034.3/48

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

- sign 1105.557+/-0.135 χ^2/NDF: 21309.4/51

asym_usl_reg_correction_mean vs Slug



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

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

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

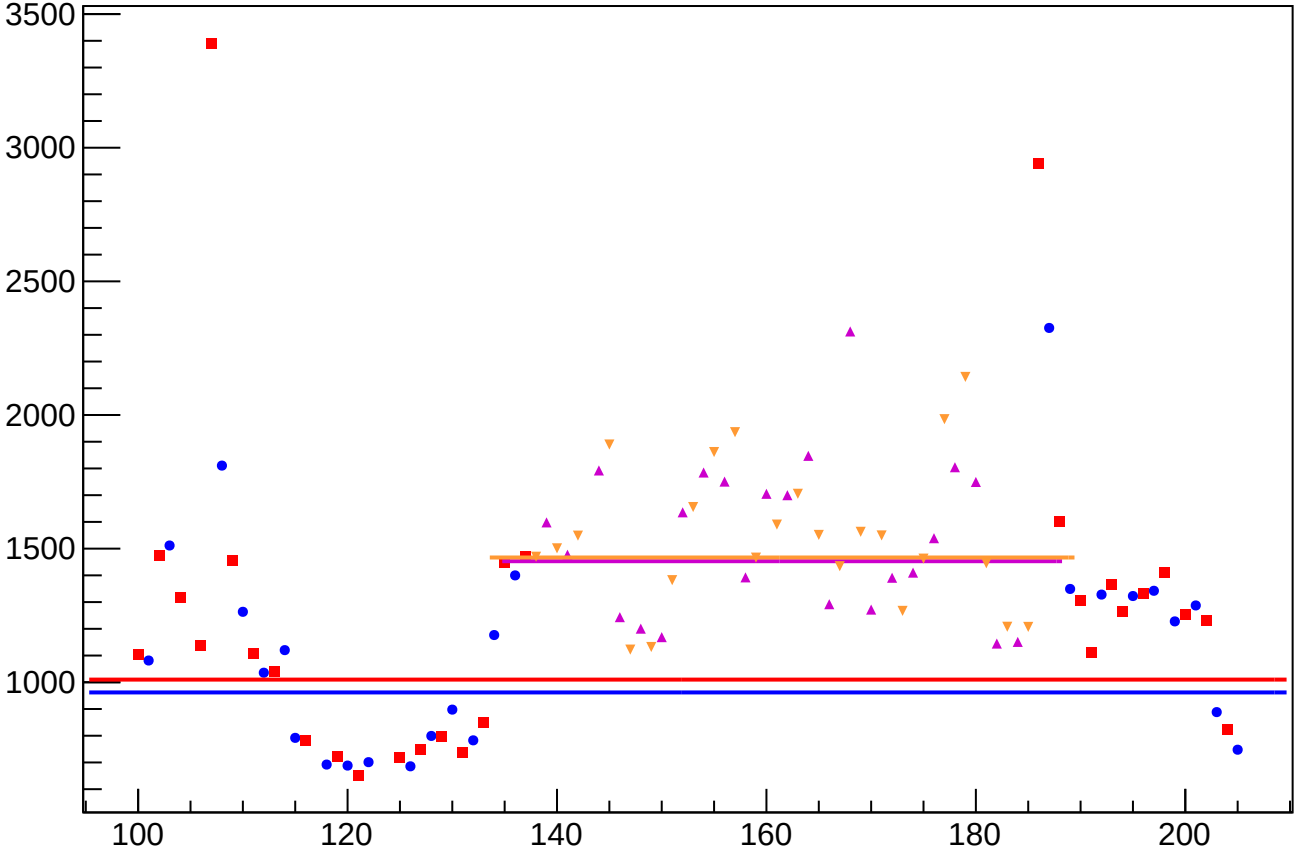
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -615.886+/-212.339 χ^2/NDF: 77.7/48

All: -352.417+/-150.830 χ^2/NDF: 132.5/100

- sign -84.092+/-214.287 χ^2/NDF: 51.7/51

asym_usl_reg_correction_rms vs Slug



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

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

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

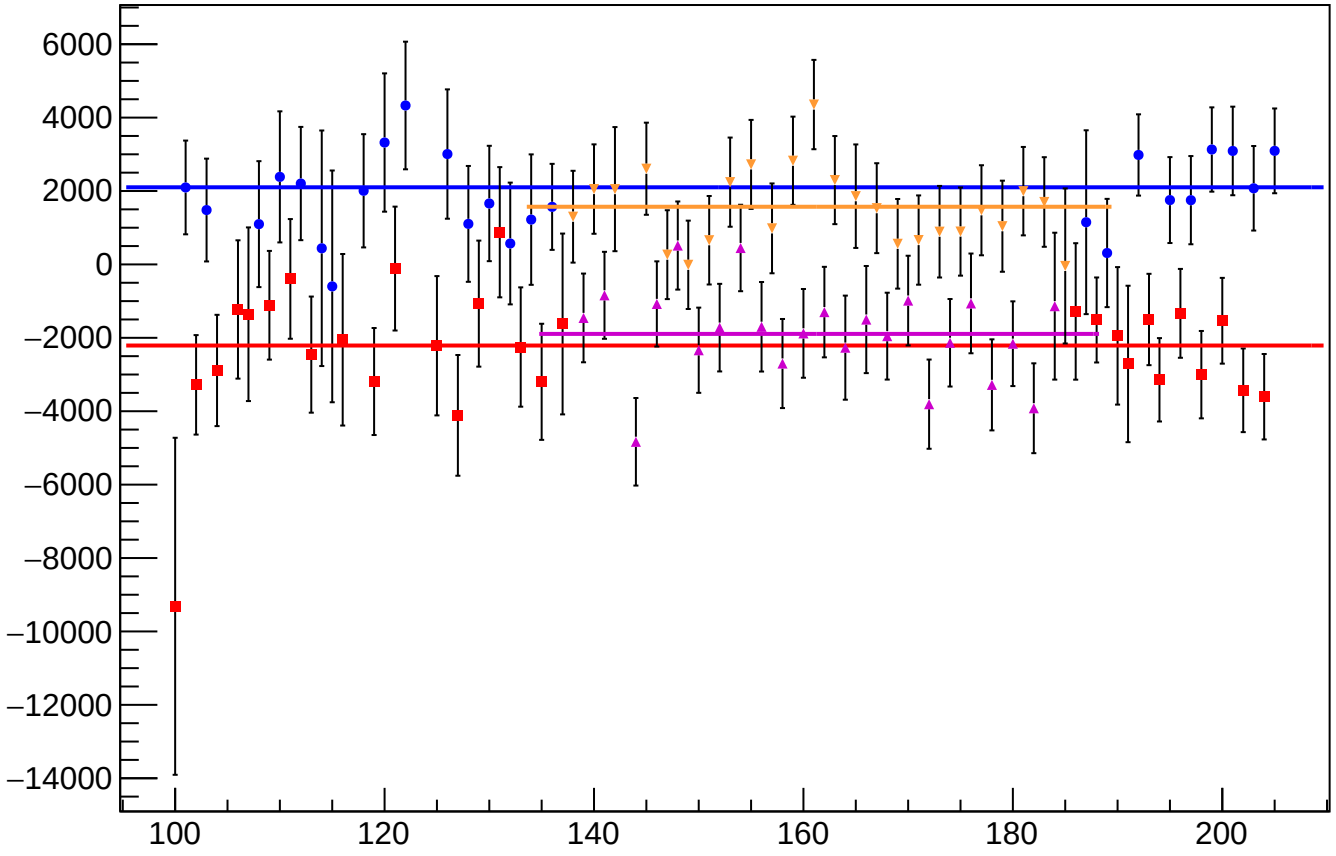
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1150.651+/-0.150 χ^2/NDF: 5872988.5/48

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

- sign 1179.951+/-0.152 χ^2/NDF: 5981077.5/51

cor_asym_usl_mean vs Slug



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

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

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

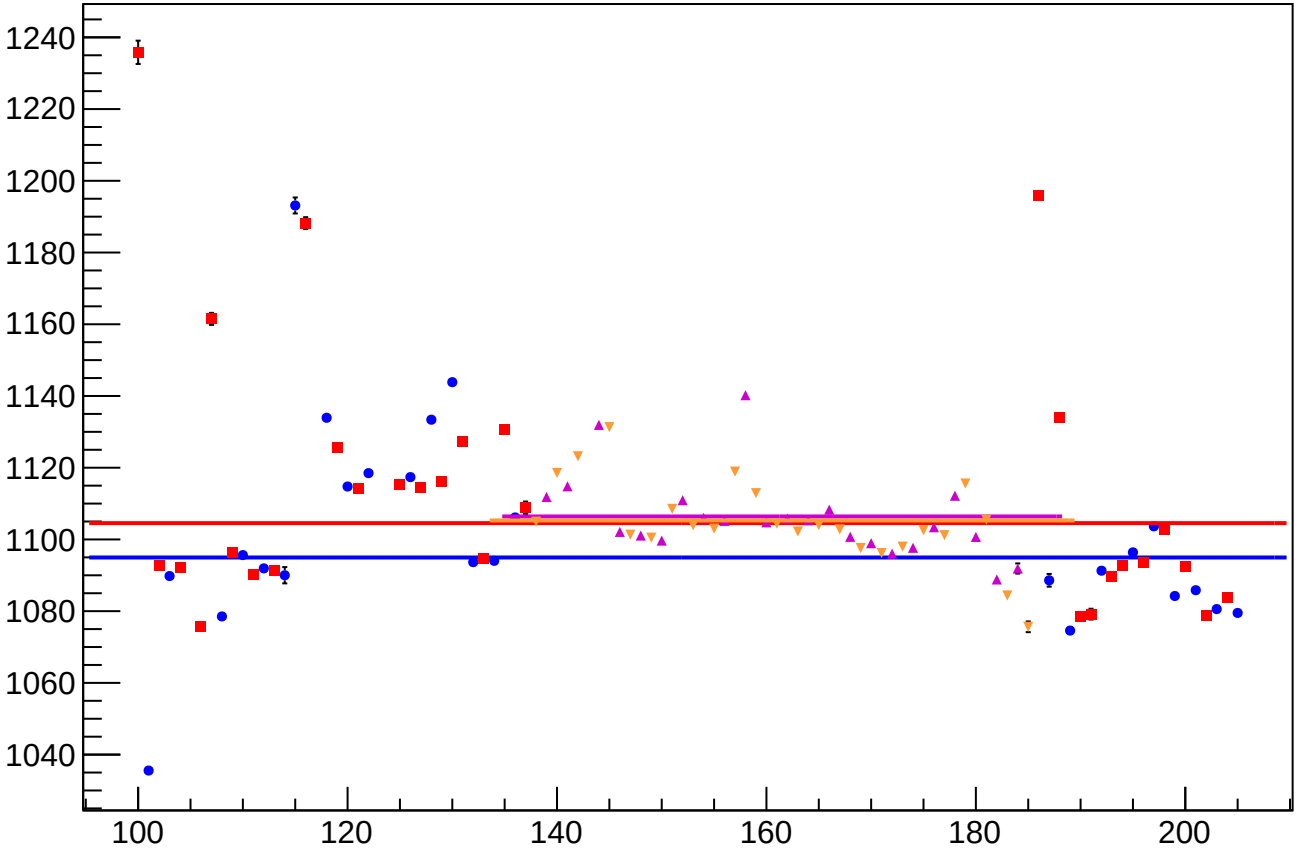
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1802.550+/-192.581 χ^2/NDF: 27.6/48

All: -138.005+/-135.448 χ^2/NDF: 271.5/100

- sign -2037.685+/-190.542 χ^2/NDF: 43.1/51

cor_asym_usl_rms vs Slug



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

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

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

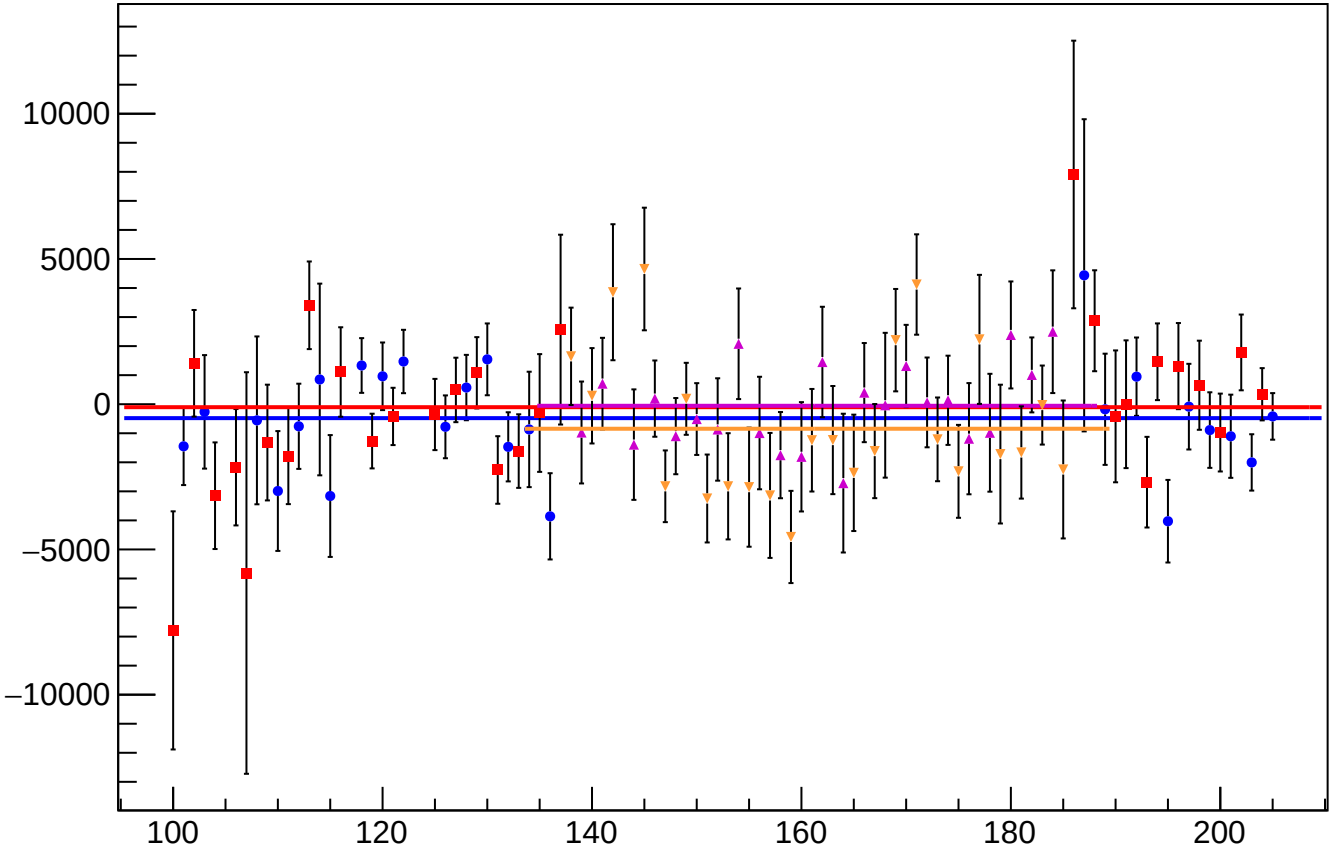
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1100.786+/-0.136 χ^2/NDF: 18034.3/48

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

- sign 1105.557+/-0.135 χ^2/NDF: 21309.4/51

asym_usl_cor_correction_mean vs Slug



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

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

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

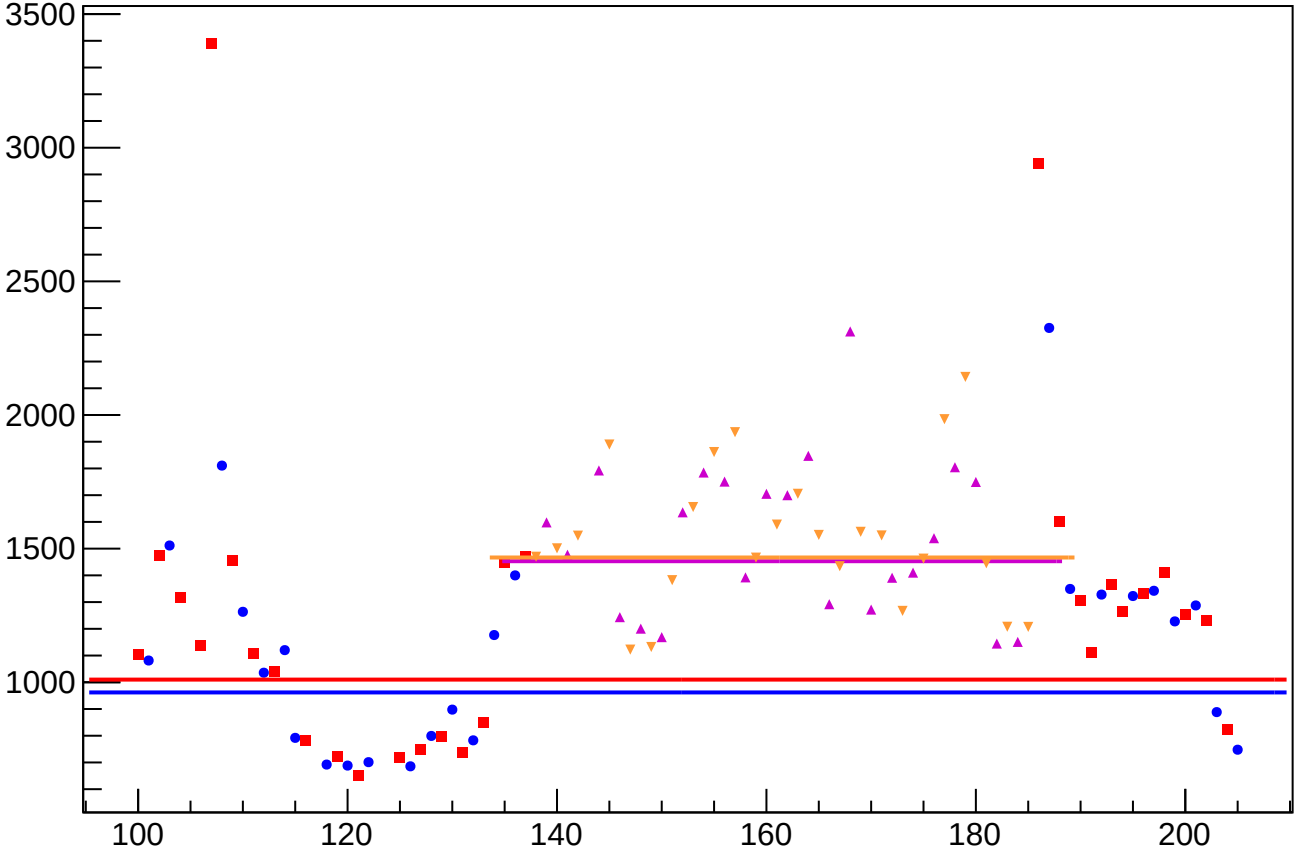
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -615.886+/-212.339 χ^2/NDF: 77.7/48

All: -352.417+/-150.830 χ^2/NDF: 132.5/100

- sign -84.092+/-214.287 χ^2/NDF: 51.7/51

asym_usl_cor_correction_rms vs Slug



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

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

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

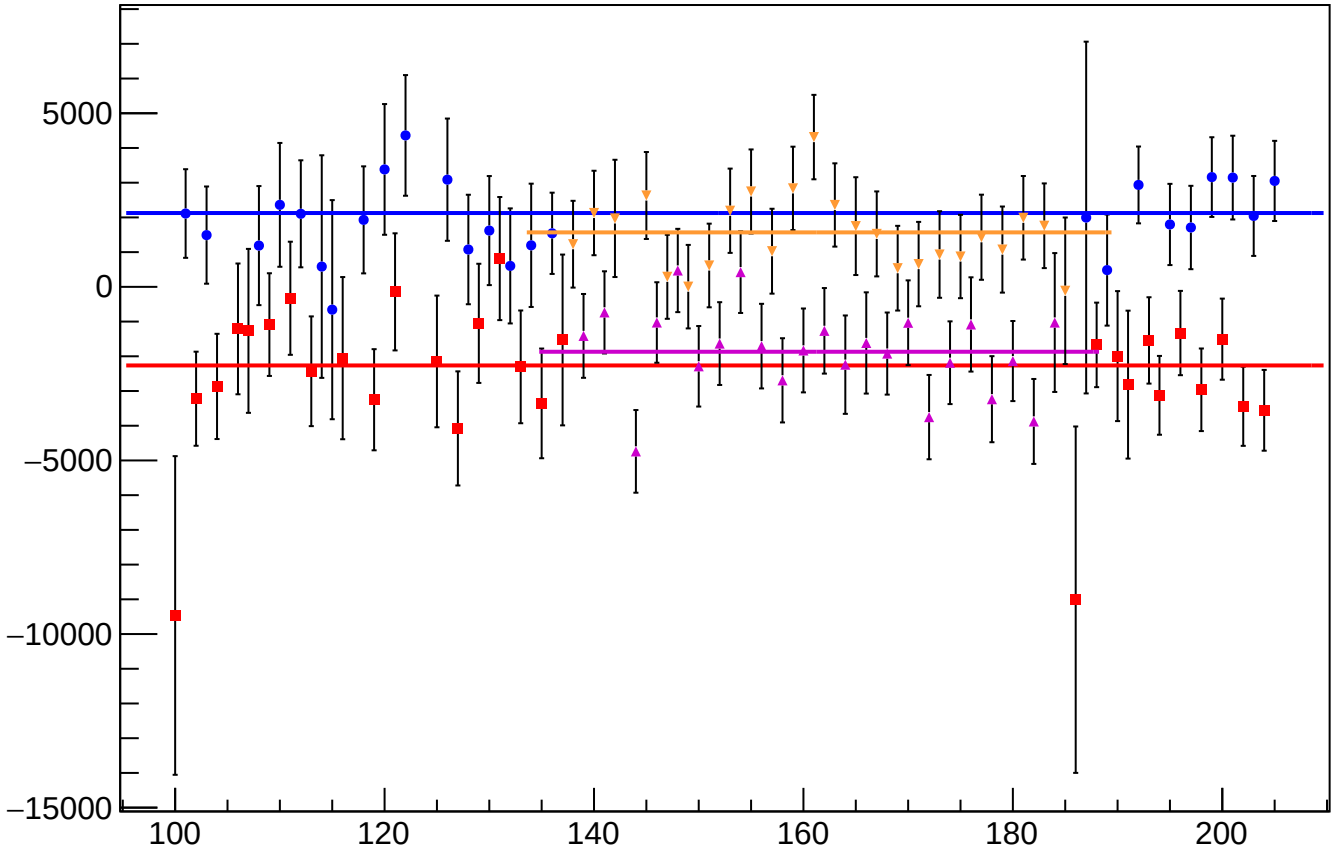
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1150.651+/-0.150 χ^2/NDF: 5872988.5/48

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

- sign 1179.951+/-0.152 χ^2/NDF: 5981078.3/51

overload_cor_asym_usl_mean vs Slug



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

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

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

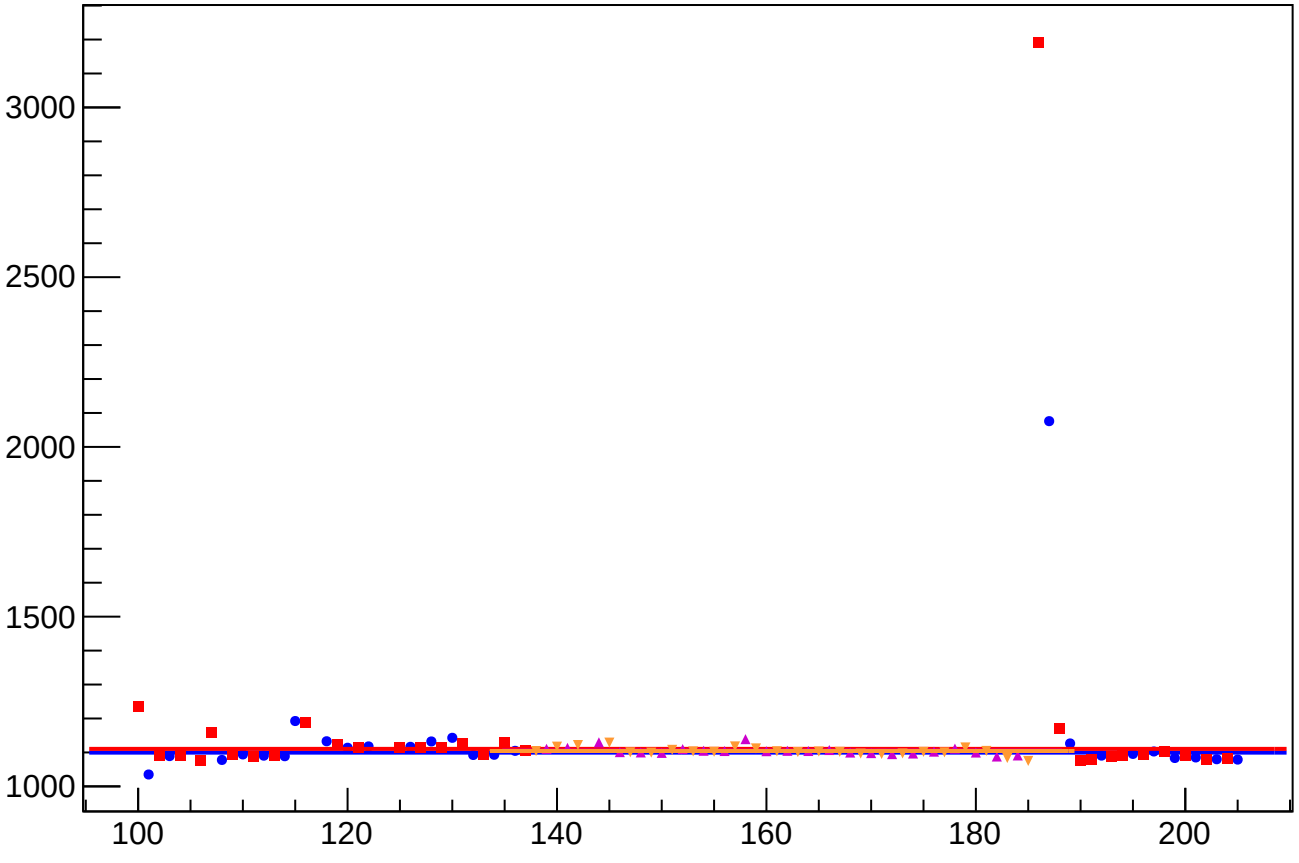
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1809.936+/-193.098 χ^2/NDF: 27.3/48

All: -134.167+/-135.978 χ^2/NDF: 272.5/100

- sign -2046.578+/-191.517 χ^2/NDF: 44.2/51

overload_cor_asym_usl_rms vs Slug



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

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

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

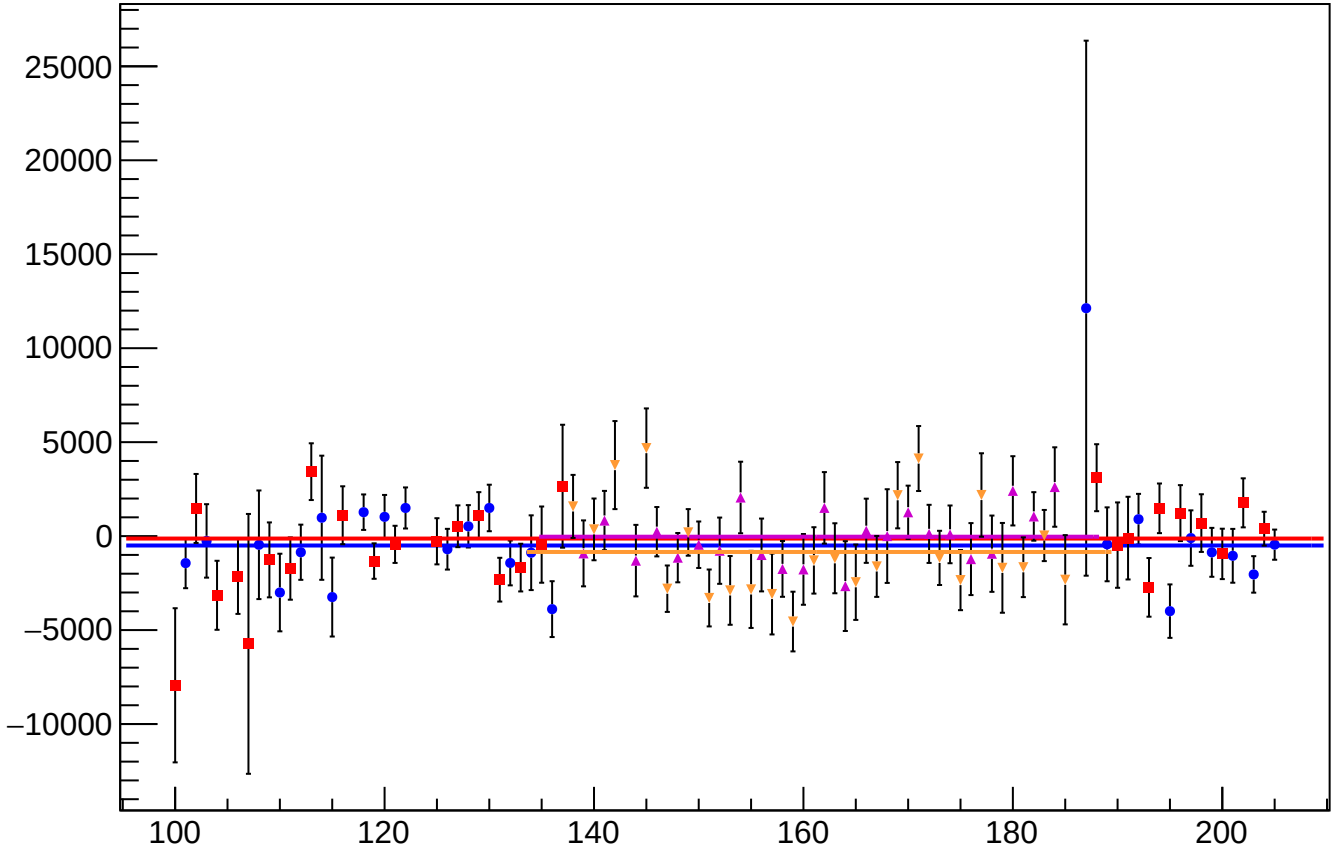
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1102.177+/-0.137 χ^2/NDF: 91551.9/48

All: 1104.953+/-0.096 χ^2/NDF: 462566.6/100

- sign 1107.683+/-0.135 χ^2/NDF: 370195.1/51

asym_usl_overload_cor_correction_mean vs Slug



Right In: -499.231+/-269.067 χ^2/NDF: 32.5/24

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: -129.708+/-273.936 χ^2/NDF: 36.6/27

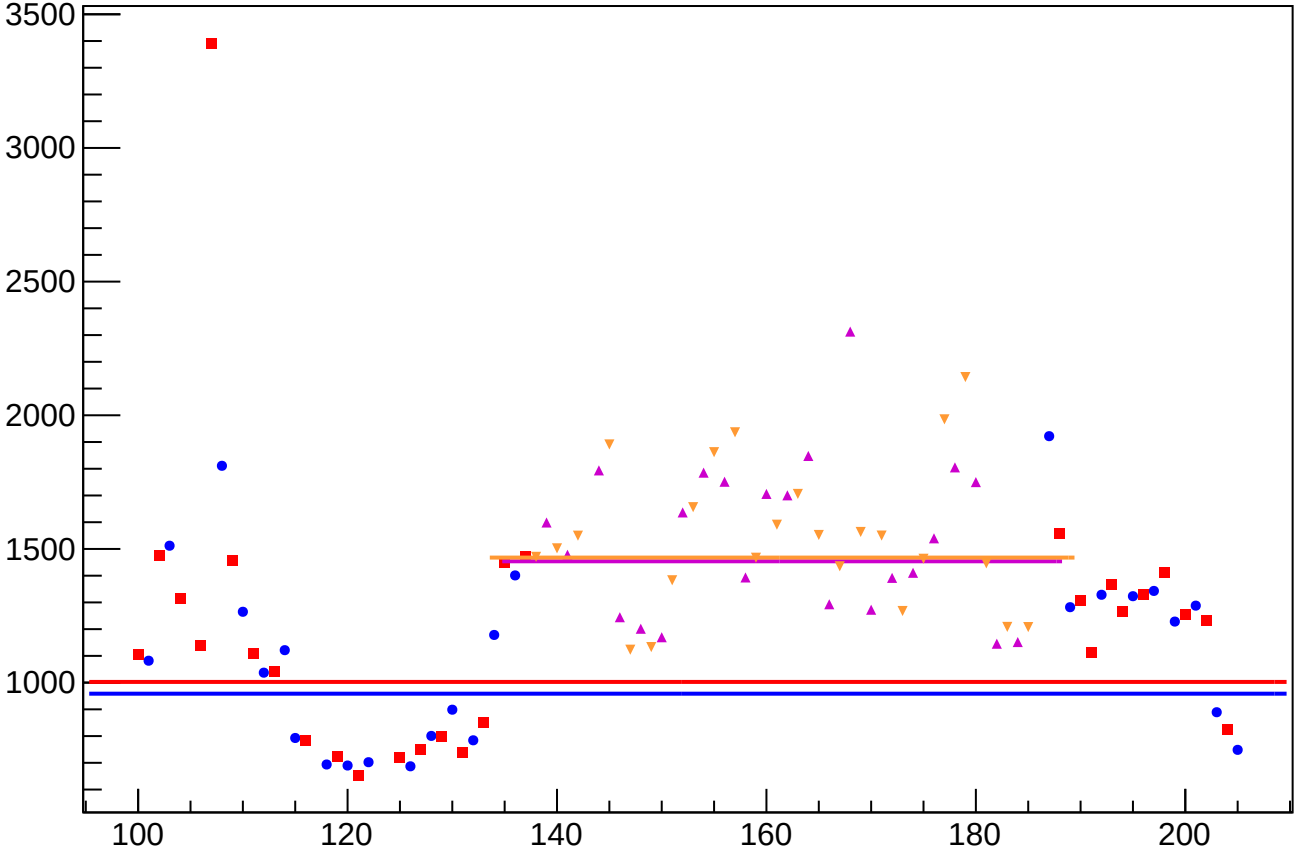
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -628.169+/-212.756 χ^2/NDF: 77.2/48

All: -362.583+/-151.162 χ^2/NDF: 130.0/99

- sign -91.845+/-214.810 χ^2/NDF: 49.7/50

asym_usl_overload_cor_correction_rms vs Slug



Right In: 958.581+/-0.190 χ^2/NDF: 2026243.4/24

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 1002.579+/-0.194 χ^2/NDF: 2423321.0/27

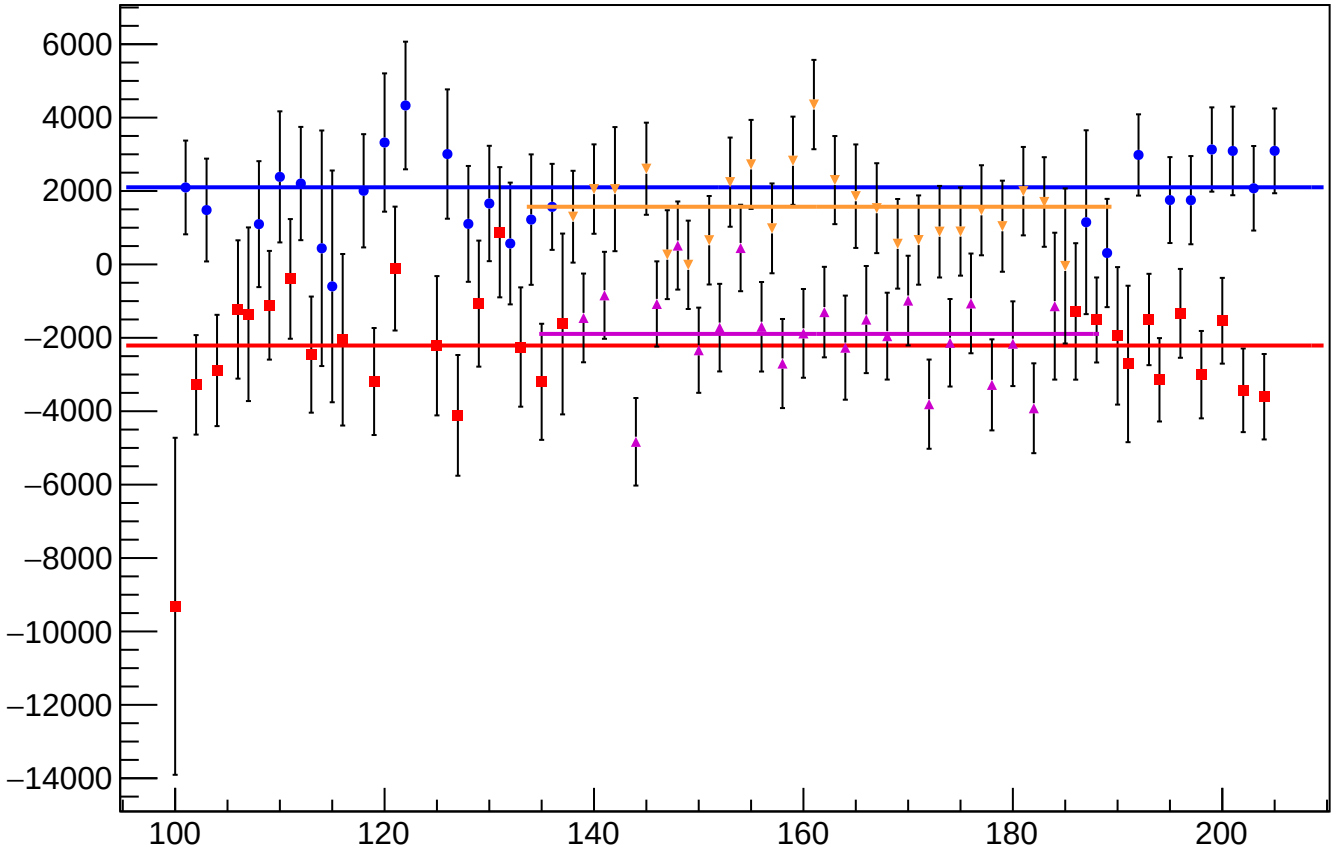
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1149.380+/-0.150 χ^2/NDF: 5751622.9/48

All: 1162.737+/-0.107 χ^2/NDF: 11408841.6/9

- sign 1176.354+/-0.152 χ^2/NDF: 5641299.3/50

eigen_cor_asym_usl_mean vs Slug



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

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

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

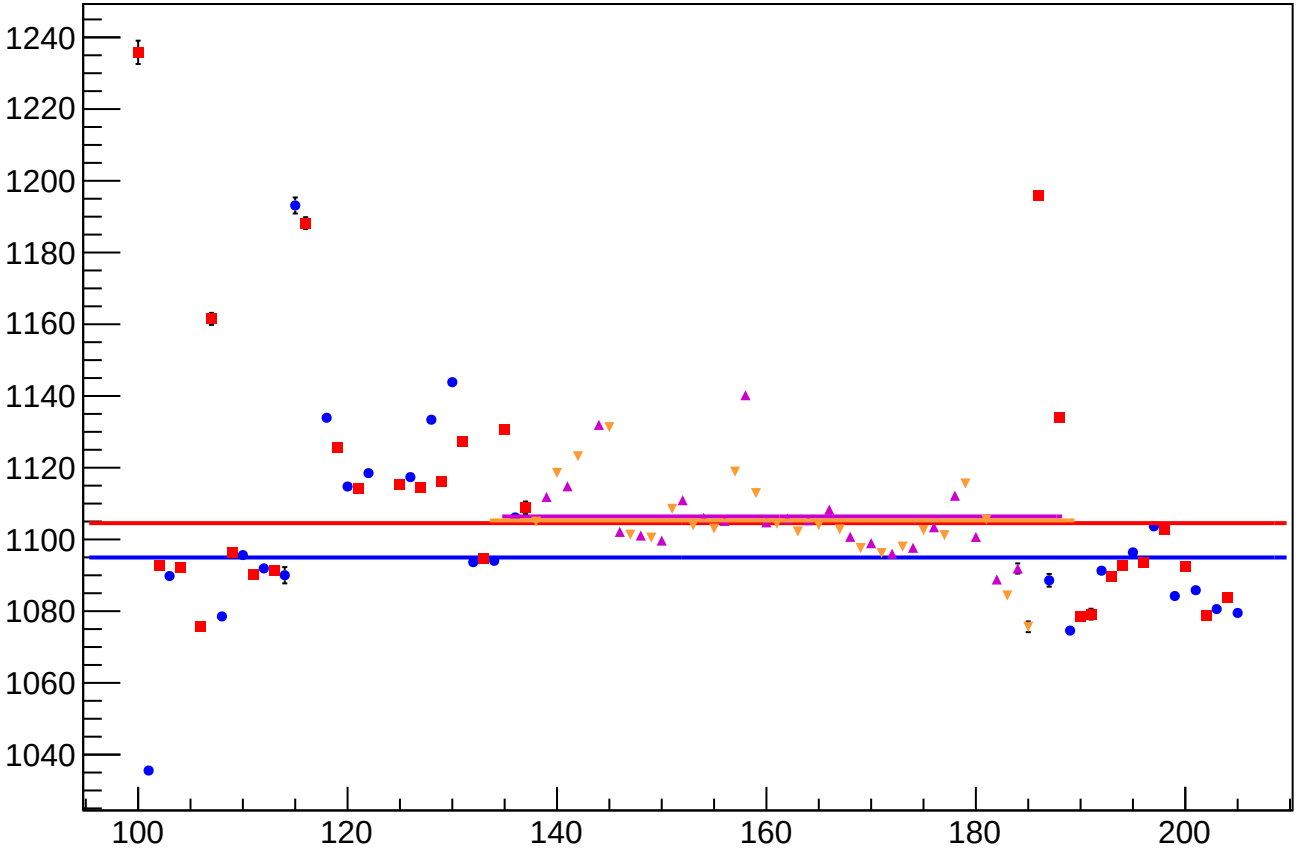
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1802.550+/-192.581 χ^2/NDF: 27.6/48

All: -138.005+/-135.448 χ^2/NDF: 271.5/100

- sign -2037.685+/-190.542 χ^2/NDF: 43.1/51

eigen_cor_asym_usl_rms vs Slug



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

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

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

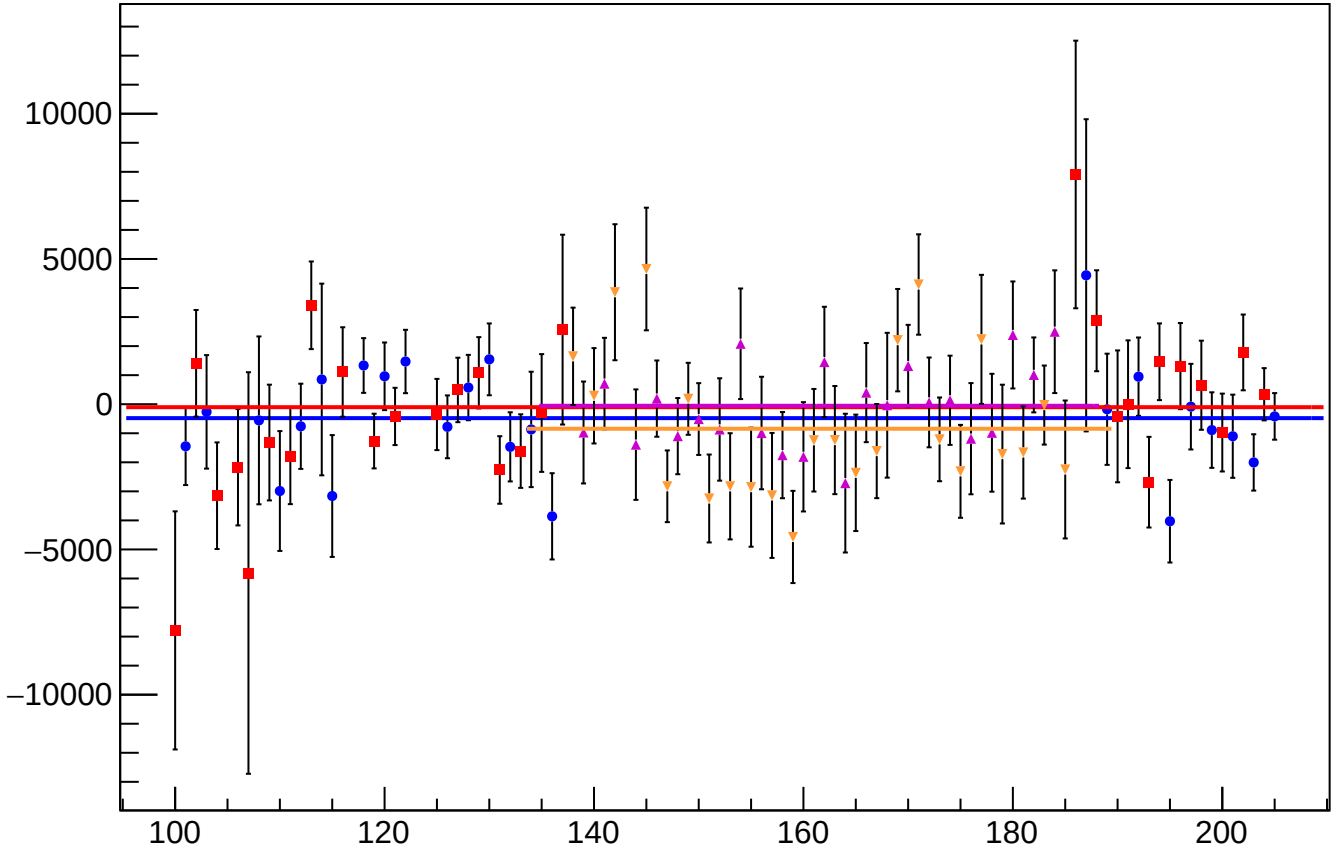
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1100.786+/-0.136 χ^2/NDF: 18034.3/48

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

- sign 1105.557+/-0.135 χ^2/NDF: 21309.4/51

asym_usl_eigen_cor_correction_mean vs Slug



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

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

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

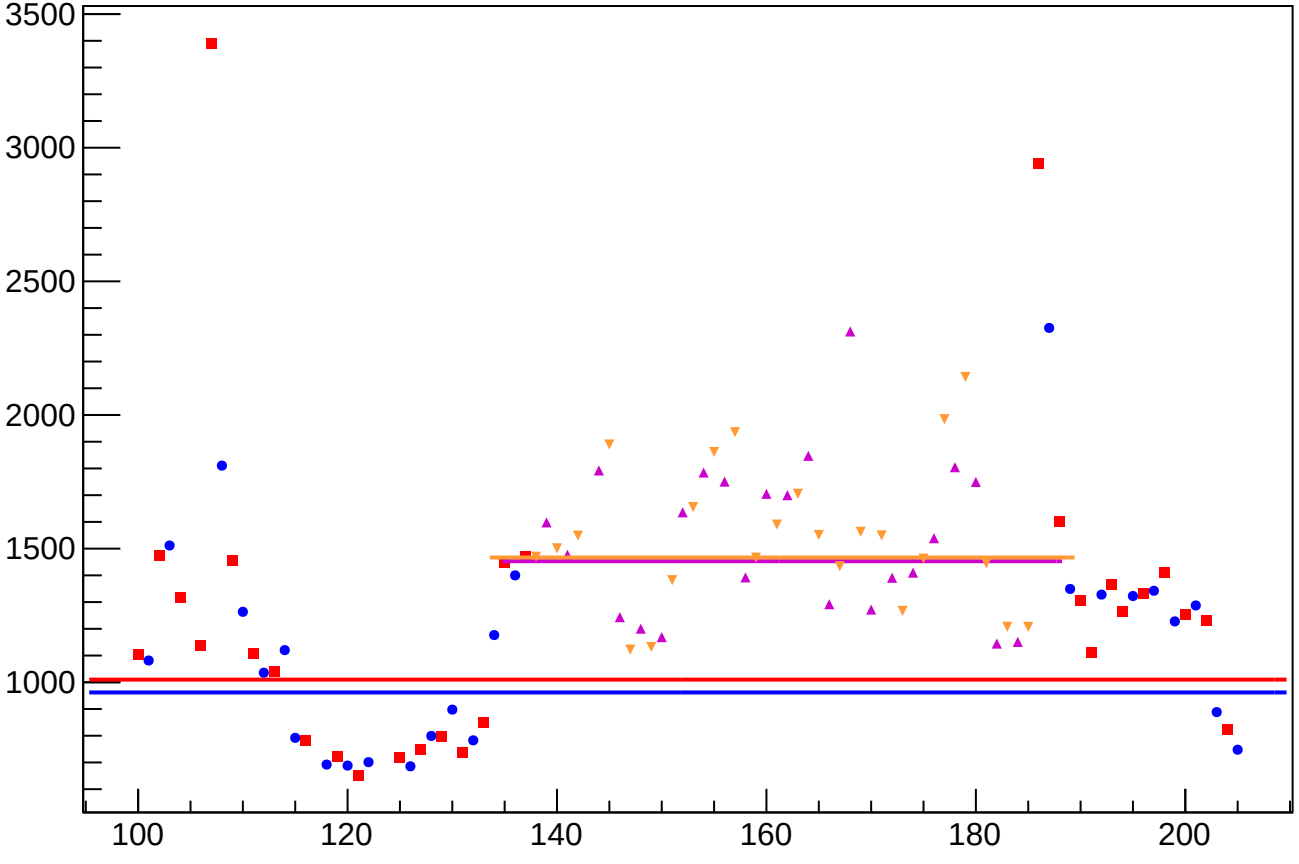
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -615.886+/-212.339 χ^2/NDF: 77.7/48

All: -352.417+/-150.830 χ^2/NDF: 132.5/100

- sign -84.092+/-214.287 χ^2/NDF: 51.7/51

asym_usl_eigen_cor_correction_rms vs Slug



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

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

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

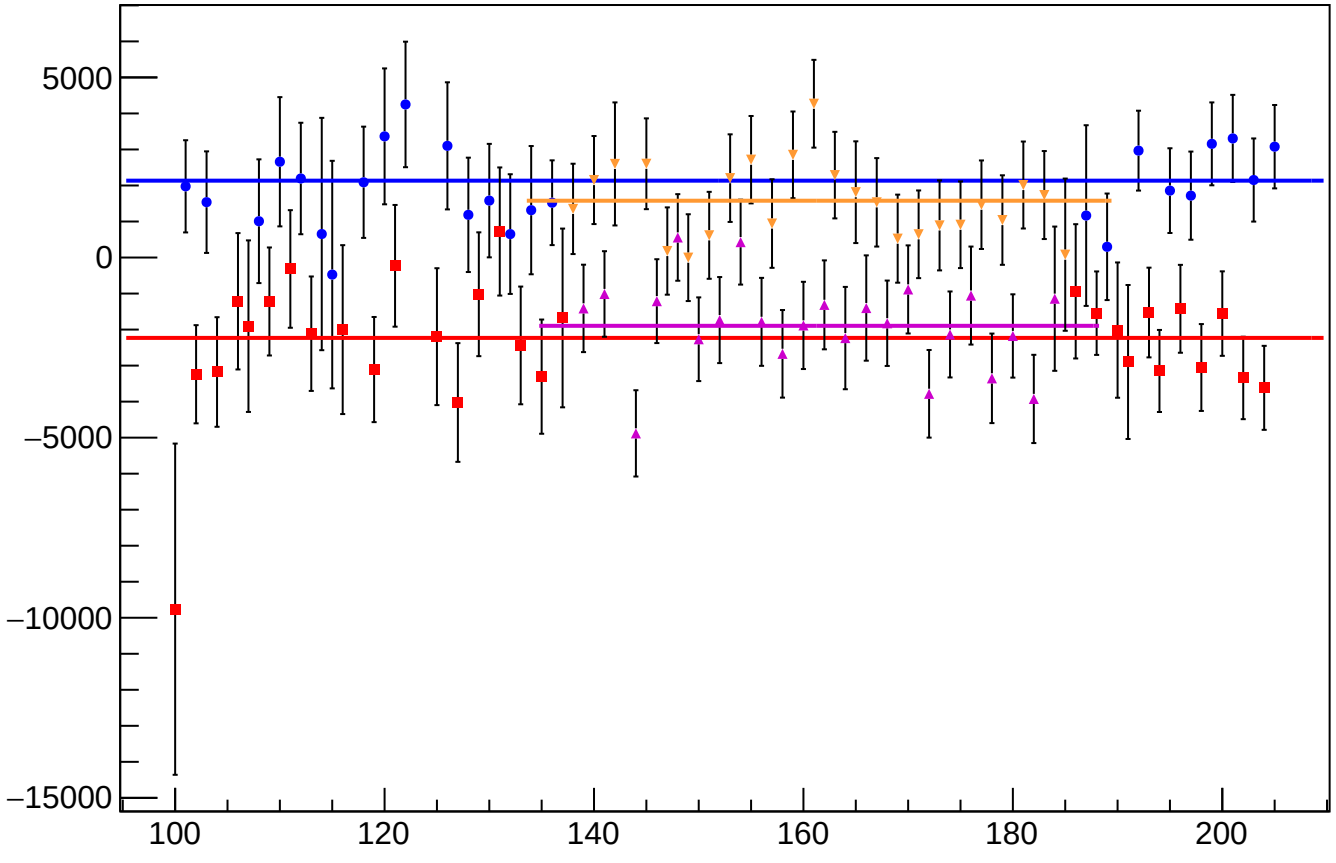
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1150.651+/-0.150 χ^2/NDF: 5872988.5/48

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

- sign 1179.951+/-0.152 χ^2/NDF: 5981078.3/51

dit_asym_usl_mean vs Slug



Right In: 2134.085+/-292.534 χ^2/NDF: 10.4/24

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: -2231.126+/-283.263 χ^2/NDF: 18.0/28

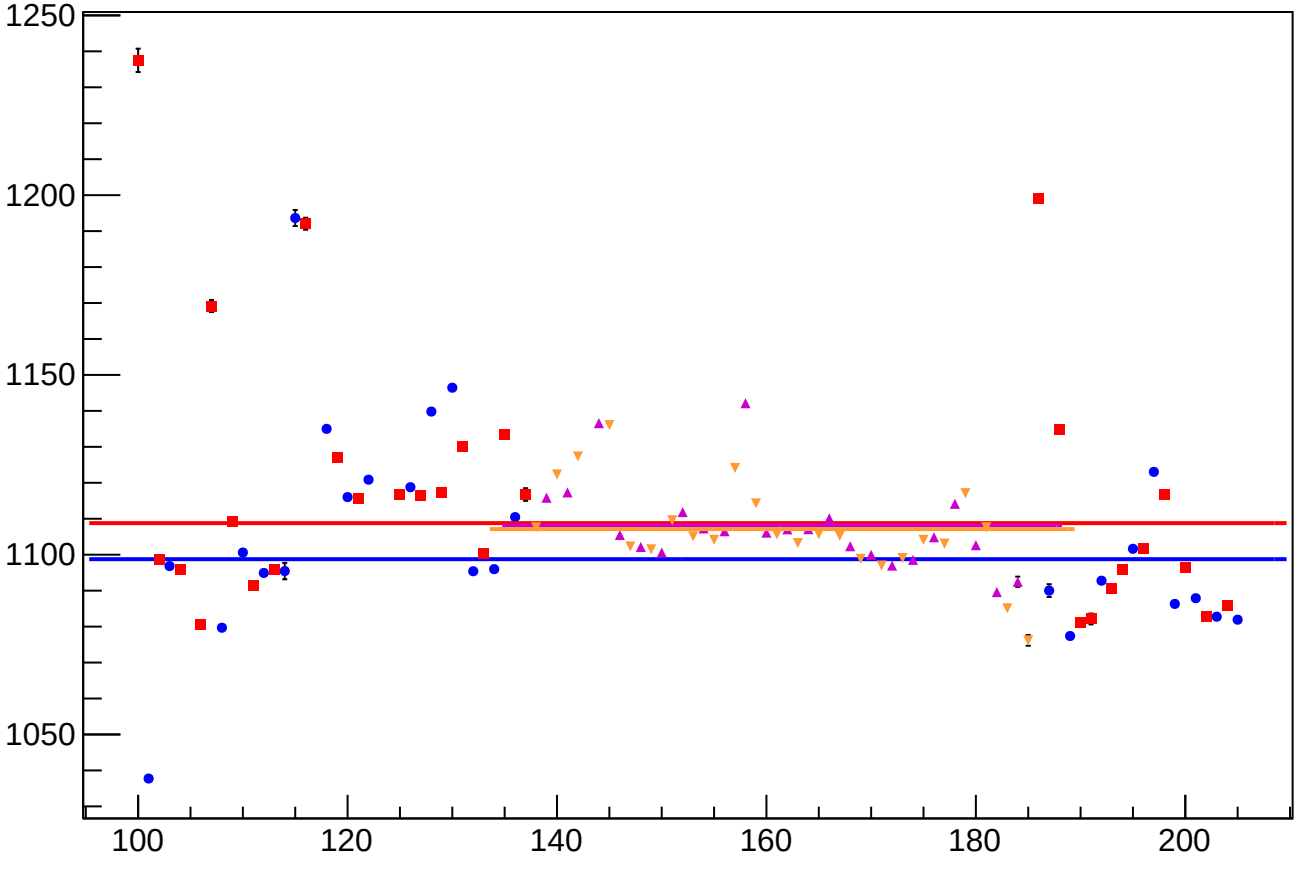
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1819.900+/-193.075 χ^2/NDF: 28.0/48

All: -134.608+/-135.801 χ^2/NDF: 273.6/100

- sign -2048.192+/-191.043 χ^2/NDF: 42.9/51

dit_asym_usl_rms vs Slug



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

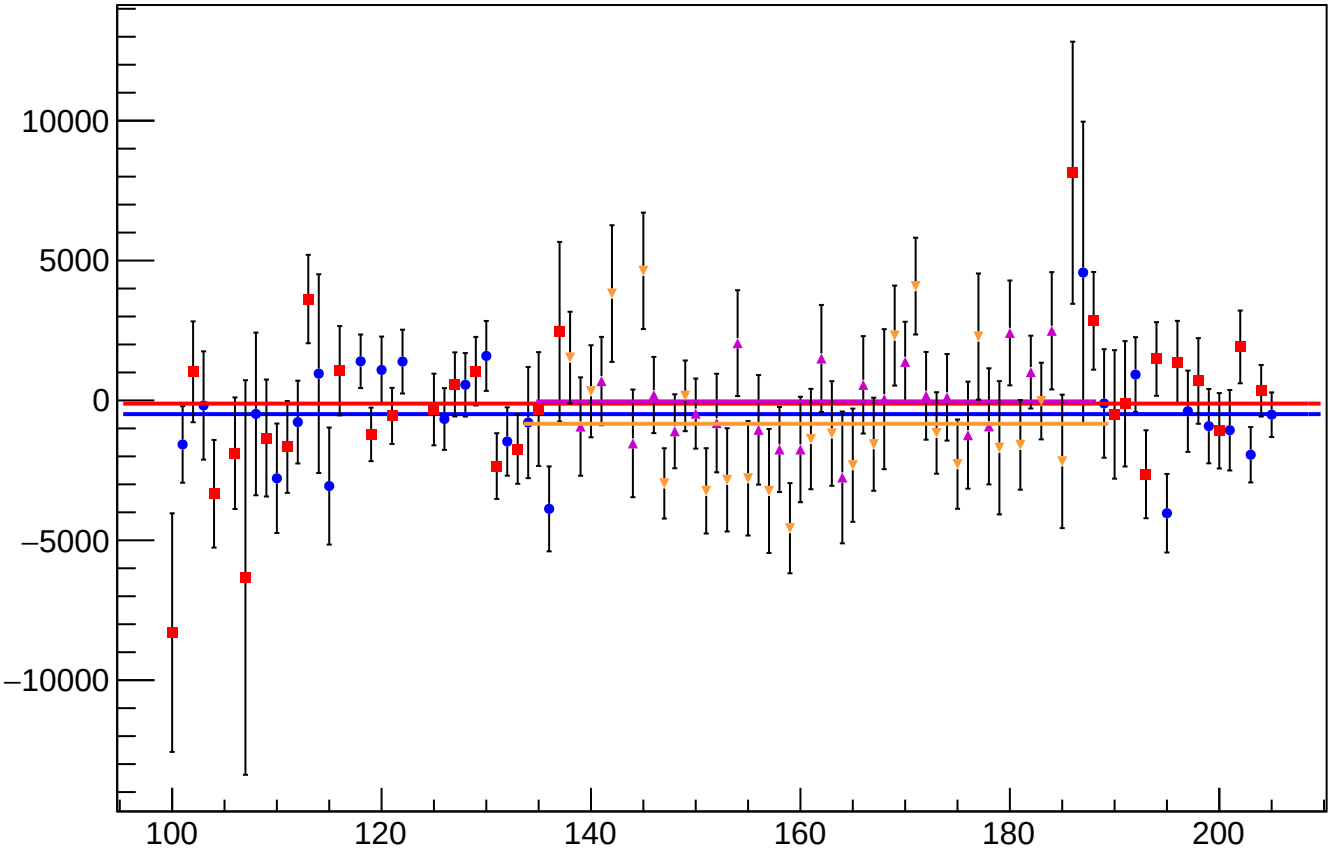
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

\+ sign 1103.480+/-0.137 χ^2/NDF: 19058.3/48

All: 1105.984+/-0.096 χ^2/NDF: 40976.9/100

\- sign 1108.436+/-0.135 χ^2/NDF: 21252.9/51

asym_usl_dit_correction_mean vs Slug



Right In: -489.533+/-271.294 χ^2/NDF: 32.2/24

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: -113.604+/-276.317 χ^2/NDF: 39.2/28

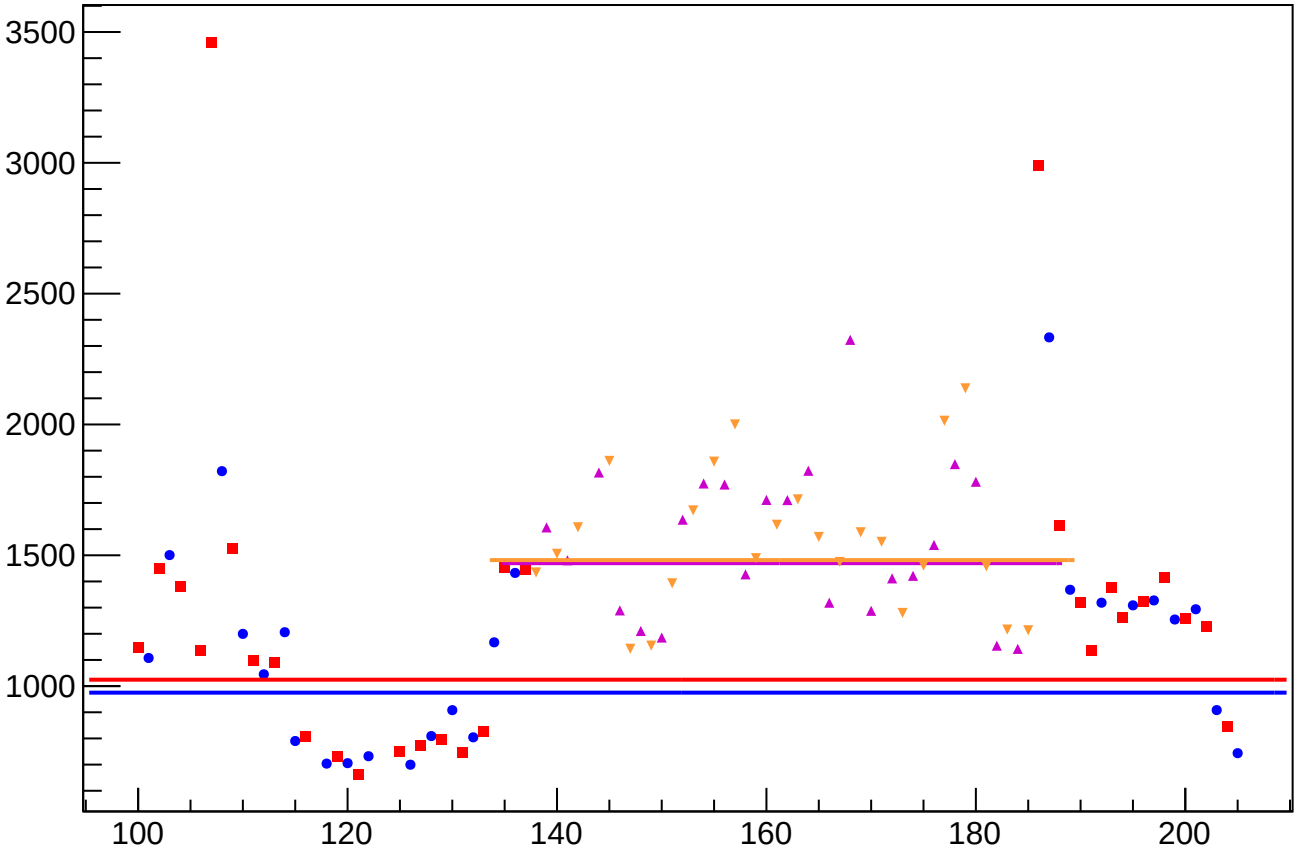
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -619.017+/-214.563 χ^2/NDF: 76.4/48

All: -354.063+/-152.500 χ^2/NDF: 131.8/100

- sign -83.583+/-216.789 χ^2/NDF: 52.4/51

asym_usl_dit_correction_rms vs Slug



Right In: 975.006+/-0.192 χ^2/NDF: 2092327.1/24

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1024.509+/-0.195 χ^2/NDF: 2758638.4/28

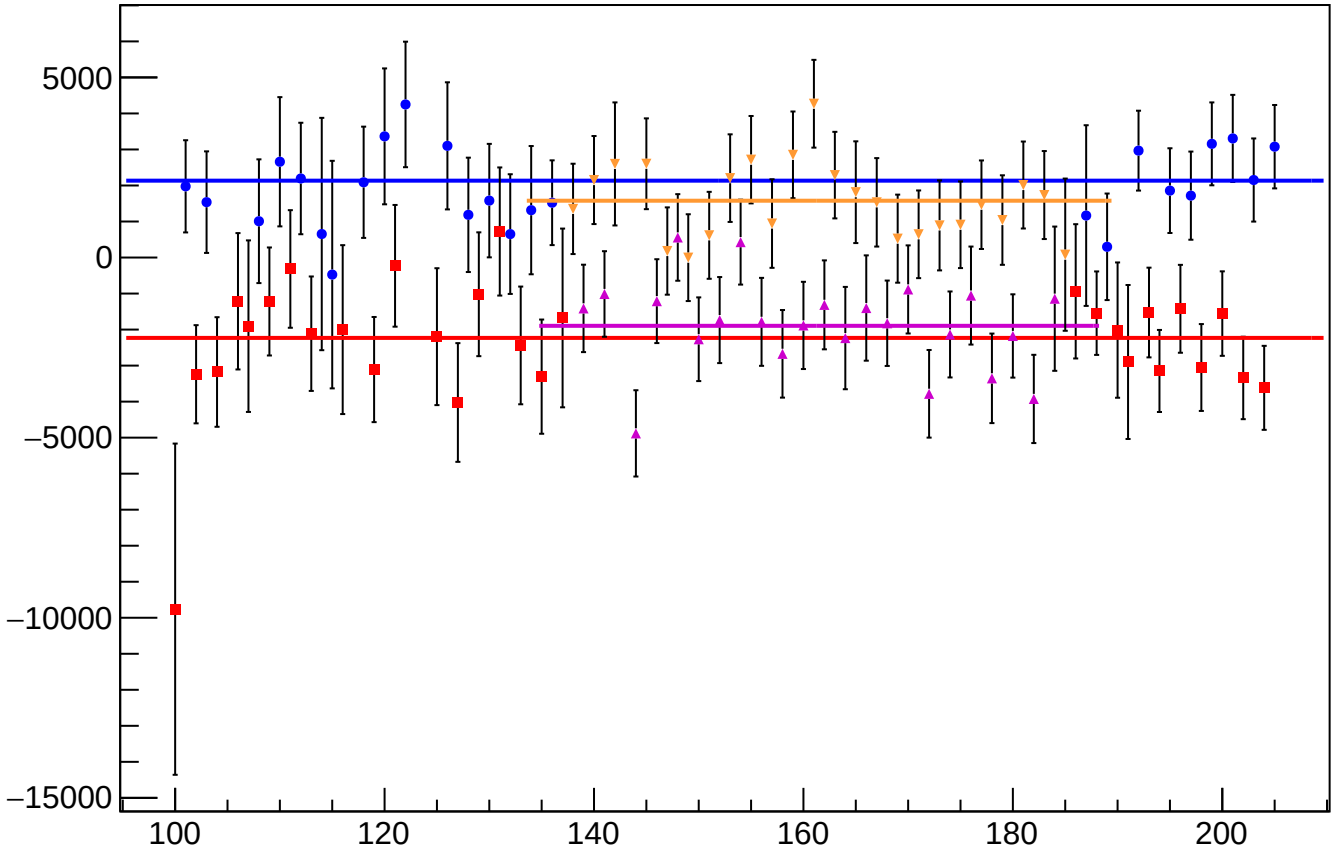
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1164.703+/-0.152 χ^2/NDF: 5720879.3/48

All: 1180.063+/-0.108 χ^2/NDF: 11593099.8/1

- sign 1195.744+/-0.153 χ^2/NDF: 5851506.4/51

eigen_dit_asym_usl_mean vs Slug



Right In: 2134.084+/-292.534 χ^2/NDF: 10.4/24

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: -2231.125+/-283.263 χ^2/NDF: 18.0/28

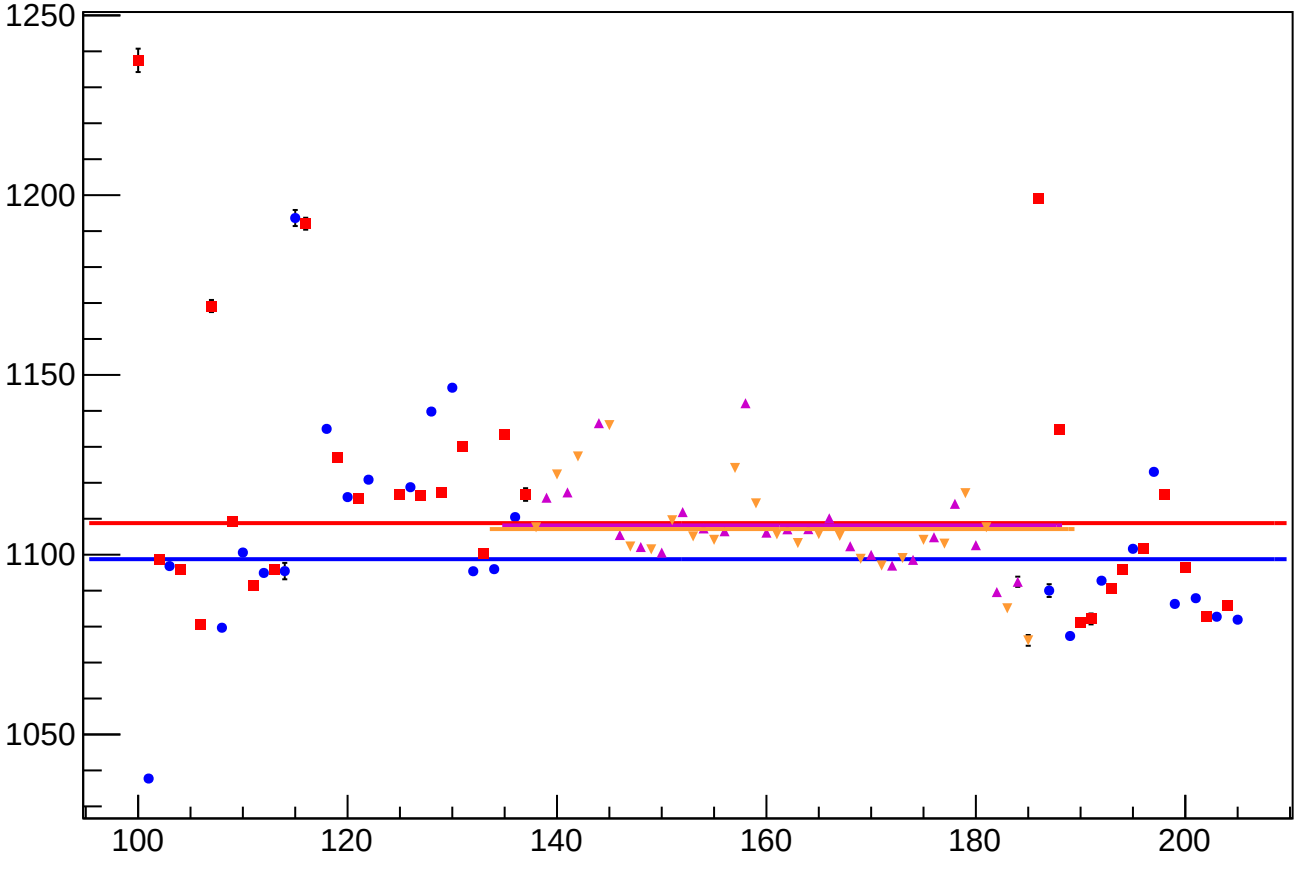
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1819.898+/-193.075 χ^2/NDF: 28.0/48

All: -134.609+/-135.801 χ^2/NDF: 273.6/100

- sign -2048.192+/-191.043 χ^2/NDF: 42.9/51

eigen_dit_asym_usl_rms vs Slug



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

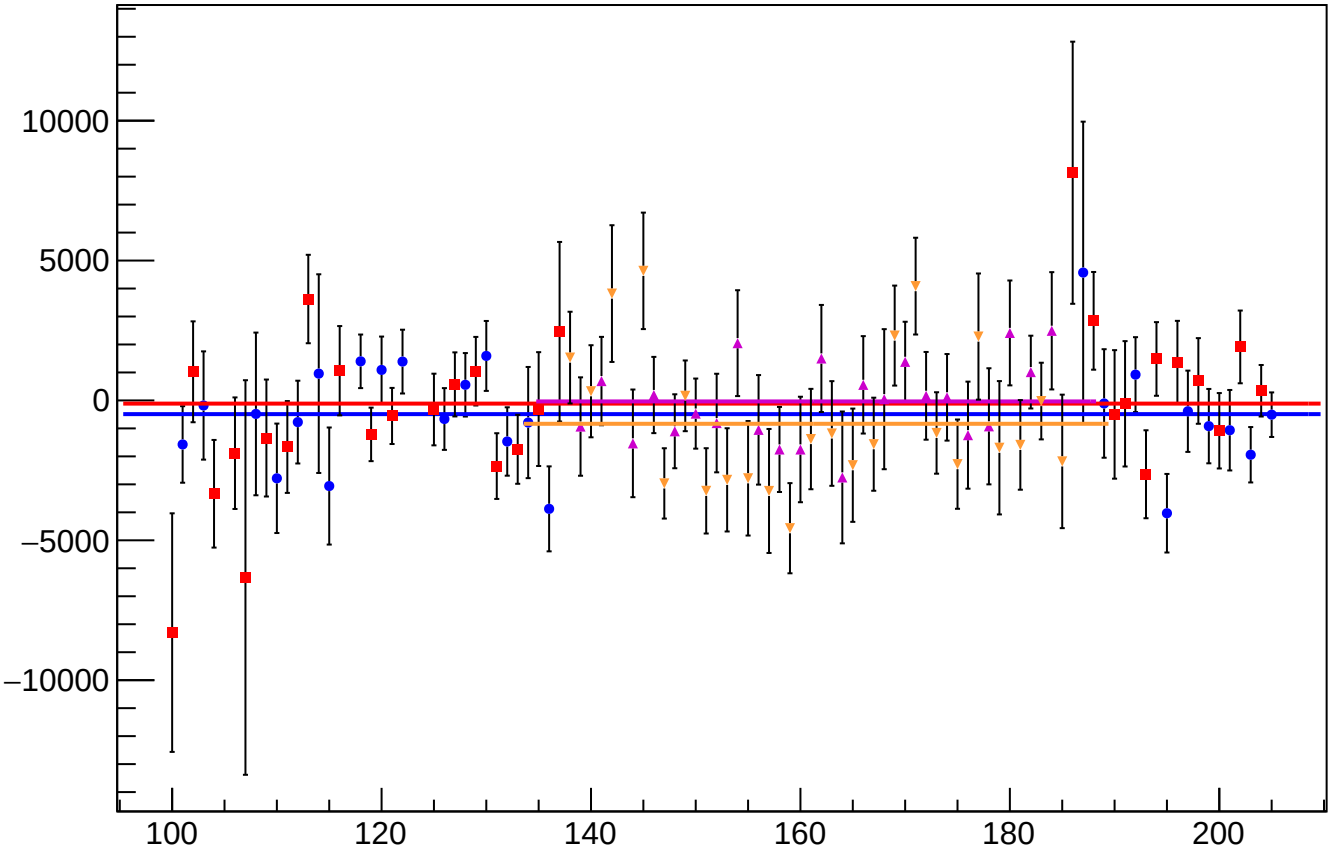
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1103.480+/-0.137 χ^2/NDF: 19058.3/48

All: 1105.984+/-0.096 χ^2/NDF: 40976.9/100

- sign 1108.436+/-0.135 χ^2/NDF: 21252.8/51

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -489.531+/-271.294 χ^2/NDF: 32.2/24

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: -113.605+/-276.317 χ^2/NDF: 39.2/28

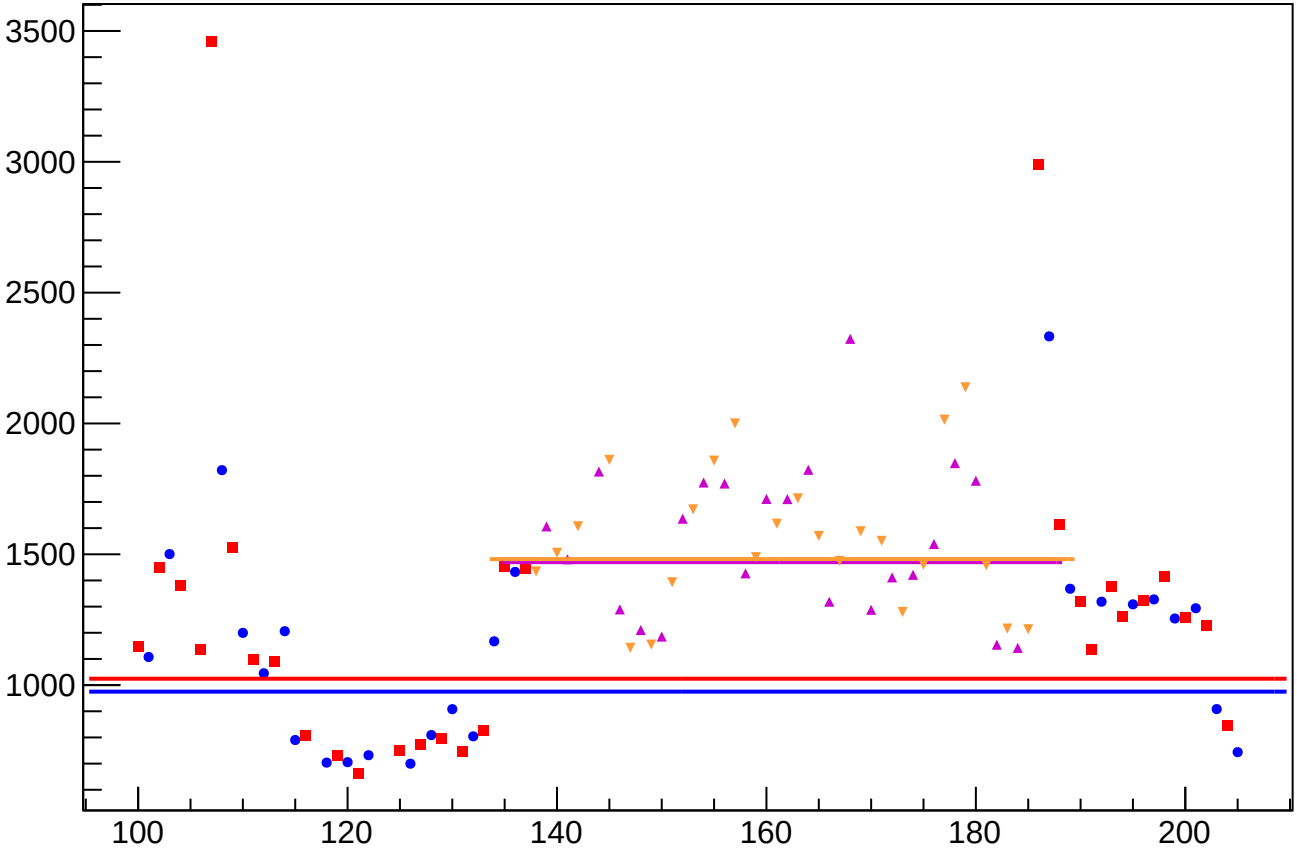
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -619.017+/-214.563 χ^2/NDF: 76.4/48

All: -354.064+/-152.500 χ^2/NDF: 131.8/100

- sign -83.583+/-216.789 χ^2/NDF: 52.4/51

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 975.005+/-0.192 χ^2/NDF: 2092335.2/24

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

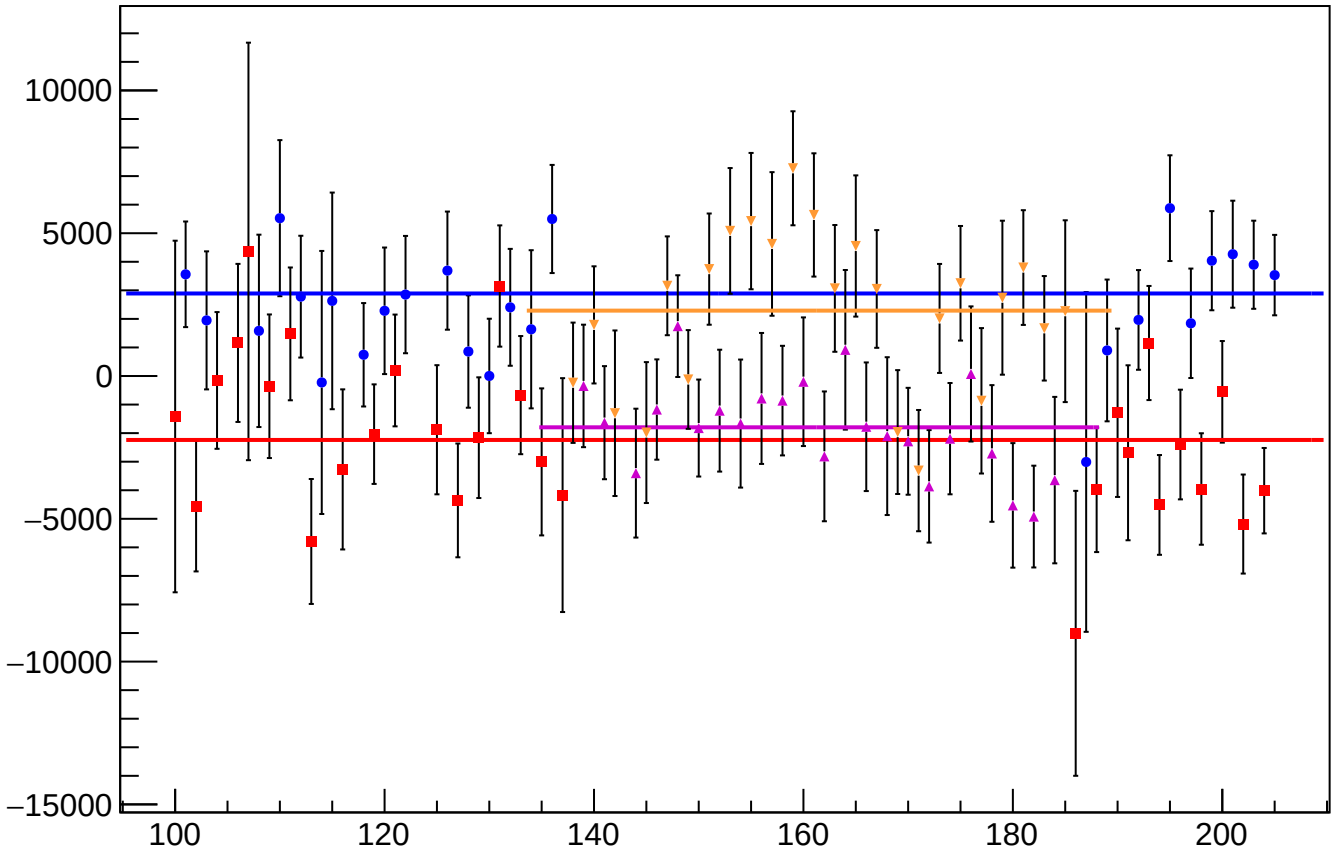
Right Out: 1024.508+/-0.195 χ^2/NDF: 2758650.7/28

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1164.702+/-0.152 χ^2/NDF: 5720910.5/48

All: 1180.062+/-0.108 χ^2/NDF: 11593166.8/1

- sign 1195.743+/-0.153 χ^2/NDF: 5851542.5/51



Right In: 2890.004+/-415.896 χ^2/NDF: 15.2/24

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: -2238.892+/-414.212 χ^2/NDF: 33.2/28

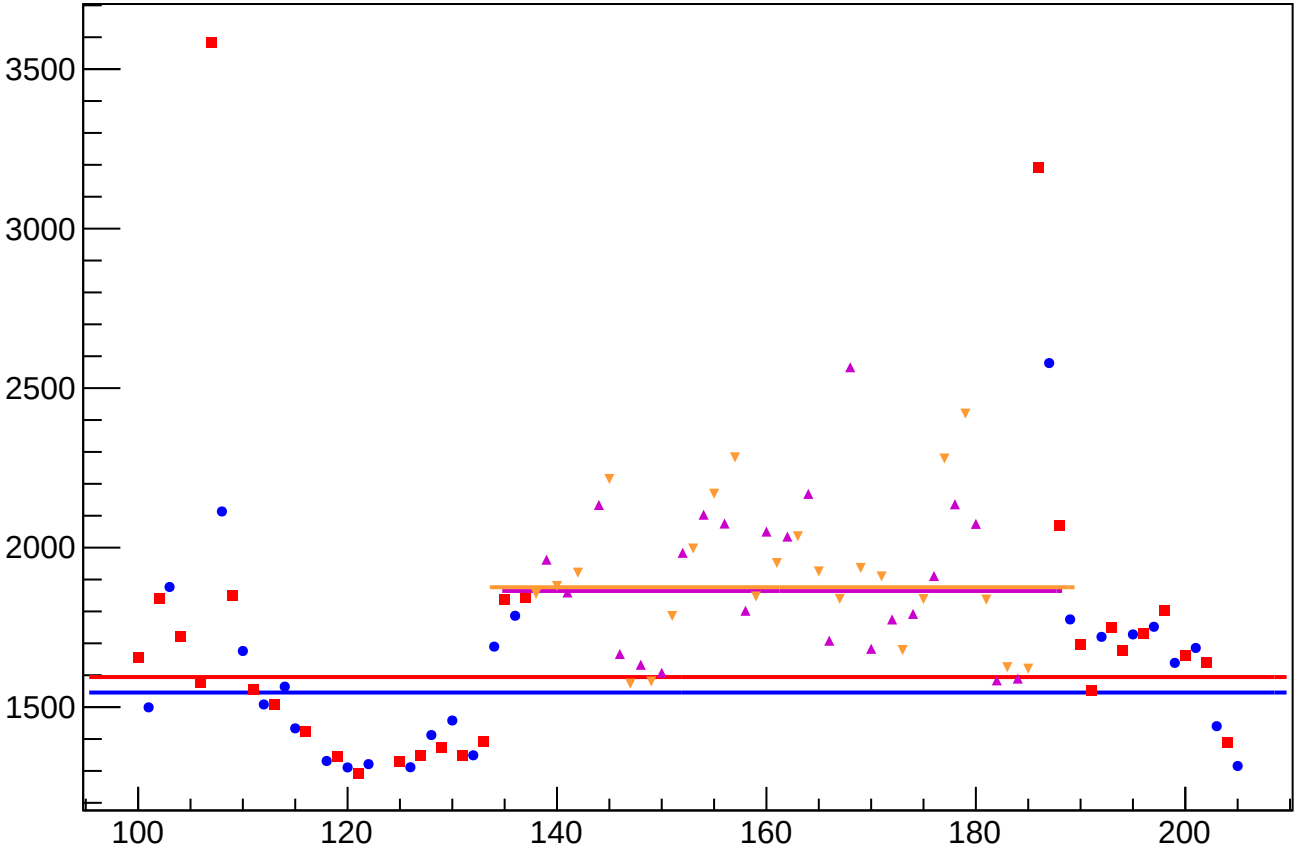
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2606.288+/-302.027 χ^2/NDF: 52.2/48

All: 282.454+/-213.315 χ^2/NDF: 218.3/100

- sign -2030.519+/-301.320 χ^2/NDF: 48.0/51

asym_usl_rms vs Slug



Right In: 1545.735+/-0.294 χ^2/NDF: 491333.8/24

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1594.240+/-0.293 χ^2/NDF: 844159.2/28

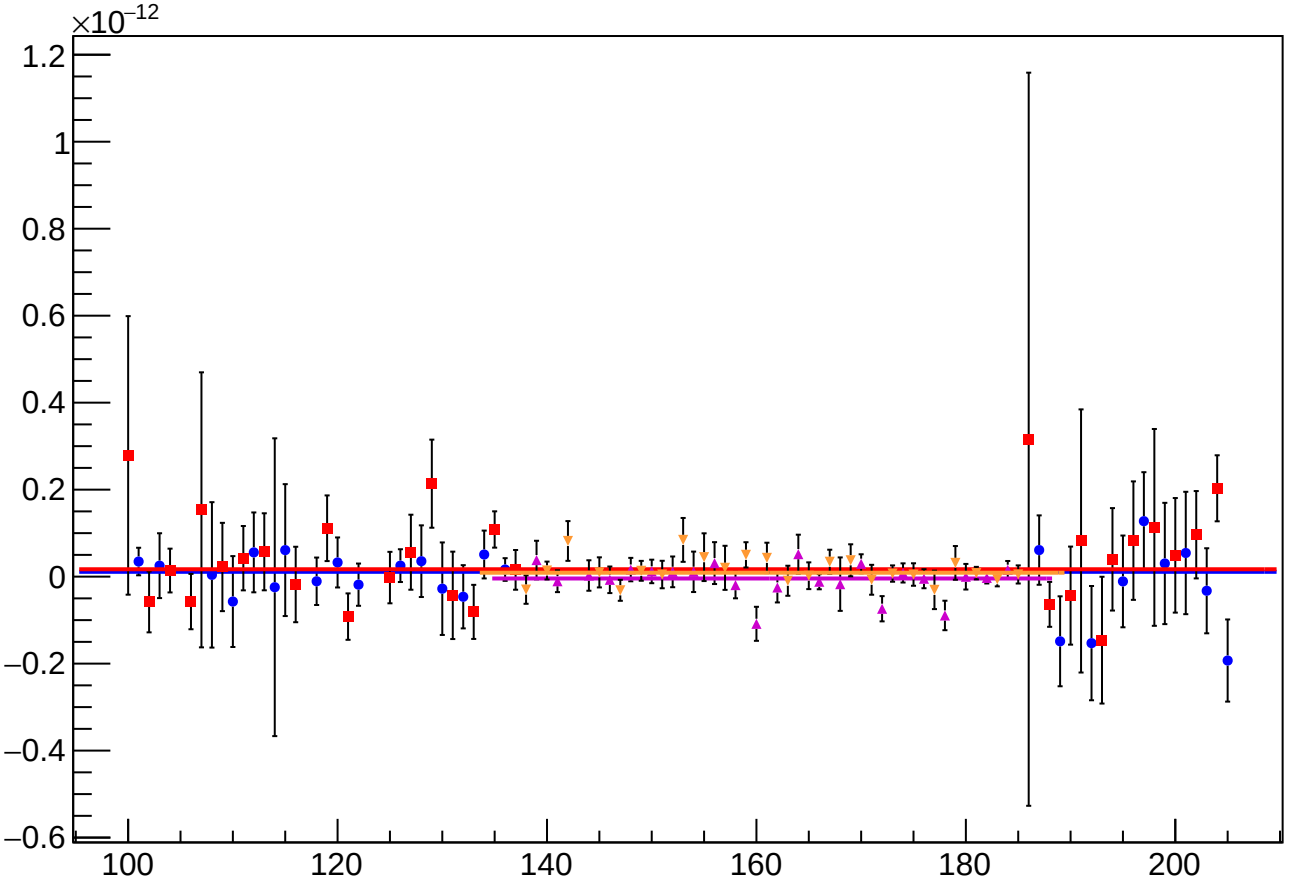
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1701.740+/-0.214 χ^2/NDF: 1559306.1/48

All: 1711.554+/-0.151 χ^2/NDF: 3318139.4/10

- sign 1721.322+/-0.213 χ^2/NDF: 1754619.7/51

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

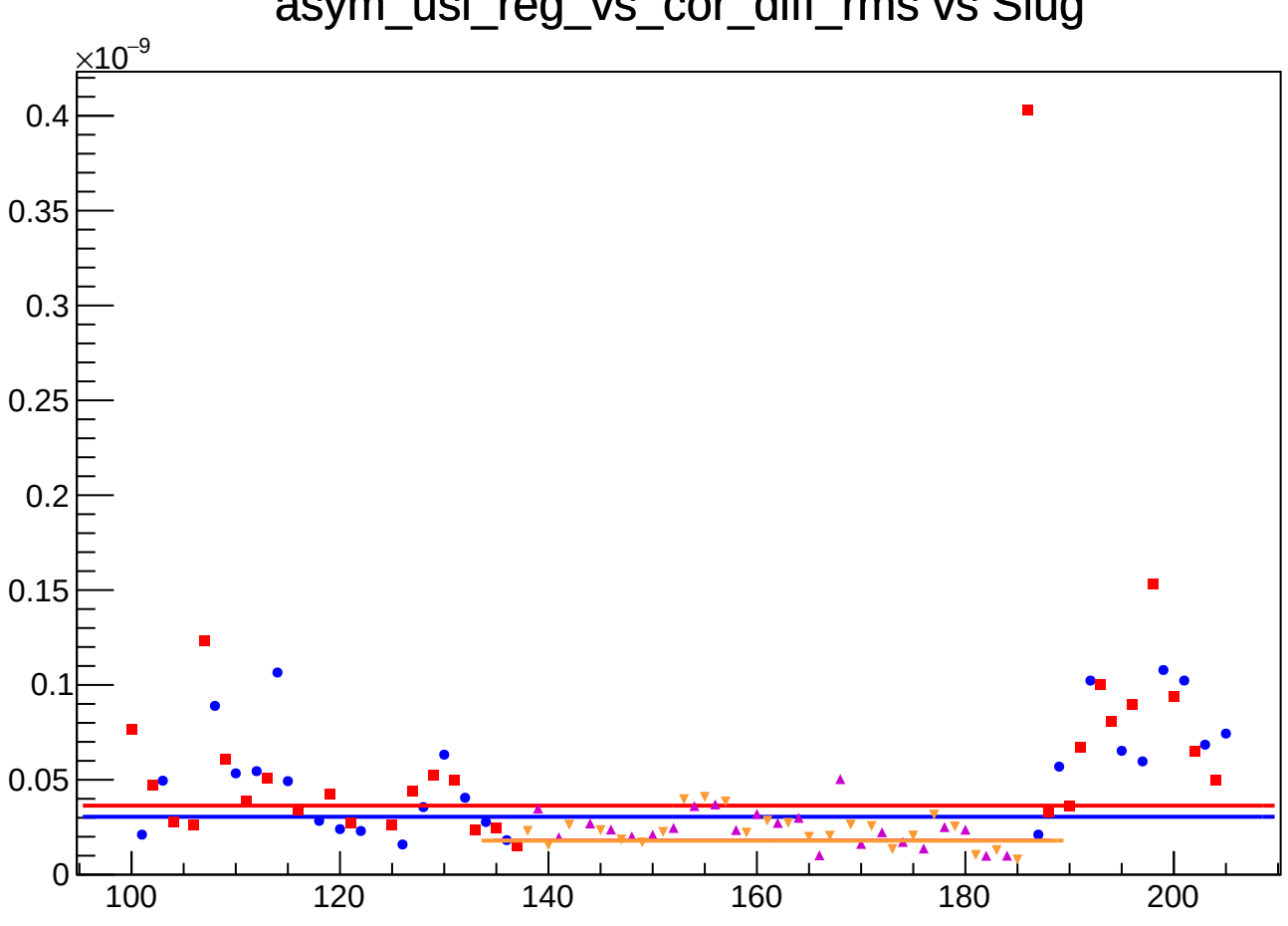
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/28

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/48

All: 0.000+/-0.000 χ^2/NDF: 95.6/100

- sign -0.000+/-0.000 χ^2/NDF: 62.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4952921.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3946683.1/28

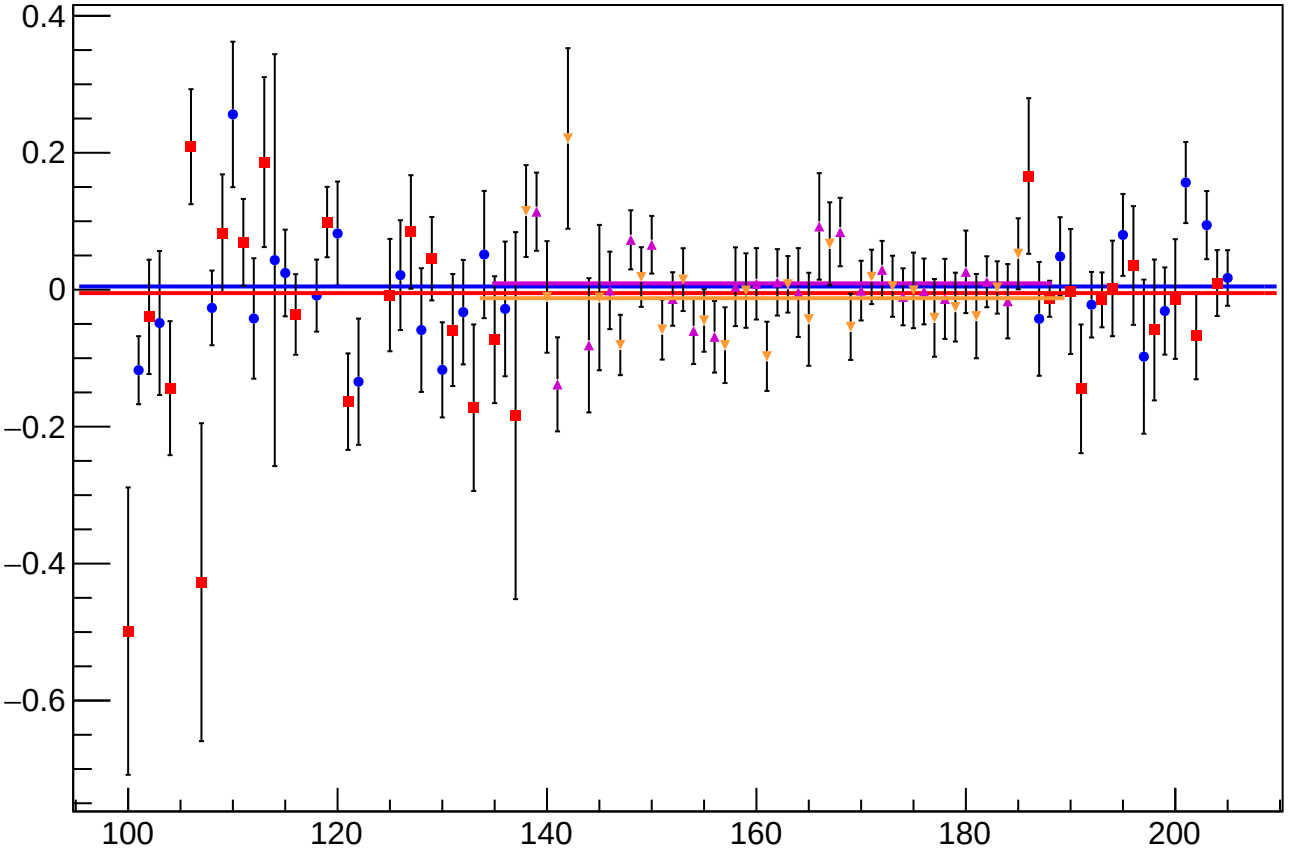
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10108807.5/48

All: 0.000+/-0.000 χ^2/NDF: 21084222.2/100

- sign 0.000+/-0.000 χ^2/NDF: 10966701.9/51

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

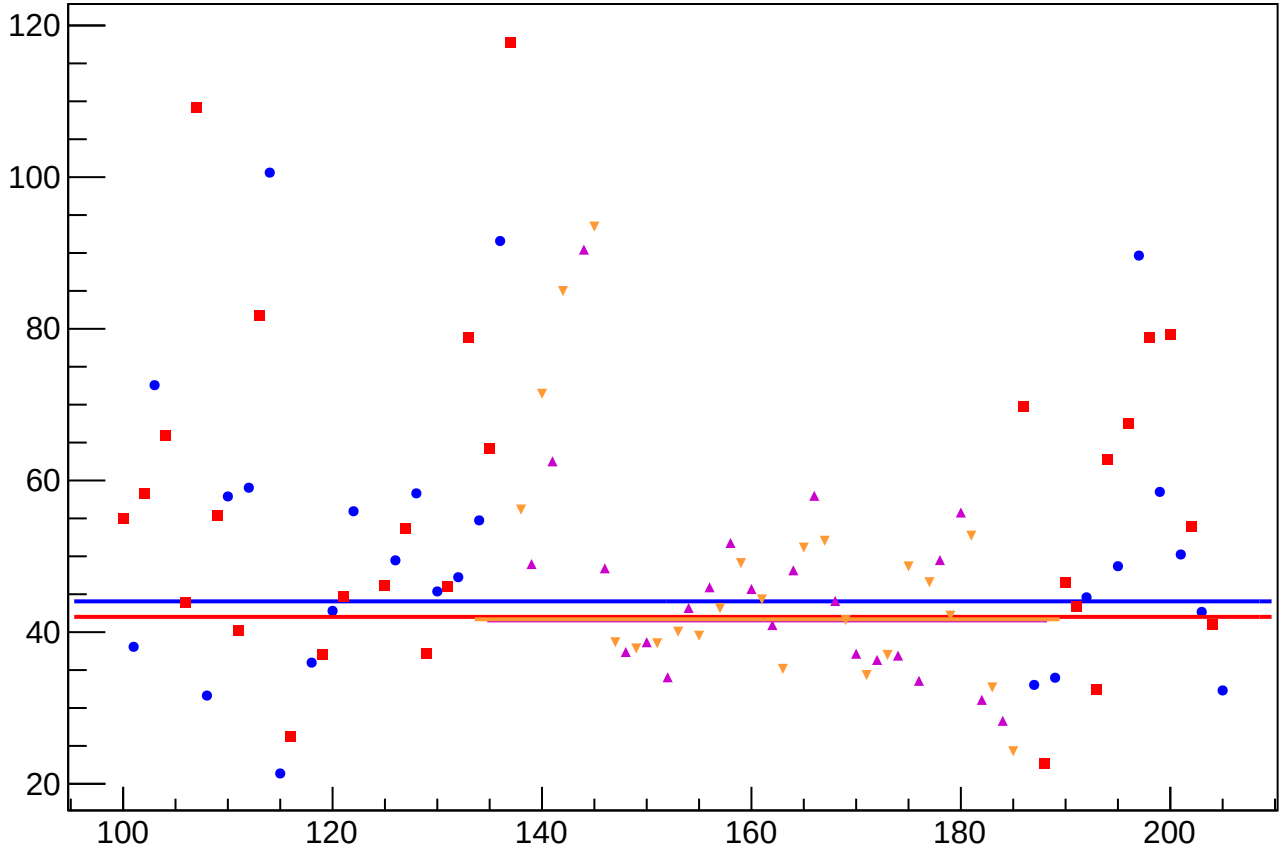
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: -0.001+/-0.006 χ^2/NDF: 123.4/100

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

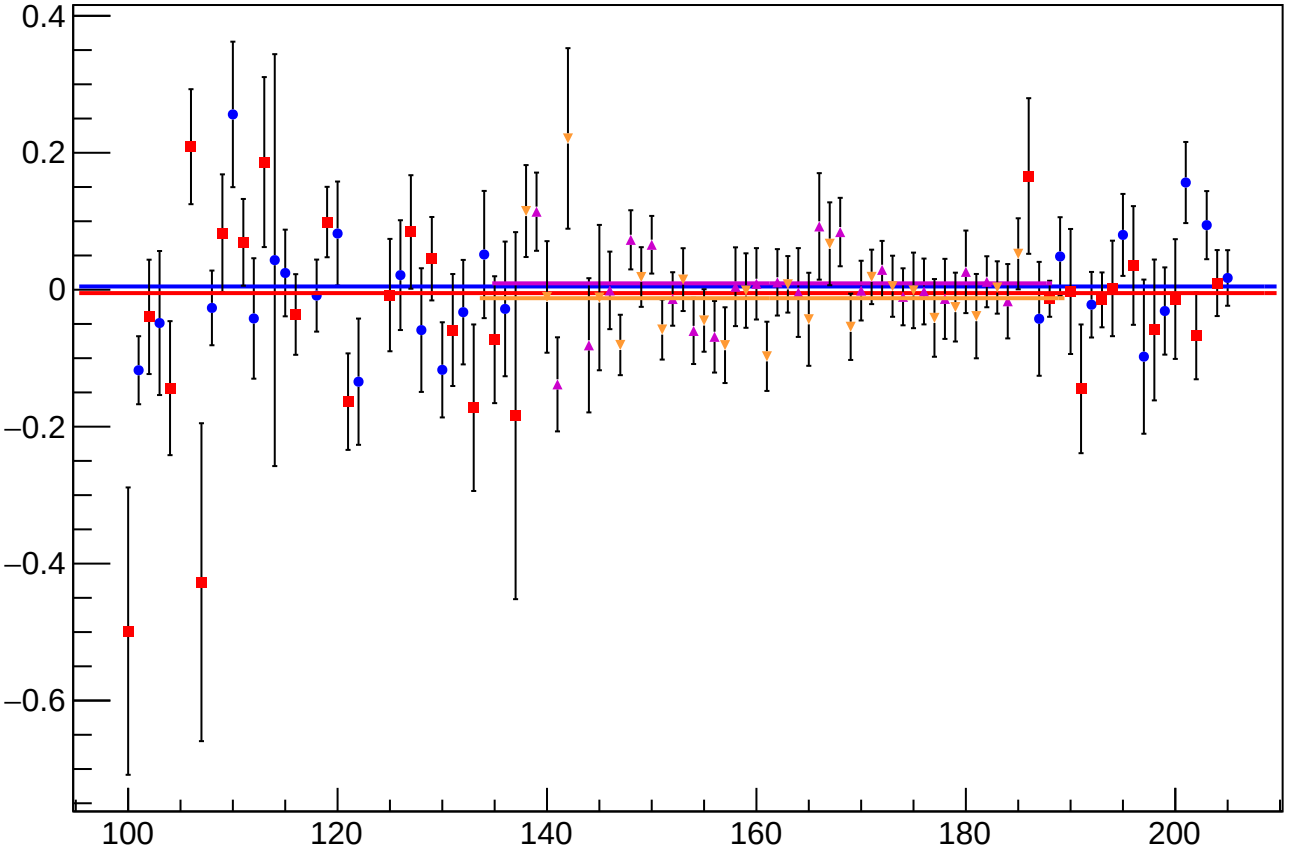
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.600+/-0.006 χ^2/NDF: 3928636.1/48

All: 42.160+/-0.004 χ^2/NDF: 9221524.9/100

- sign 41.740+/-0.006 χ^2/NDF: 5281788.3/51

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

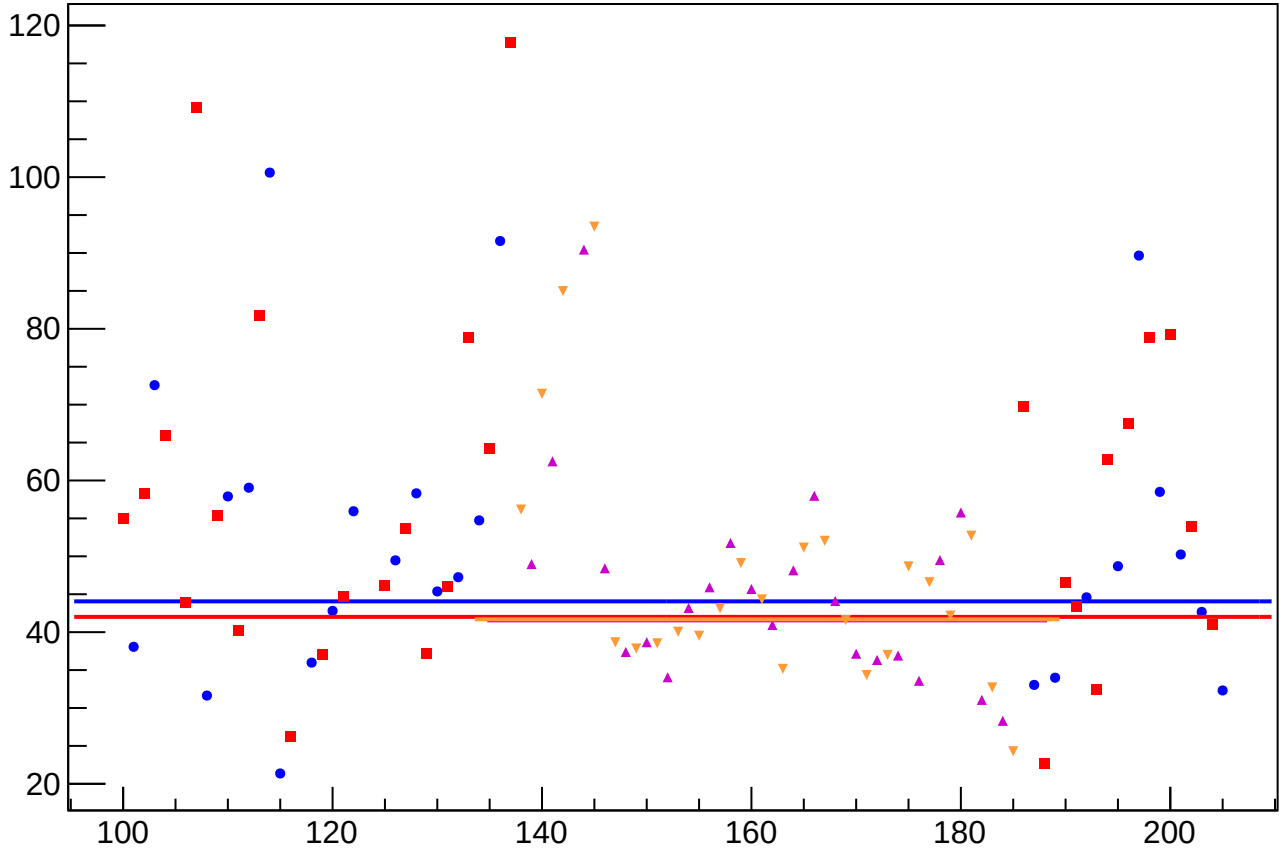
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: -0.001+/-0.006 χ^2/NDF: 123.4/100

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

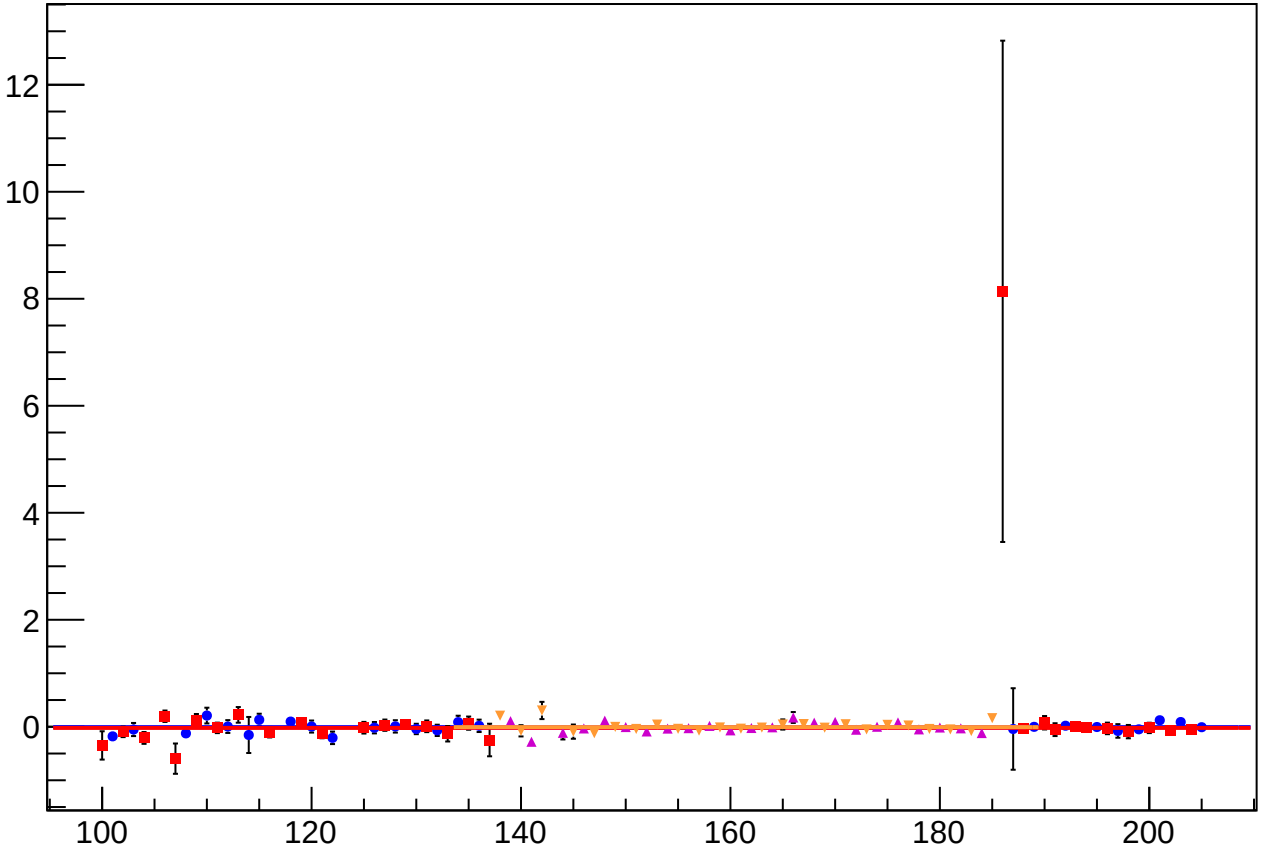
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.600+/-0.006 χ^2/NDF: 3928636.1/48

All: 42.160+/-0.004 χ^2/NDF: 9221524.9/100

- sign 41.740+/-0.006 χ^2/NDF: 5281788.3/51

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.021+/-0.018 χ^2/NDF: 27.9/28

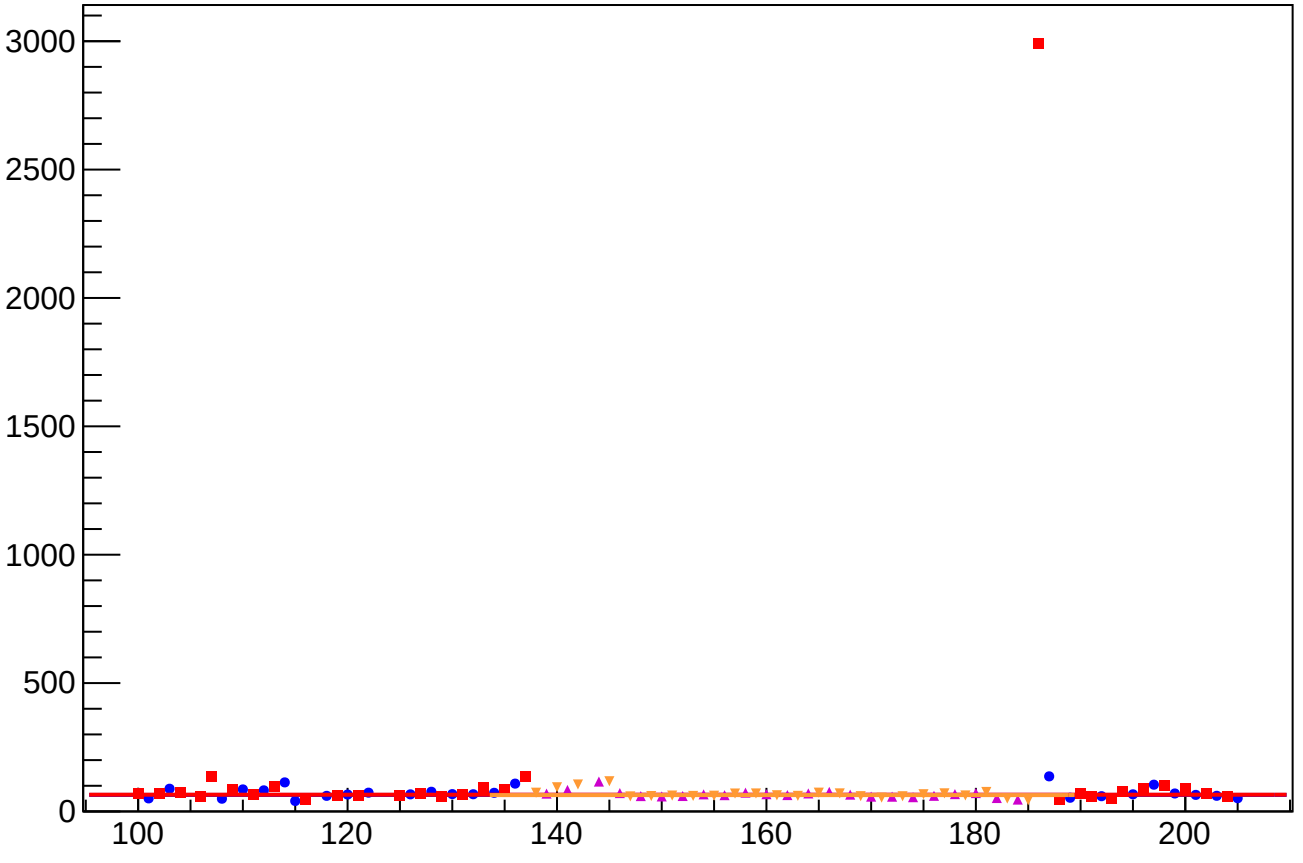
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.012 χ^2/NDF: 48.1/48

All: -0.010+/-0.008 χ^2/NDF: 104.6/100

- sign -0.013+/-0.012 χ^2/NDF: 56.3/51

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 64.354+/-0.013 χ^2/NDF: 1148300.3/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310149.3/28

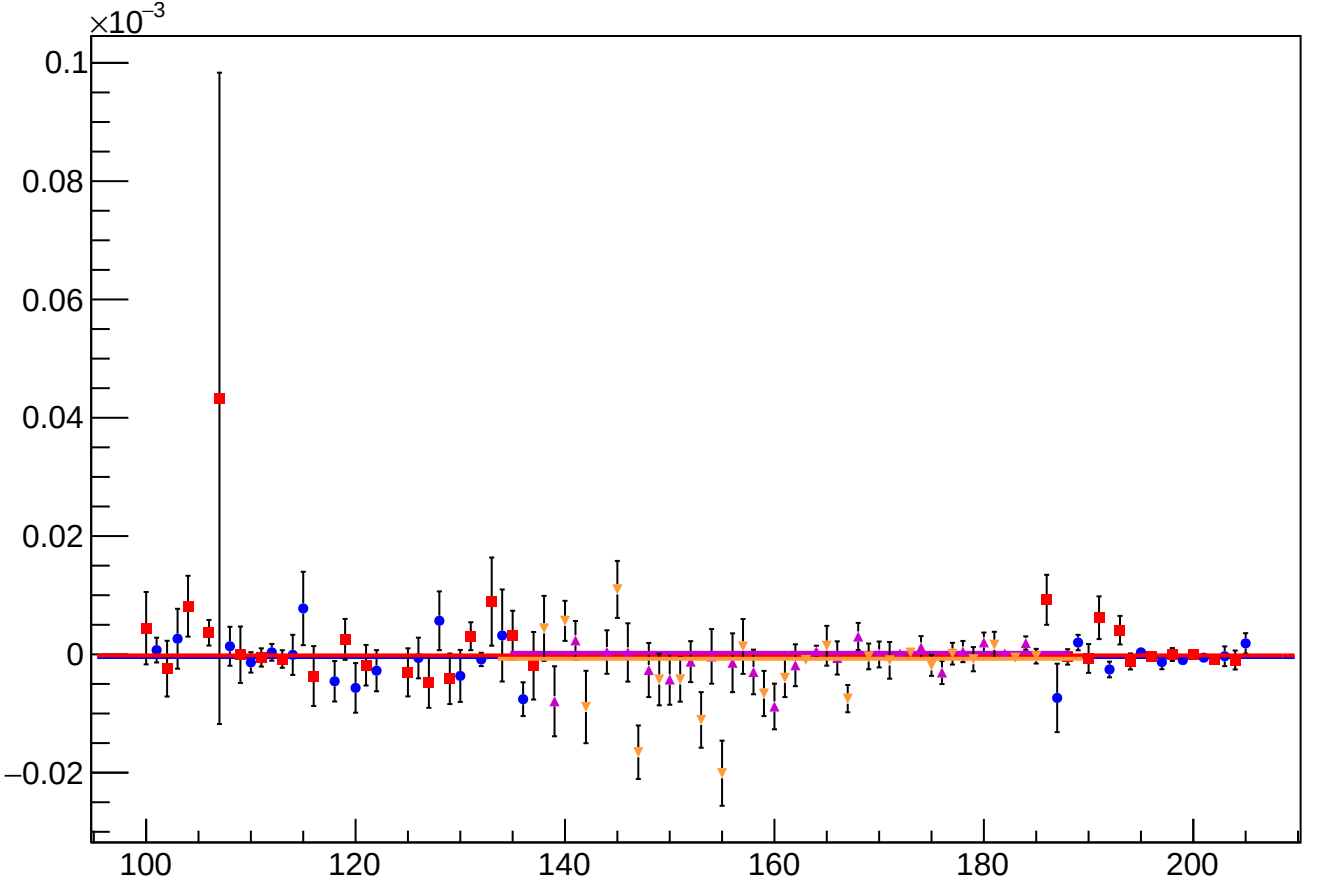
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

\+ sign 64.014+/-0.008 χ^2/NDF: 2228263.9/48

All: 64.278+/-0.006 χ^2/NDF: 5384246.6/100

\- sign 64.540+/-0.008 χ^2/NDF: 3154006.8/51

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/28

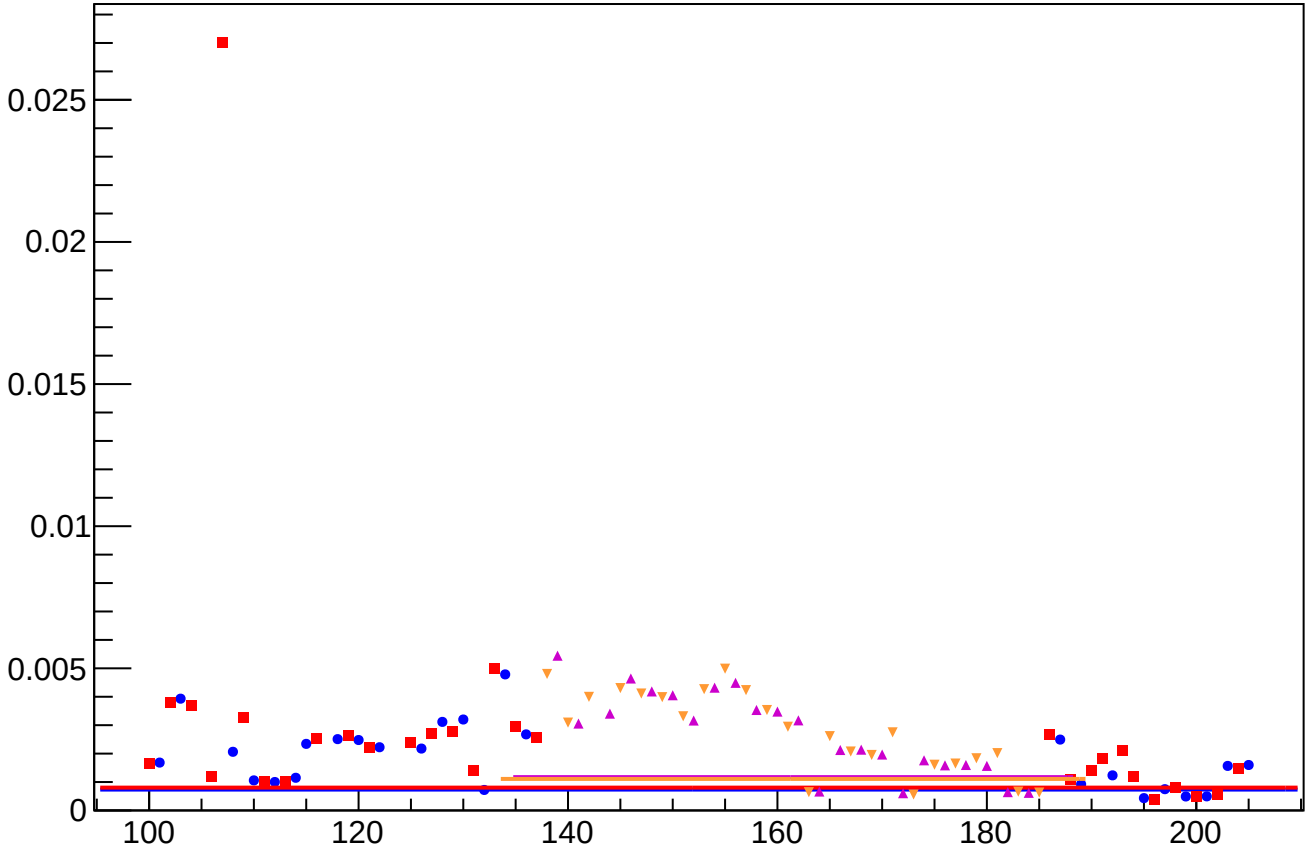
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.1/48

All: -0.000+/-0.000 χ^2/NDF: 140.6/100

- sign -0.000+/-0.000 χ^2/NDF: 48.3/51

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9015091.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10151510.9/28

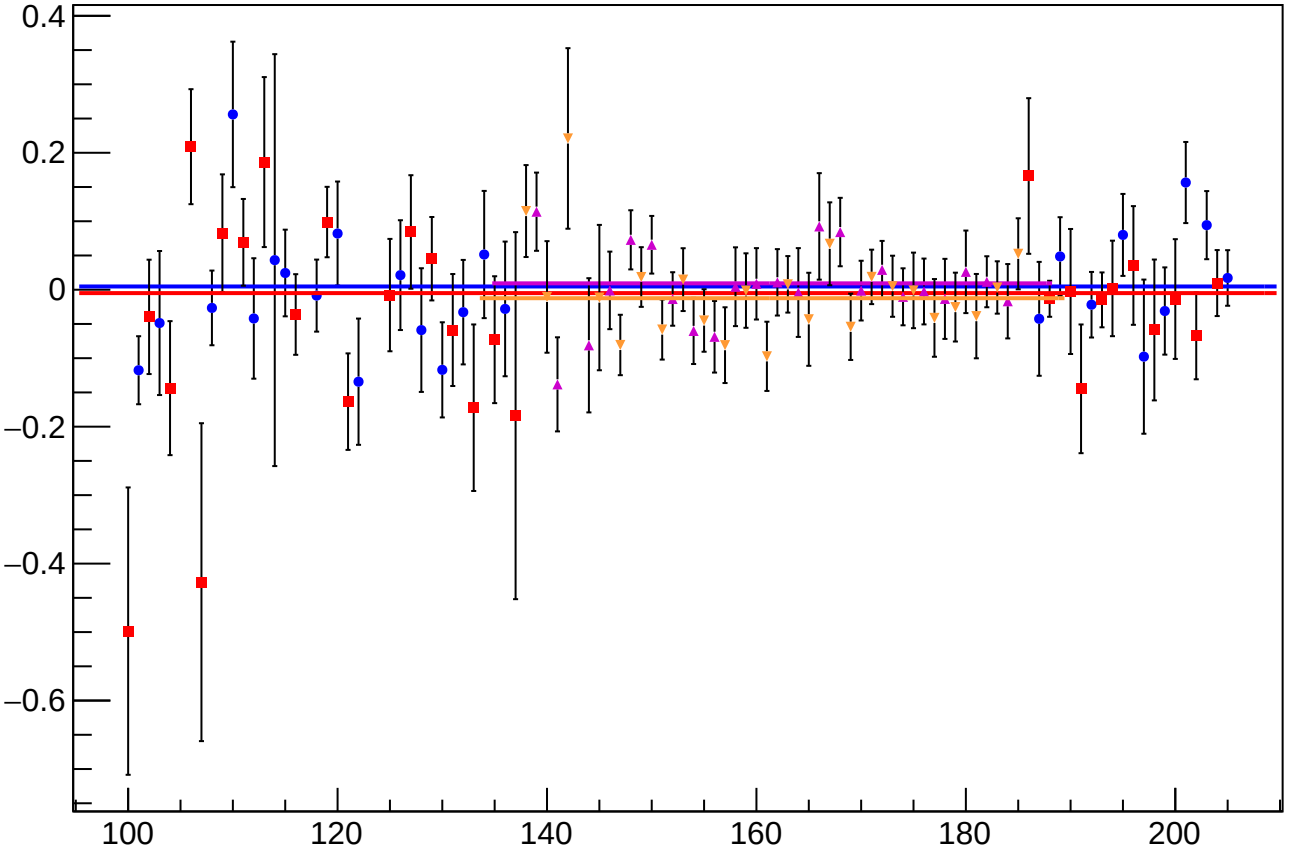
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 25741692.2/48

All: 0.001+/-0.000 χ^2/NDF: 51611720.3/100

- sign 0.001+/-0.000 χ^2/NDF: 25748847.5/51

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

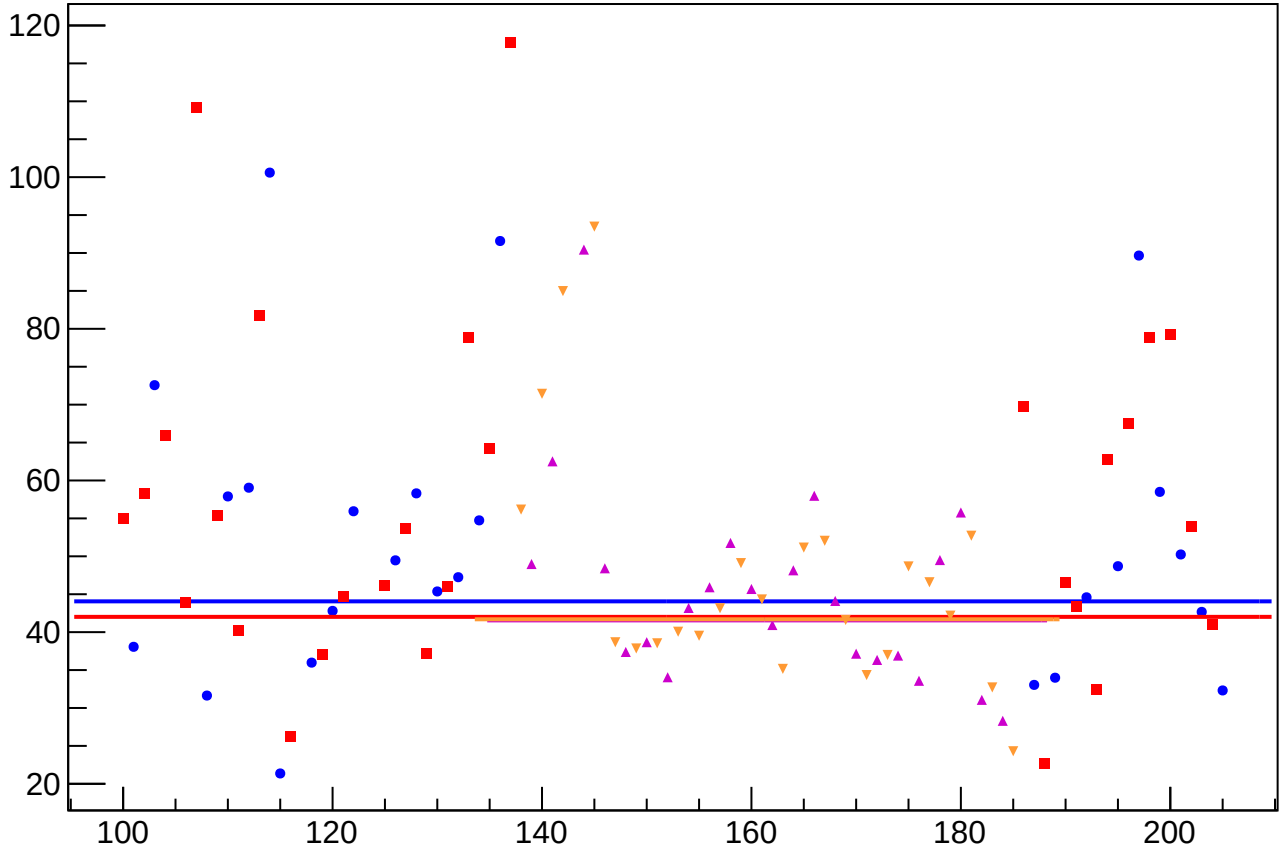
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: -0.001+/-0.006 χ^2/NDF: 123.4/100

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

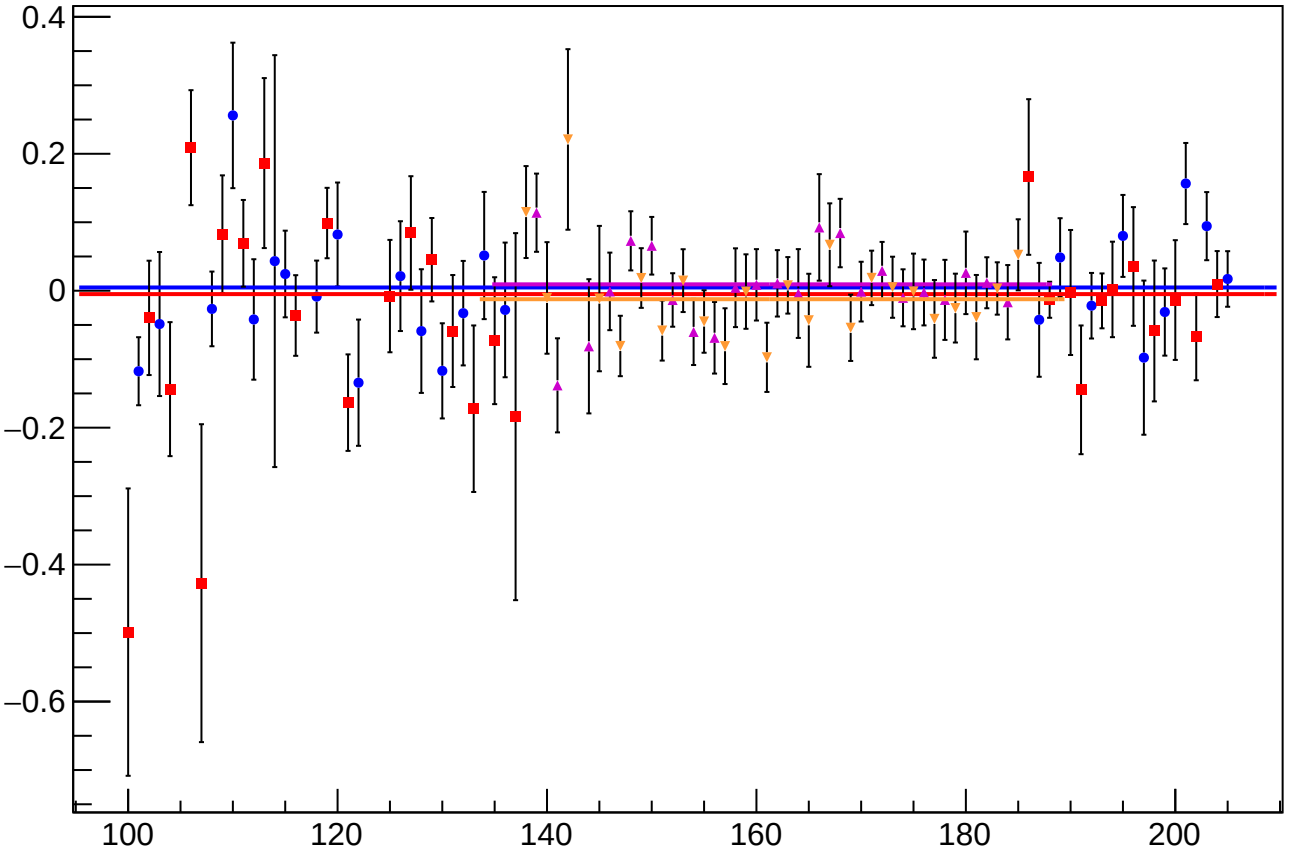
Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.599+/-0.006 χ^2/NDF: 3928636.4/48

All: 42.160+/-0.004 χ^2/NDF: 9221287.0/100

- sign 41.741+/-0.006 χ^2/NDF: 5281558.3/51



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.005+/-0.013 χ^2/NDF: 43.1/28

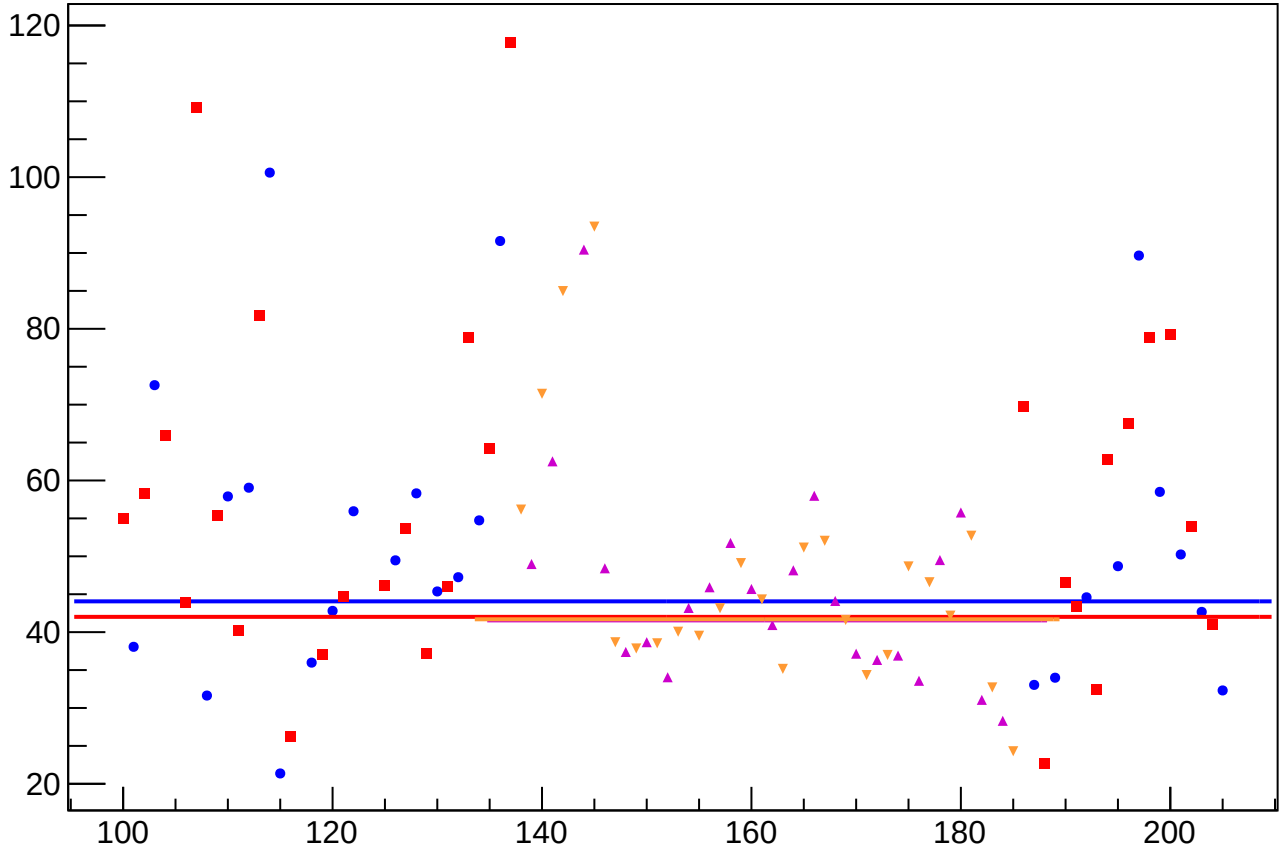
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: -0.001+/-0.006 χ^2/NDF: 123.4/100

- sign 0.003+/-0.008 χ^2/NDF: 65.7/51

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

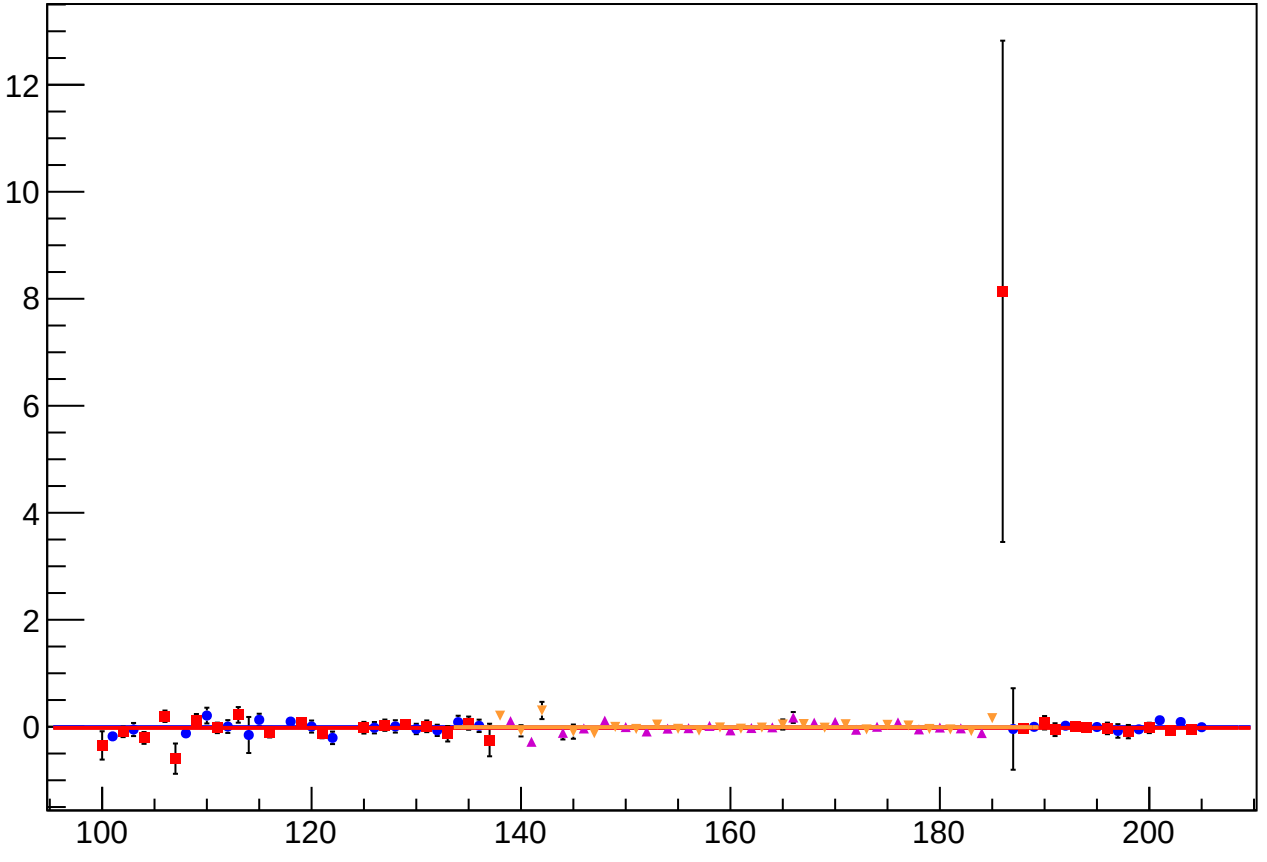
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.599+/-0.006 χ^2/NDF: 3928636.4/48

All: 42.160+/-0.004 χ^2/NDF: 9221287.0/100

- sign 41.741+/-0.006 χ^2/NDF: 5281558.3/51

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.021+/-0.018 χ^2/NDF: 27.9/28

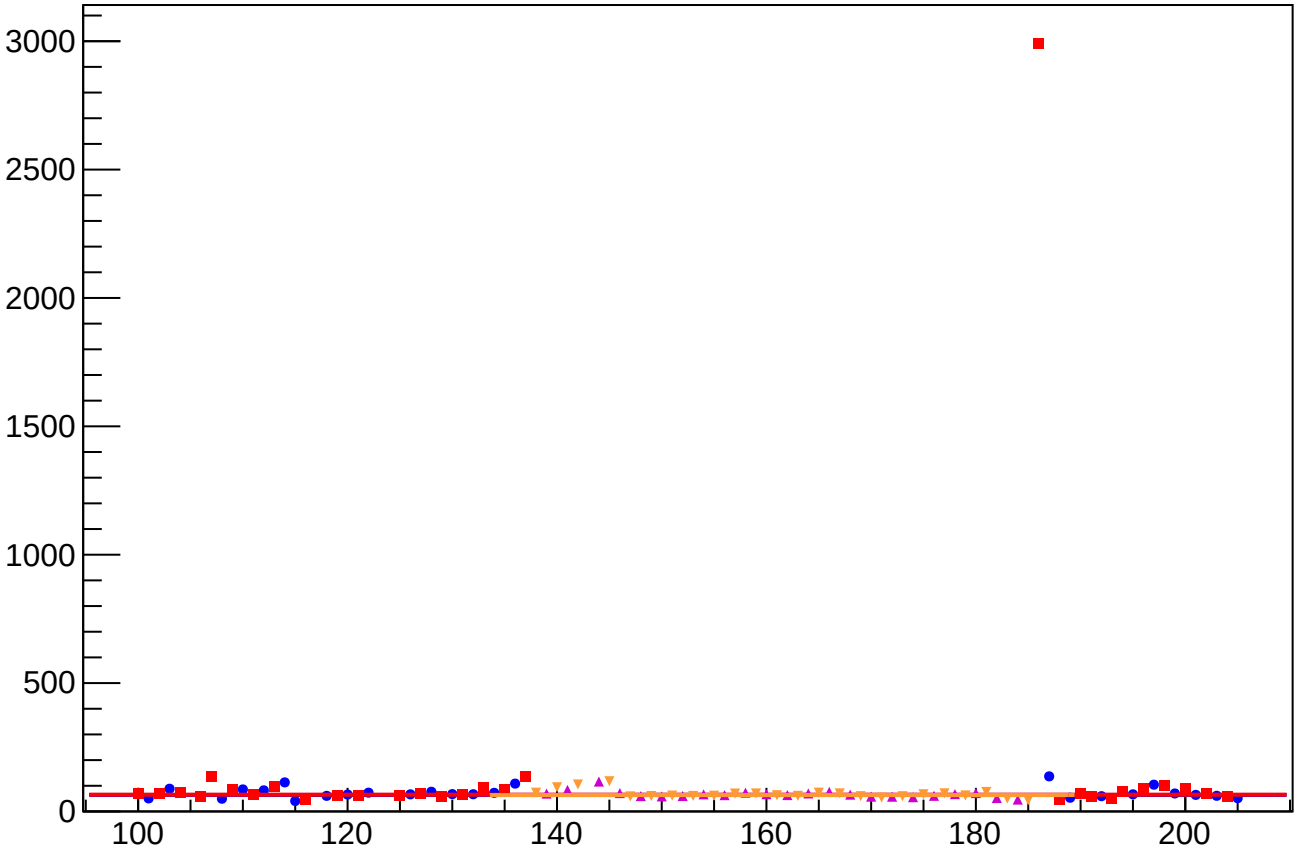
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.012 χ^2/NDF: 48.1/48

All: -0.010+/-0.008 χ^2/NDF: 104.6/100

- sign -0.013+/-0.012 χ^2/NDF: 56.3/51

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 64.354+/-0.013 χ^2/NDF: 1148308.6/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310126.1/28

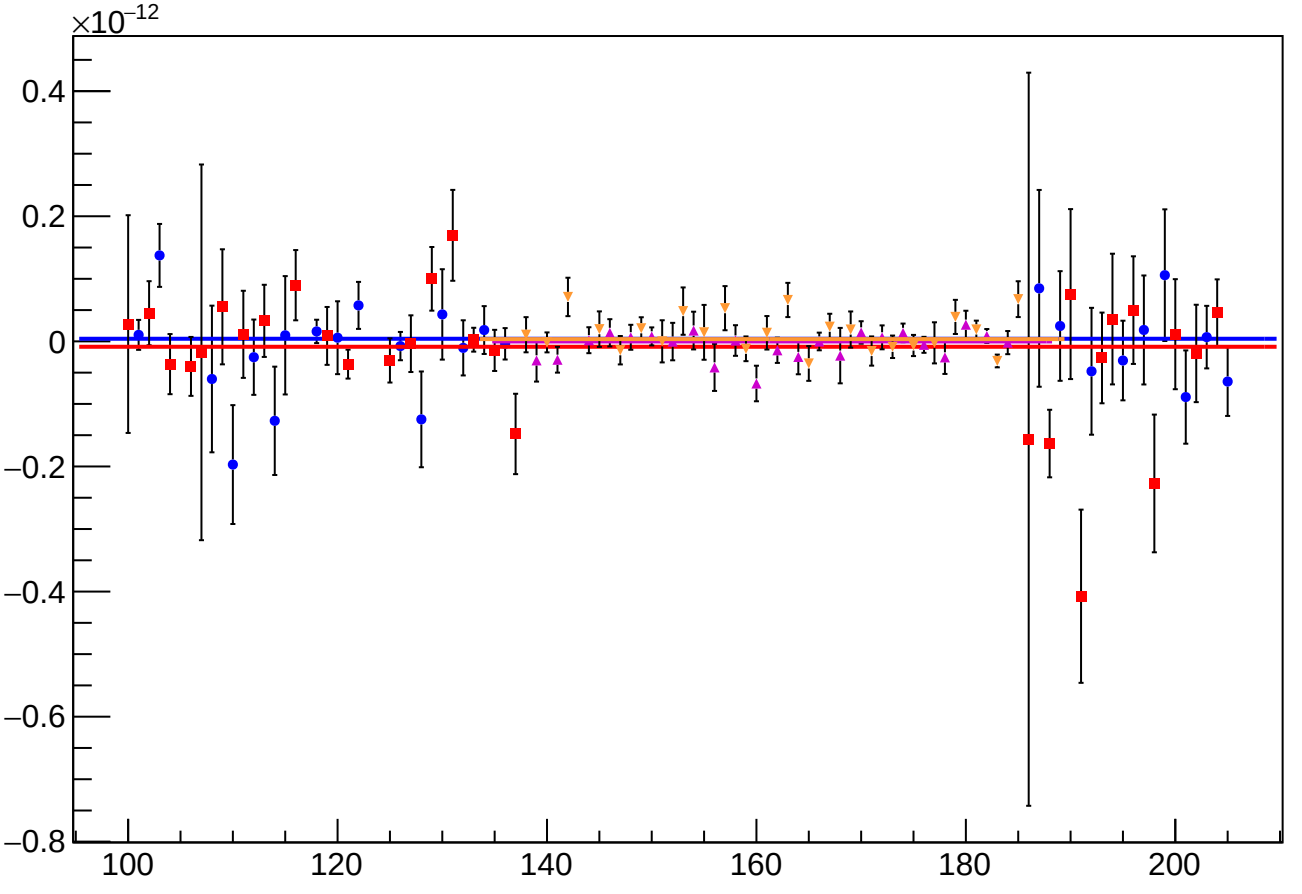
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.014+/-0.008 χ^2/NDF: 2228258.4/48

All: 64.277+/-0.006 χ^2/NDF: 5384210.0/100

- sign 64.540+/-0.008 χ^2/NDF: 3153975.5/51

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/28

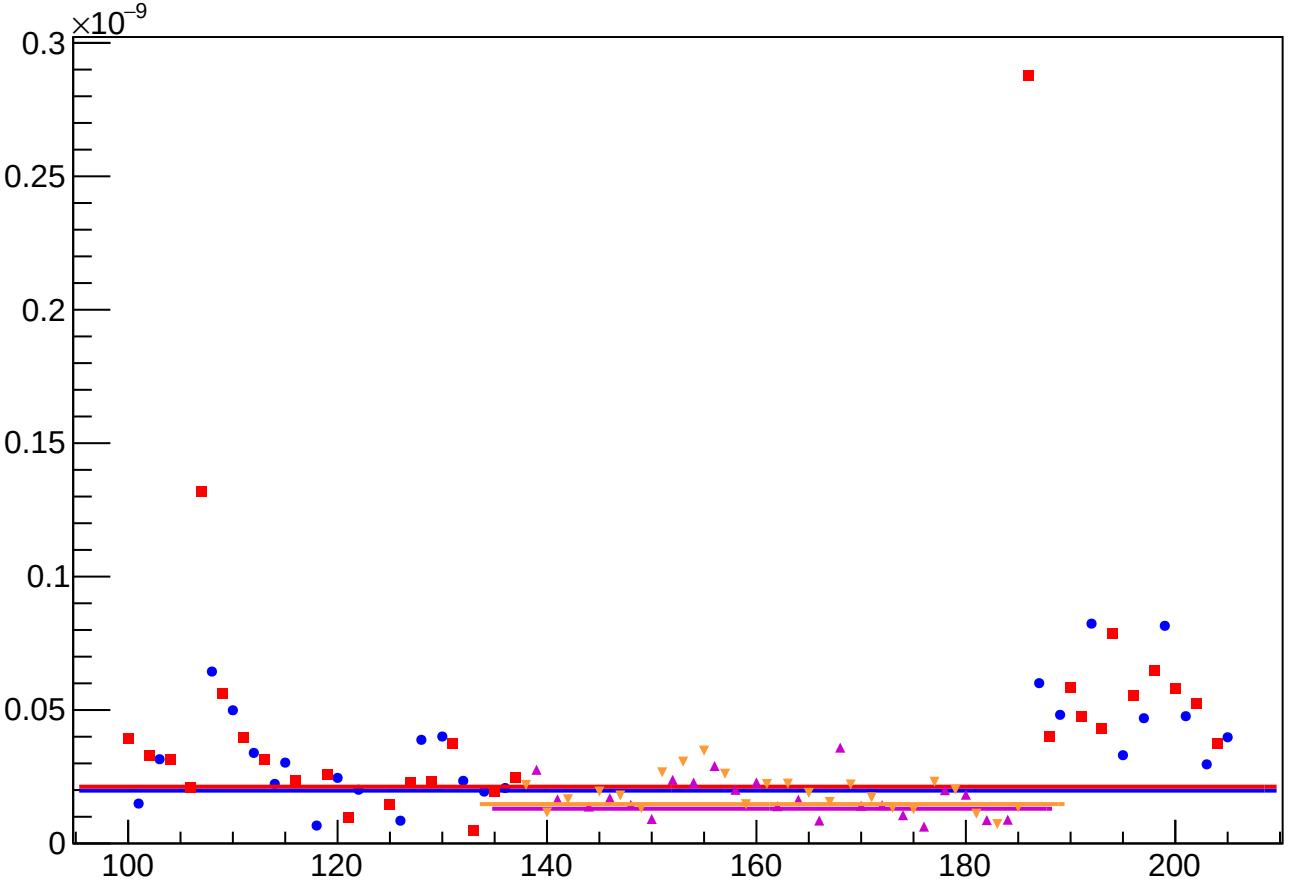
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/48

All: 0.000+/-0.000 χ^2/NDF: 131.3/100

- sign -0.000+/-0.000 χ^2/NDF: 64.2/51

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5303085.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6290797.4/28

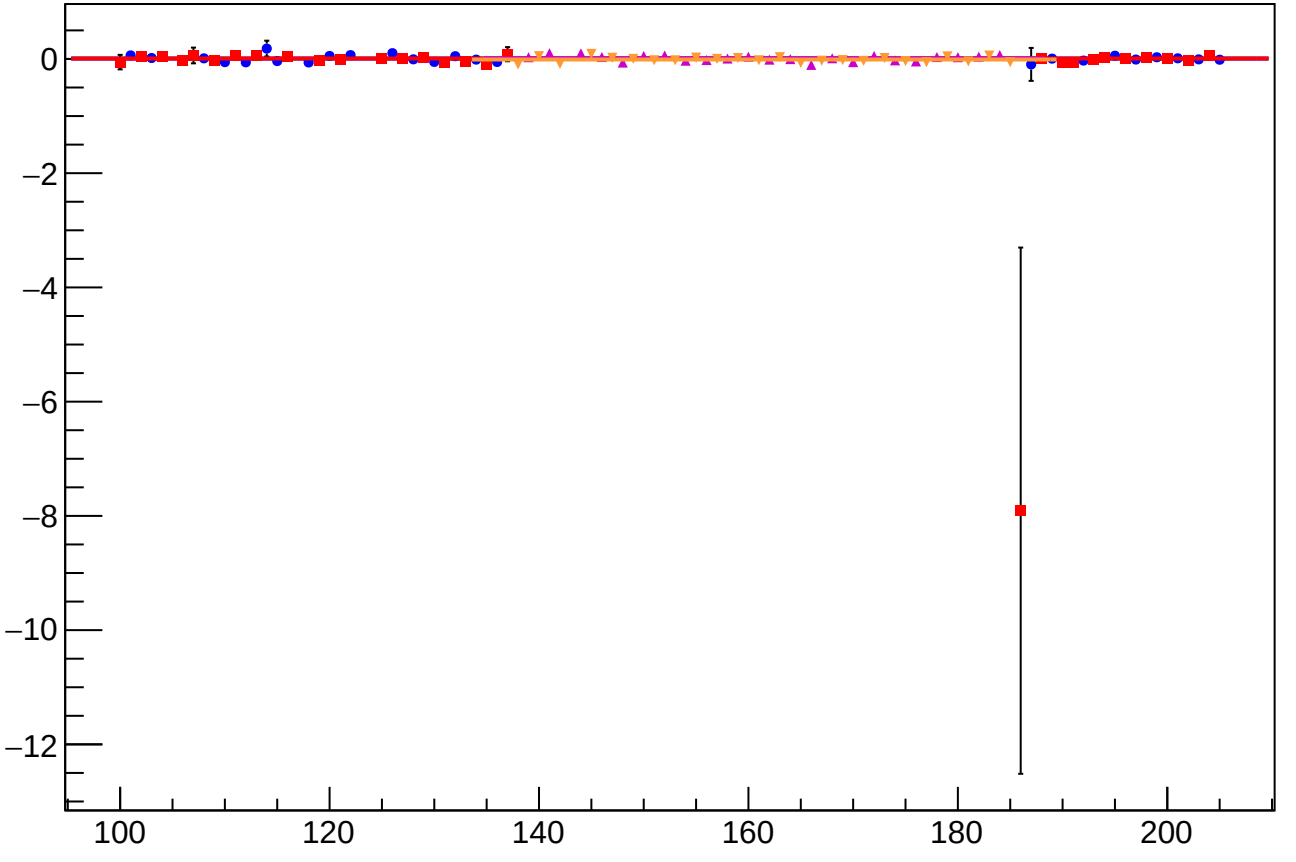
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9379563.2/48

All: 0.000+/-0.000 χ^2/NDF: 21101212.6/100

- sign 0.000+/-0.000 χ^2/NDF: 11582478.9/51

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.007+/-0.009 χ^2/NDF: 20.7/28

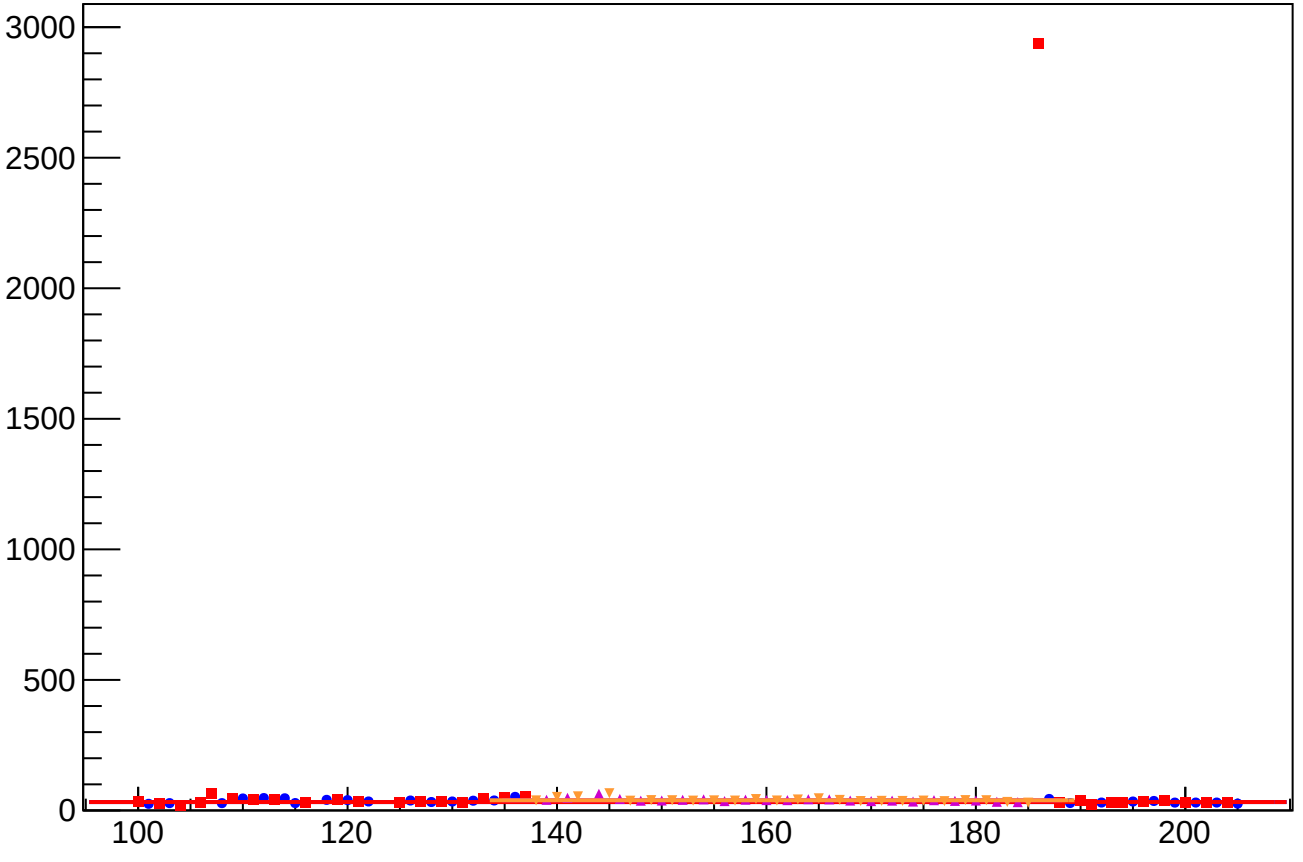
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.3/48

All: 0.004+/-0.005 χ^2/NDF: 85.6/100

- sign 0.009+/-0.007 χ^2/NDF: 44.1/51

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

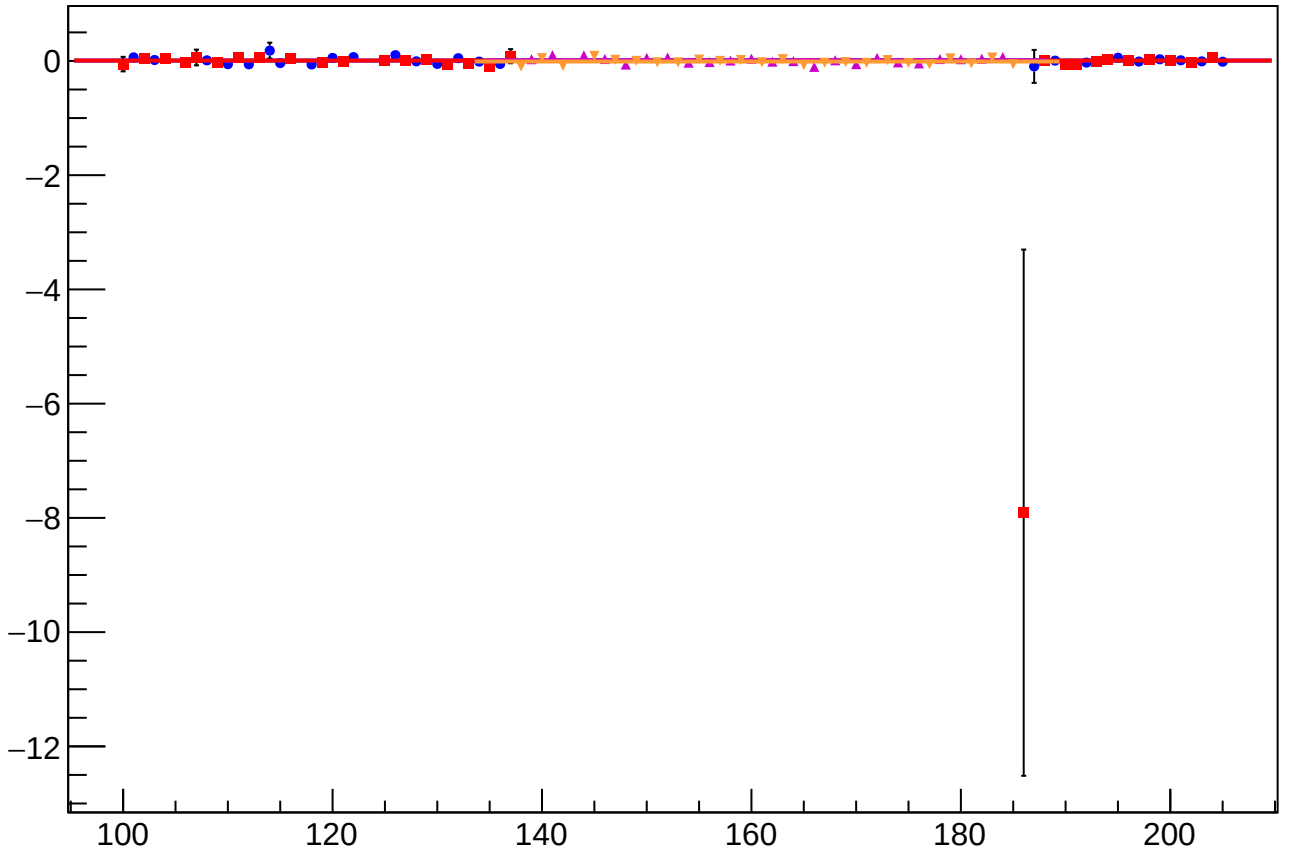
Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 35.455+/-0.005 χ^2/NDF: 1994042.7/48

All: 35.456+/-0.003 χ^2/NDF: 4981330.5/100

- sign 35.458+/-0.005 χ^2/NDF: 2987287.5/51



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.007+/-0.009 χ^2/NDF: 20.7/28

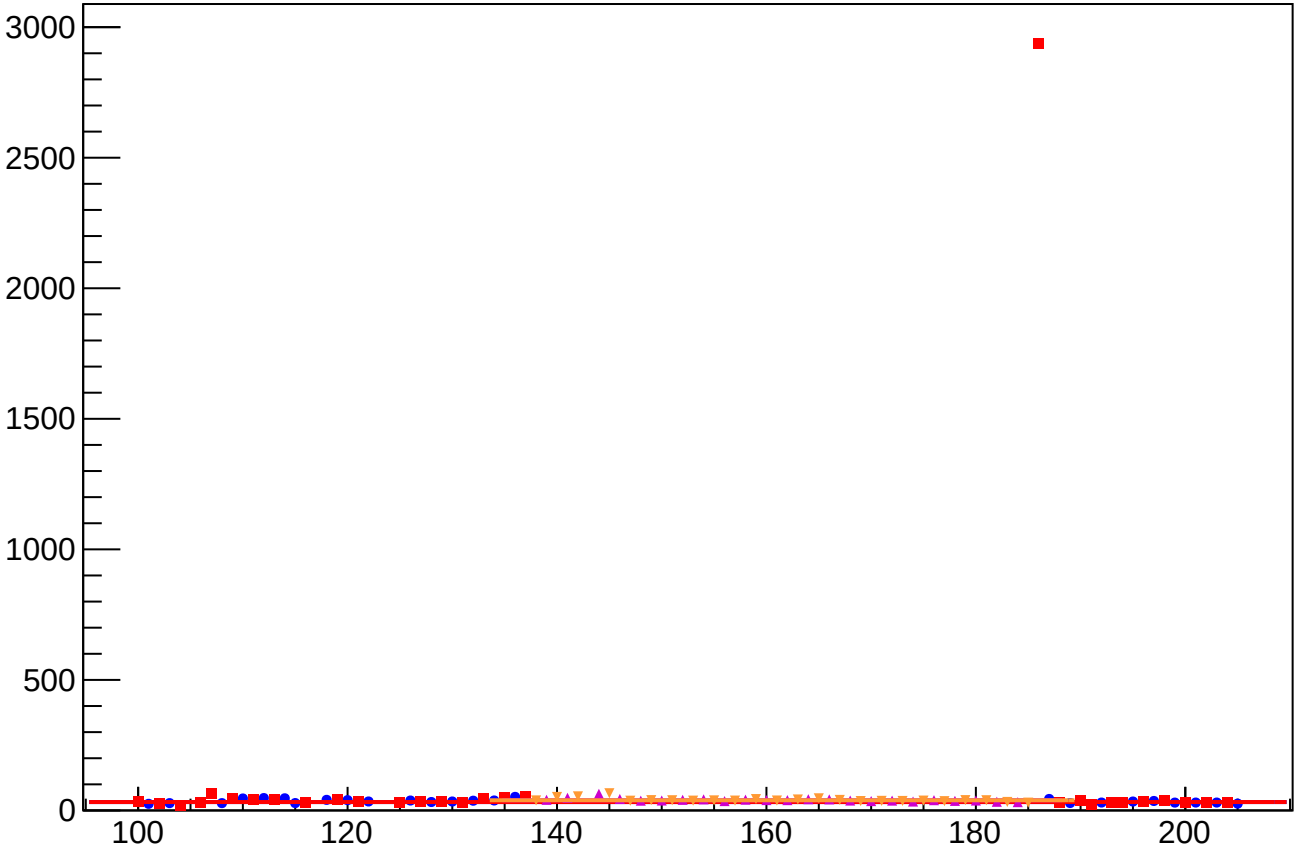
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.3/48

All: 0.004+/-0.005 χ^2/NDF: 85.6/100

- sign 0.009+/-0.007 χ^2/NDF: 44.1/51

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

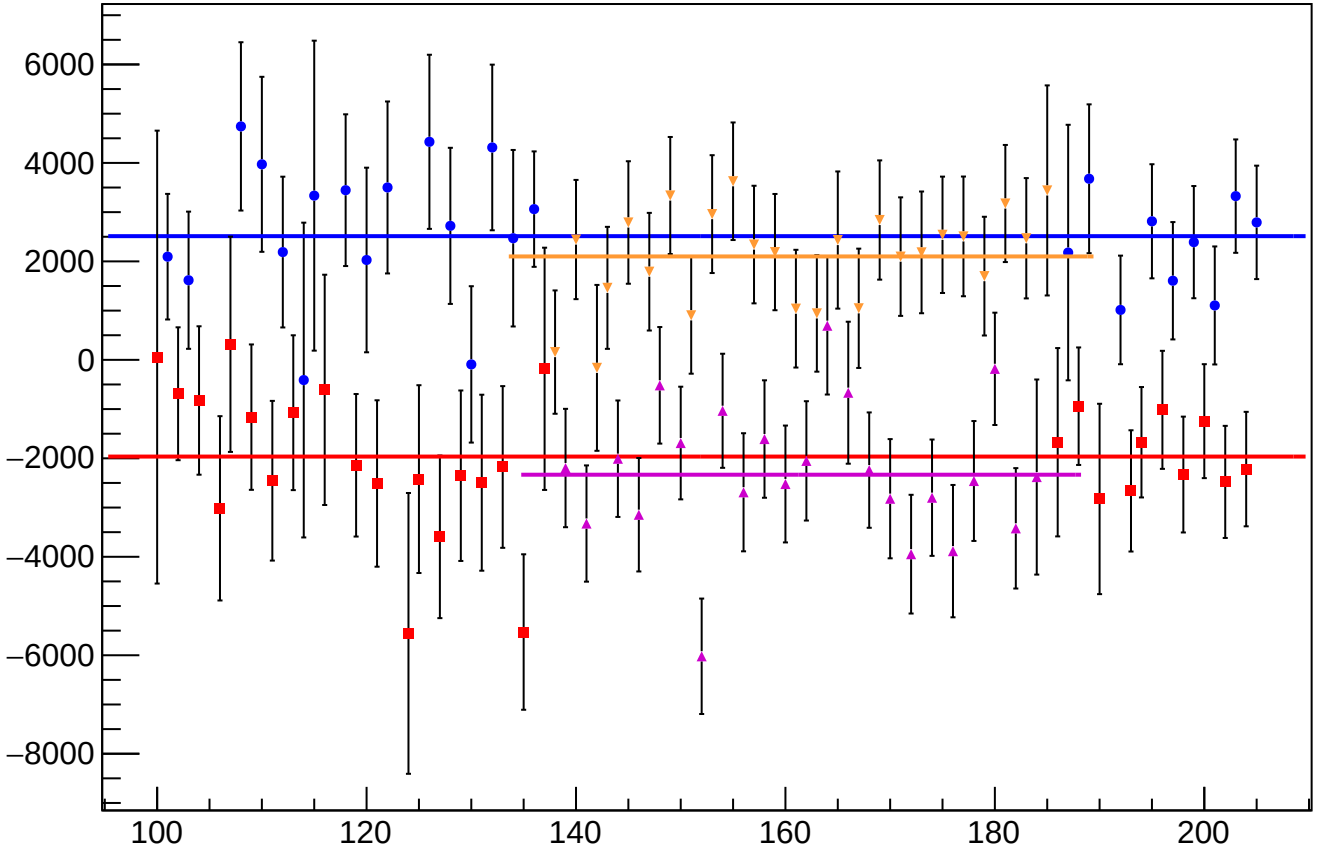
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 35.455+/-0.005 χ^2/NDF: 1994042.7/48

All: 35.456+/-0.003 χ^2/NDF: 4981330.5/100

- sign 35.458+/-0.005 χ^2/NDF: 2987287.5/51

reg_asym_usr_mean vs Slug



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1964.382+/-282.756 χ^2/NDF: 15.3/28

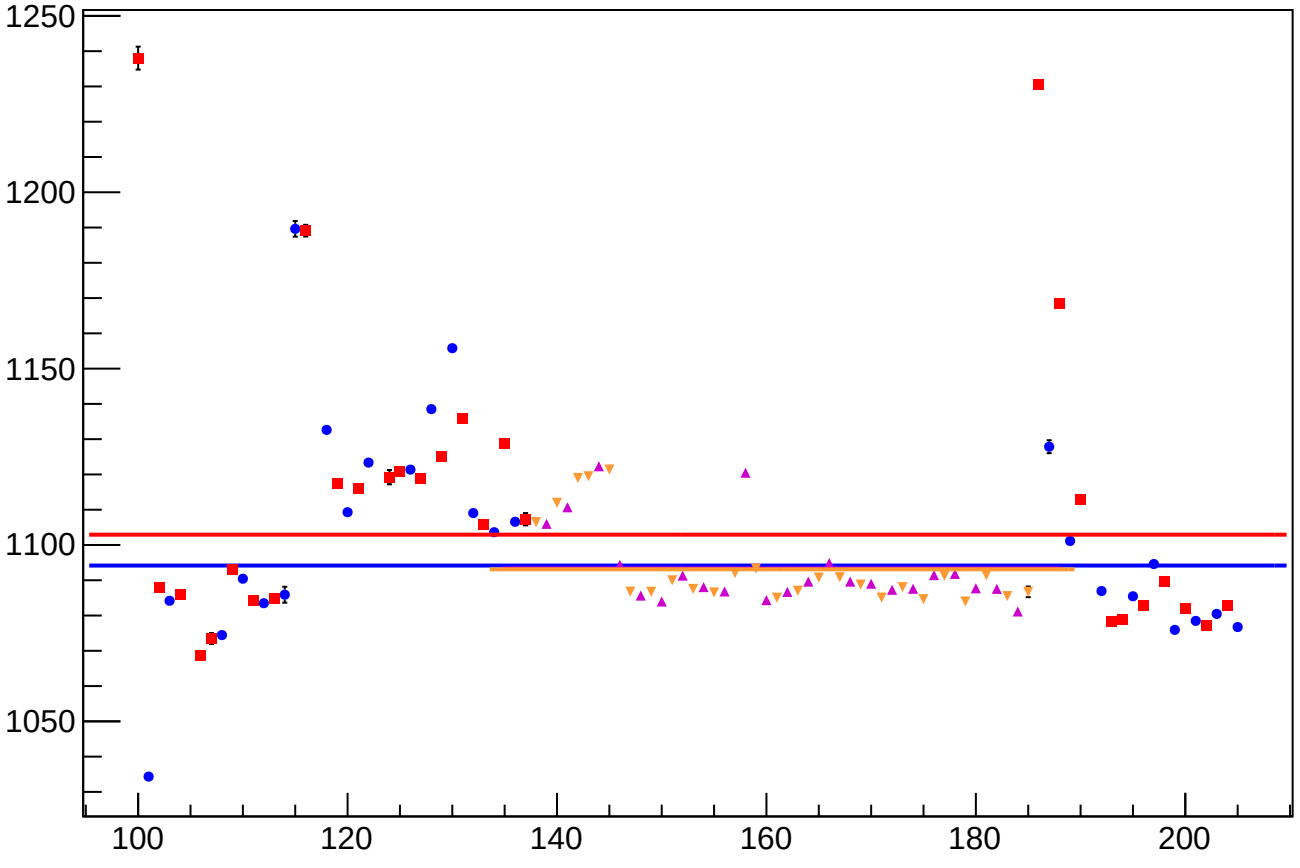
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2273.774+/-188.971 χ^2/NDF: 29.9/49

All: 59.173+/-133.804 χ^2/NDF: 351.0/101

- sign -2167.438+/-189.483 χ^2/NDF: 45.7/51

reg_asym_usr_rms vs Slug



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

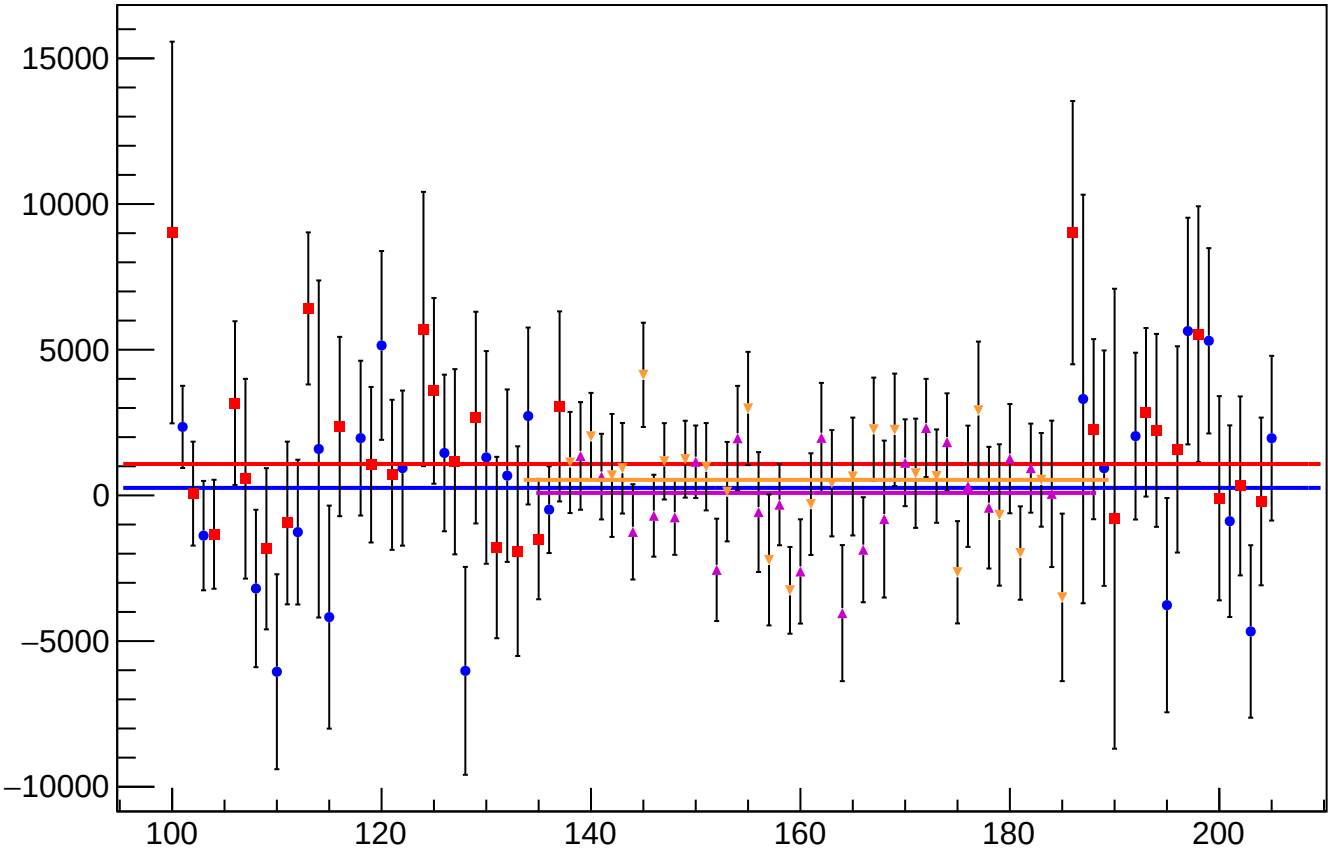
Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1093.552+/-0.134 χ^2/NDF: 20322.4/49

All: 1095.592+/-0.095 χ^2/NDF: 54480.0/101

- sign 1097.644+/-0.134 χ^2/NDF: 33690.0/51



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1077.975+/-551.740 χ^2/NDF: 20.5/28

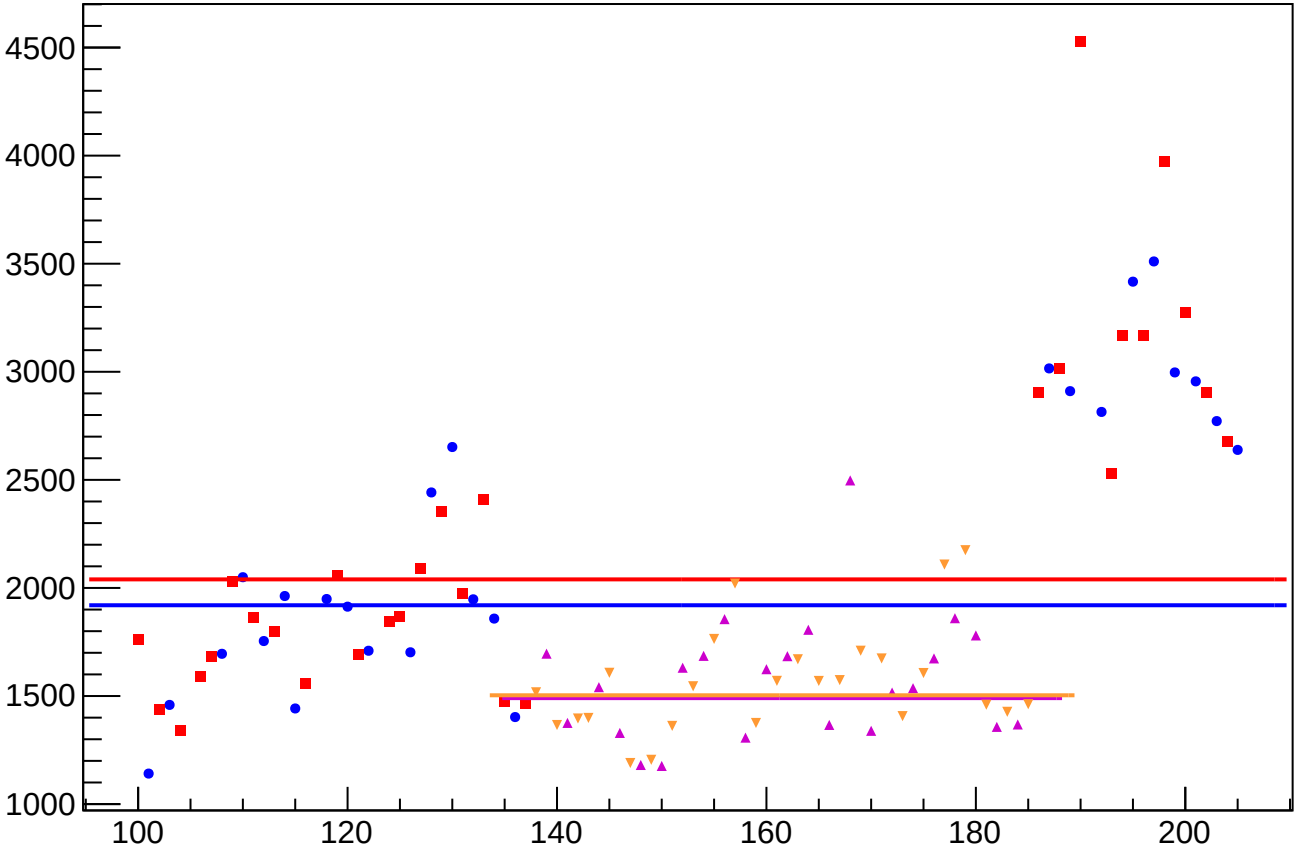
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 453.058+/-292.526 χ^2/NDF: 53.1/49

All: 414.603+/-208.723 χ^2/NDF: 94.0/101

- sign 374.720+/-297.907 χ^2/NDF: 40.9/51

asym_usr_reg_correction_rms vs Slug



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

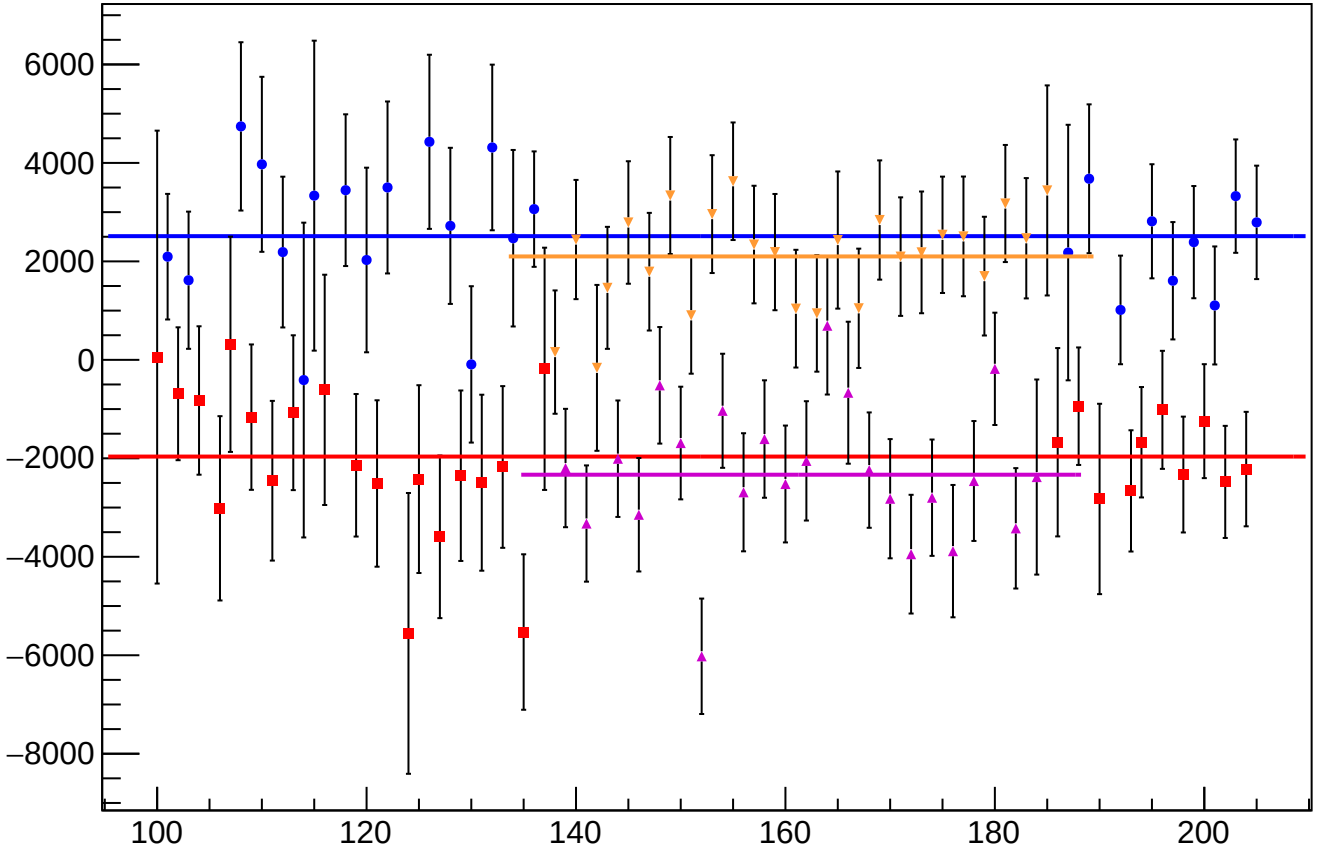
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1624.322+/-0.207 χ^2/NDF: 4567142.2/49

All: 1637.151+/-0.148 χ^2/NDF: 9759579.1/10

- sign 1650.457+/-0.211 χ^2/NDF: 5184600.7/51

cor_asym_usr_mean vs Slug



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1964.382+/-282.756 χ^2/NDF: 15.3/28

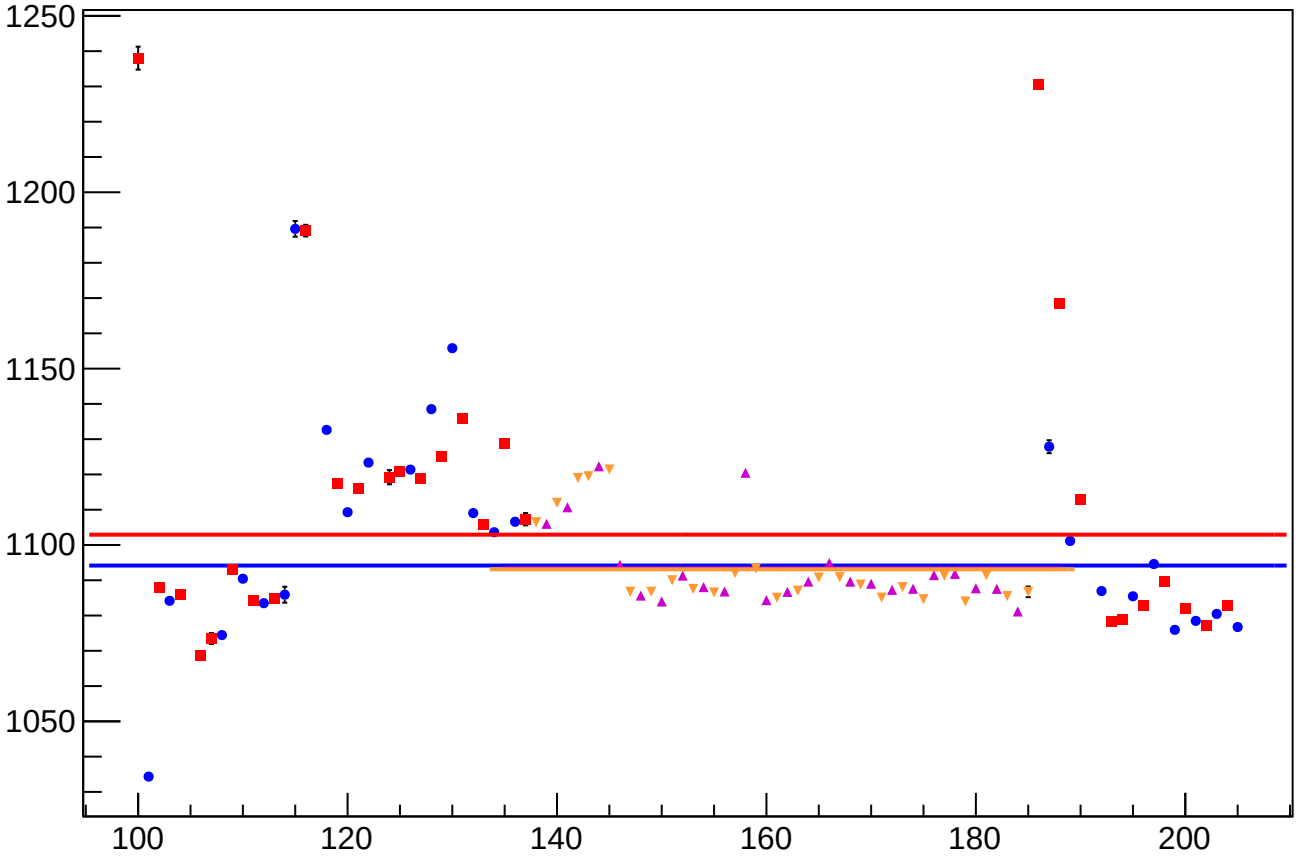
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2273.774+/-188.971 χ^2/NDF: 29.9/49

All: 59.173+/-133.804 χ^2/NDF: 351.0/101

- sign -2167.438+/-189.483 χ^2/NDF: 45.7/51

cor_asym_usr_rms vs Slug



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

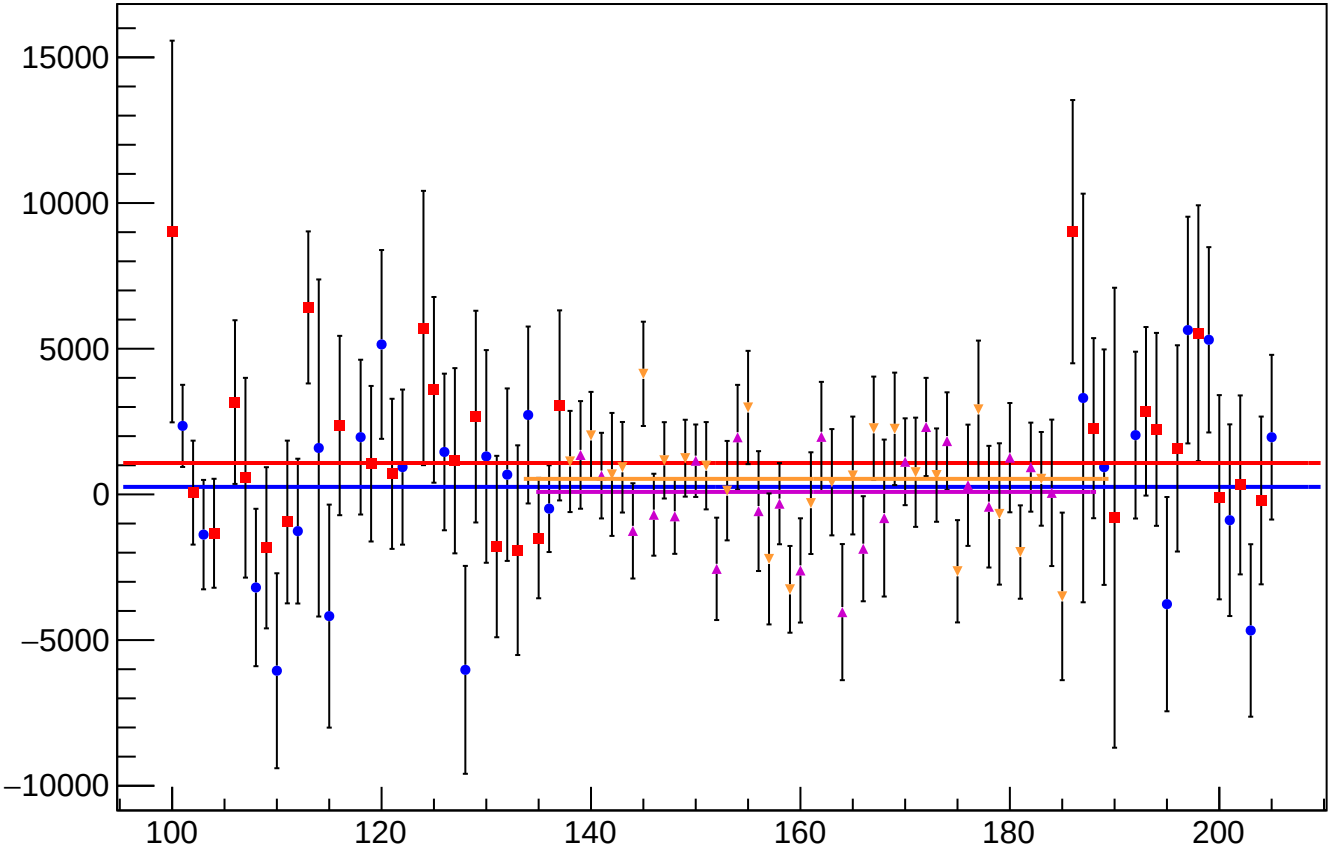
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1093.552+/-0.134 χ^2/NDF: 20322.4/49

All: 1095.592+/-0.095 χ^2/NDF: 54480.0/101

- sign 1097.644+/-0.134 χ^2/NDF: 33690.0/51

asym_usr_cor_correction_mean vs Slug



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1077.975+/-551.740 χ^2/NDF: 20.5/28

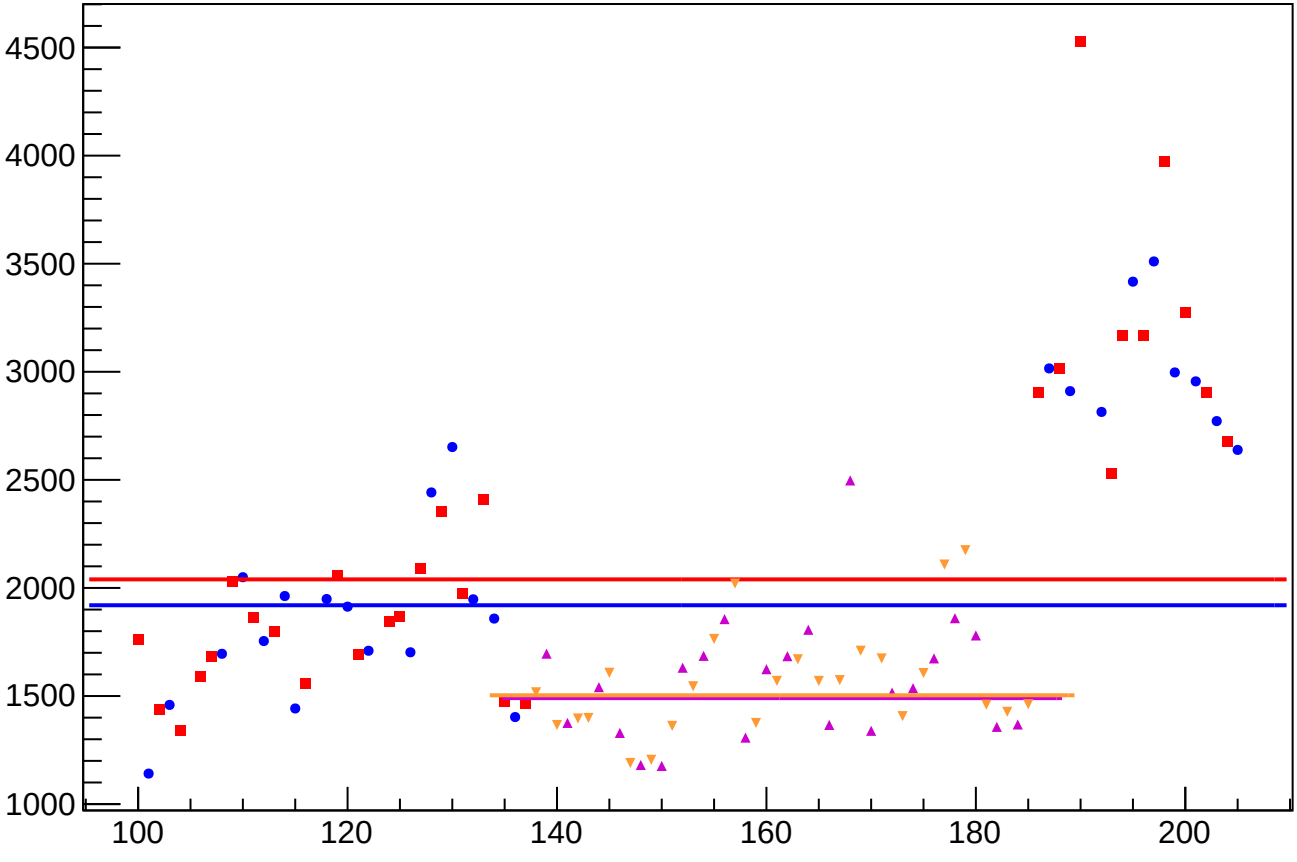
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 453.058+/-292.526 χ^2/NDF: 53.1/49

All: 414.603+/-208.723 χ^2/NDF: 94.0/101

- sign 374.720+/-297.907 χ^2/NDF: 40.9/51

asym_usr_cor_correction_rms vs Slug



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

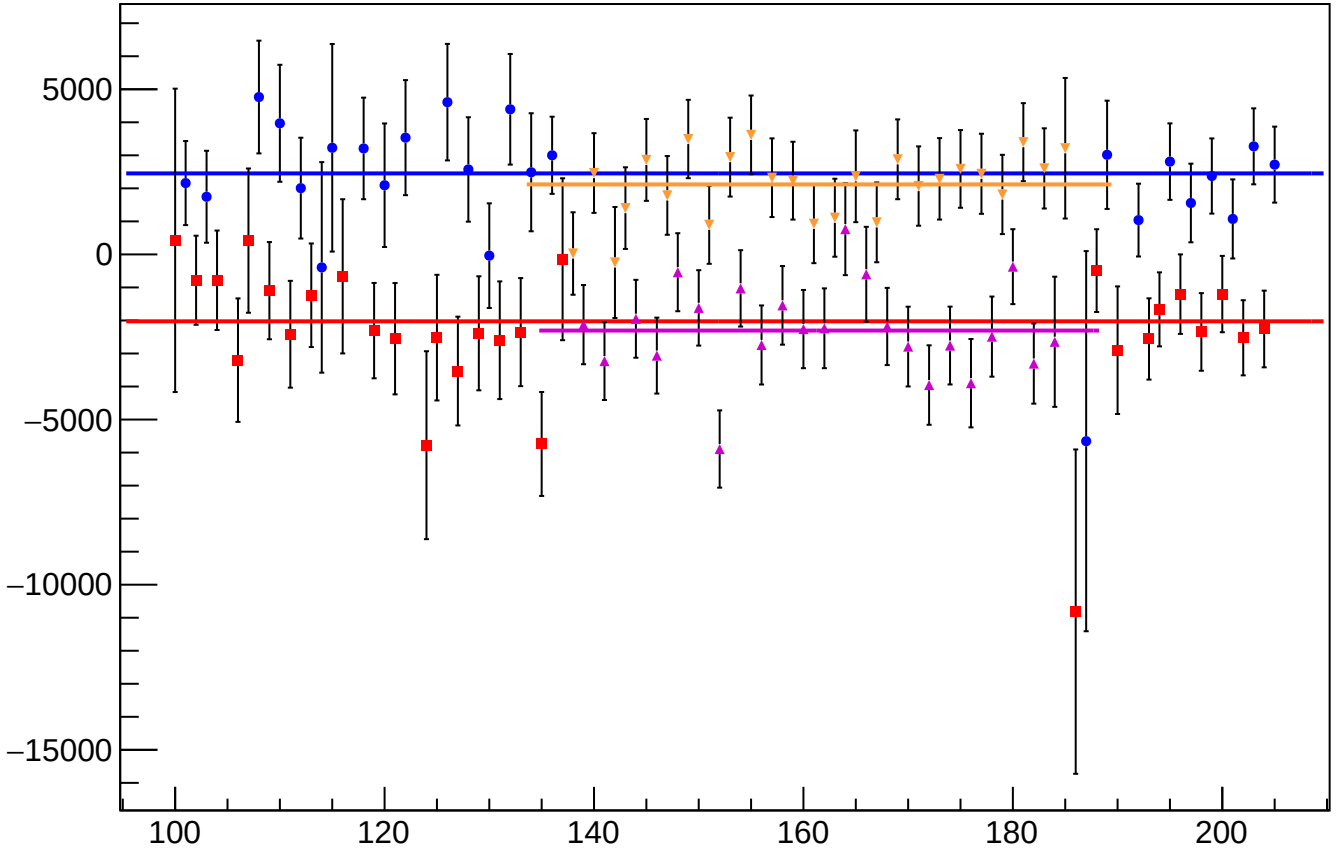
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1624.322+/-0.207 χ^2/NDF: 4567142.2/49

All: 1637.151+/-0.148 χ^2/NDF: 9759579.1/10

- sign 1650.457+/-0.211 χ^2/NDF: 5184600.7/51

overload_cor_asym_usr_mean vs Slug



Right In: 2452.732+/-293.071 χ^2/NDF: 16.3/24

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2025.898+/-285.778 χ^2/NDF: 20.1/28

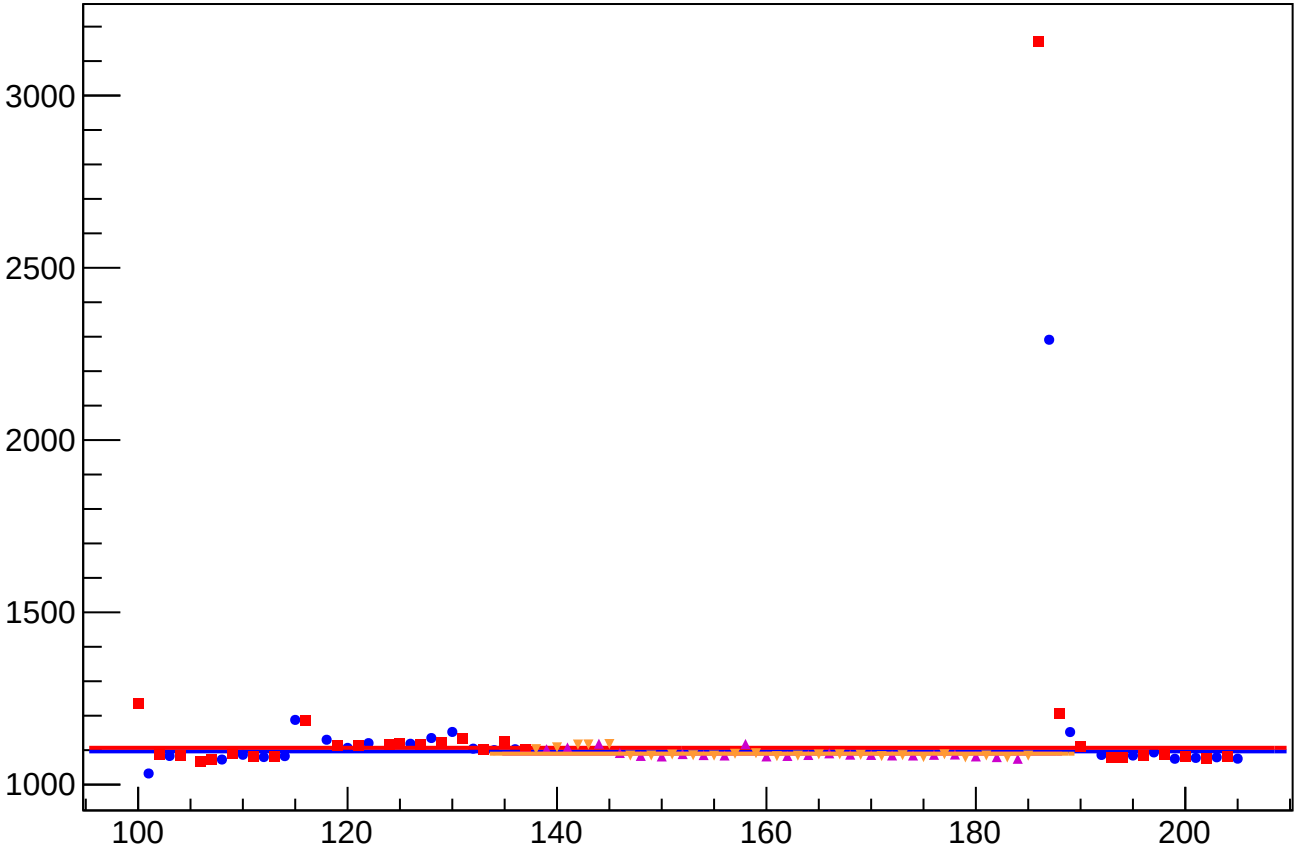
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2258.527+/-189.111 χ^2/NDF: 32.2/49

All: 49.455+/-134.055 χ^2/NDF: 355.6/101

- sign -2181.784+/-190.058 χ^2/NDF: 49.1/51

overload_cor_asym_usr_rms vs Slug



Right In: 1096.473+/-0.207 χ^2/NDF: 104516.2/24

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1106.843+/-0.202 χ^2/NDF: 376287.7/28

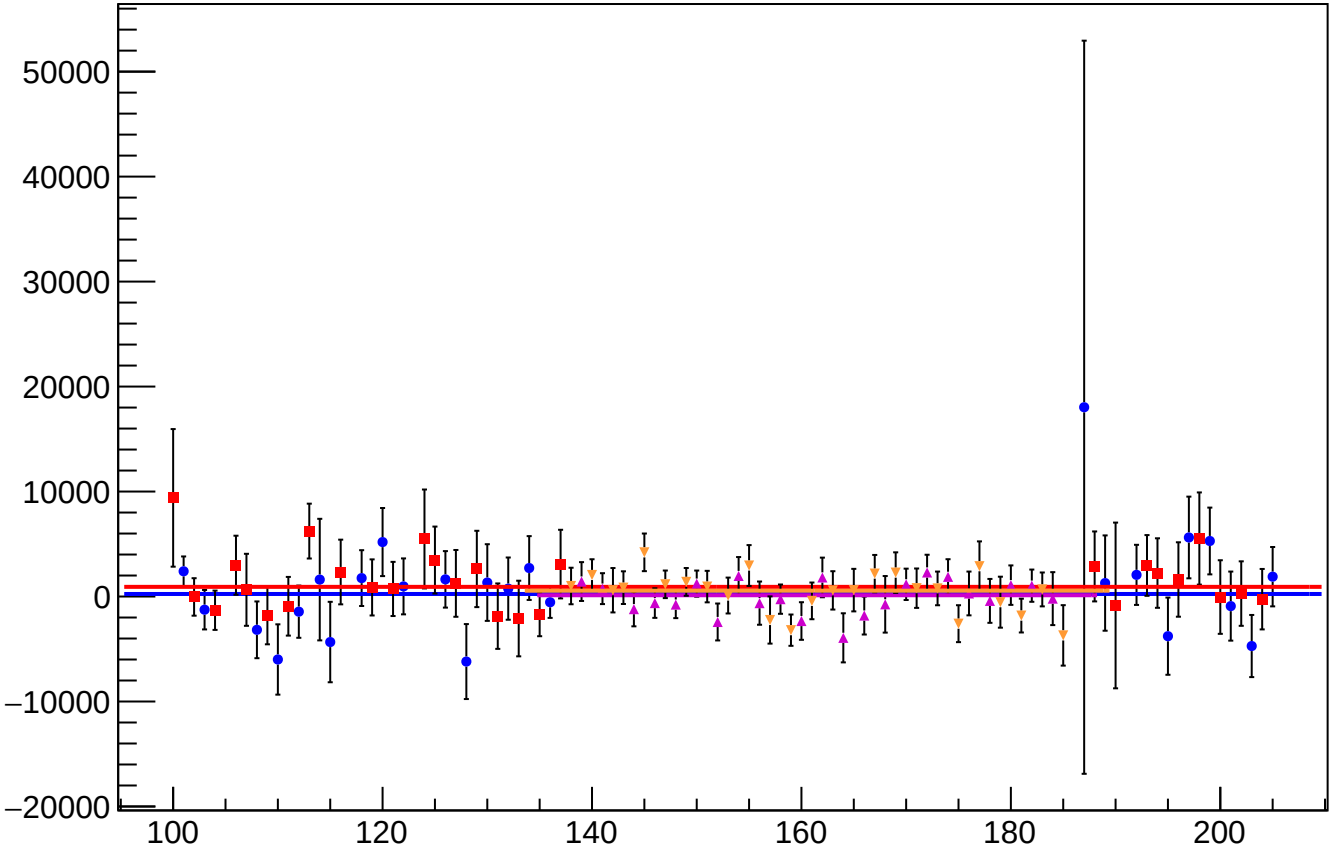
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1092.546+/-0.134 χ^2/NDF: 109189.2/49

All: 1094.975+/-0.095 χ^2/NDF: 493927.7/101

- sign 1097.430+/-0.134 χ^2/NDF: 384074.8/51

asym_usr_overload_cor_correction_mean vs Slug



Right In: 242.326+/-546.133 χ^2/NDF: 26.9/24

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 921.191+/-557.612 χ^2/NDF: 17.5/27

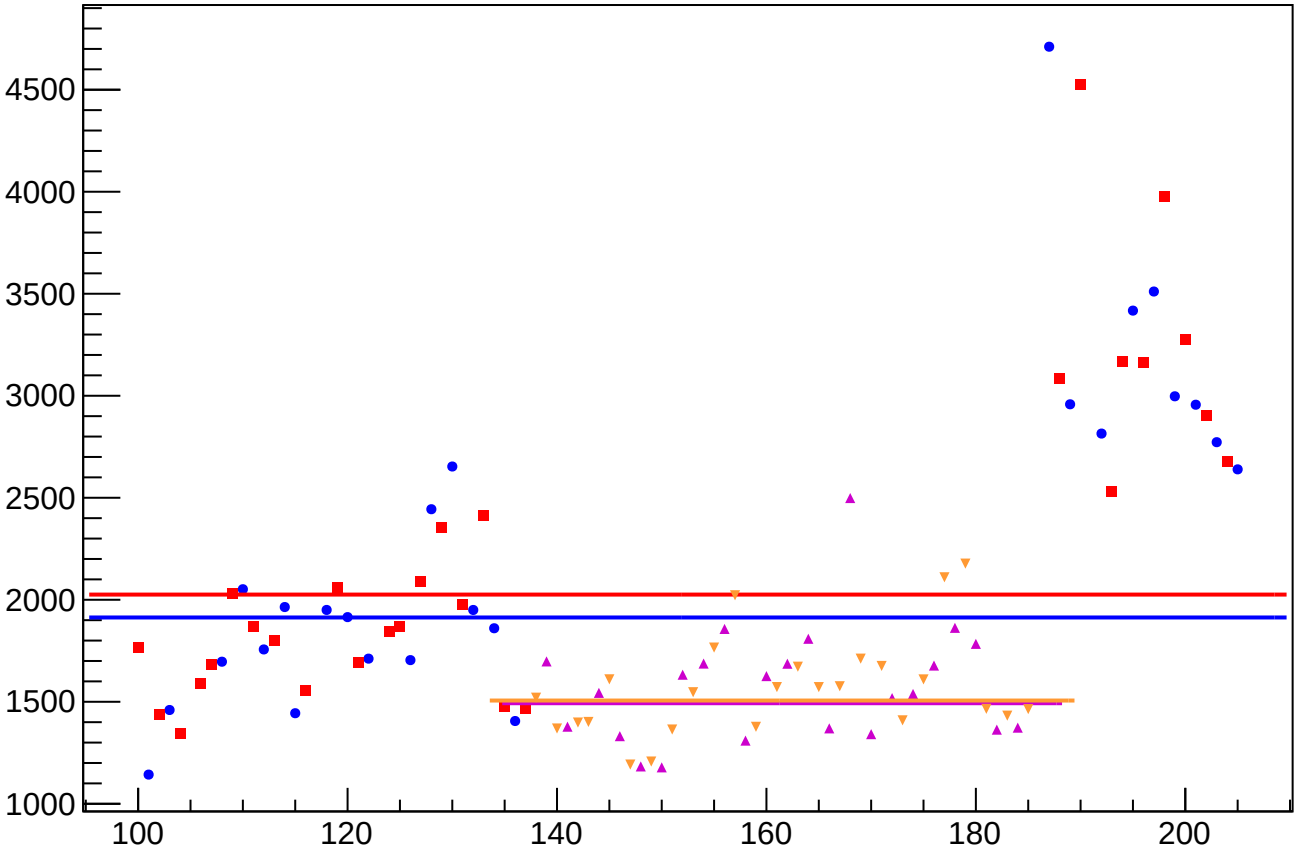
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 463.893+/-293.370 χ^2/NDF: 53.3/49

All: 408.879+/-209.470 χ^2/NDF: 89.4/100

- sign 351.661+/-299.186 χ^2/NDF: 36.1/50

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1913.235+/-0.386 χ^2/NDF: 2871099.4/24

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

Right Out: 2025.446+/-0.394 χ^2/NDF: 2724313.2/27

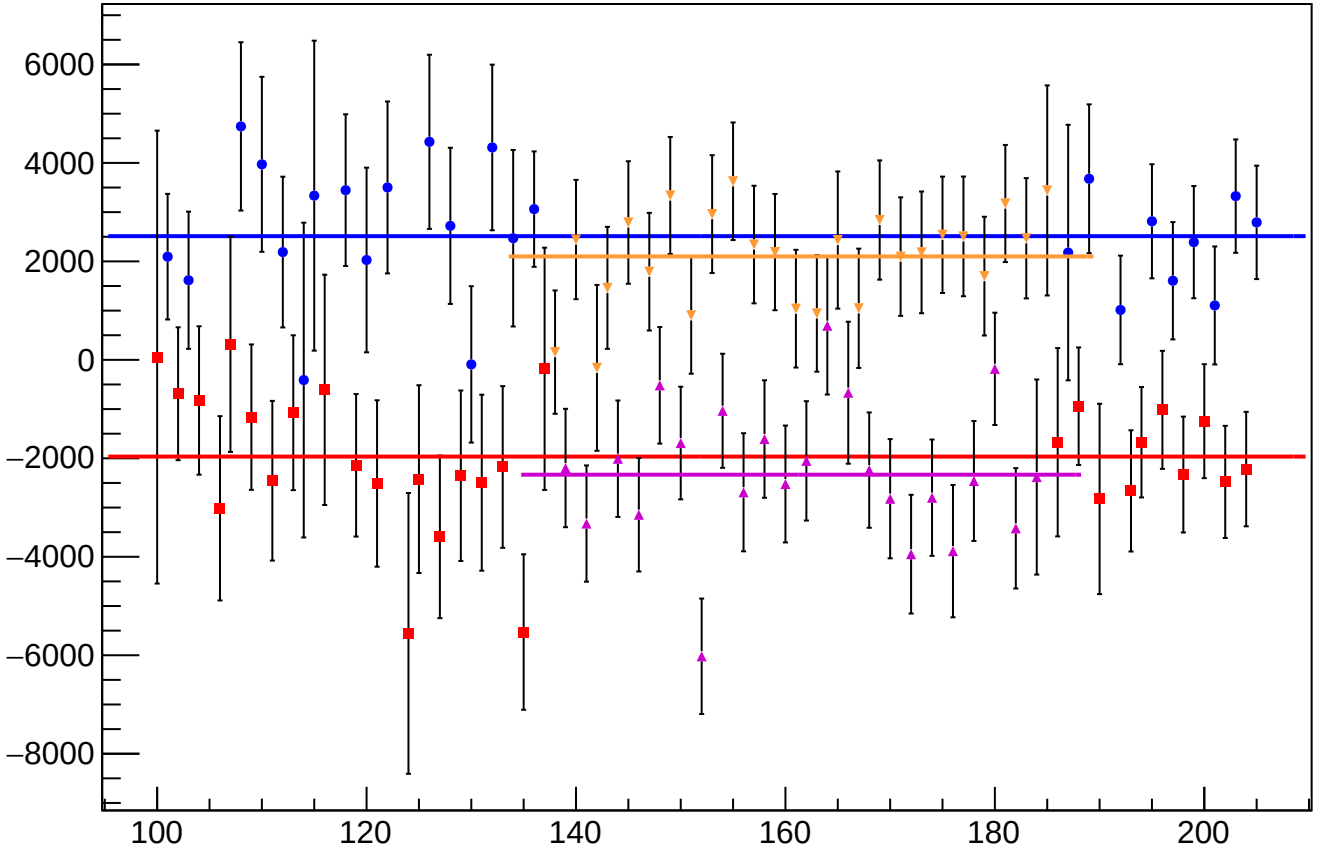
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1623.584+/-0.207 χ^2/NDF: 4458257.7/49

All: 1634.702+/-0.148 χ^2/NDF: 9451483.7/10

- sign 1646.266+/-0.212 χ^2/NDF: 4987365.8/50

eigen_cor_asym_usr_mean vs Slug



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1964.382+/-282.756 χ^2/NDF: 15.3/28

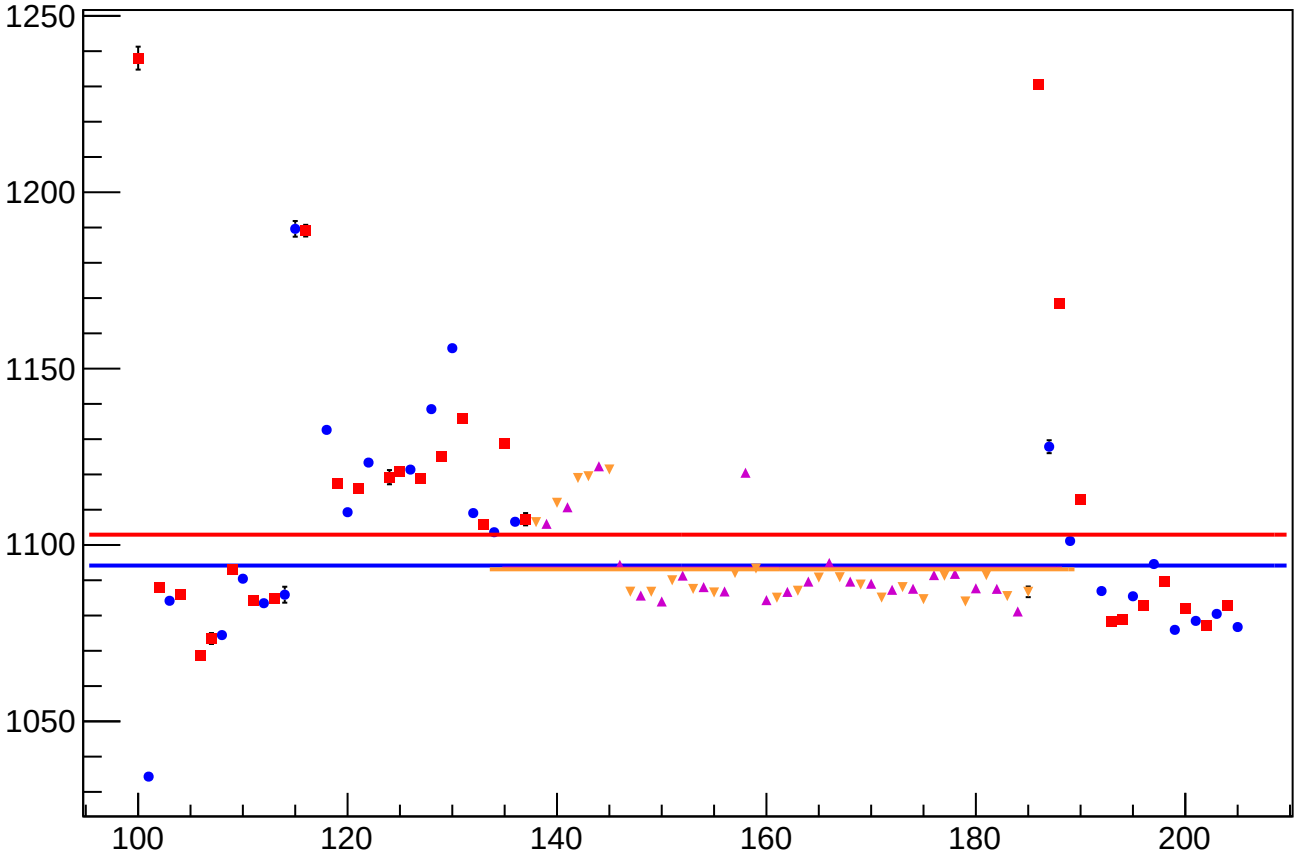
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2273.774+/-188.971 χ^2/NDF: 29.9/49

All: 59.173+/-133.804 χ^2/NDF: 351.0/101

- sign -2167.438+/-189.483 χ^2/NDF: 45.7/51

eigen_cor_asym_usr_rms vs Slug



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

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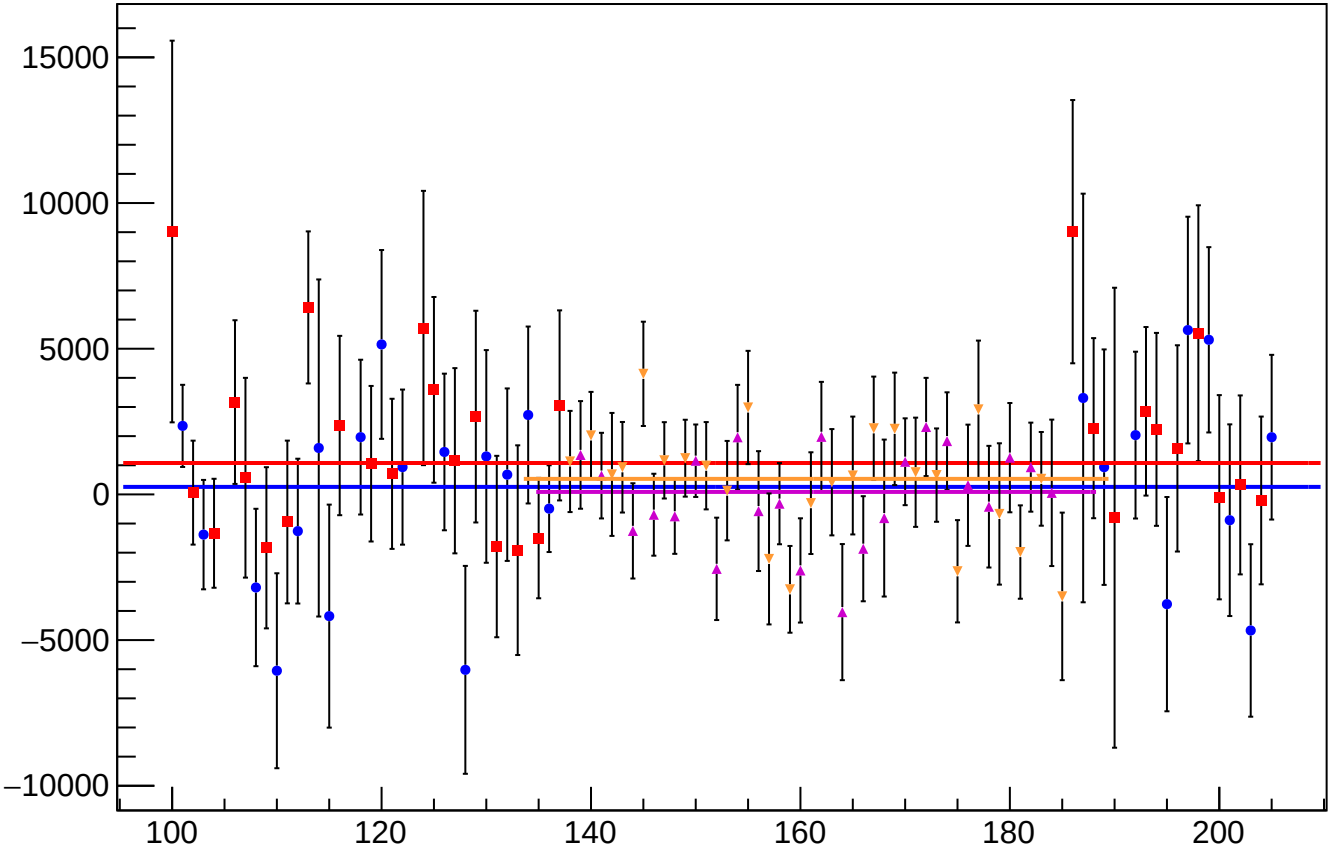
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1093.552+/-0.134 χ^2/NDF: 20322.4/49

All: 1095.592+/-0.095 χ^2/NDF: 54480.0/101

- sign 1097.644+/-0.134 χ^2/NDF: 33690.0/51

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1077.975+/-551.740 χ^2/NDF: 20.5/28

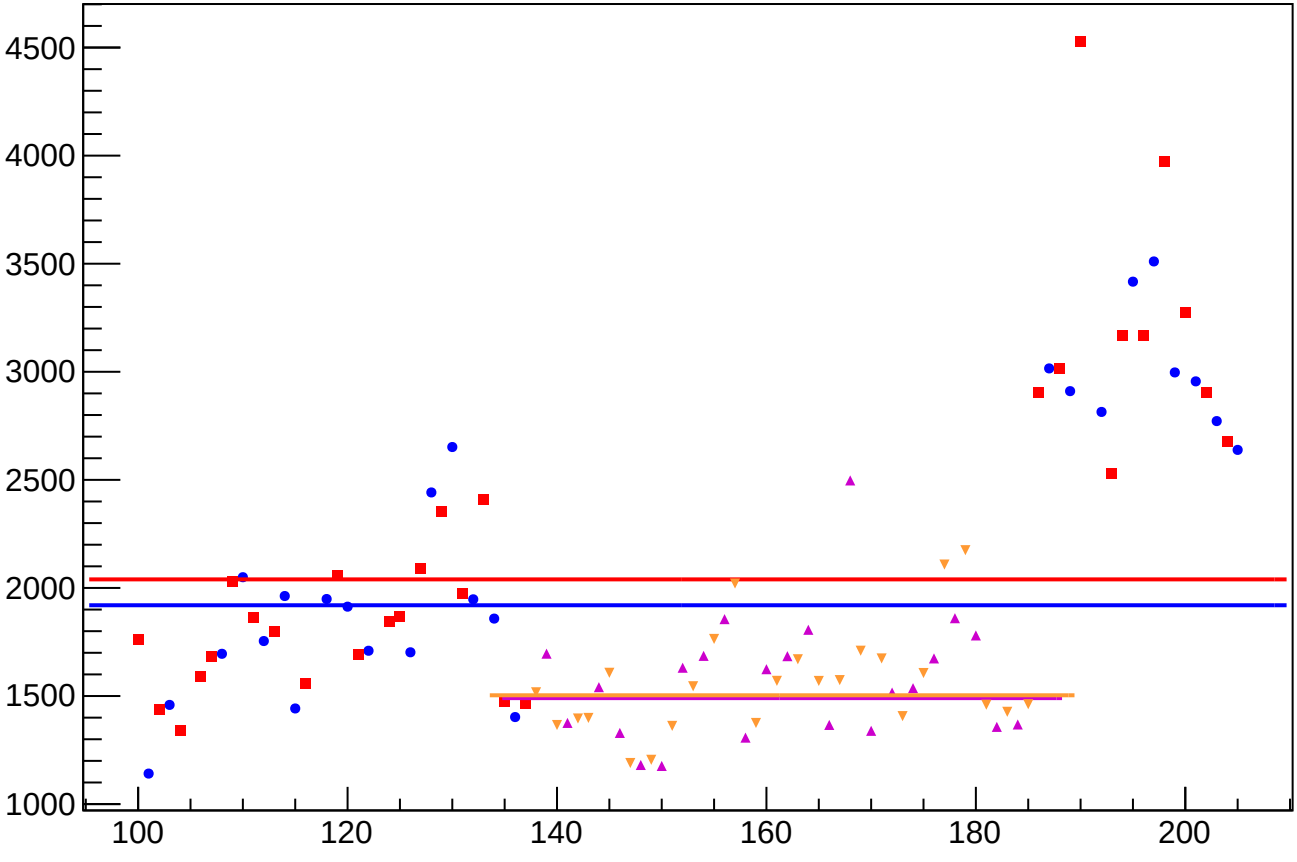
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 453.058+/-292.526 χ^2/NDF: 53.1/49

All: 414.603+/-208.723 χ^2/NDF: 94.0/101

- sign 374.720+/-297.907 χ^2/NDF: 40.9/51

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

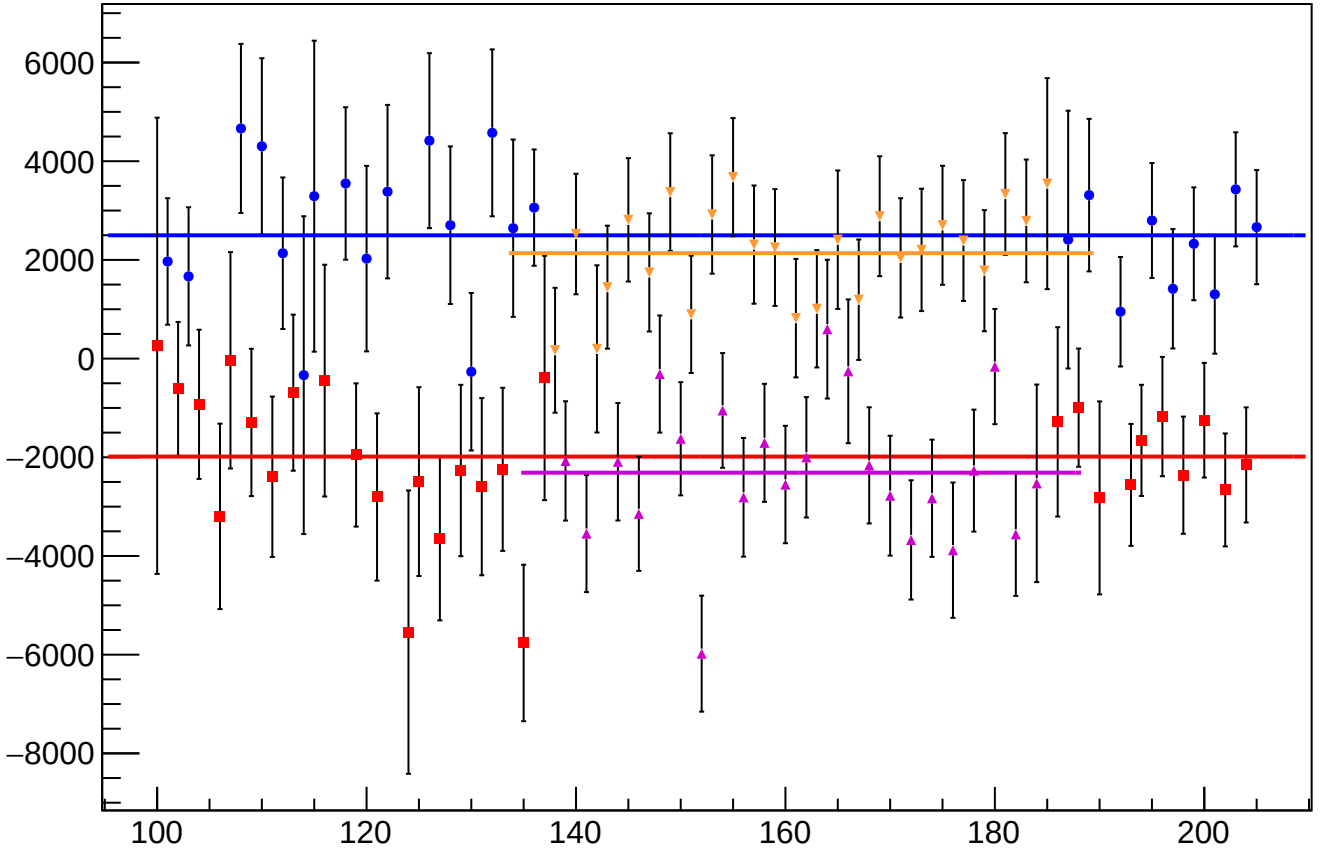
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1624.322+/-0.207 χ^2/NDF: 4567142.2/49

All: 1637.151+/-0.148 χ^2/NDF: 9759579.1/10

- sign 1650.457+/-0.211 χ^2/NDF: 5184600.7/51

dit_asym_usr_mean vs Slug



Right In: 2498.322+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -1985.319+/-284.160 χ^2/NDF: 16.1/28

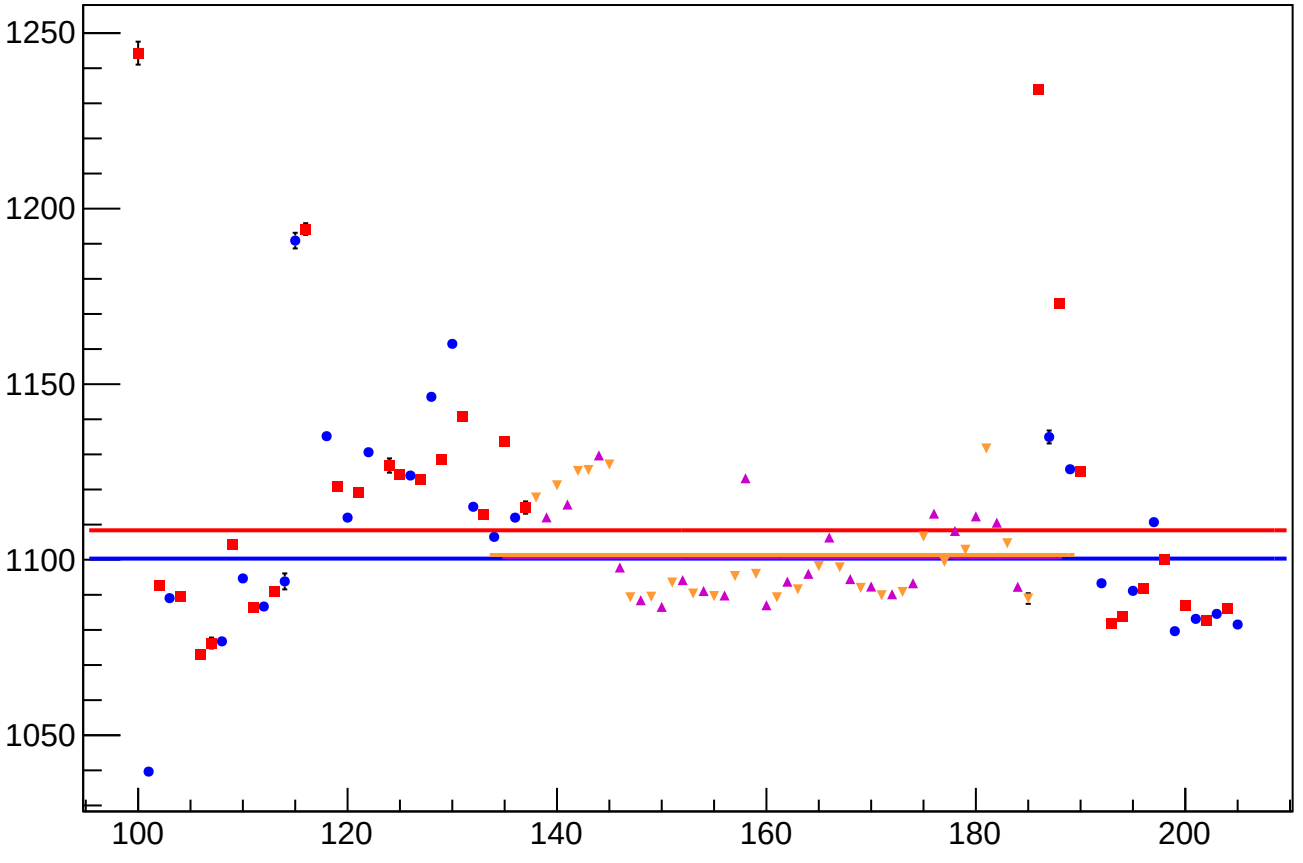
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2289.494+/-190.255 χ^2/NDF: 30.3/49

All: 66.605+/-134.660 χ^2/NDF: 350.6/101

- sign -2164.860+/-190.622 χ^2/NDF: 46.7/51

dit_asym_usr_rms vs Slug



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.7/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

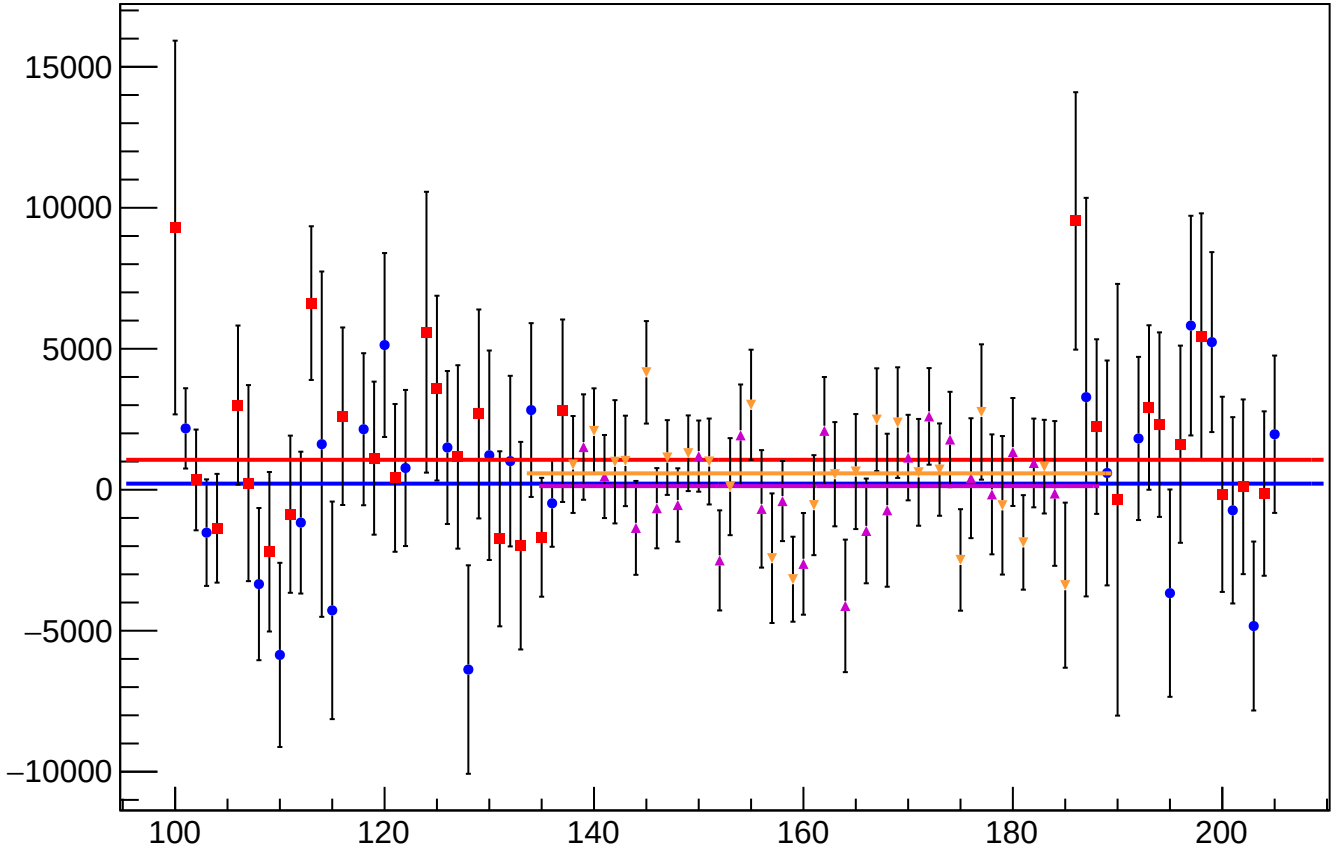
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1100.916+/-0.135 χ^2/NDF: 23017.9/49

All: 1102.558+/-0.095 χ^2/NDF: 56857.6/101

- sign 1104.206+/-0.135 χ^2/NDF: 33541.2/51

asym_usr_dit_correction_mean vs Slug



Right In: 216.478+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1061.960+/-558.784 χ^2/NDF: 20.8/28

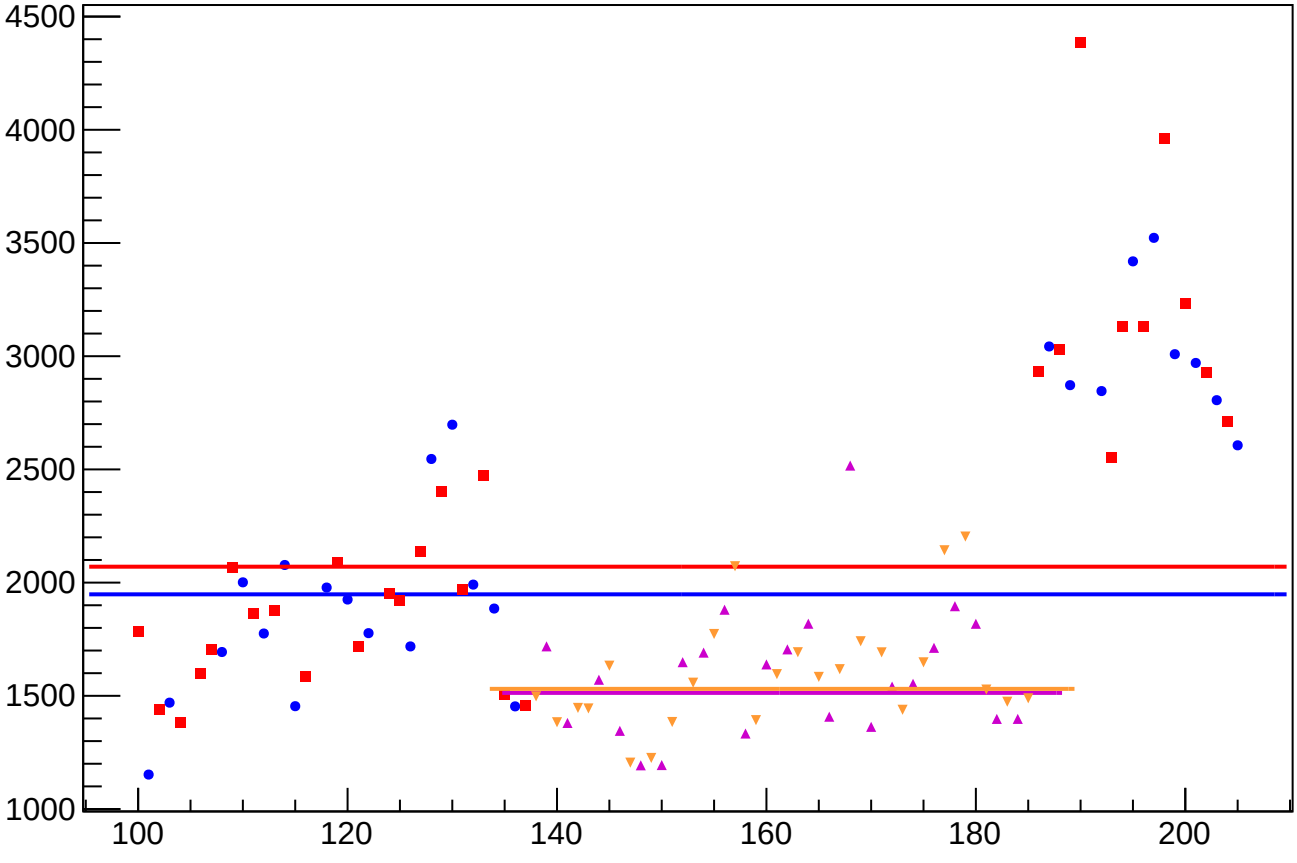
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 474.762+/-297.293 χ^2/NDF: 52.1/49

All: 438.747+/-211.902 χ^2/NDF: 92.8/101

- sign 401.555+/-302.113 χ^2/NDF: 40.6/51

asym_usr_dit_correction_rms vs Slug



Right In: 1948.252+/-0.389 χ^2/NDF: 2860133.4/24

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

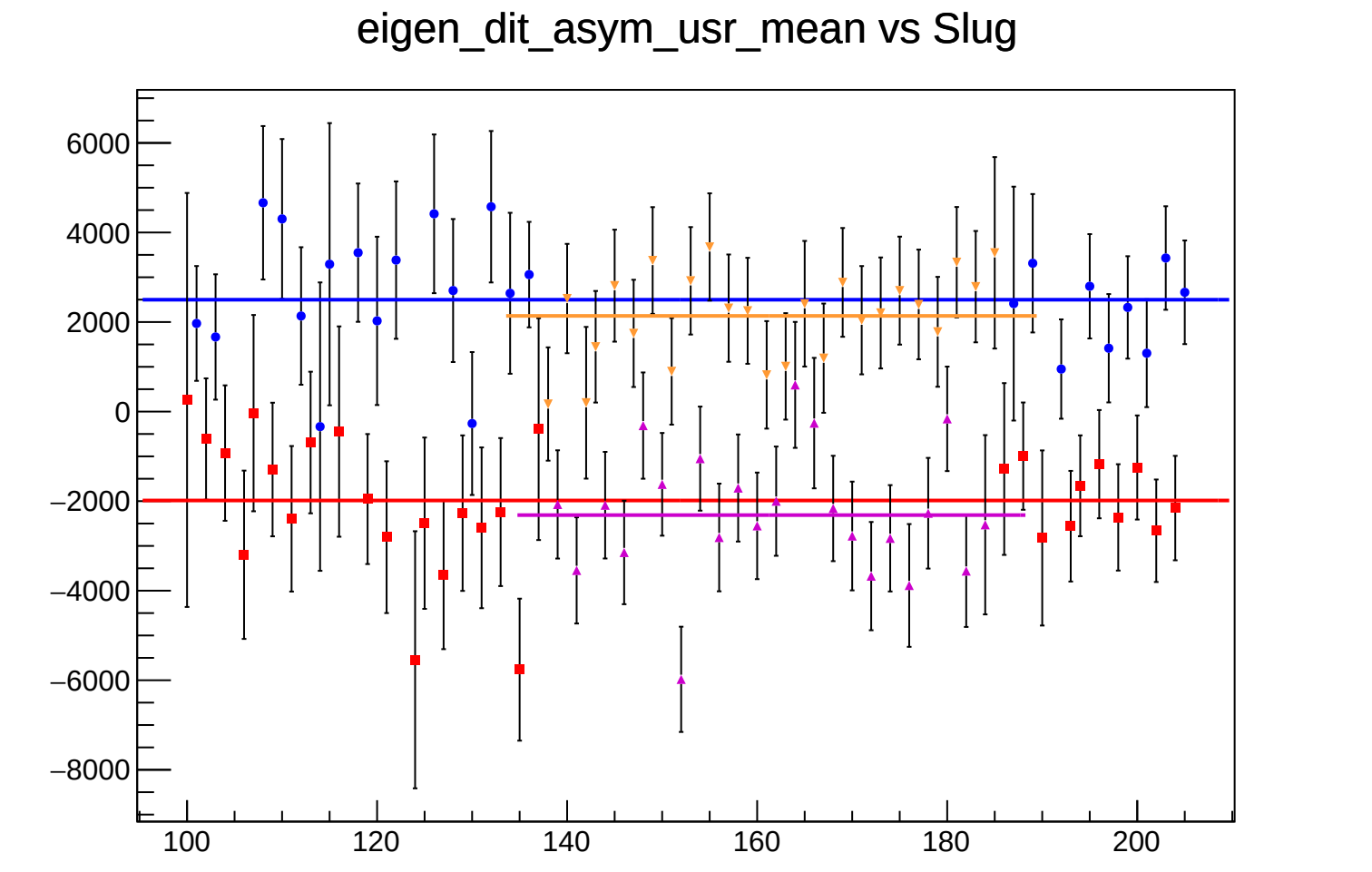
Right Out: 2070.338+/-0.395 χ^2/NDF: 2700076.0/28

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1652.785+/-0.210 χ^2/NDF: 4471604.5/49

All: 1664.147+/-0.150 χ^2/NDF: 9542999.5/10

- sign 1675.881+/-0.214 χ^2/NDF: 5065457.1/51



Right In: 2498.321+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -1985.318+/-284.160 χ^2/NDF: 16.1/28

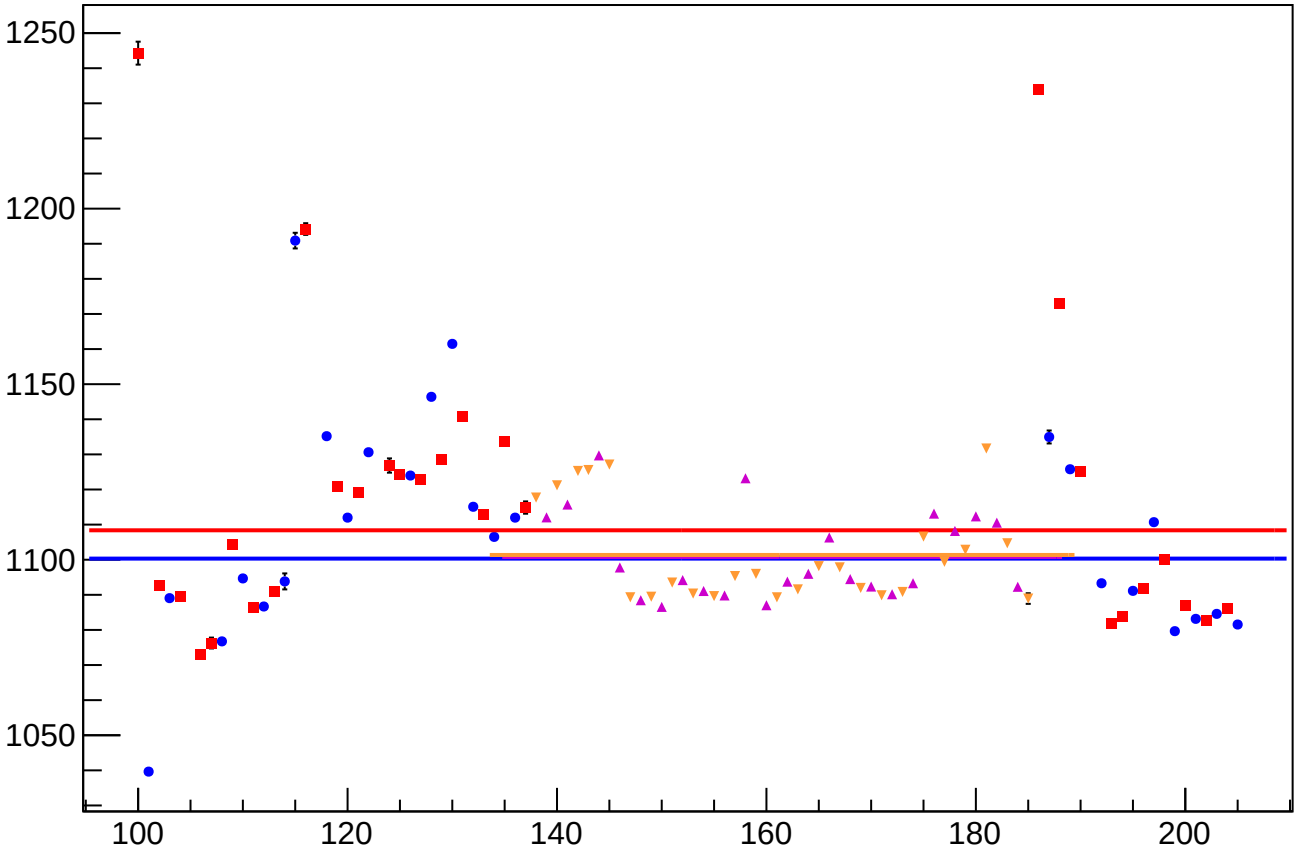
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2289.493+/-190.255 χ^2/NDF: 30.3/49

All: 66.604+/-134.660 χ^2/NDF: 350.6/101

- sign -2164.859+/-190.622 χ^2/NDF: 46.7/51

eigen_dit_asym_usr_rms vs Slug



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.6/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

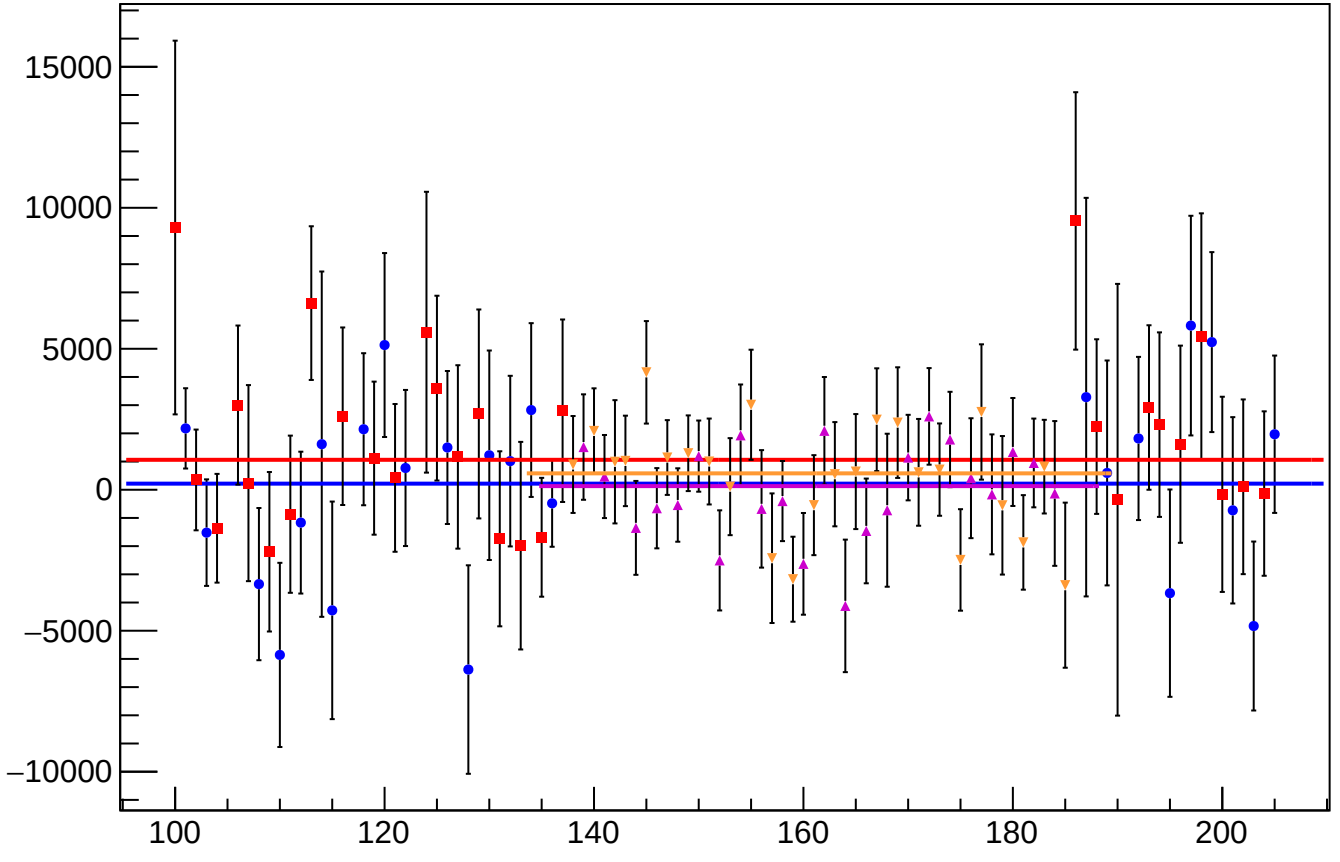
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1100.915+/-0.135 χ^2/NDF: 23017.7/49

All: 1102.558+/-0.095 χ^2/NDF: 56857.4/101

- sign 1104.206+/-0.135 χ^2/NDF: 33541.1/51

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 216.474+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1061.961+/-558.784 χ^2/NDF: 20.8/28

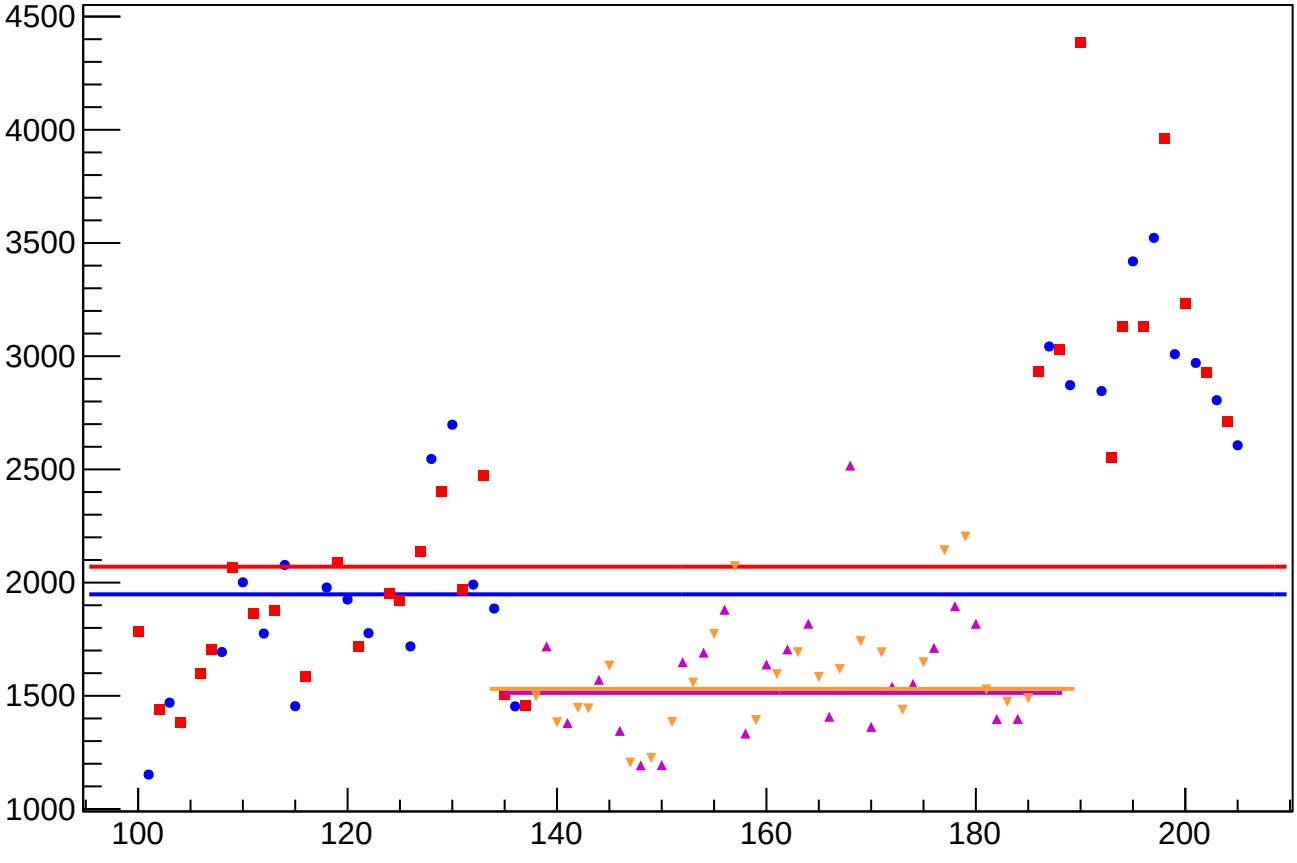
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 474.759+/-297.294 χ^2/NDF: 52.1/49

All: 438.747+/-211.902 χ^2/NDF: 92.8/101

- sign 401.557+/-302.114 χ^2/NDF: 40.6/51

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1948.250+/-0.389 χ^2/NDF: 2860136.5/24

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

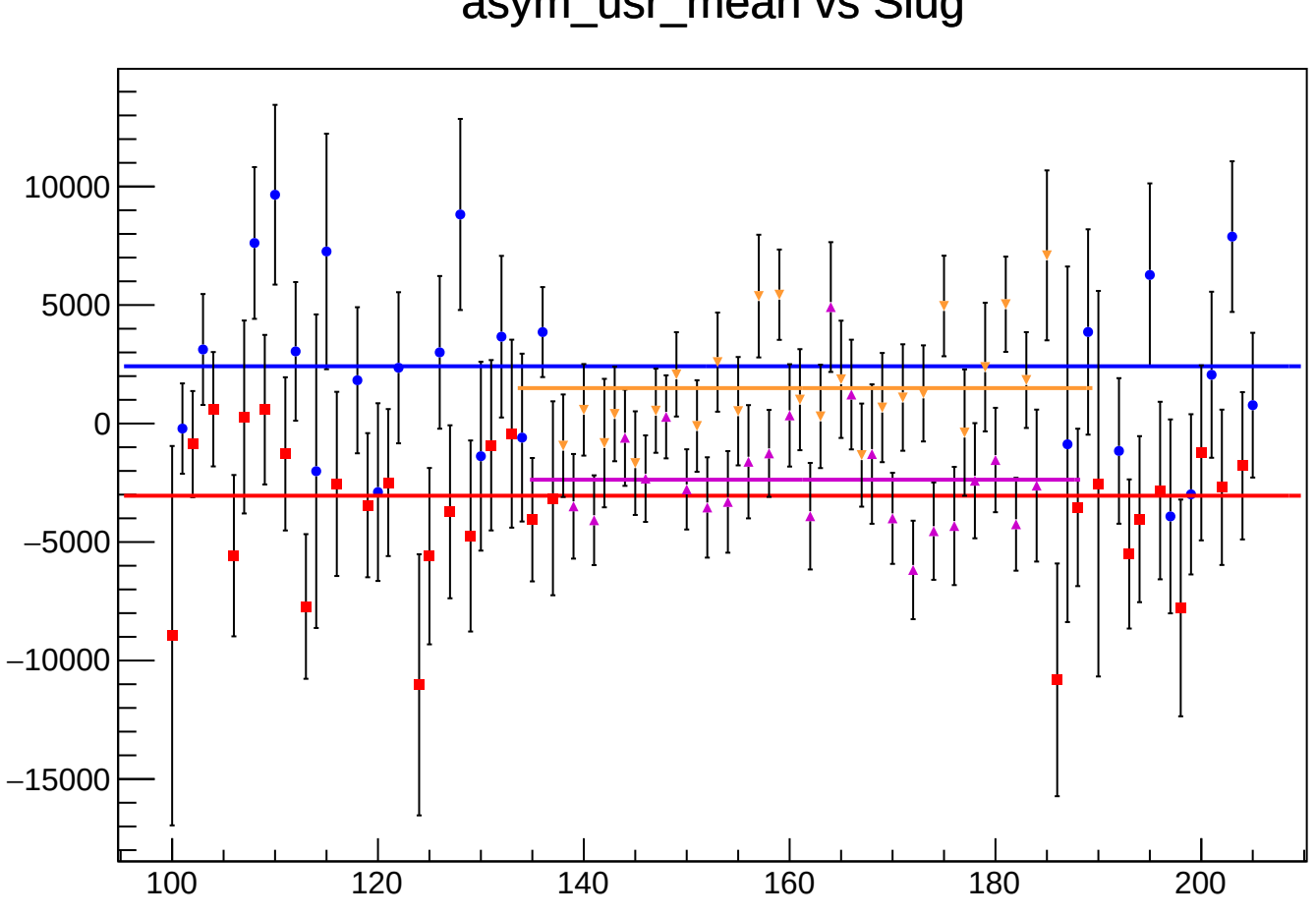
Right Out: 2070.337+/-0.395 χ^2/NDF: 2700072.1/28

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1652.788+/-0.210 χ^2/NDF: 4471588.4/49

All: 1664.150+/-0.150 χ^2/NDF: 9542958.2/10

- sign 1675.884+/-0.214 χ^2/NDF: 5065431.7/51



Right In: 2415.942+/-642.343 χ^2/NDF: 27.5/24

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3045.998+/-642.241 χ^2/NDF: 17.5/28

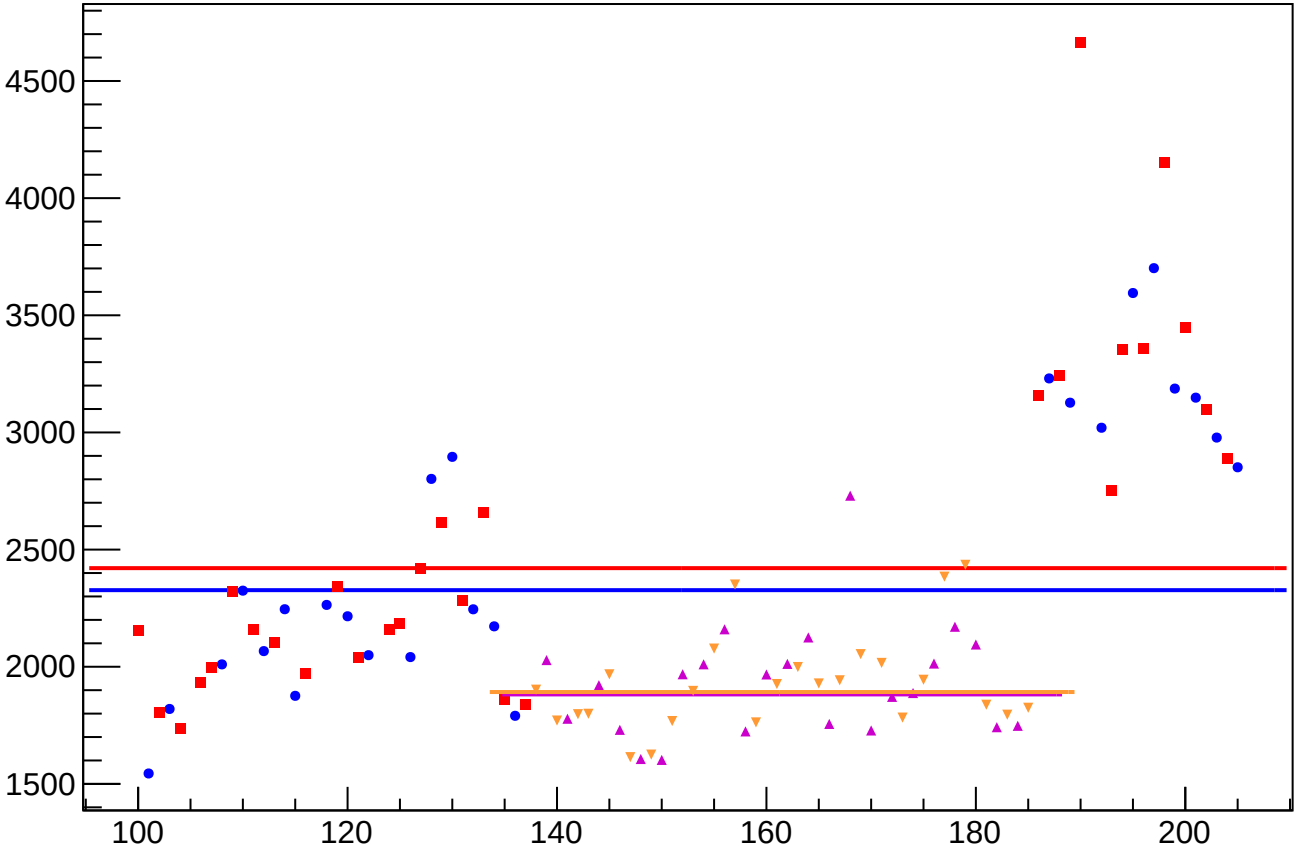
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1782.927+/-359.154 χ^2/NDF: 52.7/49

All: -369.612+/-255.877 χ^2/NDF: 167.6/101

- sign -2588.377+/-364.637 χ^2/NDF: 41.9/51

asym_usr_rms vs Slug



Right In: 2326.903+/-0.454 χ^2/NDF: 1772757.3/24

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

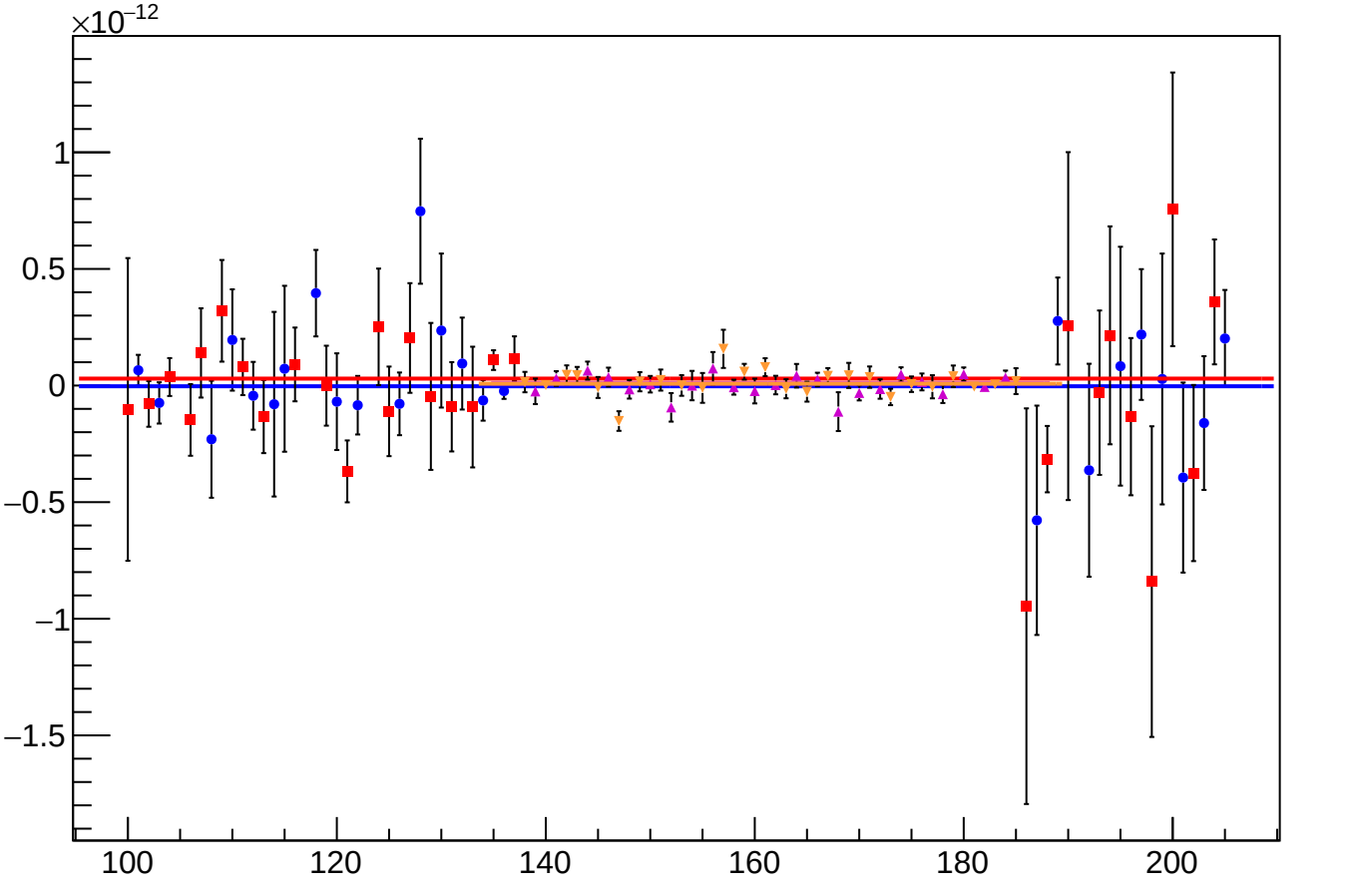
Right Out: 2420.868+/-0.454 χ^2/NDF: 1815821.2/28

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2028.043+/-0.254 χ^2/NDF: 2792260.0/49

All: 2041.627+/-0.181 χ^2/NDF: 6031059.2/10

- sign 2055.629+/-0.258 χ^2/NDF: 3232988.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/28

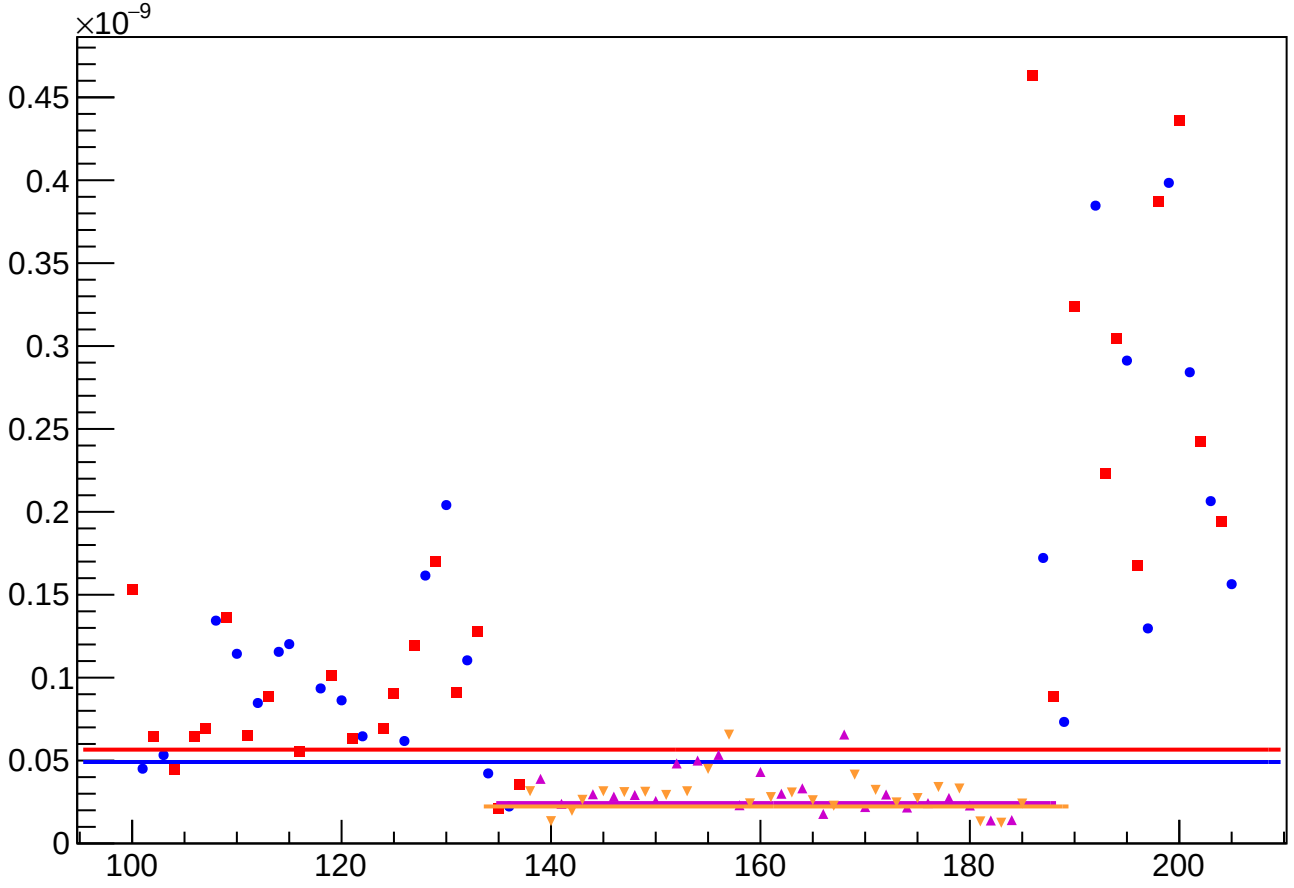
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/49

All: 0.000+/-0.000 χ^2/NDF: 111.5/101

- sign 0.000+/-0.000 χ^2/NDF: 55.3/51

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7591706.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7175965.6/28

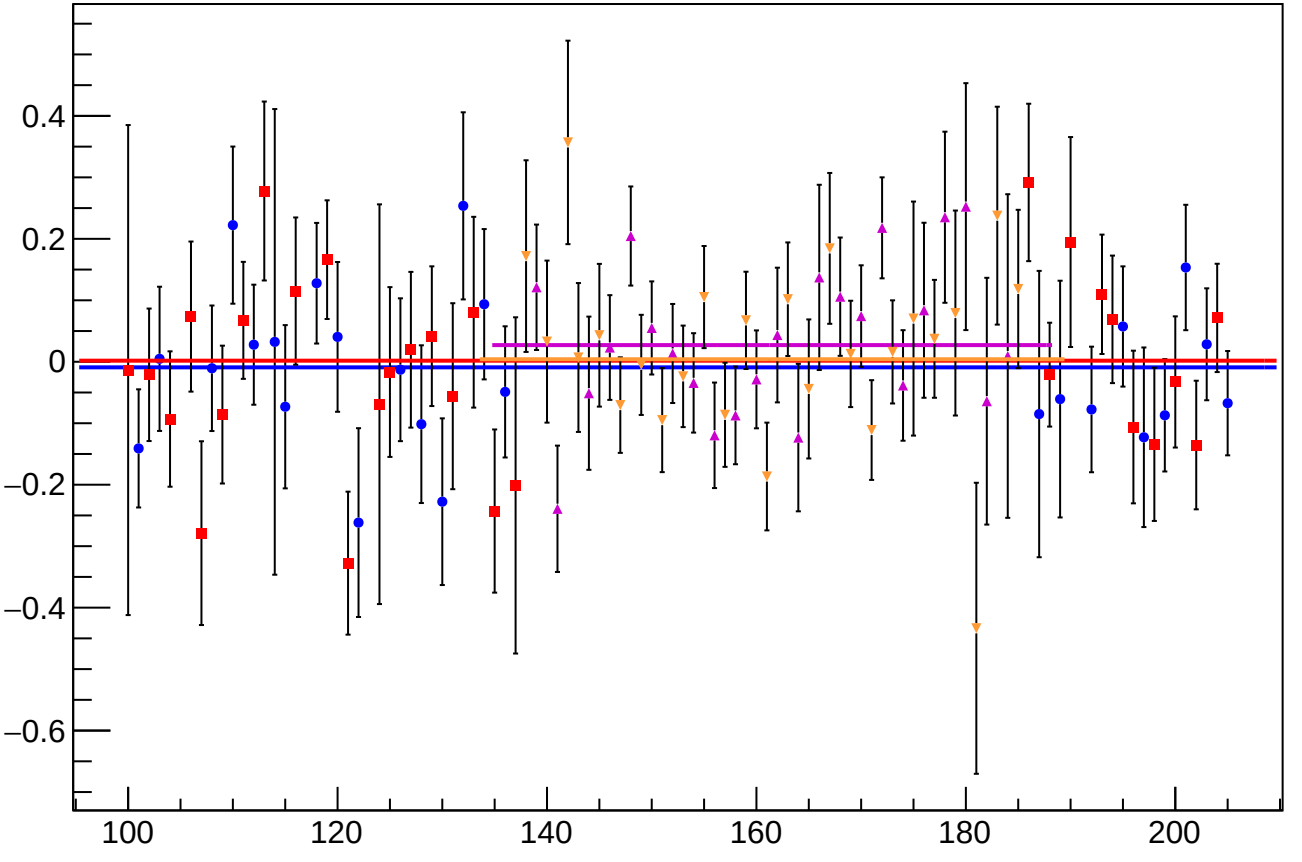
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13600085.8/49

All: 0.000+/-0.000 χ^2/NDF: 26843381.6/101

- sign 0.000+/-0.000 χ^2/NDF: 13122578.6/51

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

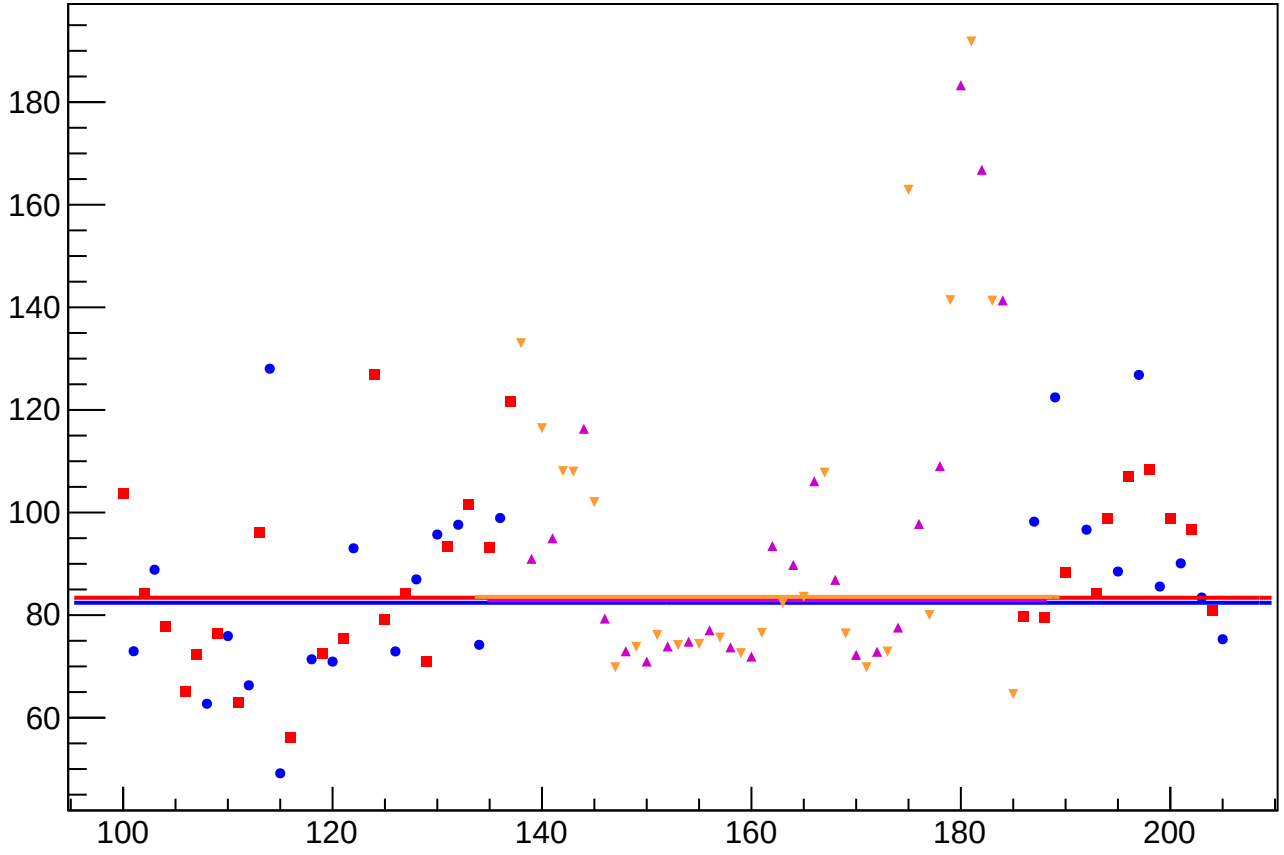
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.007+/-0.011 χ^2/NDF: 122.8/101

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

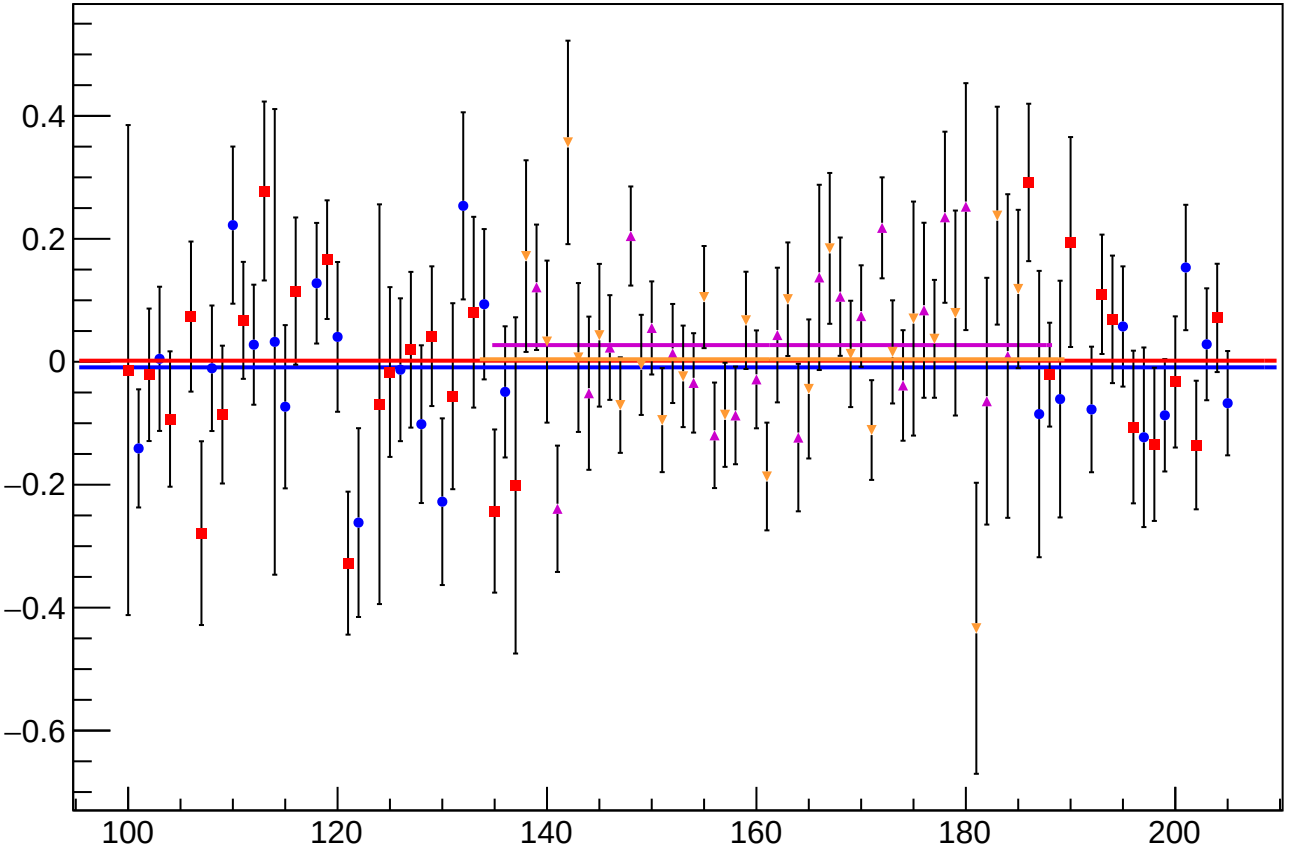
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 83.062+/-0.011 χ^2/NDF: 3009022.3/49

All: 83.089+/-0.008 χ^2/NDF: 5328598.6/101

\- sign 83.116+/-0.011 χ^2/NDF: 2319563.4/51

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

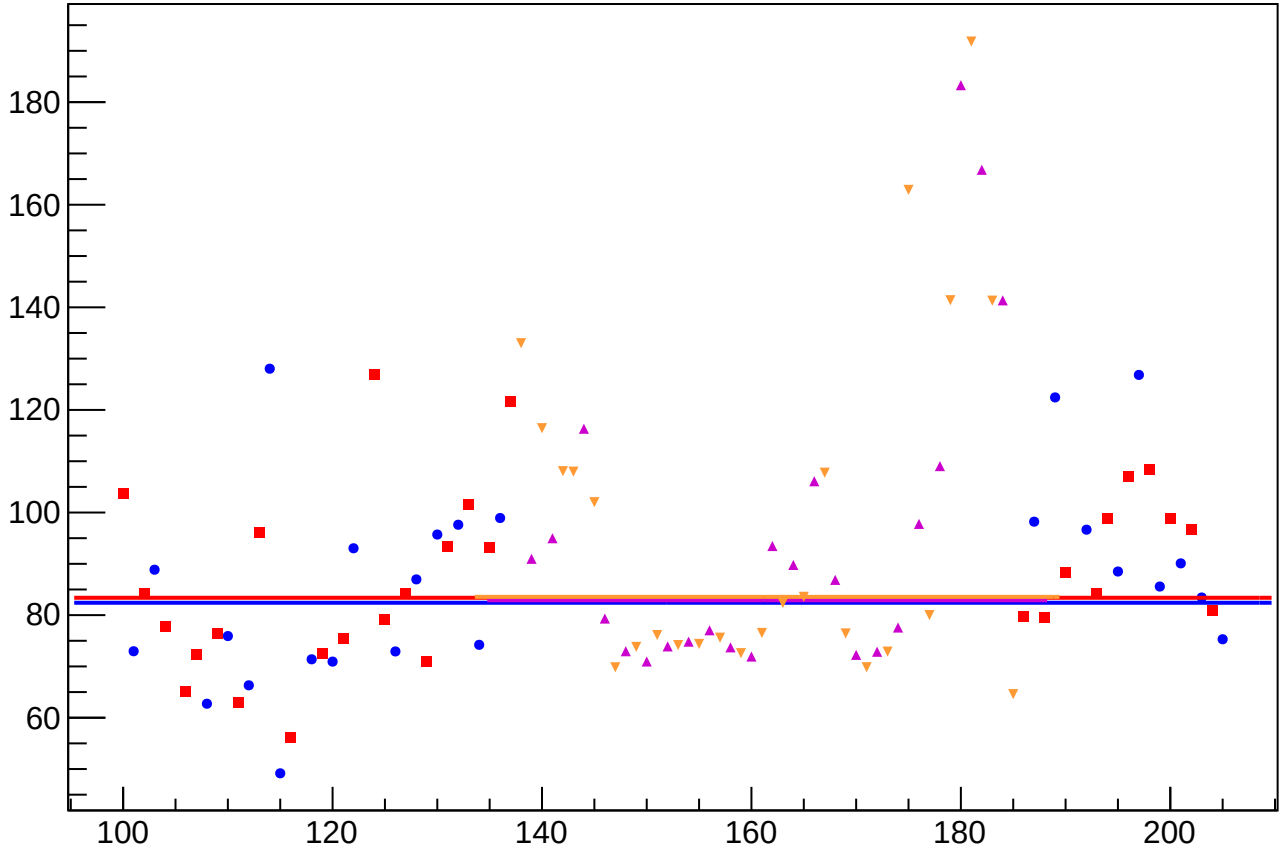
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.007+/-0.011 χ^2/NDF: 122.8/101

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

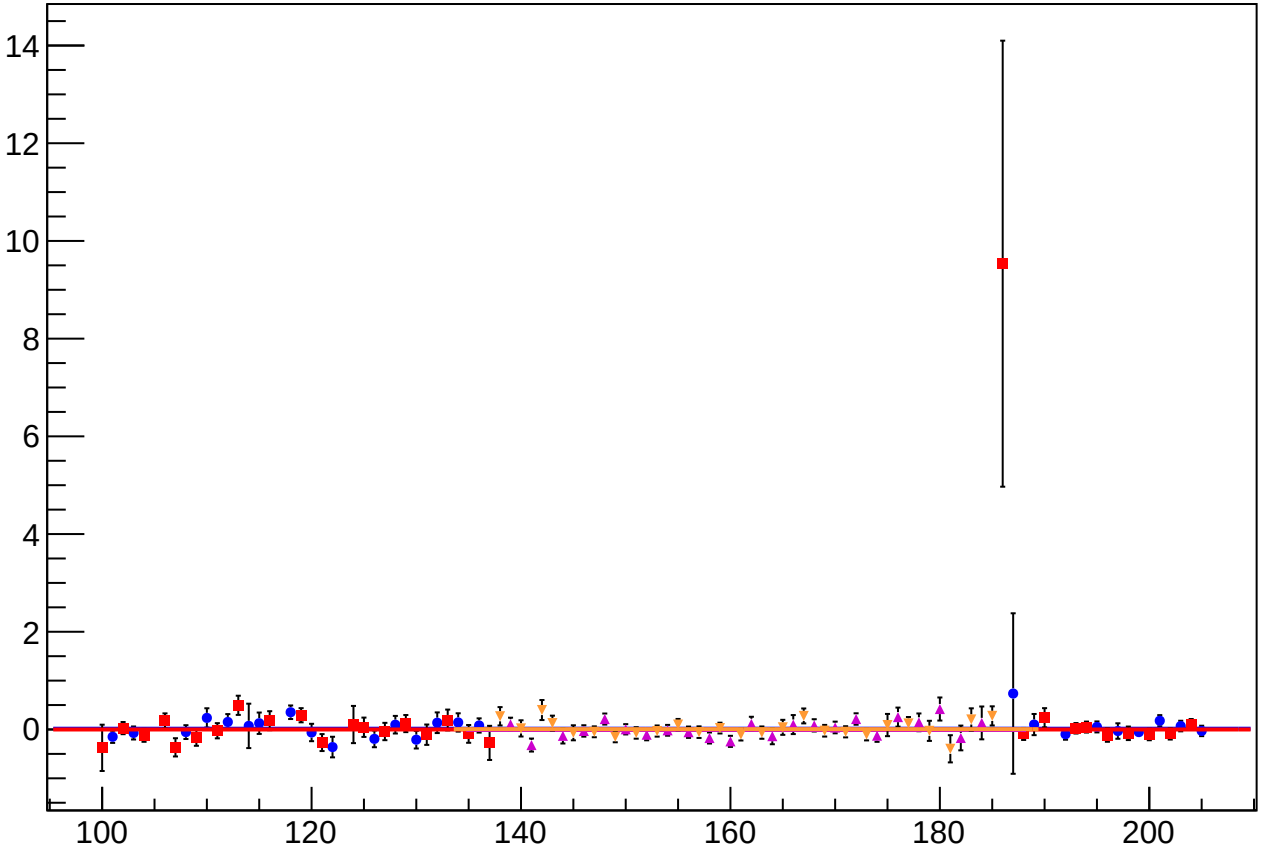
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 83.062+/-0.011 χ^2/NDF: 3009022.3/49

All: 83.089+/-0.008 χ^2/NDF: 5328598.6/101

- sign 83.116+/-0.011 χ^2/NDF: 2319563.4/51

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.001+/-0.029 χ^2/NDF: 33.9/28

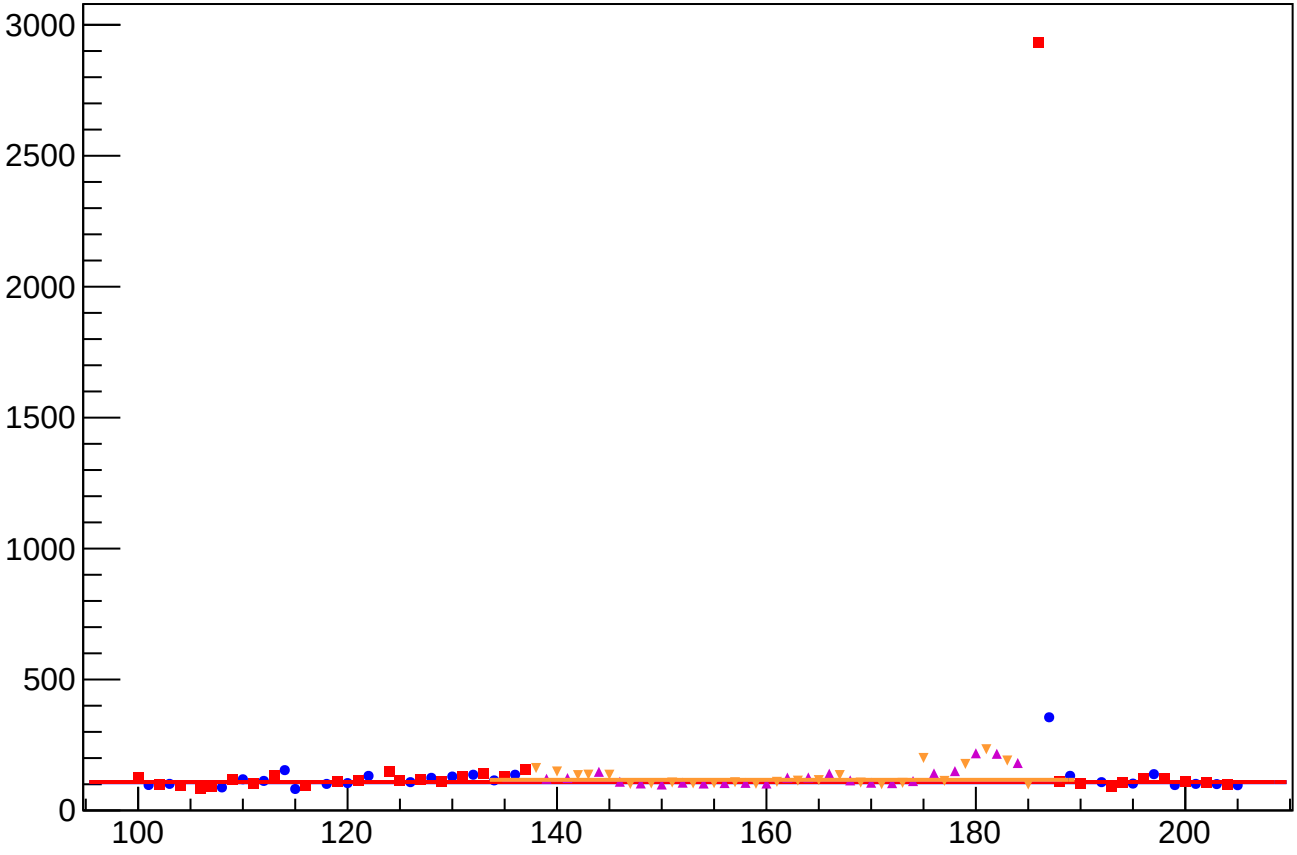
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.020 χ^2/NDF: 44.0/49

All: 0.002+/-0.014 χ^2/NDF: 109.6/101

- sign -0.005+/-0.020 χ^2/NDF: 65.3/51

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 107.780+/-0.021 χ^2/NDF: 519879.4/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.587+/-0.021 χ^2/NDF: 1196572.0/28

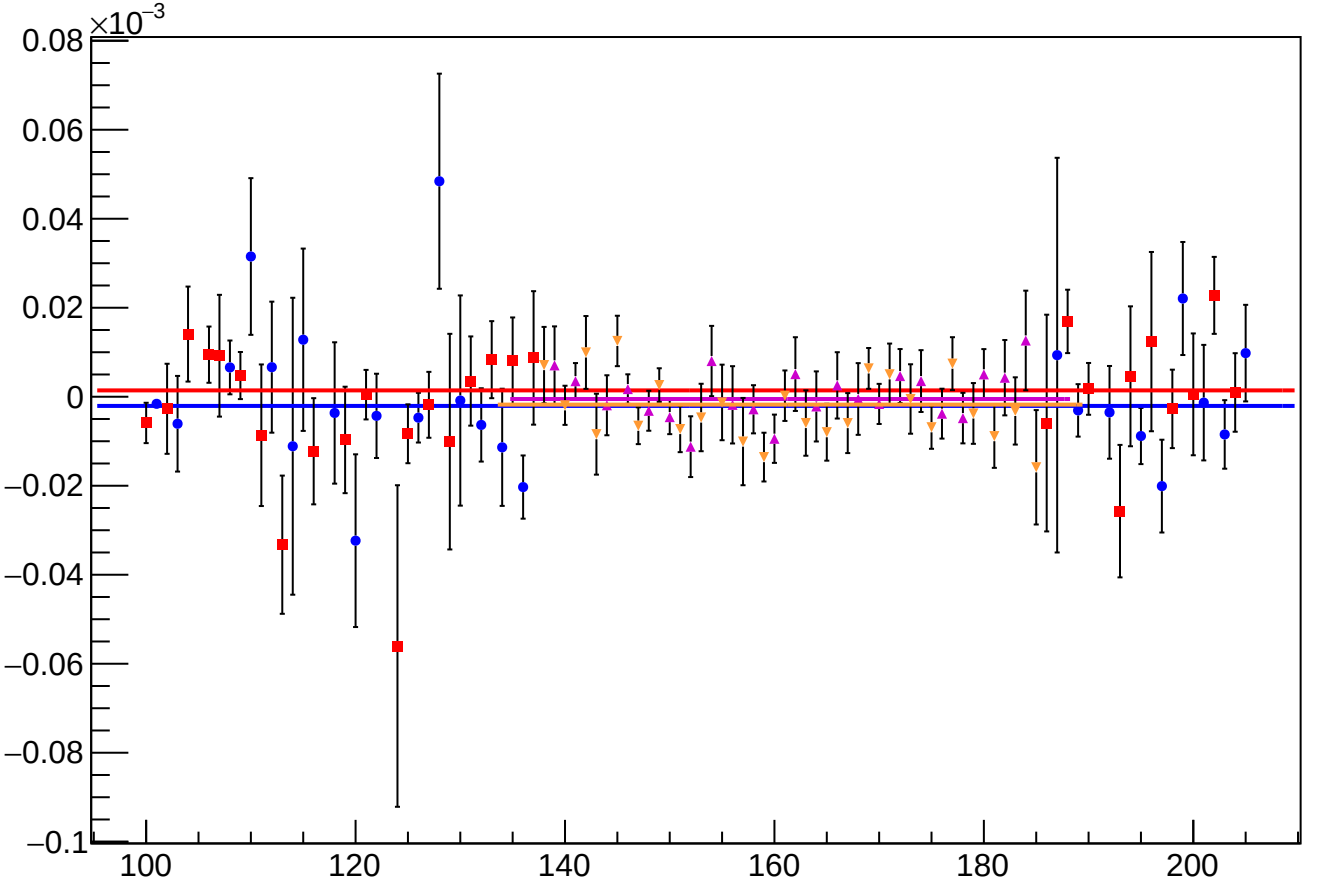
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 112.661+/-0.014 χ^2/NDF: 2216427.7/49

All: 112.497+/-0.010 χ^2/NDF: 4709228.1/101

- sign 112.335+/-0.014 χ^2/NDF: 2492540.8/51

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/28

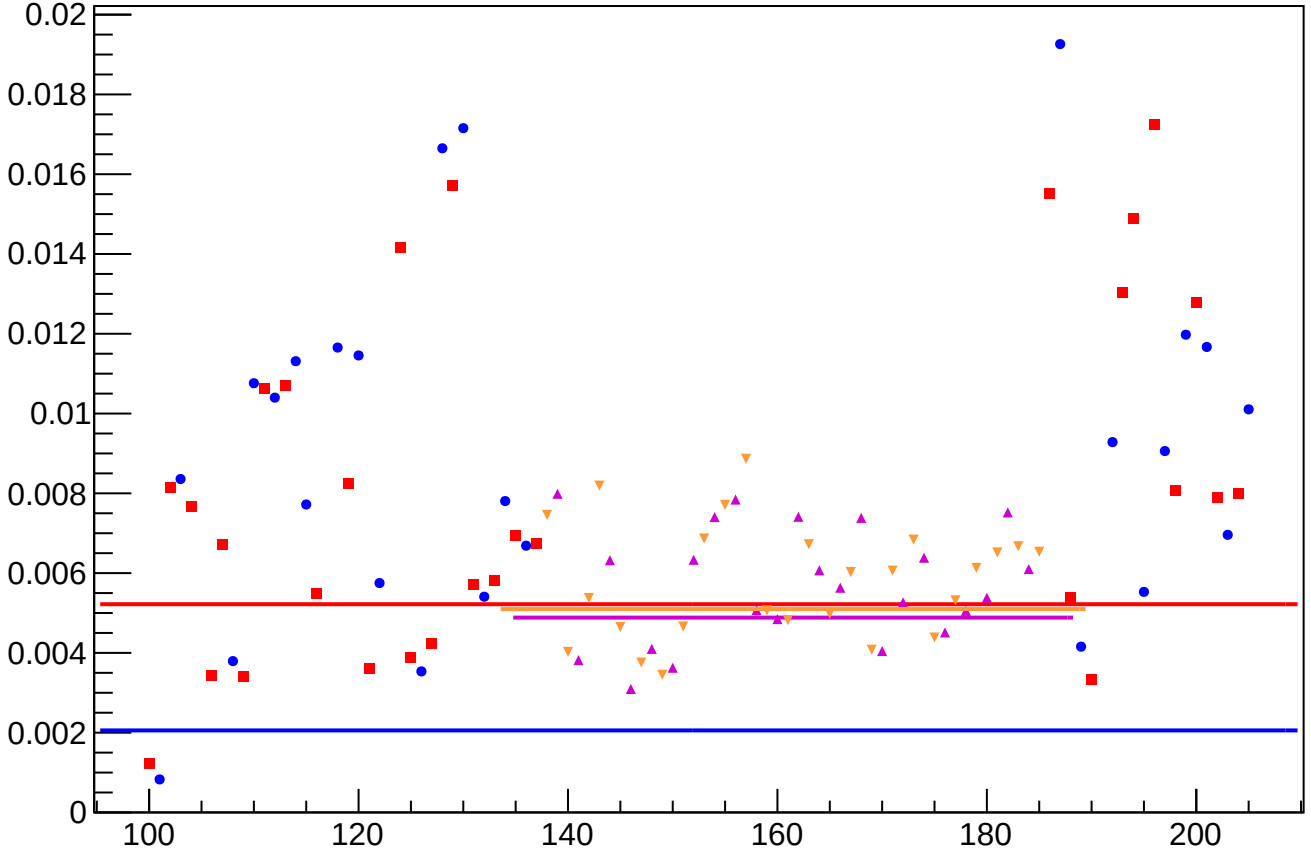
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/49

All: -0.000+/-0.000 χ^2/NDF: 117.3/101

- sign 0.000+/-0.000 χ^2/NDF: 51.9/51

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 17063104.0/24

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7535386.7/28

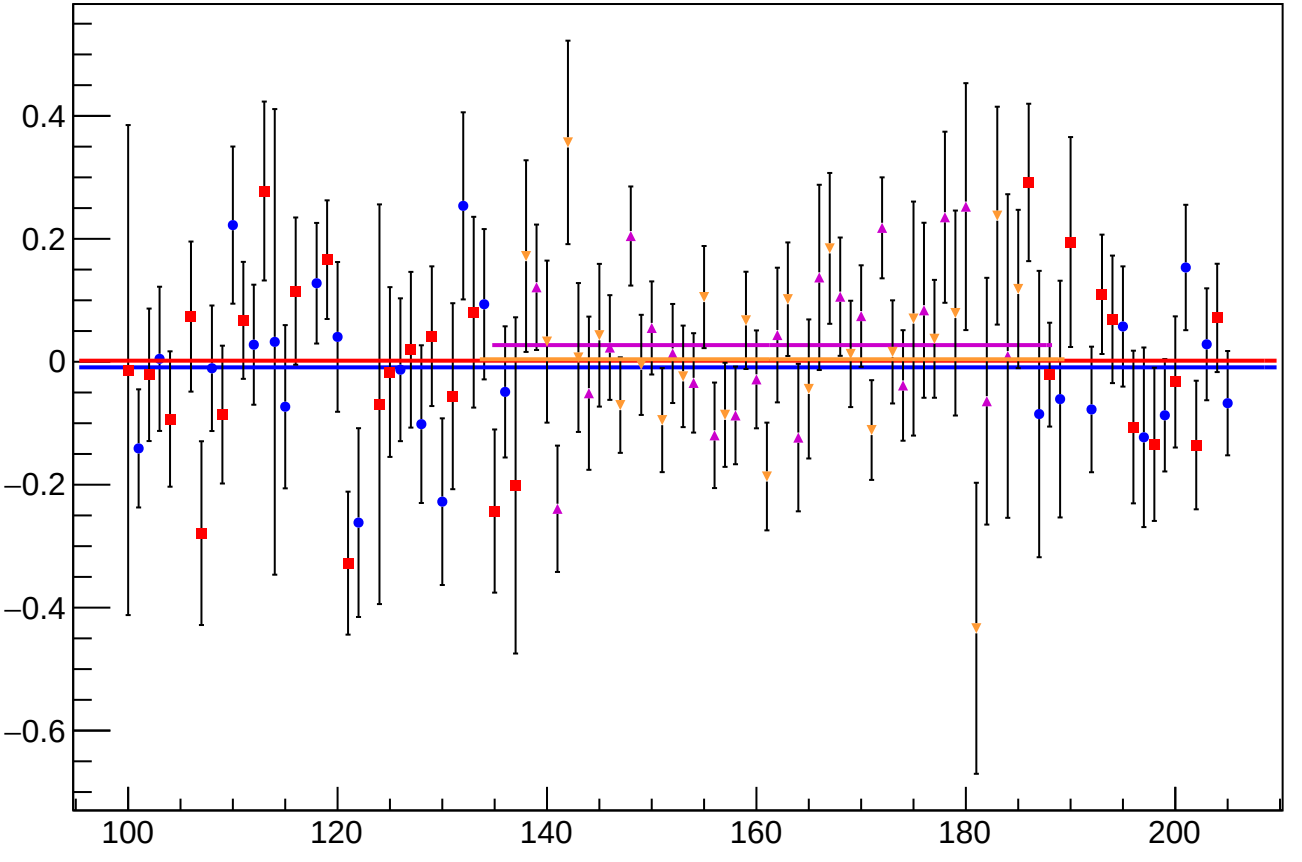
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 27402094.5/49

All: 0.004+/-0.000 χ^2/NDF: 42242942.2/101

- sign 0.005+/-0.000 χ^2/NDF: 10315883.6/51

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

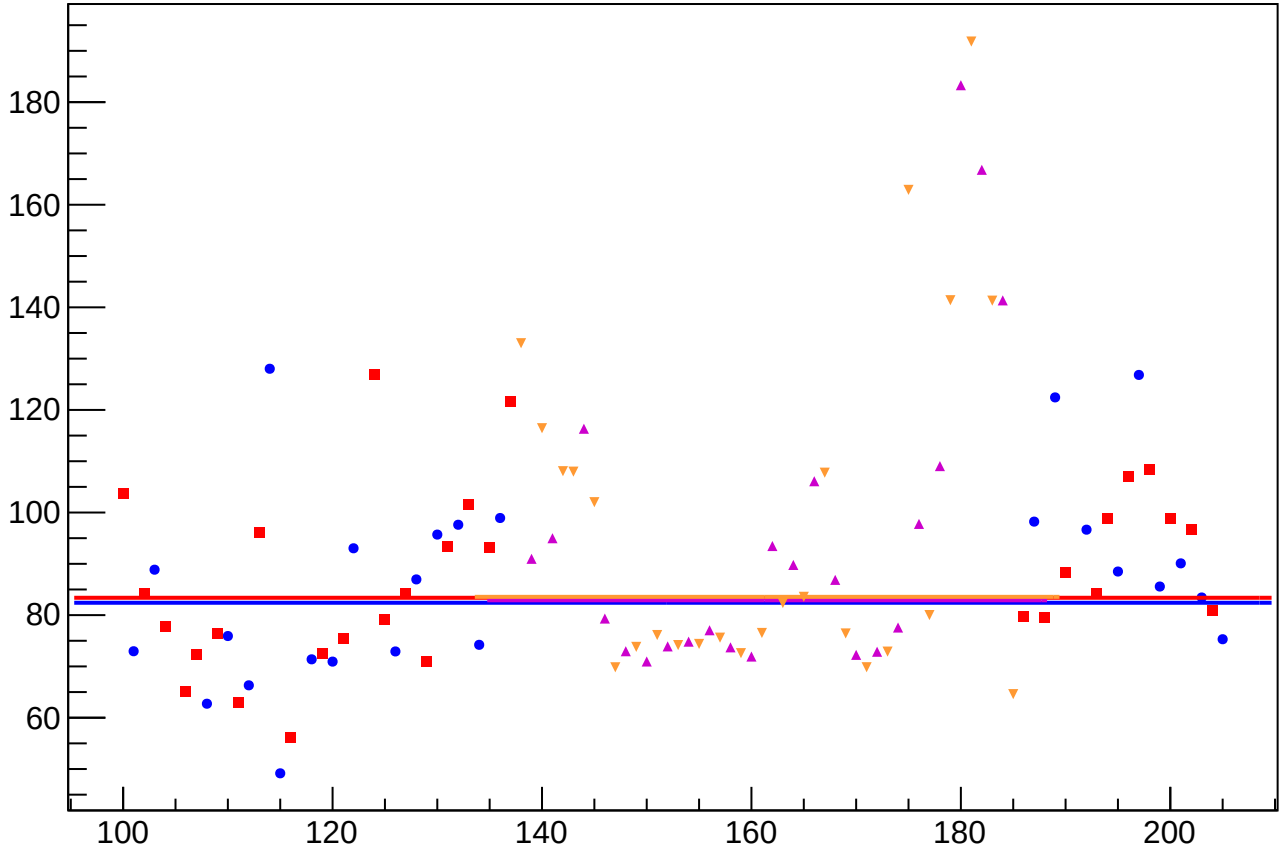
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.007+/-0.011 χ^2/NDF: 122.8/101

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

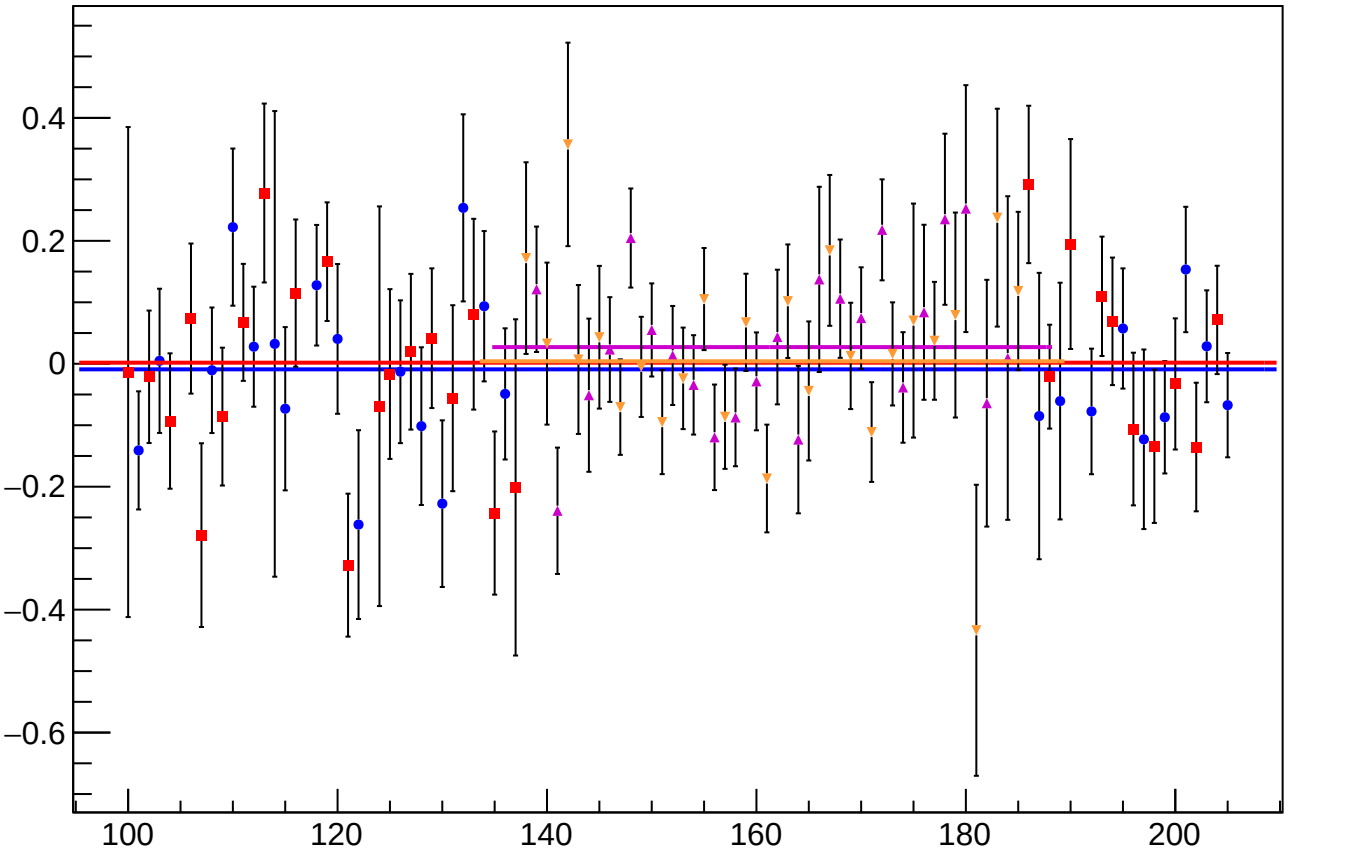
Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.062+/-0.011 χ^2/NDF: 3009032.6/49

All: 83.089+/-0.008 χ^2/NDF: 5328581.1/101

- sign 83.116+/-0.011 χ^2/NDF: 2319535.8/51



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.022 χ^2/NDF: 38.2/28

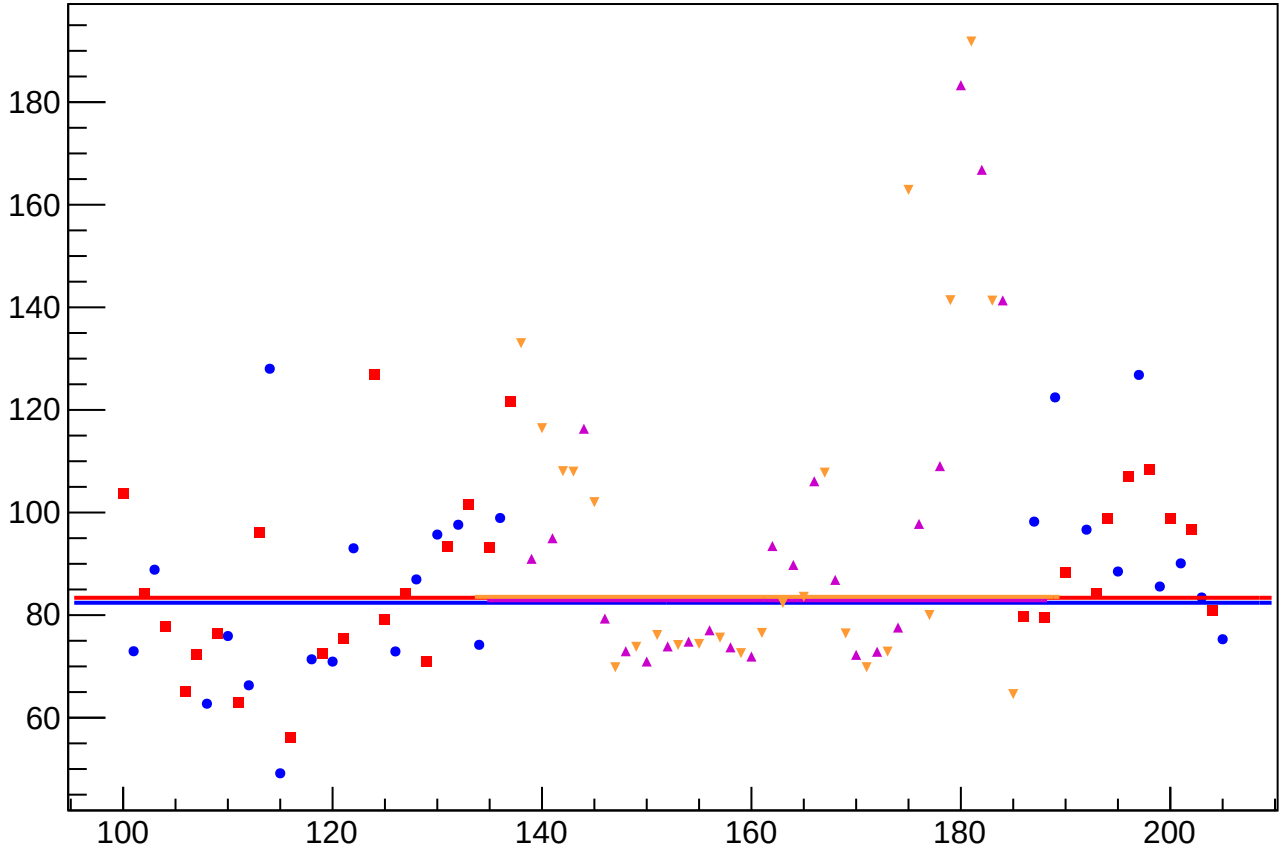
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.007+/-0.011 χ^2/NDF: 122.8/101

- sign 0.015+/-0.015 χ^2/NDF: 70.9/51

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

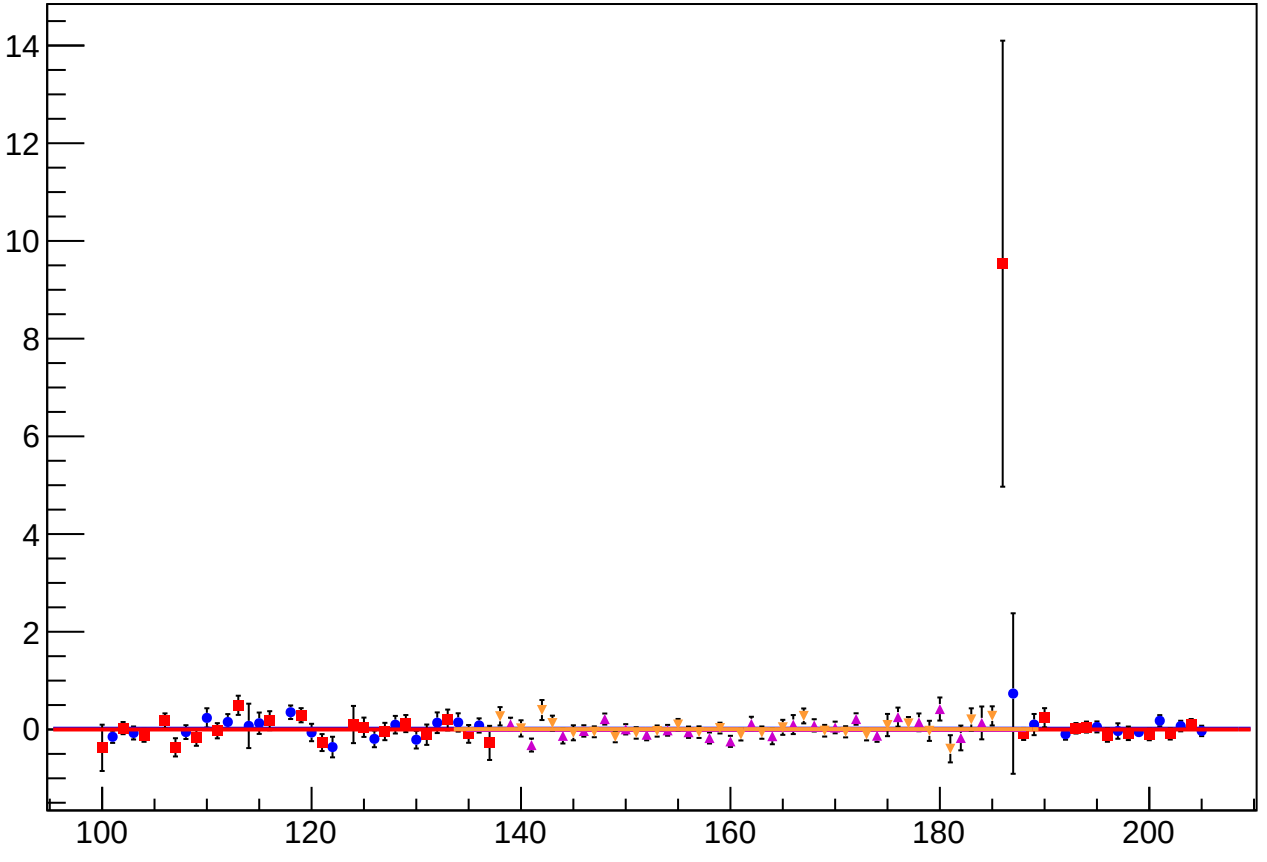
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.062+/-0.011 χ^2/NDF: 3009032.6/49

All: 83.089+/-0.008 χ^2/NDF: 5328581.1/101

- sign 83.116+/-0.011 χ^2/NDF: 2319535.8/51

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.001+/-0.029 χ^2/NDF: 33.9/28

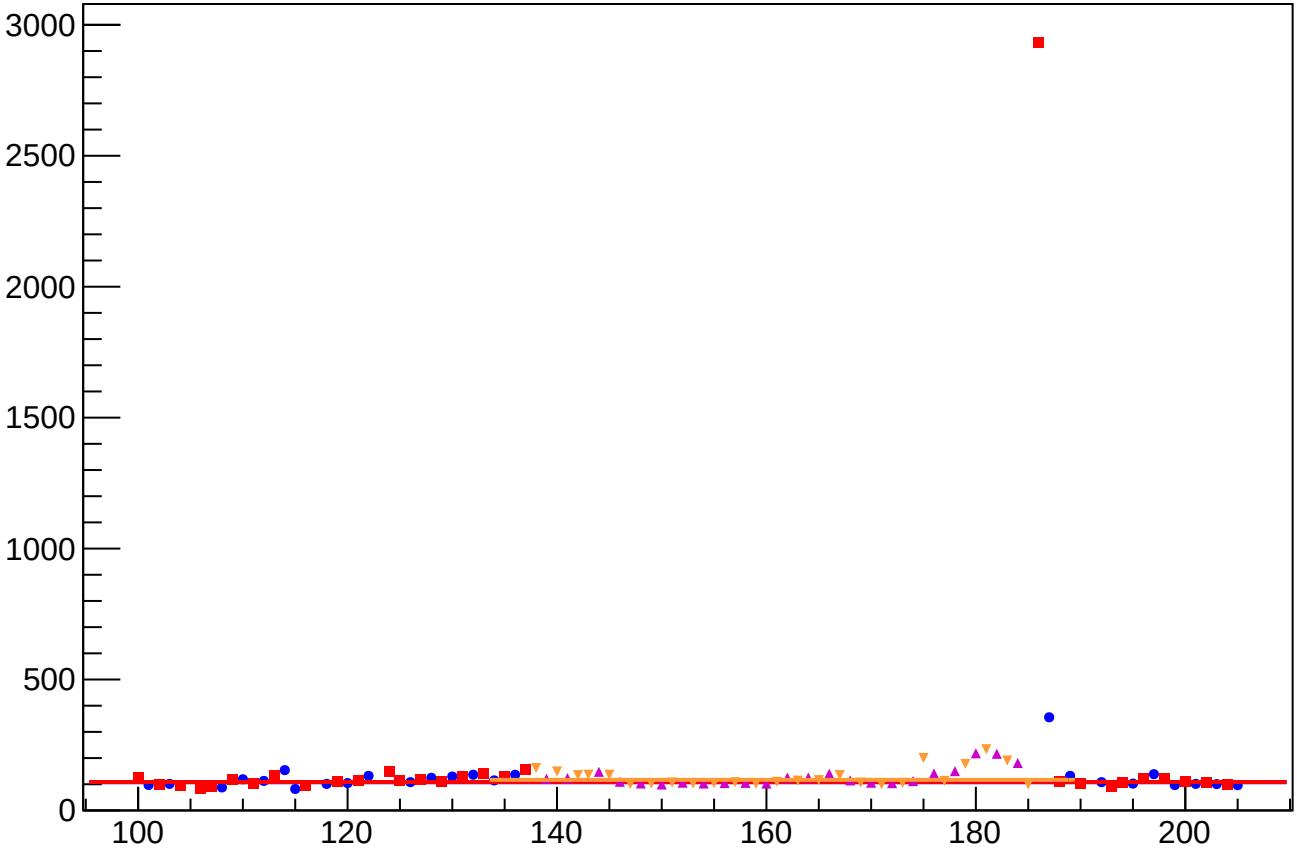
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.020 χ^2/NDF: 44.0/49

All: 0.002+/-0.014 χ^2/NDF: 109.6/101

- sign -0.005+/-0.020 χ^2/NDF: 65.3/51

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 107.779+/-0.021 χ^2/NDF: 519832.1/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

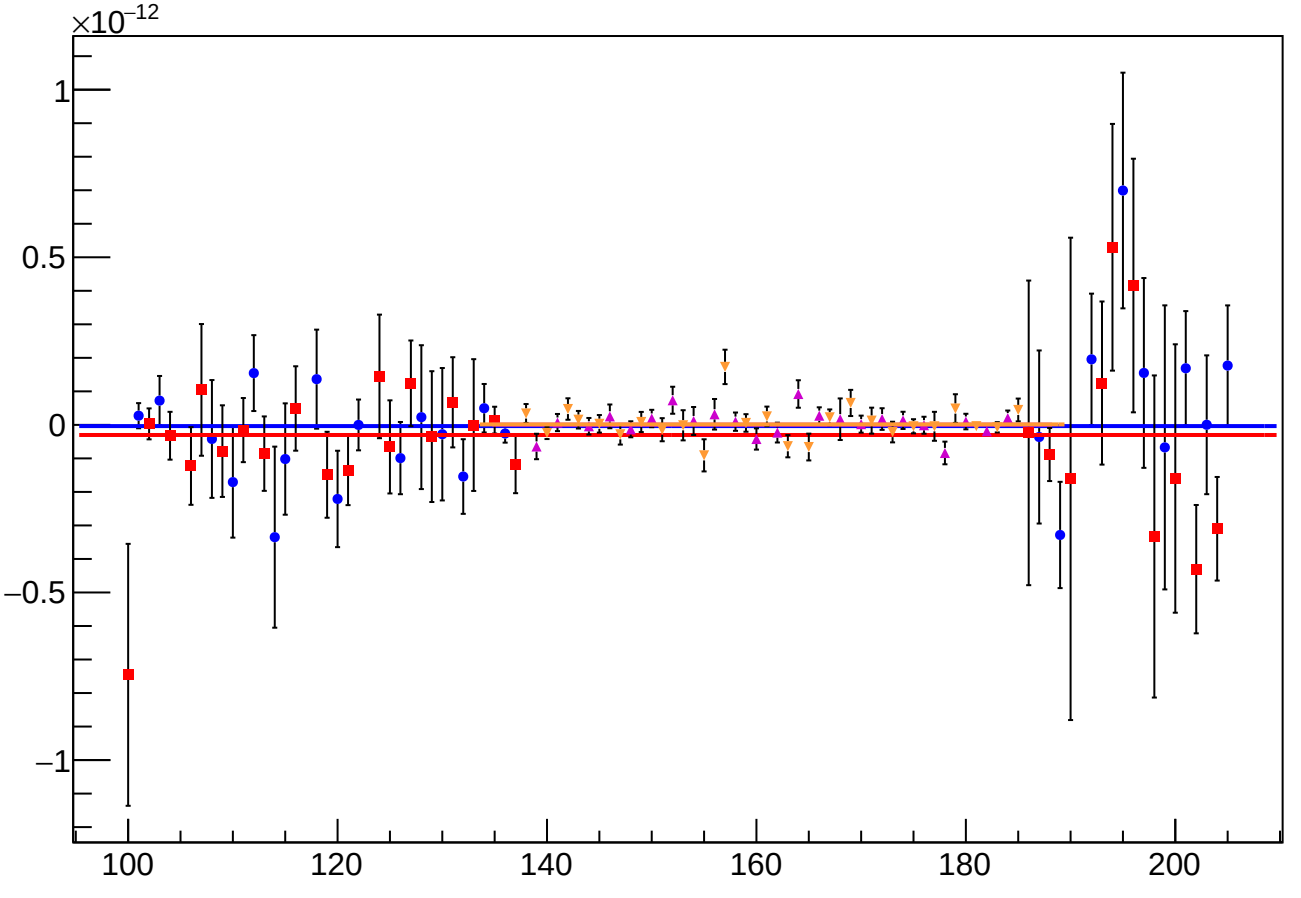
Right Out: 108.586+/-0.021 χ^2/NDF: 1196525.8/28

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 112.662+/-0.014 χ^2/NDF: 2216391.7/49

All: 112.497+/-0.010 χ^2/NDF: 4709150.1/101

- sign 112.335+/-0.014 χ^2/NDF: 2492498.7/51



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/28

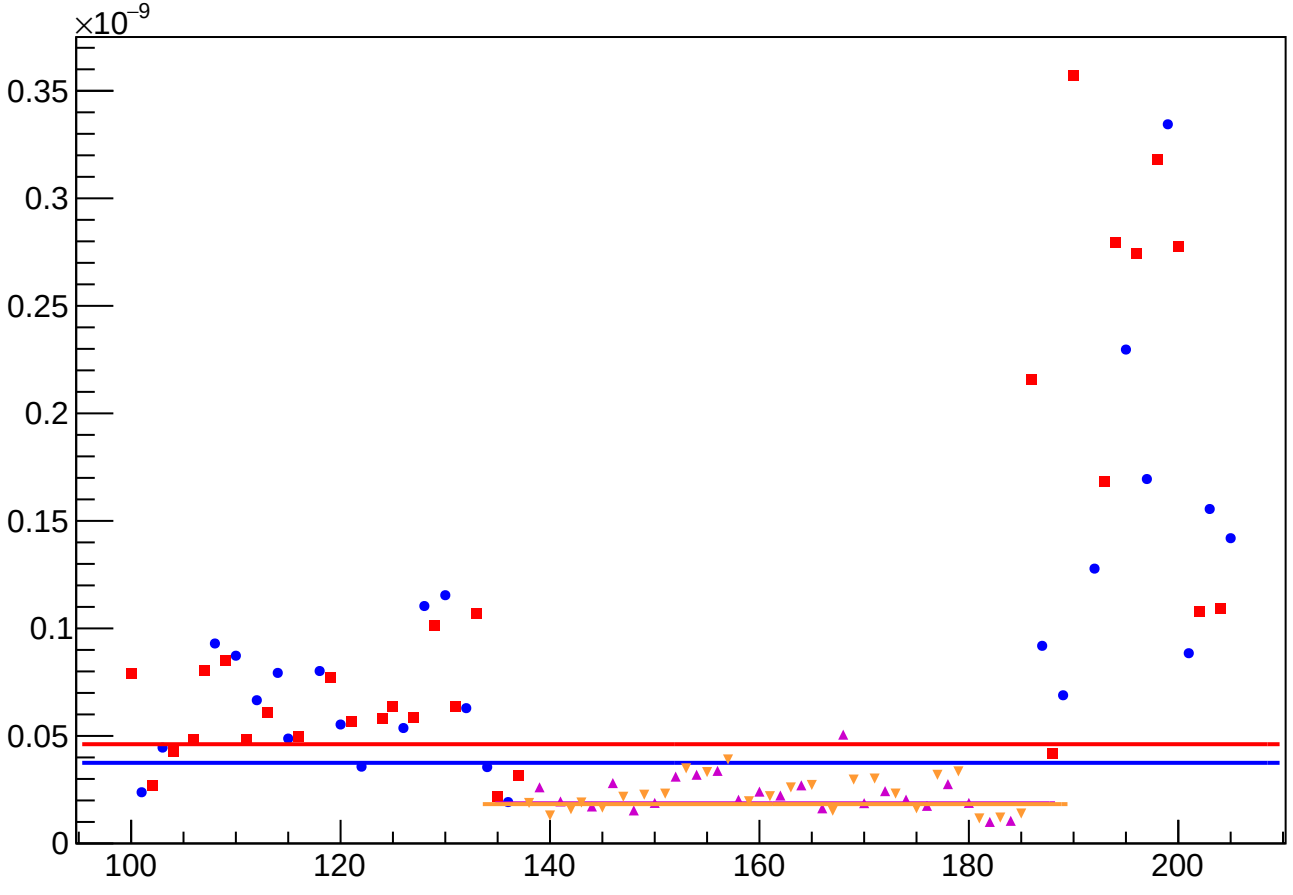
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/49

All: -0.000+/-0.000 χ^2/NDF: 116.7/101

- sign -0.000+/-0.000 χ^2/NDF: 54.6/51

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6757114.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6566649.4/28

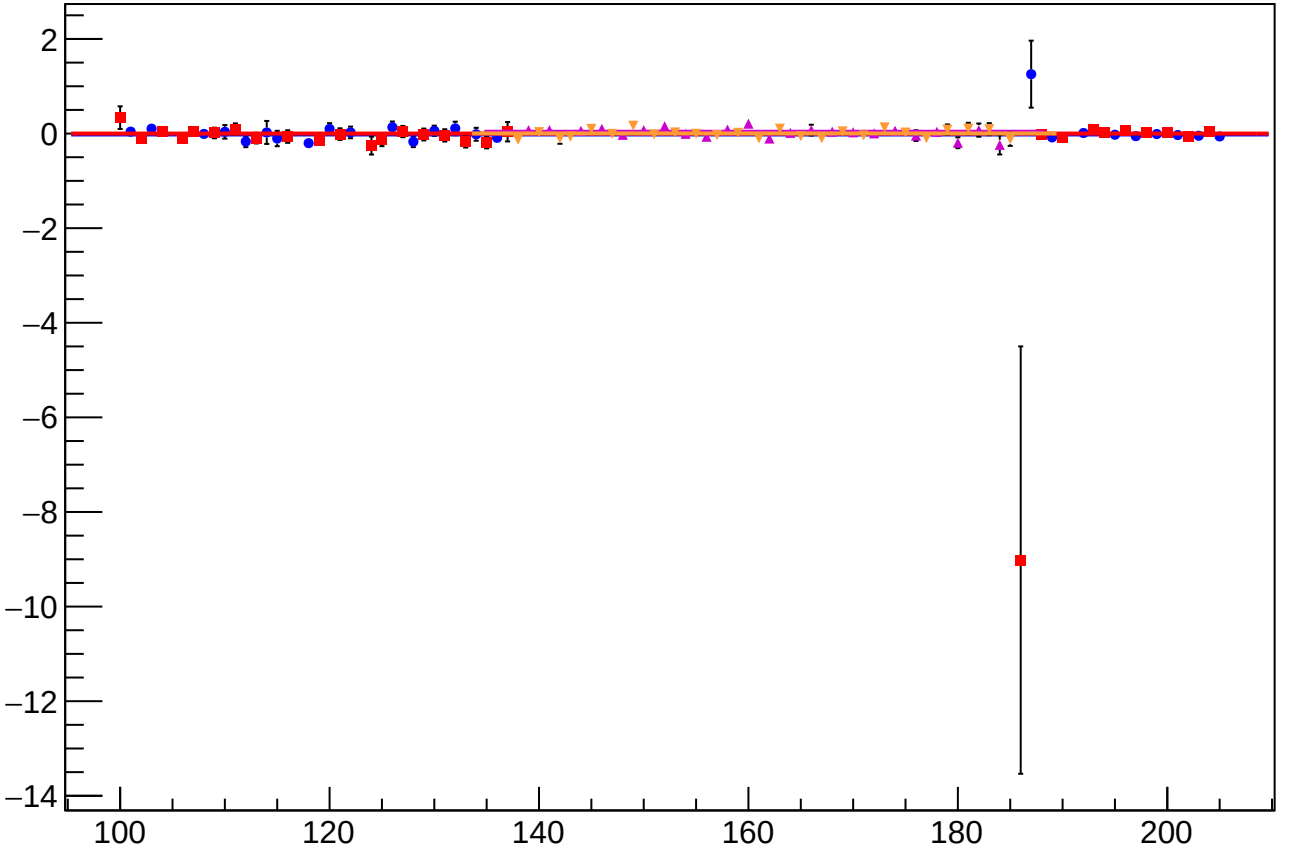
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12011187.6/49

All: 0.000+/-0.000 χ^2/NDF: 25024575.8/101

- sign 0.000+/-0.000 χ^2/NDF: 12994234.6/51

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.013 χ^2/NDF: 35.9/28

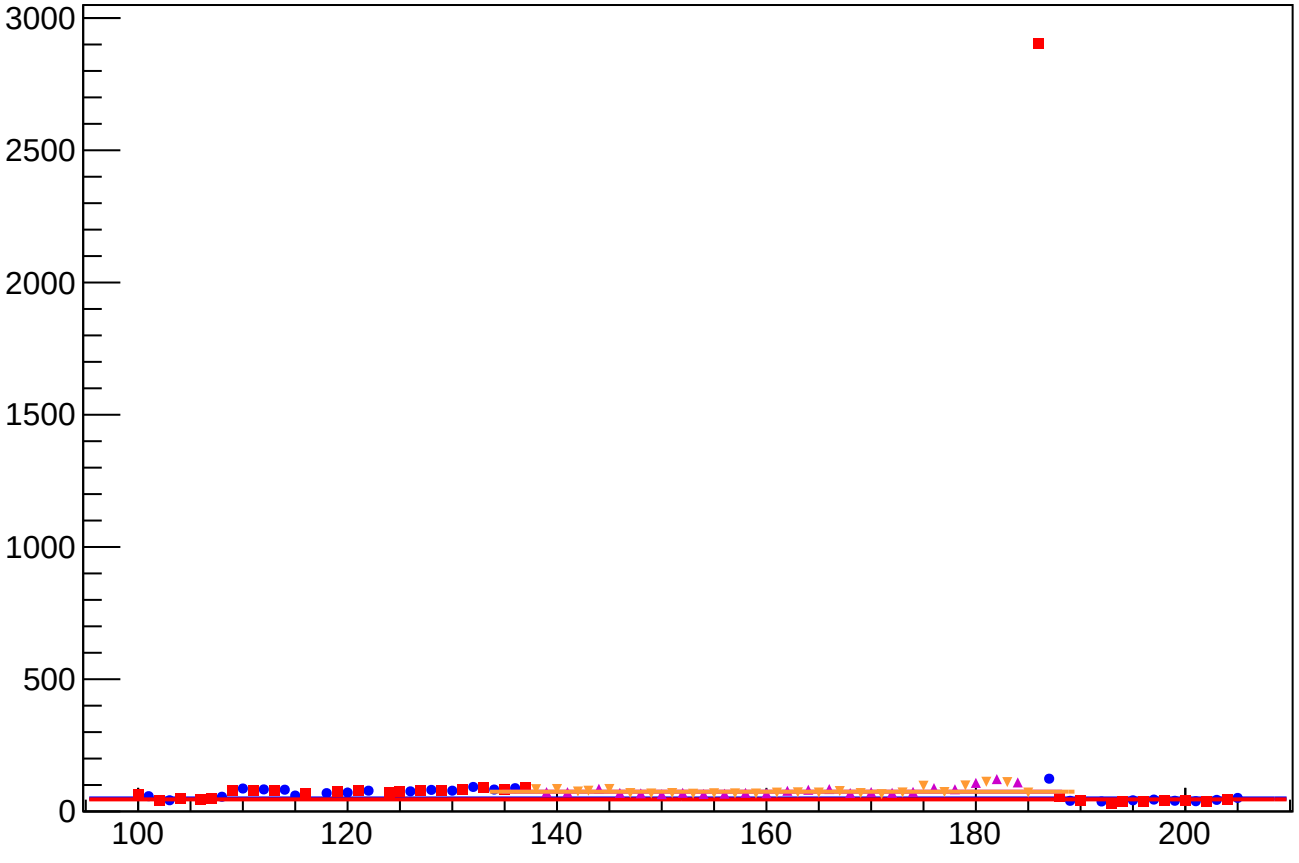
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/49

All: 0.002+/-0.008 χ^2/NDF: 109.2/101

- sign 0.013+/-0.010 χ^2/NDF: 60.5/51

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

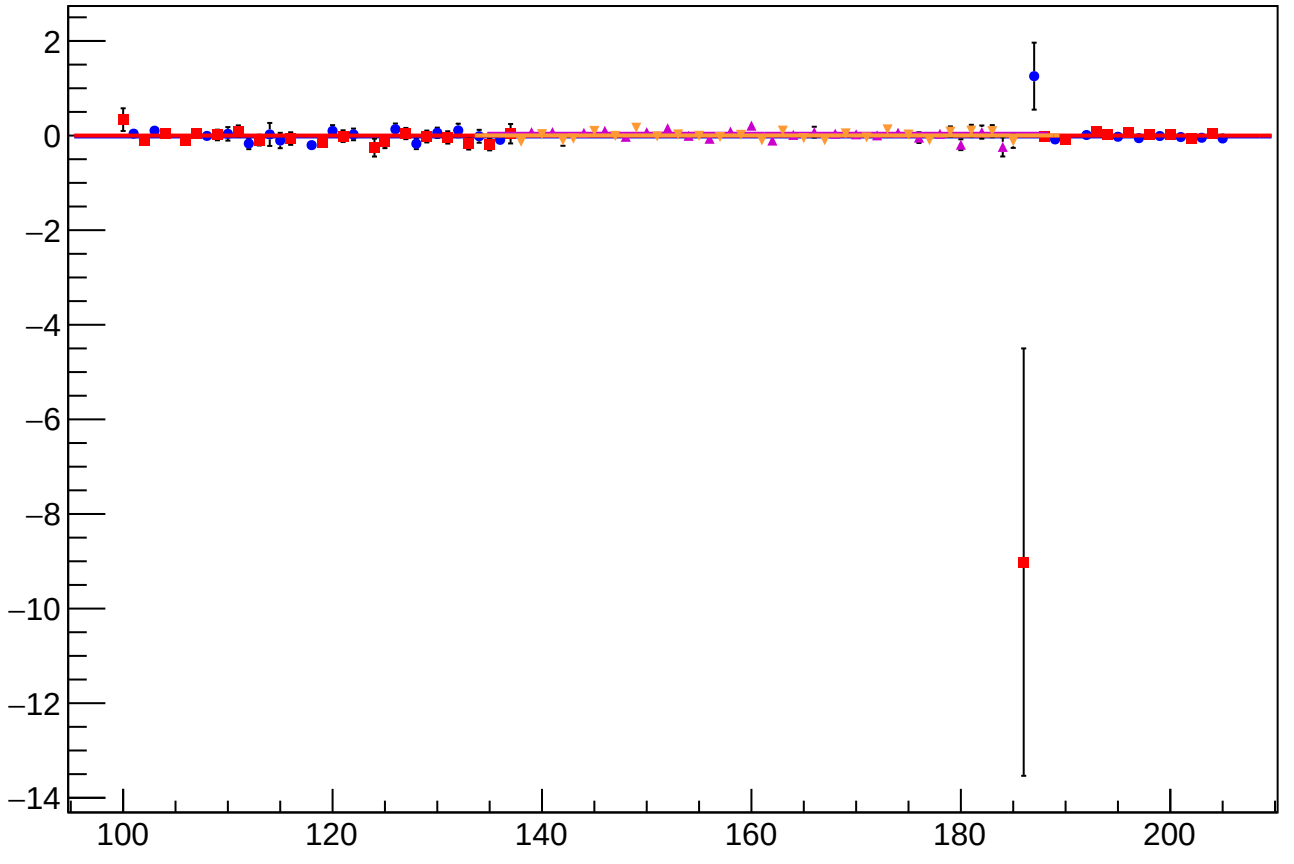
Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 59.377+/-0.008 χ^2/NDF: 5565233.8/49

All: 57.402+/-0.005 χ^2/NDF: 13459510.2/101

- sign 55.600+/-0.007 χ^2/NDF: 7770459.0/51



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.013 χ^2/NDF: 35.9/28

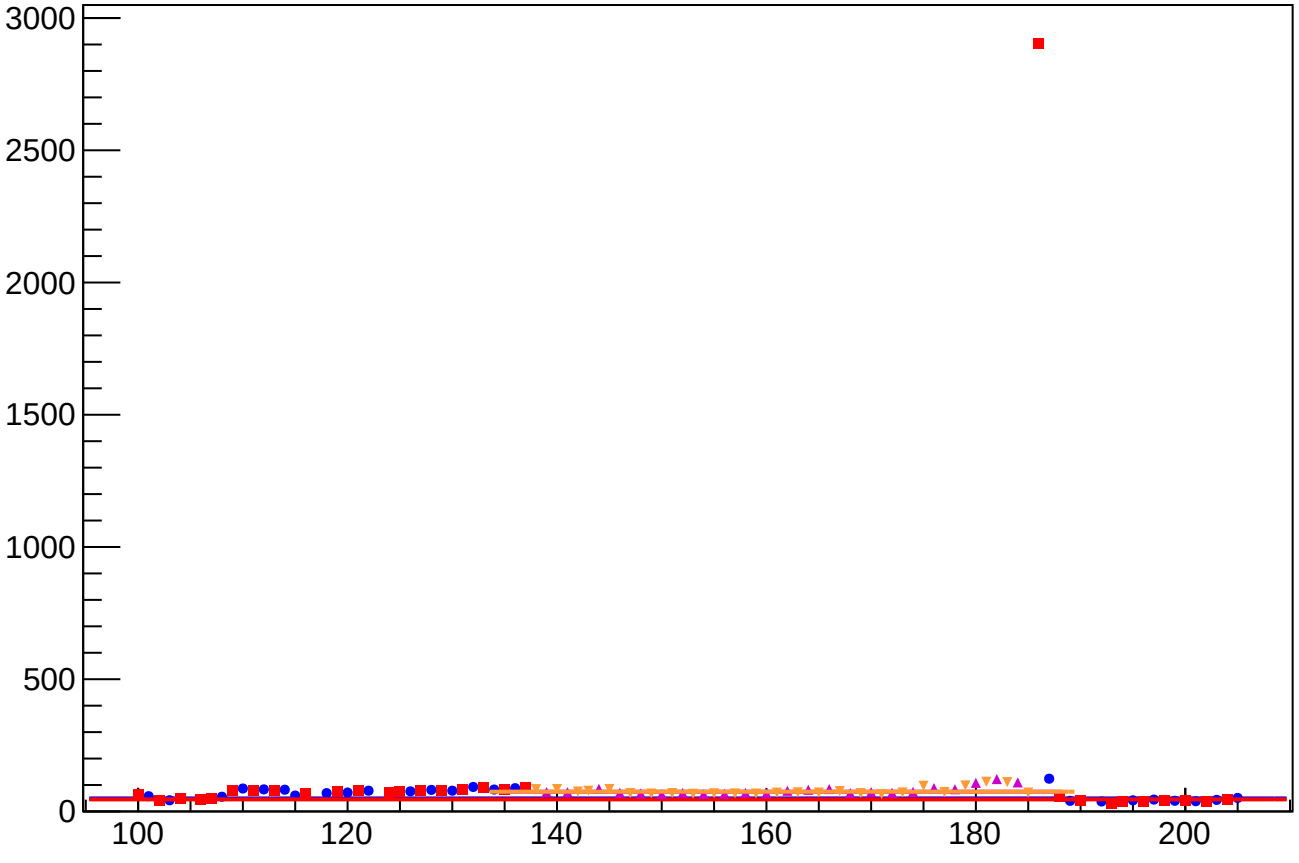
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/49

All: 0.002+/-0.008 χ^2/NDF: 109.2/101

- sign 0.013+/-0.010 χ^2/NDF: 60.5/51

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

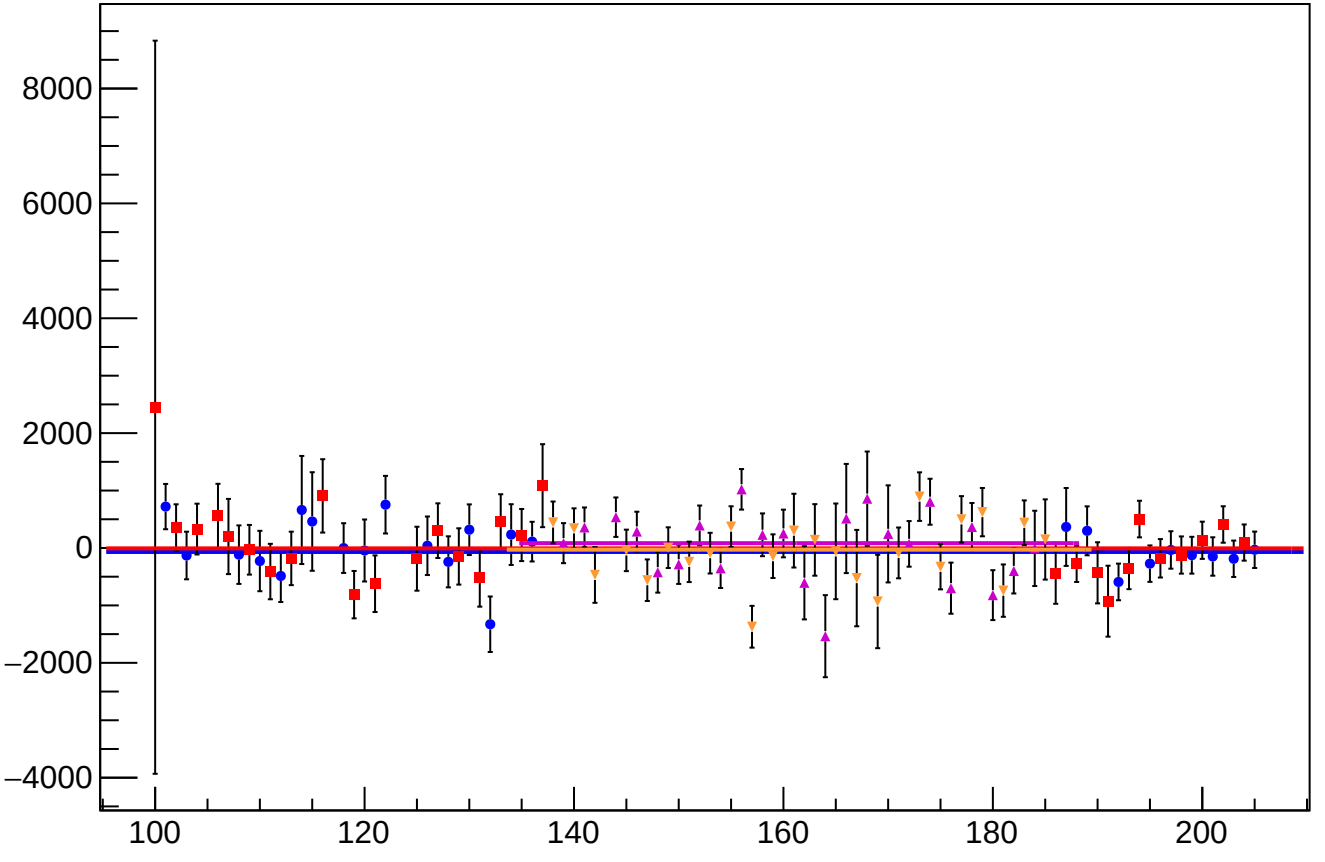
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 59.377+/-0.008 χ^2/NDF: 5565233.8/49

All: 57.402+/-0.005 χ^2/NDF: 13459510.2/101

- sign 55.600+/-0.007 χ^2/NDF: 7770459.0/51

asym_dsl_mean vs Slug



Right In: -69.065+/-82.883 χ^2/NDF: 21.5/24

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -7.039+/-80.102 χ^2/NDF: 26.3/28

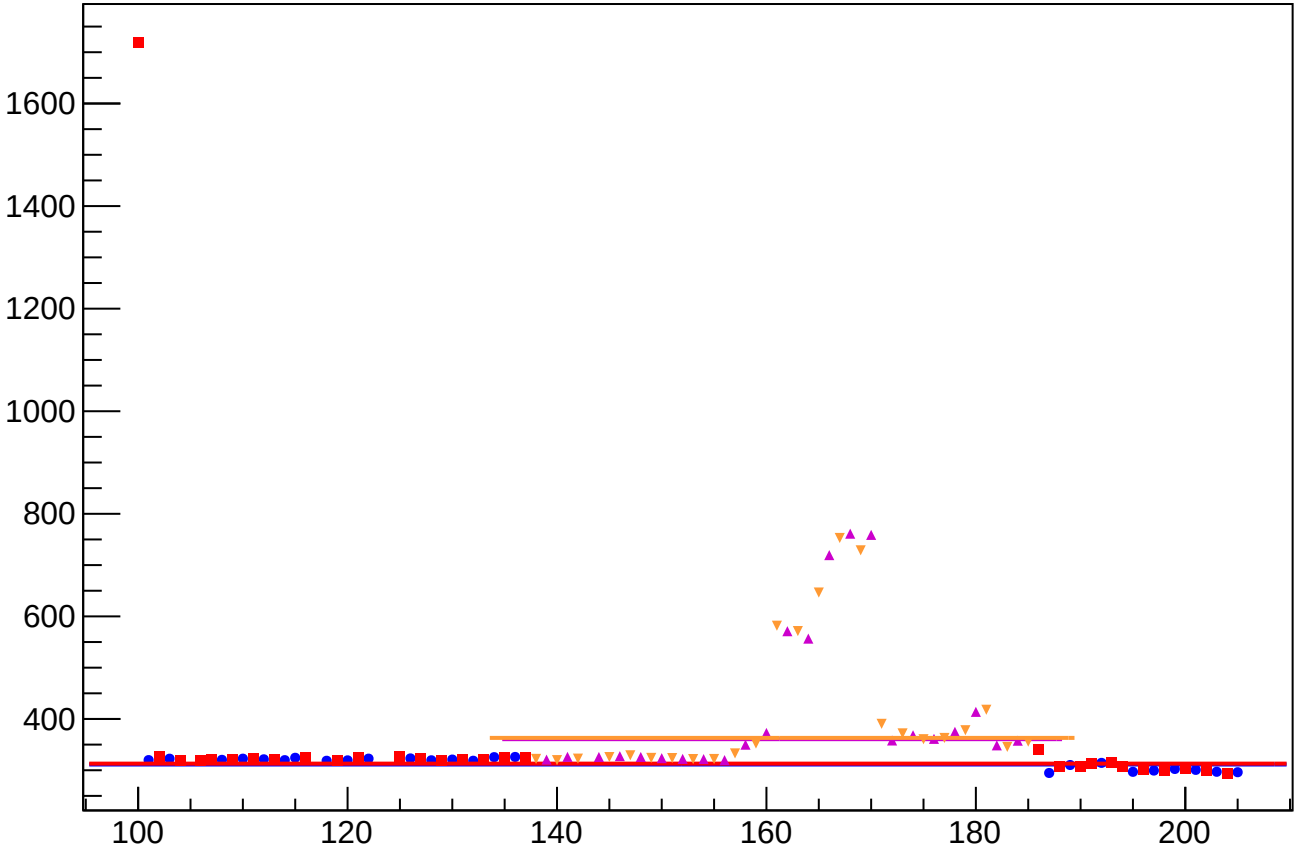
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -50.060+/-59.855 χ^2/NDF: 58.2/48

All: -6.814+/-41.933 χ^2/NDF: 121.9/100

- sign 34.872+/-58.765 χ^2/NDF: 62.7/51

asym_dsl_rms vs Slug



Right In: 311.179+/-0.059 χ^2/NDF: 36015.4/24

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 312.904+/-0.057 χ^2/NDF: 135690.3/28

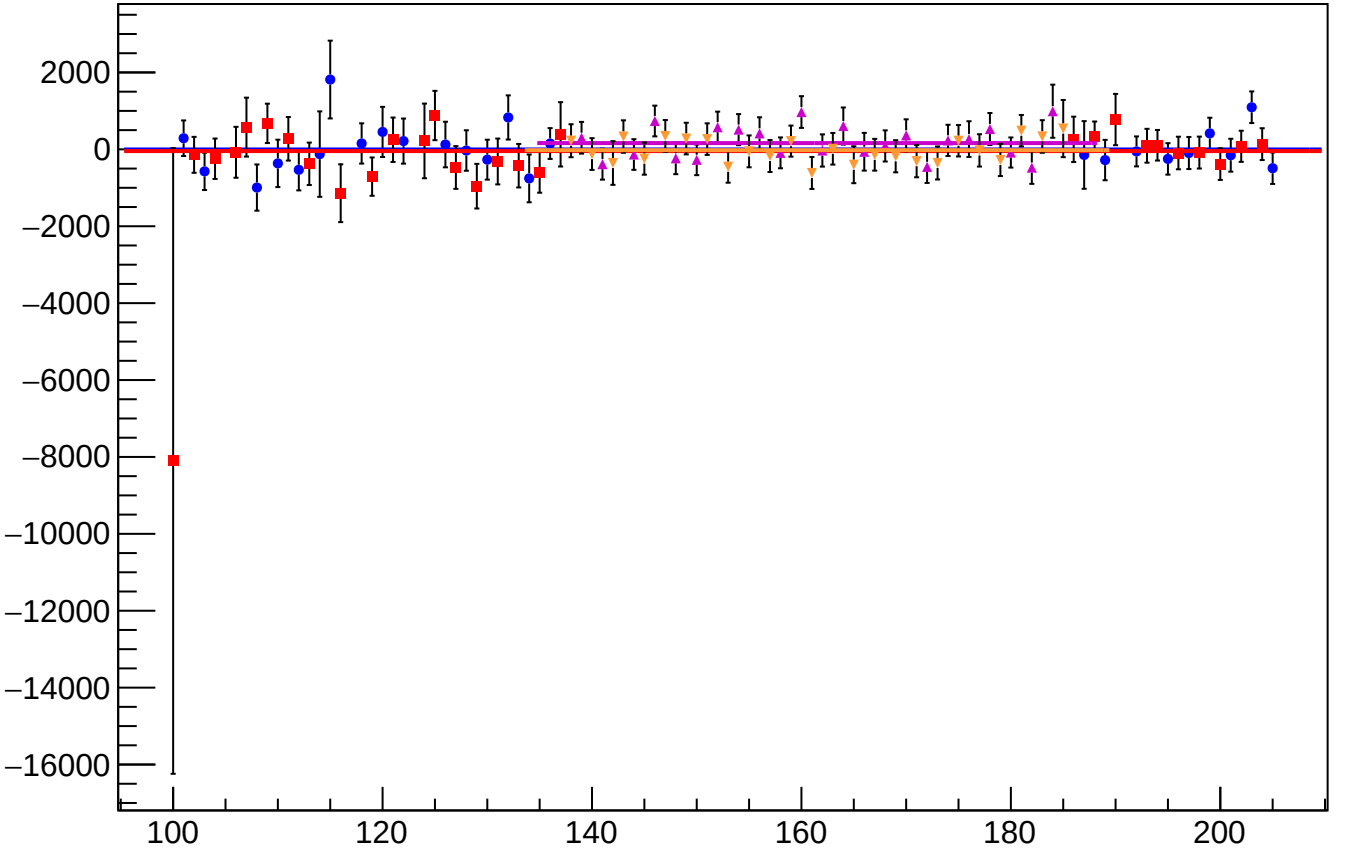
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 336.012+/-0.042 χ^2/NDF: 2206819.6/48

All: 335.457+/-0.030 χ^2/NDF: 4487801.8/100

- sign 334.923+/-0.042 χ^2/NDF: 2280644.5/51

asym_dsr_mean vs Slug



Right In: -3.377+/-101.484 χ^2/NDF: 24.2/24

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -45.114+/-97.984 χ^2/NDF: 19.8/28

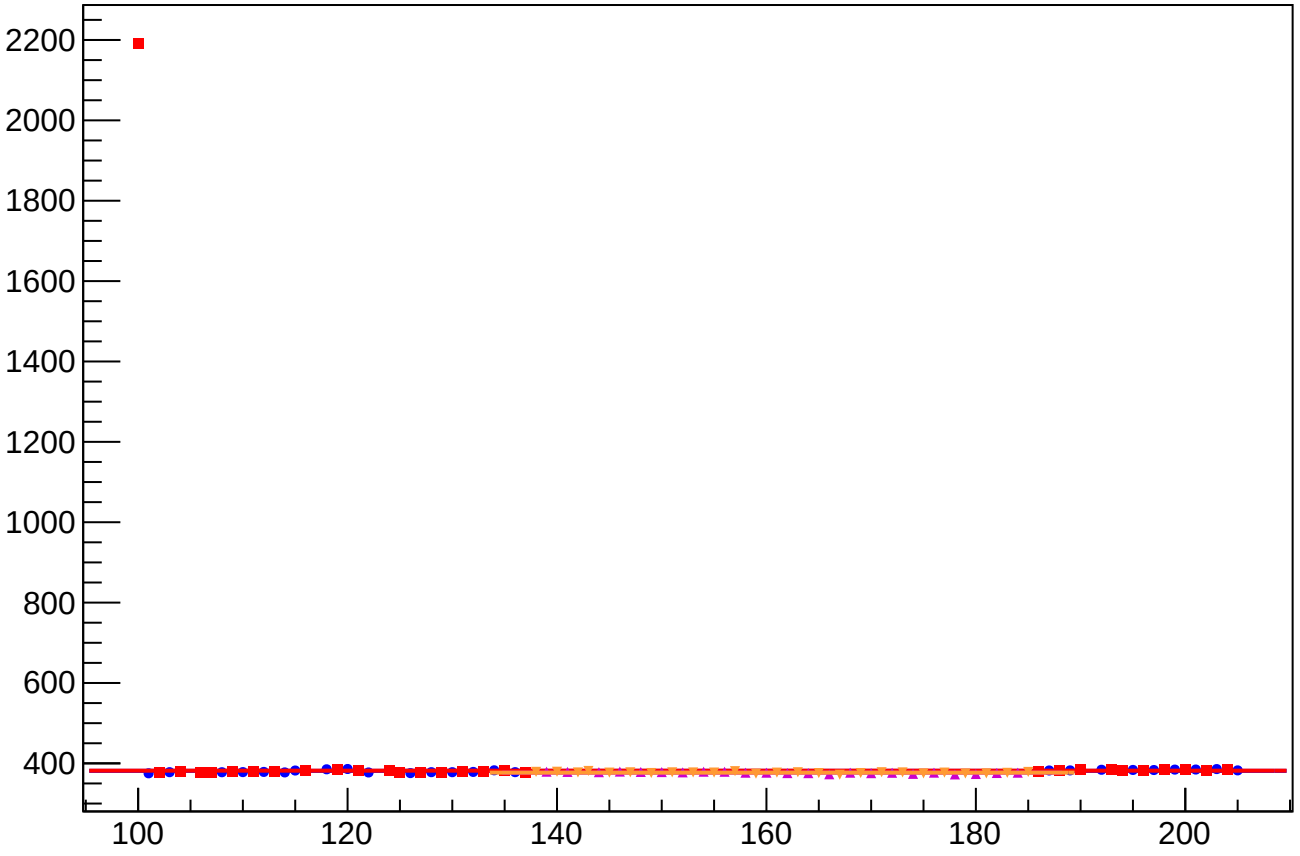
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -13.708+/-65.441 χ^2/NDF: 36.9/49

All: 28.173+/-46.283 χ^2/NDF: 81.7/101

- sign 70.089+/-65.468 χ^2/NDF: 44.1/51

asym_dsr_rms vs Slug



Right In: 381.298+/-0.072 χ^2/NDF: 2148.5/24

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.801+/-0.069 χ^2/NDF: 100619.1/28

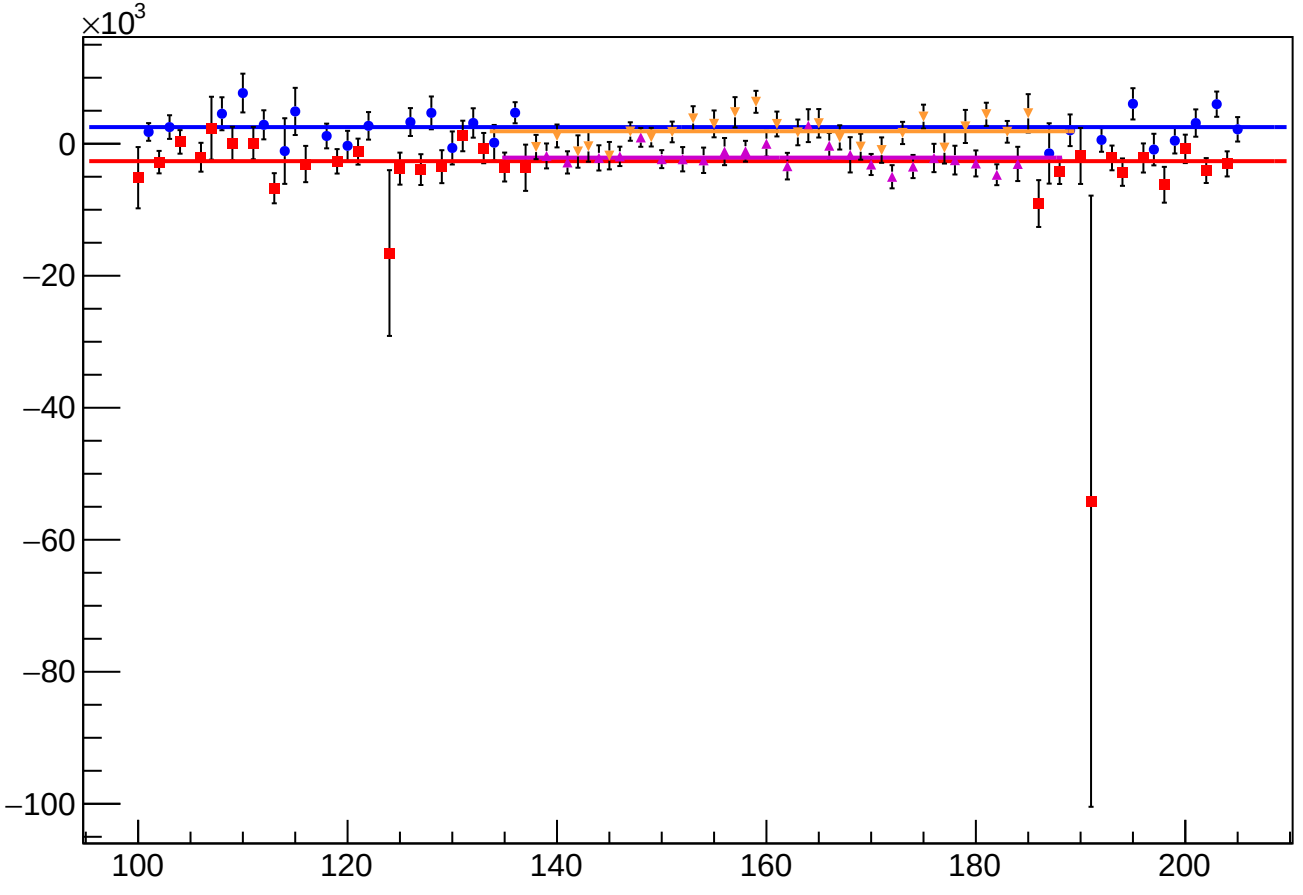
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.732+/-0.046 χ^2/NDF: 5395.2/49

All: 378.895+/-0.033 χ^2/NDF: 109944.4/101

- sign 379.058+/-0.046 χ^2/NDF: 104524.5/51

asym_us_agg_avg_mean vs Slug



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

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2638.819+/-431.144 χ^2/NDF: 24.9/29

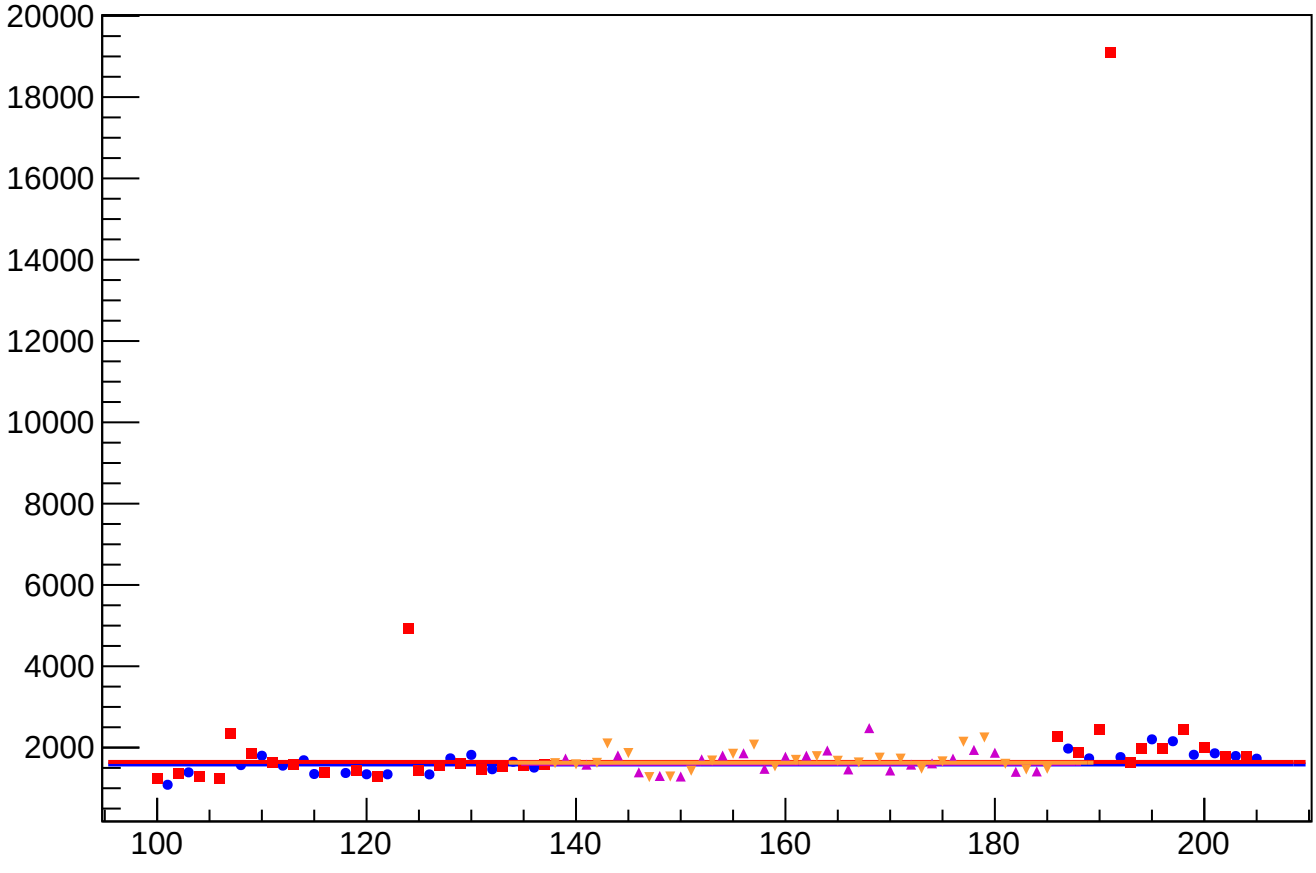
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2162.725+/-282.775 χ^2/NDF: 52.7/49

All: -72.549+/-200.621 χ^2/NDF: 222.8/102

- sign -2337.962+/-284.675 χ^2/NDF: 44.4/52

asym_us_agg_avg_rms vs Slug



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

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1646.973+/-0.305 χ^2/NDF: 1356180.5/29

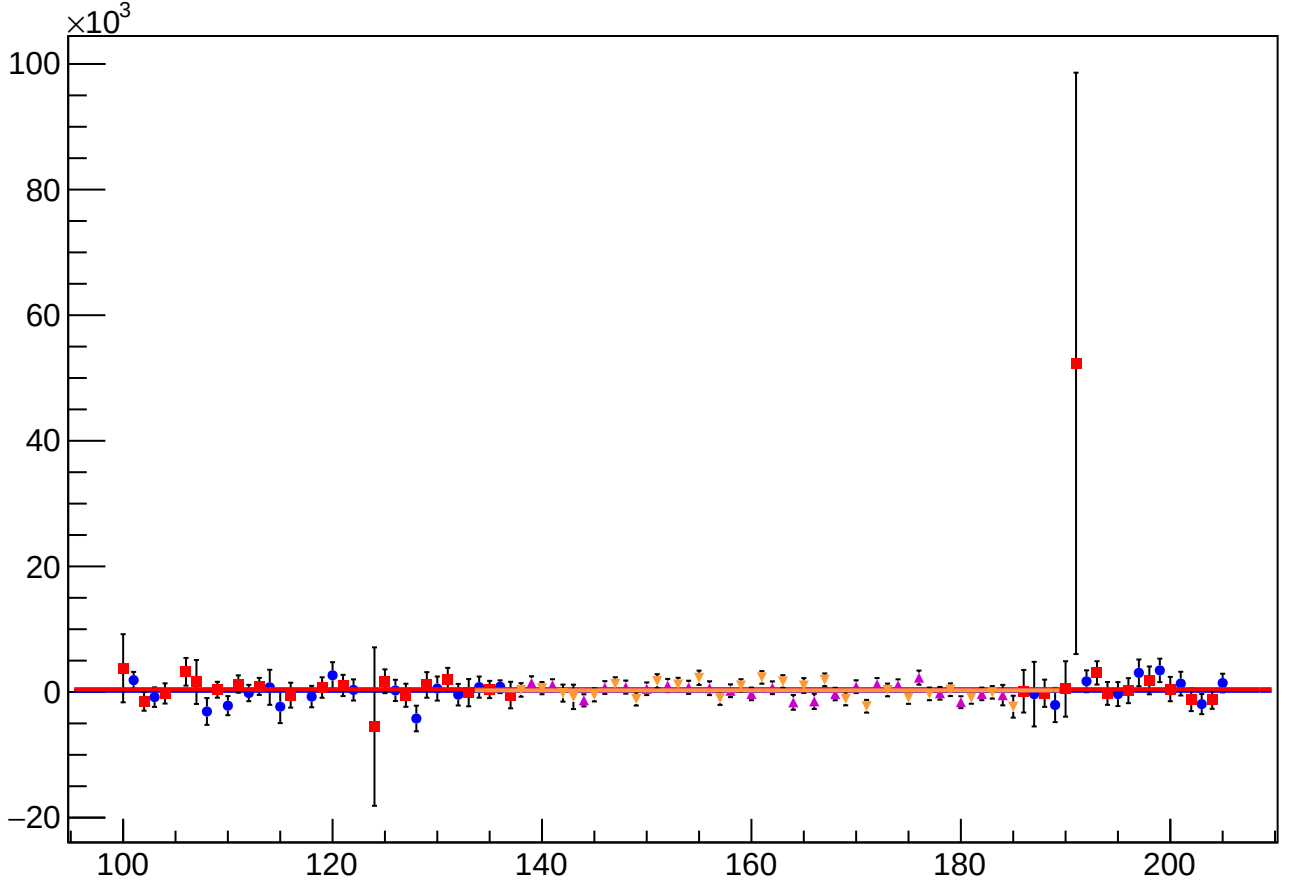
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1609.686+/-0.200 χ^2/NDF: 1644239.1/49

All: 1615.465+/-0.142 χ^2/NDF: 3808375.1/10

- sign 1621.323+/-0.201 χ^2/NDF: 2162453.8/52

asym_us_agg_dd_mean vs Slug



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

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 459.310+/-346.953 χ^2/NDF: 12.6/29

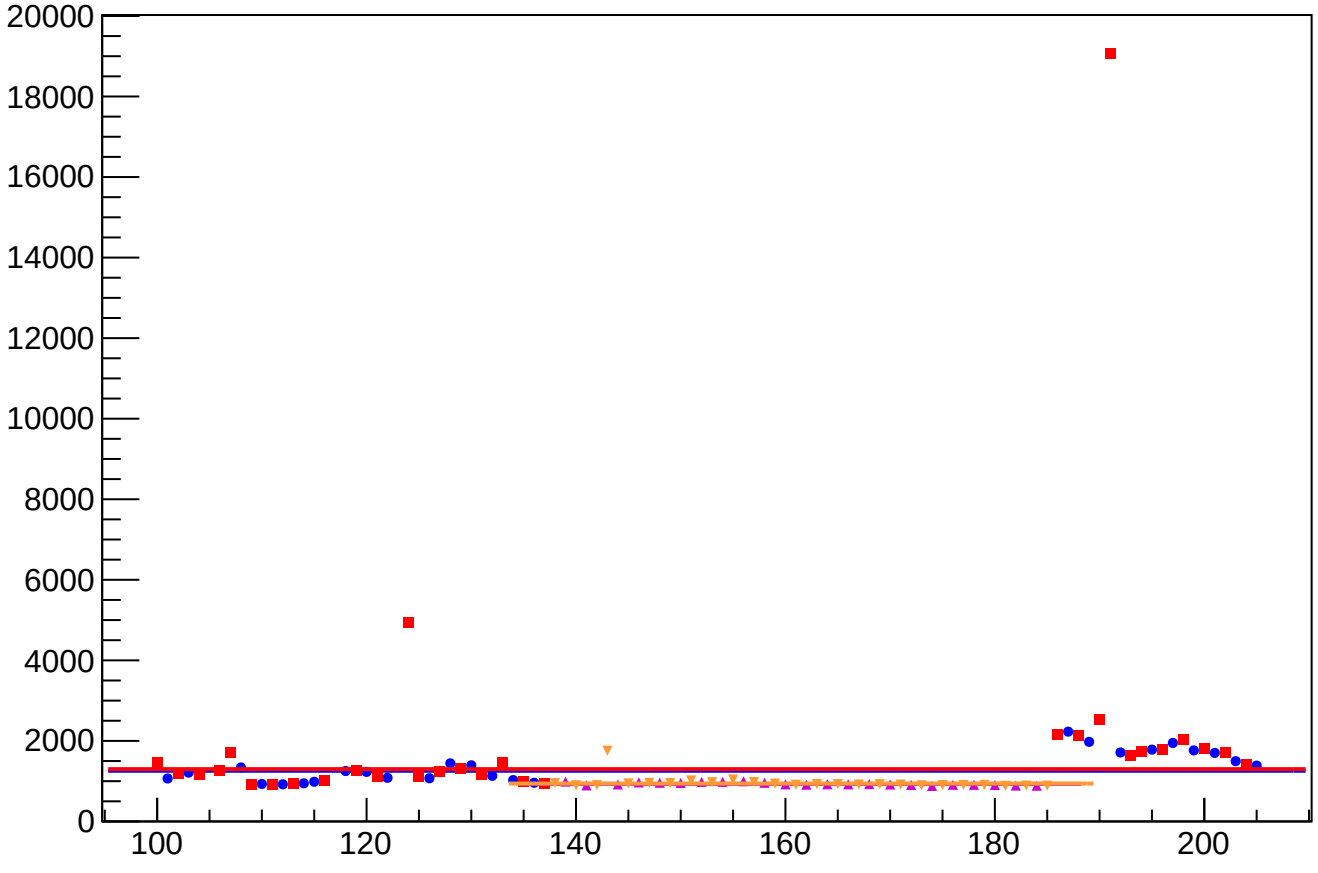
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 241.771+/-182.582 χ^2/NDF: 58.1/49

All: 281.174+/-129.741 χ^2/NDF: 92.4/102

- sign 321.363+/-184.396 χ^2/NDF: 34.2/52

asym_us_agg_dd_rms vs Slug



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

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1299.196+/-0.245 χ^2/NDF: 2619215.5/29

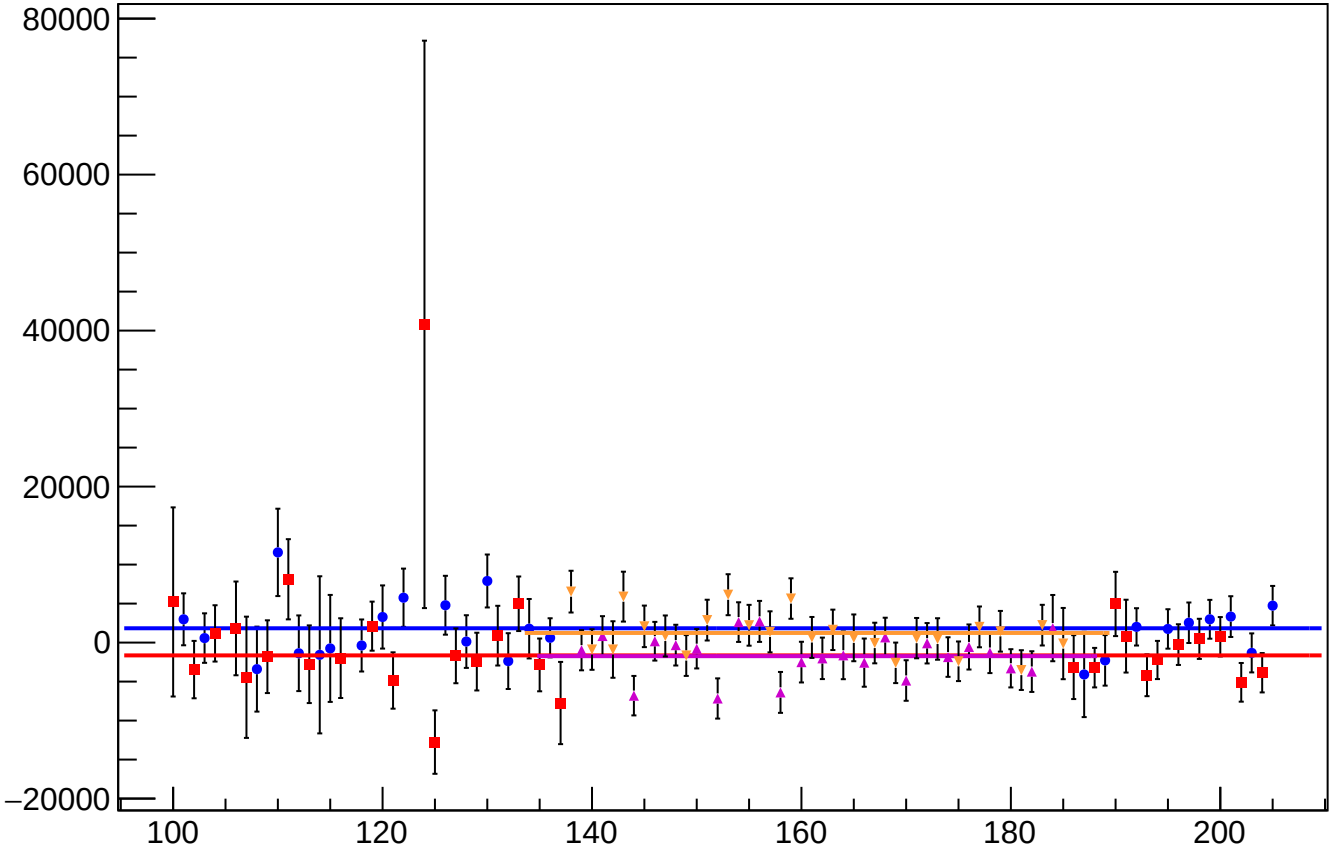
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

\+ sign 1029.523+/-0.129 χ^2/NDF: 3267648.1/49

All: 1032.435+/-0.092 χ^2/NDF: 7548062.9/10

\- sign 1035.405+/-0.130 χ^2/NDF: 4279387.4/52

reg_asym_atl1_mean vs Slug



Right In: 1835.102+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1642.380+/-641.412 χ^2/NDF: 30.8/29

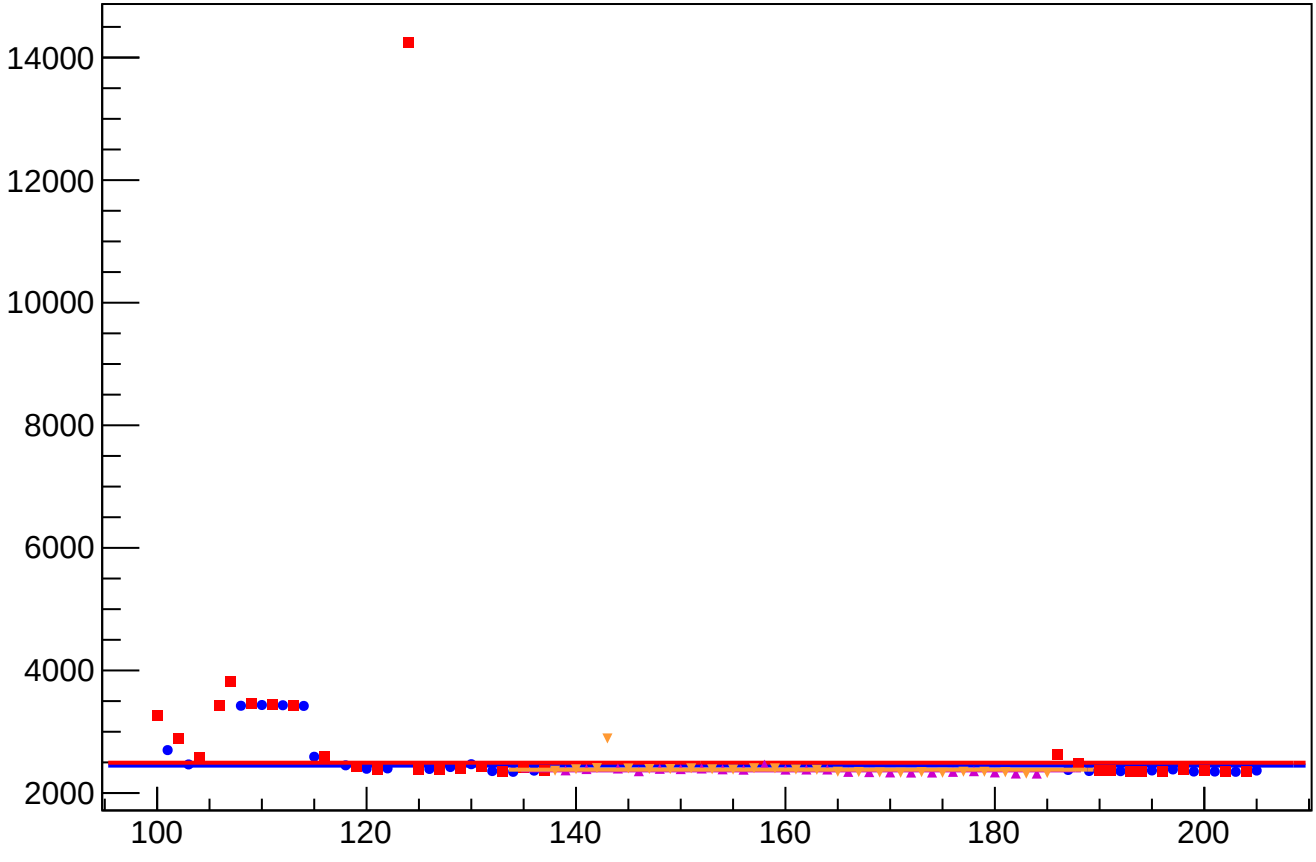
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1478.566+/-417.129 χ^2/NDF: 42.9/49

All: -103.510+/-295.593 χ^2/NDF: 127.0/102

- sign -1699.347+/-418.939 χ^2/NDF: 55.2/52

reg_asym_atl1_rms vs Slug



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2494.949+/-0.454 χ^2/NDF: 630517.2/29

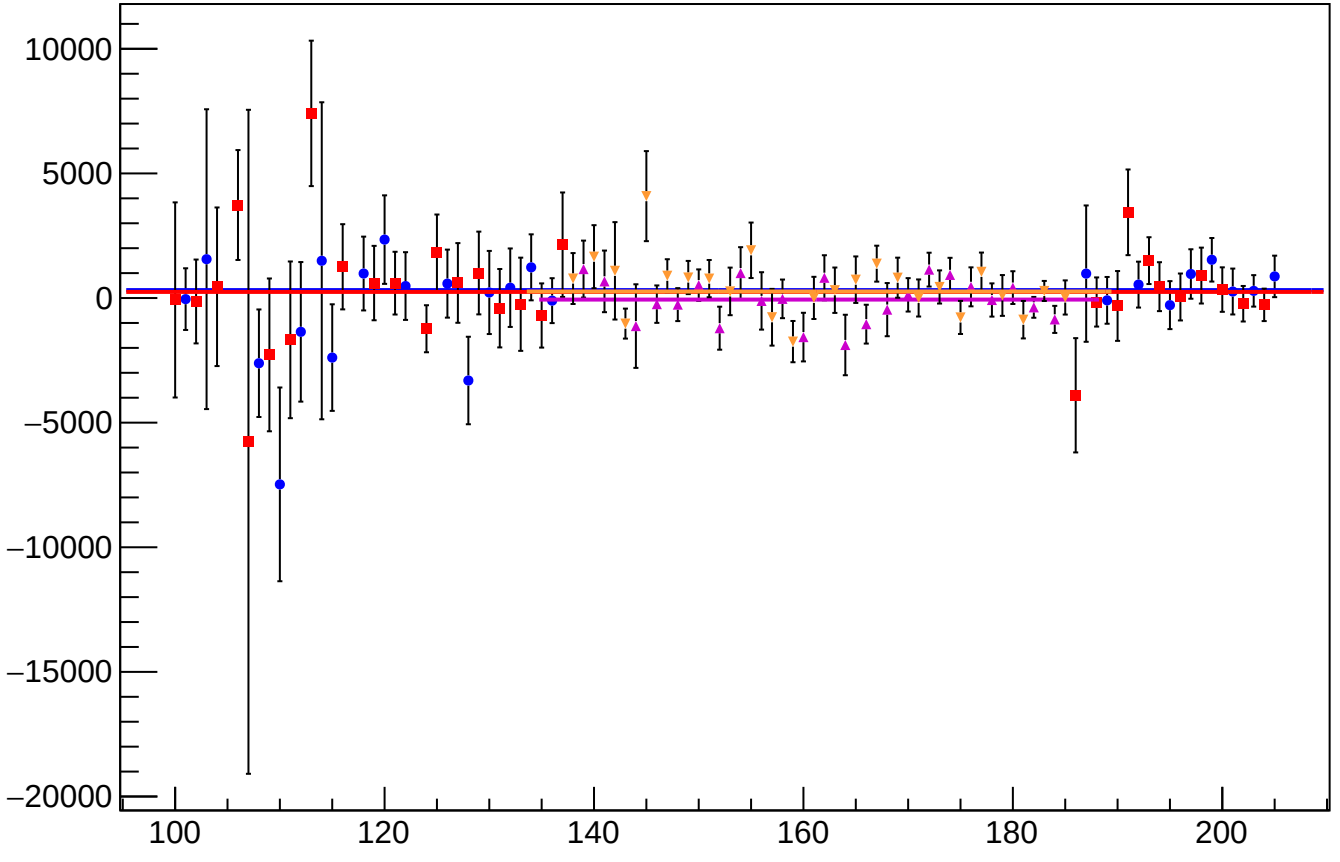
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2408.151+/-0.295 χ^2/NDF: 334986.5/49

All: 2415.519+/-0.209 χ^2/NDF: 1017739.6/10

- sign 2422.951+/-0.296 χ^2/NDF: 681499.7/52

asym_atl1_reg_correction_mean vs Slug



Right In: 318.666+/-242.128 χ^2/NDF: 18.0/24

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 245.844+/-235.440 χ^2/NDF: 26.0/29

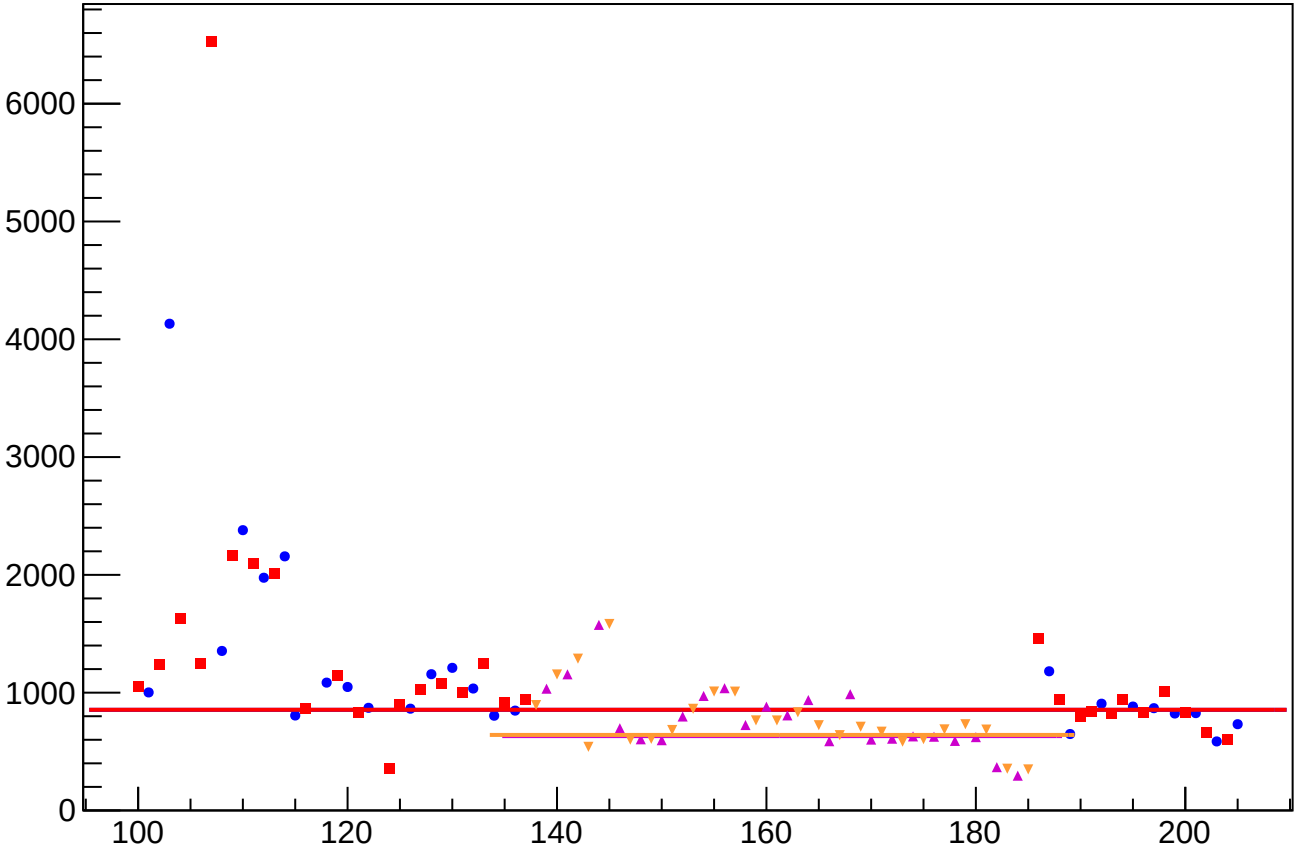
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 278.235+/-129.949 χ^2/NDF: 49.2/49

All: 156.518+/-92.204 χ^2/NDF: 100.2/102

\- sign 33.111+/-130.848 χ^2/NDF: 49.2/52

asym_atl1_reg_correction_rms vs Slug



Right In: 854.113+/-0.171 χ^2/NDF: 2237823.5/24

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 854.667+/-0.166 χ^2/NDF: 3122412.3/29

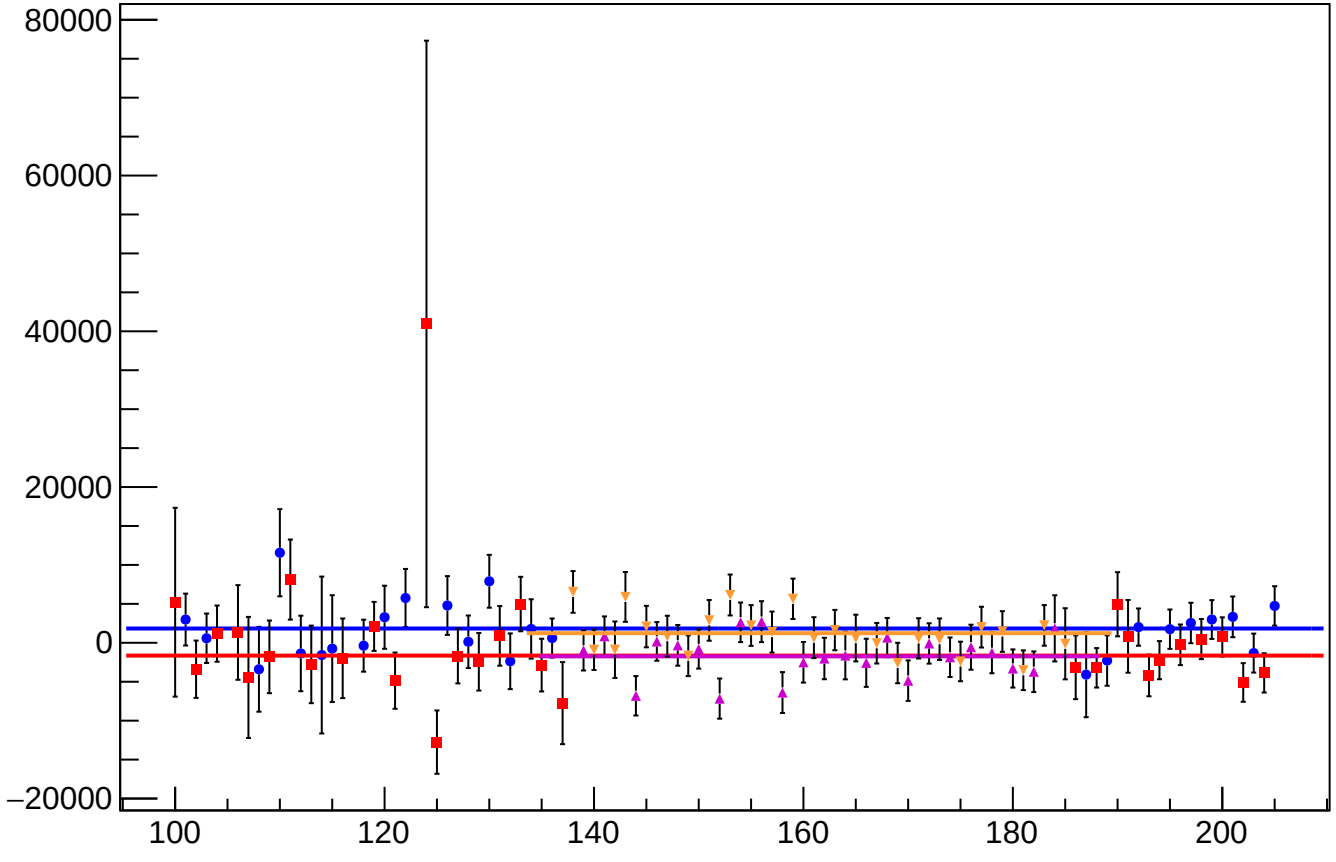
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 702.497+/-0.092 χ^2/NDF: 6814164.5/49

All: 701.367+/-0.065 χ^2/NDF: 15157582.8/10

- sign 700.221+/-0.093 χ^2/NDF: 8343113.6/52

cor_asym_atl1_mean vs Slug



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1646.542+/-641.495 χ^2/NDF: 30.7/29

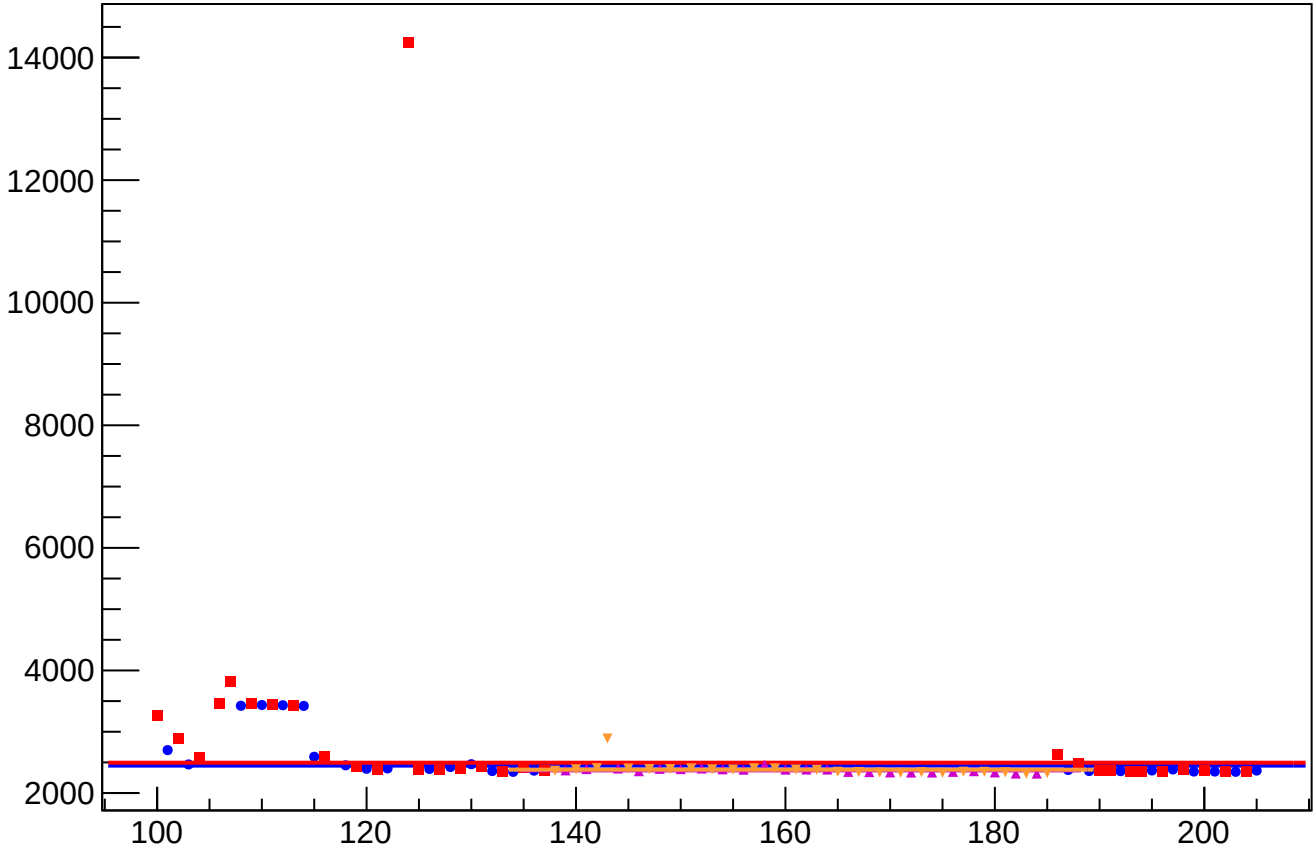
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1478.667+/-417.129 χ^2/NDF: 42.9/49

All: -104.274+/-295.601 χ^2/NDF: 126.9/102

- sign -1701.159+/-418.962 χ^2/NDF: 55.1/52

cor_asym_atl1_rms vs Slug



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

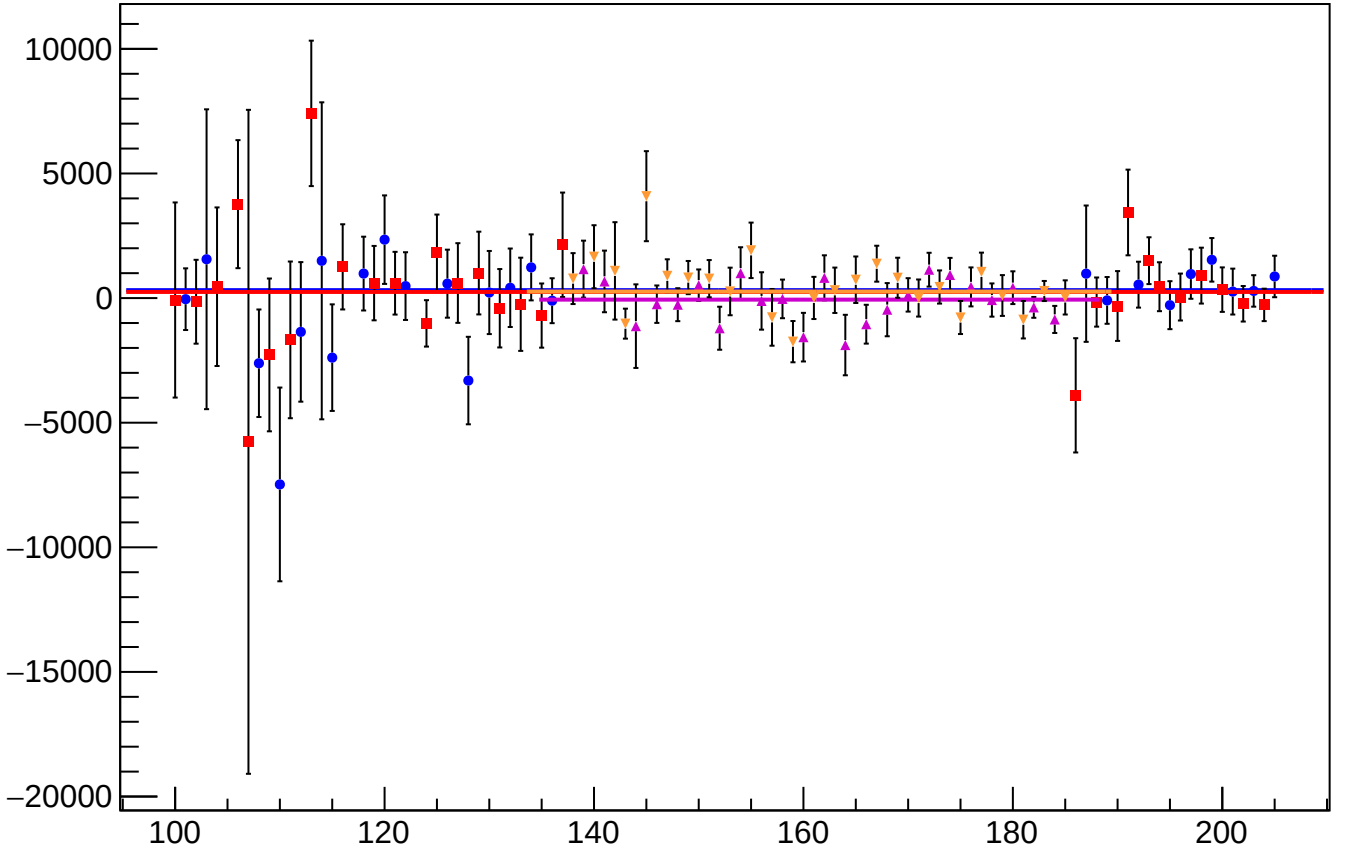
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2408.151+/-0.295 χ^2/NDF: 334986.5/49

All: 2415.556+/-0.209 χ^2/NDF: 1020782.5/10

- sign 2423.027+/-0.296 χ^2/NDF: 684529.7/52

asym_atl1_cor_correction_mean vs Slug



Right In: 318.561+/-242.127 χ^2/NDF: 18.0/24

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 246.876+/-235.599 χ^2/NDF: 24.8/29

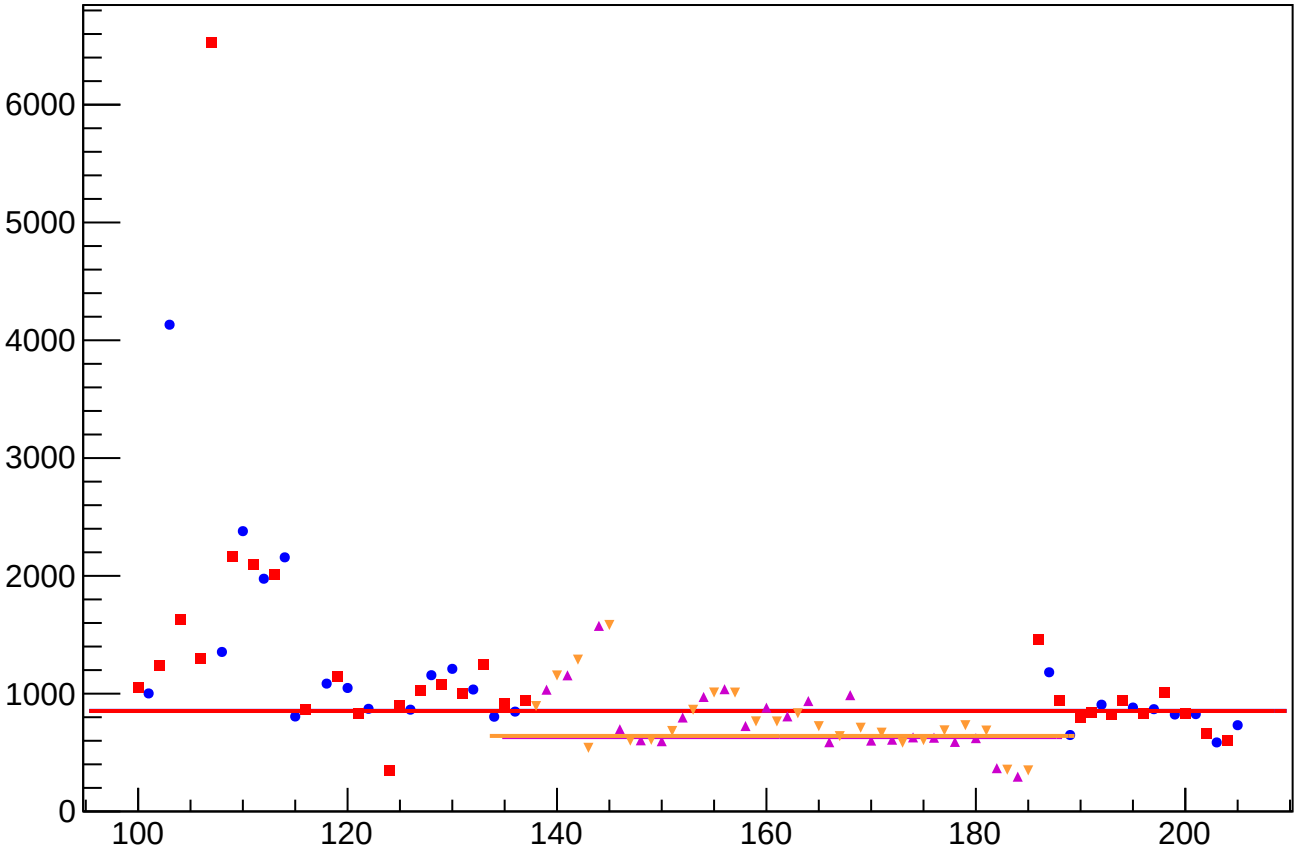
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 278.406+/-129.950 χ^2/NDF: 49.2/49

All: 156.737+/-92.214 χ^2/NDF: 98.9/102

- sign 33.329+/-130.875 χ^2/NDF: 48.0/52

asym_atl1_cor_correction_rms vs Slug



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

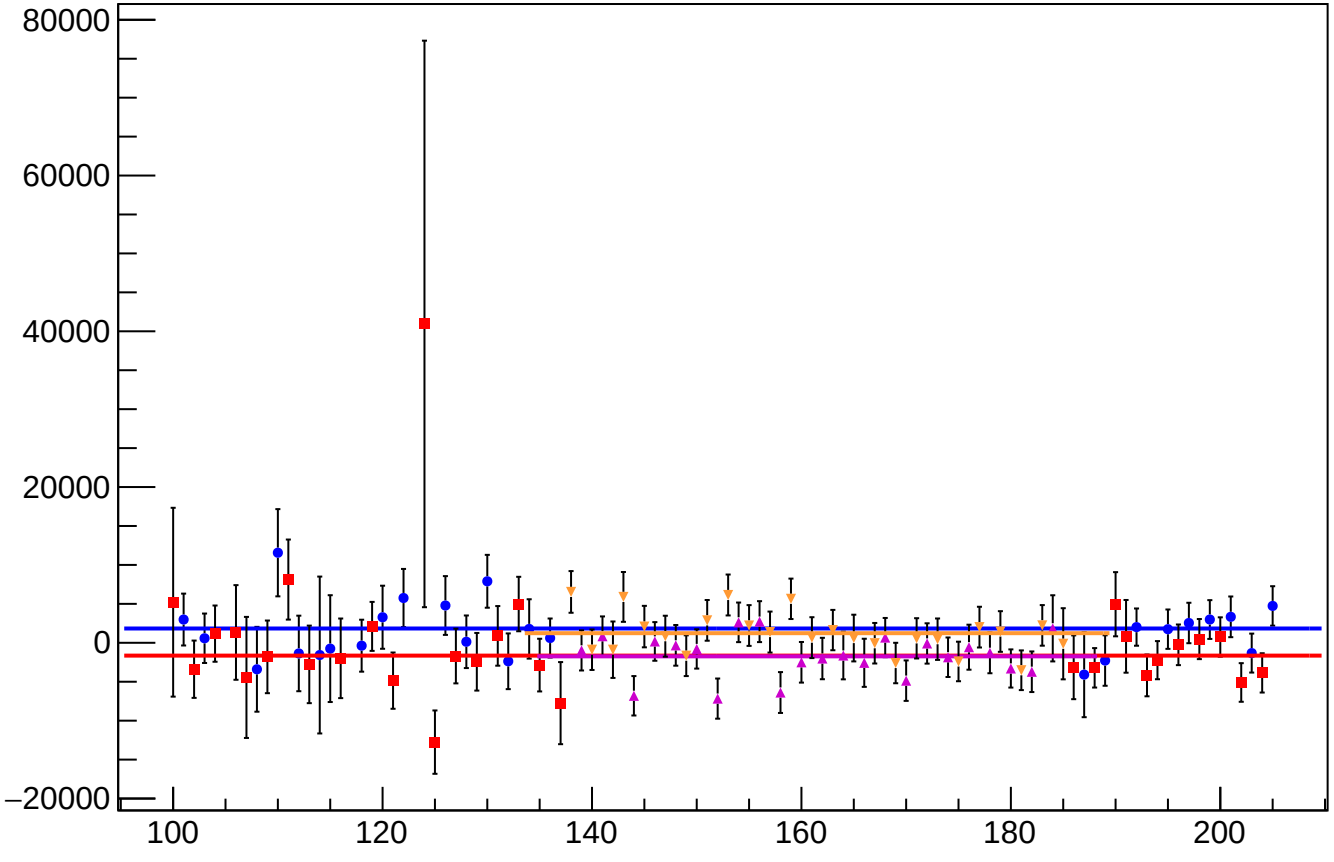
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 702.508+/-0.092 χ^2/NDF: 6813759.9/49

All: 701.049+/-0.065 χ^2/NDF: 15156220.3/10

- sign 699.569+/-0.093 χ^2/NDF: 8341952.7/52

eigen_cor_asym_atl1_mean vs Slug



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1646.542+/-641.495 χ^2/NDF: 30.7/29

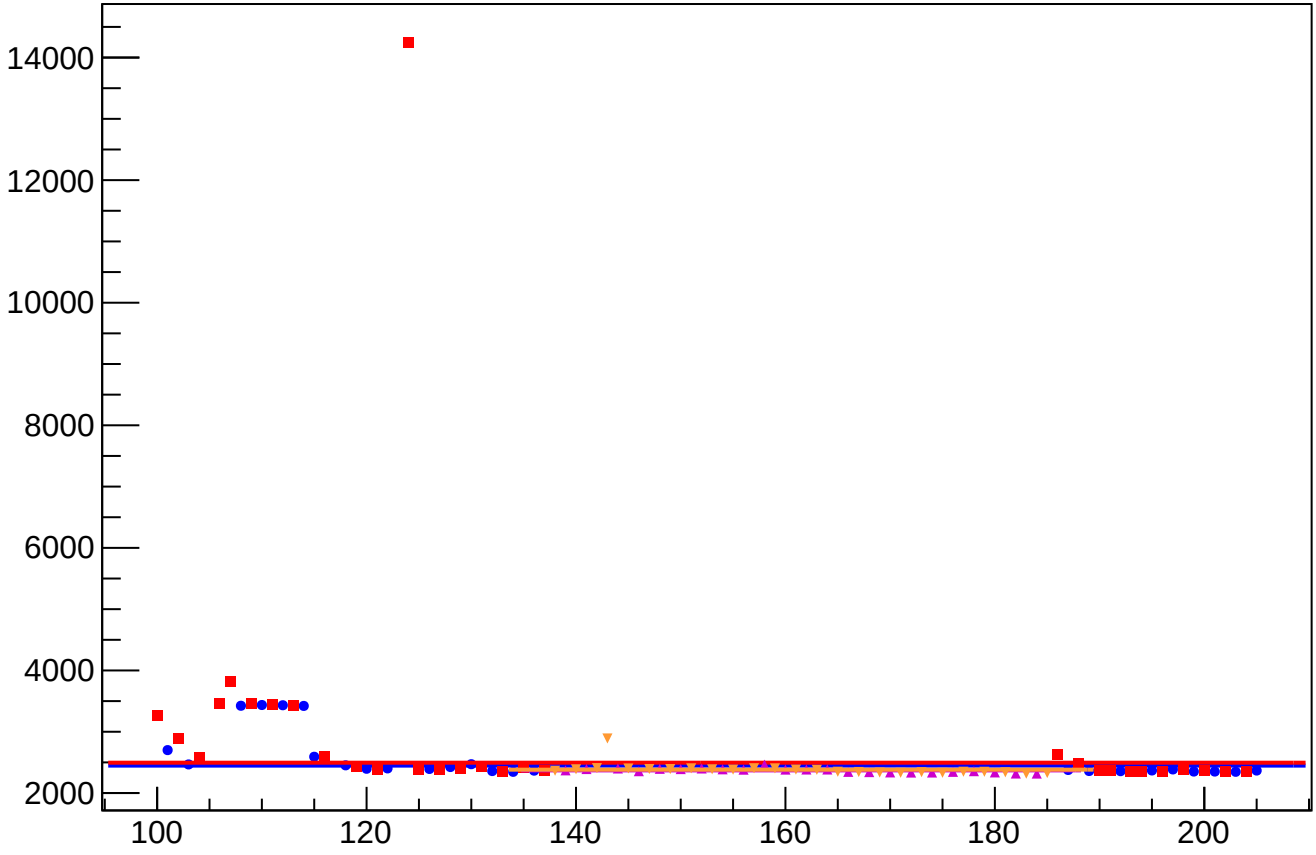
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1478.667+/-417.129 χ^2/NDF: 42.9/49

All: -104.274+/-295.601 χ^2/NDF: 126.9/102

- sign -1701.159+/-418.962 χ^2/NDF: 55.1/52

eigen_cor_asym_atl1_rms vs Slug



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

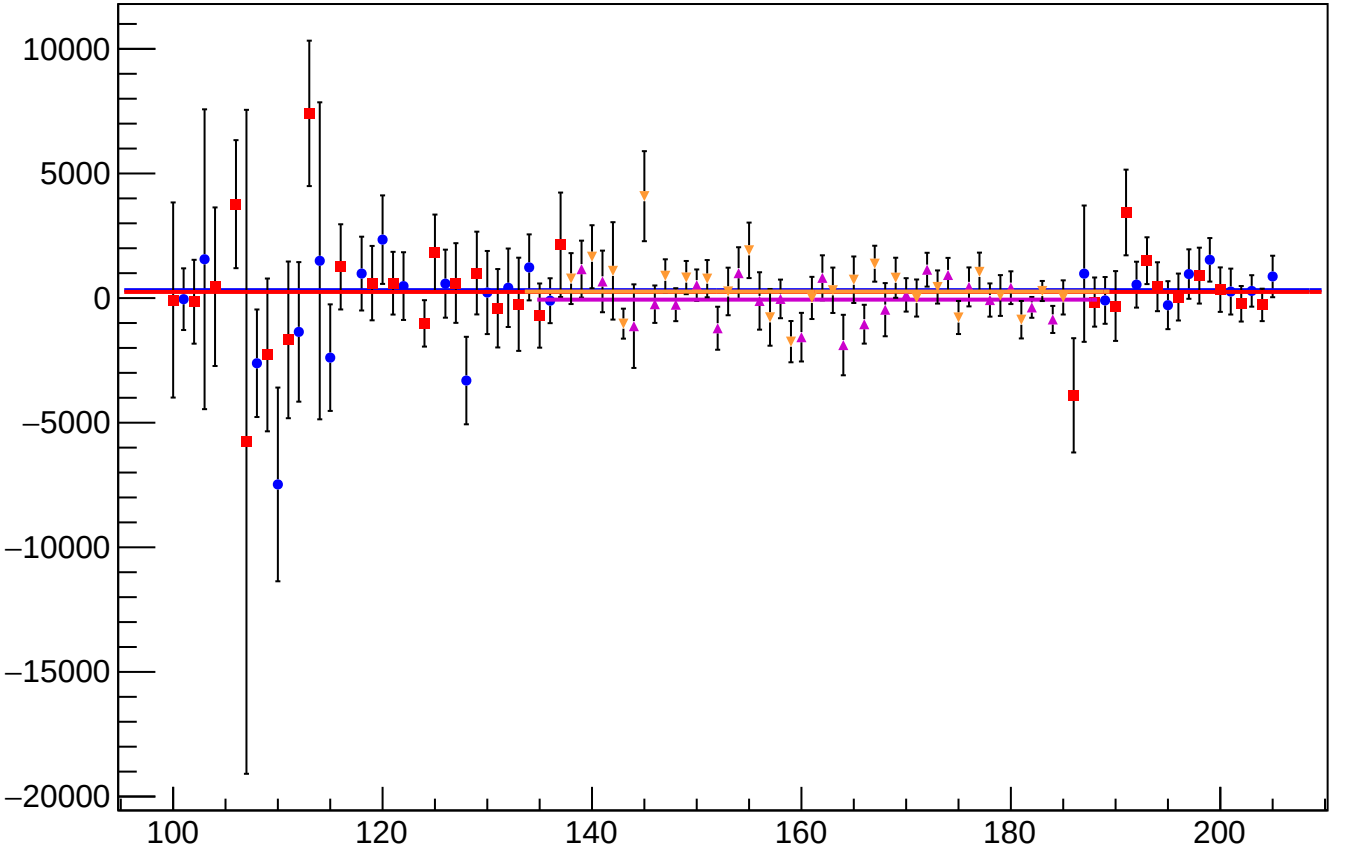
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2408.151+/-0.295 χ^2/NDF: 334986.5/49

All: 2415.556+/-0.209 χ^2/NDF: 1020782.5/10

- sign 2423.027+/-0.296 χ^2/NDF: 684529.7/52

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 318.561+/-242.127 χ^2/NDF: 18.0/24

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 246.876+/-235.599 χ^2/NDF: 24.8/29

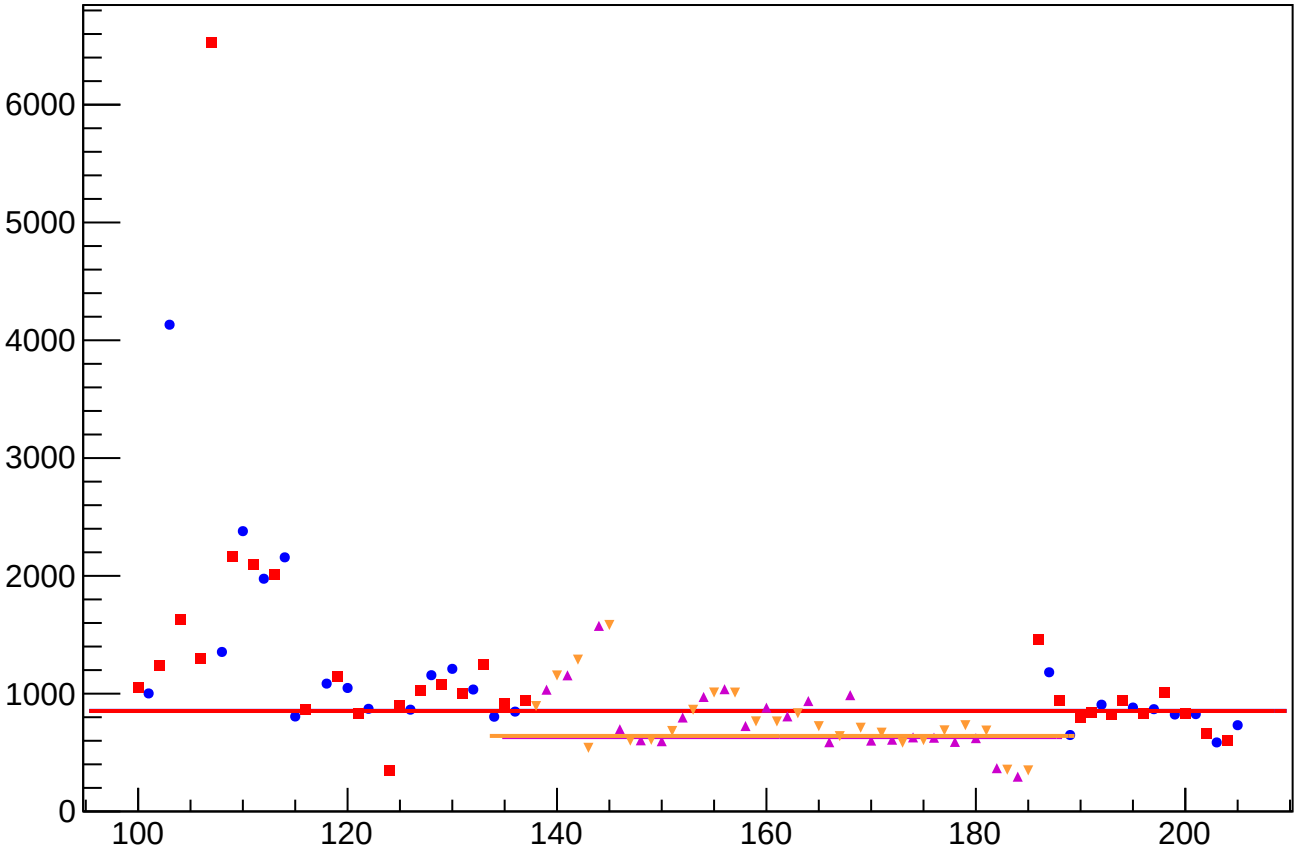
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 278.406+/-129.950 χ^2/NDF: 49.2/49

All: 156.737+/-92.214 χ^2/NDF: 98.9/102

- sign 33.329+/-130.875 χ^2/NDF: 48.0/52

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

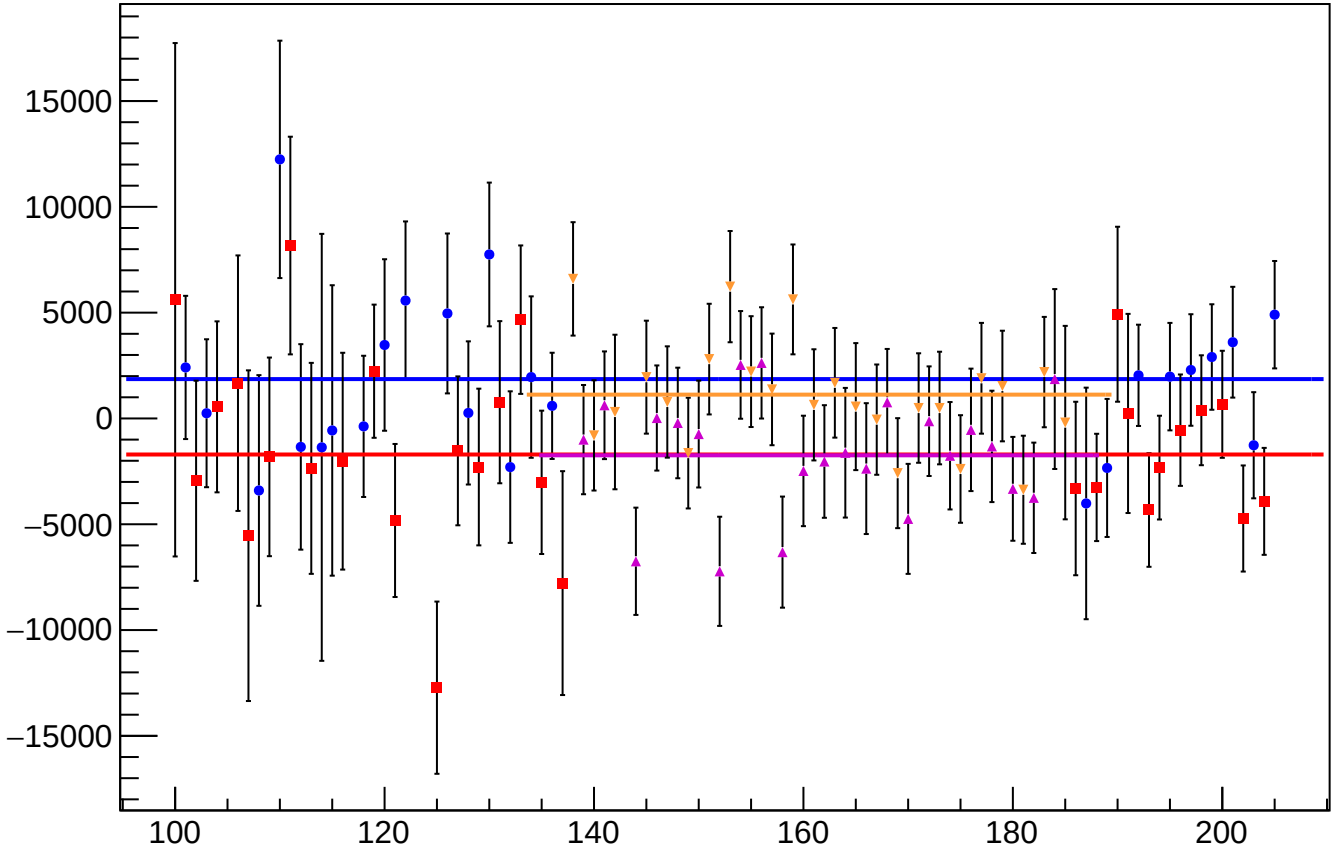
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 702.508+/-0.092 χ^2/NDF: 6813759.9/49

All: 701.049+/-0.065 χ^2/NDF: 15156220.3/10

- sign 699.569+/-0.093 χ^2/NDF: 8341952.7/52

dit_asym_atl1_mean vs Slug



Right In: 1859.943+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1703.622+/-649.499 χ^2/NDF: 28.1/28

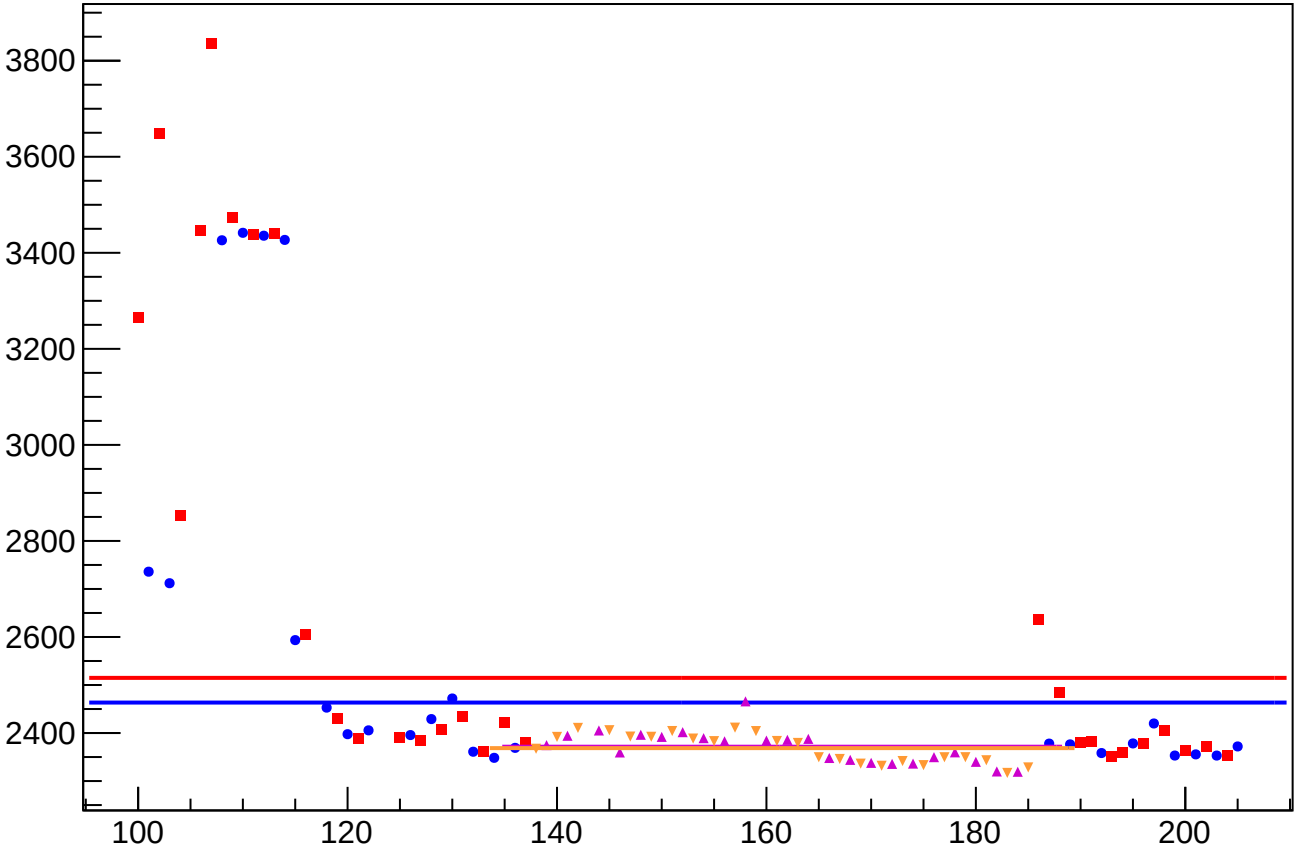
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1426.927+/-422.204 χ^2/NDF: 40.8/48

All: -152.595+/-298.255 χ^2/NDF: 120.5/100

- sign -1726.022+/-421.389 χ^2/NDF: 51.9/51

dit_asym_atl1_rms vs Slug



Right In: 2463.444+/-0.466 χ^2/NDF: 275965.0/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528679.0/28

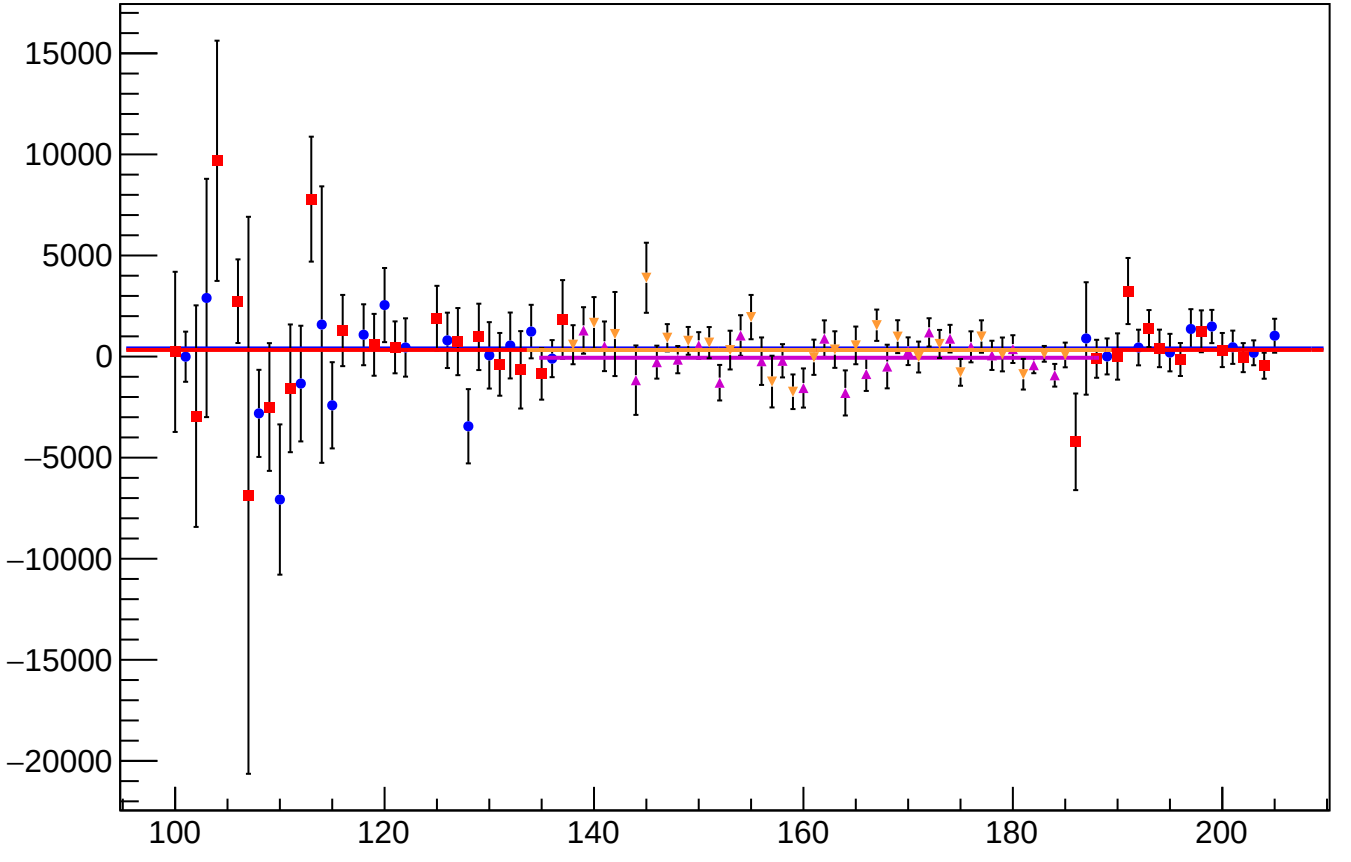
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.502+/-0.299 χ^2/NDF: 305973.0/48

All: 2419.699+/-0.211 χ^2/NDF: 901434.7/100

- sign 2431.849+/-0.298 χ^2/NDF: 592130.1/51

asym_atl1_dit_correction_mean vs Slug



Right In: 402.529+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 328.278+/-237.651 χ^2/NDF: 26.2/28

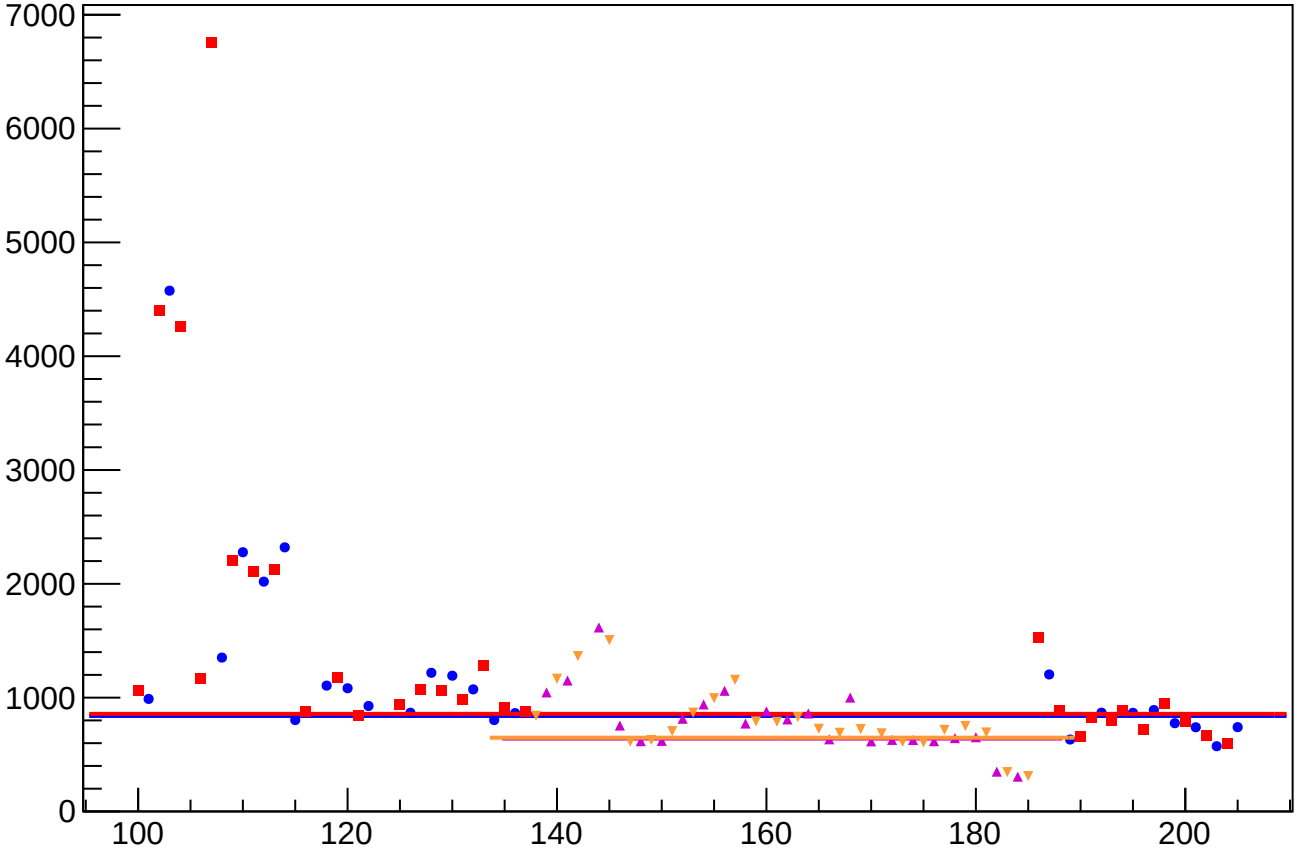
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 349.919+/-132.656 χ^2/NDF: 46.0/48

All: 205.338+/-93.759 χ^2/NDF: 99.1/100

- sign 61.022+/-132.534 χ^2/NDF: 50.7/51

asym_atl1_dit_correction_rms vs Slug



Right In: 839.200+/-0.168 χ^2/NDF: 2602637.3/24

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

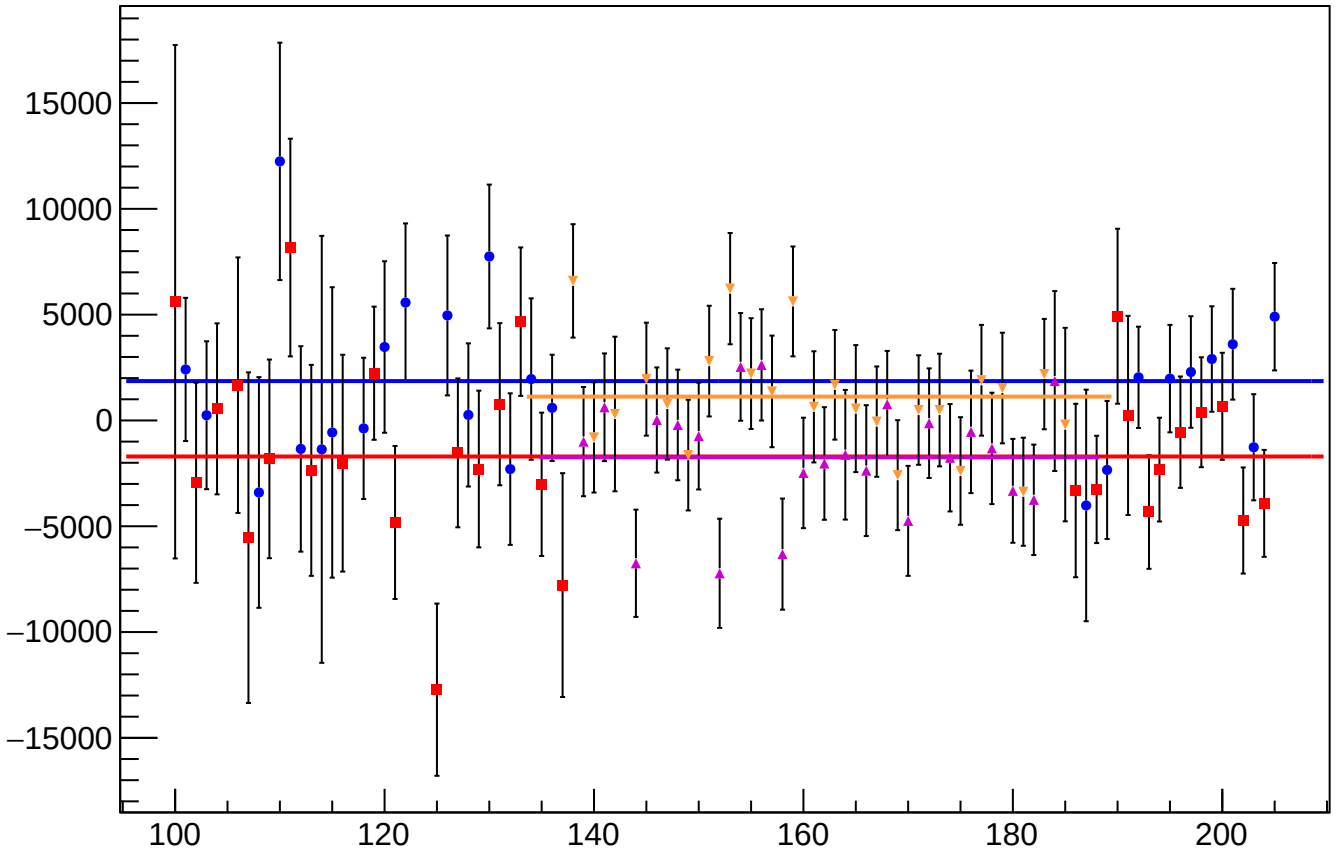
Right Out: 857.493+/-0.168 χ^2/NDF: 3982945.1/28

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 707.905+/-0.094 χ^2/NDF: 7382033.5/48

All: 707.920+/-0.066 χ^2/NDF: 16643398.0/10

- sign 707.934+/-0.094 χ^2/NDF: 9261364.4/51



Right In: 1859.942+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1703.620+/-649.499 χ^2/NDF: 28.1/28

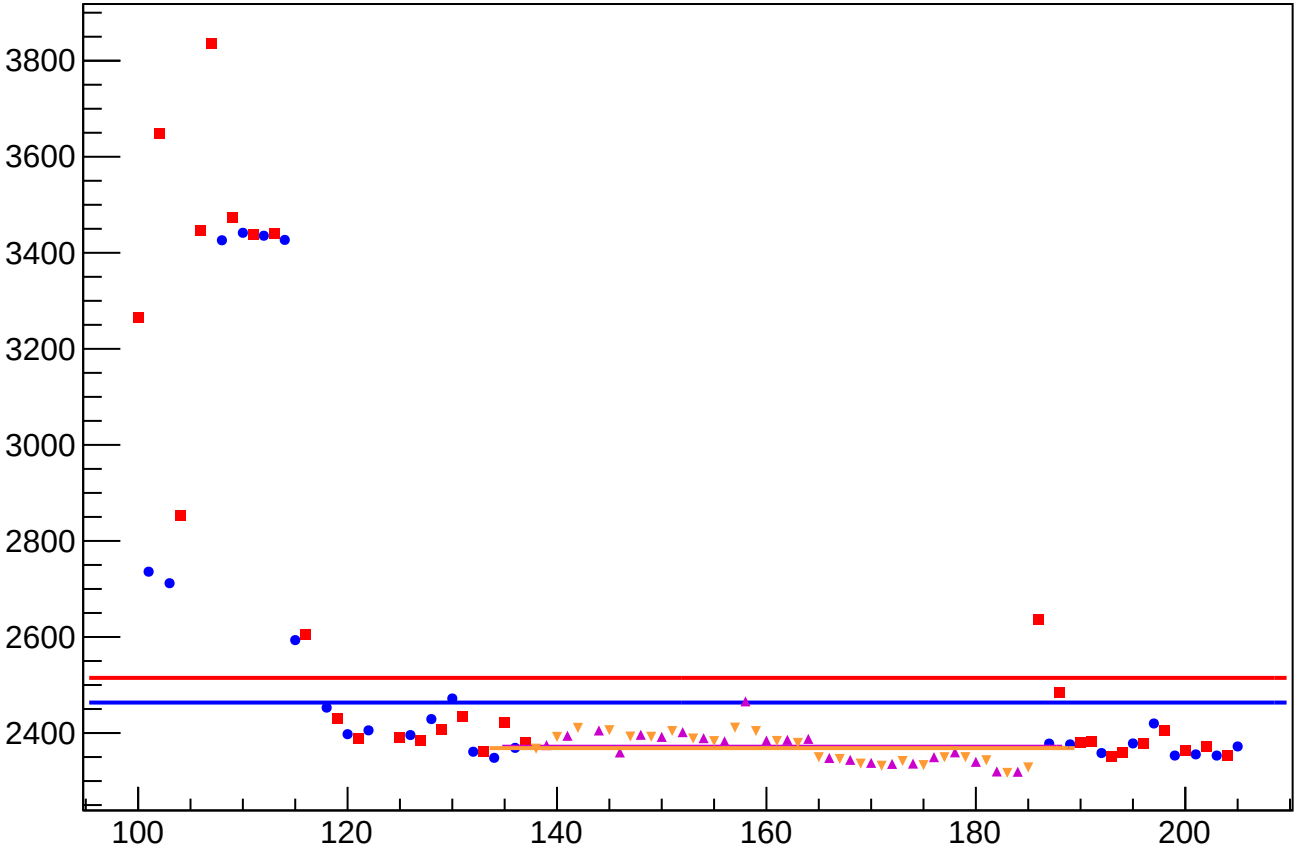
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1426.927+/-422.204 χ^2/NDF: 40.8/48

All: -152.595+/-298.255 χ^2/NDF: 120.5/100

- sign -1726.021+/-421.389 χ^2/NDF: 51.9/51

eigen_dit_asym_atl1_rms vs Slug



Right In: 2463.444+/-0.466 χ^2/NDF: 275964.6/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528678.2/28

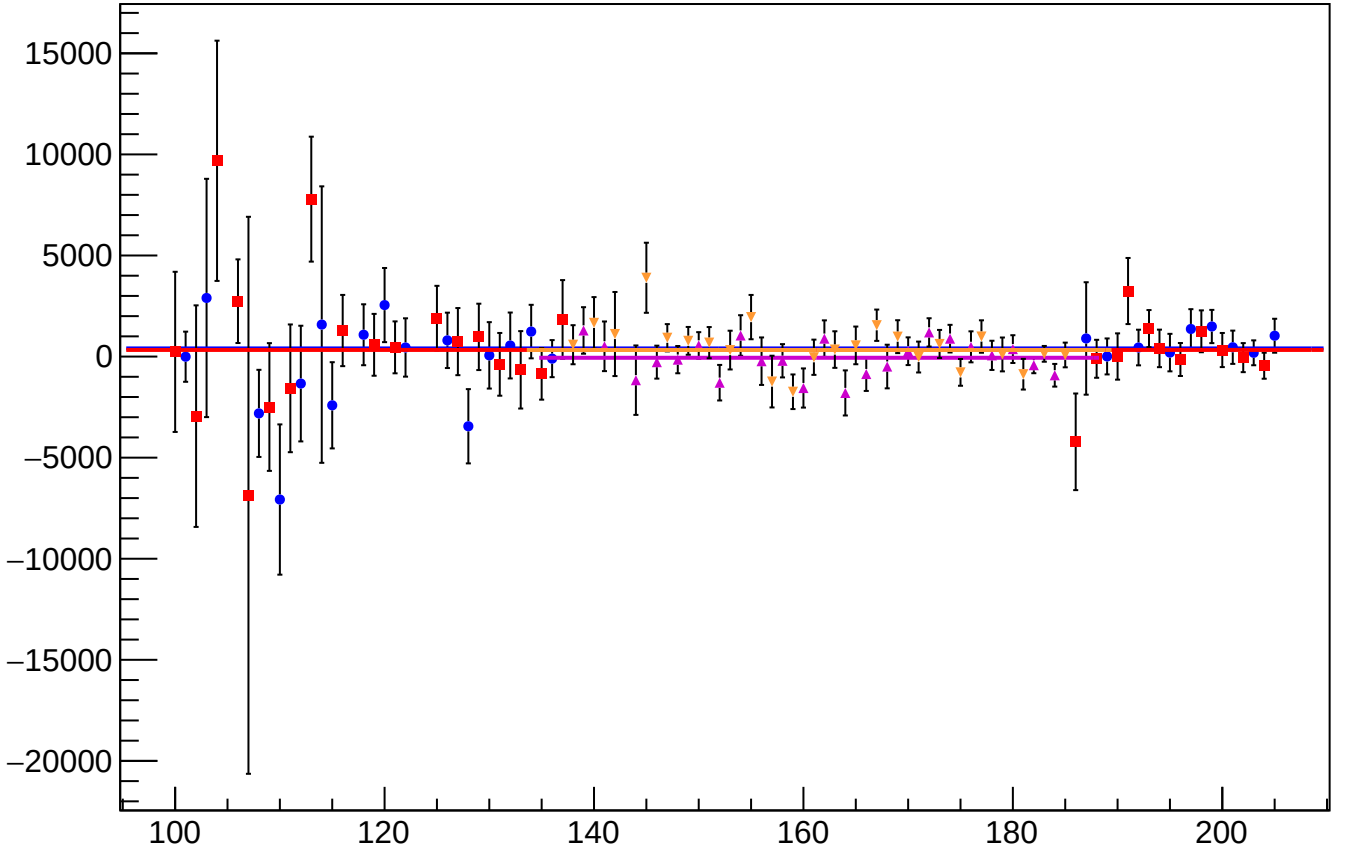
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.502+/-0.299 χ^2/NDF: 305972.5/48

All: 2419.699+/-0.211 χ^2/NDF: 901433.2/100

- sign 2431.849+/-0.298 χ^2/NDF: 592129.1/51

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 402.528+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 328.279+/-237.651 χ^2/NDF: 26.2/28

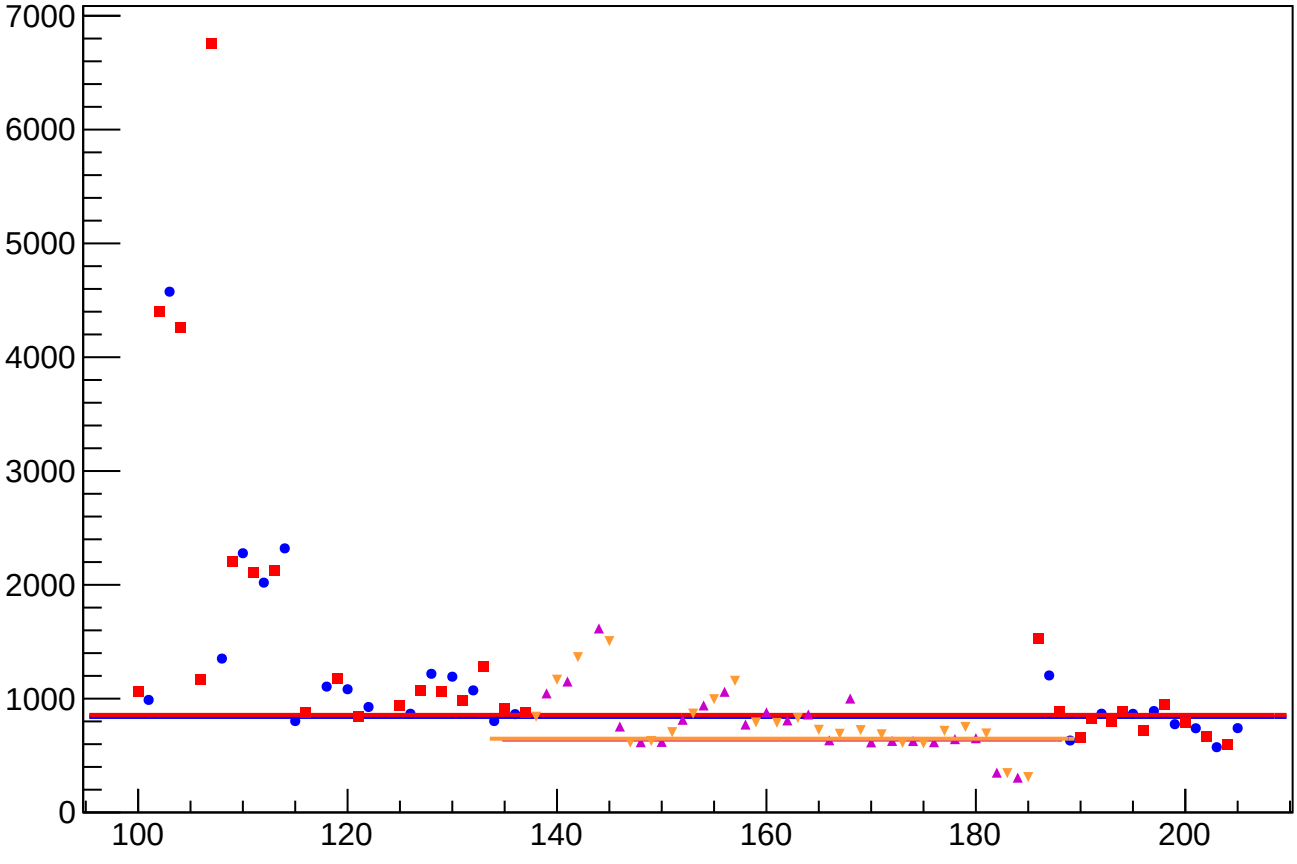
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 349.919+/-132.656 χ^2/NDF: 46.0/48

All: 205.338+/-93.759 χ^2/NDF: 99.1/100

- sign 61.022+/-132.534 χ^2/NDF: 50.7/51

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 839.199+/-0.168 χ^2/NDF: 2602636.6/24

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 857.493+/-0.168 χ^2/NDF: 3982944.7/28

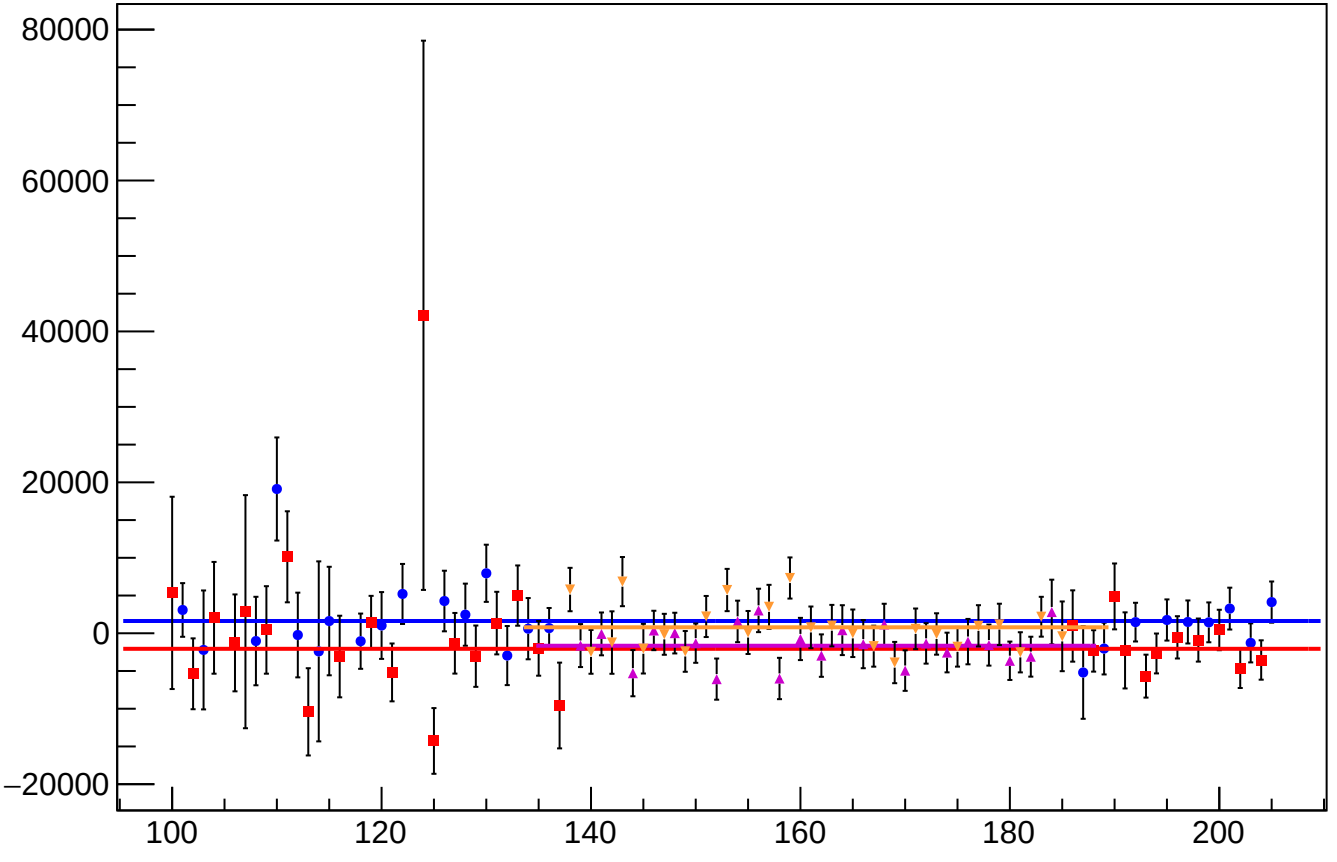
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 707.906+/-0.094 χ^2/NDF: 7382030.7/48

All: 707.920+/-0.066 χ^2/NDF: 16643397.3/10

- sign 707.934+/-0.094 χ^2/NDF: 9261366.6/51

asym_atl1_mean vs Slug



Right In: 1625.774+/-720.112 χ^2/NDF: 18.4/24

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -2060.363+/-708.135 χ^2/NDF: 31.6/29

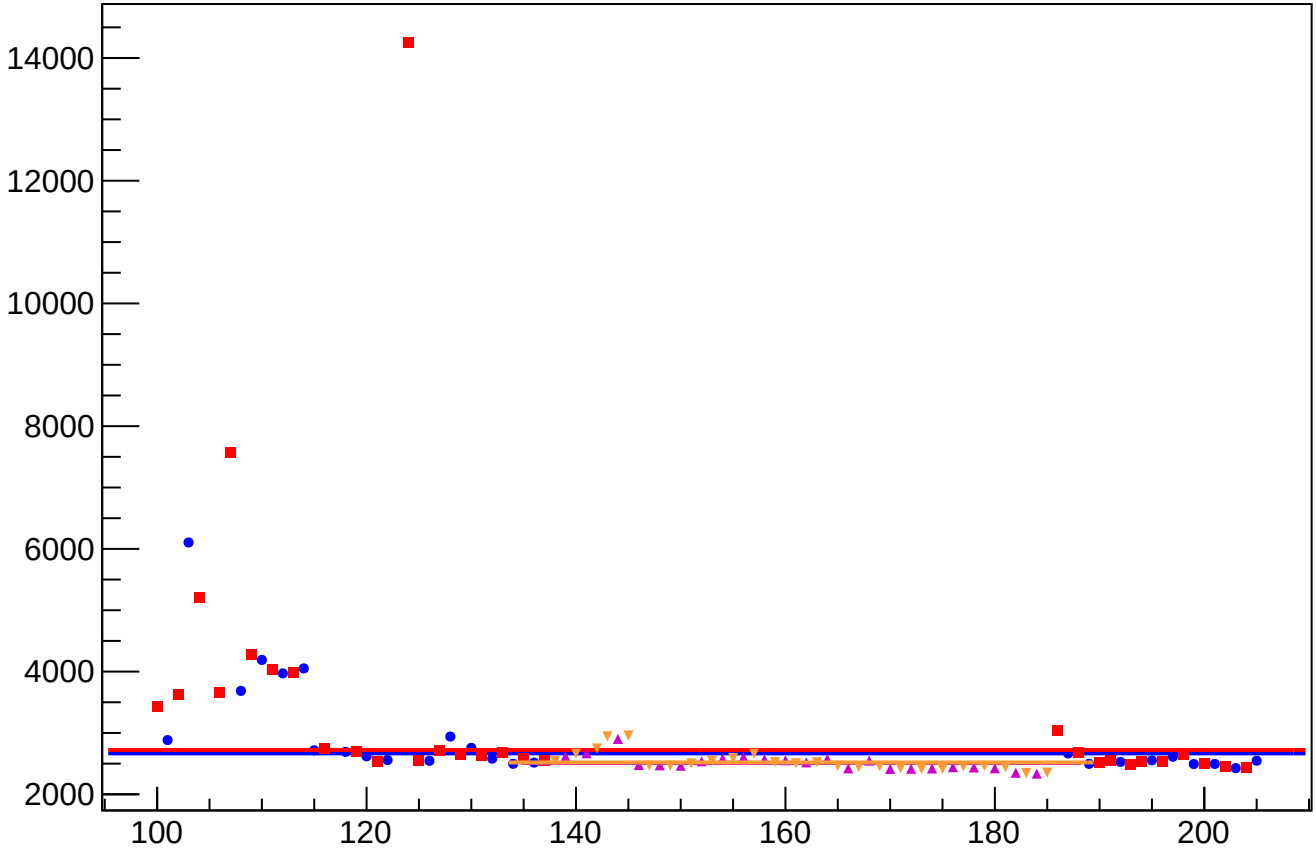
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1115.083+/-448.502 χ^2/NDF: 46.4/49

All: -341.558+/-318.304 χ^2/NDF: 116.7/102

- sign -1819.797+/-451.815 χ^2/NDF: 49.1/52

asym_atl1_rms vs Slug



Right In: 2667.239+/-0.509 χ^2/NDF: 759561.3/24

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2723.214+/-0.501 χ^2/NDF: 1203598.3/29

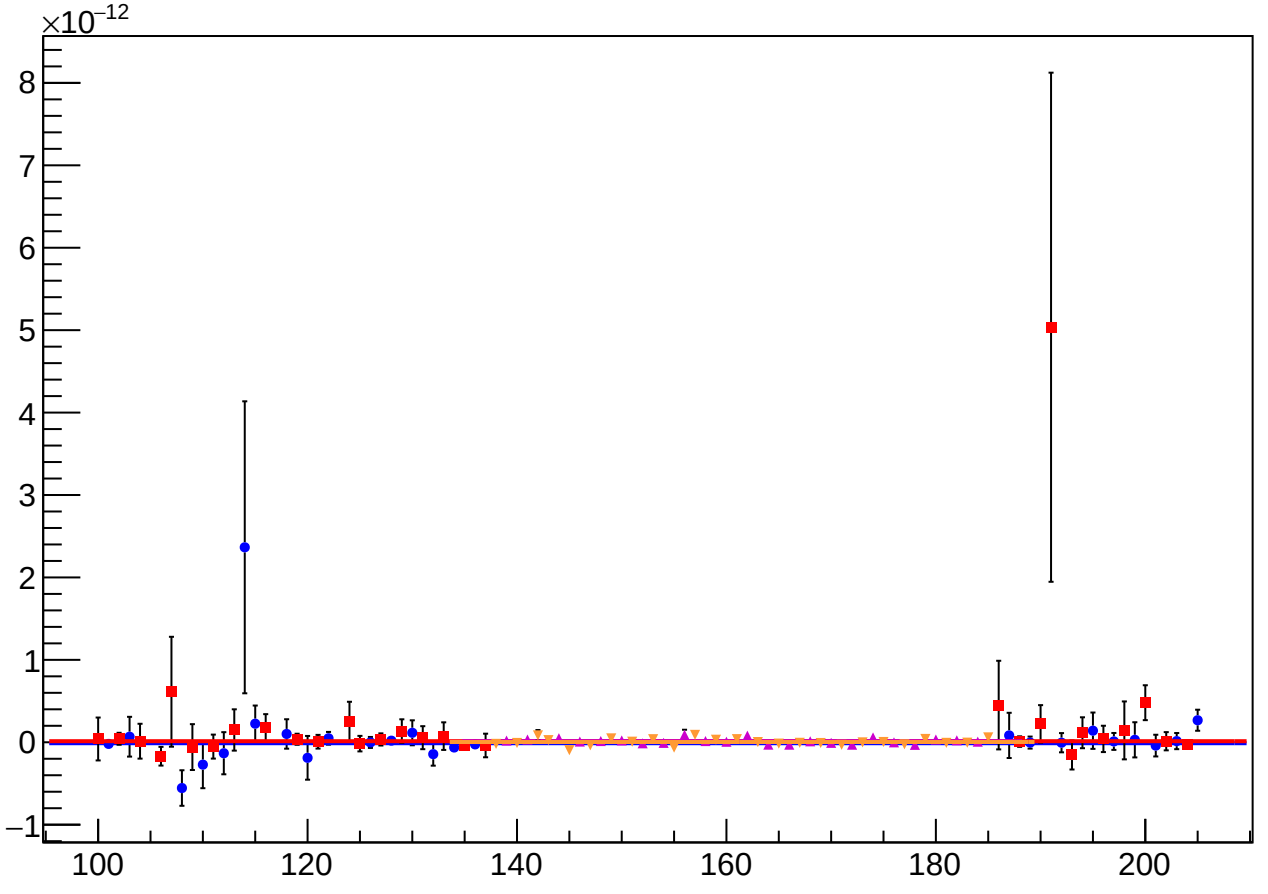
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2576.819+/-0.317 χ^2/NDF: 926281.9/49

All: 2586.780+/-0.225 χ^2/NDF: 2312984.7/10

- sign 2596.889+/-0.319 χ^2/NDF: 1384714.9/52

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

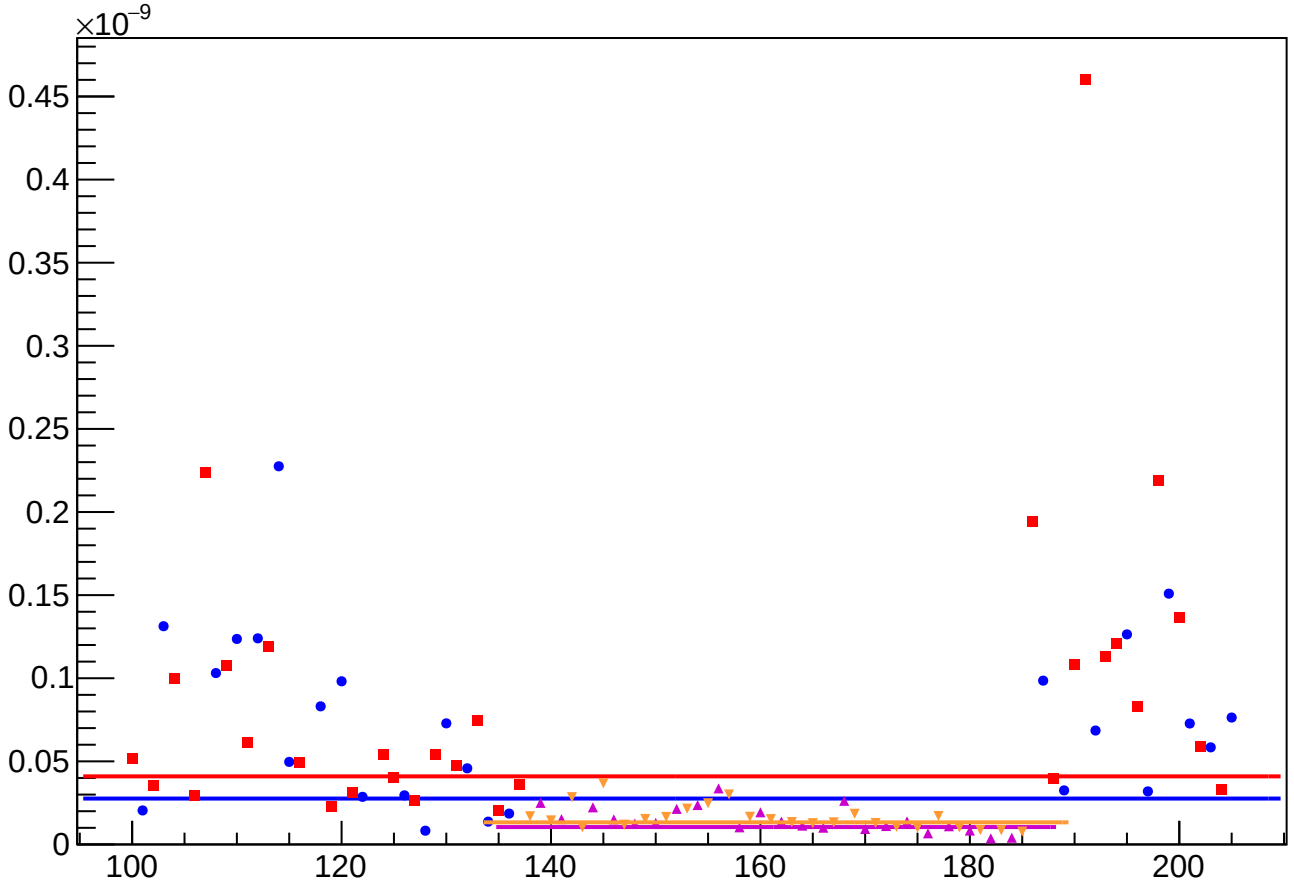
Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/29

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/49

All: 0.000+/-0.000 χ^2/NDF: 104.8/102

- sign 0.000+/-0.000 χ^2/NDF: 51.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4739553.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3588343.8/29

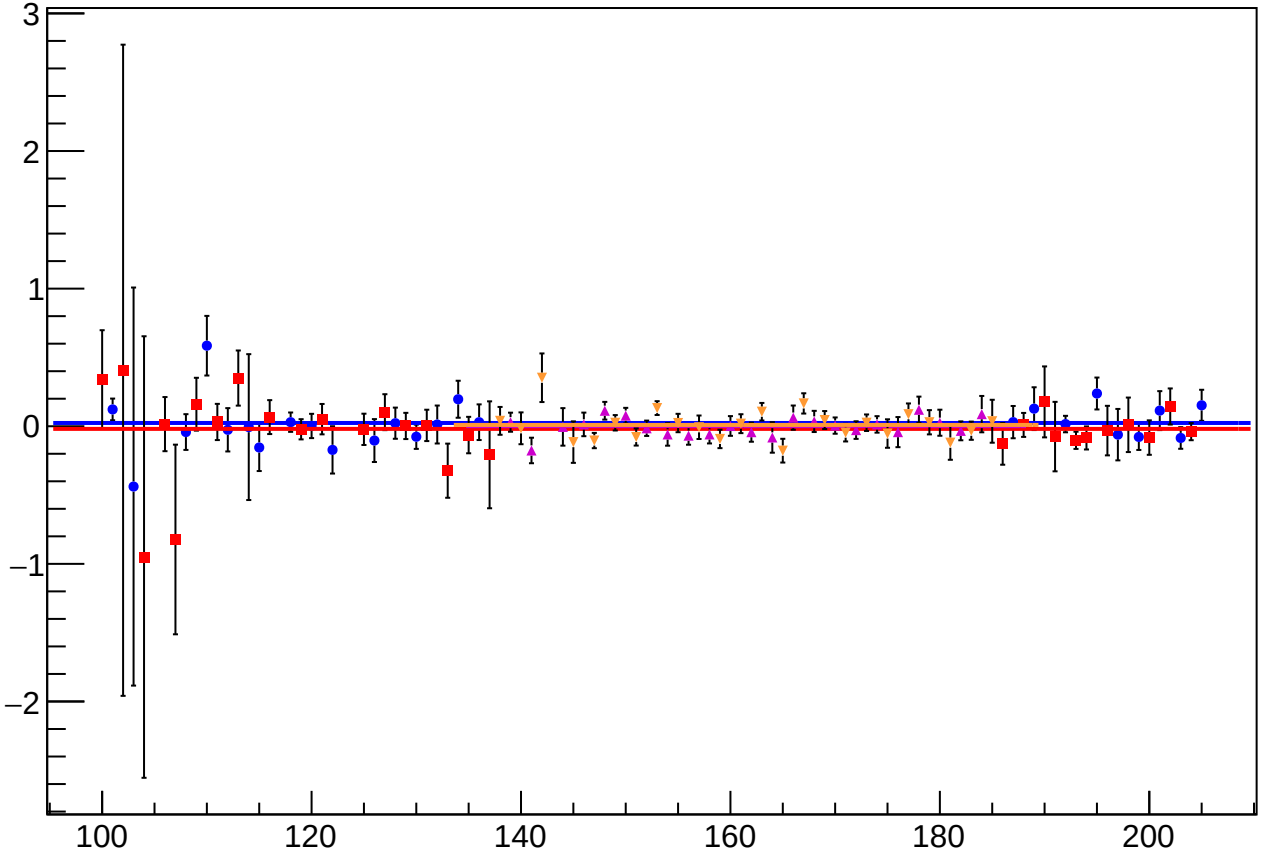
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7699429.2/49

All: 0.000+/-0.000 χ^2/NDF: 18713570.4/102

- sign 0.000+/-0.000 χ^2/NDF: 10714324.7/52

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

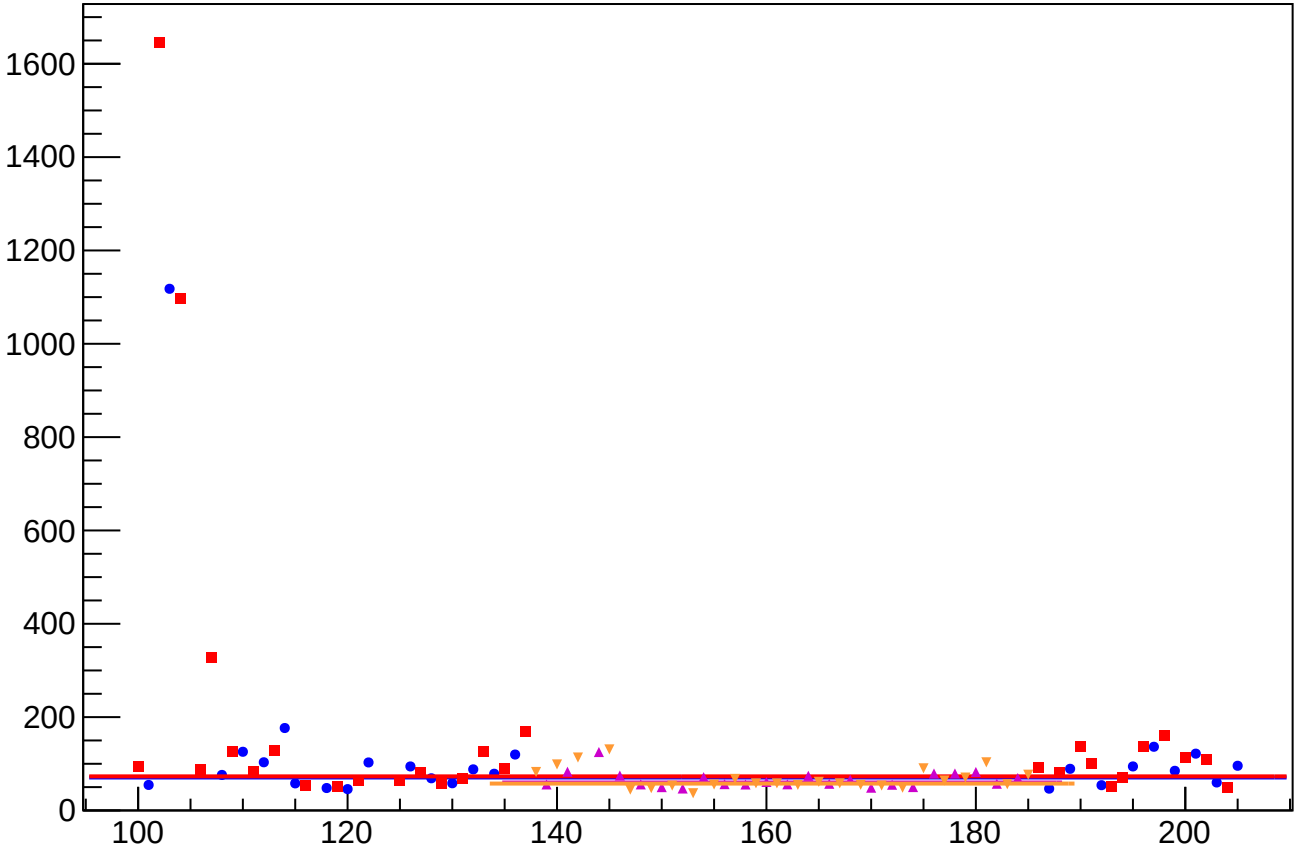
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 93.3/100

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

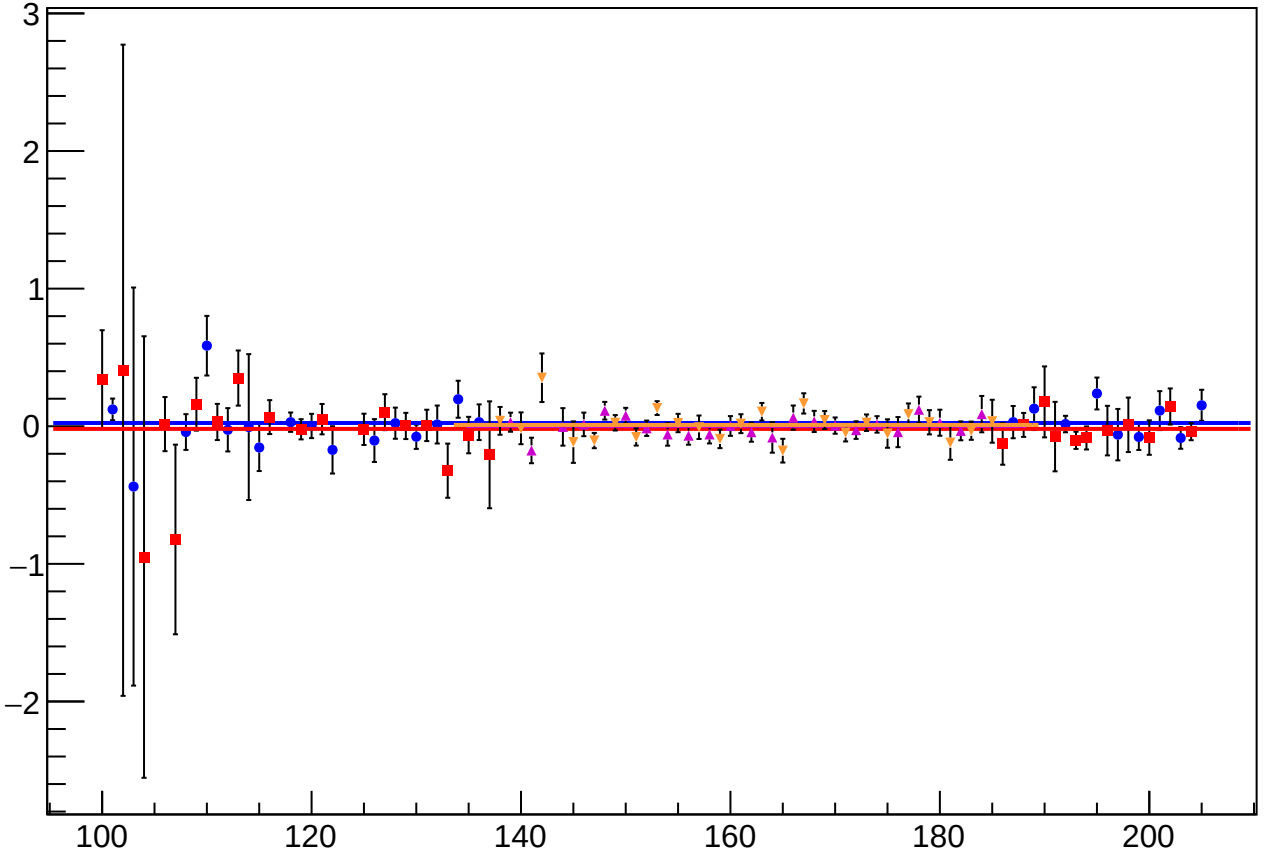
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.695+/-0.009 χ^2/NDF: 6007889.1/48

All: 62.831+/-0.006 χ^2/NDF: 12508394.4/100

- sign 64.018+/-0.009 χ^2/NDF: 6466837.4/51

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

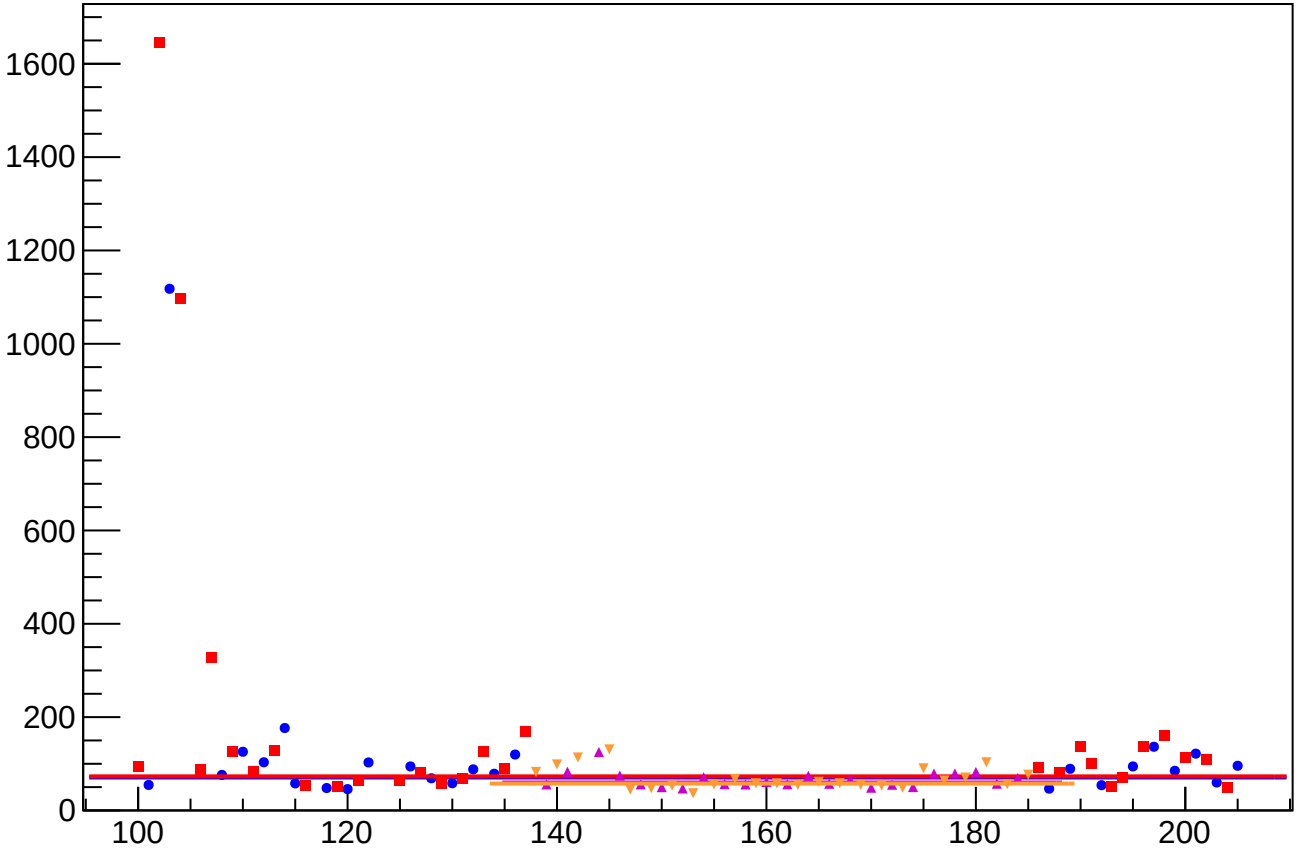
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 93.3/100

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

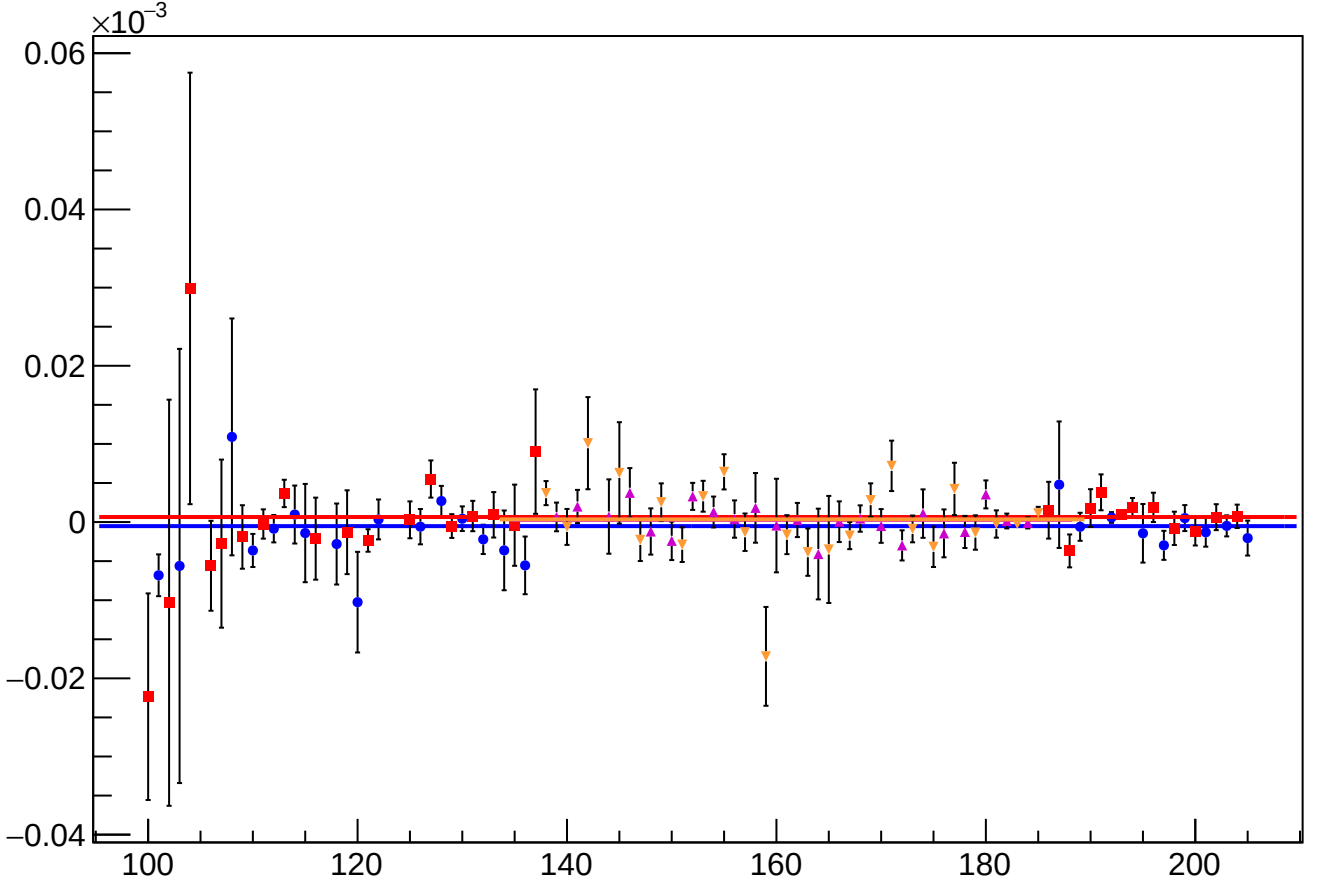
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.695+/-0.009 χ^2/NDF: 6007889.1/48

All: 62.831+/-0.006 χ^2/NDF: 12508394.4/100

- sign 64.018+/-0.009 χ^2/NDF: 6466837.4/51

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/28

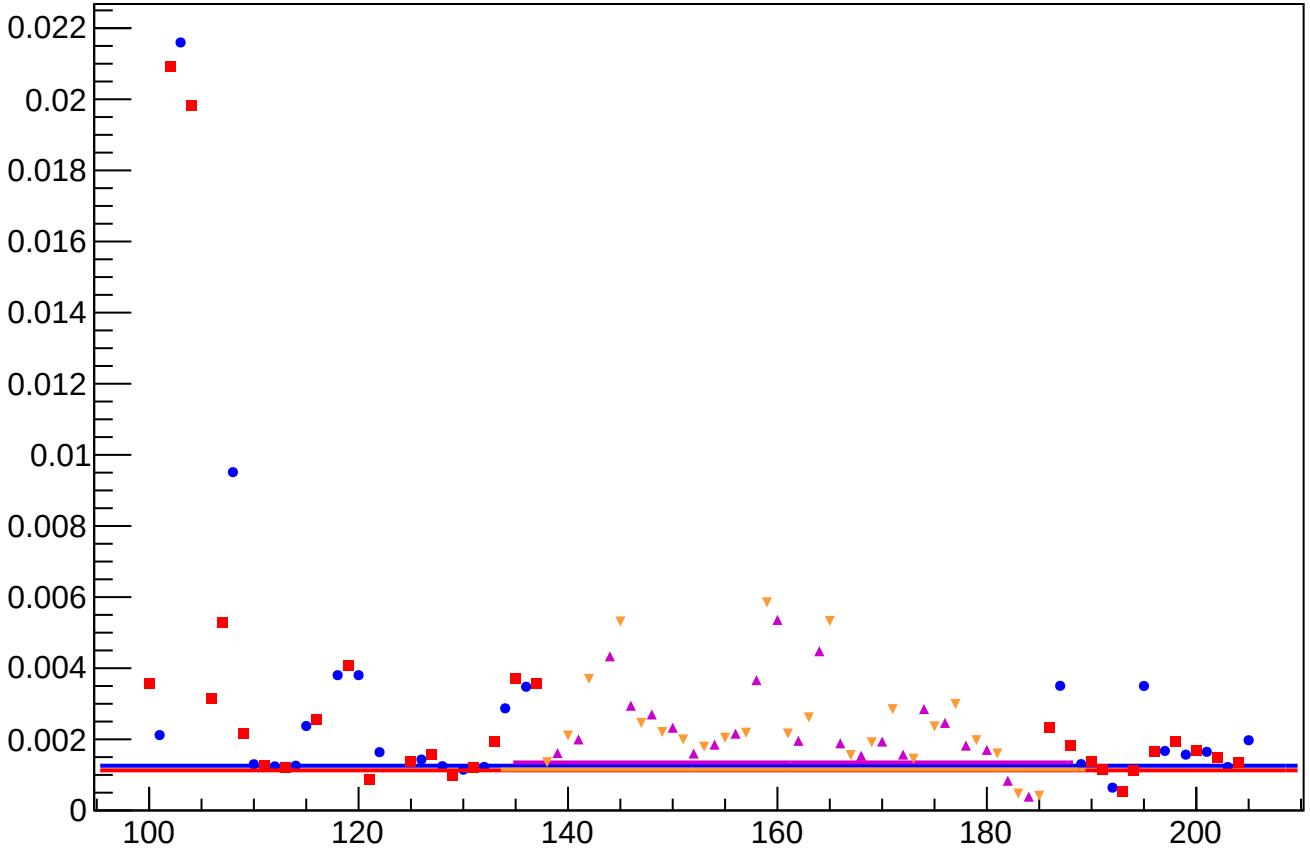
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.7/48

All: 0.000+/-0.000 χ^2/NDF: 119.4/100

- sign 0.000+/-0.000 χ^2/NDF: 44.7/51

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6683421.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7823628.8/28

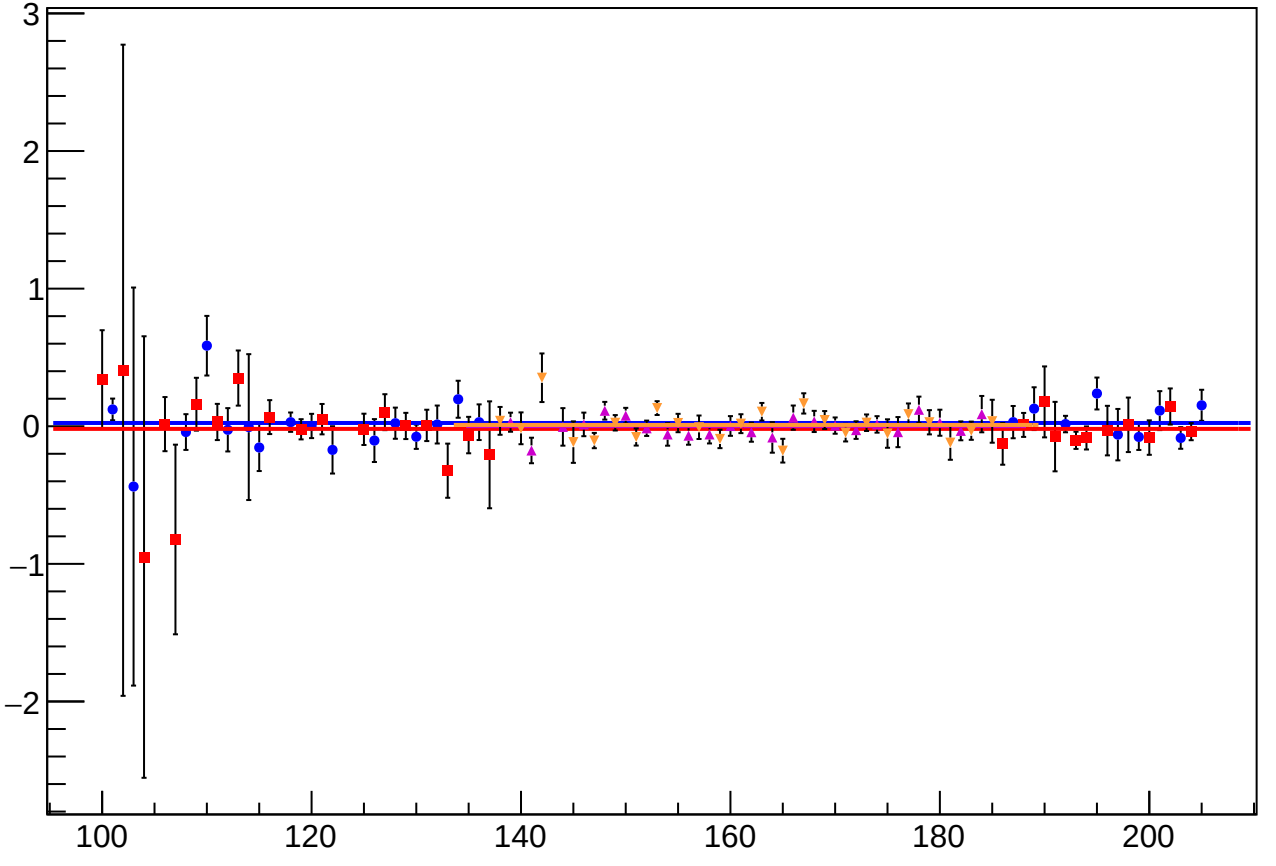
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 20011150.8/48

All: 0.001+/-0.000 χ^2/NDF: 38465993.8/100

- sign 0.001+/-0.000 χ^2/NDF: 18438919.7/51

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

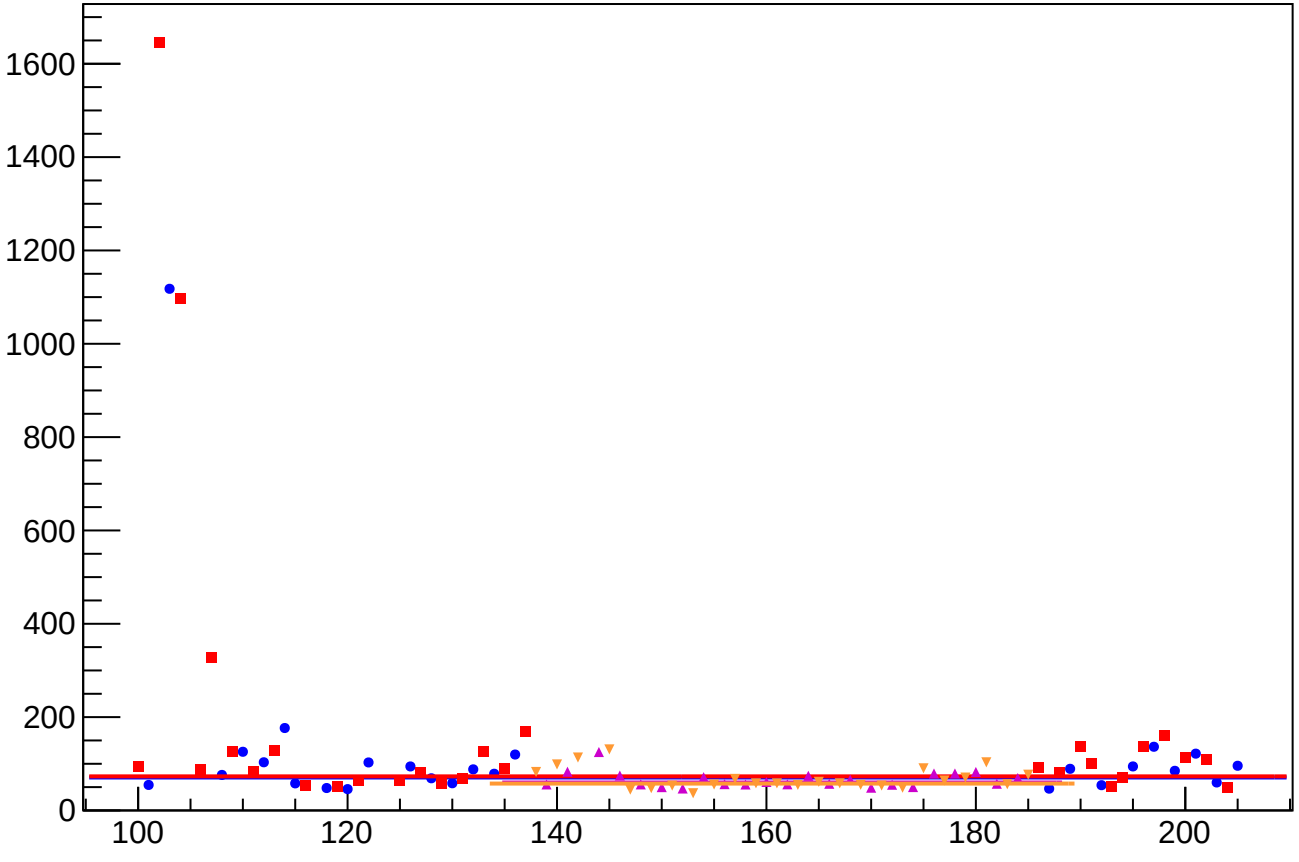
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 93.3/100

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

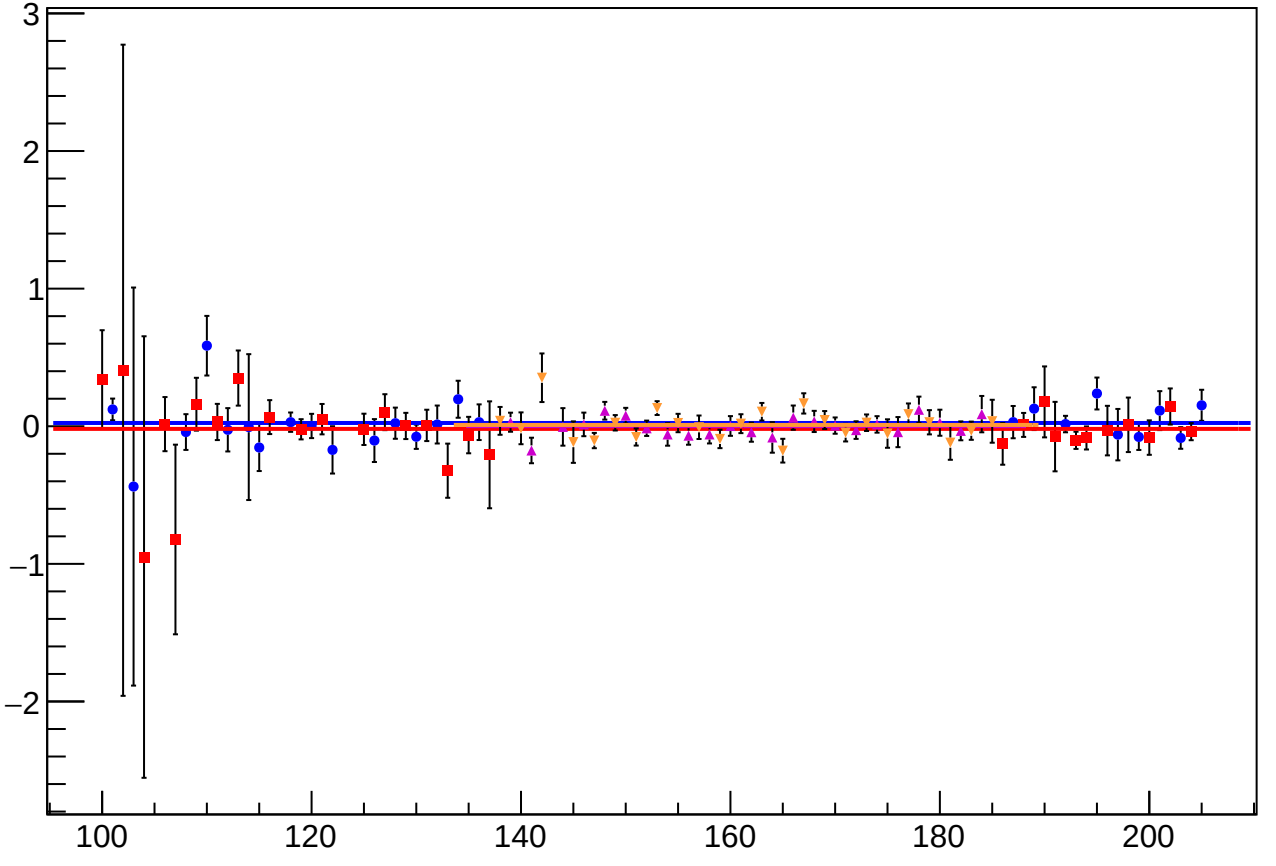
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.695+/-0.009 χ^2/NDF: 6008055.8/48

All: 62.831+/-0.006 χ^2/NDF: 12508548.0/100

- sign 64.018+/-0.009 χ^2/NDF: 6466819.7/51

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

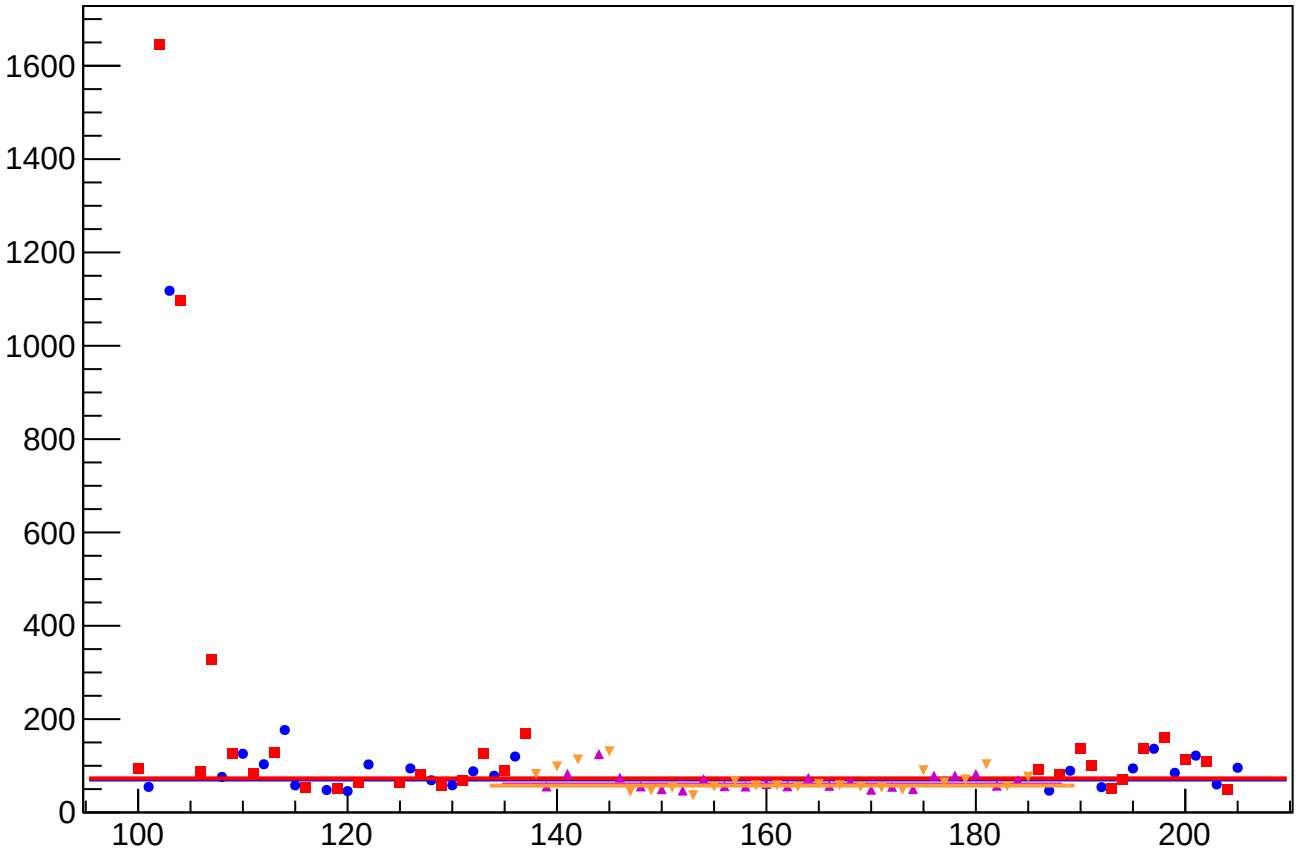
Right Out: -0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 93.3/100

- sign -0.006+/-0.013 χ^2/NDF: 33.5/51



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

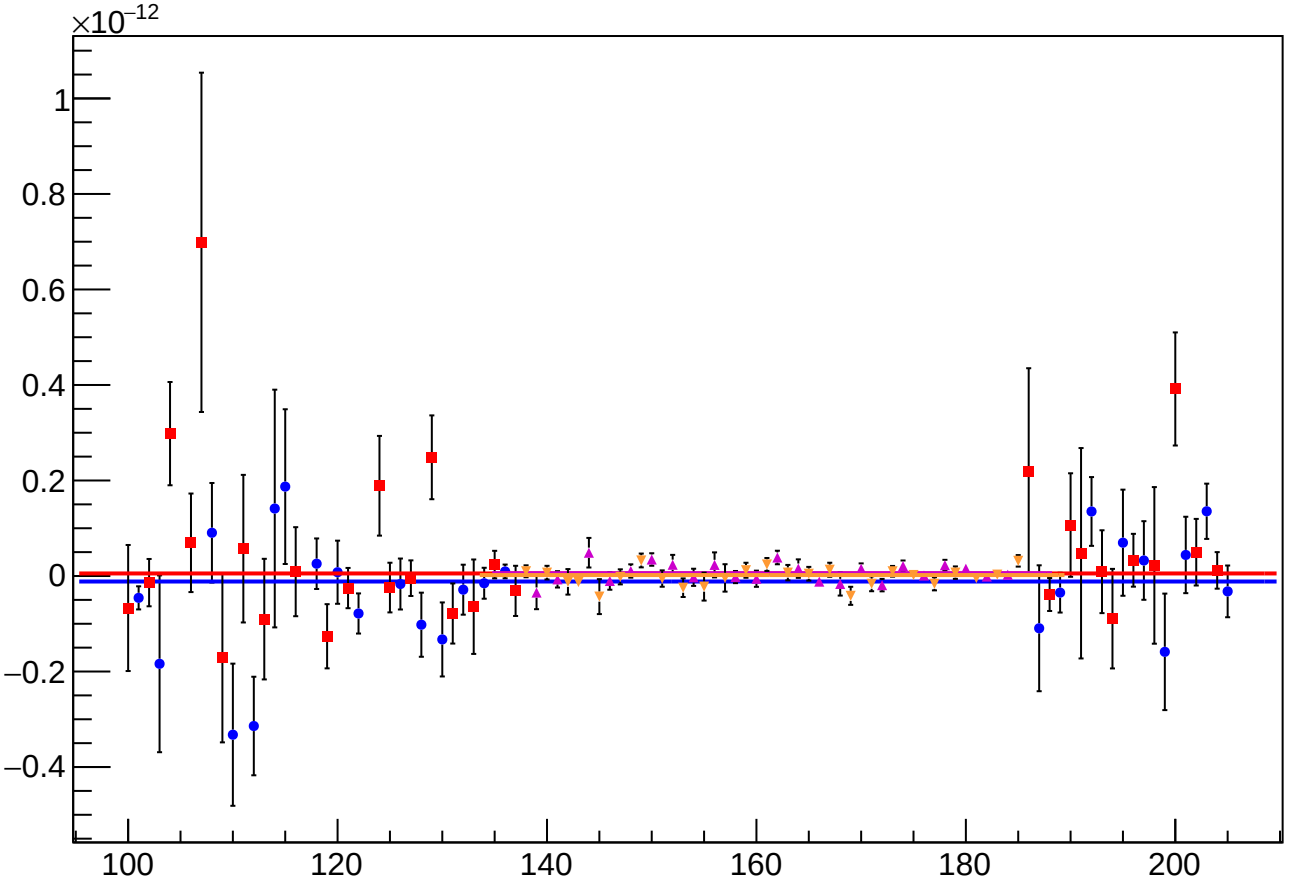
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.695+/-0.009 χ^2/NDF: 6008055.8/48

All: 62.831+/-0.006 χ^2/NDF: 12508548.0/100

- sign 64.018+/-0.009 χ^2/NDF: 6466819.7/51

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

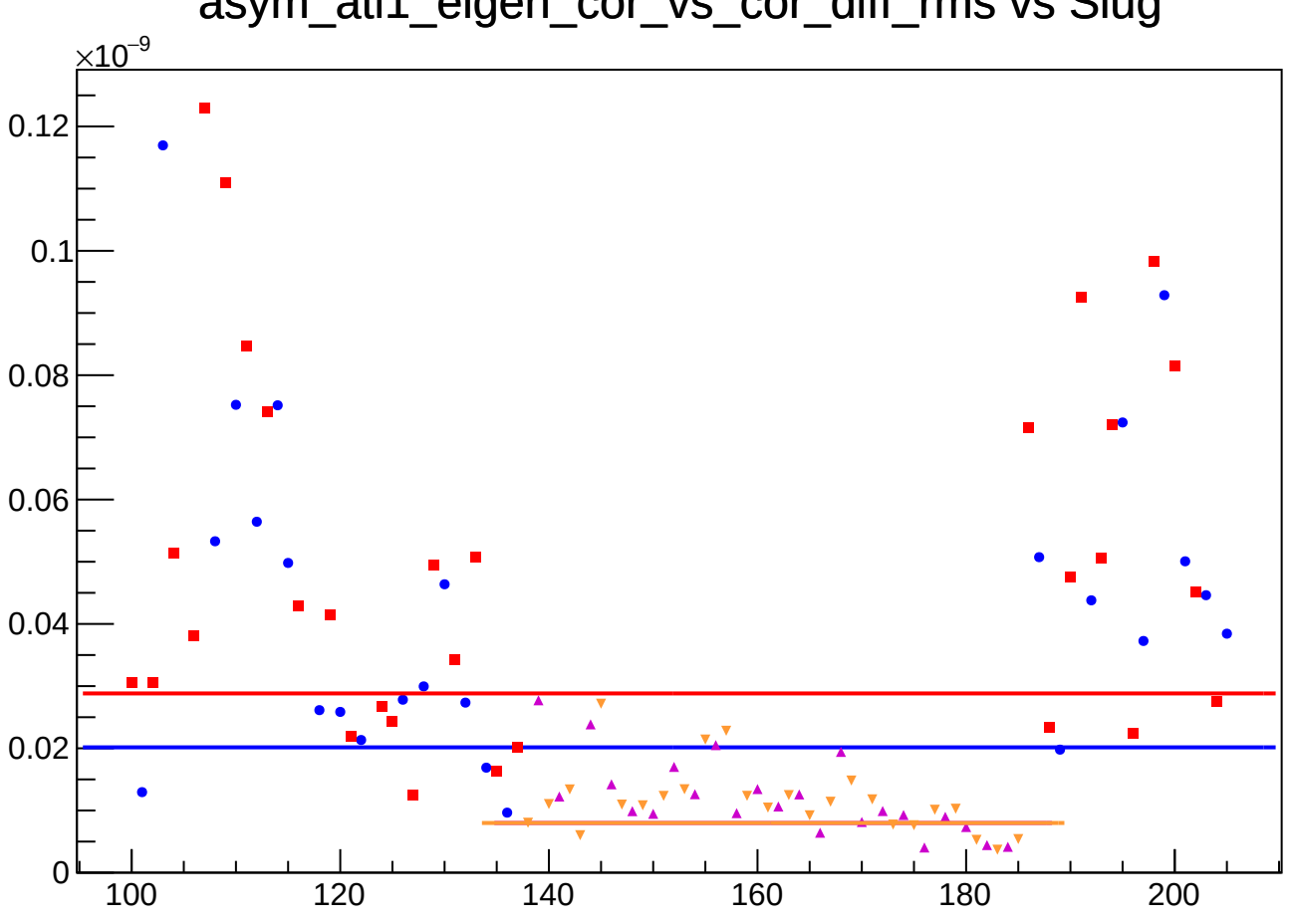
Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/29

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.9/49

All: 0.000+/-0.000 χ^2/NDF: 159.5/102

- sign 0.000+/-0.000 χ^2/NDF: 80.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 5509268.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4133790.2/29

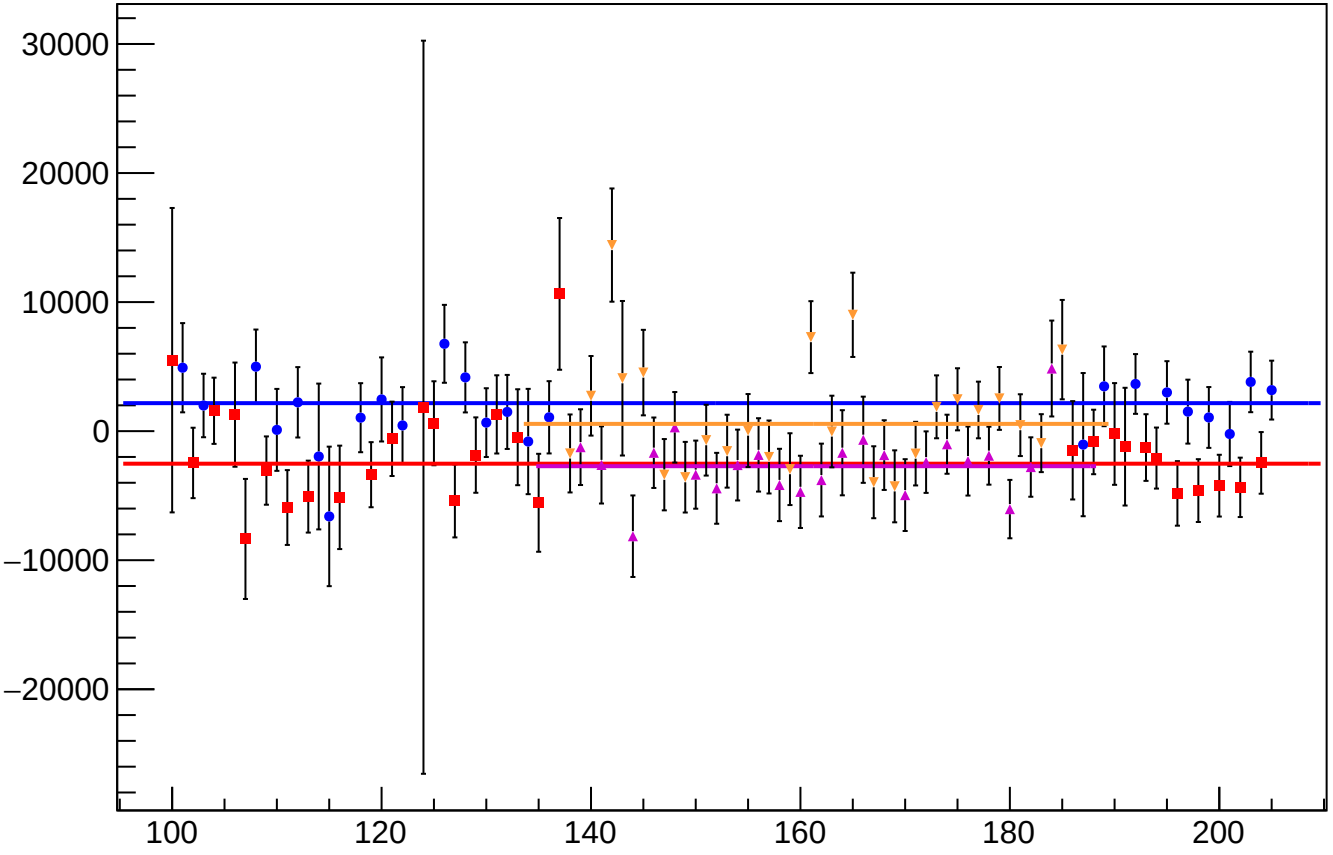
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13691556.5/49

All: 0.000+/-0.000 χ^2/NDF: 29175923.5/102

- sign 0.000+/-0.000 χ^2/NDF: 15481355.2/52

reg_asym_atl2_mean vs Slug



Right In: 2169.234+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2522.370+/-551.591 χ^2/NDF: 22.2/29

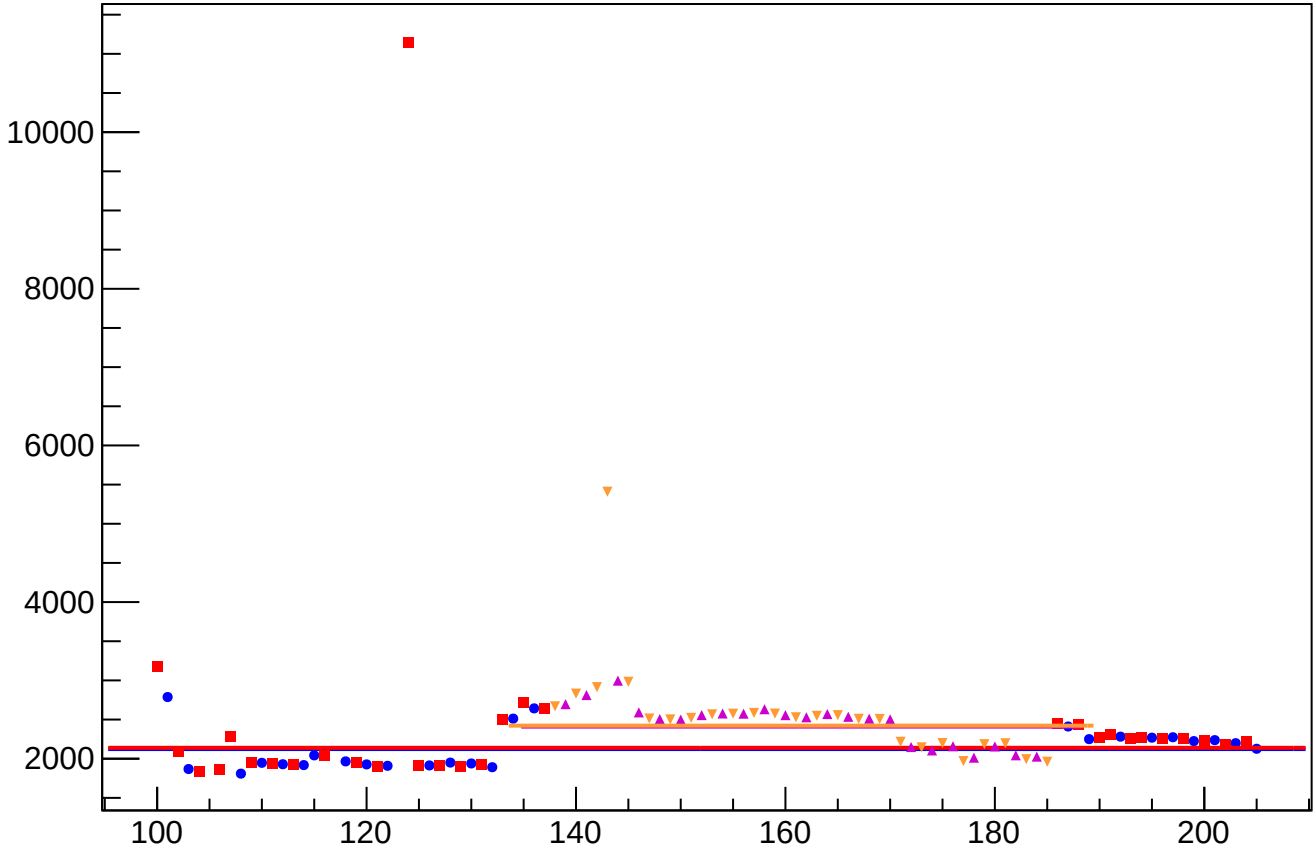
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1348.643+/-398.270 χ^2/NDF: 60.6/49

All: -649.909+/-280.492 χ^2/NDF: 147.2/102

- sign -2616.752+/-395.098 χ^2/NDF: 36.6/52

reg_asym_atl2_rms vs Slug



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.1/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.417+/-0.390 χ^2/NDF: 512815.5/29

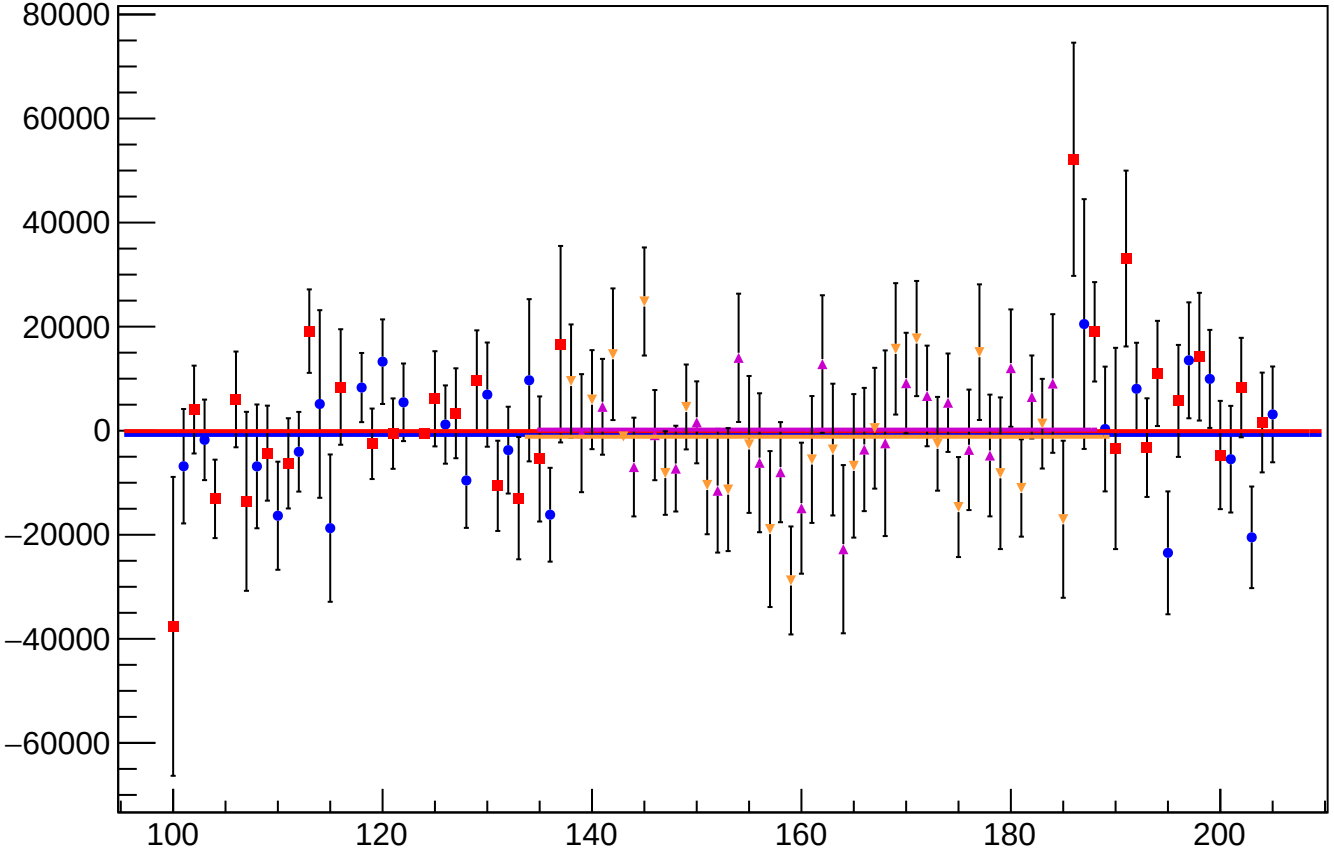
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2275.943+/-0.282 χ^2/NDF: 1567058.7/49

All: 2273.494+/-0.198 χ^2/NDF: 2742424.7/10

- sign 2271.085+/-0.279 χ^2/NDF: 1175216.0/52

asym_atl2_reg_correction_mean vs Slug



Right In: -806.666+/-1916.098 χ^2/NDF: 28.2/24

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -80.636+/-749.421 χ^2/NDF: 36.0/29

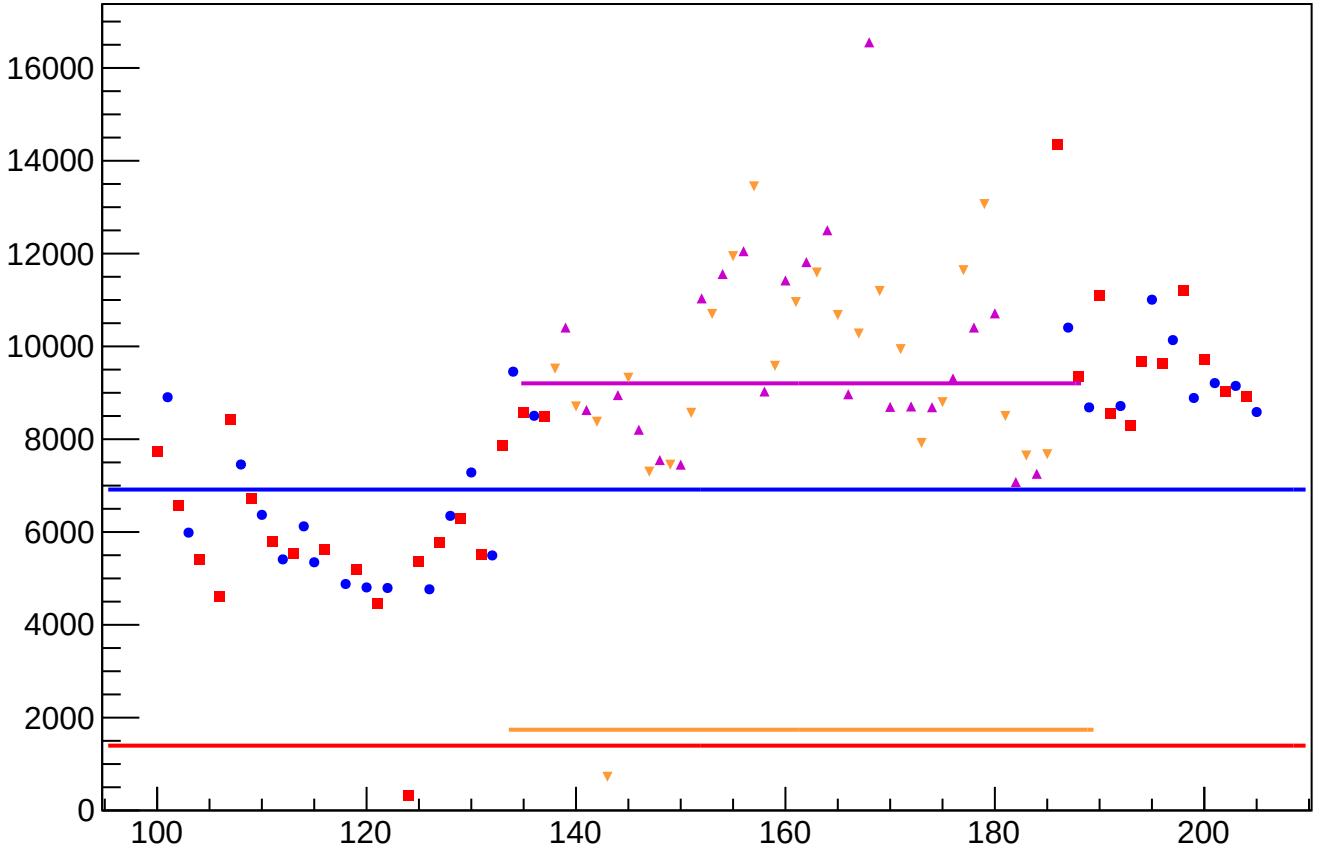
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1110.665+/-704.688 χ^2/NDF: 60.2/49

All: -583.901+/-499.886 χ^2/NDF: 110.8/102

- sign -50.331+/-709.226 χ^2/NDF: 49.4/52

asym_atl2_reg_correction_rms vs Slug



Right In: 6915.259+/-1.355 χ^2/NDF: 1974466.3/24

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1396.593+/-0.530 χ^2/NDF: 23545588.5/29

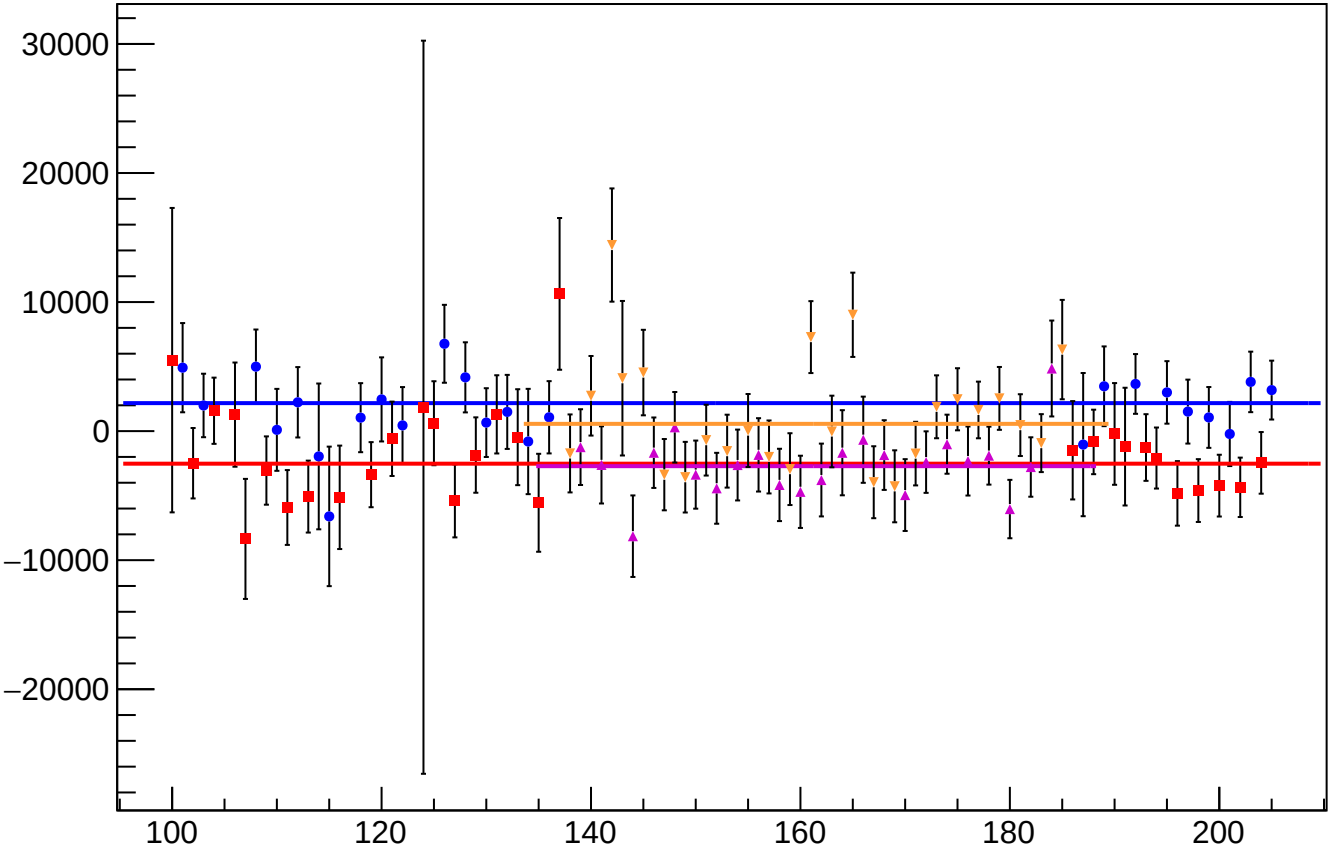
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2439.721+/-0.498 χ^2/NDF: 42326729.6/49

All: 2326.400+/-0.353 χ^2/NDF: 89907531.5/1

- sign 2211.616+/-0.501 χ^2/NDF: 47476695.3/52

cor_asym_atl2_mean vs Slug



Right In: 2169.214+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2523.348+/-551.594 χ^2/NDF: 22.2/29

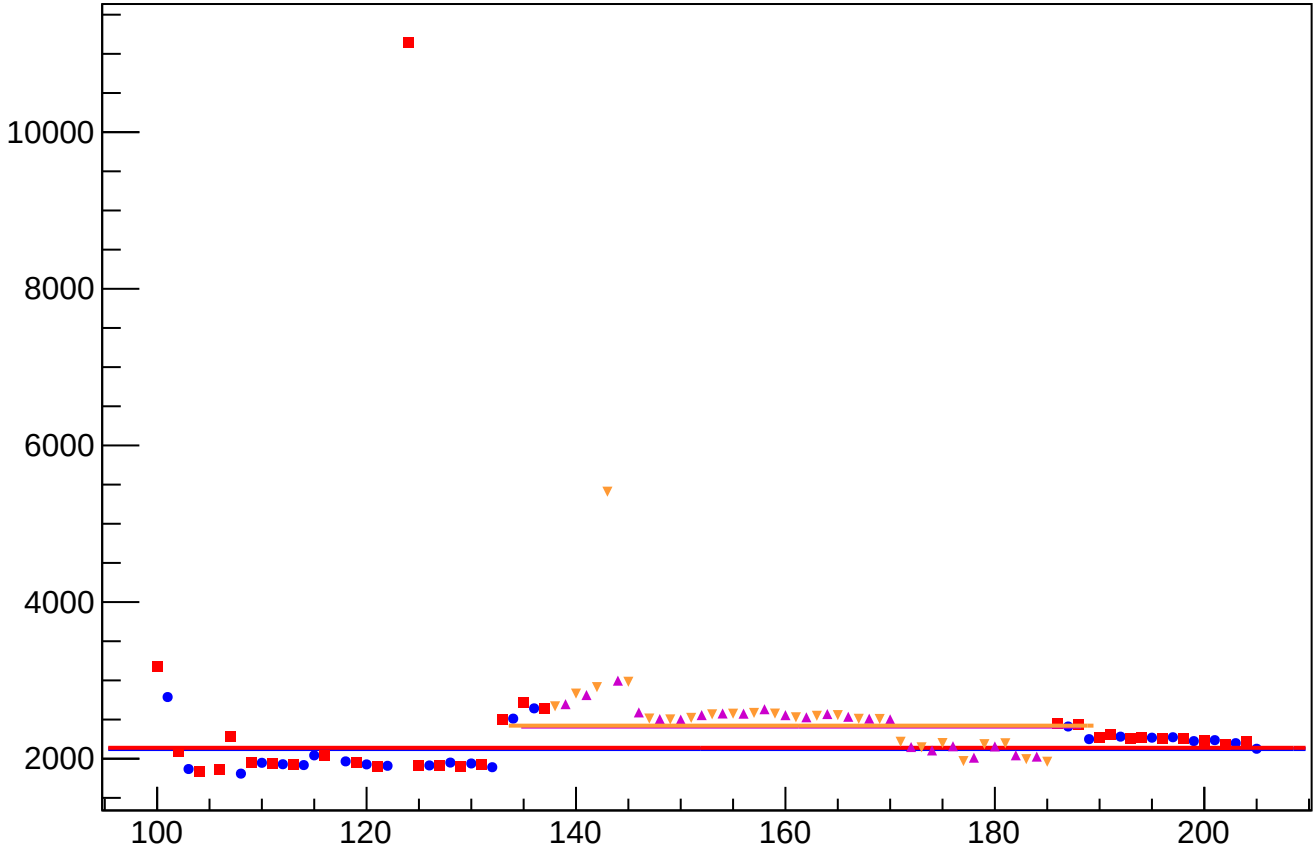
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1348.635+/-398.271 χ^2/NDF: 60.6/49

All: -650.152+/-280.492 χ^2/NDF: 147.2/102

- sign -2617.236+/-395.099 χ^2/NDF: 36.6/52

cor_asym_atl2_rms vs Slug



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

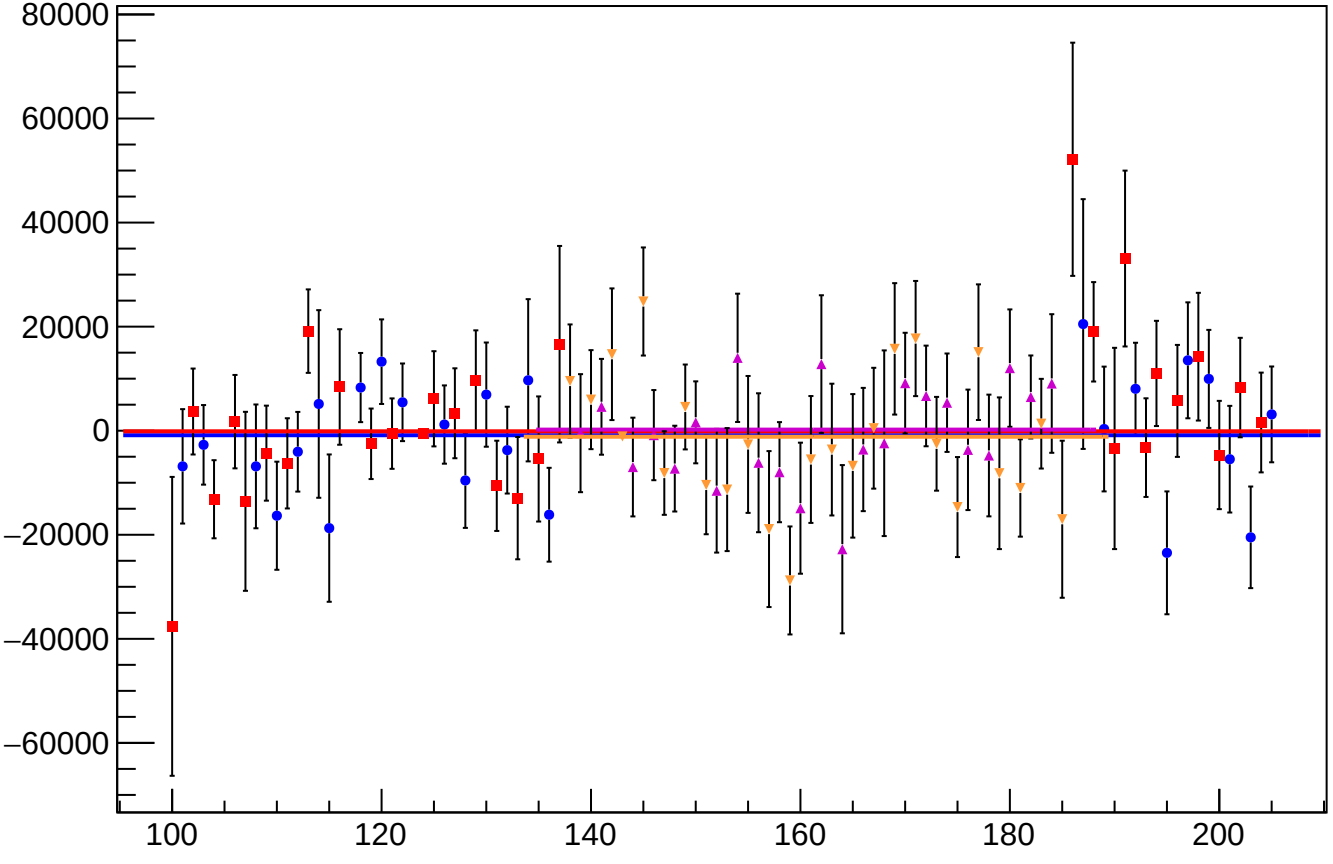
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2275.943+/-0.282 χ^2/NDF: 1567058.8/49

All: 2273.498+/-0.198 χ^2/NDF: 2742394.0/10

- sign 2271.092+/-0.279 χ^2/NDF: 1175185.7/52

asym_atl2_cor_correction_mean vs Slug



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -112.682+/-749.106 χ^2/NDF: 35.6/29

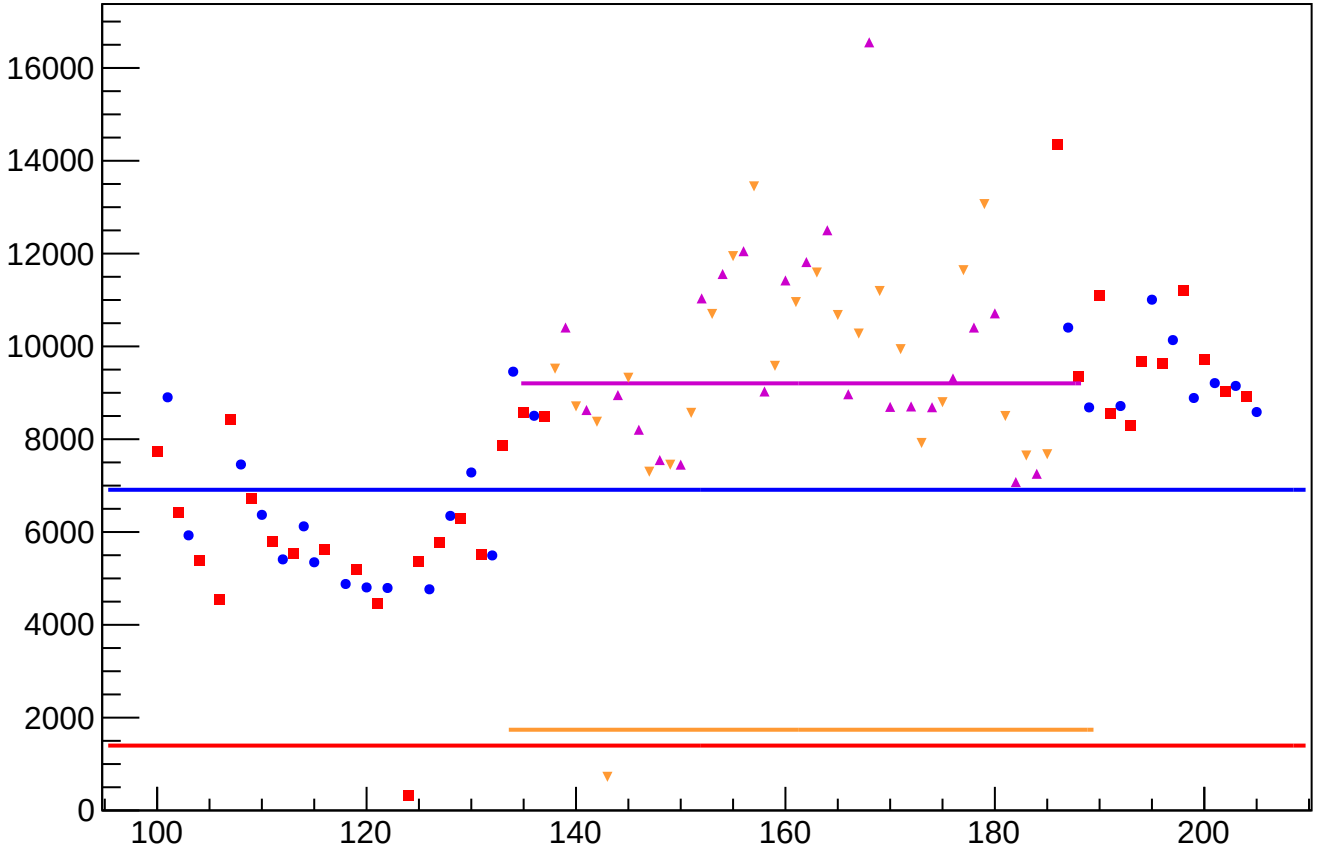
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1118.815+/-704.566 χ^2/NDF: 60.2/49

All: -602.175+/-499.749 χ^2/NDF: 110.4/102

- sign -79.073+/-708.958 χ^2/NDF: 49.1/52

asym_atl2_cor_correction_rms vs Slug



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

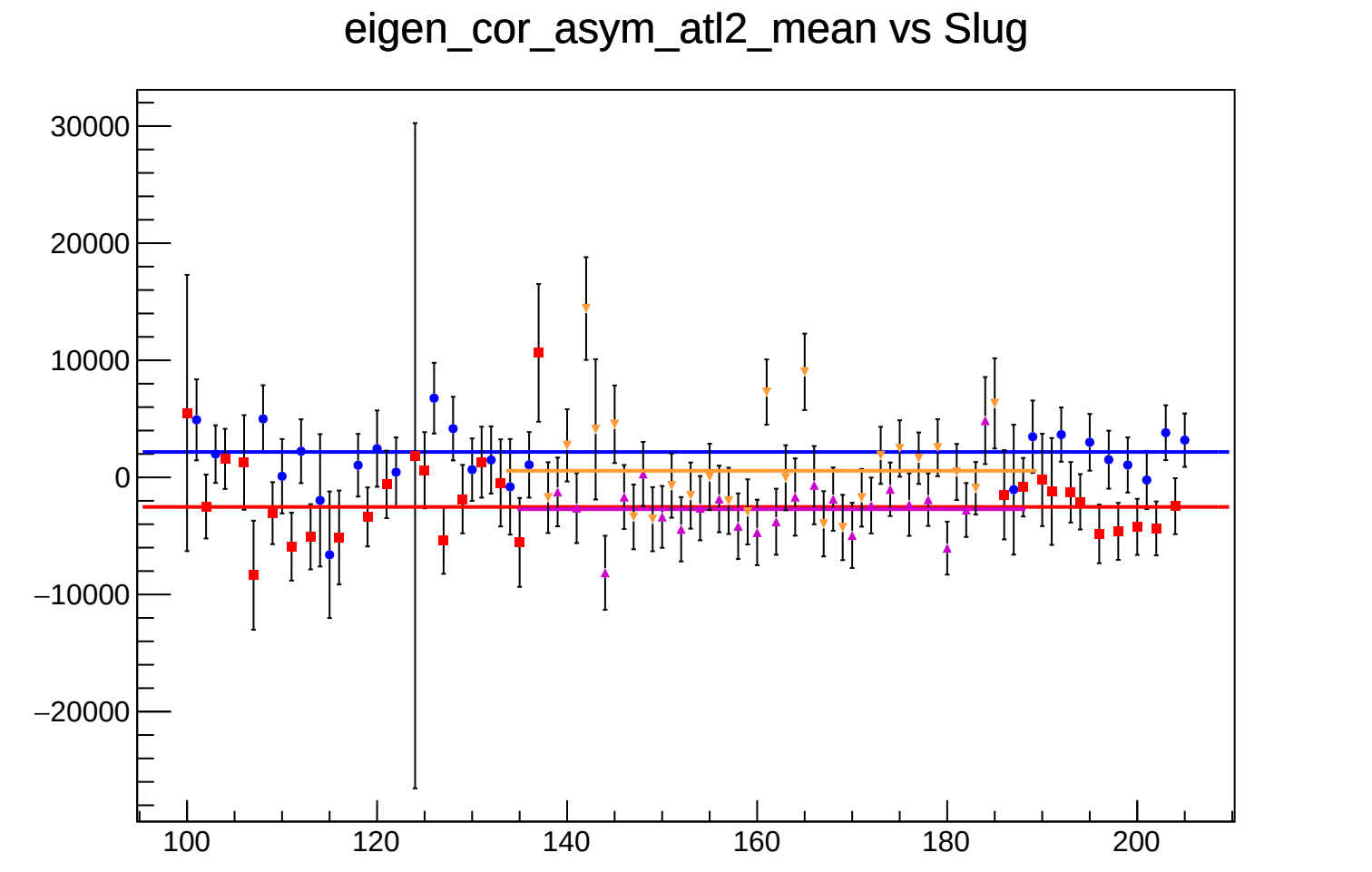
Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2439.616+/-0.498 χ^2/NDF: 42324929.2/49

All: 2326.597+/-0.353 χ^2/NDF: 89891466.6/1

- sign 2212.164+/-0.501 χ^2/NDF: 47462969.1/52



Right In: 2169.214+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2523.348+/-551.594 χ^2/NDF: 22.2/29

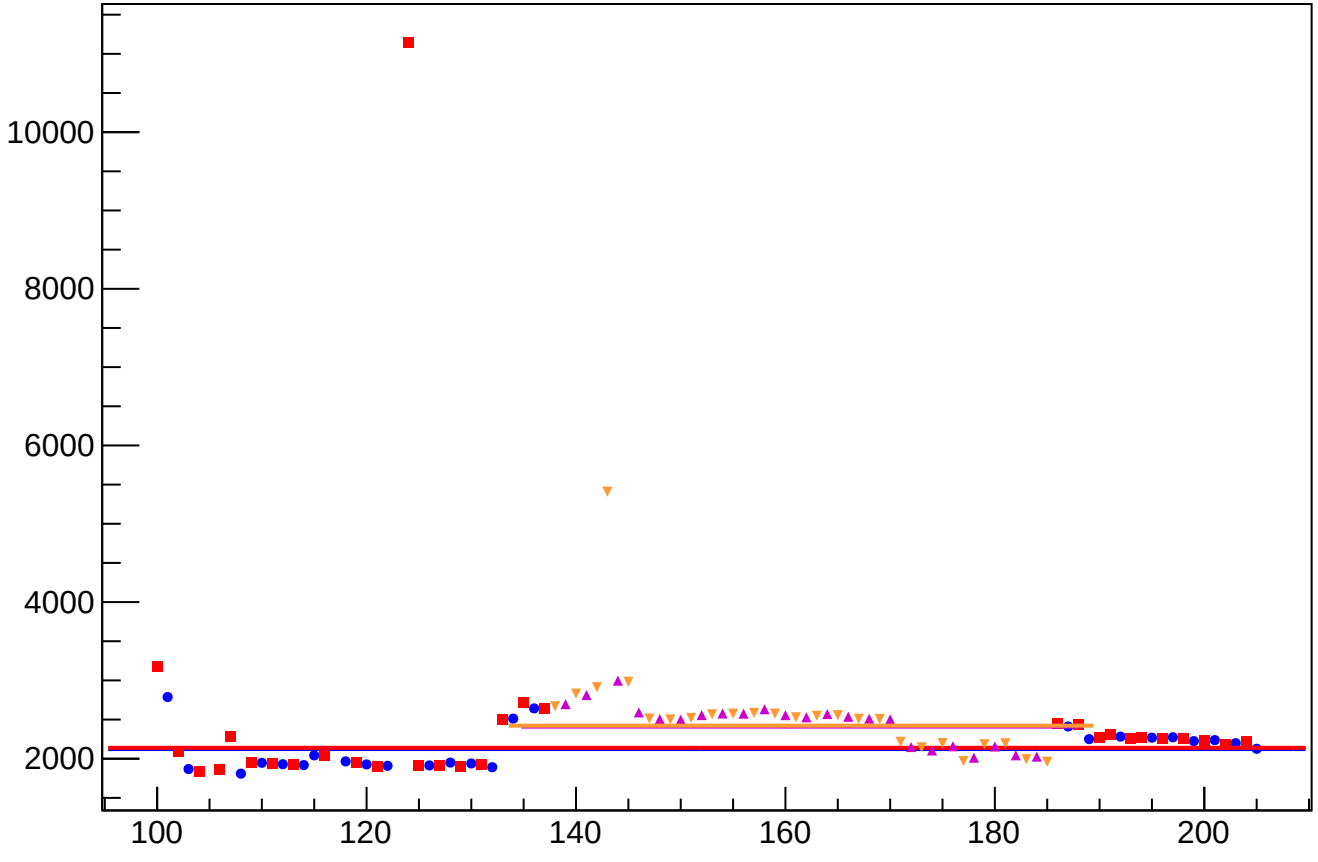
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1348.635+/-398.271 χ^2/NDF: 60.6/49

All: -650.152+/-280.492 χ^2/NDF: 147.2/102

- sign -2617.236+/-395.099 χ^2/NDF: 36.6/52

eigen_cor_asym_atl2_rms vs Slug



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

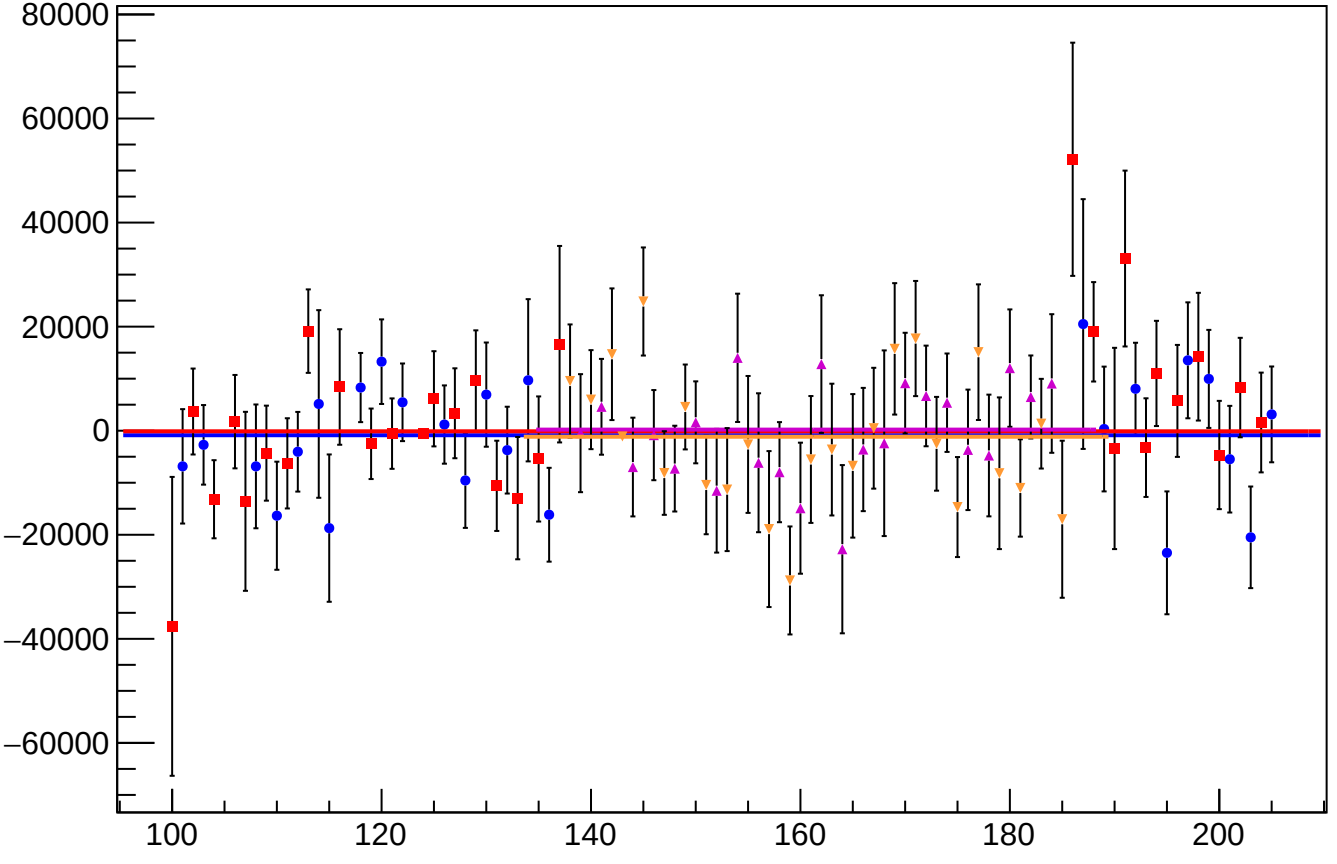
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2275.943+/-0.282 χ^2/NDF: 1567058.8/49

All: 2273.498+/-0.198 χ^2/NDF: 2742394.0/10

- sign 2271.092+/-0.279 χ^2/NDF: 1175185.7/52

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -112.682+/-749.106 χ^2/NDF: 35.6/29

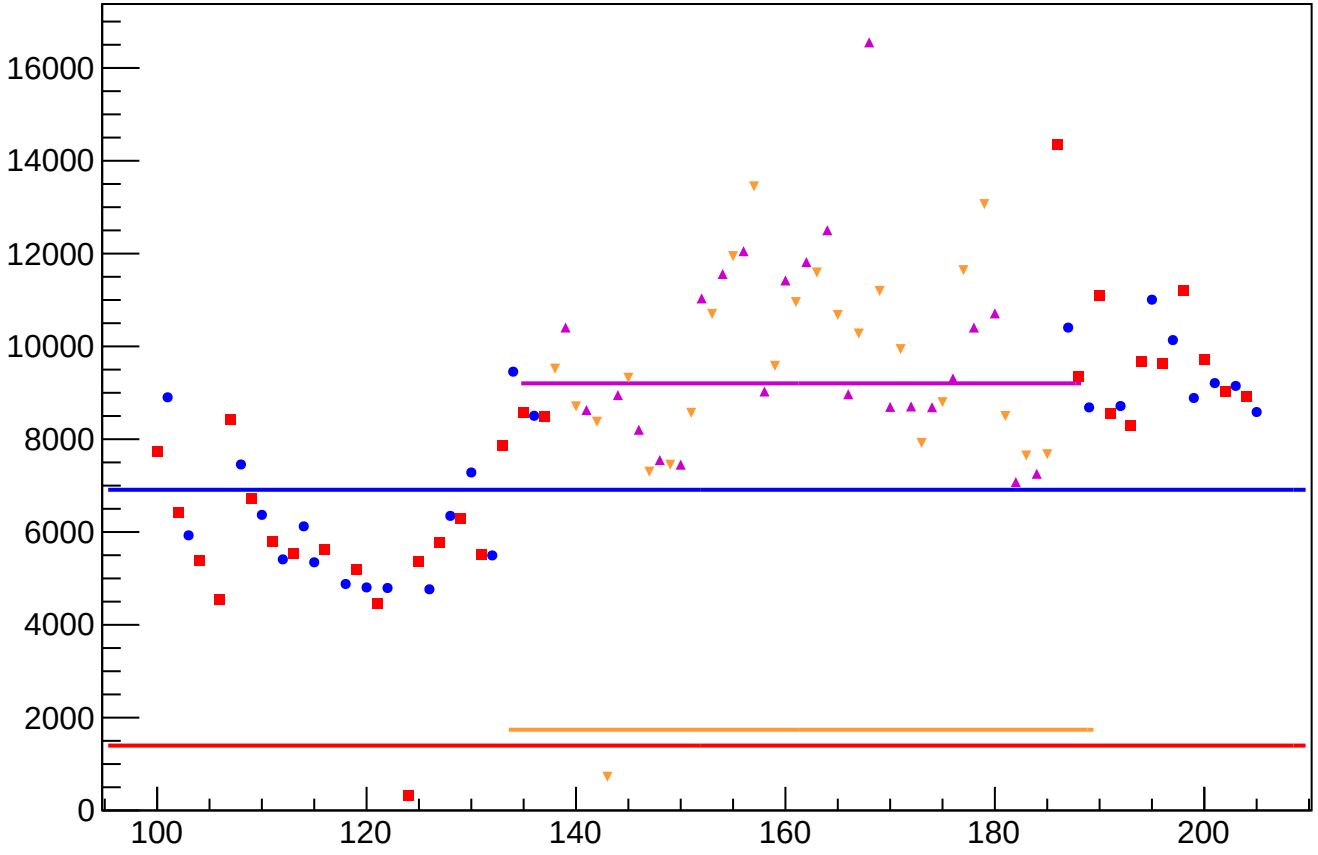
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1118.815+/-704.566 χ^2/NDF: 60.2/49

All: -602.175+/-499.749 χ^2/NDF: 110.4/102

- sign -79.073+/-708.958 χ^2/NDF: 49.1/52

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

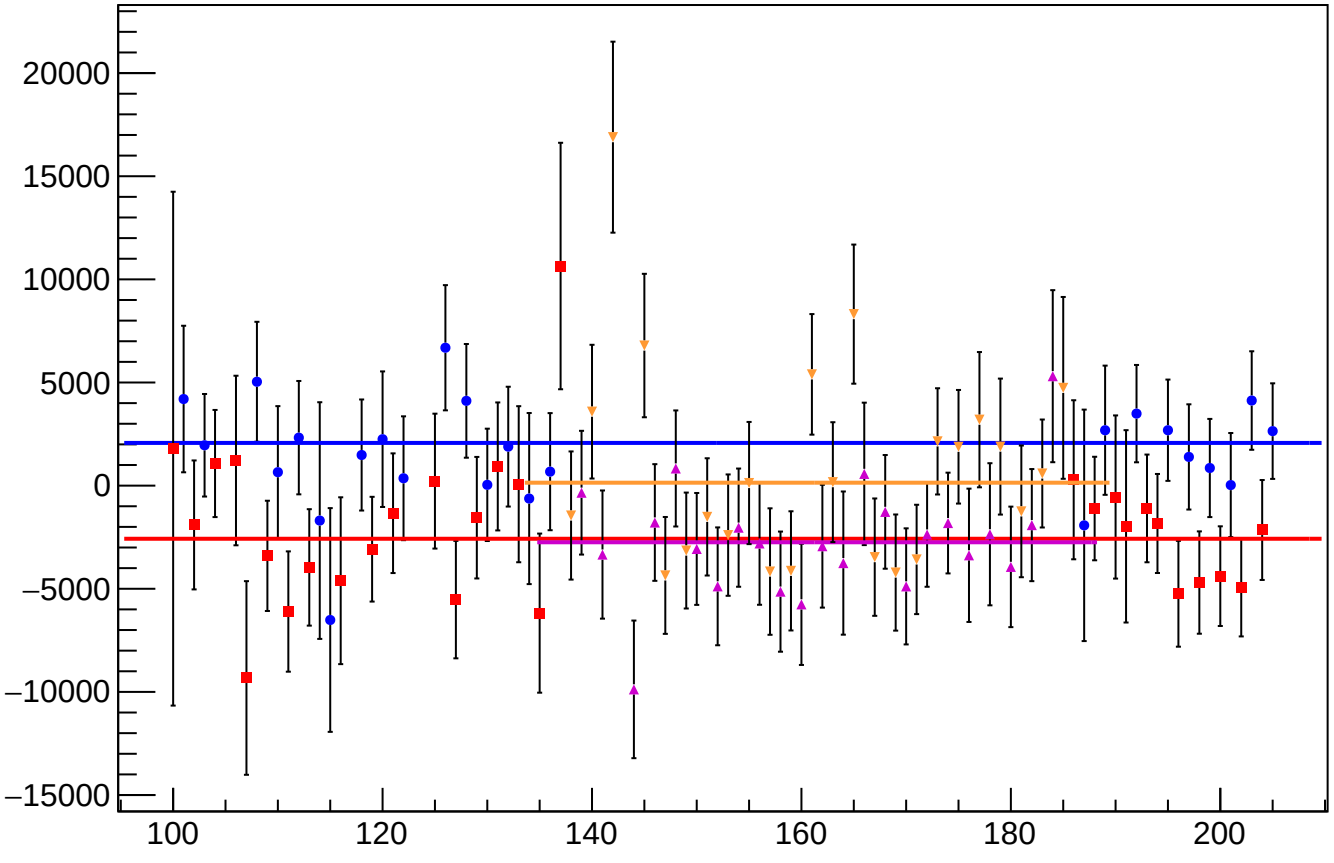
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2439.616+/-0.498 χ^2/NDF: 42324929.2/49

All: 2326.597+/-0.353 χ^2/NDF: 89891466.6/1

- sign 2212.164+/-0.501 χ^2/NDF: 47462969.1/52

dit_asym_atl2_mean vs Slug



Right In: 2070.948+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2575.439+/-561.458 χ^2/NDF: 21.8/28

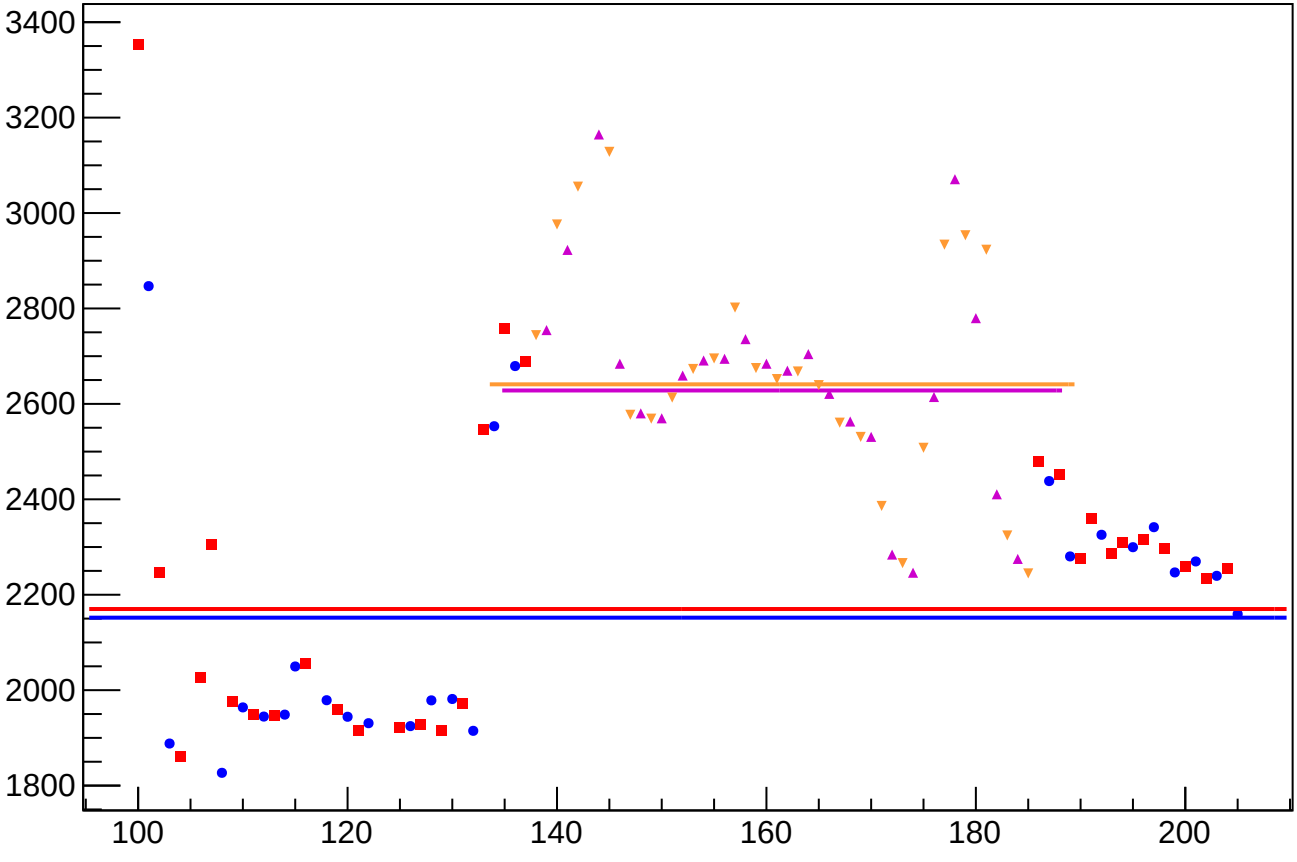
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1168.610+/-421.183 χ^2/NDF: 62.8/48

All: -770.387+/-295.609 χ^2/NDF: 141.8/100

- sign -2652.811+/-414.994 χ^2/NDF: 37.3/51

dit_asym_atl2_rms vs Slug



Right In: 2151.962+/-0.408 χ^2/NDF: 348673.9/24

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319526.8/28

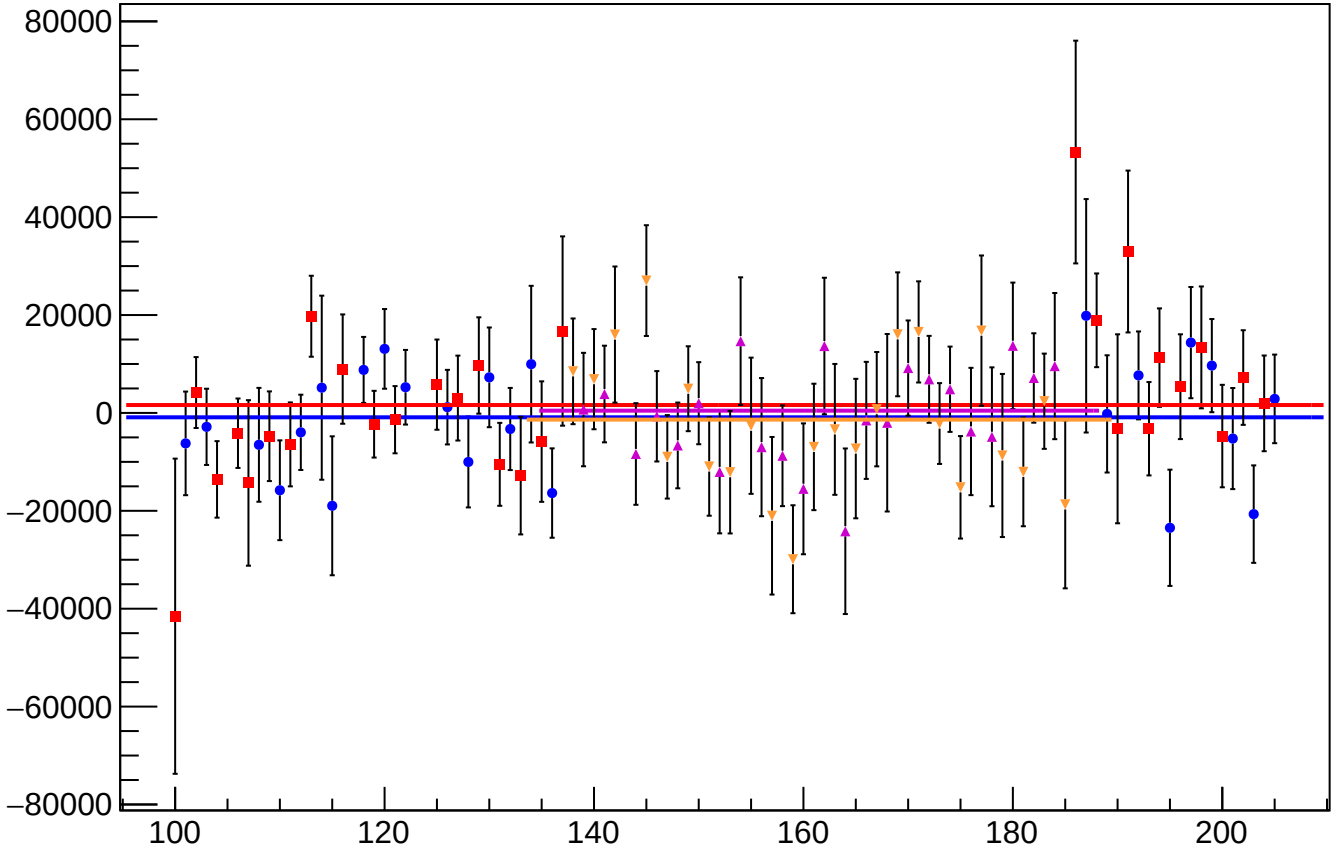
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2380.782+/-0.298 χ^2/NDF: 1273355.1/48

All: 2379.217+/-0.209 χ^2/NDF: 2434742.7/10

- sign 2377.698+/-0.293 χ^2/NDF: 1161333.2/51

asym_atl2_dit_correction_mean vs Slug



Right In: -895.290+/-1929.486 χ^2/NDF: 27.9/24

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

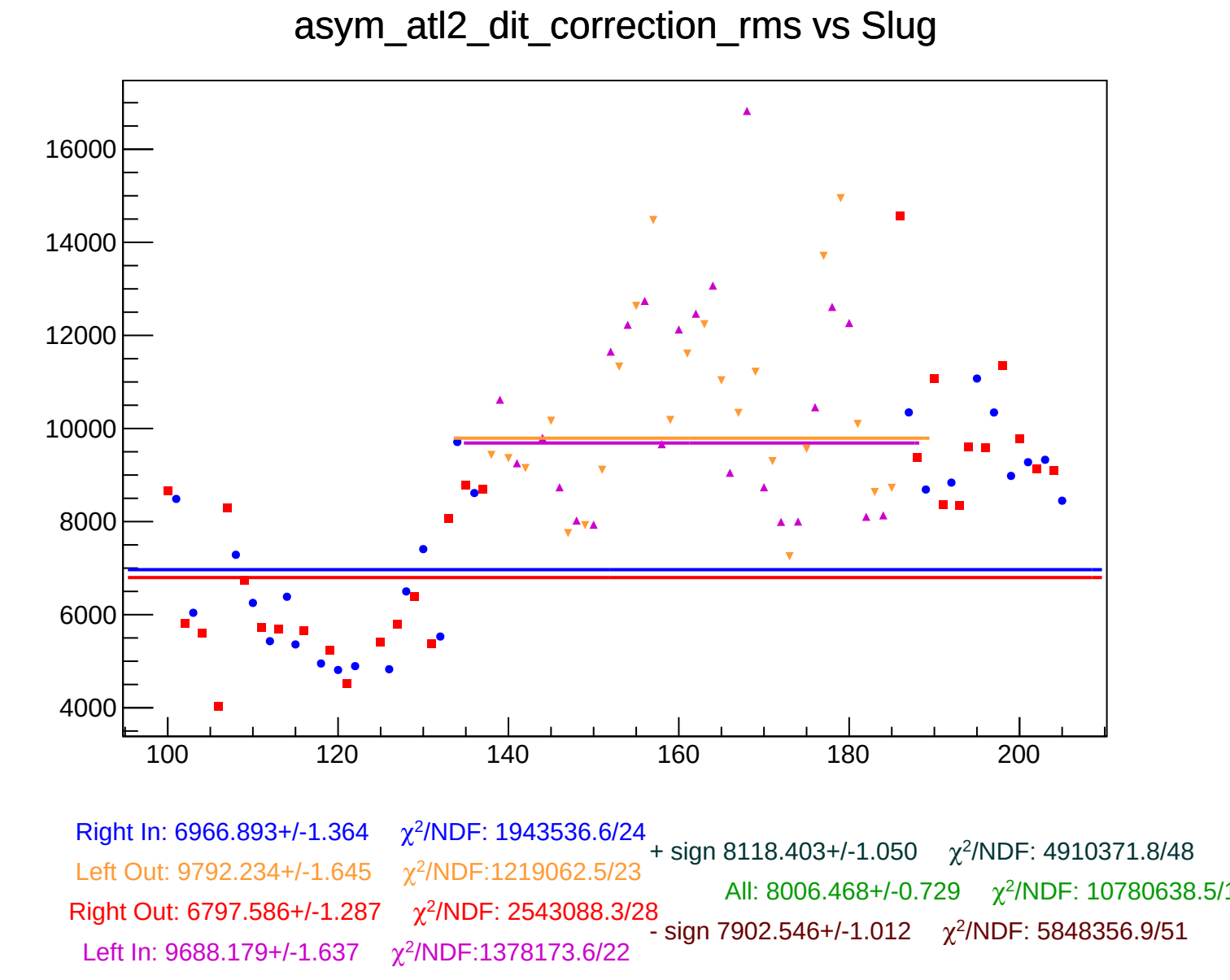
Right Out: 1612.686+/-1820.665 χ^2/NDF: 34.7/28

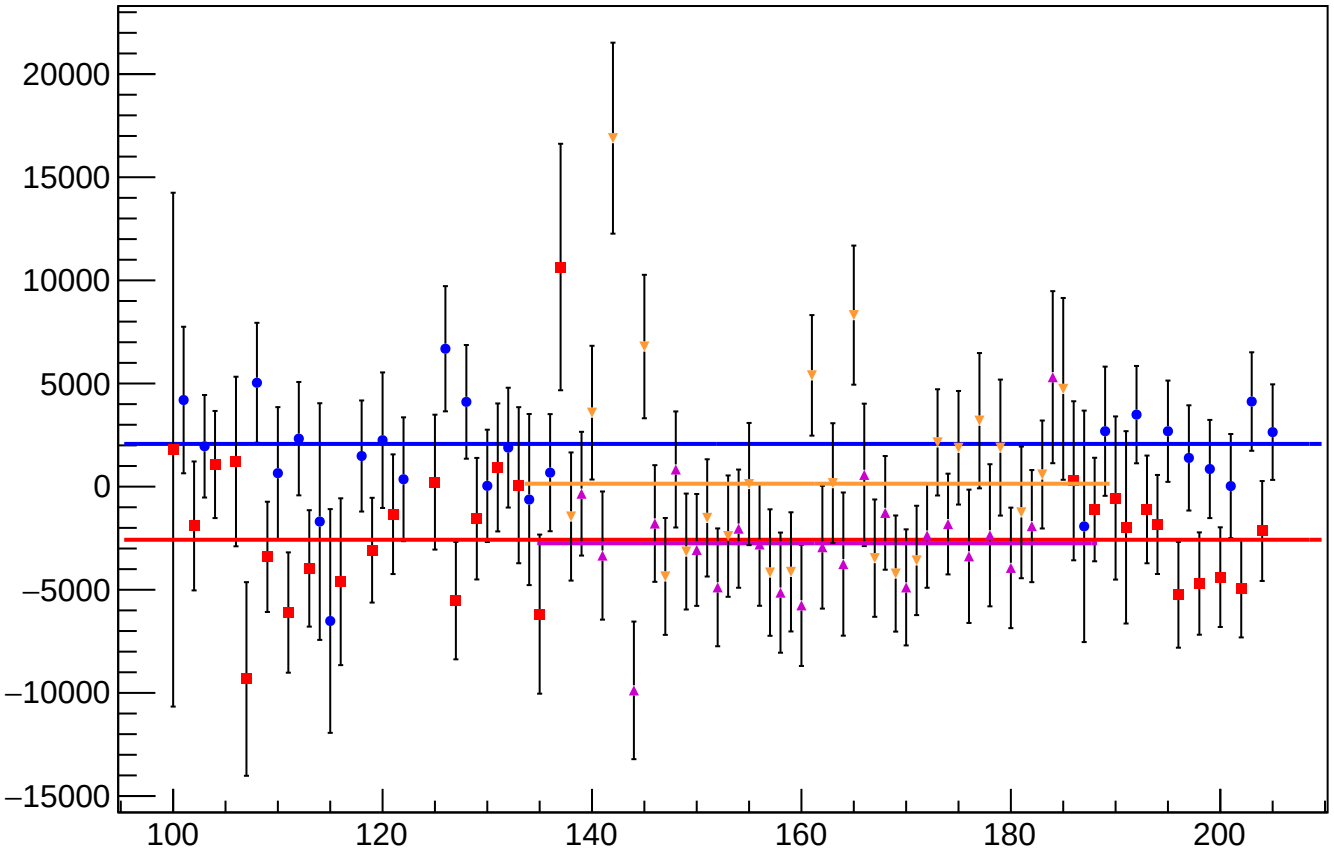
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1087.477+/-1485.122 χ^2/NDF: 59.2/48

All: 84.979+/-1030.464 χ^2/NDF: 108.4/100

- sign 1173.503+/-1430.978 χ^2/NDF: 48.0/51


asym_atl2_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6966.893+/-1.364 χ²/NDF: 1943536.6/24
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6797.586+/-1.287 χ²/NDF: 2543088.3/28
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
+ sign 8118.403+/-1.050 χ²/NDF: 4910371.8/48
All: 8006.468+/-0.729 χ²/NDF: 10780638.5/1
- sign 7902.546+/-1.012 χ²/NDF: 5848356.9/51



Right In: 2070.945+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2575.441+/-561.458 χ^2/NDF: 21.8/28

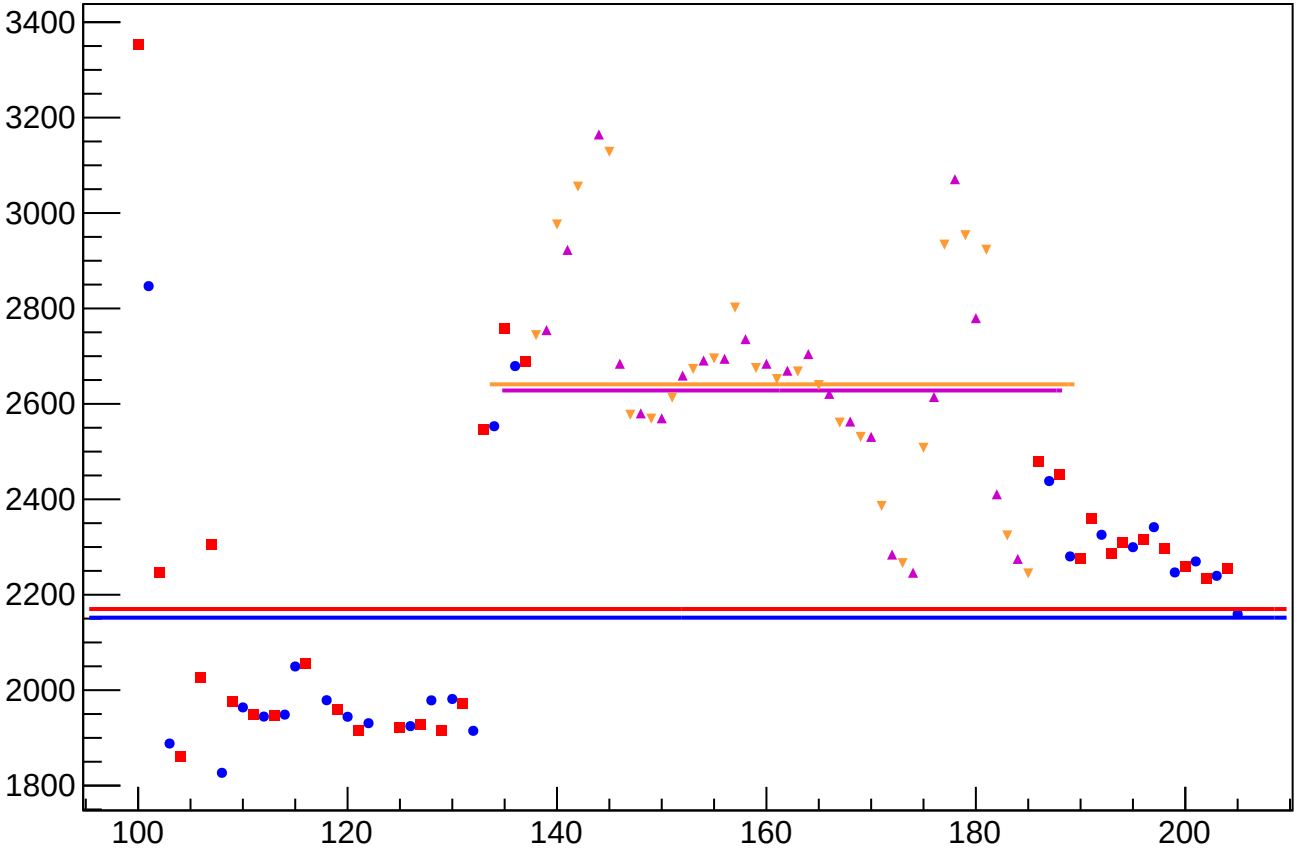
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1168.604+/-421.184 χ^2/NDF: 62.8/48

All: -770.390+/-295.609 χ^2/NDF: 141.8/100

- sign -2652.811+/-414.994 χ^2/NDF: 37.3/51

eigen_dit_asym_atl2_rms vs Slug



Right In: 2151.962+/-0.408 χ^2/NDF: 348674.1/24

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319527.3/28

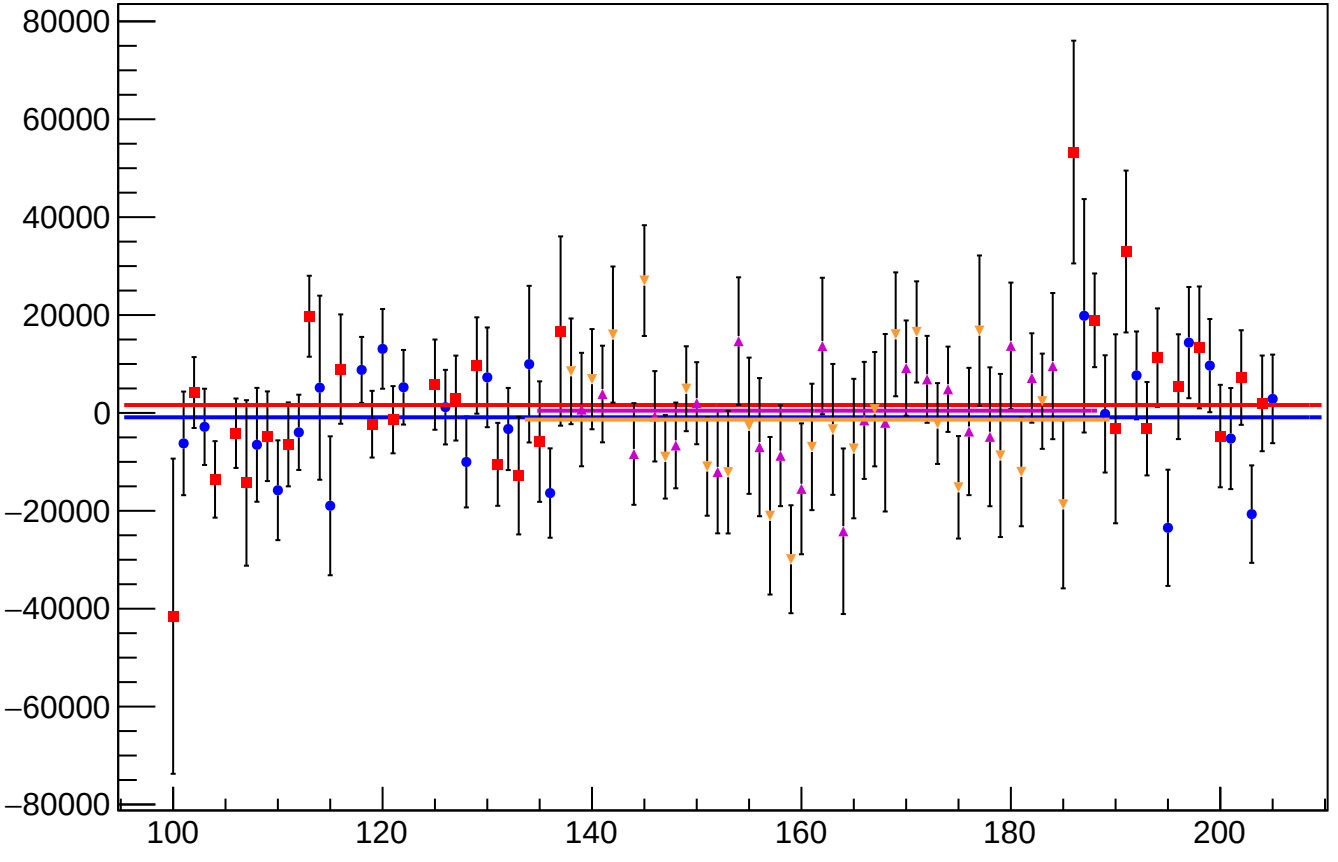
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2380.783+/-0.298 χ^2/NDF: 1273370.0/48

All: 2379.218+/-0.209 χ^2/NDF: 2434772.2/10

- sign 2377.699+/-0.293 χ^2/NDF: 1161347.7/51

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -895.279+/-1929.483 χ^2/NDF: 27.9/24

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1612.675+/-1820.663 χ^2/NDF: 34.7/28

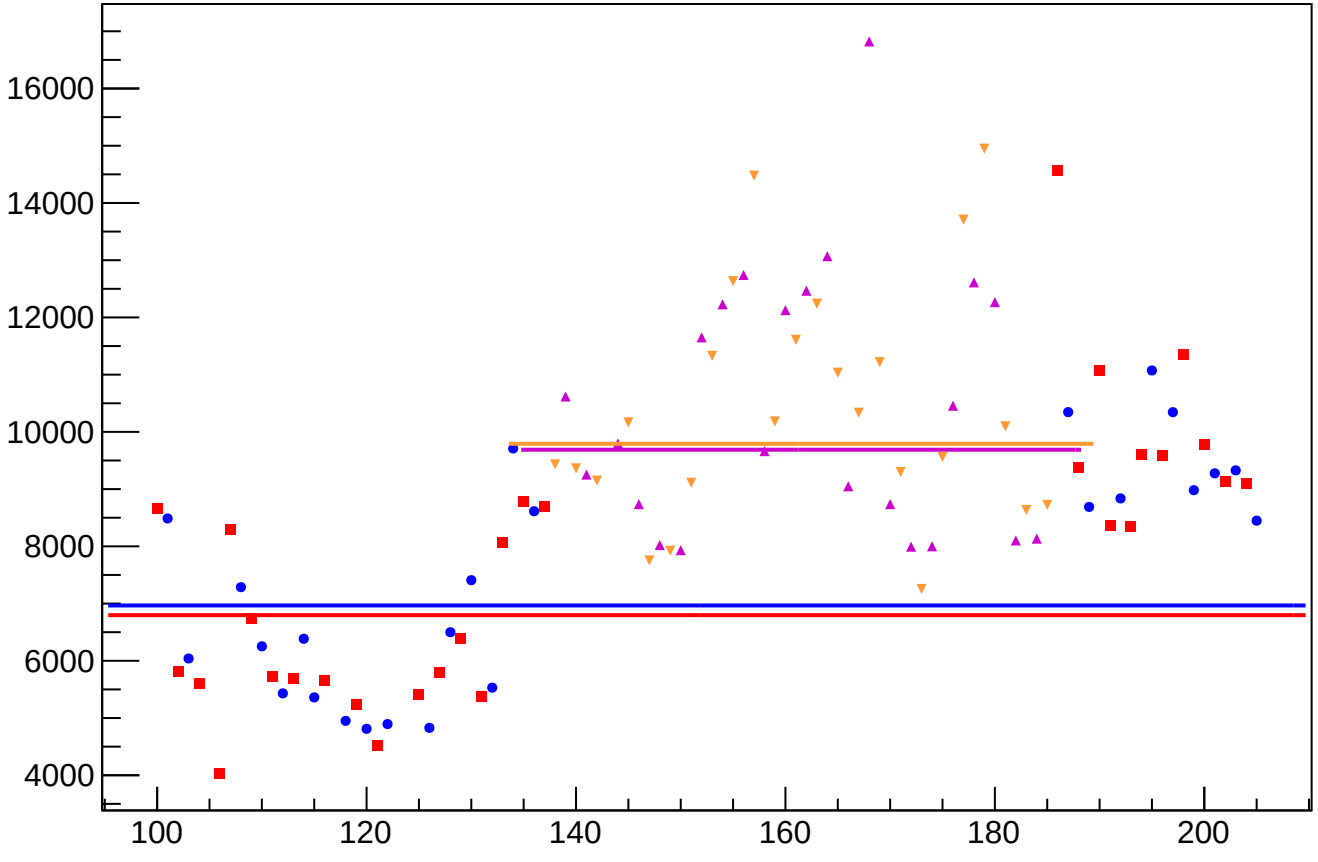
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1087.474+/-1485.122 χ^2/NDF: 59.2/48

All: 84.978+/-1030.464 χ^2/NDF: 108.4/100

- sign 1173.498+/-1430.977 χ^2/NDF: 48.0/51

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6966.878+/-1.364 χ^2/NDF: 1943571.0/24

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6797.571+/-1.287 χ^2/NDF: 2543118.1/28

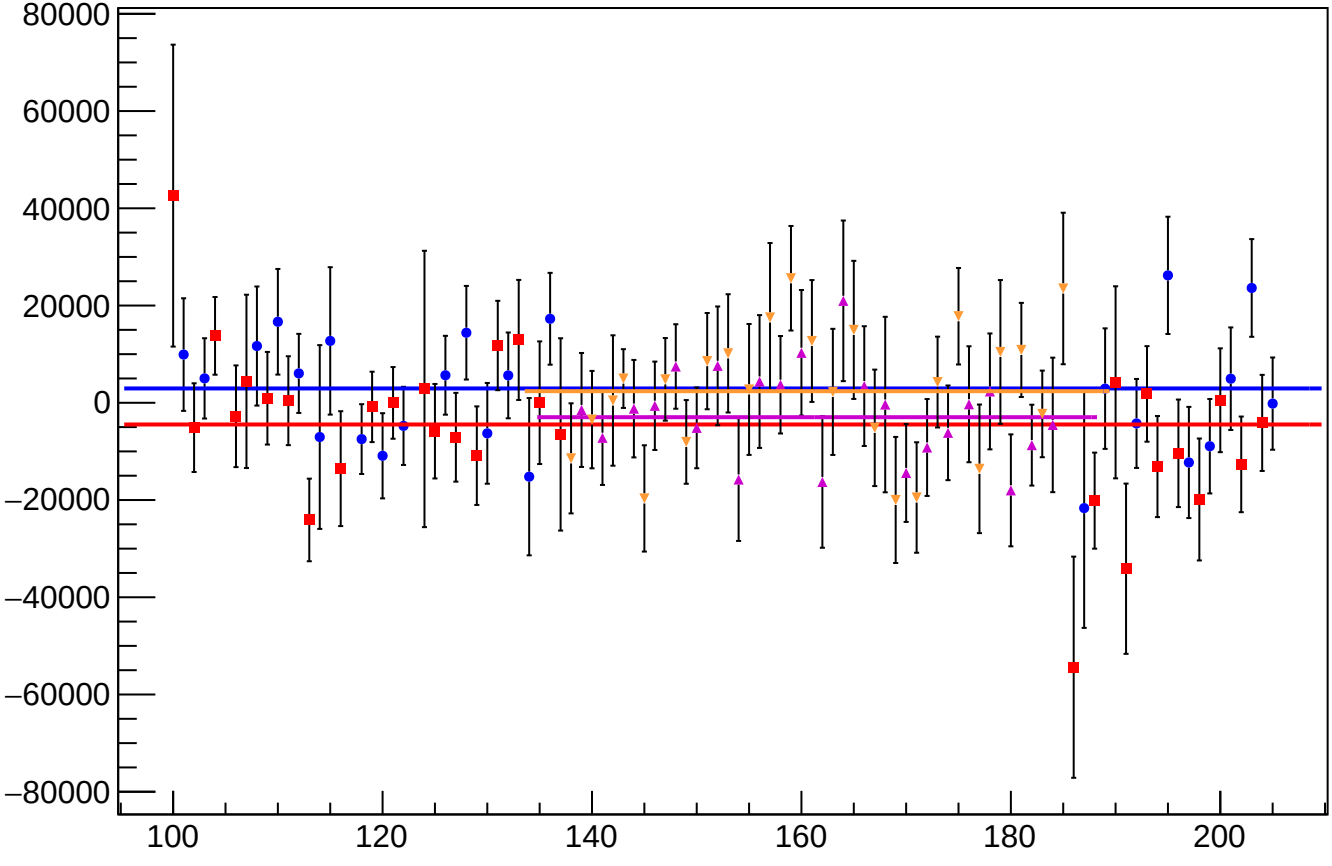
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8118.396+/-1.050 χ^2/NDF: 4910445.2/48

All: 8006.460+/-0.729 χ^2/NDF: 10780782.2/1

- sign 7902.538+/-1.012 χ^2/NDF: 5848426.9/51

asym_atl2_mean vs Slug



Right In: 2947.502+/-2016.672 χ^2/NDF: 27.8/24

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4463.987+/-1943.412 χ^2/NDF: 35.0/29

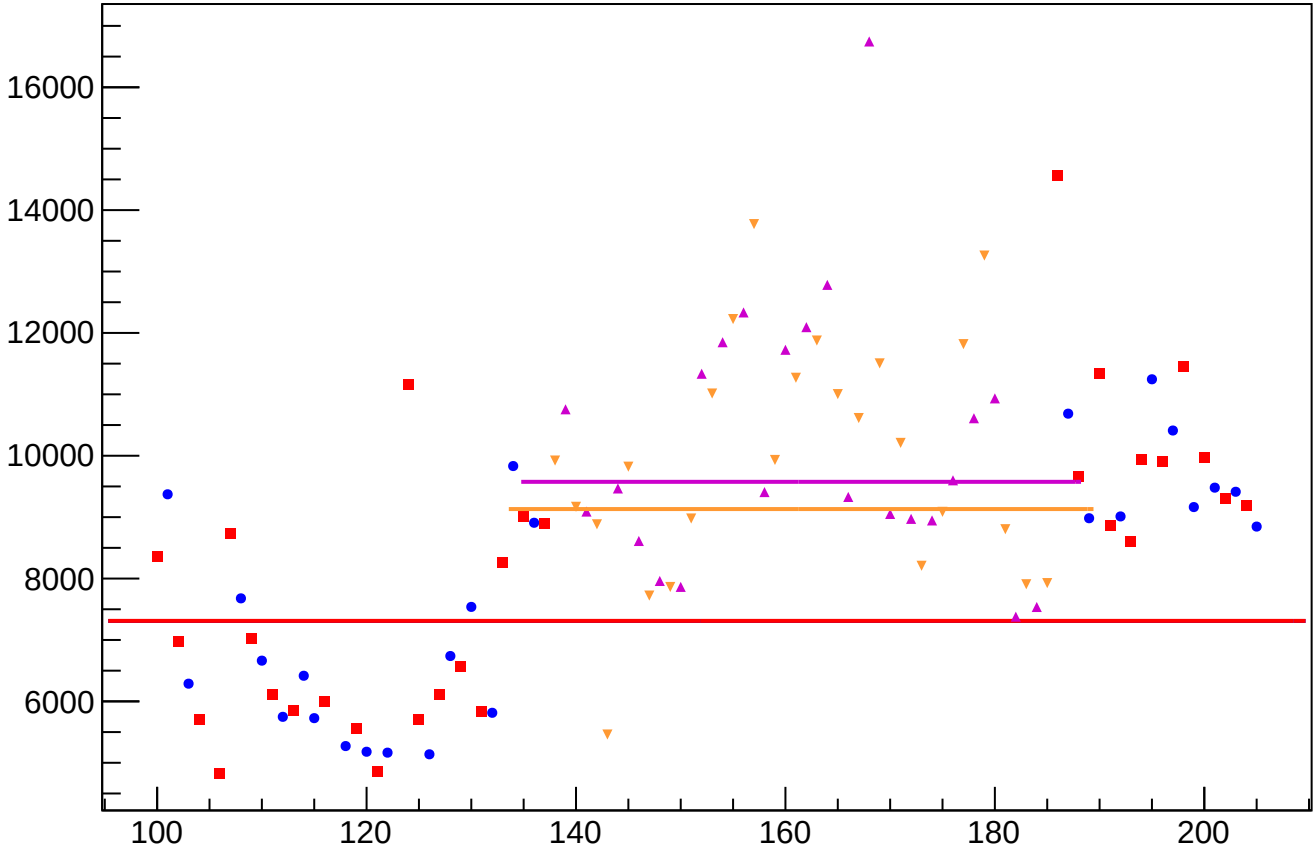
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2683.817+/-1466.545 χ^2/NDF: 57.6/49

All: -547.243+/-1041.287 χ^2/NDF: 115.6/102

- sign -3832.243+/-1478.735 χ^2/NDF: 48.2/52

asym_atl2_rms vs Slug



Right In: 7308.926+/-1.426 χ^2/NDF: 1740720.3/24

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

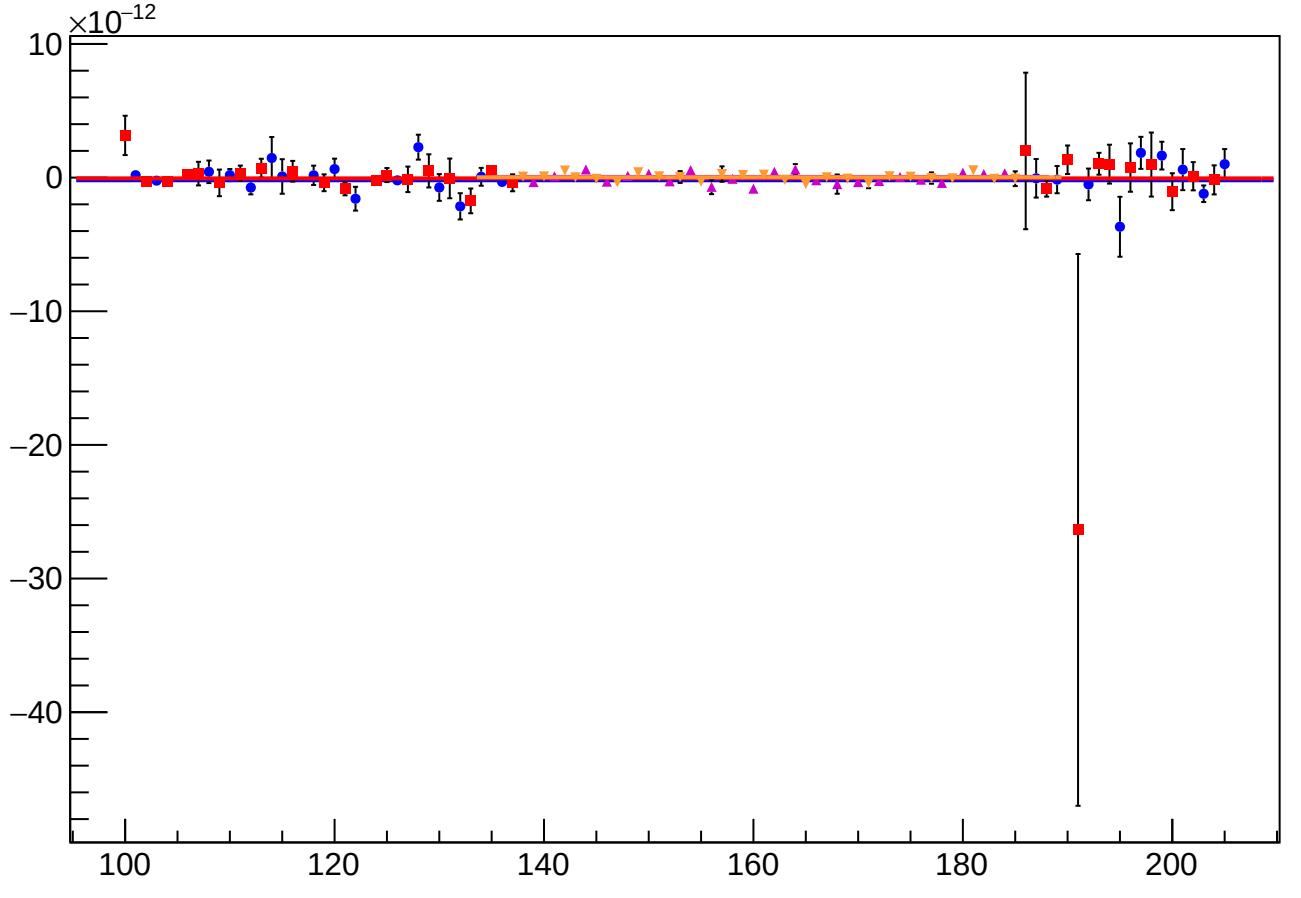
Right Out: 7310.797+/-1.374 χ^2/NDF: 2104386.1/29

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8167.758+/-1.037 χ^2/NDF: 4322230.1/49

All: 8215.583+/-0.736 χ^2/NDF: 8727957.3/10

- sign 8264.206+/-1.046 χ^2/NDF: 4401437.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

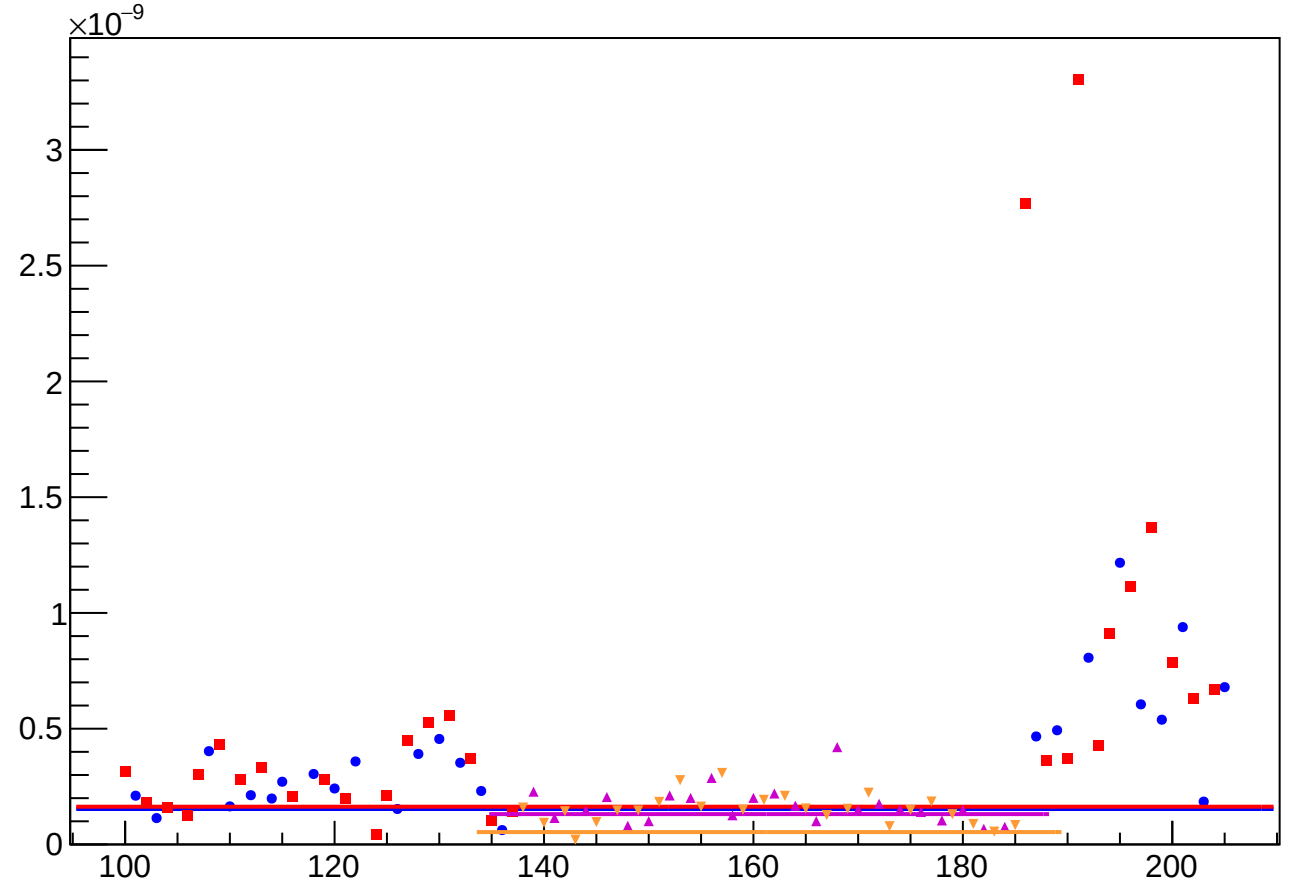
Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/49

All: 0.000+/-0.000 χ^2/NDF: 123.6/102

- sign 0.000+/-0.000 χ^2/NDF: 66.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 4744800.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6234287.2/29

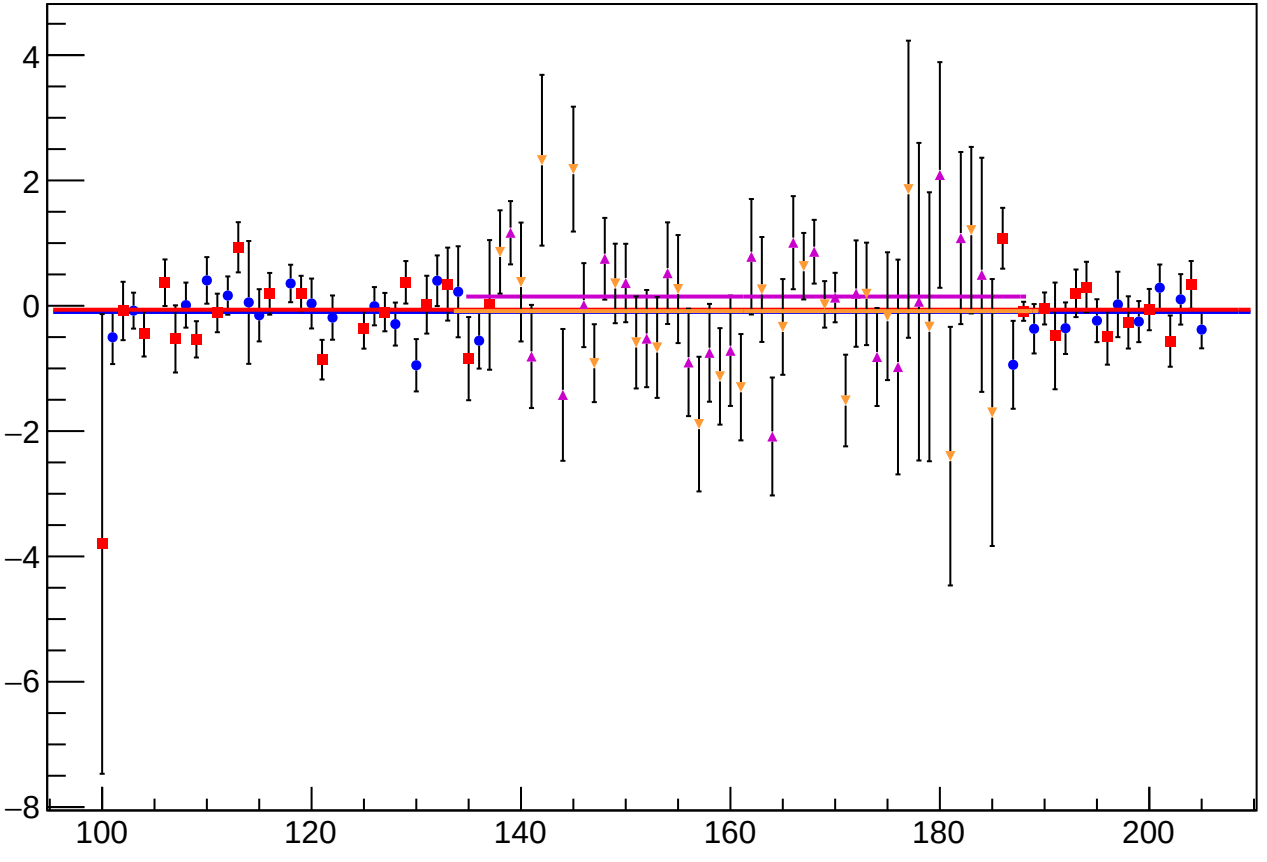
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14112664.3/49

All: 0.000+/-0.000 χ^2/NDF: 26322848.8/102

- sign 0.000+/-0.000 χ^2/NDF: 8315769.5/52

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

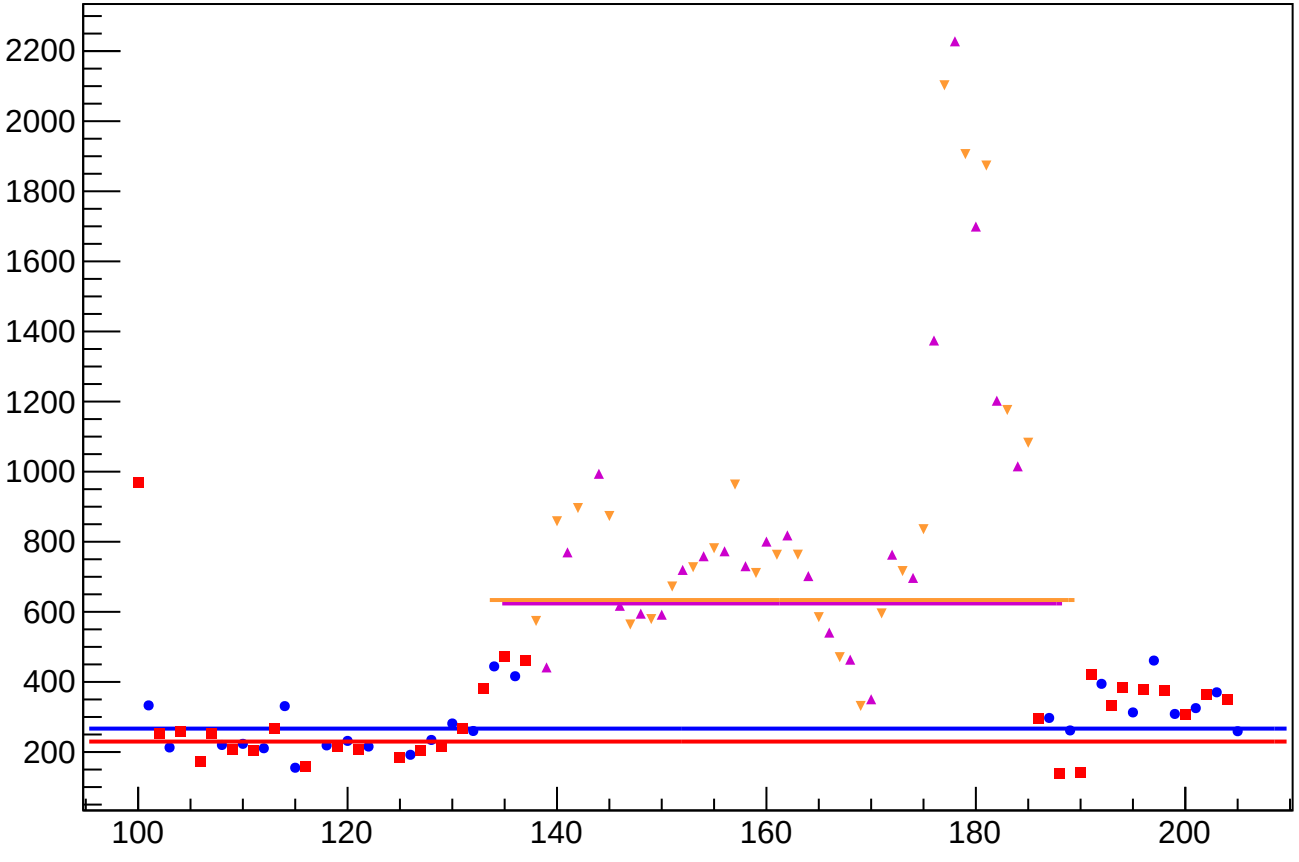
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.060+/-0.045 χ^2/NDF: 113.3/100

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

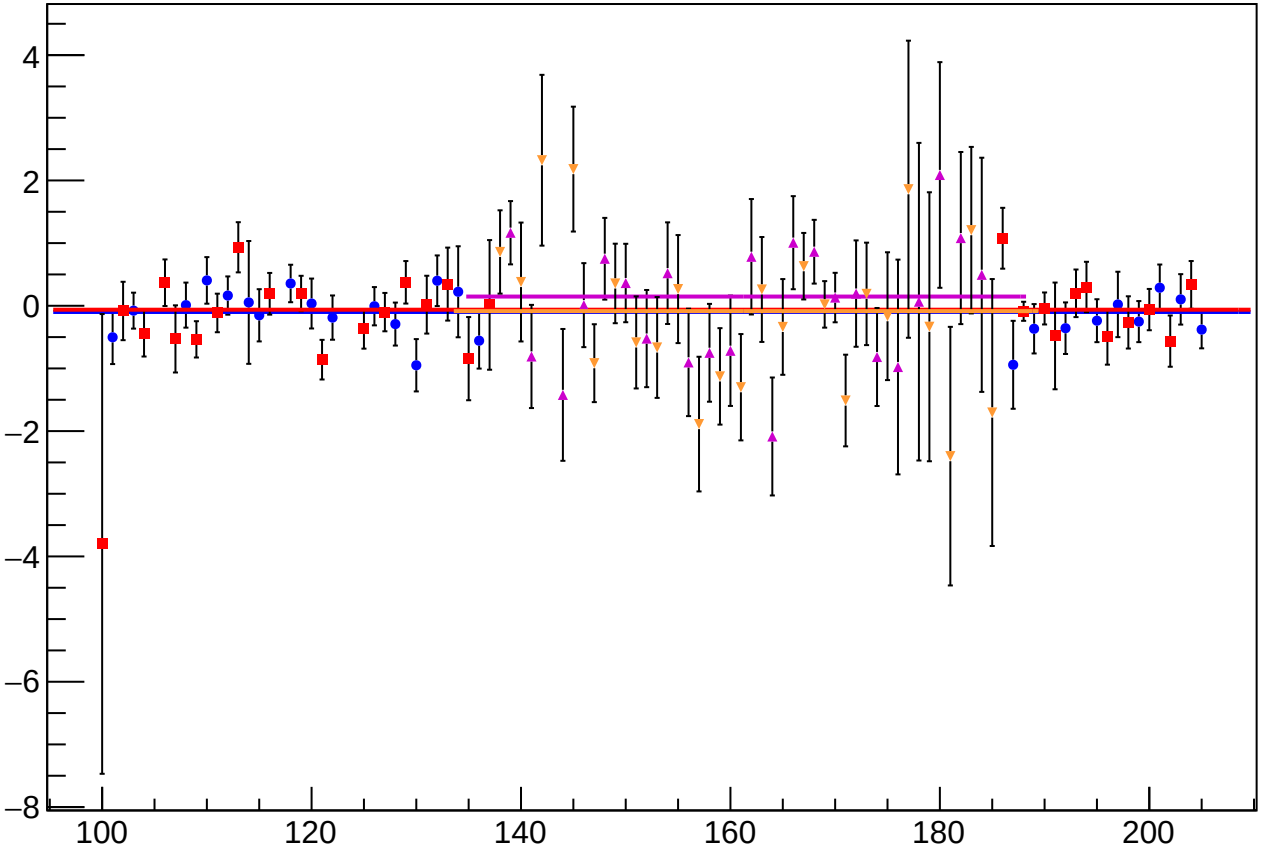
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177097.8/48

All: 307.350+/-0.032 χ^2/NDF: 34223614.5/10

- sign 287.377+/-0.043 χ^2/NDF: 18547167.1/51

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

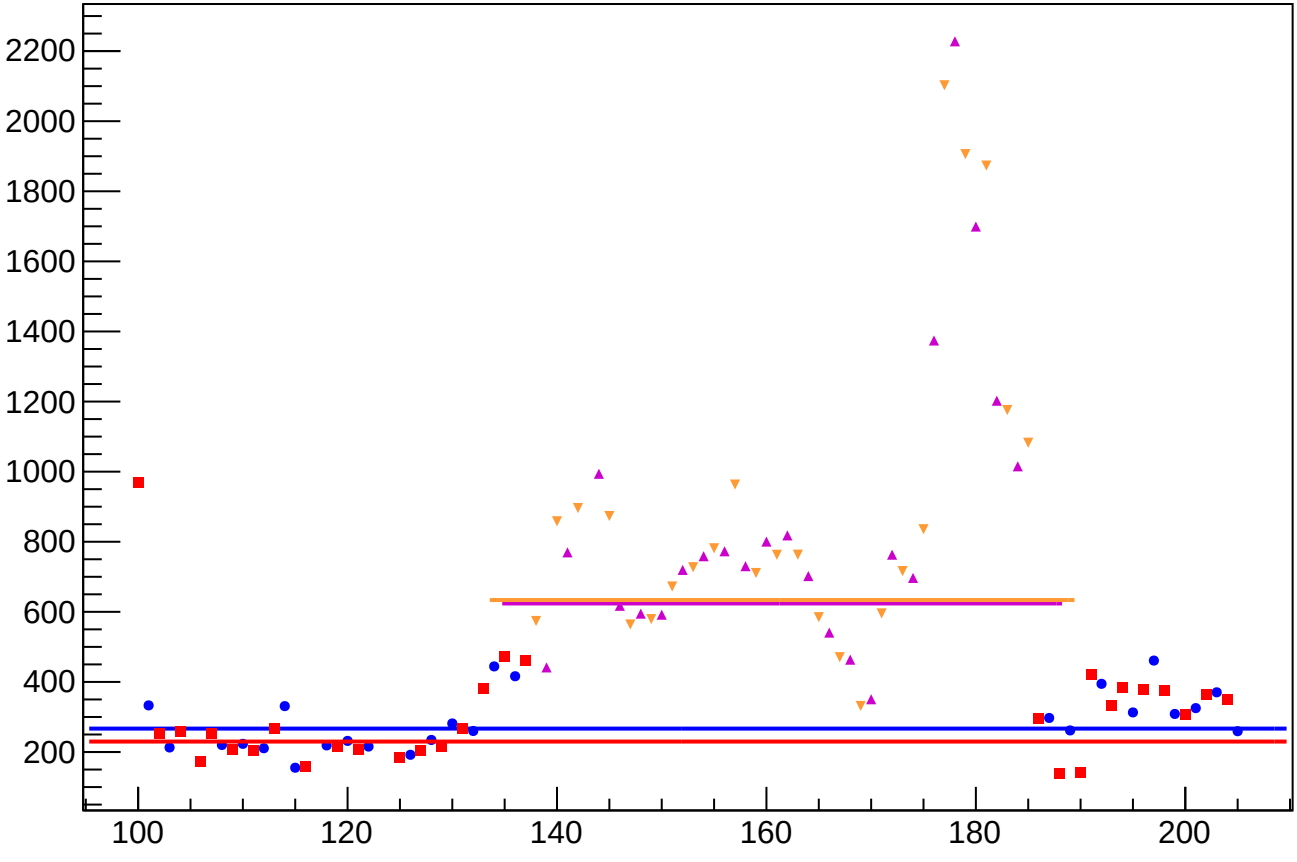
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.060+/-0.045 χ^2/NDF: 113.3/100

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

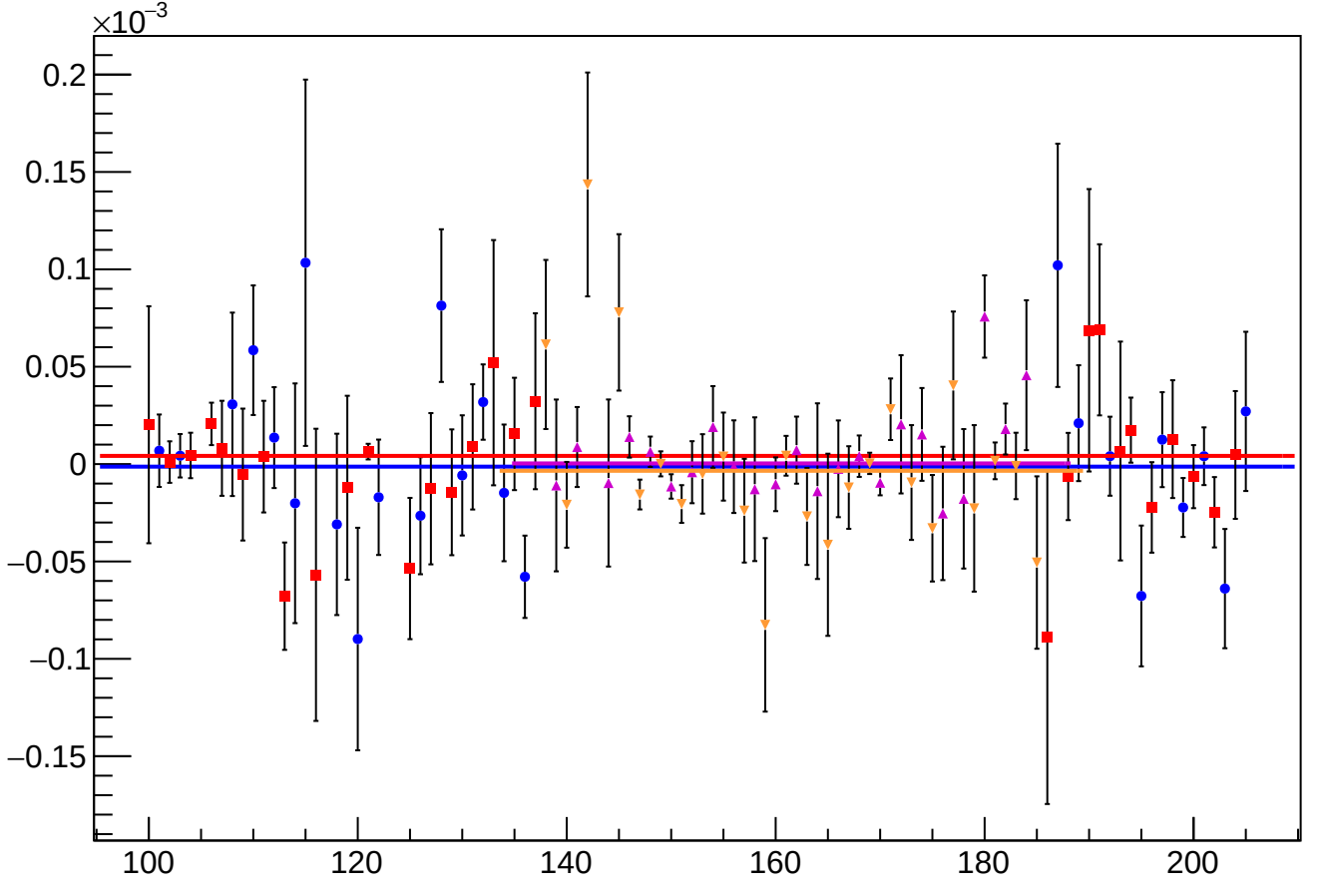
Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177097.8/48

All: 307.350+/-0.032 χ^2/NDF: 34223614.5/10

- sign 287.377+/-0.043 χ^2/NDF: 18547167.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/28

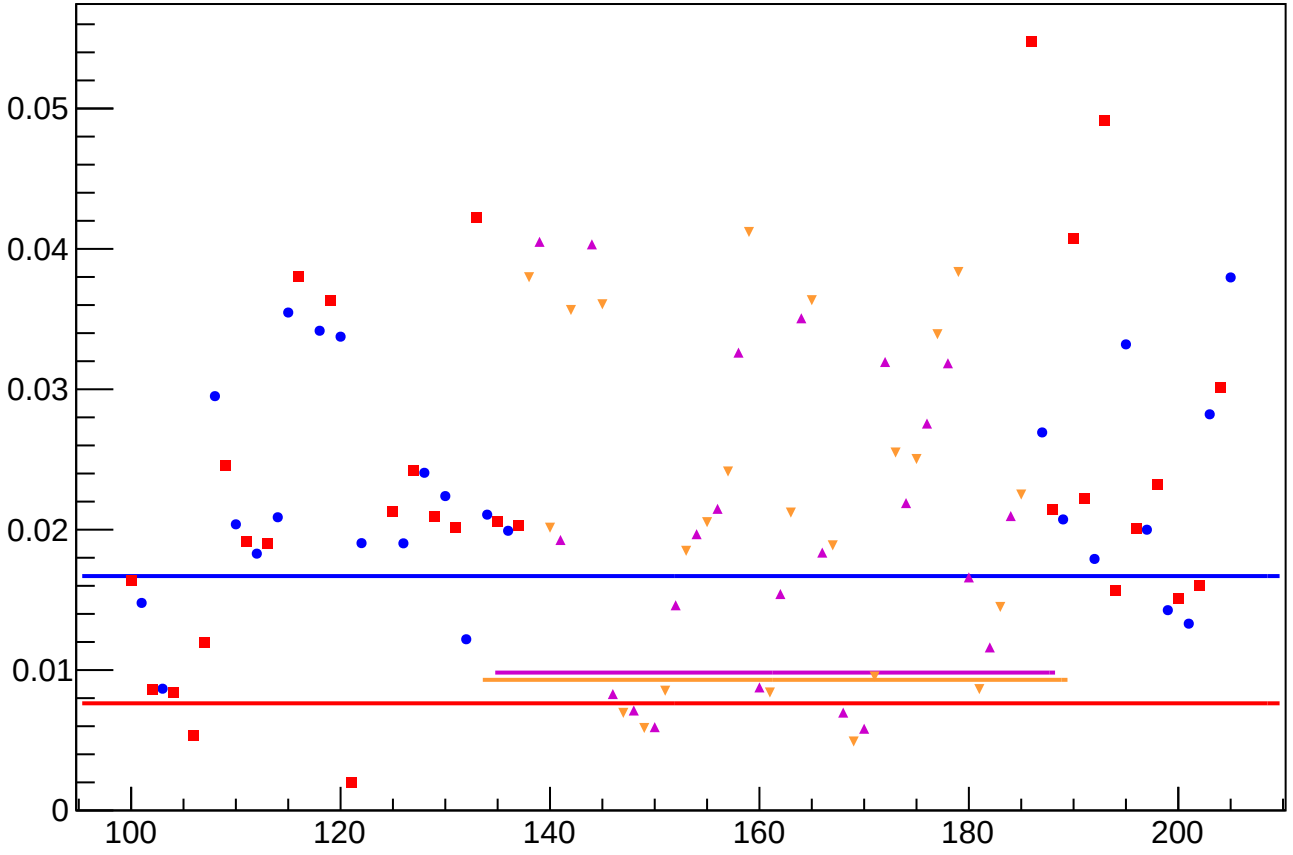
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.5/48

All: 0.000+/-0.000 χ^2/NDF: 128.0/100

- sign 0.000+/-0.000 χ^2/NDF: 52.8/51

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 3667613.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 15274801.9/28

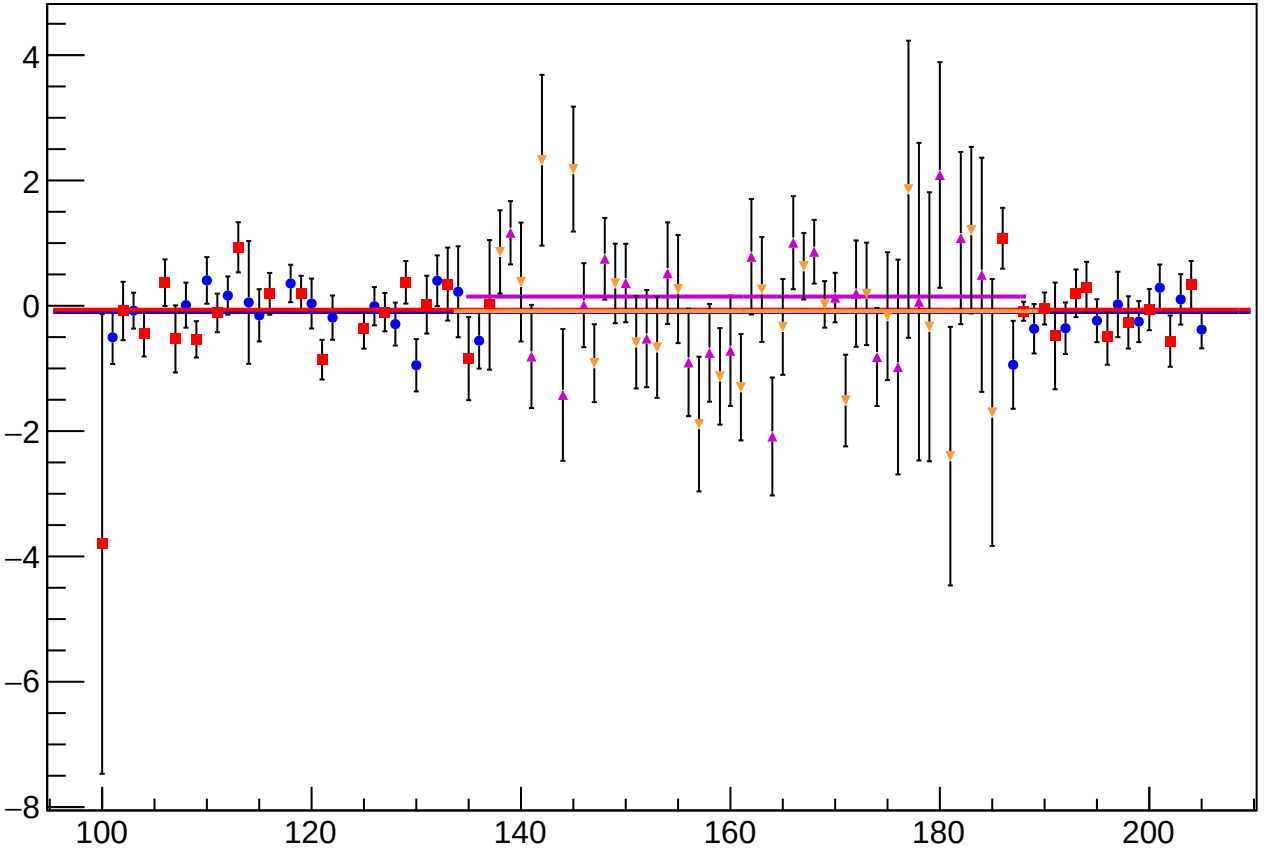
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 19337564.8/48

All: 0.010+/-0.000 χ^2/NDF: 46559796.7/100

- sign 0.009+/-0.000 χ^2/NDF: 26143632.3/51

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

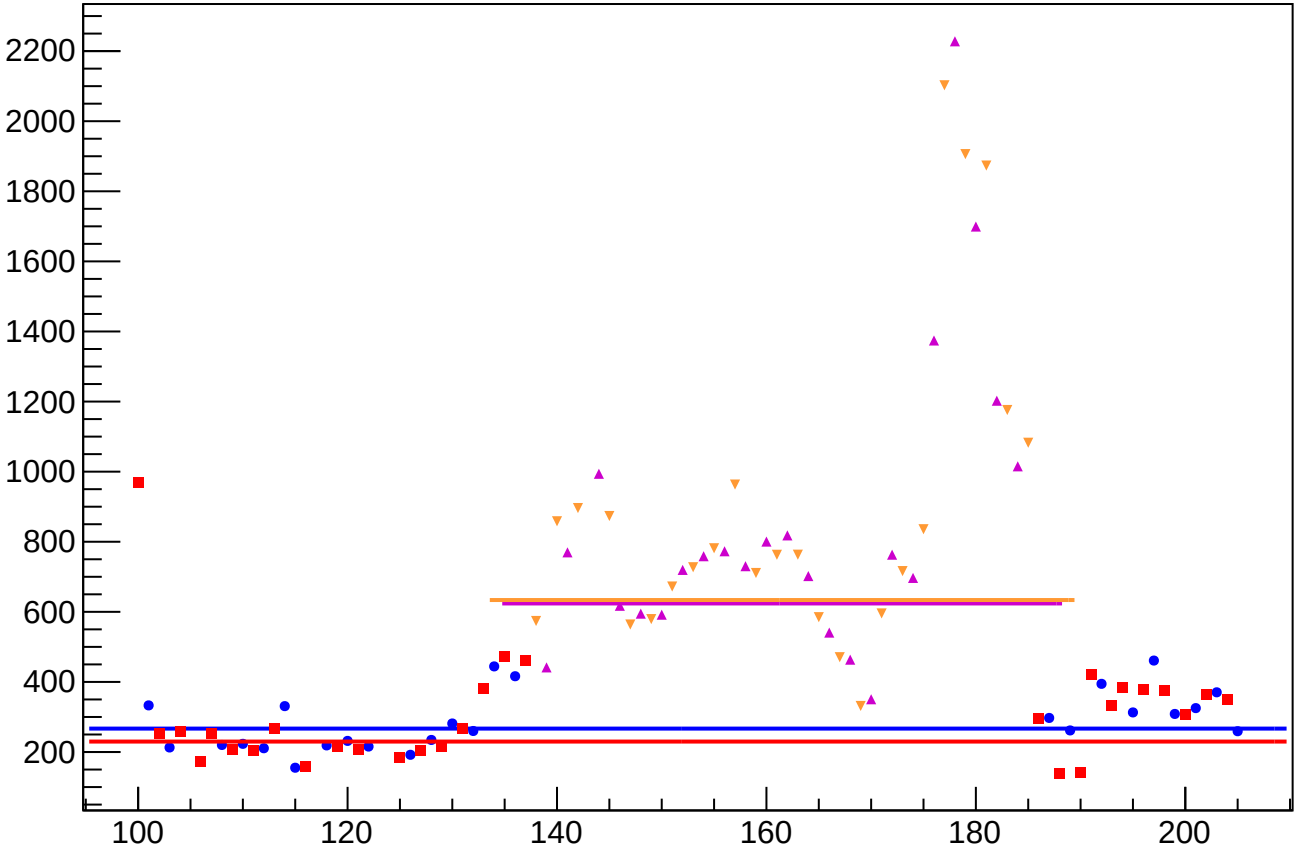
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.060+/-0.045 χ^2/NDF: 113.3/100

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

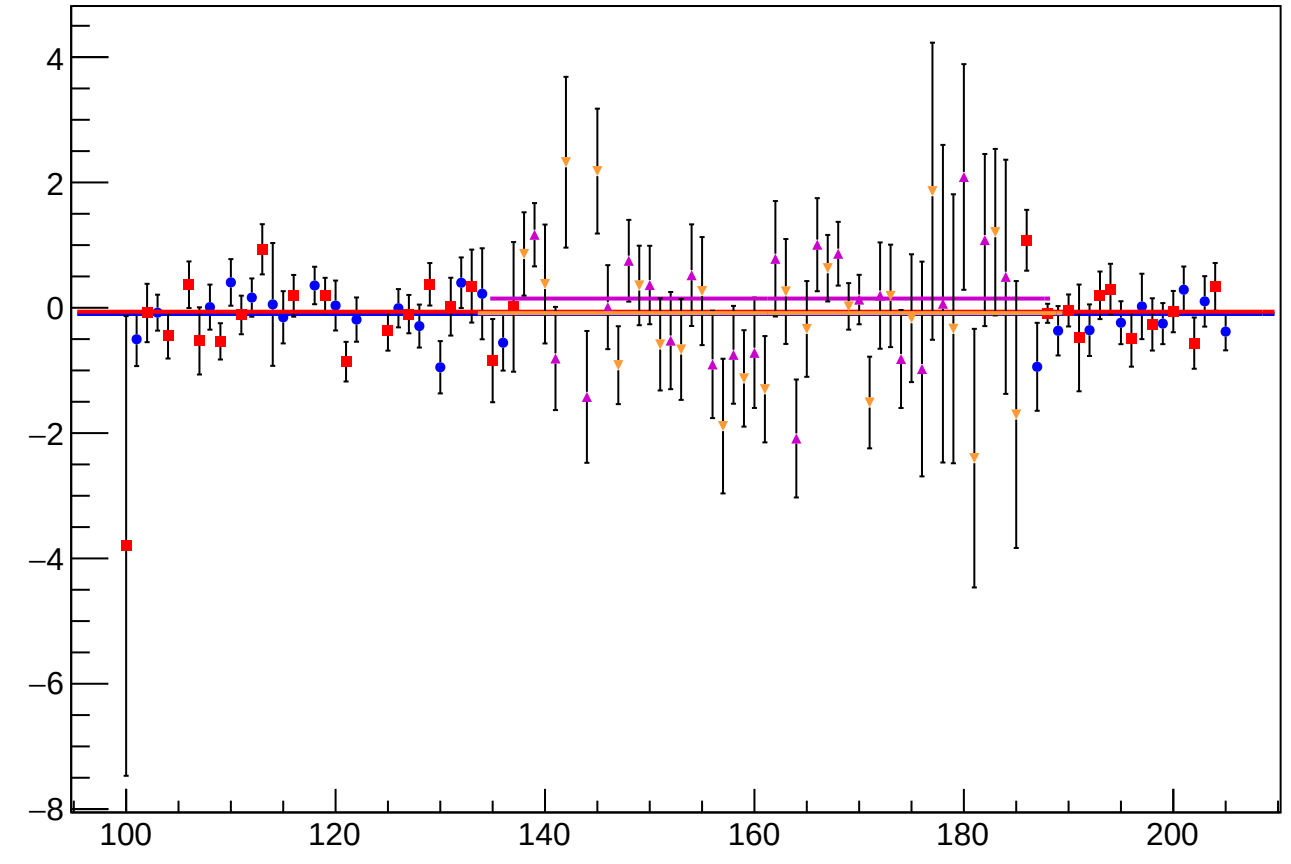
Right Out: 229.838+/-0.046 χ^2/NDF: 3409258.4/28

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177187.8/48

All: 307.349+/-0.032 χ^2/NDF: 34224217.9/10

- sign 287.374+/-0.043 χ^2/NDF: 18547608.8/51



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.063+/-0.065 χ^2/NDF: 36.3/28

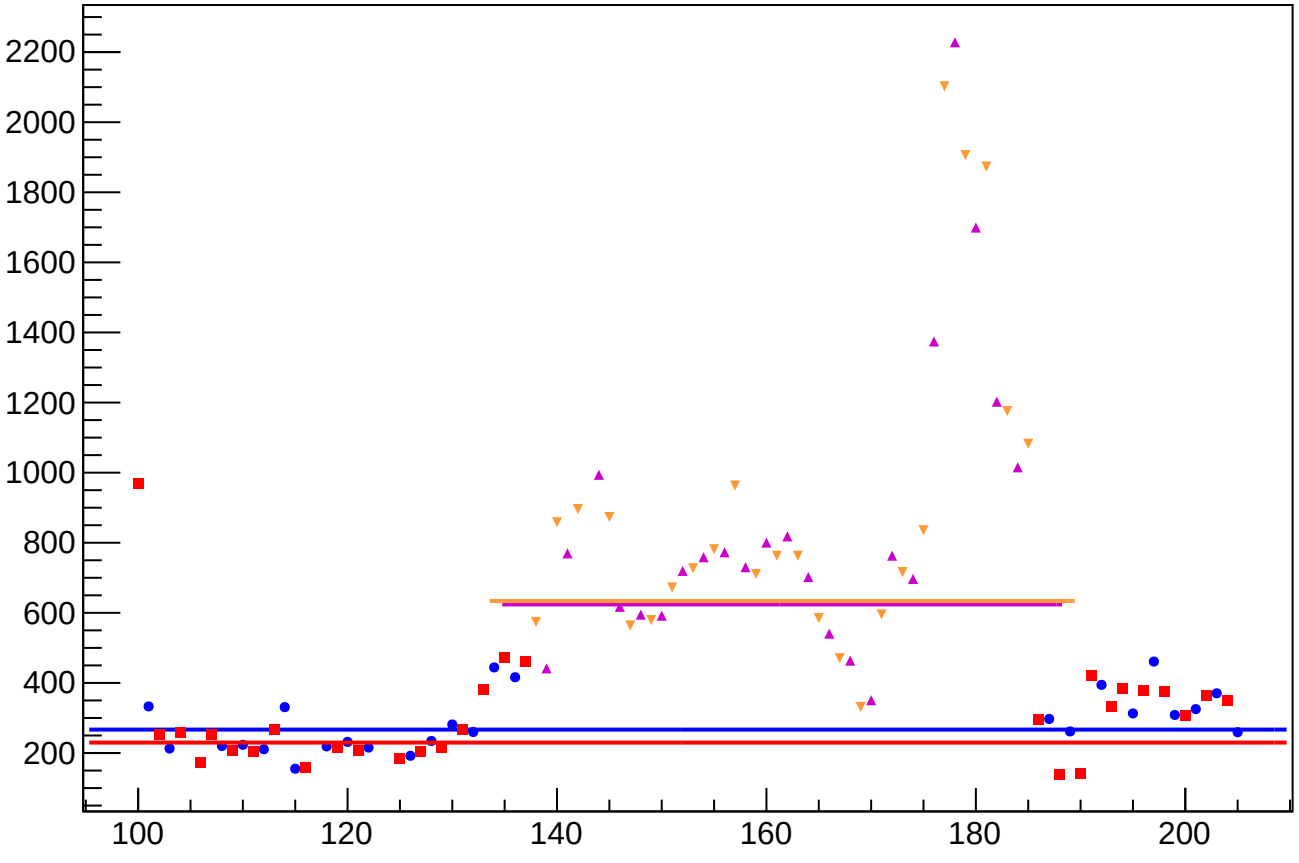
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.060+/-0.045 χ^2/NDF: 113.3/100

- sign -0.032+/-0.060 χ^2/NDF: 64.2/51

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.838+/-0.046 χ^2/NDF: 3409258.4/28

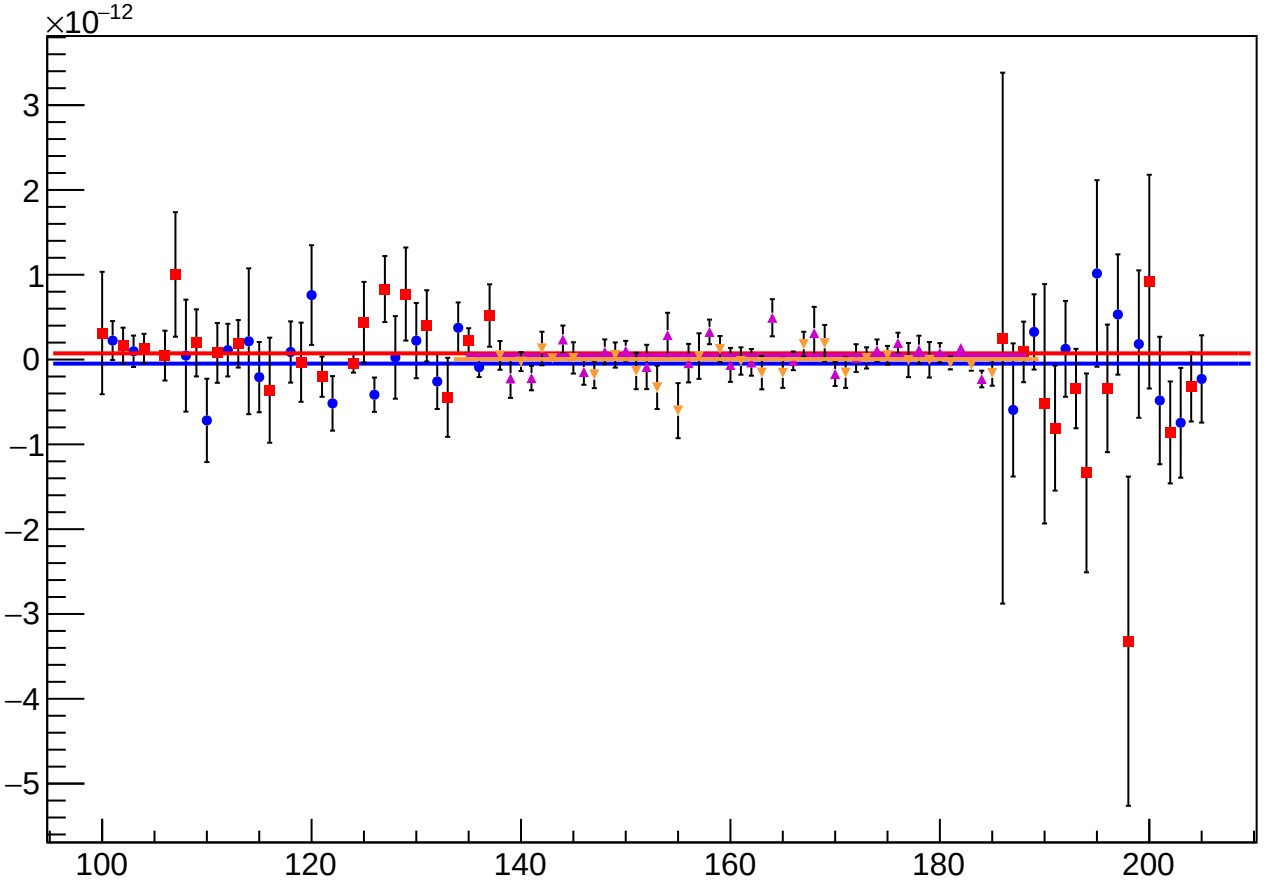
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177187.8/48

All: 307.349+/-0.032 χ^2/NDF: 34224217.9/10

- sign 287.374+/-0.043 χ^2/NDF: 18547608.8/51

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

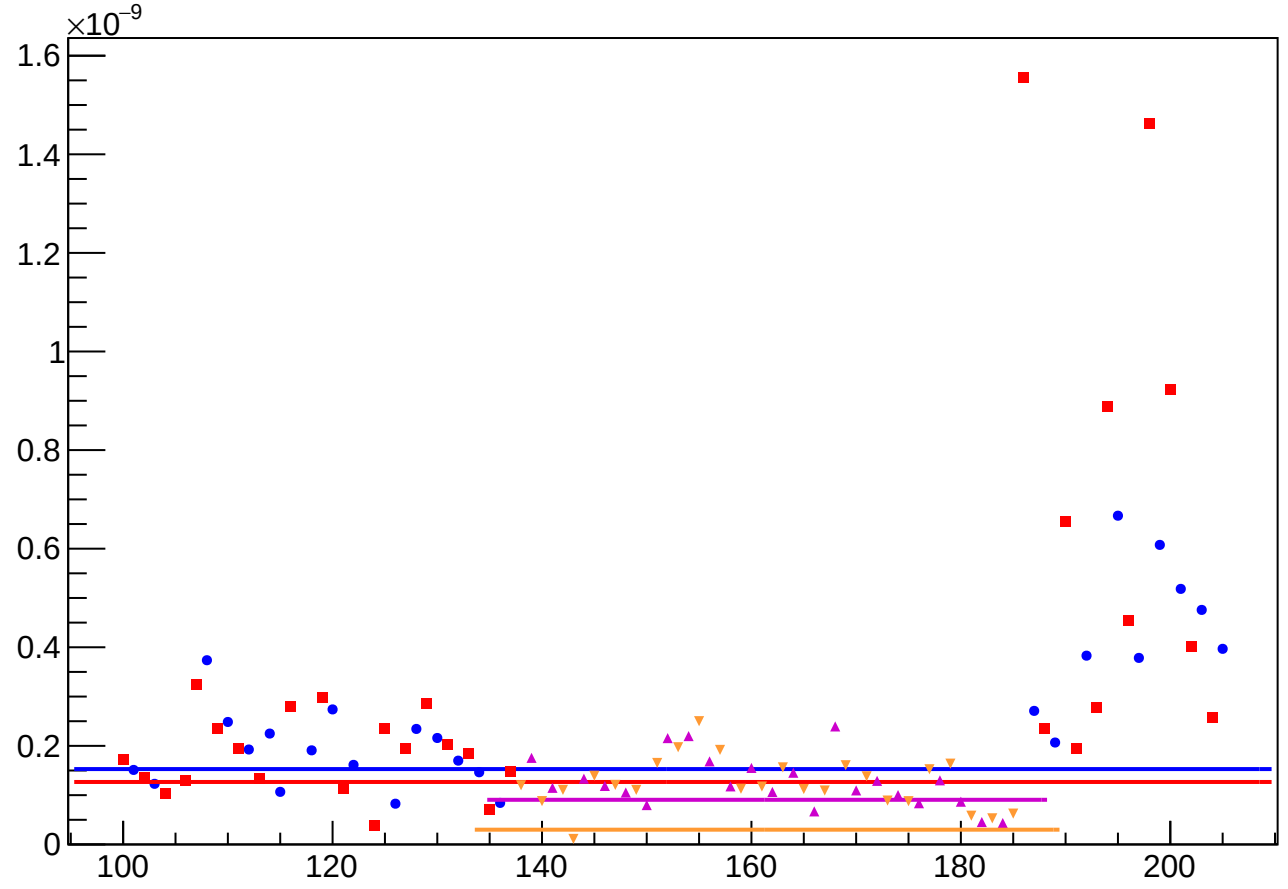
Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/29

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/49

All: 0.000+/-0.000 χ^2/NDF: 99.5/102

- sign 0.000+/-0.000 χ^2/NDF: 60.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 4574578.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584194.8/29

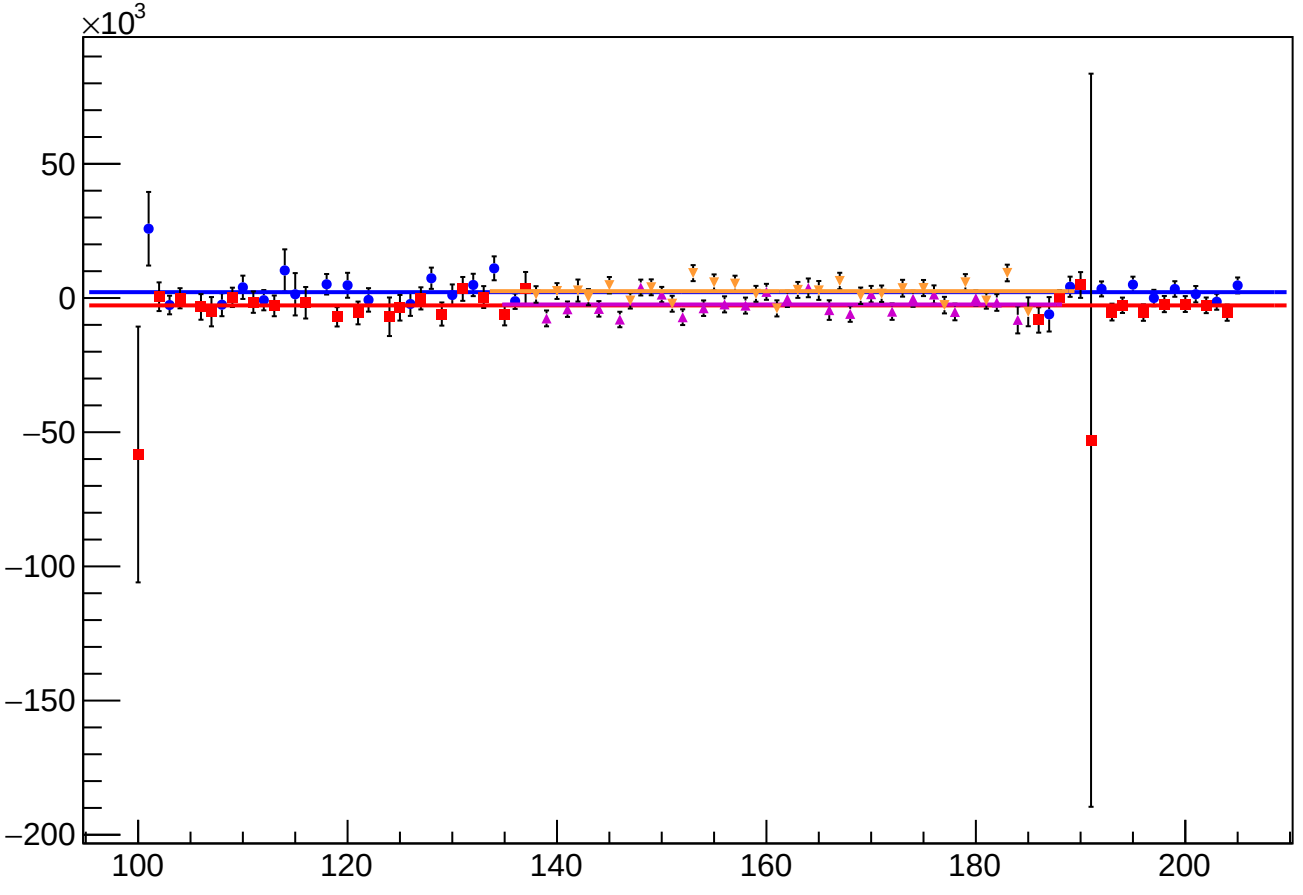
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28826238.3/49

All: 0.000+/-0.000 χ^2/NDF: 51487762.0/102

- sign 0.000+/-0.000 χ^2/NDF: 12959928.1/52

reg_asym_atr1_mean vs Slug



Right In: 2187.844+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2749.362+/-721.849 χ^2/NDF: 18.0/29

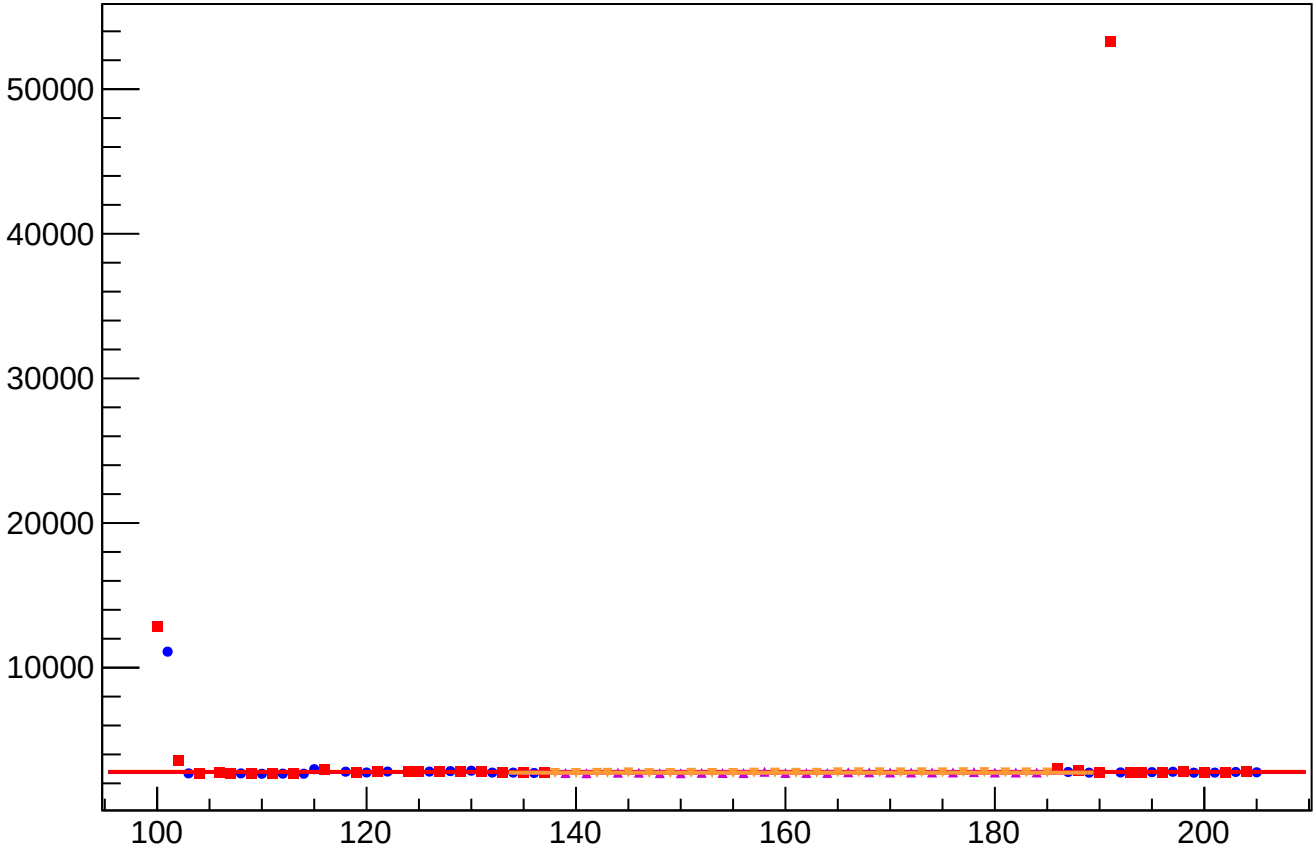
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.861+/-479.078 χ^2/NDF: 55.5/49

All: -77.348+/-338.650 χ^2/NDF: 158.7/102

- sign -2558.346+/-478.768 χ^2/NDF: 49.5/52

reg_asym_atr1_rms vs Slug



Right In: 2784.977+/-0.531 χ^2/NDF: 748490.2/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.345+/-0.510 χ^2/NDF: 479217.6/29

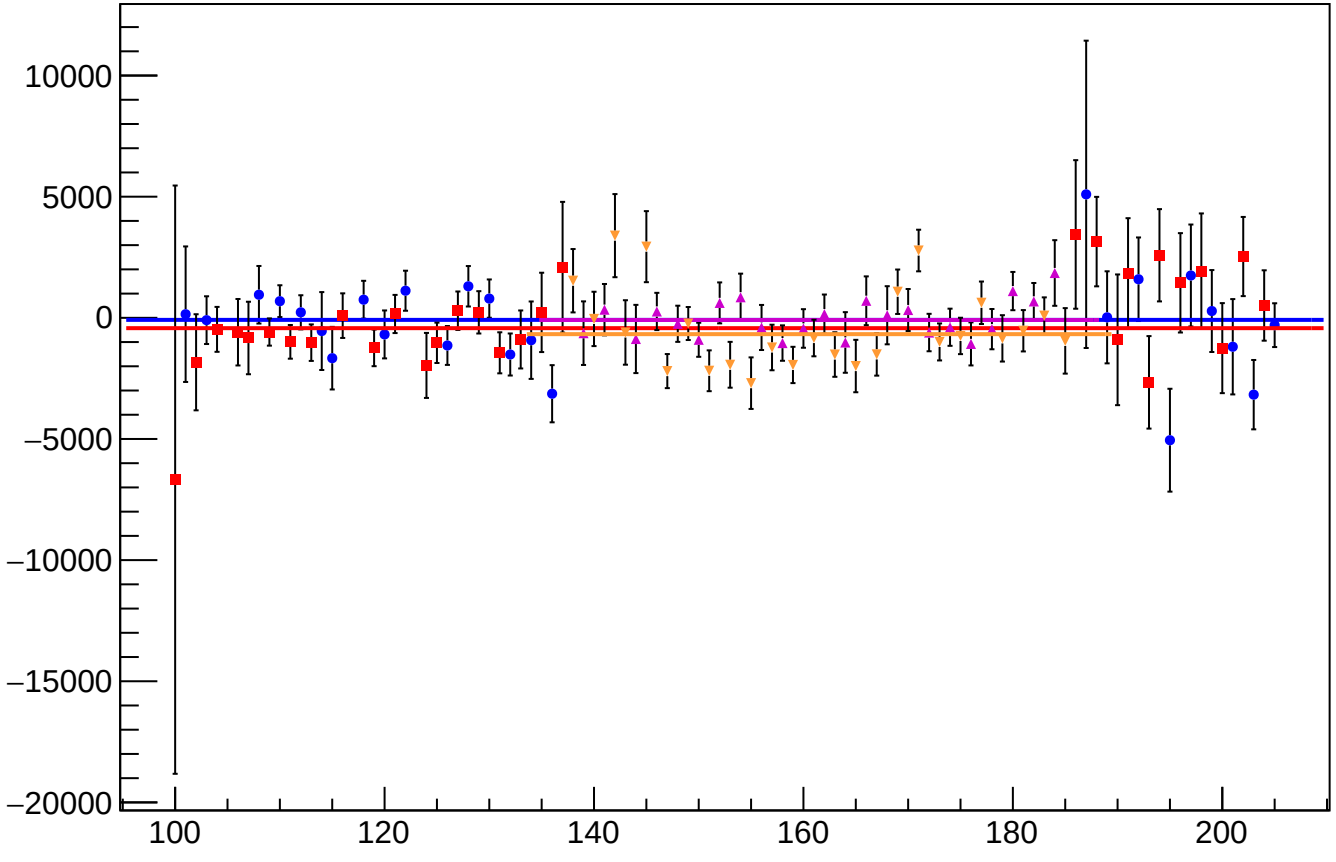
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.807+/-0.339 χ^2/NDF: 755542.5/49

All: 2760.101+/-0.239 χ^2/NDF: 1244460.2/10

- sign 2763.390+/-0.339 χ^2/NDF: 488728.7/52

asym_atr1_reg_correction_mean vs Slug



Right In: -84.549+/-214.418 χ^2/NDF: 35.9/24

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -426.703+/-202.967 χ^2/NDF: 26.0/29

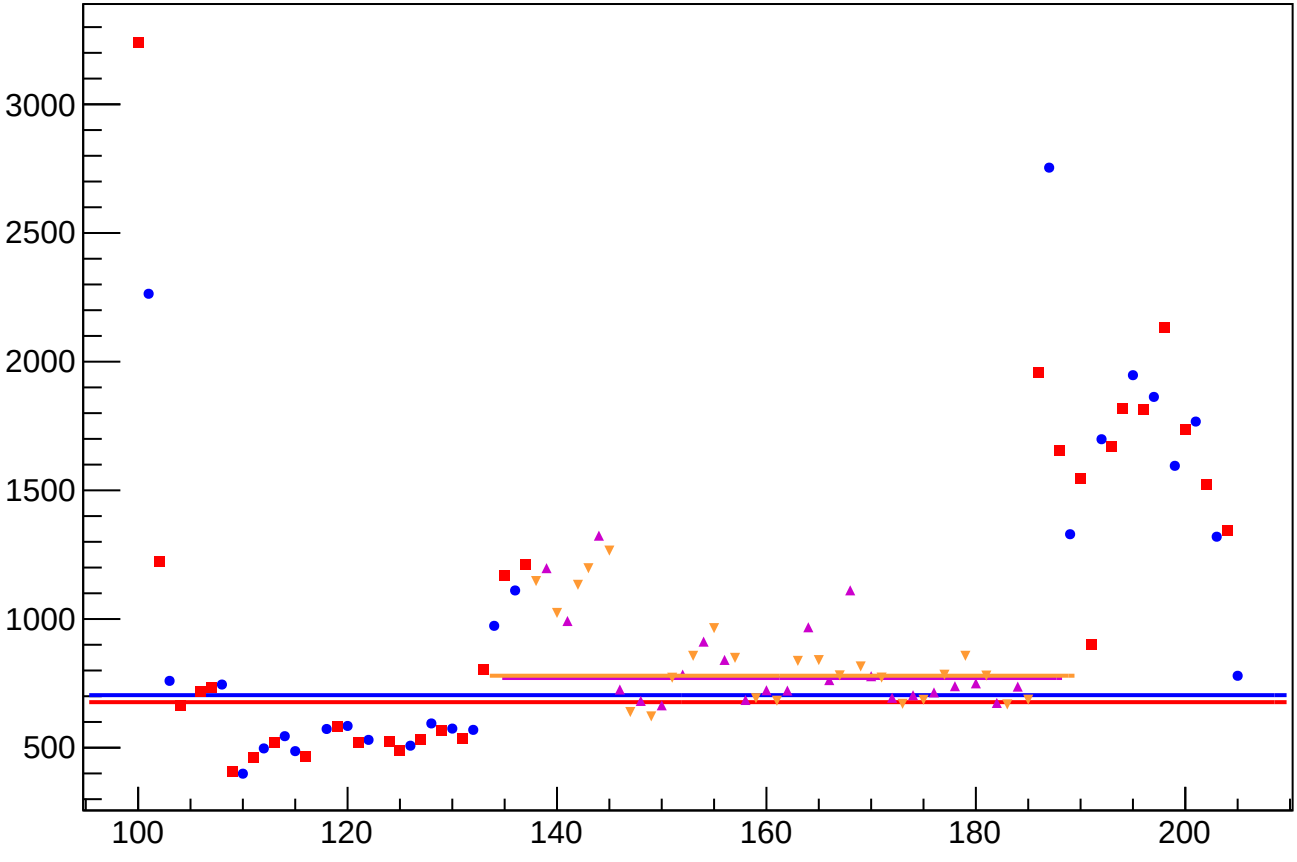
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -428.194+/-138.413 χ^2/NDF: 98.6/49

All: -333.112+/-97.050 χ^2/NDF: 141.9/102

- sign -241.161+/-136.114 χ^2/NDF: 42.3/52

asym_atr1_reg_correction_rms vs Slug



Right In: 704.181+/-0.152 χ^2/NDF: 5944371.4/24

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.992+/-0.144 χ^2/NDF: 7127010.8/29

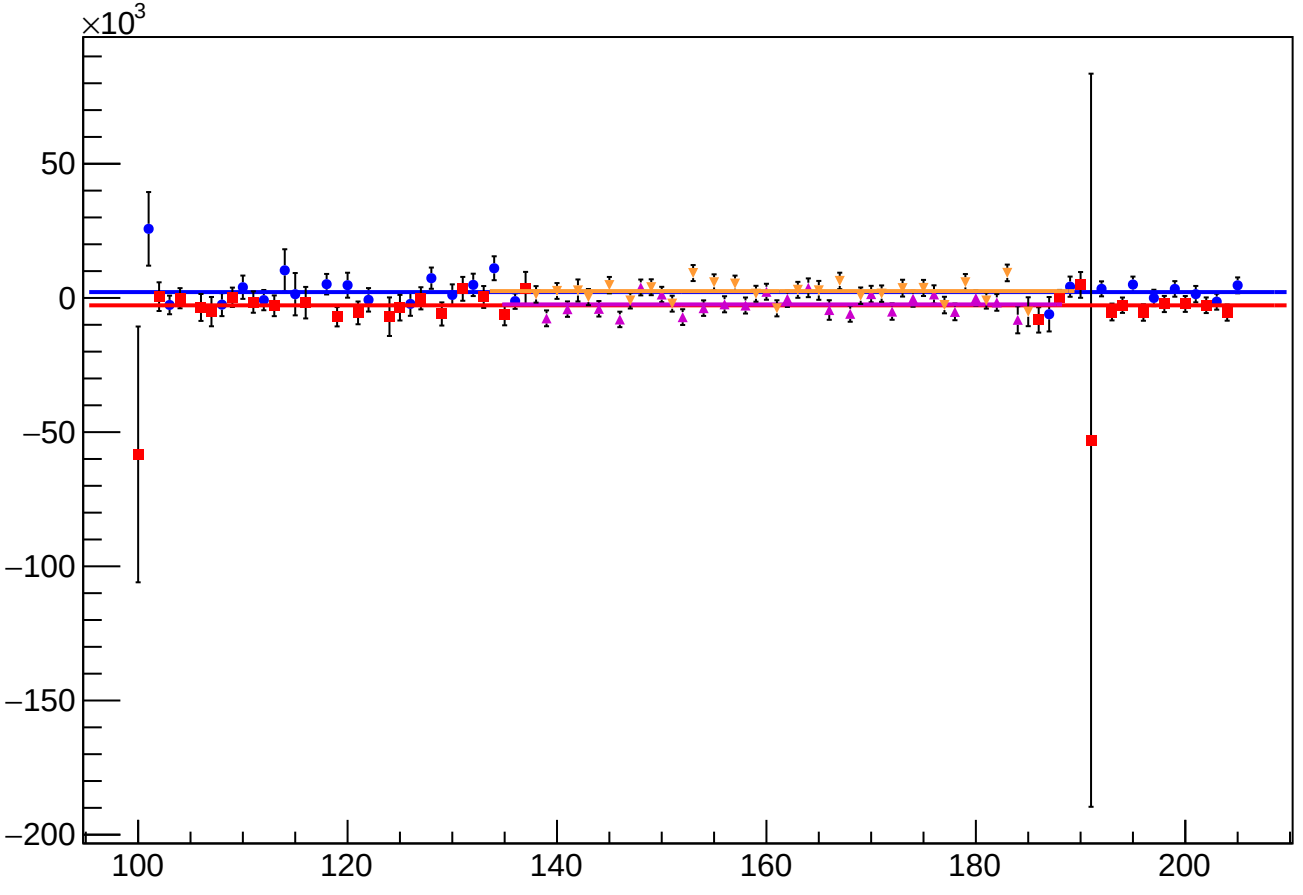
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 748.240+/-0.098 χ^2/NDF: 7332885.7/49

All: 738.260+/-0.069 χ^2/NDF: 15791766.7/10

- sign 728.609+/-0.096 χ^2/NDF: 8438428.7/52

cor_asym_atr1_mean vs Slug



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2752.951+/-722.656 χ^2/NDF: 18.0/29

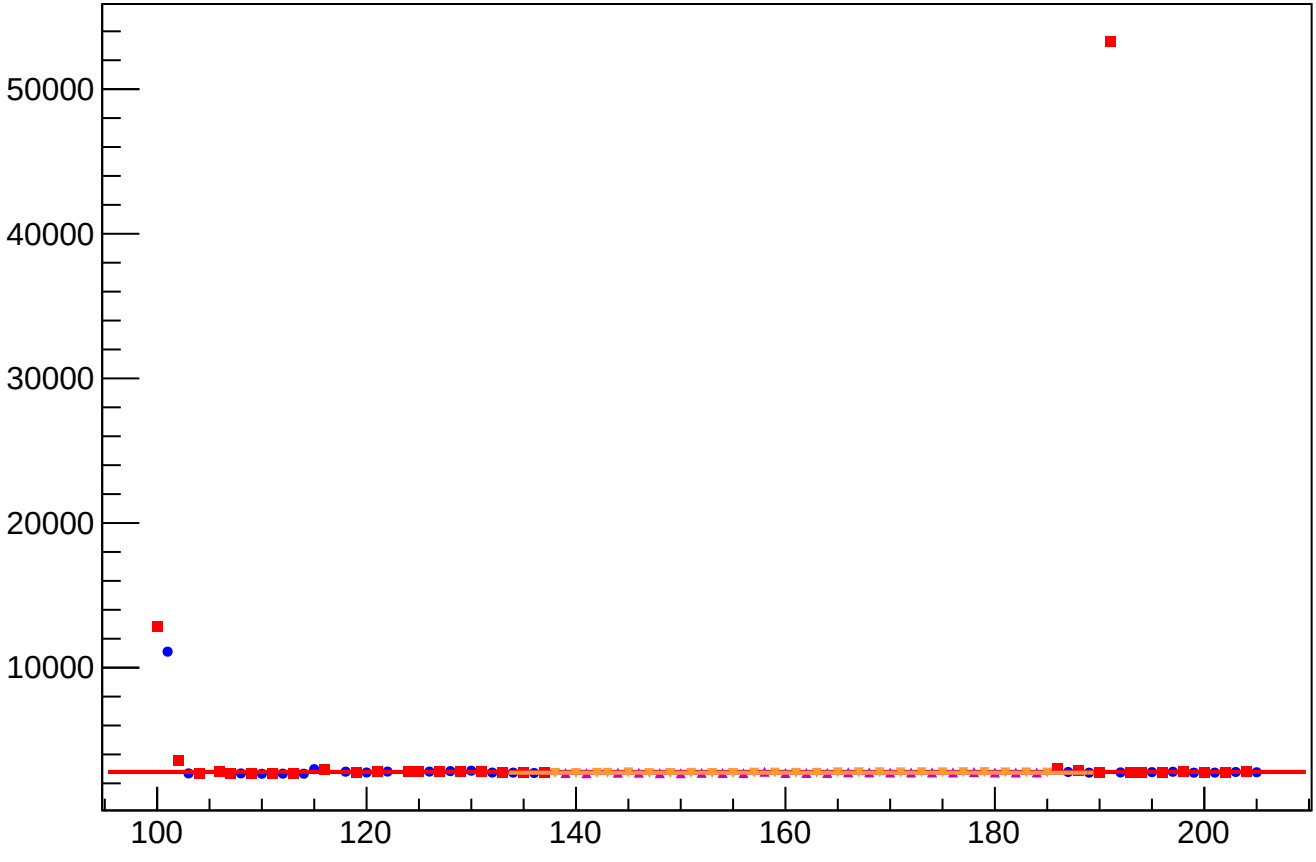
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.706+/-479.078 χ^2/NDF: 55.5/49

All: -76.941+/-338.733 χ^2/NDF: 158.7/102

- sign -2559.814+/-479.004 χ^2/NDF: 49.5/52

cor_asym_atr1_rms vs Slug



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

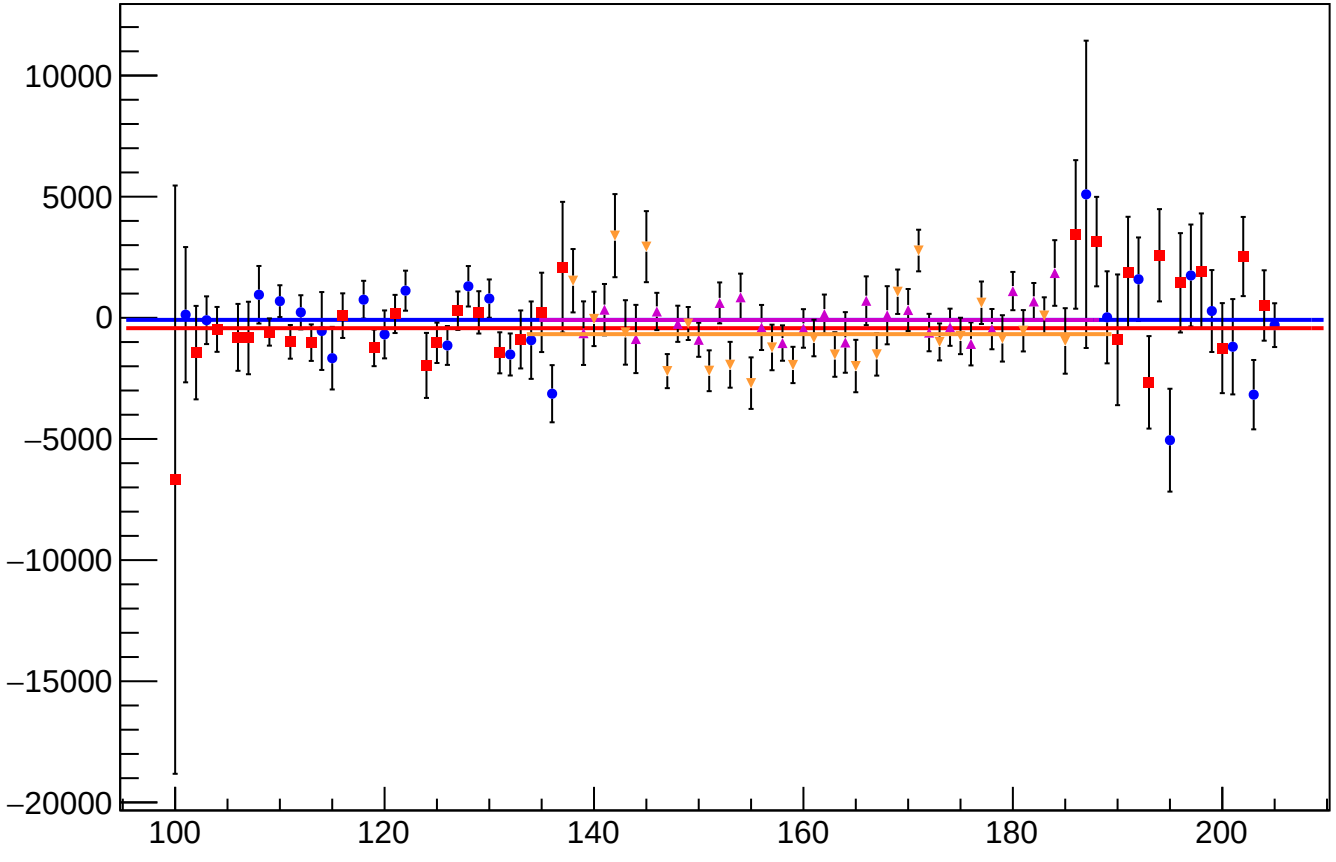
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.807+/-0.339 χ^2/NDF: 755541.6/49

All: 2760.655+/-0.240 χ^2/NDF: 1244814.9/10

- sign 2764.502+/-0.339 χ^2/NDF: 489015.3/52

asym_atr1_cor_correction_mean vs Slug



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -427.523+/-202.935 χ^2/NDF: 25.9/29

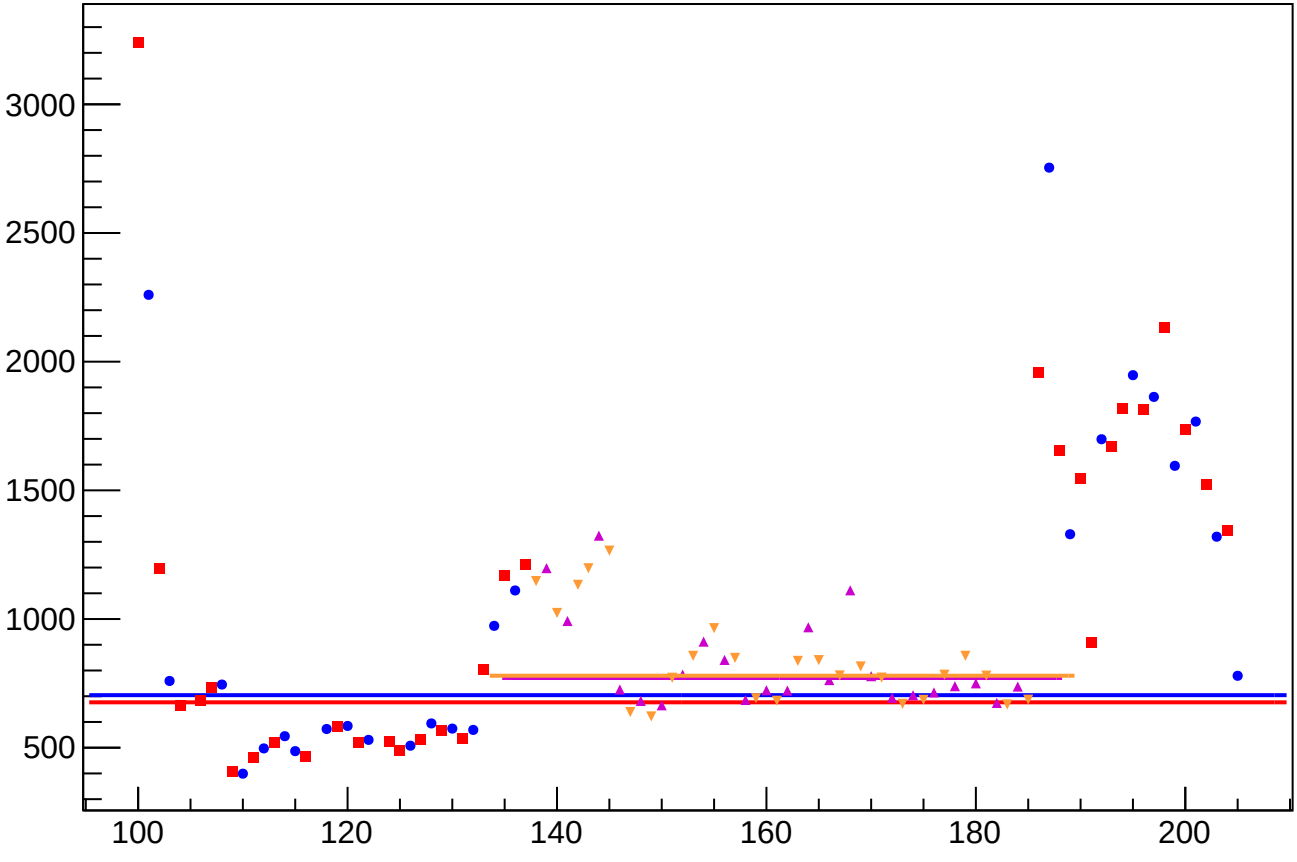
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -428.144+/-138.410 χ^2/NDF: 98.6/49

All: -333.318+/-97.045 χ^2/NDF: 141.7/102

- sign -241.626+/-136.105 χ^2/NDF: 42.2/52

asym_atr1_cor_correction_rms vs Slug



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

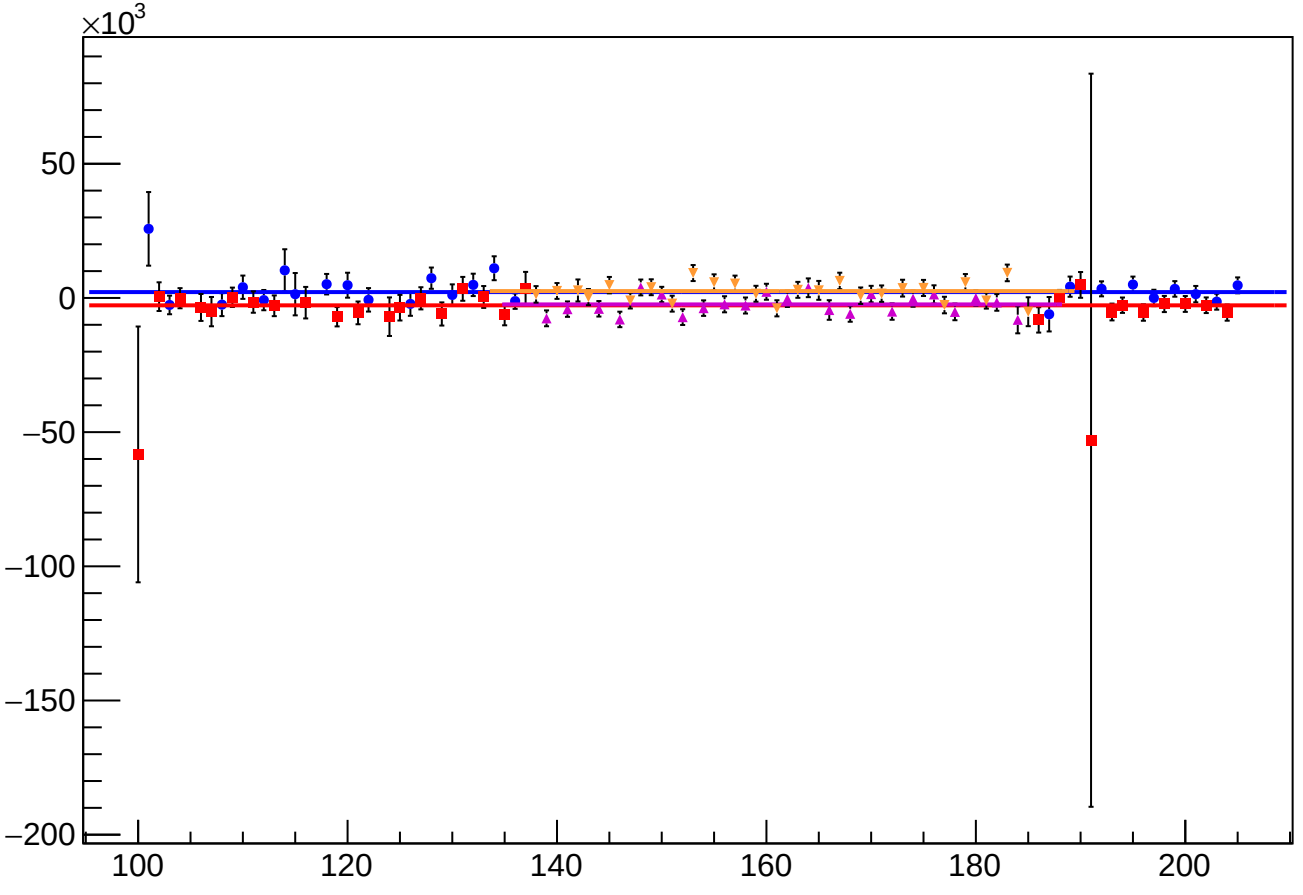
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 748.233+/-0.098 χ^2/NDF: 7332054.5/49

All: 738.101+/-0.069 χ^2/NDF: 15788906.2/10

- sign 728.304+/-0.096 χ^2/NDF: 8435772.3/52

eigen_cor_asym_atr1_mean vs Slug



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2752.951+/-722.656 χ^2/NDF: 18.0/29

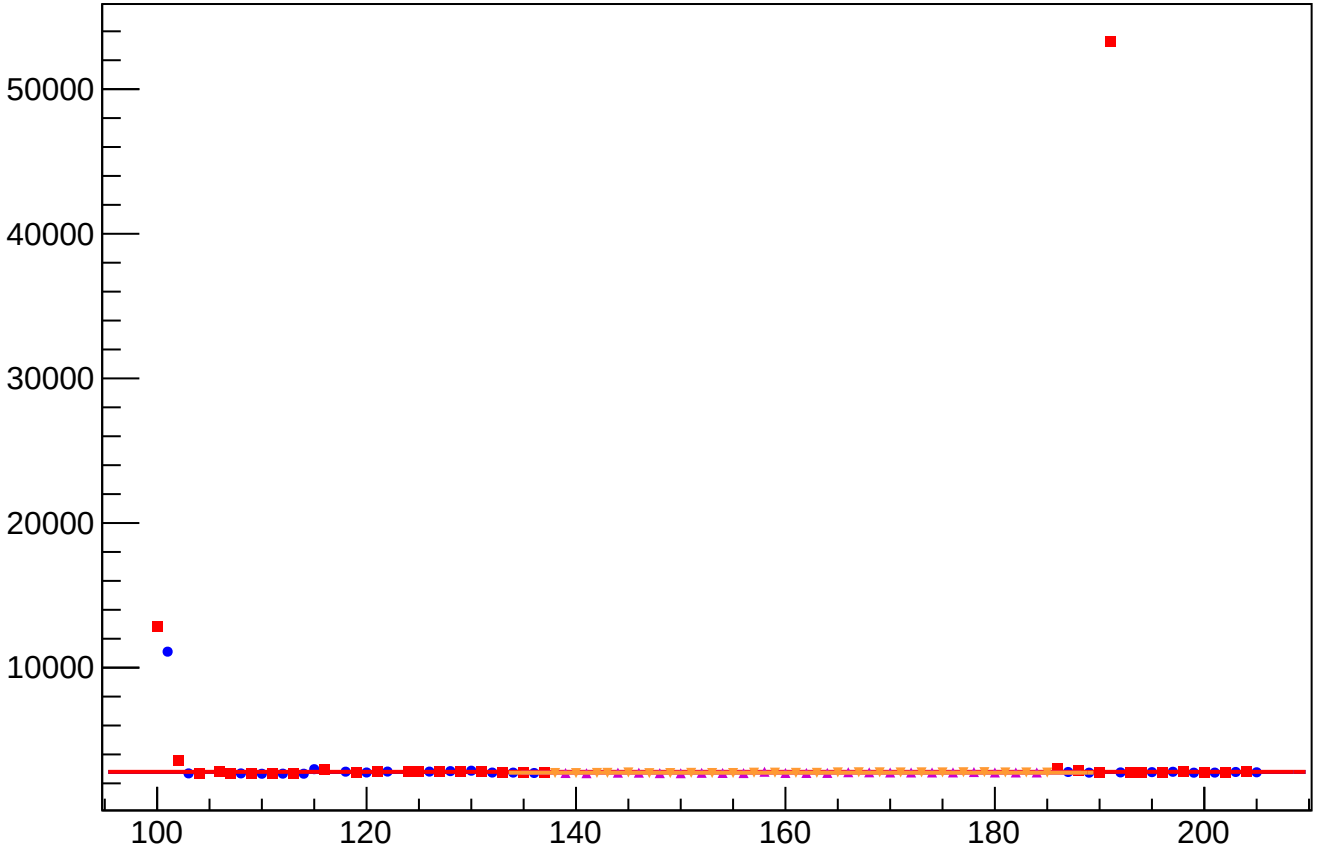
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.706+/-479.078 χ^2/NDF: 55.5/49

All: -76.941+/-338.733 χ^2/NDF: 158.7/102

- sign -2559.814+/-479.004 χ^2/NDF: 49.5/52

eigen_cor_asym_atr1_rms vs Slug



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

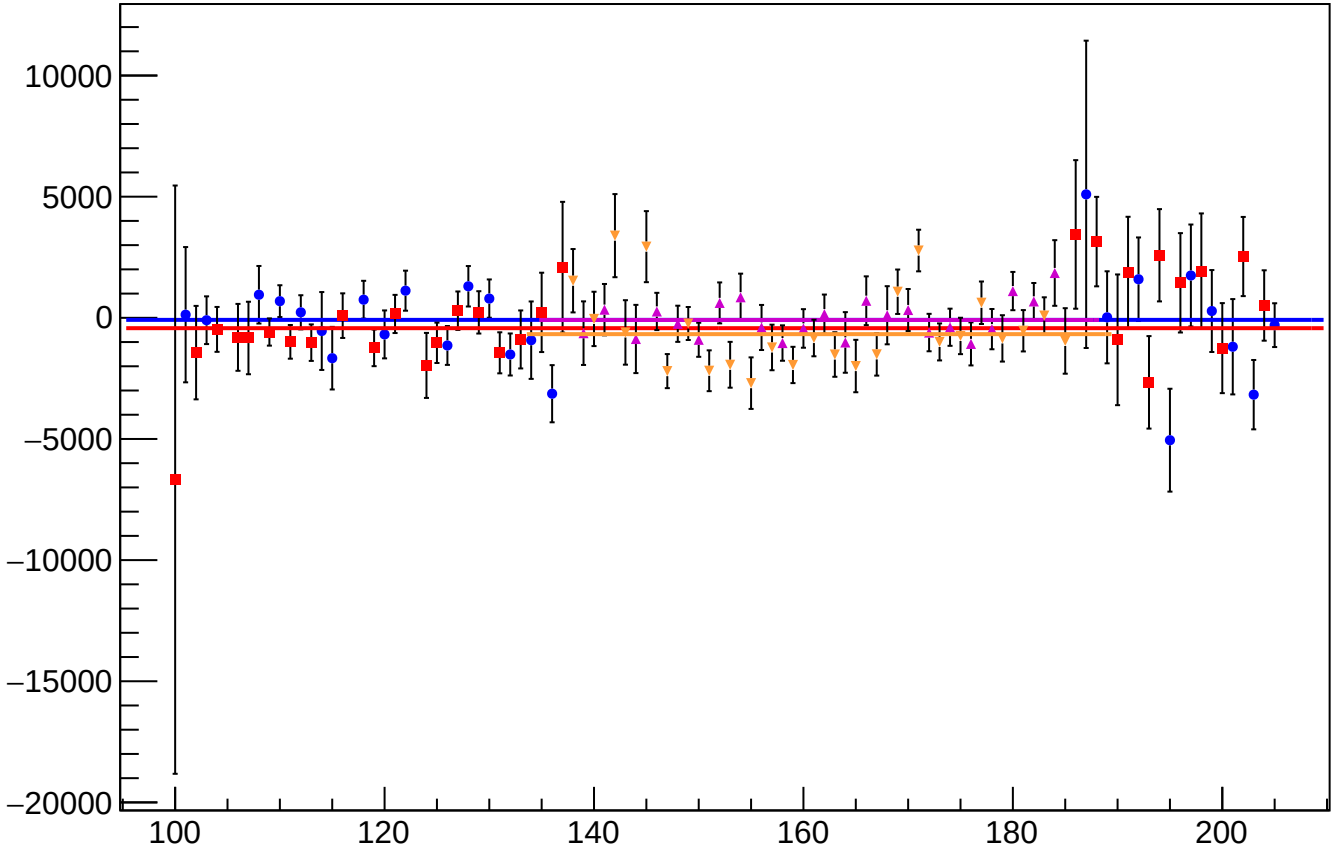
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.807+/-0.339 χ^2/NDF: 755541.6/49

All: 2760.655+/-0.240 χ^2/NDF: 1244814.9/10

- sign 2764.502+/-0.339 χ^2/NDF: 489015.3/52

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -427.523+/-202.935 χ^2/NDF: 25.9/29

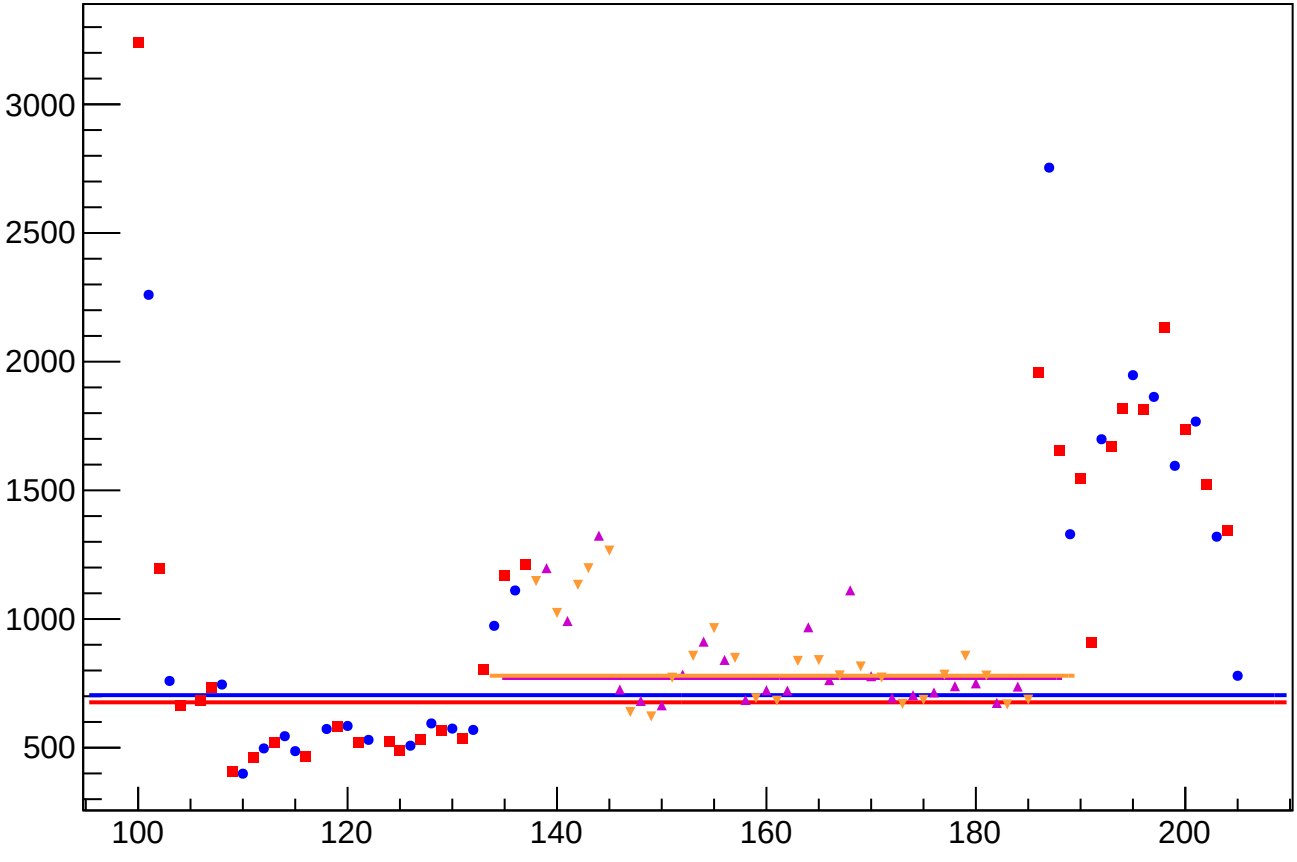
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -428.144+/-138.410 χ^2/NDF: 98.6/49

All: -333.318+/-97.045 χ^2/NDF: 141.7/102

- sign -241.626+/-136.105 χ^2/NDF: 42.2/52

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

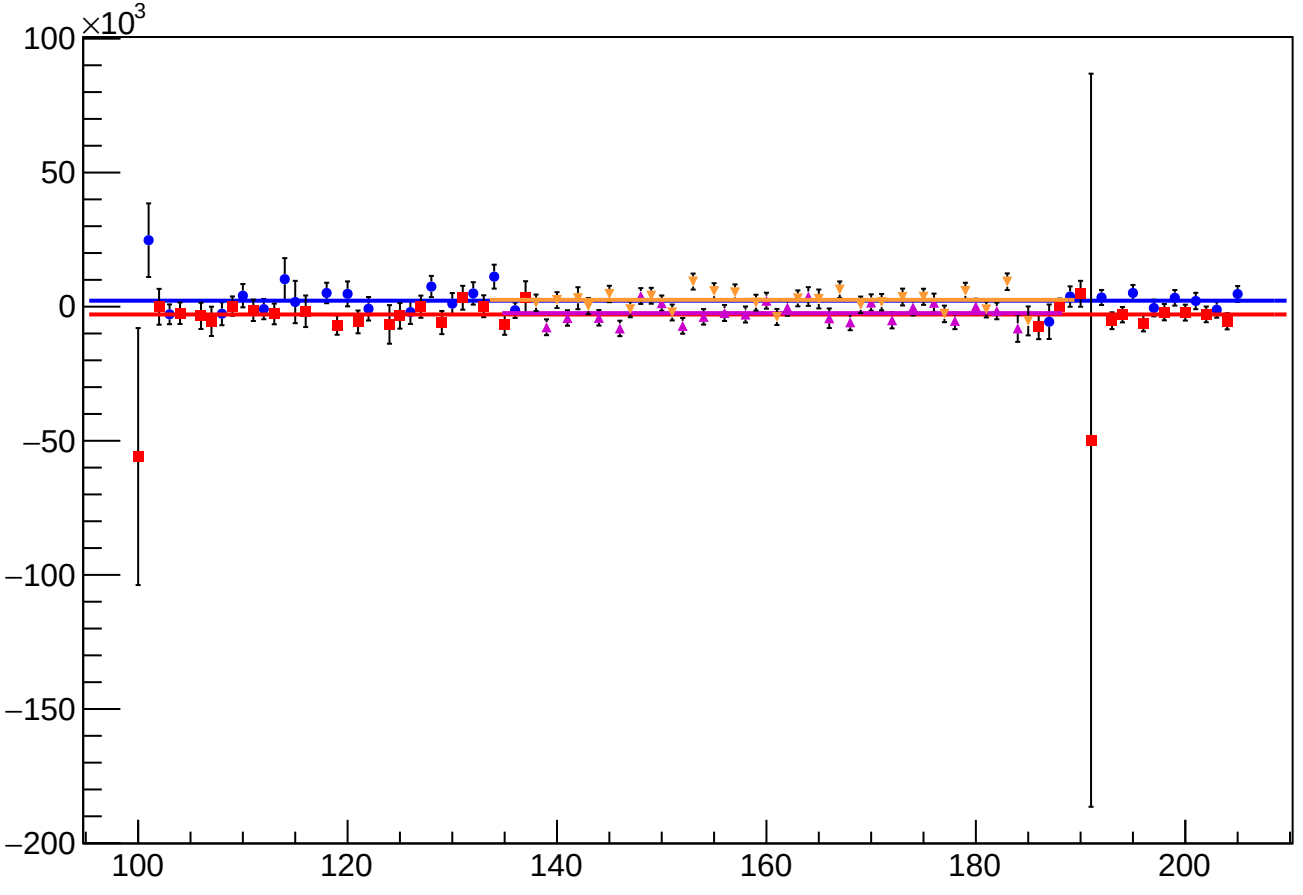
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 748.233+/-0.098 χ^2/NDF: 7332054.5/49

All: 738.101+/-0.069 χ^2/NDF: 15788906.2/10

- sign 728.304+/-0.096 χ^2/NDF: 8435772.3/52

dit_asym_atr1_mean vs Slug



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2903.290+/-728.723 χ^2/NDF: 17.0/29

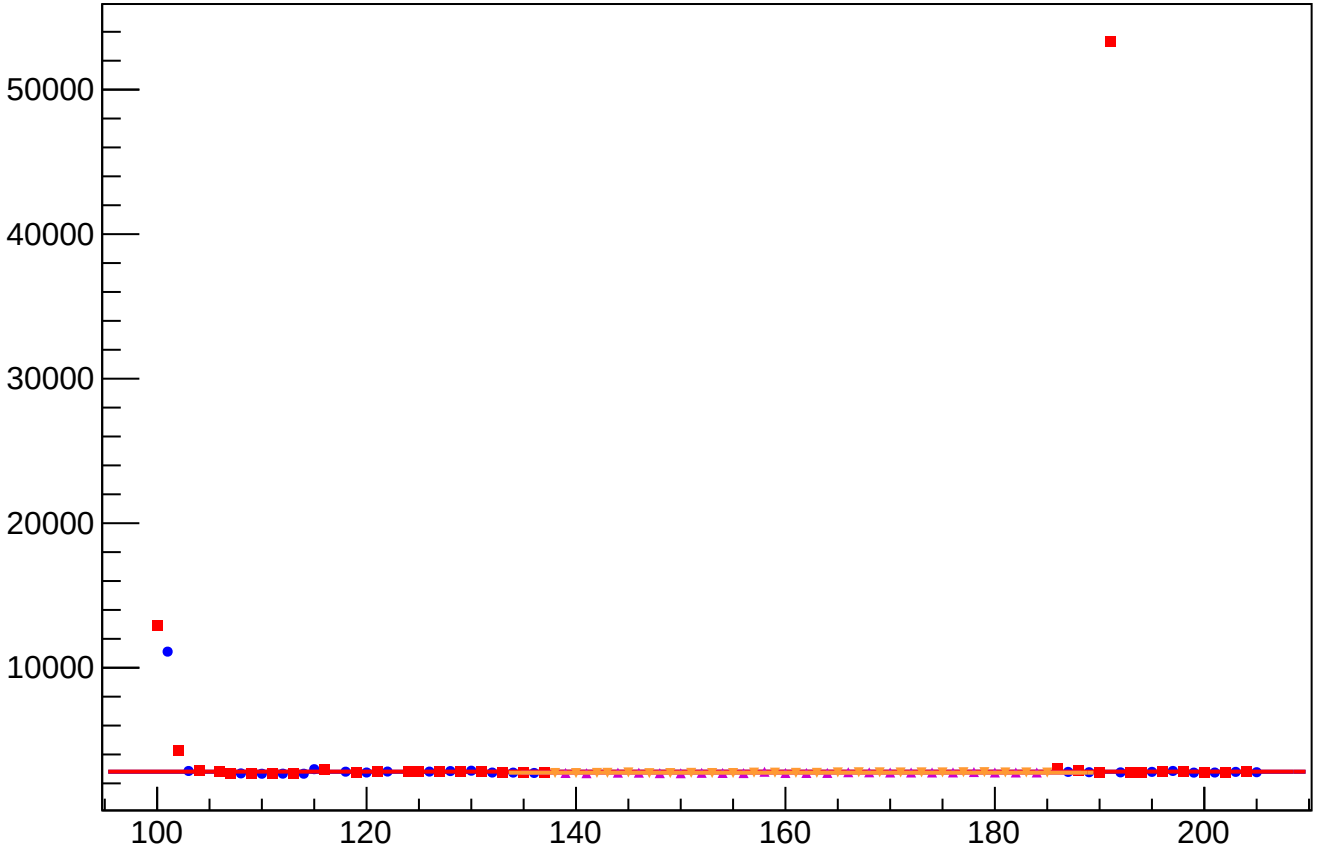
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2416.987+/-480.459 χ^2/NDF: 55.6/49

All: -100.671+/-339.895 χ^2/NDF: 159.6/102

- sign -2623.061+/-480.910 χ^2/NDF: 49.1/52

dit_asym_atr1_rms vs Slug



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.4/29

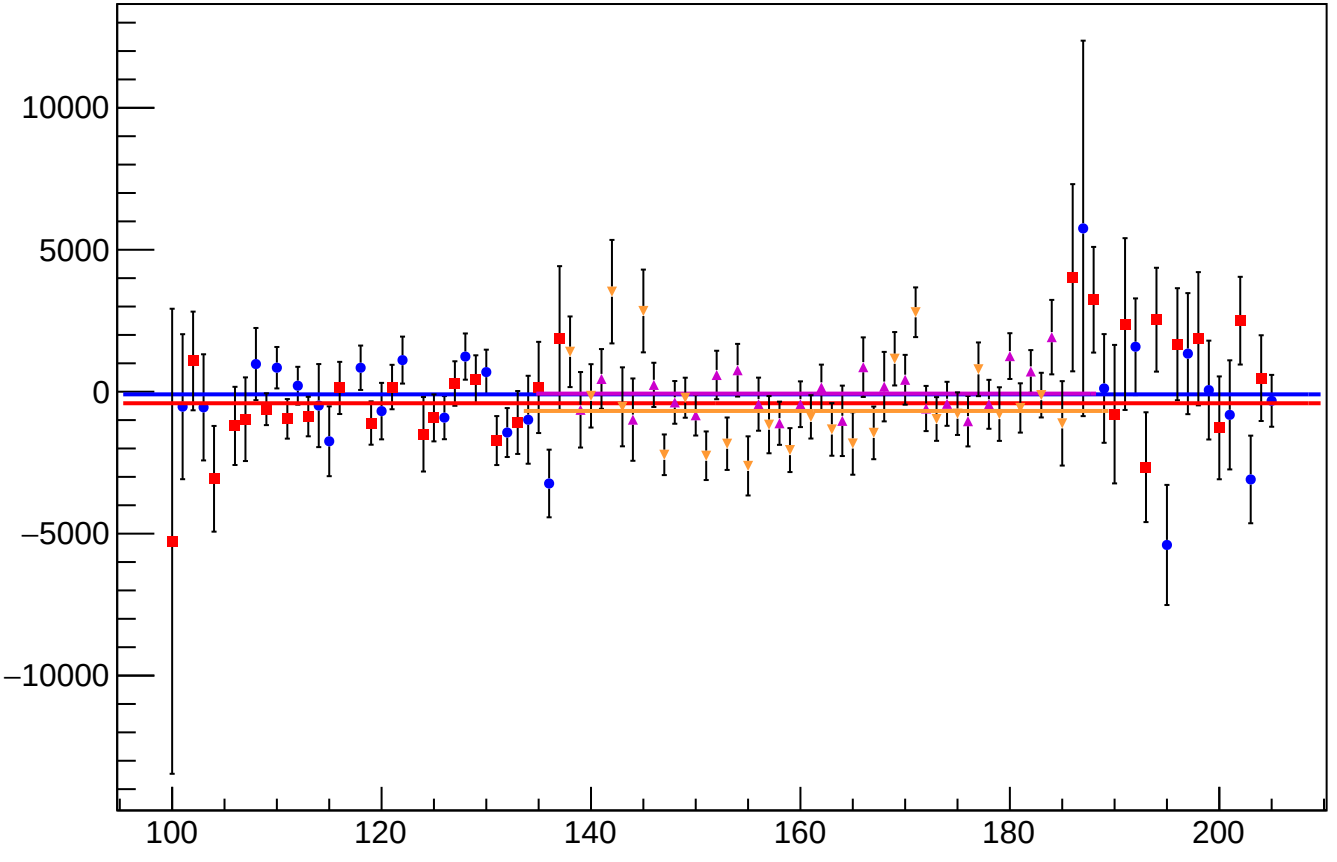
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.612+/-0.340 χ^2/NDF: 758002.6/49

All: 2768.641+/-0.240 χ^2/NDF: 1304848.1/10

- sign 2772.678+/-0.340 χ^2/NDF: 546563.9/52

asym_atr1_dit_correction_mean vs Slug



Right In: -93.237+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -406.626+/-203.944 χ^2/NDF: 29.6/29

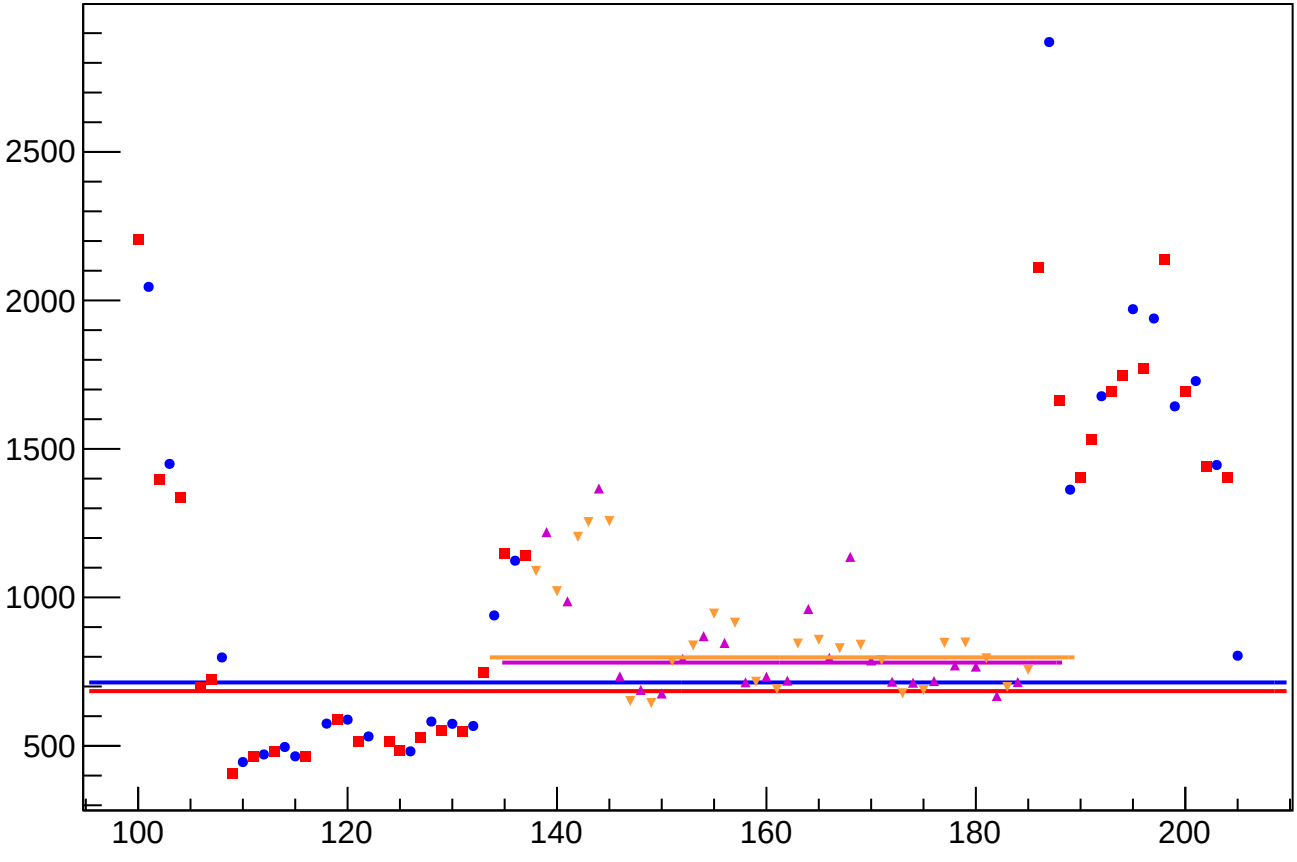
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

\+ sign -433.333+/-141.062 χ^2/NDF: 95.9/49

All: -324.113+/-98.352 χ^2/NDF: 144.0/102

\- sign -220.791+/-137.201 χ^2/NDF: 47.0/52

asym_atr1_dit_correction_rms vs Slug



Right In: 713.602+/-0.154 χ^2/NDF: 6400271.8/24

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716076.5/29

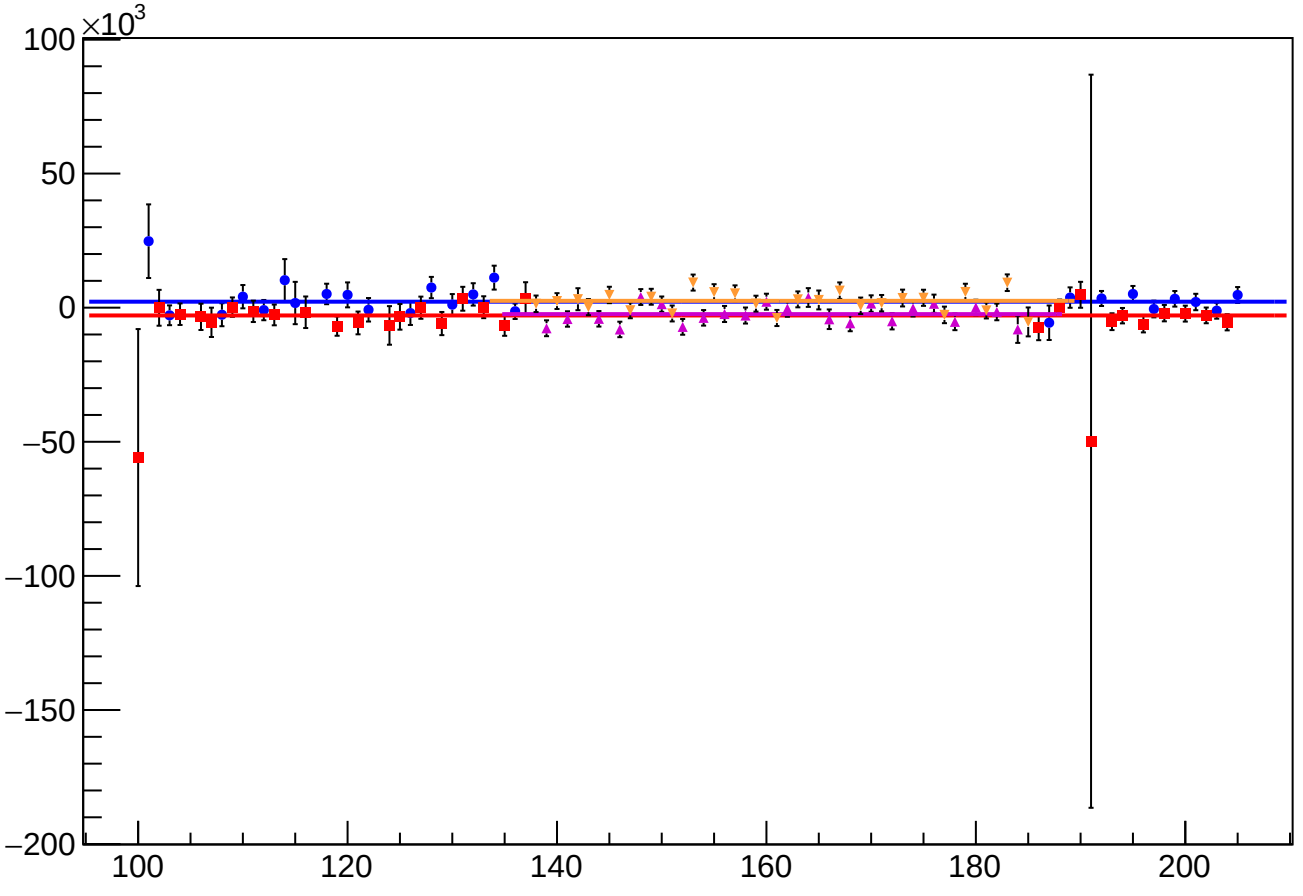
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 762.722+/-0.100 χ^2/NDF: 7743248.1/49

All: 749.528+/-0.070 χ^2/NDF: 16801153.7/10

- sign 737.046+/-0.097 χ^2/NDF: 9023856.4/52

eigen_dit_asym_atr1_mean vs Slug



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2903.287+/-728.723 χ^2/NDF: 17.0/29

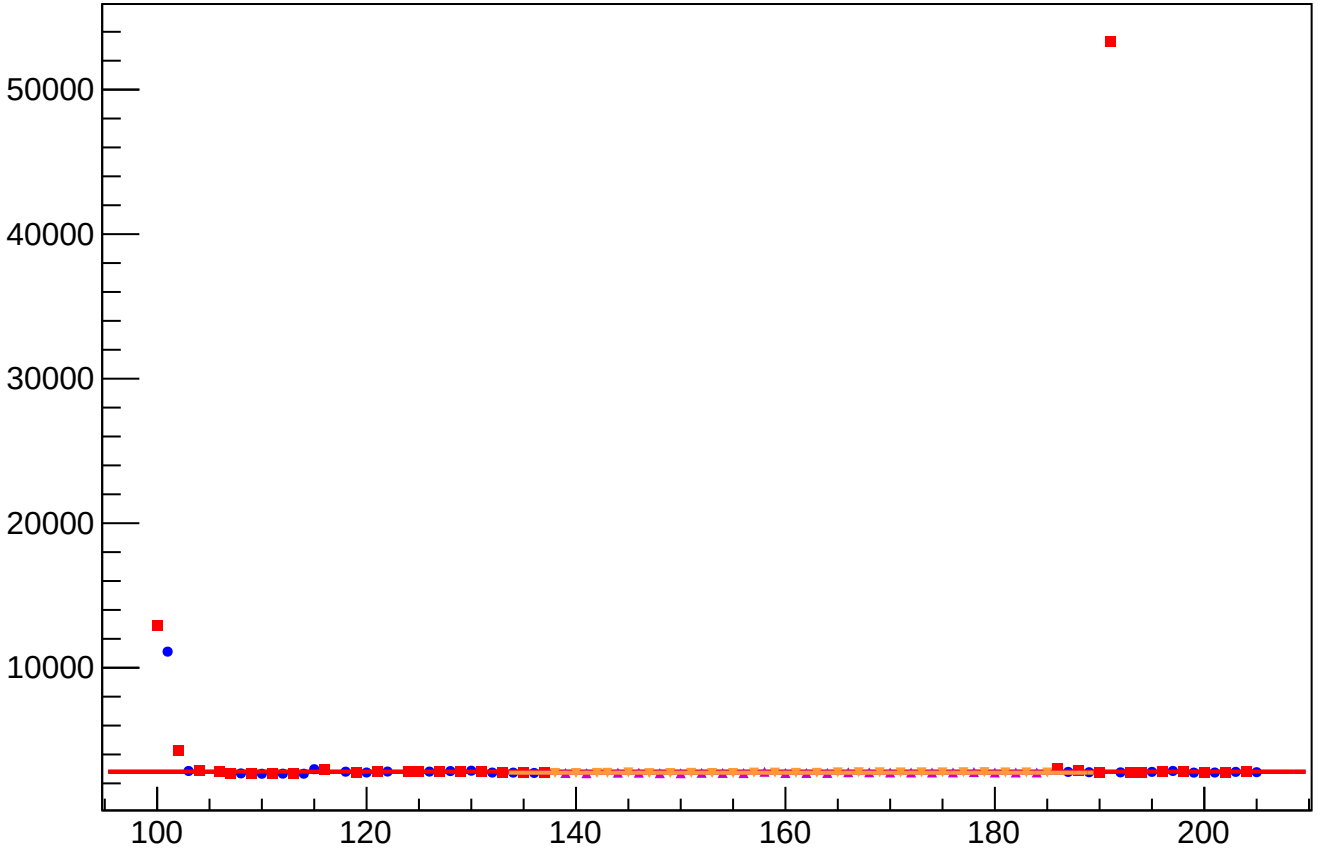
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2416.988+/-480.459 χ^2/NDF: 55.6/49

All: -100.670+/-339.895 χ^2/NDF: 159.6/102

- sign -2623.060+/-480.910 χ^2/NDF: 49.1/52

eigen_dit_asym_atr1_rms vs Slug



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.2/29

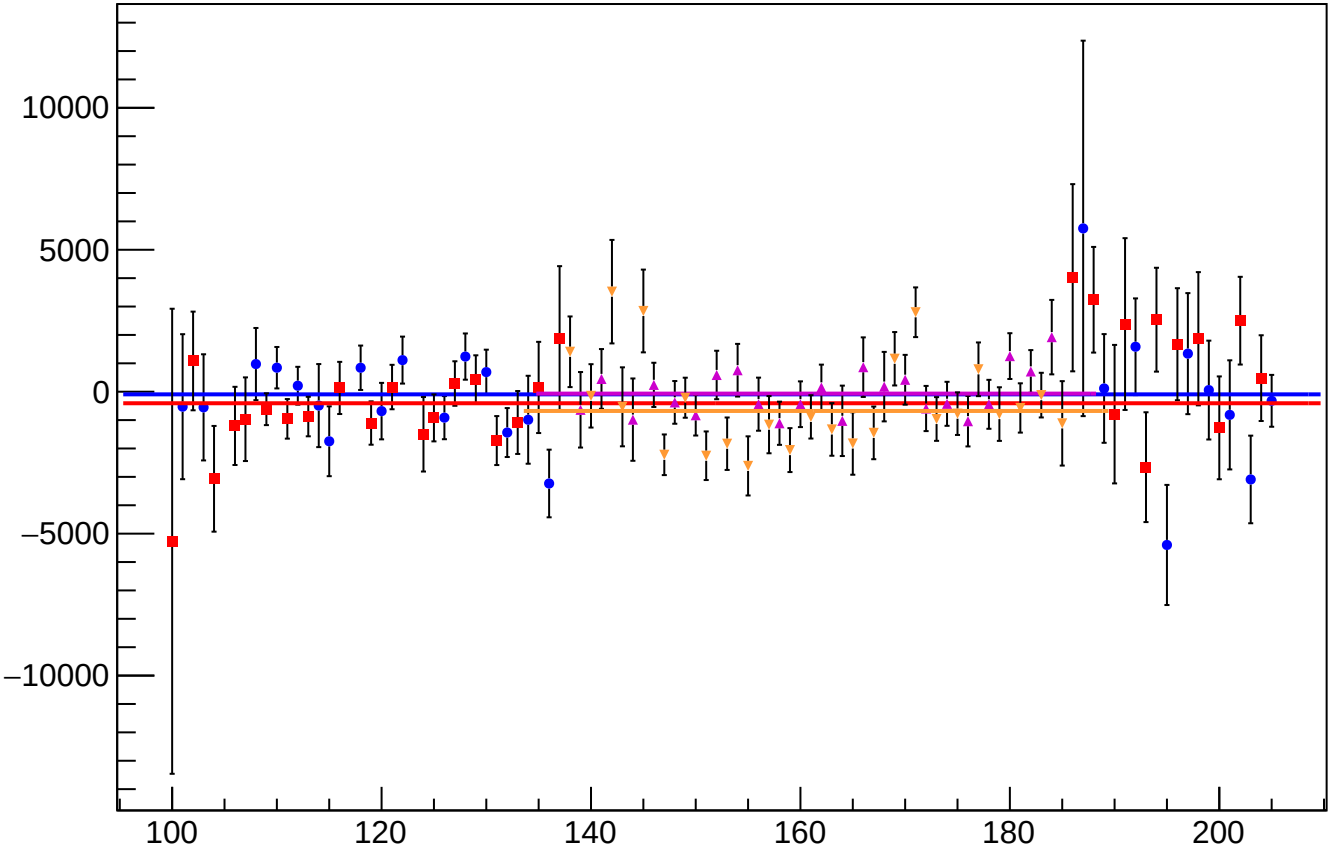
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.612+/-0.340 χ^2/NDF: 758002.6/49

All: 2768.641+/-0.240 χ^2/NDF: 1304847.8/10

- sign 2772.678+/-0.340 χ^2/NDF: 546563.7/52

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -93.236+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -406.626+/-203.944 χ^2/NDF: 29.6/29

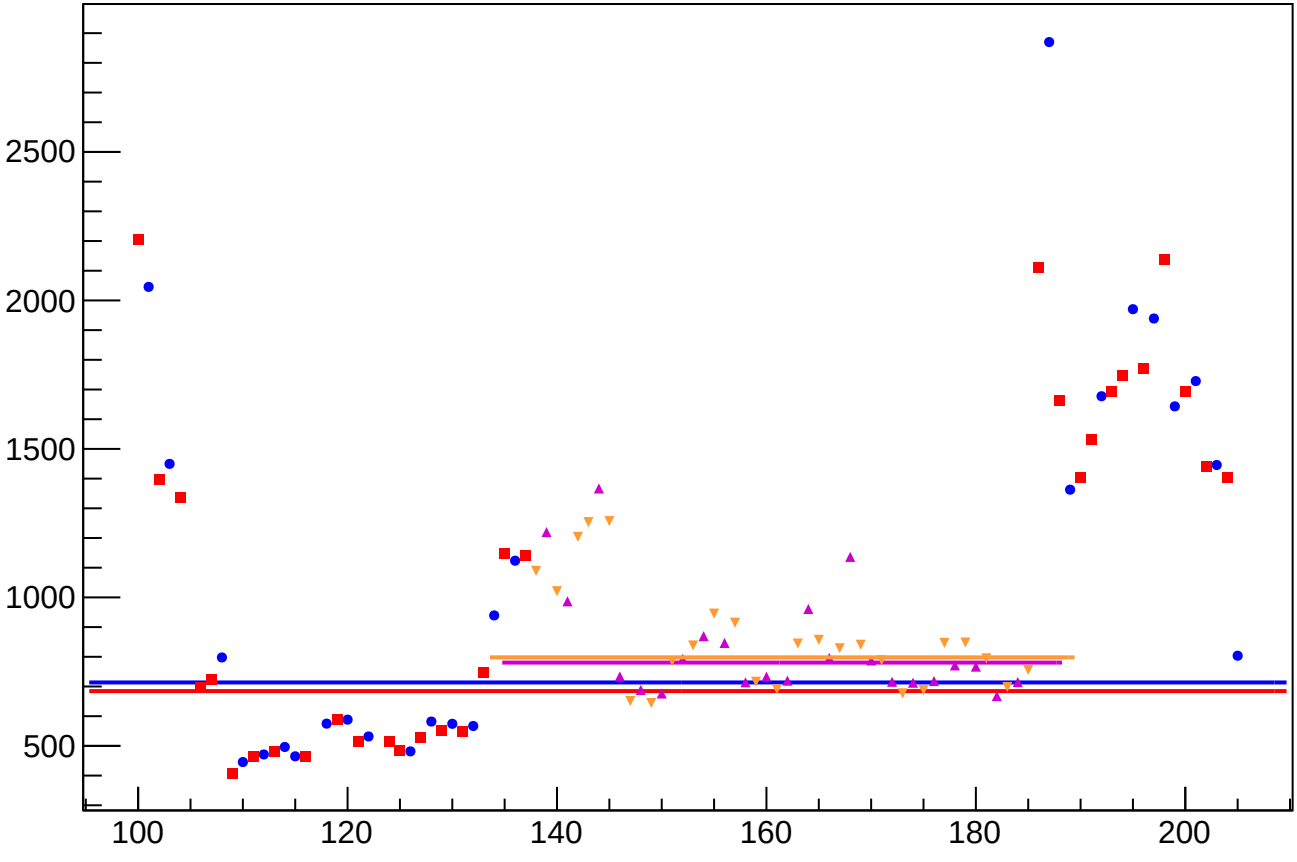
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -433.333+/-141.062 χ^2/NDF: 95.9/49

All: -324.114+/-98.352 χ^2/NDF: 144.0/102

\- sign -220.791+/-137.201 χ^2/NDF: 47.0/52

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 713.602+/-0.154 χ^2/NDF: 6400269.0/24

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716080.2/29

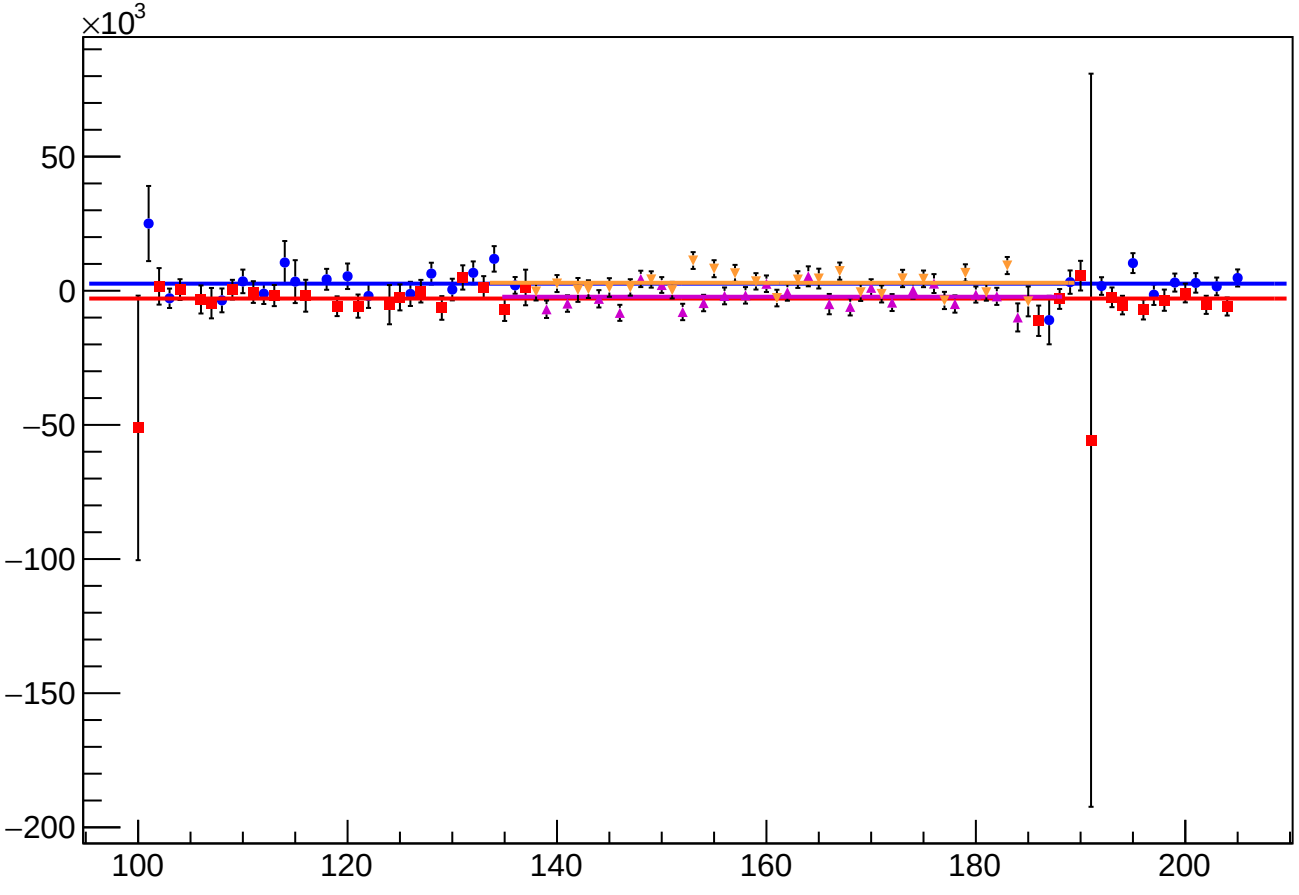
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 762.722+/-0.100 χ^2/NDF: 7743245.4/49

All: 749.528+/-0.070 χ^2/NDF: 16801157.0/10

- sign 737.046+/-0.097 χ^2/NDF: 9023861.7/52

asym_atr1_mean vs Slug



Right In: 2647.021+/-824.918 χ^2/NDF: 25.3/24

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2903.710+/-802.356 χ^2/NDF: 19.0/29

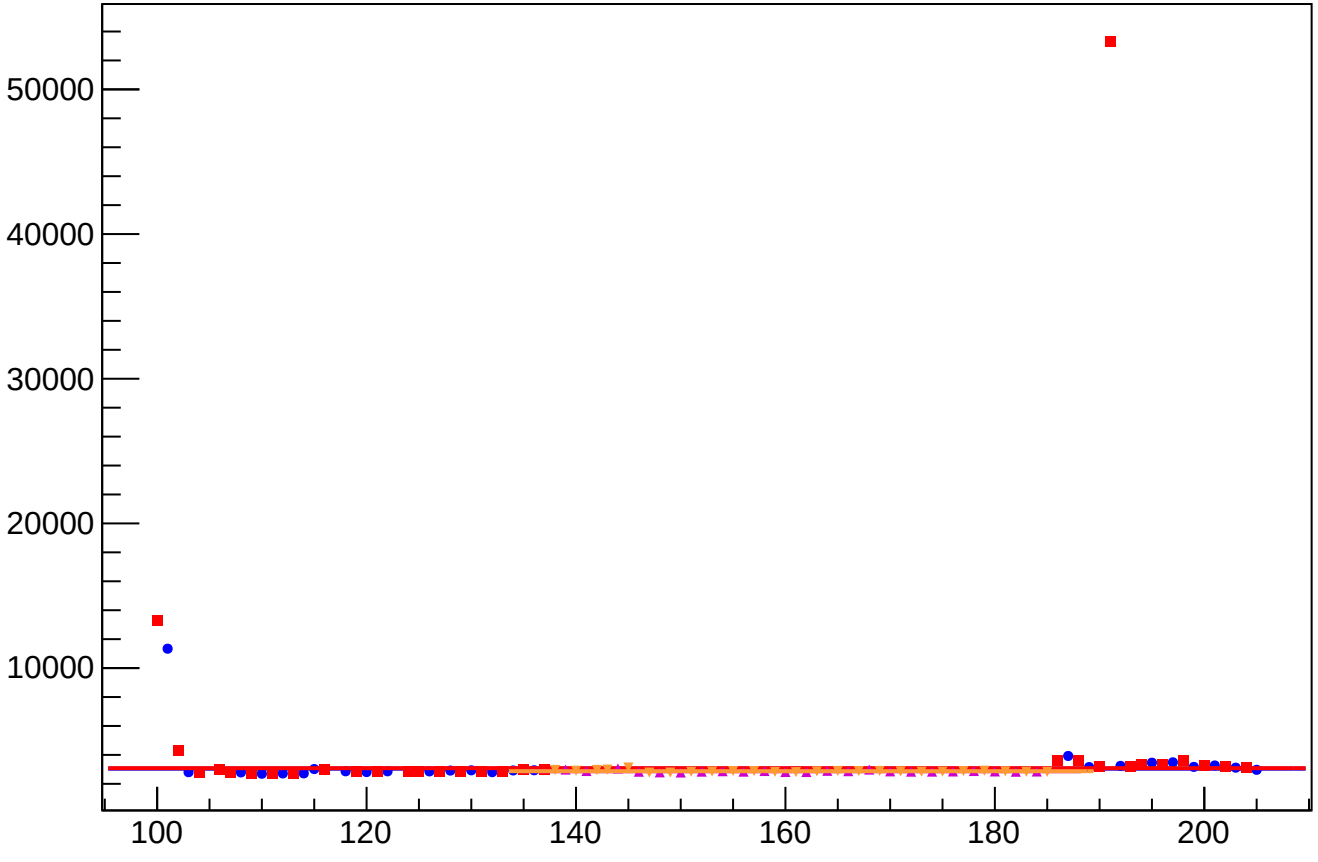
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2845.105+/-512.138 χ^2/NDF: 61.1/49

All: 178.806+/-362.942 χ^2/NDF: 168.7/102

- sign -2511.351+/-514.424 χ^2/NDF: 53.2/52

asym_atr1_rms vs Slug



Right In: 3047.745+/-0.583 χ^2/NDF: 868221.4/24

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3081.981+/-0.567 χ^2/NDF: 714134.3/29

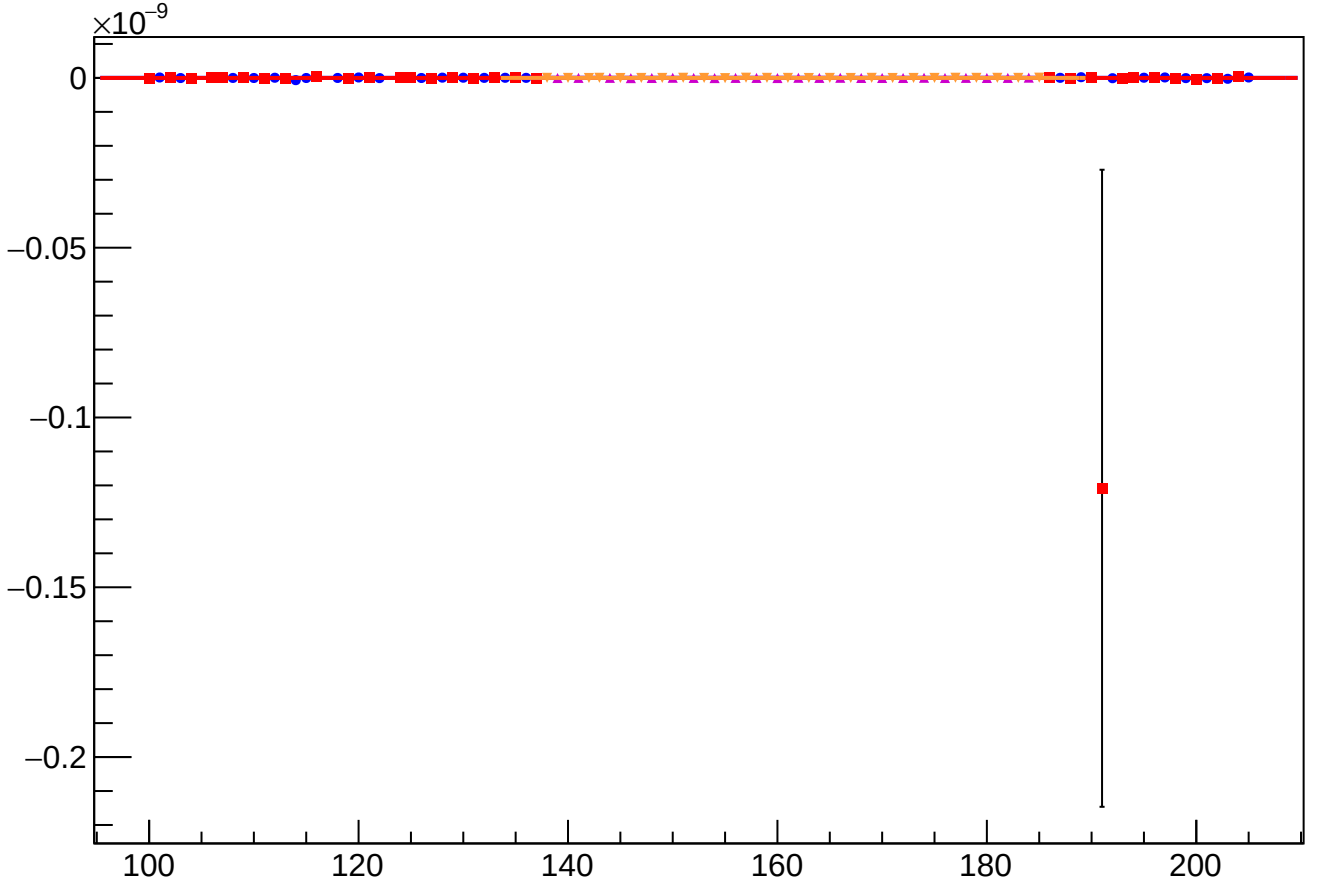
Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2941.541+/-0.362 χ^2/NDF: 943951.4/49

All: 2949.350+/-0.257 χ^2/NDF: 1758805.8/10

- sign 2957.228+/-0.364 χ^2/NDF: 813920.3/52

asym_atr1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/29

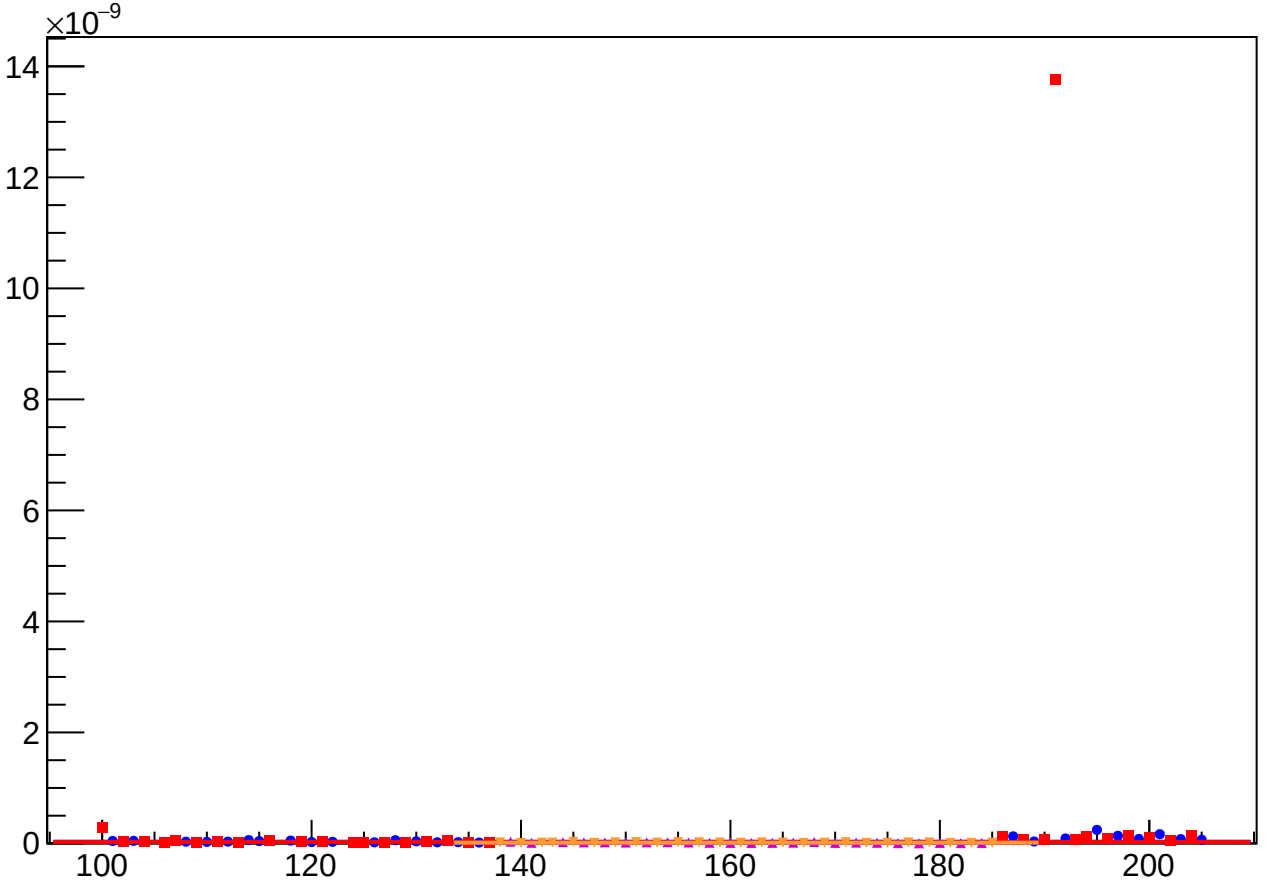
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.7/49

All: 0.000+/-0.000 χ^2/NDF: 102.3/102

- sign 0.000+/-0.000 χ^2/NDF: 67.5/52

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3595164.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3477235.6/29

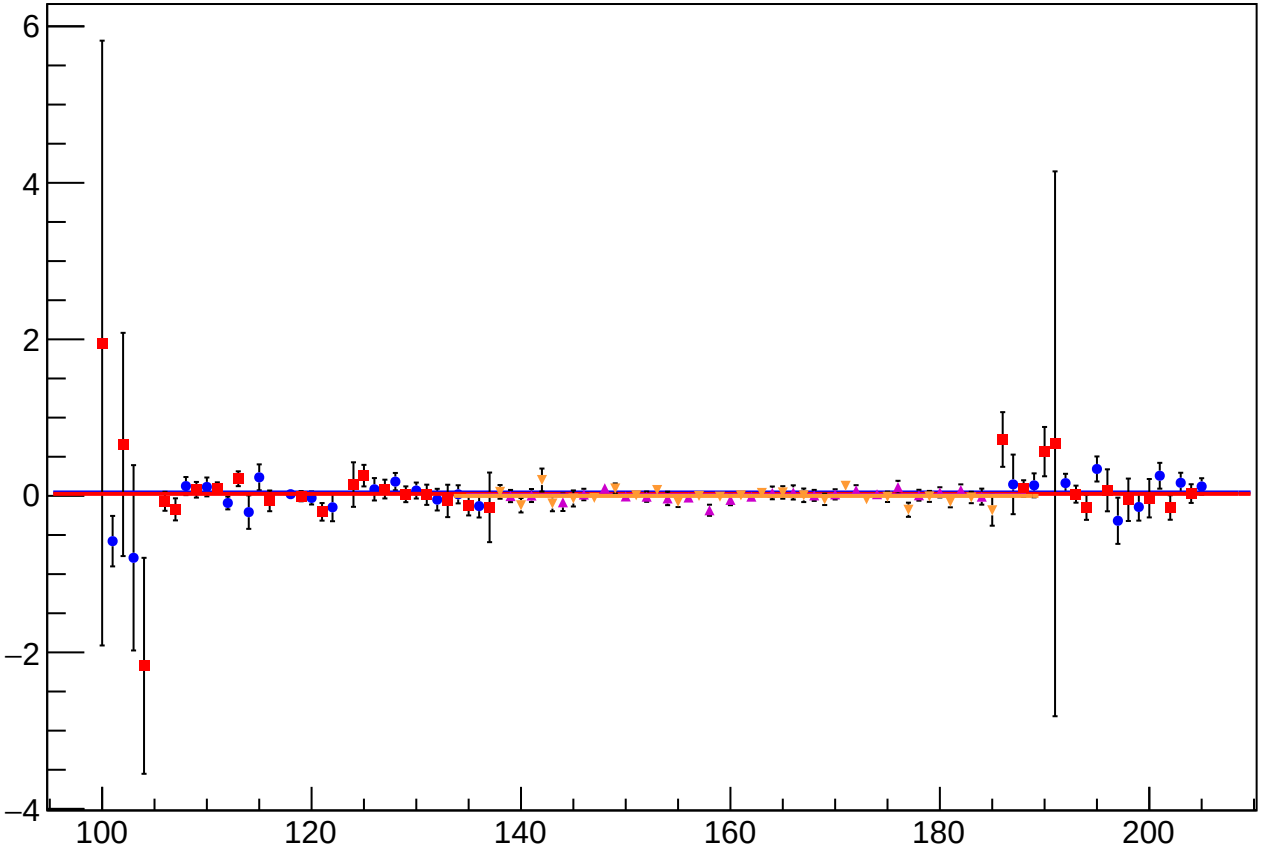
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6763561.5/49

All: 0.000+/-0.000 χ^2/NDF: 15905456.1/102

- sign 0.000+/-0.000 χ^2/NDF: 8854475.7/52

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

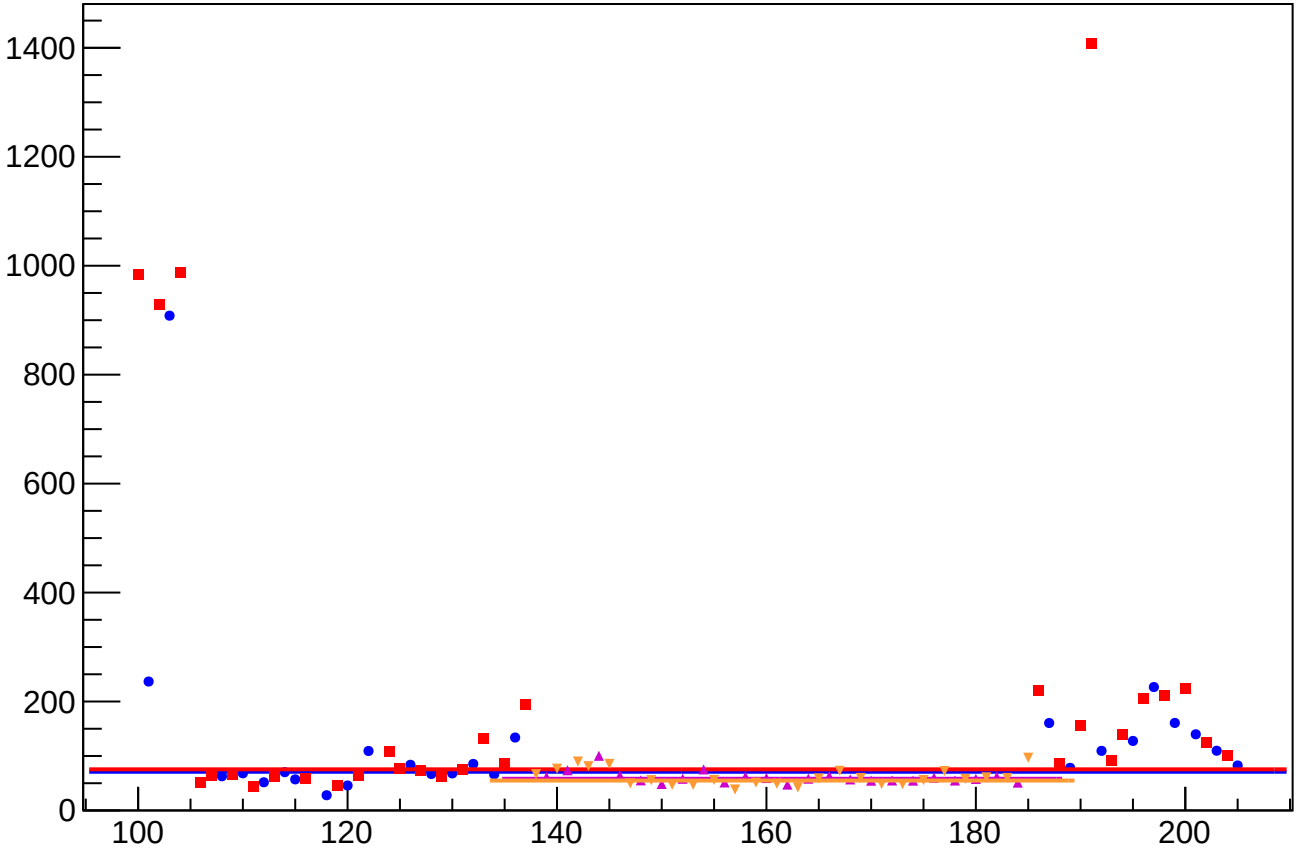
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/102

- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

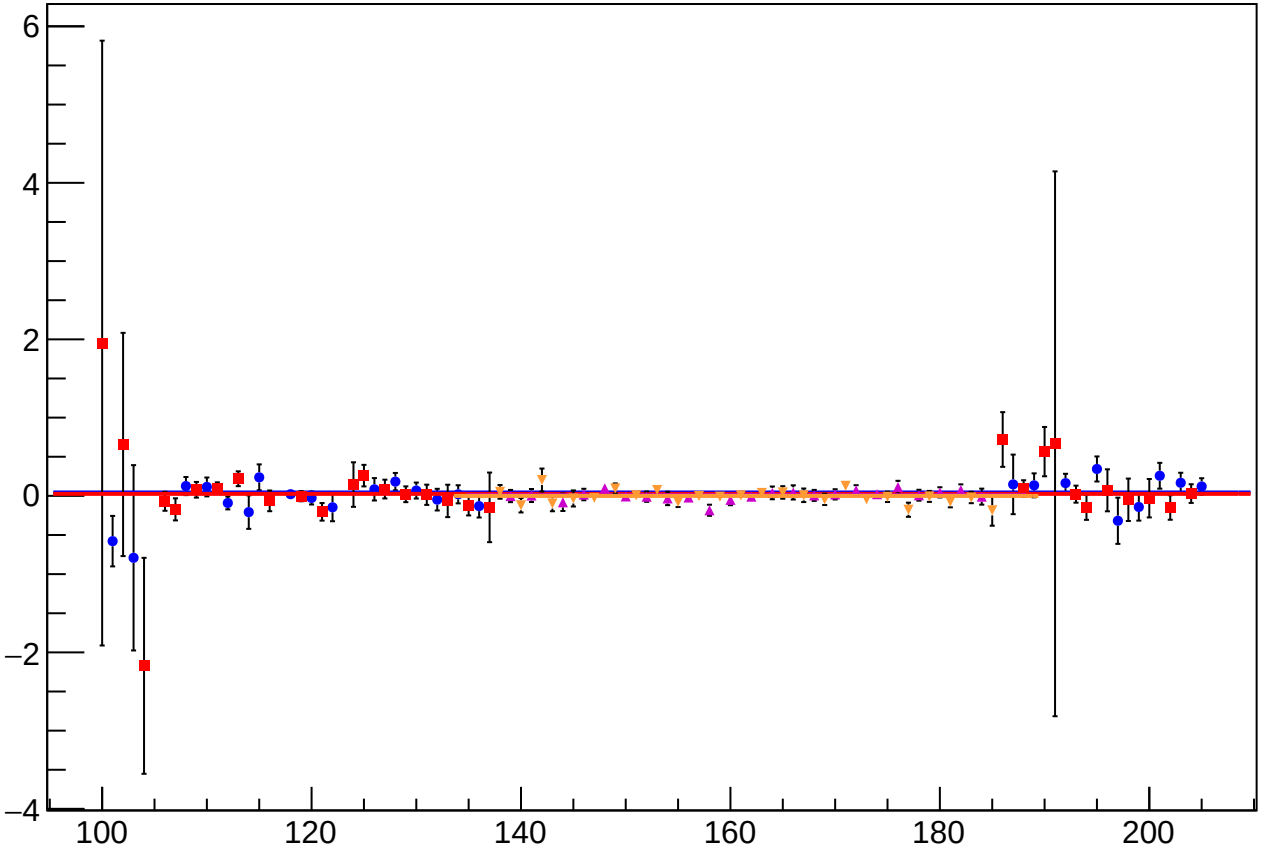
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.972+/-0.009 χ^2/NDF: 7839217.1/49

All: 60.798+/-0.006 χ^2/NDF: 15547769.7/102

- sign 62.776+/-0.009 χ^2/NDF: 7615234.1/52

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

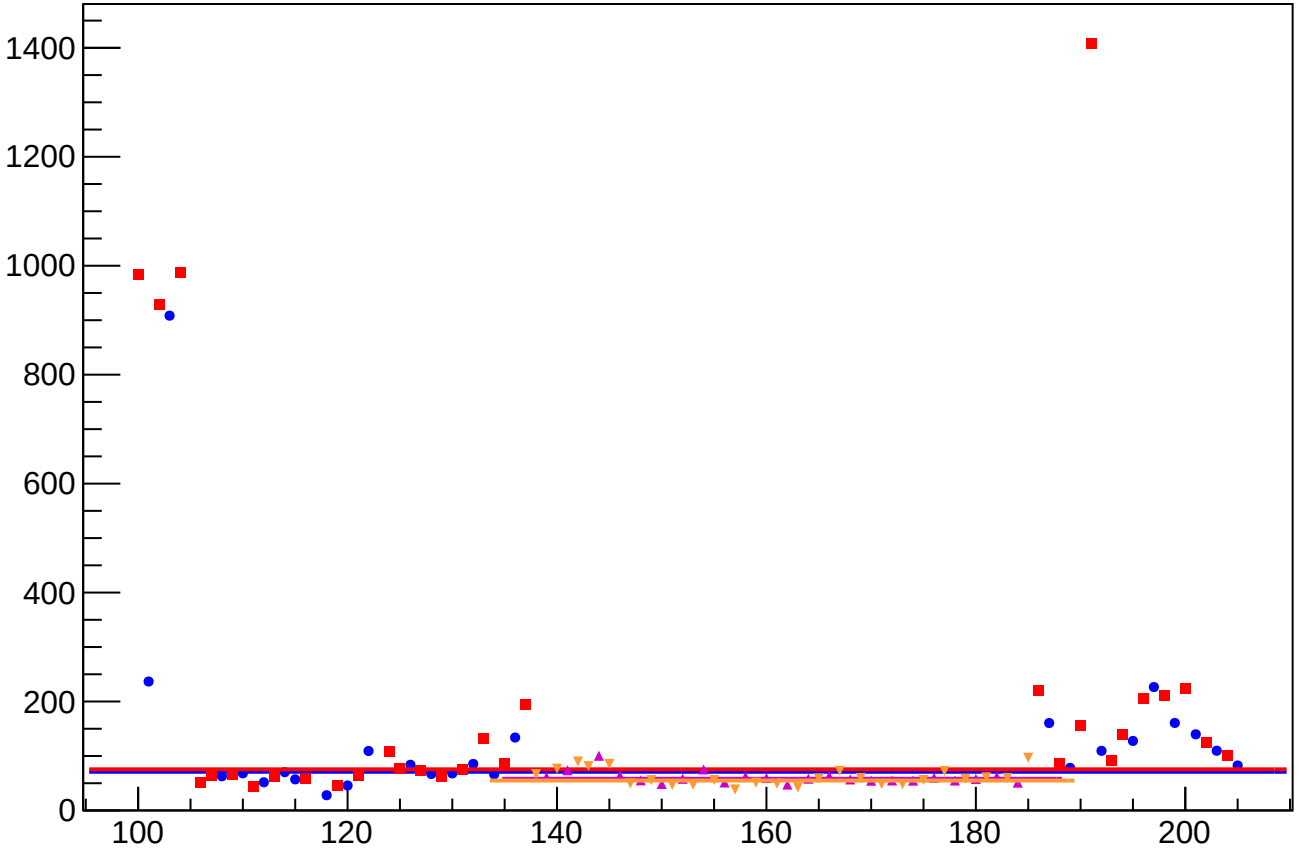
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/102

- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

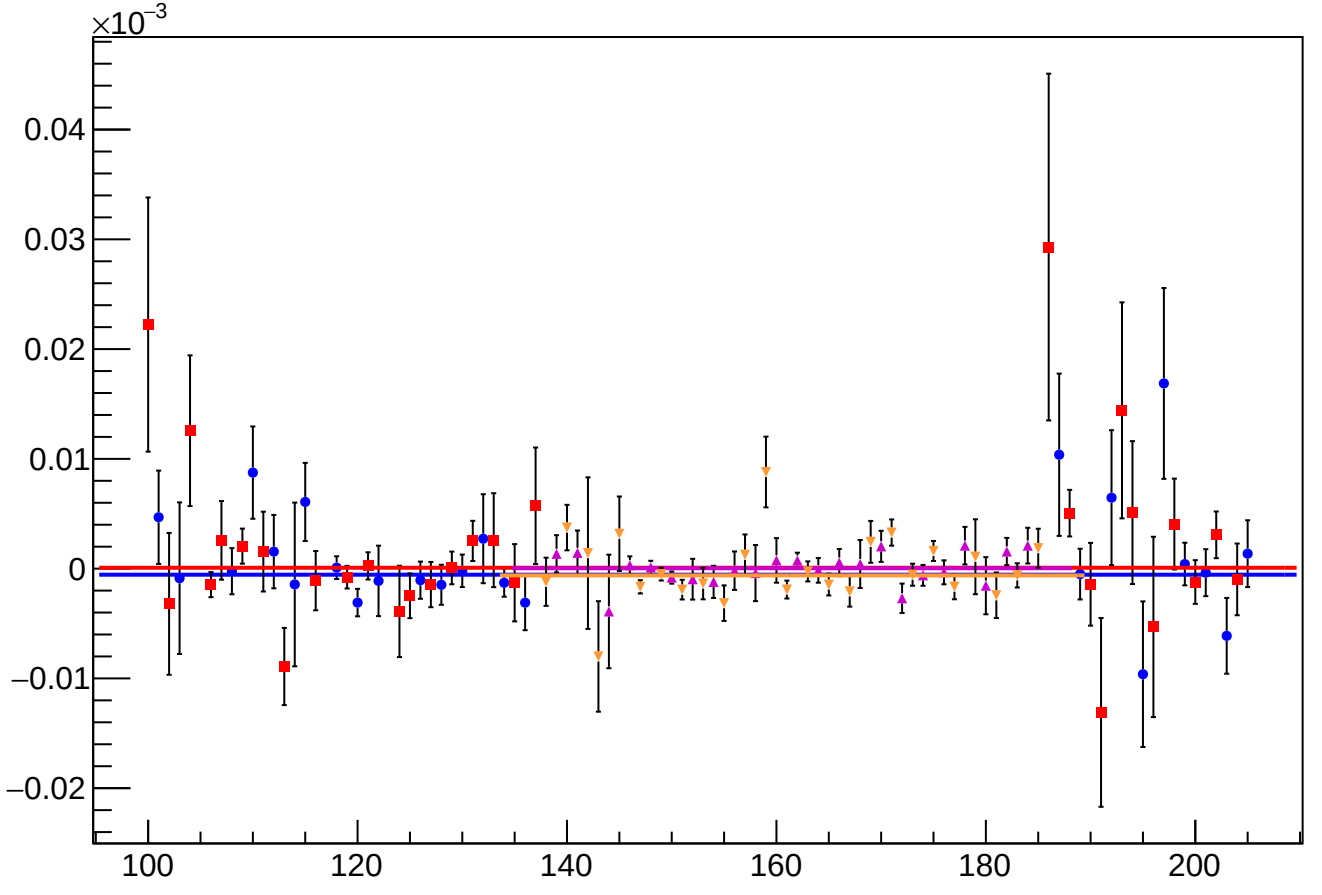
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.972+/-0.009 χ^2/NDF: 7839217.1/49

All: 60.798+/-0.006 χ^2/NDF: 15547769.7/102

- sign 62.776+/-0.009 χ^2/NDF: 7615234.1/52

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/29

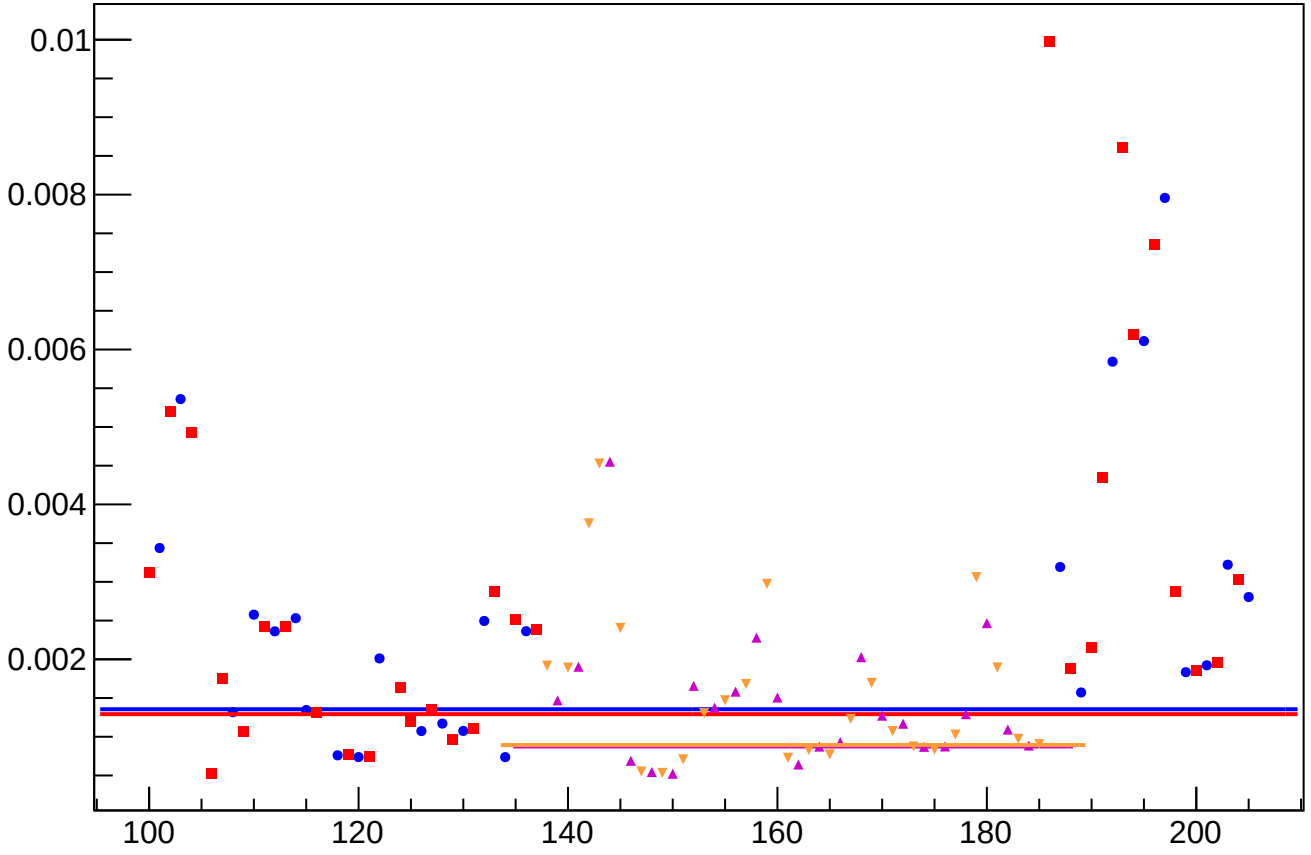
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.7/49

All: -0.000+/-0.000 χ^2/NDF: 149.0/102

- sign 0.000+/-0.000 χ^2/NDF: 61.3/52

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8577072.6/24

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10035865.6/29

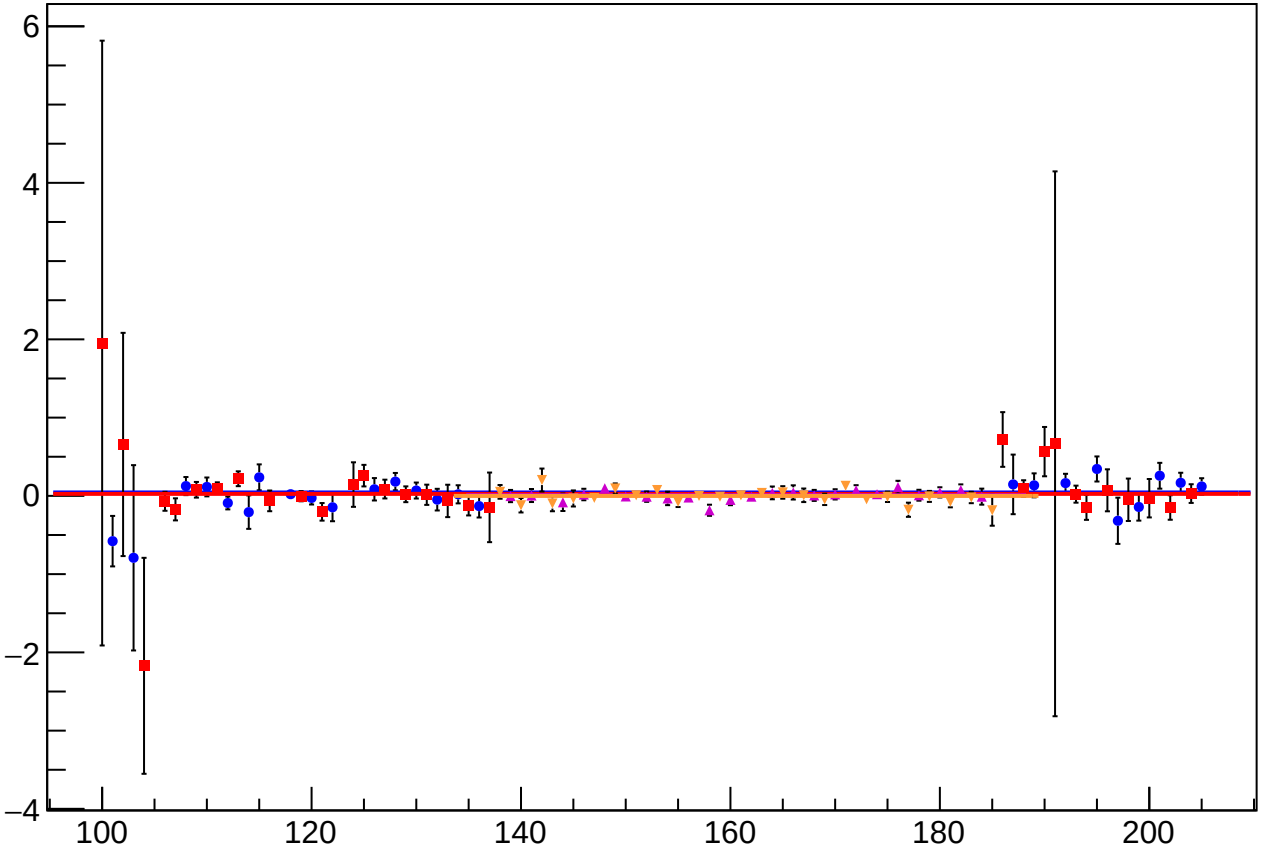
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18023893.2/49

All: 0.001+/-0.000 χ^2/NDF: 36518794.5/102

- sign 0.001+/-0.000 χ^2/NDF: 18486375.6/52

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

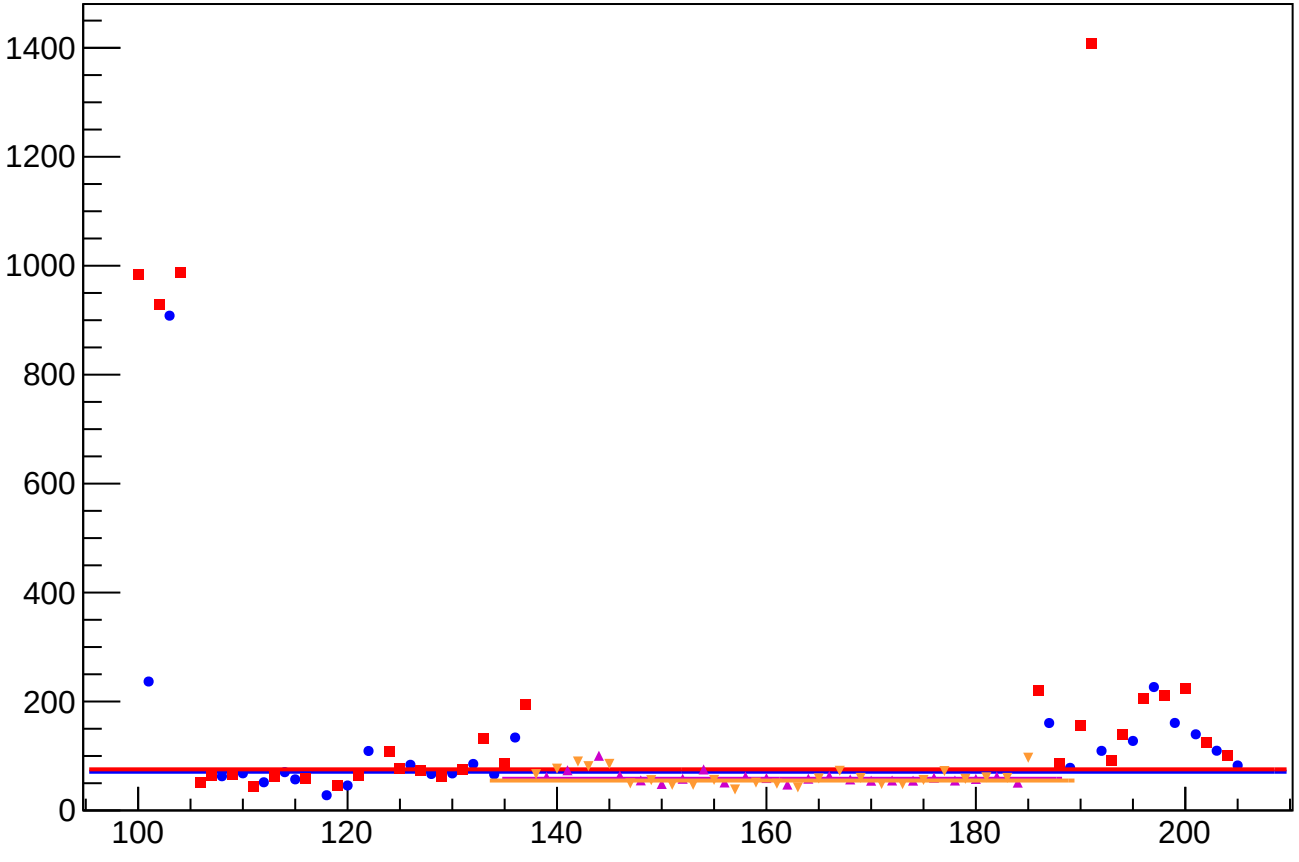
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/102

- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

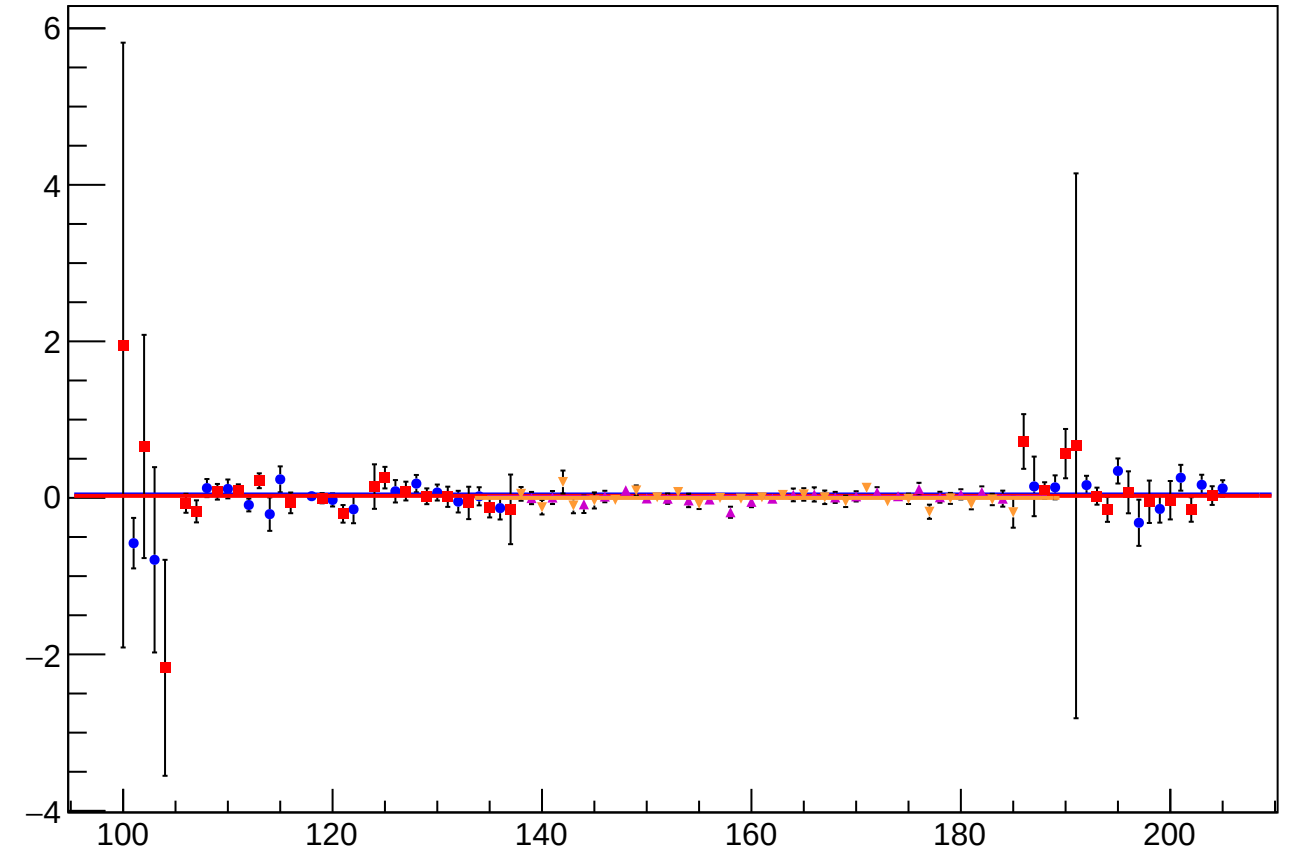
Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.971+/-0.009 χ^2/NDF: 7839417.8/49

All: 60.798+/-0.006 χ^2/NDF: 15548023.8/102

- sign 62.776+/-0.009 χ^2/NDF: 7615263.6/52



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.026+/-0.025 χ^2/NDF: 30.7/29

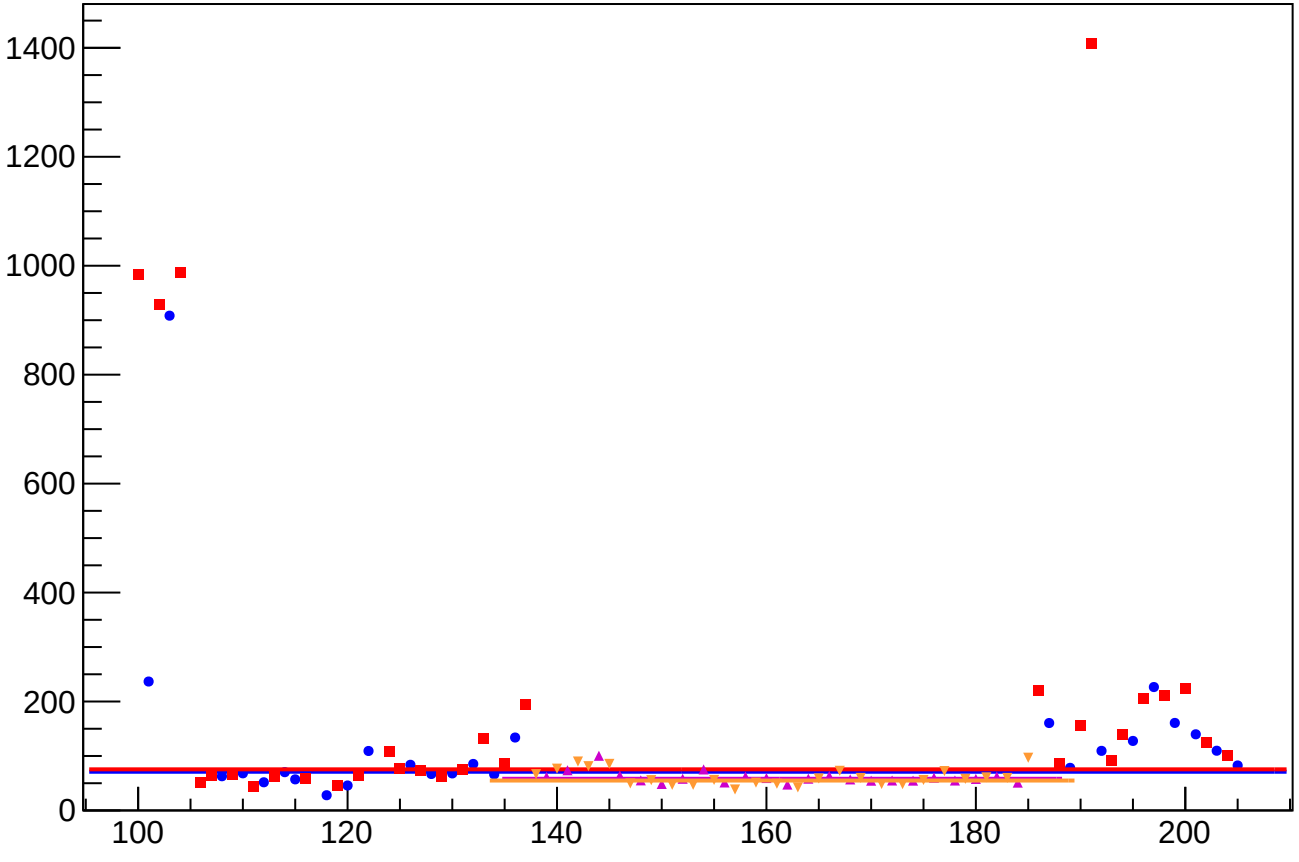
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

\+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/102

\- sign 0.013+/-0.013 χ^2/NDF: 46.6/52

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

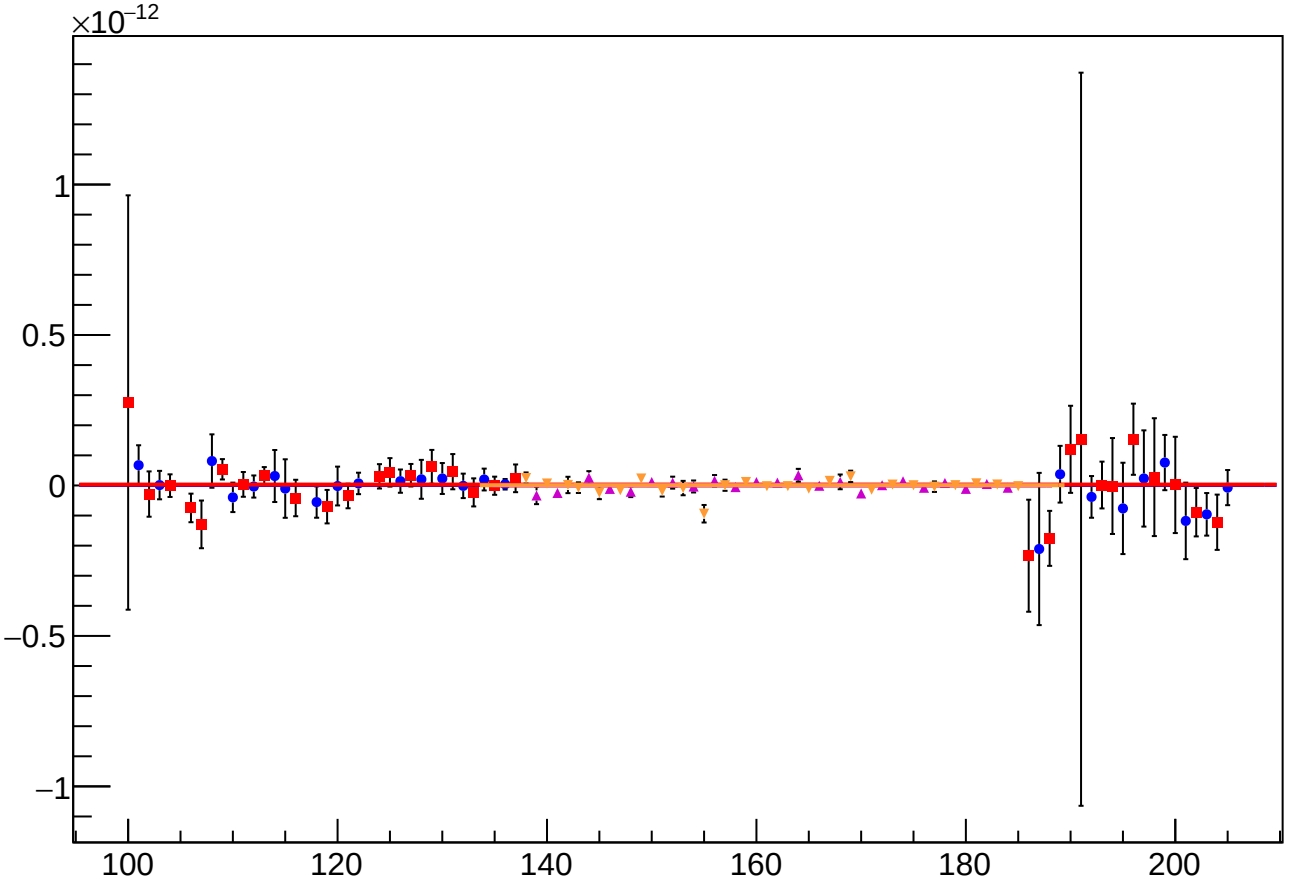
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.971+/-0.009 χ^2/NDF: 7839417.8/49

All: 60.798+/-0.006 χ^2/NDF: 15548023.8/102

- sign 62.776+/-0.009 χ^2/NDF: 7615263.6/52

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

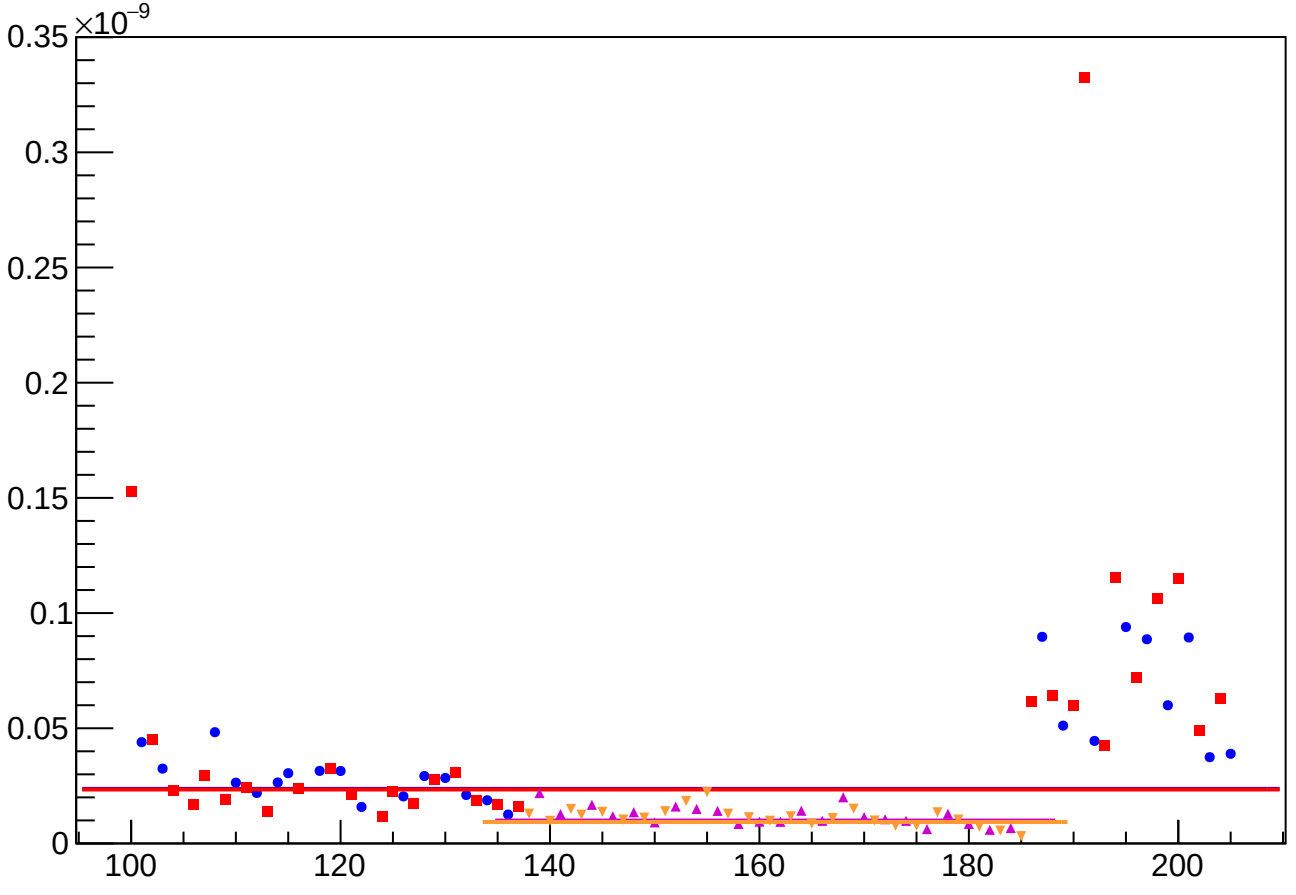
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/49

All: 0.000+/-0.000 χ^2/NDF: 82.3/102

- sign 0.000+/-0.000 χ^2/NDF: 47.5/52

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3807241.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4474480.5/29

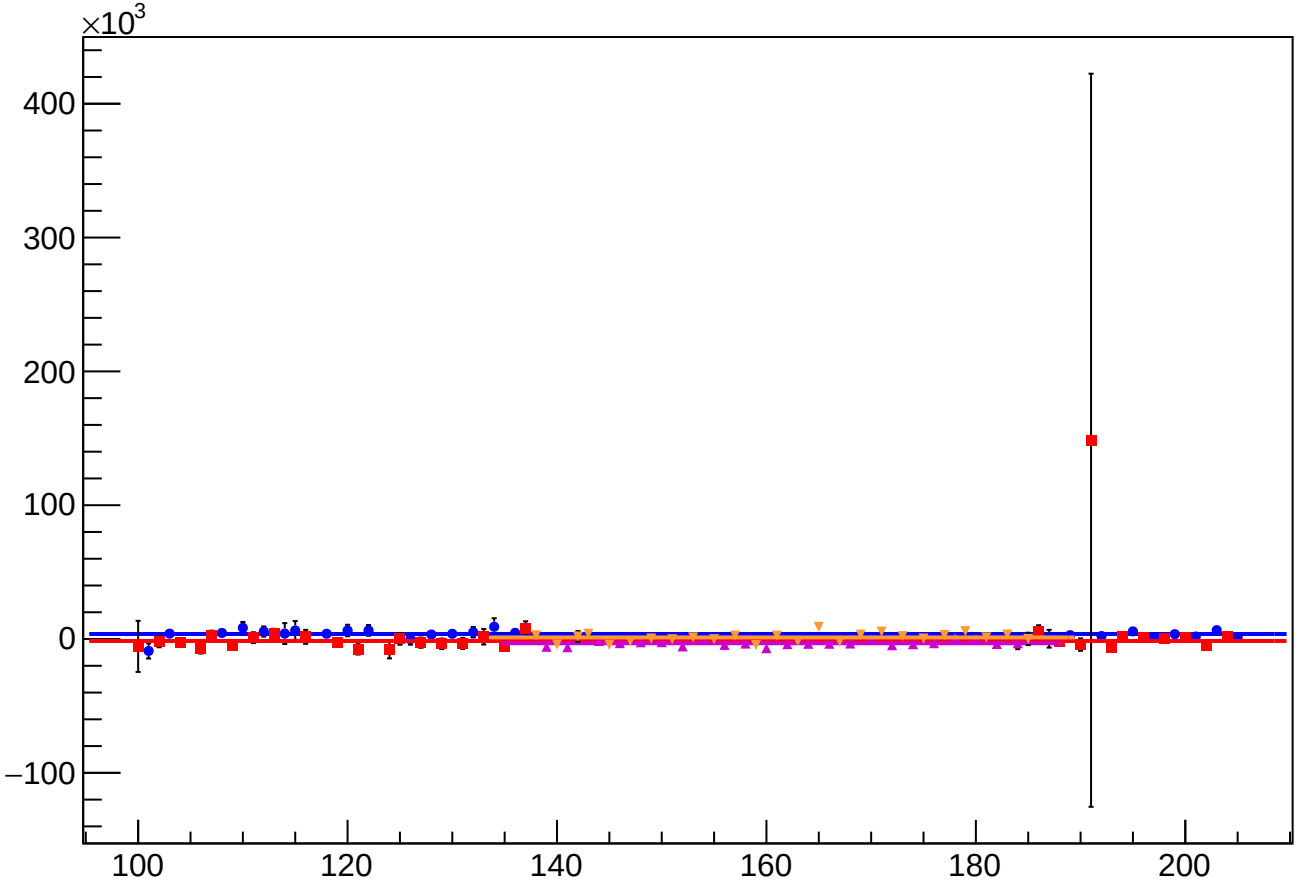
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10931103.1/49

All: 0.000+/-0.000 χ^2/NDF: 21567914.0/102

- sign 0.000+/-0.000 χ^2/NDF: 10575392.3/52

reg_asym_atr2_mean vs Slug



Right In: 3753.188+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1441.482+/-683.287 χ^2/NDF: 26.7/29

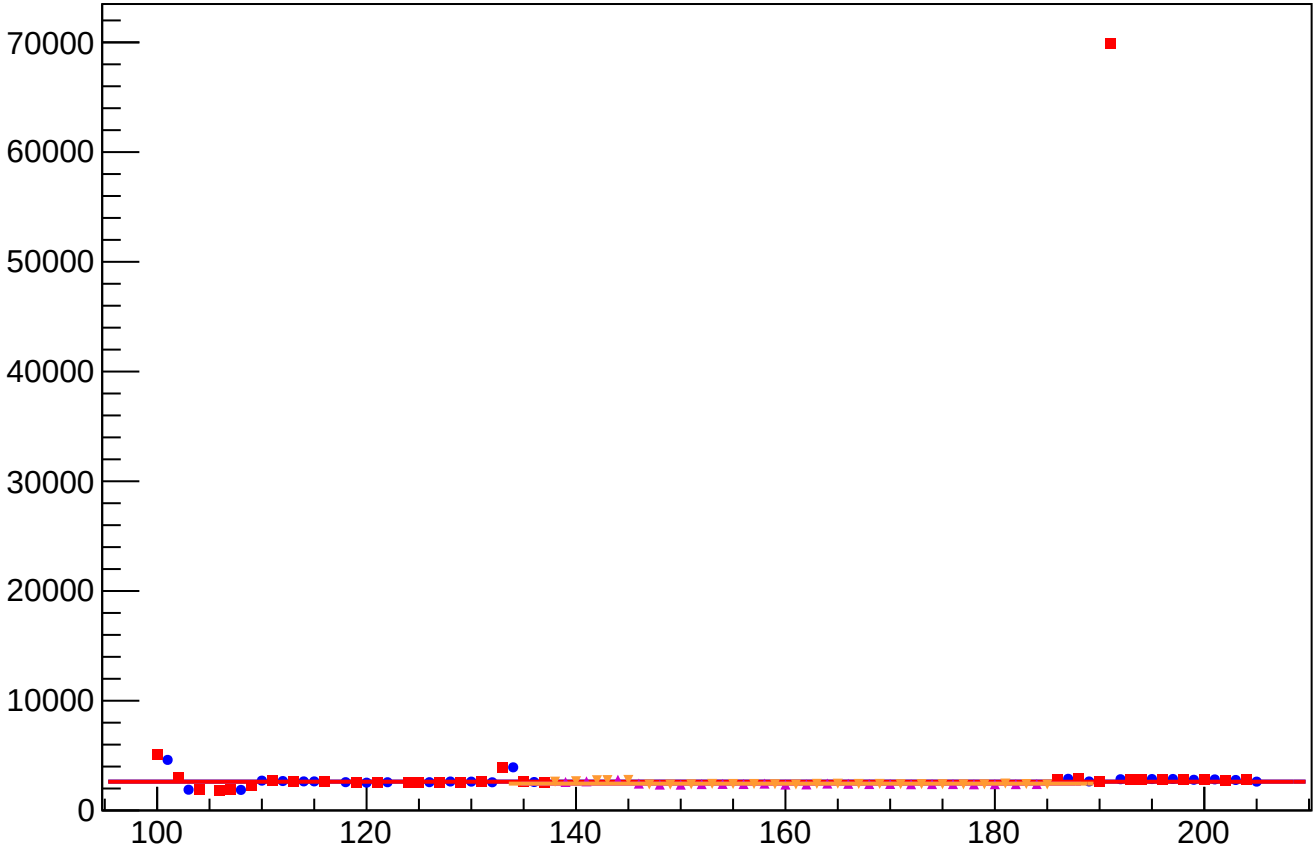
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2164.839+/-437.772 χ^2/NDF: 52.1/49

All: -144.091+/-309.401 χ^2/NDF: 150.8/102

- sign -2448.532+/-437.346 χ^2/NDF: 43.1/52

reg_asym_atr2_rms vs Slug



Right In: 2631.795+/-0.502 χ^2/NDF: 700888.9/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.448+/-0.483 χ^2/NDF: 734590.7/29

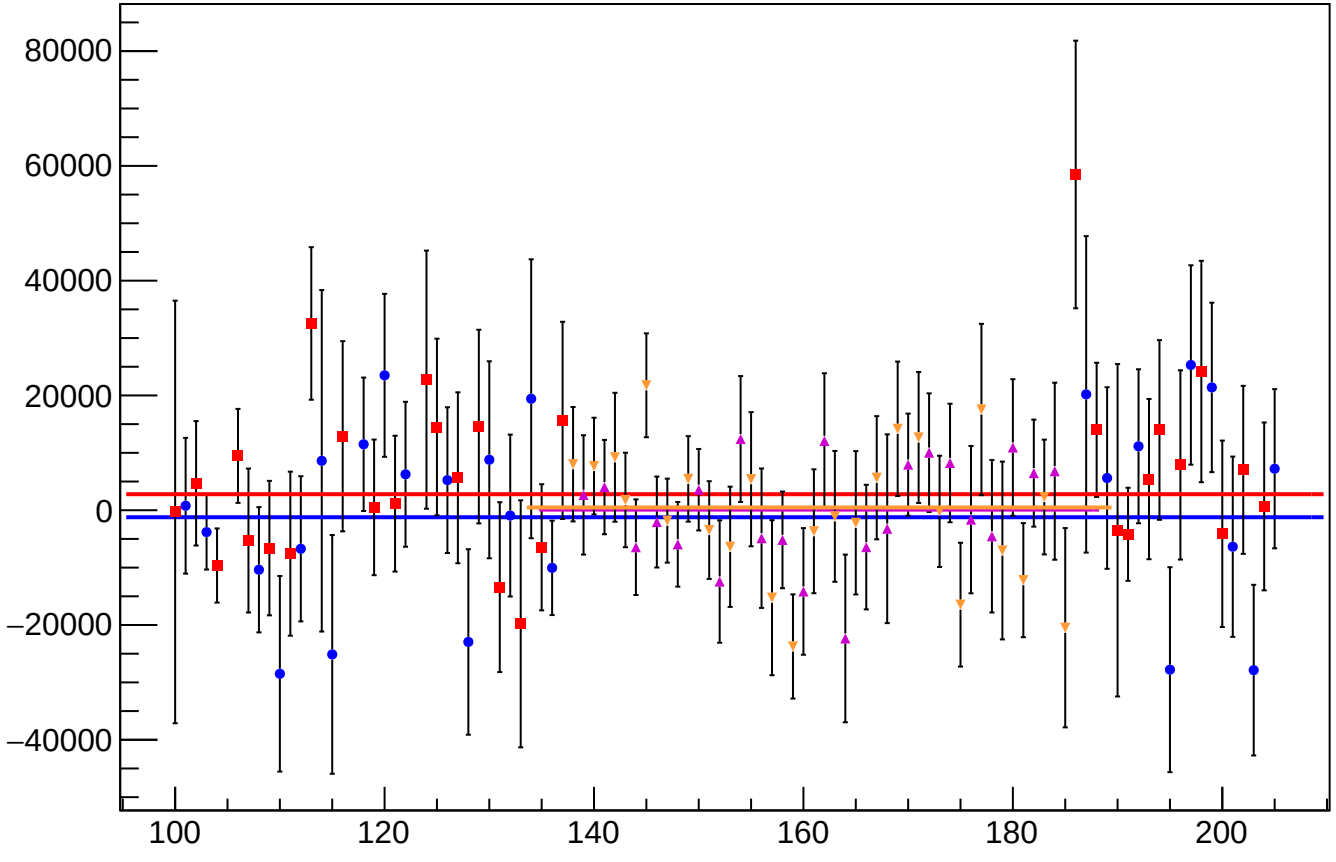
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2516.606+/-0.310 χ^2/NDF: 875990.4/49

All: 2513.658+/-0.219 χ^2/NDF: 1754174.8/10

- sign 2510.716+/-0.309 χ^2/NDF: 878003.1/52

asym_atr2_reg_correction_mean vs Slug



Right In: -1221.969+/-2659.338 χ^2/NDF: 26.2/24

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2790.089+/-2375.880 χ^2/NDF: 26.5/29

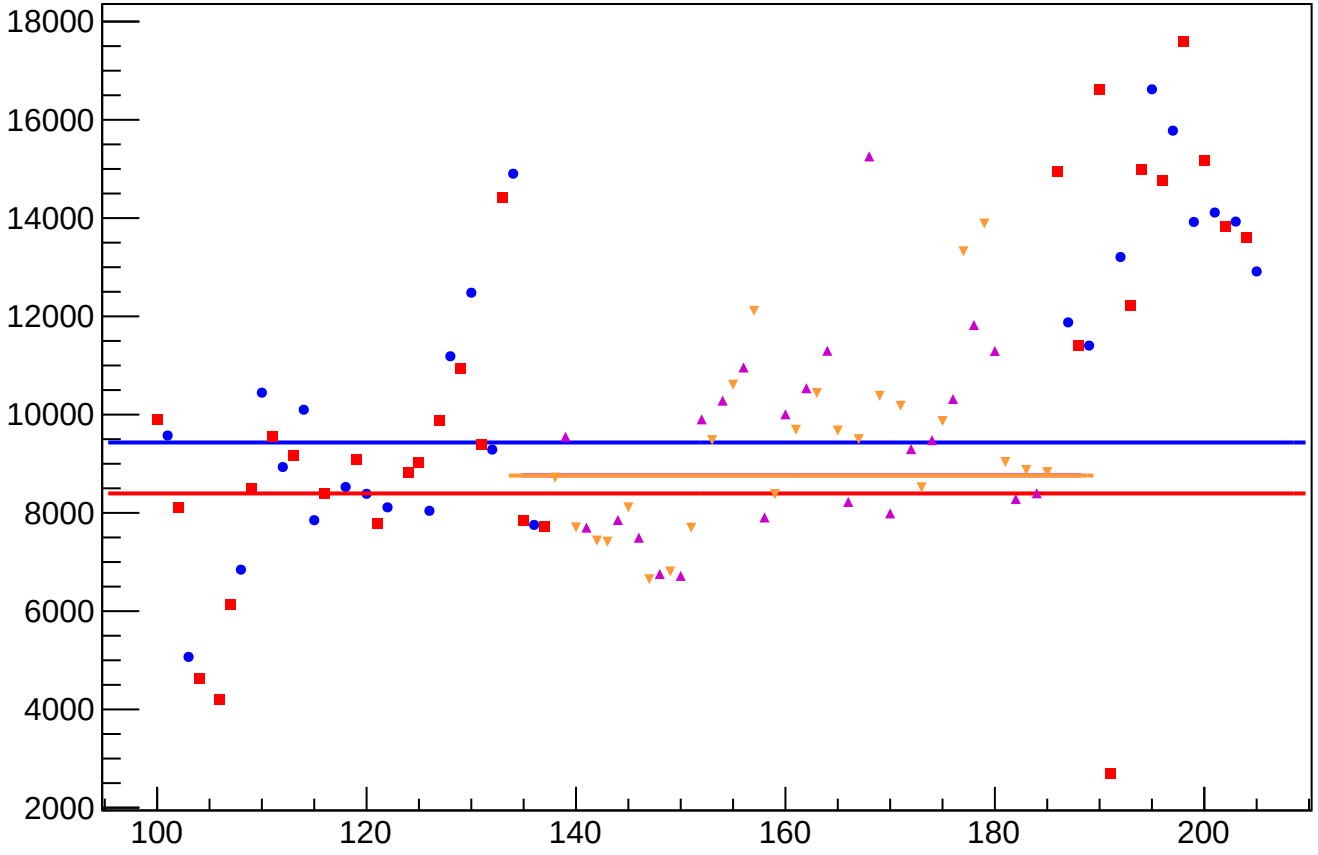
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -150.711+/-1616.596 χ^2/NDF: 53.8/49

All: 584.138+/-1126.132 χ^2/NDF: 95.9/102

- sign 1276.904+/-1569.625 χ^2/NDF: 41.7/52

asym_atr2_reg_correction_rms vs Slug



Right In: 9432.927+/-1.880 χ^2/NDF: 2837320.4/24

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8395.639+/-1.680 χ^2/NDF: 5124386.1/29

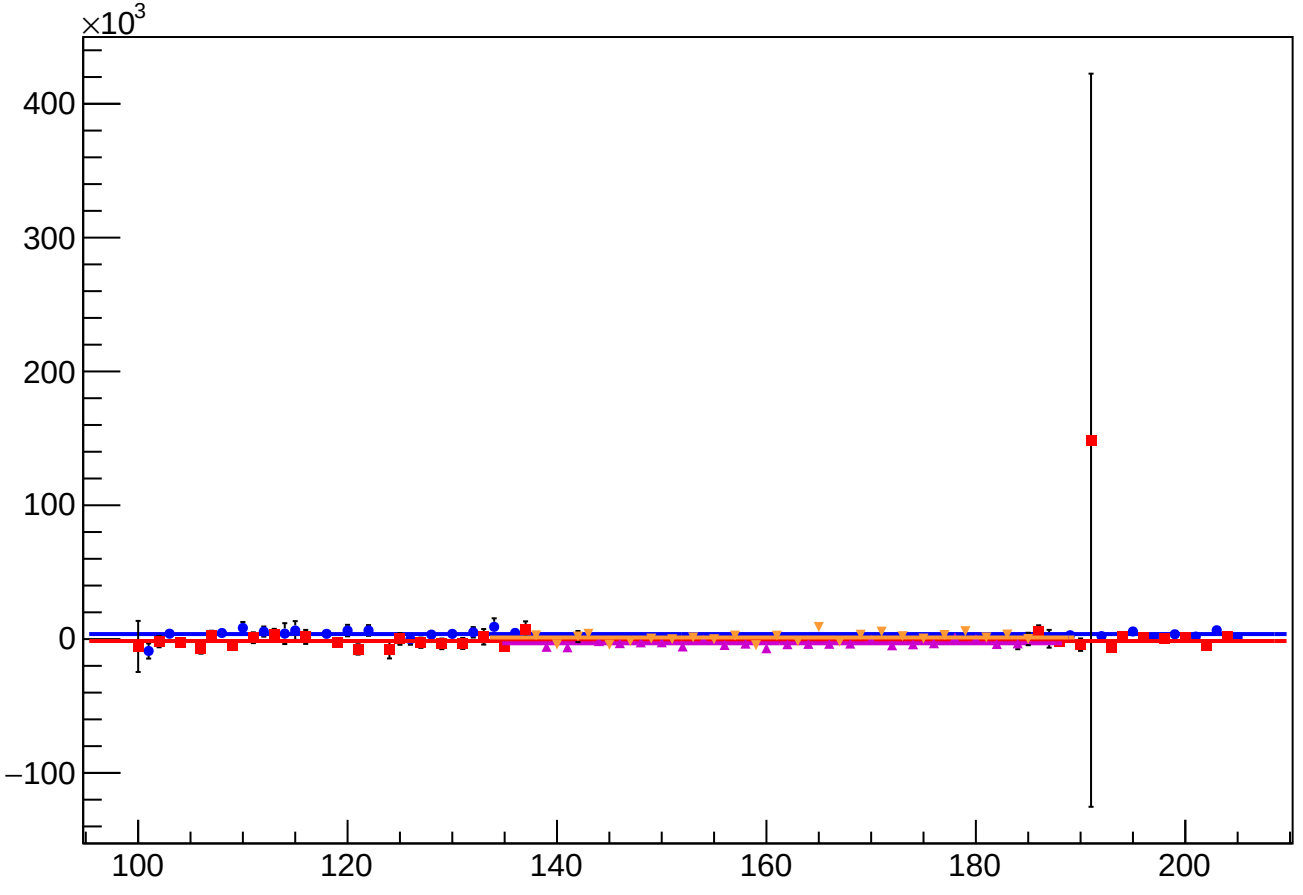
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9008.440+/-1.143 χ^2/NDF: 4140384.4/49

All: 8799.900+/-0.796 χ^2/NDF: 10648239.8/1

- sign 8603.303+/-1.110 χ^2/NDF: 6443198.1/52

cor_asym_atr2_mean vs Slug



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1441.826+/-683.290 χ^2/NDF: 26.7/29

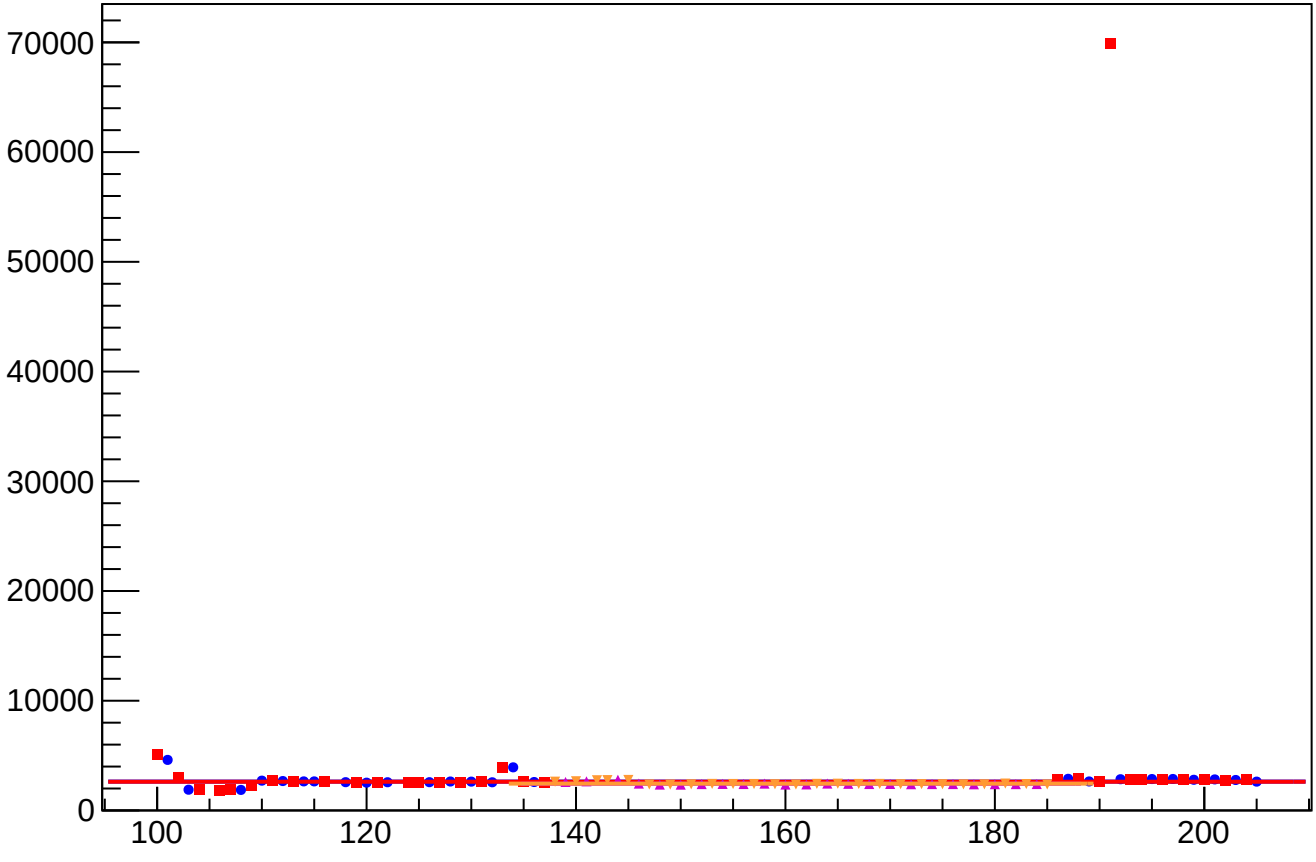
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2164.662+/-437.772 χ^2/NDF: 52.1/49

All: -144.190+/-309.401 χ^2/NDF: 150.8/102

- sign -2448.560+/-437.347 χ^2/NDF: 43.1/52

cor_asym_atr2_rms vs Slug



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

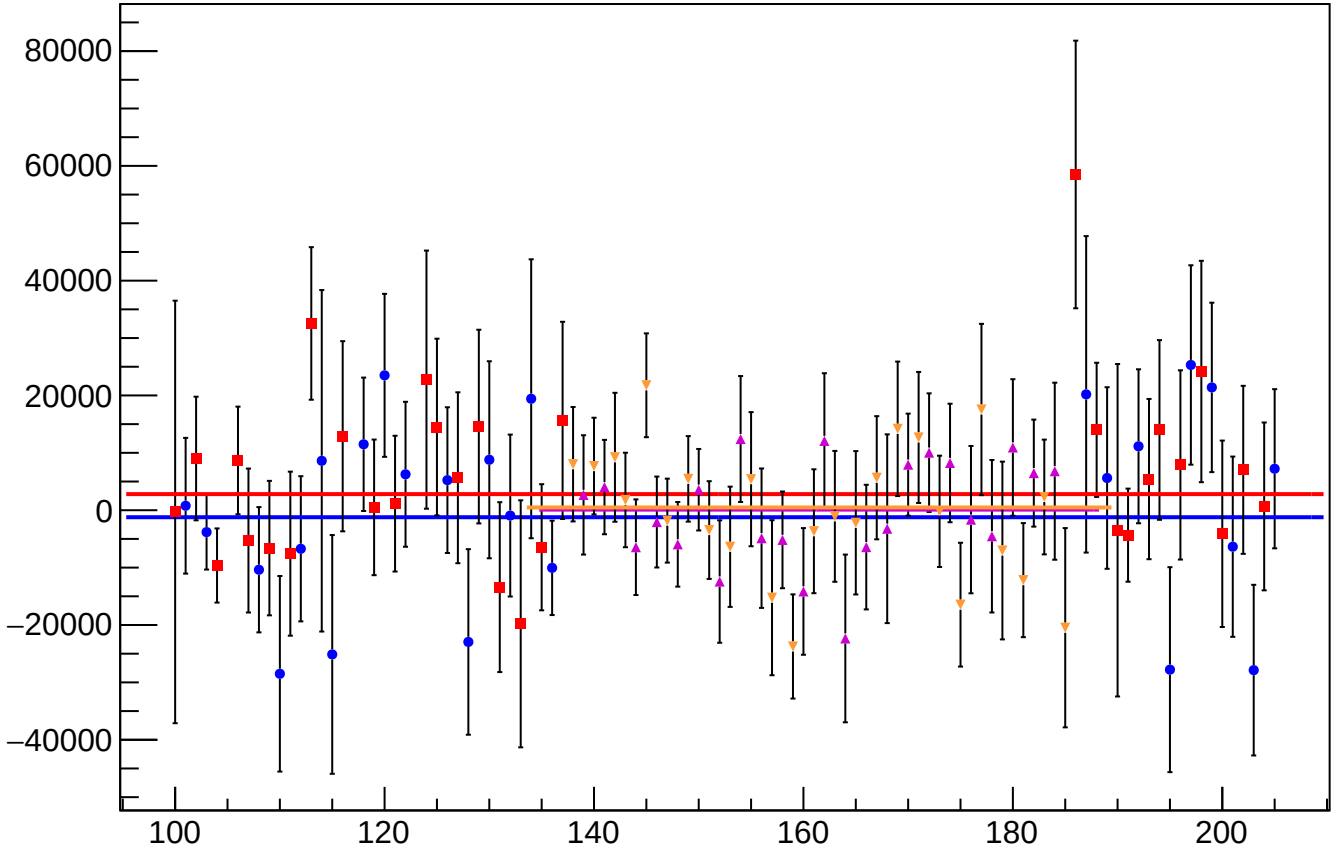
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2516.607+/-0.310 χ^2/NDF: 875988.2/49

All: 2513.661+/-0.219 χ^2/NDF: 1754110.6/10

- sign 2510.722+/-0.309 χ^2/NDF: 877941.6/52

asym_atr2_cor_correction_mean vs Slug



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2805.107+/-2399.385 χ^2/NDF: 26.5/29

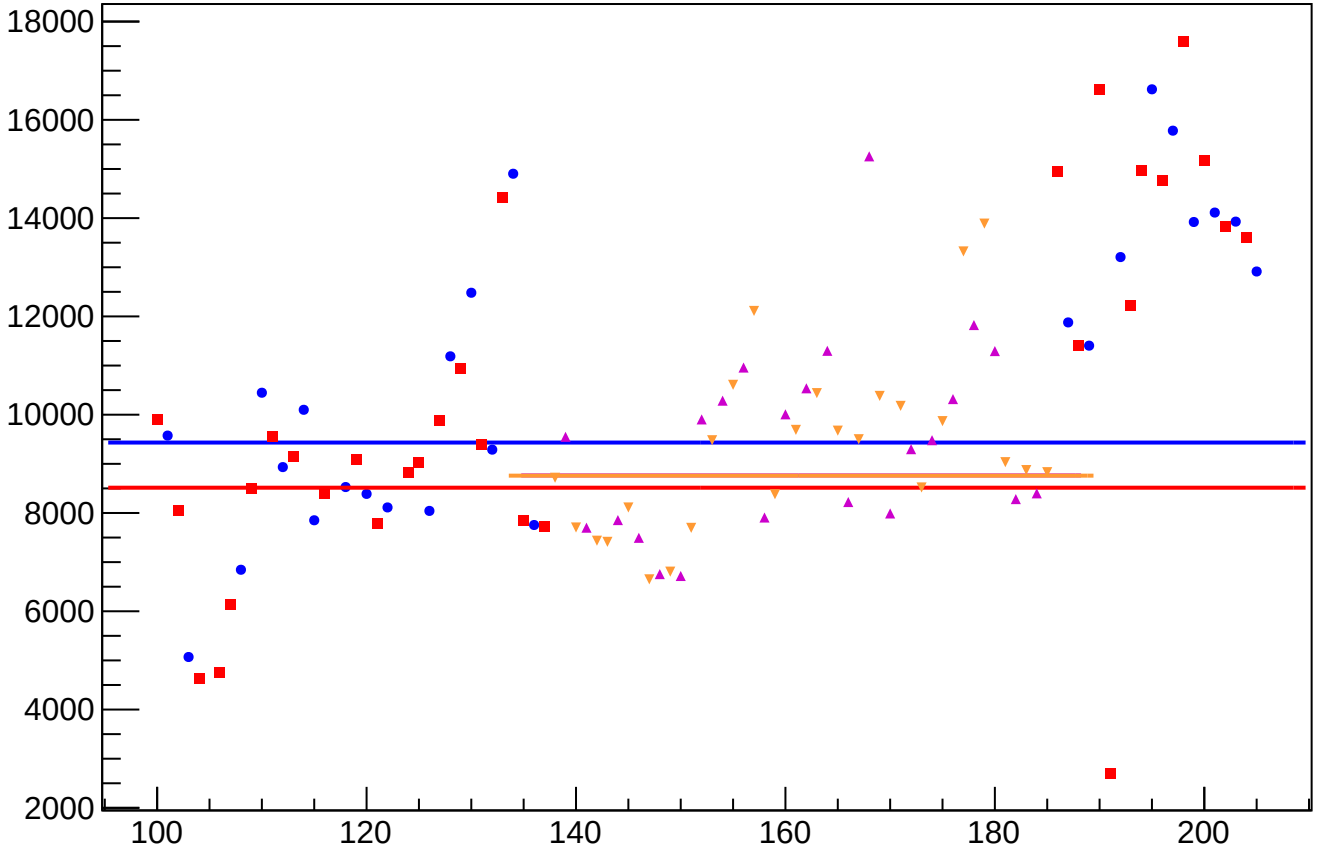
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -150.573+/-1616.608 χ^2/NDF: 53.8/49

All: 577.848+/-1128.610 χ^2/NDF: 95.9/102

- sign 1270.439+/-1576.346 χ^2/NDF: 41.7/52

asym_atr2_cor_correction_rms vs Slug



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

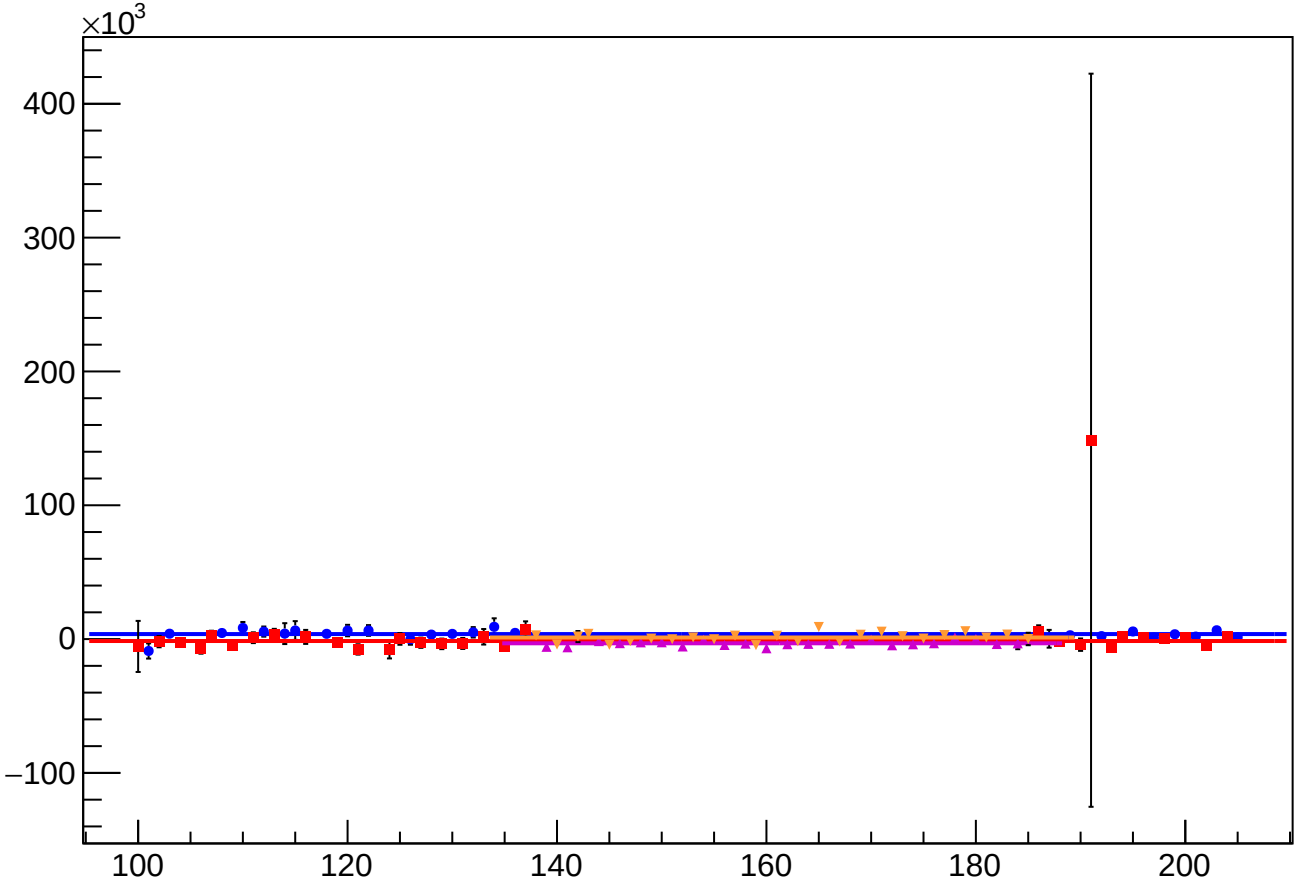
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9008.540+/-1.143 χ^2/NDF: 4139945.0/49

All: 8828.044+/-0.798 χ^2/NDF: 10386562.6/1

- sign 8656.428+/-1.115 χ^2/NDF: 6197980.5/52

eigen_cor_asym_atr2_mean vs Slug



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1441.826+/-683.290 χ^2/NDF: 26.7/29

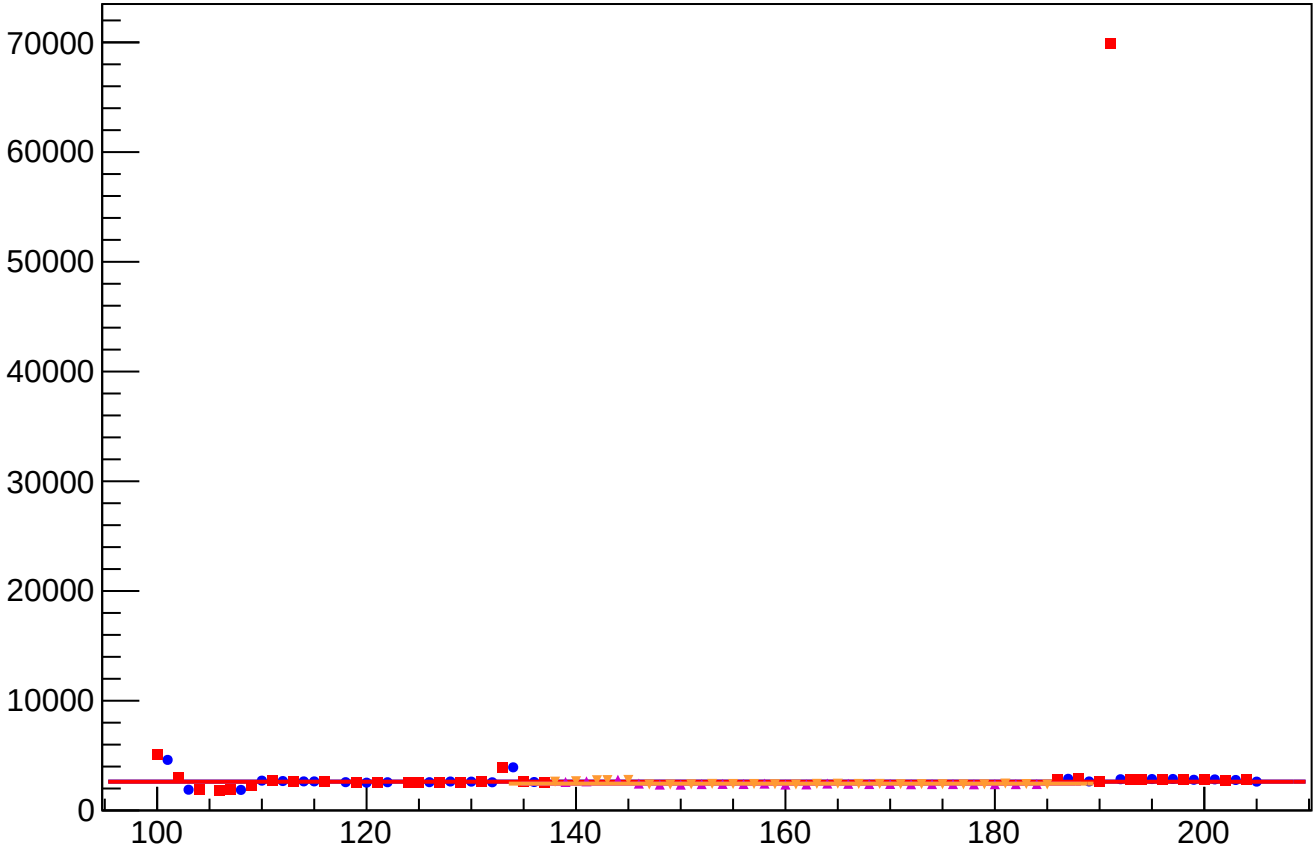
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2164.662+/-437.772 χ^2/NDF: 52.1/49

All: -144.190+/-309.401 χ^2/NDF: 150.8/102

- sign -2448.560+/-437.347 χ^2/NDF: 43.1/52

eigen_cor_asym_atr2_rms vs Slug



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

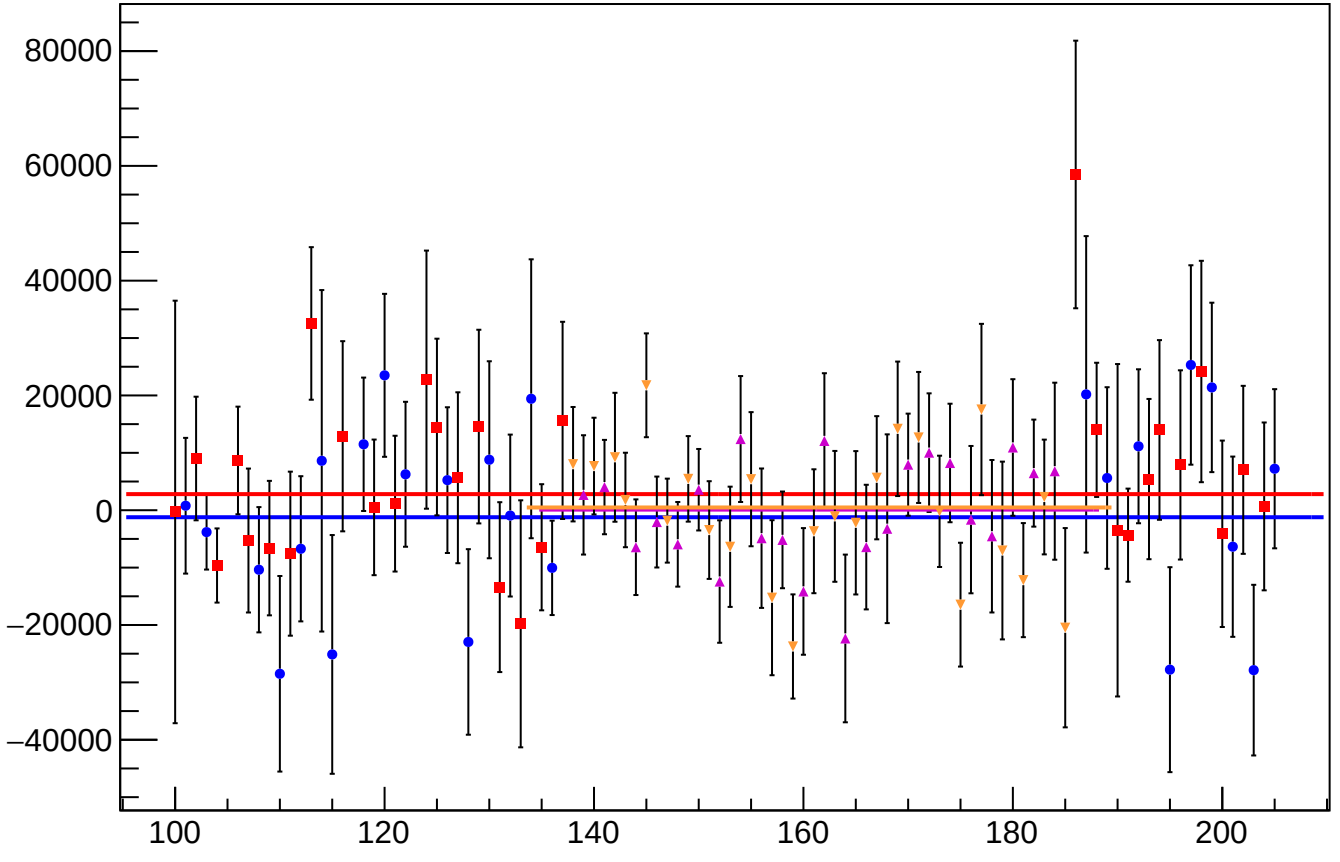
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2516.607+/-0.310 χ^2/NDF: 875988.2/49

All: 2513.661+/-0.219 χ^2/NDF: 1754110.6/10

- sign 2510.722+/-0.309 χ^2/NDF: 877941.6/52

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2805.107+/-2399.385 χ^2/NDF: 26.5/29

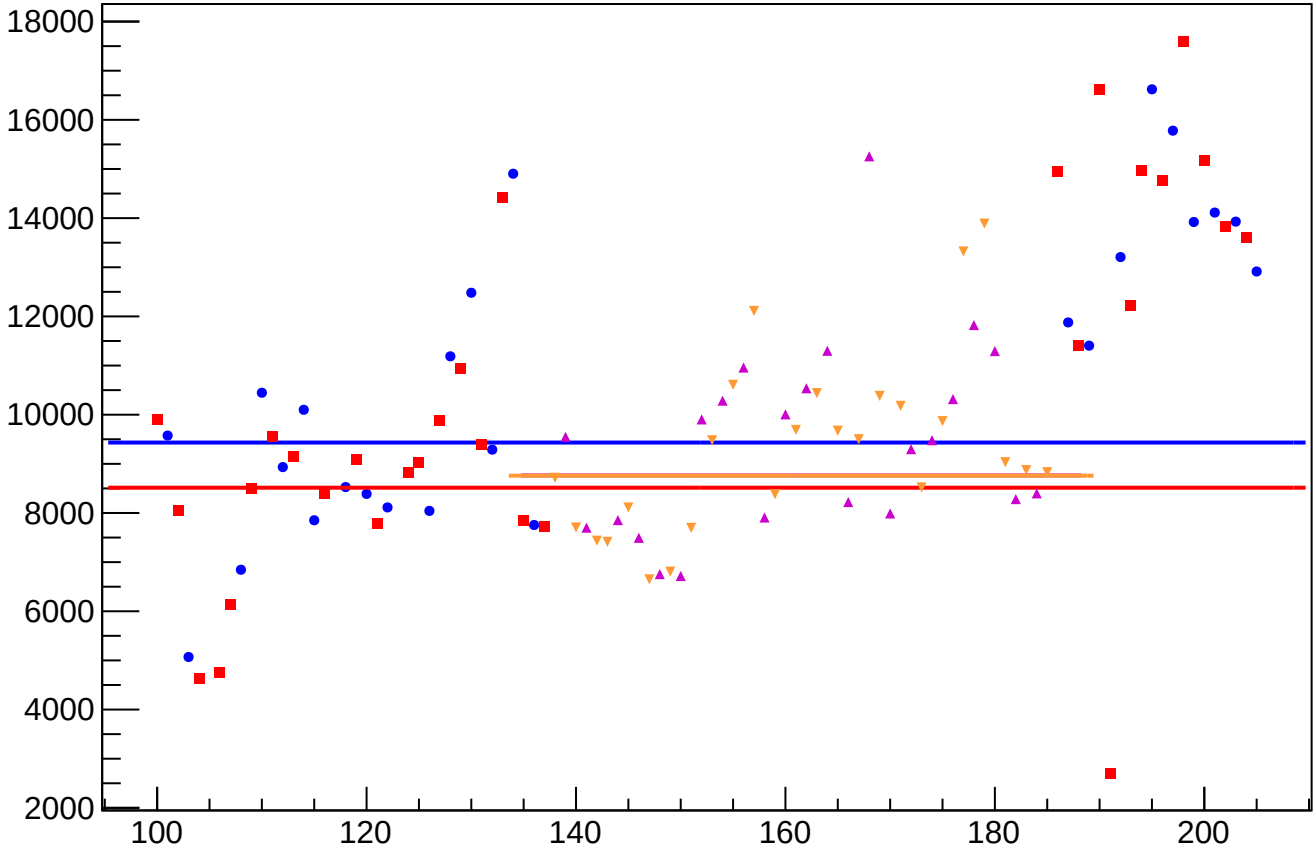
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -150.573+/-1616.608 χ^2/NDF: 53.8/49

All: 577.848+/-1128.610 χ^2/NDF: 95.9/102

- sign 1270.439+/-1576.346 χ^2/NDF: 41.7/52

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

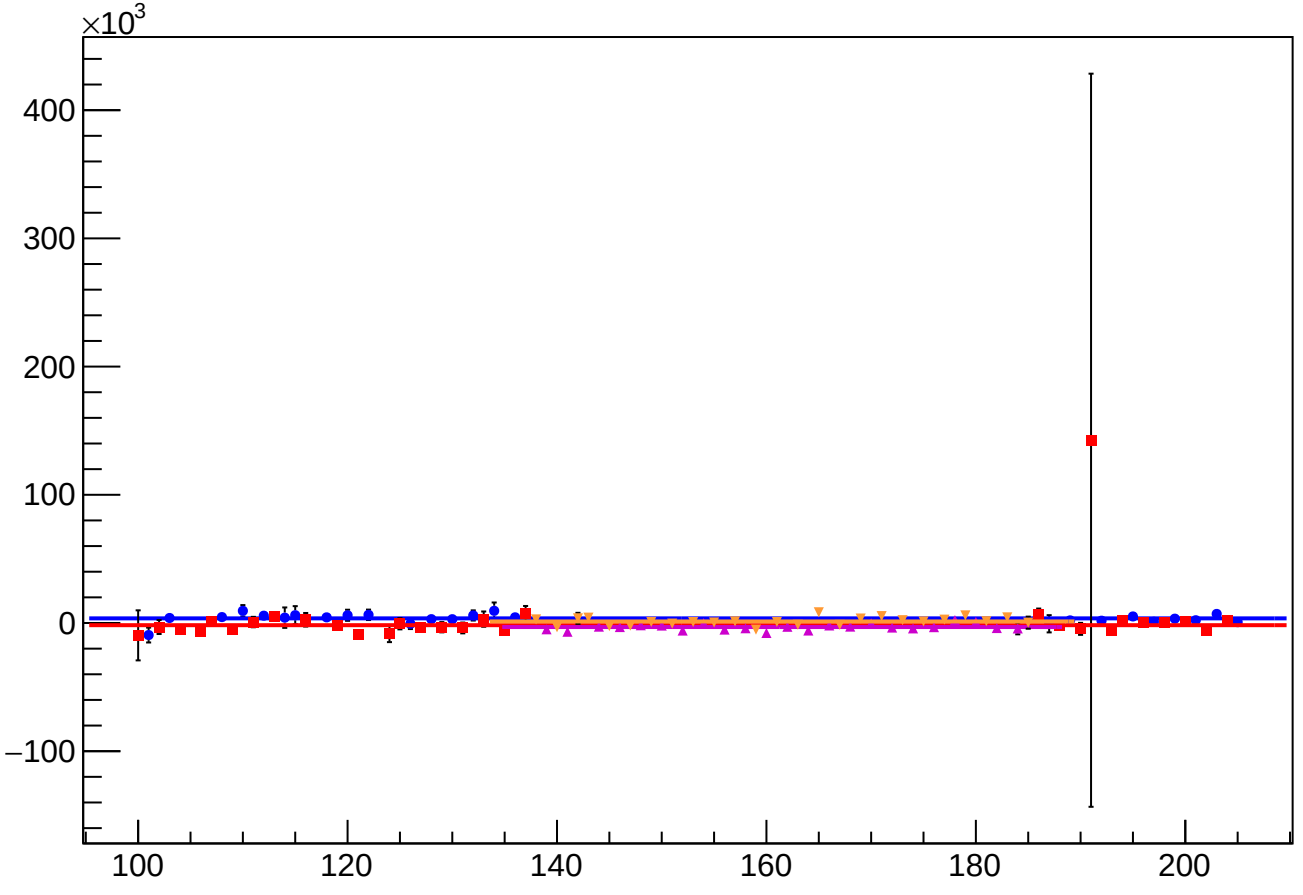
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9008.540+/-1.143 χ^2/NDF: 4139945.0/49

All: 8828.044+/-0.798 χ^2/NDF: 10386562.6/1

- sign 8656.428+/-1.115 χ^2/NDF: 6197980.5/52

dit_asym_atr2_mean vs Slug



Right In: 3611.018+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1706.449+/-707.584 χ^2/NDF: 31.1/29

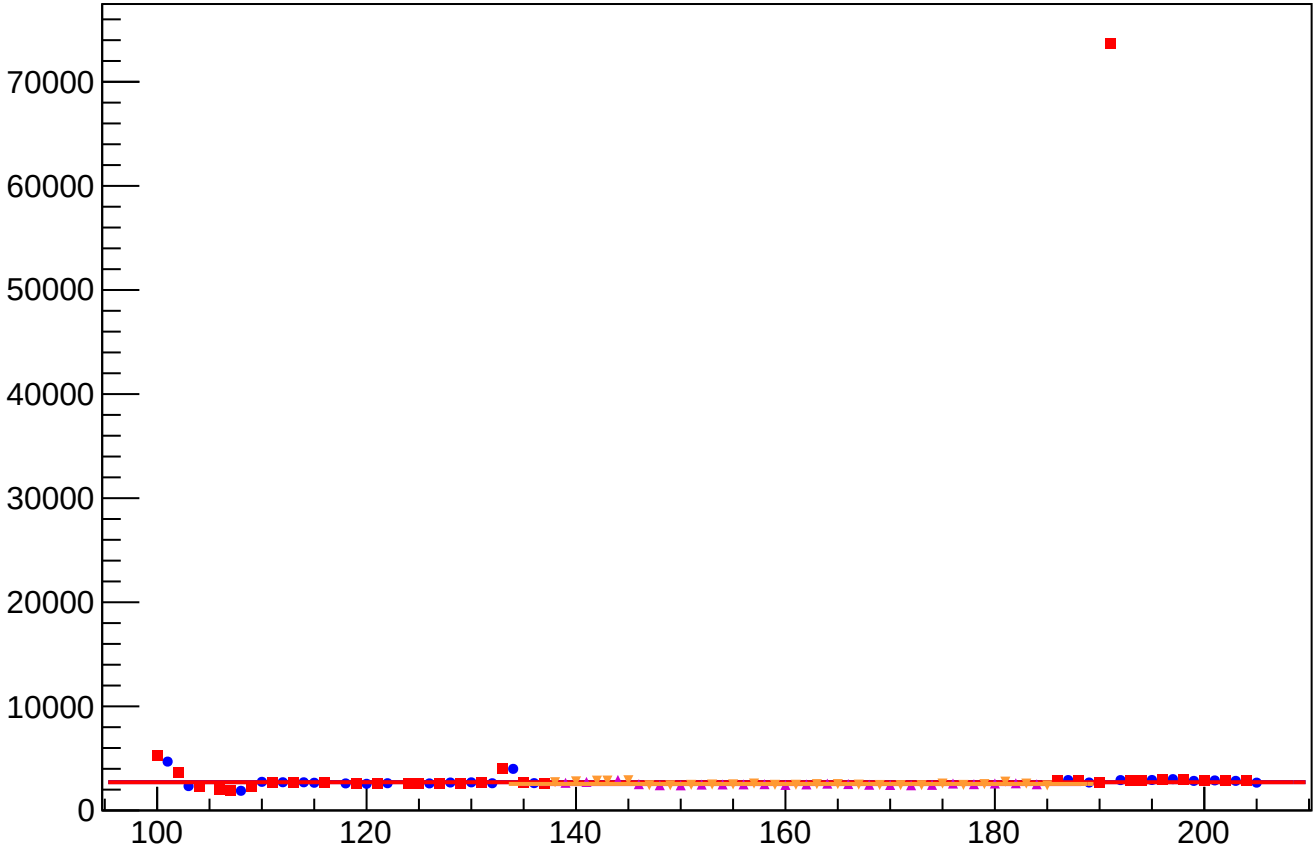
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2136.586+/-454.636 χ^2/NDF: 48.3/49

All: -212.295+/-321.286 χ^2/NDF: 151.7/102

- sign -2555.624+/-454.098 χ^2/NDF: 50.0/52

dit_asym_atr2_rms vs Slug



Right In: 2724.408+/-0.518 χ^2/NDF: 553368.2/24

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.075+/-0.500 χ^2/NDF: 637394.1/29

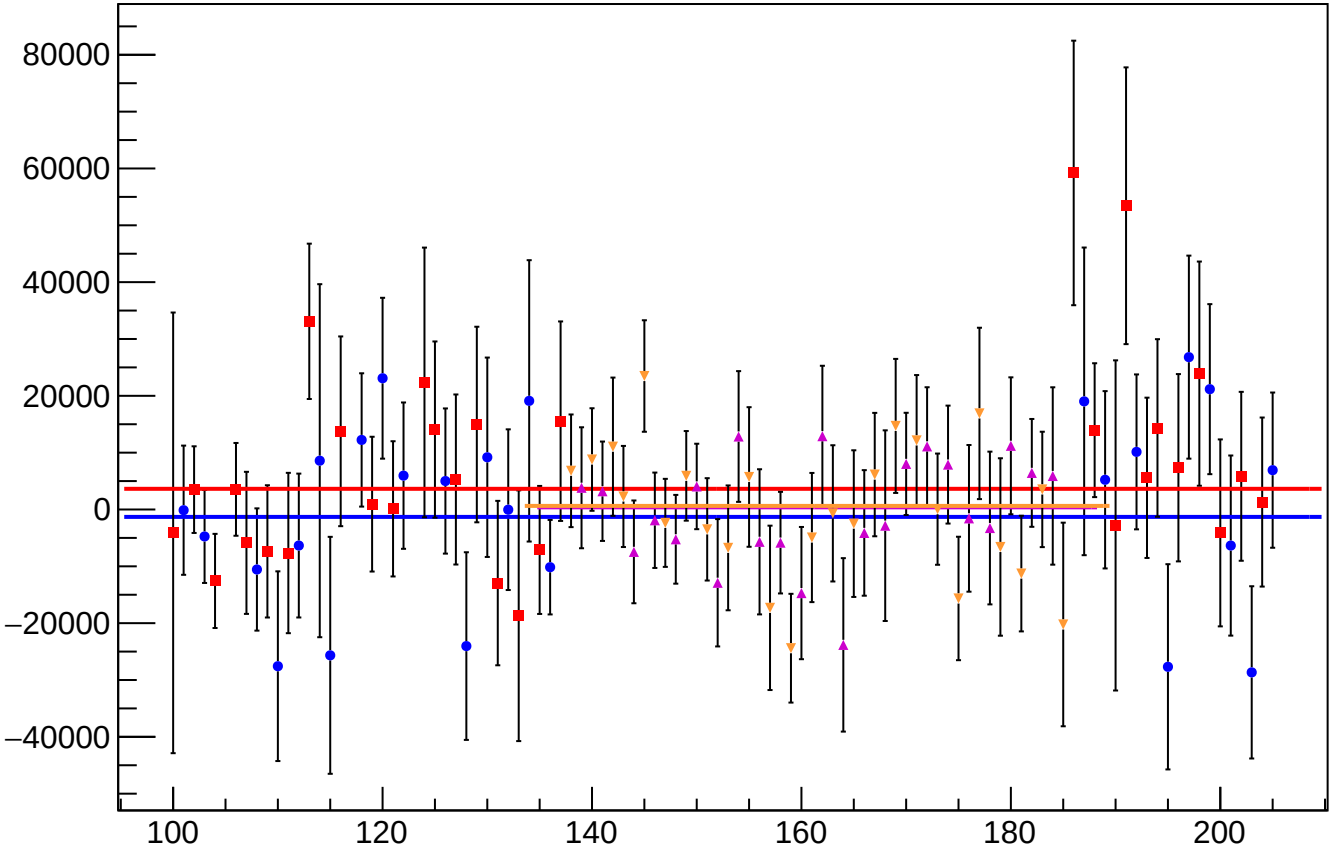
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2615.383+/-0.321 χ^2/NDF: 742643.9/49

All: 2610.803+/-0.227 χ^2/NDF: 1523604.9/10

- sign 2606.234+/-0.321 χ^2/NDF: 780555.5/52

asym_atr2_dit_correction_mean vs Slug



Right In: -1304.067+/-2750.443 χ^2/NDF: 26.0/24

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3637.632+/-2490.588 χ^2/NDF: 28.9/29

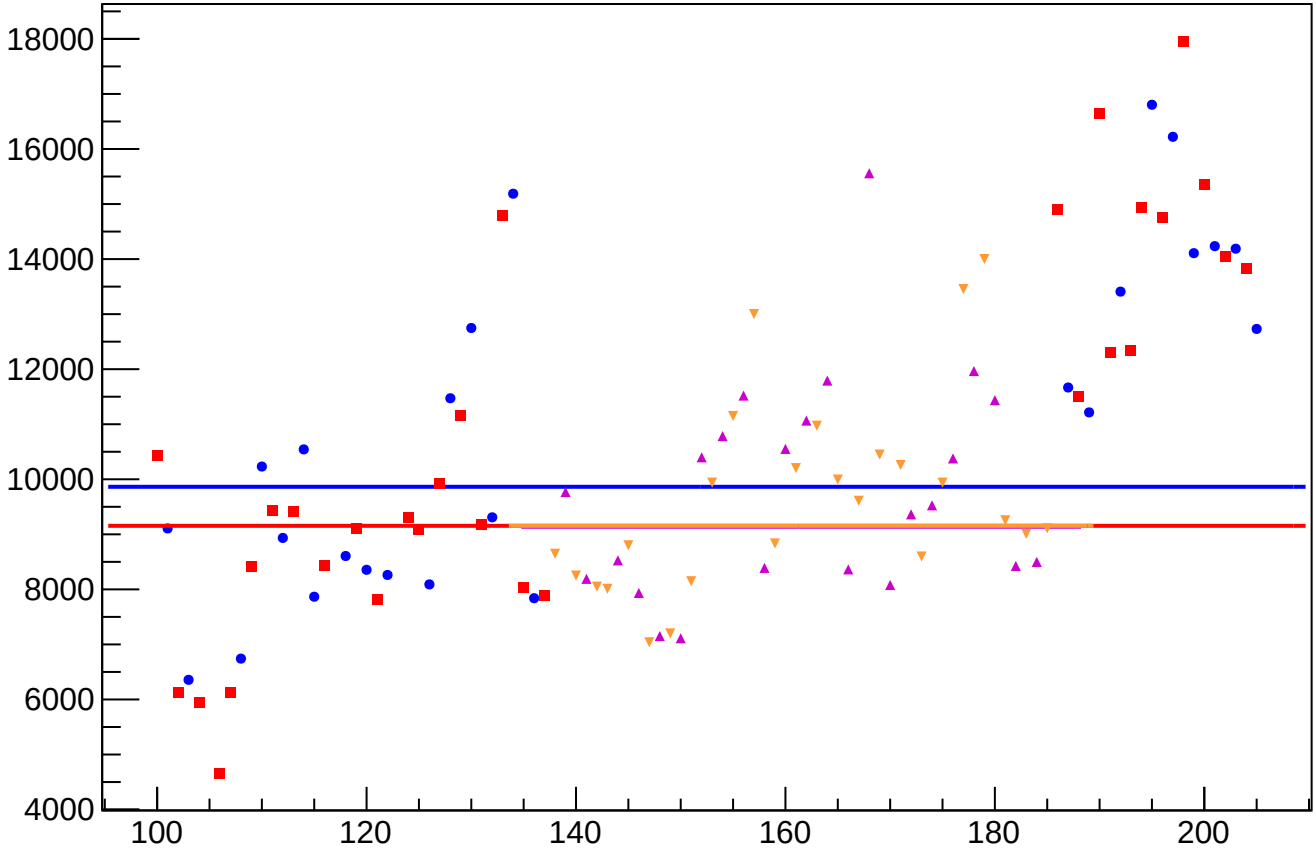
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -91.278+/-1680.640 χ^2/NDF: 53.0/49

All: 872.690+/-1173.327 χ^2/NDF: 97.8/102

- sign 1789.280+/-1638.819 χ^2/NDF: 44.2/52

asym_atr2_dit_correction_rms vs Slug



Right In: 9863.547+/-1.945 χ^2/NDF: 2250922.8/24

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9154.785+/-1.761 χ^2/NDF: 3648082.5/29

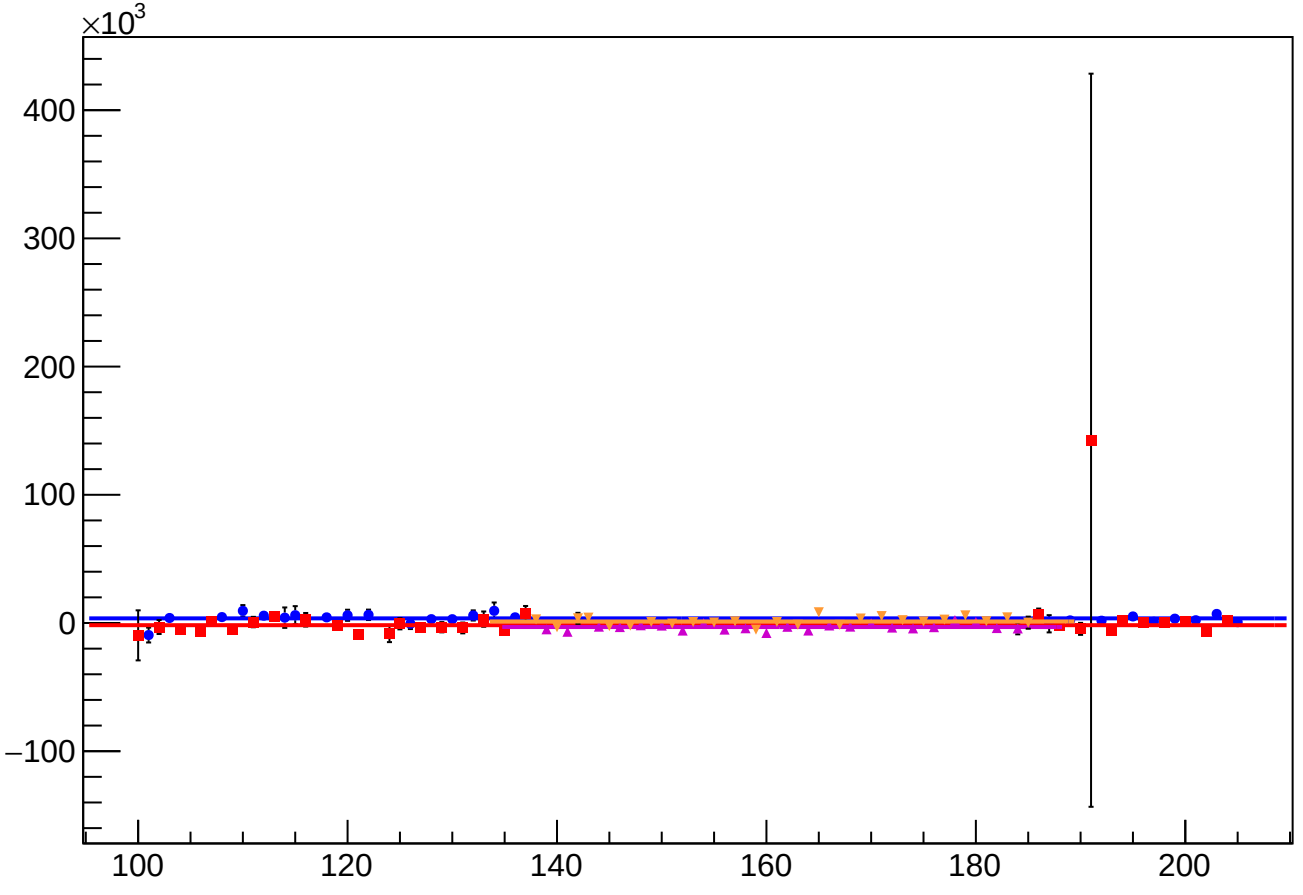
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9419.358+/-1.188 χ^2/NDF: 3406240.8/49

All: 9278.737+/-0.830 χ^2/NDF: 8254485.0/10

- sign 9145.027+/-1.159 χ^2/NDF: 4820928.9/52

eigen_dit_asym_atr2_mean vs Slug



Right In: 3611.017+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1706.452+/-707.584 χ^2/NDF: 31.1/29

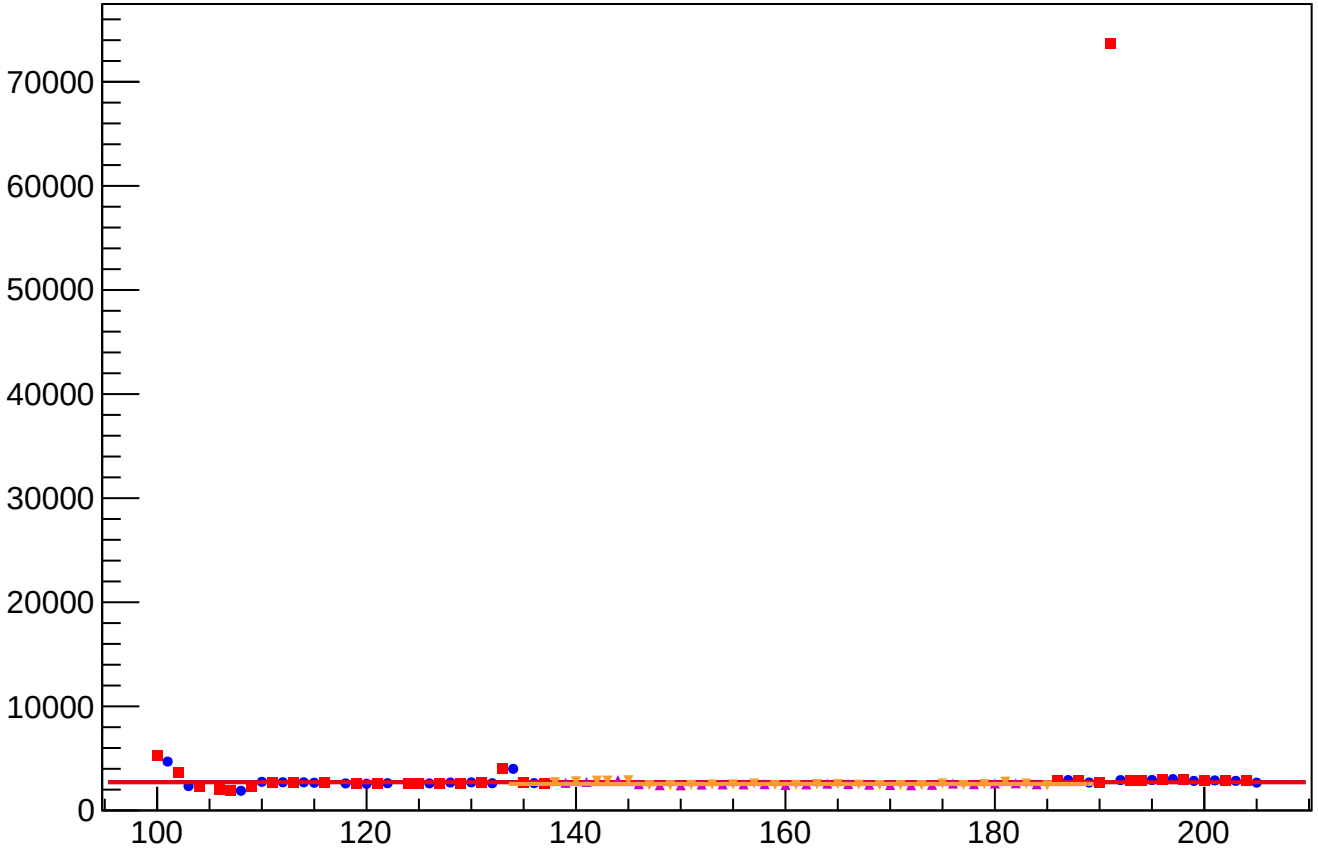
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2136.580+/-454.636 χ^2/NDF: 48.3/49

All: -212.297+/-321.286 χ^2/NDF: 151.7/102

- sign -2555.624+/-454.098 χ^2/NDF: 50.0/52

eigen_dit_asym_atr2_rms vs Slug



Right In: 2724.407+/-0.518 χ^2/NDF: 553368.9/24

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.076+/-0.500 χ^2/NDF: 637394.1/29

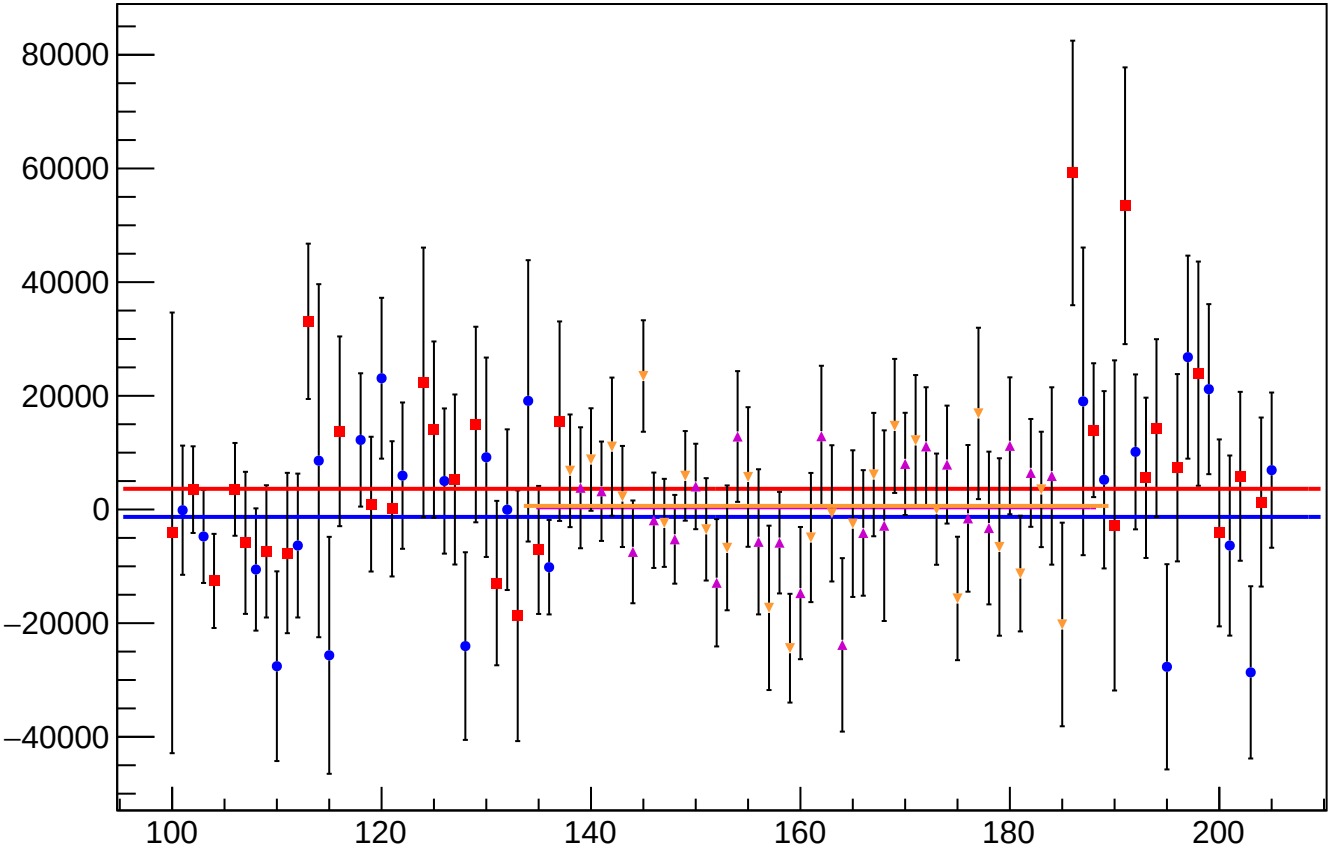
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2615.384+/-0.321 χ^2/NDF: 742642.8/49

All: 2610.804+/-0.227 χ^2/NDF: 1523602.2/10

- sign 2606.235+/-0.321 χ^2/NDF: 780554.0/52

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -1304.045+/-2750.441 χ^2/NDF: 26.0/24

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3637.622+/-2490.585 χ^2/NDF: 28.9/29

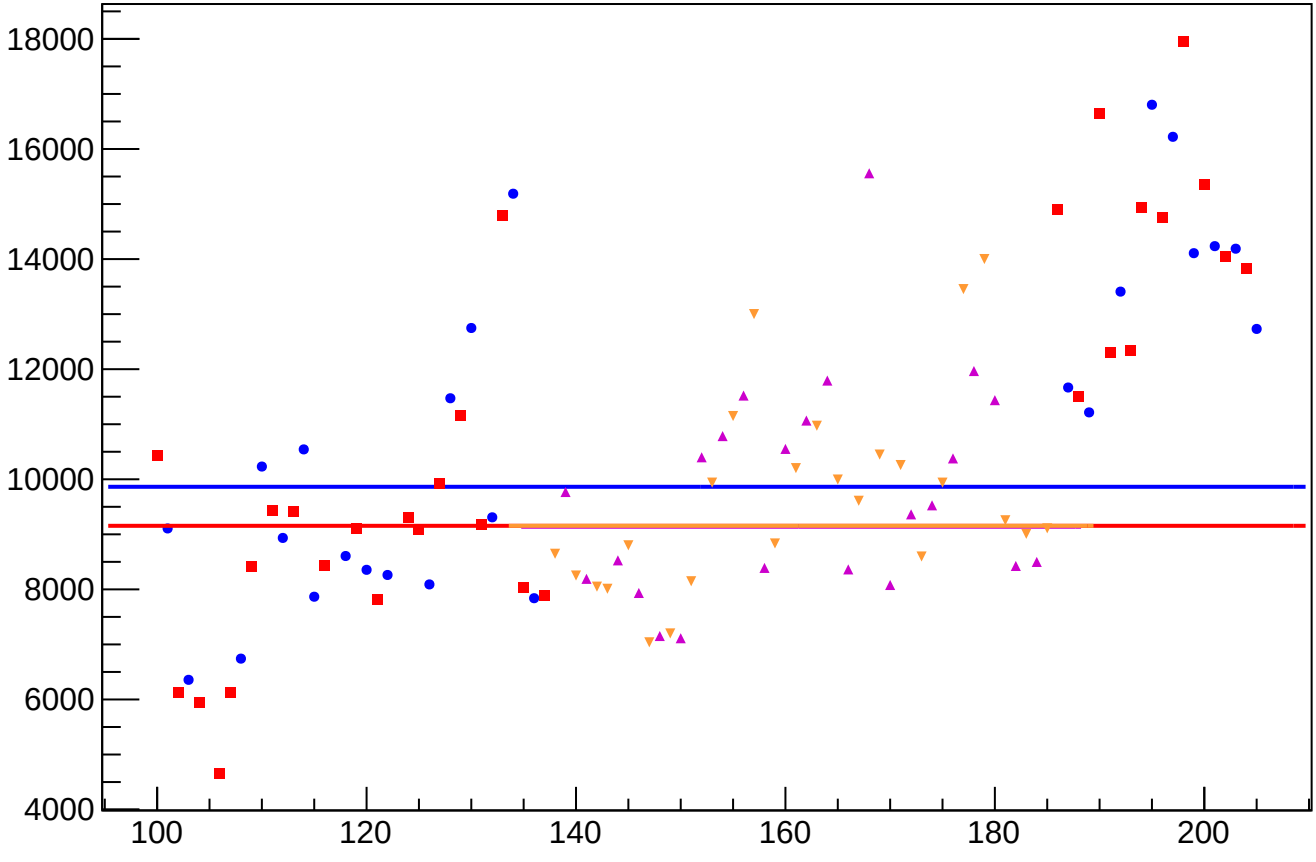
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -91.275+/-1680.642 χ^2/NDF: 53.0/49

All: 872.693+/-1173.327 χ^2/NDF: 97.8/102

- sign 1789.283+/-1638.820 χ^2/NDF: 44.2/52

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9863.540+/-1.945 χ^2/NDF: 2250932.9/24

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9154.774+/-1.761 χ^2/NDF: 3648096.8/29

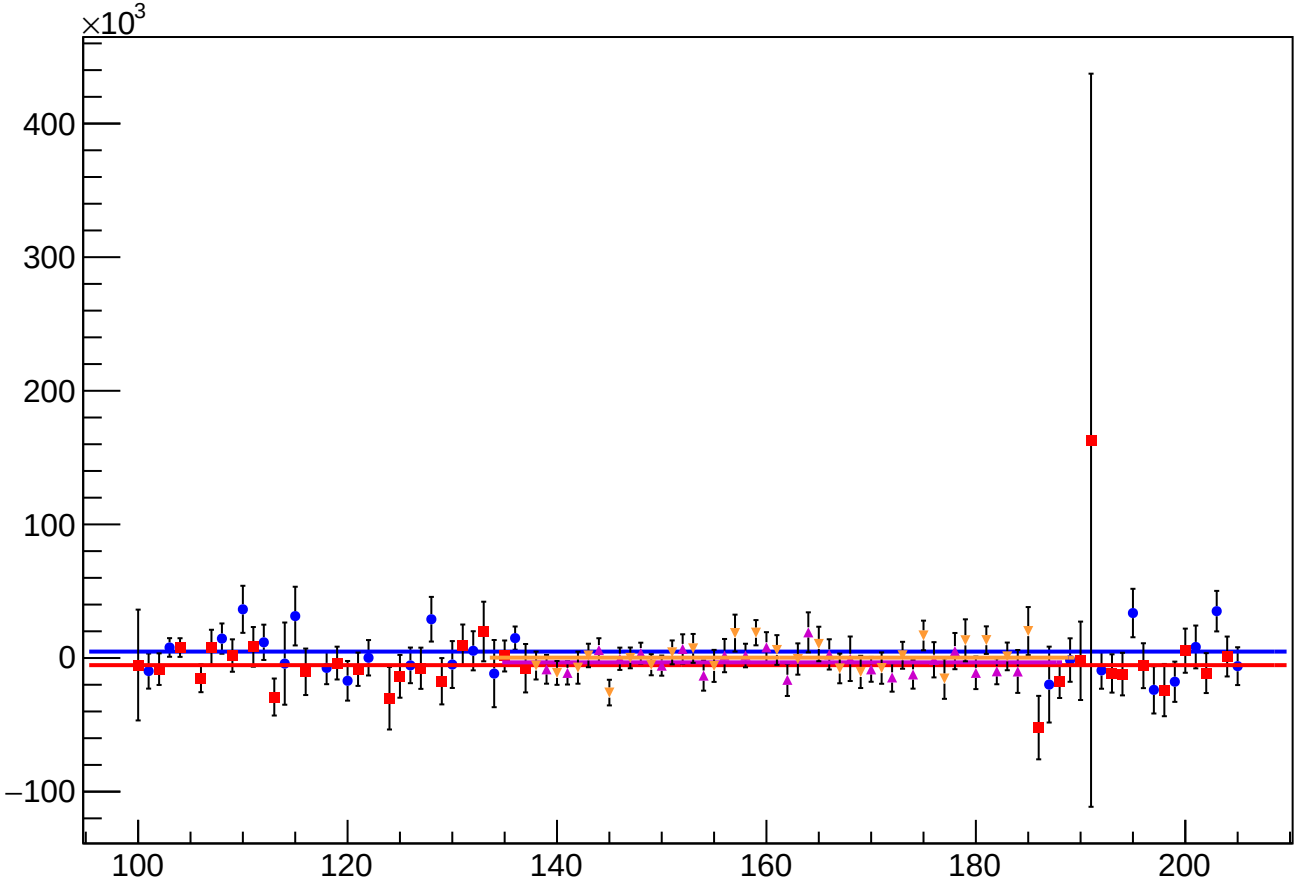
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9419.365+/-1.188 χ^2/NDF: 3406247.5/49

All: 9278.742+/-0.830 χ^2/NDF: 8254510.4/10

- sign 9145.030+/-1.159 χ^2/NDF: 4820946.9/52

asym_atr2_mean vs Slug



Right In: 4816.033+/-2778.890 χ^2/NDF: 29.3/24

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5329.407+/-2639.129 χ^2/NDF: 21.8/29

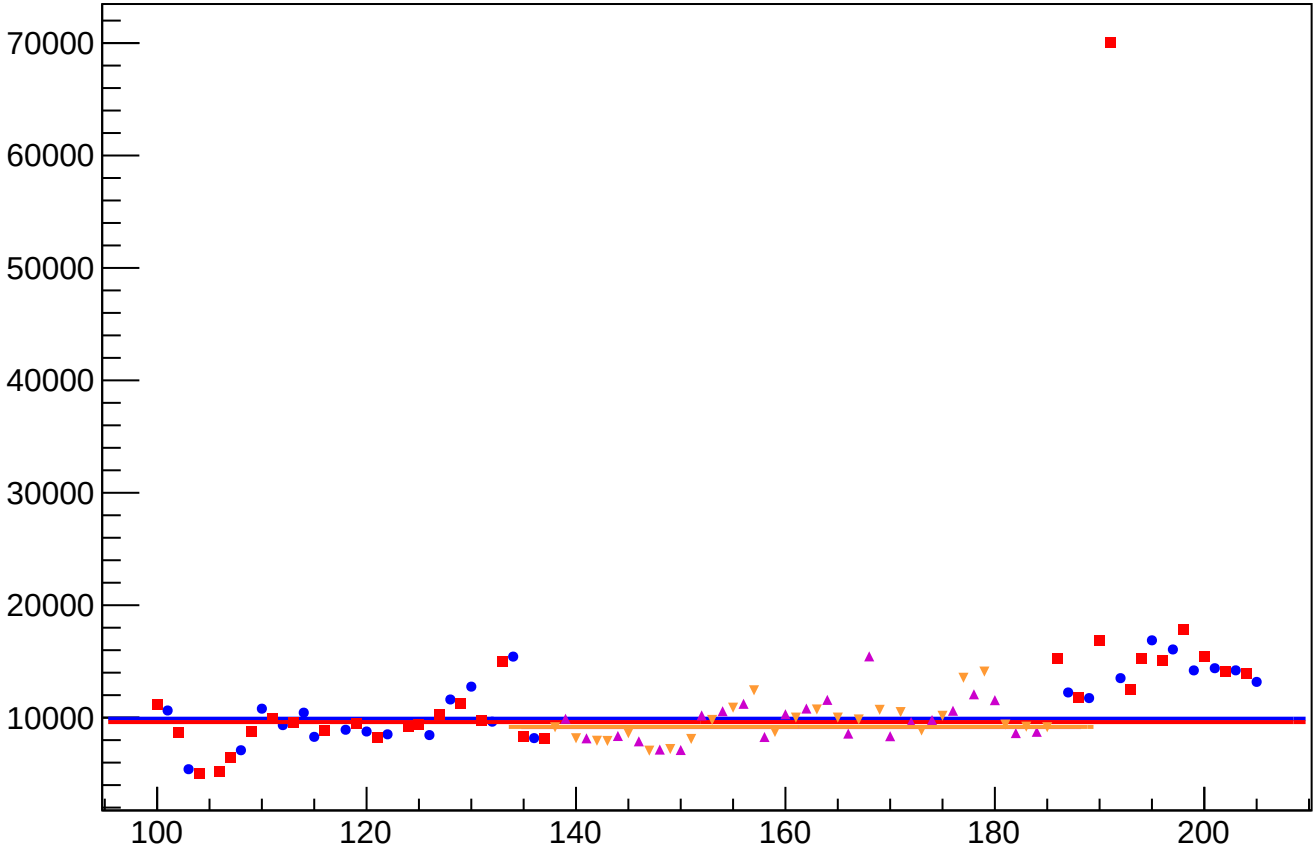
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1963.612+/-1688.212 χ^2/NDF: 57.3/49

All: -1073.525+/-1191.072 χ^2/NDF: 99.4/102

- sign -4083.595+/-1680.672 χ^2/NDF: 35.7/52

asym_atr2_rms vs Slug



Right In: 9906.618+/-1.965 χ^2/NDF: 2604796.2/24

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9604.359+/-1.866 χ^2/NDF: 3491668.4/29

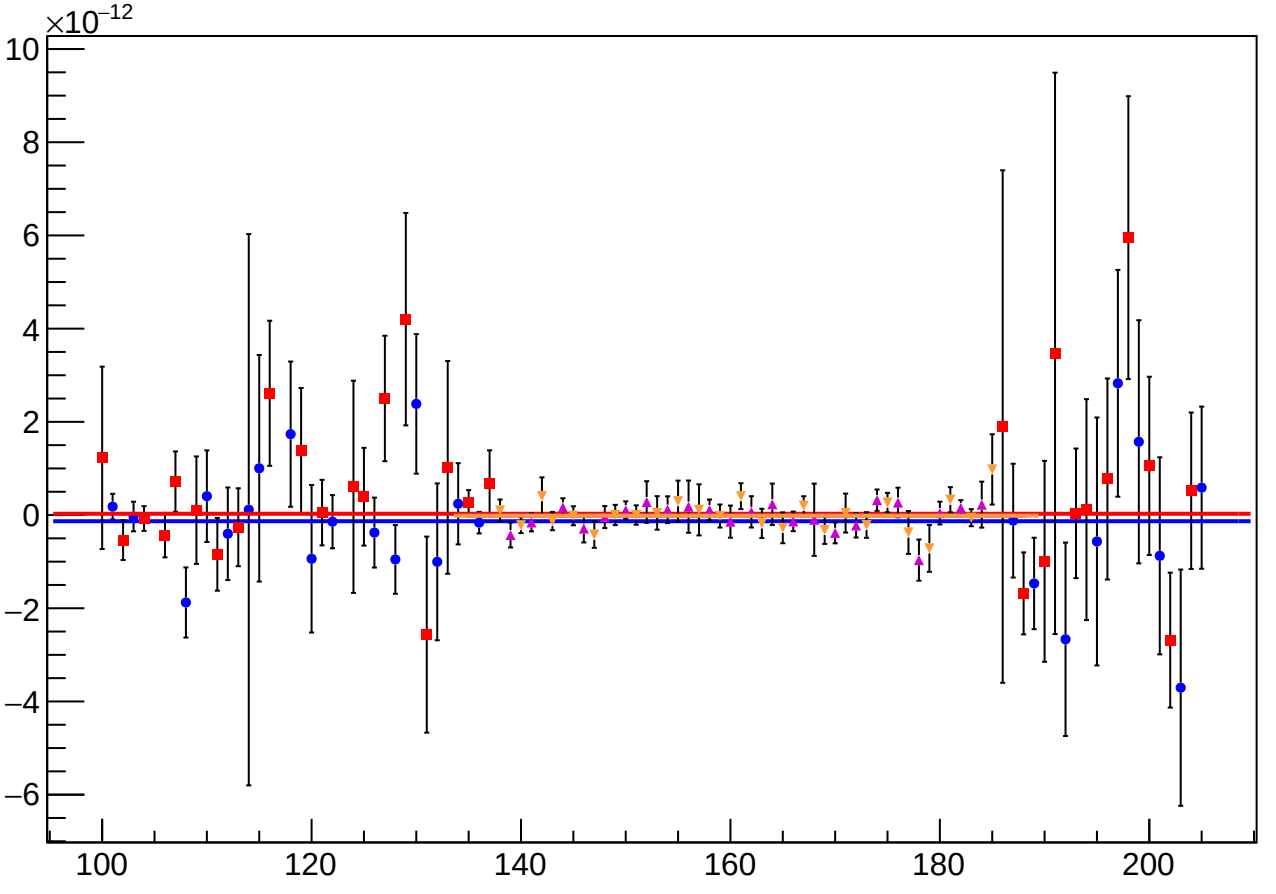
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9443.648+/-1.194 χ^2/NDF: 3749729.0/49

All: 9392.379+/-0.842 χ^2/NDF: 8405964.8/10

- sign 9341.568+/-1.188 χ^2/NDF: 4652563.2/52

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

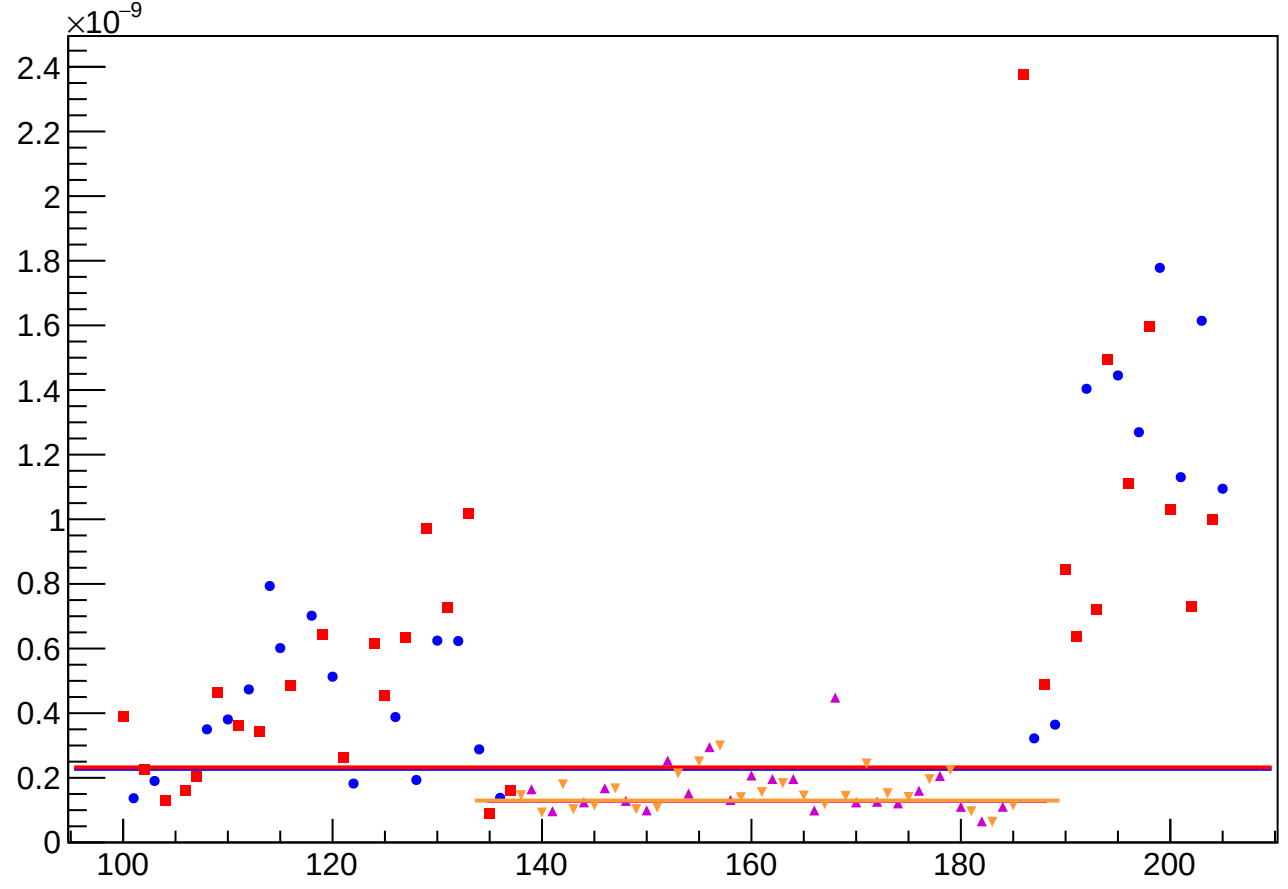
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/49

All: -0.000+/-0.000 χ^2/NDF: 92.7/102

- sign -0.000+/-0.000 χ^2/NDF: 51.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5097046.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5430561.9/29

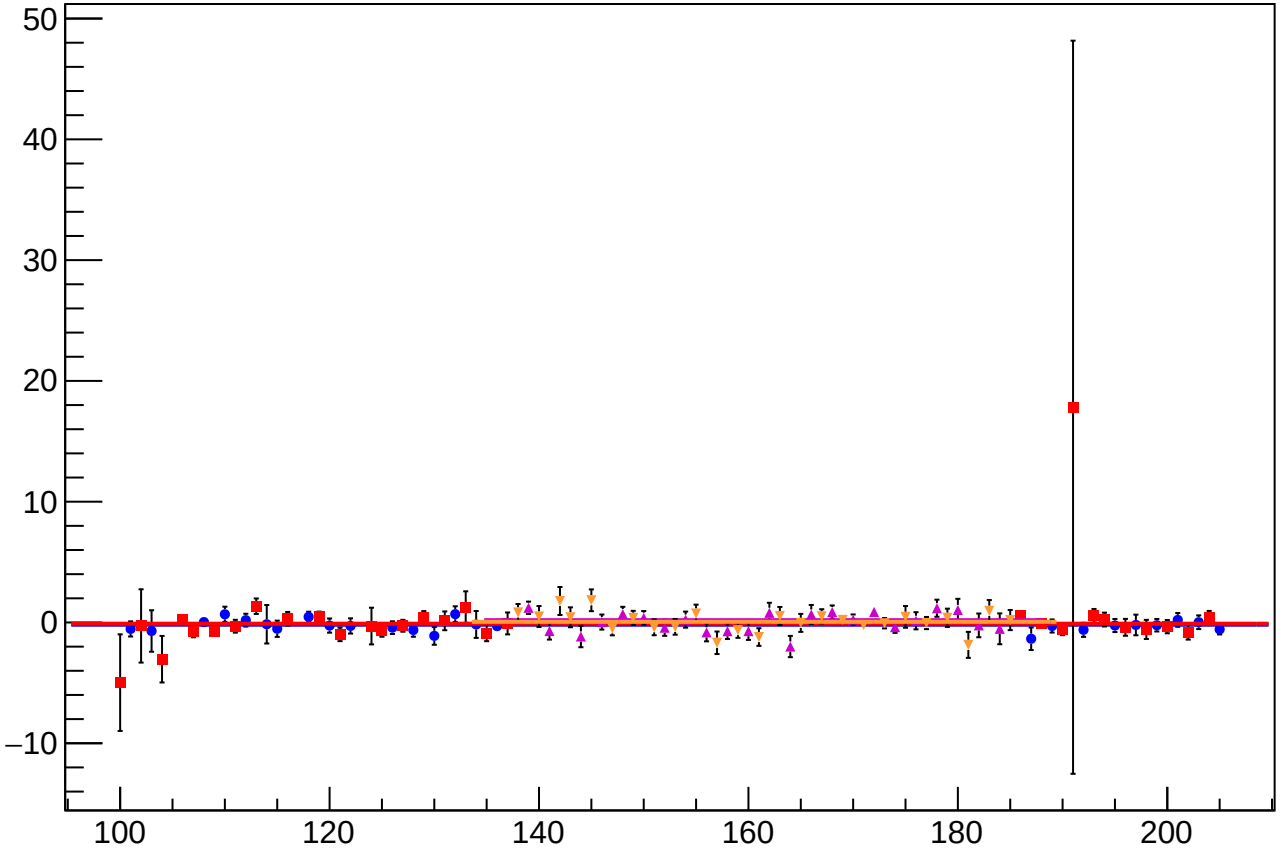
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7457406.1/49

All: 0.000+/-0.000 χ^2/NDF: 15429123.3/102

- sign 0.000+/-0.000 χ^2/NDF: 7971618.6/52

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

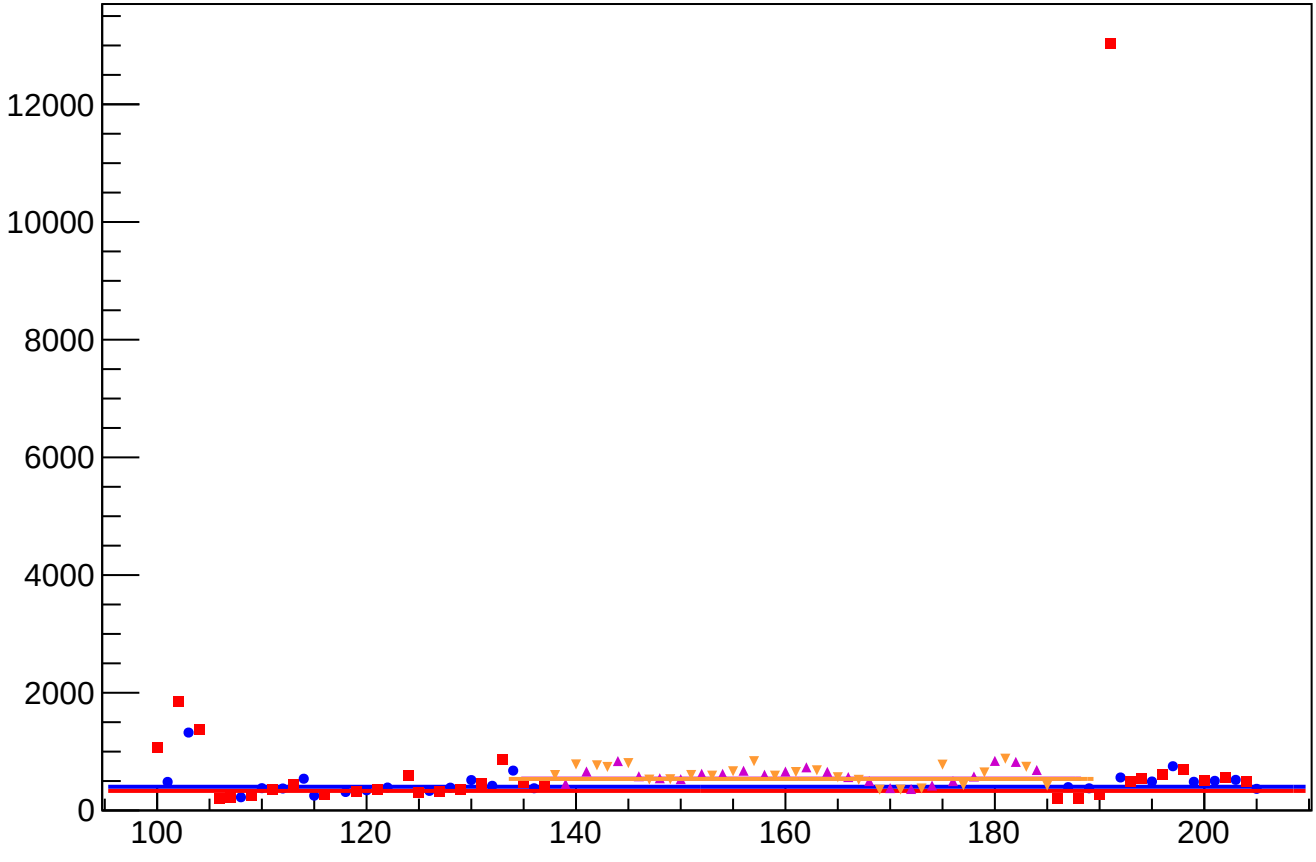
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.035+/-0.058 χ^2/NDF: 108.7/102

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

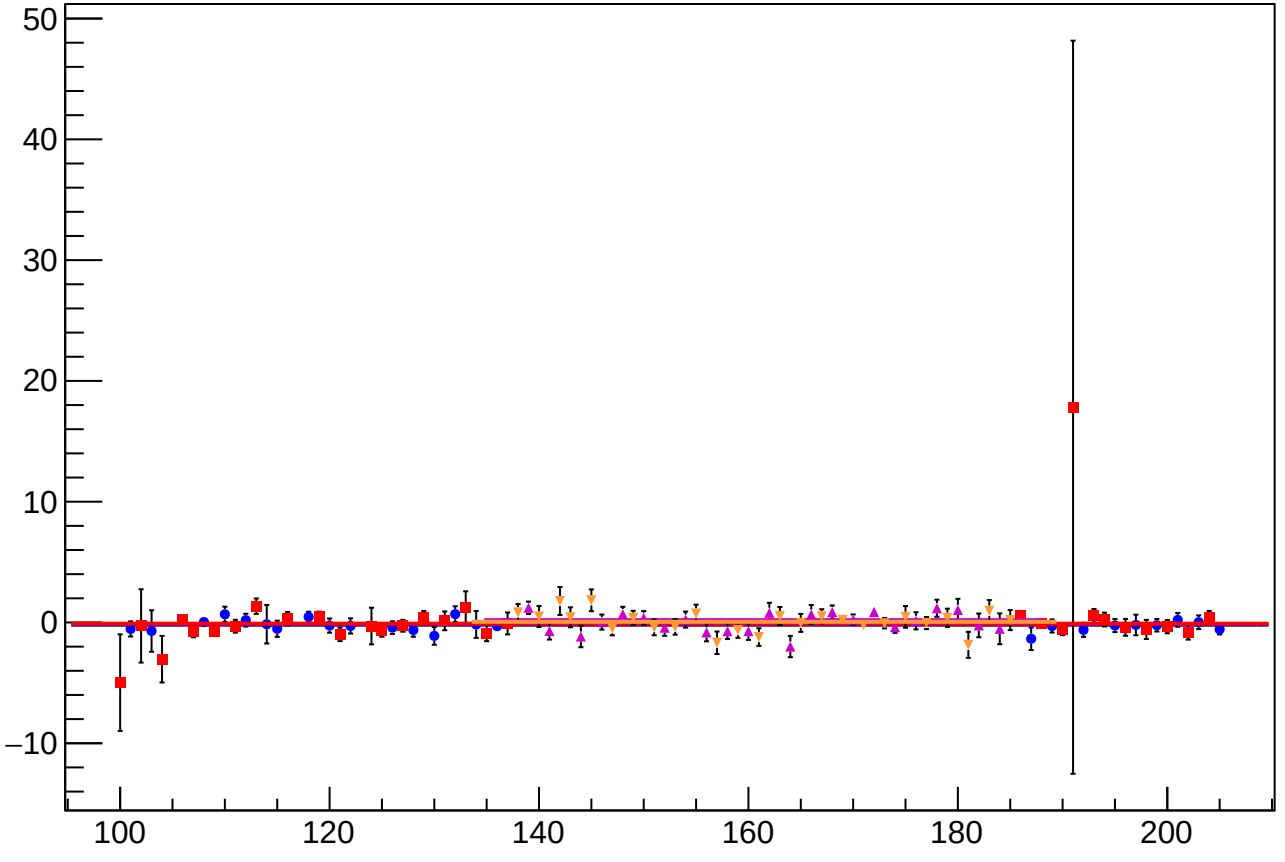
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 461.410+/-0.061 χ^2/NDF: 6223830.9/49

All: 430.553+/-0.041 χ^2/NDF: 17265913.6/10

- sign 404.772+/-0.056 χ^2/NDF: 10569402.9/52

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

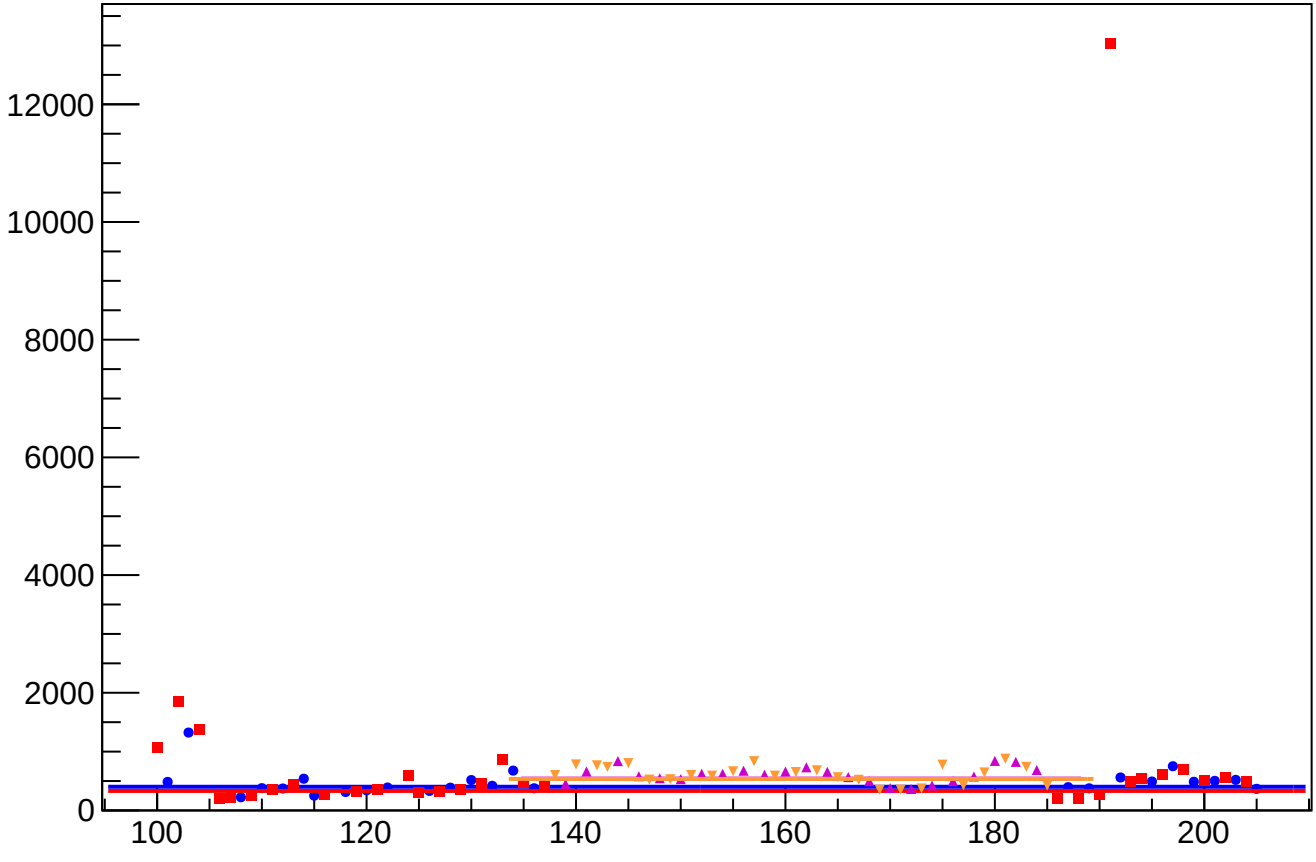
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.035+/-0.058 χ^2/NDF: 108.7/102

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

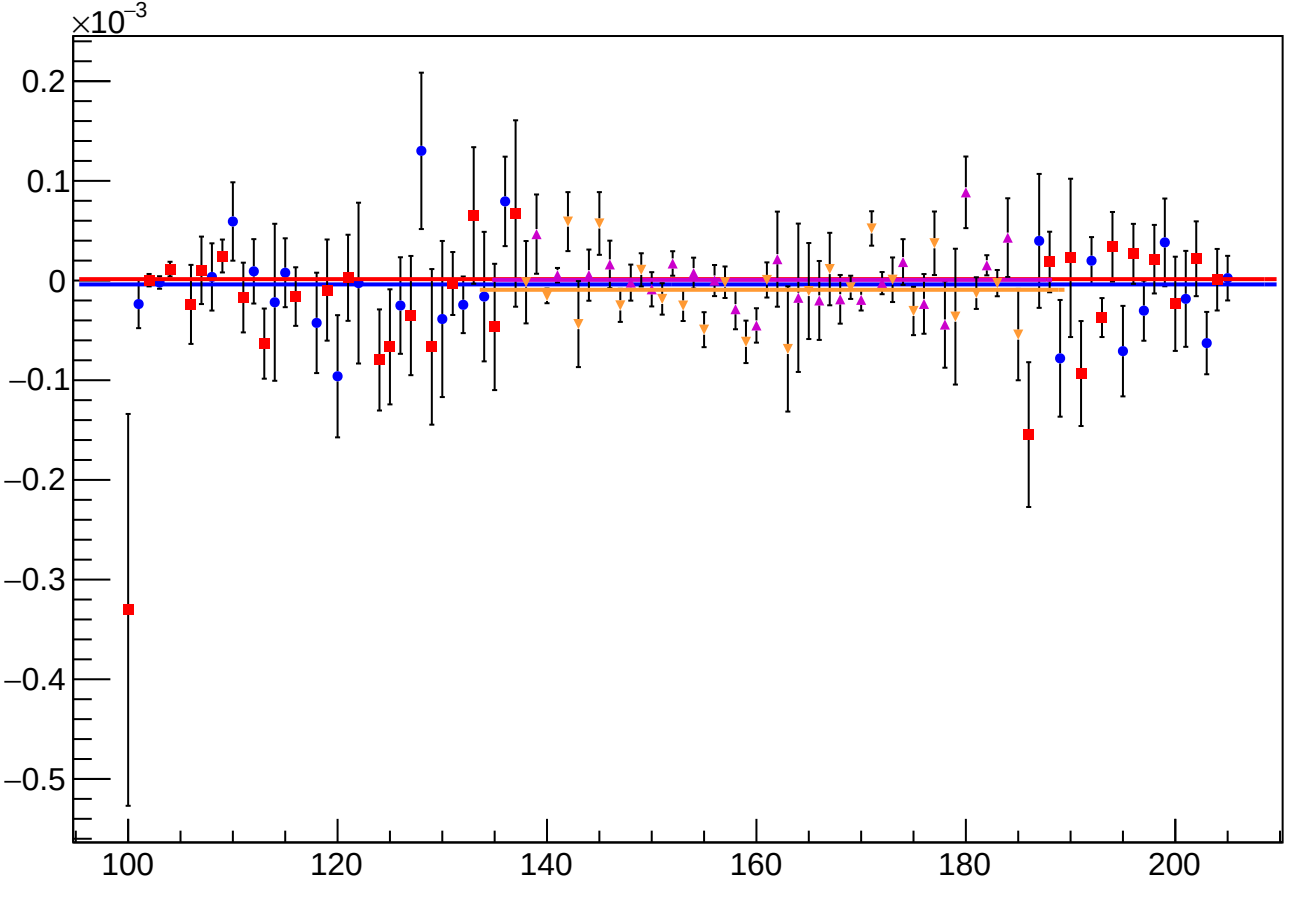
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 461.410+/-0.061 χ^2/NDF: 6223830.9/49

All: 430.553+/-0.041 χ^2/NDF: 17265913.6/10

- sign 404.772+/-0.056 χ^2/NDF: 10569402.9/52

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/29

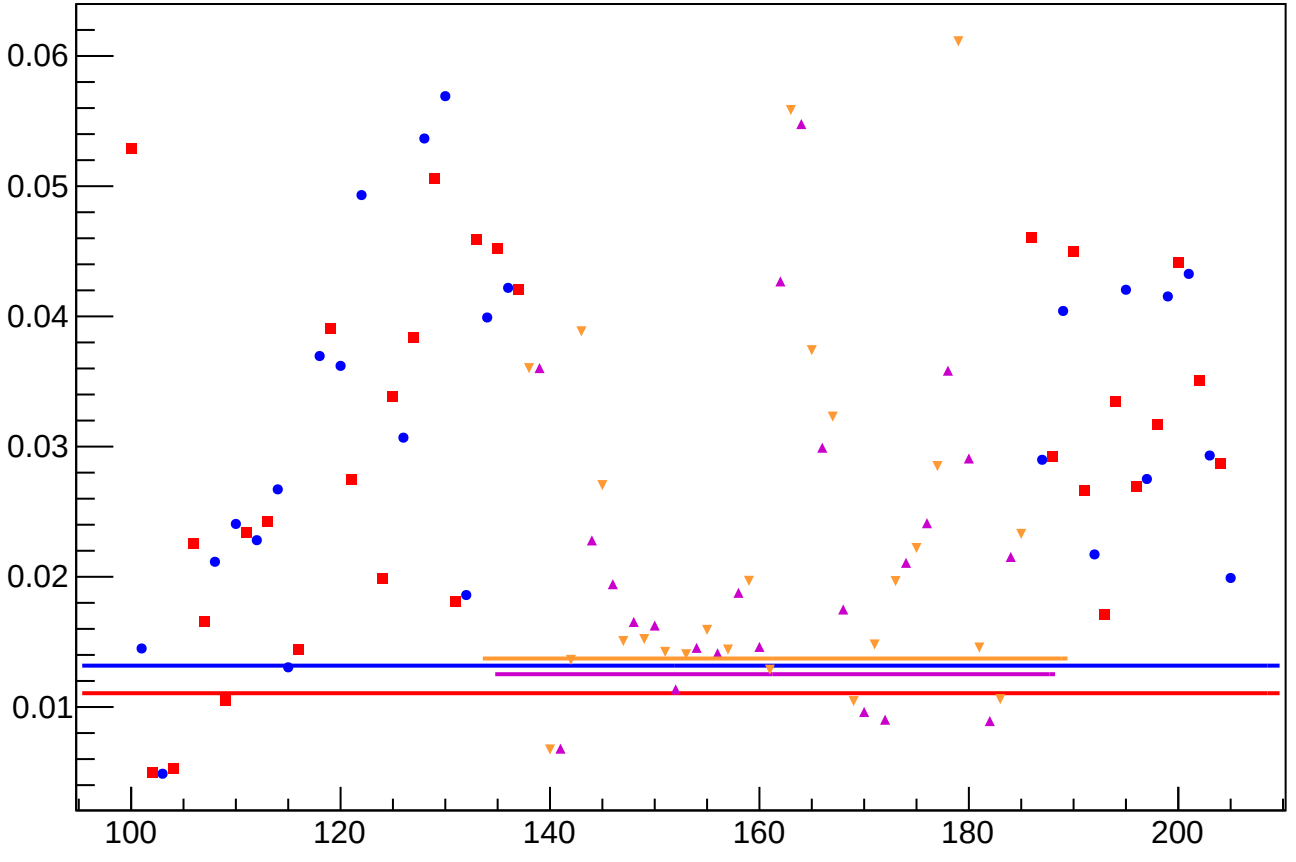
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/49

All: -0.000+/-0.000 χ^2/NDF: 138.0/102

- sign 0.000+/-0.000 χ^2/NDF: 62.9/52

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 12202383.3/24

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14091103.2/29

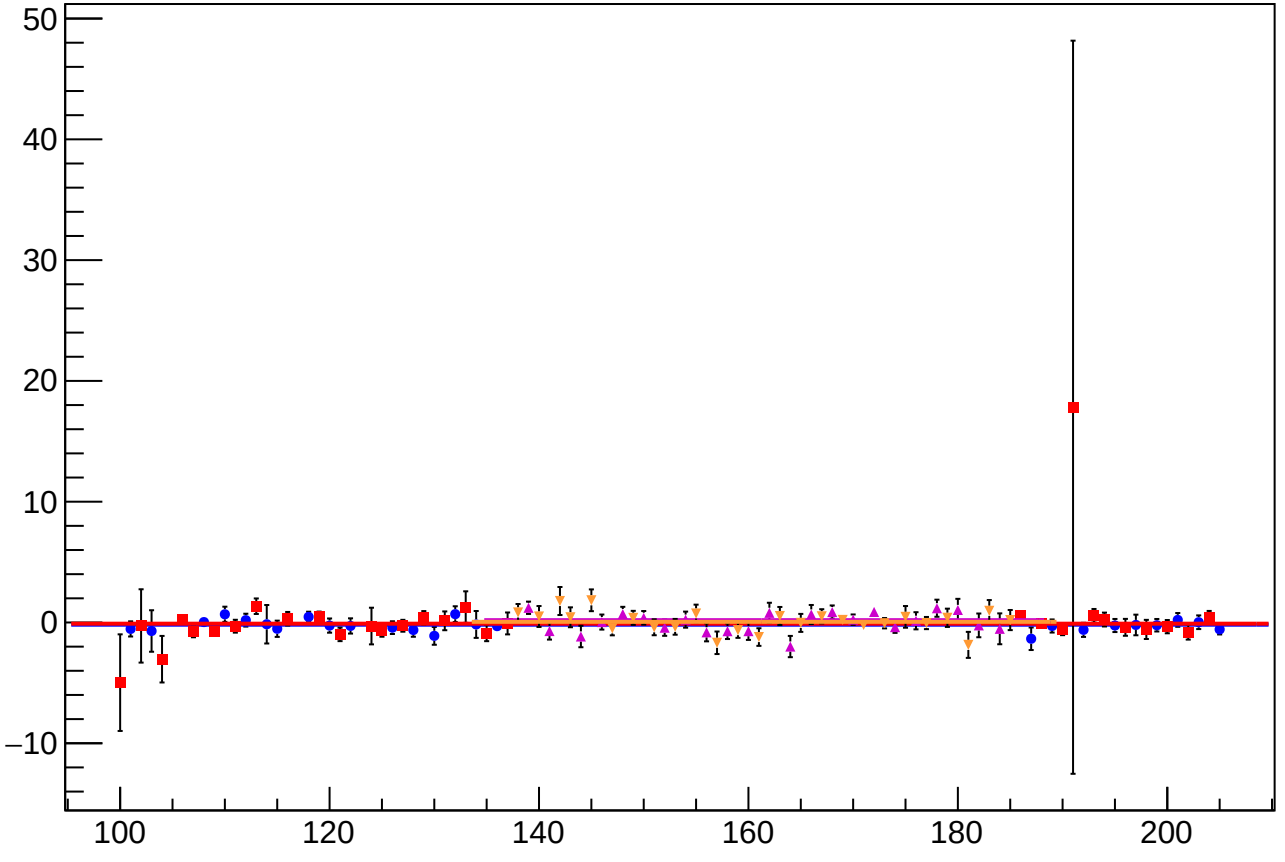
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.014+/-0.000 χ^2/NDF: 19935884.5/49

All: 0.013+/-0.000 χ^2/NDF: 41666802.7/102

- sign 0.012+/-0.000 χ^2/NDF: 21369952.2/52

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

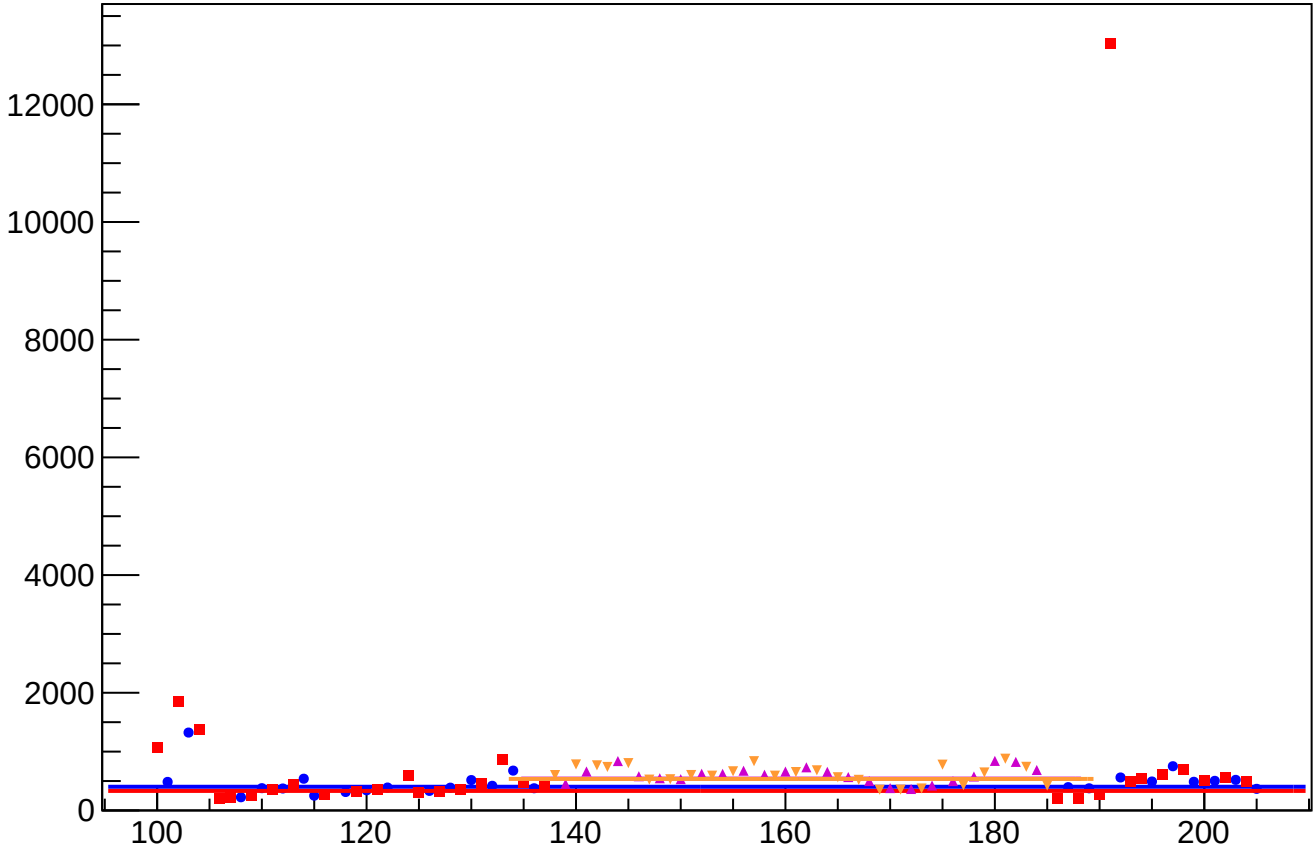
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.035+/-0.058 χ^2/NDF: 108.7/102

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

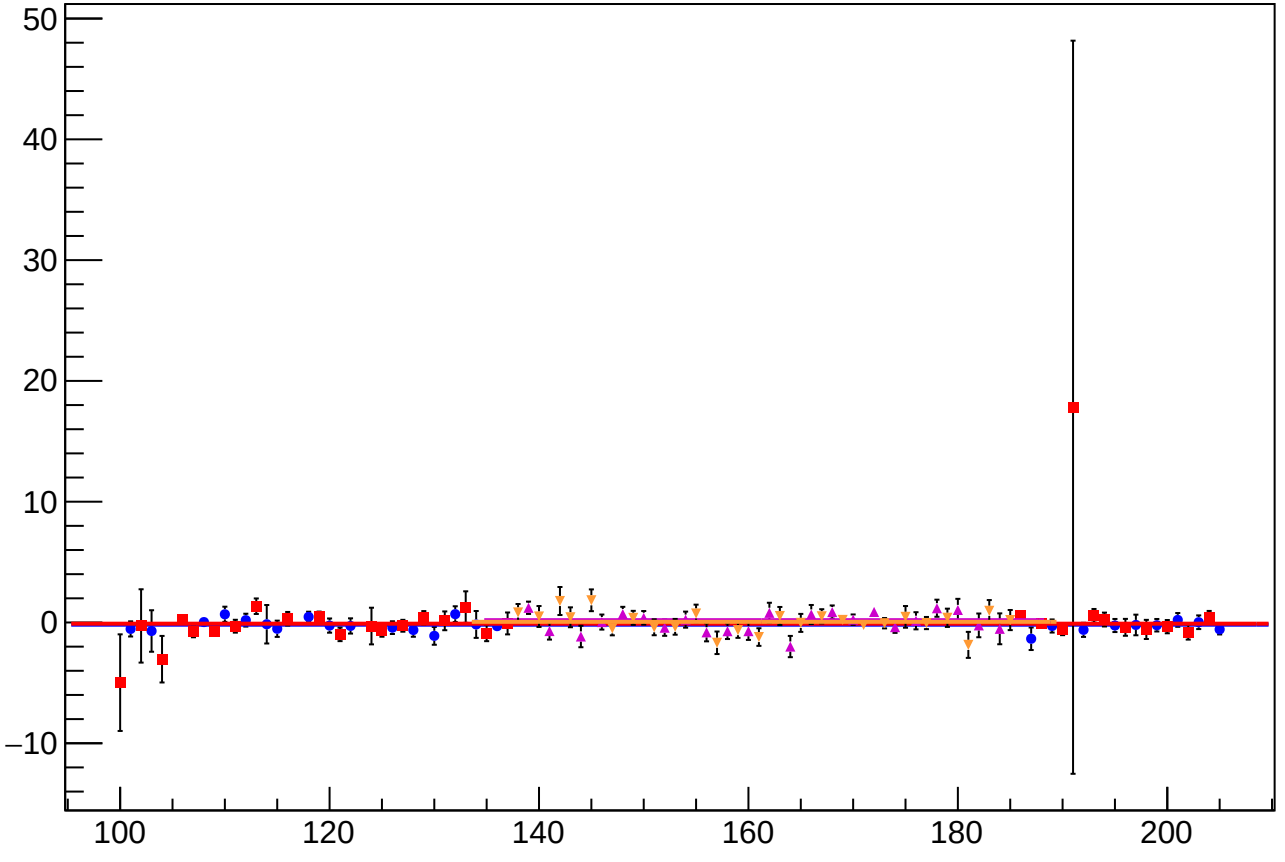
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 461.409+/-0.061 χ^2/NDF: 6224085.0/49

All: 430.554+/-0.041 χ^2/NDF: 17266264.4/10

- sign 404.773+/-0.056 χ^2/NDF: 10569530.6/52

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.100+/-0.097 χ^2/NDF: 33.8/29

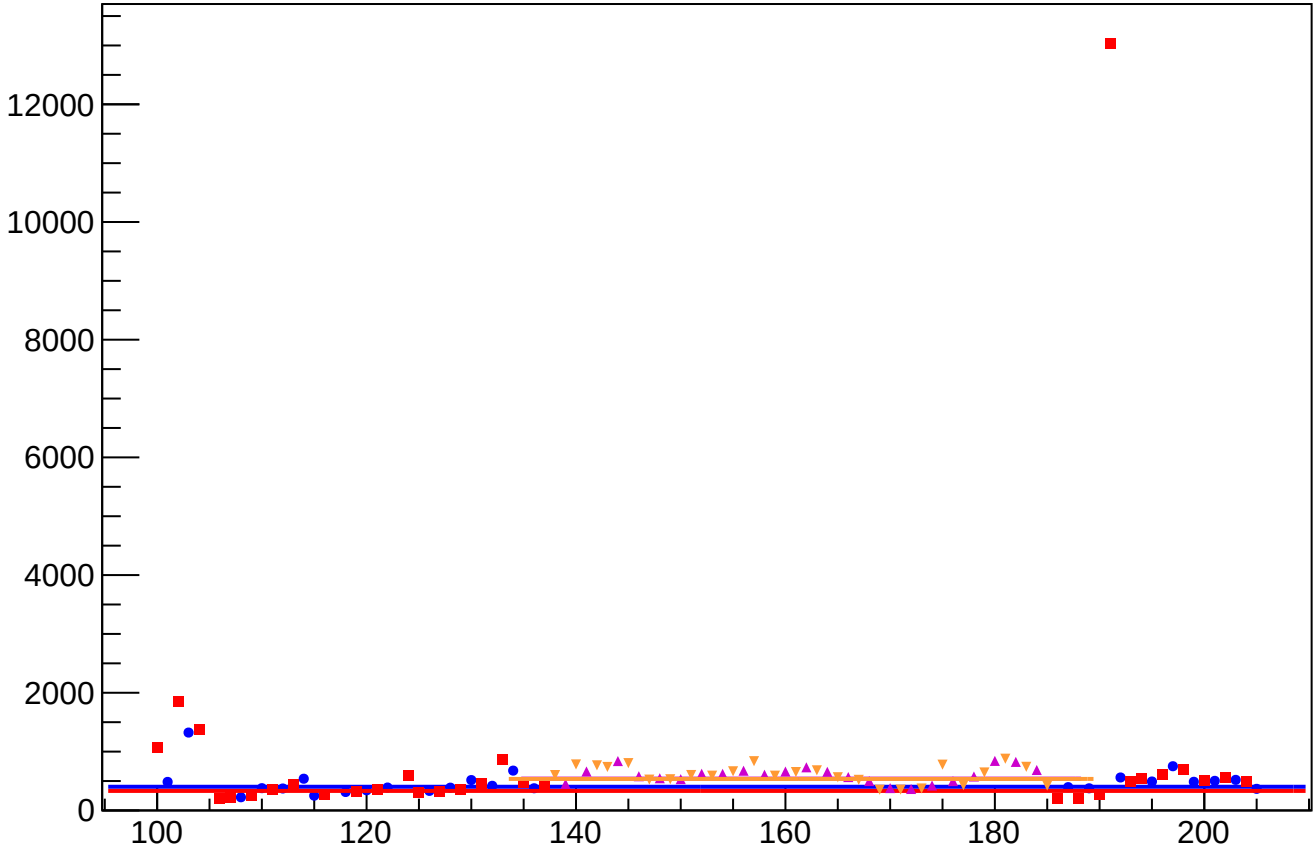
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.035+/-0.058 χ^2/NDF: 108.7/102

- sign 0.001+/-0.079 χ^2/NDF: 68.0/52

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

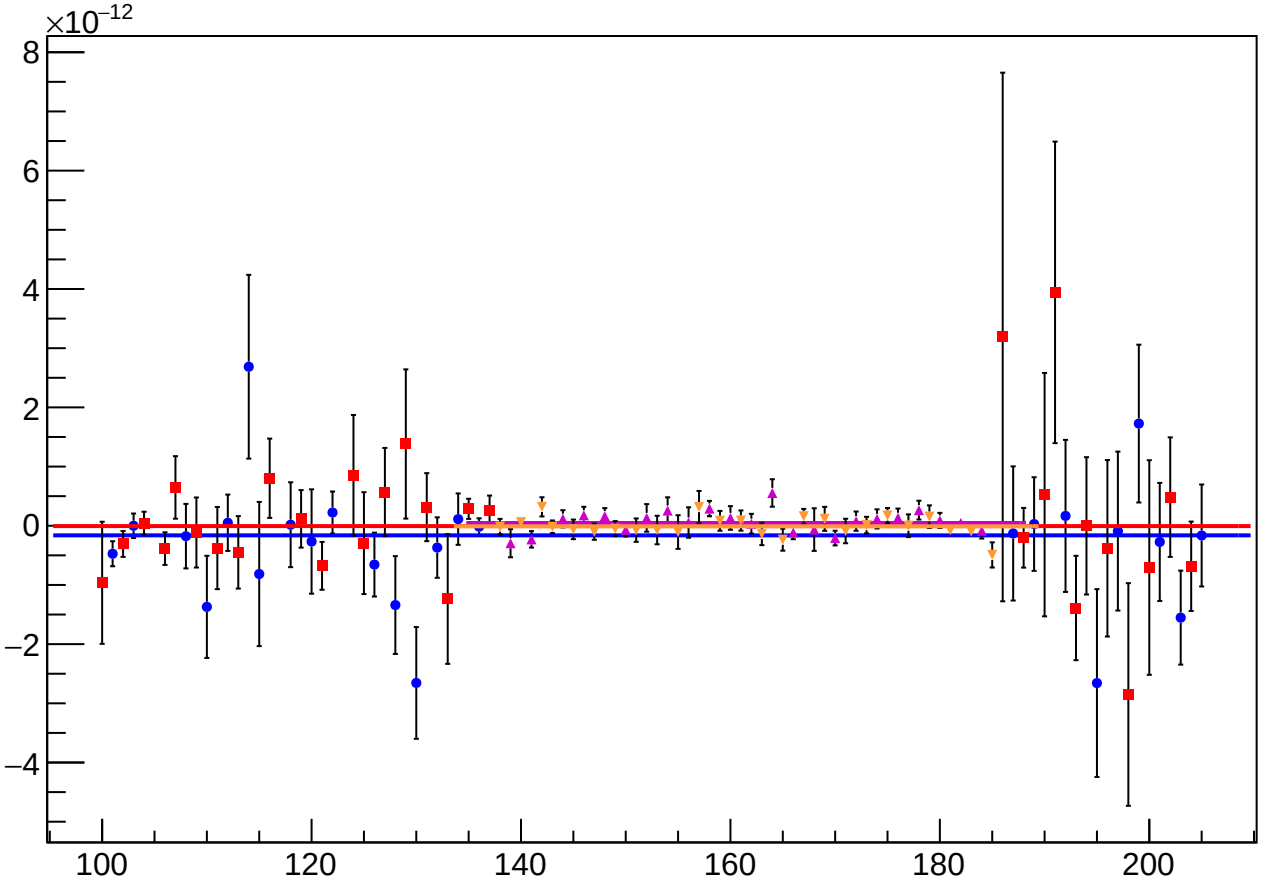
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 461.409+/-0.061 χ^2/NDF: 6224085.0/49

All: 430.554+/-0.041 χ^2/NDF: 17266264.4/10

- sign 404.773+/-0.056 χ^2/NDF: 10569530.6/52

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

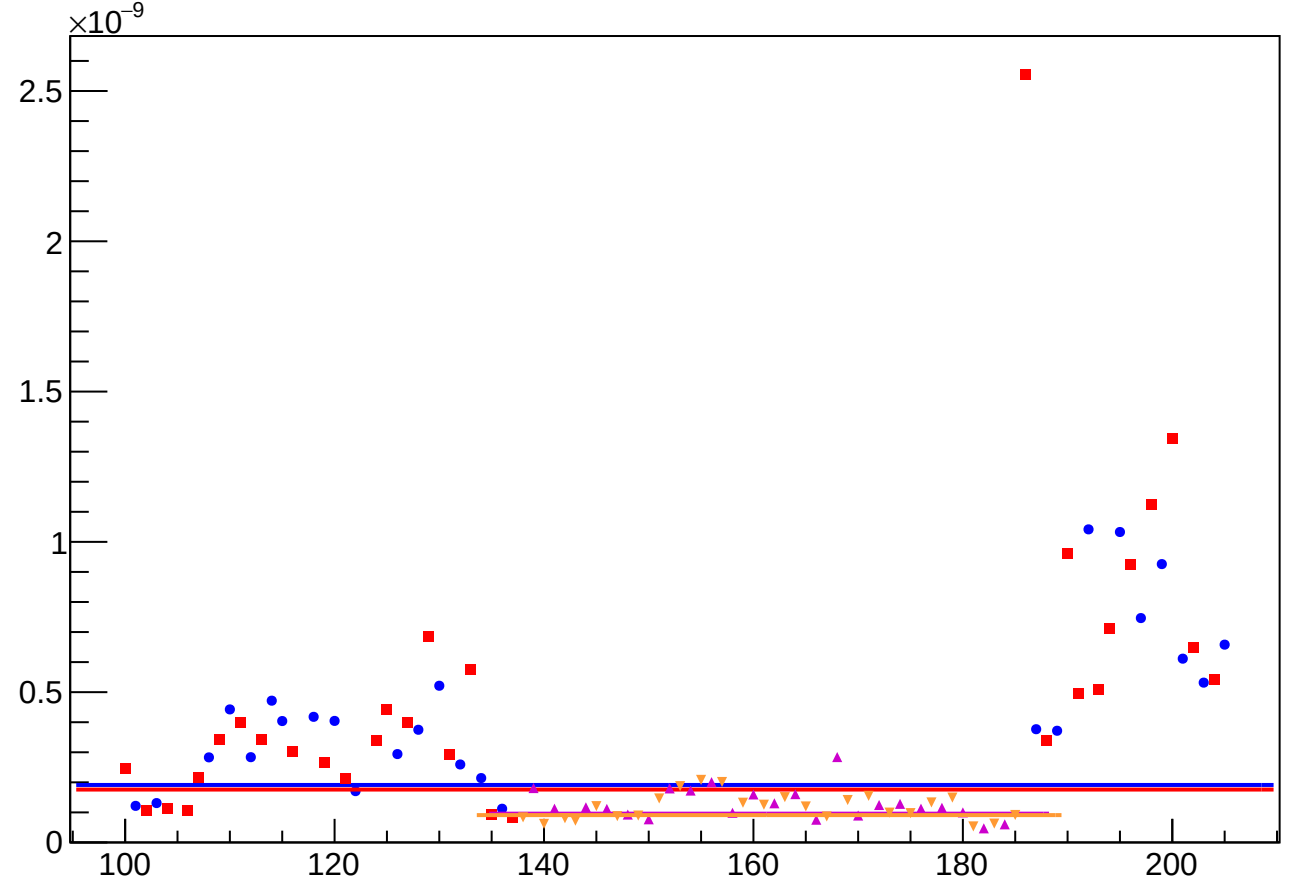
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/29

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/49

All: 0.000+/-0.000 χ^2/NDF: 114.1/102

- sign 0.000+/-0.000 χ^2/NDF: 57.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6065413.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7615731.6/29

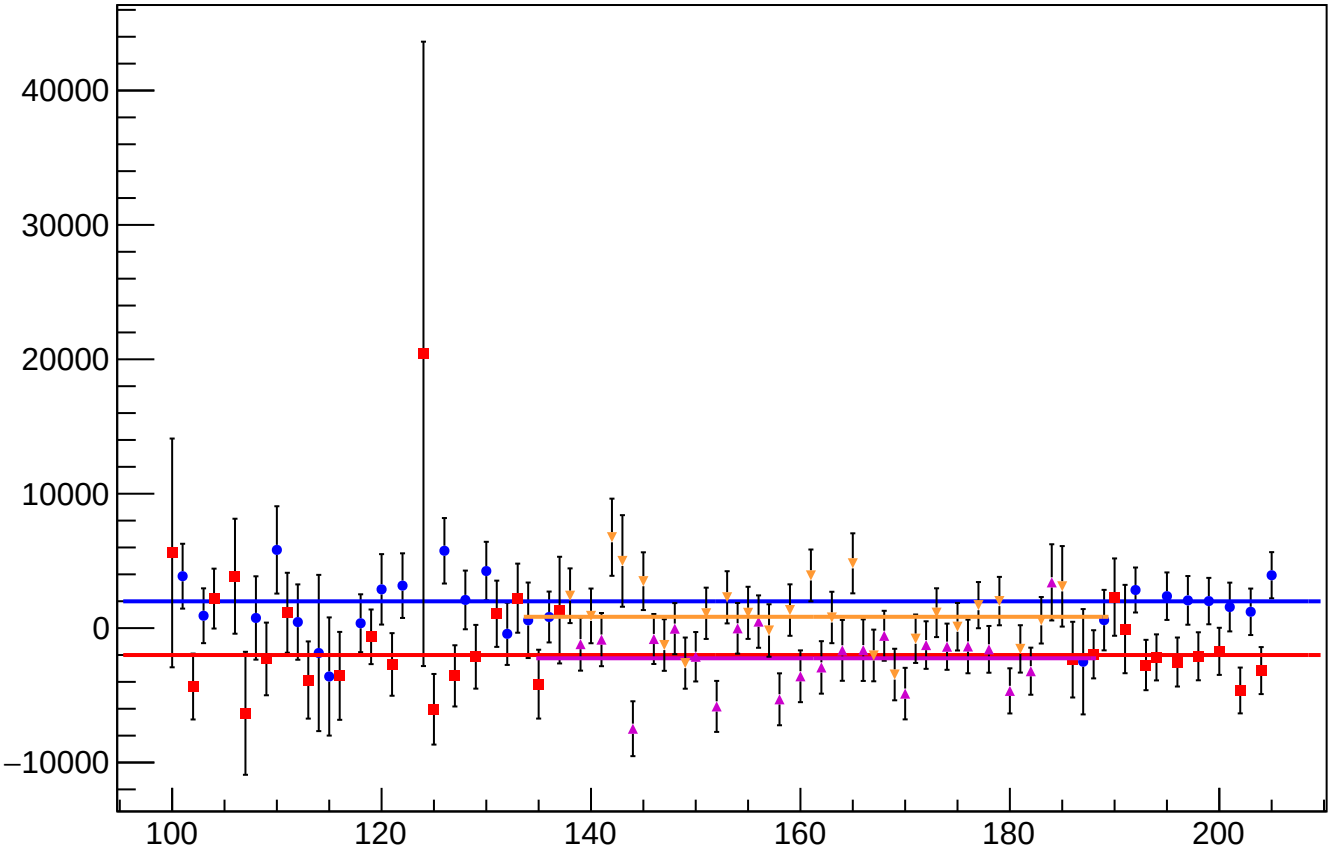
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11974151.3/49

All: 0.000+/-0.000 χ^2/NDF: 25269412.5/102

- sign 0.000+/-0.000 χ^2/NDF: 13268162.2/52

reg_asym_atl_avg_mean vs Slug



Right In: 1993.451+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -2002.547+/-433.882 χ^2/NDF: 25.5/29

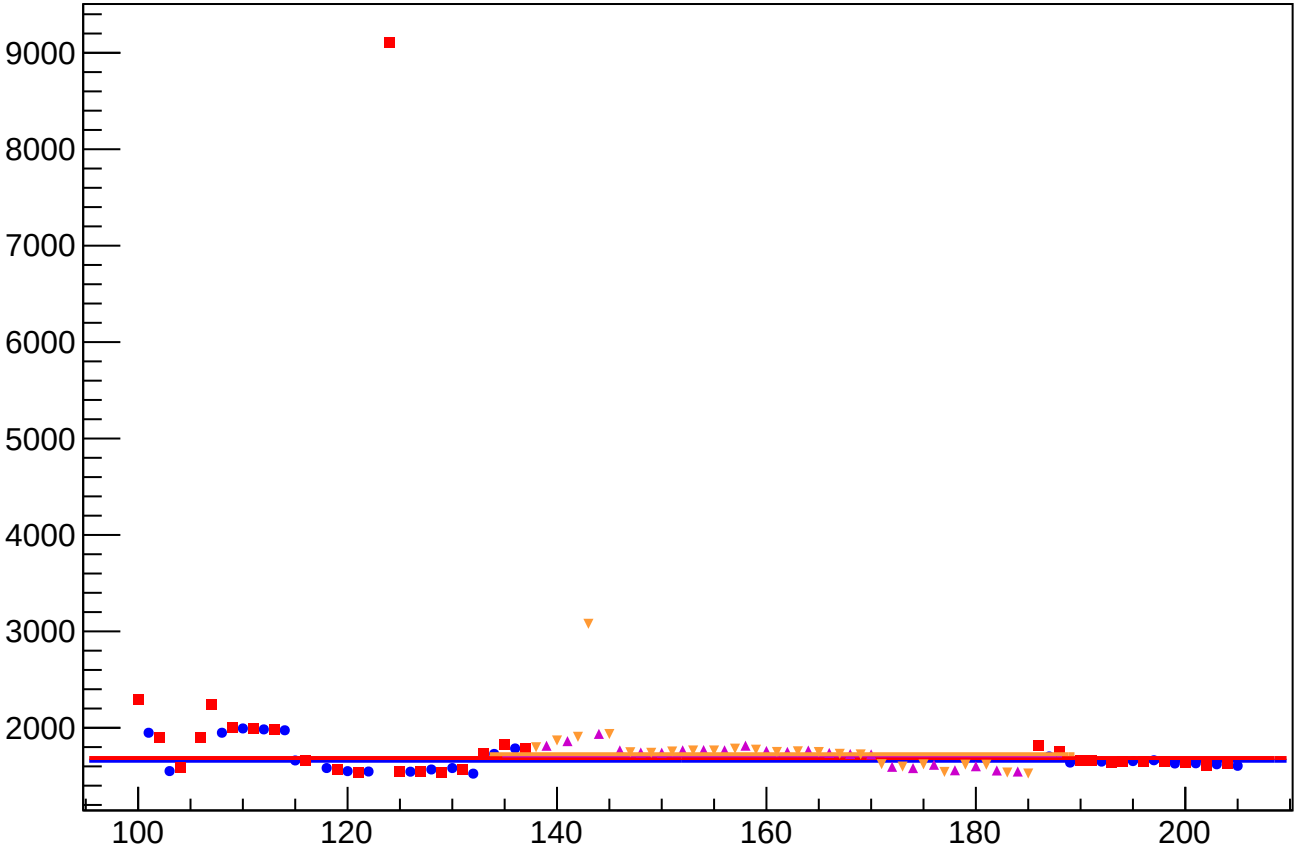
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1350.855+/-294.613 χ^2/NDF: 48.6/49

All: -392.582+/-208.244 χ^2/NDF: 173.7/102

- sign -2133.404+/-294.391 χ^2/NDF: 55.1/52

reg_asym_atl_avg_rms vs Slug



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.4/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1686.669+/-0.306 χ^2/NDF: 406425.0/29

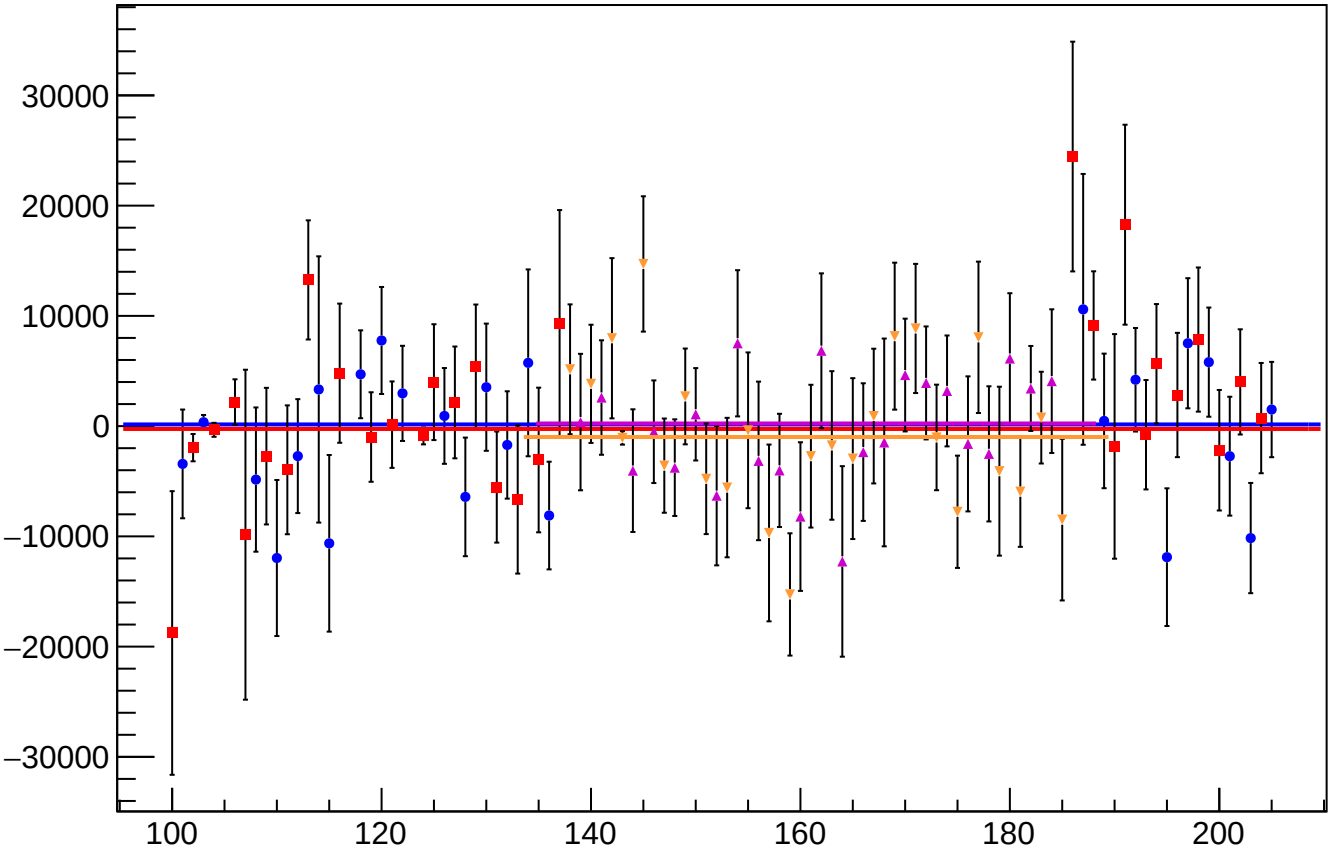
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1696.137+/-0.208 χ^2/NDF: 628717.2/49

All: 1698.540+/-0.147 χ^2/NDF: 1168729.5/10

- sign 1700.934+/-0.208 χ^2/NDF: 539746.8/52

asym_atl_avg_reg_correction_mean vs Slug



Right In: 152.836+/-562.631 χ^2/NDF: 28.5/24

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -258.261+/-413.046 χ^2/NDF: 36.4/29

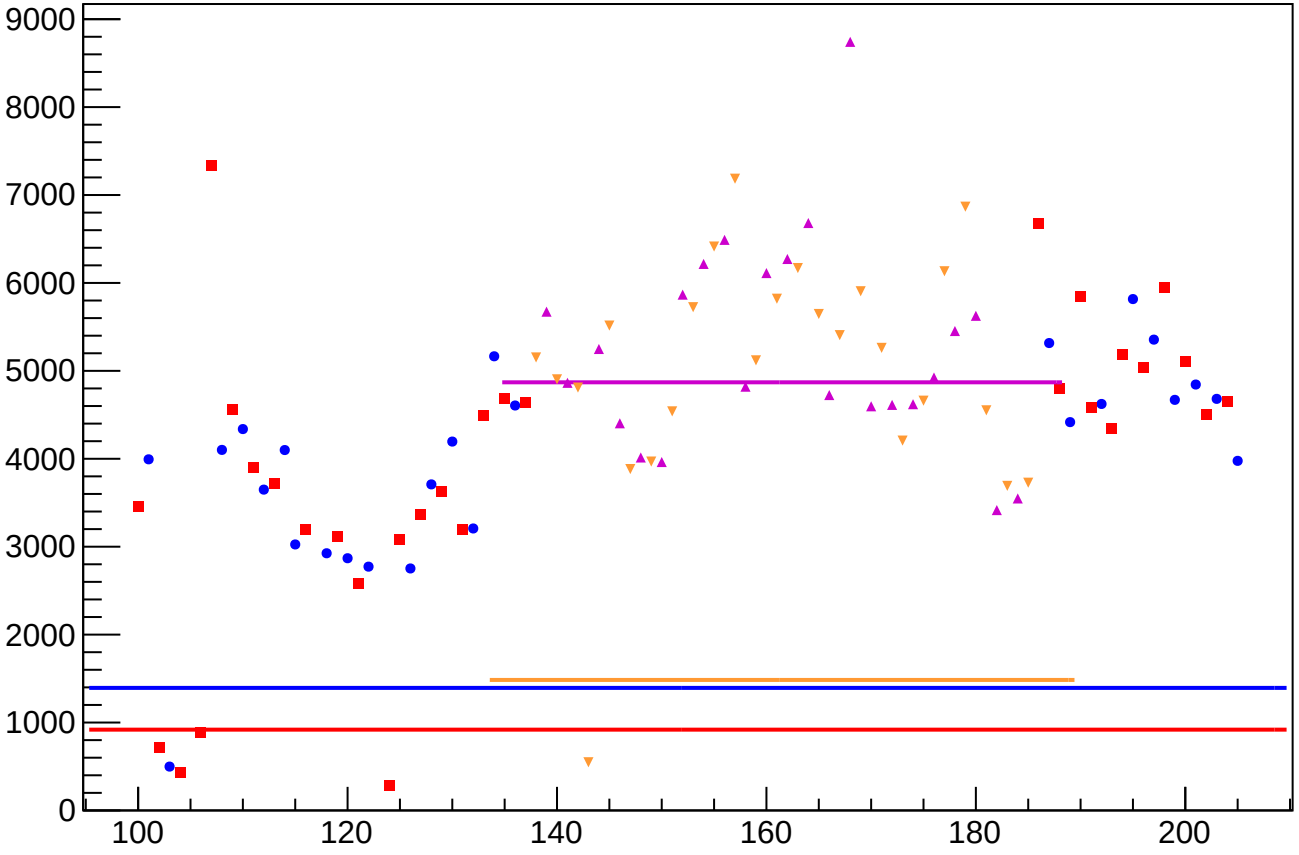
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -439.473+/-390.061 χ^2/NDF: 61.5/49

All: -320.843+/-275.547 χ^2/NDF: 111.8/102

- sign -202.673+/-389.304 χ^2/NDF: 50.1/52

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1394.071+/-0.398 χ^2/NDF: 15633109.0/24

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 919.106+/-0.292 χ^2/NDF: 19740678.2/29

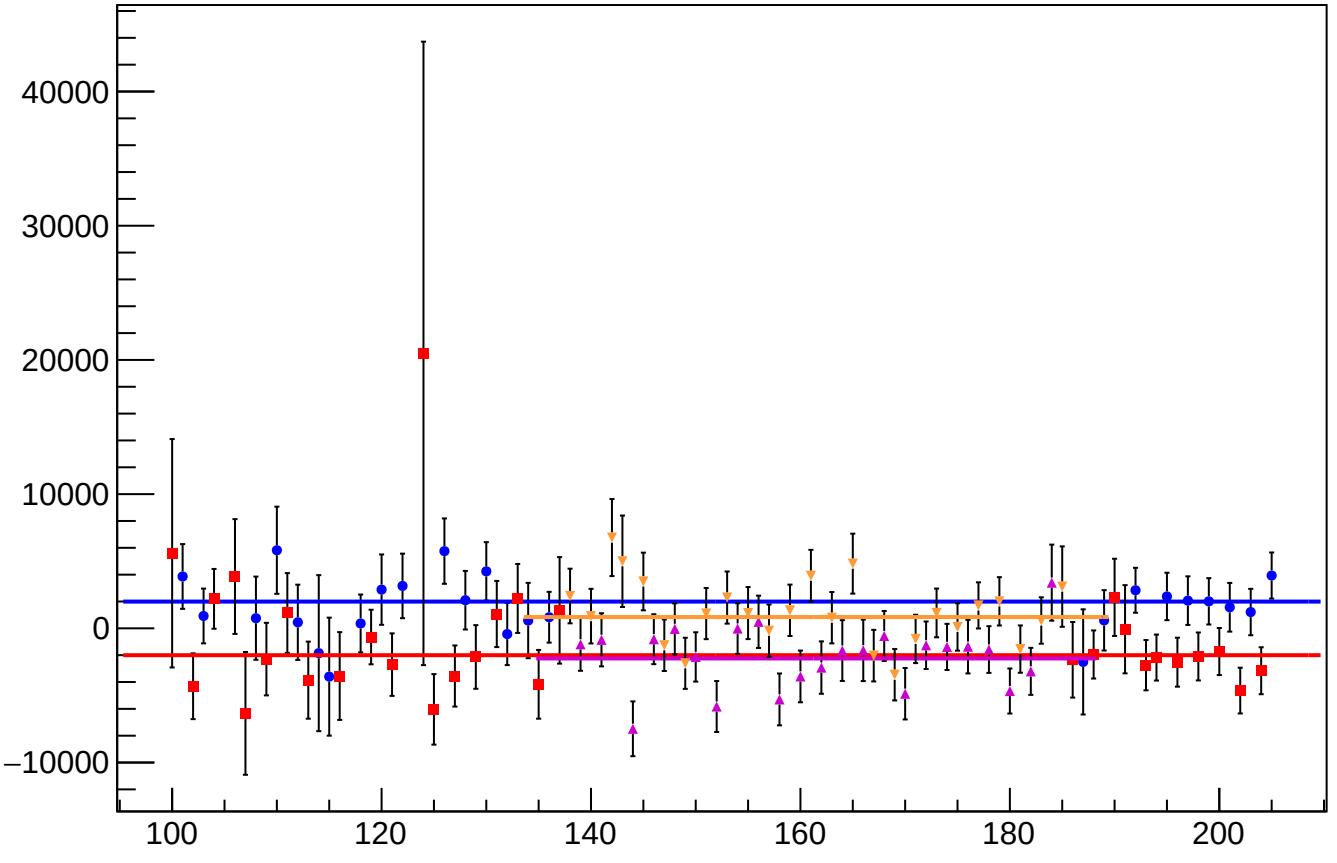
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1441.069+/-0.276 χ^2/NDF: 38884925.8/49

All: 1400.567+/-0.195 χ^2/NDF: 80572004.6/1

- sign 1360.223+/-0.275 χ^2/NDF: 41644036.8/52

cor_asym_atl_avg_mean vs Slug



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -2001.429+/-433.884 χ^2/NDF: 25.5/29

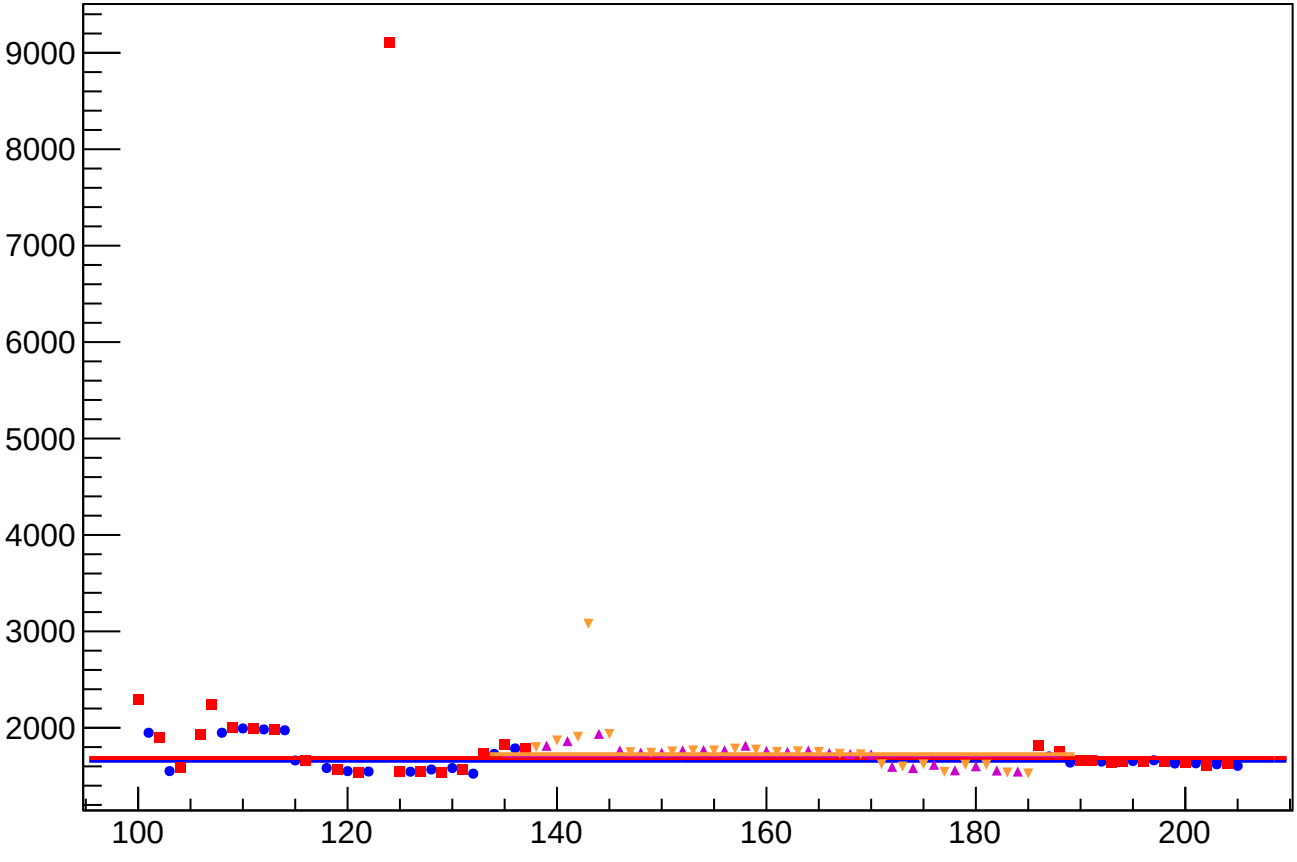
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1350.881+/-294.613 χ^2/NDF: 48.6/49

All: -392.315+/-208.245 χ^2/NDF: 173.6/102

- sign -2132.900+/-294.392 χ^2/NDF: 55.1/52

cor_asym_atl_avg_rms vs Slug



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

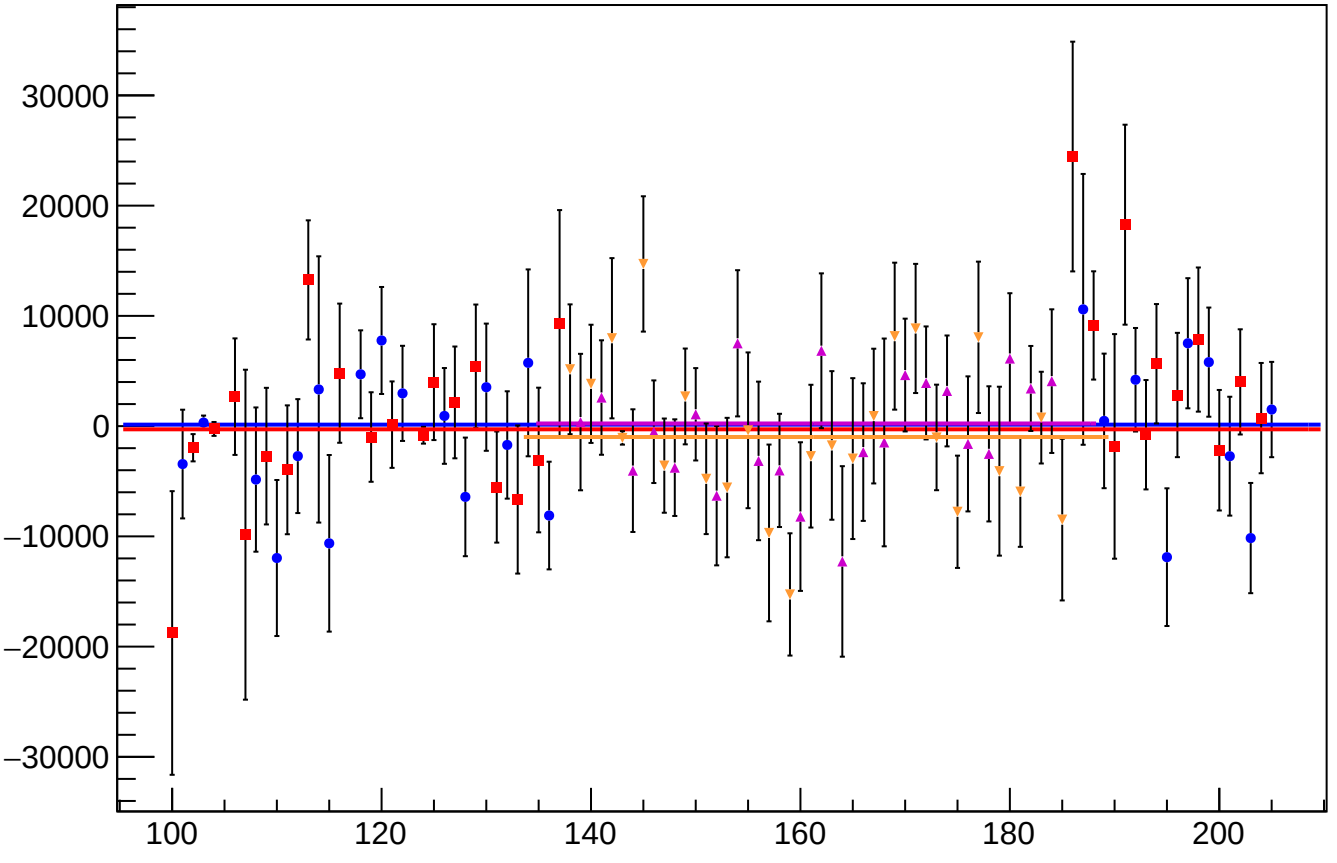
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1696.137+/-0.208 χ^2/NDF: 628717.3/49

All: 1698.626+/-0.147 χ^2/NDF: 1170635.0/10

- sign 1701.107+/-0.208 χ^2/NDF: 541632.8/52

asym_atl_avg_cor_correction_mean vs Slug



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -289.506+/-418.408 χ^2/NDF: 35.2/29

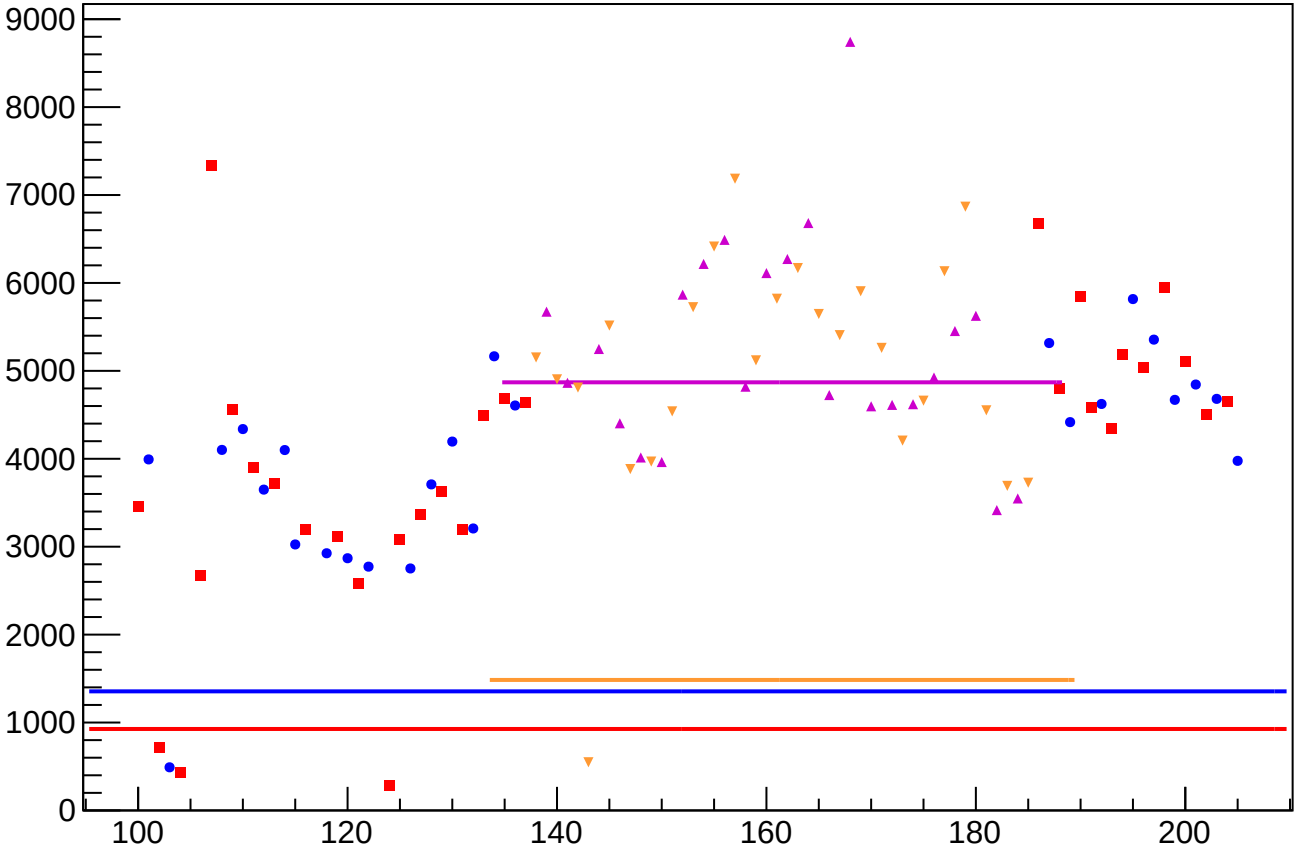
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -437.908+/-386.481 χ^2/NDF: 61.4/49

All: -335.445+/-275.829 χ^2/NDF: 110.5/102

- sign -229.074+/-393.783 χ^2/NDF: 48.9/52

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

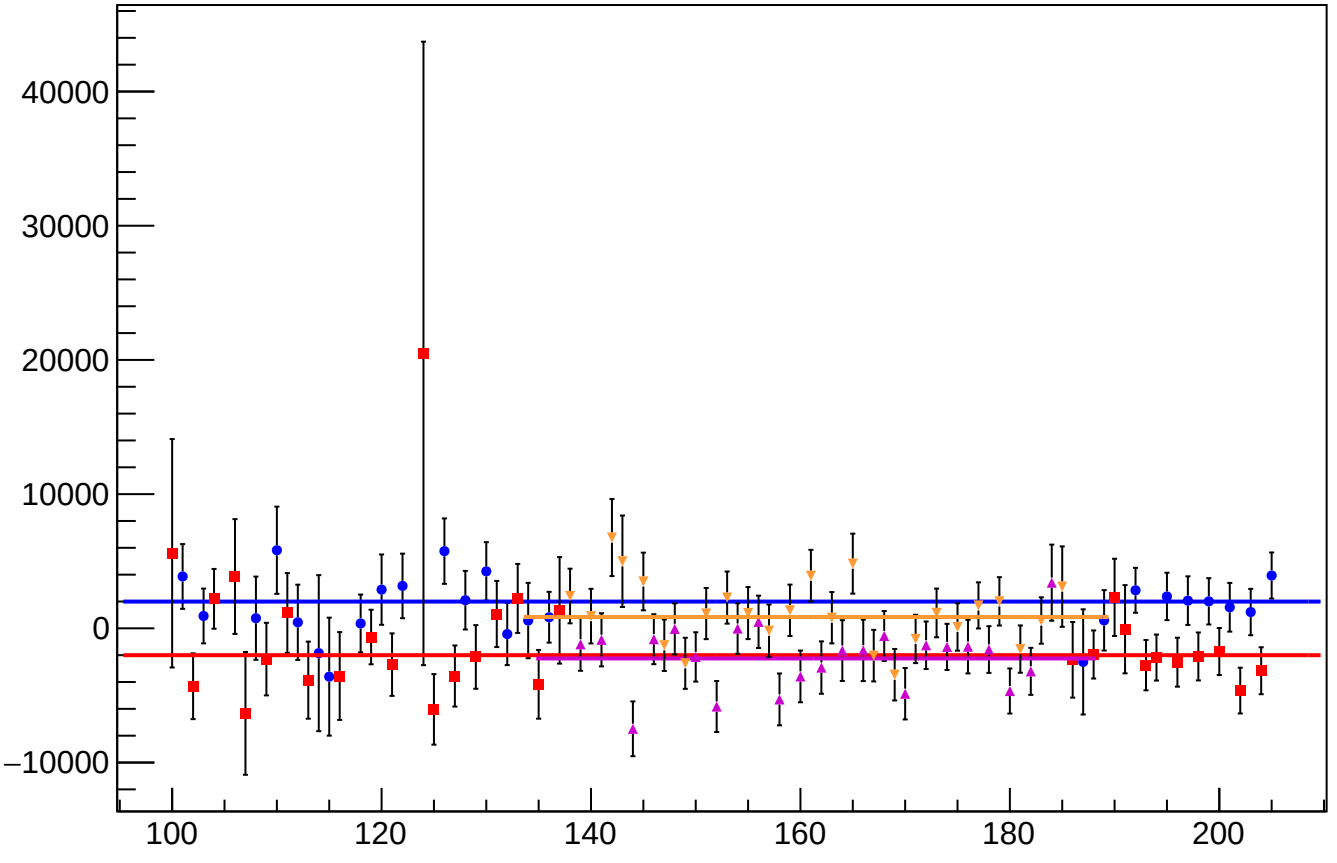
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1420.857+/-0.273 χ^2/NDF: 39172486.0/49

All: 1399.457+/-0.195 χ^2/NDF: 80943945.3/1

- sign 1377.240+/-0.278 χ^2/NDF: 41758961.3/52

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -2001.429+/-433.884 χ^2/NDF: 25.5/29

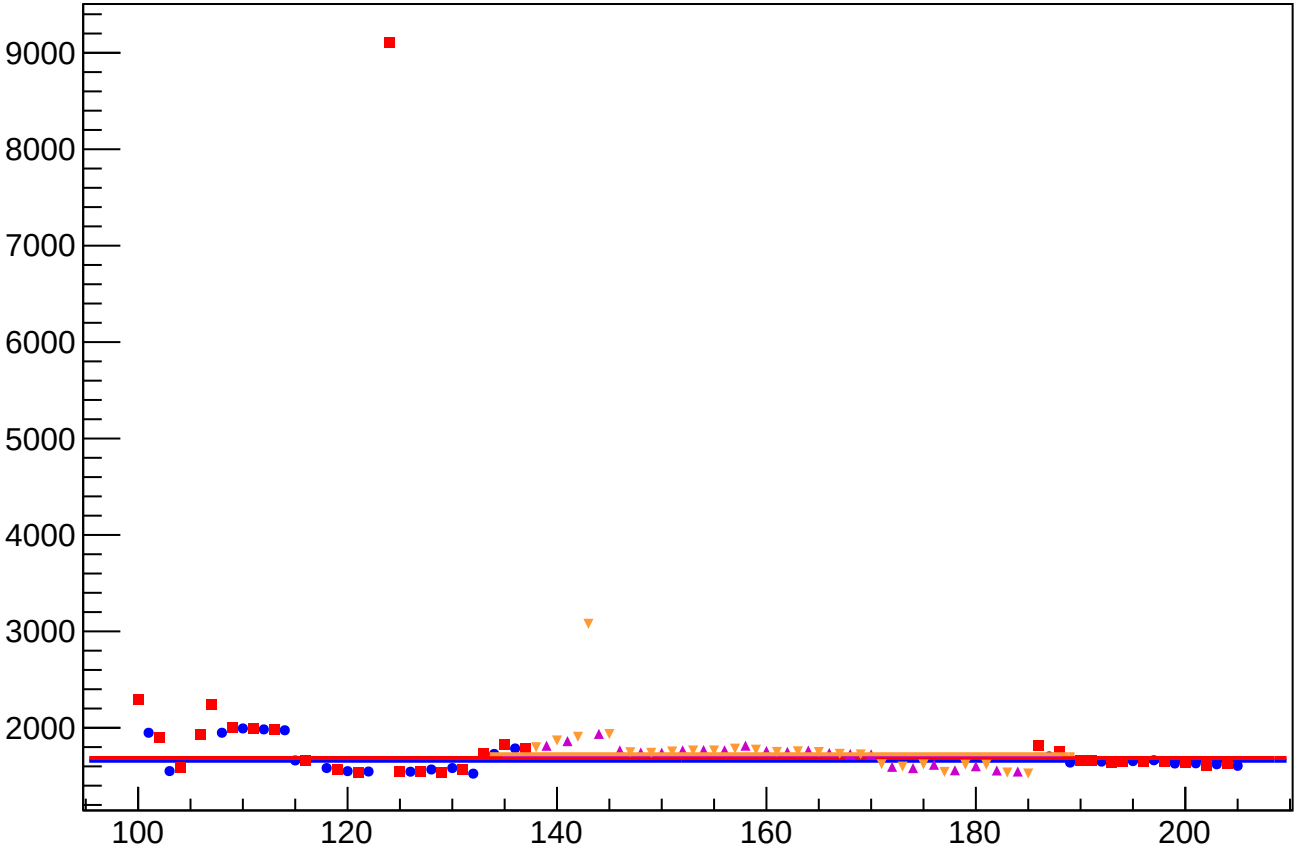
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1350.881+/-294.613 χ^2/NDF: 48.6/49

All: -392.315+/-208.245 χ^2/NDF: 173.6/102

- sign -2132.900+/-294.392 χ^2/NDF: 55.1/52

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

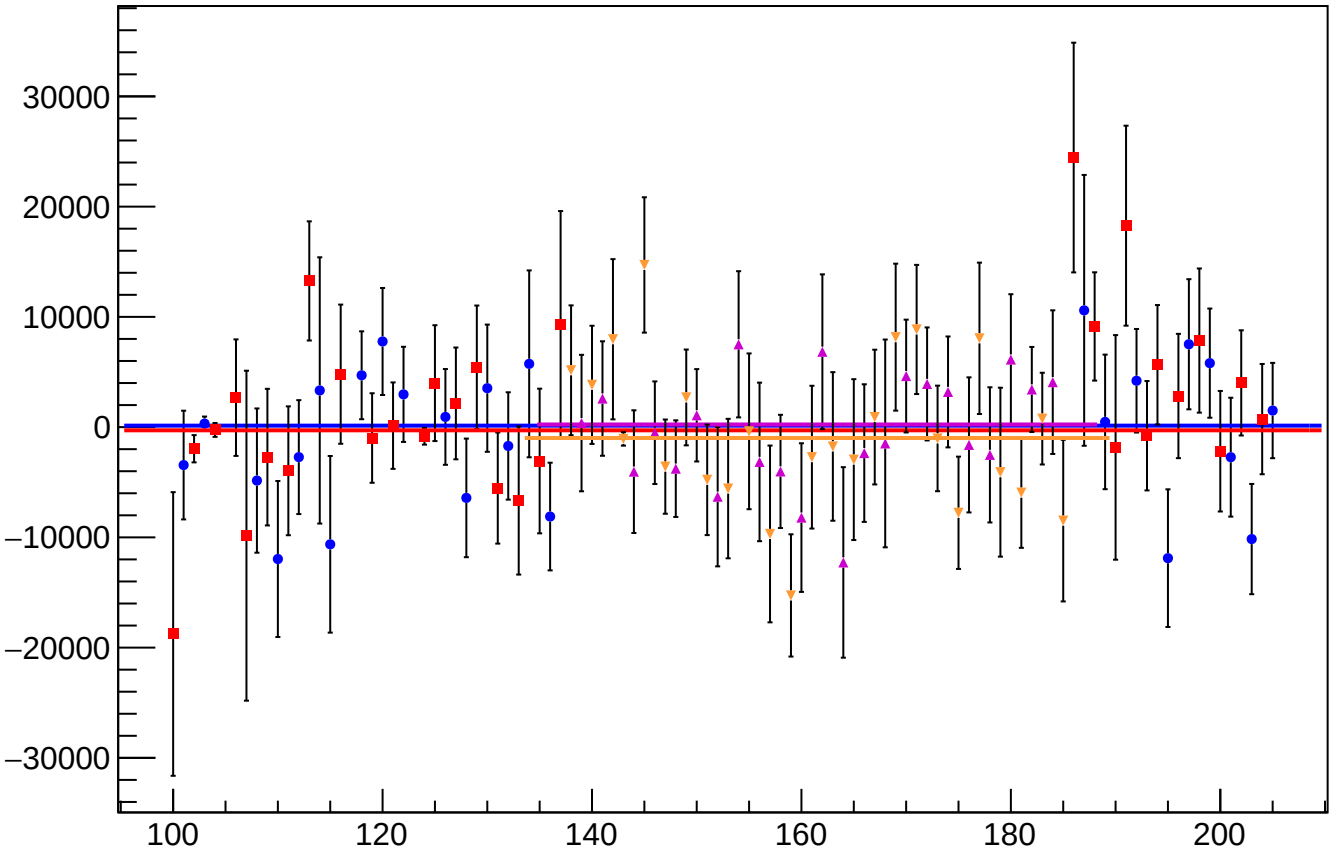
Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1696.137+/-0.208 χ^2/NDF: 628717.3/49

All: 1698.626+/-0.147 χ^2/NDF: 1170635.0/10

- sign 1701.107+/-0.208 χ^2/NDF: 541632.8/52



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -289.506+/-418.408 χ^2/NDF: 35.2/29

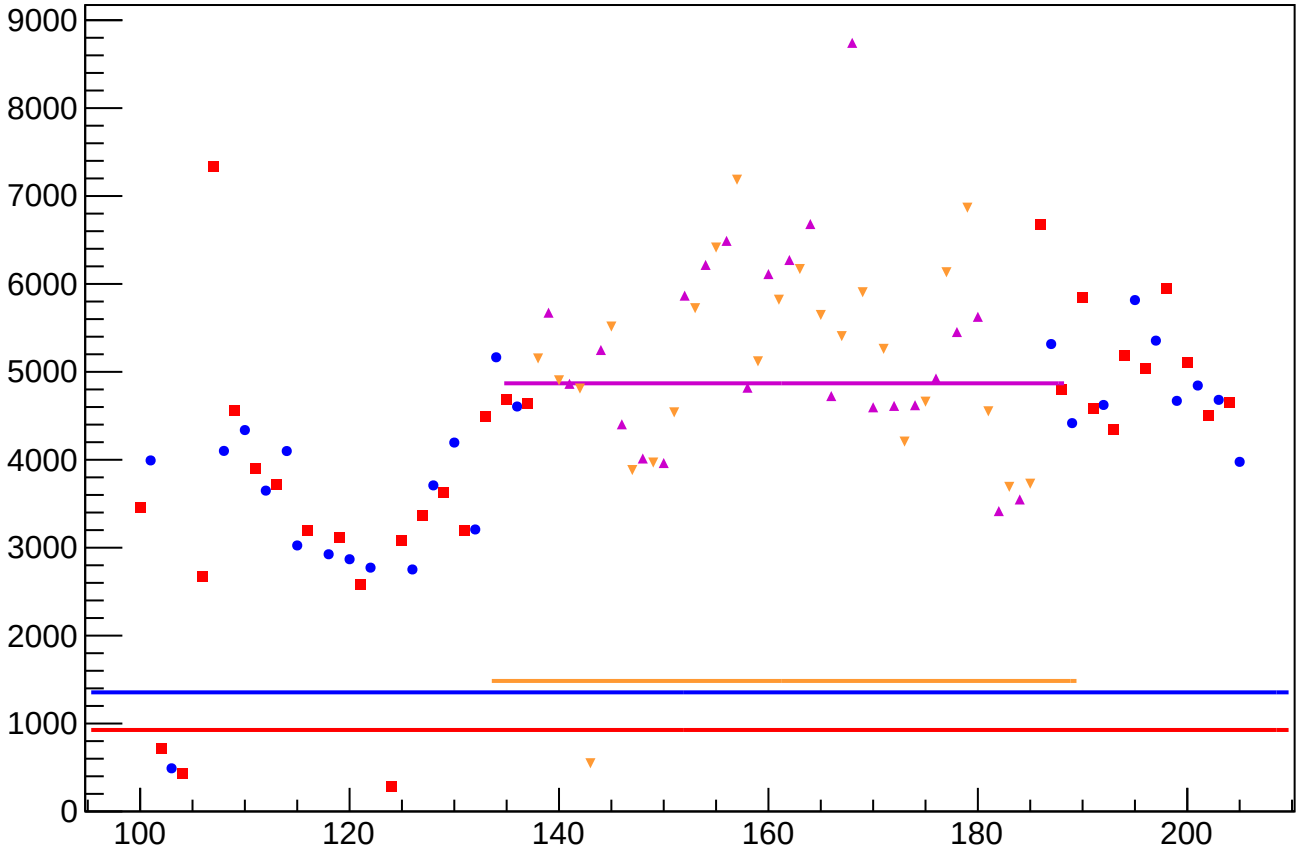
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -437.908+/-386.481 χ^2/NDF: 61.4/49

All: -335.445+/-275.829 χ^2/NDF: 110.5/102

\- sign -229.074+/-393.783 χ^2/NDF: 48.9/52

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

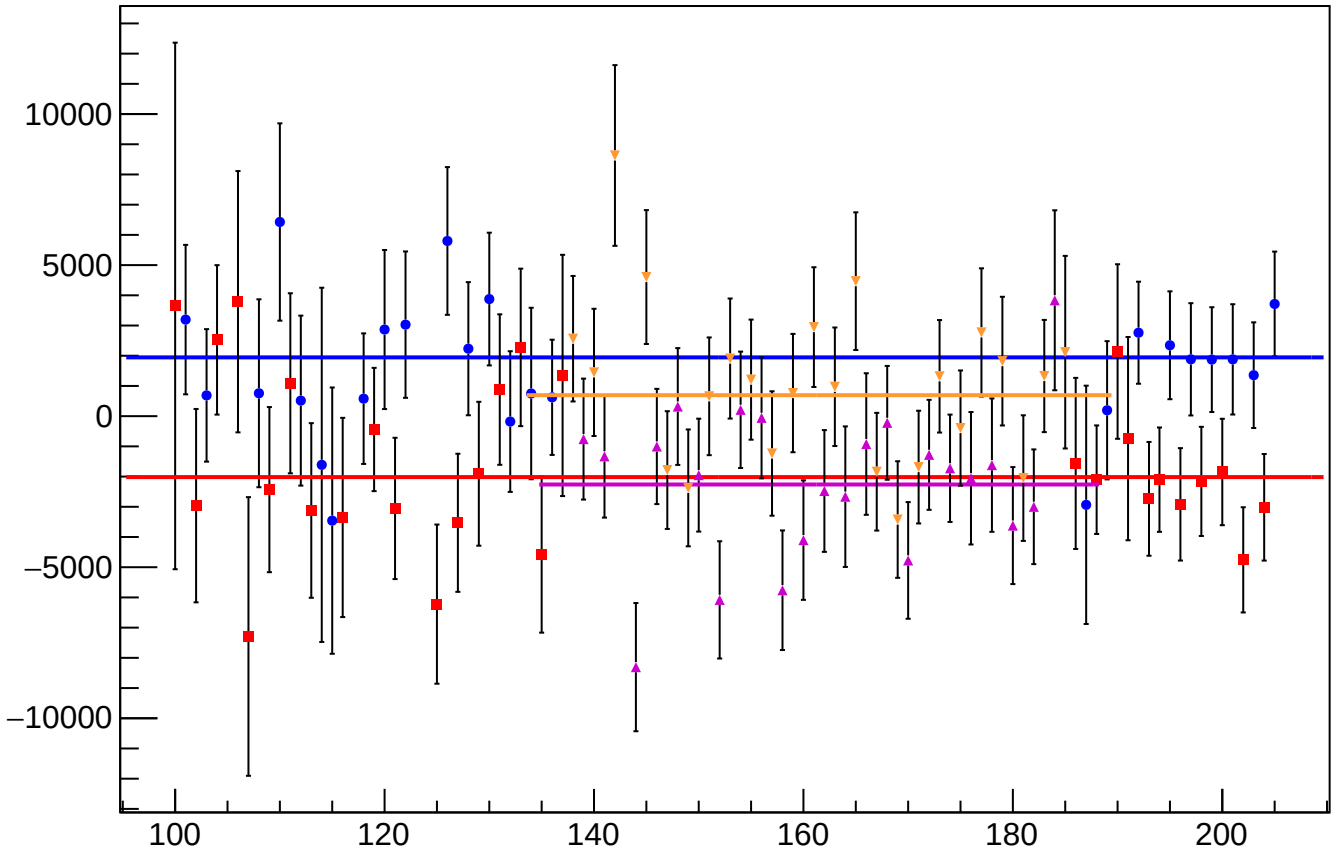
Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1420.857+/-0.273 χ^2/NDF: 39172486.0/49

All: 1399.457+/-0.195 χ^2/NDF: 80943945.3/1

- sign 1377.240+/-0.278 χ^2/NDF: 41758961.3/52



Right In: 1945.416+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -2016.914+/-442.067 χ^2/NDF: 23.4/28

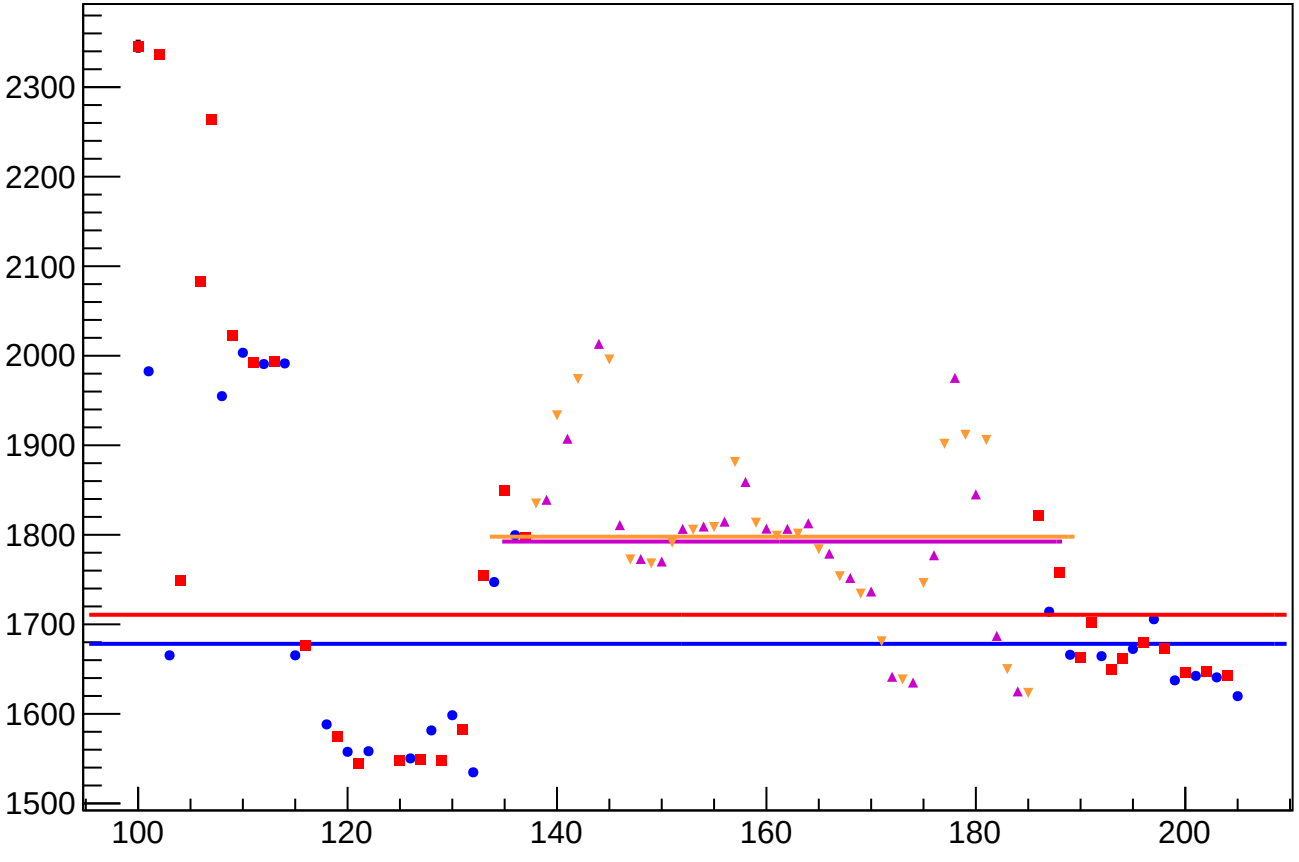
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1275.874+/-305.824 χ^2/NDF: 50.2/48

All: -444.246+/-215.664 χ^2/NDF: 167.1/100

- sign -2145.844+/-304.173 χ^2/NDF: 54.0/51

dit_asym_atl_avg_rms vs Slug



Right In: 1678.221+/-0.317 χ^2/NDF: 143715.3/24

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1710.702+/-0.312 χ^2/NDF: 274361.0/28

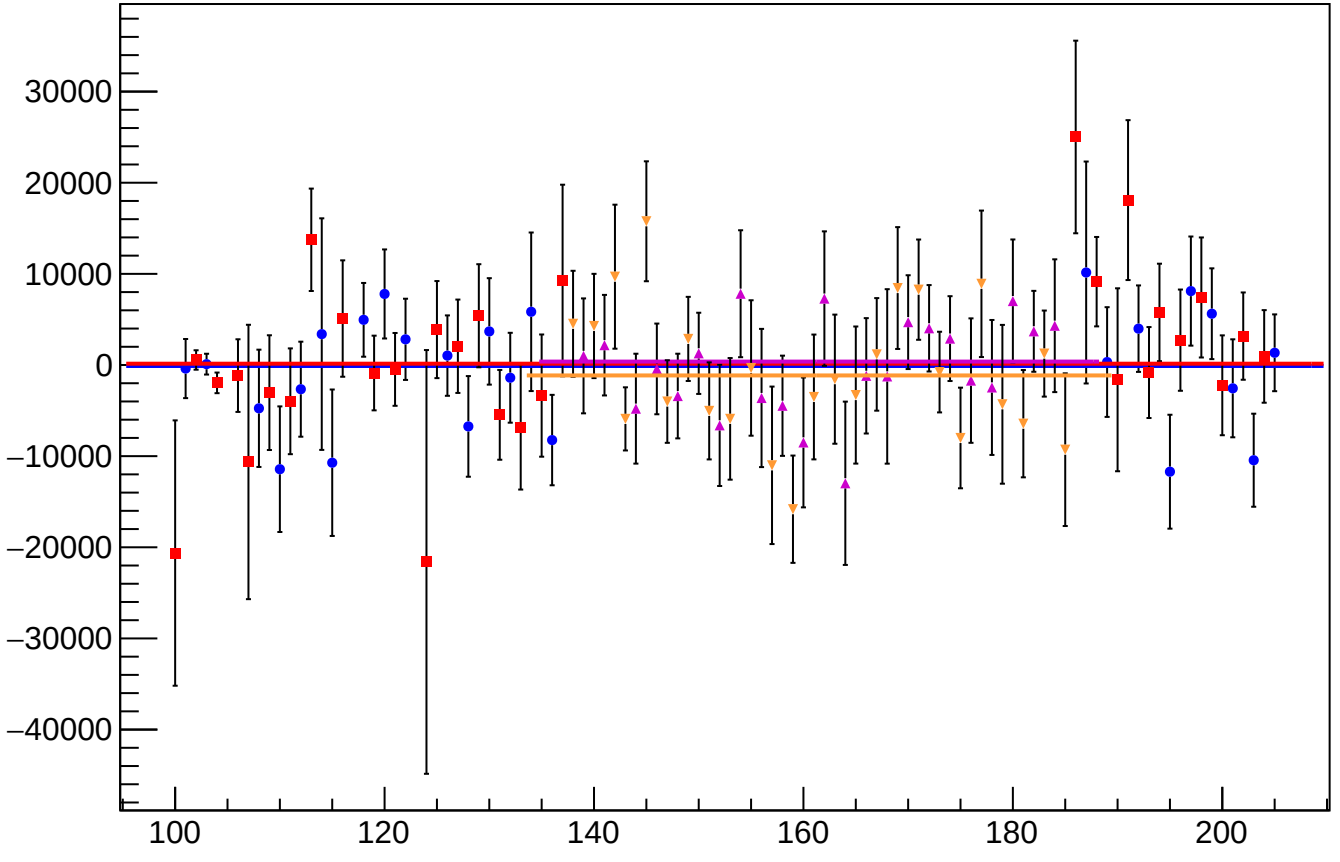
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1742.274+/-0.216 χ^2/NDF: 317921.8/48

All: 1748.023+/-0.152 χ^2/NDF: 722615.2/100

- sign 1753.706+/-0.215 χ^2/NDF: 403287.7/51

asym_atl_avg_dit_correction_mean vs Slug



Right In: -105.806+/-783.194 χ^2/NDF: 27.6/24

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 142.875+/-634.012 χ^2/NDF: 35.6/29

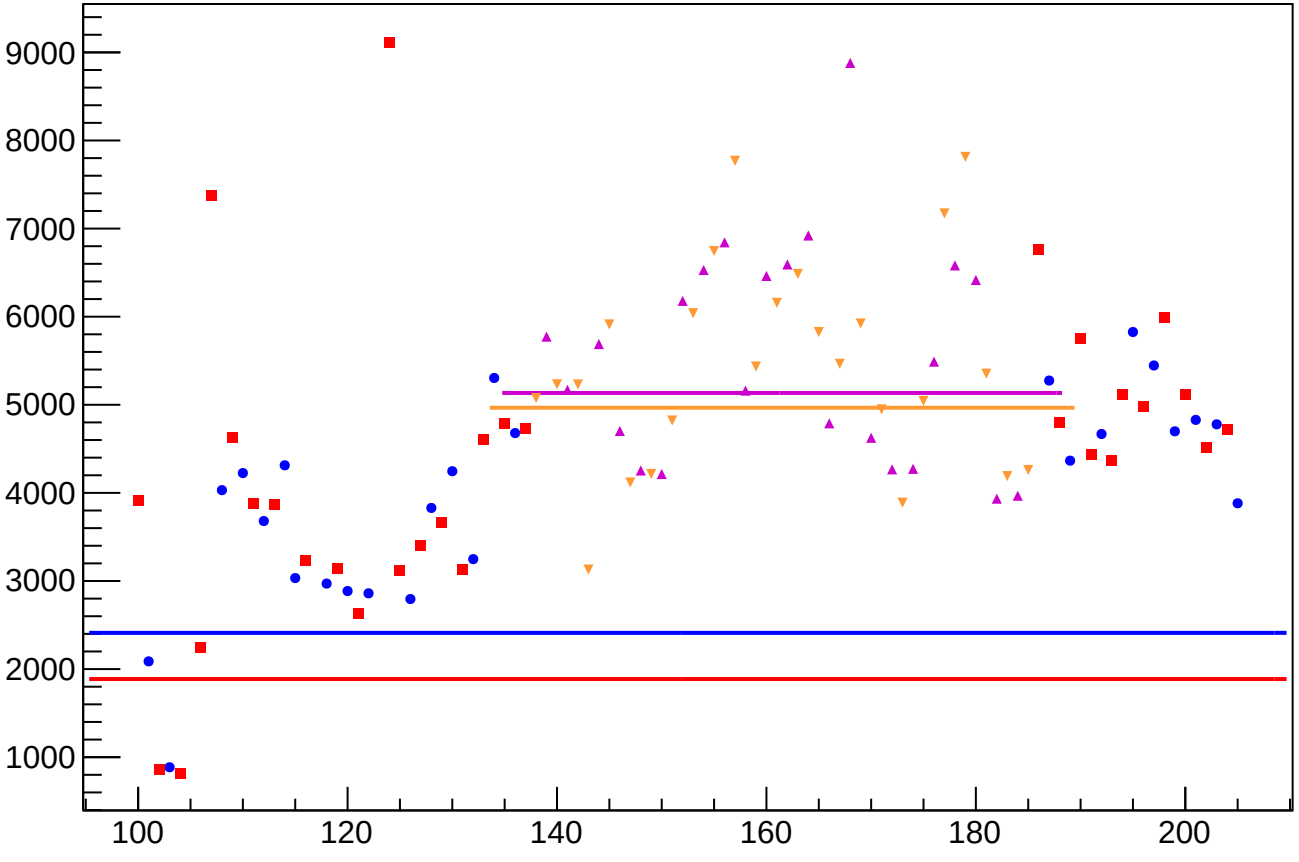
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -429.297+/-649.877 χ^2/NDF: 60.7/49

All: -74.792+/-425.710 χ^2/NDF: 110.2/102

- sign 191.669+/-563.426 χ^2/NDF: 48.9/52

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2411.384+/-0.554 χ^2/NDF: 8538968.0/24

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1887.193+/-0.448 χ^2/NDF: 12981133.3/29

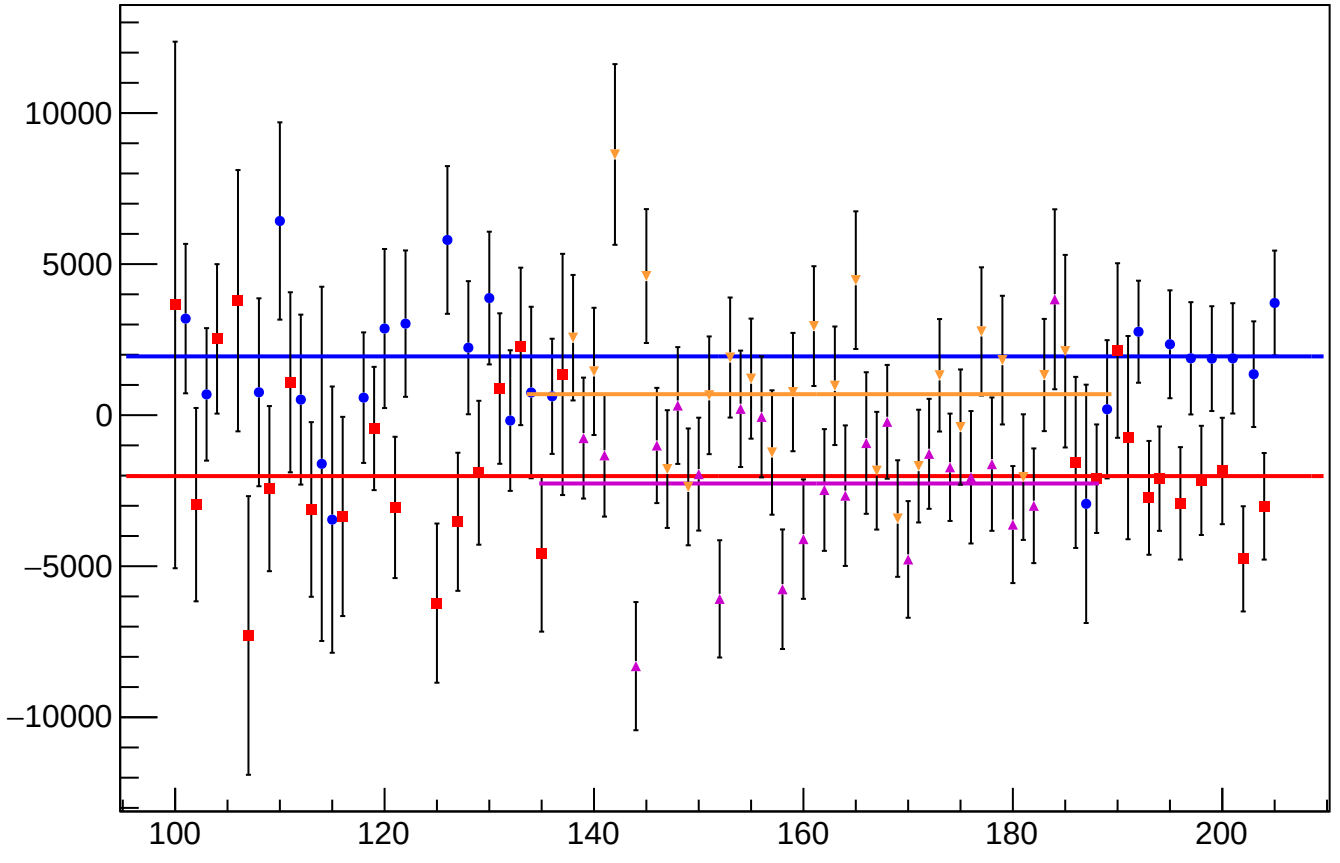
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3207.341+/-0.460 χ^2/NDF: 17089079.6/49

All: 2843.487+/-0.301 χ^2/NDF: 43687290.6/1

- sign 2570.000+/-0.398 χ^2/NDF: 25500050.8/52

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1945.411+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -2016.912+/-442.067 χ^2/NDF: 23.4/28

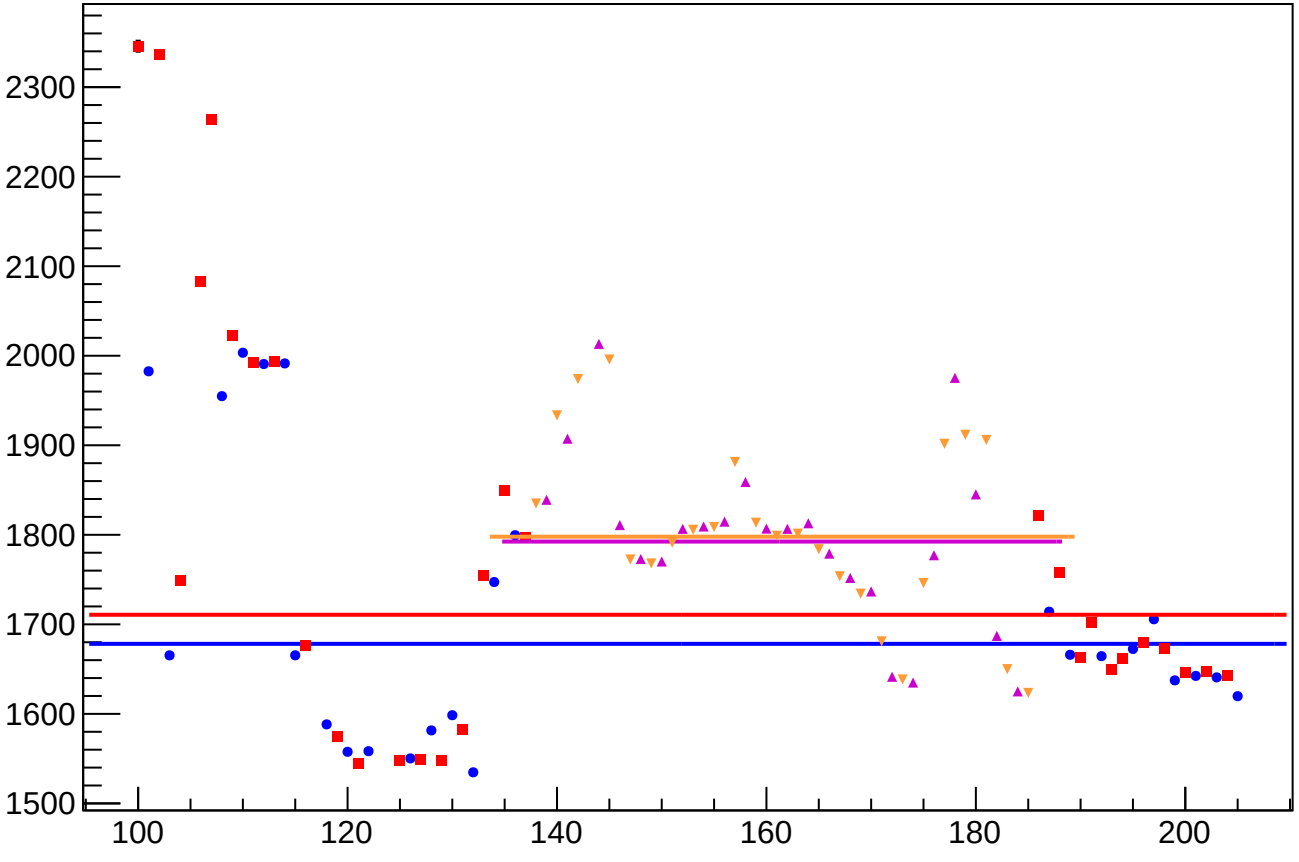
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1275.870+/-305.824 χ^2/NDF: 50.2/48

All: -444.248+/-215.664 χ^2/NDF: 167.1/100

- sign -2145.843+/-304.173 χ^2/NDF: 54.0/51

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1678.220+/-0.317 χ^2/NDF: 143715.5/24

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

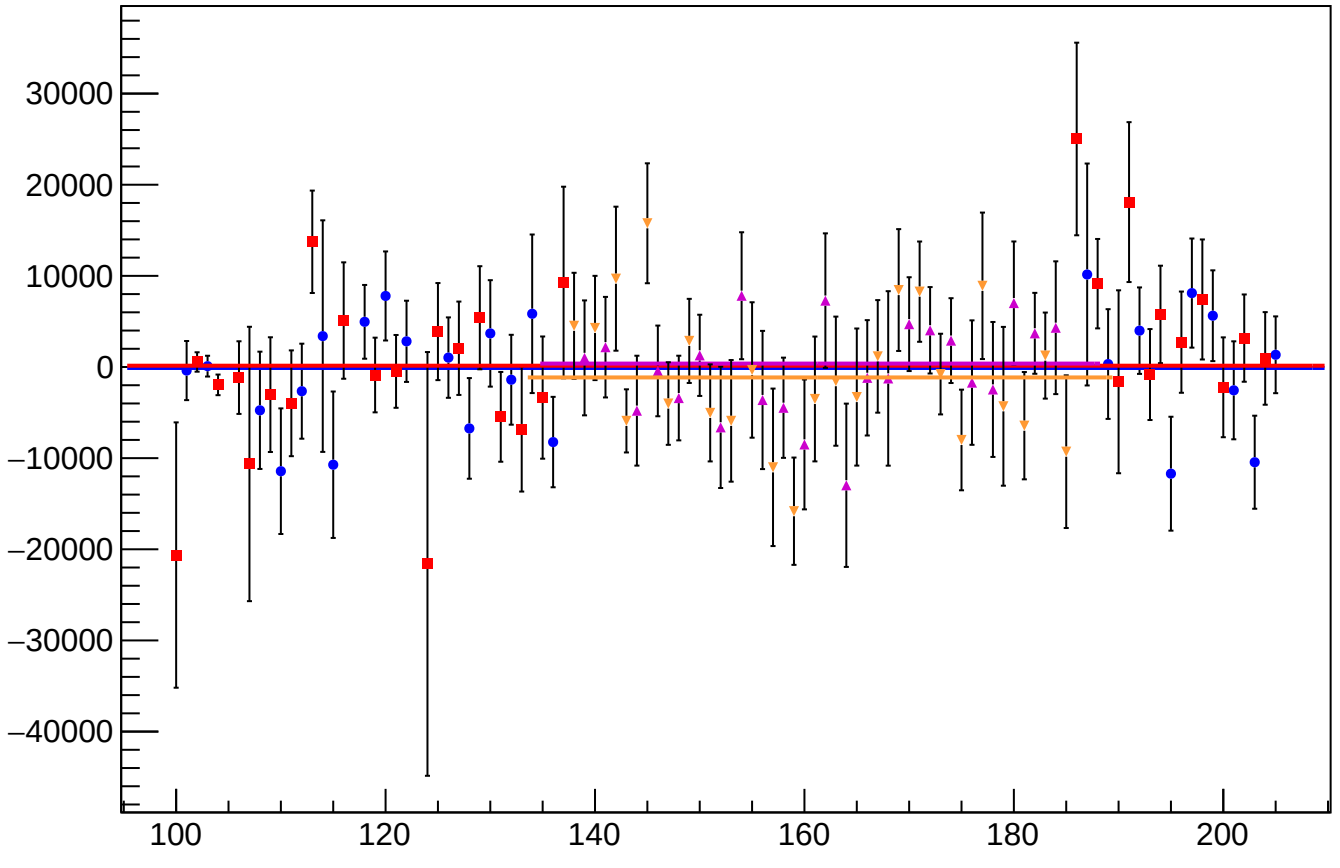
Right Out: 1710.702+/-0.312 χ^2/NDF: 274360.2/28

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1742.274+/-0.216 χ^2/NDF: 317927.3/48

All: 1748.024+/-0.152 χ^2/NDF: 722624.3/100

- sign 1753.706+/-0.215 χ^2/NDF: 403291.4/51



Right In: -105.802+/-783.190 χ^2/NDF: 27.6/24

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 142.868+/-634.008 χ^2/NDF: 35.6/29

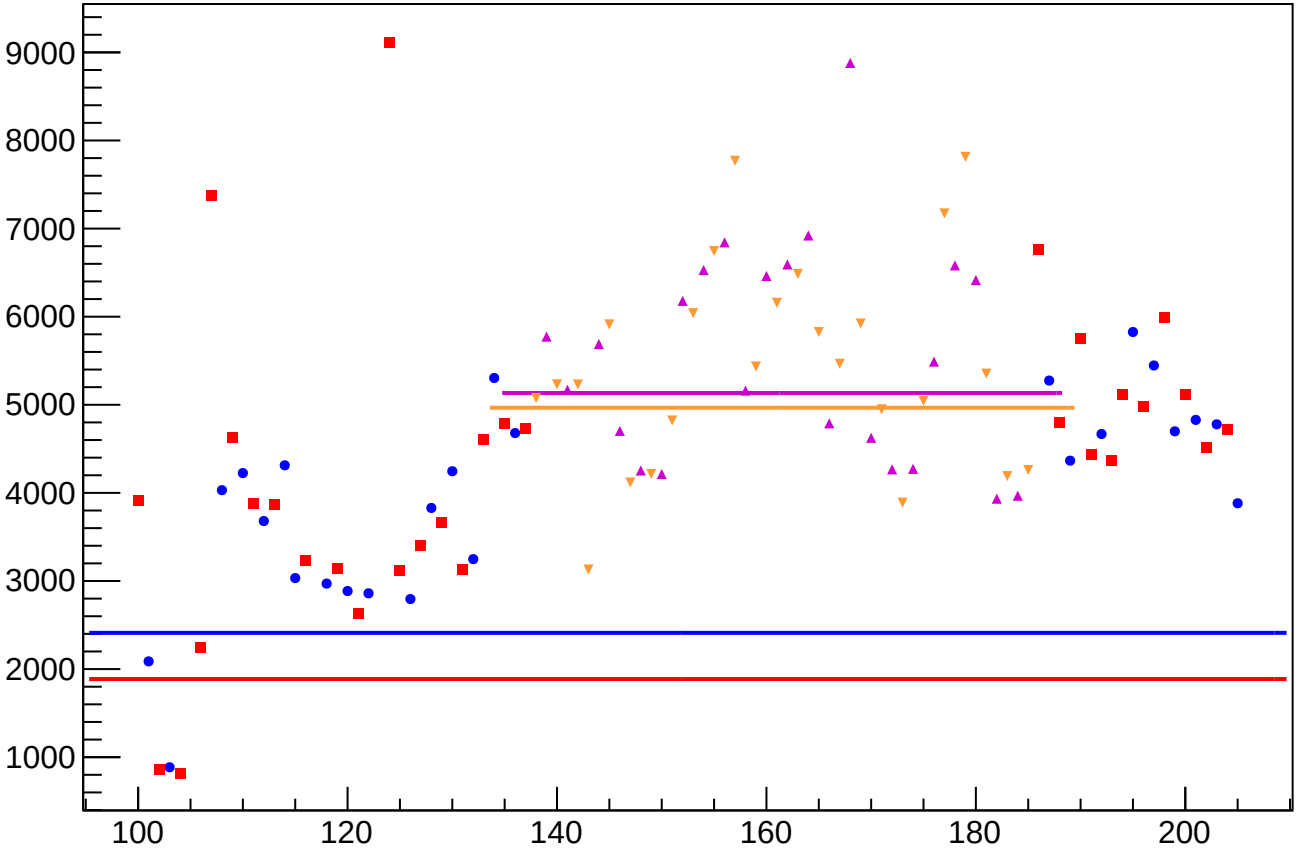
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -429.293+/-649.875 χ^2/NDF: 60.7/49

All: -74.793+/-425.708 χ^2/NDF: 110.2/102

\- sign 191.664+/-563.423 χ^2/NDF: 48.9/52

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2411.365+/-0.554 χ^2/NDF: 8539072.8/24

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1887.176+/-0.448 χ^2/NDF: 12981243.2/29

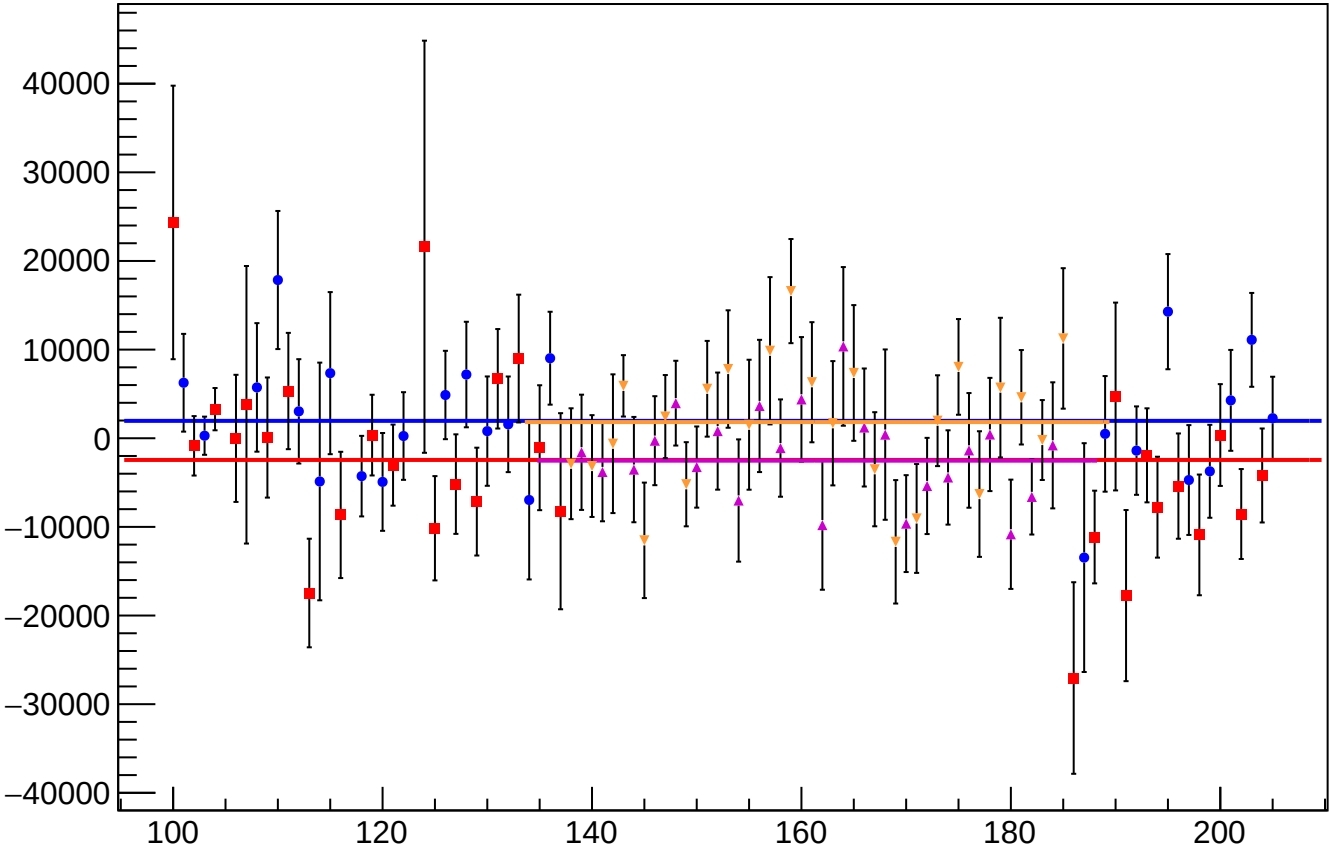
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3207.323+/-0.460 χ^2/NDF: 17089332.7/49

All: 2843.467+/-0.301 χ^2/NDF: 43687852.5/1

- sign 2569.979+/-0.398 χ^2/NDF: 25500341.0/52

asym_atl_avg_mean vs Slug



Right In: 1962.097+/-1054.815 χ^2/NDF: 24.8/24

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2447.506+/-1034.366 χ^2/NDF: 42.5/29

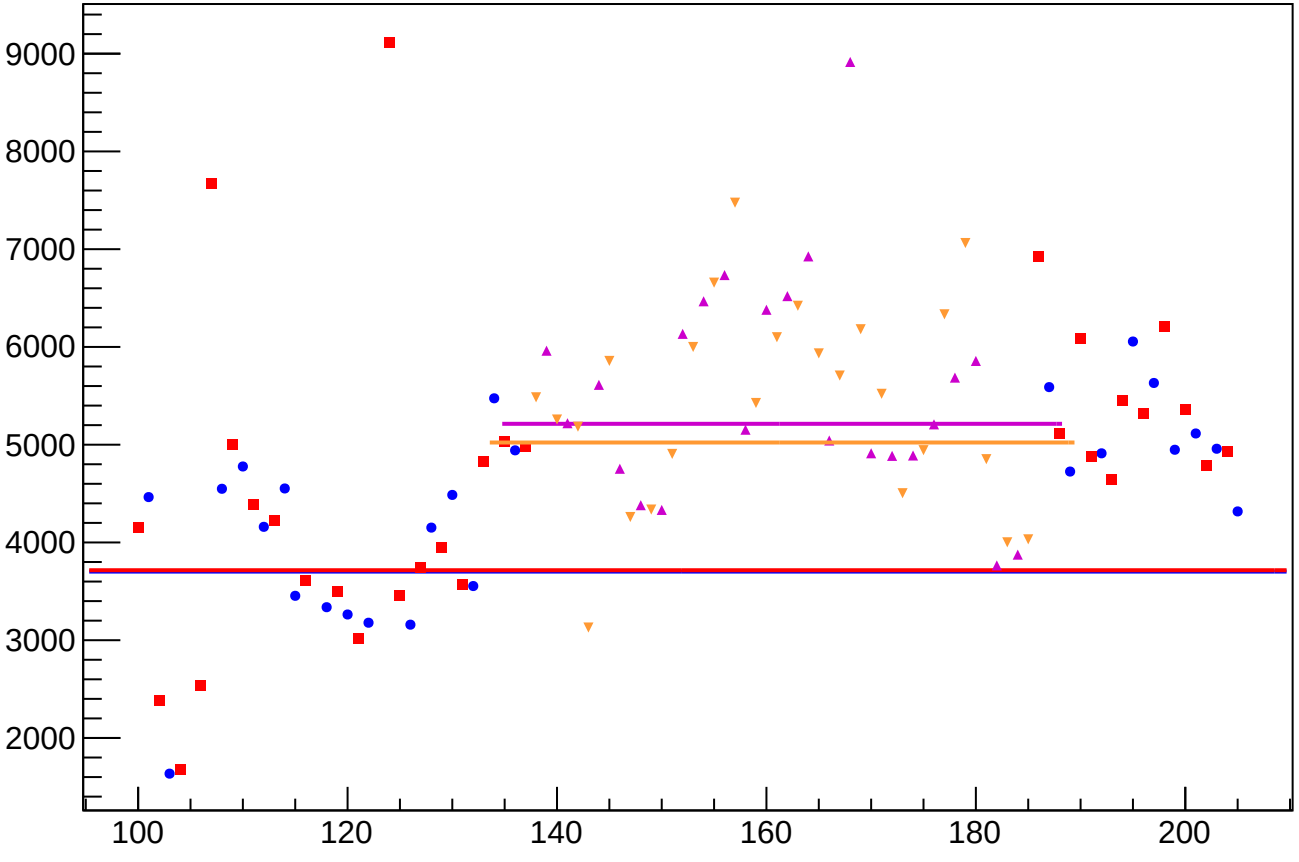
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1901.308+/-784.176 χ^2/NDF: 55.9/49

All: -260.316+/-558.225 χ^2/NDF: 127.0/102

- sign -2481.085+/-794.832 χ^2/NDF: 55.7/52

asym_atl_avg_rms vs Slug



Right In: 3702.103+/-0.746 χ^2/NDF: 3325270.7/24

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3715.832+/-0.723 χ^2/NDF: 3911127.6/29

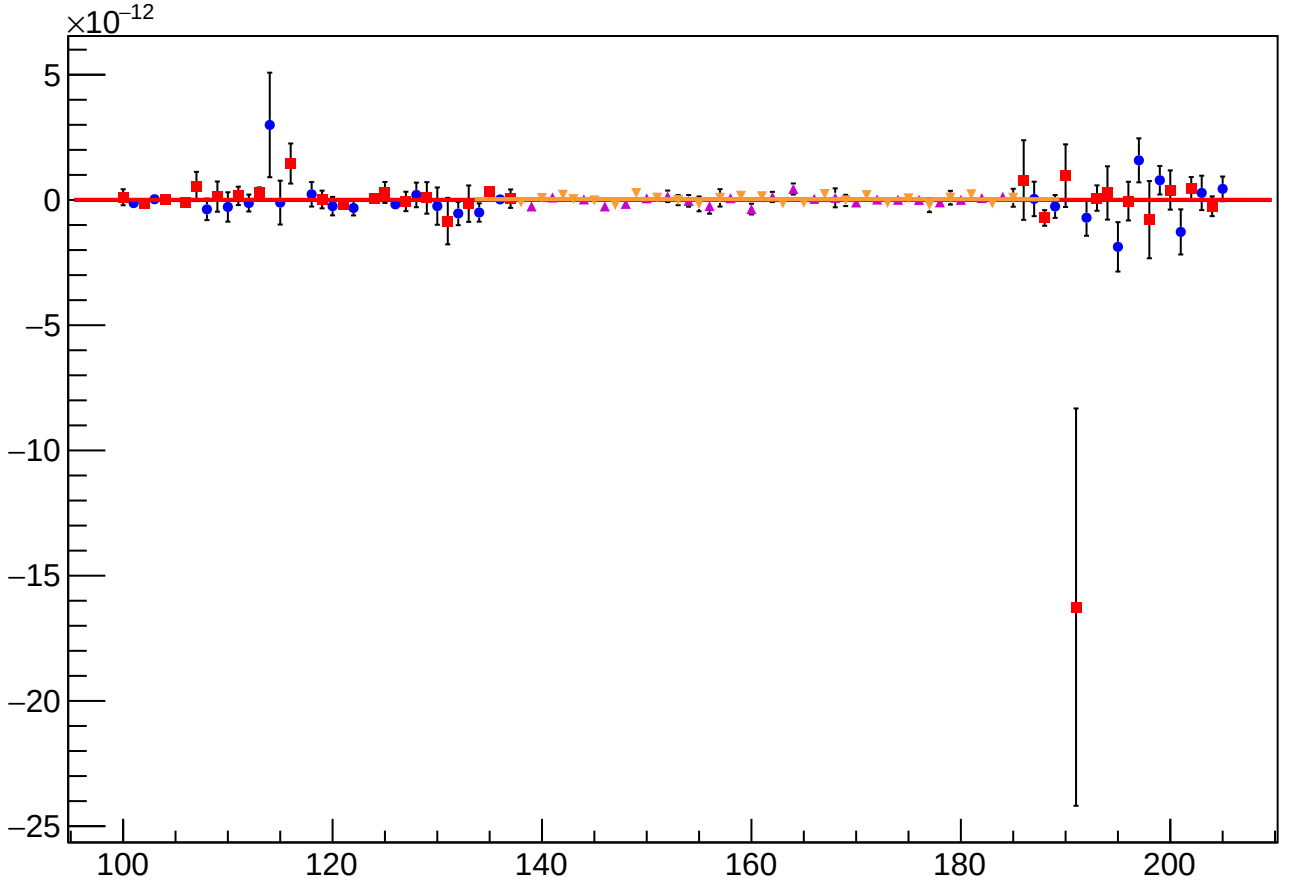
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4292.700+/-0.554 χ^2/NDF: 6403543.1/49

All: 4306.898+/-0.393 χ^2/NDF: 13271933.6/1

- sign 4321.296+/-0.558 χ^2/NDF: 6867070.0/52

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

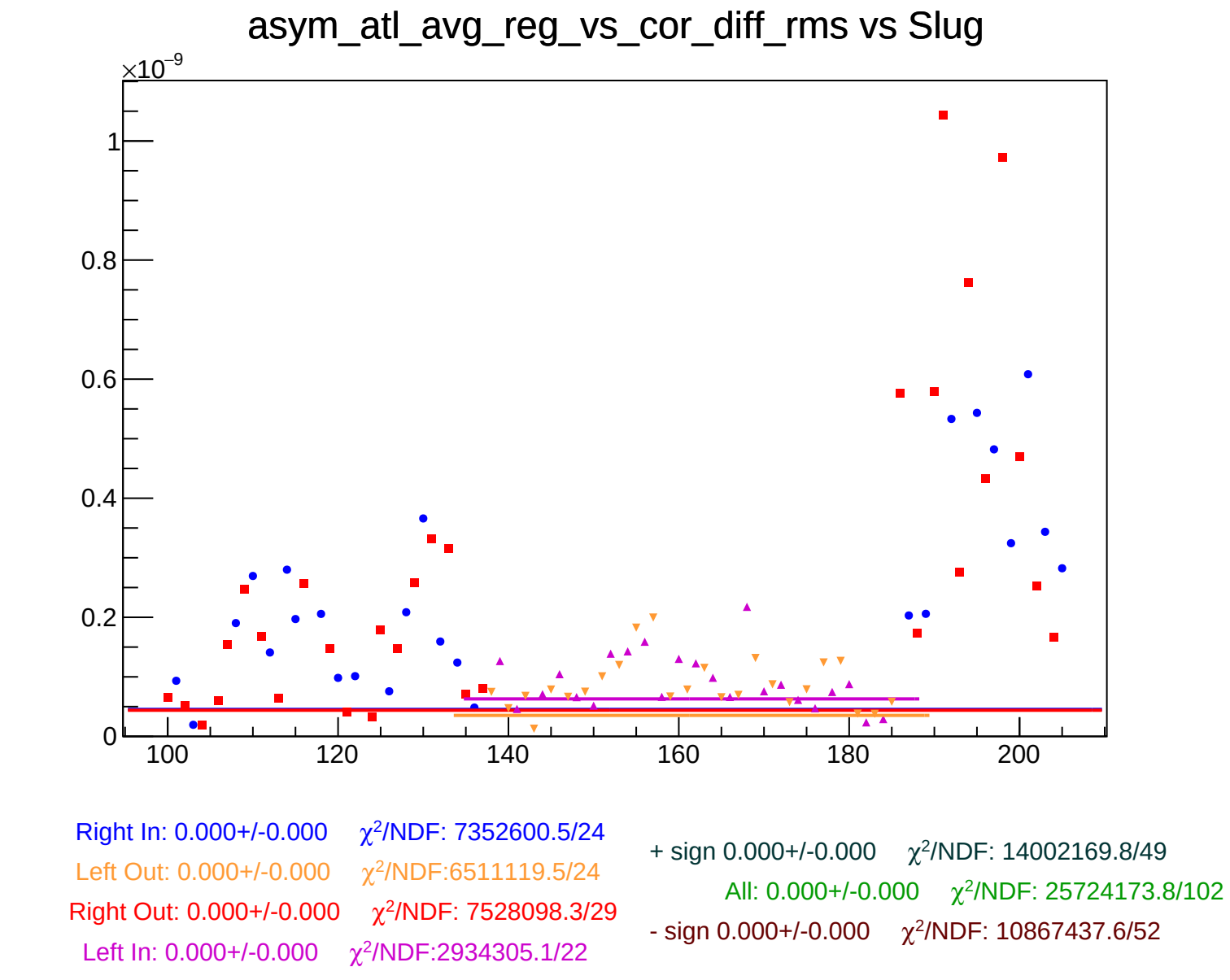
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

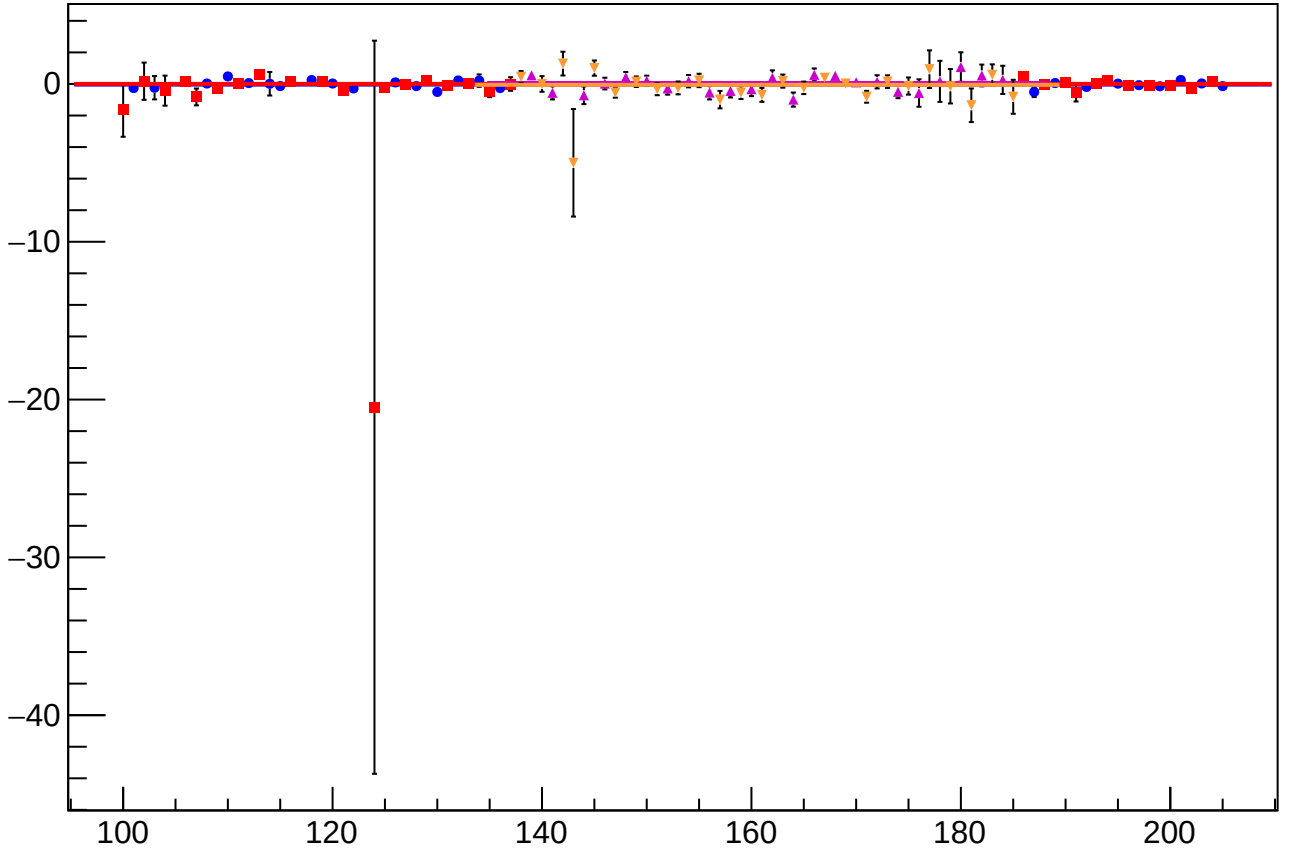
+ sign 0.000+/-0.000 χ^2/NDF: 49.5/49

All: 0.000+/-0.000 χ^2/NDF: 96.3/102

- sign 0.000+/-0.000 χ^2/NDF: 46.6/52


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7352600.5/24
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 7528098.3/29
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 14002169.8/49
All: 0.000+/-0.000 χ²/NDF: 25724173.8/102
- sign 0.000+/-0.000 χ²/NDF: 10867437.6/52

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

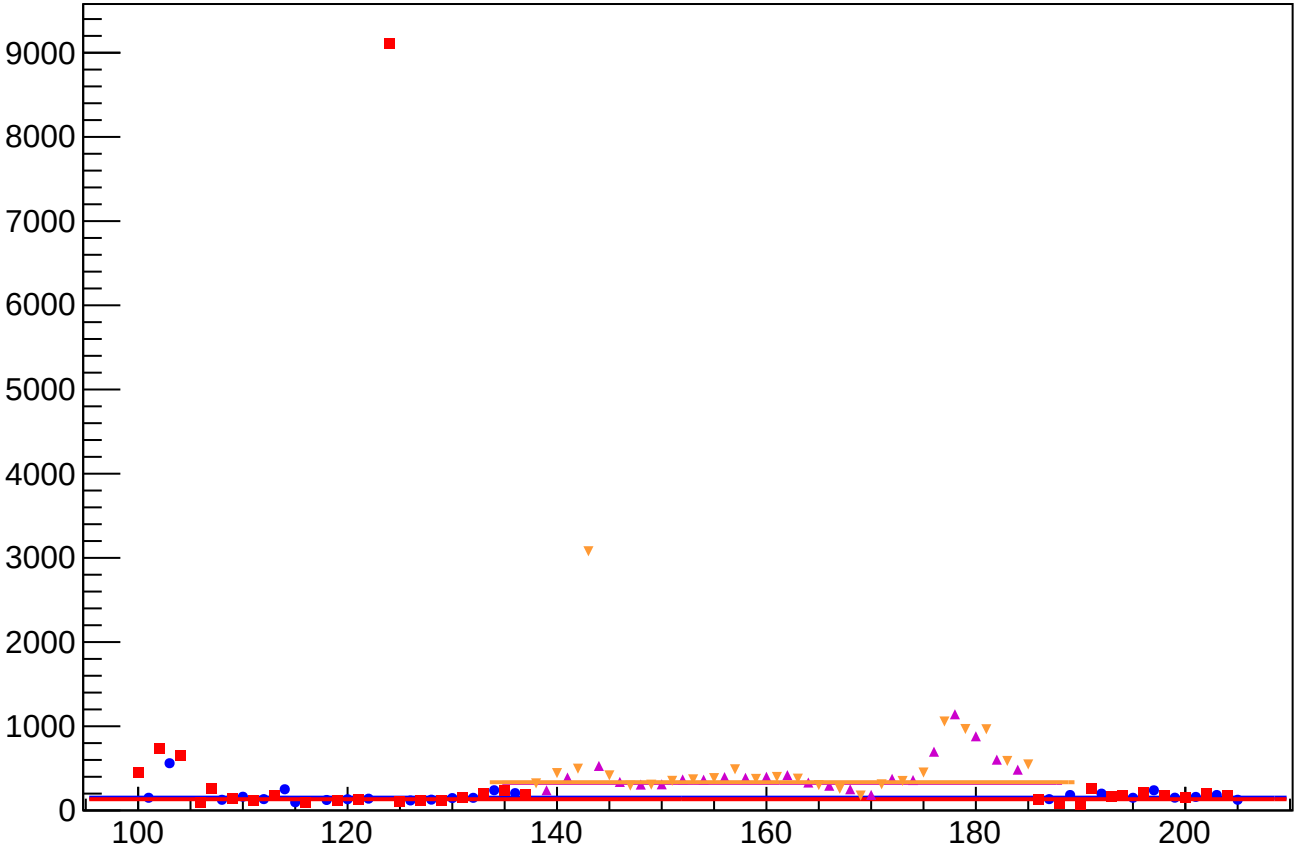
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.011+/-0.026 χ^2/NDF: 118.2/102

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

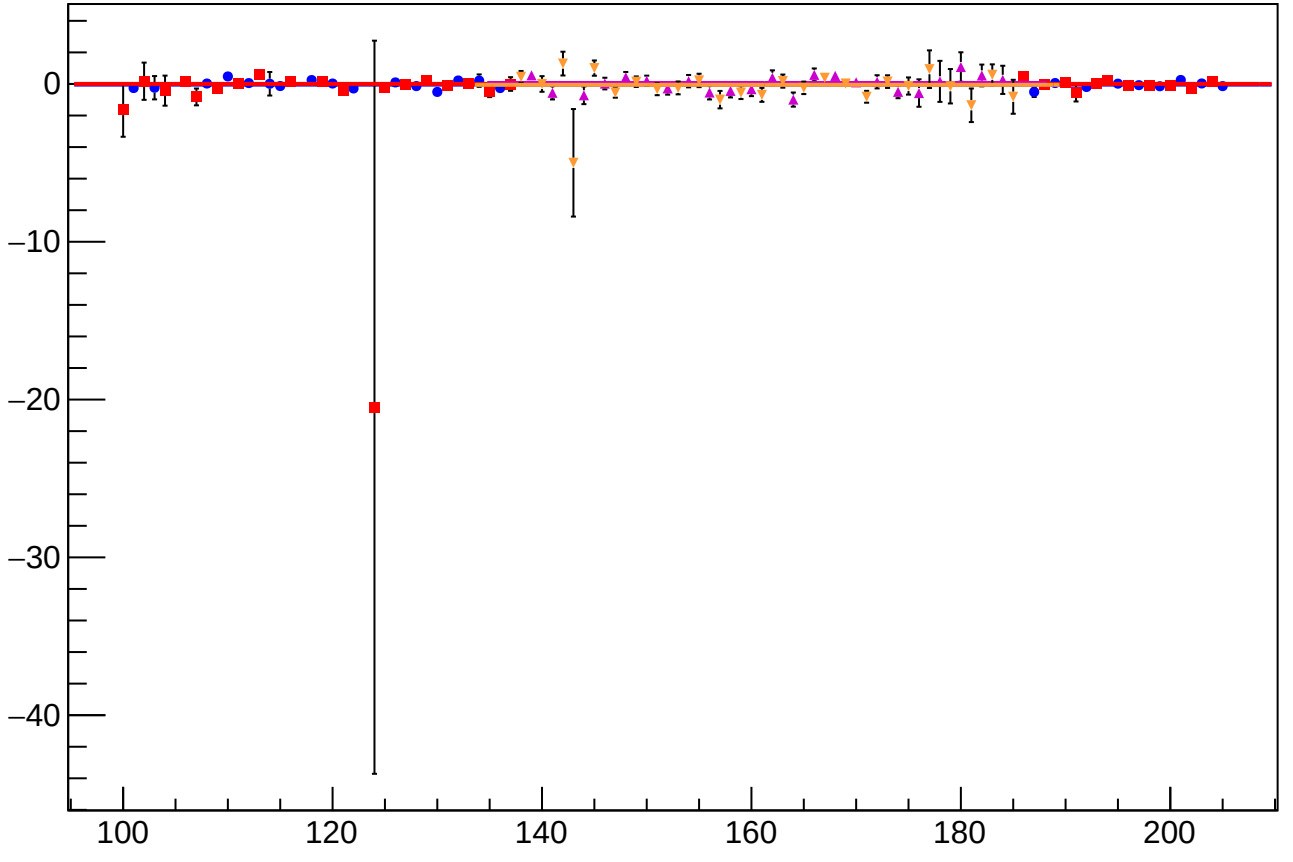
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 190.422+/-0.027 χ^2/NDF: 14856630.2/49

All: 178.339+/-0.018 χ^2/NDF: 32349134.9/10

- sign 168.431+/-0.025 χ^2/NDF: 17138512.4/52

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

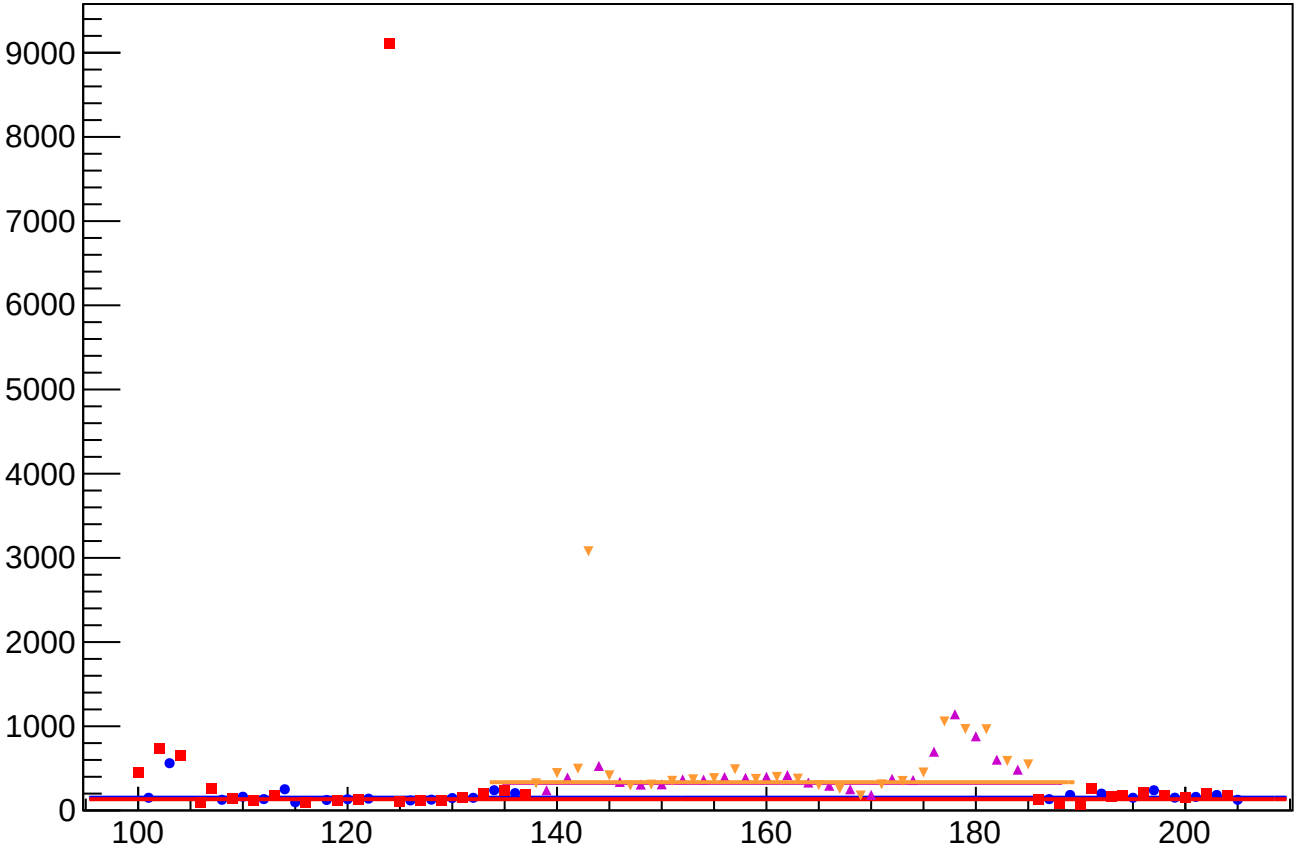
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.011+/-0.026 χ^2/NDF: 118.2/102

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

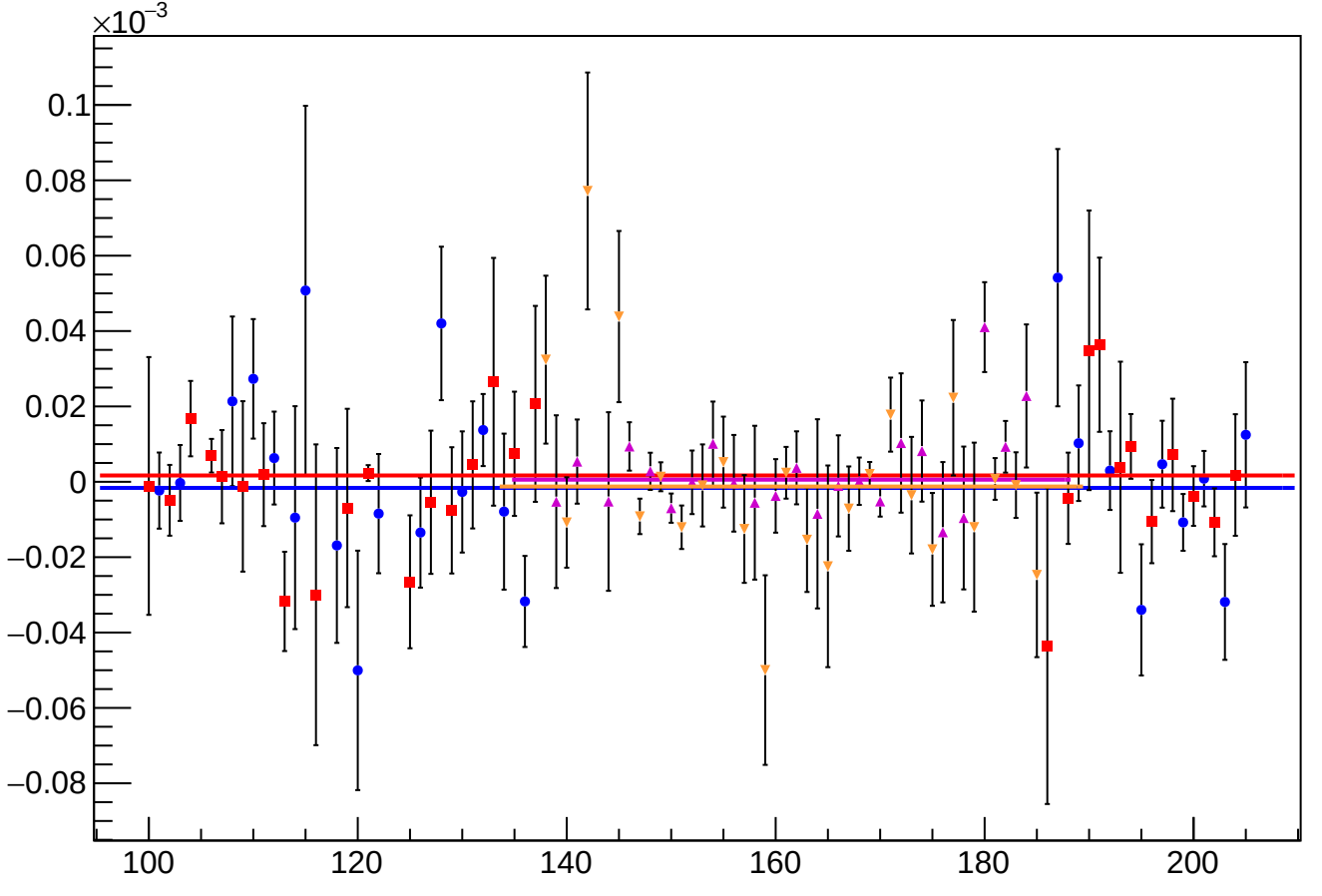
Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 190.422+/-0.027 χ^2/NDF: 14856630.2/49

All: 178.339+/-0.018 χ^2/NDF: 32349134.9/10

- sign 168.431+/-0.025 χ^2/NDF: 17138512.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

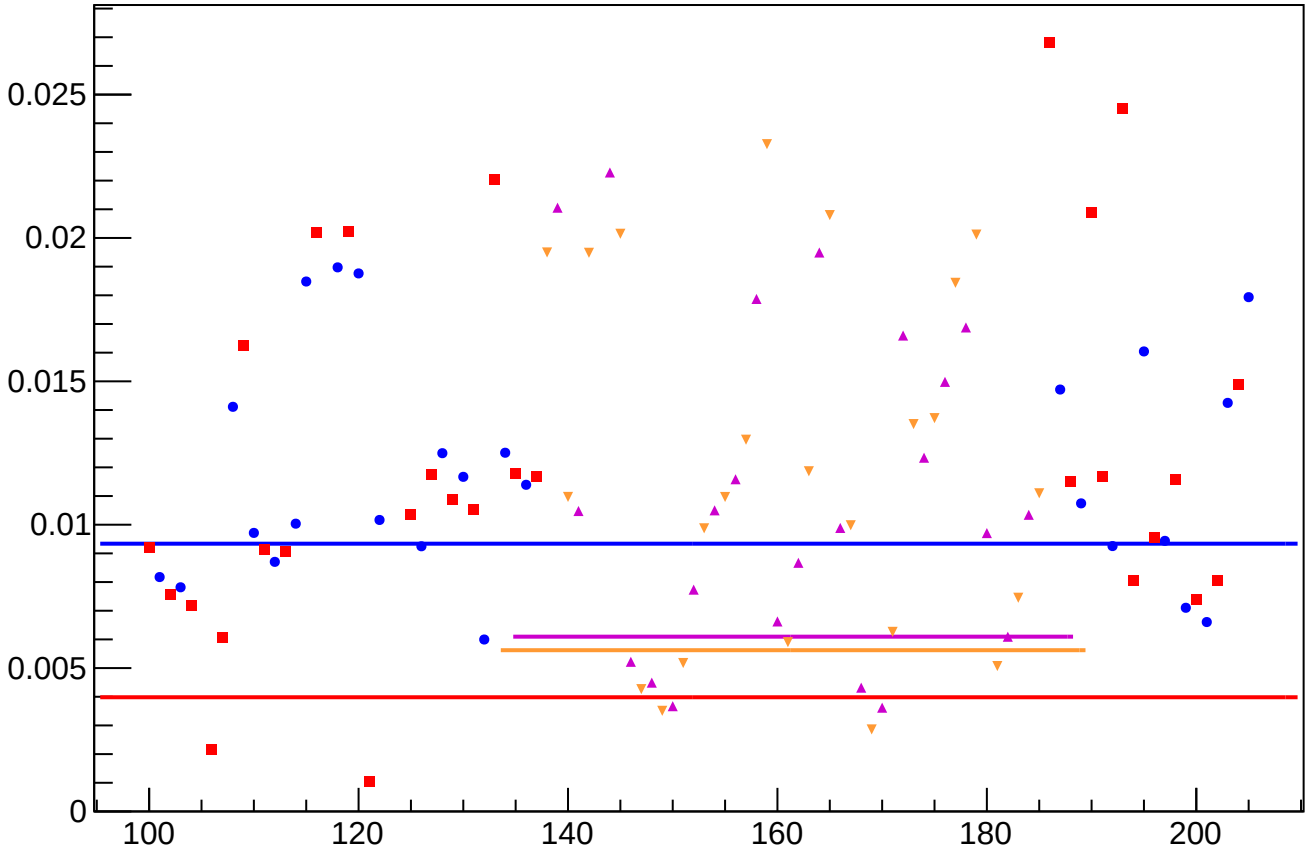
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.0/48

All: 0.000+/-0.000 χ^2/NDF: 124.3/100

- sign 0.000+/-0.000 χ^2/NDF: 50.4/51

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2555020.9/24

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15755985.3/28

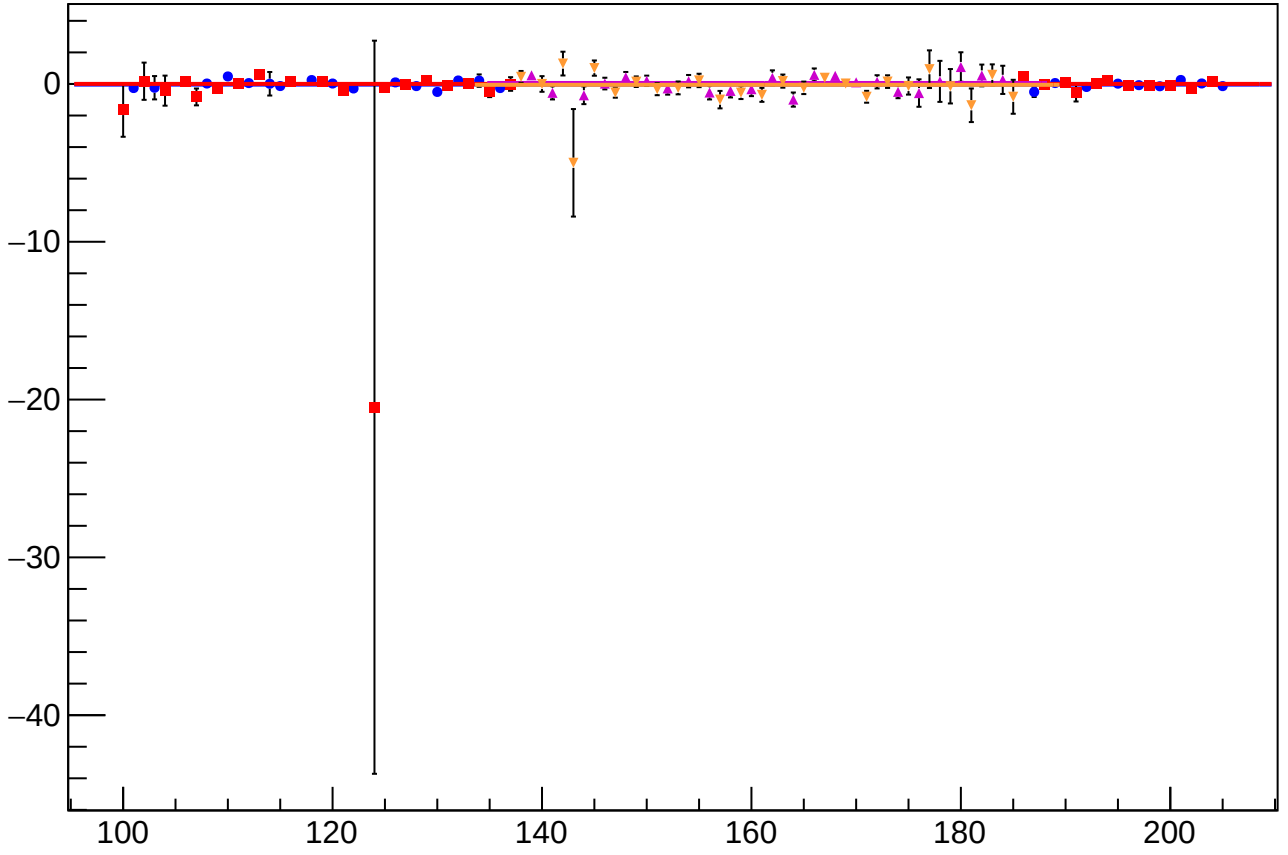
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 16557974.8/48

All: 0.006+/-0.000 χ^2/NDF: 44485695.0/100

- sign 0.005+/-0.000 χ^2/NDF: 26195828.0/51

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

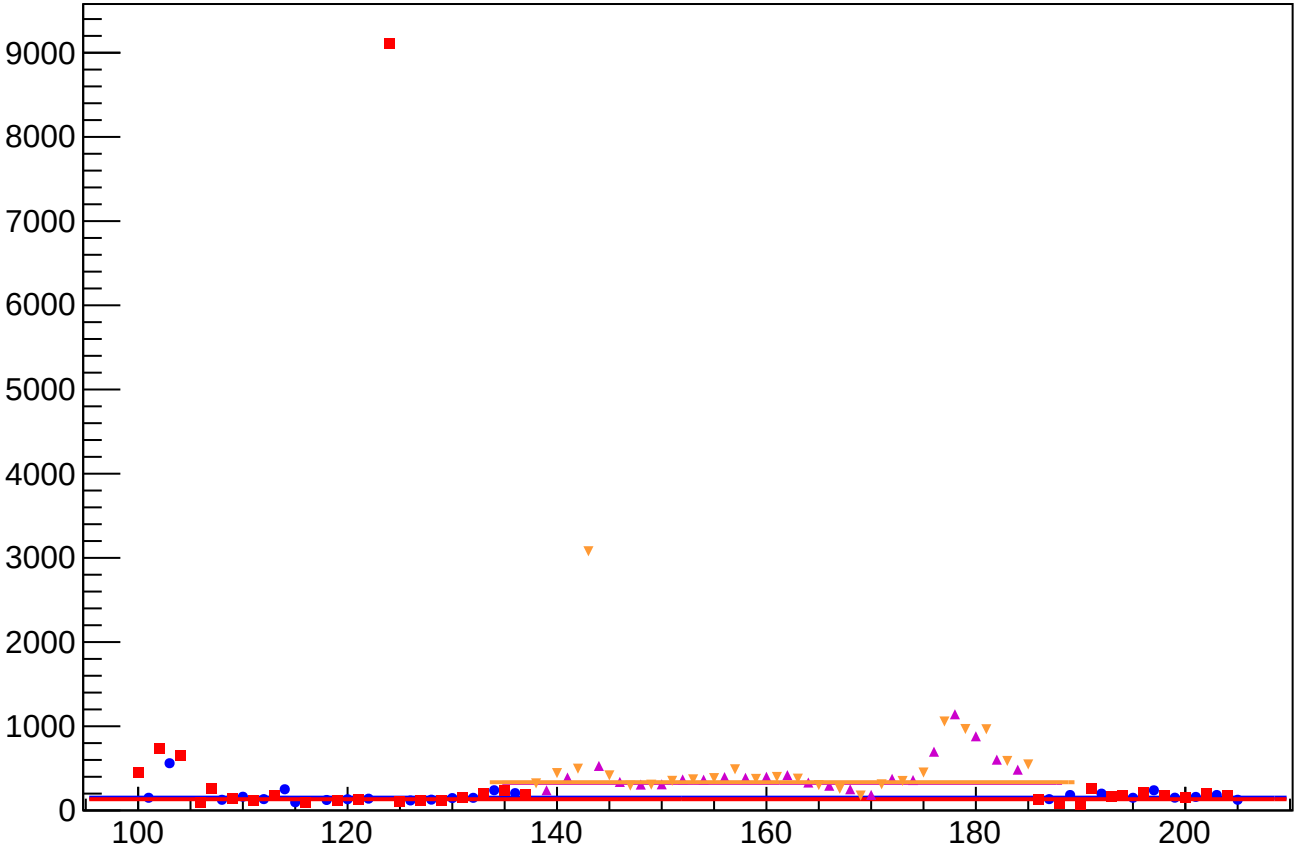
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.011+/-0.026 χ^2/NDF: 118.2/102

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

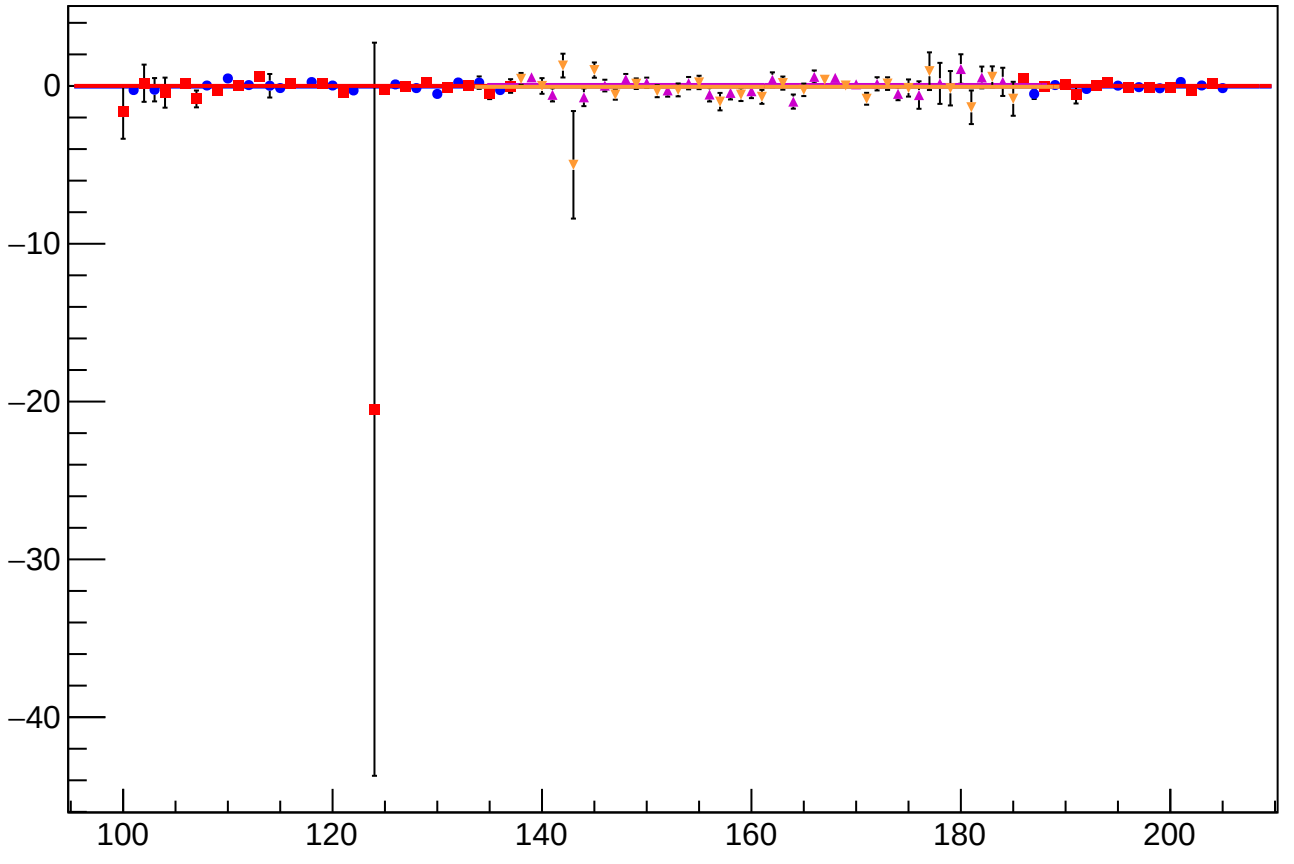
Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 190.420+/-0.027 χ^2/NDF: 14857062.5/49

All: 178.337+/-0.018 χ^2/NDF: 32349977.6/10

- sign 168.429+/-0.025 χ^2/NDF: 17138923.8/52



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.004+/-0.039 χ^2/NDF: 31.8/29

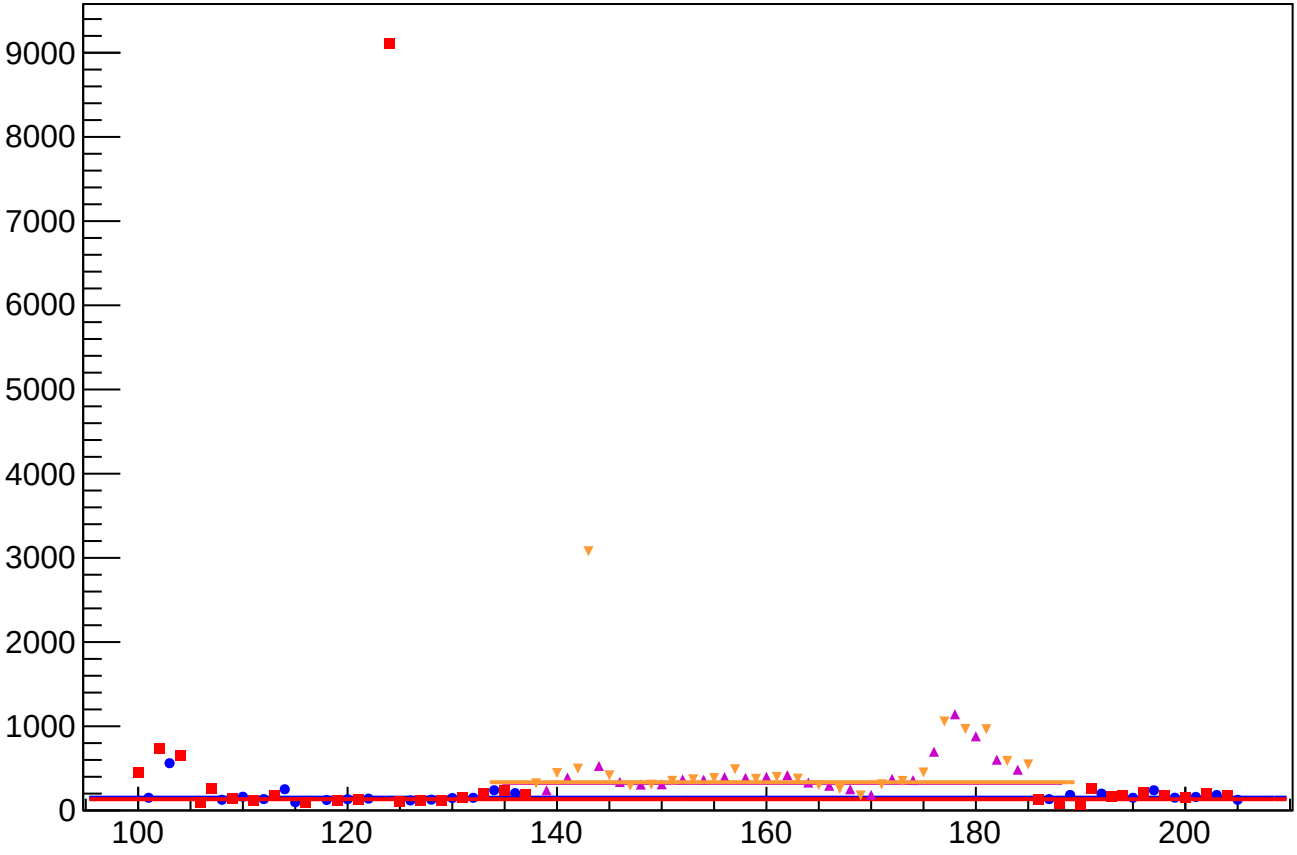
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.011+/-0.026 χ^2/NDF: 118.2/102

- sign 0.015+/-0.035 χ^2/NDF: 60.2/52

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

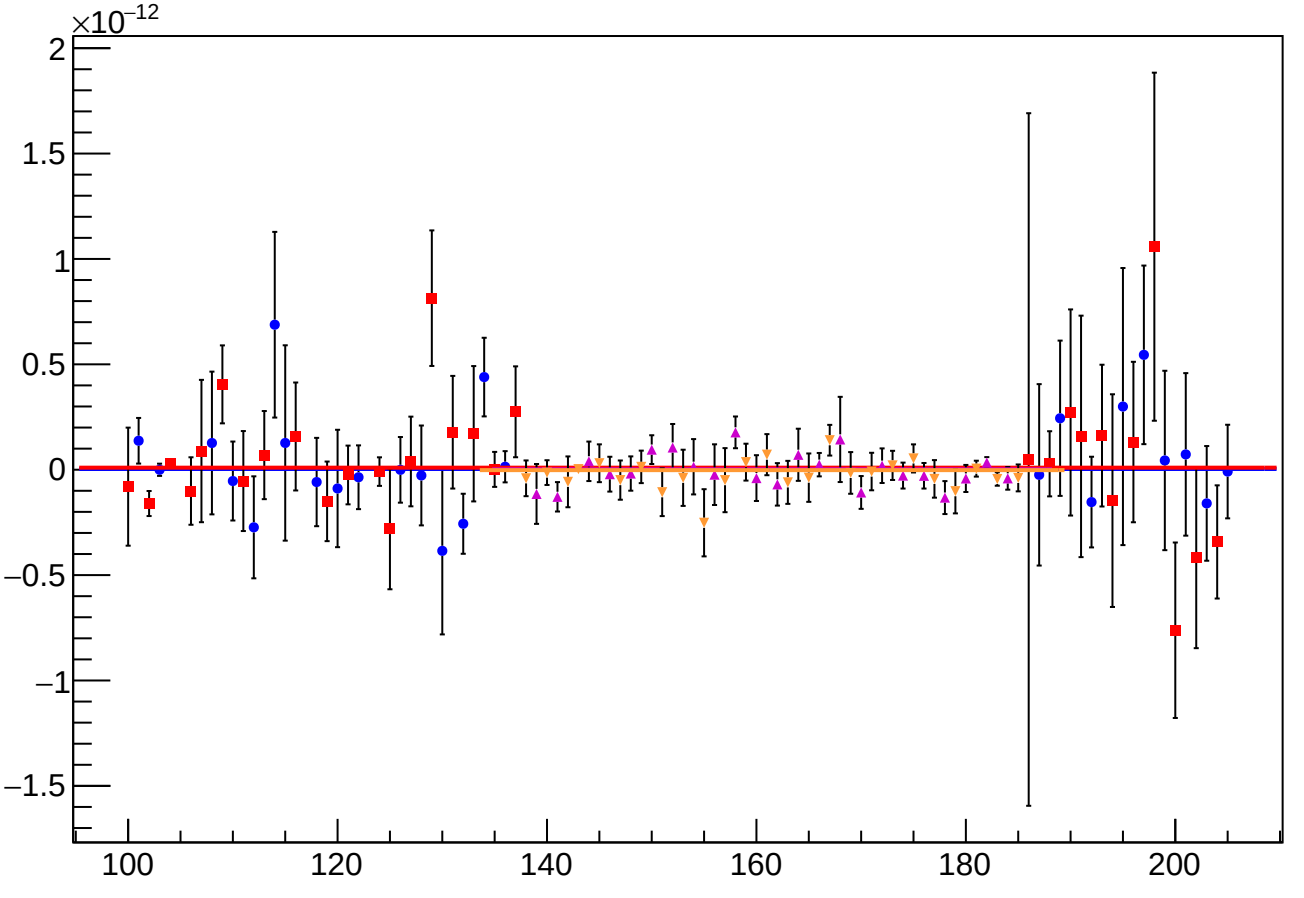
Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 190.420+/-0.027 χ^2/NDF: 14857062.5/49

All: 178.337+/-0.018 χ^2/NDF: 32349977.6/10

- sign 168.429+/-0.025 χ^2/NDF: 17138923.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/29

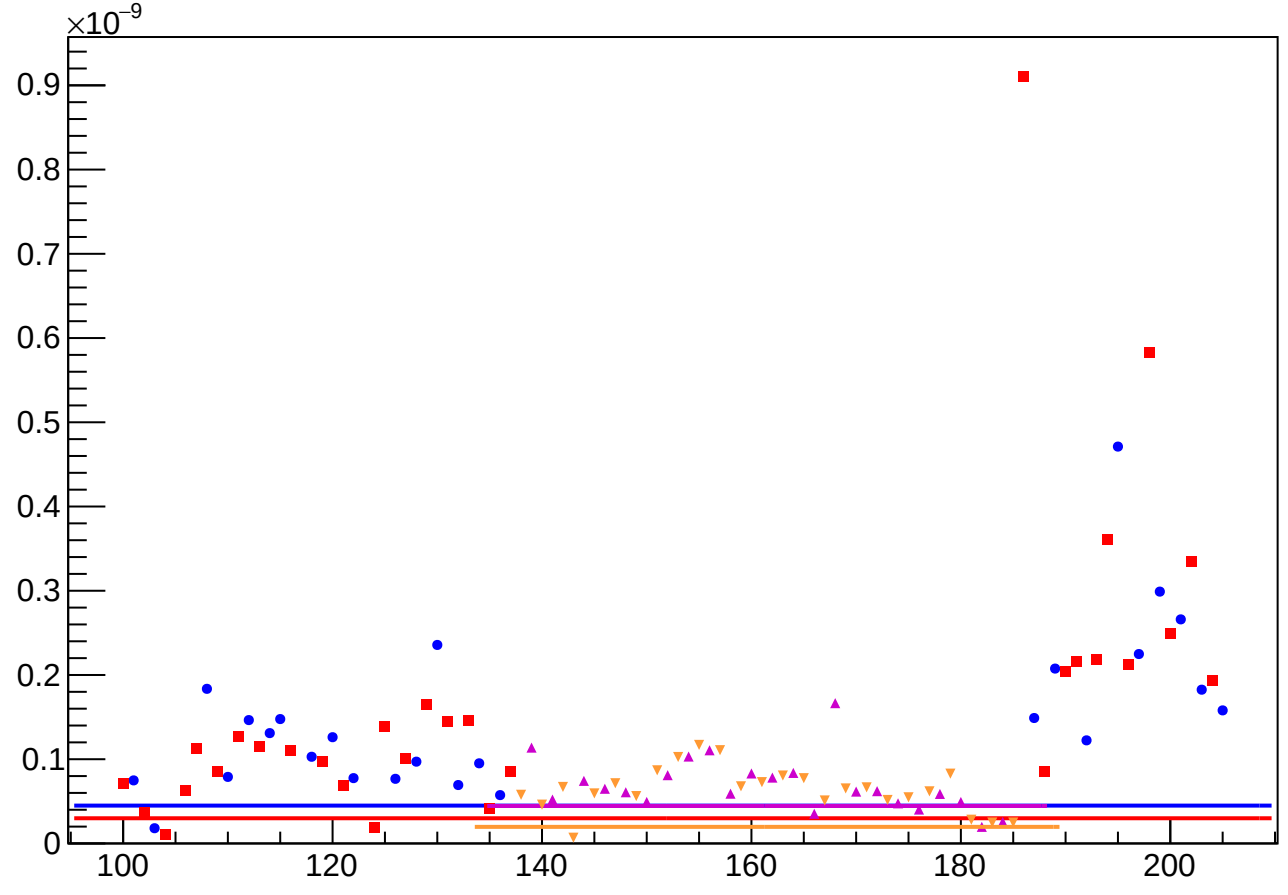
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/49

All: 0.000+/-0.000 χ^2/NDF: 88.9/102

- sign 0.000+/-0.000 χ^2/NDF: 56.2/52

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8488847.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11283810.3/29

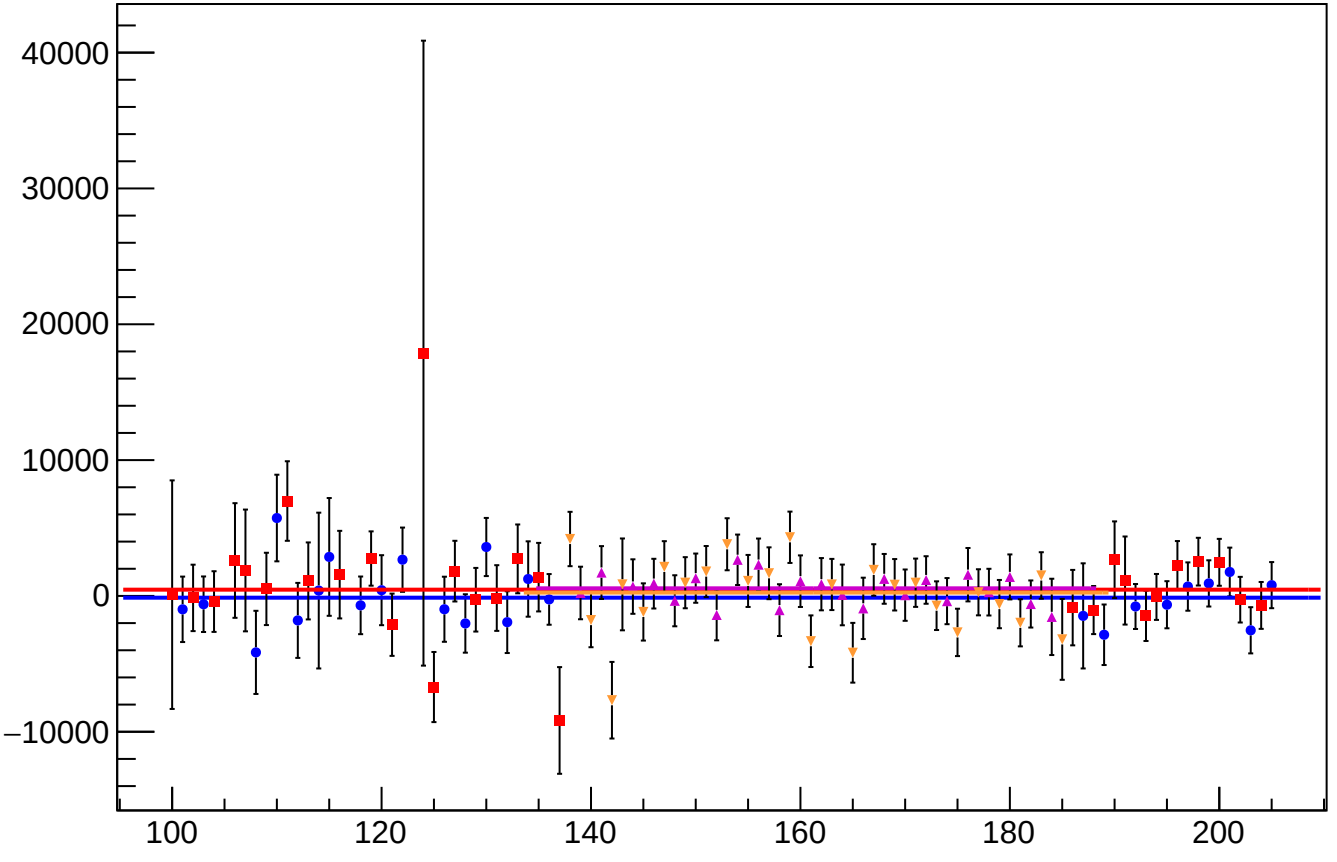
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 25452463.8/49

All: 0.000+/-0.000 χ^2/NDF: 46355772.8/102

- sign 0.000+/-0.000 χ^2/NDF: 17998609.6/52

reg_asym_atl_dd_mean vs Slug



Right In: -129.234+/-437.133 χ^2/NDF: 18.3/24

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 461.129+/-427.856 χ^2/NDF: 31.2/29

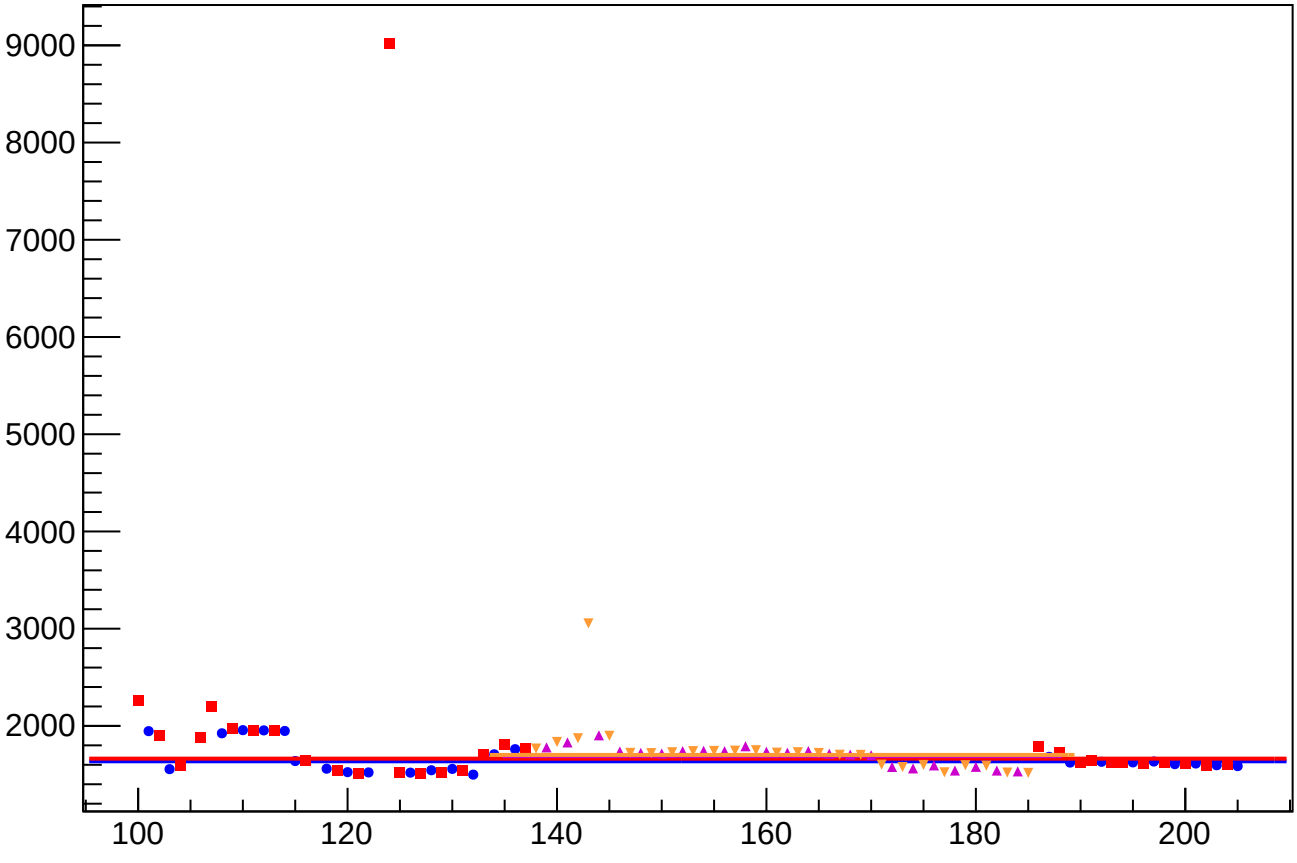
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 81.500+/-290.526 χ^2/NDF: 58.4/49

All: 298.183+/-205.343 χ^2/NDF: 98.2/102

- sign 514.490+/-290.273 χ^2/NDF: 38.8/52

reg_asym_atl_dd_rms vs Slug



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1663.308+/-0.302 χ^2/NDF: 410479.7/29

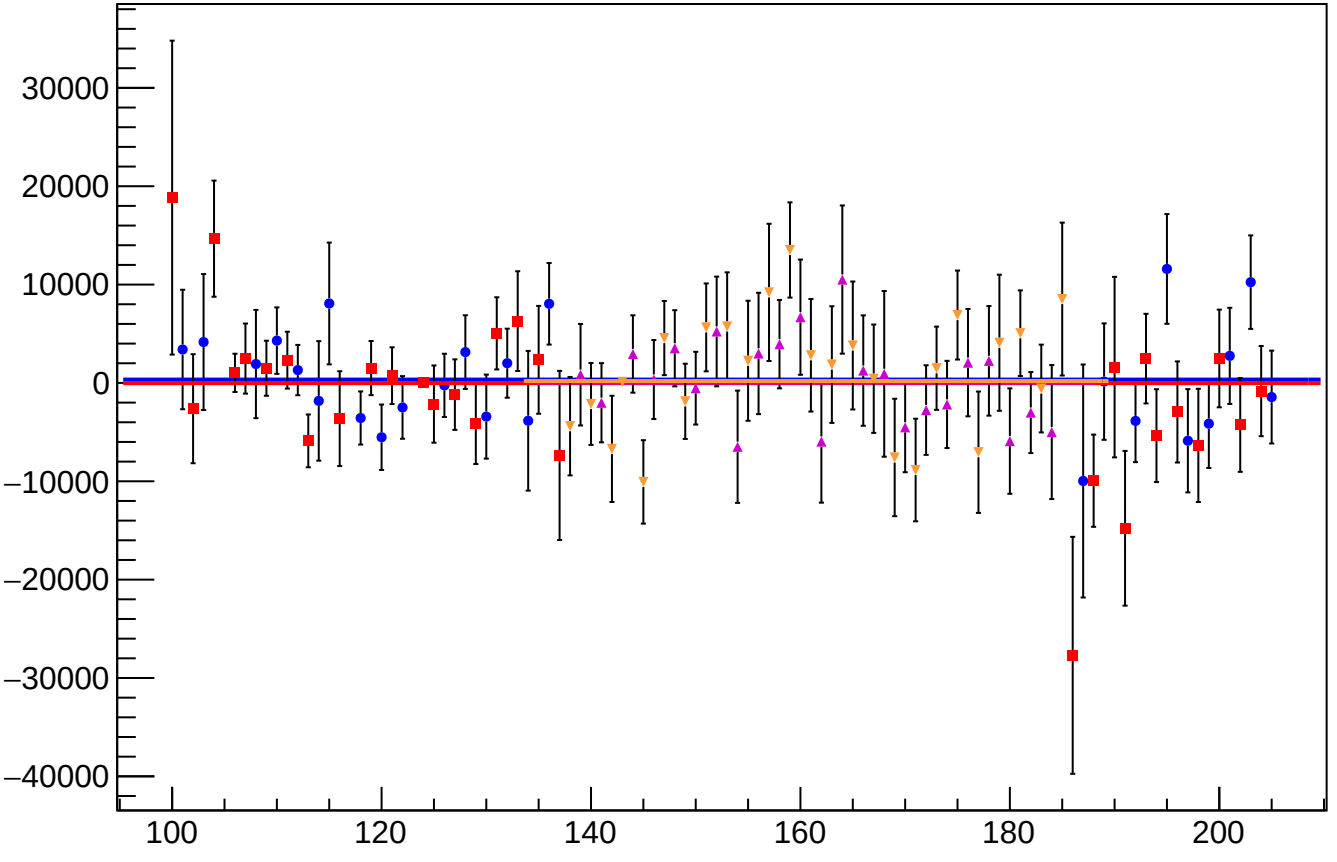
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1672.665+/-0.205 χ^2/NDF: 627950.7/49

All: 1674.980+/-0.145 χ^2/NDF: 1164982.1/10

- sign 1677.287+/-0.205 χ^2/NDF: 536777.7/52

asym_atl_dd_reg_correction_mean vs Slug



Right In: 340.367+/-837.951 χ^2/NDF: 28.2/24

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -21.765+/-317.557 χ^2/NDF: 38.5/29

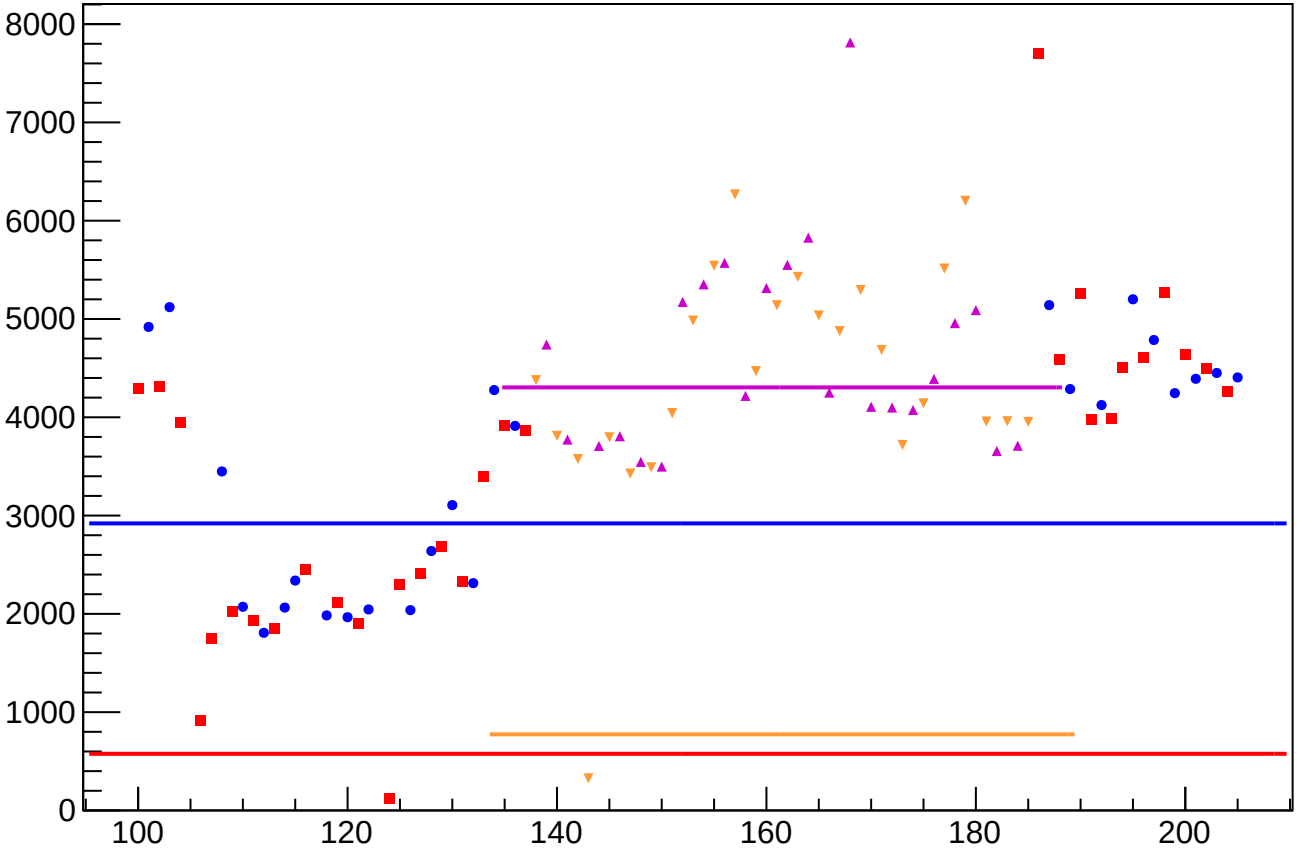
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 214.593+/-317.540 χ^2/NDF: 62.1/49

All: 93.323+/-219.344 χ^2/NDF: 114.2/102

- sign -17.347+/-303.346 χ^2/NDF: 51.8/52

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2920.397+/-0.593 χ^2/NDF: 3658107.2/24

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 576.453+/-0.225 χ^2/NDF: 23646390.4/29

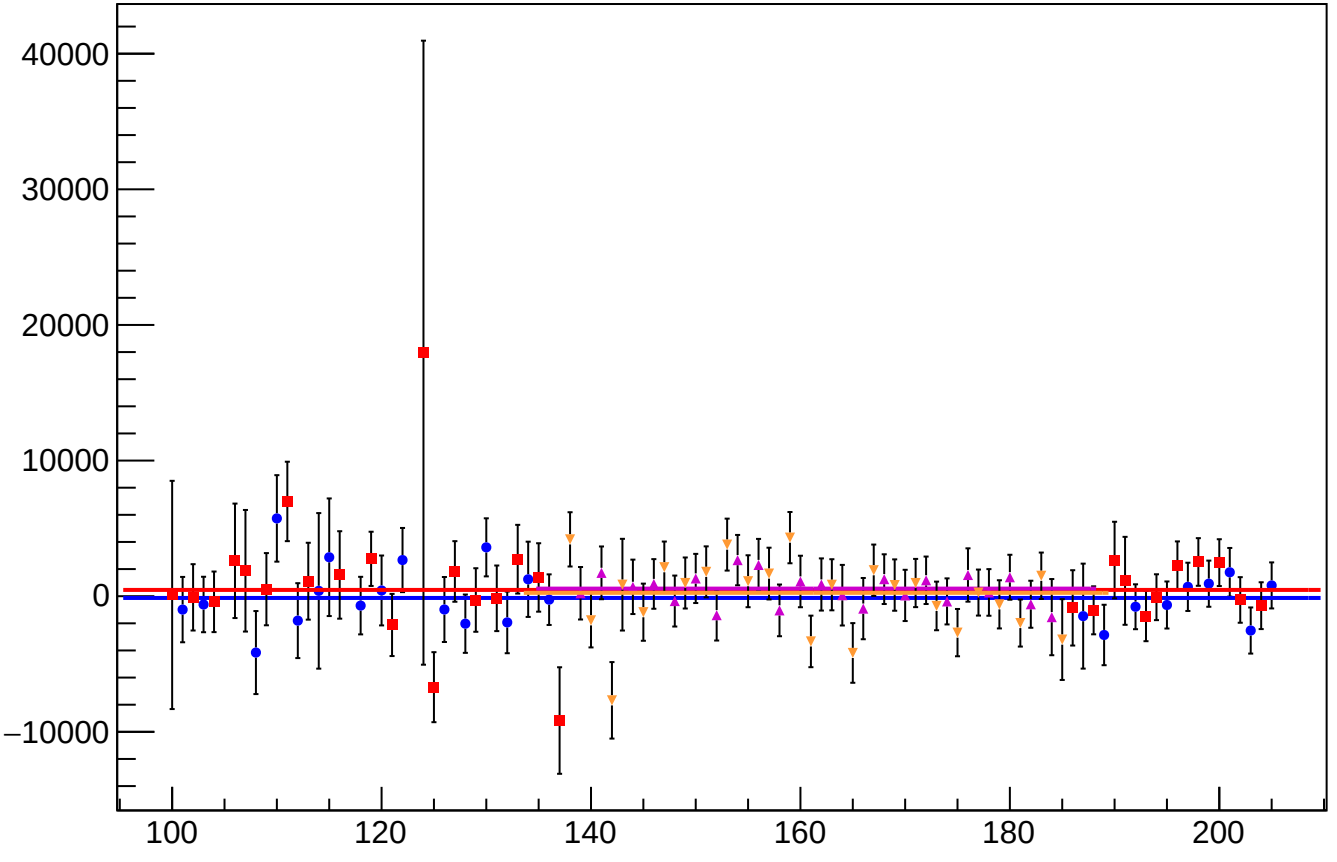
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1082.425+/-0.225 χ^2/NDF: 42979248.4/49

All: 988.416+/-0.155 χ^2/NDF: 92290647.0/10

- sign 902.624+/-0.214 χ^2/NDF: 48976128.5/52

cor_asym_atl_dd_mean vs Slug



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 463.093+/-427.858 χ^2/NDF: 31.2/29

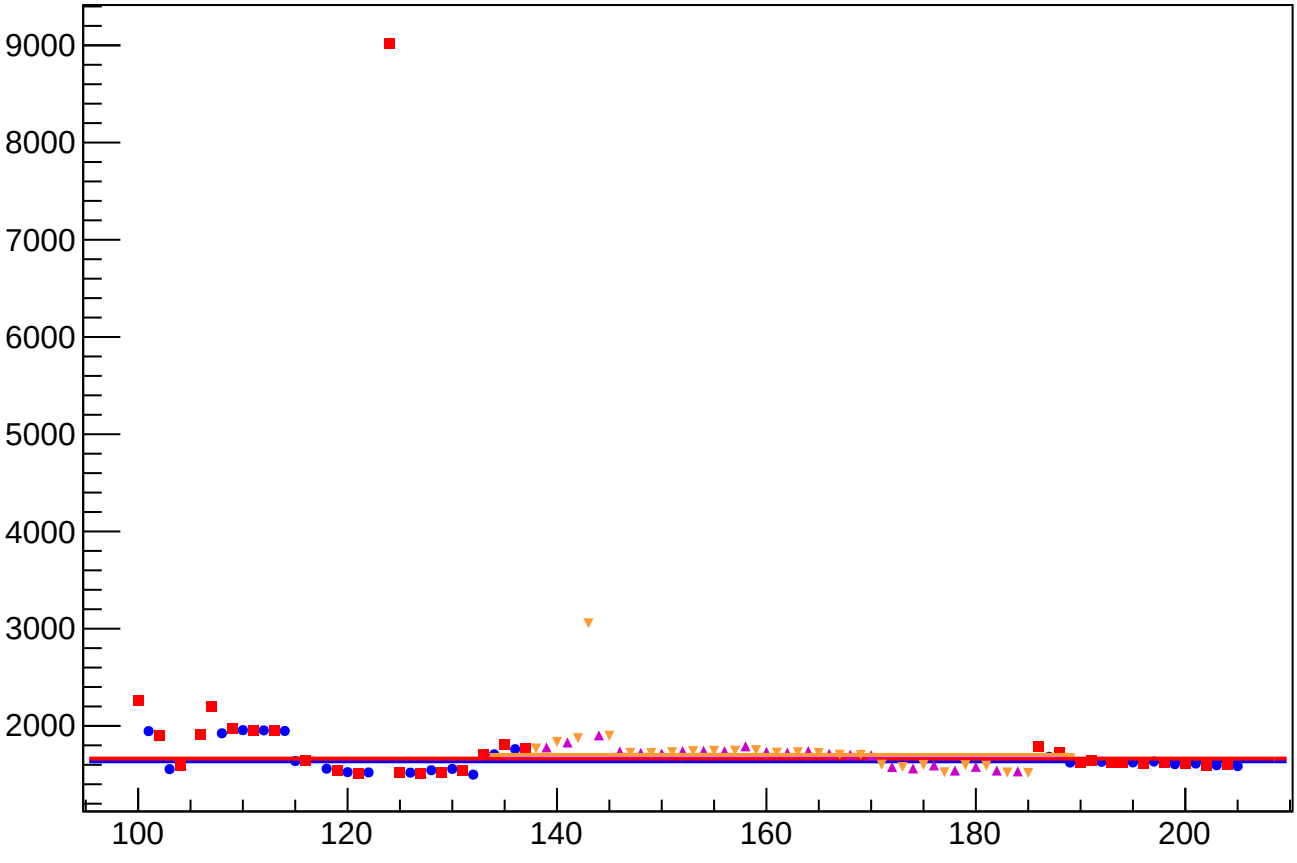
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 81.521+/-290.526 χ^2/NDF: 58.4/49

All: 298.636+/-205.343 χ^2/NDF: 98.2/102

- sign 515.375+/-290.274 χ^2/NDF: 38.8/52

cor_asym_atl_dd_rms vs Slug



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

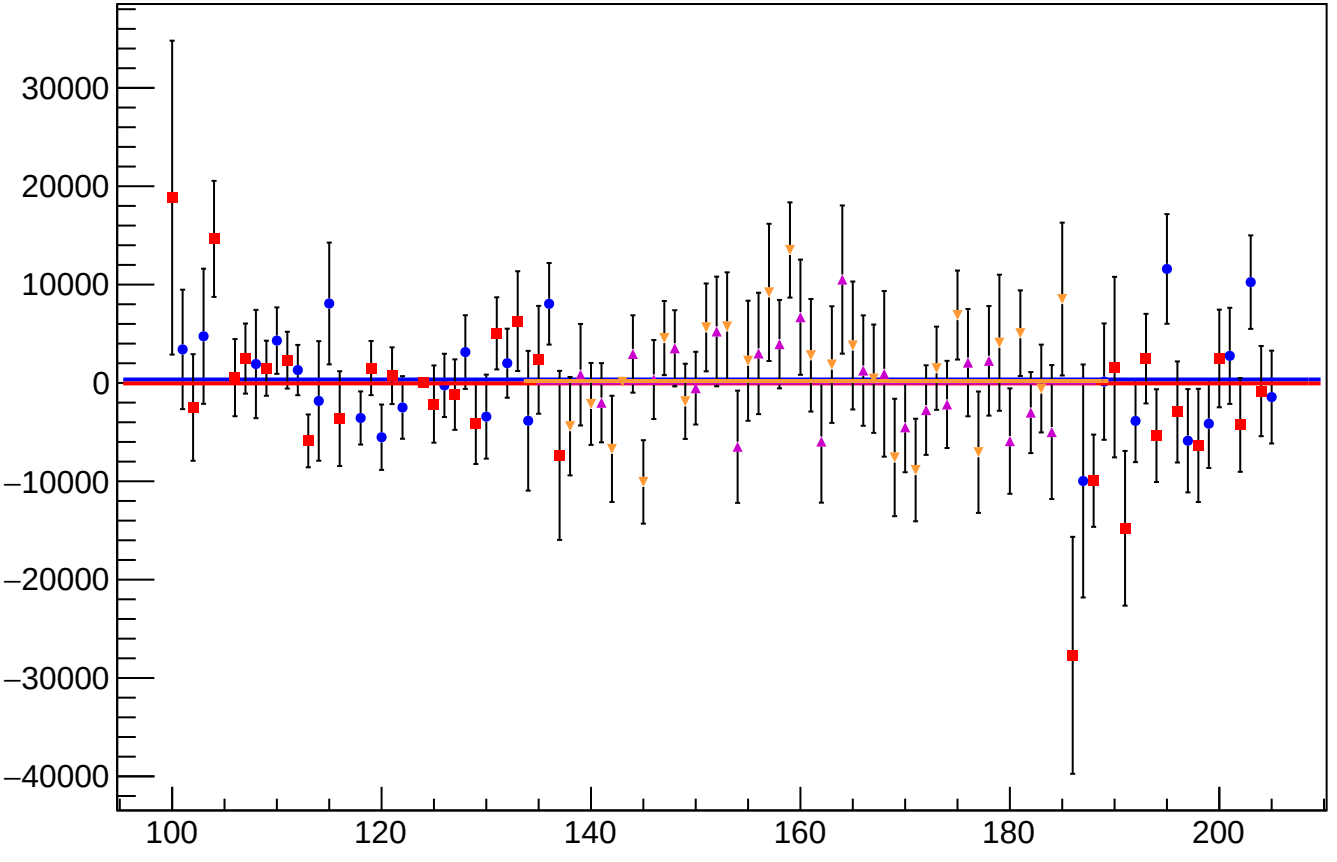
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1672.665+/-0.205 χ^2/NDF: 627950.7/49

All: 1675.062+/-0.145 χ^2/NDF: 1166905.8/10

- sign 1677.451+/-0.205 χ^2/NDF: 538683.2/52

asym_atl_dd_cor_correction_mean vs Slug



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -47.013+/-310.035 χ^2/NDF: 38.2/29

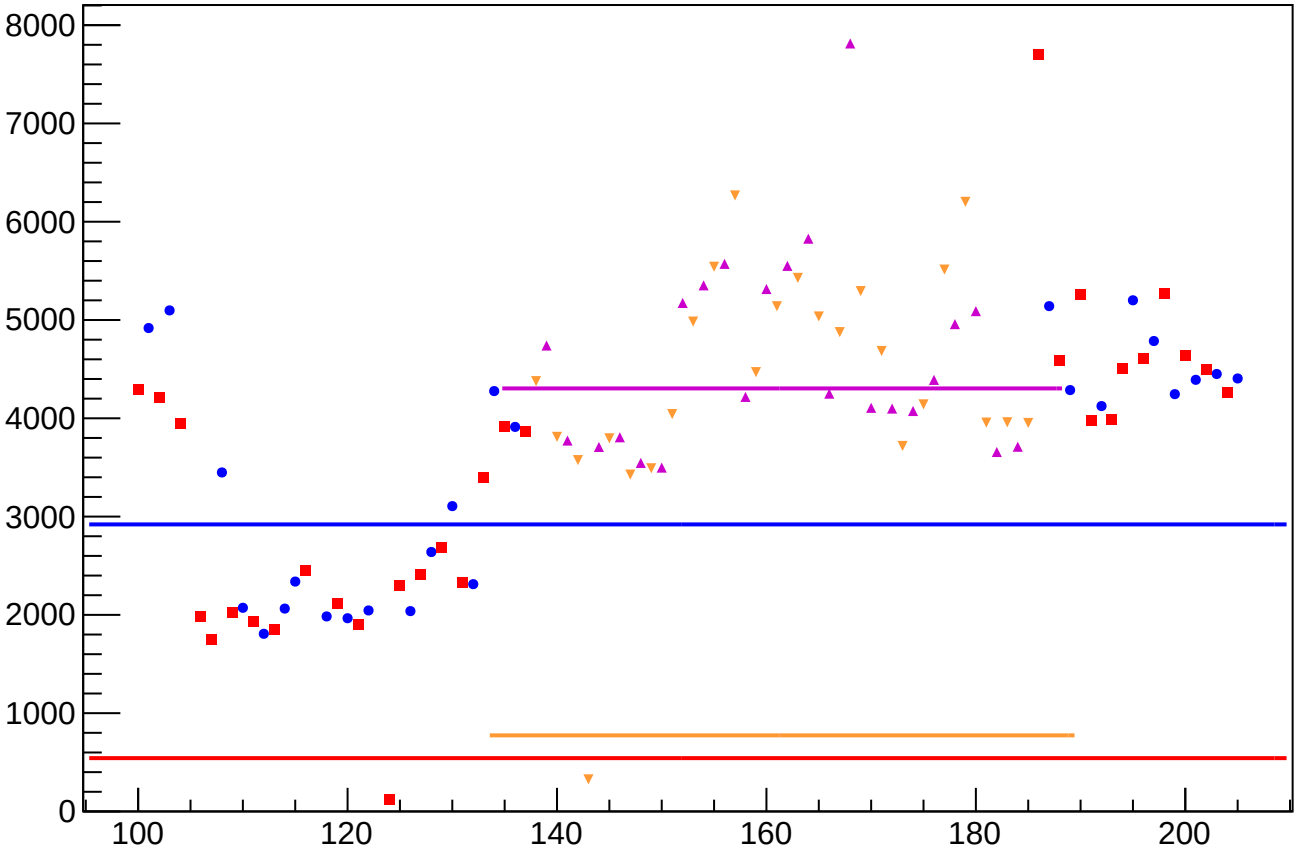
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 216.325+/-317.517 χ^2/NDF: 62.2/49

All: 79.159+/-216.811 χ^2/NDF: 114.1/102

- sign -40.666+/-296.769 χ^2/NDF: 51.5/52

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

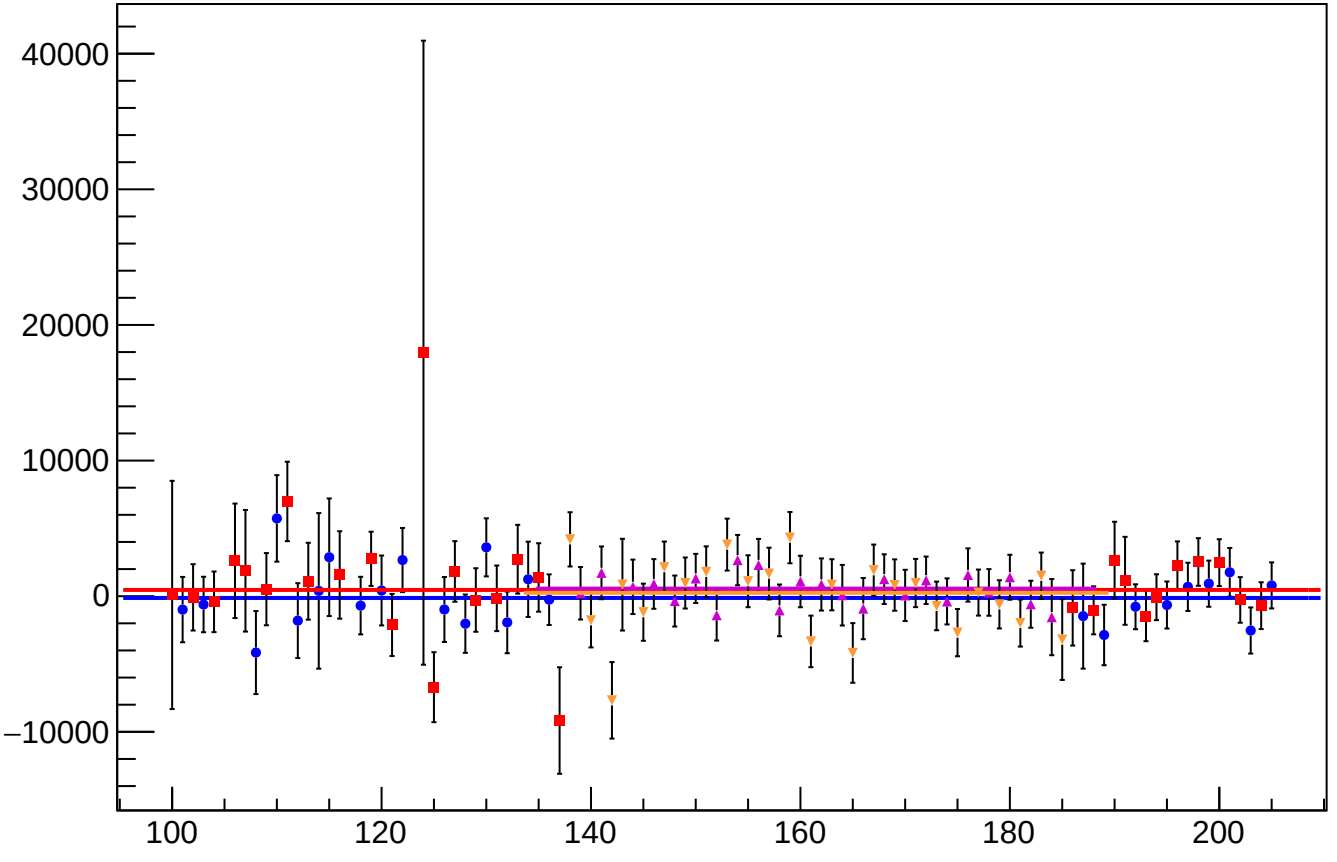
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1082.366+/-0.225 χ^2/NDF: 42981524.3/49

All: 962.363+/-0.153 χ^2/NDF: 93567253.9/10

- sign 857.531+/-0.210 χ^2/NDF: 50050484.6/52

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 463.093+/-427.858 χ^2/NDF: 31.2/29

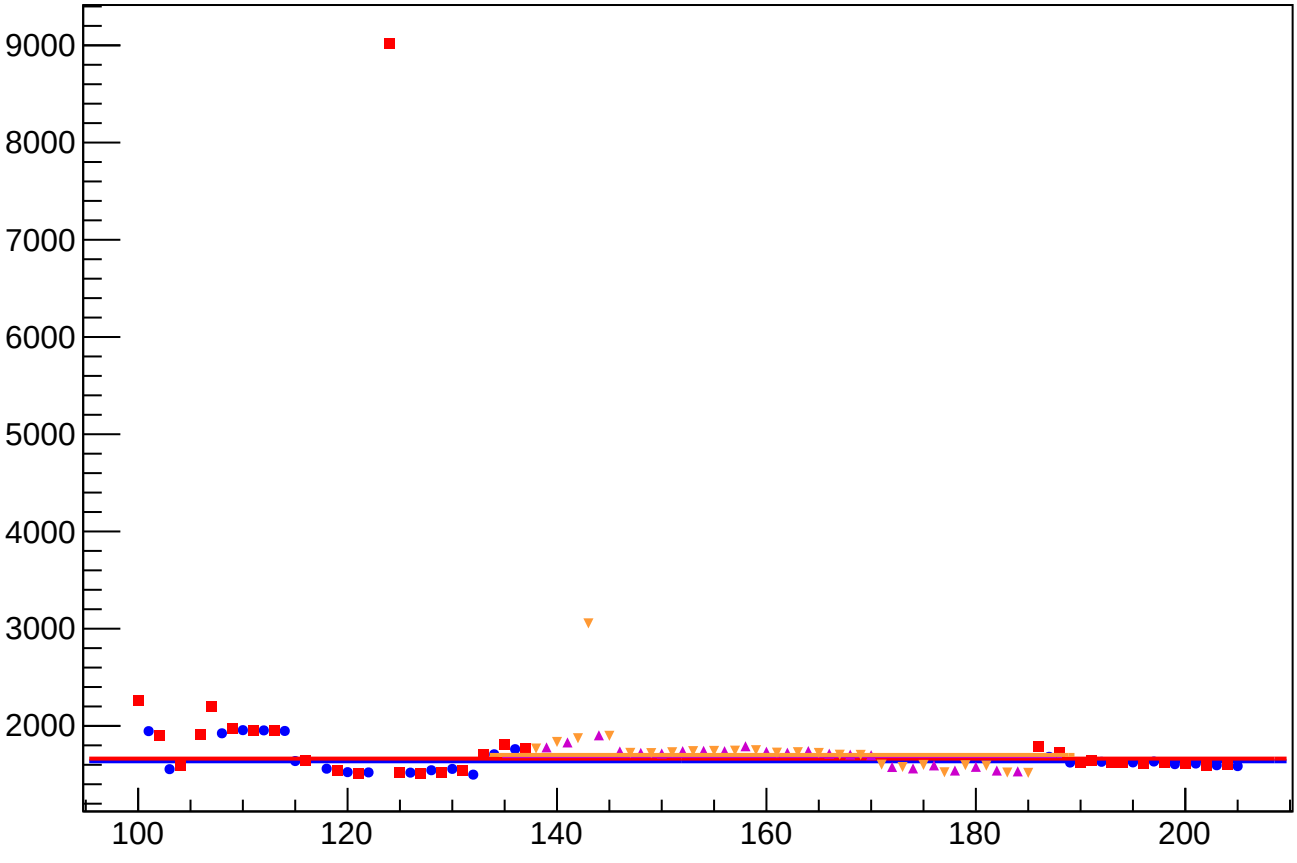
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 81.521+/-290.526 χ^2/NDF: 58.4/49

All: 298.636+/-205.343 χ^2/NDF: 98.2/102

- sign 515.375+/-290.274 χ^2/NDF: 38.8/52

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

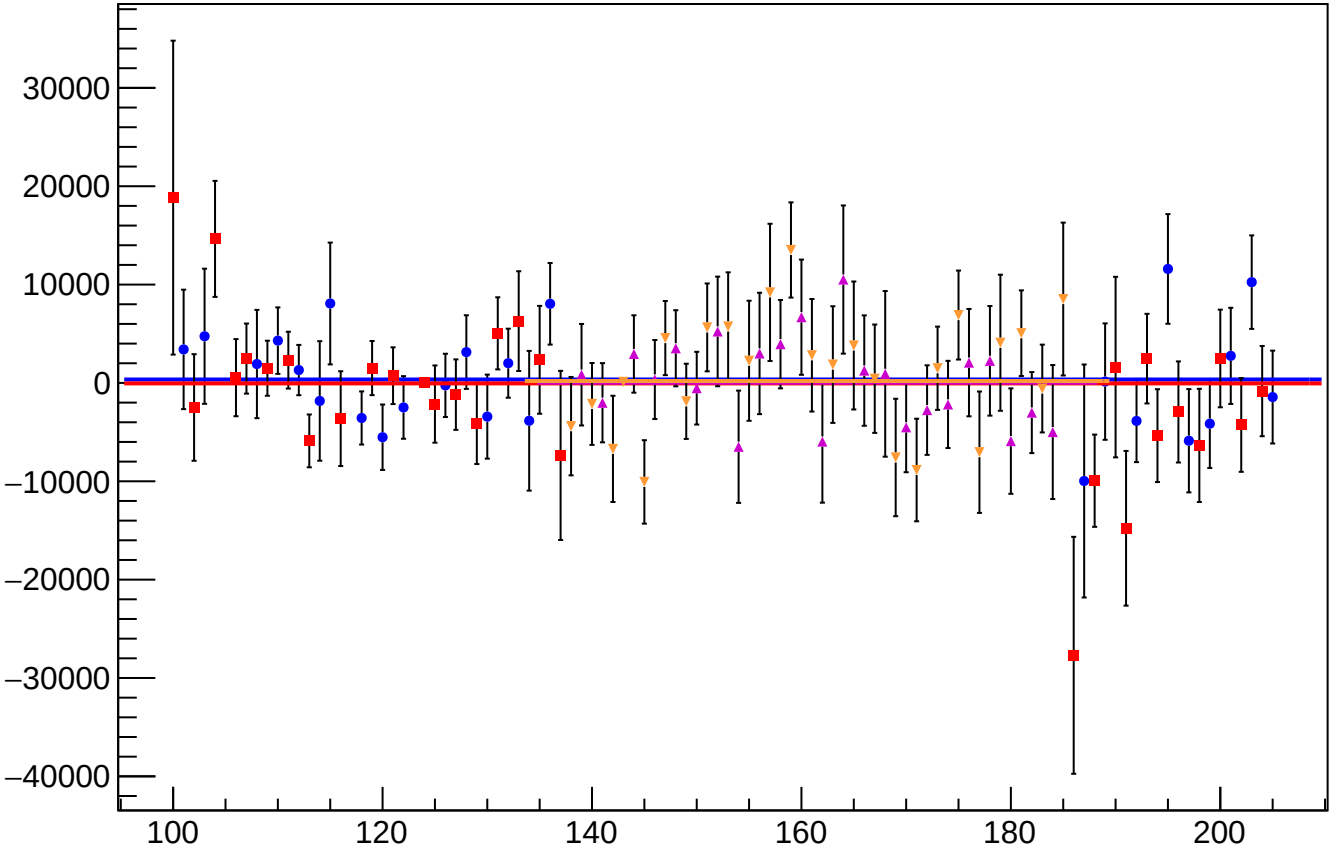
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1672.665+/-0.205 χ^2/NDF: 627950.7/49

All: 1675.062+/-0.145 χ^2/NDF: 1166905.8/10

- sign 1677.451+/-0.205 χ^2/NDF: 538683.2/52

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -47.013+/-310.035 χ^2/NDF: 38.2/29

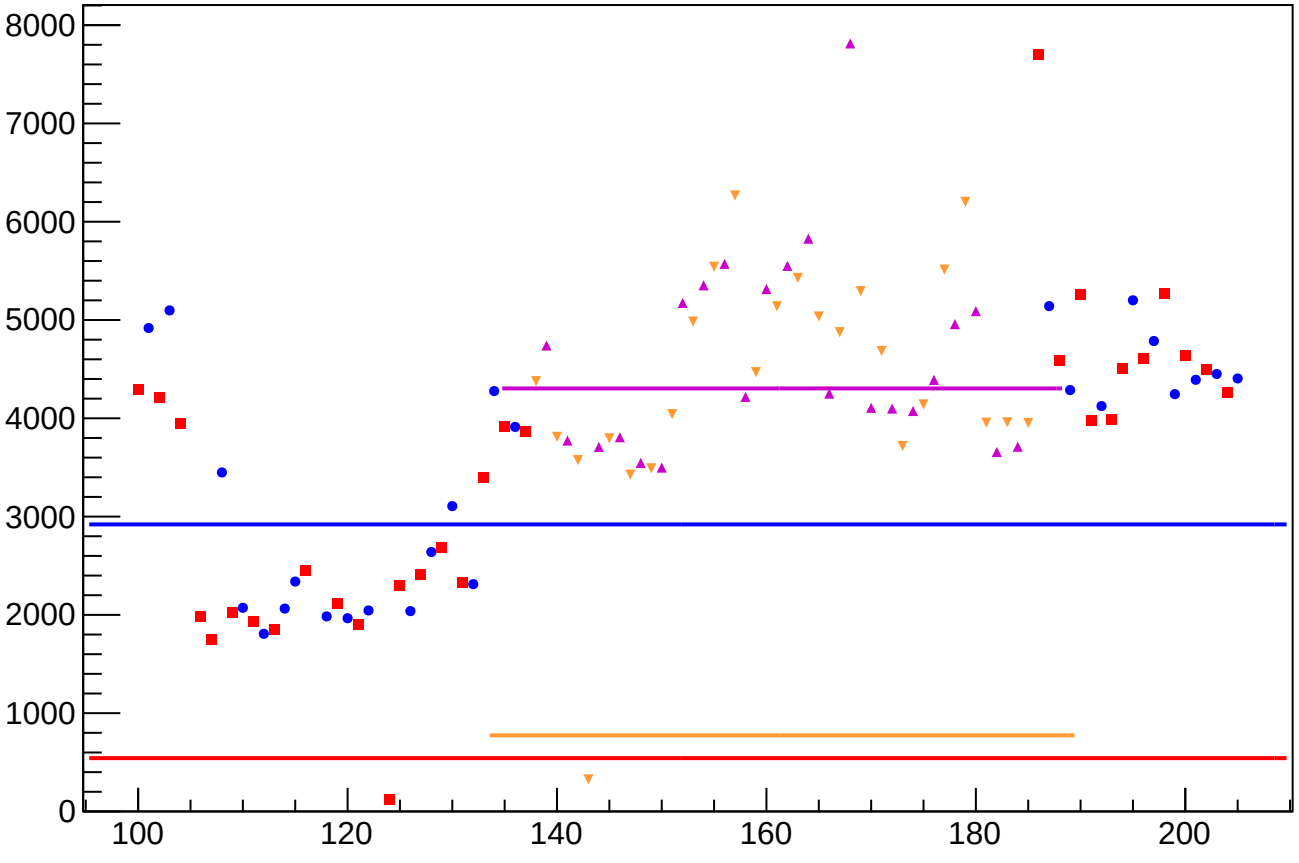
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 216.325+/-317.517 χ^2/NDF: 62.2/49

All: 79.159+/-216.811 χ^2/NDF: 114.1/102

- sign -40.666+/-296.769 χ^2/NDF: 51.5/52

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

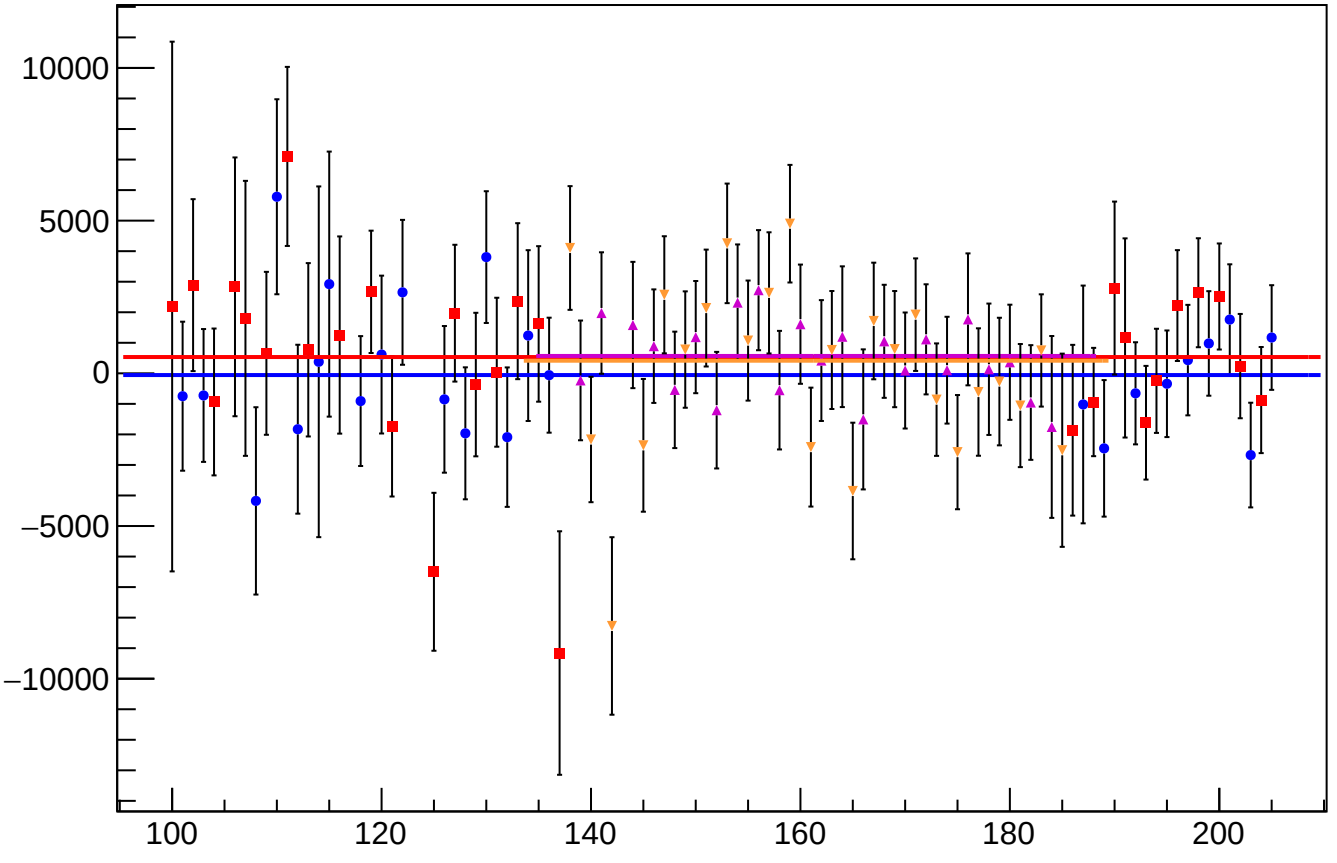
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1082.366+/-0.225 χ^2/NDF: 42981524.3/49

All: 962.363+/-0.153 χ^2/NDF: 93567253.9/10

- sign 857.531+/-0.210 χ^2/NDF: 50050484.6/52

dit_asym_atl_dd_mean vs Slug



Right In: -56.565+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 533.519+/-433.476 χ^2/NDF: 31.2/28

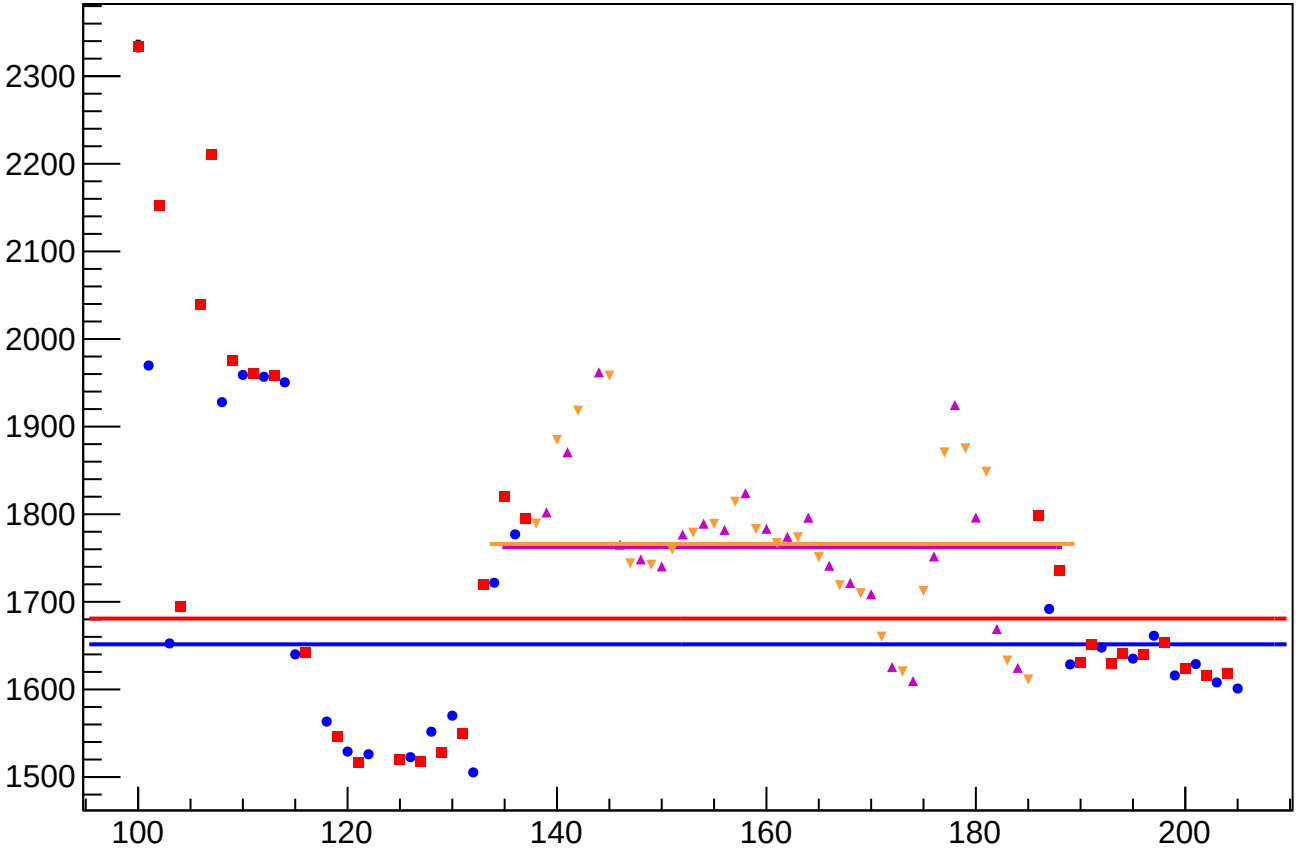
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 195.306+/-300.572 χ^2/NDF: 59.1/48

All: 374.829+/-211.854 χ^2/NDF: 98.7/100

- sign 552.065+/-298.651 χ^2/NDF: 38.9/51

dit_asym_atl_dd_rms vs Slug



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252290.9/28

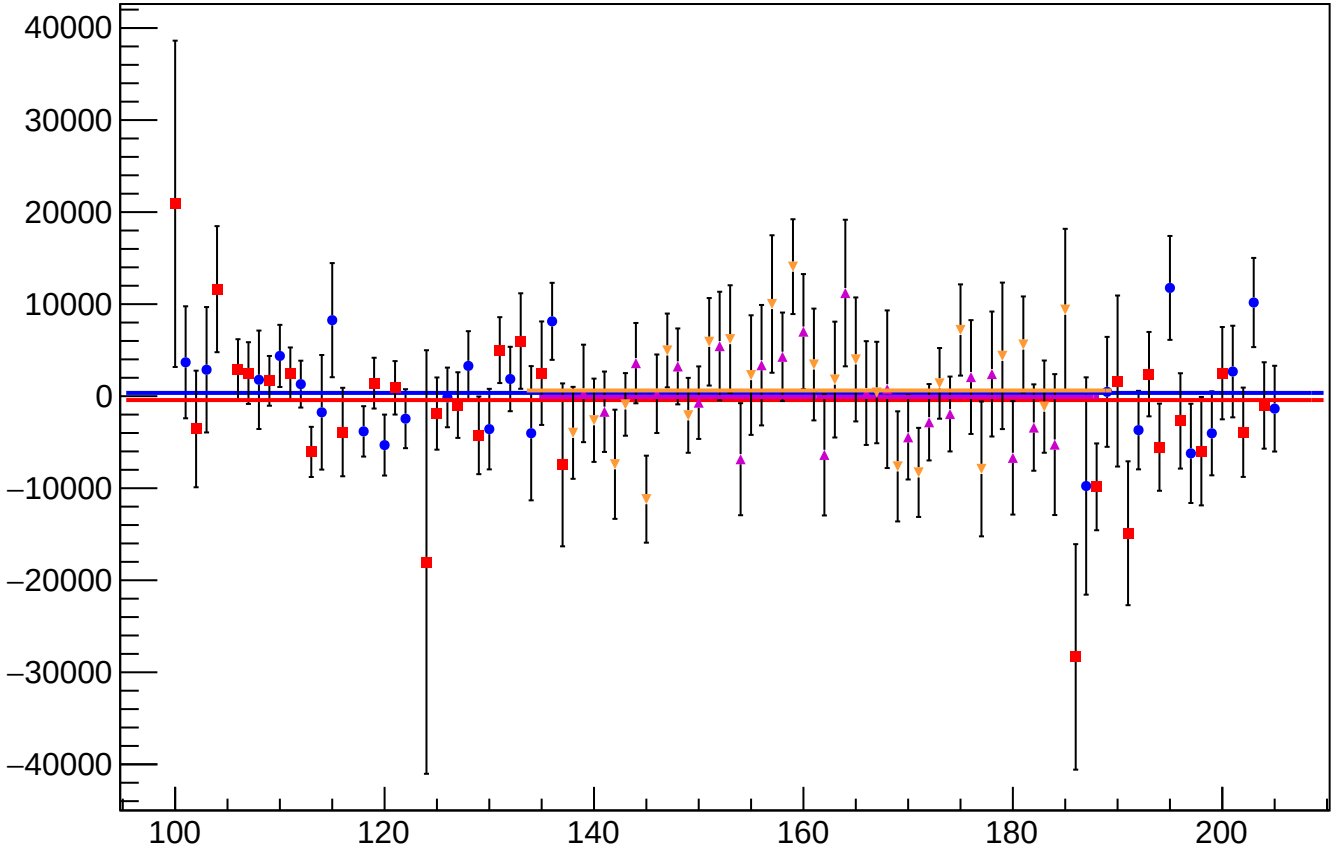
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1712.946+/-0.213 χ^2/NDF: 303810.4/48

All: 1718.349+/-0.150 χ^2/NDF: 674655.6/100

- sign 1723.677+/-0.211 χ^2/NDF: 369562.0/51

asym_atl_dd_dit_correction_mean vs Slug



Right In: 355.536+/-842.895 χ^2/NDF: 27.9/24

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -422.417+/-779.623 χ^2/NDF: 36.1/29

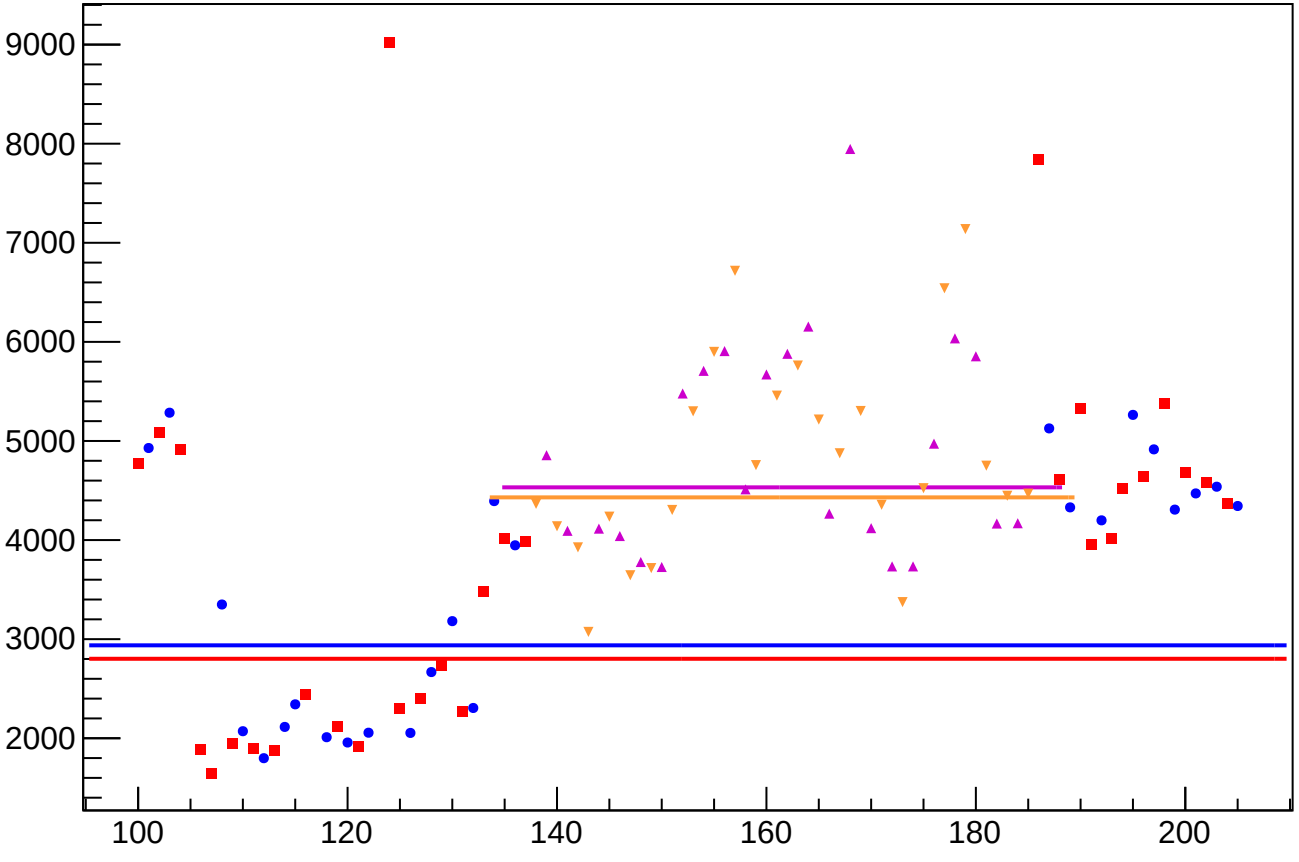
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 460.899+/-653.491 χ^2/NDF: 60.9/49

All: 64.317+/-454.533 χ^2/NDF: 110.7/102

- sign -307.351+/-632.631 χ^2/NDF: 49.1/52

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2937.711+/-0.596 χ^2/NDF: 3762615.2/24

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2801.992+/-0.551 χ^2/NDF: 4866572.0/29

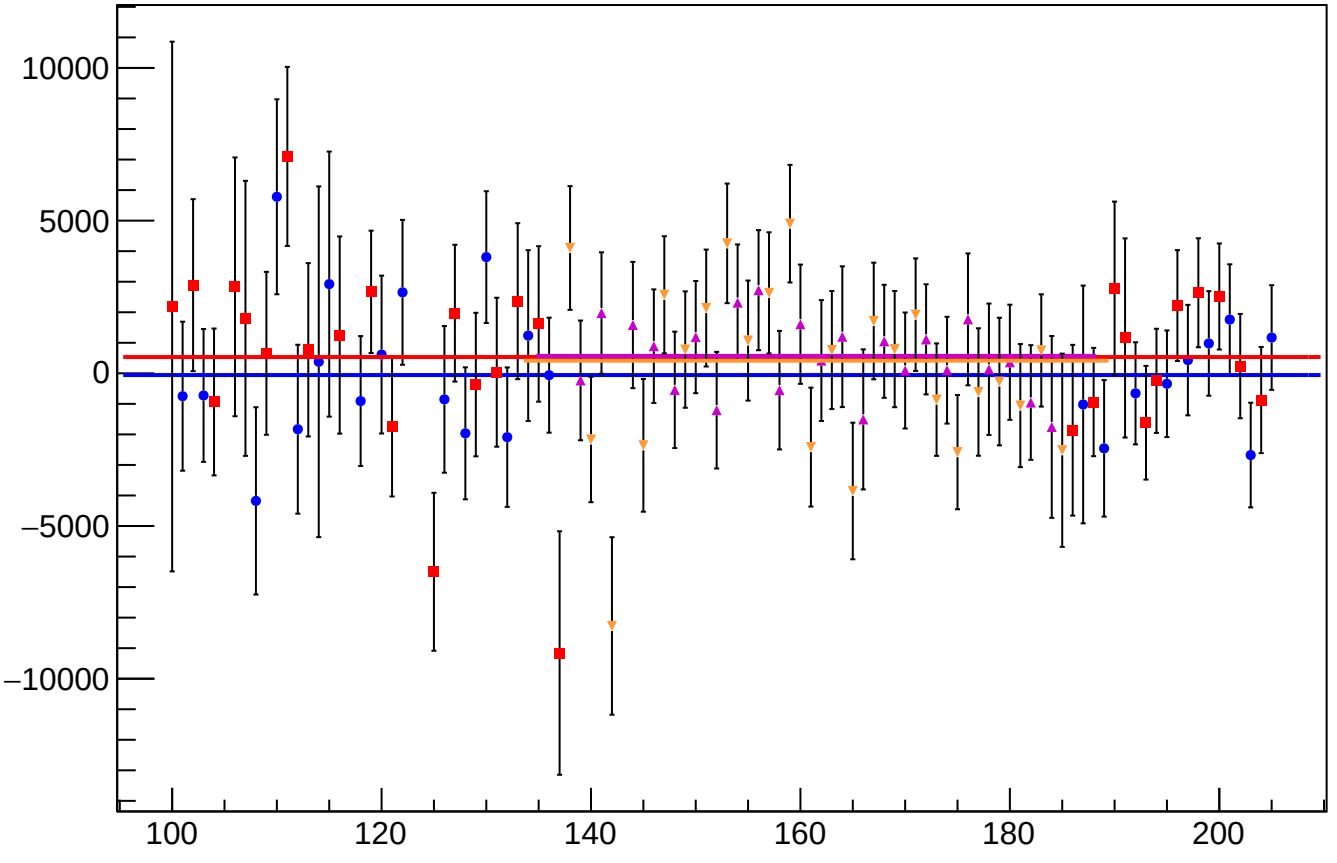
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3533.333+/-0.462 χ^2/NDF: 7879331.0/49

All: 3460.806+/-0.321 χ^2/NDF: 17533405.8/1

- sign 3392.836+/-0.447 χ^2/NDF: 9606352.9/52

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -56.563+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 533.520+/-433.476 χ^2/NDF: 31.2/28

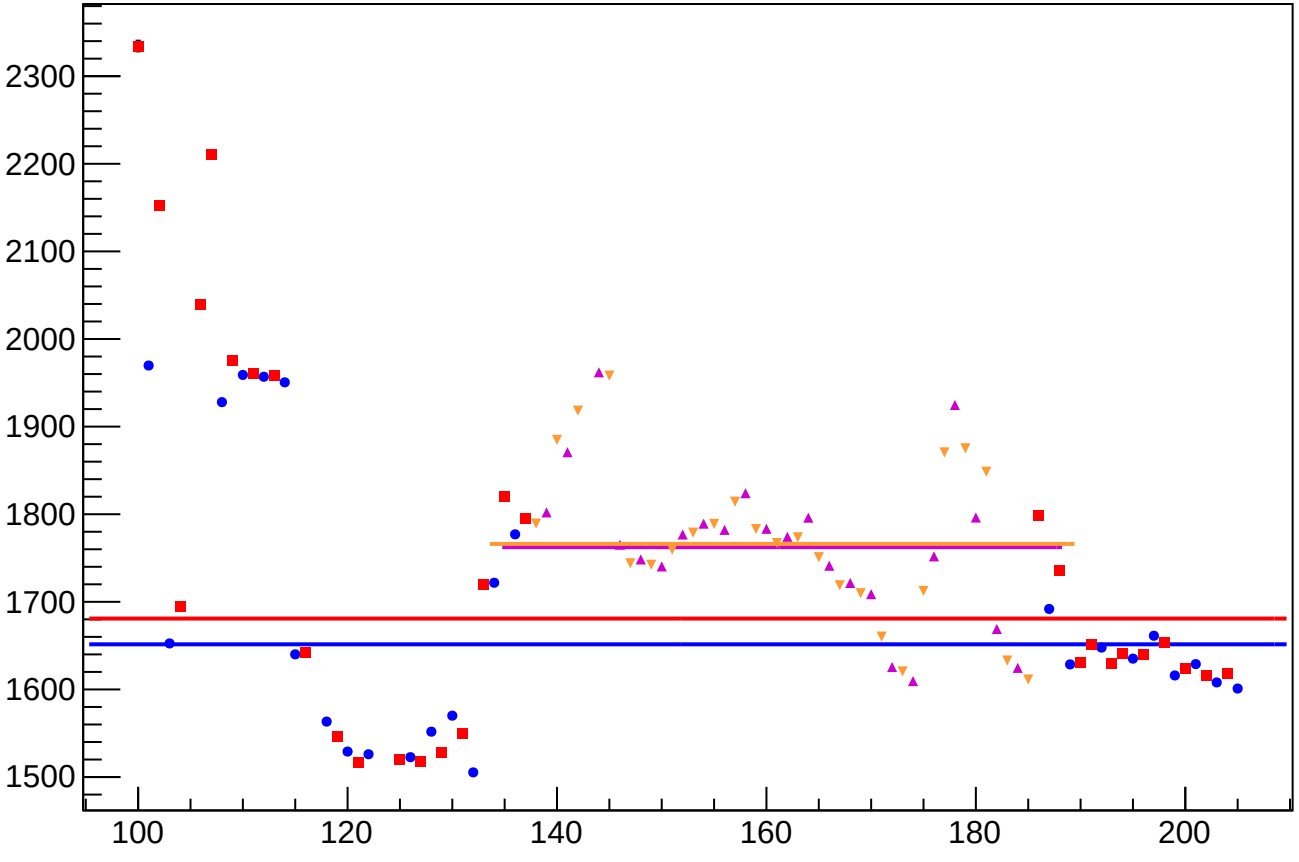
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 195.307+/-300.572 χ^2/NDF: 59.1/48

All: 374.830+/-211.854 χ^2/NDF: 98.7/100

- sign 552.065+/-298.652 χ^2/NDF: 38.9/51

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252289.9/28

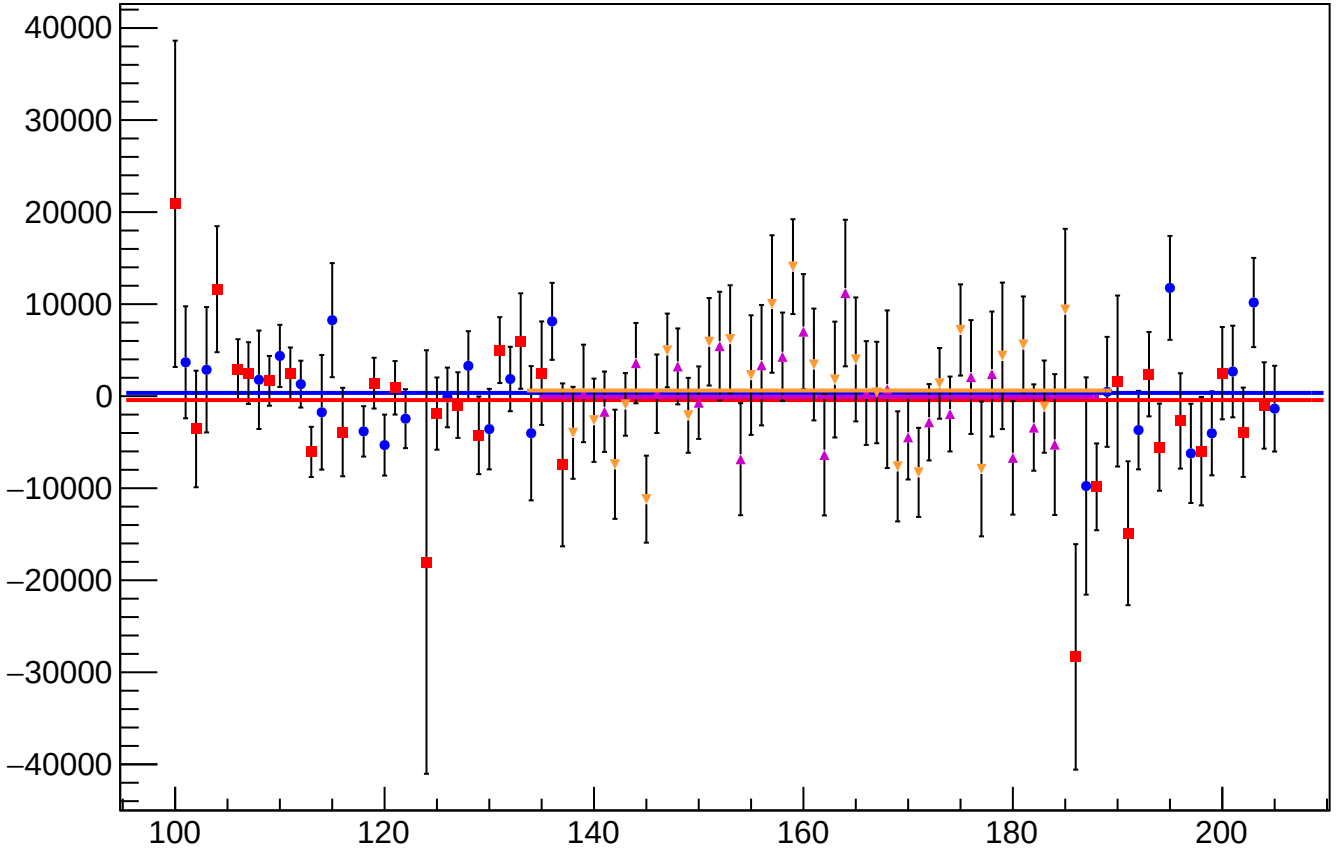
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1712.947+/-0.213 χ^2/NDF: 303814.6/48

All: 1718.349+/-0.150 χ^2/NDF: 674662.3/100

- sign 1723.677+/-0.211 χ^2/NDF: 369564.5/51

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 355.529+/-842.893 χ^2/NDF: 27.9/24

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -422.411+/-779.622 χ^2/NDF: 36.1/29

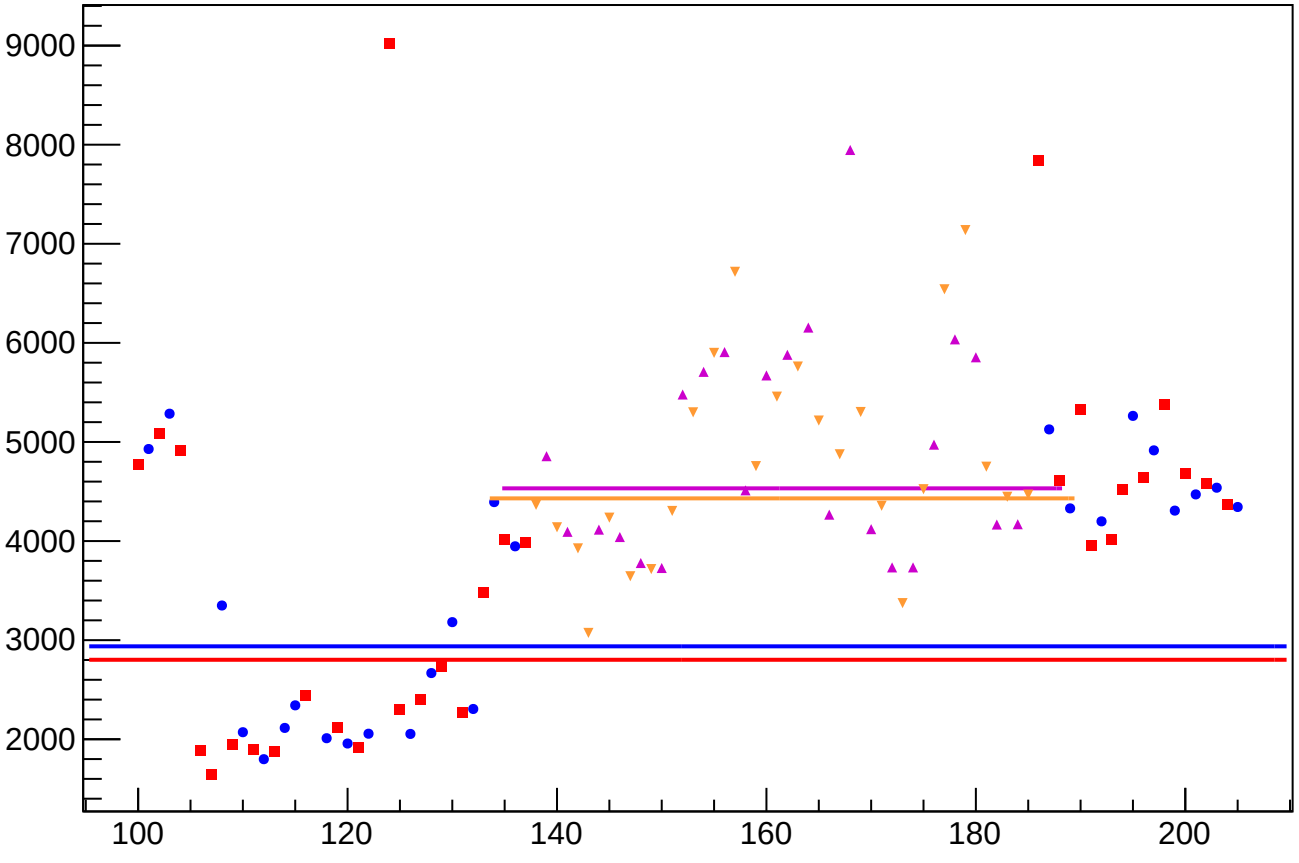
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 460.897+/-653.490 χ^2/NDF: 60.9/49

All: 64.317+/-454.533 χ^2/NDF: 110.7/102

- sign -307.348+/-632.630 χ^2/NDF: 49.1/52

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2937.701+/-0.596 χ^2/NDF: 3762667.0/24

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

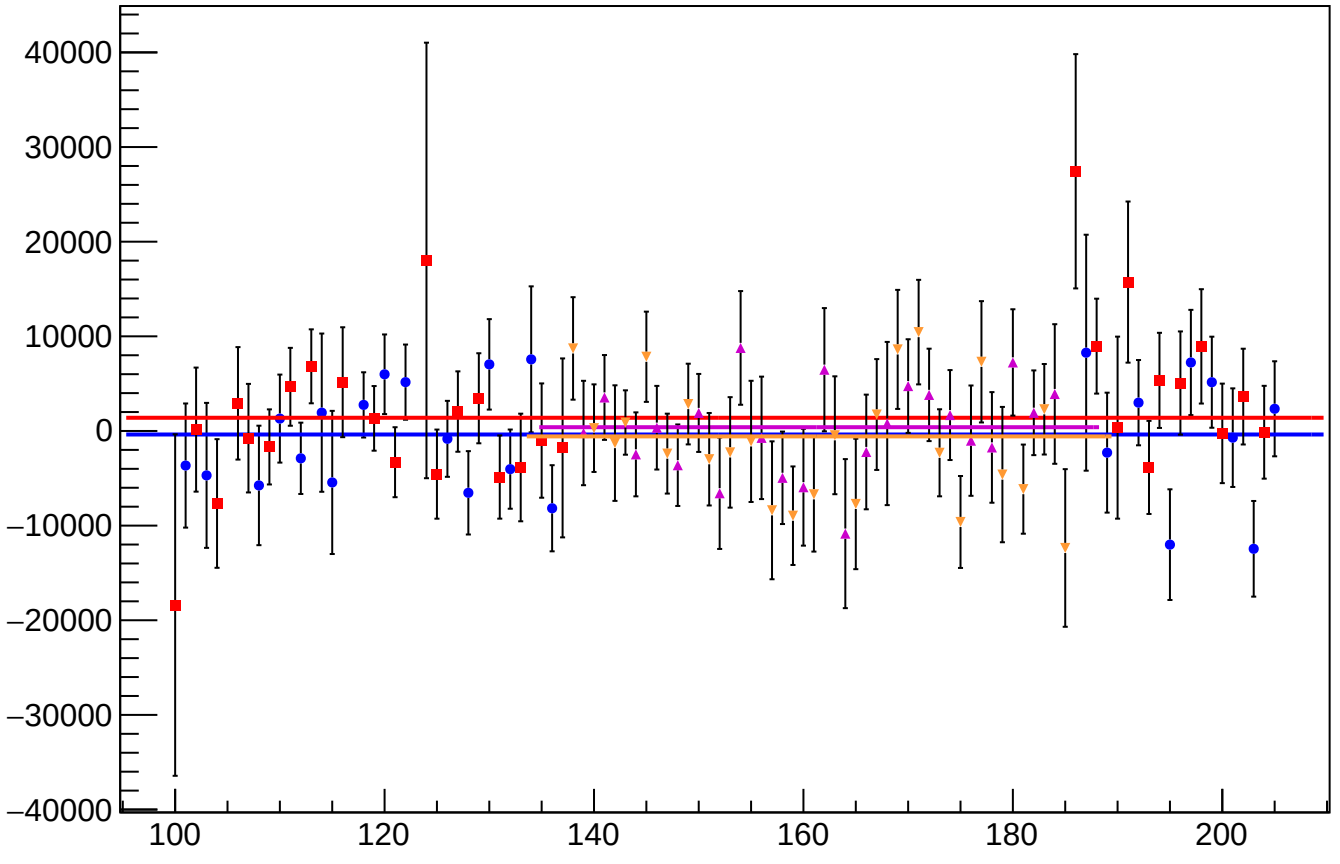
Right Out: 2801.983+/-0.551 χ^2/NDF: 4866616.8/29

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3533.326+/-0.462 χ^2/NDF: 7879444.0/49

All: 3460.800+/-0.321 χ^2/NDF: 17533626.4/1

- sign 3392.829+/-0.447 χ^2/NDF: 9606460.4/52



Right In: -372.650+/-1000.710 χ^2/NDF: 30.9/24

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1395.470+/-961.852 χ^2/NDF: 27.6/29

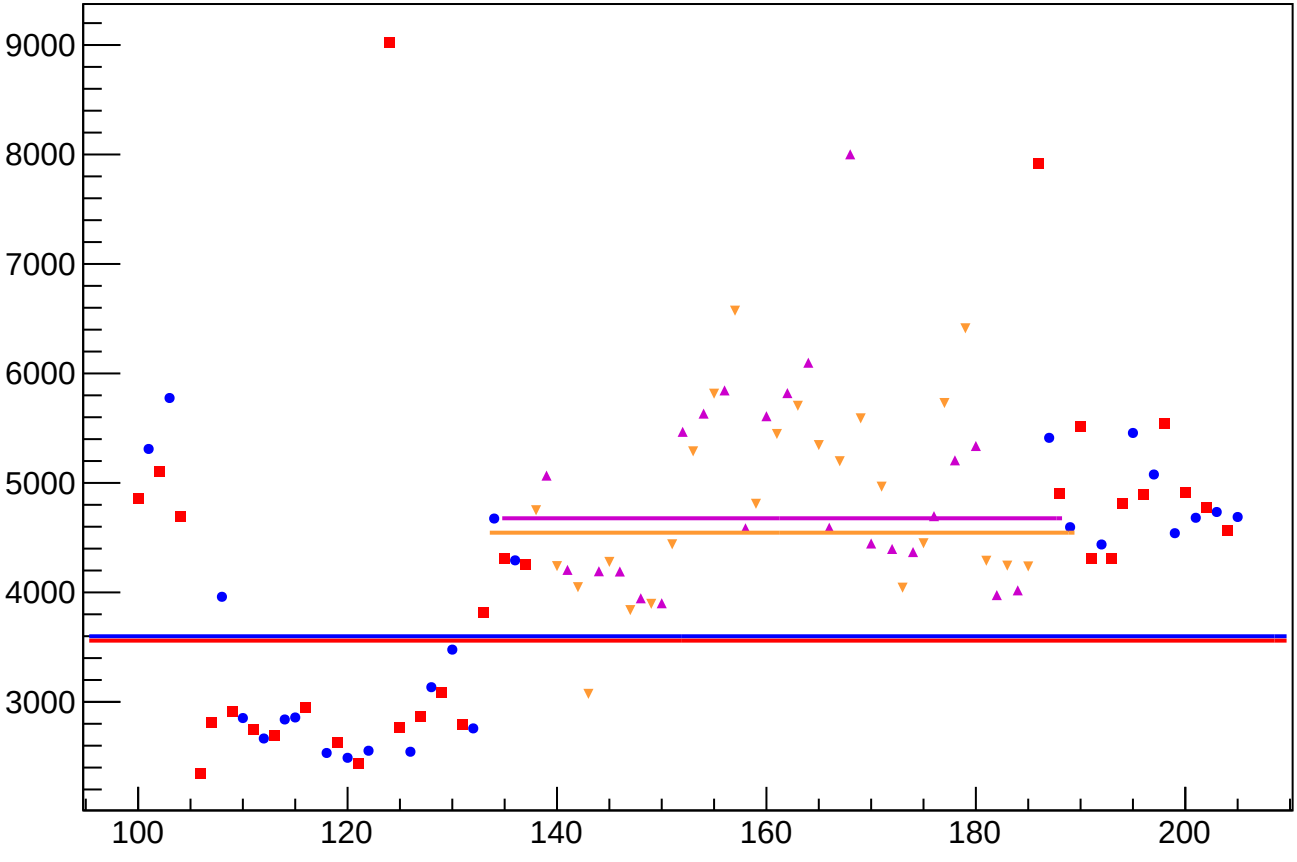
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

\+ sign -467.611+/-725.990 χ^2/NDF: 59.7/49

All: 249.250+/-513.626 χ^2/NDF: 103.7/102

\- sign 967.645+/-726.766 χ^2/NDF: 42.1/52

asym_atl_dd_rms vs Slug



Right In: 3599.224+/-0.708 χ^2/NDF: 2173296.3/24

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

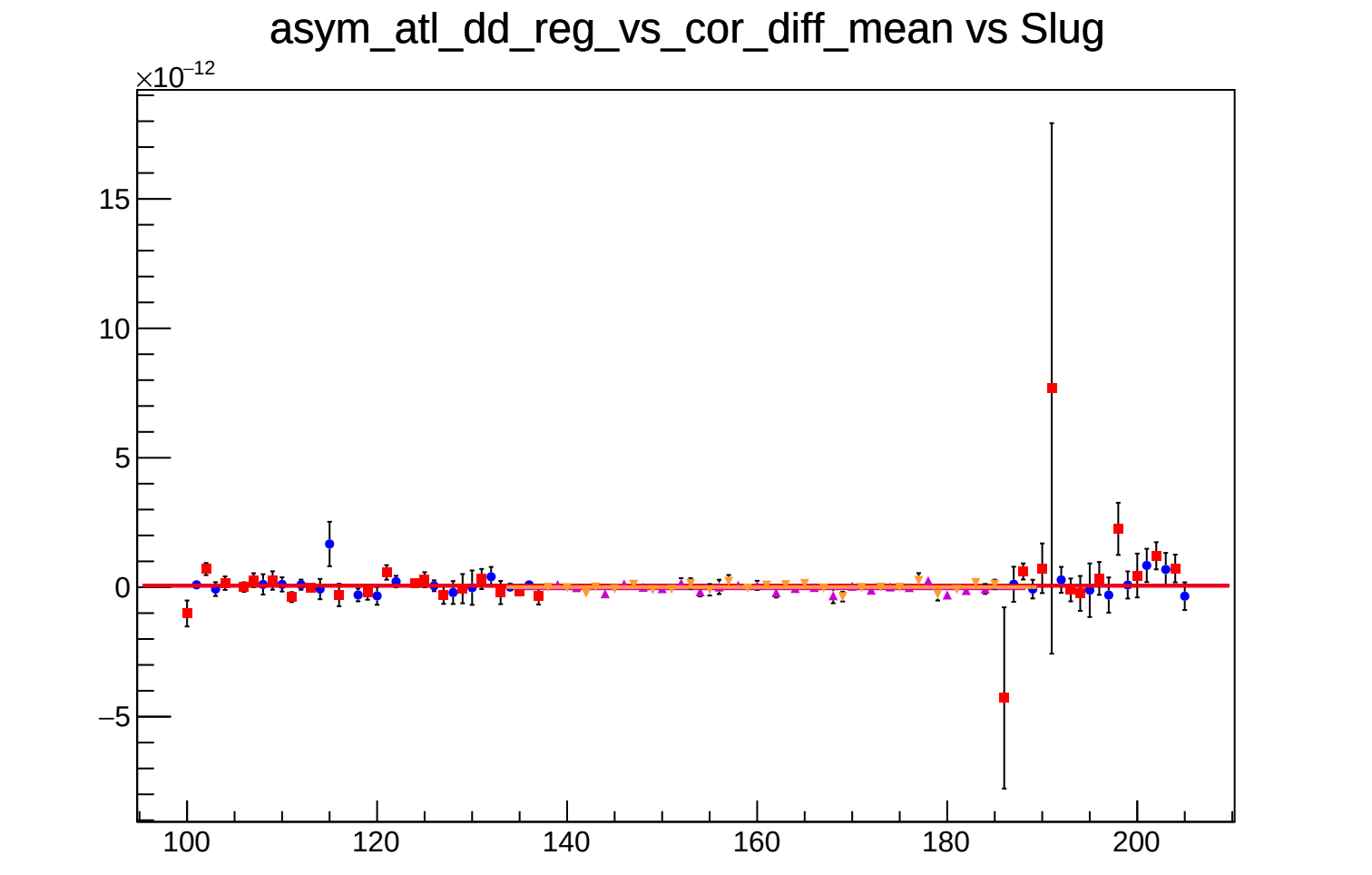
Right Out: 3559.557+/-0.674 χ^2/NDF: 2617158.6/29

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

\+ sign 4047.458+/-0.513 χ^2/NDF: 4278923.4/49

All: 4040.634+/-0.362 χ^2/NDF: 9024097.6/10

\- sign 4033.869+/-0.511 χ^2/NDF: 4744822.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 13.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

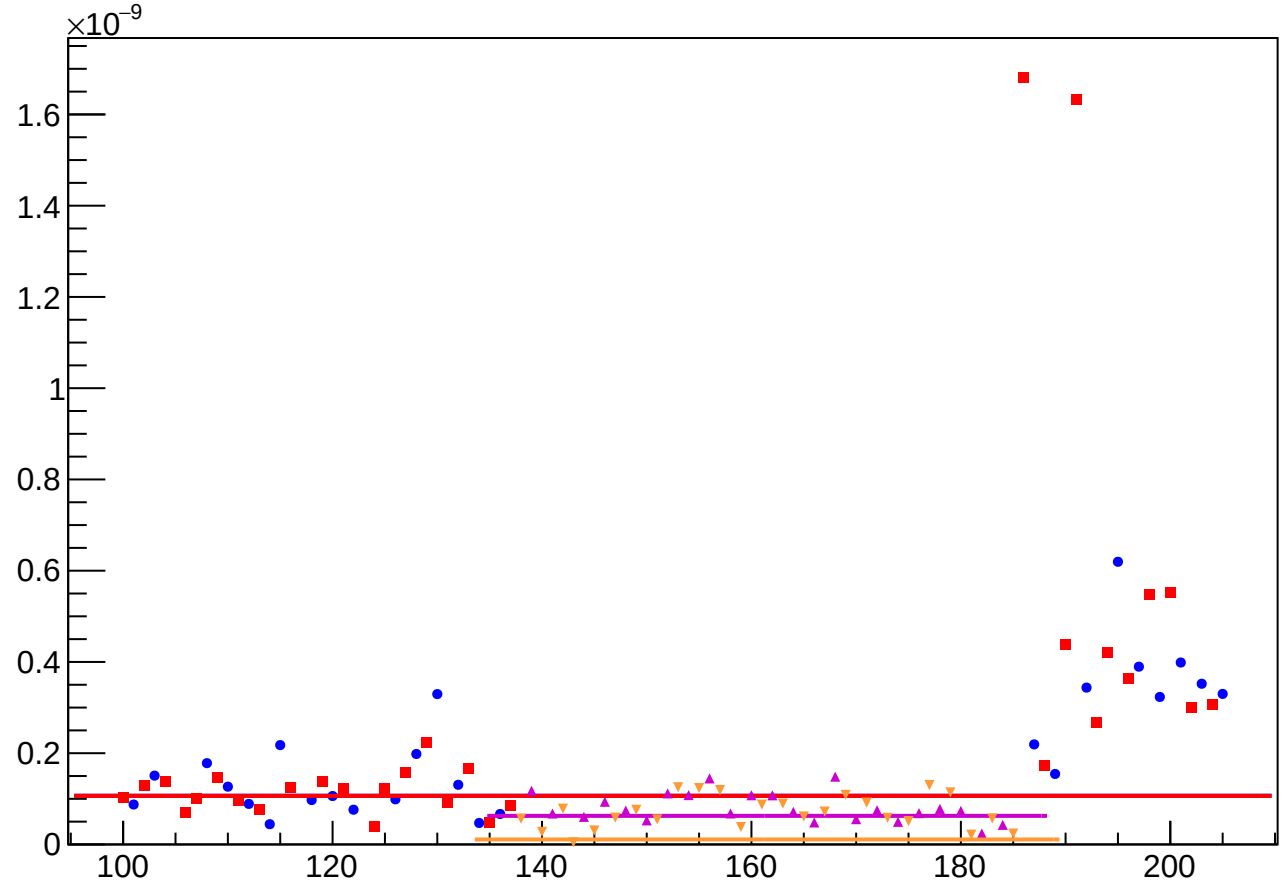
Right Out: 0.000+/-0.000 χ^2/NDF: 48.3/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/49

All: 0.000+/-0.000 χ^2/NDF: 105.5/102

- sign -0.000+/-0.000 χ^2/NDF: 71.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 3911653.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

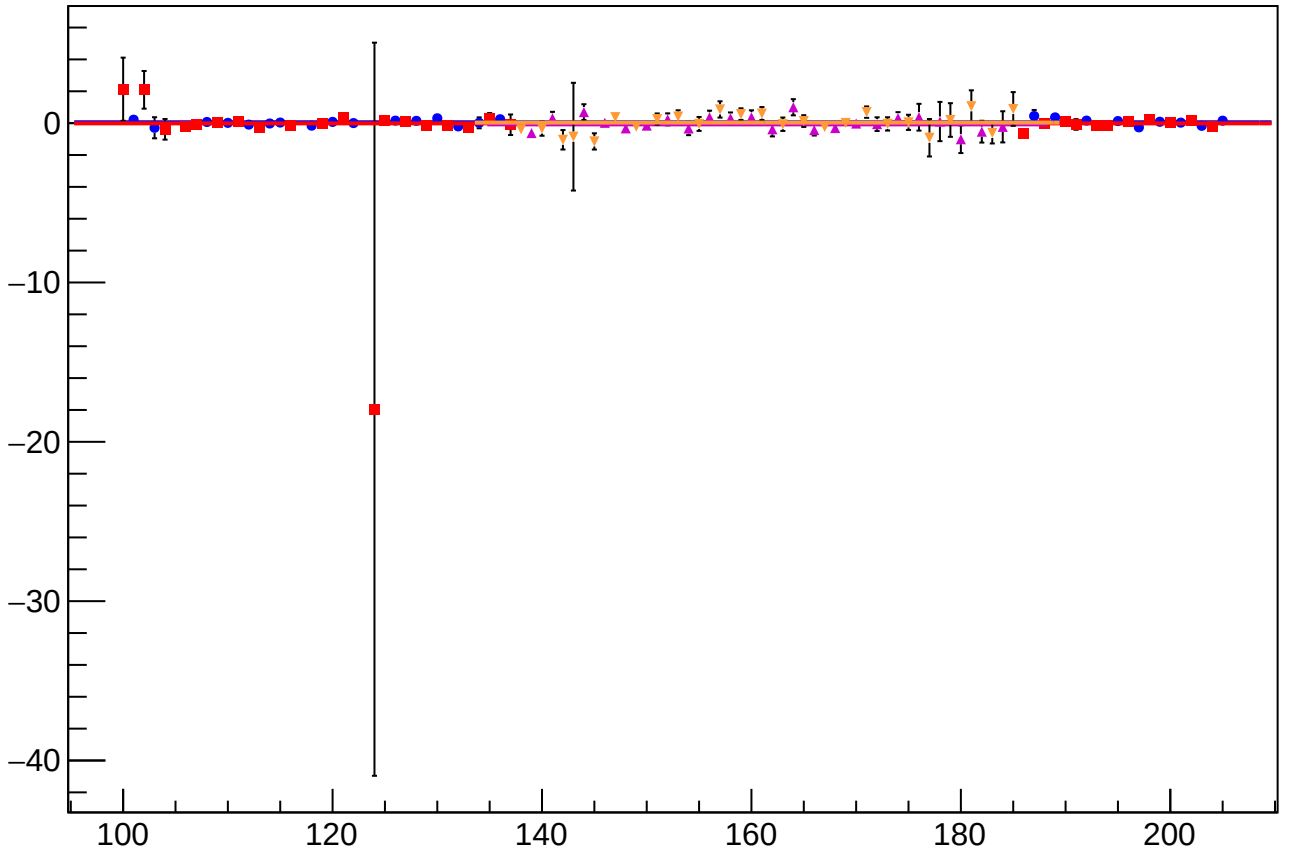
Right Out: 0.000+/-0.000 χ^2/NDF: 4525286.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19777917.6/49

All: 0.000+/-0.000 χ^2/NDF: 38412764.6/102

- sign 0.000+/-0.000 χ^2/NDF: 7707084.0/52



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

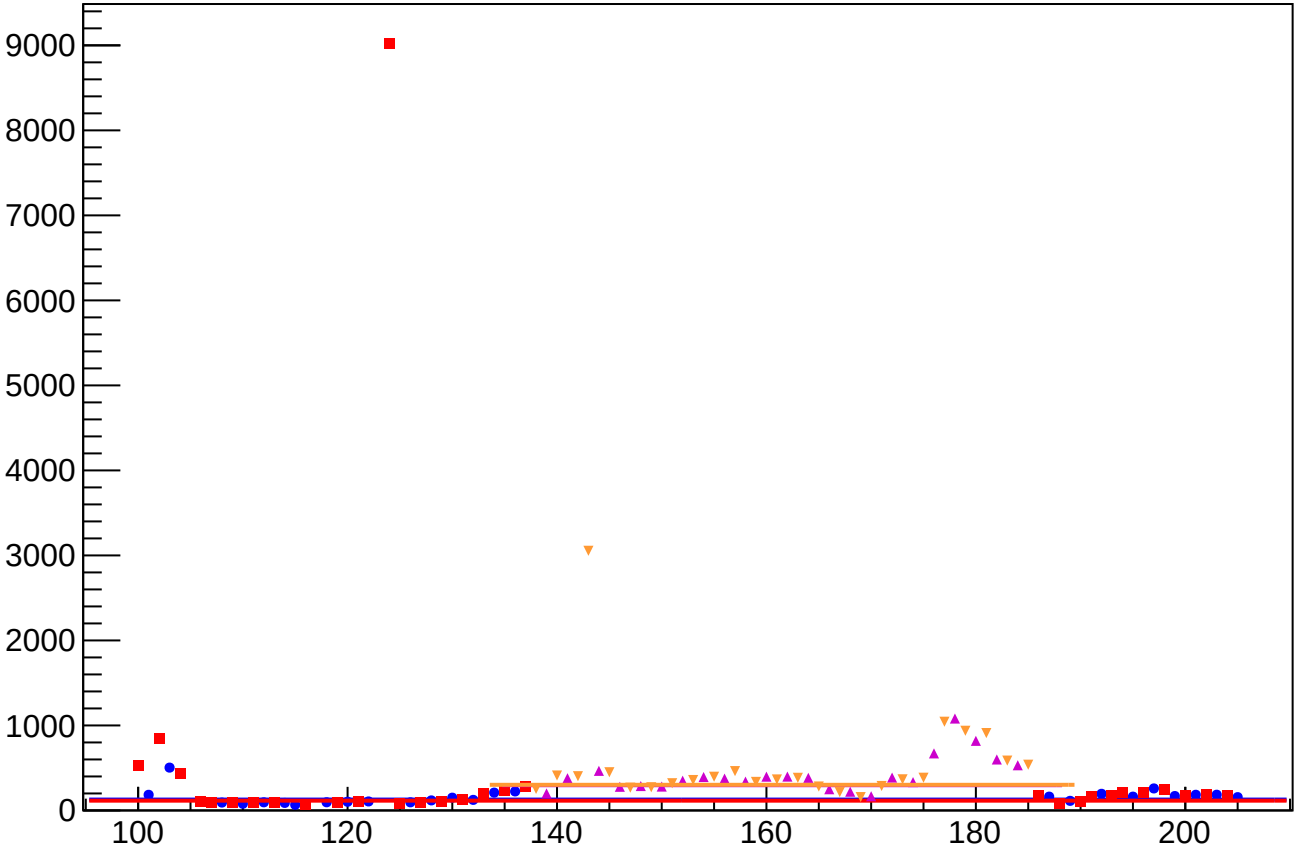
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.010+/-0.023 χ^2/NDF: 106.6/102

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

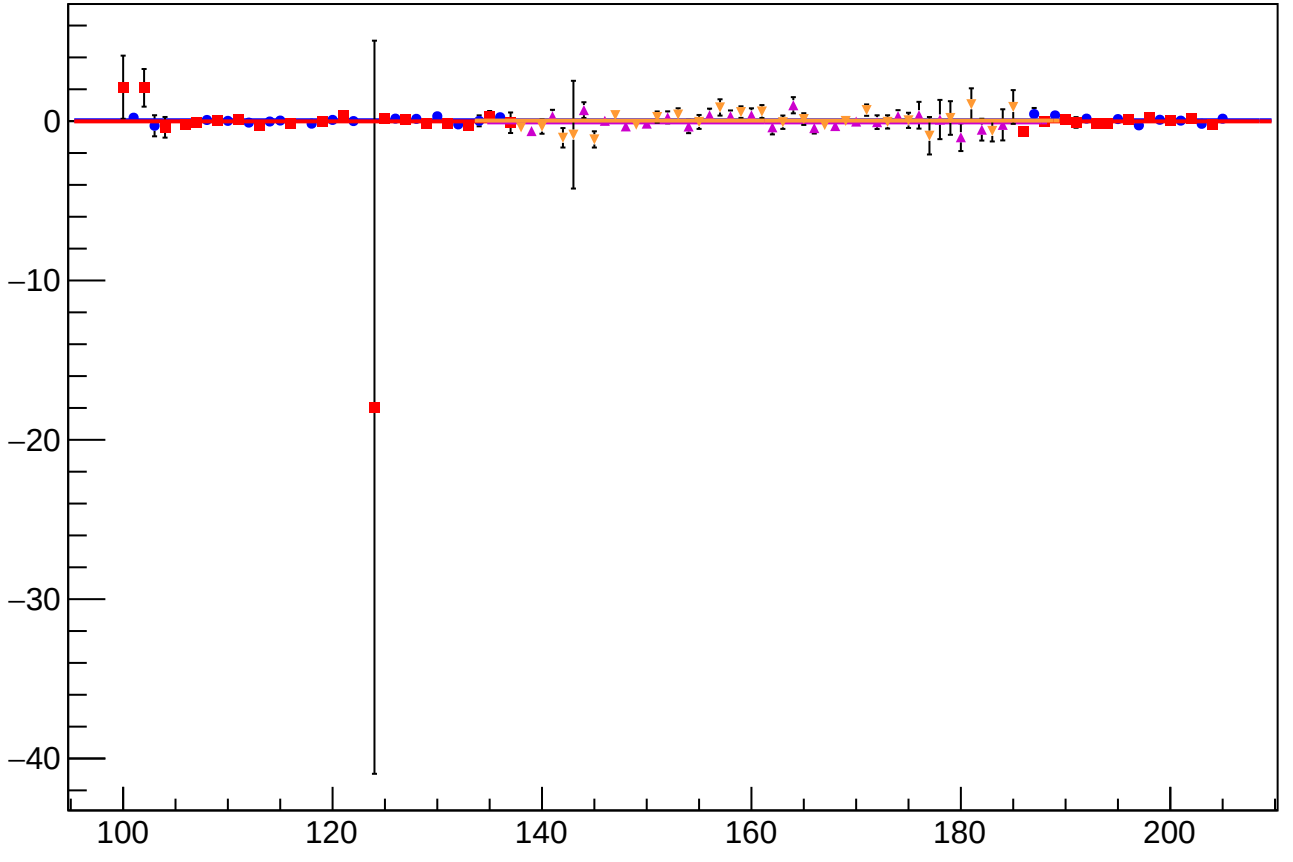
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373566.6/49

All: 152.563+/-0.016 χ^2/NDF: 38404502.8/10

- sign 145.237+/-0.022 χ^2/NDF: 19781490.8/52

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

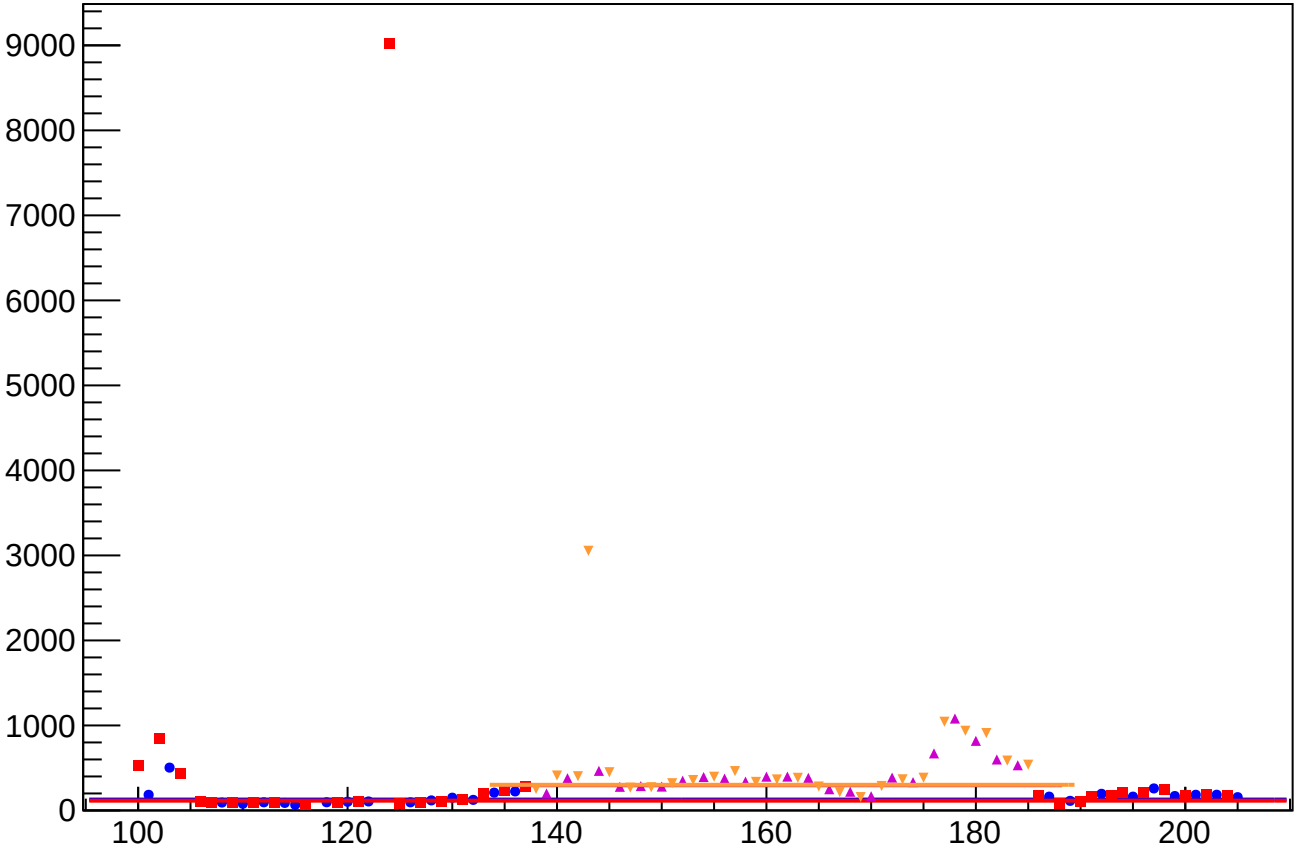
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.010+/-0.023 χ^2/NDF: 106.6/102

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

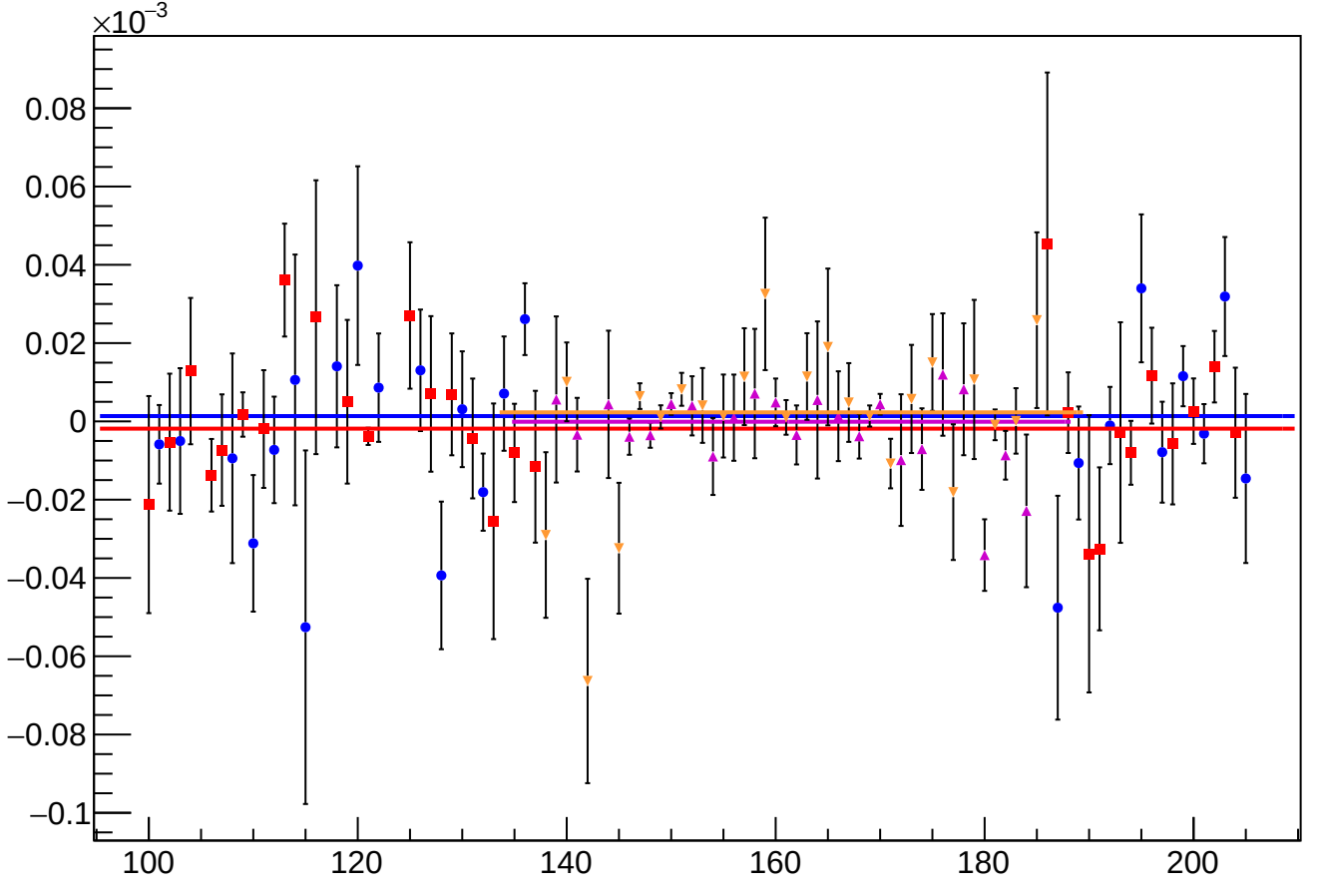
Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373566.6/49

All: 152.563+/-0.016 χ^2/NDF: 38404502.8/10

- sign 145.237+/-0.022 χ^2/NDF: 19781490.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/28

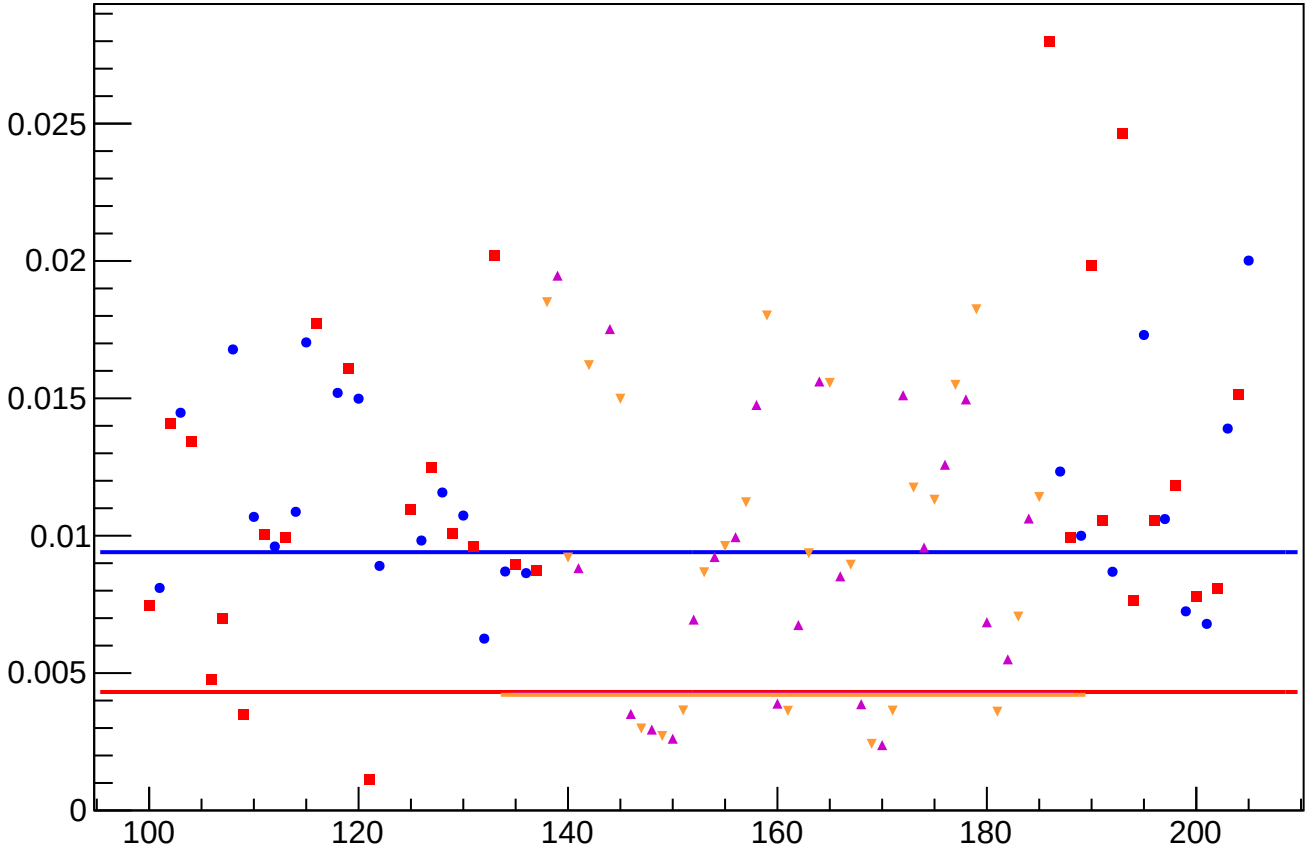
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.8/48

All: 0.000+/-0.000 χ^2/NDF: 129.6/100

- sign -0.000+/-0.000 χ^2/NDF: 55.2/51

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2385453.9/24

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14706282.9/28

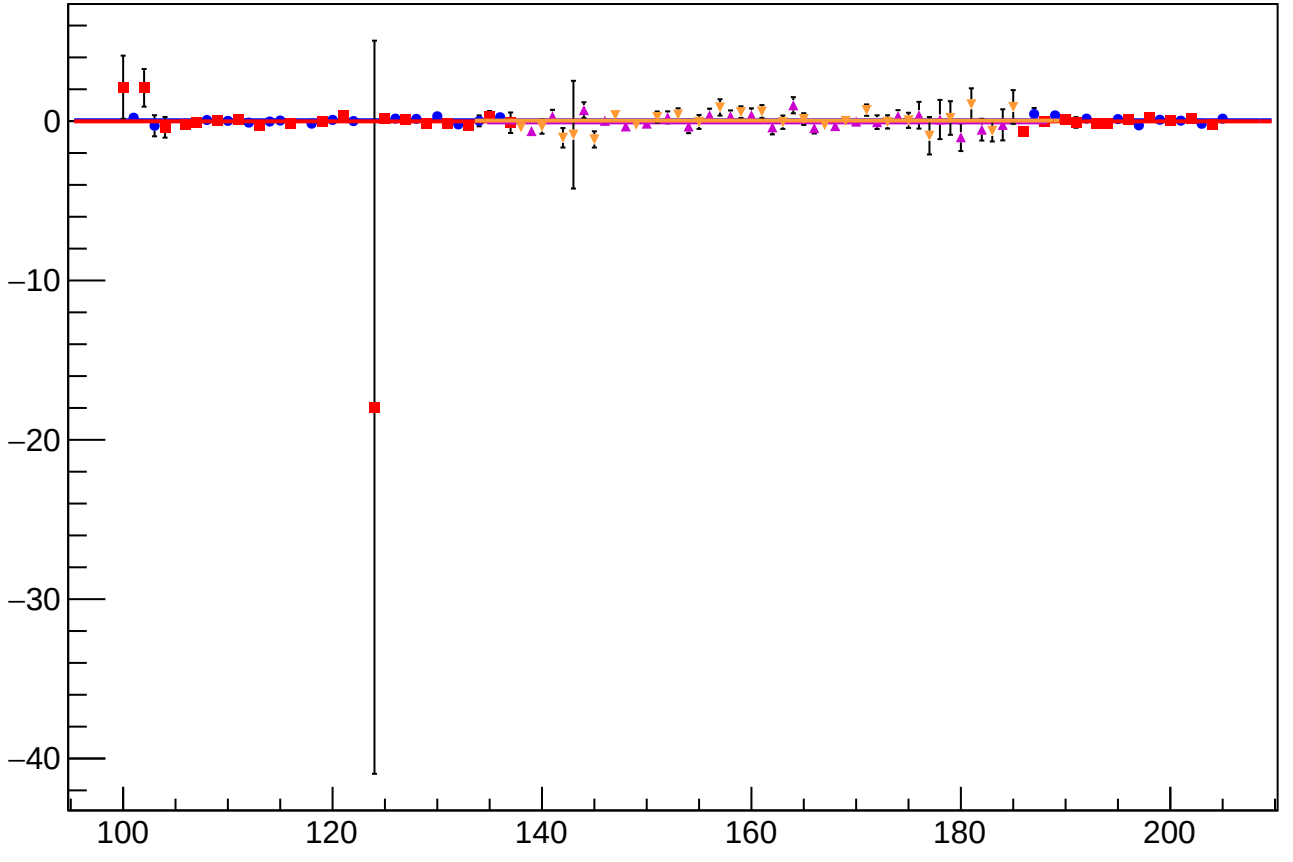
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 20579901.2/48

All: 0.005+/-0.000 χ^2/NDF: 46980281.8/100

- sign 0.004+/-0.000 χ^2/NDF: 25743658.0/51

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

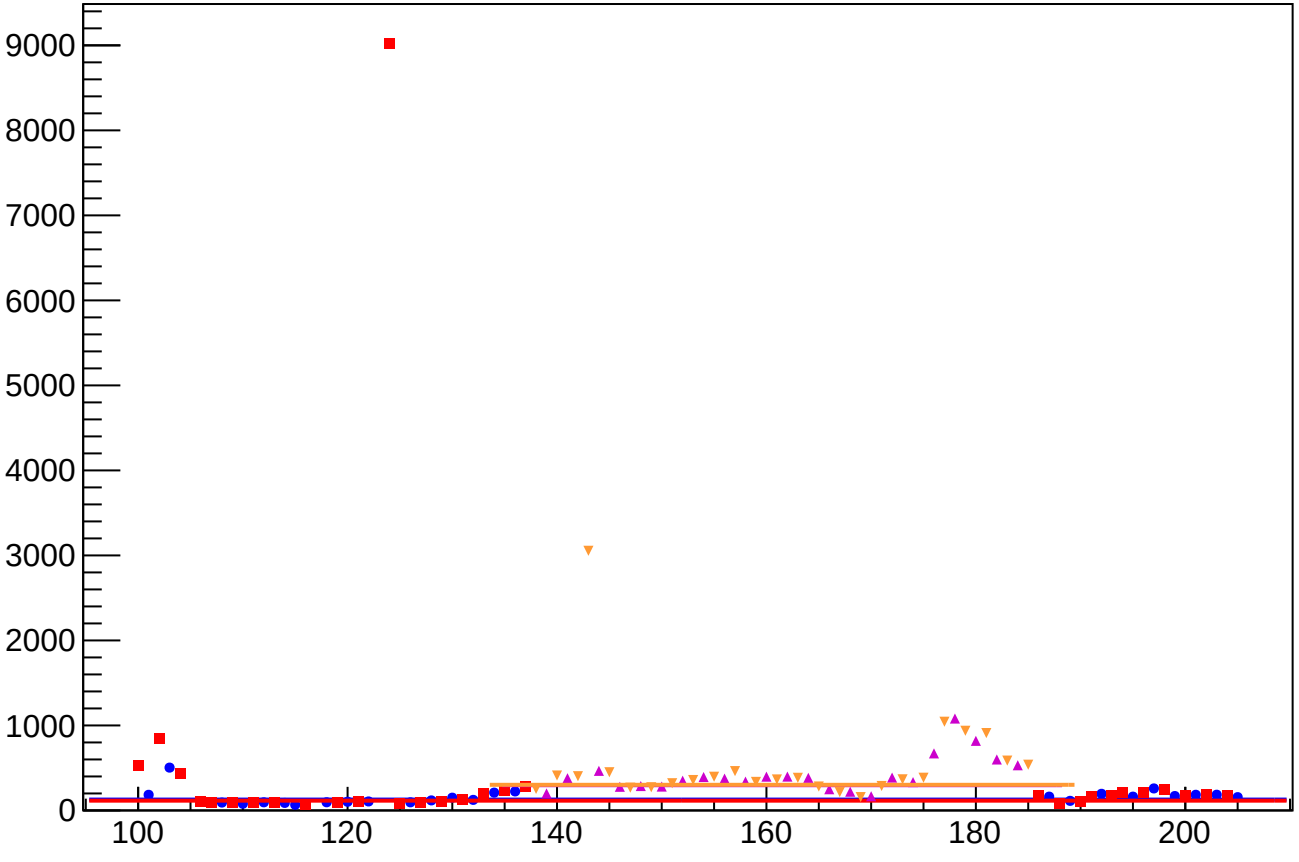
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.010+/-0.023 χ^2/NDF: 106.6/102

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

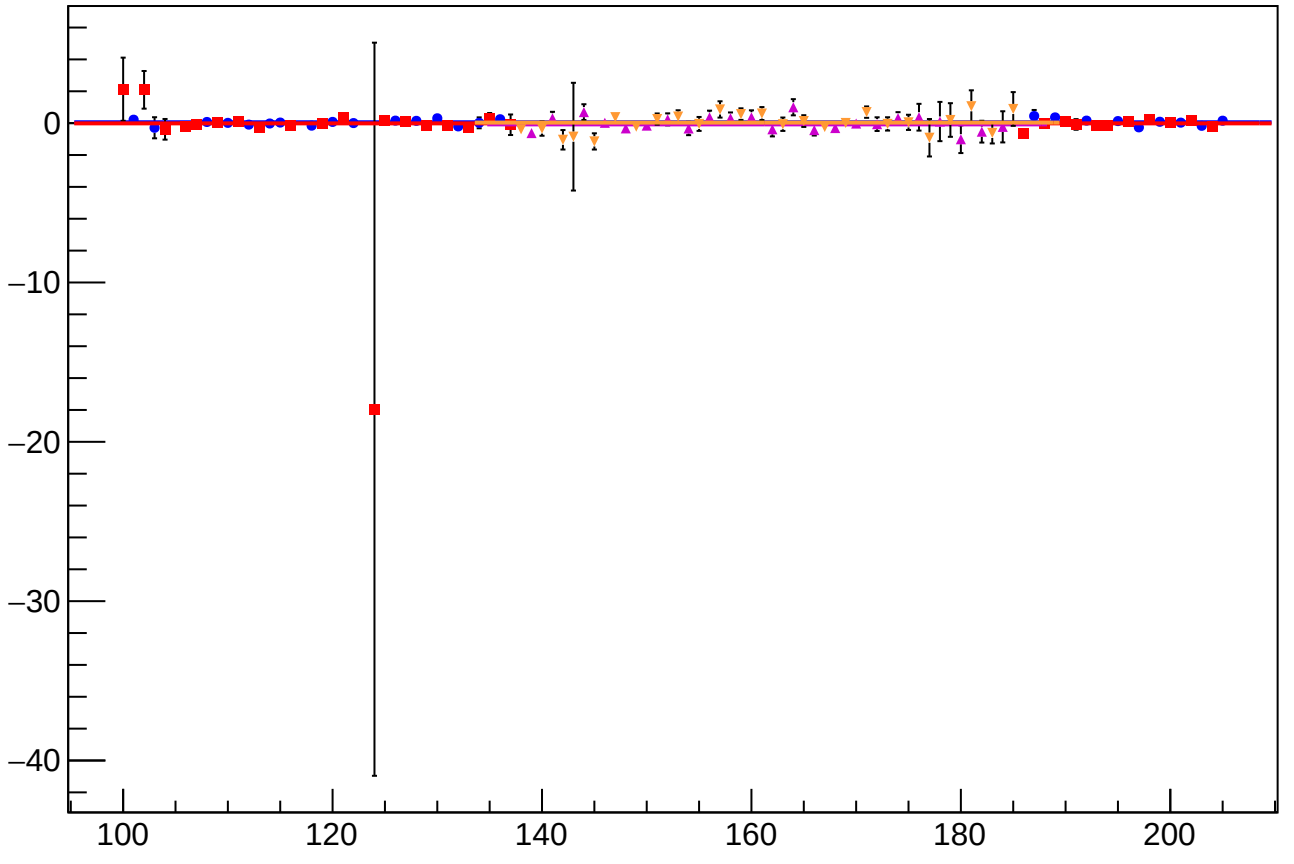
Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373631.4/49

All: 152.563+/-0.016 χ^2/NDF: 38404486.8/10

- sign 145.238+/-0.022 χ^2/NDF: 19781424.9/52



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

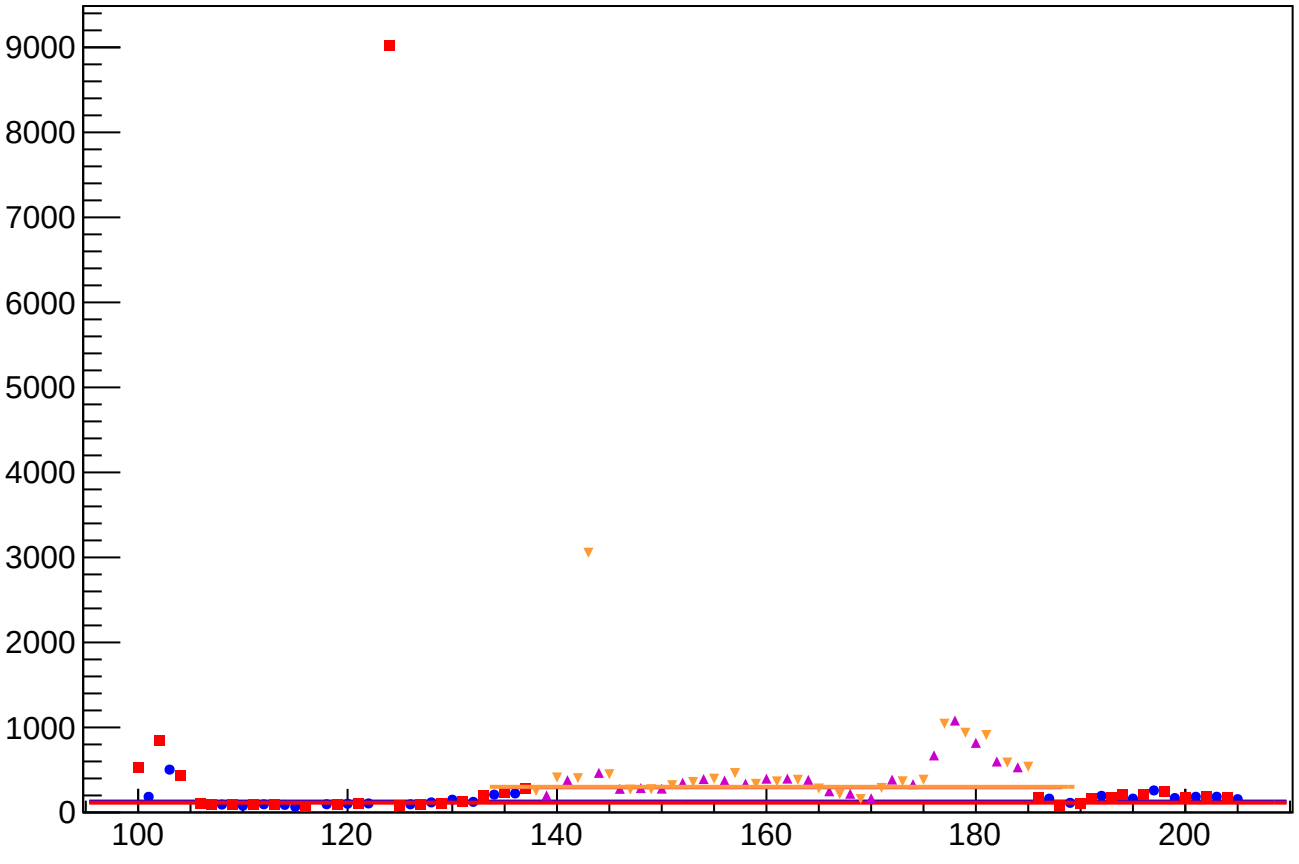
Right Out: -0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.010+/-0.023 χ^2/NDF: 106.6/102

- sign -0.024+/-0.031 χ^2/NDF: 56.9/52



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

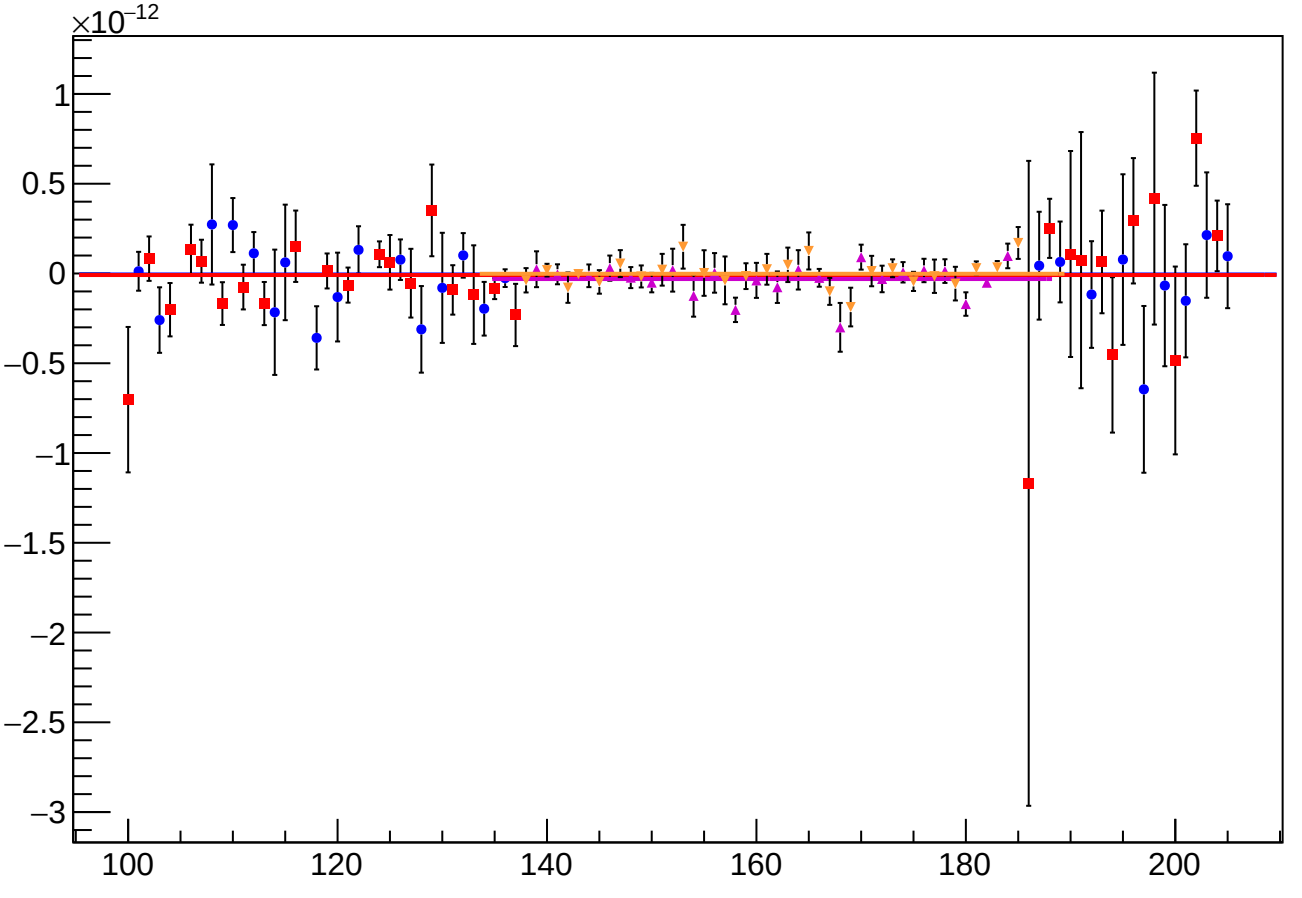
Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373631.4/49

All: 152.563+/-0.016 χ^2/NDF: 38404486.8/10

- sign 145.238+/-0.022 χ^2/NDF: 19781424.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/29

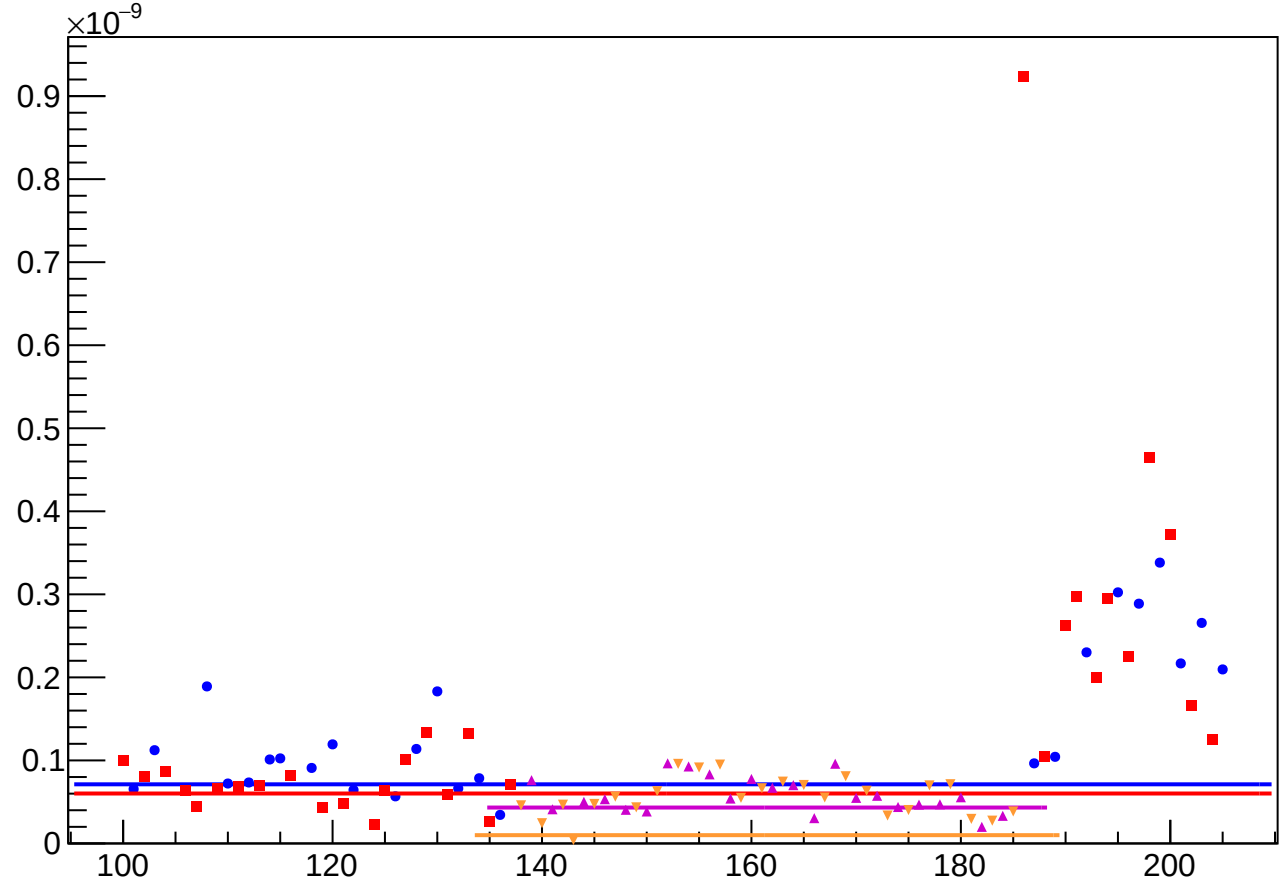
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/49

All: -0.000+/-0.000 χ^2/NDF: 104.4/102

- sign -0.000+/-0.000 χ^2/NDF: 62.6/52

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5732714.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6406258.0/29

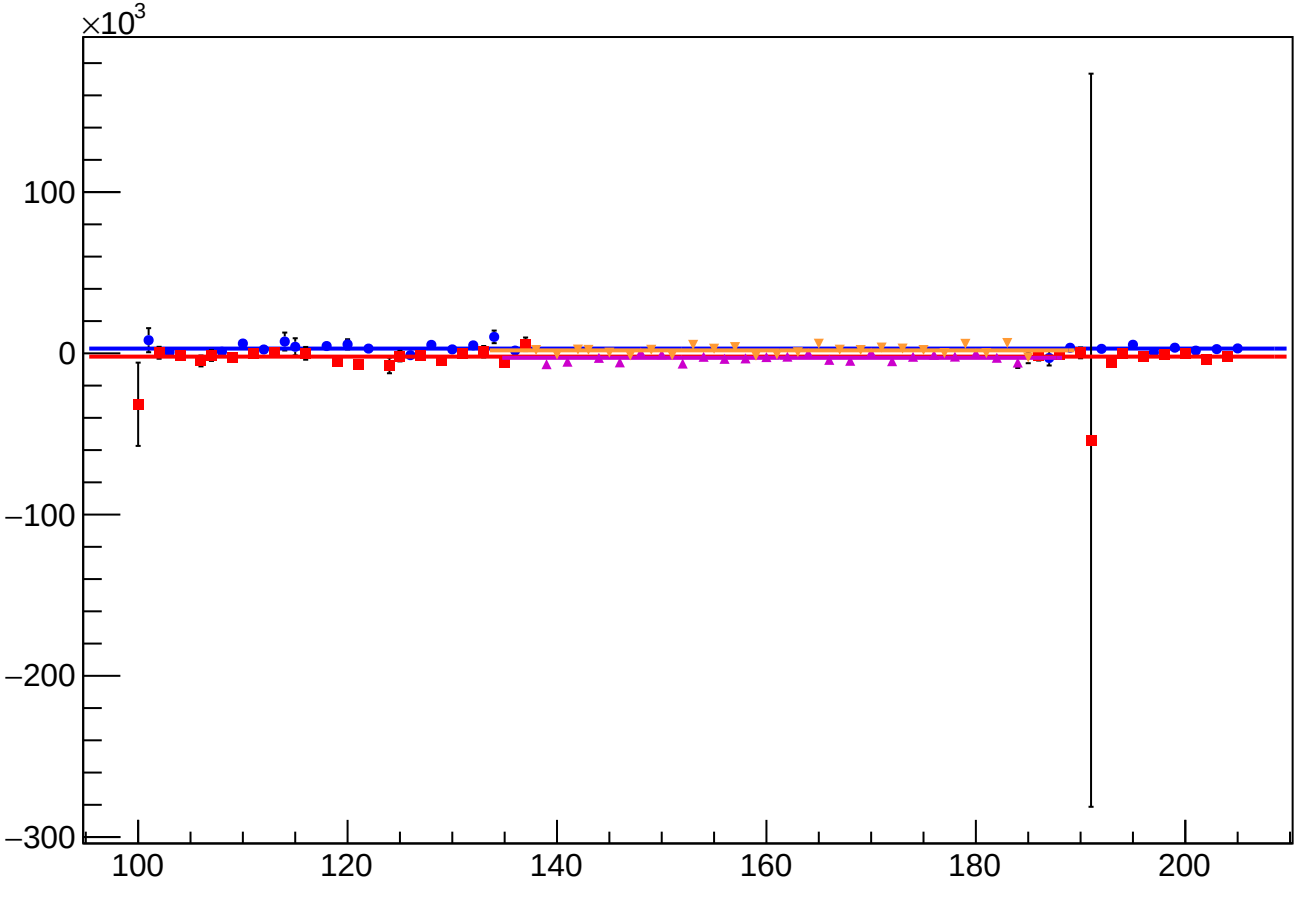
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 32114746.8/49

All: 0.000+/-0.000 χ^2/NDF: 58029346.1/102

- sign 0.000+/-0.000 χ^2/NDF: 11121340.8/52

reg_asym_atr_avg_mean vs Slug



Right In: 2958.877+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2028.655+/-506.011 χ^2/NDF: 22.4/29

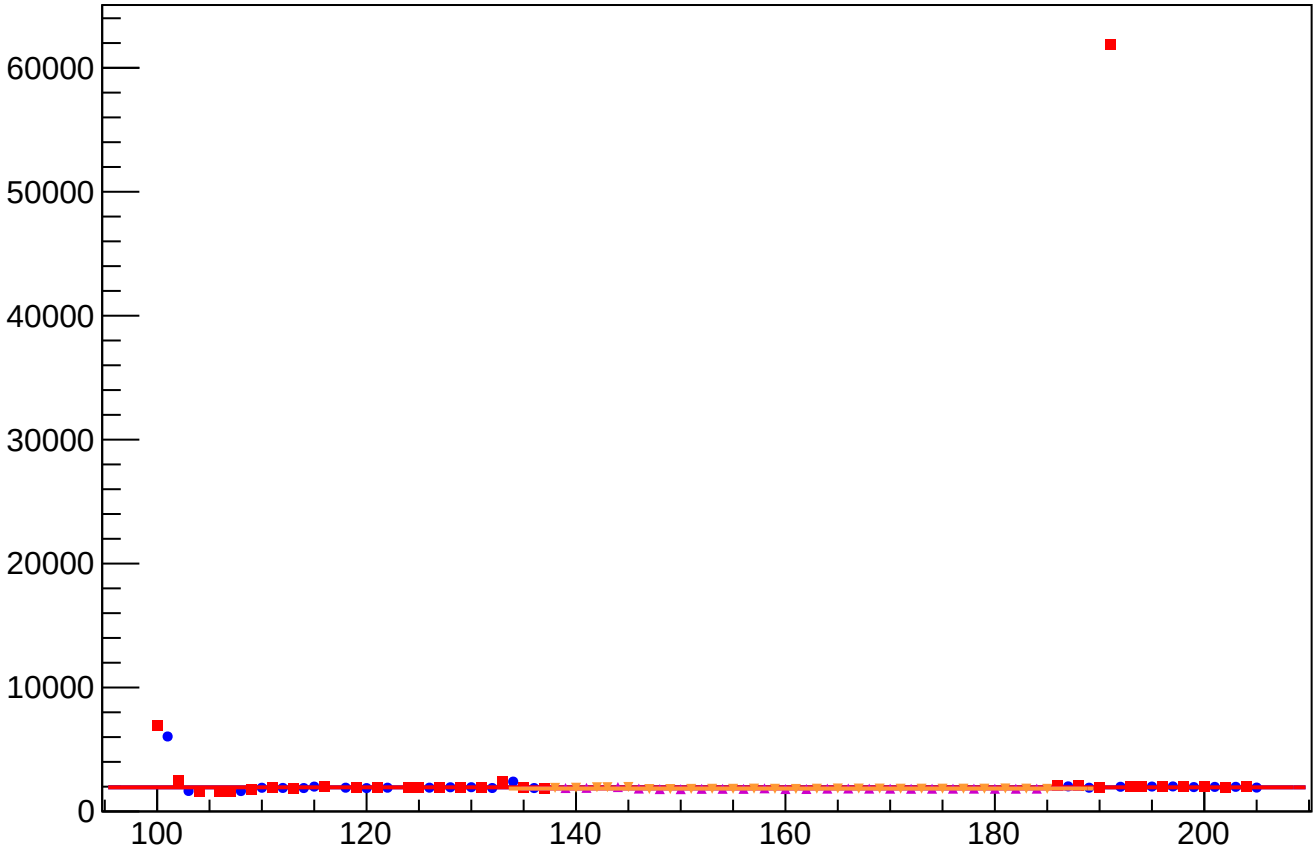
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2283.728+/-328.024 χ^2/NDF: 50.5/49

All: -88.800+/-231.958 χ^2/NDF: 204.3/102

- sign -2461.750+/-328.053 χ^2/NDF: 49.1/52

reg_asym_atr_avg_rms vs Slug



Right In: 1947.789+/-0.371 χ^2/NDF: 707182.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1946.688+/-0.357 χ^2/NDF: 404947.0/29

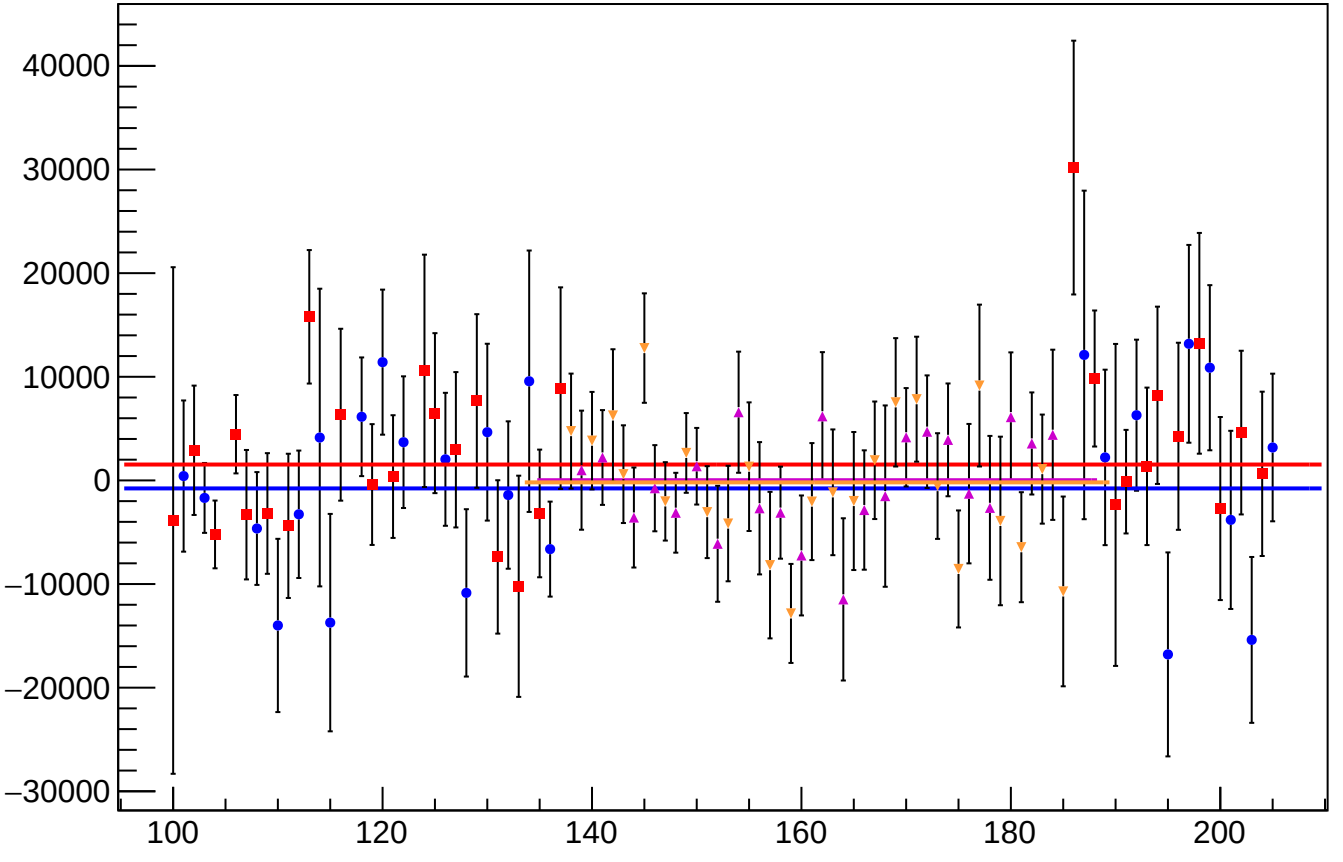
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1887.240+/-0.232 χ^2/NDF: 771645.0/49

All: 1887.552+/-0.164 χ^2/NDF: 1237483.0/10

- sign 1887.863+/-0.232 χ^2/NDF: 465834.4/52

asym_atr_avg_reg_correction_mean vs Slug



Right In: -772.953+/-1386.096 χ^2/NDF: 26.8/24

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1532.579+/-1235.747 χ^2/NDF: 27.3/29

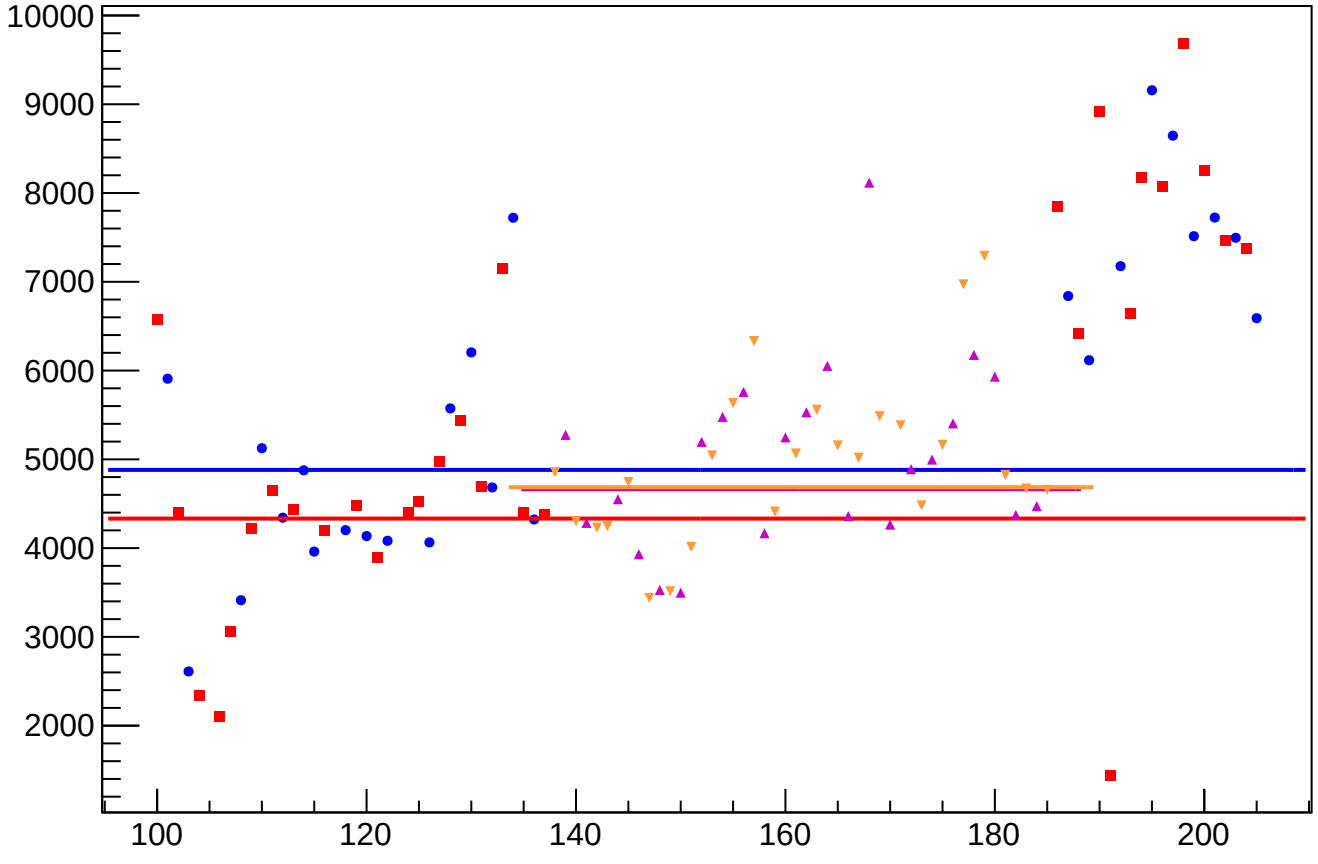
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -412.065+/-856.138 χ^2/NDF: 55.8/49

All: 161.685+/-594.751 χ^2/NDF: 98.6/102

- sign 696.834+/-826.836 χ^2/NDF: 41.9/52

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4880.813+/-0.980 χ^2/NDF: 3159994.7/24

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4332.629+/-0.874 χ^2/NDF: 5403934.5/29

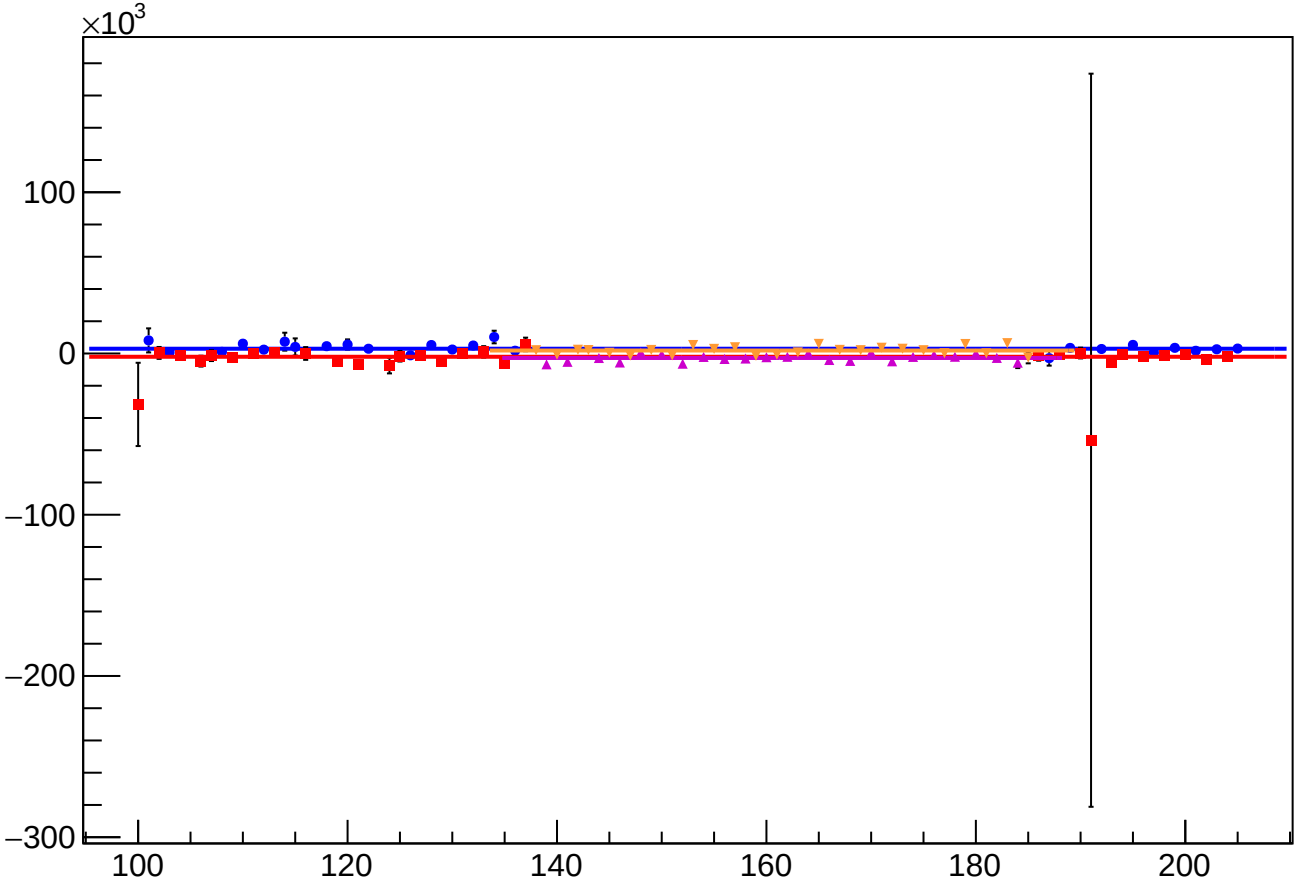
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4760.541+/-0.605 χ^2/NDF: 4369404.9/49

All: 4633.623+/-0.421 χ^2/NDF: 11224094.5/1

- sign 4515.245+/-0.585 χ^2/NDF: 6769741.7/52

cor_asym_atr_avg_mean vs Slug



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2029.186+/-506.012 χ^2/NDF: 22.4/29

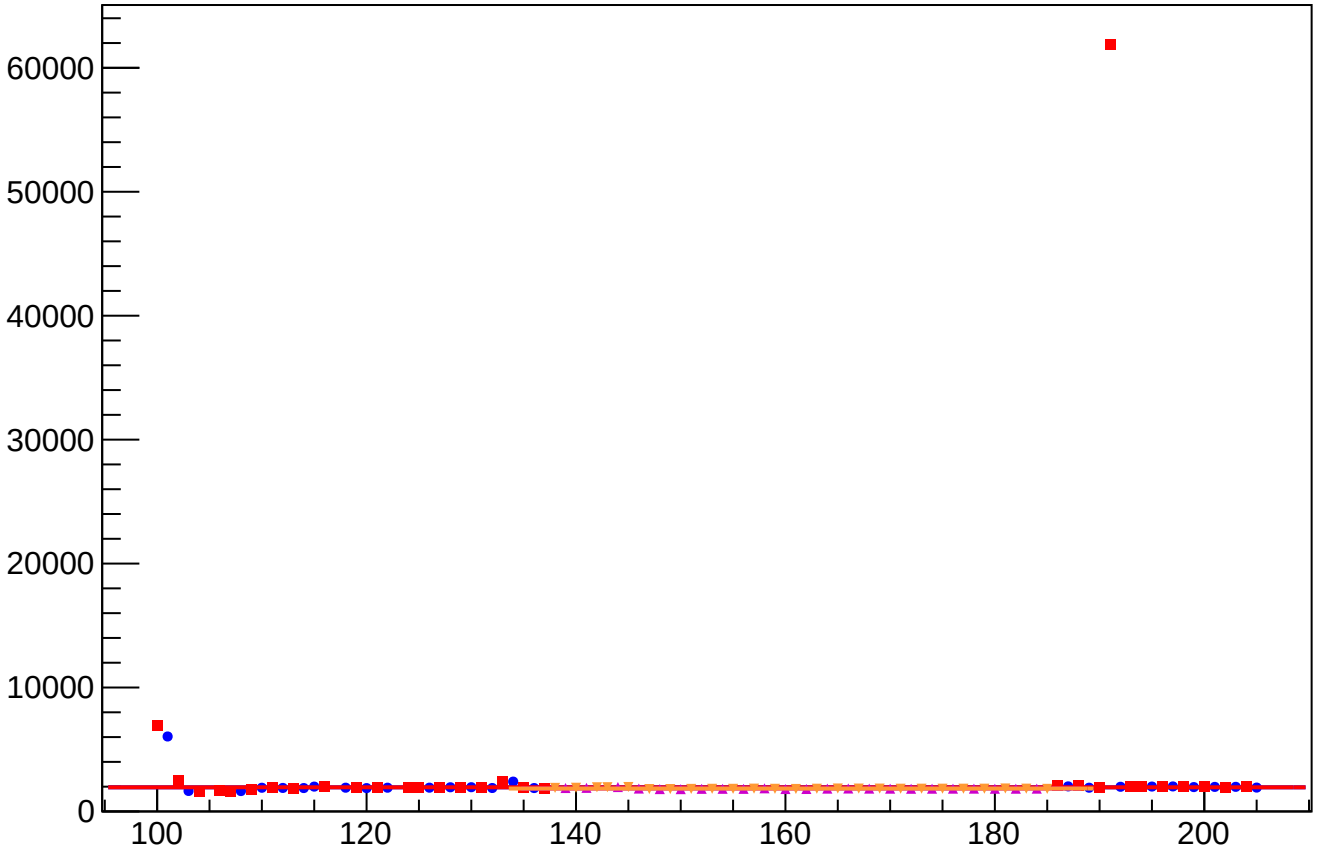
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2283.545+/-328.024 χ^2/NDF: 50.5/49

All: -88.995+/-231.958 χ^2/NDF: 204.3/102

- sign -2461.961+/-328.054 χ^2/NDF: 49.1/52

cor_asym_atr_avg_rms vs Slug



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

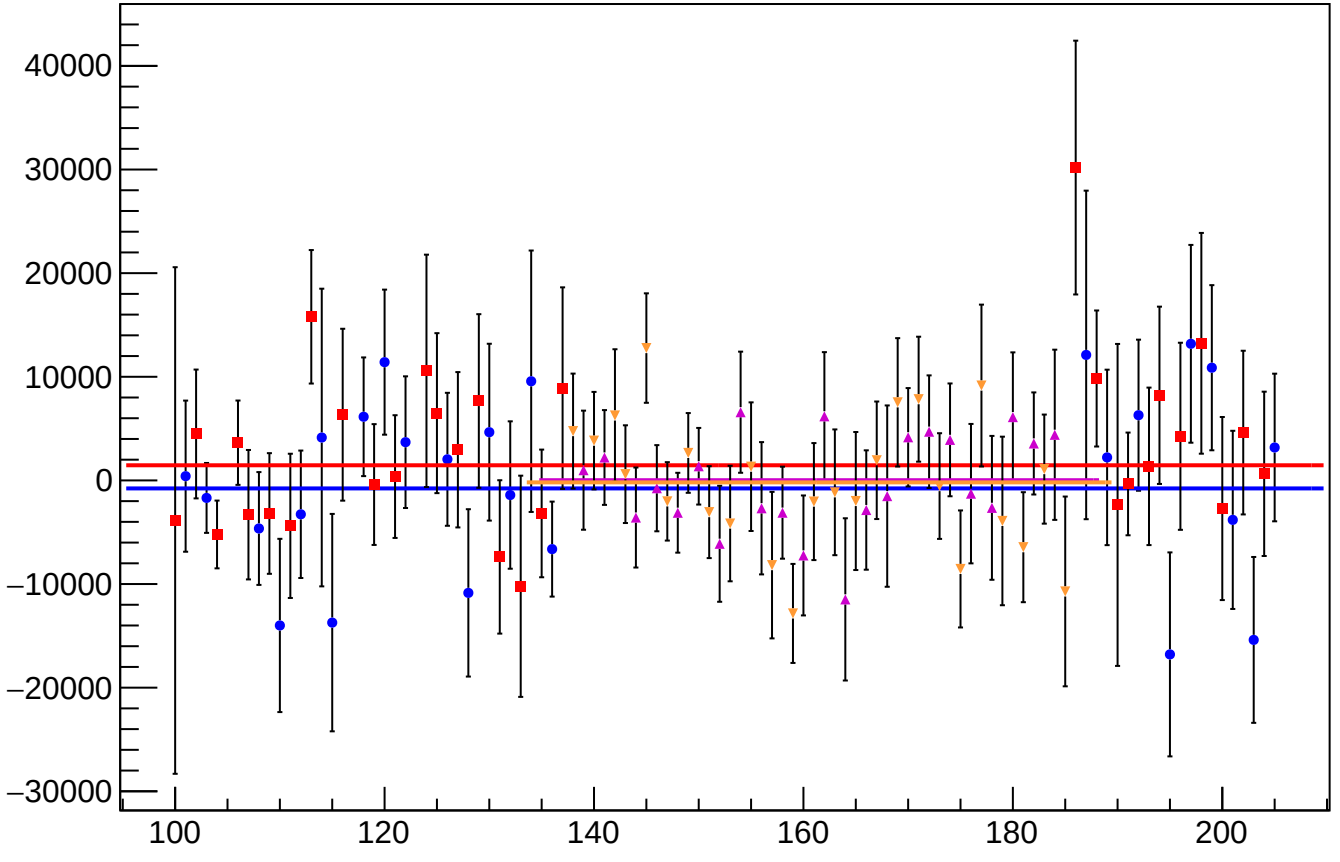
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1887.240+/-0.232 χ^2/NDF: 771644.2/49

All: 1887.976+/-0.164 χ^2/NDF: 1231166.5/10

- sign 1888.711+/-0.232 χ^2/NDF: 459502.2/52

asym_atr_avg_cor_correction_mean vs Slug



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1460.596+/-1244.008 χ^2/NDF: 27.2/29

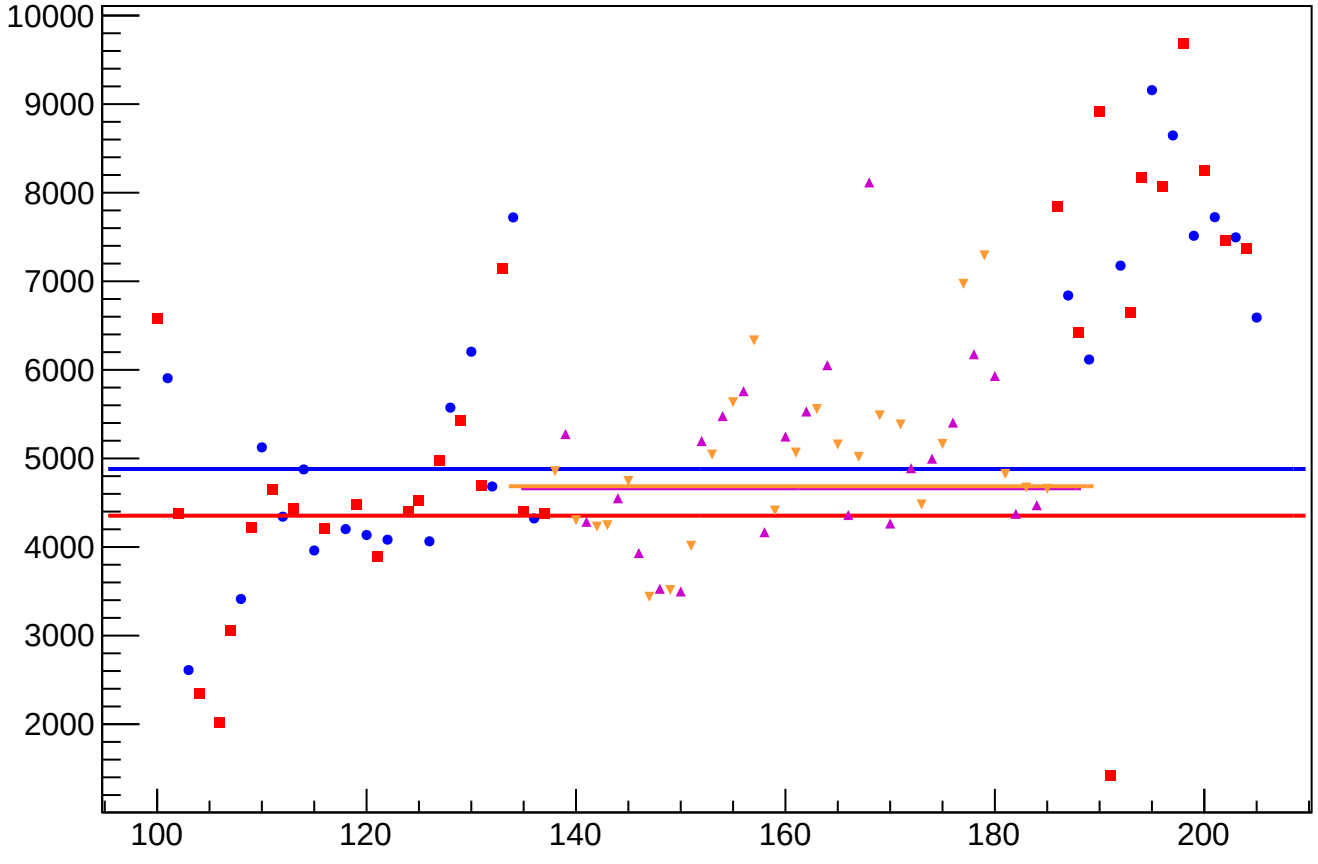
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -412.173+/-856.138 χ^2/NDF: 55.8/49

All: 140.924+/-595.664 χ^2/NDF: 98.3/102

- sign 659.885+/-829.297 χ^2/NDF: 41.7/52

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

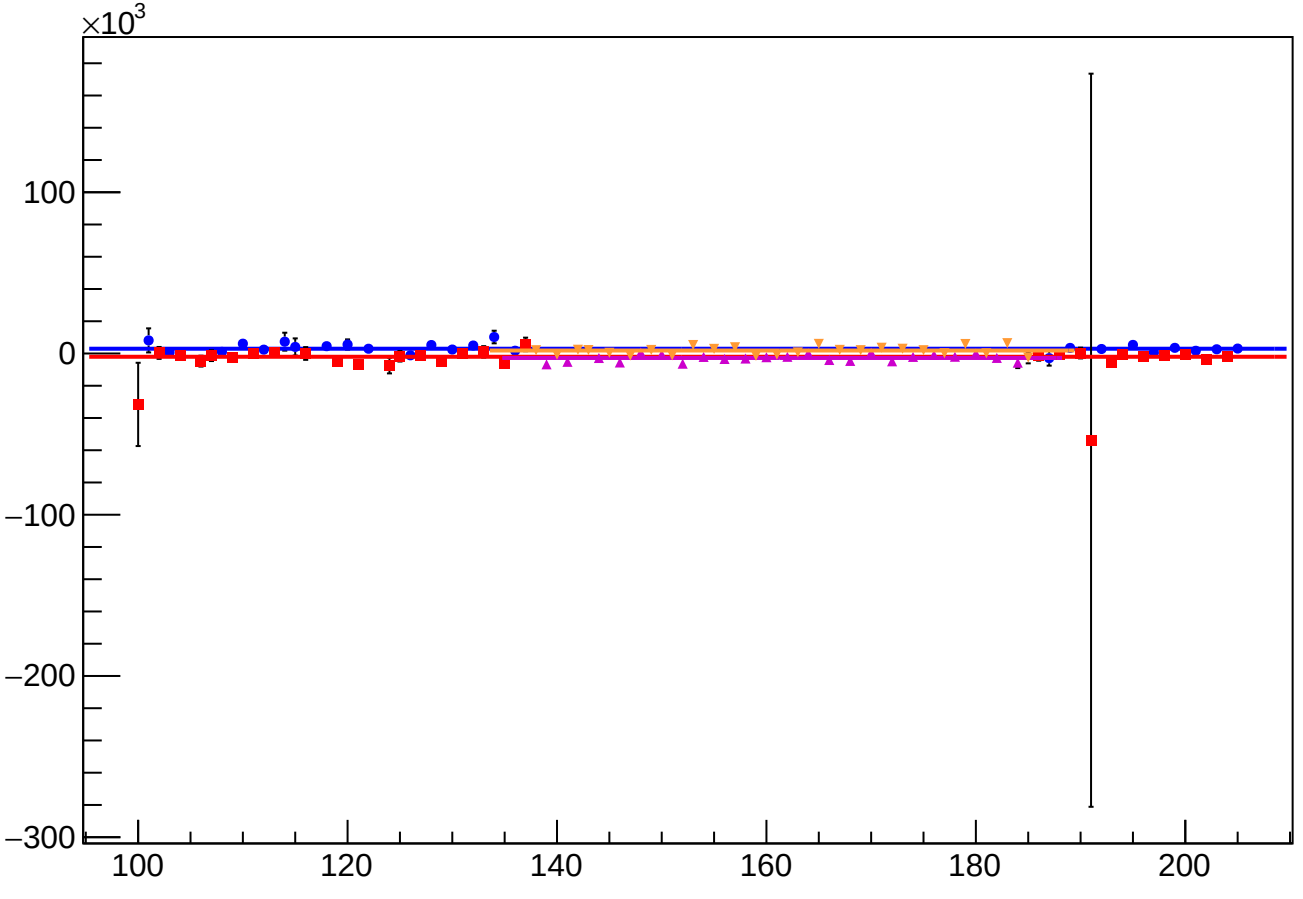
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4760.564+/-0.605 χ^2/NDF: 4368837.9/49

All: 4639.429+/-0.421 χ^2/NDF: 11169550.8/1

- sign 4525.772+/-0.586 χ^2/NDF: 6723107.5/52

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2029.186+/-506.012 χ^2/NDF: 22.4/29

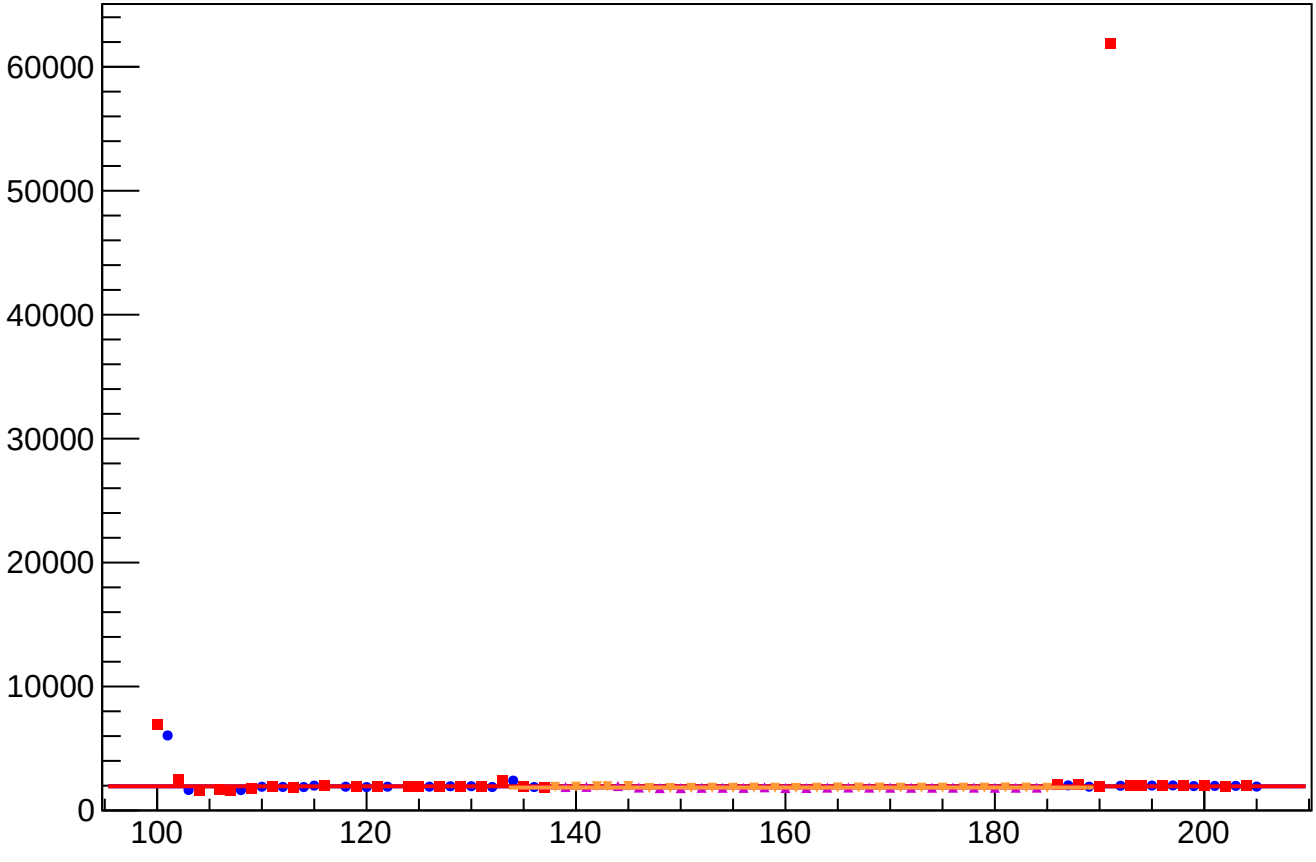
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2283.545+/-328.024 χ^2/NDF: 50.5/49

All: -88.995+/-231.958 χ^2/NDF: 204.3/102

- sign -2461.961+/-328.054 χ^2/NDF: 49.1/52

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

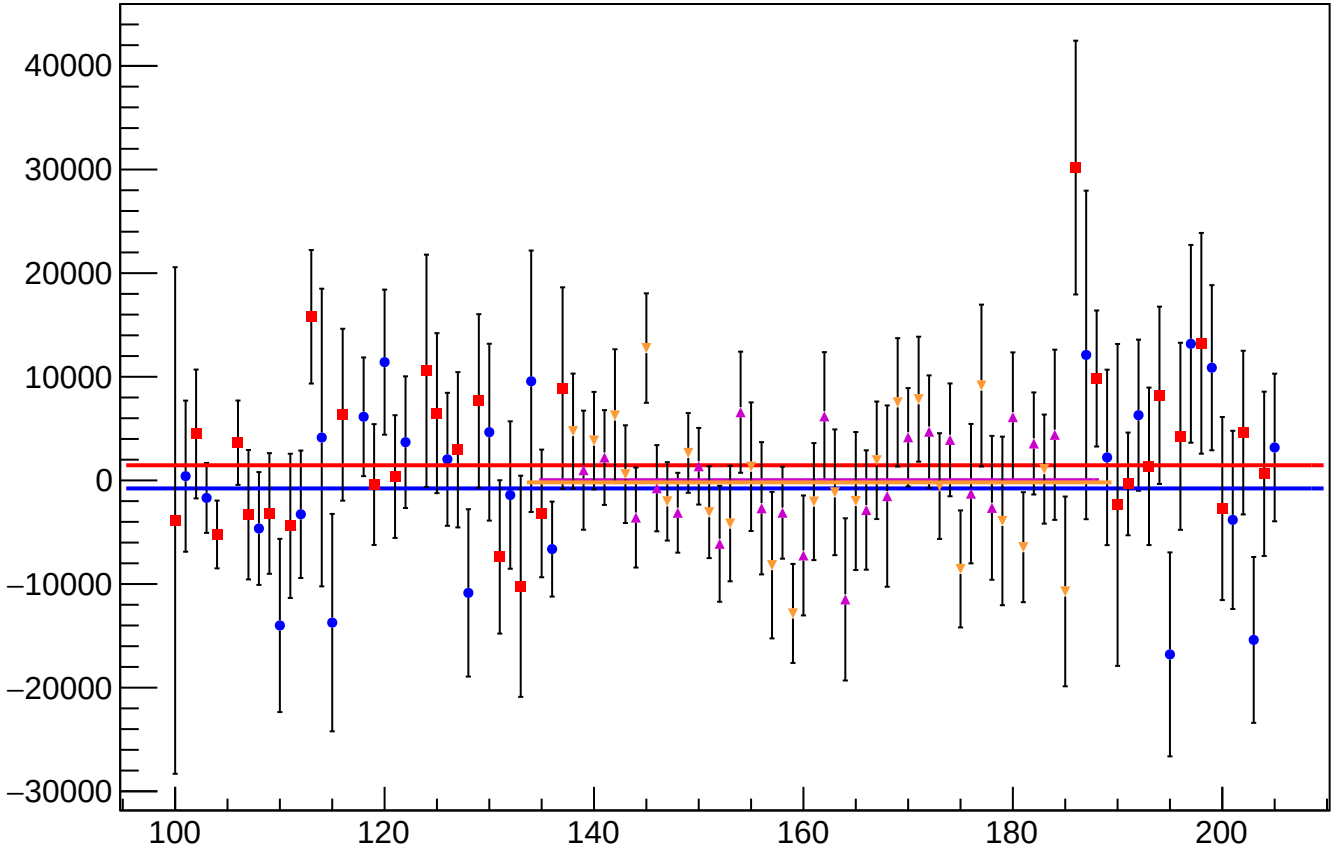
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1887.240+/-0.232 χ^2/NDF: 771644.2/49

All: 1887.976+/-0.164 χ^2/NDF: 1231166.5/10

- sign 1888.711+/-0.232 χ^2/NDF: 459502.2/52

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1460.596+/-1244.008 χ^2/NDF: 27.2/29

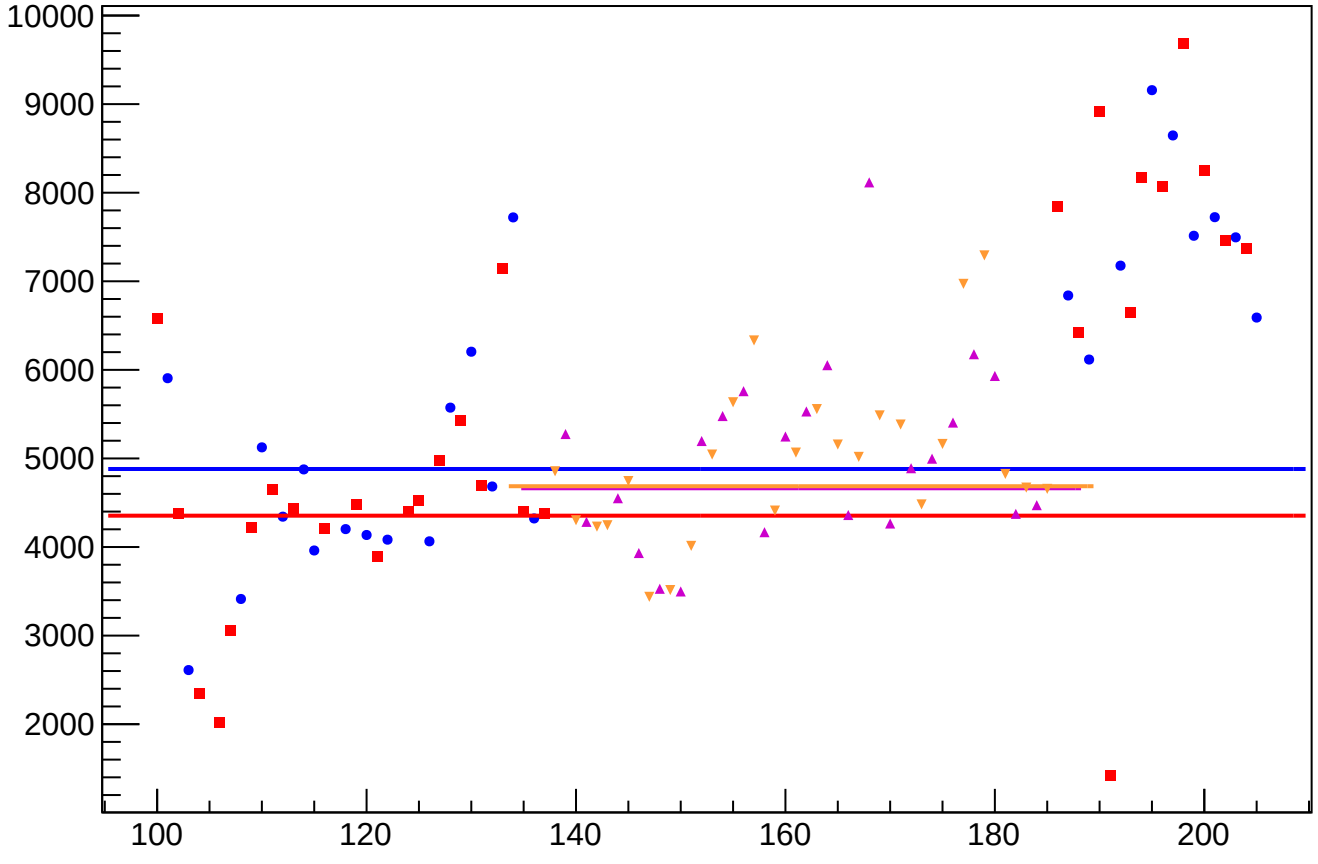
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -412.173+/-856.138 χ^2/NDF: 55.8/49

All: 140.924+/-595.664 χ^2/NDF: 98.3/102

- sign 659.885+/-829.297 χ^2/NDF: 41.7/52

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

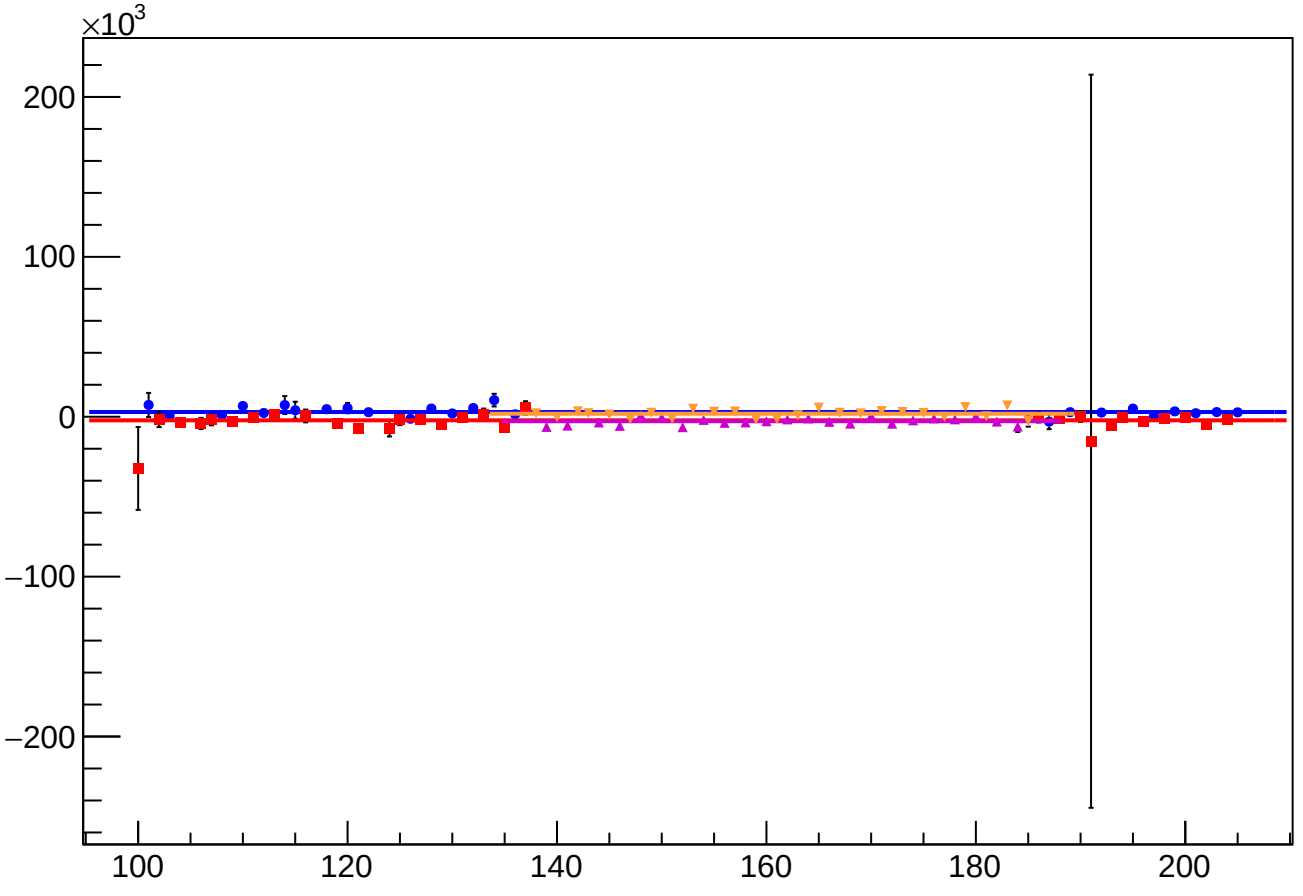
Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4760.564+/-0.605 χ^2/NDF: 4368837.9/49

All: 4639.429+/-0.421 χ^2/NDF: 11169550.8/1

- sign 4525.772+/-0.586 χ^2/NDF: 6723107.5/52



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2238.946+/-518.195 χ^2/NDF: 23.4/29

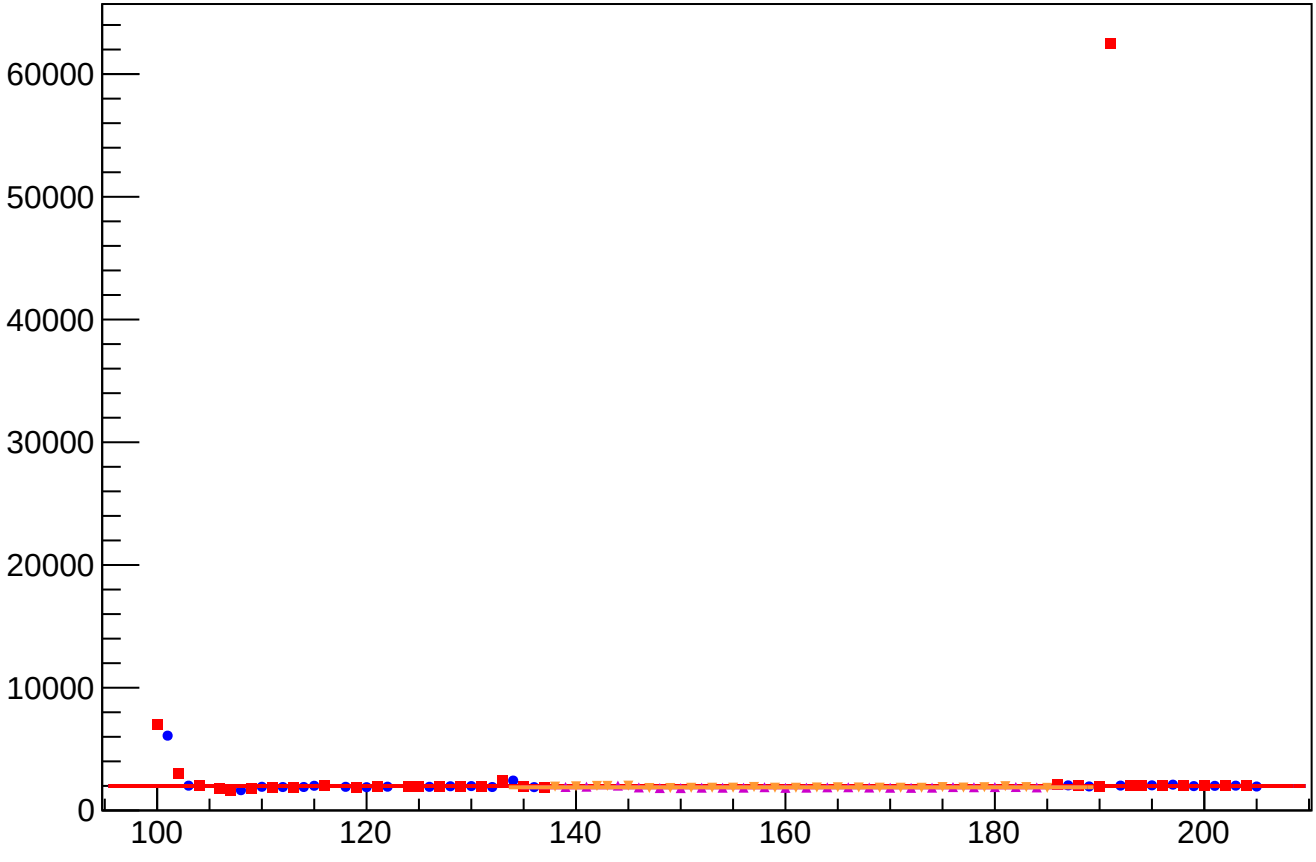
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2299.374+/-335.201 χ^2/NDF: 51.9/49

All: -133.576+/-236.974 χ^2/NDF: 206.7/102

- sign -2564.521+/-335.063 χ^2/NDF: 49.5/52

dit_asym_atr_avg_rms vs Slug



Right In: 1992.835+/-0.380 χ^2/NDF: 674407.3/24

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1991.631+/-0.366 χ^2/NDF: 417878.4/29

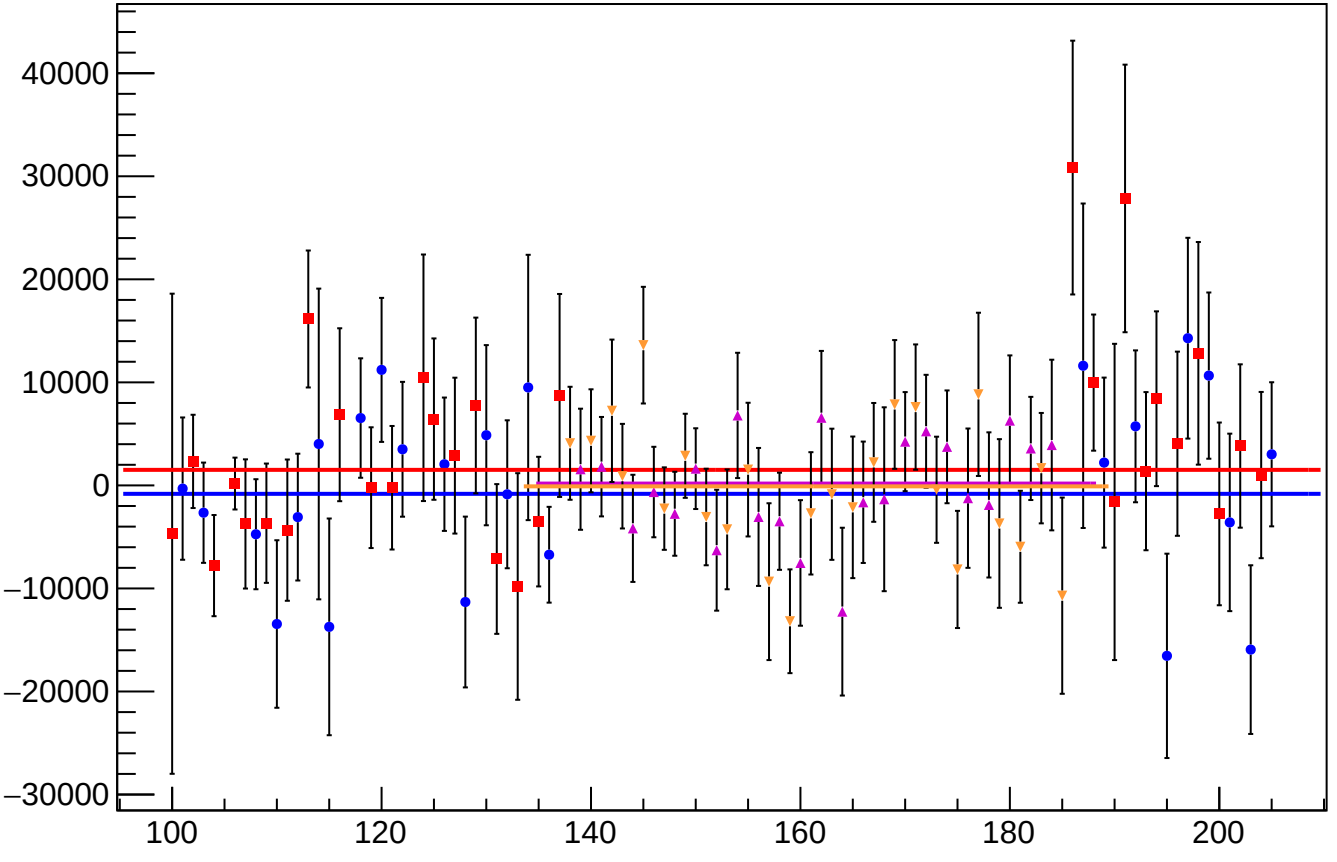
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1928.548+/-0.237 χ^2/NDF: 753282.7/49

All: 1927.788+/-0.168 χ^2/NDF: 1243700.7/10

- sign 1927.029+/-0.237 χ^2/NDF: 490397.5/52

asym_atr_avg_dit_correction_mean vs Slug



Right In: -818.391+/-1455.243 χ^2/NDF: 26.6/24

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1508.380+/-1218.571 χ^2/NDF: 30.4/29

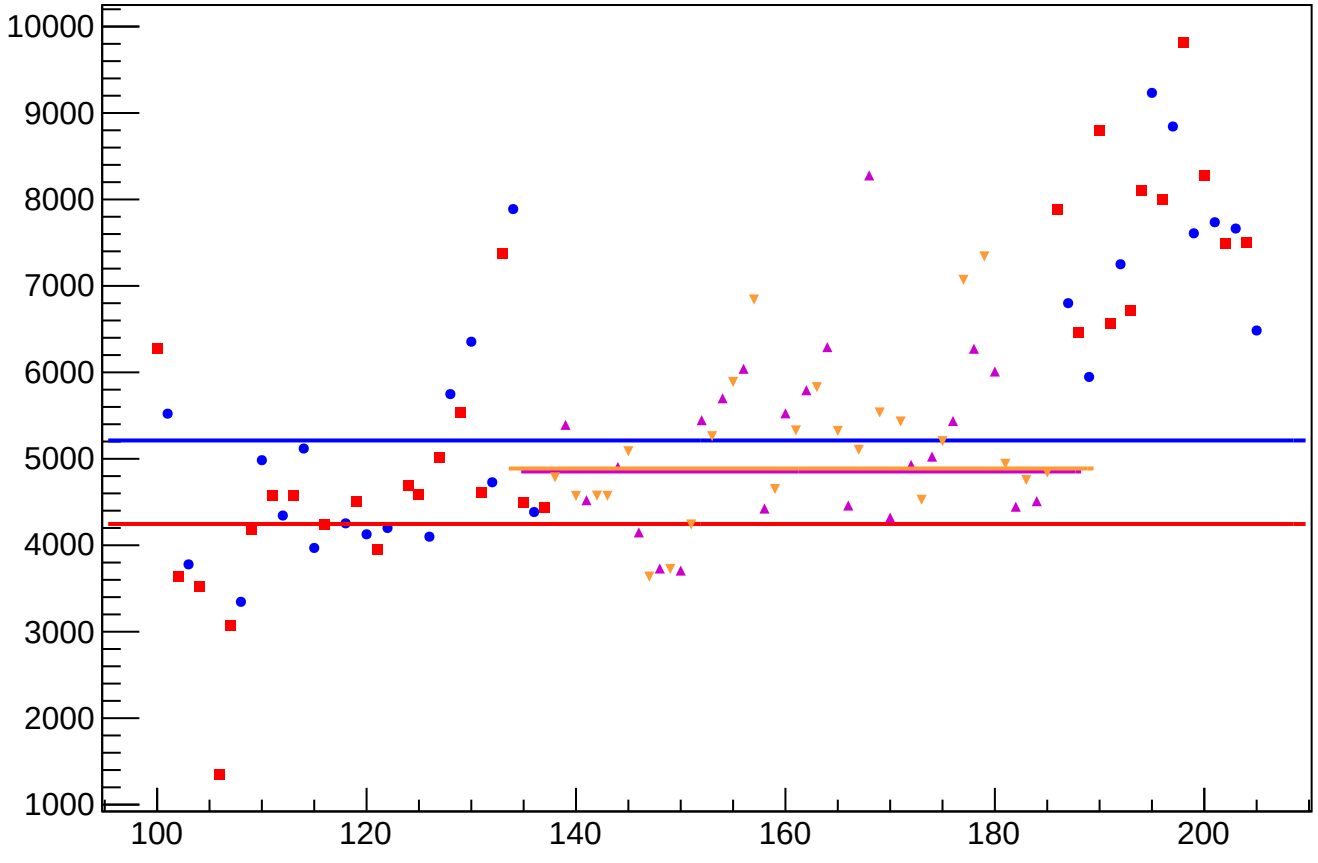
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -366.140+/-894.110 χ^2/NDF: 54.9/49

All: 258.308+/-611.697 χ^2/NDF: 100.4/102

- sign 807.739+/-838.687 χ^2/NDF: 44.6/52

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5212.246+/-1.029 χ^2/NDF: 2292587.1/24

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4246.229+/-0.862 χ^2/NDF: 6304139.2/29

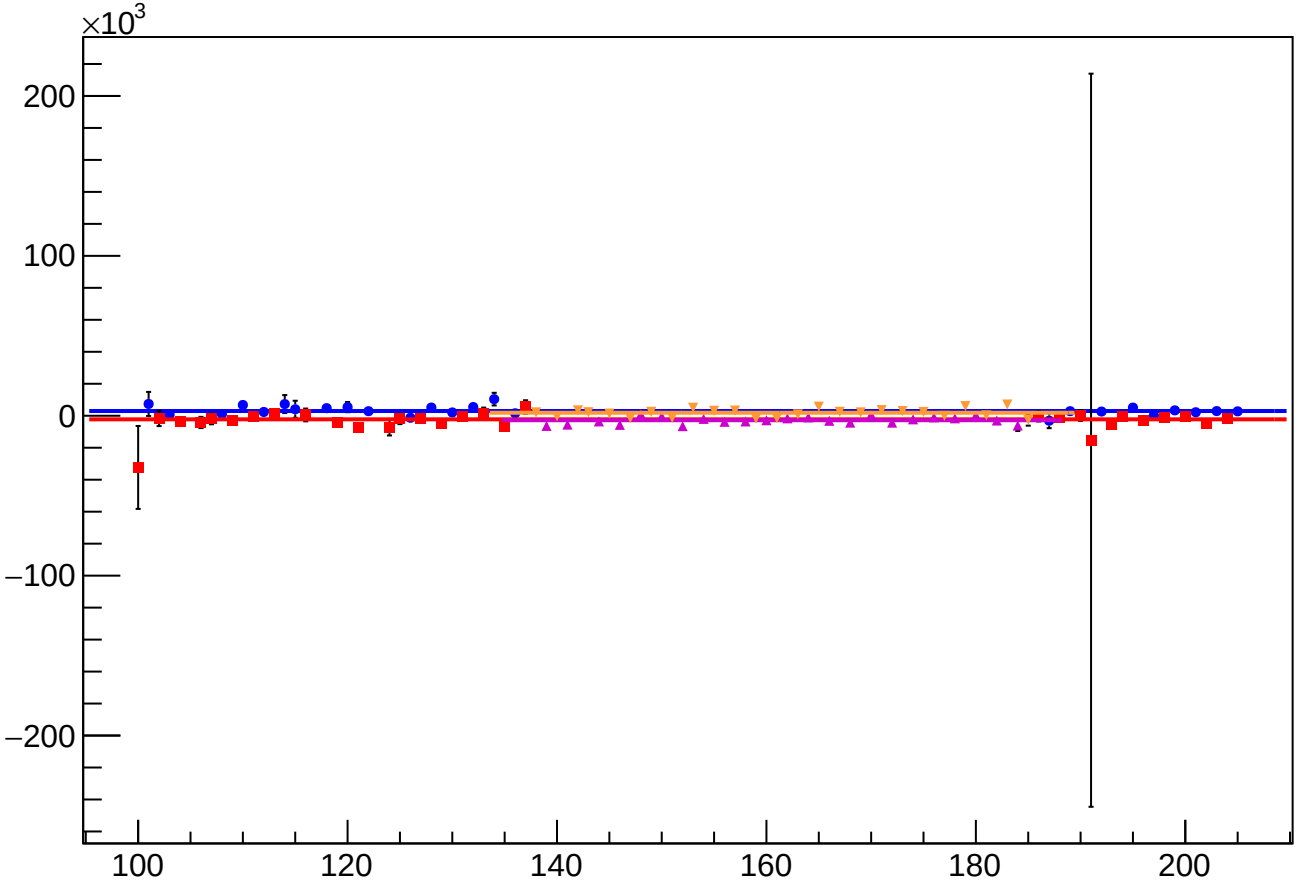
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5010.291+/-0.632 χ^2/NDF: 3417762.0/49

All: 4773.825+/-0.433 χ^2/NDF: 11424808.3/1

- sign 4565.767+/-0.593 χ^2/NDF: 7744074.1/52

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2238.946+/-518.195 χ^2/NDF: 23.4/29

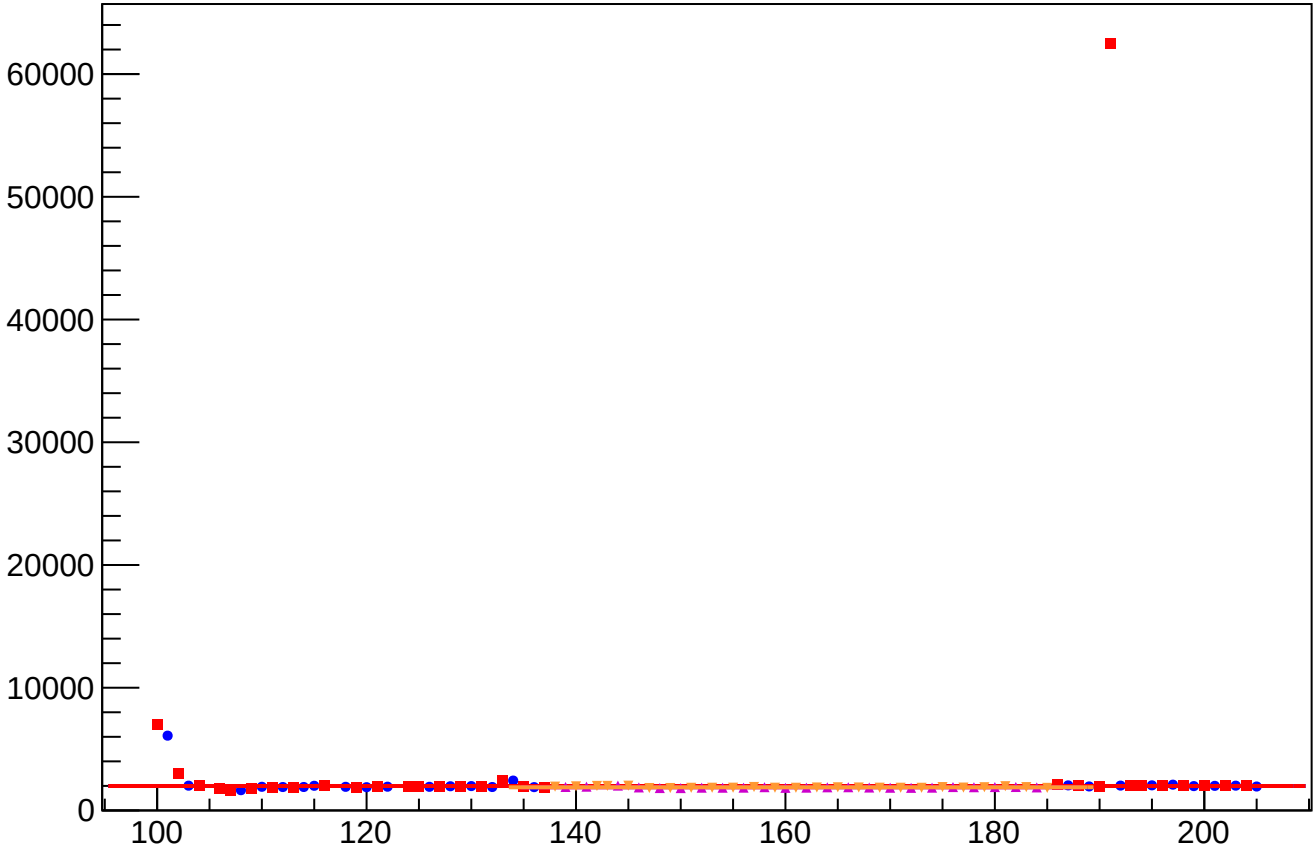
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2299.371+/-335.201 χ^2/NDF: 51.9/49

All: -133.577+/-236.974 χ^2/NDF: 206.7/102

- sign -2564.521+/-335.063 χ^2/NDF: 49.5/52

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1992.834+/-0.380 χ^2/NDF: 674407.4/24

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

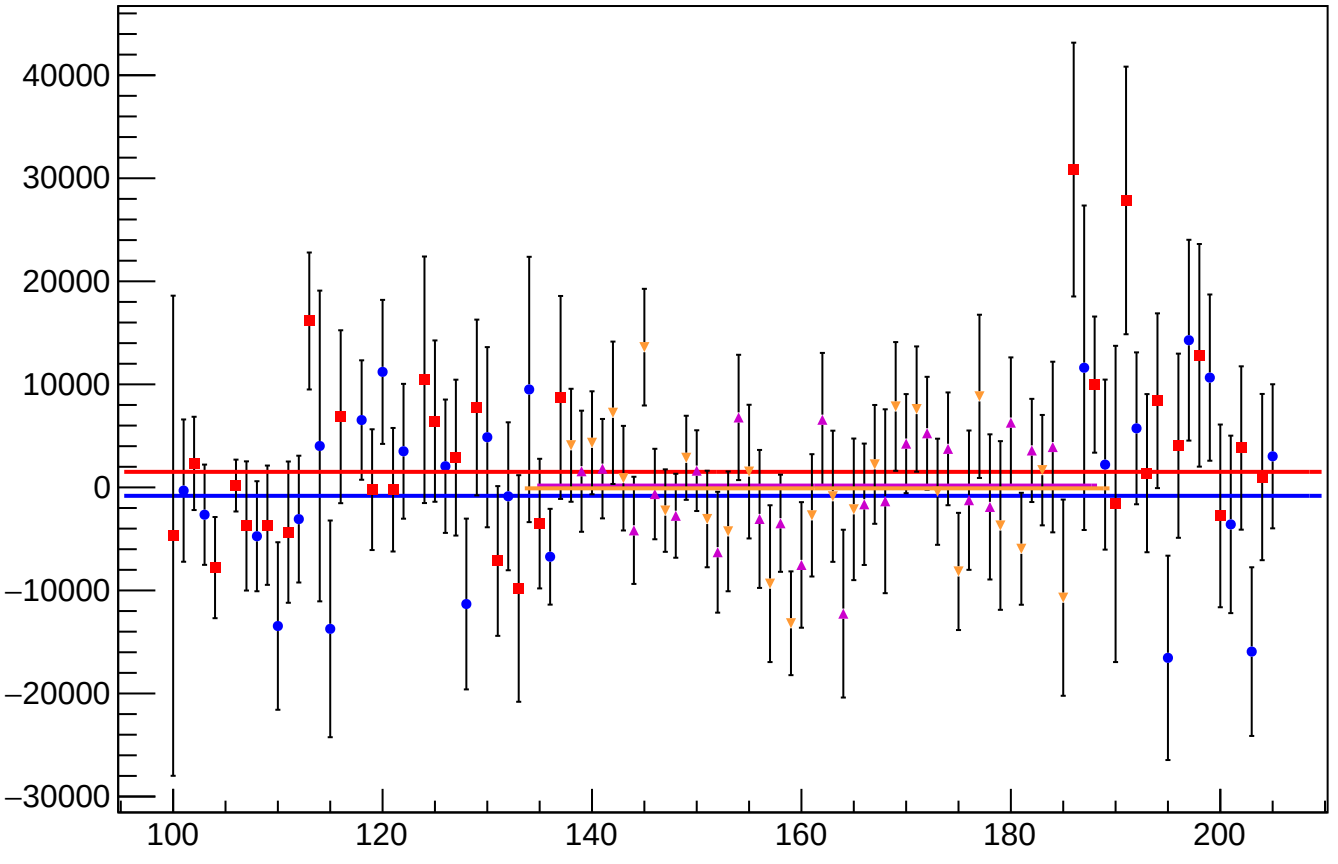
Right Out: 1991.630+/-0.366 χ^2/NDF: 417877.9/29

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1928.548+/-0.237 χ^2/NDF: 753282.1/49

All: 1927.789+/-0.168 χ^2/NDF: 1243698.9/10

- sign 1927.030+/-0.237 χ^2/NDF: 490396.3/52



Right In: -818.380+/-1455.242 χ^2/NDF: 26.6/24

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1508.376+/-1218.569 χ^2/NDF: 30.4/29

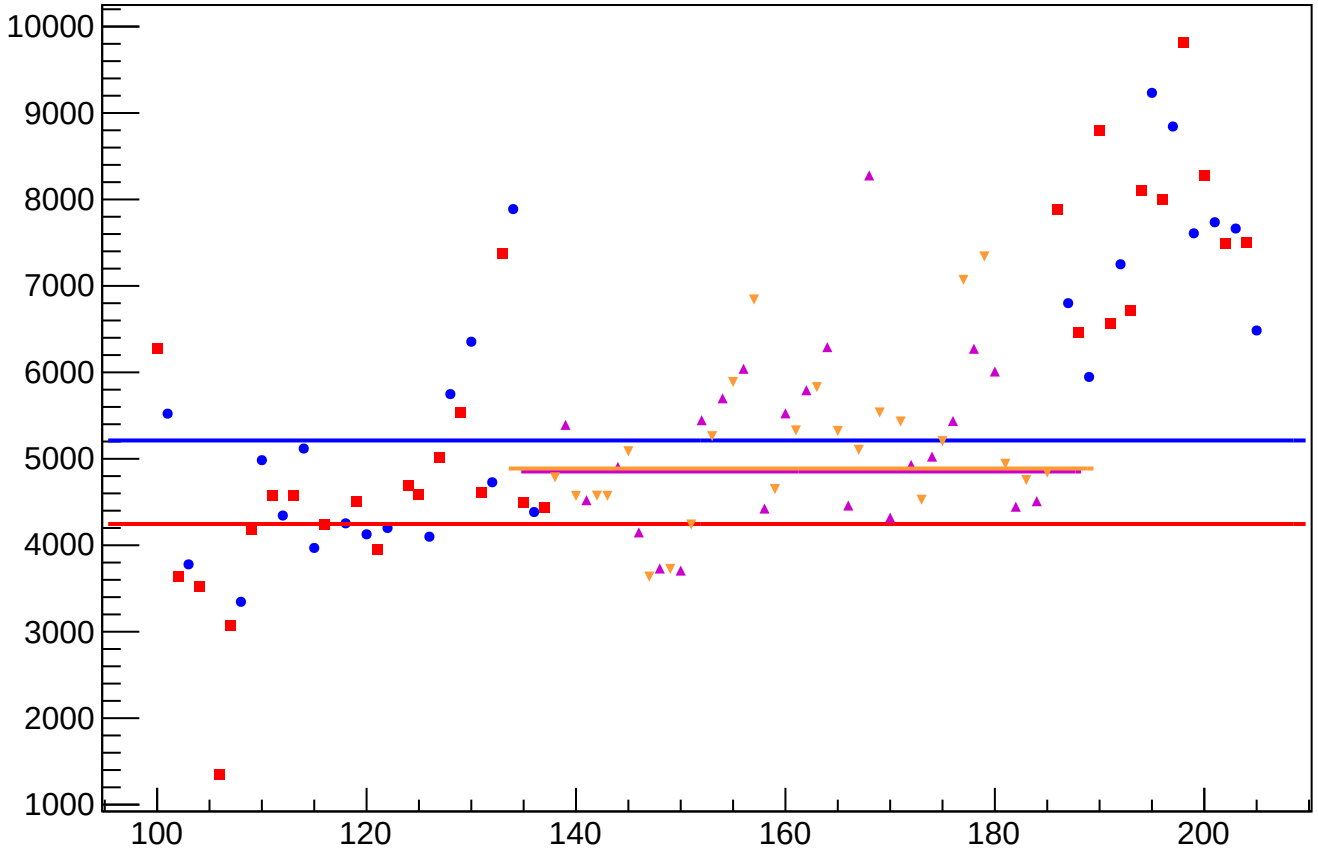
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -366.138+/-894.111 χ^2/NDF: 54.9/49

All: 258.309+/-611.697 χ^2/NDF: 100.4/102

- sign 807.740+/-838.687 χ^2/NDF: 44.6/52

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5212.240+/-1.029 χ^2/NDF: 2292603.1/24

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4246.220+/-0.862 χ^2/NDF: 6304170.3/29

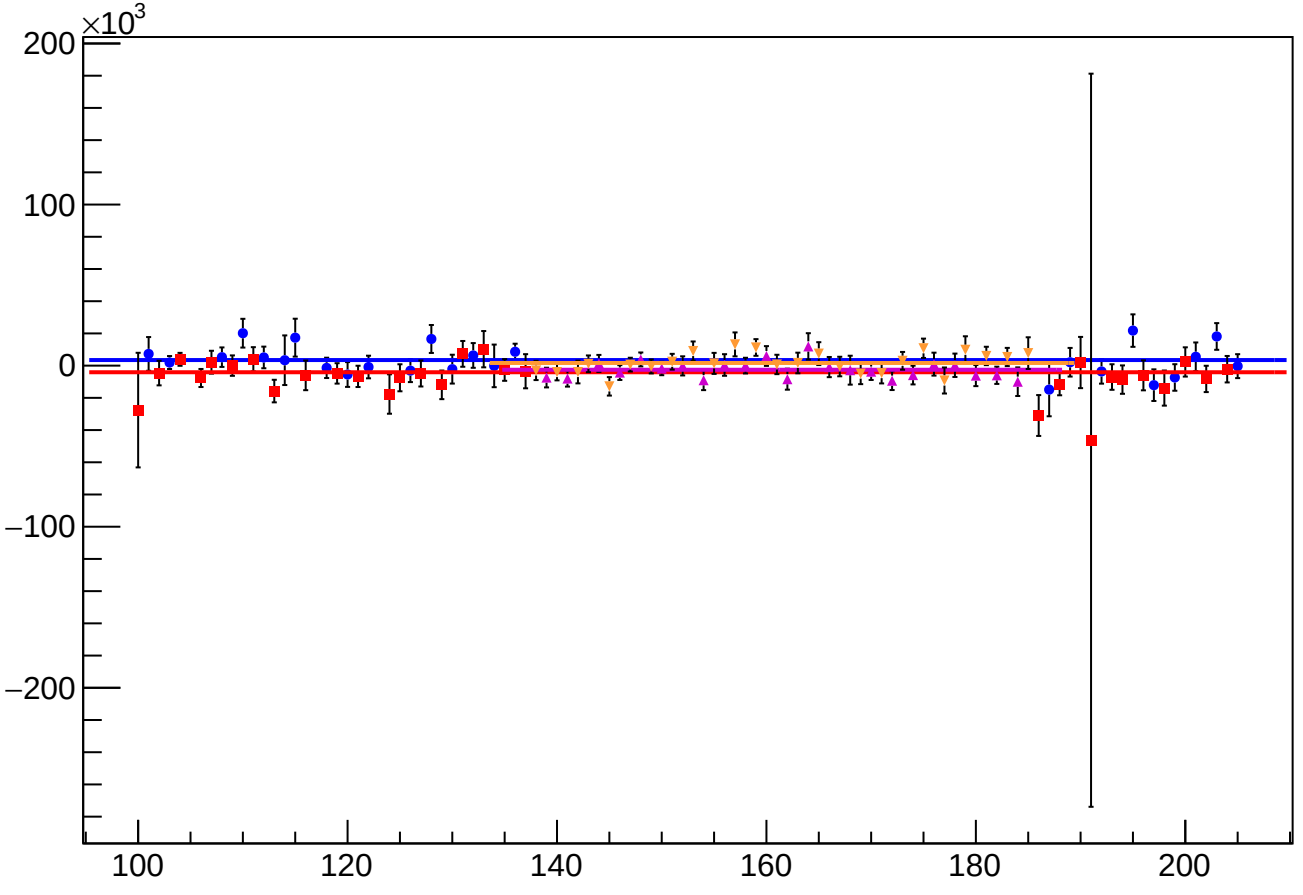
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5010.294+/-0.632 χ^2/NDF: 3417774.3/49

All: 4773.826+/-0.433 χ^2/NDF: 11424873.4/1

- sign 4565.766+/-0.593 χ^2/NDF: 7744122.0/52

asym_atr_avg_mean vs Slug



Right In: 3468.720+/-1526.695 χ^2/NDF: 25.6/24

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4104.168+/-1443.994 χ^2/NDF: 23.9/29

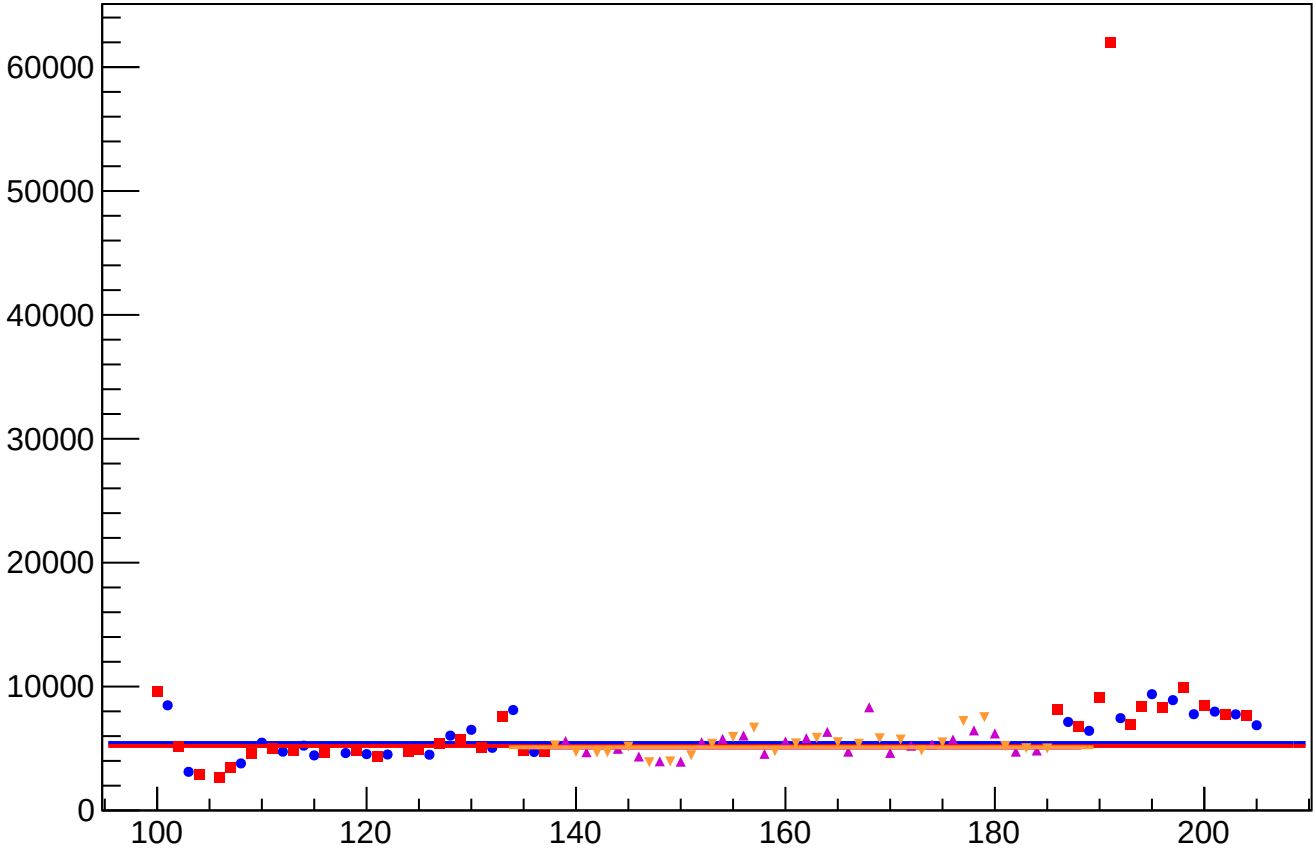
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2332.083+/-932.965 χ^2/NDF: 52.4/49

All: -455.701+/-656.847 χ^2/NDF: 110.7/102

- sign -3195.677+/-924.931 χ^2/NDF: 40.5/52

asym_atr_avg_rms vs Slug



Right In: 5439.752+/-1.080 χ^2/NDF: 2610700.1/24

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5206.052+/-1.014 χ^2/NDF: 3545581.8/29

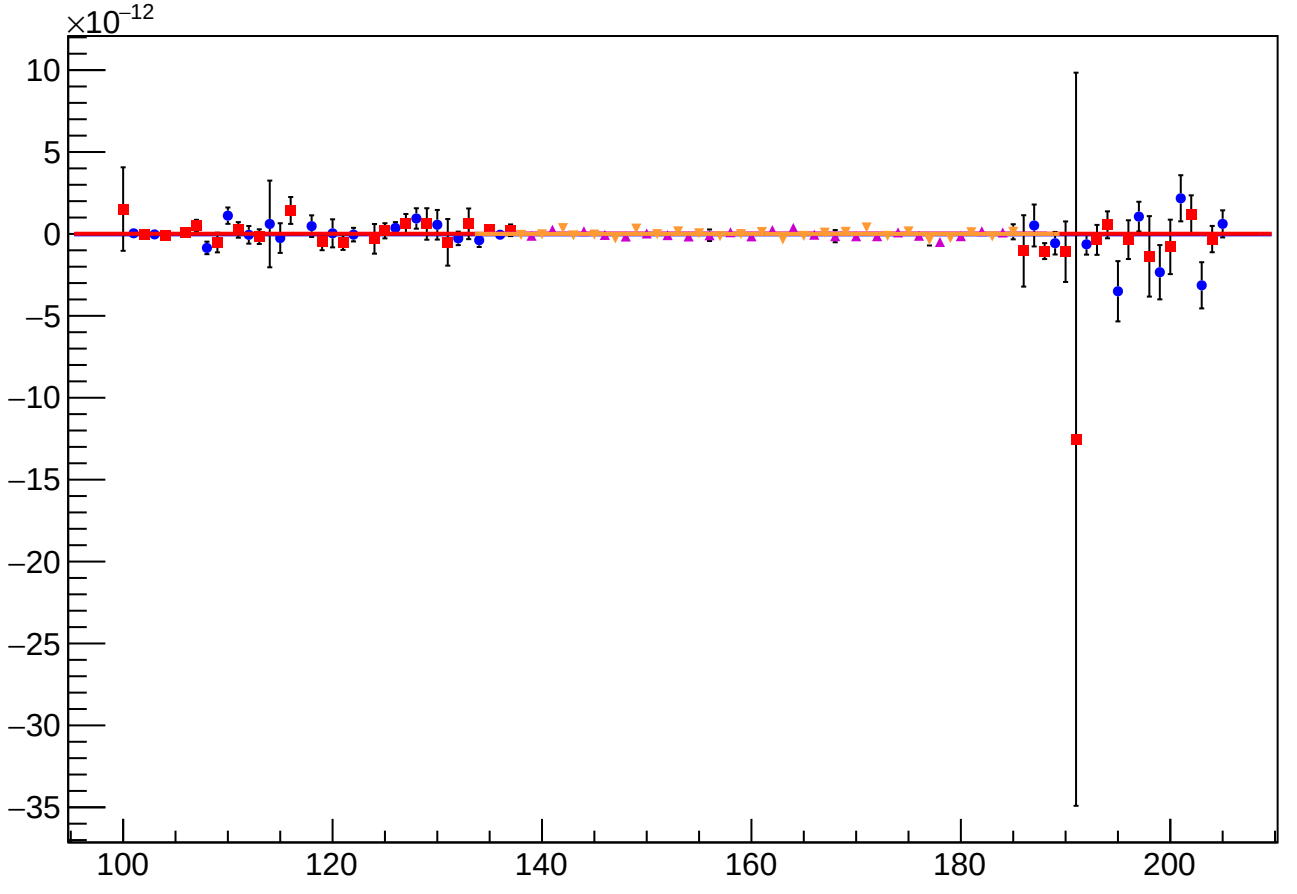
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5227.280+/-0.660 χ^2/NDF: 3581856.2/49

All: 5177.243+/-0.464 χ^2/NDF: 8140738.4/10

- sign 5128.327+/-0.652 χ^2/NDF: 4547505.3/52

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/29

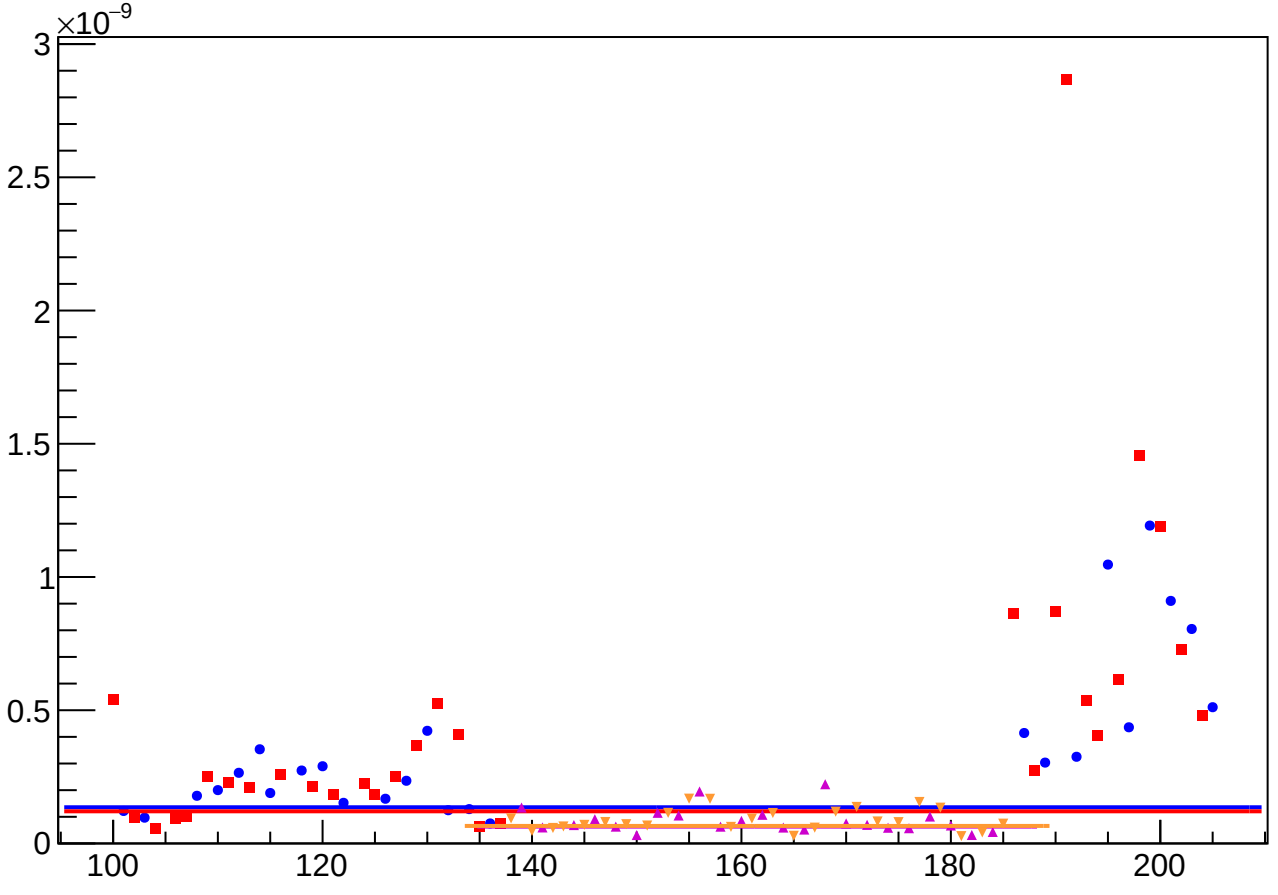
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.9/49

All: 0.000+/-0.000 χ^2/NDF: 121.9/102

- sign 0.000+/-0.000 χ^2/NDF: 55.7/52

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4609504.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6164920.0/29

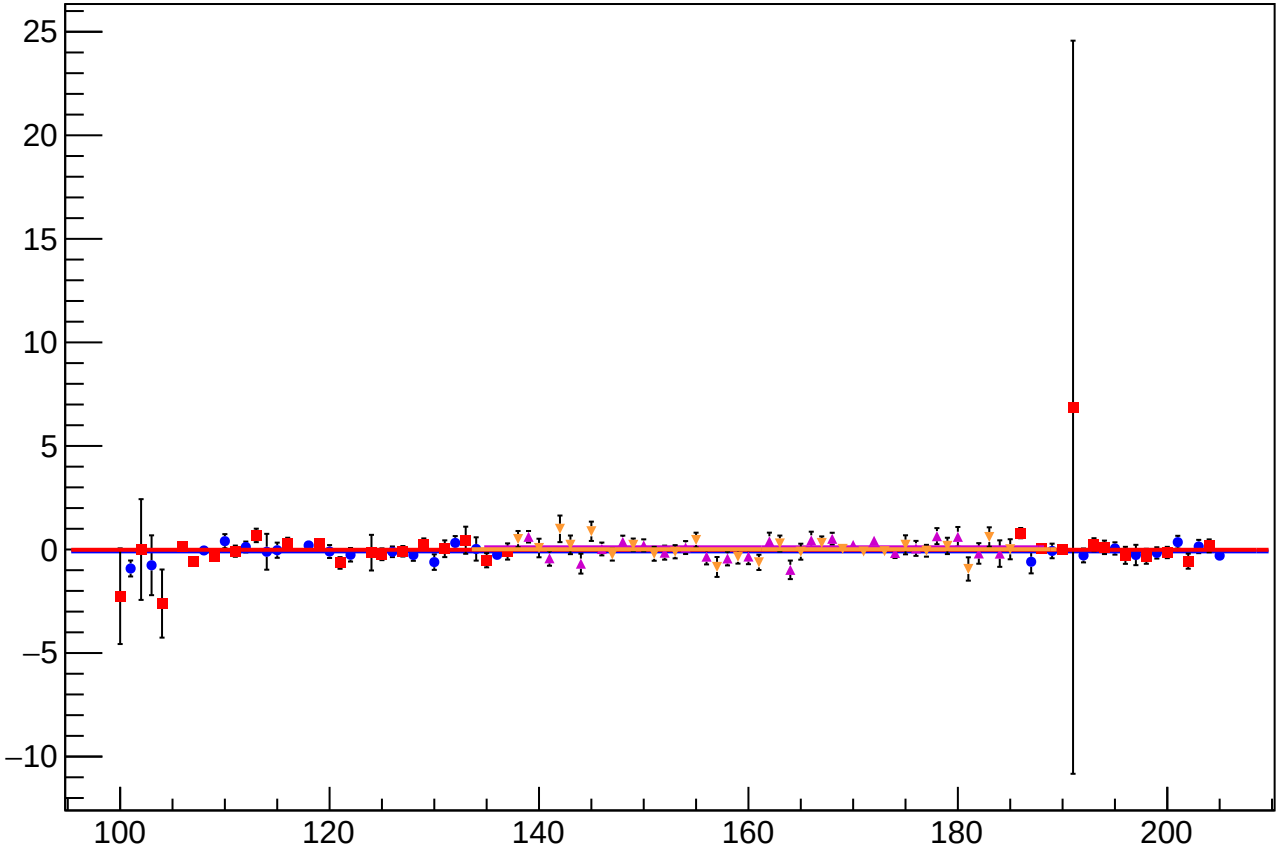
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8677994.9/49

All: 0.000+/-0.000 χ^2/NDF: 18207181.1/102

- sign 0.000+/-0.000 χ^2/NDF: 9509316.7/52

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

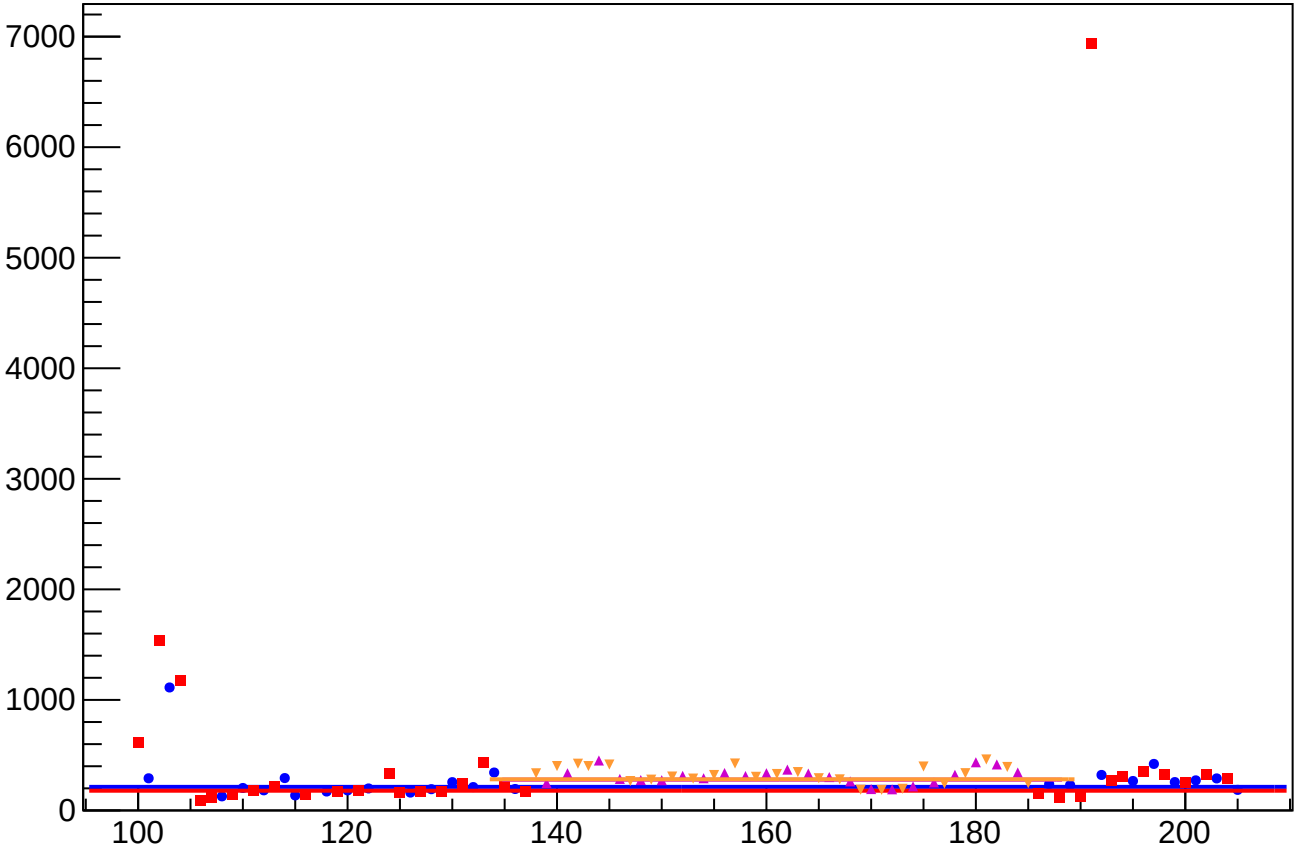
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.004+/-0.031 χ^2/NDF: 125.1/102

- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

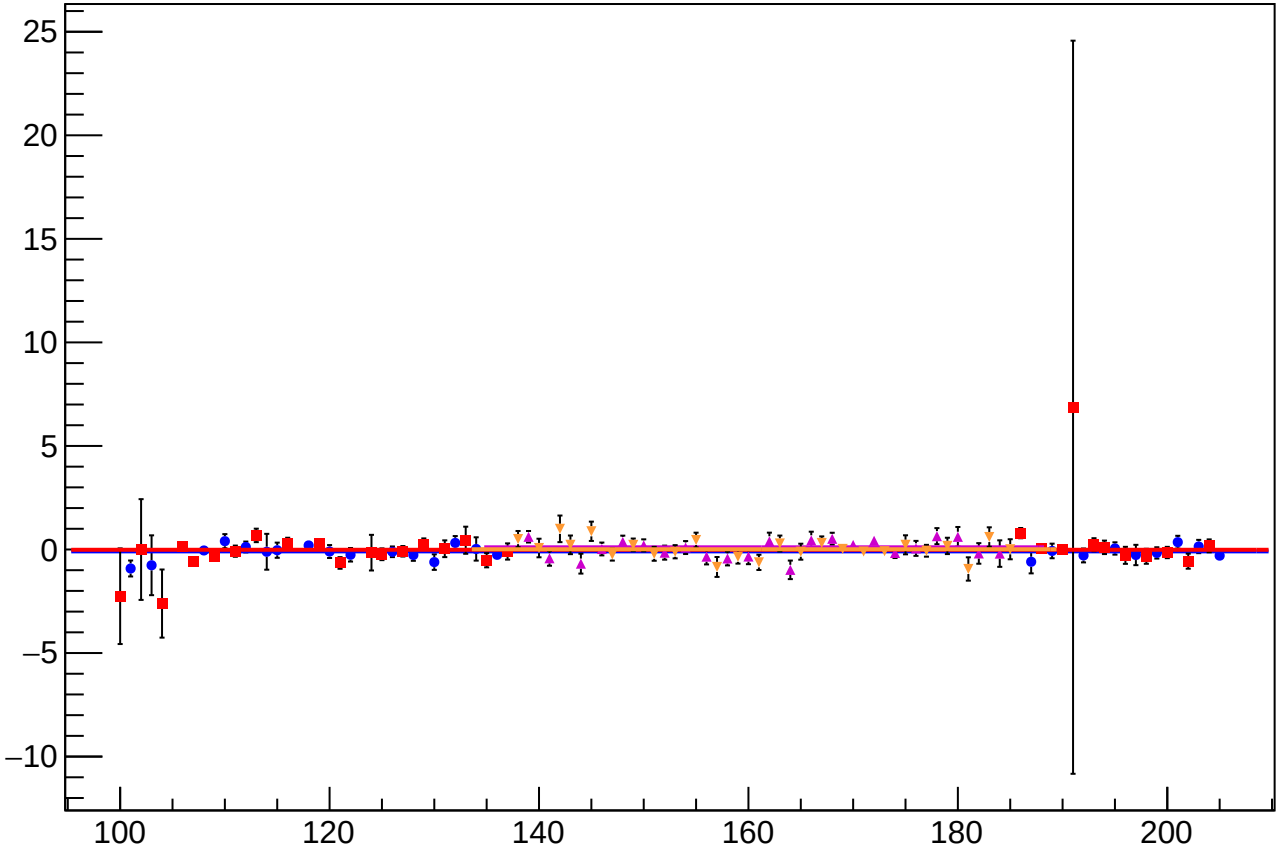
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 244.491+/-0.032 χ^2/NDF: 6183650.8/49

All: 228.779+/-0.022 χ^2/NDF: 16488431.2/10

- sign 215.717+/-0.030 χ^2/NDF: 9875369.0/52

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

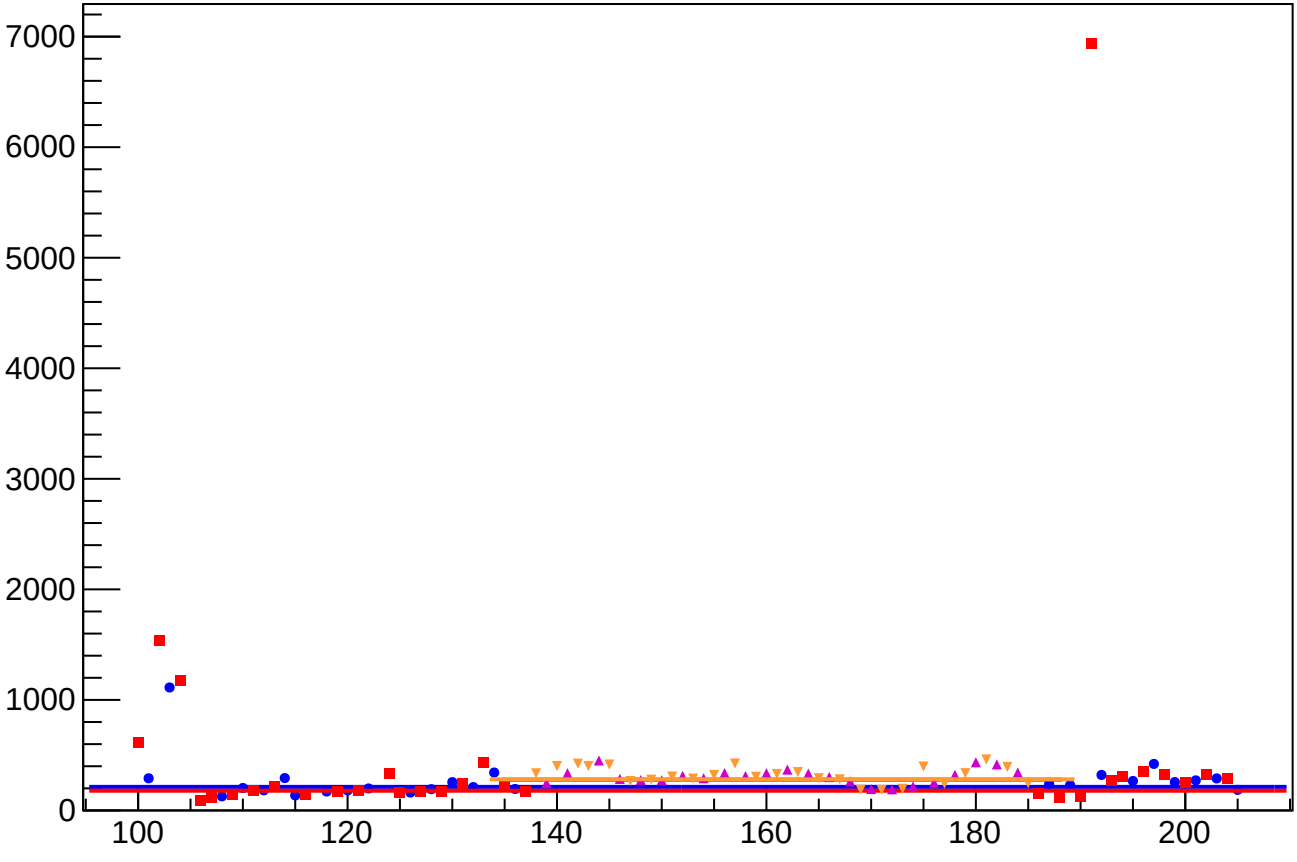
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.004+/-0.031 χ^2/NDF: 125.1/102

- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

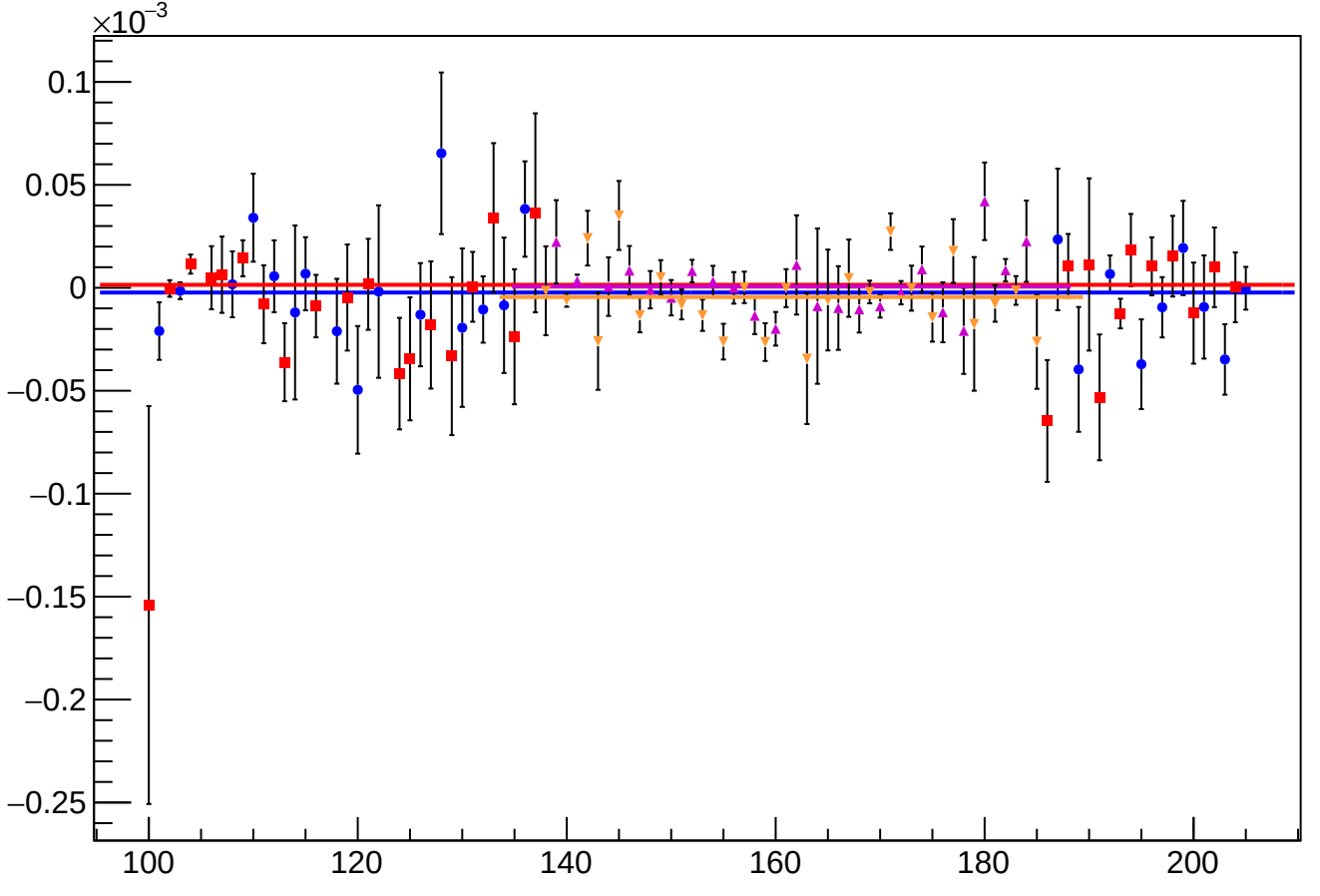
Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 244.491+/-0.032 χ^2/NDF: 6183650.8/49

All: 228.779+/-0.022 χ^2/NDF: 16488431.2/10

- sign 215.717+/-0.030 χ^2/NDF: 9875369.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.4/29

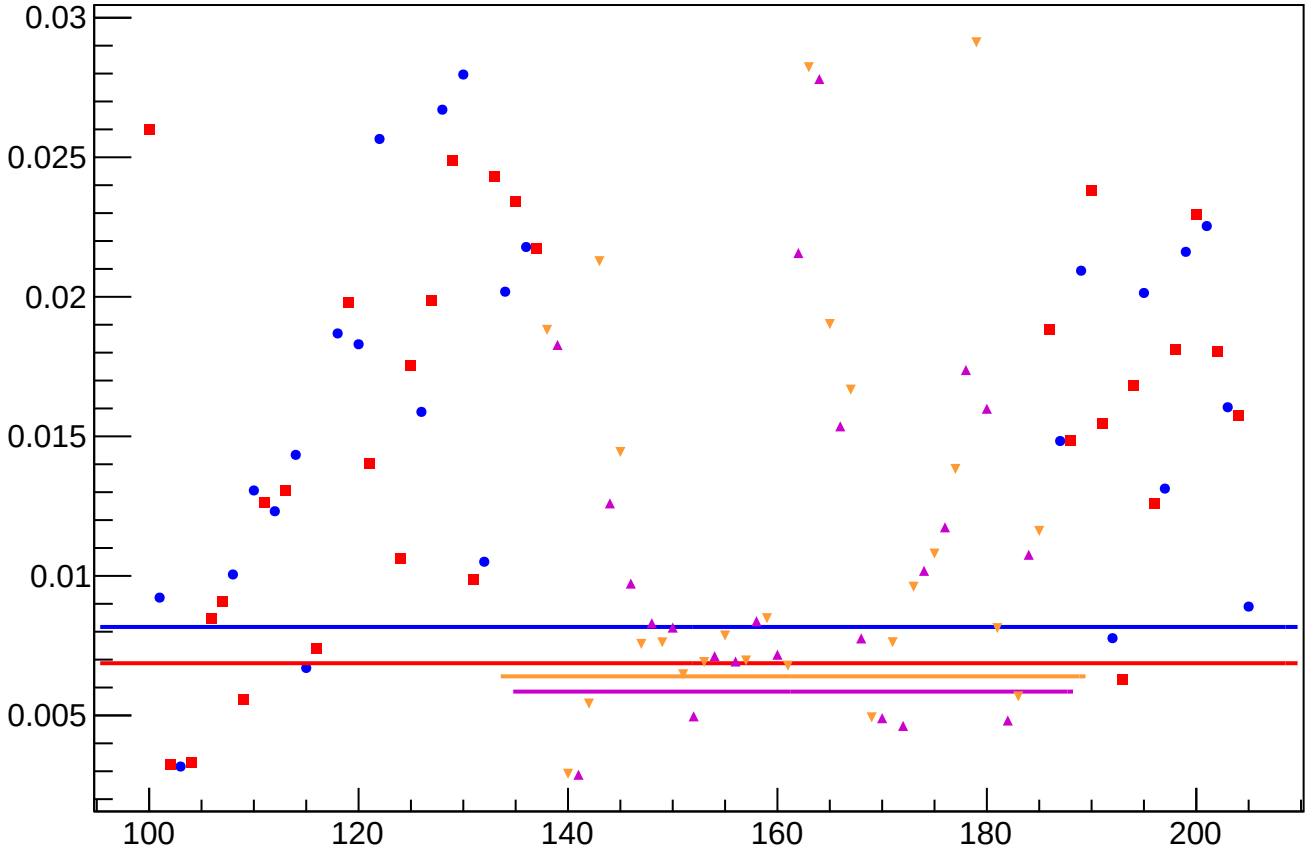
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/49

All: -0.000+/-0.000 χ^2/NDF: 143.6/102

- sign 0.000+/-0.000 χ^2/NDF: 65.5/52

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 9436824.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11466753.4/29

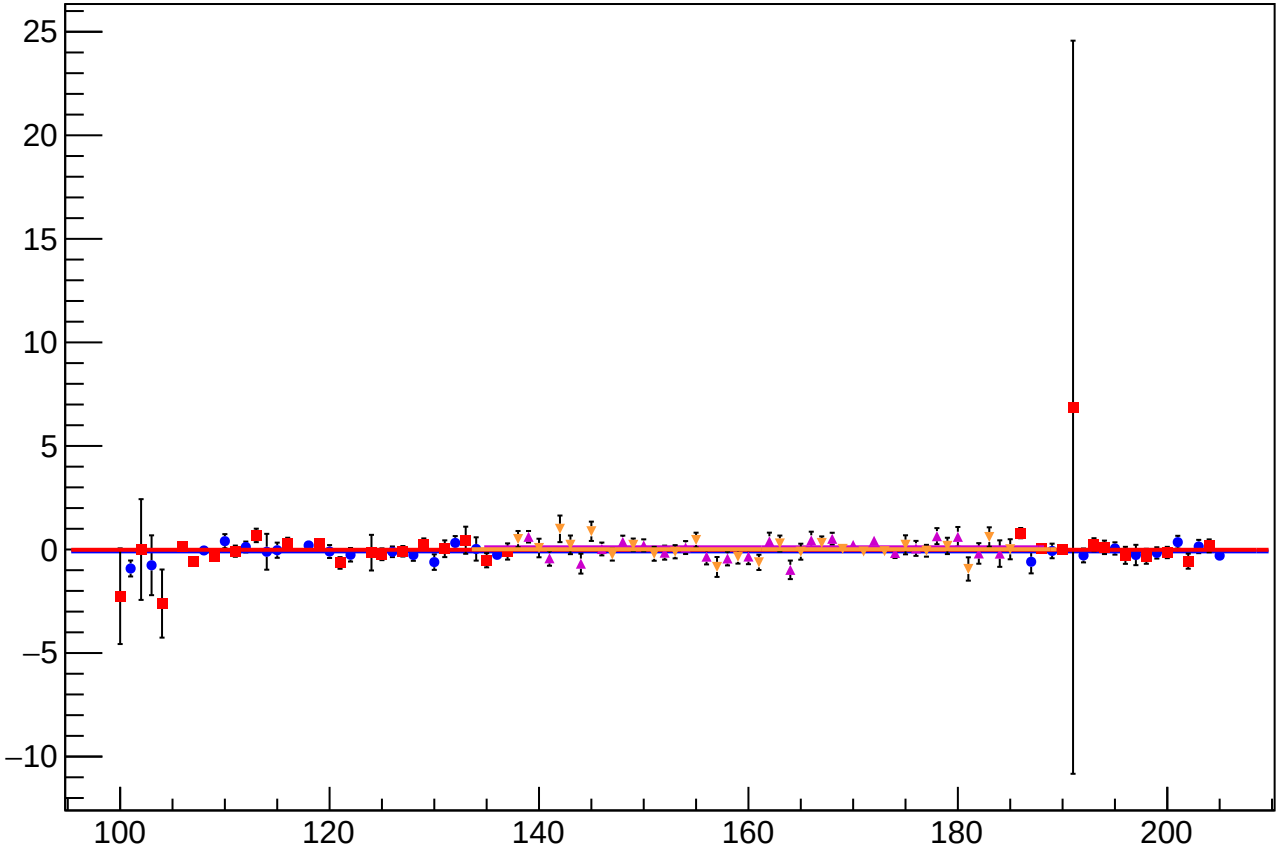
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 18984259.4/49

All: 0.007+/-0.000 χ^2/NDF: 39100818.3/102

- sign 0.006+/-0.000 χ^2/NDF: 19878089.2/52

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

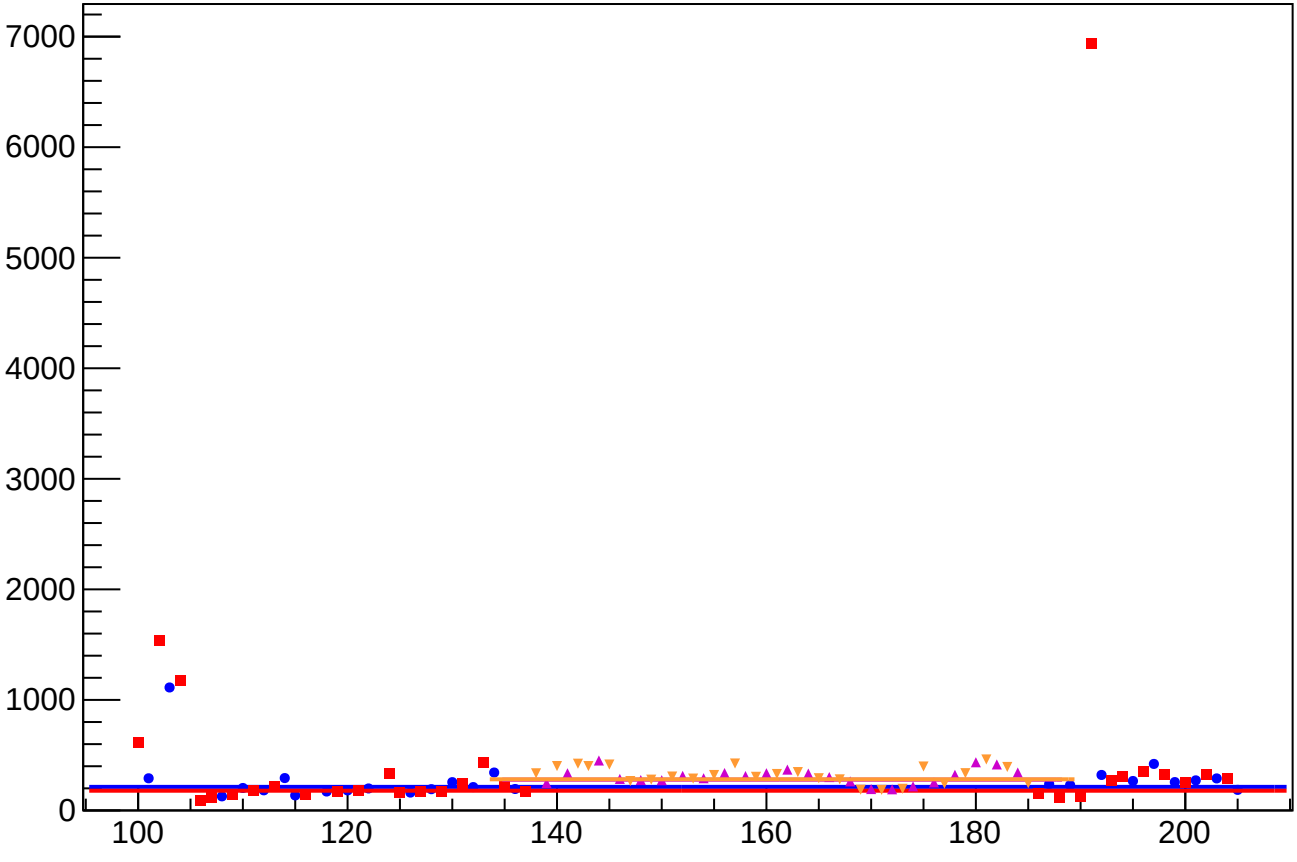
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.004+/-0.031 χ^2/NDF: 125.1/102

- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

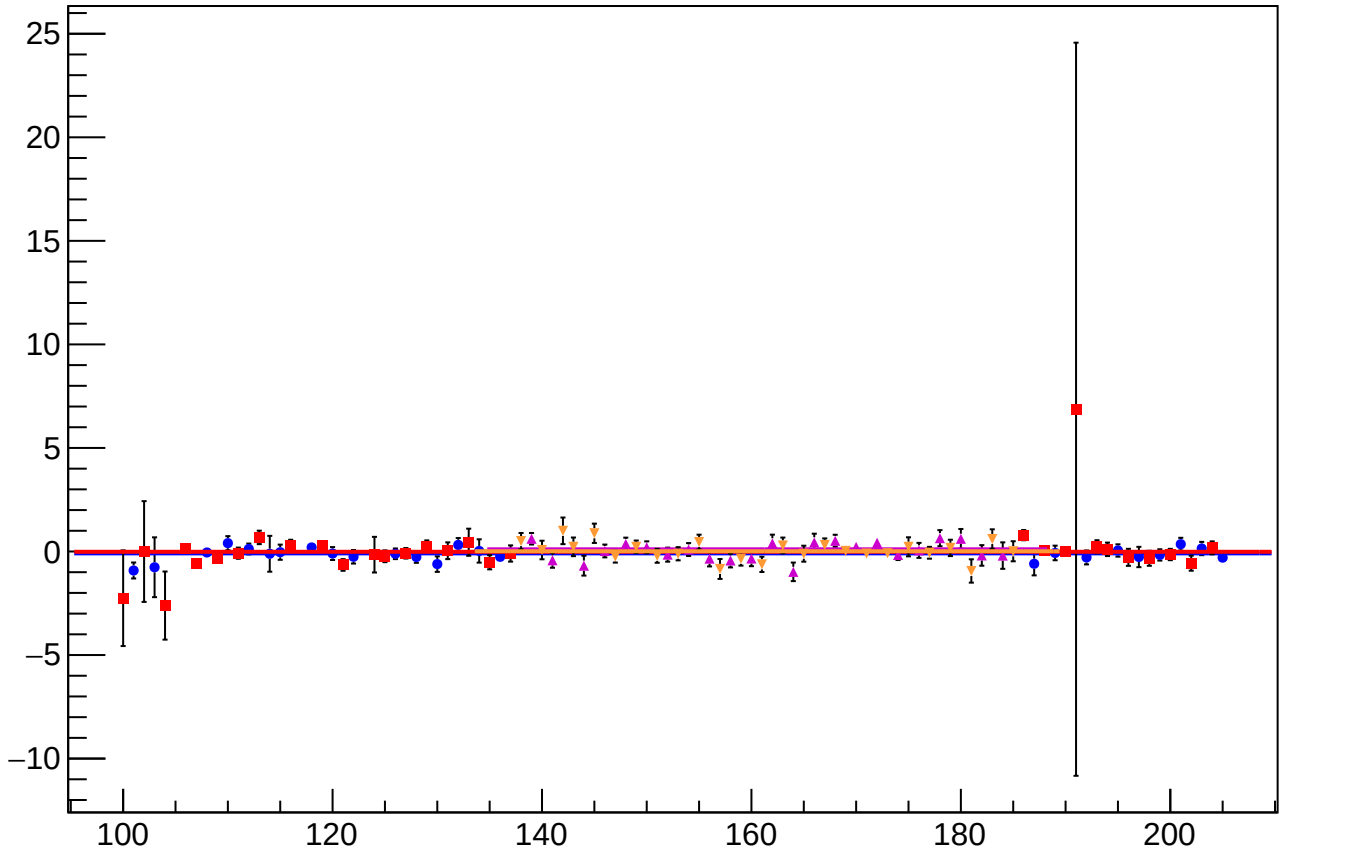
Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 244.492+/-0.032 χ^2/NDF: 6183811.6/49

All: 228.778+/-0.022 χ^2/NDF: 16489175.1/10

- sign 215.714+/-0.030 χ^2/NDF: 9875870.8/52



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.014+/-0.053 χ^2/NDF: 45.0/29

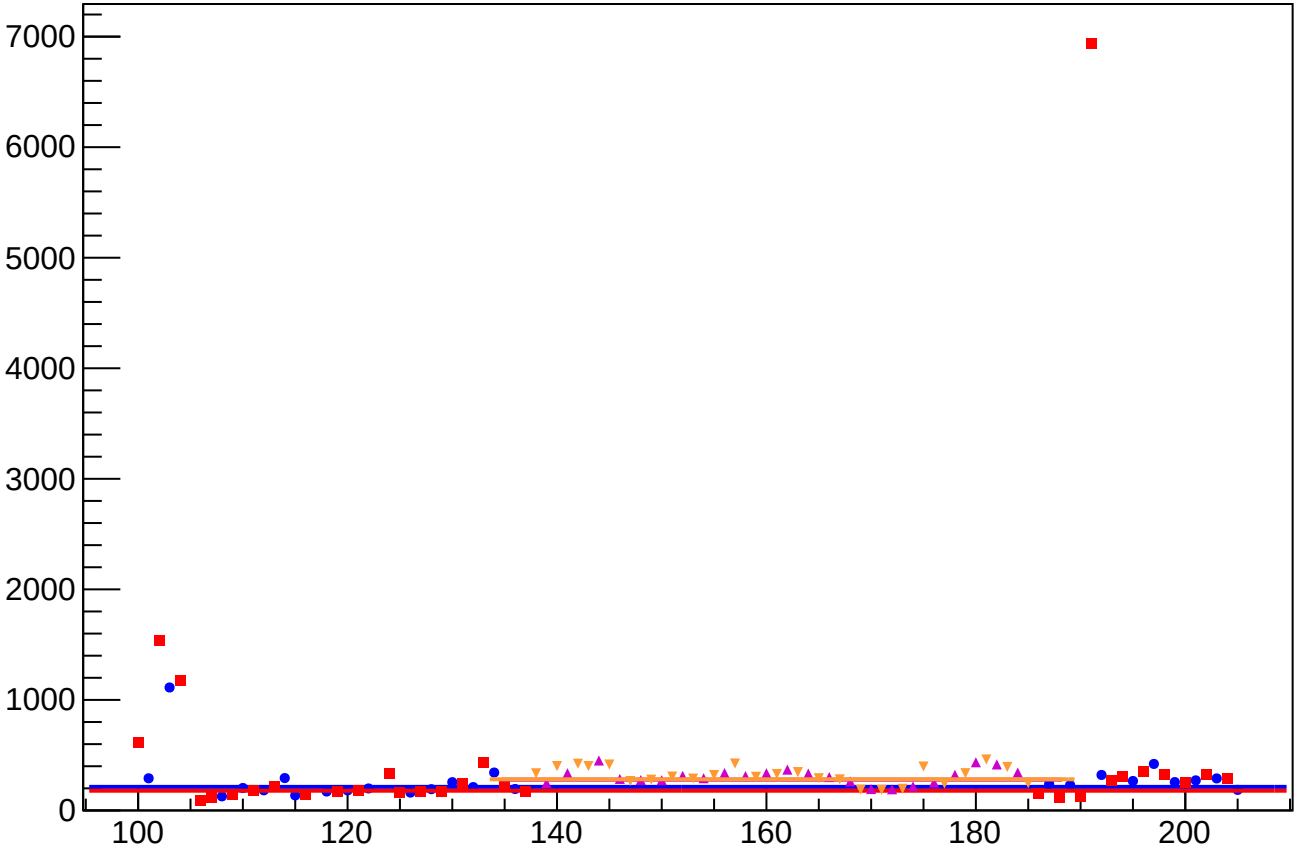
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.004+/-0.031 χ^2/NDF: 125.1/102

\- sign 0.030+/-0.042 χ^2/NDF: 78.3/52

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

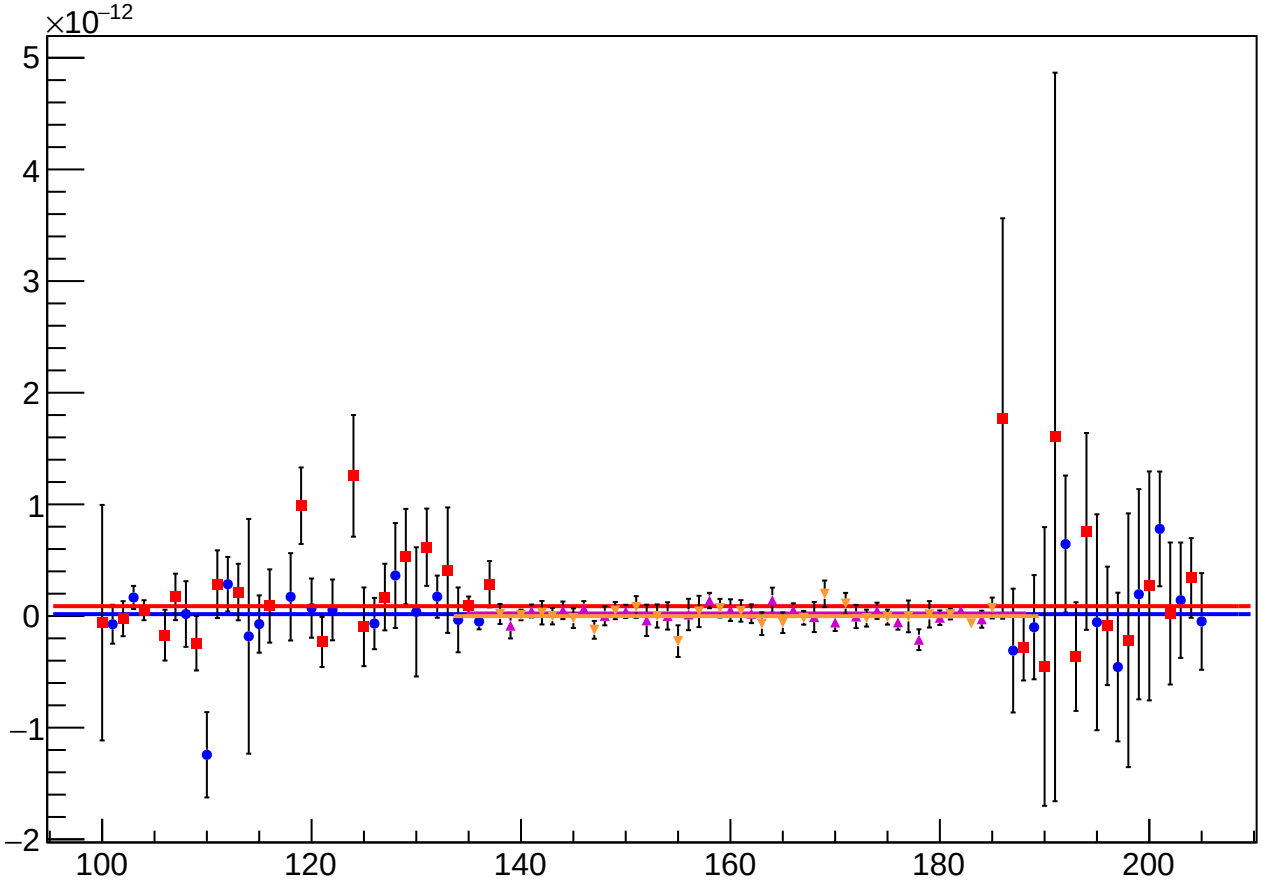
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 244.492+/-0.032 χ^2/NDF: 6183811.6/49

All: 228.778+/-0.022 χ^2/NDF: 16489175.1/10

- sign 215.714+/-0.030 χ^2/NDF: 9875870.8/52

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/29

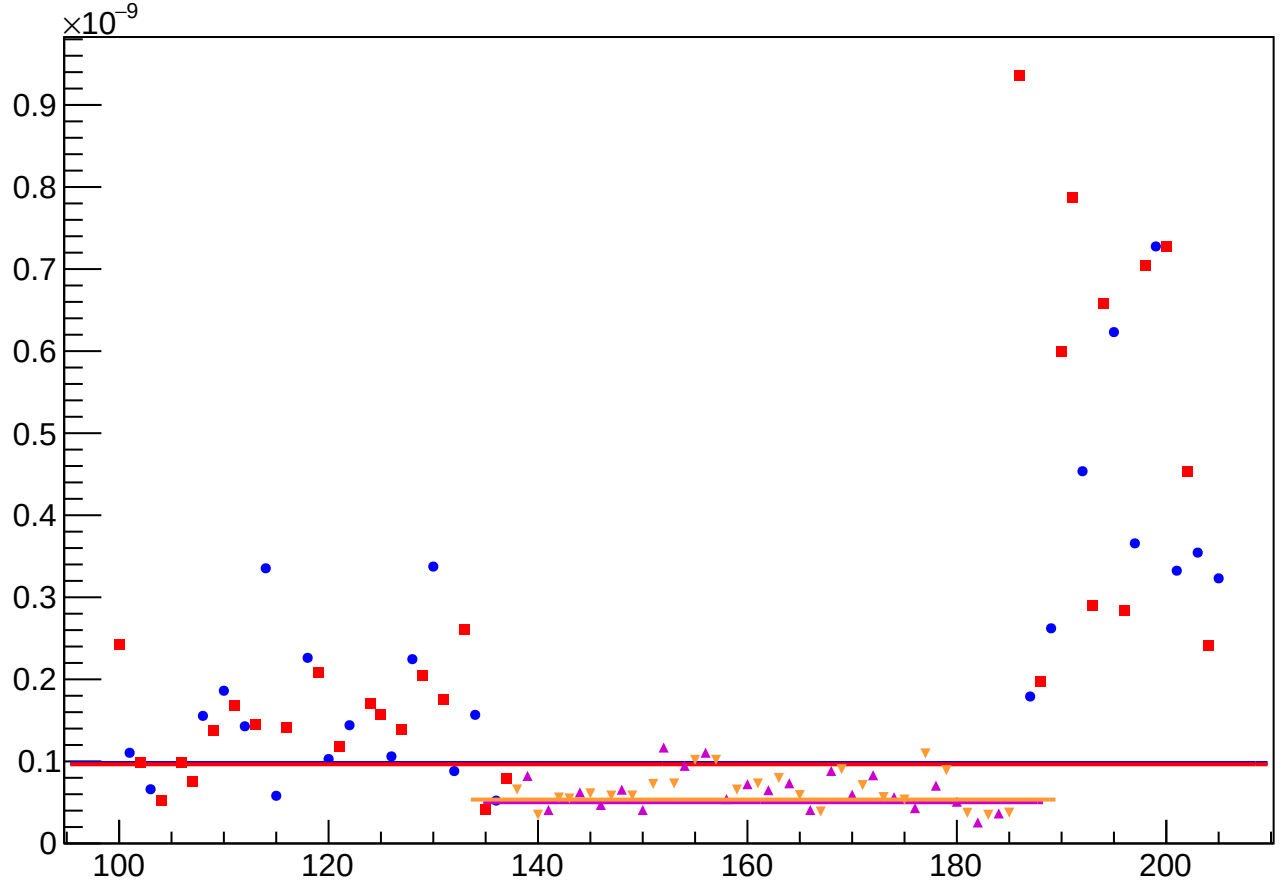
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/49

All: 0.000+/-0.000 χ^2/NDF: 86.0/102

- sign 0.000+/-0.000 χ^2/NDF: 47.1/52

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6524104.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235689.6/29

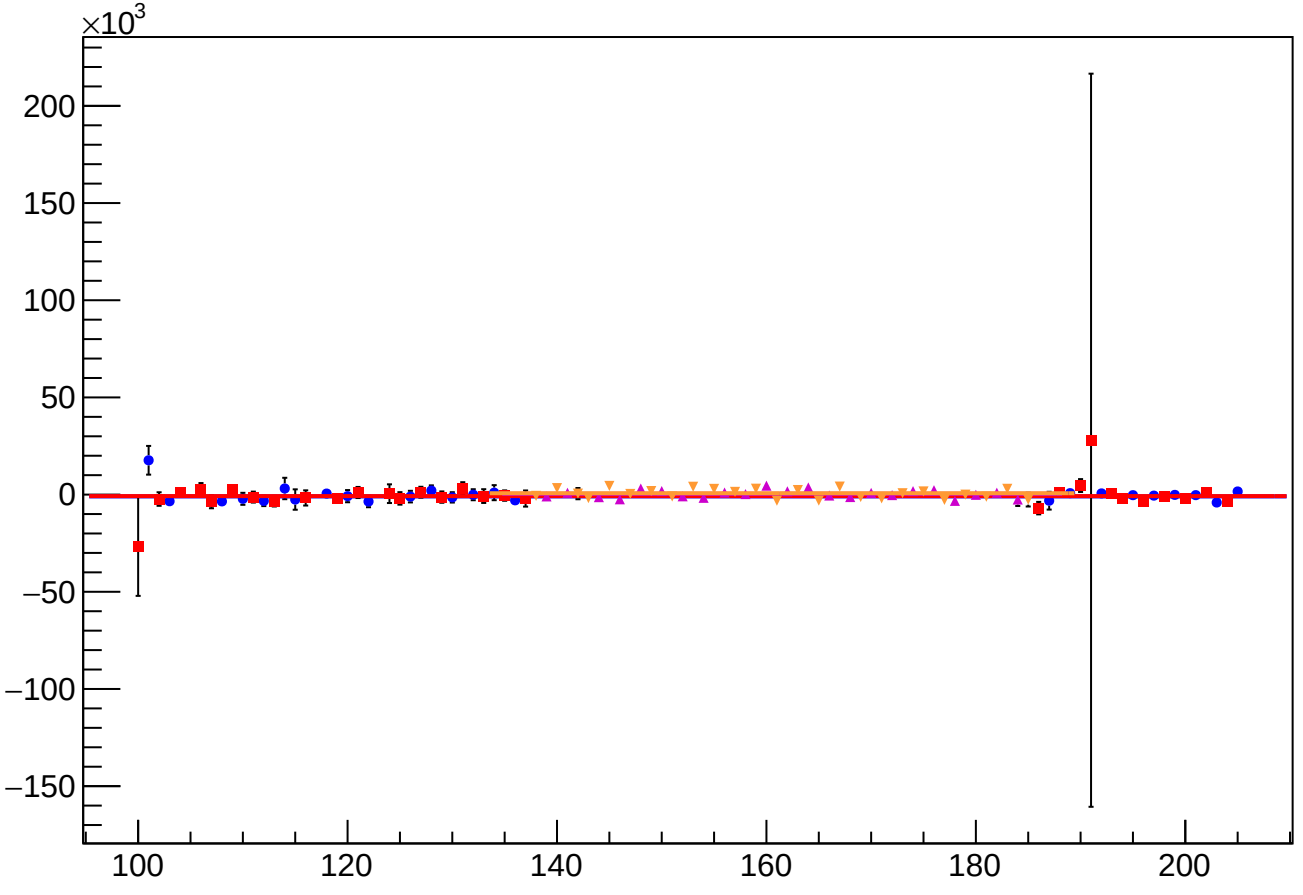
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11107645.2/49

All: 0.000+/-0.000 χ^2/NDF: 23781667.1/102

- sign 0.000+/-0.000 χ^2/NDF: 12631471.3/52

reg_asym_atr_dd_mean vs Slug



Right In: -934.674+/-518.933 χ^2/NDF: 19.5/24

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -771.800+/-500.020 χ^2/NDF: 22.5/29

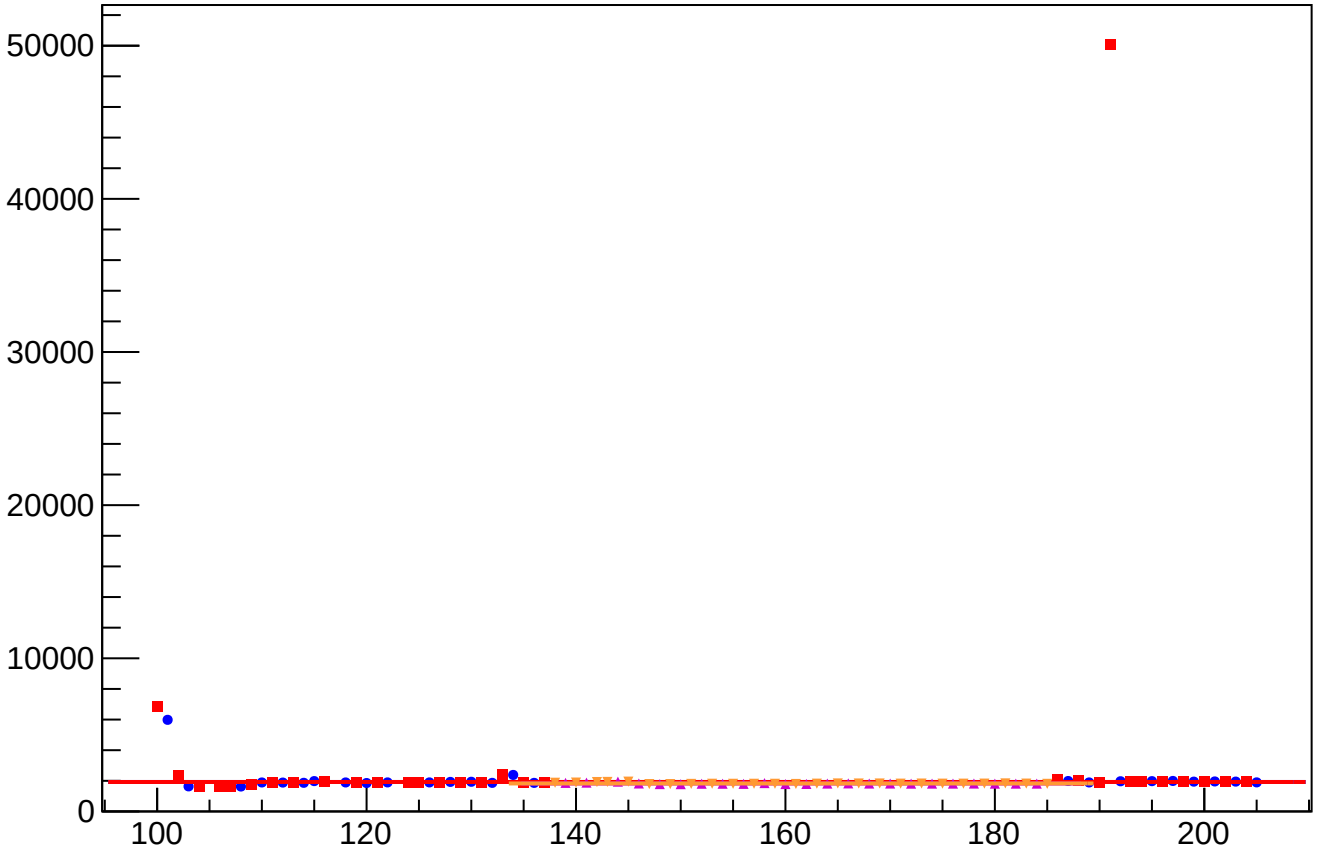
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 65.134+/-324.288 χ^2/NDF: 57.5/49

All: -13.061+/-229.334 χ^2/NDF: 104.0/102

- sign -91.295+/-324.366 χ^2/NDF: 46.4/52

reg_asym_atr_dd_rms vs Slug



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.3/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

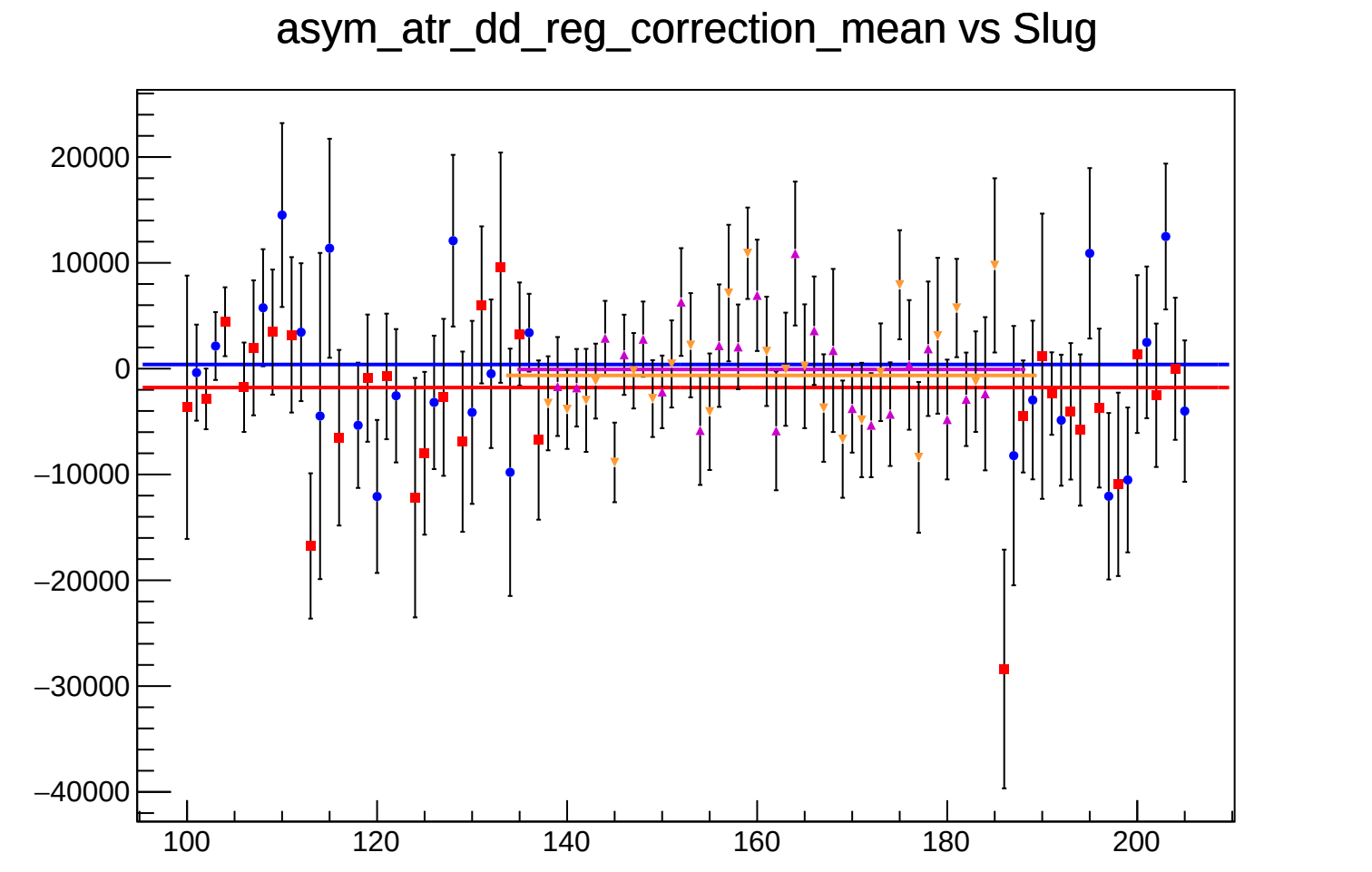
Right Out: 1924.247+/-0.353 χ^2/NDF: 375087.9/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.852+/-0.229 χ^2/NDF: 767780.7/49

All: 1866.398+/-0.162 χ^2/NDF: 1201815.0/10

- sign 1866.943+/-0.229 χ^2/NDF: 434023.0/52



Right In: 392.163+/-1266.565 χ^2/NDF: 25.4/24

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1784.146+/-1093.286 χ^2/NDF: 23.9/29

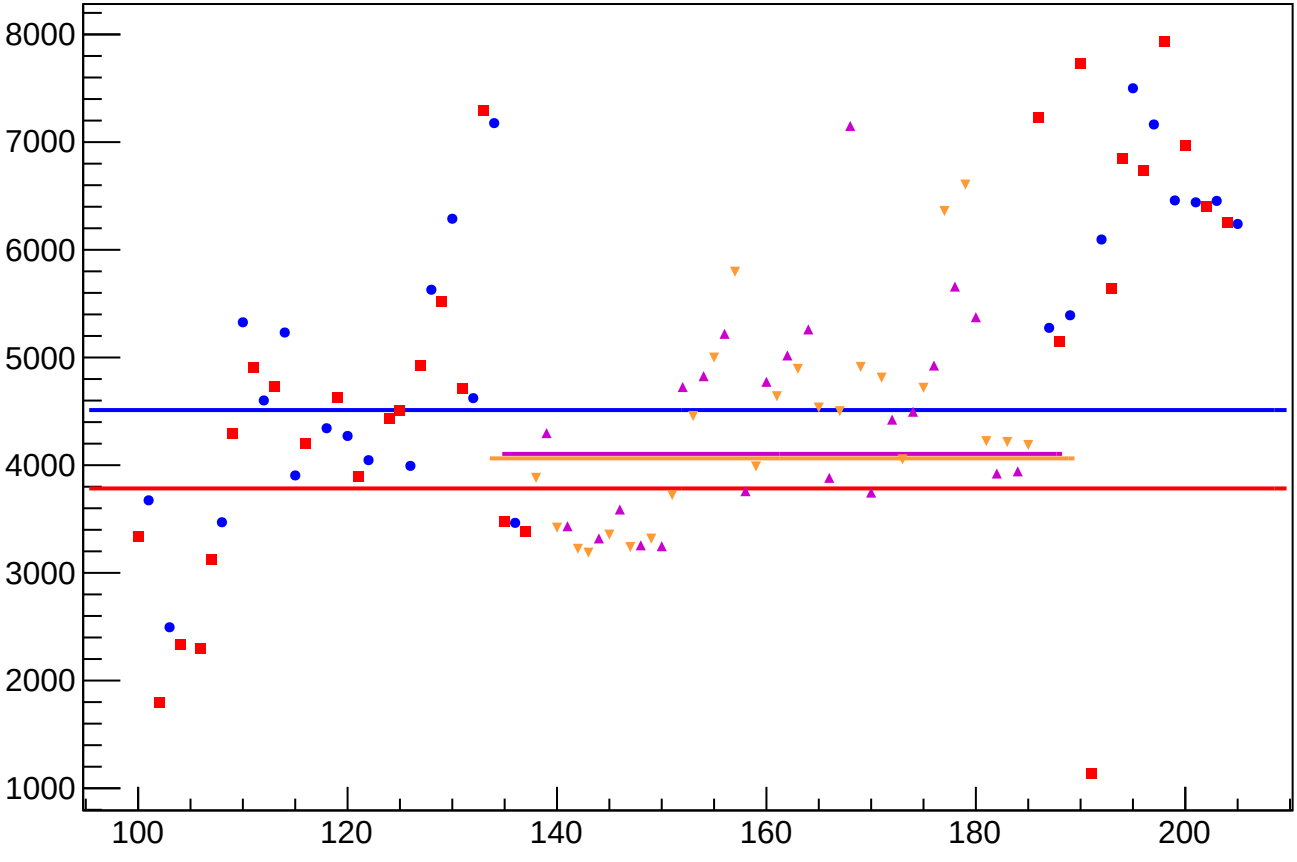
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -268.480+/-758.371 χ^2/NDF: 51.8/49

All: -563.684+/-525.872 χ^2/NDF: 92.8/102

- sign -837.095+/-729.841 χ^2/NDF: 40.7/52

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4511.831+/-0.896 χ^2/NDF: 2644612.8/24

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

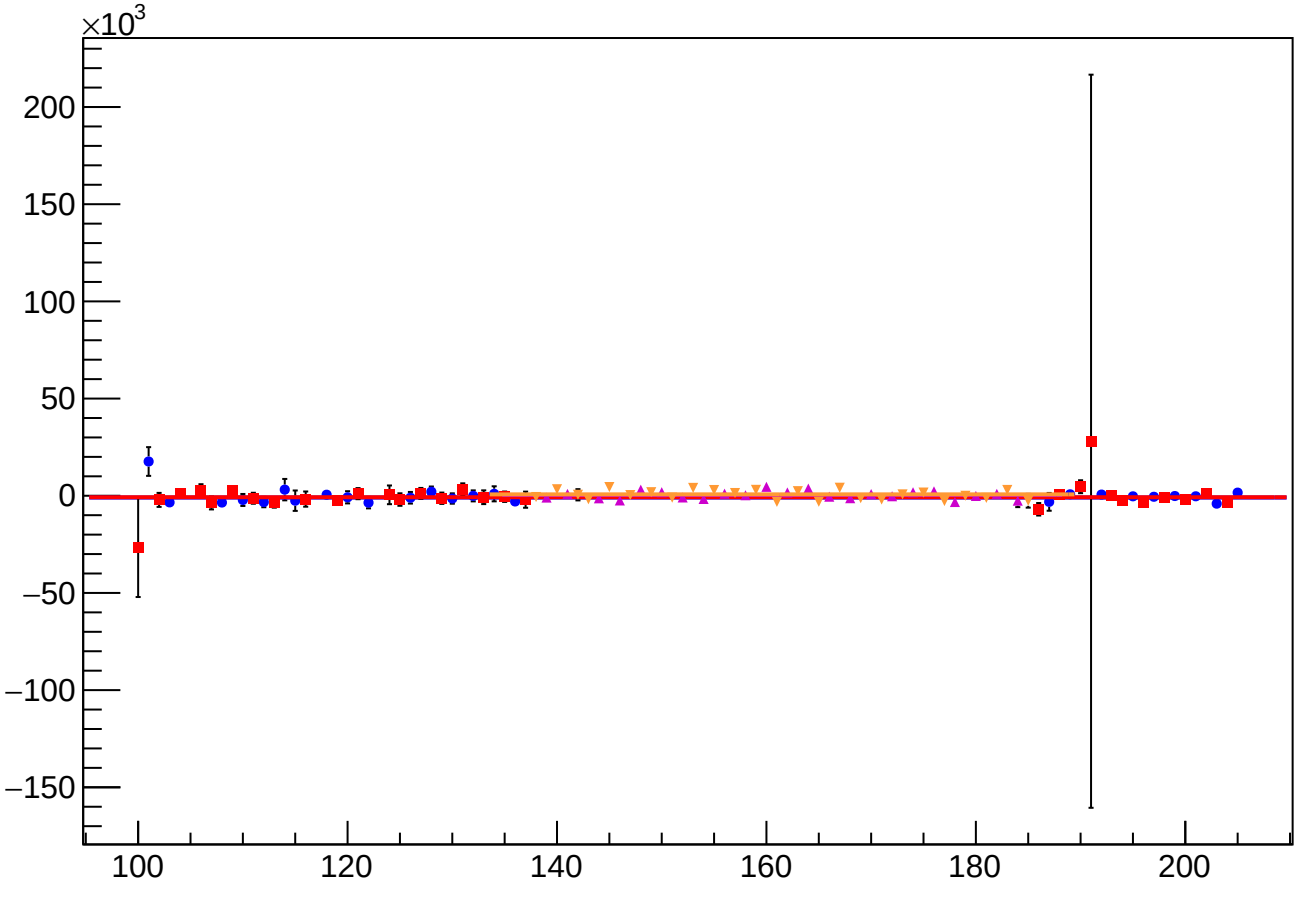
Right Out: 3784.177+/-0.773 χ^2/NDF: 5825929.3/29

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4223.983+/-0.536 χ^2/NDF: 4210683.0/49

All: 4088.001+/-0.372 χ^2/NDF: 11615470.2/1

- sign 3962.059+/-0.516 χ^2/NDF: 7280930.1/52



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -767.075+/-500.361 χ^2/NDF: 22.4/29

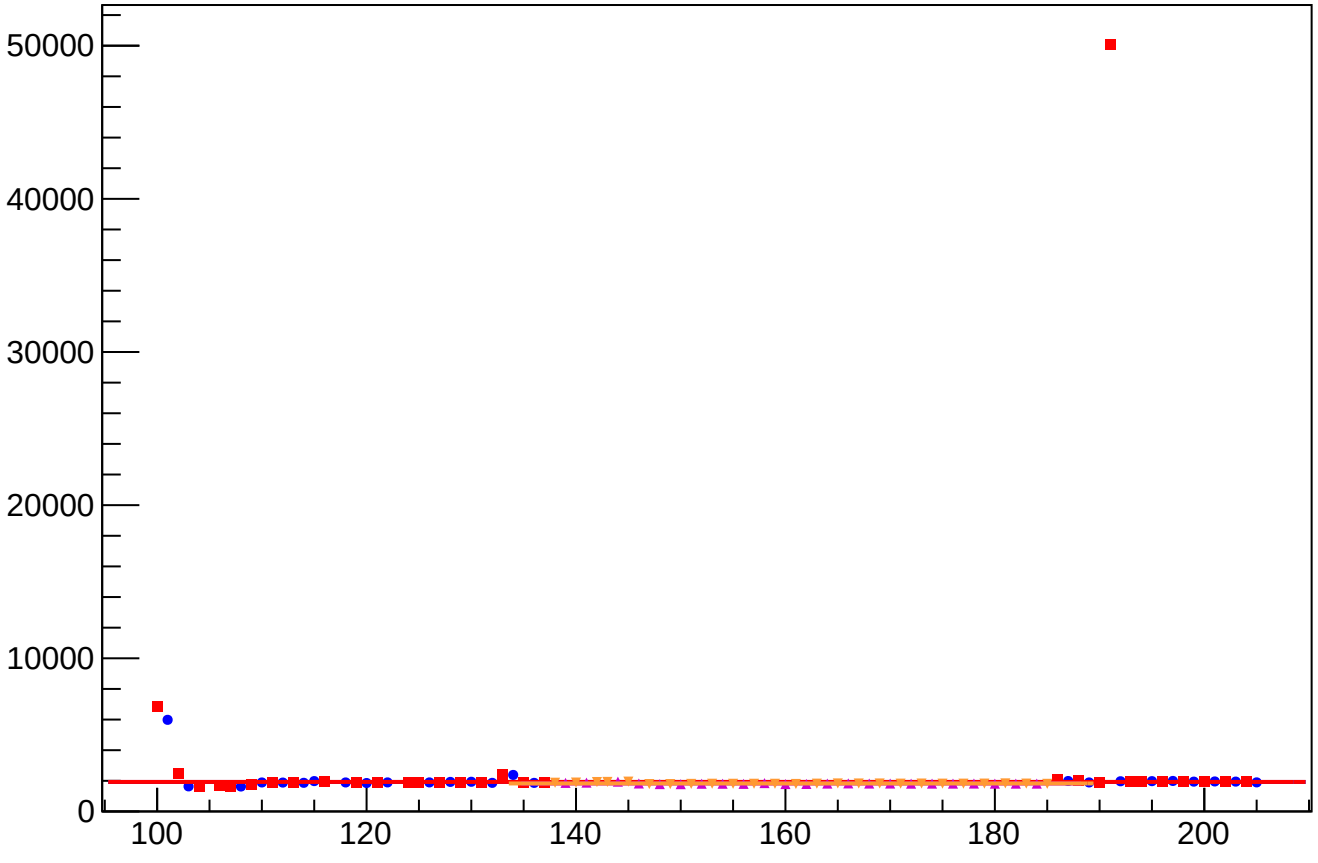
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 65.087+/-324.288 χ^2/NDF: 57.5/49

All: -11.922+/-229.367 χ^2/NDF: 103.9/102

- sign -89.013+/-324.459 χ^2/NDF: 46.3/52

cor_asym_atr_dd_rms vs Slug



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

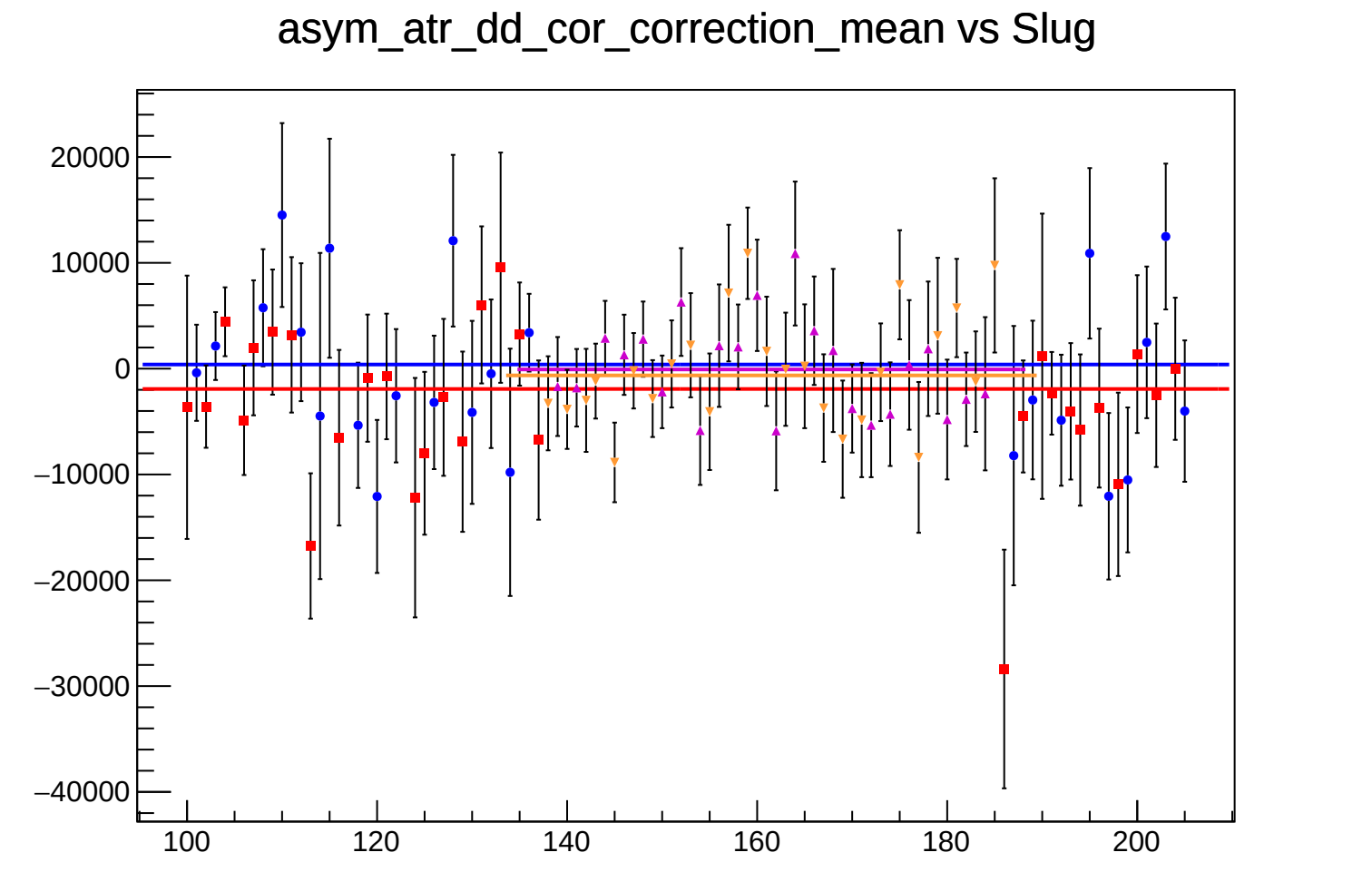
Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.852+/-0.229 χ^2/NDF: 767780.8/49

All: 1867.112+/-0.162 χ^2/NDF: 1211315.7/10

- sign 1868.374+/-0.229 χ^2/NDF: 443474.4/52



Right In: 391.138+/-1266.673 χ^2/NDF: 25.4/24

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1920.694+/-1145.450 χ^2/NDF: 24.3/29

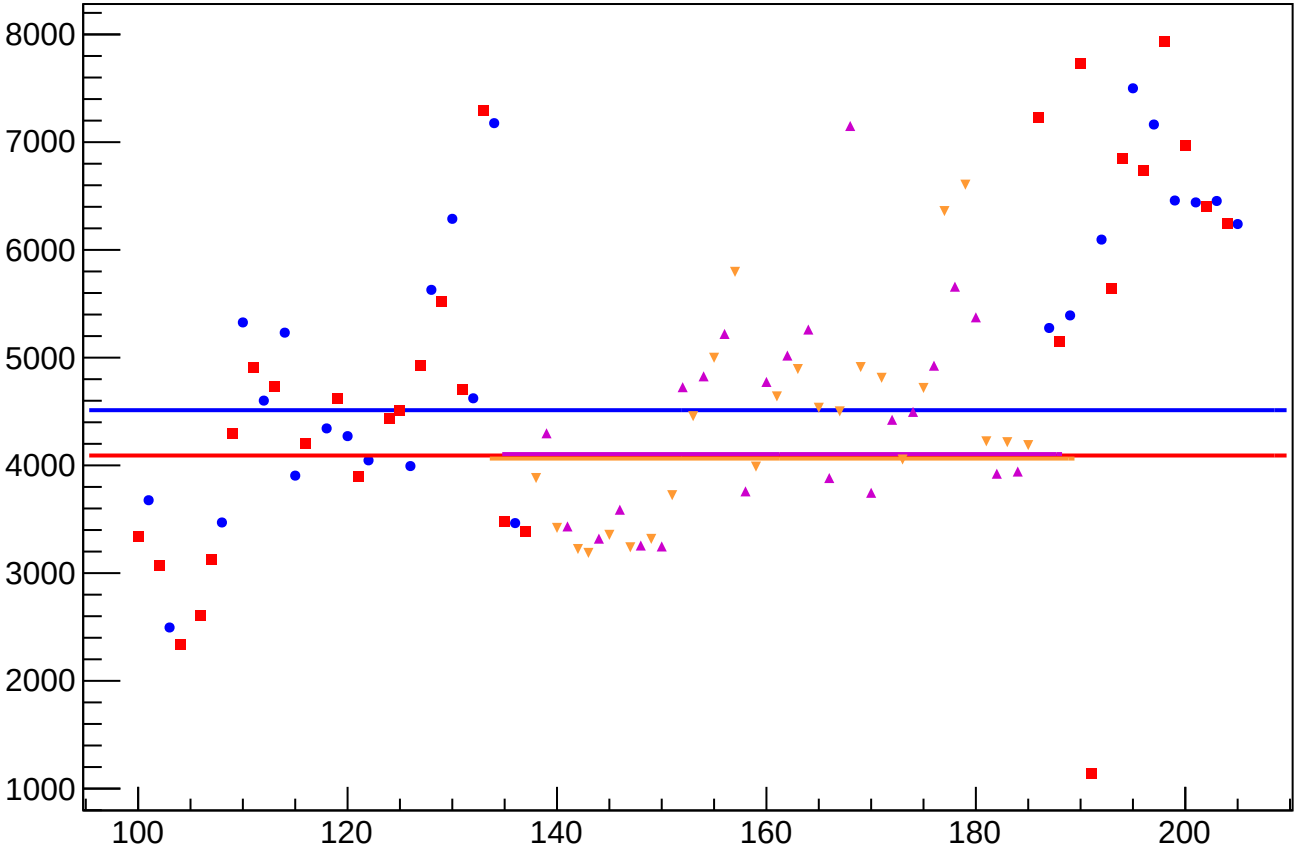
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -268.899+/-758.394 χ^2/NDF: 51.8/49

All: -567.630+/-531.379 χ^2/NDF: 93.3/102

- sign -855.717+/-744.760 χ^2/NDF: 41.3/52

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

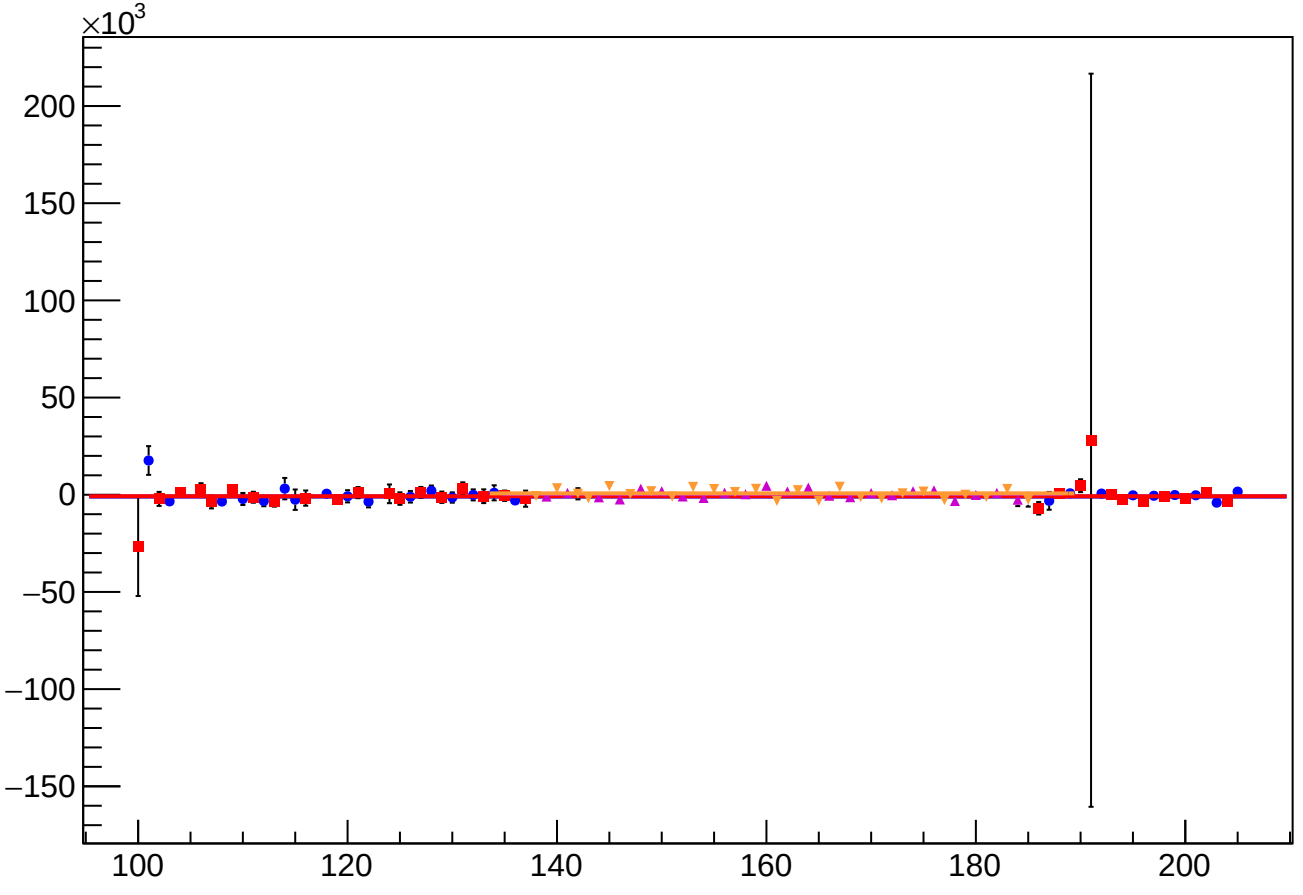
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4224.143+/-0.536 χ^2/NDF: 4209806.6/49

All: 4160.631+/-0.376 χ^2/NDF: 10237542.2/1

- sign 4099.382+/-0.527 χ^2/NDF: 6000182.3/52

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -767.075+/-500.361 χ^2/NDF: 22.4/29

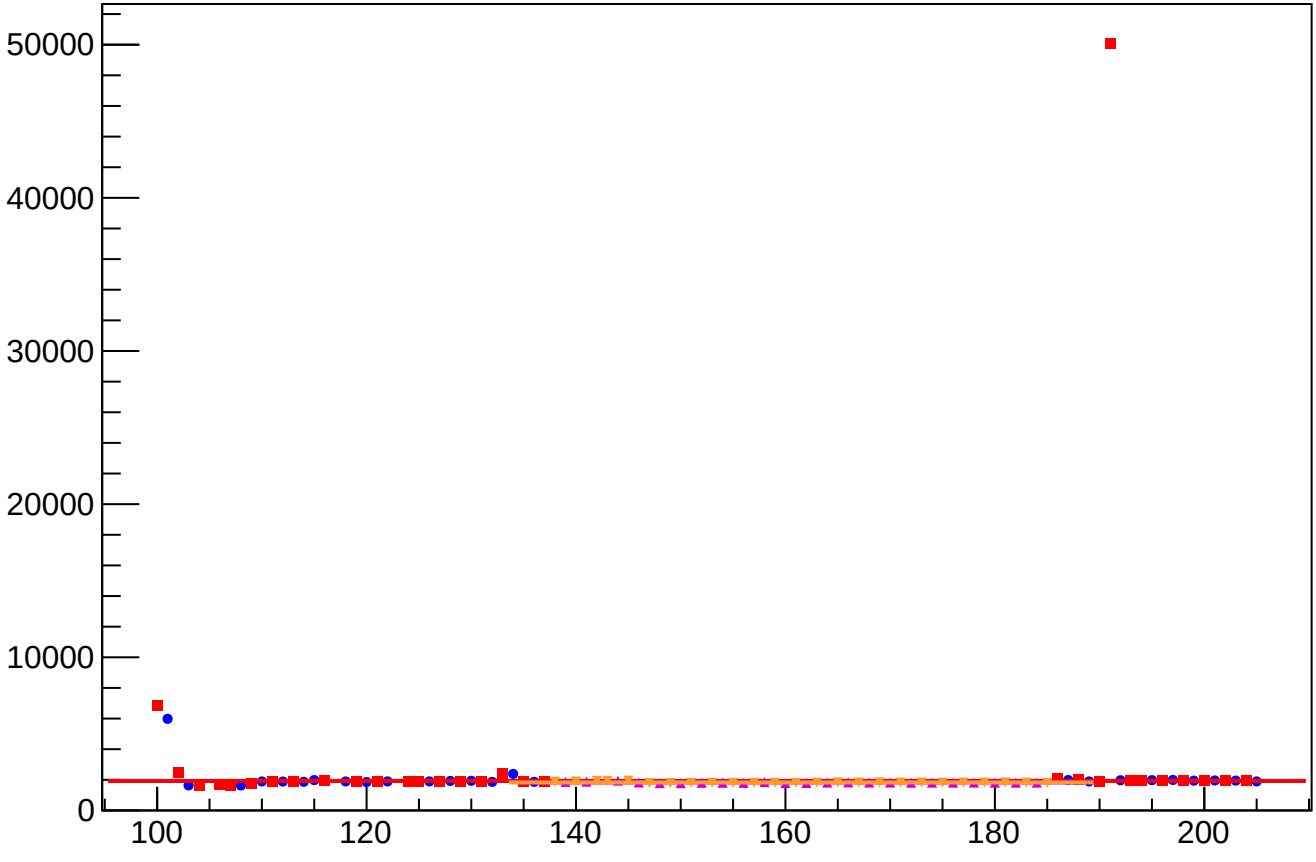
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 65.087+/-324.288 χ^2/NDF: 57.5/49

All: -11.922+/-229.367 χ^2/NDF: 103.9/102

- sign -89.013+/-324.459 χ^2/NDF: 46.3/52

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

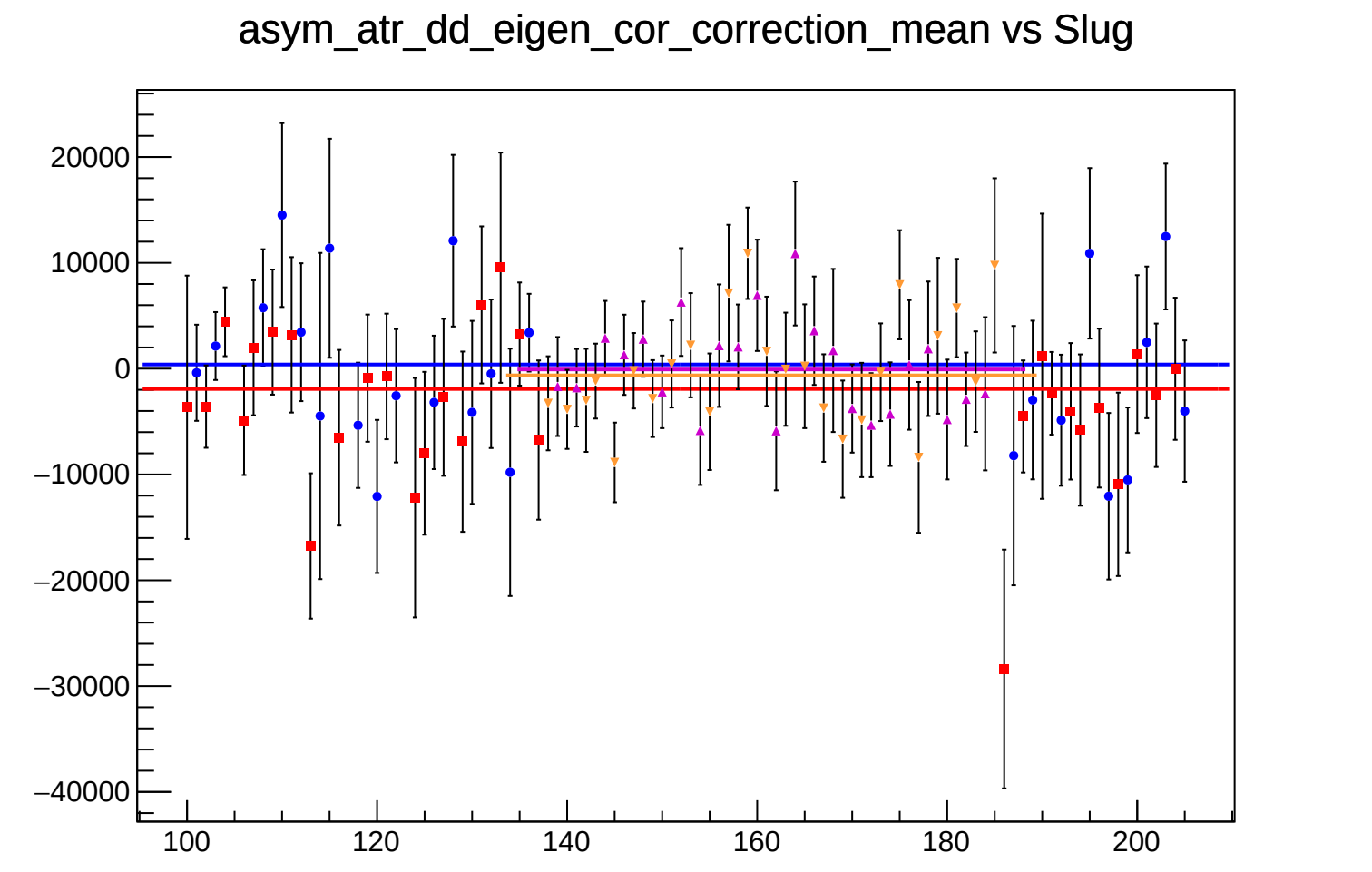
Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.852+/-0.229 χ^2/NDF: 767780.8/49

All: 1867.112+/-0.162 χ^2/NDF: 1211315.7/10

- sign 1868.374+/-0.229 χ^2/NDF: 443474.4/52



Right In: 391.138+/-1266.673 χ^2/NDF: 25.4/24

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1920.694+/-1145.450 χ^2/NDF: 24.3/29

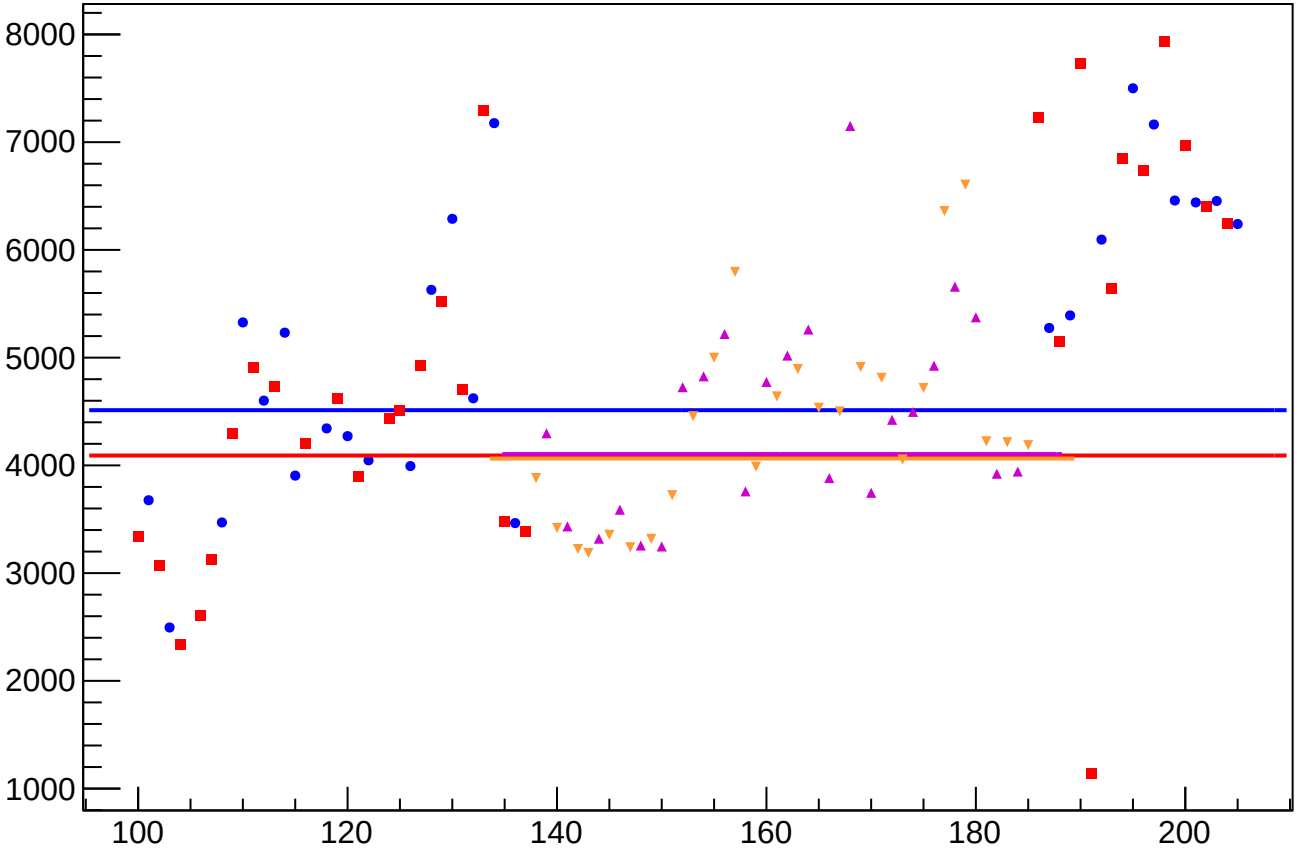
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -268.899+/-758.394 χ^2/NDF: 51.8/49

All: -567.630+/-531.379 χ^2/NDF: 93.3/102

- sign -855.717+/-744.760 χ^2/NDF: 41.3/52

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

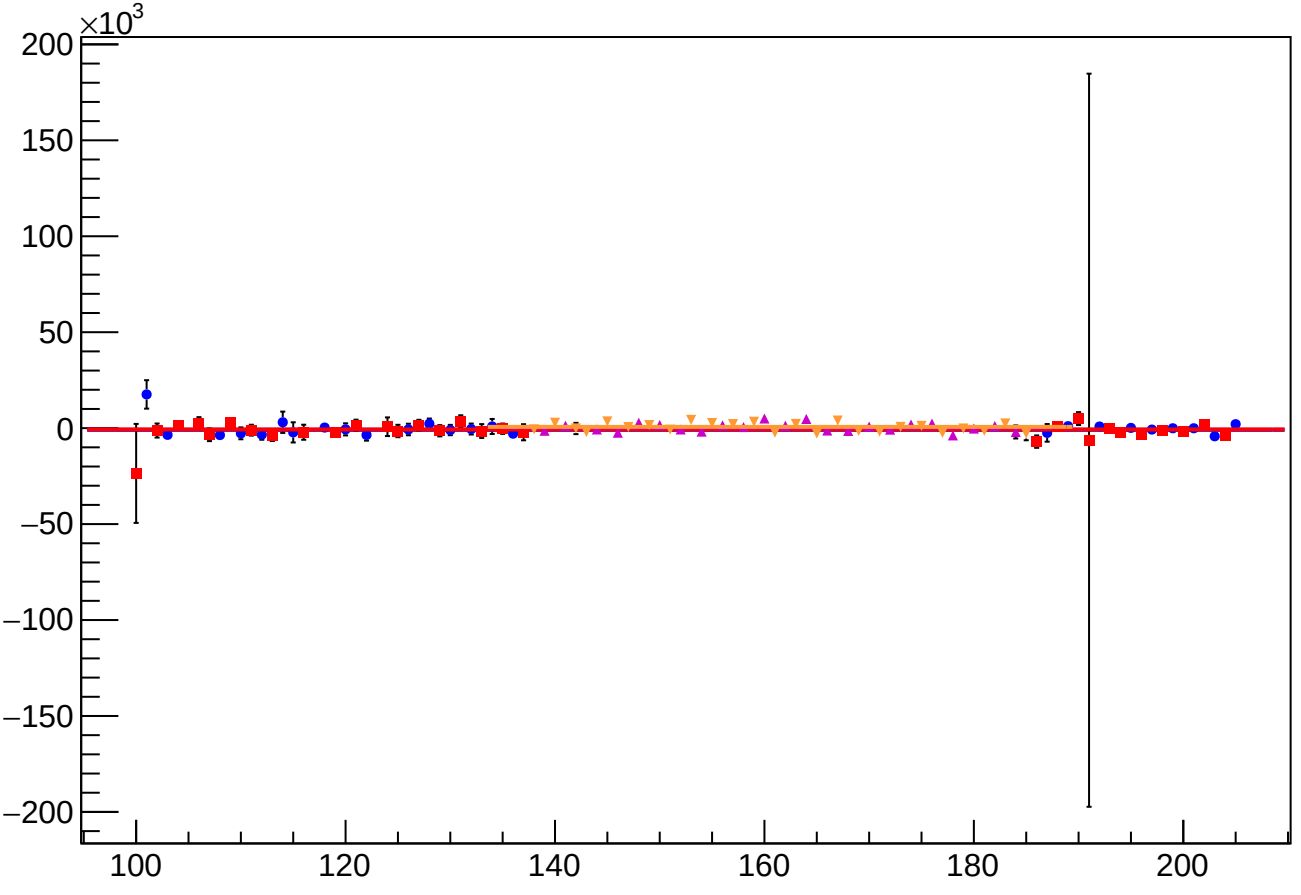
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4224.143+/-0.536 χ^2/NDF: 4209806.6/49

All: 4160.631+/-0.376 χ^2/NDF: 10237542.2/1

- sign 4099.382+/-0.527 χ^2/NDF: 6000182.3/52

dit_asym_atr_dd_mean vs Slug



Right In: -858.270+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -689.286+/-505.349 χ^2/NDF: 24.5/29

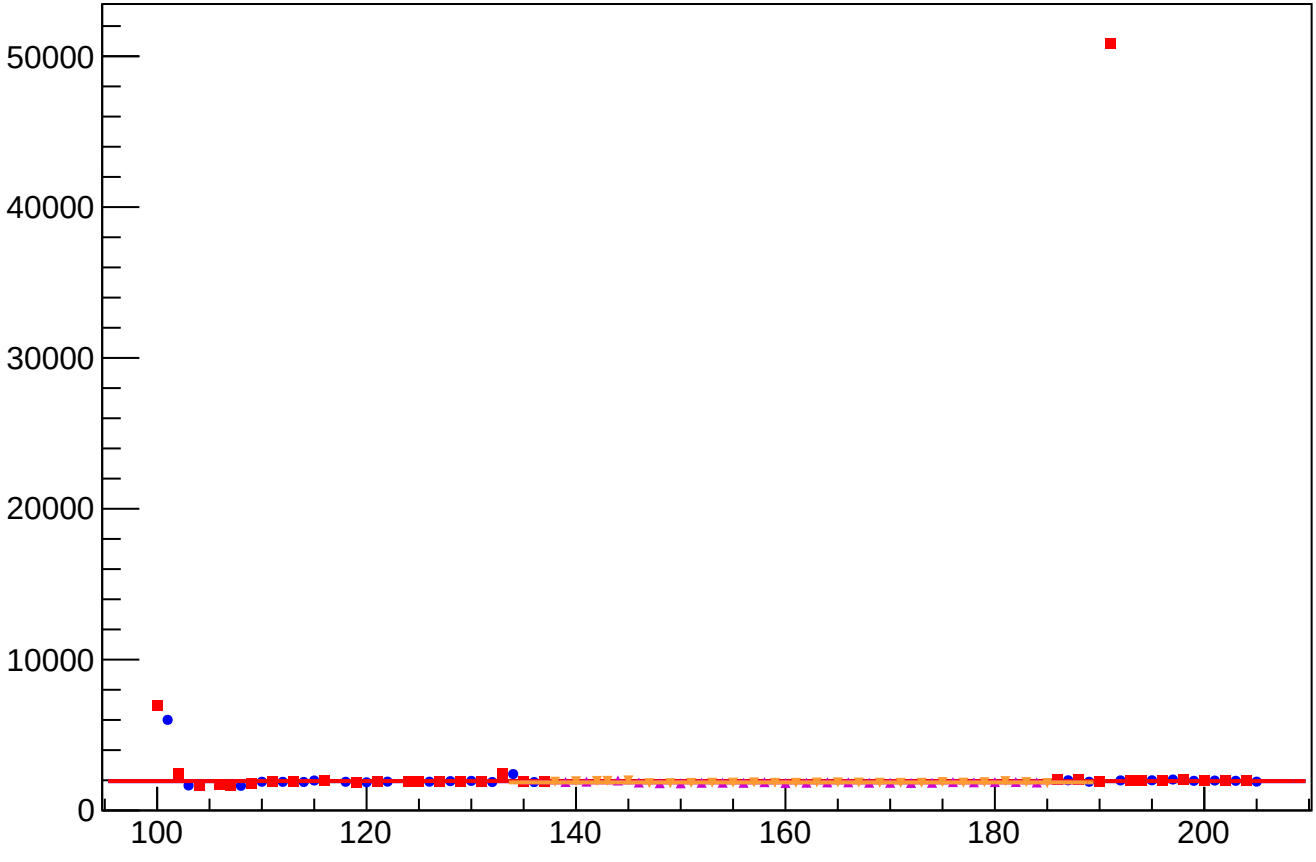
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 58.886+/-329.074 χ^2/NDF: 52.9/49

All: 1.489+/-232.729 χ^2/NDF: 103.8/102

- sign -55.947+/-329.183 χ^2/NDF: 50.9/52

dit_asym_atr_dd_rms vs Slug



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.5/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.707+/-0.357 χ^2/NDF: 389683.8/29

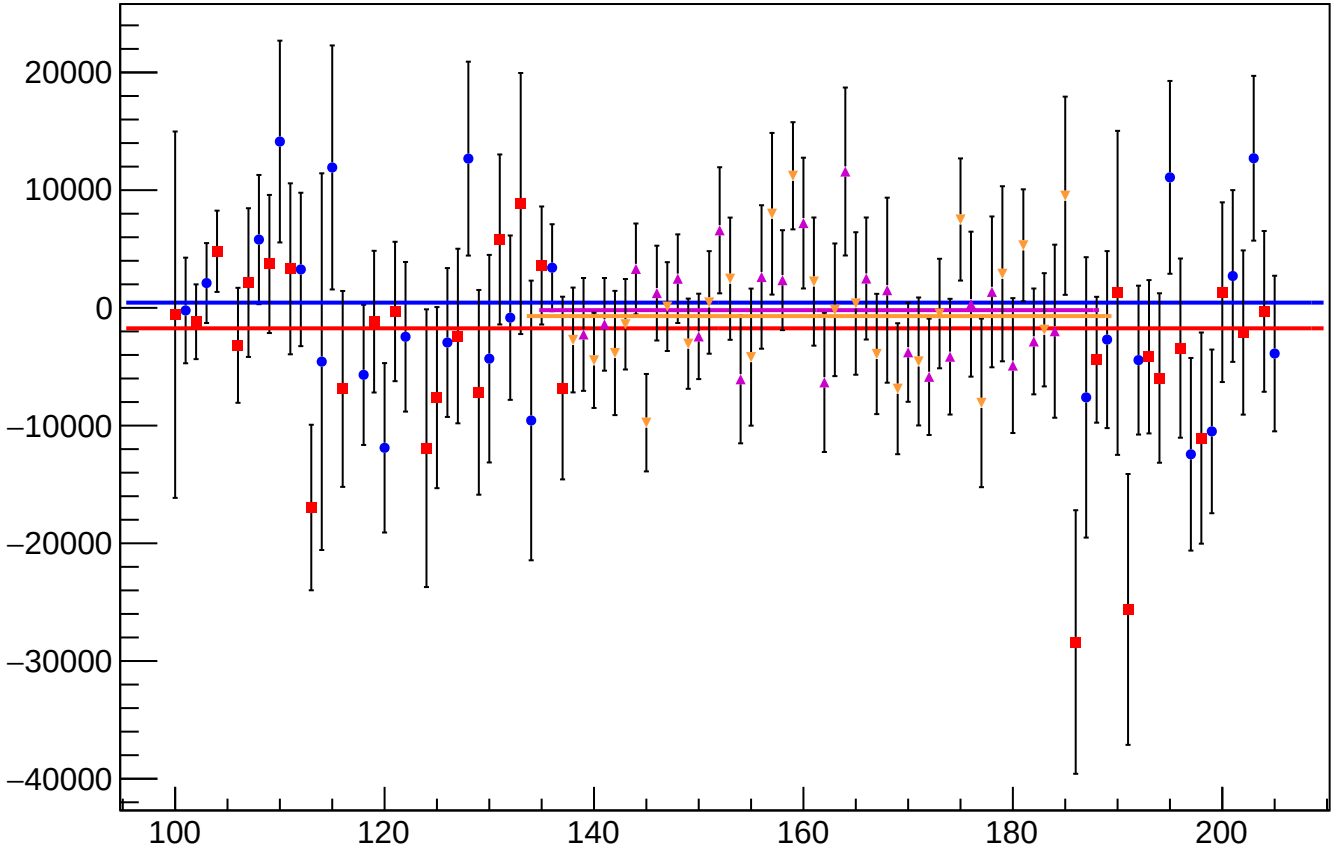
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1893.327+/-0.233 χ^2/NDF: 763440.1/49

All: 1894.398+/-0.165 χ^2/NDF: 1205318.5/10

- sign 1895.468+/-0.233 χ^2/NDF: 441836.1/52

asym_atr_dd_dit_correction_mean vs Slug



Right In: 445.806+/-1282.249 χ^2/NDF: 25.1/24

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1737.529+/-1178.781 χ^2/NDF: 28.0/29

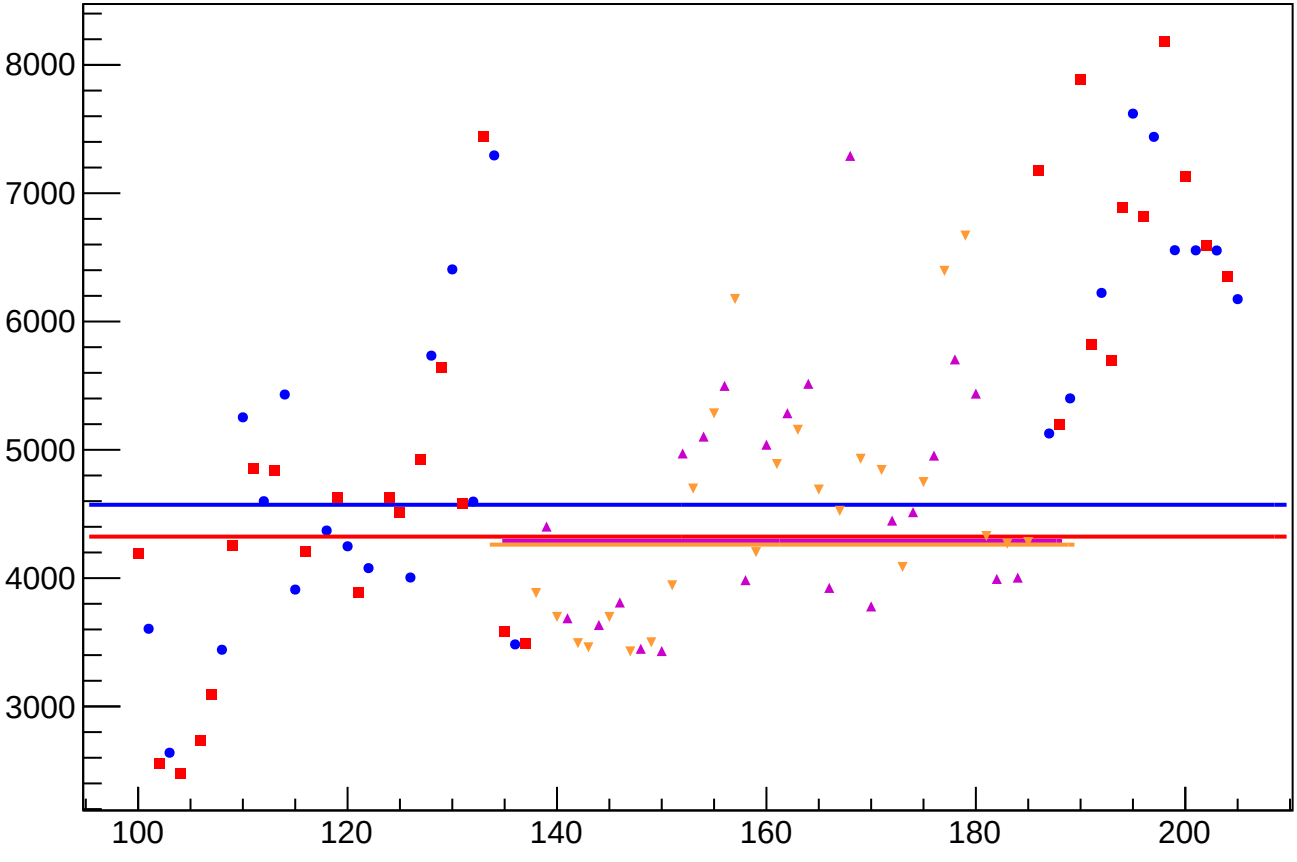
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -270.976+/-783.634 χ^2/NDF: 50.9/49

All: -567.636+/-550.095 χ^2/NDF: 95.3/102

- sign -855.844+/-772.390 χ^2/NDF: 44.1/52

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4571.747+/-0.907 χ^2/NDF: 2568452.8/24

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4323.518+/-0.834 χ^2/NDF: 3745268.2/29

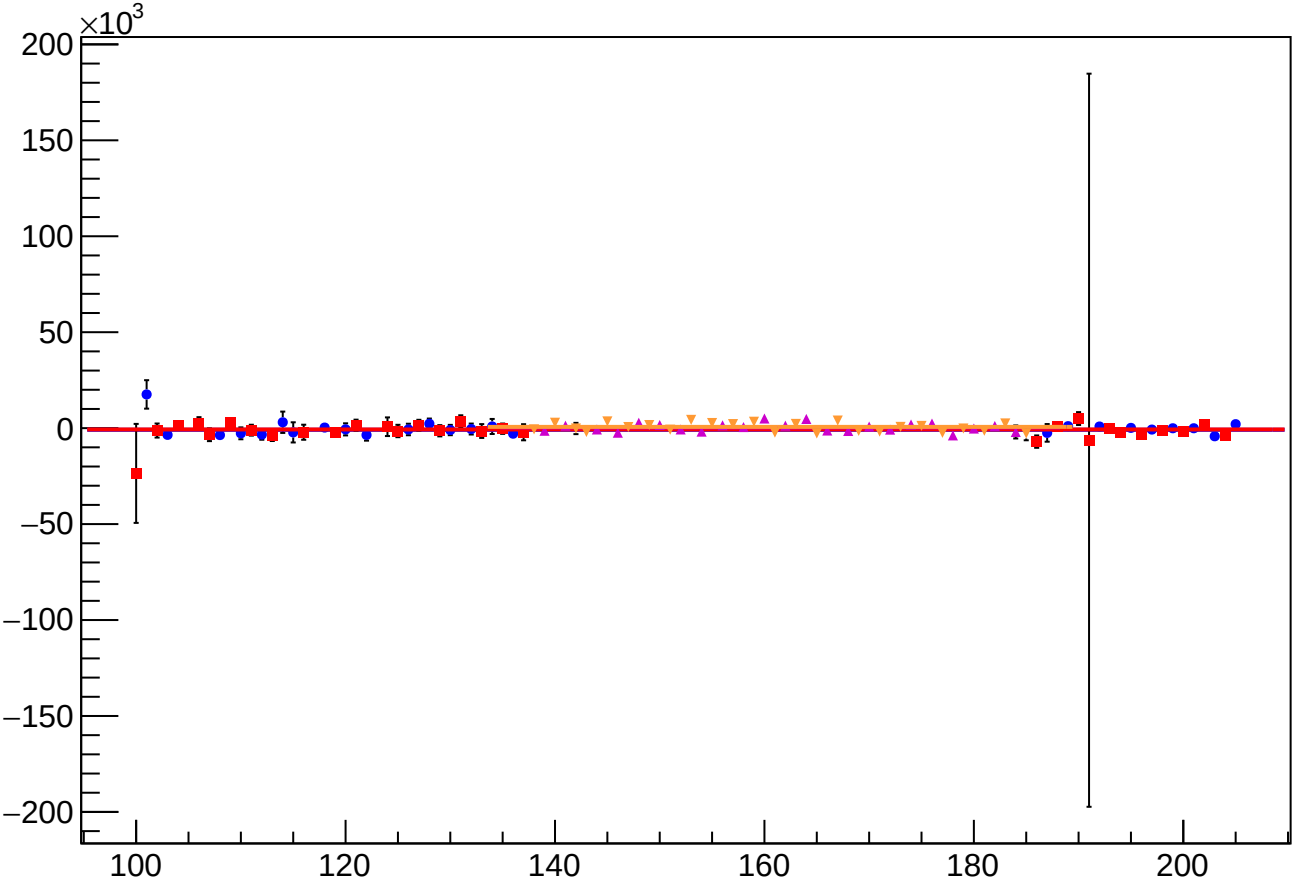
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4377.140+/-0.554 χ^2/NDF: 3832546.8/49

All: 4340.355+/-0.389 χ^2/NDF: 8801369.0/10

- sign 4304.618+/-0.546 χ^2/NDF: 4960133.9/52

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -858.271+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -689.284+/-505.349 χ^2/NDF: 24.5/29

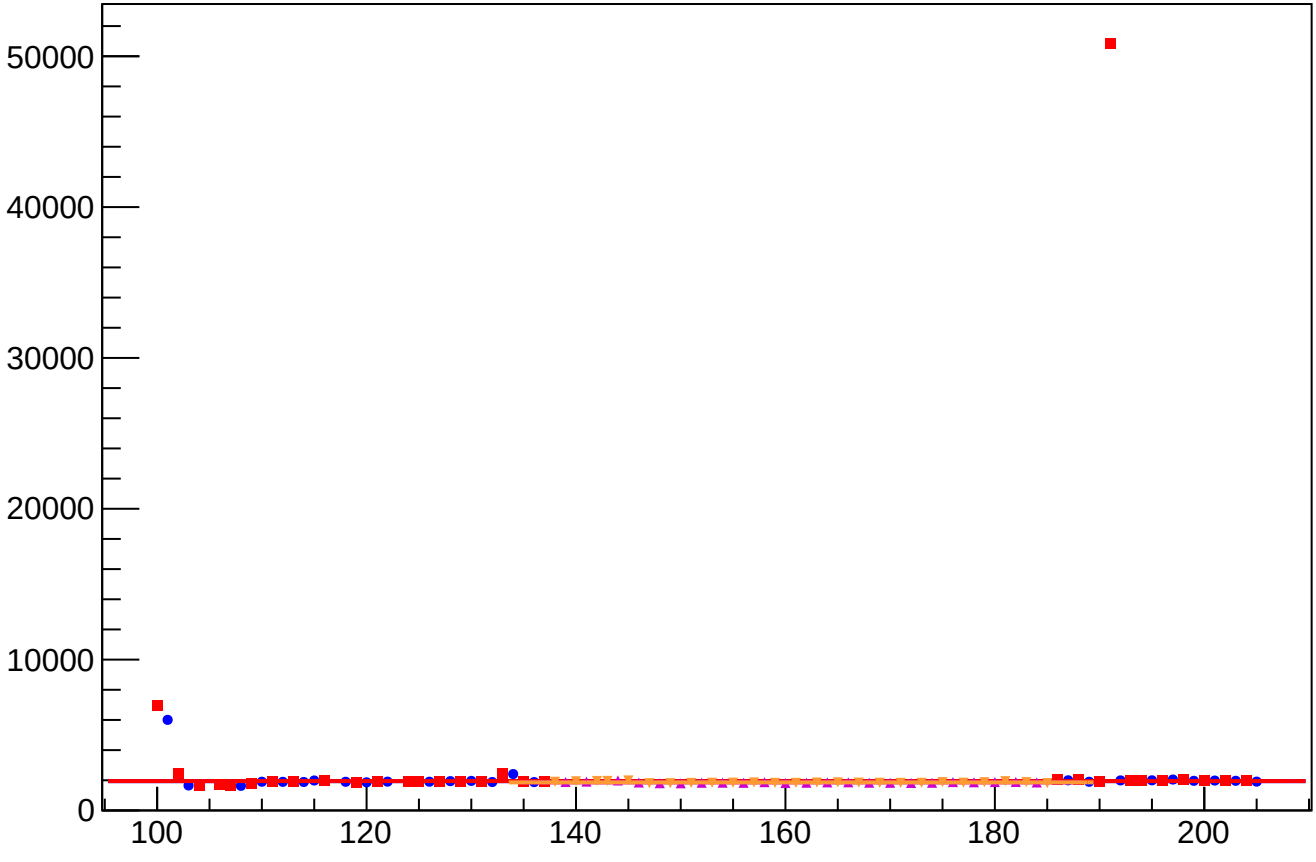
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 58.889+/-329.074 χ^2/NDF: 52.9/49

All: 1.490+/-232.729 χ^2/NDF: 103.8/102

- sign -55.946+/-329.183 χ^2/NDF: 50.9/52

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.4/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.707+/-0.357 χ^2/NDF: 389684.0/29

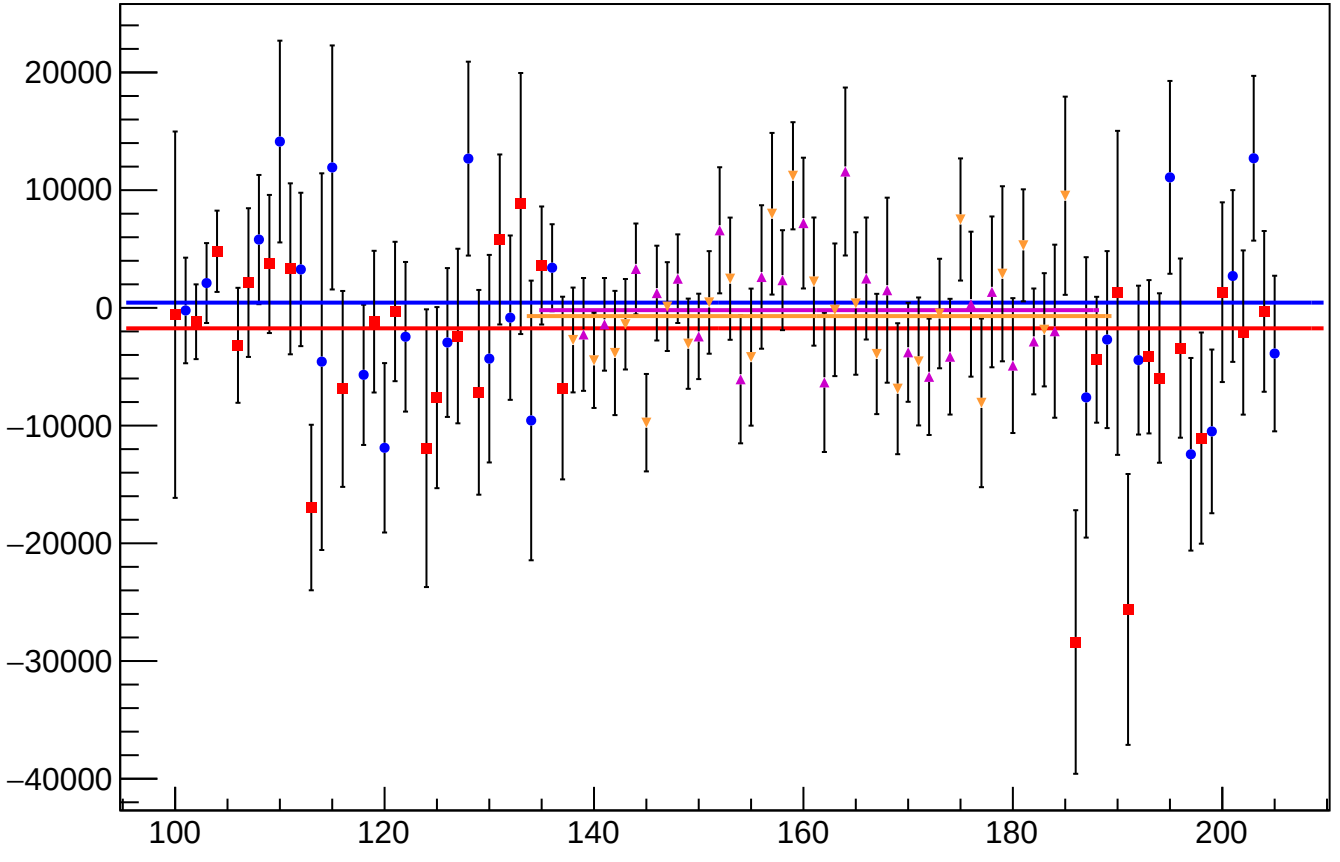
Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1893.328+/-0.233 χ^2/NDF: 763439.6/49

All: 1894.398+/-0.165 χ^2/NDF: 1205317.7/10

- sign 1895.469+/-0.233 χ^2/NDF: 441835.8/52

asym_atr_dd_eigen_dit_correction_mean vs Slug



Right In: 445.796+/-1282.248 χ^2/NDF: 25.1/24

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1737.527+/-1178.780 χ^2/NDF: 28.0/29

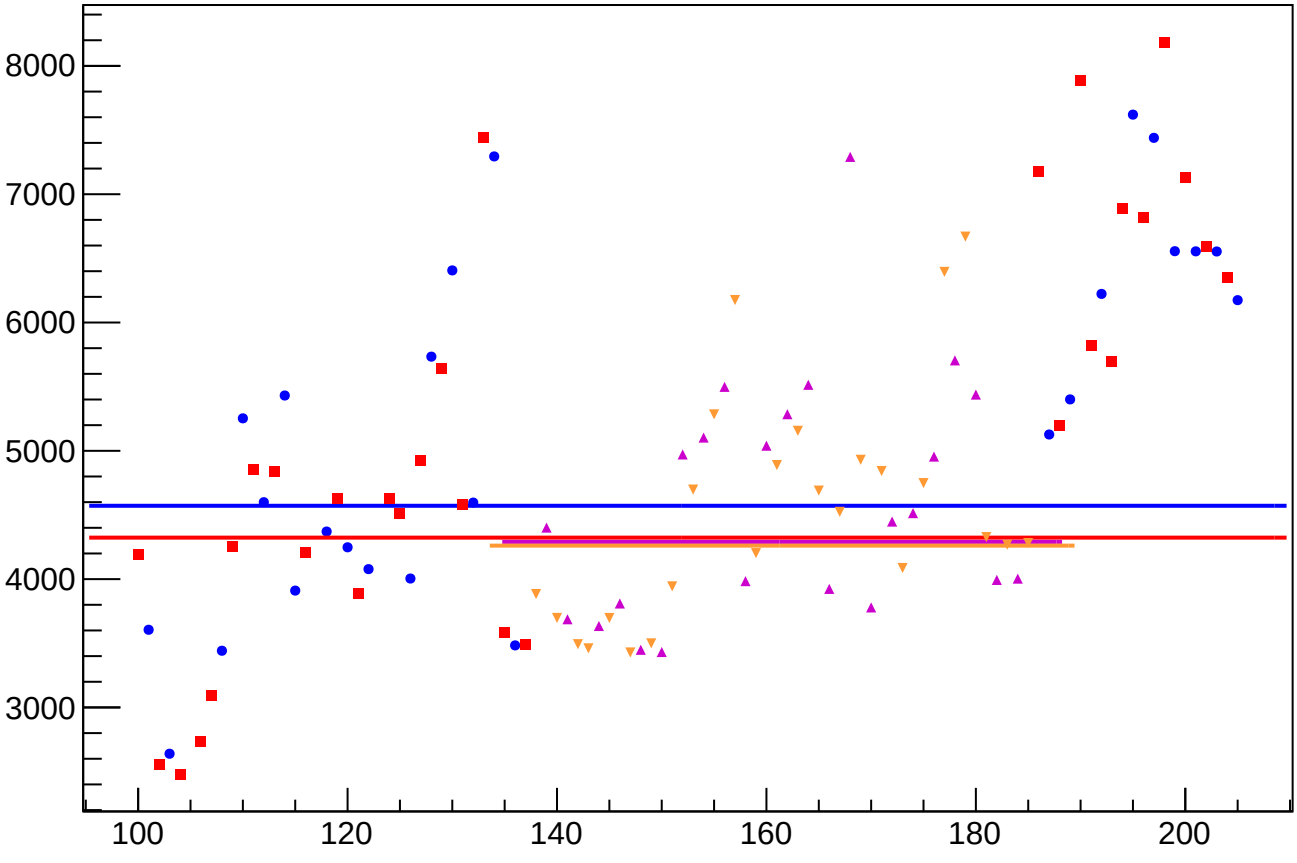
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -270.978+/-783.635 χ^2/NDF: 50.9/49

All: -567.638+/-550.095 χ^2/NDF: 95.3/102

- sign -855.846+/-772.391 χ^2/NDF: 44.1/52

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4571.745+/-0.907 χ^2/NDF: 2568456.3/24

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4323.516+/-0.834 χ^2/NDF: 3745271.0/29

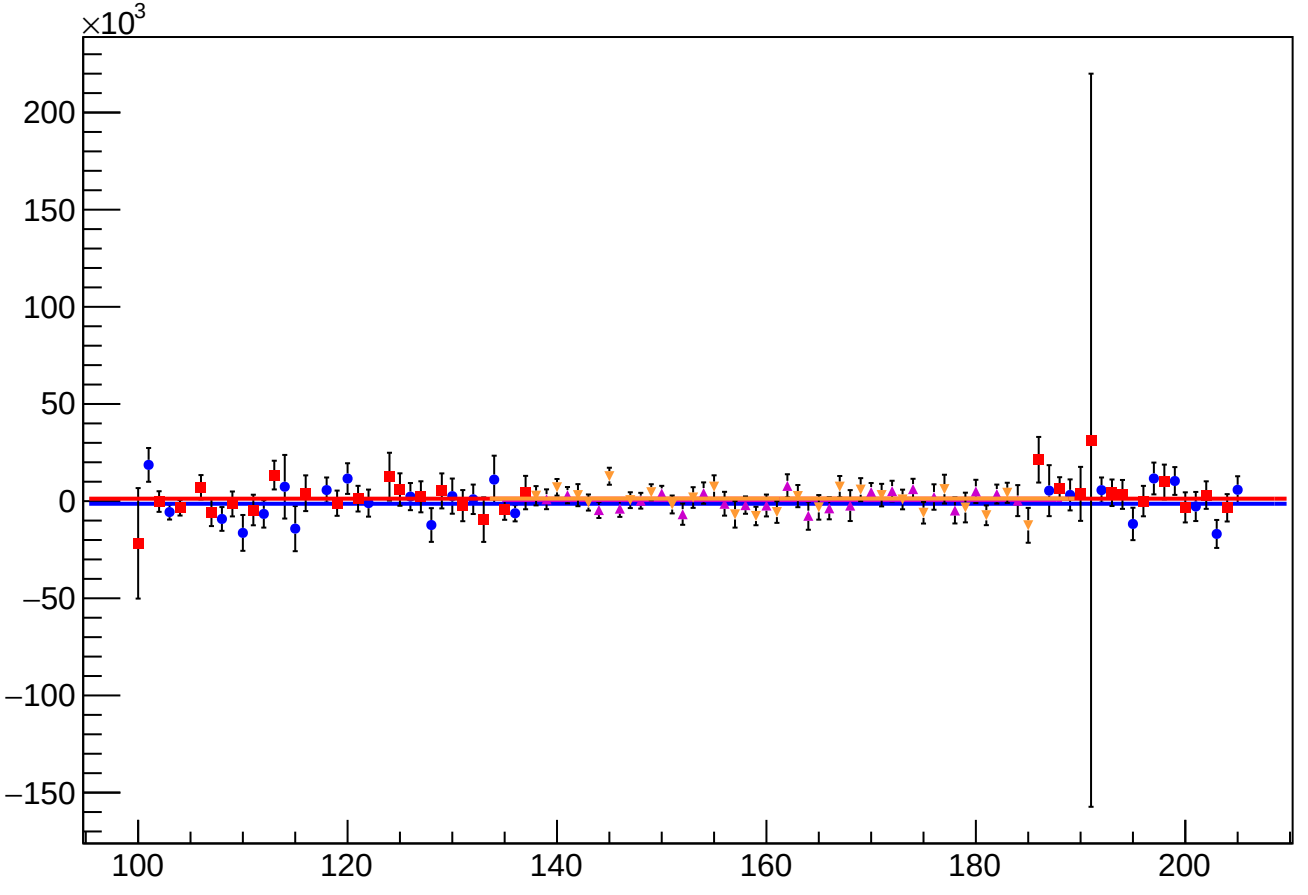
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4377.143+/-0.554 χ^2/NDF: 3832548.9/49

All: 4340.358+/-0.389 χ^2/NDF: 8801379.6/10

- sign 4304.621+/-0.546 χ^2/NDF: 4960142.1/52

asym_atr_dd_mean vs Slug



Right In: -1346.650+/-1428.980 χ^2/NDF: 35.5/24

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1267.704+/-1351.099 χ^2/NDF: 17.0/29

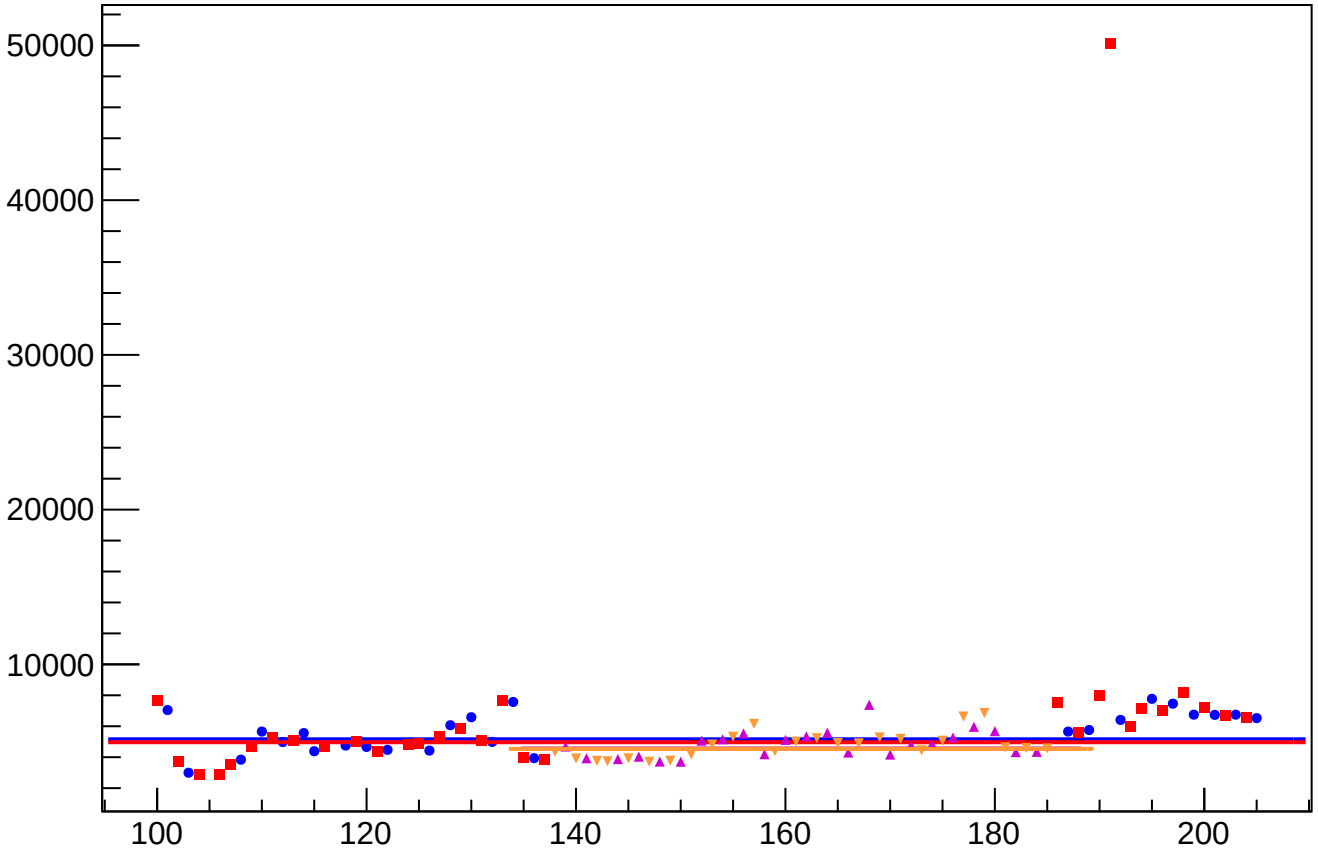
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 371.501+/-845.904 χ^2/NDF: 66.2/49

All: 609.403+/-597.690 χ^2/NDF: 98.0/102

- sign 846.583+/-844.619 χ^2/NDF: 31.6/52

asym_atr_dd_rms vs Slug



Right In: 5157.097+/-1.010 χ^2/NDF: 2013739.2/24

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

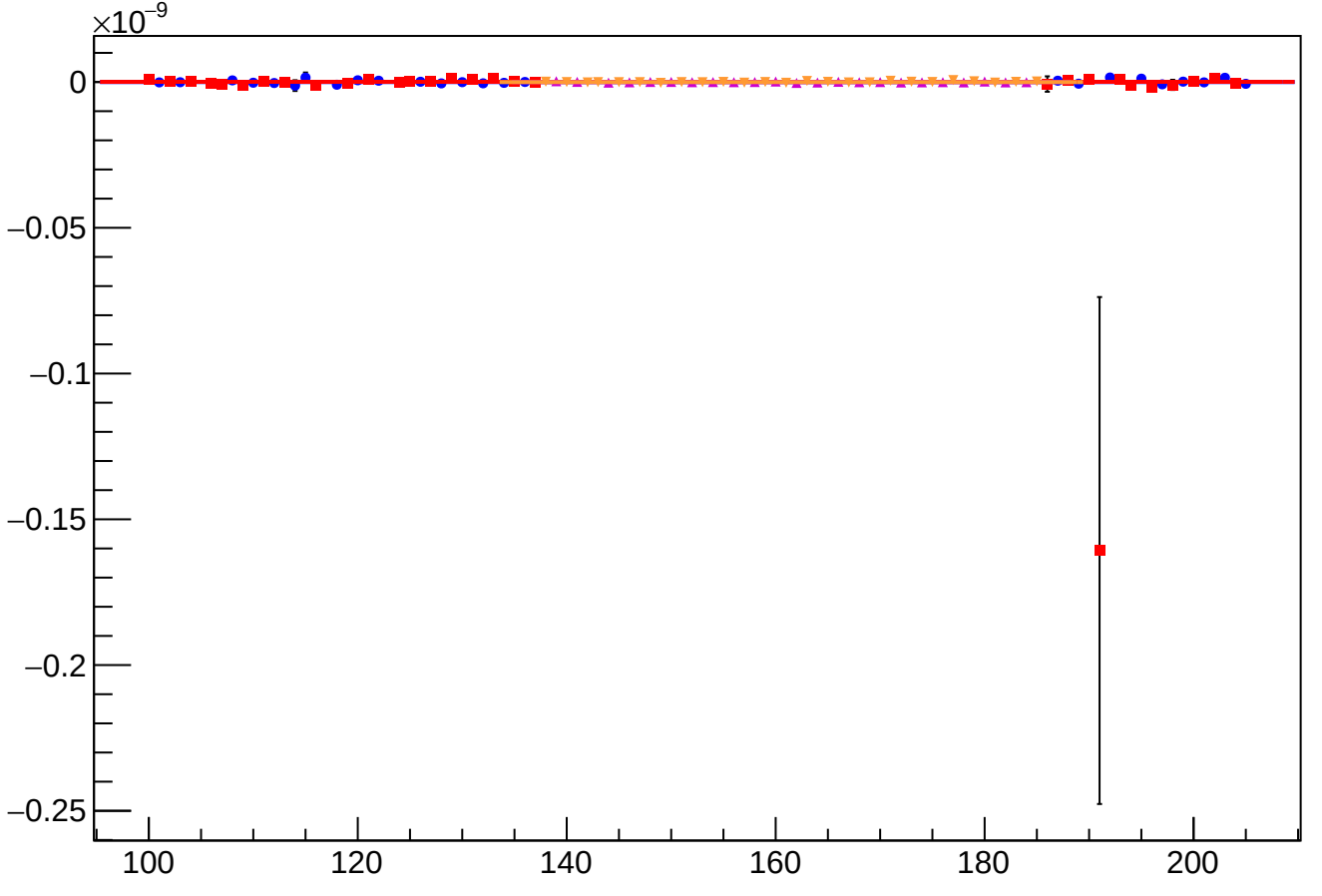
Right Out: 4966.758+/-0.950 χ^2/NDF: 2635077.4/29

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4754.902+/-0.598 χ^2/NDF: 3250549.1/49

All: 4737.571+/-0.422 χ^2/NDF: 6978422.5/10

- sign 4720.369+/-0.596 χ^2/NDF: 3726200.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

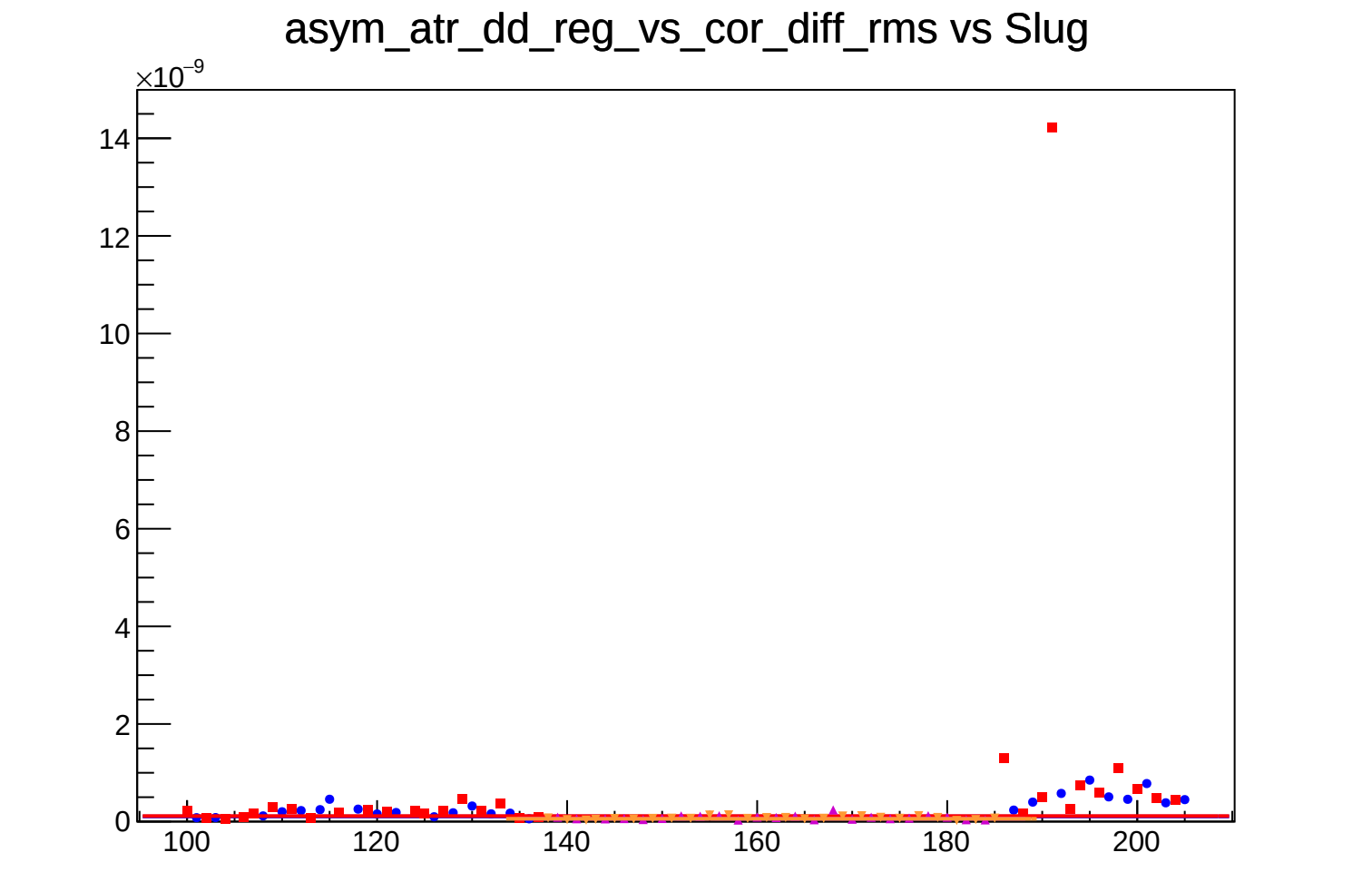
Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/49

All: -0.000+/-0.000 χ^2/NDF: 118.5/102

- sign -0.000+/-0.000 χ^2/NDF: 58.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4822342.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5576445.4/29

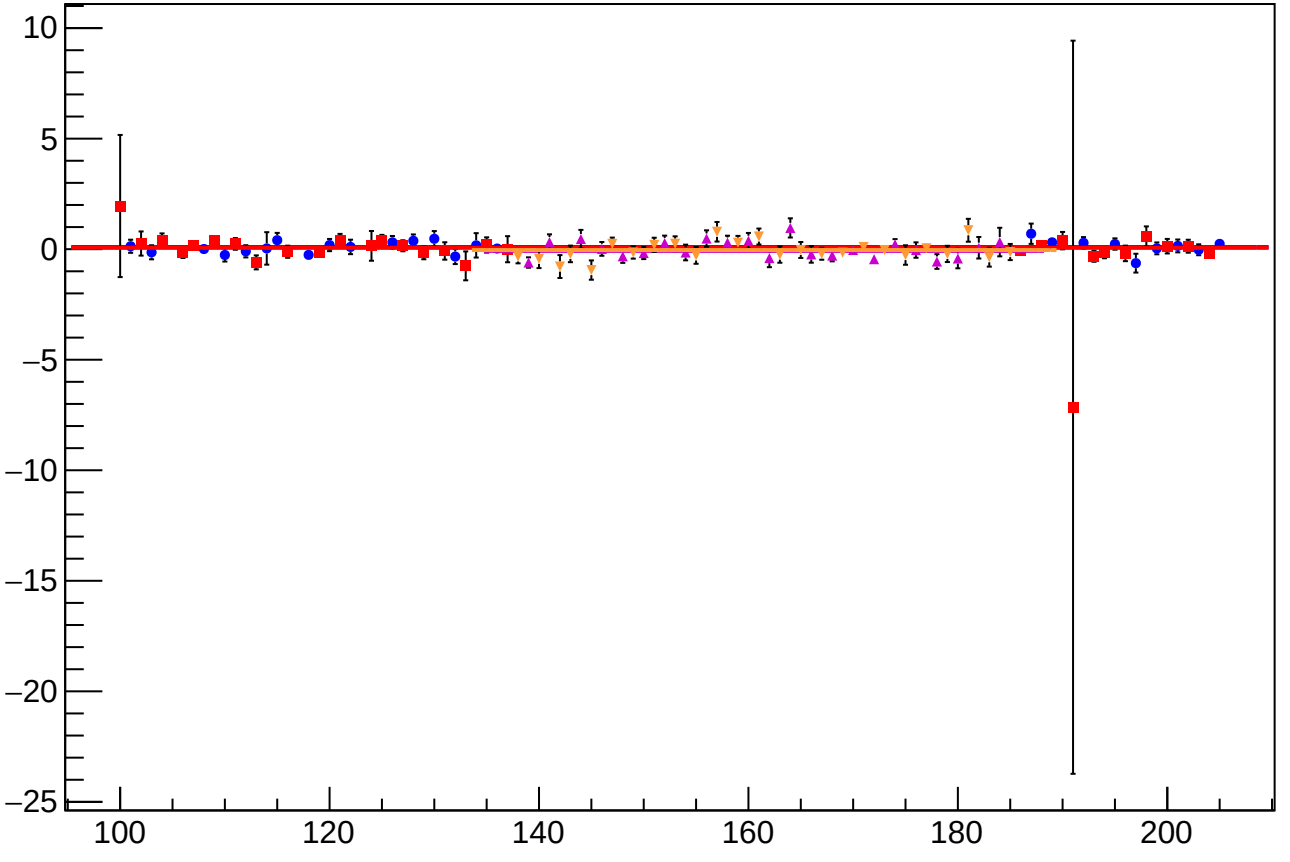
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7767445.7/49

All: 0.000+/-0.000 χ^2/NDF: 16671722.8/102

- sign 0.000+/-0.000 χ^2/NDF: 8900000.0/52

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

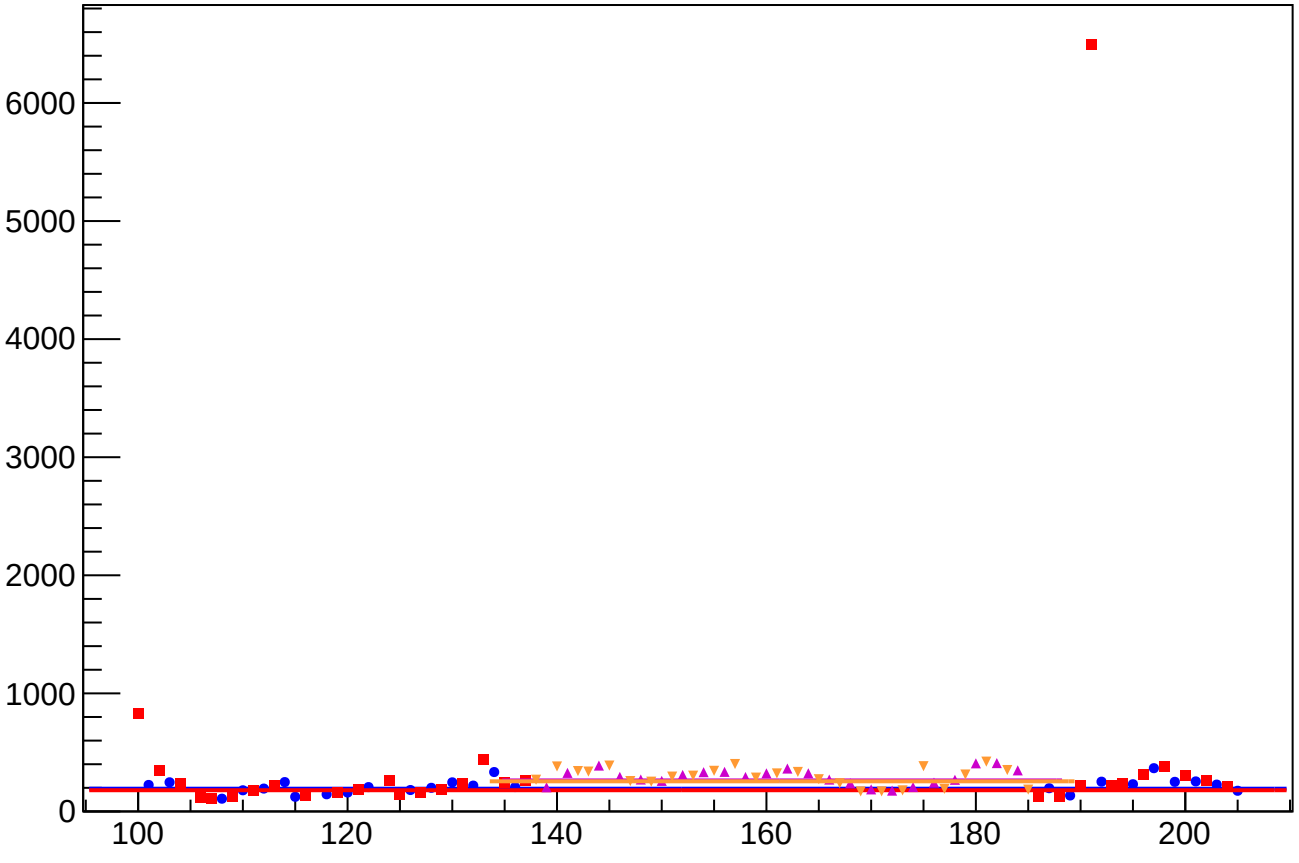
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.022+/-0.029 χ^2/NDF: 106.2/102

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

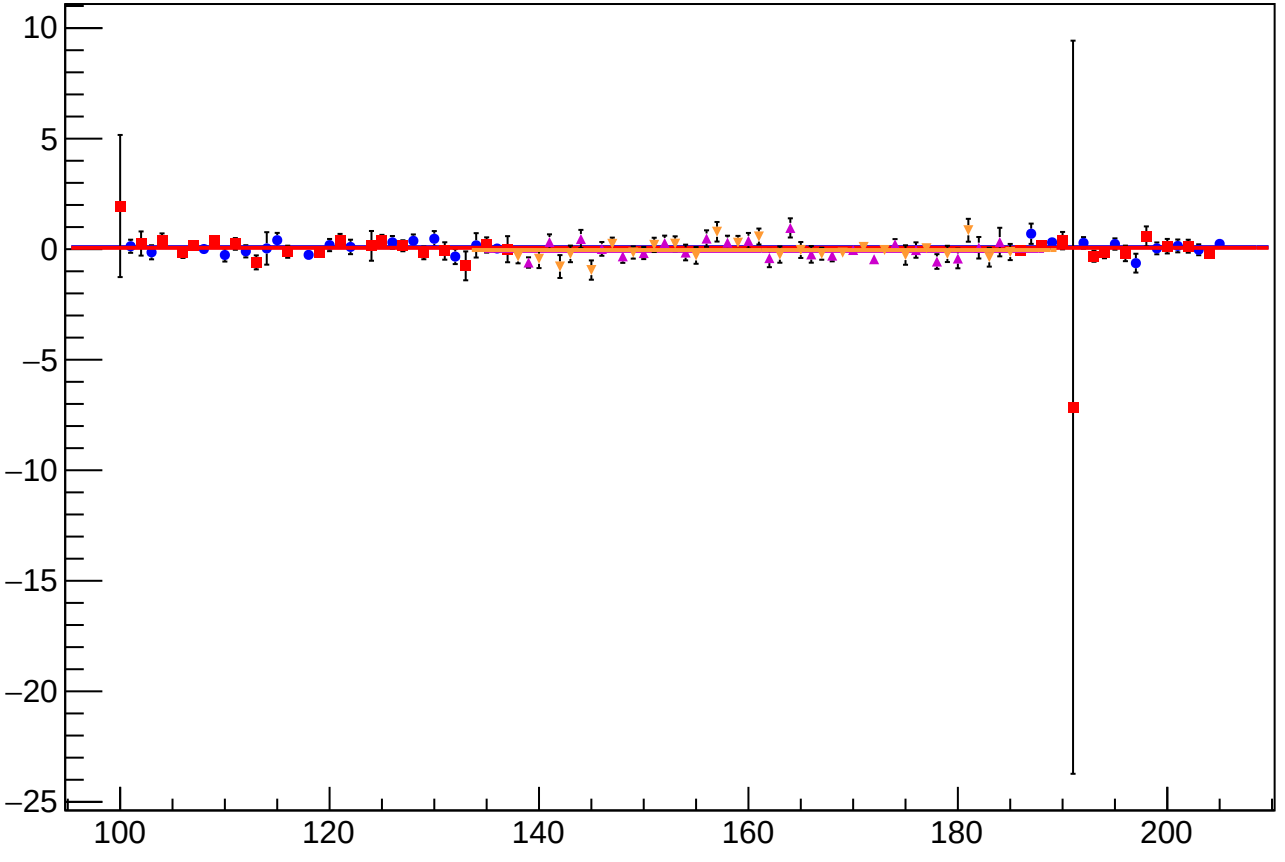
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970729.8/49

All: 215.594+/-0.020 χ^2/NDF: 13598078.4/10

- sign 211.340+/-0.028 χ^2/NDF: 7581069.8/52

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

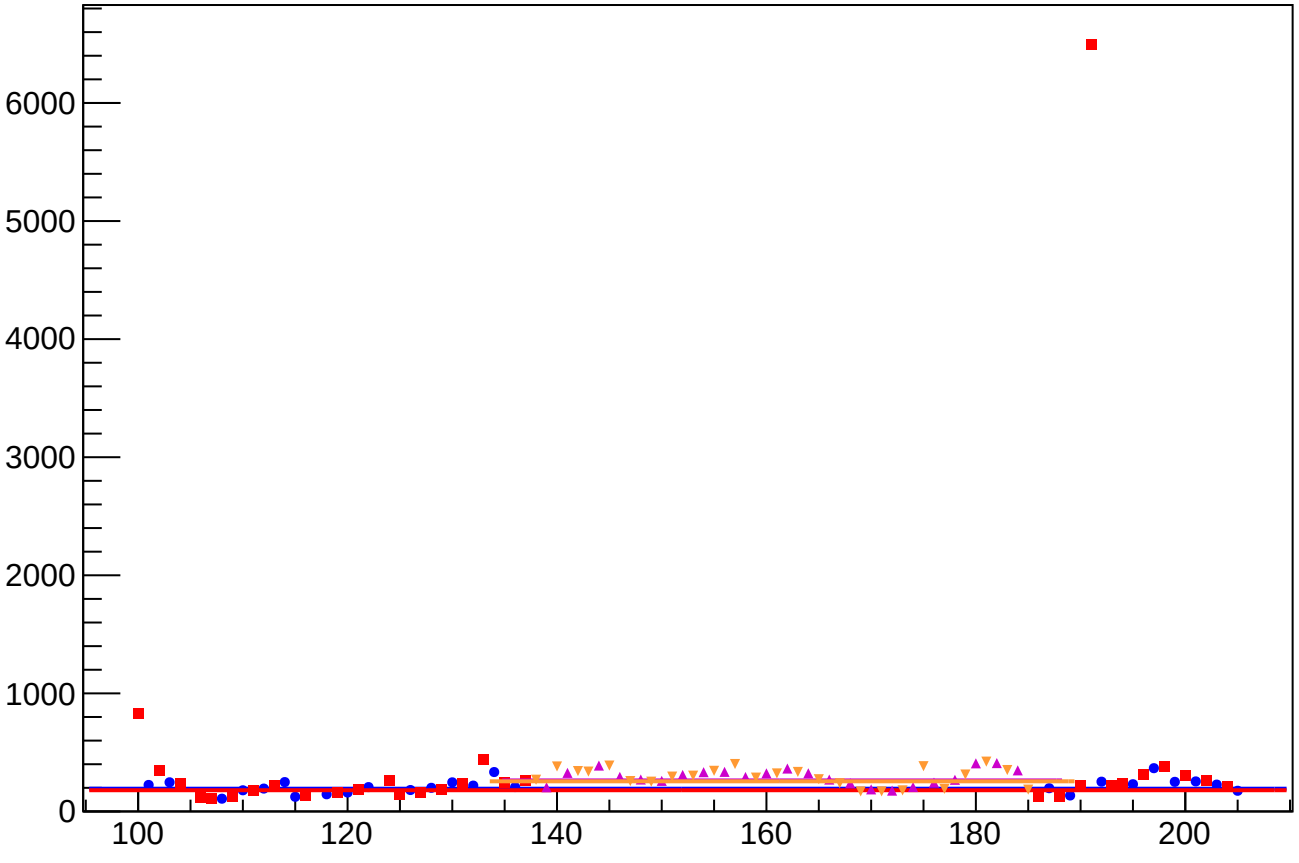
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.022+/-0.029 χ^2/NDF: 106.2/102

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

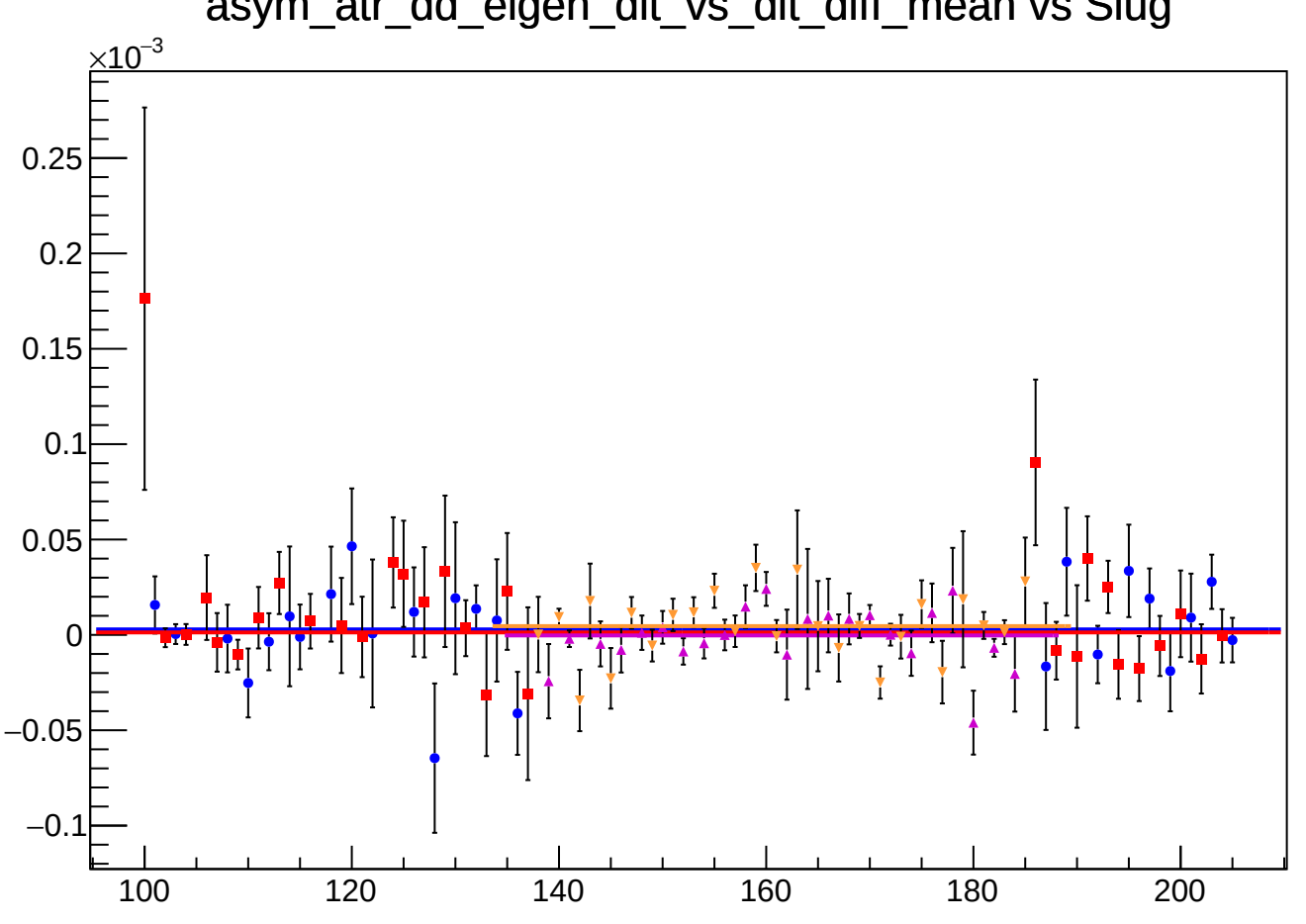
Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970729.8/49

All: 215.594+/-0.020 χ^2/NDF: 13598078.4/10

- sign 211.340+/-0.028 χ^2/NDF: 7581069.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

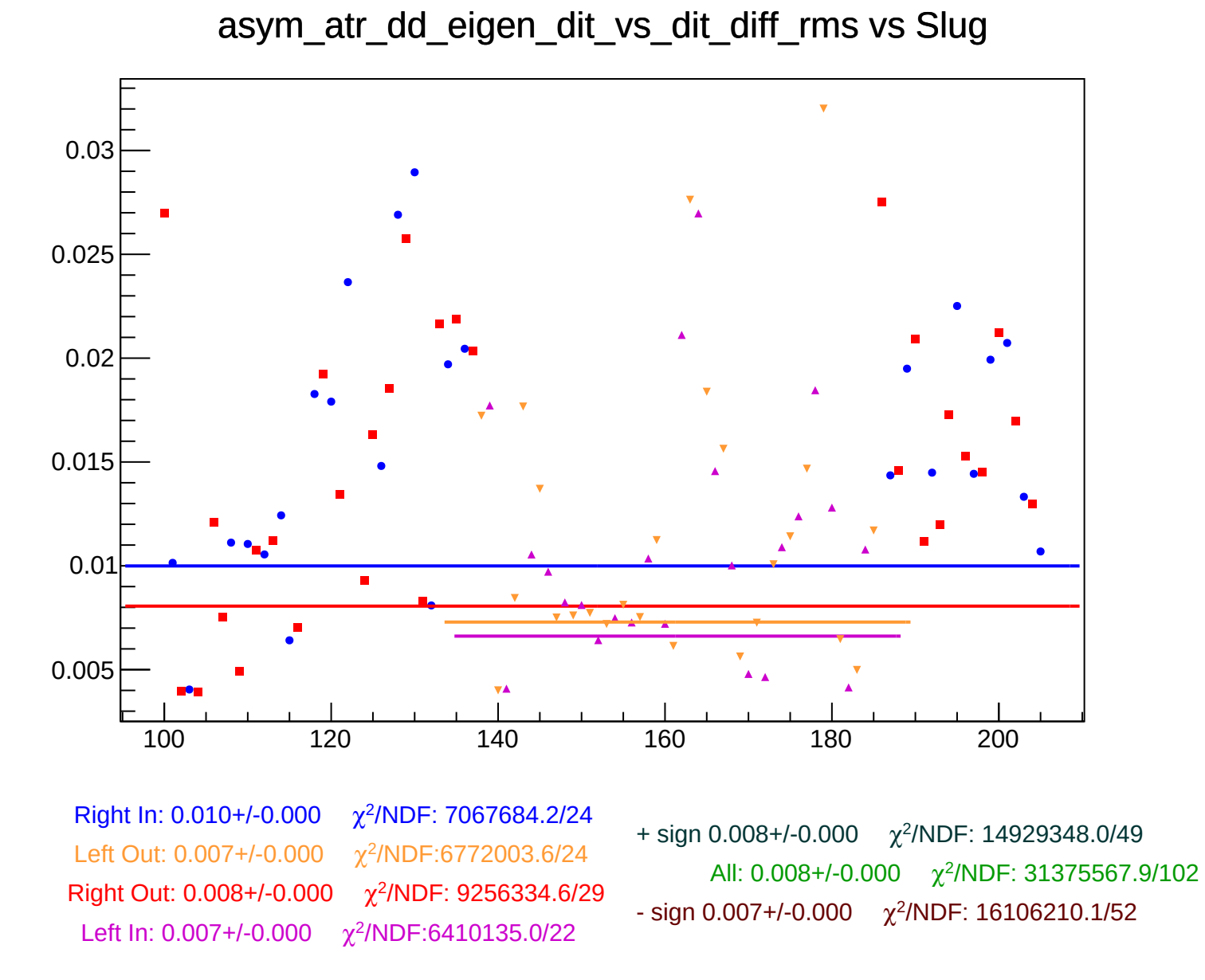
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/29

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

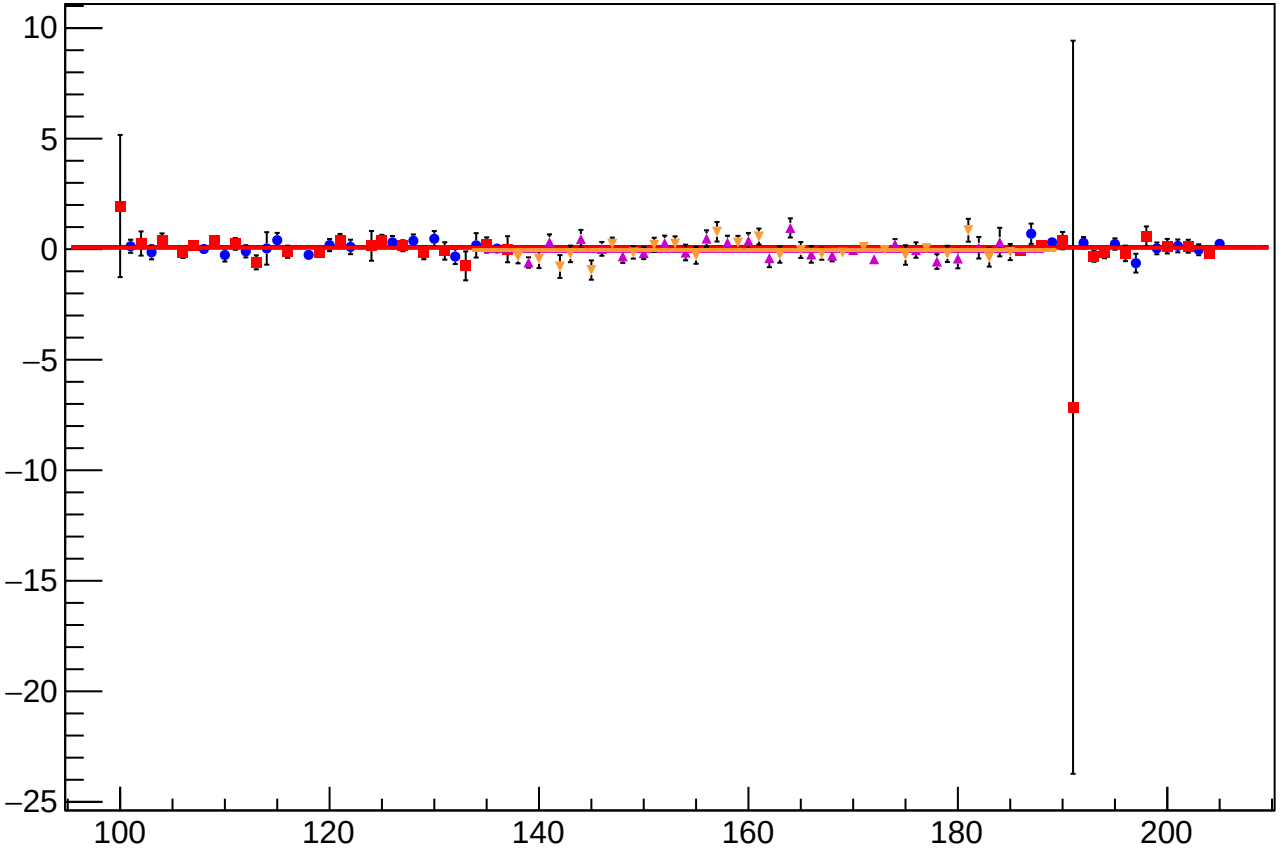
+ sign 0.000+/-0.000 χ^2/NDF: 67.9/49

All: 0.000+/-0.000 χ^2/NDF: 132.5/102

- sign 0.000+/-0.000 χ^2/NDF: 61.4/52


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 7067684.2/24
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 9256334.6/29
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 14929348.0/49
All: 0.008+/-0.000 χ²/NDF: 31375567.9/102
- sign 0.007+/-0.000 χ²/NDF: 16106210.1/52

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

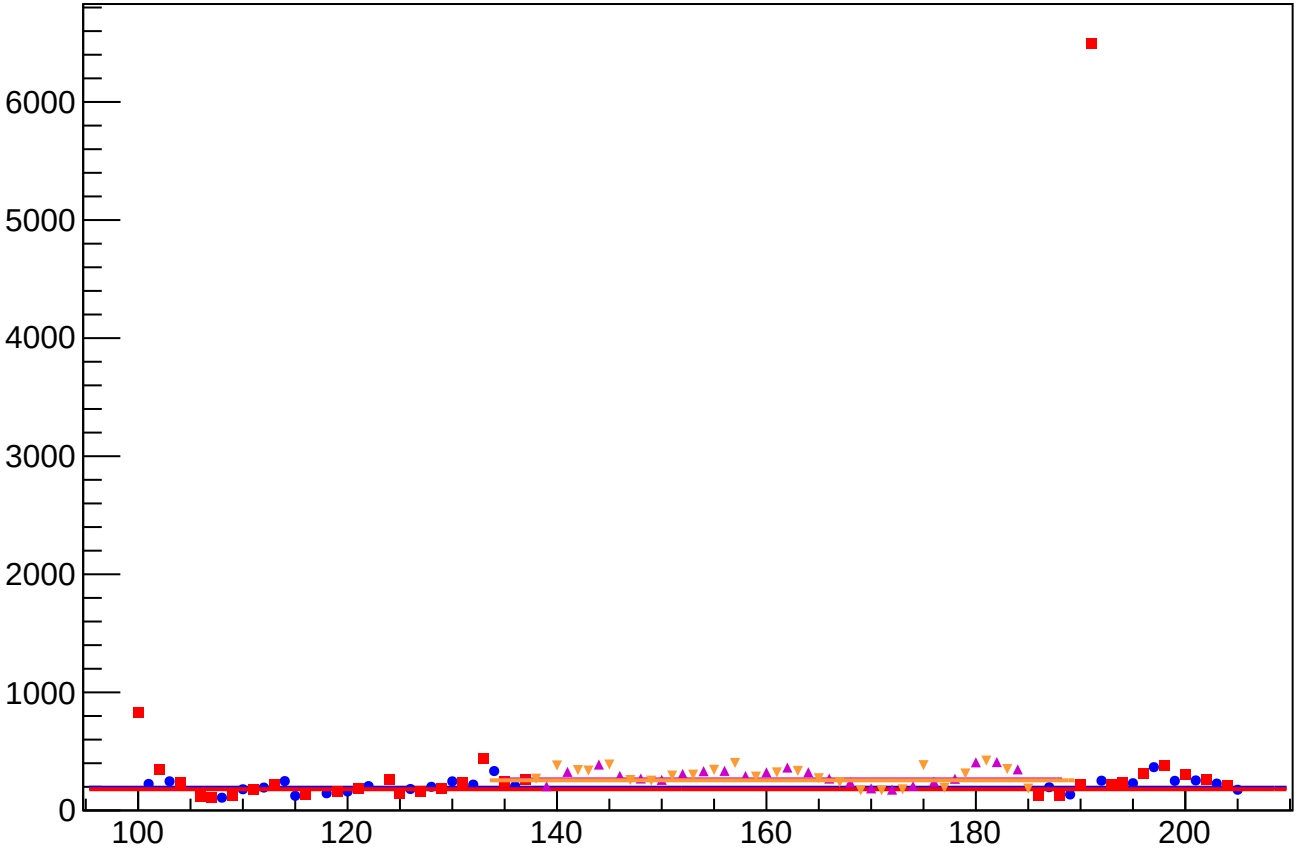
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.022+/-0.029 χ^2/NDF: 106.2/102

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

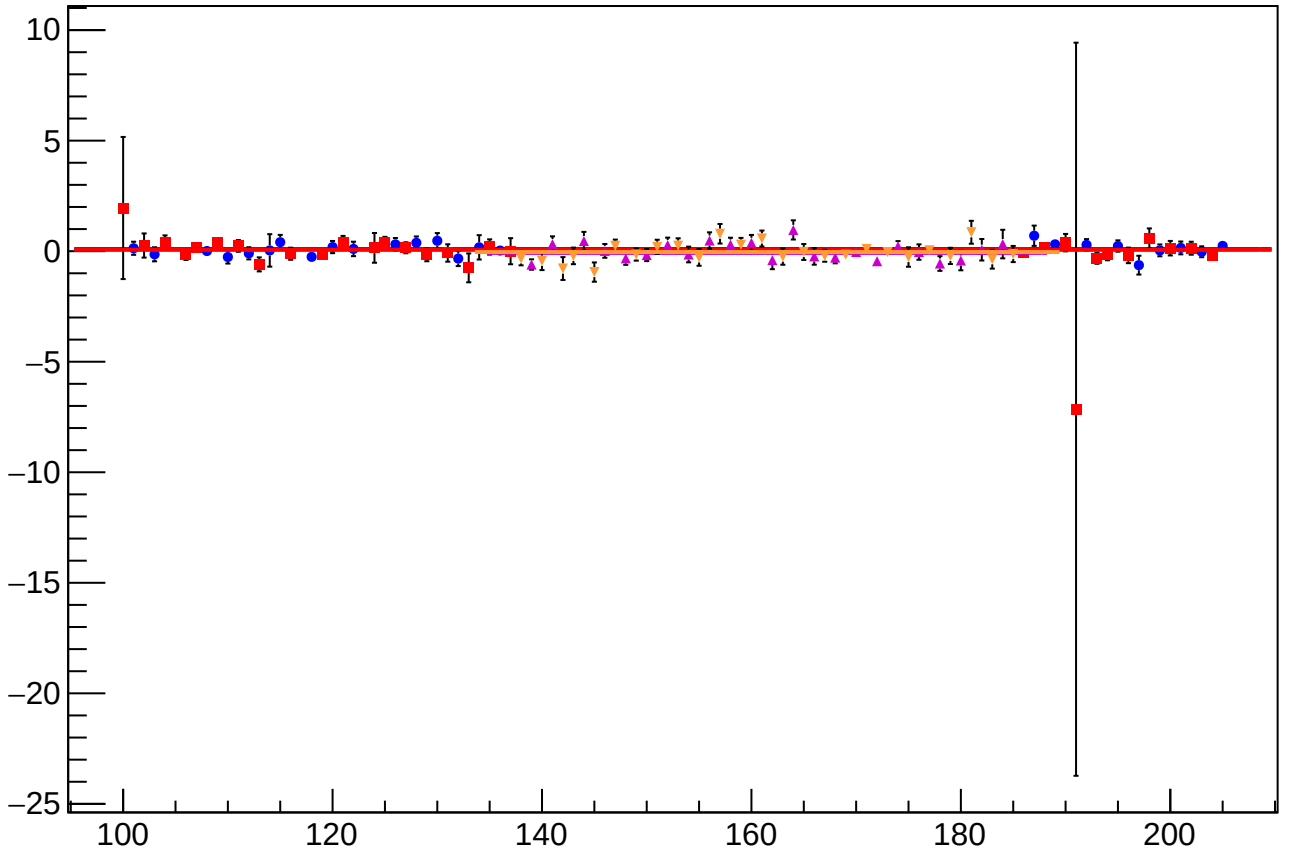
Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970916.0/49

All: 215.595+/-0.020 χ^2/NDF: 13598260.3/10

- sign 211.342+/-0.028 χ^2/NDF: 7581080.9/52



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

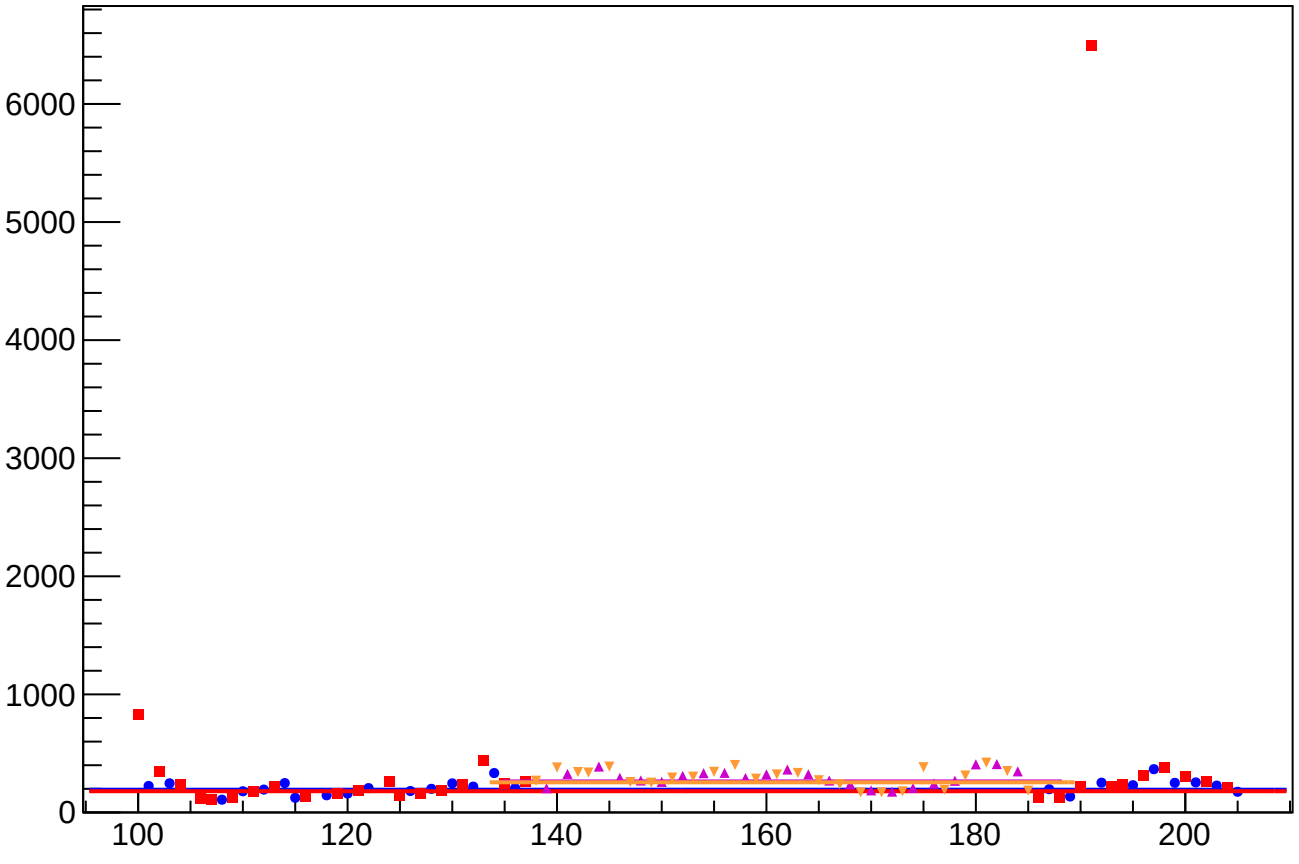
Right Out: 0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.022+/-0.029 χ^2/NDF: 106.2/102

- sign 0.009+/-0.040 χ^2/NDF: 60.3/52



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

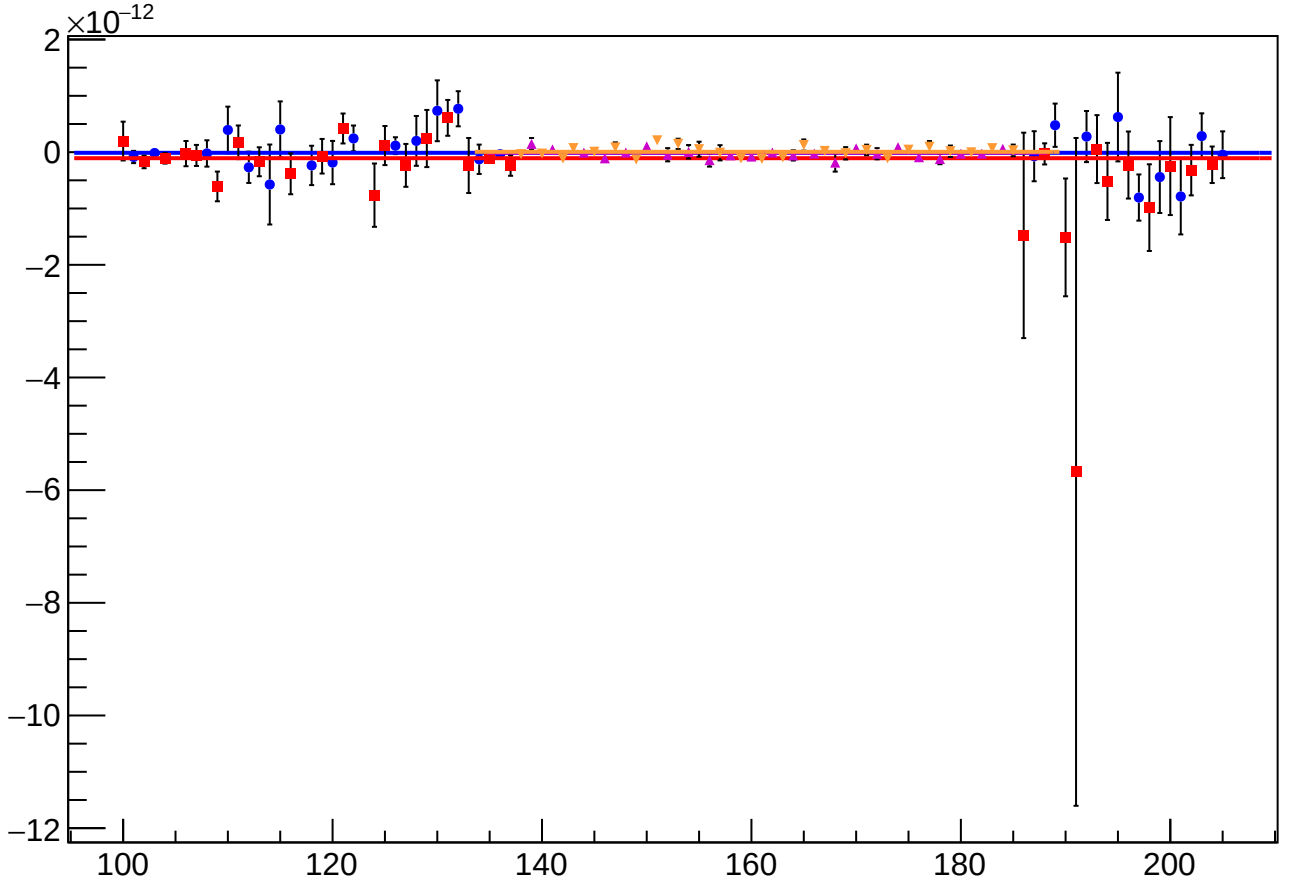
Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970916.0/49

All: 215.595+/-0.020 χ^2/NDF: 13598260.3/10

- sign 211.342+/-0.028 χ^2/NDF: 7581080.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

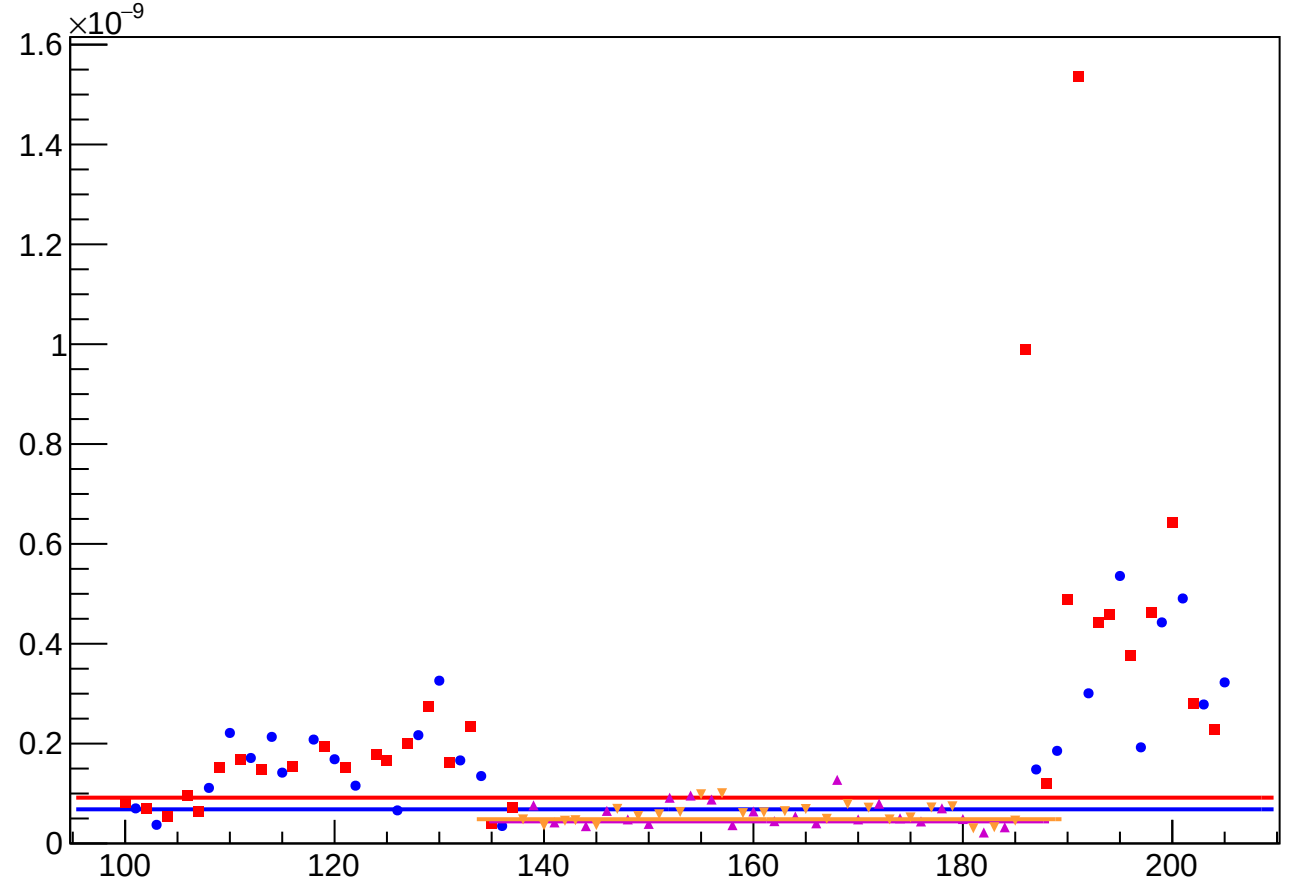
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/29

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.5/49

All: -0.000+/-0.000 χ^2/NDF: 106.7/102

- sign -0.000+/-0.000 χ^2/NDF: 50.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 7926322.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7563529.2/29

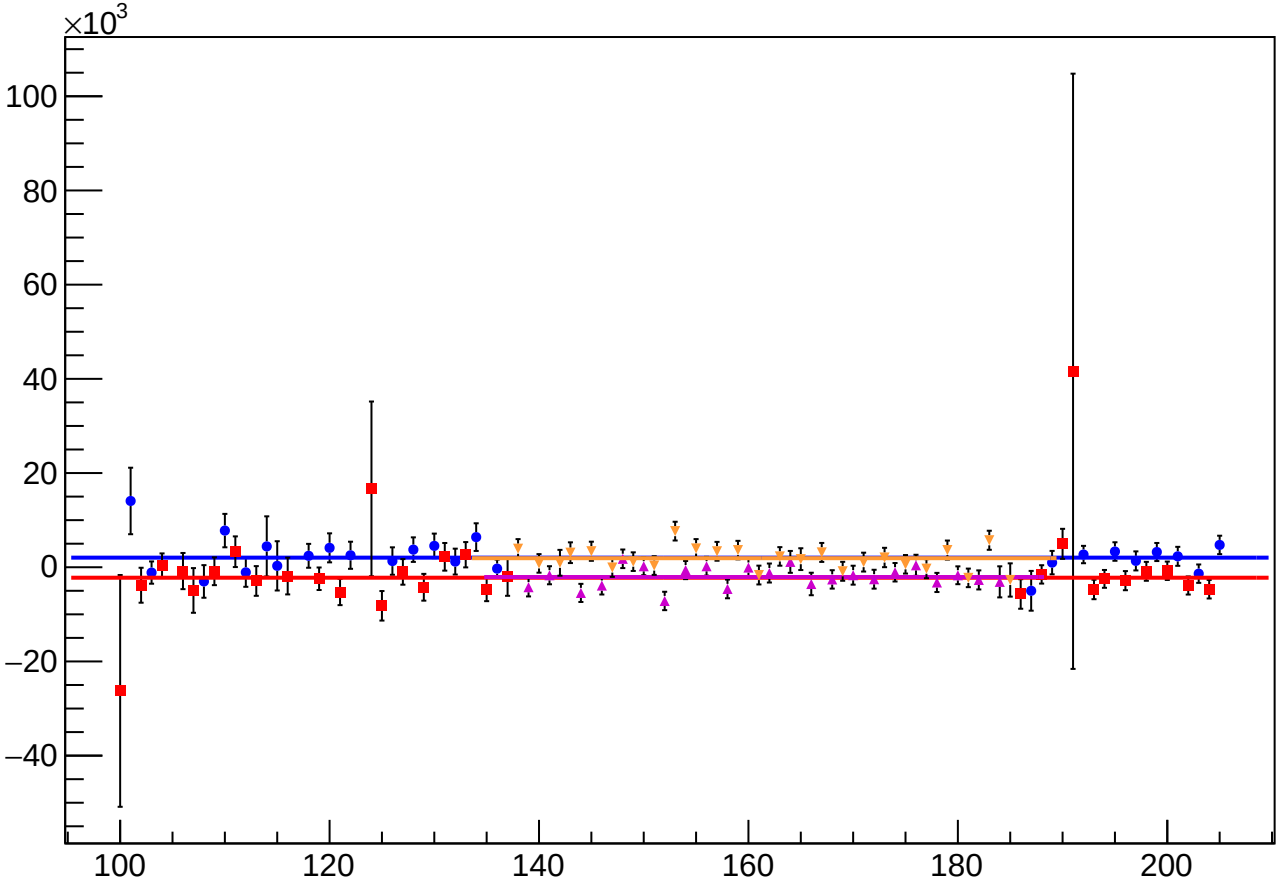
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10986923.0/49

All: 0.000+/-0.000 χ^2/NDF: 24703794.8/102

- sign 0.000+/-0.000 χ^2/NDF: 13687932.4/52

reg_asym_at1_avg_mean vs Slug



Right In: 2038.931+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2223.098+/-493.814 χ^2/NDF: 30.5/29

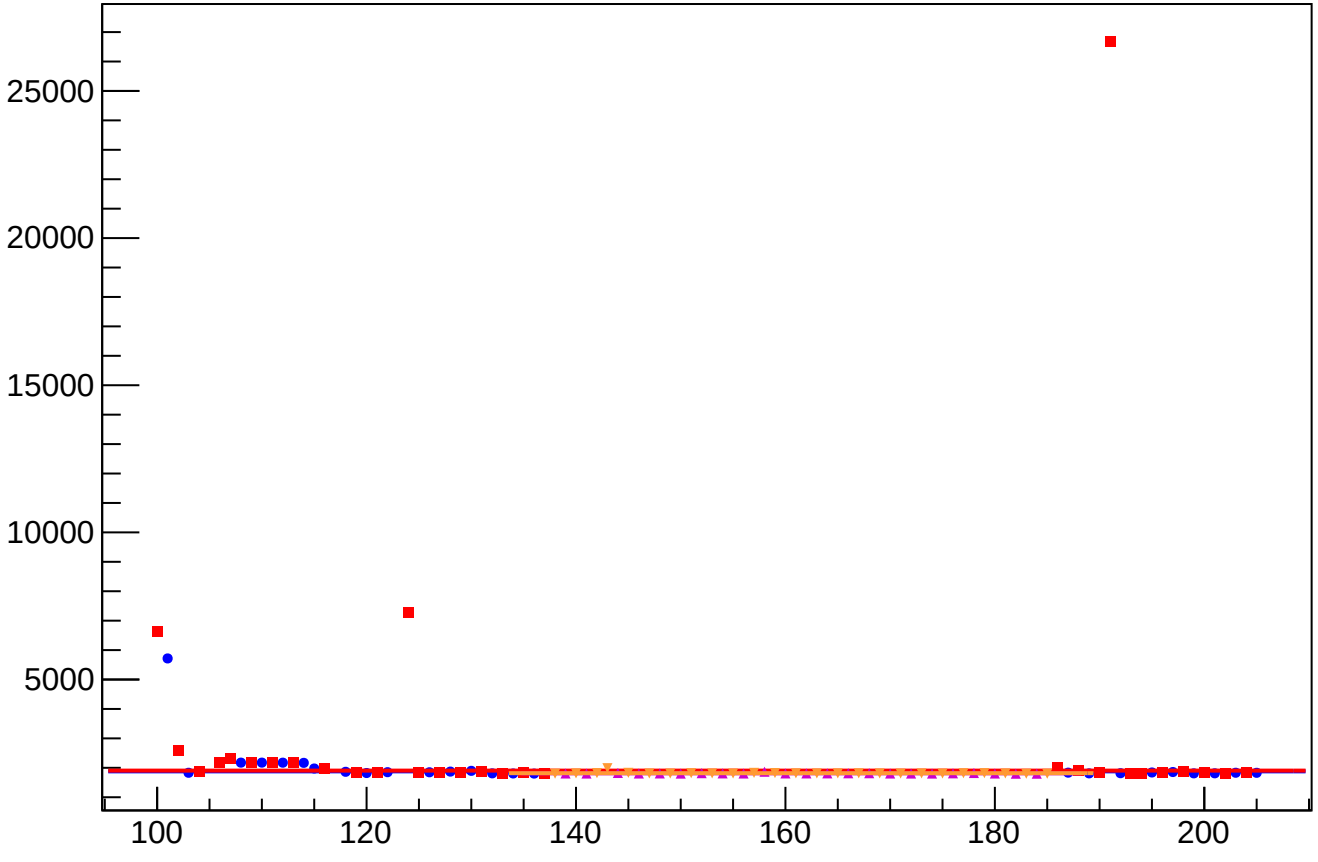
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1967.880+/-319.991 χ^2/NDF: 58.0/49

All: -76.046+/-226.743 χ^2/NDF: 197.0/102

- sign -2137.254+/-321.341 χ^2/NDF: 57.1/52

reg_asym_at1_avg_rms vs Slug



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1904.892+/-0.349 χ^2/NDF: 729883.6/29

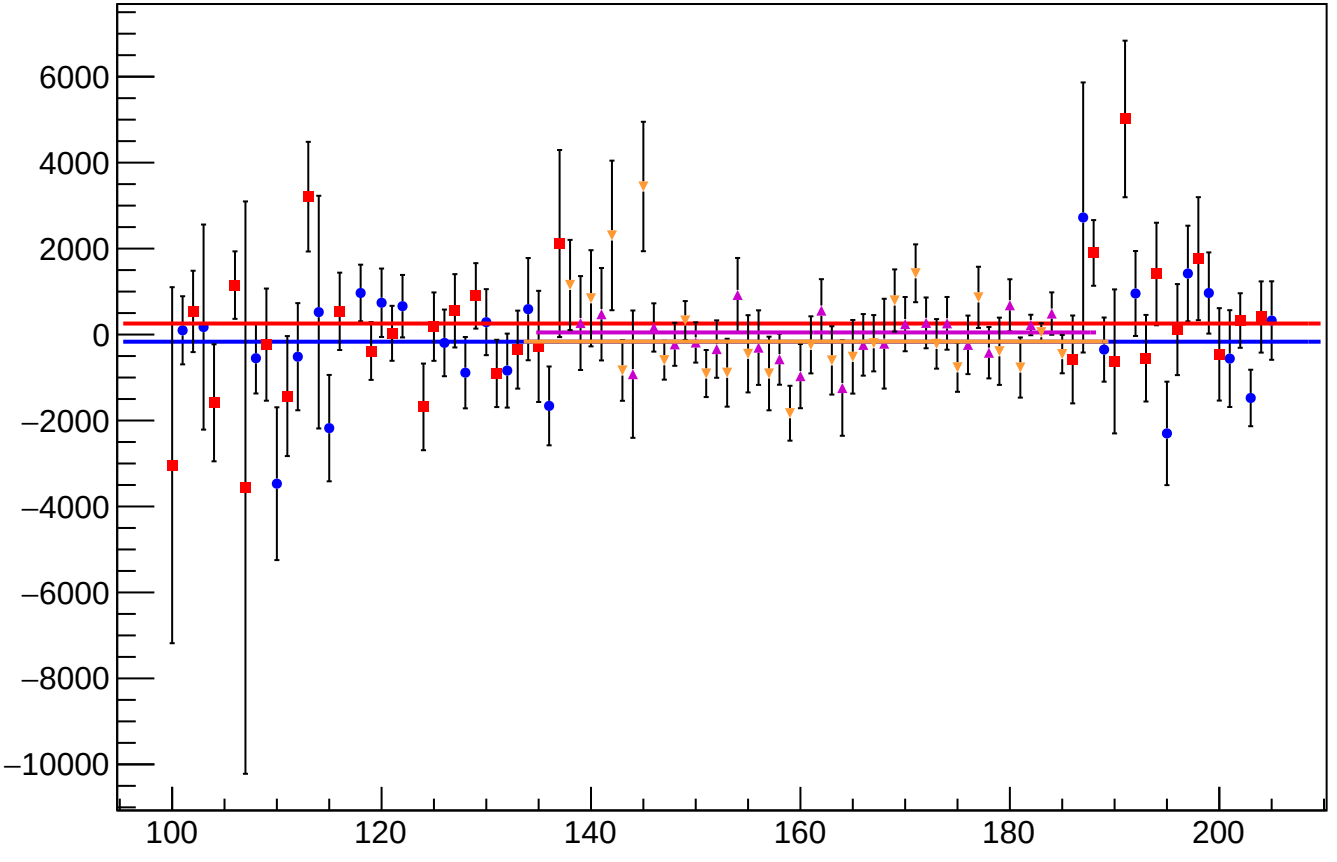
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.223+/-0.226 χ^2/NDF: 693354.8/49

All: 1846.917+/-0.160 χ^2/NDF: 1466441.8/10

- sign 1851.650+/-0.227 χ^2/NDF: 772222.9/52

asym_at1_avg_reg_correction_mean vs Slug



Right In: -166.388+/-186.746 χ^2/NDF: 30.1/24

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 256.603+/-178.205 χ^2/NDF: 36.0/29

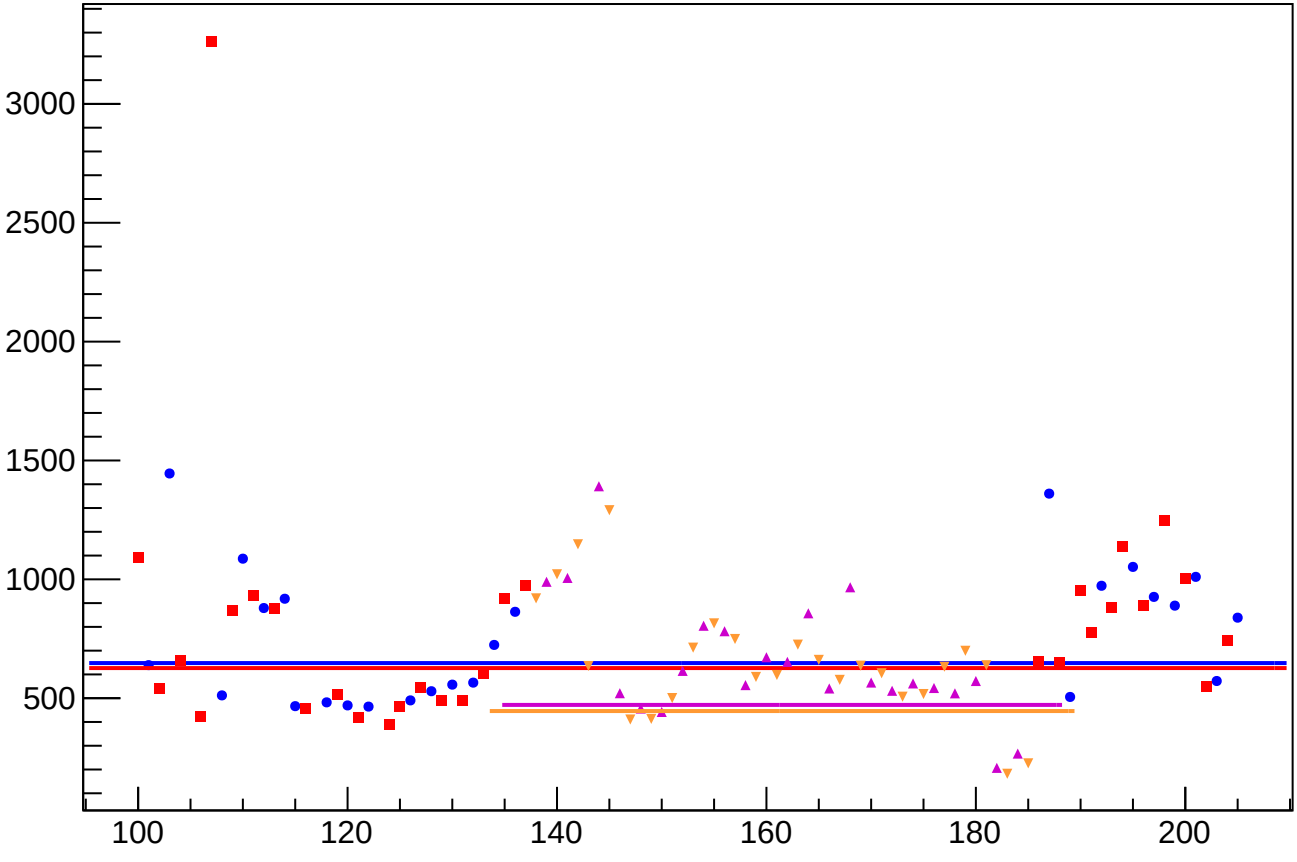
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -163.932+/-98.104 χ^2/NDF: 66.9/49

All: -28.135+/-70.391 χ^2/NDF: 119.1/102

- sign 115.957+/-101.056 χ^2/NDF: 48.2/52

asym_at1_avg_reg_correction_rms vs Slug



Right In: 647.758+/-0.132 χ^2/NDF: 2368712.2/24

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.705+/-0.126 χ^2/NDF: 2956353.7/29

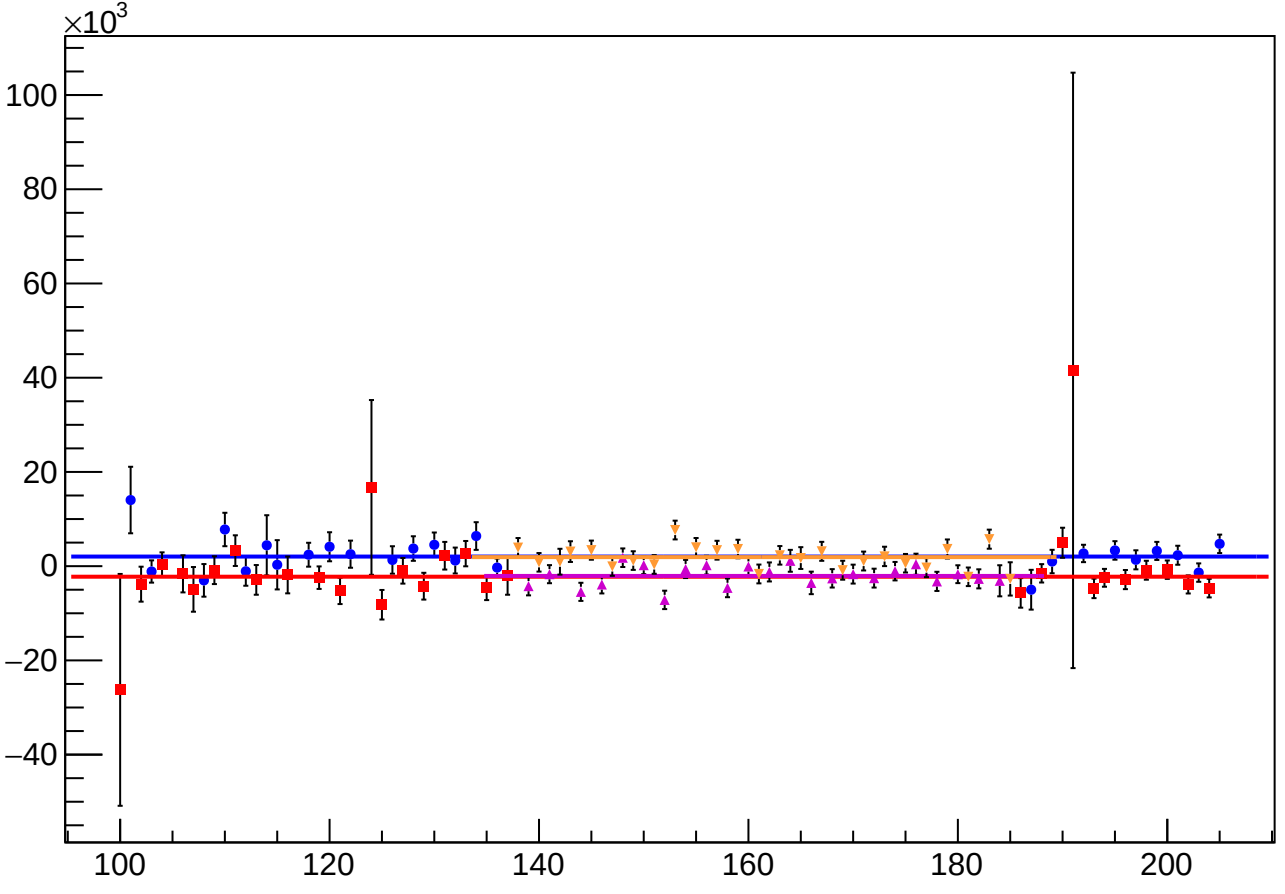
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 501.603+/-0.069 χ^2/NDF: 12043168.7/49

All: 511.294+/-0.050 χ^2/NDF: 22479606.9/10

- sign 521.577+/-0.071 χ^2/NDF: 10396212.4/52

cor_asym_at1_avg_mean vs Slug



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2237.247+/-494.009 χ^2/NDF: 30.4/29

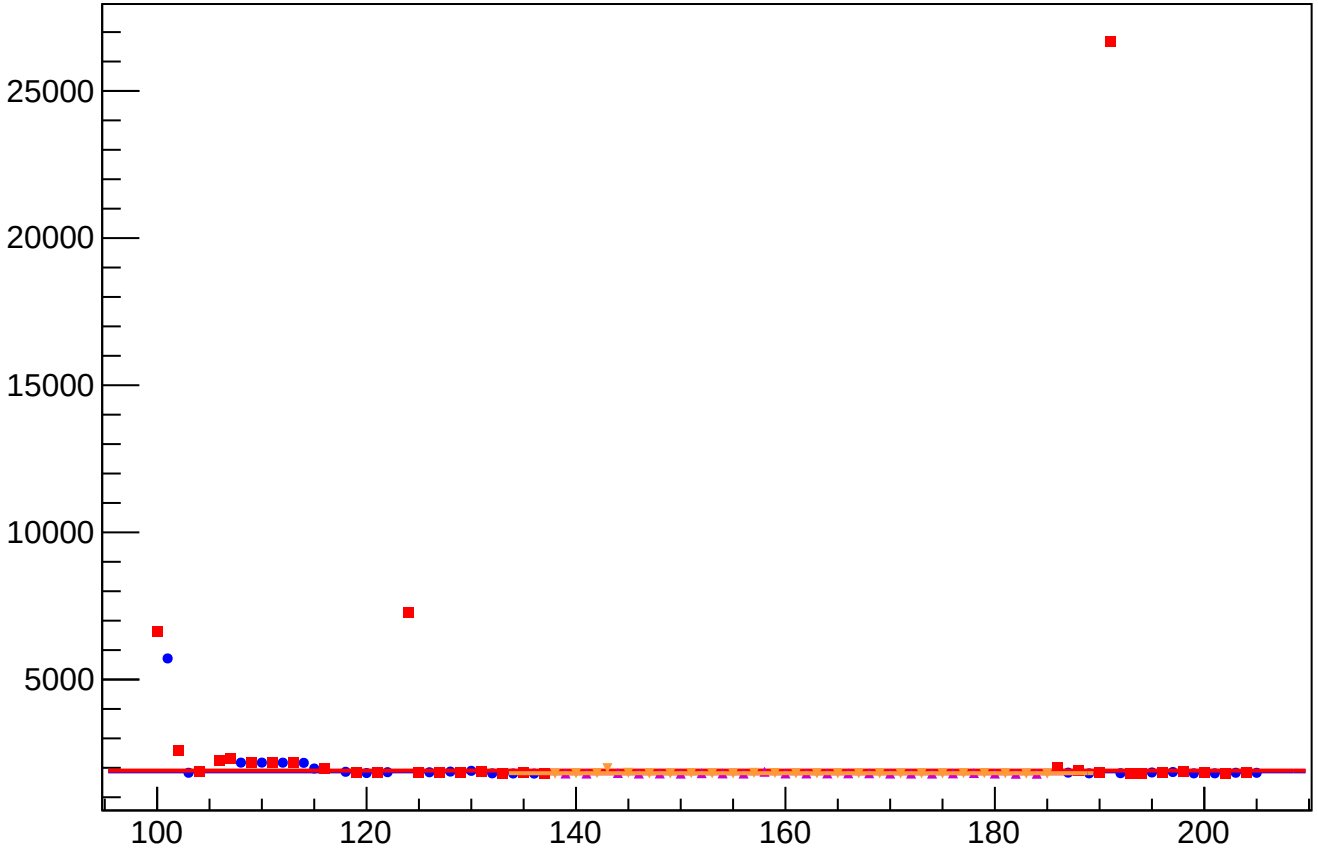
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1967.829+/-319.991 χ^2/NDF: 58.0/49

All: -78.724+/-226.762 χ^2/NDF: 197.1/102

- sign -2143.272+/-321.395 χ^2/NDF: 57.0/52

cor_asym_at1_avg_rms vs Slug



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

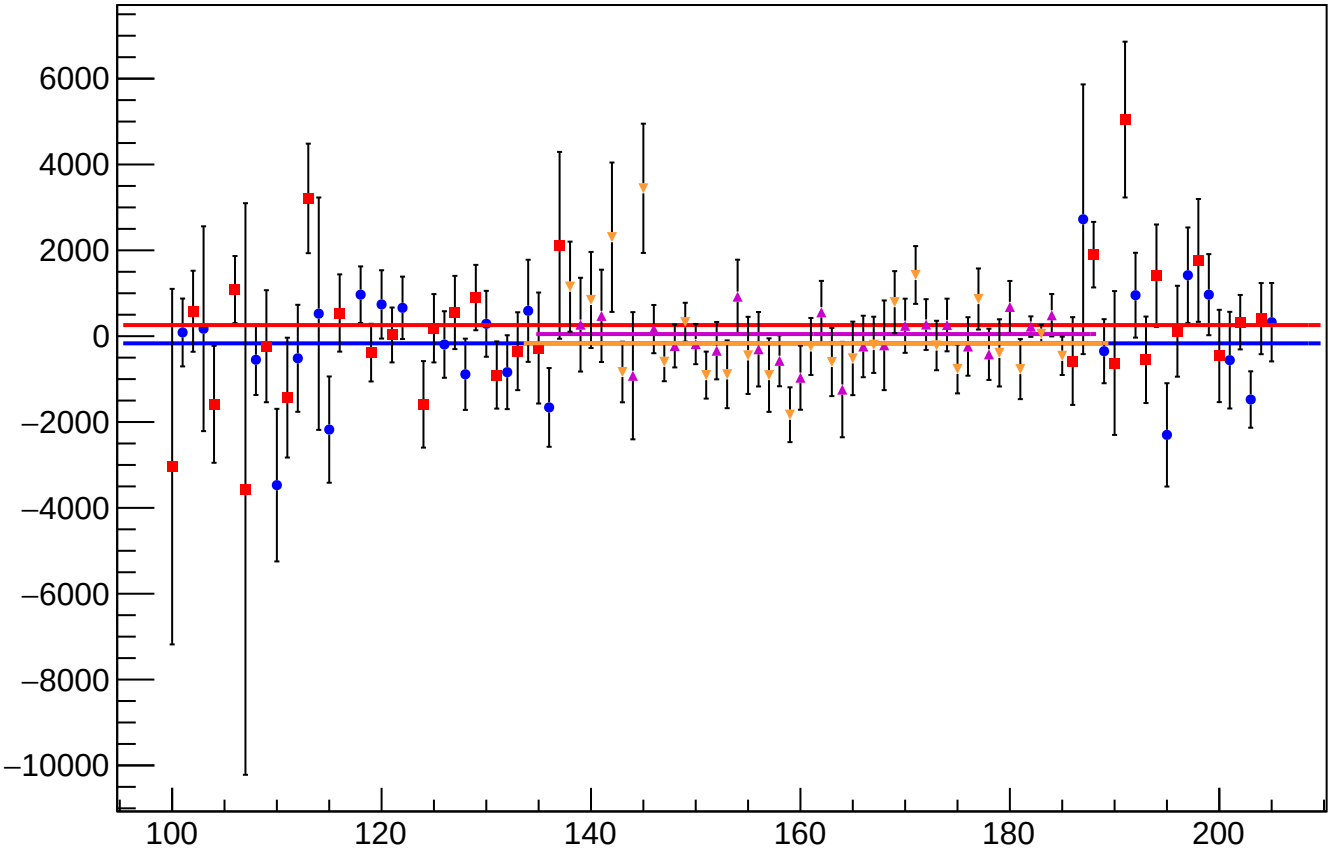
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.223+/-0.226 χ^2/NDF: 693354.7/49

All: 1847.028+/-0.160 χ^2/NDF: 1470530.4/10

- sign 1851.874+/-0.227 χ^2/NDF: 776270.1/52

asym_at1_avg_cor_correction_mean vs Slug



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 258.766+/-178.128 χ^2/NDF: 35.6/29

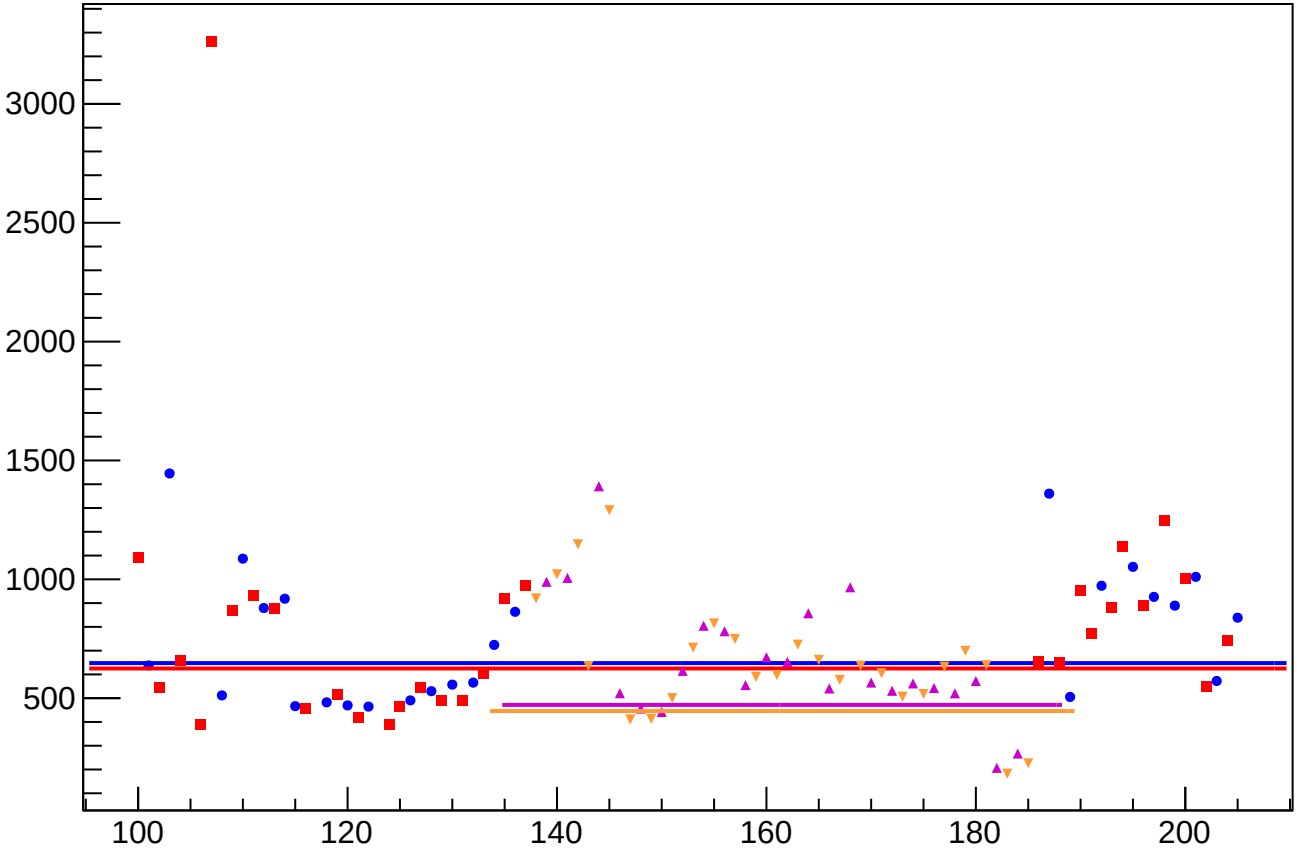
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -164.010+/-98.098 χ^2/NDF: 66.9/49

All: -27.802+/-70.384 χ^2/NDF: 118.8/102

- sign 116.708+/-101.043 χ^2/NDF: 47.9/52

asym_at1_avg_cor_correction_rms vs Slug



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

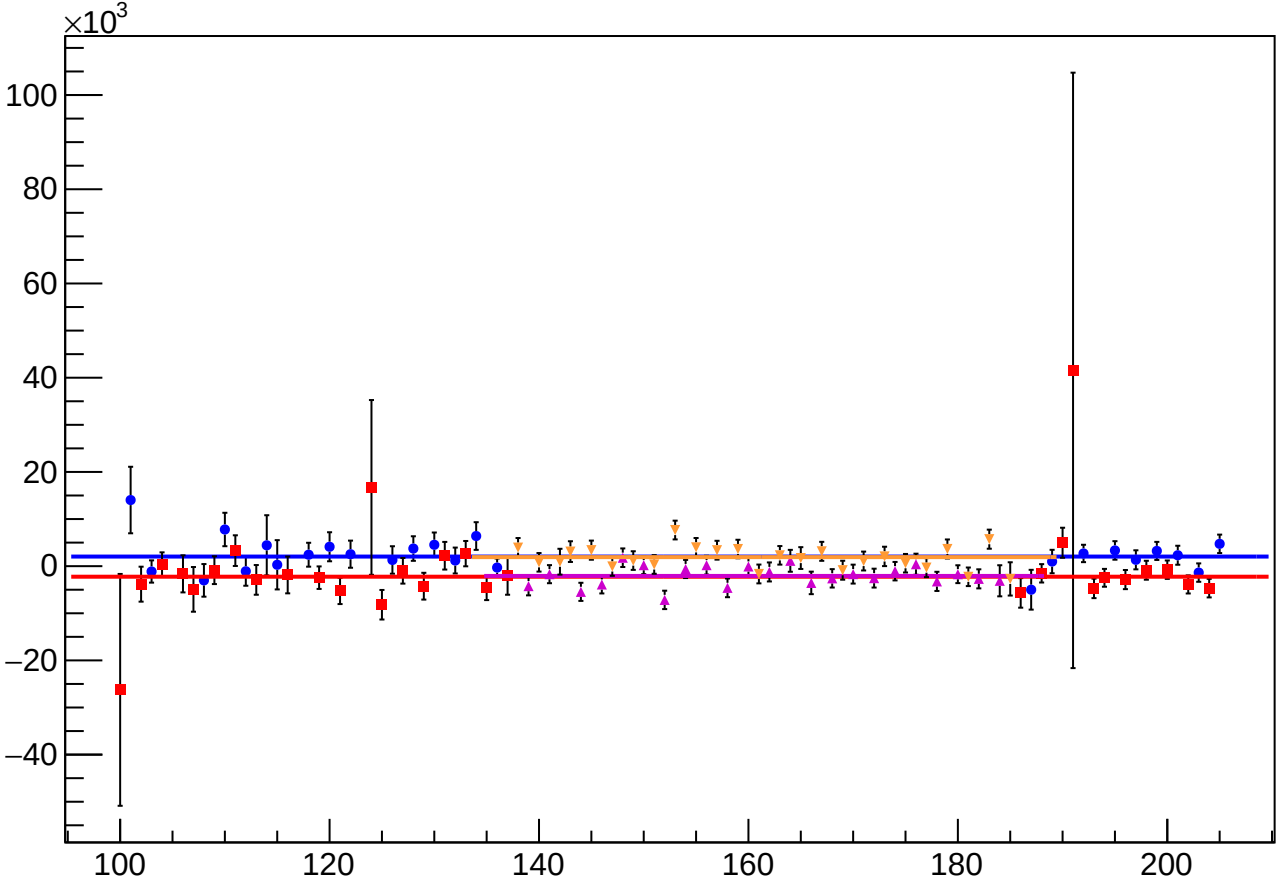
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 501.571+/-0.069 χ^2/NDF: 12044221.3/49

All: 511.023+/-0.050 χ^2/NDF: 22504359.5/10

- sign 521.052+/-0.071 χ^2/NDF: 10421868.6/52

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2237.247+/-494.009 χ^2/NDF: 30.4/29

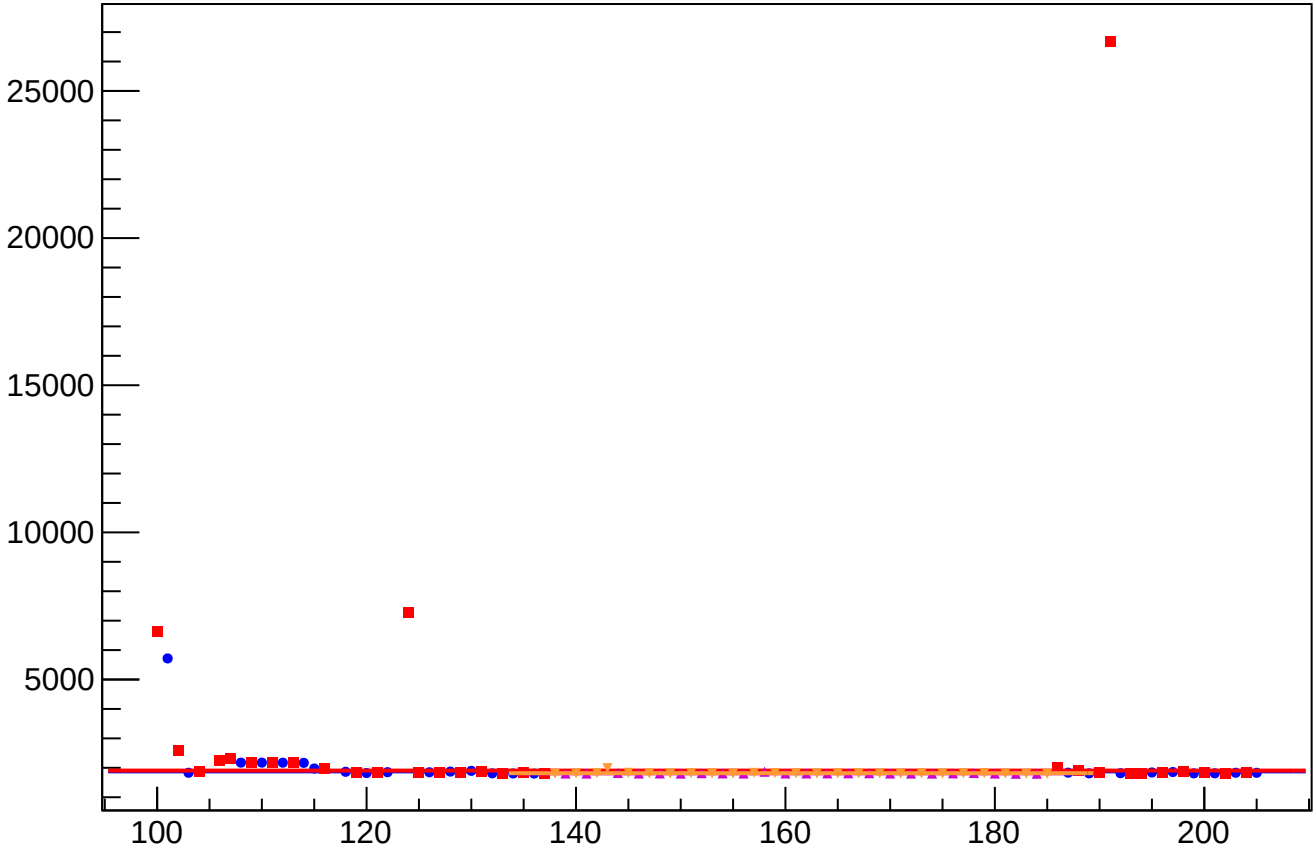
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1967.829+/-319.991 χ^2/NDF: 58.0/49

All: -78.724+/-226.762 χ^2/NDF: 197.1/102

- sign -2143.272+/-321.395 χ^2/NDF: 57.0/52

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

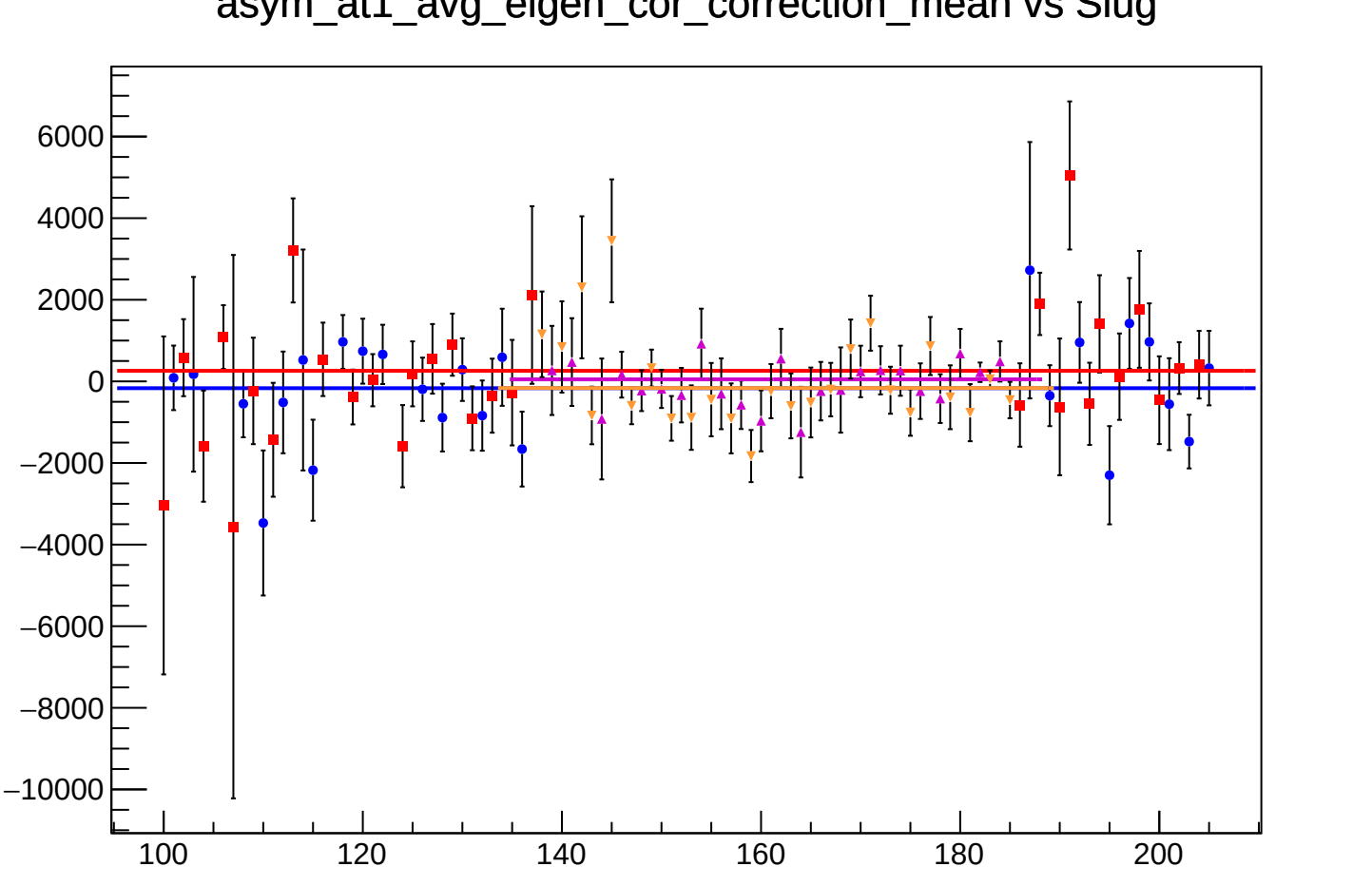
Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.223+/-0.226 χ^2/NDF: 693354.7/49

All: 1847.028+/-0.160 χ^2/NDF: 1470530.4/10

- sign 1851.874+/-0.227 χ^2/NDF: 776270.1/52



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 258.766+/-178.128 χ^2/NDF: 35.6/29

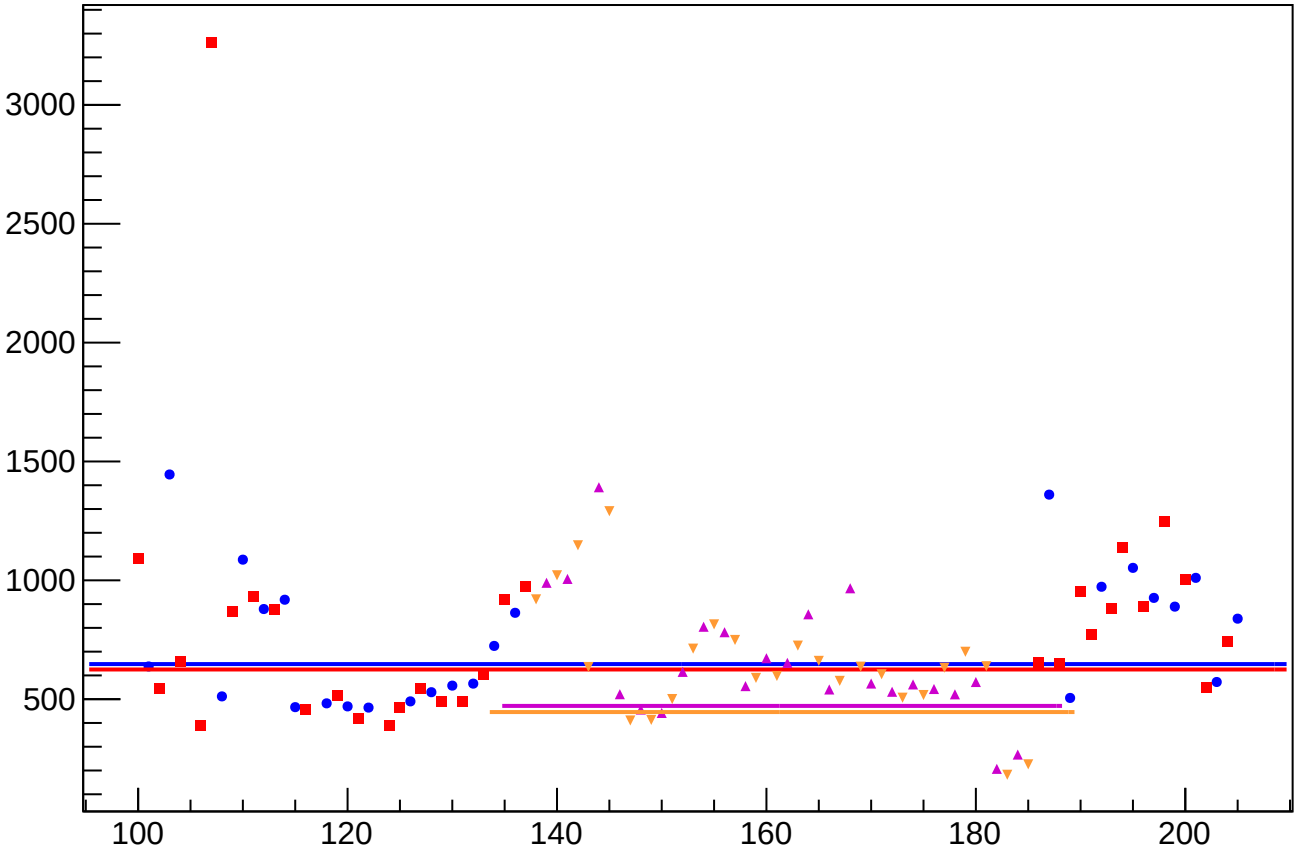
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -164.010+/-98.098 χ^2/NDF: 66.9/49

All: -27.802+/-70.384 χ^2/NDF: 118.8/102

- sign 116.708+/-101.043 χ^2/NDF: 47.9/52

asym_at1_avg_eigen_cor_correction_rms vs Slug



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Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

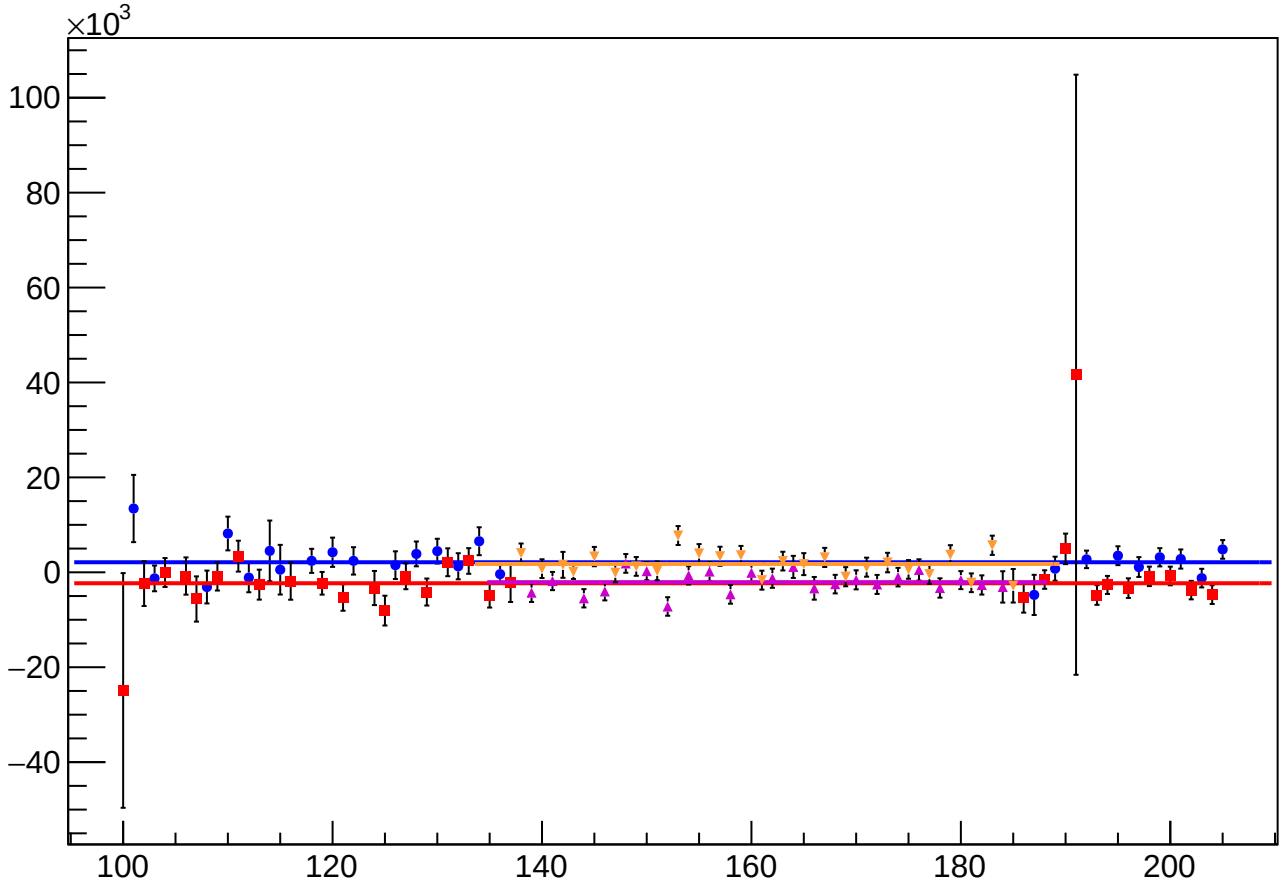
Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 501.571+/-0.069 χ^2/NDF: 12044221.3/49

All: 511.023+/-0.050 χ^2/NDF: 22504359.5/10

- sign 521.052+/-0.071 χ^2/NDF: 10421868.6/52



Right In: 2118.738+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2305.898+/-496.142 χ^2/NDF: 28.4/29

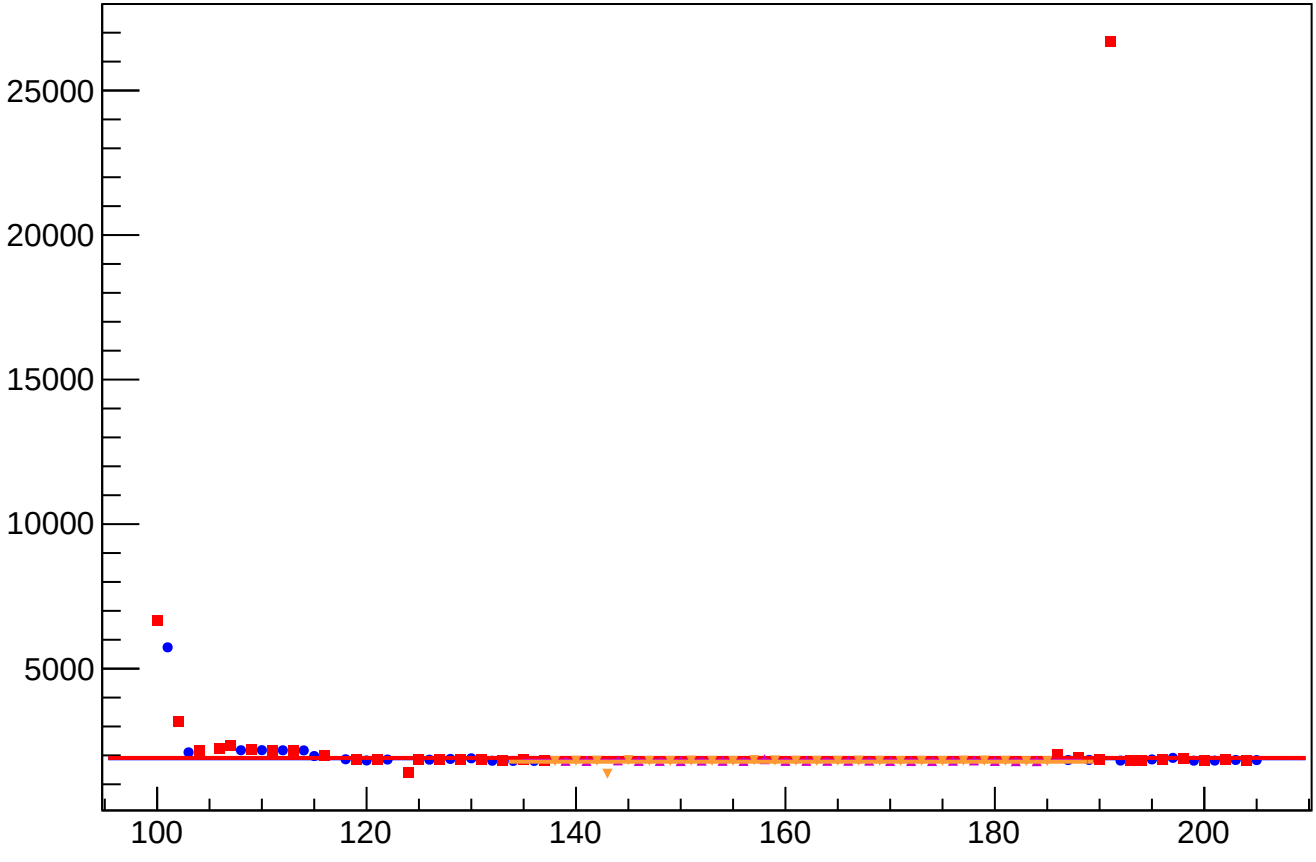
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1895.522+/-317.796 χ^2/NDF: 59.6/49

All: -110.138+/-226.248 χ^2/NDF: 195.9/102

- sign -2171.461+/-322.176 χ^2/NDF: 55.5/52

dit_asym_at1_avg_rms vs Slug



Right In: 1899.348+/-0.362 χ^2/NDF: 671490.6/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1912.370+/-0.351 χ^2/NDF: 688942.7/29

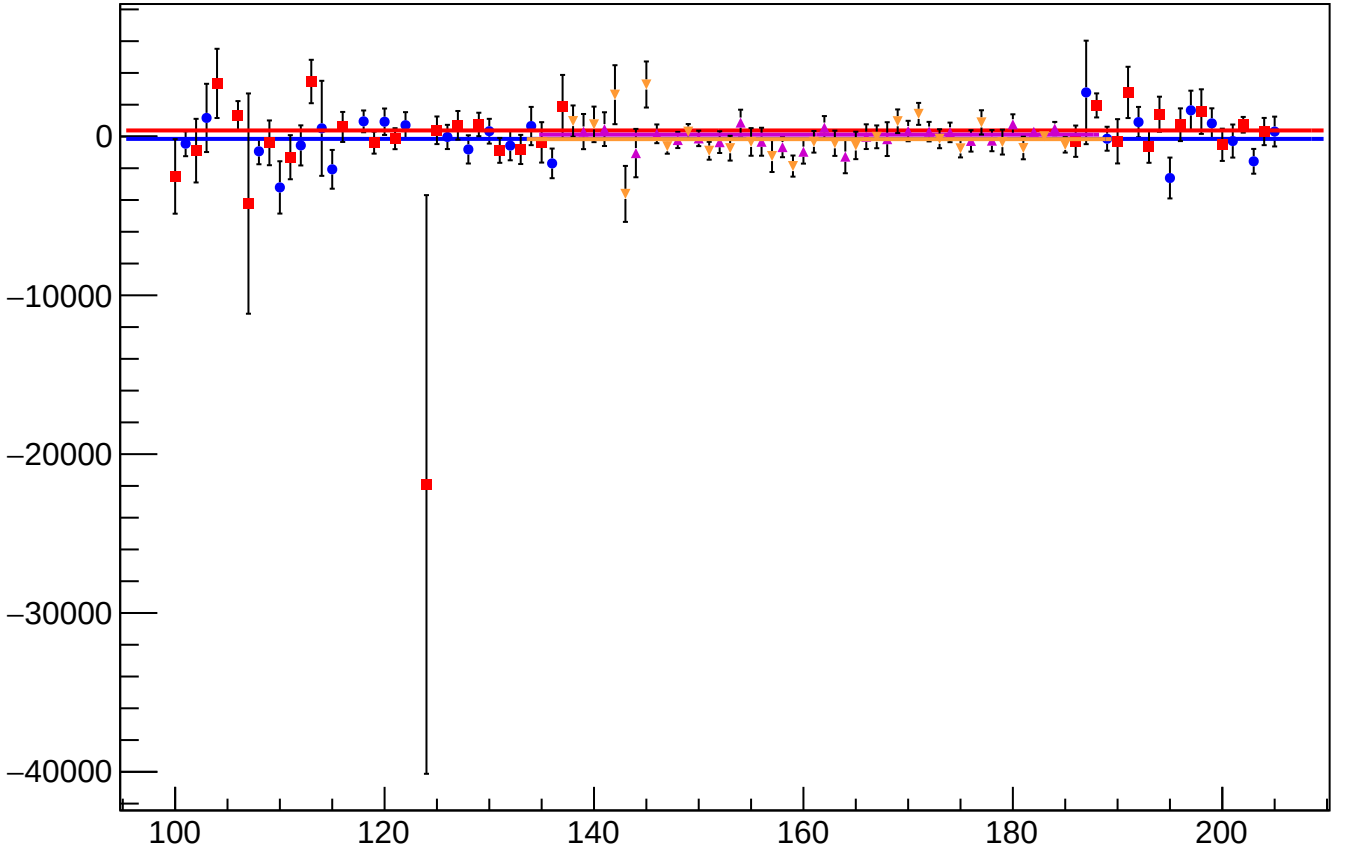
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.569+/-0.225 χ^2/NDF: 902228.5/49

All: 1840.950+/-0.160 χ^2/NDF: 1646640.1/10

- sign 1855.731+/-0.228 χ^2/NDF: 736106.3/52

asym_at1_avg_dit_correction_mean vs Slug



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 379.150+/-181.735 χ^2/NDF: 32.2/29

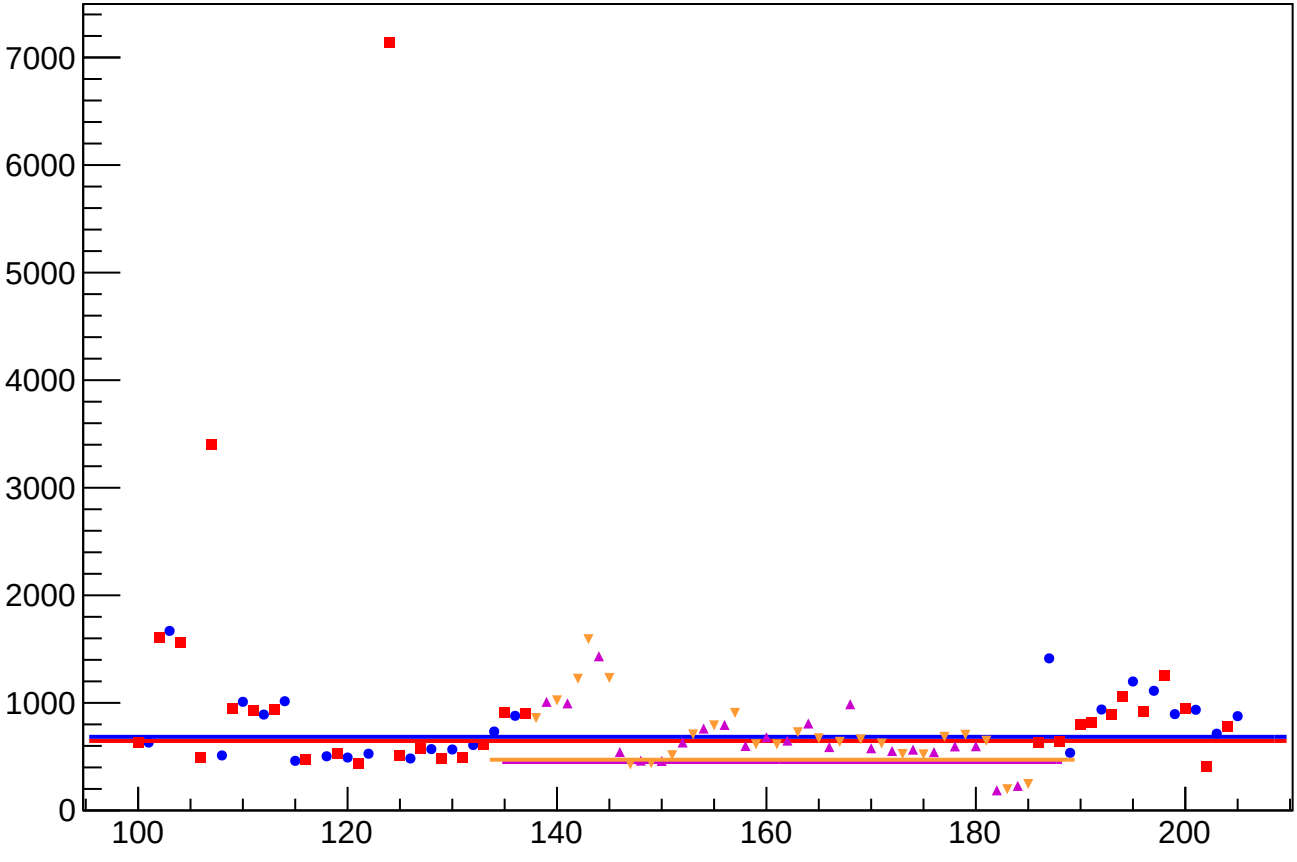
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -163.695+/-102.903 χ^2/NDF: 68.0/49

All: 21.559+/-71.717 χ^2/NDF: 120.3/102

- sign 196.530+/-100.006 χ^2/NDF: 46.0/52

asym_at1_avg_dit_correction_rms vs Slug



Right In: 684.480+/-0.136 χ^2/NDF: 2566684.4/24

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045268.4/29

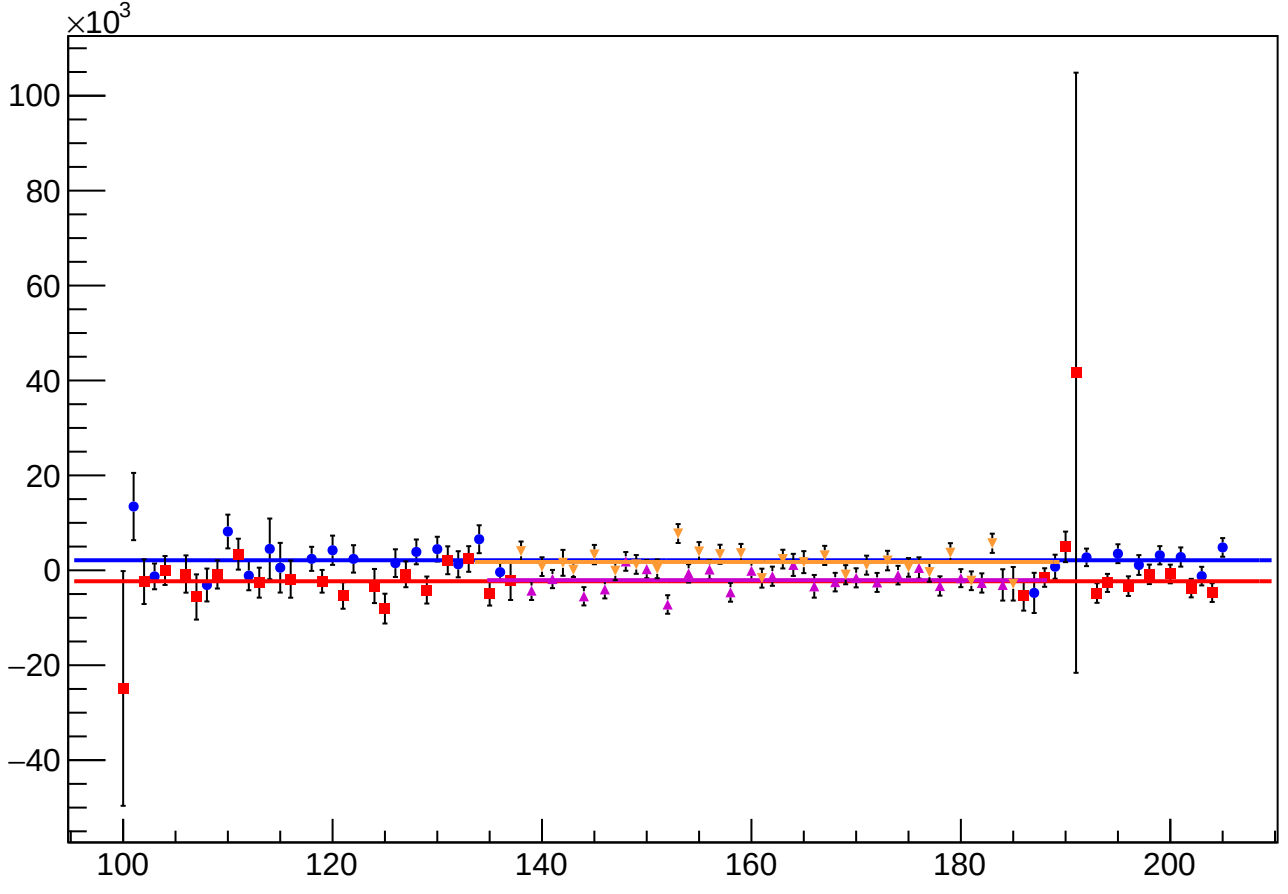
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 532.229+/-0.073 χ^2/NDF: 12417721.4/49

All: 520.712+/-0.051 χ^2/NDF: 26052644.8/10

- sign 509.834+/-0.071 χ^2/NDF: 13586211.1/52

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2118.737+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2305.896+/-496.142 χ^2/NDF: 28.4/29

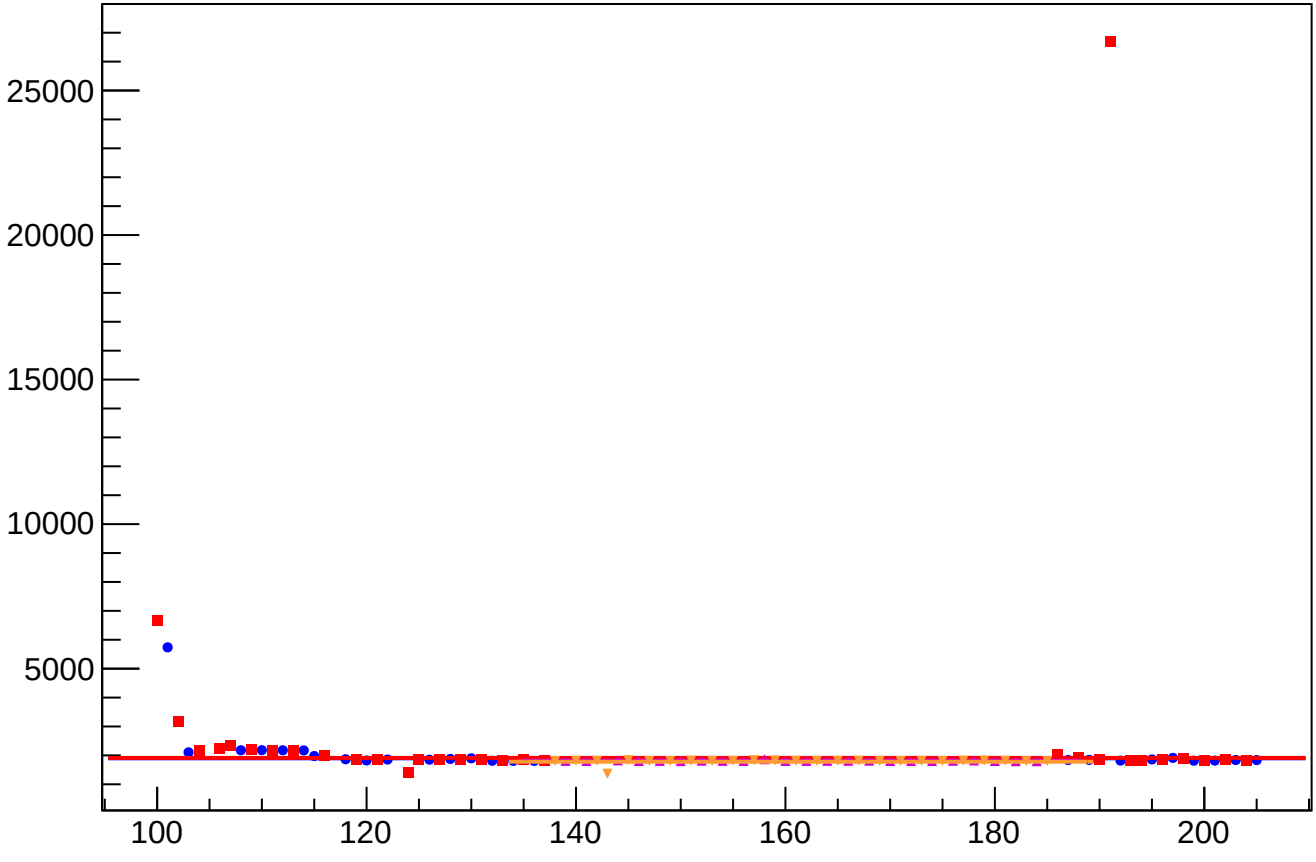
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1895.522+/-317.796 χ^2/NDF: 59.6/49

All: -110.138+/-226.248 χ^2/NDF: 195.9/102

- sign -2171.460+/-322.176 χ^2/NDF: 55.5/52

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1899.347+/-0.362 χ^2/NDF: 671490.2/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1912.370+/-0.351 χ^2/NDF: 688941.3/29

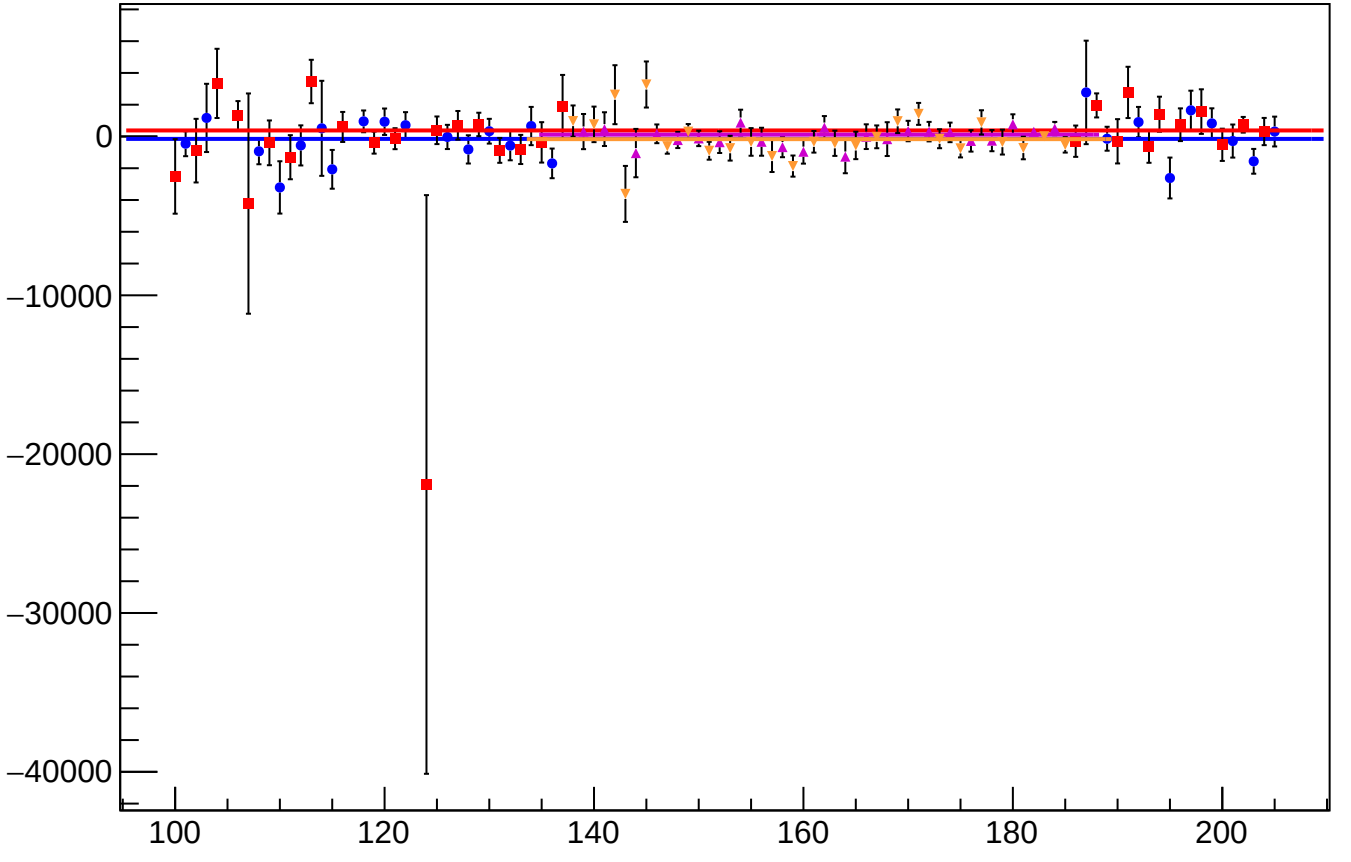
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.569+/-0.225 χ^2/NDF: 902228.0/49

All: 1840.950+/-0.160 χ^2/NDF: 1646638.1/10

- sign 1855.731+/-0.228 χ^2/NDF: 736104.8/52

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 379.149+/-181.735 χ^2/NDF: 32.2/29

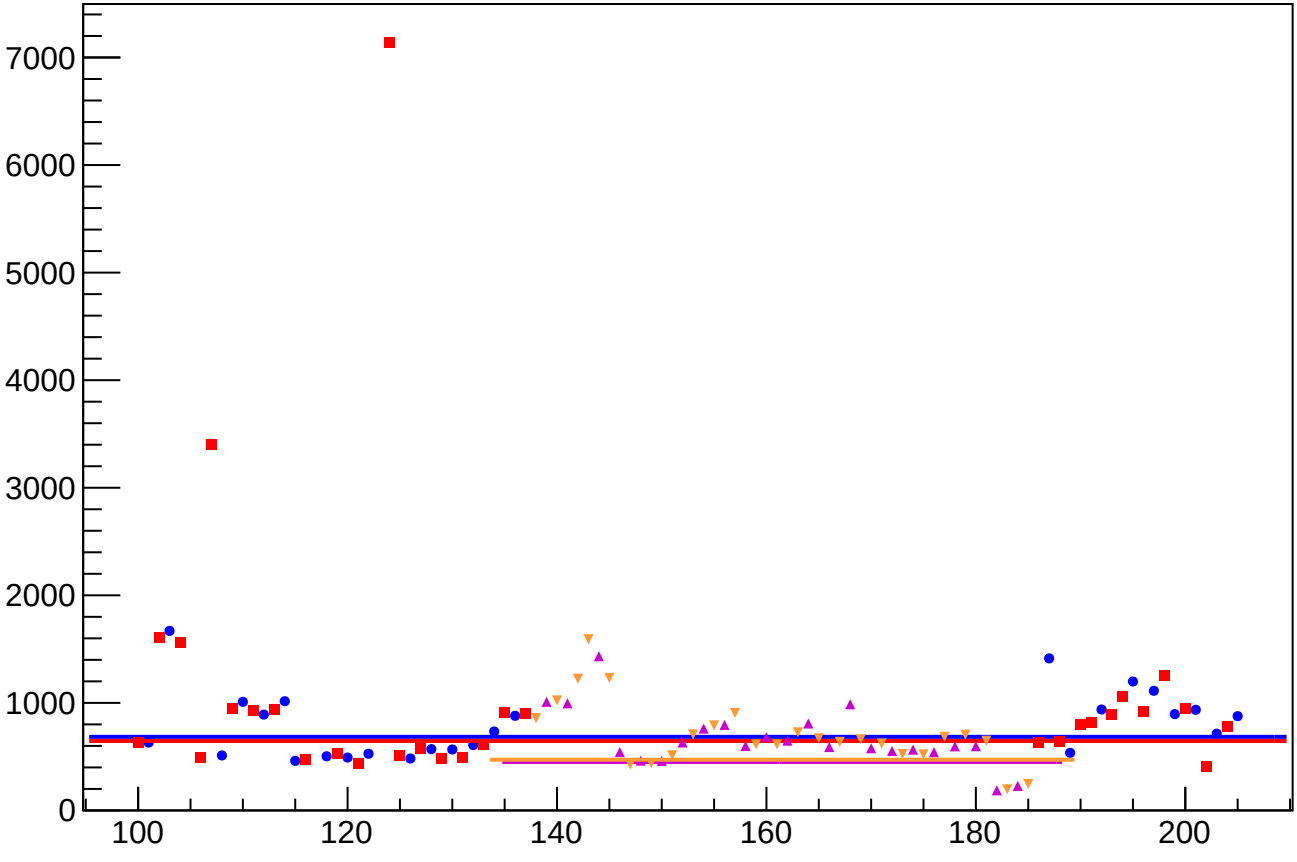
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -163.695+/-102.903 χ^2/NDF: 68.0/49

All: 21.559+/-71.718 χ^2/NDF: 120.3/102

- sign 196.531+/-100.007 χ^2/NDF: 46.0/52

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 684.479+/-0.136 χ^2/NDF: 2566703.9/24

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045275.3/29

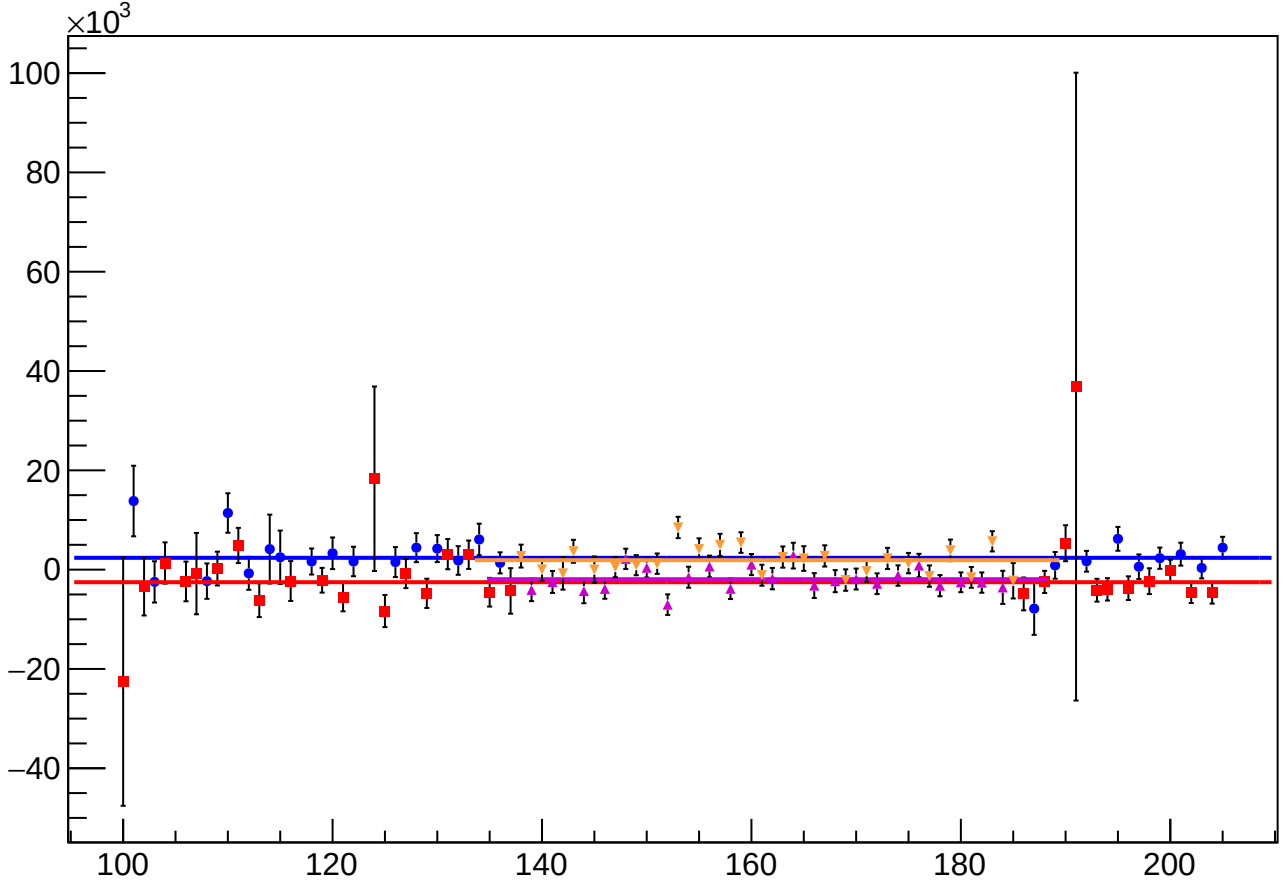
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 532.229+/-0.073 χ^2/NDF: 12417719.9/49

All: 520.713+/-0.051 χ^2/NDF: 26052617.7/10

- sign 509.835+/-0.071 χ^2/NDF: 13586186.9/52

asym_at1_avg_mean vs Slug



Right In: 2382.552+/-567.631 χ^2/NDF: 23.8/24

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2528.631+/-558.055 χ^2/NDF: 31.8/29

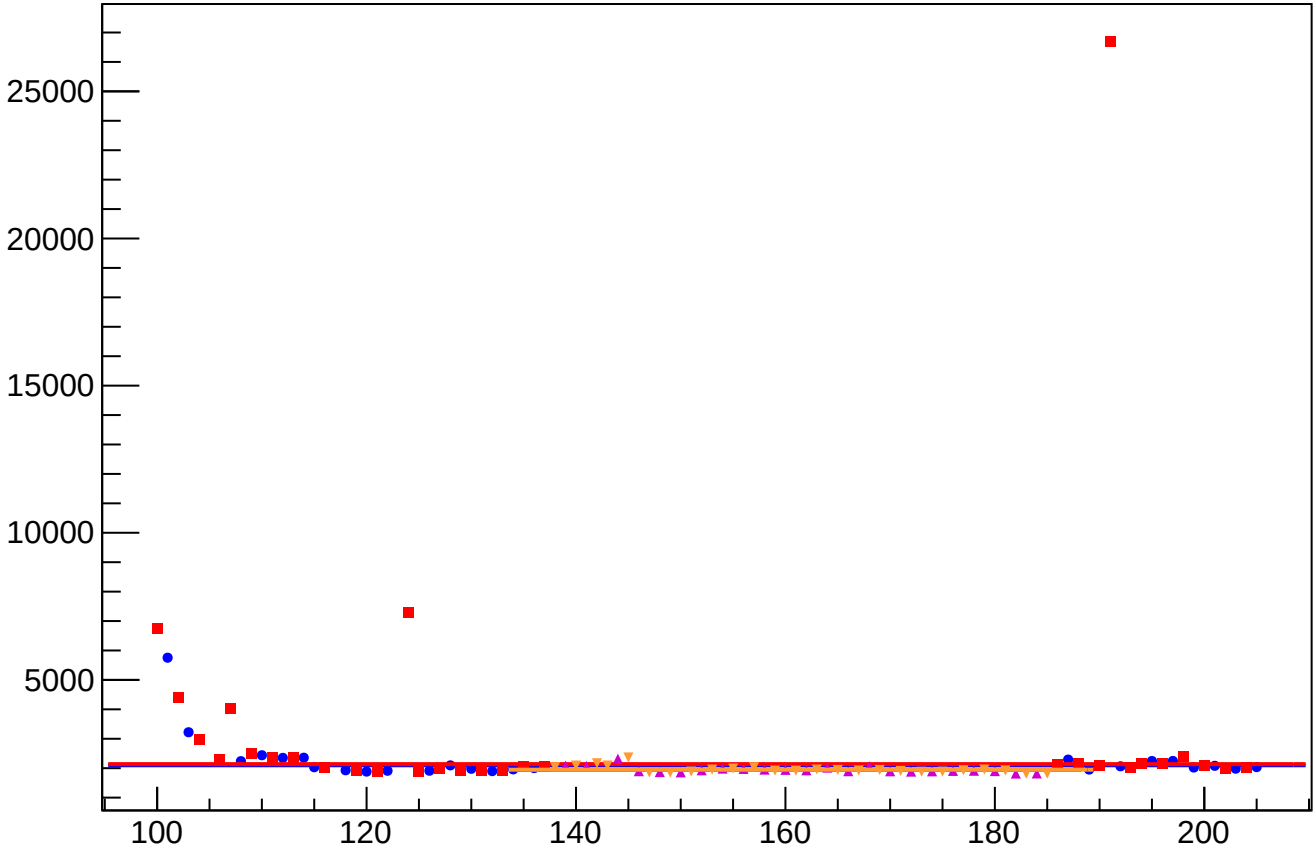
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2087.502+/-349.489 χ^2/NDF: 60.5/49

All: -20.929+/-248.214 χ^2/NDF: 191.3/102

- sign -2166.905+/-352.587 χ^2/NDF: 57.3/52

asym_at1_avg_rms vs Slug



Right In: 2099.562+/-0.401 χ^2/NDF: 795039.2/24

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

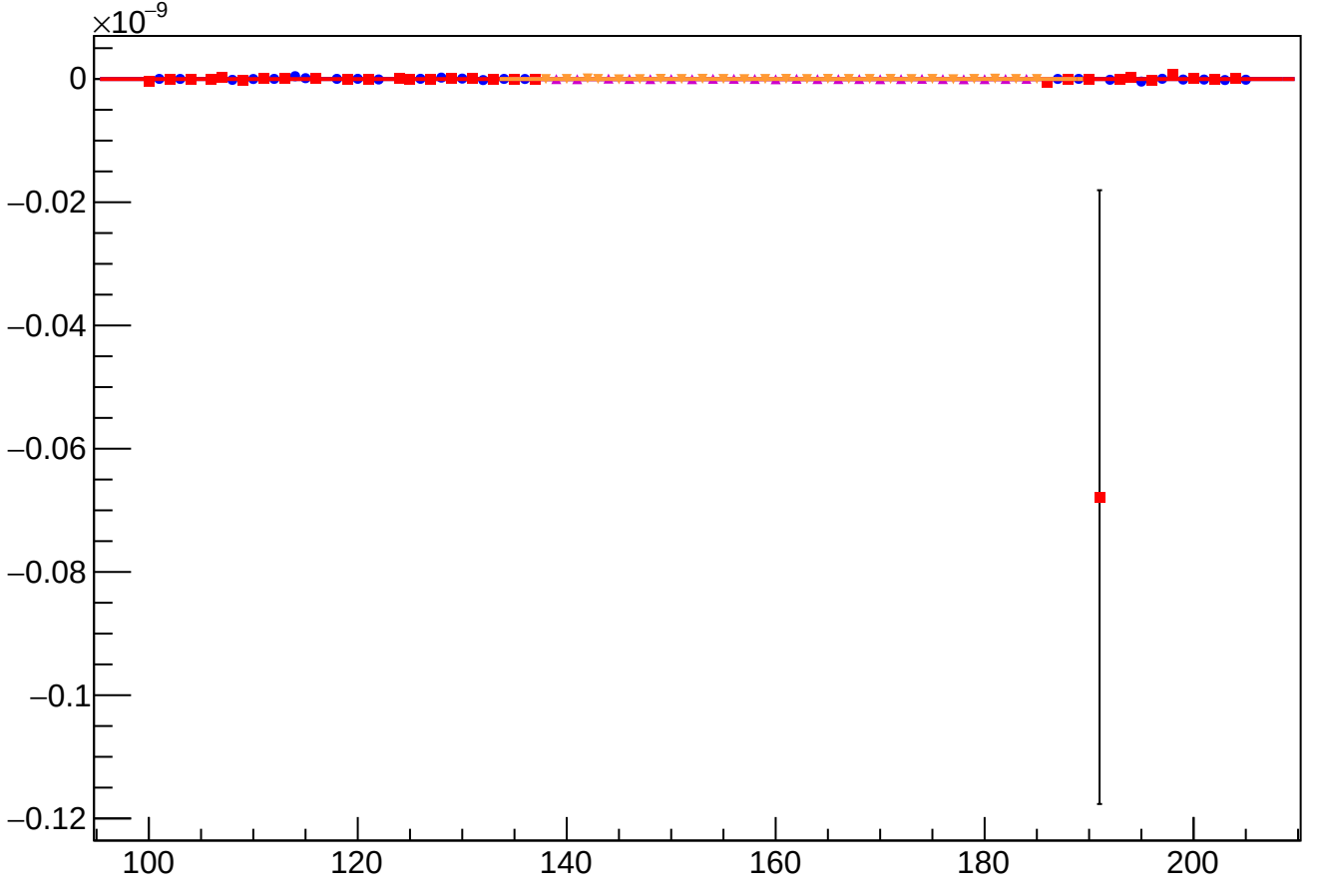
Right Out: 2138.162+/-0.395 χ^2/NDF: 1174365.2/29

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2006.076+/-0.247 χ^2/NDF: 990932.1/49

All: 2014.061+/-0.176 χ^2/NDF: 2407127.5/10

- sign 2022.188+/-0.249 χ^2/NDF: 1414089.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/29

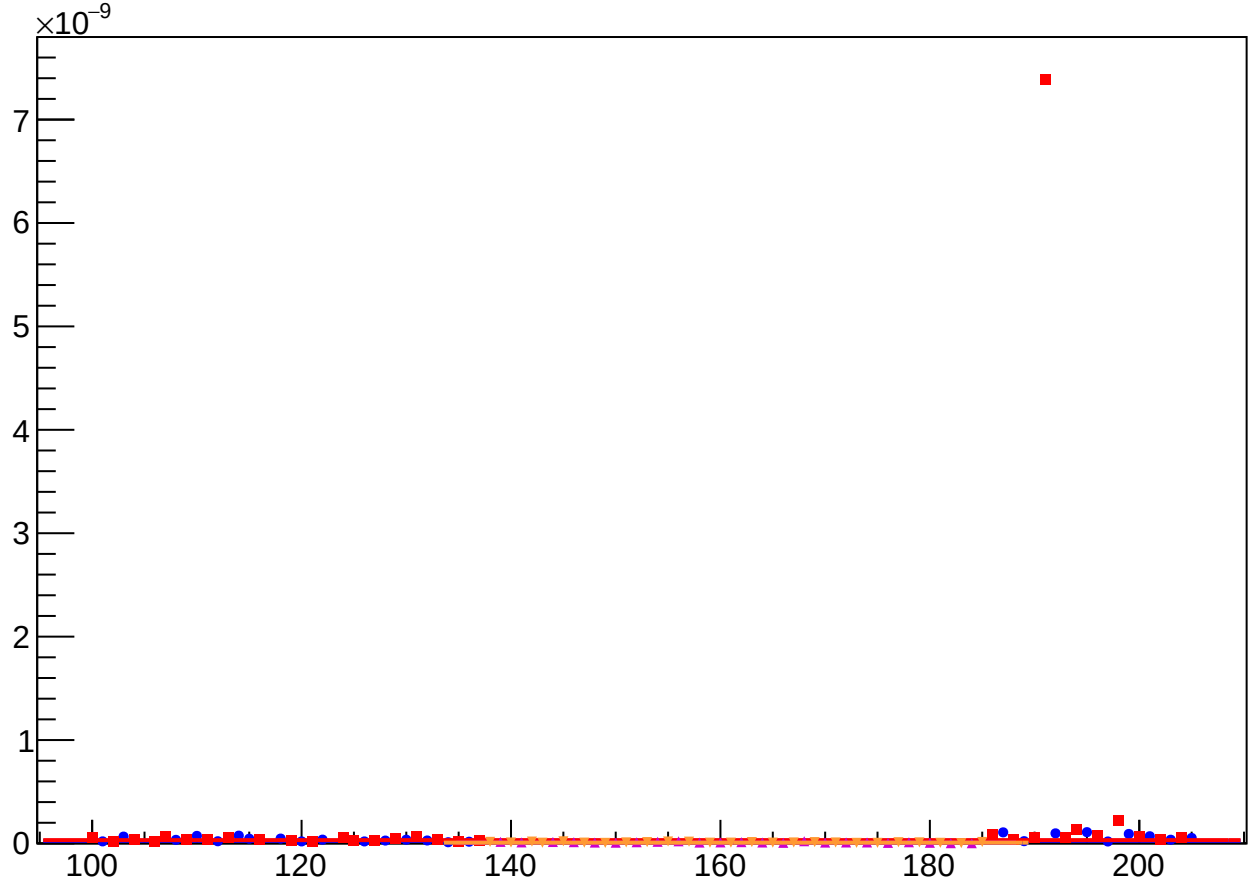
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.8/49

All: 0.000+/-0.000 χ^2/NDF: 121.5/102

- sign 0.000+/-0.000 χ^2/NDF: 62.4/52

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2965245.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2796229.5/29

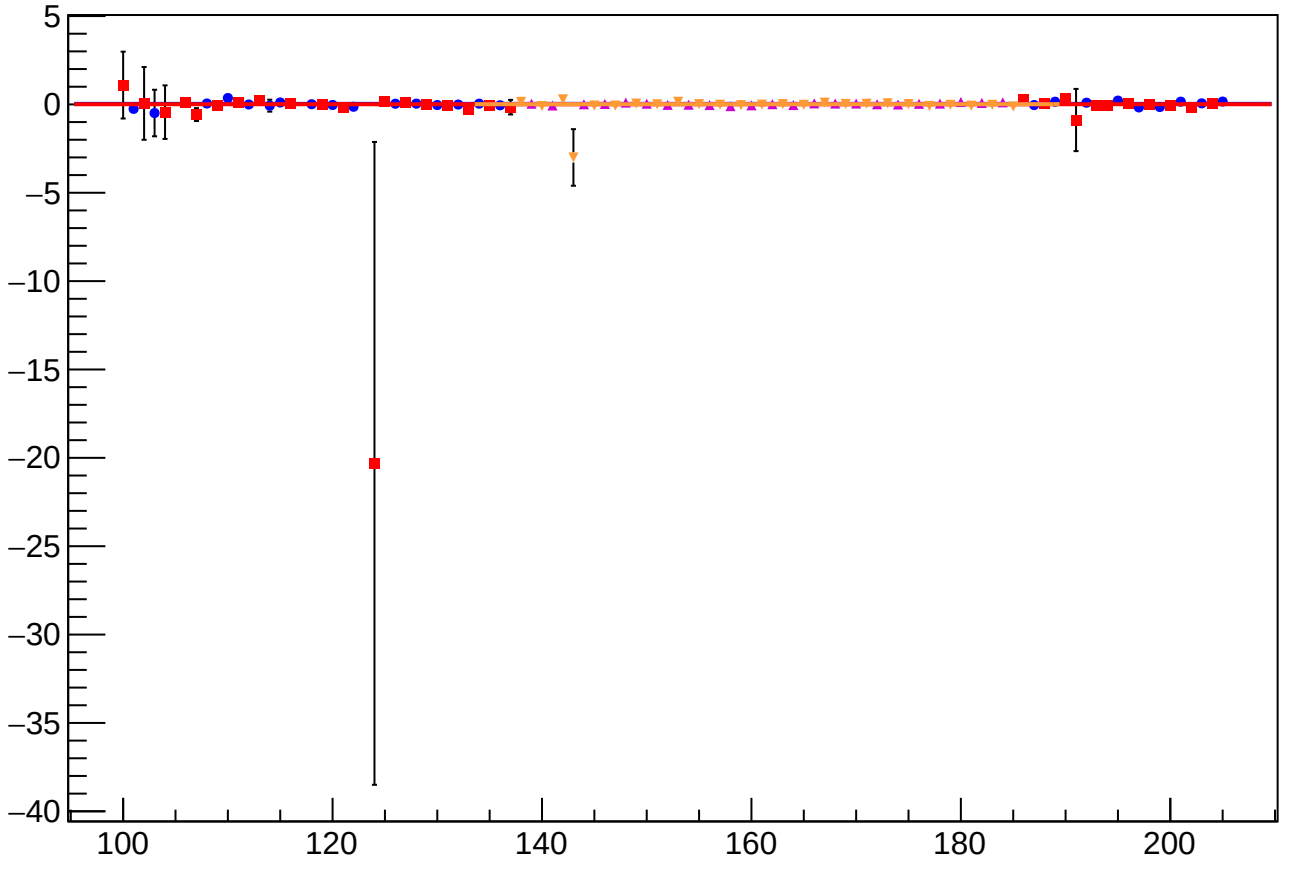
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8351632.3/49

All: 0.000+/-0.000 χ^2/NDF: 18129060.3/102

- sign 0.000+/-0.000 χ^2/NDF: 9775889.1/52

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

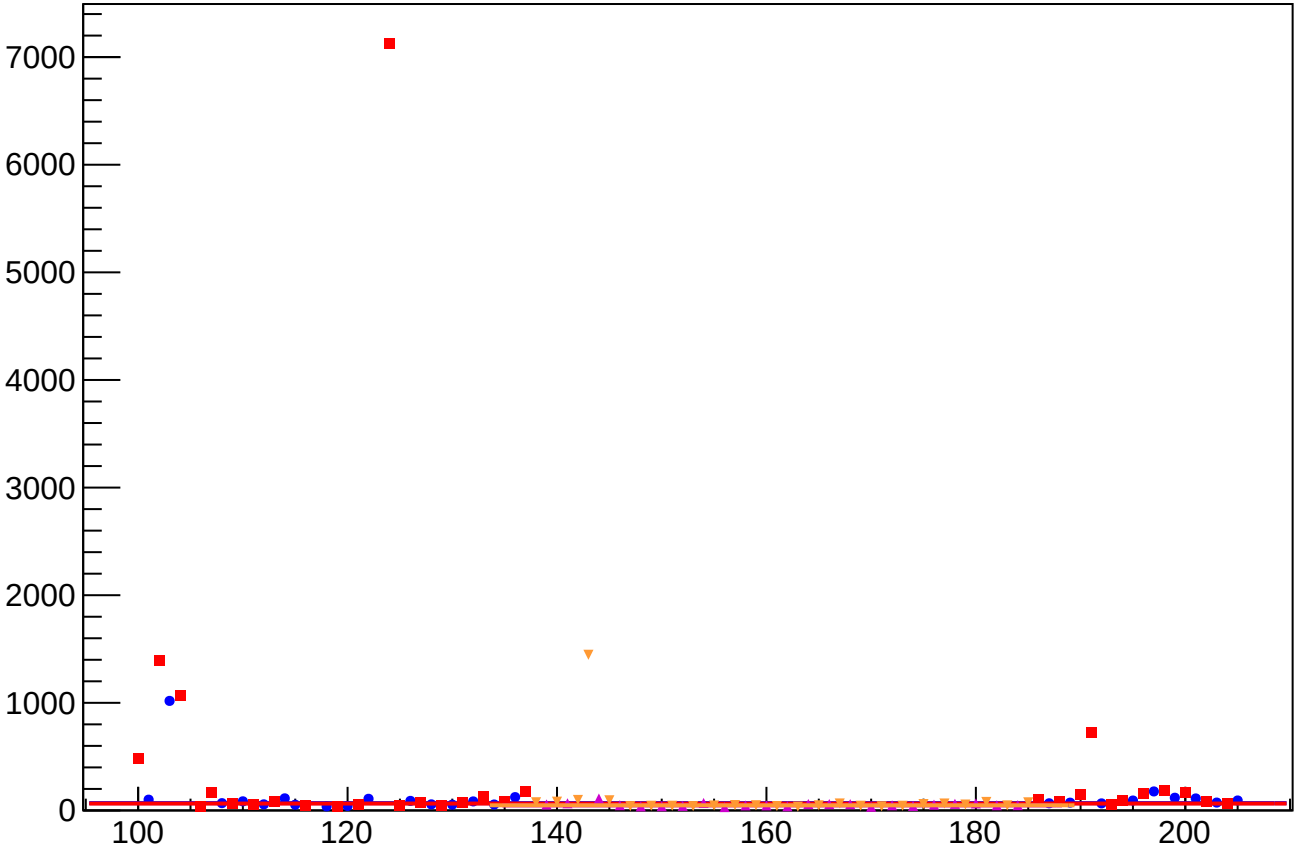
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.016+/-0.008 χ^2/NDF: 99.4/102

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

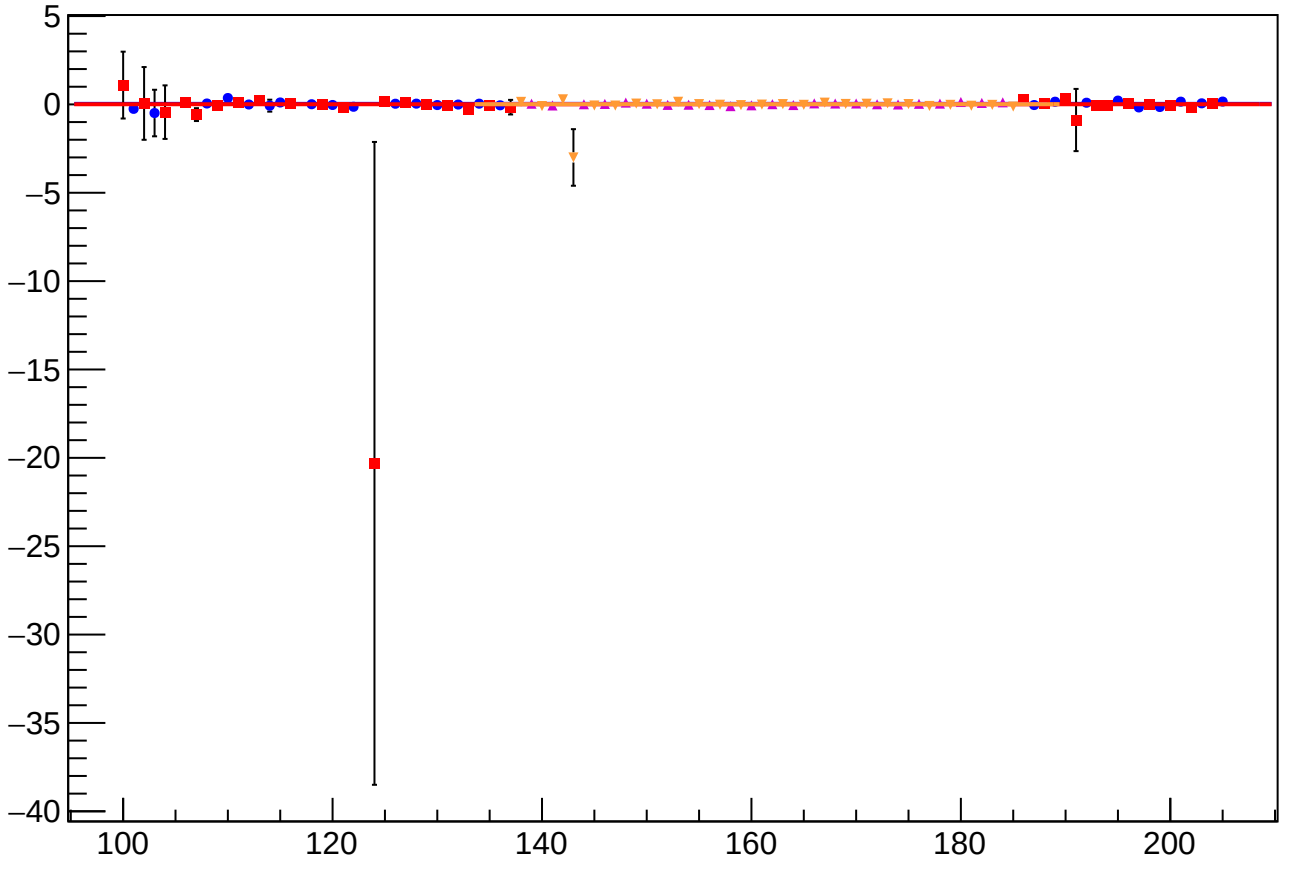
Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661661.9/49

All: 52.008+/-0.005 χ^2/NDF: 17830349.5/102

- sign 51.210+/-0.007 χ^2/NDF: 9145363.6/52



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

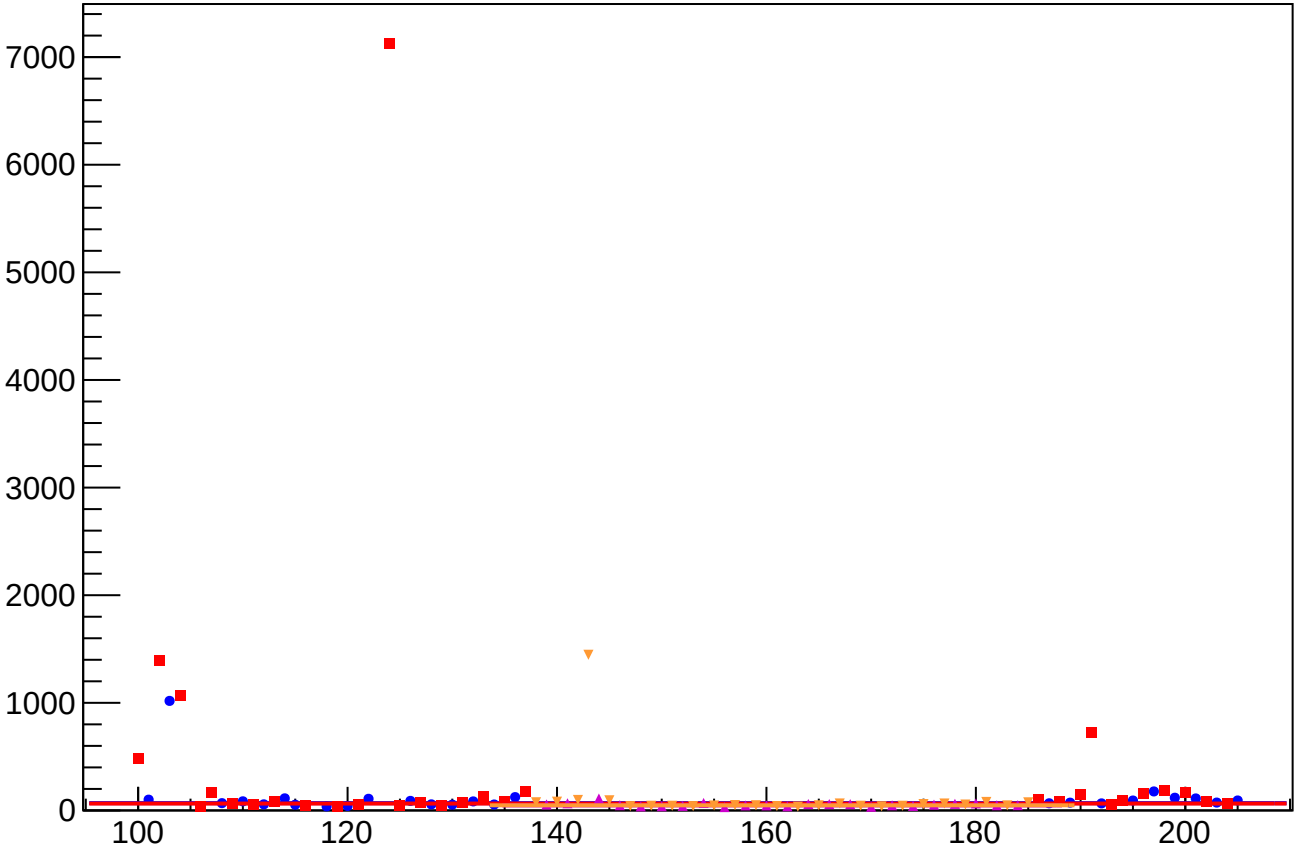
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.016+/-0.008 χ^2/NDF: 99.4/102

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

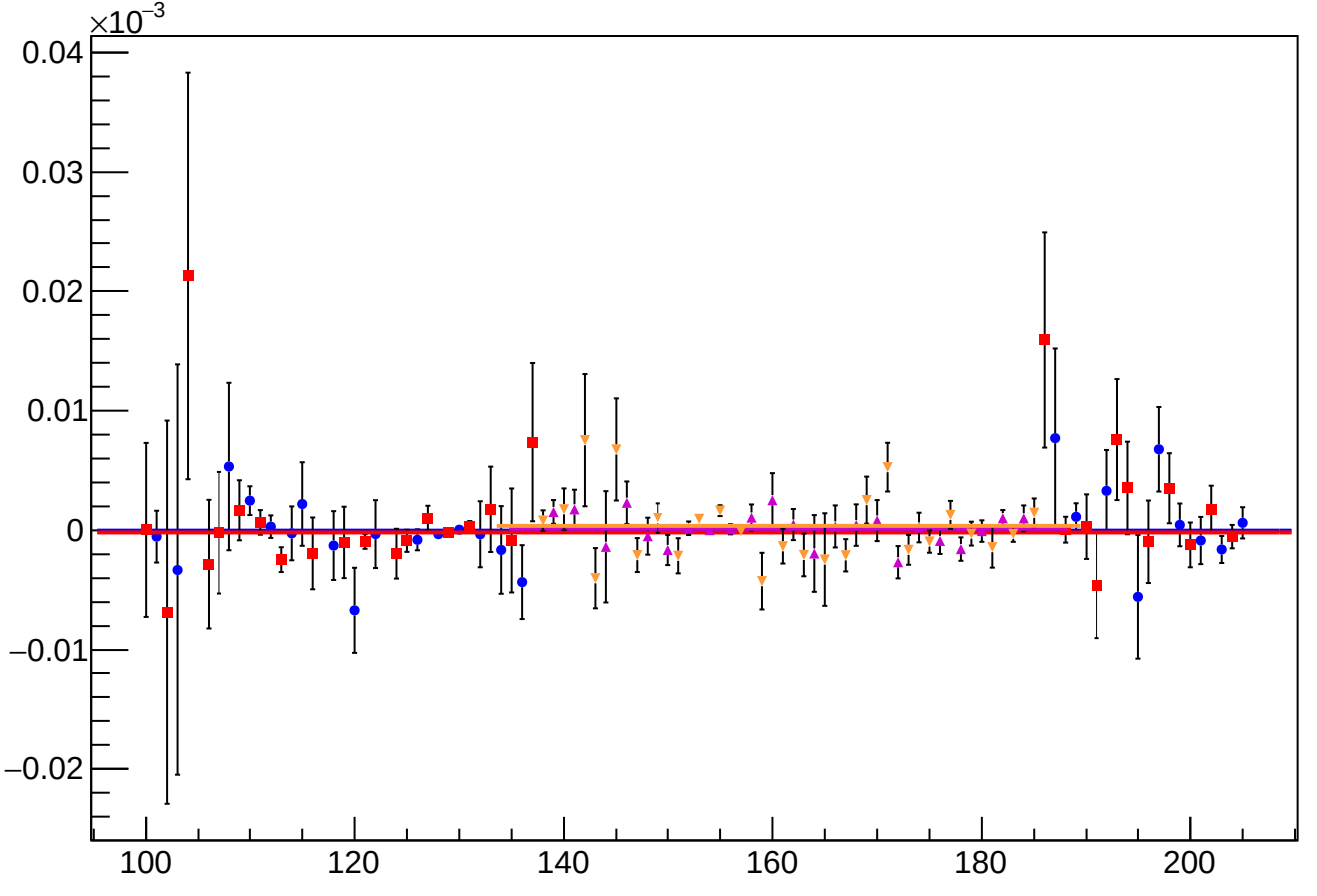
Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661661.9/49

All: 52.008+/-0.005 χ^2/NDF: 17830349.5/102

- sign 51.210+/-0.007 χ^2/NDF: 9145363.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/29

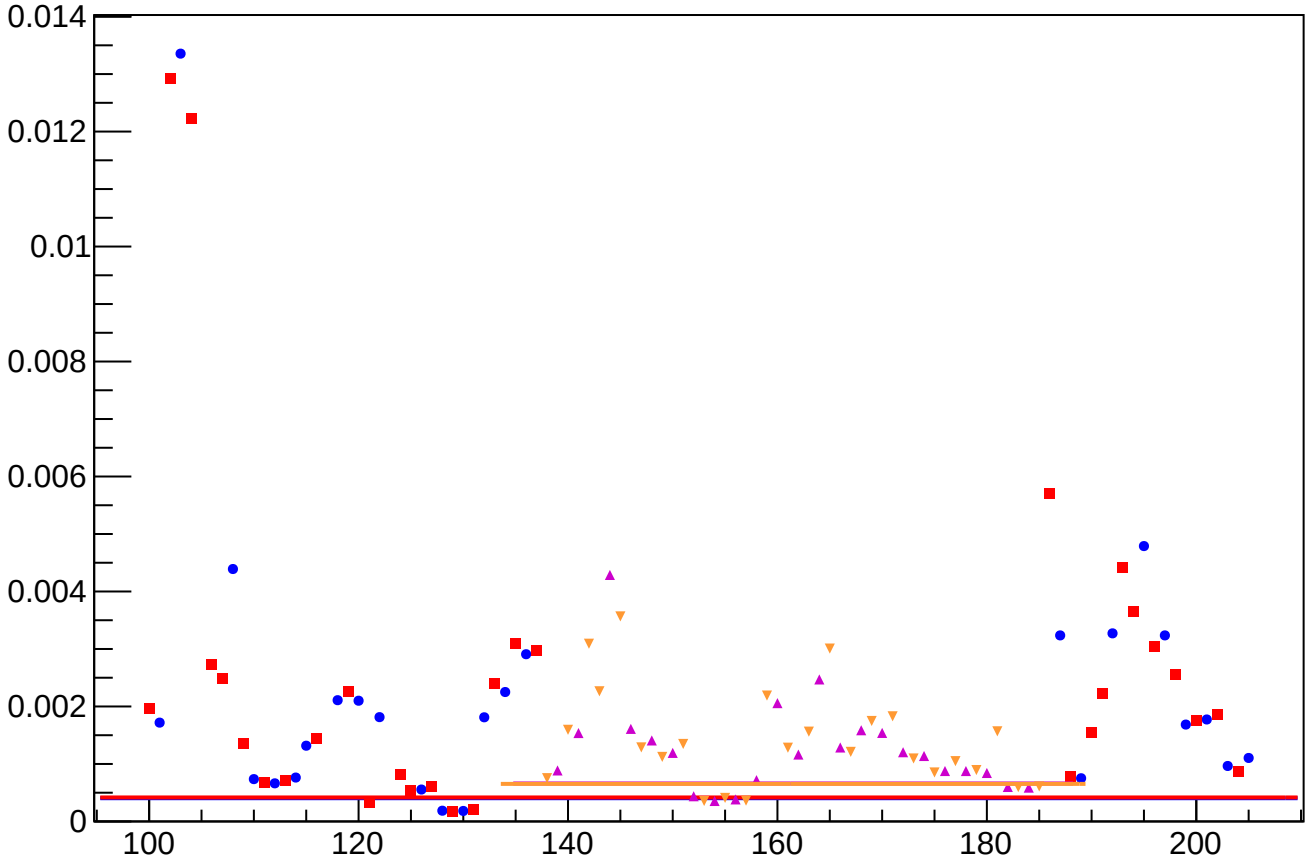
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.3/49

All: 0.000+/-0.000 χ^2/NDF: 126.0/102

- sign -0.000+/-0.000 χ^2/NDF: 47.6/52

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16921722.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

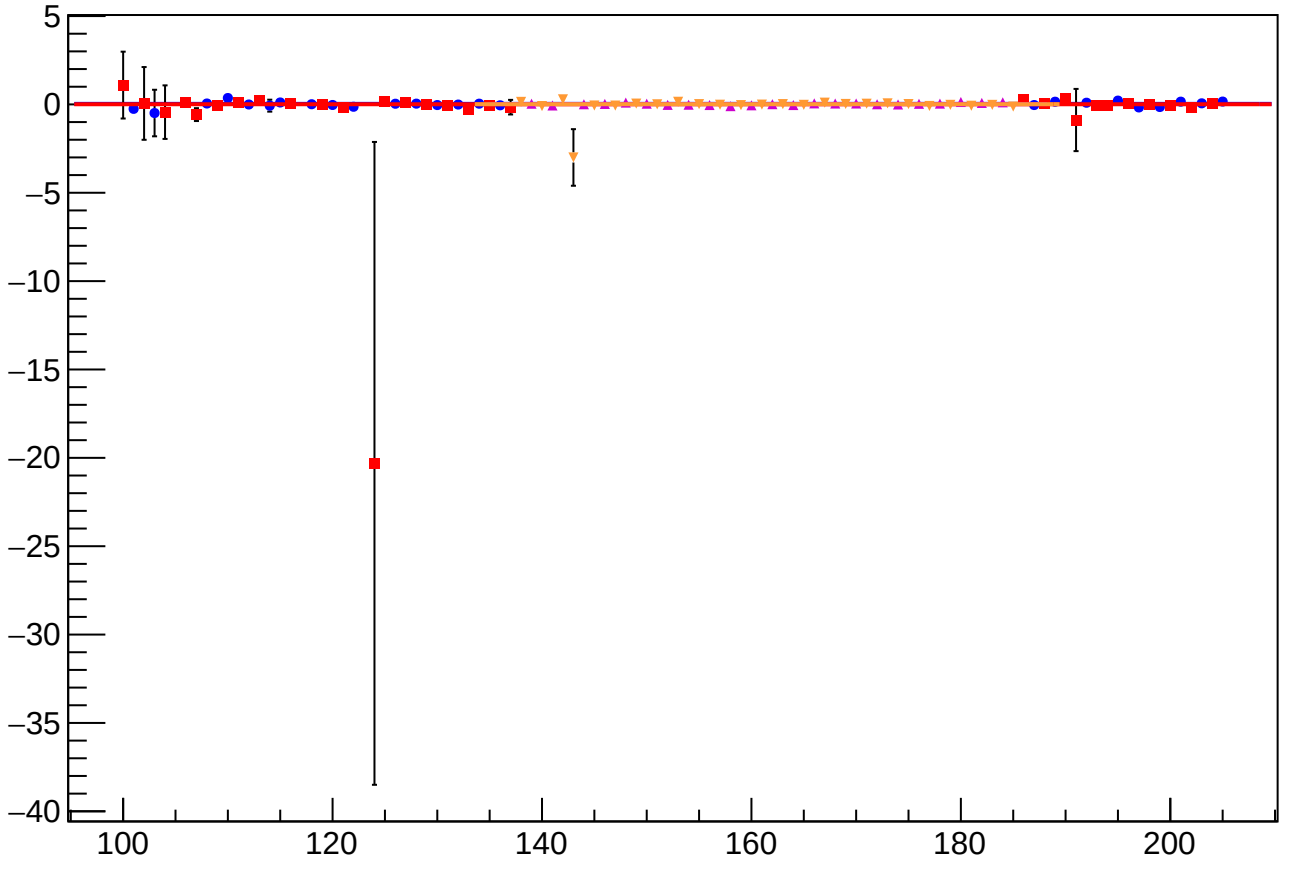
Right Out: 0.000+/-0.000 χ^2/NDF: 17533633.9/29

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 30859989.1/49

All: 0.001+/-0.000 χ^2/NDF: 59815034.9/102

- sign 0.001+/-0.000 χ^2/NDF: 28952979.6/52



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

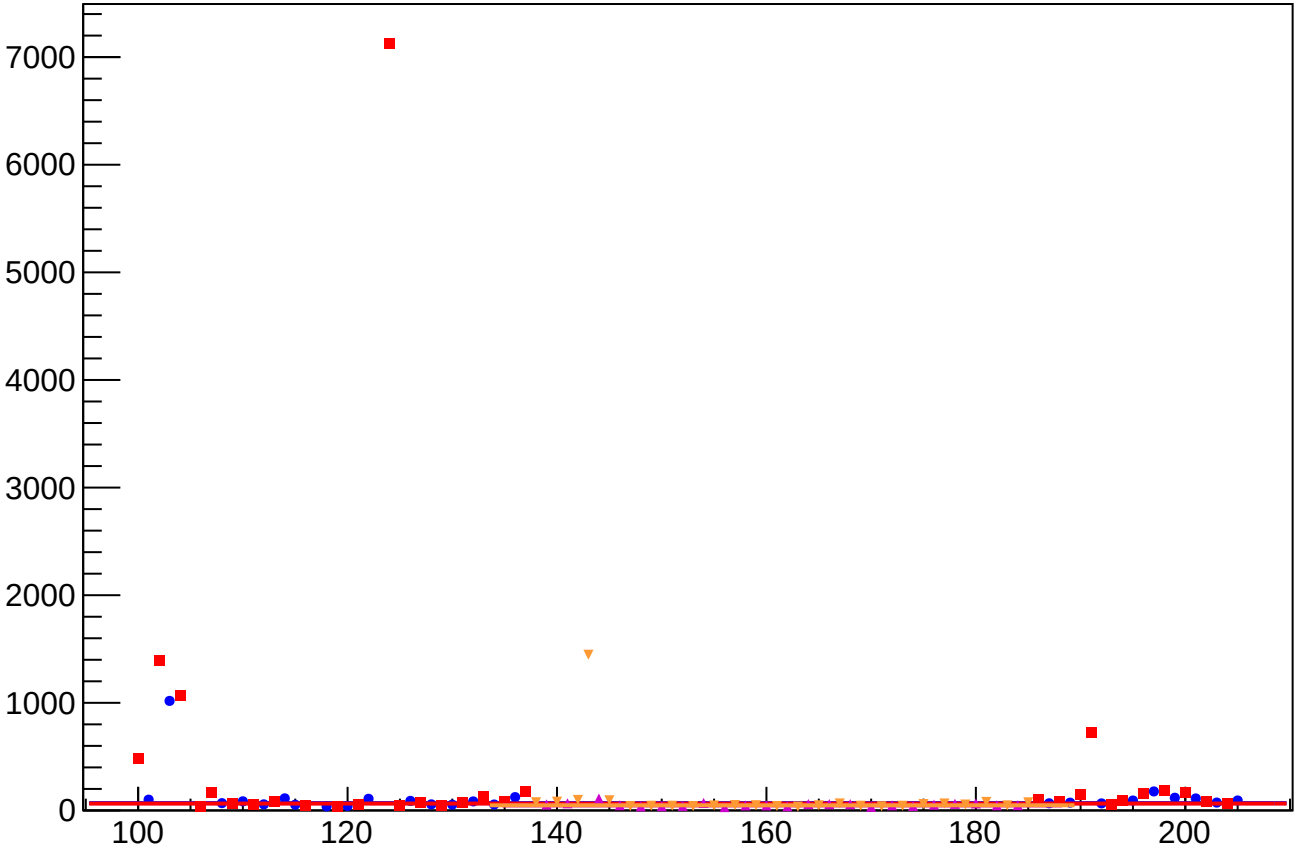
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.016+/-0.008 χ^2/NDF: 99.4/102

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

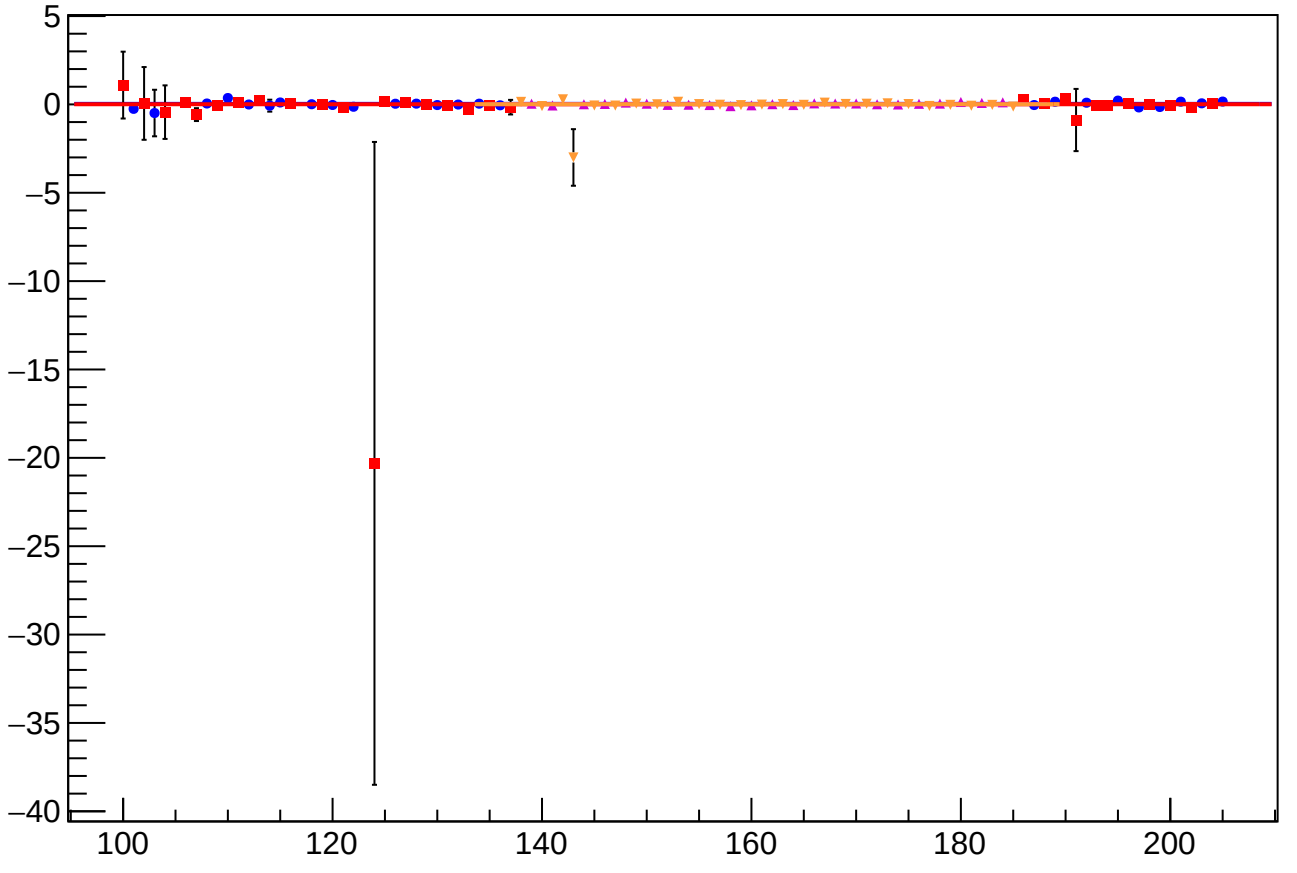
Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661658.5/49

All: 52.008+/-0.005 χ^2/NDF: 17830414.8/102

- sign 51.210+/-0.007 χ^2/NDF: 9145421.4/52



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

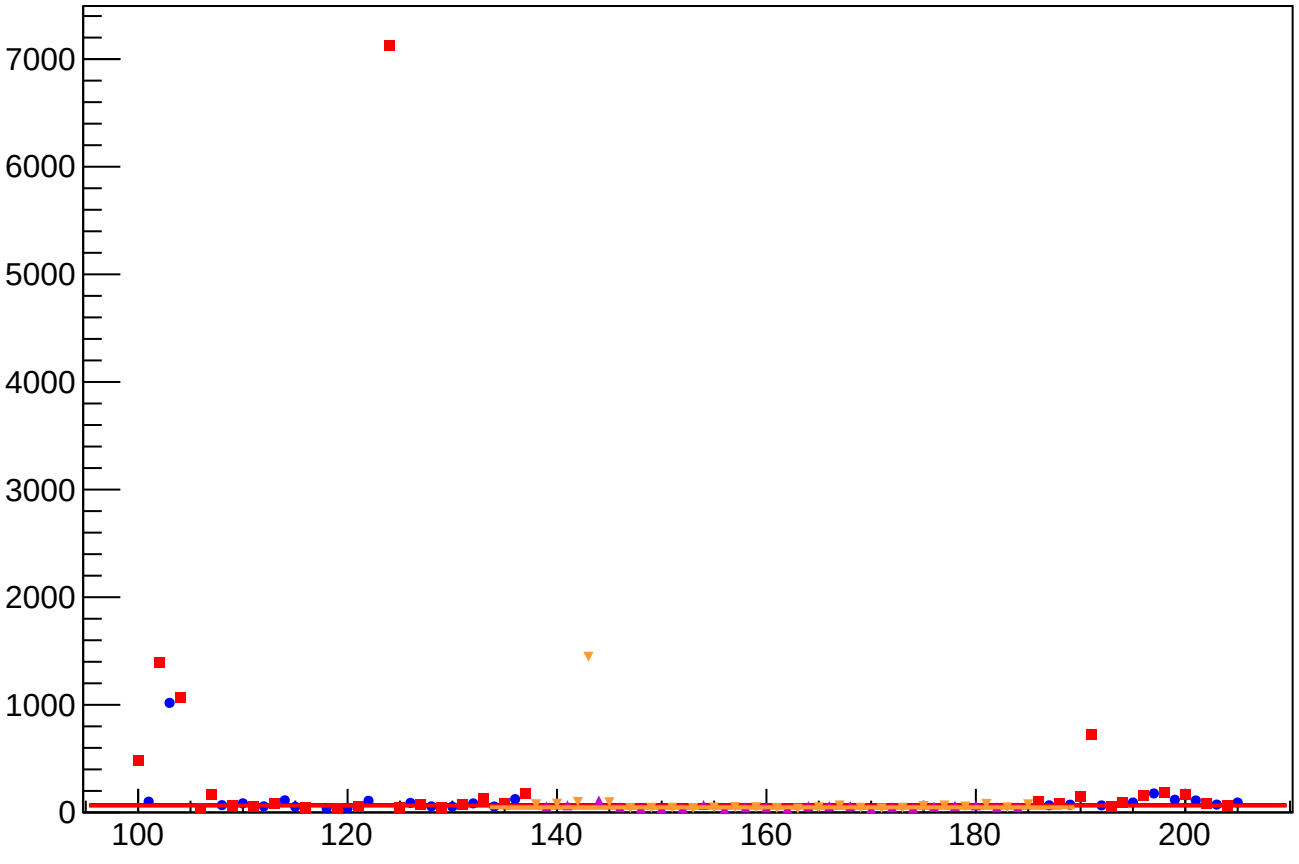
Right Out: 0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.016+/-0.008 χ^2/NDF: 99.4/102

- sign 0.016+/-0.011 χ^2/NDF: 47.8/52



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

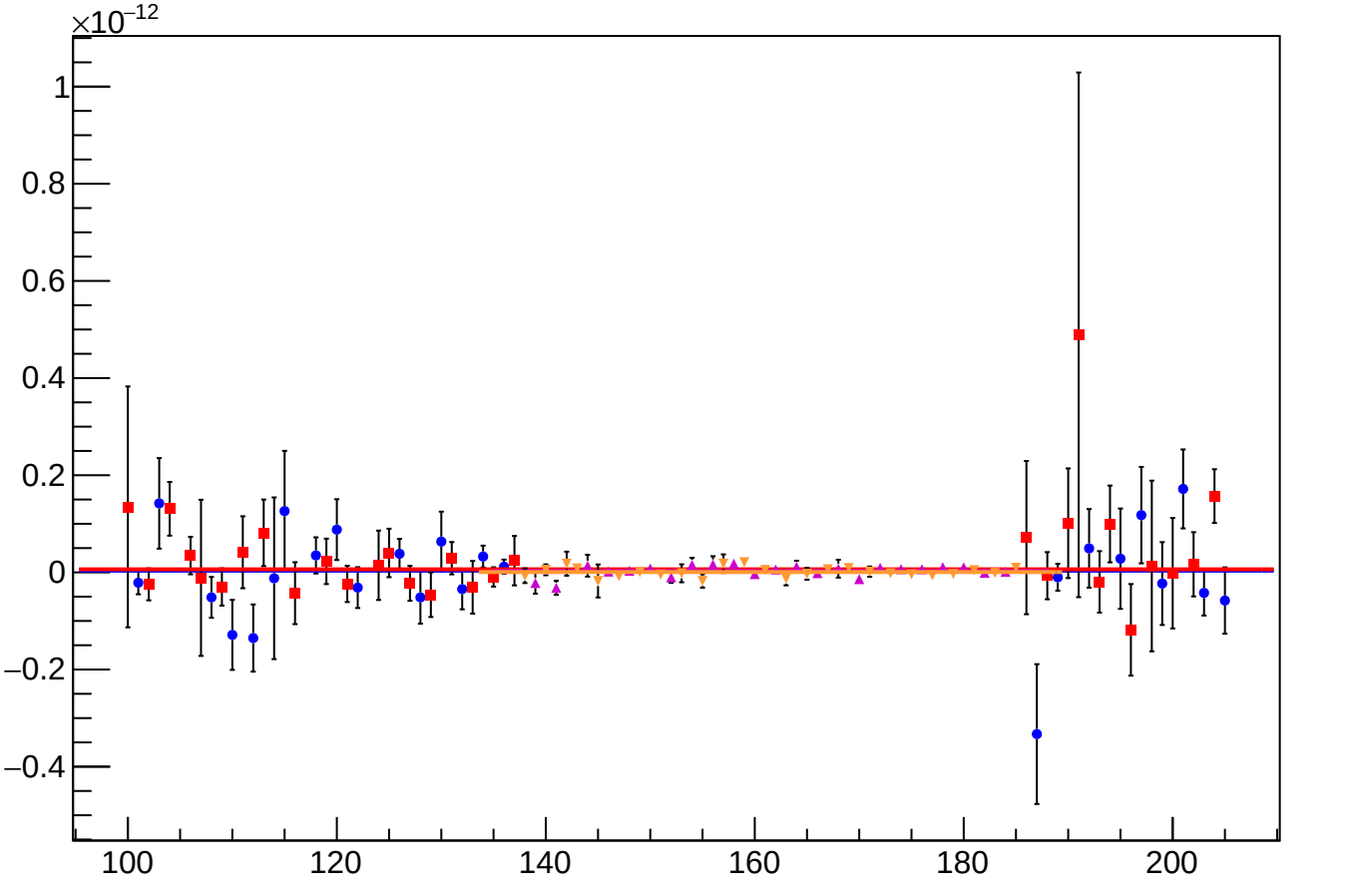
Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661658.5/49

All: 52.008+/-0.005 χ^2/NDF: 17830414.8/102

- sign 51.210+/-0.007 χ^2/NDF: 9145421.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

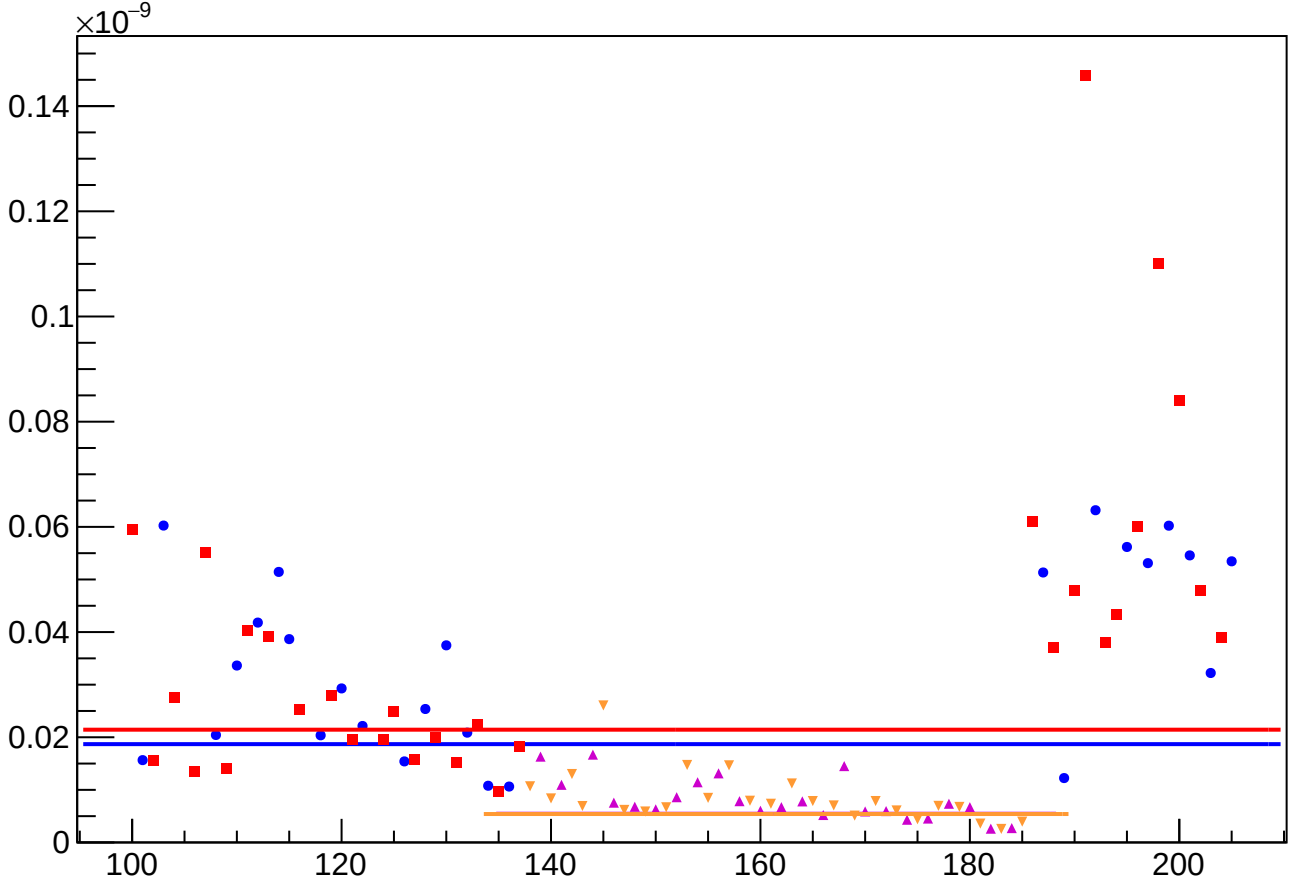
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.5/49

All: 0.000+/-0.000 χ^2/NDF: 101.1/102

- sign 0.000+/-0.000 χ^2/NDF: 49.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 4917815.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4347827.6/29

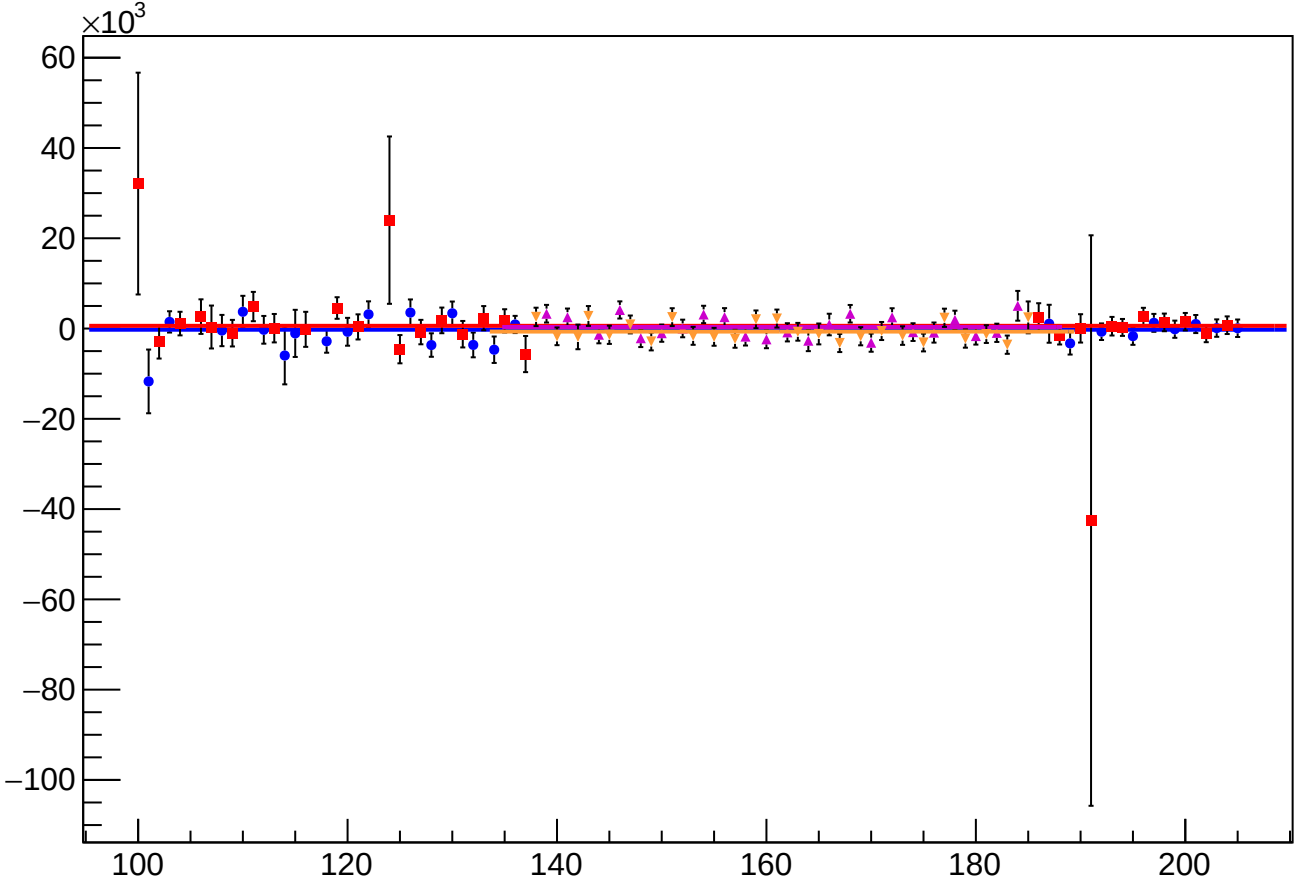
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15463808.4/49

All: 0.000+/-0.000 χ^2/NDF: 30717897.7/102

- sign 0.000+/-0.000 χ^2/NDF: 15253148.9/52

reg_asym_at1_dd_mean vs Slug



Right In: -260.375+/-503.142 χ^2/NDF: 20.5/24

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 600.452+/-490.454 χ^2/NDF: 20.3/29

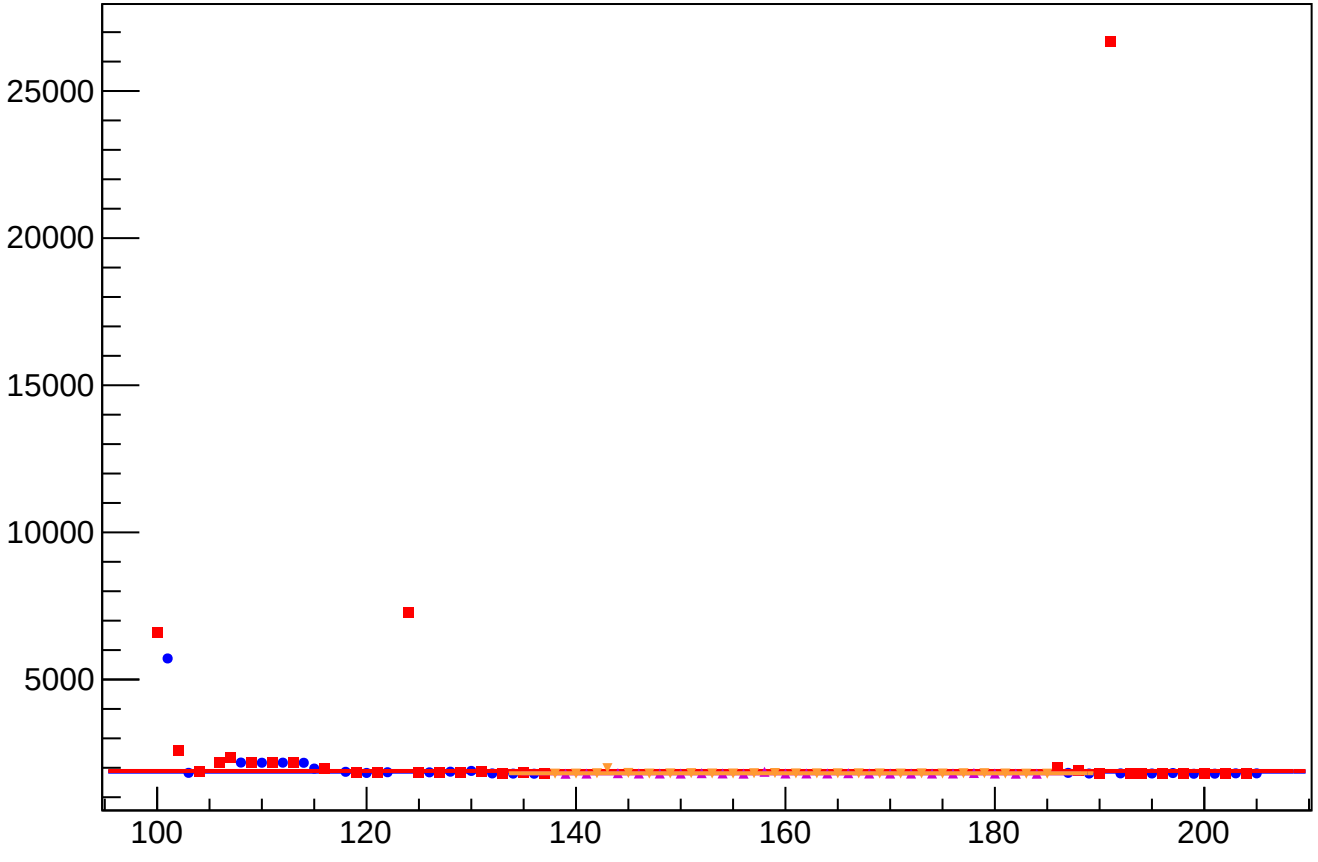
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -505.509+/-318.861 χ^2/NDF: 45.6/49

All: -28.407+/-225.939 χ^2/NDF: 100.6/102

- sign 452.700+/-320.196 χ^2/NDF: 50.5/52

reg_asym_at1_dd_rms vs Slug



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.5/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1891.586+/-0.347 χ^2/NDF: 741804.1/29

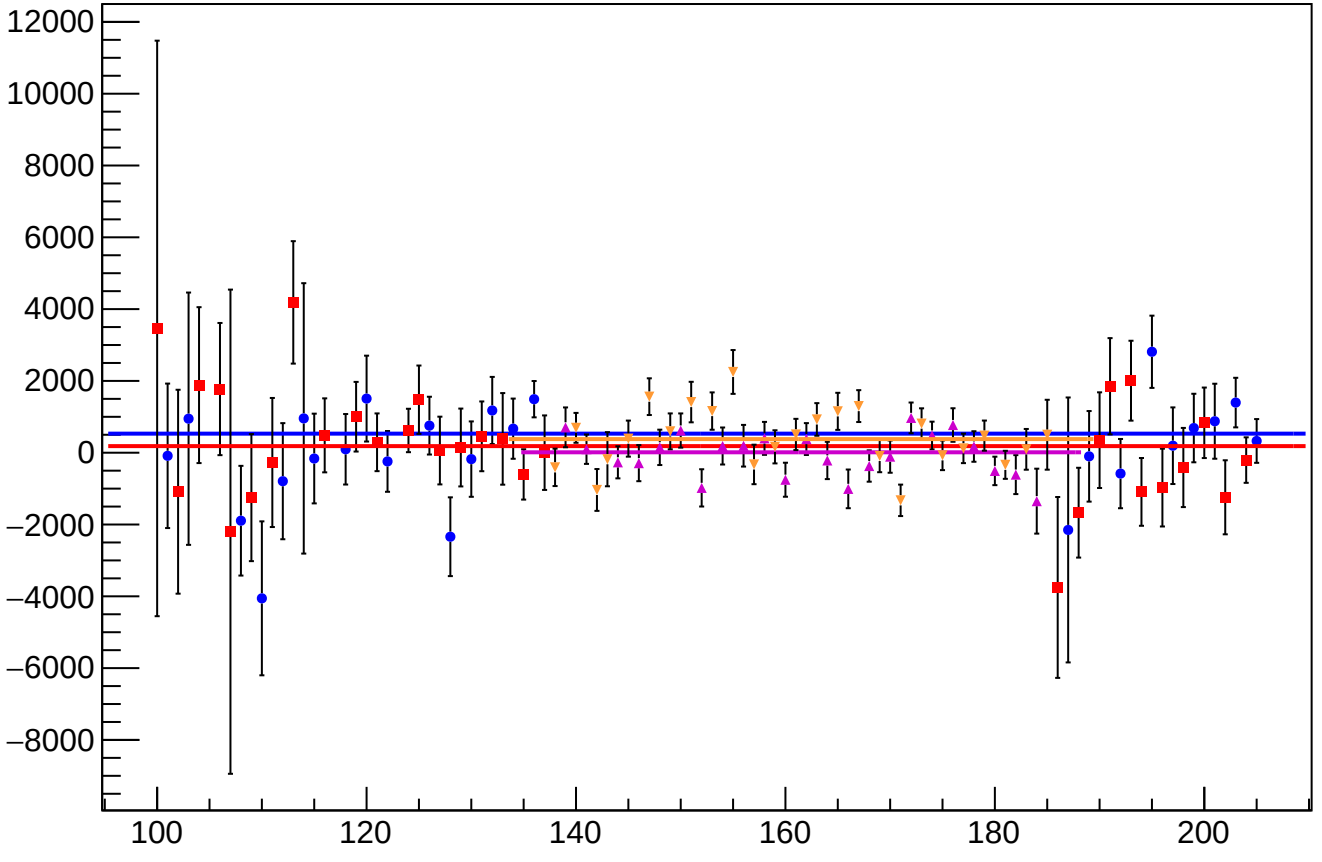
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1835.694+/-0.225 χ^2/NDF: 697632.7/49

All: 1840.346+/-0.160 χ^2/NDF: 1473658.9/10

- sign 1845.036+/-0.226 χ^2/NDF: 775171.4/52

asym_at1_dd_reg_correction_mean vs Slug



Right In: 531.212+/-198.407 χ^2/NDF: 30.5/24

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

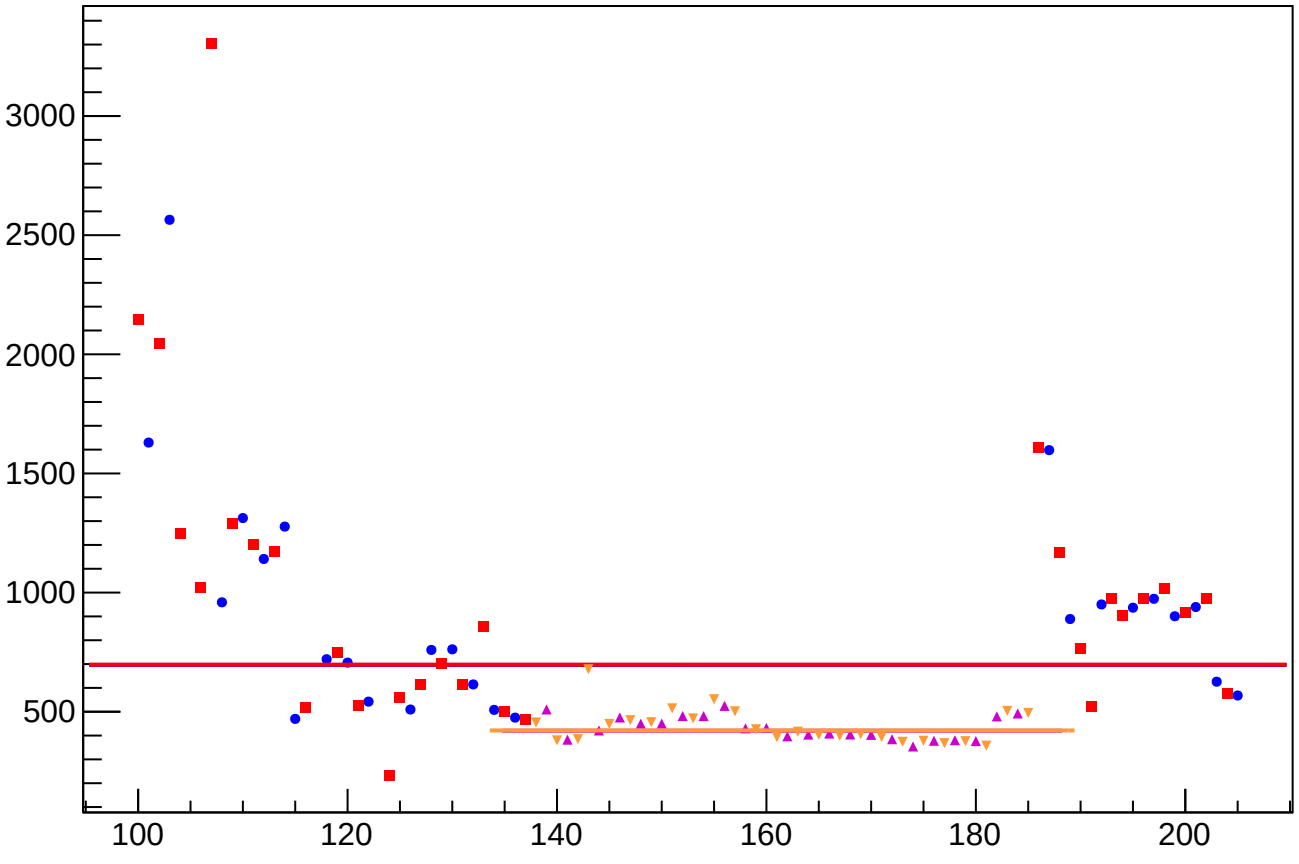
Right Out: 183.758+/-197.511 χ^2/NDF: 27.5/29

Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 408.654+/-87.153 χ^2/NDF: 93.3/49

All: 230.130+/-62.093 χ^2/NDF: 161.1/102

- sign 46.097+/-88.487 χ^2/NDF: 59.3/52



Right In: 696.465+/-0.140 χ^2/NDF: 3036412.2/24

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

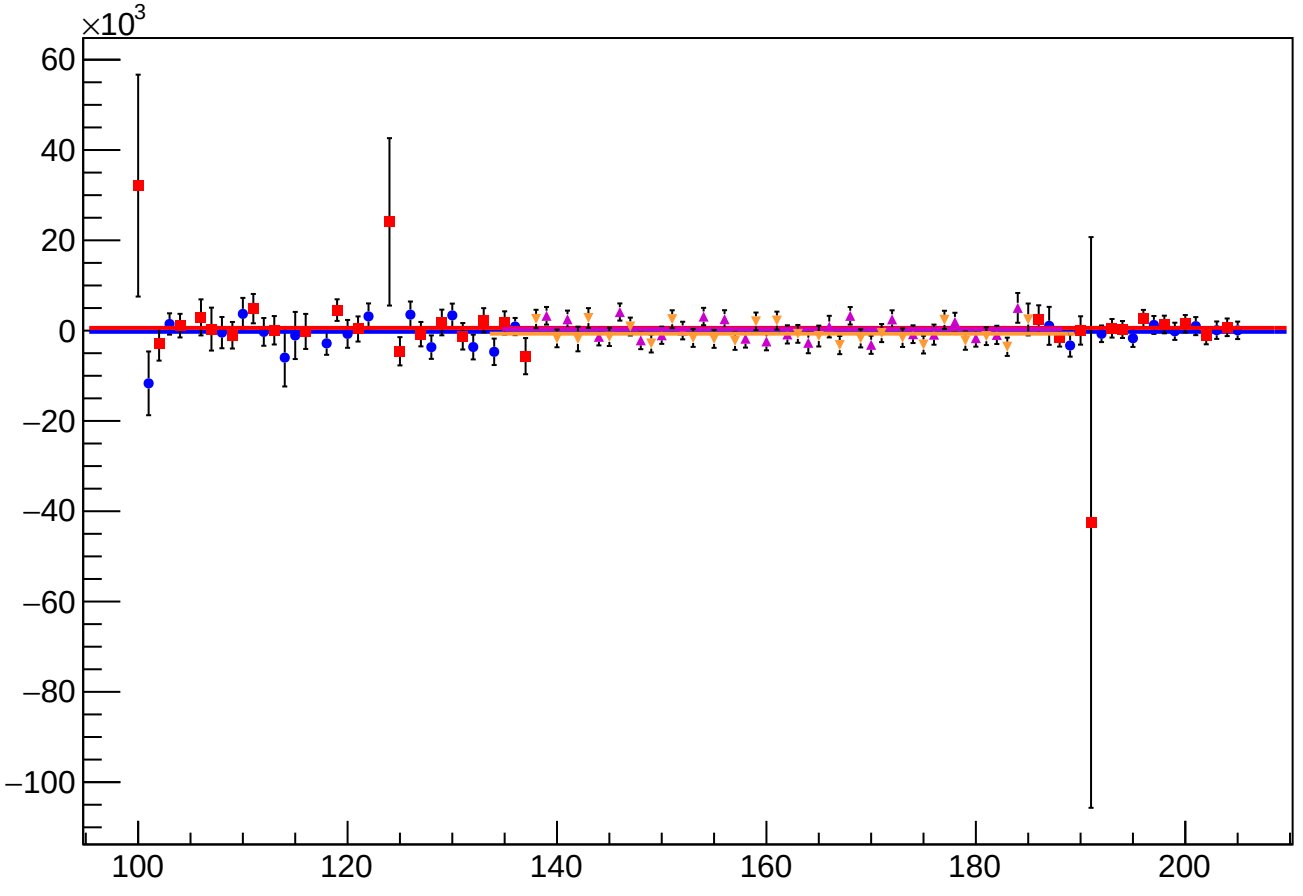
Right Out: 697.399+/-0.140 χ^2/NDF: 4661751.1/29

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 474.487+/-0.062 χ^2/NDF: 6881391.1/49

All: 475.161+/-0.044 χ^2/NDF: 15104726.9/10

- sign 475.856+/-0.063 χ^2/NDF: 8223093.0/52



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.460+/-490.771 χ^2/NDF: 20.4/29

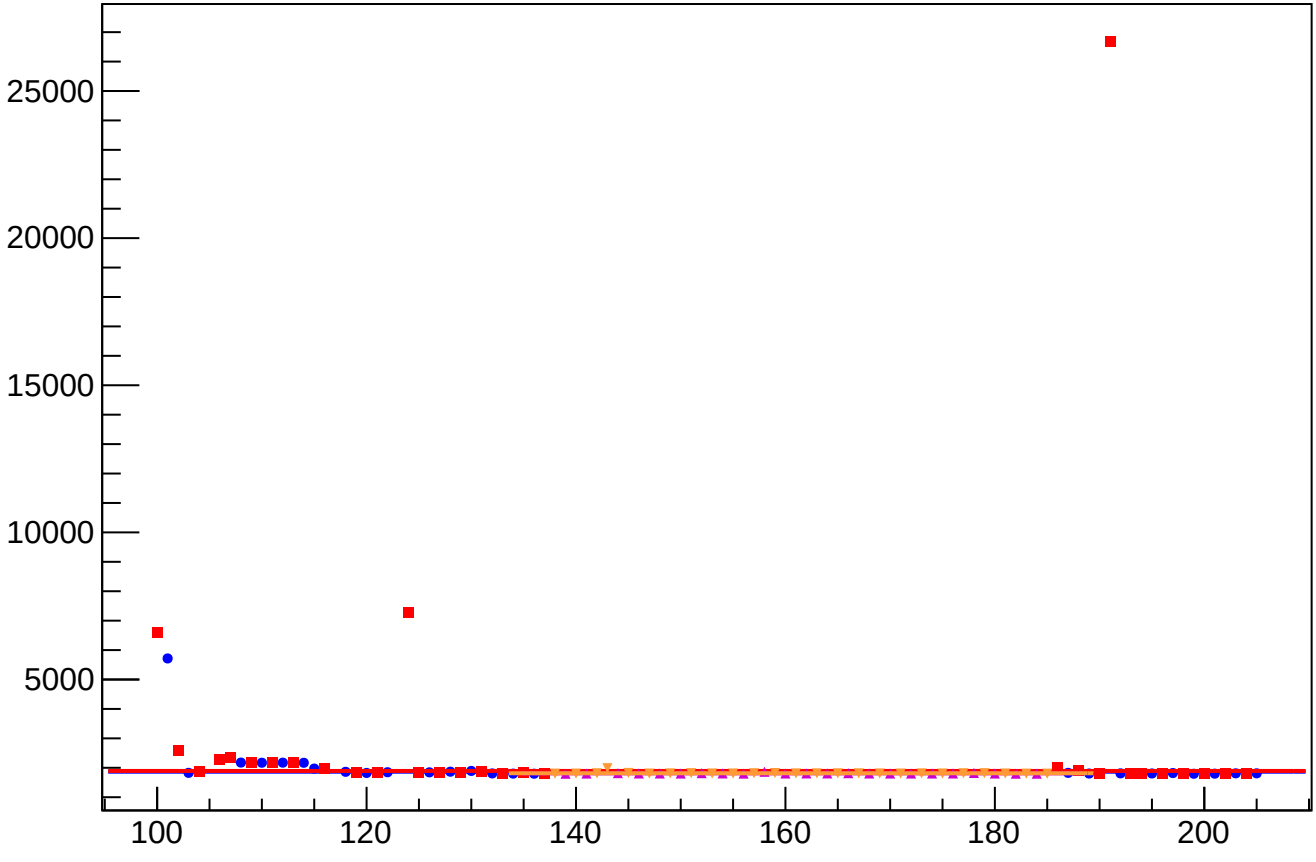
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -505.343+/-318.861 χ^2/NDF: 45.6/49

All: -28.058+/-225.970 χ^2/NDF: 100.7/102

- sign 453.499+/-320.285 χ^2/NDF: 50.6/52

cor_asym_at1_dd_rms vs Slug



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

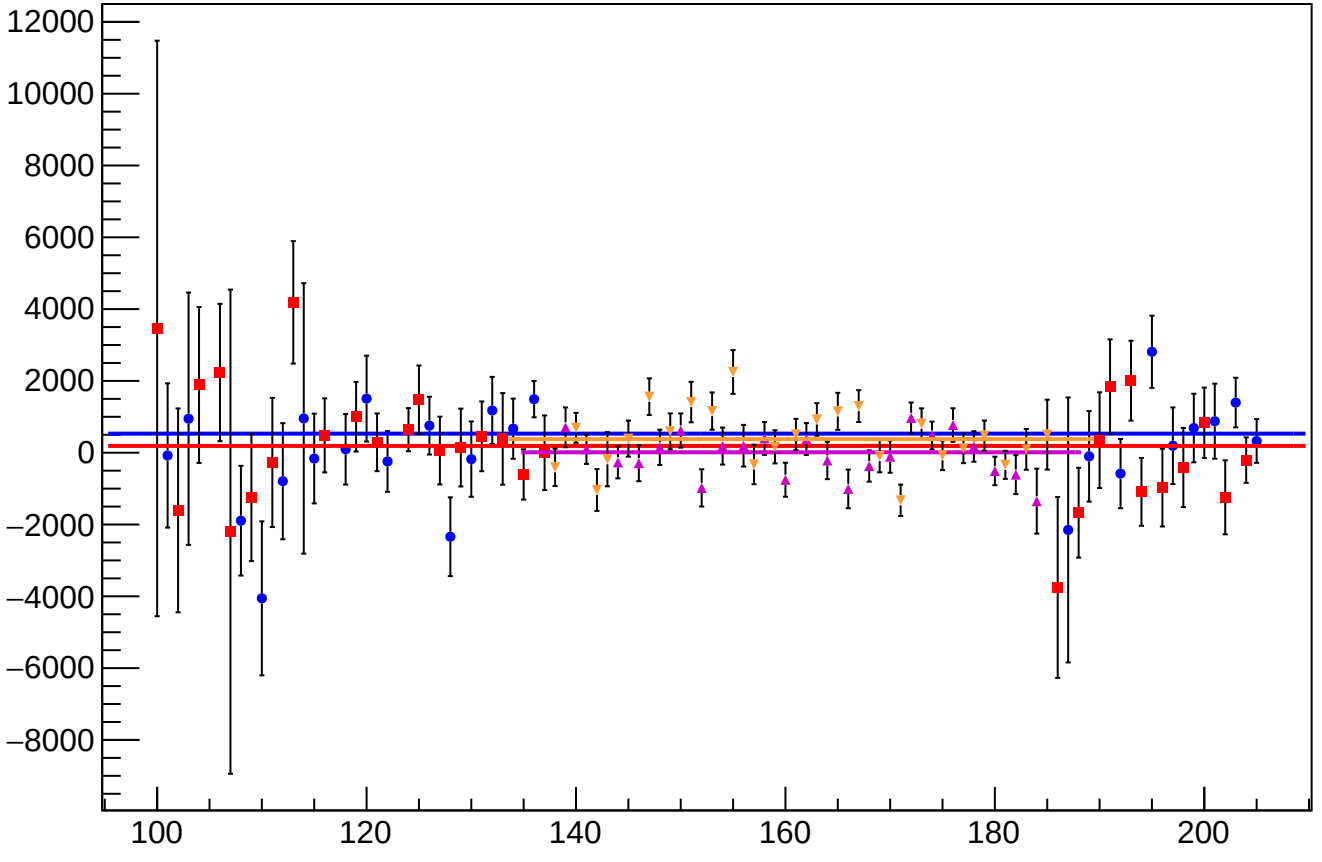
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1835.694+/-0.225 χ^2/NDF: 697632.6/49

All: 1840.513+/-0.160 χ^2/NDF: 1480339.4/10

- sign 1845.375+/-0.226 χ^2/NDF: 781789.1/52

asym_at1_dd_cor_correction_mean vs Slug



Right In: 531.253+/-198.403 χ^2/NDF: 30.5/24

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 189.350+/-197.348 χ^2/NDF: 28.3/29

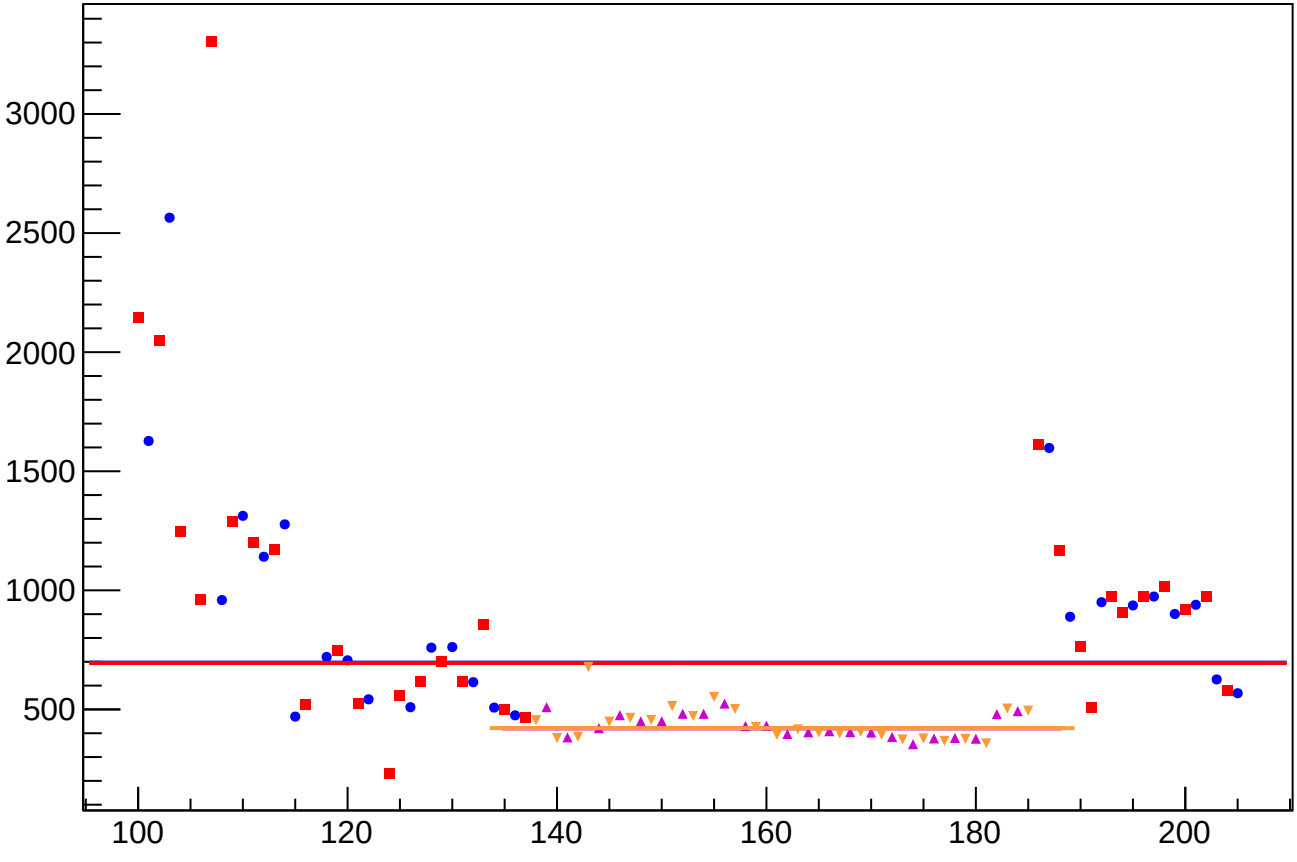
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 408.656+/-87.153 χ^2/NDF: 93.3/49

All: 230.680+/-62.087 χ^2/NDF: 161.8/102

- sign 47.275+/-88.472 χ^2/NDF: 60.0/52

asym_at1_dd_cor_correction_rms vs Slug



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

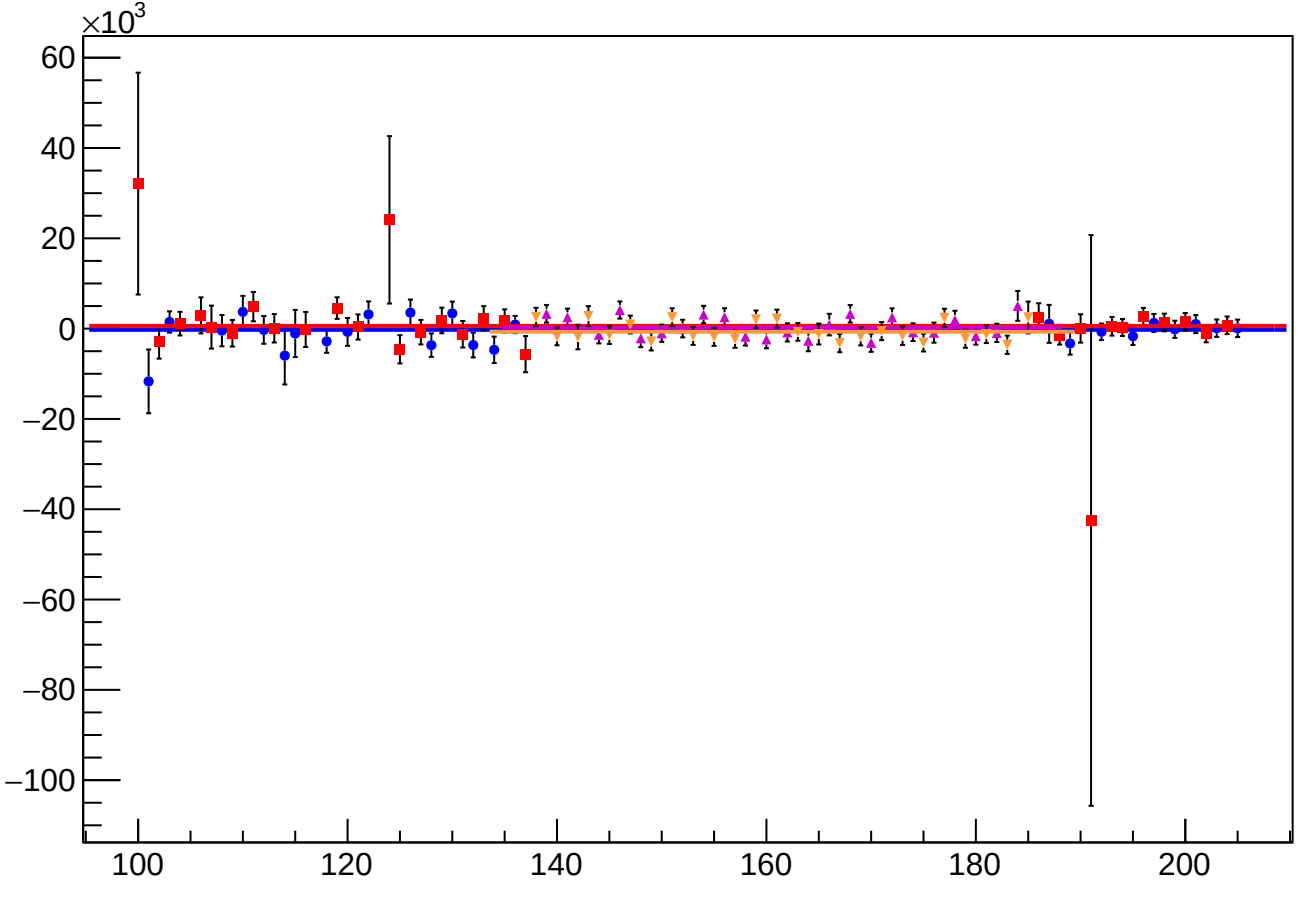
Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 474.492+/-0.062 χ^2/NDF: 6880479.7/49

All: 474.974+/-0.044 χ^2/NDF: 15068291.3/10

- sign 475.472+/-0.063 χ^2/NDF: 8187687.1/52



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 602.460+/-490.771 χ^2/NDF: 20.4/29

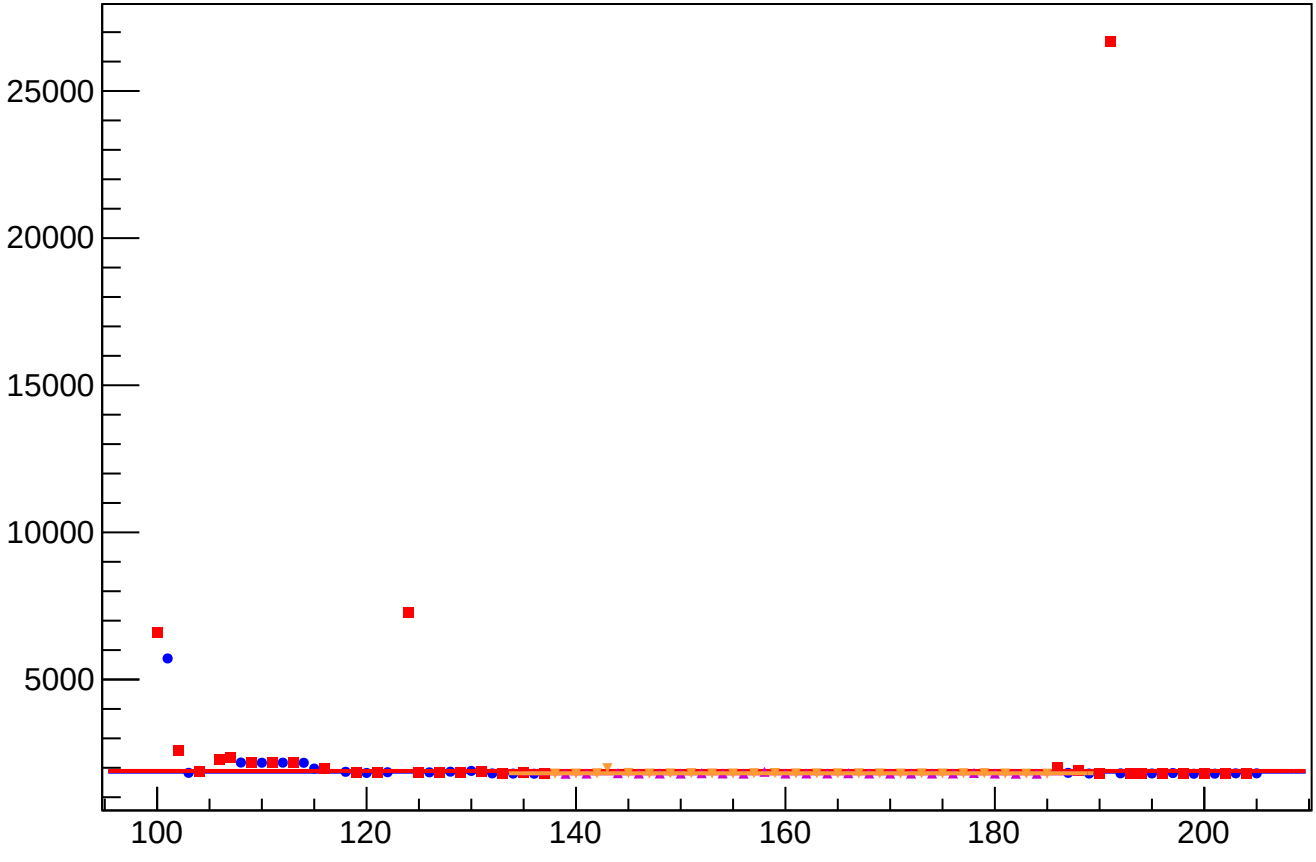
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -505.343+/-318.861 χ^2/NDF: 45.6/49

All: -28.058+/-225.970 χ^2/NDF: 100.7/102

- sign 453.499+/-320.285 χ^2/NDF: 50.6/52

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

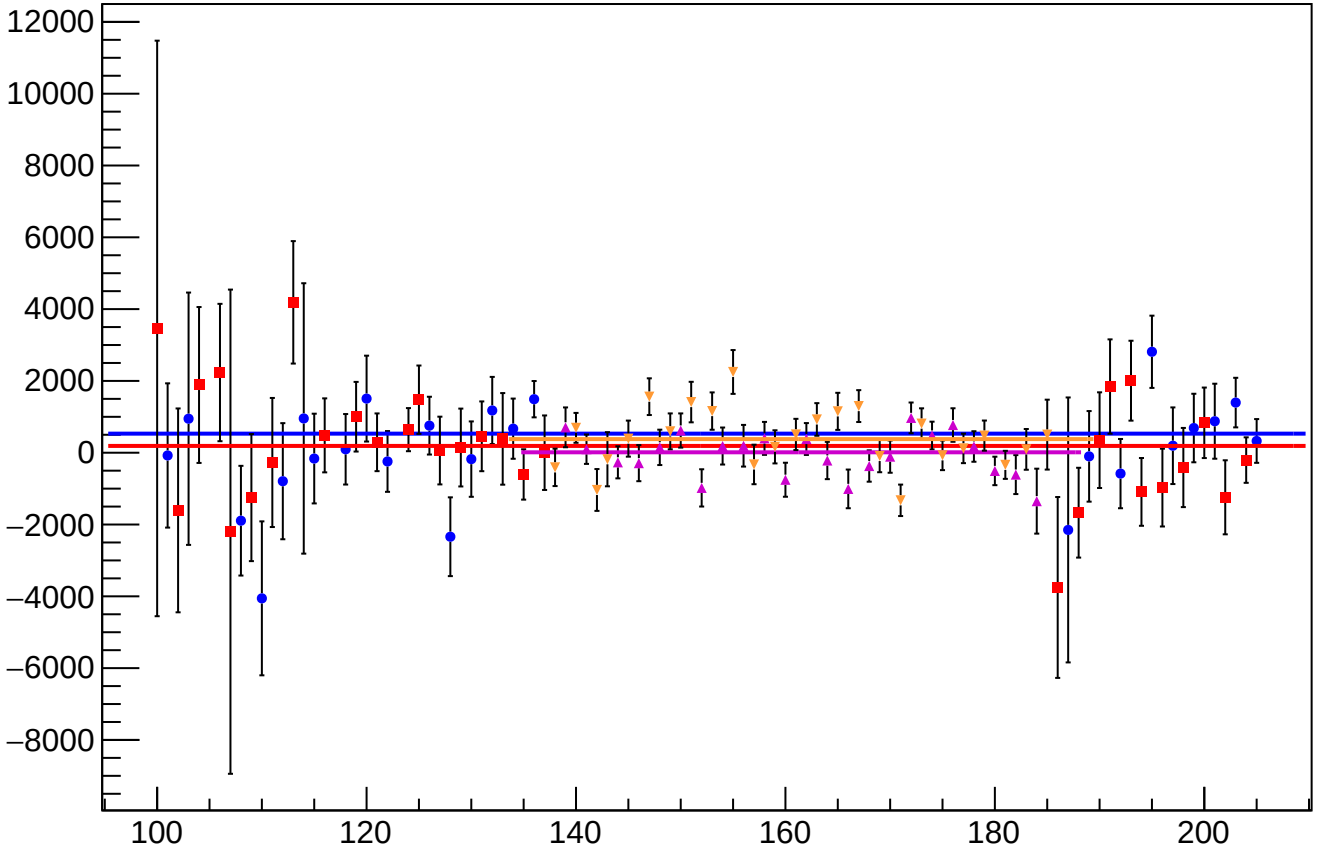
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1835.694+/-0.225 χ^2/NDF: 697632.6/49

All: 1840.513+/-0.160 χ^2/NDF: 1480339.4/10

- sign 1845.375+/-0.226 χ^2/NDF: 781789.1/52

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 531.253+/-198.403 χ^2/NDF: 30.5/24

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

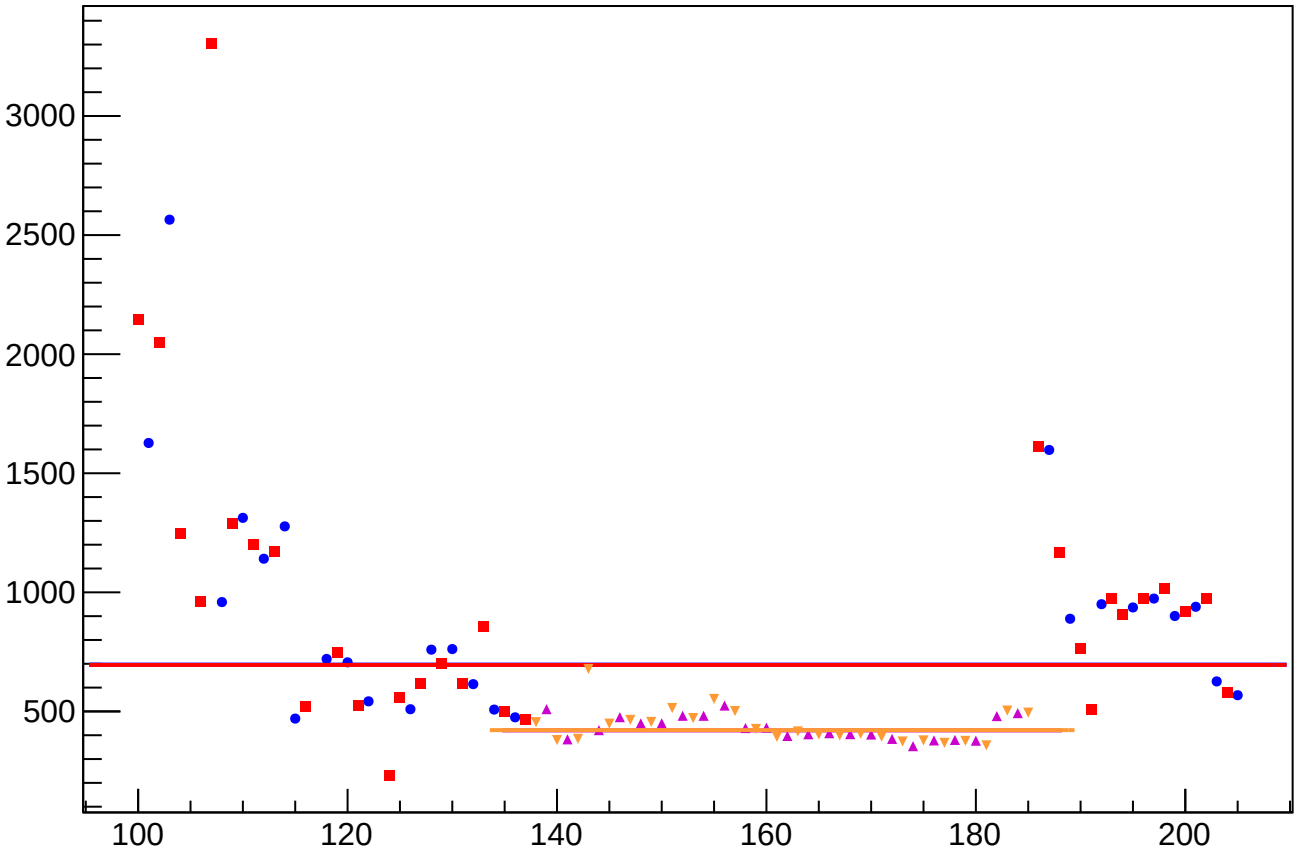
Right Out: 189.350+/-197.348 χ^2/NDF: 28.3/29

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 408.656+/-87.153 χ^2/NDF: 93.3/49

All: 230.680+/-62.087 χ^2/NDF: 161.8/102

- sign 47.275+/-88.472 χ^2/NDF: 60.0/52



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

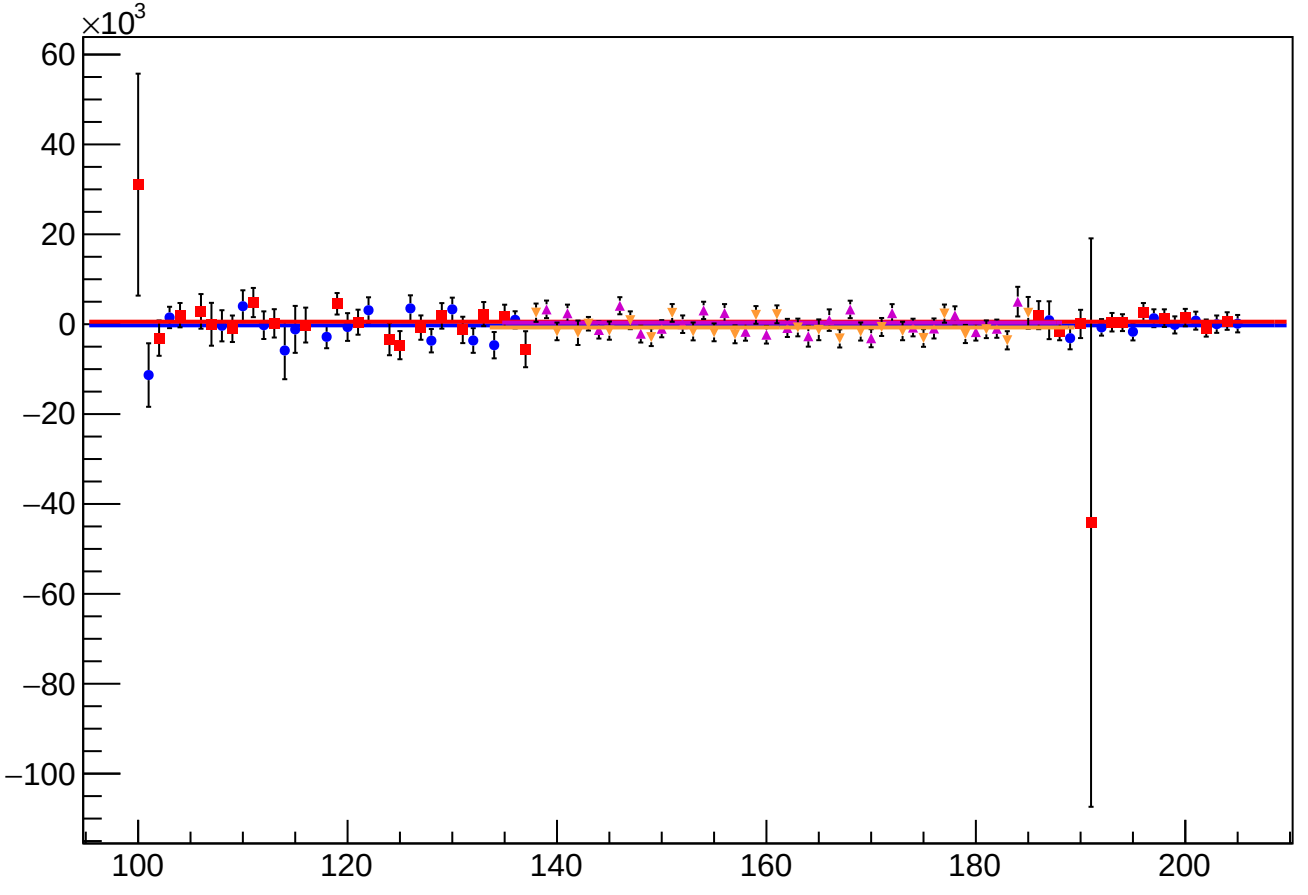
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 474.492+/-0.062 χ^2/NDF: 6880479.7/49

All: 474.974+/-0.044 χ^2/NDF: 15068291.3/10

- sign 475.472+/-0.063 χ^2/NDF: 8187687.1/52

dit_asym_at1_dd_mean vs Slug



Right In: -254.140+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 554.874+/-487.626 χ^2/NDF: 19.7/29

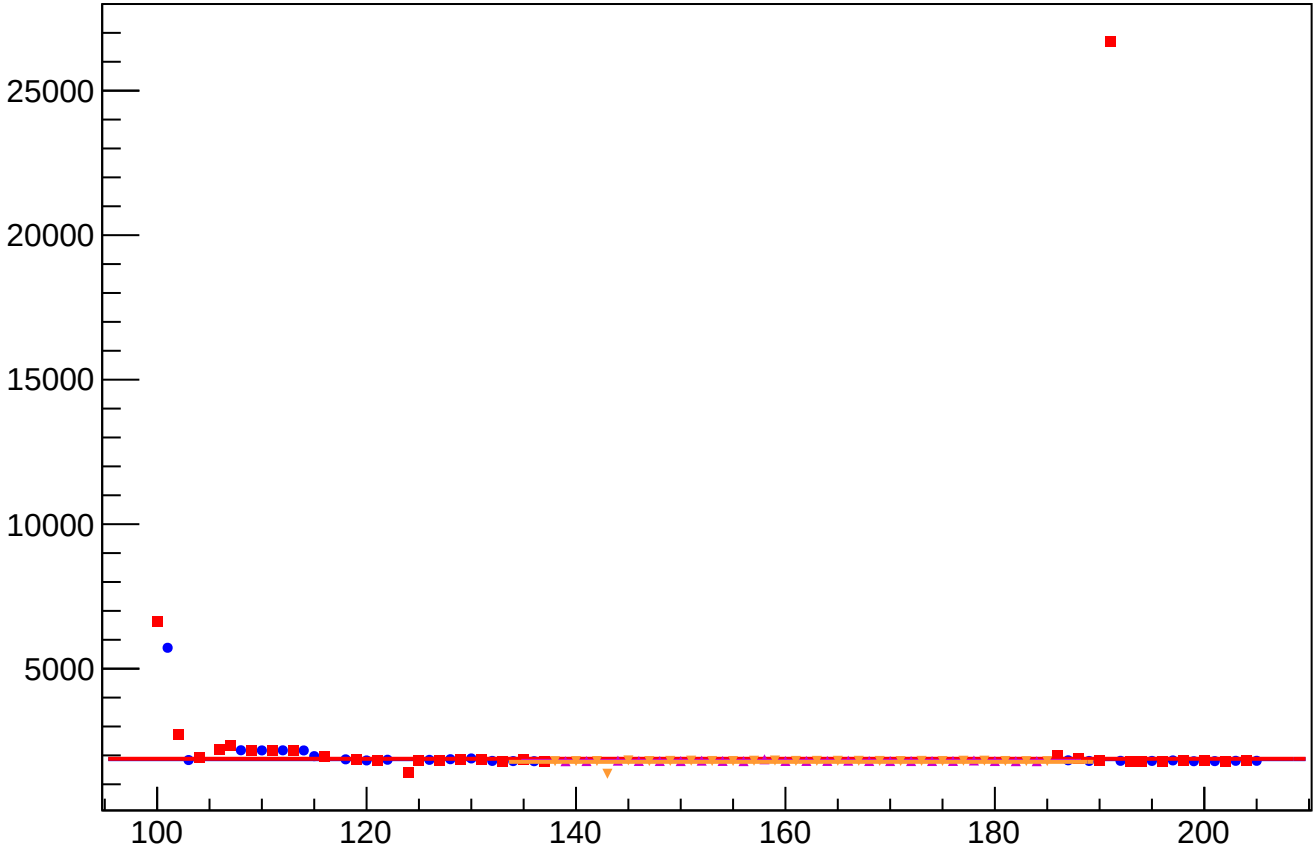
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -540.155+/-315.352 χ^2/NDF: 42.8/49

All: -59.923+/-224.429 χ^2/NDF: 97.0/102

- sign 432.927+/-319.468 χ^2/NDF: 49.5/52

dit_asym_at1_dd_rms vs Slug



Right In: 1869.318+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.2/29

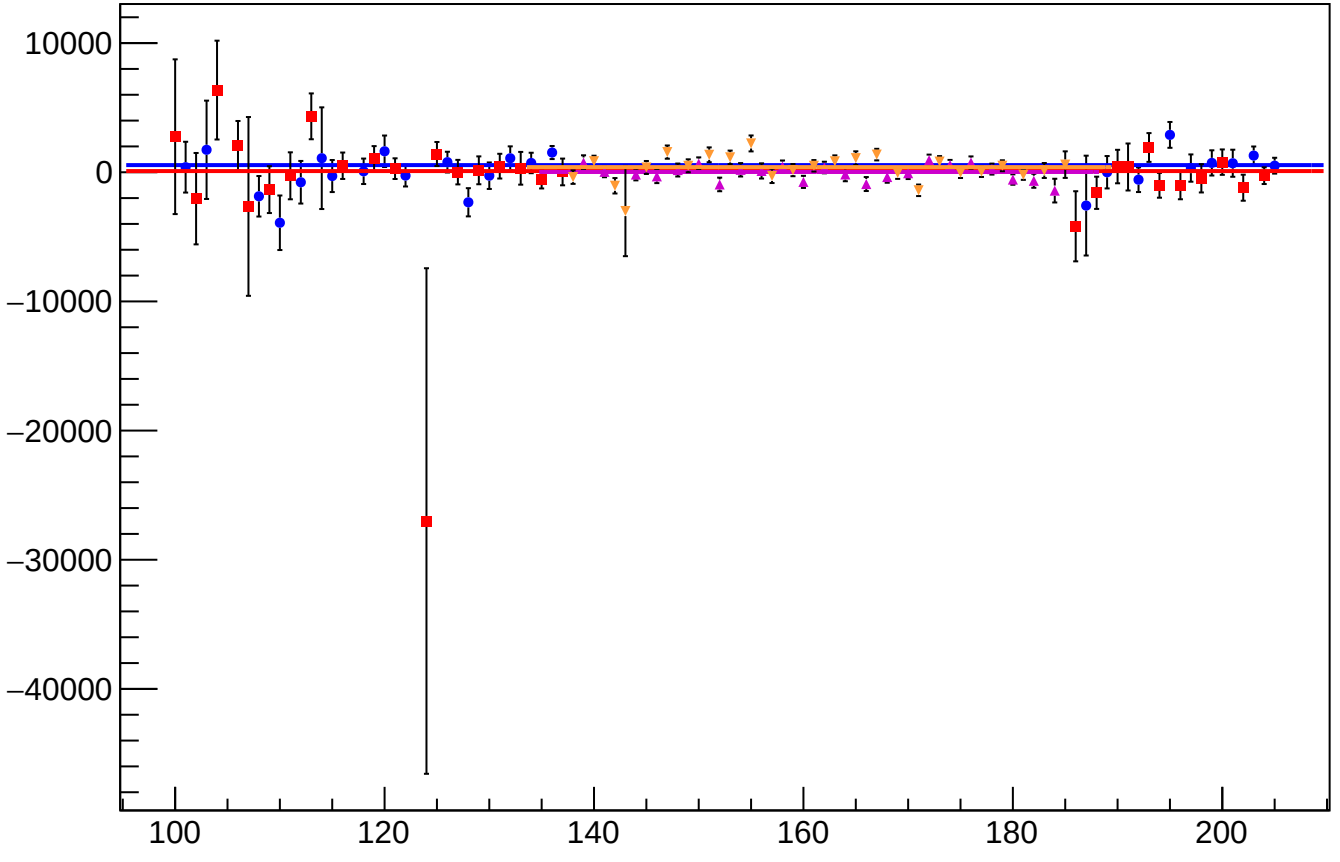
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.015+/-0.223 χ^2/NDF: 873371.9/49

All: 1827.230+/-0.159 χ^2/NDF: 1534386.8/10

- sign 1841.819+/-0.226 χ^2/NDF: 652780.4/52

asym_at1_dd_dit_correction_mean vs Slug



Right In: 554.002+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 91.979+/-211.112 χ^2/NDF: 29.1/29

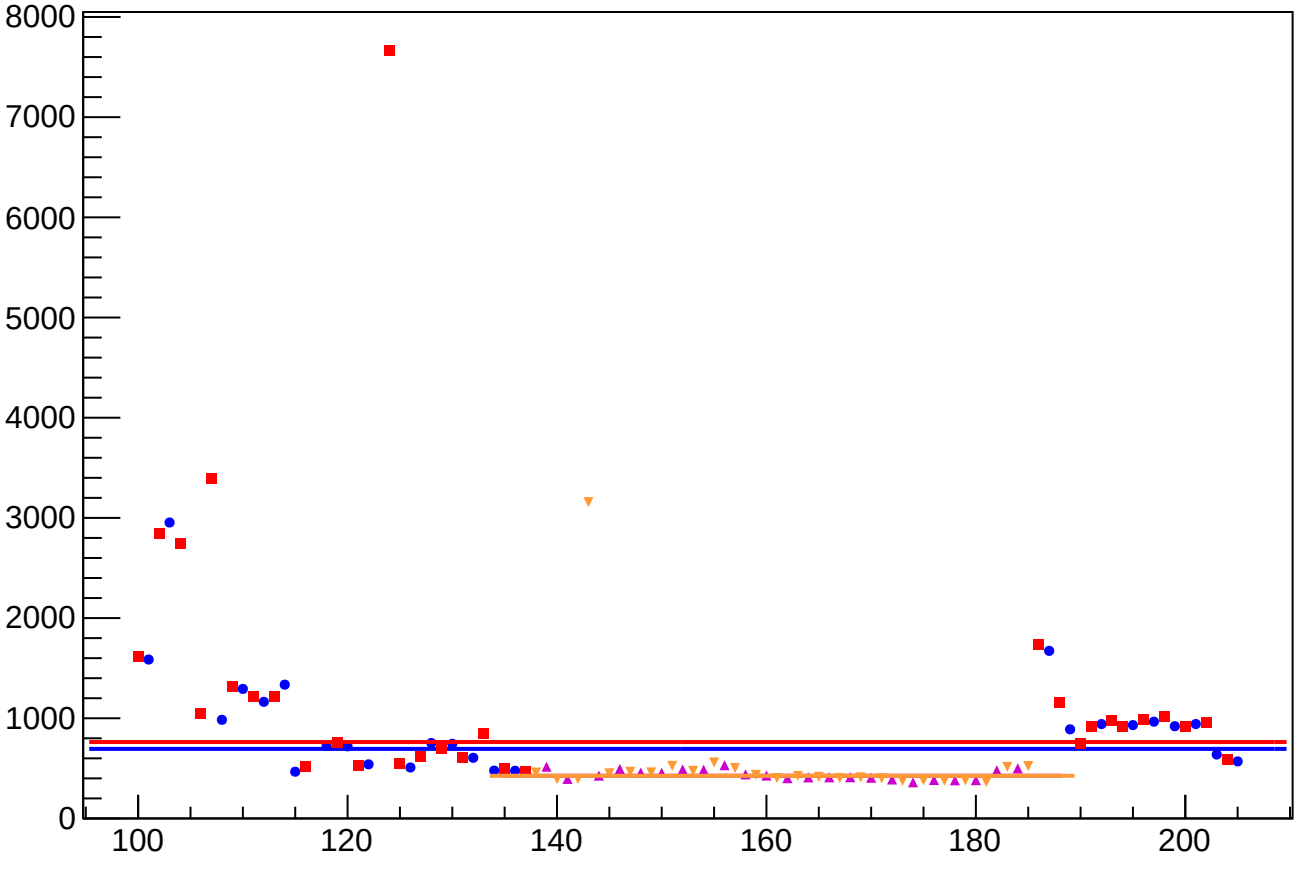
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 429.501+/-88.665 χ^2/NDF: 91.7/49

All: 236.162+/-63.358 χ^2/NDF: 161.4/102

- sign 34.433+/-90.569 χ^2/NDF: 60.0/52

asym_at1_dd_dit_correction_rms vs Slug



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.1/24

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315599.9/29

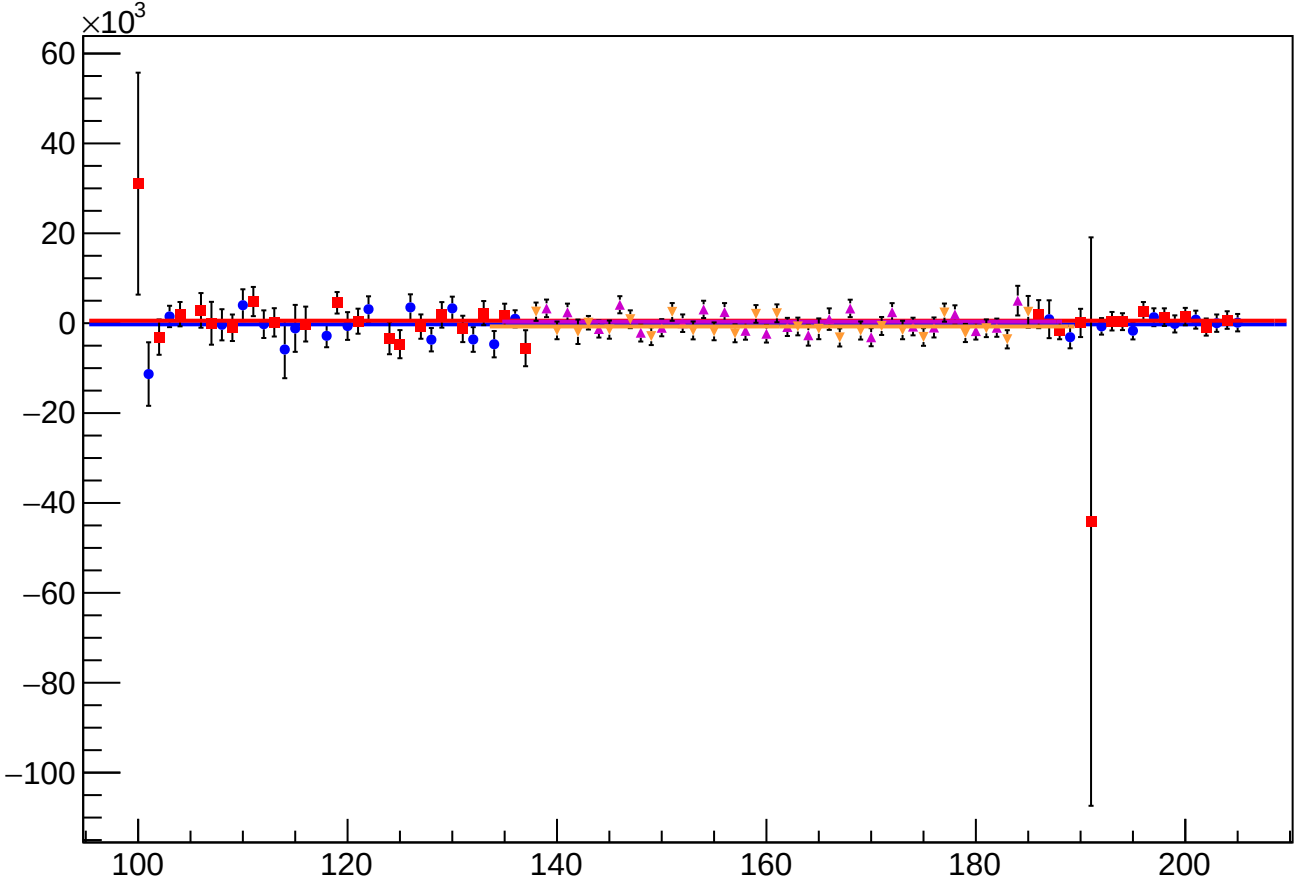
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 479.575+/-0.063 χ^2/NDF: 7889468.7/49

All: 483.752+/-0.045 χ^2/NDF: 16780348.5/10

- sign 488.111+/-0.064 χ^2/NDF: 8881806.6/52

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -254.141+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 554.873+/-487.626 χ^2/NDF: 19.7/29

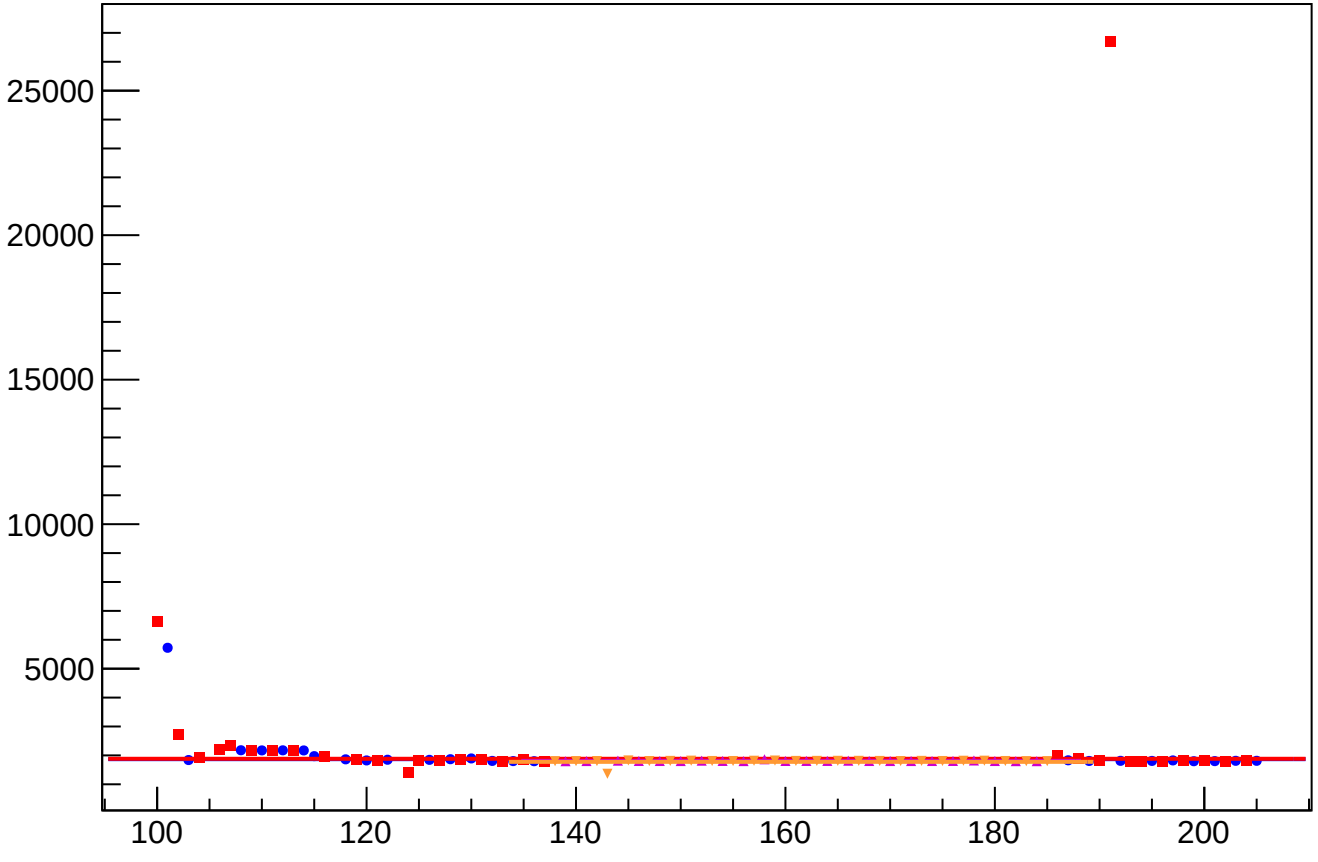
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -540.155+/-315.352 χ^2/NDF: 42.8/49

All: -59.923+/-224.429 χ^2/NDF: 97.0/102

- sign 432.926+/-319.468 χ^2/NDF: 49.5/52

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1869.317+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.0/29

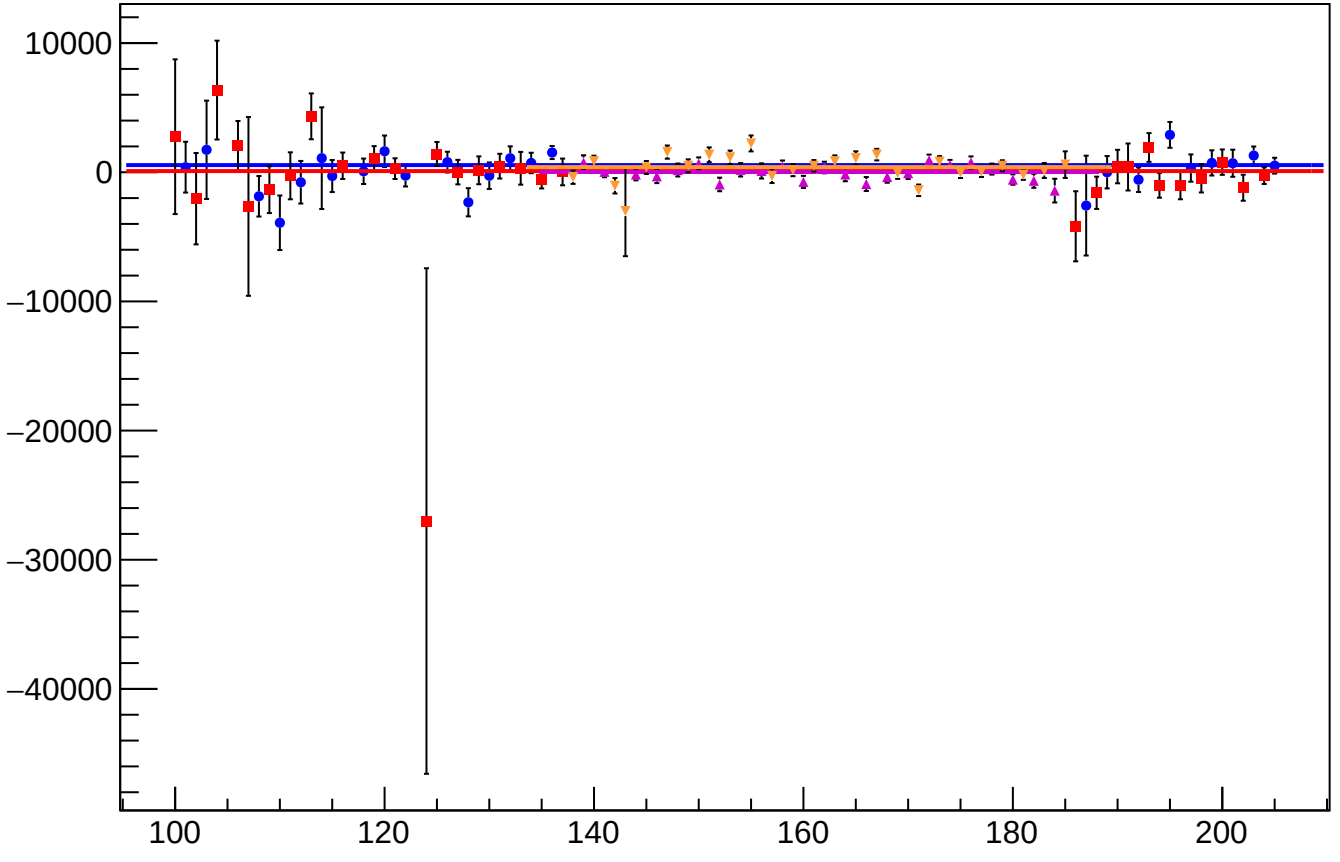
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.015+/-0.223 χ^2/NDF: 873371.9/49

All: 1827.230+/-0.159 χ^2/NDF: 1534386.6/10

- sign 1841.819+/-0.226 χ^2/NDF: 652780.2/52

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 554.001+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 91.980+/-211.112 χ^2/NDF: 29.1/29

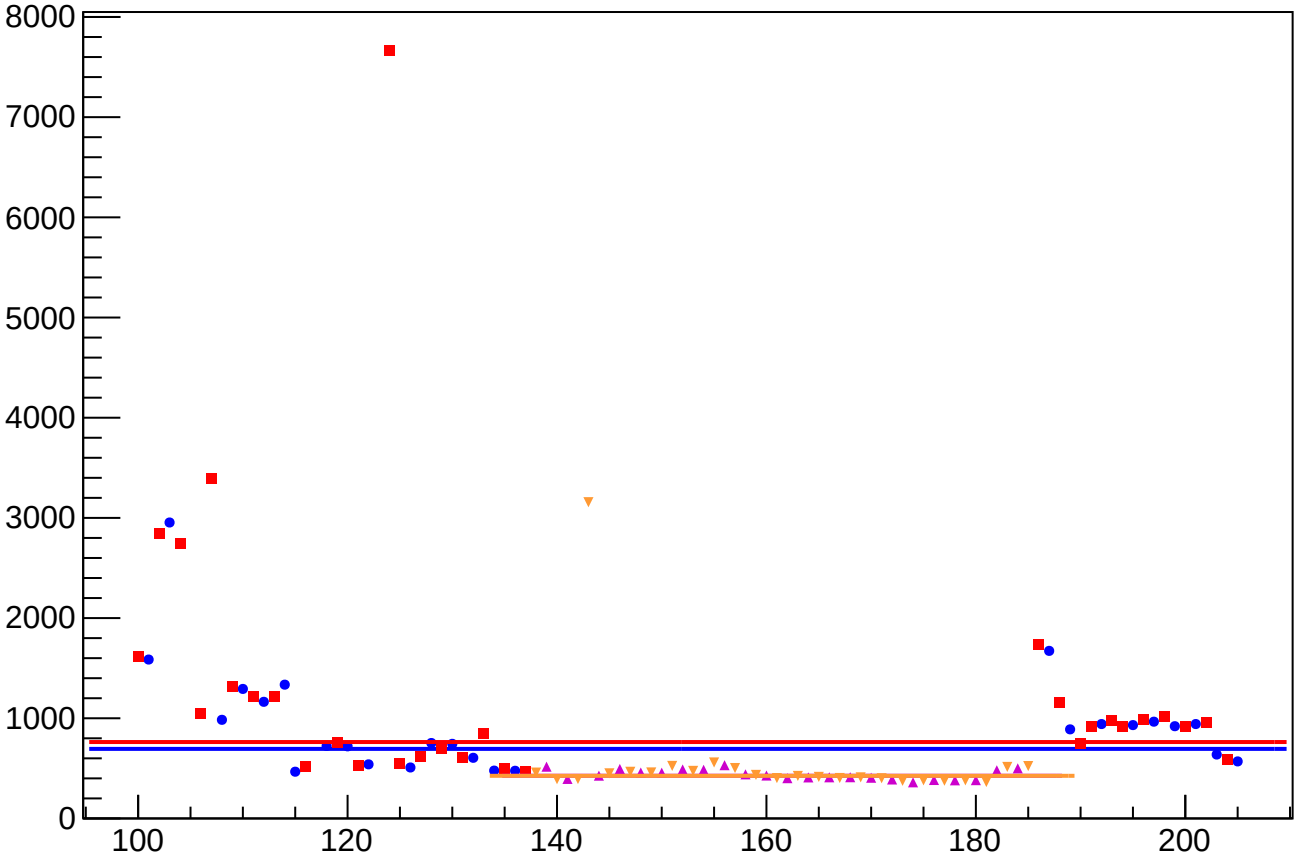
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 429.500+/-88.665 χ^2/NDF: 91.7/49

All: 236.161+/-63.358 χ^2/NDF: 161.4/102

- sign 34.433+/-90.569 χ^2/NDF: 60.0/52

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.0/24

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

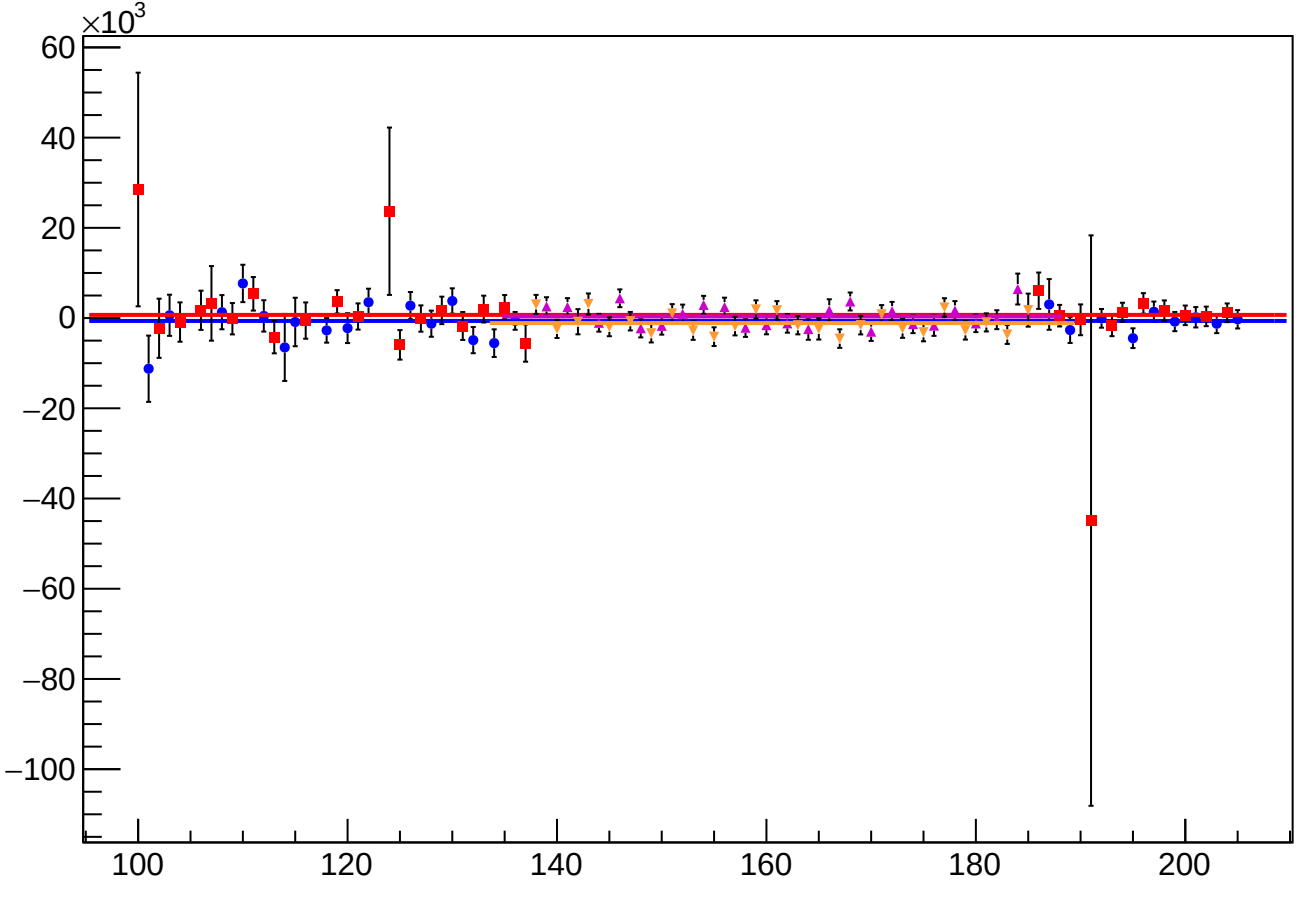
Right Out: 762.835+/-0.149 χ^2/NDF: 4315601.7/29

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 479.574+/-0.063 χ^2/NDF: 7889478.6/49

All: 483.752+/-0.045 χ^2/NDF: 16780369.4/10

- sign 488.111+/-0.064 χ^2/NDF: 8881817.4/52



Right In: -635.652+/-560.485 χ^2/NDF: 23.5/24

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 704.788+/-556.843 χ^2/NDF: 20.9/29

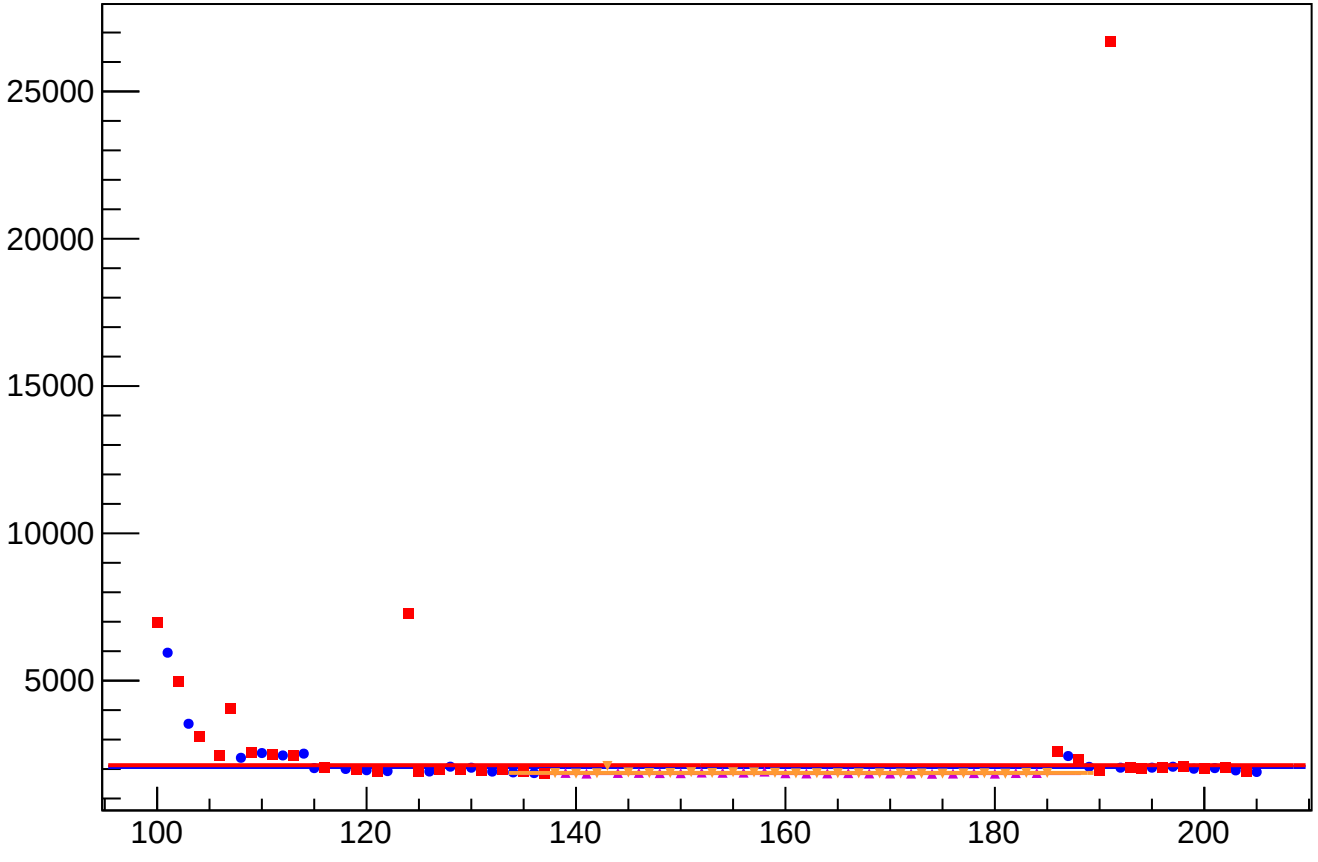
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -934.338+/-338.472 χ^2/NDF: 52.0/49

All: -234.849+/-240.843 χ^2/NDF: 110.6/102

- sign 482.535+/-342.775 χ^2/NDF: 49.9/52

asym_at1_dd_rms vs Slug



Right In: 2070.290+/-0.396 χ^2/NDF: 916336.7/24

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2130.093+/-0.394 χ^2/NDF: 1339364.1/29

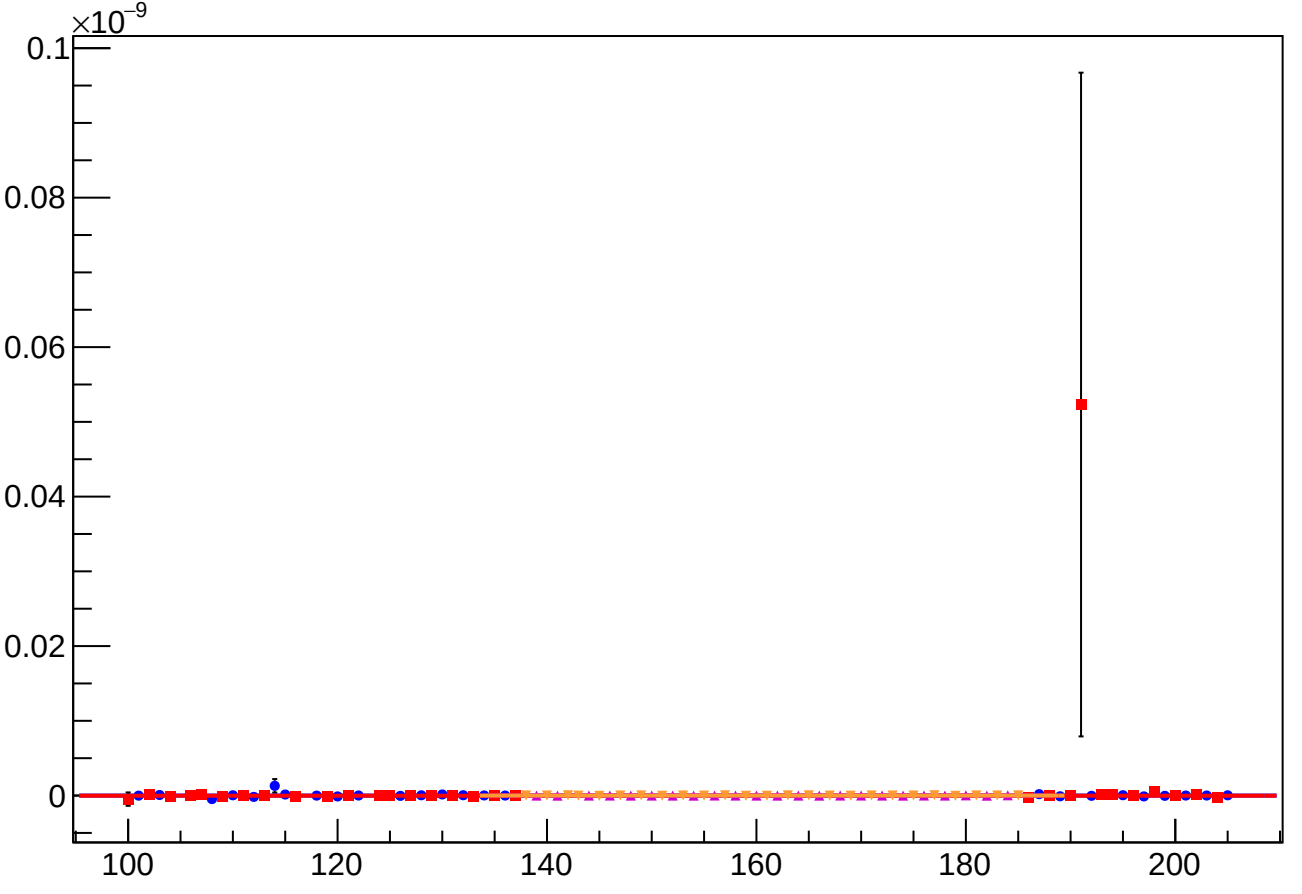
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1942.370+/-0.239 χ^2/NDF: 1103631.0/49

All: 1953.099+/-0.170 χ^2/NDF: 2735931.0/10

- sign 1964.102+/-0.242 χ^2/NDF: 1628229.8/52

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/29

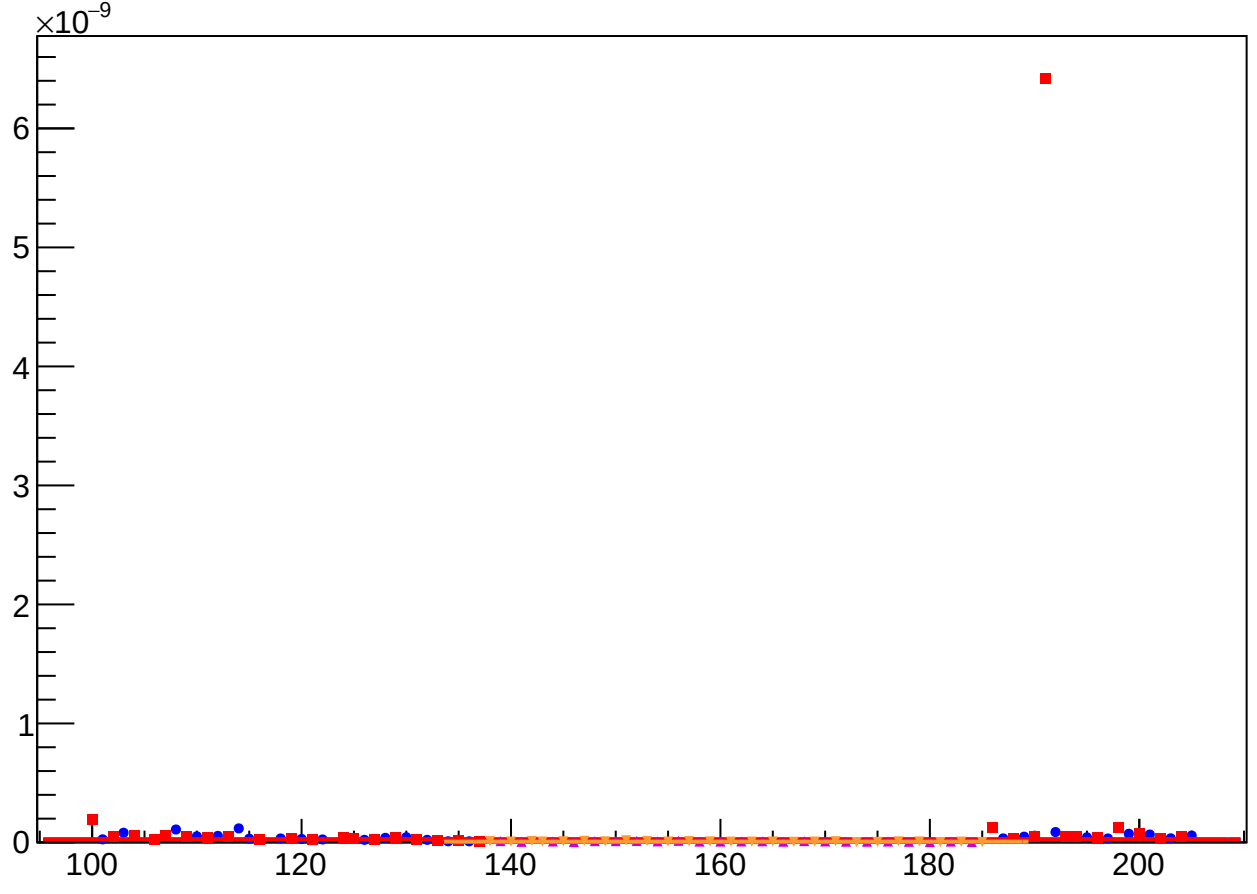
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/49

All: 0.000+/-0.000 χ^2/NDF: 117.7/102

- sign 0.000+/-0.000 χ^2/NDF: 52.6/52

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4503290.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3094919.7/29

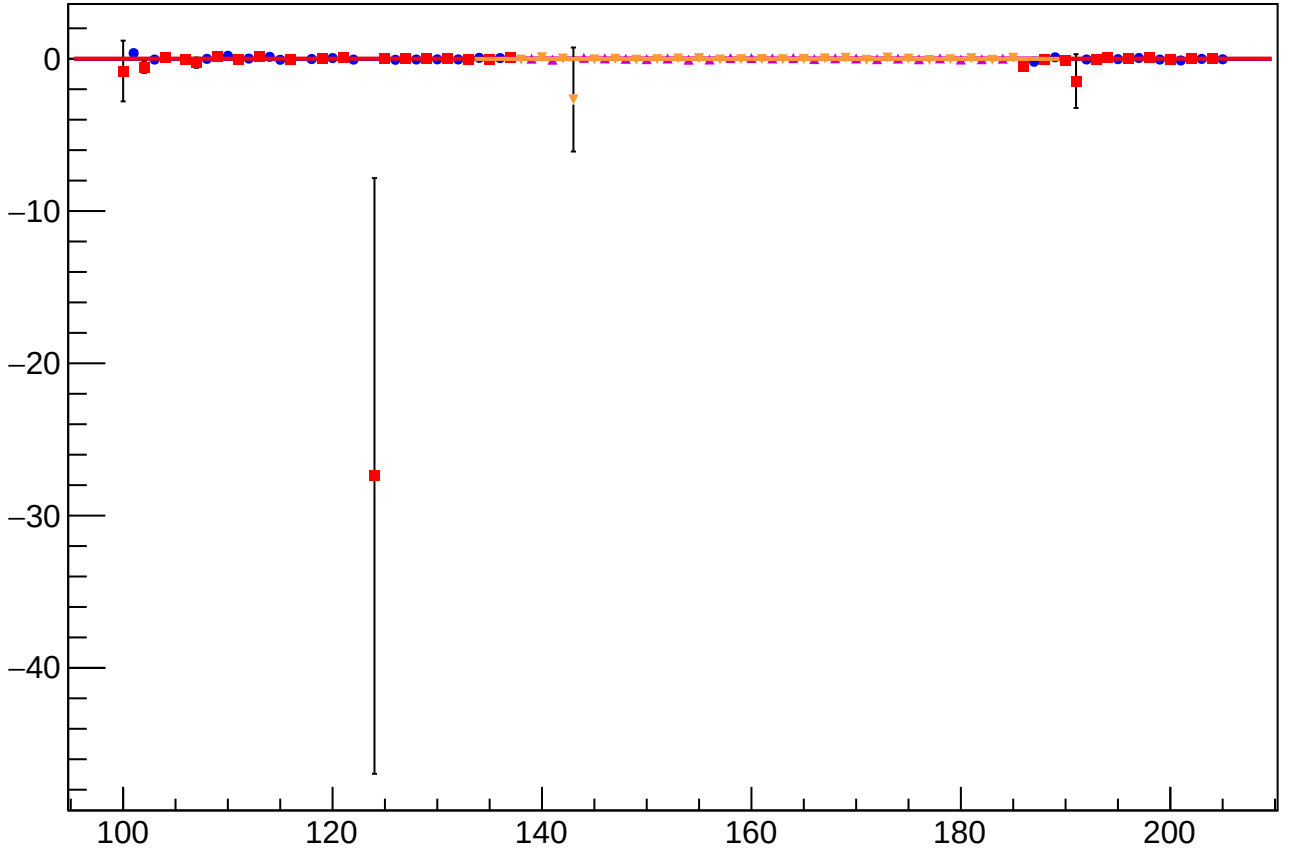
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8927955.8/49

All: 0.000+/-0.000 χ^2/NDF: 17889843.5/102

- sign 0.000+/-0.000 χ^2/NDF: 8959042.6/52

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

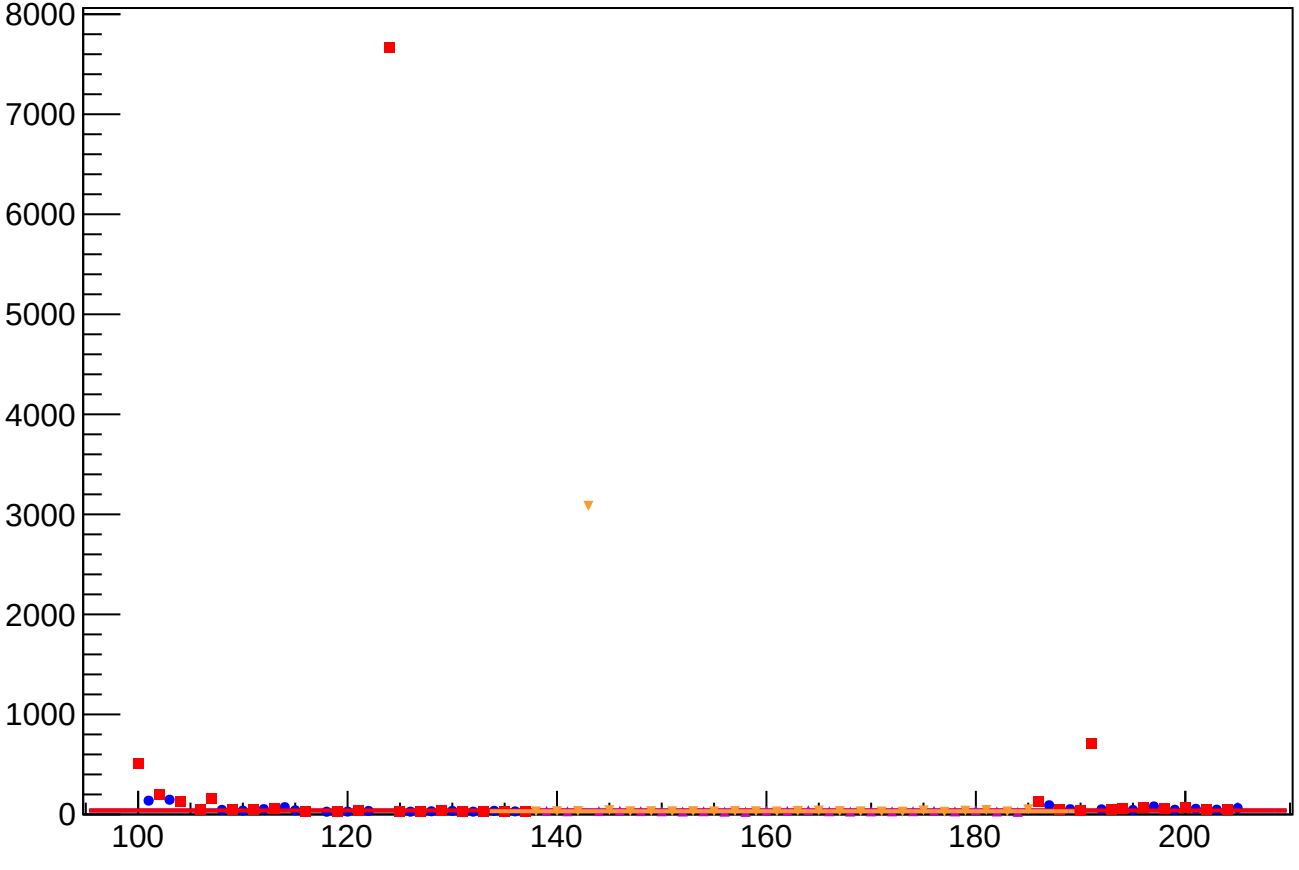
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.4/102

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

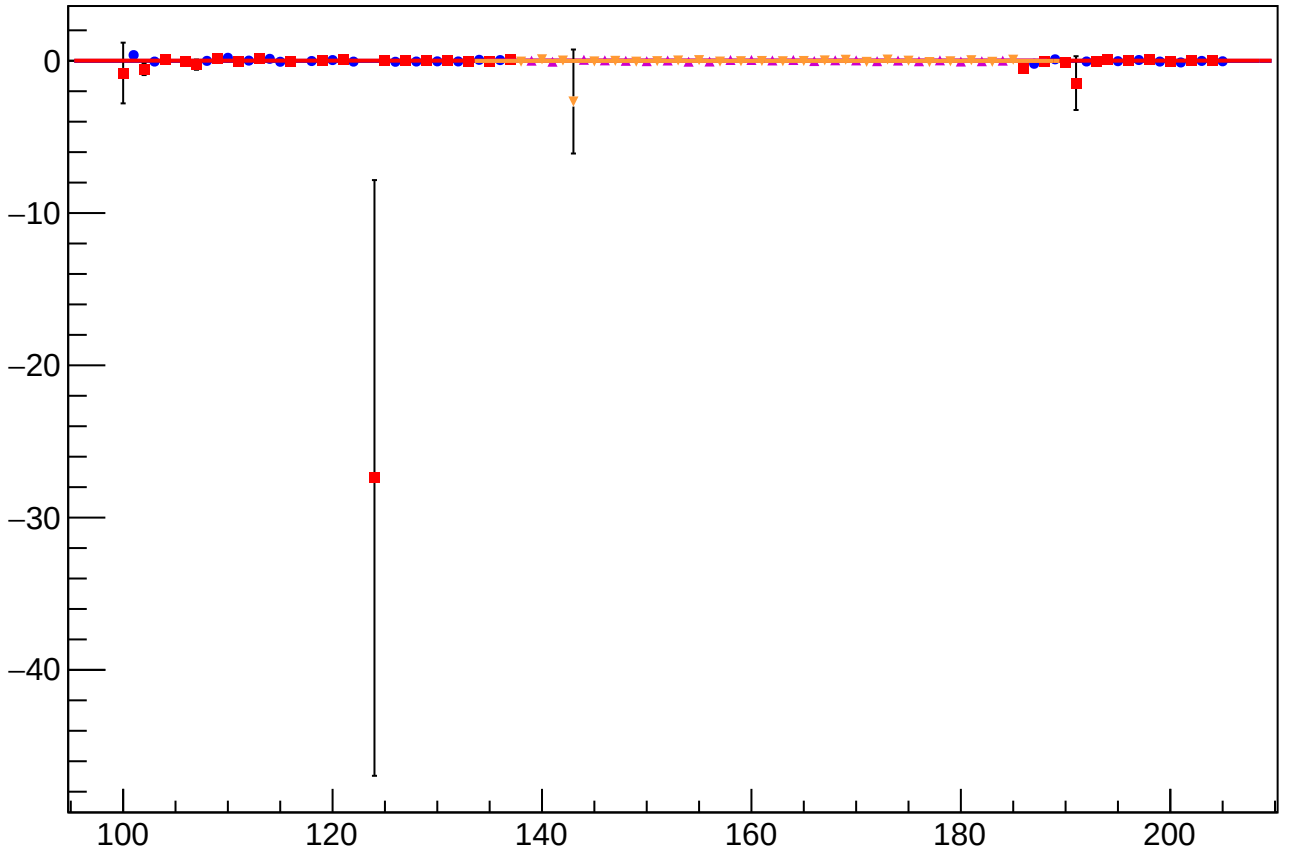
Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

\+ sign 34.602+/-0.005 χ^2/NDF: 5707837.6/49

All: 34.689+/-0.003 χ^2/NDF: 10896142.6/102

\- sign 34.778+/-0.005 χ^2/NDF: 5187645.1/52



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

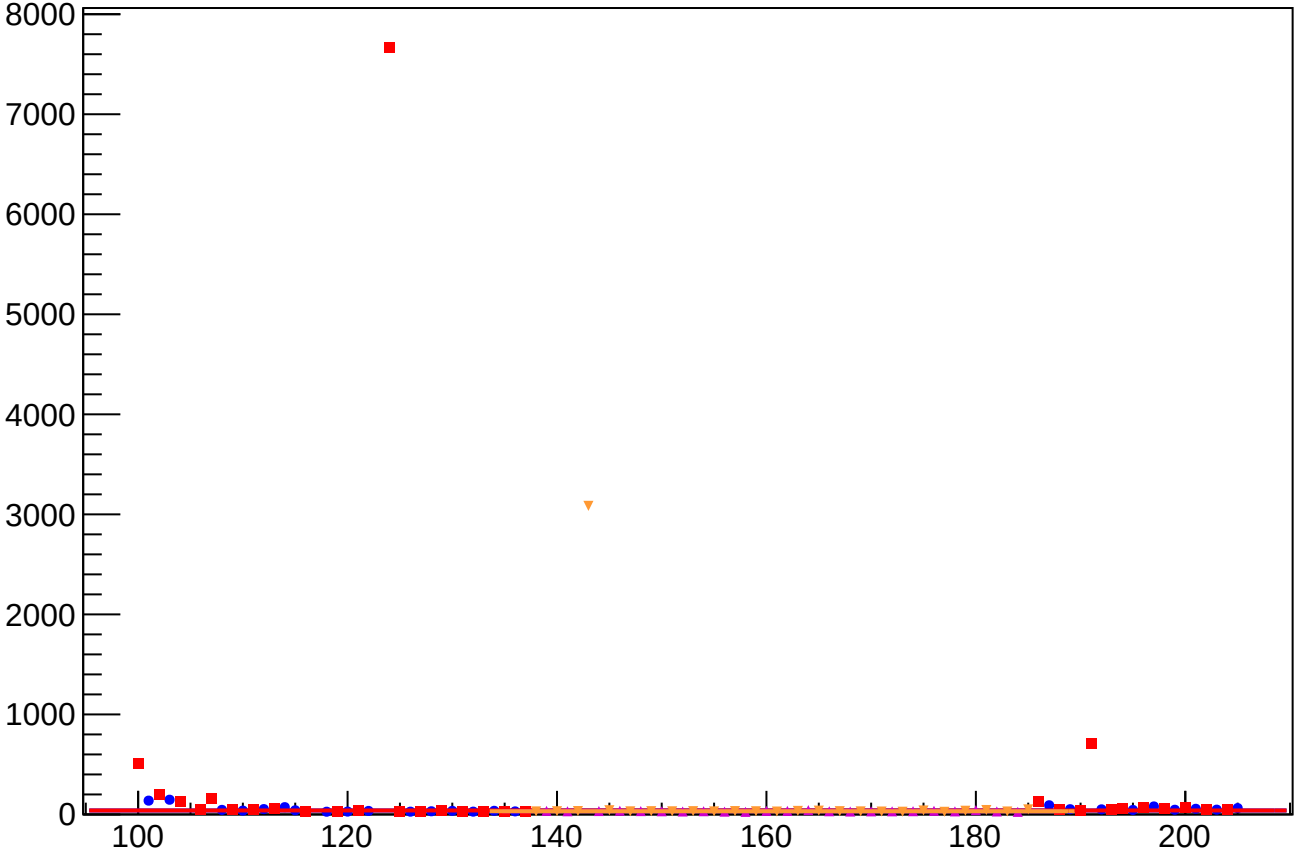
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.4/102

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

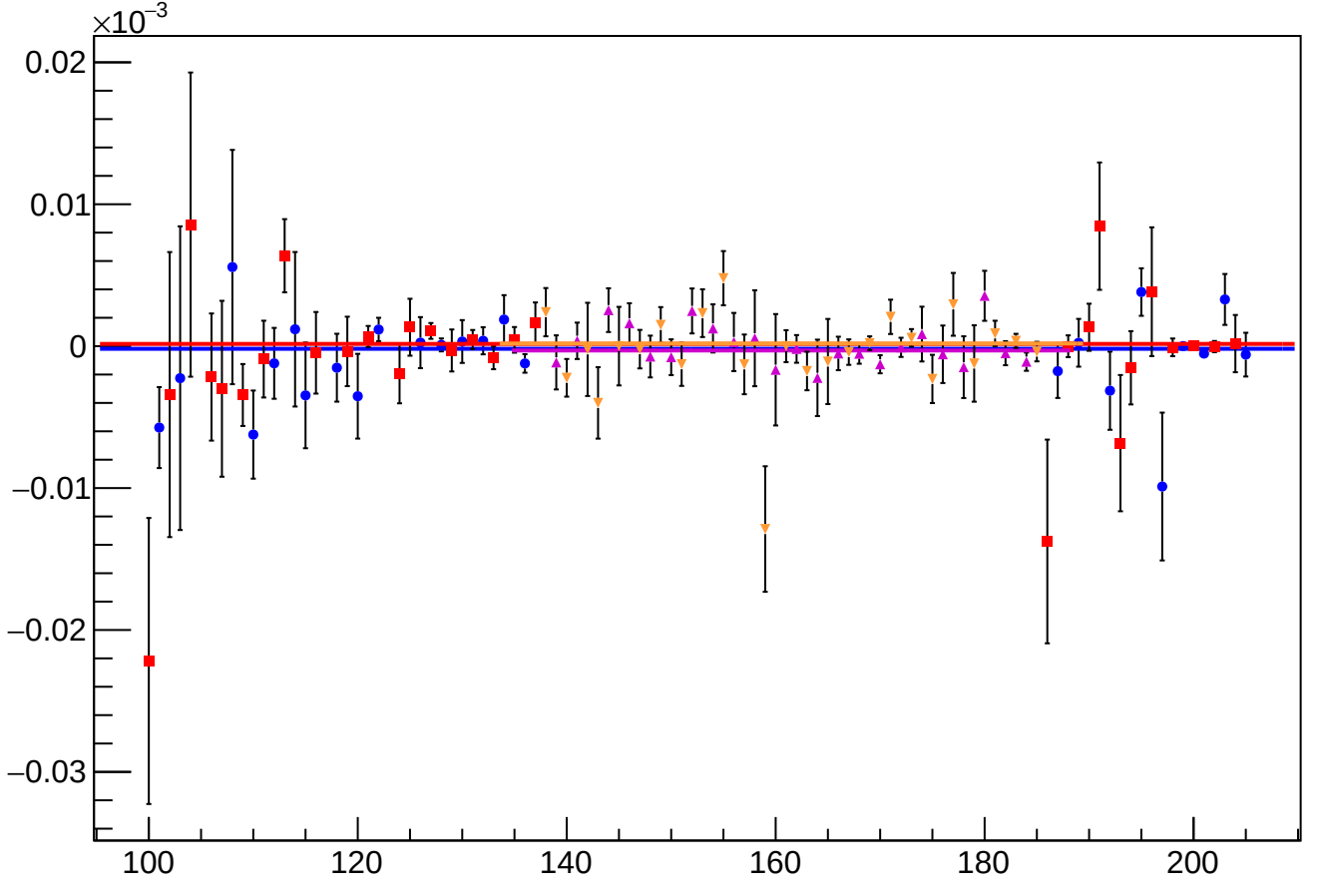
Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

\+ sign 34.602+/-0.005 χ^2/NDF: 5707837.6/49

All: 34.689+/-0.003 χ^2/NDF: 10896142.6/102

\- sign 34.778+/-0.005 χ^2/NDF: 5187645.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/29

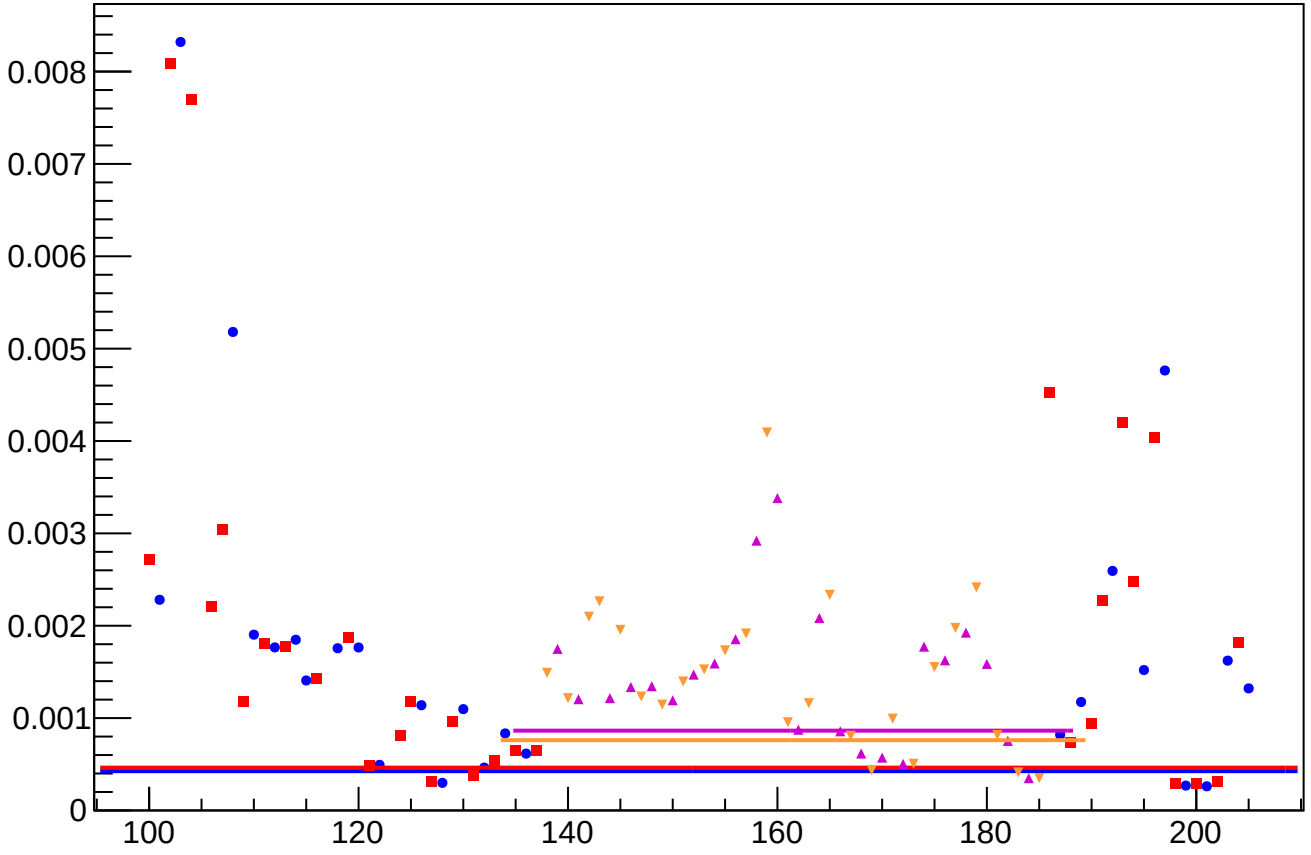
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.3/49

All: -0.000+/-0.000 χ^2/NDF: 131.0/102

- sign 0.000+/-0.000 χ^2/NDF: 56.6/52

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12845854.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

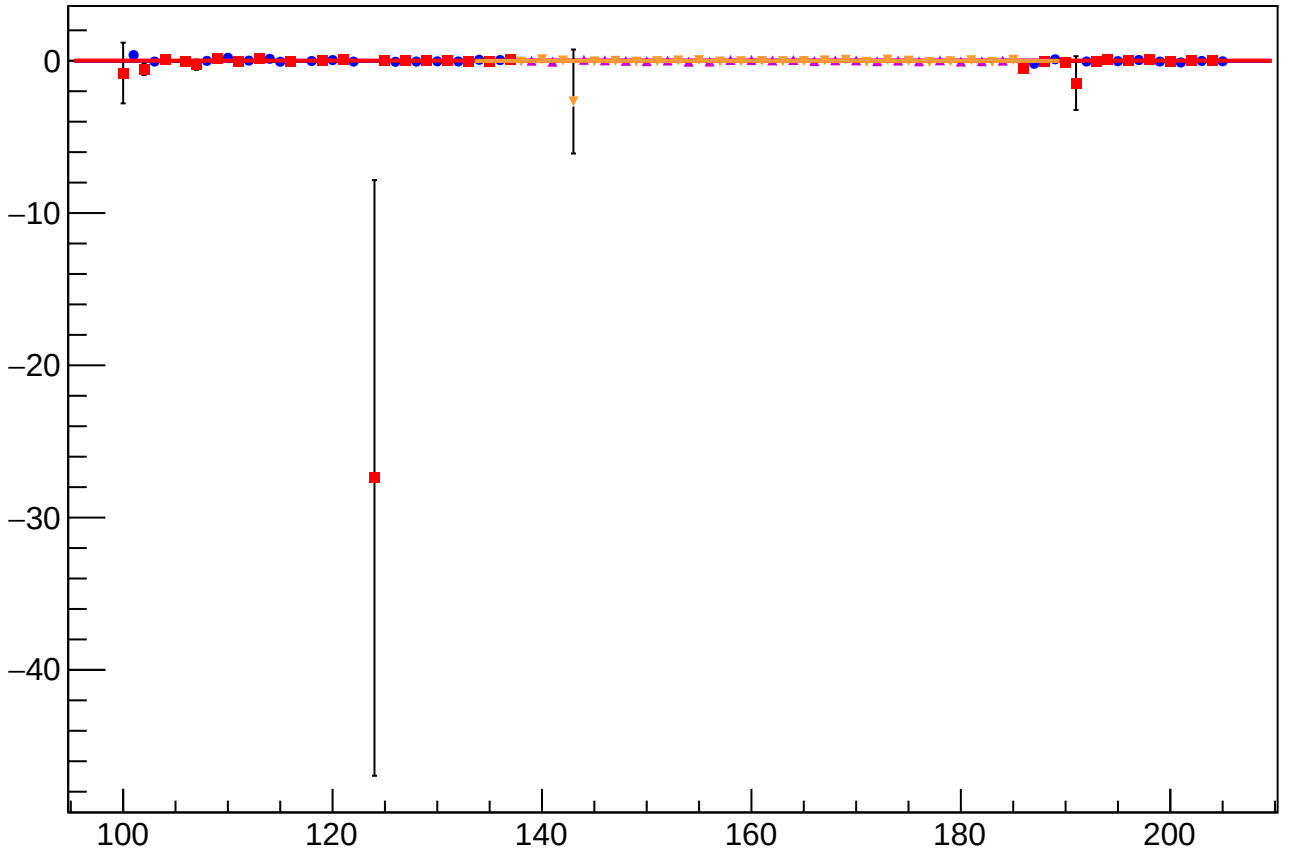
Right Out: 0.000+/-0.000 χ^2/NDF: 12838158.5/29

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 27066681.8/49

All: 0.001+/-0.000 χ^2/NDF: 52181910.4/102

- sign 0.001+/-0.000 χ^2/NDF: 24986369.9/52



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

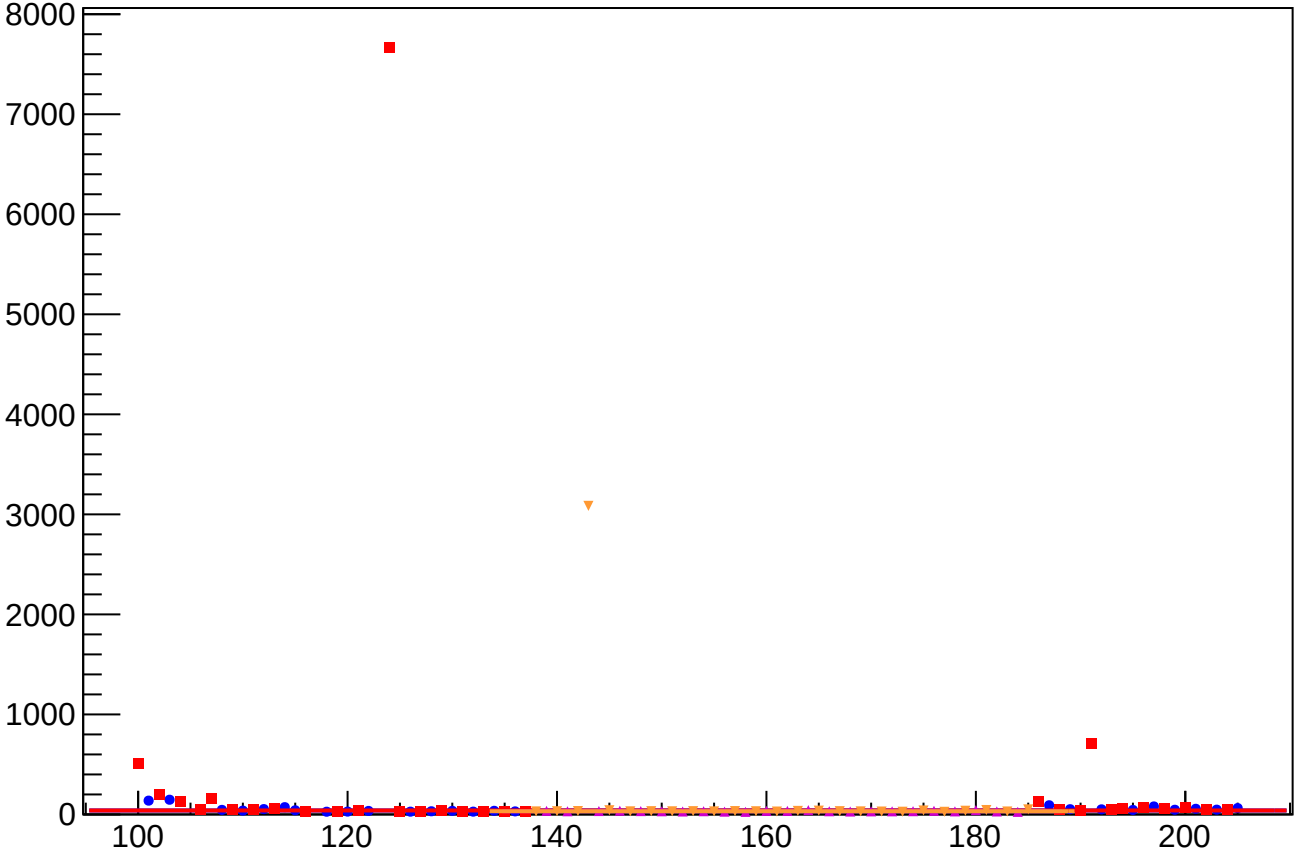
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.4/102

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

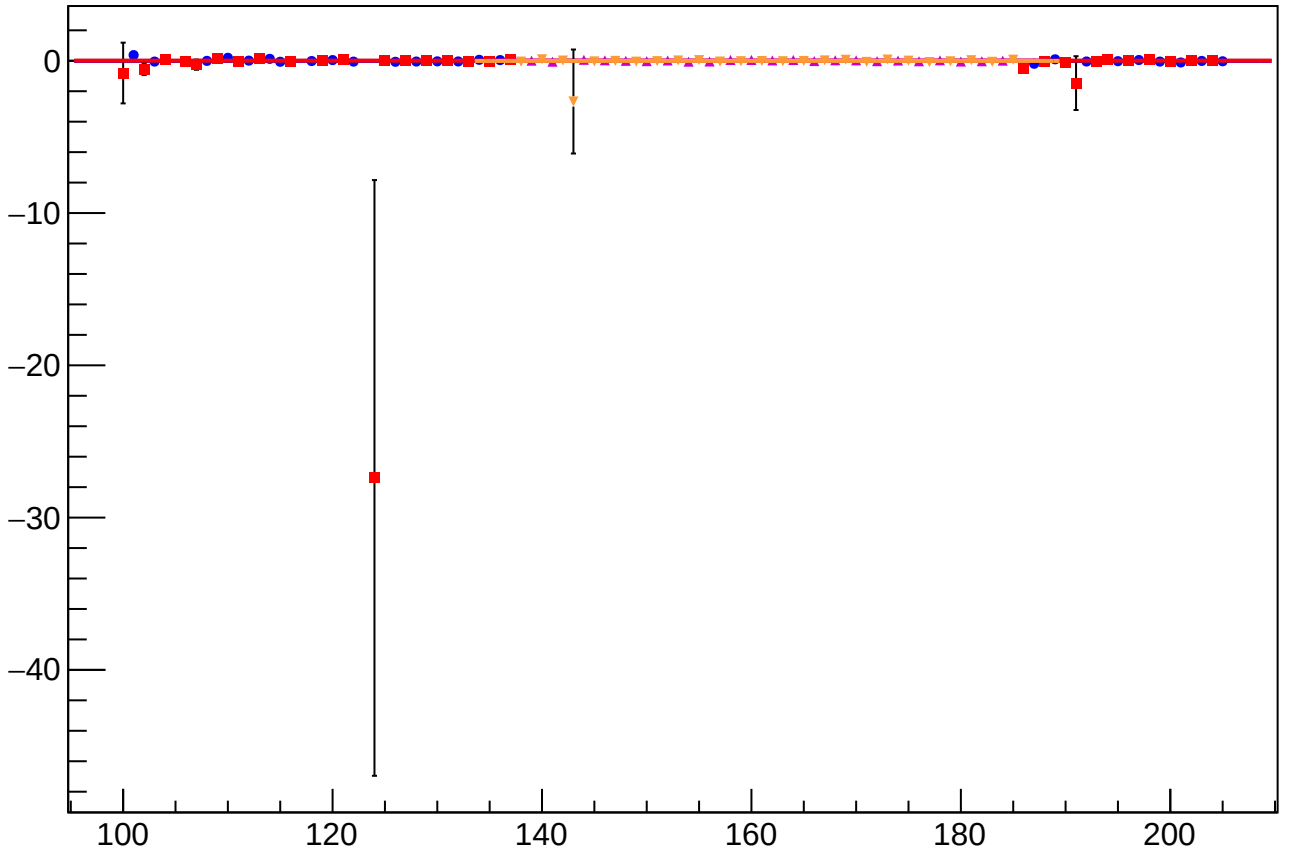
Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.602+/-0.005 χ^2/NDF: 5707861.7/49

All: 34.689+/-0.003 χ^2/NDF: 10896036.4/102

- sign 34.778+/-0.005 χ^2/NDF: 5187513.2/52



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

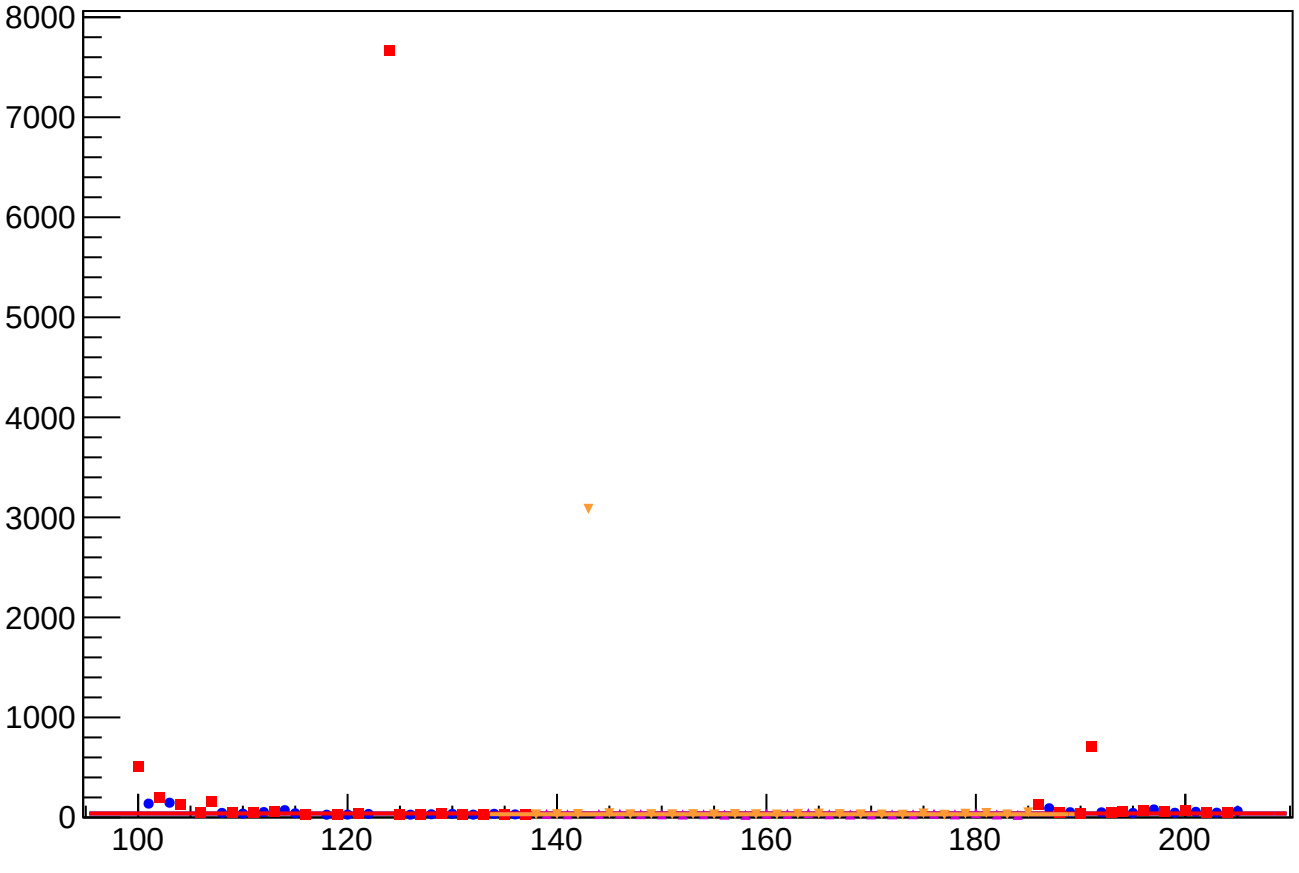
Right Out: 0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.4/102

- sign 0.005+/-0.007 χ^2/NDF: 46.9/52



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

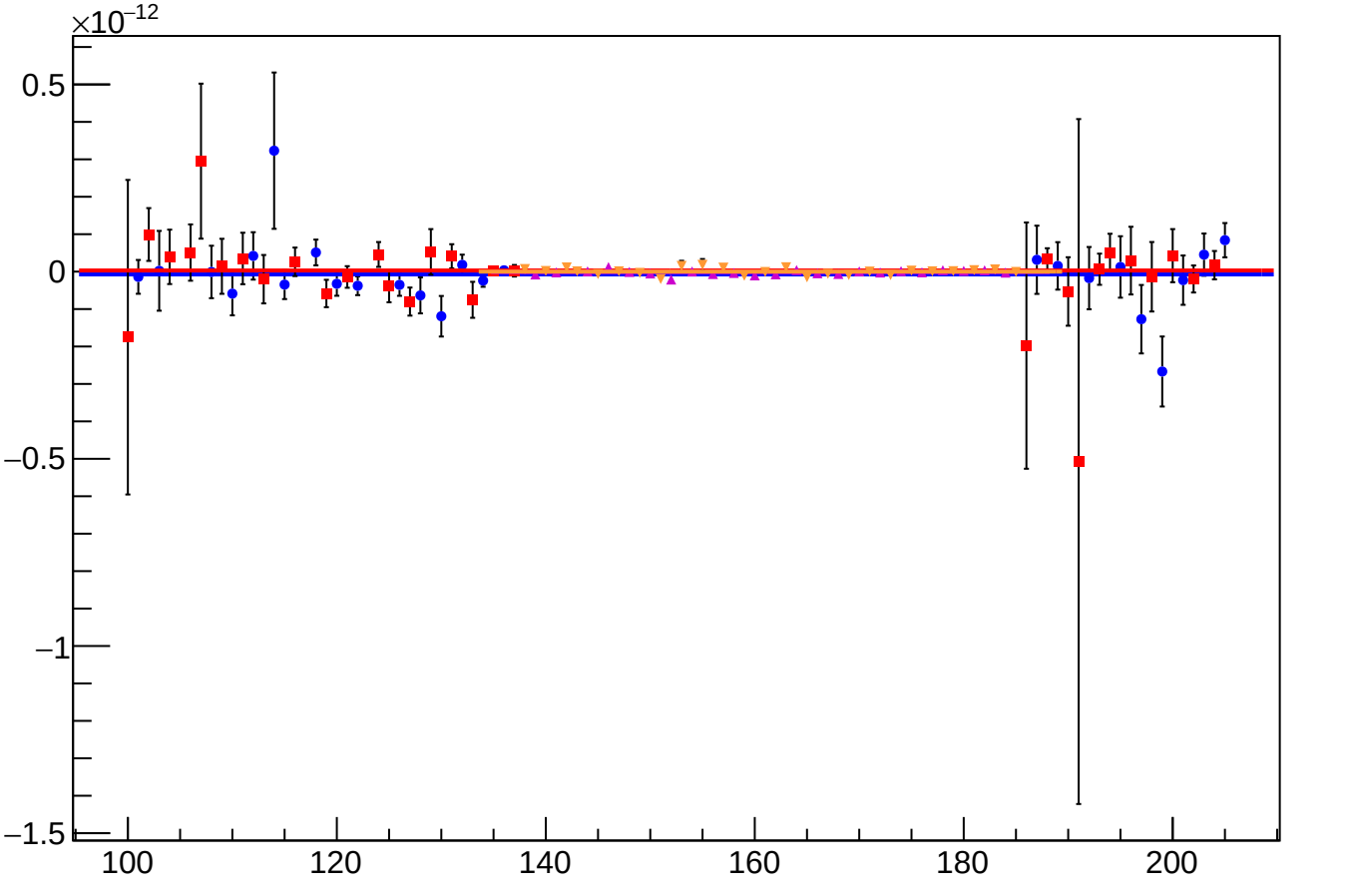
Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

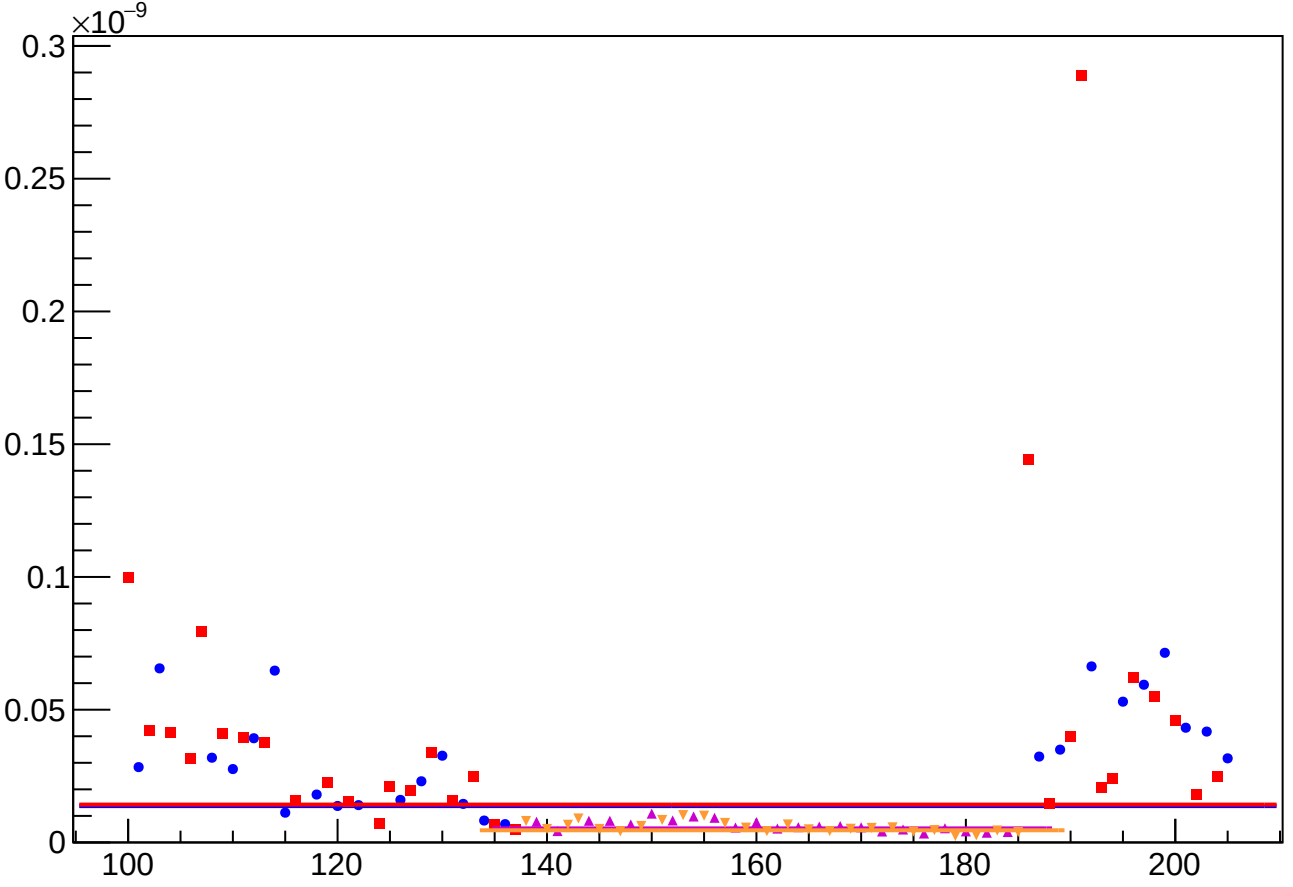
+ sign 34.602+/-0.005 χ^2/NDF: 5707861.7/49

All: 34.689+/-0.003 χ^2/NDF: 10896036.4/102

- sign 34.778+/-0.005 χ^2/NDF: 5187513.2/52


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.0/24
Left Out: 0.000+/-0.000 χ²/NDF:21.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.8/29
Left In: -0.000+/-0.000 χ²/NDF:9.2/22
+ sign -0.000+/-0.000 χ²/NDF: 56.5/49
All: -0.000+/-0.000 χ²/NDF: 90.9/102
- sign -0.000+/-0.000 χ²/NDF: 34.4/52

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7118922.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6216312.9/29

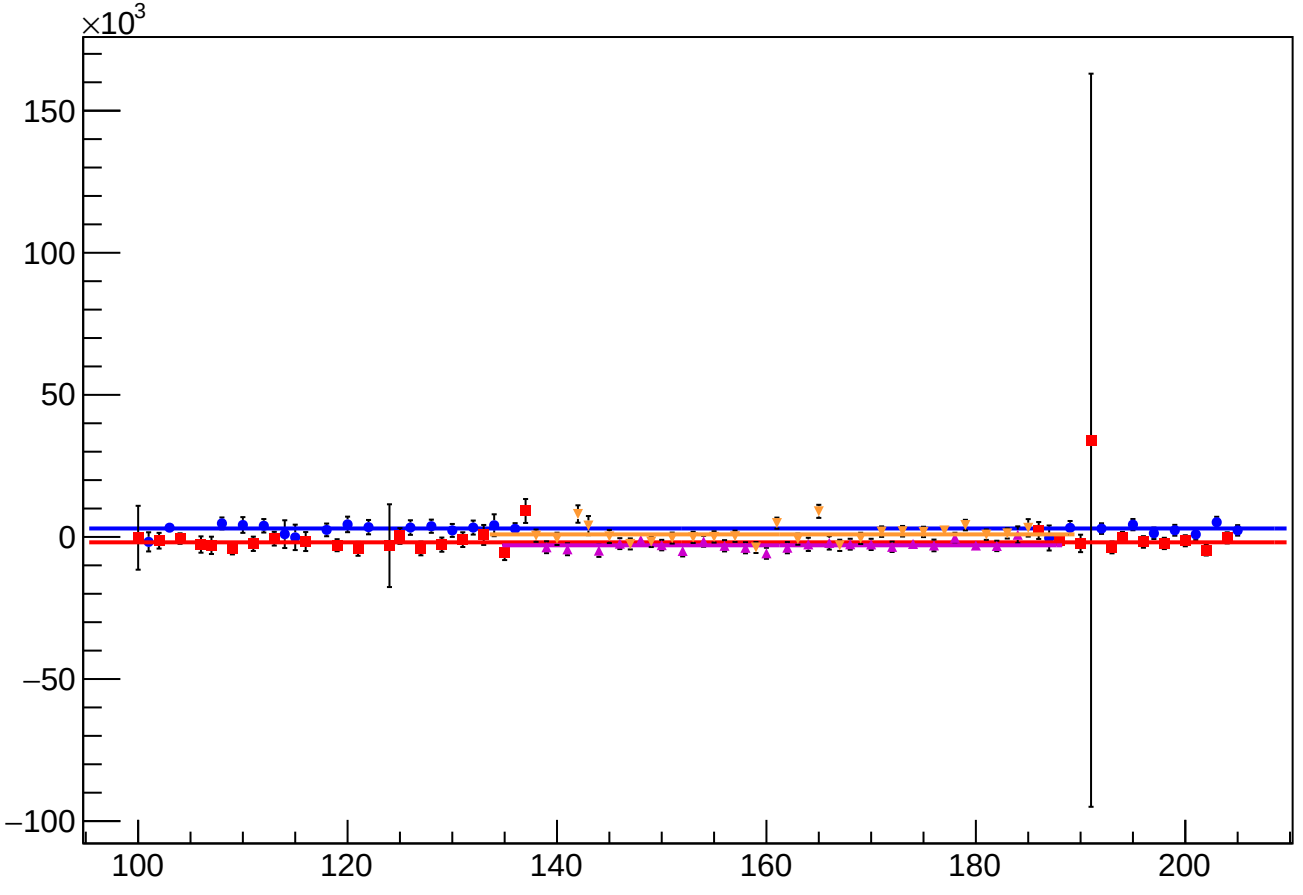
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14051879.1/49

All: 0.000+/-0.000 χ^2/NDF: 26254881.5/102

- sign 0.000+/-0.000 χ^2/NDF: 11950385.8/52

reg_asym_at2_avg_mean vs Slug



Right In: 2980.330+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1895.723+/-452.903 χ^2/NDF: 20.8/29

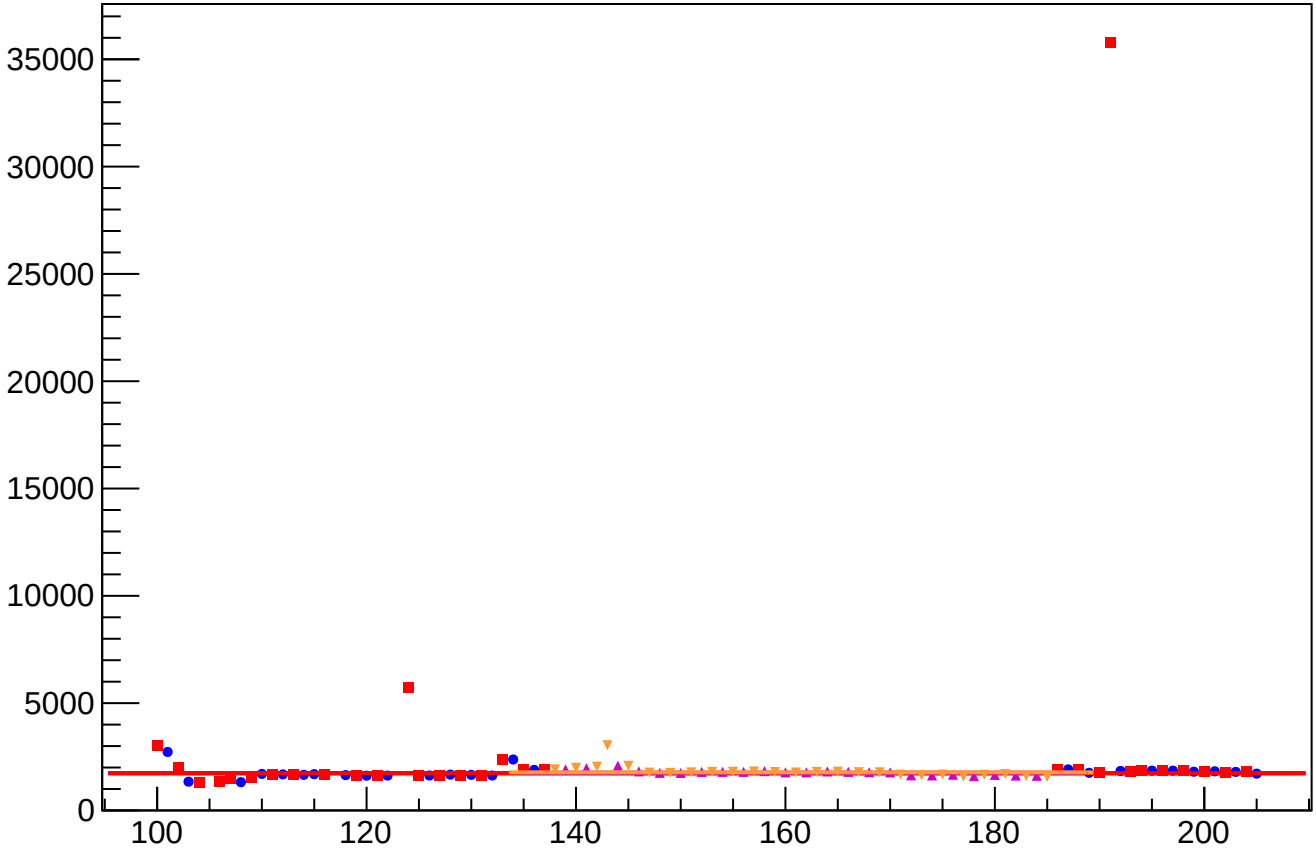
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1798.821+/-305.544 χ^2/NDF: 65.4/49

All: -340.269+/-215.786 χ^2/NDF: 197.5/102

- sign -2468.848+/-304.793 χ^2/NDF: 34.3/52

reg_asym_at2_avg_rms vs Slug



Right In: 1728.712+/-0.329 χ^2/NDF: 474345.7/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.6/29

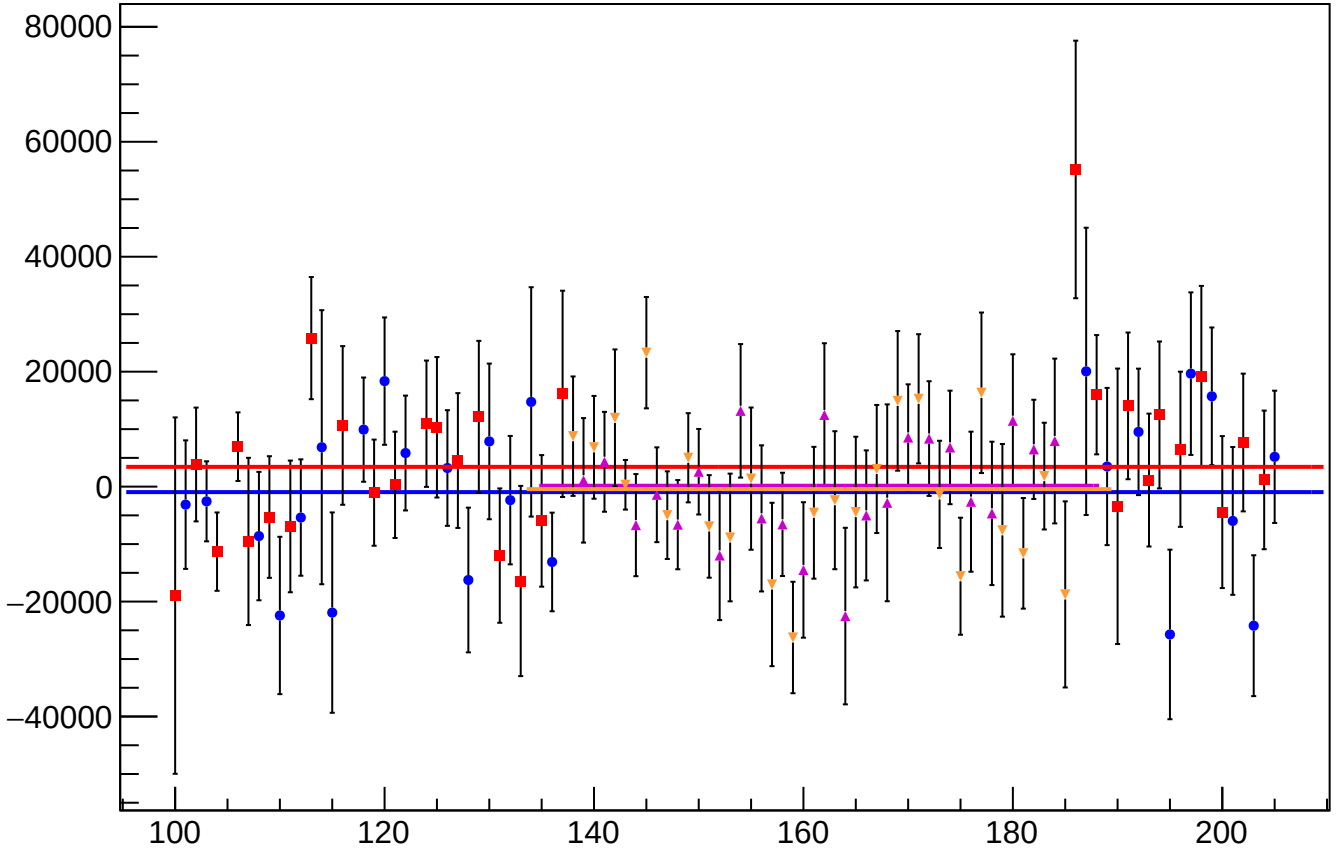
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.834+/-0.216 χ^2/NDF: 932375.9/49

All: 1752.659+/-0.153 χ^2/NDF: 1751388.4/10

- sign 1750.494+/-0.216 χ^2/NDF: 818810.2/52

asym_at2_avg_reg_correction_mean vs Slug



Right In: -956.125+/-2325.684 χ^2/NDF: 27.1/24

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3437.618+/-2079.616 χ^2/NDF: 28.2/29

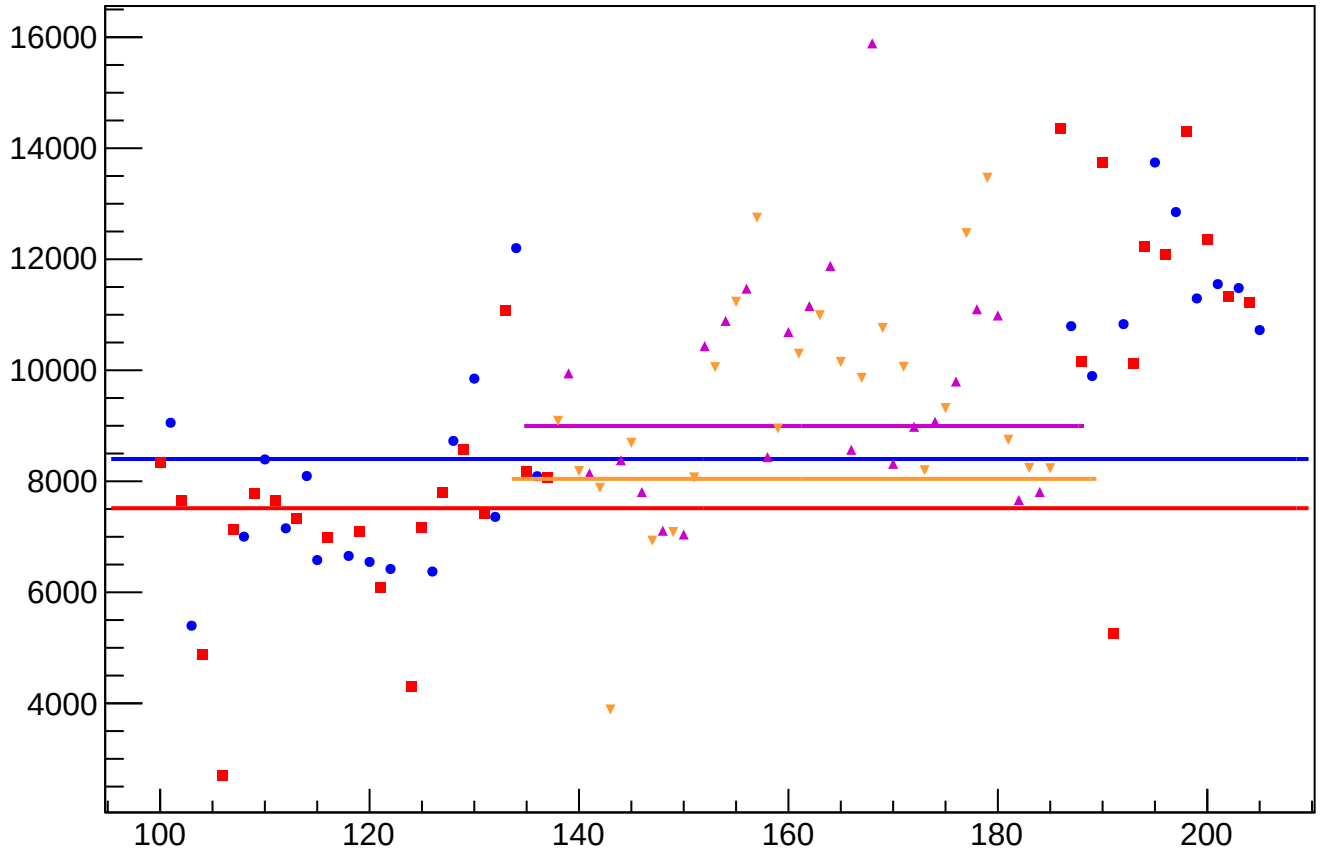
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -651.903+/-1483.193 χ^2/NDF: 56.6/49

All: 589.206+/-1052.079 χ^2/NDF: 101.2/102

- sign 1846.076+/-1492.581 χ^2/NDF: 43.2/52

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8401.563+/-1.645 χ^2/NDF: 1913885.5/24

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7515.068+/-1.471 χ^2/NDF: 4097420.7/29

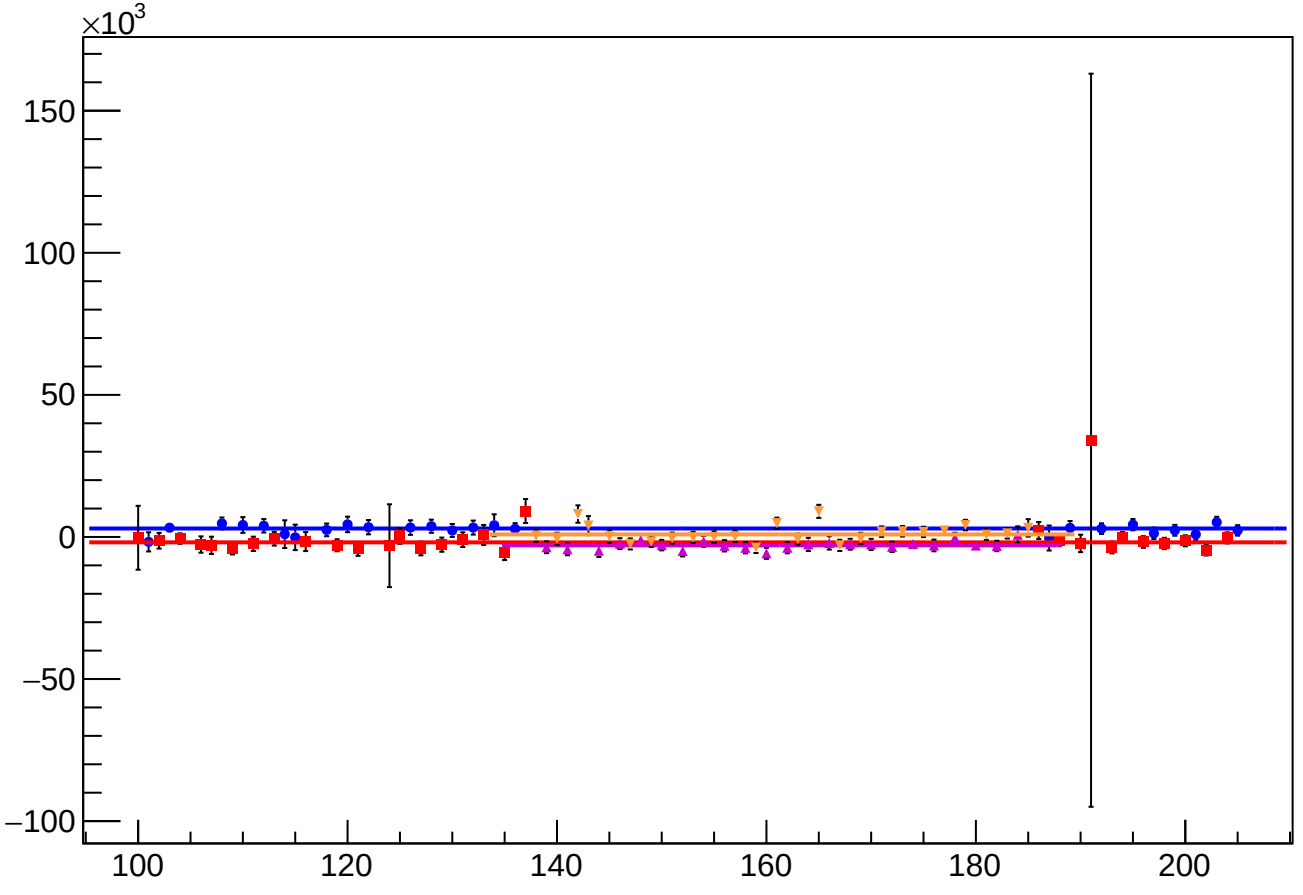
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8189.329+/-1.049 χ^2/NDF: 5304797.7/49

All: 8211.005+/-0.744 χ^2/NDF: 11101740.2/1

- sign 8232.957+/-1.055 χ^2/NDF: 5796082.7/52

cor_asym_at2_avg_mean vs Slug



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1895.630+/-452.903 χ^2/NDF: 20.8/29

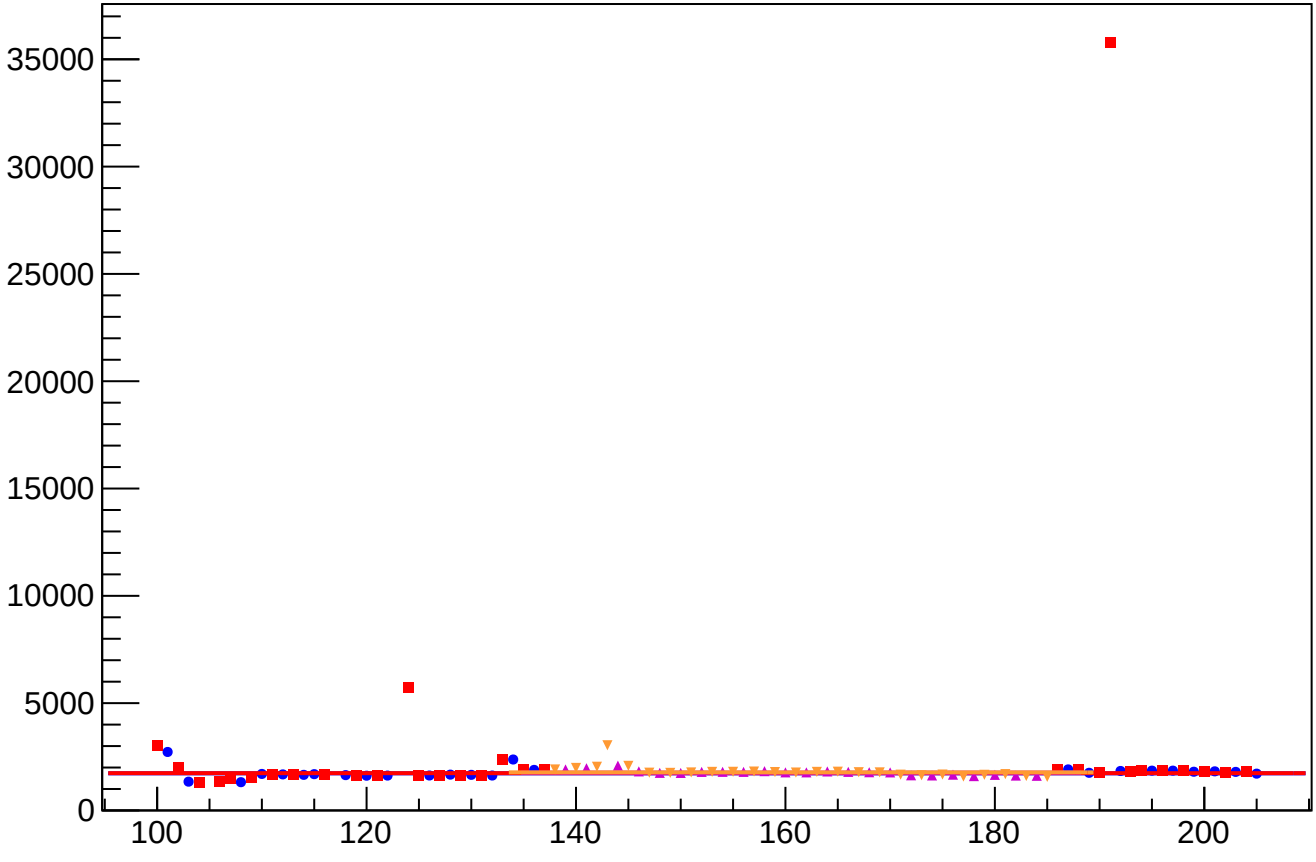
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1798.796+/-305.544 χ^2/NDF: 65.4/49

All: -340.229+/-215.786 χ^2/NDF: 197.5/102

- sign -2468.743+/-304.793 χ^2/NDF: 34.3/52

cor_asym_at2_avg_rms vs Slug



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

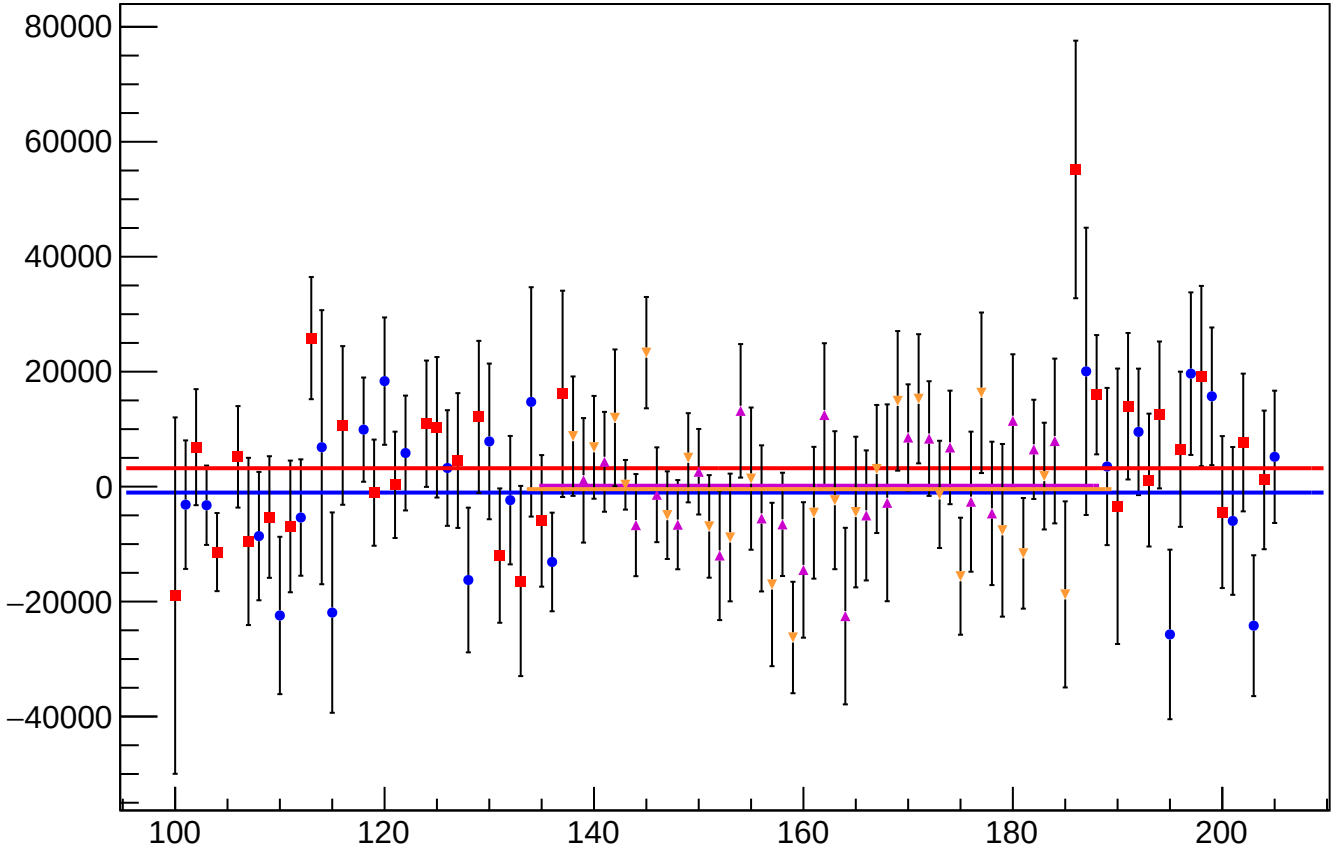
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.834+/-0.216 χ^2/NDF: 932376.4/49

All: 1752.659+/-0.153 χ^2/NDF: 1751389.1/10

- sign 1750.494+/-0.216 χ^2/NDF: 818810.4/52

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3202.606+/-2153.191 χ^2/NDF: 28.1/29

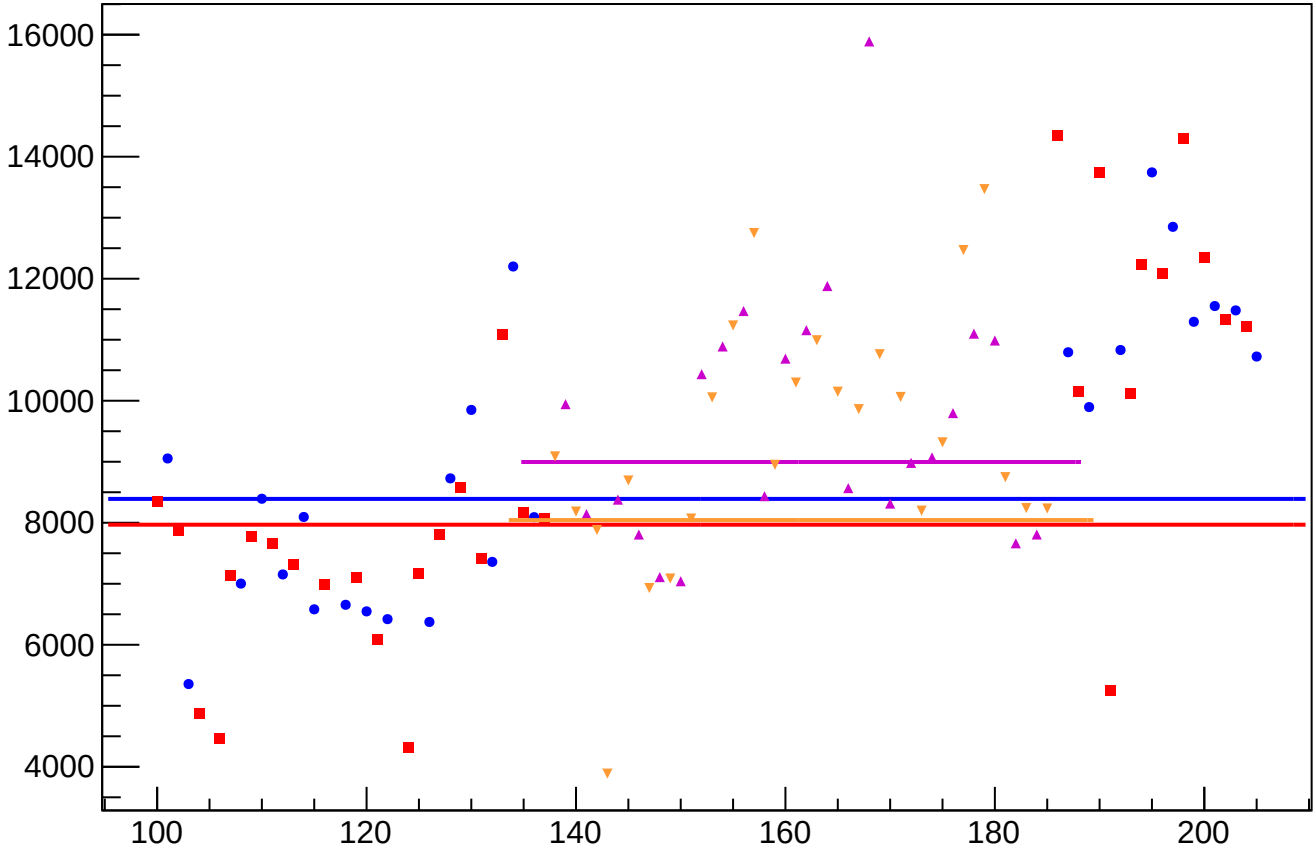
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -684.747+/-1482.611 χ^2/NDF: 56.6/49

All: 465.007+/-1061.028 χ^2/NDF: 100.7/102

- sign 1672.039+/-1519.093 χ^2/NDF: 42.9/52

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8390.996+/-1.643 χ^2/NDF: 1930956.0/24

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7968.142+/-1.523 χ^2/NDF: 2950211.9/29

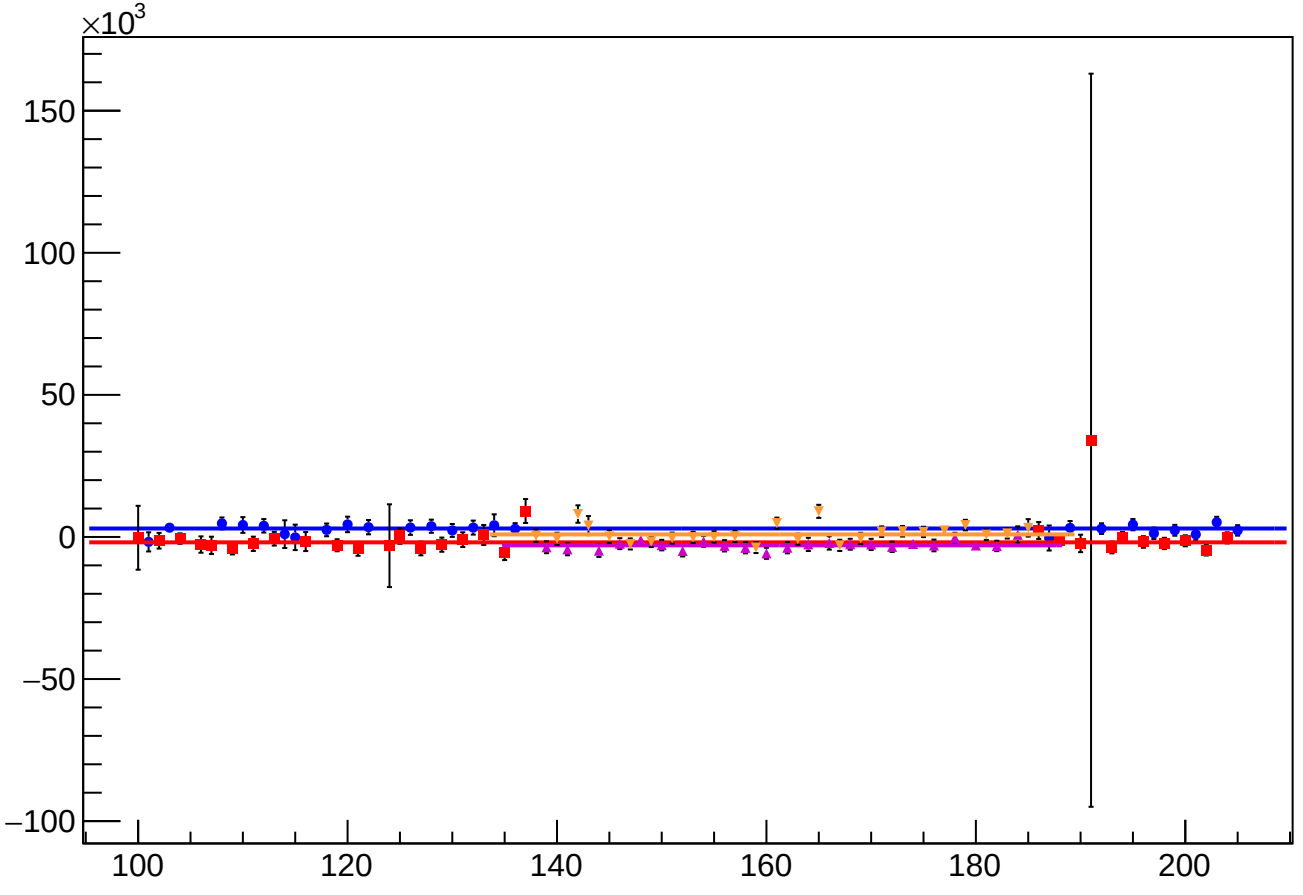
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8185.177+/-1.048 χ^2/NDF: 5320345.4/49

All: 8331.054+/-0.750 χ^2/NDF: 9746121.2/10

- sign 8484.199+/-1.074 χ^2/NDF: 4386087.0/52

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1895.630+/-452.903 χ^2/NDF: 20.8/29

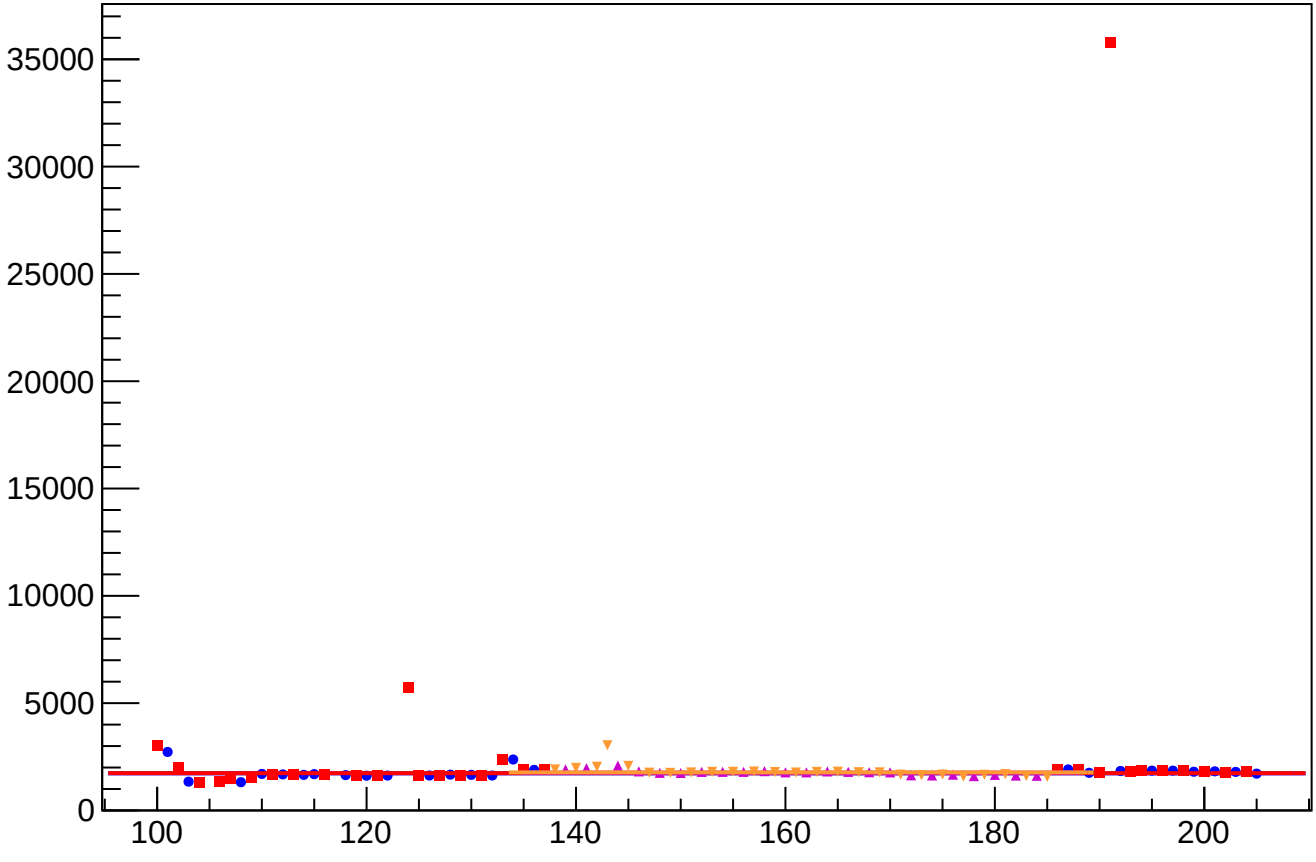
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1798.796+/-305.544 χ^2/NDF: 65.4/49

All: -340.229+/-215.786 χ^2/NDF: 197.5/102

- sign -2468.743+/-304.793 χ^2/NDF: 34.3/52

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

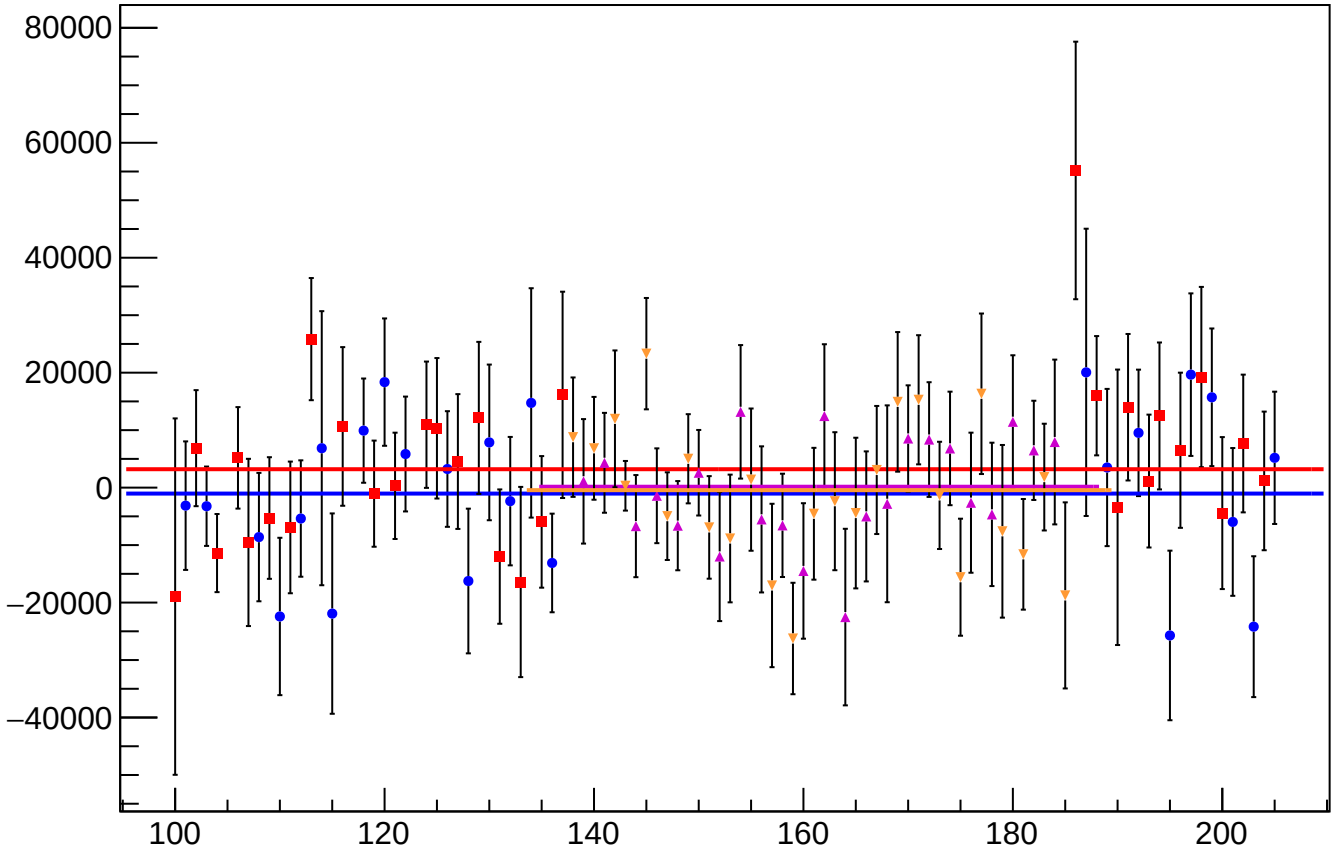
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.834+/-0.216 χ^2/NDF: 932376.4/49

All: 1752.659+/-0.153 χ^2/NDF: 1751389.1/10

- sign 1750.494+/-0.216 χ^2/NDF: 818810.4/52

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3202.606+/-2153.191 χ^2/NDF: 28.1/29

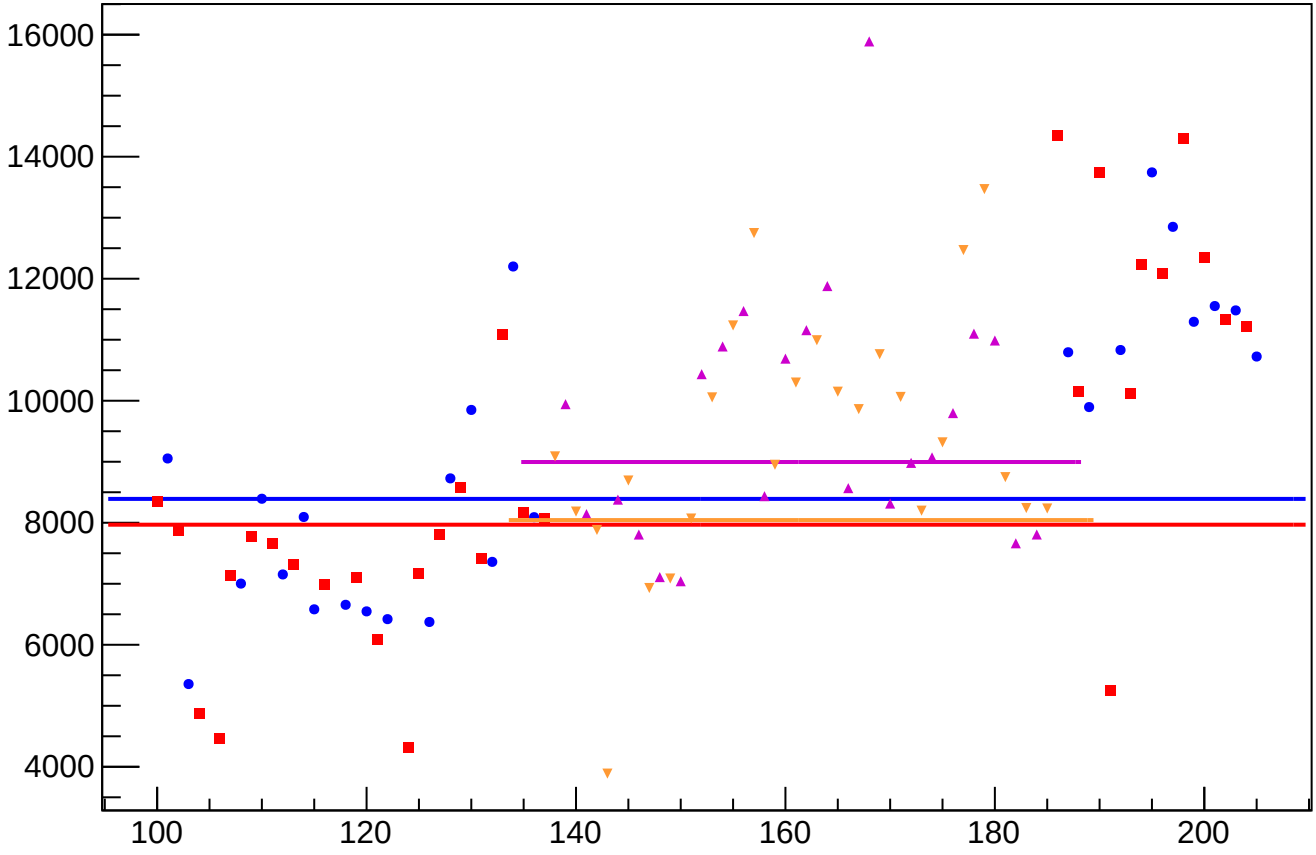
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -684.747+/-1482.611 χ^2/NDF: 56.6/49

All: 465.007+/-1061.028 χ^2/NDF: 100.7/102

\- sign 1672.039+/-1519.093 χ^2/NDF: 42.9/52

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8390.996+/-1.643 χ^2/NDF: 1930956.0/24

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7968.142+/-1.523 χ^2/NDF: 2950211.9/29

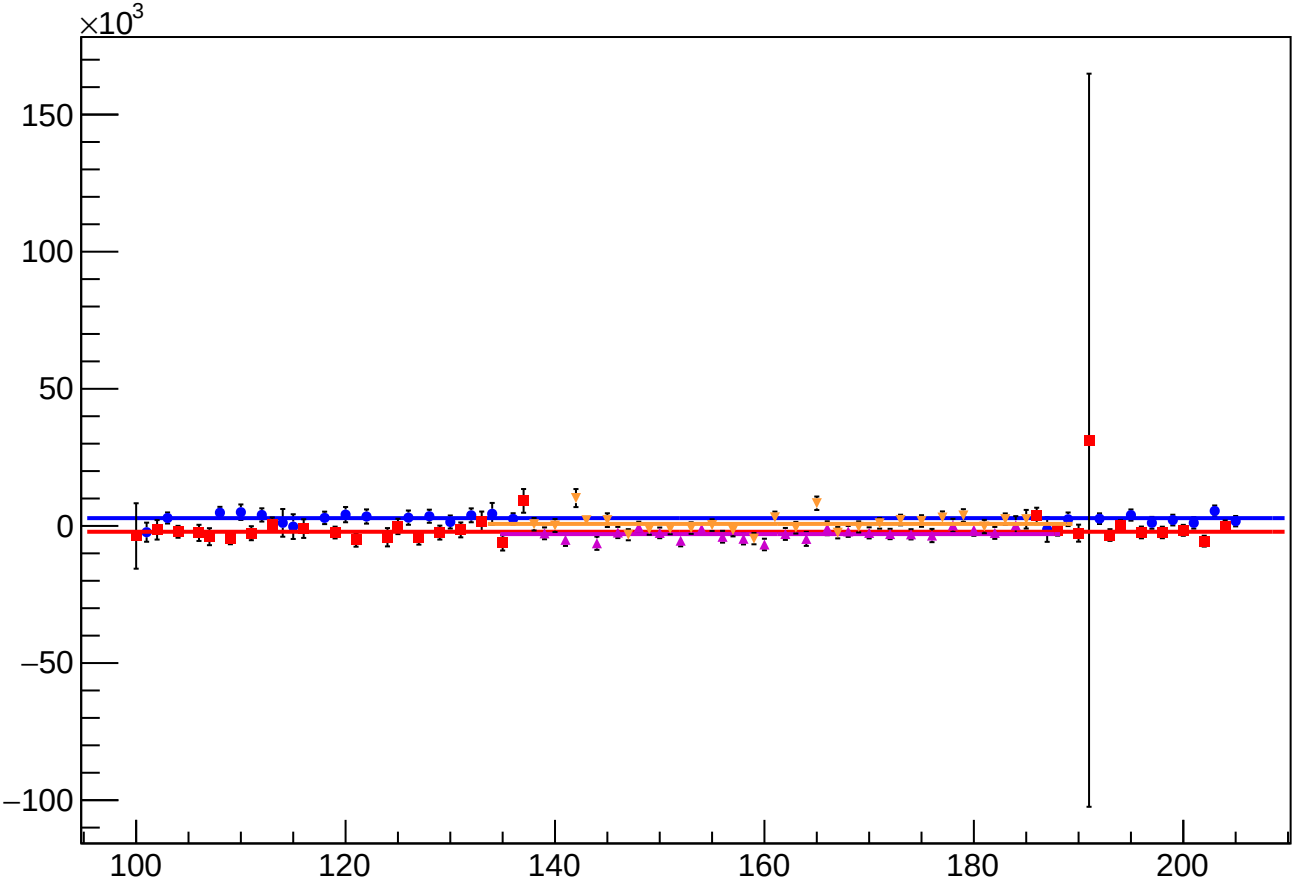
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8185.177+/-1.048 χ^2/NDF: 5320345.4/49

All: 8331.054+/-0.750 χ^2/NDF: 9746121.2/10

- sign 8484.199+/-1.074 χ^2/NDF: 4386087.0/52

dit_asym_at2_avg_mean vs Slug



Right In: 2842.452+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2125.649+/-466.798 χ^2/NDF: 25.7/29

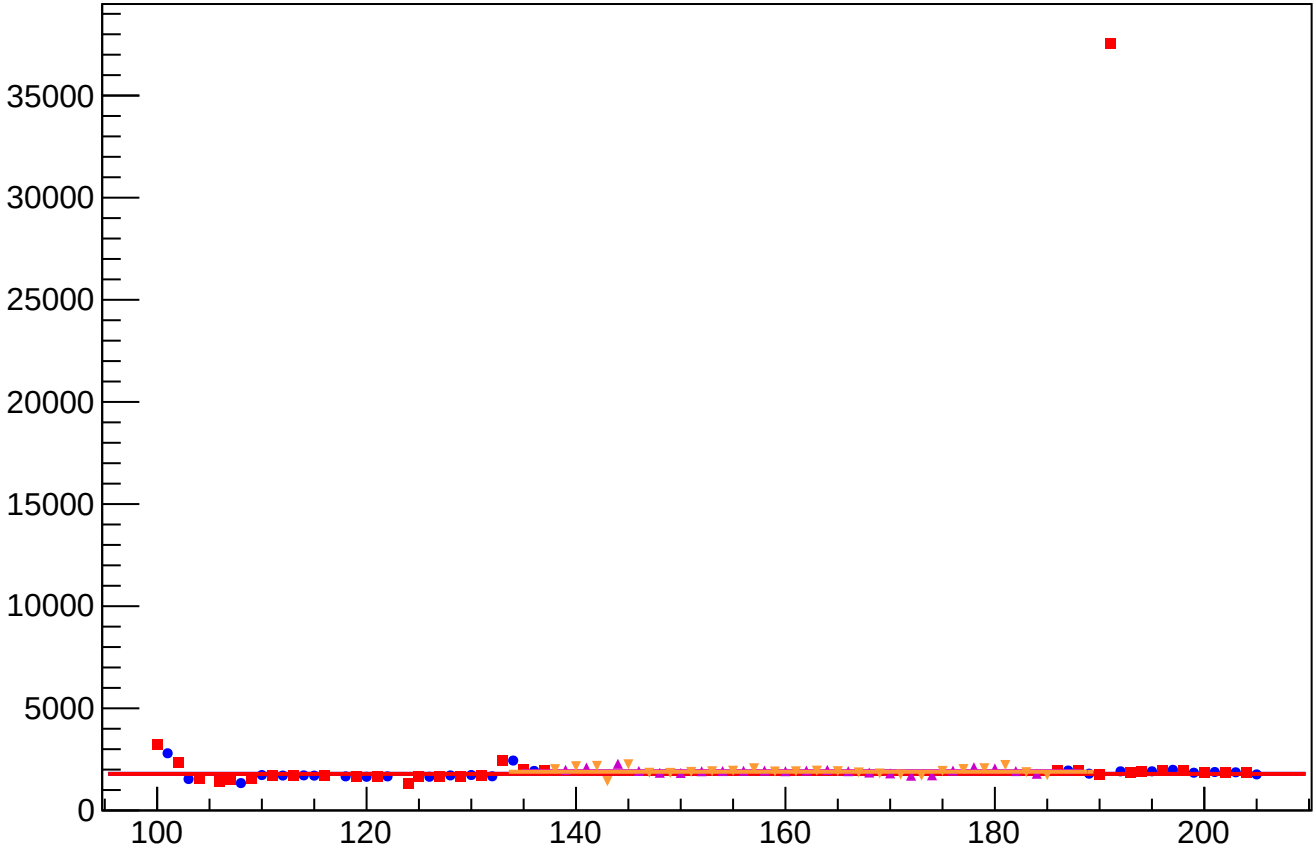
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1678.505+/-322.010 χ^2/NDF: 62.4/49

All: -430.896+/-228.430 χ^2/NDF: 191.8/102

- sign -2567.755+/-324.099 χ^2/NDF: 43.1/52

dit_asym_at2_avg_rms vs Slug



Right In: 1792.963+/-0.341 χ^2/NDF: 429425.2/24

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537682.3/29

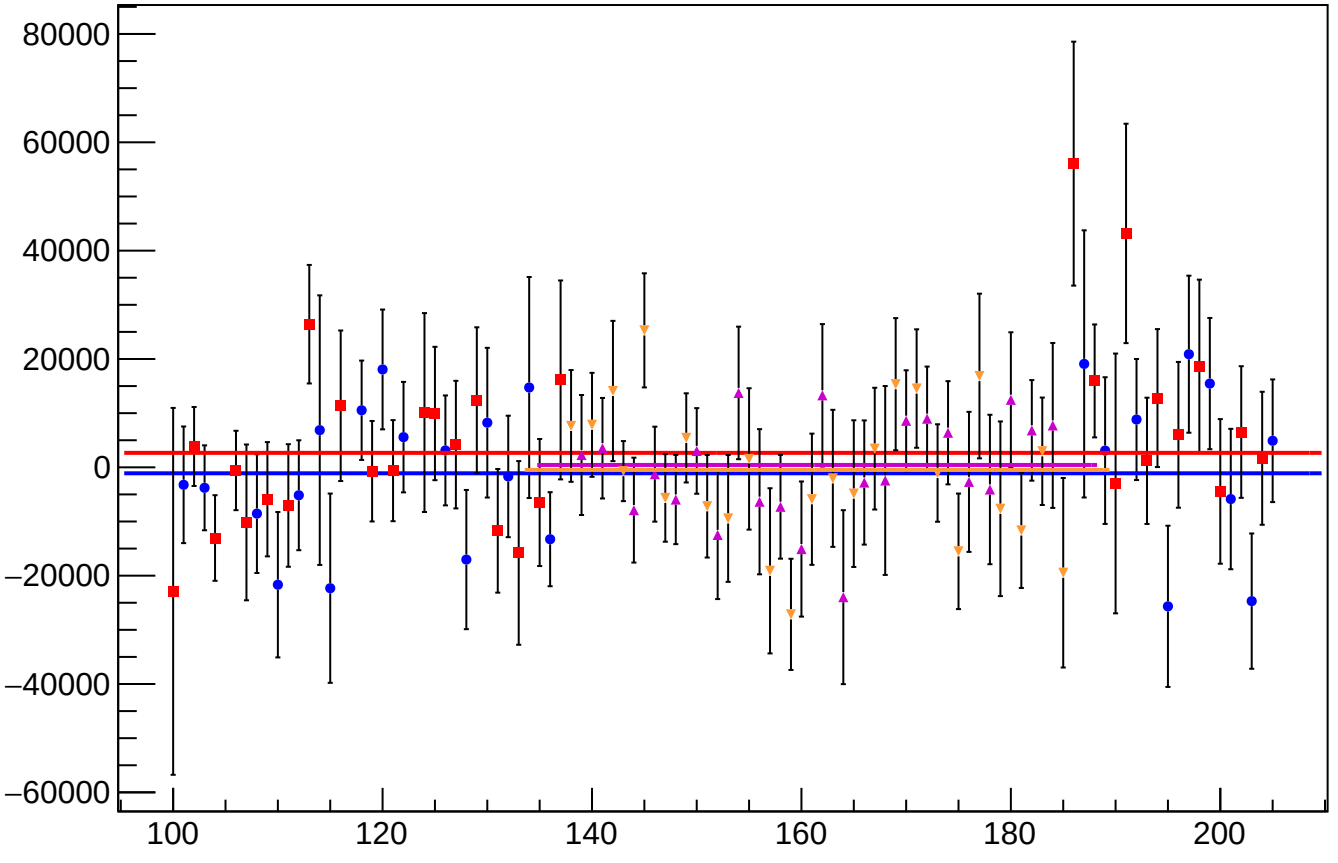
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1849.251+/-0.228 χ^2/NDF: 847339.2/49

All: 1853.875+/-0.162 χ^2/NDF: 1621869.5/10

- sign 1858.558+/-0.229 χ^2/NDF: 773700.3/52

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1101.701+/-2363.200 χ^2/NDF: 26.9/24

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2672.667+/-2163.569 χ^2/NDF: 30.7/29

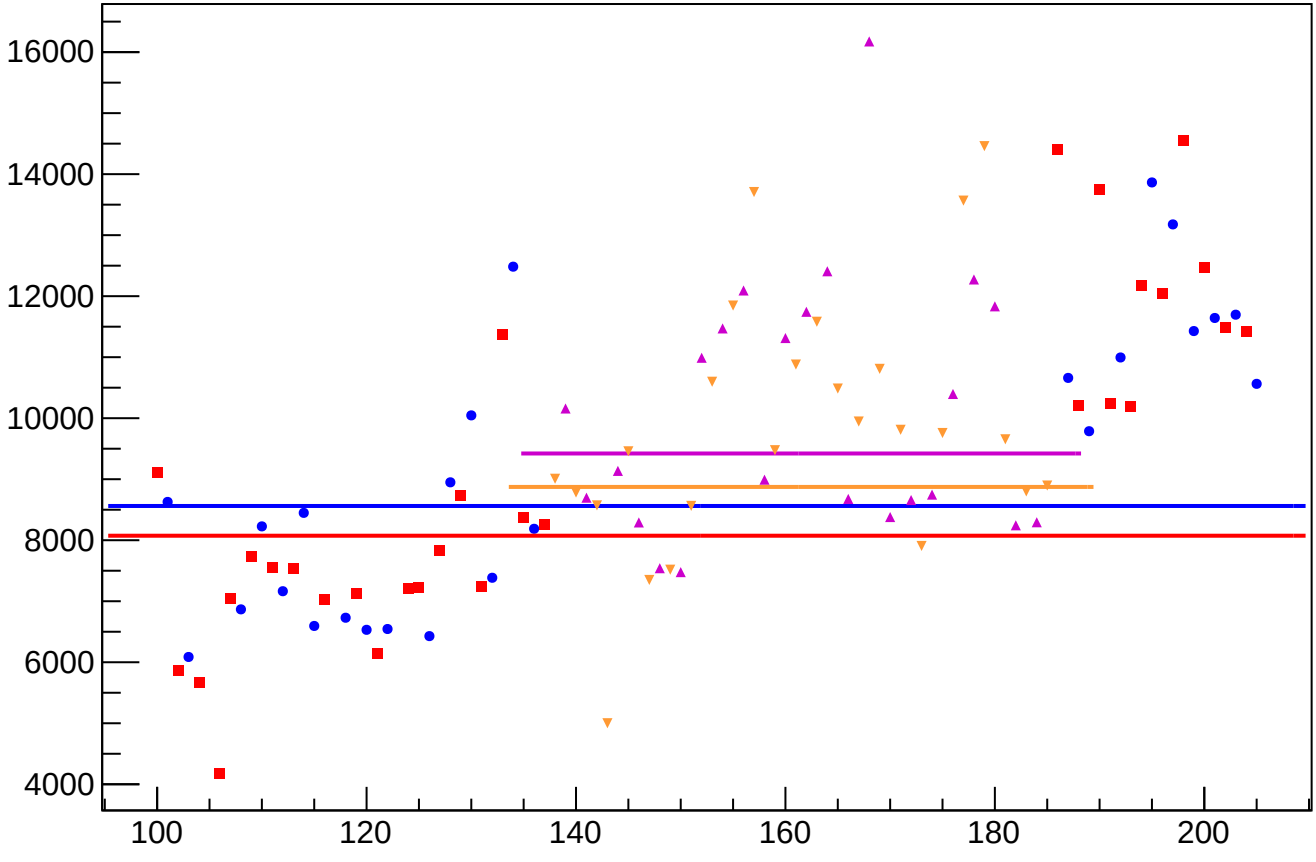
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

\+ sign -752.369+/-1565.253 χ^2/NDF: 55.8/49

All: 427.358+/-1104.202 χ^2/NDF: 101.7/102

\- sign 1596.068+/-1557.927 χ^2/NDF: 44.8/52

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8561.331+/-1.671 χ^2/NDF: 1746131.3/24

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8073.915+/-1.530 χ^2/NDF: 2860149.0/29

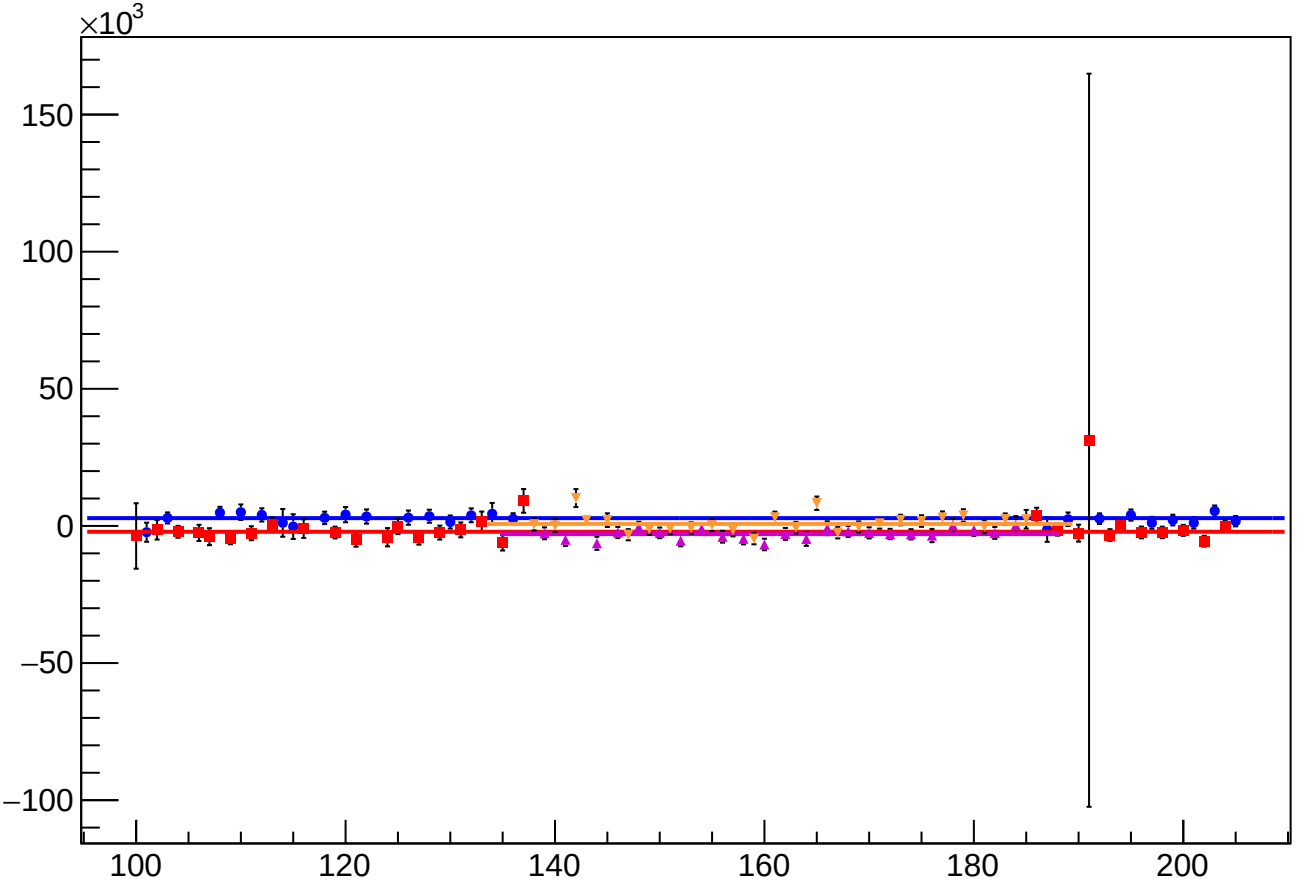
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8736.603+/-1.107 χ^2/NDF: 3968981.2/49

All: 8729.704+/-0.781 χ^2/NDF: 8407758.9/10

- sign 8722.870+/-1.102 χ^2/NDF: 4438700.3/52

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2842.448+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2125.652+/-466.798 χ^2/NDF: 25.7/29

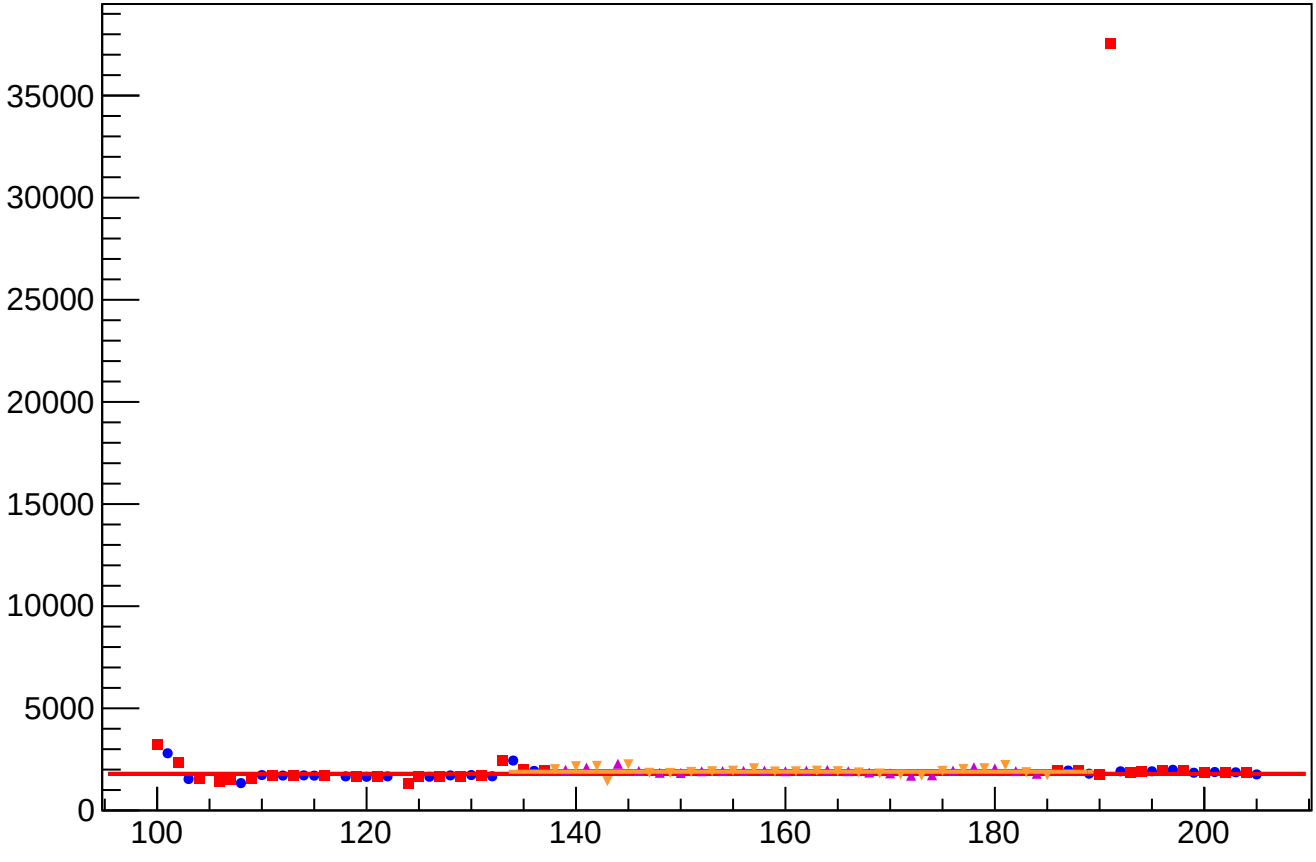
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1678.499+/-322.010 χ^2/NDF: 62.4/49

All: -430.900+/-228.430 χ^2/NDF: 191.8/102

- sign -2567.756+/-324.099 χ^2/NDF: 43.1/52

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1792.962+/-0.341 χ^2/NDF: 429426.0/24

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

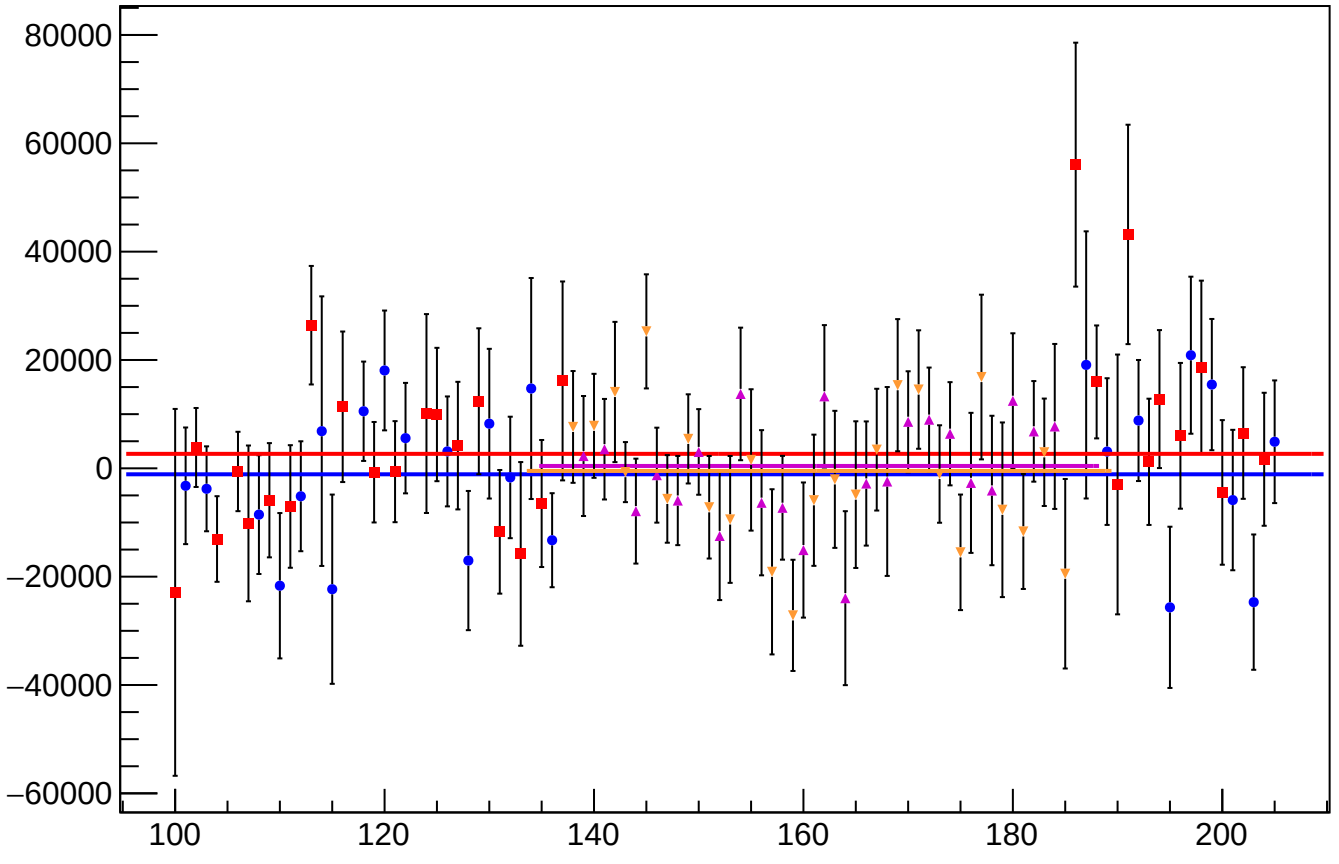
Right Out: 1789.305+/-0.330 χ^2/NDF: 537683.9/29

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1849.253+/-0.228 χ^2/NDF: 847350.9/49

All: 1853.877+/-0.162 χ^2/NDF: 1621894.1/10

- sign 1858.560+/-0.229 χ^2/NDF: 773713.1/52



Right In: -1101.688+/-2363.197 χ^2/NDF: 26.9/24

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 2672.653+/-2163.566 χ^2/NDF: 30.7/29

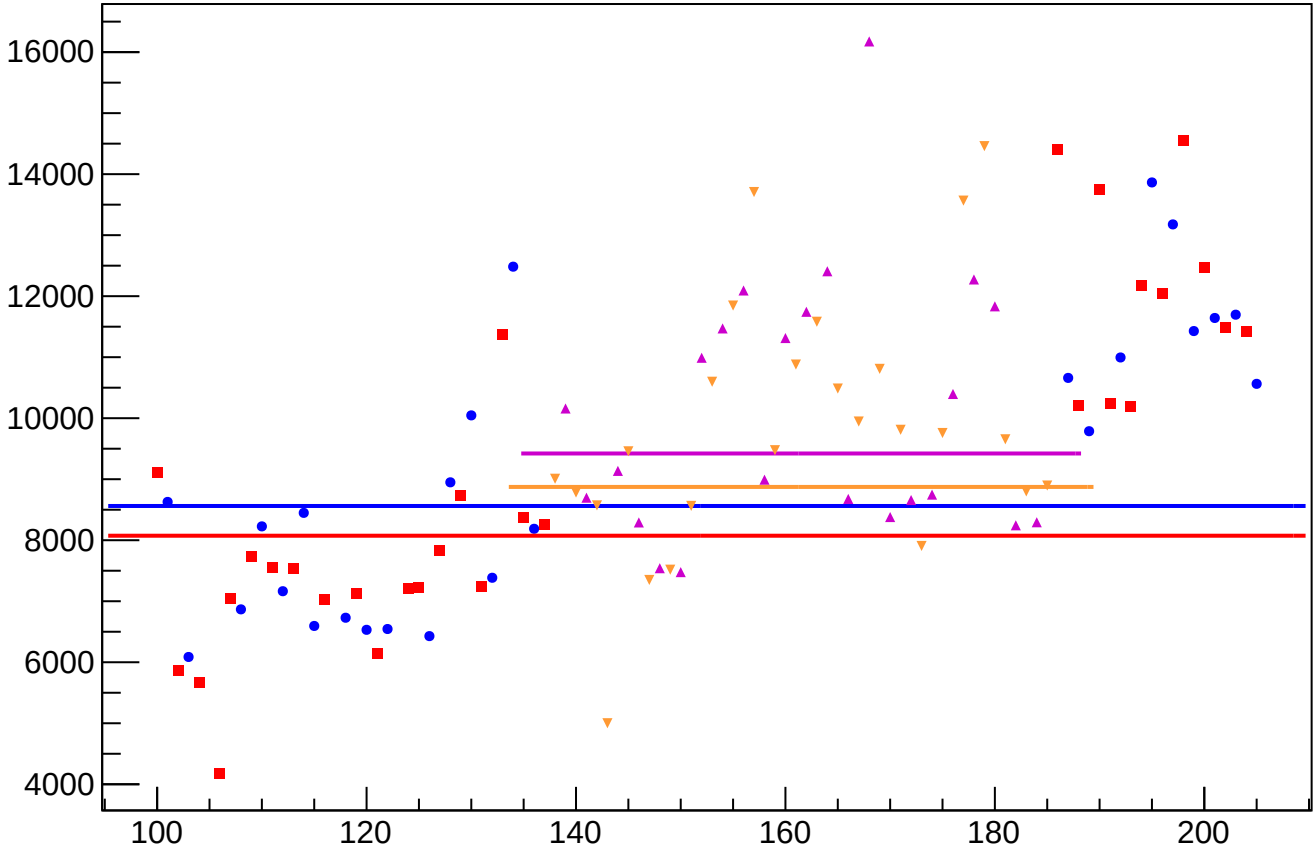
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

\+ sign -752.368+/-1565.254 χ^2/NDF: 55.8/49

All: 427.358+/-1104.202 χ^2/NDF: 101.7/102

\- sign 1596.065+/-1557.927 χ^2/NDF: 44.8/52

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8561.317+/-1.671 χ^2/NDF: 1746154.9/24

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8073.902+/-1.530 χ^2/NDF: 2860169.3/29

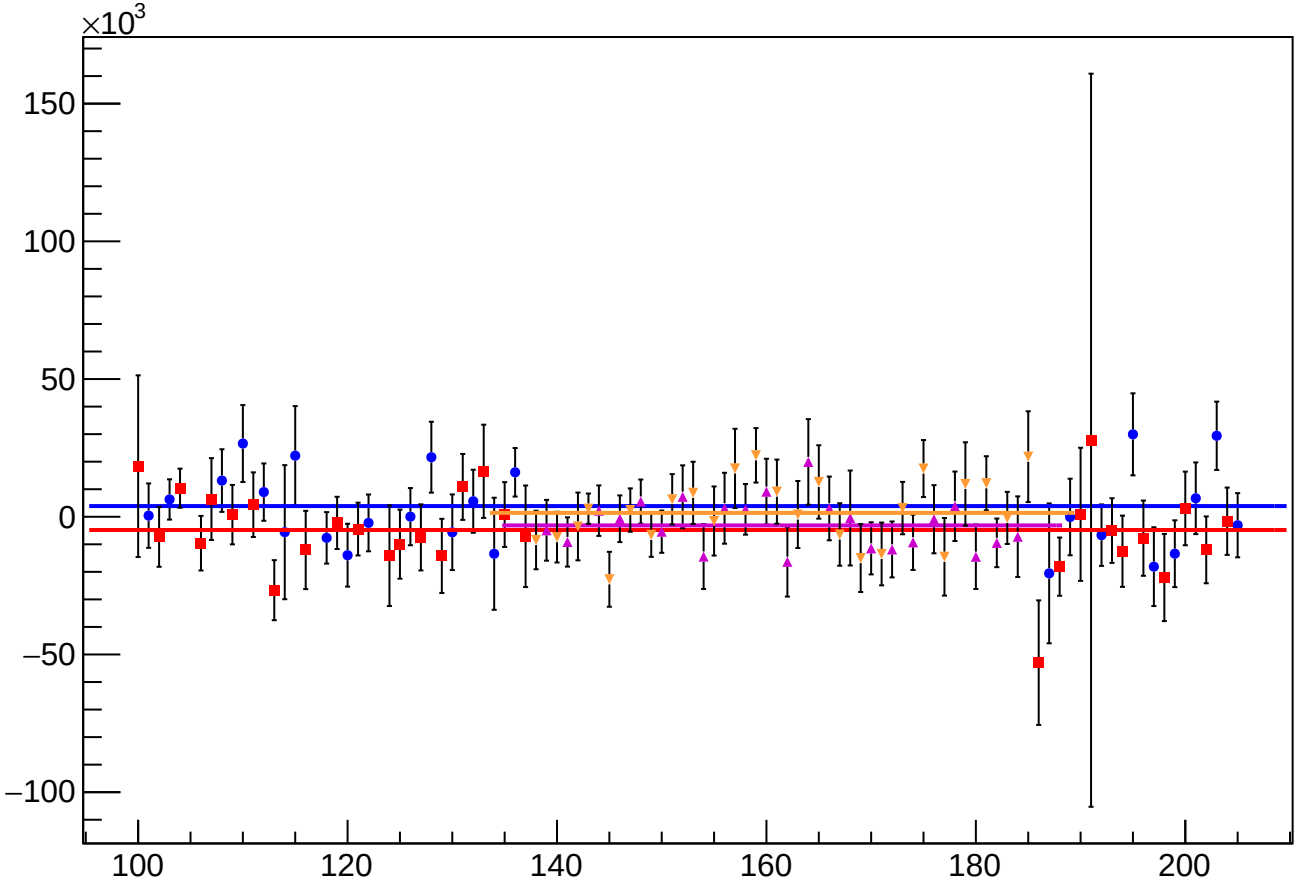
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8736.605+/-1.107 χ^2/NDF: 3969009.8/49

All: 8729.705+/-0.781 χ^2/NDF: 8407826.5/10

- sign 8722.869+/-1.102 χ^2/NDF: 4438739.4/52

asym_at2_avg_mean vs Slug



Right In: 3881.101+/-2385.850 χ^2/NDF: 28.4/24

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4805.008+/-2282.272 χ^2/NDF: 24.3/29

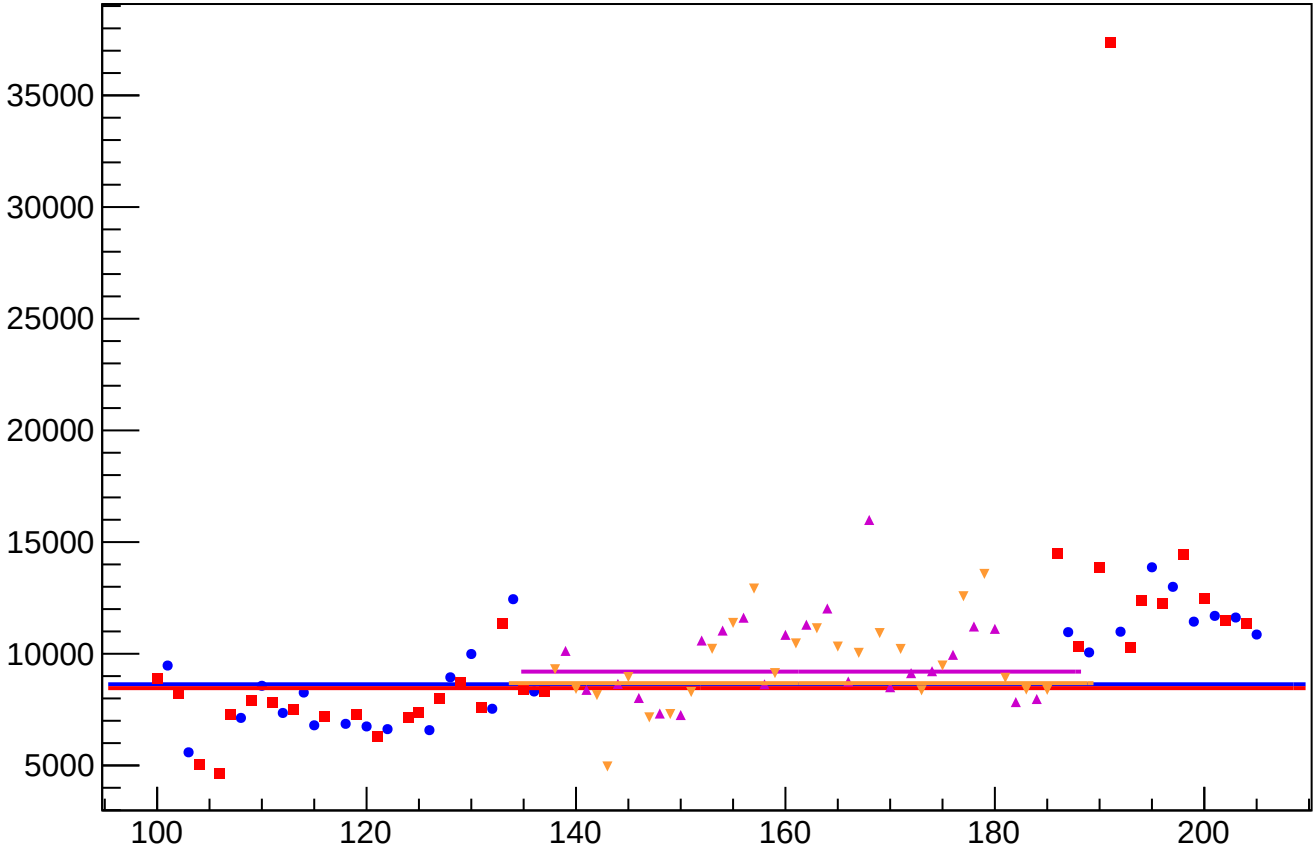
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2452.595+/-1550.452 χ^2/NDF: 56.5/49

All: -682.229+/-1106.626 χ^2/NDF: 102.3/102

- sign -3937.580+/-1579.976 χ^2/NDF: 37.5/52

asym_at2_avg_rms vs Slug



Right In: 8633.347+/-1.687 χ^2/NDF: 1804297.0/24

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8460.606+/-1.614 χ^2/NDF: 2534081.3/29

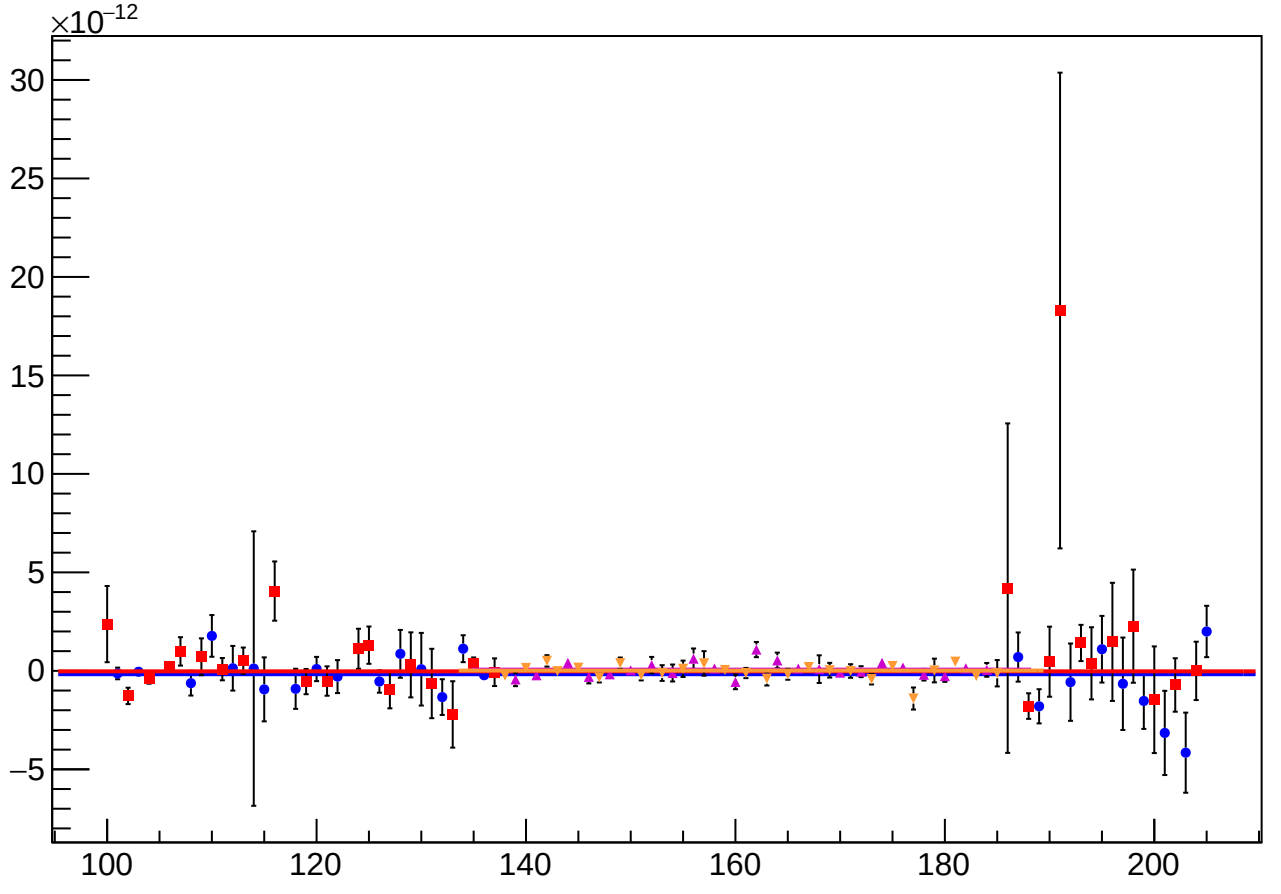
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8662.926+/-1.096 χ^2/NDF: 3856451.4/49

All: 8752.756+/-0.782 χ^2/NDF: 7643194.4/10

- sign 8846.035+/-1.117 χ^2/NDF: 3773057.9/52

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.8/29

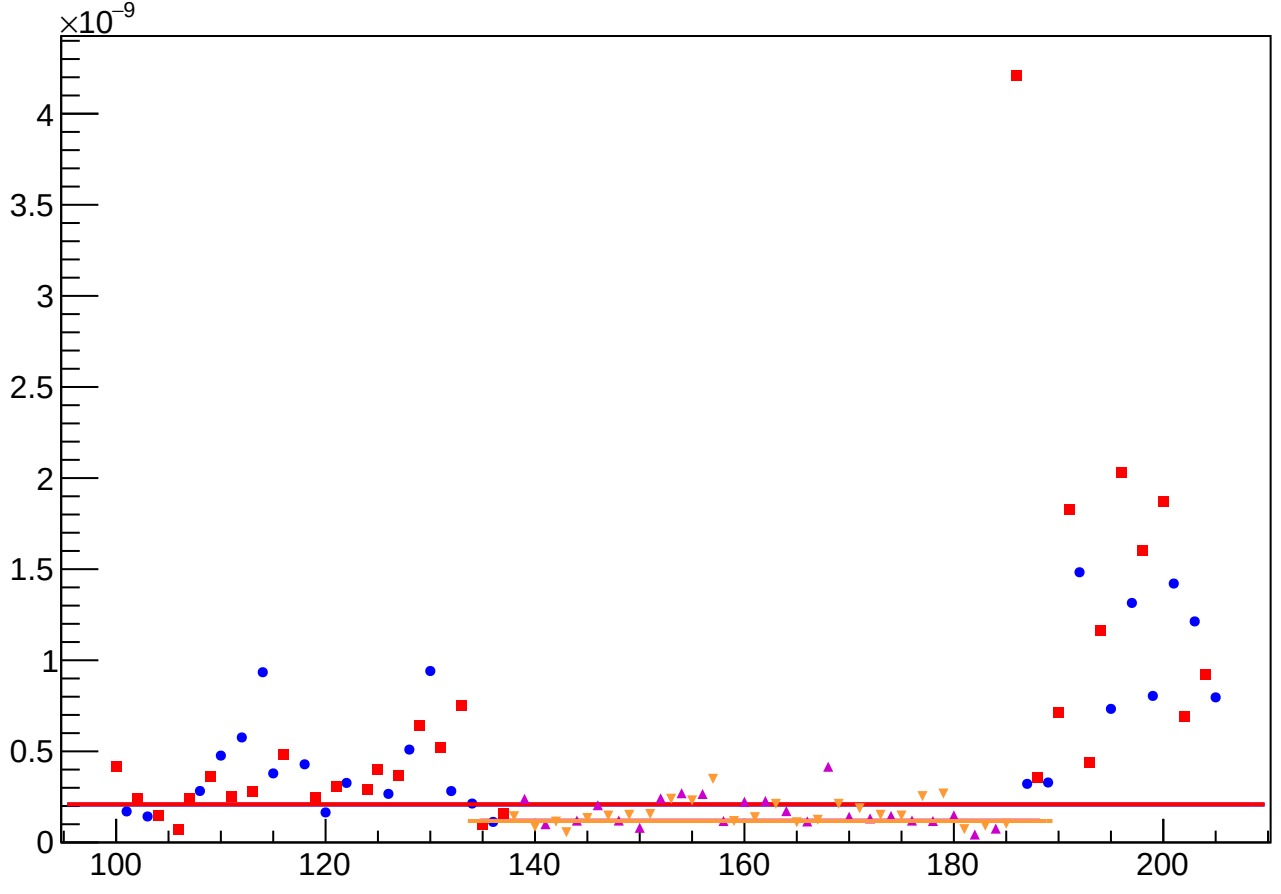
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/49

All: 0.000+/-0.000 χ^2/NDF: 132.6/102

- sign 0.000+/-0.000 χ^2/NDF: 75.0/52

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5089388.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5908840.0/29

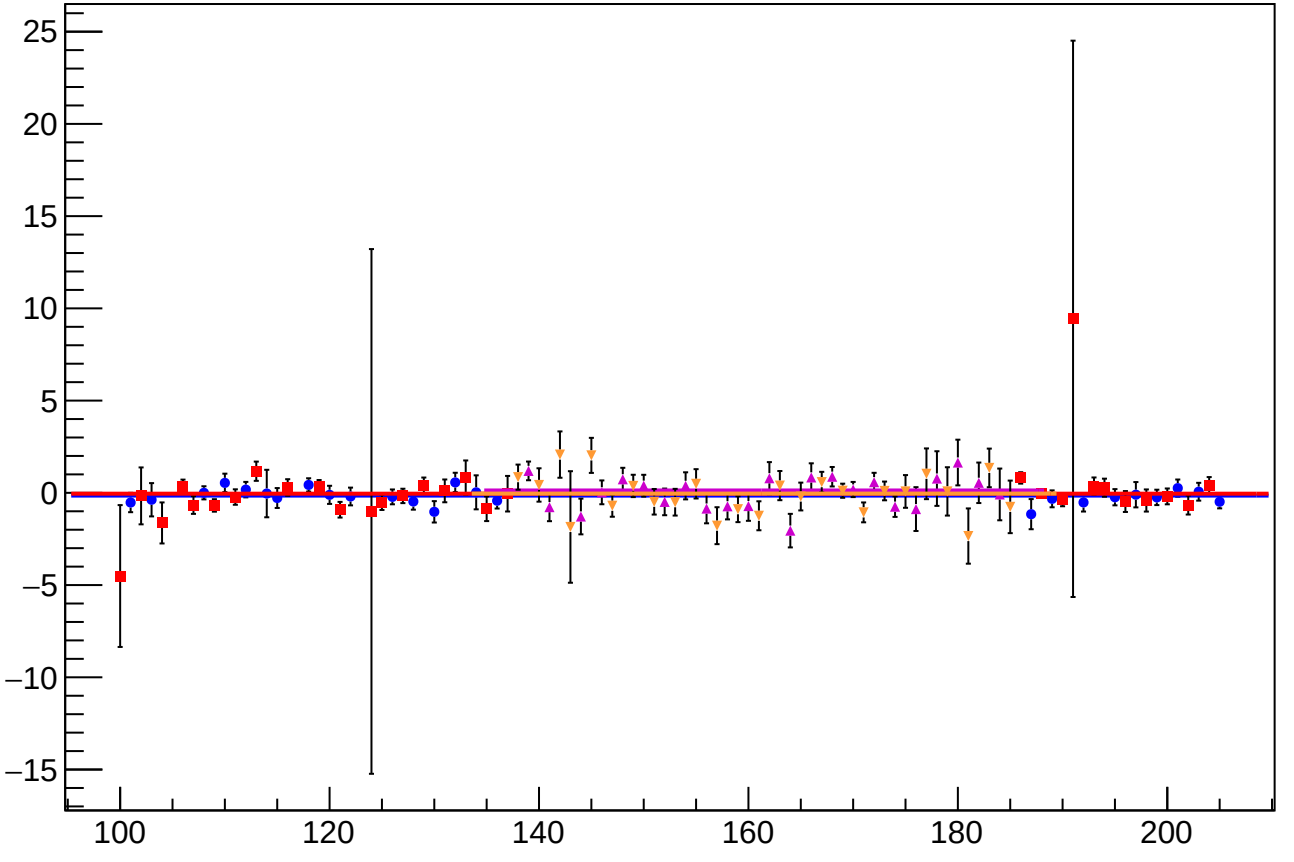
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8444946.5/49

All: 0.000+/-0.000 χ^2/NDF: 17985456.5/102

- sign 0.000+/-0.000 χ^2/NDF: 9535854.6/52

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

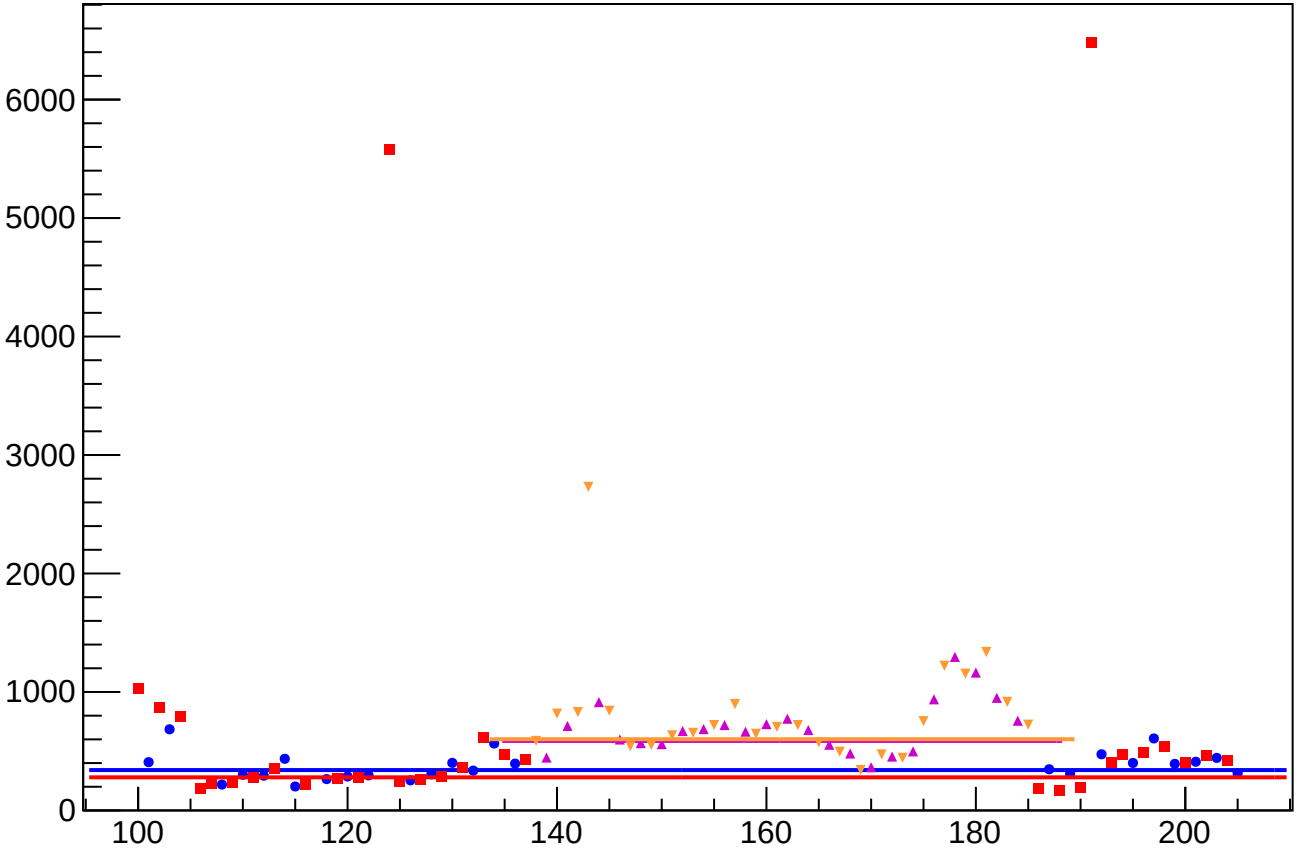
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.053+/-0.053 χ^2/NDF: 116.4/102

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

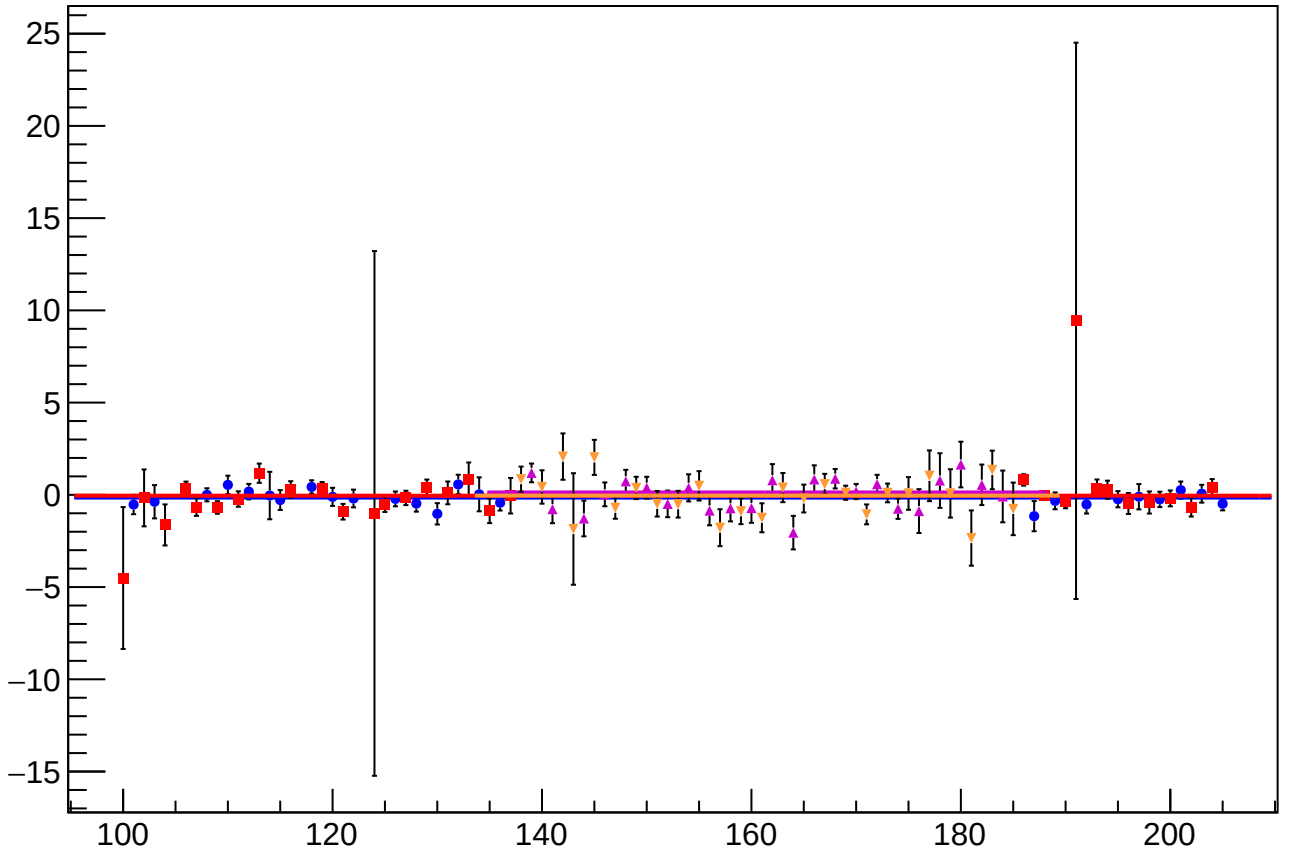
Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 418.833+/-0.057 χ^2/NDF: 10649628.3/49

All: 381.699+/-0.038 χ^2/NDF: 26130519.4/10

- sign 352.984+/-0.050 χ^2/NDF: 14730724.6/52



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

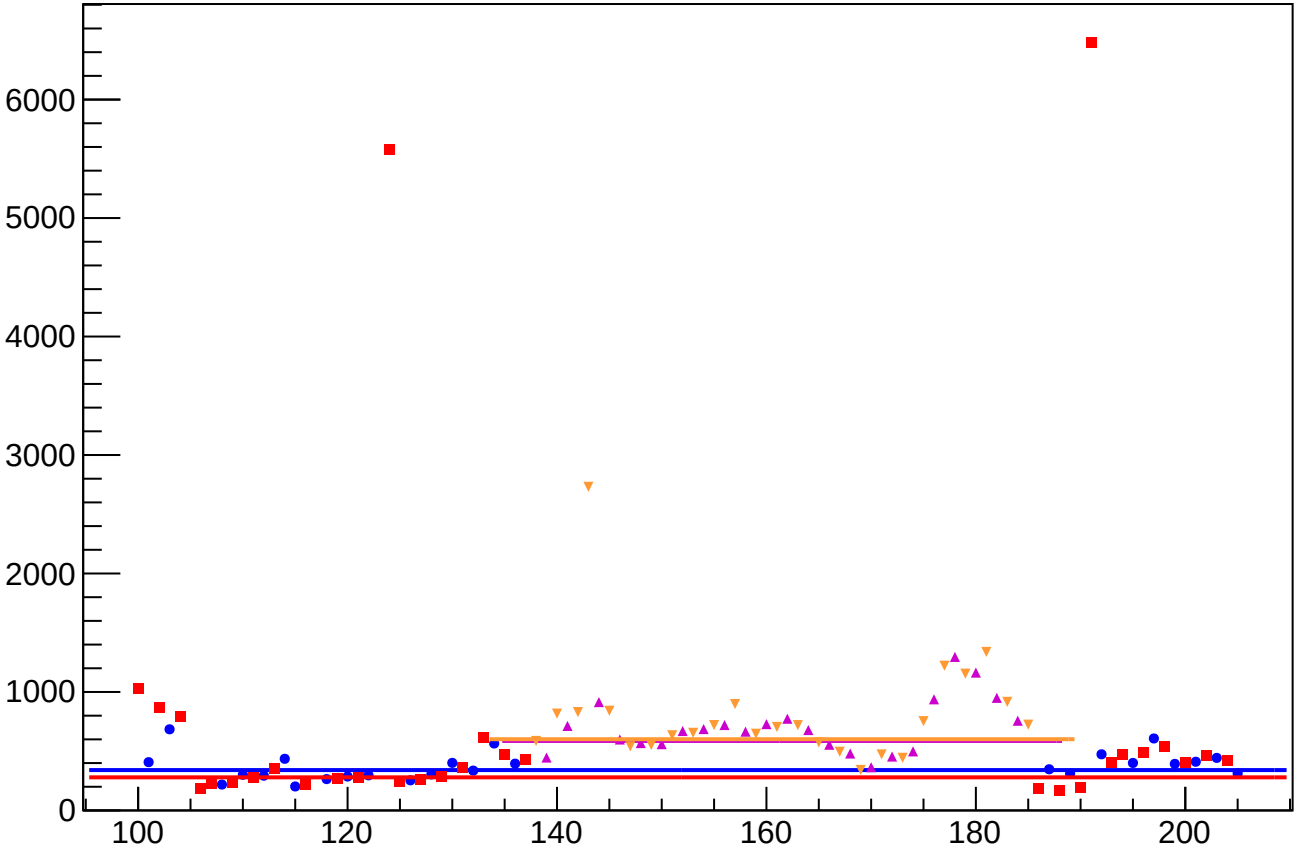
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.053+/-0.053 χ^2/NDF: 116.4/102

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

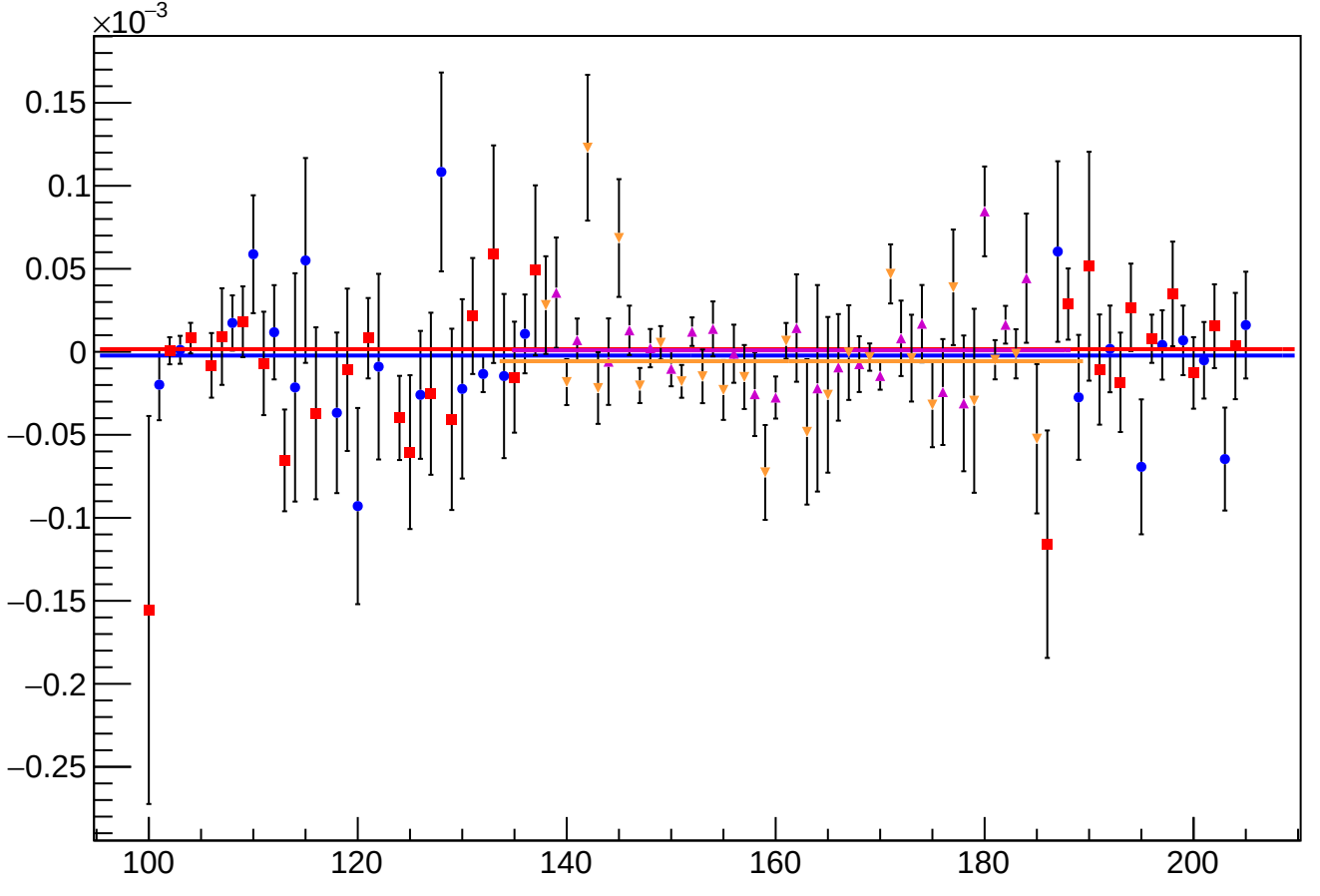
Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 418.833+/-0.057 χ^2/NDF: 10649628.3/49

All: 381.699+/-0.038 χ^2/NDF: 26130519.4/10

- sign 352.984+/-0.050 χ^2/NDF: 14730724.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/29

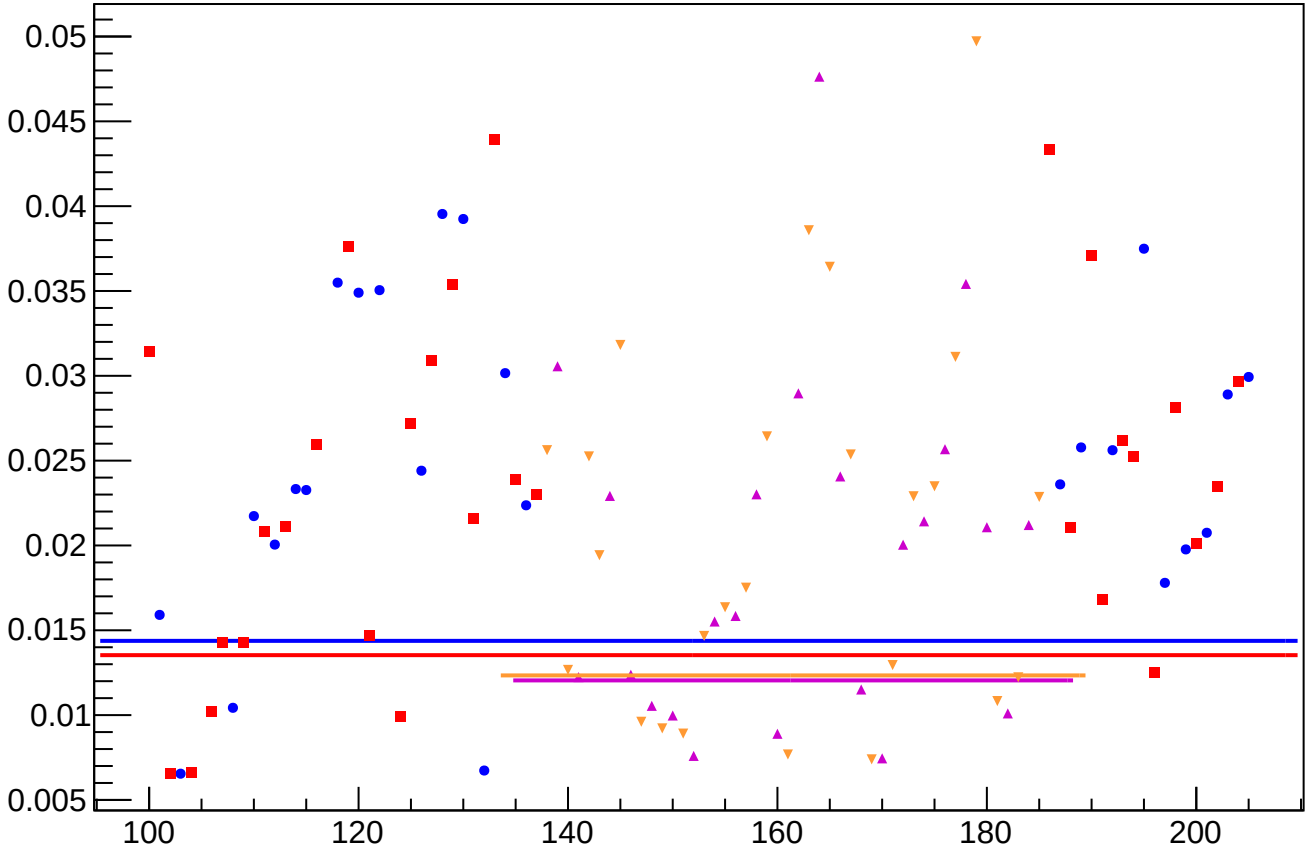
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.7/49

All: -0.000+/-0.000 χ^2/NDF: 124.3/102

- sign 0.000+/-0.000 χ^2/NDF: 55.2/52

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 7815674.3/24

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8194126.3/29

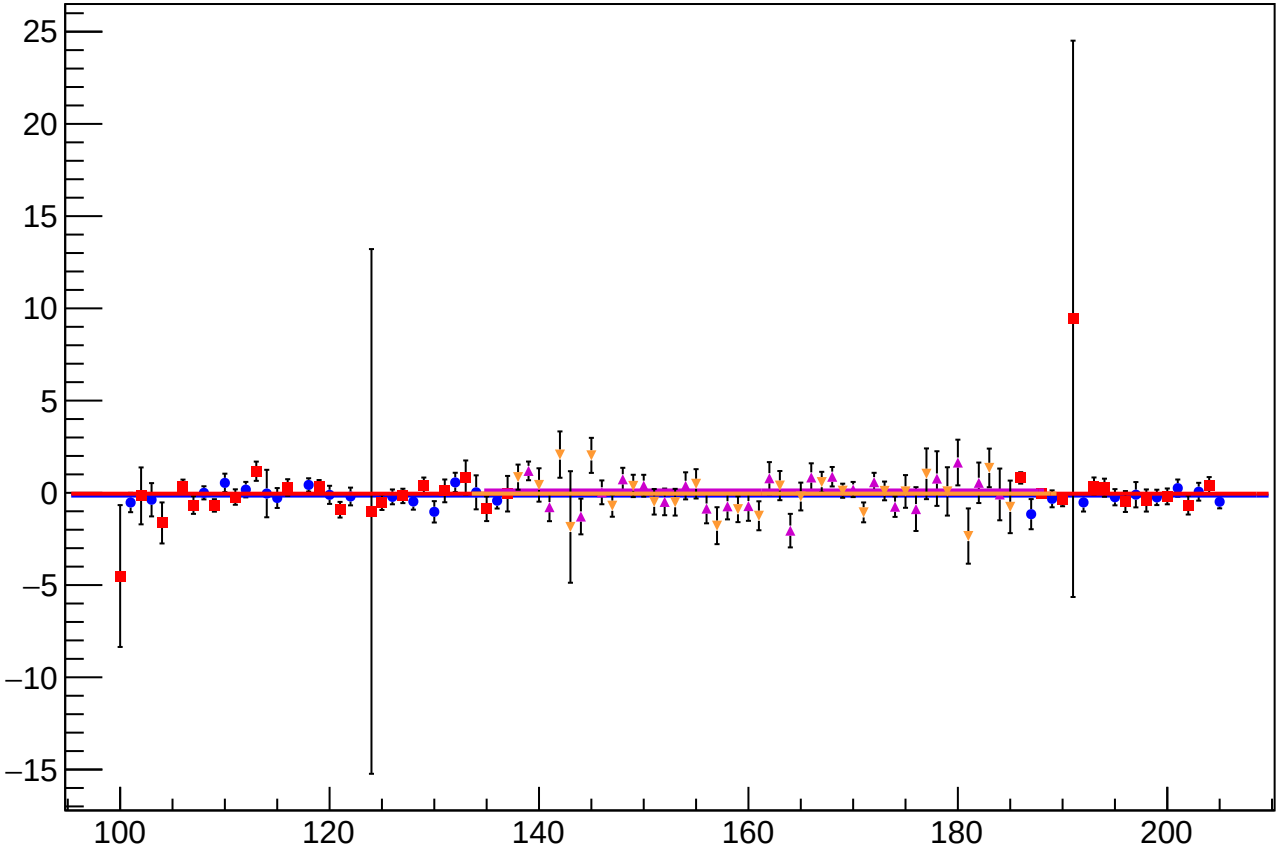
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 15915002.9/49

All: 0.013+/-0.000 χ^2/NDF: 30670995.9/102

- sign 0.013+/-0.000 χ^2/NDF: 14733718.8/52

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

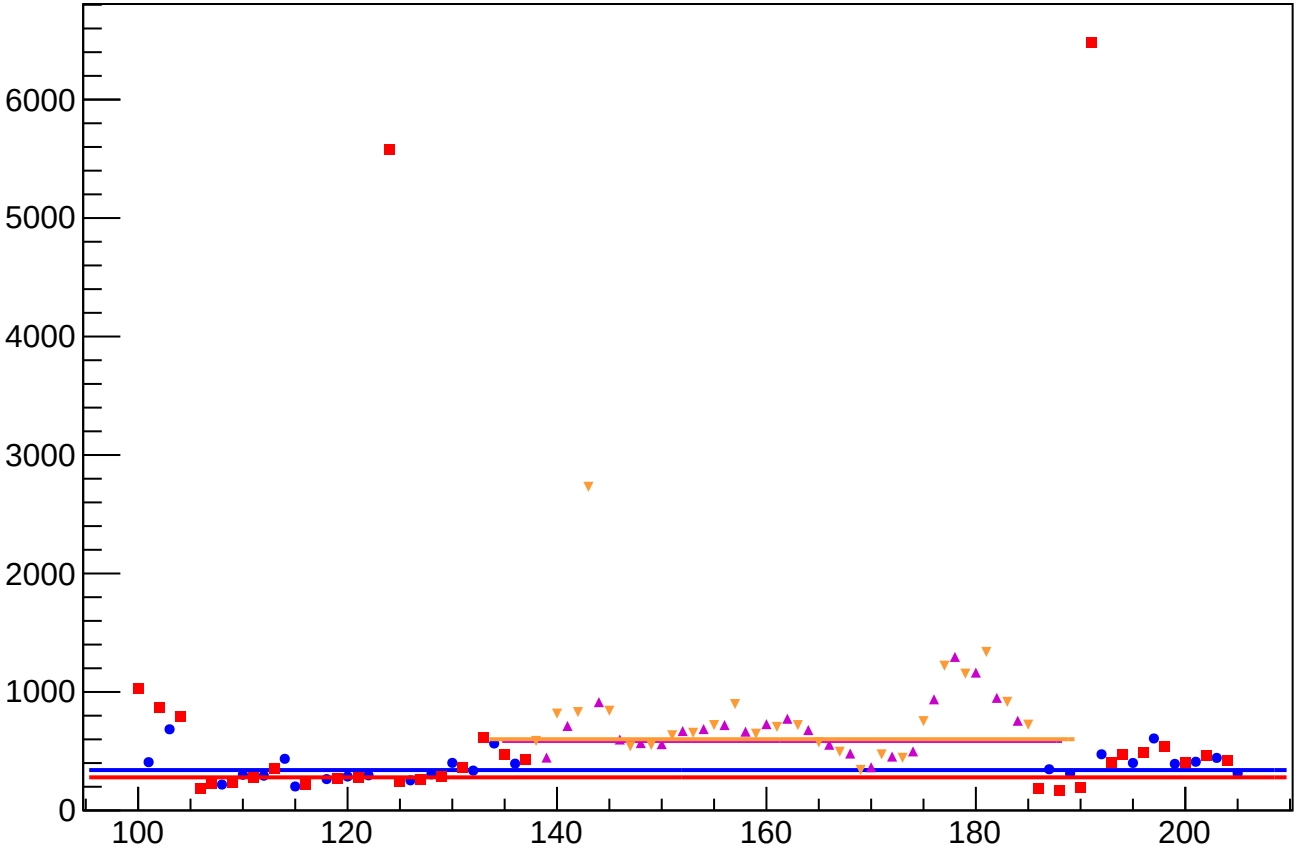
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.053+/-0.053 χ^2/NDF: 116.4/102

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

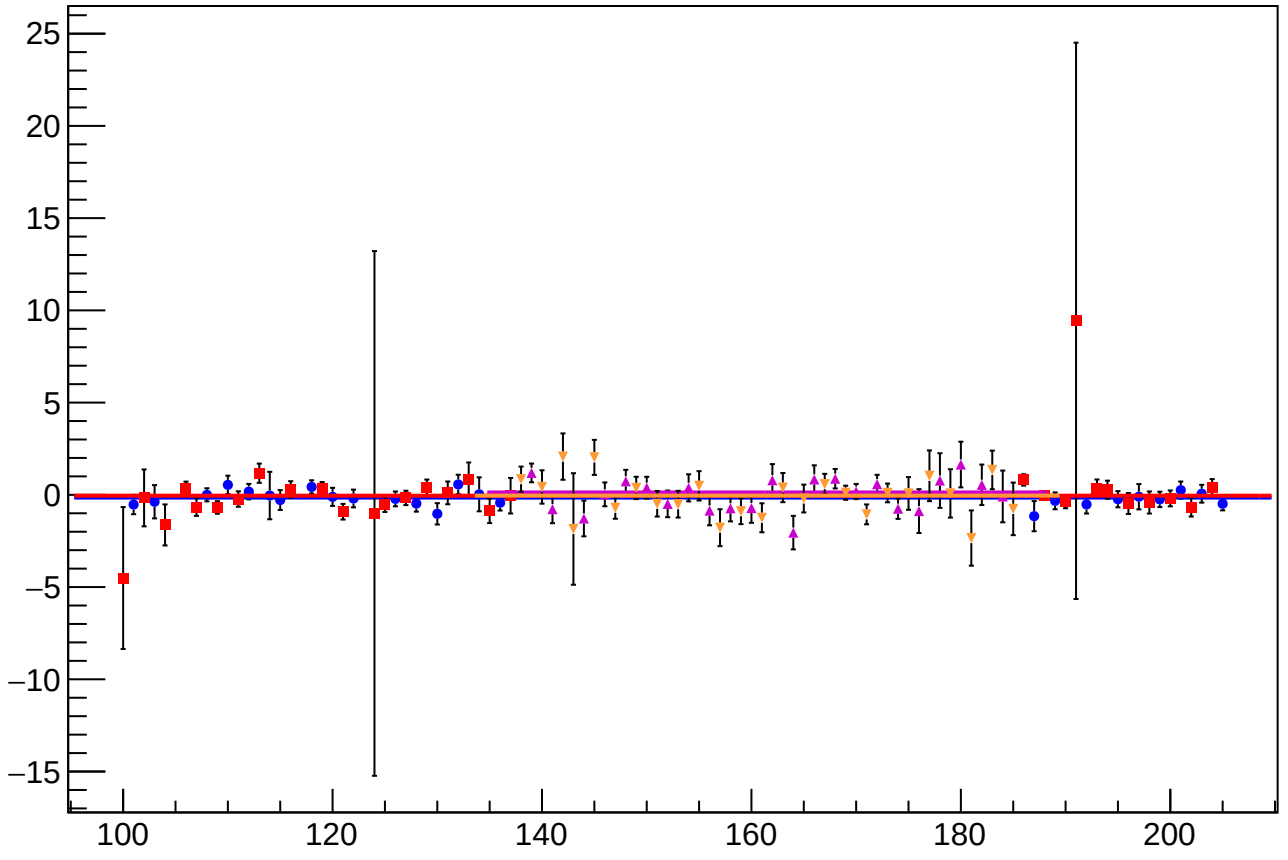
Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 418.831+/-0.057 χ^2/NDF: 10649872.5/49

All: 381.694+/-0.038 χ^2/NDF: 26131759.9/10

- sign 352.977+/-0.050 χ^2/NDF: 14731588.5/52



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

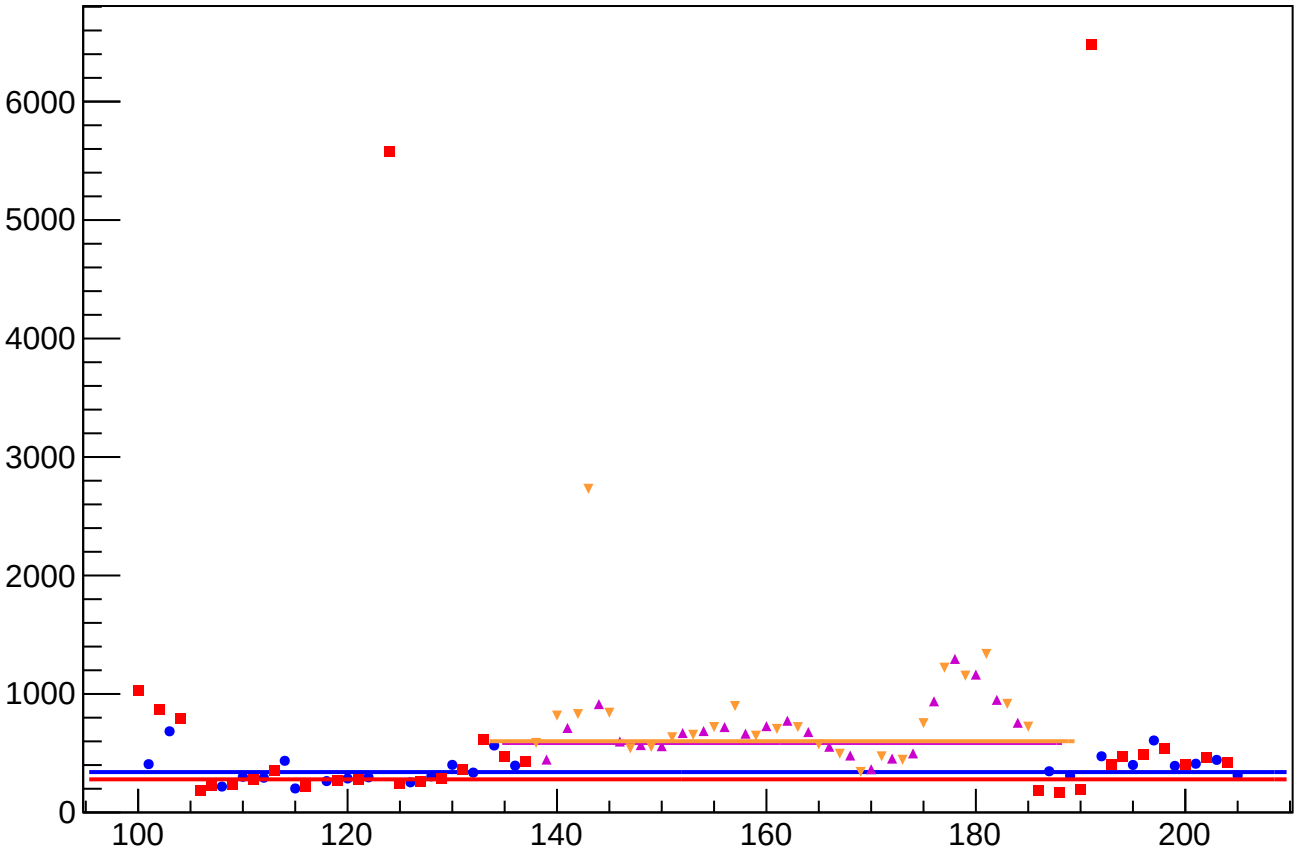
Right Out: -0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.053+/-0.053 χ^2/NDF: 116.4/102

- sign -0.005+/-0.071 χ^2/NDF: 69.6/52



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

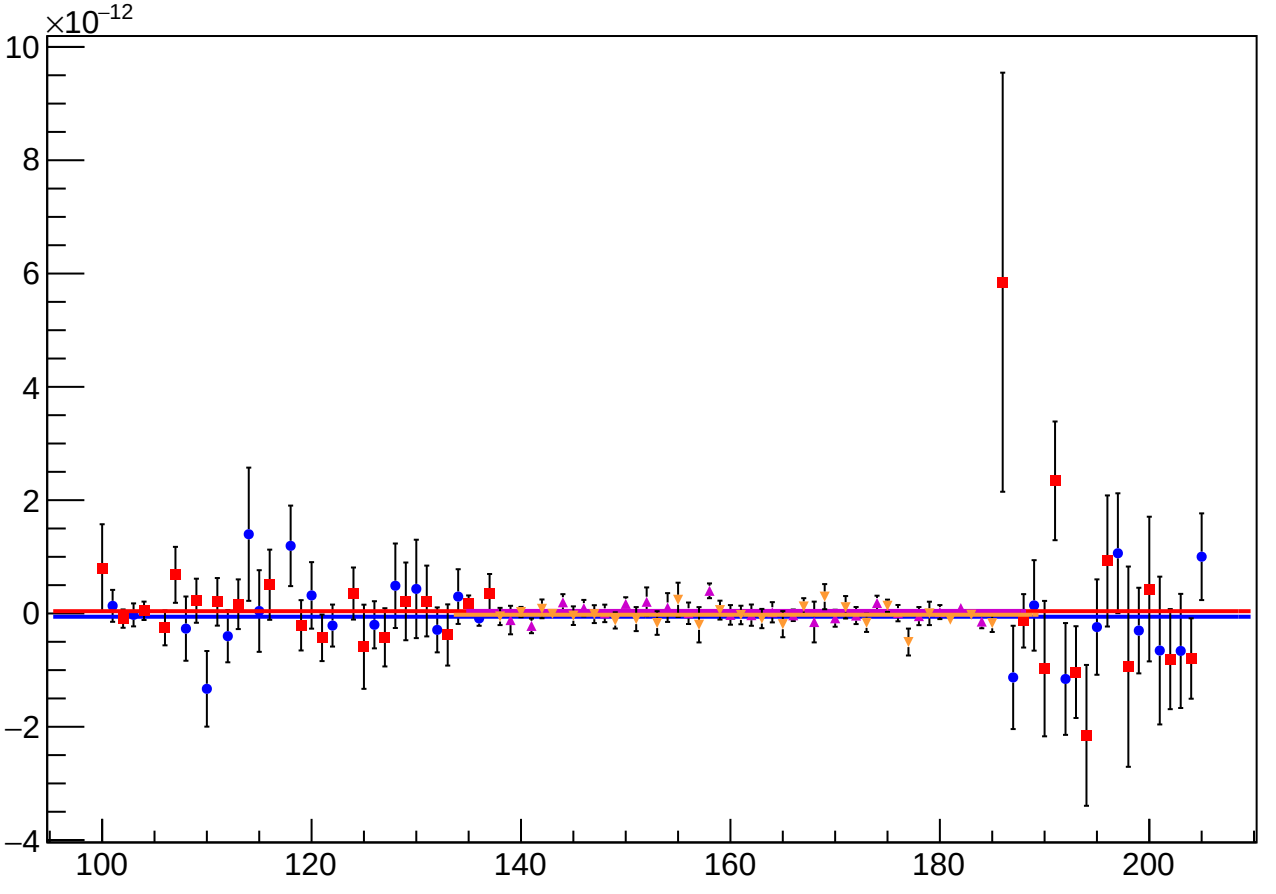
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 418.831+/-0.057 χ^2/NDF: 10649872.5/49

All: 381.694+/-0.038 χ^2/NDF: 26131759.9/10

- sign 352.977+/-0.050 χ^2/NDF: 14731588.5/52

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/29

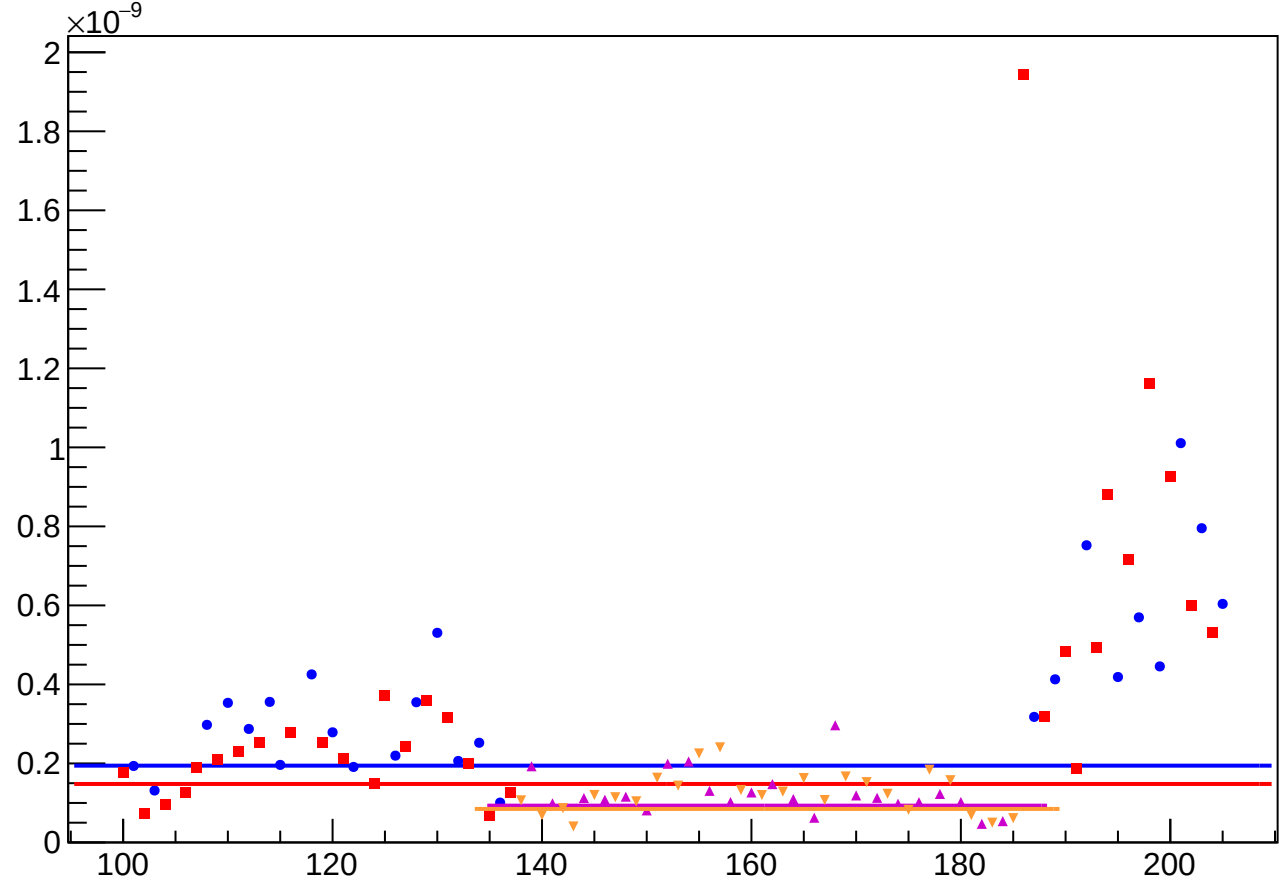
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.9/49

All: 0.000+/-0.000 χ^2/NDF: 88.5/102

- sign 0.000+/-0.000 χ^2/NDF: 49.8/52

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5712016.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7368005.1/29

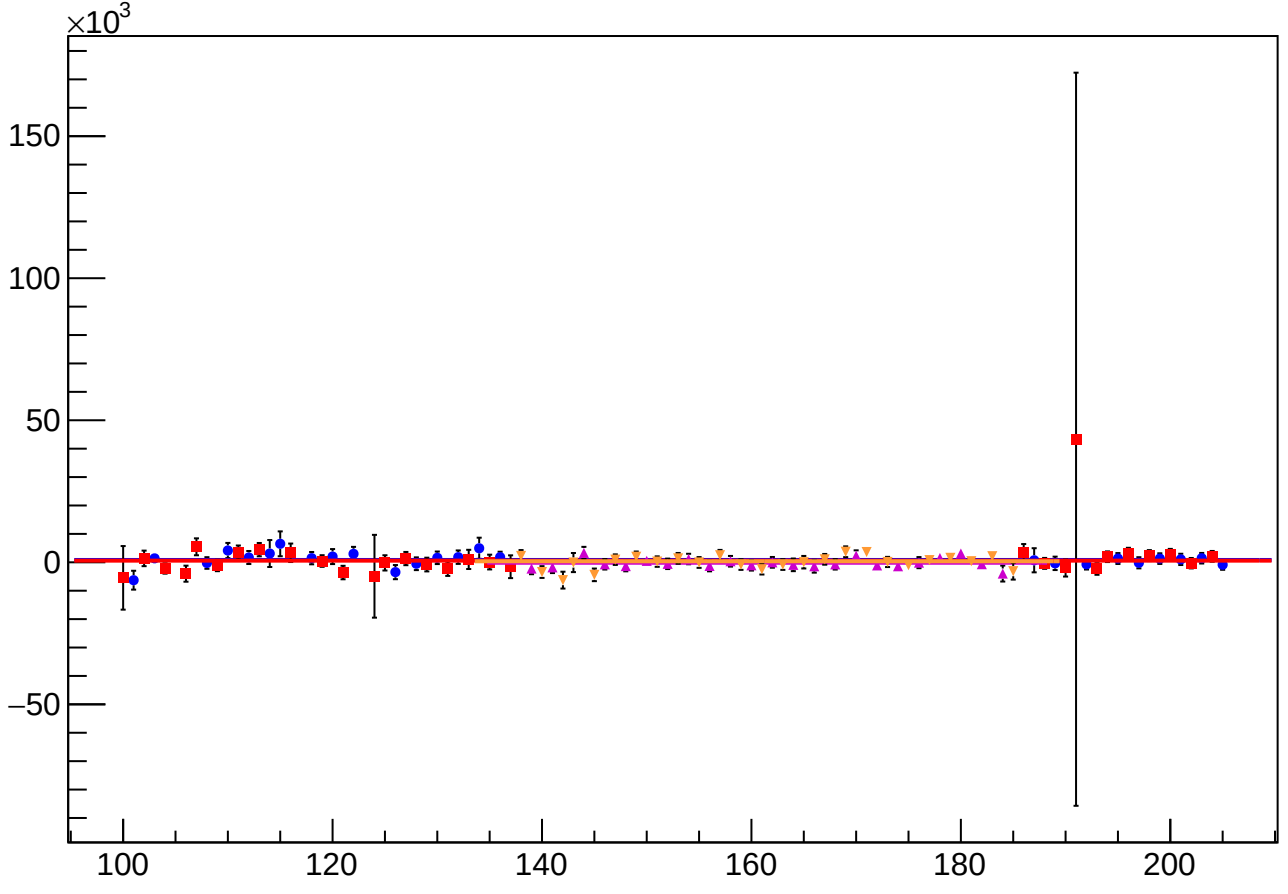
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14381168.2/49

All: 0.000+/-0.000 χ^2/NDF: 26791824.9/102

- sign 0.000+/-0.000 χ^2/NDF: 12351201.2/52

reg_asym_at2_dd_mean vs Slug



Right In: 817.687+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.645+/-440.739 χ^2/NDF: 28.6/29

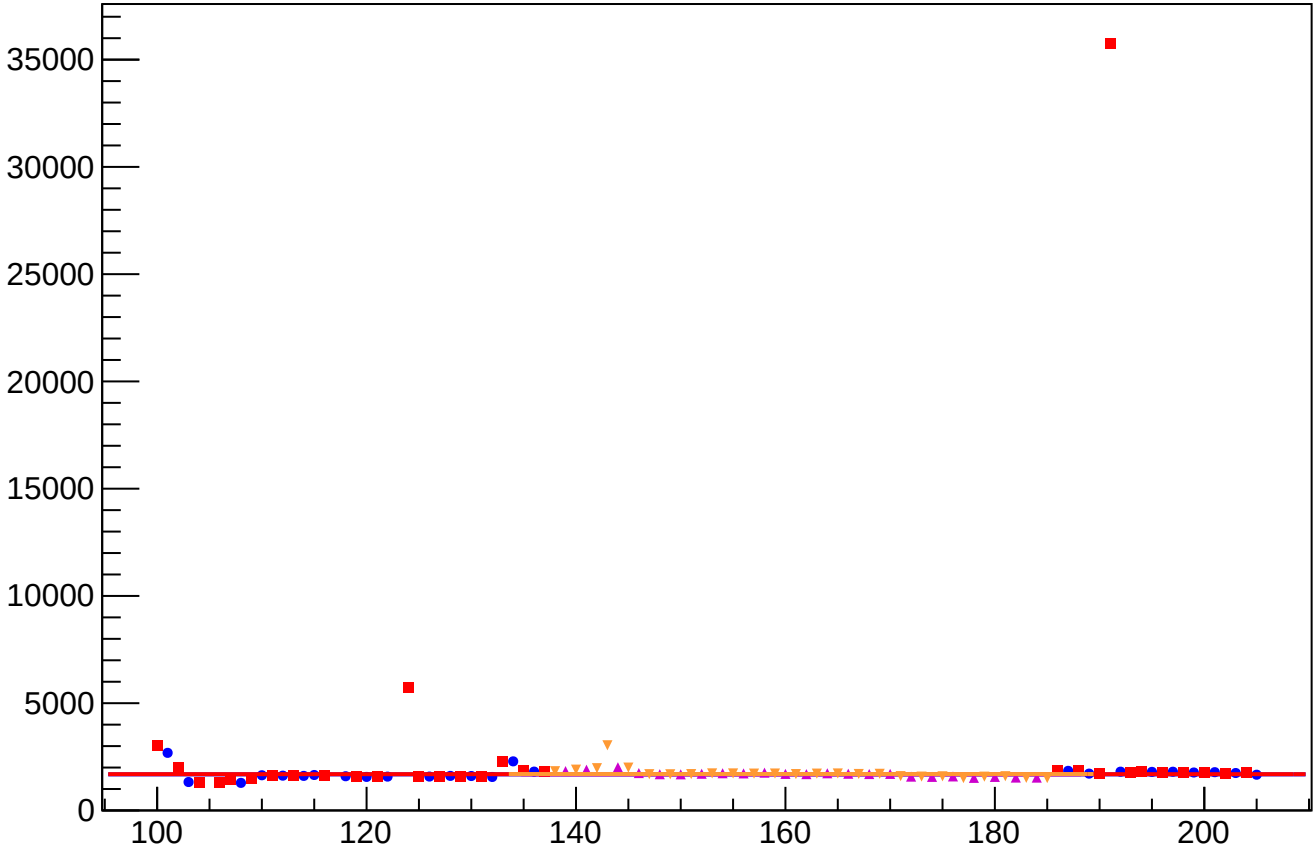
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 555.276+/-294.420 χ^2/NDF: 47.2/49

All: 363.590+/-207.983 χ^2/NDF: 94.3/102

- sign 172.649+/-293.846 χ^2/NDF: 46.2/52

reg_asym_at2_dd_rms vs Slug



Right In: 1681.164+/-0.319 χ^2/NDF: 469832.6/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

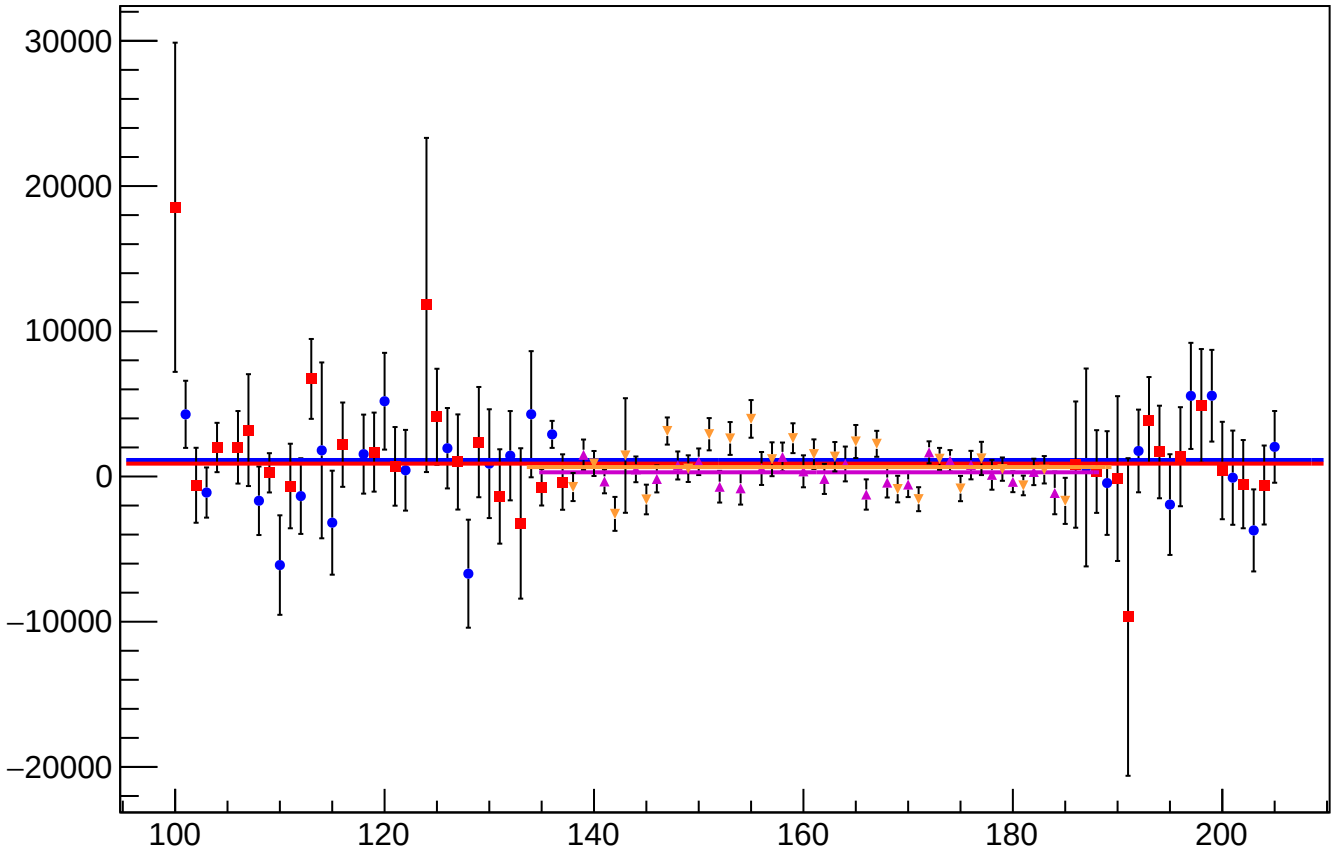
Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.1/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1690.561+/-0.208 χ^2/NDF: 966733.9/49

All: 1689.016+/-0.147 χ^2/NDF: 1803271.2/10

- sign 1687.477+/-0.208 χ^2/NDF: 836427.3/52



Right In: 1136.812+/-509.758 χ^2/NDF: 29.7/24

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 885.120+/-492.135 χ^2/NDF: 17.9/29

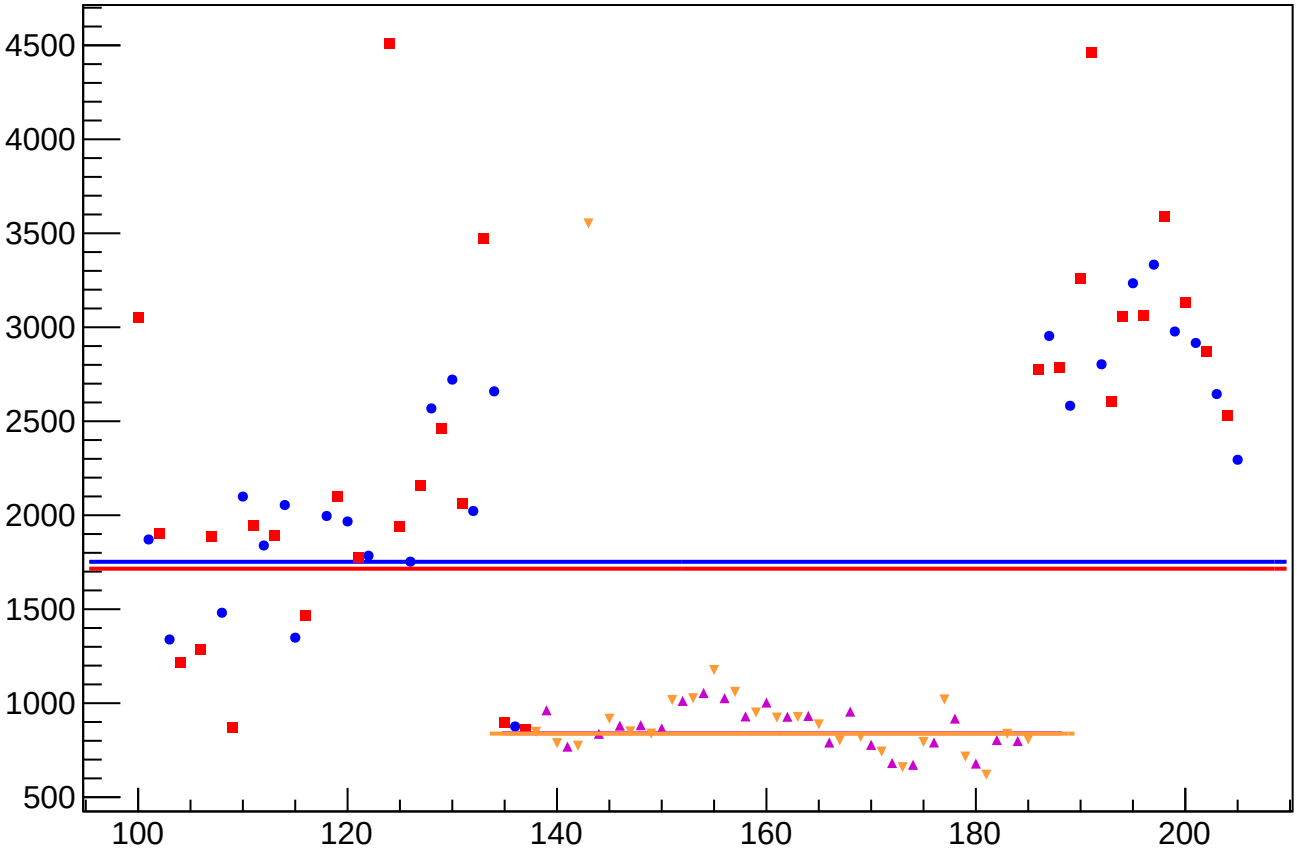
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 711.788+/-182.675 χ^2/NDF: 96.0/49

All: 543.238+/-129.666 χ^2/NDF: 133.4/102

\- sign 372.076+/-184.085 χ^2/NDF: 35.7/52

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1752.300+/-0.360 χ^2/NDF: 4367482.4/24

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1715.558+/-0.348 χ^2/NDF: 5679378.0/29

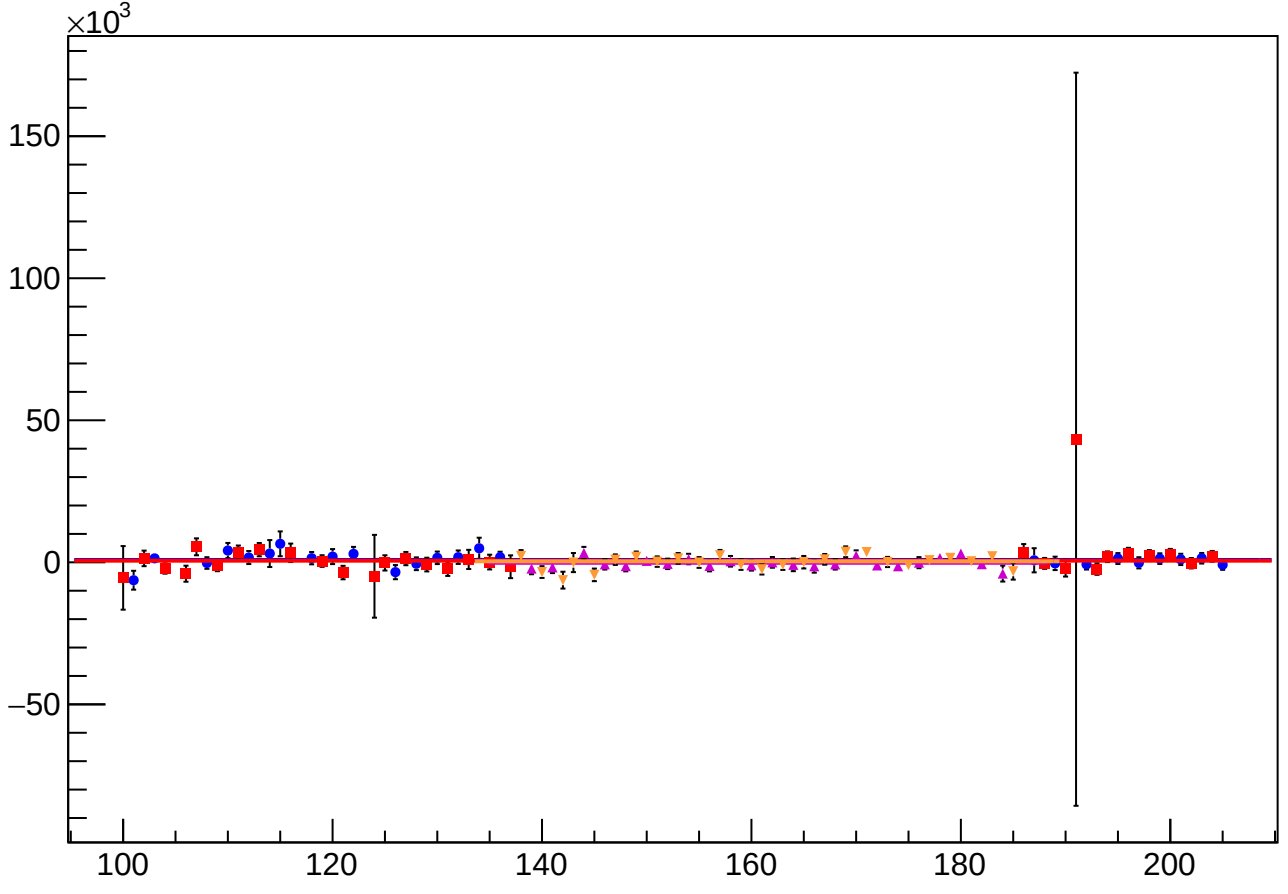
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 955.625+/-0.129 χ^2/NDF: 11772485.7/49

All: 959.028+/-0.092 χ^2/NDF: 23567588.7/10

- sign 962.484+/-0.130 χ^2/NDF: 11793704.1/52

cor_asym_at2_dd_mean vs Slug



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.817+/-440.739 χ^2/NDF: 28.6/29

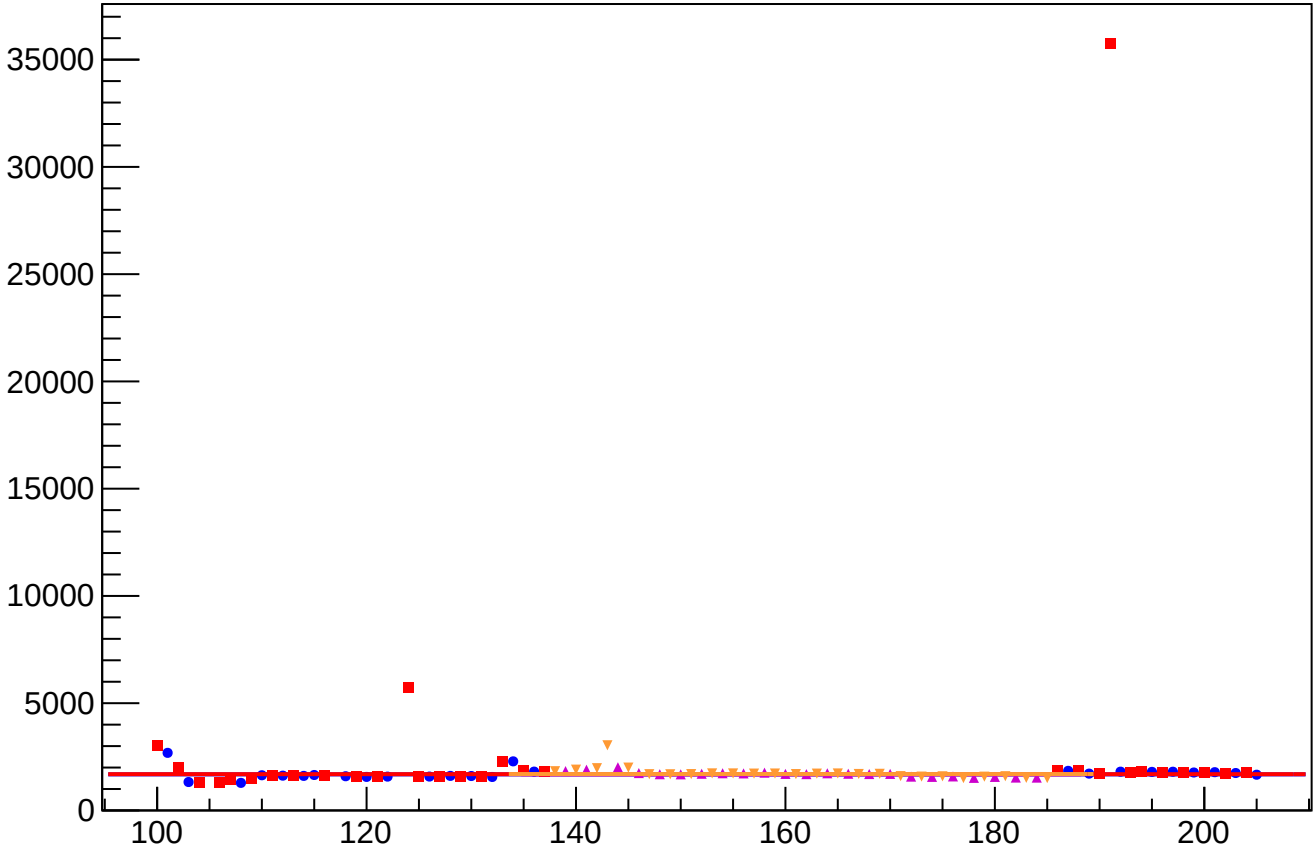
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 555.243+/-294.420 χ^2/NDF: 47.3/49

All: 363.638+/-207.983 χ^2/NDF: 94.3/102

- sign 172.778+/-293.846 χ^2/NDF: 46.2/52

cor_asym_at2_dd_rms vs Slug



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

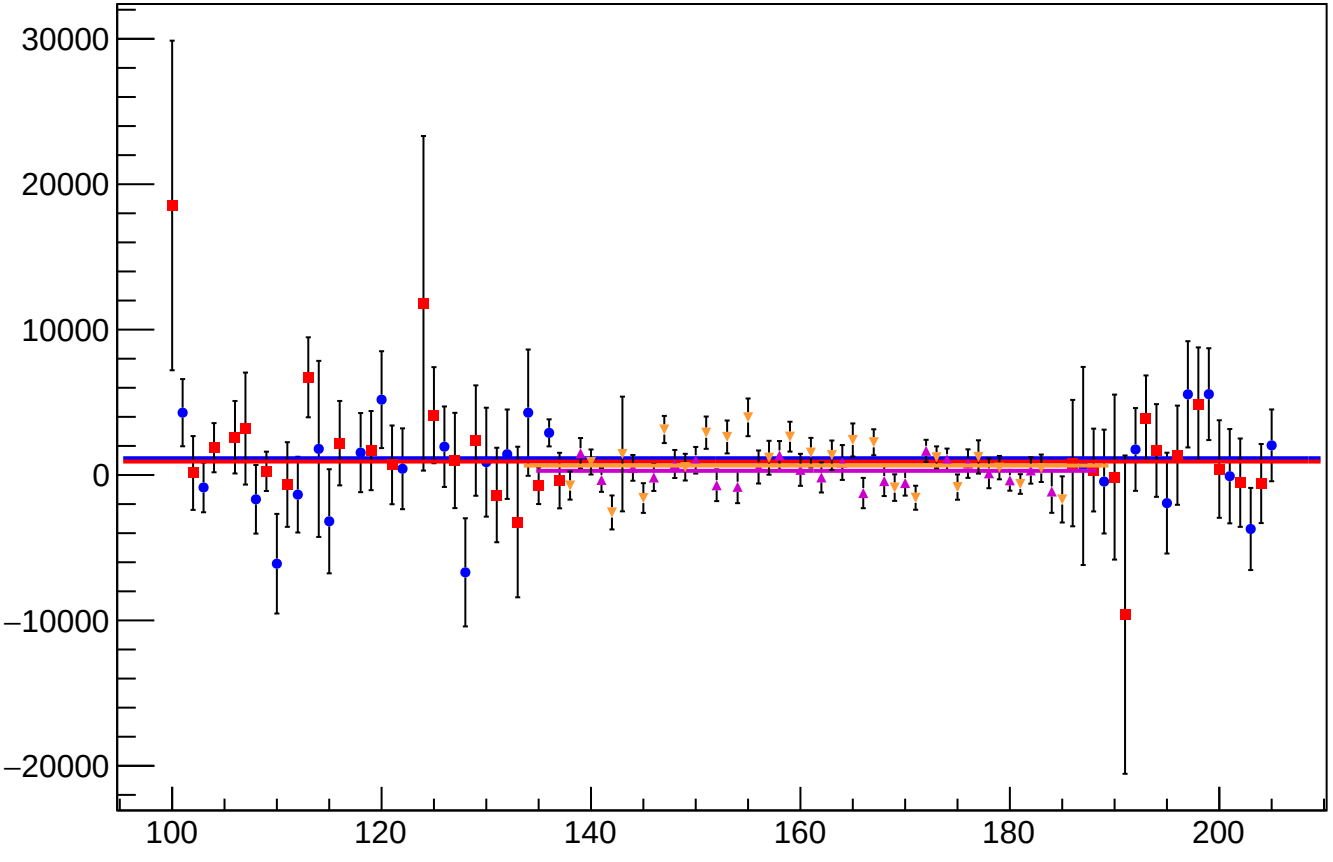
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1690.561+/-0.208 χ^2/NDF: 966734.3/49

All: 1689.016+/-0.147 χ^2/NDF: 1803271.6/10

- sign 1687.477+/-0.208 χ^2/NDF: 836427.4/52

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 925.472+/-491.604 χ^2/NDF: 17.8/29

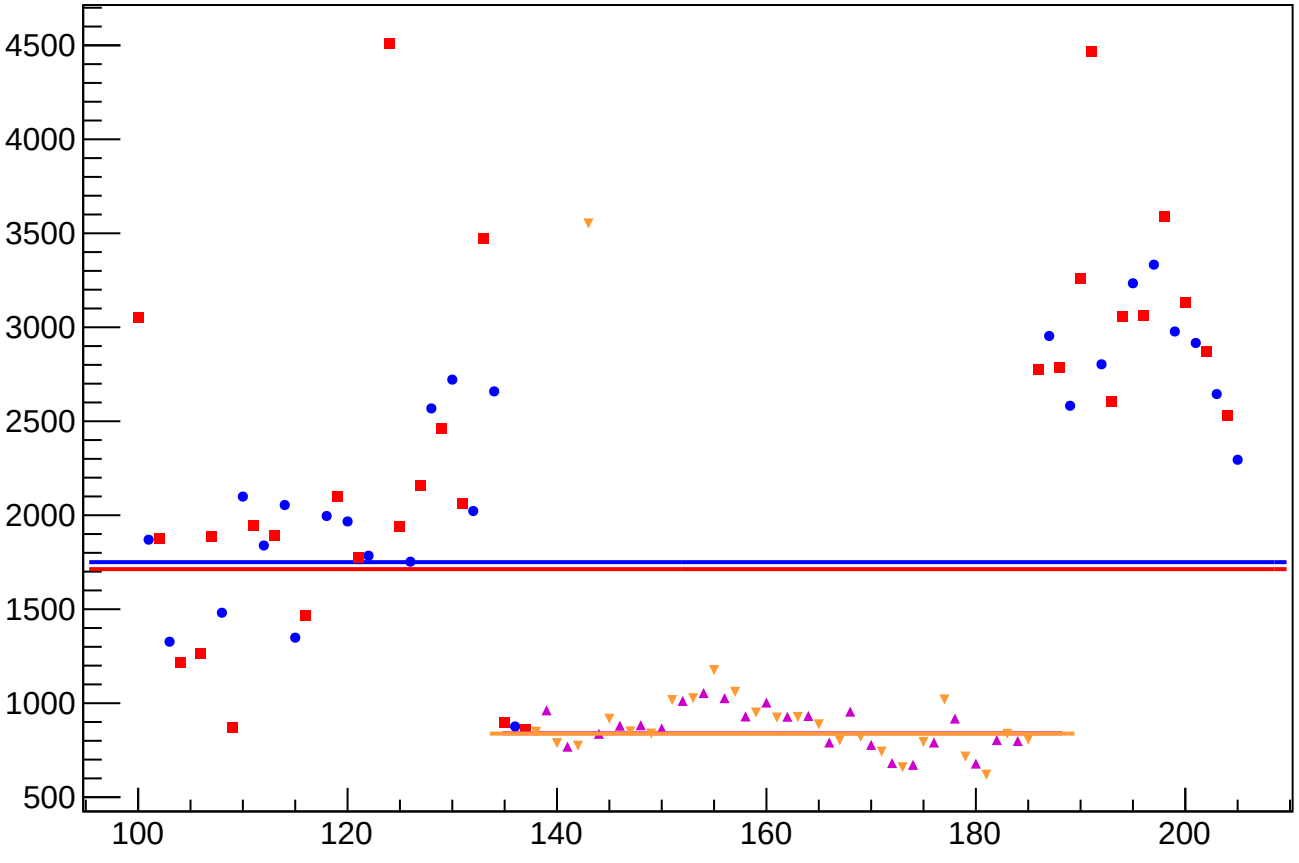
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 714.206+/-182.651 χ^2/NDF: 95.7/49

All: 547.331+/-129.648 χ^2/NDF: 133.3/102

- sign 377.876+/-184.057 χ^2/NDF: 35.8/52

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

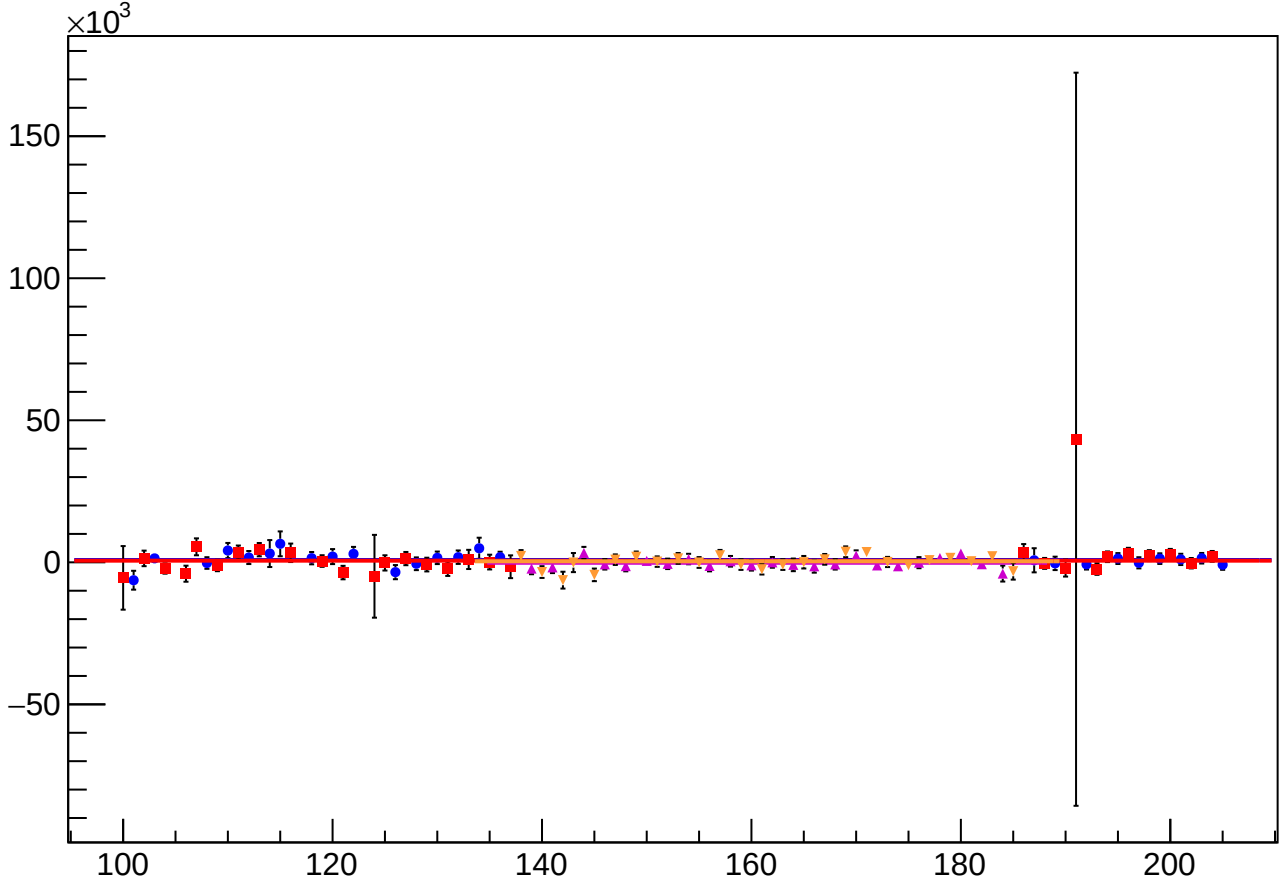
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 955.609+/-0.129 χ^2/NDF: 11768196.6/49

All: 958.973+/-0.092 χ^2/NDF: 23551314.5/10

- sign 962.389+/-0.130 χ^2/NDF: 11781750.6/52

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 584.817+/-440.739 χ^2/NDF: 28.6/29

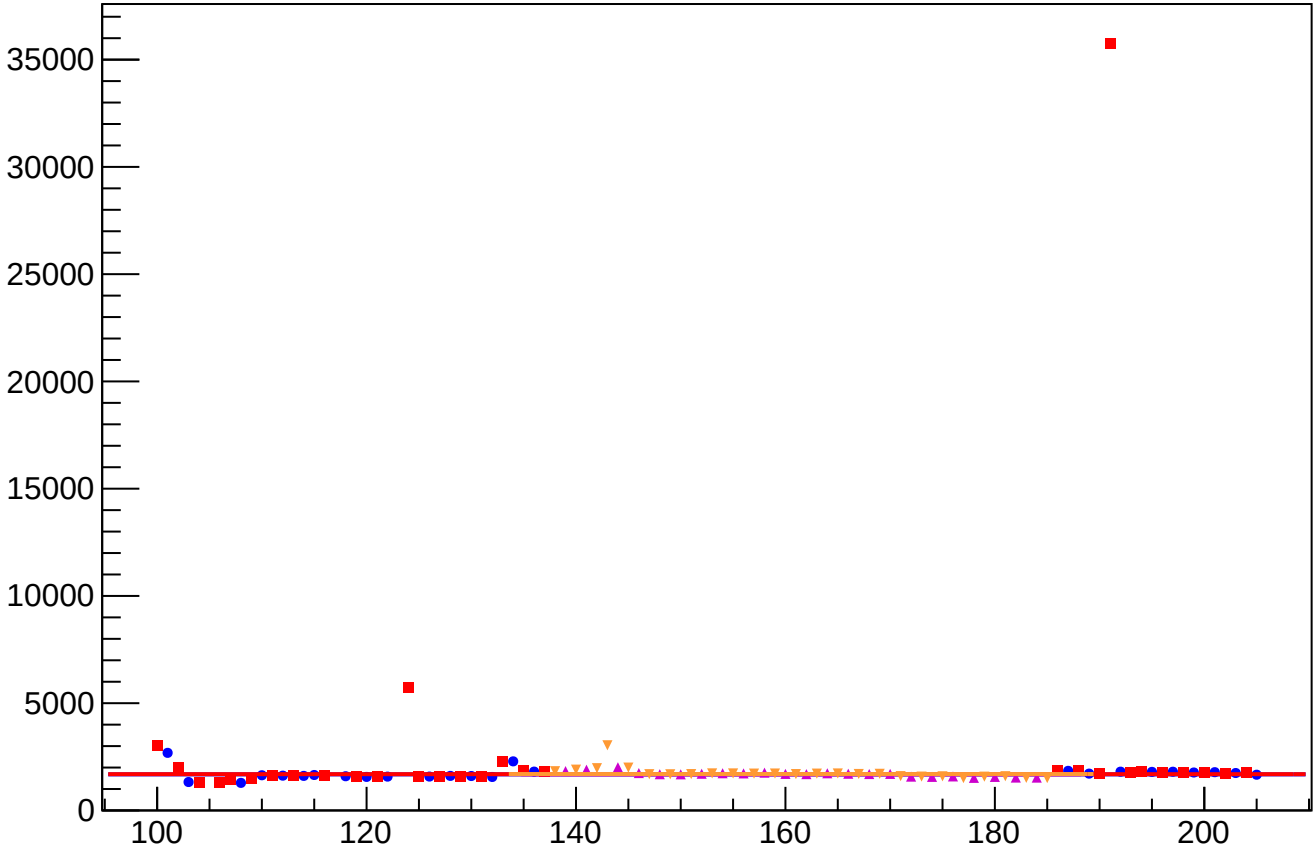
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 555.243+/-294.420 χ^2/NDF: 47.3/49

All: 363.638+/-207.983 χ^2/NDF: 94.3/102

- sign 172.778+/-293.846 χ^2/NDF: 46.2/52

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

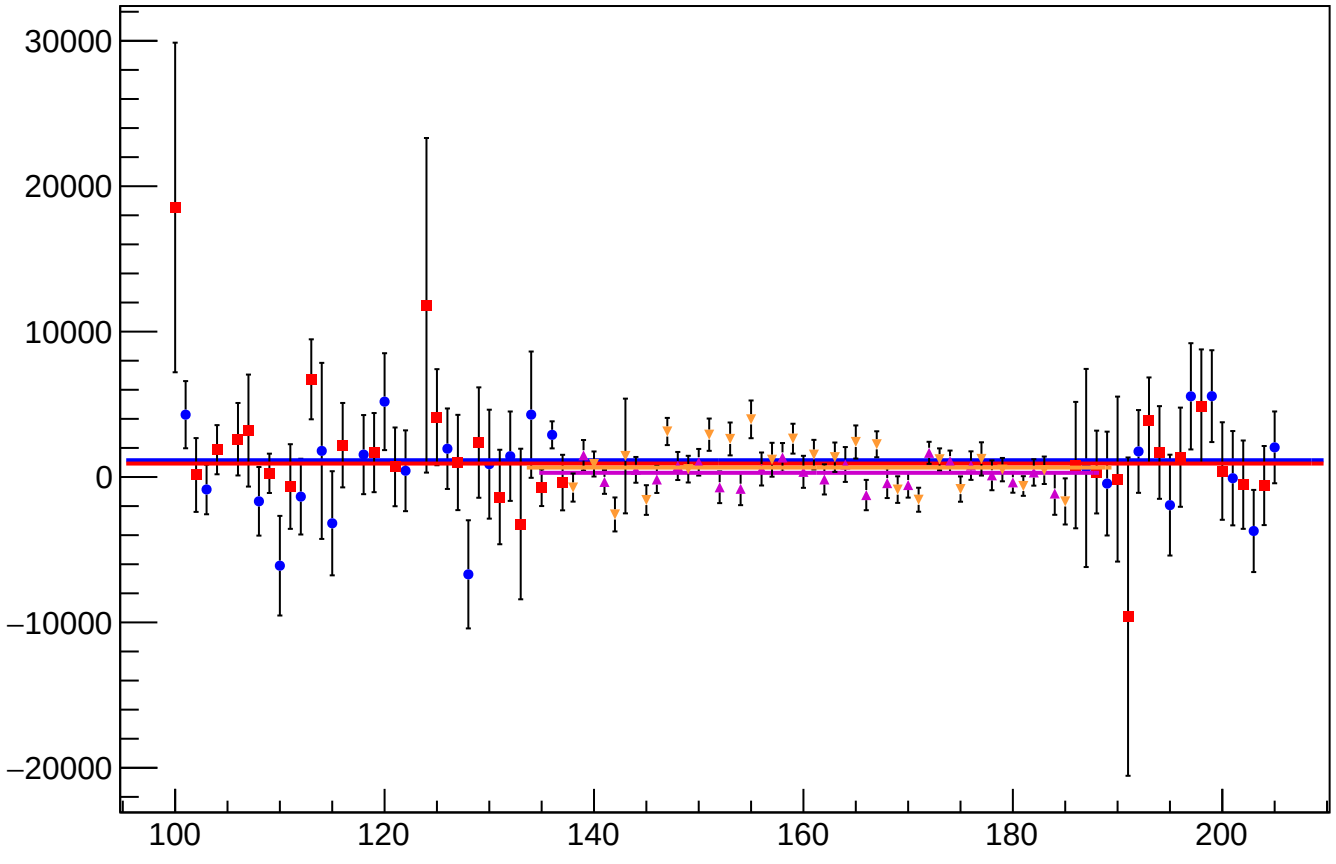
Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1690.561+/-0.208 χ^2/NDF: 966734.3/49

All: 1689.016+/-0.147 χ^2/NDF: 1803271.6/10

- sign 1687.477+/-0.208 χ^2/NDF: 836427.4/52



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

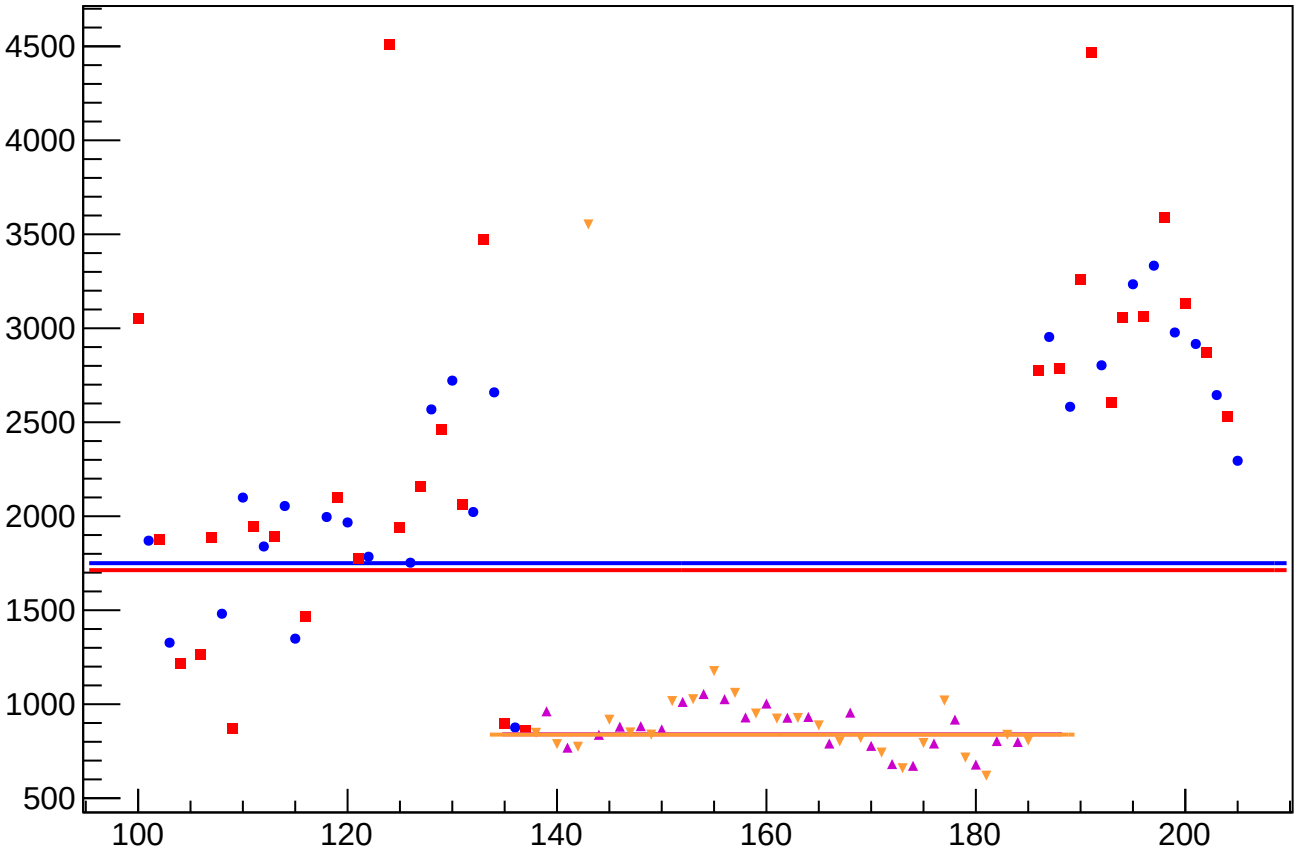
Right Out: 925.472+/-491.604 χ^2/NDF: 17.8/29

Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 714.206+/-182.651 χ^2/NDF: 95.7/49

All: 547.331+/-129.648 χ^2/NDF: 133.3/102

\- sign 377.876+/-184.057 χ^2/NDF: 35.8/52



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

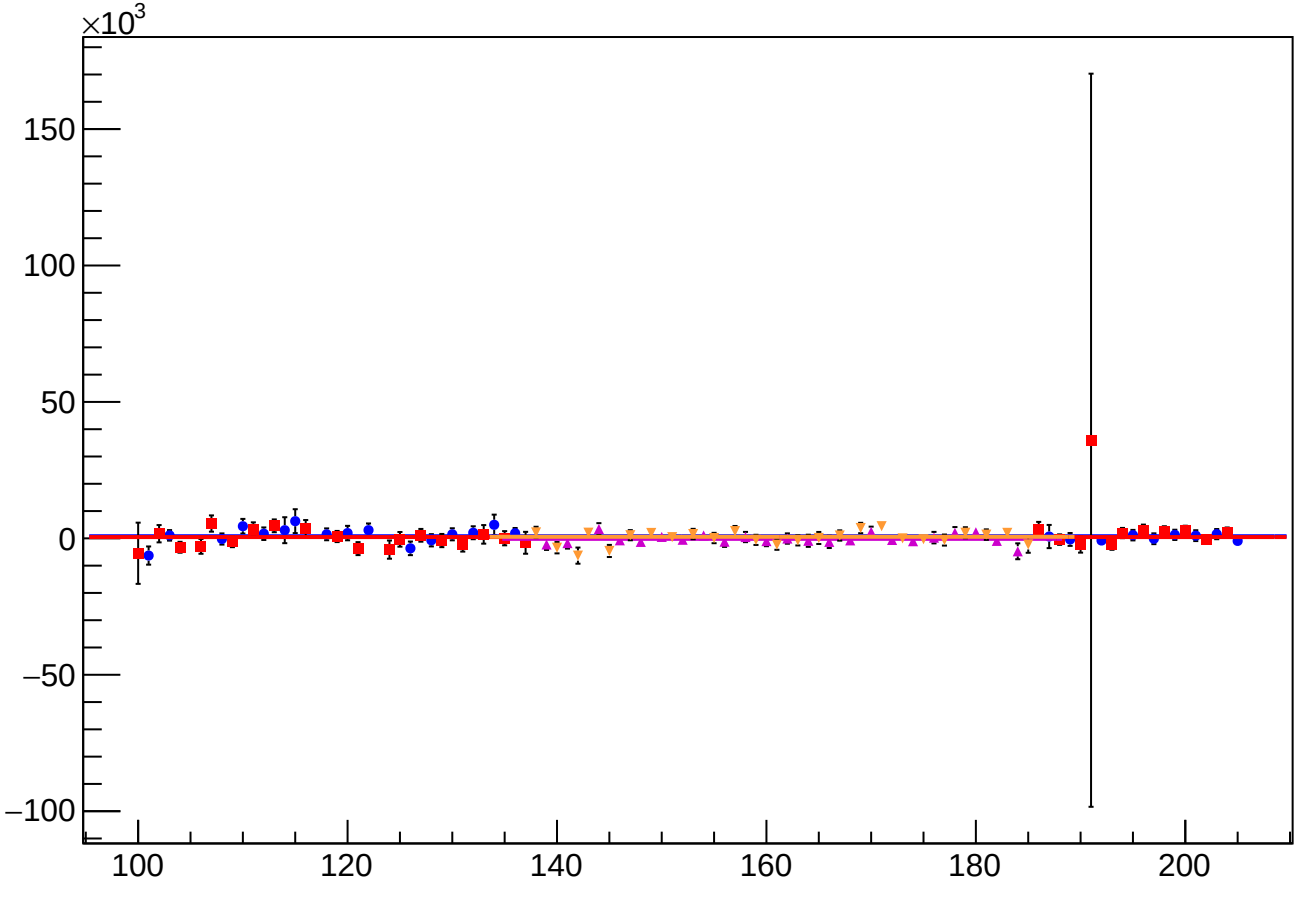
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 955.609+/-0.129 χ^2/NDF: 11768196.6/49

All: 958.973+/-0.092 χ^2/NDF: 23551314.5/10

- sign 962.389+/-0.130 χ^2/NDF: 11781750.6/52

dit_asym_at2_dd_mean vs Slug



Right In: 777.879+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 469.065+/-441.255 χ^2/NDF: 30.9/29

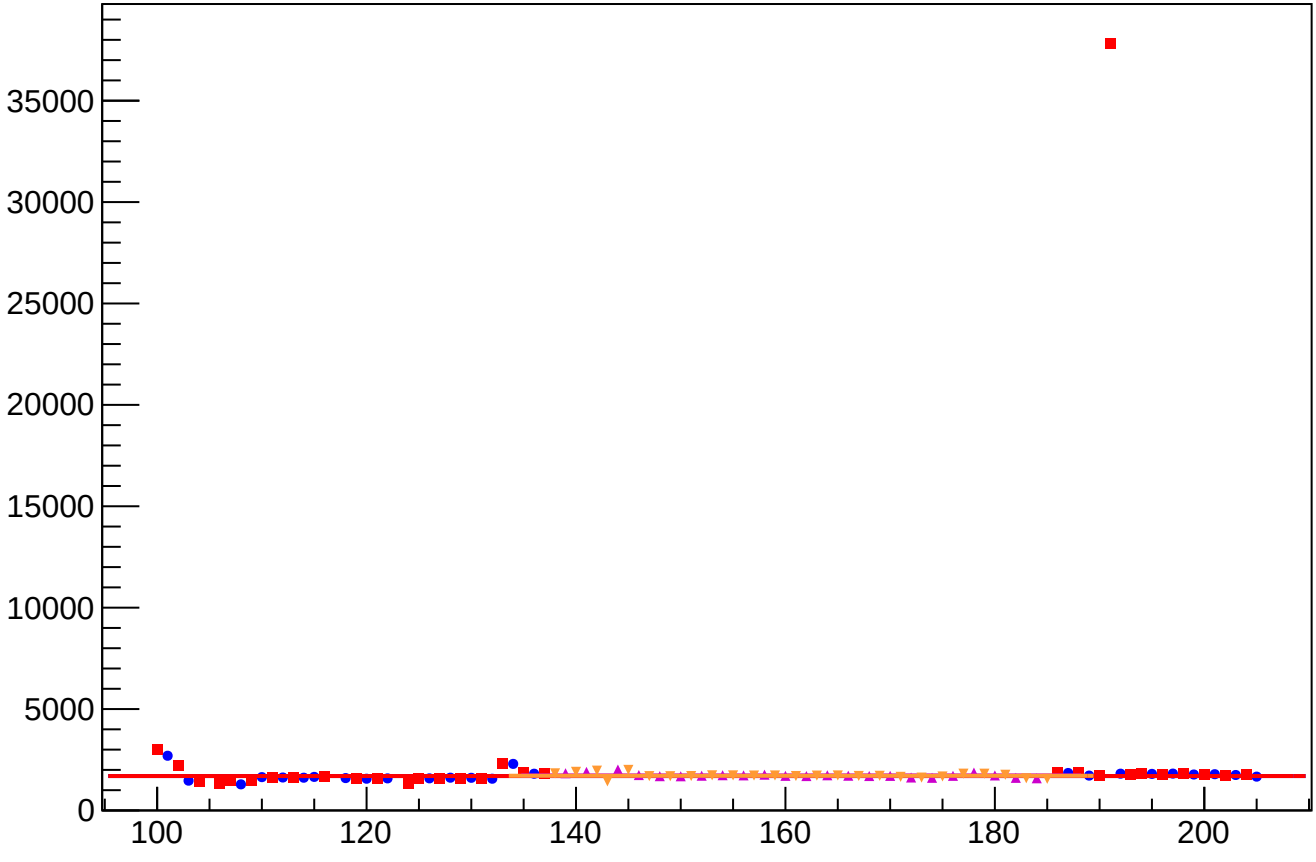
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 663.787+/-296.186 χ^2/NDF: 49.8/49

All: 390.026+/-210.077 χ^2/NDF: 98.1/102

- sign 112.881+/-298.011 χ^2/NDF: 46.6/52

dit_asym_at2_dd_rms vs Slug



Right In: 1697.063+/-0.322 χ^2/NDF: 413596.1/24

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.7/29

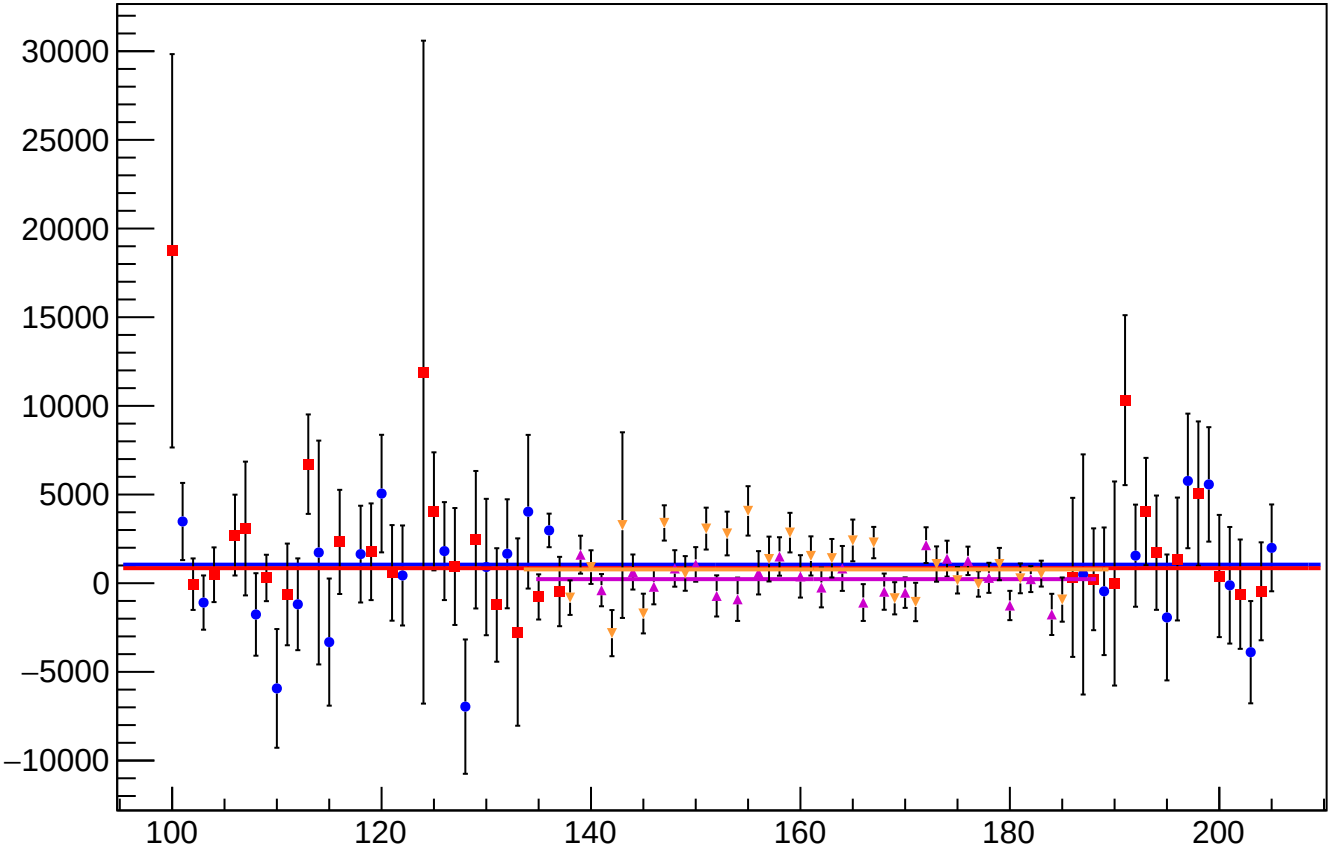
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.522+/-0.209 χ^2/NDF: 582796.1/49

All: 1709.607+/-0.149 χ^2/NDF: 1219891.0/10

- sign 1713.742+/-0.211 χ^2/NDF: 636329.3/52

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1046.163+/-506.067 χ^2/NDF: 29.7/24

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 846.831+/-468.093 χ^2/NDF: 20.4/29

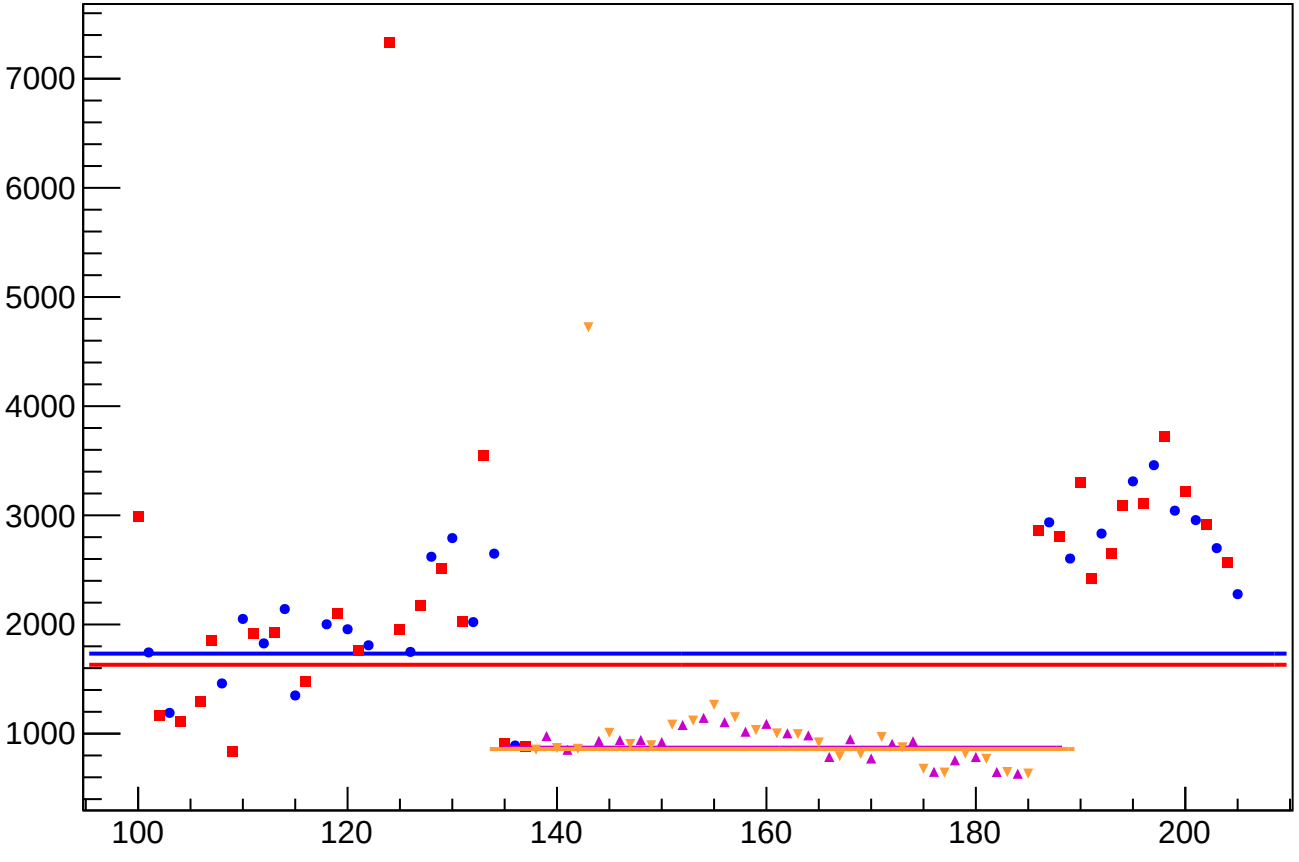
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 815.581+/-187.319 χ^2/NDF: 84.4/49

All: 574.931+/-133.076 χ^2/NDF: 132.3/102

- sign 329.715+/-189.088 χ^2/NDF: 44.5/52

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1733.142+/-0.358 χ^2/NDF: 4523589.7/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1630.880+/-0.331 χ^2/NDF: 6194161.8/29

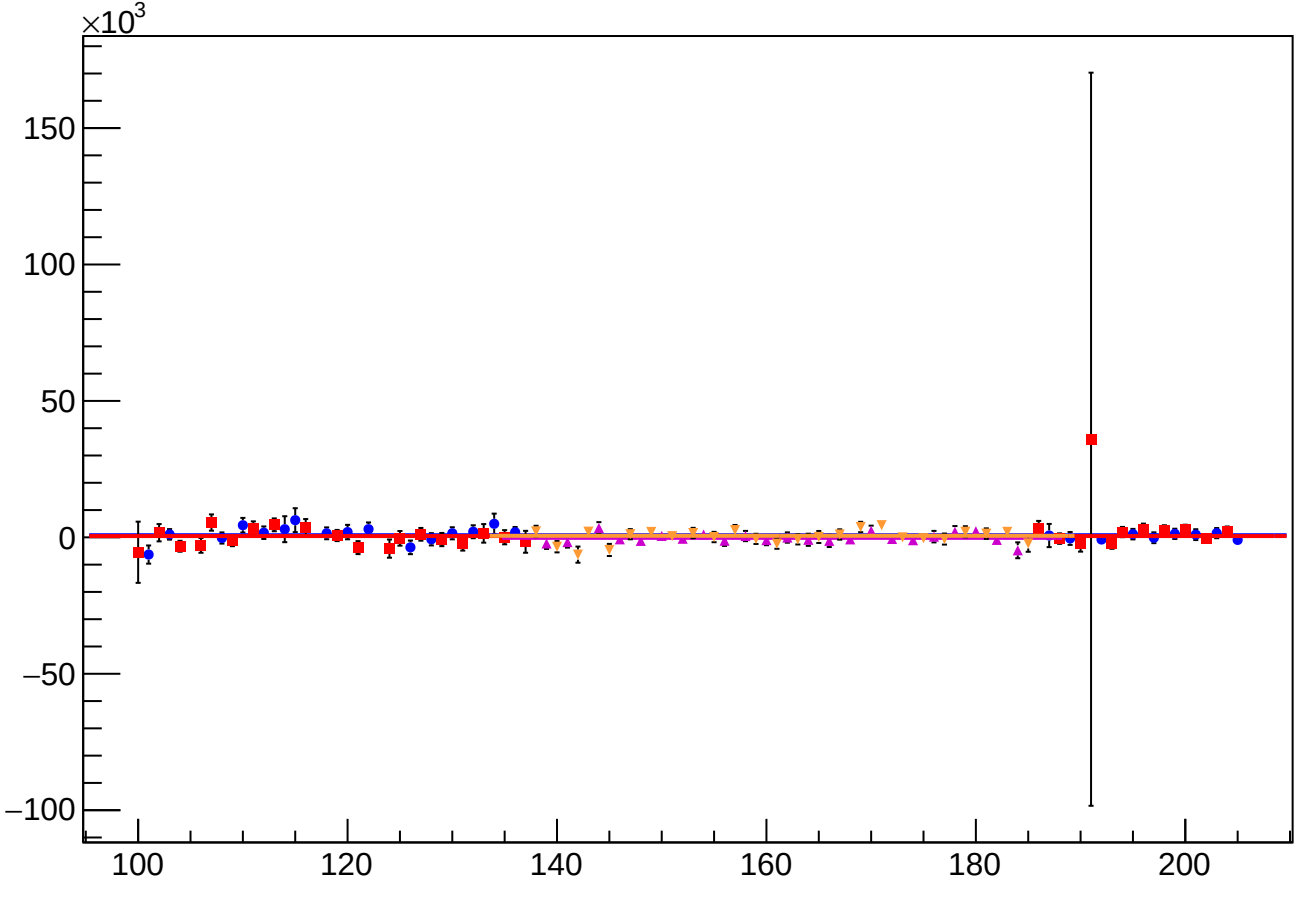
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 978.413+/-0.132 χ^2/NDF: 11957885.6/49

All: 986.845+/-0.094 χ^2/NDF: 23543984.4/10

- sign 995.437+/-0.134 χ^2/NDF: 11577917.1/52

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 777.880+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 469.065+/-441.255 χ^2/NDF: 30.9/29

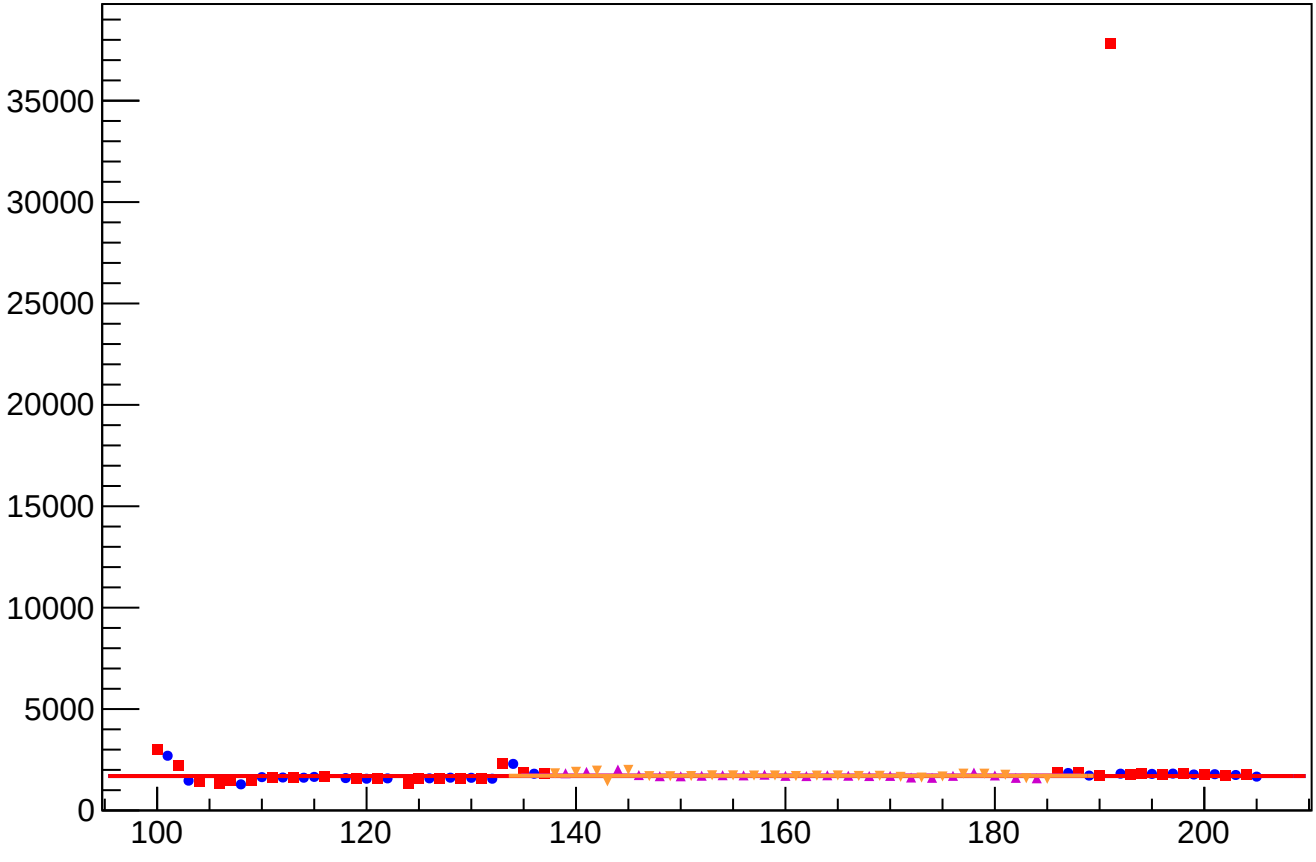
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 663.785+/-296.186 χ^2/NDF: 49.8/49

All: 390.025+/-210.077 χ^2/NDF: 98.1/102

- sign 112.880+/-298.011 χ^2/NDF: 46.6/52

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1697.063+/-0.322 χ^2/NDF: 413595.8/24

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

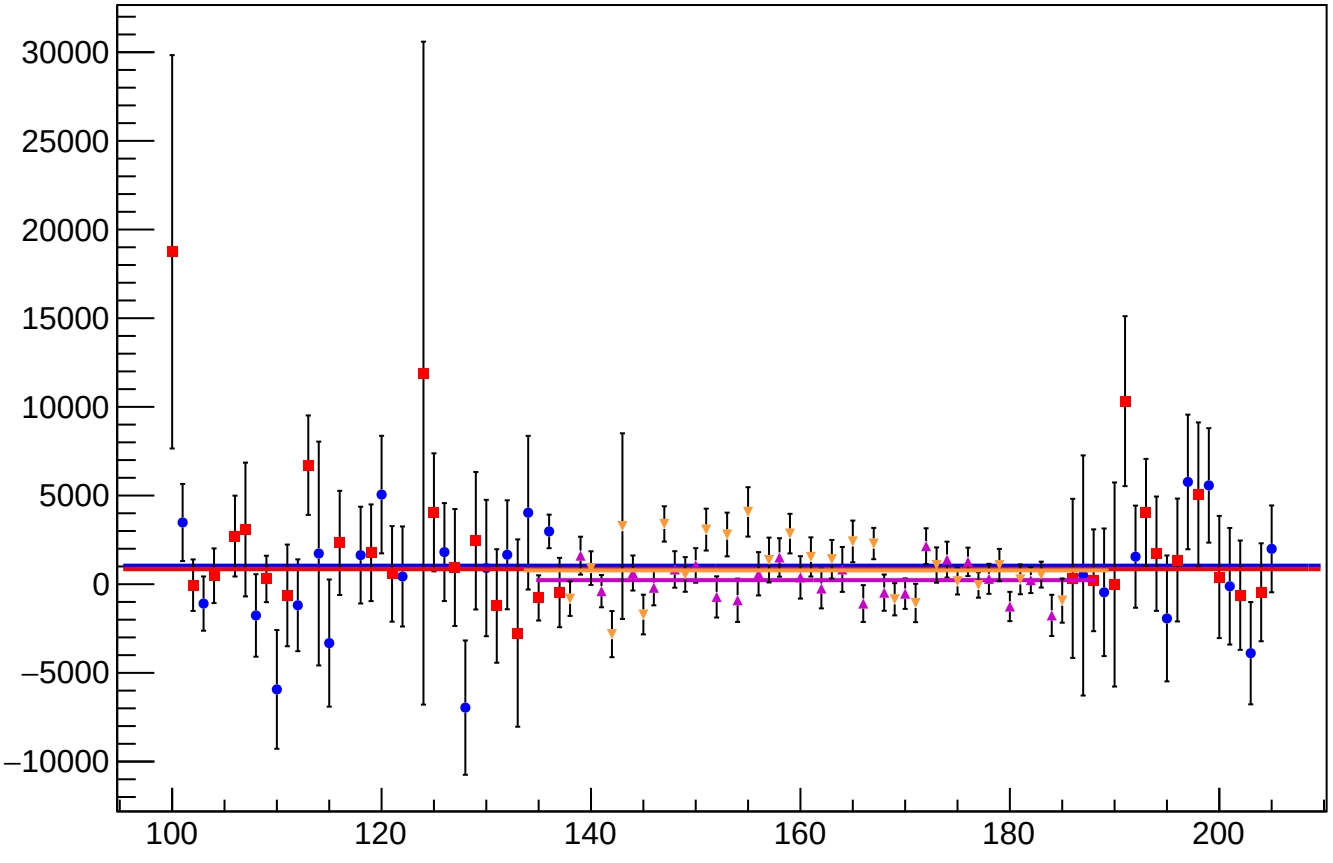
Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.9/29

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.522+/-0.209 χ^2/NDF: 582794.7/49

All: 1709.606+/-0.149 χ^2/NDF: 1219889.6/10

- sign 1713.742+/-0.211 χ^2/NDF: 636329.4/52



Right In: 1046.154+/-506.070 χ^2/NDF: 29.7/24

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

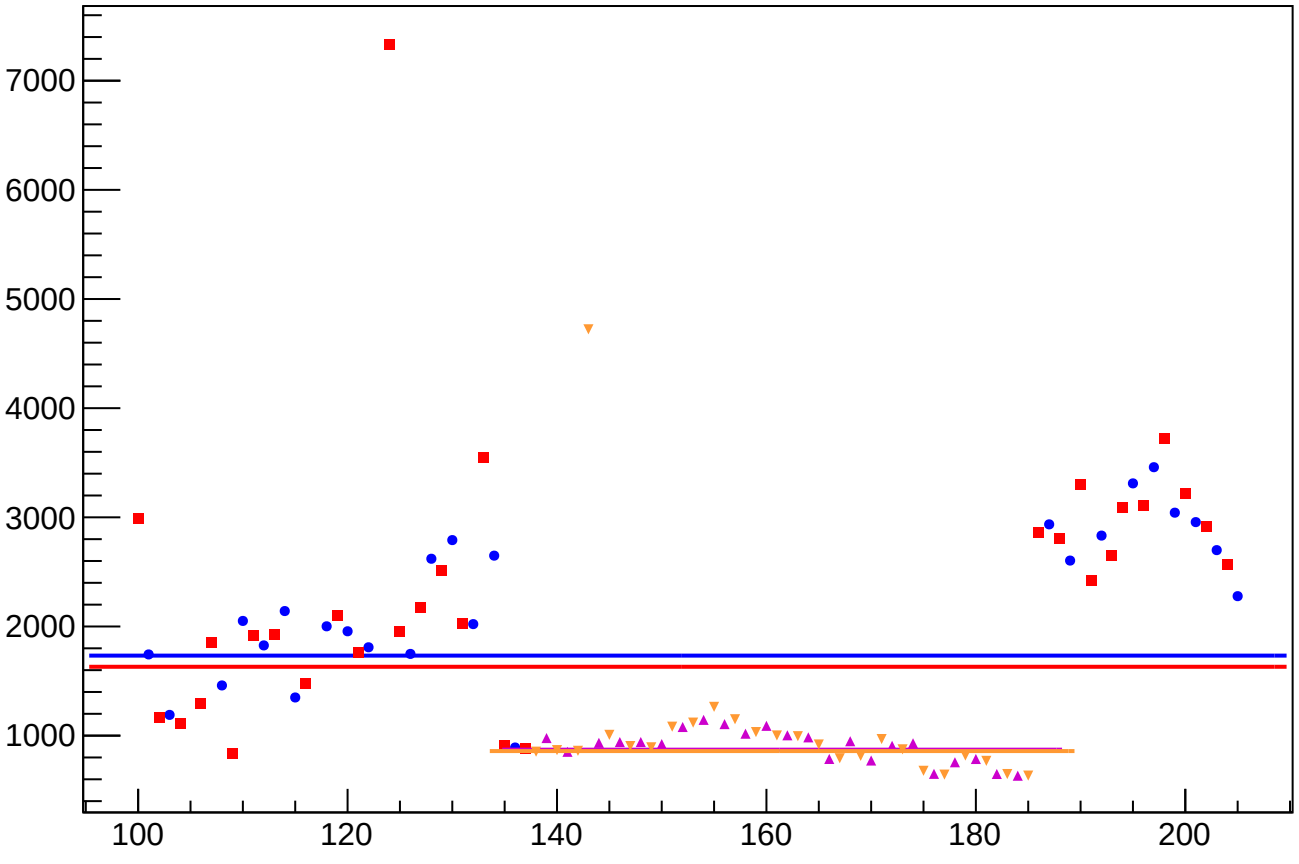
Right Out: 846.844+/-468.095 χ^2/NDF: 20.4/29

Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 815.582+/-187.319 χ^2/NDF: 84.4/49

All: 574.931+/-133.076 χ^2/NDF: 132.3/102

- sign 329.714+/-189.088 χ^2/NDF: 44.5/52



Right In: 1733.157+/-0.358 χ^2/NDF: 4523433.8/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1630.894+/-0.331 χ^2/NDF: 6194023.3/29

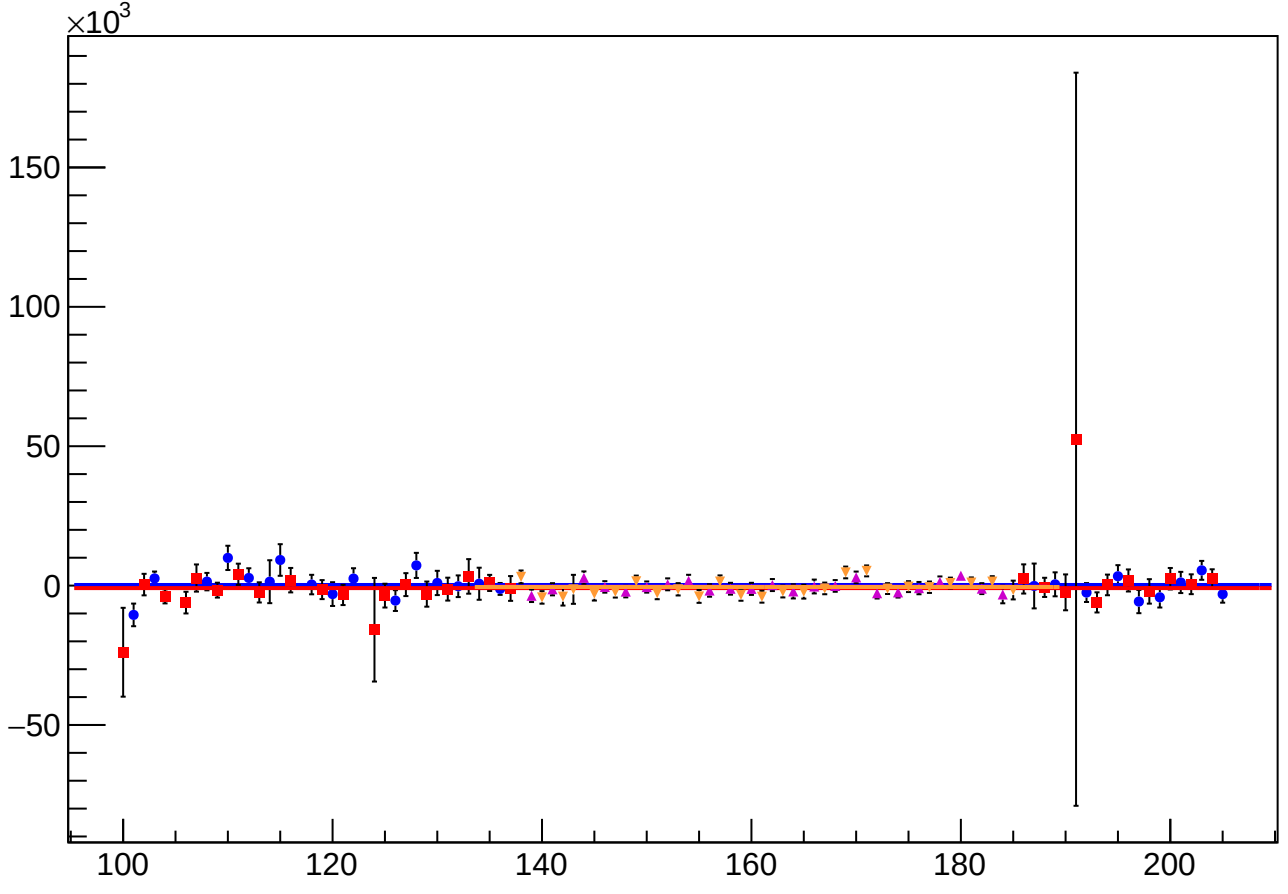
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 978.414+/-0.132 χ^2/NDF: 11957848.7/49

All: 986.846+/-0.094 χ^2/NDF: 23543947.9/10

- sign 995.437+/-0.134 χ^2/NDF: 11577918.7/52

asym_at2_dd_mean vs Slug



Right In: 218.853+/-740.506 χ^2/NDF: 30.6/24

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -899.280+/-723.900 χ^2/NDF: 16.3/29

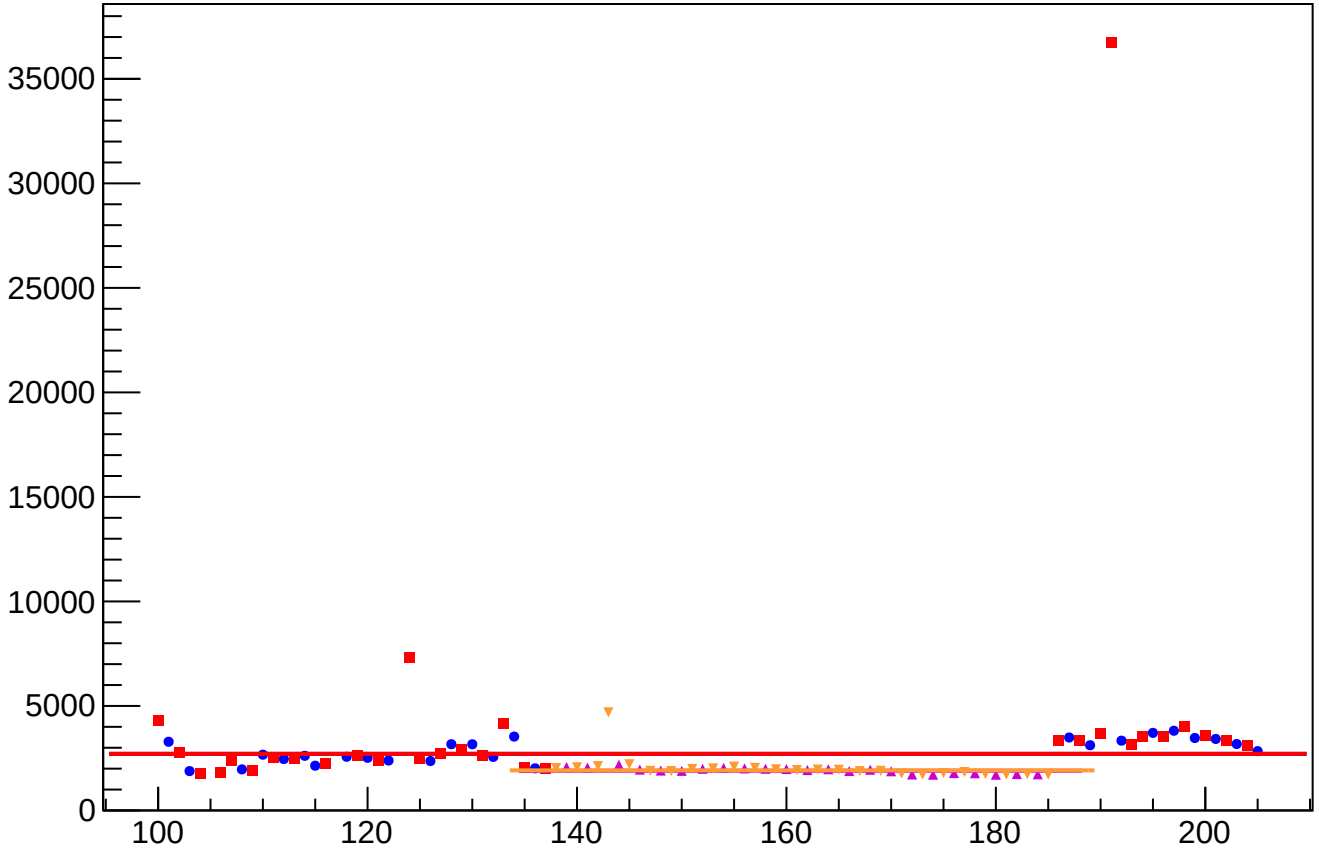
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -313.600+/-378.210 χ^2/NDF: 67.2/49

All: -429.089+/-267.656 χ^2/NDF: 102.9/102

- sign -544.960+/-378.835 χ^2/NDF: 35.5/52

asym_at2_dd_rms vs Slug



Right In: 2708.096+/-0.524 χ^2/NDF: 1315607.2/24

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2708.810+/-0.512 χ^2/NDF: 1943412.7/29

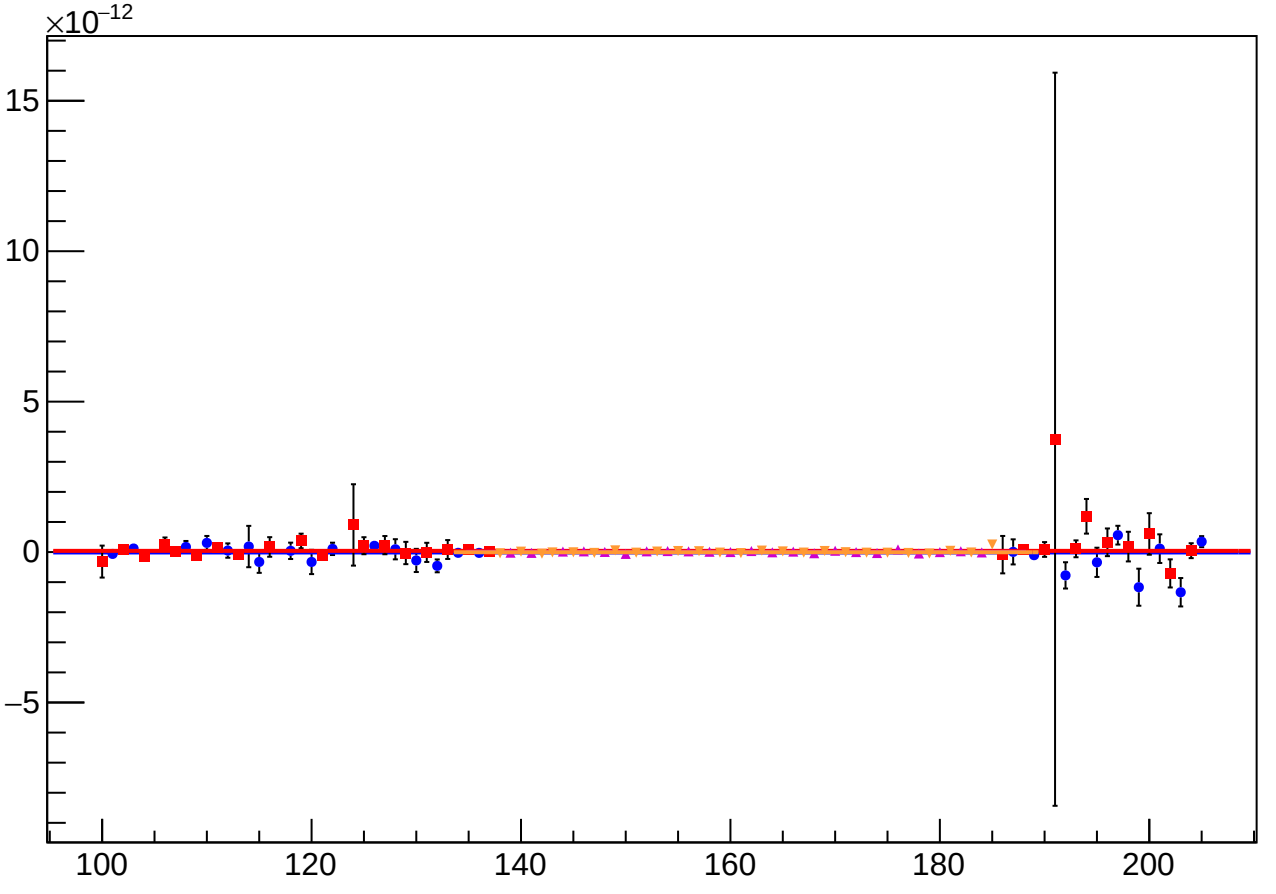
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2123.483+/-0.267 χ^2/NDF: 3758488.8/49

All: 2122.225+/-0.189 χ^2/NDF: 7691649.6/10

- sign 2120.962+/-0.268 χ^2/NDF: 3933116.4/52

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

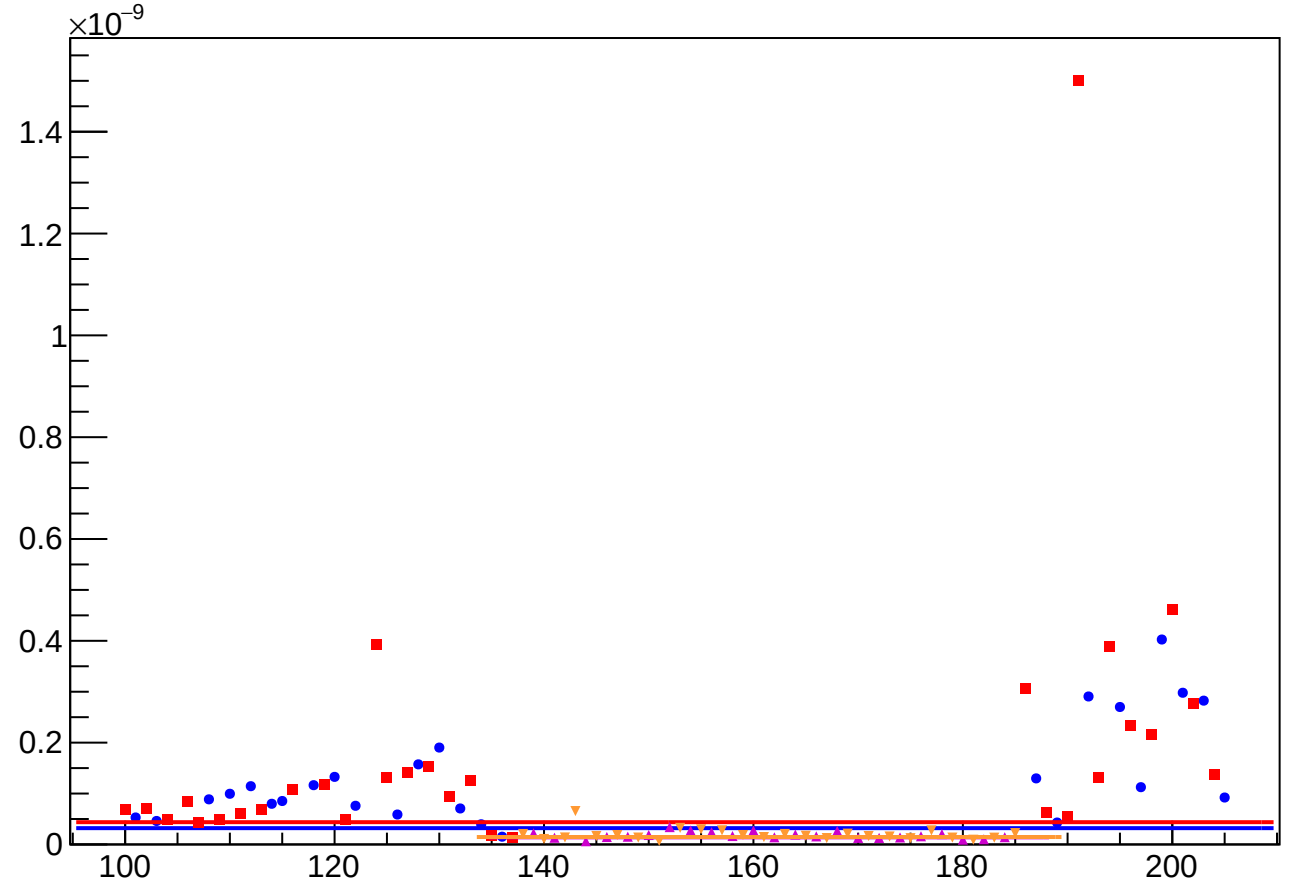
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/29

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.0/49

All: 0.000+/-0.000 χ^2/NDF: 119.4/102

- sign 0.000+/-0.000 χ^2/NDF: 49.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 6376643.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6024883.5/29

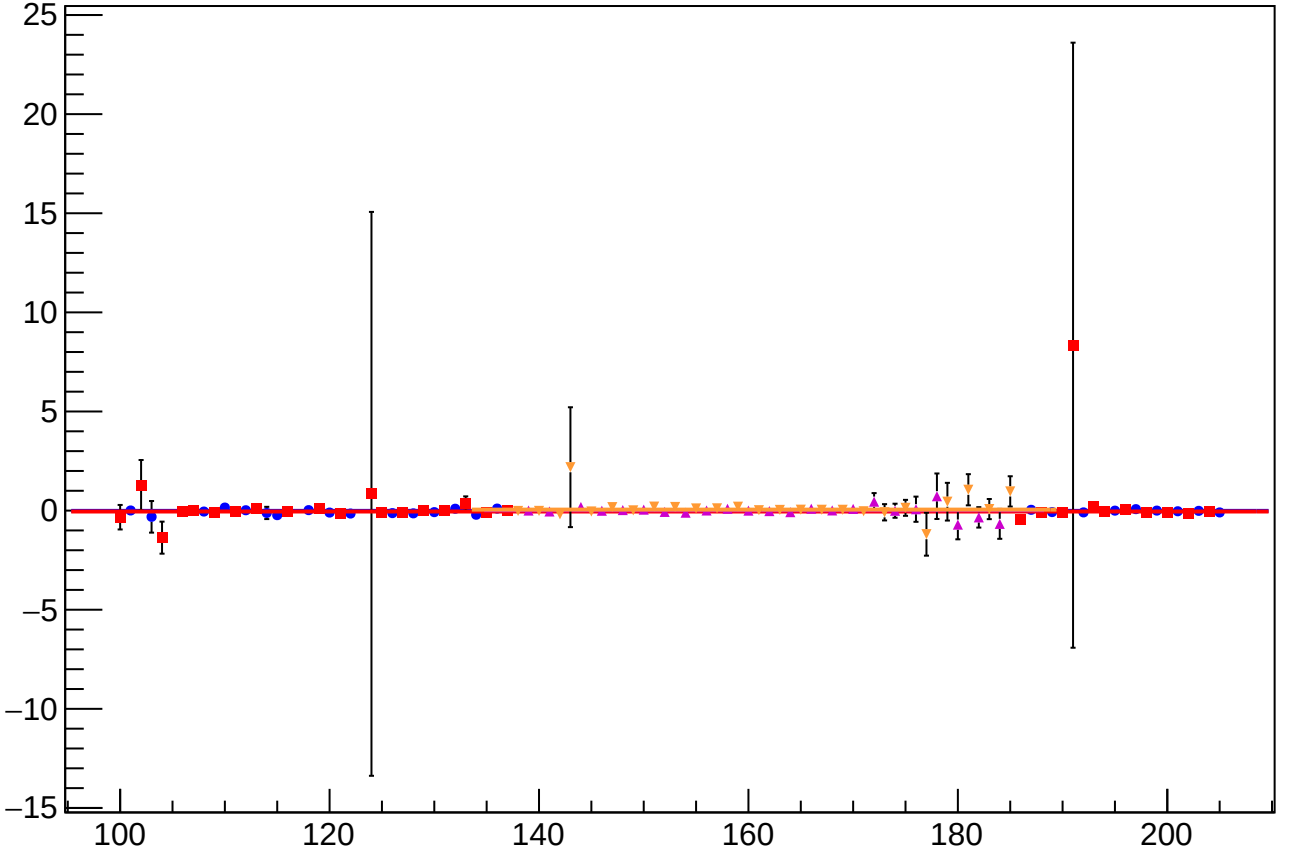
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9463293.3/49

All: 0.000+/-0.000 χ^2/NDF: 19823101.5/102

- sign 0.000+/-0.000 χ^2/NDF: 10353378.6/52

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

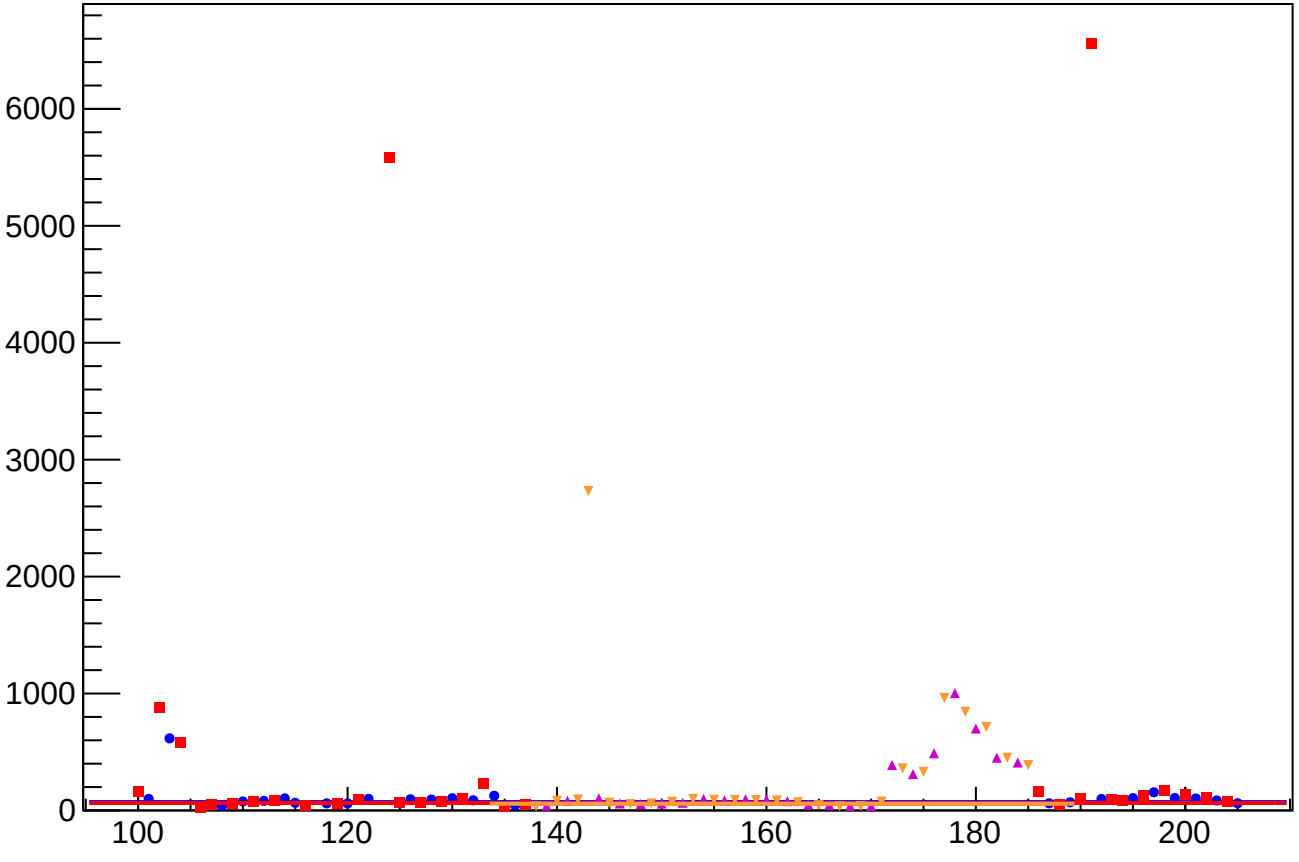
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.5/102

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

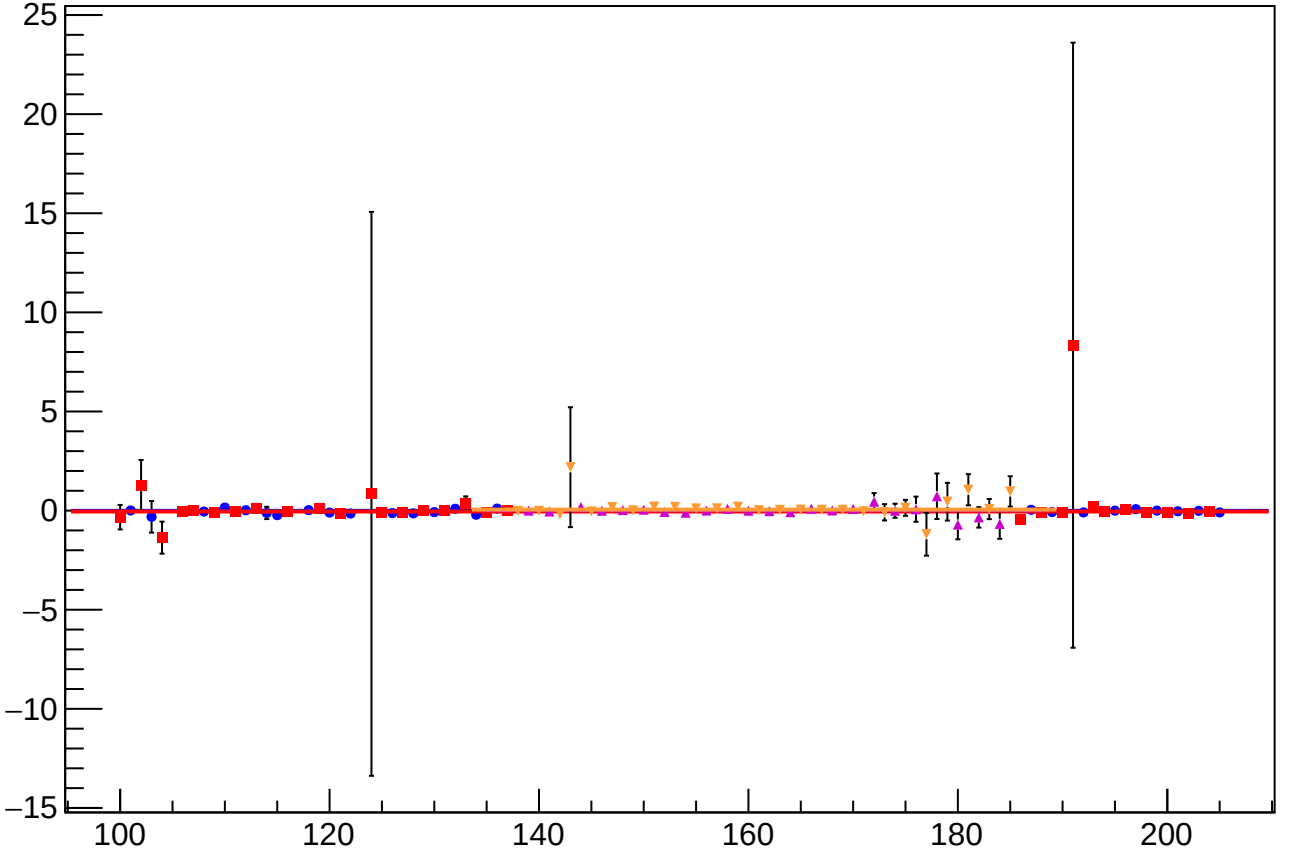
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.757+/-0.009 χ^2/NDF: 16628155.2/49

All: 61.737+/-0.007 χ^2/NDF: 34114296.4/102

- sign 60.772+/-0.009 χ^2/NDF: 17463460.5/52

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

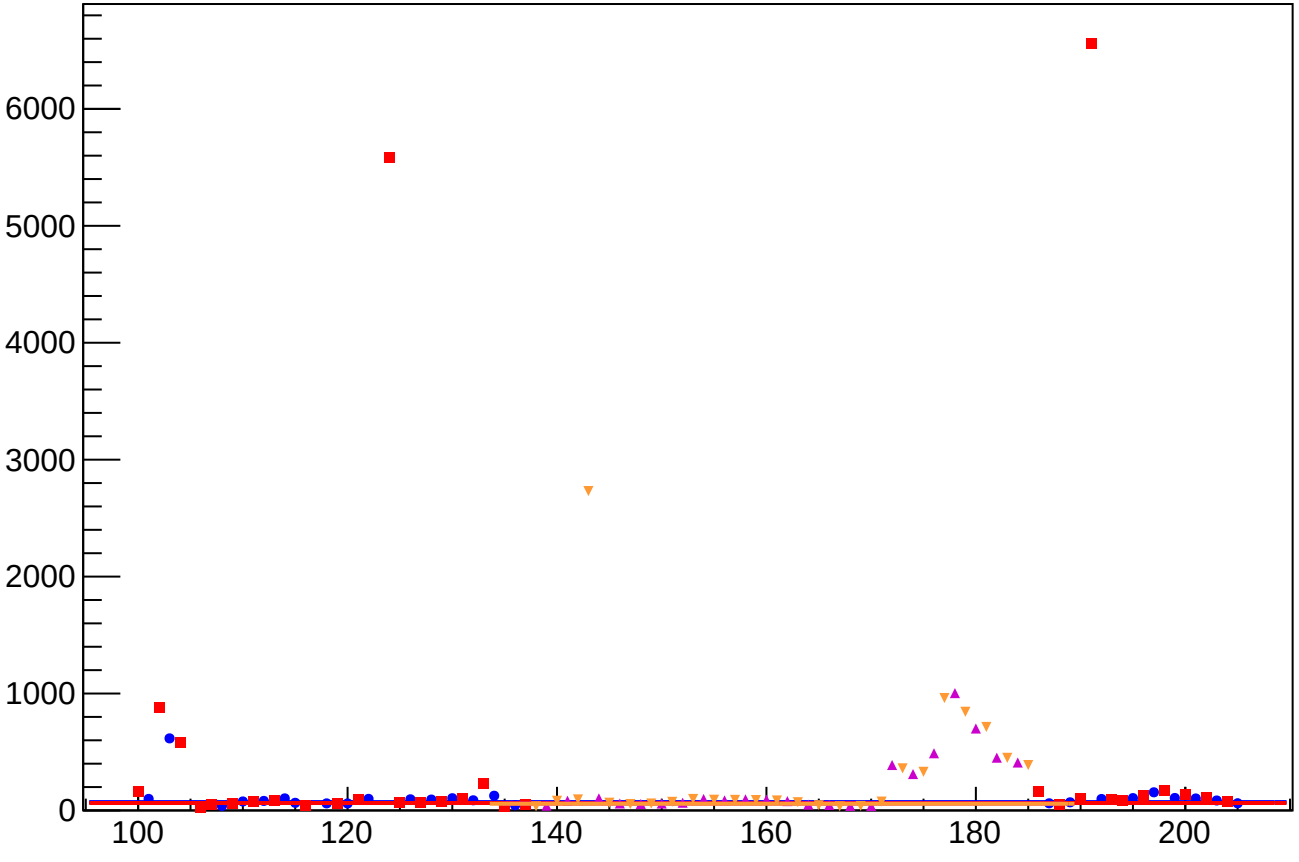
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.5/102

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

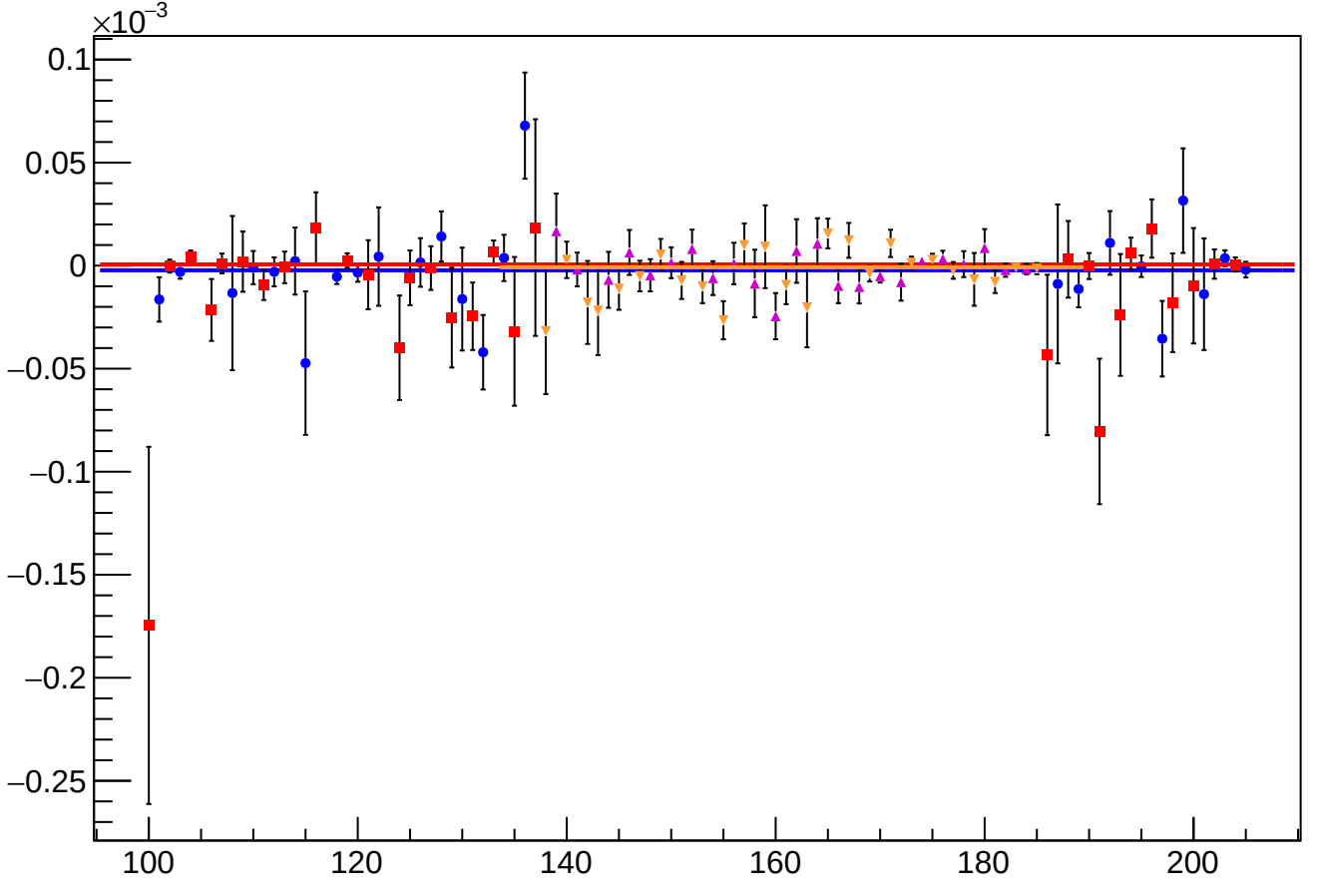
Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.757+/-0.009 χ^2/NDF: 16628155.2/49

All: 61.737+/-0.007 χ^2/NDF: 34114296.4/102

- sign 60.772+/-0.009 χ^2/NDF: 17463460.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/29

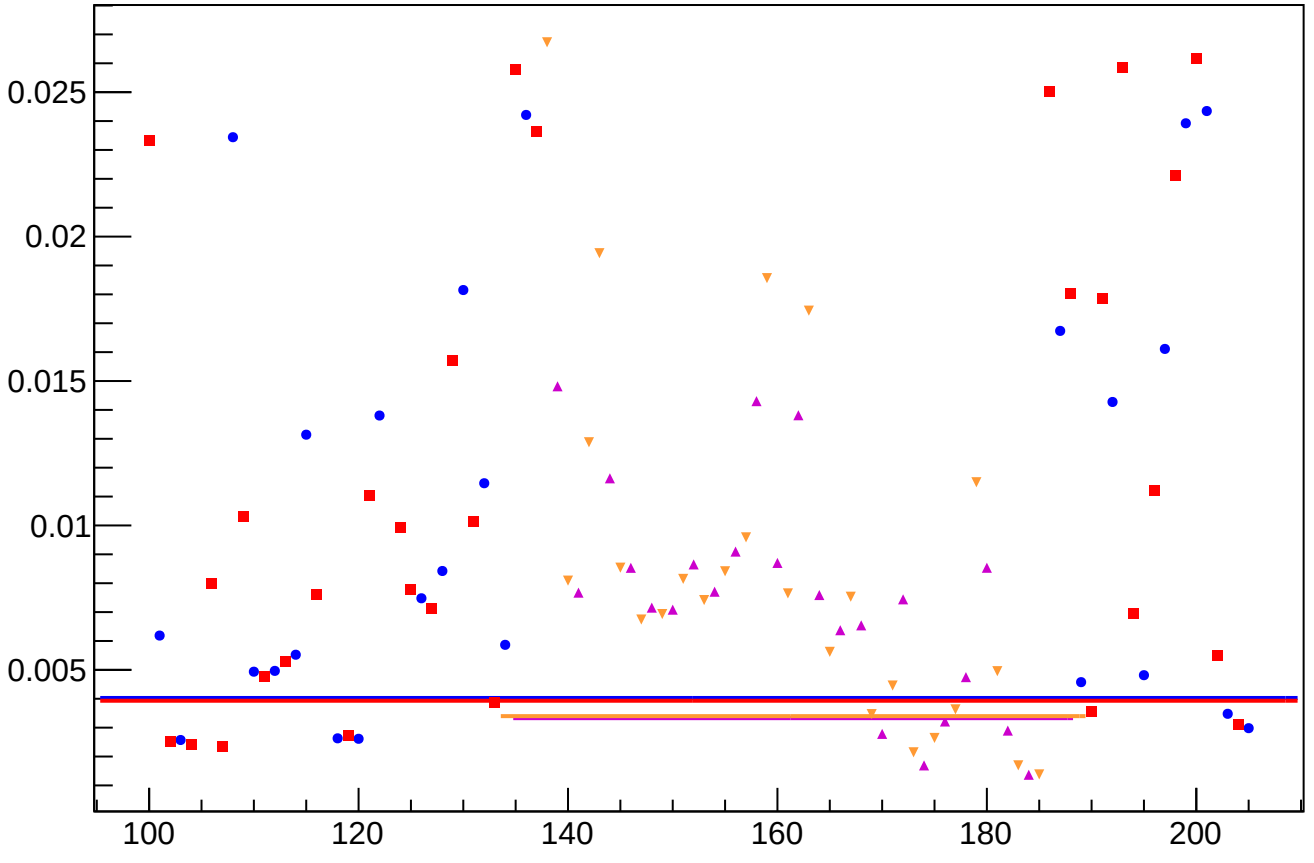
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.2/49

All: -0.000+/-0.000 χ^2/NDF: 111.7/102

- sign -0.000+/-0.000 χ^2/NDF: 48.6/52

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 9320396.4/24

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11290298.7/29

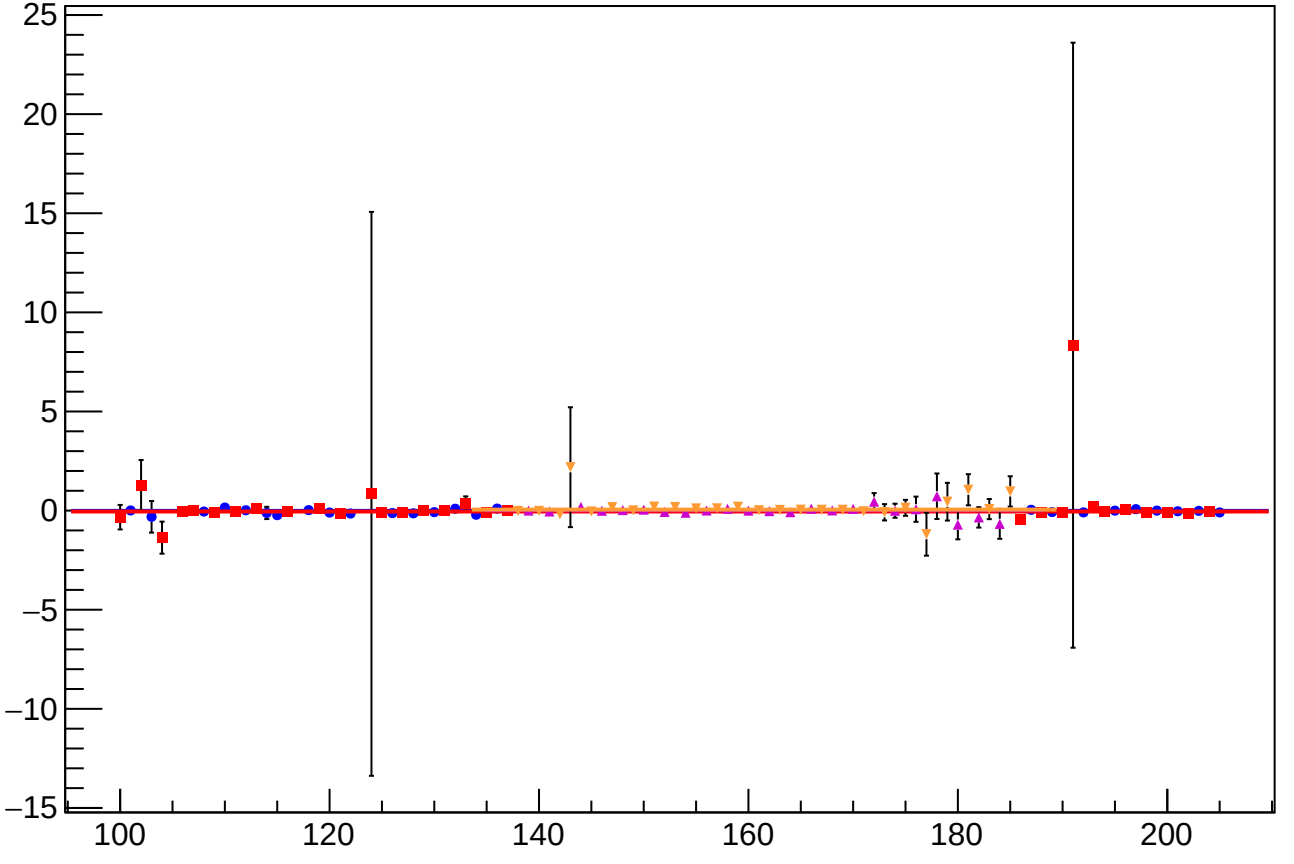
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 23827345.8/49

All: 0.004+/-0.000 χ^2/NDF: 47946533.9/102

- sign 0.004+/-0.000 χ^2/NDF: 24115338.0/52

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

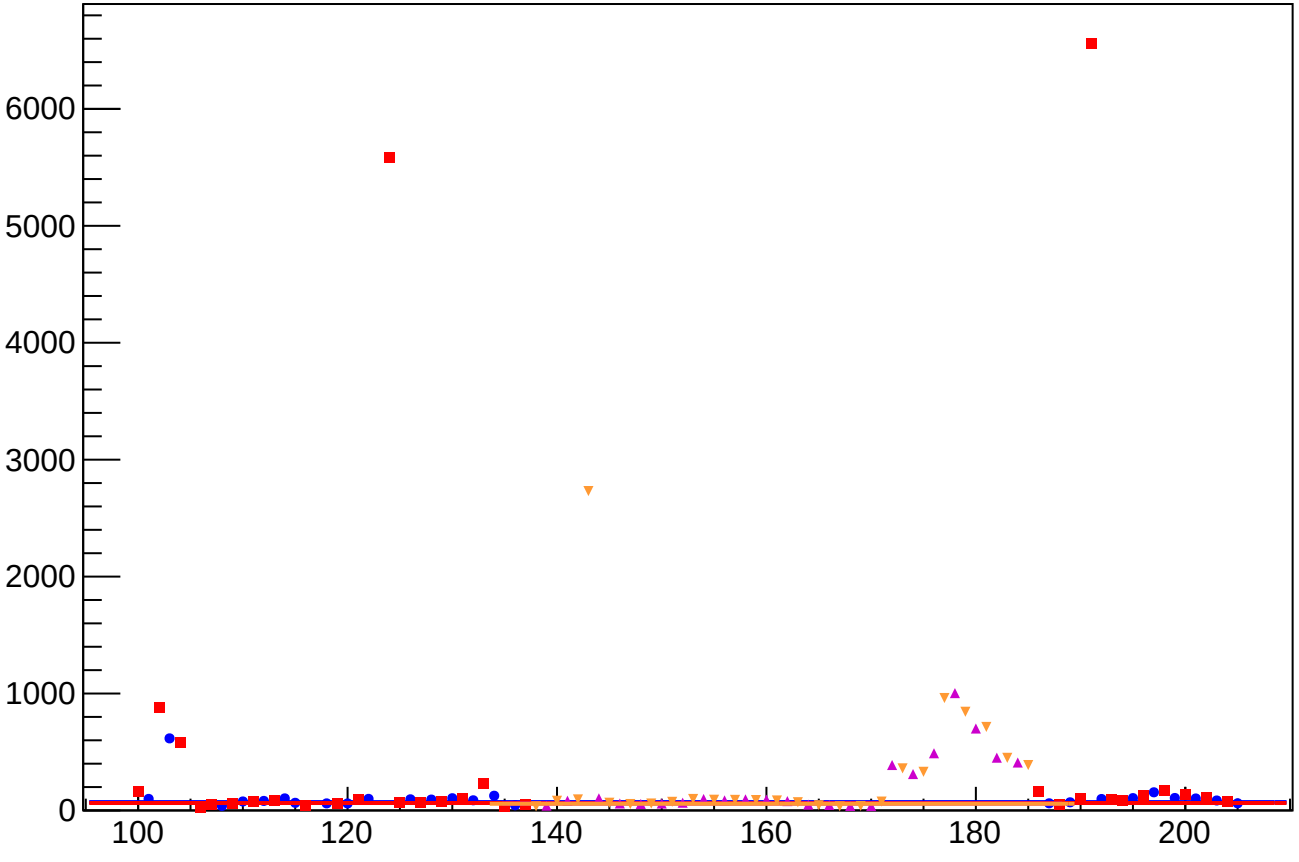
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.5/102

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

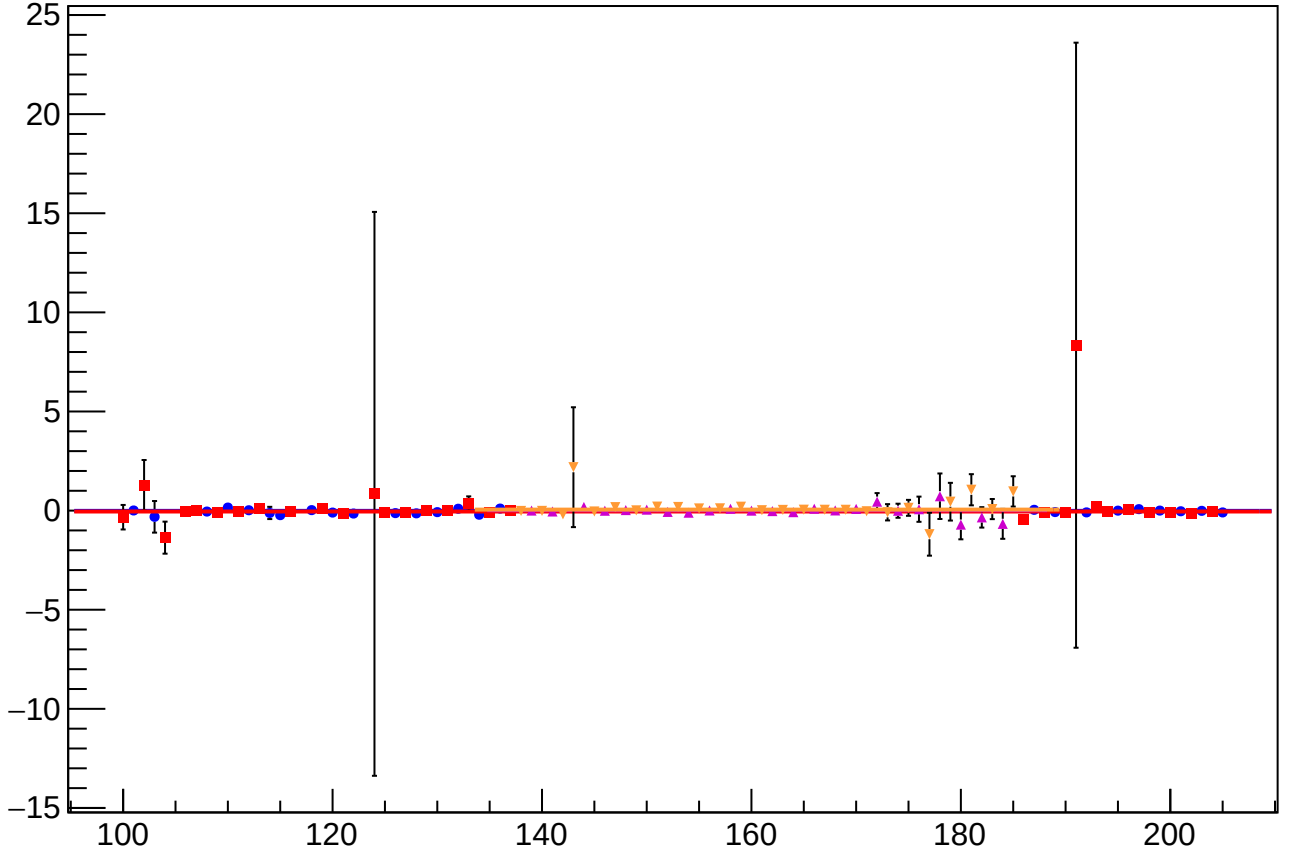
Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.758+/-0.009 χ^2/NDF: 16627100.8/49

All: 61.737+/-0.007 χ^2/NDF: 34113638.0/102

- sign 60.772+/-0.009 χ^2/NDF: 17463817.5/52



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.045+/-0.020 χ^2/NDF: 23.8/29

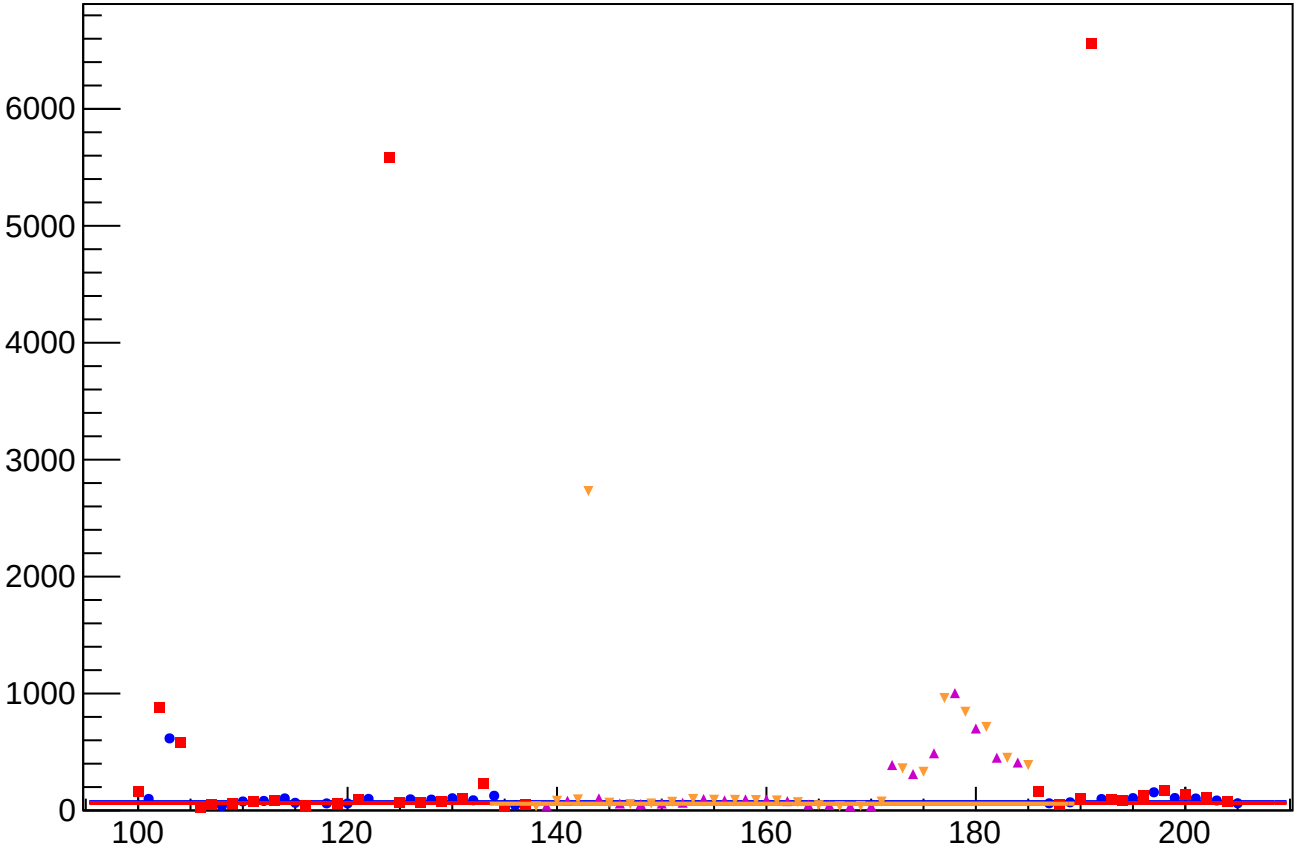
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.5/102

- sign -0.008+/-0.013 χ^2/NDF: 45.2/52

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

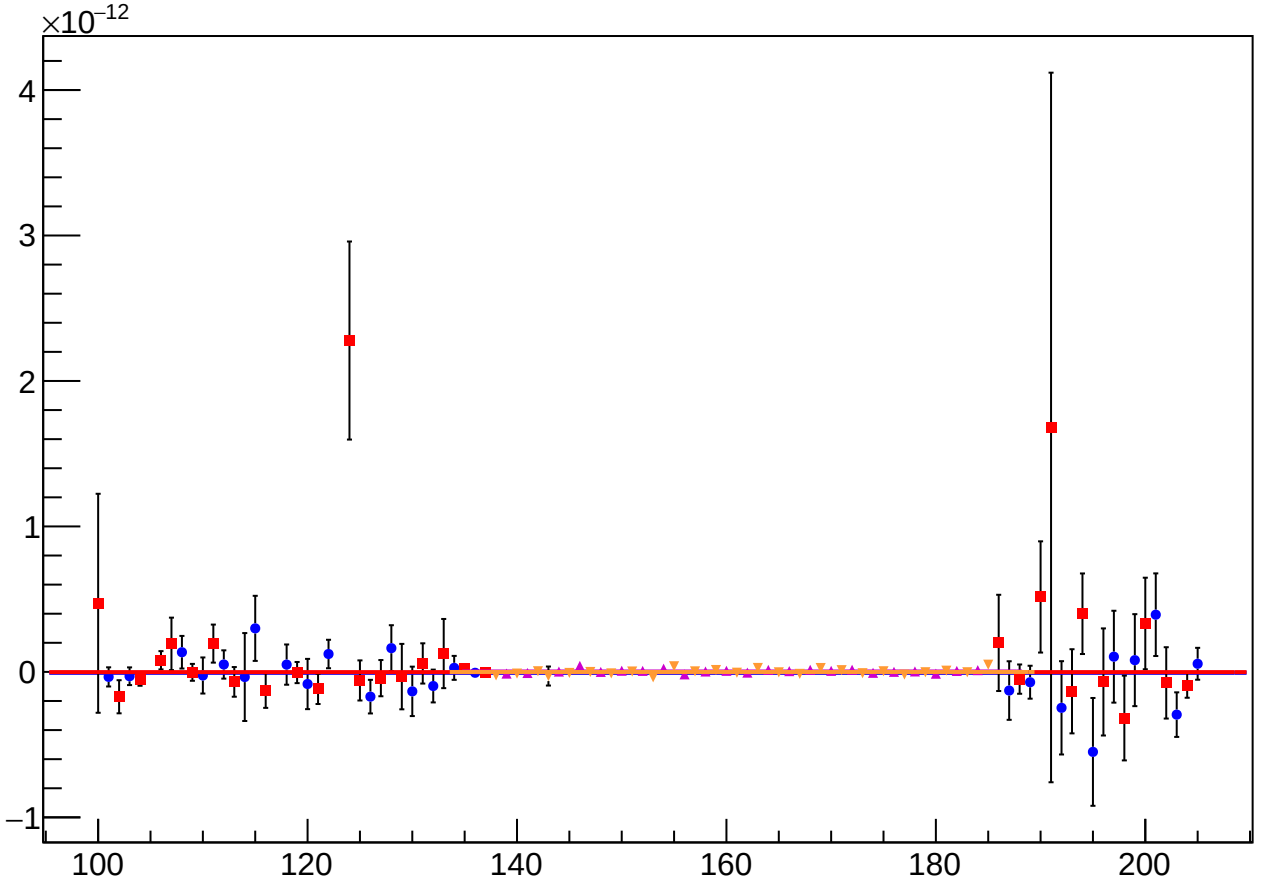
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.758+/-0.009 χ^2/NDF: 16627100.8/49

All: 61.737+/-0.007 χ^2/NDF: 34113638.0/102

- sign 60.772+/-0.009 χ^2/NDF: 17463817.5/52

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

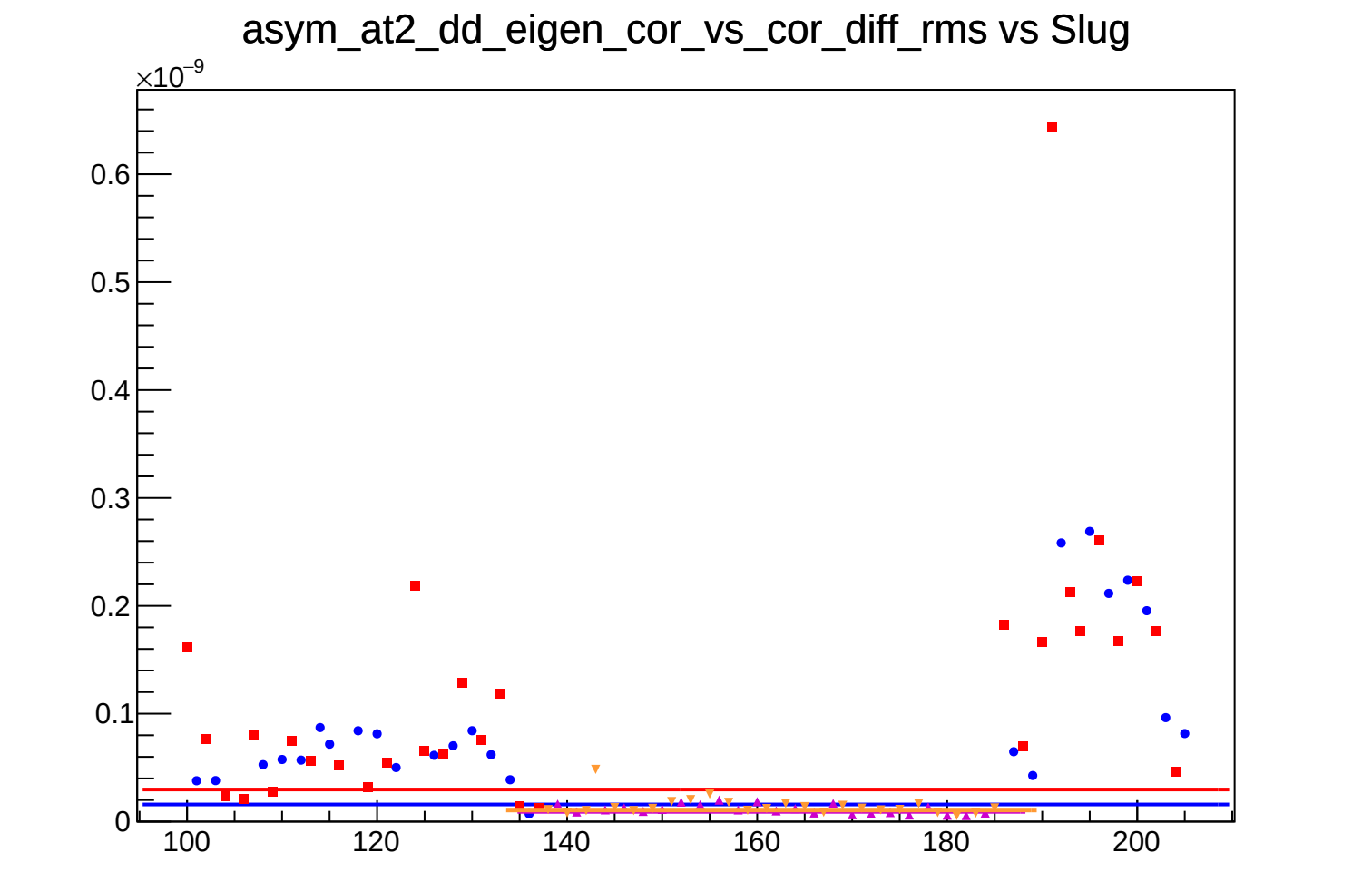
Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/29

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/49

All: 0.000+/-0.000 χ^2/NDF: 89.6/102

- sign 0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 11107693.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9032785.5/29

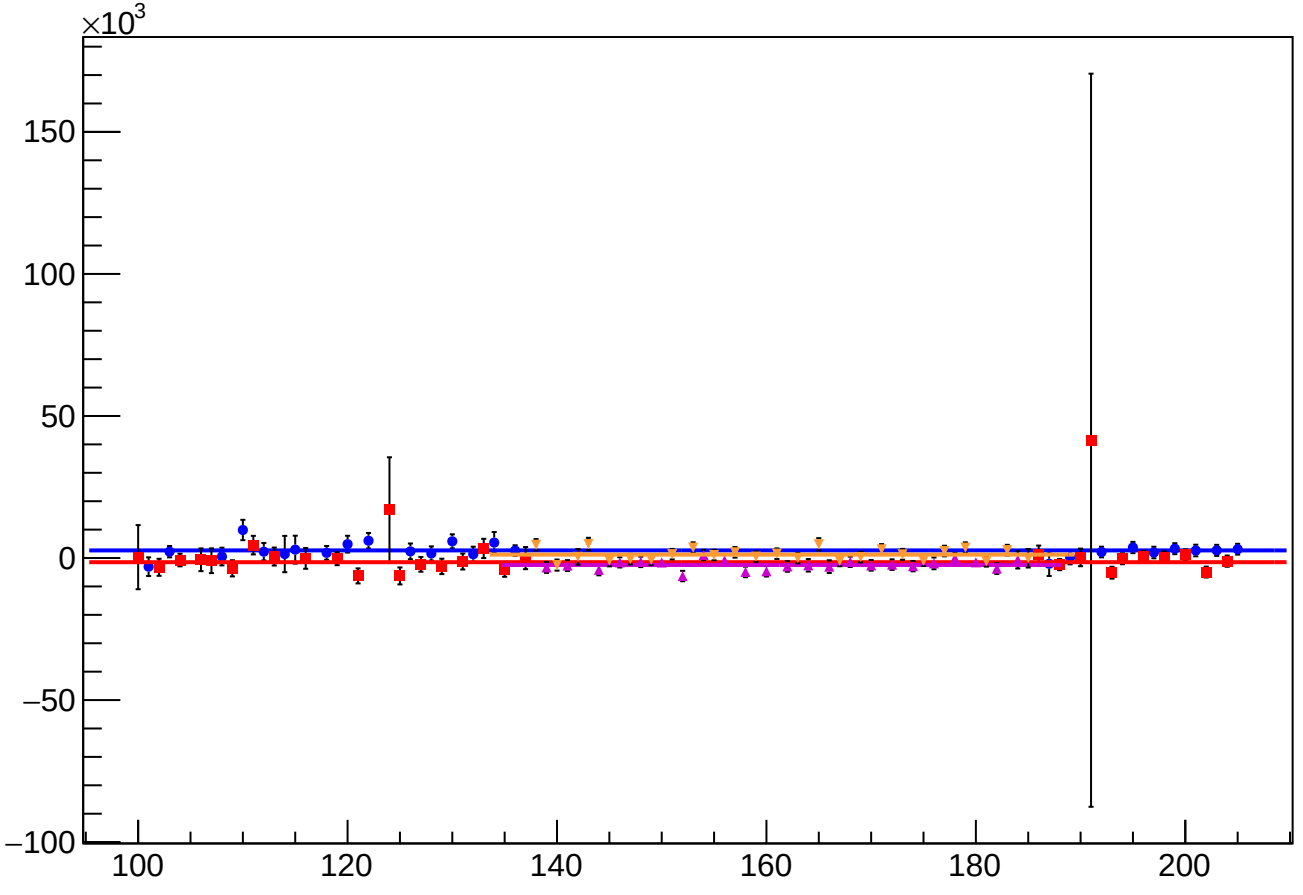
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15310622.2/49

All: 0.000+/-0.000 χ^2/NDF: 31420712.7/102

- sign 0.000+/-0.000 χ^2/NDF: 15992614.4/52

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2682.205+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1465.288+/-484.834 χ^2/NDF: 27.7/29

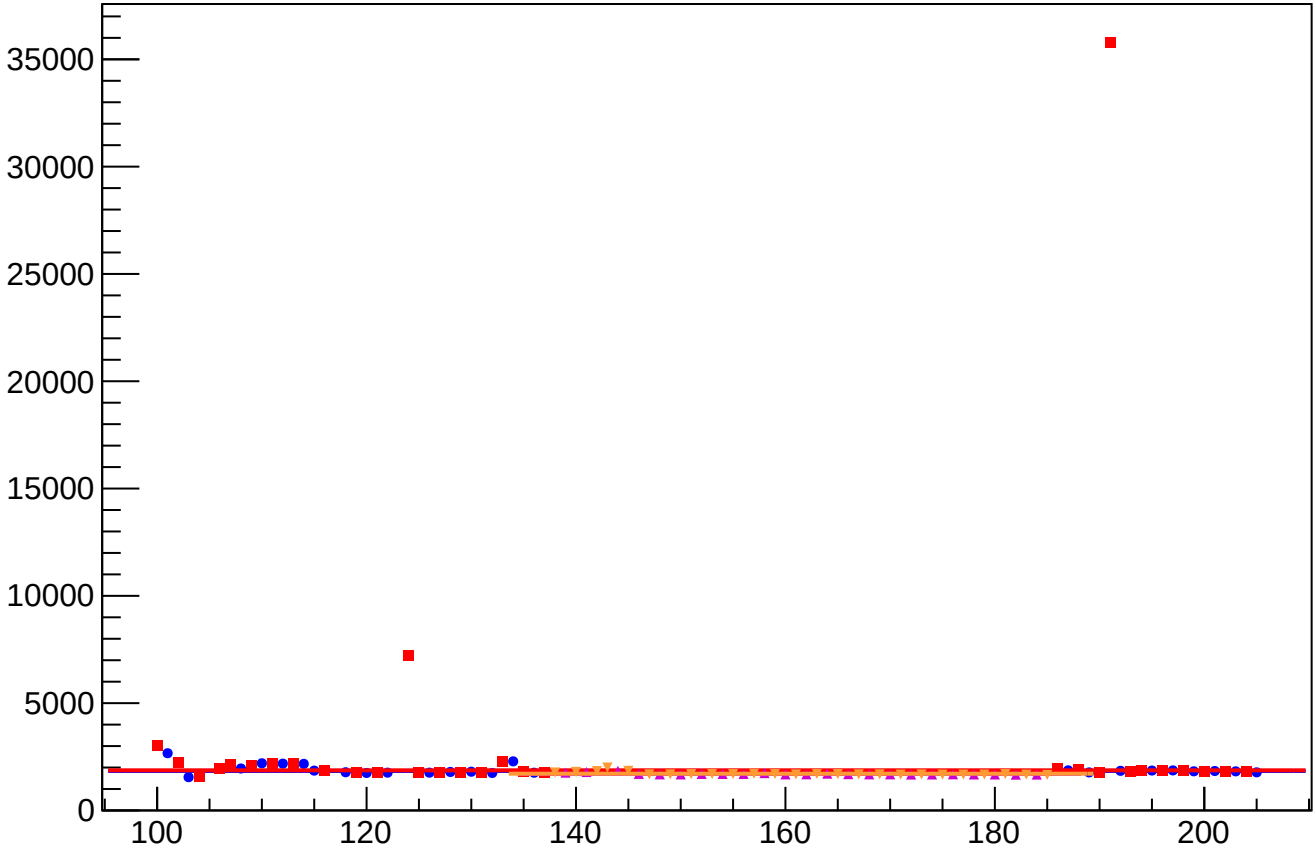
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1771.139+/-305.334 χ^2/NDF: 47.3/49

All: -123.770+/-216.704 χ^2/NDF: 172.5/102

- sign -2047.040+/-307.610 χ^2/NDF: 47.6/52

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.3/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.486+/-0.342 χ^2/NDF: 520444.5/29

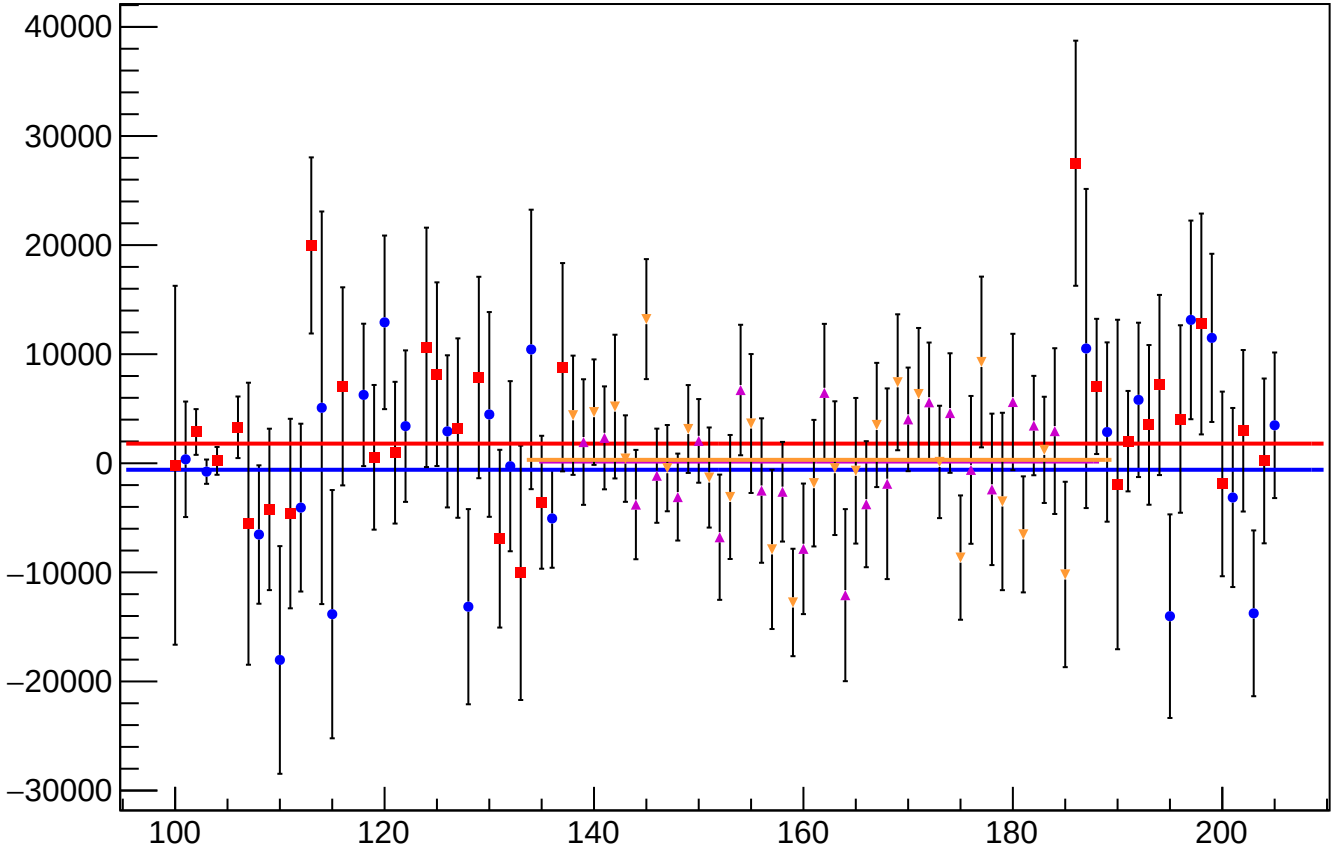
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.586+/-0.216 χ^2/NDF: 414288.0/49

All: 1766.104+/-0.153 χ^2/NDF: 1097627.7/10

- sign 1770.685+/-0.217 χ^2/NDF: 682458.0/52

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -595.522+/-907.985 χ^2/NDF: 25.8/24

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1801.829+/-850.058 χ^2/NDF: 22.2/29

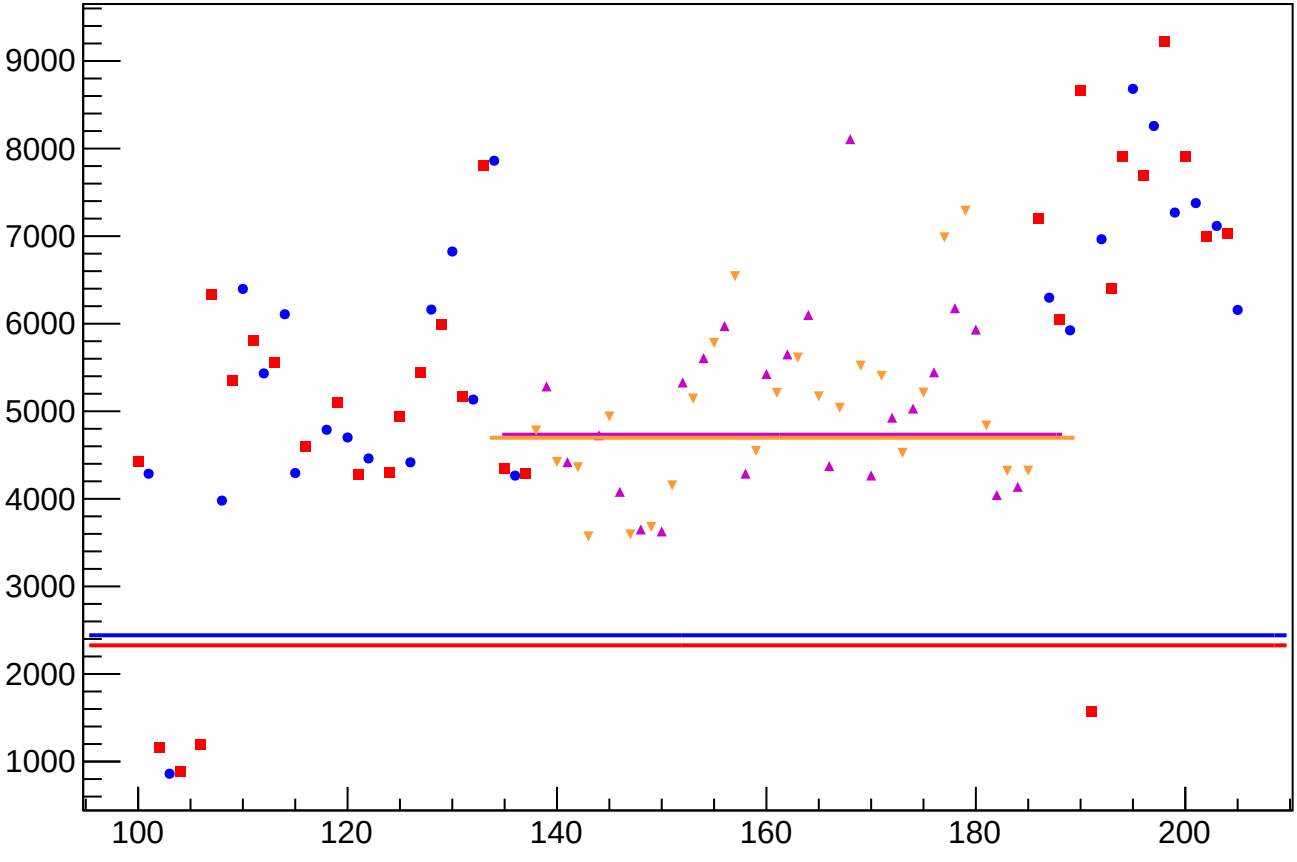
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -223.711+/-698.160 χ^2/NDF: 53.2/49

All: 511.429+/-486.747 χ^2/NDF: 93.7/102

- sign 1206.708+/-678.969 χ^2/NDF: 38.3/52

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2441.873+/-0.642 χ^2/NDF: 13474136.4/24

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

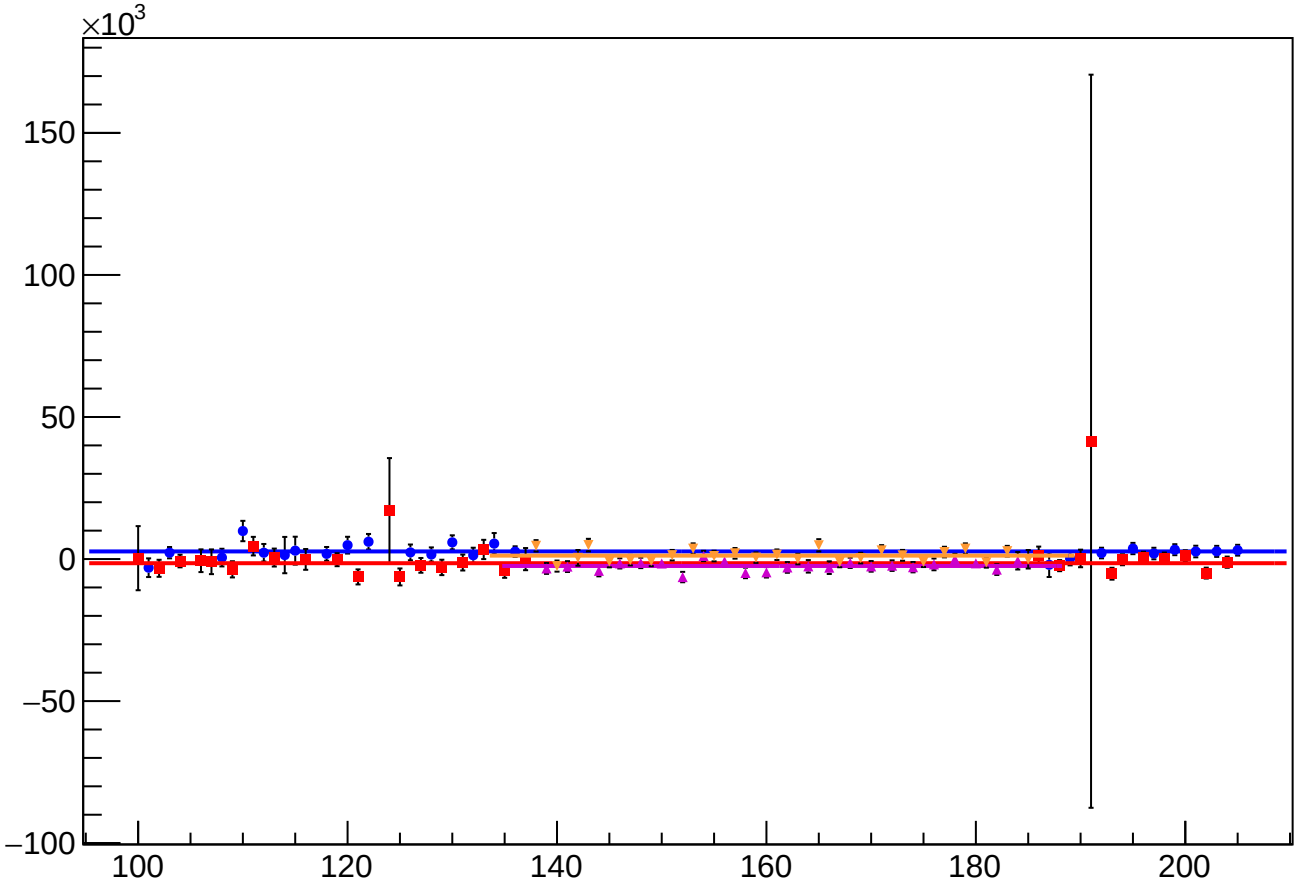
Right Out: 2326.835+/-0.601 χ^2/NDF: 14371233.6/29

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3363.967+/-0.494 χ^2/NDF: 19759402.1/49

All: 3278.528+/-0.344 χ^2/NDF: 41230218.8/1

- sign 3197.721+/-0.480 χ^2/NDF: 21412535.4/52



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1464.657+/-484.834 χ^2/NDF: 27.7/29

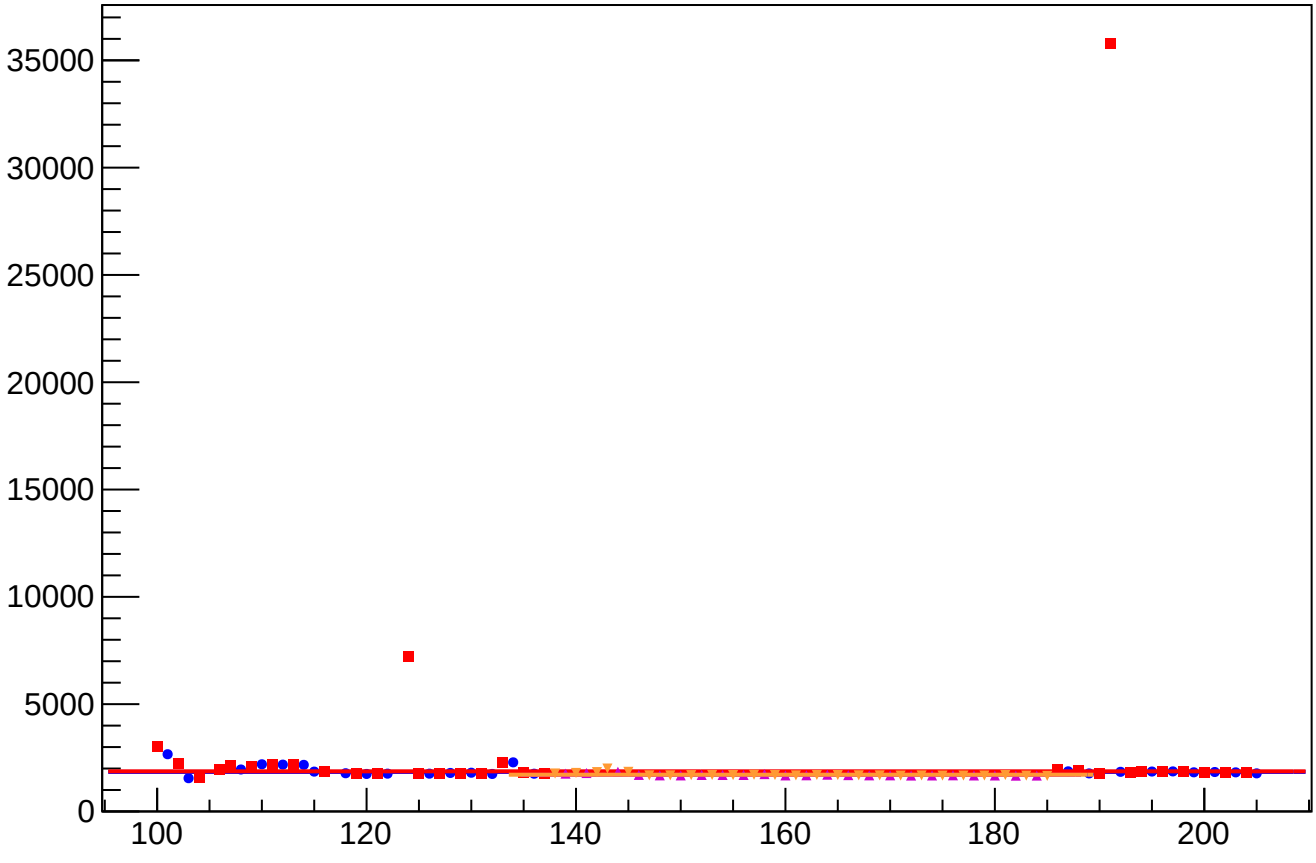
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1771.141+/-305.334 χ^2/NDF: 47.3/49

All: -123.623+/-216.704 χ^2/NDF: 172.5/102

- sign -2046.745+/-307.610 χ^2/NDF: 47.6/52

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

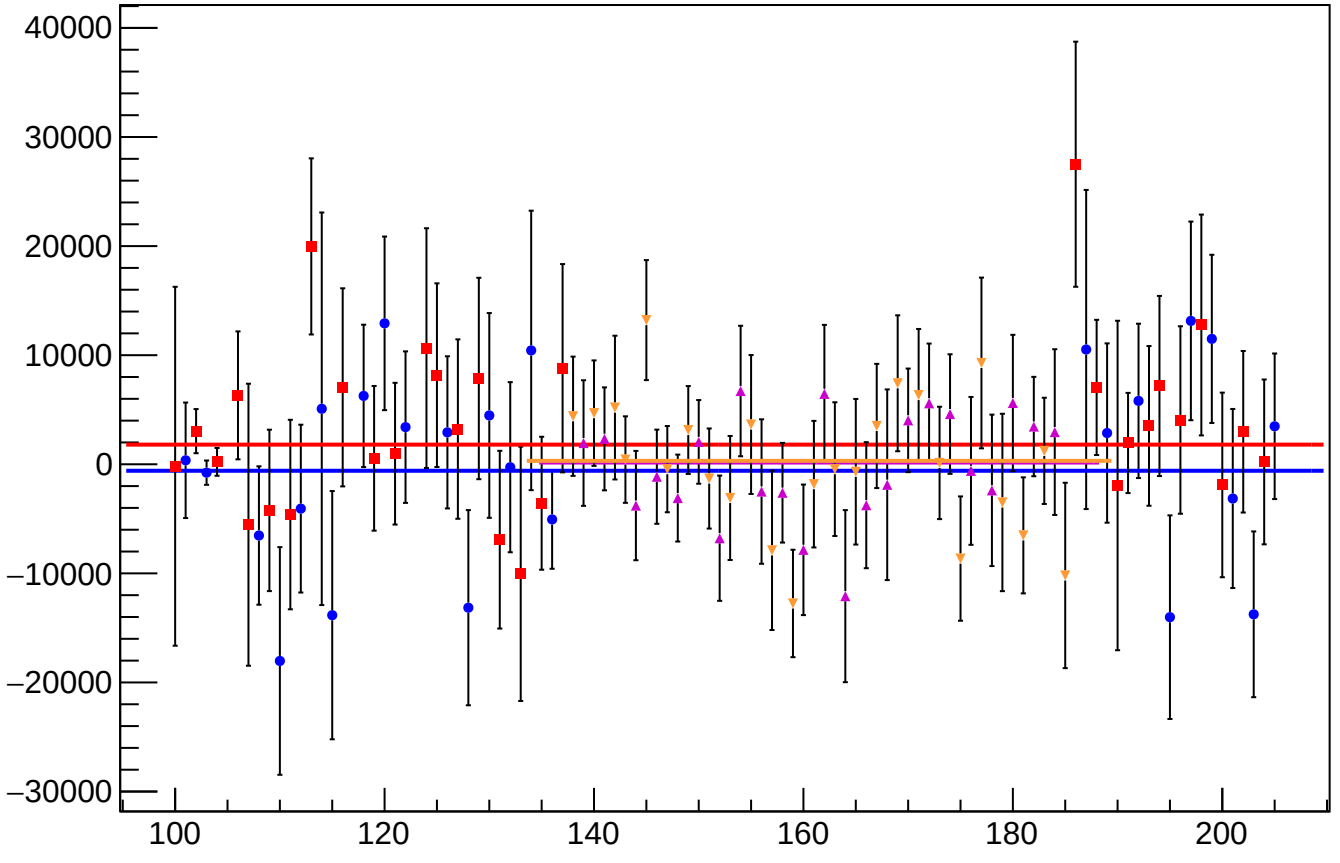
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.586+/-0.216 χ^2/NDF: 414287.9/49

All: 1766.142+/-0.153 χ^2/NDF: 1098303.2/10

- sign 1770.761+/-0.217 χ^2/NDF: 683118.7/52

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1800.326+/-875.558 χ^2/NDF: 22.7/29

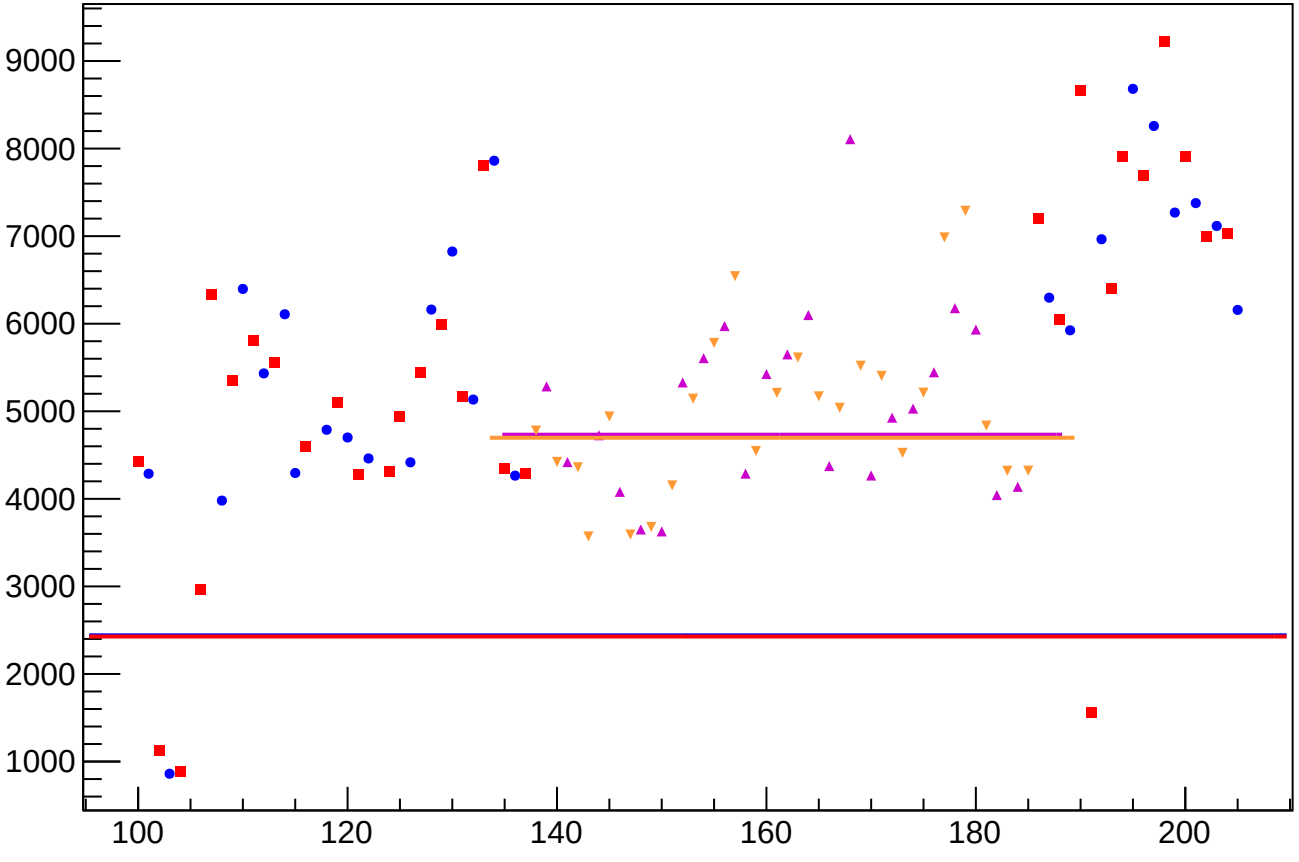
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -223.470+/-698.140 χ^2/NDF: 53.2/49

All: 486.305+/-491.386 χ^2/NDF: 94.0/102

- sign 1183.151+/-691.753 χ^2/NDF: 38.7/52

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2427.887+/-0.619 χ^2/NDF: 14135871.7/29

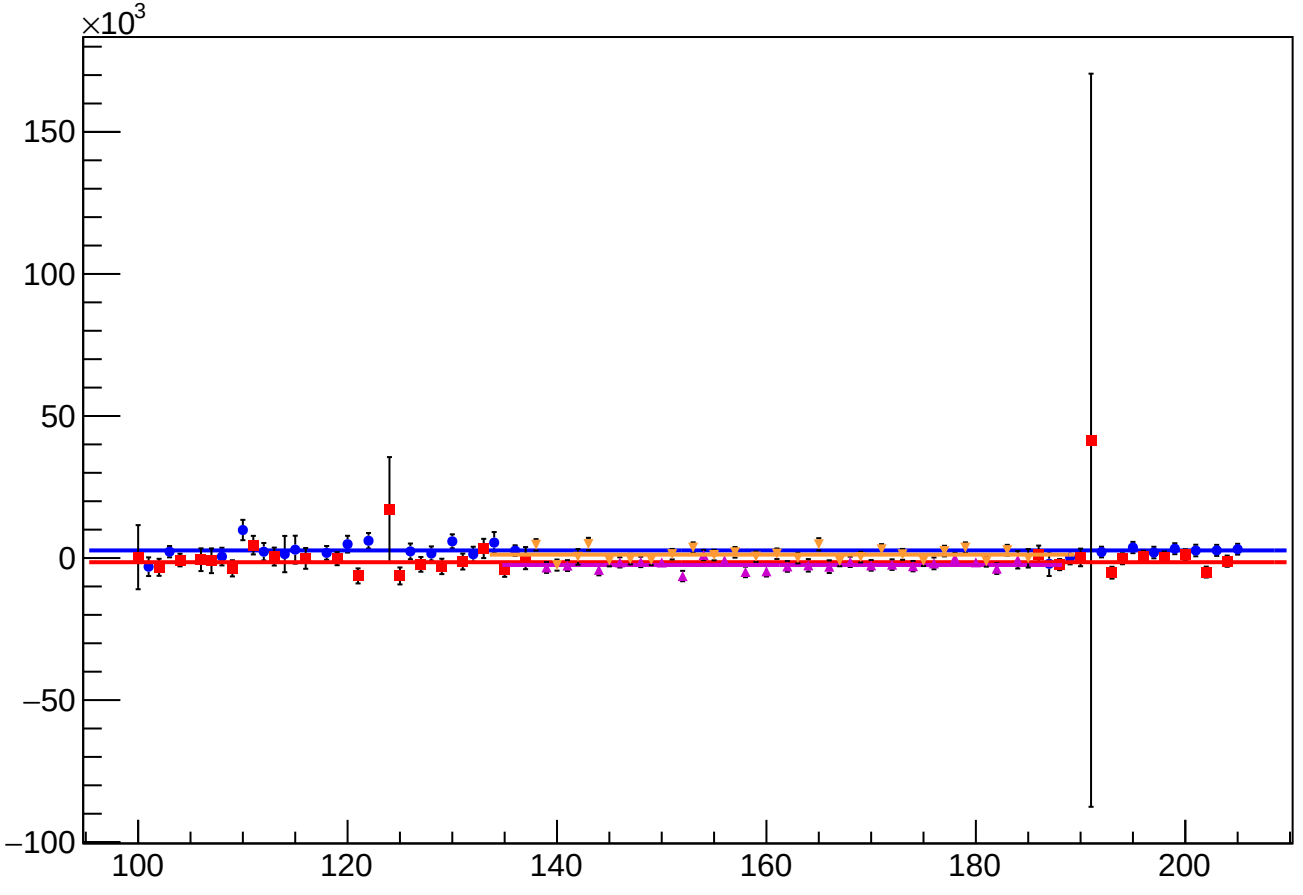
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3363.798+/-0.494 χ^2/NDF: 19761351.6/49

All: 3328.529+/-0.347 χ^2/NDF: 40356931.1/1

- sign 3293.902+/-0.489 χ^2/NDF: 20585463.8/52

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1464.657+/-484.834 χ^2/NDF: 27.7/29

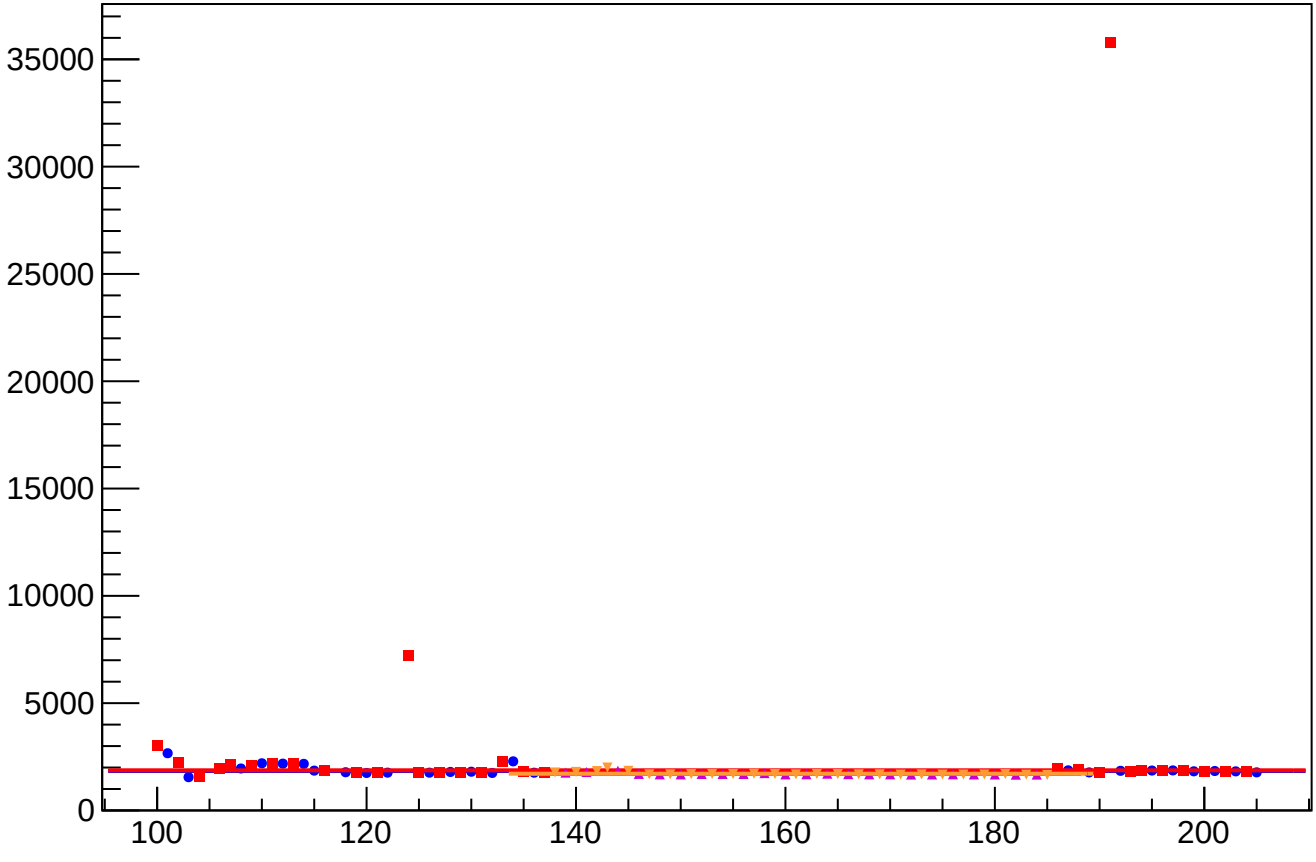
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1771.141+/-305.334 χ^2/NDF: 47.3/49

All: -123.623+/-216.704 χ^2/NDF: 172.5/102

- sign -2046.745+/-307.610 χ^2/NDF: 47.6/52

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

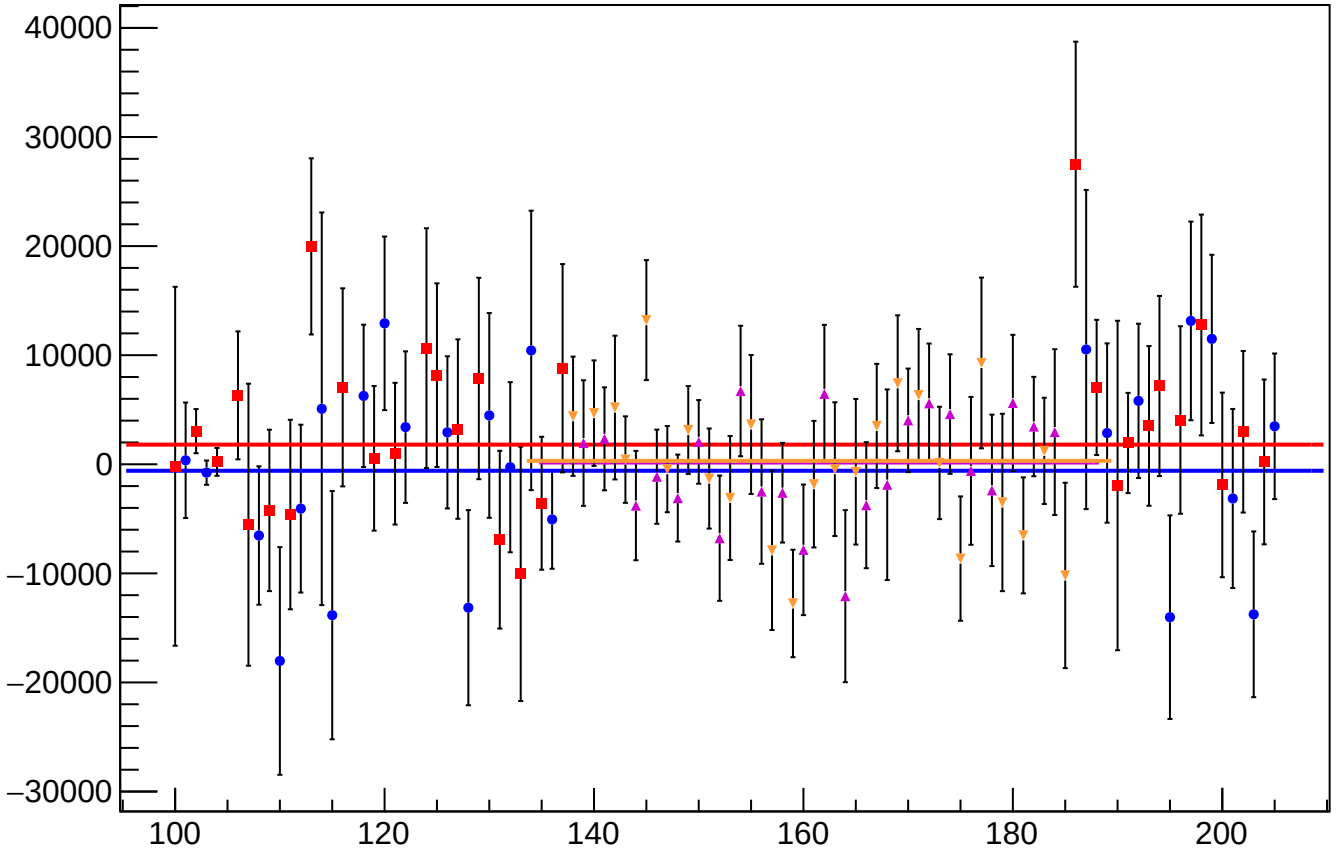
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.586+/-0.216 χ^2/NDF: 414287.9/49

All: 1766.142+/-0.153 χ^2/NDF: 1098303.2/10

- sign 1770.761+/-0.217 χ^2/NDF: 683118.7/52

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

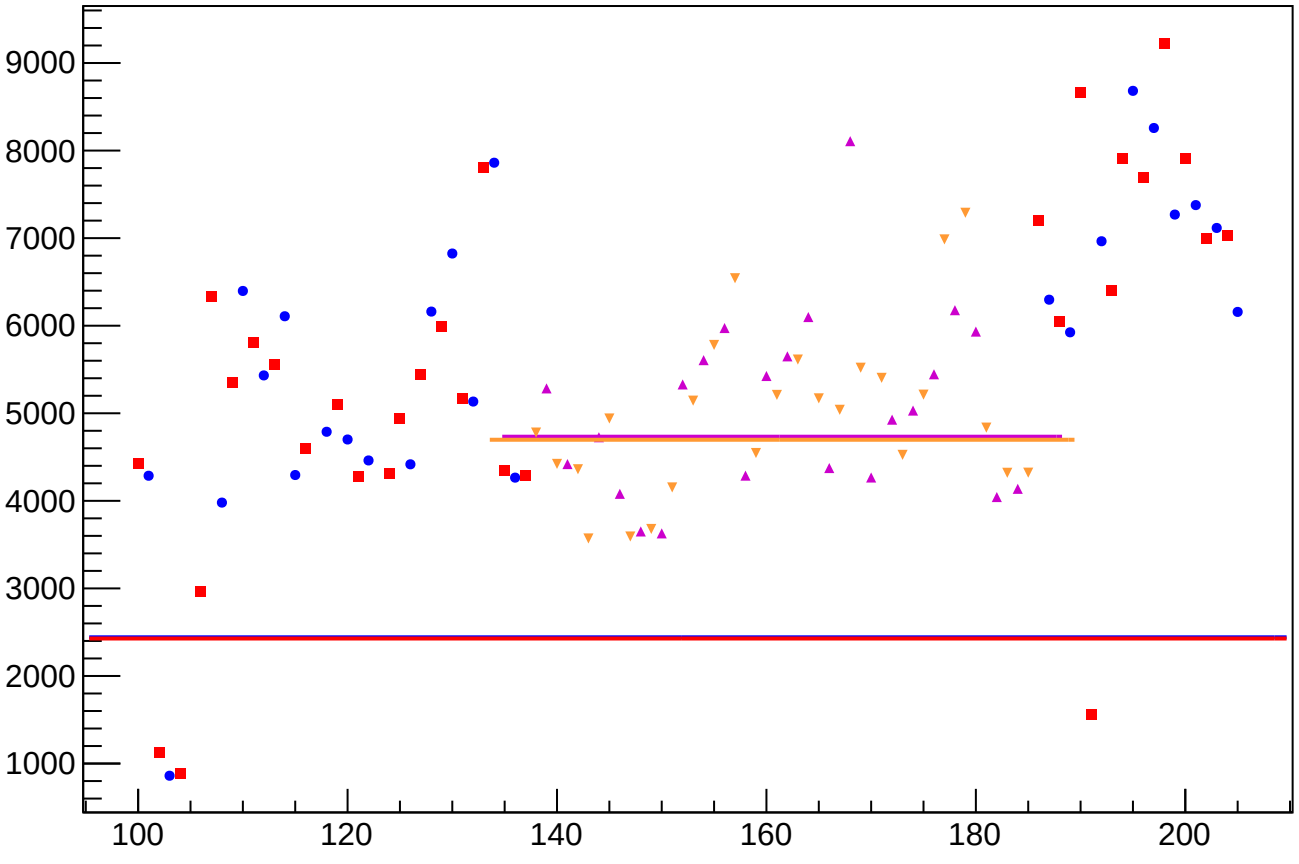
Right Out: 1800.326+/-875.558 χ^2/NDF: 22.7/29

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -223.470+/-698.140 χ^2/NDF: 53.2/49

All: 486.305+/-491.386 χ^2/NDF: 94.0/102

- sign 1183.151+/-691.753 χ^2/NDF: 38.7/52



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2427.887+/-0.619 χ^2/NDF: 14135871.7/29

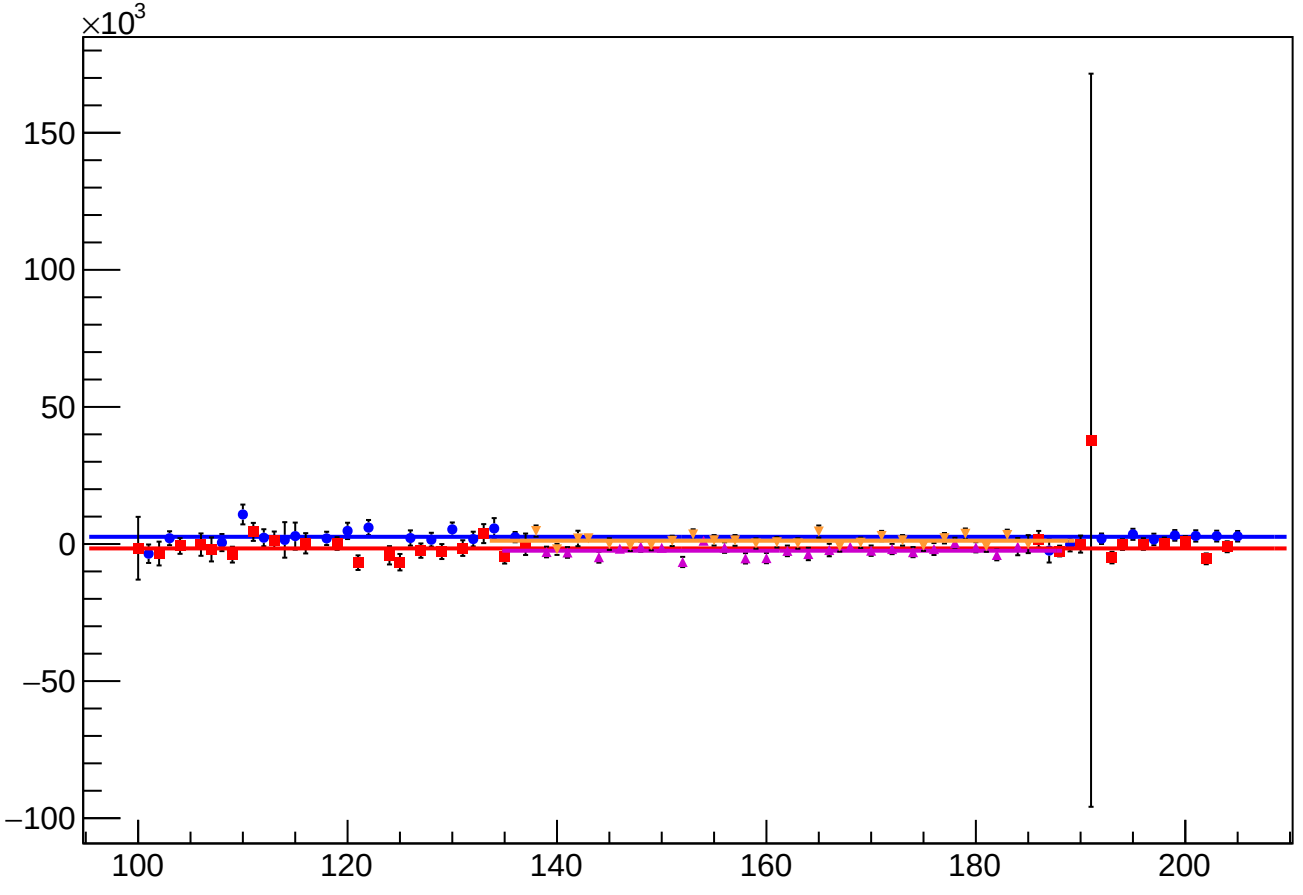
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3363.798+/-0.494 χ^2/NDF: 19761351.6/49

All: 3328.529+/-0.347 χ^2/NDF: 40356931.1/1

- sign 3293.902+/-0.489 χ^2/NDF: 20585463.8/52

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2628.005+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1608.590+/-493.263 χ^2/NDF: 29.2/29

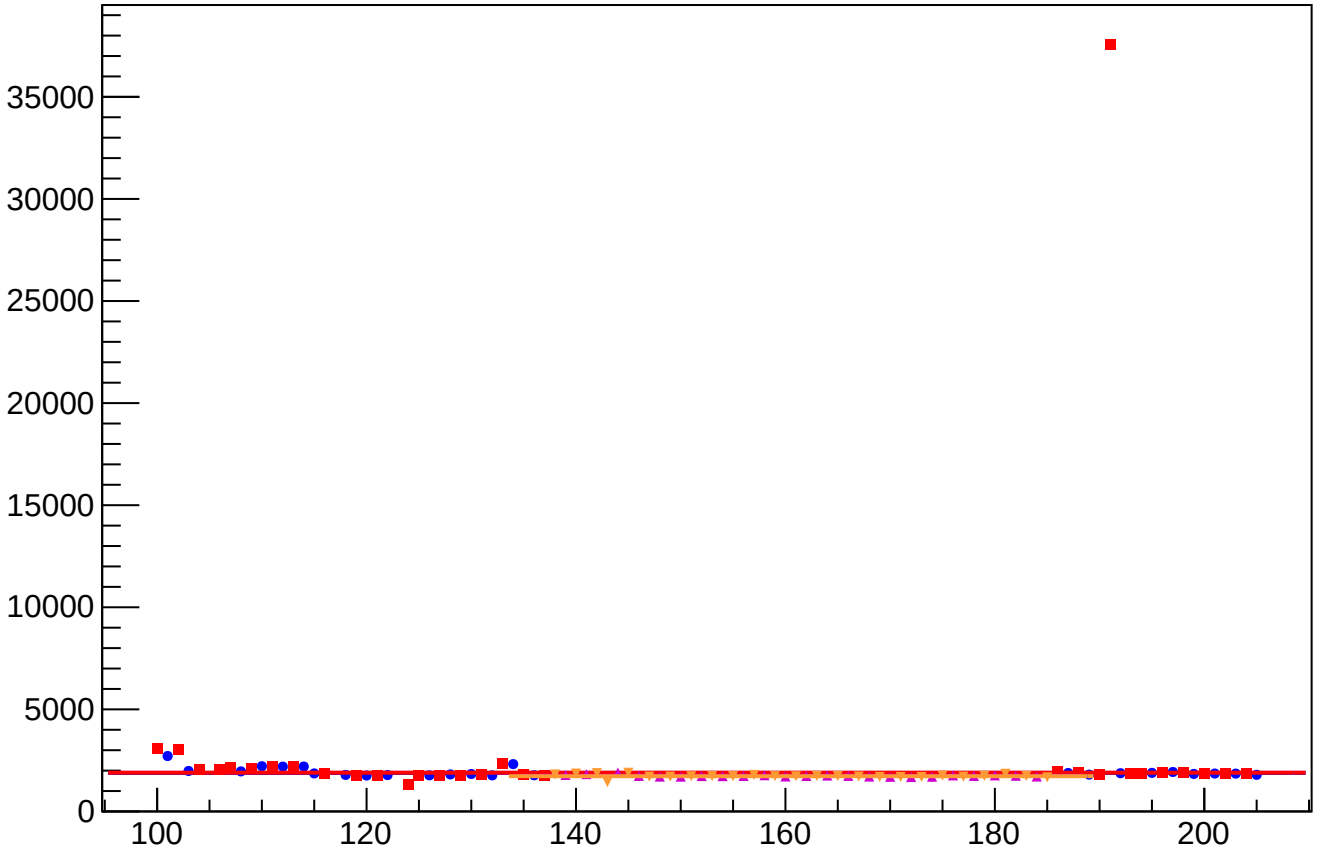
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1737.426+/-310.058 χ^2/NDF: 41.0/49

All: -156.684+/-220.688 χ^2/NDF: 168.1/102

- sign -2101.542+/-314.184 χ^2/NDF: 51.5/52

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.8/24

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501323.8/29

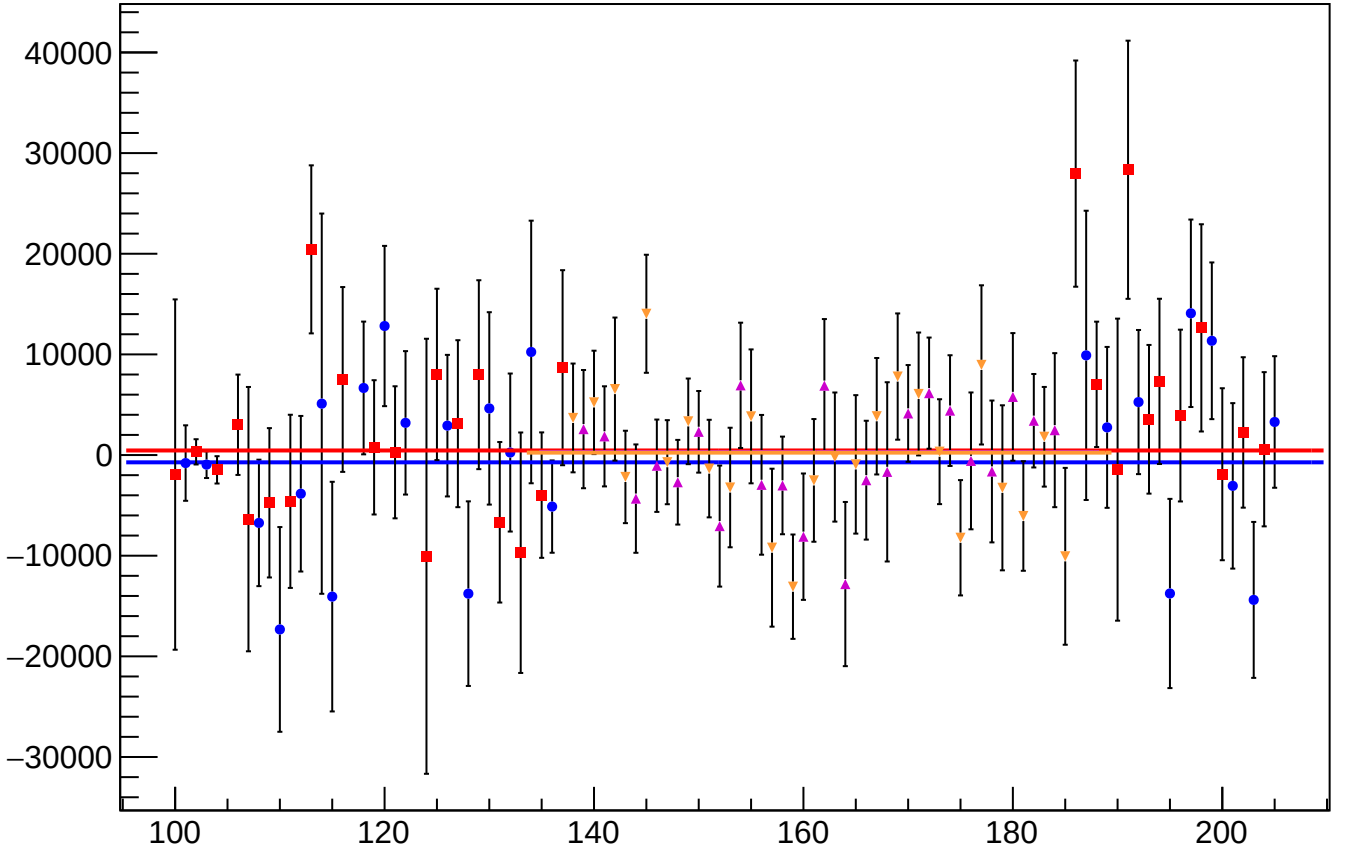
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1787.667+/-0.219 χ^2/NDF: 465146.3/49

All: 1797.296+/-0.156 χ^2/NDF: 1113233.1/10

- sign 1807.180+/-0.222 χ^2/NDF: 644178.1/52

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -723.759+/-998.138 χ^2/NDF: 25.8/24

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 454.751+/-795.255 χ^2/NDF: 28.7/29

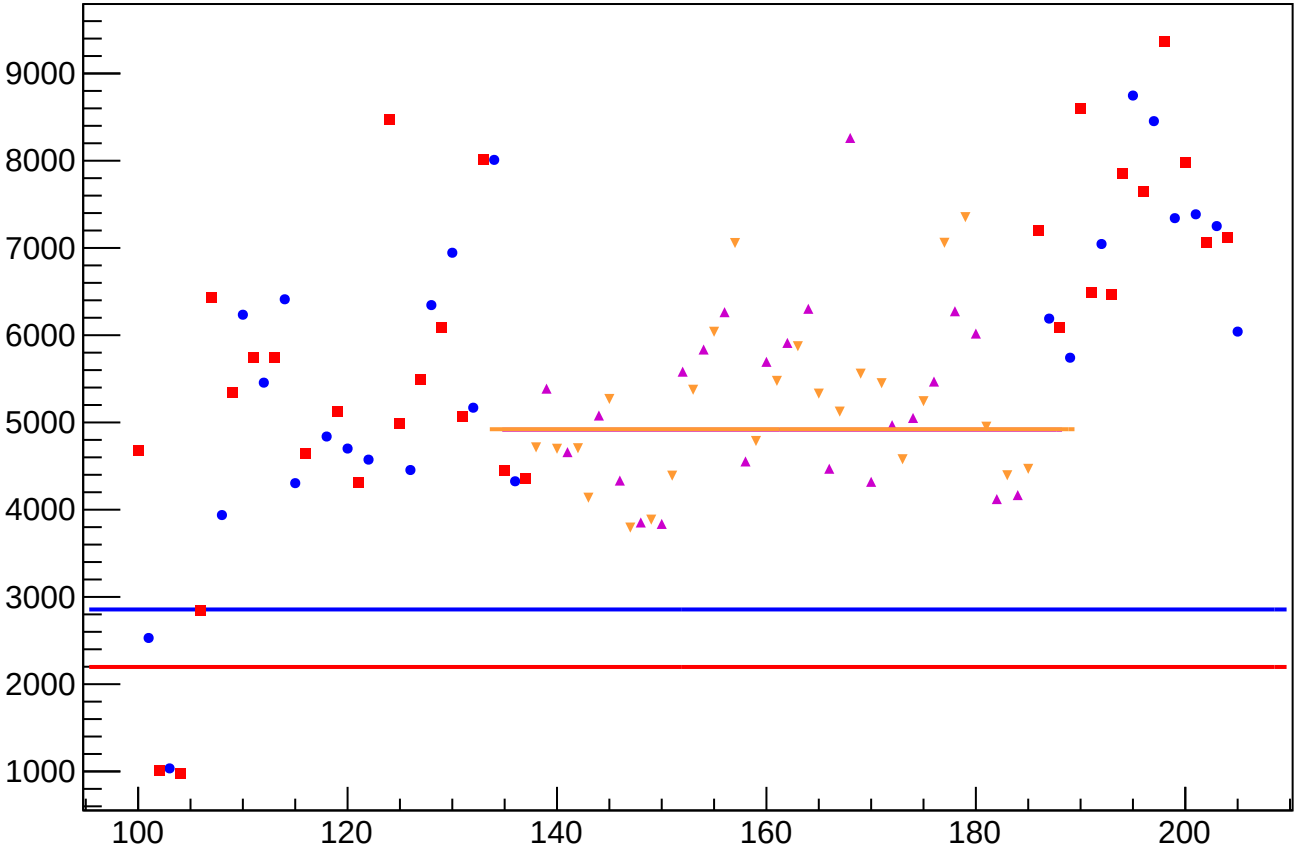
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -305.451+/-751.241 χ^2/NDF: 52.9/49

All: 98.239+/-494.931 χ^2/NDF: 96.6/102

- sign 407.834+/-657.888 χ^2/NDF: 43.2/52

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2856.406+/-0.706 χ^2/NDF: 11178184.8/24

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2197.275+/-0.562 χ^2/NDF: 15391695.9/29

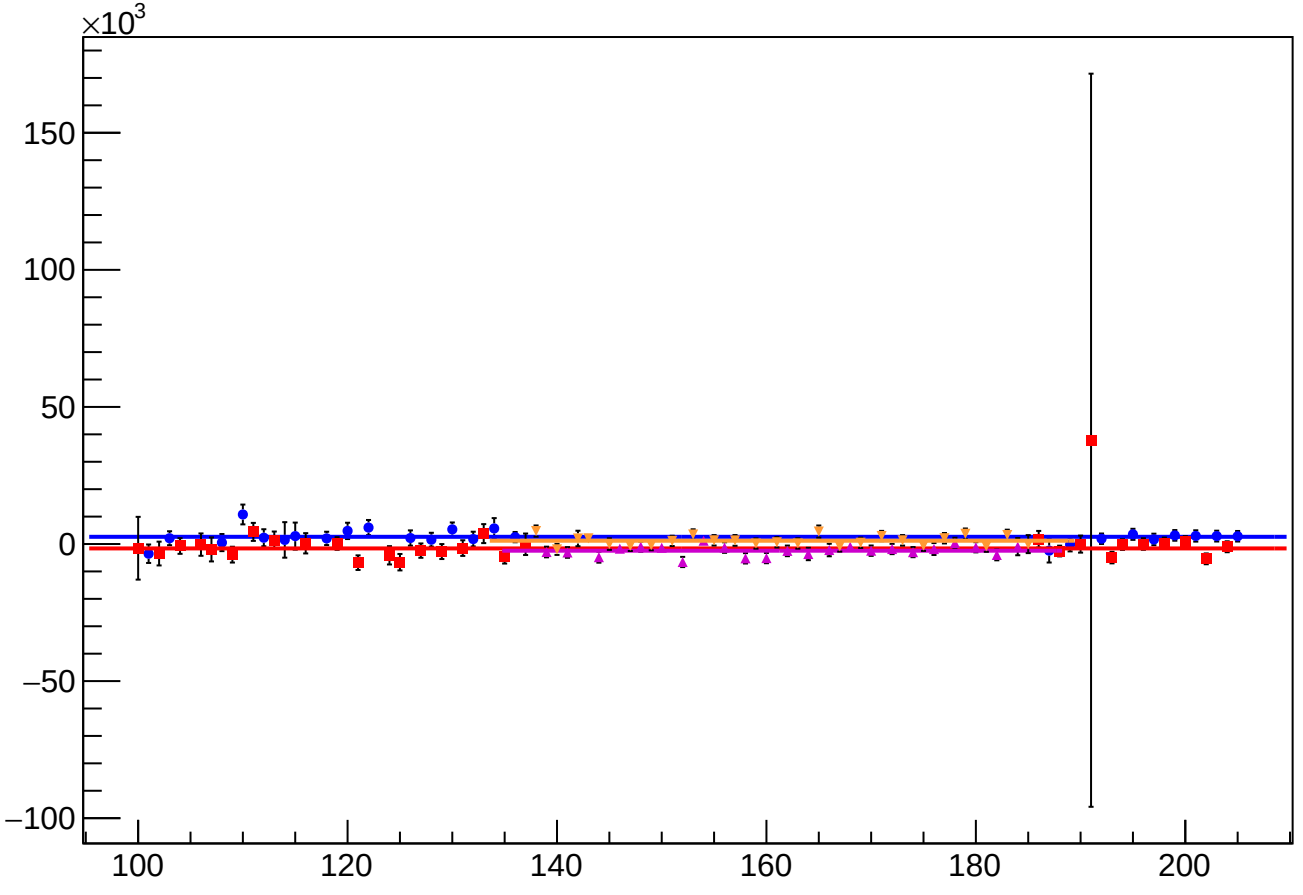
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3752.065+/-0.531 χ^2/NDF: 15943229.8/49

All: 3357.944+/-0.350 χ^2/NDF: 40852184.2/1

- sign 3055.688+/-0.465 χ^2/NDF: 23936330.2/52

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2628.003+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1608.591+/-493.263 χ^2/NDF: 29.2/29

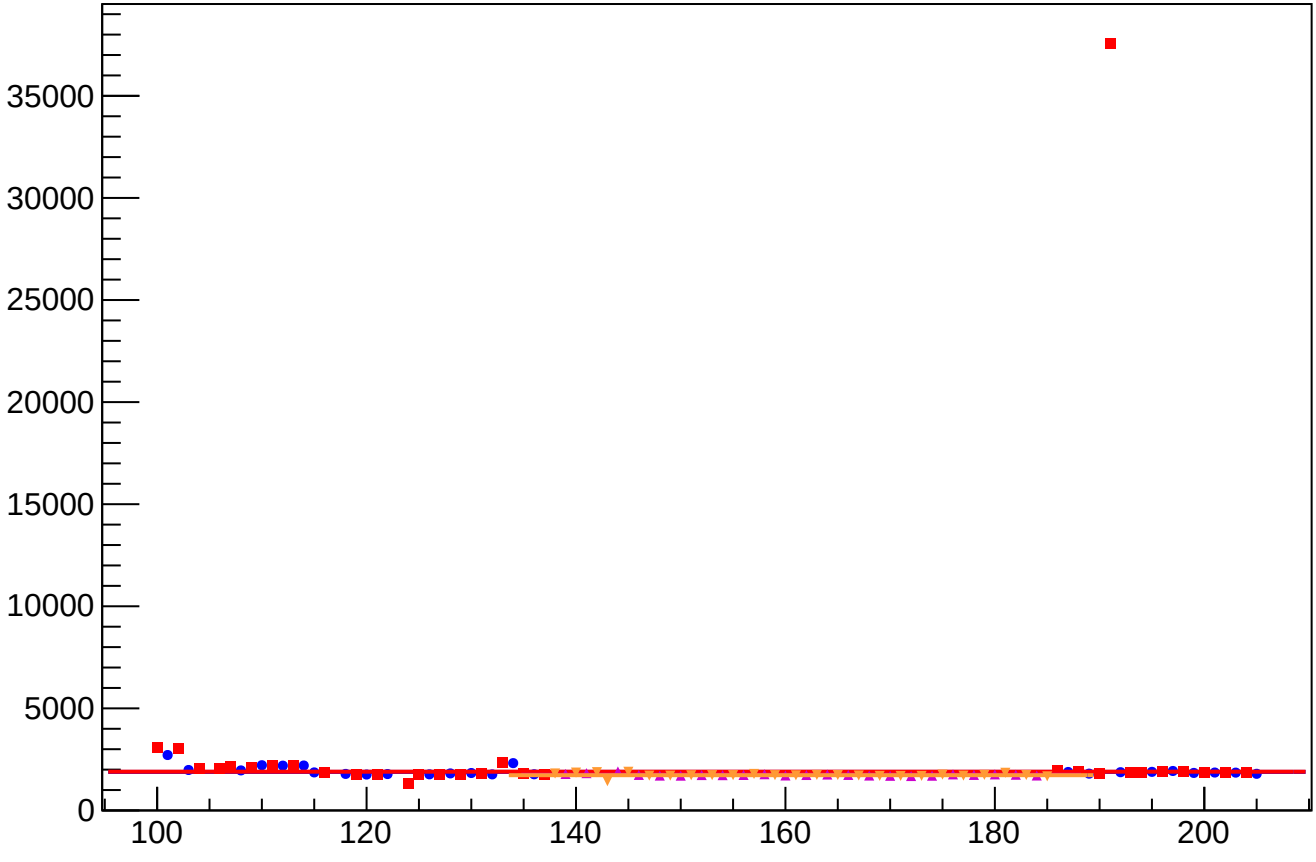
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1737.422+/-310.058 χ^2/NDF: 41.0/49

All: -156.686+/-220.688 χ^2/NDF: 168.1/102

- sign -2101.542+/-314.184 χ^2/NDF: 51.5/52

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.9/24

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

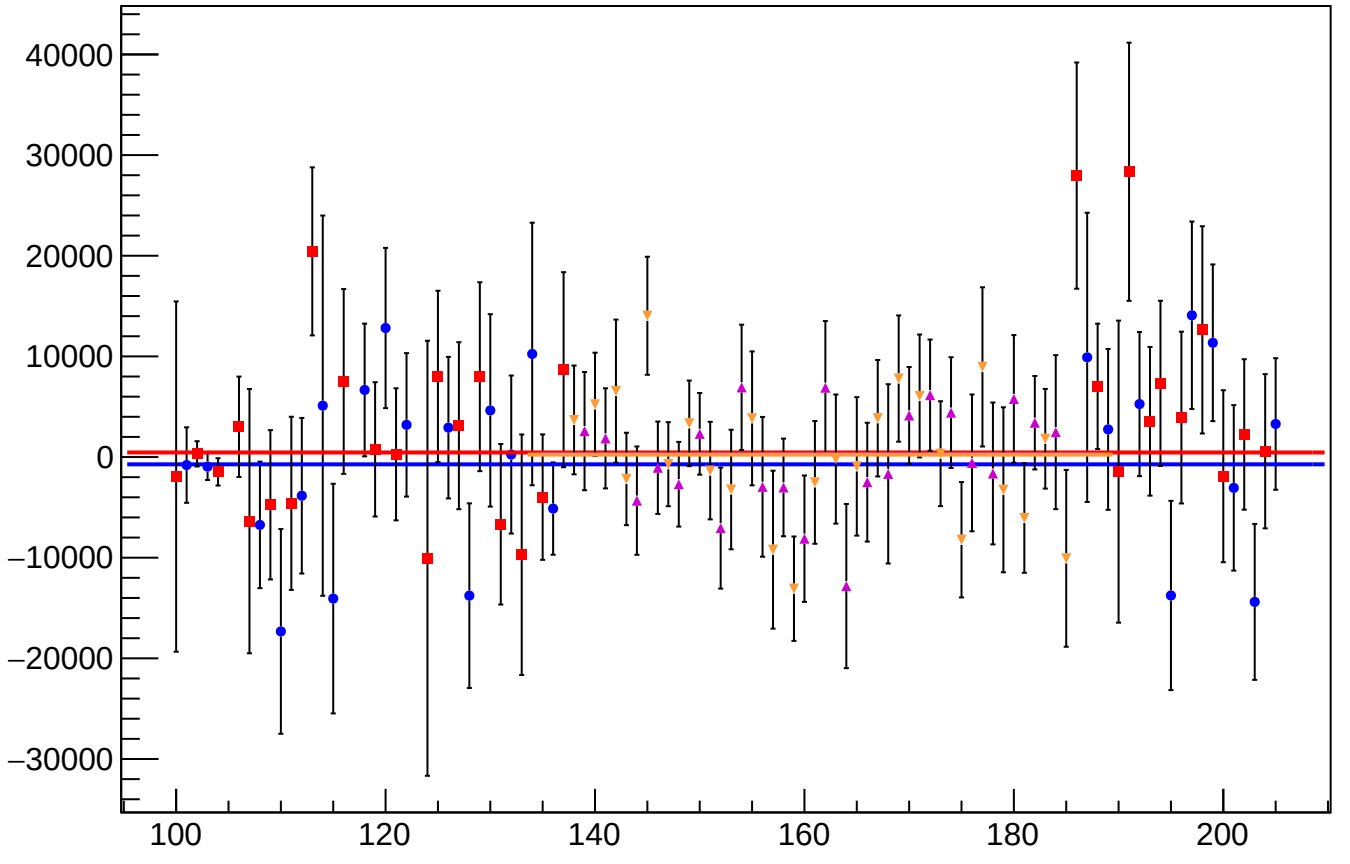
Right Out: 1898.731+/-0.349 χ^2/NDF: 501322.5/29

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1787.667+/-0.219 χ^2/NDF: 465143.4/49

All: 1797.296+/-0.156 χ^2/NDF: 1113227.7/10

- sign 1807.180+/-0.222 χ^2/NDF: 644175.6/52



Right In: -723.757+/-998.137 χ^2/NDF: 25.8/24

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 454.755+/-795.255 χ^2/NDF: 28.7/29

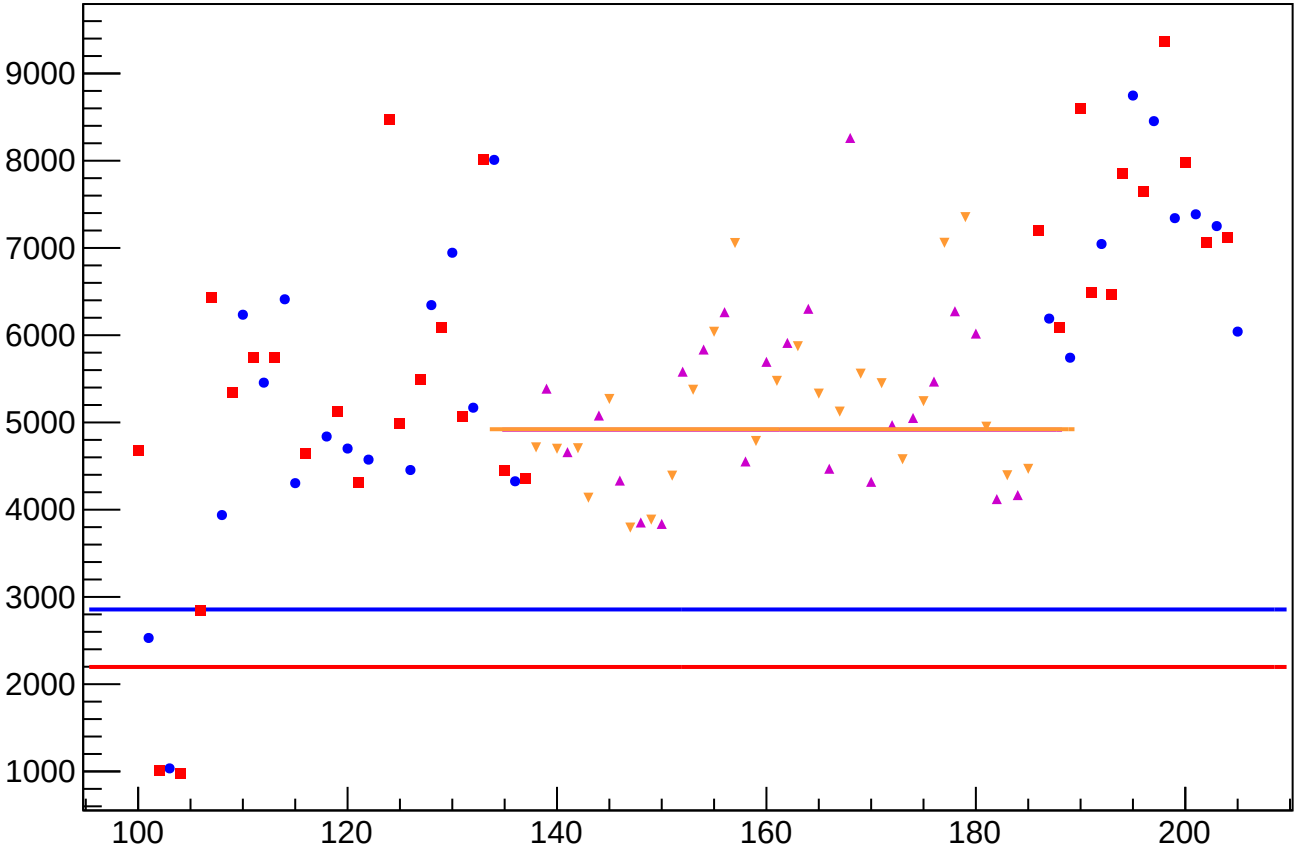
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -305.453+/-751.242 χ^2/NDF: 52.9/49

All: 98.241+/-494.931 χ^2/NDF: 96.6/102

- sign 407.838+/-657.888 χ^2/NDF: 43.2/52

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2856.404+/-0.706 χ^2/NDF: 11178190.0/24

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2197.274+/-0.562 χ^2/NDF: 15391695.9/29

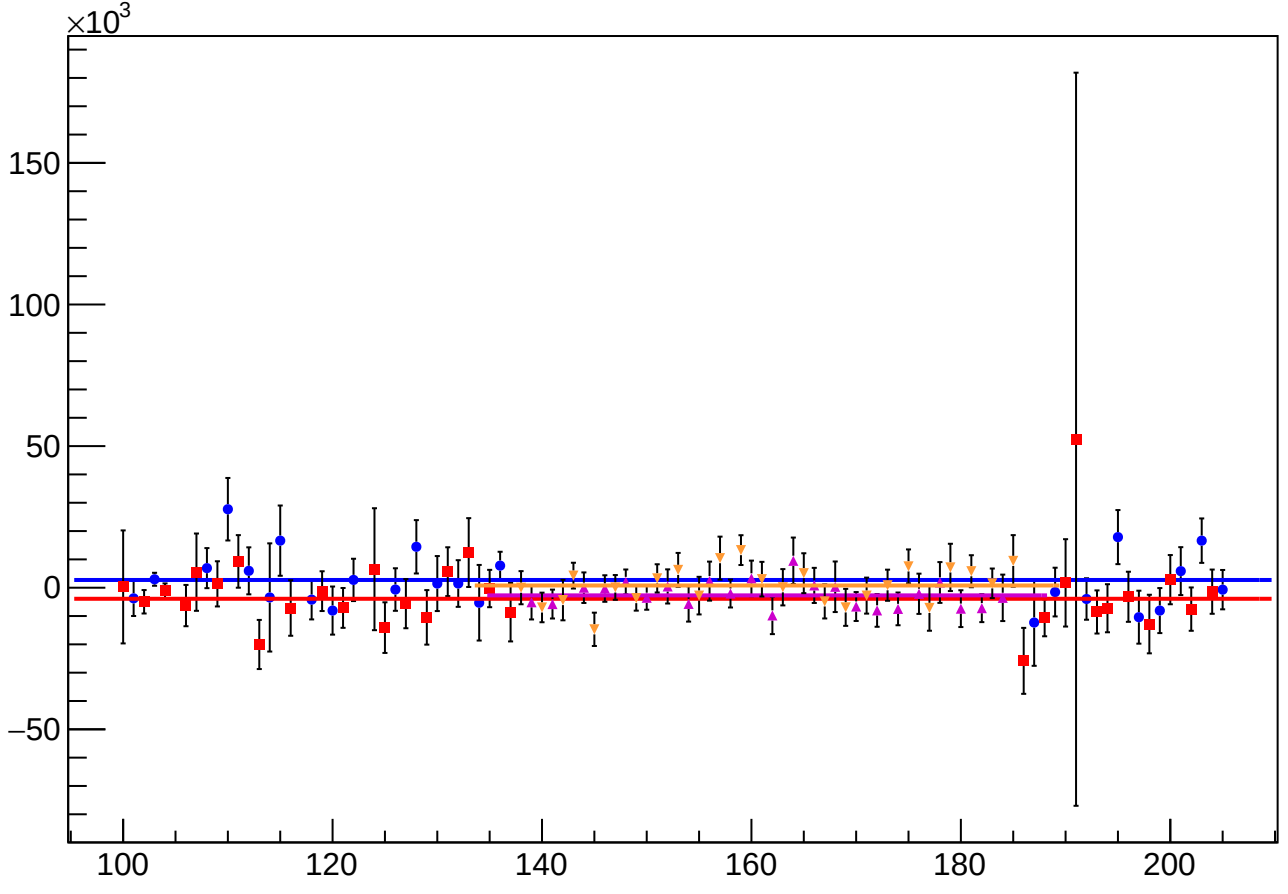
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3752.065+/-0.531 χ^2/NDF: 15943266.7/49

All: 3357.943+/-0.350 χ^2/NDF: 40852260.1/1

- sign 3055.687+/-0.465 χ^2/NDF: 23936366.9/52

asym_atl1r2_avg_mean vs Slug



Right In: 2731.593+/-1351.259 χ^2/NDF: 25.8/24

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3908.816+/-1348.067 χ^2/NDF: 21.0/29

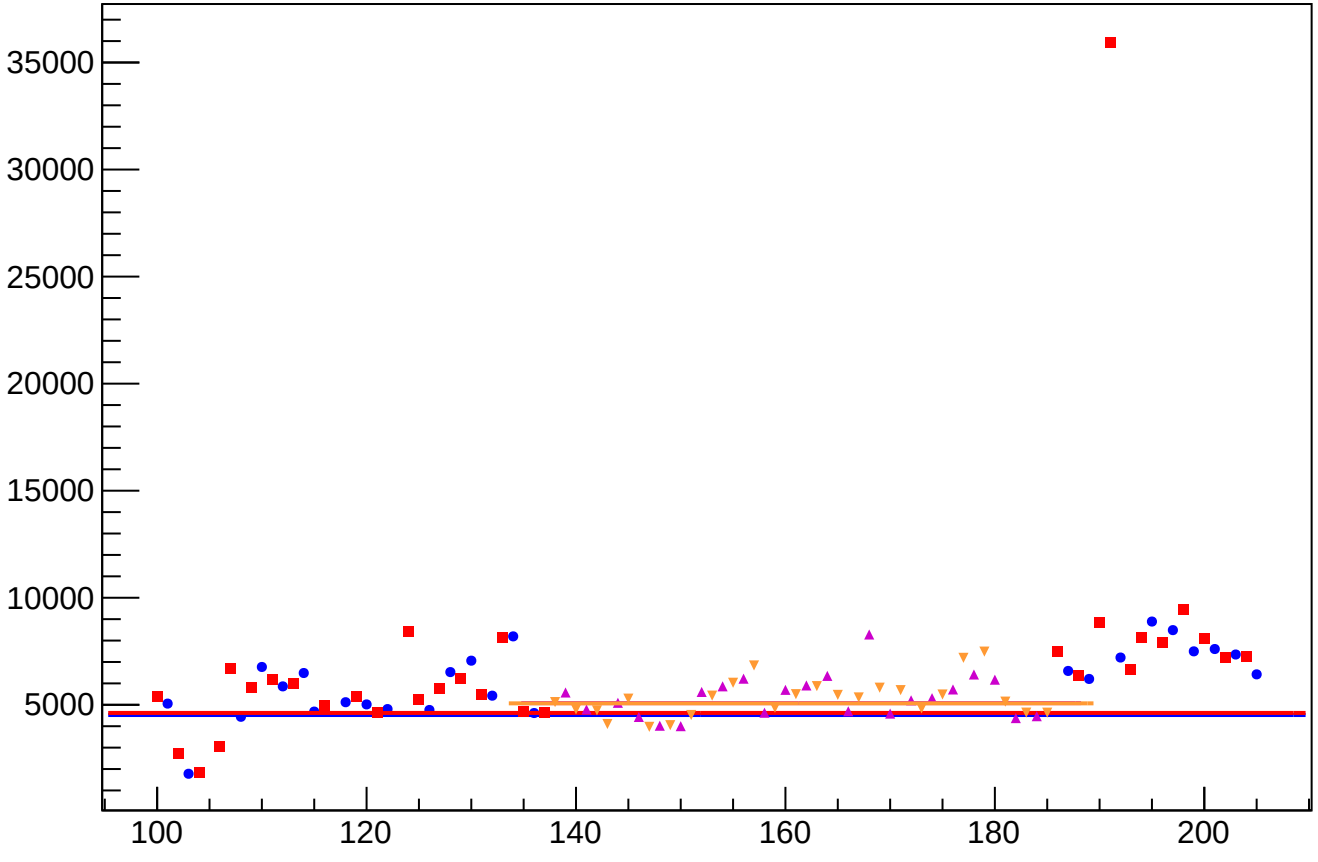
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1622.363+/-885.357 χ^2/NDF: 54.6/49

All: -772.118+/-630.787 χ^2/NDF: 102.7/102

- sign -3240.588+/-898.932 χ^2/NDF: 33.3/52

asym_atl1r2_avg_rms vs Slug



Right In: 4522.821+/-0.955 χ^2/NDF: 5581523.9/24

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4620.328+/-0.946 χ^2/NDF: 5913520.7/29

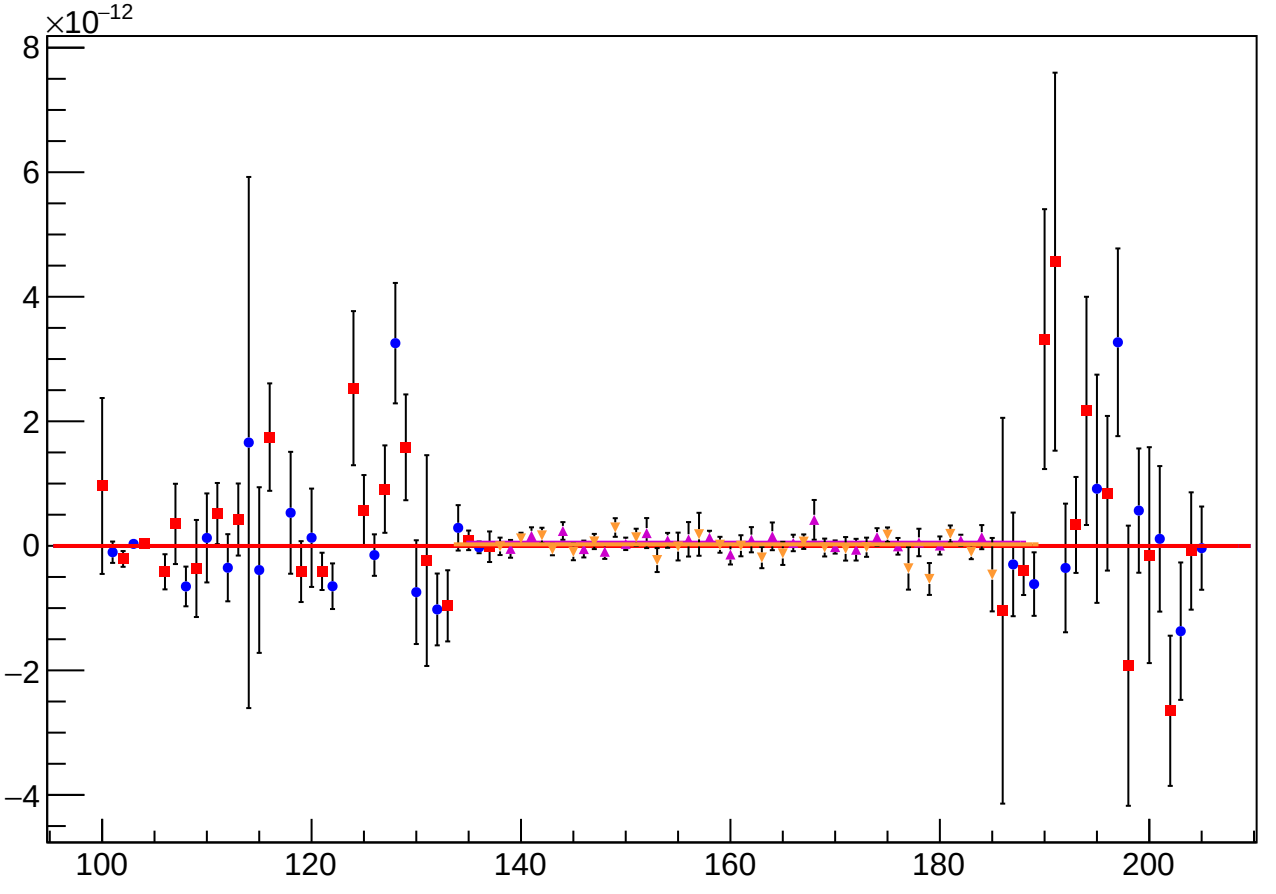
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4833.897+/-0.626 χ^2/NDF: 6721505.3/49

All: 4853.572+/-0.445 χ^2/NDF: 13768334.2/1

- sign 4873.719+/-0.633 χ^2/NDF: 7044829.7/52

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

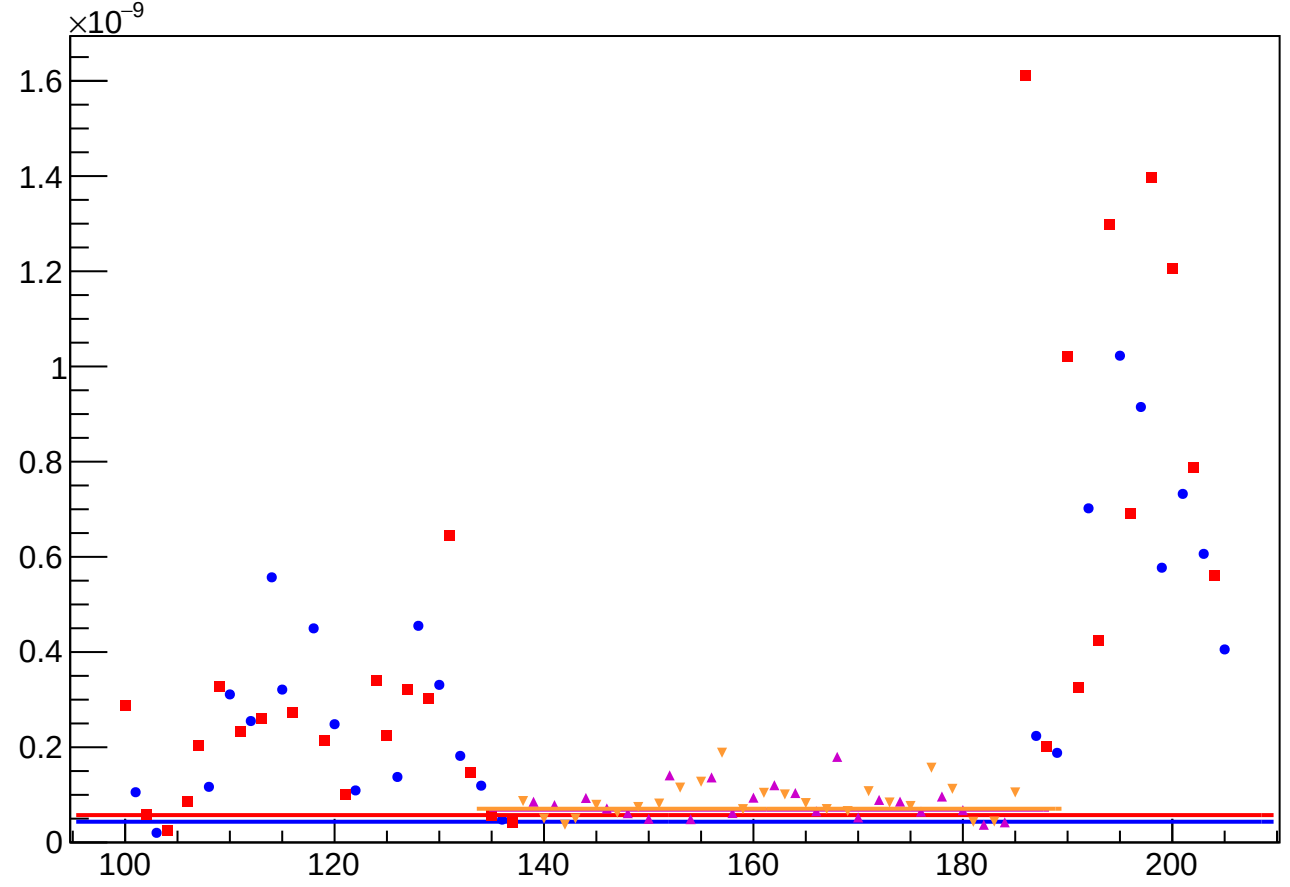
Right Out: -0.000+/-0.000 χ^2/NDF: 41.8/29

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.9/49

All: 0.000+/-0.000 χ^2/NDF: 112.0/102

- sign 0.000+/-0.000 χ^2/NDF: 53.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 7871975.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8968724.2/29

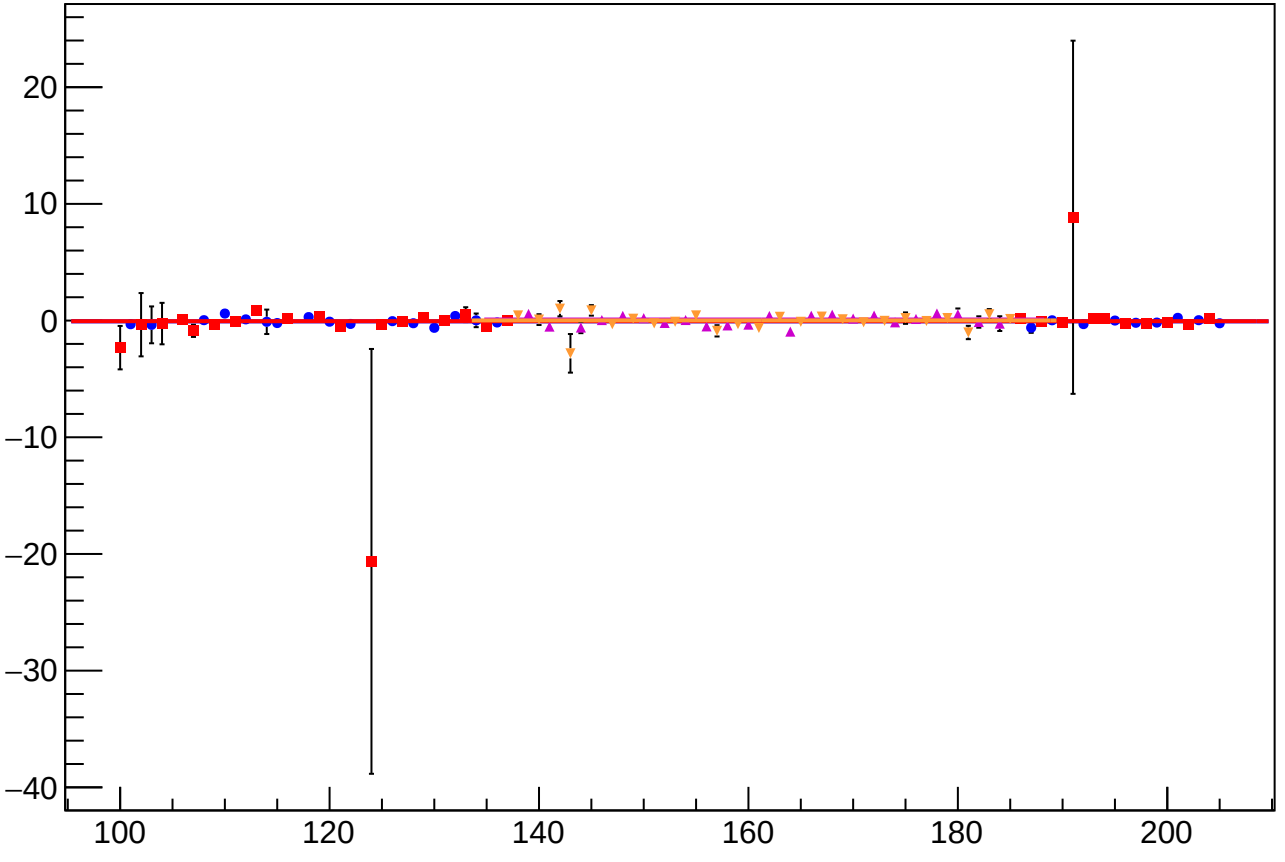
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10059658.1/49

All: 0.000+/-0.000 χ^2/NDF: 20601685.5/102

- sign 0.000+/-0.000 χ^2/NDF: 10492781.9/52

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.052+/-0.053 χ^2/NDF: 29.7/29

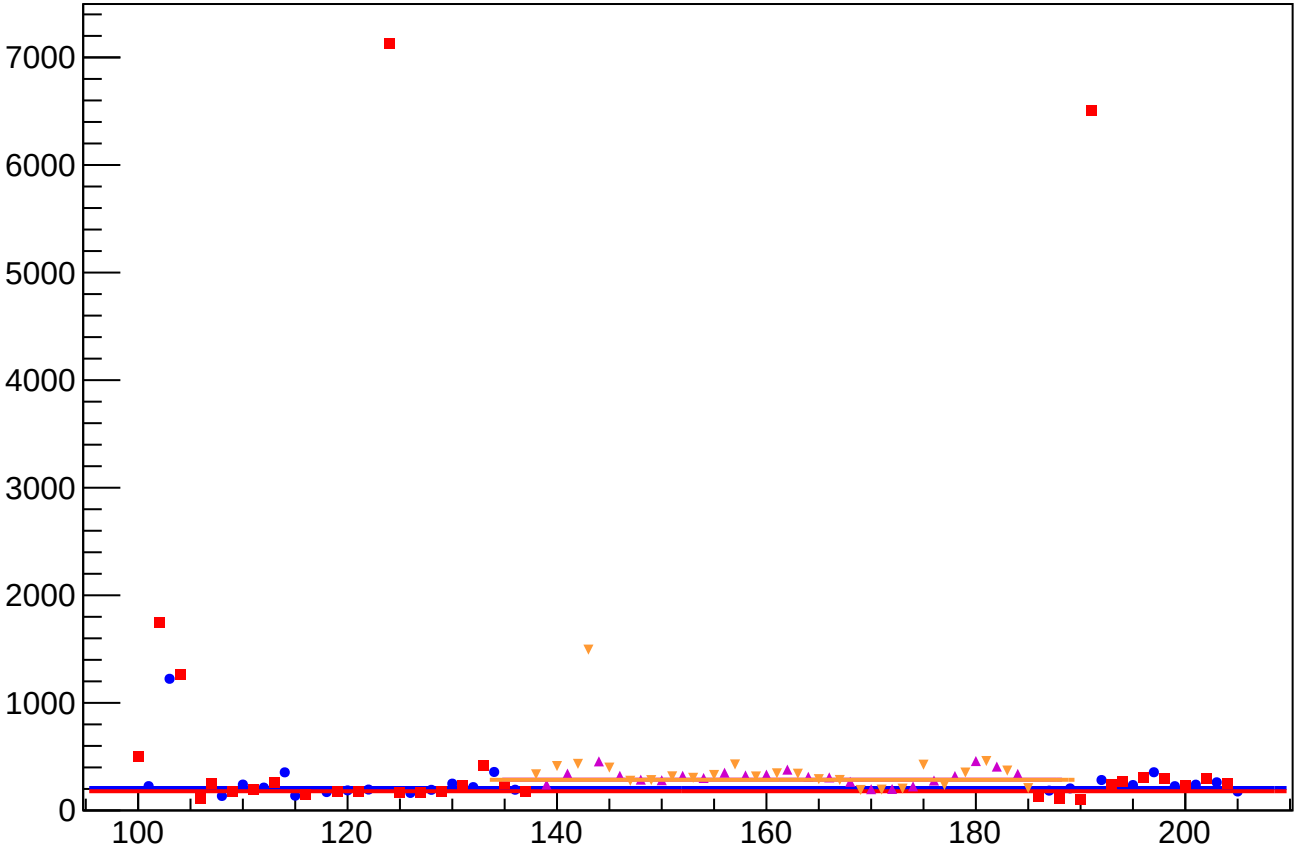
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.016+/-0.031 χ^2/NDF: 109.0/102

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

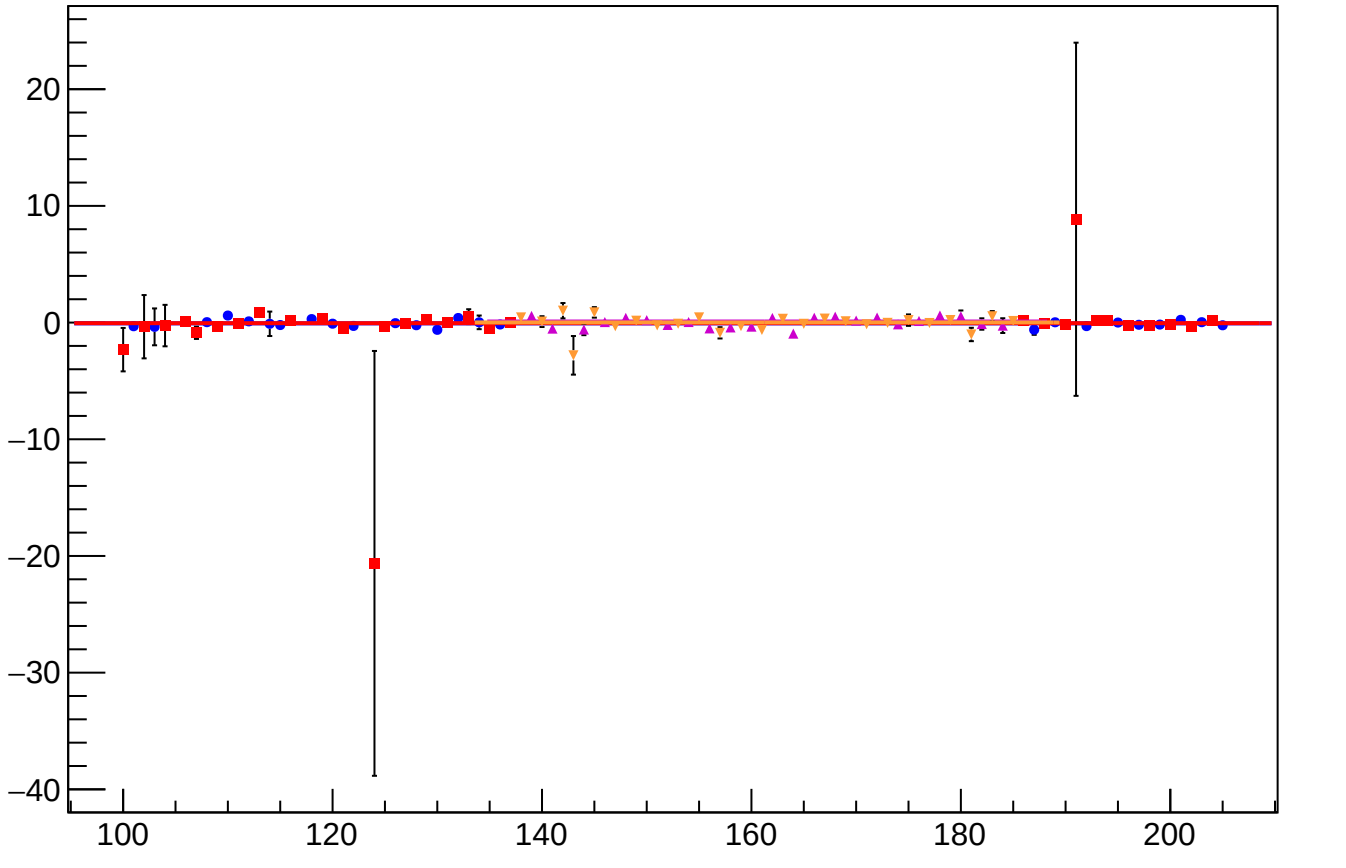
Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829398.3/49

All: 228.100+/-0.022 χ^2/NDF: 17061289.0/10

- sign 217.018+/-0.030 χ^2/NDF: 9931665.3/52



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.052+/-0.053 χ^2/NDF: 29.7/29

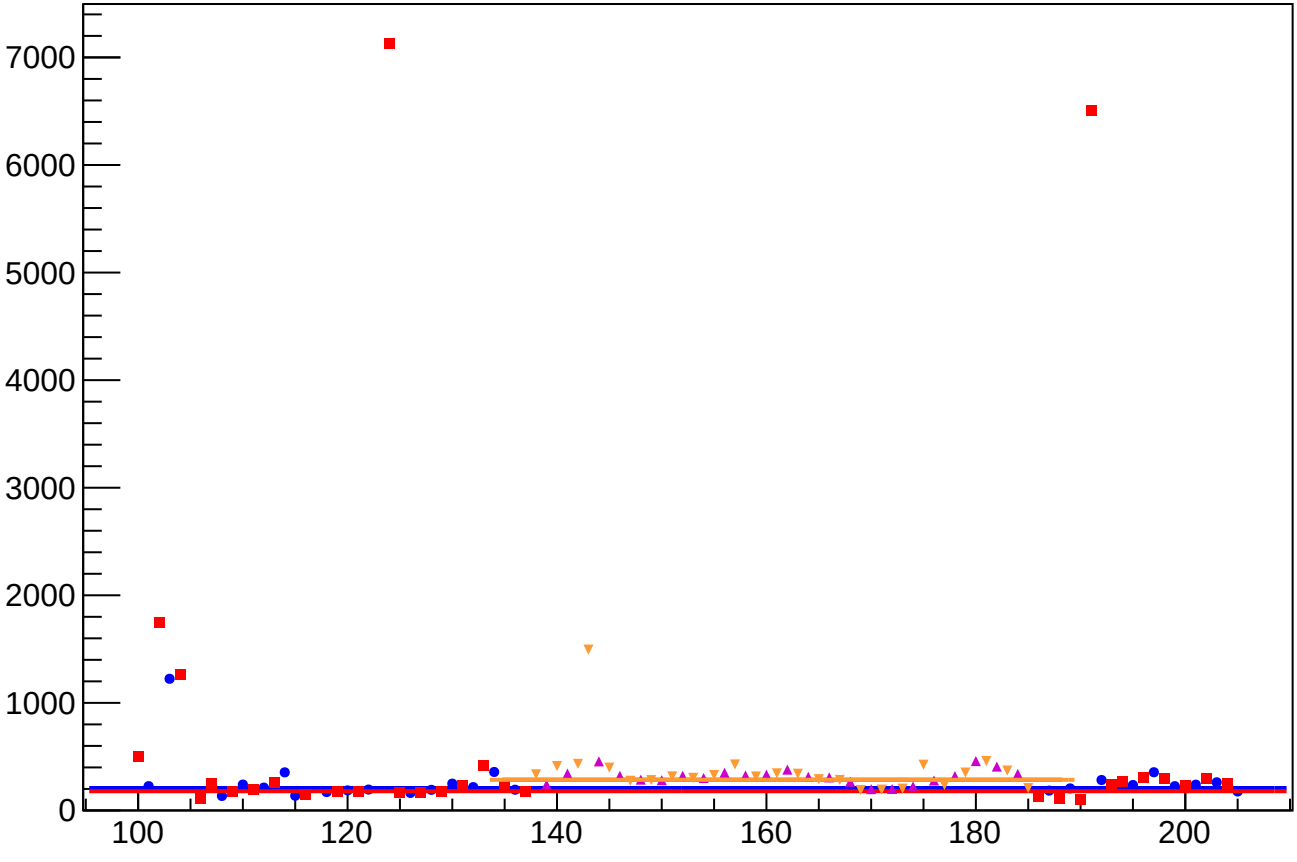
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.016+/-0.031 χ^2/NDF: 109.0/102

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

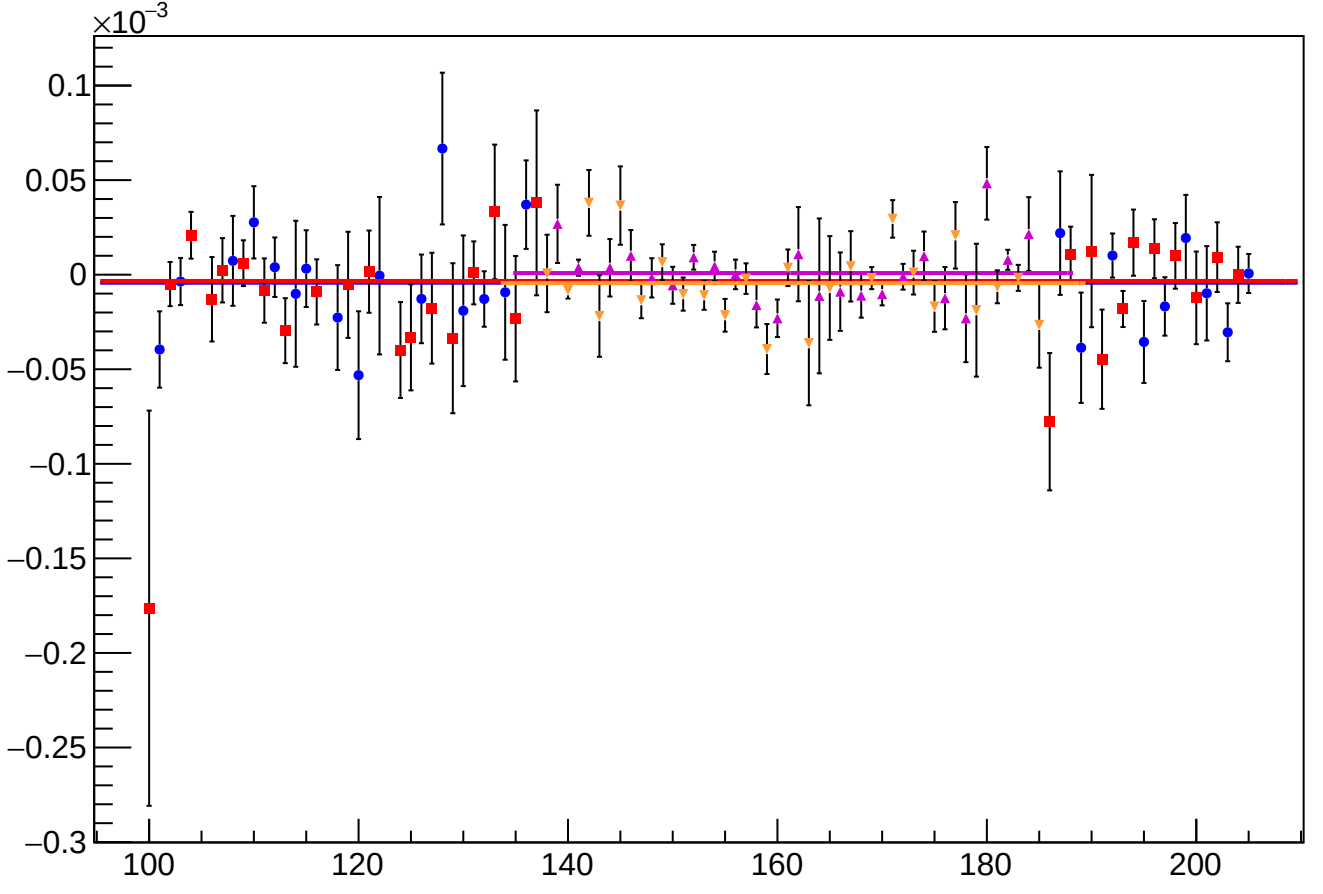
Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829398.3/49

All: 228.100+/-0.022 χ^2/NDF: 17061289.0/10

- sign 217.018+/-0.030 χ^2/NDF: 9931665.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/29

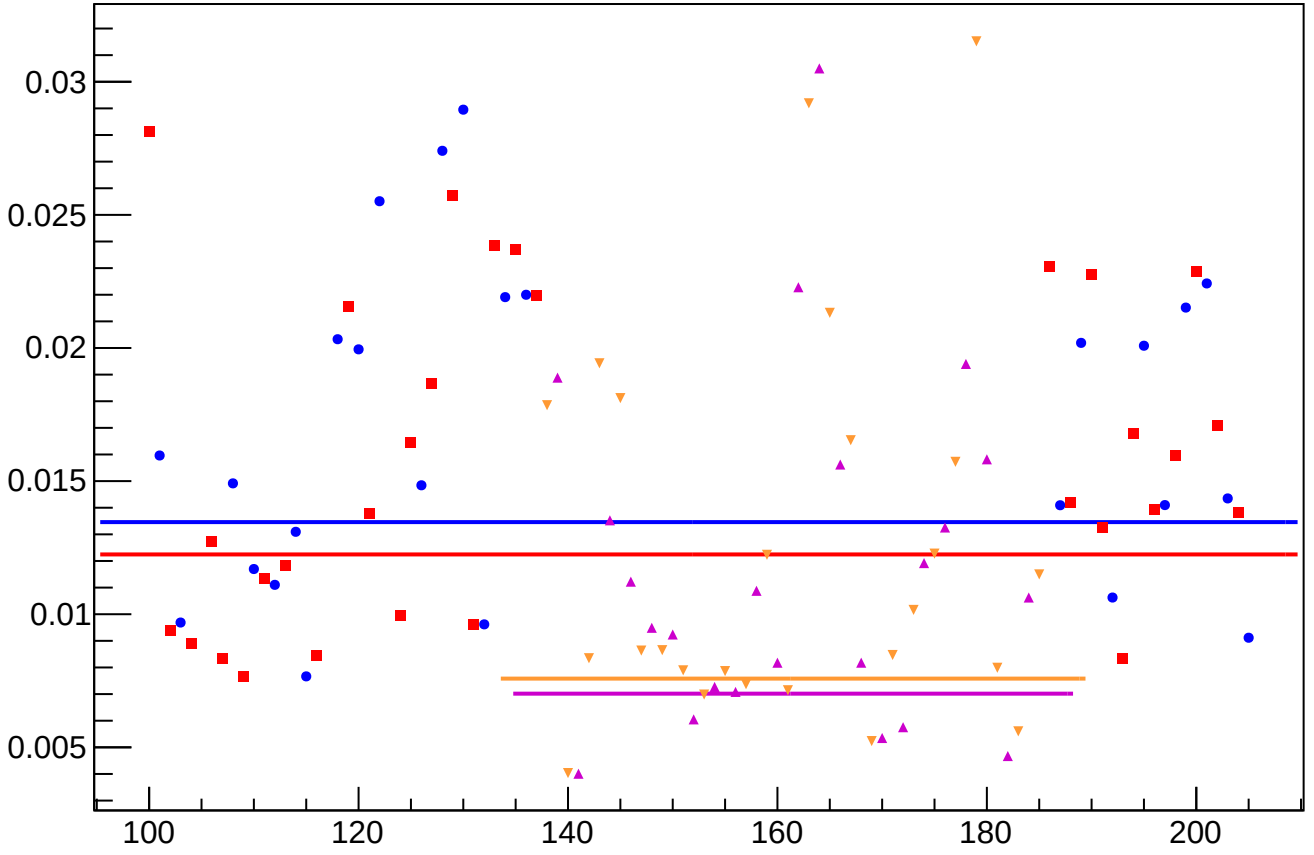
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/49

All: -0.000+/-0.000 χ^2/NDF: 133.9/102

- sign -0.000+/-0.000 χ^2/NDF: 60.4/52

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3163820.5/24

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

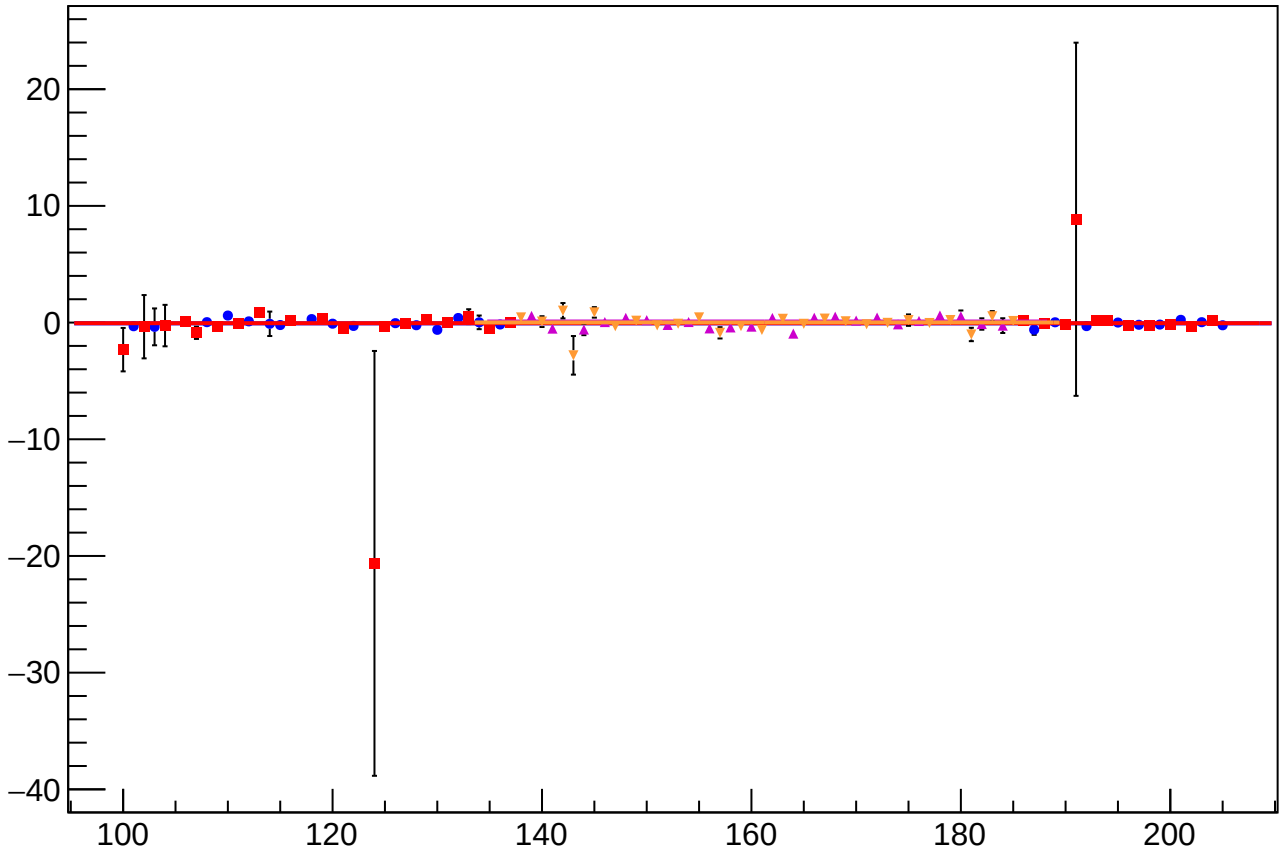
Right Out: 0.012+/-0.000 χ^2/NDF: 3486267.0/29

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 14172640.3/49

All: 0.009+/-0.000 χ^2/NDF: 28146363.3/102

- sign 0.008+/-0.000 χ^2/NDF: 13887836.3/52



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.052+/-0.053 χ^2/NDF: 29.6/29

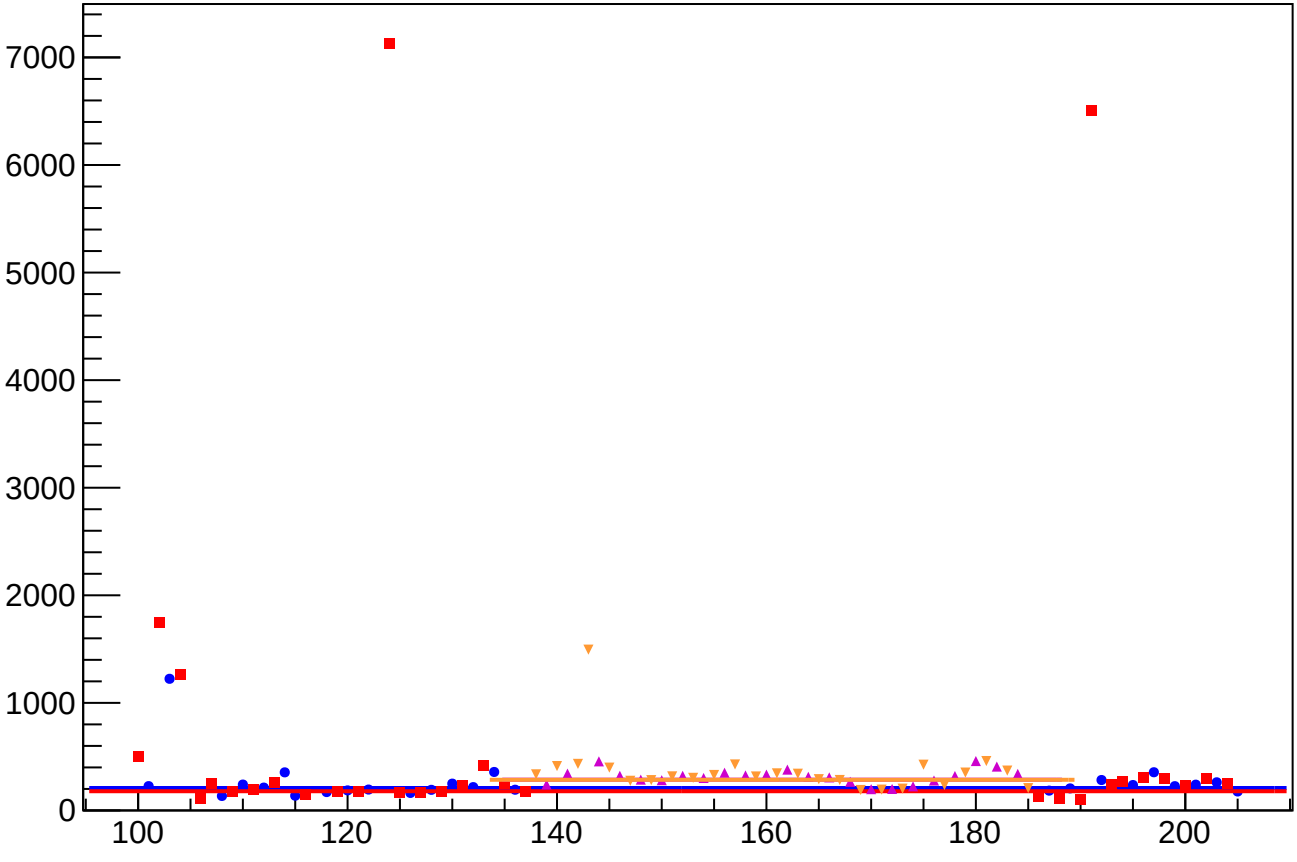
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.016+/-0.031 χ^2/NDF: 109.0/102

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

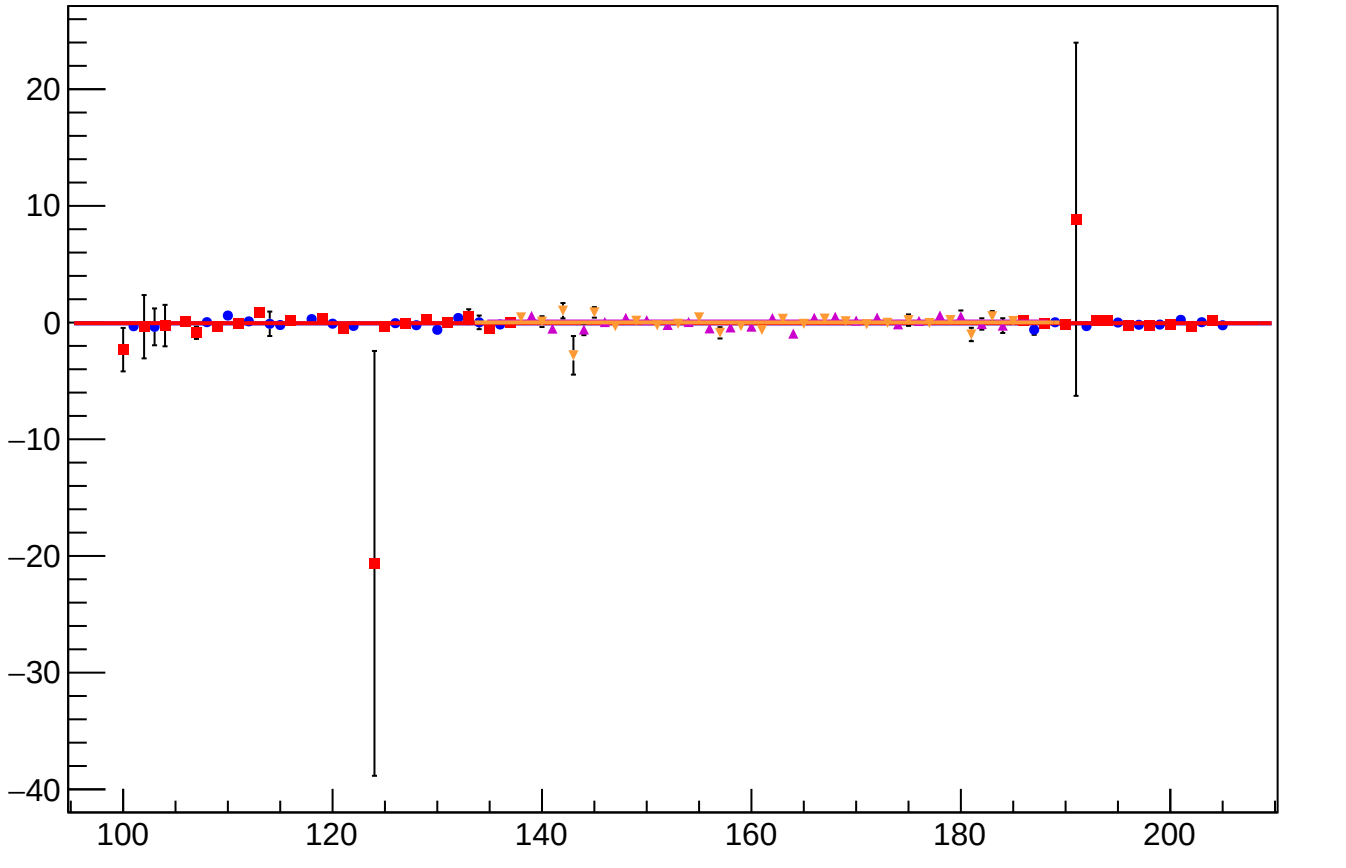
Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829579.5/49

All: 228.099+/-0.022 χ^2/NDF: 17061989.5/10

- sign 217.016+/-0.030 χ^2/NDF: 9932144.2/52



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

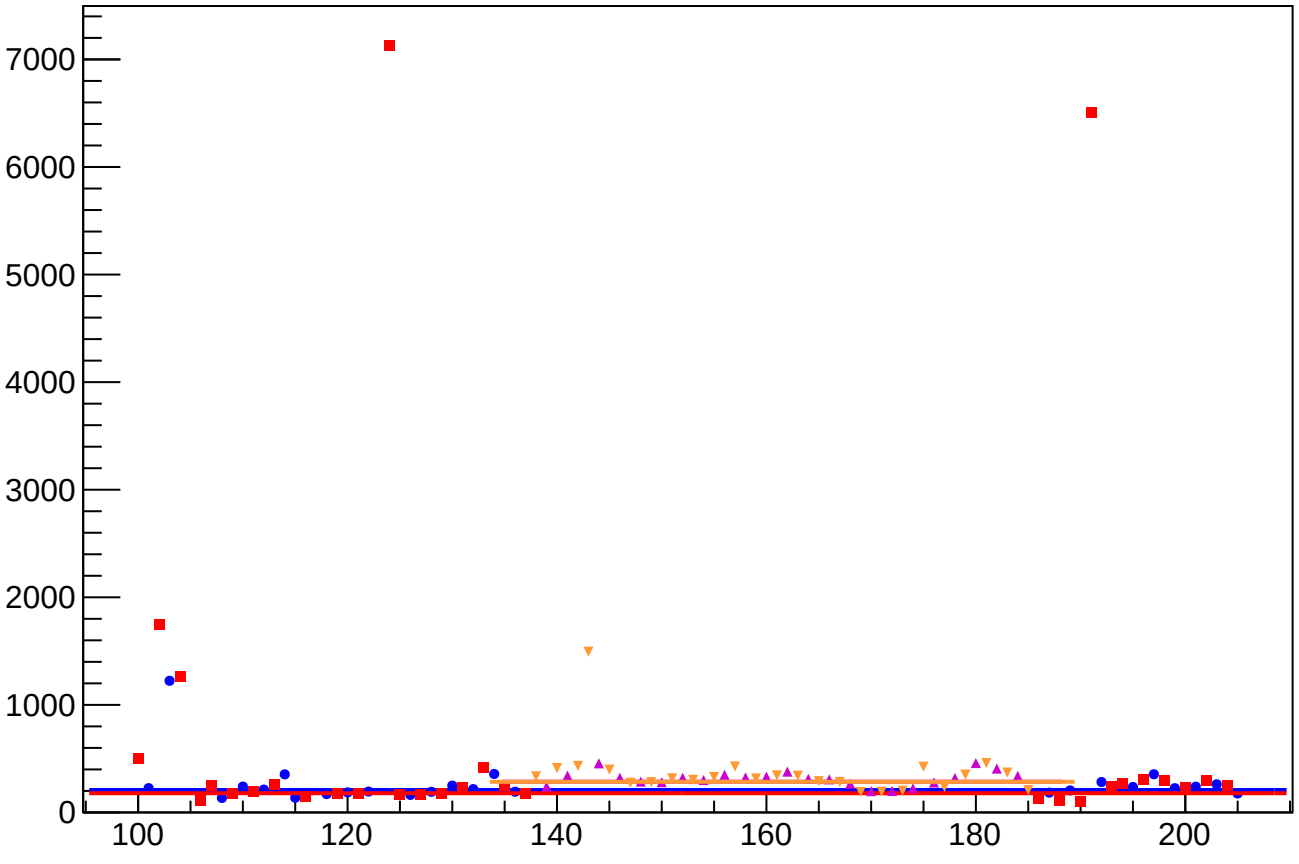
Right Out: -0.052+/-0.053 χ^2/NDF: 29.6/29

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.016+/-0.031 χ^2/NDF: 109.0/102

- sign -0.001+/-0.042 χ^2/NDF: 63.2/52



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

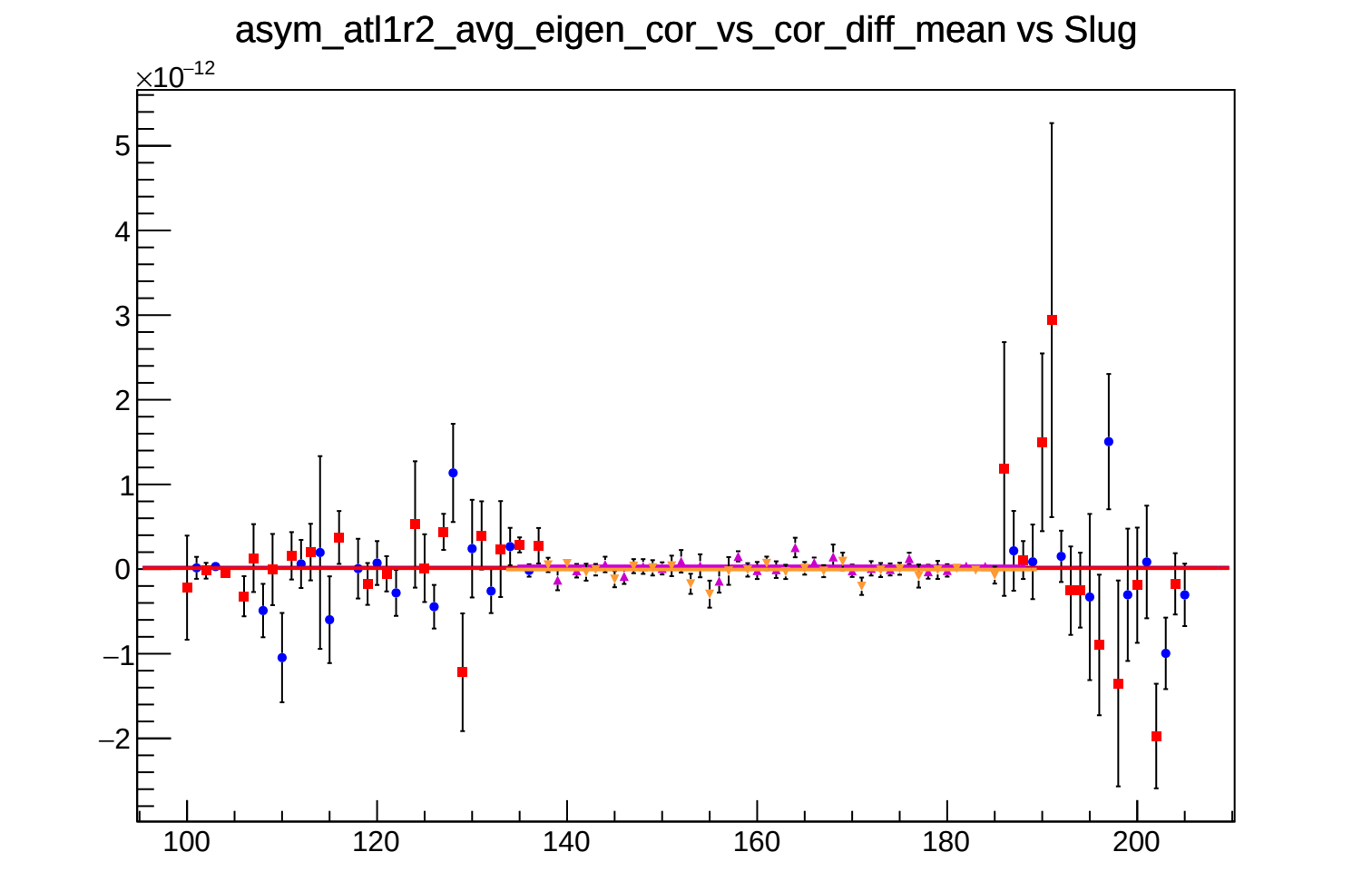
Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829579.5/49

All: 228.099+/-0.022 χ^2/NDF: 17061989.5/10

- sign 217.016+/-0.030 χ^2/NDF: 9932144.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

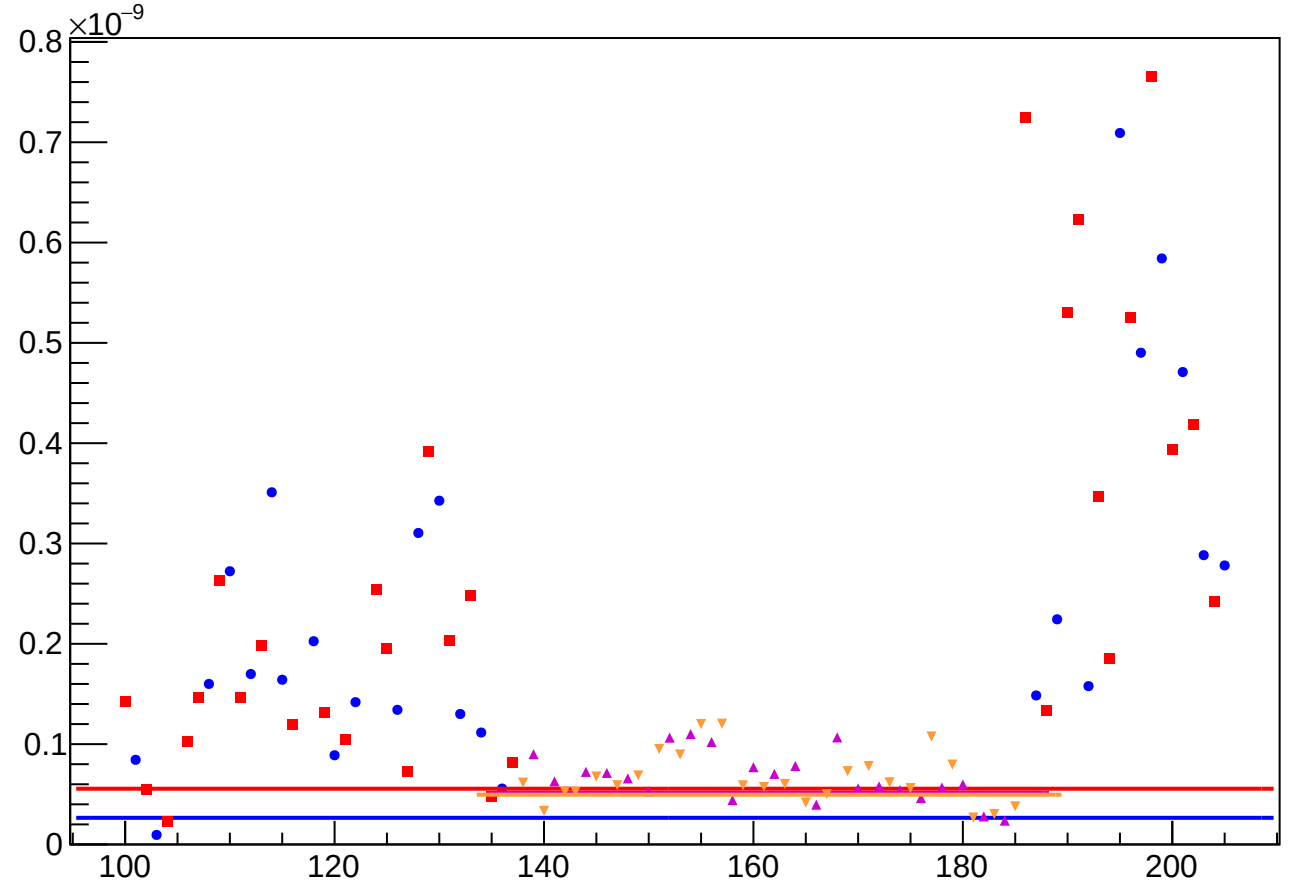
Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/29

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.4/49

All: 0.000+/-0.000 χ^2/NDF: 113.6/102

- sign 0.000+/-0.000 χ^2/NDF: 64.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 12653506.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9374437.4/29

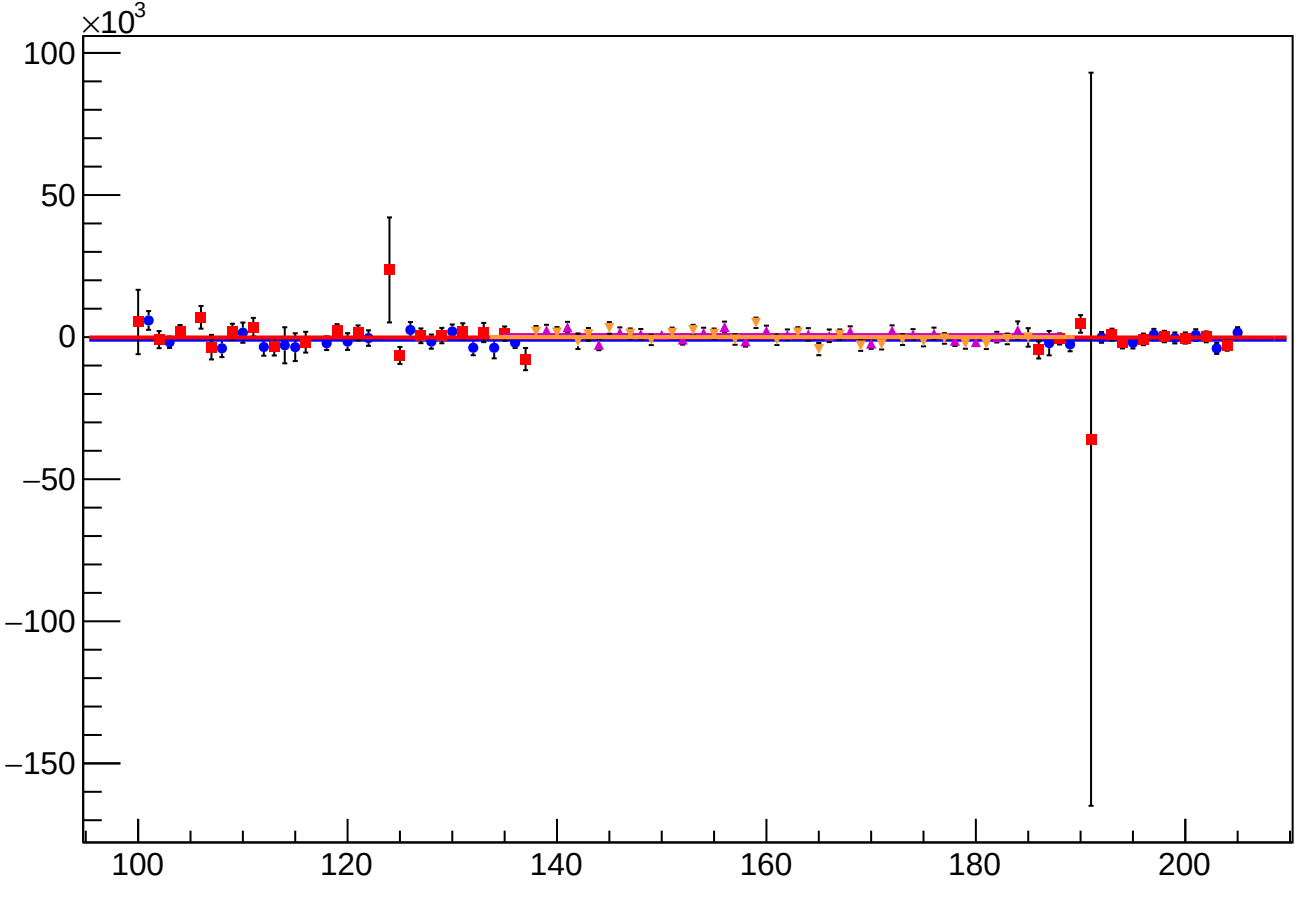
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18189282.7/49

All: 0.000+/-0.000 χ^2/NDF: 31930882.9/102

- sign 0.000+/-0.000 χ^2/NDF: 13063322.9/52

reg_asym_atl1r2_dd_mean vs Slug



Right In: -907.277+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -124.433+/-484.598 χ^2/NDF: 28.6/29

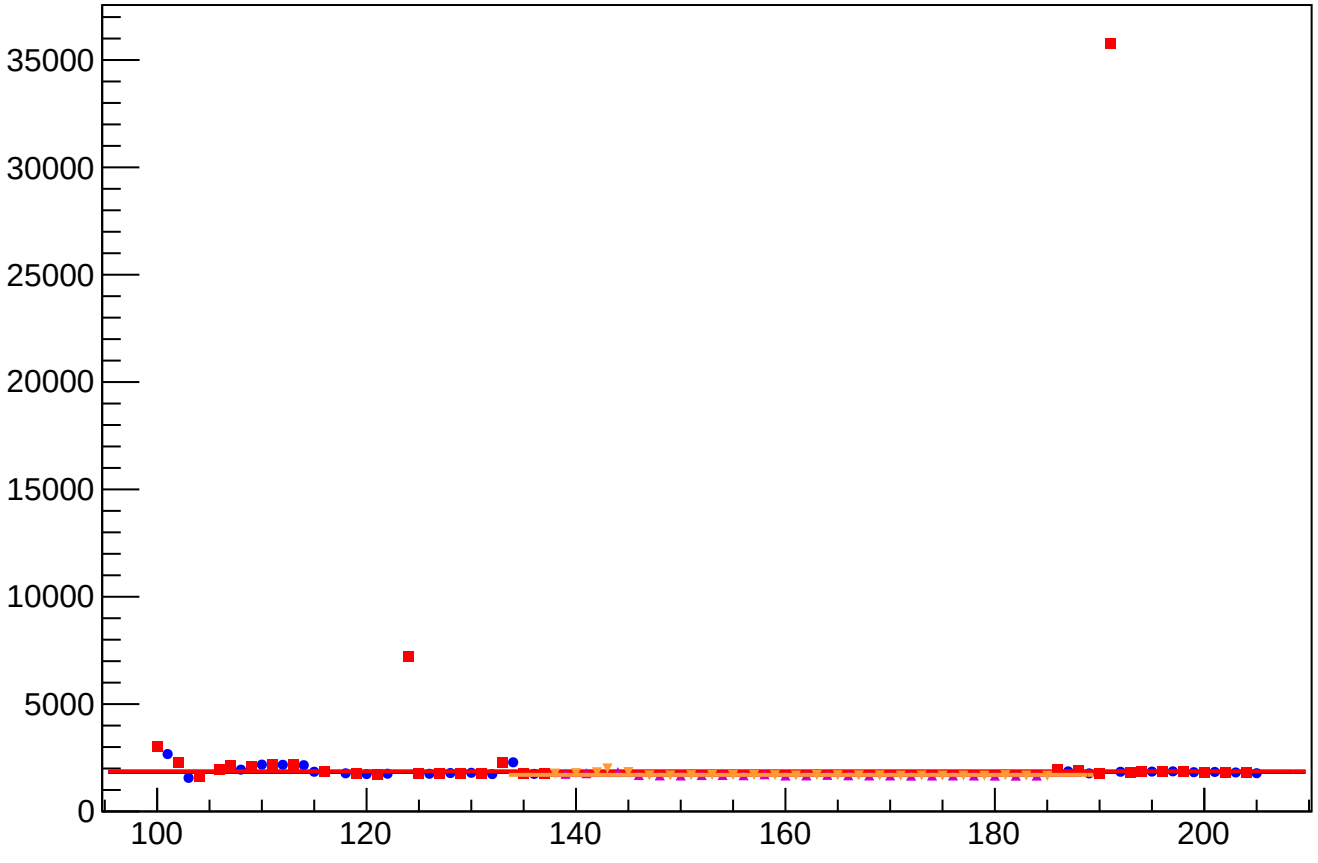
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -333.180+/-304.573 χ^2/NDF: 50.8/49

All: 21.321+/-216.165 χ^2/NDF: 103.0/102

- sign 381.135+/-306.847 χ^2/NDF: 49.5/52

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1840.320+/-0.348 χ^2/NDF: 264876.7/24

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1868.917+/-0.342 χ^2/NDF: 514707.0/29

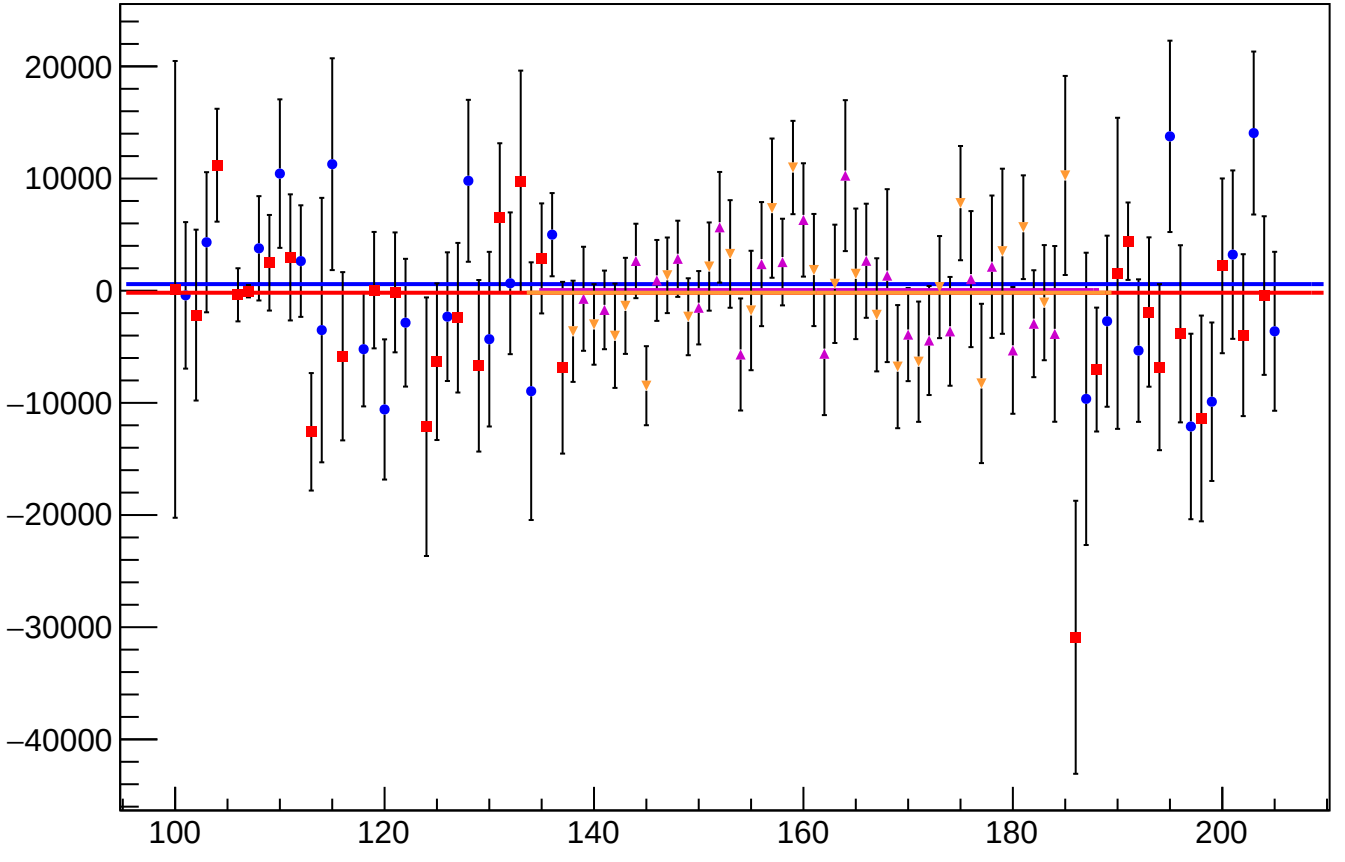
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1757.212+/-0.215 χ^2/NDF: 417221.4/49

All: 1761.737+/-0.153 χ^2/NDF: 1104049.8/10

- sign 1766.327+/-0.217 χ^2/NDF: 685939.1/52

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 587.472+/-1295.268 χ^2/NDF: 26.4/24

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -181.838+/-490.082 χ^2/NDF: 30.6/29

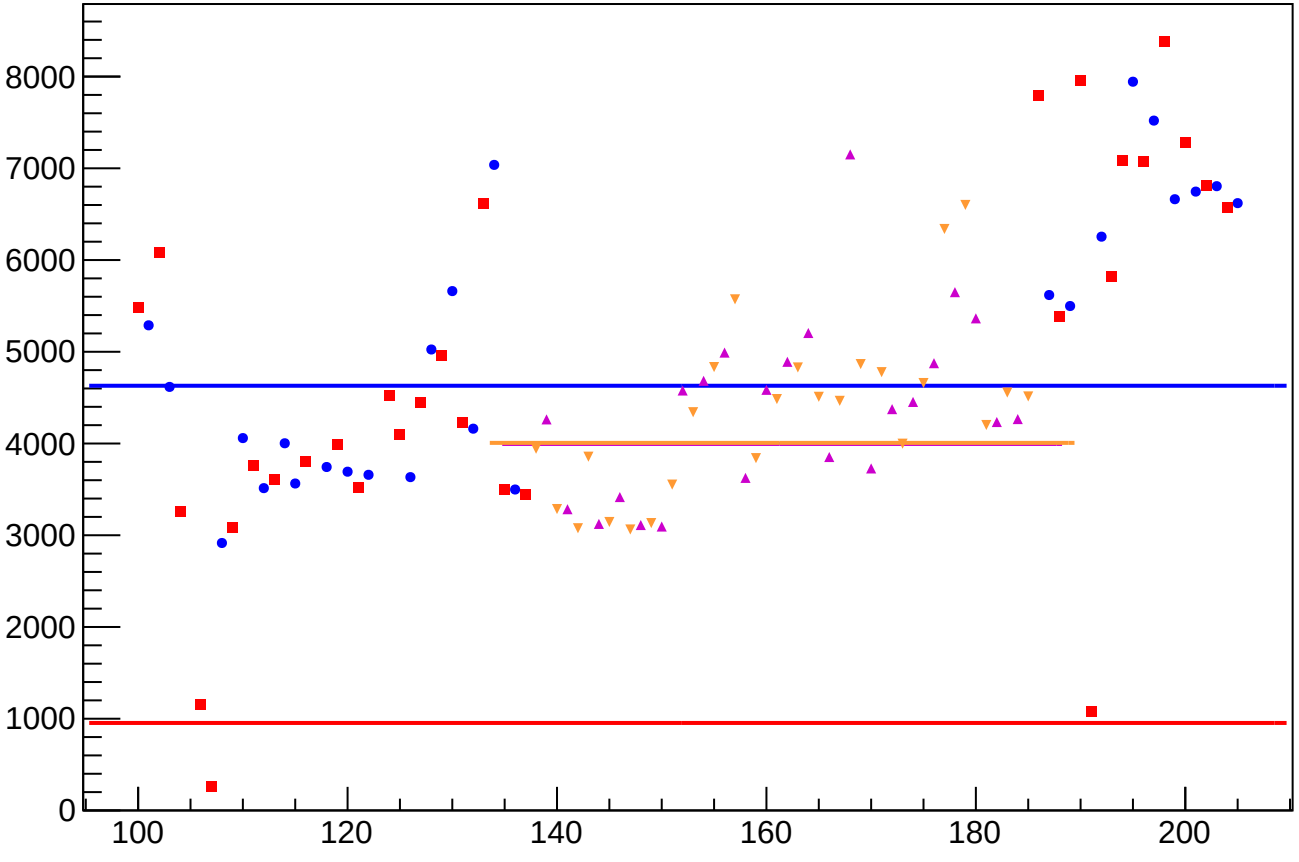
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 85.742+/-758.191 χ^2/NDF: 54.6/49

All: -78.072+/-378.062 χ^2/NDF: 99.6/102

- sign -132.281+/-436.153 χ^2/NDF: 45.0/52

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4629.680+/-0.916 χ^2/NDF: 2364640.6/24

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 953.816+/-0.347 χ^2/NDF: 22393228.8/29

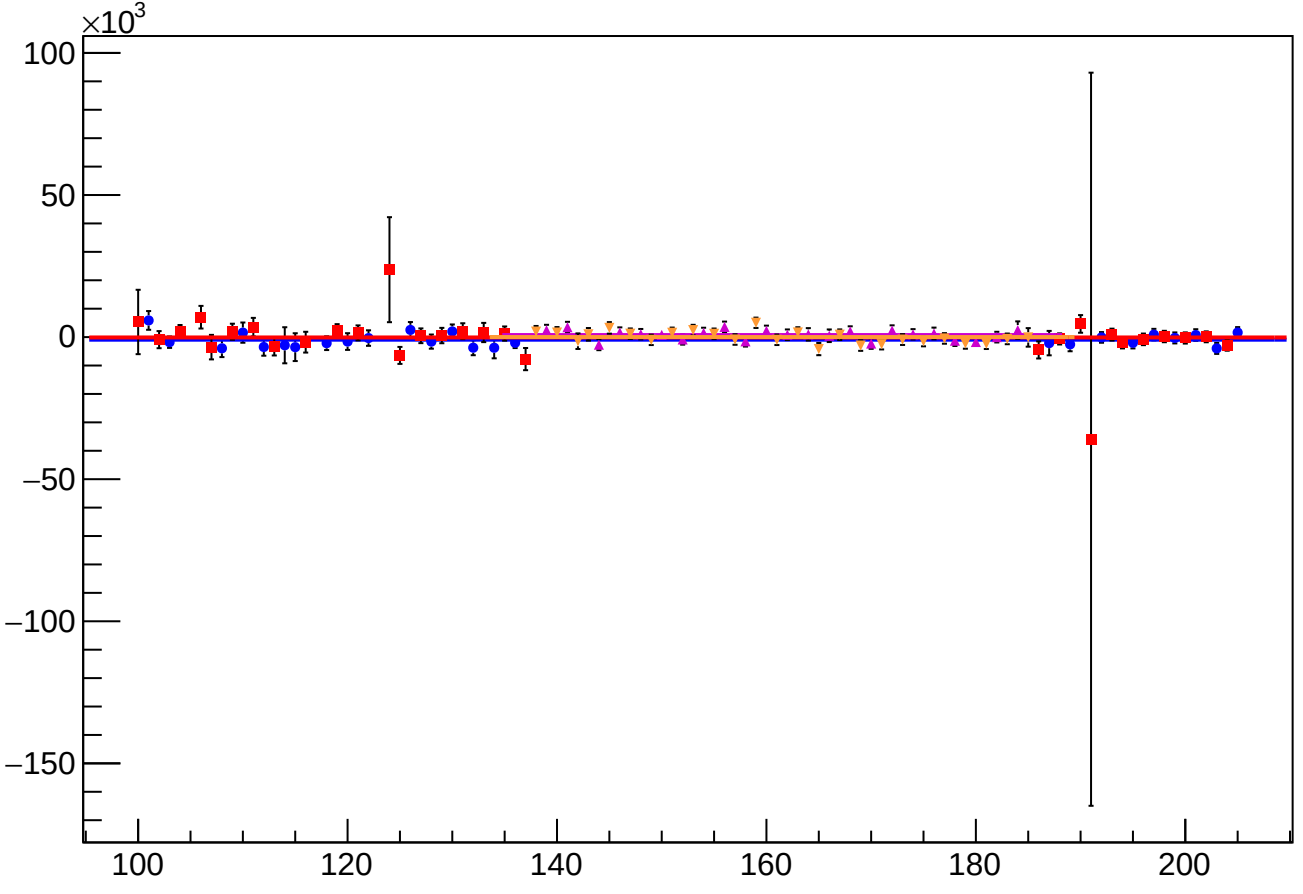
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4220.354+/-0.536 χ^2/NDF: 4172159.2/49

All: 2241.225+/-0.267 χ^2/NDF: 62257678.1/1

- sign 1586.297+/-0.308 χ^2/NDF: 39948260.1/52

cor_asym_atl1r2_dd_mean vs Slug



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -124.267+/-484.599 χ^2/NDF: 28.7/29

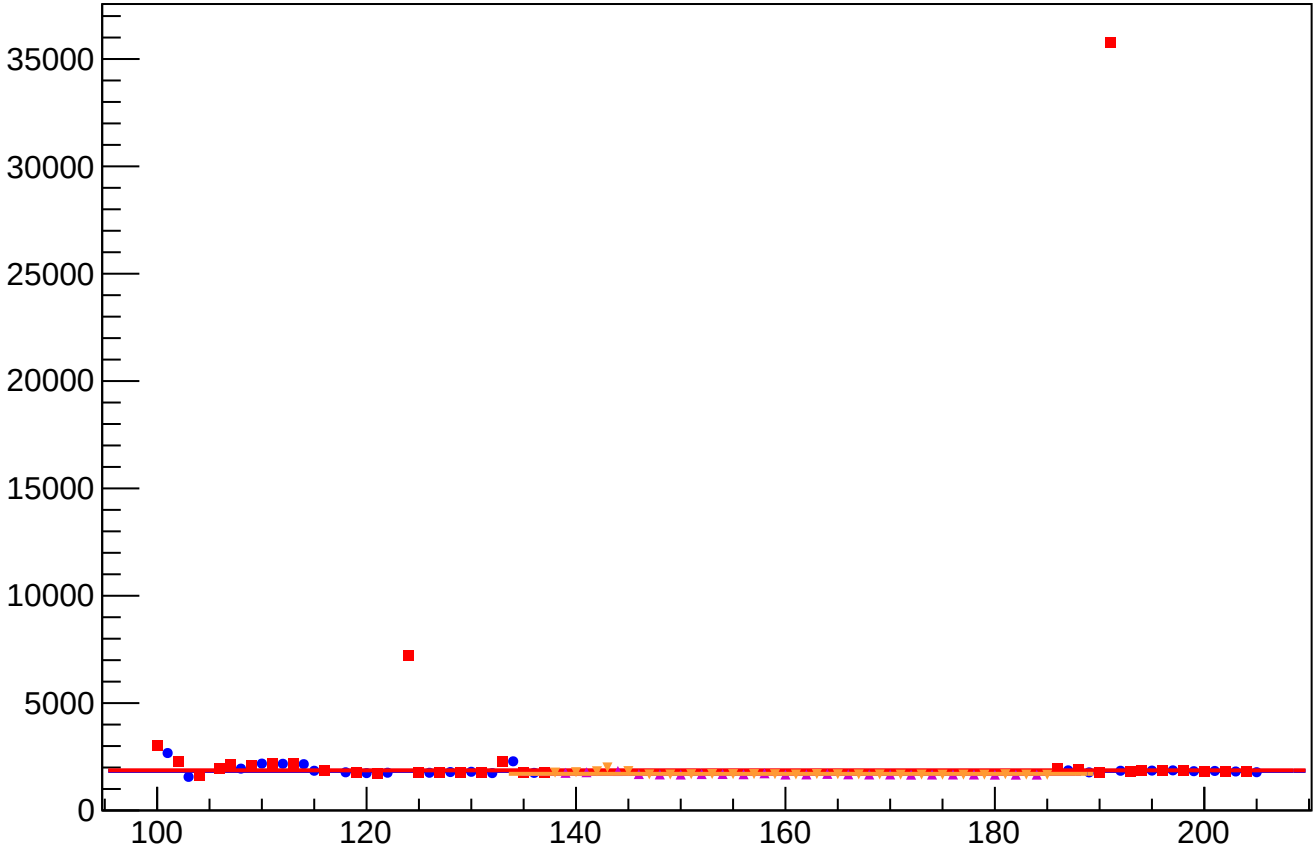
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -333.049+/-304.573 χ^2/NDF: 50.8/49

All: 21.383+/-216.165 χ^2/NDF: 103.1/102

- sign 381.127+/-306.847 χ^2/NDF: 49.5/52

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

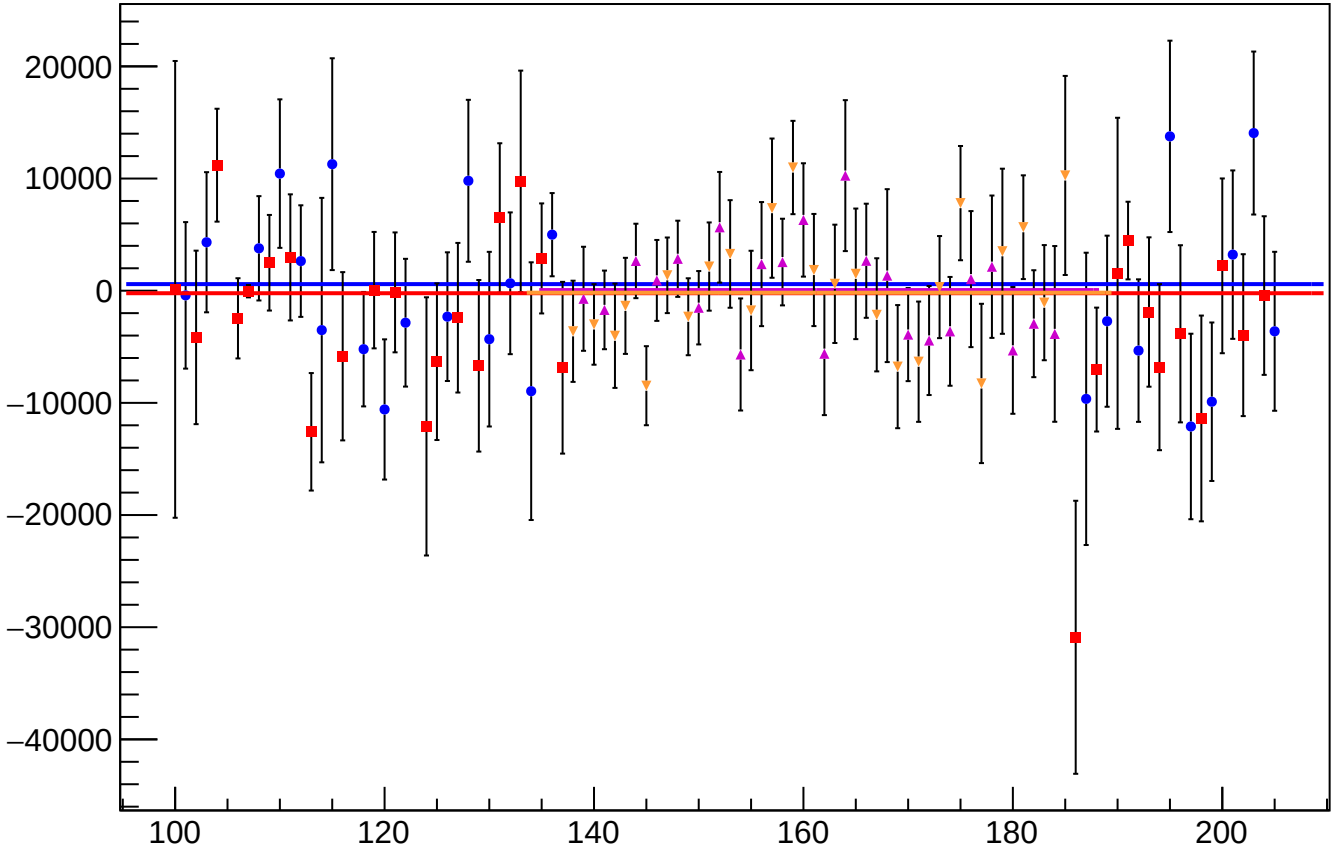
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1757.212+/-0.215 χ^2/NDF: 417220.9/49

All: 1761.775+/-0.153 χ^2/NDF: 1104711.8/10

- sign 1766.403+/-0.217 χ^2/NDF: 686586.8/52

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -224.495+/-496.110 χ^2/NDF: 31.2/29

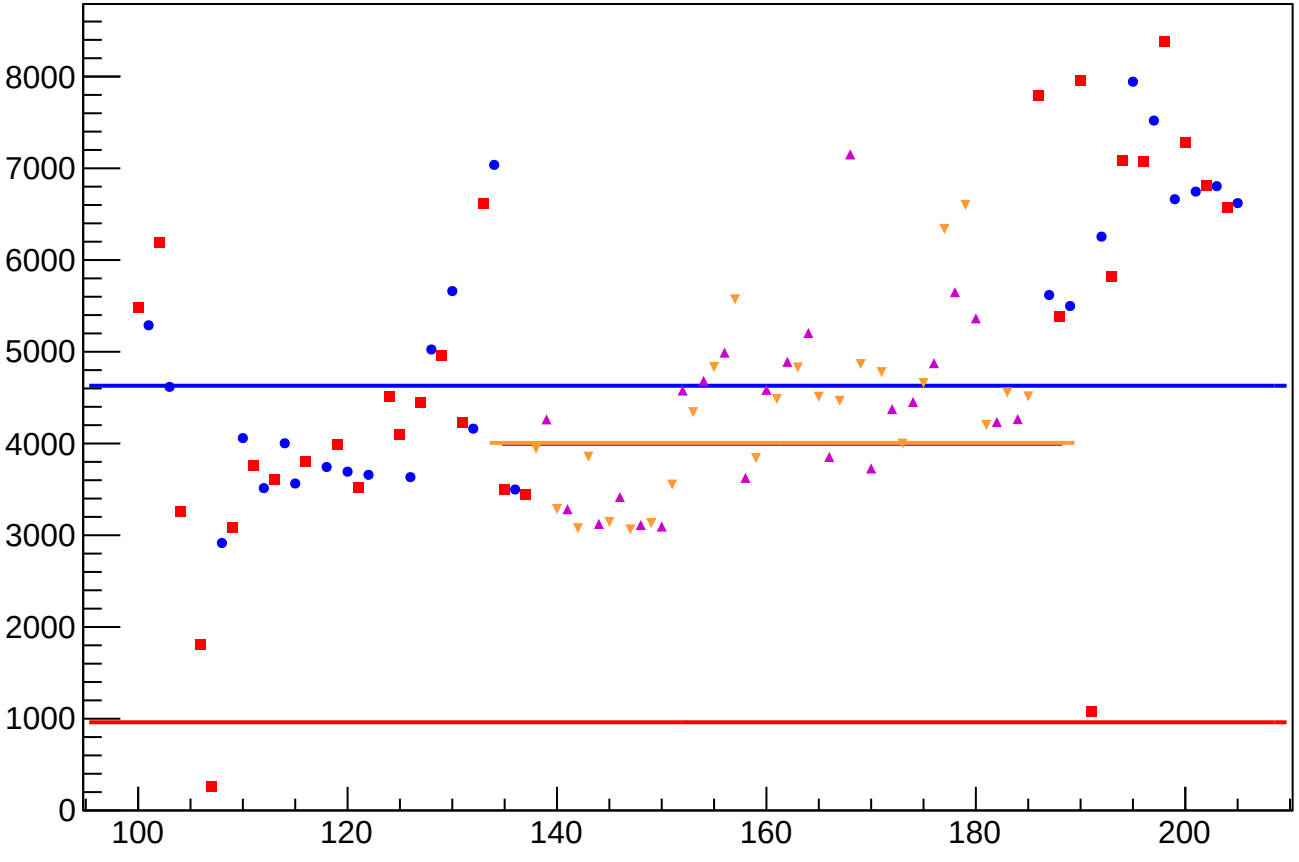
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 85.739+/-758.191 χ^2/NDF: 54.6/49

All: -101.704+/-380.809 χ^2/NDF: 100.3/102

- sign -164.942+/-440.385 χ^2/NDF: 45.6/52

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

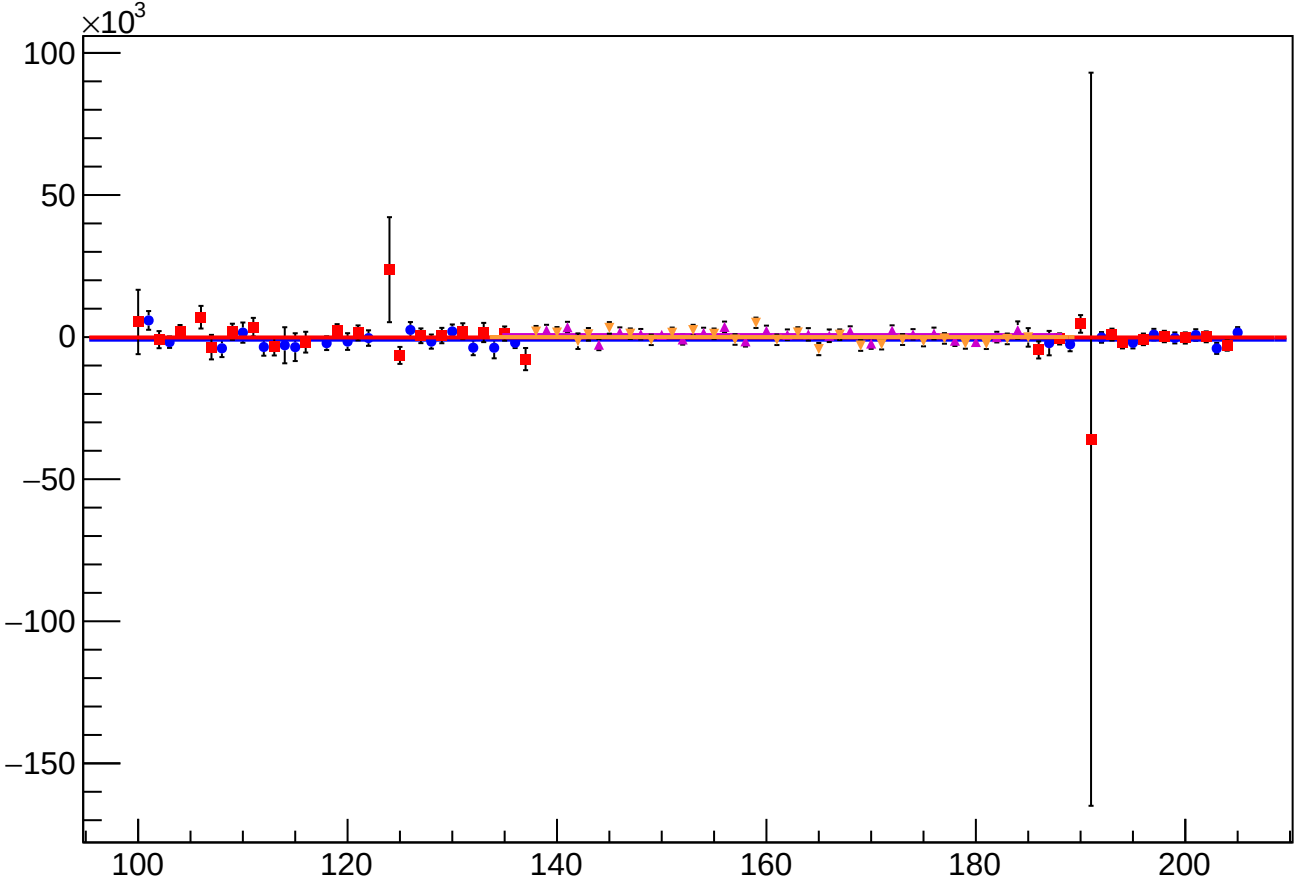
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4220.351+/-0.536 χ^2/NDF: 4172208.1/49

All: 2264.342+/-0.269 χ^2/NDF: 61874278.1/1

- sign 1604.442+/-0.311 χ^2/NDF: 39900189.9/52

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -124.267+/-484.599 χ^2/NDF: 28.7/29

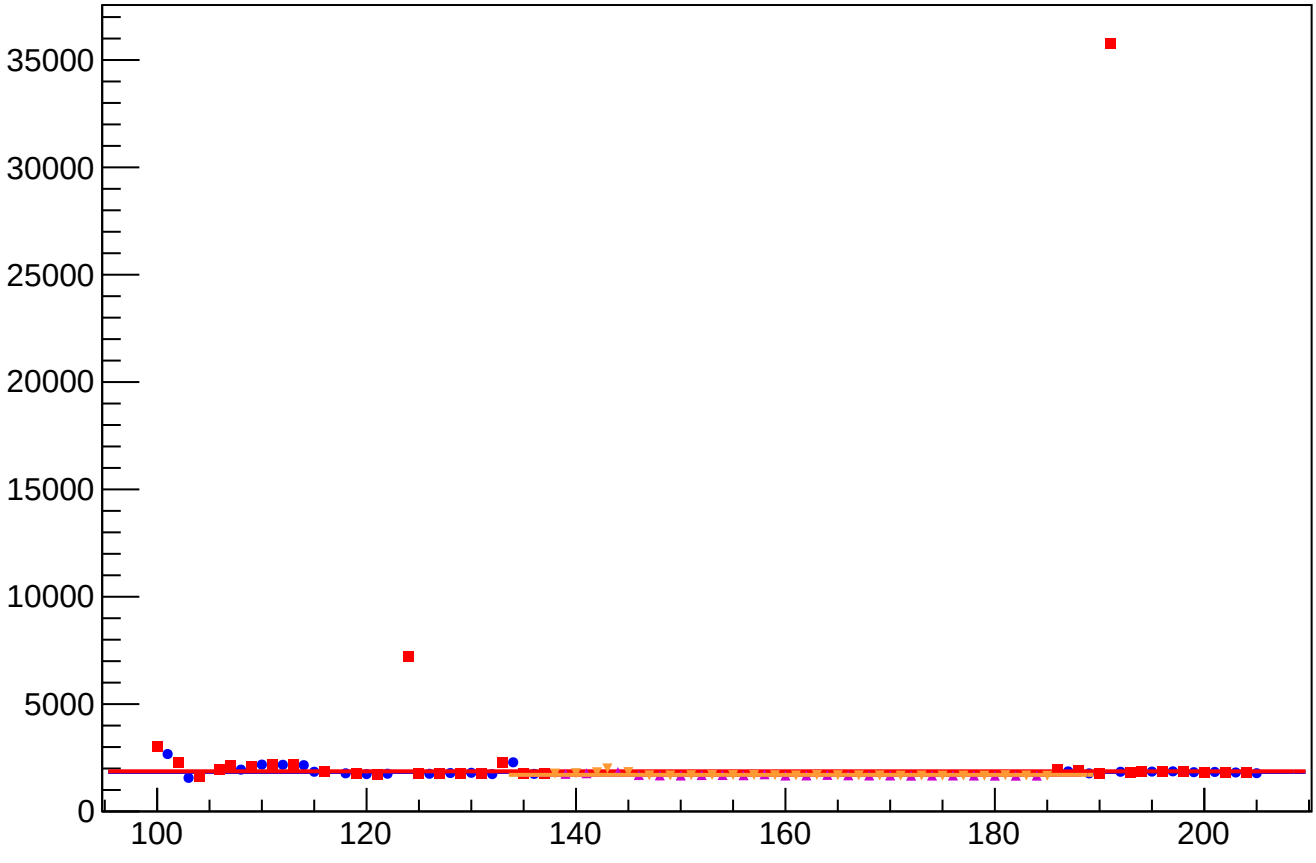
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -333.049+/-304.573 χ^2/NDF: 50.8/49

All: 21.383+/-216.165 χ^2/NDF: 103.1/102

- sign 381.127+/-306.847 χ^2/NDF: 49.5/52

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

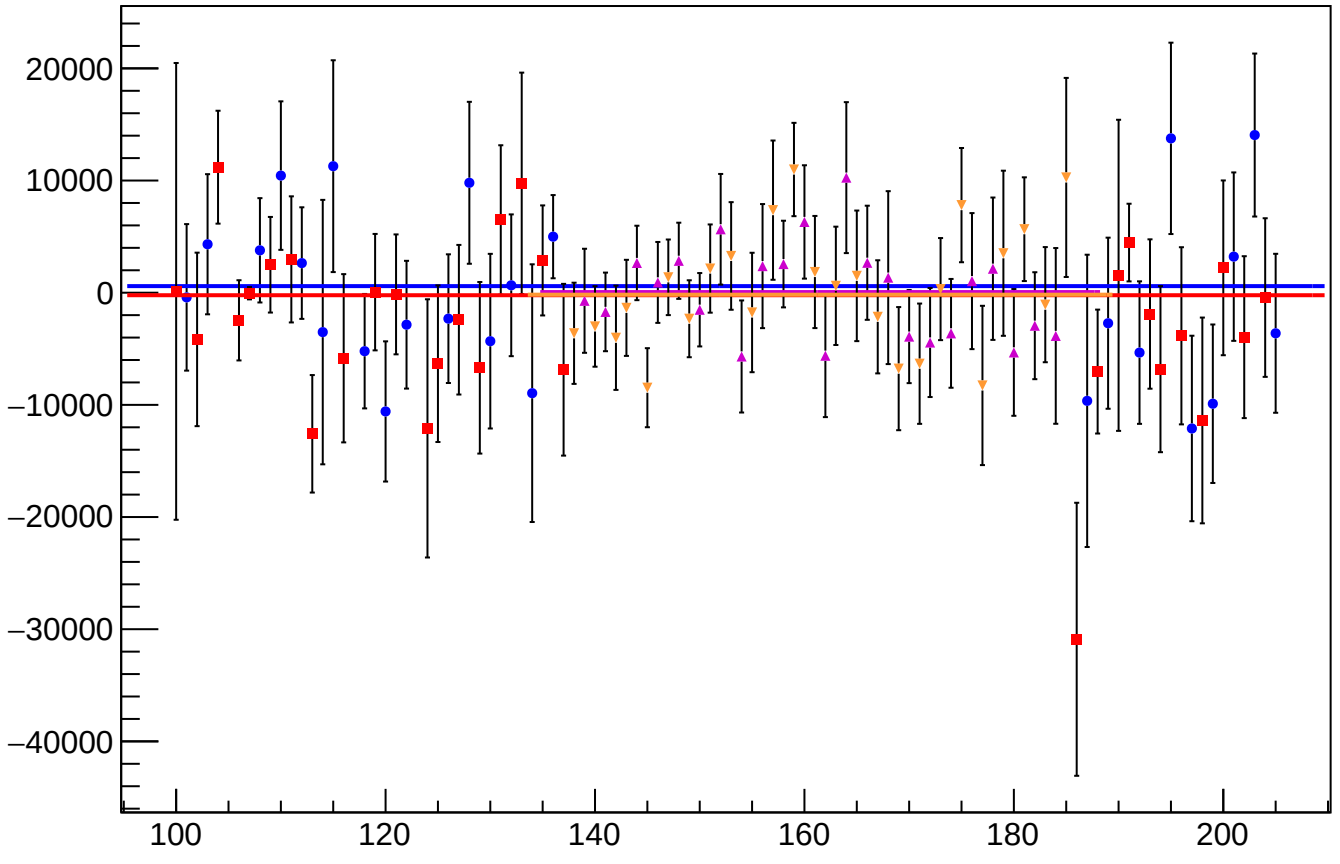
Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1757.212+/-0.215 χ^2/NDF: 417220.9/49

All: 1761.775+/-0.153 χ^2/NDF: 1104711.8/10

- sign 1766.403+/-0.217 χ^2/NDF: 686586.8/52



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -224.495+/-496.110 χ^2/NDF: 31.2/29

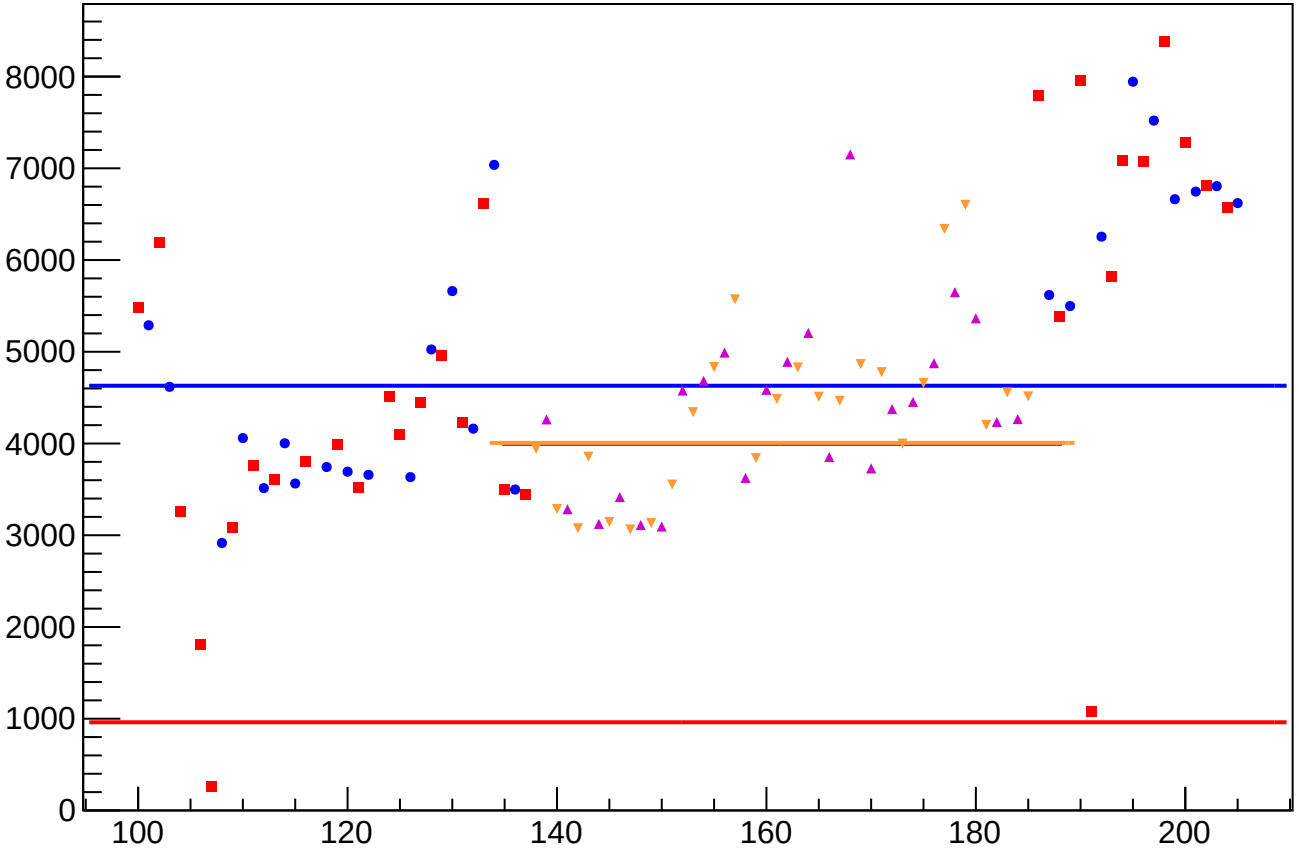
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 85.739+/-758.191 χ^2/NDF: 54.6/49

All: -101.704+/-380.809 χ^2/NDF: 100.3/102

- sign -164.942+/-440.385 χ^2/NDF: 45.6/52

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

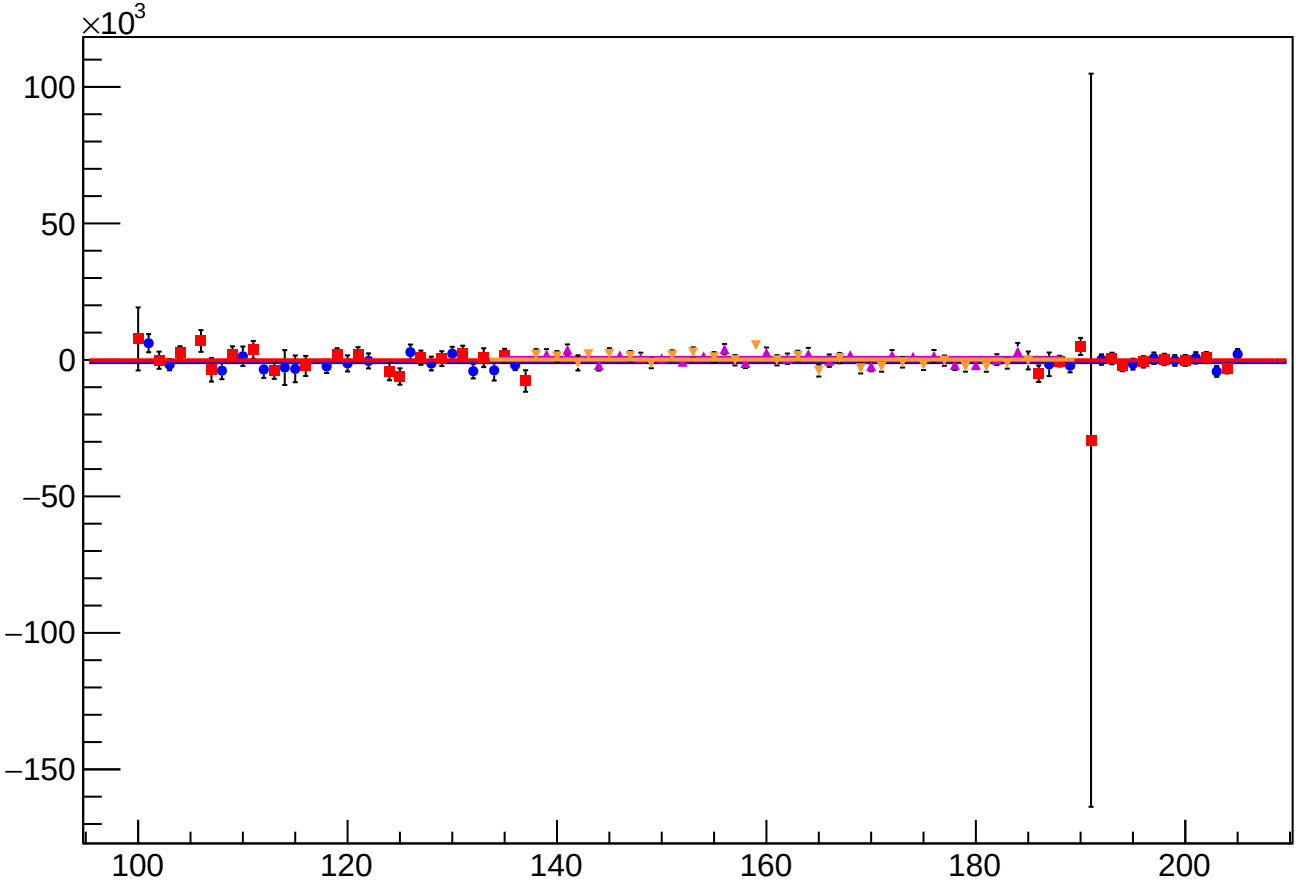
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4220.351+/-0.536 χ^2/NDF: 4172208.1/49

All: 2264.342+/-0.269 χ^2/NDF: 61874278.1/1

- sign 1604.442+/-0.311 χ^2/NDF: 39900189.9/52

dit_asym_atl1r2_dd_mean vs Slug



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -138.386+/-486.256 χ^2/NDF: 30.4/29

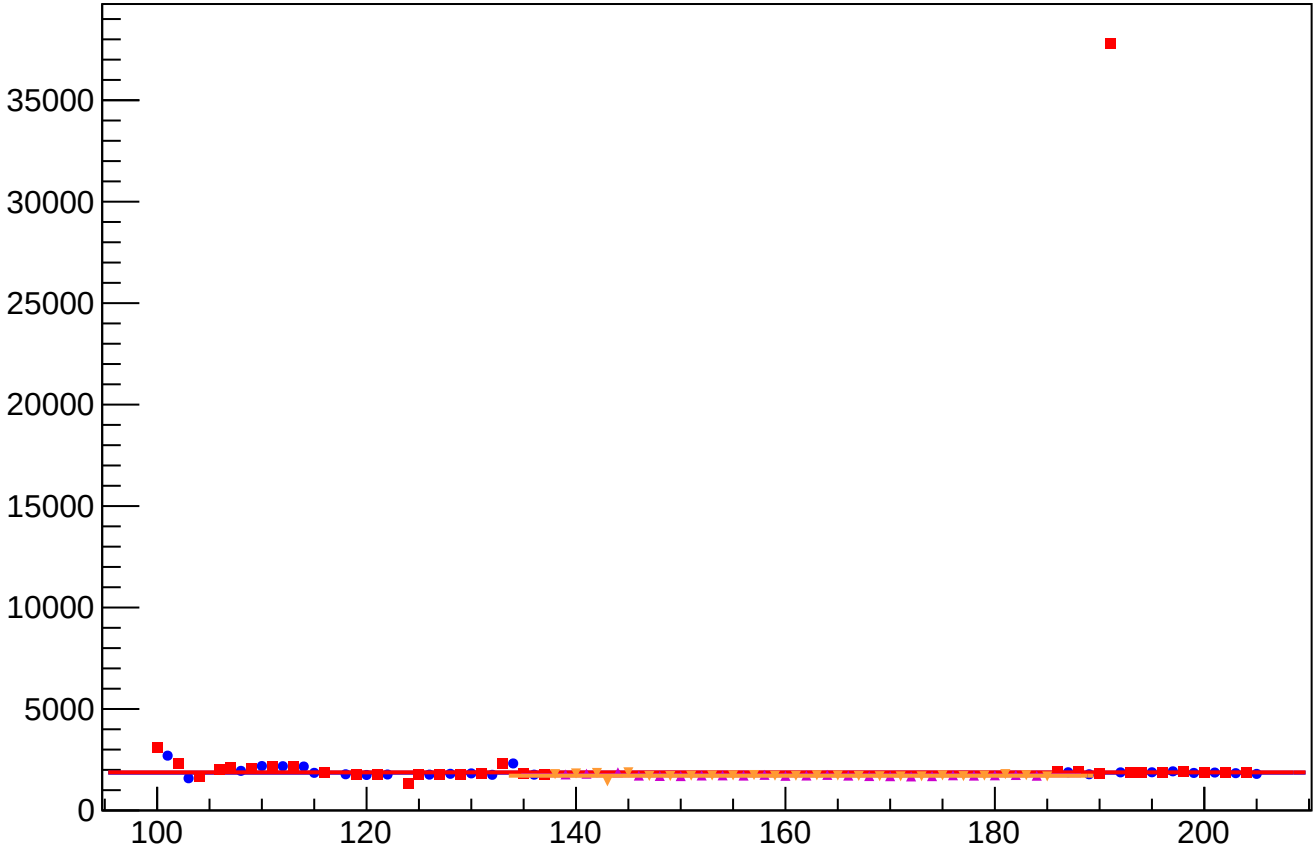
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -235.514+/-306.736 χ^2/NDF: 52.3/49

All: 69.072+/-218.323 χ^2/NDF: 105.7/102

- sign 381.815+/-310.816 χ^2/NDF: 51.3/52

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.1/29

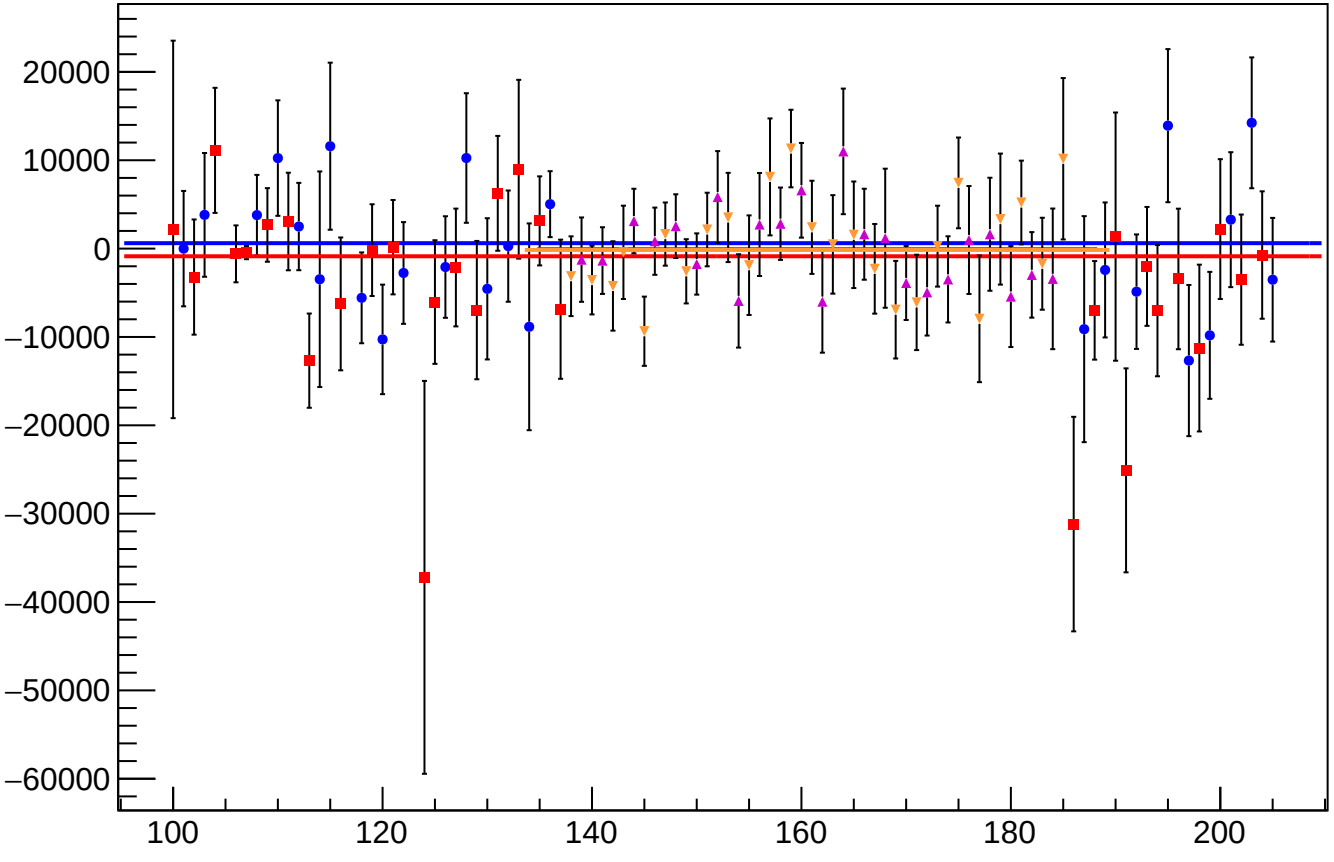
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.813+/-0.217 χ^2/NDF: 468342.8/49

All: 1779.549+/-0.154 χ^2/NDF: 1015350.0/10

- sign 1790.569+/-0.220 χ^2/NDF: 542042.5/52

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 614.641+/-1305.756 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -867.545+/-635.199 χ^2/NDF: 31.4/29

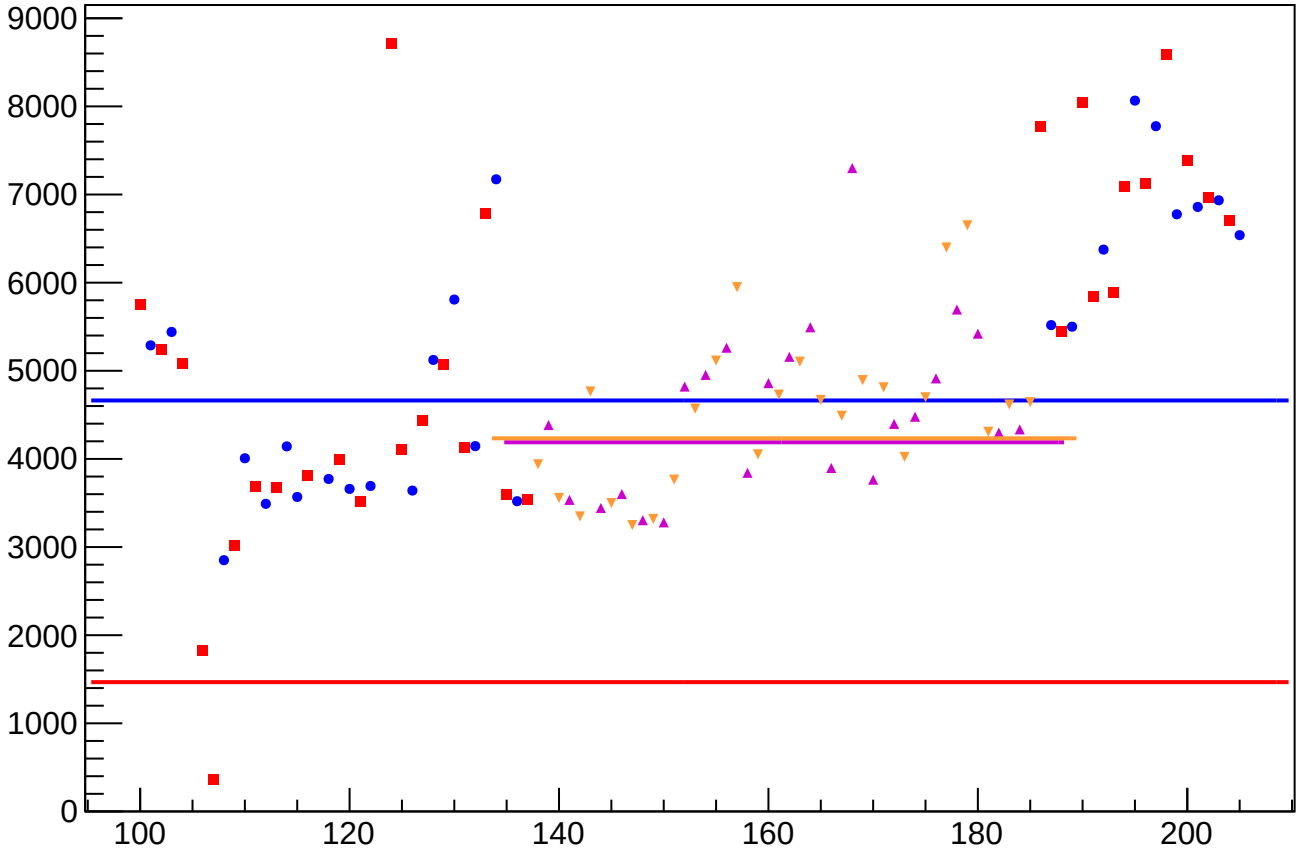
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 127.200+/-786.346 χ^2/NDF: 53.0/49

All: -394.391+/-443.004 χ^2/NDF: 99.6/102

- sign -636.909+/-536.192 χ^2/NDF: 45.9/52

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4663.232+/-0.923 χ^2/NDF: 2513597.8/24

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

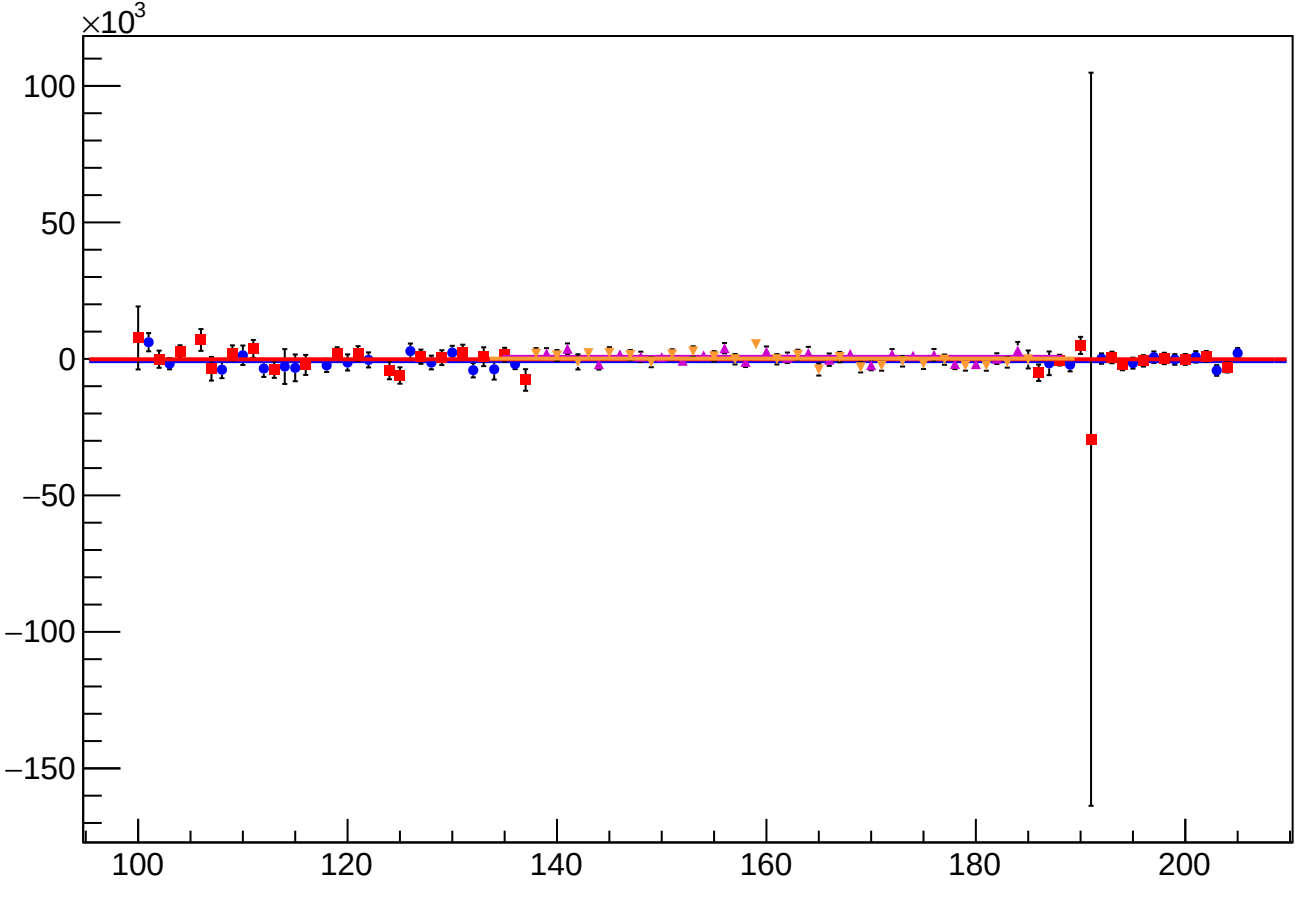
Right Out: 1467.232+/-0.449 χ^2/NDF: 19996251.0/29

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4389.606+/-0.556 χ^2/NDF: 3936181.8/49

All: 2928.770+/-0.313 χ^2/NDF: 45942965.4/1

- sign 2249.543+/-0.379 χ^2/NDF: 31894933.5/52



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -138.385+/-486.256 χ^2/NDF: 30.4/29

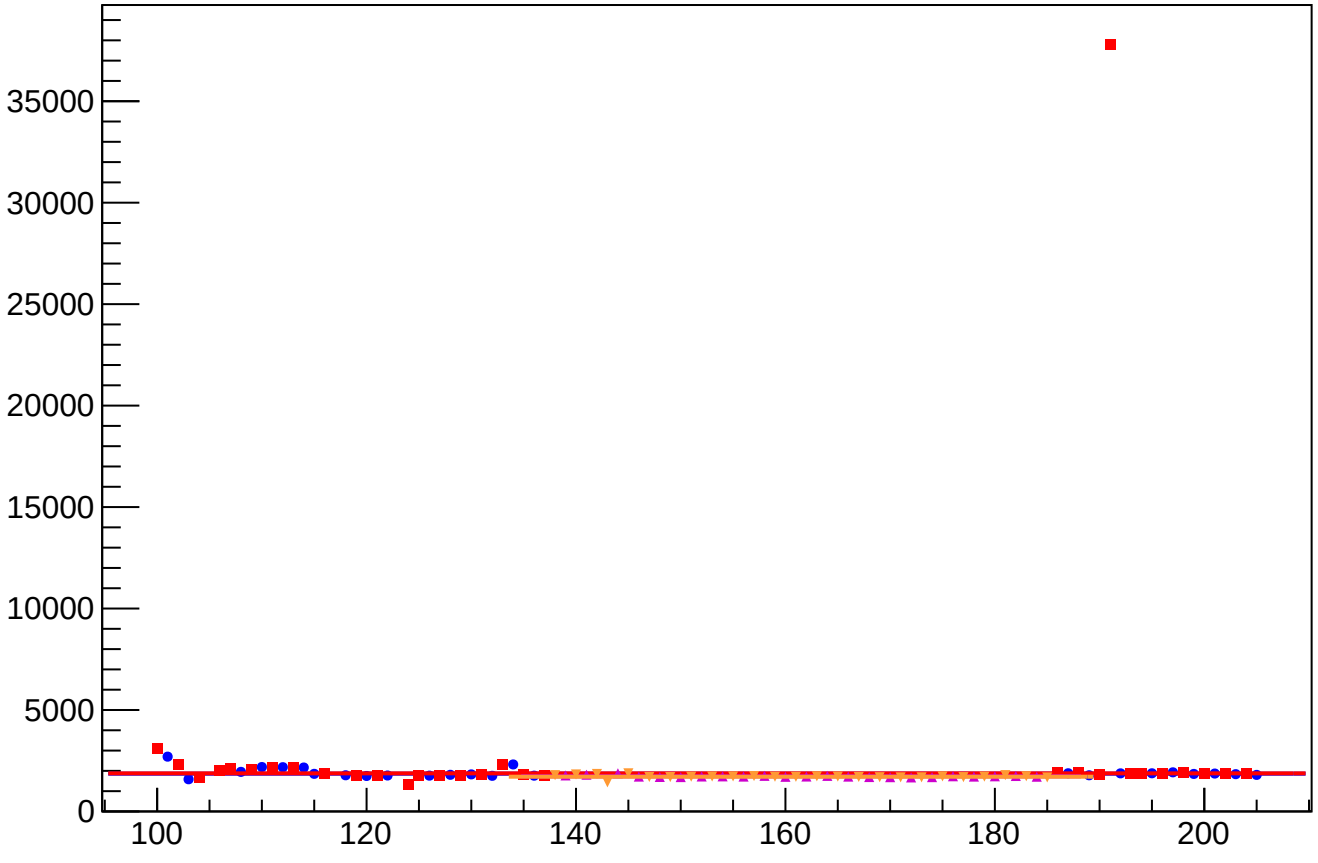
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -235.512+/-306.736 χ^2/NDF: 52.3/49

All: 69.073+/-218.323 χ^2/NDF: 105.7/102

- sign 381.815+/-310.816 χ^2/NDF: 51.3/52

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

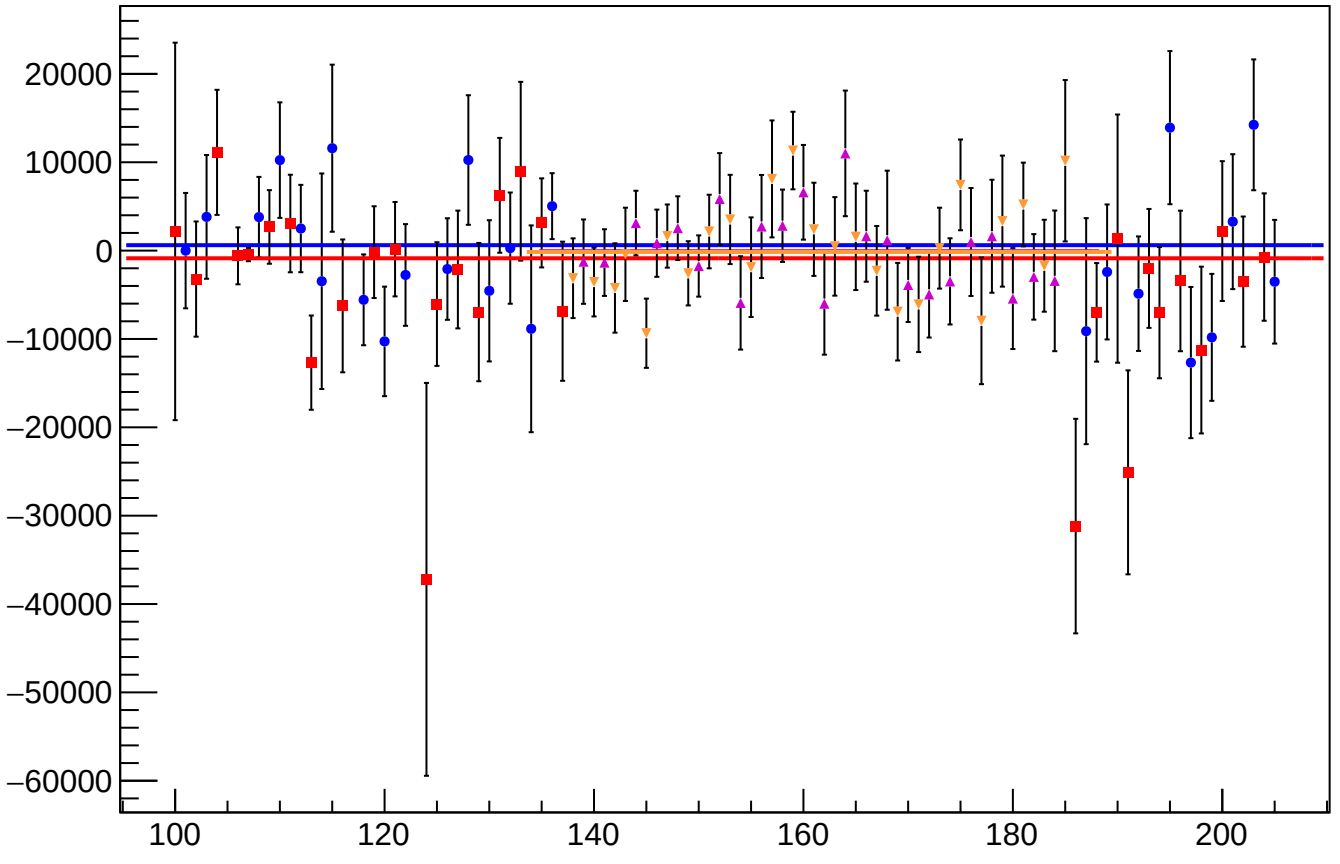
Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.5/29

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.814+/-0.217 χ^2/NDF: 468340.8/49

All: 1779.549+/-0.154 χ^2/NDF: 1015347.7/10

- sign 1790.569+/-0.220 χ^2/NDF: 542042.3/52



Right In: 614.628+/-1305.755 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -867.563+/-635.209 χ^2/NDF: 31.4/29

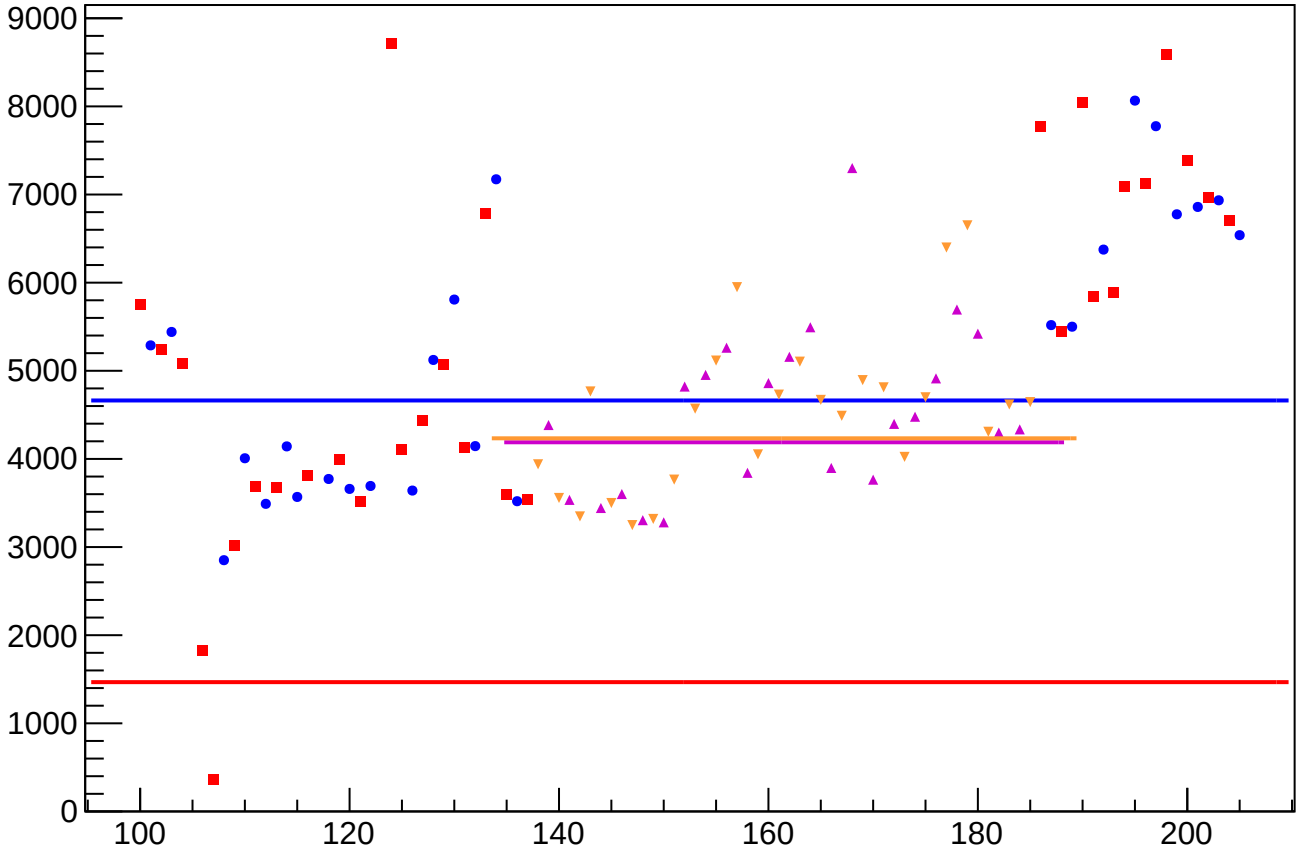
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 127.196+/-786.347 χ^2/NDF: 53.0/49

All: -394.395+/-443.008 χ^2/NDF: 99.6/102

- sign -636.918+/-536.198 χ^2/NDF: 45.9/52

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4663.227+/-0.923 χ^2/NDF: 2513613.9/24

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

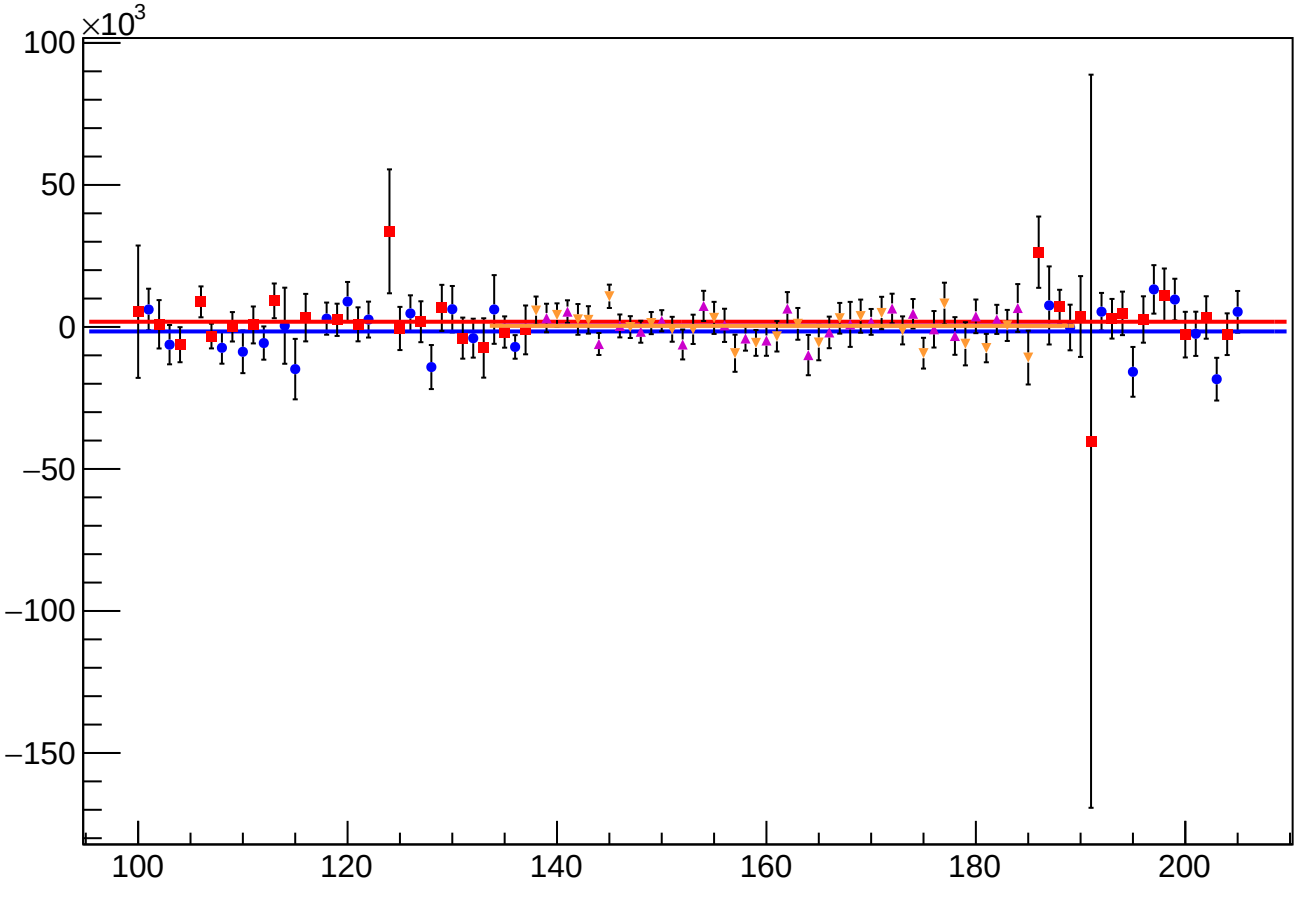
Right Out: 1467.272+/-0.449 χ^2/NDF: 19995993.3/29

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4389.608+/-0.556 χ^2/NDF: 3936193.1/49

All: 2928.812+/-0.313 χ^2/NDF: 45941848.9/1

- sign 2249.589+/-0.379 χ^2/NDF: 31894299.2/52



Right In: -1580.885+/-1422.841 χ^2/NDF: 31.2/24

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1836.413+/-1319.964 χ^2/NDF: 17.6/29

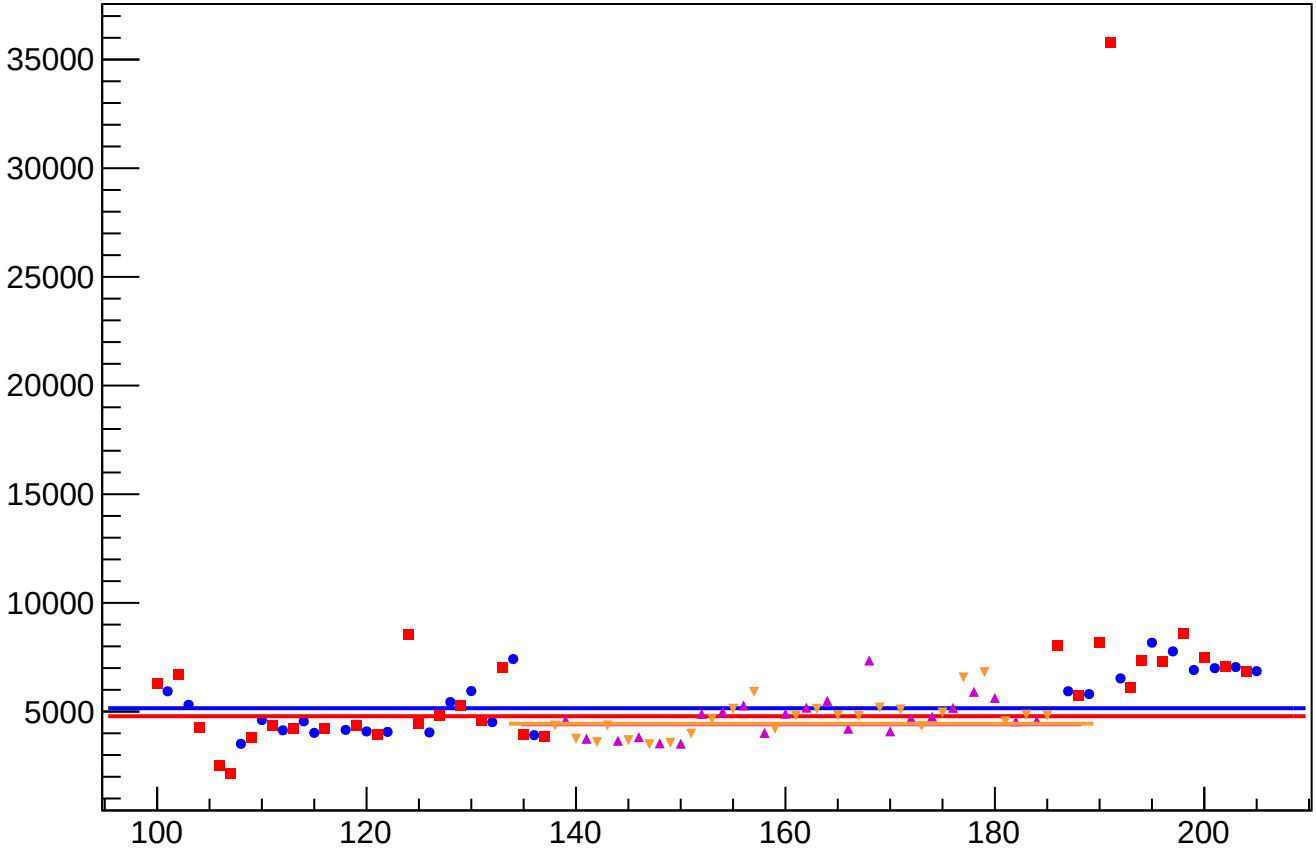
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -280.854+/-833.499 χ^2/NDF: 57.2/49

All: 378.730+/-585.110 χ^2/NDF: 94.0/102

- sign 1019.570+/-821.570 χ^2/NDF: 35.6/52

asym_atl1r2_dd_rms vs Slug



Right In: 5153.656+/-1.006 χ^2/NDF: 1800902.9/24

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4785.068+/-0.927 χ^2/NDF: 3494431.6/29

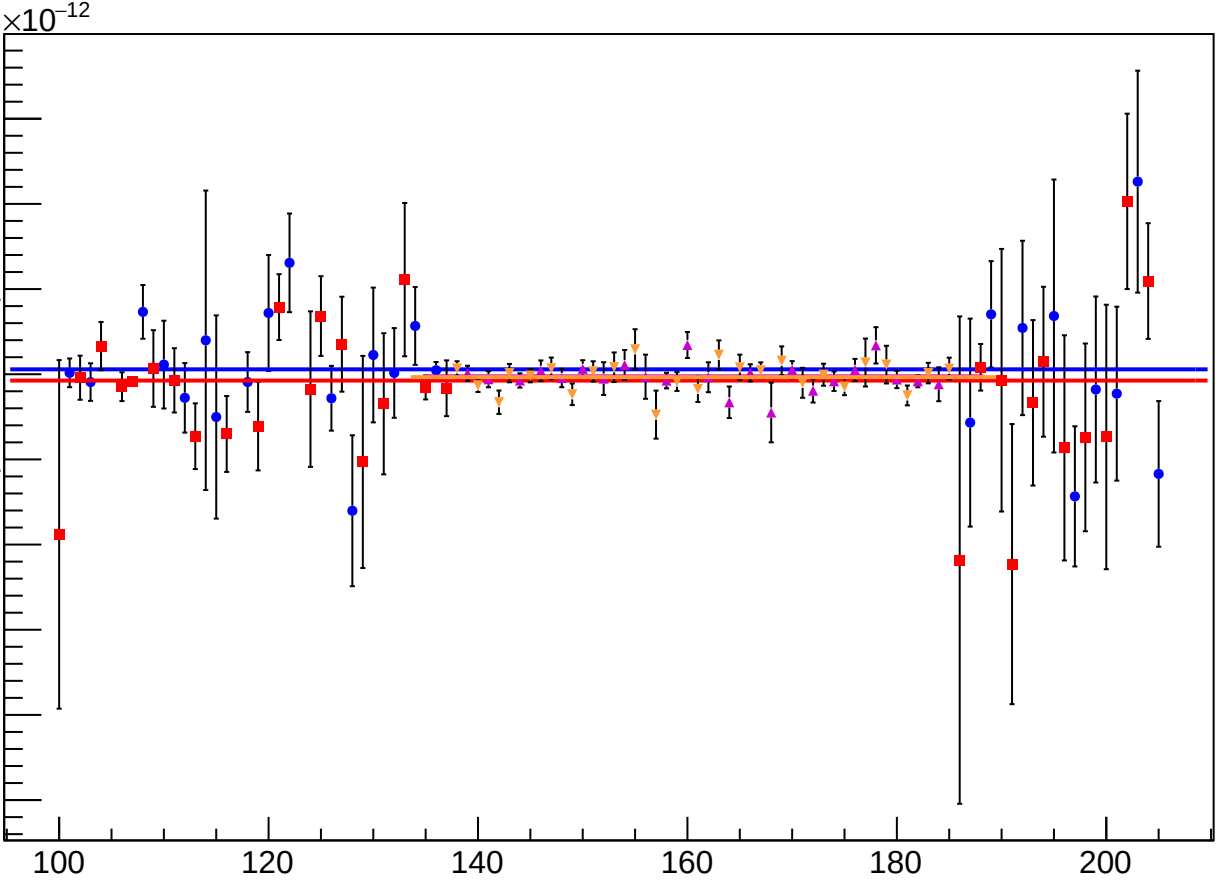
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4685.430+/-0.589 χ^2/NDF: 3203759.3/49

All: 4621.567+/-0.413 χ^2/NDF: 7929658.2/10

- sign 4559.870+/-0.579 χ^2/NDF: 4702814.4/52

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/29

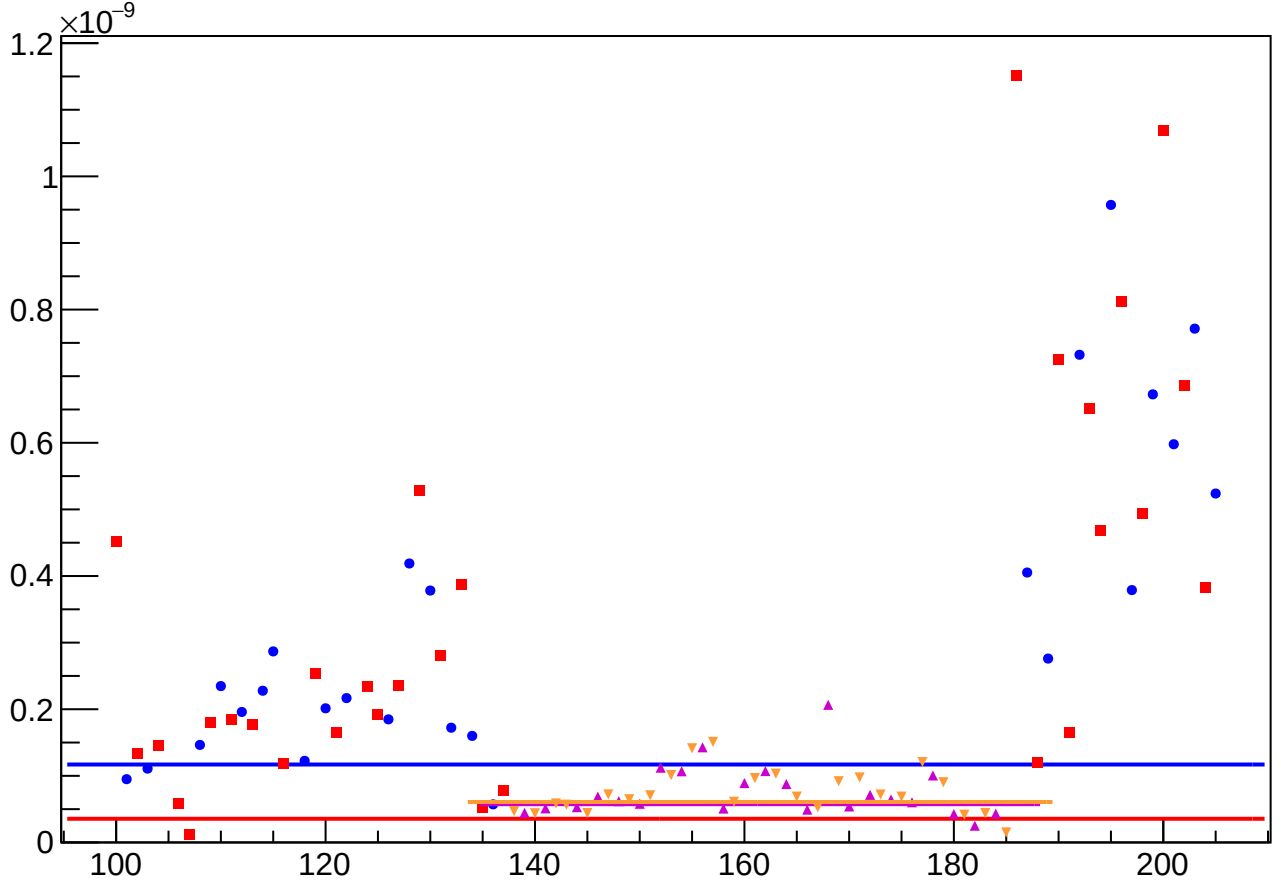
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/49

All: -0.000+/-0.000 χ^2/NDF: 109.6/102

- sign -0.000+/-0.000 χ^2/NDF: 51.6/52

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5328888.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9863620.4/29

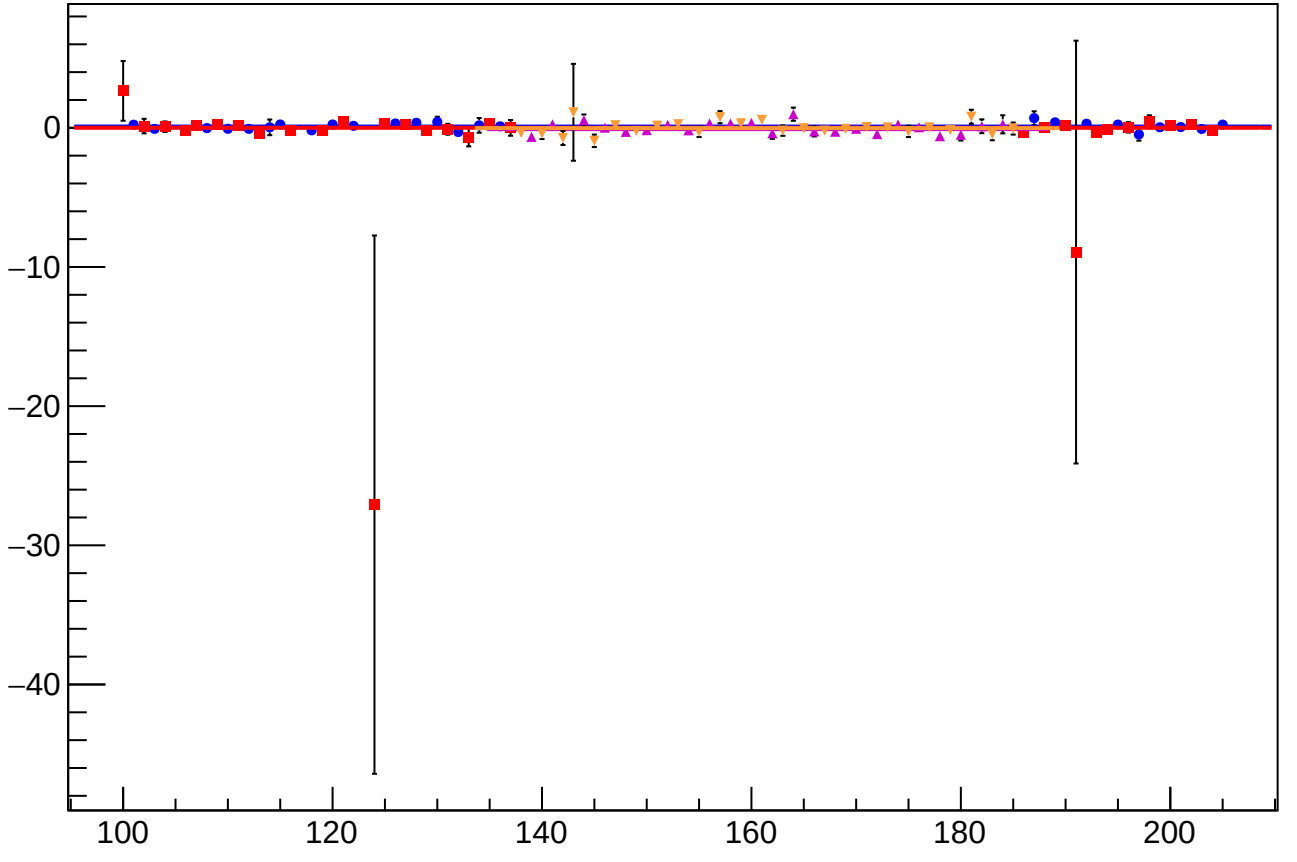
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8307313.7/49

All: 0.000+/-0.000 χ^2/NDF: 21316028.8/102

- sign 0.000+/-0.000 χ^2/NDF: 12310851.2/52

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

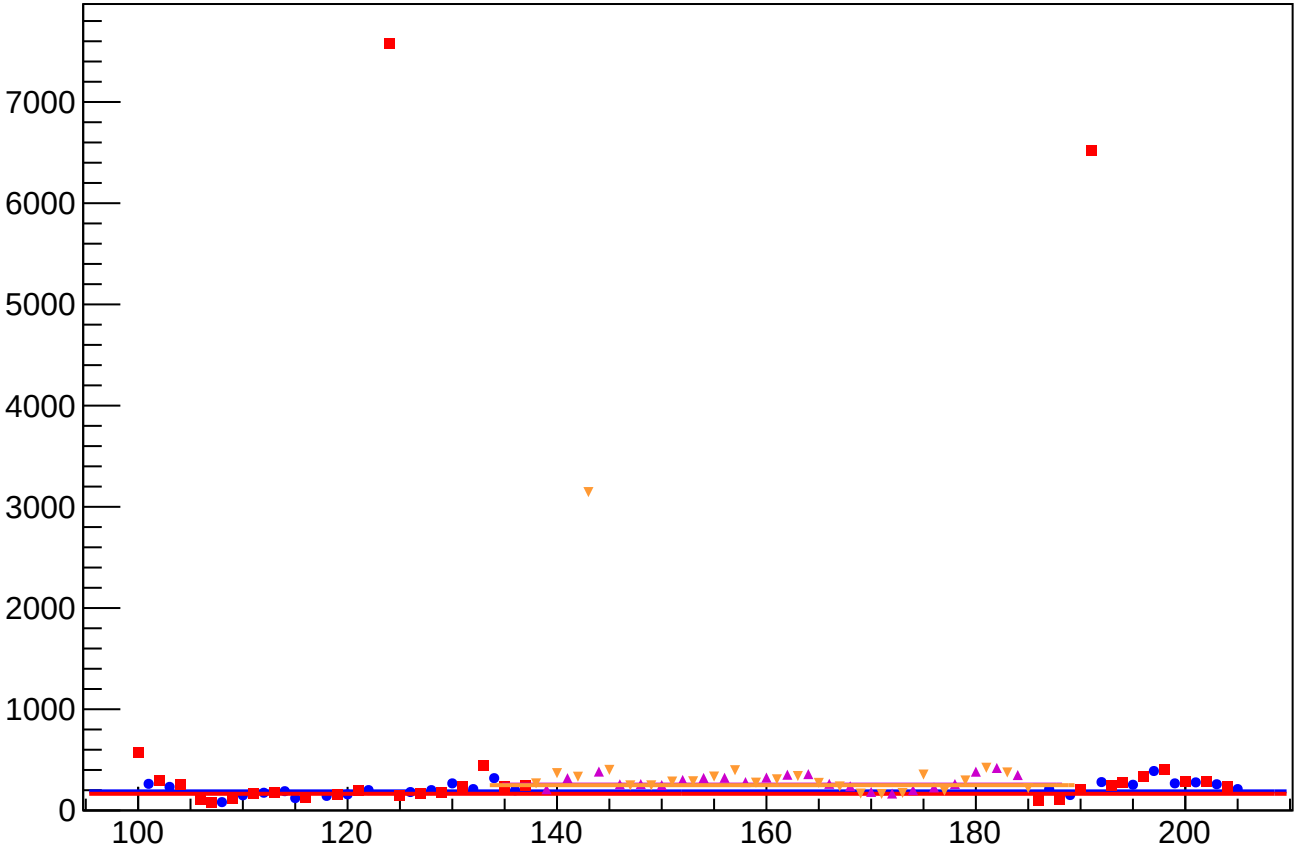
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: 0.001+/-0.028 χ^2/NDF: 103.5/102

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

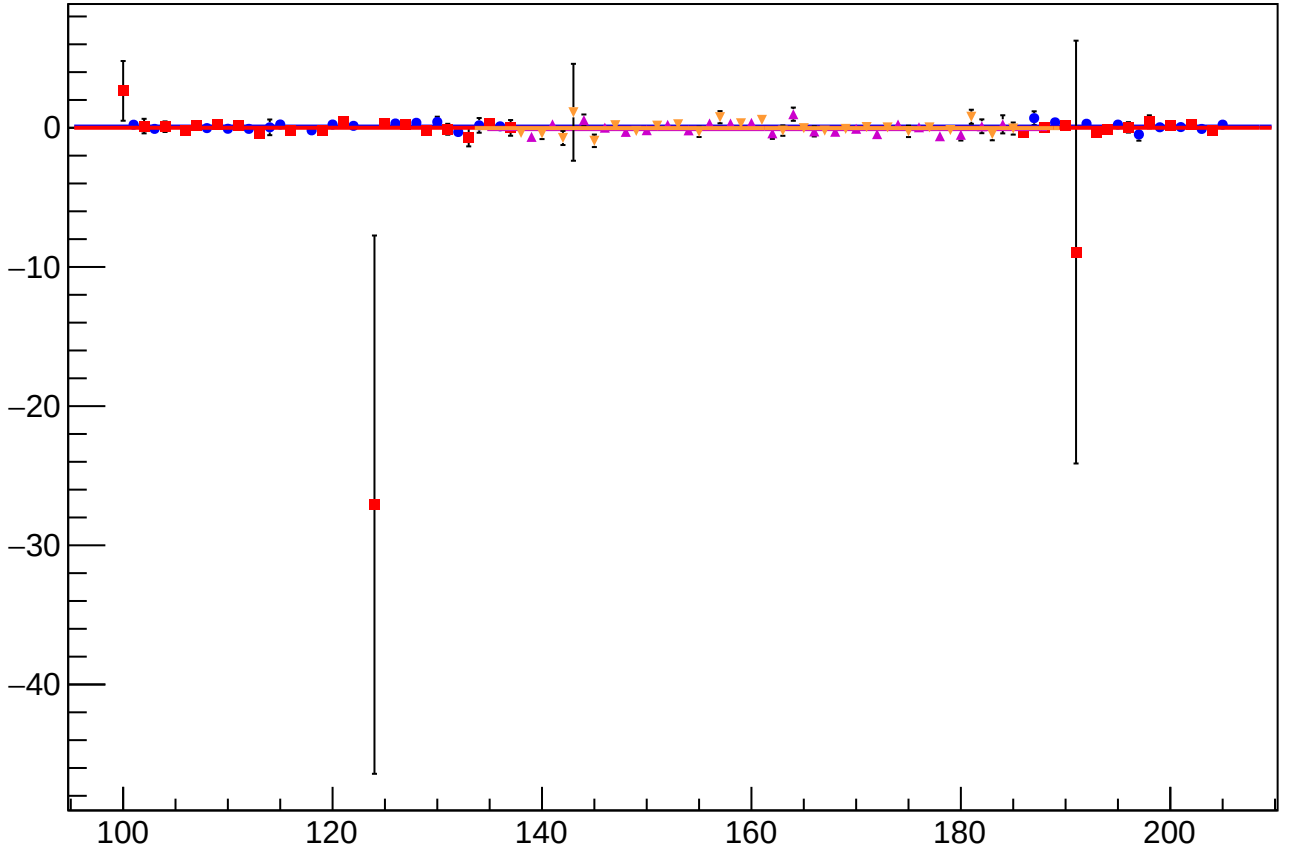
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 215.589+/-0.029 χ^2/NDF: 8295175.2/49

All: 206.447+/-0.020 χ^2/NDF: 18467071.3/10

- sign 198.376+/-0.027 χ^2/NDF: 9983714.8/52

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

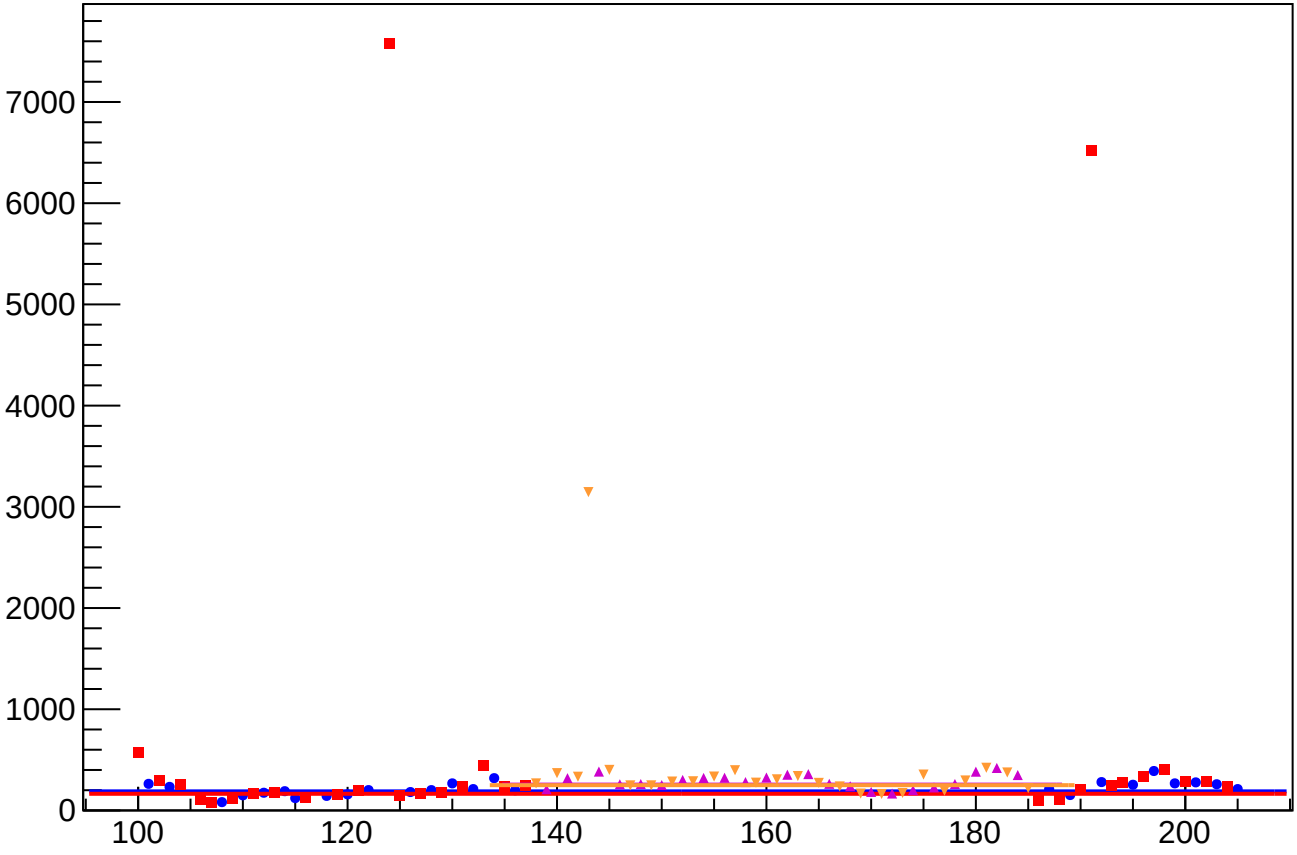
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: 0.001+/-0.028 χ^2/NDF: 103.5/102

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

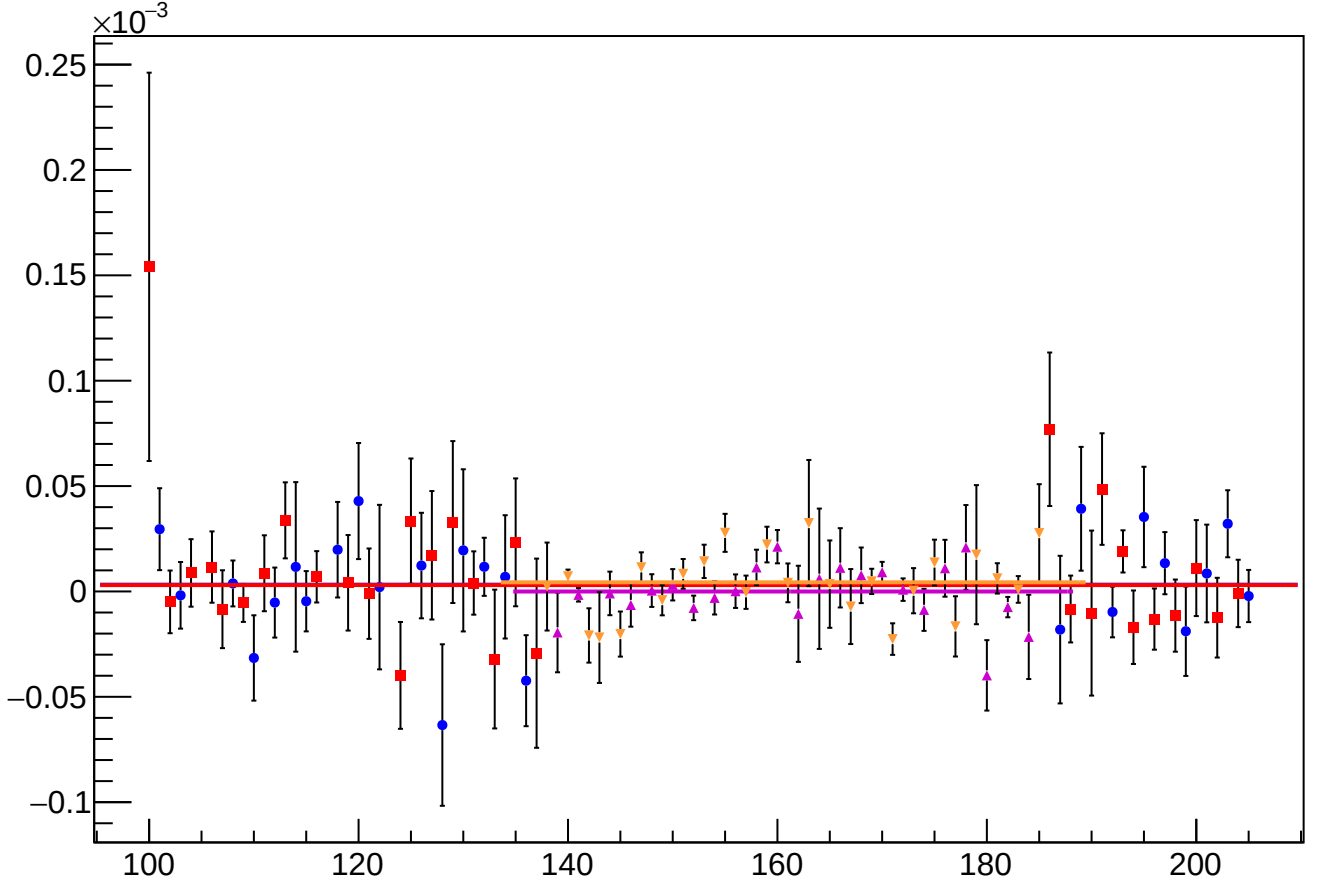
Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 215.589+/-0.029 χ^2/NDF: 8295175.2/49

All: 206.447+/-0.020 χ^2/NDF: 18467071.3/10

- sign 198.376+/-0.027 χ^2/NDF: 9983714.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/29

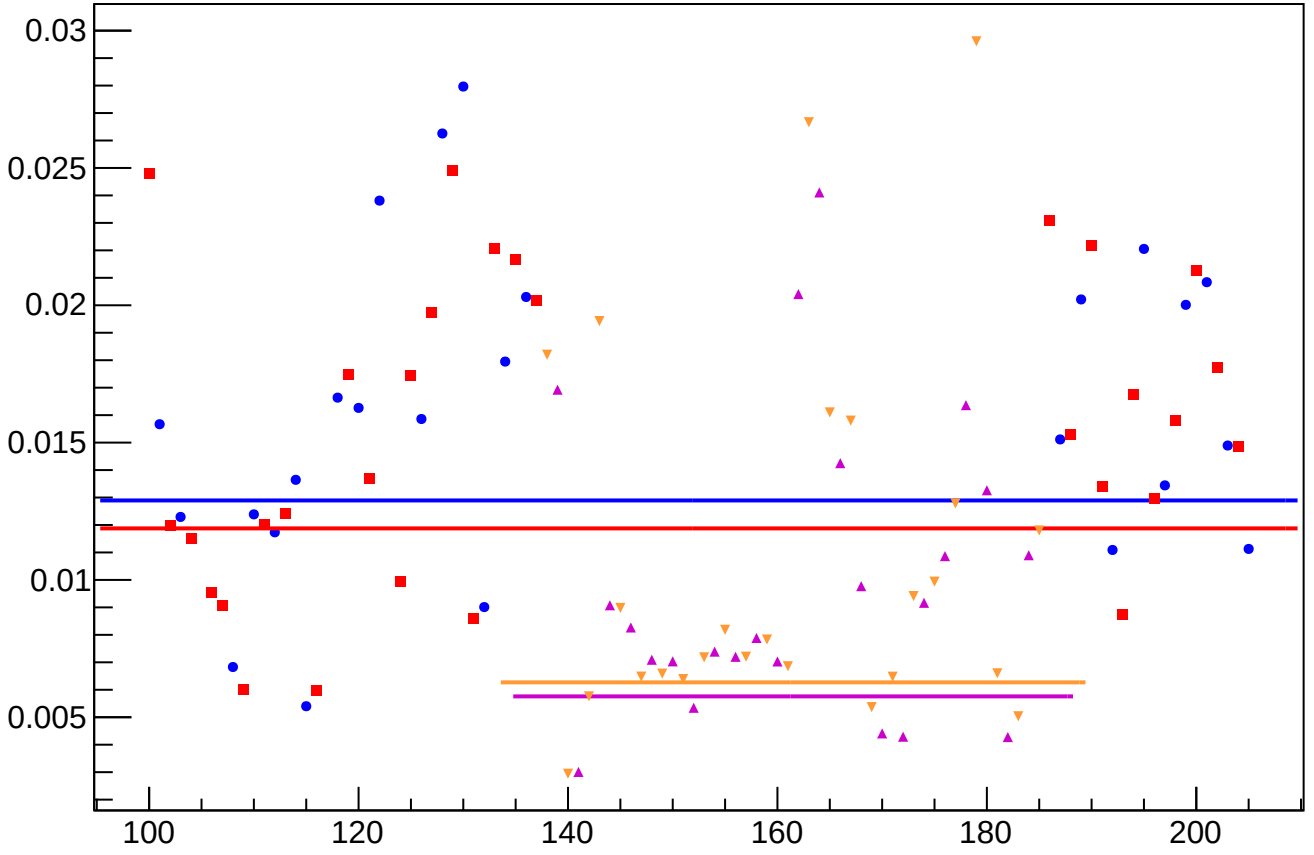
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.4/49

All: 0.000+/-0.000 χ^2/NDF: 134.1/102

- sign 0.000+/-0.000 χ^2/NDF: 58.7/52

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3505401.9/24

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4085844.7/29

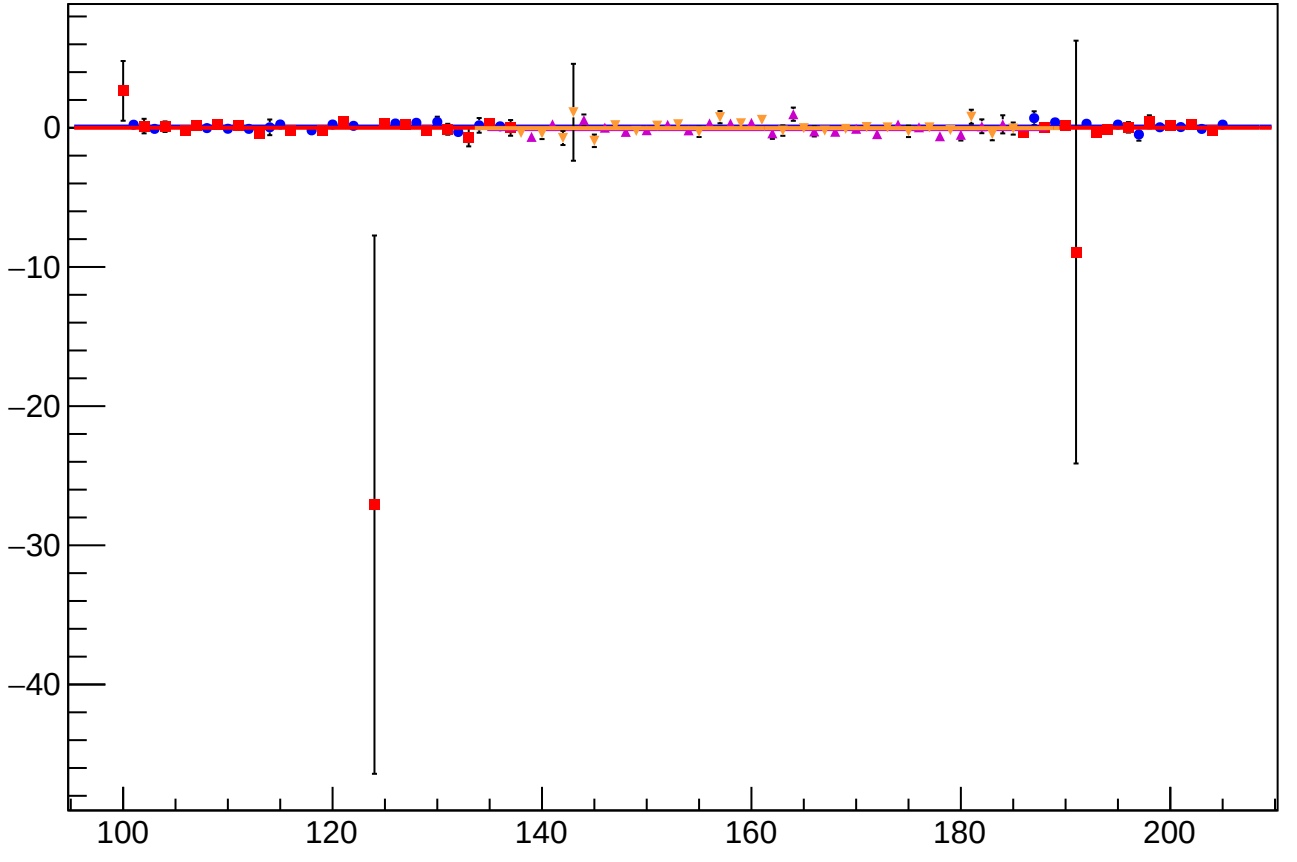
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 16689580.4/49

All: 0.007+/-0.000 χ^2/NDF: 33574020.2/102

- sign 0.007+/-0.000 χ^2/NDF: 16791633.6/52

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

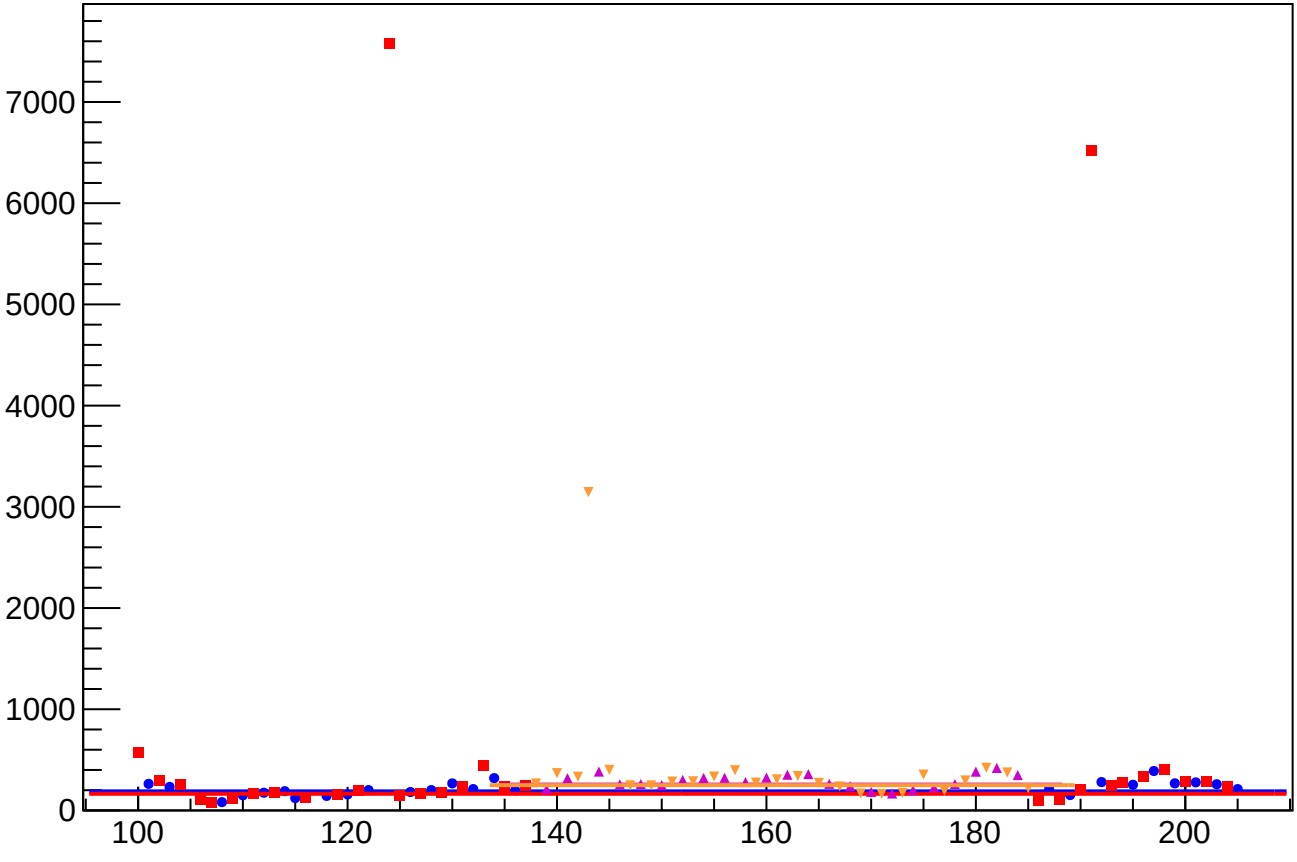
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: 0.001+/-0.028 χ^2/NDF: 103.5/102

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

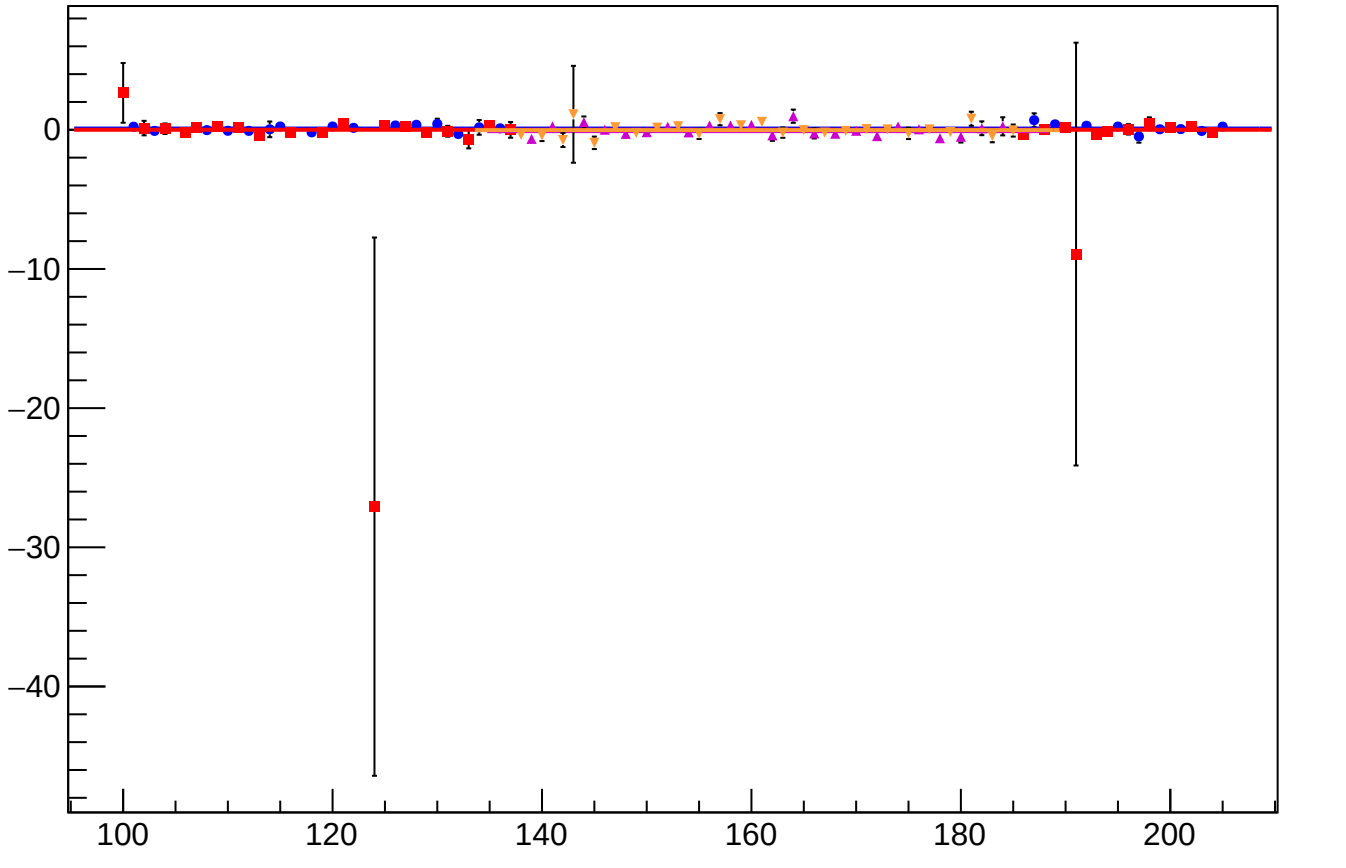
Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 215.588+/-0.029 χ^2/NDF: 8295469.7/49

All: 206.448+/-0.020 χ^2/NDF: 18467154.9/10

- sign 198.379+/-0.027 χ^2/NDF: 9983575.3/52



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

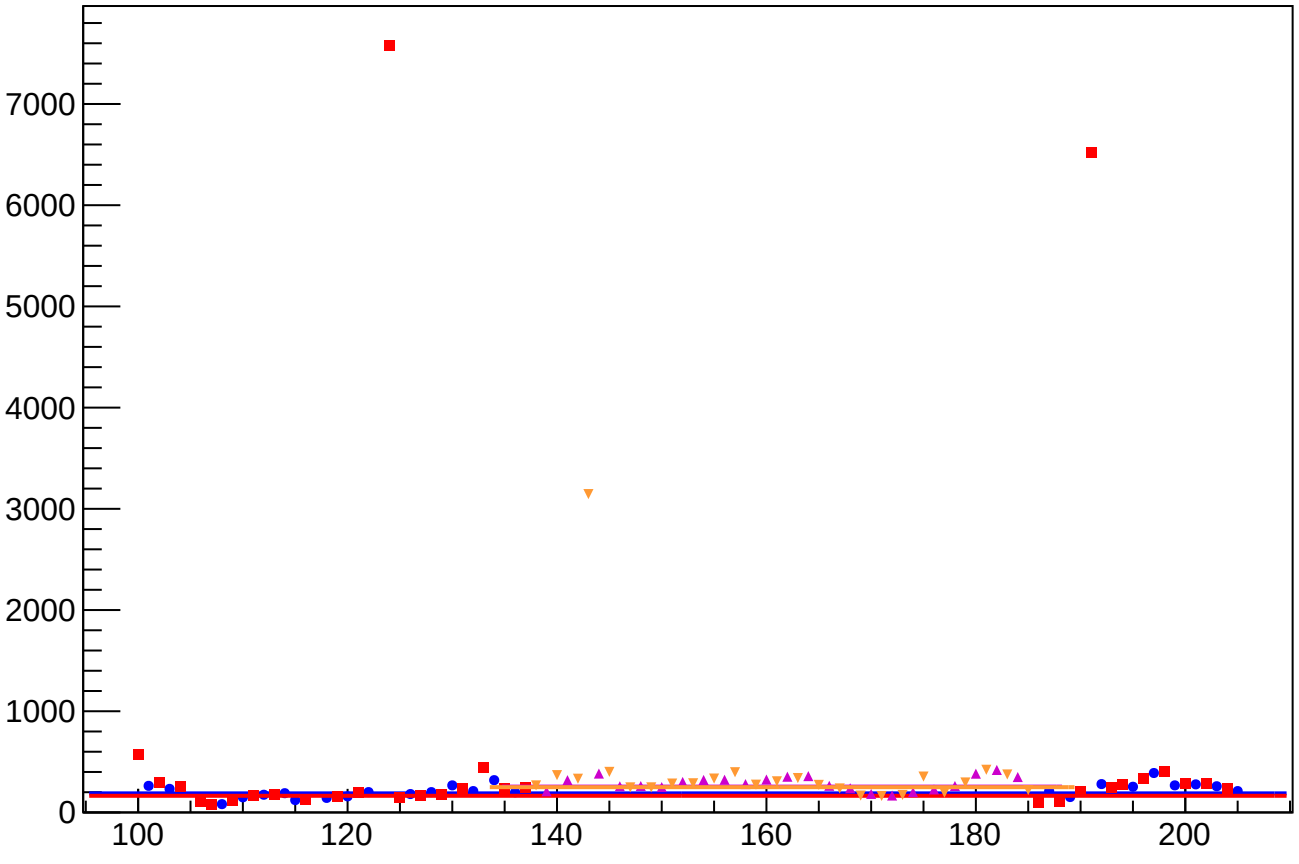
Right Out: 0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: 0.001+/-0.028 χ^2/NDF: 103.5/102

- sign -0.034+/-0.038 χ^2/NDF: 61.8/52



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

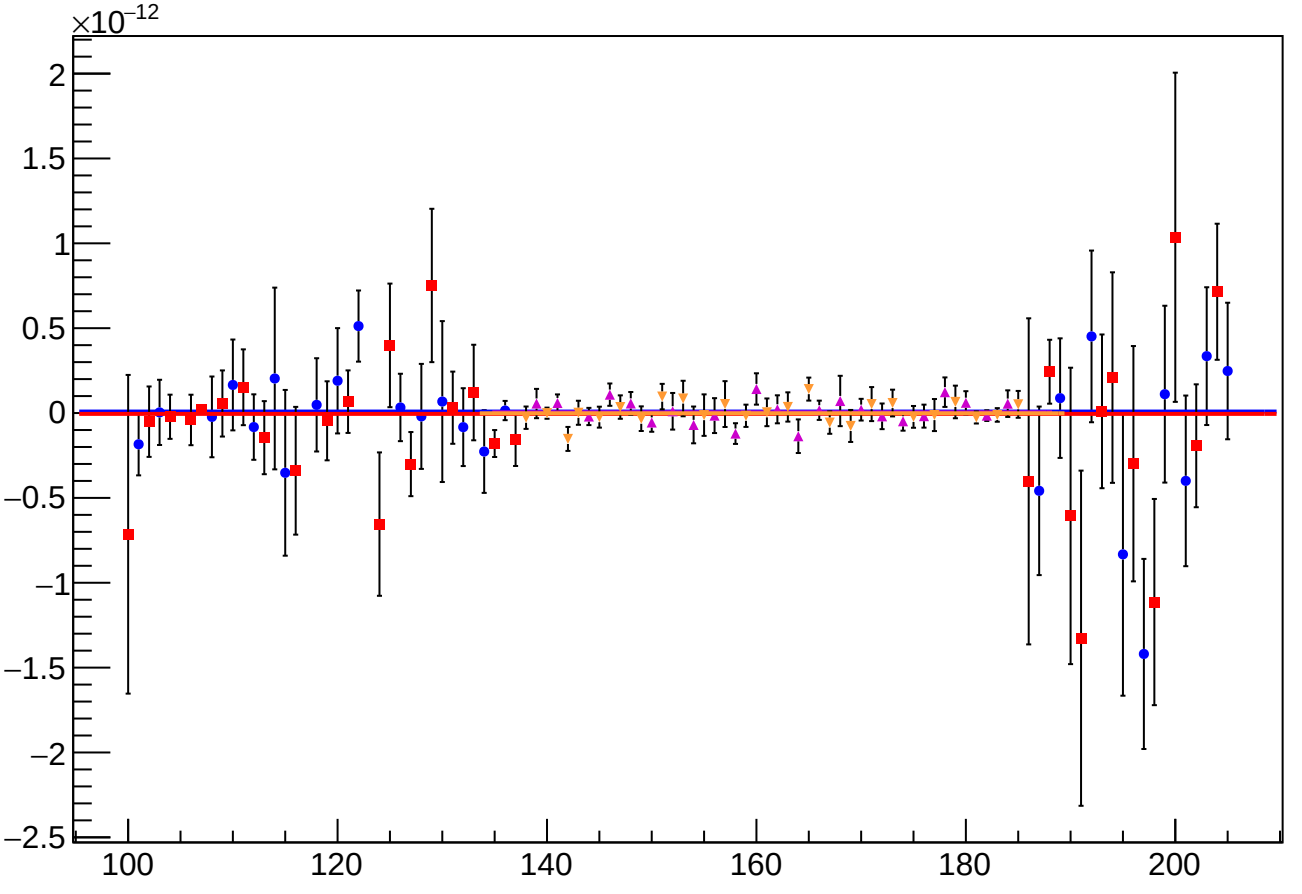
Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 215.588+/-0.029 χ^2/NDF: 8295469.7/49

All: 206.448+/-0.020 χ^2/NDF: 18467154.9/10

- sign 198.379+/-0.027 χ^2/NDF: 9983575.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

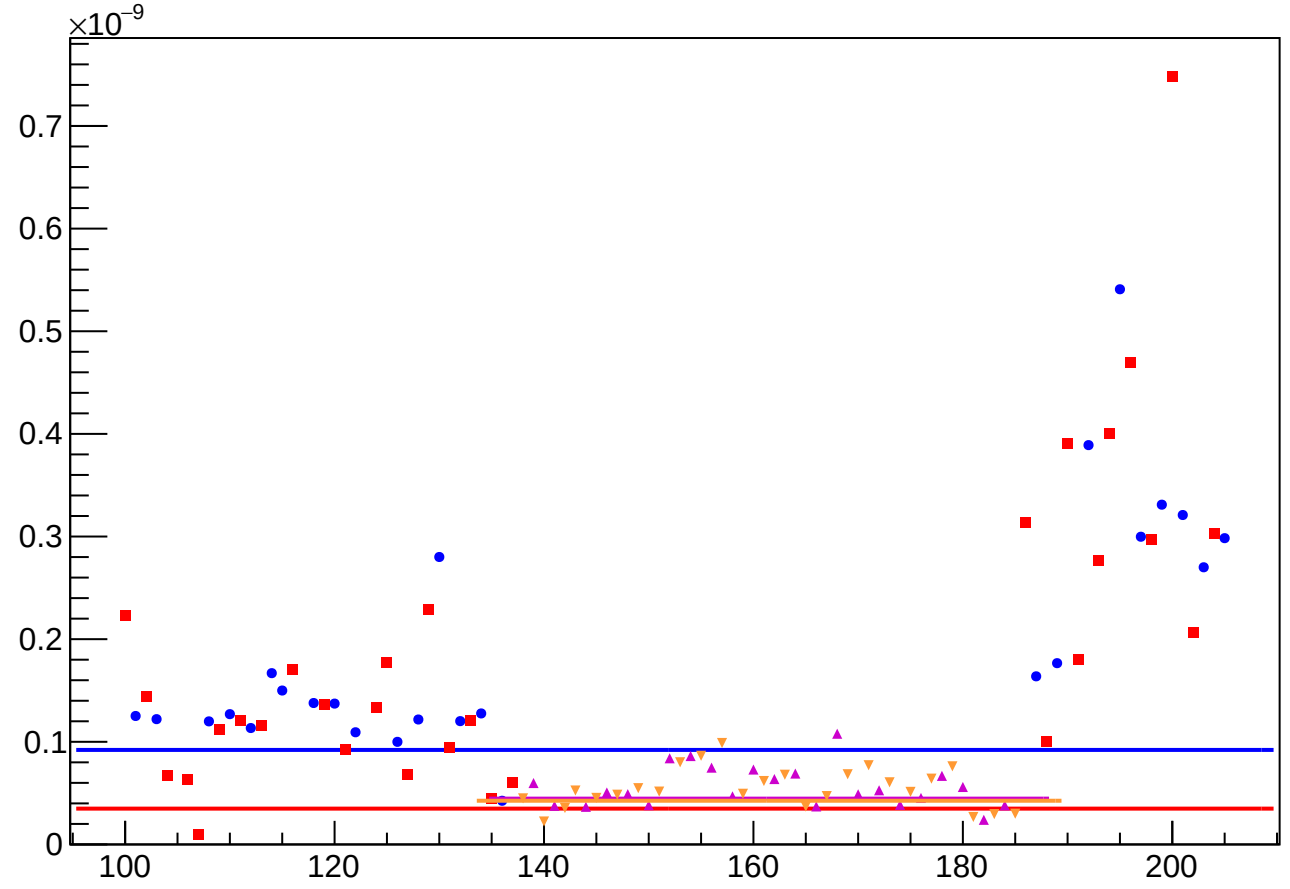
Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/29

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/49

All: 0.000+/-0.000 χ^2/NDF: 87.8/102

- sign 0.000+/-0.000 χ^2/NDF: 50.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5757588.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11229750.5/29

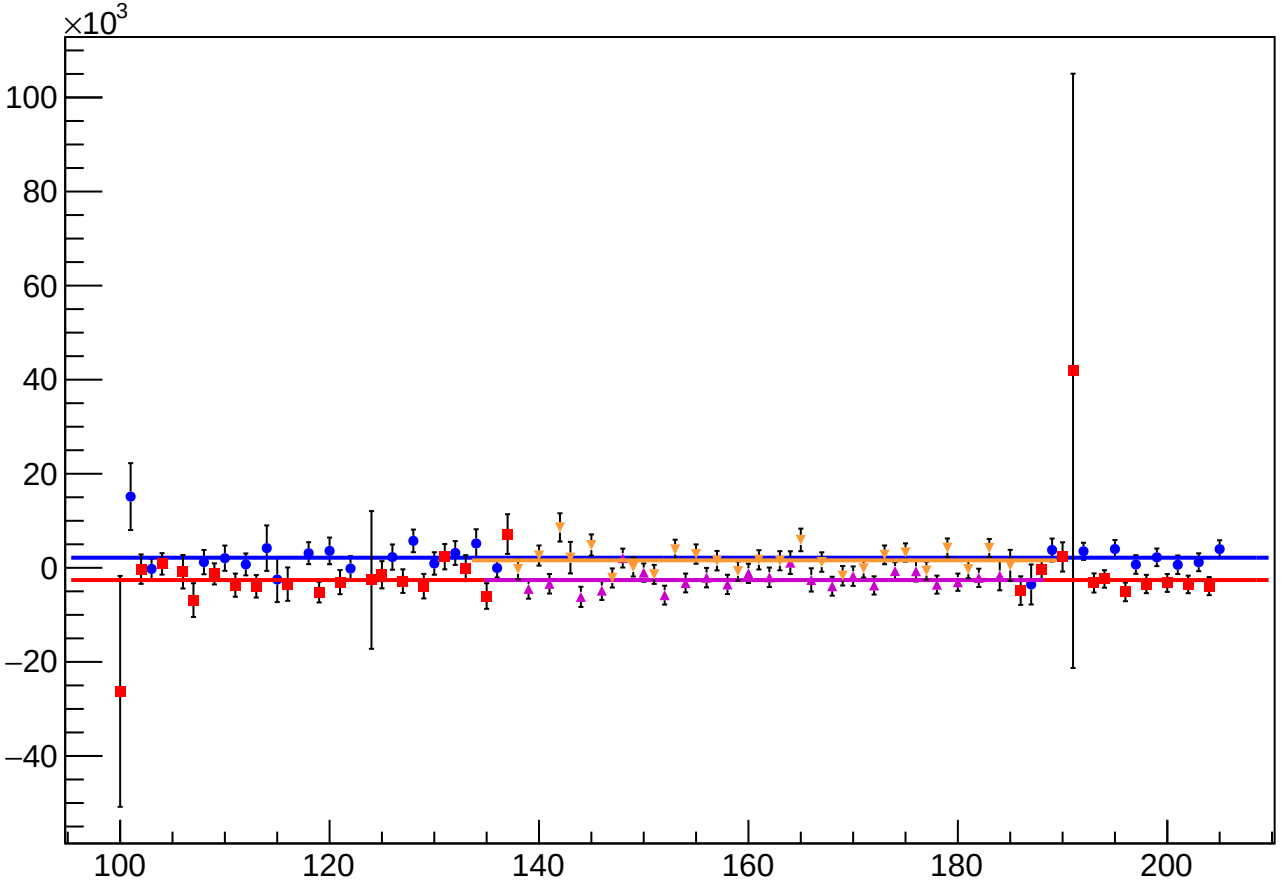
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12065890.3/49

All: 0.000+/-0.000 χ^2/NDF: 26614592.3/102

- sign 0.000+/-0.000 χ^2/NDF: 14373773.5/52

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2150.260+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.249+/-462.266 χ^2/NDF: 26.8/29

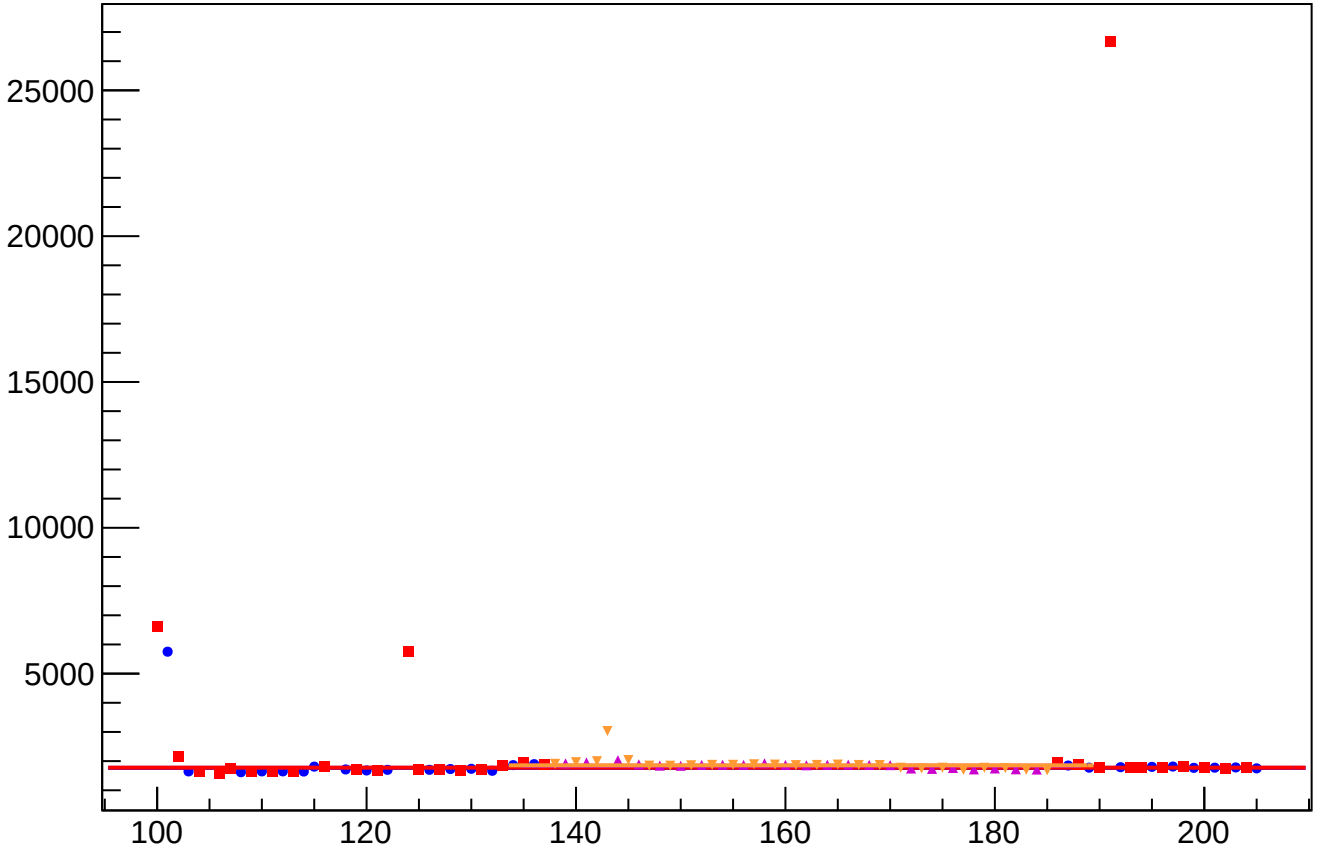
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1838.293+/-316.565 χ^2/NDF: 50.3/49

All: -391.114+/-223.276 χ^2/NDF: 195.9/102

- sign -2597.976+/-314.960 χ^2/NDF: 46.9/52

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.840+/-0.337 χ^2/NDF: 674996.9/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.422+/-0.326 χ^2/NDF: 639547.7/29

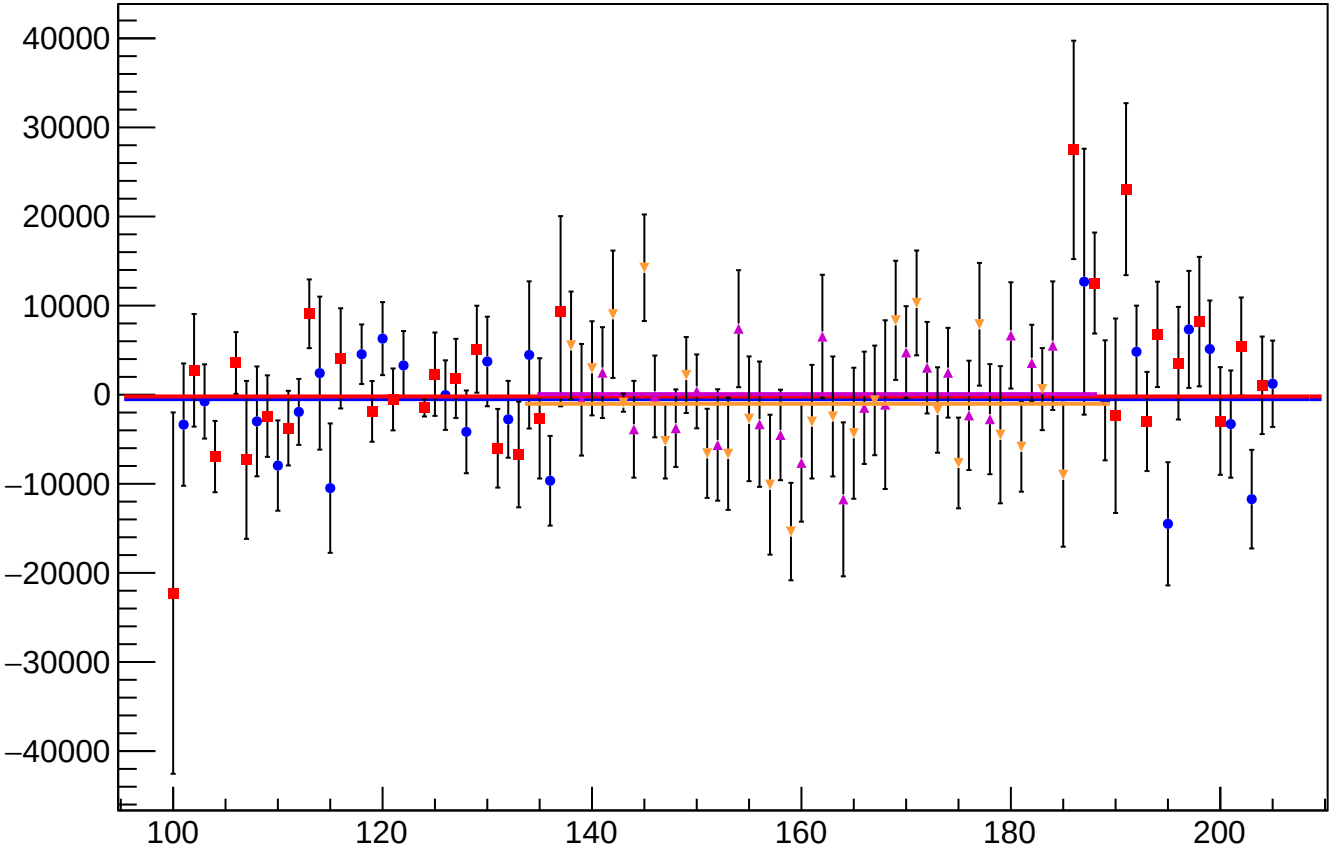
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1816.900+/-0.224 χ^2/NDF: 1037116.6/49

All: 1813.642+/-0.158 χ^2/NDF: 1769708.1/10

- sign 1810.427+/-0.222 χ^2/NDF: 732170.5/52

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -496.002+/-1015.615 χ^2/NDF: 28.8/24

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -194.529+/-681.310 χ^2/NDF: 41.6/29

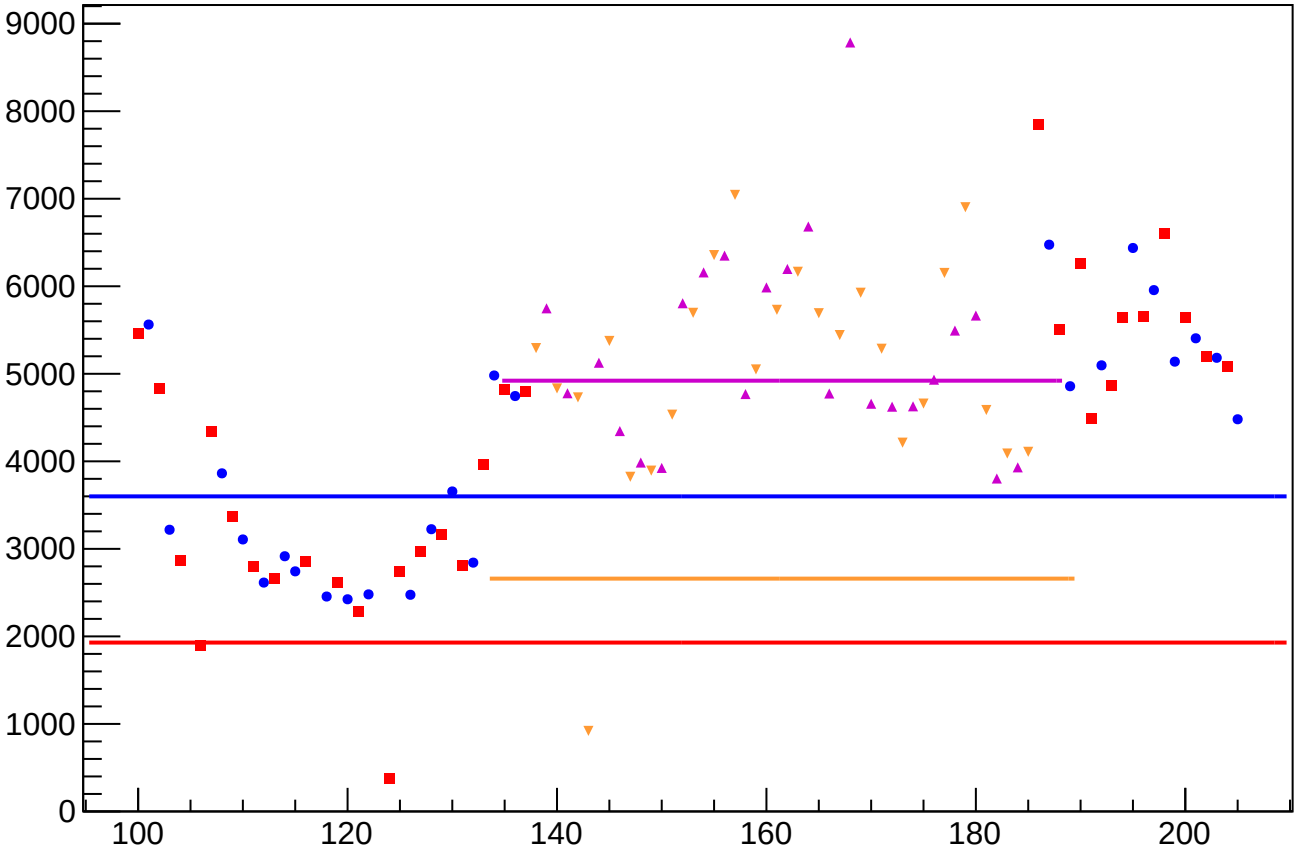
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -827.445+/-614.506 χ^2/NDF: 62.7/49

All: -463.940+/-425.291 χ^2/NDF: 118.1/102

- sign -129.760+/-589.197 χ^2/NDF: 54.7/52

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3599.638+/-0.718 χ^2/NDF: 2827164.3/24

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

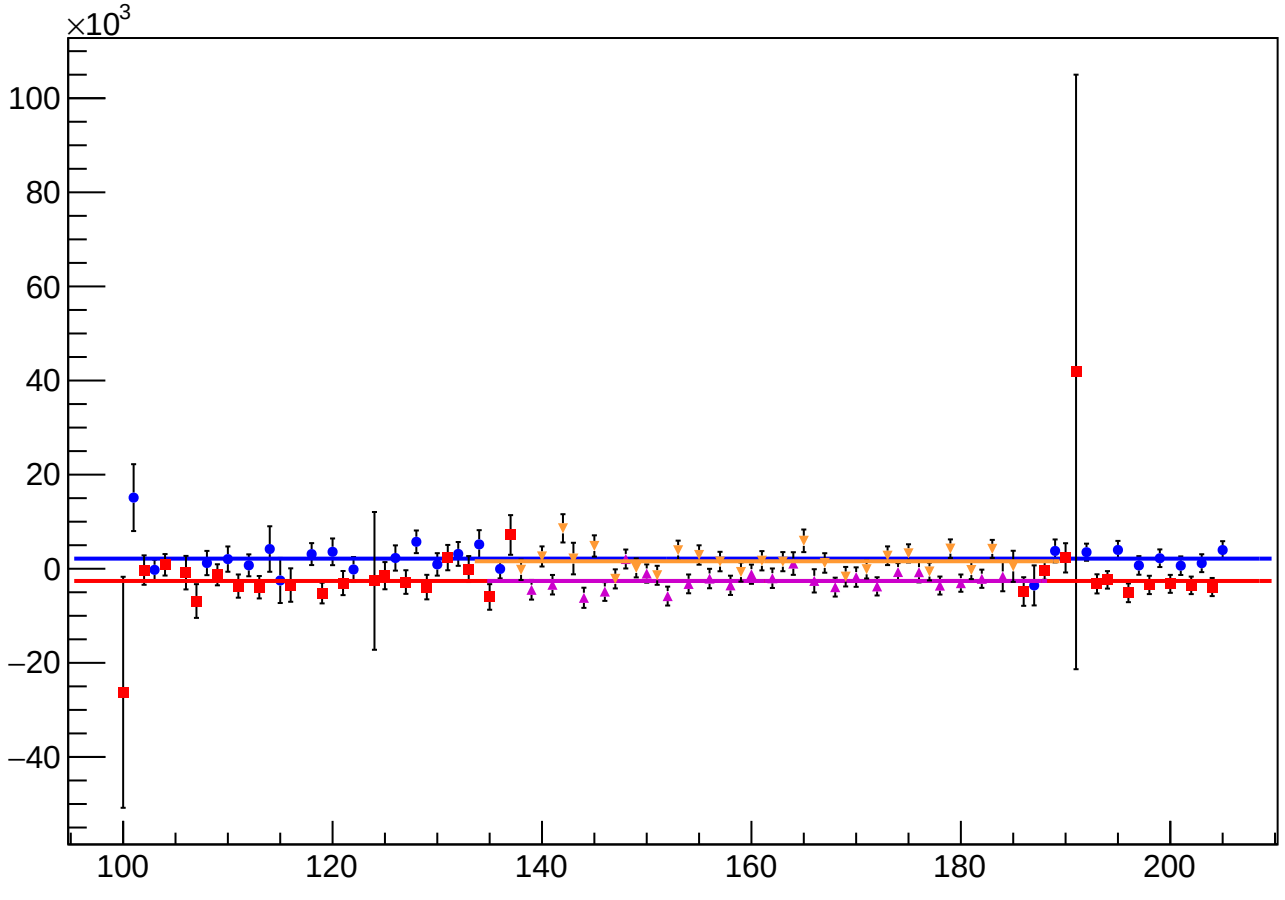
Right Out: 1929.377+/-0.482 χ^2/NDF: 14383027.4/29

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3004.003+/-0.435 χ^2/NDF: 18448437.1/49

All: 2837.123+/-0.301 χ^2/NDF: 44089891.0/1

- sign 2683.706+/-0.417 χ^2/NDF: 25358356.7/52



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.257+/-462.266 χ^2/NDF: 26.8/29

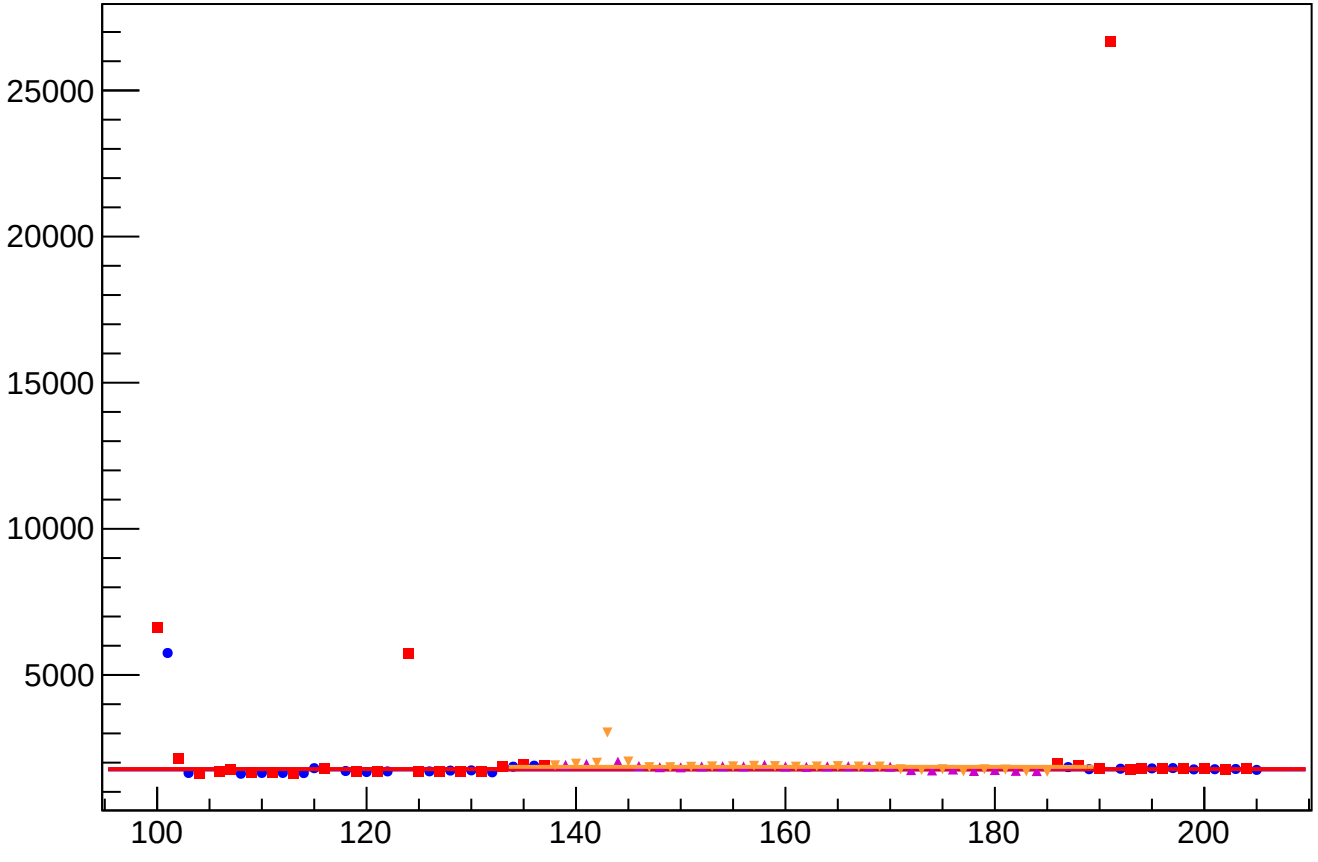
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1838.189+/-316.565 χ^2/NDF: 50.3/49

All: -391.187+/-223.276 χ^2/NDF: 195.8/102

- sign -2598.019+/-314.960 χ^2/NDF: 46.9/52

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

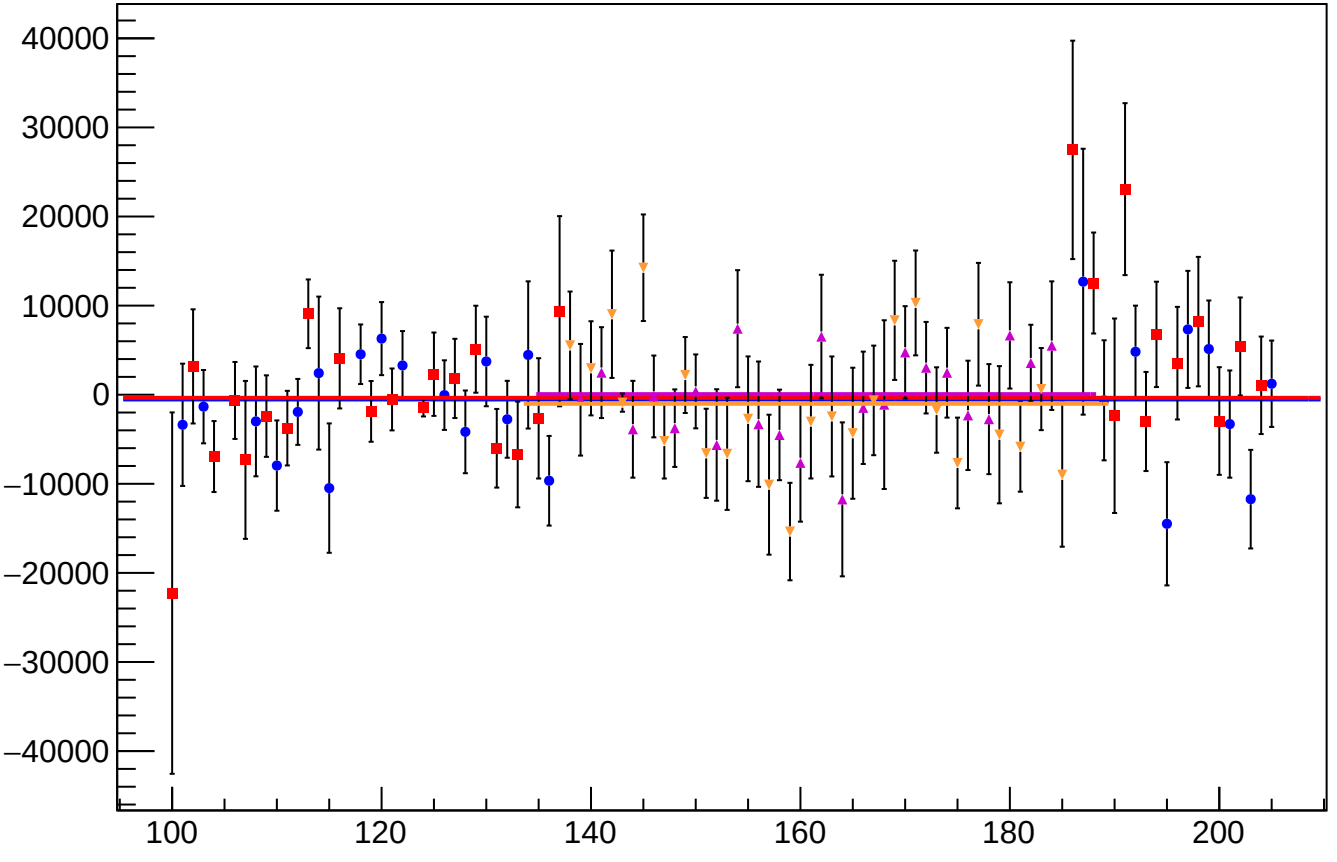
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1816.900+/-0.224 χ^2/NDF: 1037117.0/49

All: 1814.488+/-0.158 χ^2/NDF: 1758400.9/10

- sign 1812.104+/-0.223 χ^2/NDF: 721053.0/52

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -350.769+/-686.037 χ^2/NDF: 40.5/29

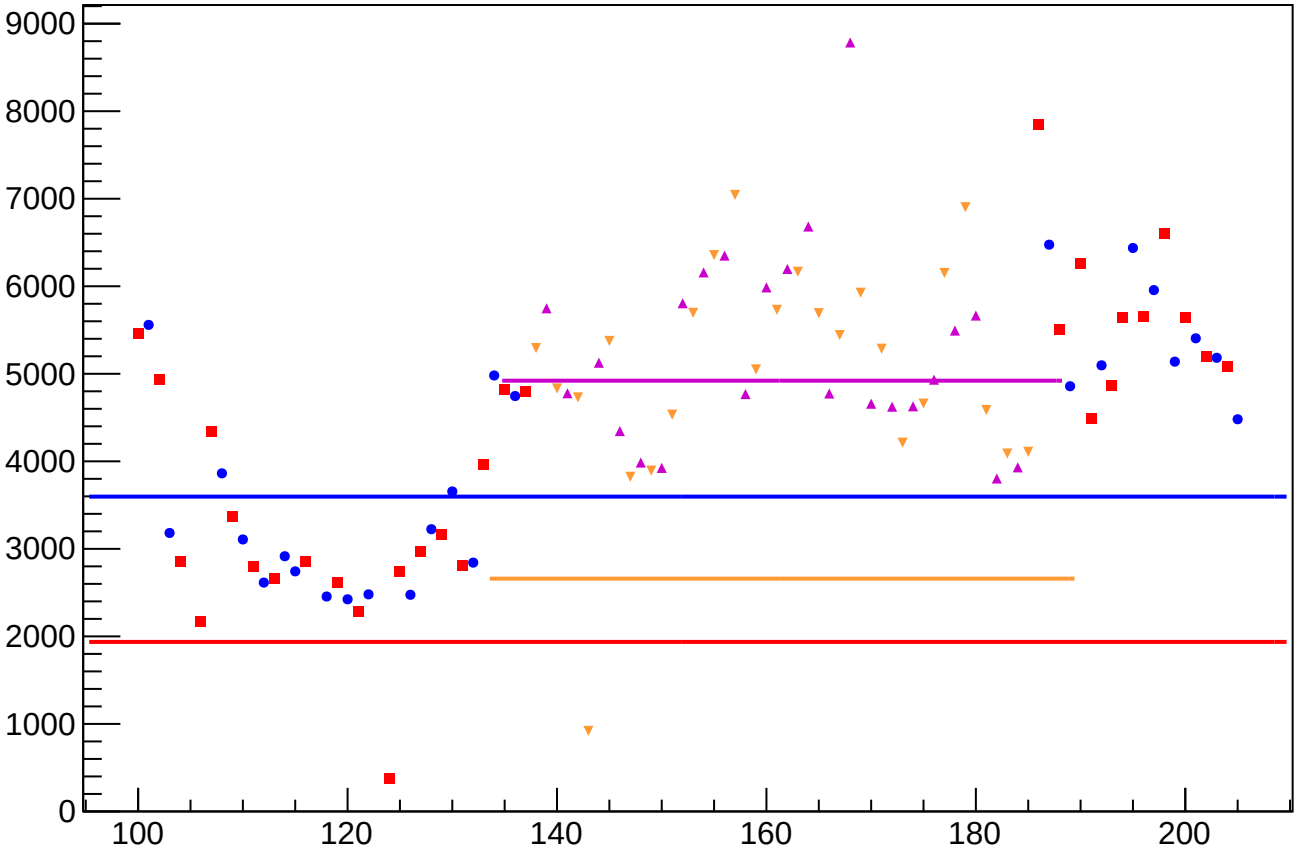
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -840.483+/-614.323 χ^2/NDF: 62.7/49

All: -532.134+/-426.373 χ^2/NDF: 116.9/102

- sign -245.549+/-592.246 χ^2/NDF: 53.6/52

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

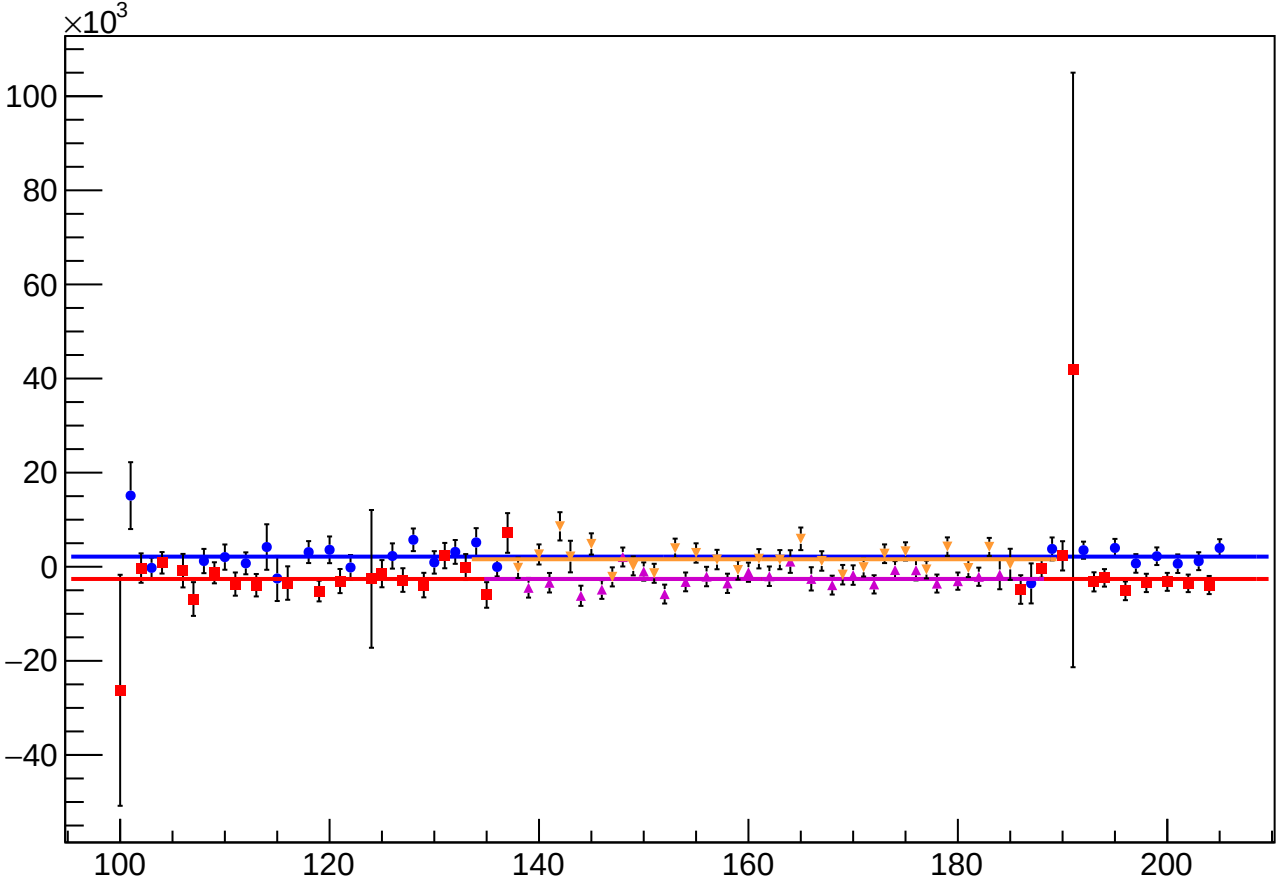
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3003.226+/-0.434 χ^2/NDF: 18447398.7/49

All: 2844.604+/-0.301 χ^2/NDF: 44001331.3/1

- sign 2697.178+/-0.419 χ^2/NDF: 25296662.8/52

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.257+/-462.266 χ^2/NDF: 26.8/29

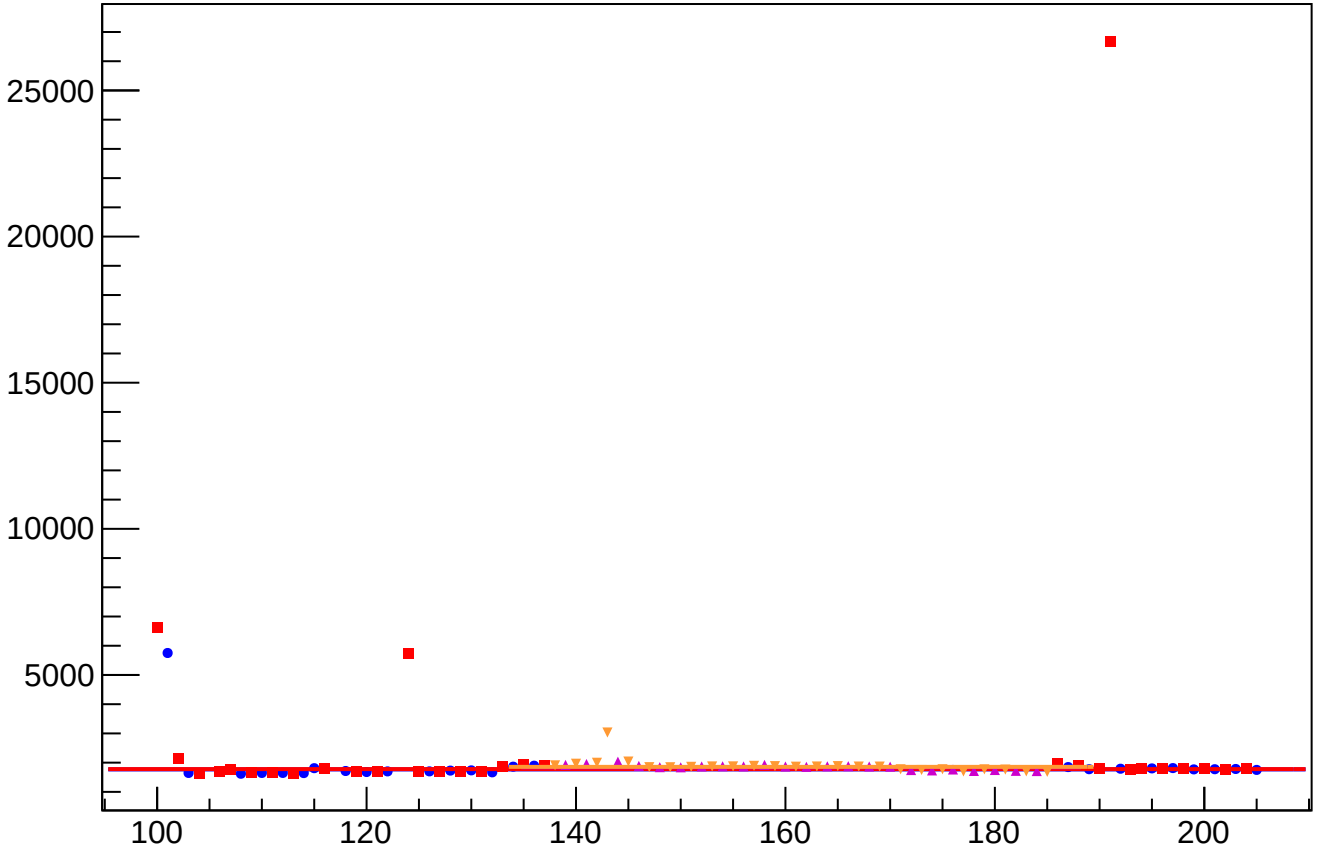
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1838.189+/-316.565 χ^2/NDF: 50.3/49

All: -391.187+/-223.276 χ^2/NDF: 195.8/102

- sign -2598.019+/-314.960 χ^2/NDF: 46.9/52

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

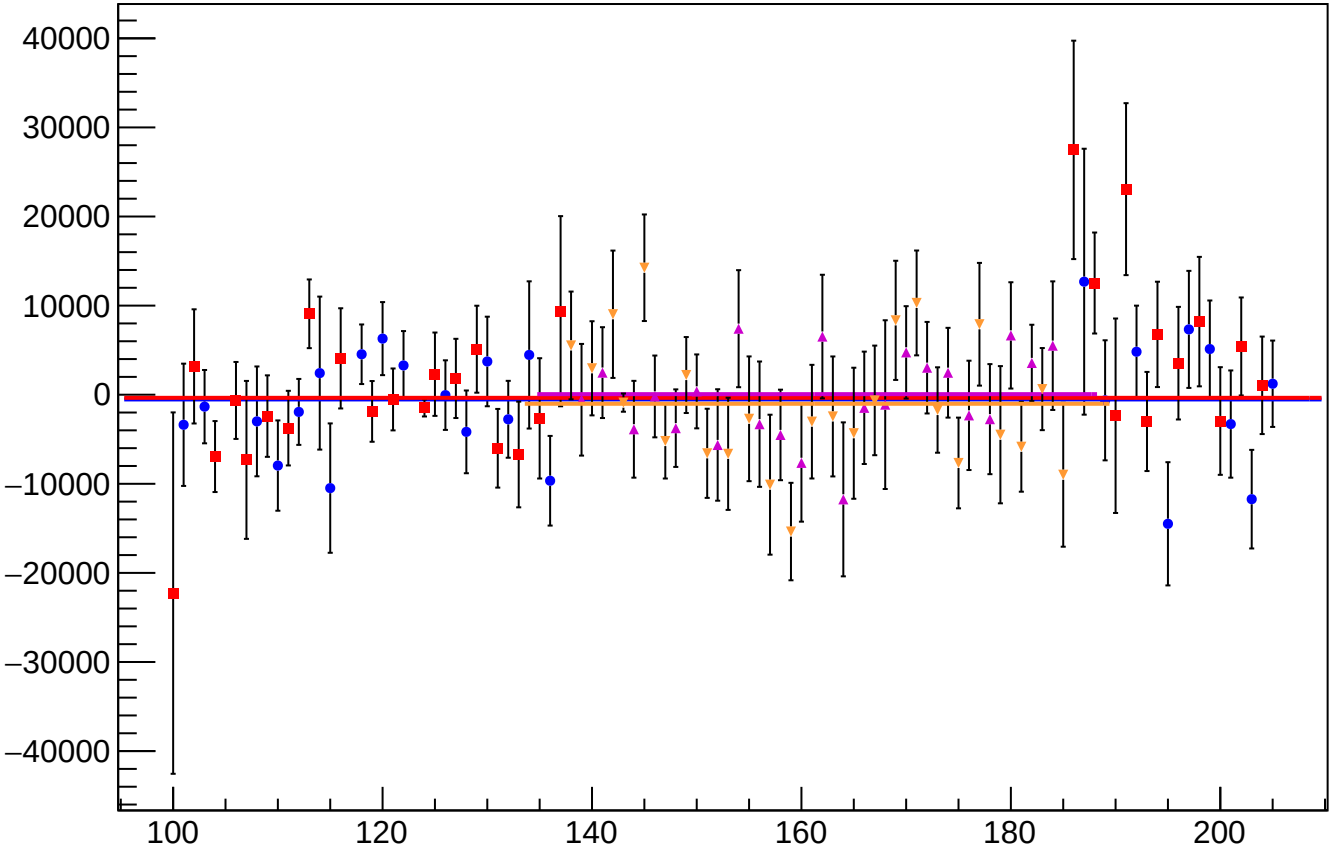
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1816.900+/-0.224 χ^2/NDF: 1037117.0/49

All: 1814.488+/-0.158 χ^2/NDF: 1758400.9/10

- sign 1812.104+/-0.223 χ^2/NDF: 721053.0/52

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -350.769+/-686.037 χ^2/NDF: 40.5/29

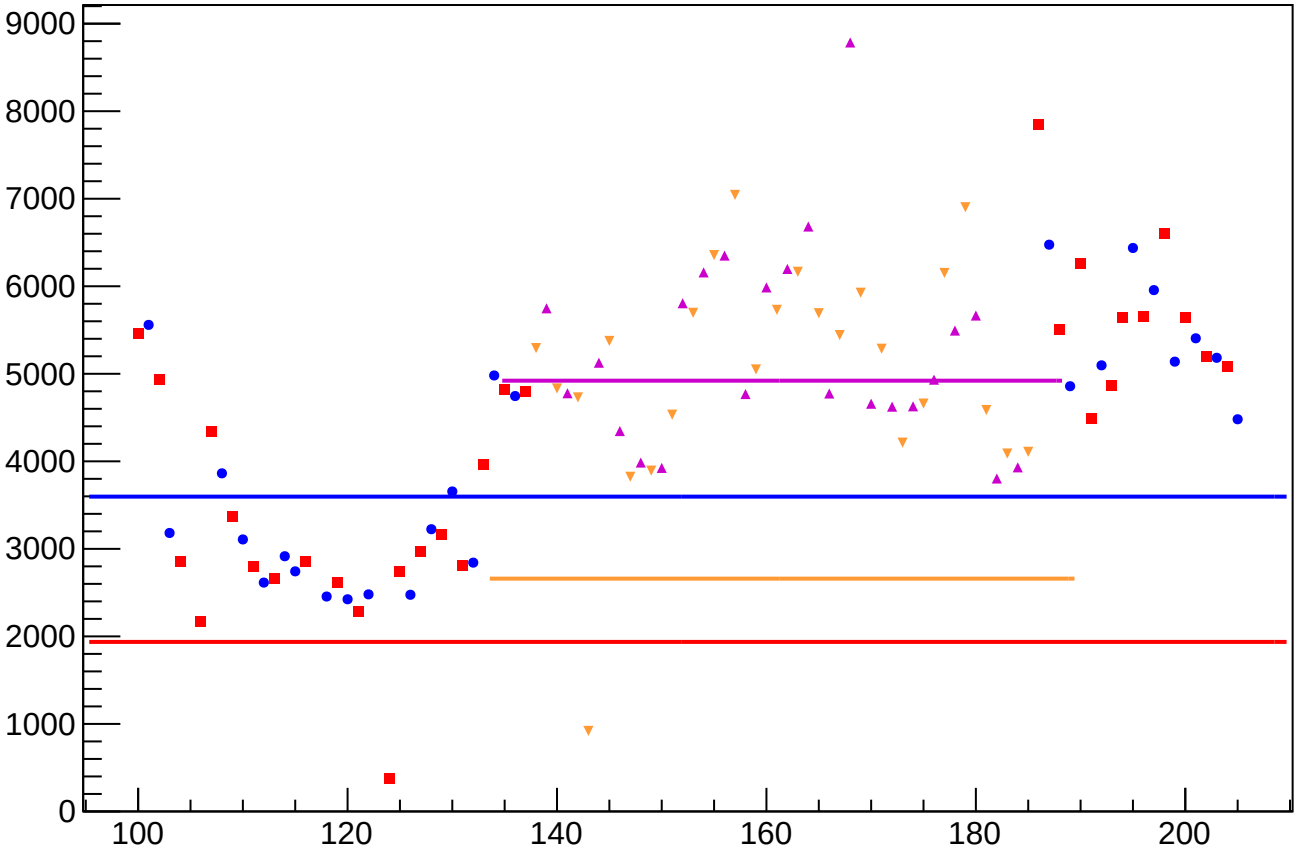
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -840.483+/-614.323 χ^2/NDF: 62.7/49

All: -532.134+/-426.373 χ^2/NDF: 116.9/102

- sign -245.549+/-592.246 χ^2/NDF: 53.6/52

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

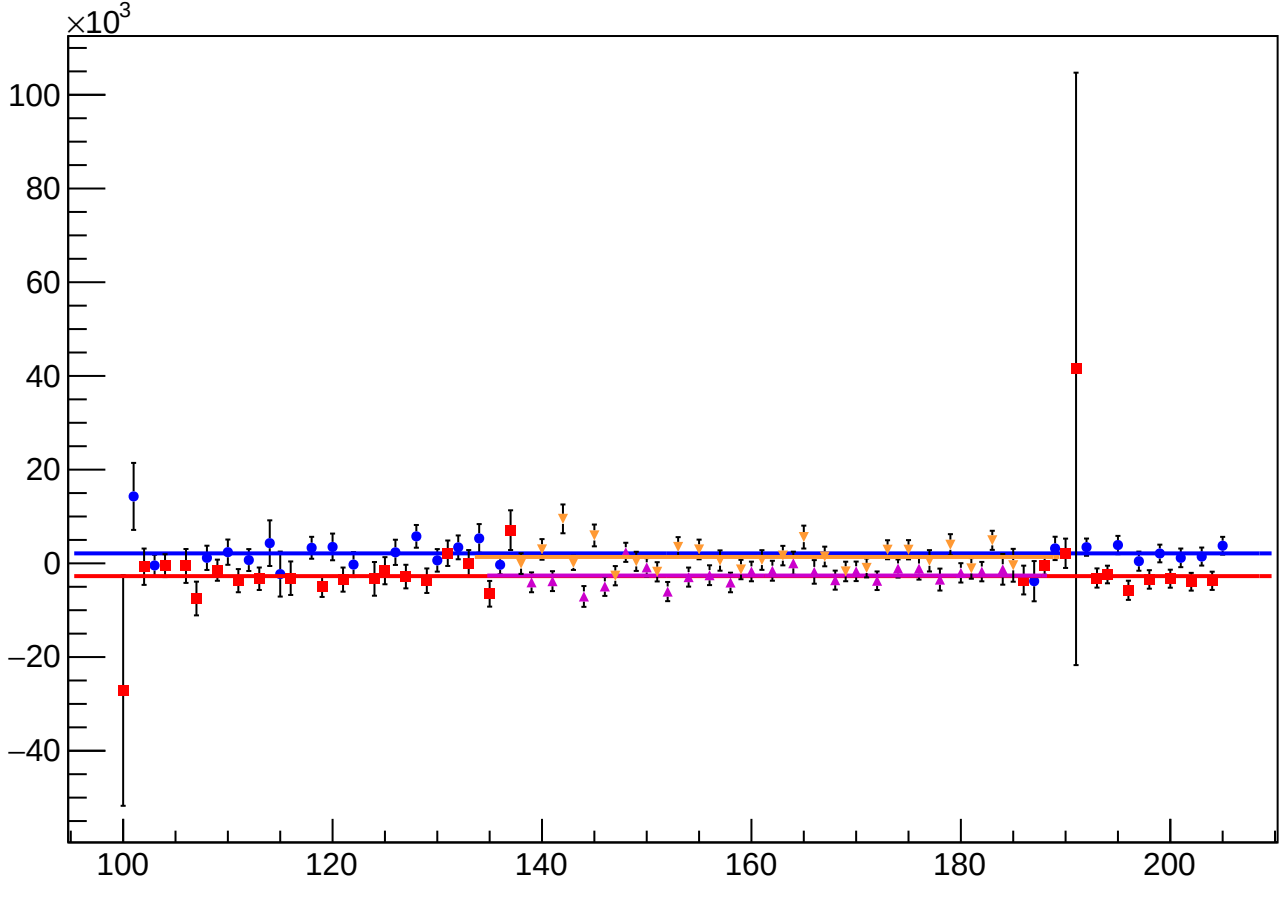
Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3003.226+/-0.434 χ^2/NDF: 18447398.7/49

All: 2844.604+/-0.301 χ^2/NDF: 44001331.3/1

- sign 2697.178+/-0.419 χ^2/NDF: 25296662.8/52



Right In: 2127.705+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2724.686+/-465.503 χ^2/NDF: 25.1/29

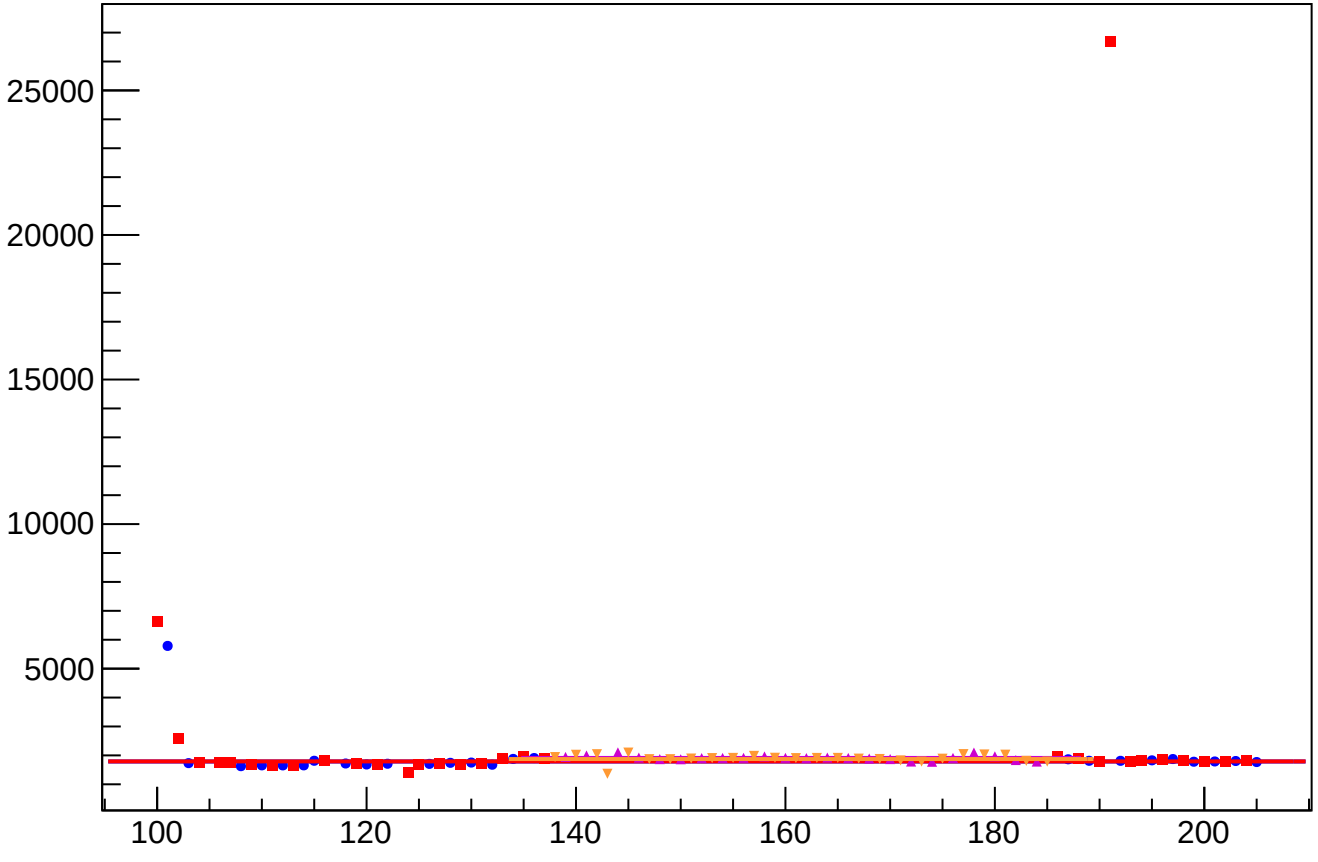
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1699.679+/-319.894 χ^2/NDF: 55.2/49

All: -464.295+/-227.053 χ^2/NDF: 192.6/102

- sign -2661.256+/-322.323 χ^2/NDF: 45.2/52

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.8/24

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

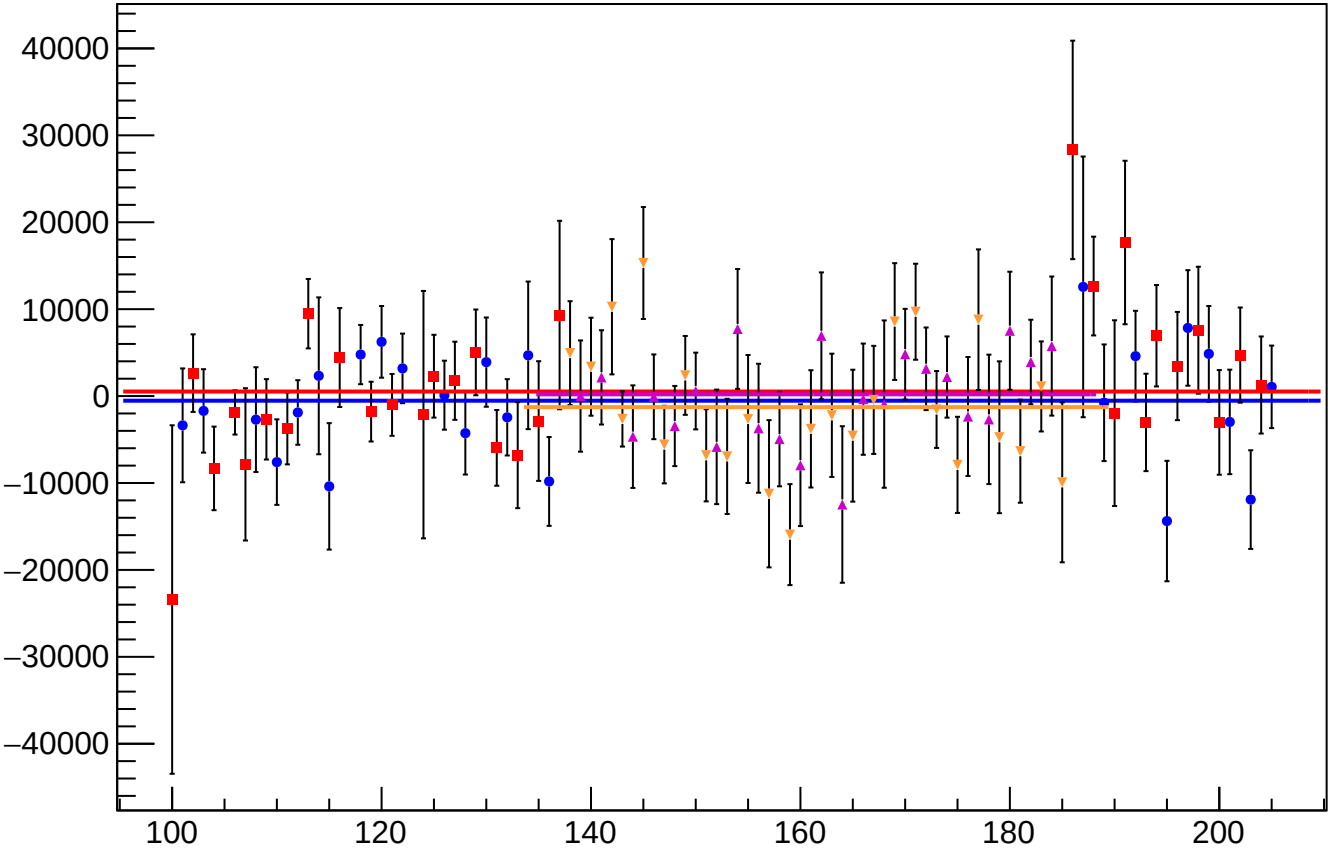
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1835.912+/-0.226 χ^2/NDF: 1019334.0/49

All: 1844.966+/-0.160 χ^2/NDF: 1705313.7/10

- sign 1854.146+/-0.228 χ^2/NDF: 682753.2/52

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -531.472+/-1031.889 χ^2/NDF: 28.3/24

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 524.197+/-940.533 χ^2/NDF: 36.7/29

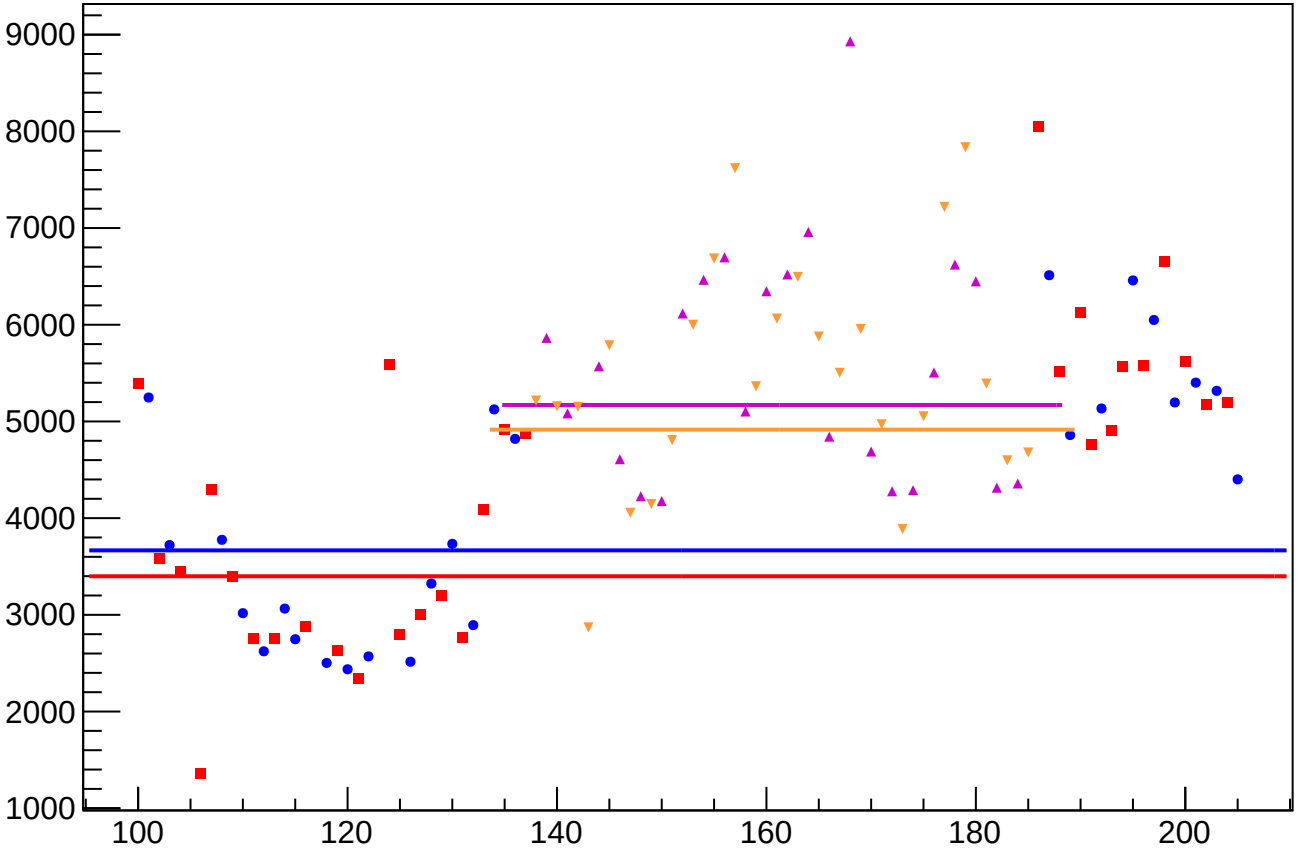
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -858.828+/-769.848 χ^2/NDF: 62.0/49

All: -209.366+/-536.529 χ^2/NDF: 112.8/102

- sign 404.002+/-748.149 χ^2/NDF: 49.5/52

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3666.680+/-0.730 χ^2/NDF: 2727651.2/24

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3398.862+/-0.665 χ^2/NDF: 4495865.1/29

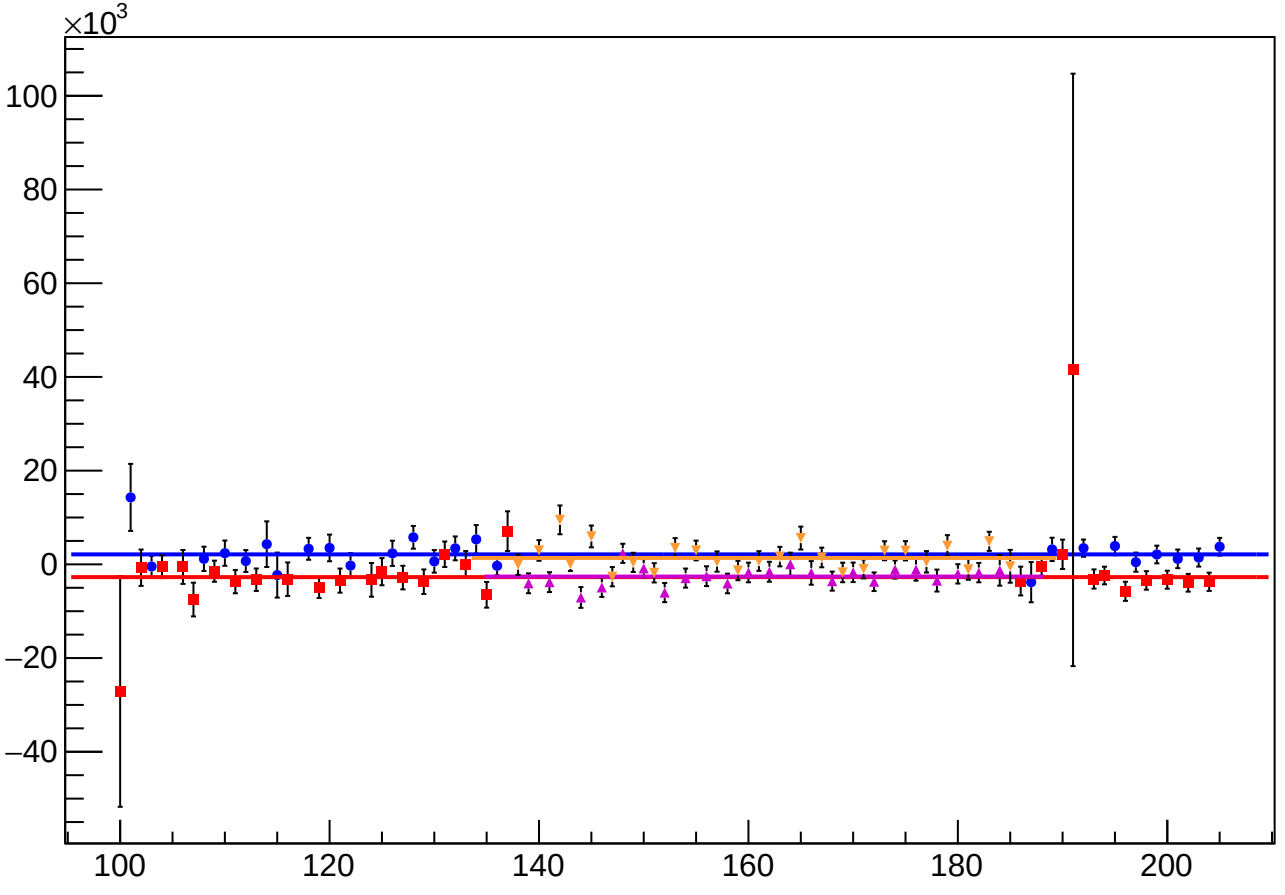
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4220.292+/-0.544 χ^2/NDF: 6192197.7/49

All: 4132.369+/-0.379 χ^2/NDF: 14692262.0/1

- sign 4049.331+/-0.529 χ^2/NDF: 8449339.1/52

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2127.703+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2724.686+/-465.503 χ^2/NDF: 25.1/29

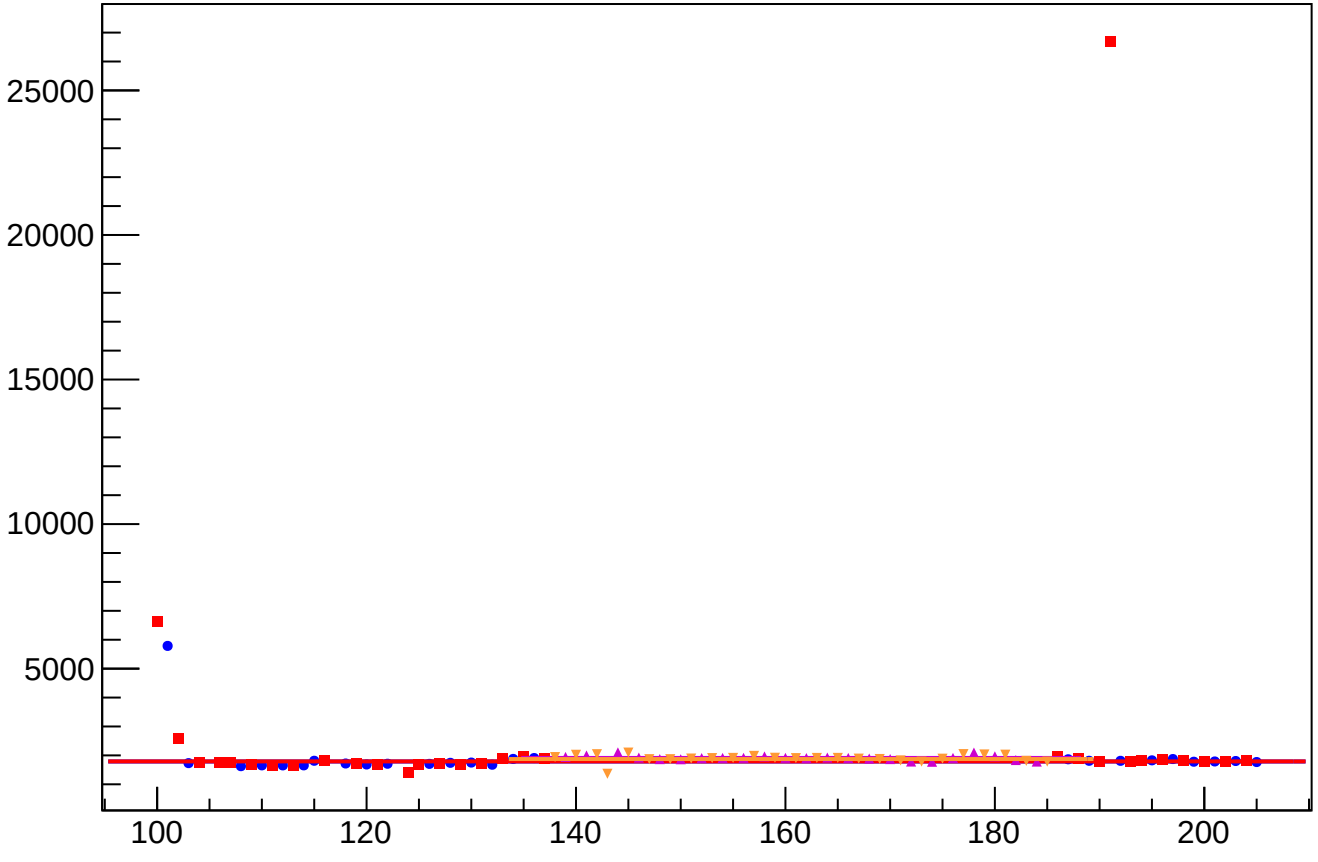
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1699.677+/-319.894 χ^2/NDF: 55.2/49

All: -464.296+/-227.053 χ^2/NDF: 192.6/102

- sign -2661.255+/-322.323 χ^2/NDF: 45.2/52

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.9/24

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

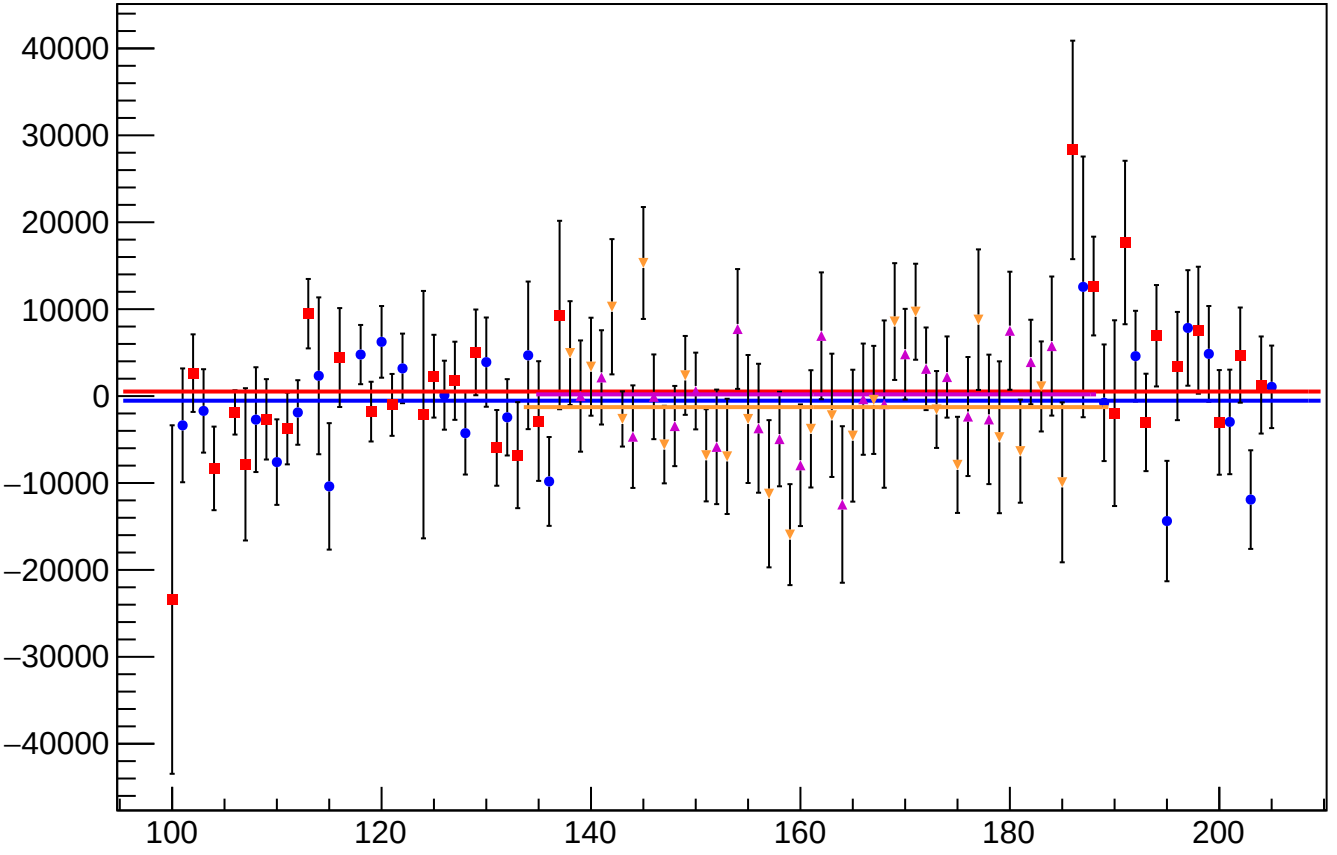
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1835.913+/-0.226 χ^2/NDF: 1019338.4/49

All: 1844.967+/-0.160 χ^2/NDF: 1705321.5/10

- sign 1854.147+/-0.228 χ^2/NDF: 682756.7/52

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -531.466+/-1031.887 χ^2/NDF: 28.3/24

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 524.189+/-940.530 χ^2/NDF: 36.7/29

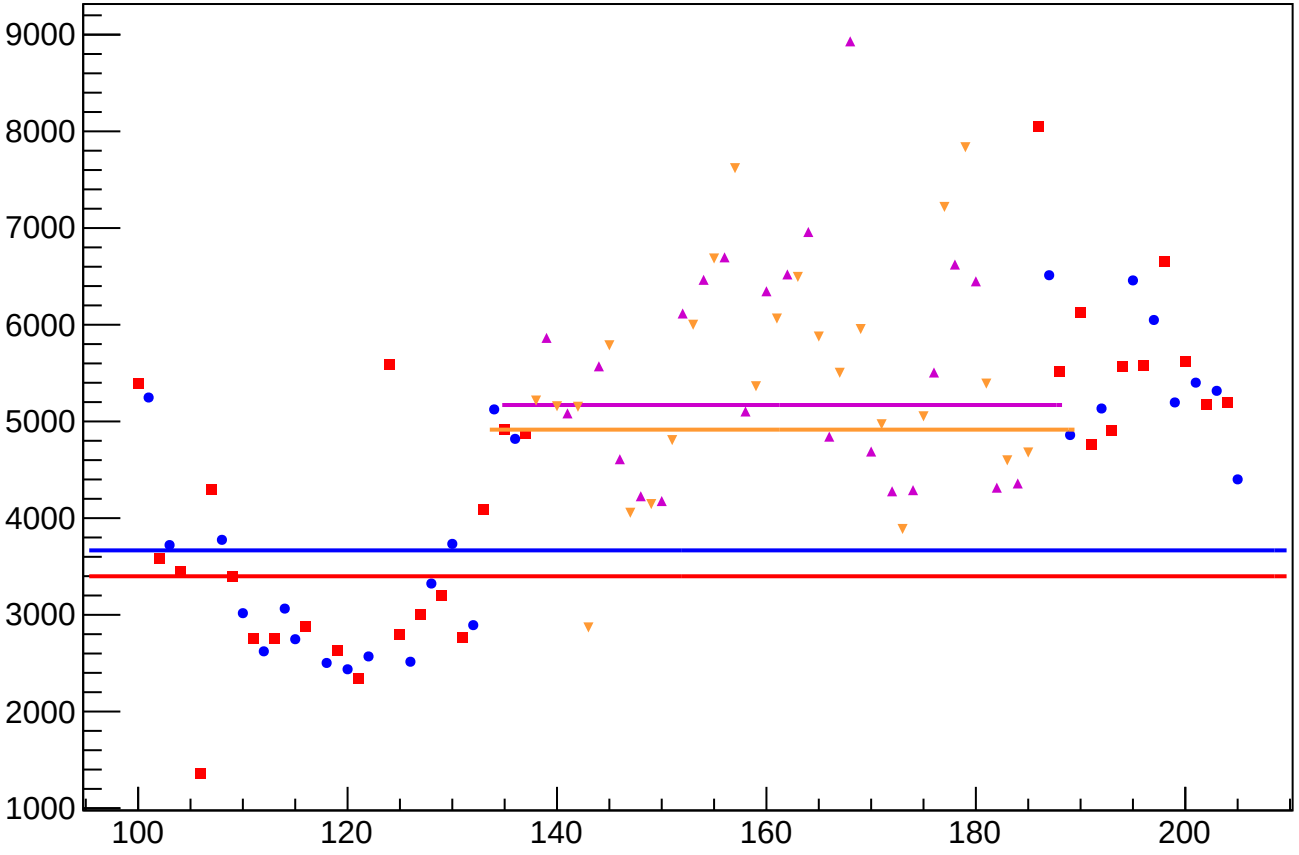
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -858.826+/-769.847 χ^2/NDF: 62.0/49

All: -209.367+/-536.528 χ^2/NDF: 112.8/102

- sign 403.998+/-748.149 χ^2/NDF: 49.5/52

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3666.670+/-0.730 χ^2/NDF: 2727691.6/24

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3398.849+/-0.665 χ^2/NDF: 4495926.4/29

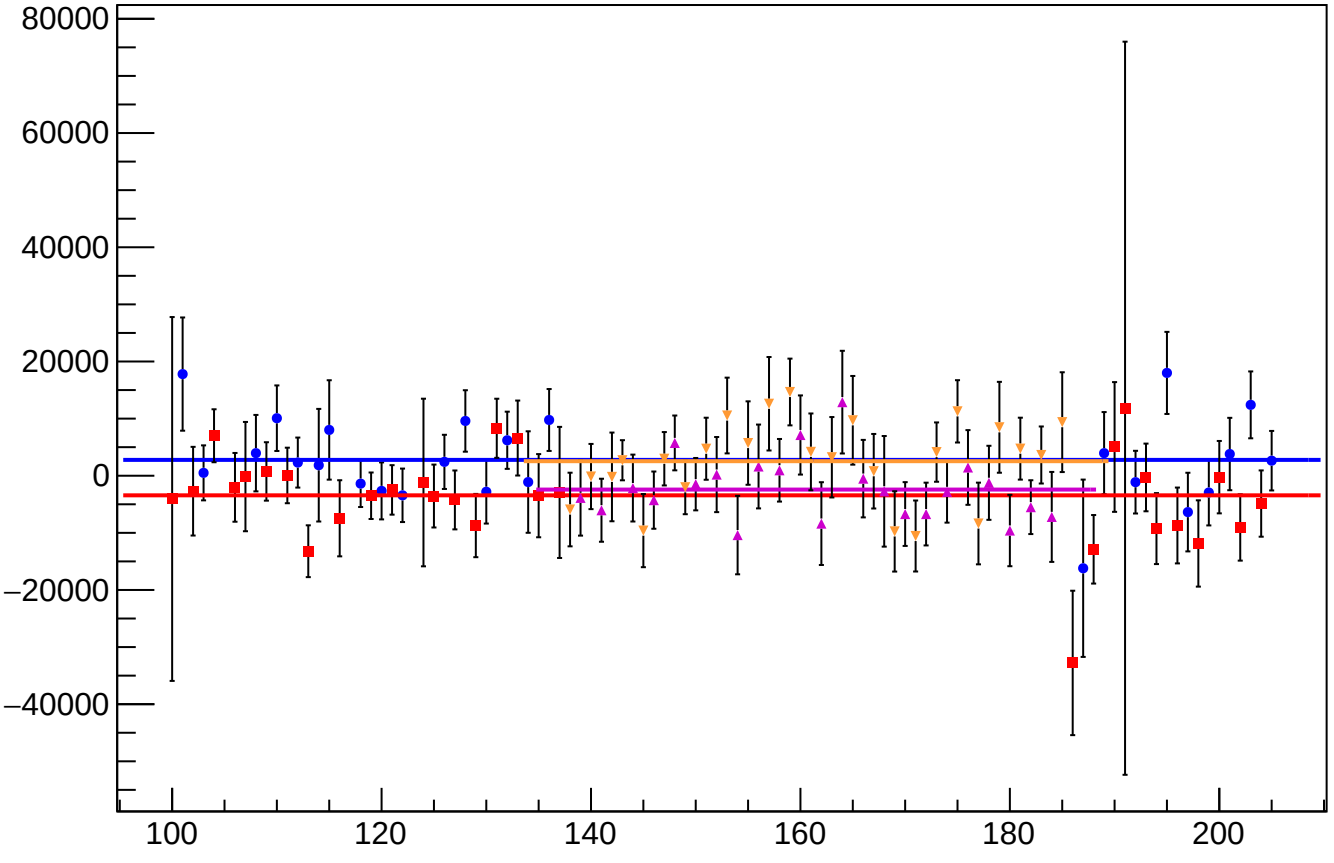
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4220.288+/-0.544 χ^2/NDF: 6192279.2/49

All: 4132.362+/-0.379 χ^2/NDF: 14692470.7/1

- sign 4049.322+/-0.529 χ^2/NDF: 8449463.7/52

asym_atr1l2_avg_mean vs Slug



Right In: 2773.368+/-1159.833 χ^2/NDF: 25.5/24

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3431.467+/-1129.634 χ^2/NDF: 32.7/29

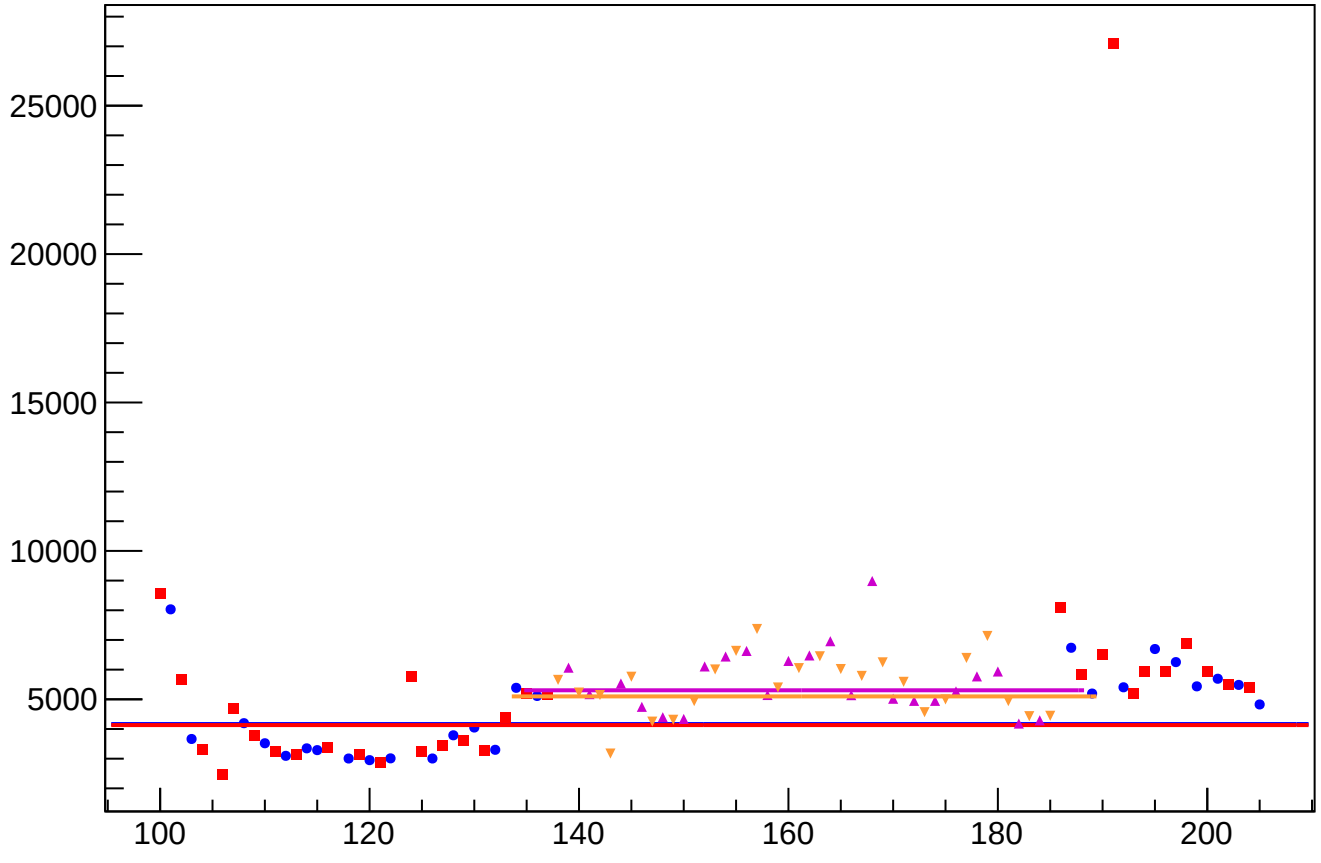
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2662.903+/-829.792 χ^2/NDF: 54.6/49

All: -121.680+/-590.673 χ^2/NDF: 125.4/102

- sign -2981.957+/-840.995 χ^2/NDF: 48.1/52

asym_atr1l2_avg_rms vs Slug



Right In: 4166.712+/-0.820 χ^2/NDF: 2171952.7/24

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

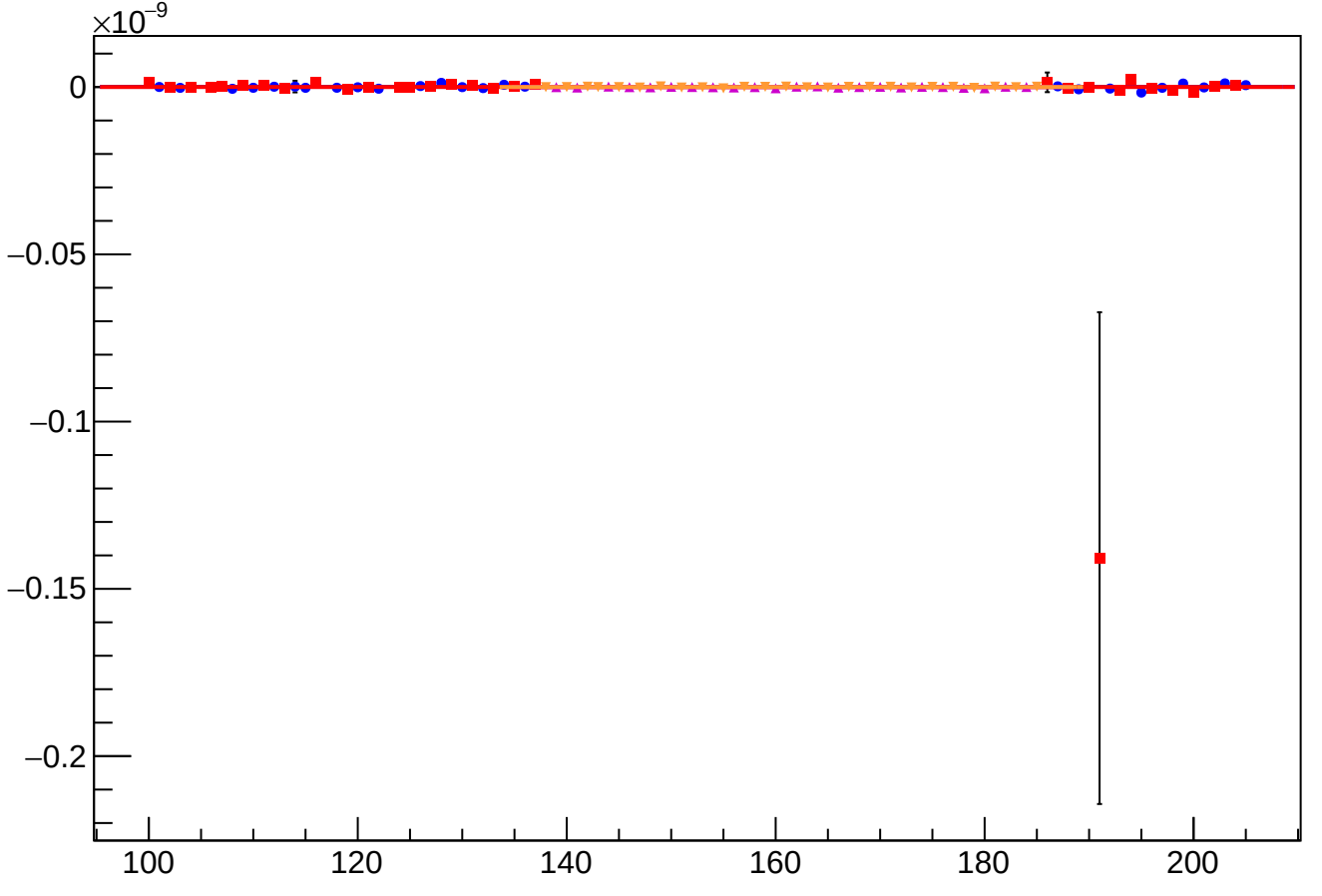
Right Out: 4131.928+/-0.790 χ^2/NDF: 2894433.5/29

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4621.312+/-0.587 χ^2/NDF: 4345773.9/49

All: 4634.590+/-0.416 χ^2/NDF: 9228655.5/10

- sign 4648.062+/-0.591 χ^2/NDF: 4881850.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

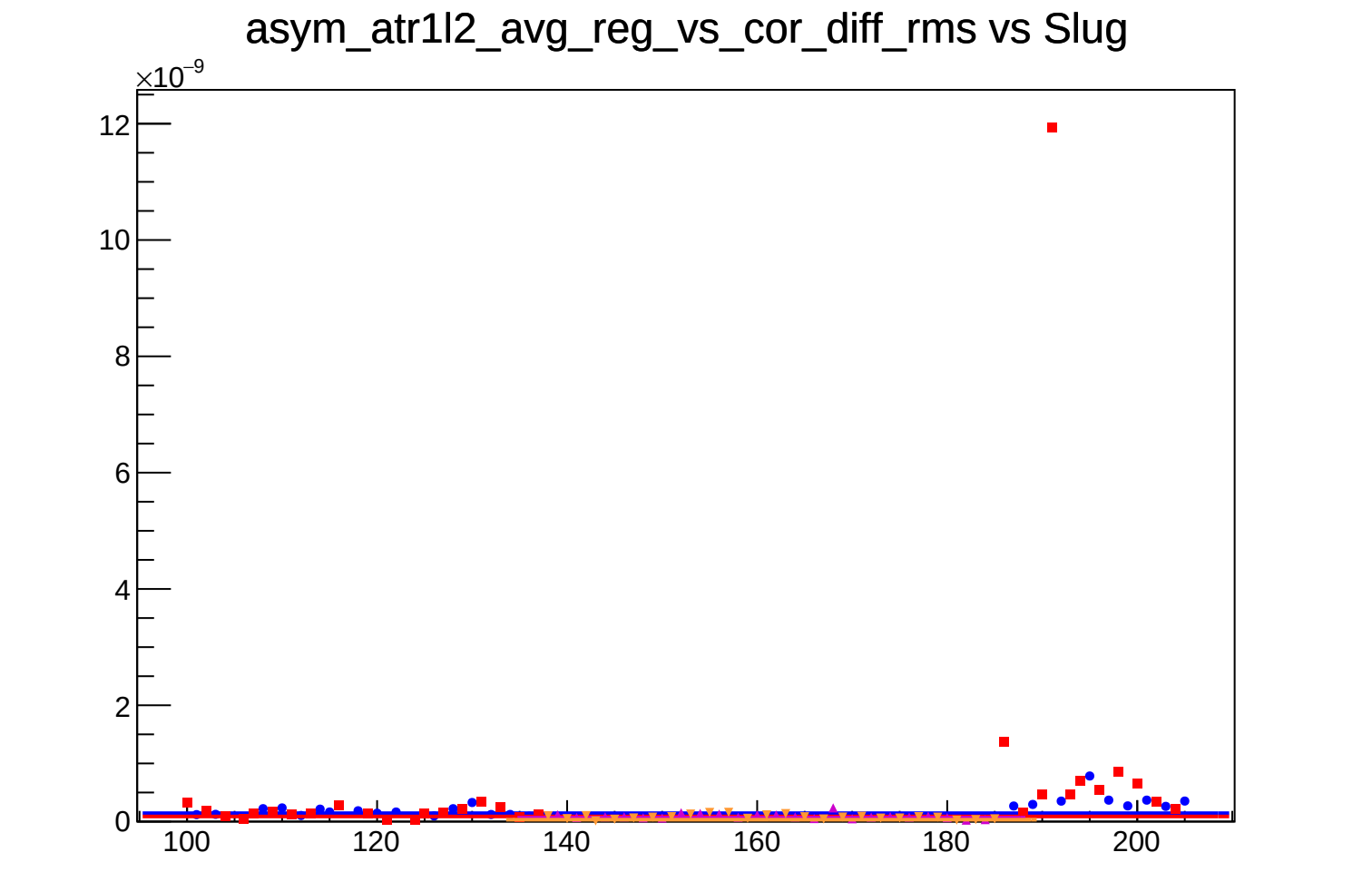
Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/29

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/49

All: 0.000+/-0.000 χ^2/NDF: 107.6/102

- sign 0.000+/-0.000 χ^2/NDF: 62.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 2623368.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6630740.6/29

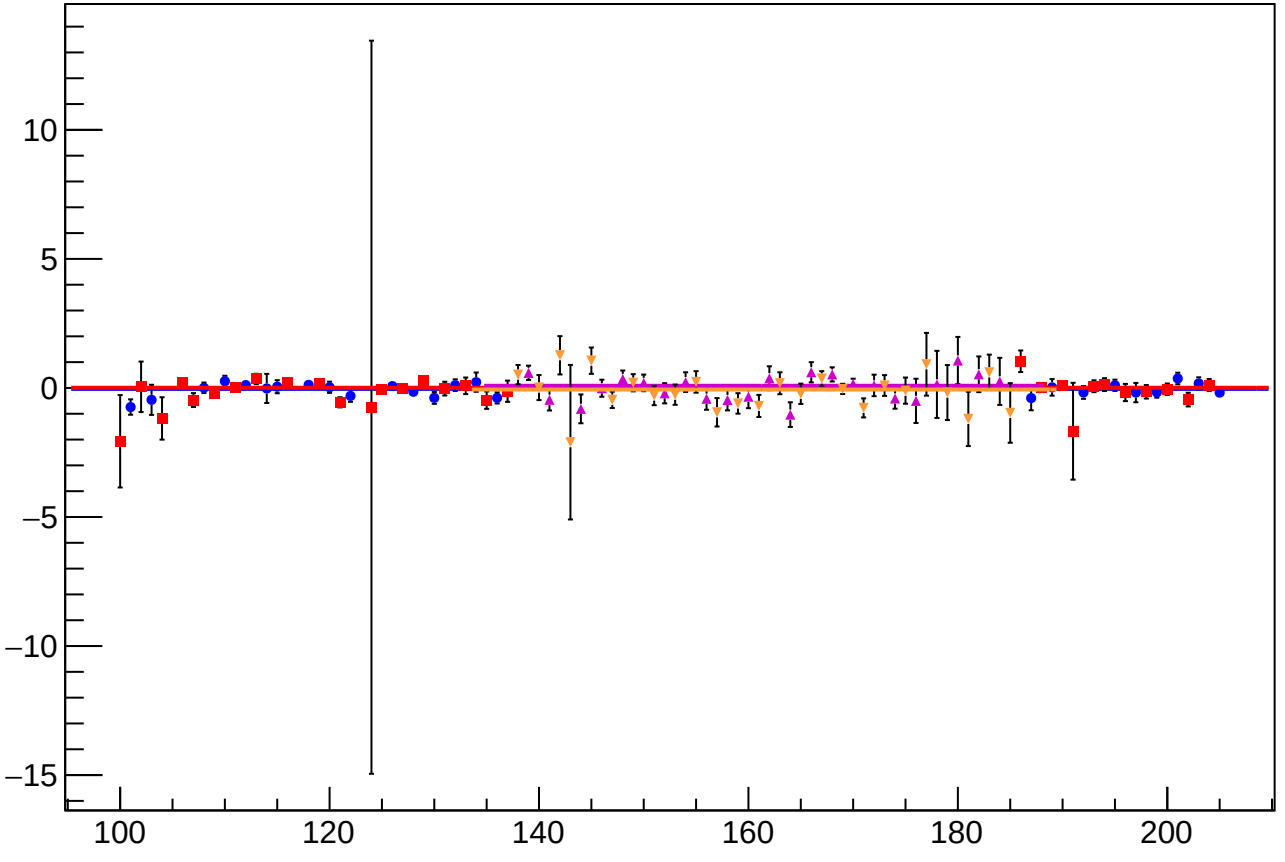
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13680084.9/49

All: 0.000+/-0.000 χ^2/NDF: 25470691.6/102

- sign 0.000+/-0.000 χ^2/NDF: 9330147.5/52

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

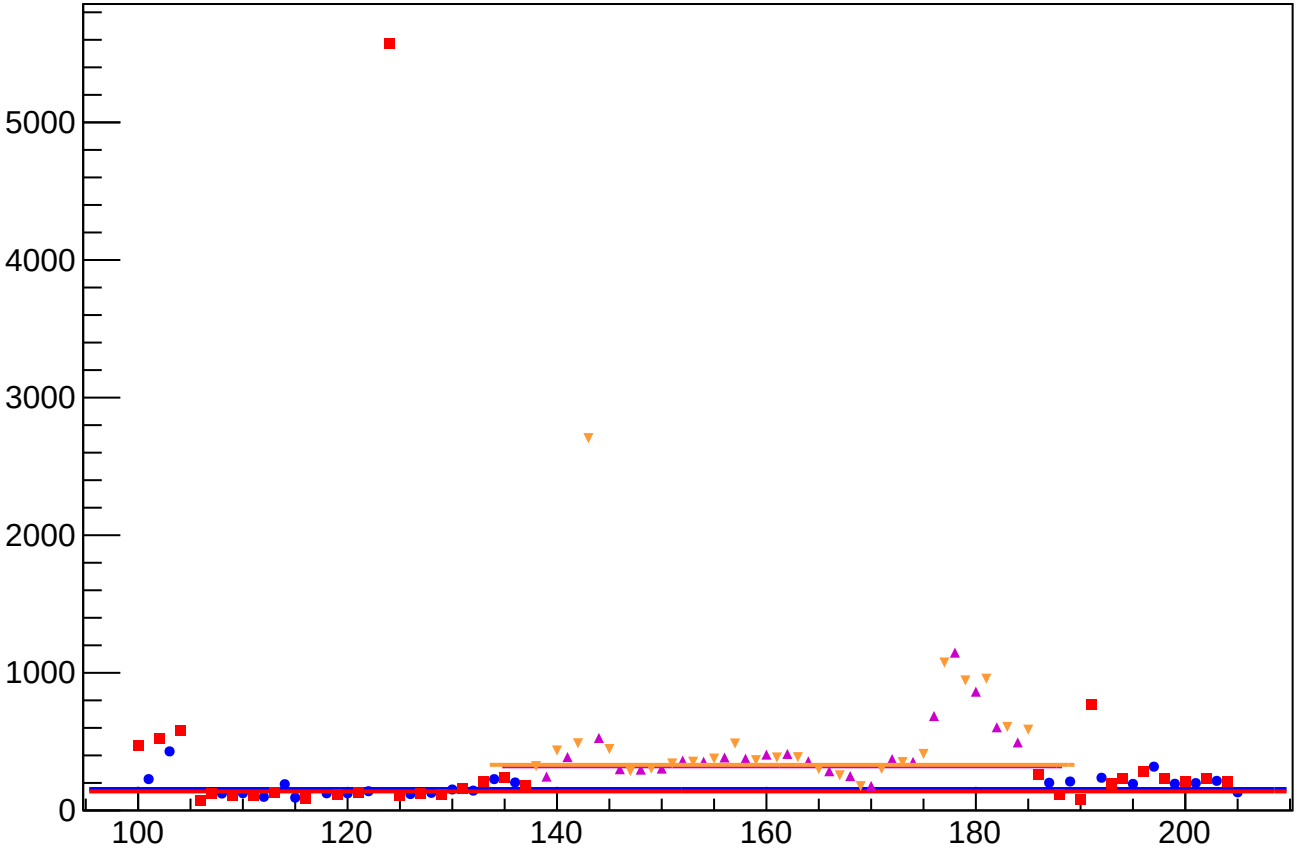
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.027 χ^2/NDF: 124.6/102

- sign 0.023+/-0.036 χ^2/NDF: 67.8/52

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

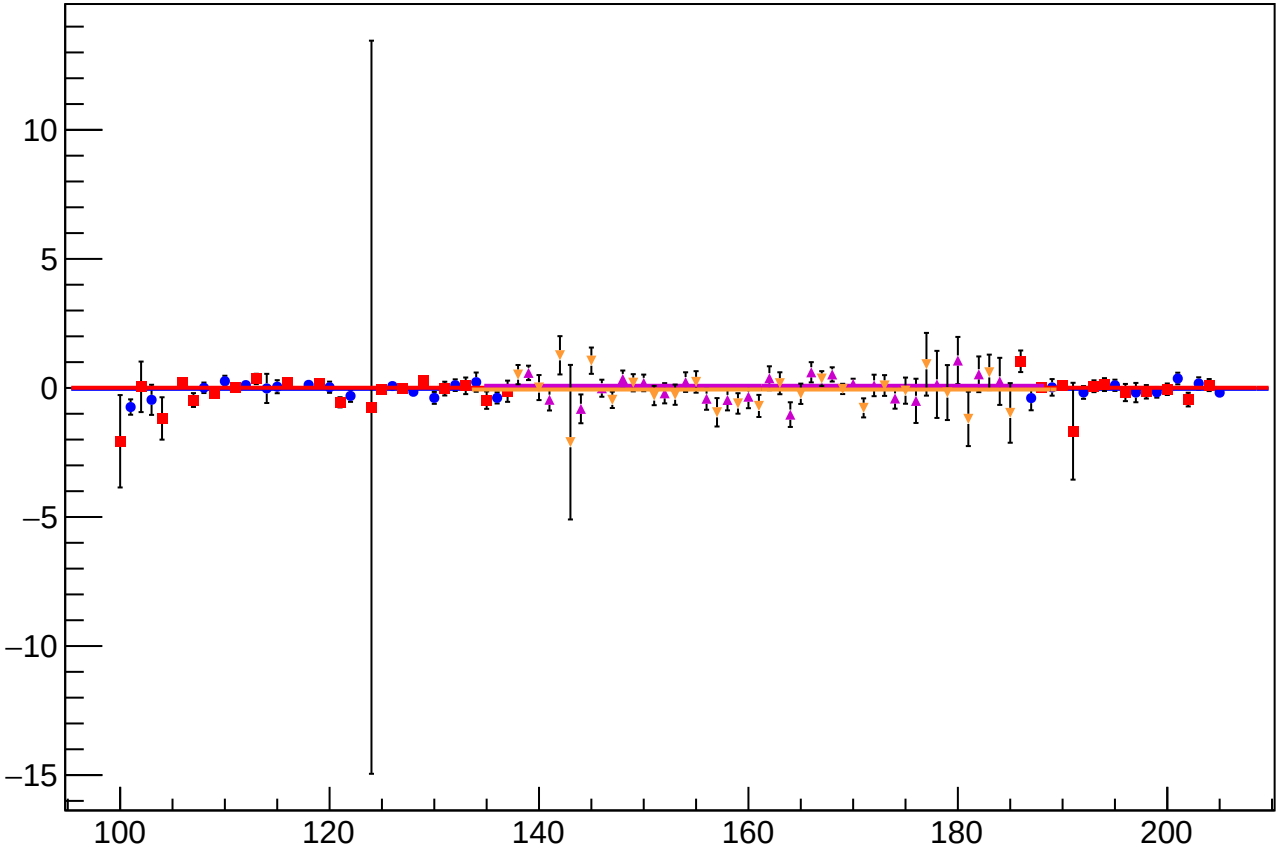
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167683.8/49

All: 184.667+/-0.019 χ^2/NDF: 32588322.0/10

- sign 175.150+/-0.026 χ^2/NDF: 17120128.5/52

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

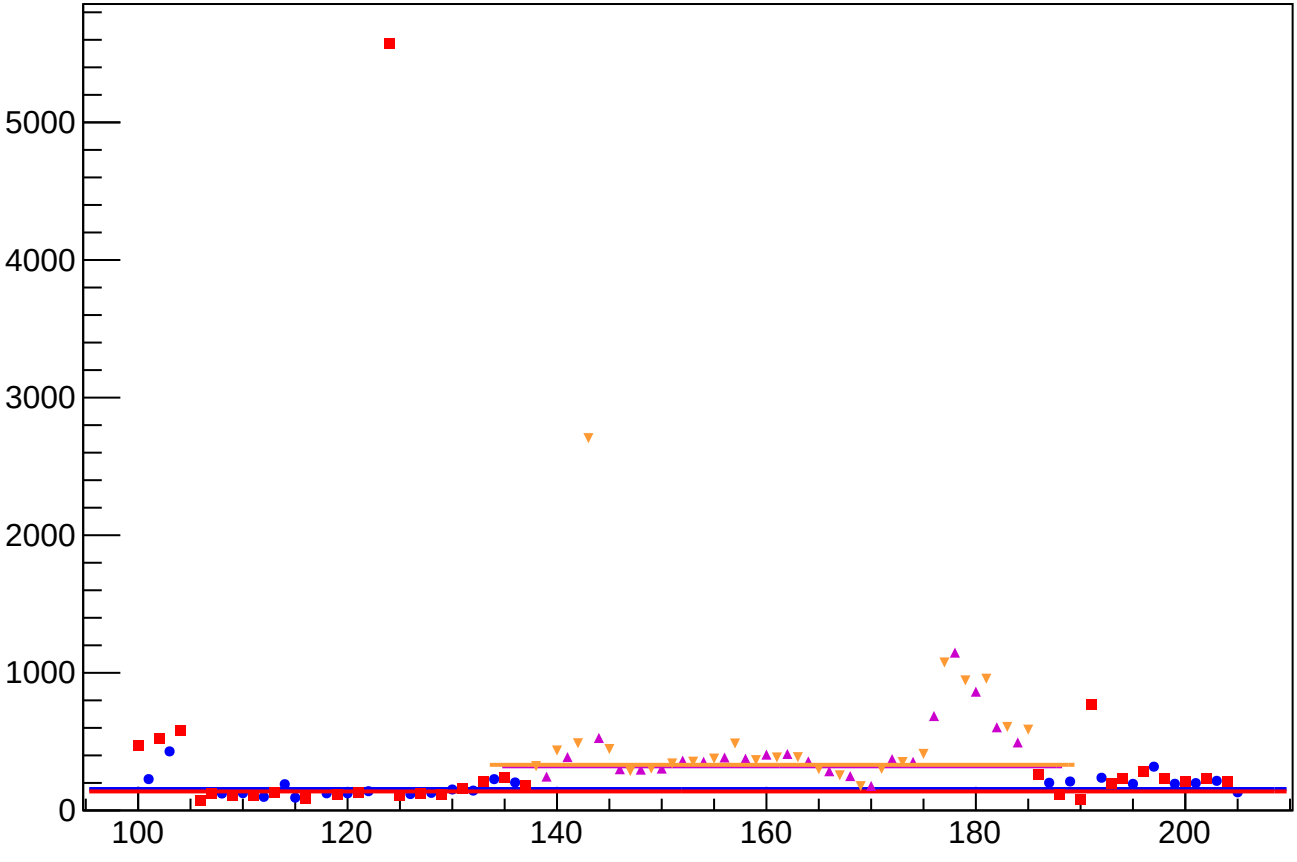
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.027 χ^2/NDF: 124.6/102

\- sign 0.023+/-0.036 χ^2/NDF: 67.8/52

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

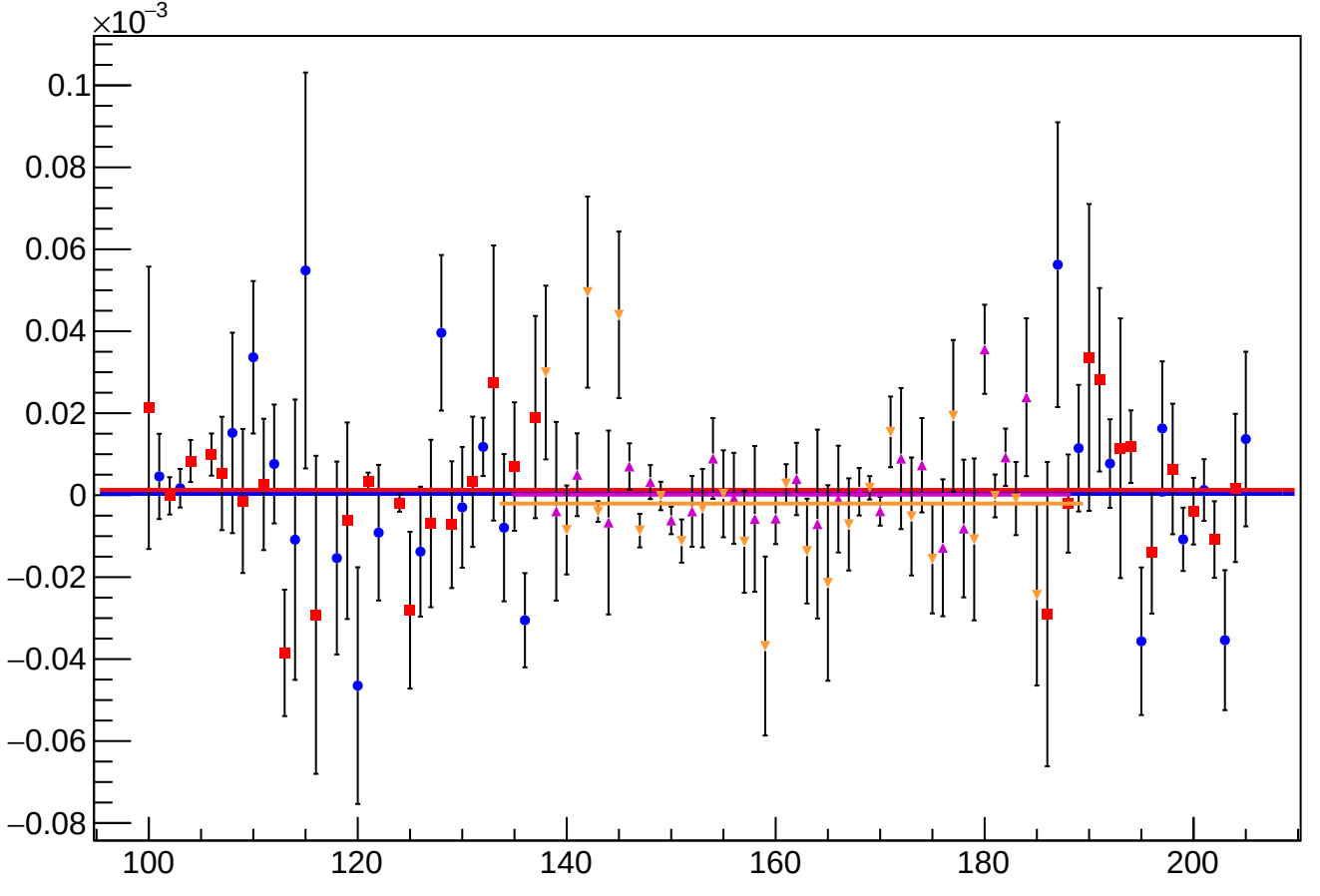
Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167683.8/49

All: 184.667+/-0.019 χ^2/NDF: 32588322.0/10

- sign 175.150+/-0.026 χ^2/NDF: 17120128.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

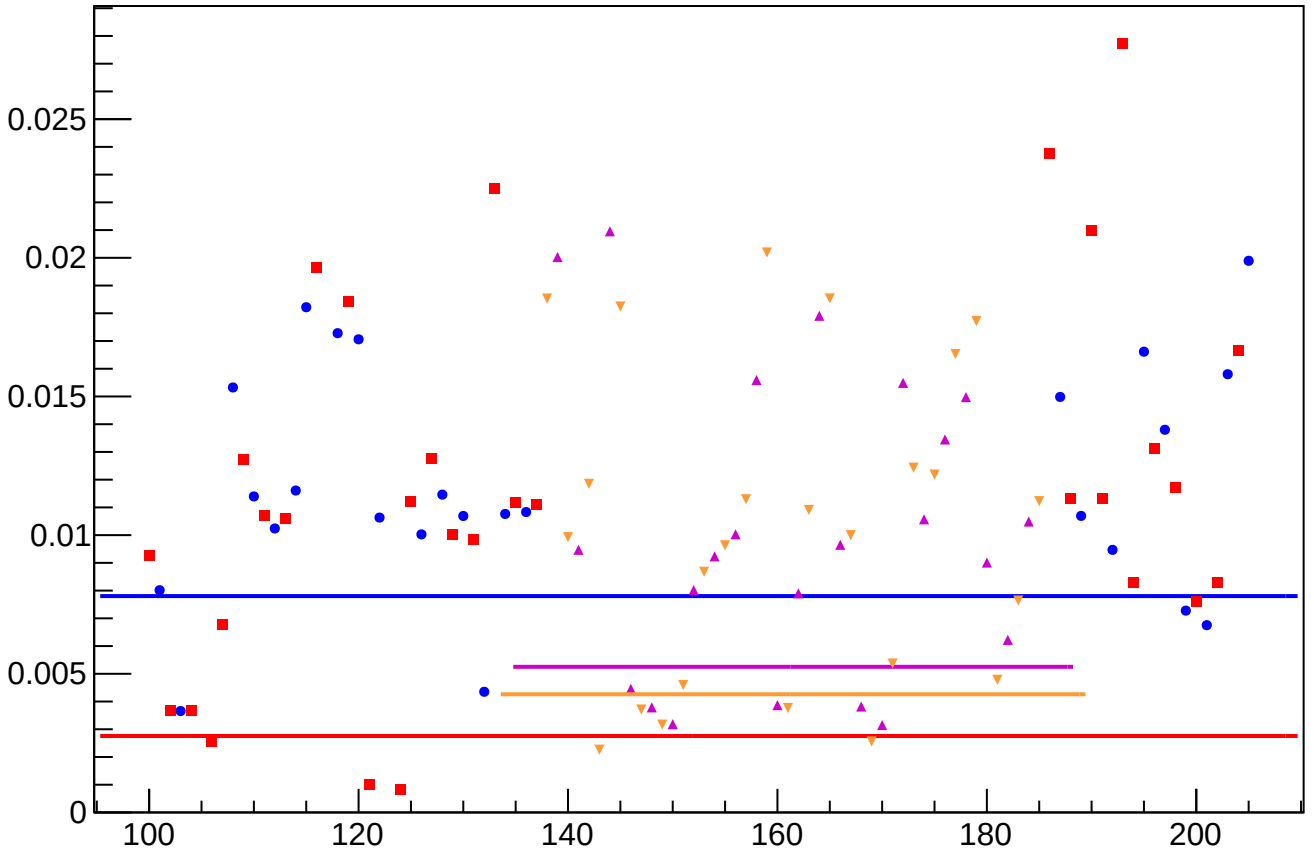
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/29

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/49

All: -0.000+/-0.000 χ^2/NDF: 130.8/102

- sign 0.000+/-0.000 χ^2/NDF: 53.2/52



Right In: 0.008+/-0.000 χ^2/NDF: 5518507.5/24

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18322357.5/29

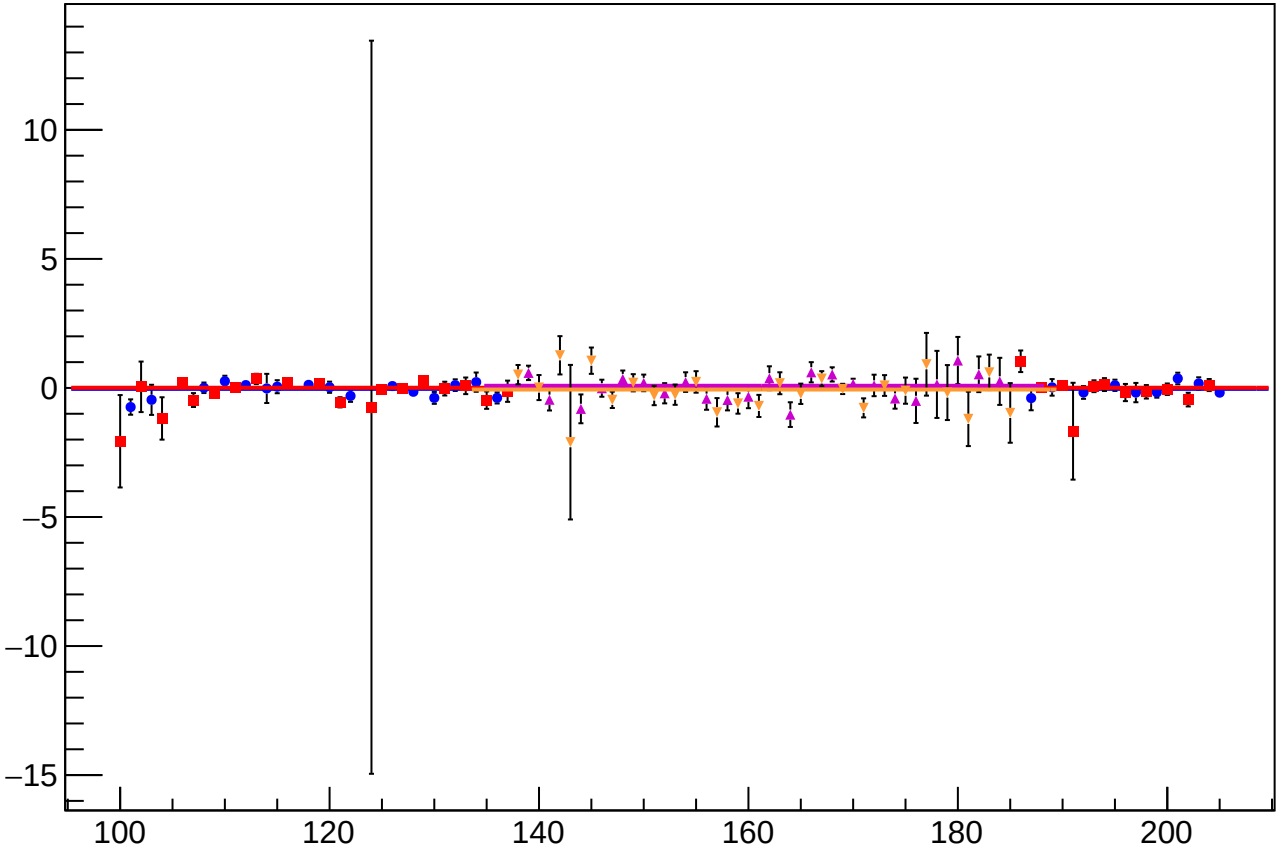
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 21922160.5/49

All: 0.004+/-0.000 χ^2/NDF: 54702446.3/102

- sign 0.004+/-0.000 χ^2/NDF: 31178111.3/52

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

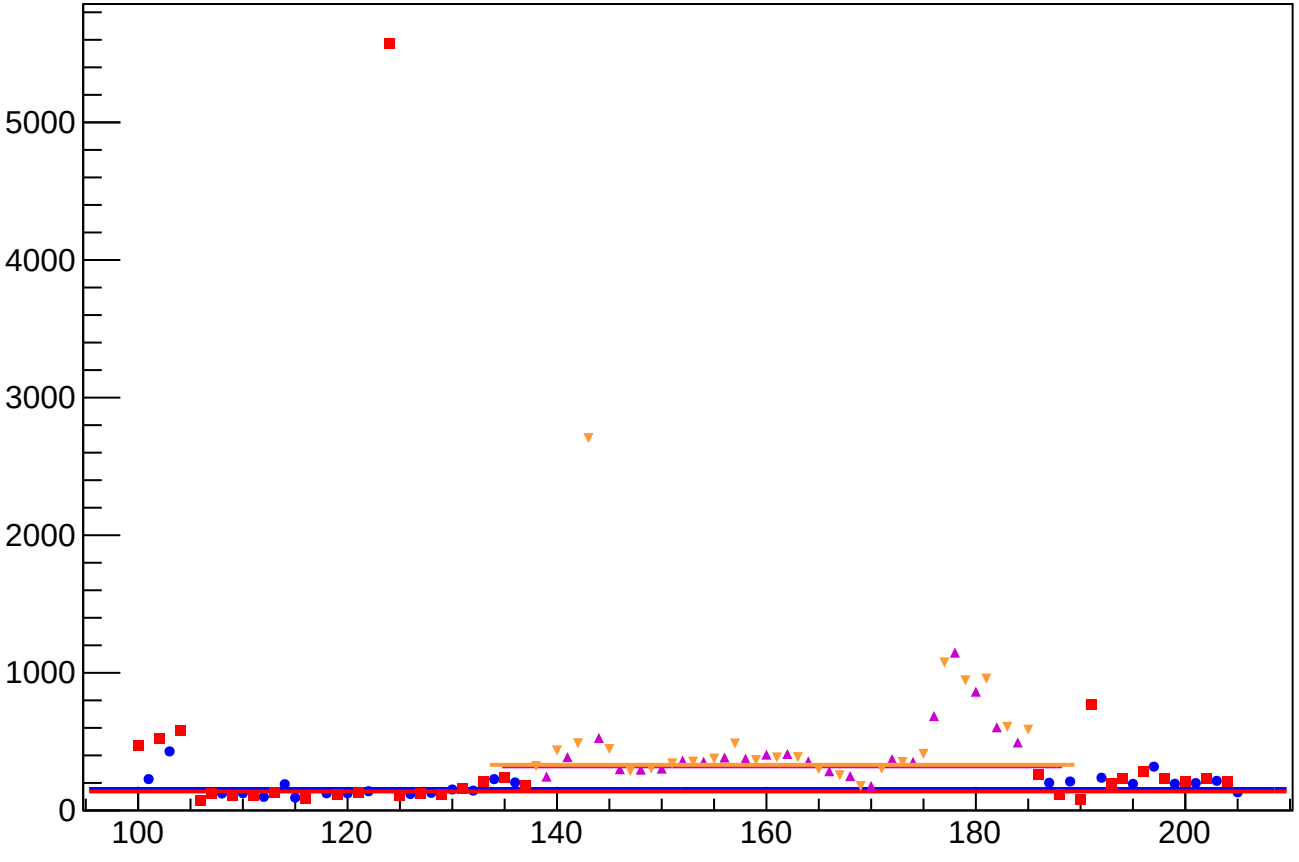
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.027 χ^2/NDF: 124.6/102

\- sign 0.023+/-0.036 χ^2/NDF: 67.8/52

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

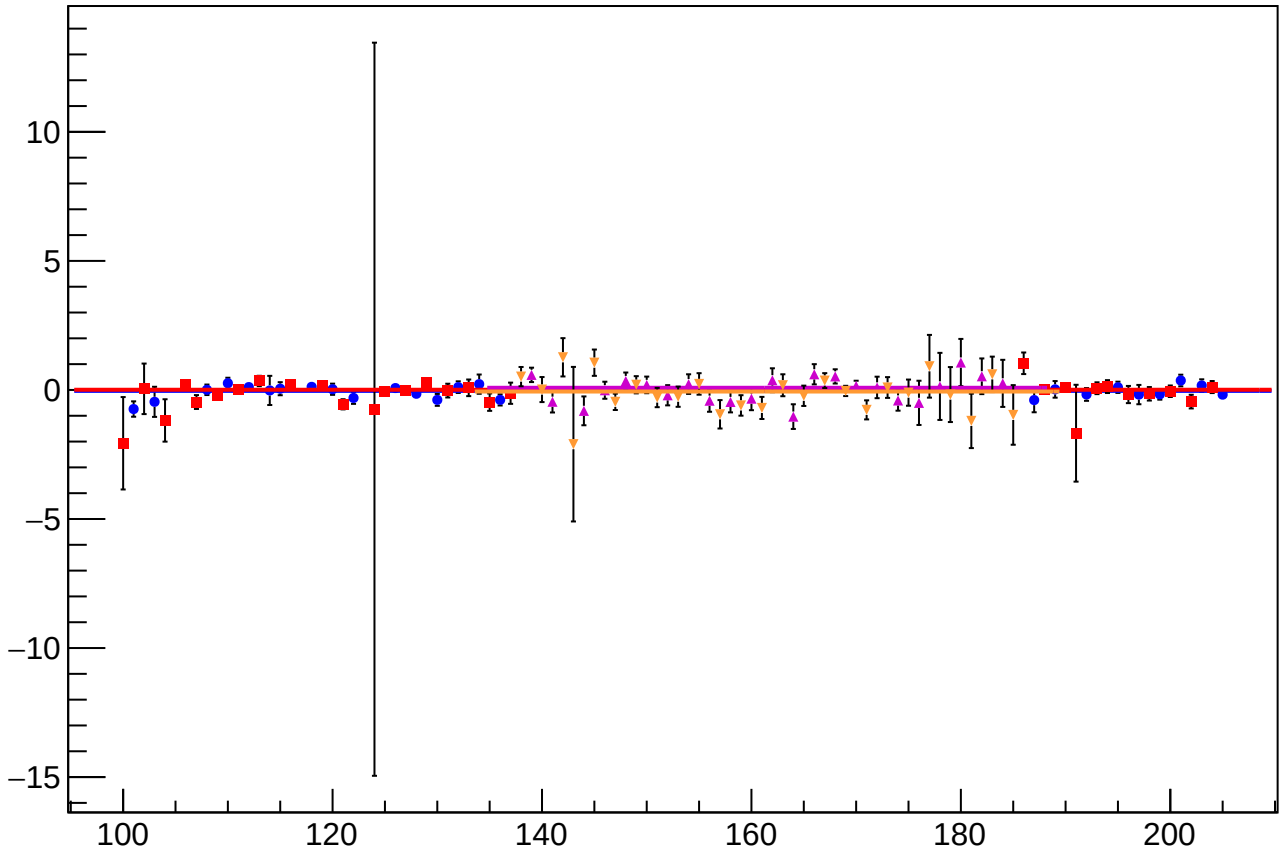
Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167725.6/49

All: 184.667+/-0.019 χ^2/NDF: 32588574.2/10

- sign 175.150+/-0.026 χ^2/NDF: 17120316.8/52



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

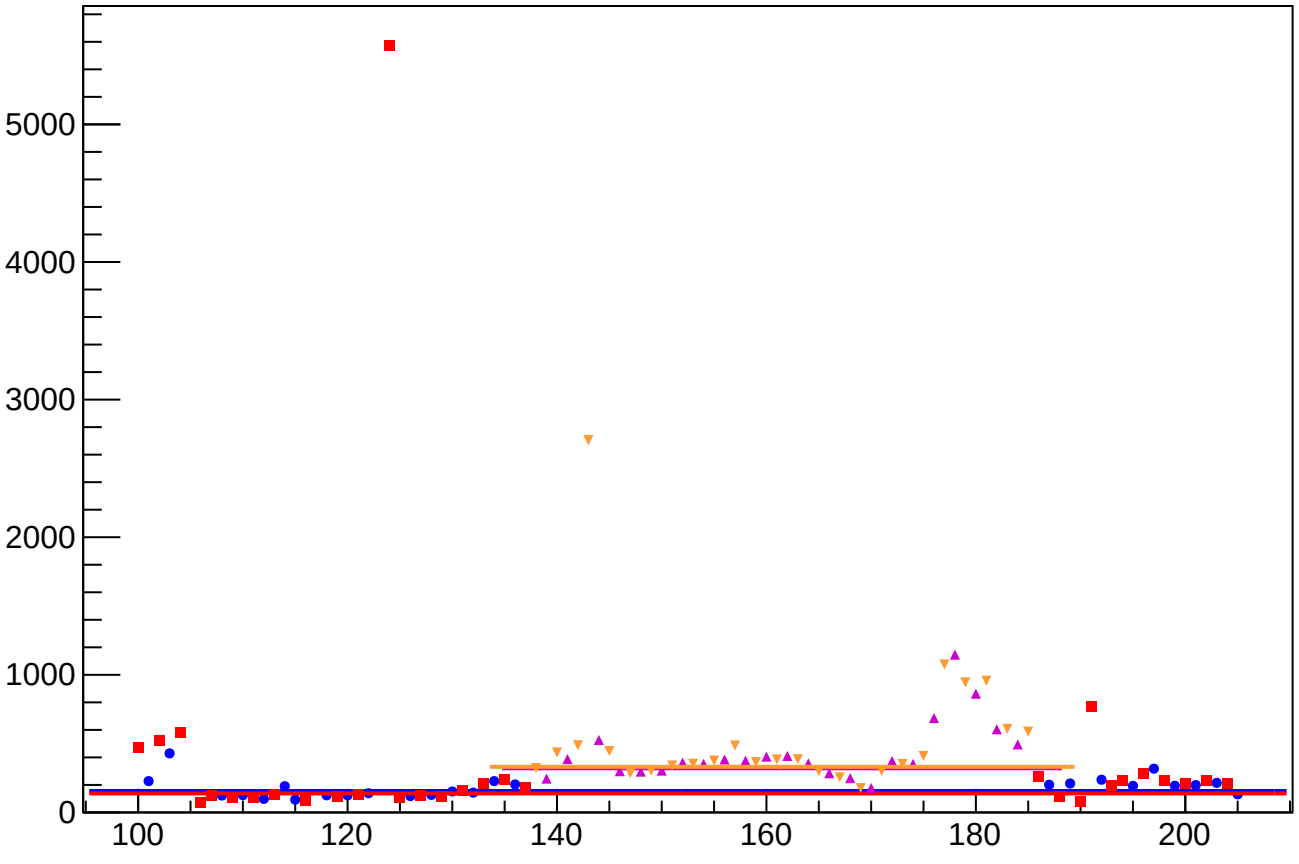
Right Out: 0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.027 χ^2/NDF: 124.6/102

\- sign 0.023+/-0.036 χ^2/NDF: 67.8/52



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

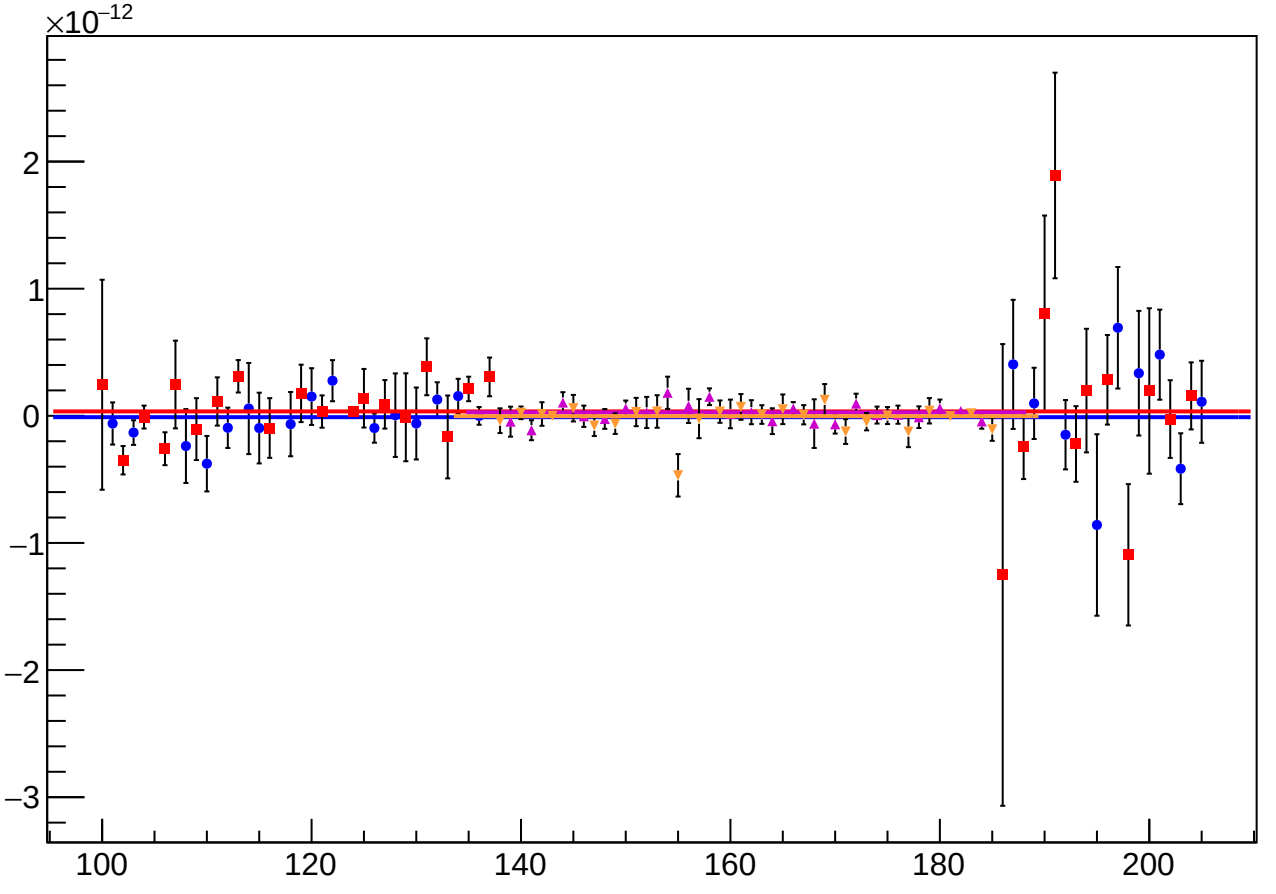
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167725.6/49

All: 184.667+/-0.019 χ^2/NDF: 32588574.2/10

- sign 175.150+/-0.026 χ^2/NDF: 17120316.8/52

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/29

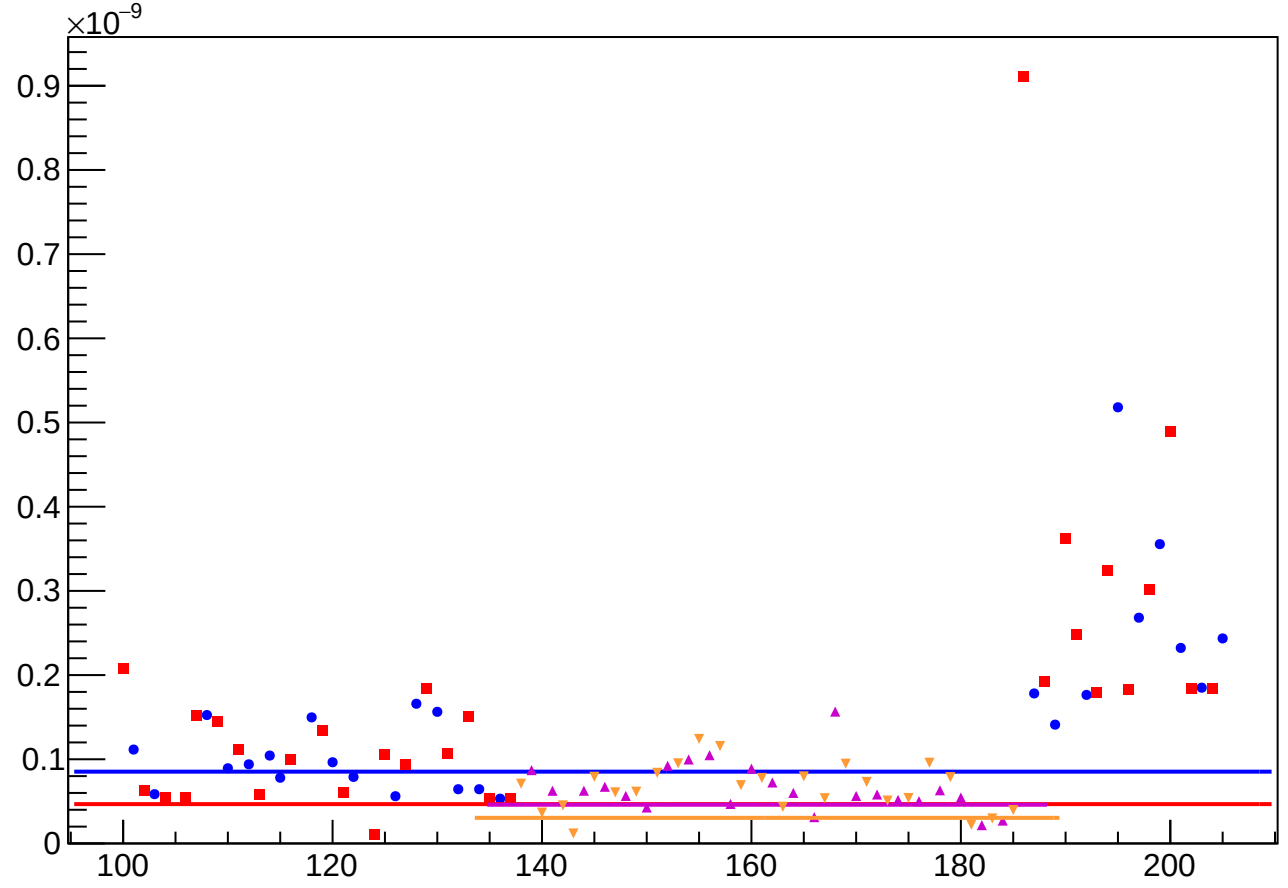
Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.7/49

All: 0.000+/-0.000 χ^2/NDF: 105.7/102

- sign 0.000+/-0.000 χ^2/NDF: 63.0/52

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4442149.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9658325.8/29

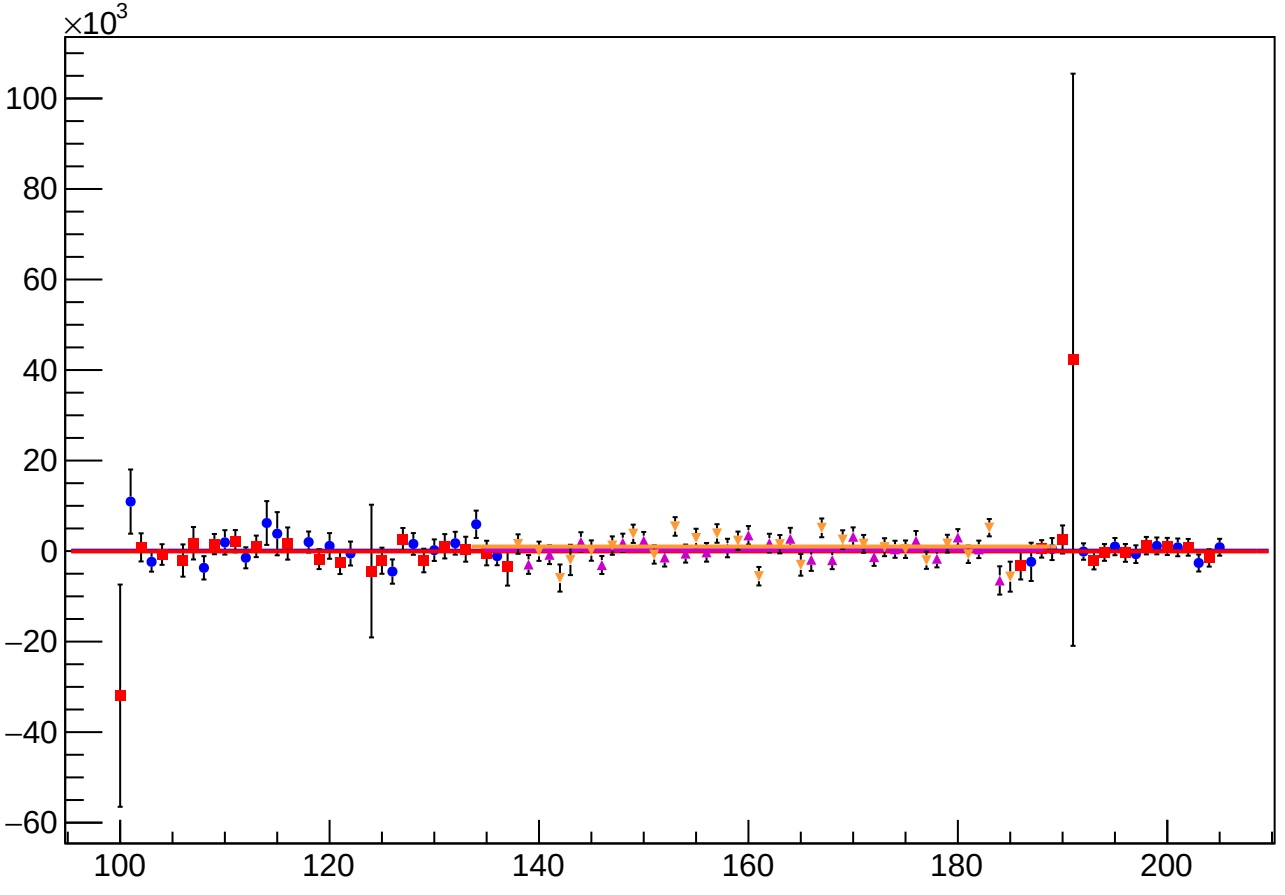
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 19327301.8/49

All: 0.000+/-0.000 χ^2/NDF: 34834238.6/102

- sign 0.000+/-0.000 χ^2/NDF: 14559269.8/52

reg_asym_atr1l2_dd_mean vs Slug



Right In: 89.564+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.662+/-460.466 χ^2/NDF: 13.9/29

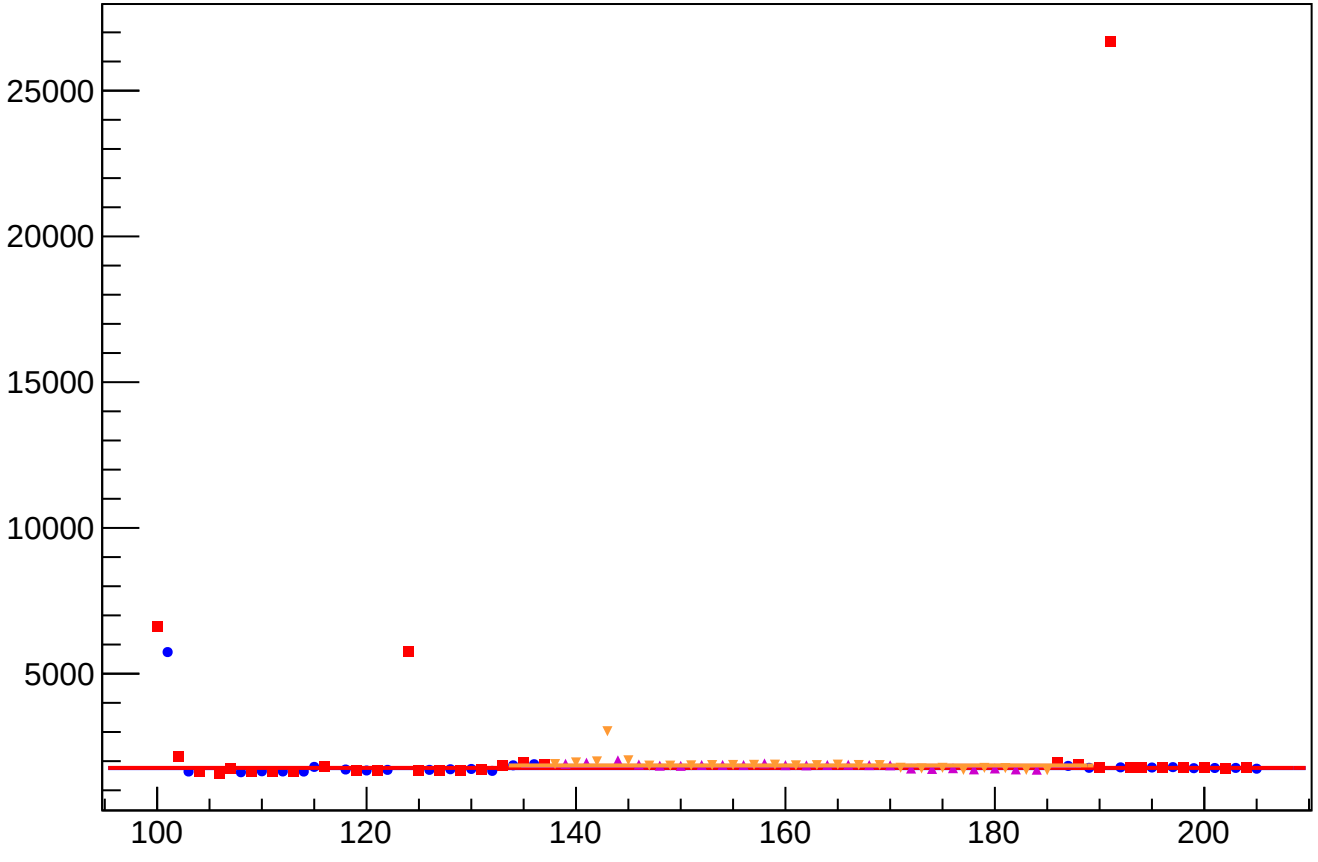
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 600.079+/-315.718 χ^2/NDF: 70.6/49

All: 344.319+/-222.693 χ^2/NDF: 112.3/102

- sign 91.082+/-314.157 χ^2/NDF: 40.5/52

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1761.042+/-0.336 χ^2/NDF: 672330.2/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.694+/-0.324 χ^2/NDF: 638227.8/29

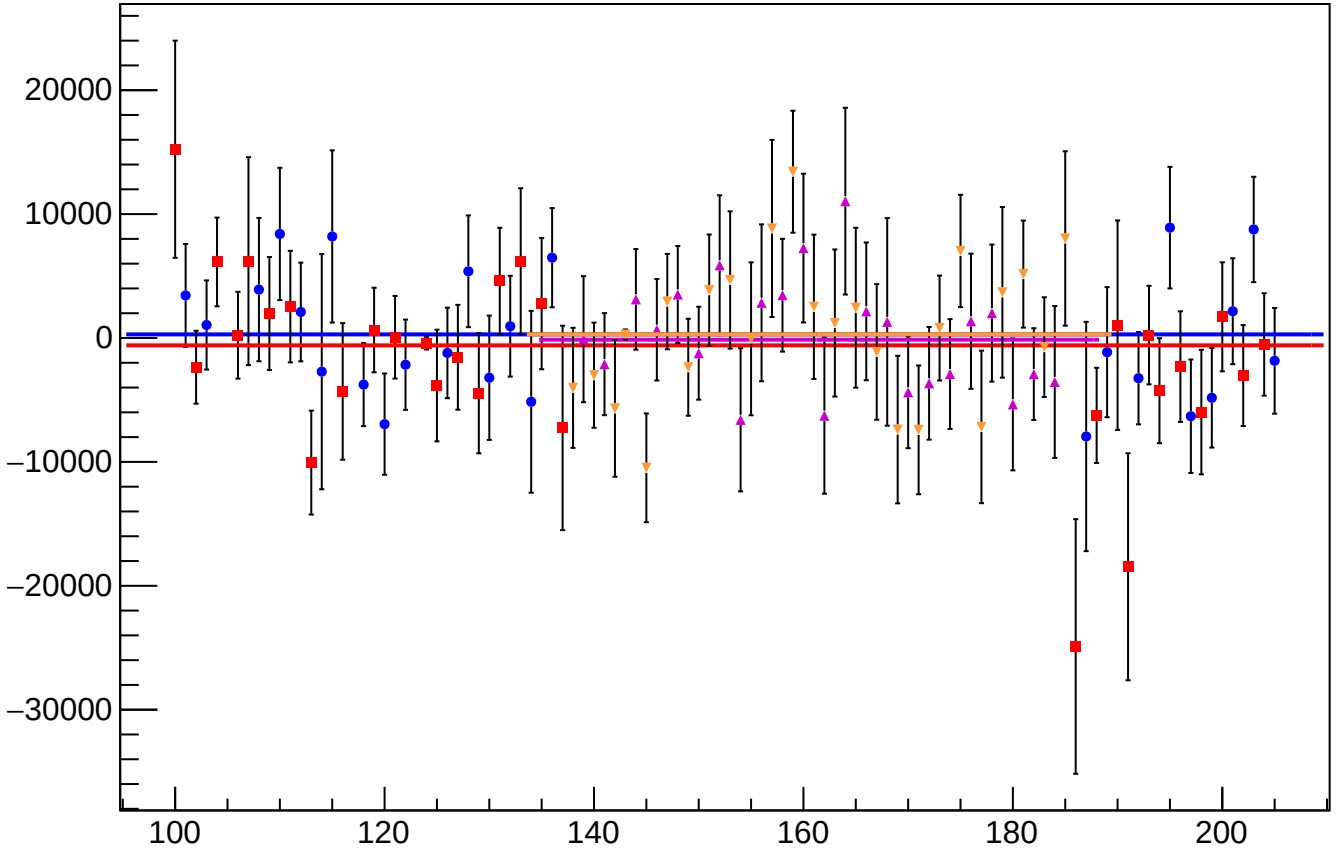
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1812.111+/-0.223 χ^2/NDF: 1034789.8/49

All: 1808.982+/-0.157 χ^2/NDF: 1766570.2/10

- sign 1805.895+/-0.222 χ^2/NDF: 731390.1/52

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 291.126+/-890.461 χ^2/NDF: 27.8/24

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -593.602+/-436.400 χ^2/NDF: 33.9/29

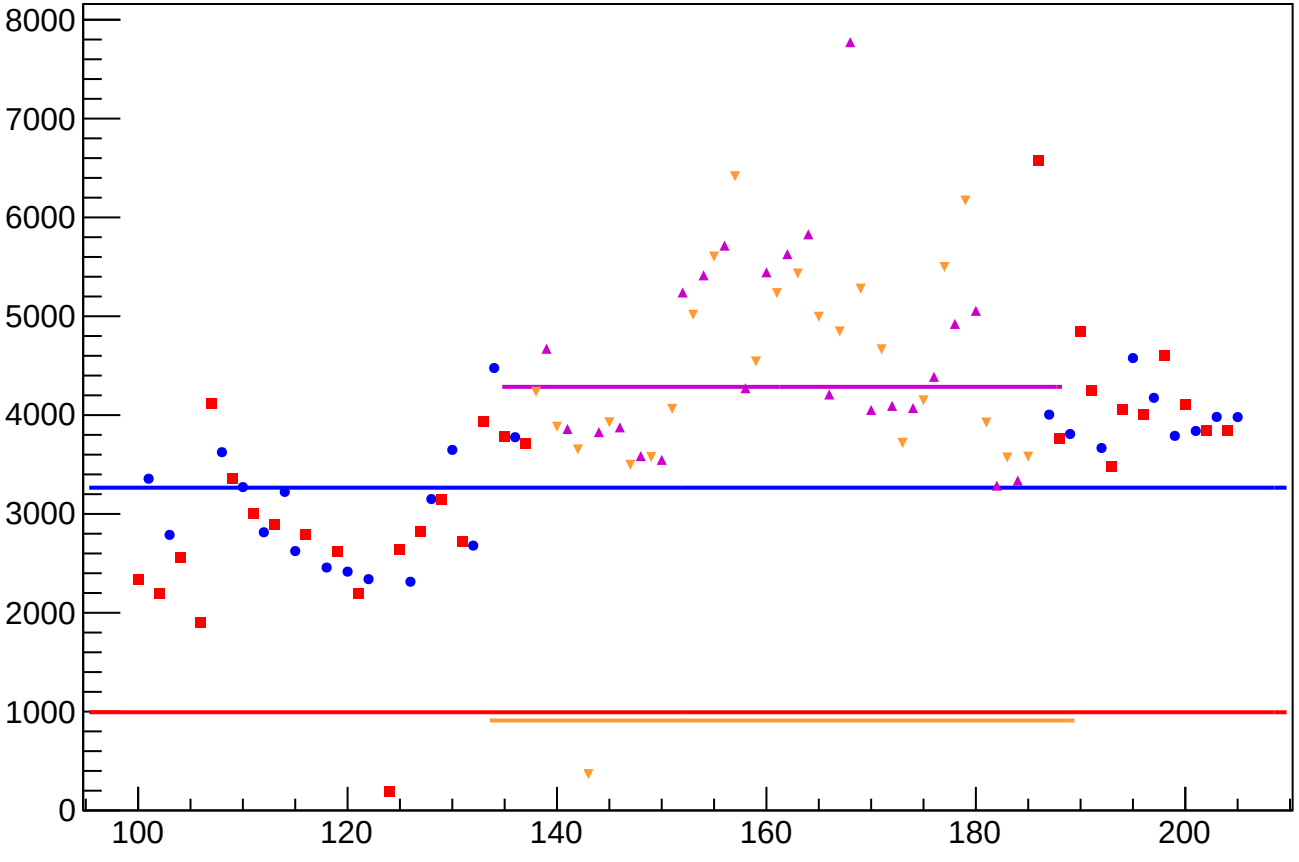
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

\+ sign 293.902+/-349.445 χ^2/NDF: 57.9/49

All: -58.511+/-263.562 χ^2/NDF: 108.2/102

\- sign -523.505+/-401.399 χ^2/NDF: 48.0/52

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3265.524+/-0.630 χ^2/NDF: 1157771.1/24

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 993.484+/-0.309 χ^2/NDF: 20038702.8/29

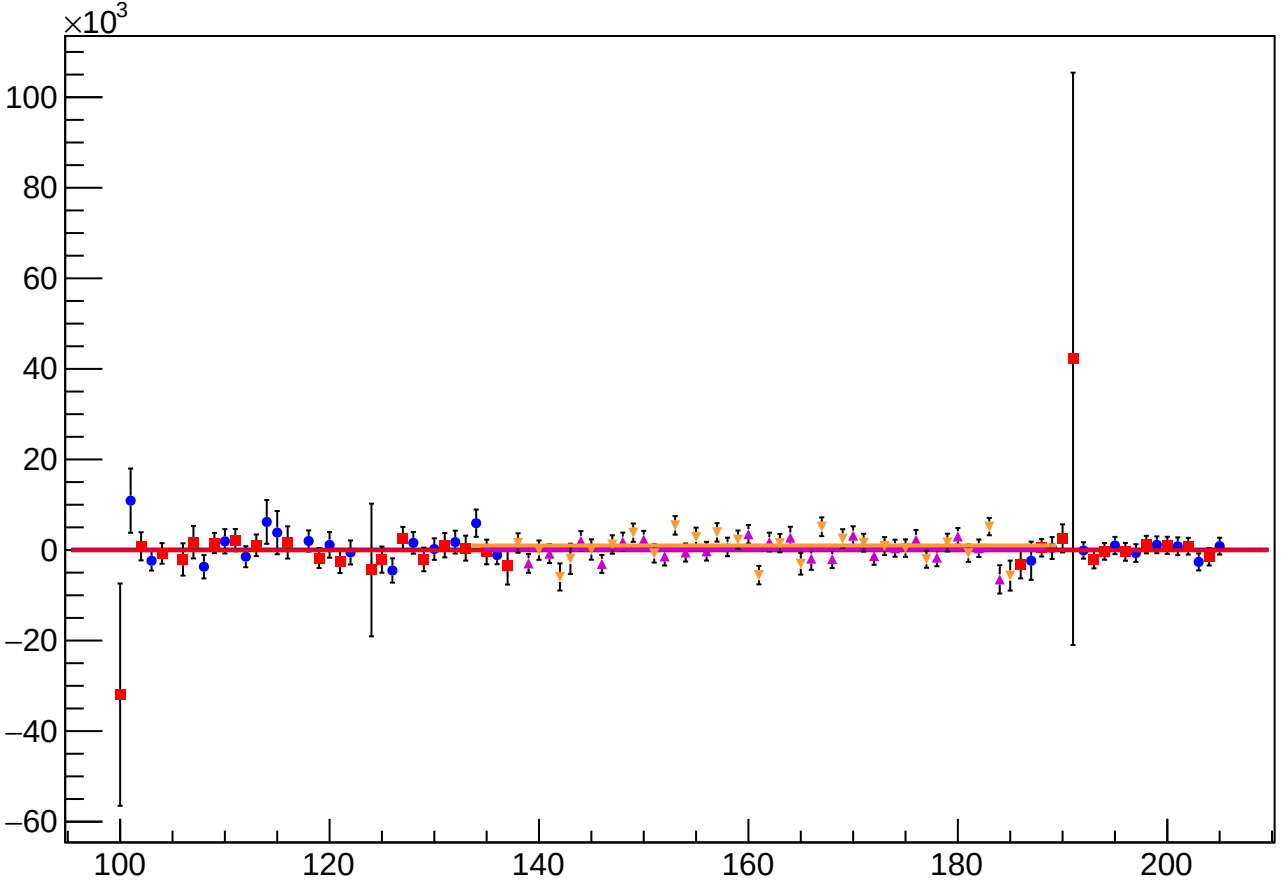
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1272.871+/-0.247 χ^2/NDF: 39770329.2/49

All: 1370.977+/-0.186 χ^2/NDF: 79030271.6/1

- sign 1500.424+/-0.284 χ^2/NDF: 38894302.9/52

cor_asym_atr1l2_dd_mean vs Slug



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.637+/-460.466 χ^2/NDF: 13.9/29

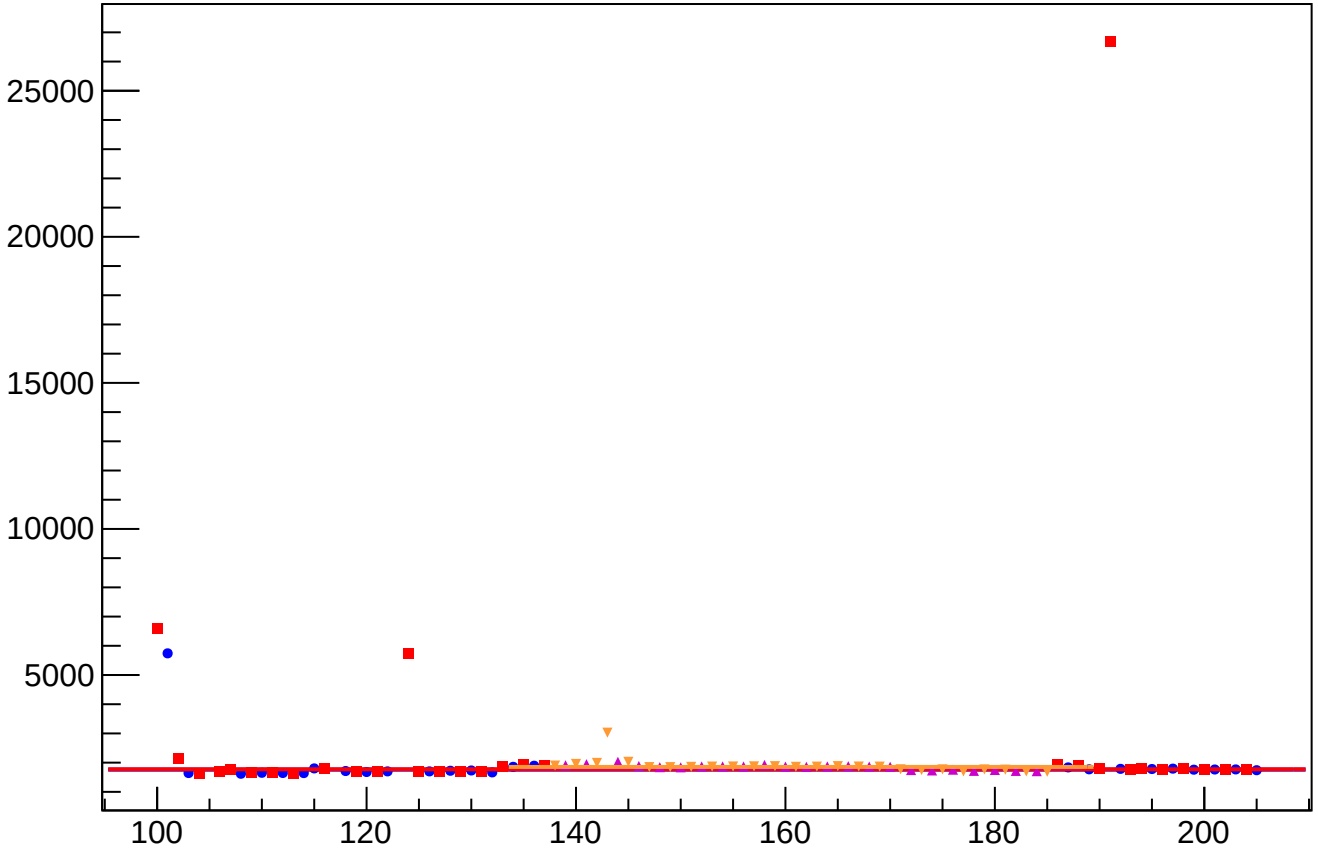
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 599.989+/-315.718 χ^2/NDF: 70.5/49

All: 344.257+/-222.693 χ^2/NDF: 112.3/102

- sign 91.048+/-314.157 χ^2/NDF: 40.5/52

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

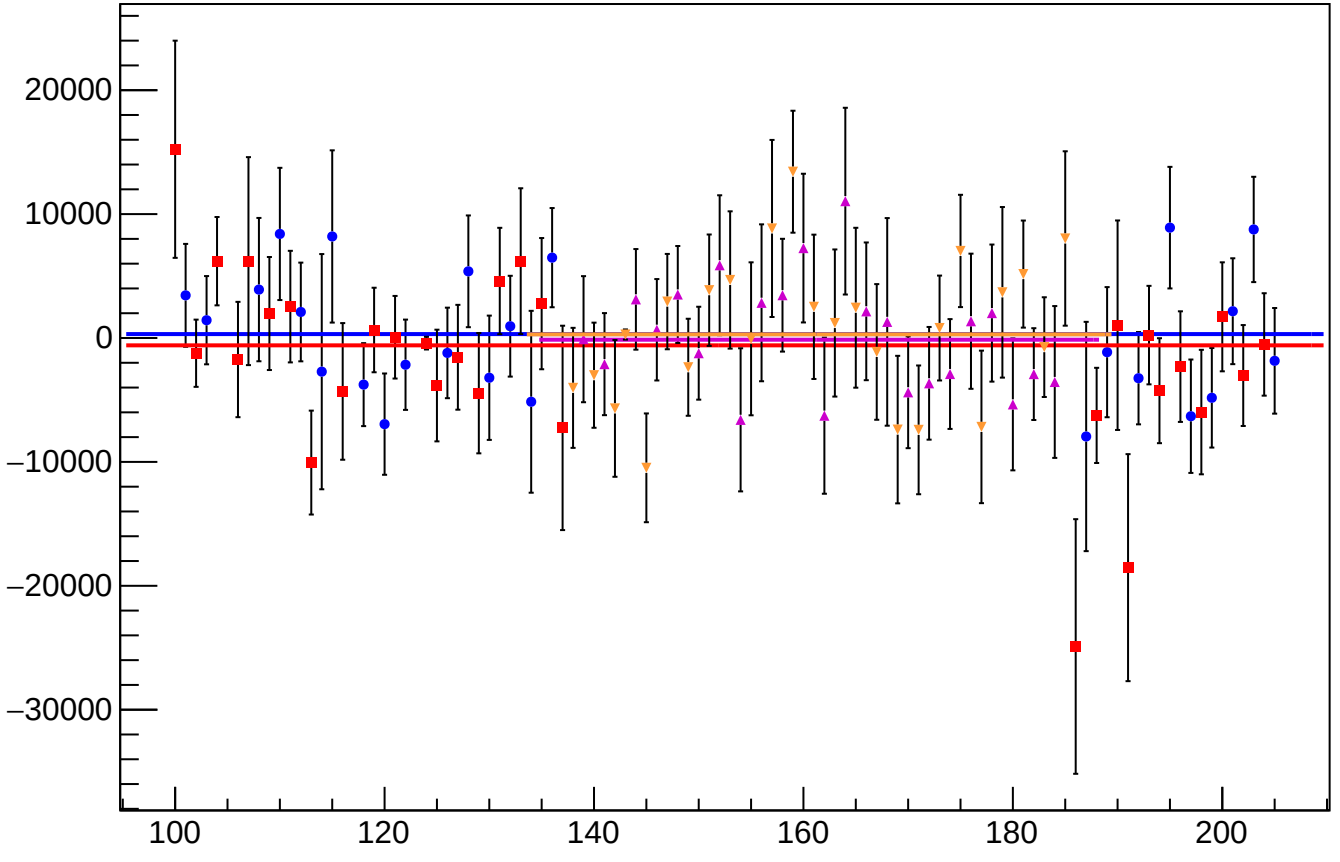
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1812.111+/-0.223 χ^2/NDF: 1034790.2/49

All: 1809.820+/-0.157 χ^2/NDF: 1755639.5/10

- sign 1807.556+/-0.222 χ^2/NDF: 720640.0/52

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -592.534+/-437.192 χ^2/NDF: 33.7/29

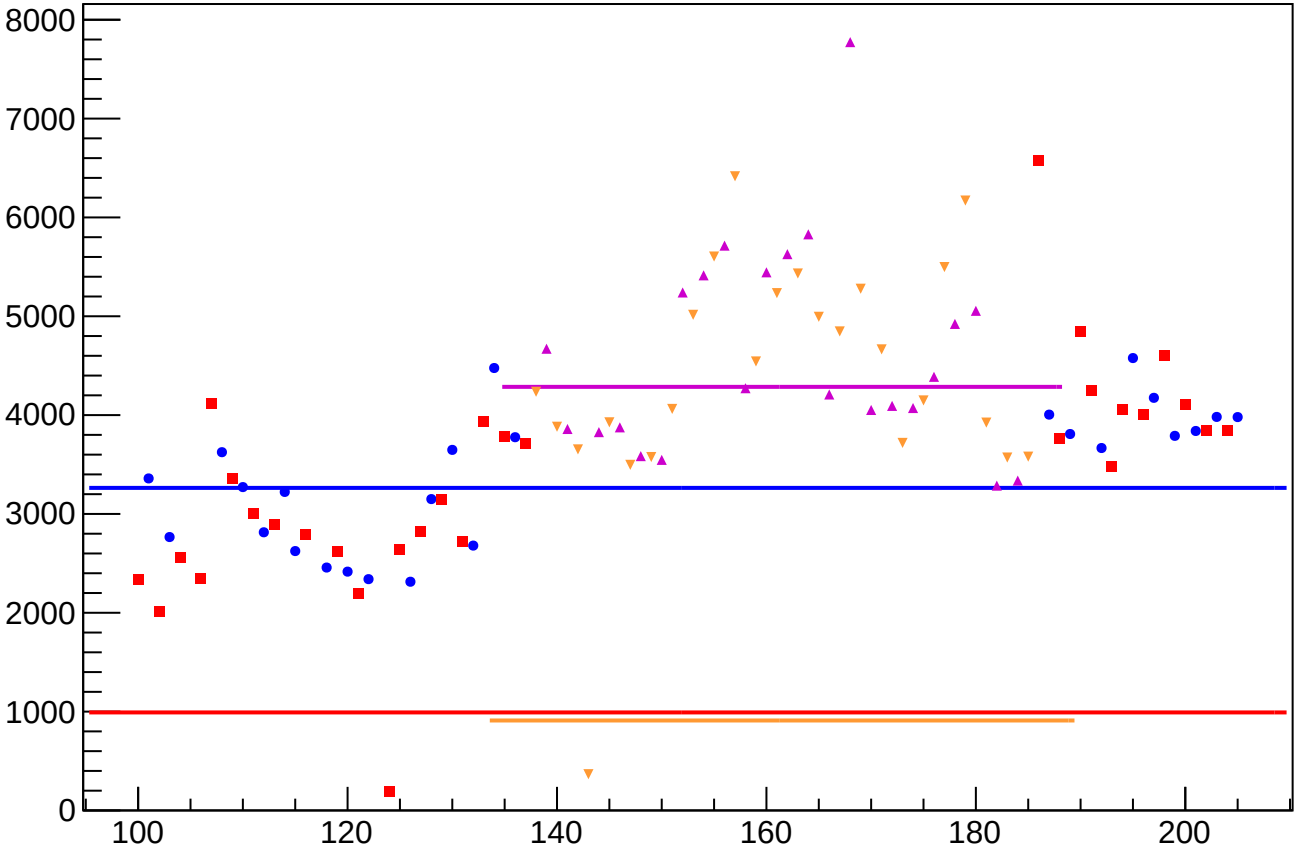
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 298.539+/-349.434 χ^2/NDF: 57.9/49

All: -54.757+/-263.732 χ^2/NDF: 108.1/102

- sign -522.374+/-402.015 χ^2/NDF: 47.8/52

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

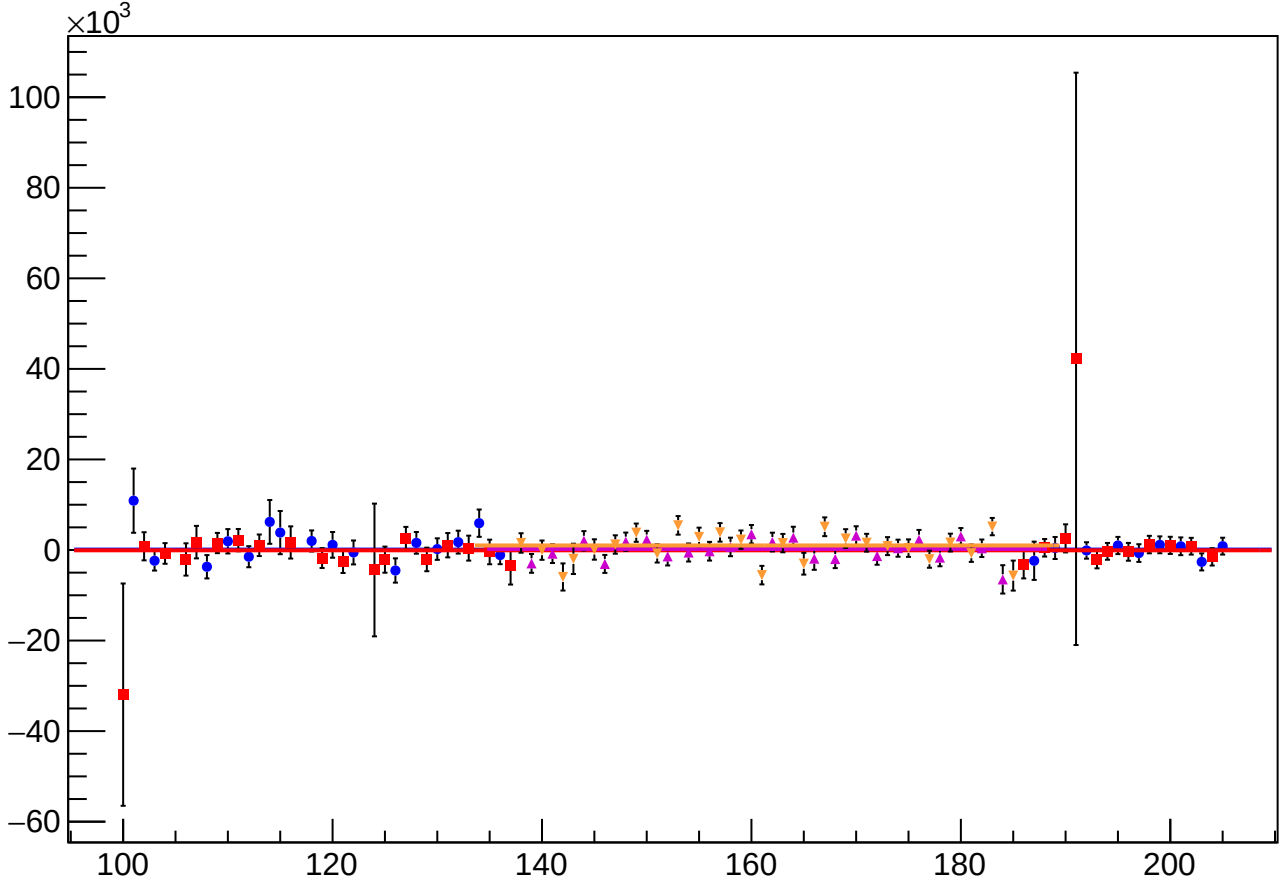
Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1273.106+/-0.247 χ^2/NDF: 39765296.6/49

All: 1370.997+/-0.186 χ^2/NDF: 79003495.5/1

- sign 1500.565+/-0.284 χ^2/NDF: 38873490.8/52



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -67.637+/-460.466 χ^2/NDF: 13.9/29

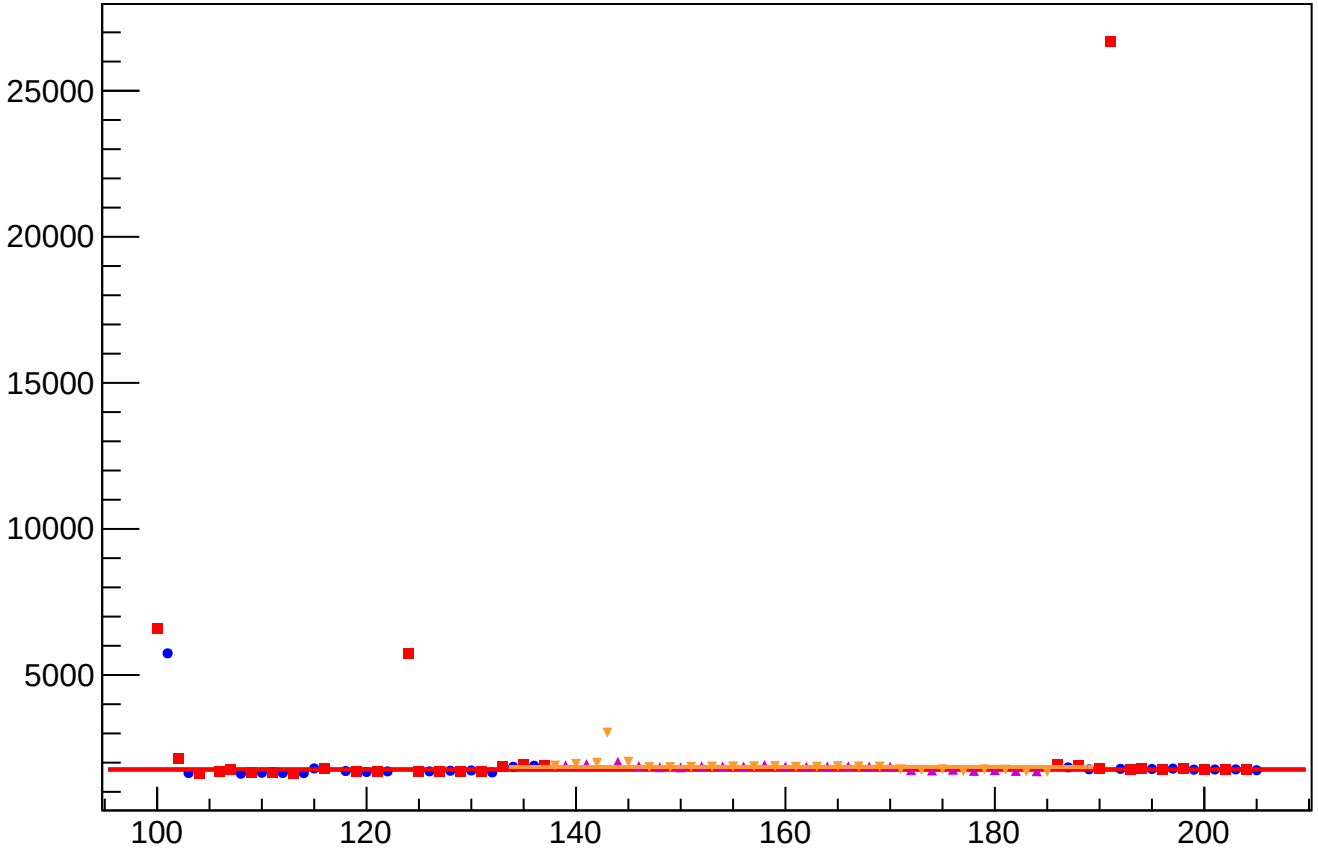
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 599.989+/-315.718 χ^2/NDF: 70.5/49

All: 344.257+/-222.693 χ^2/NDF: 112.3/102

- sign 91.048+/-314.157 χ^2/NDF: 40.5/52

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

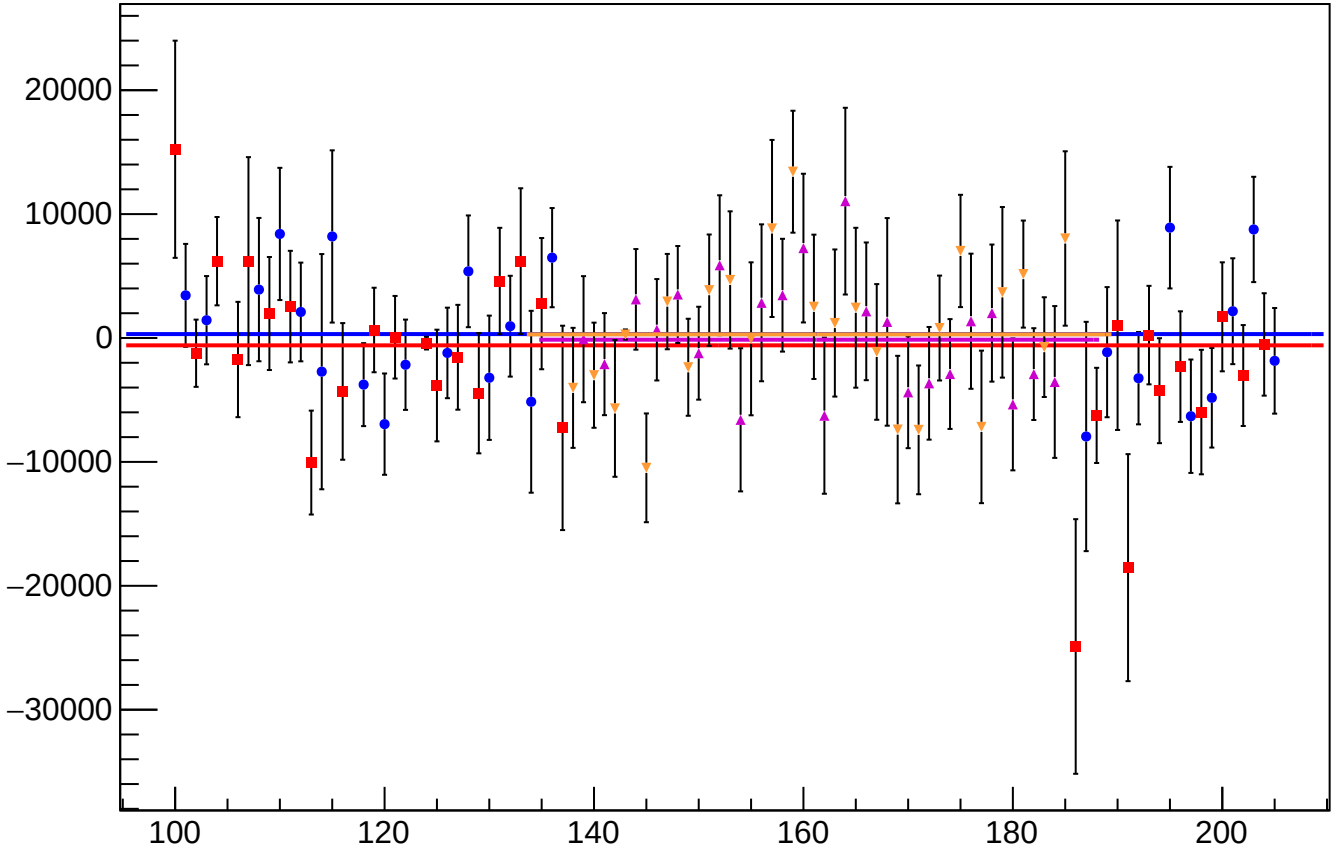
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1812.111+/-0.223 χ^2/NDF: 1034790.2/49

All: 1809.820+/-0.157 χ^2/NDF: 1755639.5/10

- sign 1807.556+/-0.222 χ^2/NDF: 720640.0/52

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -592.534+/-437.192 χ^2/NDF: 33.7/29

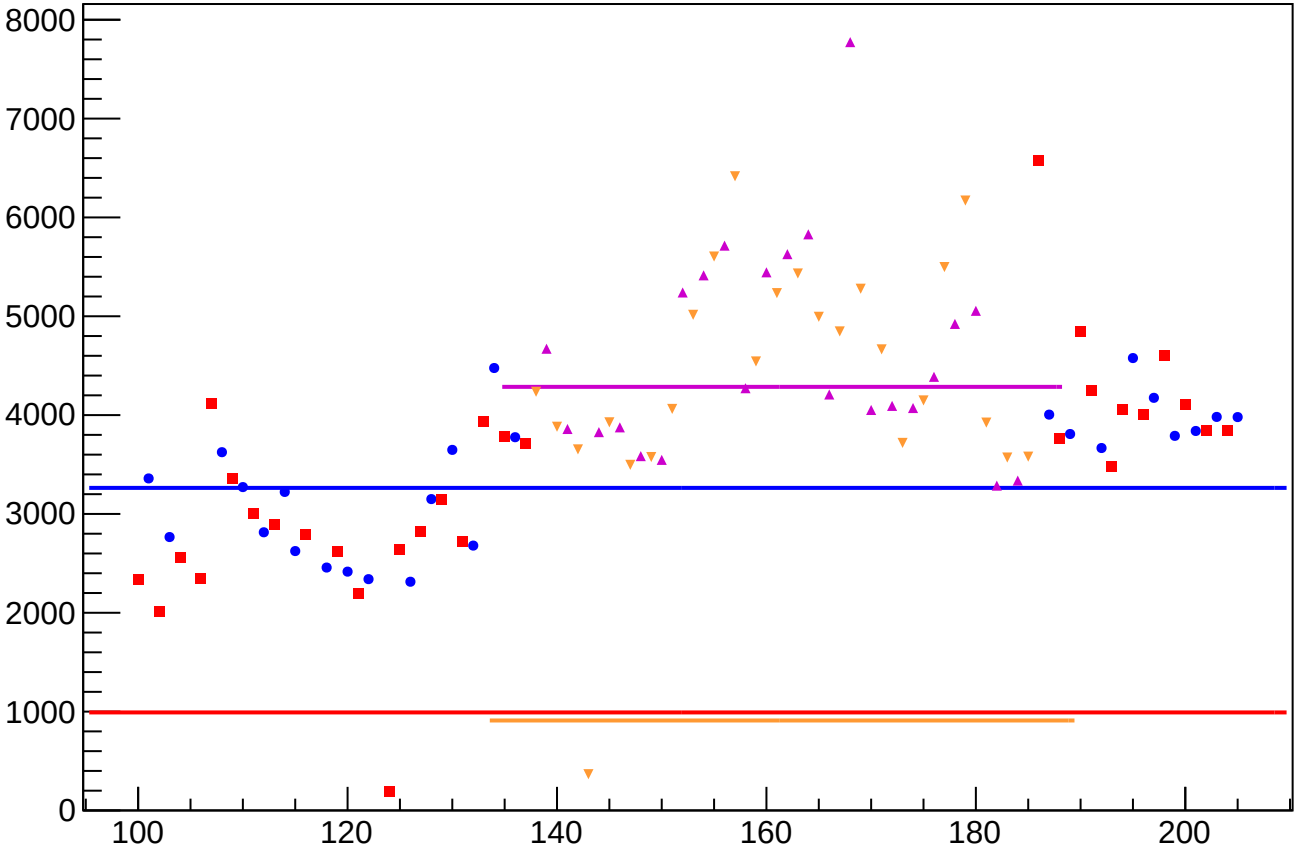
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 298.539+/-349.434 χ^2/NDF: 57.9/49

All: -54.757+/-263.732 χ^2/NDF: 108.1/102

- sign -522.374+/-402.015 χ^2/NDF: 47.8/52

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

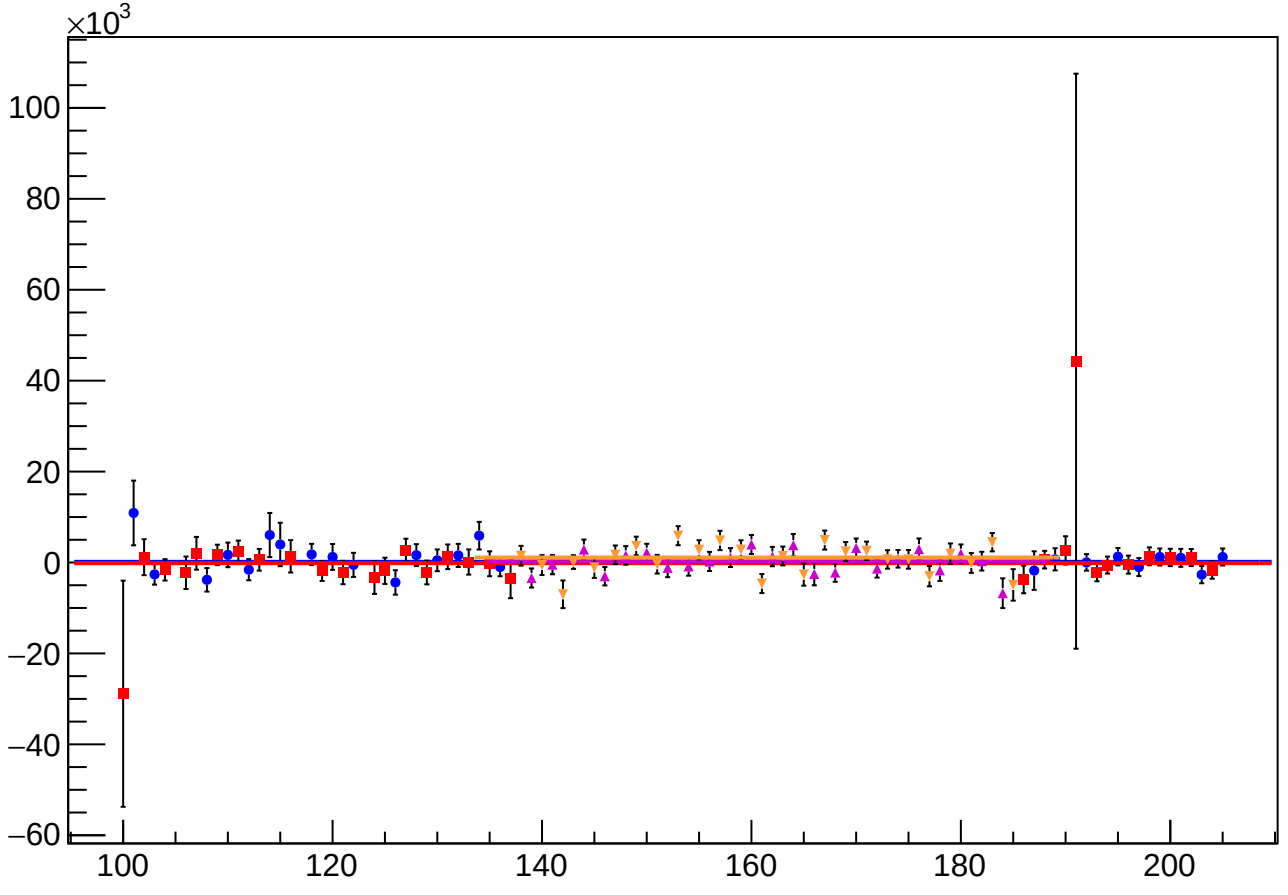
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1273.106+/-0.247 χ^2/NDF: 39765296.6/49

All: 1370.997+/-0.186 χ^2/NDF: 79003495.5/1

- sign 1500.565+/-0.284 χ^2/NDF: 38873490.8/52

dit_asym_atr1l2_dd_mean vs Slug



Right In: 144.722+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -148.098+/-461.718 χ^2/NDF: 15.7/29

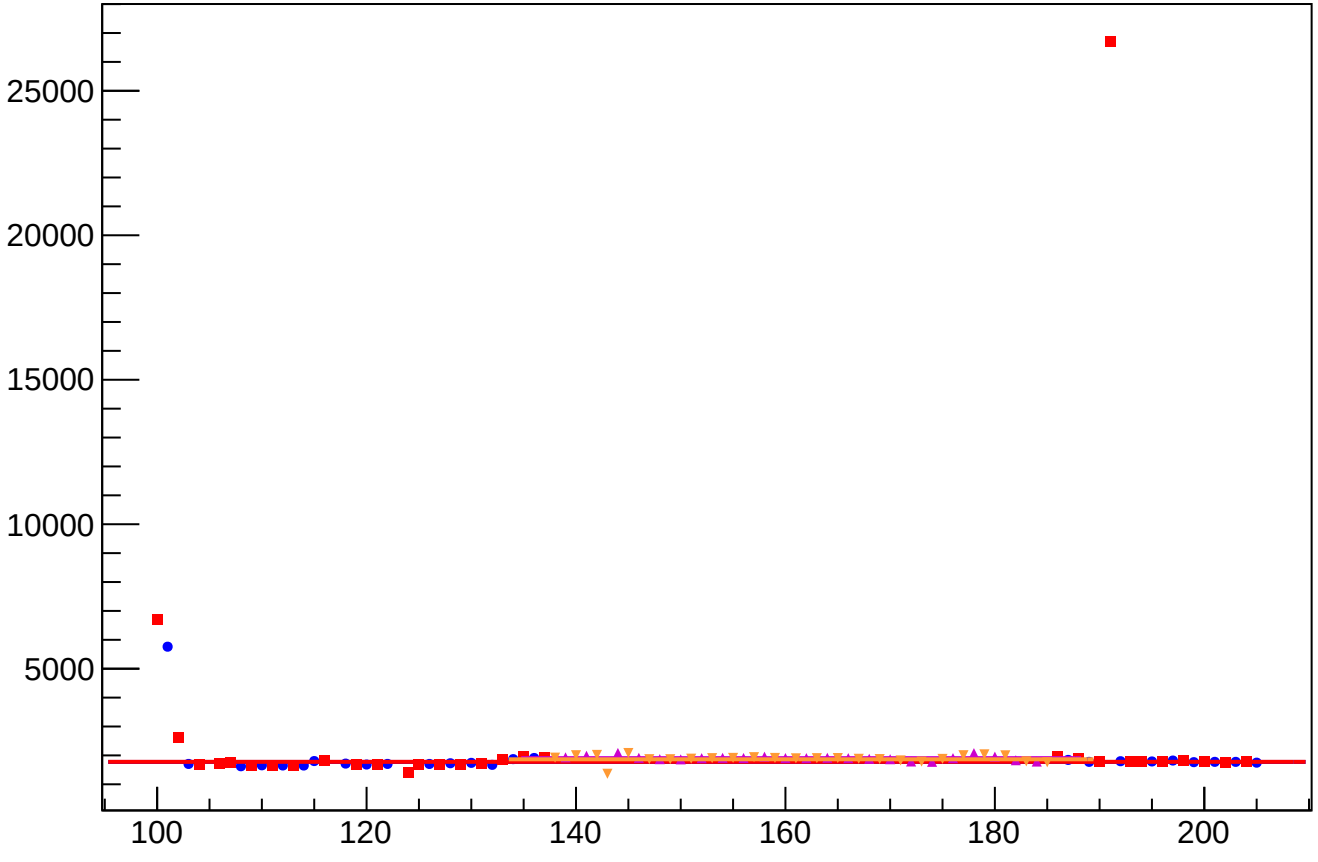
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 679.821+/-317.773 χ^2/NDF: 68.3/49

All: 375.423+/-225.672 χ^2/NDF: 113.9/102

- sign 65.699+/-320.542 χ^2/NDF: 43.8/52

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

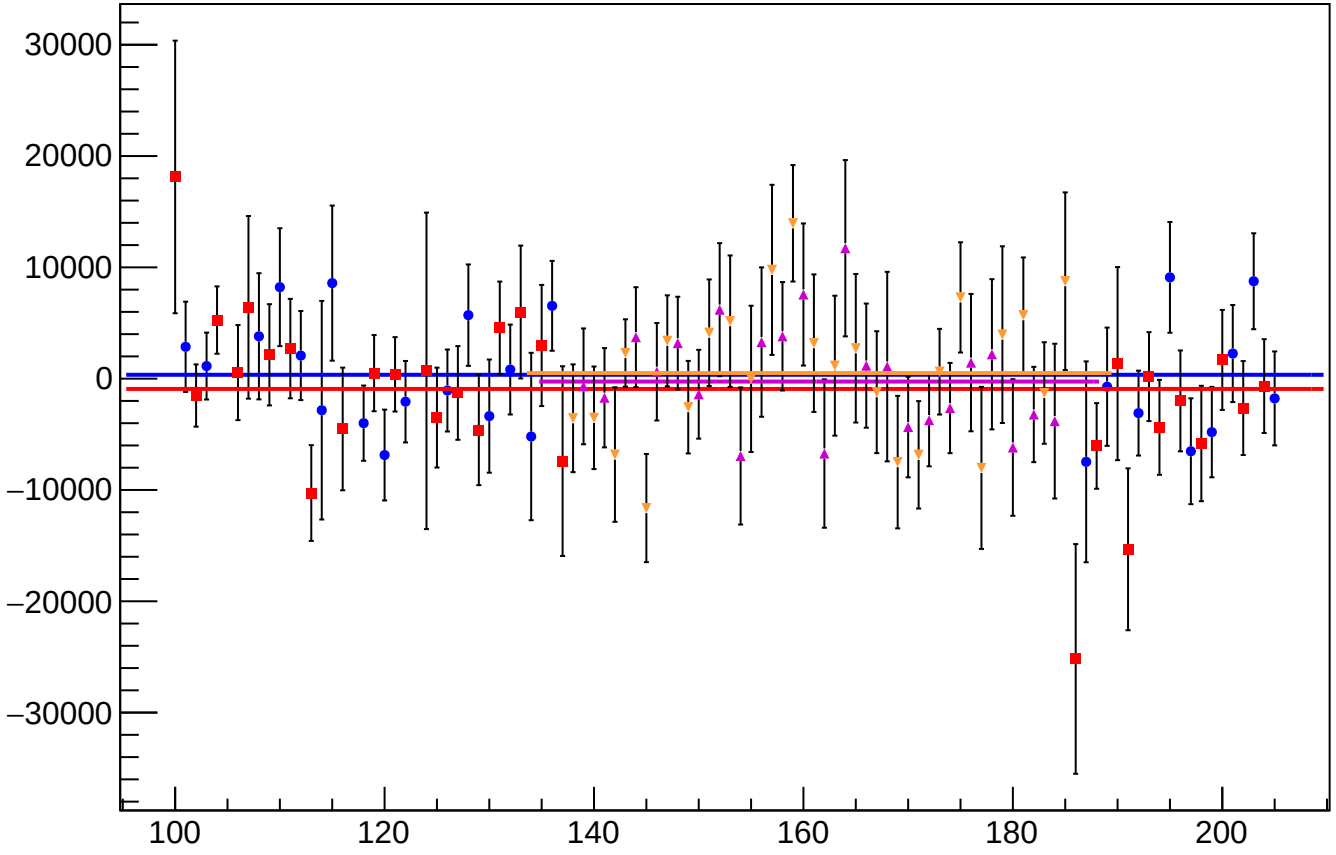
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1824.082+/-0.225 χ^2/NDF: 1007220.1/49

All: 1833.784+/-0.160 χ^2/NDF: 1705731.6/10

- sign 1843.642+/-0.226 χ^2/NDF: 694752.8/52

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 348.866+/-884.157 χ^2/NDF: 27.6/24

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -921.750+/-835.069 χ^2/NDF: 32.7/29

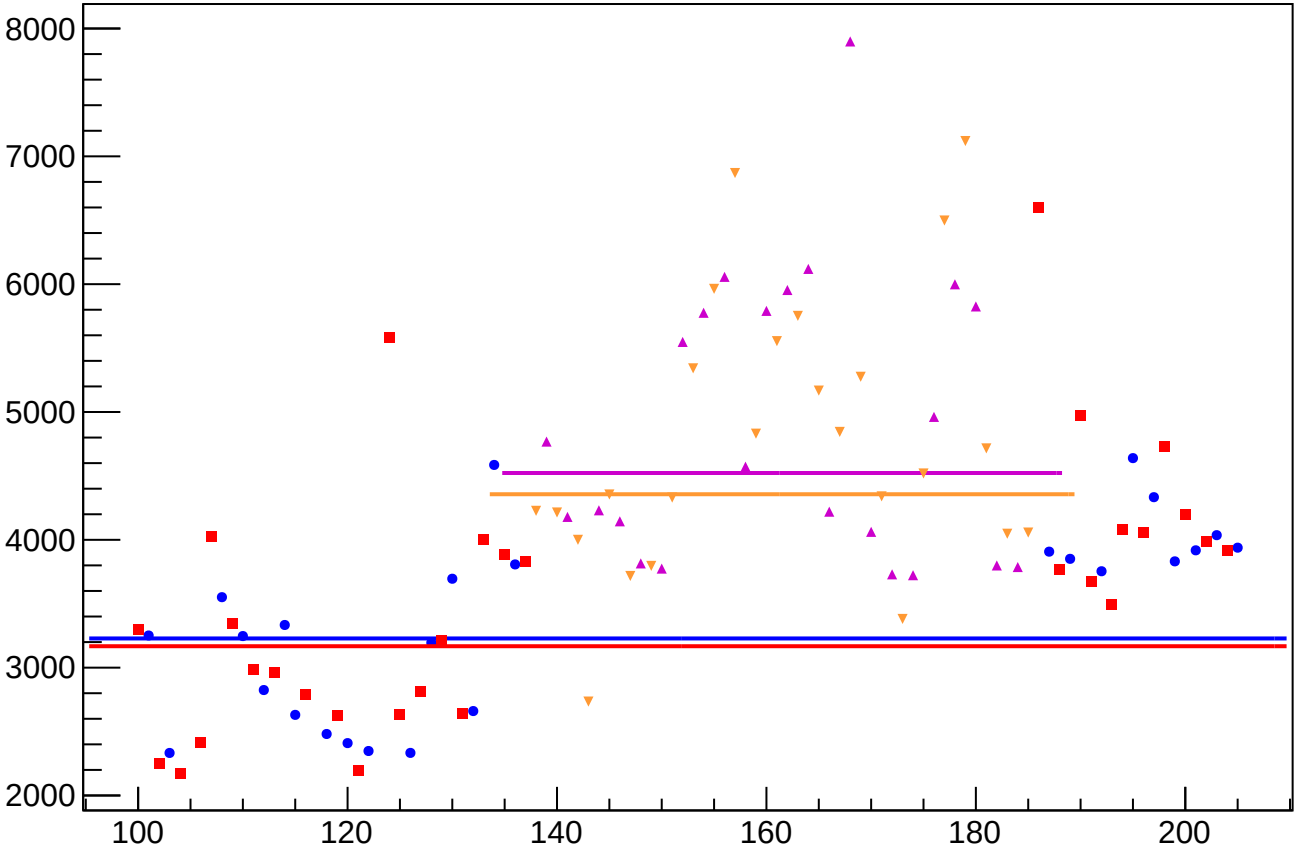
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 415.409+/-668.569 χ^2/NDF: 57.6/49

All: -136.022+/-470.030 χ^2/NDF: 105.5/102

- sign -674.943+/-660.943 χ^2/NDF: 46.6/52

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3228.452+/-0.625 χ^2/NDF: 1361204.6/24

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3167.668+/-0.590 χ^2/NDF: 1949601.1/29

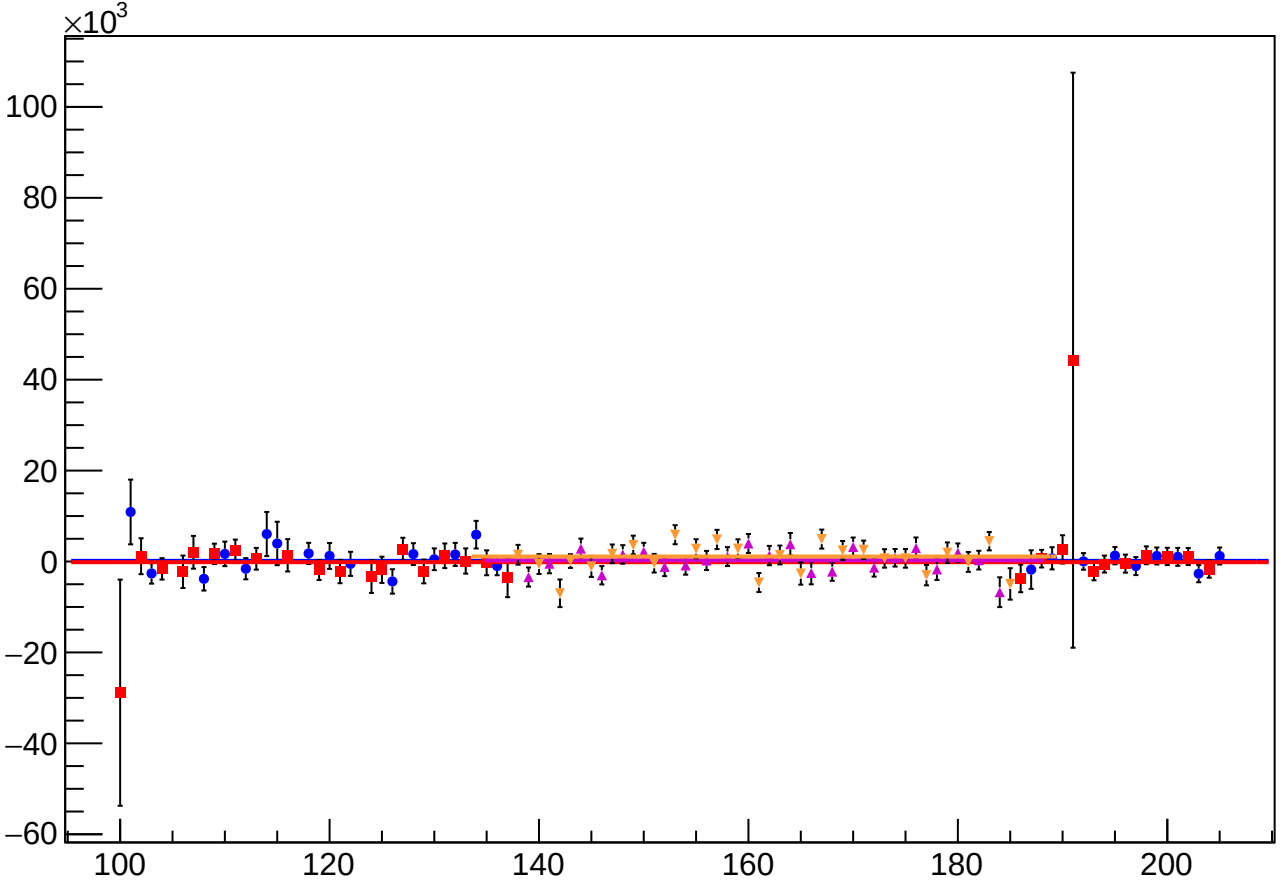
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3711.559+/-0.473 χ^2/NDF: 4667956.0/49

All: 3692.502+/-0.332 χ^2/NDF: 10022184.3/1

- sign 3673.879+/-0.467 χ^2/NDF: 5351015.5/52

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 144.723+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -148.095+/-461.718 χ^2/NDF: 15.7/29

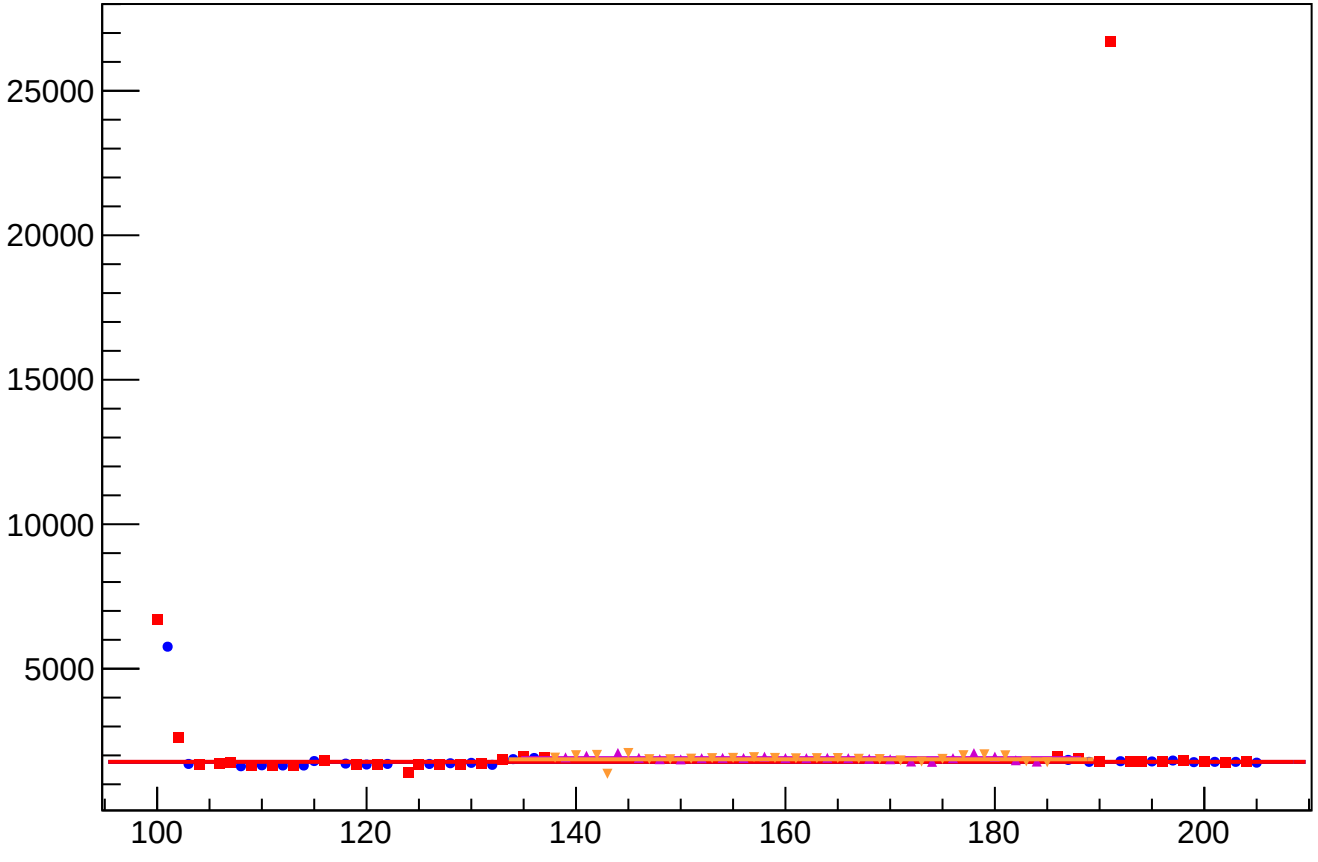
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 679.822+/-317.773 χ^2/NDF: 68.3/49

All: 375.425+/-225.672 χ^2/NDF: 113.9/102

- sign 65.700+/-320.542 χ^2/NDF: 43.8/52

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

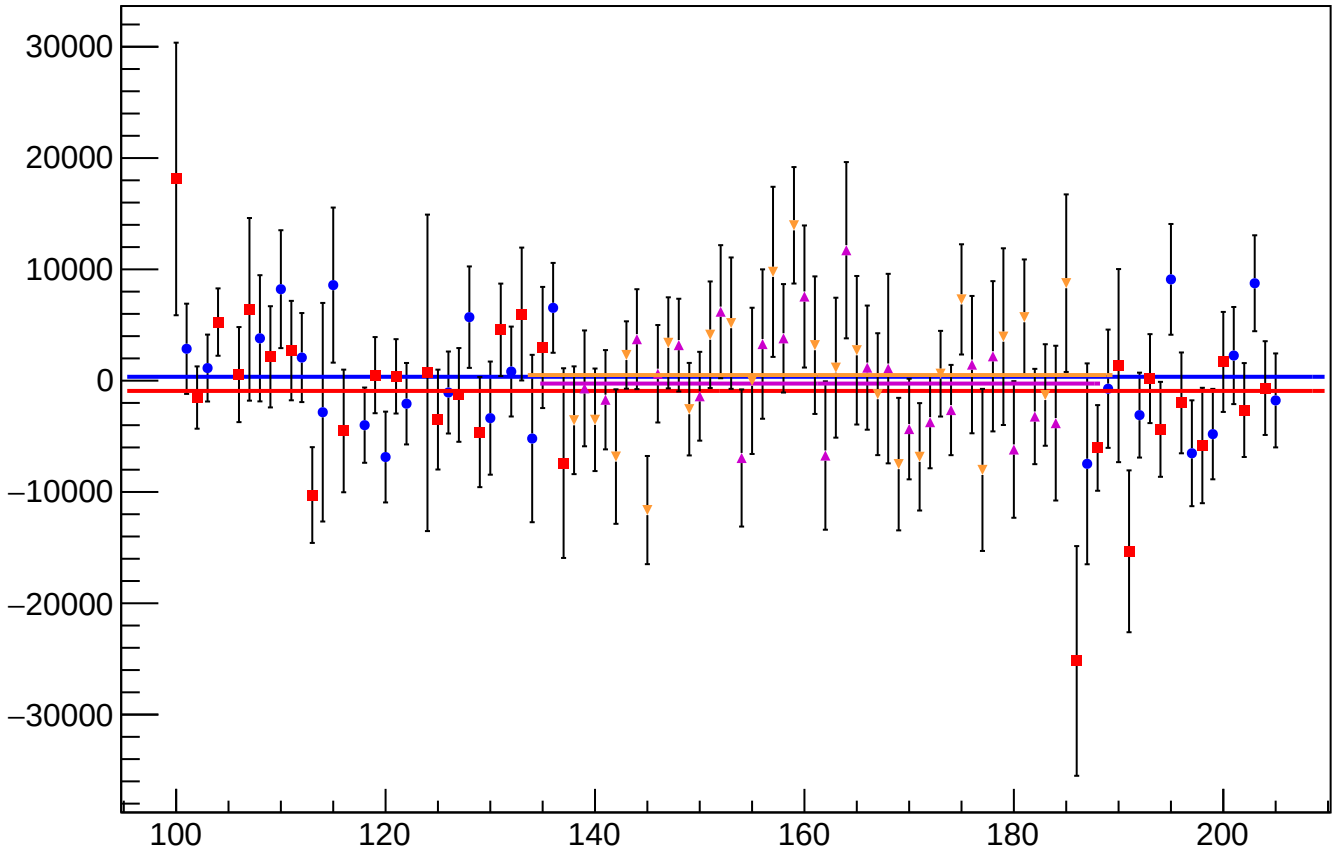
Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1824.082+/-0.225 χ^2/NDF: 1007224.3/49

All: 1833.785+/-0.160 χ^2/NDF: 1705739.3/10

- sign 1843.643+/-0.227 χ^2/NDF: 694756.3/52



Right In: 348.862+/-884.156 χ^2/NDF: 27.6/24

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -921.747+/-835.068 χ^2/NDF: 32.7/29

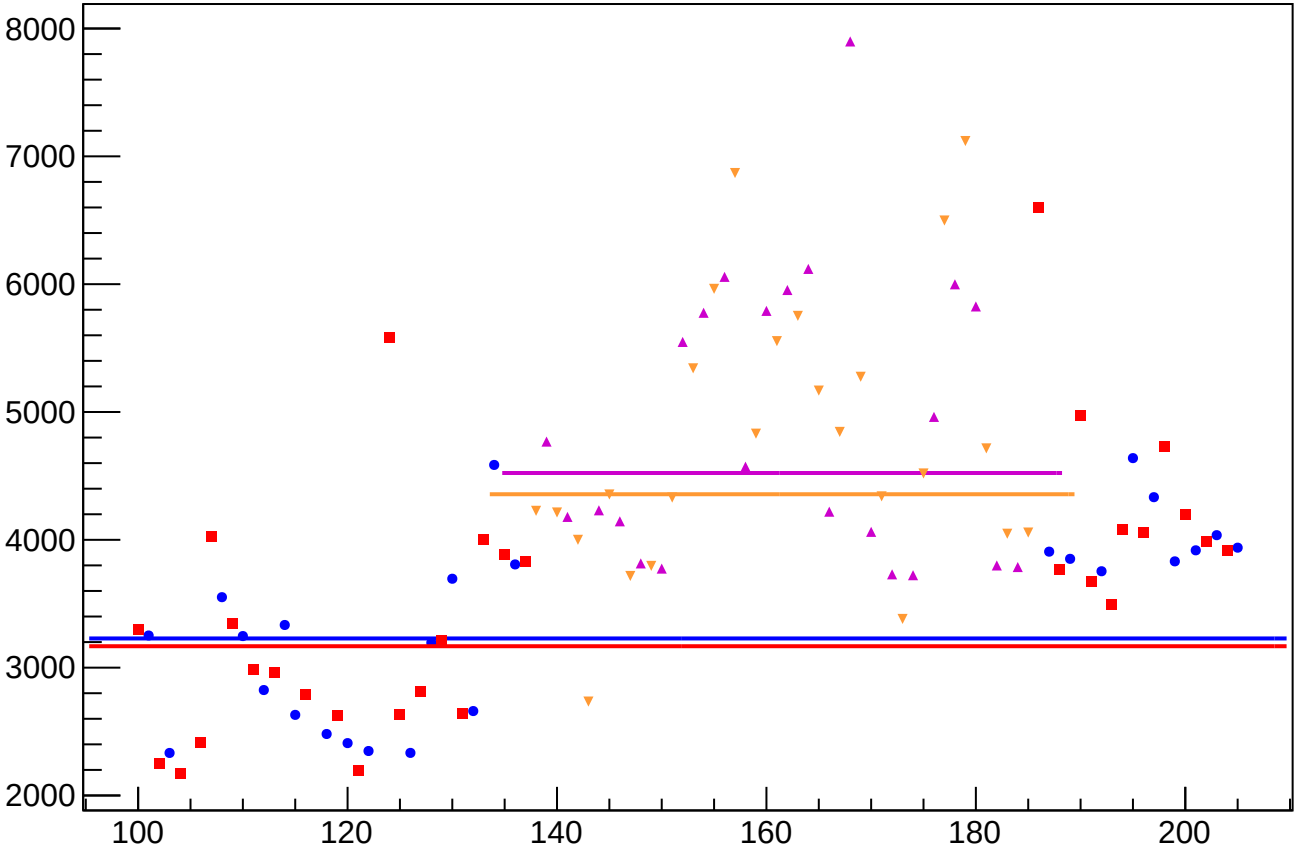
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 415.407+/-668.569 χ^2/NDF: 57.6/49

All: -136.022+/-470.030 χ^2/NDF: 105.5/102

- sign -674.942+/-660.943 χ^2/NDF: 46.6/52

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3228.447+/-0.625 χ^2/NDF: 1361227.9/24

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3167.665+/-0.590 χ^2/NDF: 1949613.5/29

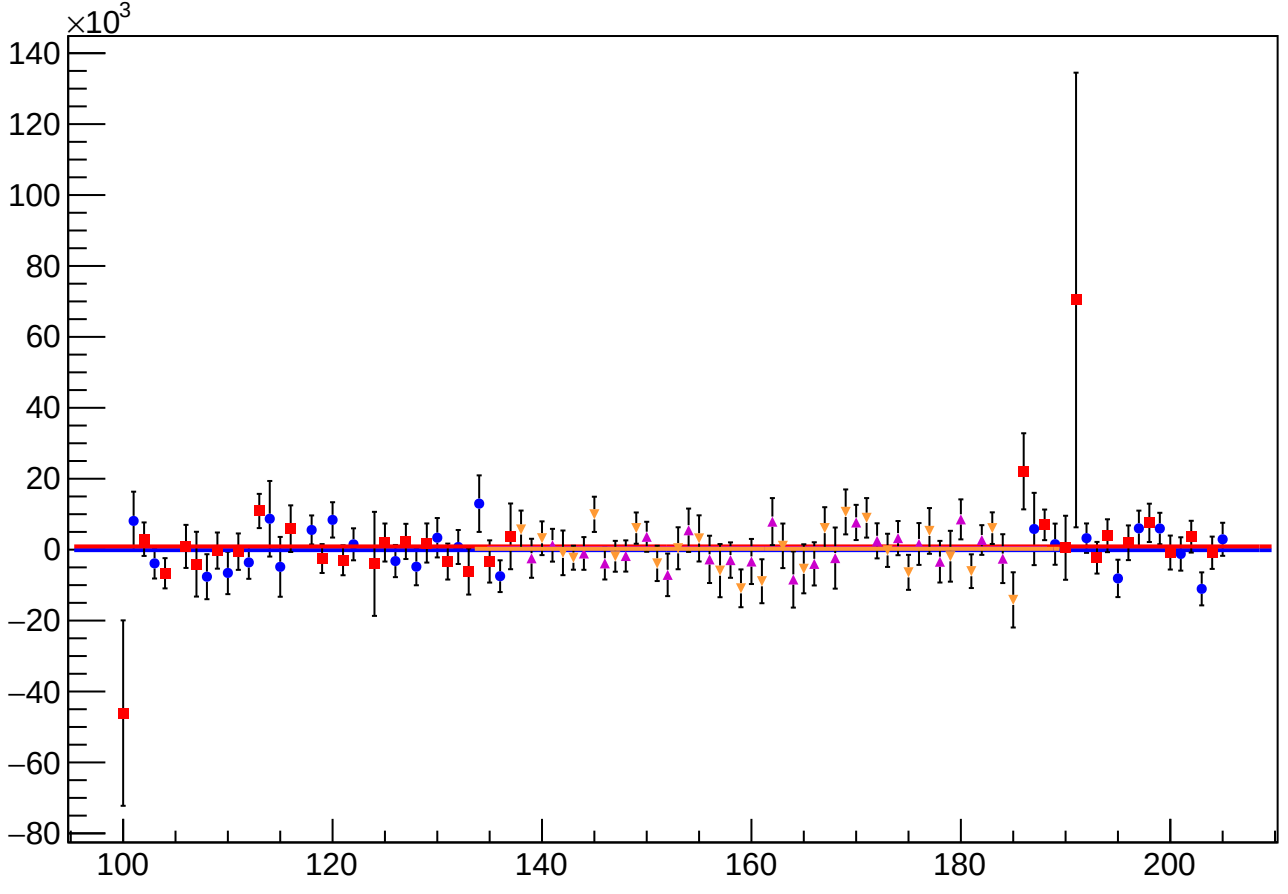
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3711.557+/-0.473 χ^2/NDF: 4668012.3/49

All: 3692.501+/-0.332 χ^2/NDF: 10022284.3/1

- sign 3673.878+/-0.467 χ^2/NDF: 5351059.3/52

asym_atr1l2_dd_mean vs Slug



Right In: -137.244+/-1037.184 χ^2/NDF: 30.7/24

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 911.097+/-998.215 χ^2/NDF: 26.4/29

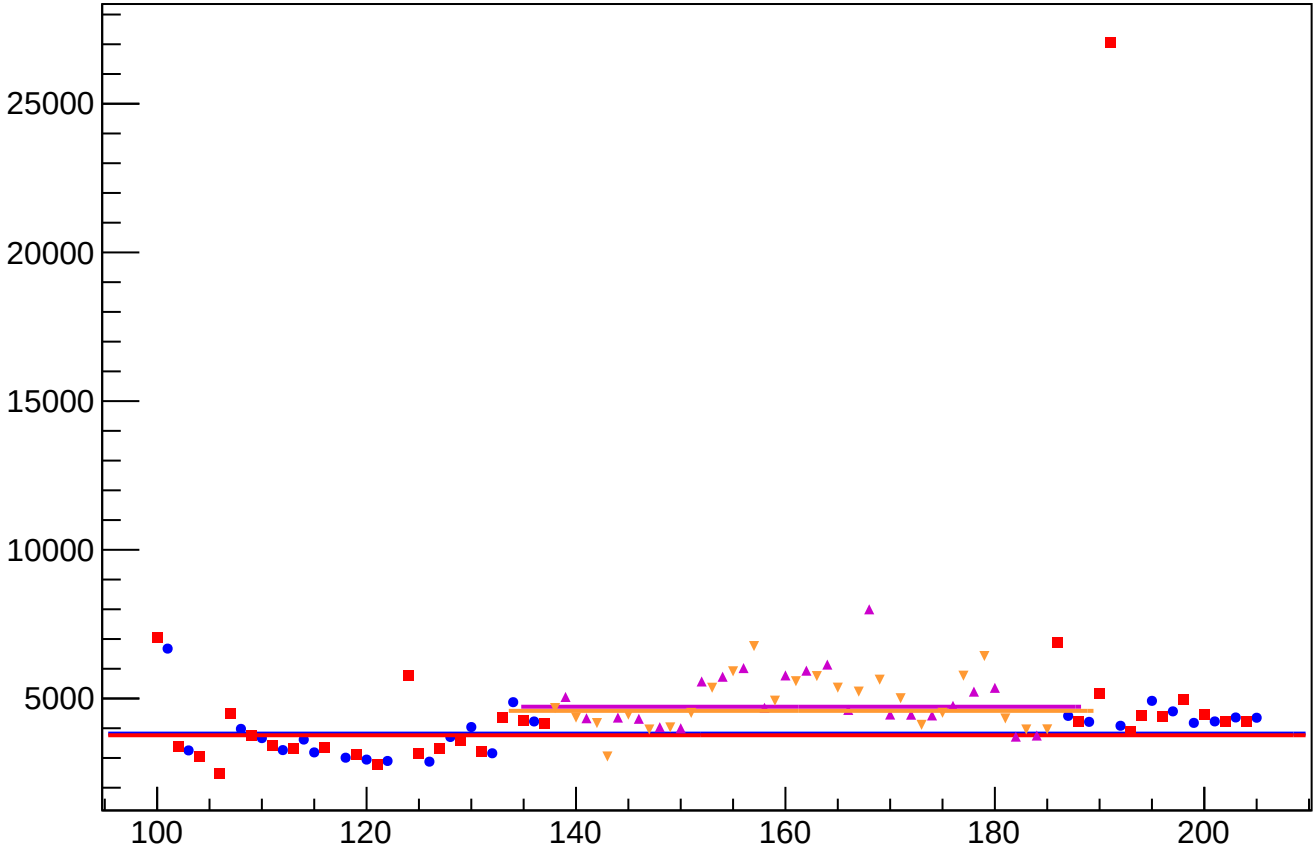
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 46.415+/-742.919 χ^2/NDF: 63.0/49

All: 364.164+/-526.263 χ^2/NDF: 104.1/102

- sign 684.198+/-745.585 χ^2/NDF: 40.7/52

asym_atr1l2_dd_rms vs Slug



Right In: 3819.197+/-0.733 χ^2/NDF: 960152.7/24

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3764.056+/-0.700 χ^2/NDF: 1361576.5/29

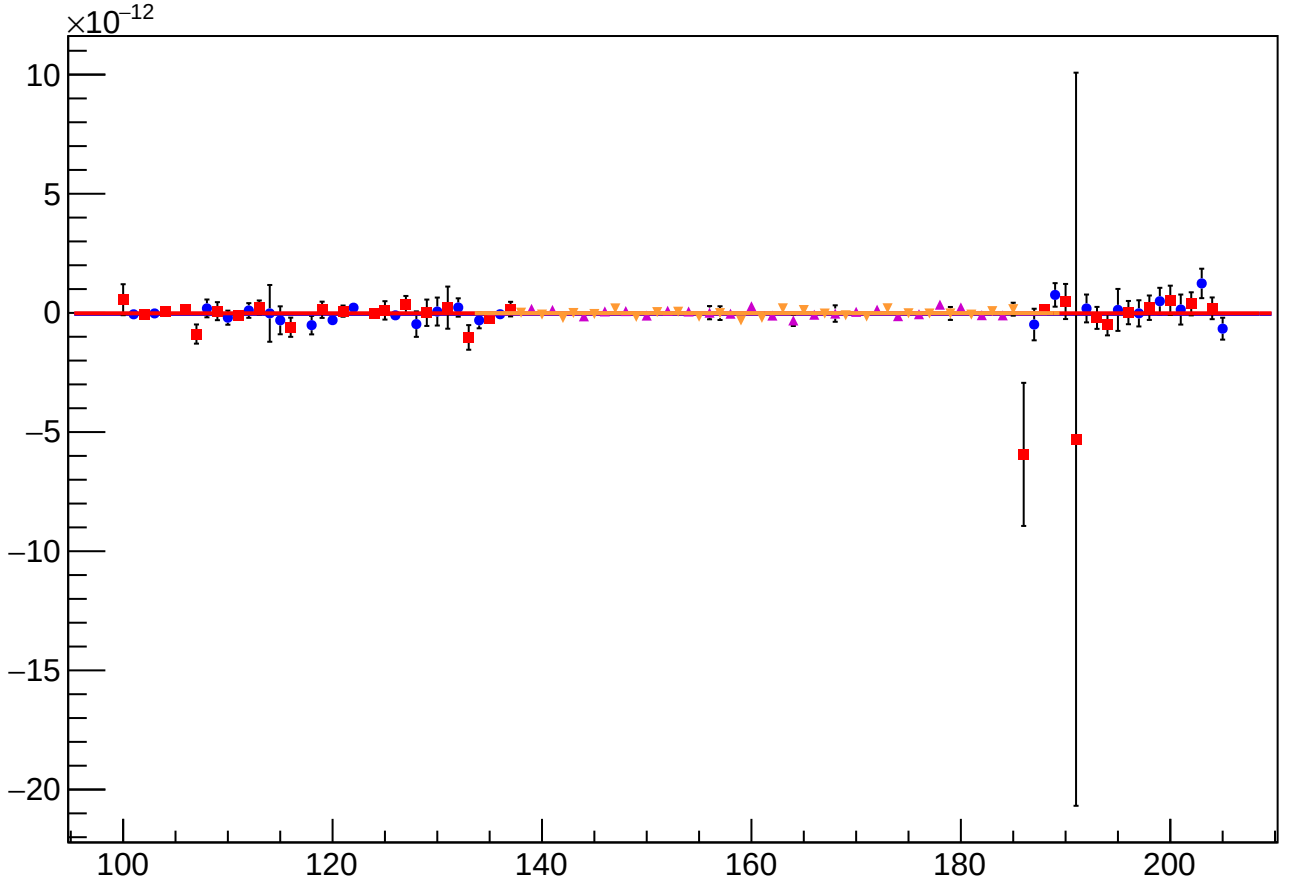
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4191.930+/-0.525 χ^2/NDF: 2802322.3/49

All: 4187.930+/-0.371 χ^2/NDF: 6002902.9/10

- sign 4183.939+/-0.525 χ^2/NDF: 3200464.8/52

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/29

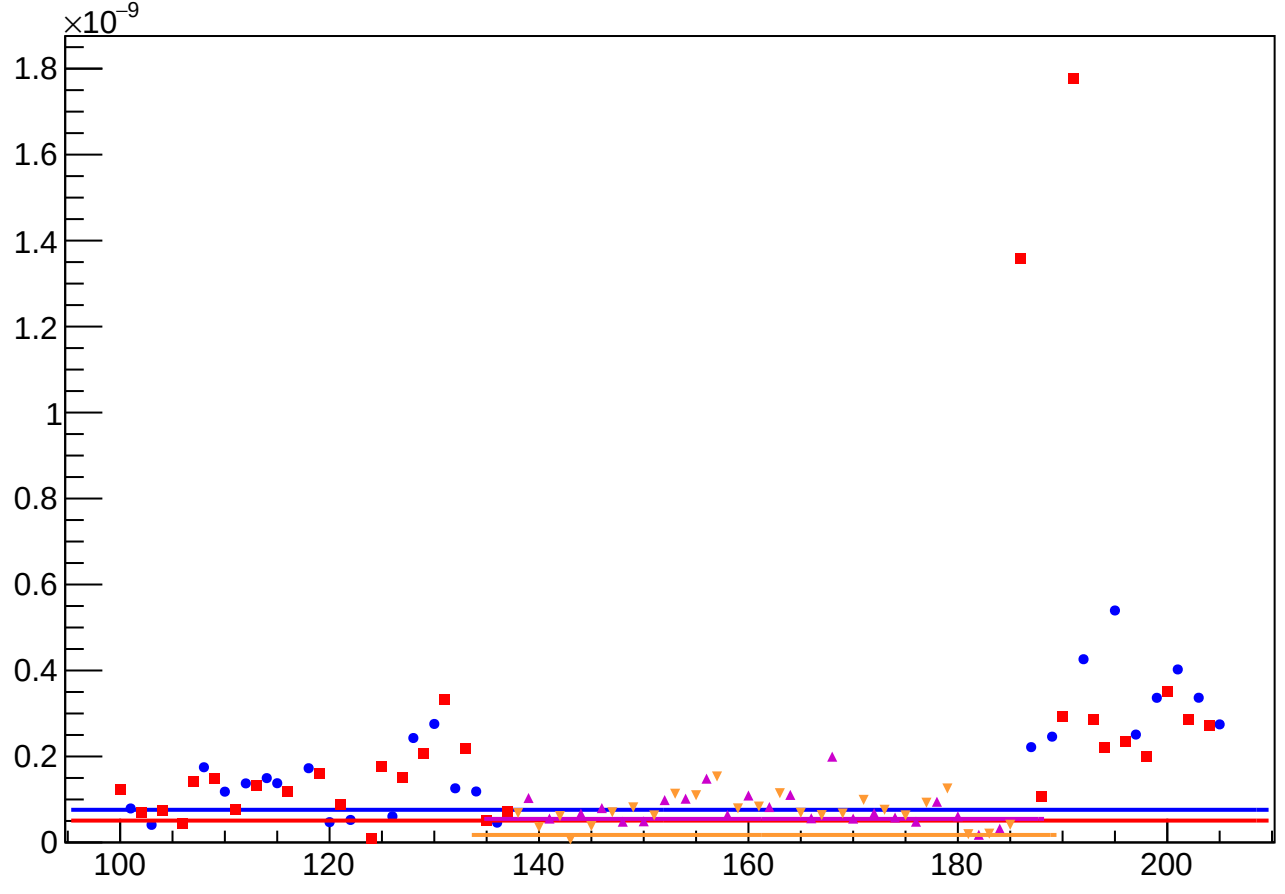
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/49

All: -0.000+/-0.000 χ^2/NDF: 95.1/102

- sign -0.000+/-0.000 χ^2/NDF: 52.8/52

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5104507.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6777483.7/29

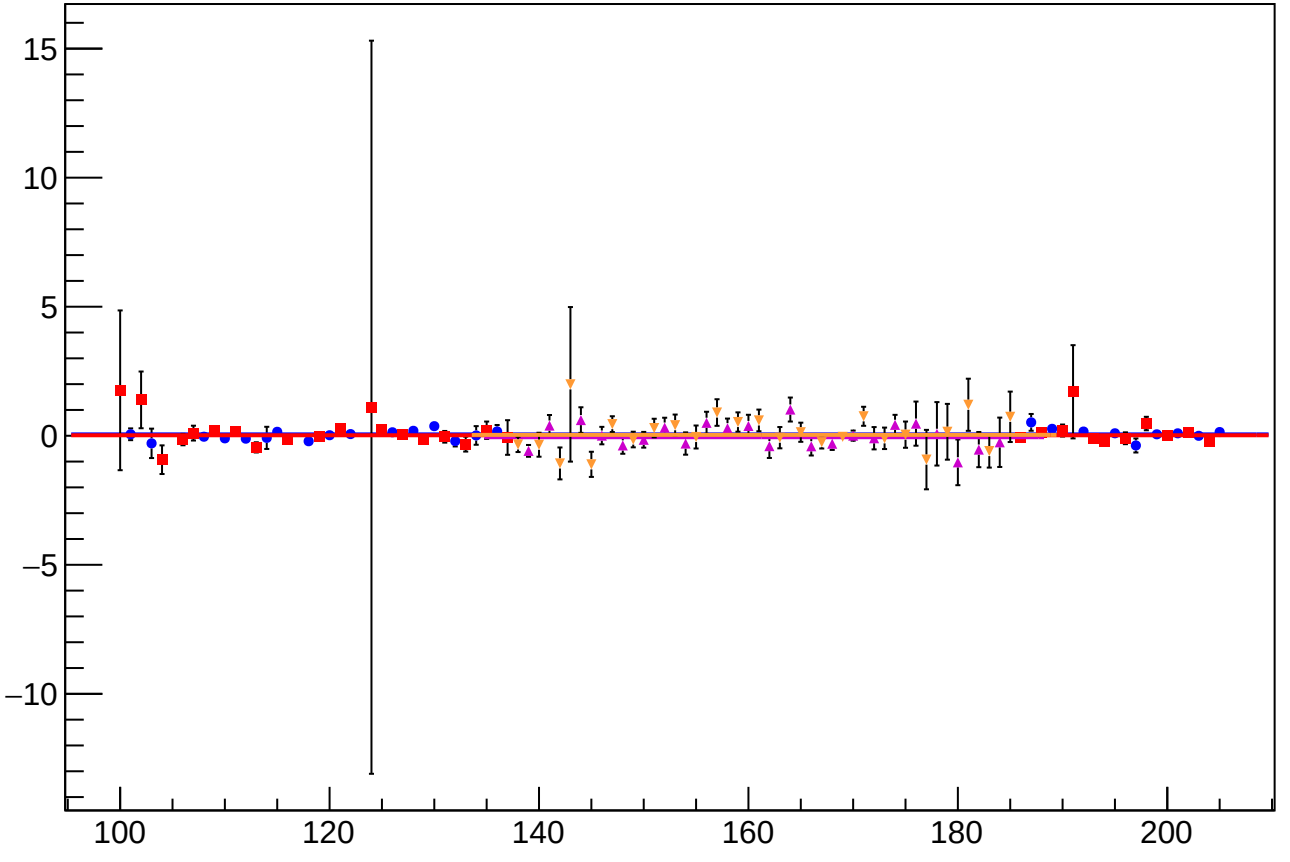
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 17385980.5/49

All: 0.000+/-0.000 χ^2/NDF: 31104829.3/102

- sign 0.000+/-0.000 χ^2/NDF: 9593749.7/52

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

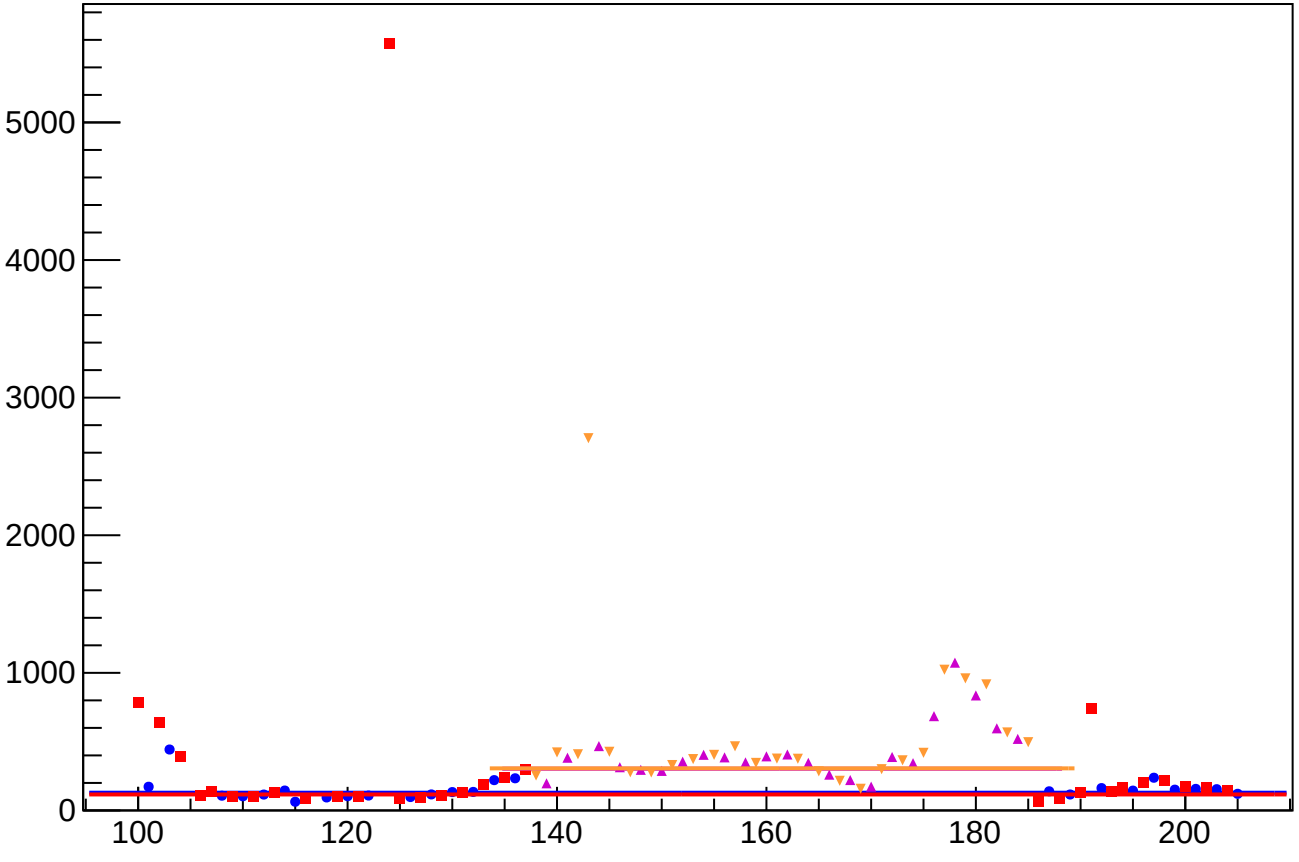
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.027+/-0.023 χ^2/NDF: 111.6/102

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

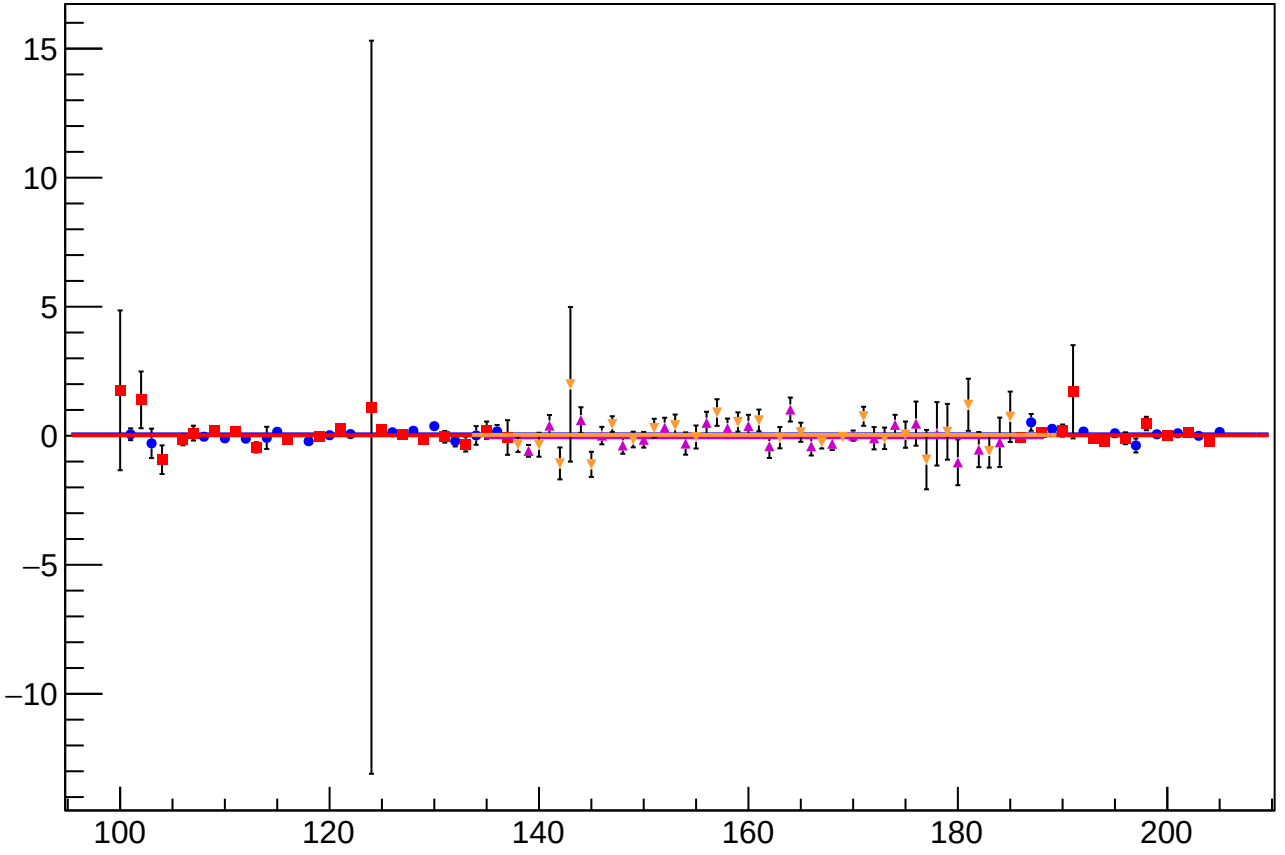
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 161.645+/-0.024 χ^2/NDF: 17440681.6/49

All: 153.329+/-0.016 χ^2/NDF: 36675387.5/10

- sign 146.225+/-0.022 χ^2/NDF: 19005760.9/52

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

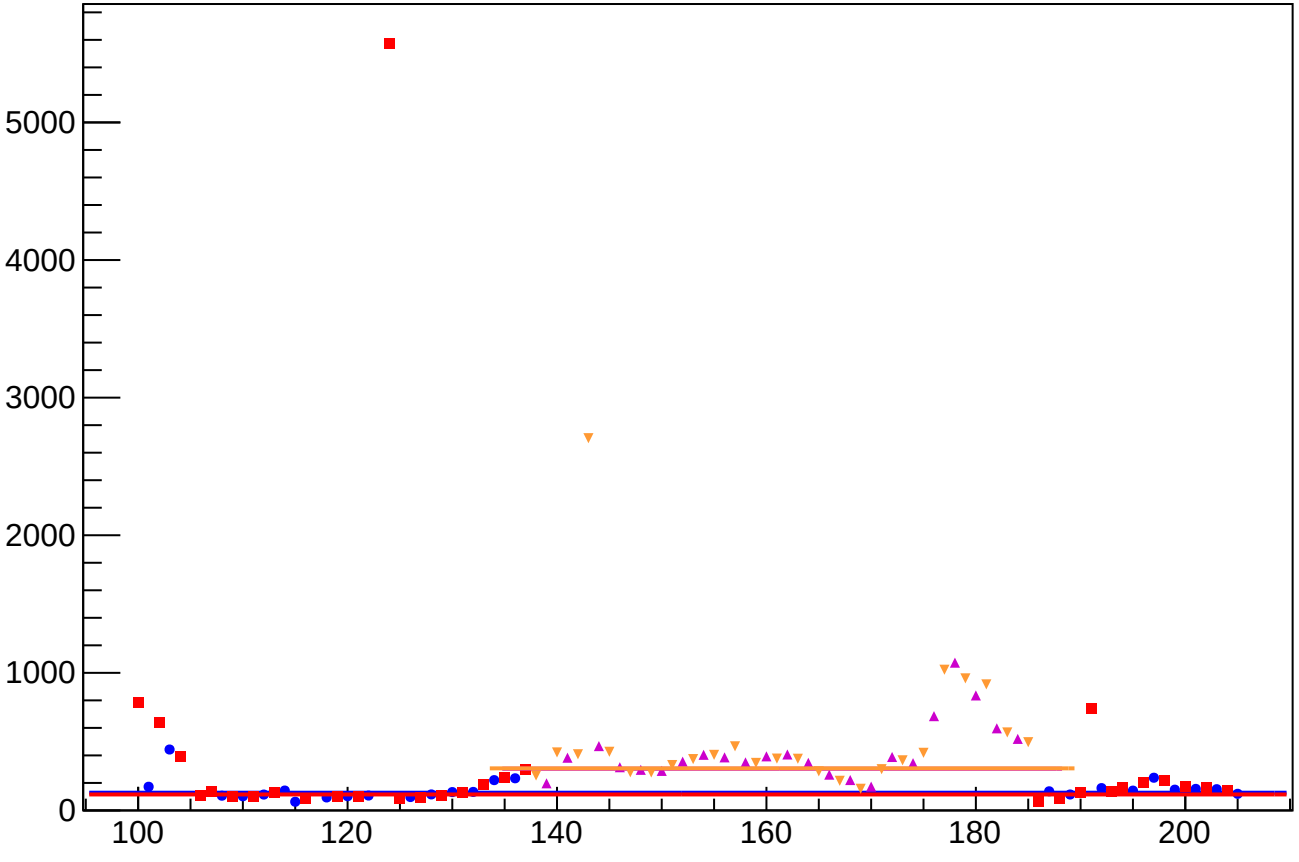
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.027+/-0.023 χ^2/NDF: 111.6/102

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

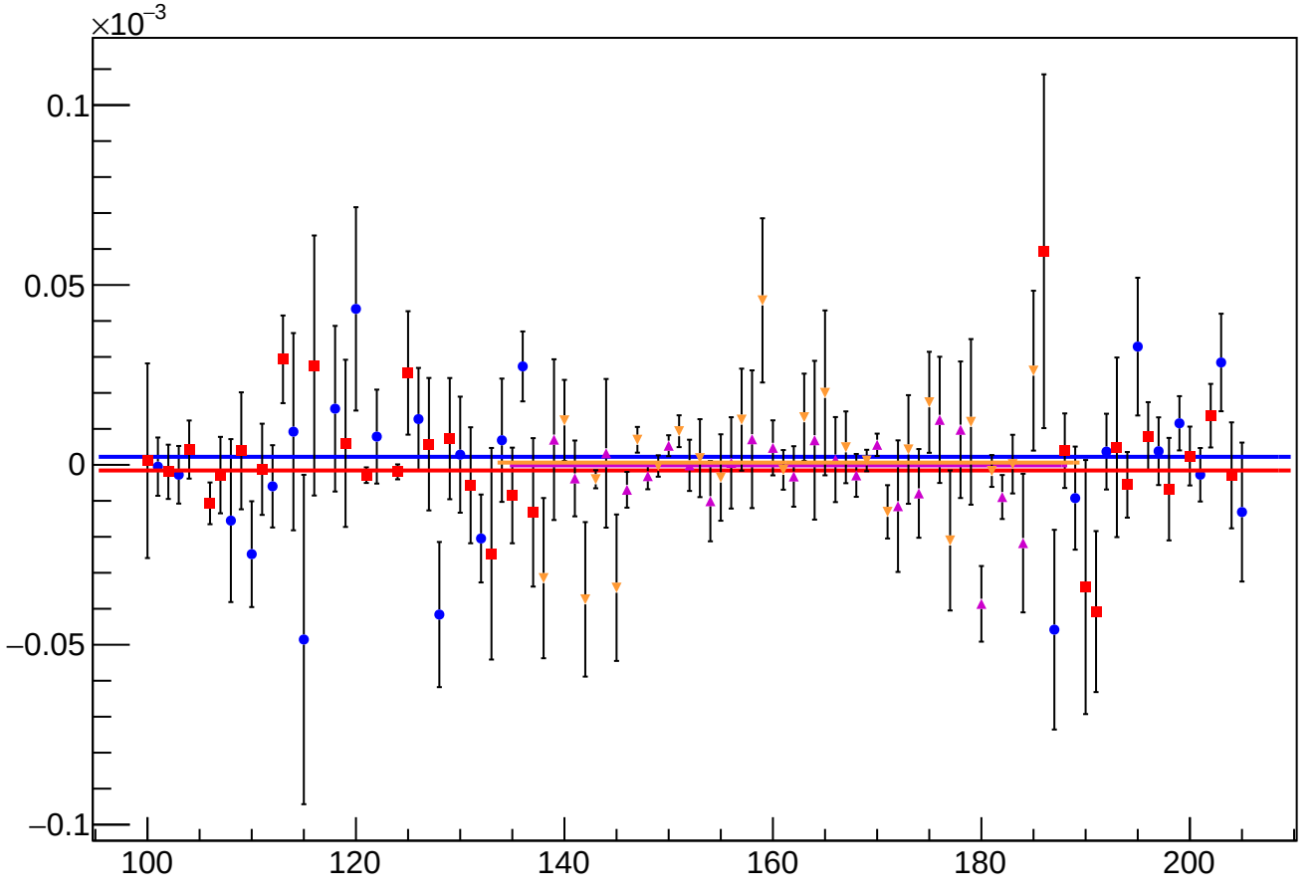
Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 161.645+/-0.024 χ^2/NDF: 17440681.6/49

All: 153.329+/-0.016 χ^2/NDF: 36675387.5/10

- sign 146.225+/-0.022 χ^2/NDF: 19005760.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

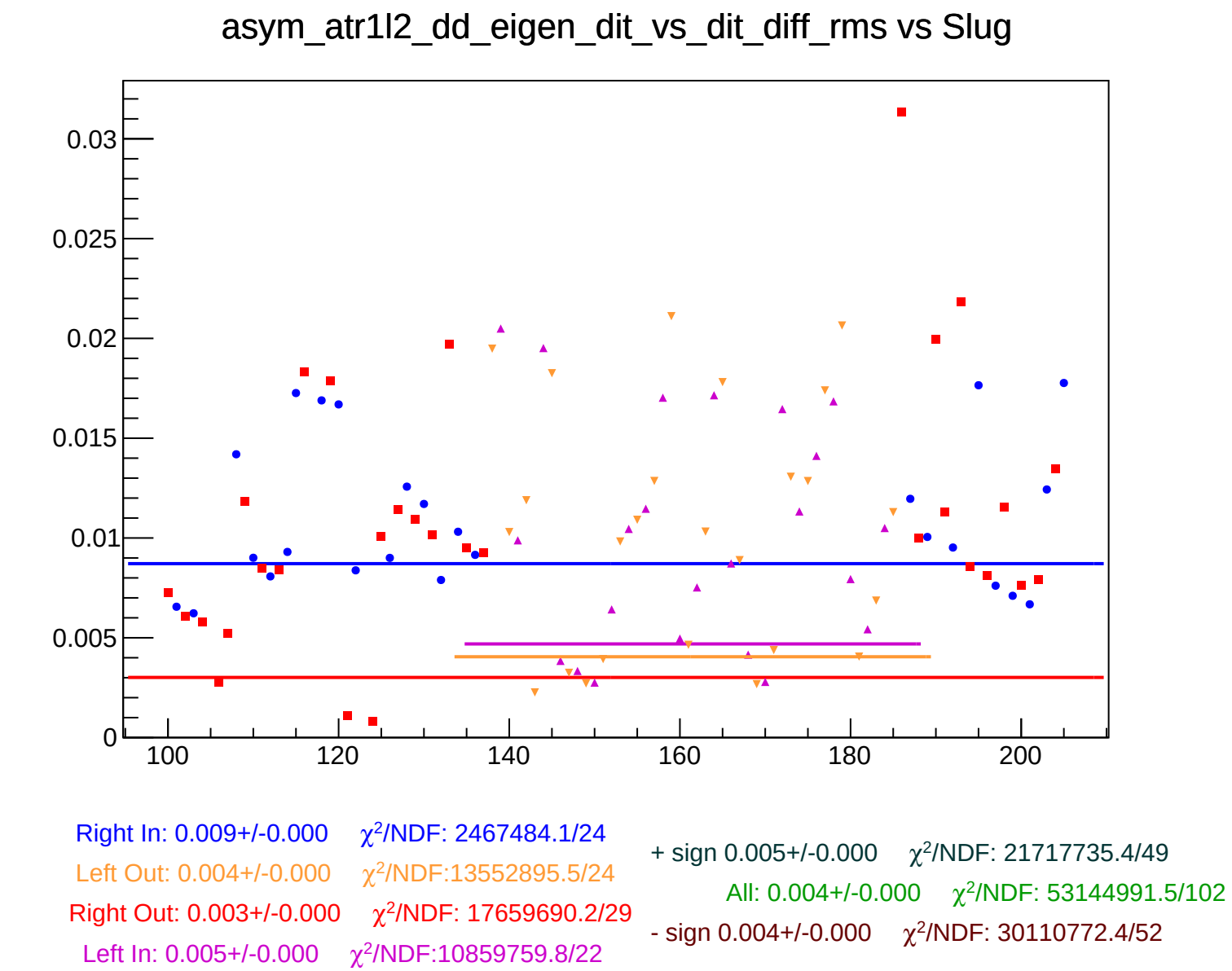
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/29

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

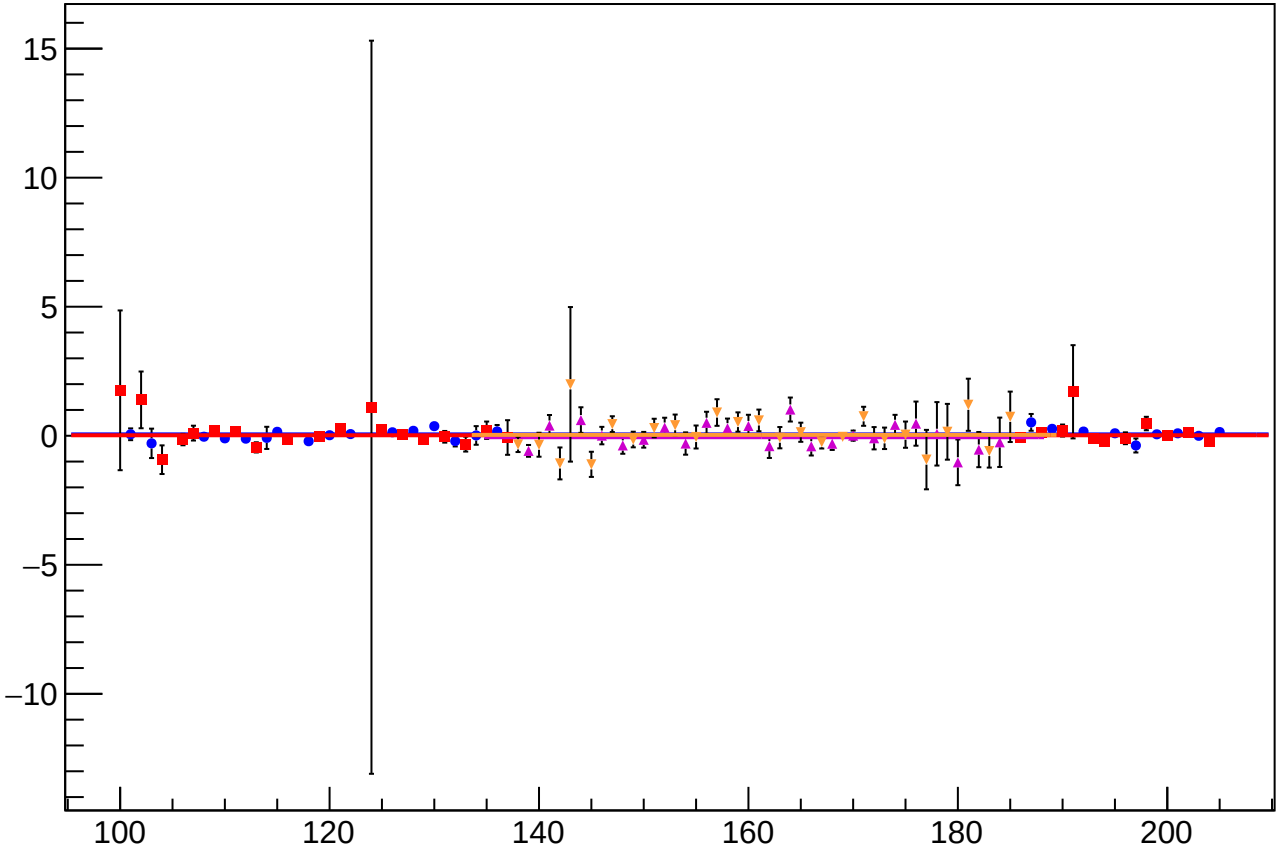
+ sign 0.000+/-0.000 χ^2/NDF: 72.0/49

All: -0.000+/-0.000 χ^2/NDF: 129.3/102

- sign -0.000+/-0.000 χ^2/NDF: 55.7/52


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 2467484.1/24
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 17659690.2/29
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 21717735.4/49
All: 0.004+/-0.000 χ²/NDF: 53144991.5/102
- sign 0.004+/-0.000 χ²/NDF: 30110772.4/52

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

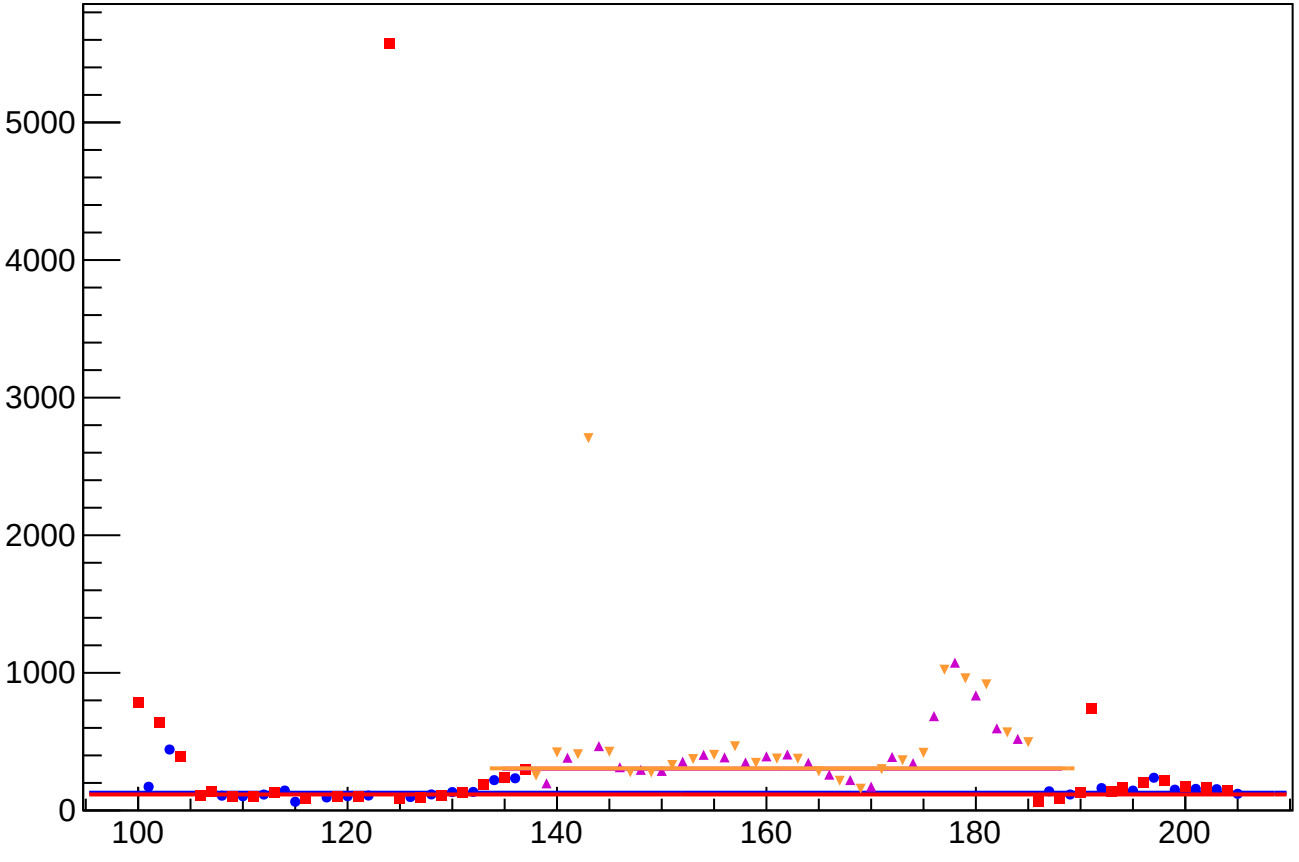
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.027+/-0.023 χ^2/NDF: 111.6/102

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

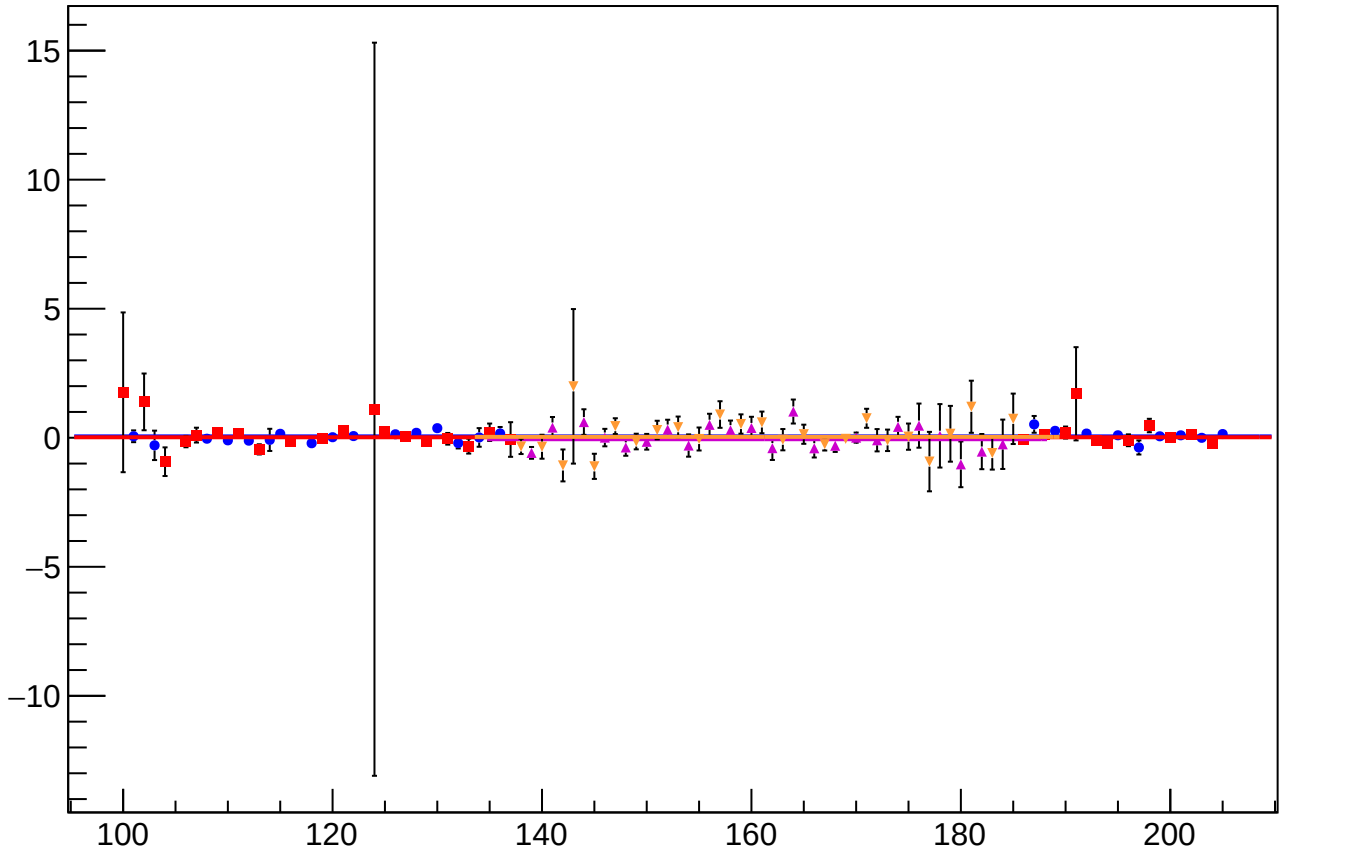
Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 161.646+/-0.024 χ^2/NDF: 17440754.1/49

All: 153.329+/-0.016 χ^2/NDF: 36675271.5/10

- sign 146.226+/-0.022 χ^2/NDF: 19005589.2/52



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

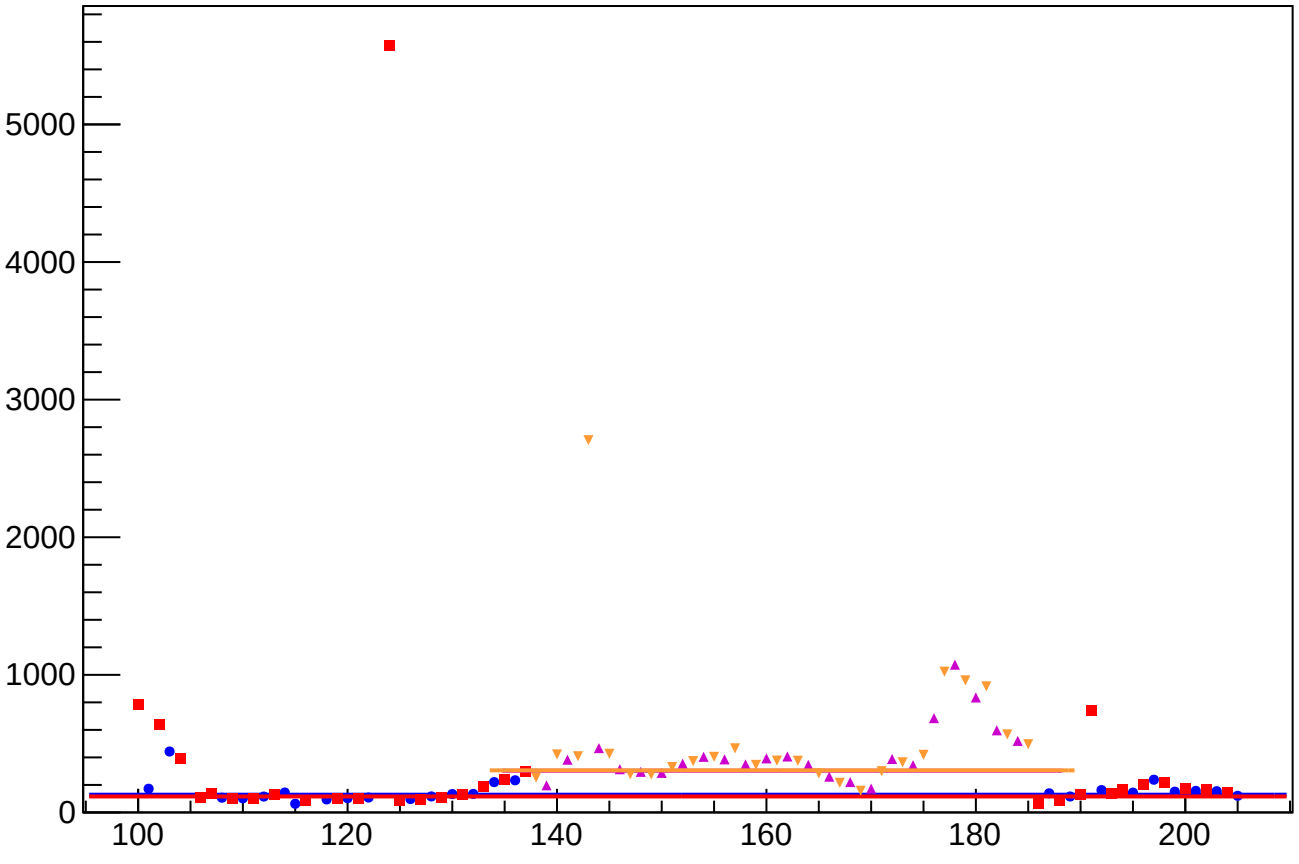
Right Out: 0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.027+/-0.023 χ^2/NDF: 111.6/102

- sign 0.007+/-0.031 χ^2/NDF: 60.5/52



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

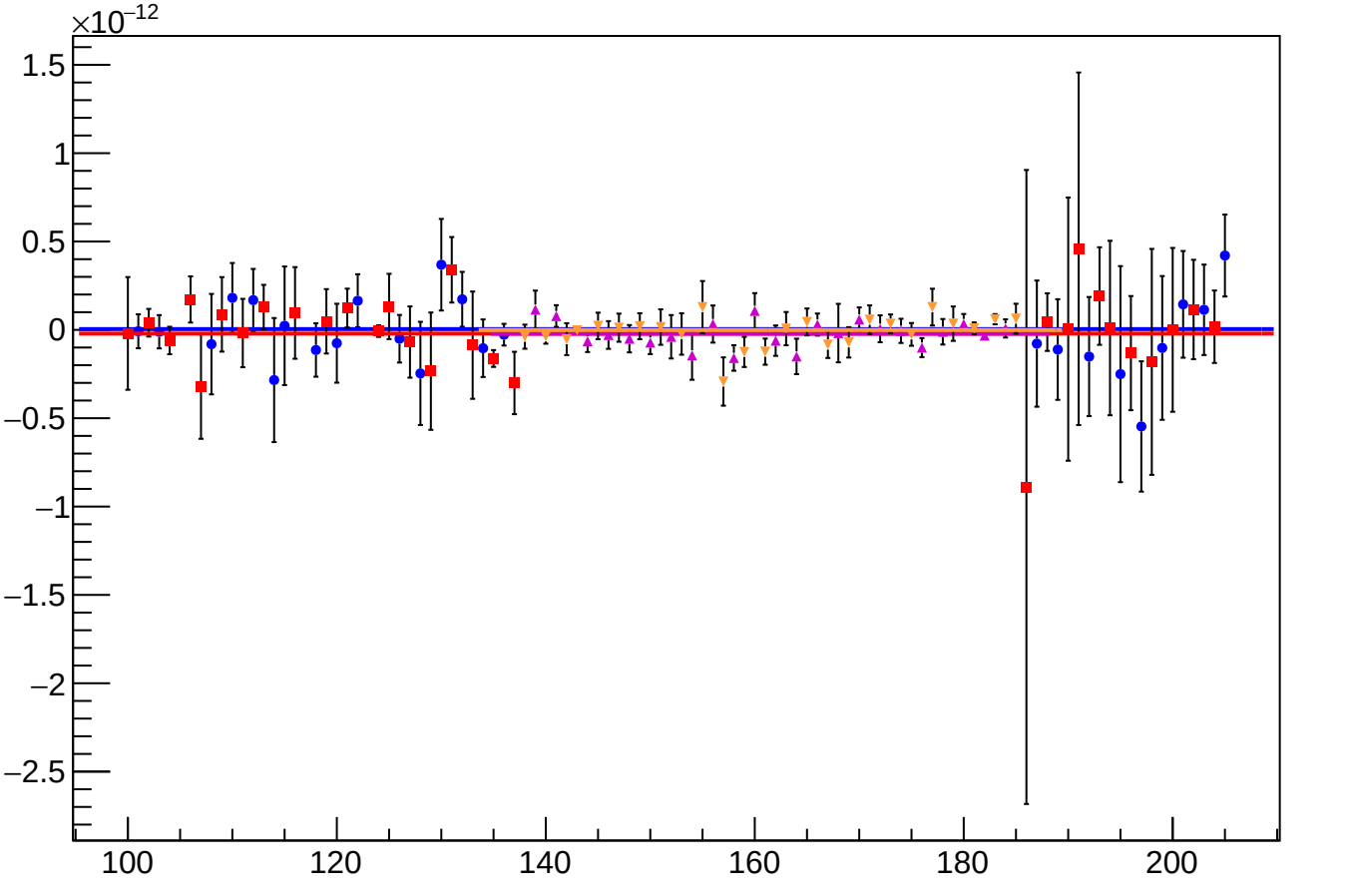
Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 161.646+/-0.024 χ^2/NDF: 17440754.1/49

All: 153.329+/-0.016 χ^2/NDF: 36675271.5/10

- sign 146.226+/-0.022 χ^2/NDF: 19005589.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

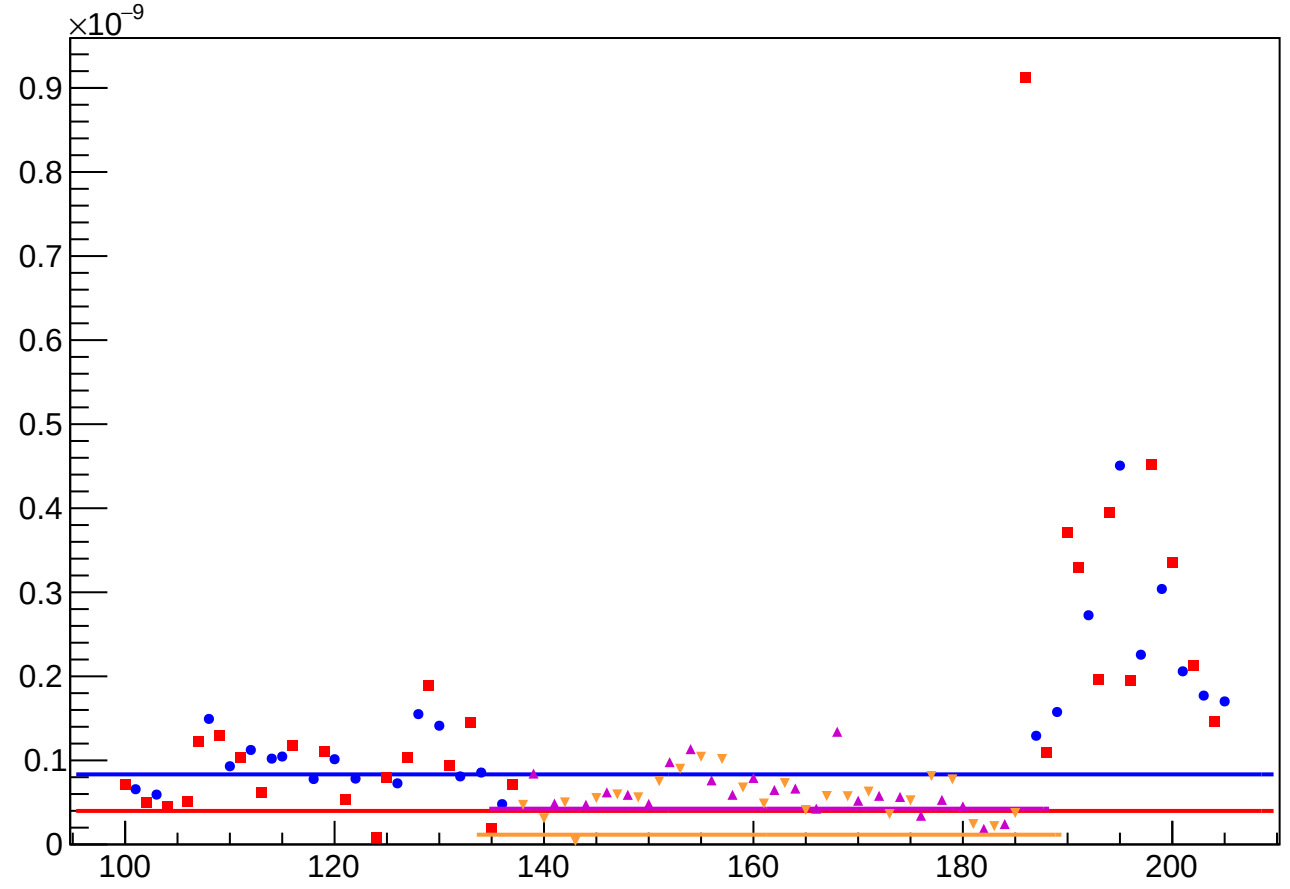
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/49

All: -0.000+/-0.000 χ^2/NDF: 85.9/102

- sign -0.000+/-0.000 χ^2/NDF: 45.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 4581375.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11169206.1/29

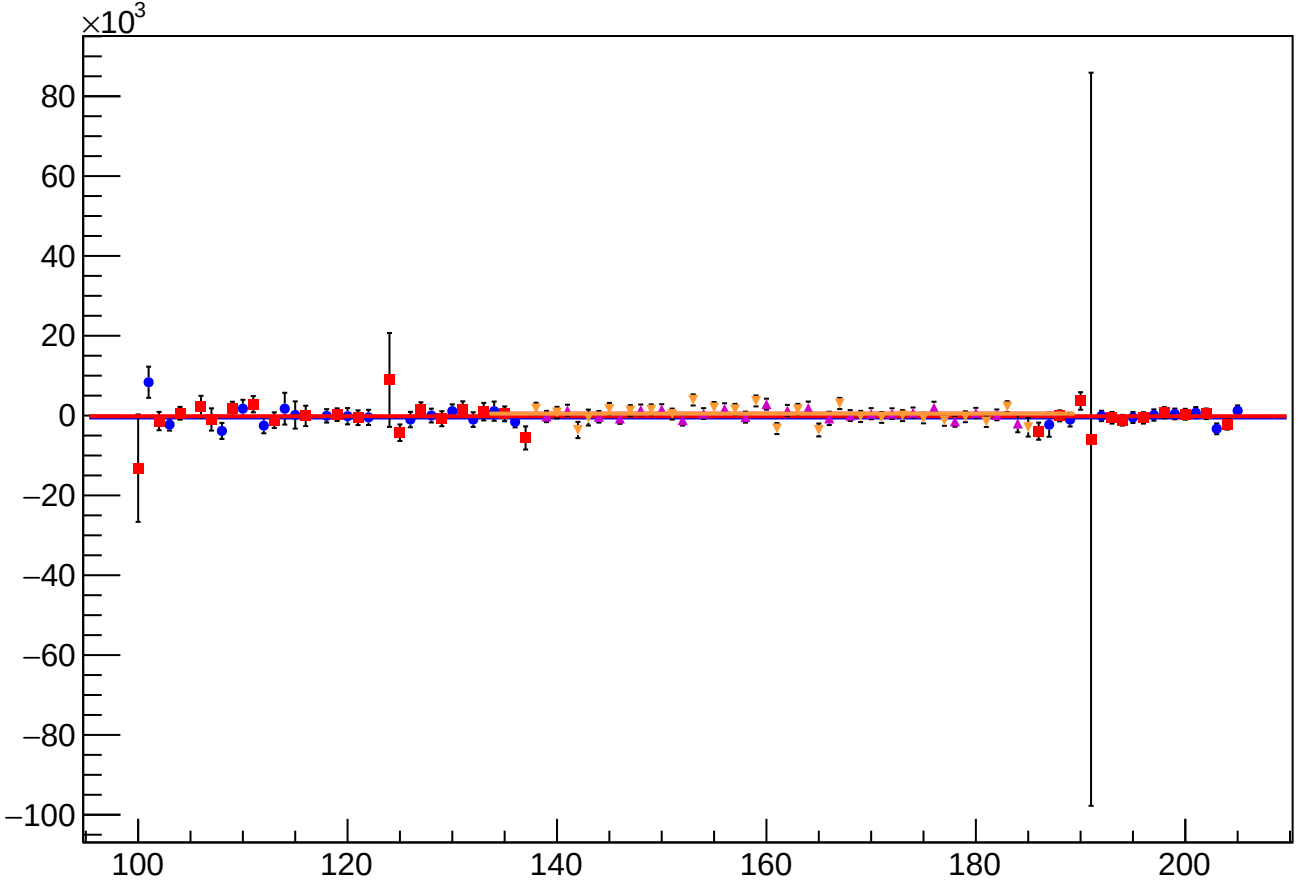
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 31747182.4/49

All: 0.000+/-0.000 χ^2/NDF: 58143960.7/102

- sign 0.000+/-0.000 χ^2/NDF: 16612183.1/52

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -157.833+/-336.785 χ^2/NDF: 25.7/29

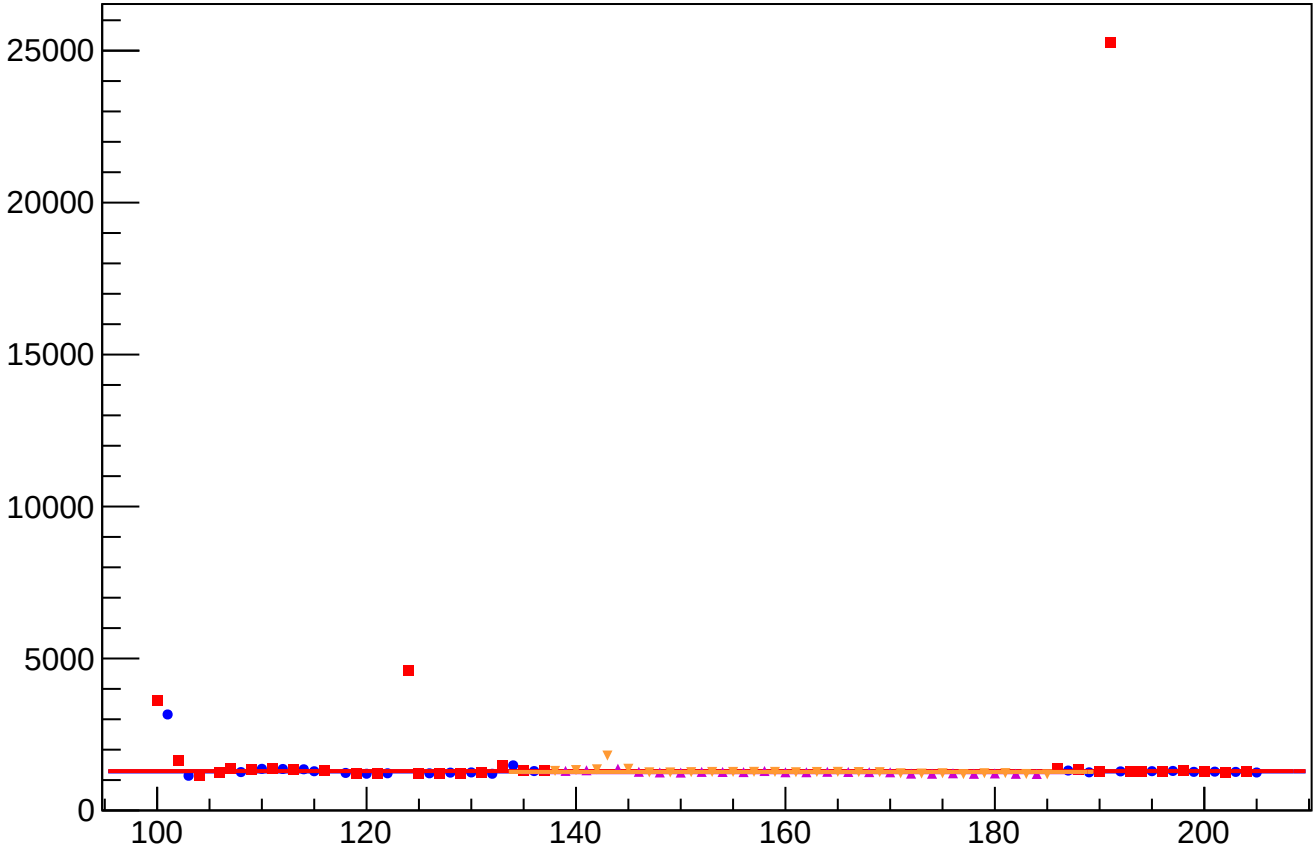
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 93.145+/-221.317 χ^2/NDF: 73.4/49

All: 150.690+/-156.518 χ^2/NDF: 115.8/102

- sign 208.269+/-221.382 χ^2/NDF: 42.2/52

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

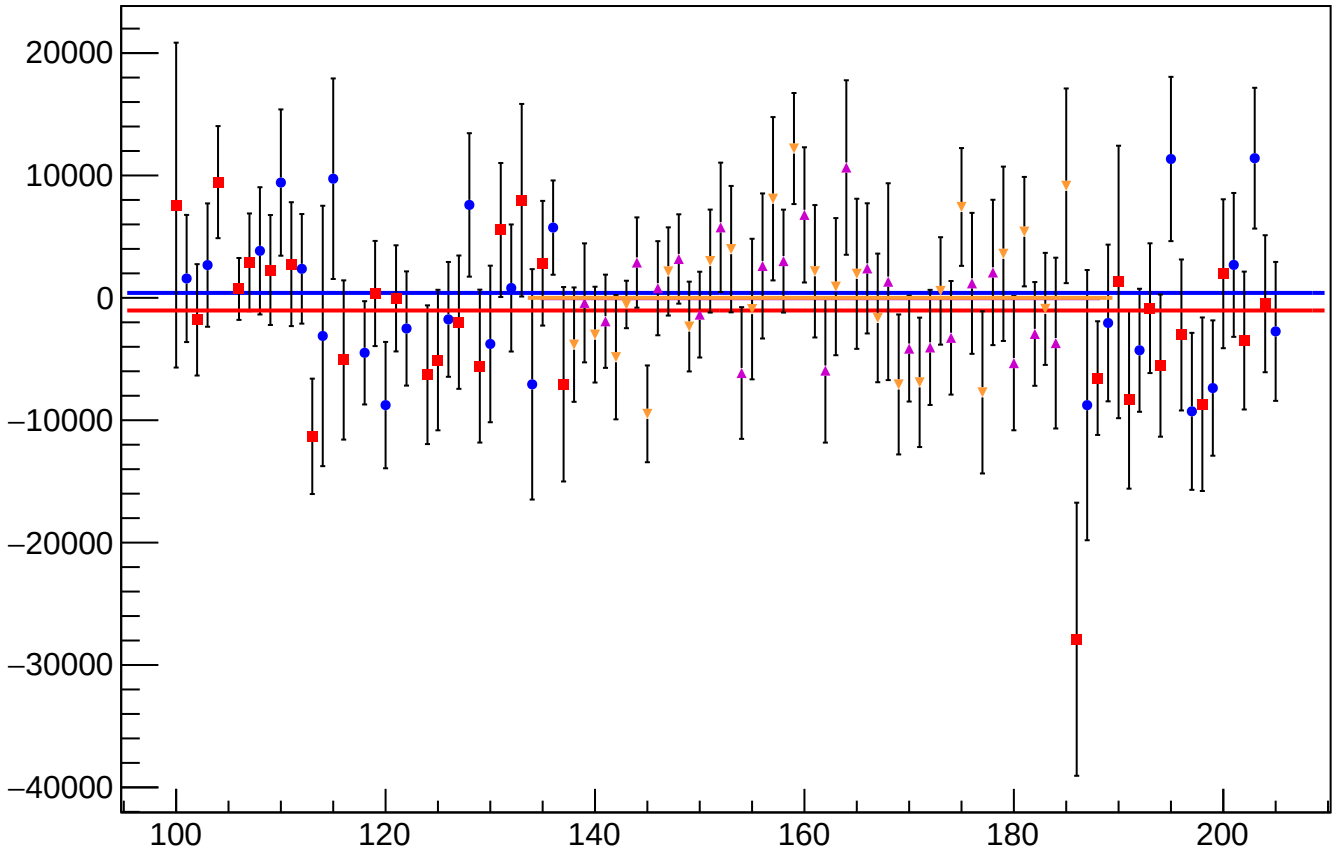
Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707950.6/49

All: 1273.750+/-0.111 χ^2/NDF: 1227345.3/10

- sign 1273.981+/-0.156 χ^2/NDF: 519390.2/52



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

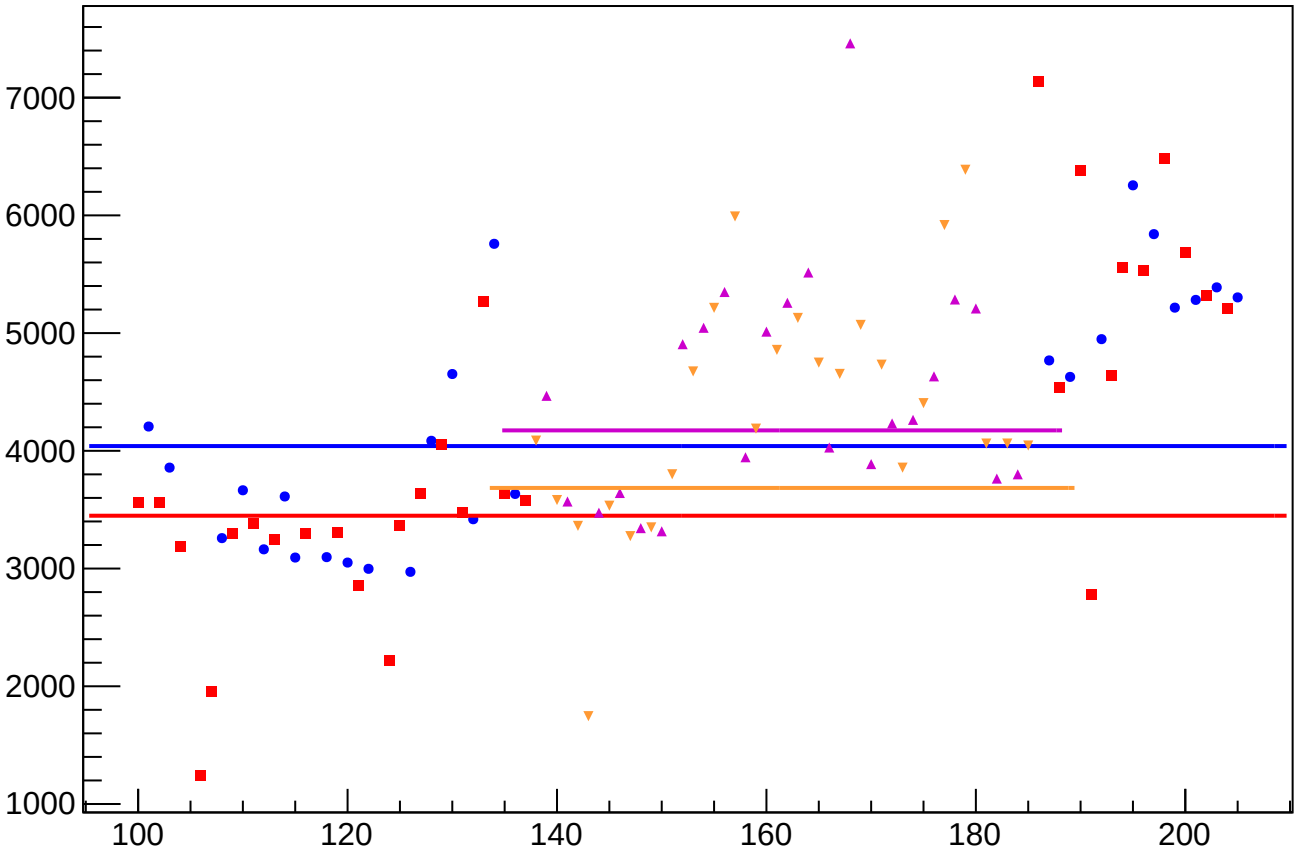
Right Out: -1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 156.650+/-692.804 χ^2/NDF: 56.0/49

All: -199.414+/-488.773 χ^2/NDF: 101.1/102

- sign -552.258+/-689.664 χ^2/NDF: 44.5/52



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

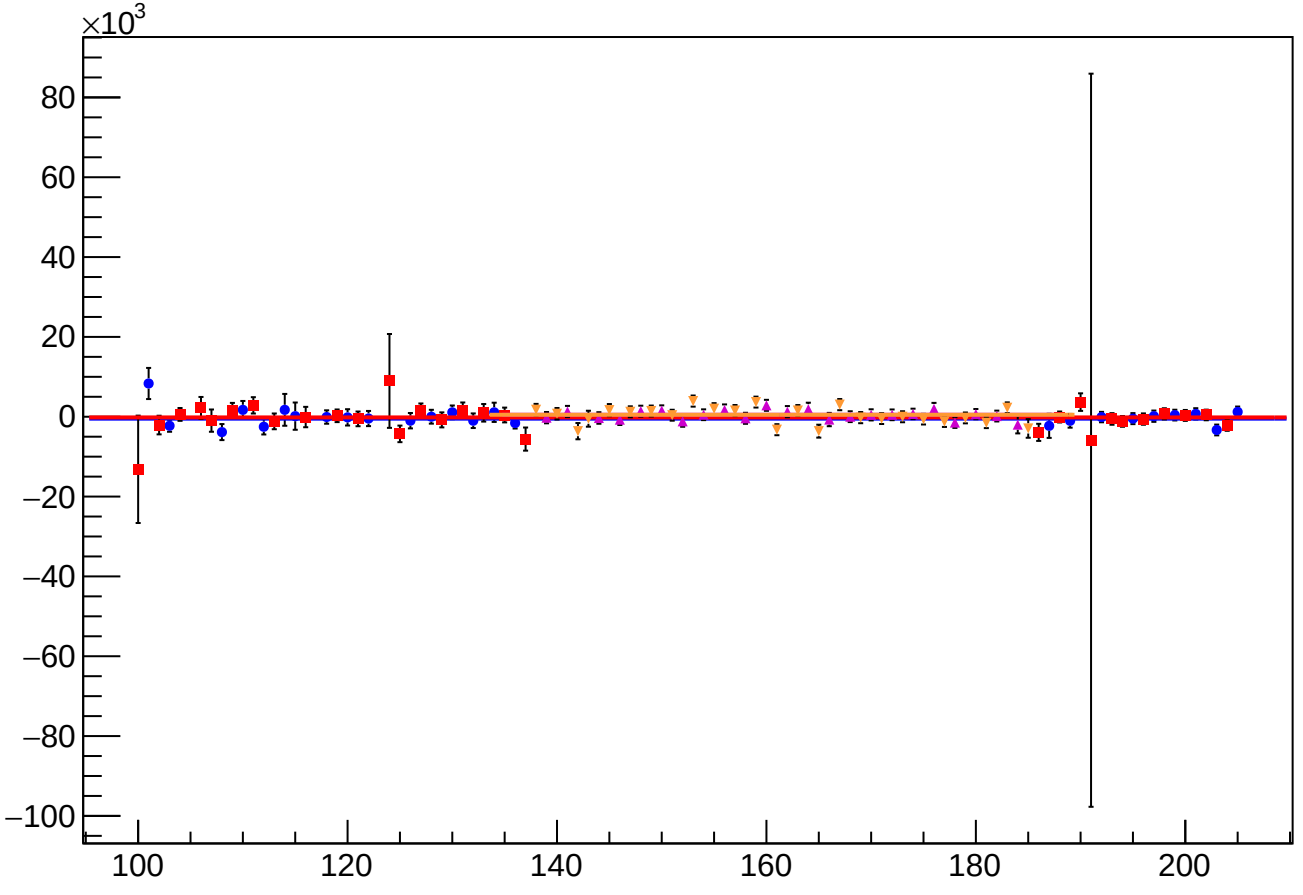
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3823.201+/-0.490 χ^2/NDF: 5351067.3/49

All: 3809.896+/-0.346 χ^2/NDF: 11394910.5/1

\- sign 3796.710+/-0.488 χ^2/NDF: 6042374.4/52

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

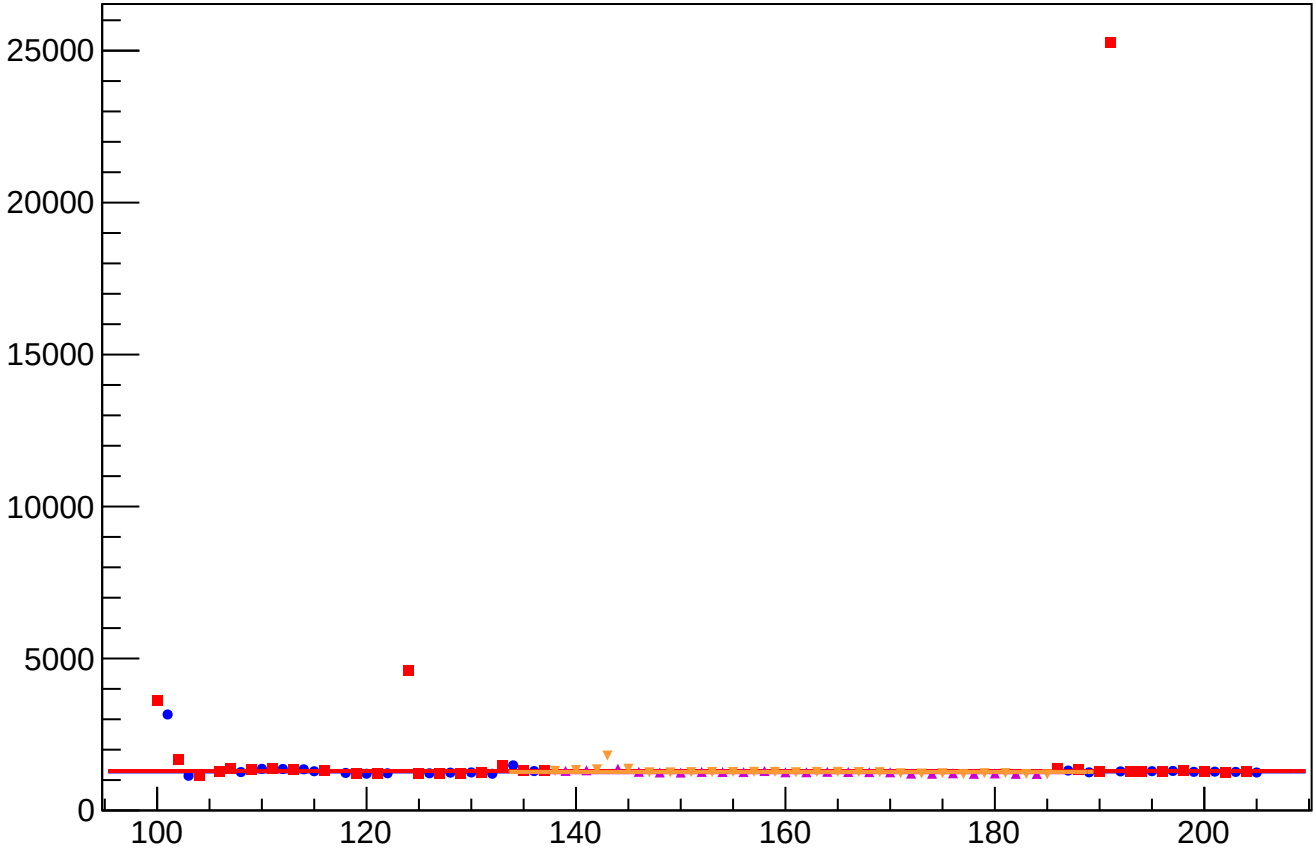
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 147.668+/-156.528 χ^2/NDF: 116.3/102

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

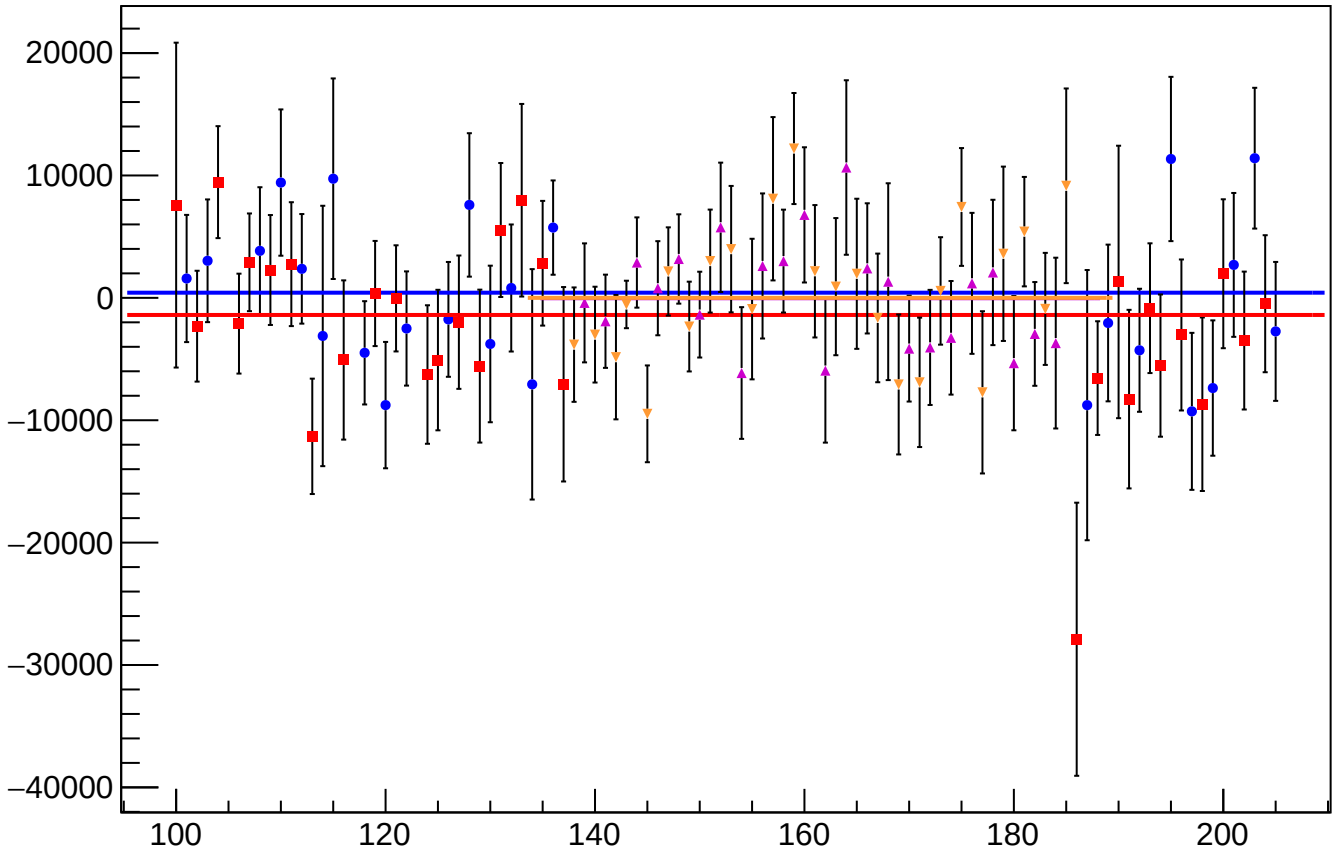
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

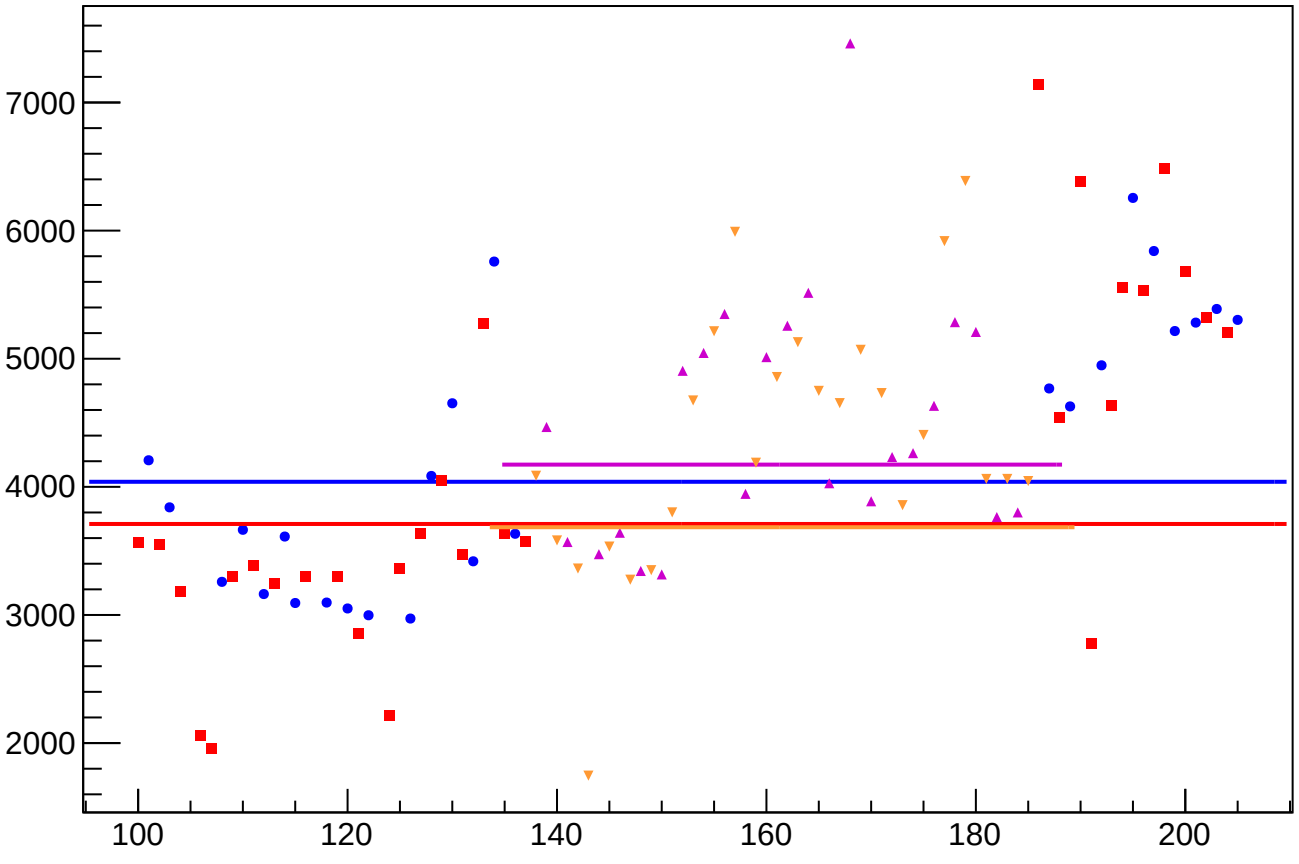
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -265.231+/-494.433 χ^2/NDF: 101.3/102

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

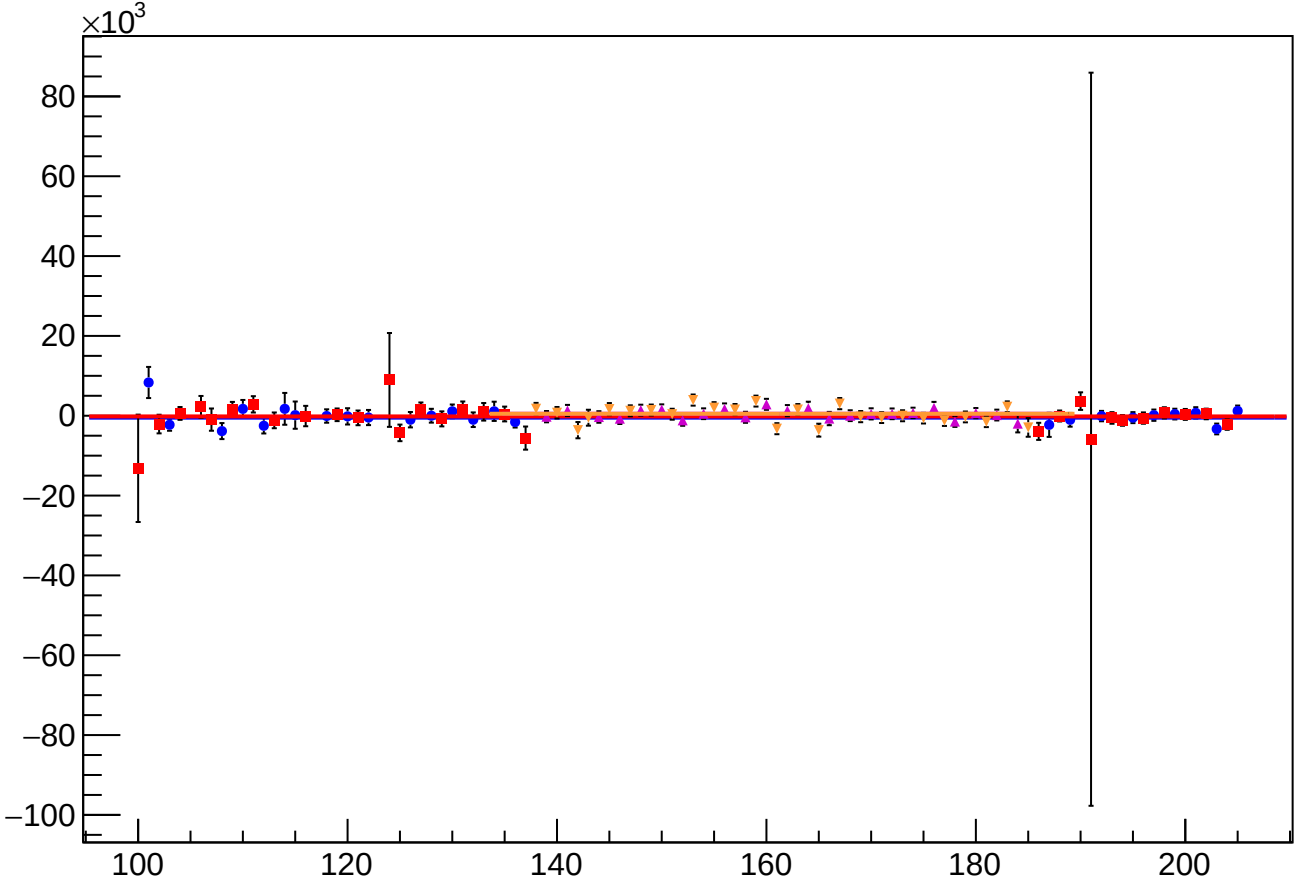
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10

\- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

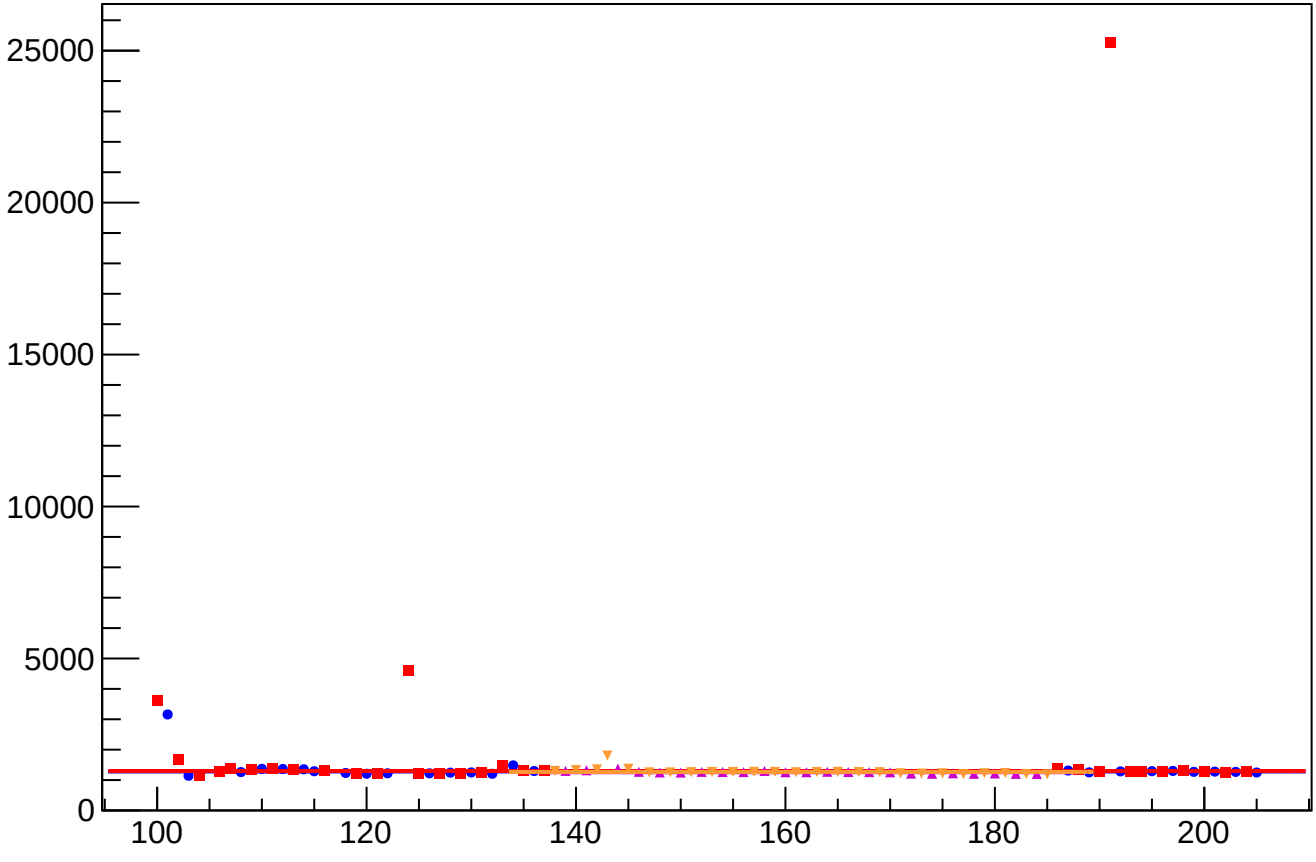
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 147.668+/-156.528 χ^2/NDF: 116.3/102

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

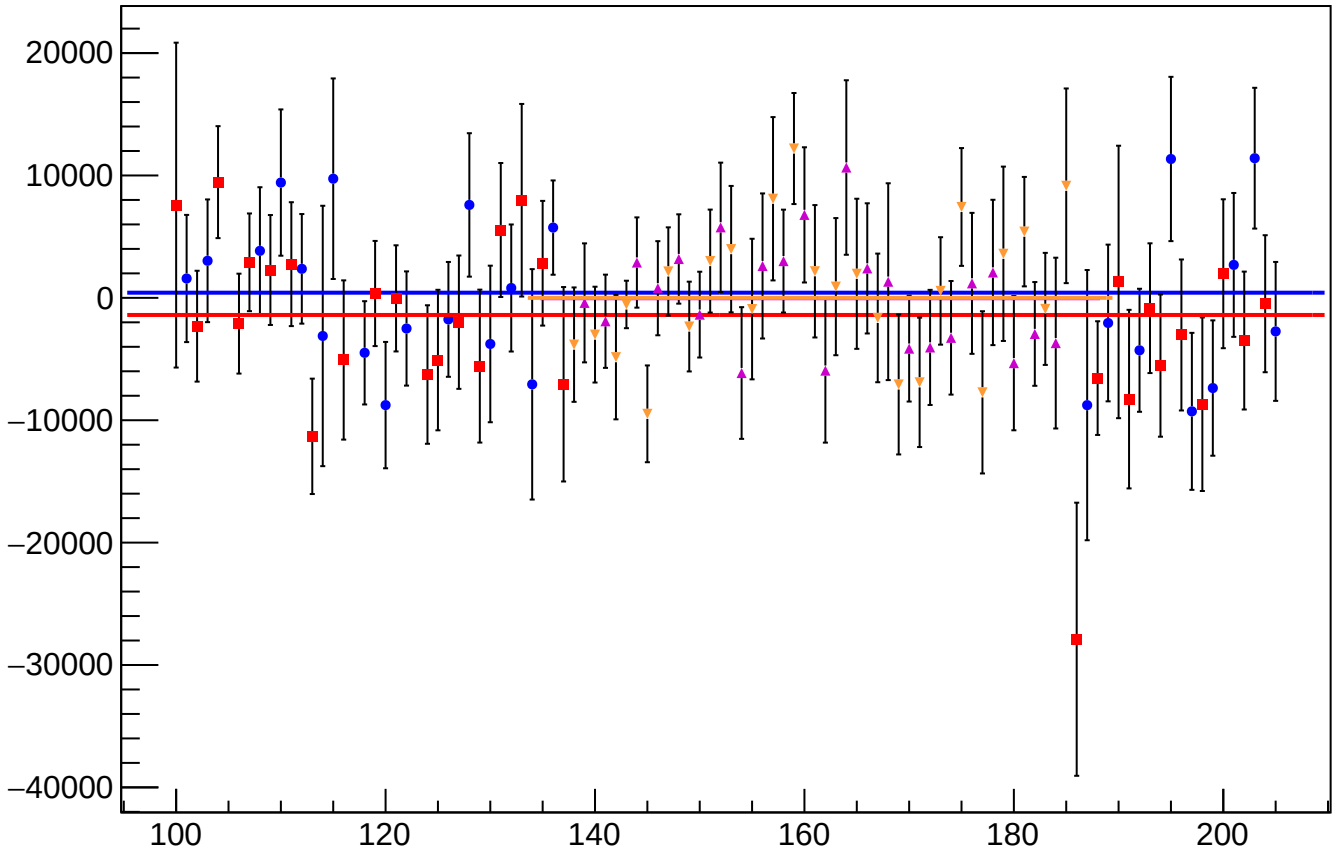
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

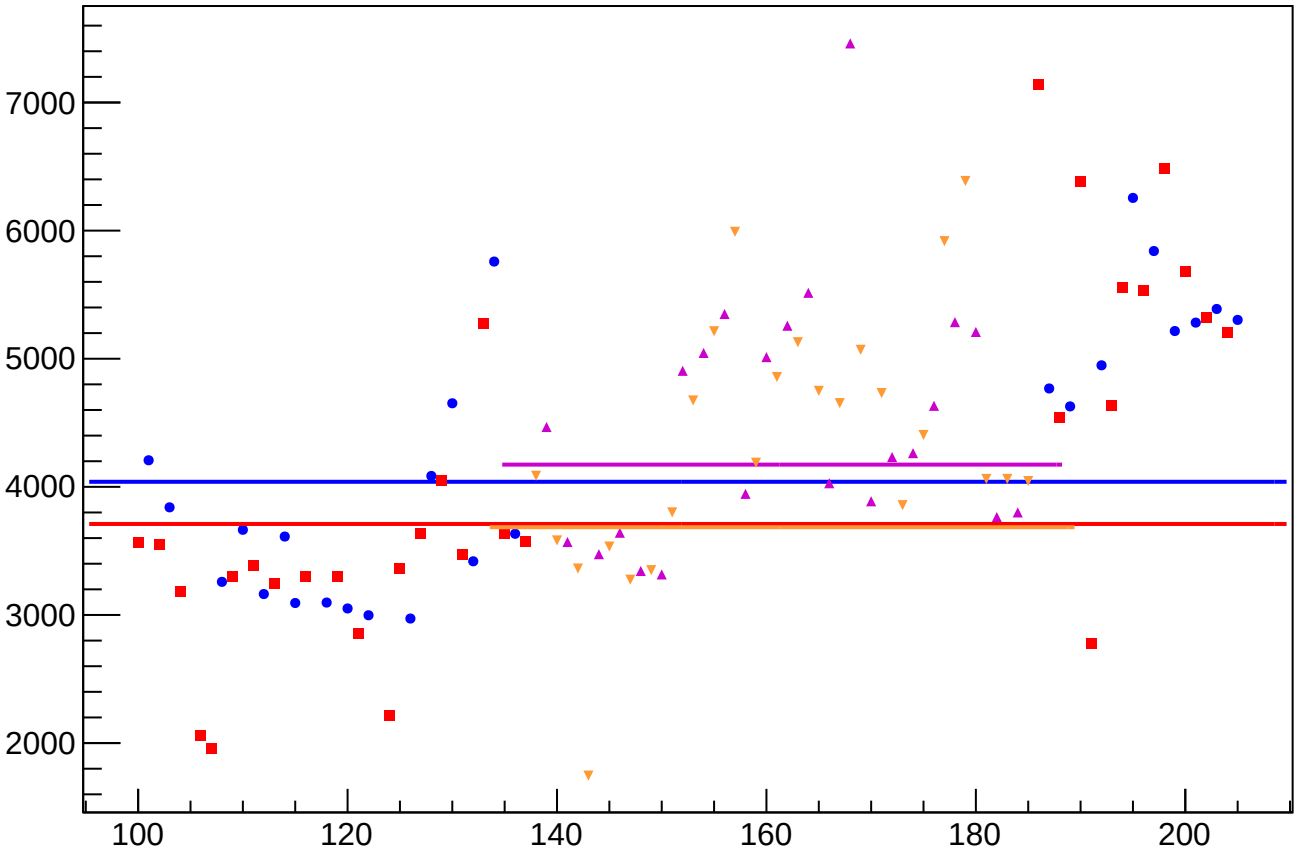
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -265.231+/-494.433 χ^2/NDF: 101.3/102

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

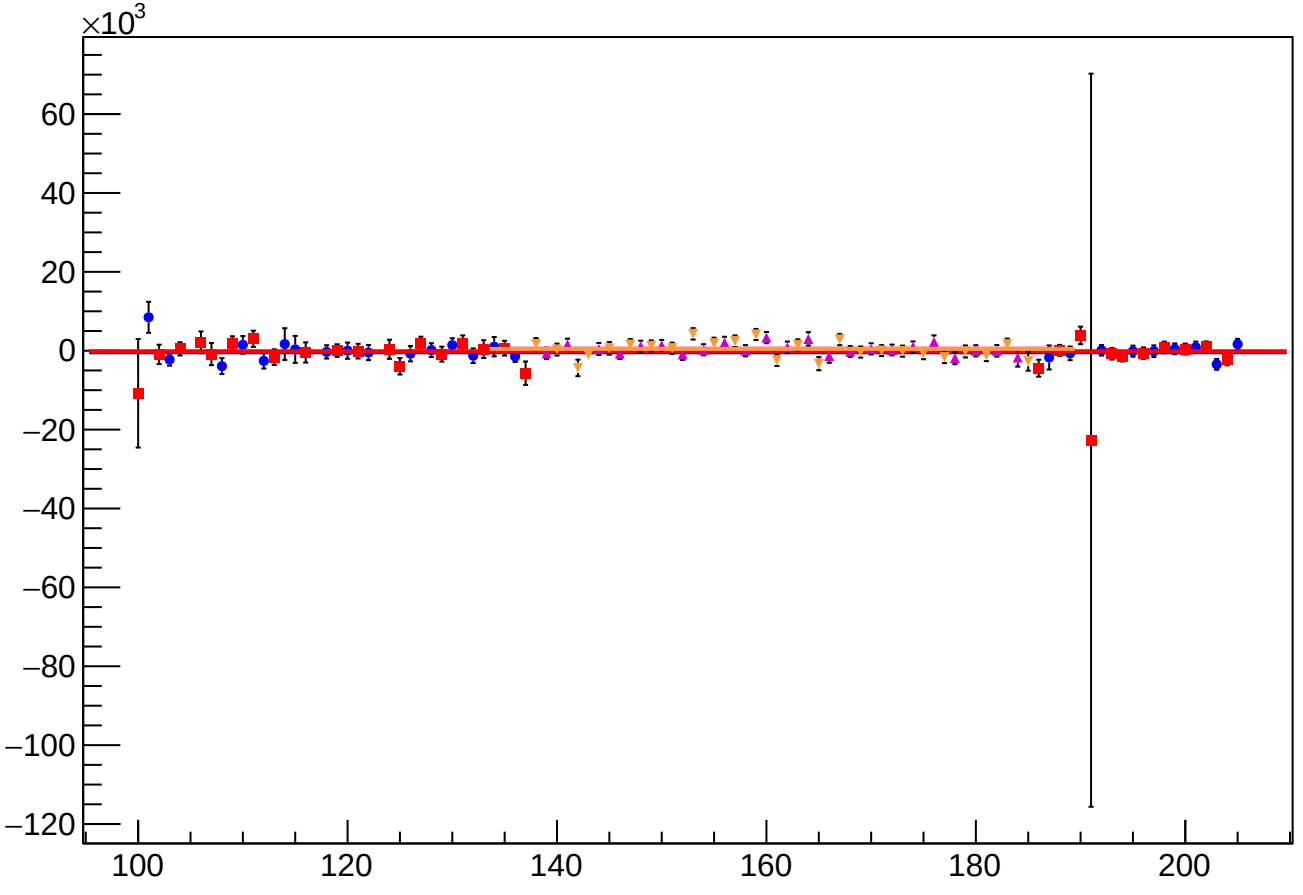
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.590+/-339.394 χ^2/NDF: 27.3/29

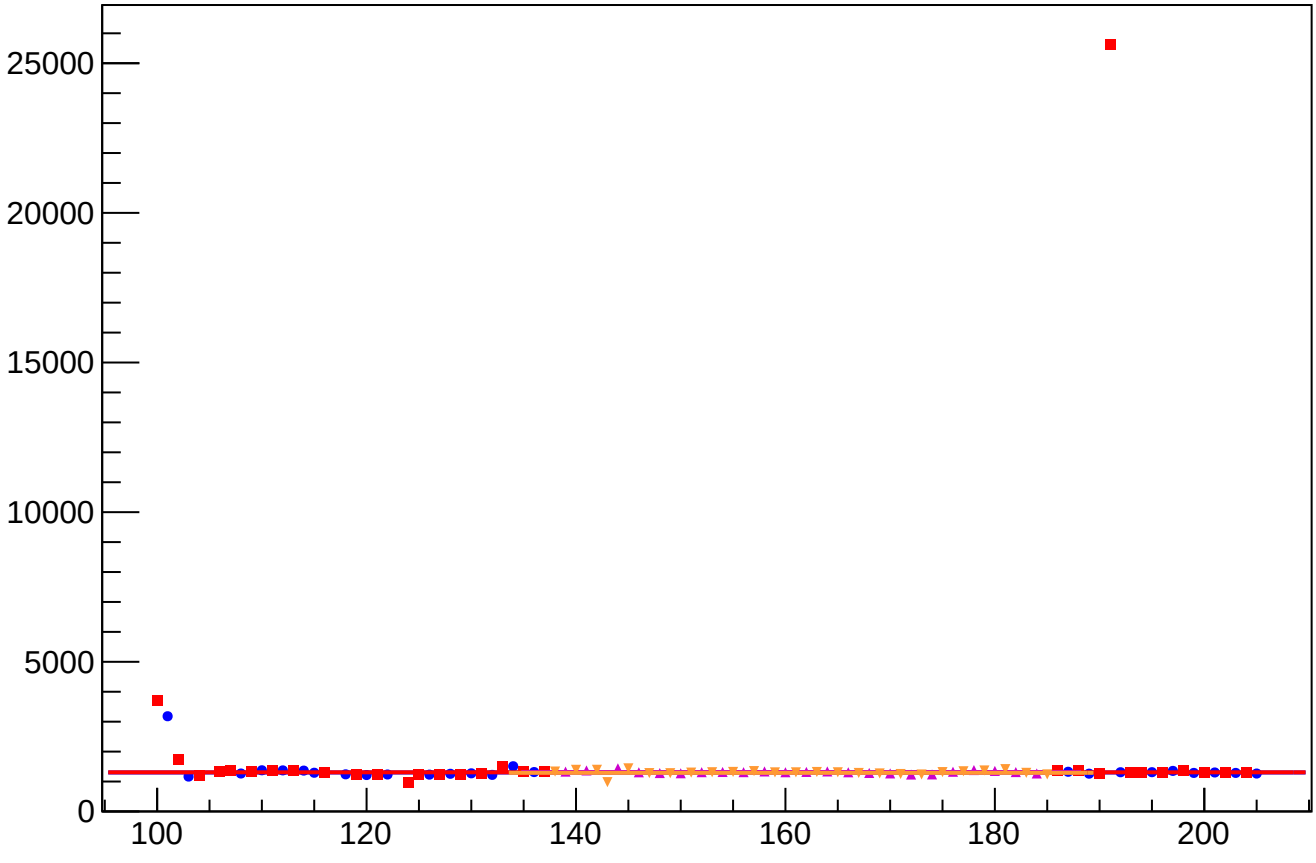
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 111.489+/-225.270 χ^2/NDF: 70.8/49

All: 165.128+/-160.141 χ^2/NDF: 117.5/102

- sign 219.929+/-227.698 χ^2/NDF: 46.6/52

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

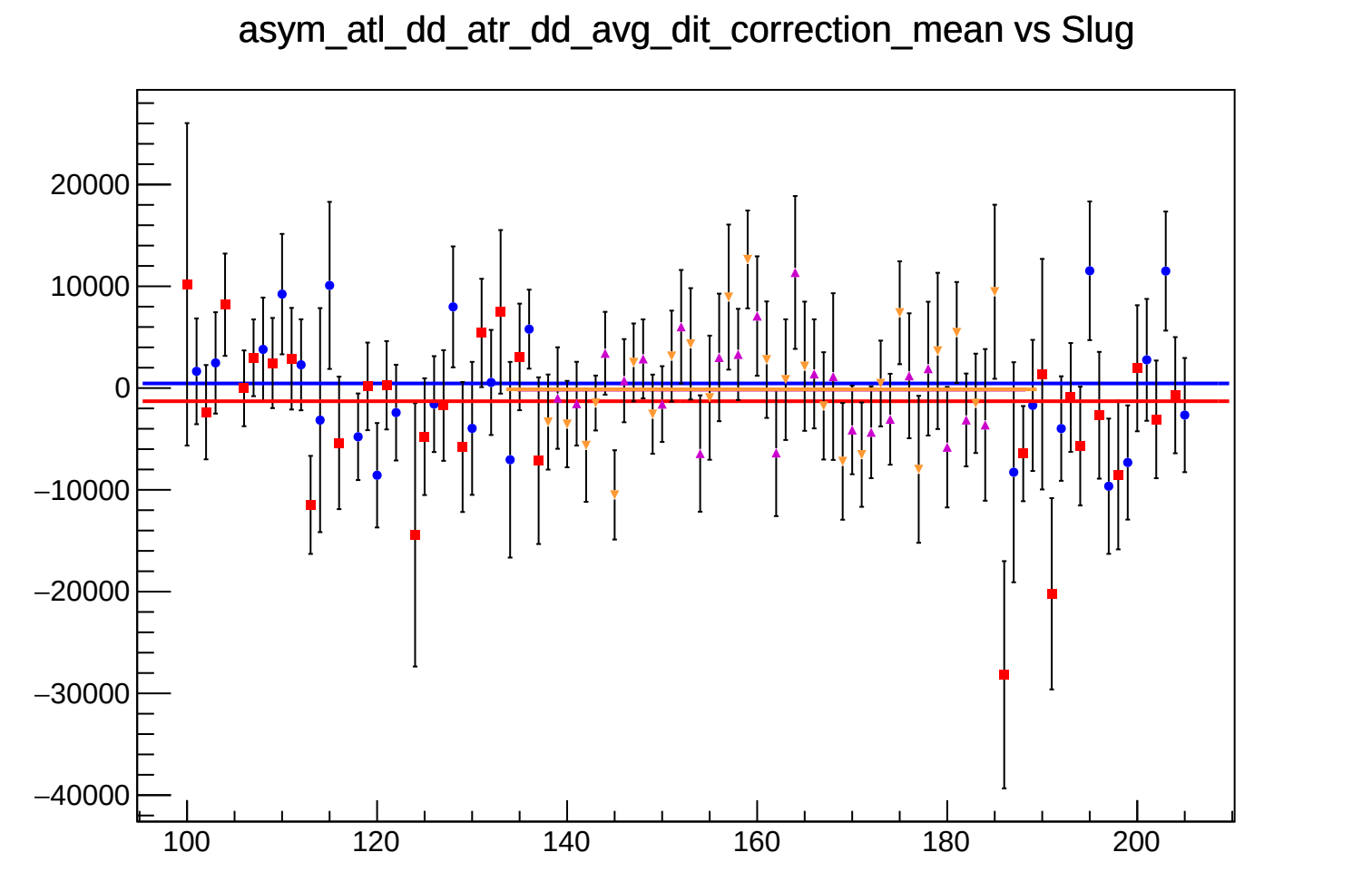
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.610+/-0.159 χ^2/NDF: 748130.2/49

All: 1303.346+/-0.113 χ^2/NDF: 1159839.3/10

- sign 1311.246+/-0.161 χ^2/NDF: 406942.6/52



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1292.677+/-1019.096 χ^2/NDF: 31.1/29

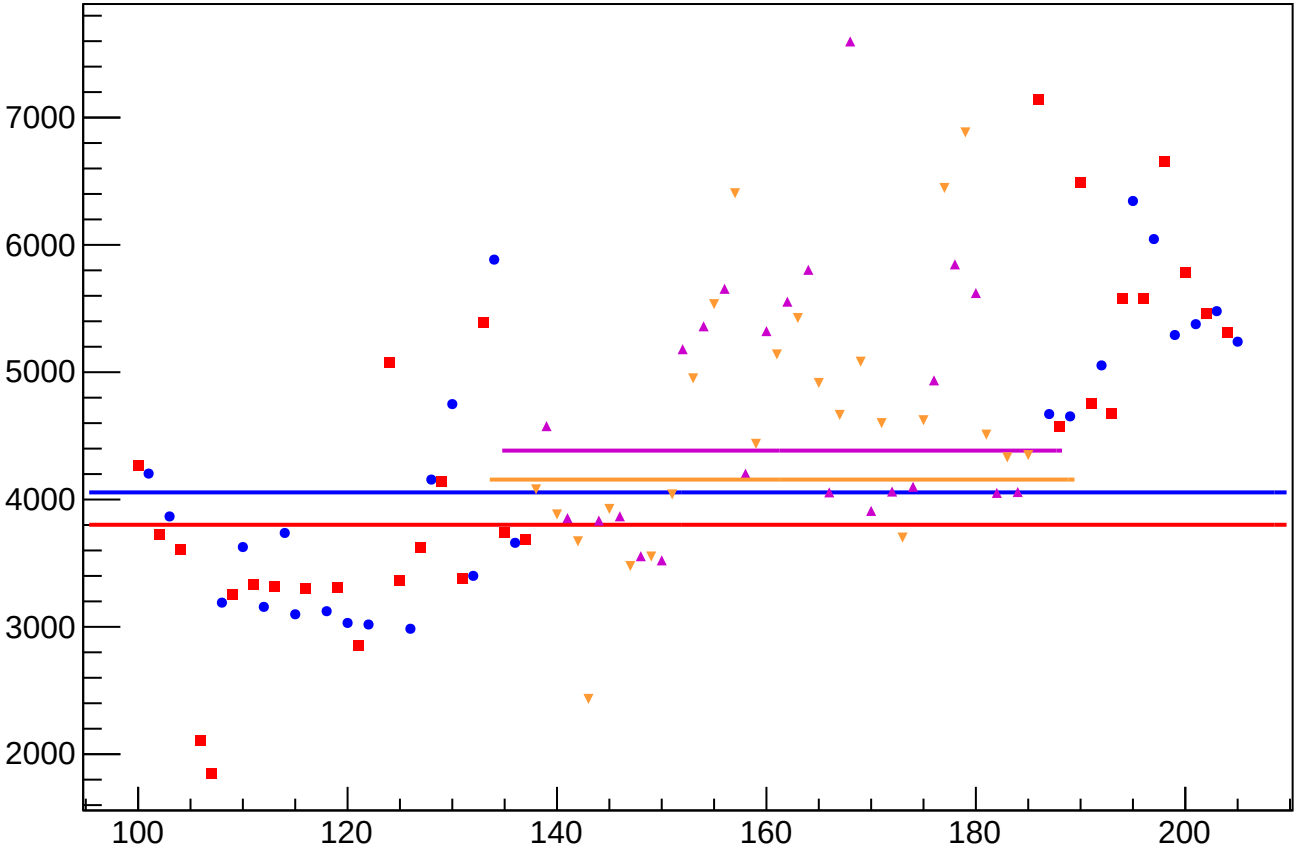
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 125.641+/-735.194 χ^2/NDF: 55.3/49

All: -310.667+/-517.932 χ^2/NDF: 101.5/102

- sign -740.560+/-729.769 χ^2/NDF: 45.4/52

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

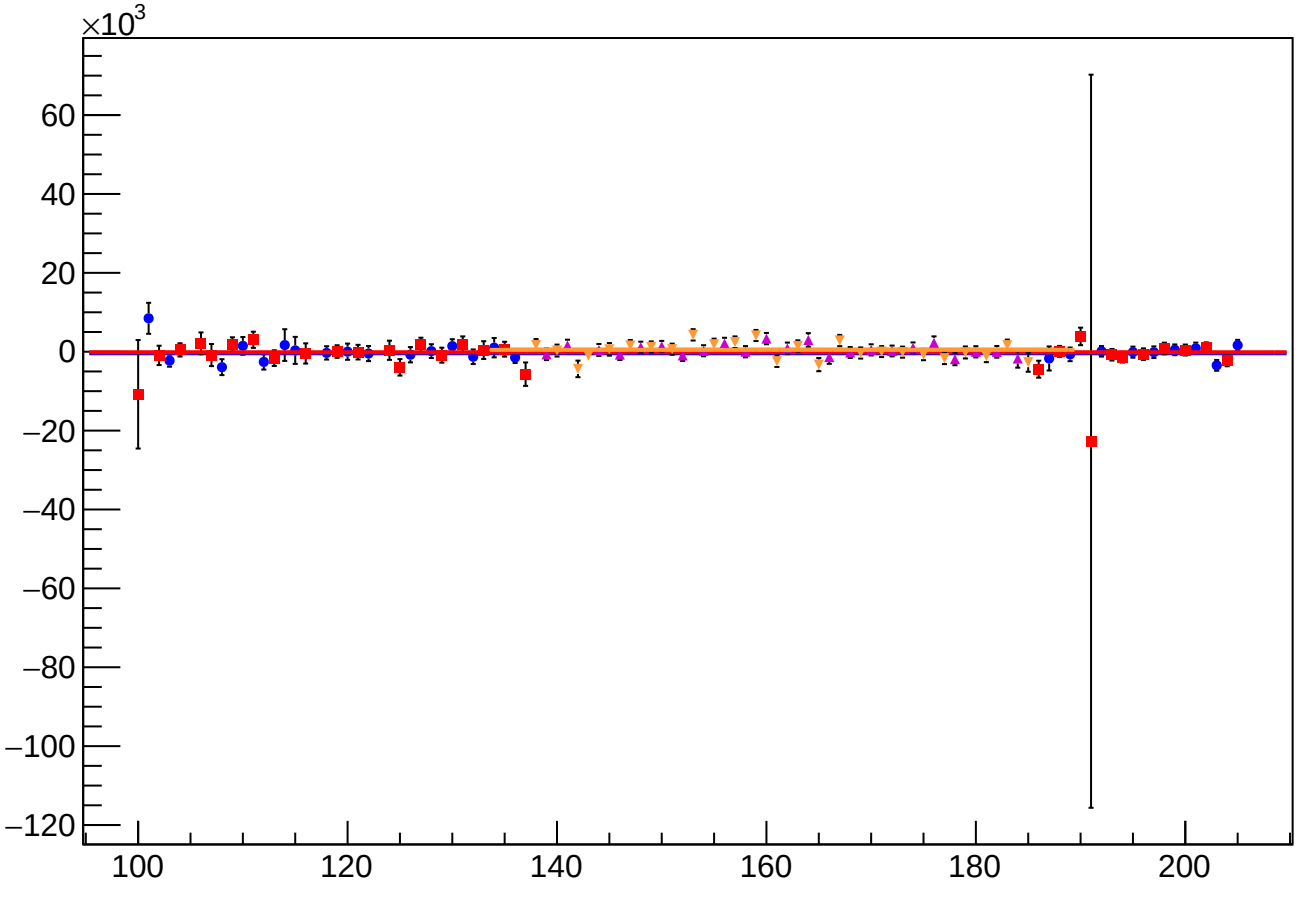
Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703740.2/49

All: 4099.168+/-0.366 χ^2/NDF: 8149348.0/10

- sign 4085.604+/-0.516 χ^2/NDF: 4444215.6/52



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.587+/-339.394 χ^2/NDF: 27.3/29

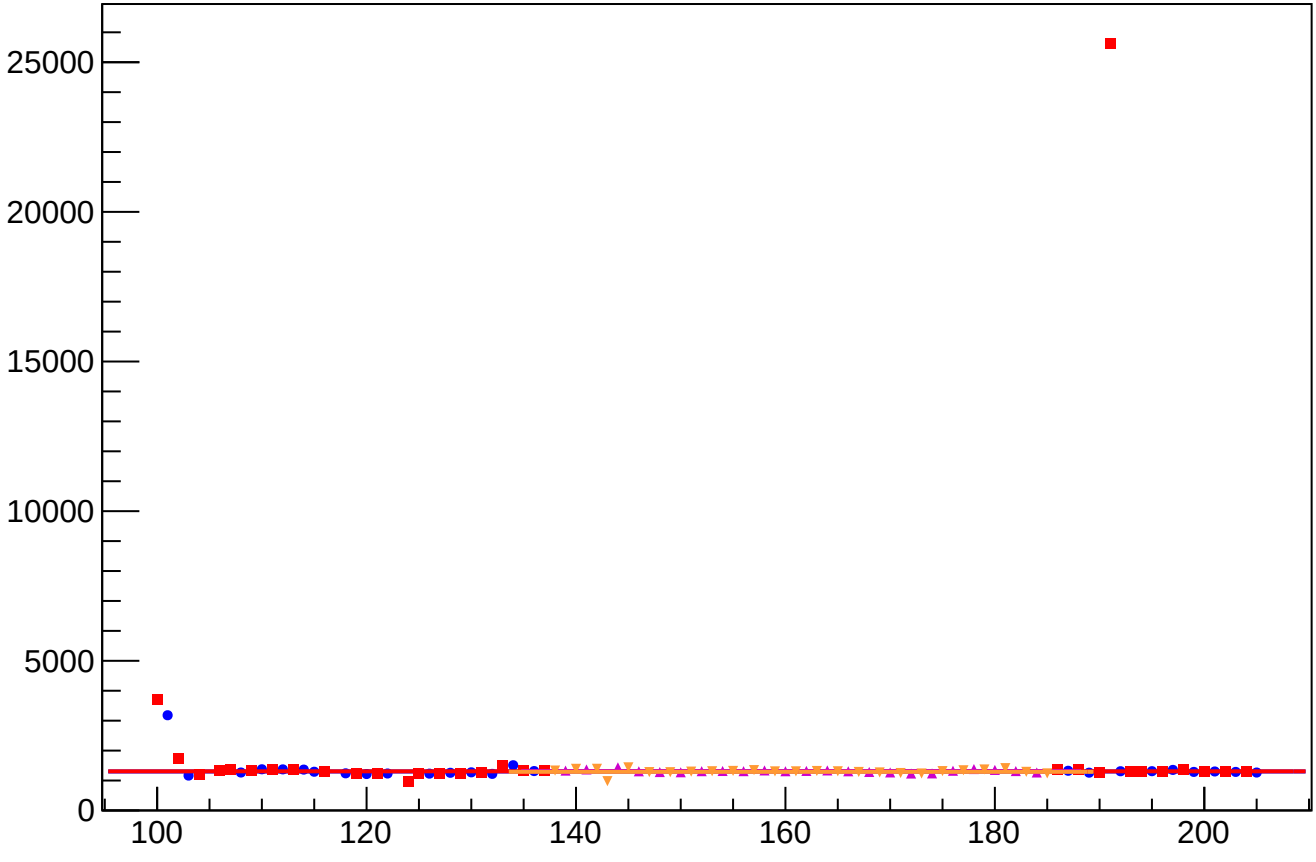
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 111.492+/-225.270 χ^2/NDF: 70.8/49

All: 165.129+/-160.141 χ^2/NDF: 117.5/102

- sign 219.930+/-227.698 χ^2/NDF: 46.6/52

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

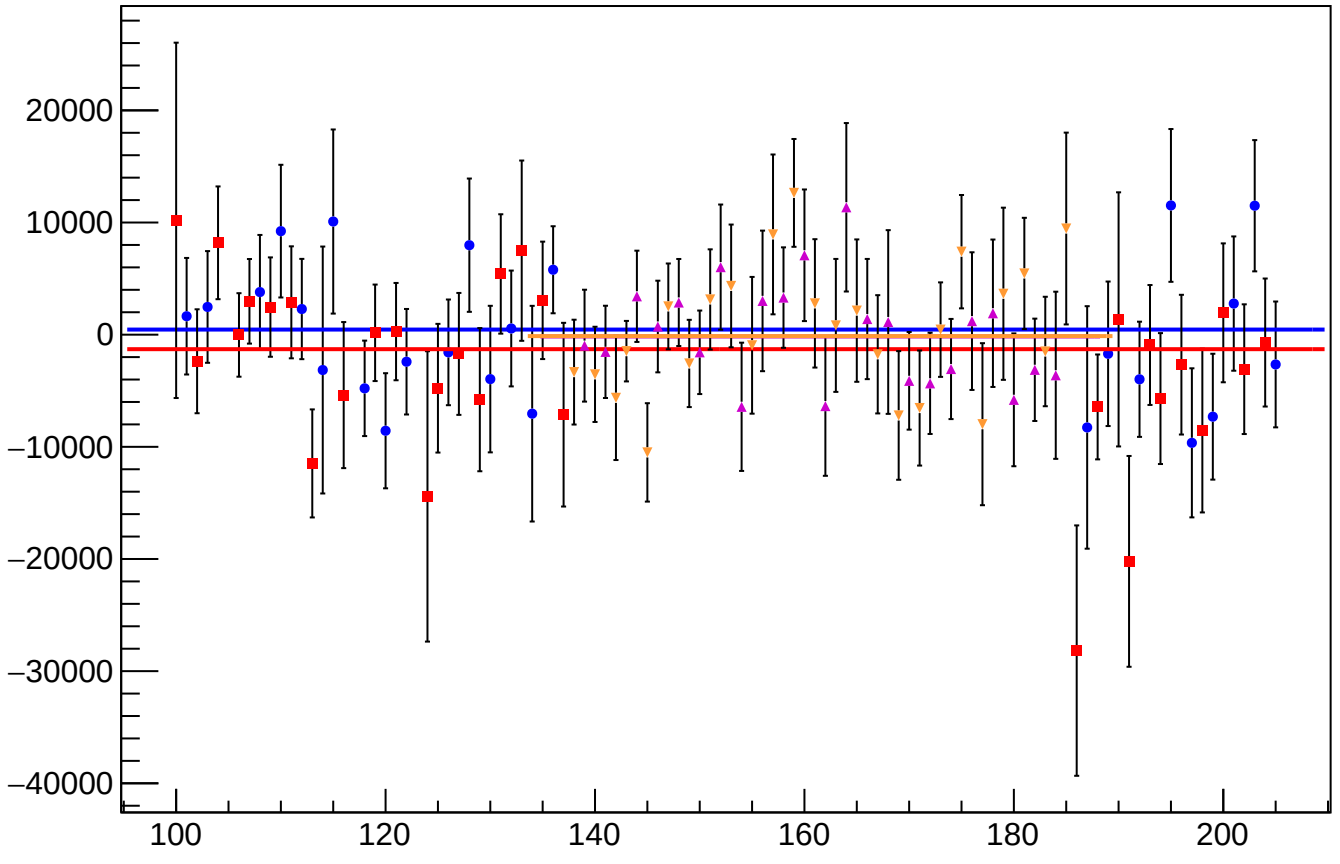
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.611+/-0.159 χ^2/NDF: 748132.7/49

All: 1303.346+/-0.113 χ^2/NDF: 1159844.4/10

- sign 1311.247+/-0.161 χ^2/NDF: 406945.1/52



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

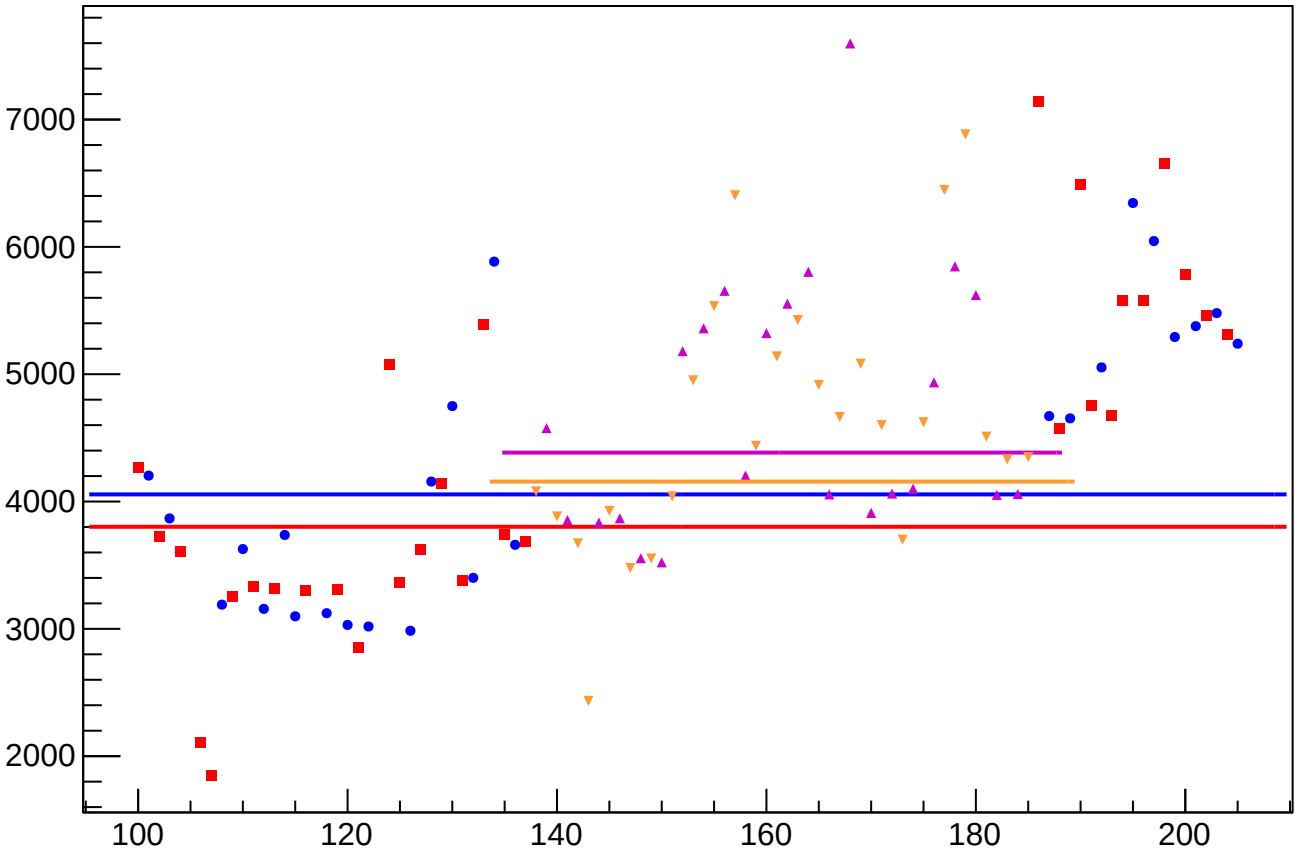
Right Out: -1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 125.640+/-735.194 χ^2/NDF: 55.3/49

All: -310.667+/-517.932 χ^2/NDF: 101.5/102

- sign -740.559+/-729.769 χ^2/NDF: 45.4/52



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

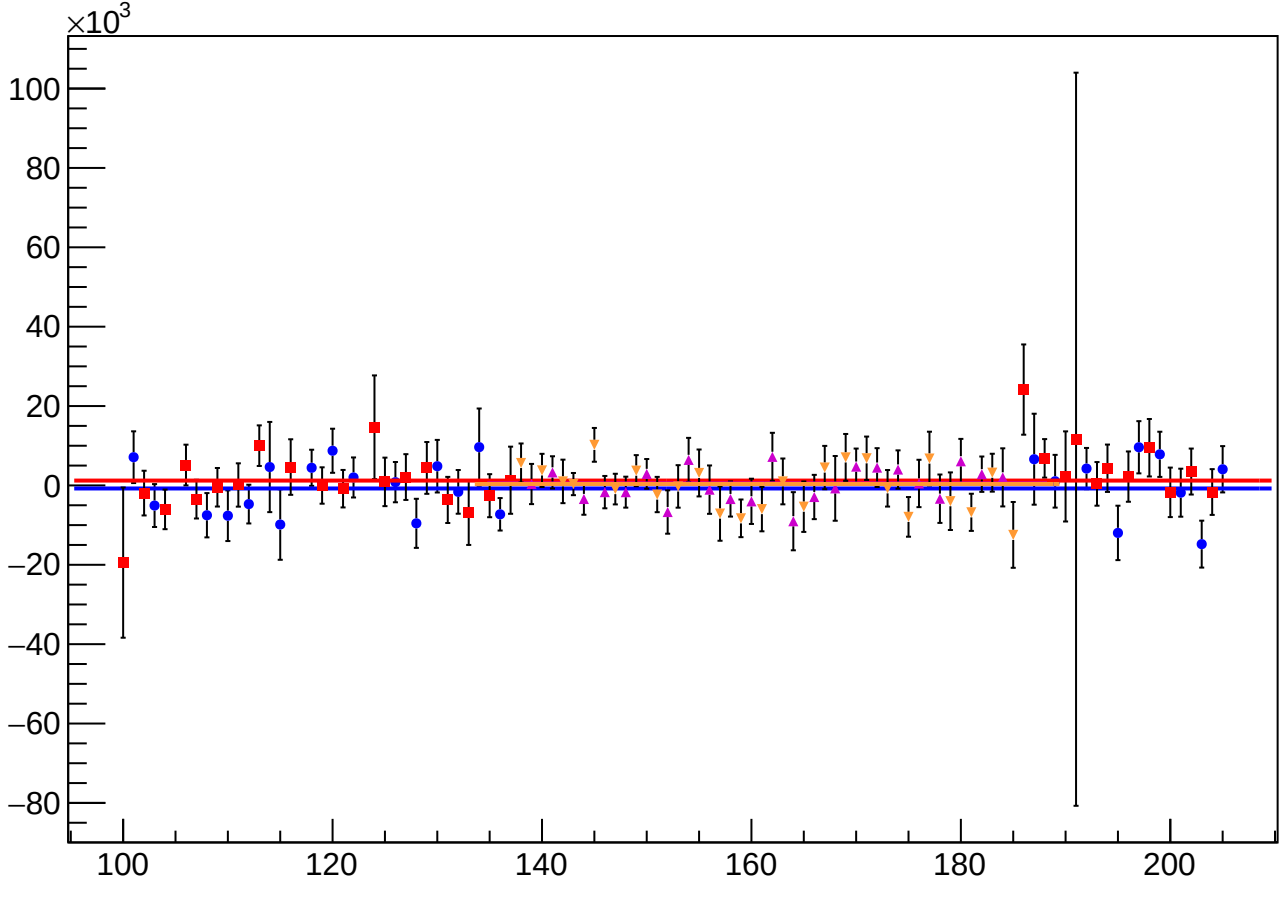
Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703771.8/49

All: 4099.168+/-0.366 χ^2/NDF: 8149423.2/10

- sign 4085.603+/-0.516 χ^2/NDF: 4444259.0/52



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1221.385+/-1111.844 χ^2/NDF: 19.9/29

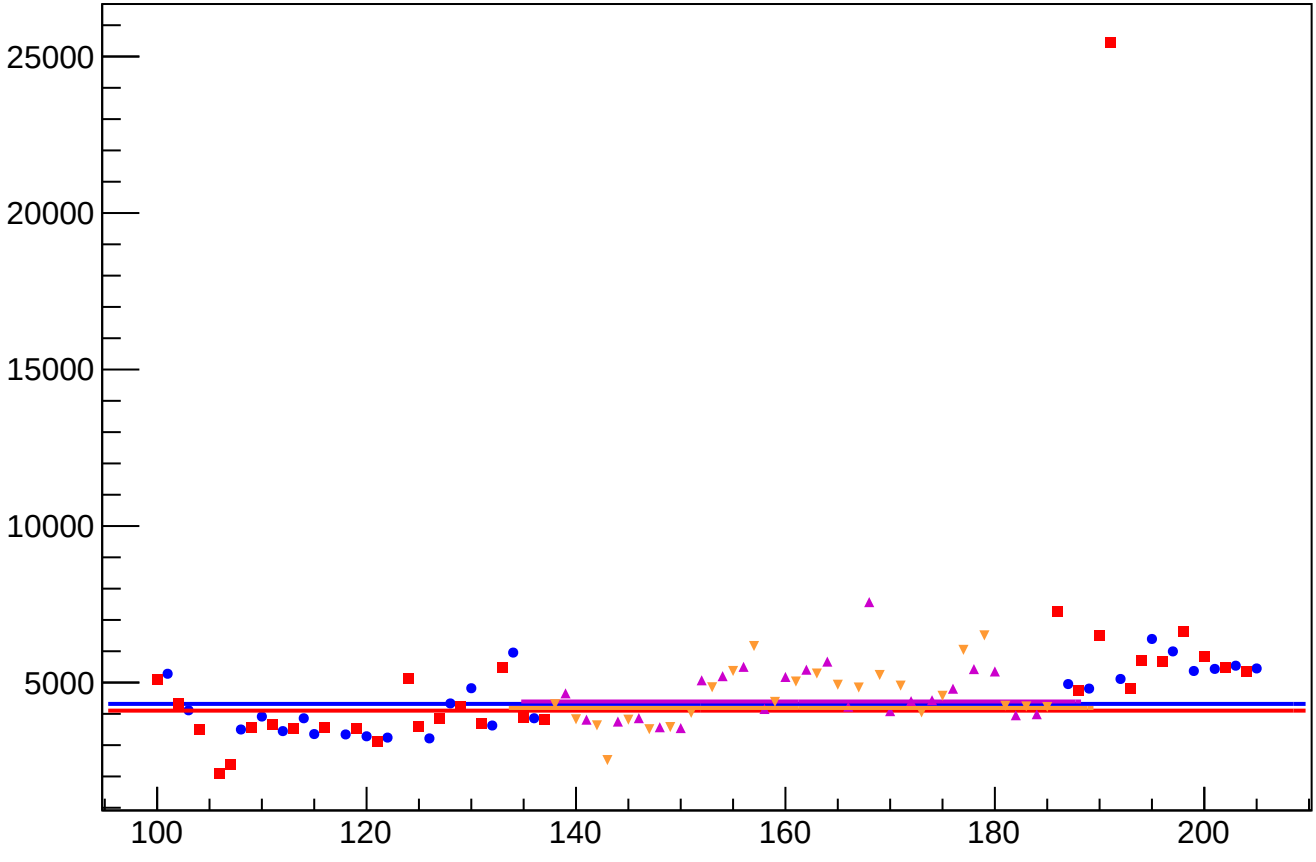
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -98.924+/-754.347 χ^2/NDF: 61.1/49

All: 364.685+/-535.862 χ^2/NDF: 95.9/102

- sign 836.940+/-761.348 χ^2/NDF: 34.0/52

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

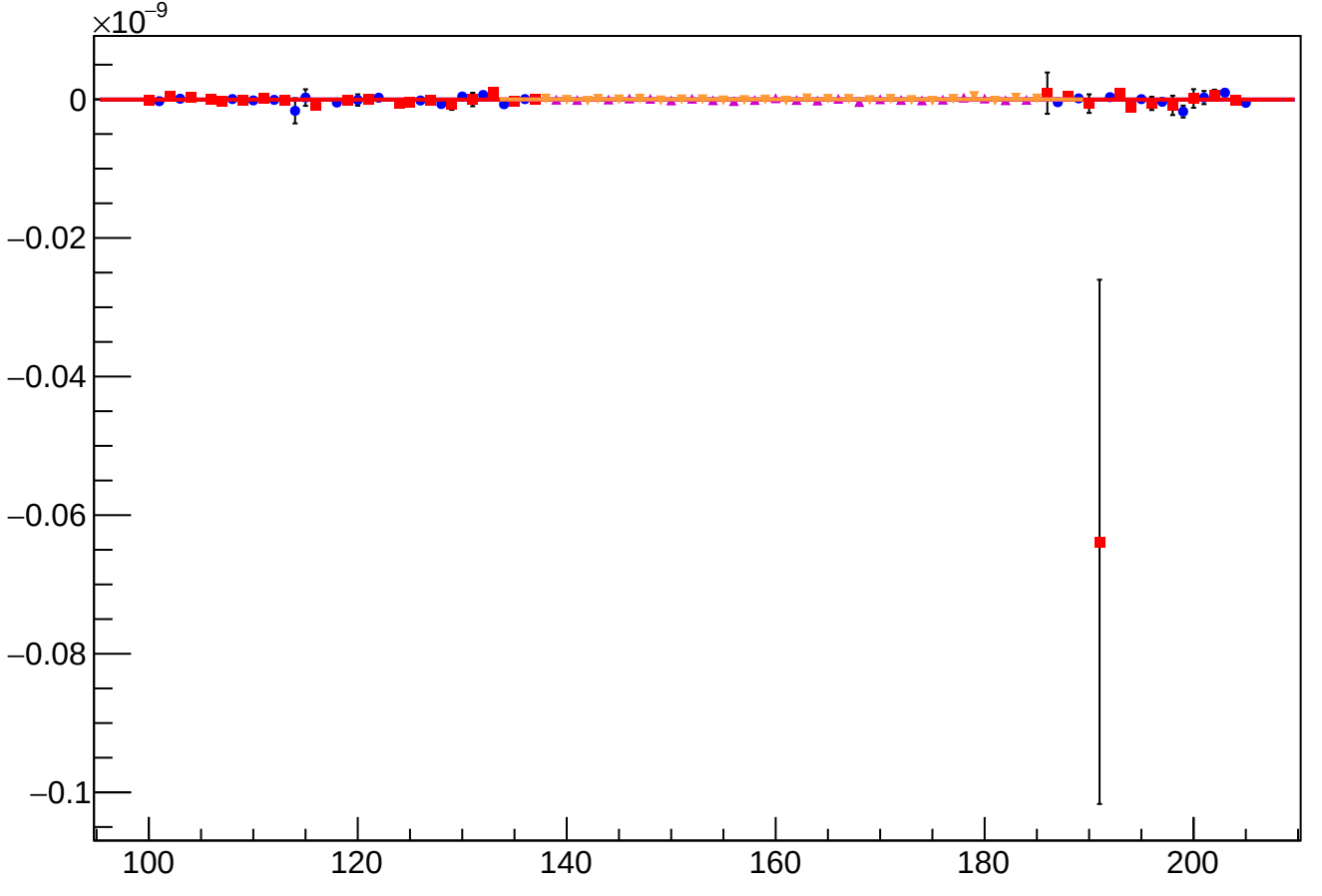
Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4240.765+/-0.533 χ^2/NDF: 3144285.8/49

All: 4248.460+/-0.378 χ^2/NDF: 6623280.0/10

- sign 4256.230+/-0.536 χ^2/NDF: 3478576.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

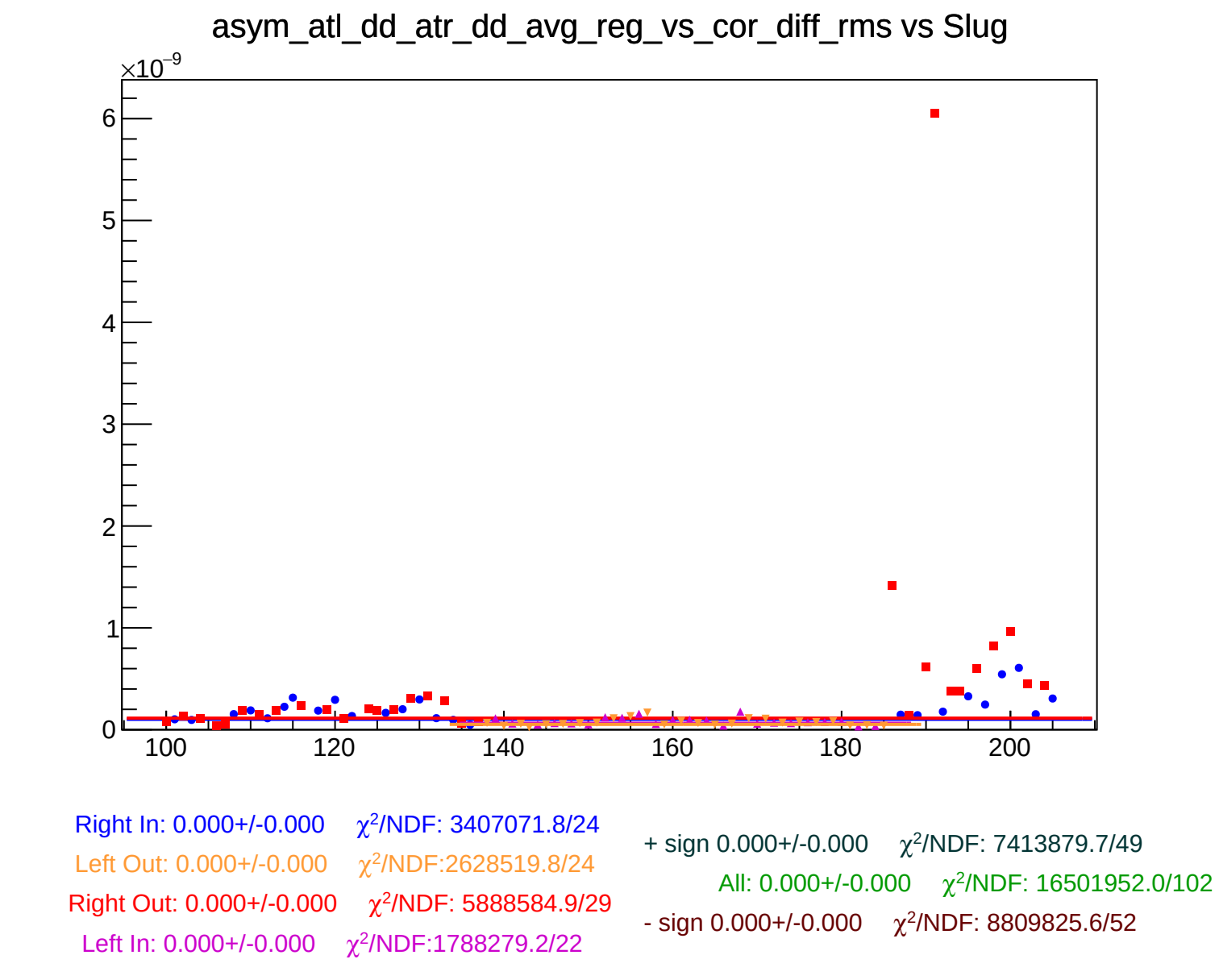
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

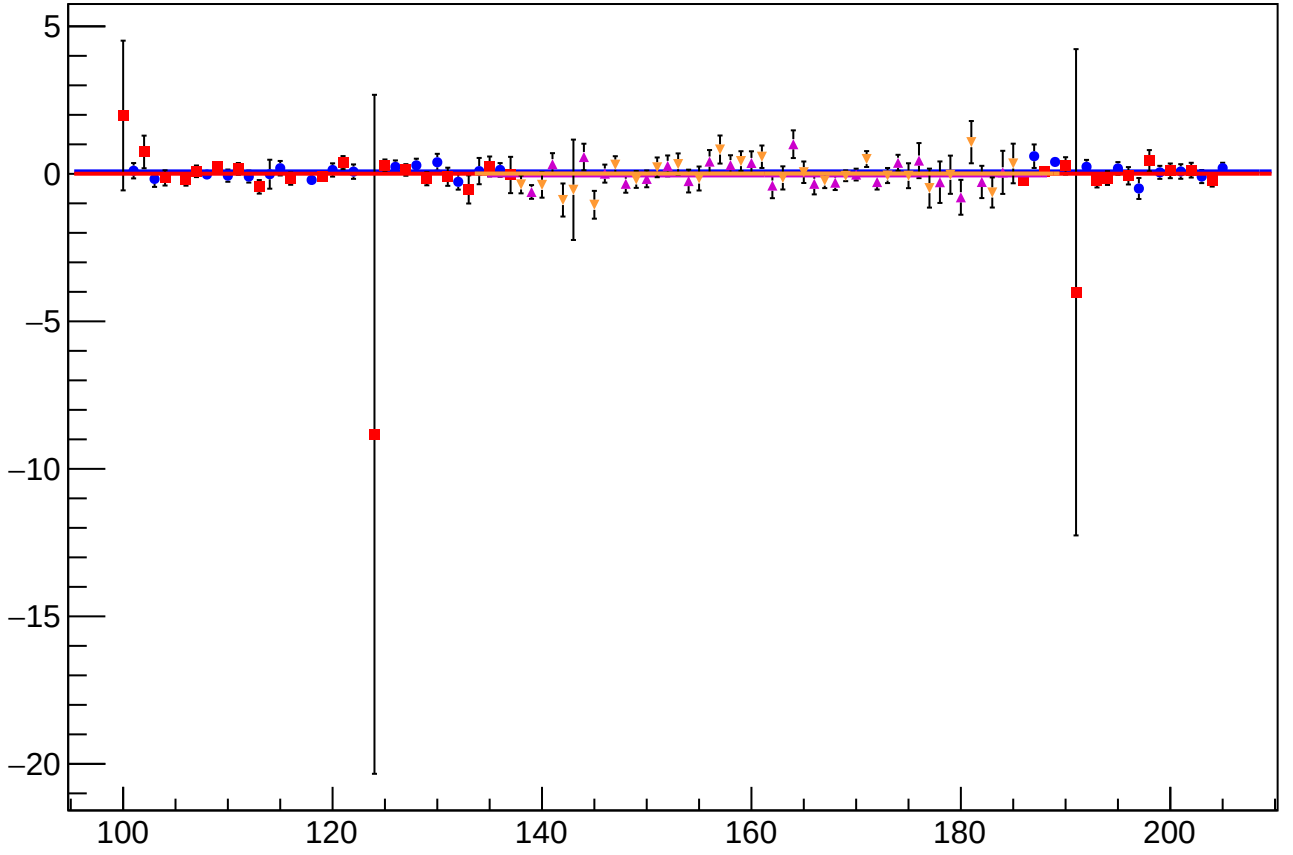
+ sign -0.000+/-0.000 χ^2/NDF: 59.2/49

All: -0.000+/-0.000 χ^2/NDF: 103.7/102

- sign -0.000+/-0.000 χ^2/NDF: 44.3/52


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5888584.9/29
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7413879.7/49
All: 0.000+/-0.000 χ²/NDF: 16501952.0/102
- sign 0.000+/-0.000 χ²/NDF: 8809825.6/52

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

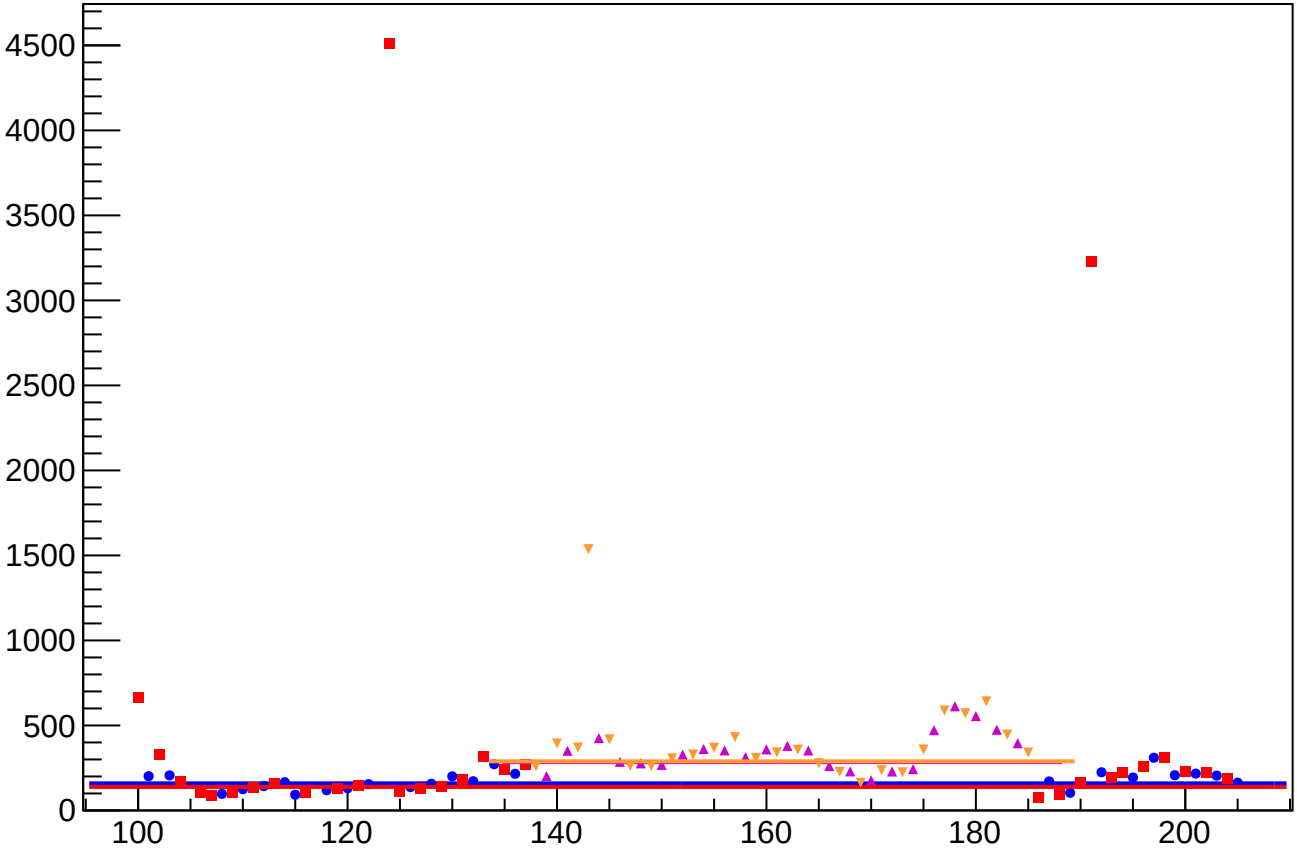
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

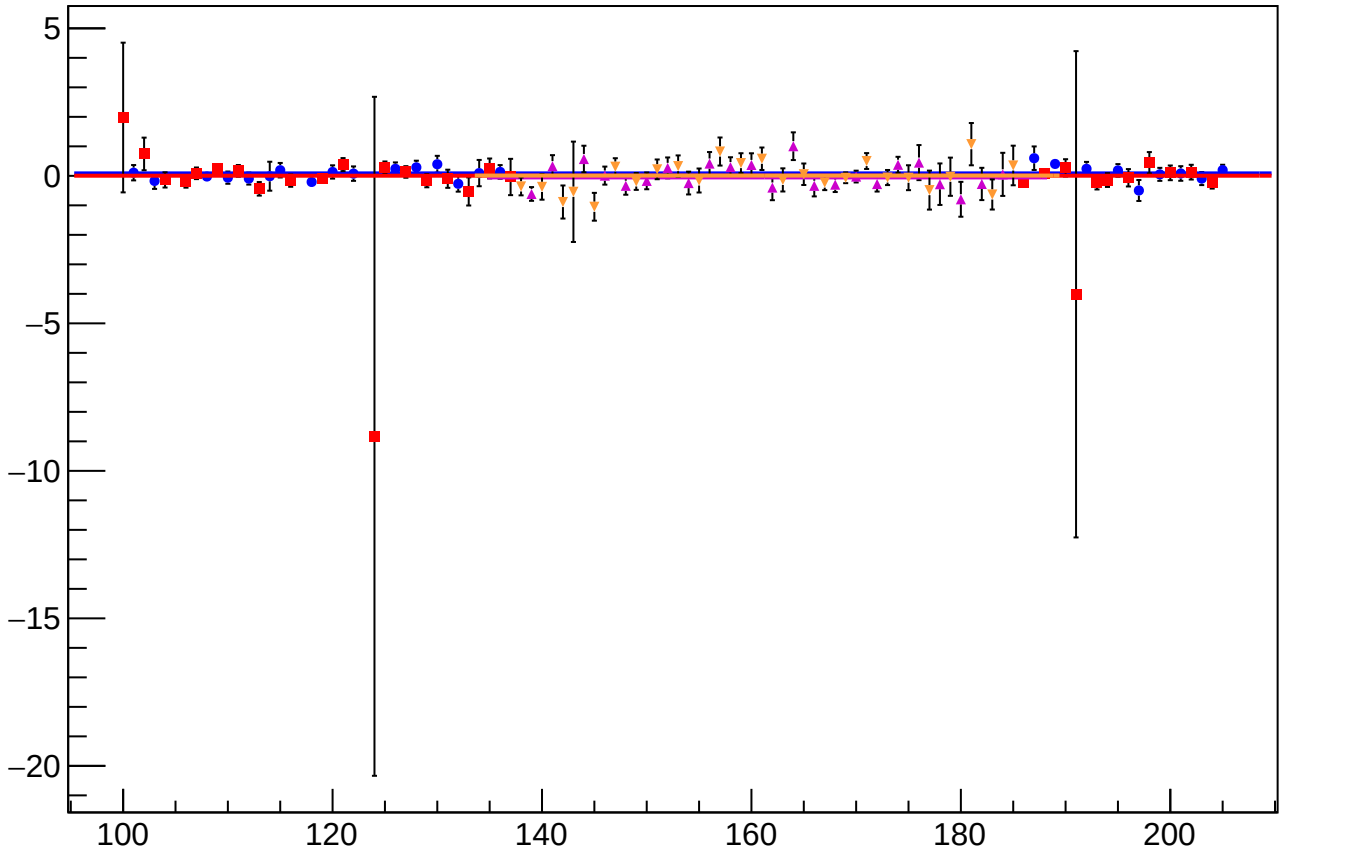
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

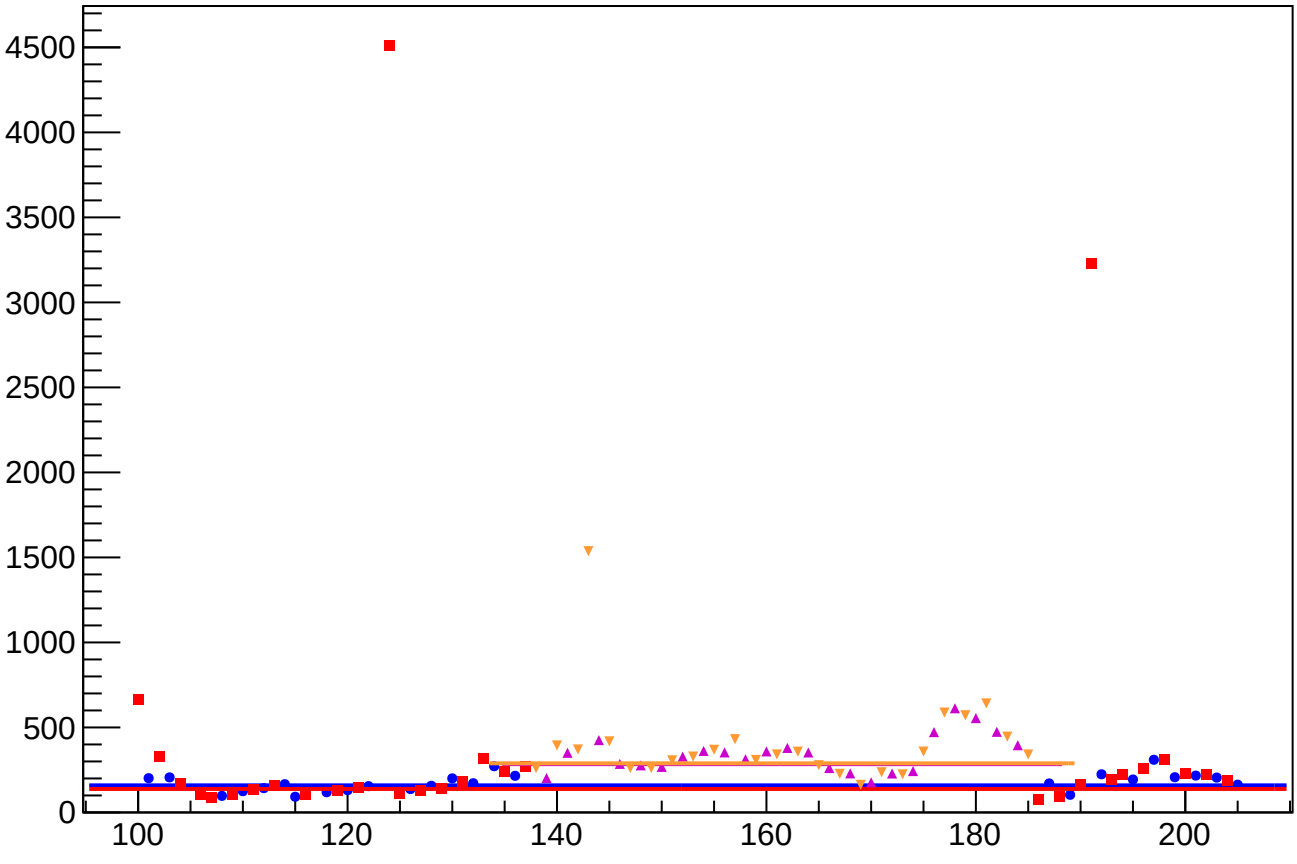
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

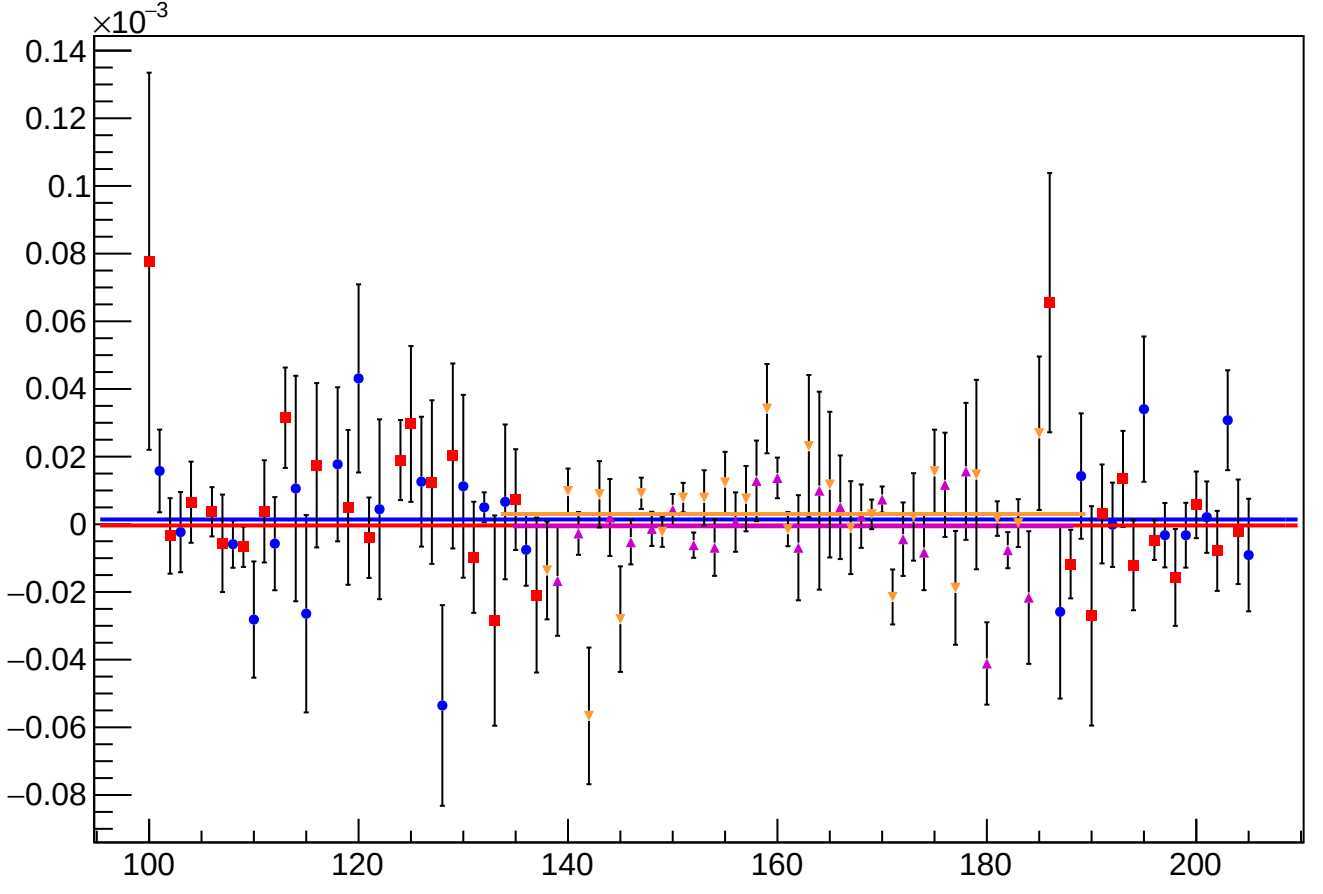
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

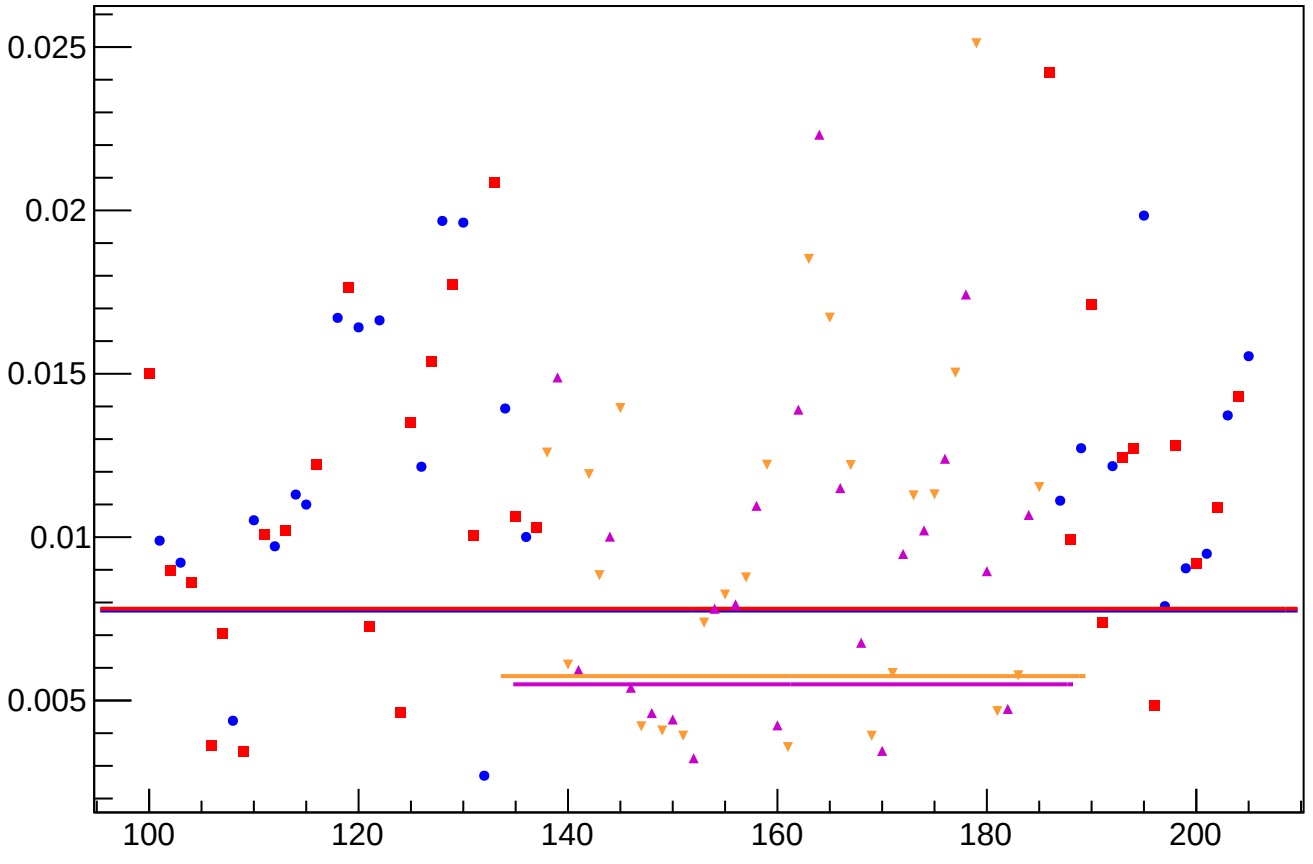
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/49

All: 0.000+/-0.000 χ^2/NDF: 128.2/102

- sign -0.000+/-0.000 χ^2/NDF: 59.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

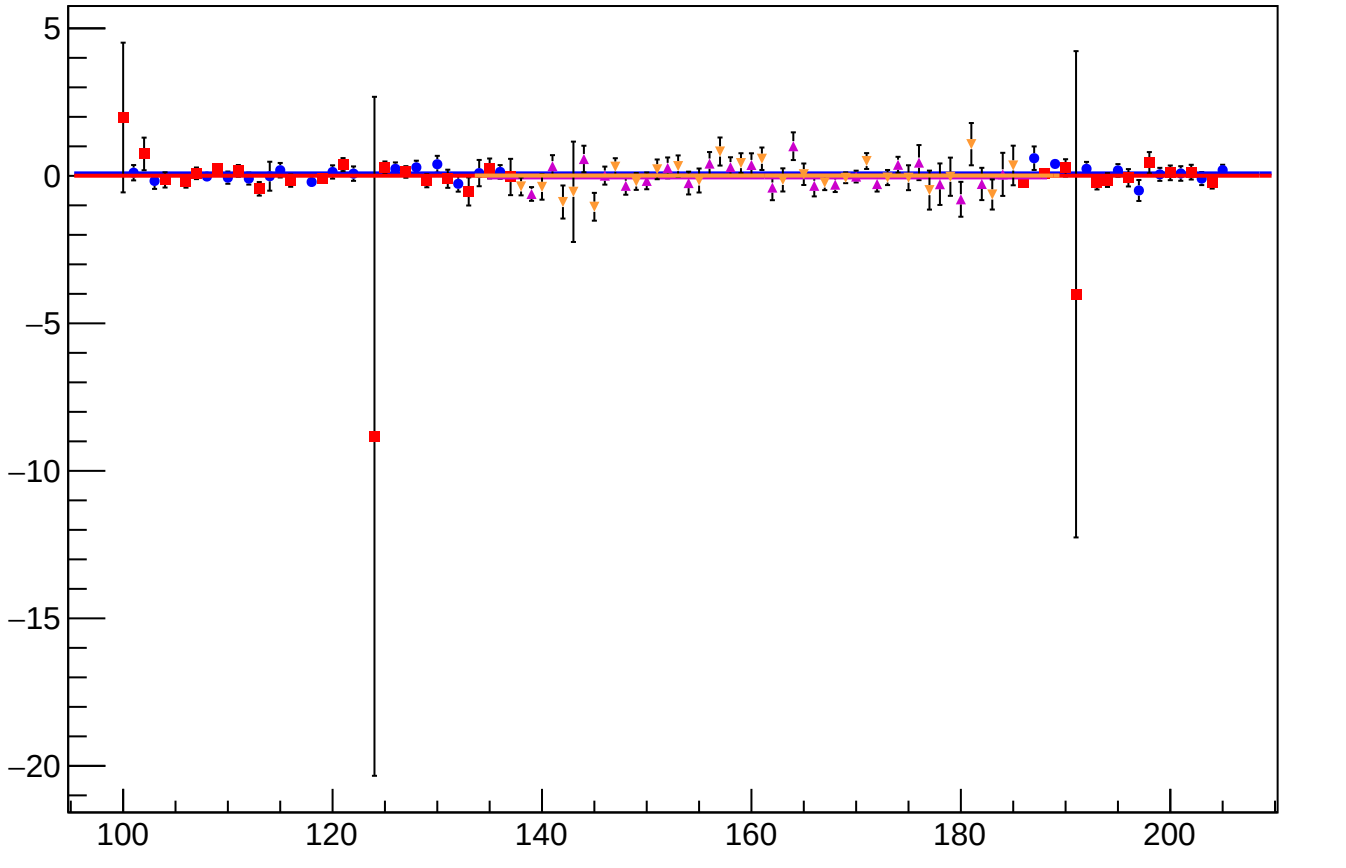
Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 16109152.1/49

All: 0.006+/-0.000 χ^2/NDF: 30431873.0/102

\- sign 0.006+/-0.000 χ^2/NDF: 14315679.1/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

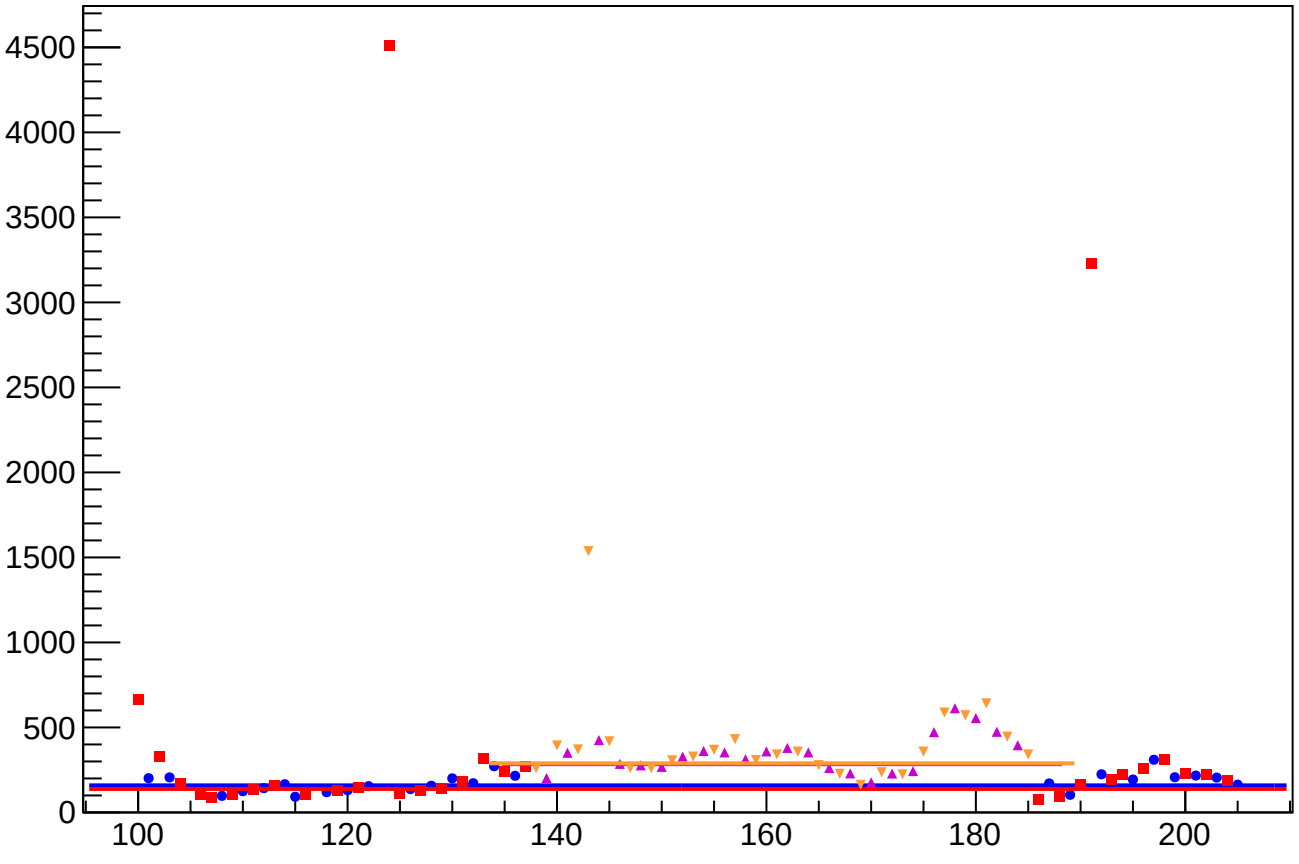
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

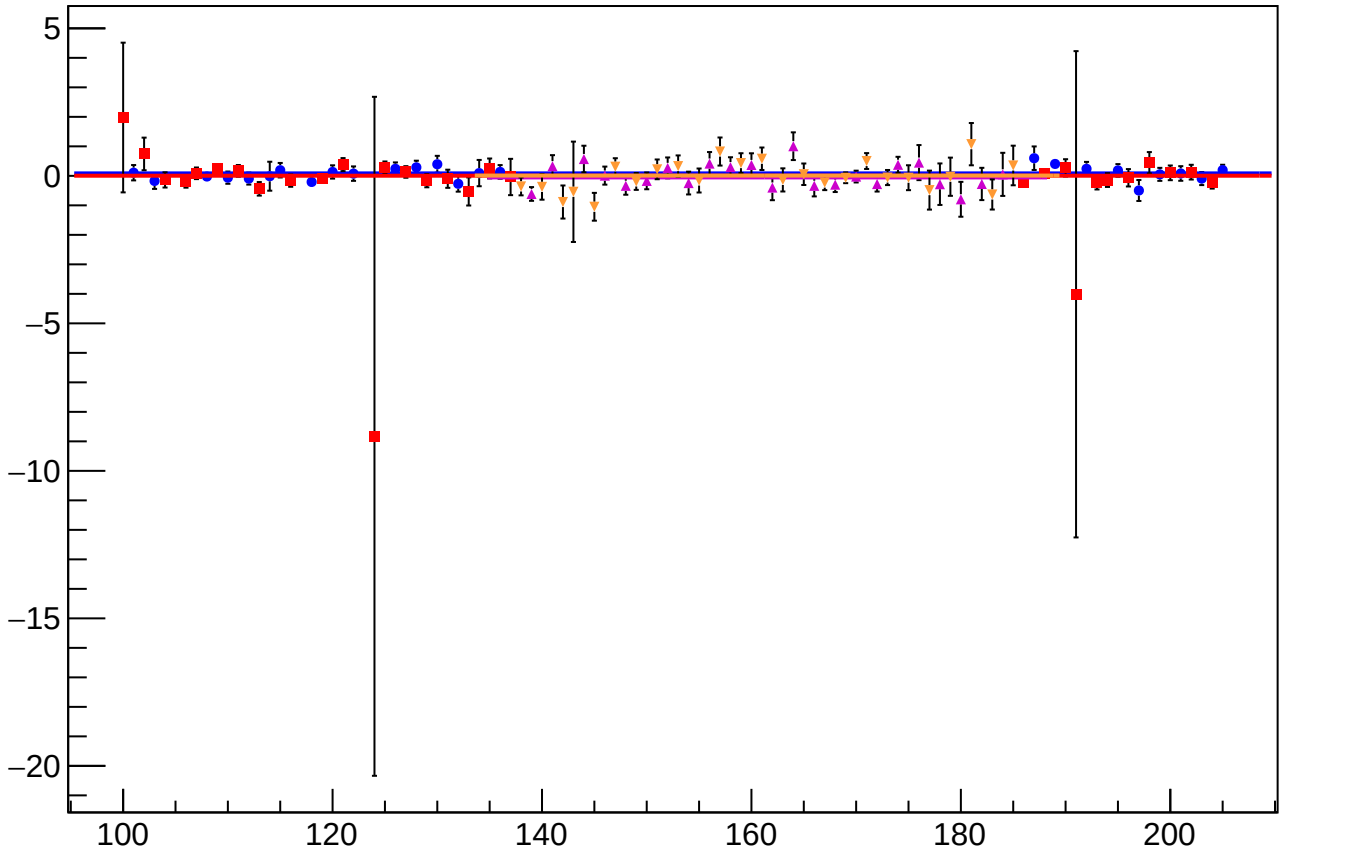
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

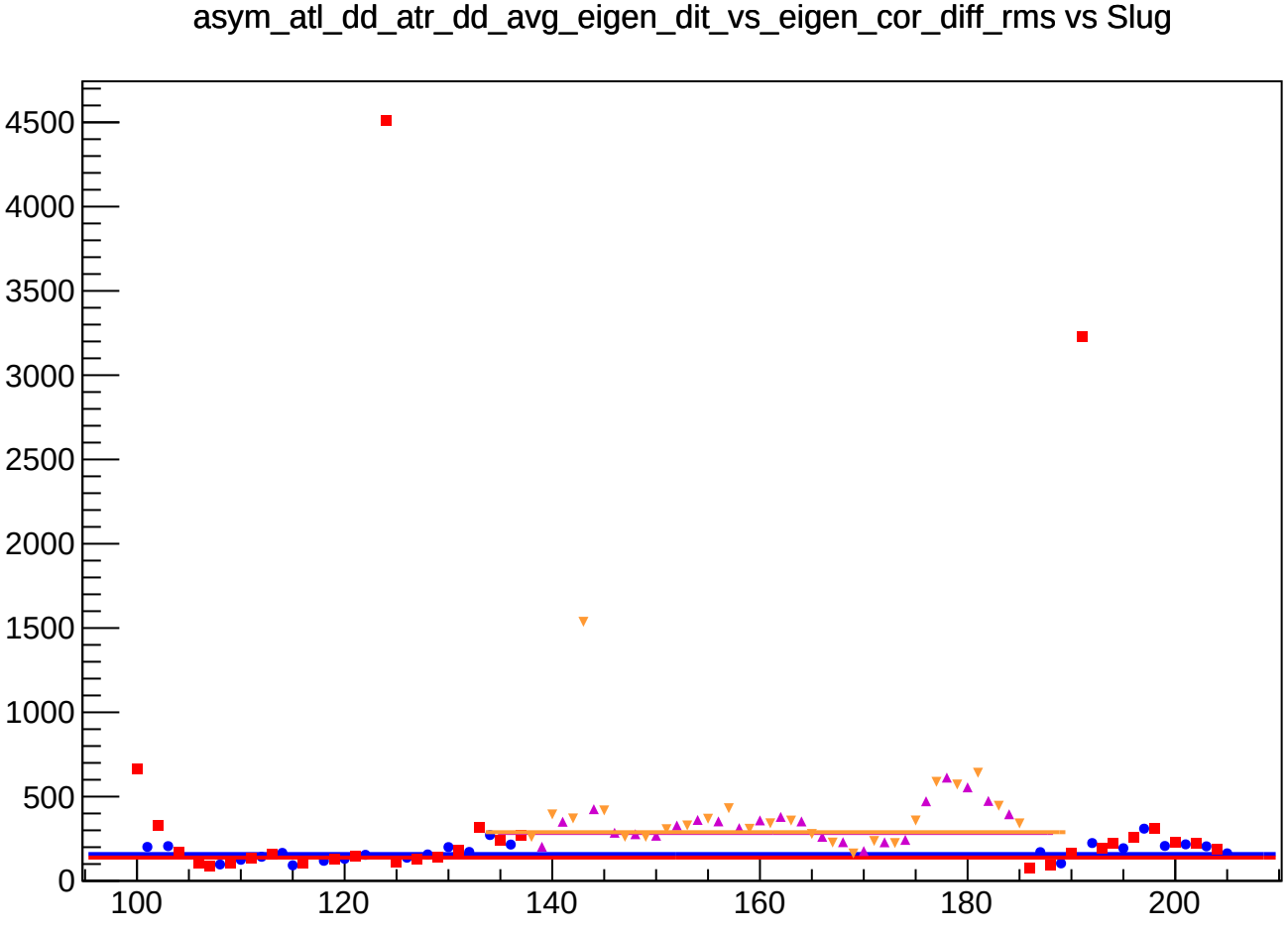
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

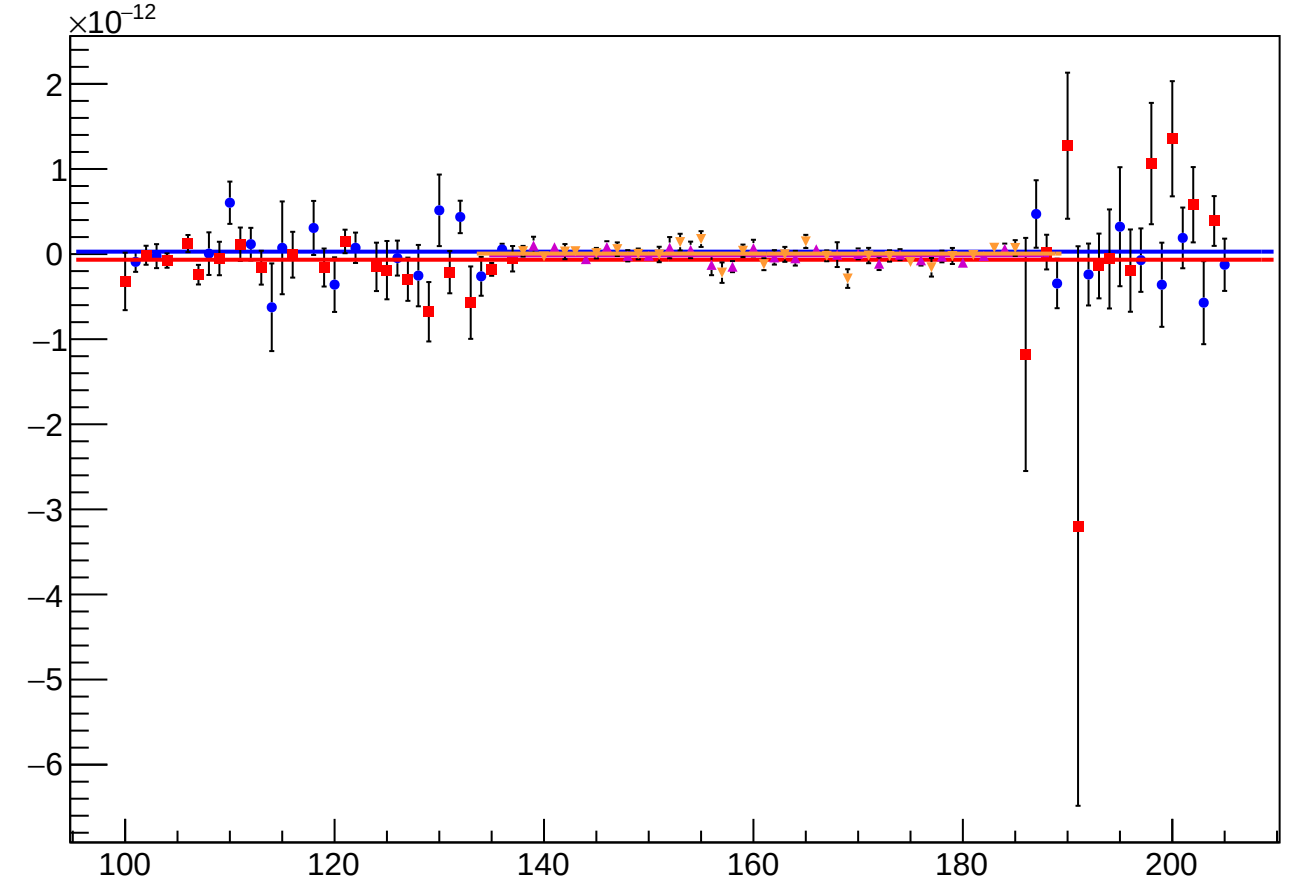
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

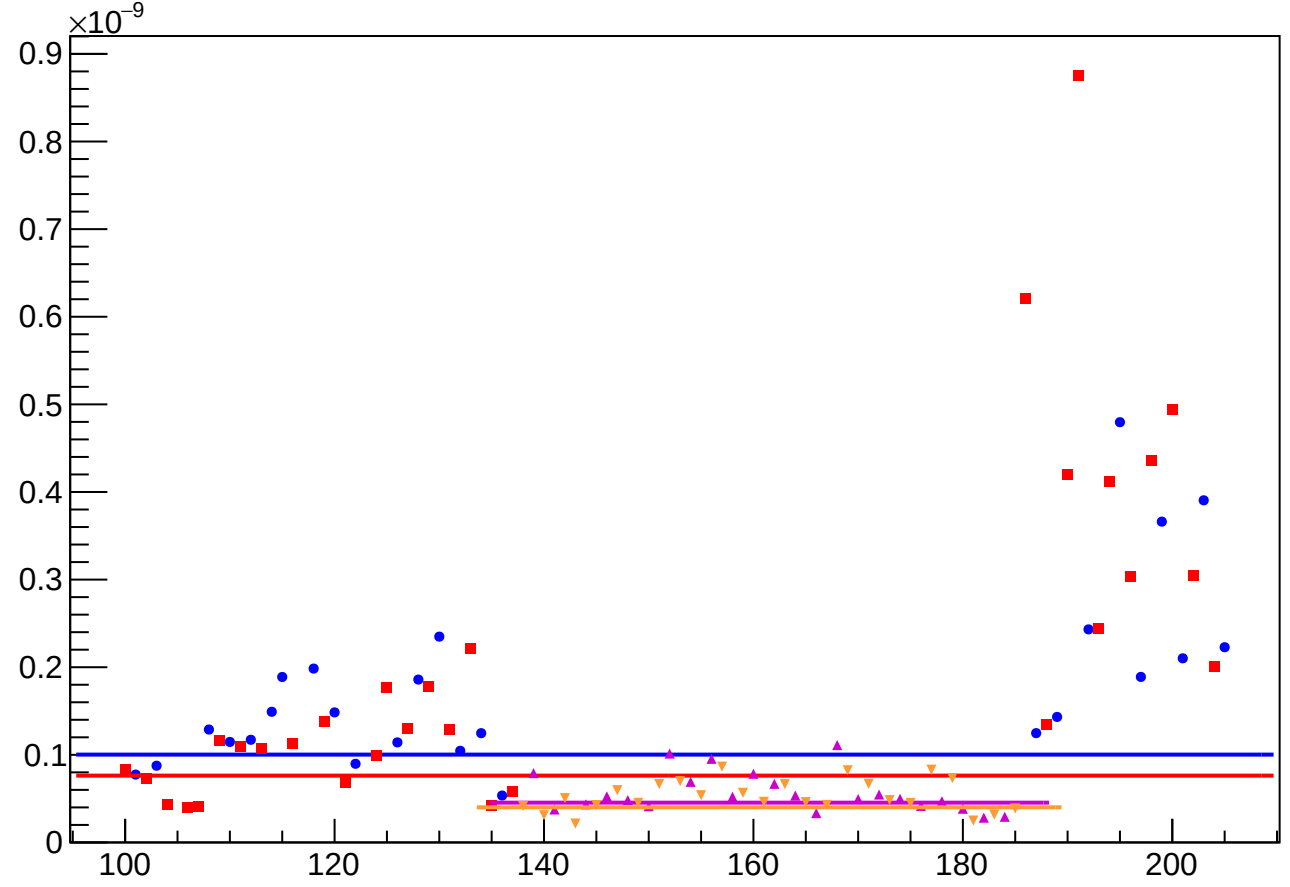
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/49

All: -0.000+/-0.000 χ^2/NDF: 122.4/102

- sign -0.000+/-0.000 χ^2/NDF: 59.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

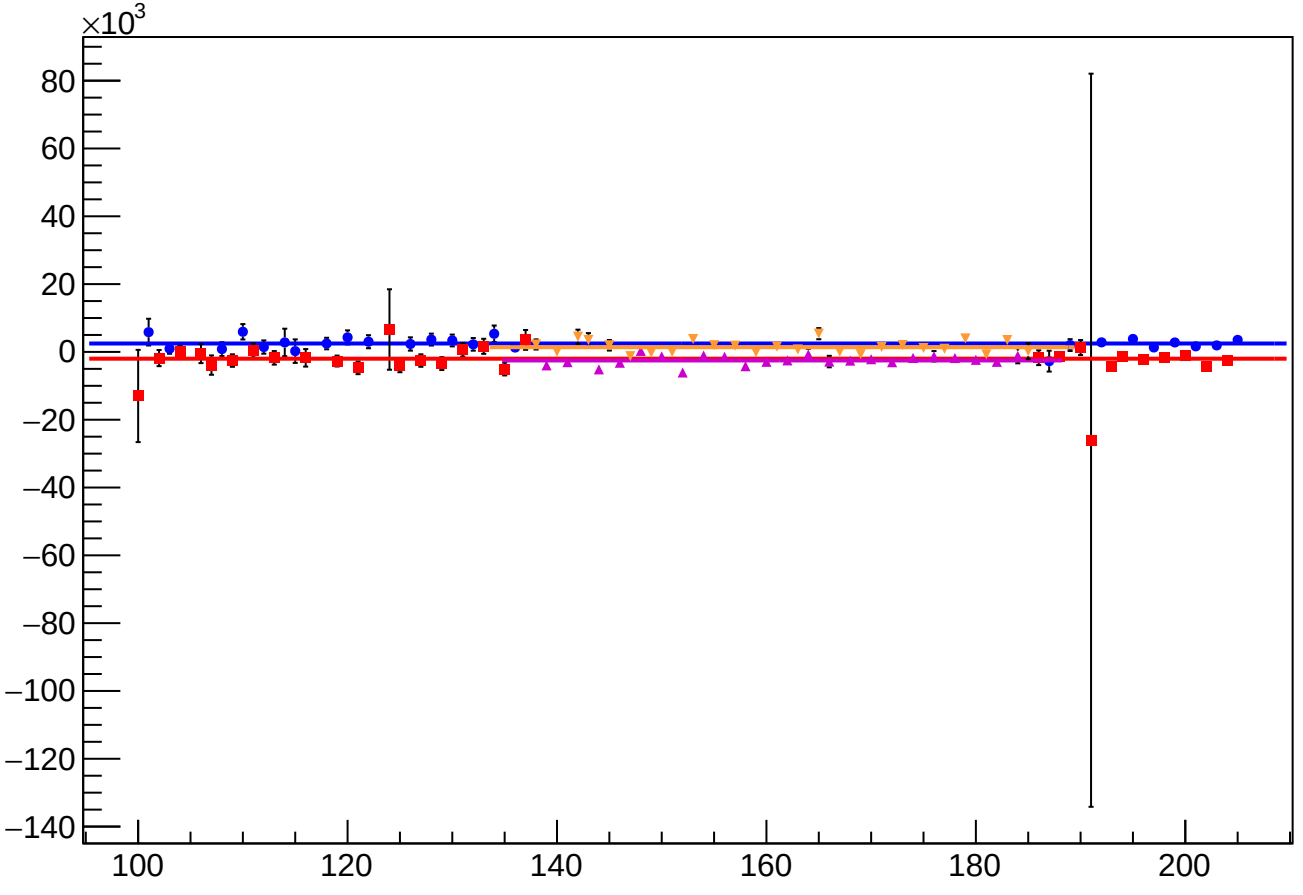
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12283706.2/49

All: 0.000+/-0.000 χ^2/NDF: 23649097.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11213597.1/52

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2480.791+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1999.174+/-341.828 χ^2/NDF: 28.1/29

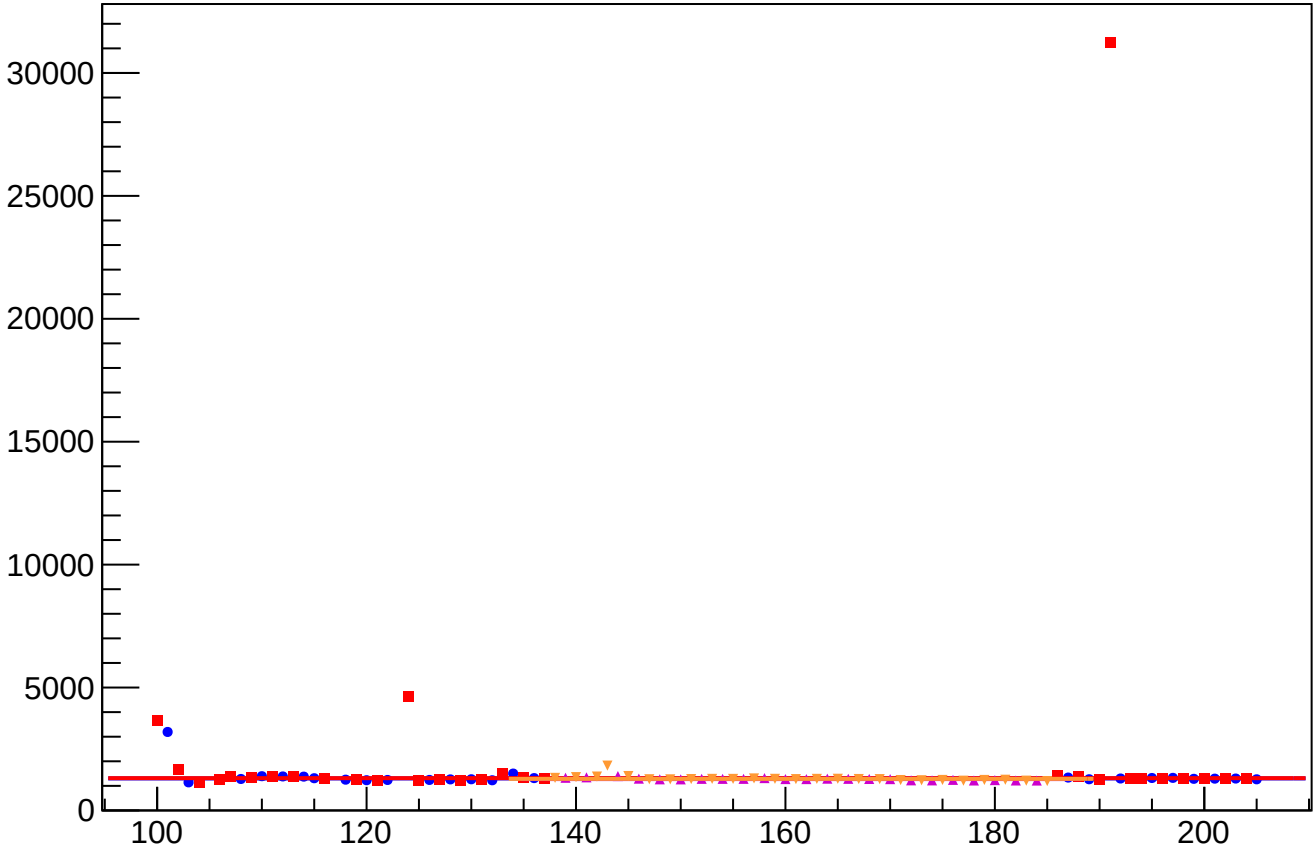
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1834.784+/-224.618 χ^2/NDF: 53.5/49

All: -229.493+/-158.846 χ^2/NDF: 274.3/102

- sign -2294.654+/-224.666 χ^2/NDF: 51.9/52

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.994+/-0.248 χ^2/NDF: 519973.8/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

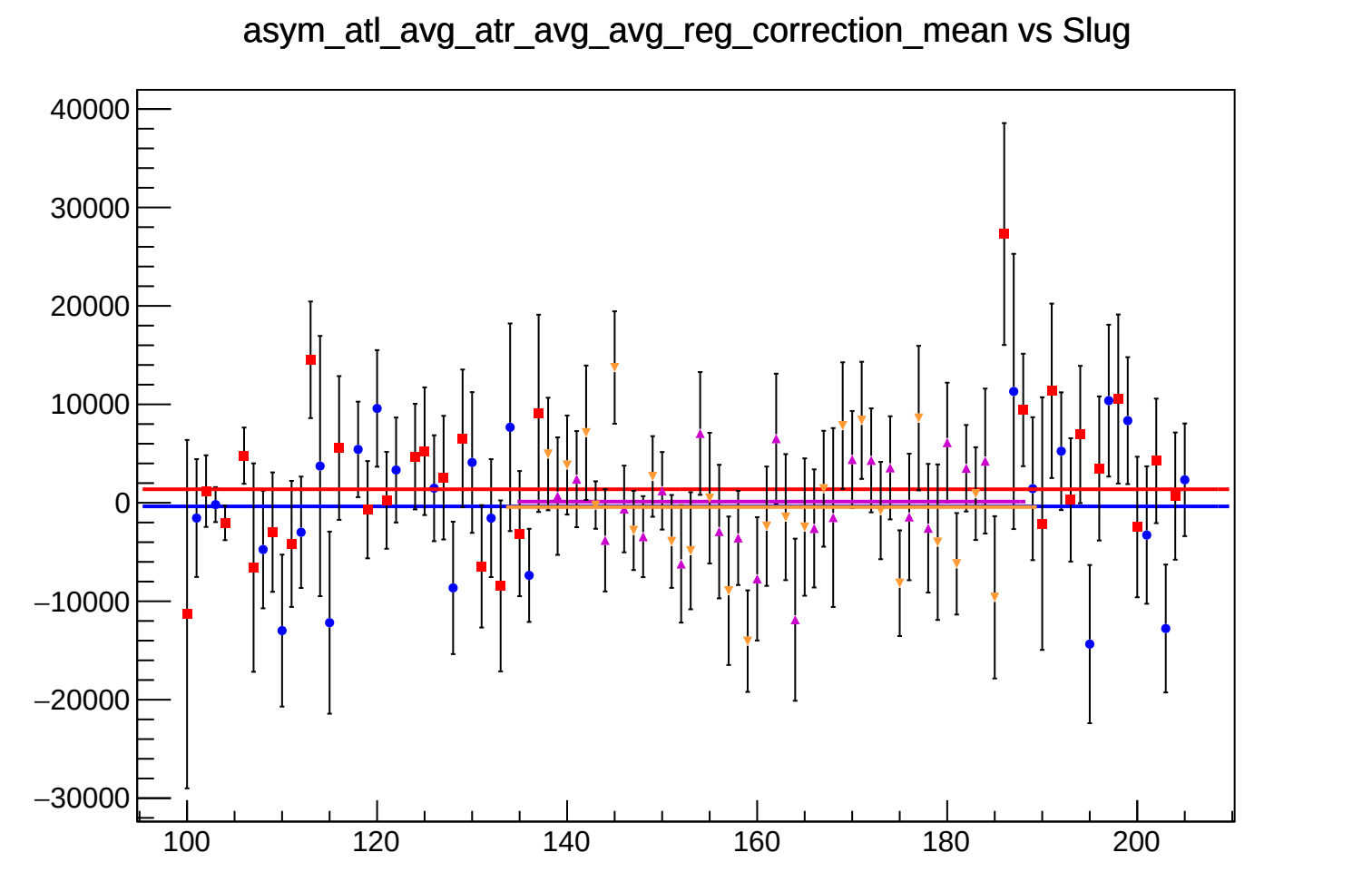
Right Out: 1314.214+/-0.241 χ^2/NDF: 490037.7/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.374+/-0.159 χ^2/NDF: 713565.7/49

All: 1292.436+/-0.112 χ^2/NDF: 1259265.8/10

- sign 1292.498+/-0.159 χ^2/NDF: 545699.9/52



Right In: -363.759+/-1062.378 χ^2/NDF: 27.3/24

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

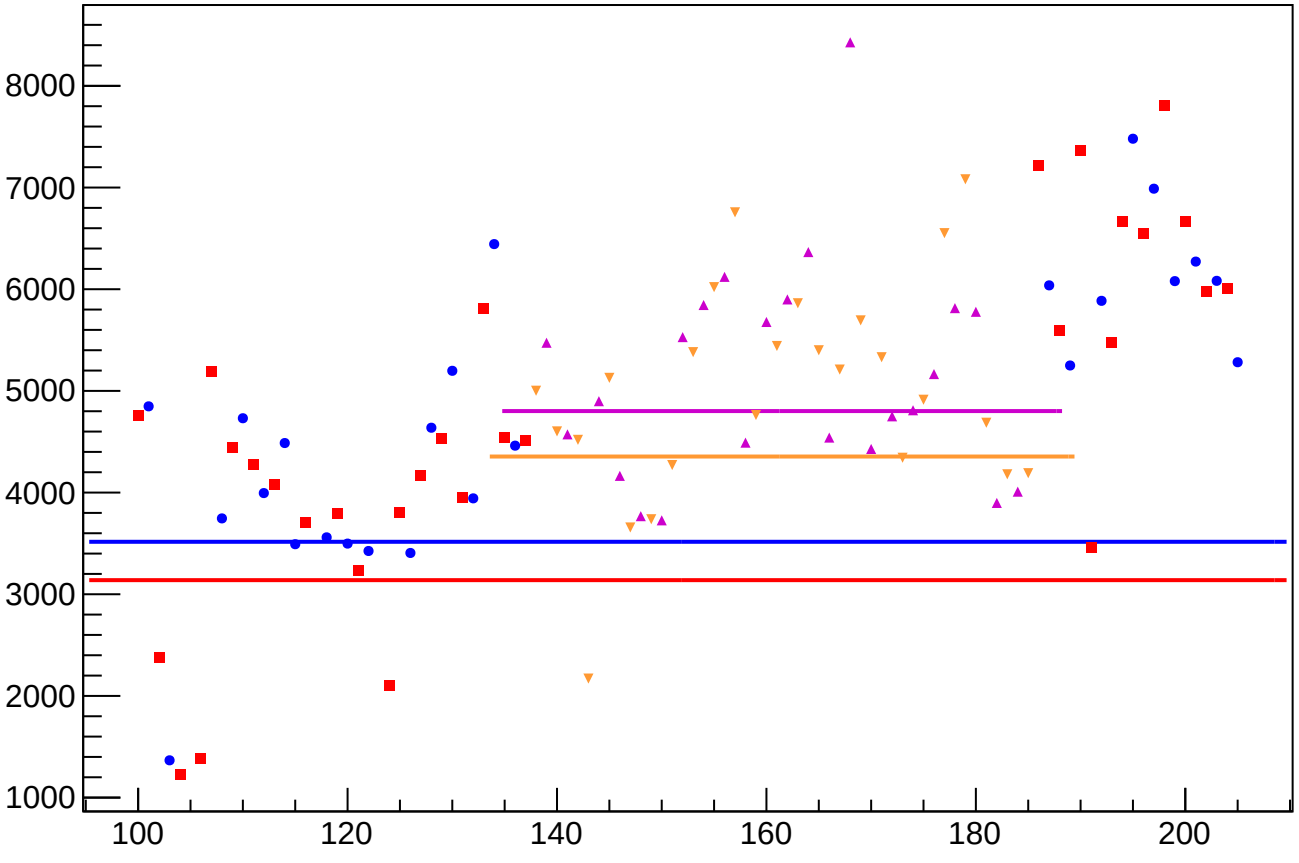
Right Out: 1377.524+/-952.616 χ^2/NDF: 29.4/29

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -396.895+/-742.460 χ^2/NDF: 57.1/49

All: 241.642+/-521.343 χ^2/NDF: 102.3/102

- sign 862.701+/-732.228 χ^2/NDF: 43.7/52



Right In: 3515.962+/-0.751 χ^2/NDF: 6037240.1/24

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3138.666+/-0.674 χ^2/NDF: 8123292.2/29

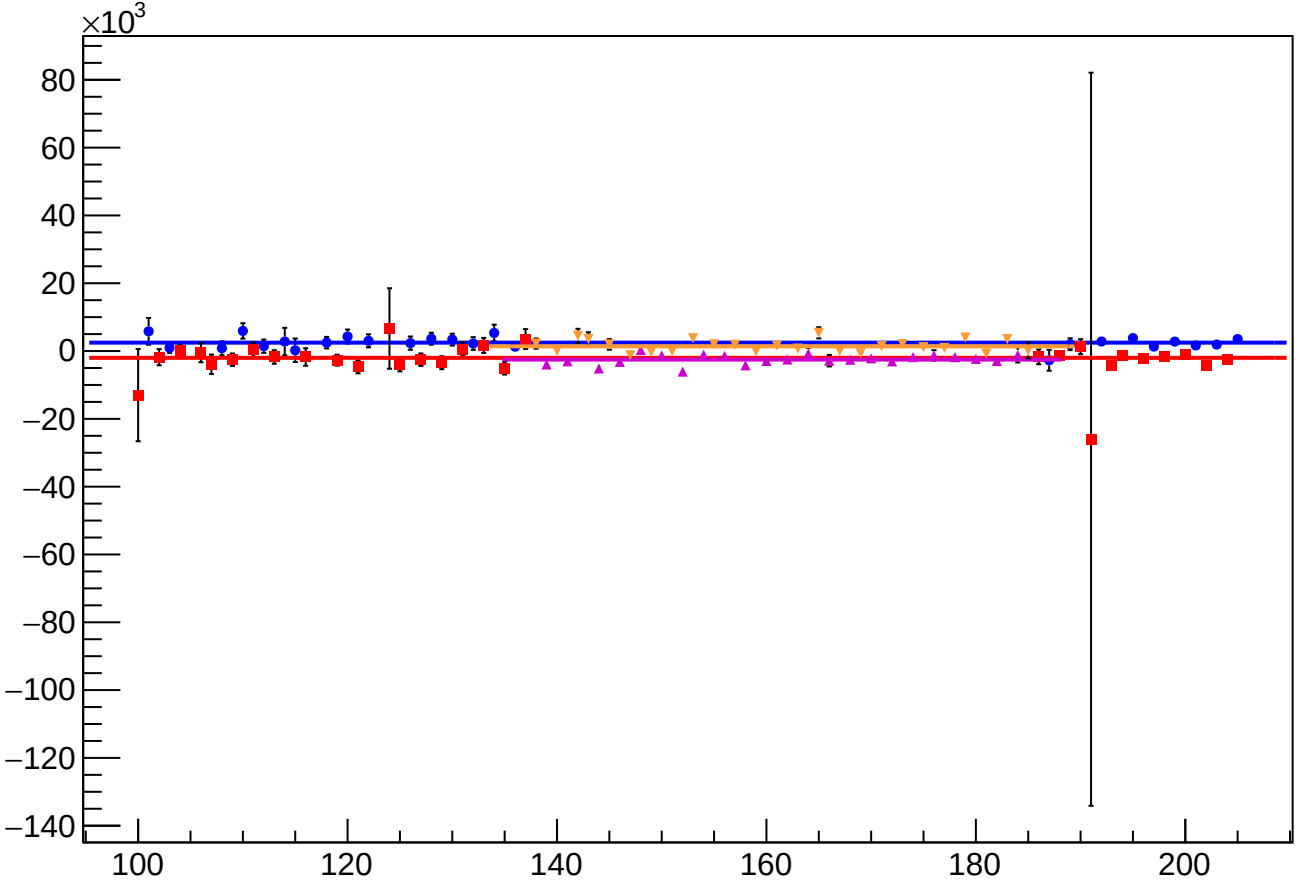
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3944.960+/-0.525 χ^2/NDF: 9746152.7/49

All: 3881.152+/-0.369 χ^2/NDF: 21624161.0/1

- sign 3819.091+/-0.518 χ^2/NDF: 11848868.8/52

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1999.039+/-341.828 χ^2/NDF: 28.1/29

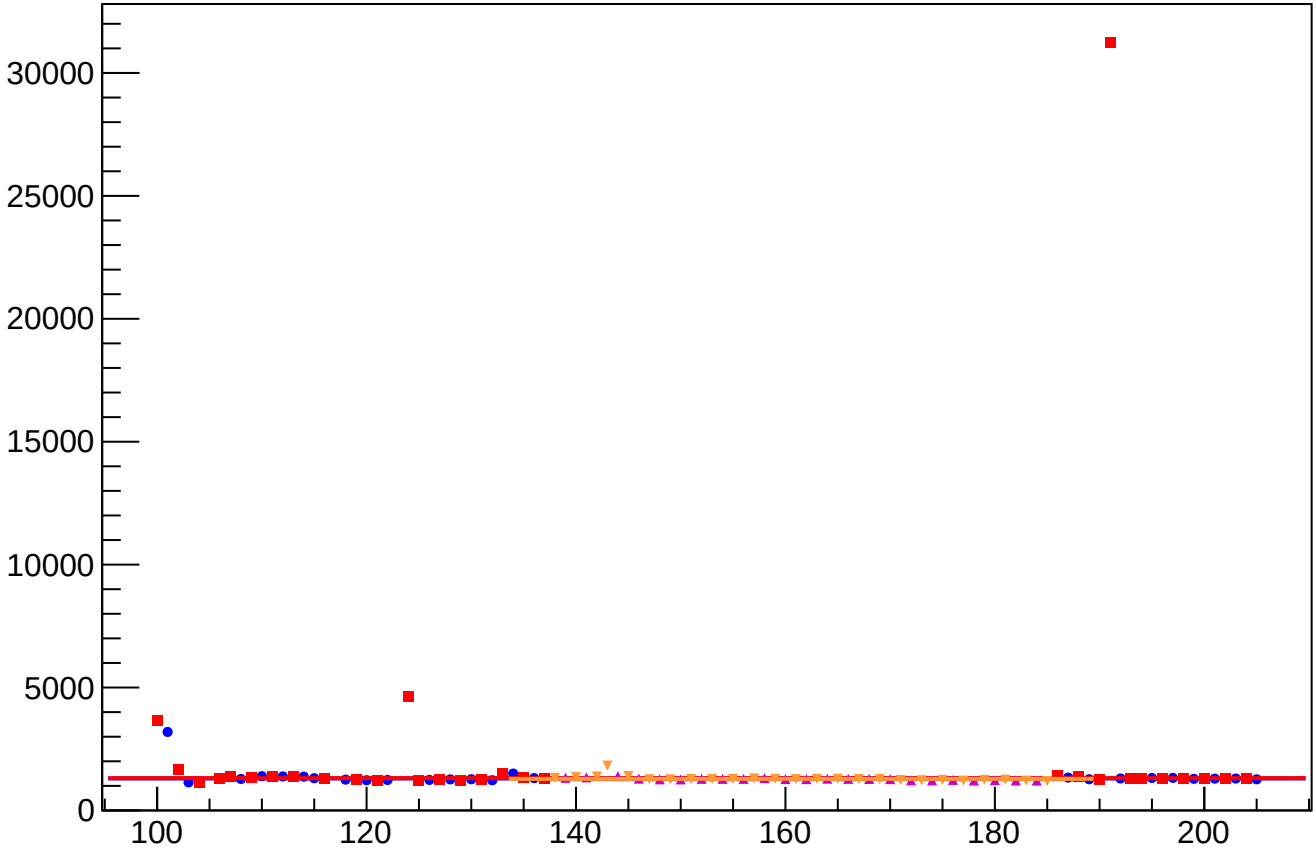
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1834.708+/-224.618 χ^2/NDF: 53.5/49

All: -229.502+/-158.846 χ^2/NDF: 274.3/102

- sign -2294.597+/-224.666 χ^2/NDF: 51.9/52

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

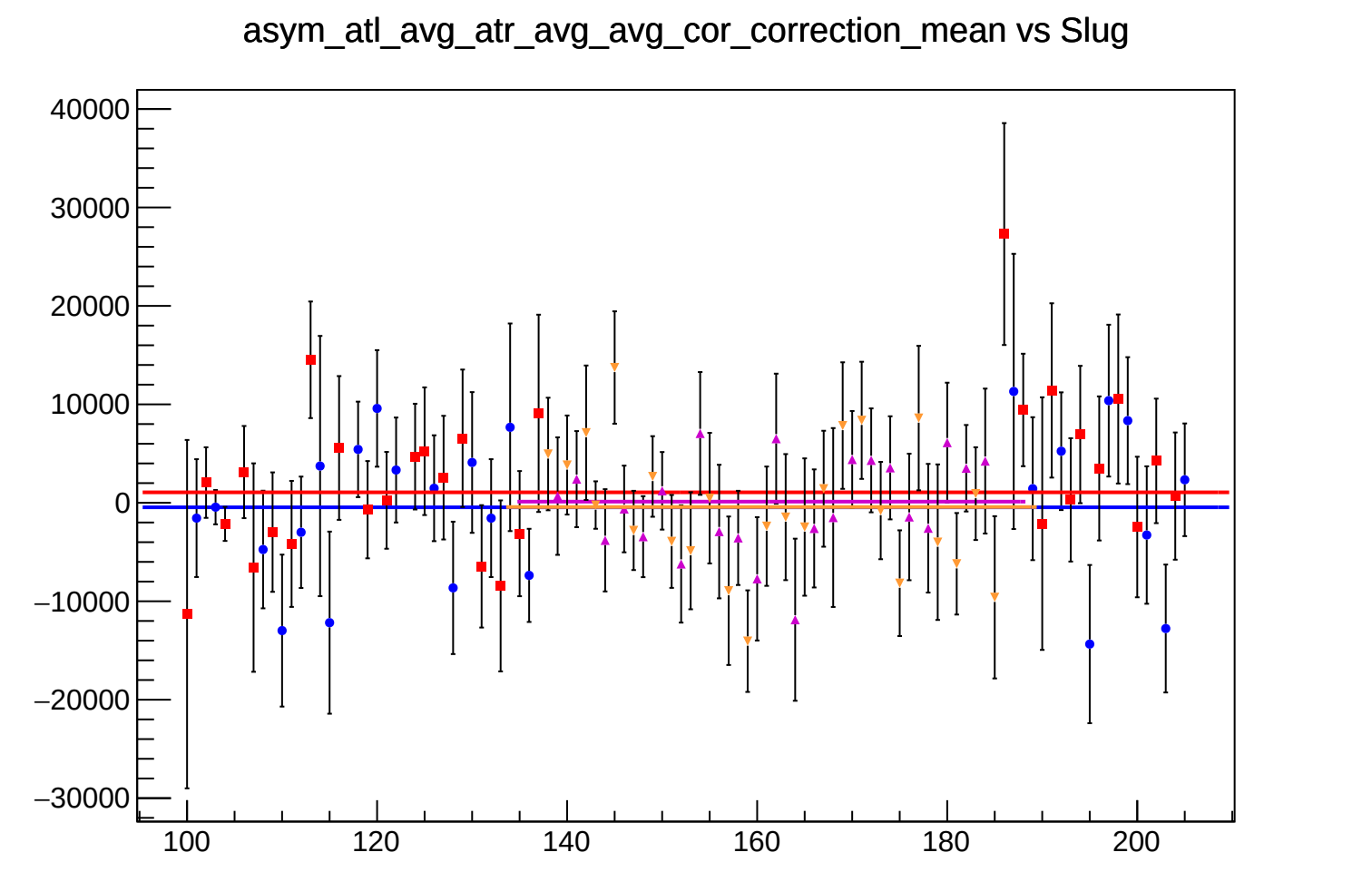
Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.374+/-0.159 χ^2/NDF: 713567.1/49

All: 1292.549+/-0.112 χ^2/NDF: 1259212.8/10

- sign 1292.724+/-0.159 χ^2/NDF: 545643.2/52



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: 1064.137+/-983.702 χ^2/NDF: 28.4/29

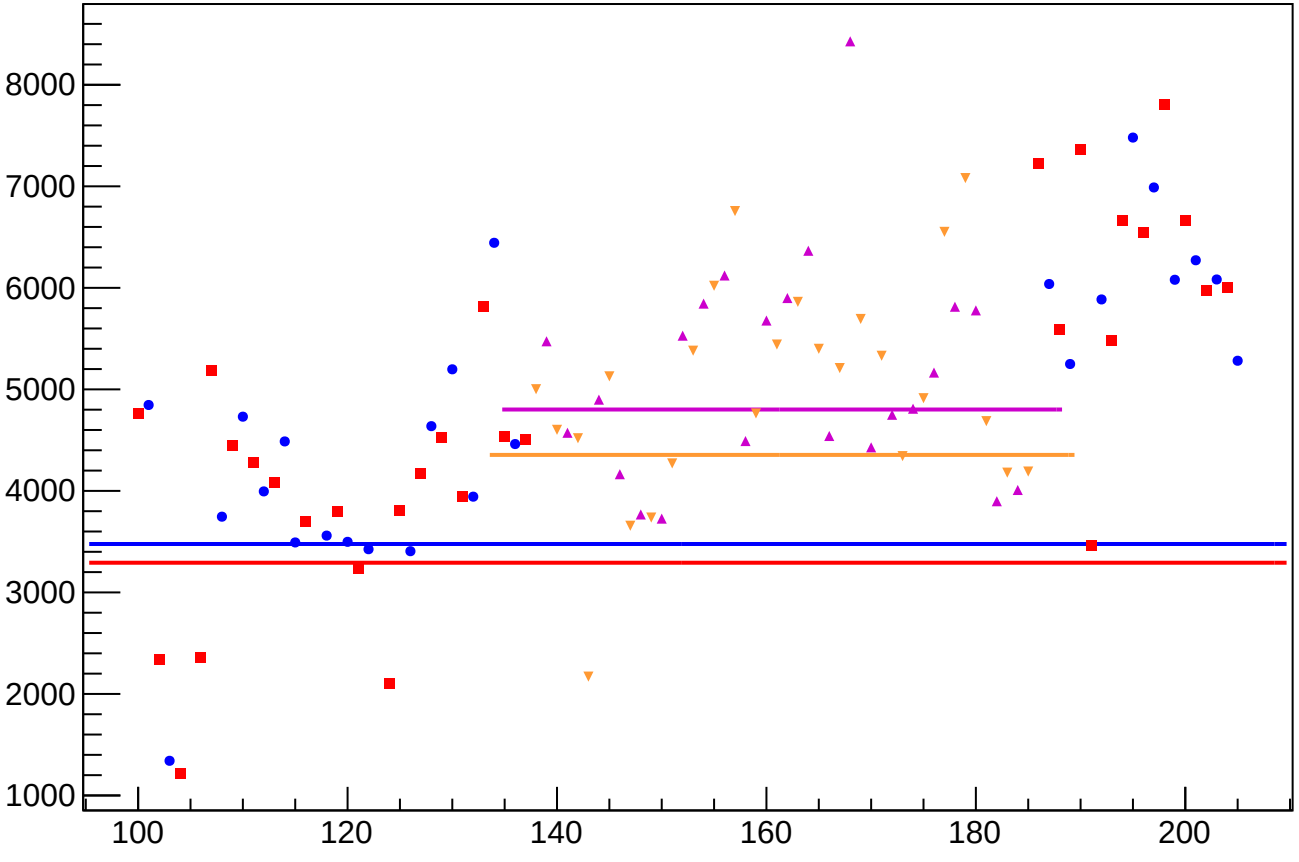
Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -442.570+/-739.924 χ^2/NDF: 57.1/49

All: 105.538+/-525.363 χ^2/NDF: 100.5/102

- sign 662.783+/-746.065 χ^2/NDF: 42.4/52

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

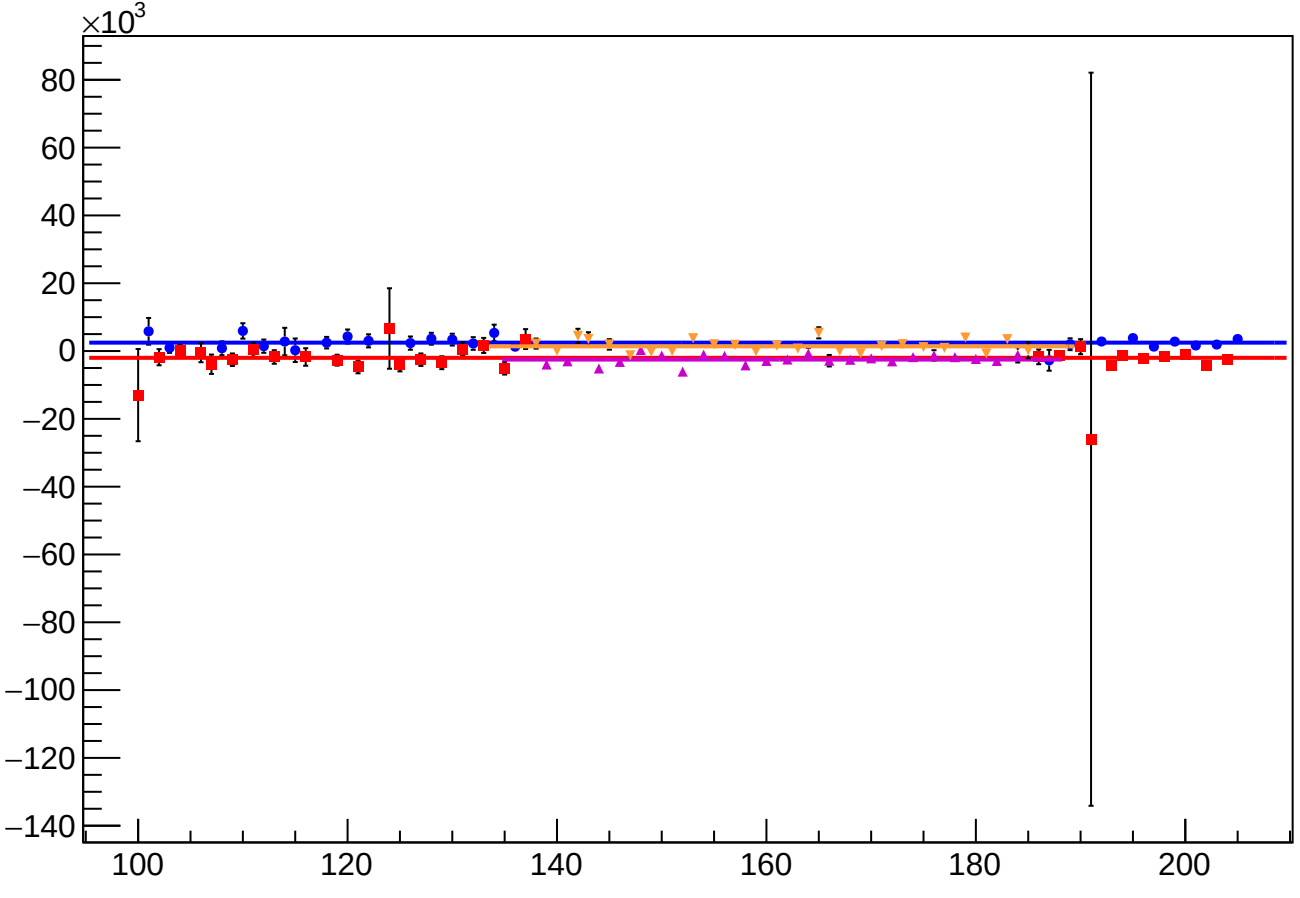
Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3922.827+/-0.523 χ^2/NDF: 9995881.0/49

All: 3928.114+/-0.371 χ^2/NDF: 20691242.1/1

- sign 3933.489+/-0.528 χ^2/NDF: 10695155.3/52



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1999.039+/-341.828 χ^2/NDF: 28.1/29

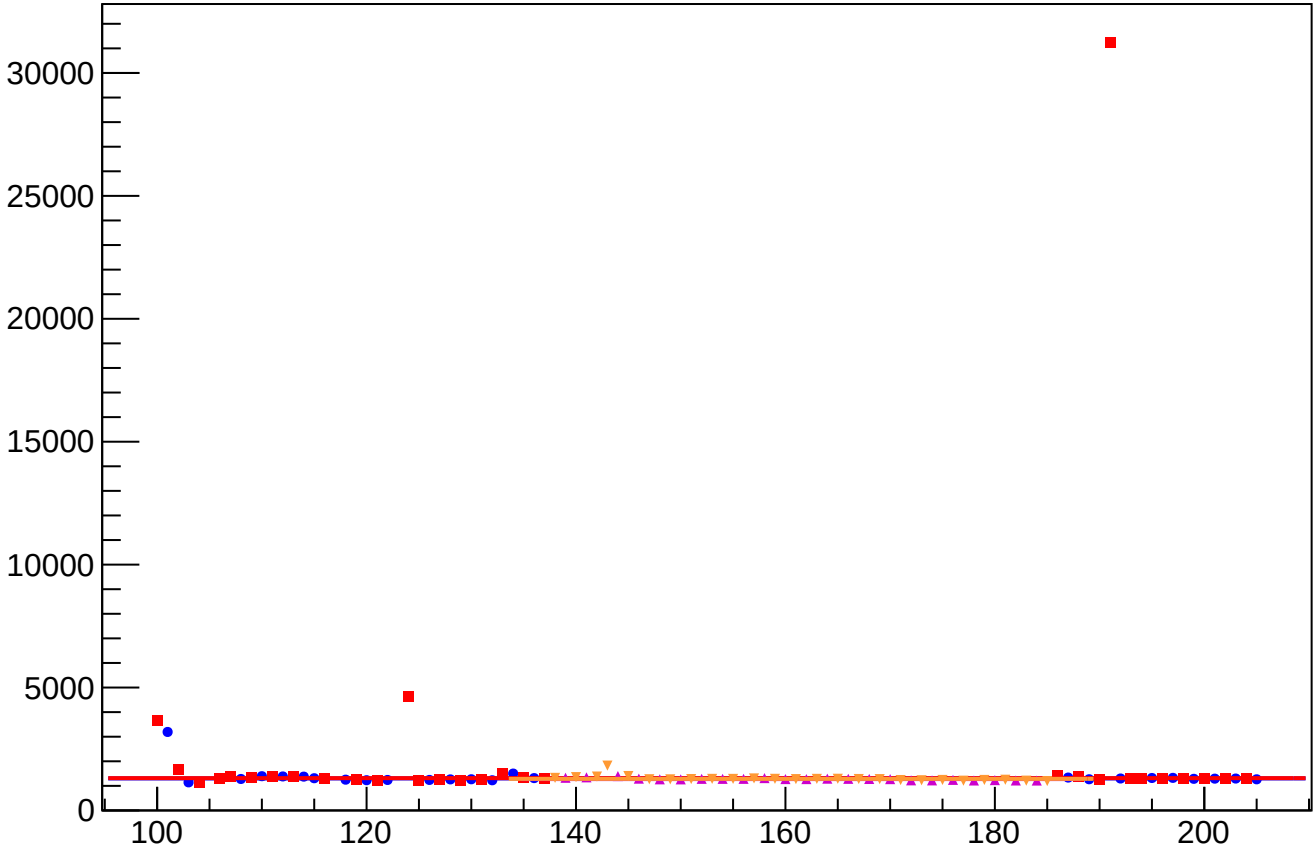
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1834.708+/-224.618 χ^2/NDF: 53.5/49

All: -229.502+/-158.846 χ^2/NDF: 274.3/102

- sign -2294.597+/-224.666 χ^2/NDF: 51.9/52

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

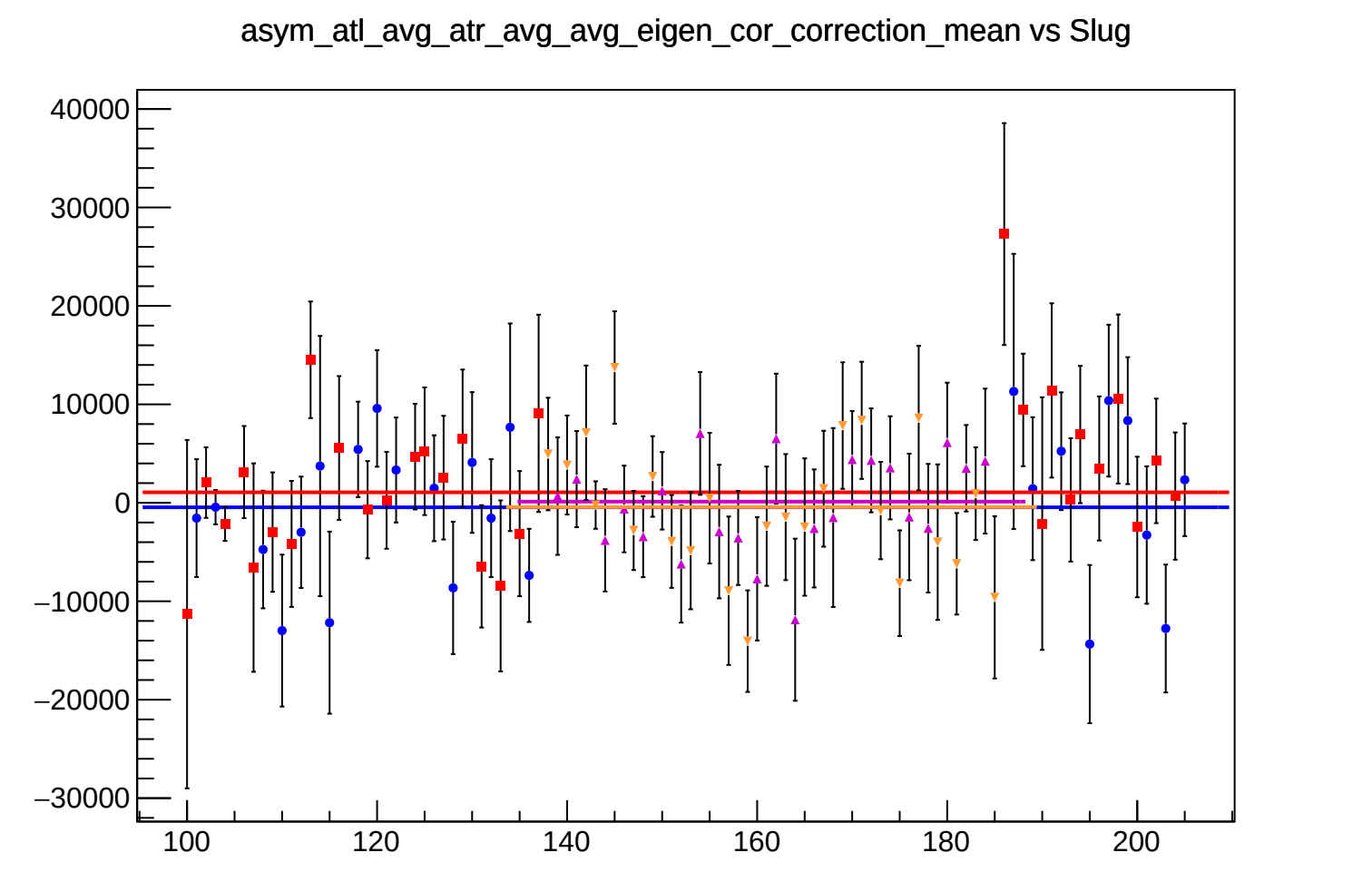
Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.374+/-0.159 χ^2/NDF: 713567.1/49

All: 1292.549+/-0.112 χ^2/NDF: 1259212.8/10

- sign 1292.724+/-0.159 χ^2/NDF: 545643.2/52



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

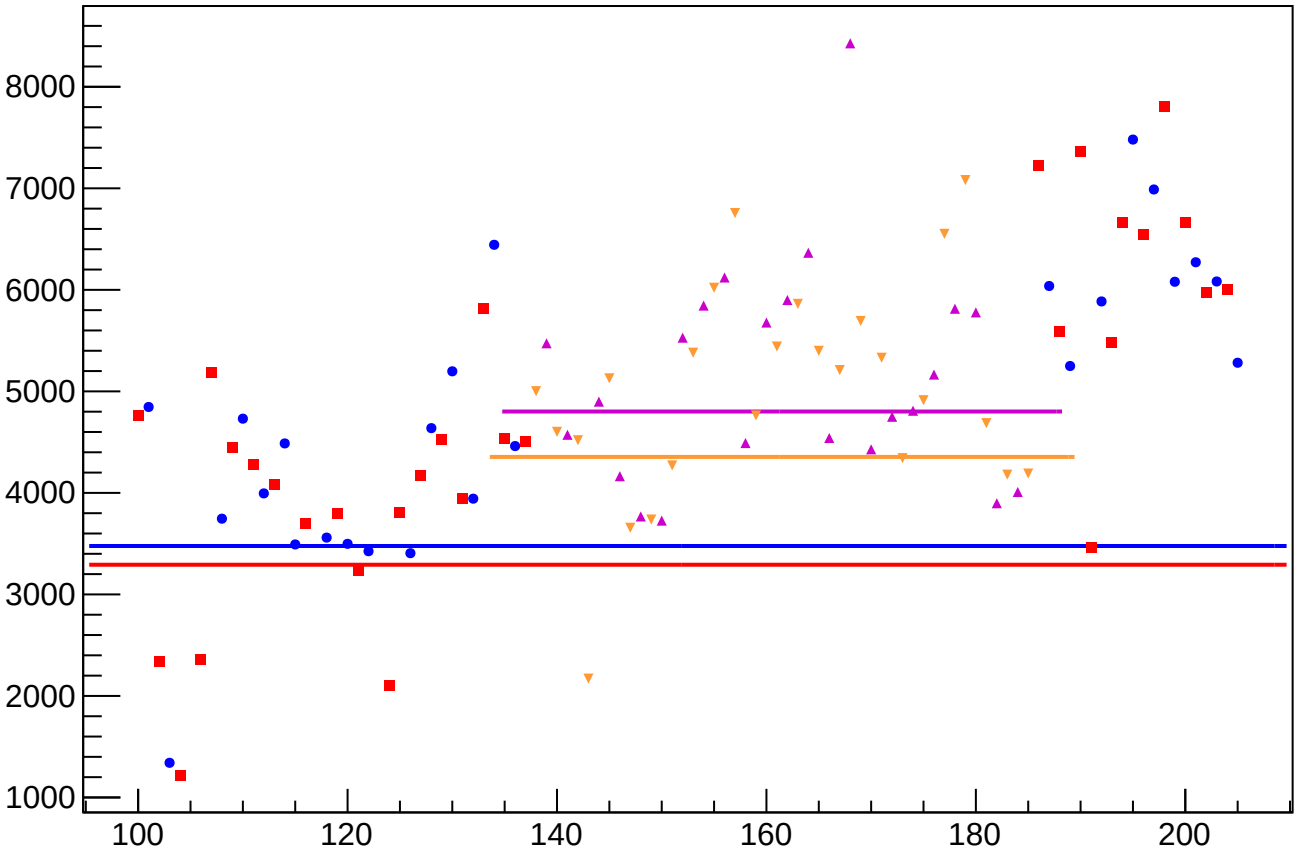
Right Out: 1064.137+/-983.702 χ^2/NDF: 28.4/29

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -442.570+/-739.924 χ^2/NDF: 57.1/49

All: 105.538+/-525.363 χ^2/NDF: 100.5/102

\- sign 662.783+/-746.065 χ^2/NDF: 42.4/52



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

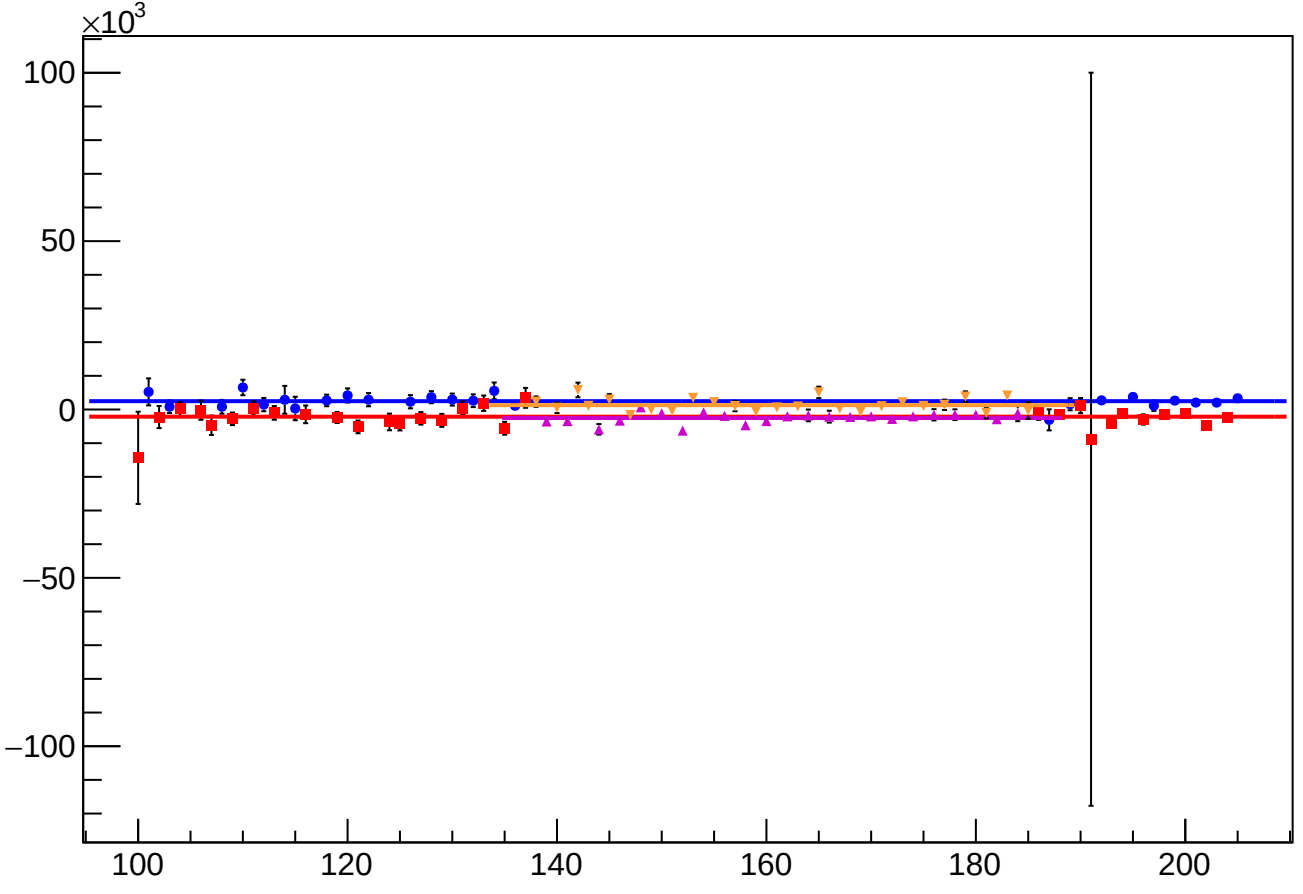
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3922.827+/-0.523 χ^2/NDF: 9995881.0/49

All: 3928.114+/-0.371 χ^2/NDF: 20691242.1/1

- sign 3933.489+/-0.528 χ^2/NDF: 10695155.3/52

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.234+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2130.862+/-349.148 χ^2/NDF: 29.7/29

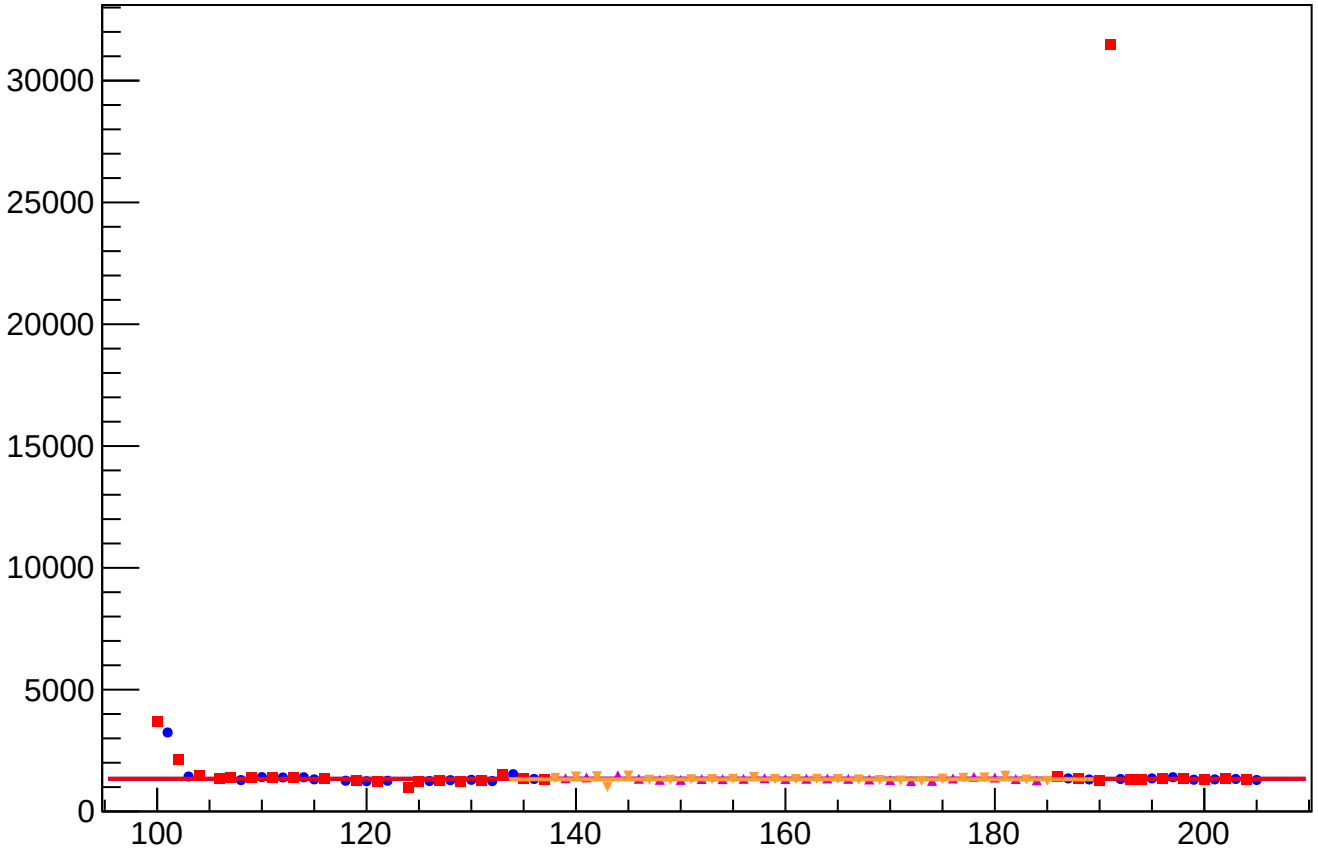
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1771.704+/-230.863 χ^2/NDF: 54.7/49

All: -271.636+/-164.000 χ^2/NDF: 268.3/102

- sign -2353.221+/-233.013 χ^2/NDF: 55.5/52

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1340.559+/-0.255 χ^2/NDF: 503690.2/24

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

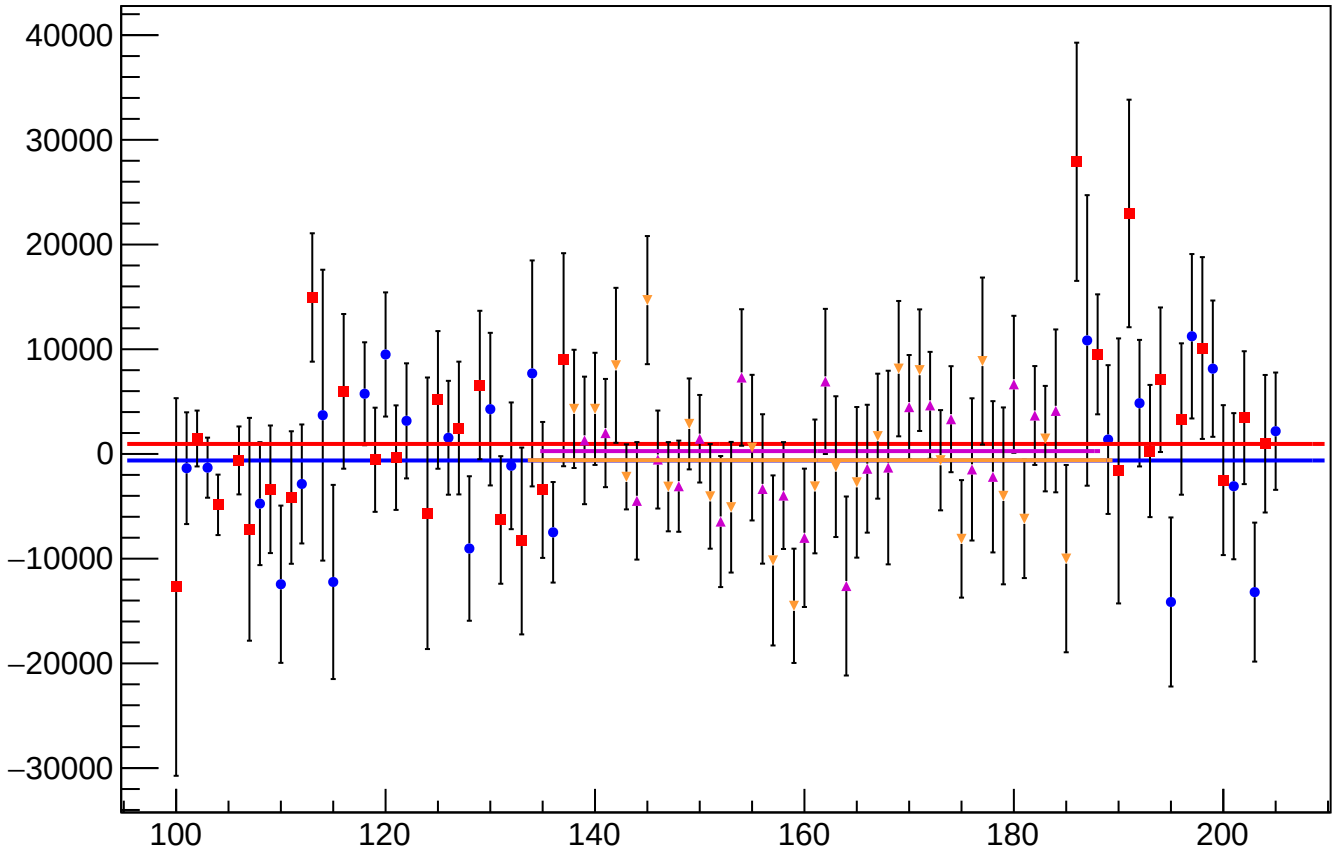
Right Out: 1341.009+/-0.247 χ^2/NDF: 435139.6/29

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1327.349+/-0.163 χ^2/NDF: 756785.8/49

All: 1333.456+/-0.116 χ^2/NDF: 1249050.8/10

- sign 1339.675+/-0.165 χ^2/NDF: 489440.8/52



Right In: -623.125+/-1204.179 χ^2/NDF: 27.1/24

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

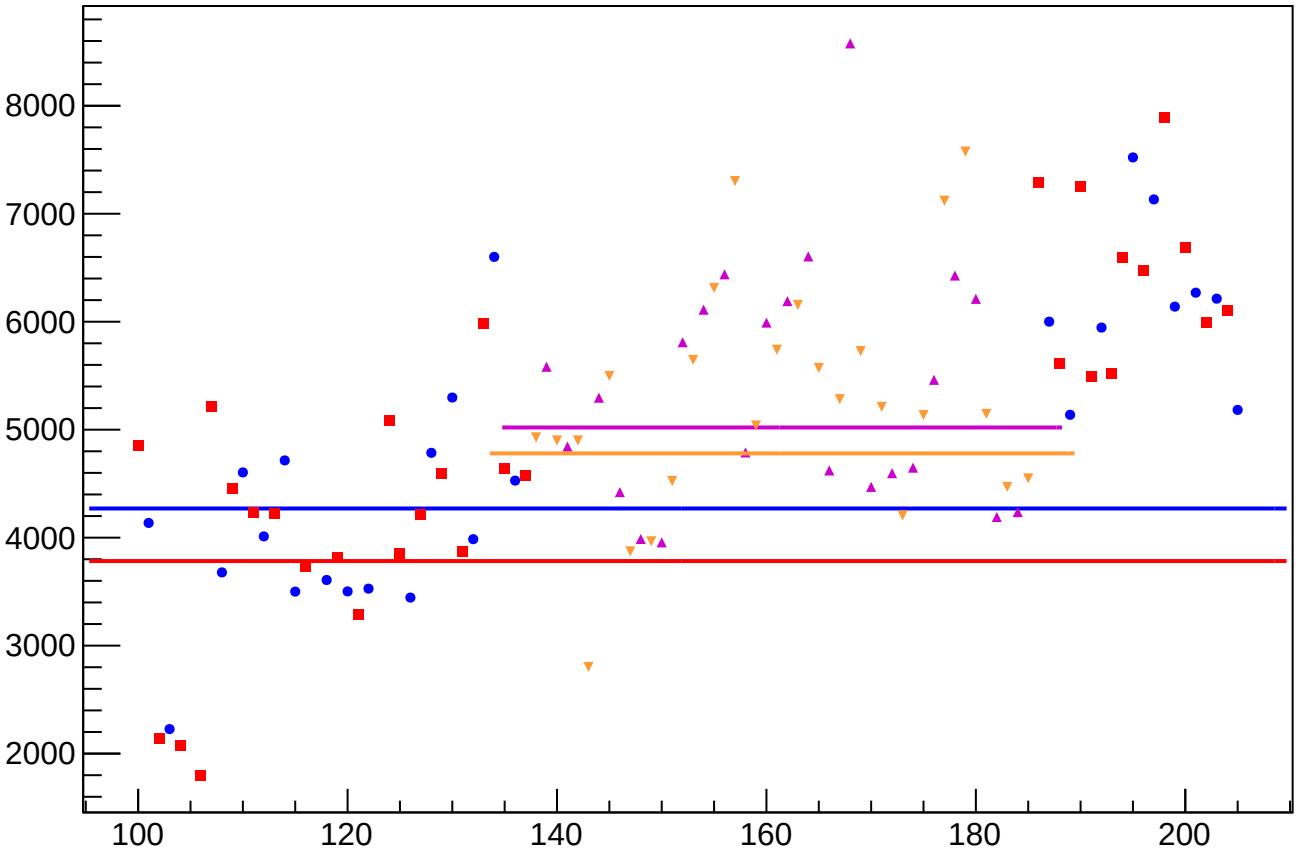
Right Out: 956.369+/-1059.718 χ^2/NDF: 31.8/29

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -608.029+/-821.002 χ^2/NDF: 56.6/49

All: 45.601+/-570.525 χ^2/NDF: 103.3/102

- sign 656.010+/-793.394 χ^2/NDF: 45.4/52



Right In: 4270.097+/-0.851 χ^2/NDF: 2724938.8/24

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3783.417+/-0.749 χ^2/NDF: 5166679.6/29

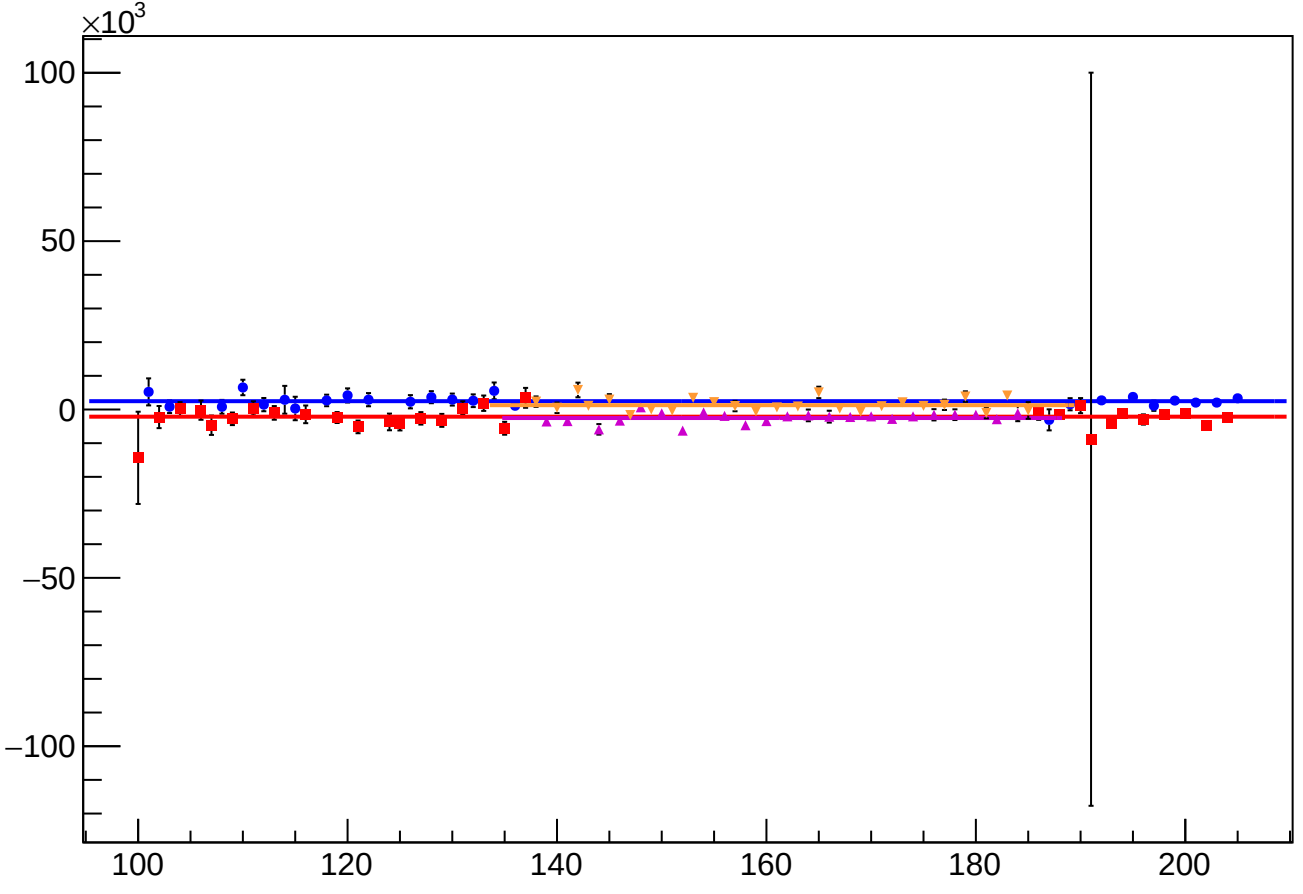
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4543.187+/-0.581 χ^2/NDF: 4923395.1/49

All: 4431.453+/-0.403 χ^2/NDF: 12584704.8/1

- sign 4327.107+/-0.561 χ^2/NDF: 7589671.8/52

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.231+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2130.861+/-349.148 χ^2/NDF: 29.7/29

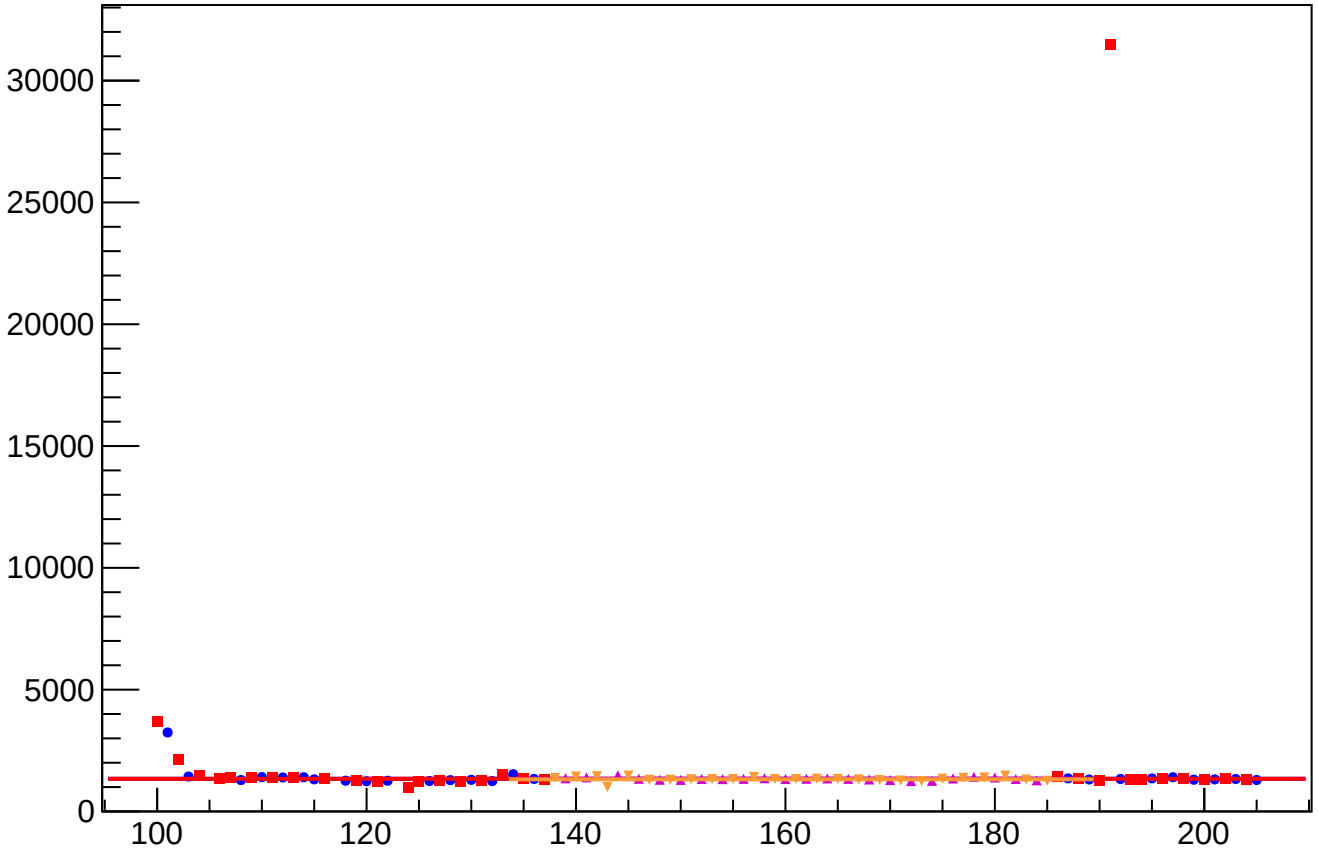
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1771.700+/-230.863 χ^2/NDF: 54.7/49

All: -271.637+/-164.000 χ^2/NDF: 268.3/102

- sign -2353.221+/-233.013 χ^2/NDF: 55.5/52

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1340.558+/-0.255 χ^2/NDF: 503690.5/24

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

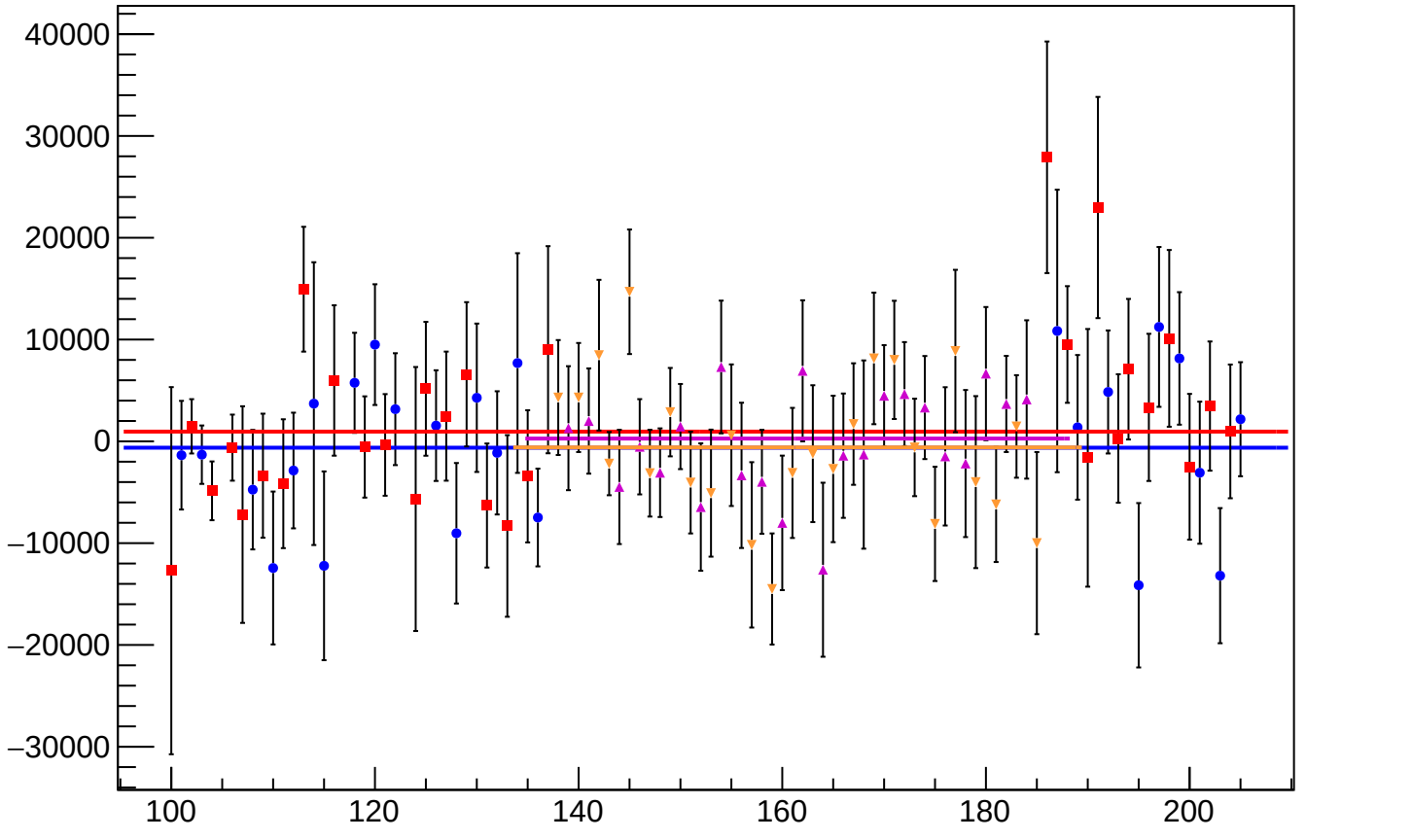
Right Out: 1341.009+/-0.247 χ^2/NDF: 435138.5/29

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1327.350+/-0.163 χ^2/NDF: 756788.0/49

All: 1333.457+/-0.116 χ^2/NDF: 1249054.4/10

- sign 1339.676+/-0.165 χ^2/NDF: 489442.2/52



Right In: -623.119+/-1204.177 χ^2/NDF: 27.1/24

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

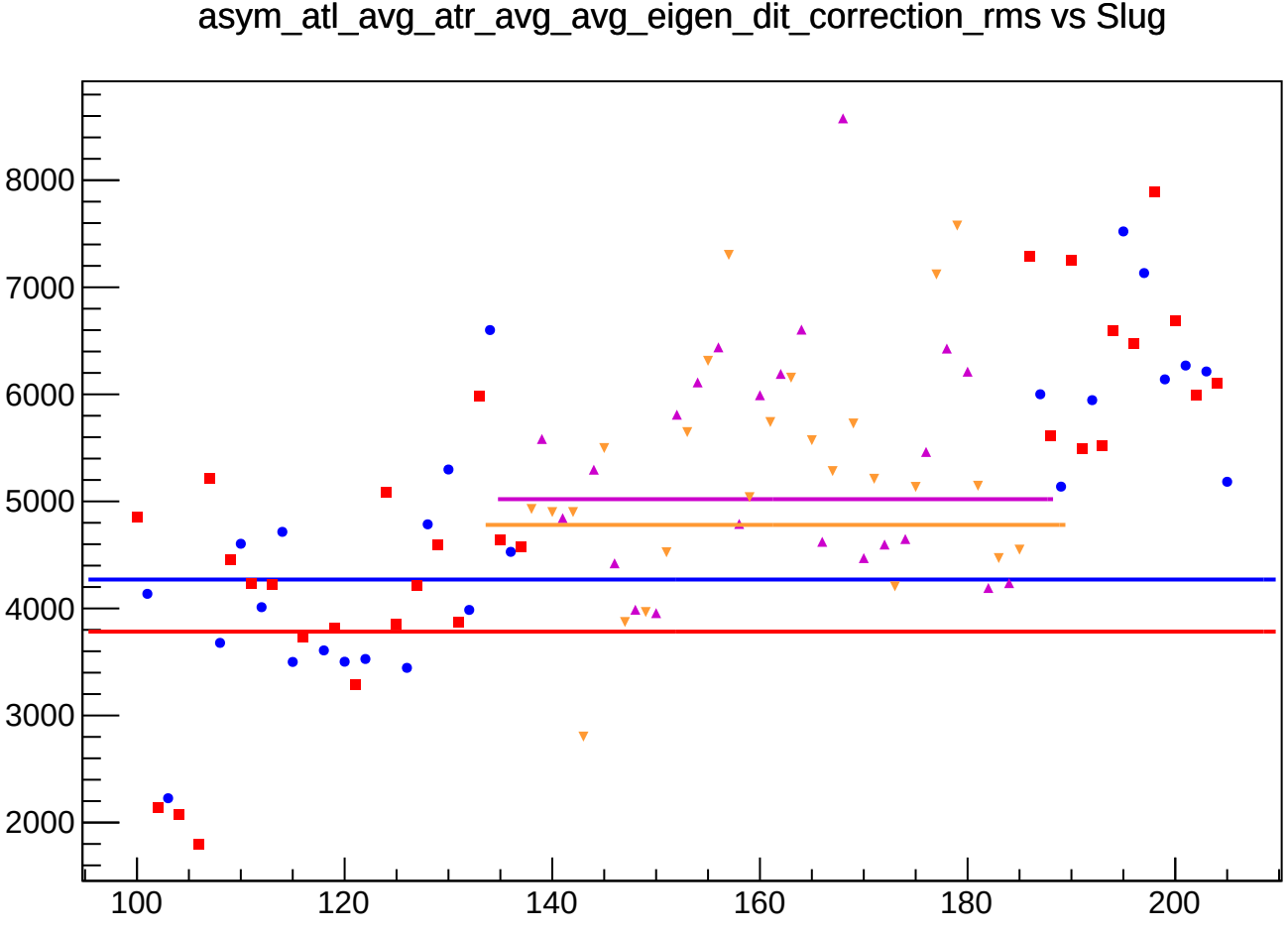
Right Out: 956.363+/-1059.716 χ^2/NDF: 31.8/29

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -608.028+/-821.002 χ^2/NDF: 56.6/49

All: 45.601+/-570.525 χ^2/NDF: 103.3/102

- sign 656.008+/-793.394 χ^2/NDF: 45.4/52



Right In: 4270.089+/-0.851 χ^2/NDF: 2724964.7/24

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3783.408+/-0.749 χ^2/NDF: 5166712.1/29

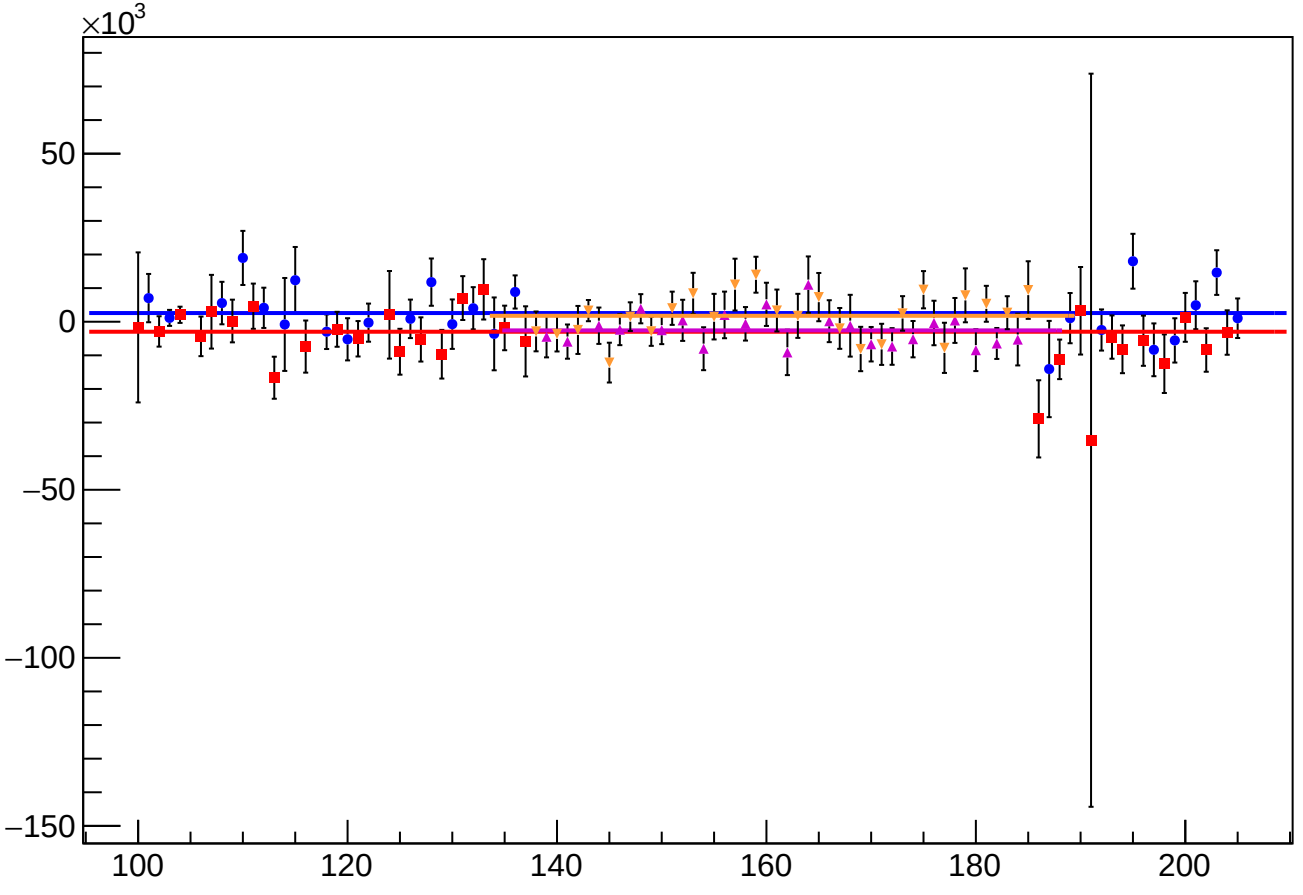
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4543.187+/-0.581 χ^2/NDF: 4923434.0/49

All: 4431.450+/-0.403 χ^2/NDF: 12584814.2/1

- sign 4327.103+/-0.561 χ^2/NDF: 7589739.9/52

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2583.628+/-1201.356 χ^2/NDF: 25.8/24

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2977.541+/-1160.460 χ^2/NDF: 28.2/29

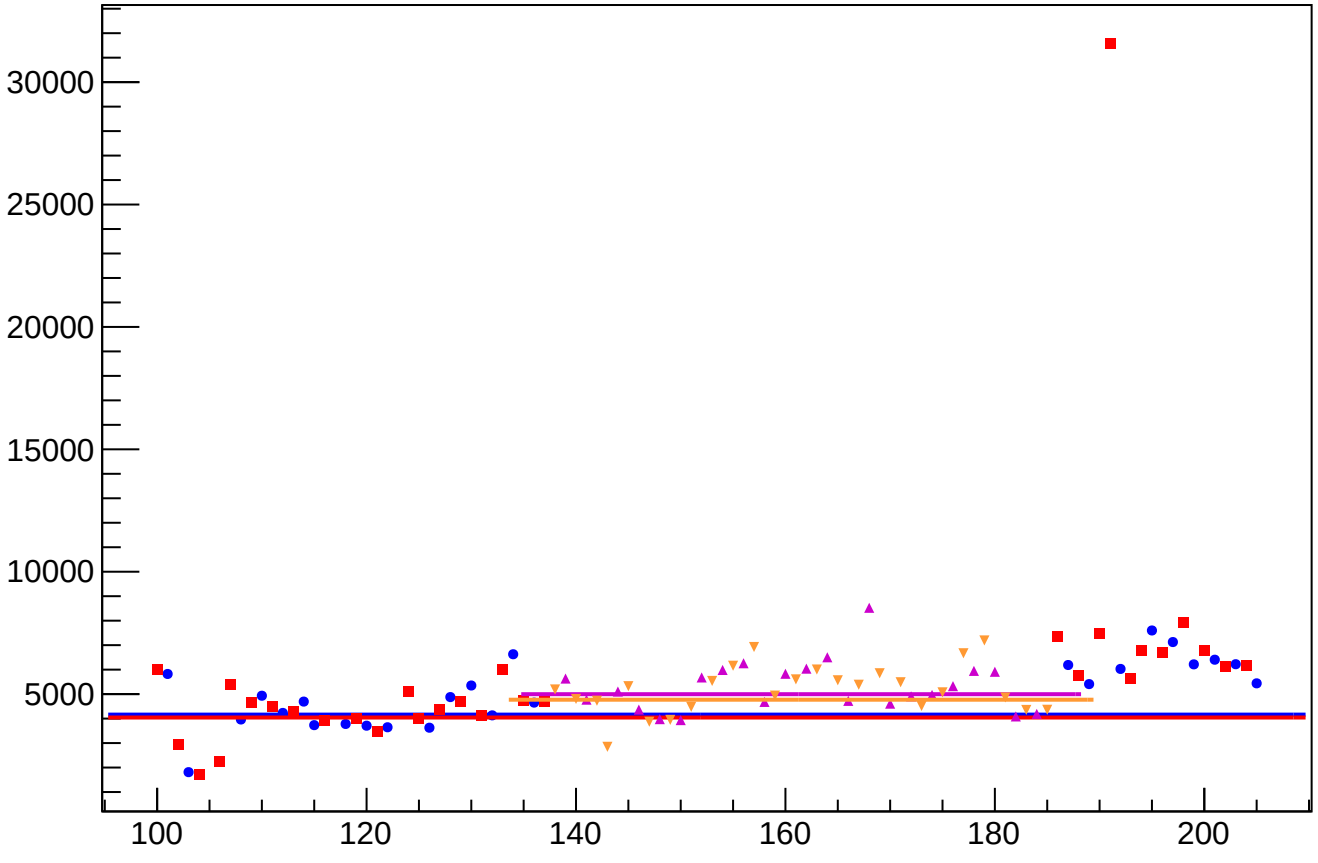
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2142.506+/-817.734 χ^2/NDF: 53.7/49

All: -282.970+/-582.613 χ^2/NDF: 113.1/102

- sign -2783.487+/-830.287 χ^2/NDF: 41.5/52

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4162.300+/-0.849 χ^2/NDF: 3934672.0/24

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

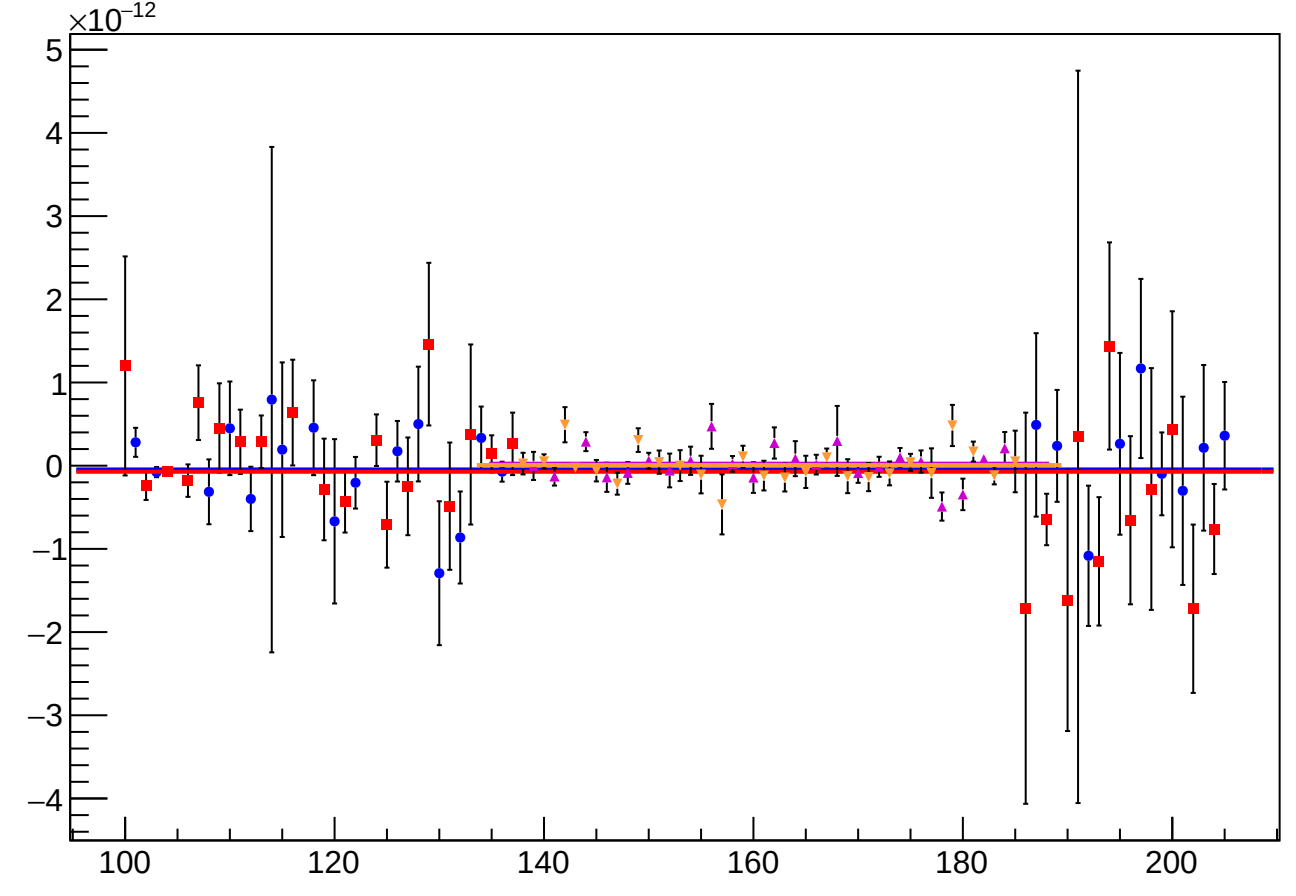
Right Out: 4043.581+/-0.812 χ^2/NDF: 4912171.4/29

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4489.072+/-0.578 χ^2/NDF: 5997475.6/49

All: 4496.384+/-0.411 χ^2/NDF: 12671066.8/1

- sign 4503.842+/-0.584 χ^2/NDF: 6673268.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

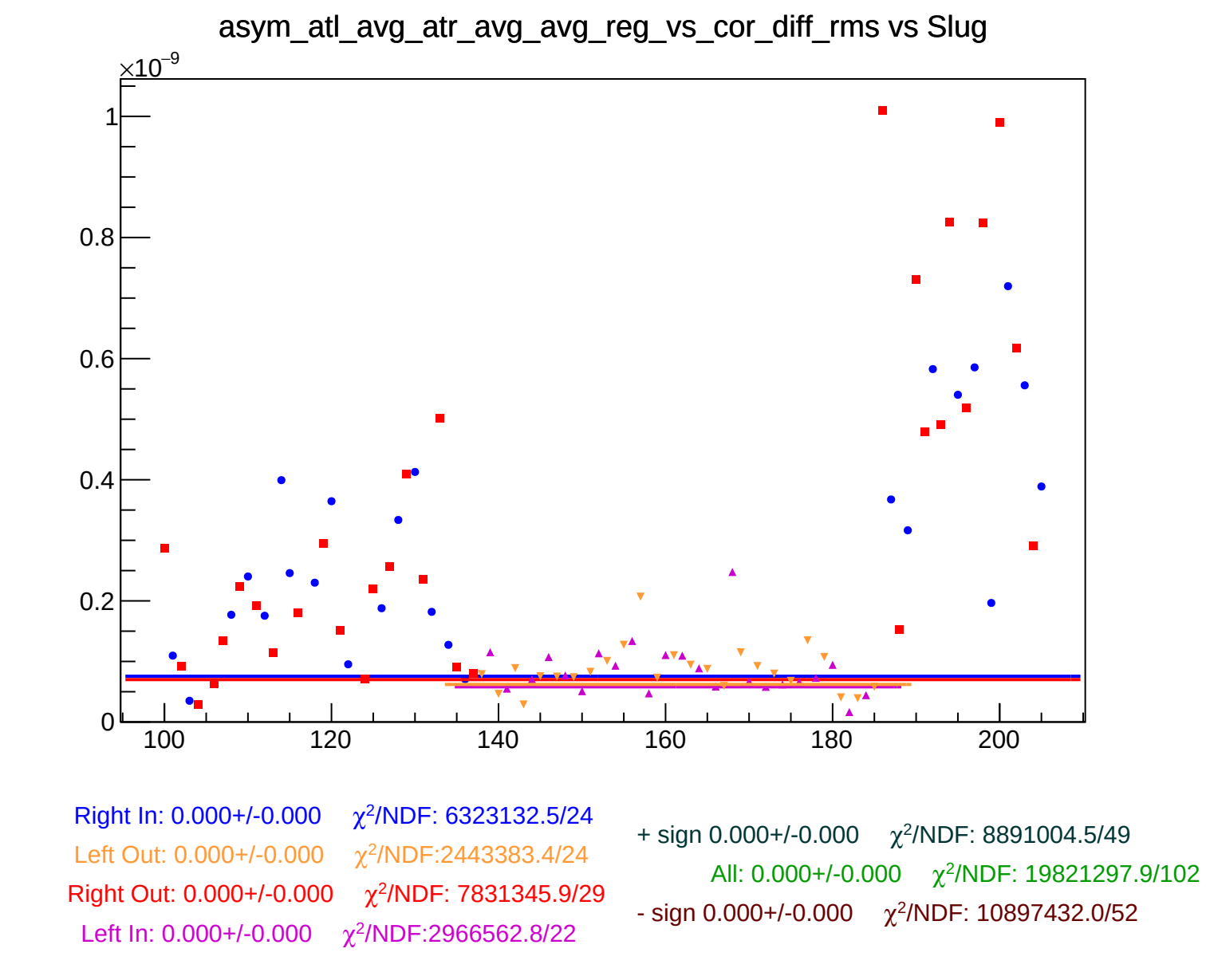
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/29

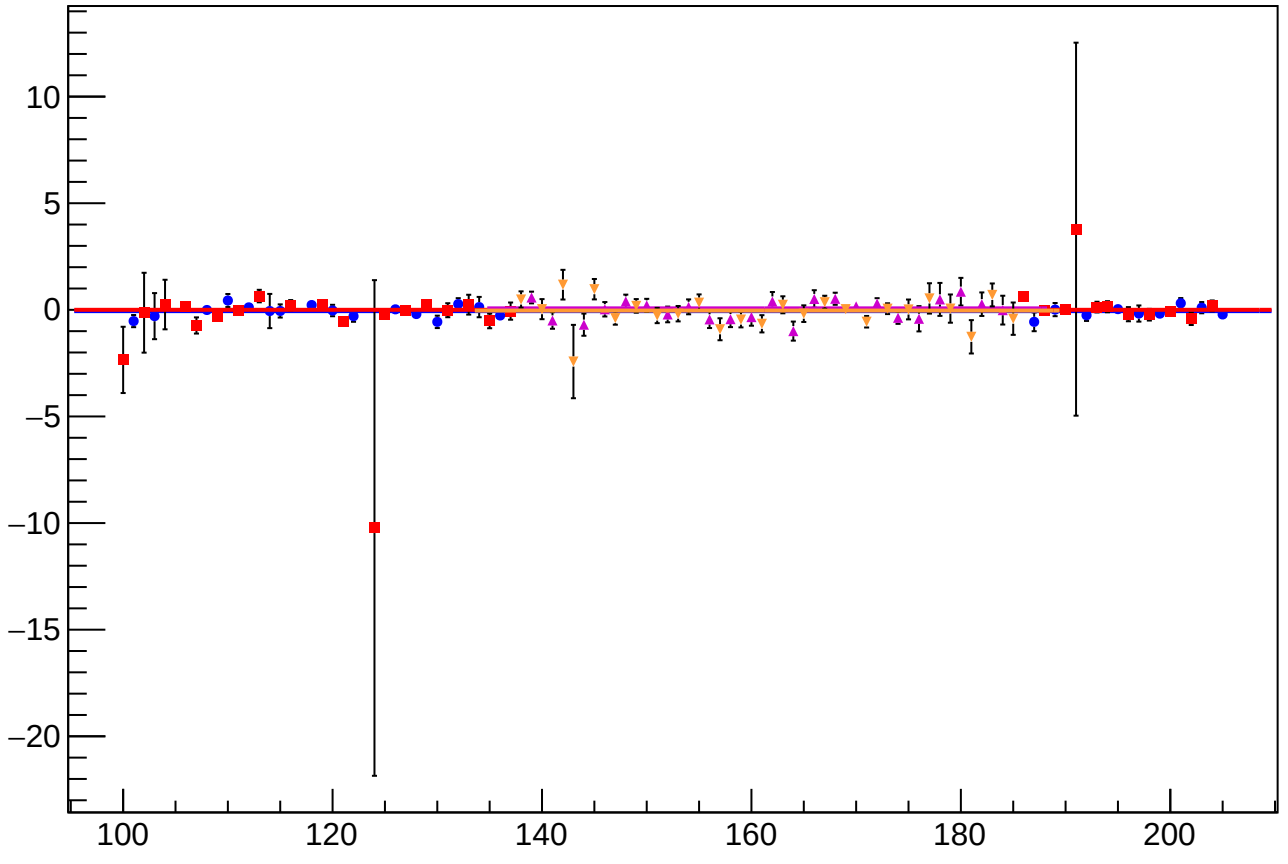
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/49

All: -0.000+/-0.000 χ^2/NDF: 112.5/102

- sign 0.000+/-0.000 χ^2/NDF: 66.9/52


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6323132.5/24
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 7831345.9/29
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 8891004.5/49
All: 0.000+/-0.000 χ²/NDF: 19821297.9/102
- sign 0.000+/-0.000 χ²/NDF: 10897432.0/52



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

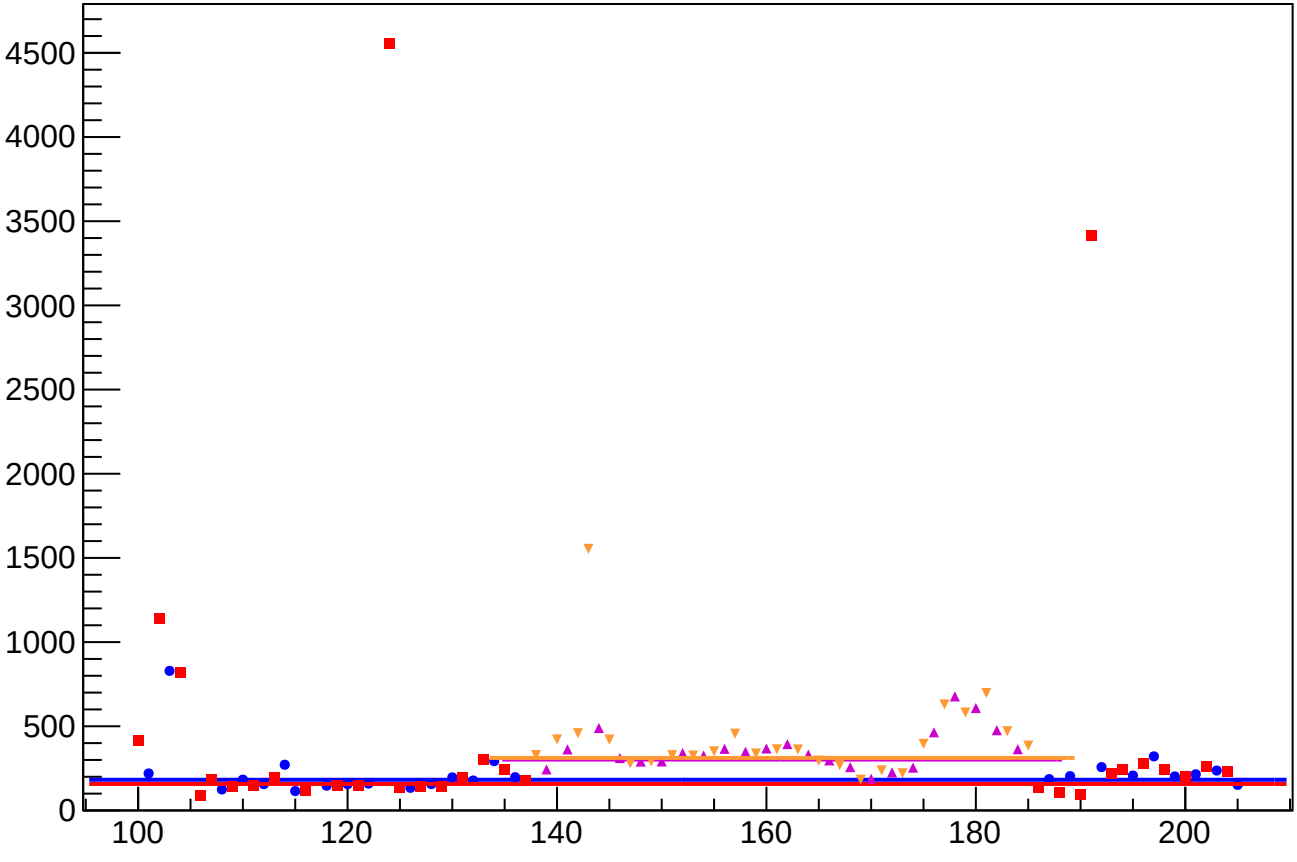
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.013+/-0.029 χ^2/NDF: 125.2/102

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

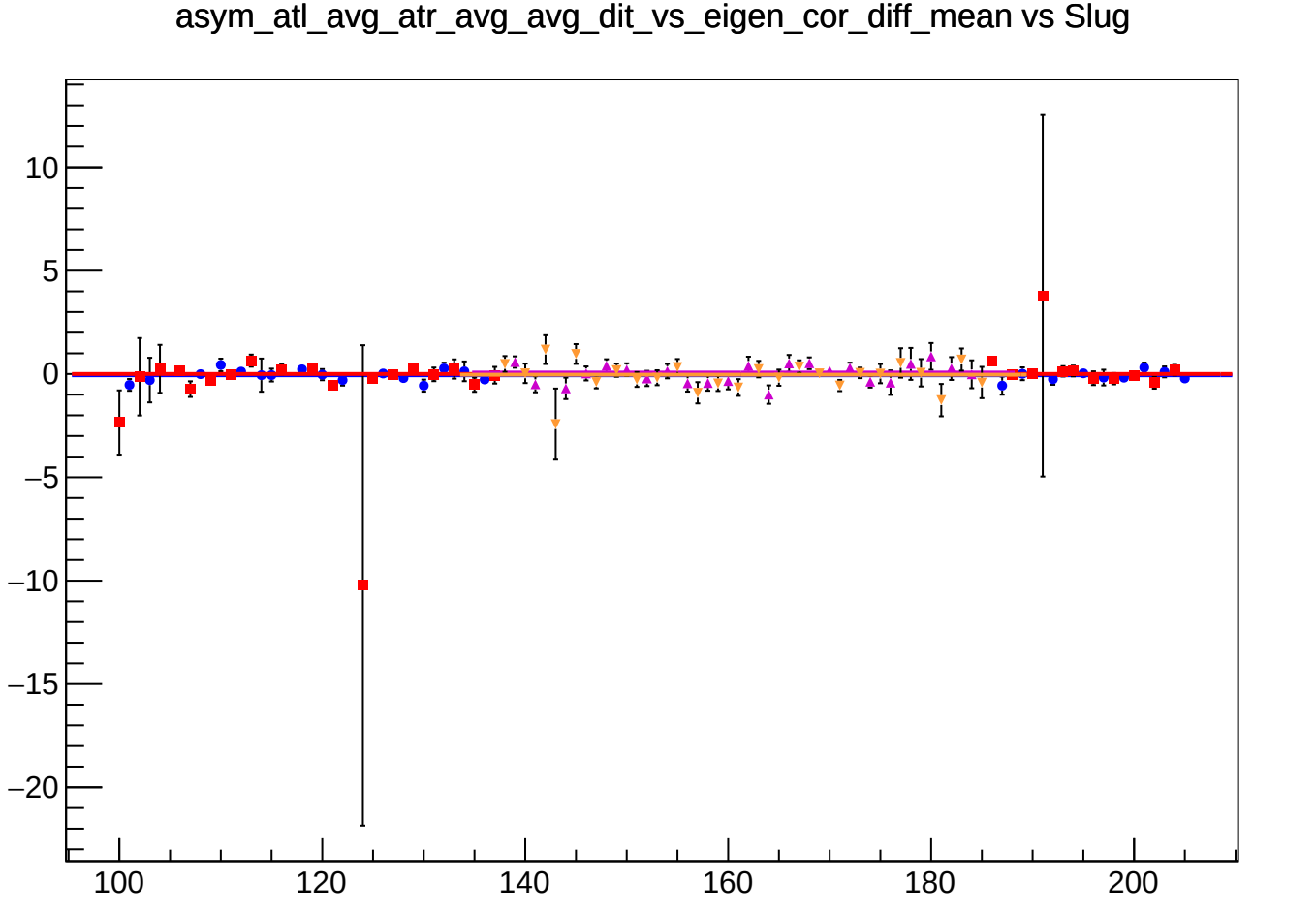
Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 223.704+/-0.031 χ^2/NDF: 10293815.3/49

All: 209.018+/-0.021 χ^2/NDF: 23600278.2/10

- sign 197.019+/-0.028 χ^2/NDF: 12888777.0/52



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

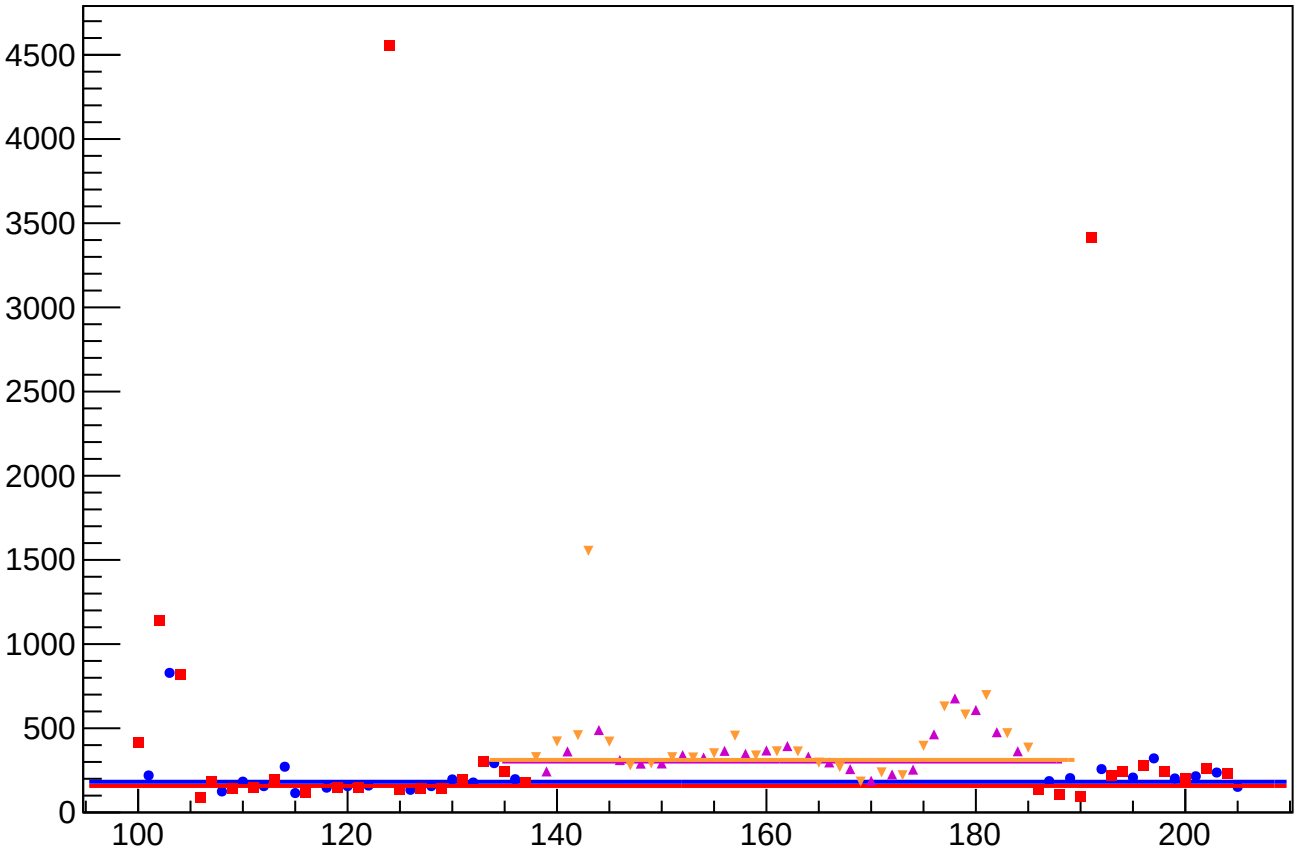
Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.013+/-0.029 χ^2/NDF: 125.2/102

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

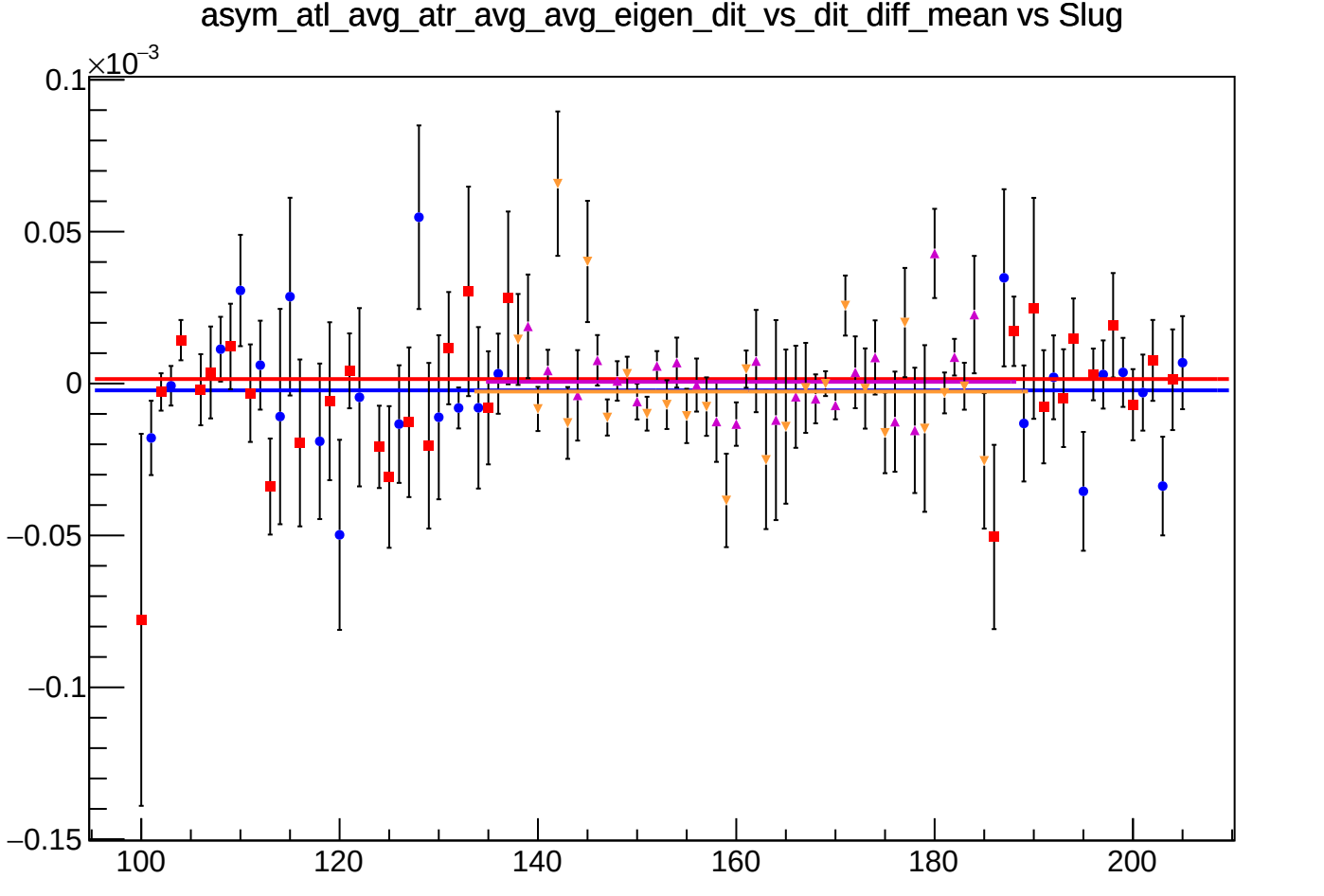
Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 223.704+/-0.031 χ^2/NDF: 10293815.3/49

All: 209.018+/-0.021 χ^2/NDF: 23600278.2/10

- sign 197.019+/-0.028 χ^2/NDF: 12888777.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

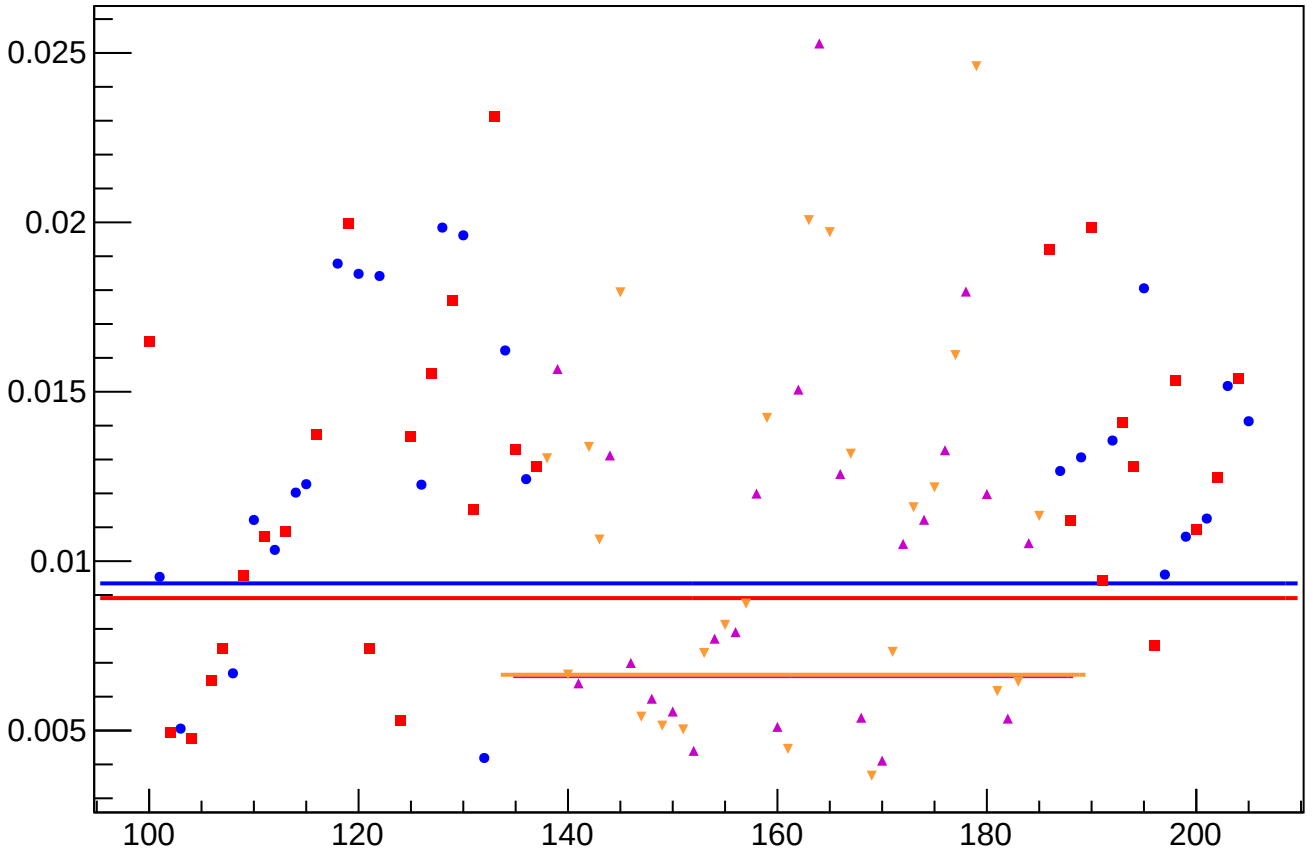
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/29

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/49

All: -0.000+/-0.000 χ^2/NDF: 125.7/102

- sign 0.000+/-0.000 χ^2/NDF: 55.5/52



Right In: 0.009+/-0.000 χ^2/NDF: 4887055.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

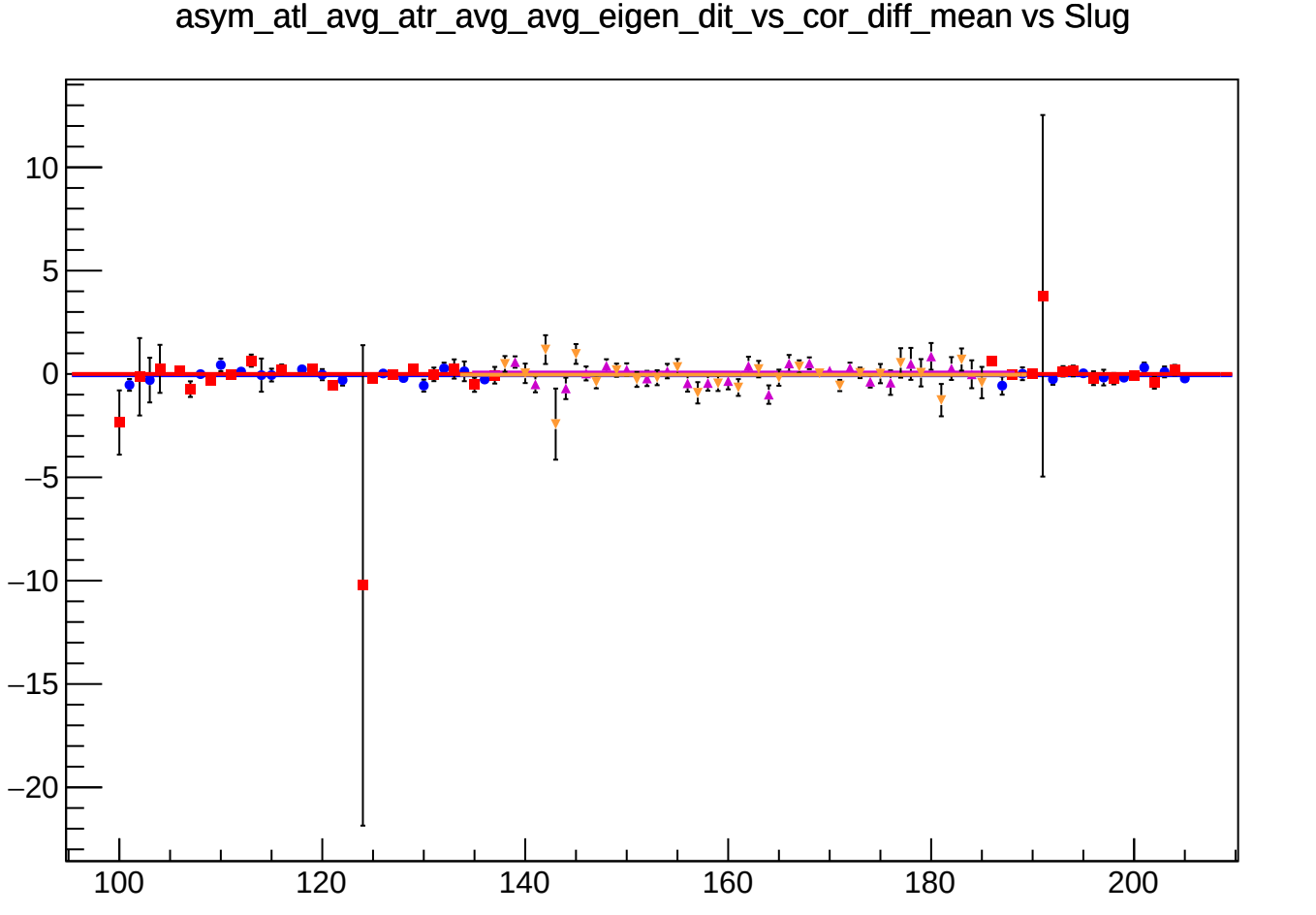
Right Out: 0.009+/-0.000 χ^2/NDF: 5079640.4/29

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 13746558.2/49

All: 0.007+/-0.000 χ^2/NDF: 25798252.6/102

- sign 0.007+/-0.000 χ^2/NDF: 12051250.2/52



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

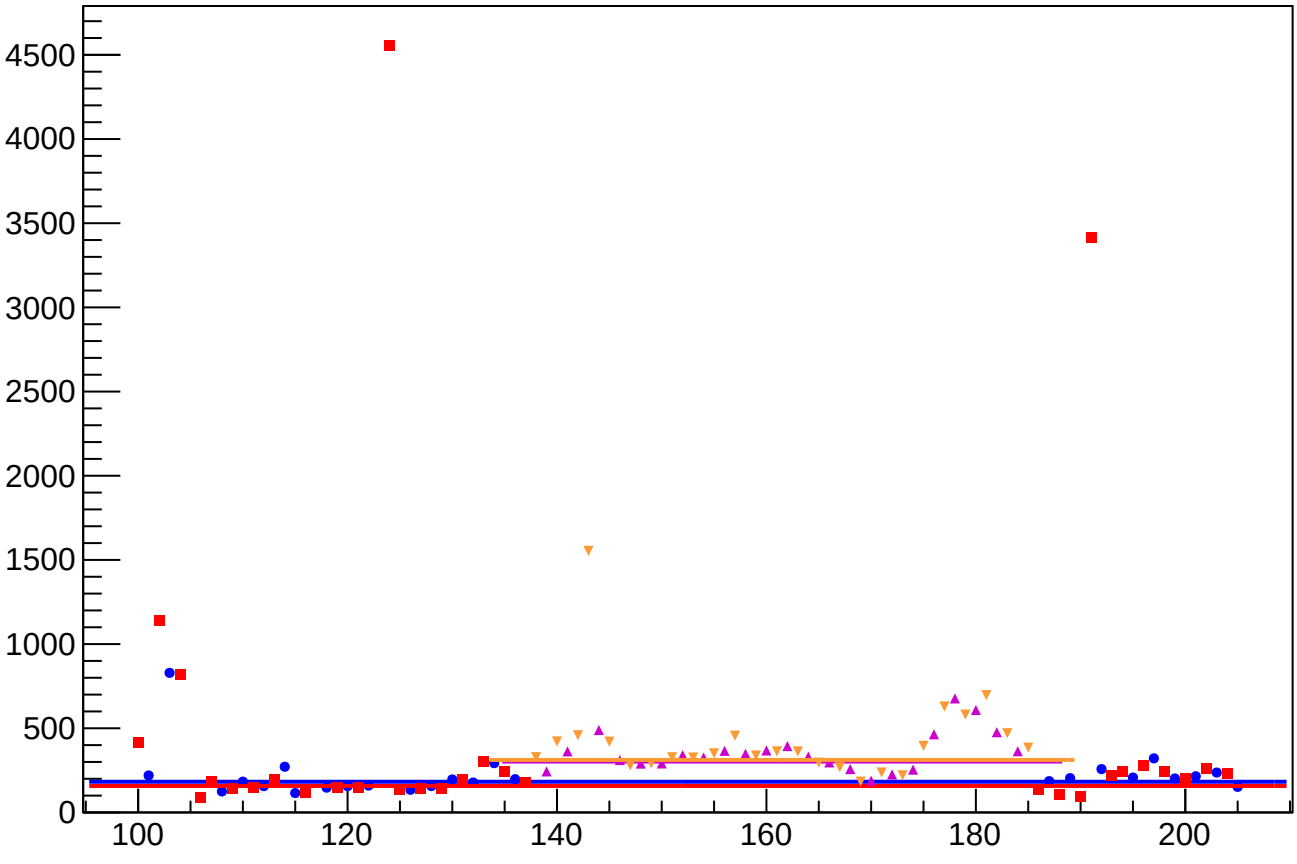
Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.013+/-0.029 χ^2/NDF: 125.2/102

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

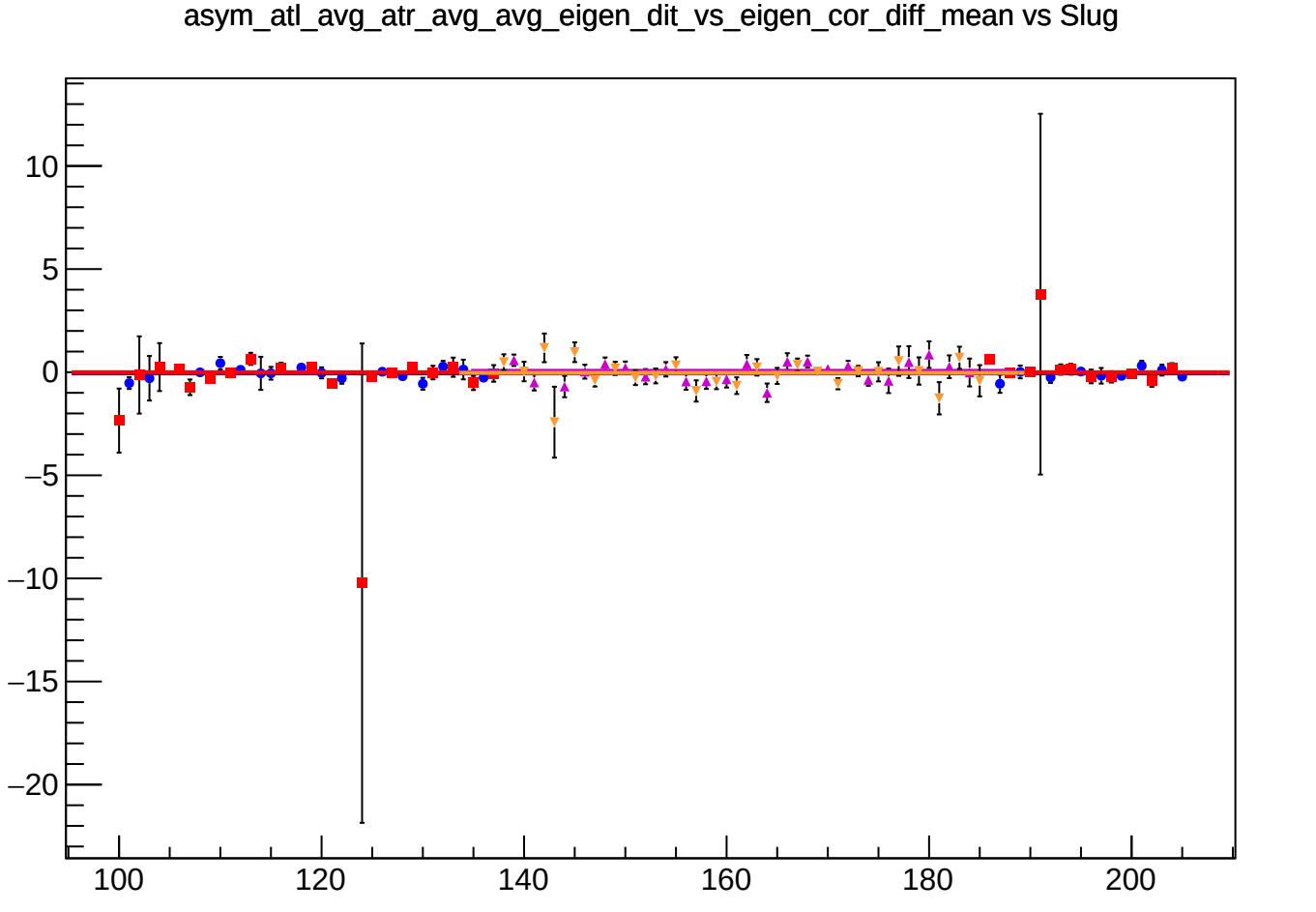
Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 223.703+/-0.031 χ^2/NDF: 10294098.5/49

All: 209.016+/-0.021 χ^2/NDF: 23601345.7/10

- sign 197.016+/-0.028 χ^2/NDF: 12889483.4/52



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

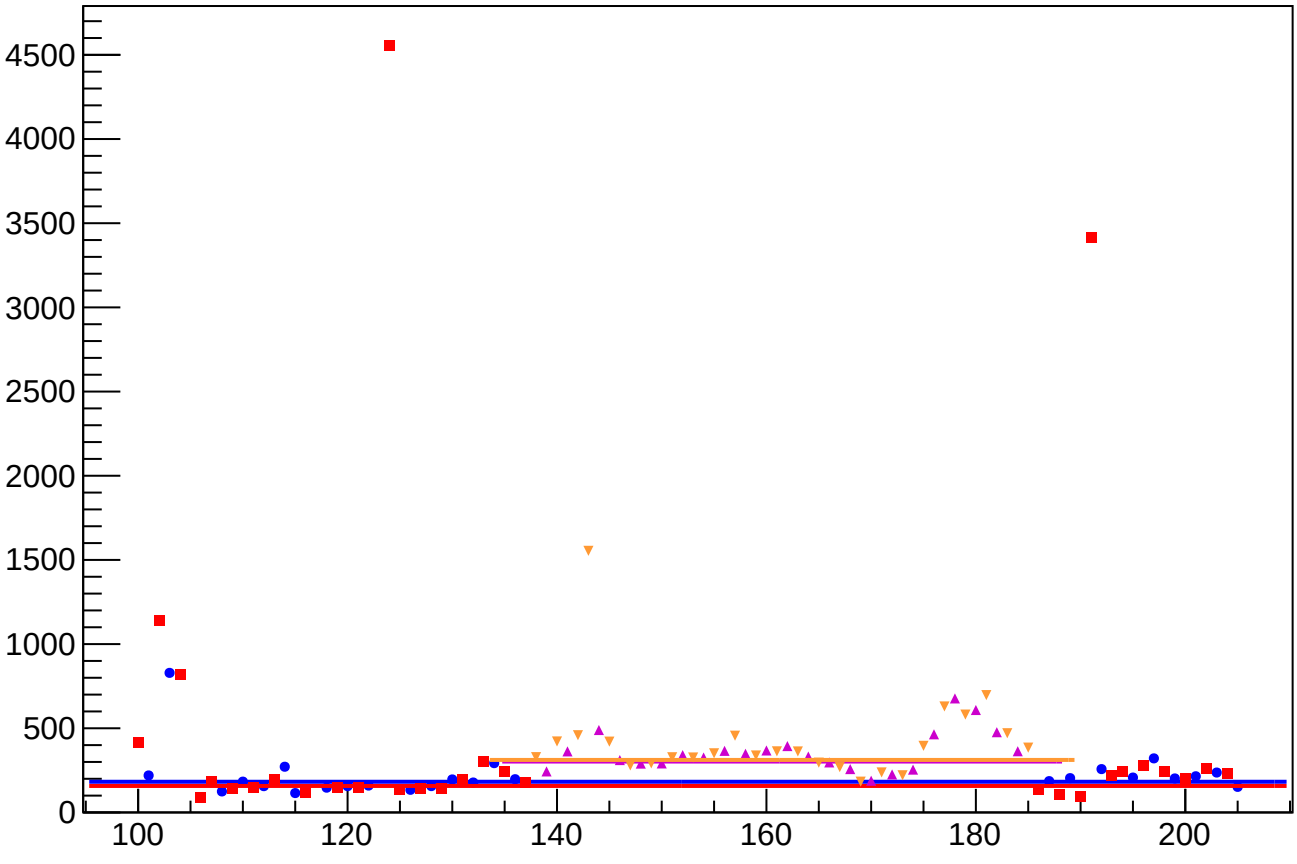
Right Out: 0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.013+/-0.029 χ^2/NDF: 125.2/102

- sign 0.020+/-0.039 χ^2/NDF: 70.3/52



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

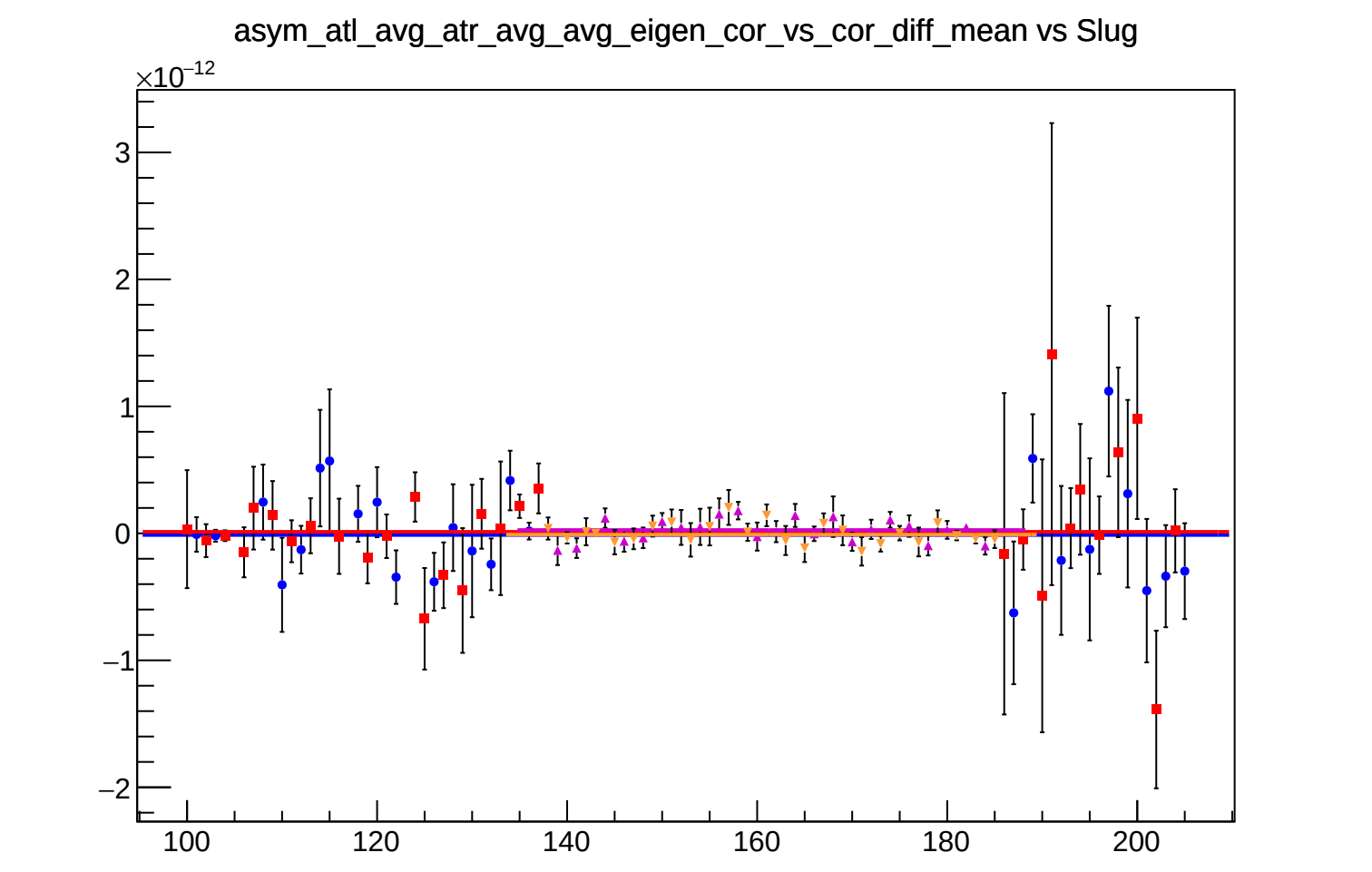
Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 223.703+/-0.031 χ^2/NDF: 10294098.5/49

All: 209.016+/-0.021 χ^2/NDF: 23601345.7/10

- sign 197.016+/-0.028 χ^2/NDF: 12889483.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

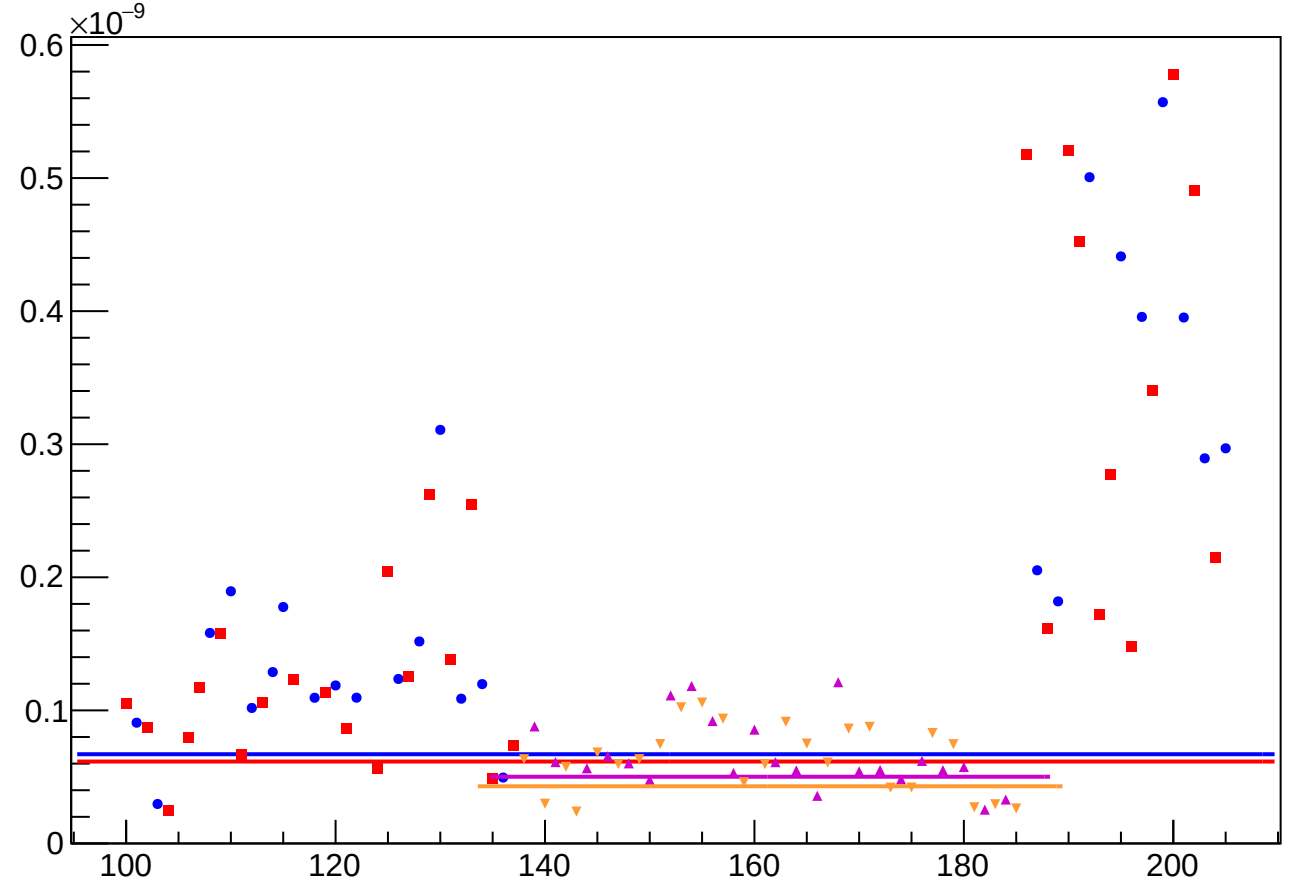
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/49

All: 0.000+/-0.000 χ^2/NDF: 100.1/102

- sign 0.000+/-0.000 χ^2/NDF: 55.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 8525368.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7881426.3/29

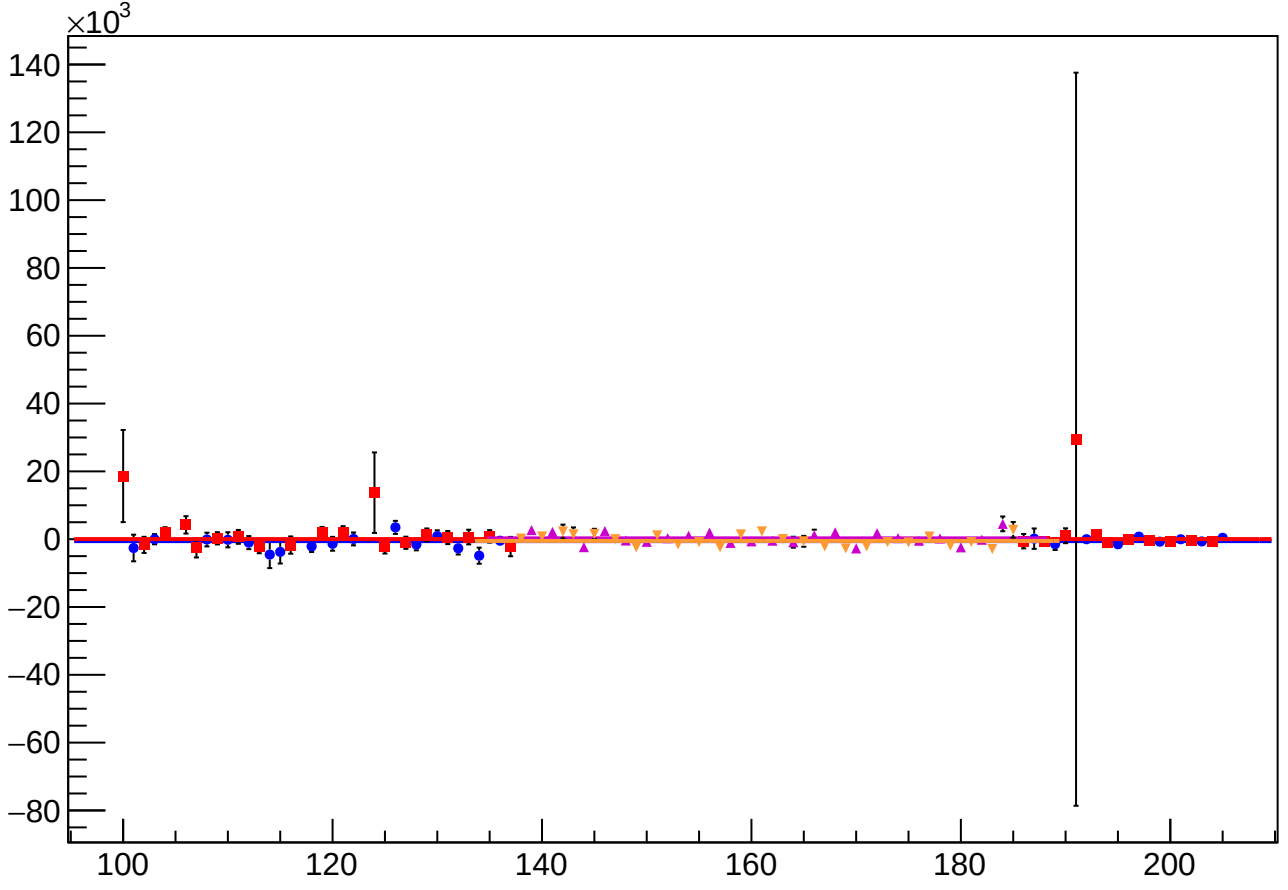
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14548344.1/49

All: 0.000+/-0.000 χ^2/NDF: 26467895.6/102

- sign 0.000+/-0.000 χ^2/NDF: 11715934.1/52

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 28.225+/-335.351 χ^2/NDF: 18.9/29

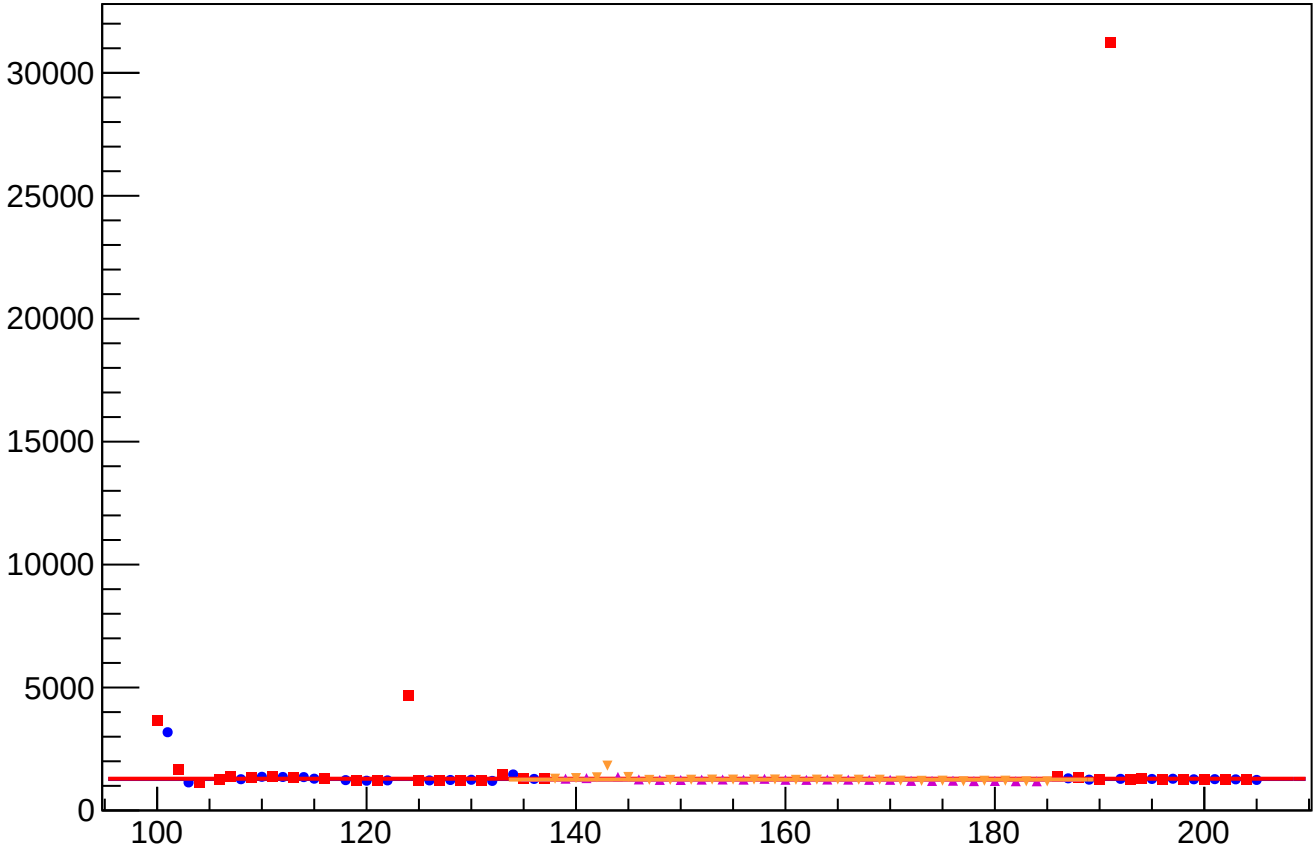
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -536.250+/-219.862 χ^2/NDF: 47.1/49

All: -192.869+/-155.465 χ^2/NDF: 103.2/102

- sign 150.505+/-219.859 χ^2/NDF: 51.2/52

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

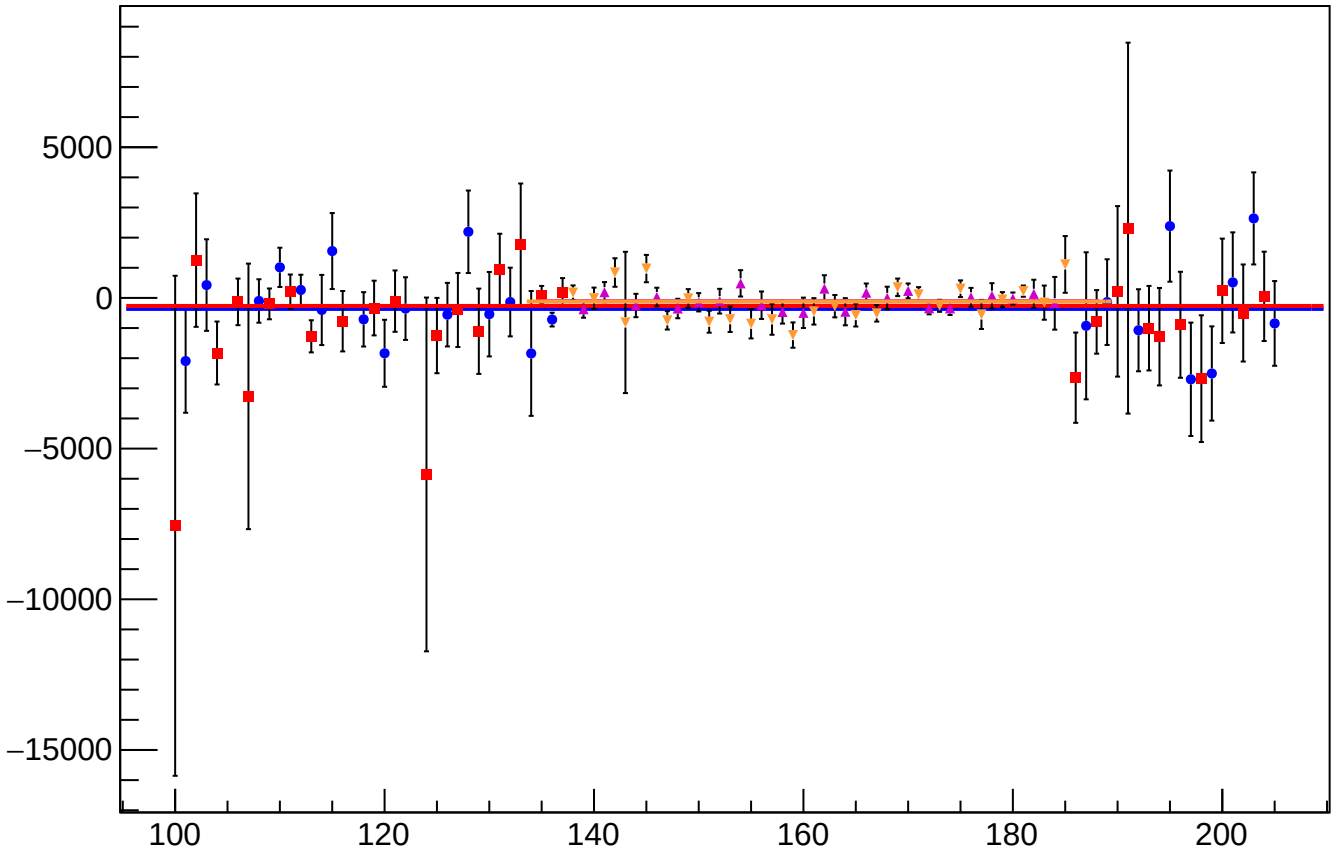
Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729750.9/49

All: 1265.272+/-0.110 χ^2/NDF: 1282173.5/10

- sign 1265.607+/-0.155 χ^2/NDF: 552413.3/52



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

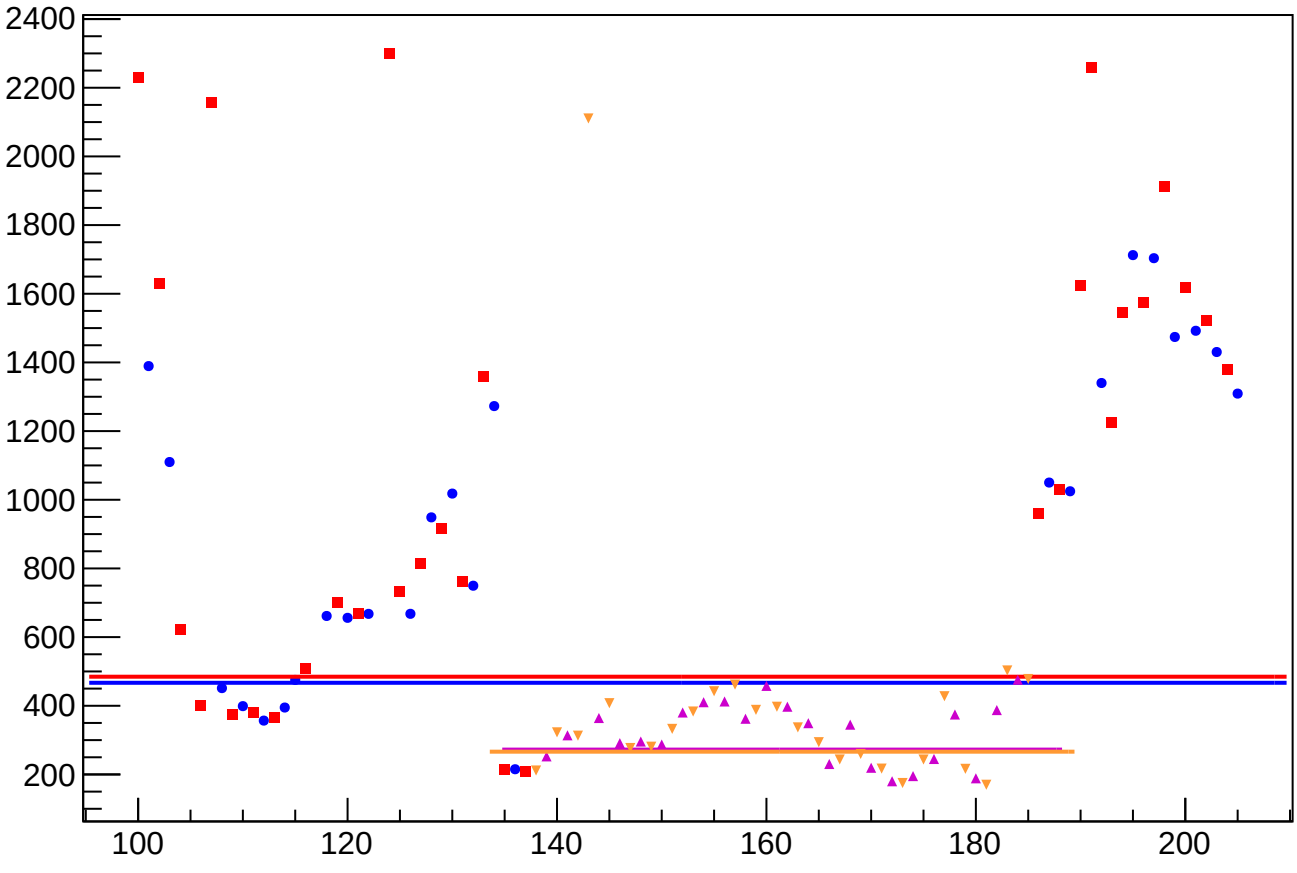
Right Out: -266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -151.991+/-60.293 χ^2/NDF: 78.9/49

All: -141.759+/-43.164 χ^2/NDF: 113.6/102

- sign -131.000+/-61.822 χ^2/NDF: 34.7/52



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

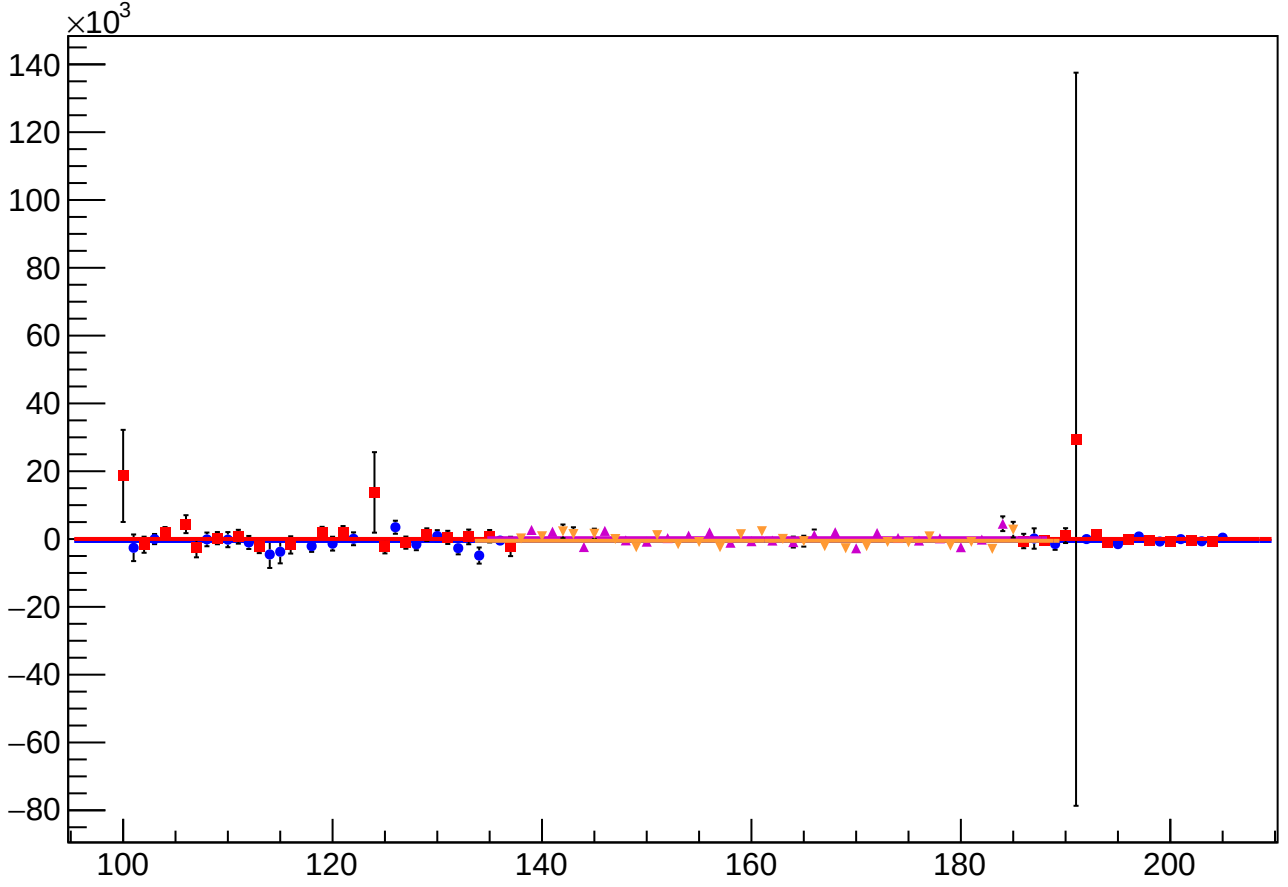
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 294.642+/-0.043 χ^2/NDF: 18205185.9/49

All: 299.165+/-0.031 χ^2/NDF: 35620579.1/10

- sign 303.921+/-0.044 χ^2/NDF: 17392301.9/52

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

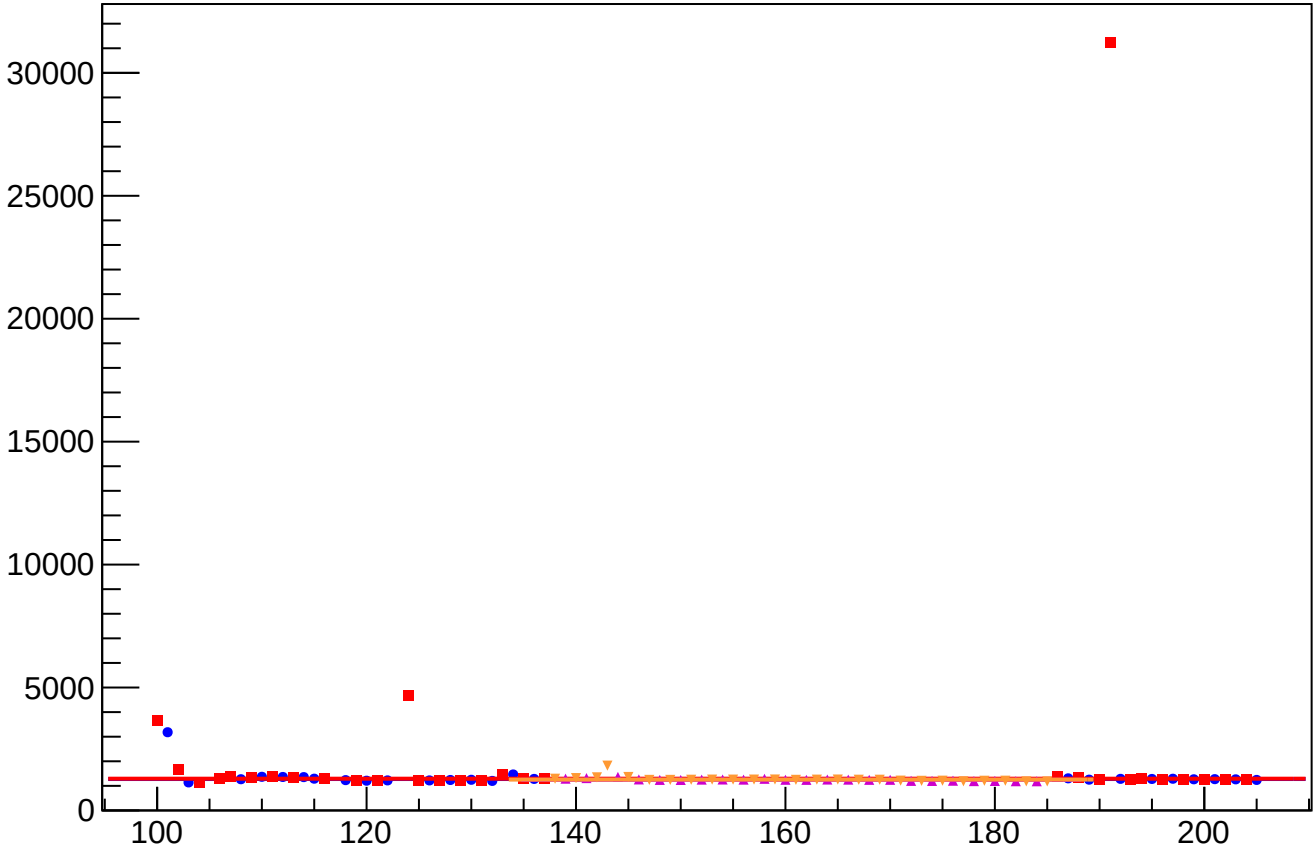
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -193.216+/-155.482 χ^2/NDF: 103.2/102

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

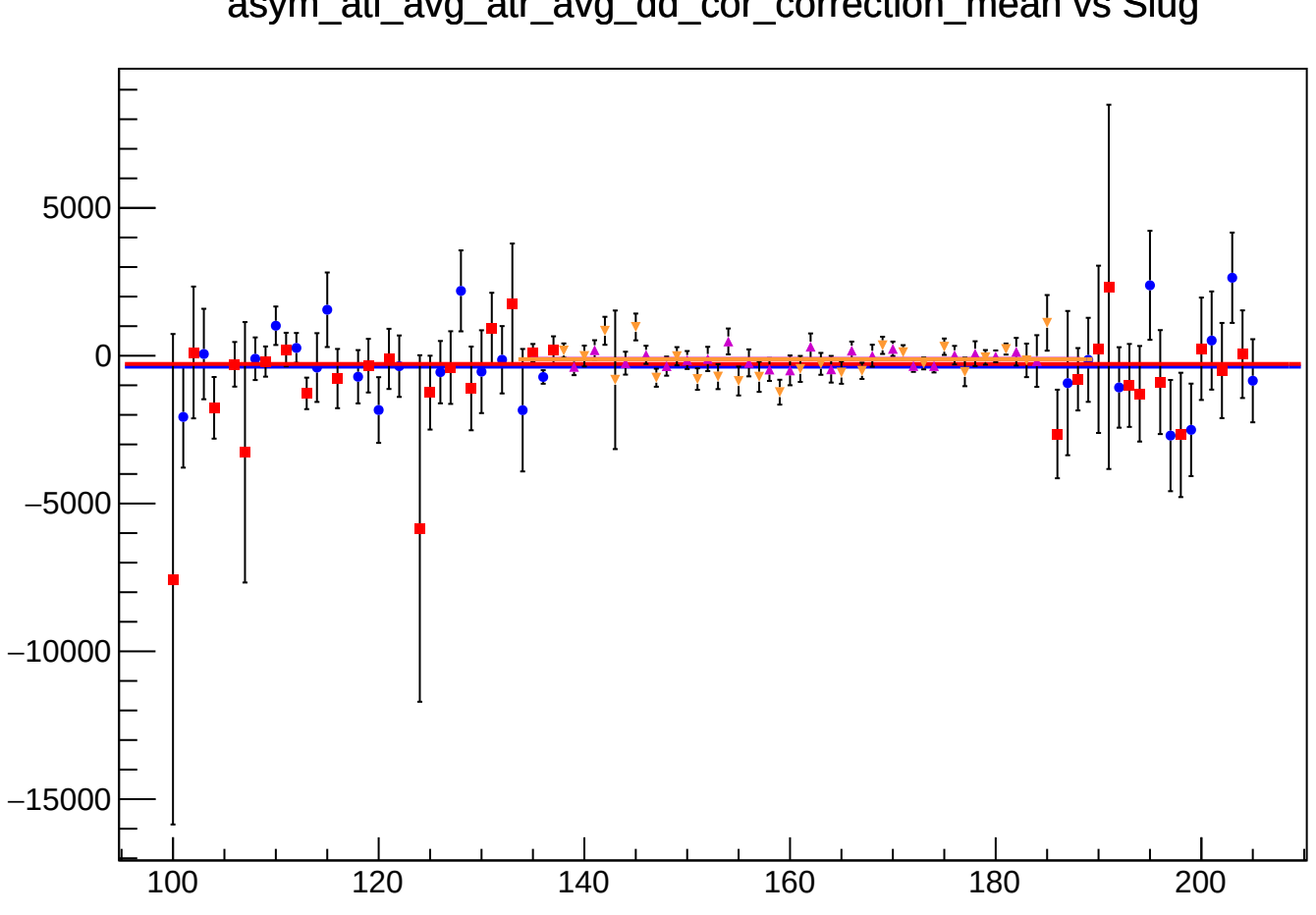
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

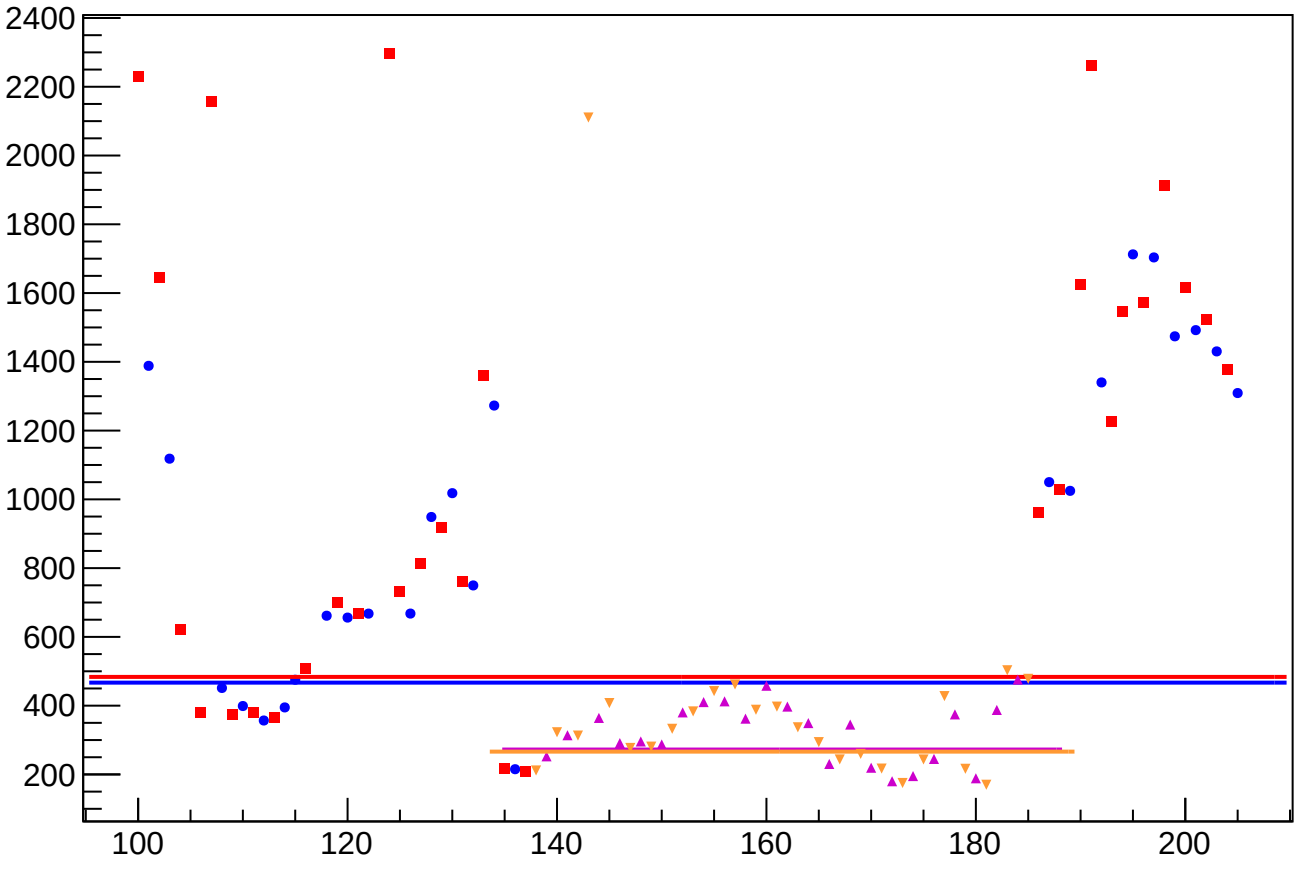
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -142.951+/-43.162 χ^2/NDF: 112.9/102

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

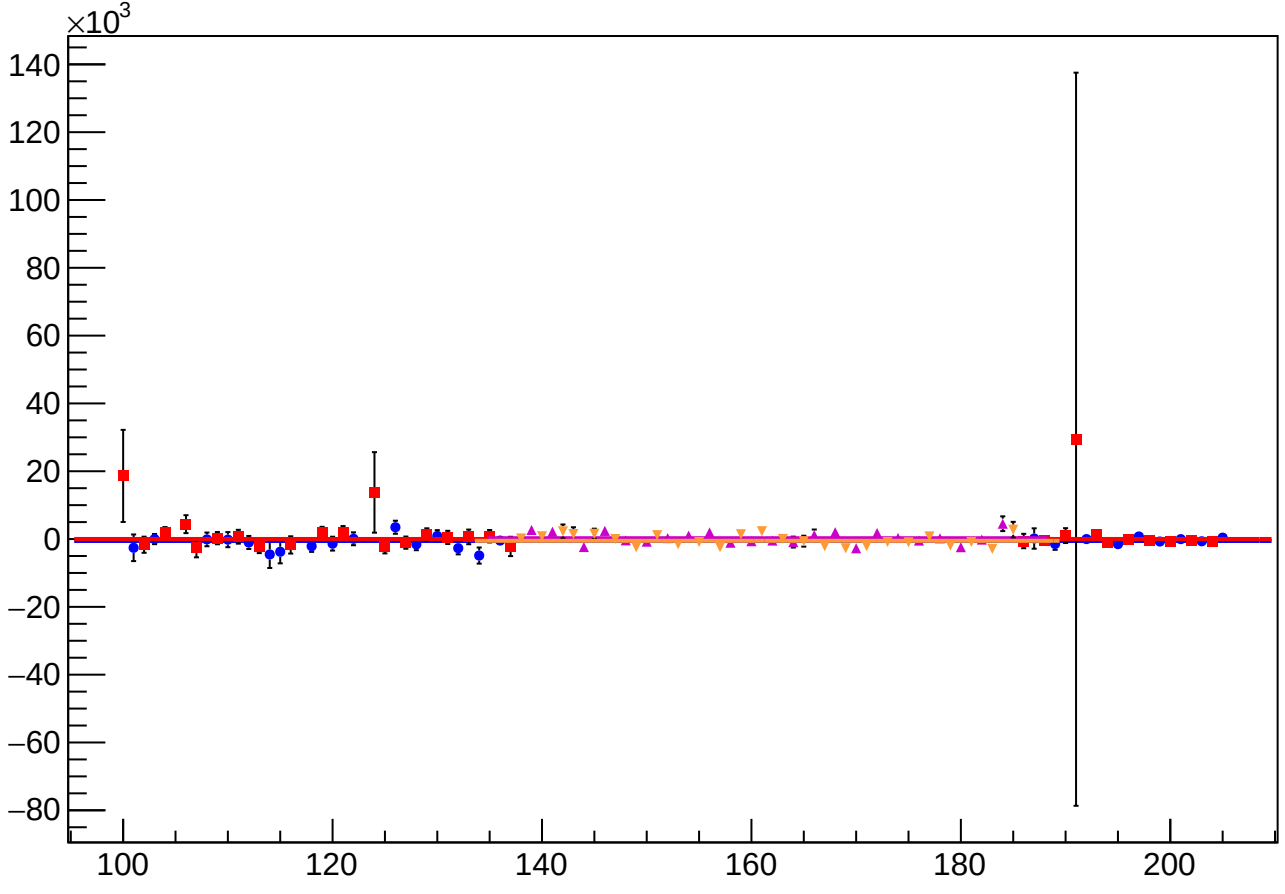
Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

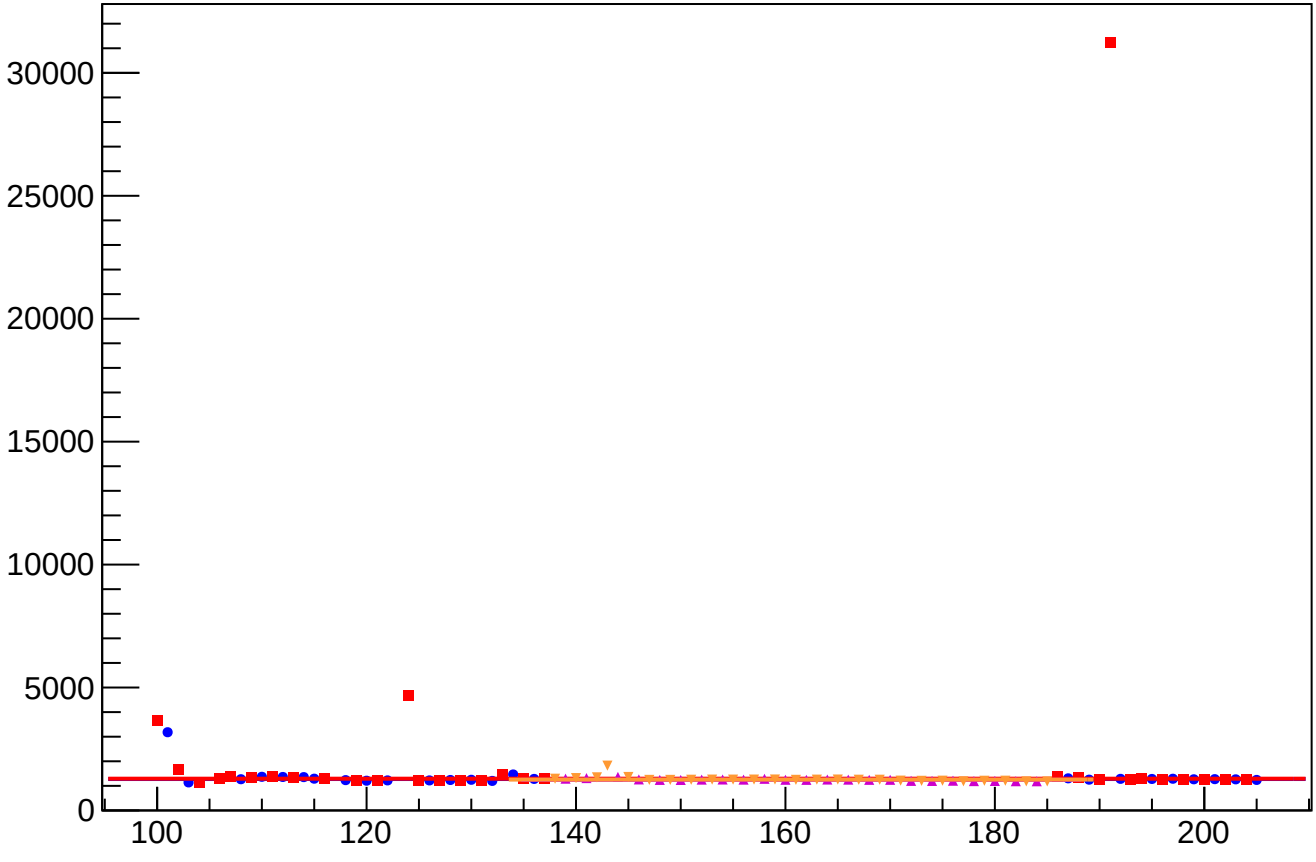
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -193.216+/-155.482 χ^2/NDF: 103.2/102

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

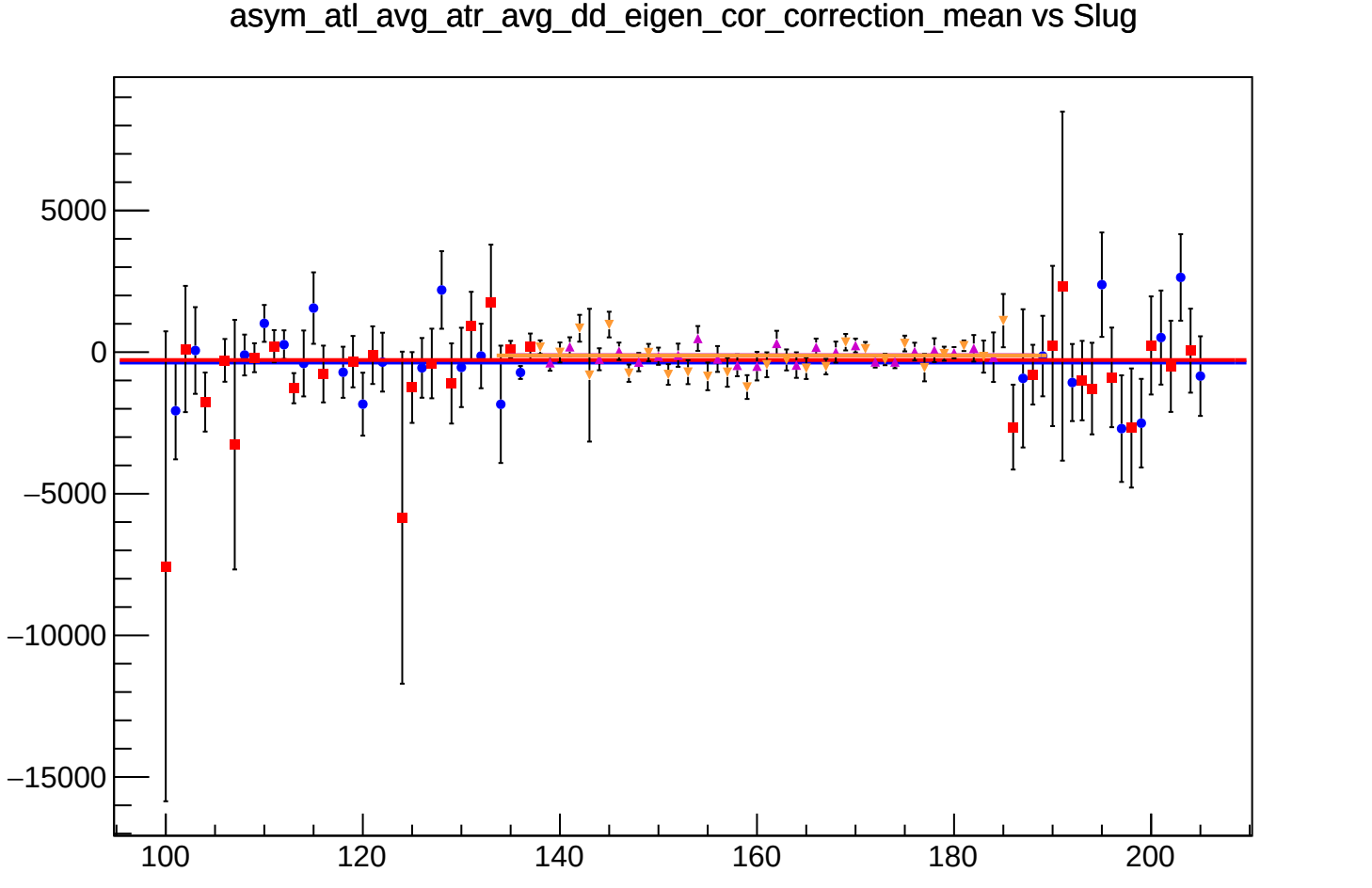
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

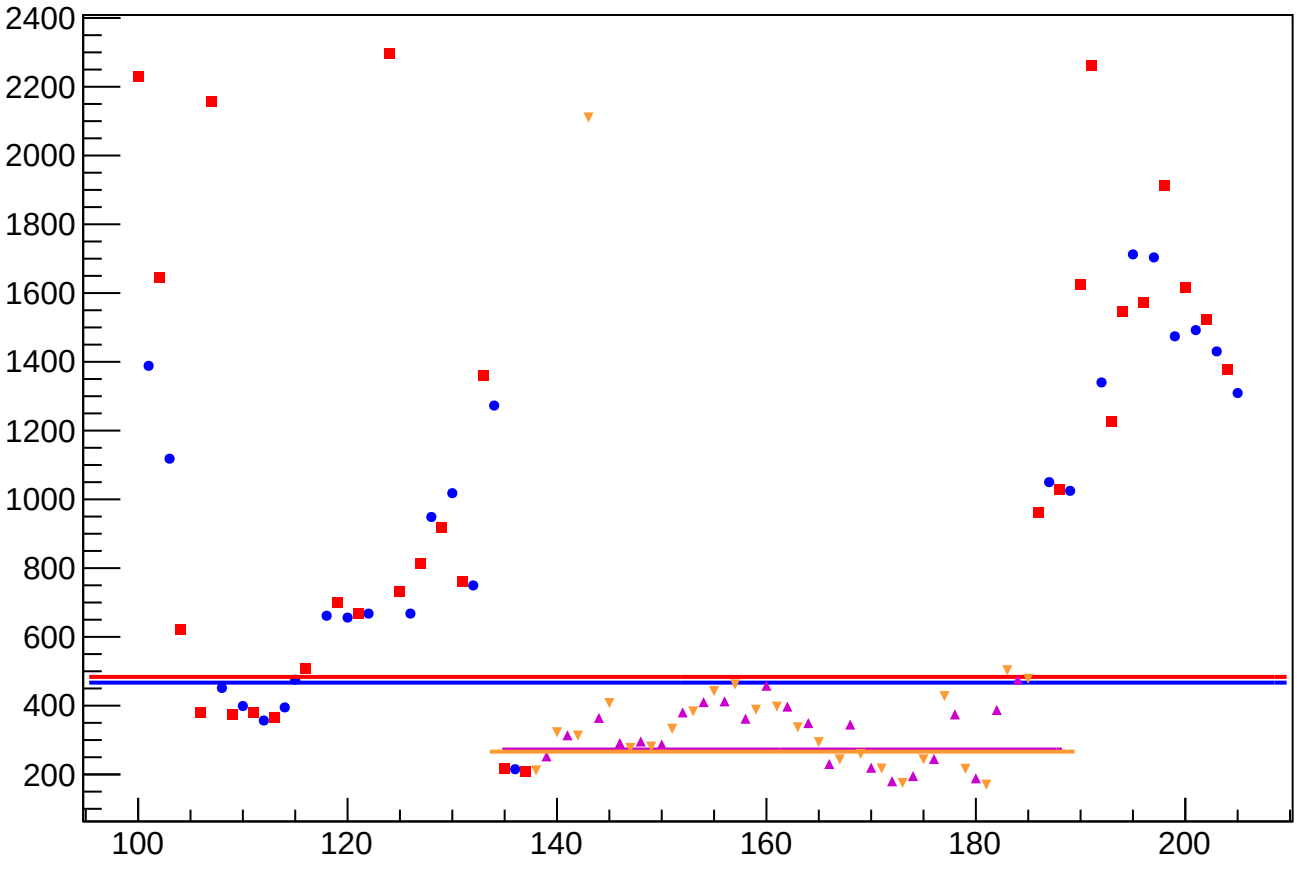
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -142.951+/-43.162 χ^2/NDF: 112.9/102

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

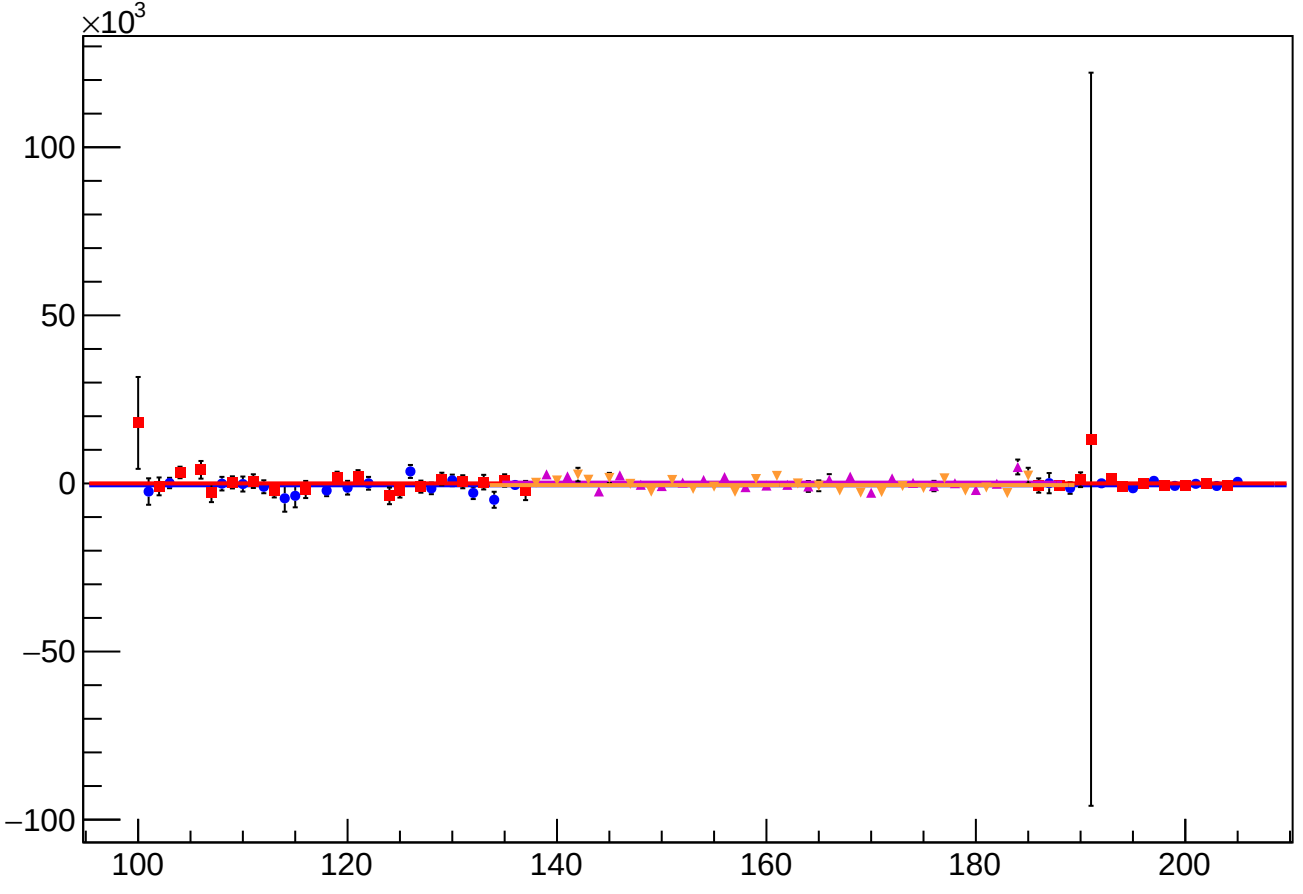
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.491+/-334.631 χ^2/NDF: 20.7/29

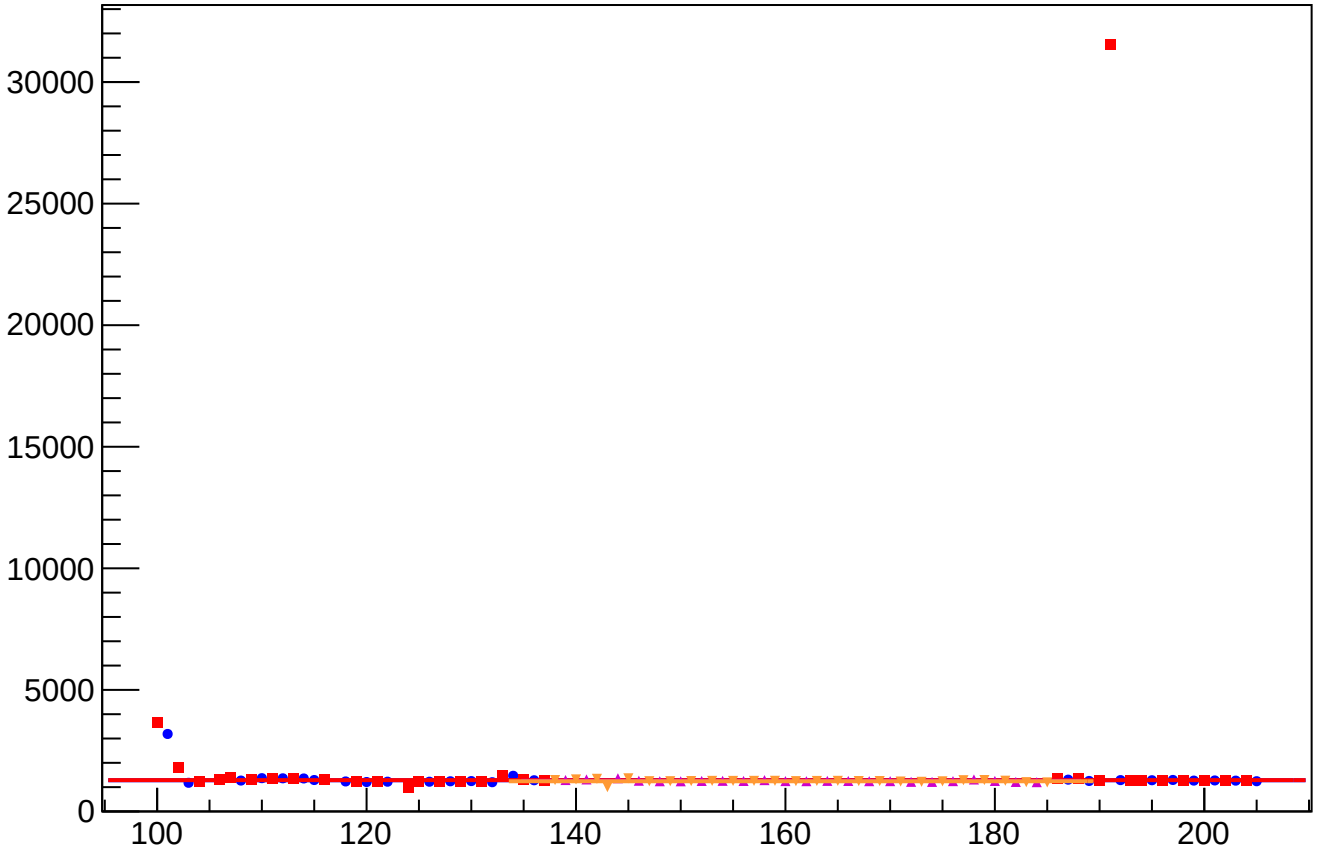
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.935+/-218.686 χ^2/NDF: 50.5/49

All: -188.987+/-155.449 χ^2/NDF: 106.7/102

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

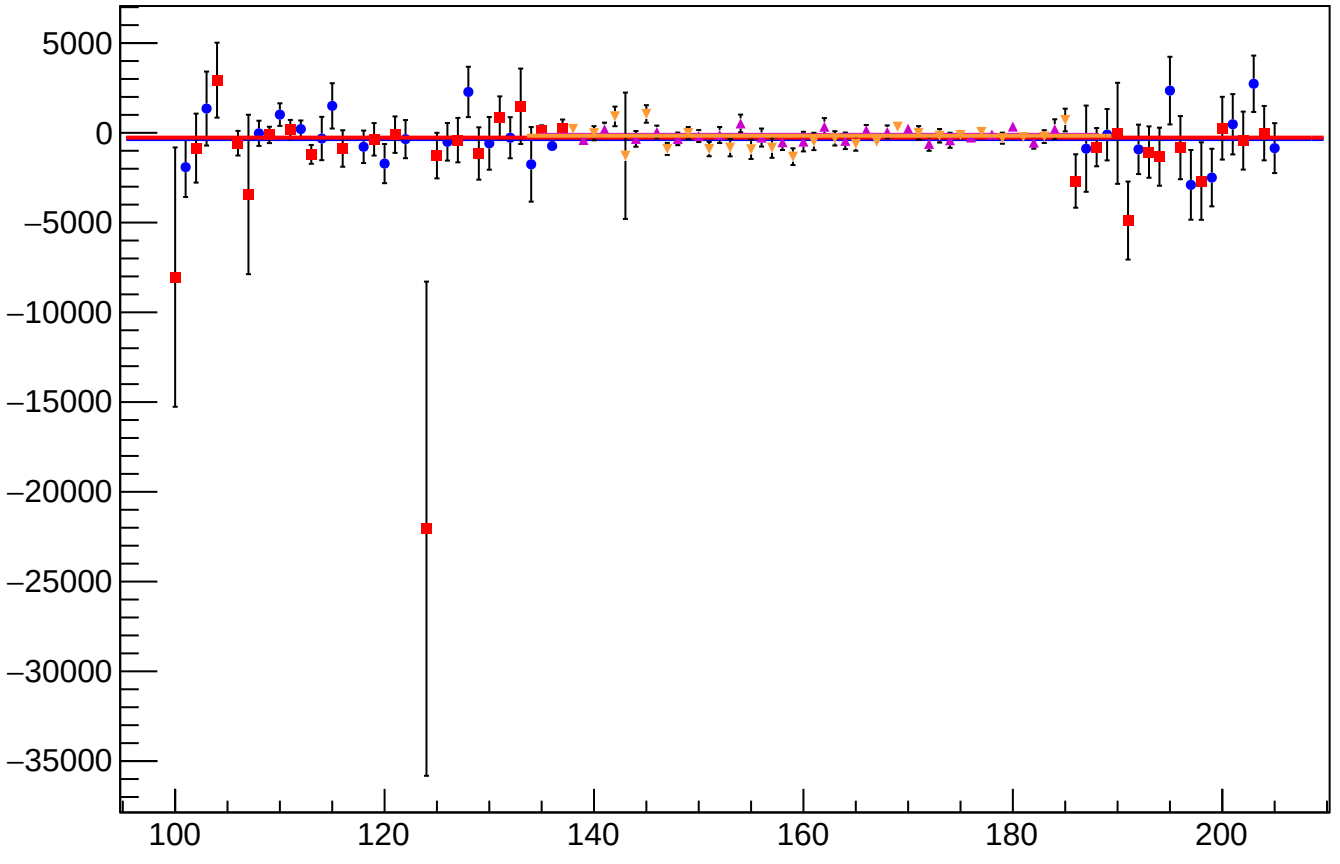
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.9/49

All: 1265.590+/-0.110 χ^2/NDF: 1073355.9/10

- sign 1272.548+/-0.156 χ^2/NDF: 409742.9/52



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

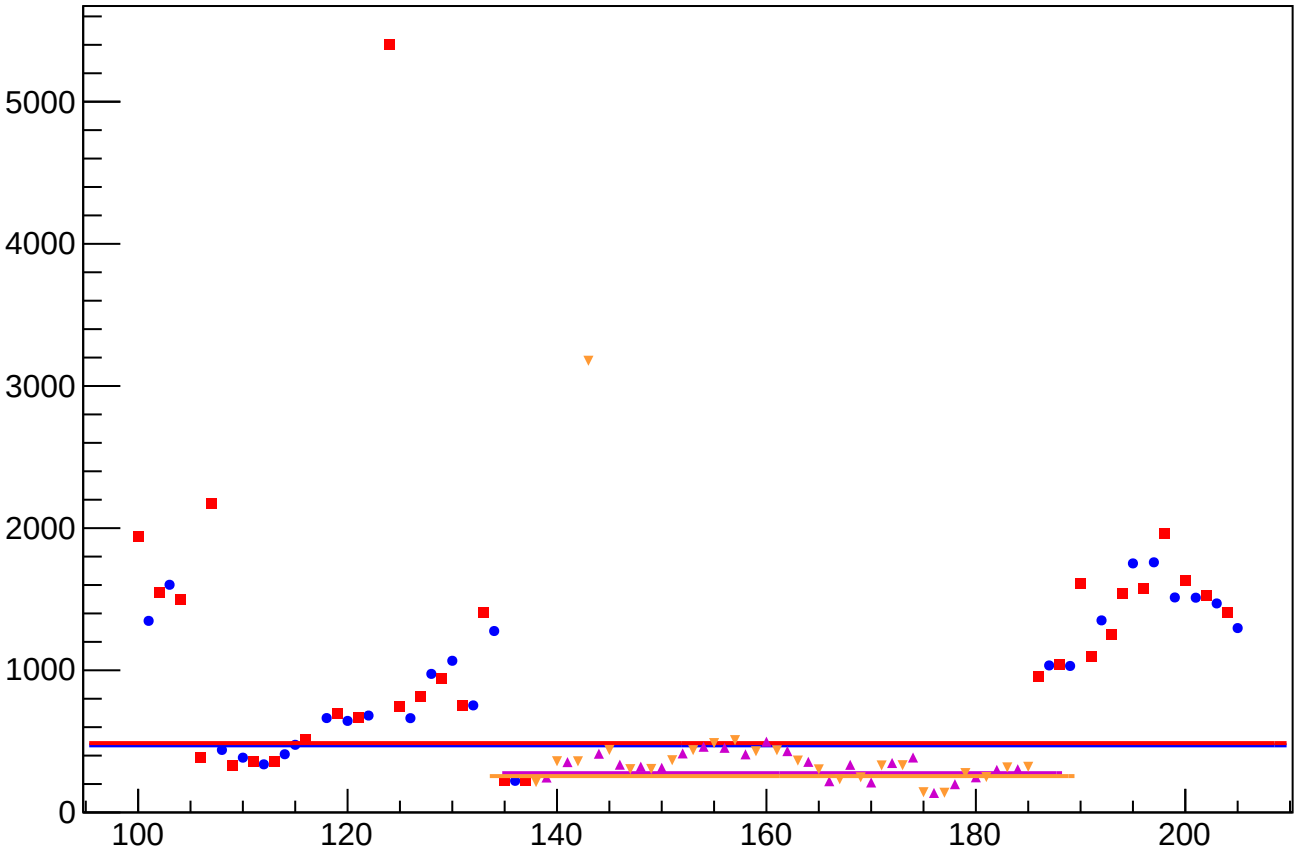
Right Out: -267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -186.213+/-59.639 χ^2/NDF: 73.4/49

All: -163.340+/-43.391 χ^2/NDF: 118.6/102

\- sign -137.615+/-63.248 χ^2/NDF: 44.9/52



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

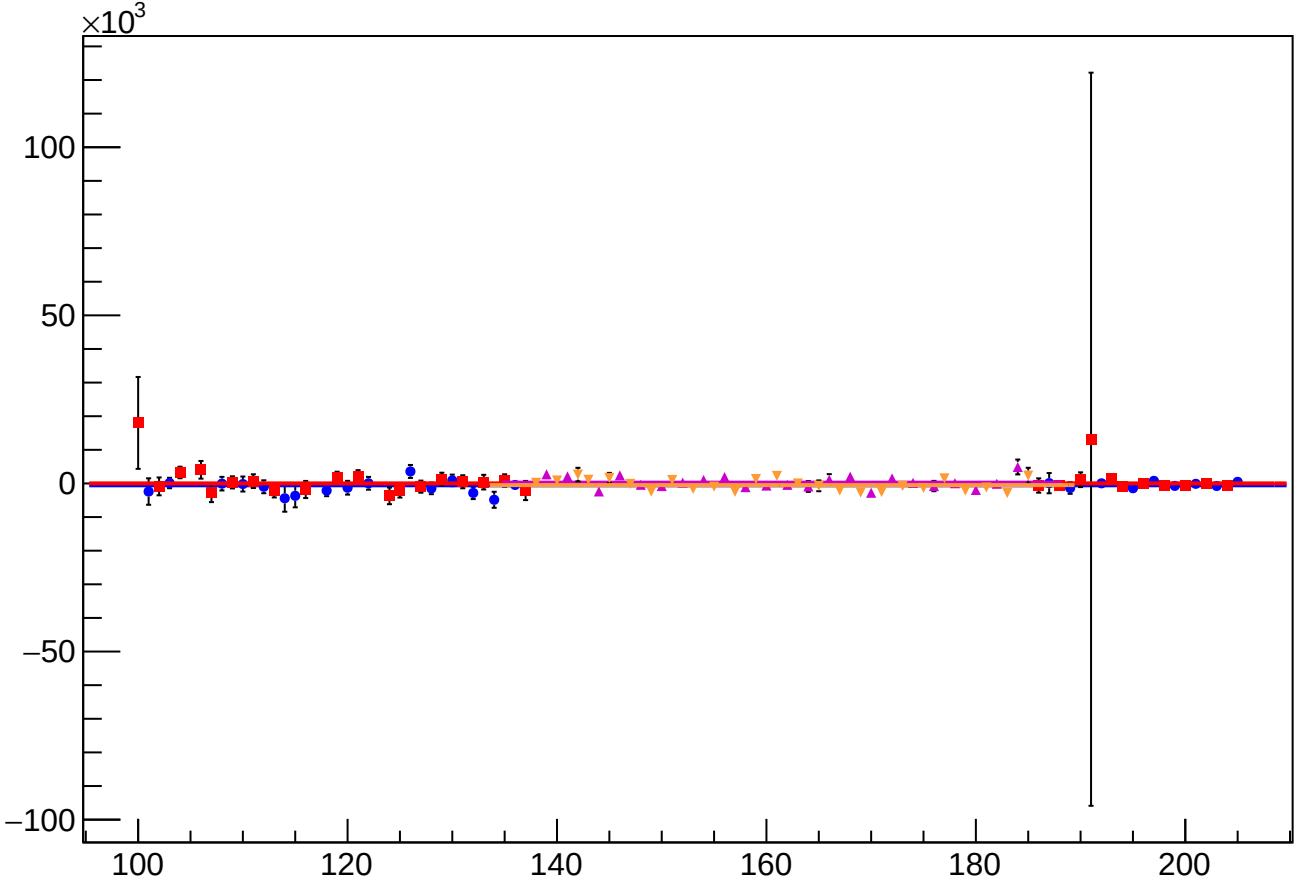
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 285.016+/-0.042 χ^2/NDF: 20488115.0/49

All: 296.437+/-0.031 χ^2/NDF: 39672570.2/10

- sign 309.281+/-0.045 χ^2/NDF: 19028627.6/52

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.490+/-334.631 χ^2/NDF: 20.7/29

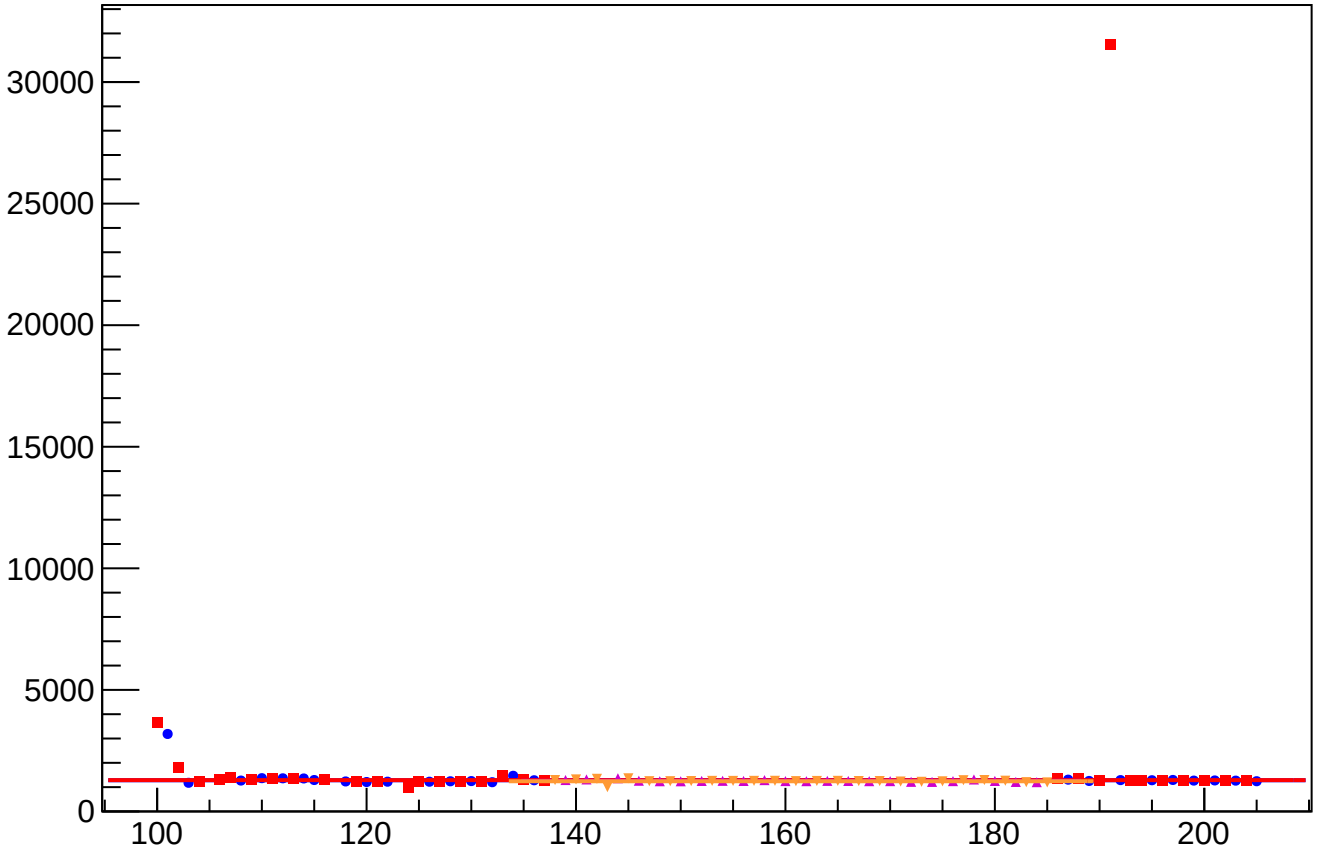
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.936+/-218.686 χ^2/NDF: 50.5/49

All: -188.988+/-155.449 χ^2/NDF: 106.7/102

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

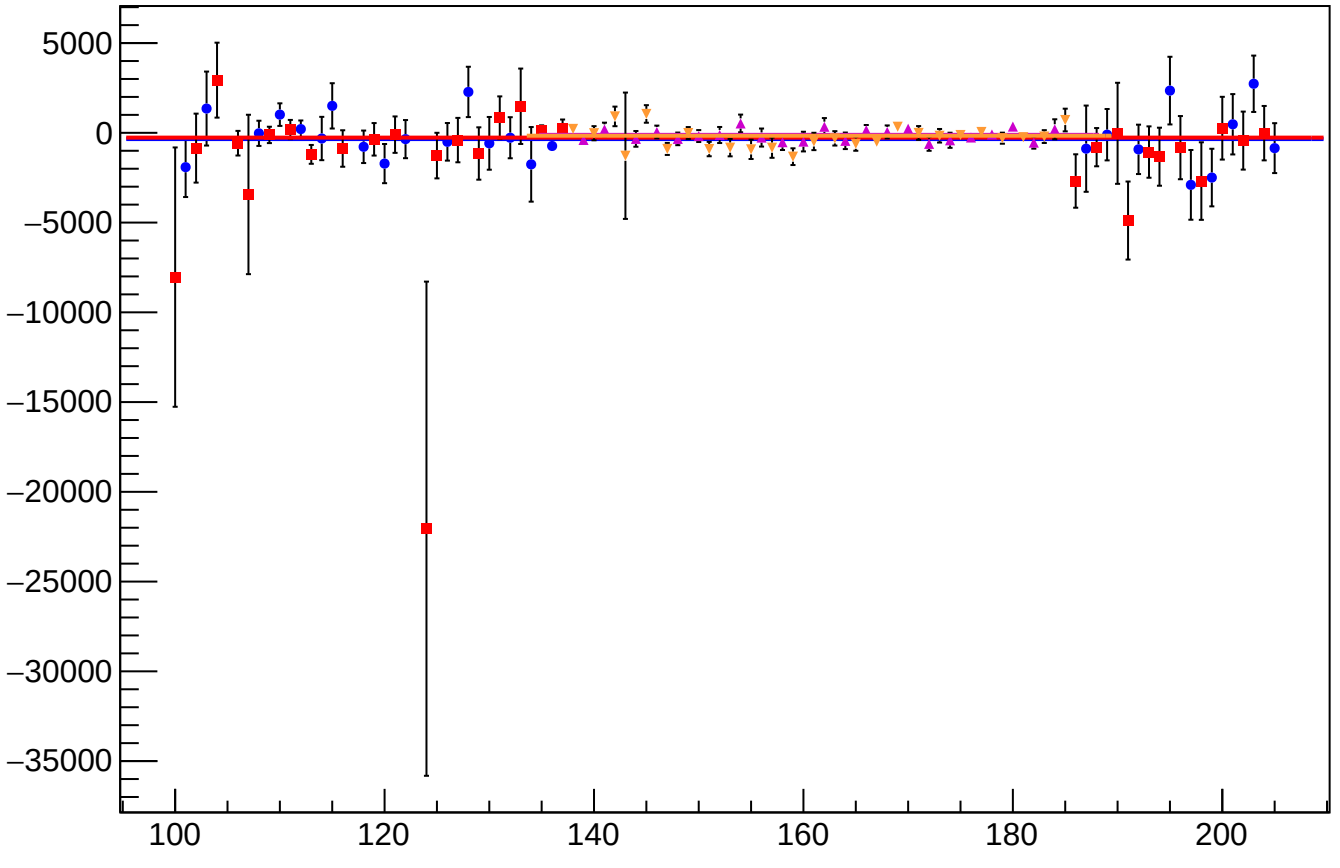
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.0/49

All: 1265.590+/-0.110 χ^2/NDF: 1073355.3/10

- sign 1272.548+/-0.156 χ^2/NDF: 409743.3/52



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

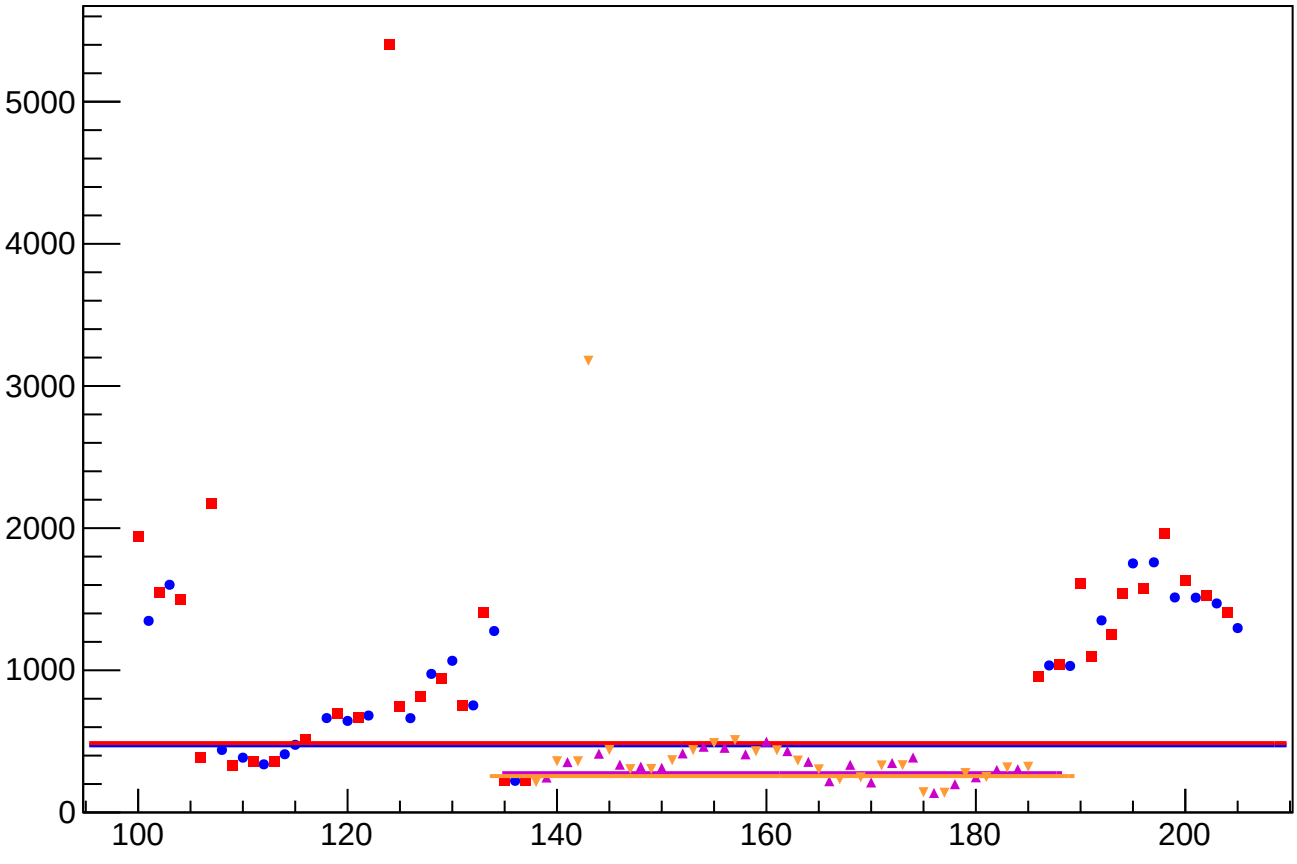
Right Out: -267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.216+/-59.640 χ^2/NDF: 73.4/49

All: -163.341+/-43.391 χ^2/NDF: 118.6/102

- sign -137.614+/-63.249 χ^2/NDF: 44.9/52



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

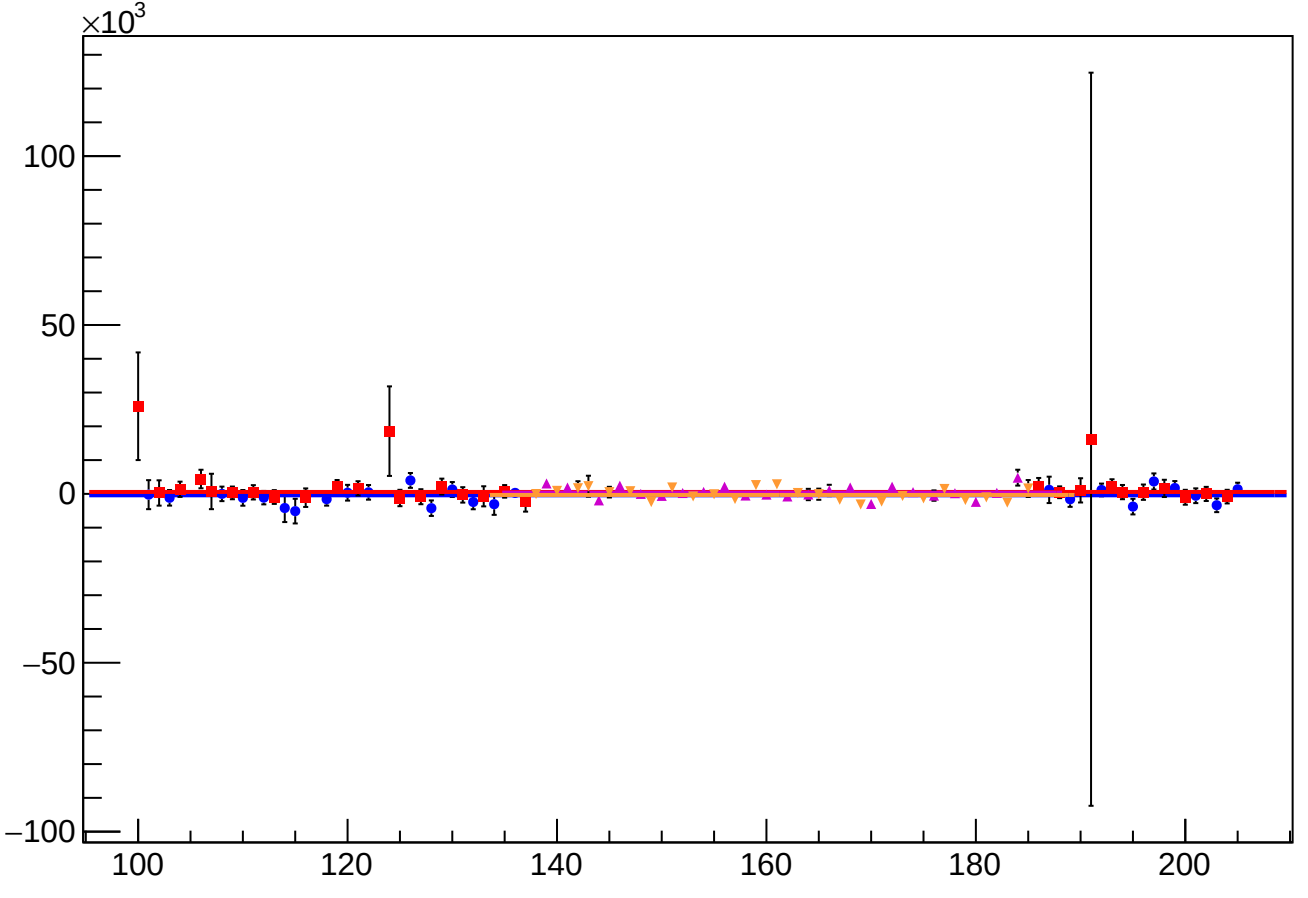
Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 285.018+/-0.042 χ^2/NDF: 20487907.6/49

All: 296.438+/-0.031 χ^2/NDF: 39672235.3/10

- sign 309.283+/-0.045 χ^2/NDF: 19028512.2/52



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 567.706+/-440.175 χ^2/NDF: 13.7/29

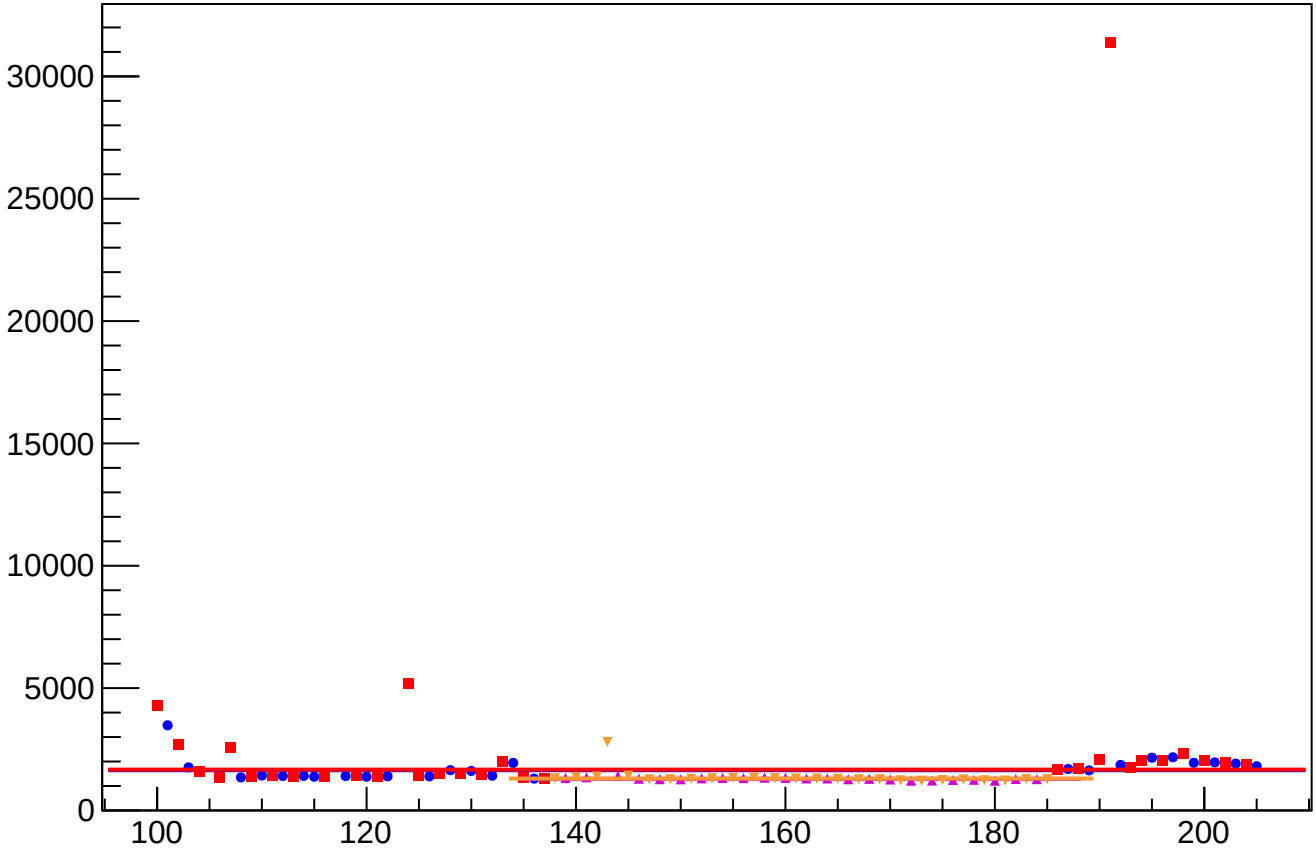
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -352.412+/-248.172 χ^2/NDF: 54.4/49

All: 34.544+/-175.765 χ^2/NDF: 102.8/102

- sign 423.992+/-248.970 χ^2/NDF: 43.5/52

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

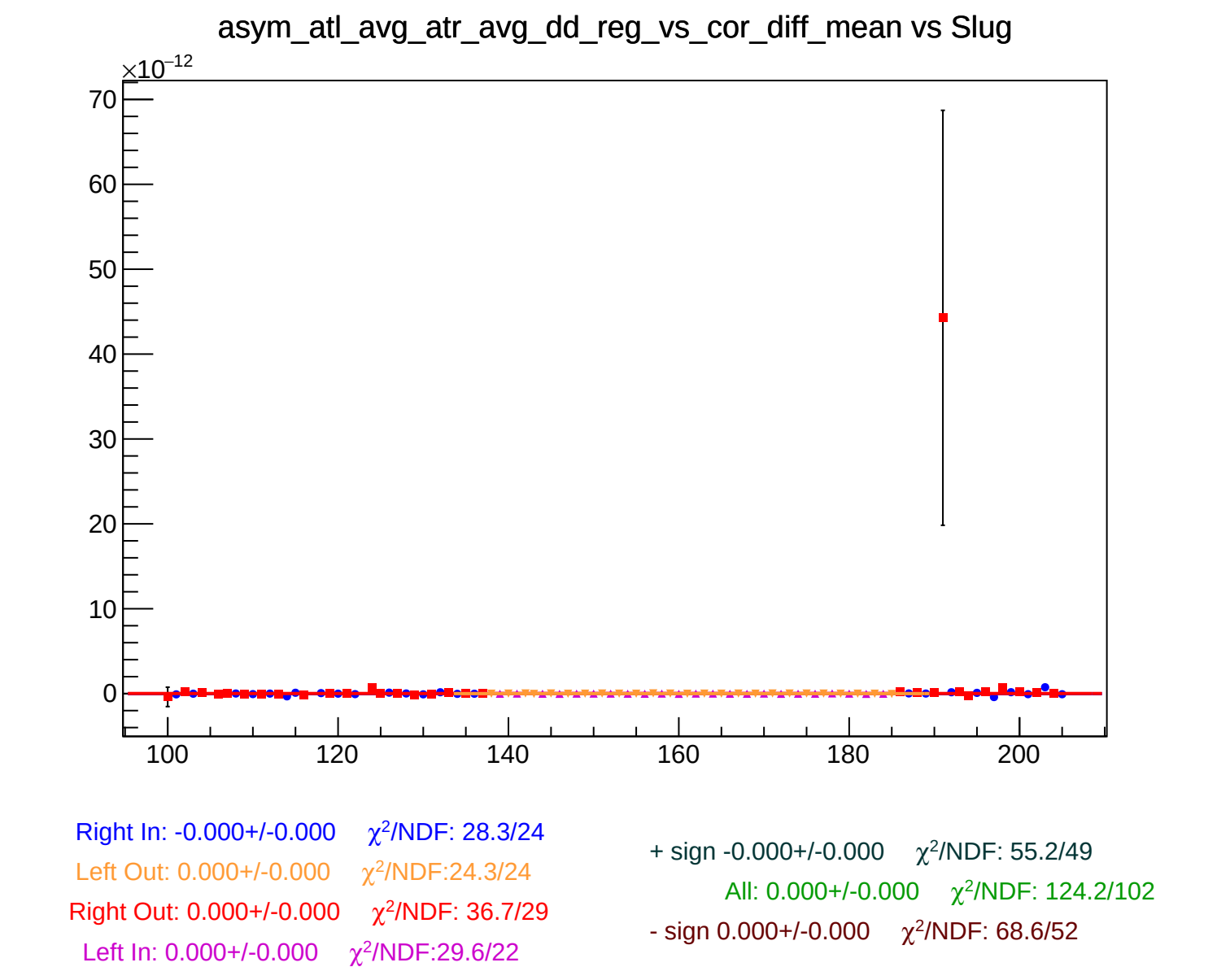
Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

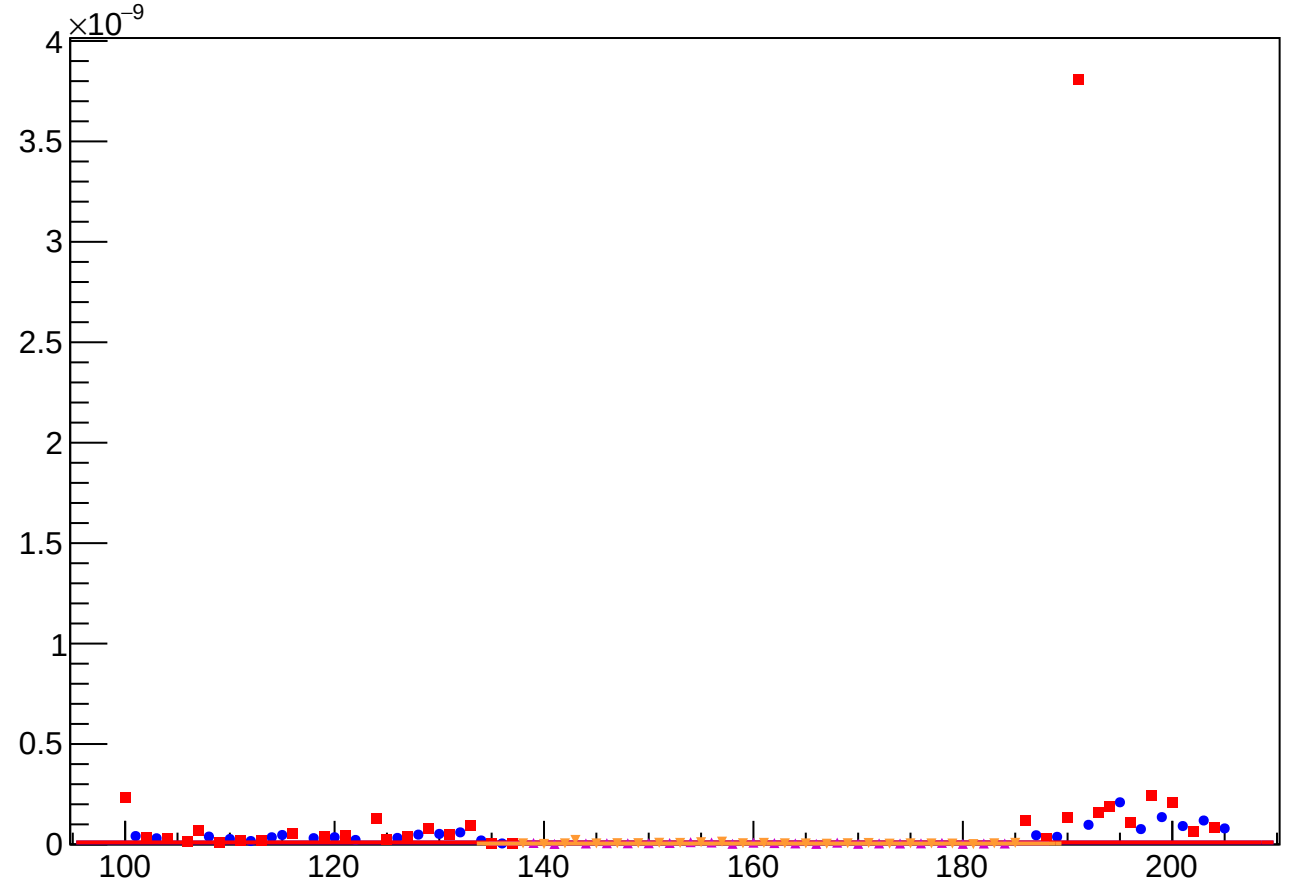
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1408.795+/-0.175 χ^2/NDF: 2421396.4/49

All: 1410.607+/-0.124 χ^2/NDF: 4833614.0/10

- sign 1412.430+/-0.176 χ^2/NDF: 2412003.7/52


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.3/24
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.7/29
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 55.2/49
All: 0.000+/-0.000 χ²/NDF: 124.2/102
- sign 0.000+/-0.000 χ²/NDF: 68.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

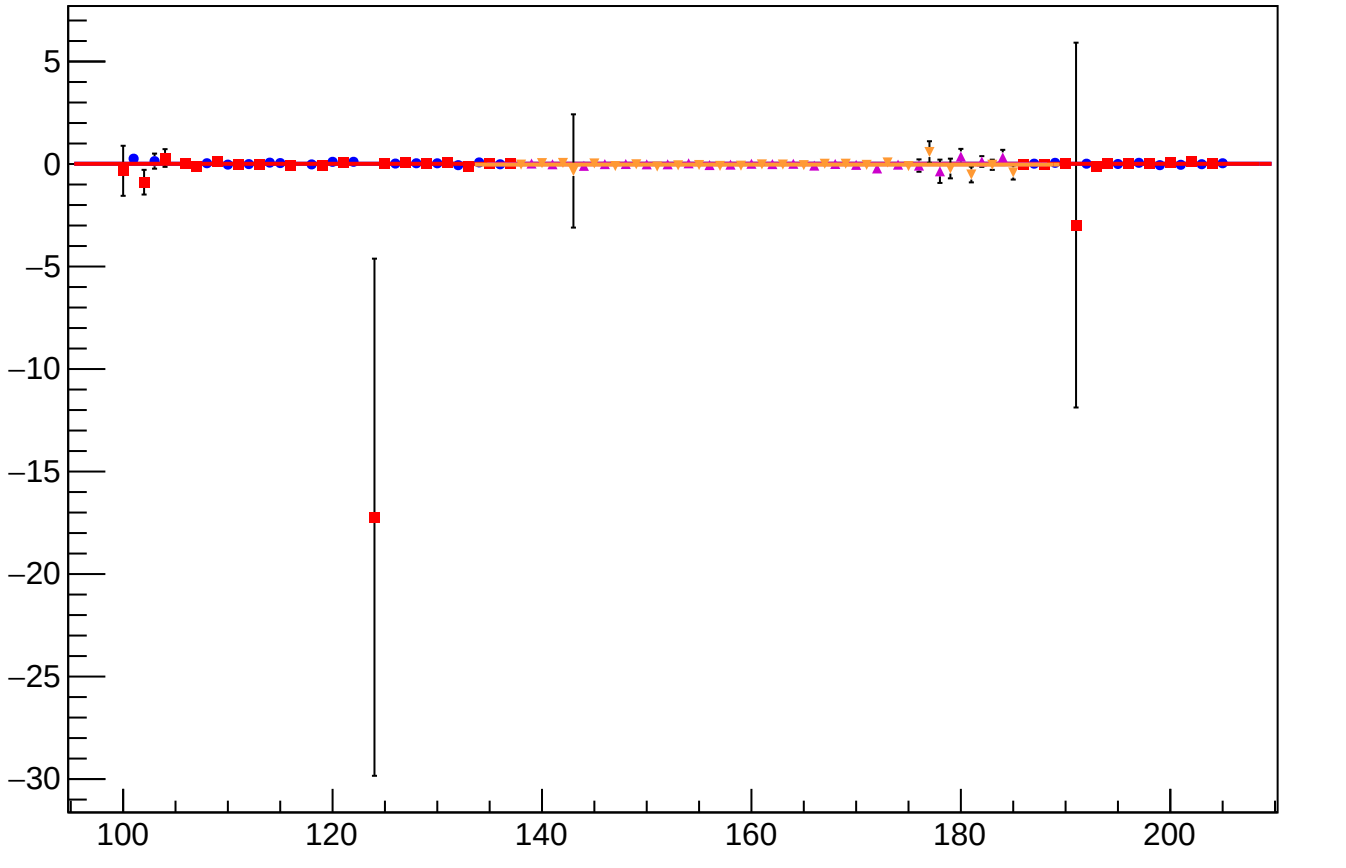
Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10307278.9/49

All: 0.000+/-0.000 χ^2/NDF: 21666629.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11334605.1/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

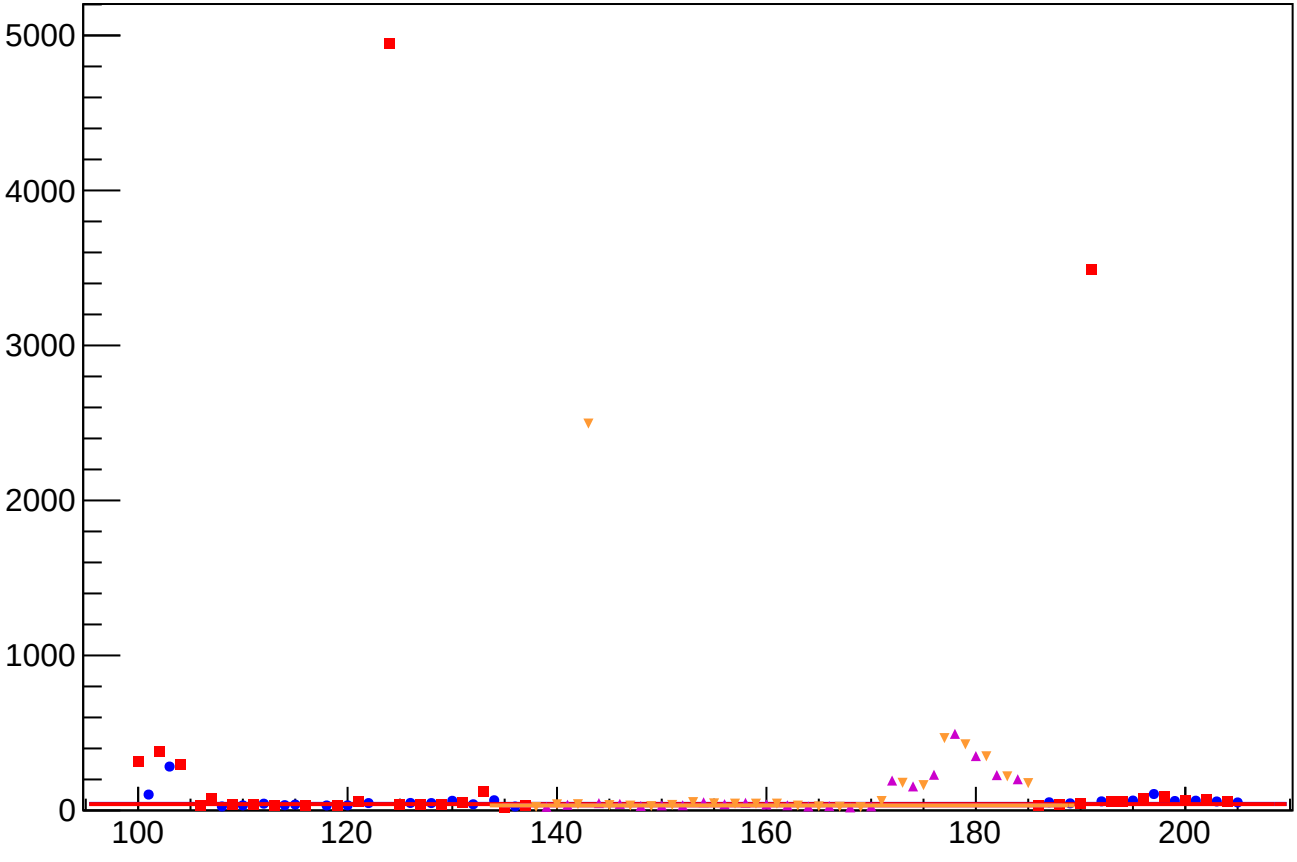
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

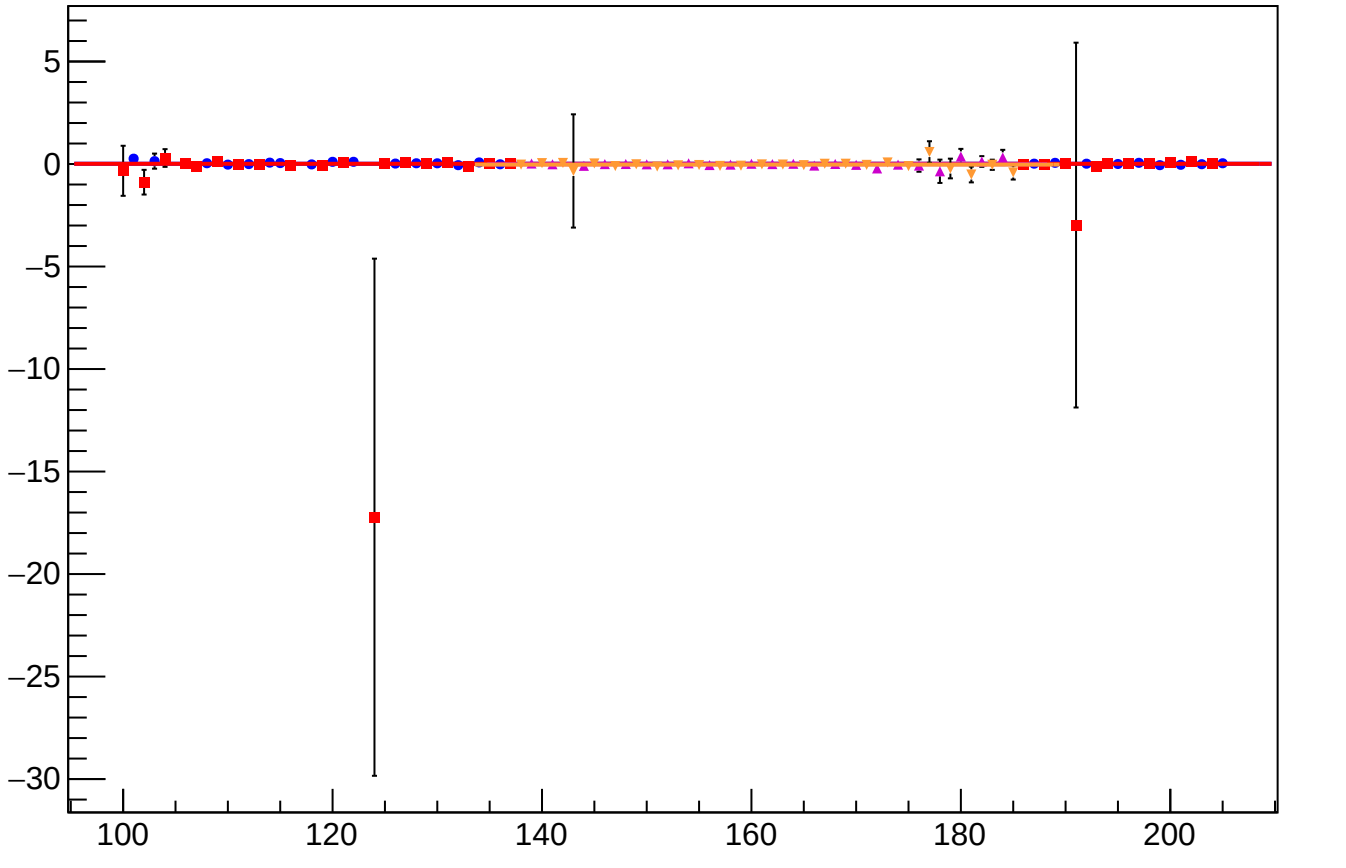
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

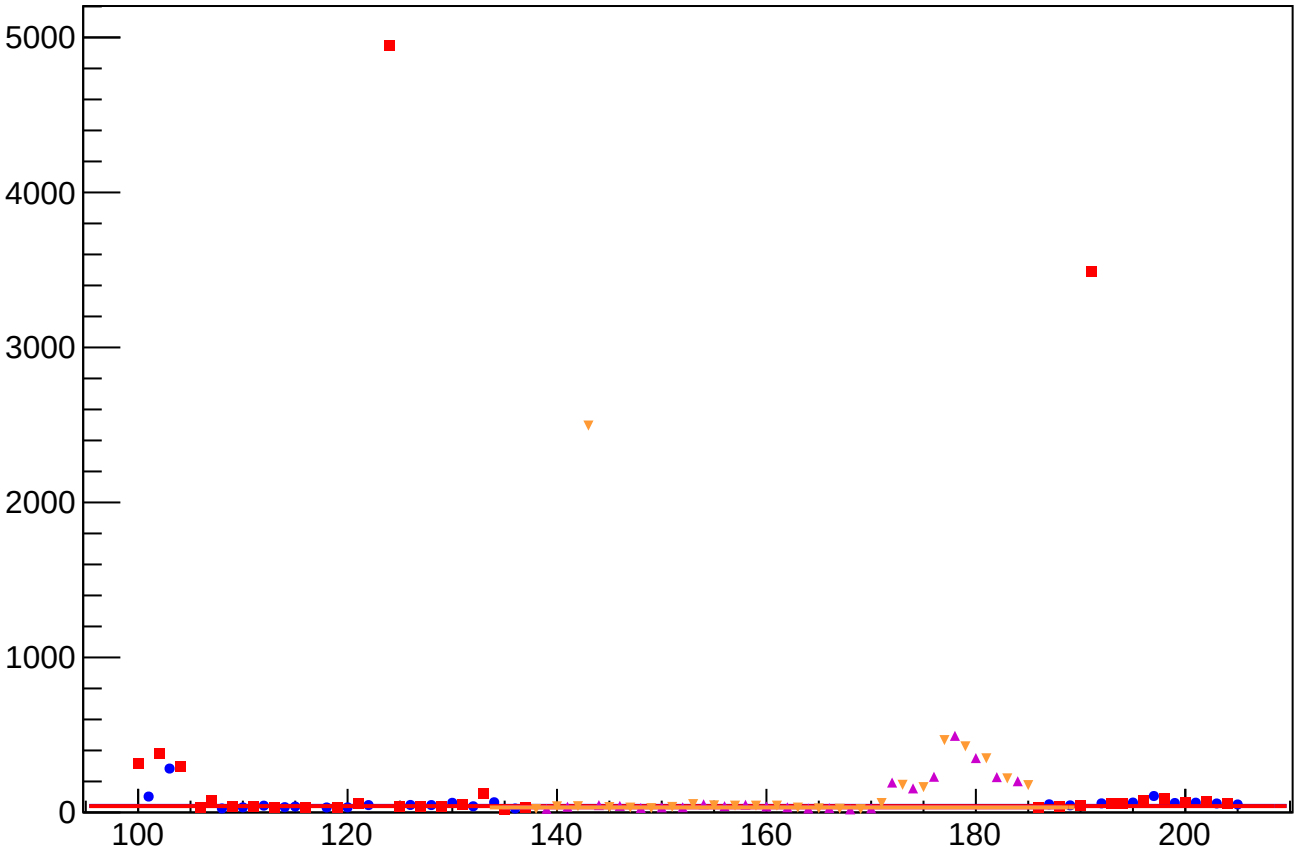
Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

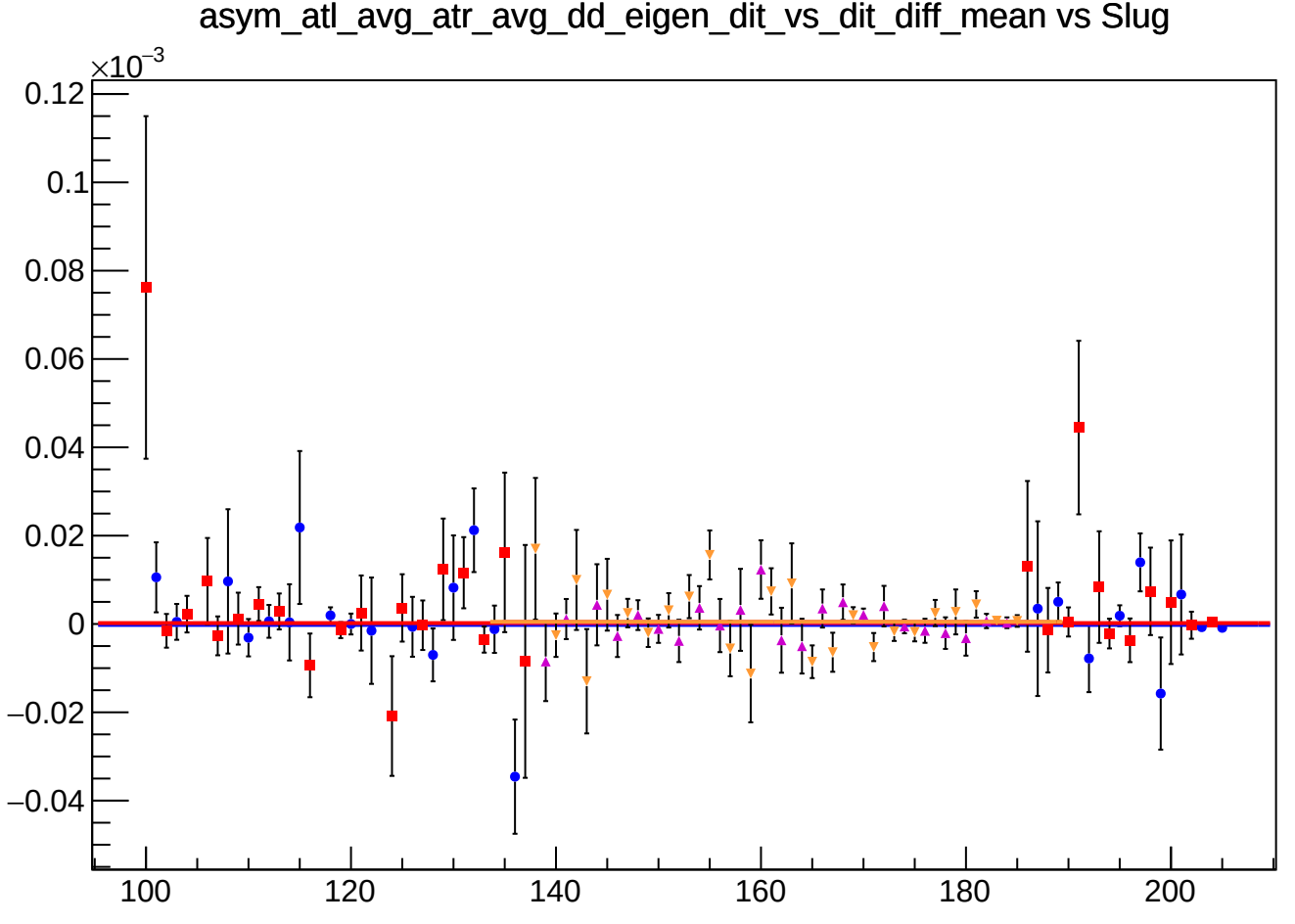
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

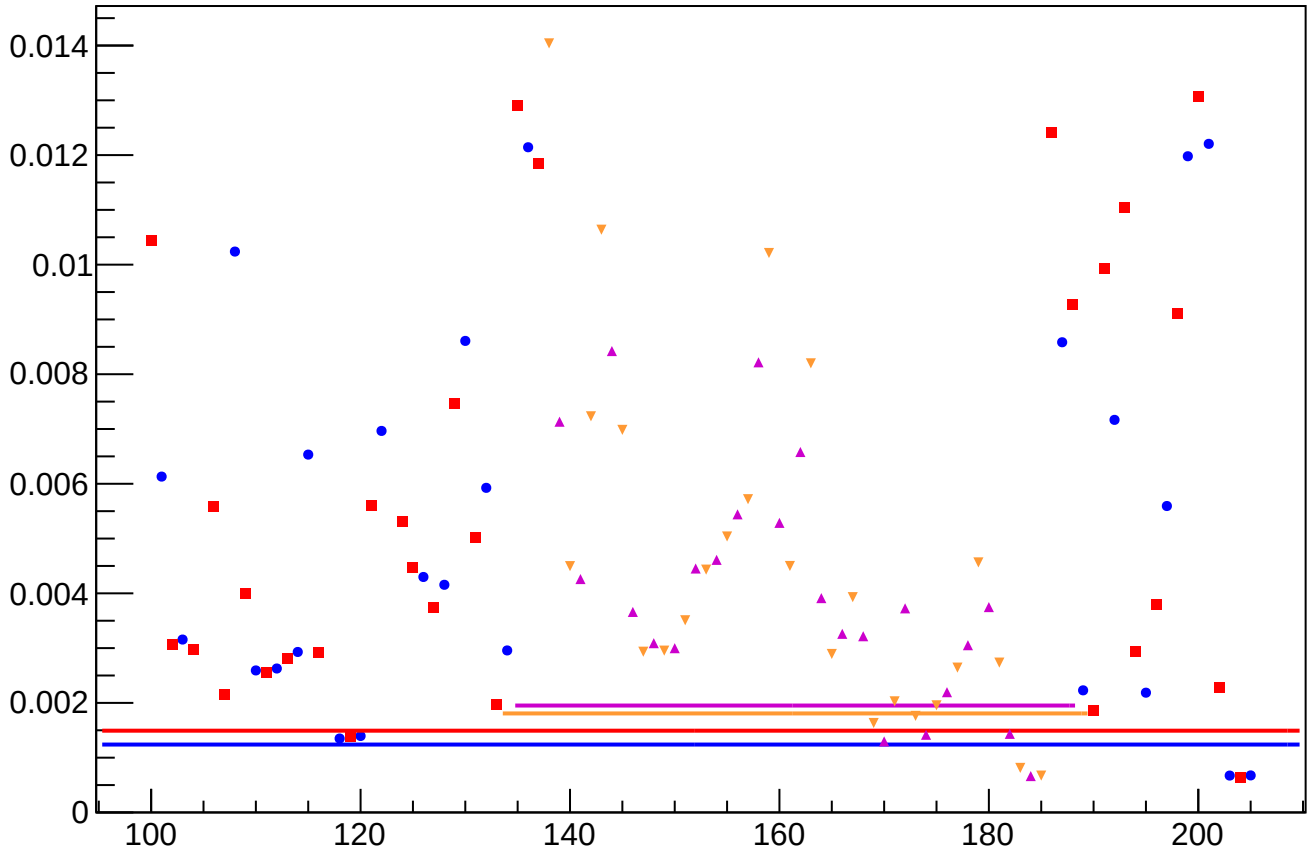
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.0/49

All: 0.000+/-0.000 χ^2/NDF: 107.0/102

- sign 0.000+/-0.000 χ^2/NDF: 39.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

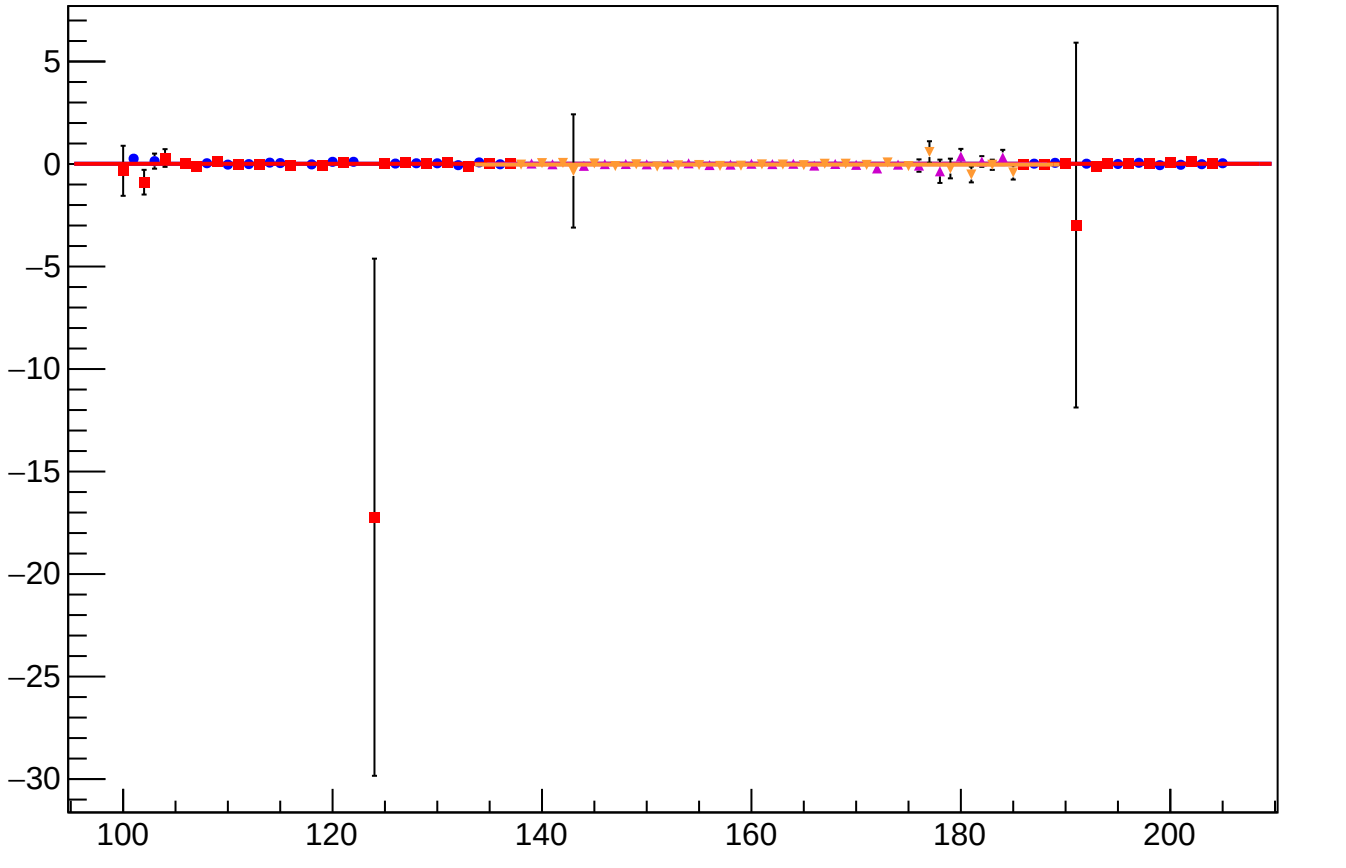
Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 30091789.6/49

All: 0.002+/-0.000 χ^2/NDF: 57416925.1/102

- sign 0.002+/-0.000 χ^2/NDF: 27047236.6/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

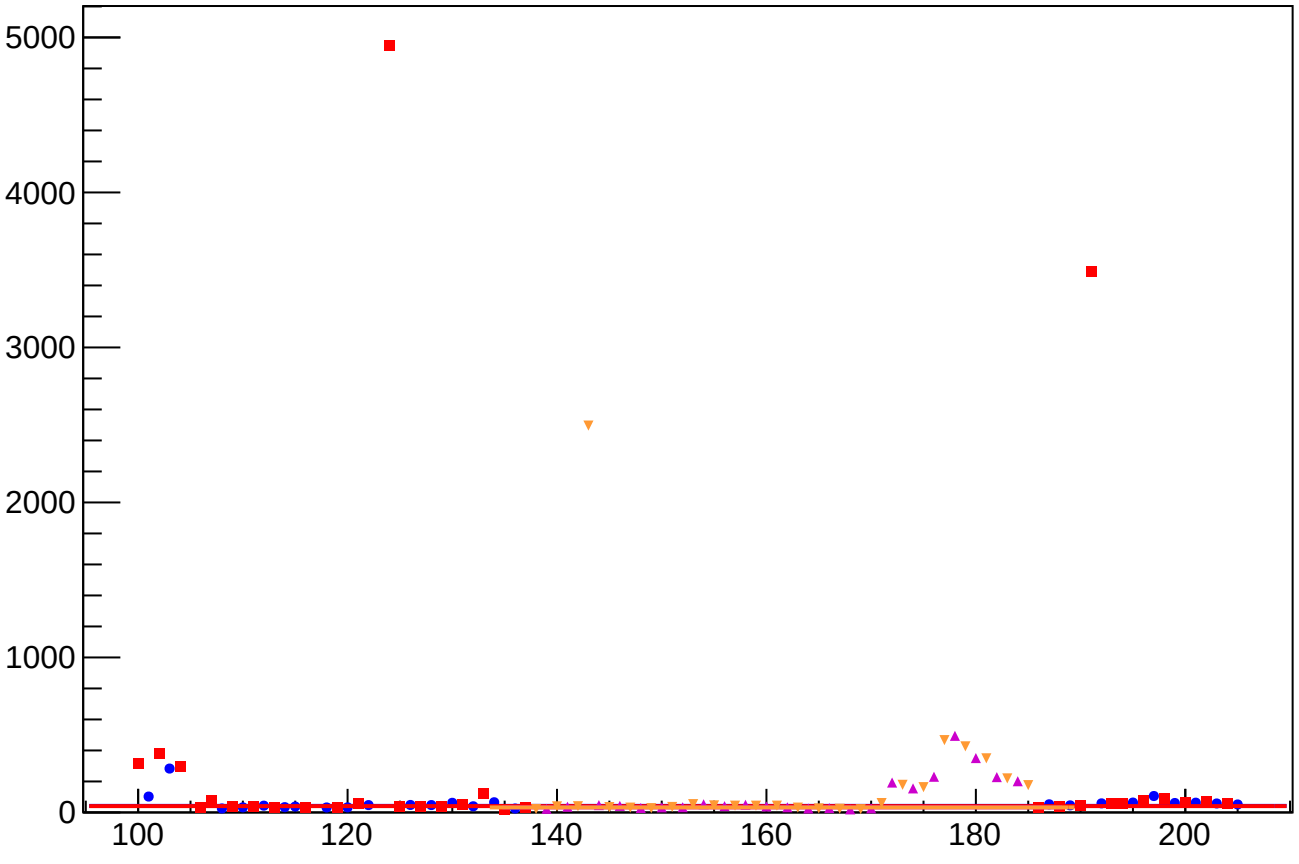
Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

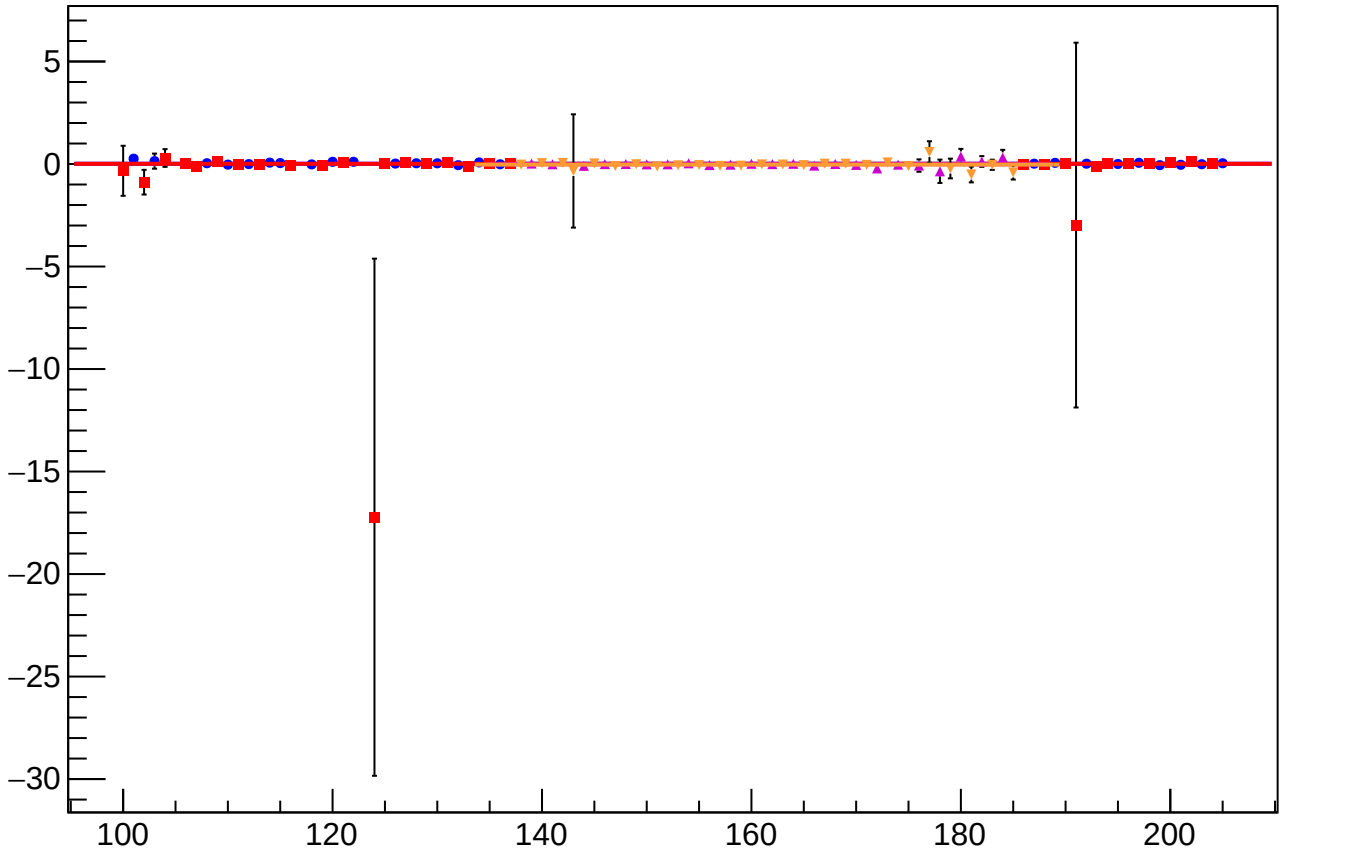
Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

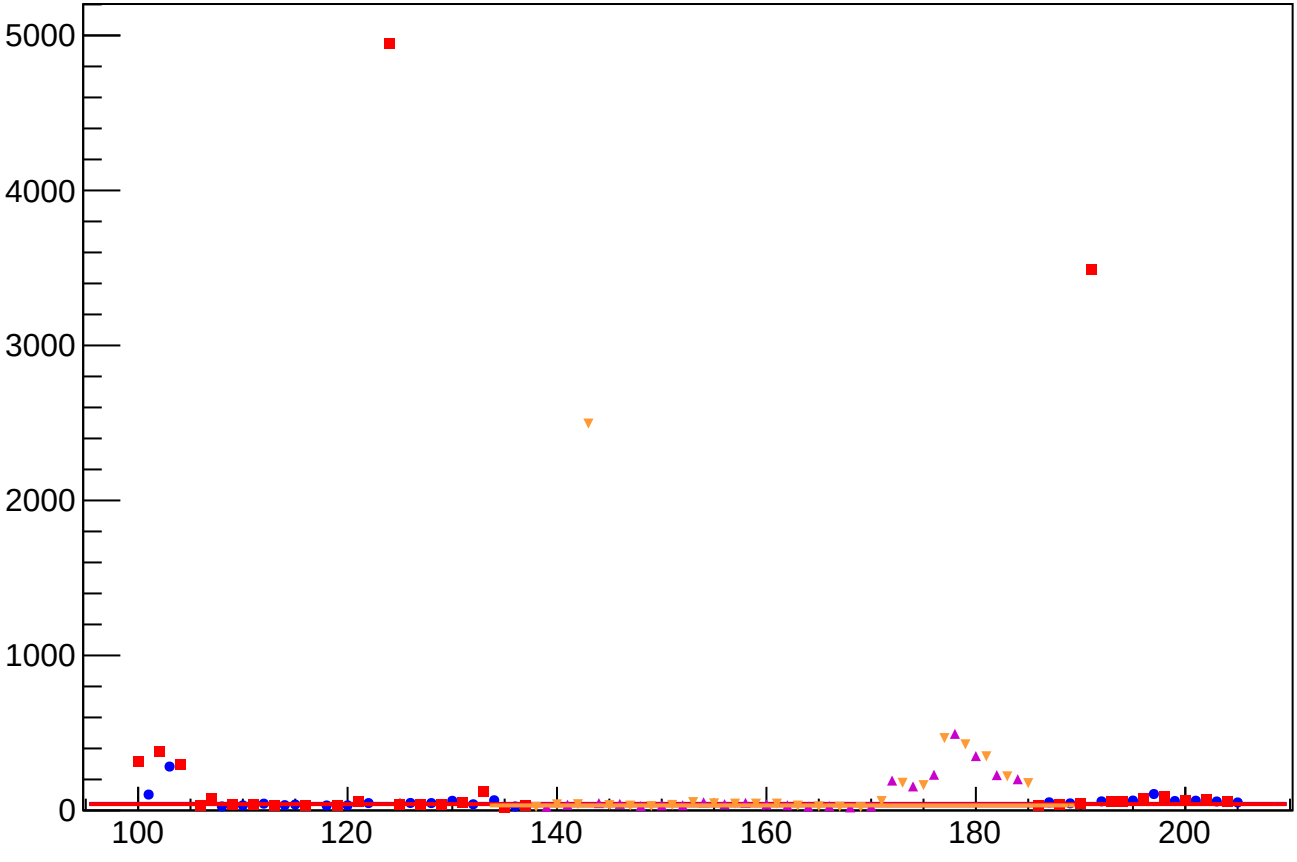
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

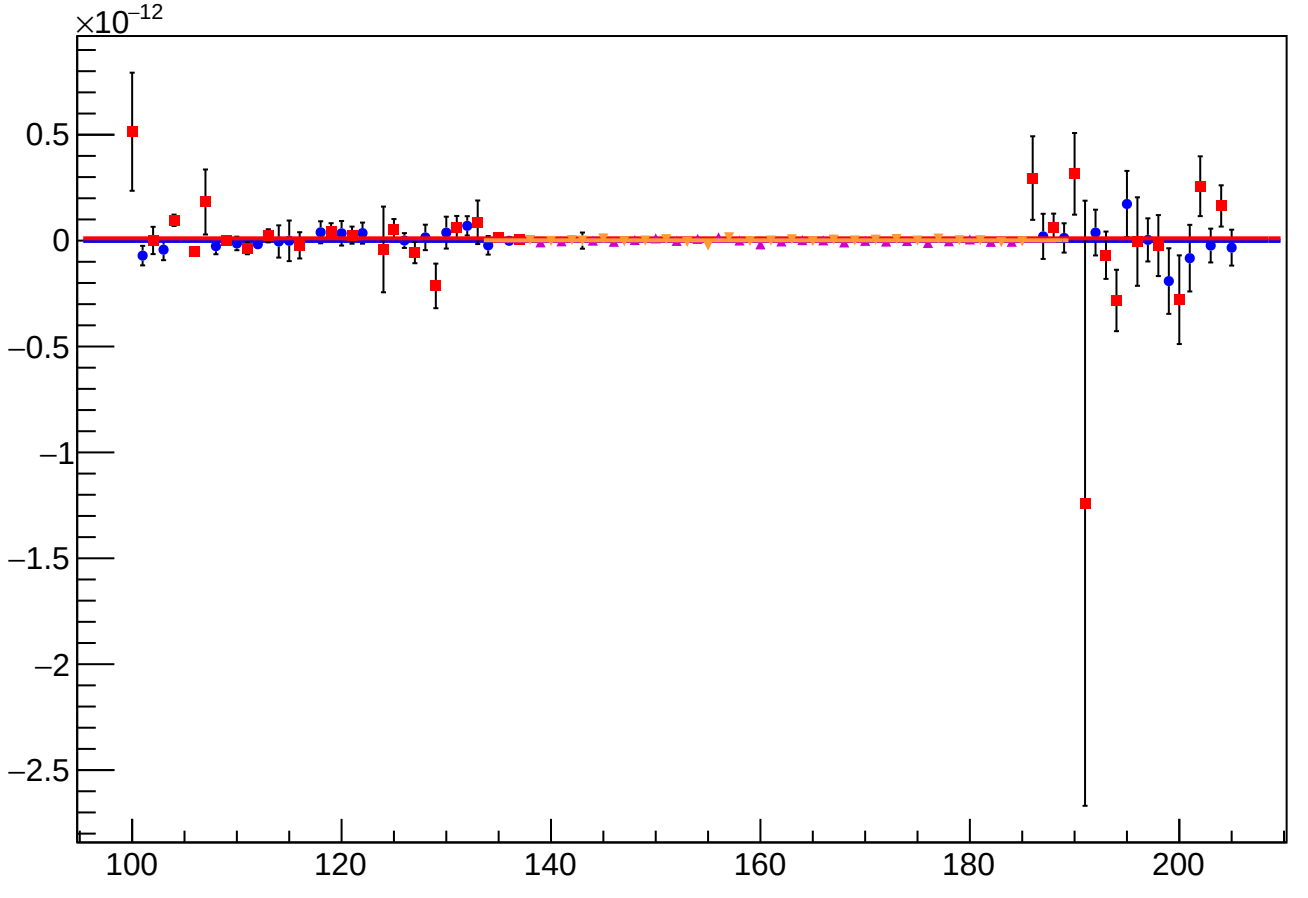
Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

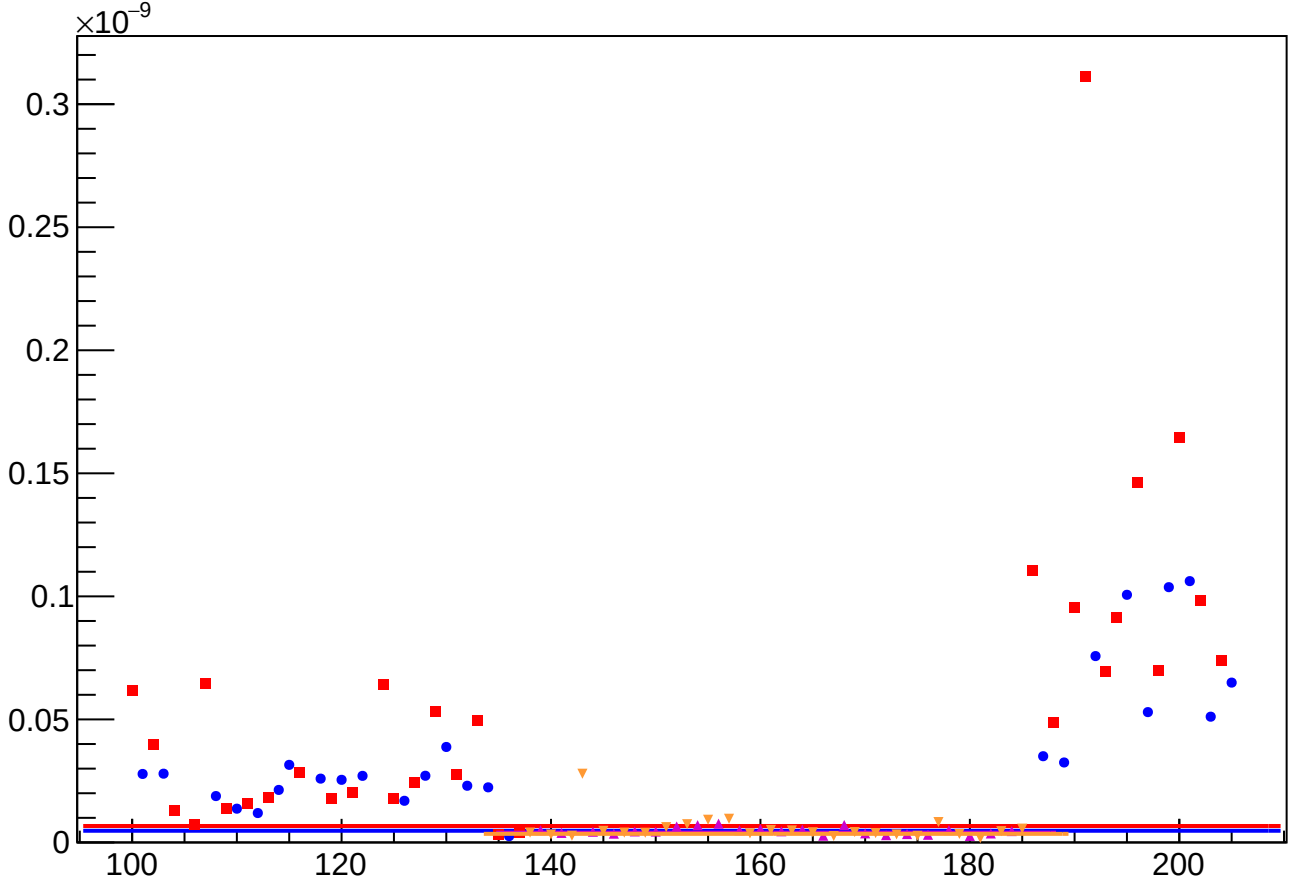
Right Out: 0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/49

All: 0.000+/-0.000 χ^2/NDF: 126.3/102

- sign -0.000+/-0.000 χ^2/NDF: 94.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

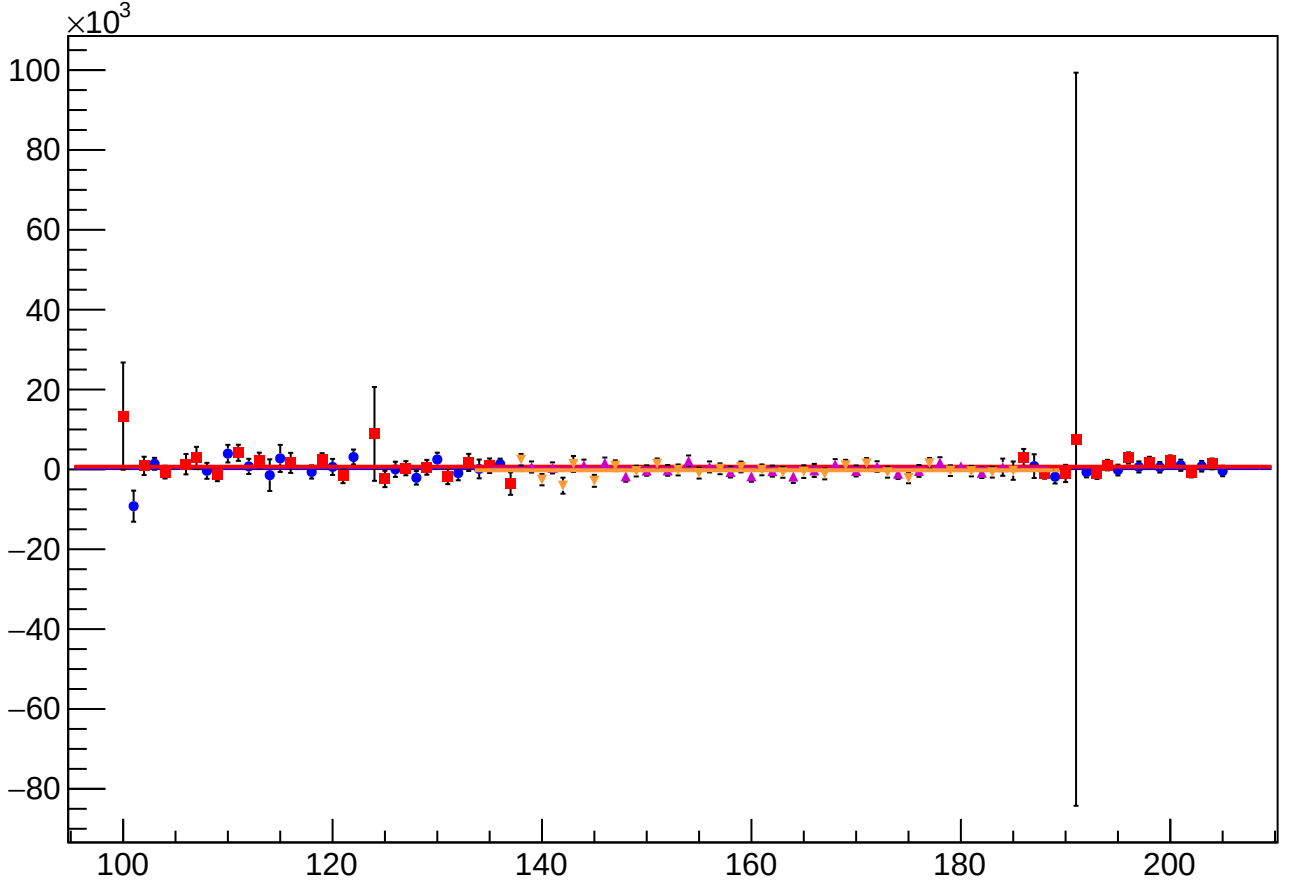
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15950624.7/49

All: 0.000+/-0.000 χ^2/NDF: 31475108.9/102

- sign 0.000+/-0.000 χ^2/NDF: 15243358.0/52

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 671.748+/-331.777 χ^2/NDF: 27.3/29

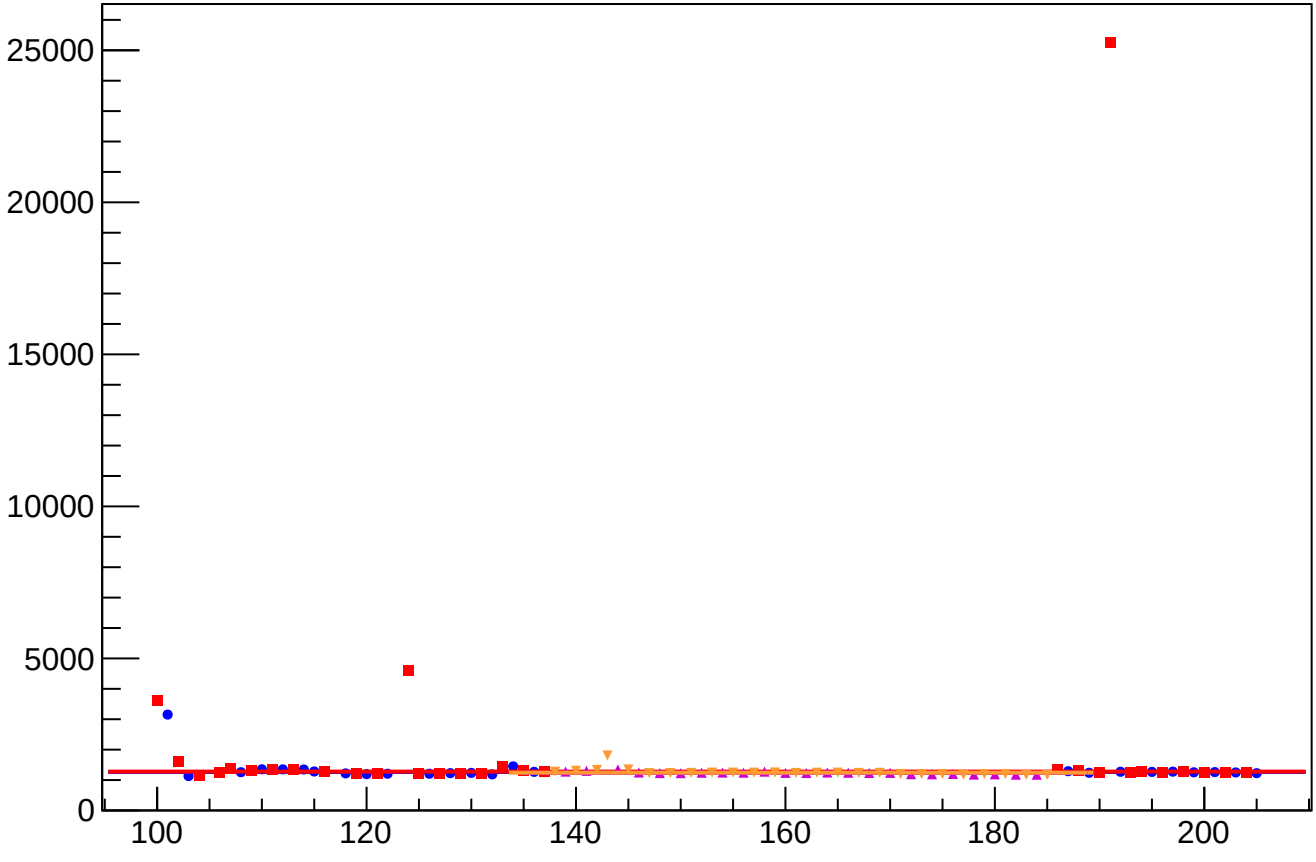
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 3.915+/-217.608 χ^2/NDF: 46.0/49

All: 172.762+/-153.863 χ^2/NDF: 90.9/102

- sign 341.570+/-217.583 χ^2/NDF: 43.8/52

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

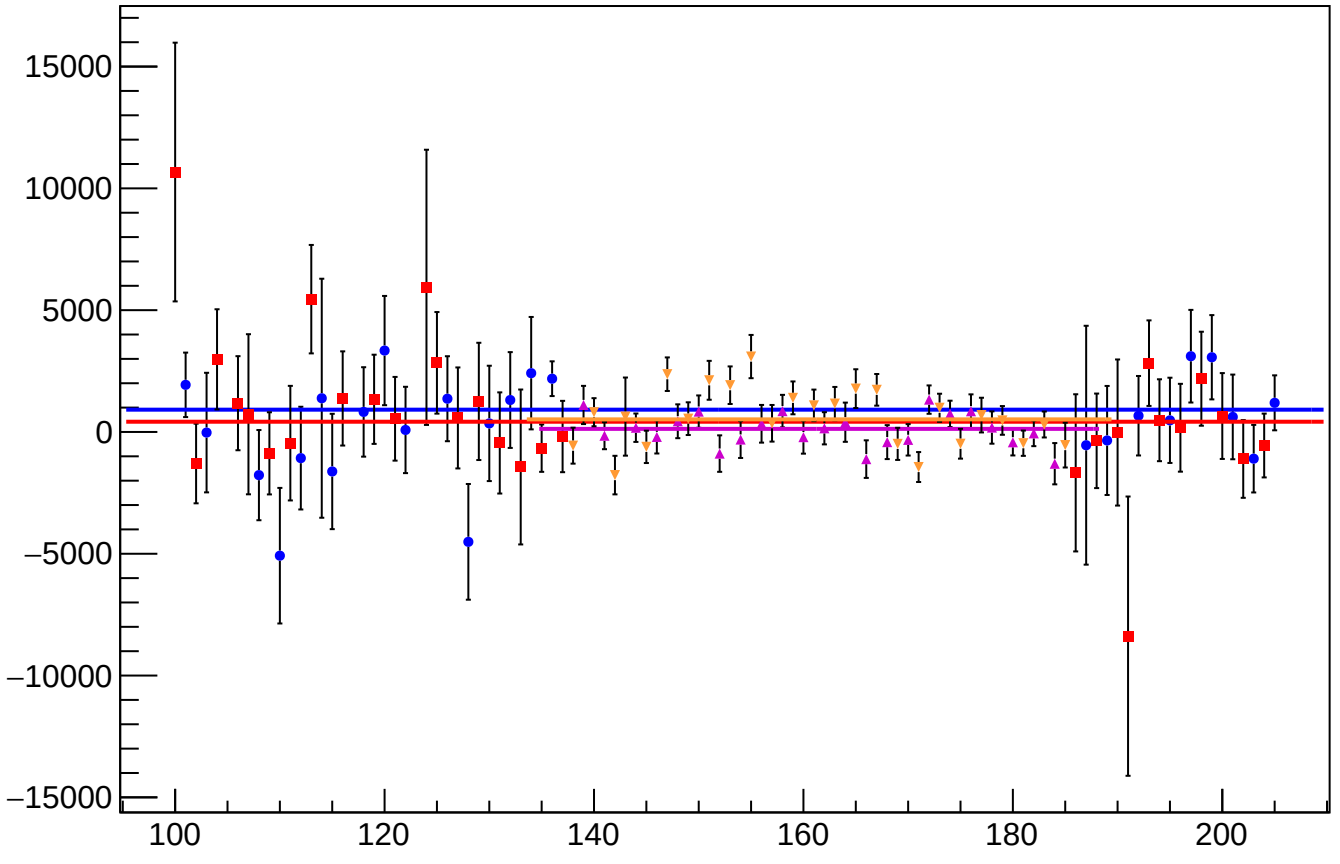
Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731138.6/49

All: 1252.304+/-0.109 χ^2/NDF: 1261125.4/10

- sign 1252.652+/-0.154 χ^2/NDF: 529976.6/52



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 420.300+/-348.719 χ^2/NDF: 24.4/29

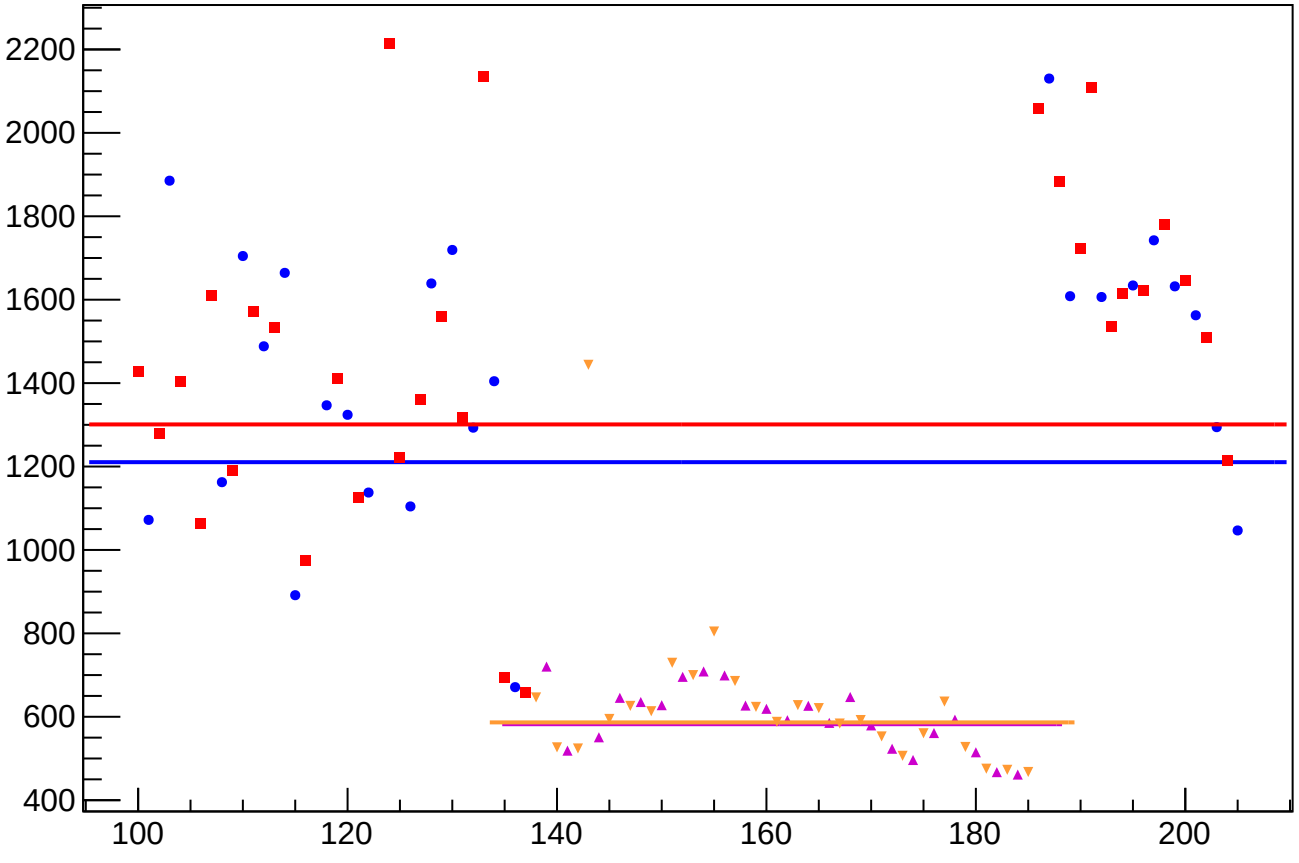
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 571.856+/-126.015 χ^2/NDF: 93.7/49

All: 371.655+/-89.705 χ^2/NDF: 145.4/102

\- sign 165.975+/-127.727 χ^2/NDF: 46.6/52

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

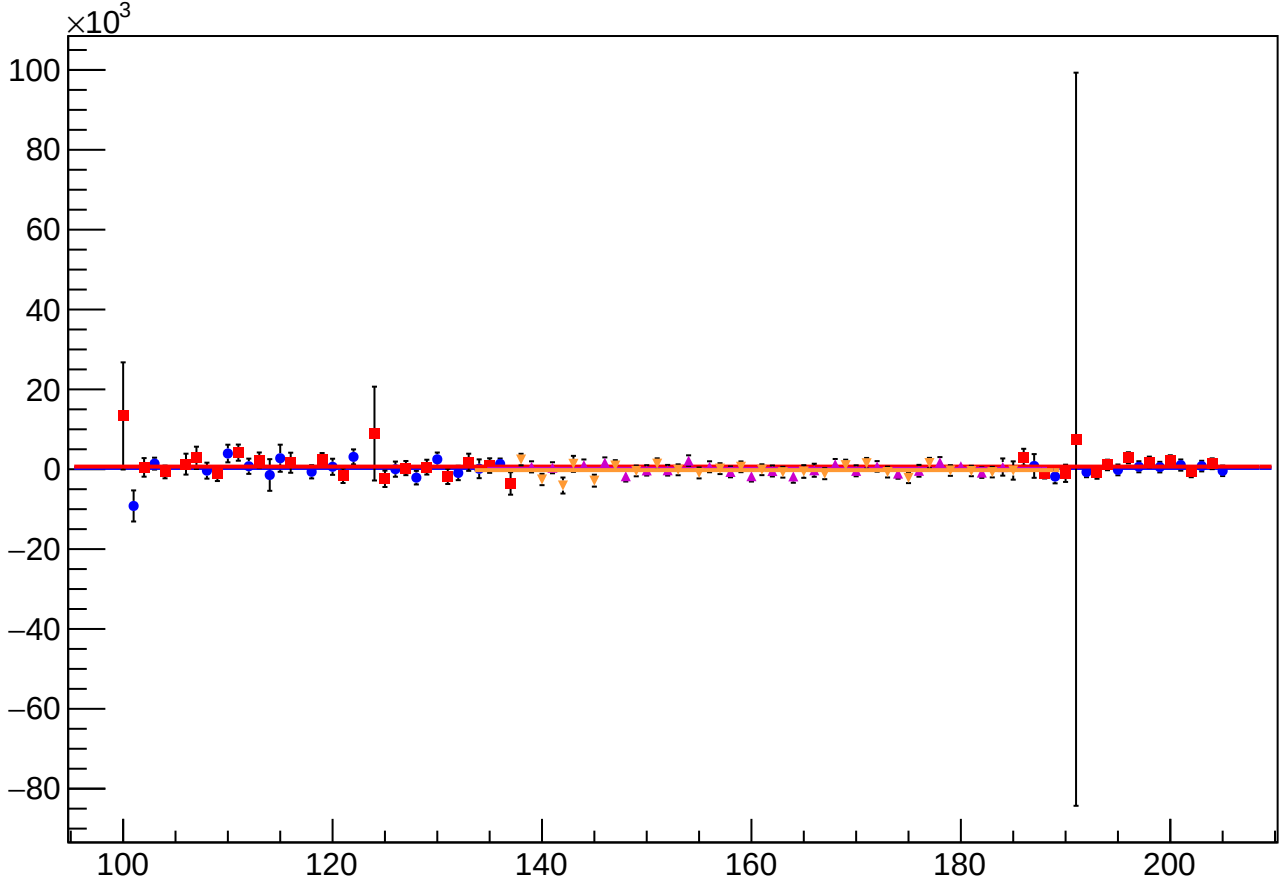
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 672.807+/-0.089 χ^2/NDF: 9491604.9/49

All: 675.674+/-0.063 χ^2/NDF: 19769631.2/10

- sign 678.619+/-0.090 χ^2/NDF: 10275927.7/52

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

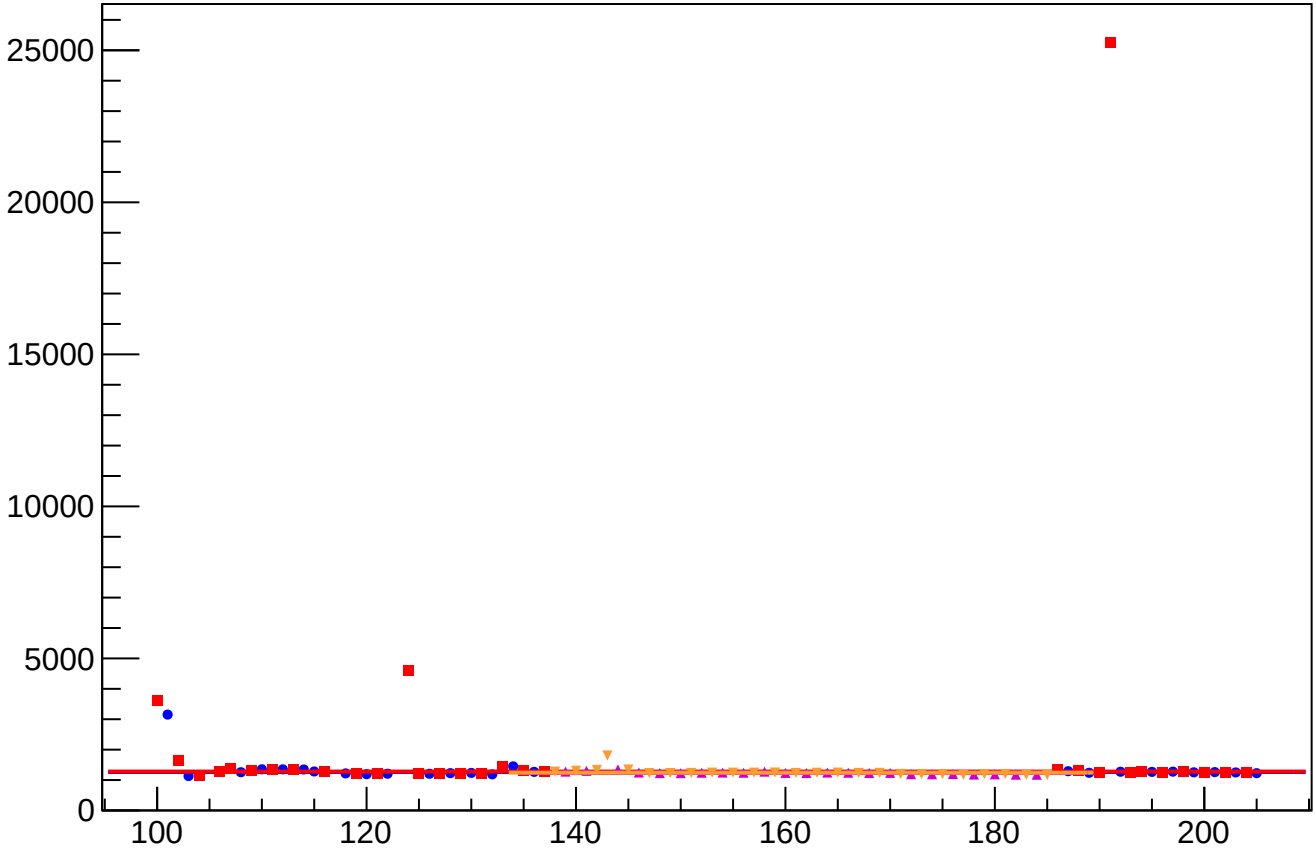
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 170.602+/-153.890 χ^2/NDF: 90.8/102

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

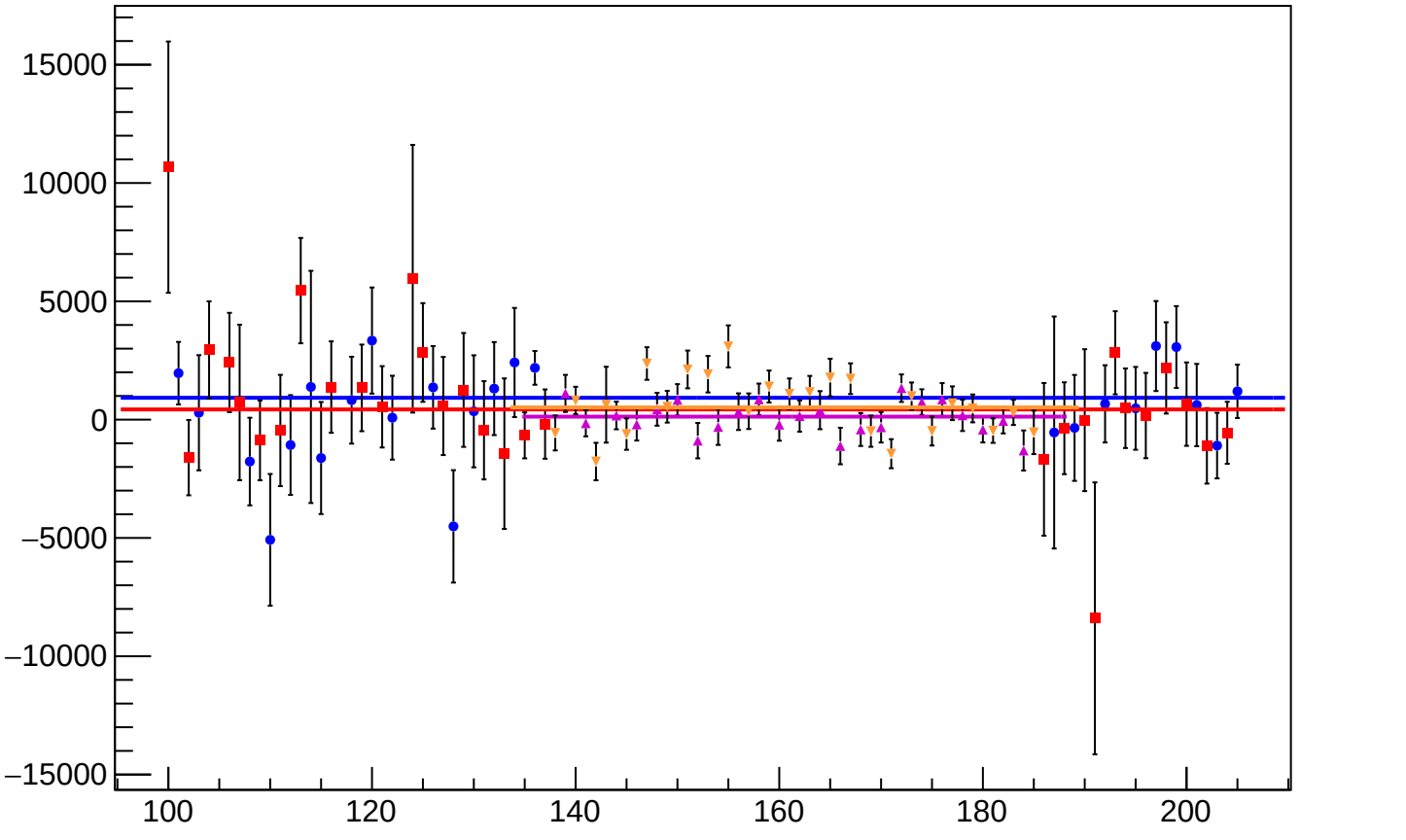
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

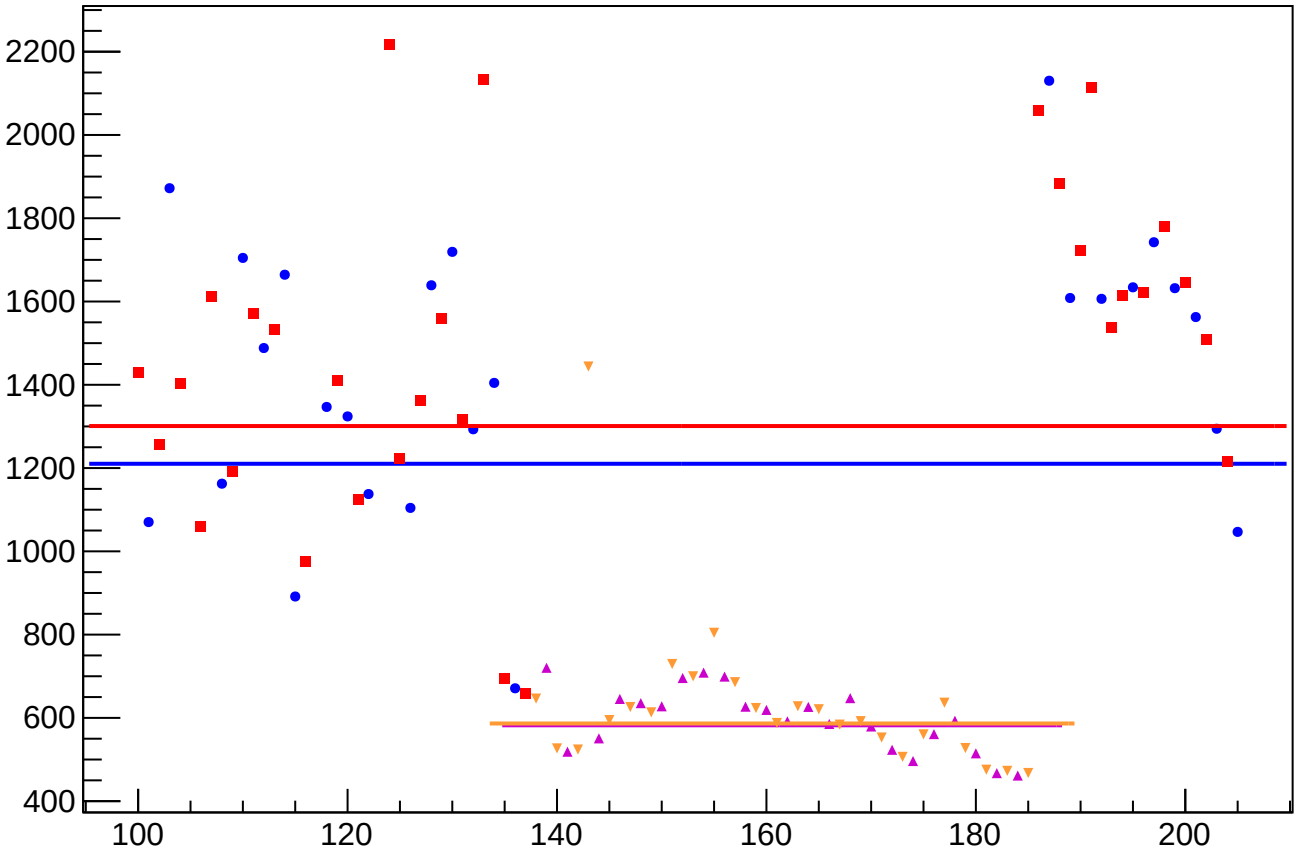
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 372.920+/-89.711 χ^2/NDF: 146.7/102

\- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

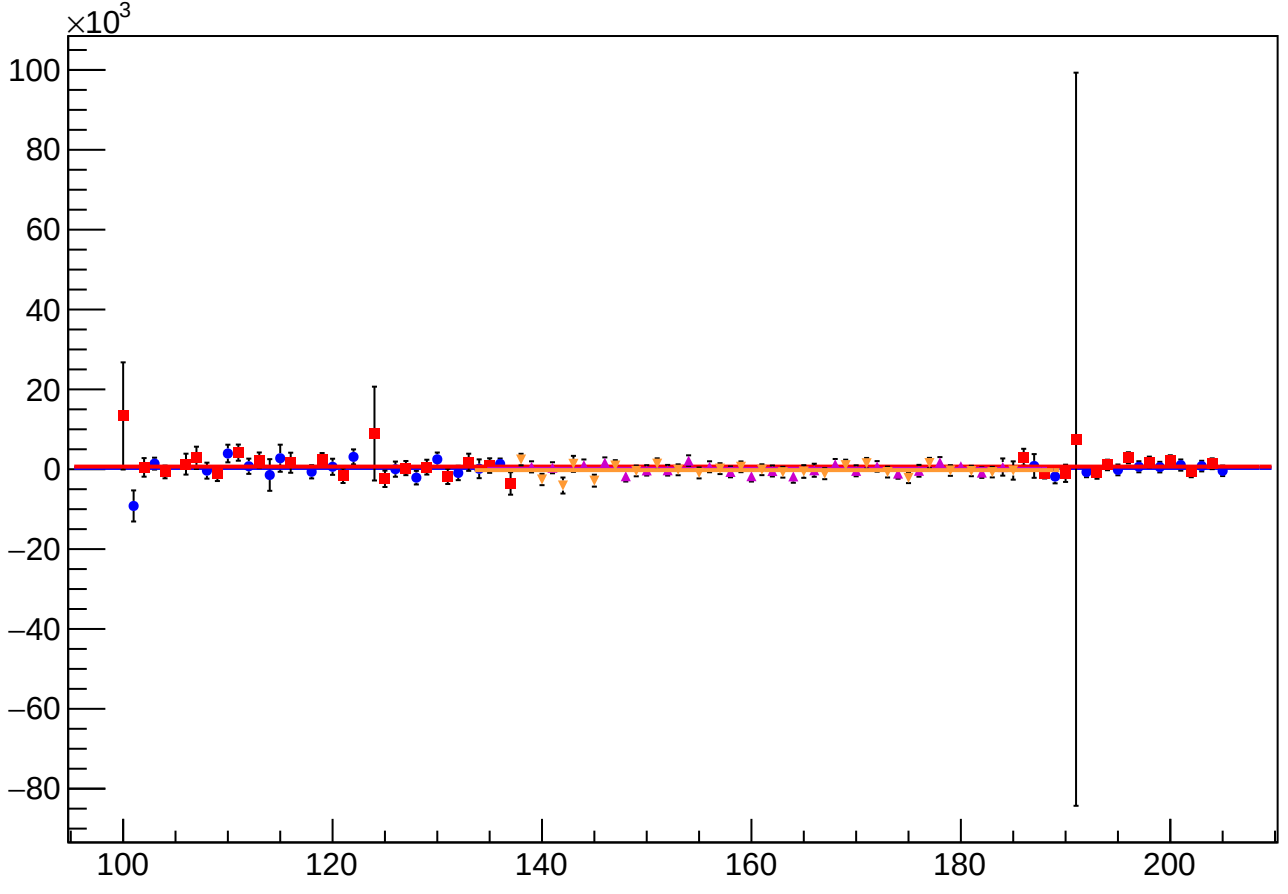
Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

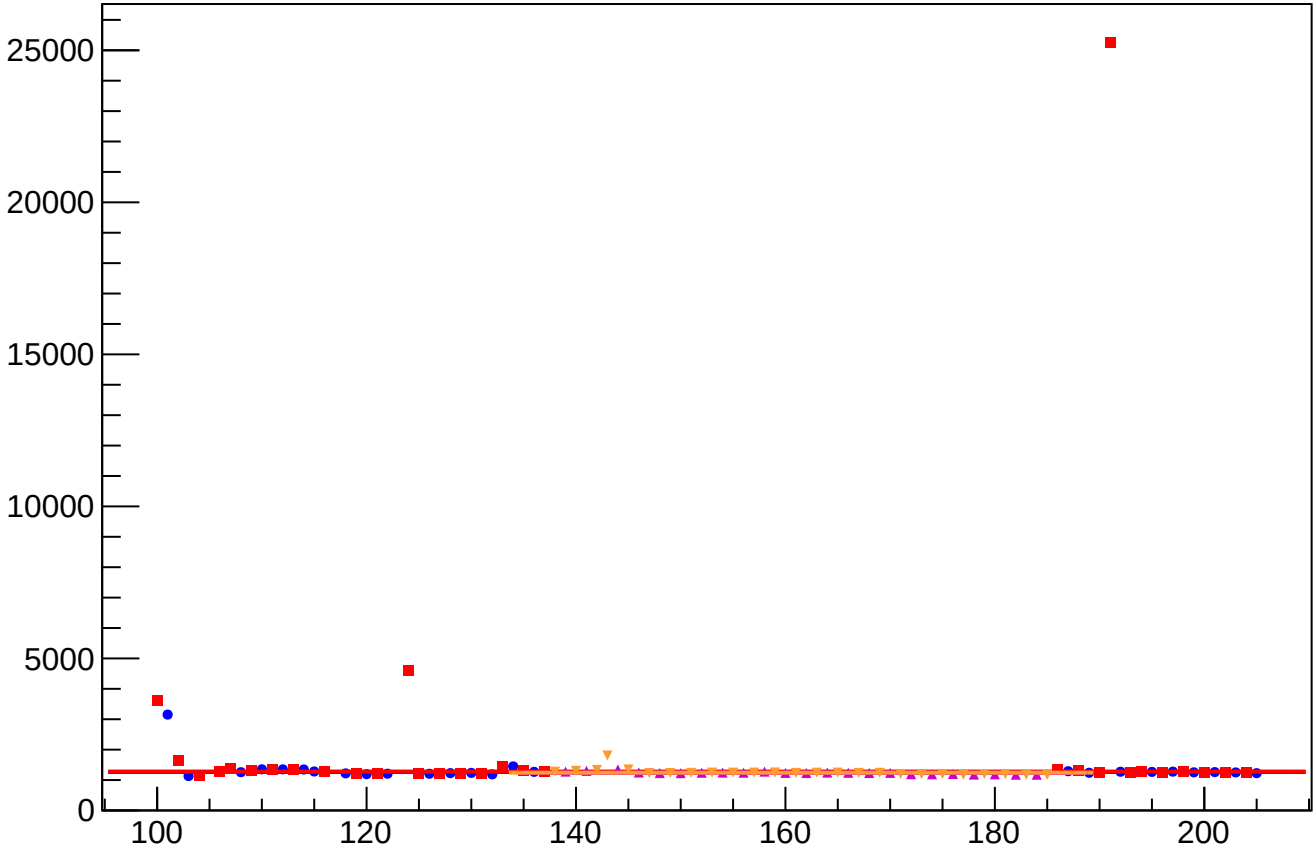
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 170.602+/-153.890 χ^2/NDF: 90.8/102

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

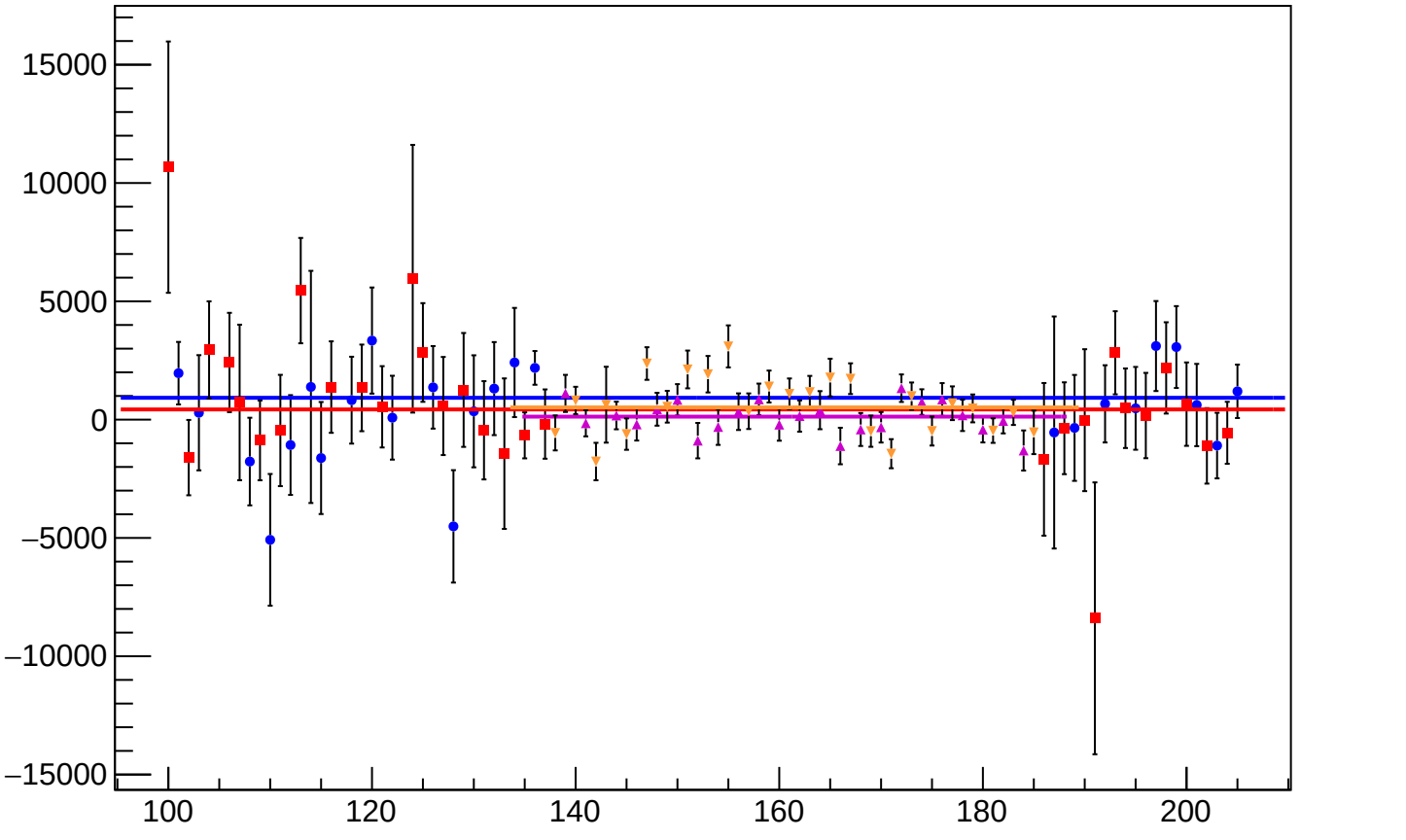
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

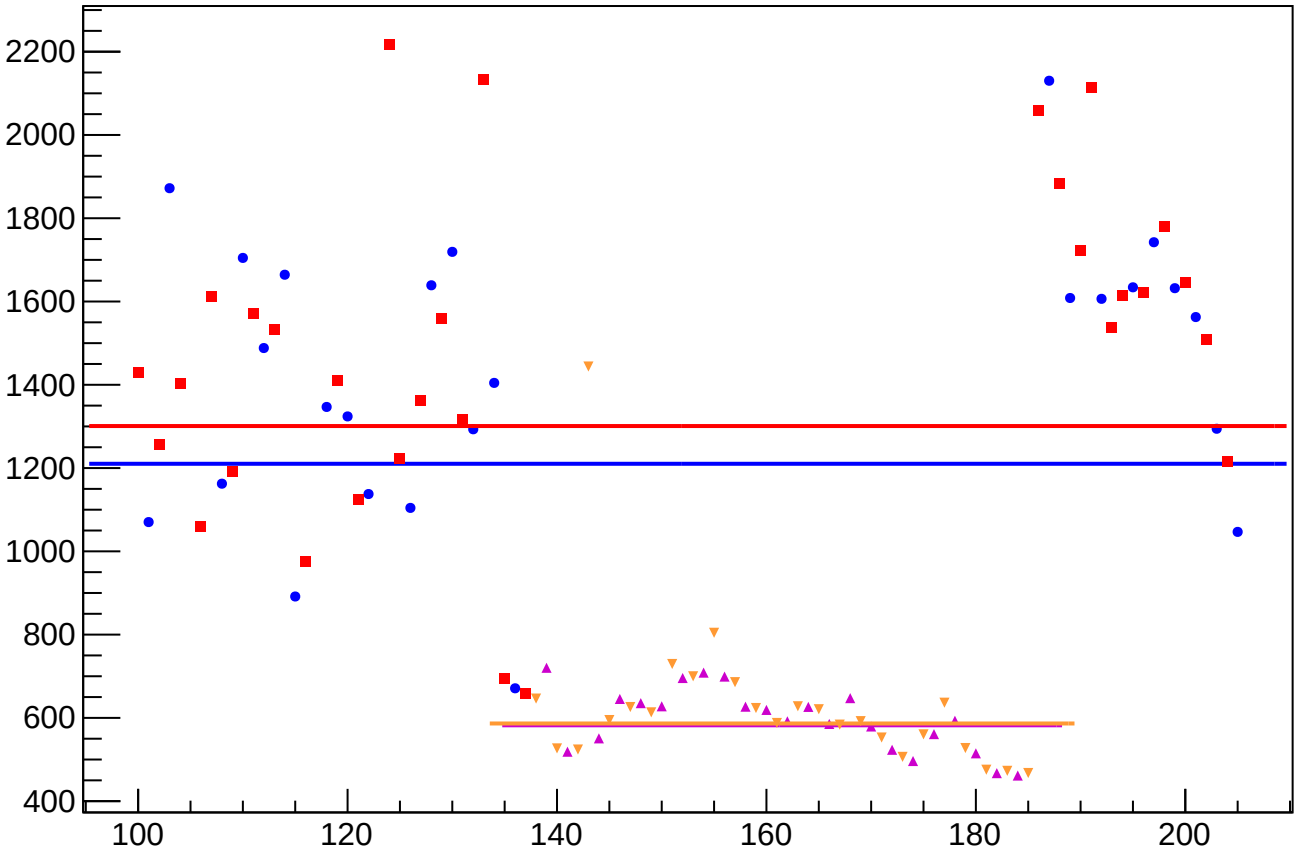
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 372.920+/-89.711 χ^2/NDF: 146.7/102

- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

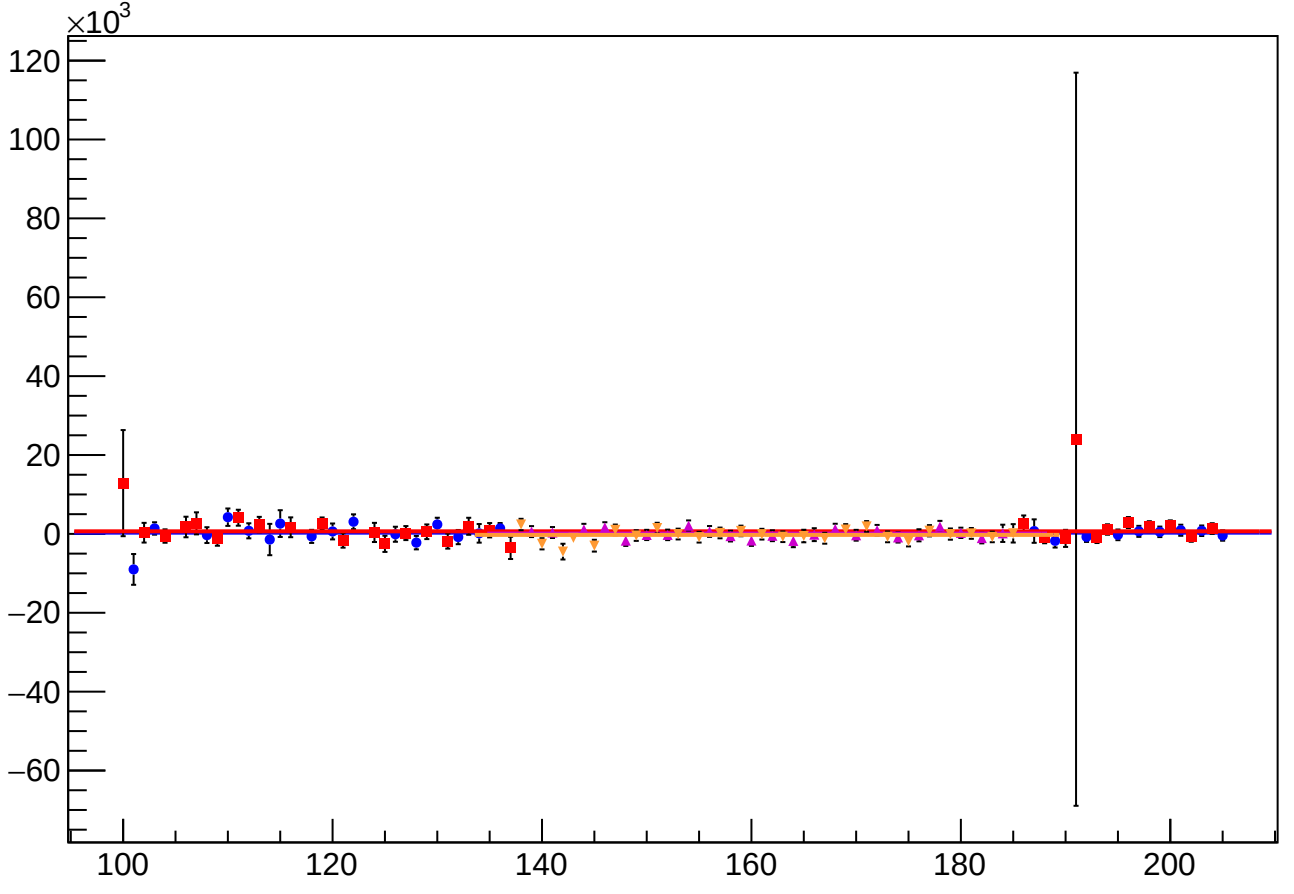
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.324+/-330.942 χ^2/NDF: 26.8/29

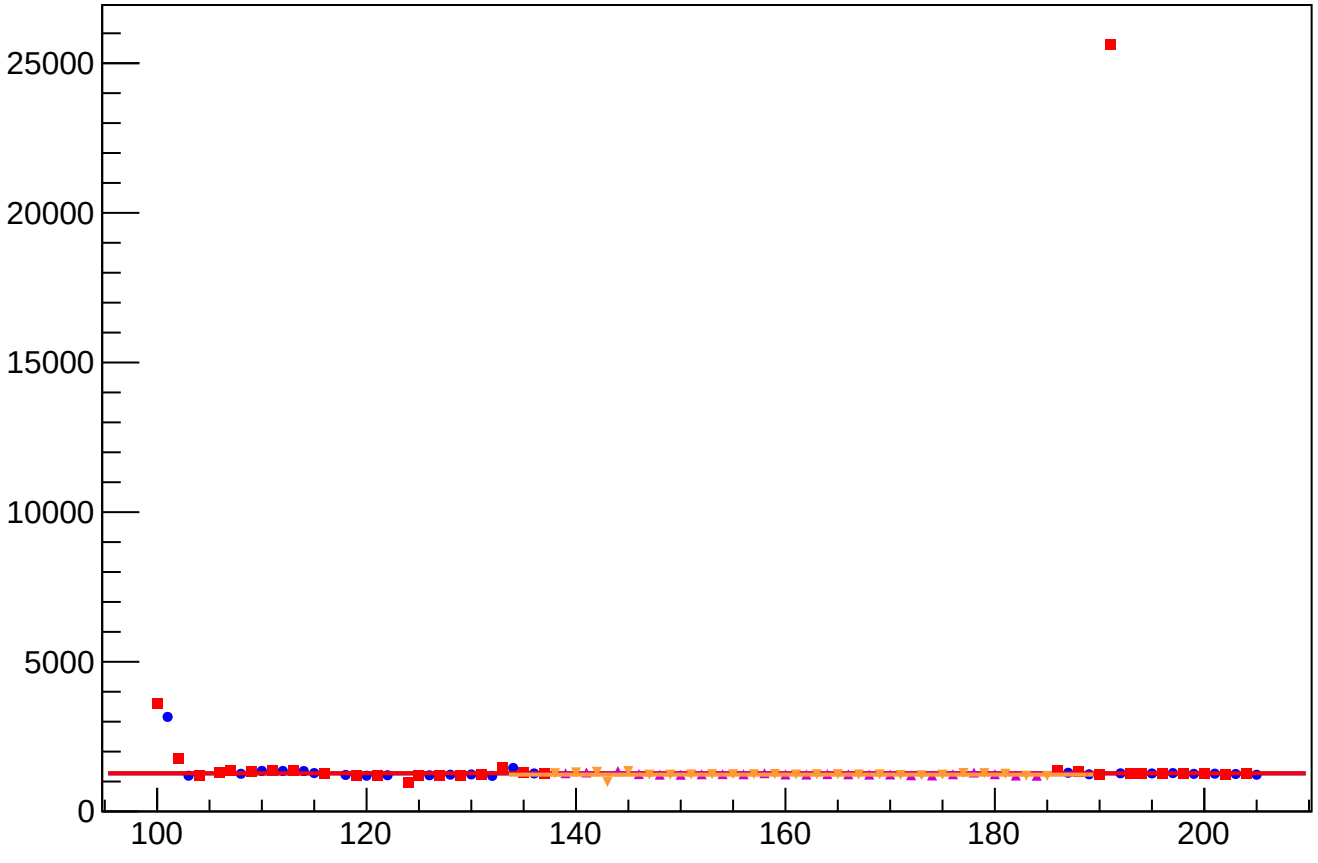
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 150.141+/-153.874 χ^2/NDF: 90.0/102

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

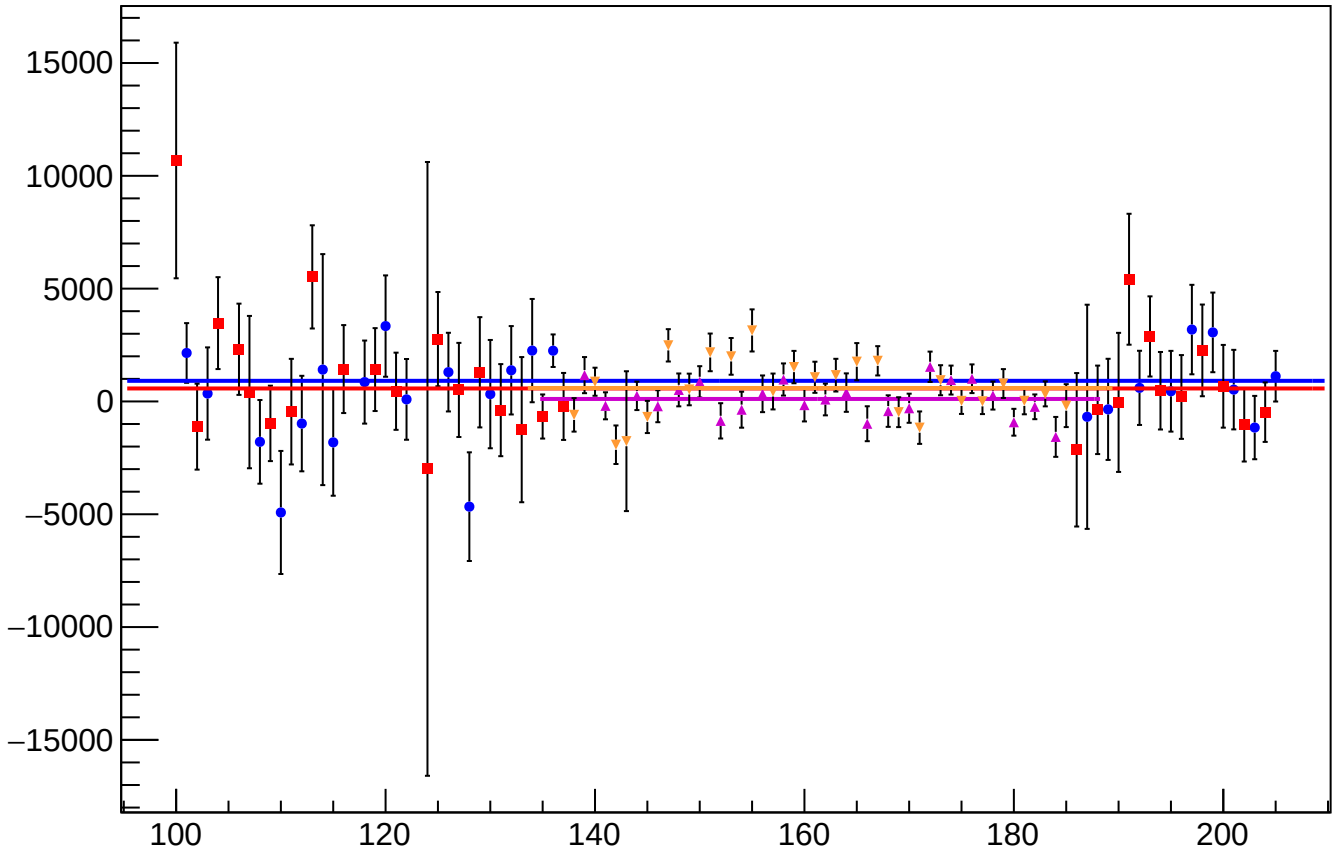
Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670087.7/49

All: 1253.201+/-0.109 χ^2/NDF: 1080413.2/10

- sign 1260.375+/-0.155 χ^2/NDF: 406066.3/52



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 574.936+/-353.530 χ^2/NDF: 24.9/29

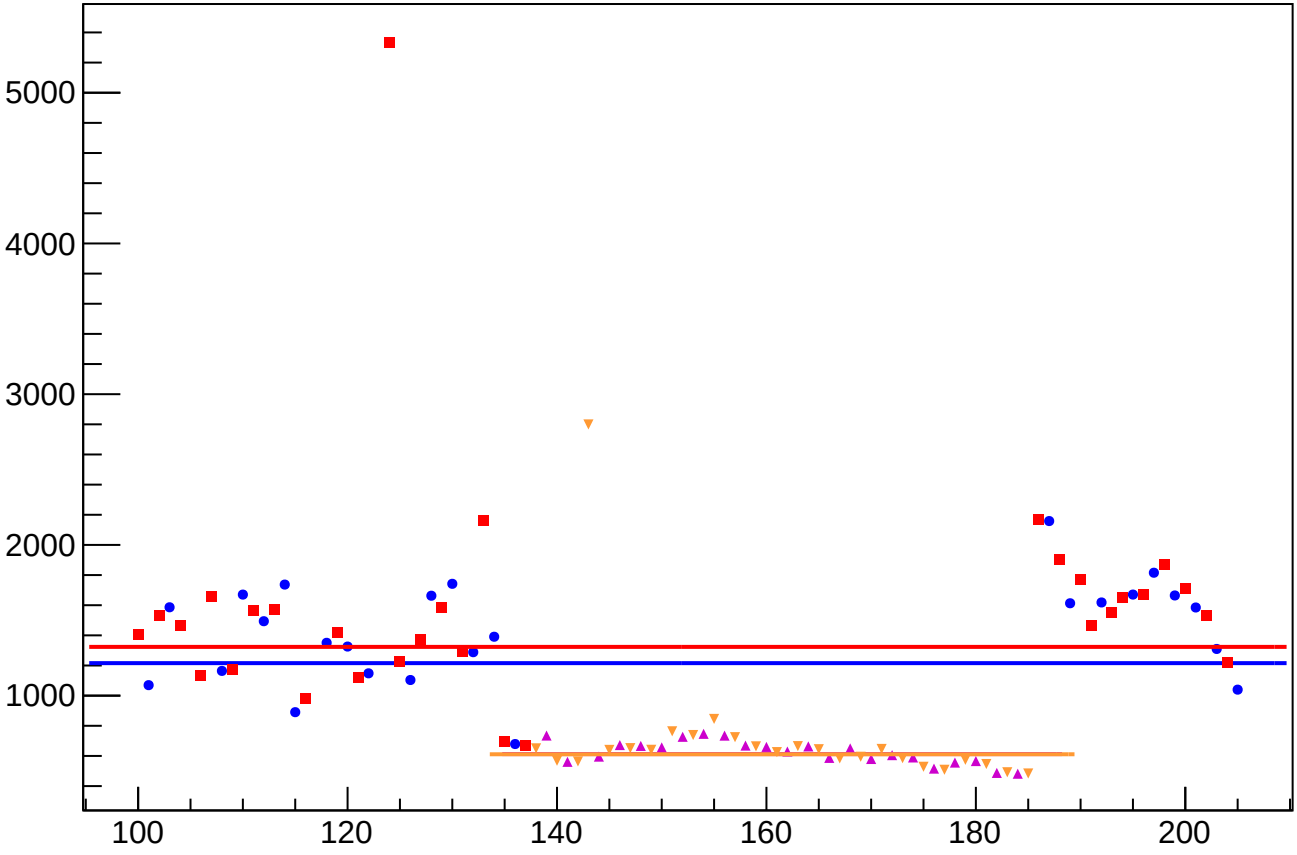
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 413.742+/-93.566 χ^2/NDF: 142.4/102

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

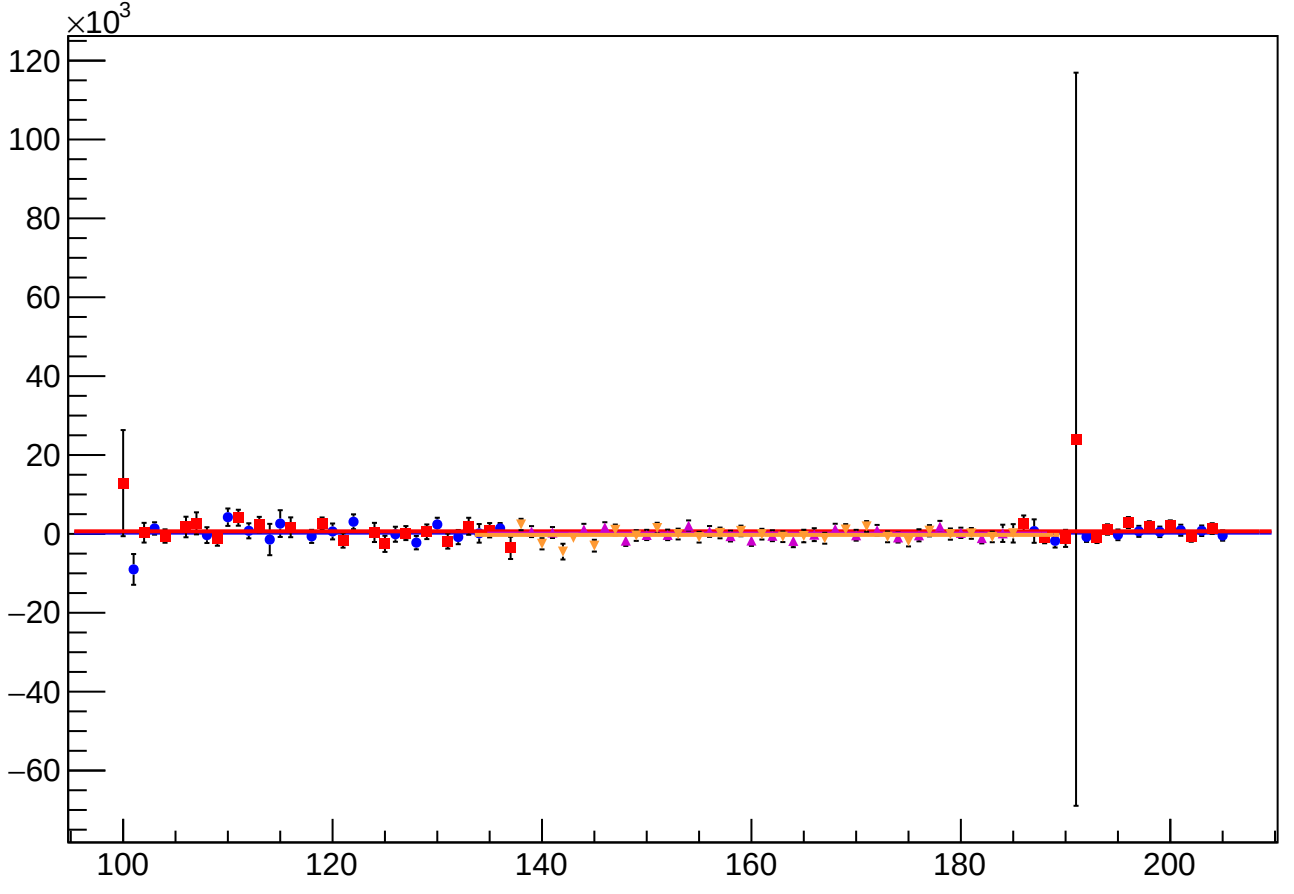
Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 701.031+/-0.093 χ^2/NDF: 9399485.1/49

All: 707.335+/-0.066 χ^2/NDF: 19429449.9/10

- sign 713.873+/-0.094 χ^2/NDF: 10020549.9/52



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.325+/-330.942 χ^2/NDF: 26.8/29

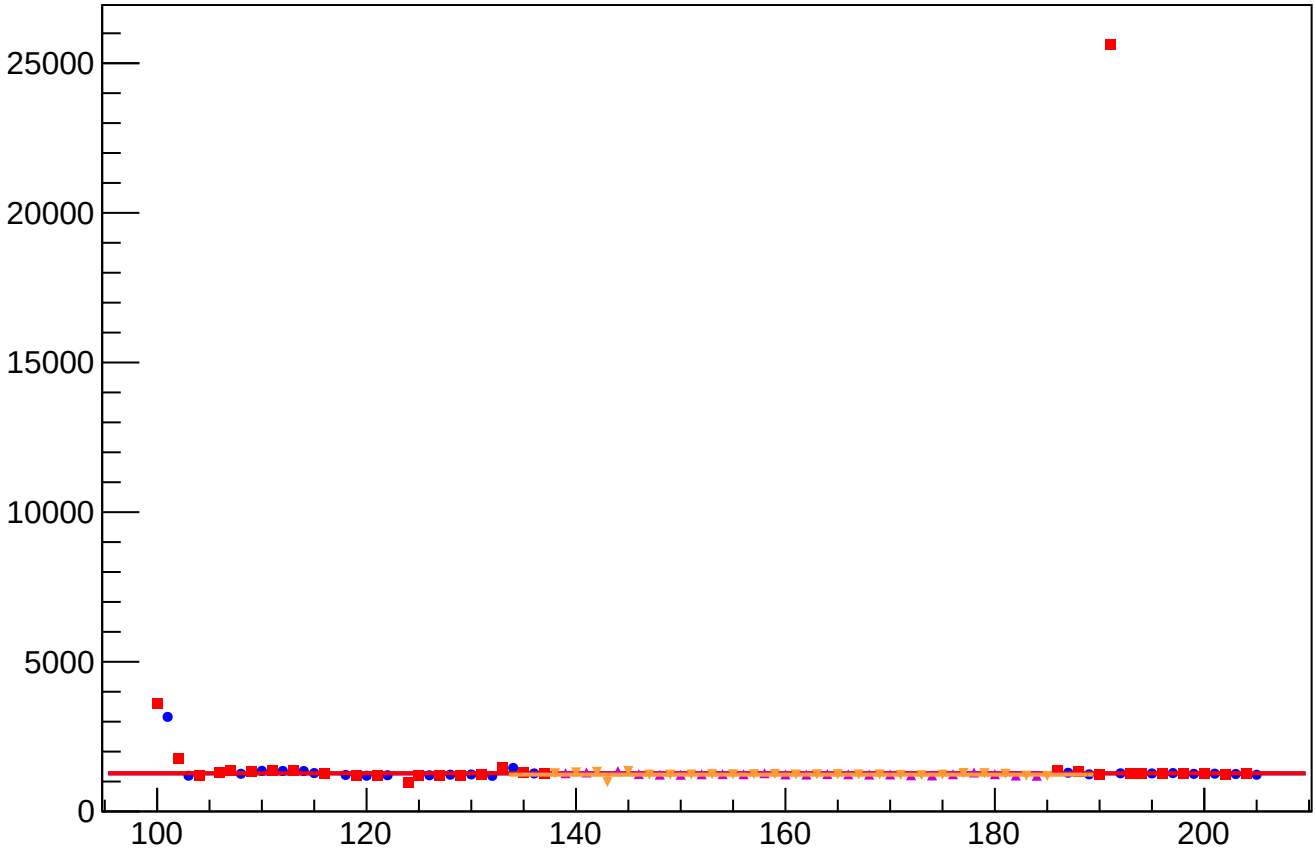
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 150.140+/-153.874 χ^2/NDF: 90.0/102

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

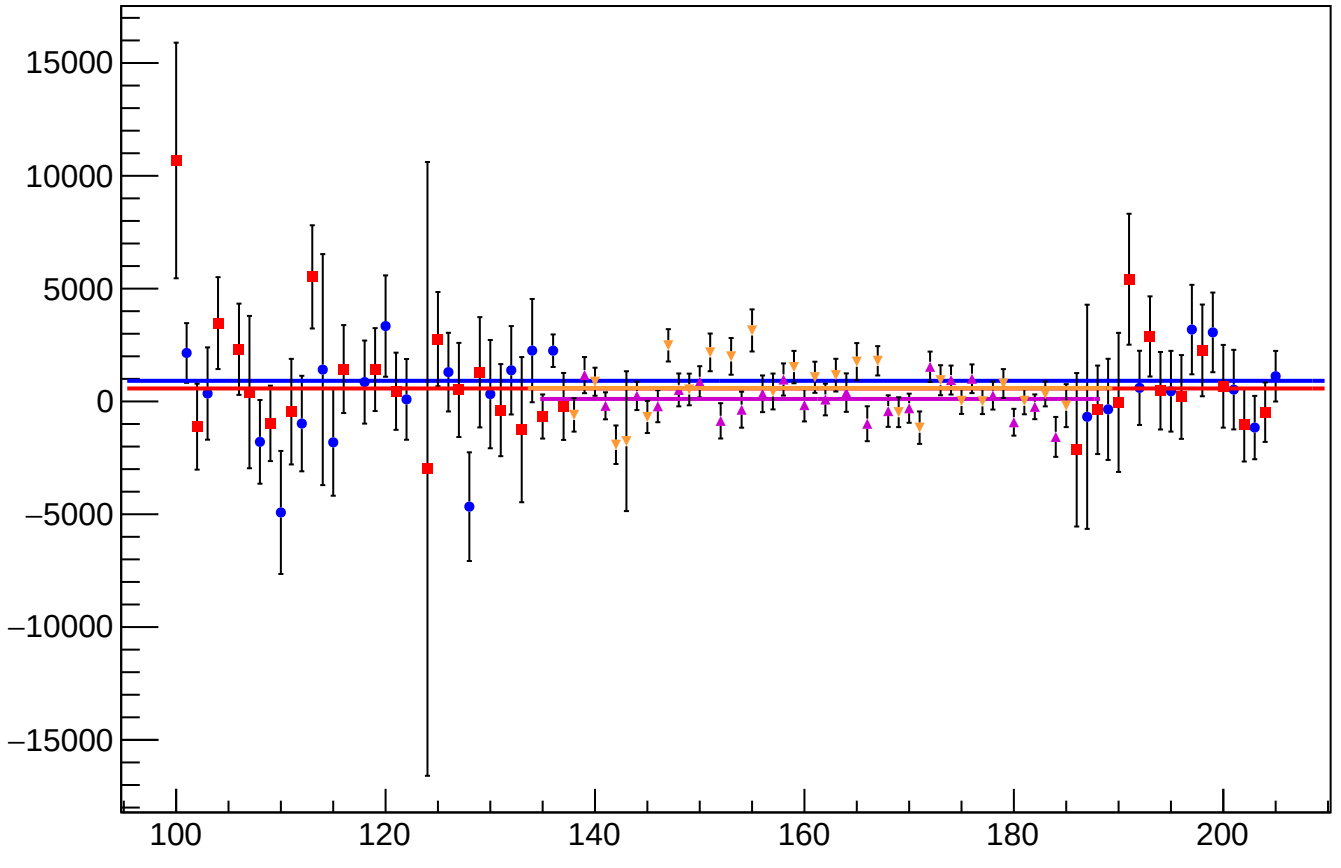
Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670086.9/49

All: 1253.201+/-0.109 χ^2/NDF: 1080412.2/10

- sign 1260.374+/-0.155 χ^2/NDF: 406066.1/52



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

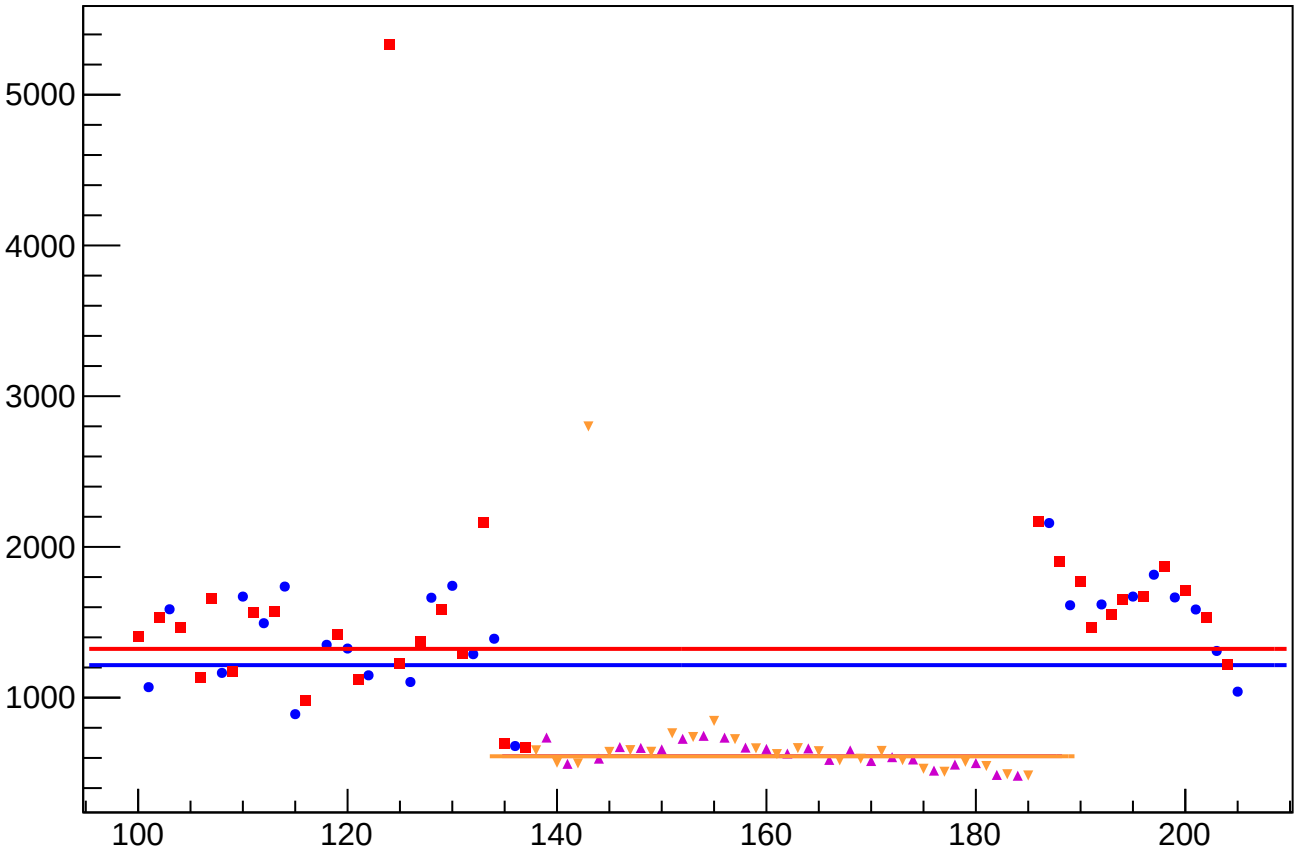
Right Out: 574.944+/-353.531 χ^2/NDF: 24.9/29

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 413.741+/-93.566 χ^2/NDF: 142.4/102

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

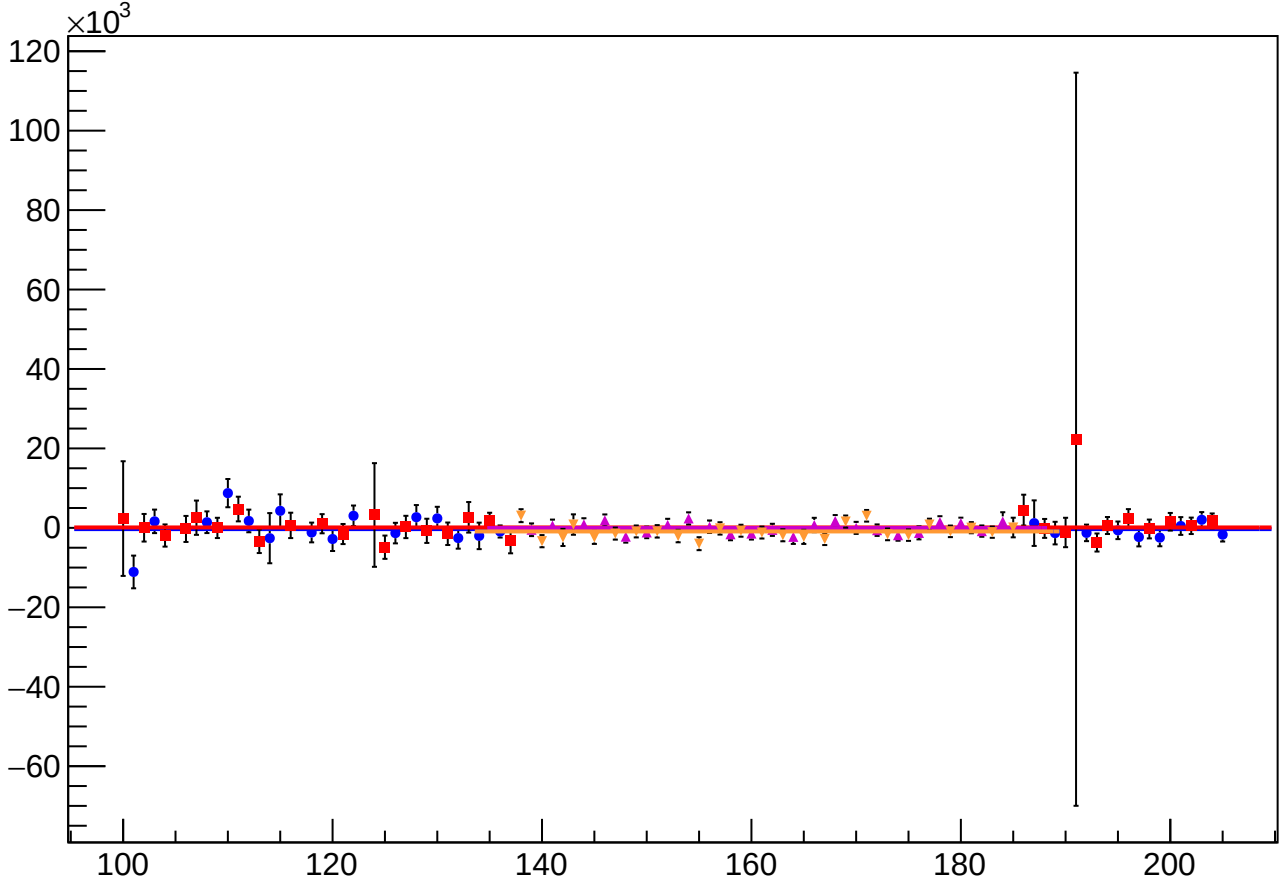
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 701.031+/-0.093 χ^2/NDF: 9399466.7/49

All: 707.335+/-0.066 χ^2/NDF: 19429442.9/10

\- sign 713.872+/-0.094 χ^2/NDF: 10020562.0/52

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 103.218+/-509.365 χ^2/NDF: 17.2/29

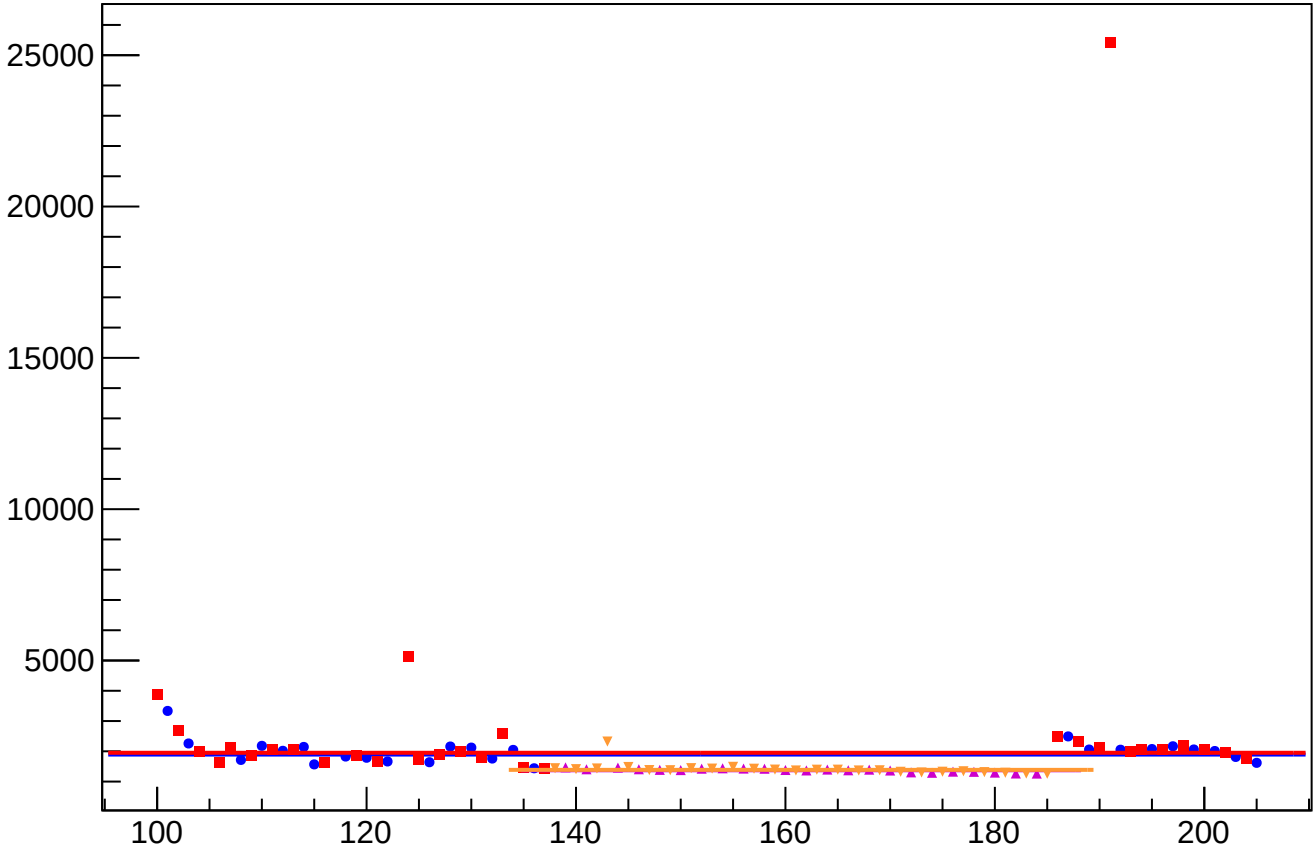
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -737.315+/-269.110 χ^2/NDF: 56.7/49

All: -374.511+/-191.139 χ^2/NDF: 95.5/102

- sign -5.156+/-271.528 χ^2/NDF: 35.1/52

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

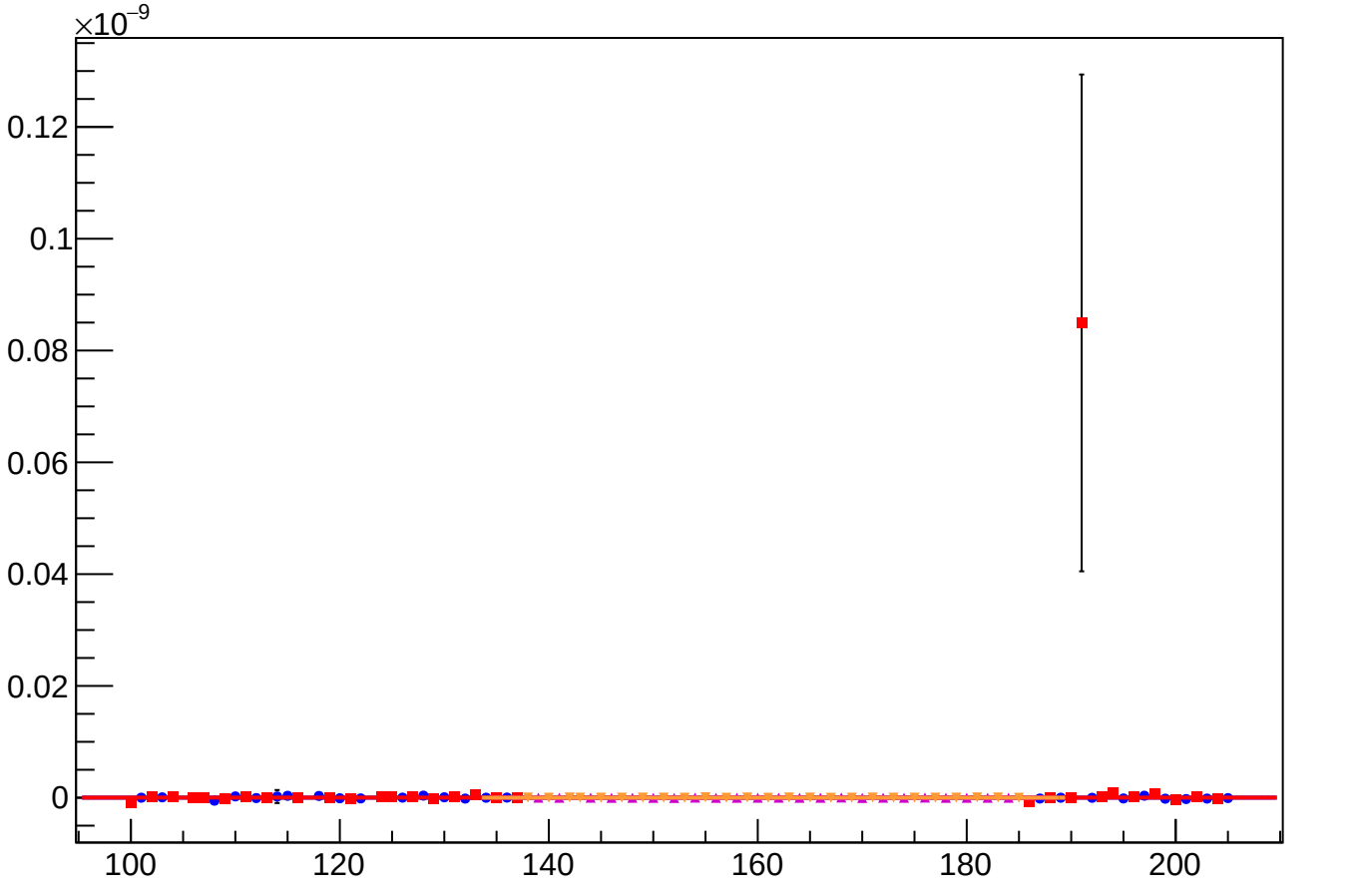
Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1526.800+/-0.190 χ^2/NDF: 2472442.6/49

All: 1532.103+/-0.135 χ^2/NDF: 5219126.4/10

- sign 1537.503+/-0.192 χ^2/NDF: 2745116.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

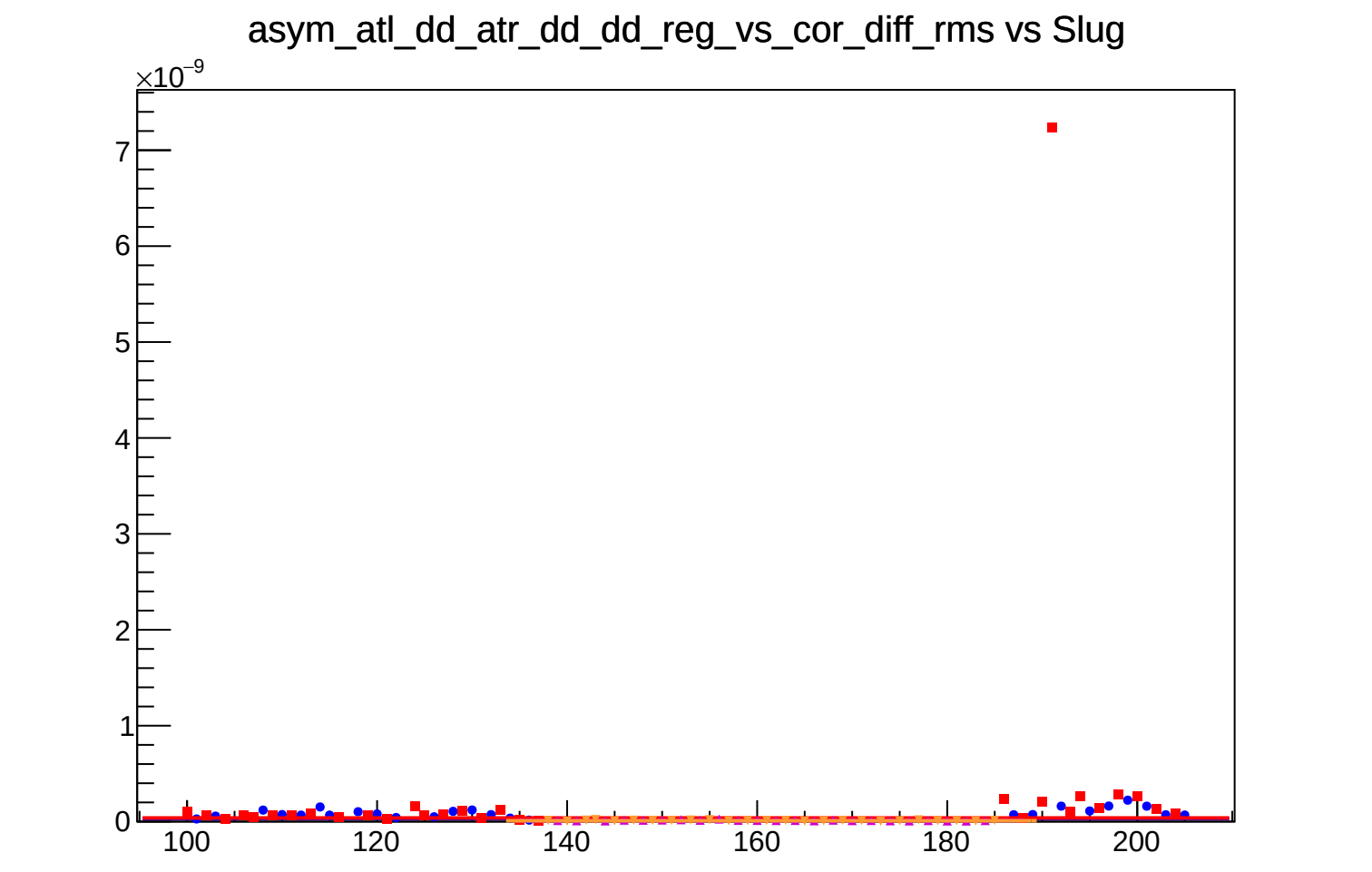
Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/49

All: 0.000+/-0.000 χ^2/NDF: 108.0/102

- sign -0.000+/-0.000 χ^2/NDF: 60.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6192051.8/29

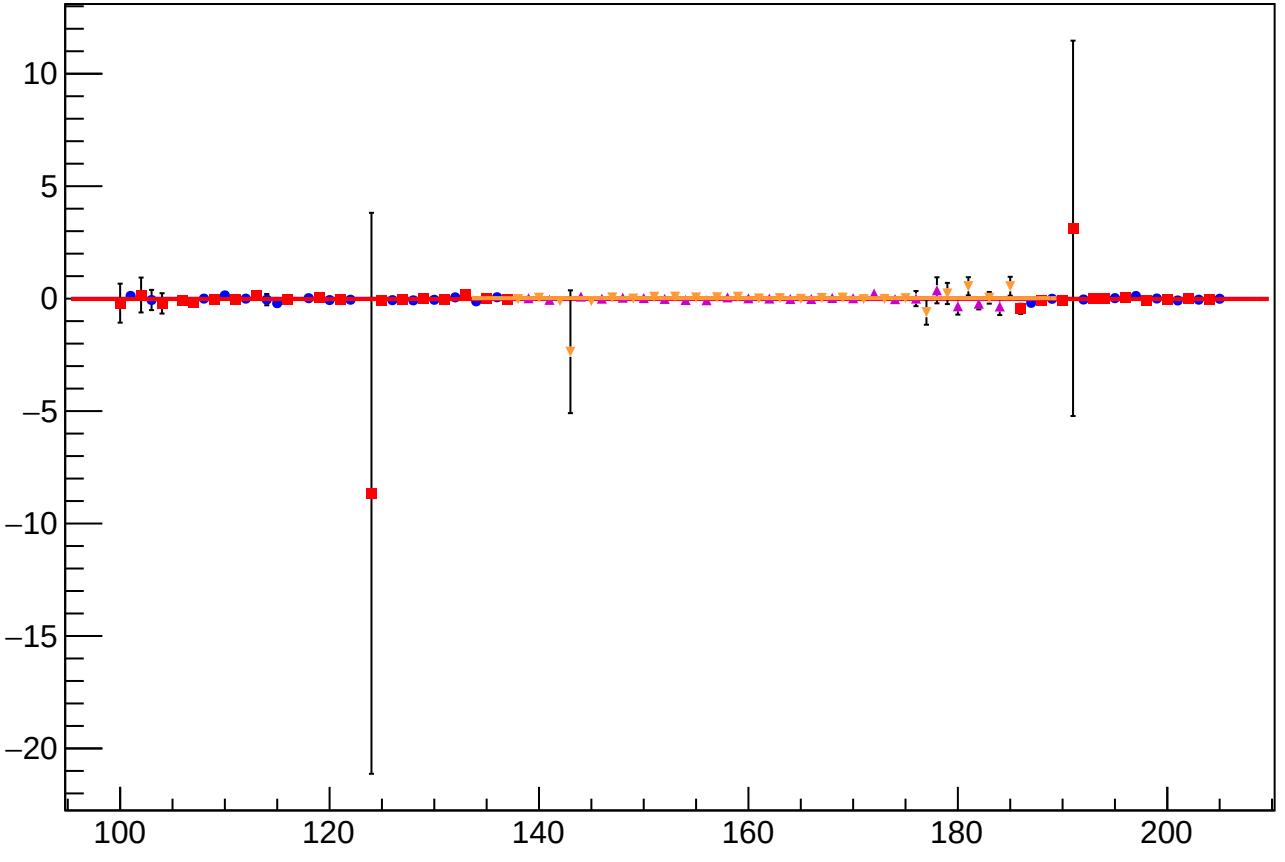
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11016416.2/49

All: 0.000+/-0.000 χ^2/NDF: 22057576.3/102

- sign 0.000+/-0.000 χ^2/NDF: 10771844.0/52

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

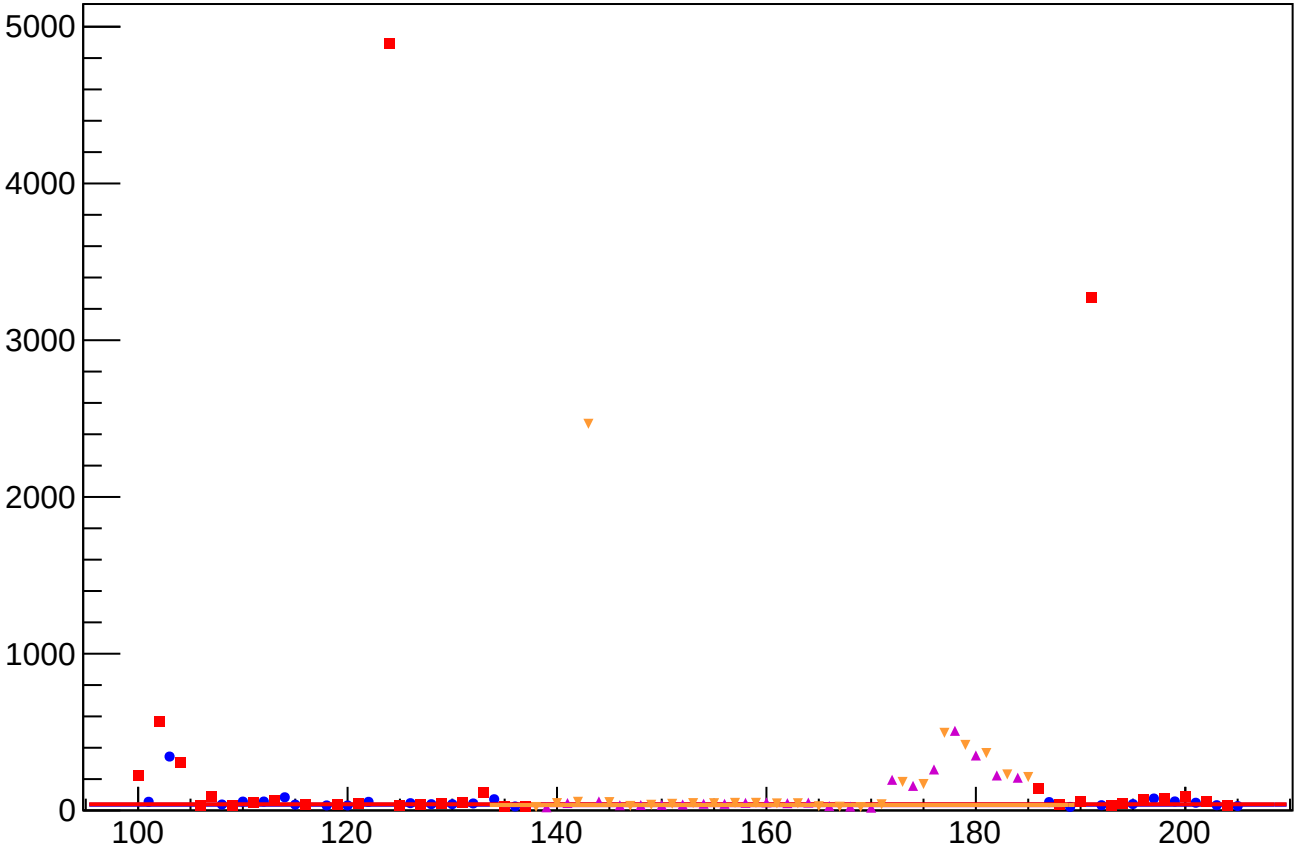
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

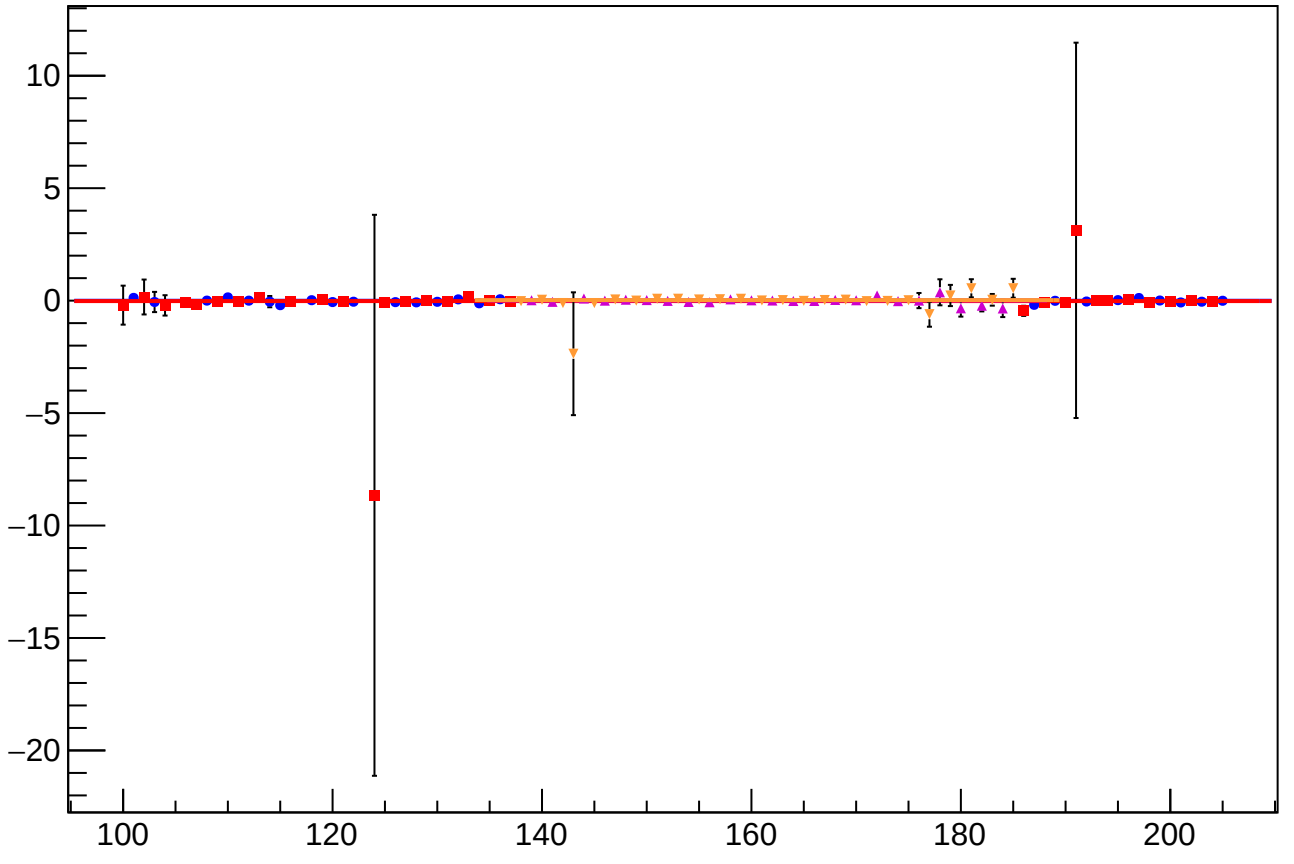
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

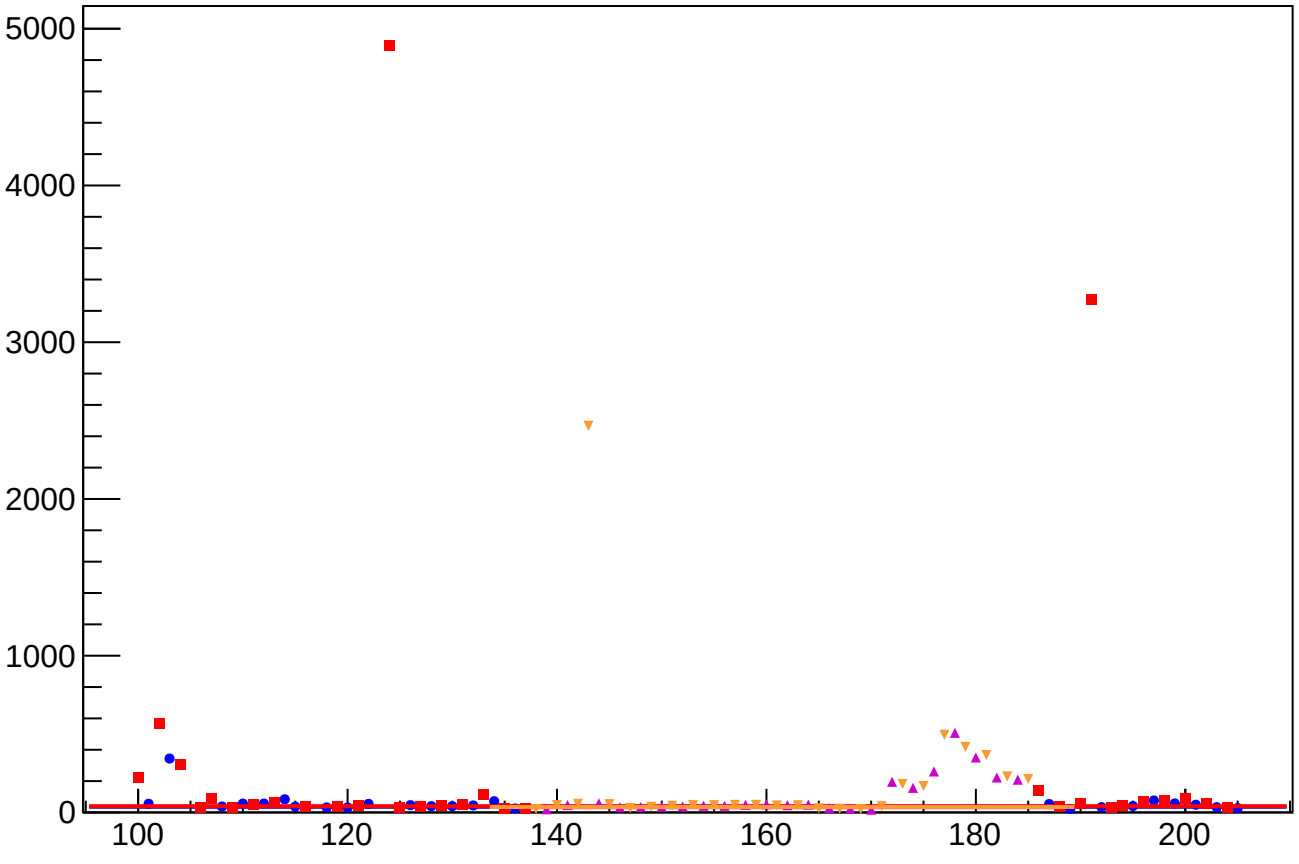
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

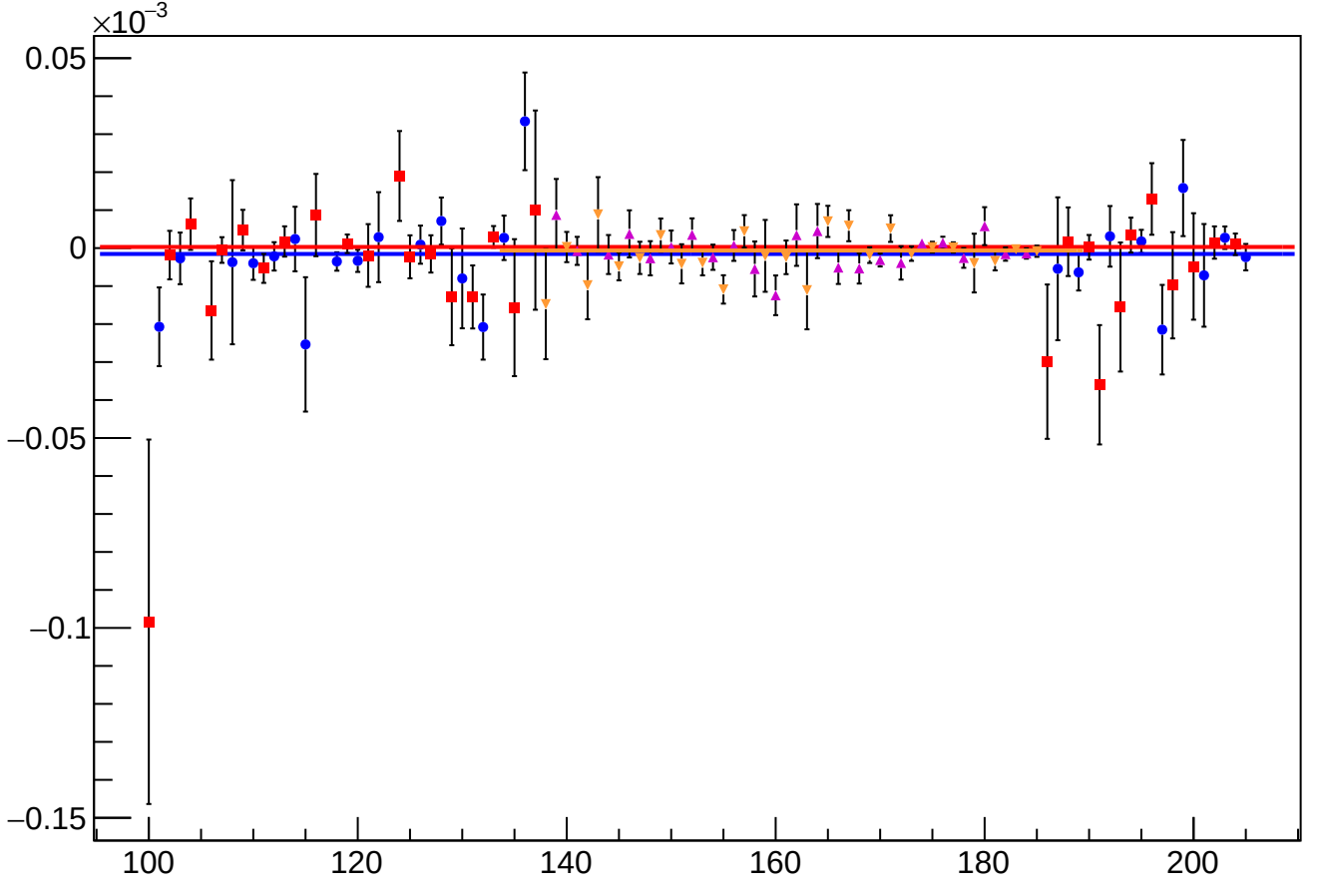
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

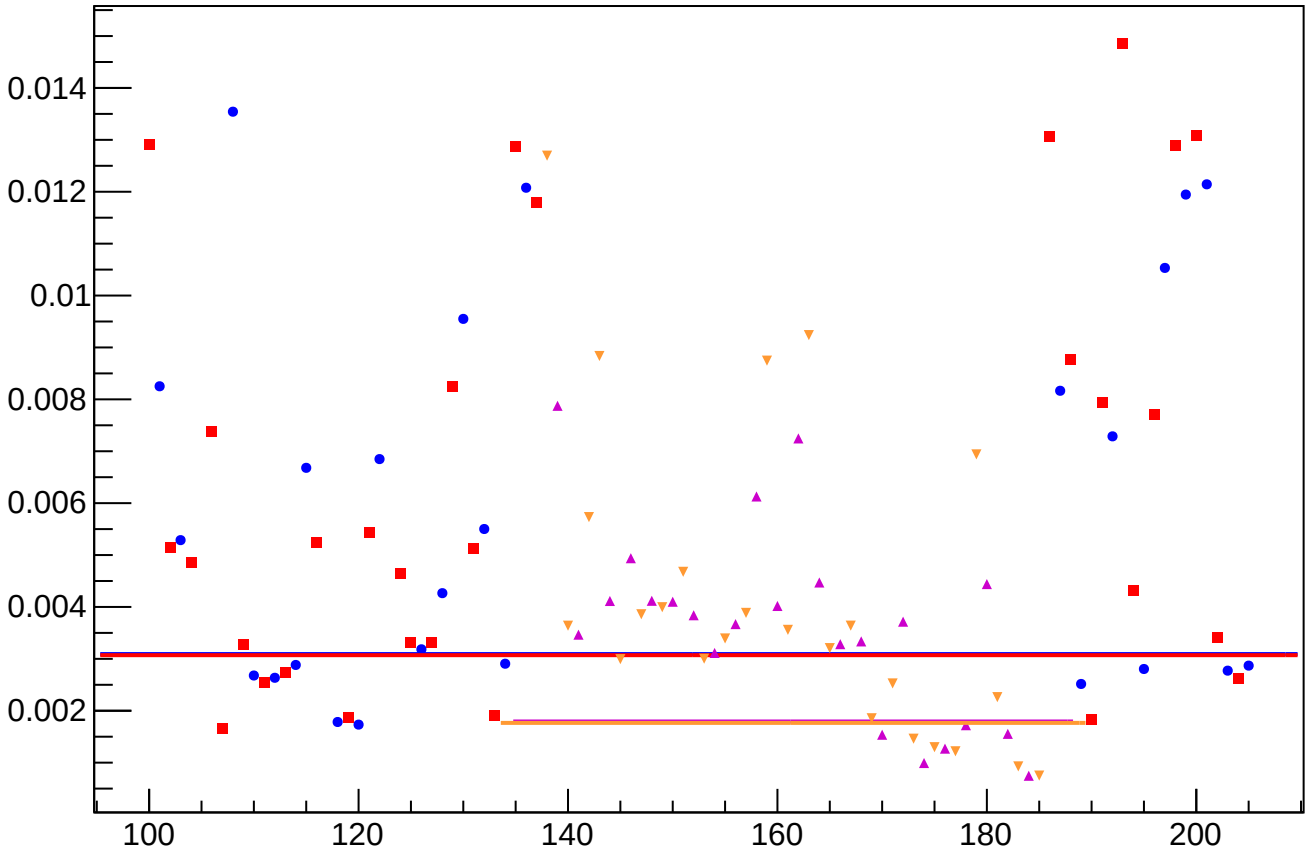
Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/49

All: -0.000+/-0.000 χ^2/NDF: 114.5/102

- sign -0.000+/-0.000 χ^2/NDF: 53.0/52



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

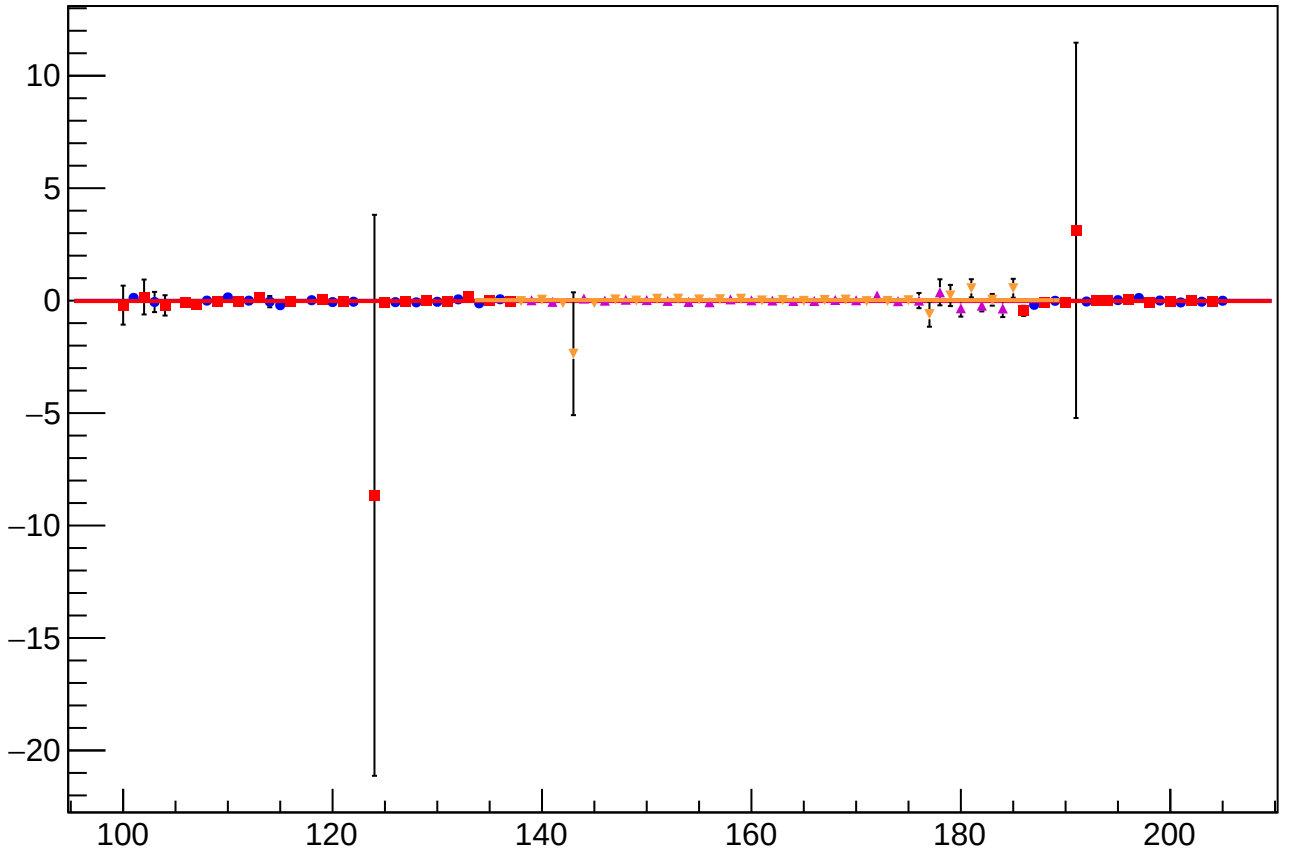
Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23301889.6/49

All: 0.002+/-0.000 χ^2/NDF: 45648694.6/102

- sign 0.002+/-0.000 χ^2/NDF: 22324064.3/52



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

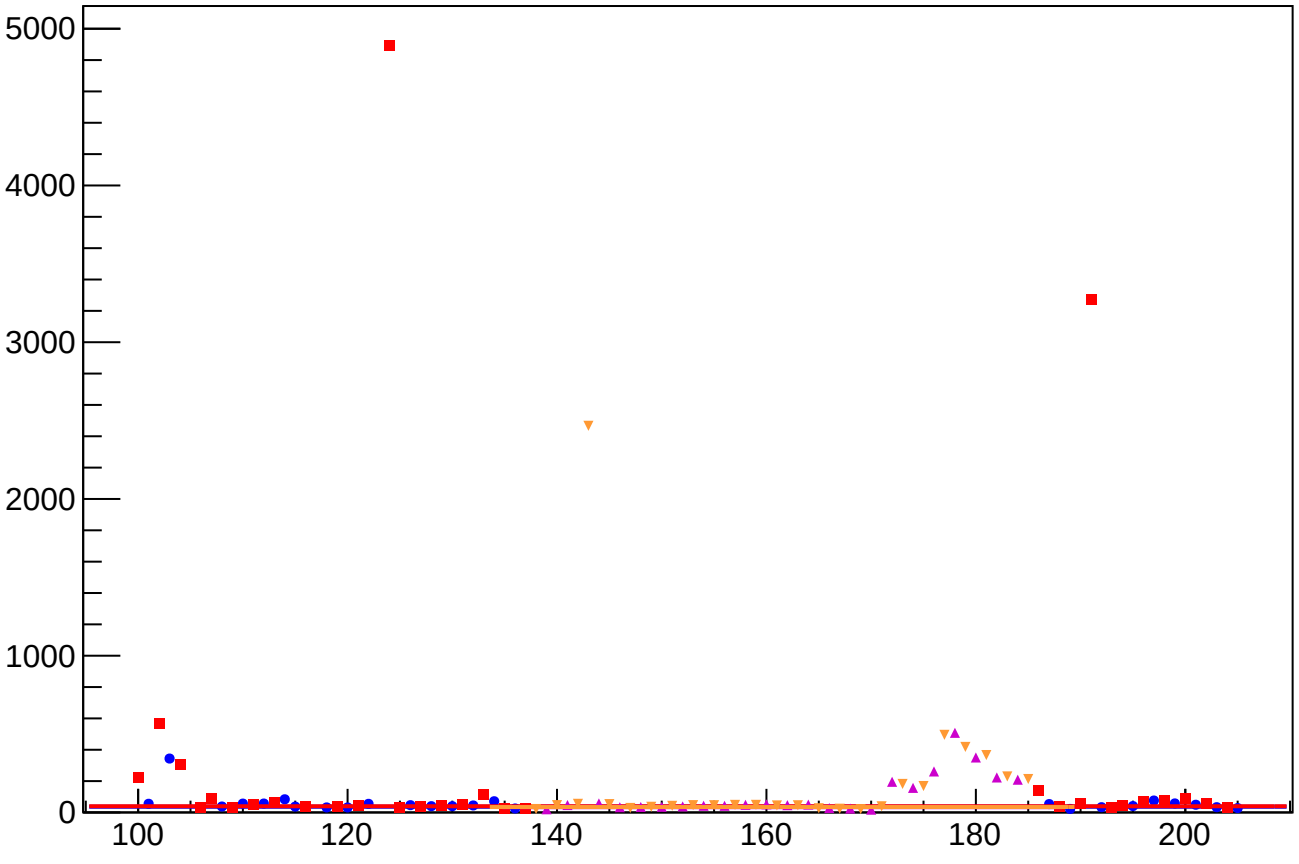
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

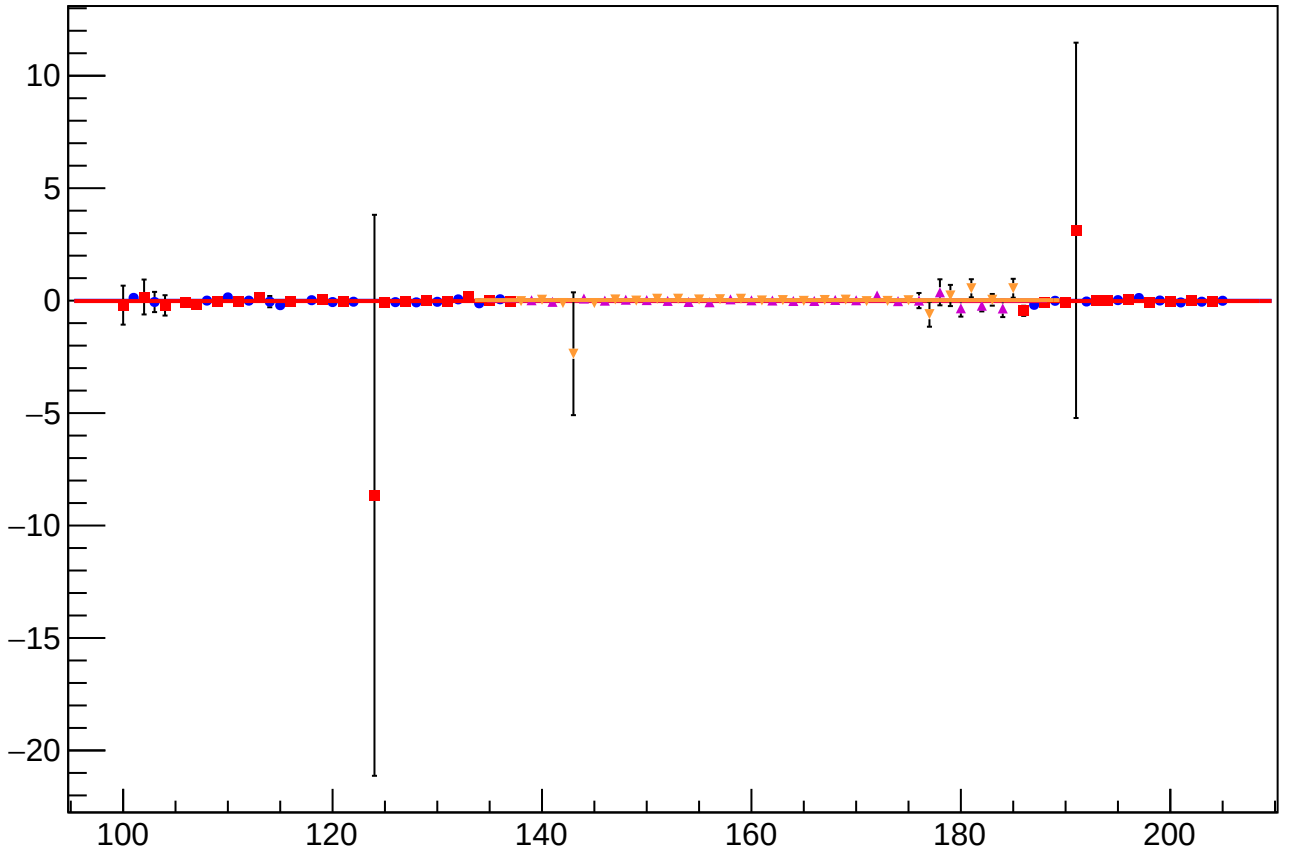
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

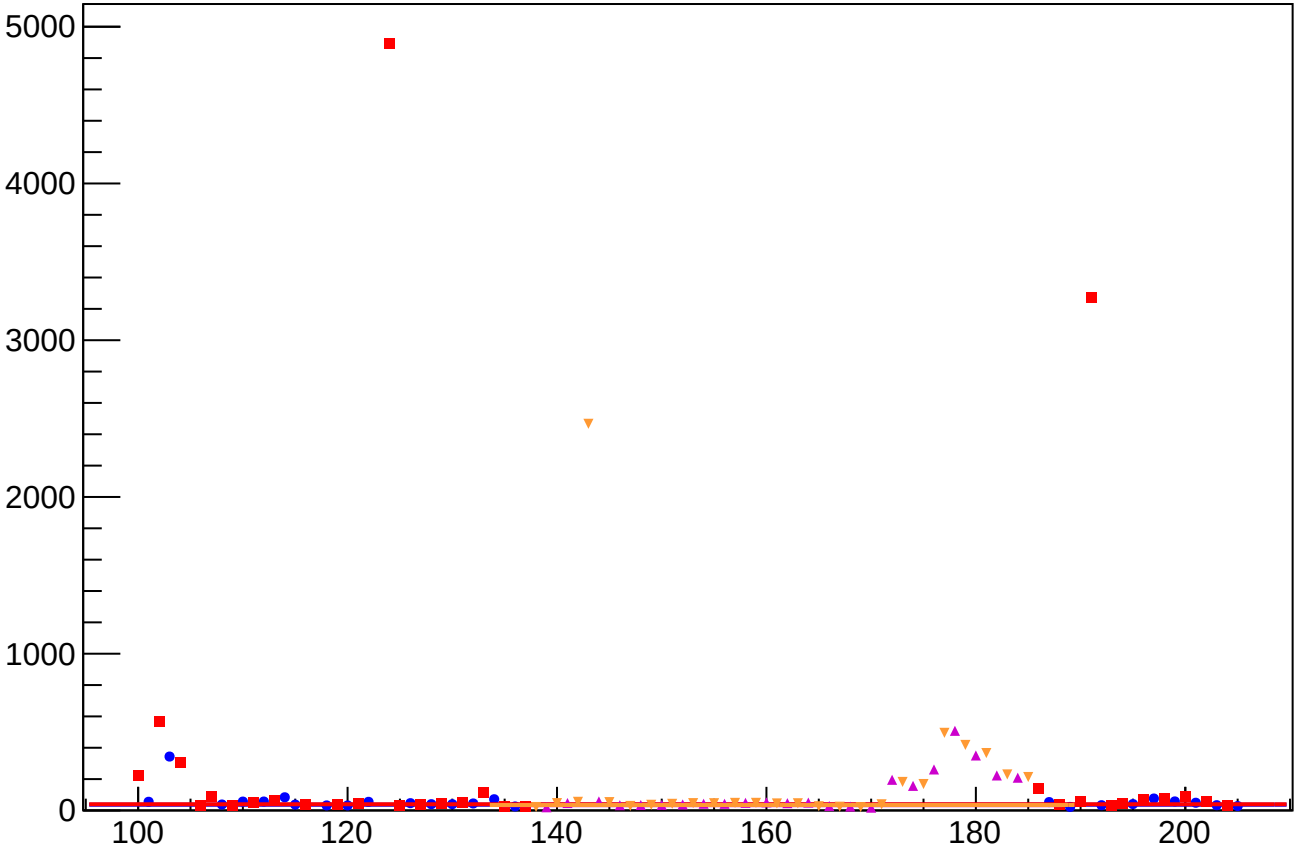
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

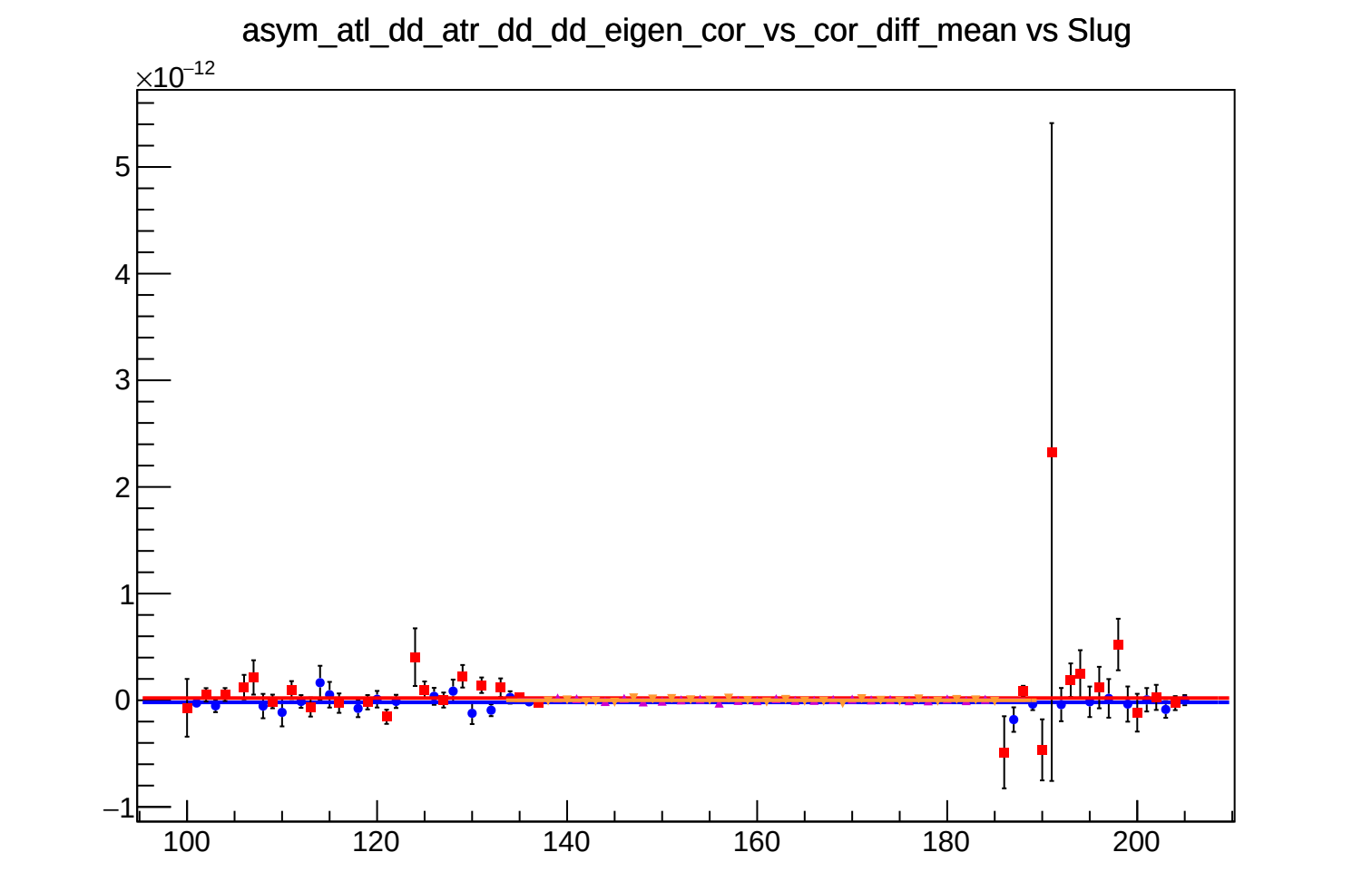
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

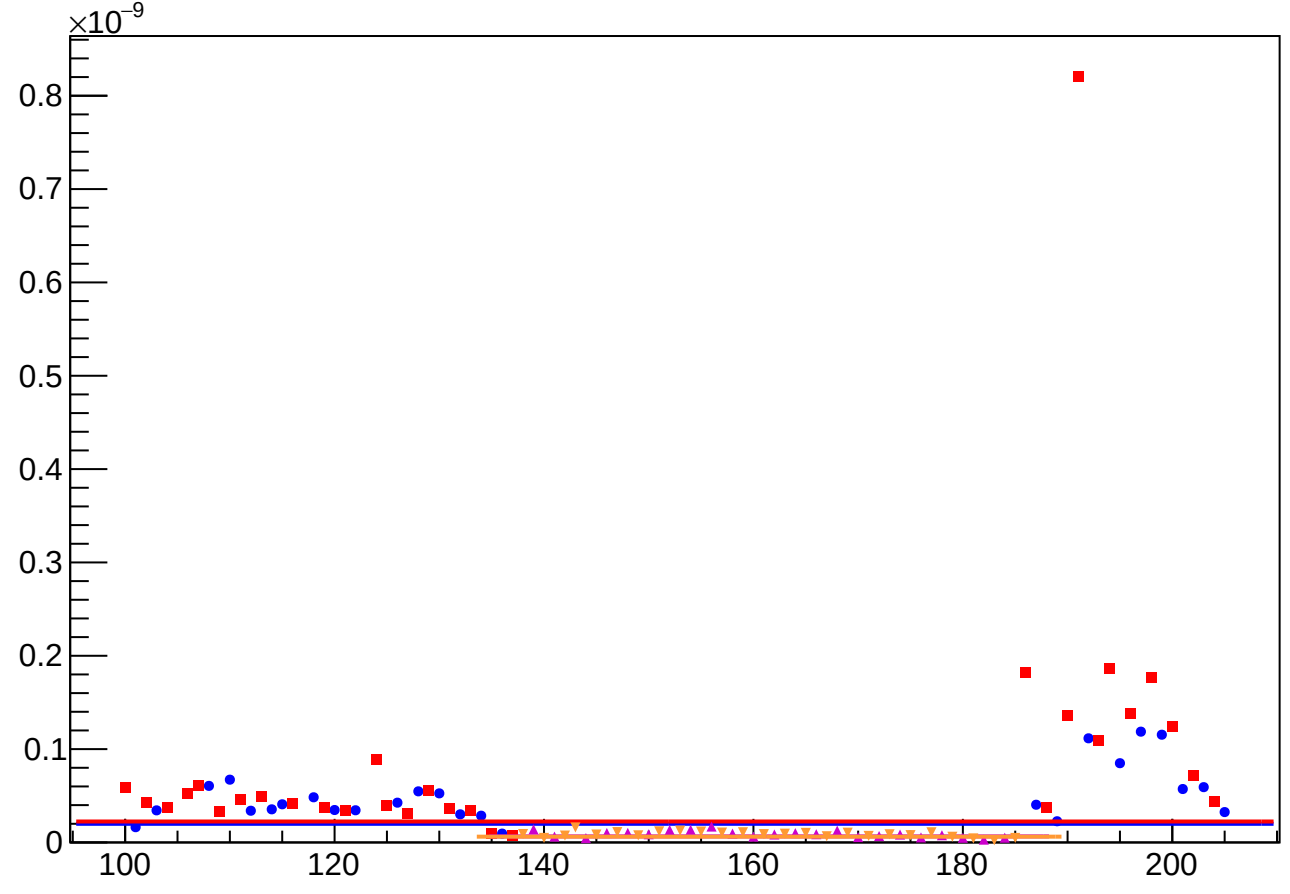
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/29

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/49

All: 0.000+/-0.000 χ^2/NDF: 109.1/102

- sign 0.000+/-0.000 χ^2/NDF: 65.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456195.6/29

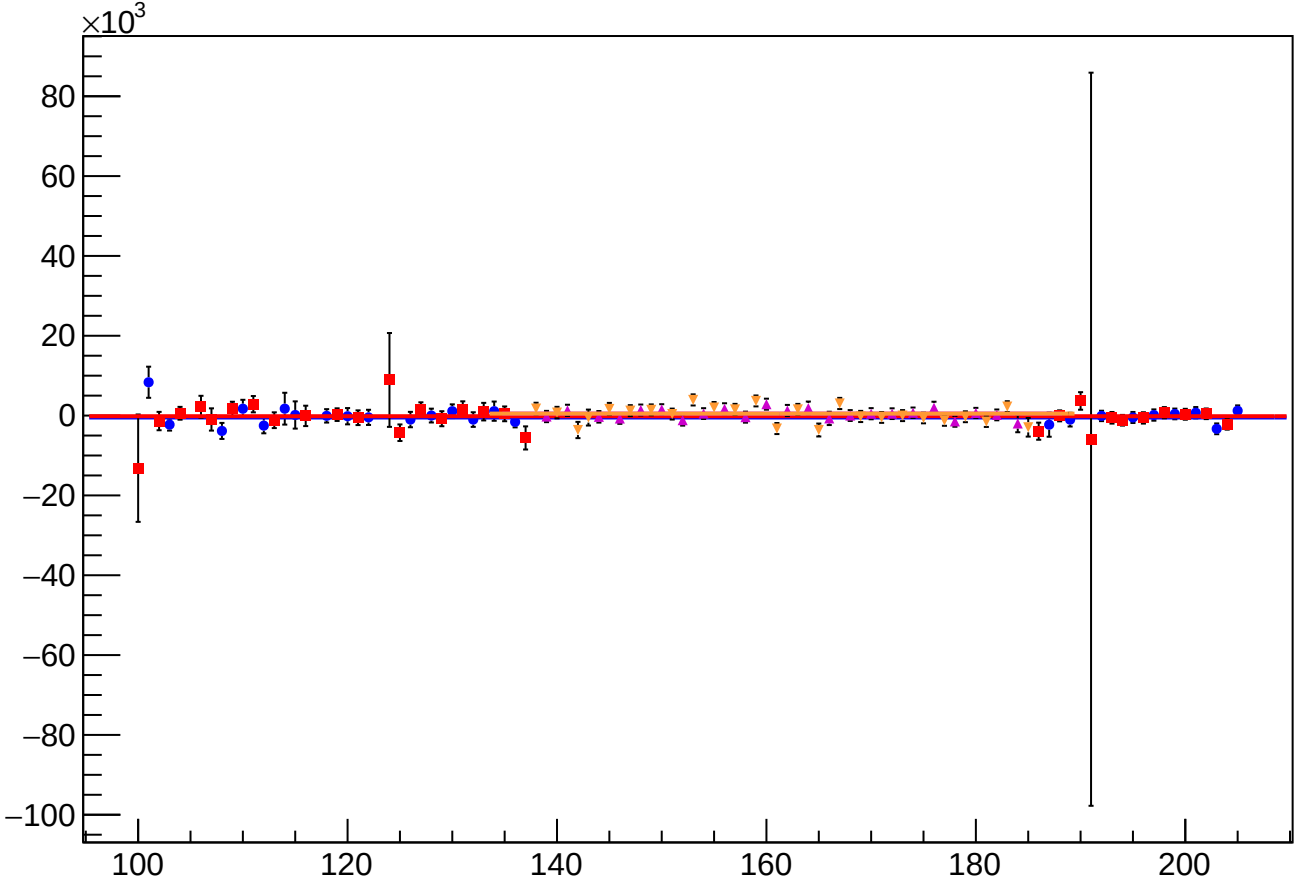
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15920436.4/49

All: 0.000+/-0.000 χ^2/NDF: 33835677.6/102

- sign 0.000+/-0.000 χ^2/NDF: 17893277.6/52

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -157.833+/-336.785 χ^2/NDF: 25.7/29

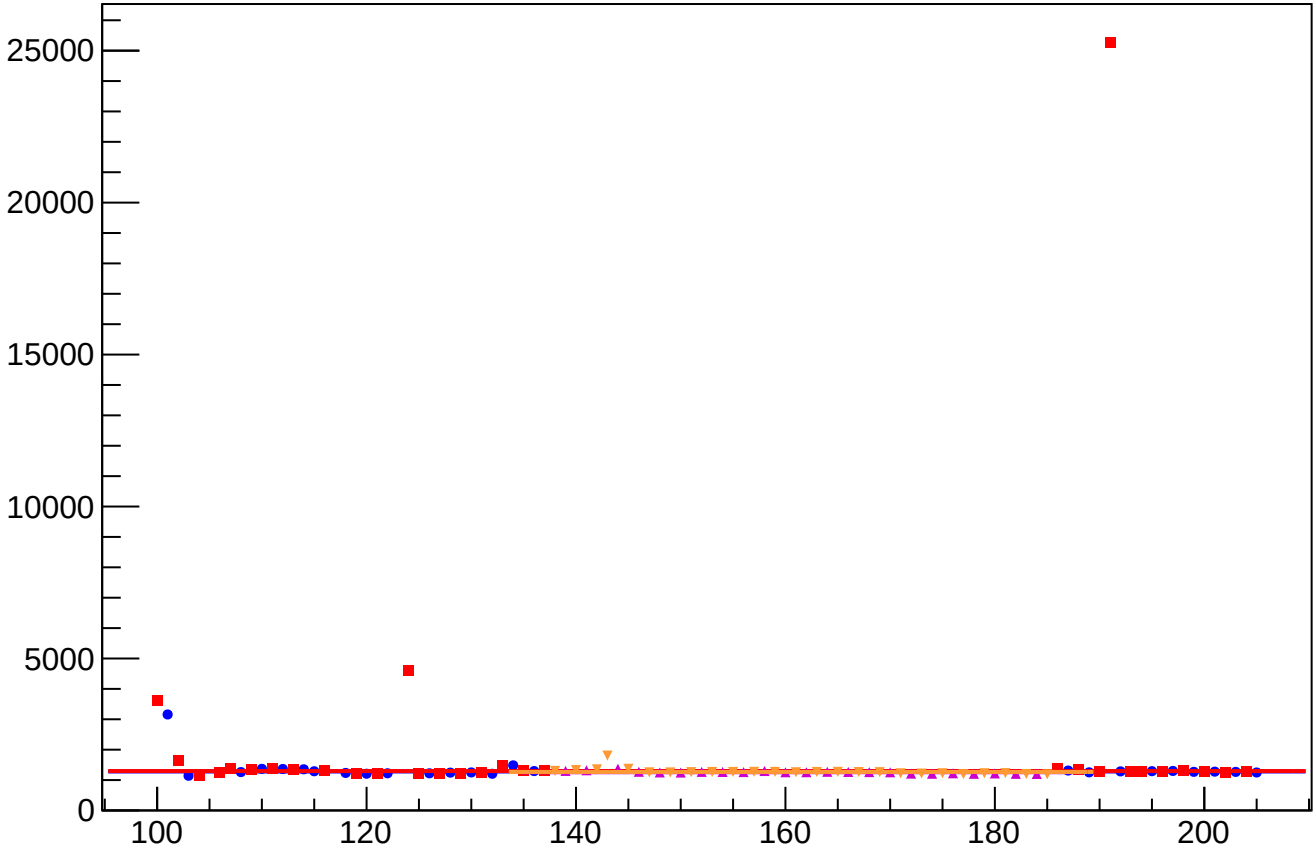
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 93.145+/-221.317 χ^2/NDF: 73.4/49

All: 150.690+/-156.518 χ^2/NDF: 115.8/102

- sign 208.269+/-221.382 χ^2/NDF: 42.2/52

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

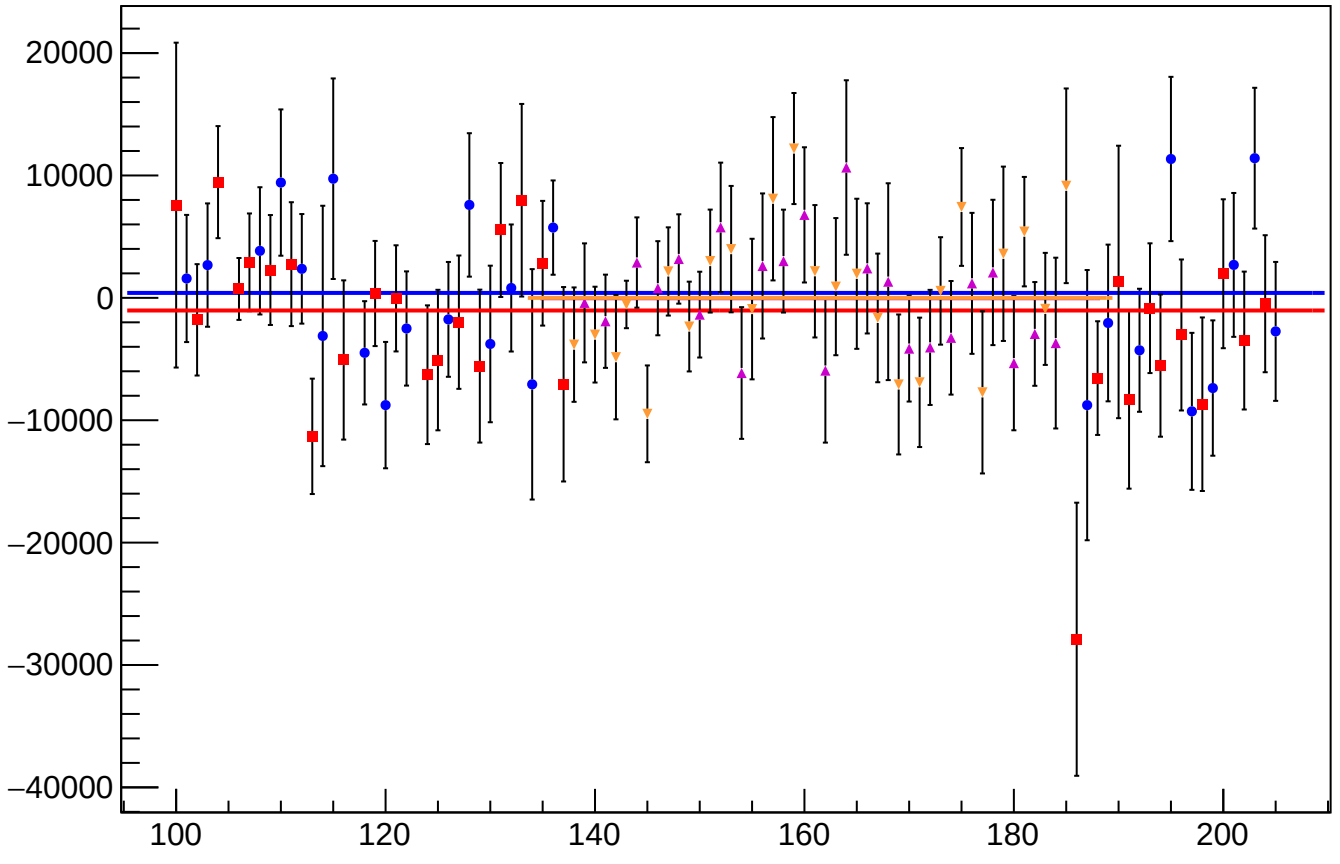
Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707950.6/49

All: 1273.750+/-0.111 χ^2/NDF: 1227345.3/10

- sign 1273.981+/-0.156 χ^2/NDF: 519390.2/52



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

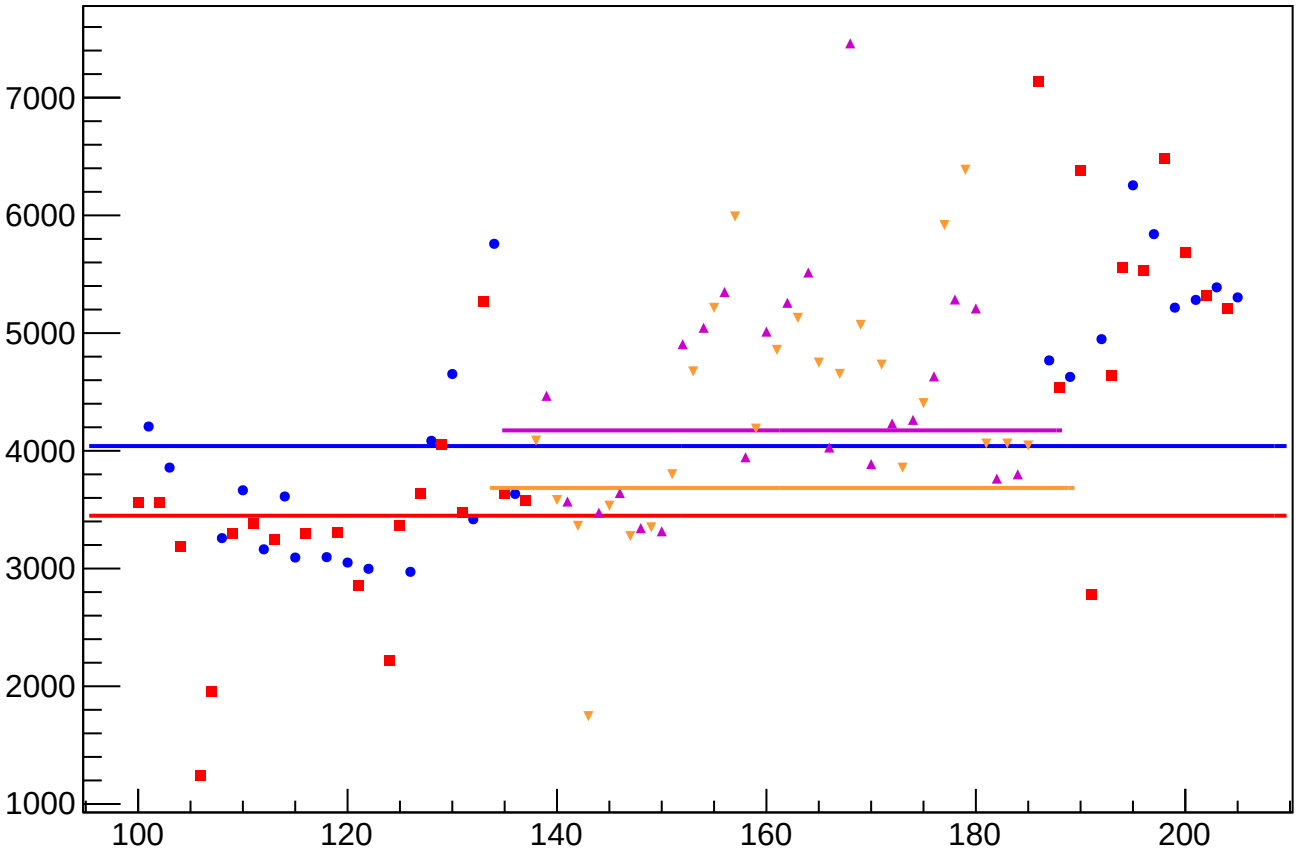
Right Out: -1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 156.650+/-692.804 χ^2/NDF: 56.0/49

All: -199.414+/-488.773 χ^2/NDF: 101.1/102

- sign -552.258+/-689.664 χ^2/NDF: 44.5/52



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

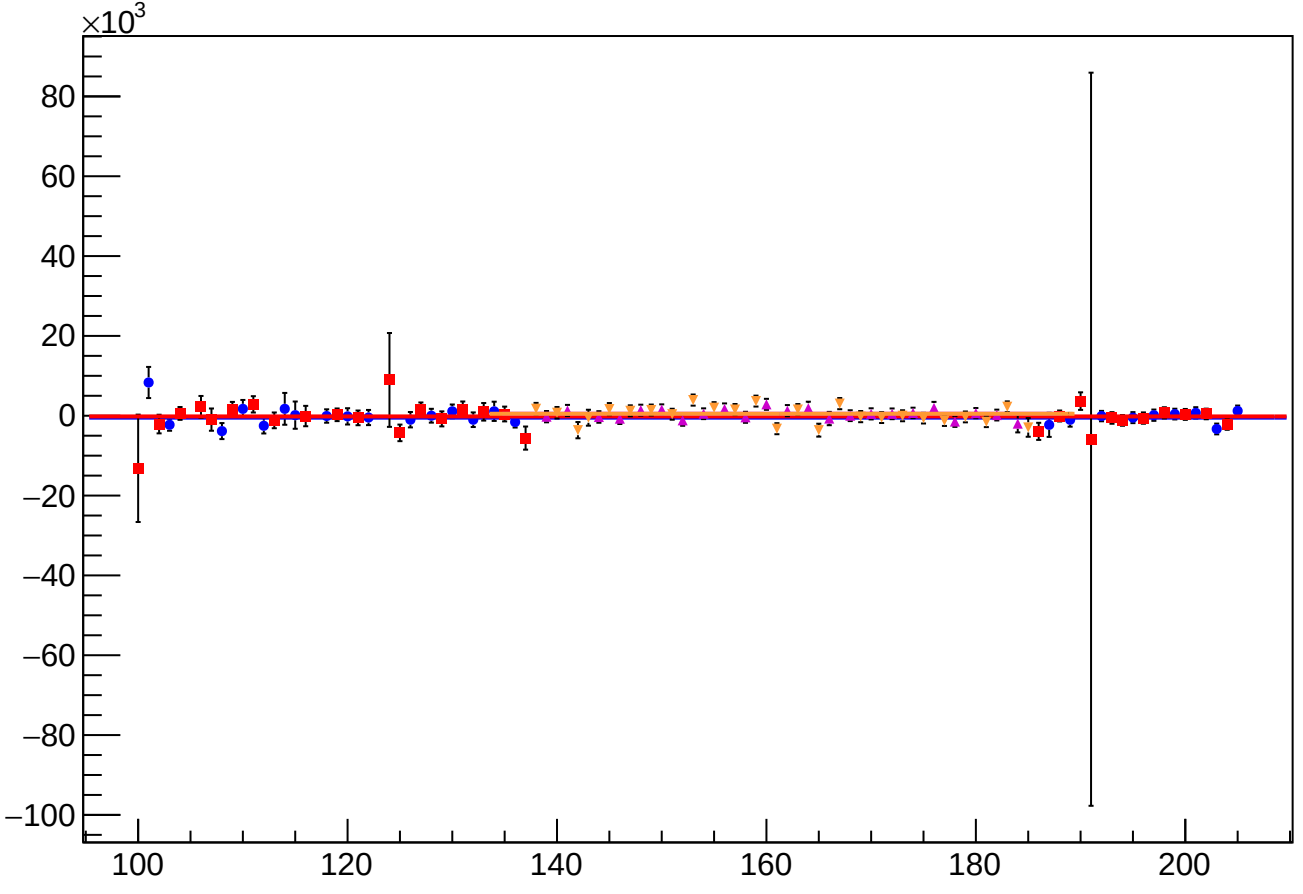
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3823.201+/-0.490 χ^2/NDF: 5351067.3/49

All: 3809.896+/-0.346 χ^2/NDF: 11394910.5/1

\- sign 3796.710+/-0.488 χ^2/NDF: 6042374.4/52

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

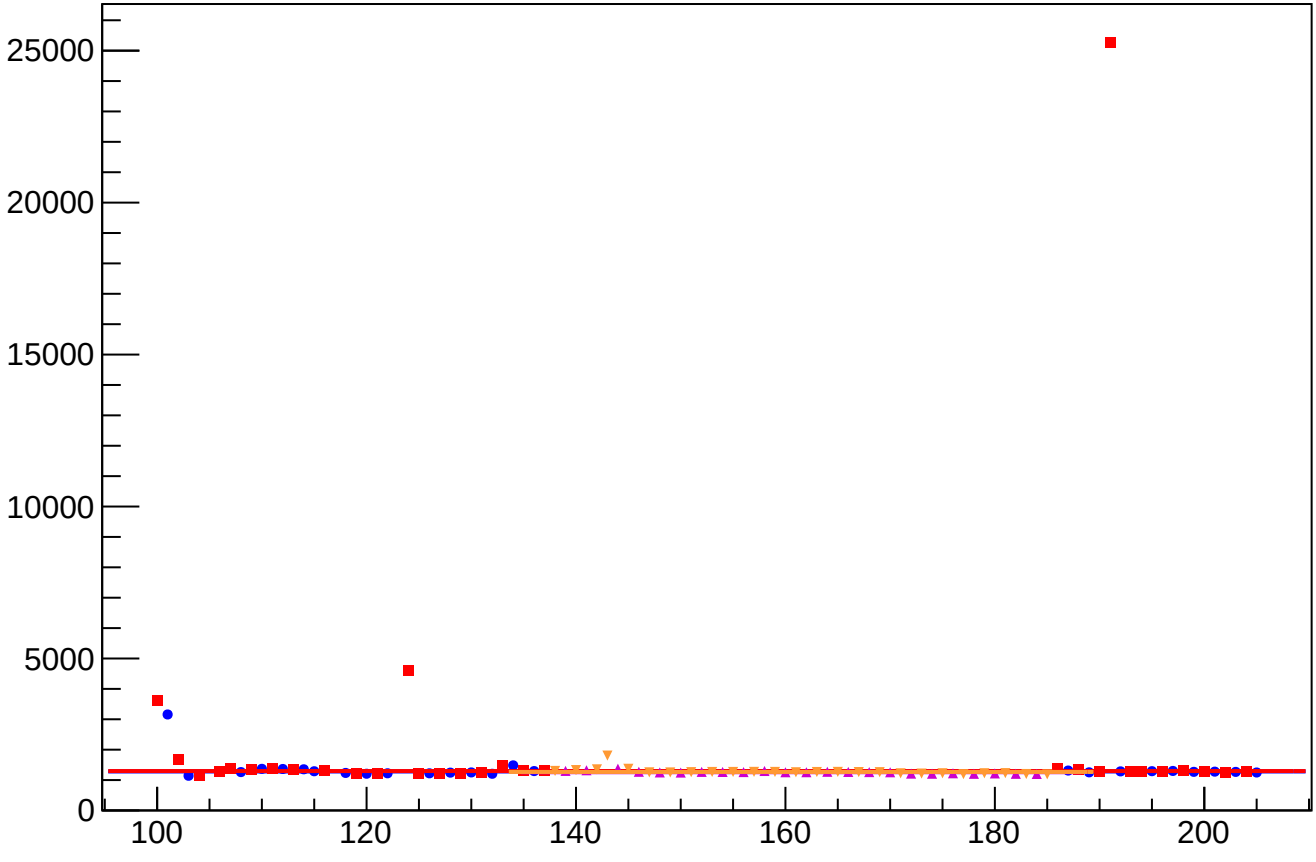
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 147.668+/-156.528 χ^2/NDF: 116.3/102

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

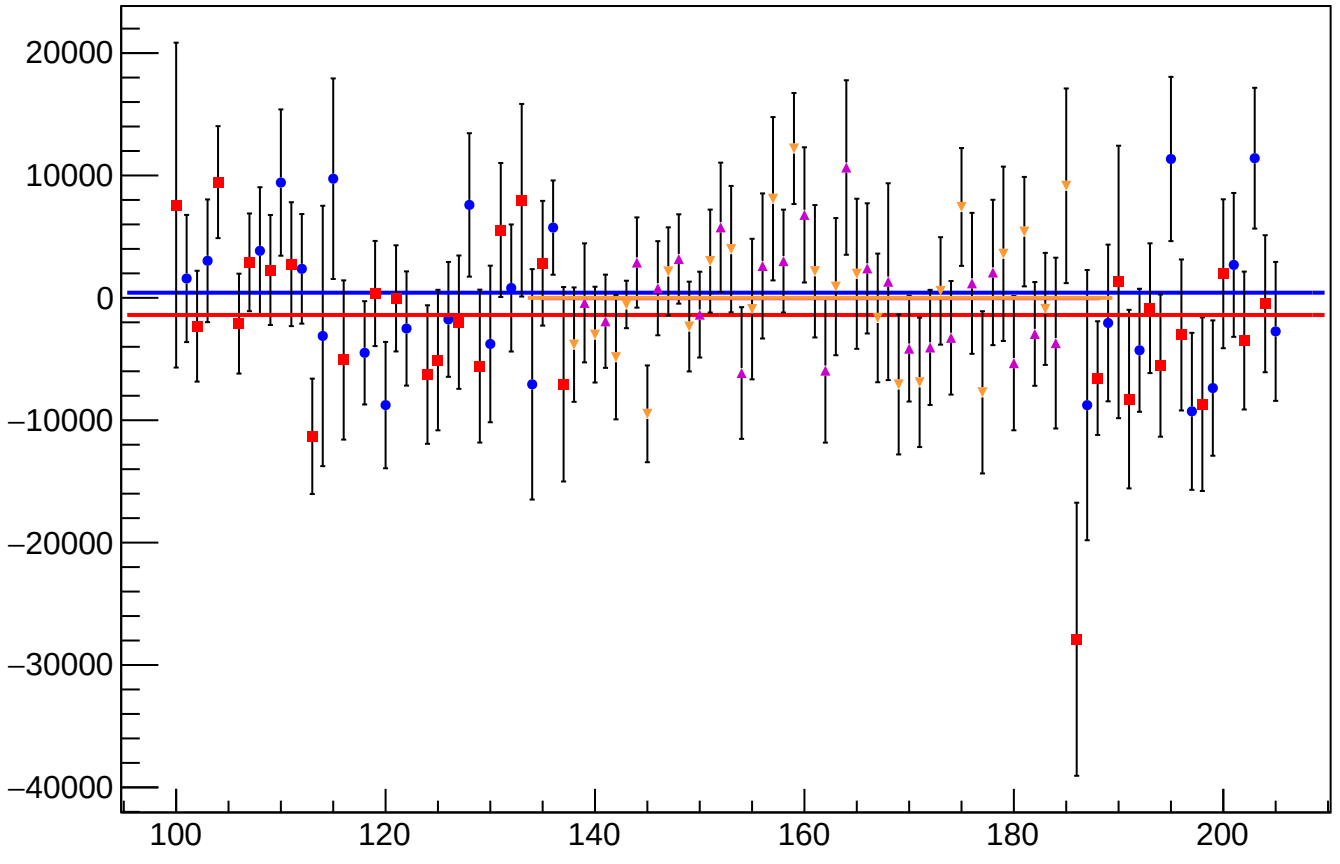
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

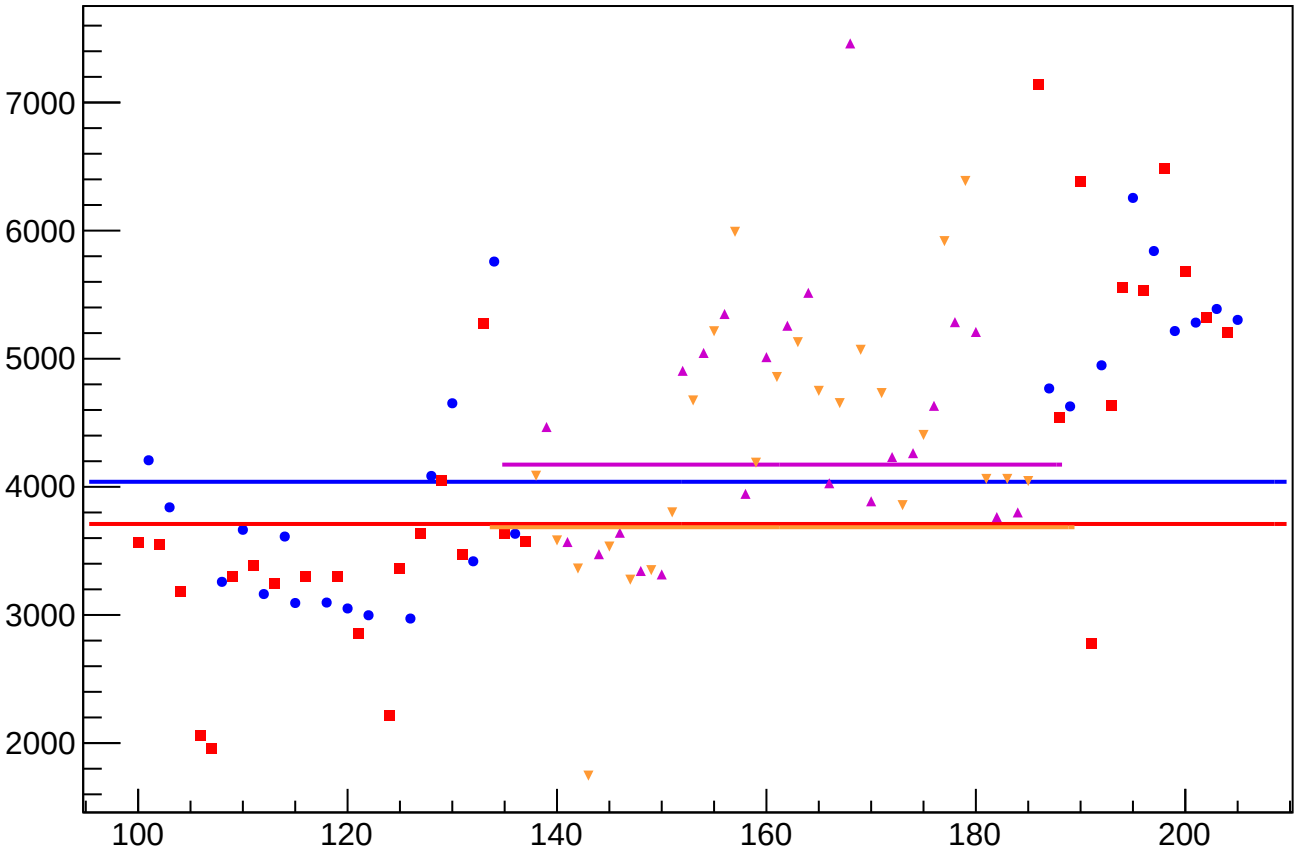
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -265.231+/-494.433 χ^2/NDF: 101.3/102

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

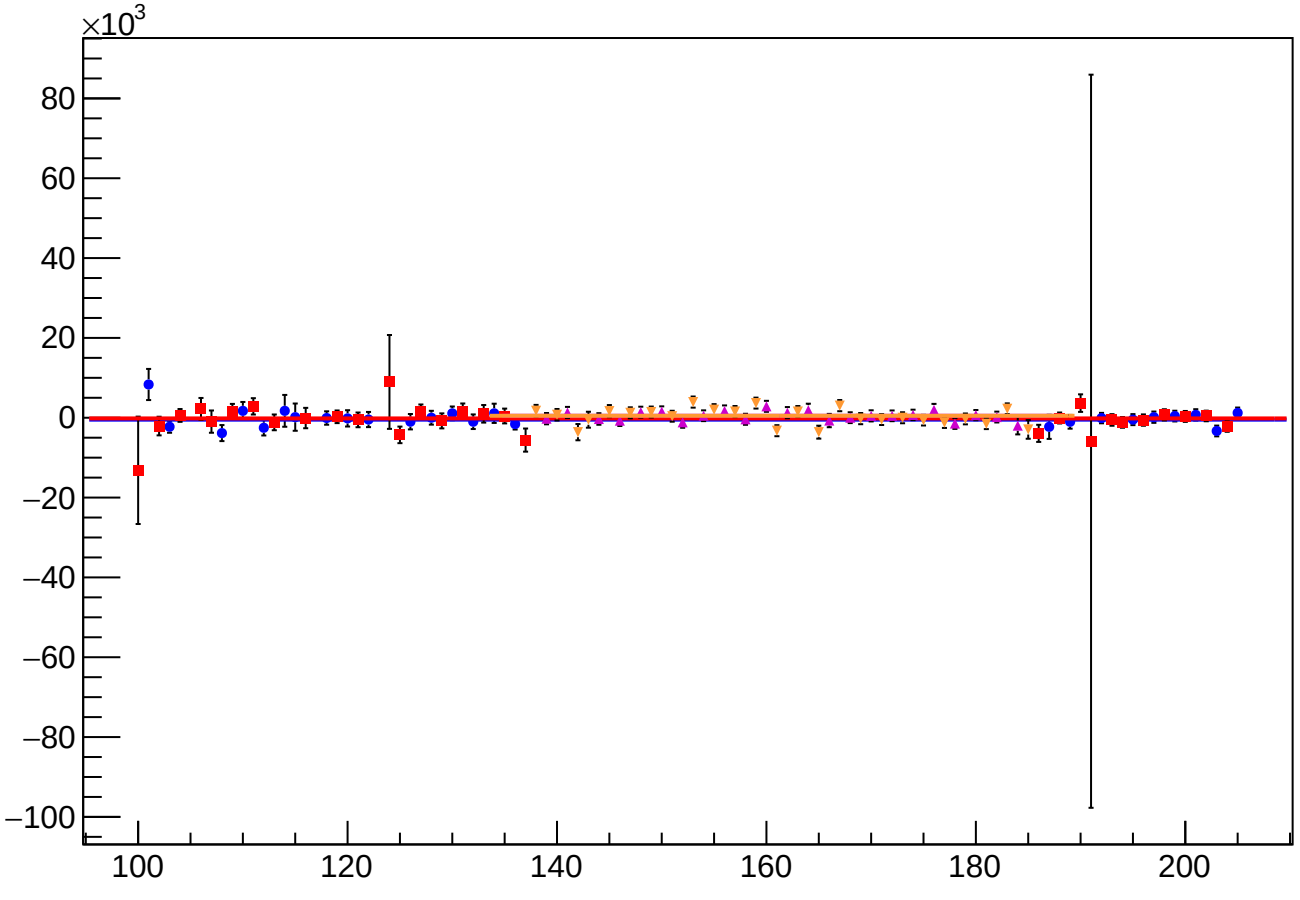
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

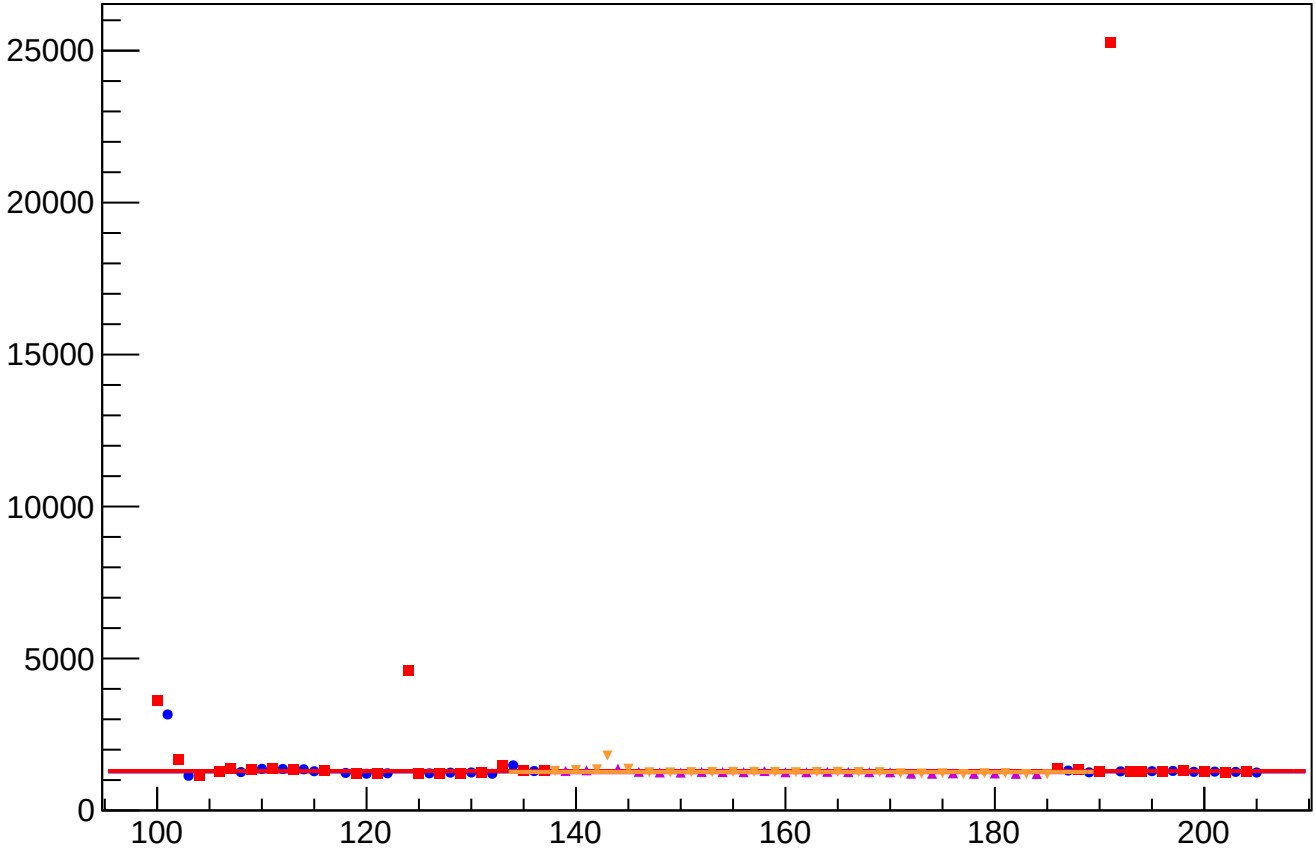
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 147.668+/-156.528 χ^2/NDF: 116.3/102

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

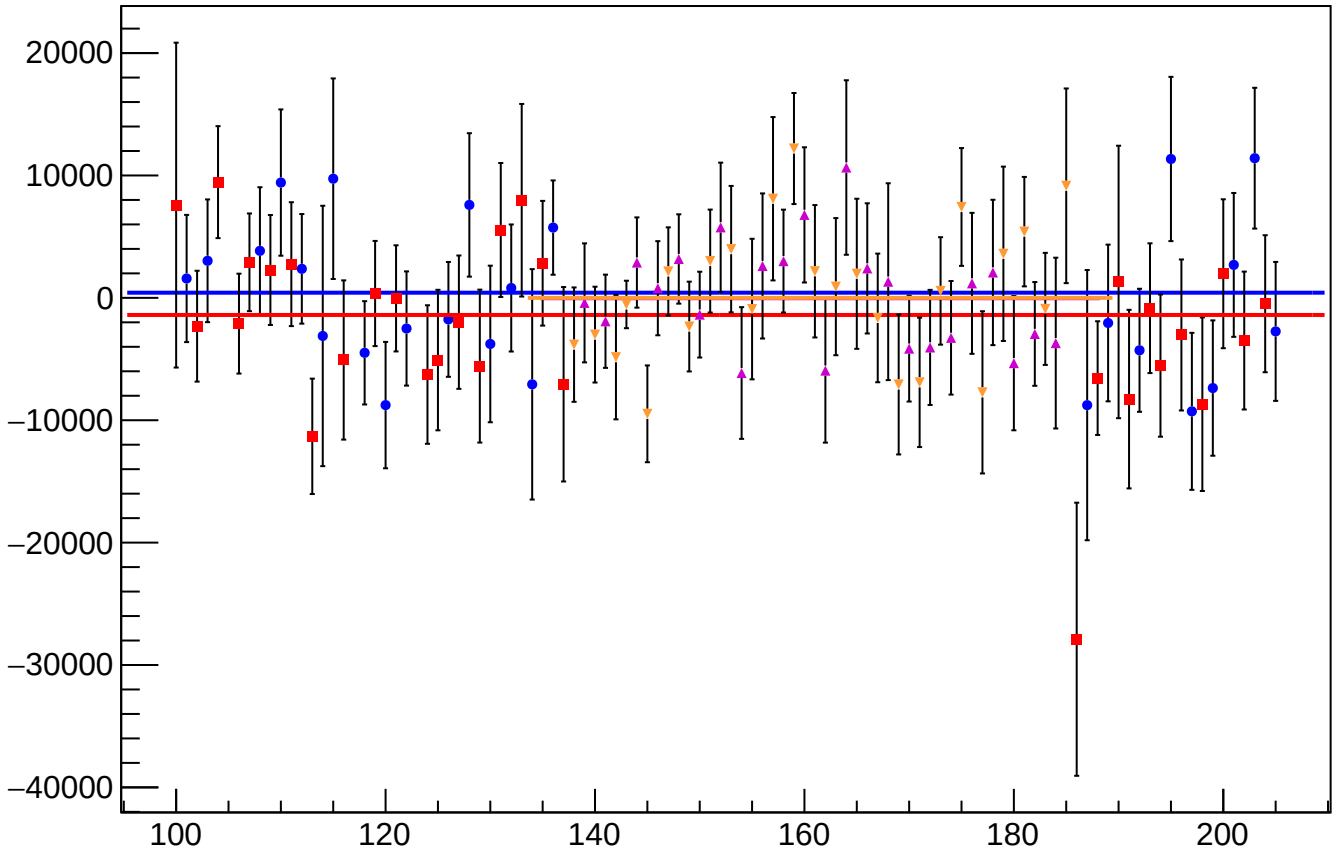
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

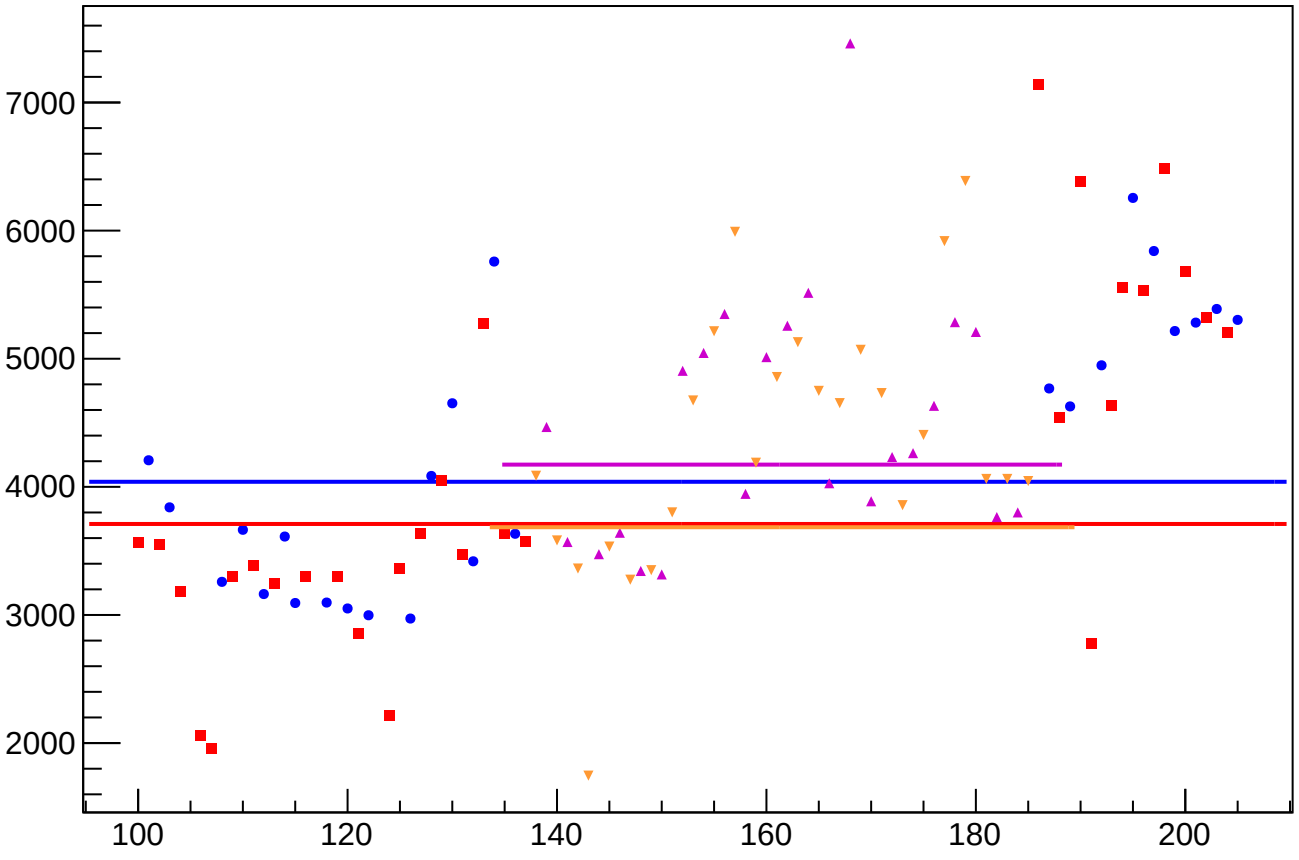
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -265.231+/-494.433 χ^2/NDF: 101.3/102

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

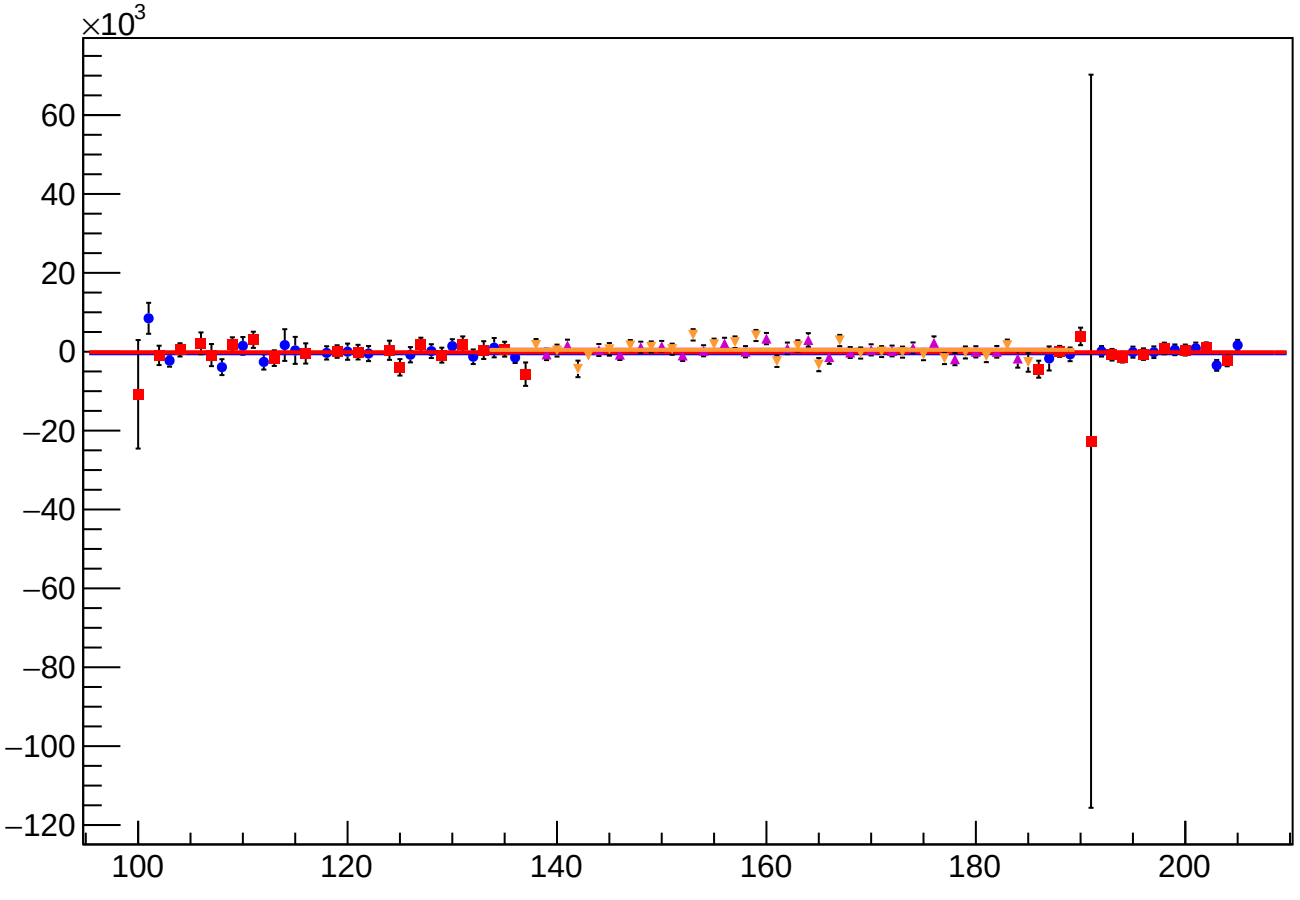
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10

\- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.590+/-339.394 χ^2/NDF: 27.3/29

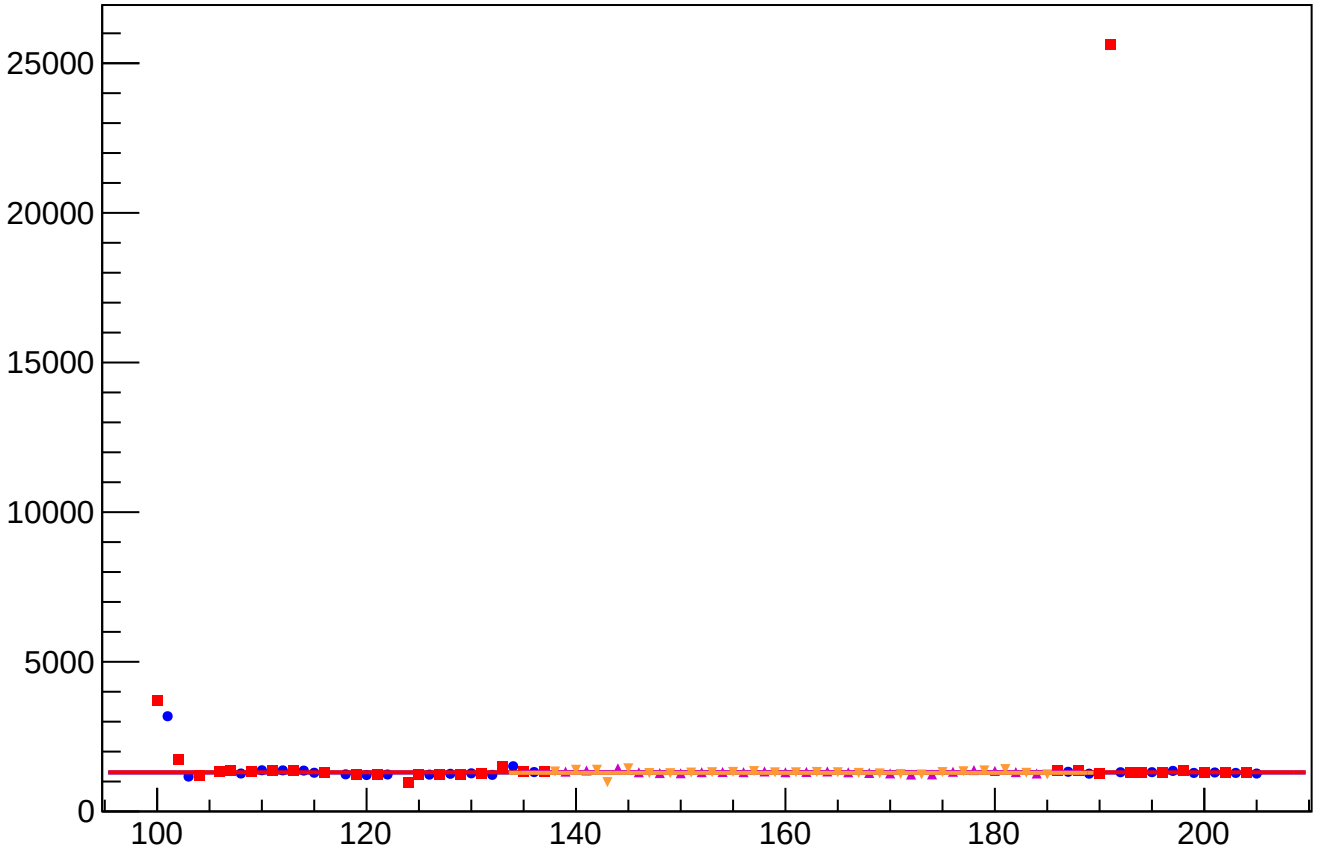
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 111.489+/-225.270 χ^2/NDF: 70.8/49

All: 165.128+/-160.141 χ^2/NDF: 117.5/102

- sign 219.929+/-227.698 χ^2/NDF: 46.6/52

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

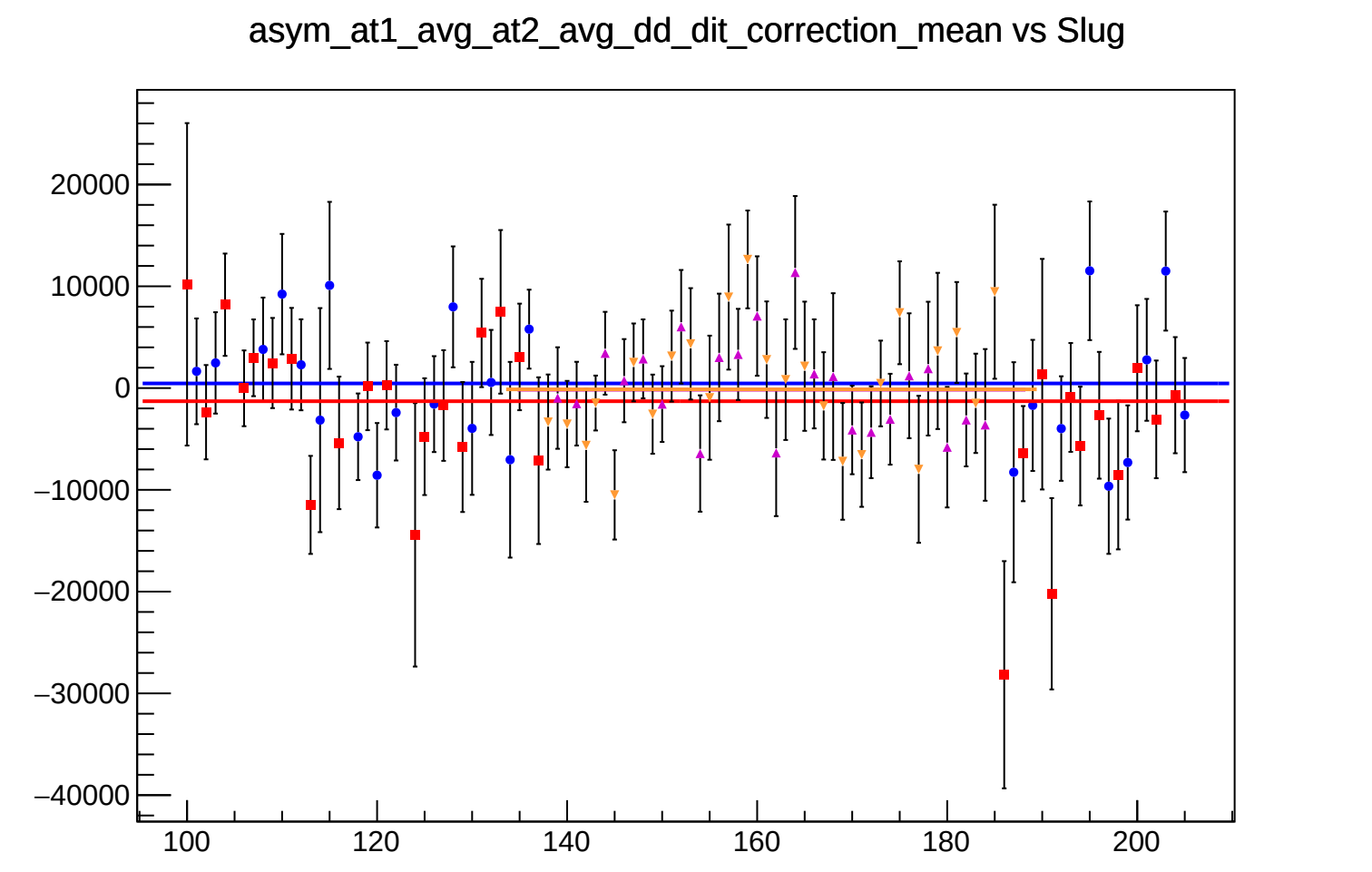
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.610+/-0.159 χ^2/NDF: 748130.2/49

All: 1303.346+/-0.113 χ^2/NDF: 1159839.3/10

- sign 1311.246+/-0.161 χ^2/NDF: 406942.6/52



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1292.677+/-1019.096 χ^2/NDF: 31.1/29

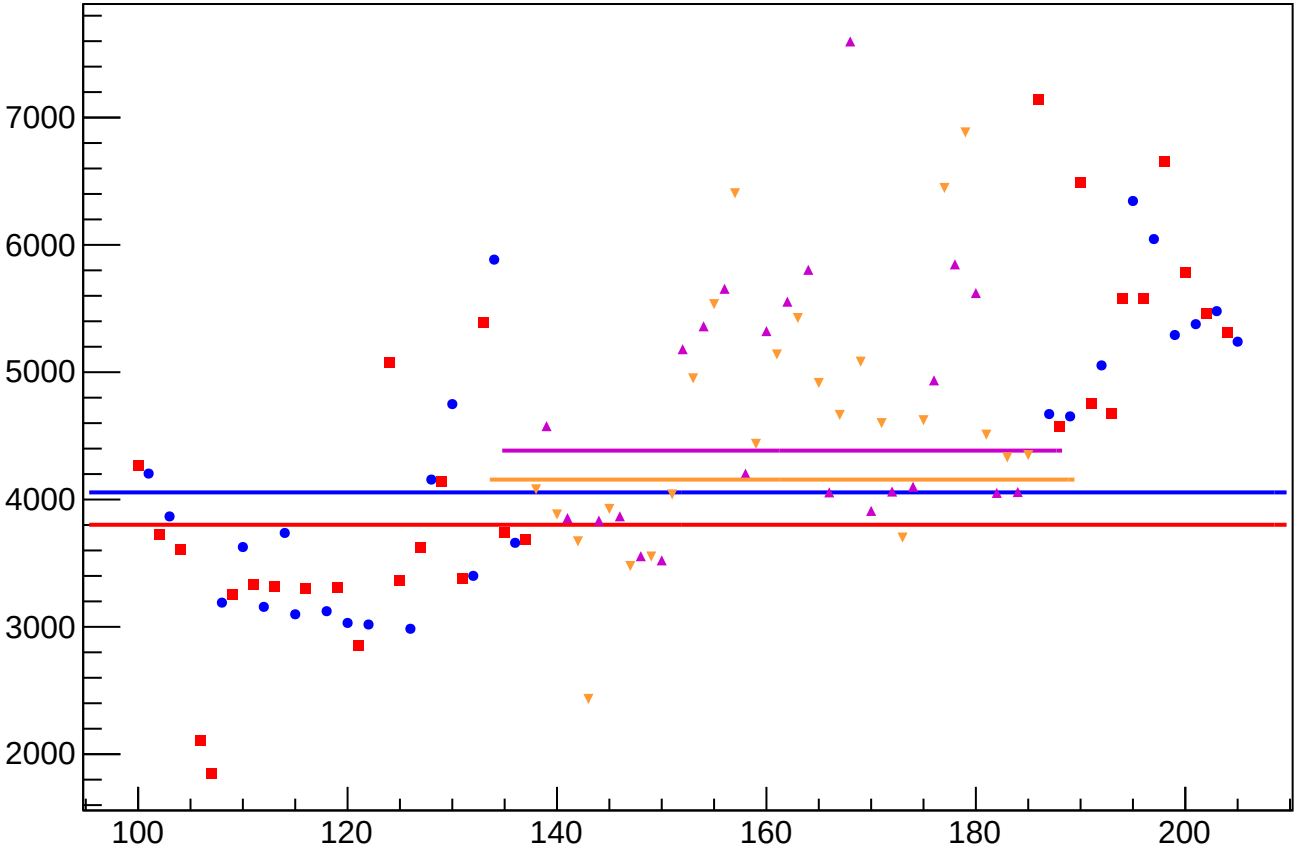
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 125.641+/-735.194 χ^2/NDF: 55.3/49

All: -310.667+/-517.932 χ^2/NDF: 101.5/102

- sign -740.560+/-729.769 χ^2/NDF: 45.4/52

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

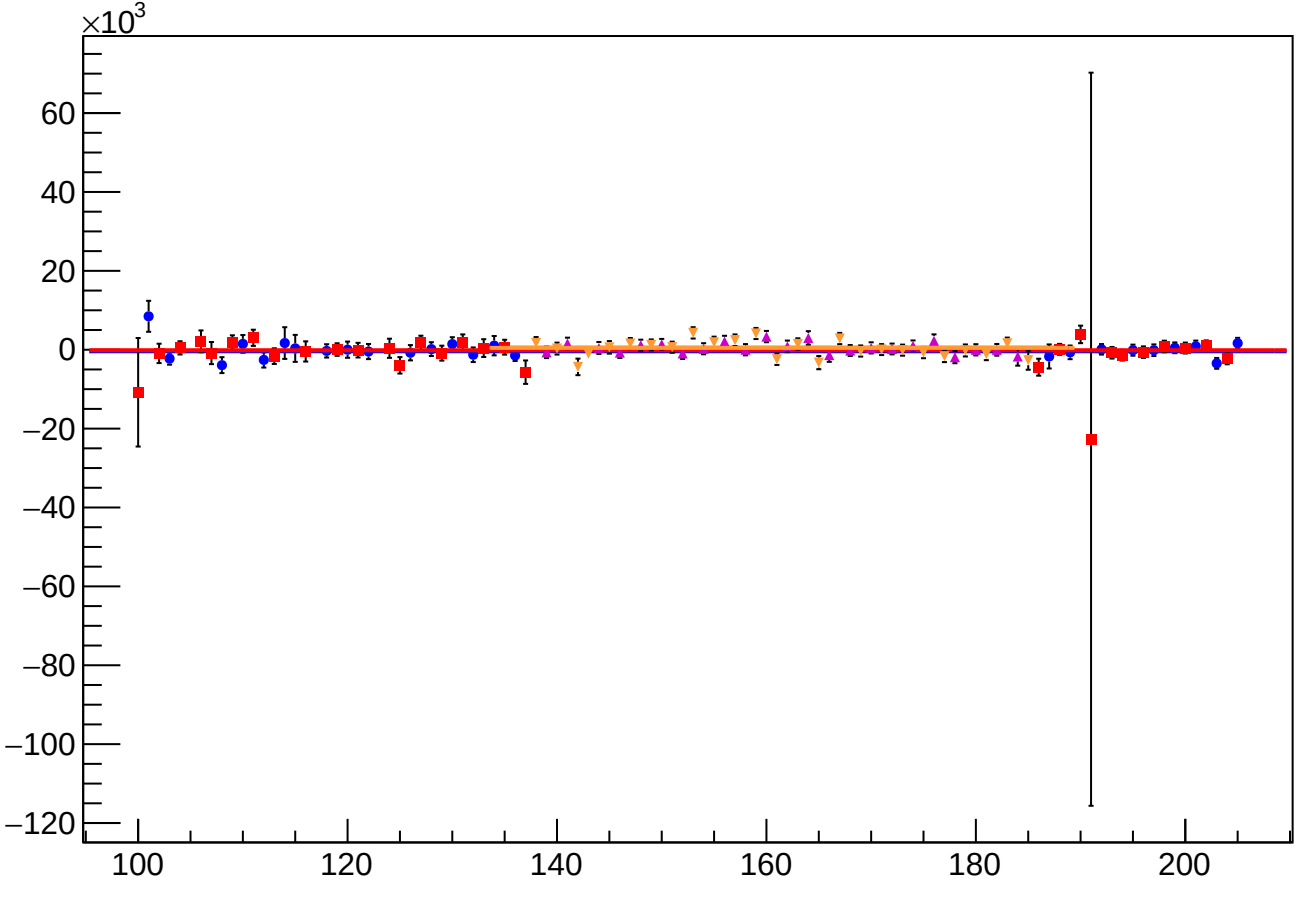
Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703740.2/49

All: 4099.168+/-0.366 χ^2/NDF: 8149348.0/10

- sign 4085.604+/-0.516 χ^2/NDF: 4444215.6/52



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

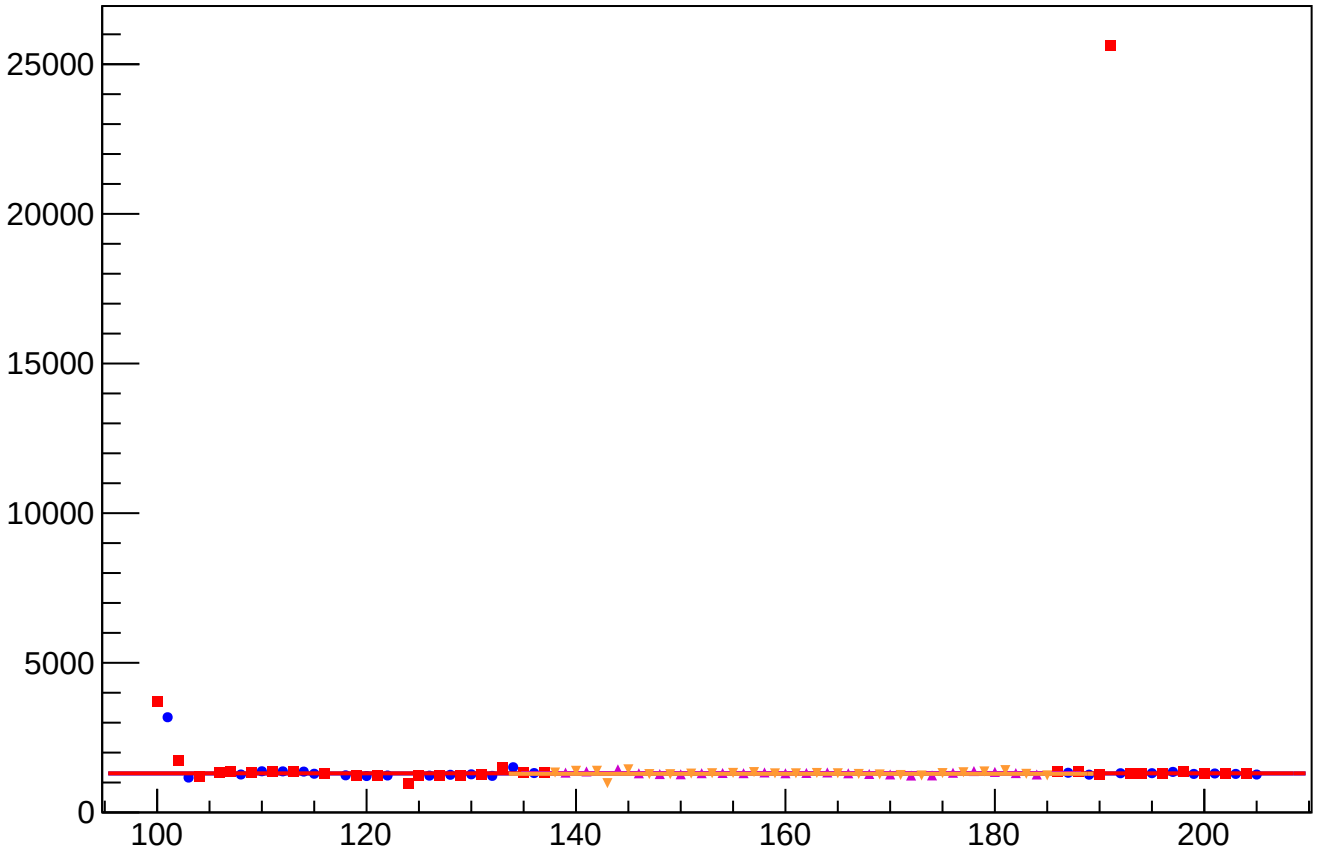
Right Out: -126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 111.492+/-225.270 χ^2/NDF: 70.8/49

All: 165.129+/-160.141 χ^2/NDF: 117.5/102

- sign 219.930+/-227.698 χ^2/NDF: 46.6/52



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

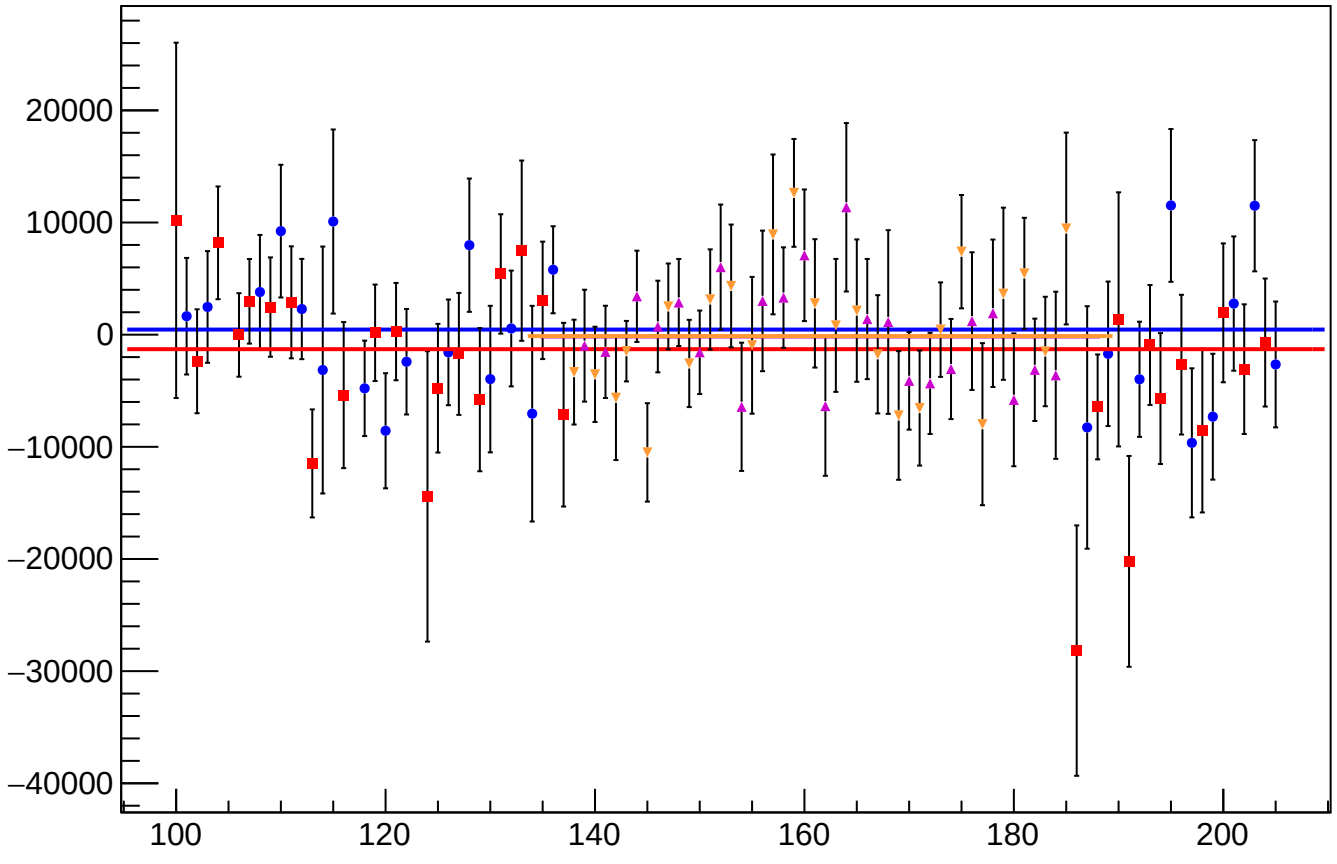
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.611+/-0.159 χ^2/NDF: 748132.7/49

All: 1303.346+/-0.113 χ^2/NDF: 1159844.4/10

- sign 1311.247+/-0.161 χ^2/NDF: 406945.1/52



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

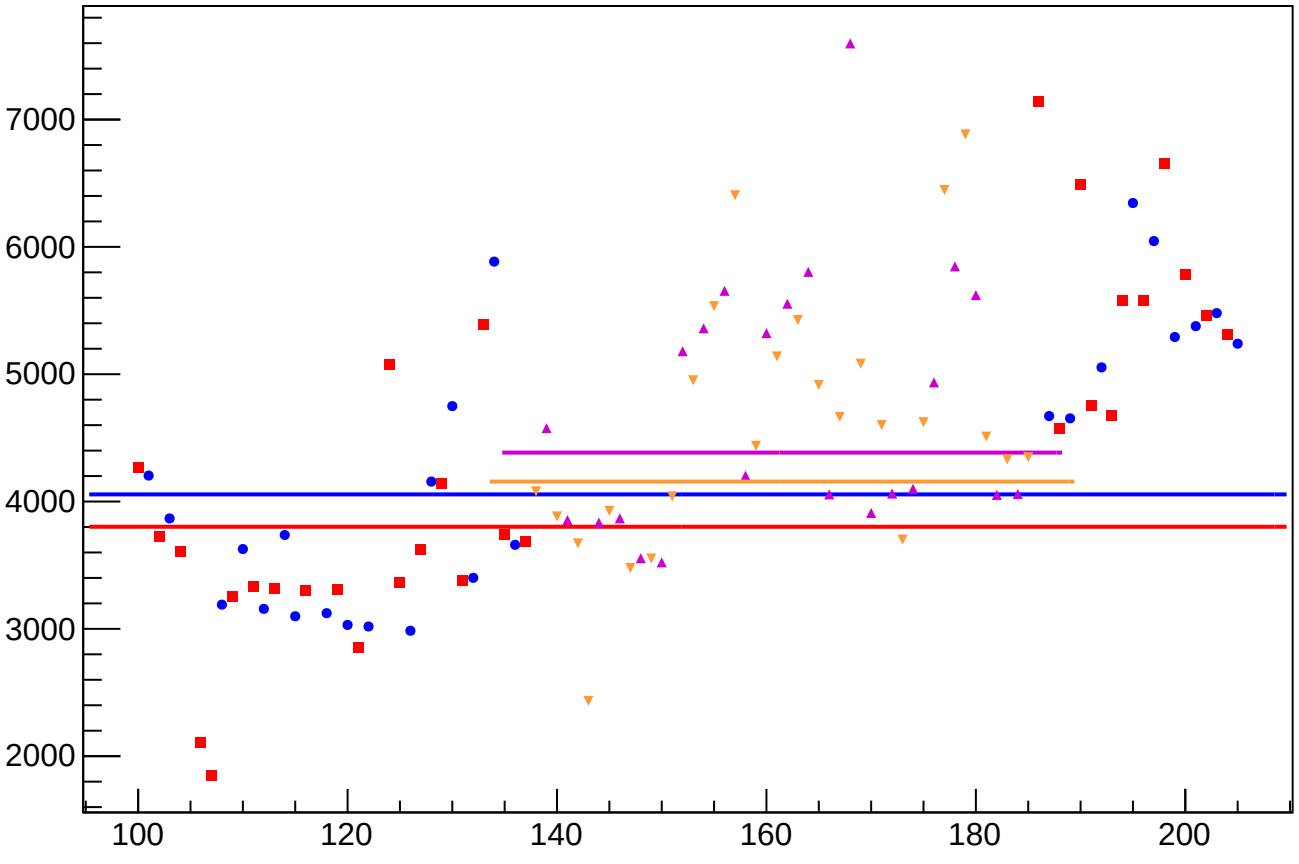
Right Out: -1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 125.640+/-735.194 χ^2/NDF: 55.3/49

All: -310.667+/-517.932 χ^2/NDF: 101.5/102

- sign -740.559+/-729.769 χ^2/NDF: 45.4/52



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

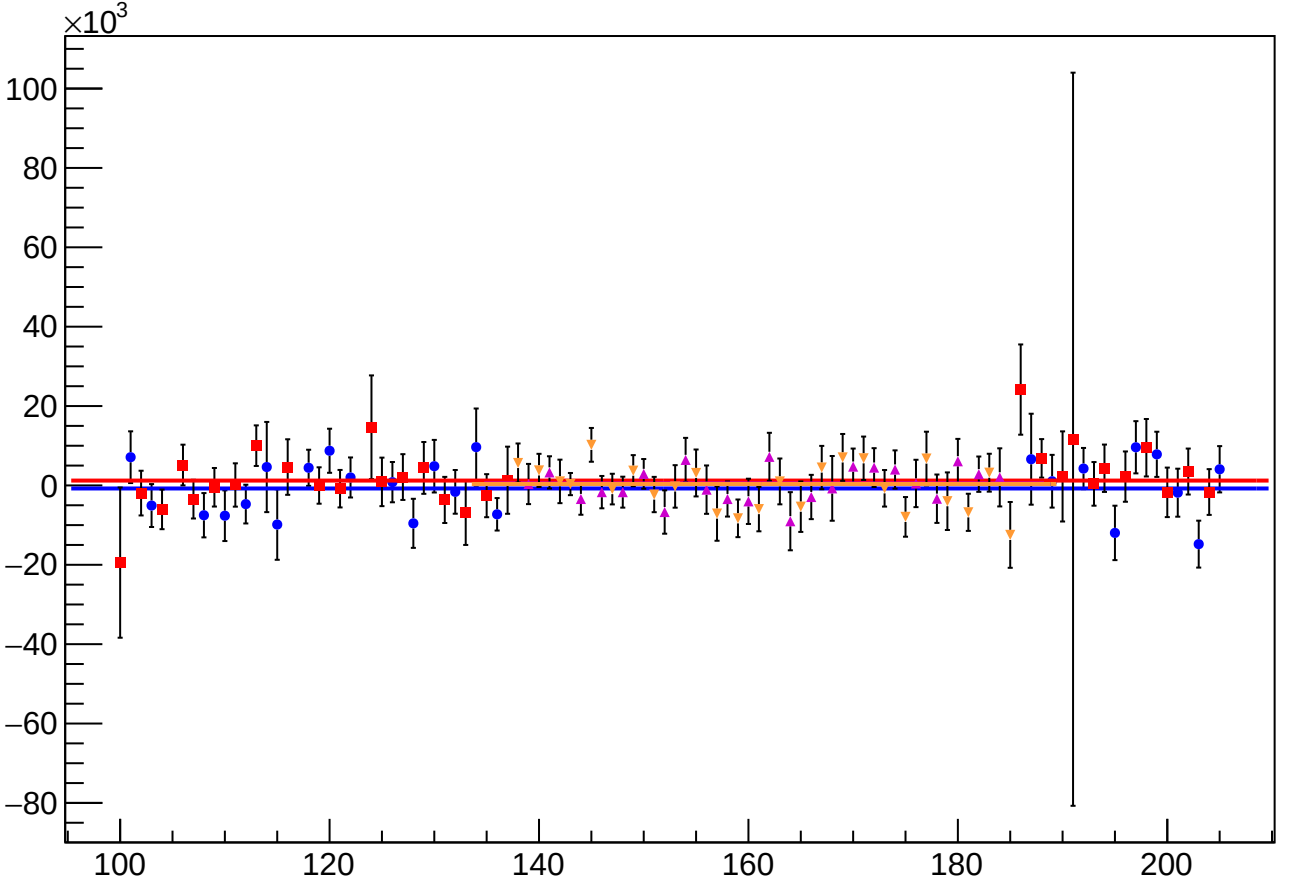
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703771.8/49

All: 4099.168+/-0.366 χ^2/NDF: 8149423.2/10

- sign 4085.603+/-0.516 χ^2/NDF: 4444259.0/52

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1221.385+/-1111.844 χ^2/NDF: 19.9/29

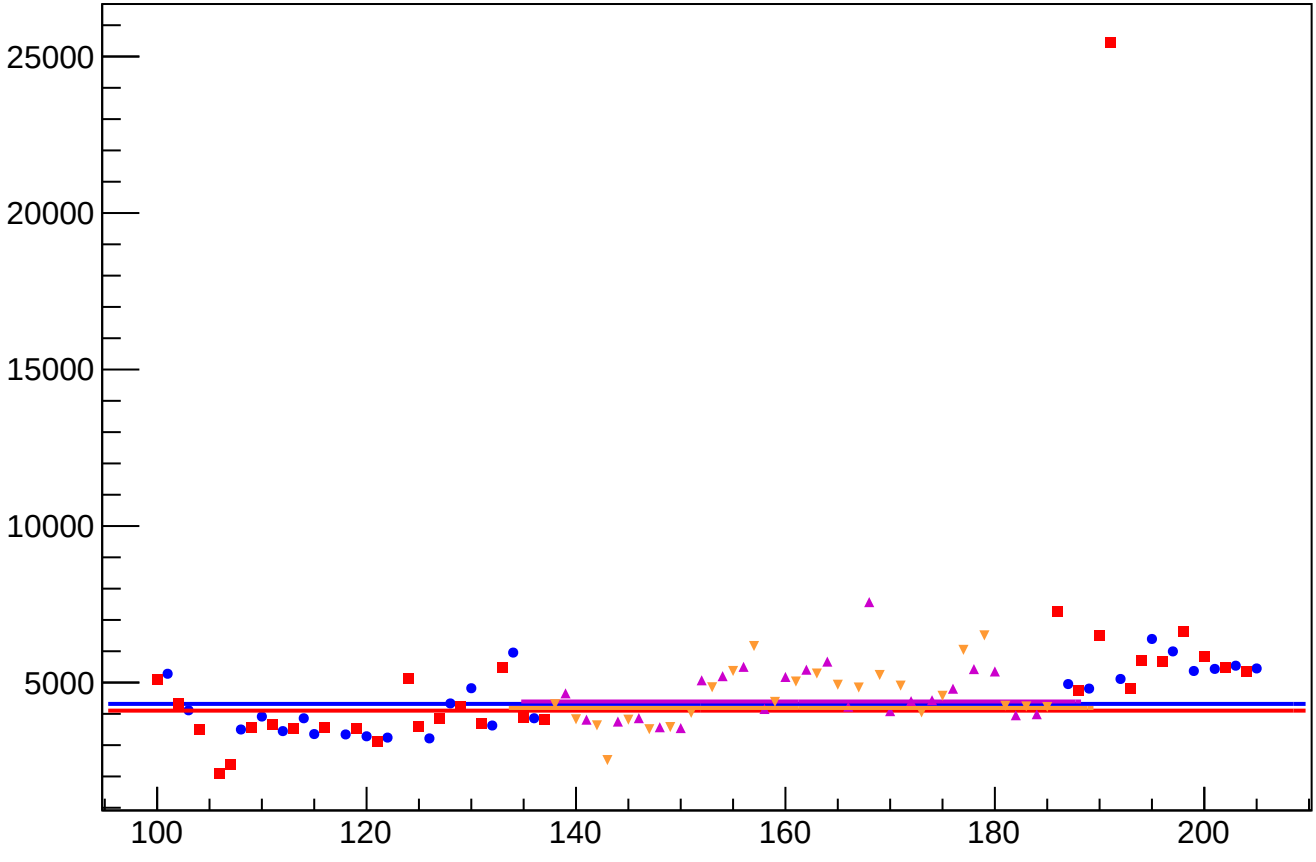
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -98.924+/-754.347 χ^2/NDF: 61.1/49

All: 364.685+/-535.862 χ^2/NDF: 95.9/102

- sign 836.940+/-761.348 χ^2/NDF: 34.0/52

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

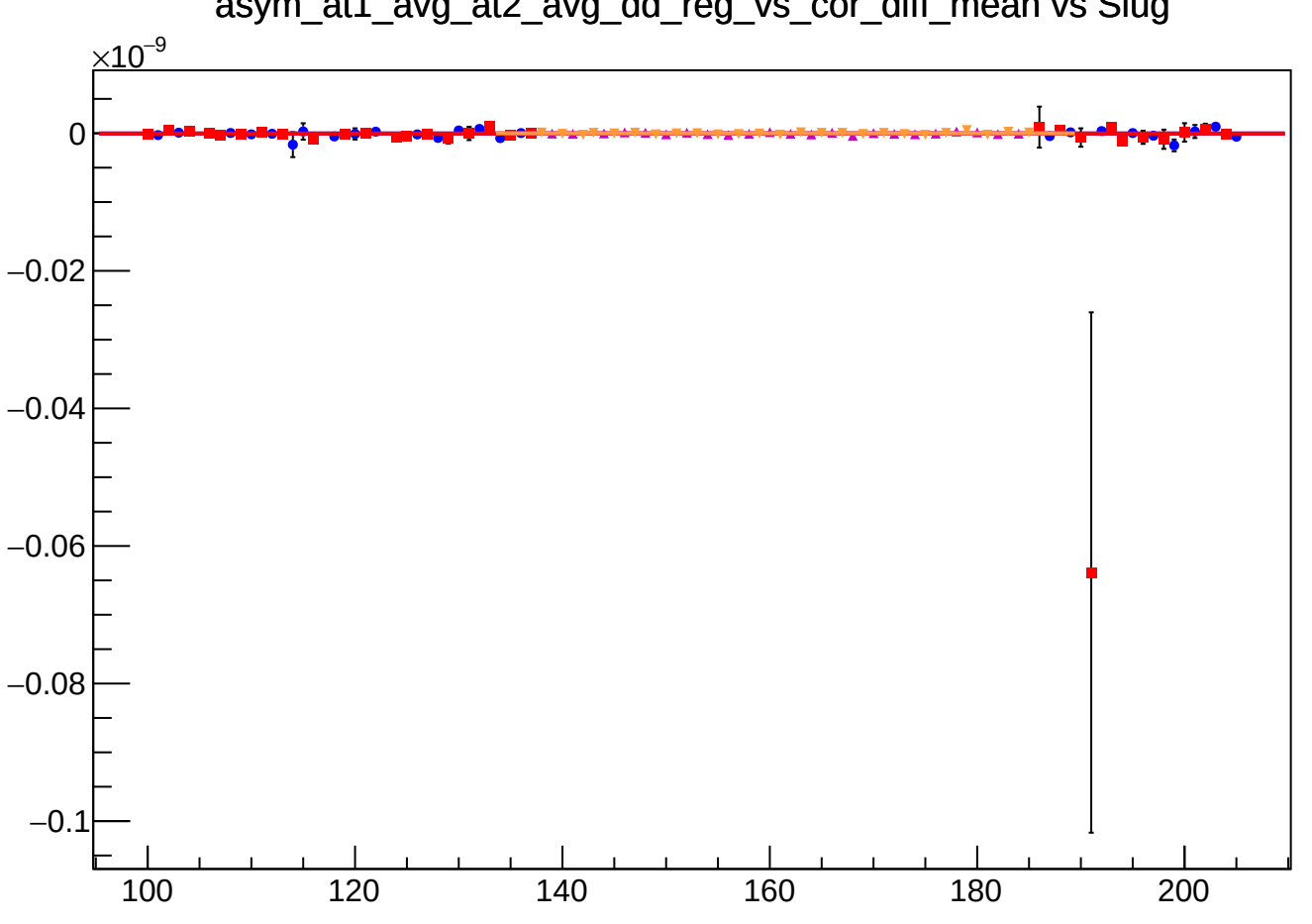
Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4240.765+/-0.533 χ^2/NDF: 3144285.8/49

All: 4248.460+/-0.378 χ^2/NDF: 6623280.0/10

- sign 4256.230+/-0.536 χ^2/NDF: 3478576.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

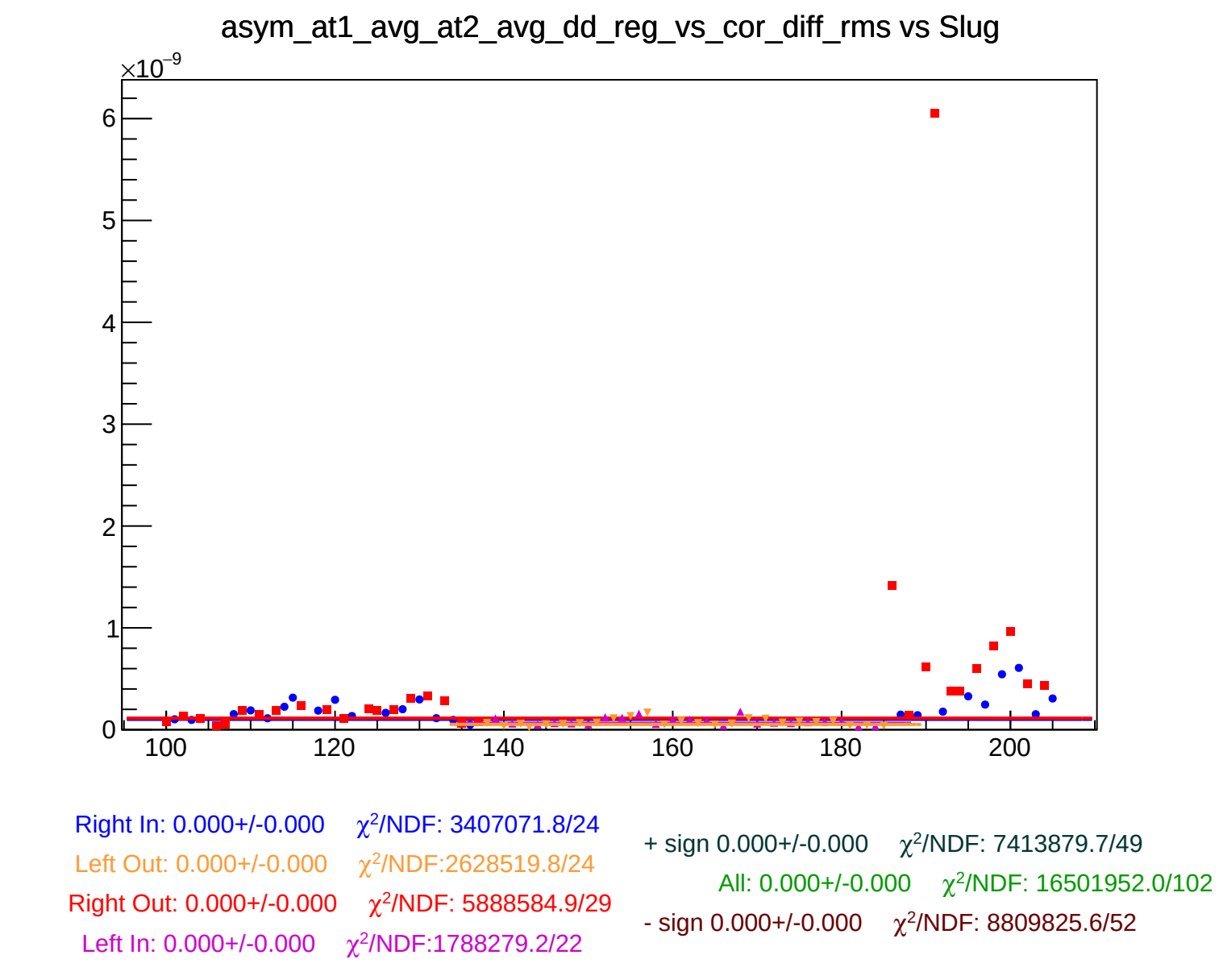
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

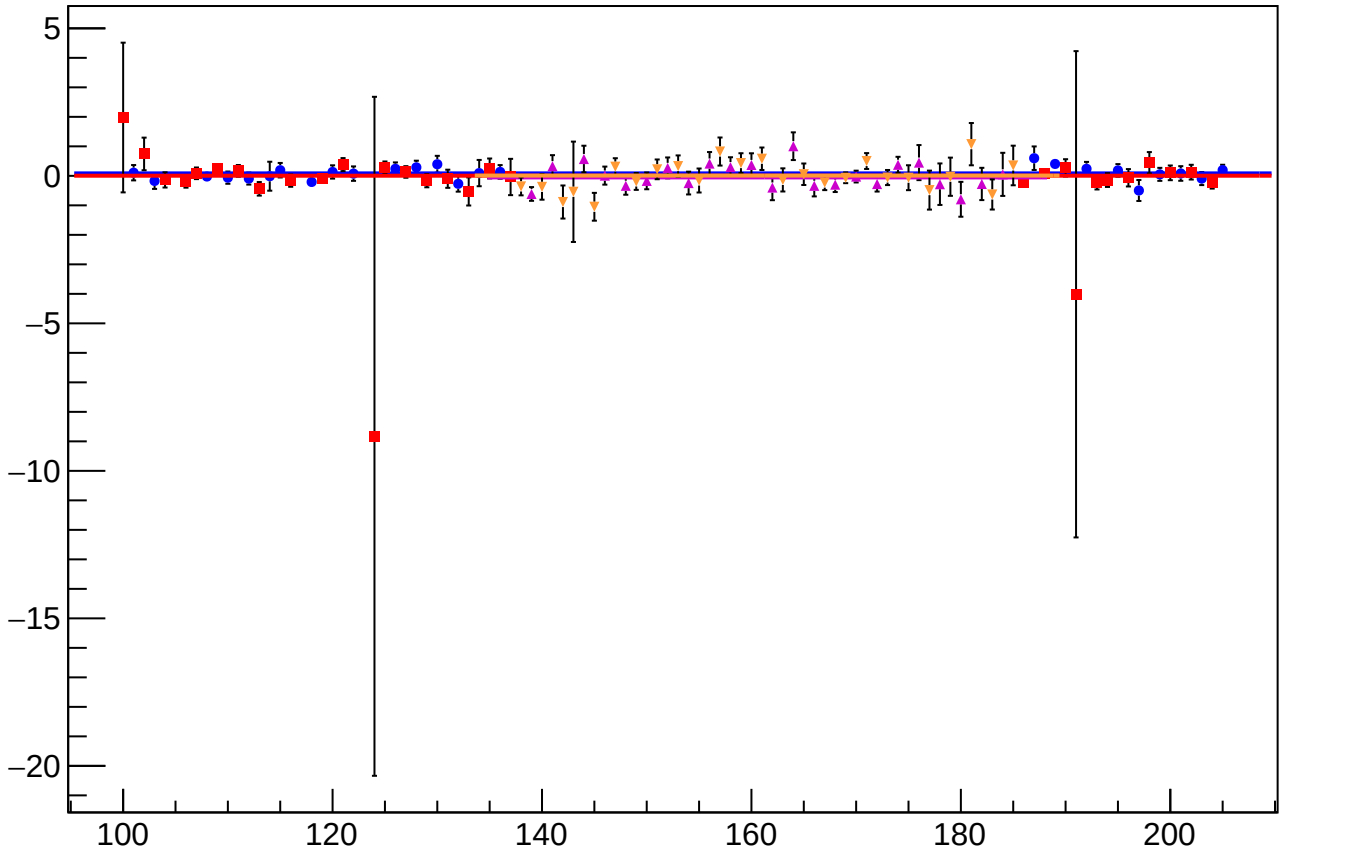
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/49

All: -0.000+/-0.000 χ^2/NDF: 103.7/102

- sign -0.000+/-0.000 χ^2/NDF: 44.3/52


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5888584.9/29
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7413879.7/49
All: 0.000+/-0.000 χ²/NDF: 16501952.0/102
- sign 0.000+/-0.000 χ²/NDF: 8809825.6/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

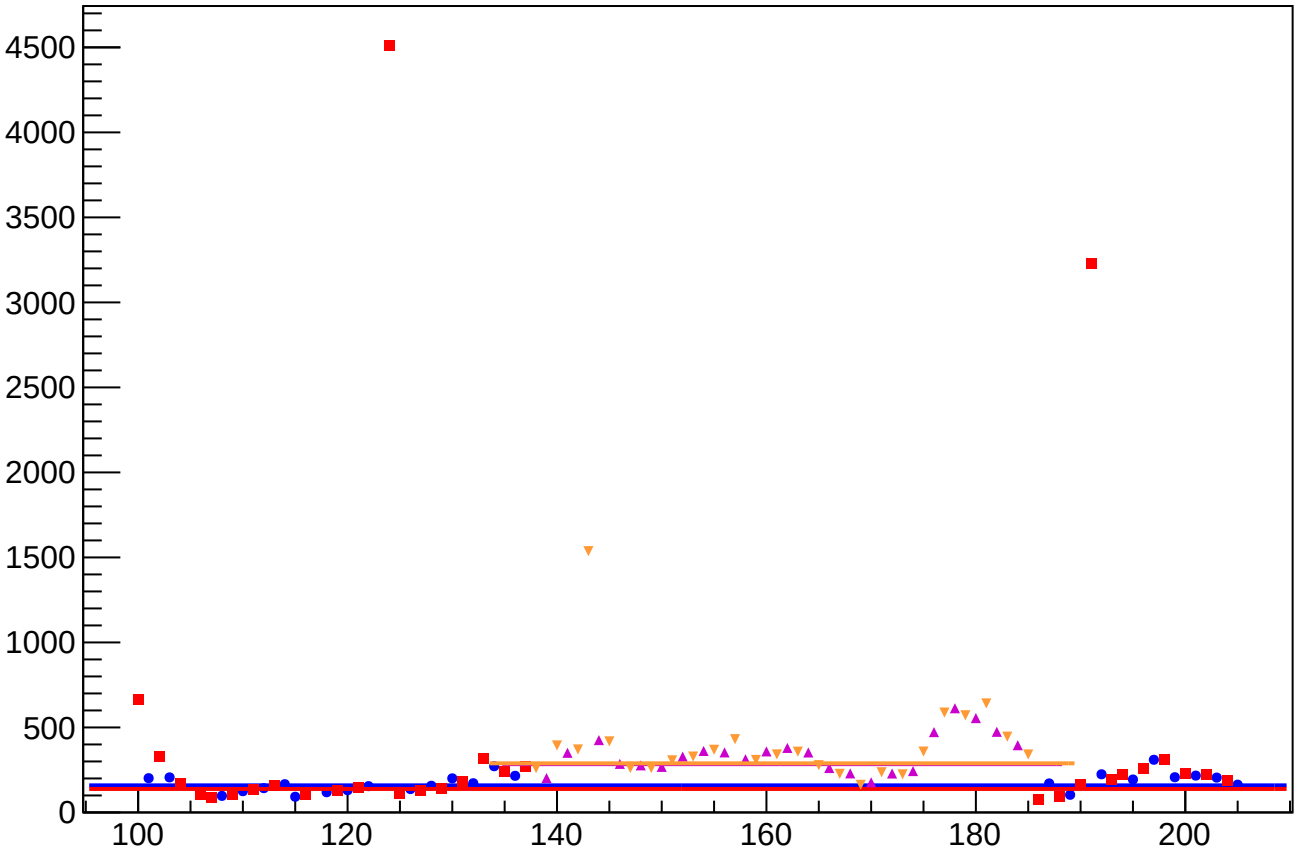
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

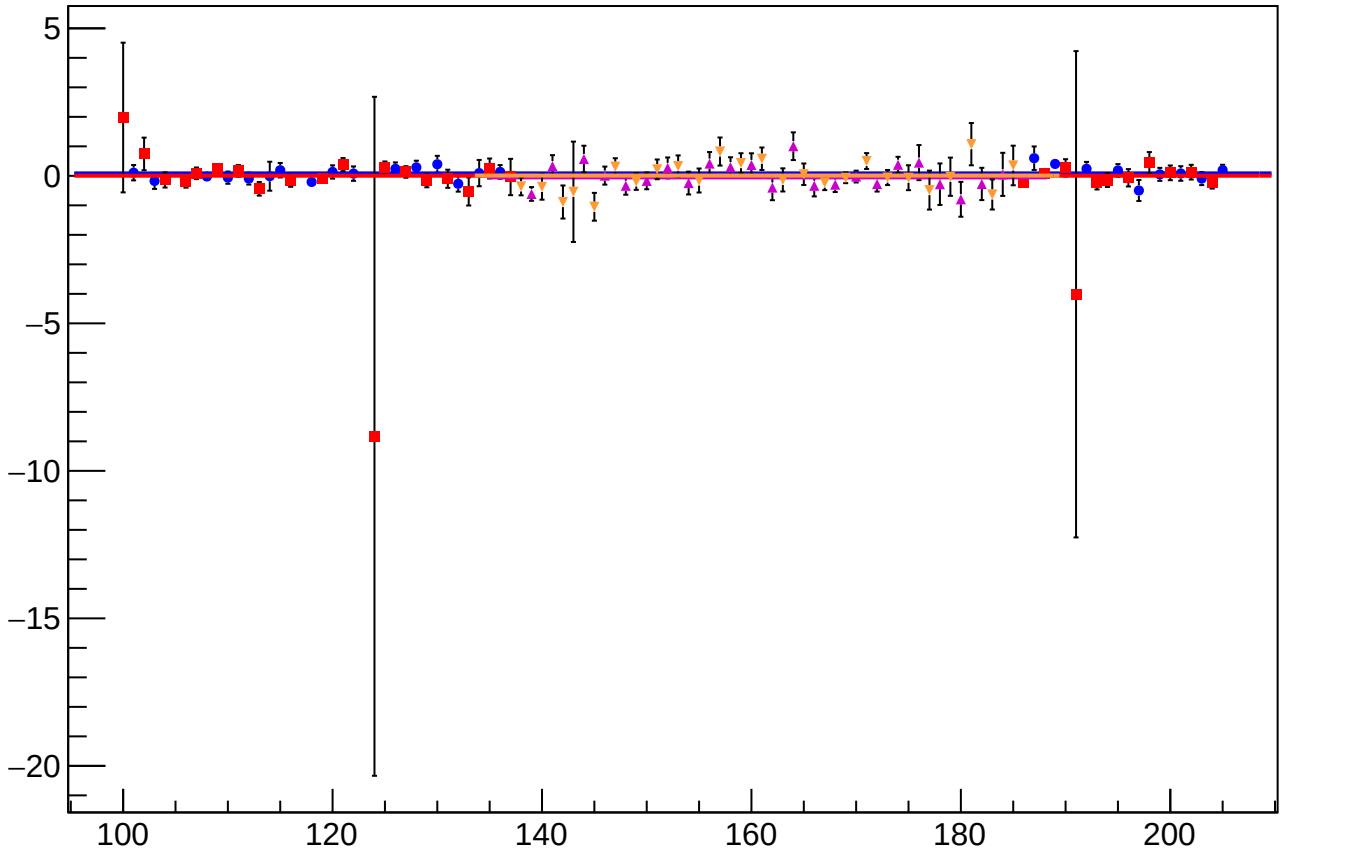
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

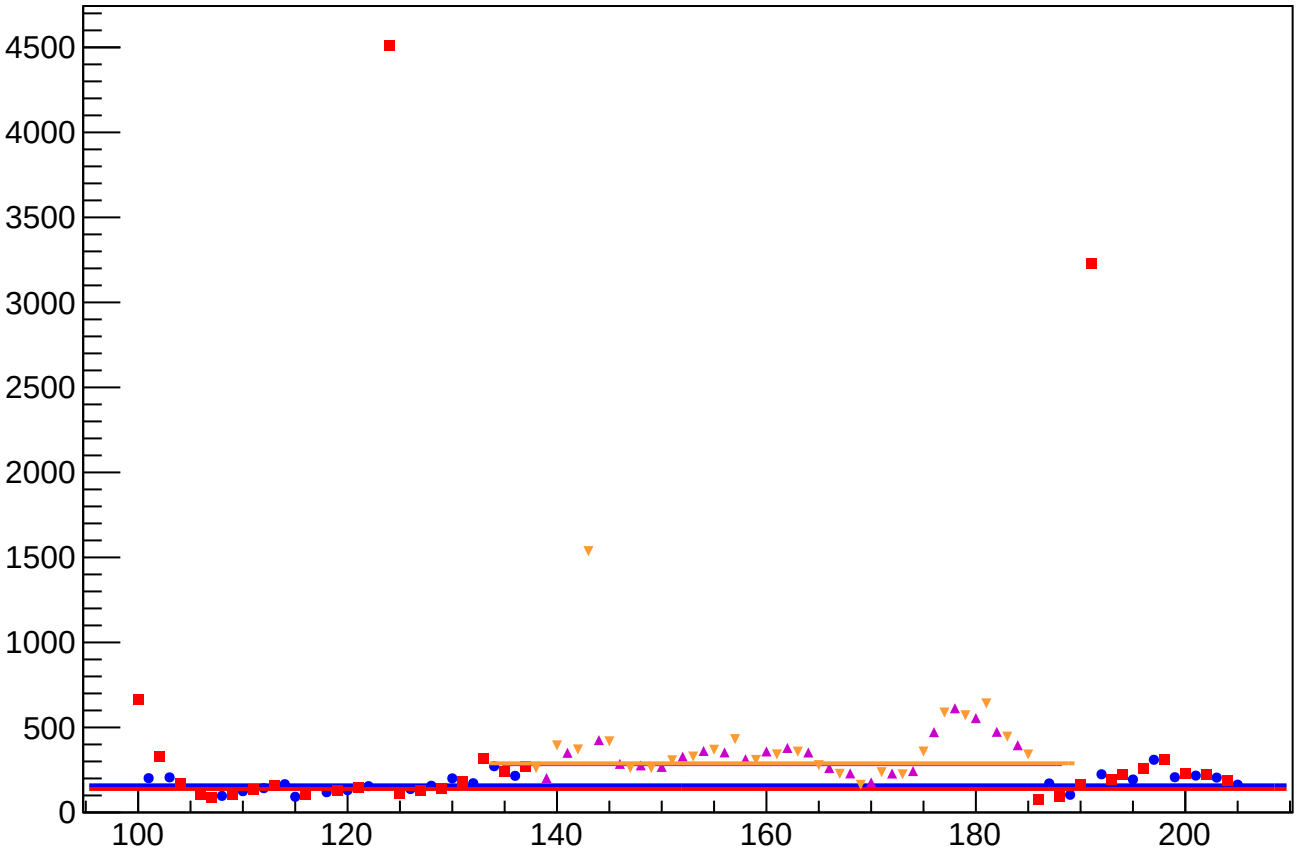
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

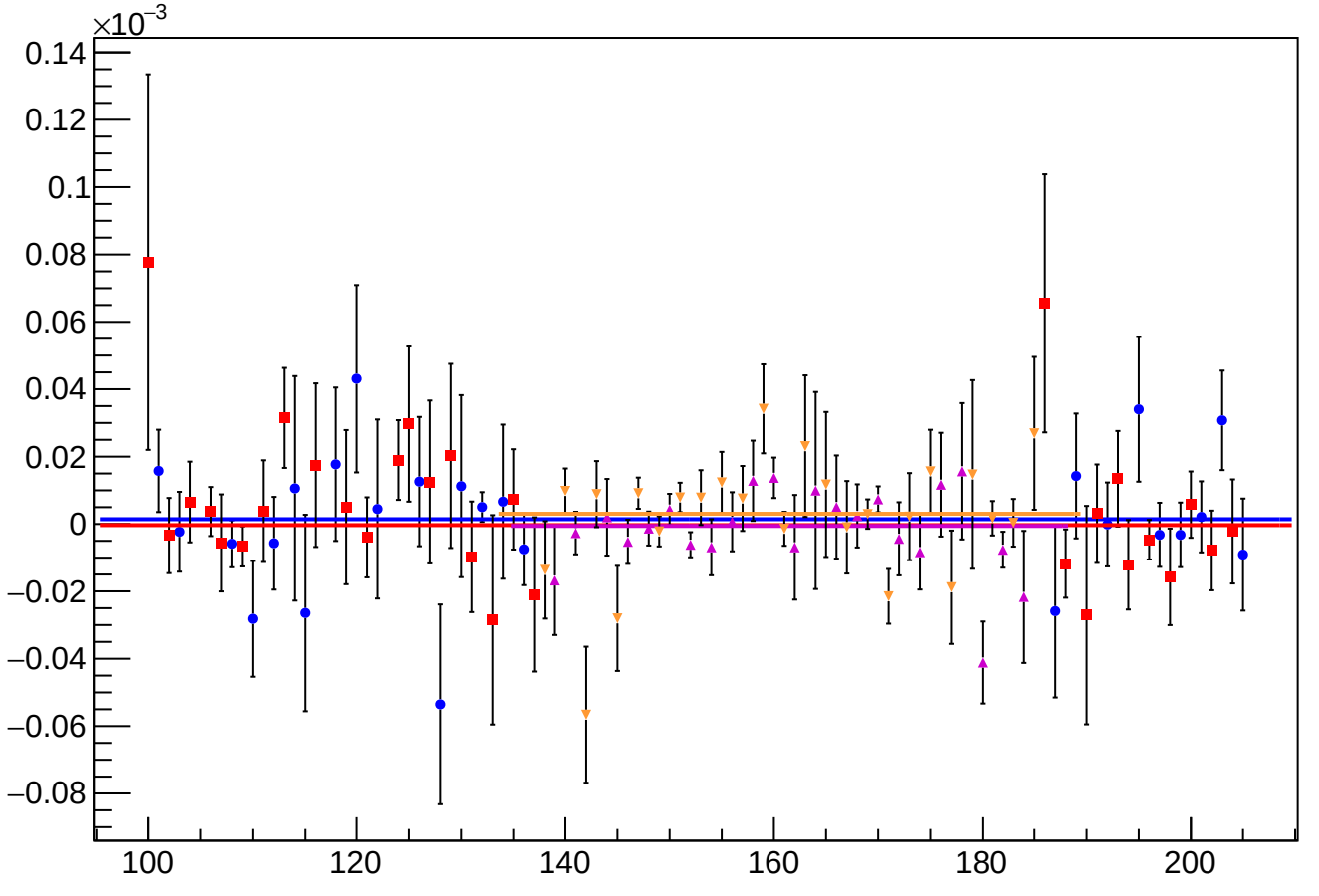
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

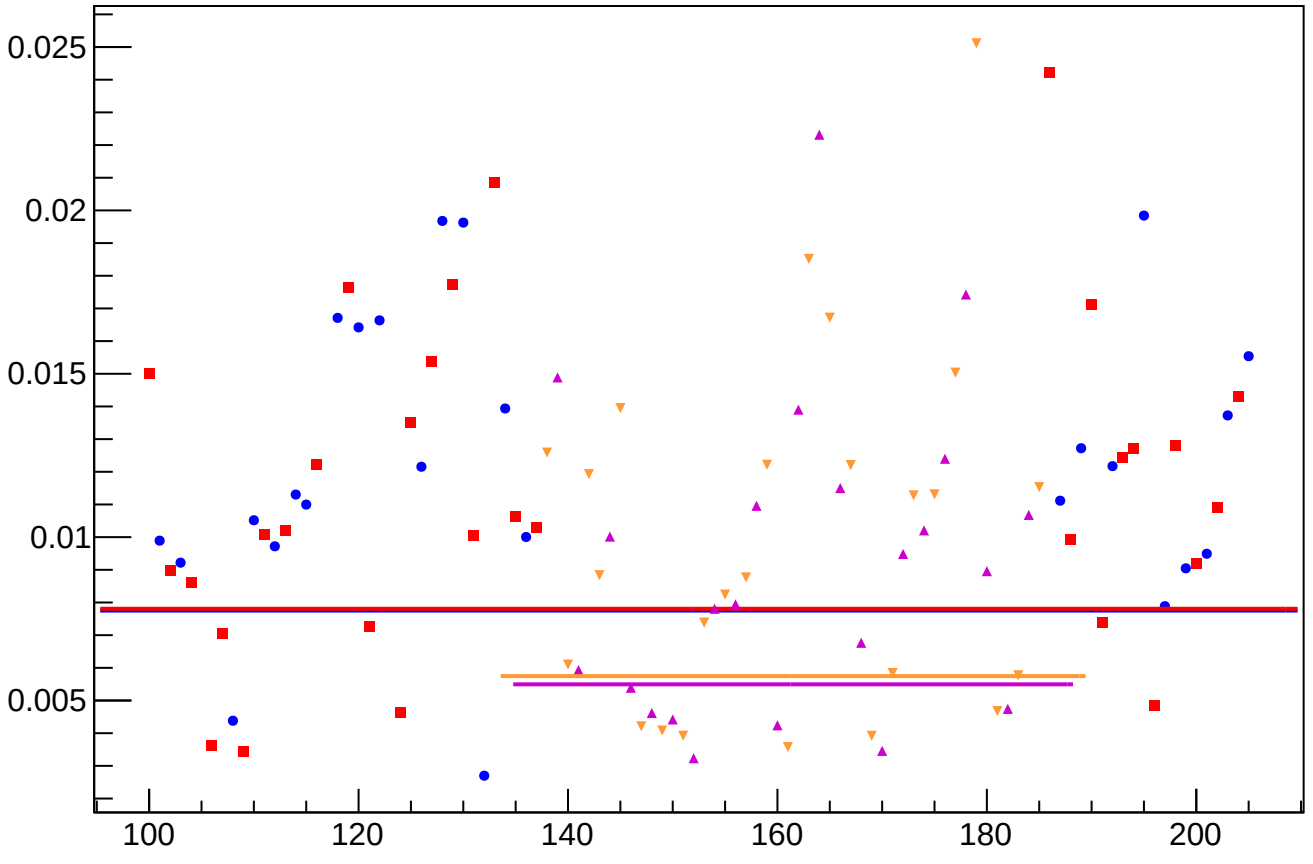
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/49

All: 0.000+/-0.000 χ^2/NDF: 128.2/102

- sign -0.000+/-0.000 χ^2/NDF: 59.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

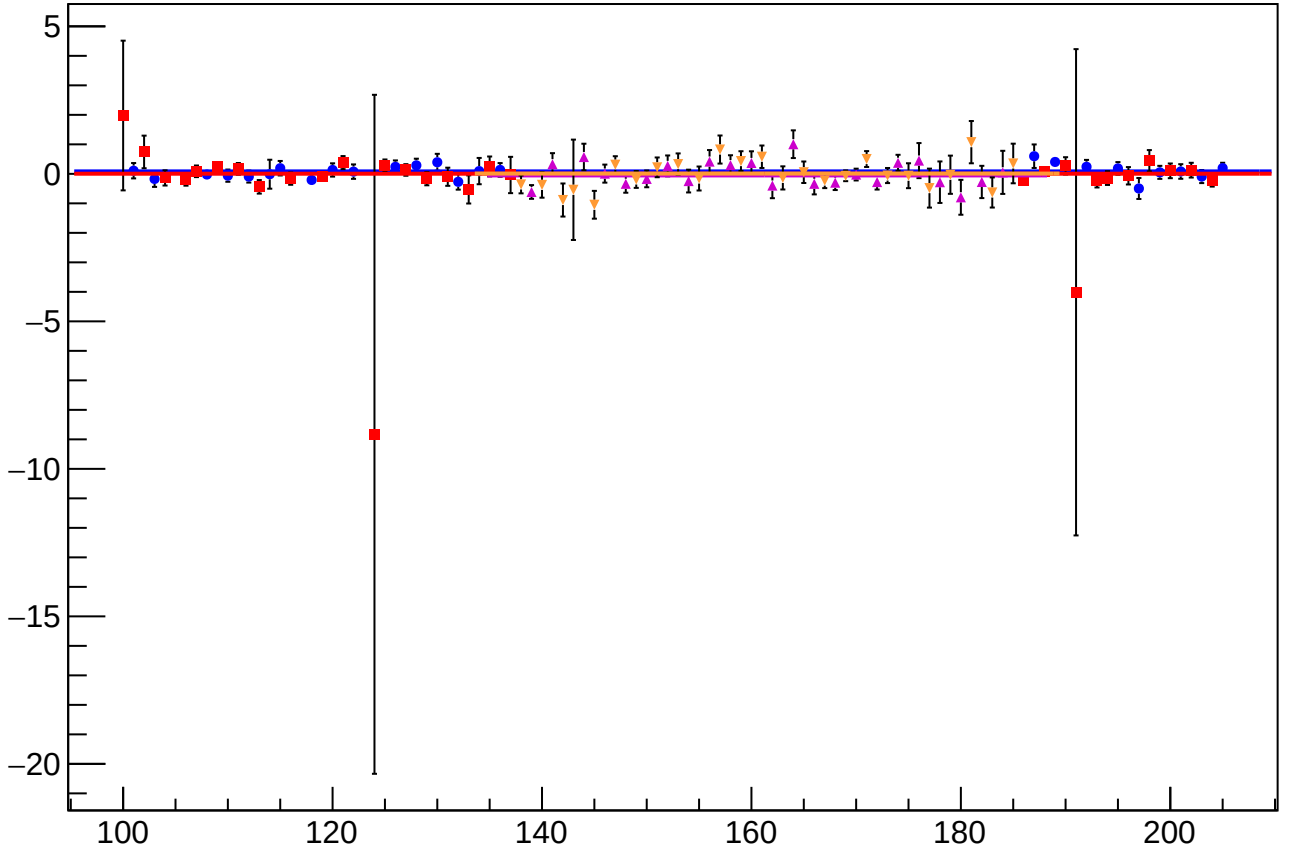
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 16109152.1/49

All: 0.006+/-0.000 χ^2/NDF: 30431873.0/102

- sign 0.006+/-0.000 χ^2/NDF: 14315679.1/52

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

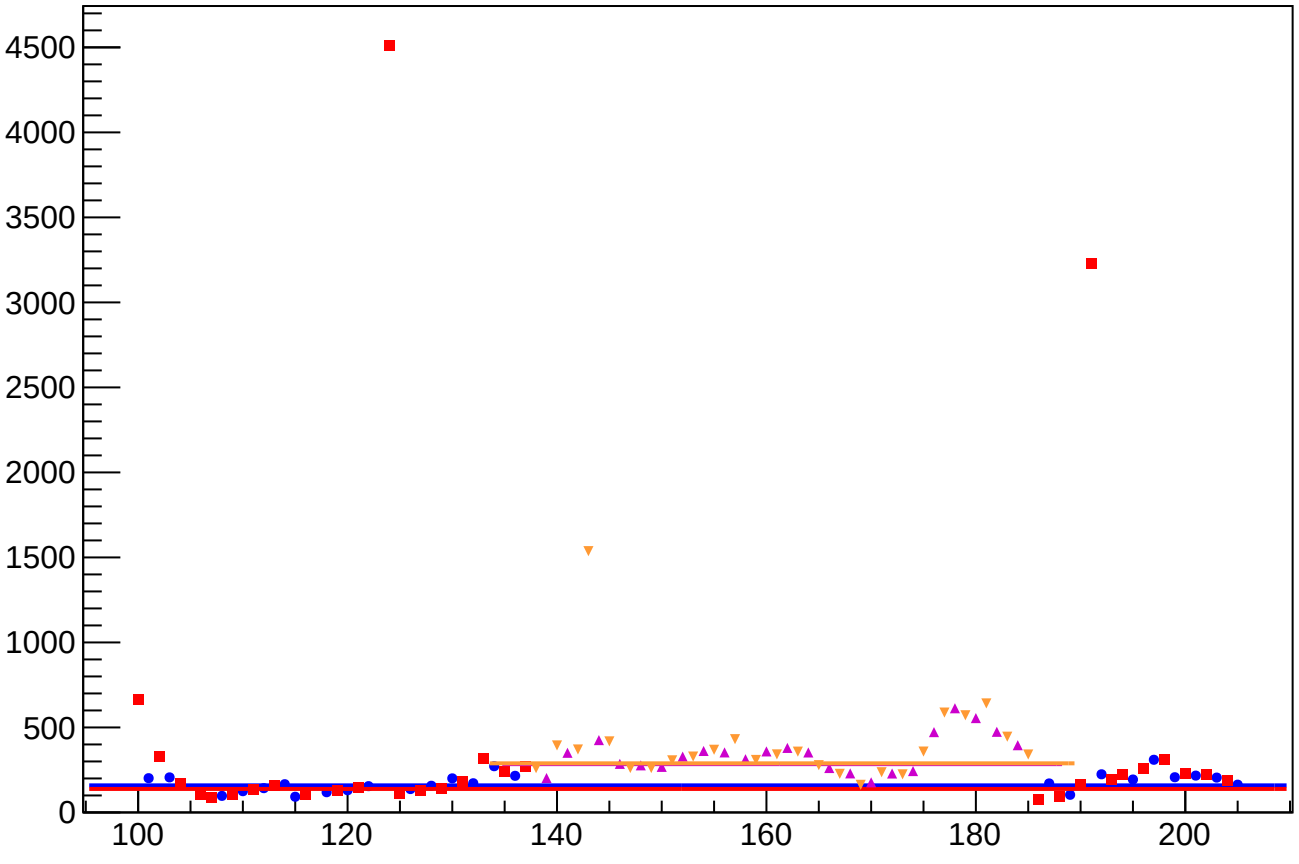
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

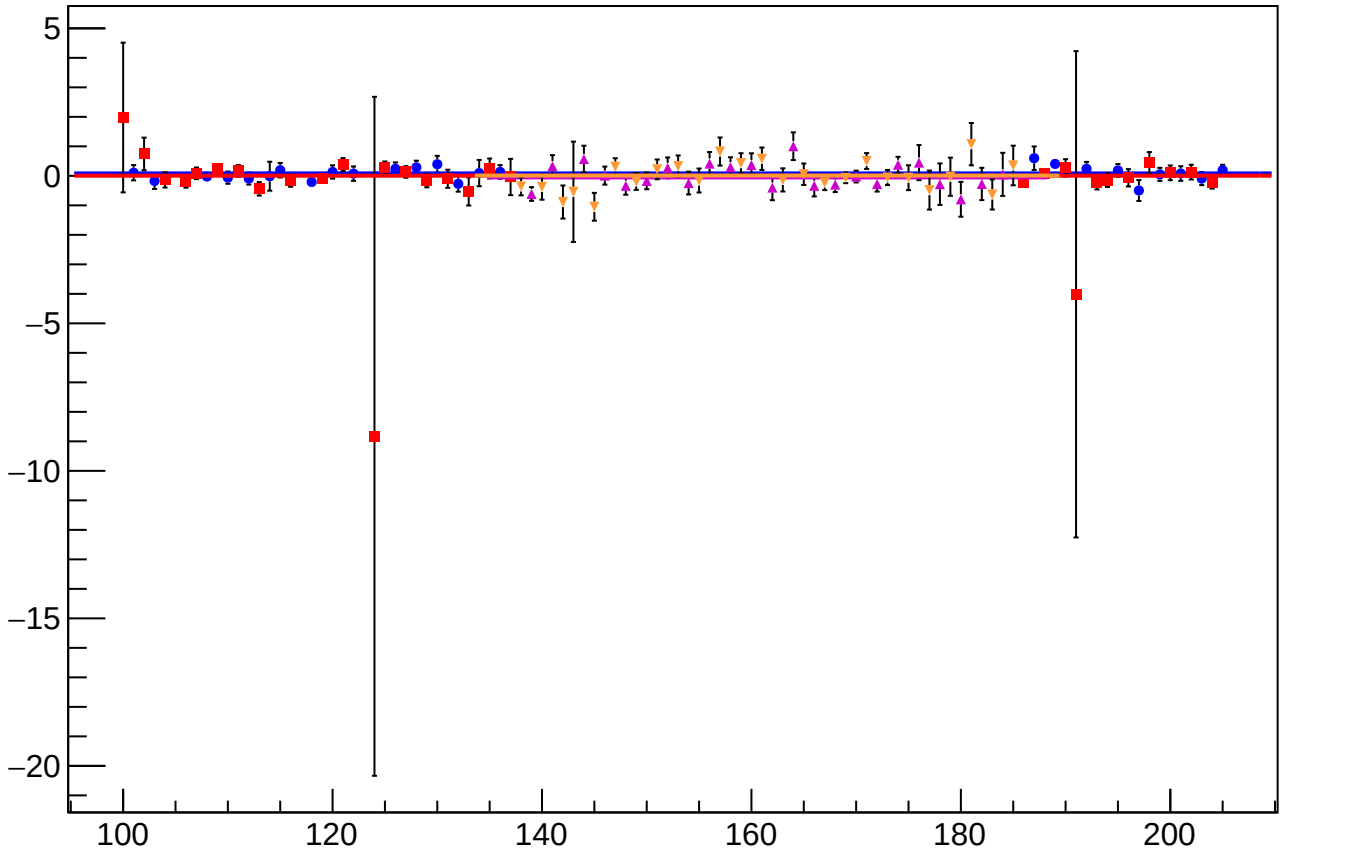
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

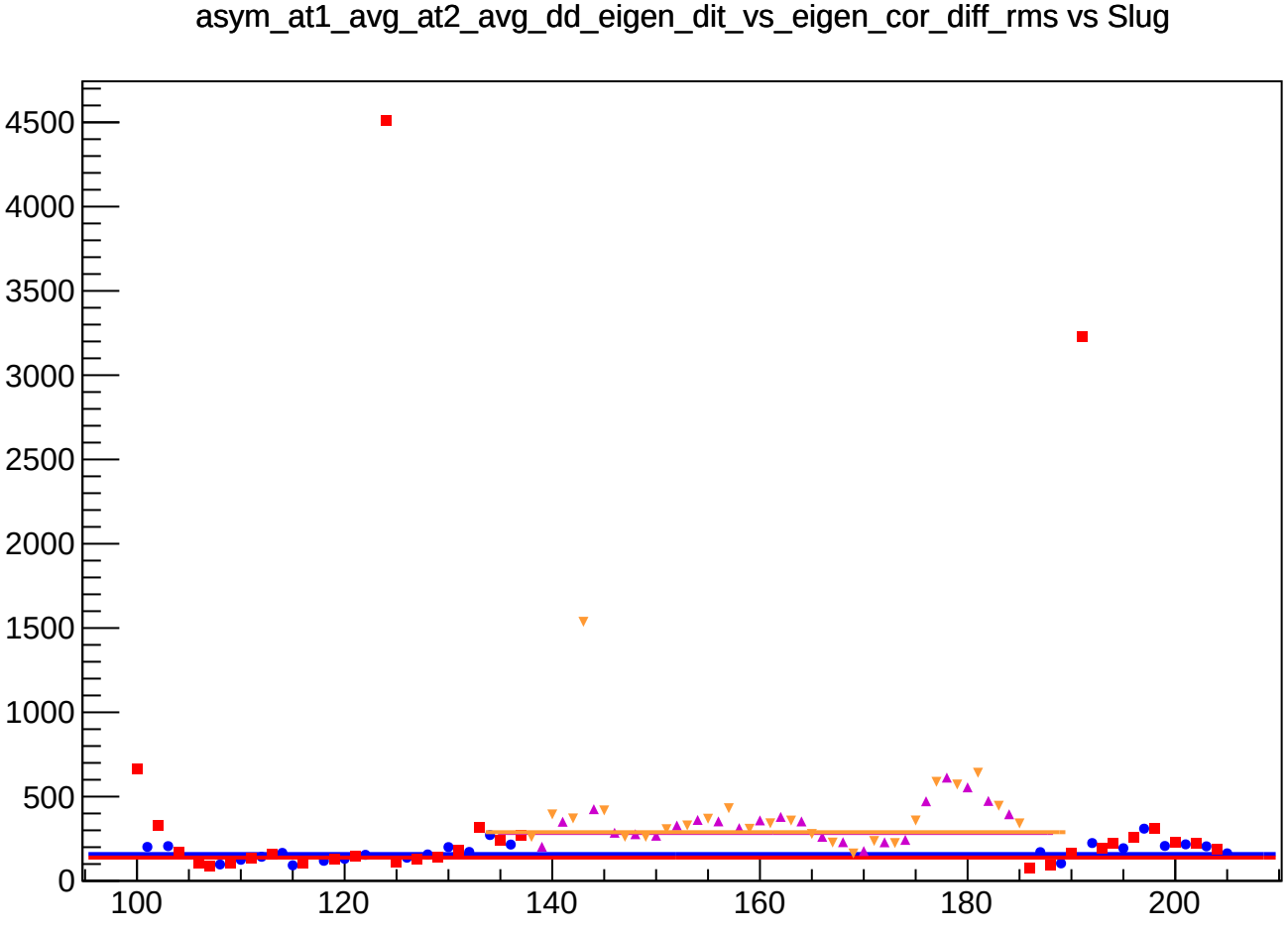
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

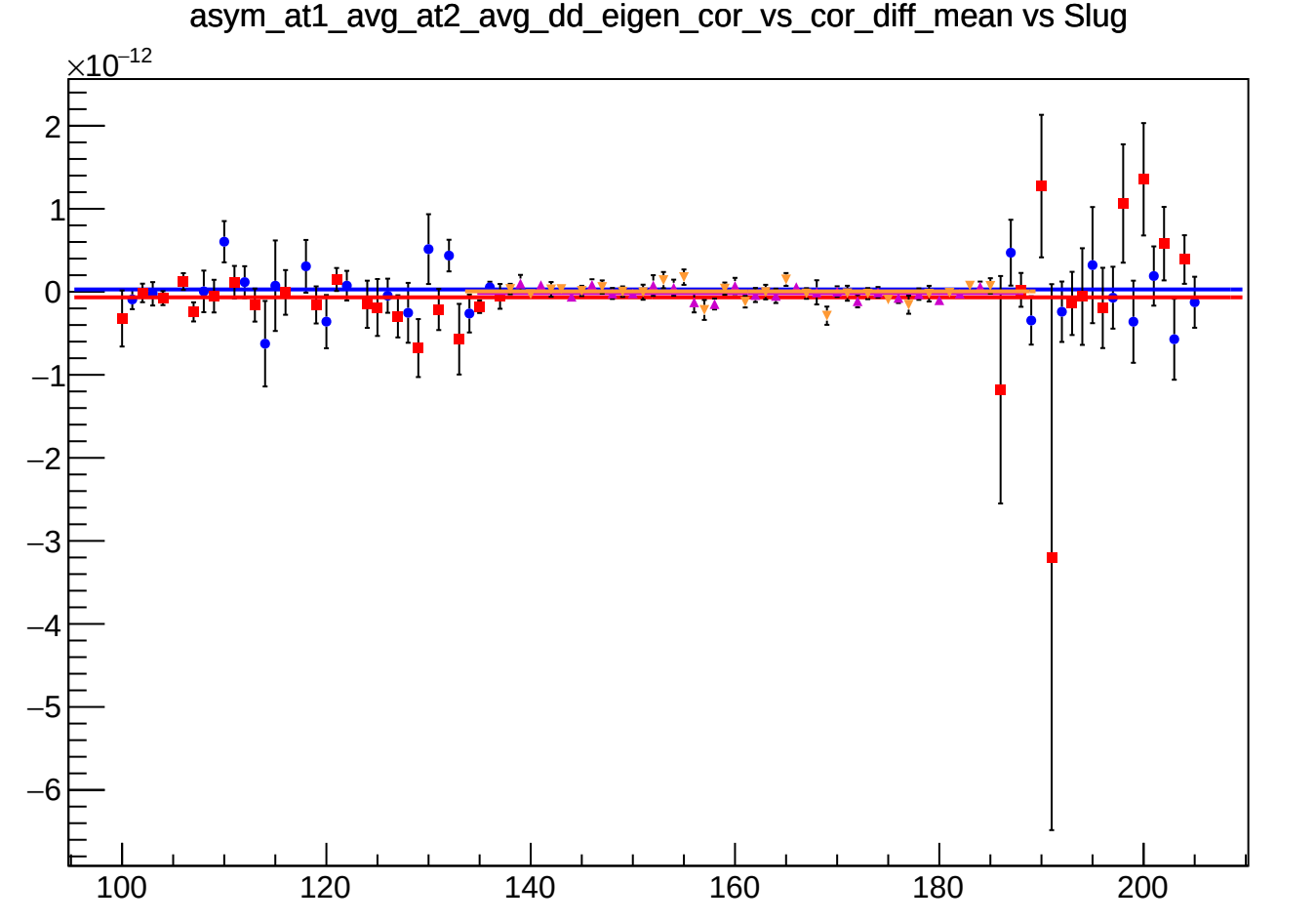
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

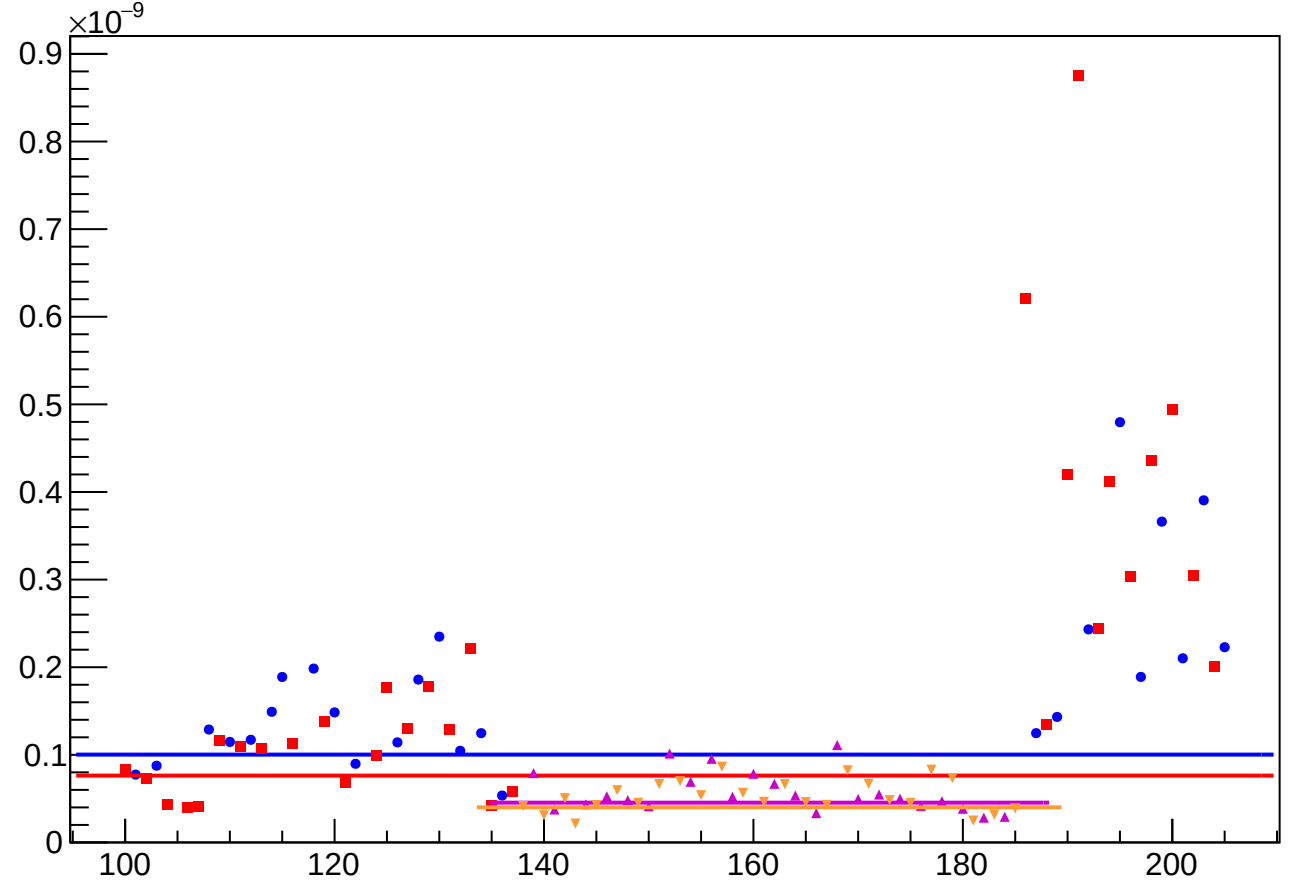
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/49

All: -0.000+/-0.000 χ^2/NDF: 122.4/102

- sign -0.000+/-0.000 χ^2/NDF: 59.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

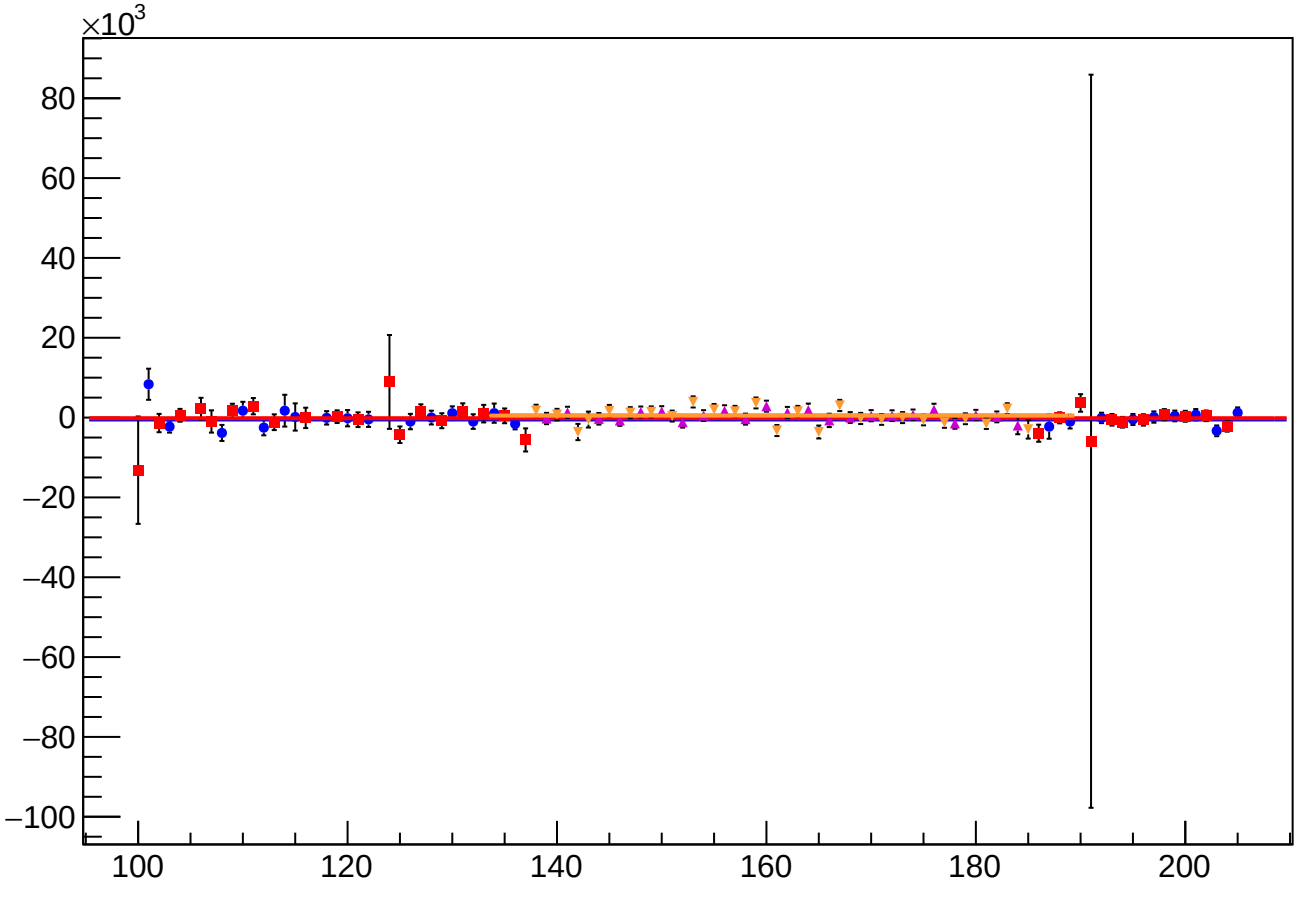
Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12283706.2/49

All: 0.000+/-0.000 χ^2/NDF: 23649097.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11213597.1/52



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -157.833+/-336.785 χ^2/NDF: 25.7/29

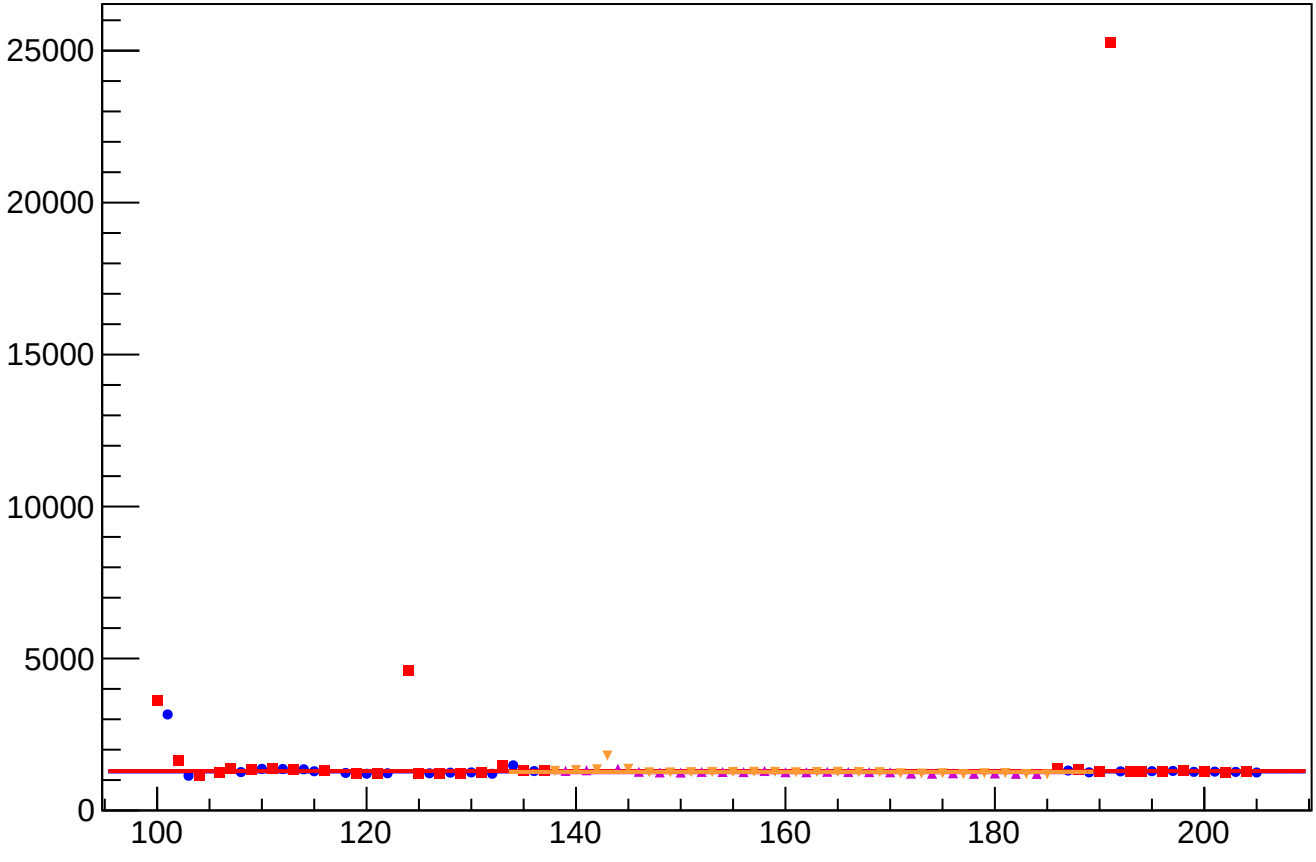
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 93.145+/-221.317 χ^2/NDF: 73.4/49

All: 150.690+/-156.518 χ^2/NDF: 115.8/102

- sign 208.269+/-221.382 χ^2/NDF: 42.2/52

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

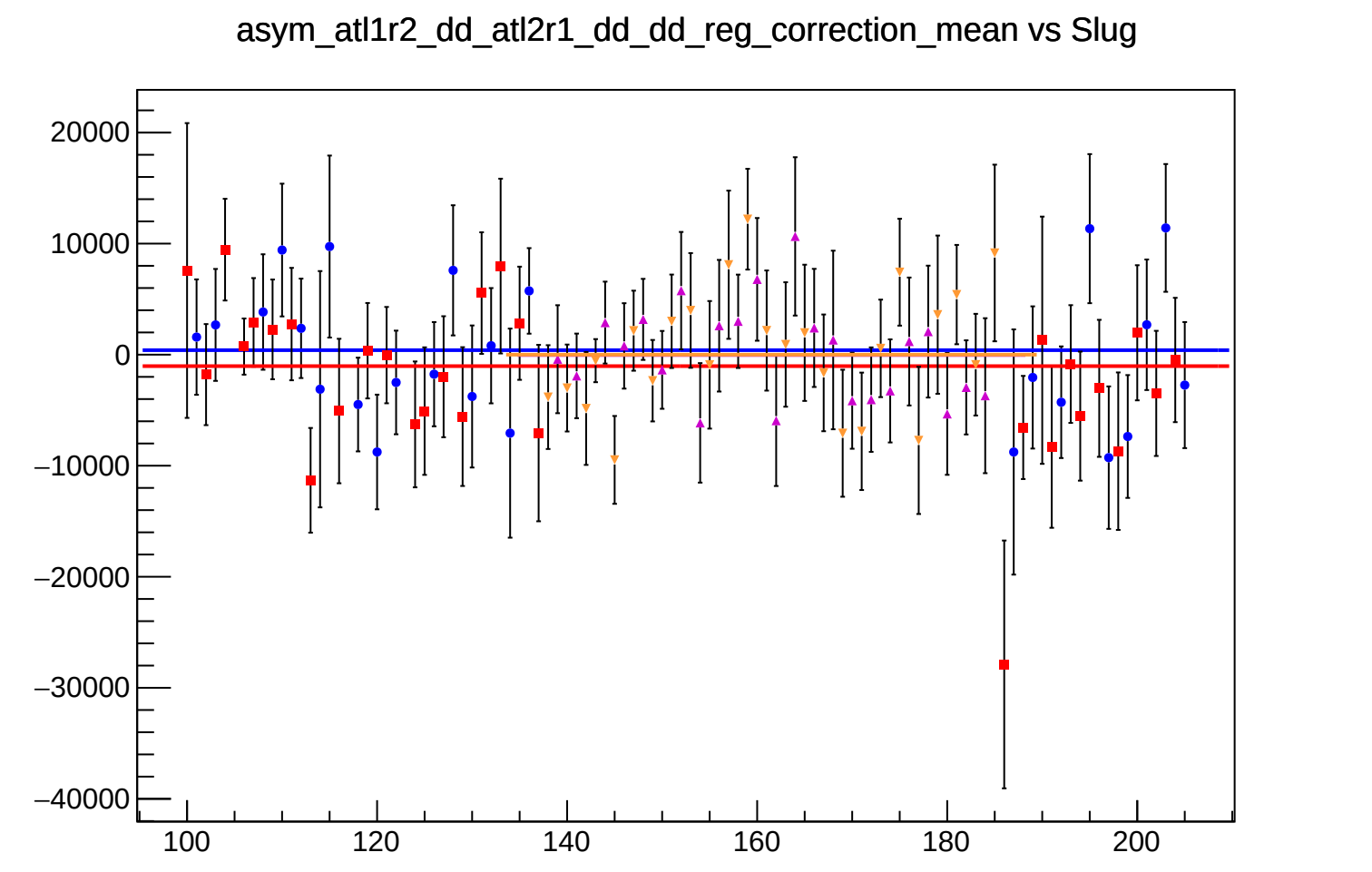
Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707950.6/49

All: 1273.750+/-0.111 χ^2/NDF: 1227345.3/10

- sign 1273.981+/-0.156 χ^2/NDF: 519390.2/52



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

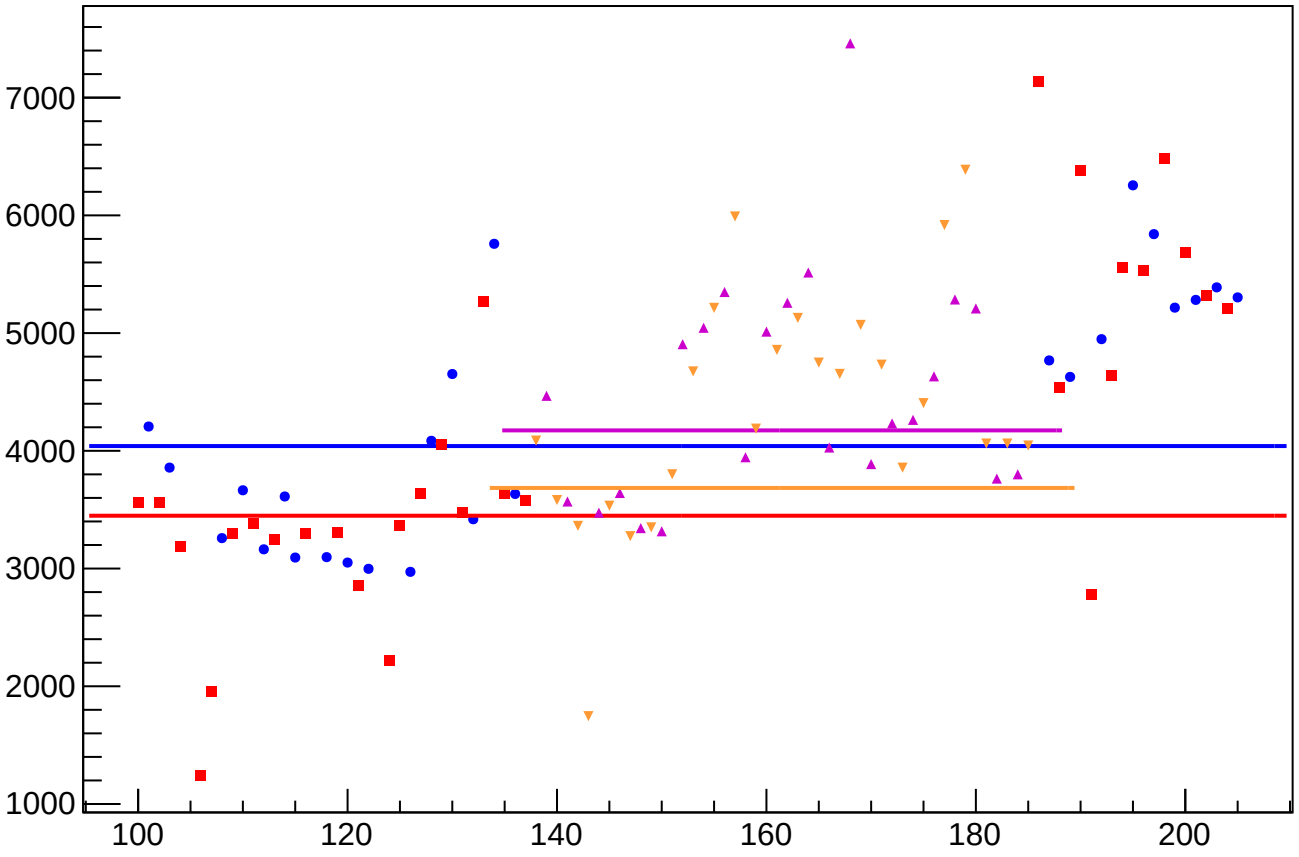
Right Out: -1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 156.650+/-692.804 χ^2/NDF: 56.0/49

All: -199.414+/-488.773 χ^2/NDF: 101.1/102

- sign -552.258+/-689.664 χ^2/NDF: 44.5/52



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

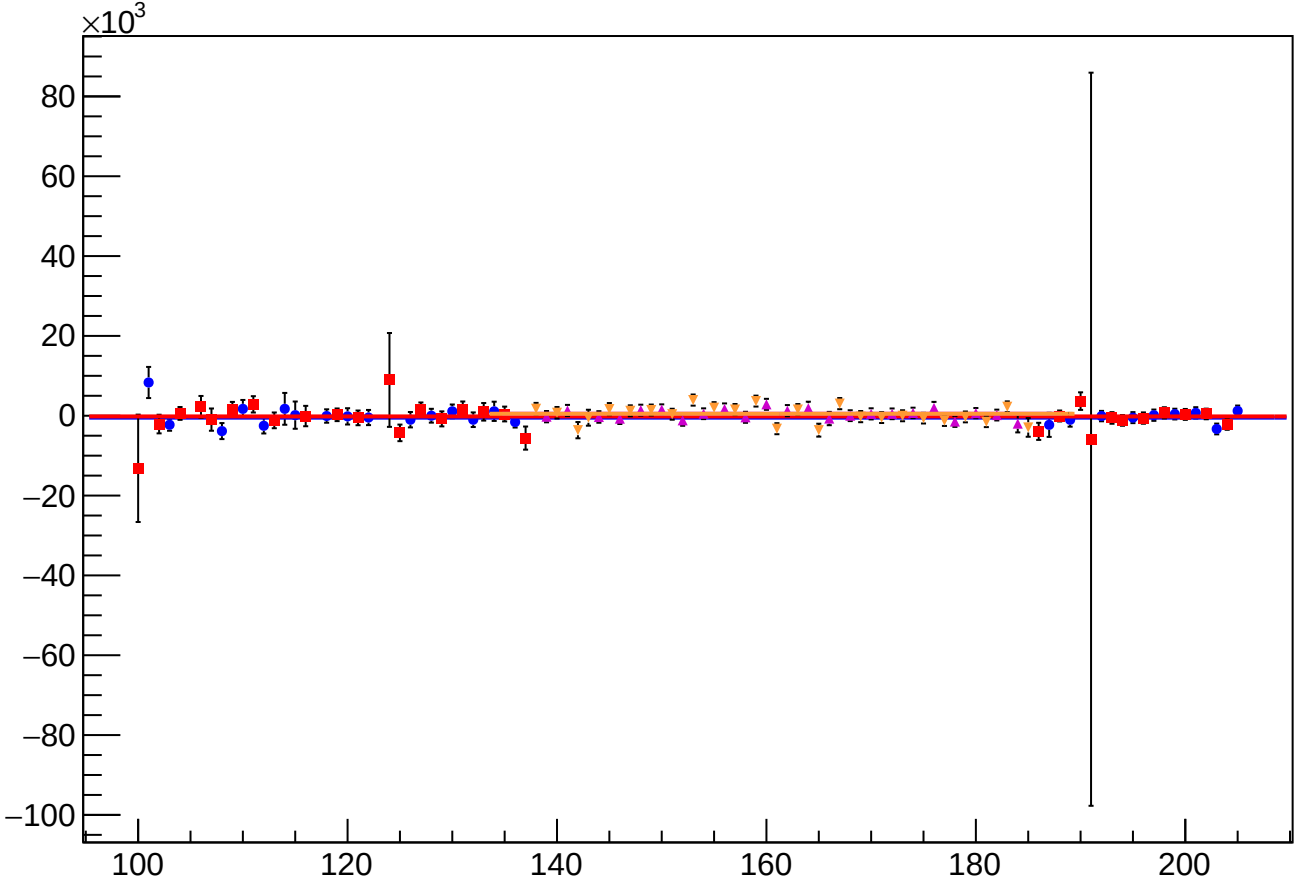
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3823.201+/-0.490 χ^2/NDF: 5351067.3/49

All: 3809.896+/-0.346 χ^2/NDF: 11394910.5/1

- sign 3796.710+/-0.488 χ^2/NDF: 6042374.4/52

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

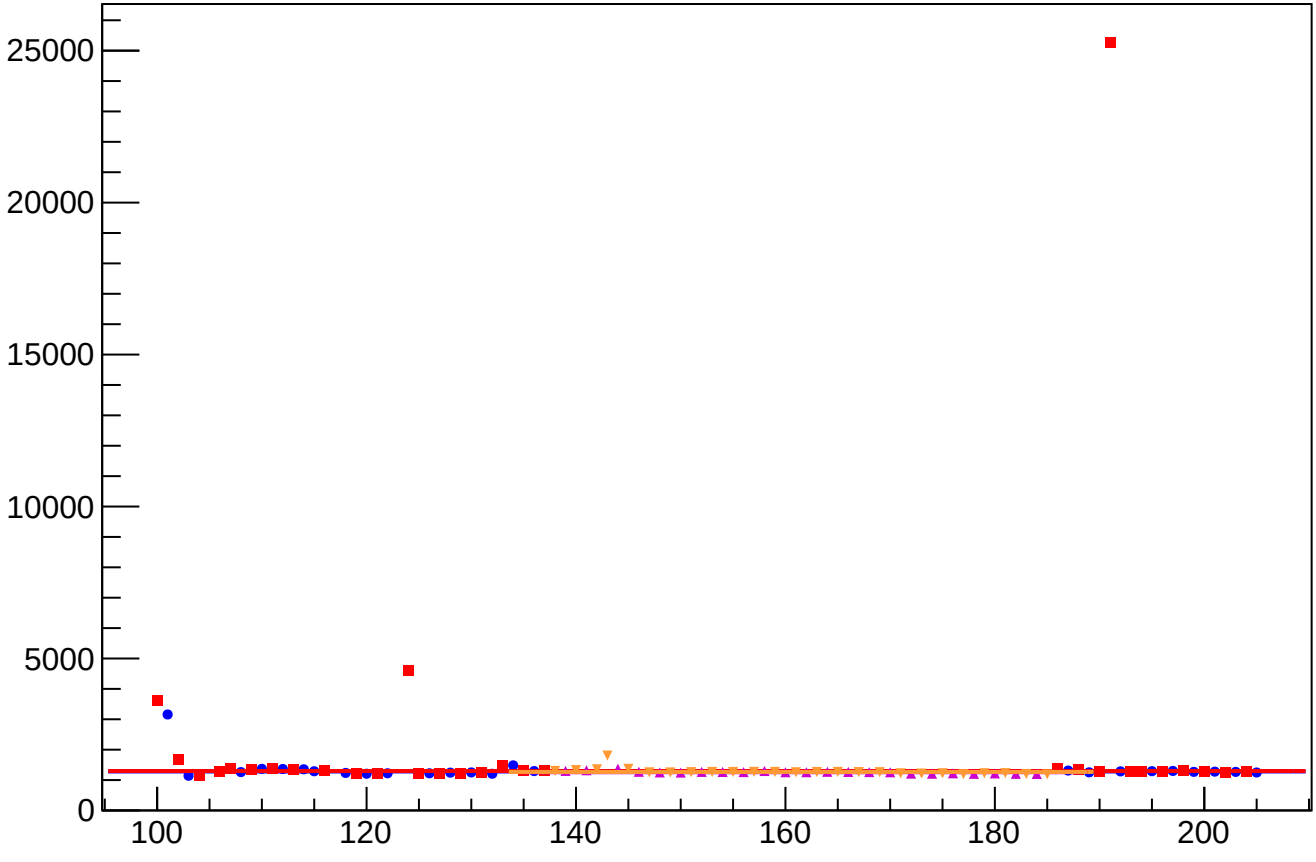
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 147.668+/-156.528 χ^2/NDF: 116.3/102

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

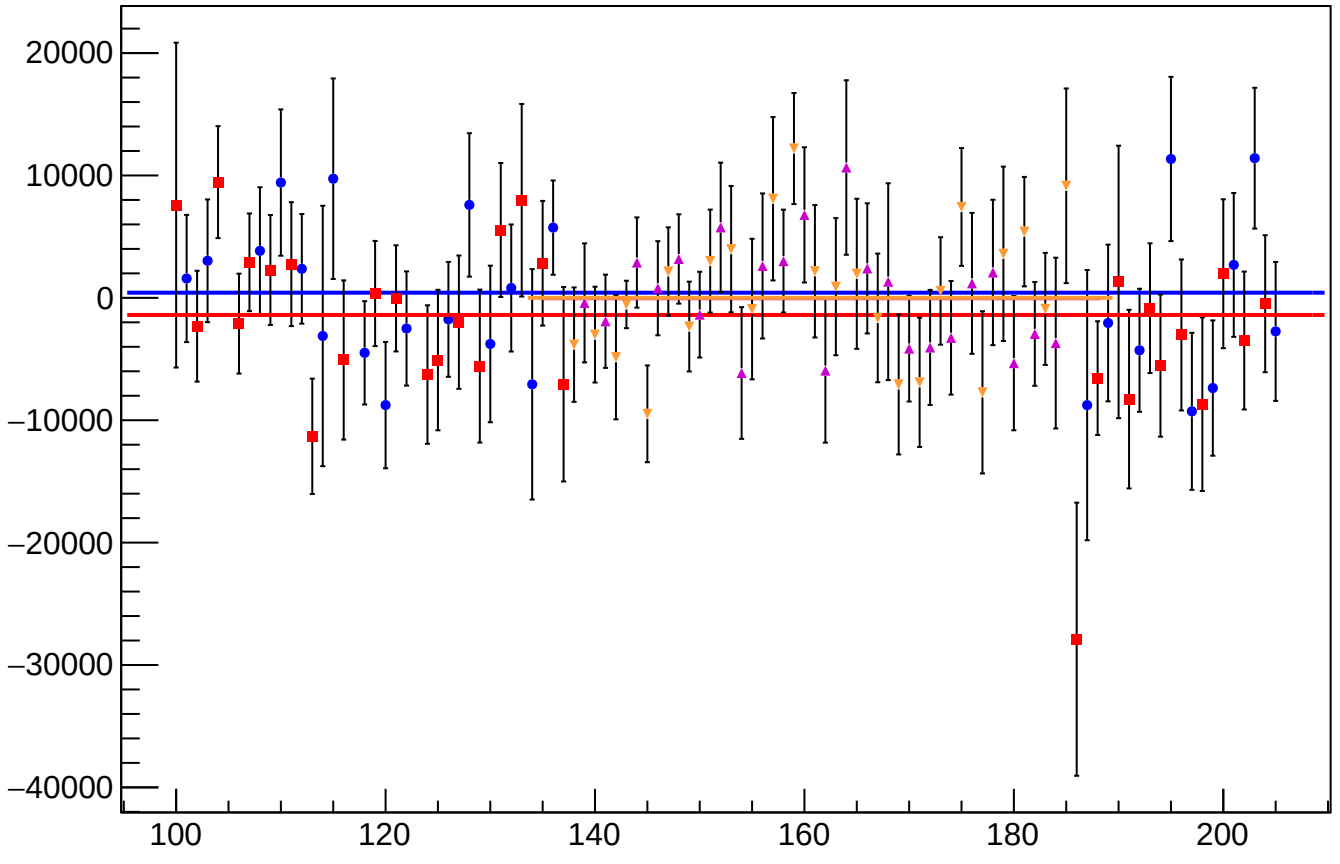
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

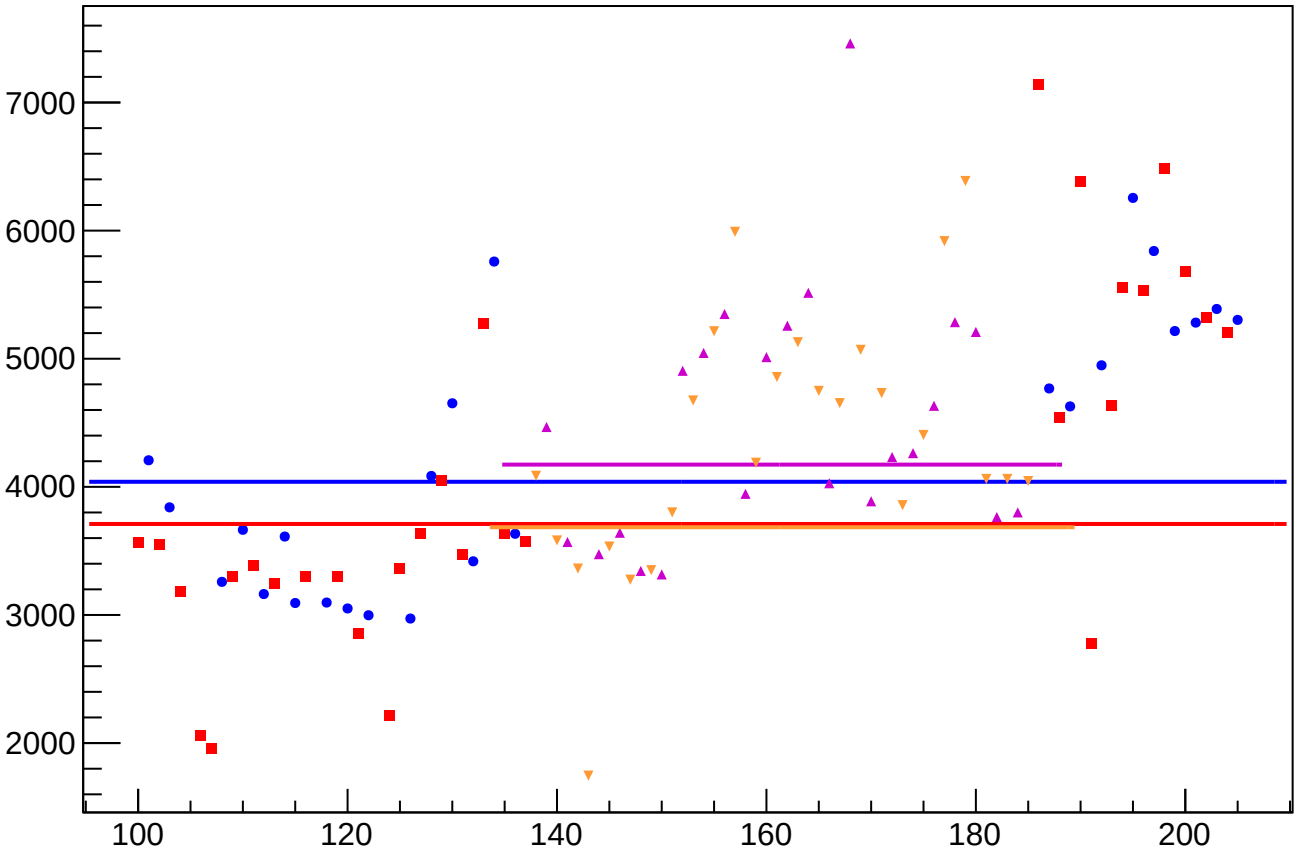
Right Out: -1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -265.231+/-494.433 χ^2/NDF: 101.3/102

- sign -710.796+/-705.917 χ^2/NDF: 44.4/52



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

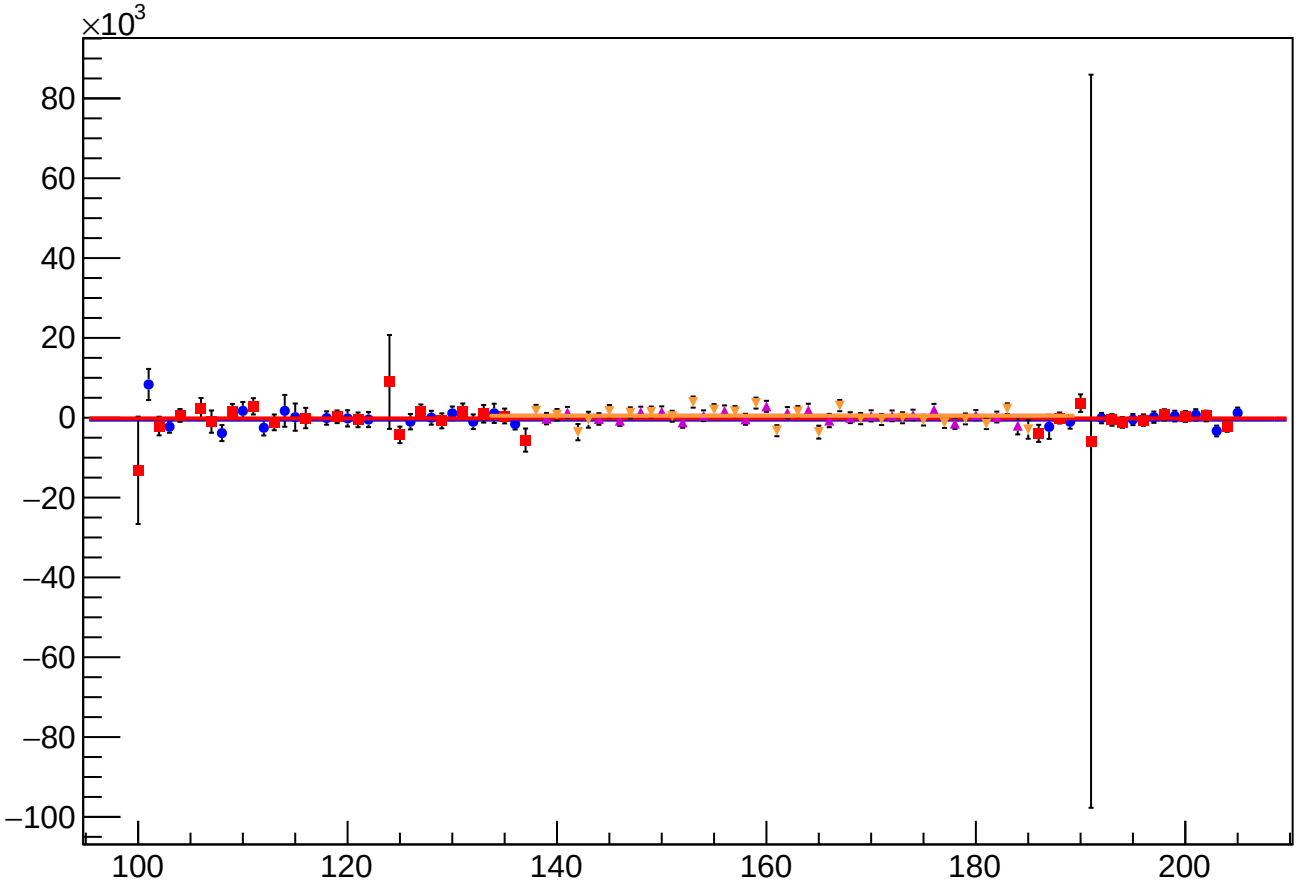
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10

- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -171.779+/-336.892 χ^2/NDF: 26.1/29

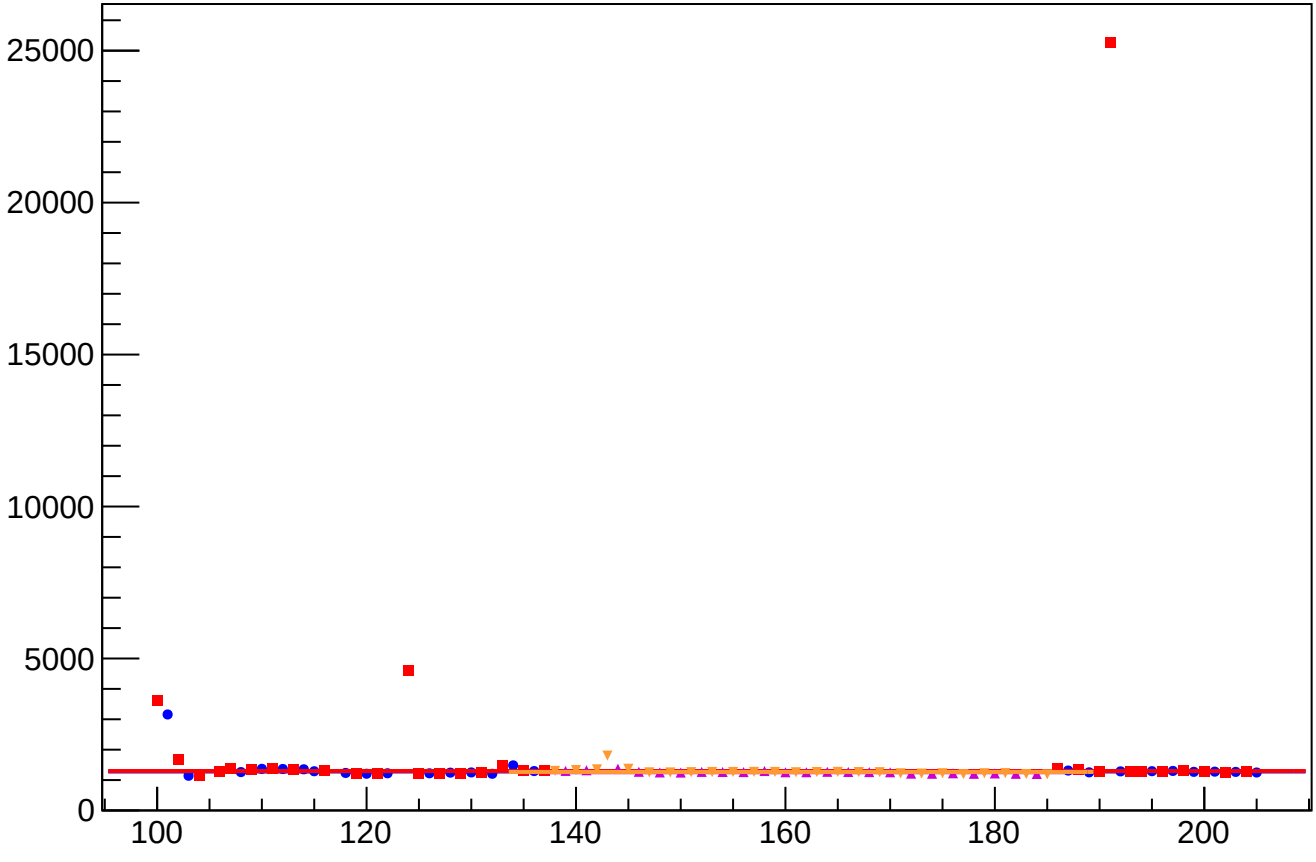
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 147.668+/-156.528 χ^2/NDF: 116.3/102

- sign 202.287+/-221.413 χ^2/NDF: 42.7/52

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

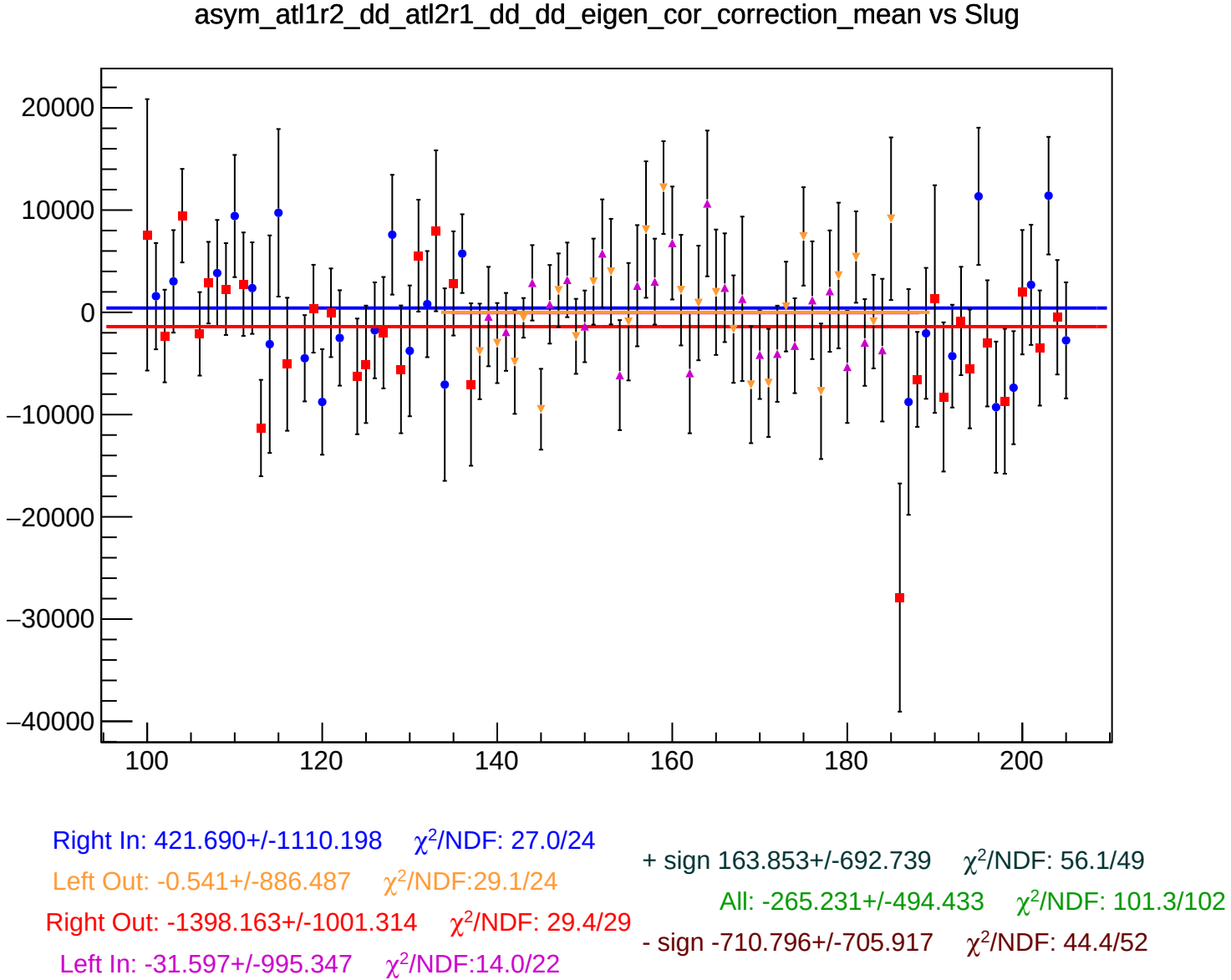
Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

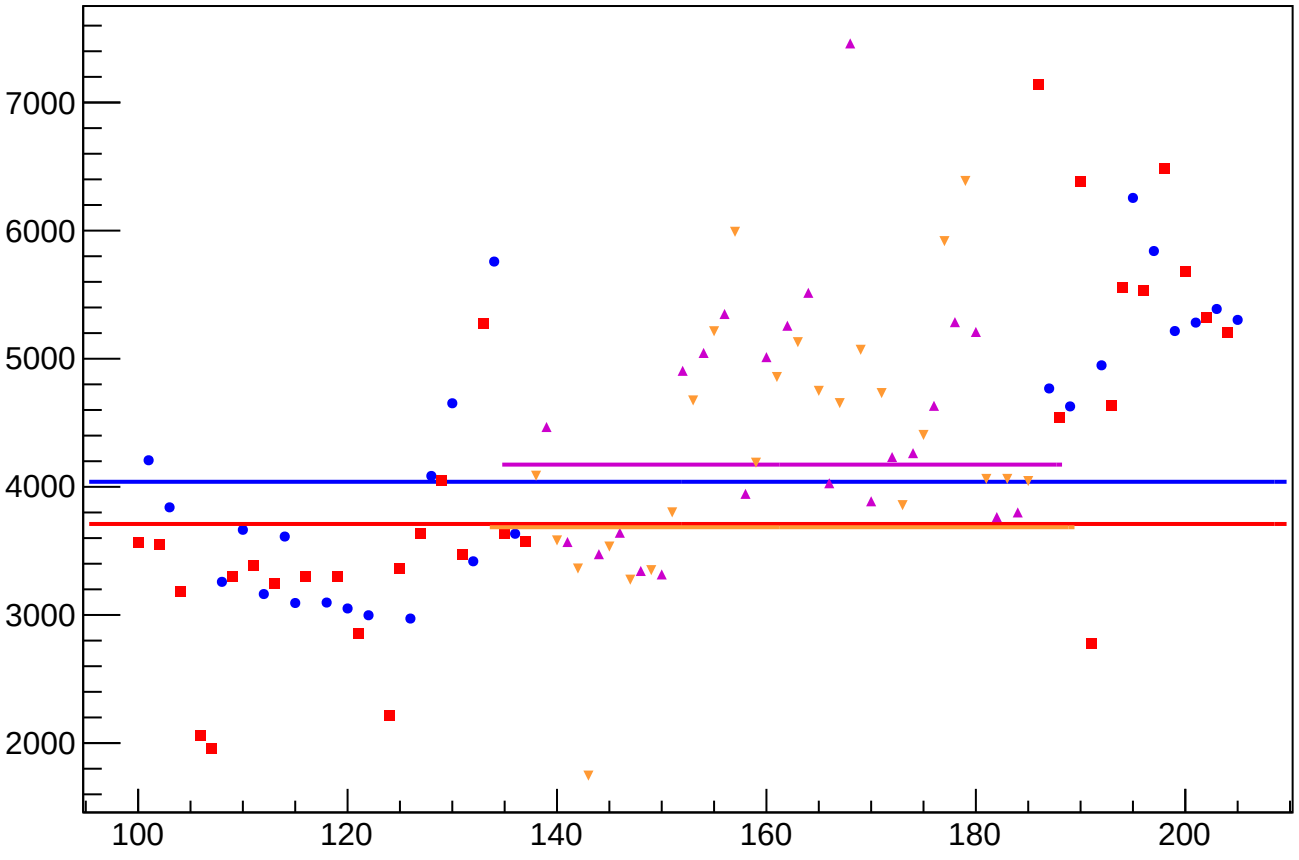
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

- sign 1274.385+/-0.157 χ^2/NDF: 526779.8/52


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 421.690+/-1110.198 χ²/NDF: 27.0/24
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1398.163+/-1001.314 χ²/NDF: 29.4/29
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 163.853+/-692.739 χ²/NDF: 56.1/49
All: -265.231+/-494.433 χ²/NDF: 101.3/102
- sign -710.796+/-705.917 χ²/NDF: 44.4/52



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

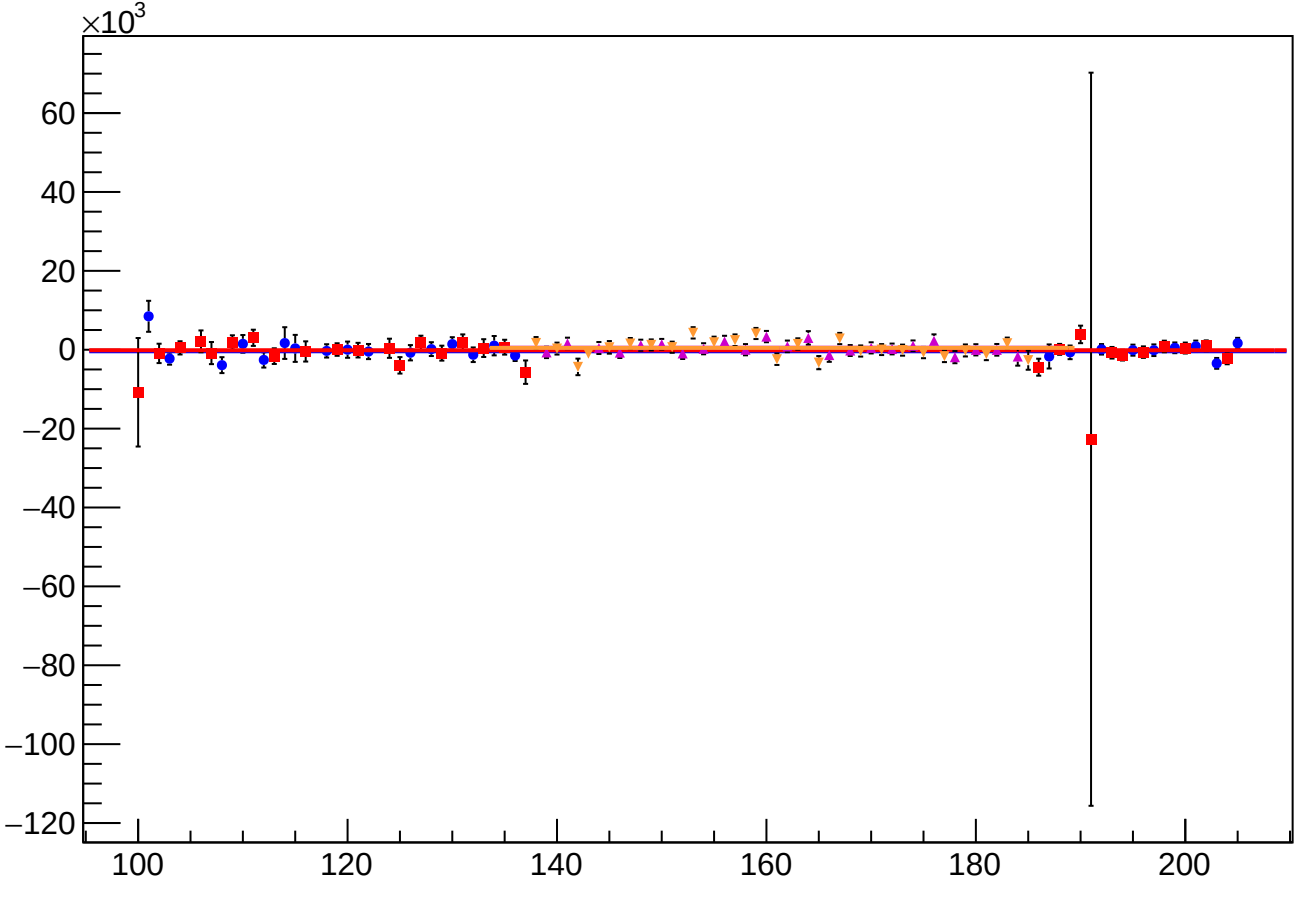
Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10

\- sign 3943.300+/-0.499 χ^2/NDF: 4277993.1/52



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.590+/-339.394 χ^2/NDF: 27.3/29

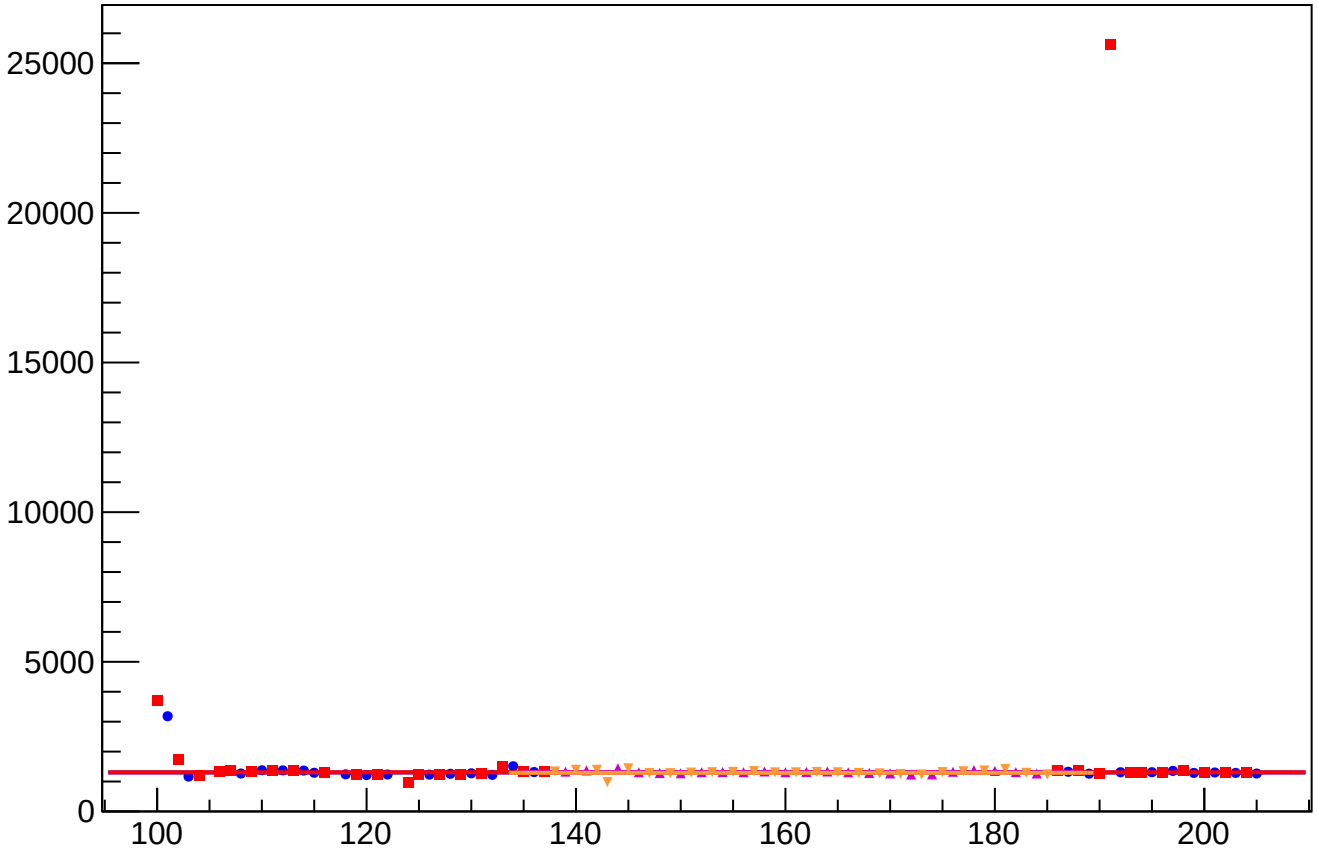
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 111.489+/-225.270 χ^2/NDF: 70.8/49

All: 165.128+/-160.141 χ^2/NDF: 117.5/102

- sign 219.929+/-227.698 χ^2/NDF: 46.6/52

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

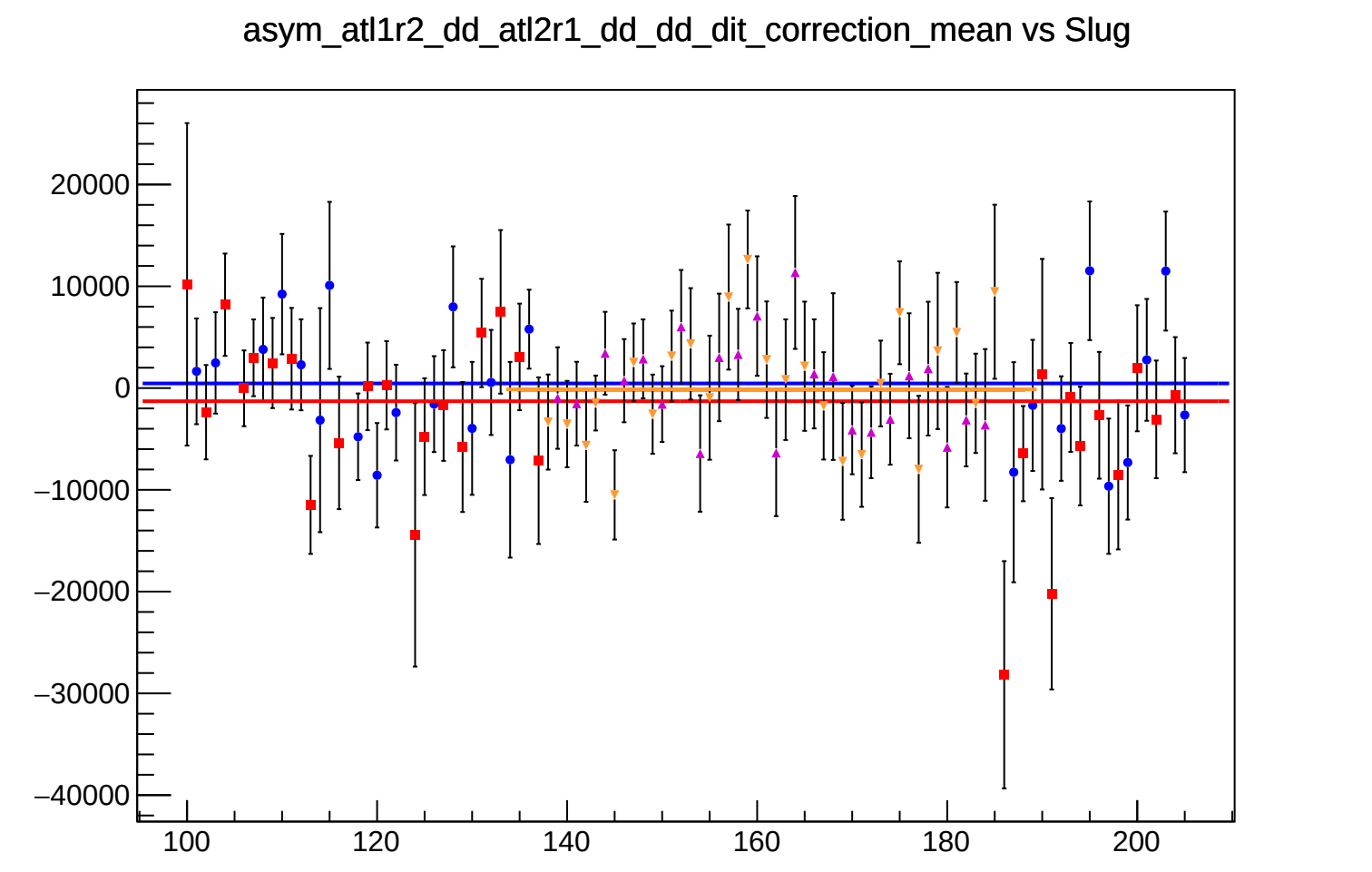
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.610+/-0.159 χ^2/NDF: 748130.2/49

All: 1303.346+/-0.113 χ^2/NDF: 1159839.3/10

- sign 1311.246+/-0.161 χ^2/NDF: 406942.6/52



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

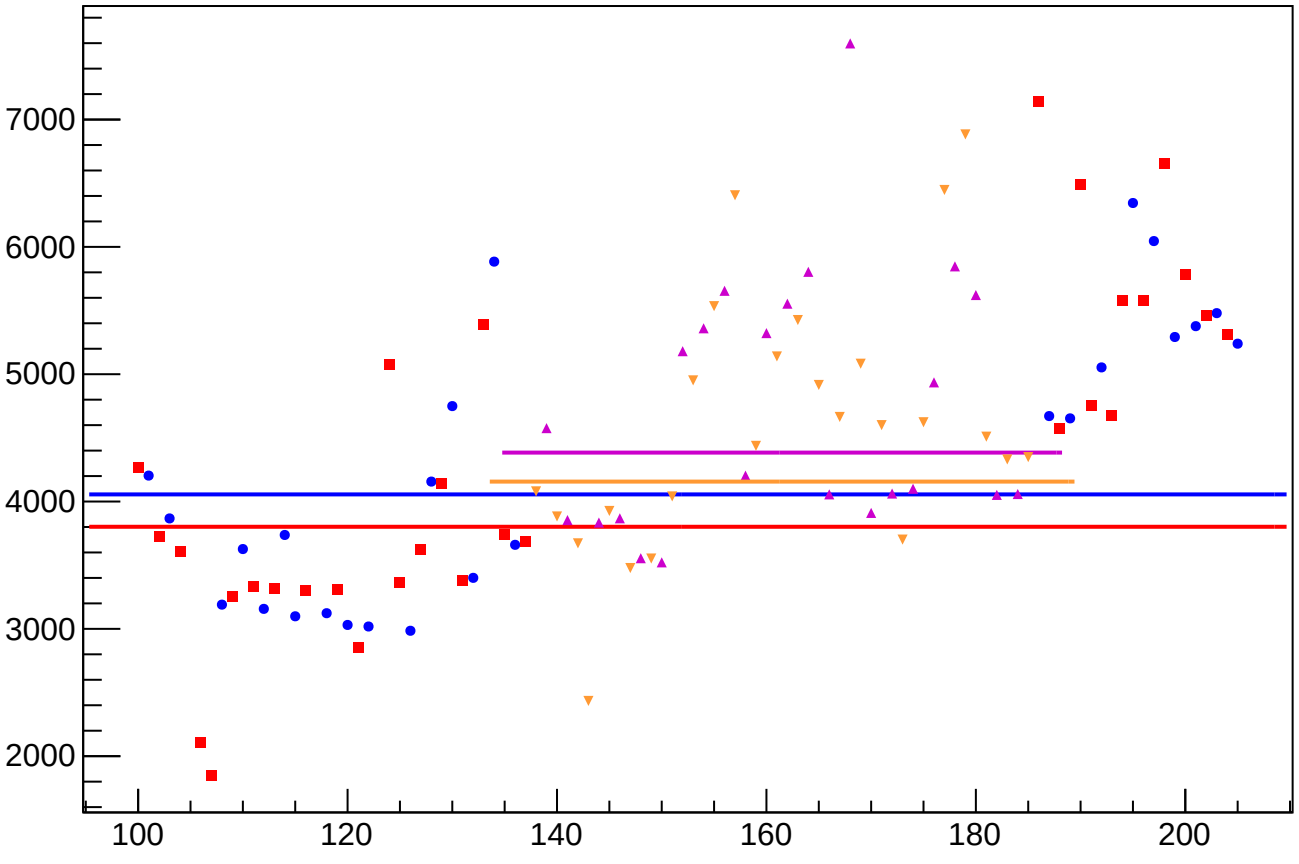
Right Out: -1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 125.641+/-735.194 χ^2/NDF: 55.3/49

All: -310.667+/-517.932 χ^2/NDF: 101.5/102

- sign -740.560+/-729.769 χ^2/NDF: 45.4/52



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

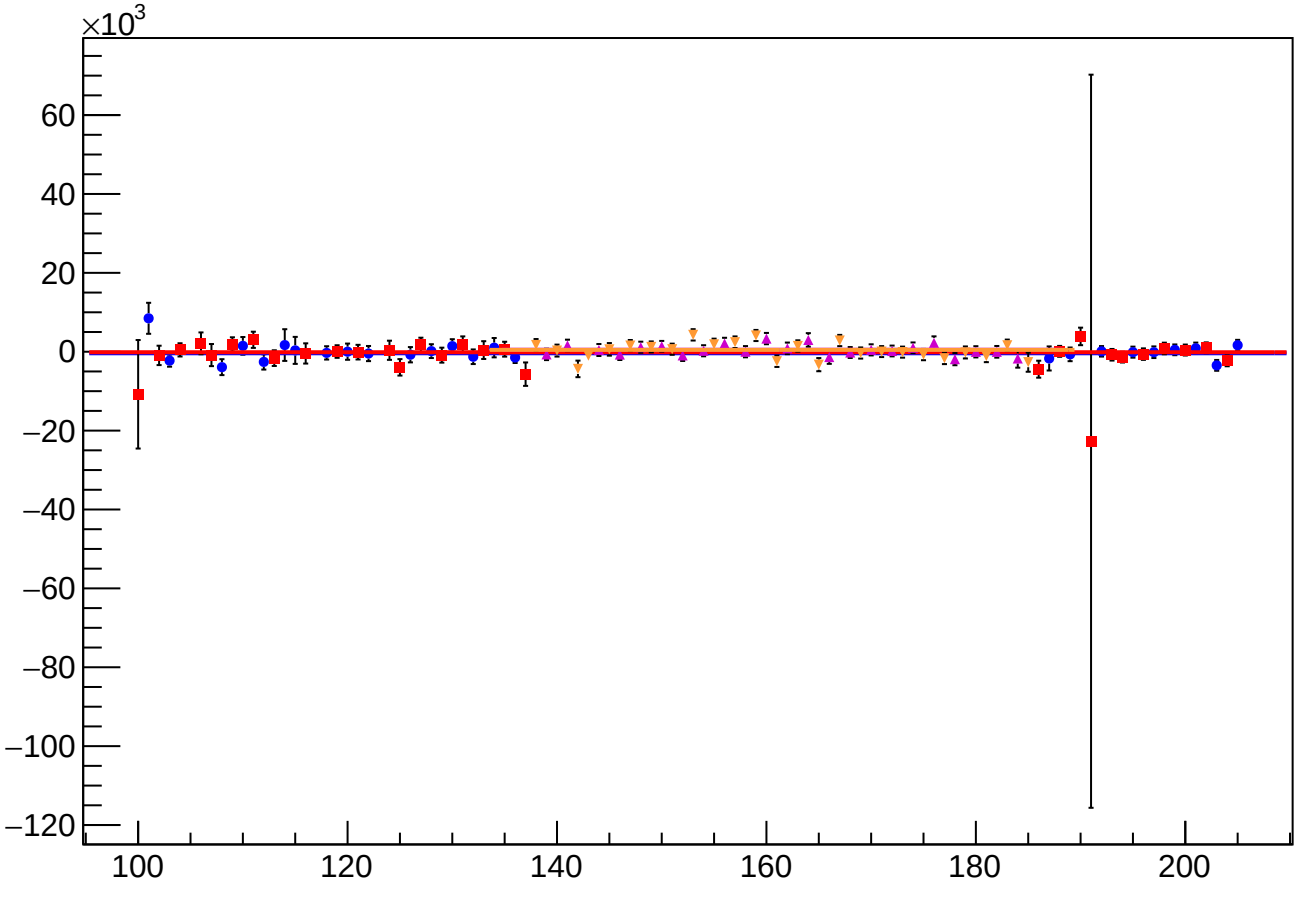
Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703740.2/49

All: 4099.168+/-0.366 χ^2/NDF: 8149348.0/10

- sign 4085.604+/-0.516 χ^2/NDF: 4444215.6/52



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -126.587+/-339.394 χ^2/NDF: 27.3/29

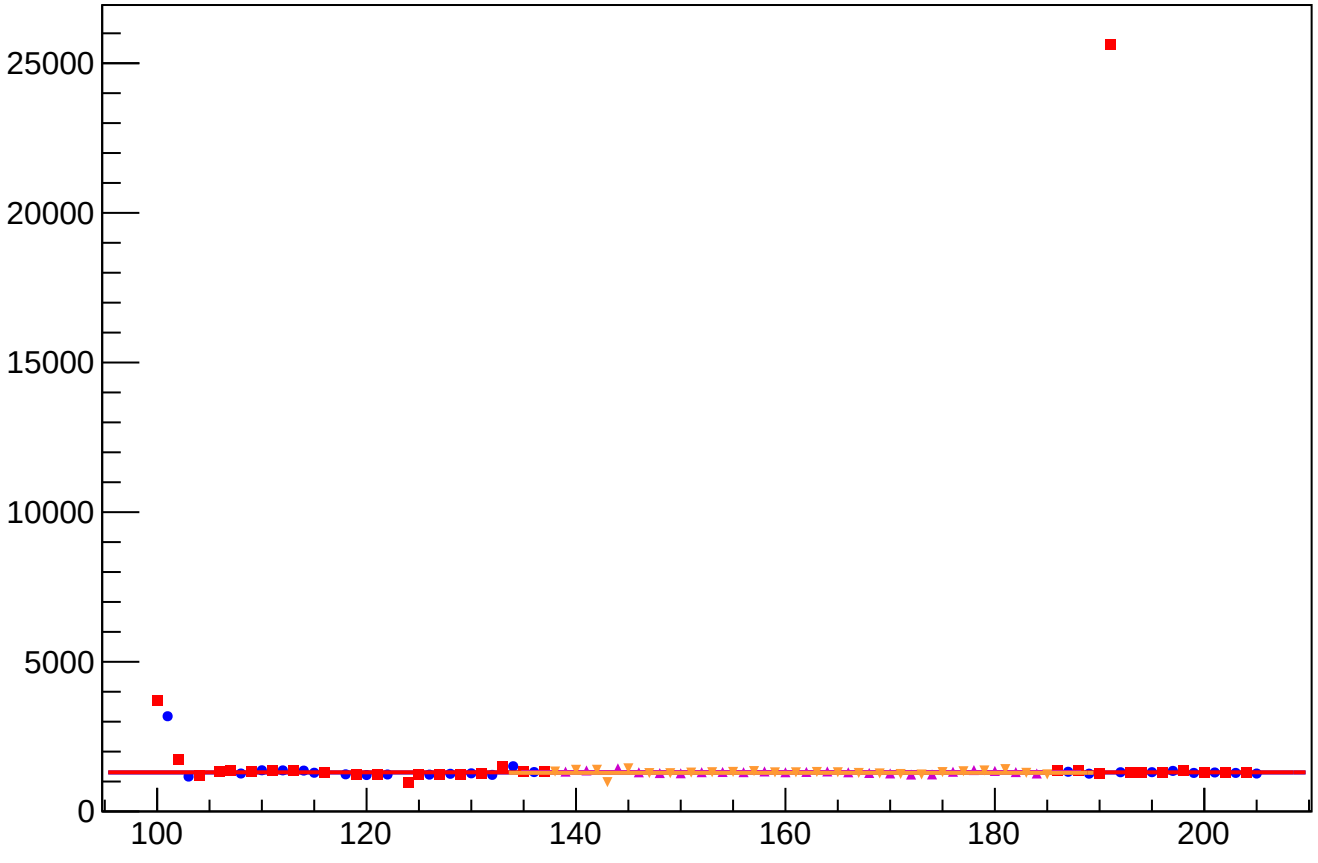
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 111.492+/-225.270 χ^2/NDF: 70.8/49

All: 165.129+/-160.141 χ^2/NDF: 117.5/102

- sign 219.930+/-227.698 χ^2/NDF: 46.6/52

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

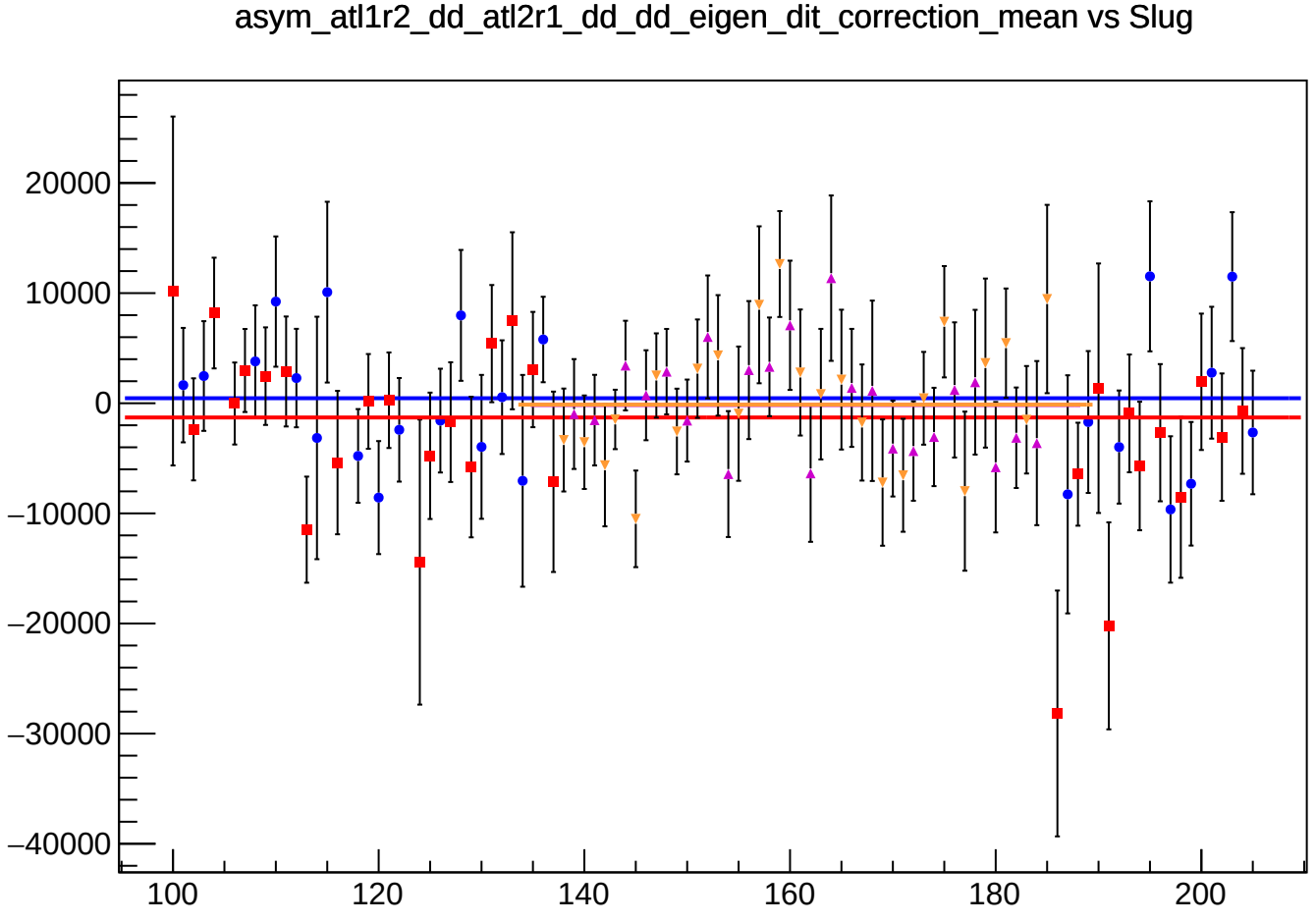
Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.611+/-0.159 χ^2/NDF: 748132.7/49

All: 1303.346+/-0.113 χ^2/NDF: 1159844.4/10

- sign 1311.247+/-0.161 χ^2/NDF: 406945.1/52



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

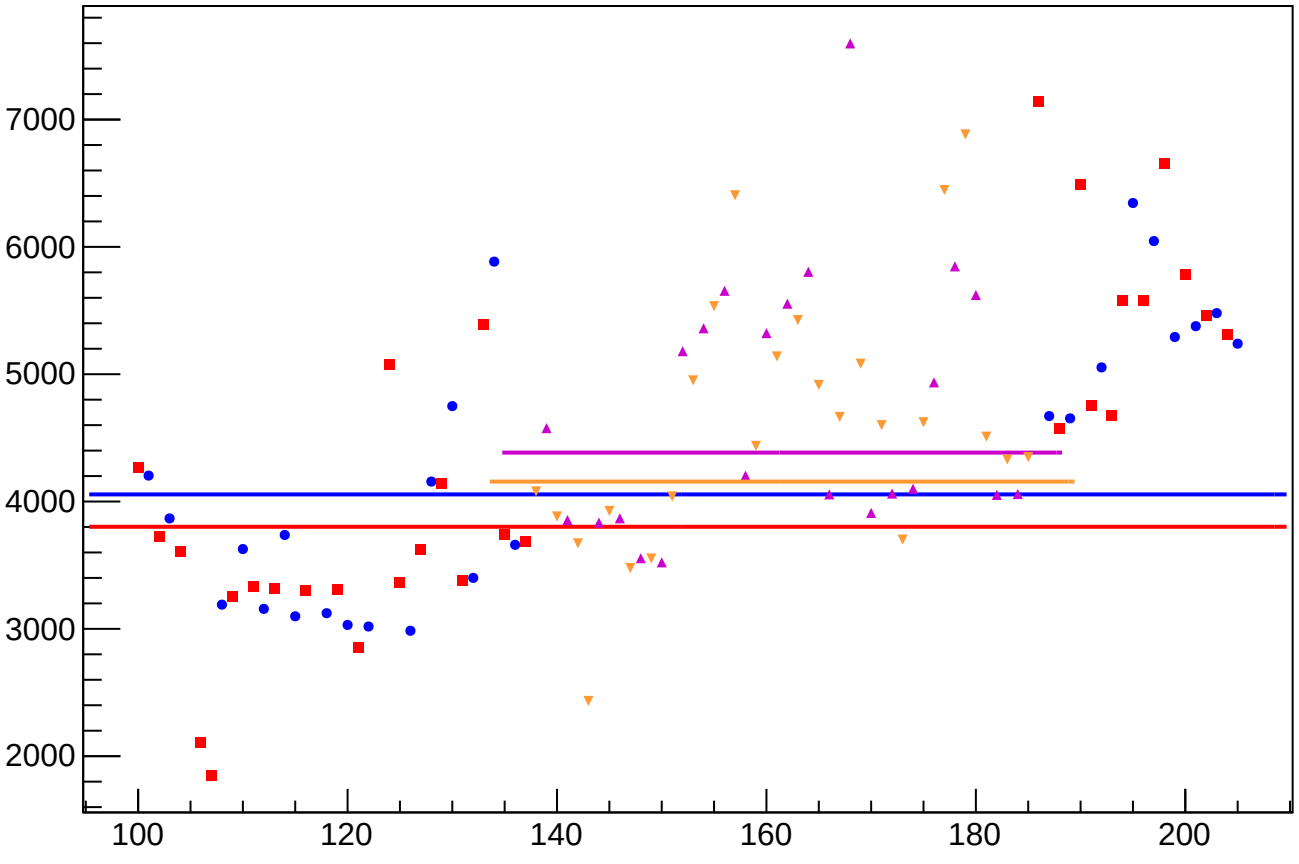
Right Out: -1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 125.640+/-735.194 χ^2/NDF: 55.3/49

All: -310.667+/-517.932 χ^2/NDF: 101.5/102

- sign -740.559+/-729.769 χ^2/NDF: 45.4/52



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

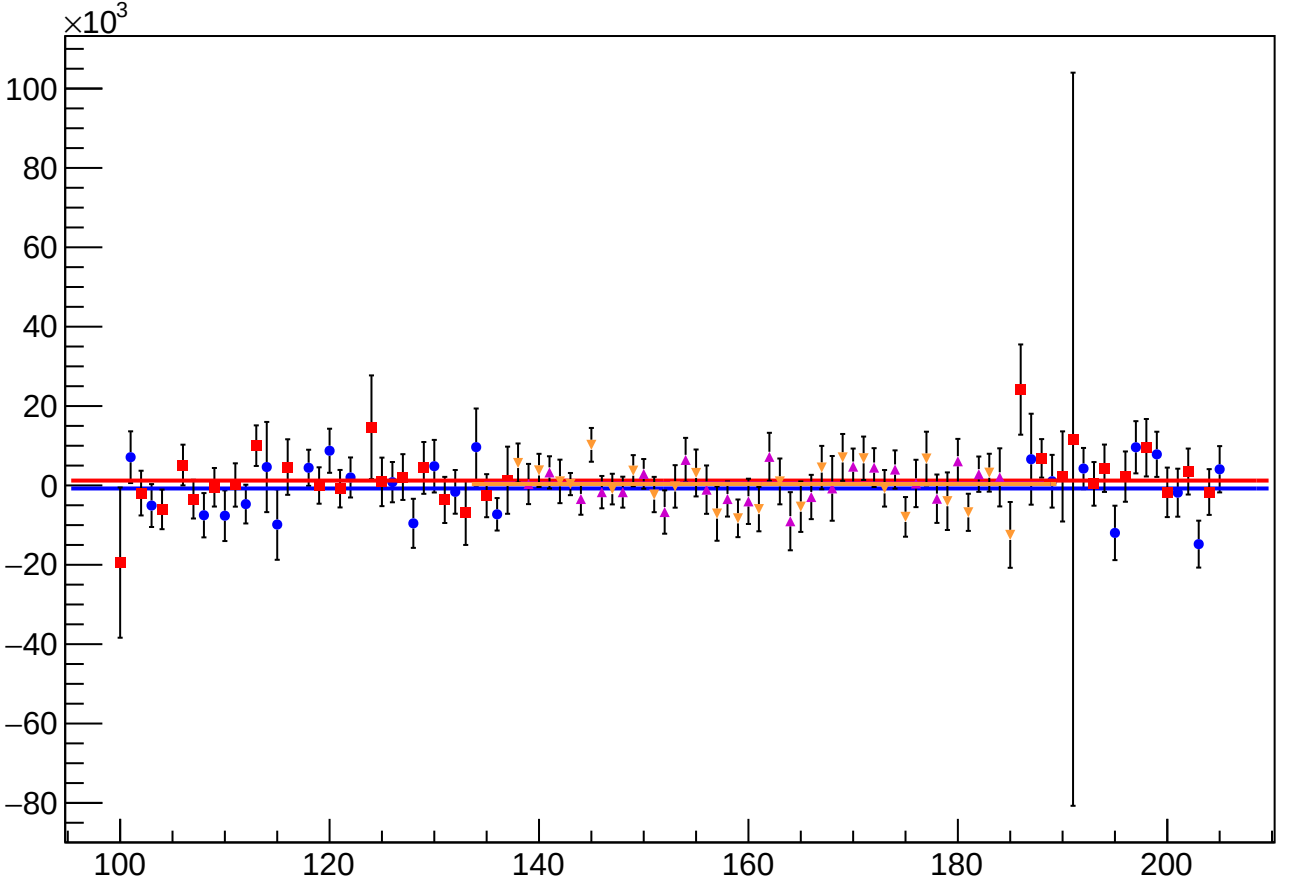
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703771.8/49

All: 4099.168+/-0.366 χ^2/NDF: 8149423.2/10

- sign 4085.603+/-0.516 χ^2/NDF: 4444259.0/52

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1221.385+/-1111.844 χ^2/NDF: 19.9/29

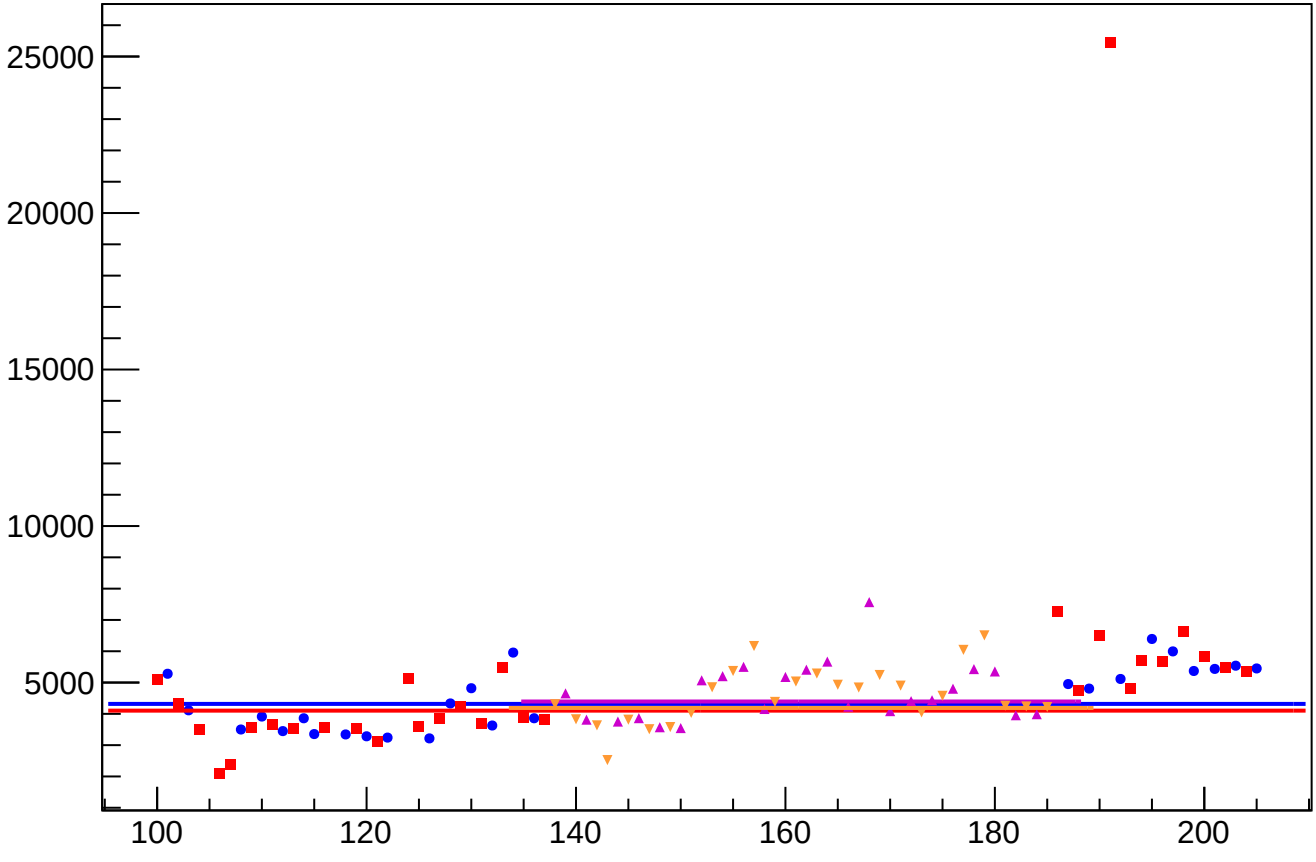
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -98.924+/-754.347 χ^2/NDF: 61.1/49

All: 364.685+/-535.862 χ^2/NDF: 95.9/102

- sign 836.940+/-761.348 χ^2/NDF: 34.0/52

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

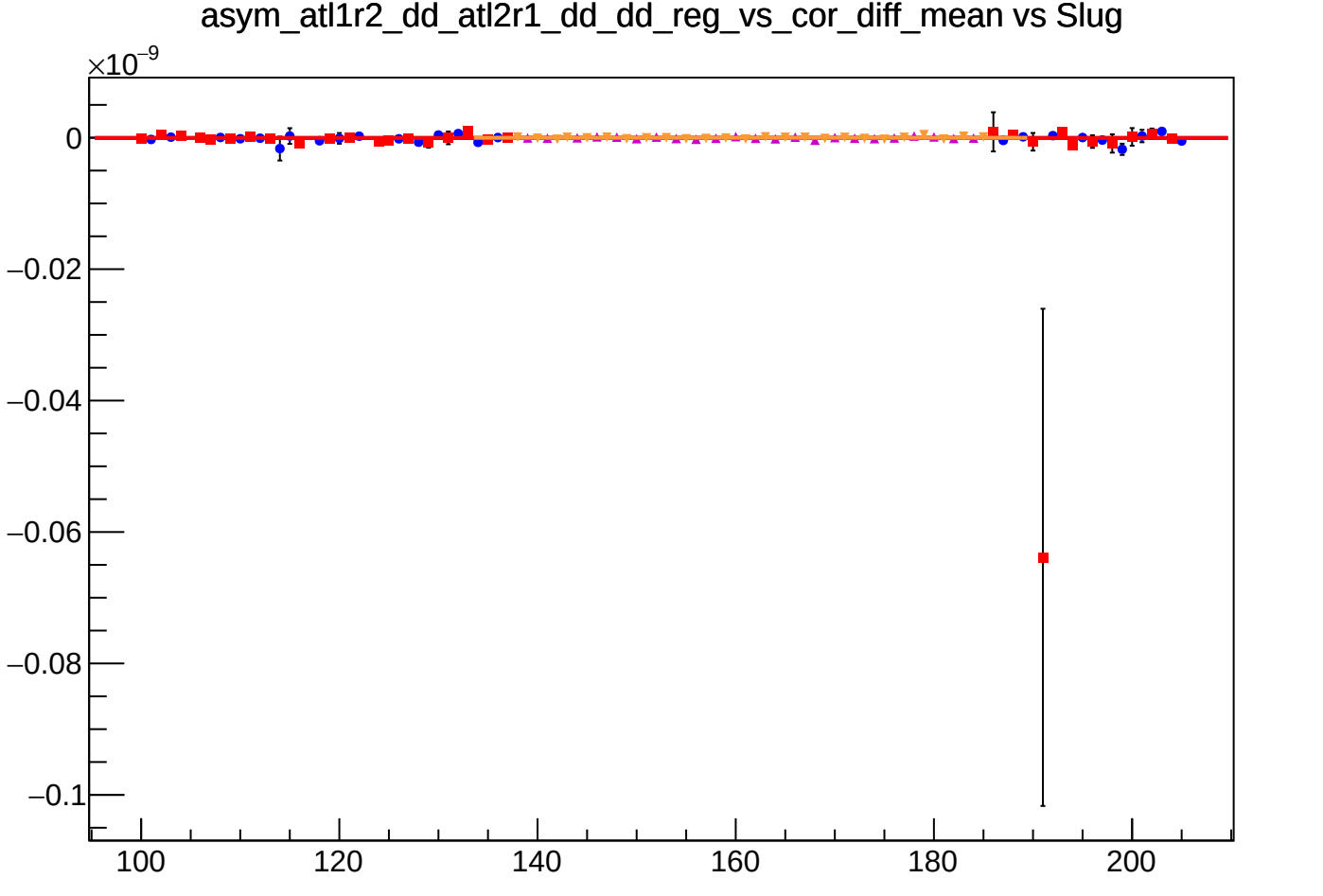
Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4240.765+/-0.533 χ^2/NDF: 3144285.8/49

All: 4248.460+/-0.378 χ^2/NDF: 6623280.0/10

- sign 4256.230+/-0.536 χ^2/NDF: 3478576.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

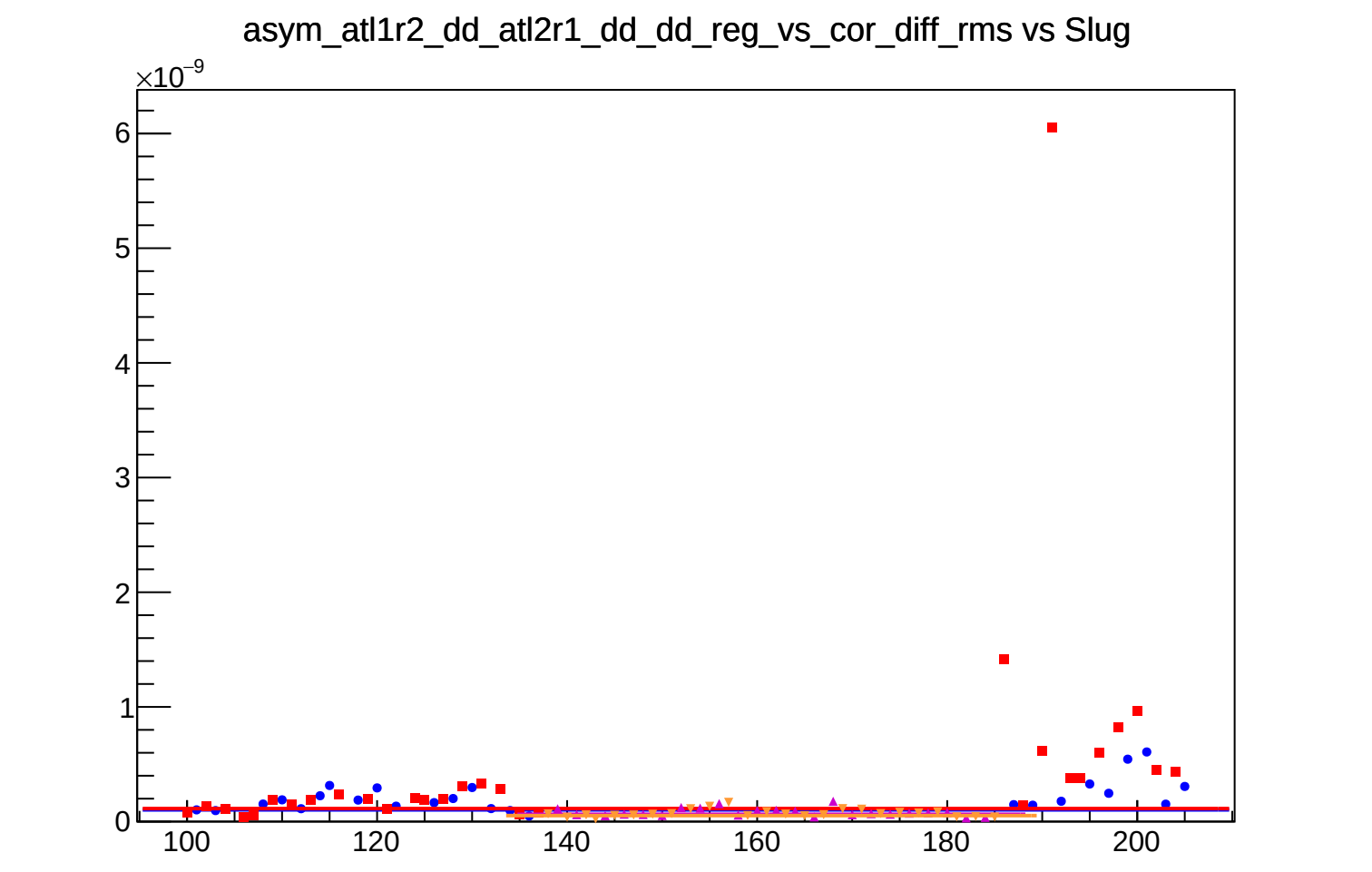
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/49

All: -0.000+/-0.000 χ^2/NDF: 103.7/102

- sign -0.000+/-0.000 χ^2/NDF: 44.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 3407071.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

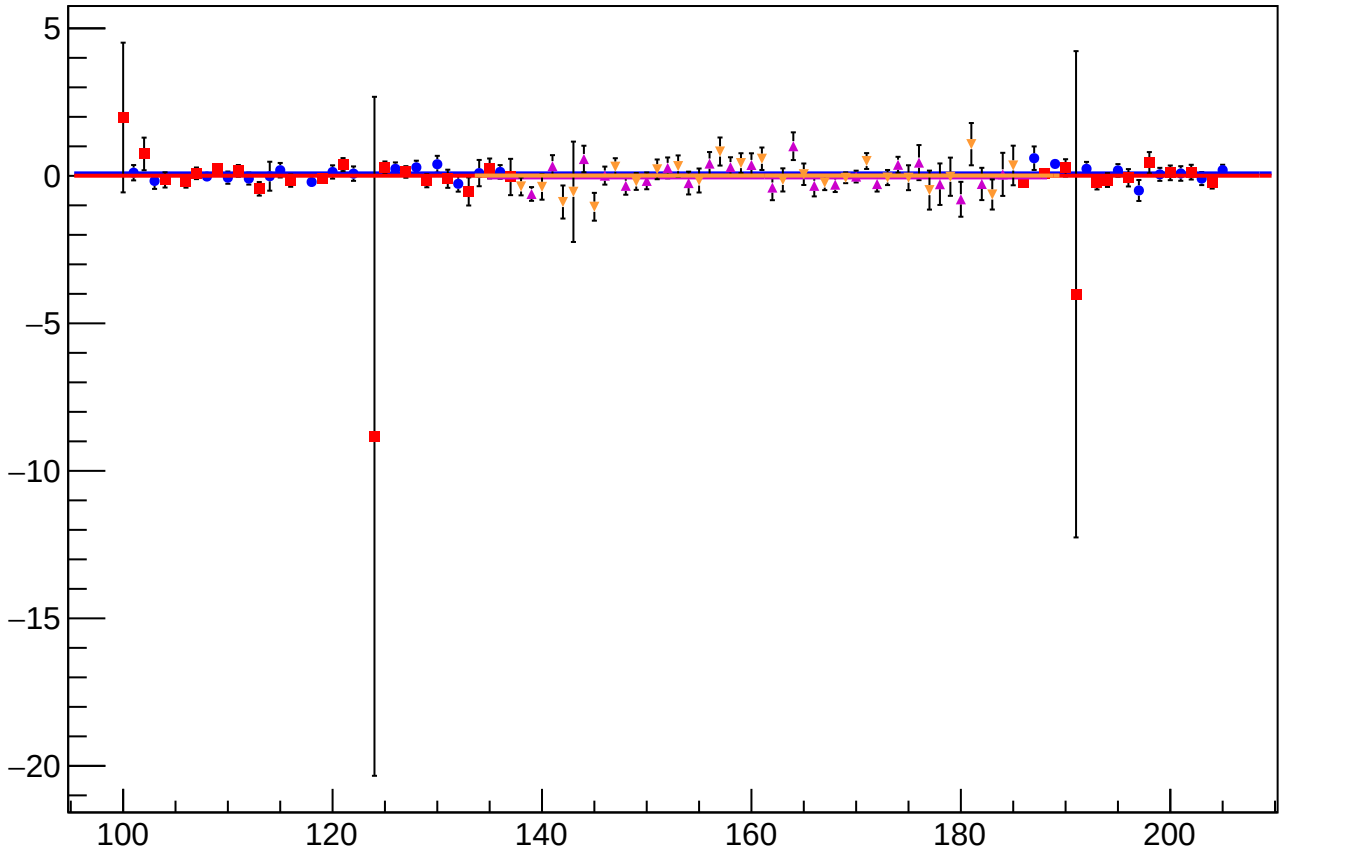
Right Out: 0.000+/-0.000 χ^2/NDF: 5888584.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7413879.7/49

All: 0.000+/-0.000 χ^2/NDF: 16501952.0/102

- sign 0.000+/-0.000 χ^2/NDF: 8809825.6/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

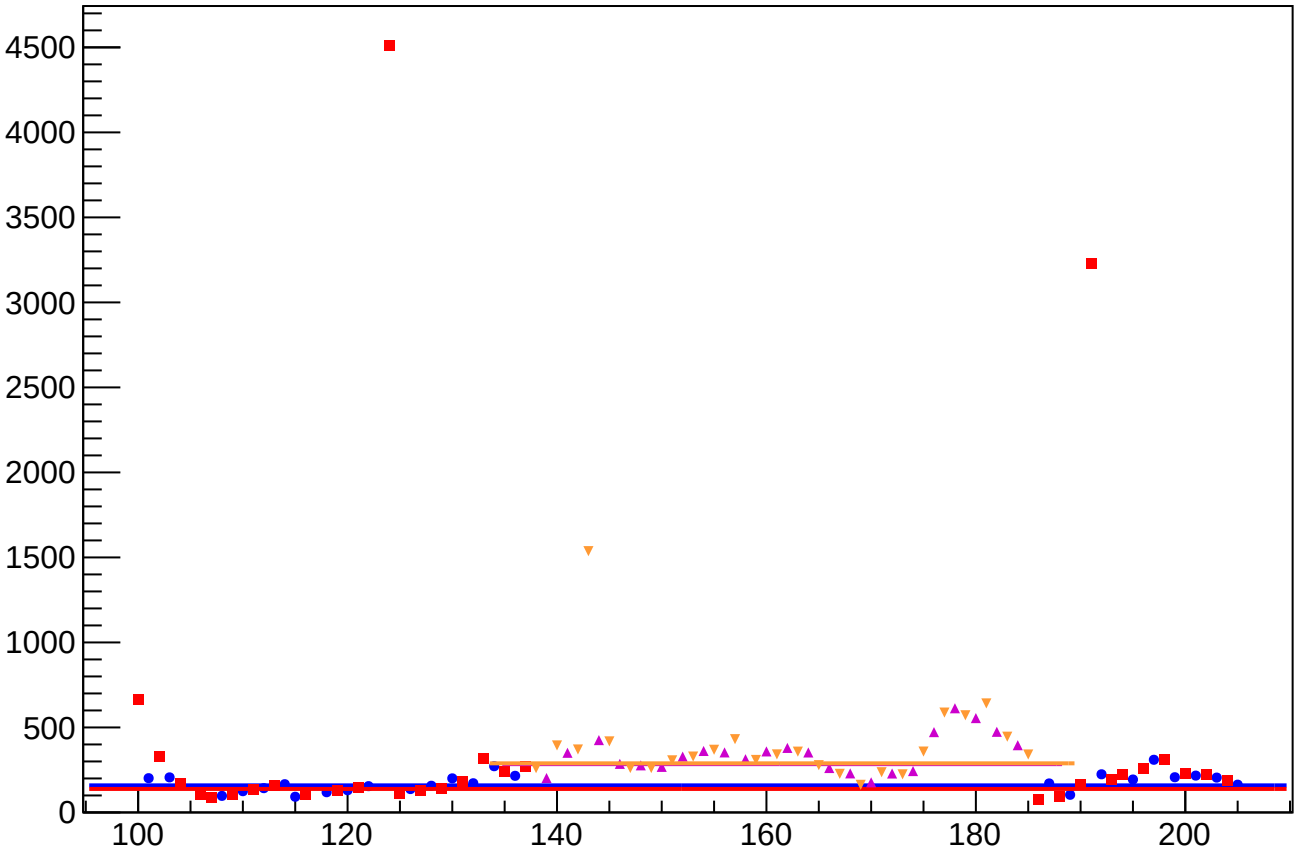
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

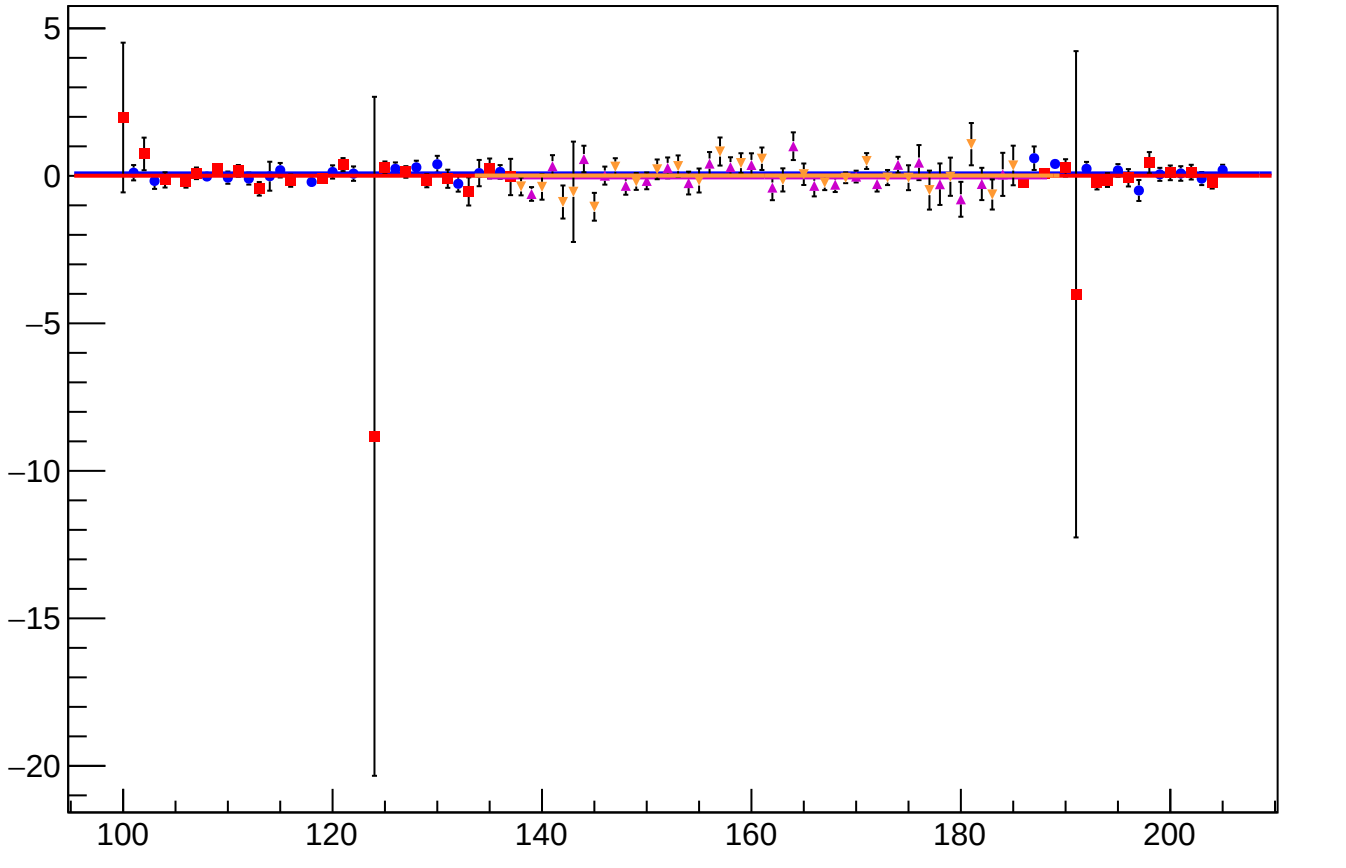
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

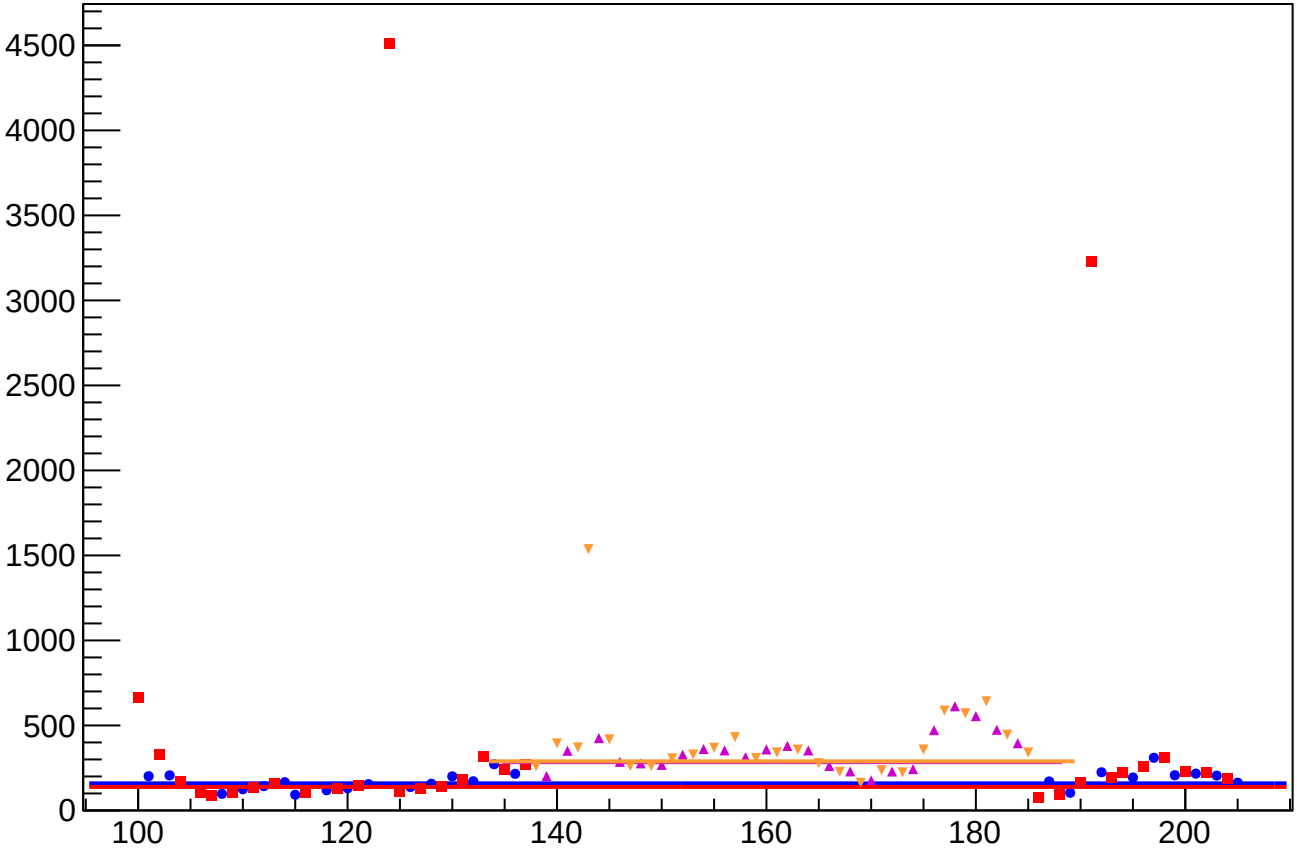
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

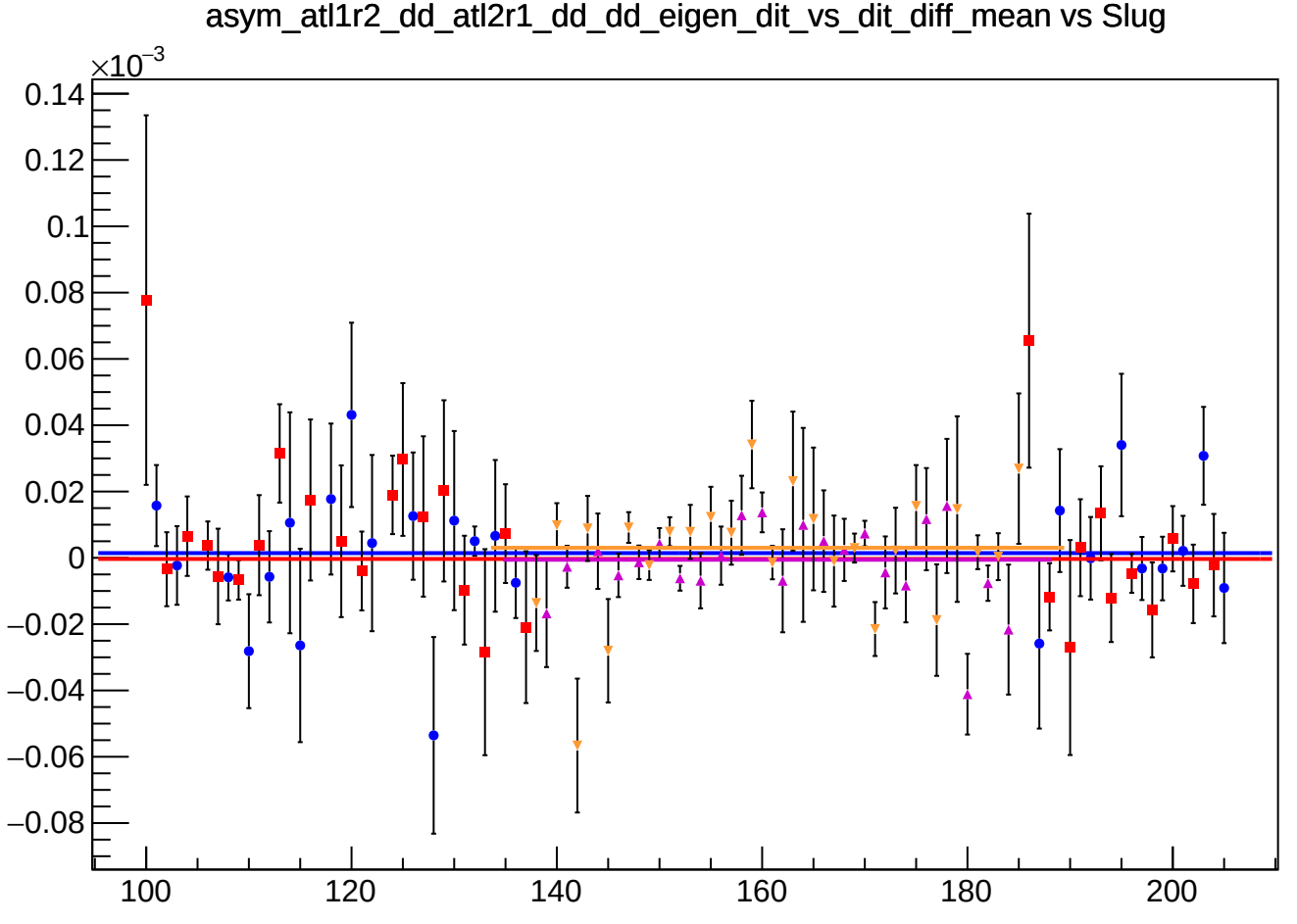
Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

- sign 174.036+/-0.025 χ^2/NDF: 14216363.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

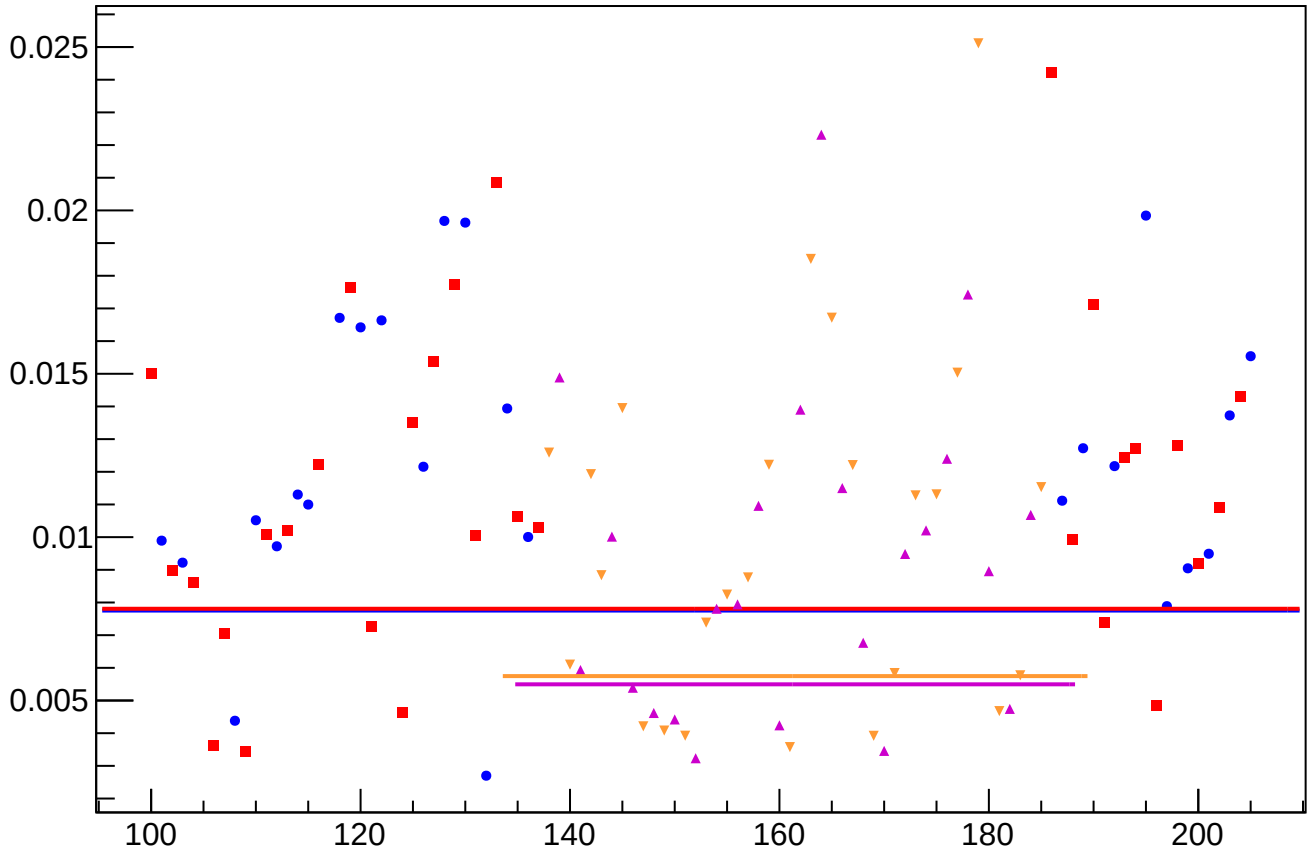
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/49

All: 0.000+/-0.000 χ^2/NDF: 128.2/102

- sign -0.000+/-0.000 χ^2/NDF: 59.1/52



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

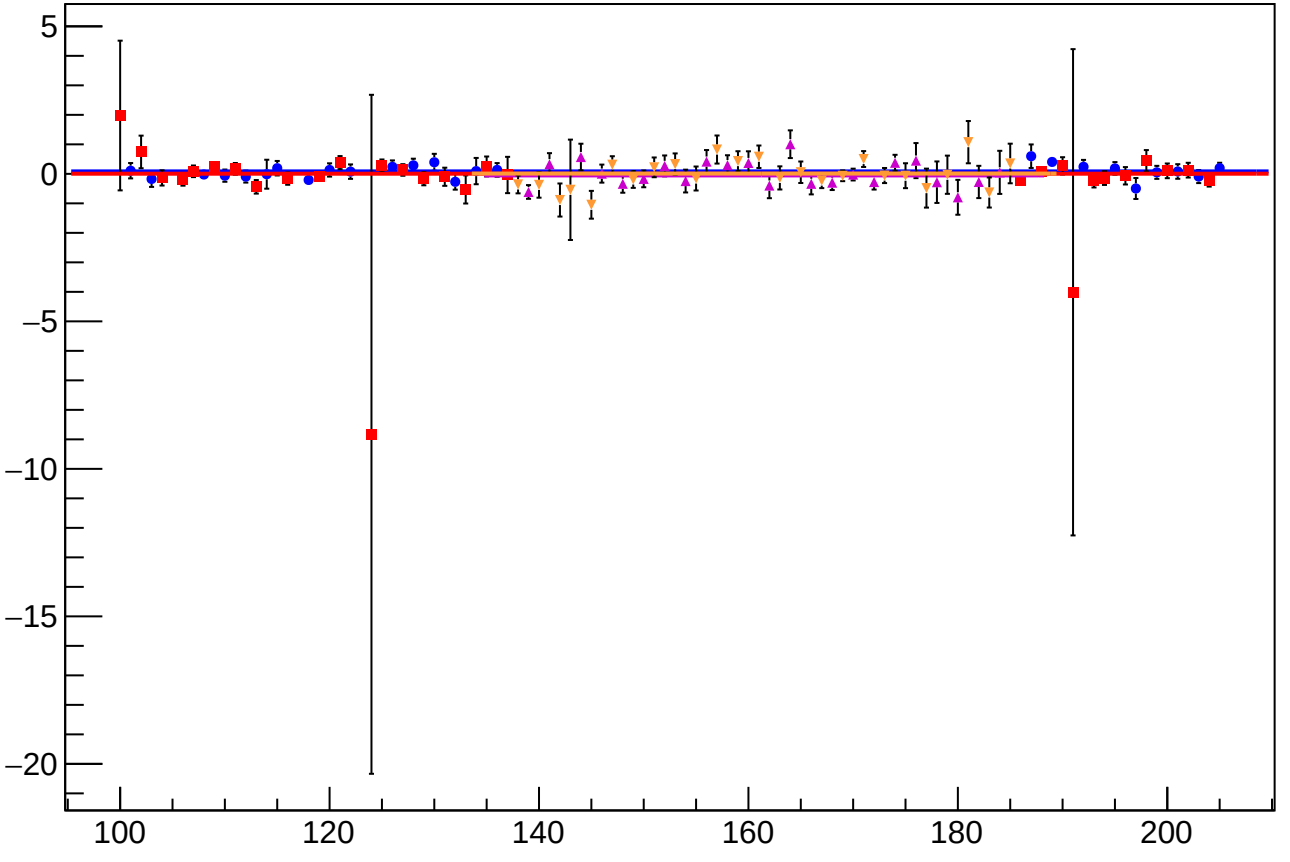
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 16109152.1/49

All: 0.006+/-0.000 χ^2/NDF: 30431873.0/102

- sign 0.006+/-0.000 χ^2/NDF: 14315679.1/52

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

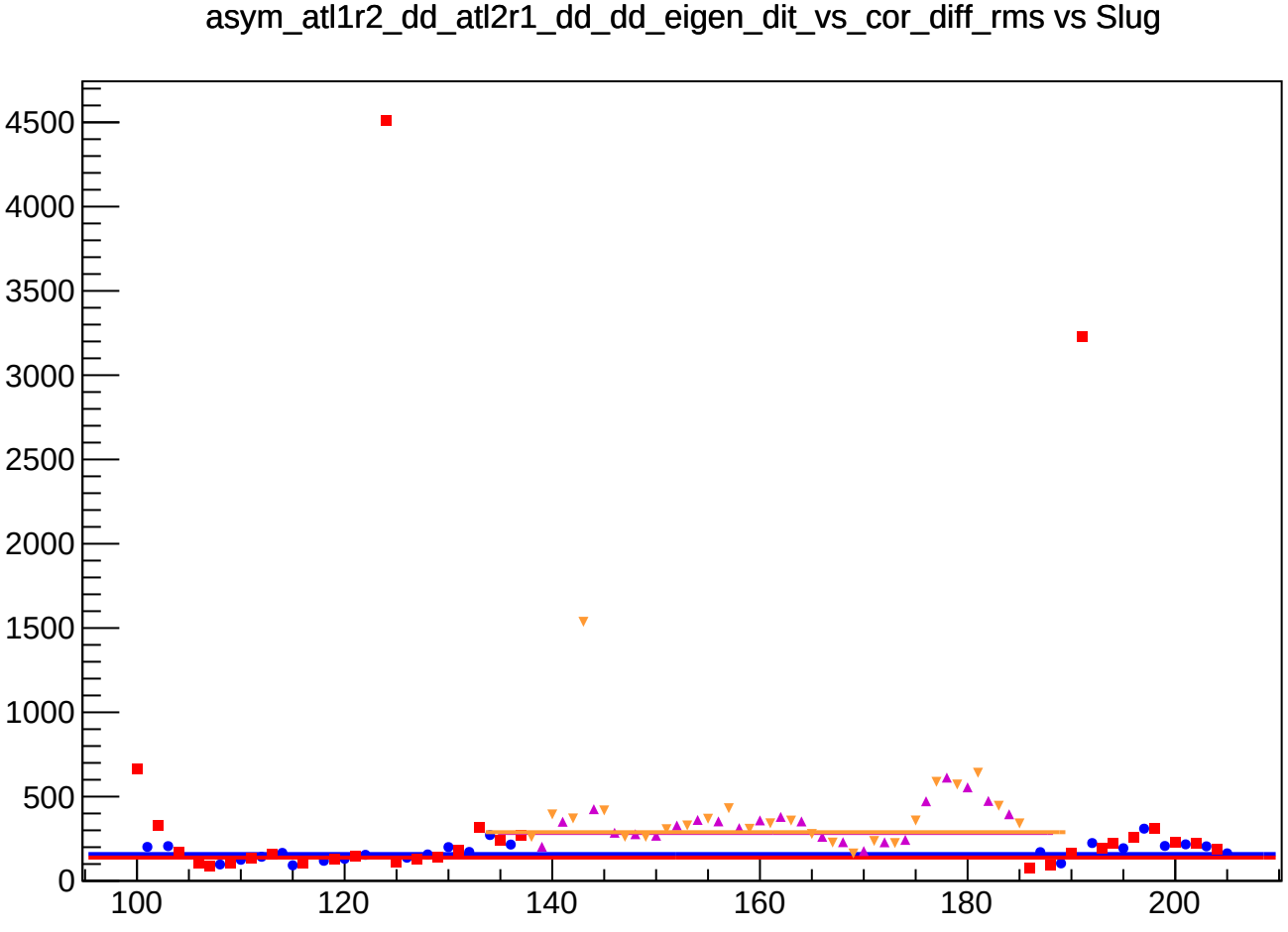
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

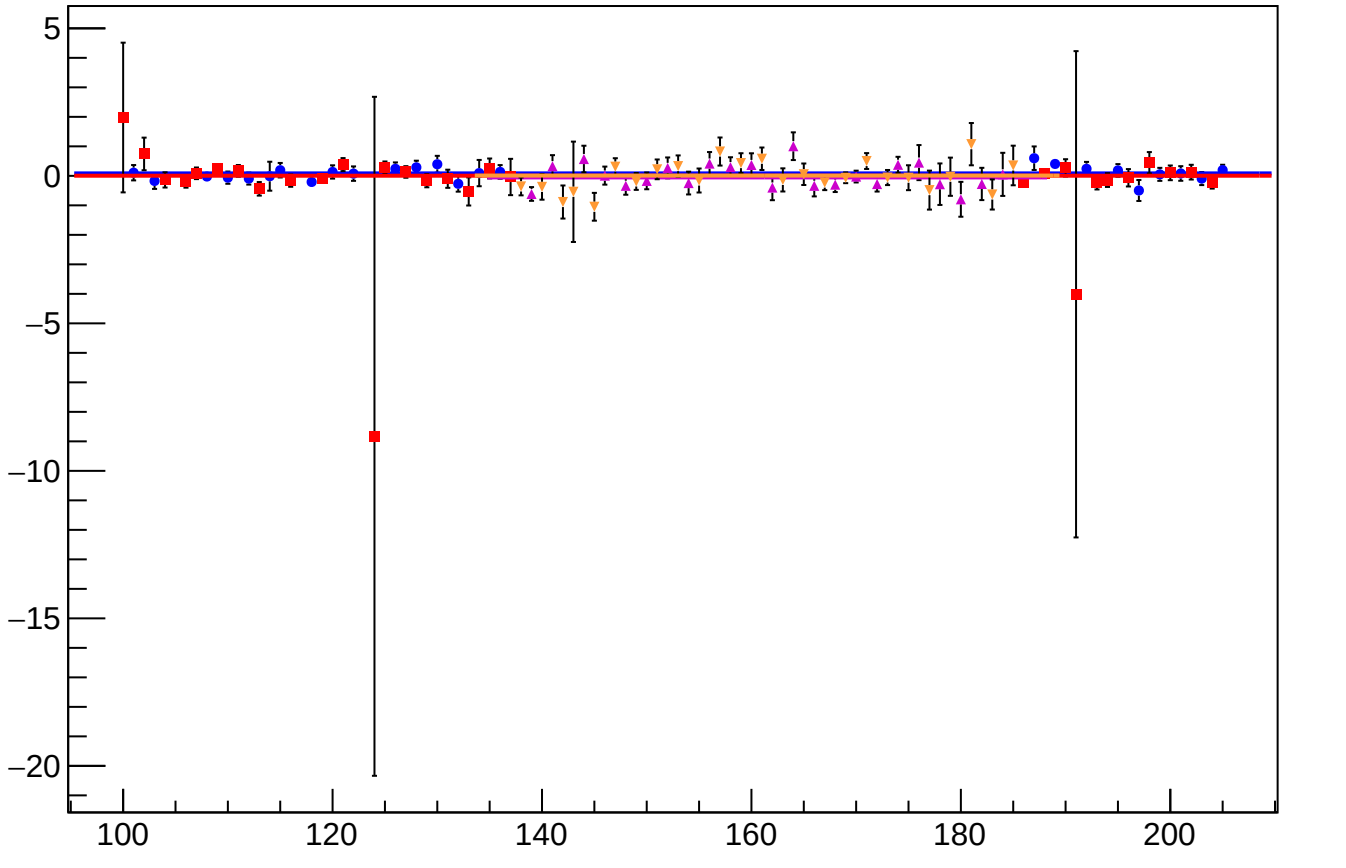
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

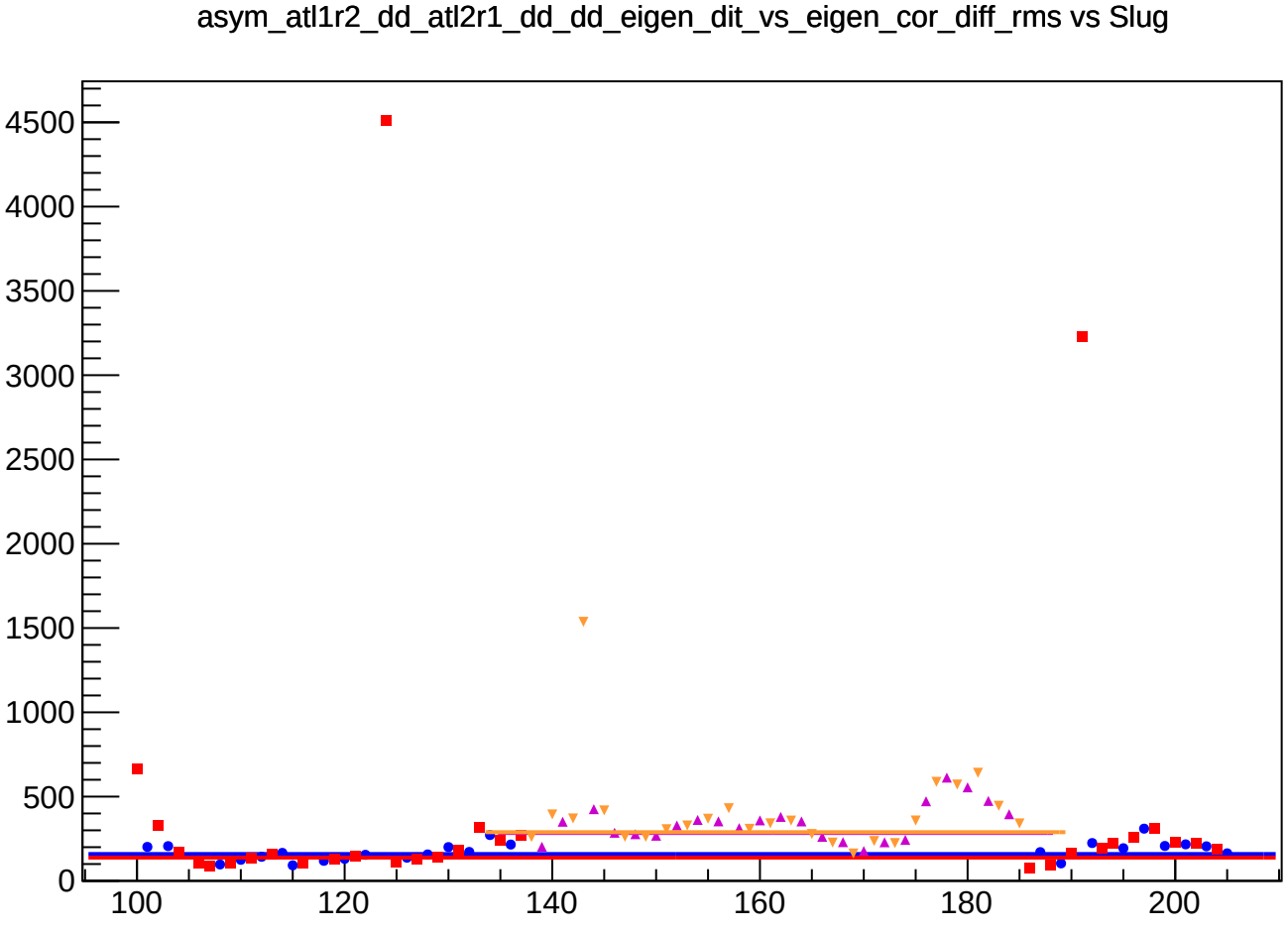
Right Out: 0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.023+/-0.026 χ^2/NDF: 111.3/102

- sign -0.010+/-0.035 χ^2/NDF: 58.9/52



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

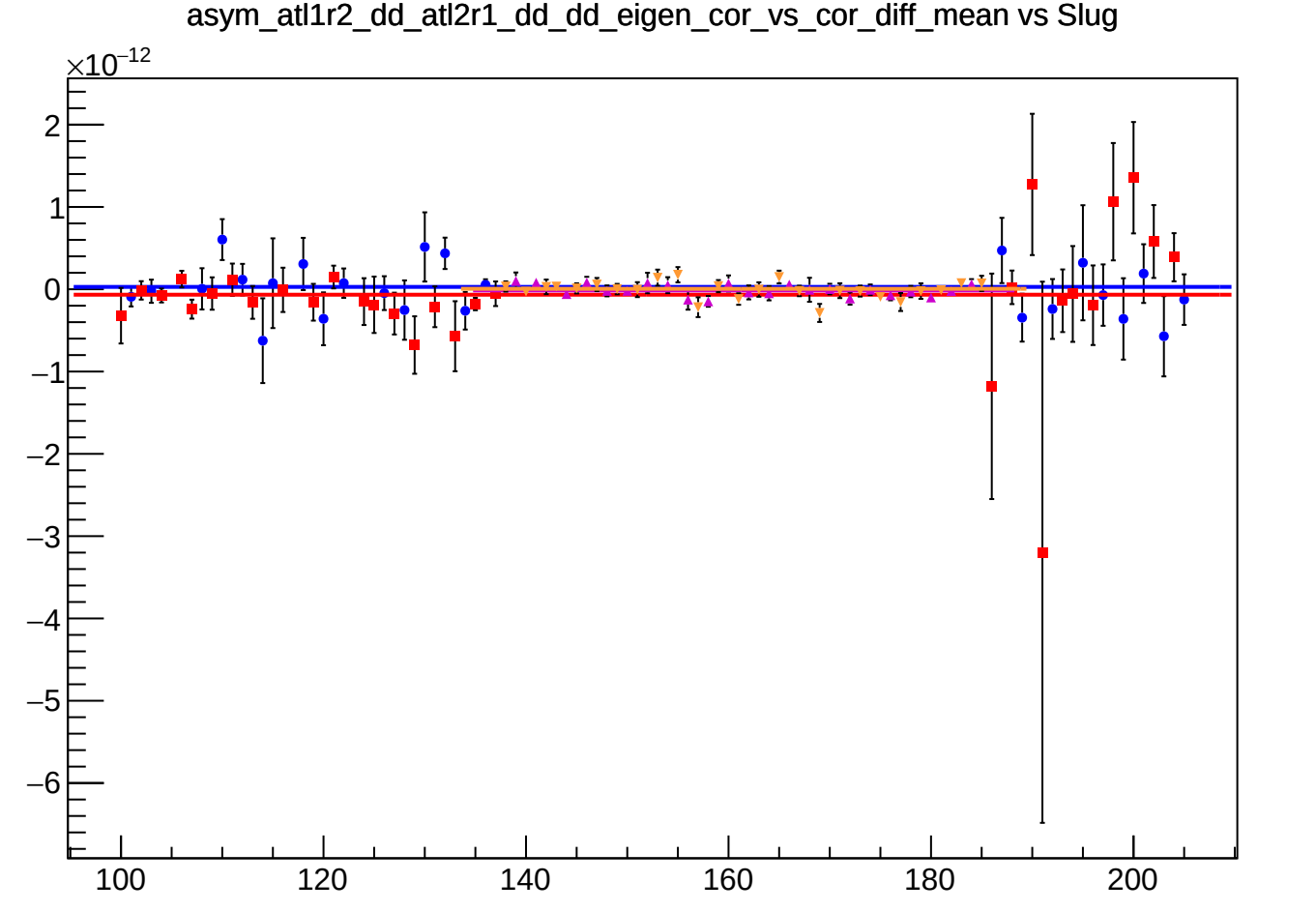
Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

- sign 174.038+/-0.025 χ^2/NDF: 14216176.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

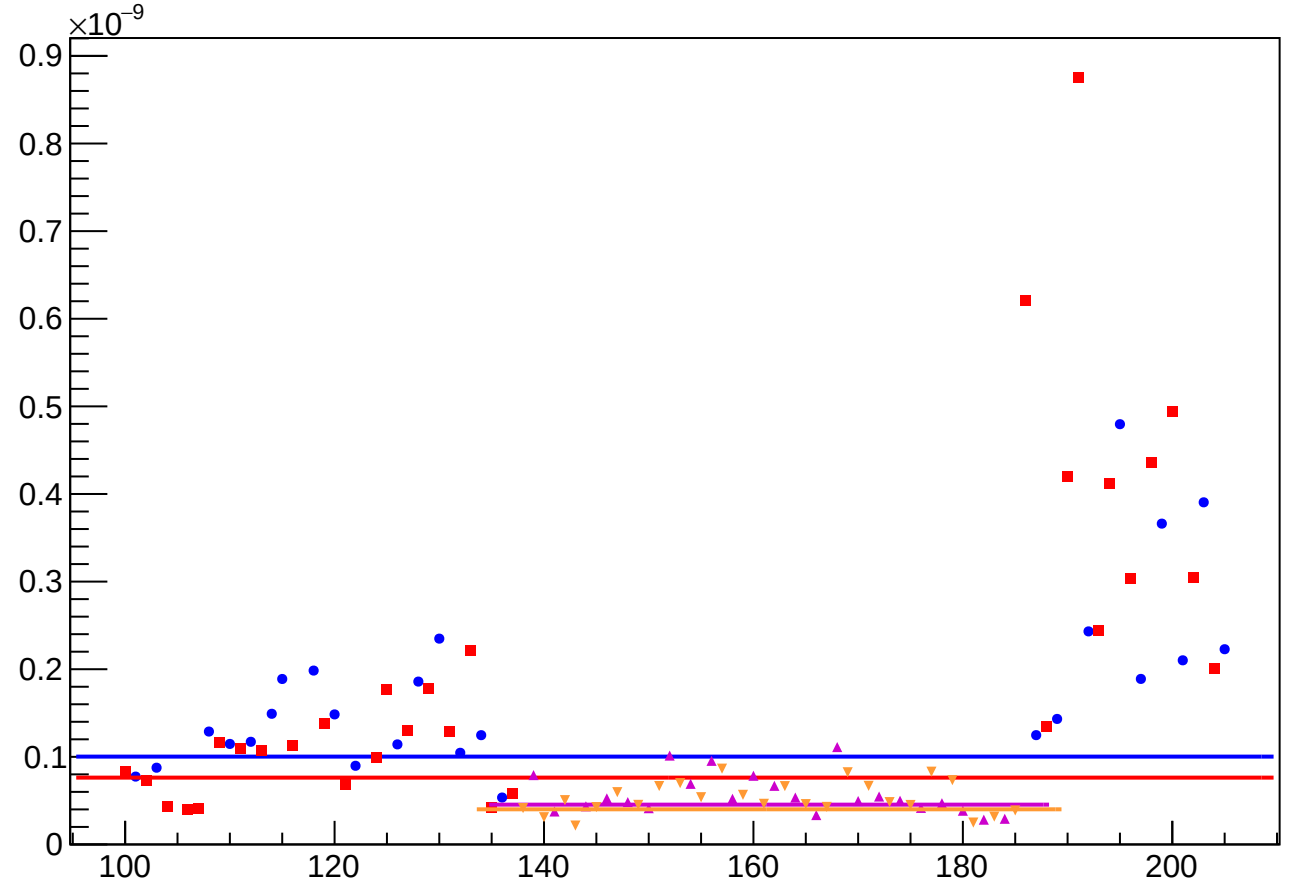
Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/49

All: -0.000+/-0.000 χ^2/NDF: 122.4/102

- sign -0.000+/-0.000 χ^2/NDF: 59.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

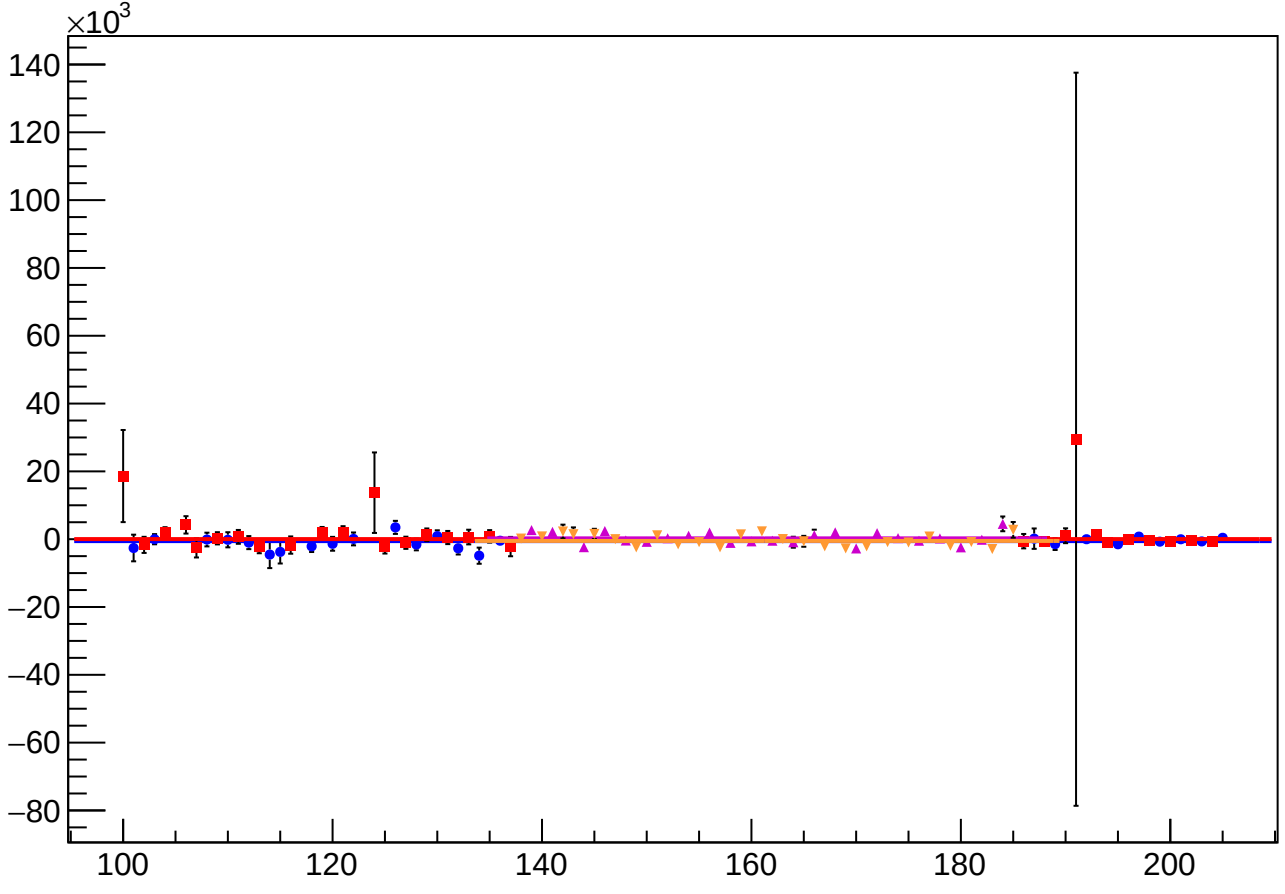
Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12283706.2/49

All: 0.000+/-0.000 χ^2/NDF: 23649097.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11213597.1/52



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 28.225+/-335.351 χ^2/NDF: 18.9/29

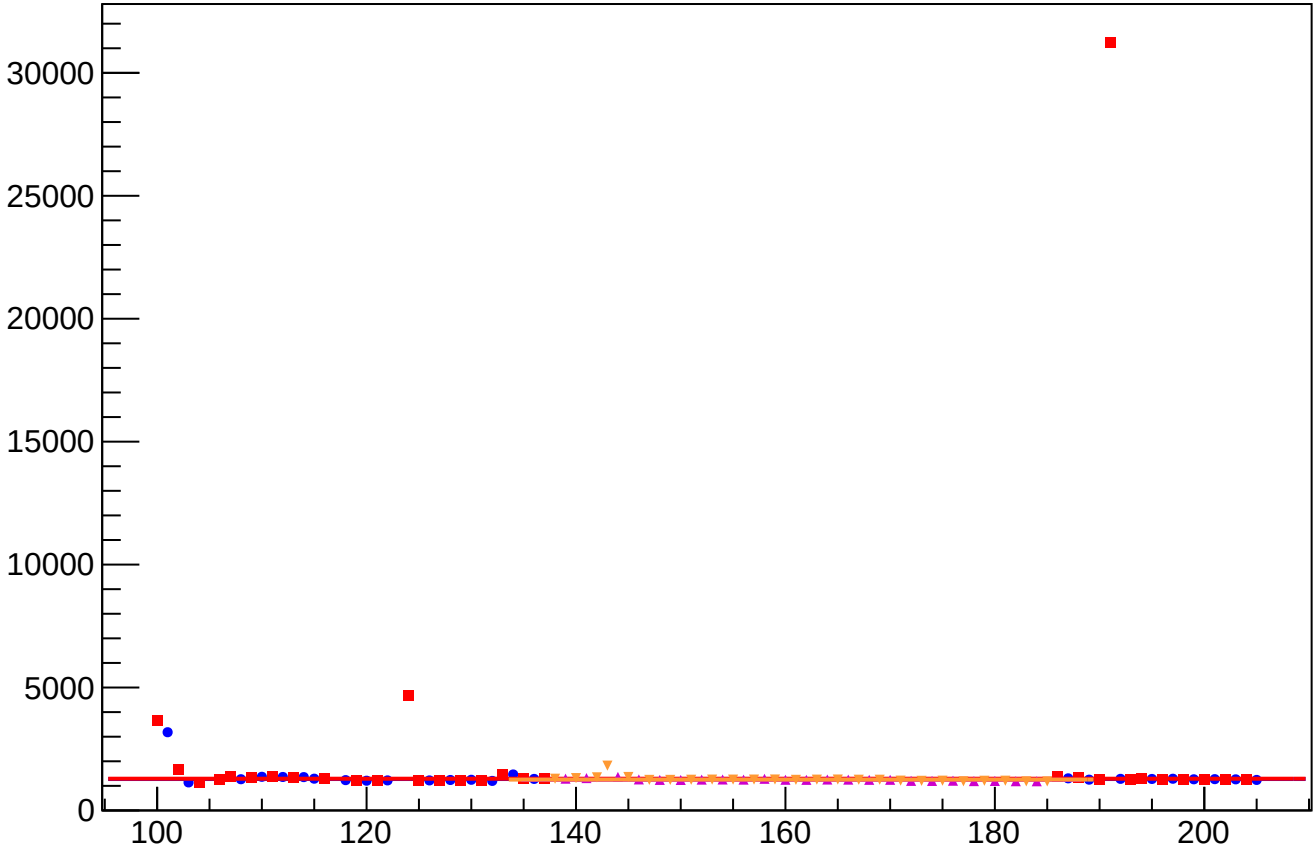
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -536.250+/-219.862 χ^2/NDF: 47.1/49

All: -192.869+/-155.465 χ^2/NDF: 103.2/102

- sign 150.505+/-219.859 χ^2/NDF: 51.2/52

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

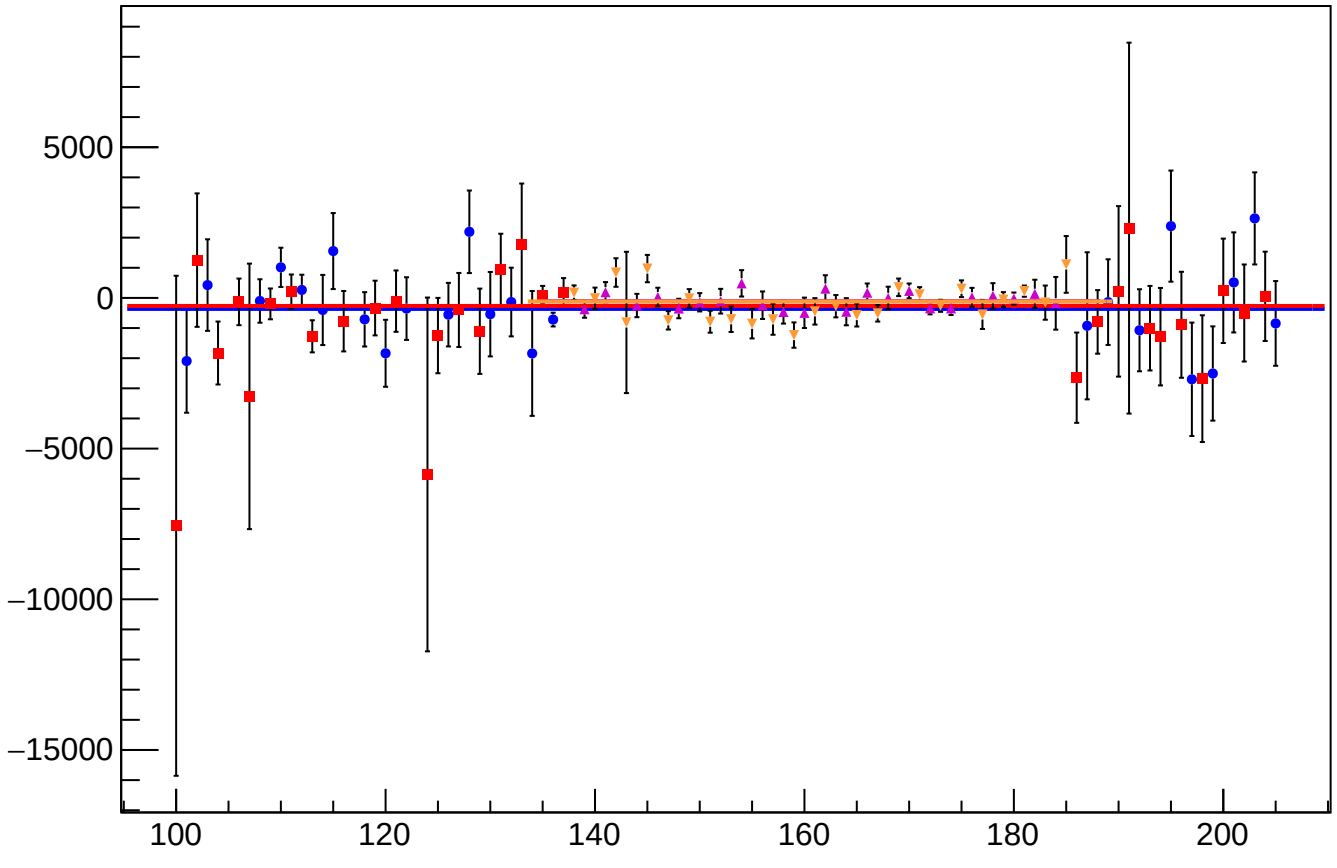
Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729750.9/49

All: 1265.272+/-0.110 χ^2/NDF: 1282173.5/10

- sign 1265.607+/-0.155 χ^2/NDF: 552413.3/52



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

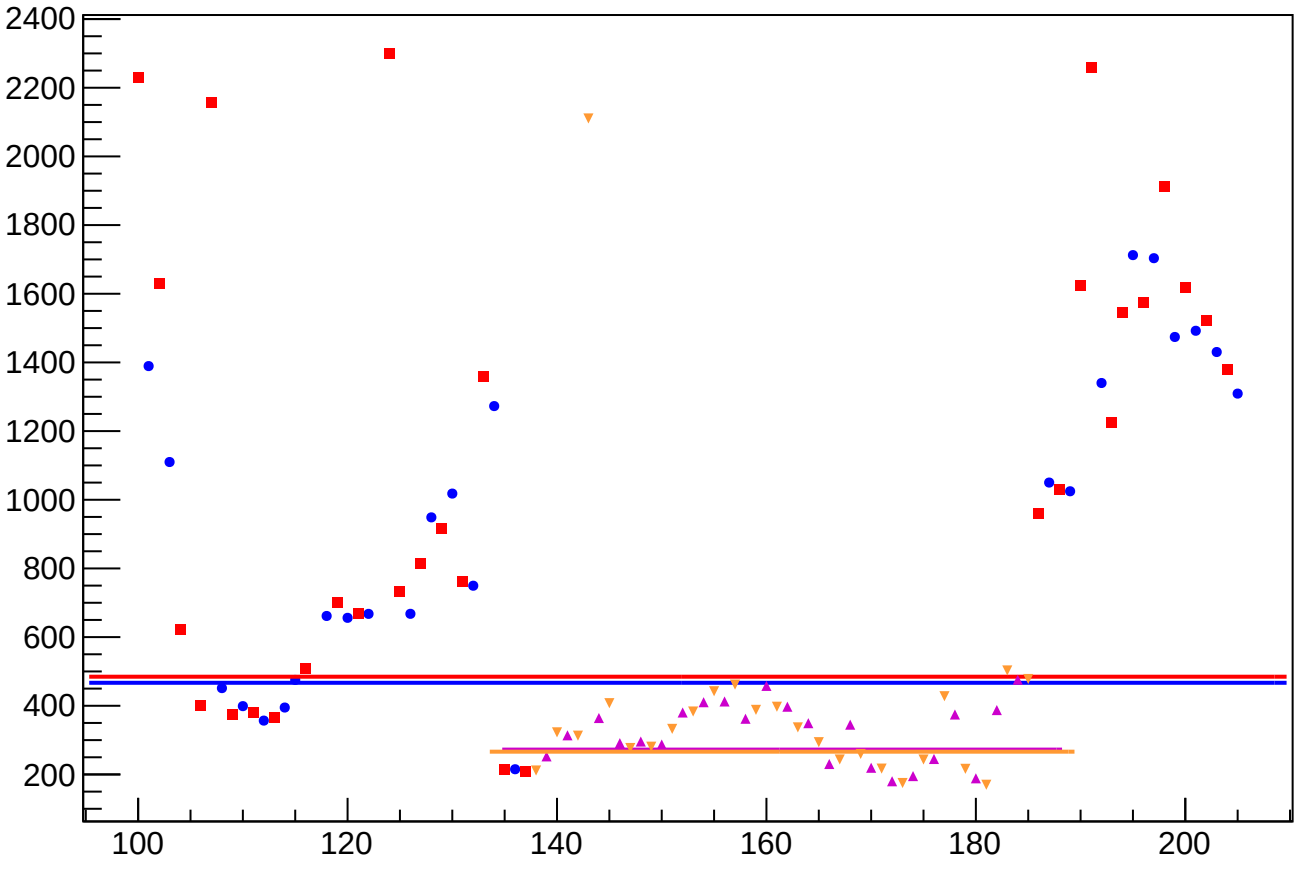
Right Out: -266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -151.991+/-60.293 χ^2/NDF: 78.9/49

All: -141.759+/-43.164 χ^2/NDF: 113.6/102

- sign -131.000+/-61.822 χ^2/NDF: 34.7/52



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

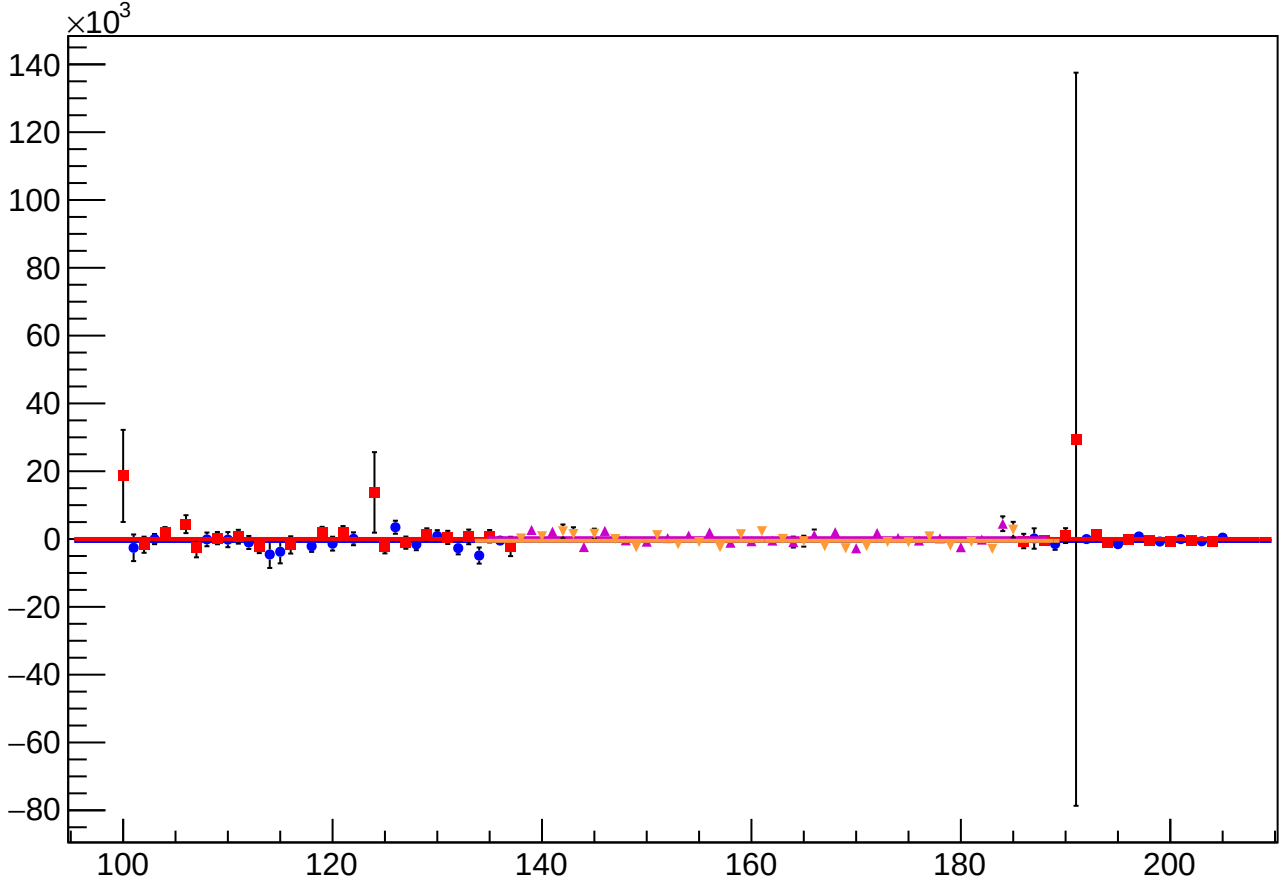
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 294.642+/-0.043 χ^2/NDF: 18205185.9/49

All: 299.165+/-0.031 χ^2/NDF: 35620579.1/10

- sign 303.921+/-0.044 χ^2/NDF: 17392301.9/52

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

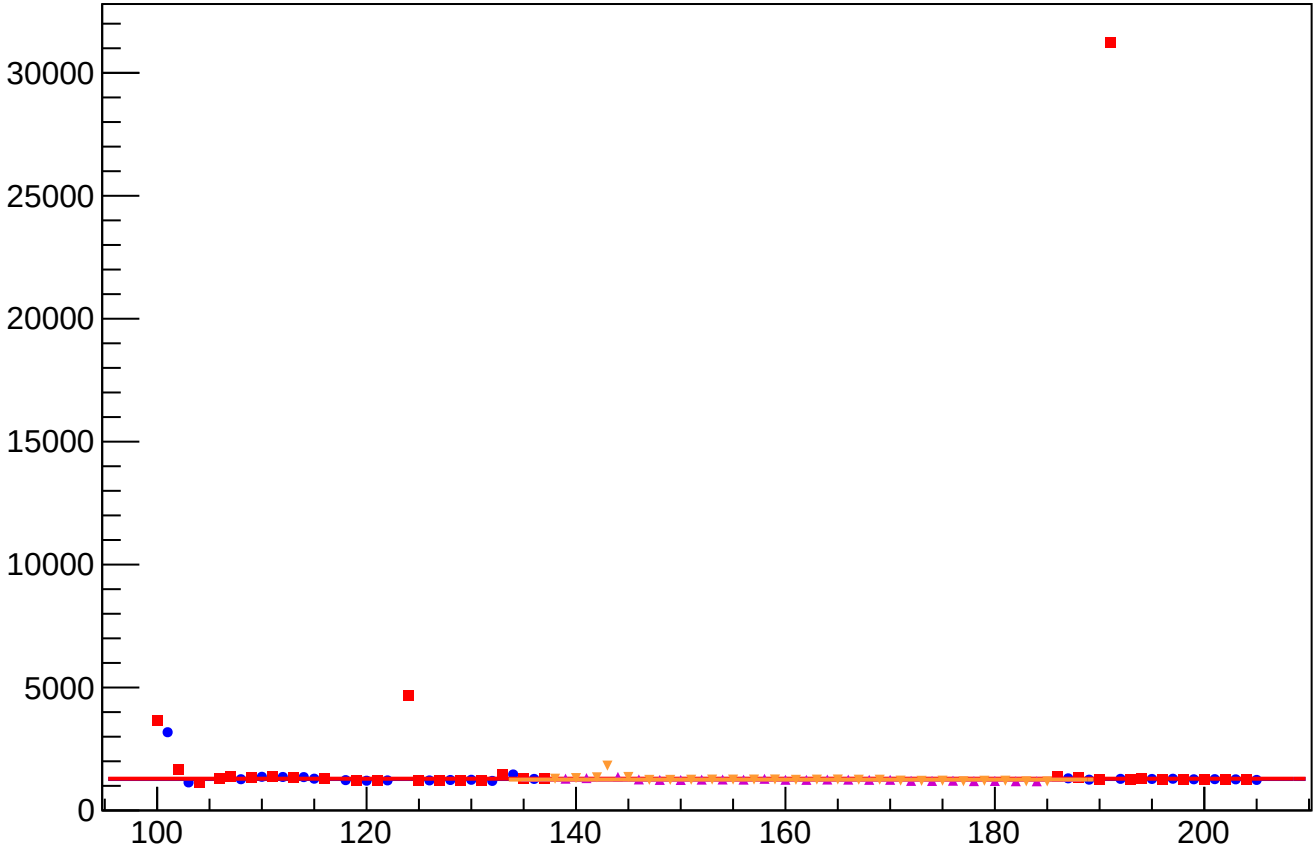
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -193.216+/-155.482 χ^2/NDF: 103.2/102

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

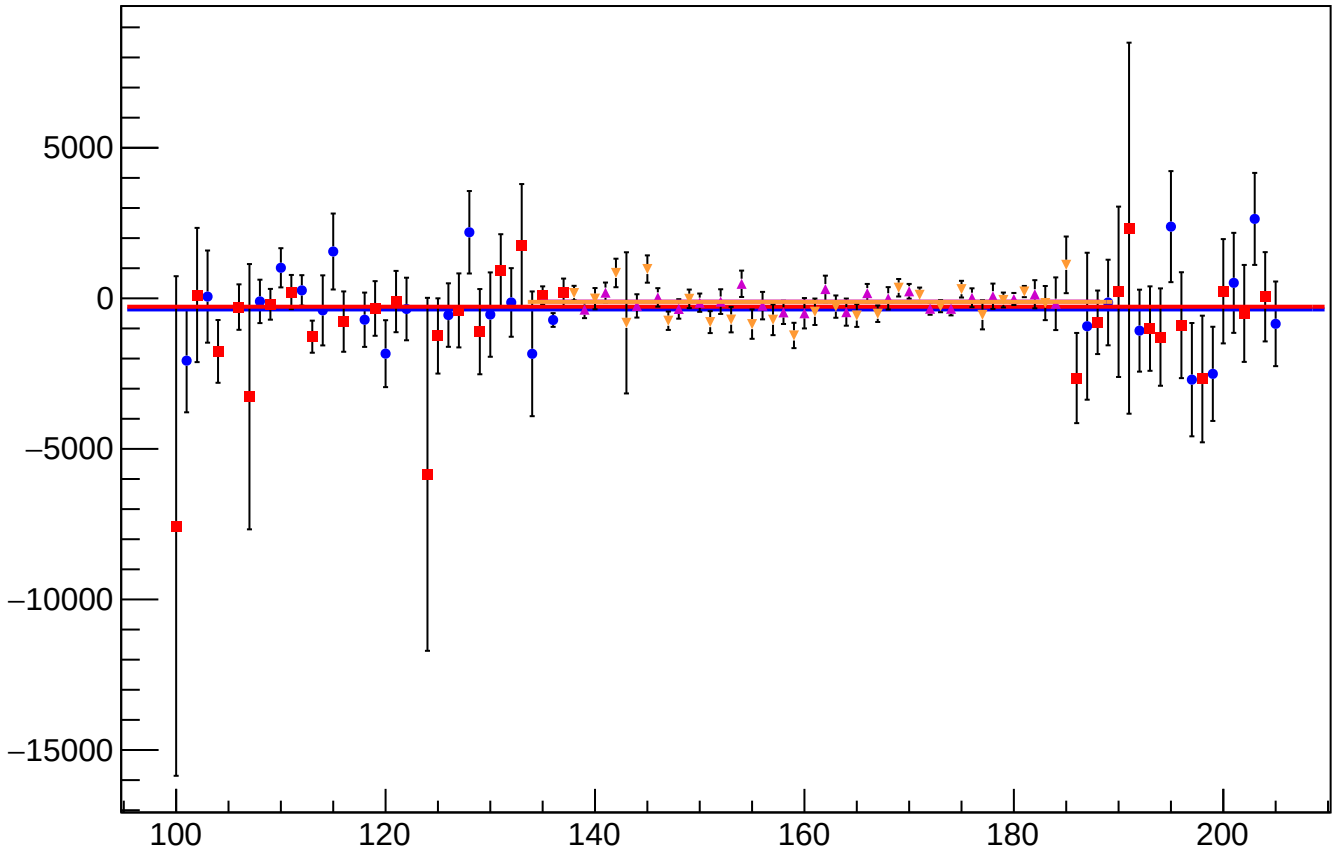
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

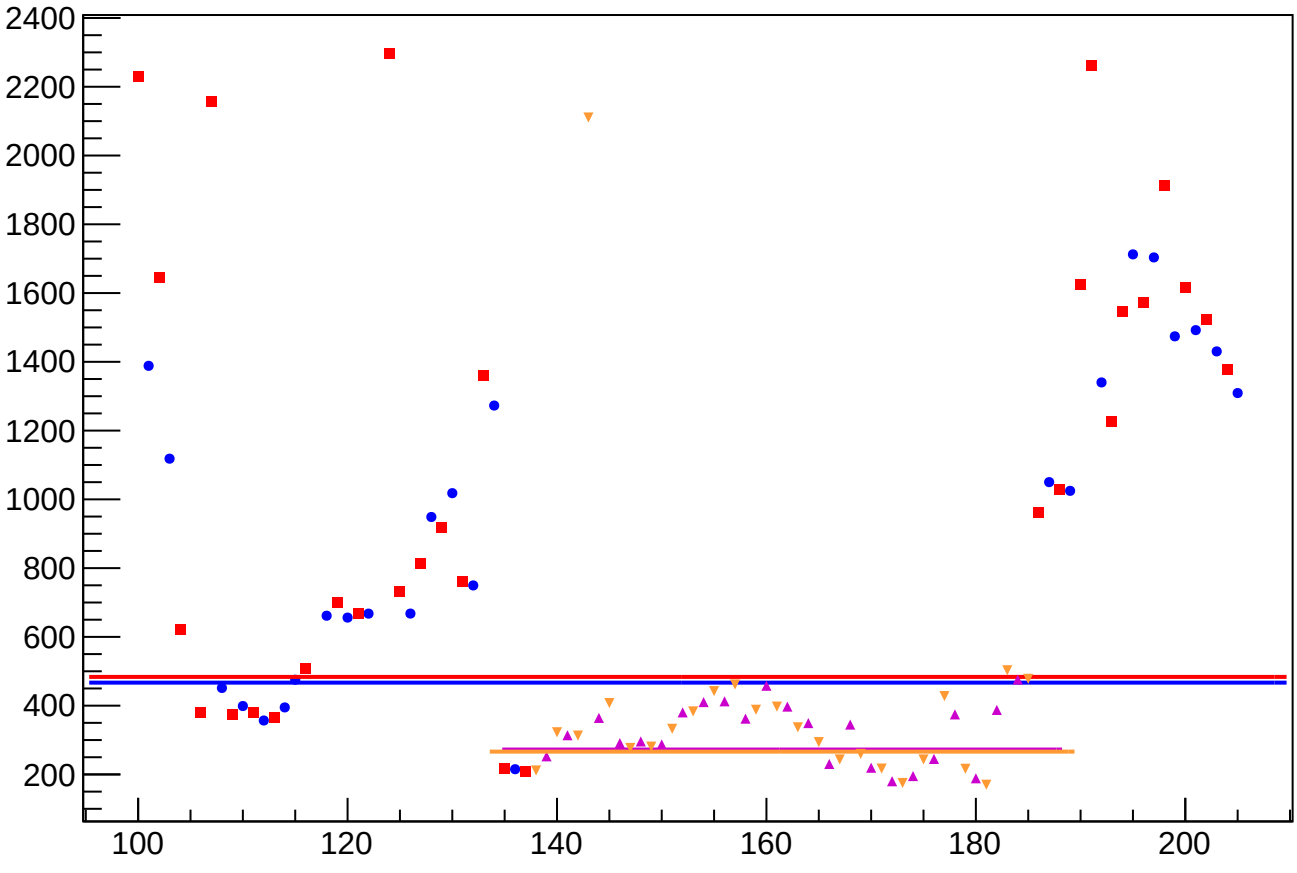
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -142.951+/-43.162 χ^2/NDF: 112.9/102

\- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

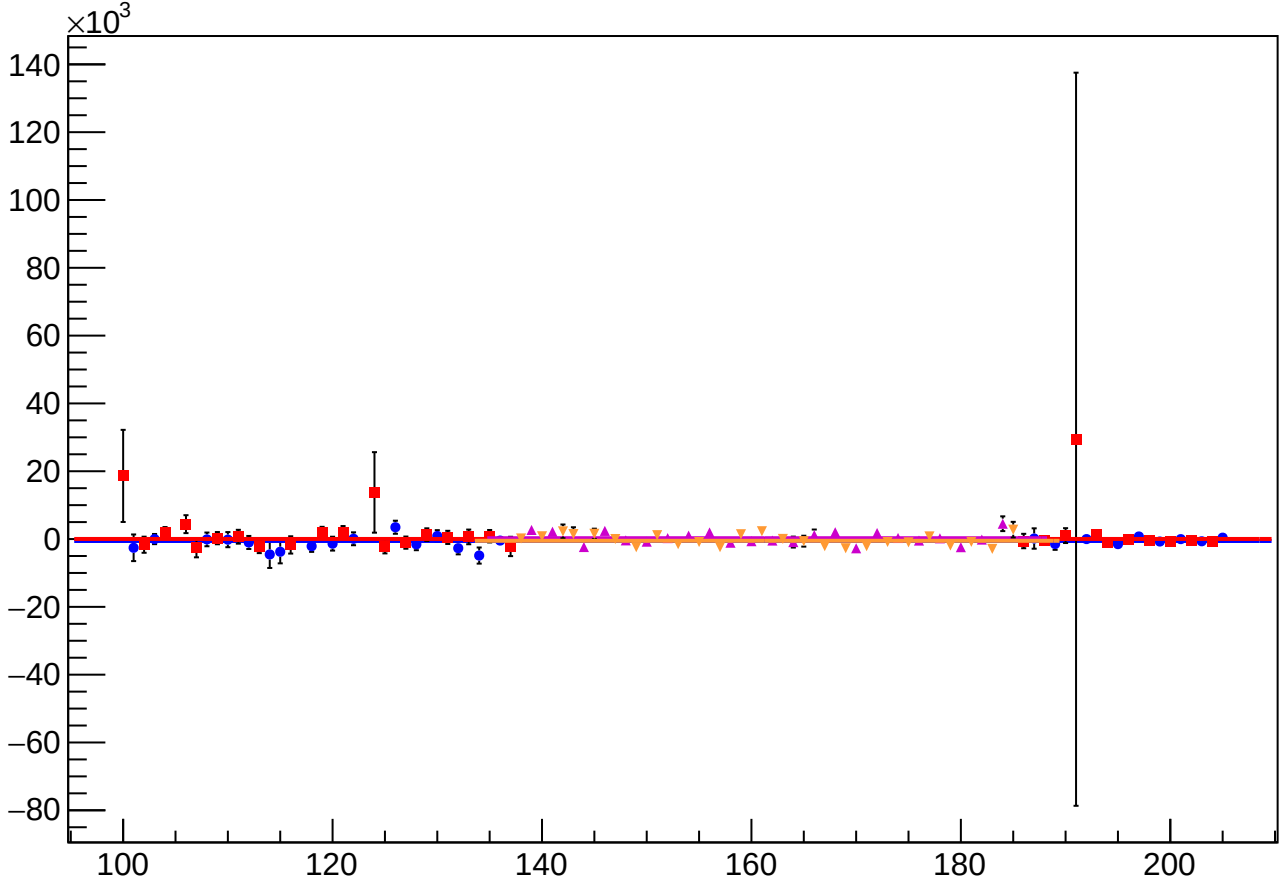
Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 26.634+/-335.523 χ^2/NDF: 18.9/29

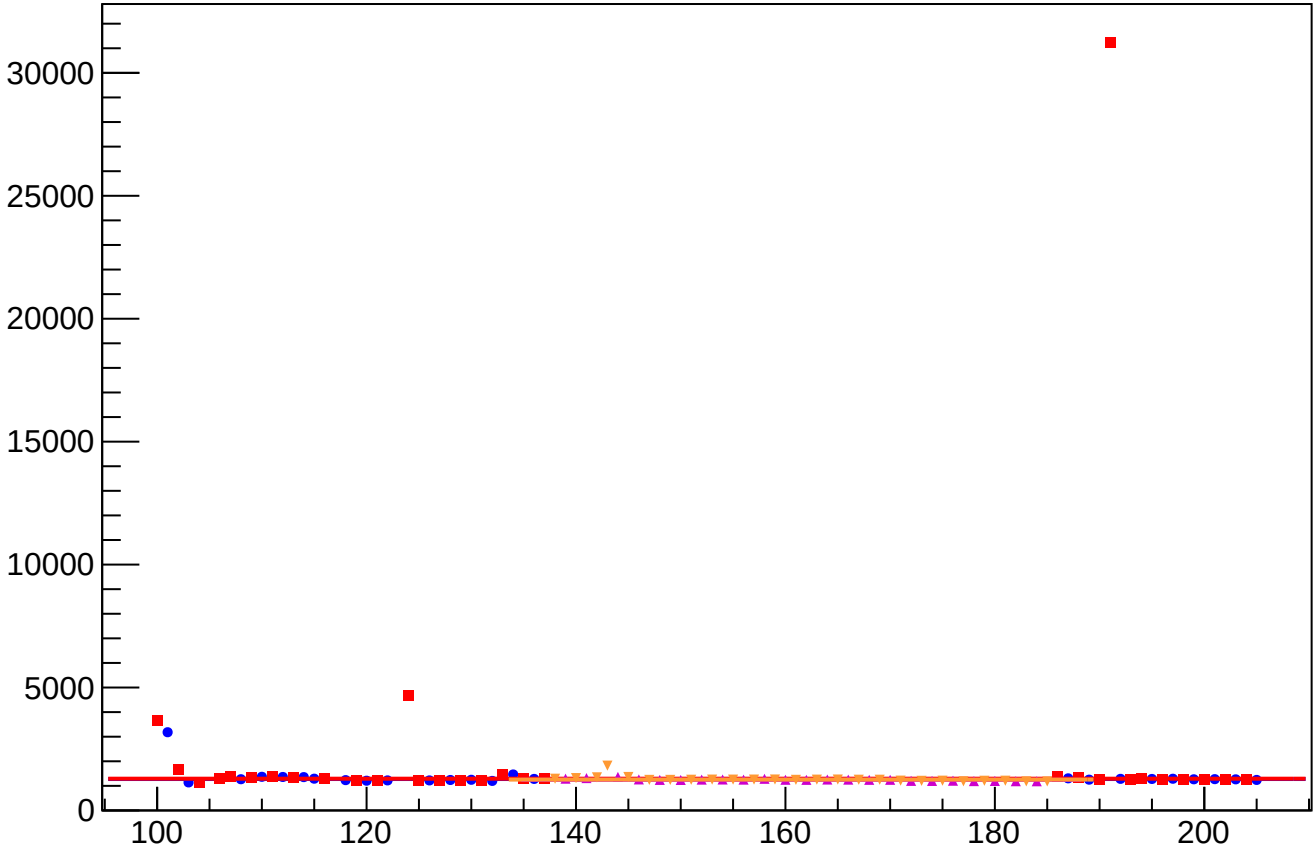
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -193.216+/-155.482 χ^2/NDF: 103.2/102

- sign 149.862+/-219.908 χ^2/NDF: 51.2/52

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

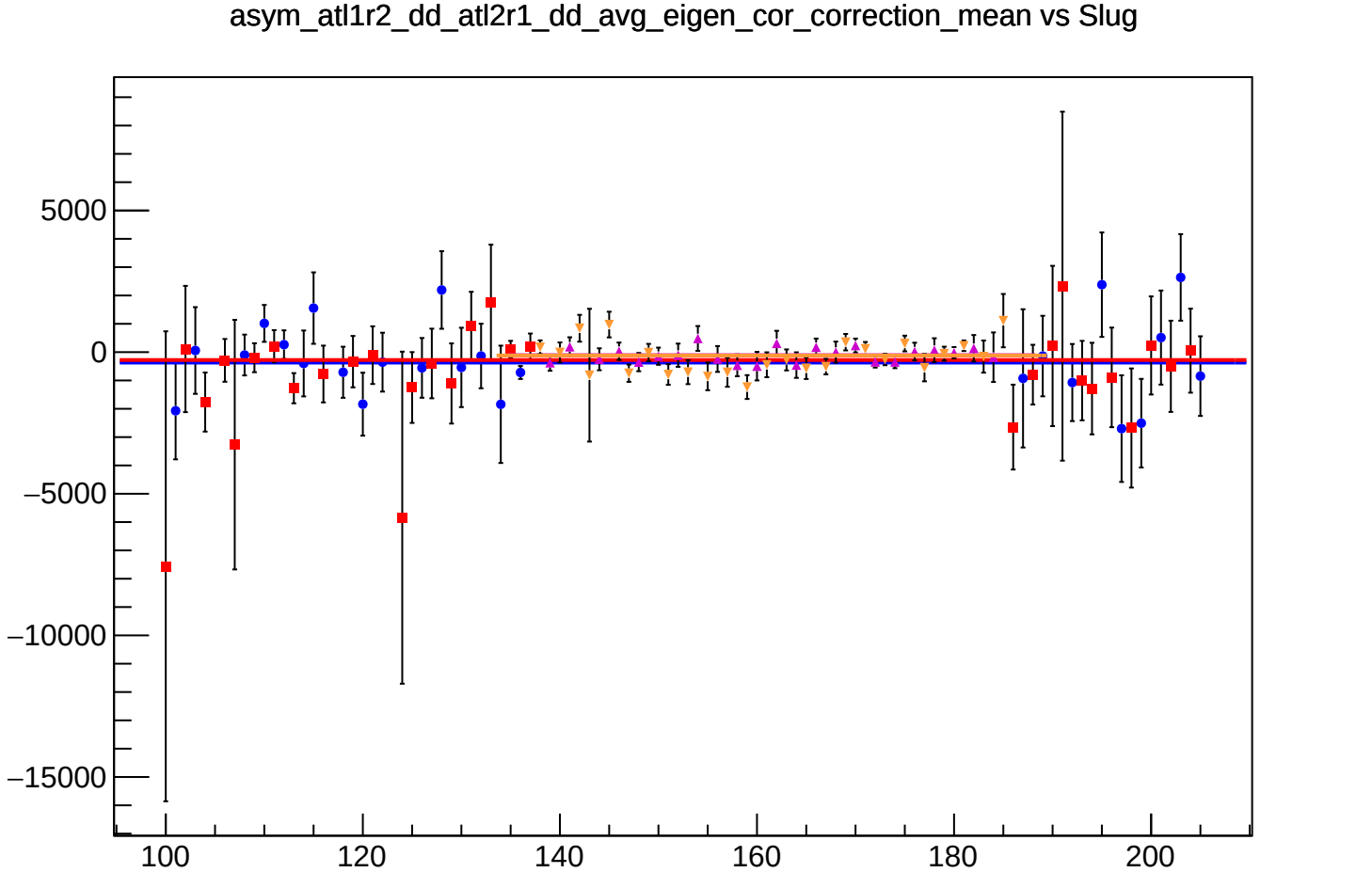
Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10

- sign 1265.890+/-0.155 χ^2/NDF: 552827.2/52



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

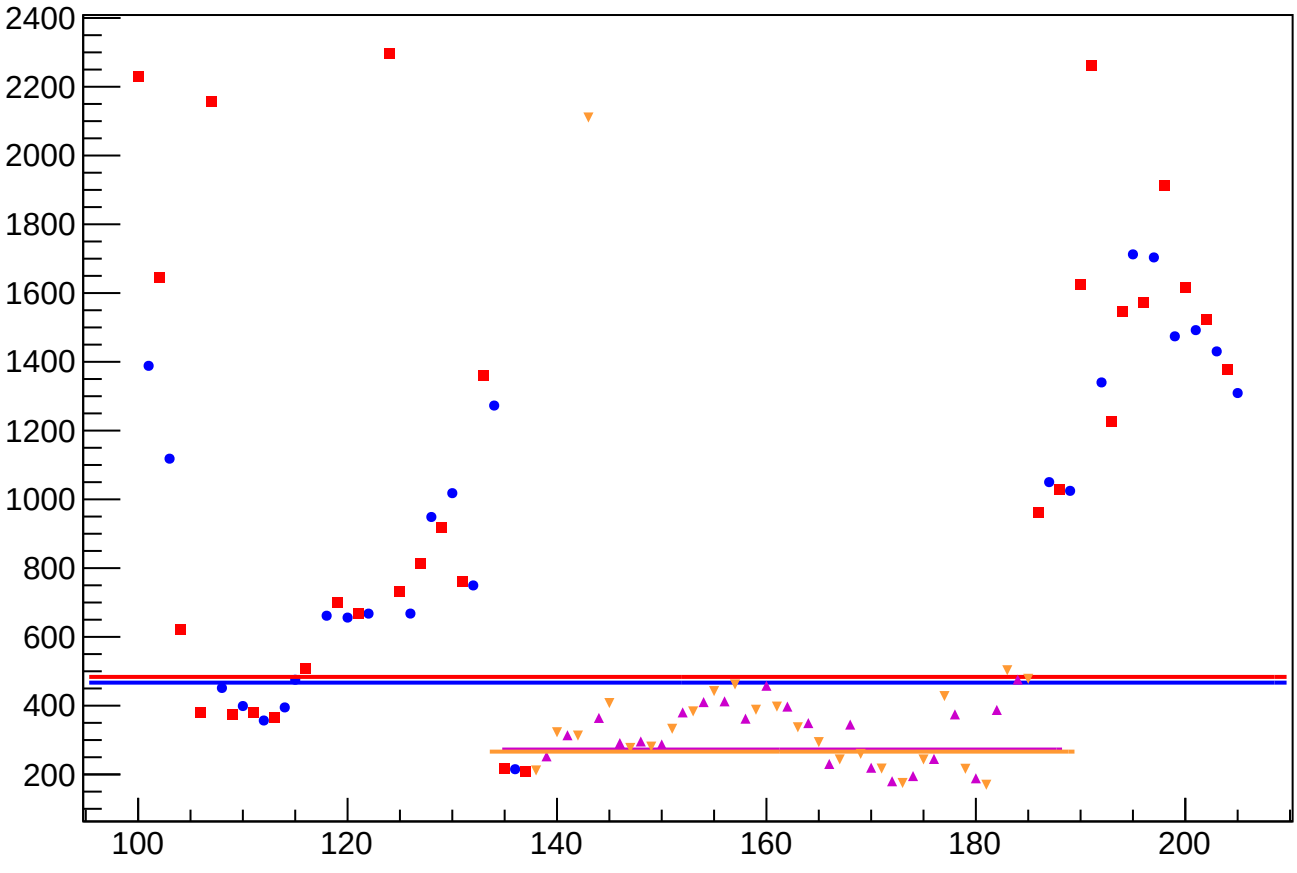
Right Out: -278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -142.951+/-43.162 χ^2/NDF: 112.9/102

- sign -132.878+/-61.814 χ^2/NDF: 34.1/52



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

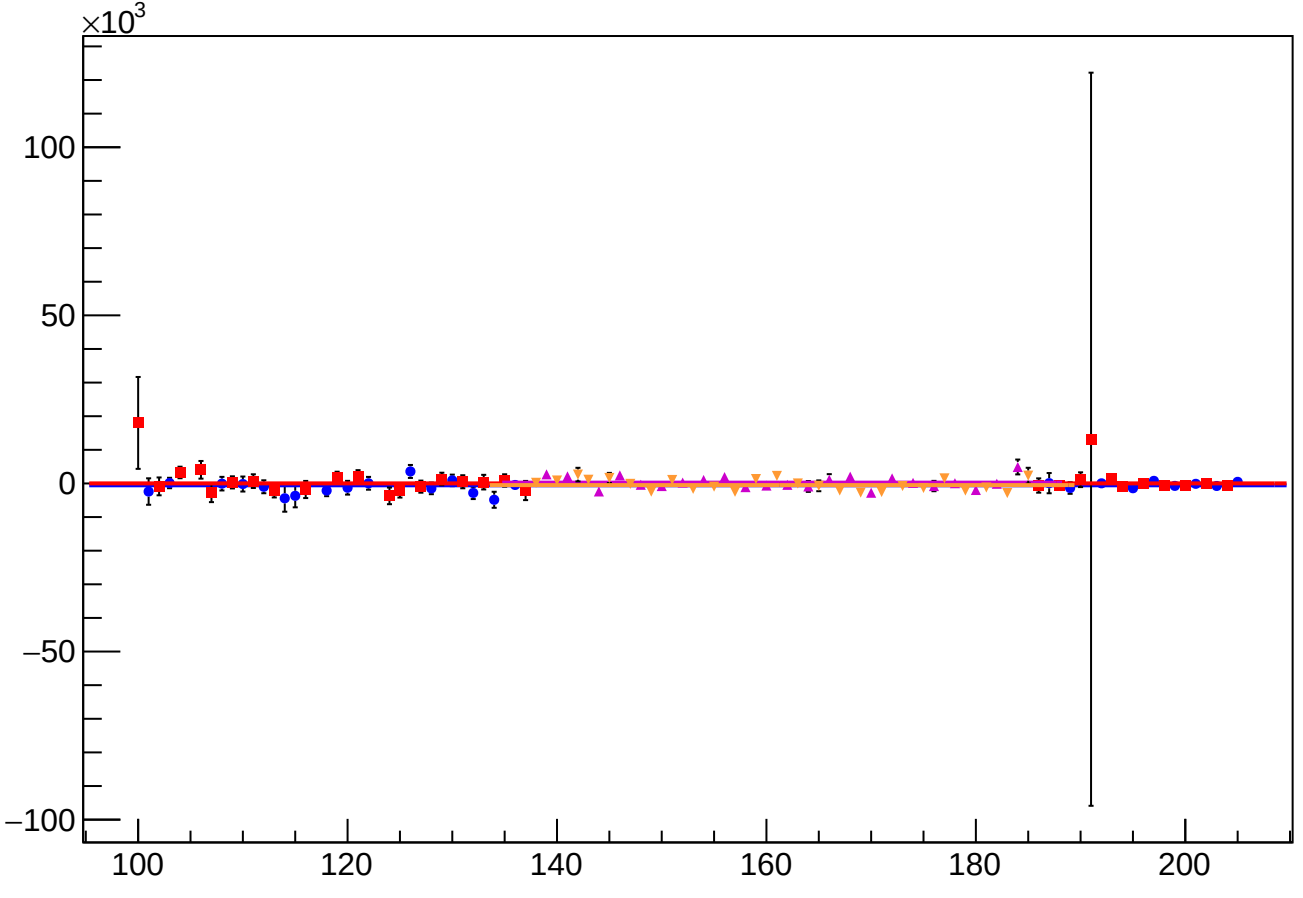
Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10

- sign 303.830+/-0.044 χ^2/NDF: 17388085.7/52



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.491+/-334.631 χ^2/NDF: 20.7/29

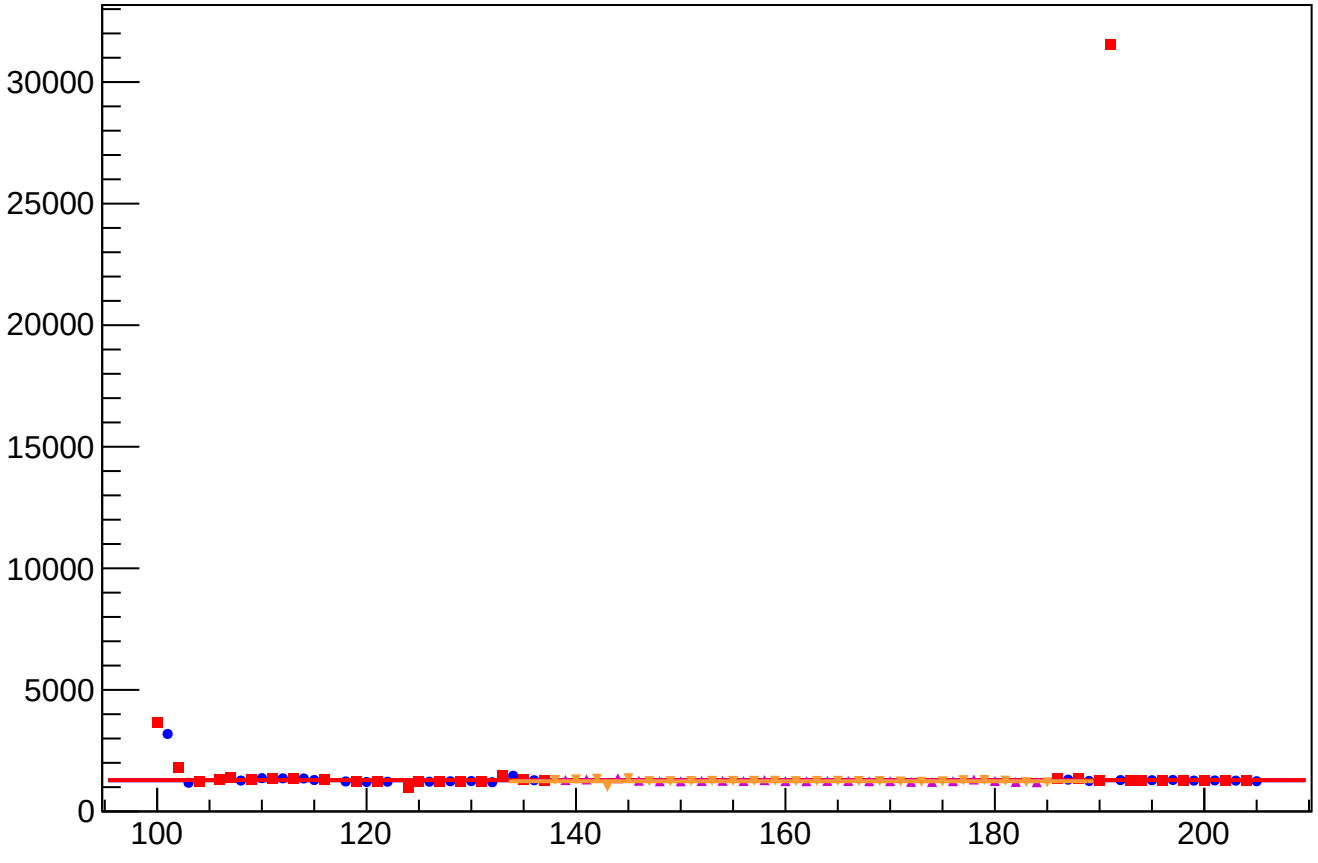
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.935+/-218.686 χ^2/NDF: 50.5/49

All: -188.987+/-155.449 χ^2/NDF: 106.7/102

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

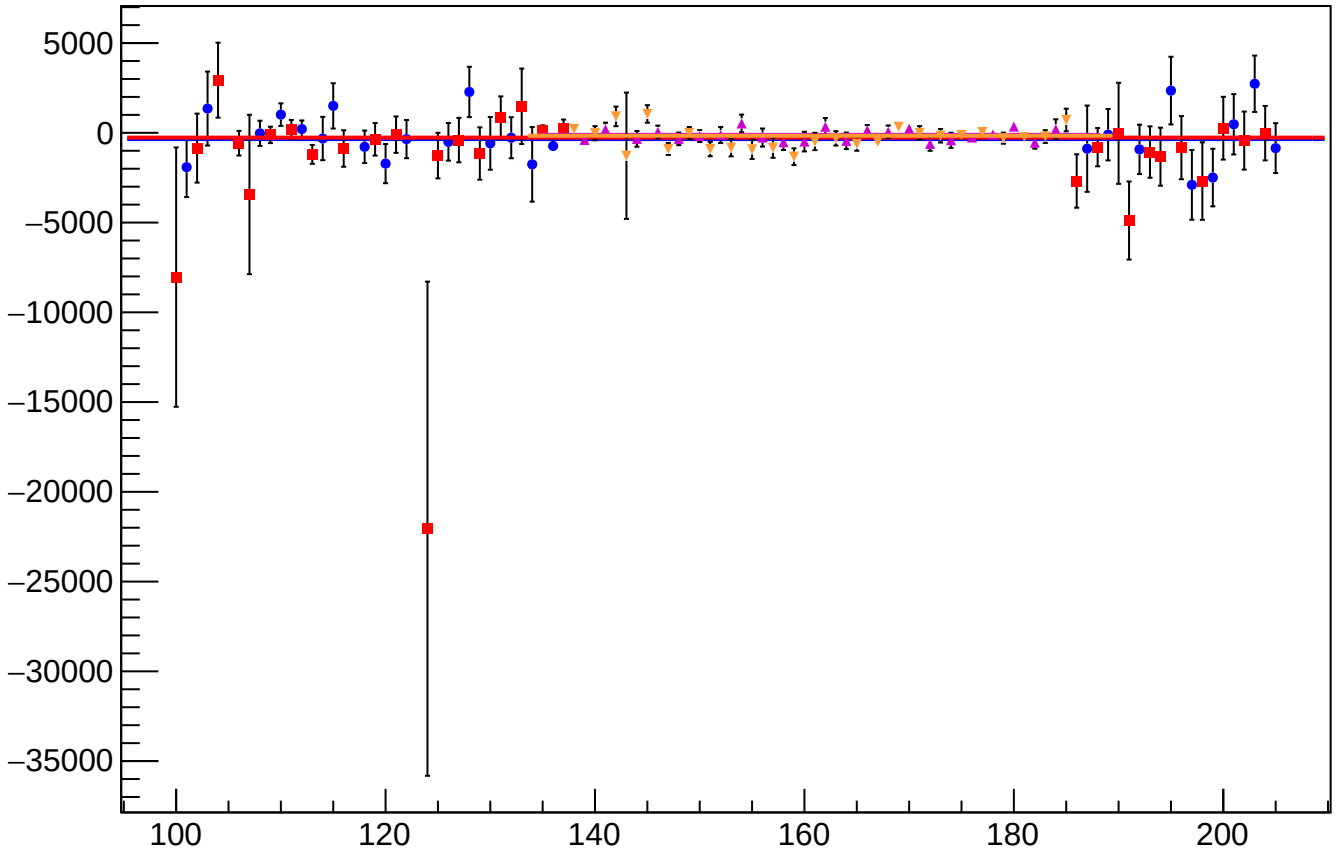
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.9/49

All: 1265.590+/-0.110 χ^2/NDF: 1073355.9/10

- sign 1272.548+/-0.156 χ^2/NDF: 409742.9/52



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

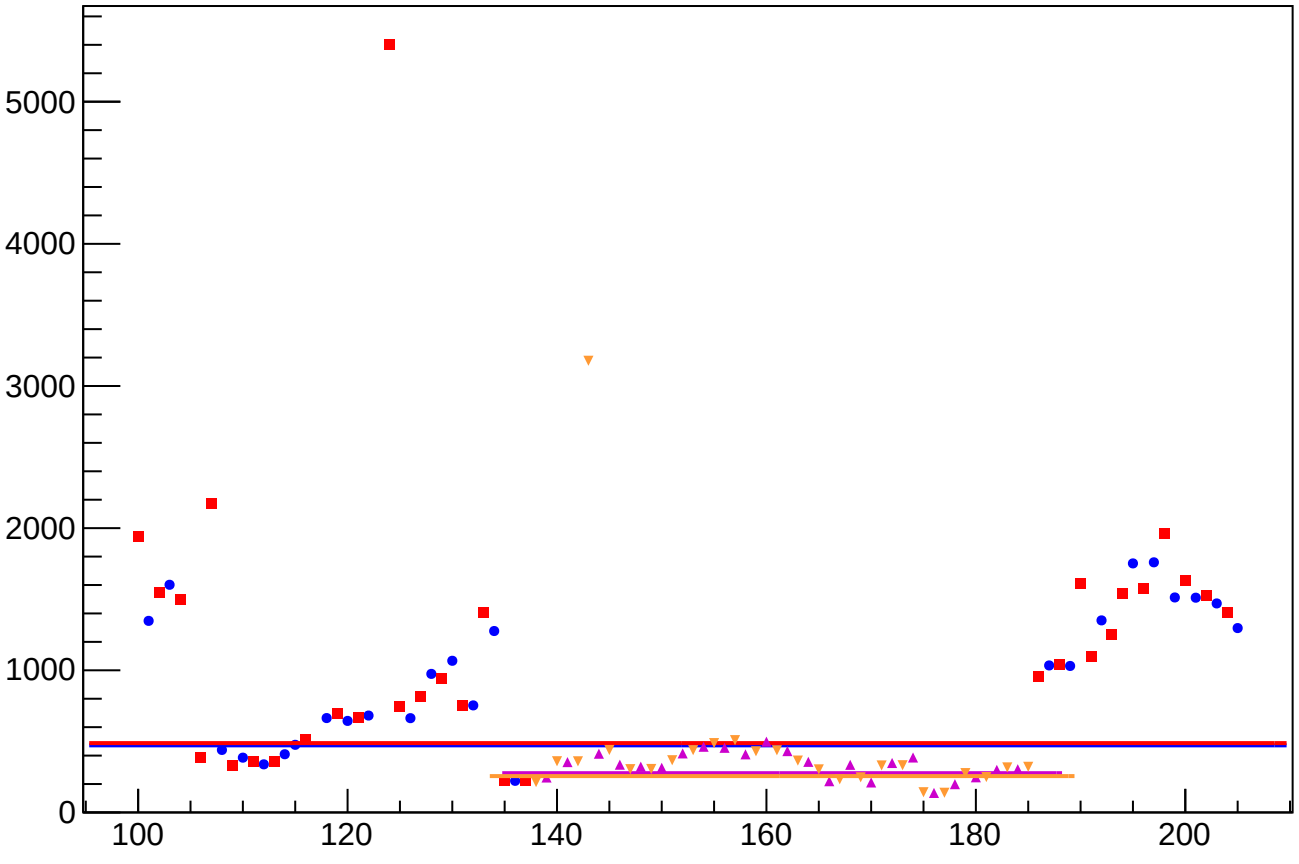
Right Out: -267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.213+/-59.639 χ^2/NDF: 73.4/49

All: -163.340+/-43.391 χ^2/NDF: 118.6/102

- sign -137.615+/-63.248 χ^2/NDF: 44.9/52



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

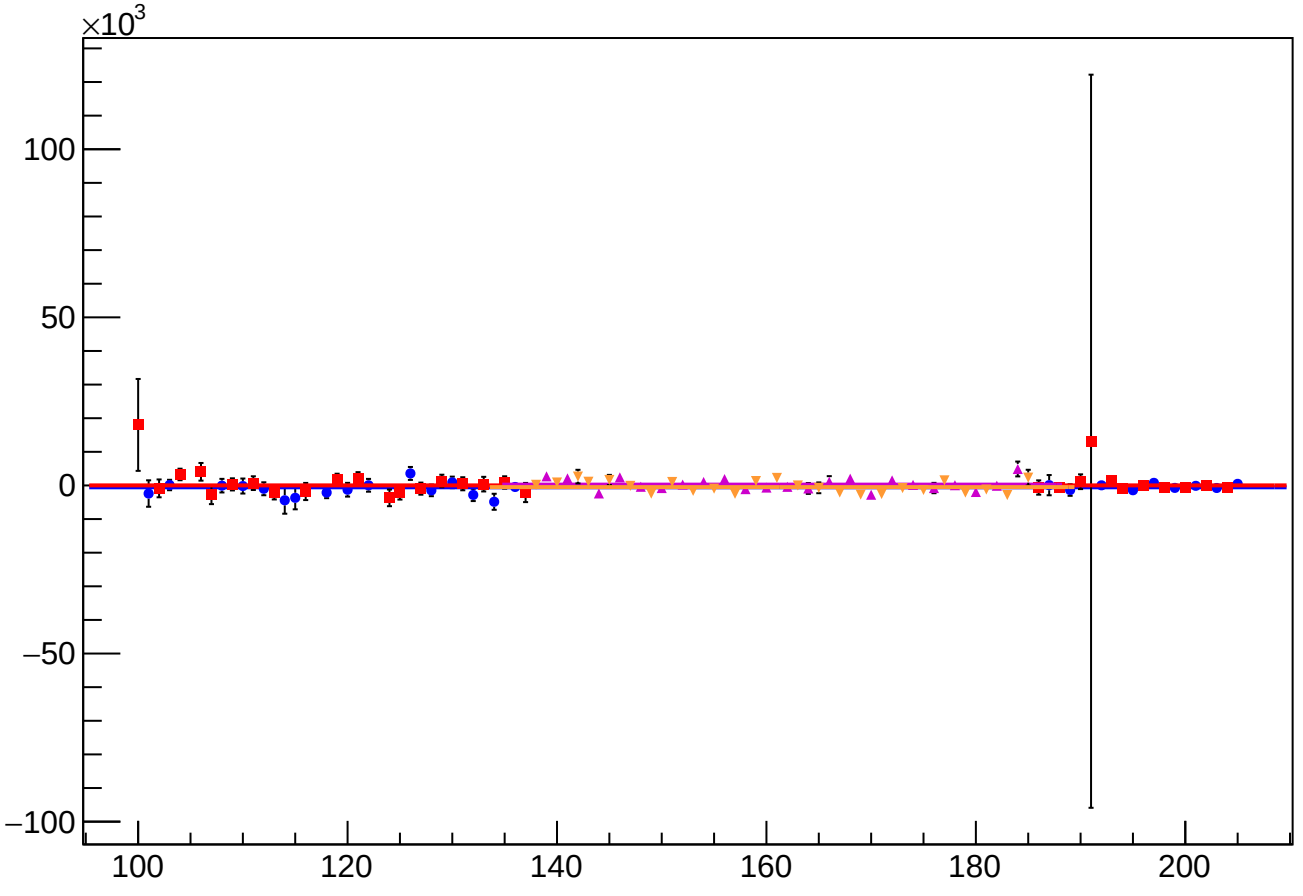
Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 285.016+/-0.042 χ^2/NDF: 20488115.0/49

All: 296.437+/-0.031 χ^2/NDF: 39672570.2/10

- sign 309.281+/-0.045 χ^2/NDF: 19028627.6/52



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 19.490+/-334.631 χ^2/NDF: 20.7/29

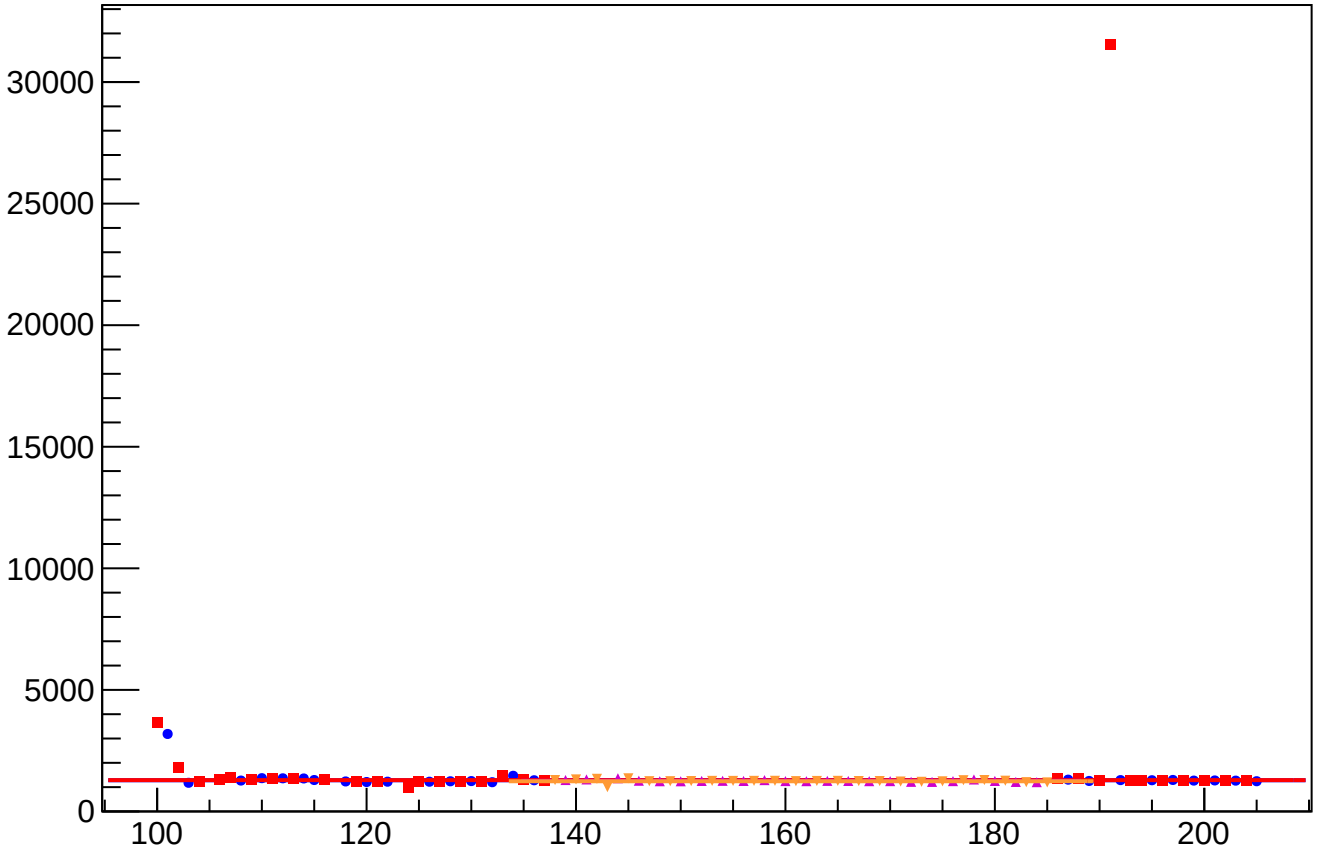
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.936+/-218.686 χ^2/NDF: 50.5/49

All: -188.988+/-155.449 χ^2/NDF: 106.7/102

- sign 144.943+/-221.009 χ^2/NDF: 51.7/52

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

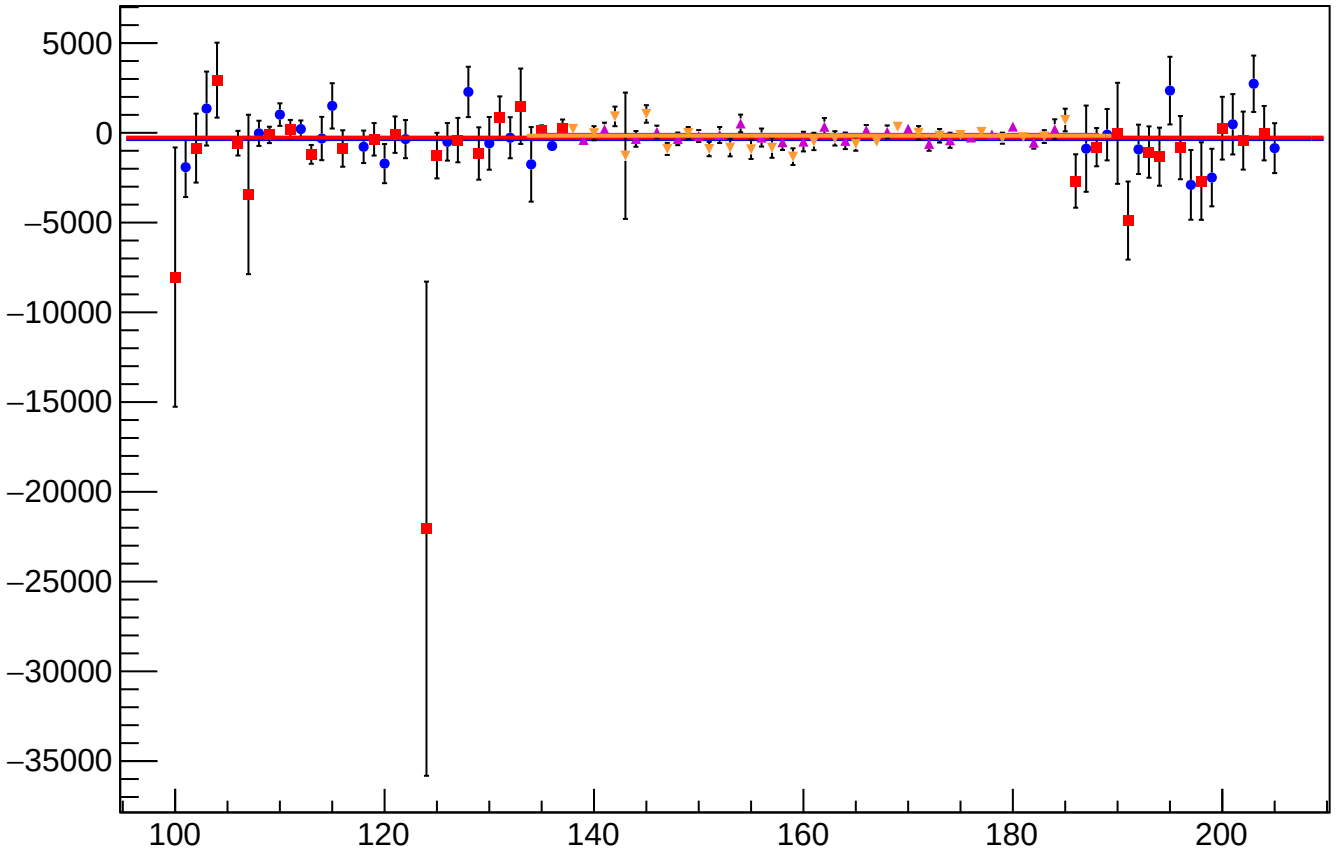
Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.0/49

All: 1265.590+/-0.110 χ^2/NDF: 1073355.3/10

- sign 1272.548+/-0.156 χ^2/NDF: 409743.3/52



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

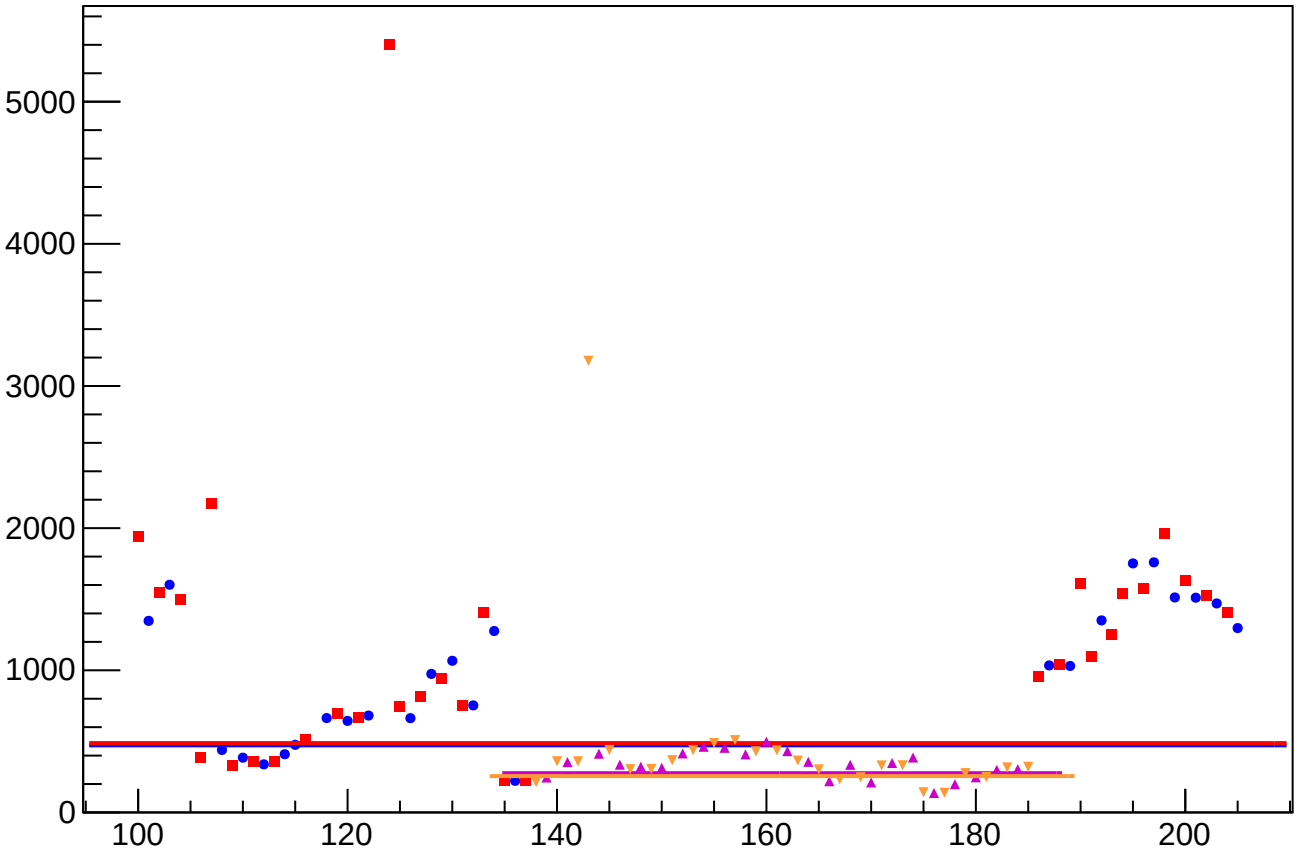
Right Out: -267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.216+/-59.640 χ^2/NDF: 73.4/49

All: -163.341+/-43.391 χ^2/NDF: 118.6/102

- sign -137.614+/-63.249 χ^2/NDF: 44.9/52



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

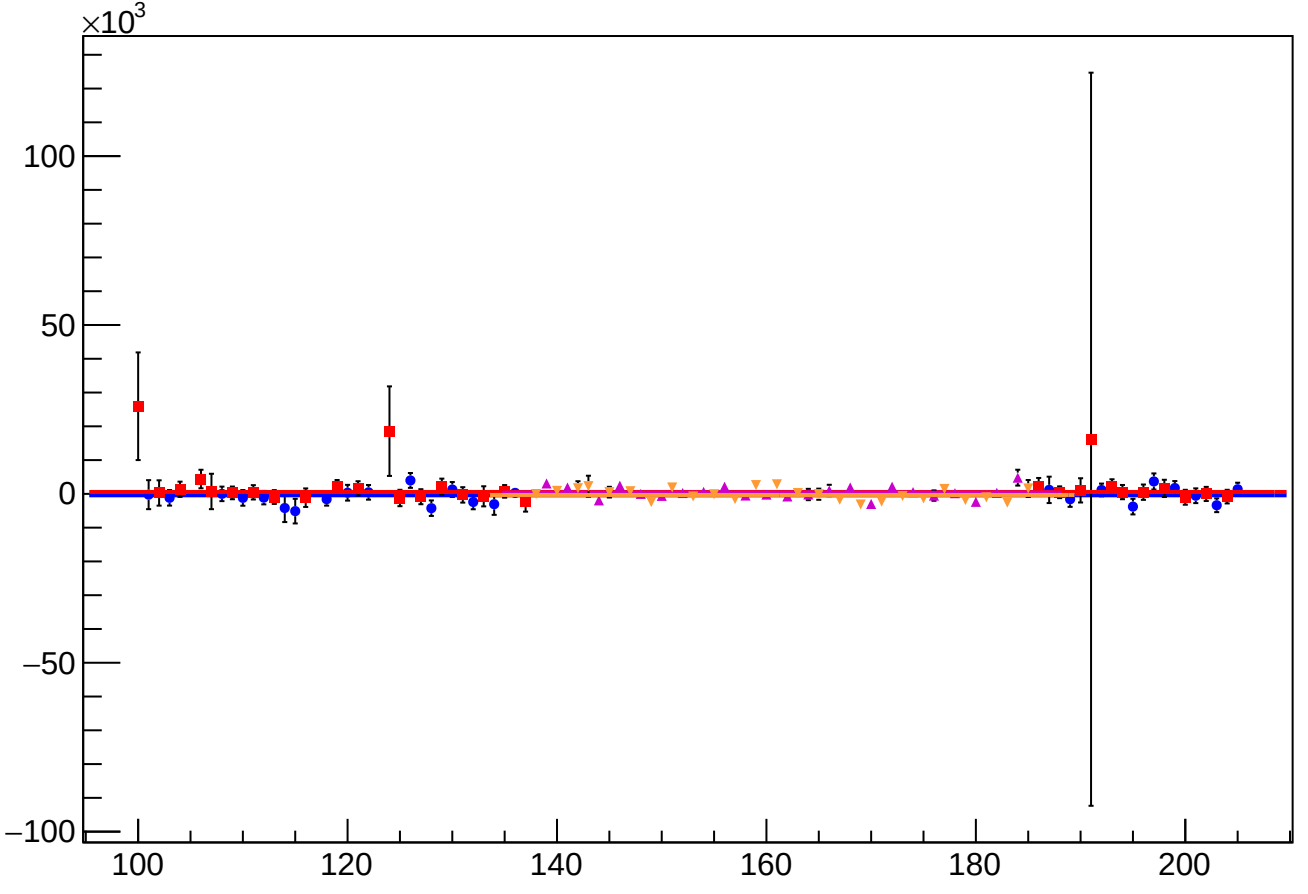
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 285.018+/-0.042 χ^2/NDF: 20487907.6/49

All: 296.438+/-0.031 χ^2/NDF: 39672235.3/10

- sign 309.283+/-0.045 χ^2/NDF: 19028512.2/52

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 567.706+/-440.175 χ^2/NDF: 13.7/29

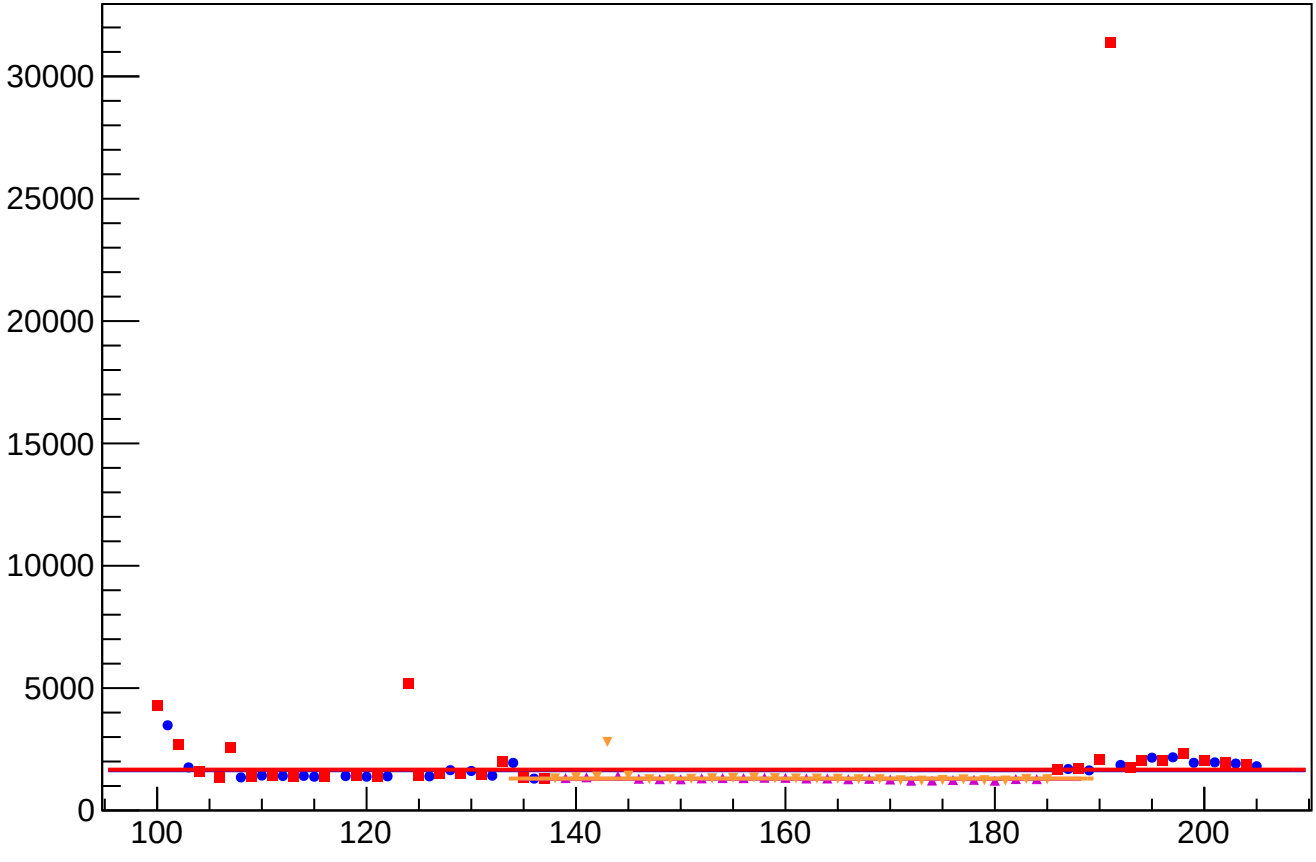
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -352.412+/-248.172 χ^2/NDF: 54.4/49

All: 34.544+/-175.765 χ^2/NDF: 102.8/102

- sign 423.992+/-248.970 χ^2/NDF: 43.5/52

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

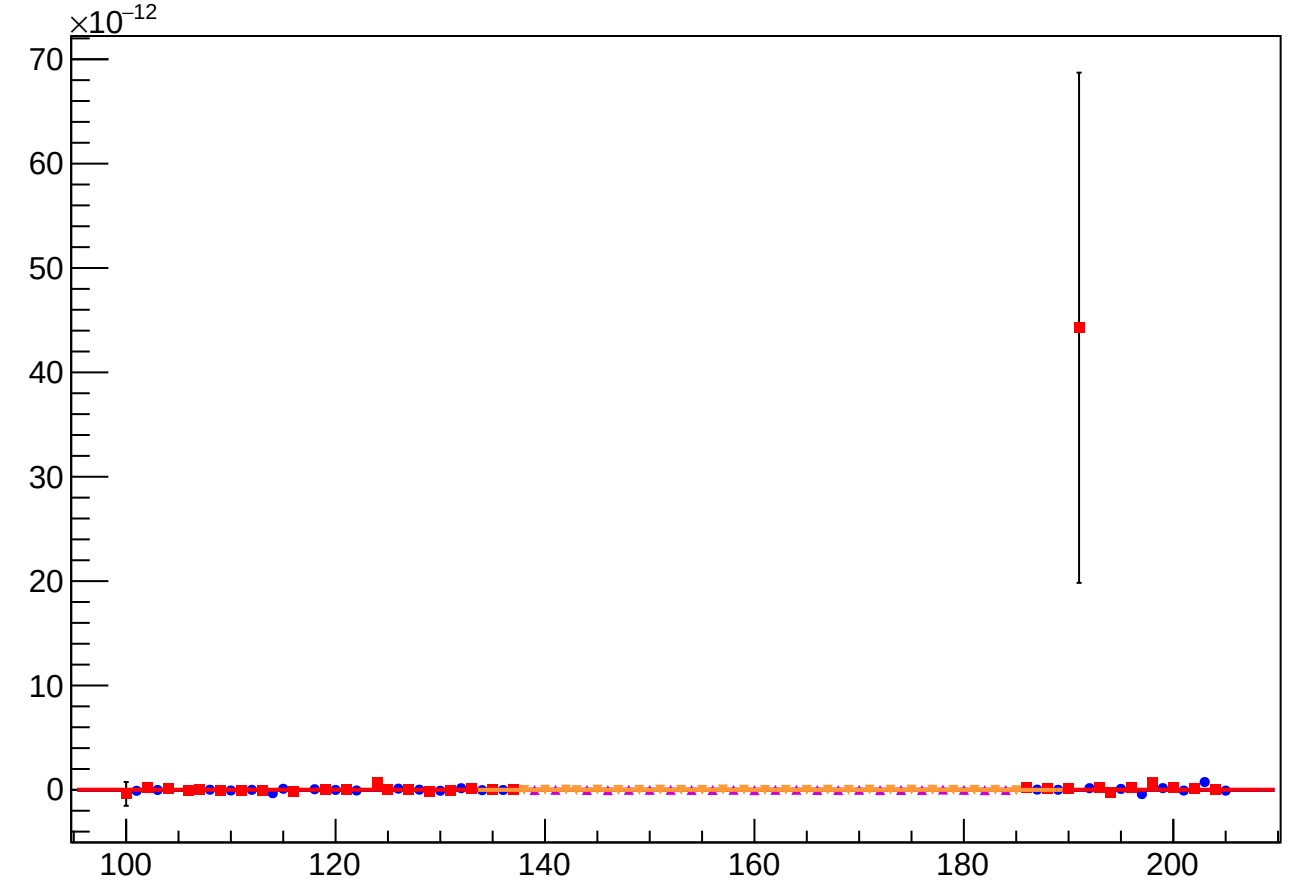
Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1408.795+/-0.175 χ^2/NDF: 2421396.4/49

All: 1410.607+/-0.124 χ^2/NDF: 4833614.0/10

- sign 1412.430+/-0.176 χ^2/NDF: 2412003.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

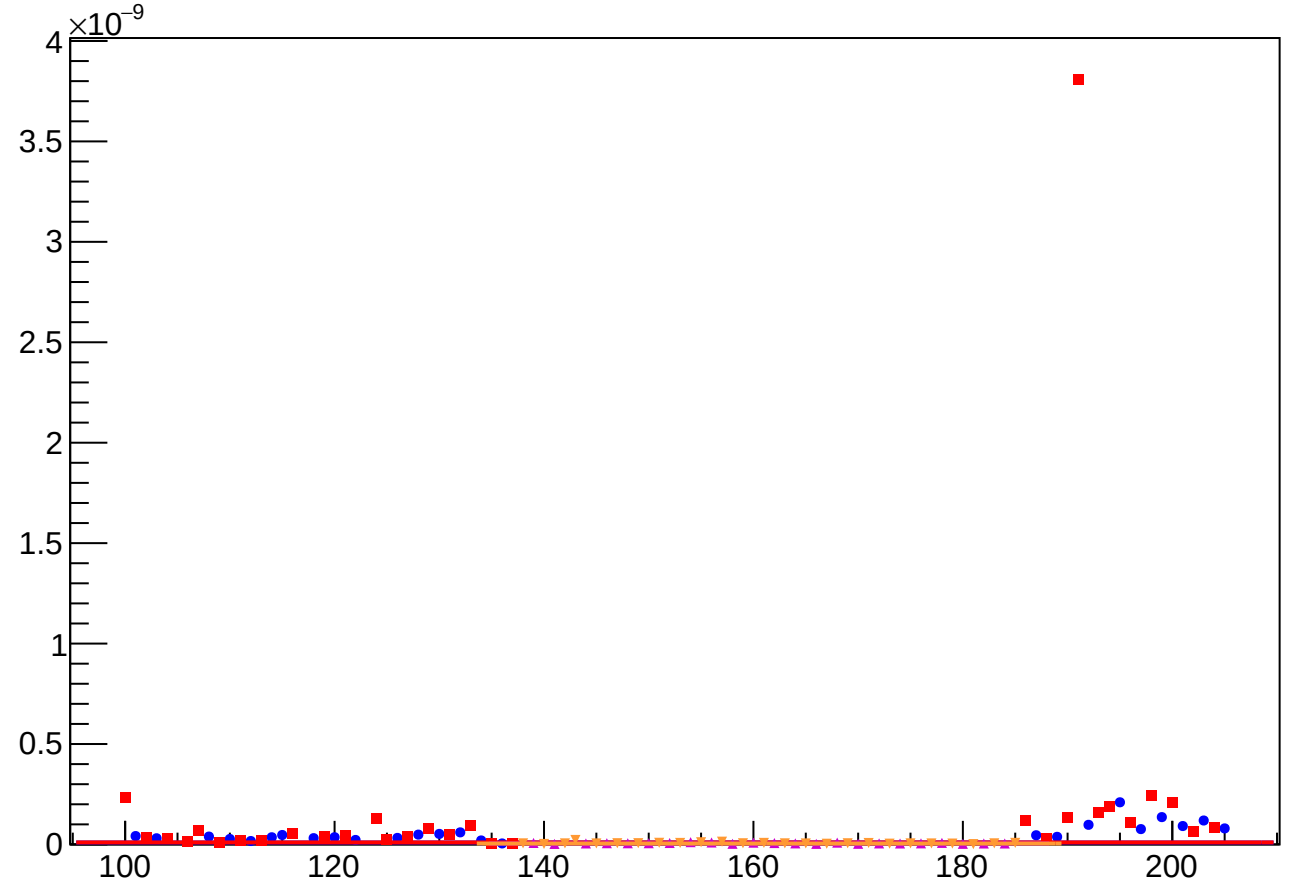
Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/49

All: 0.000+/-0.000 χ^2/NDF: 124.2/102

- sign 0.000+/-0.000 χ^2/NDF: 68.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

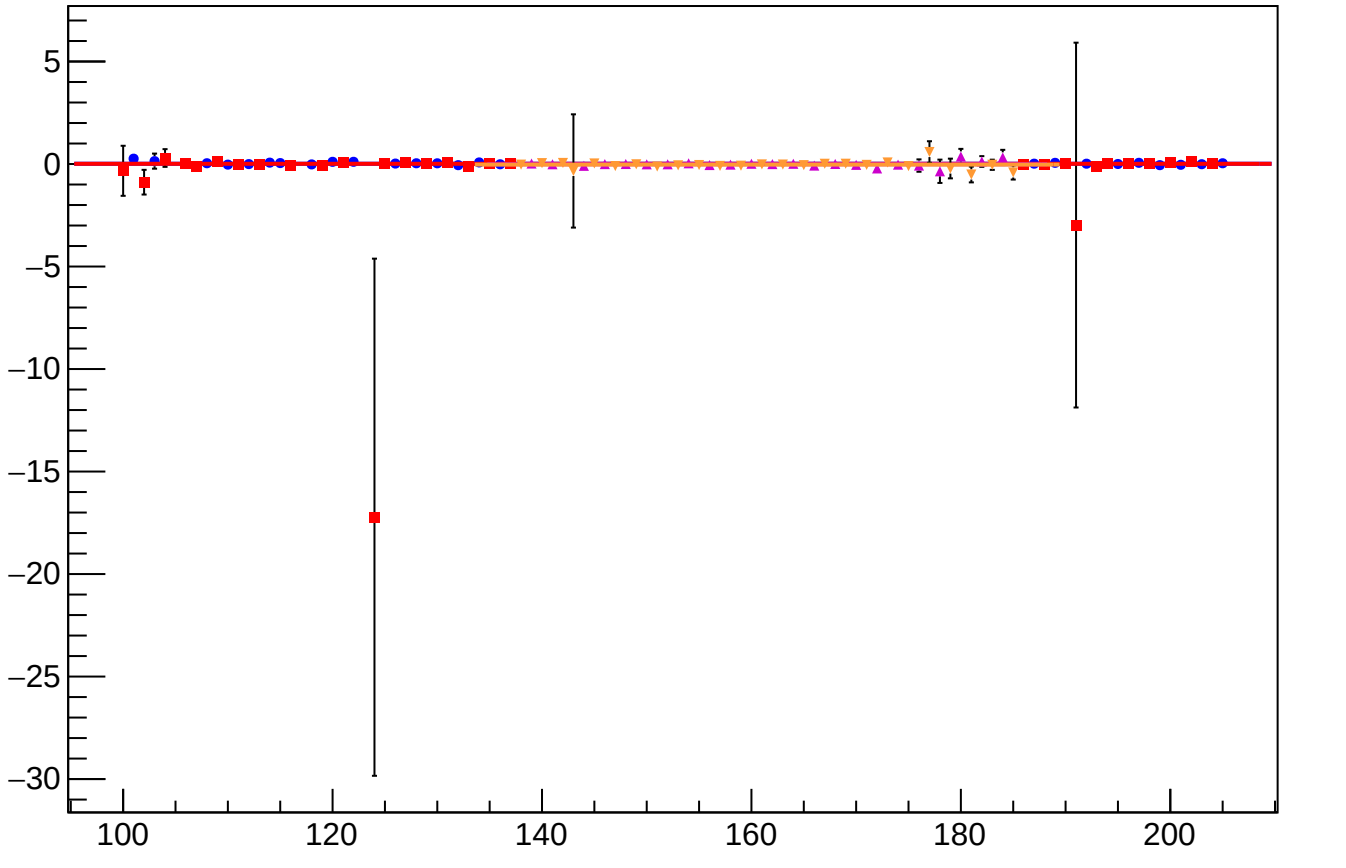
Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10307278.9/49

All: 0.000+/-0.000 χ^2/NDF: 21666629.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11334605.1/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

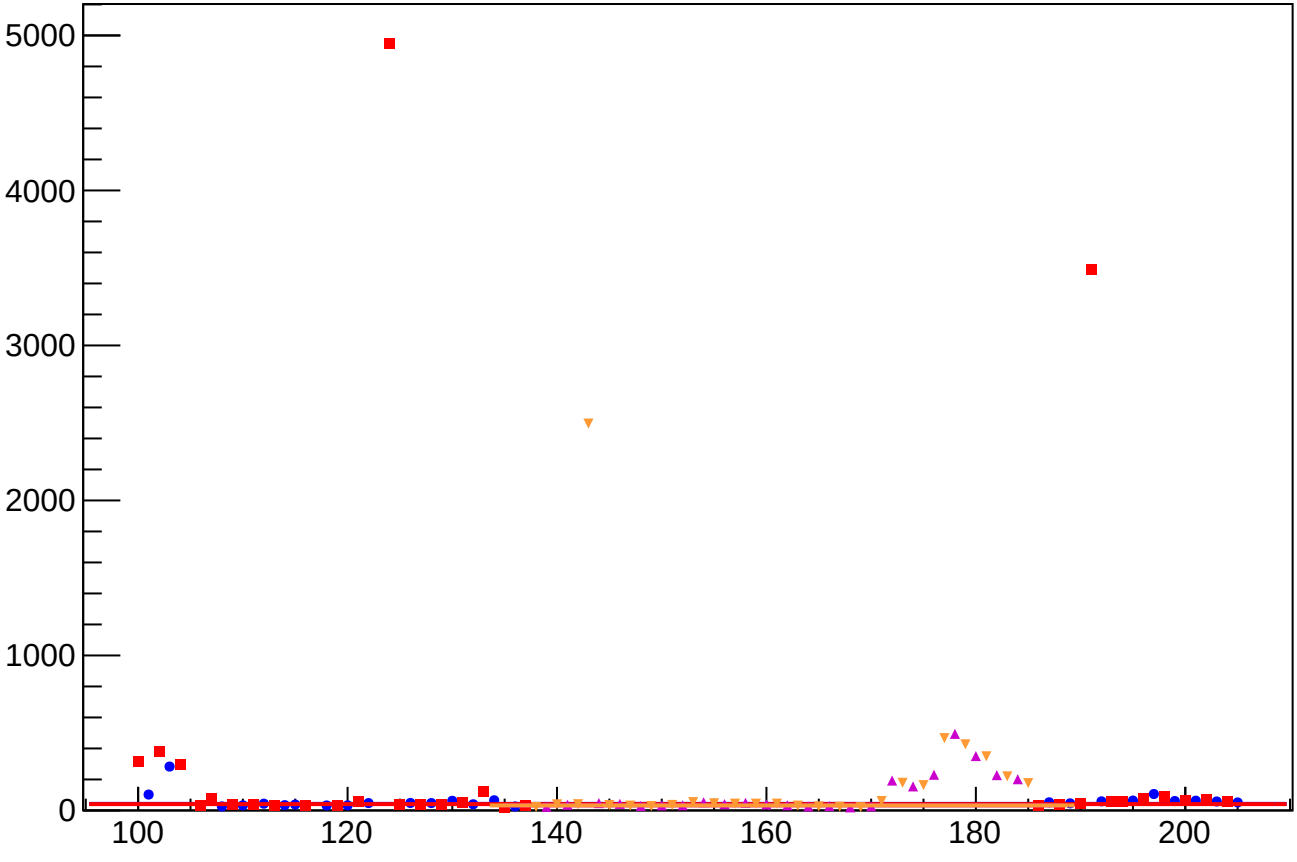
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

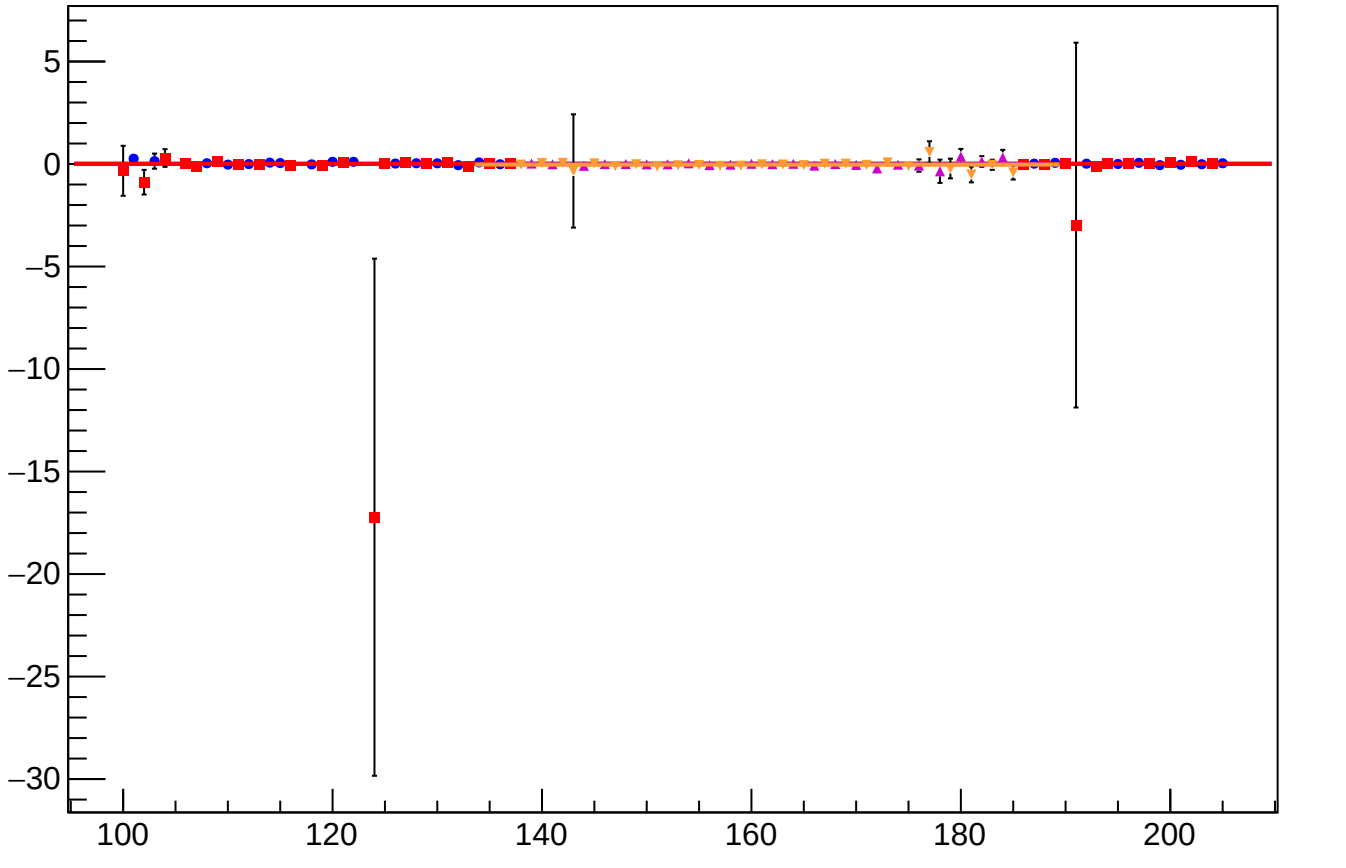
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

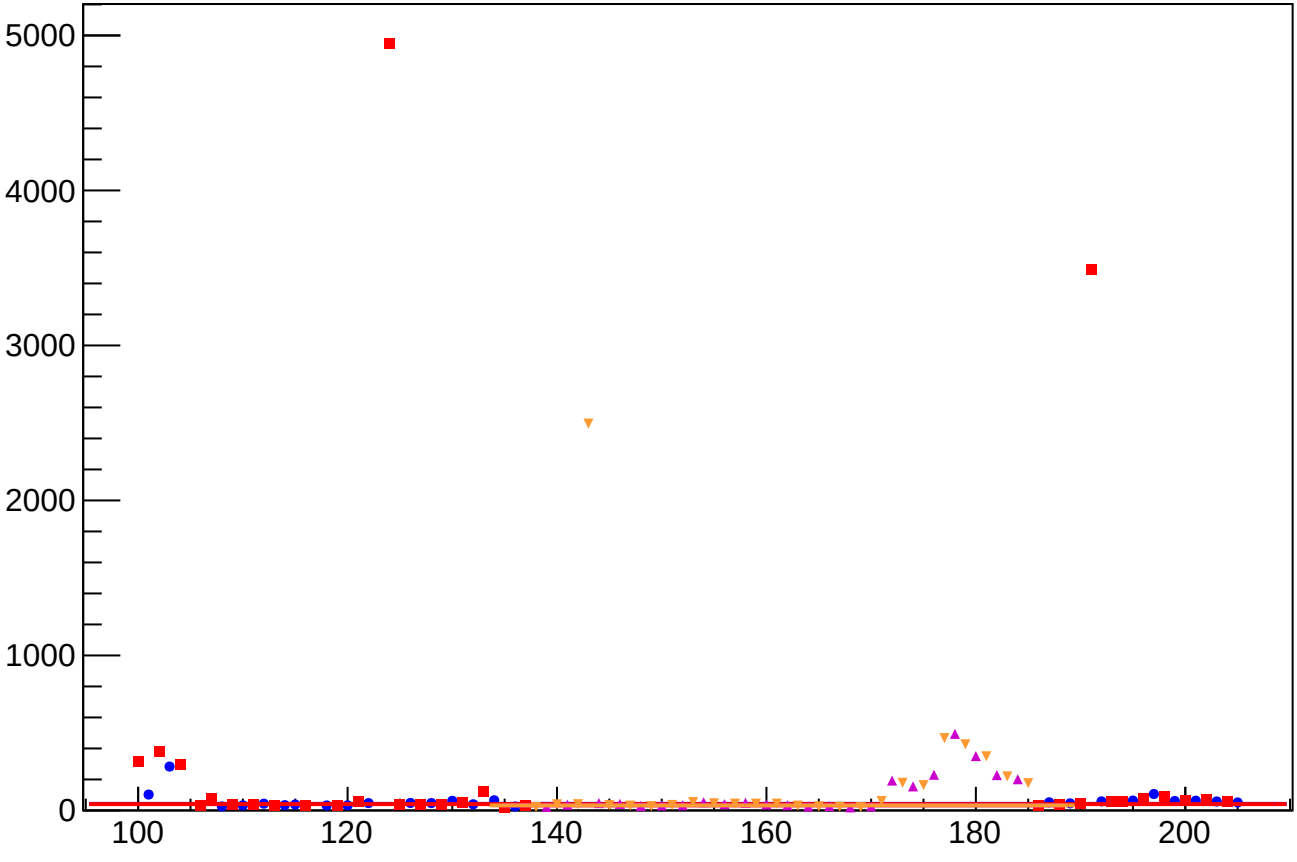
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

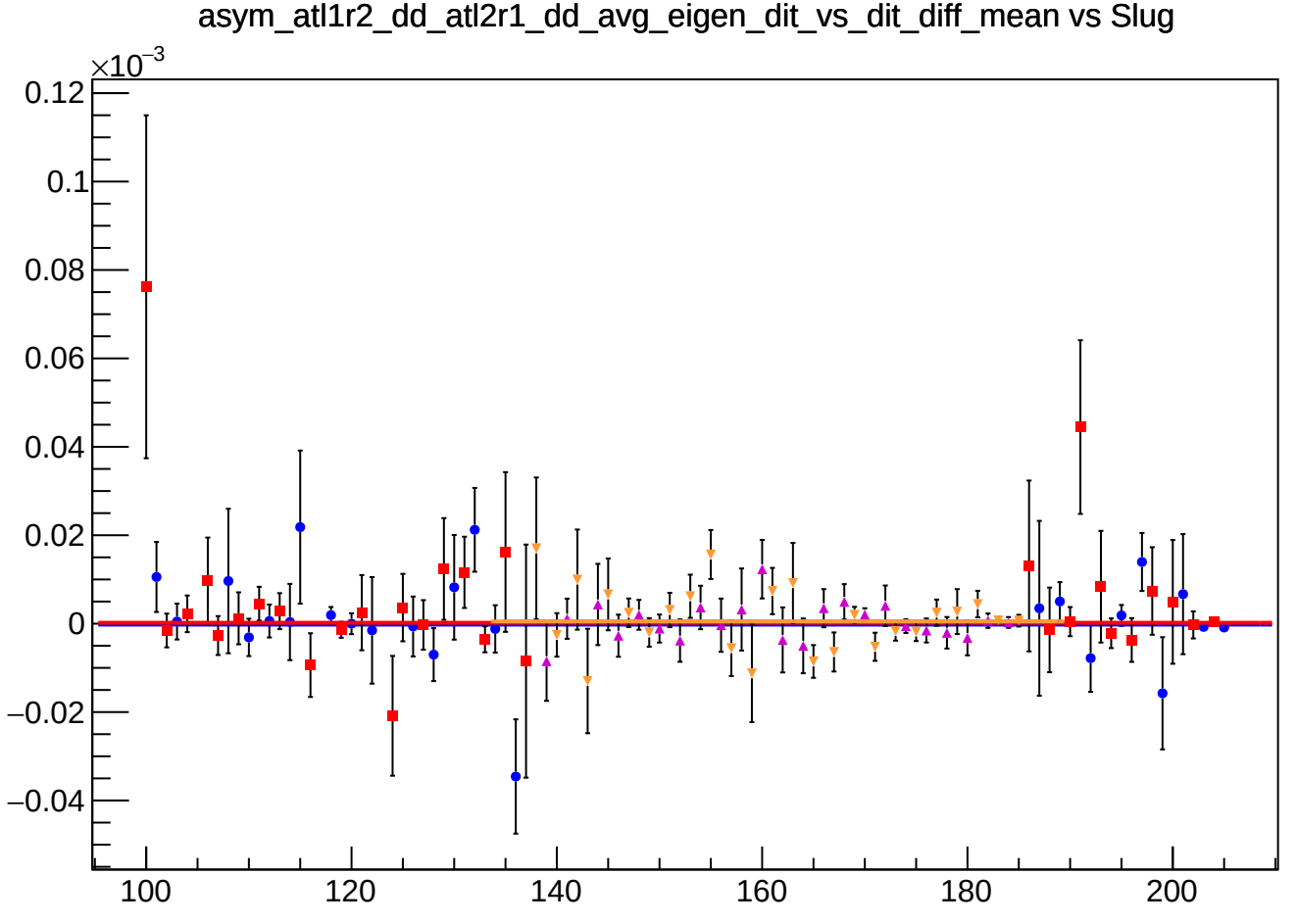
Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

- sign 35.756+/-0.005 χ^2/NDF: 14886483.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

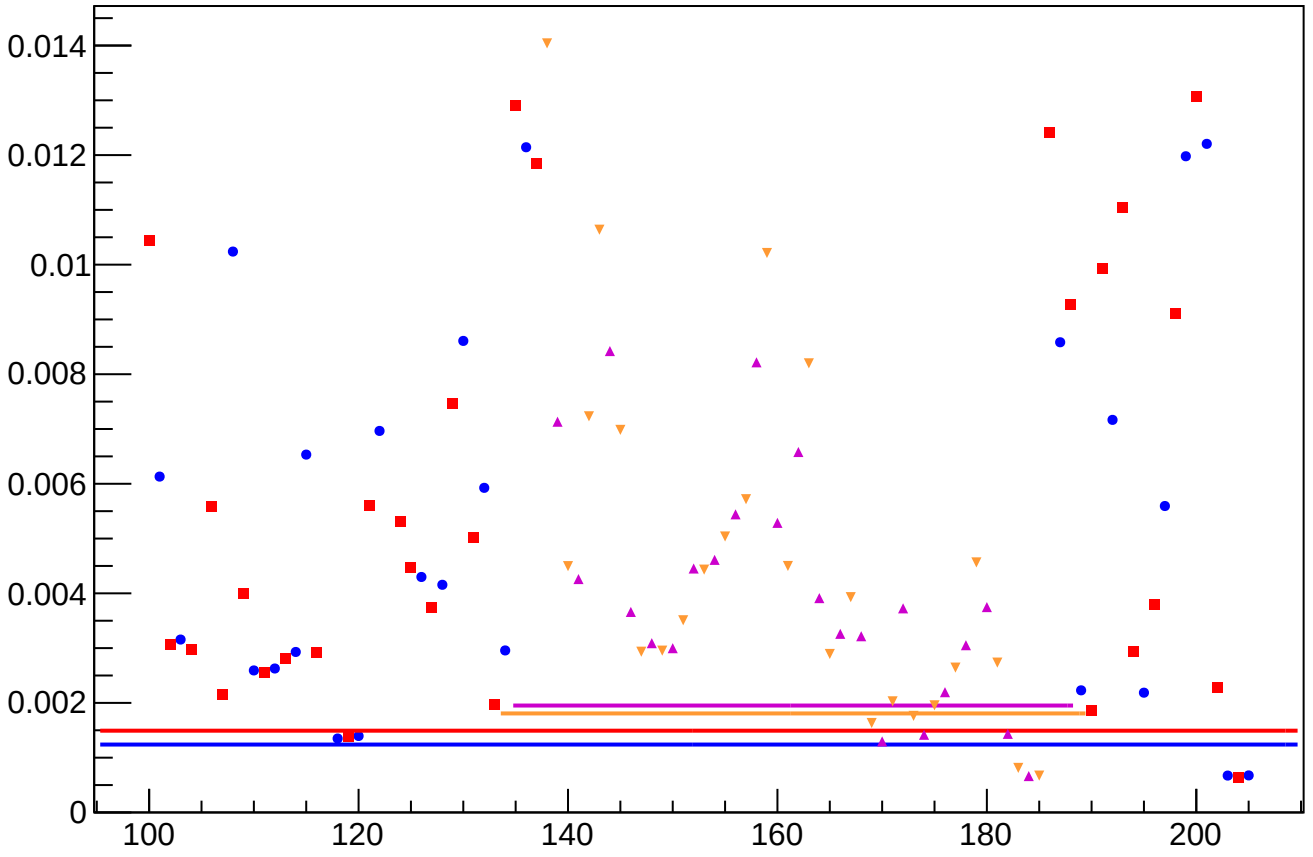
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.0/49

All: 0.000+/-0.000 χ^2/NDF: 107.0/102

- sign 0.000+/-0.000 χ^2/NDF: 39.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

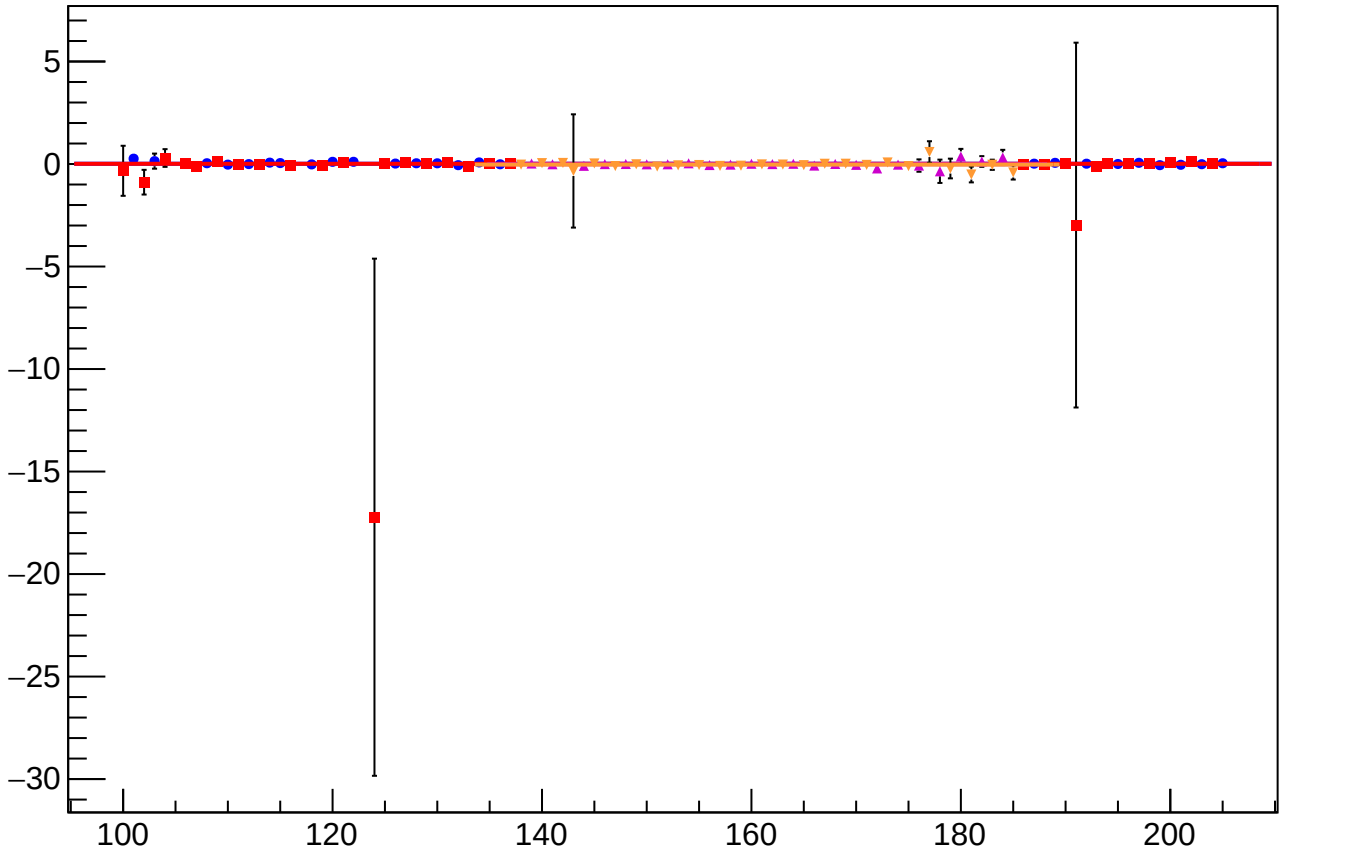
Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 30091789.6/49

All: 0.002+/-0.000 χ^2/NDF: 57416925.1/102

- sign 0.002+/-0.000 χ^2/NDF: 27047236.6/52



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

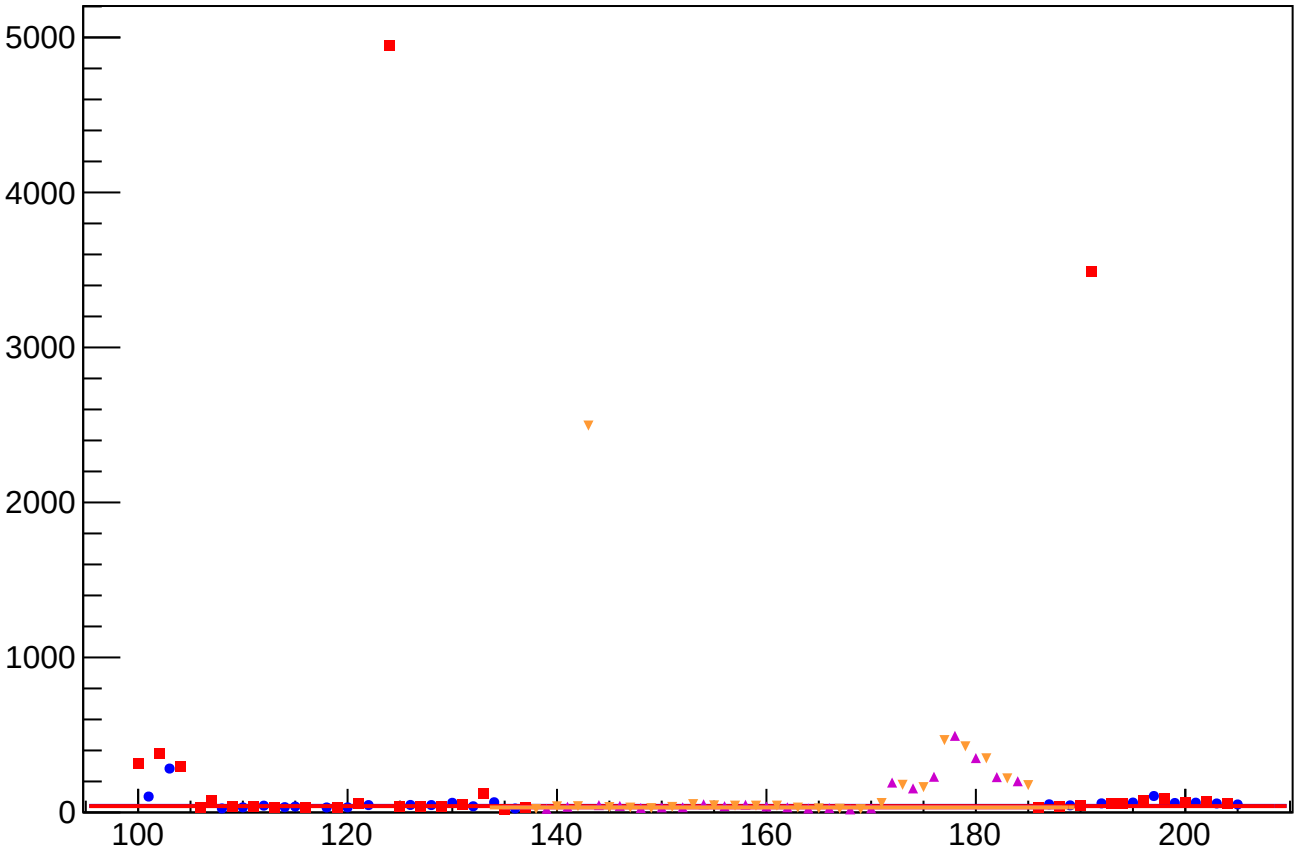
Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

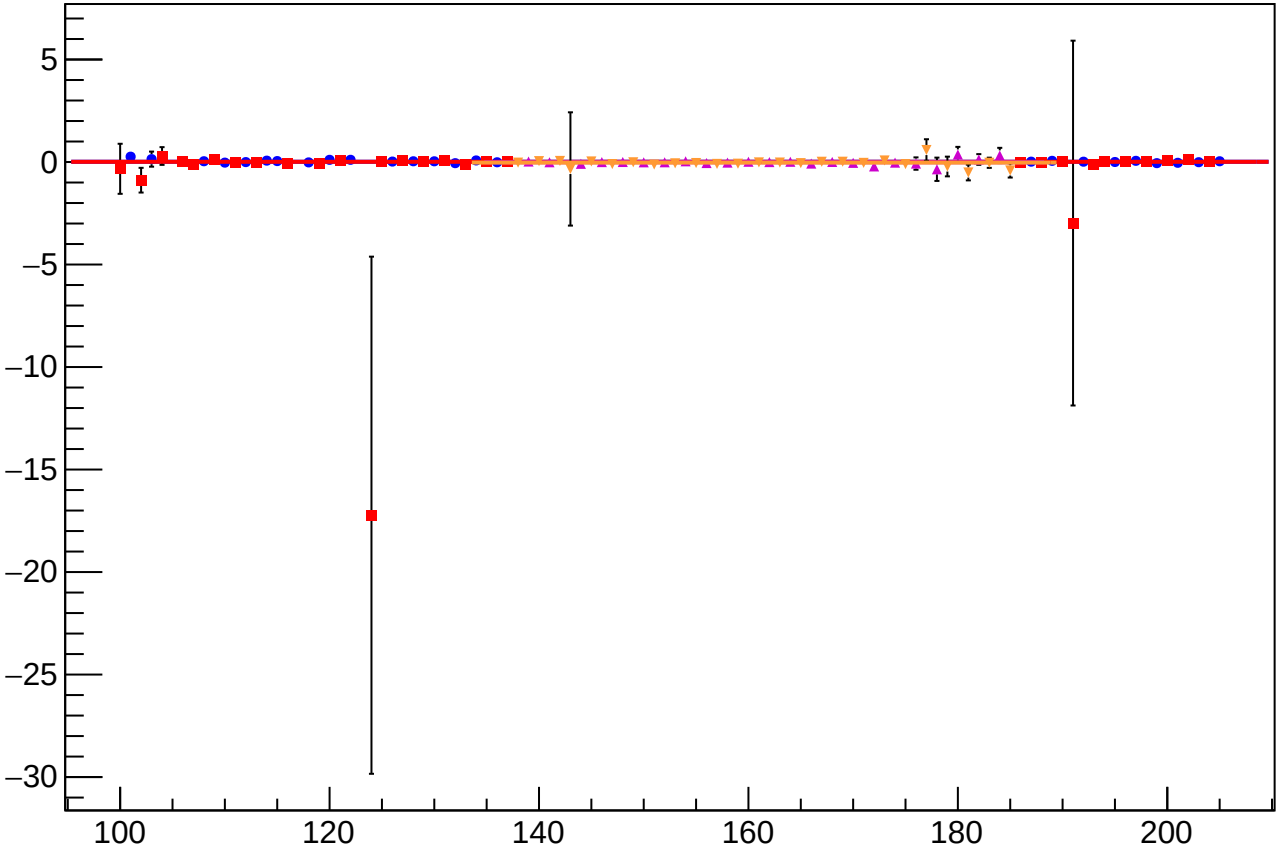
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

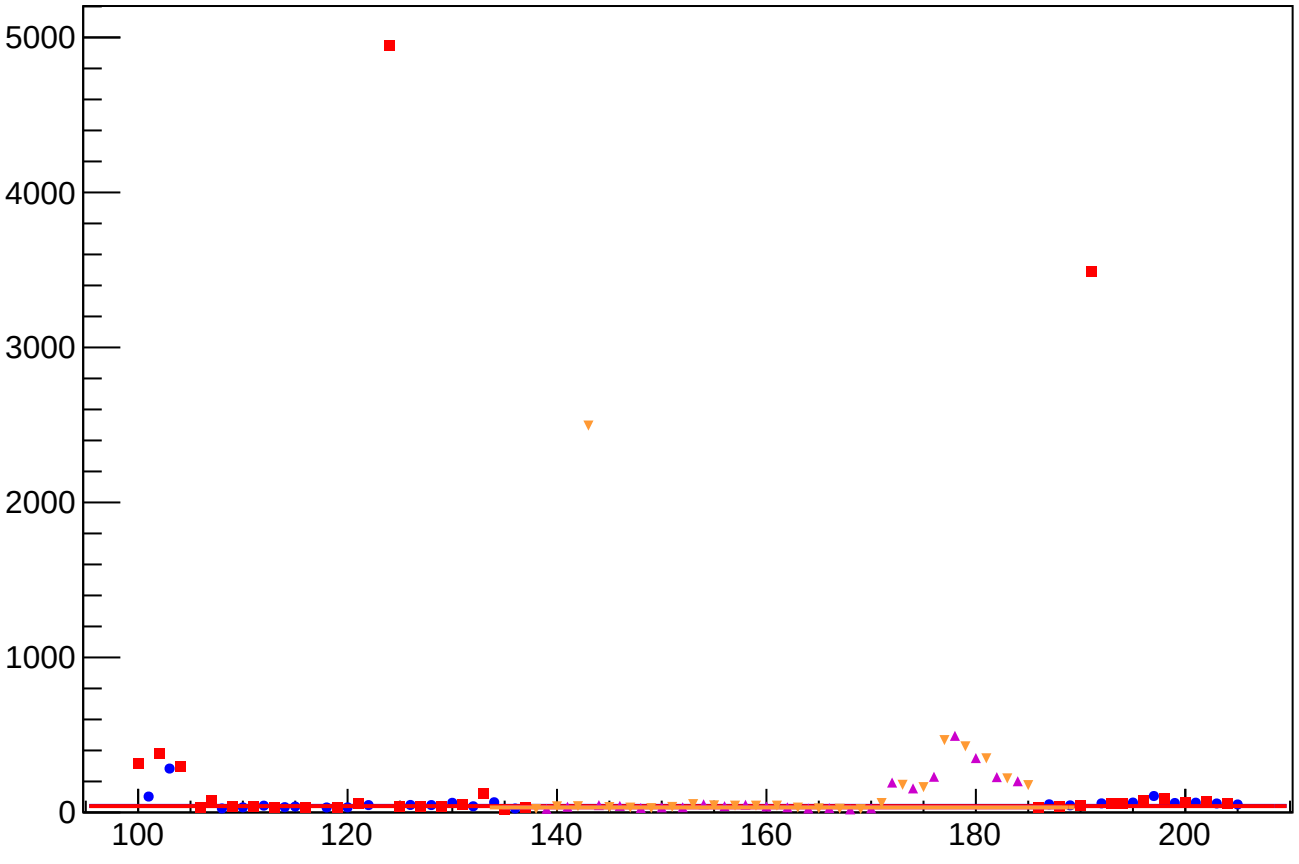
Right Out: 0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/102

- sign -0.003+/-0.008 χ^2/NDF: 37.4/52



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

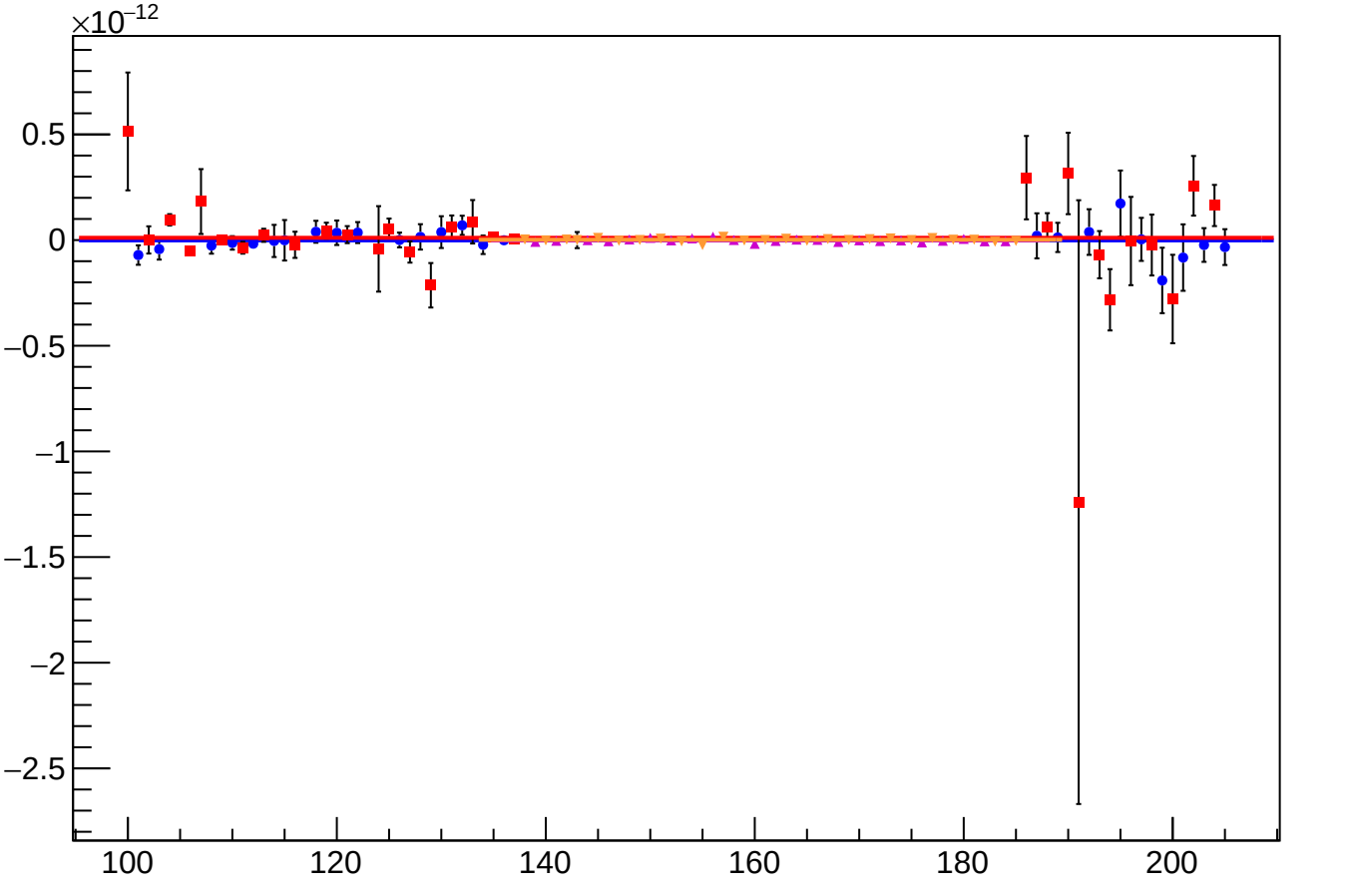
Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102

- sign 35.755+/-0.005 χ^2/NDF: 14887101.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

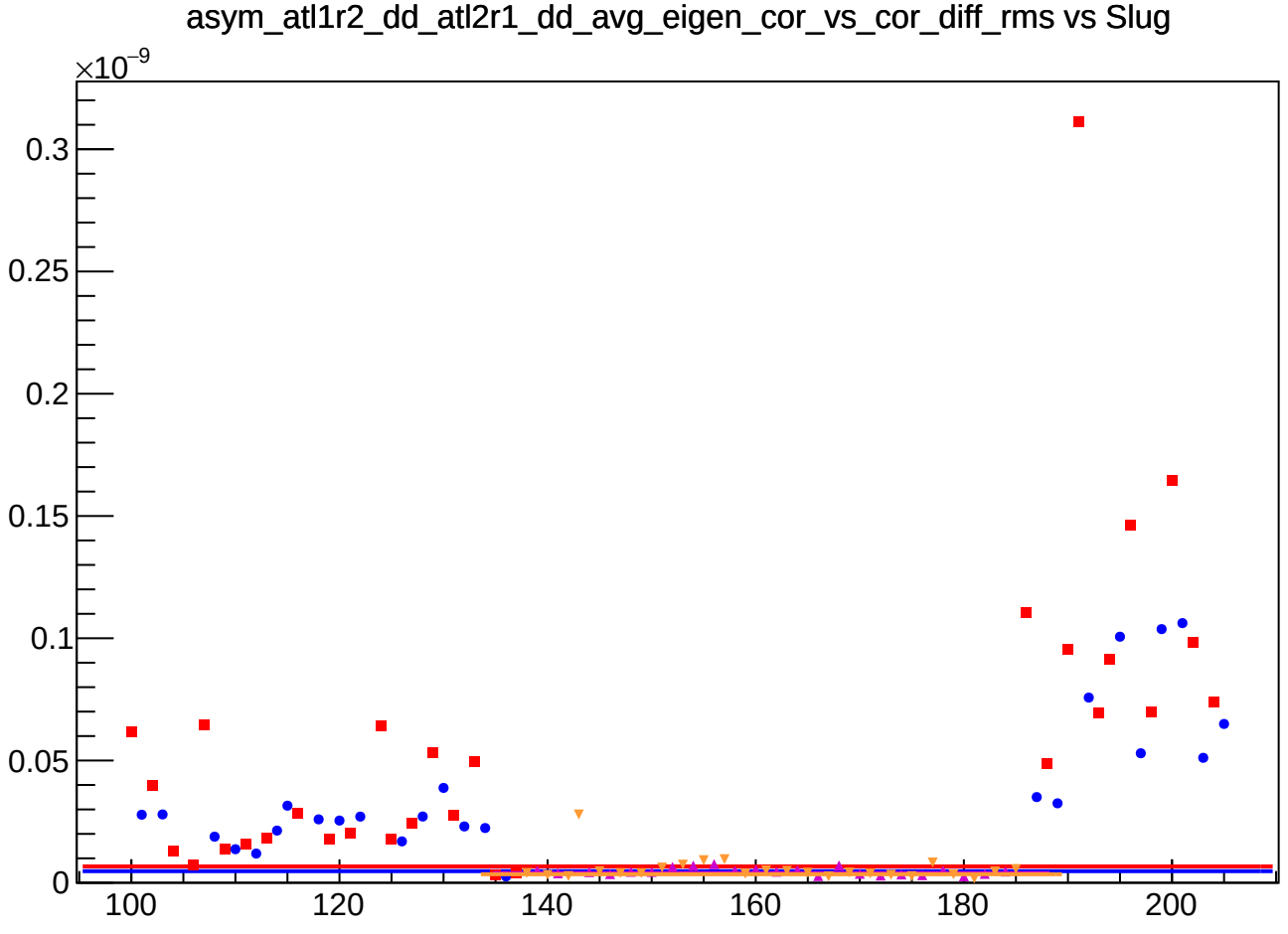
Right Out: 0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/49

All: 0.000+/-0.000 χ^2/NDF: 126.3/102

- sign -0.000+/-0.000 χ^2/NDF: 94.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

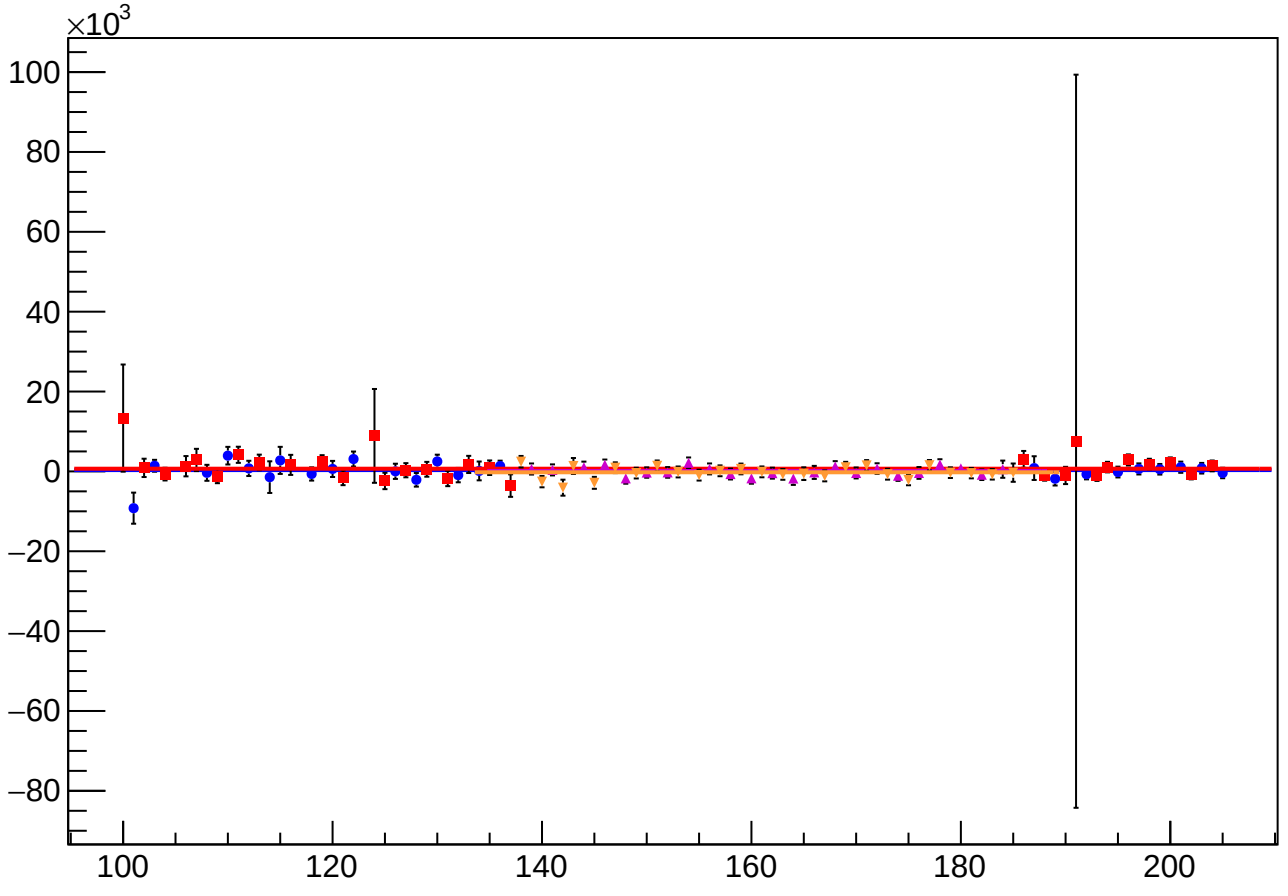
Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15950624.7/49

All: 0.000+/-0.000 χ^2/NDF: 31475108.9/102

- sign 0.000+/-0.000 χ^2/NDF: 15243358.0/52



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 671.748+/-331.777 χ^2/NDF: 27.3/29

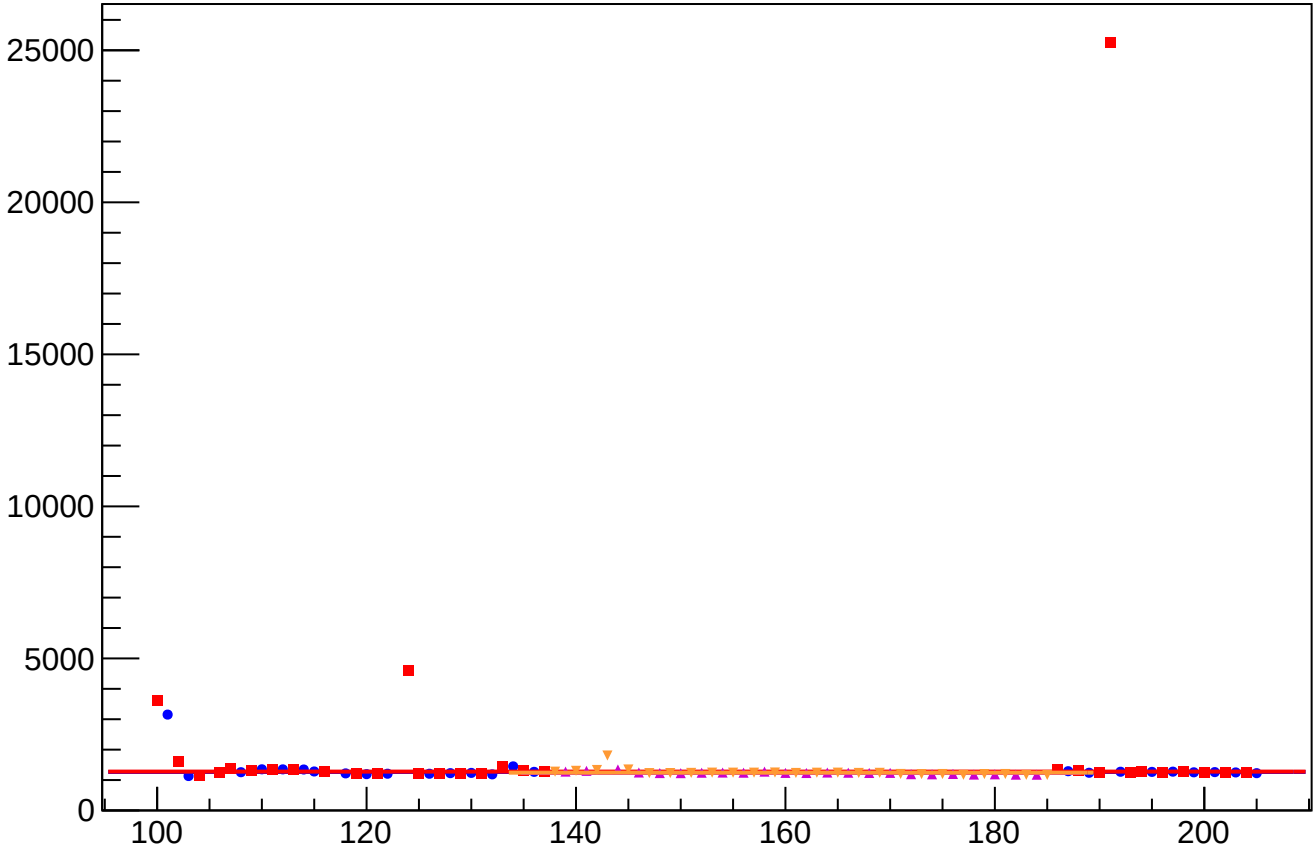
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 3.915+/-217.608 χ^2/NDF: 46.0/49

All: 172.762+/-153.863 χ^2/NDF: 90.9/102

- sign 341.570+/-217.583 χ^2/NDF: 43.8/52

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

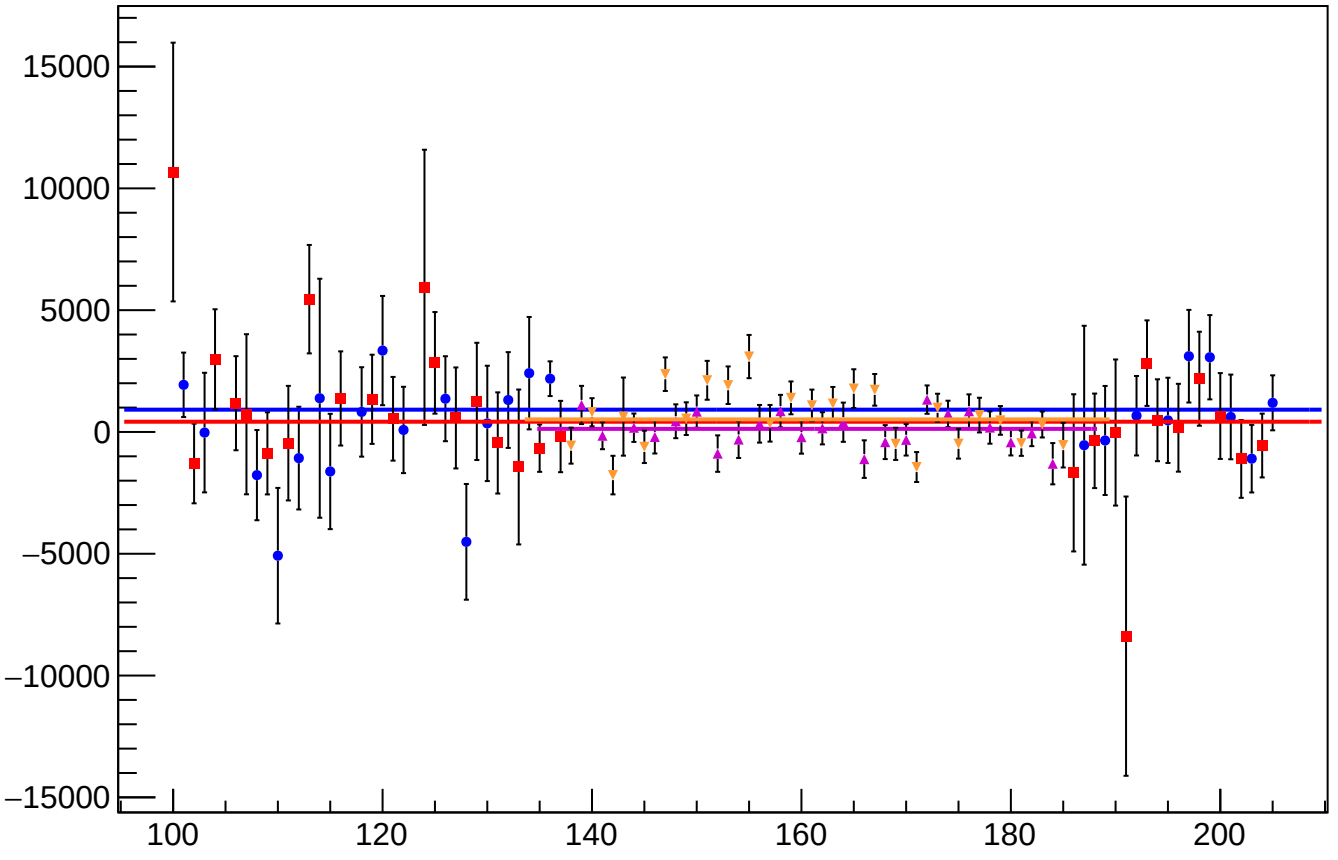
Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731138.6/49

All: 1252.304+/-0.109 χ^2/NDF: 1261125.4/10

- sign 1252.652+/-0.154 χ^2/NDF: 529976.6/52



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

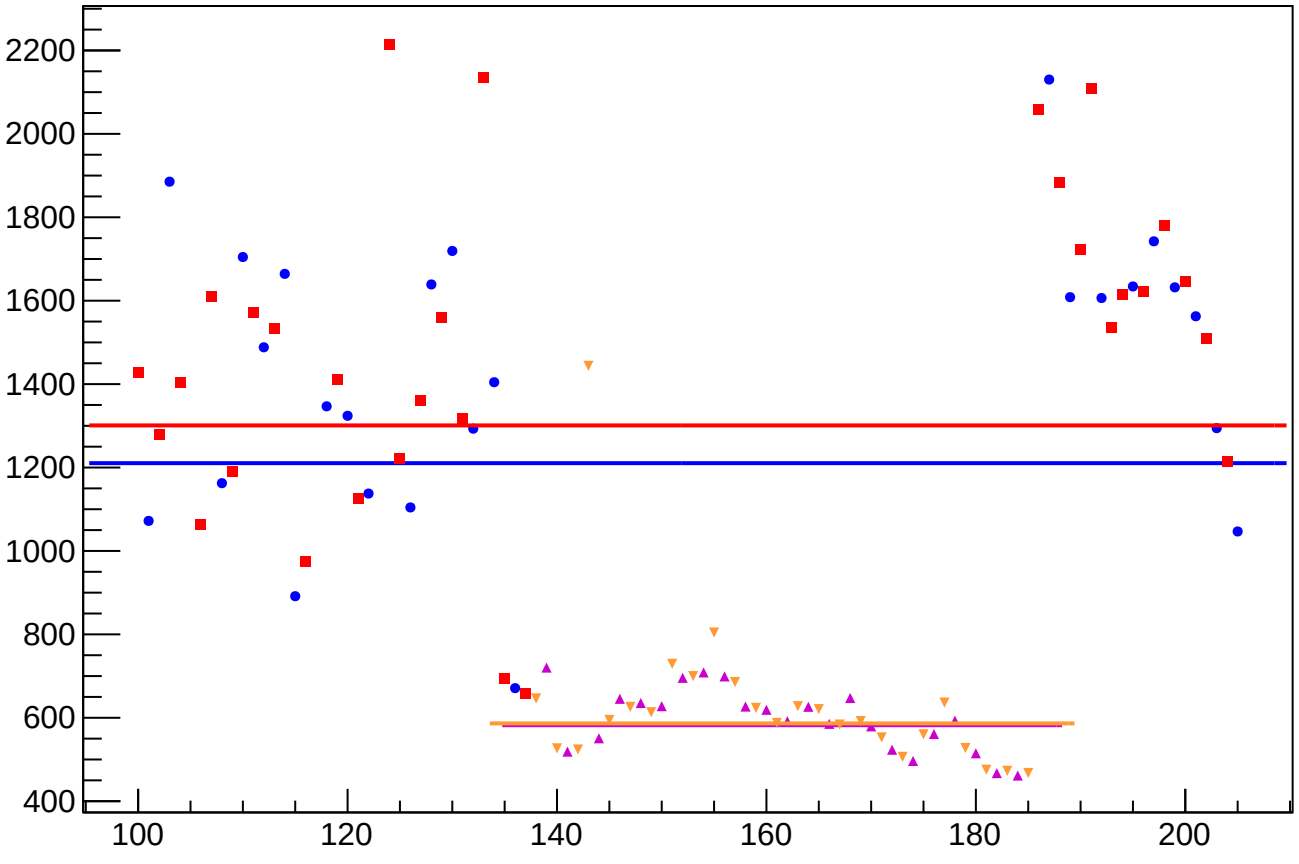
Right Out: 420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 571.856+/-126.015 χ^2/NDF: 93.7/49

All: 371.655+/-89.705 χ^2/NDF: 145.4/102

\- sign 165.975+/-127.727 χ^2/NDF: 46.6/52



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

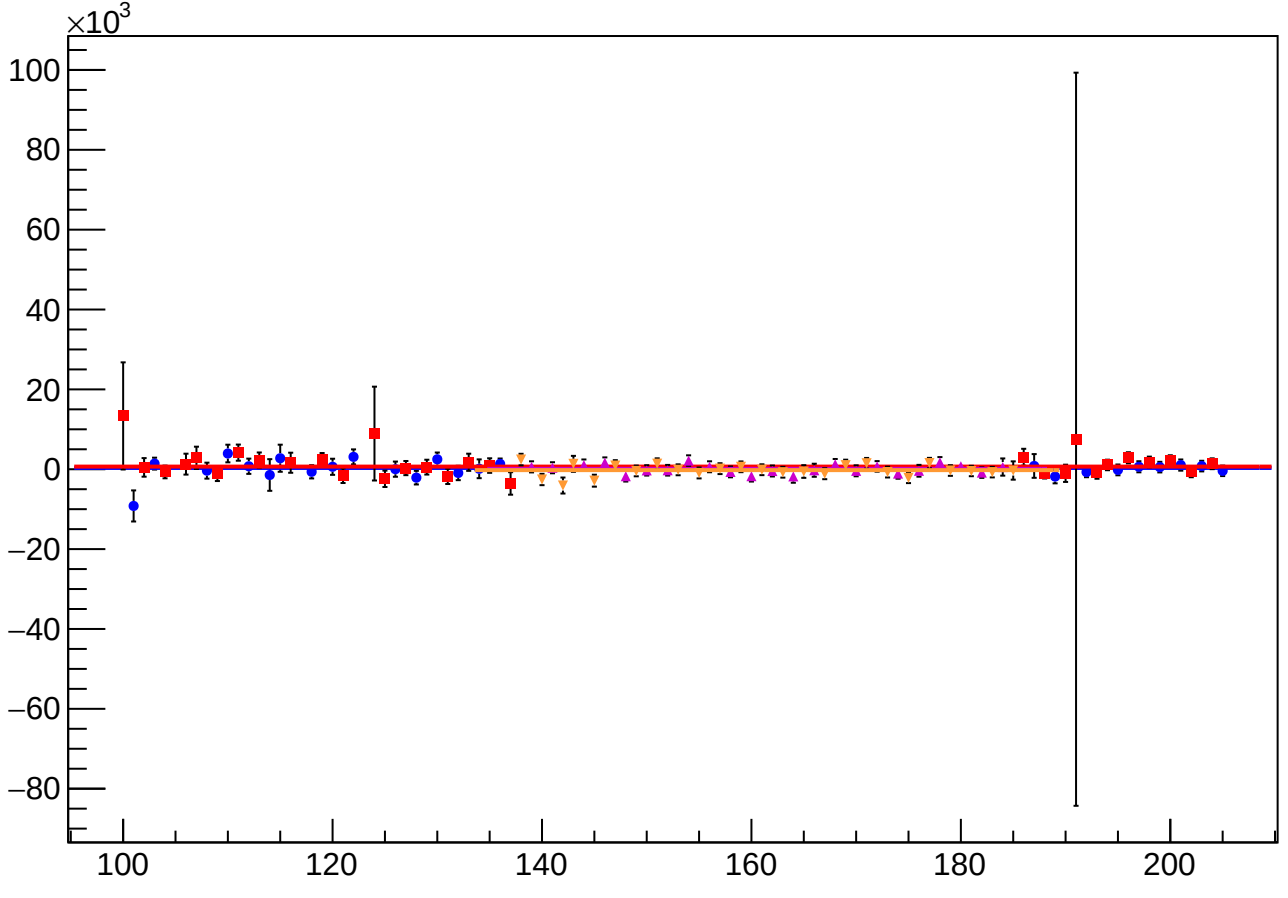
Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

\+ sign 672.807+/-0.089 χ^2/NDF: 9491604.9/49

All: 675.674+/-0.063 χ^2/NDF: 19769631.2/10

\- sign 678.619+/-0.090 χ^2/NDF: 10275927.7/52



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

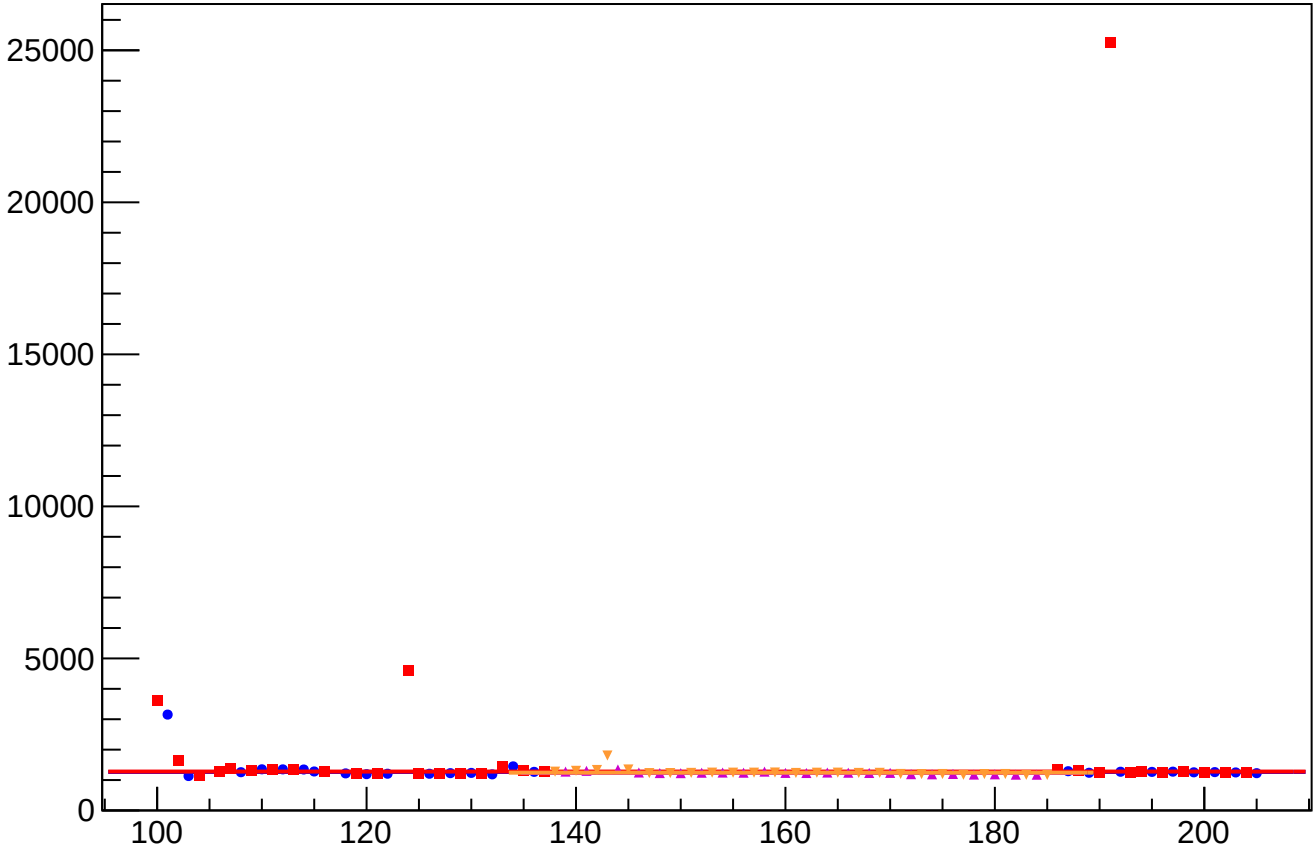
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 170.602+/-153.890 χ^2/NDF: 90.8/102

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

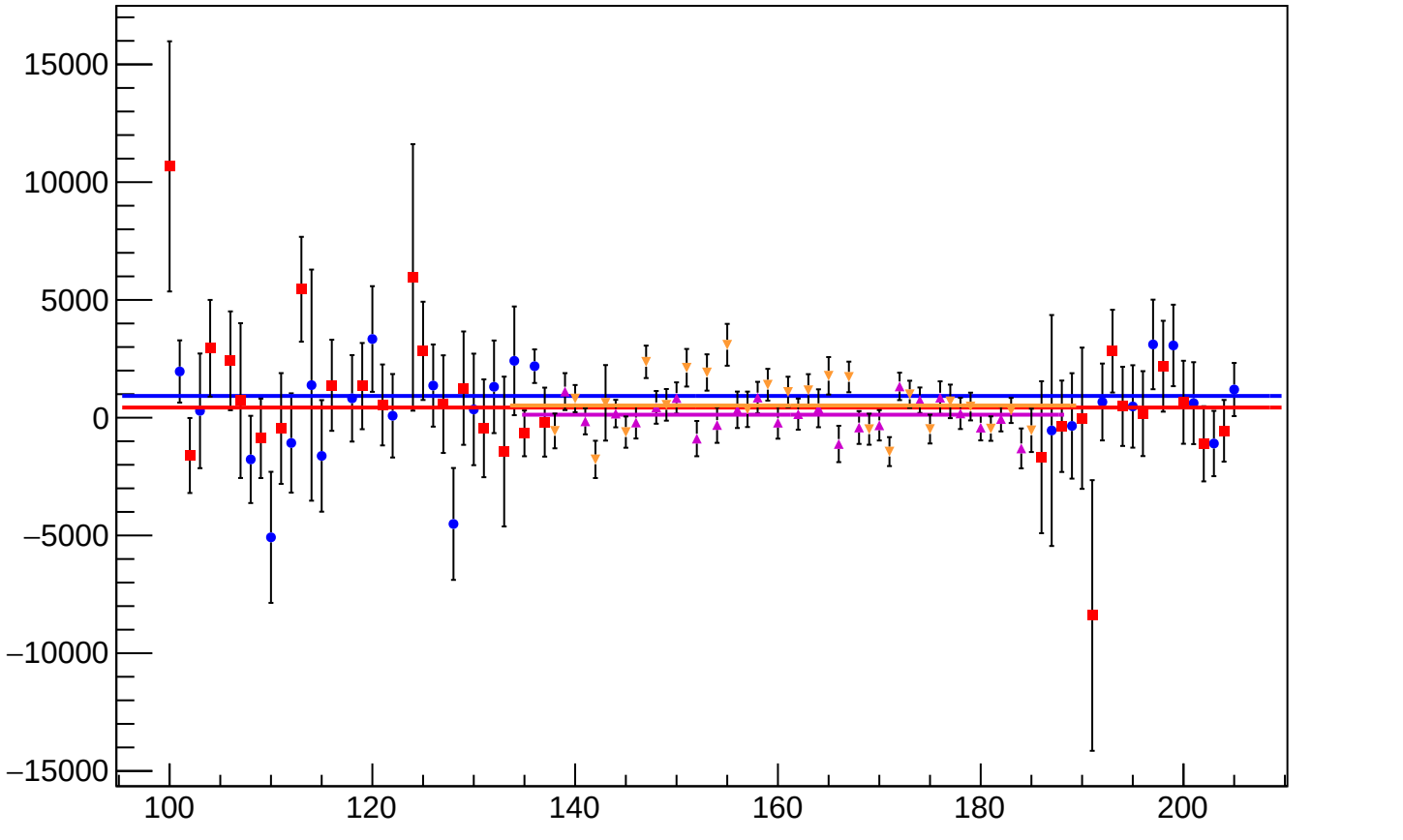
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

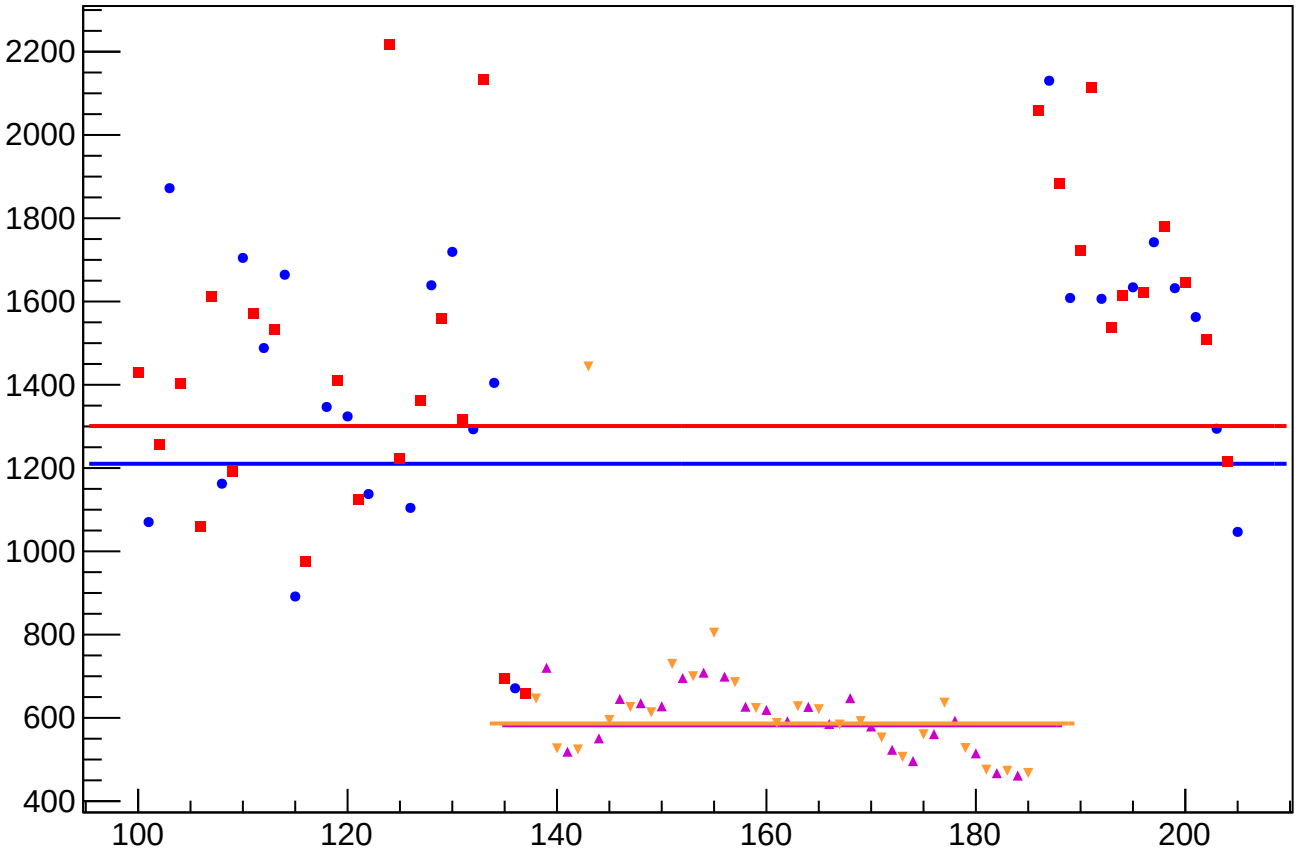
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 372.920+/-89.711 χ^2/NDF: 146.7/102

\- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

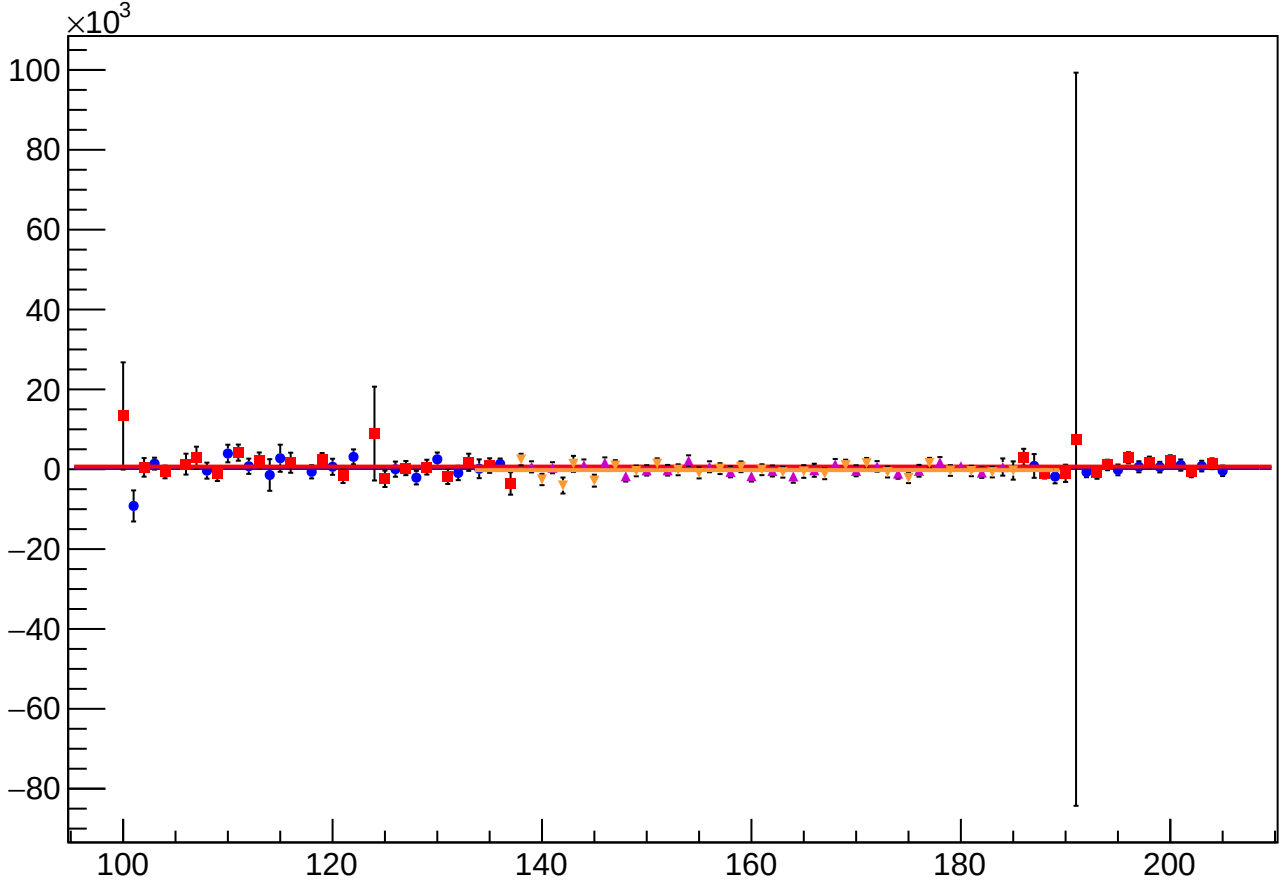
Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

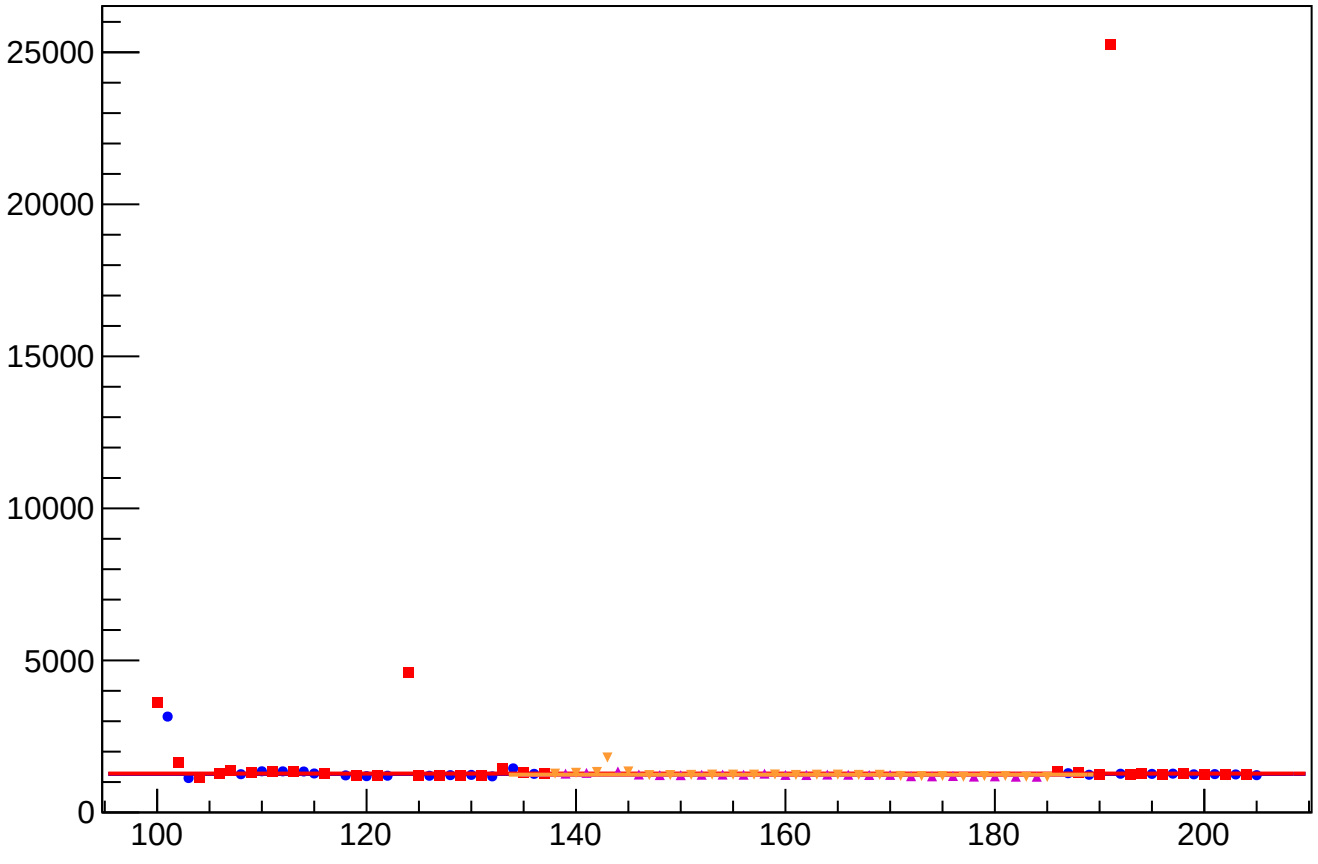
Right Out: 662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 170.602+/-153.890 χ^2/NDF: 90.8/102

- sign 337.296+/-217.658 χ^2/NDF: 43.7/52



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

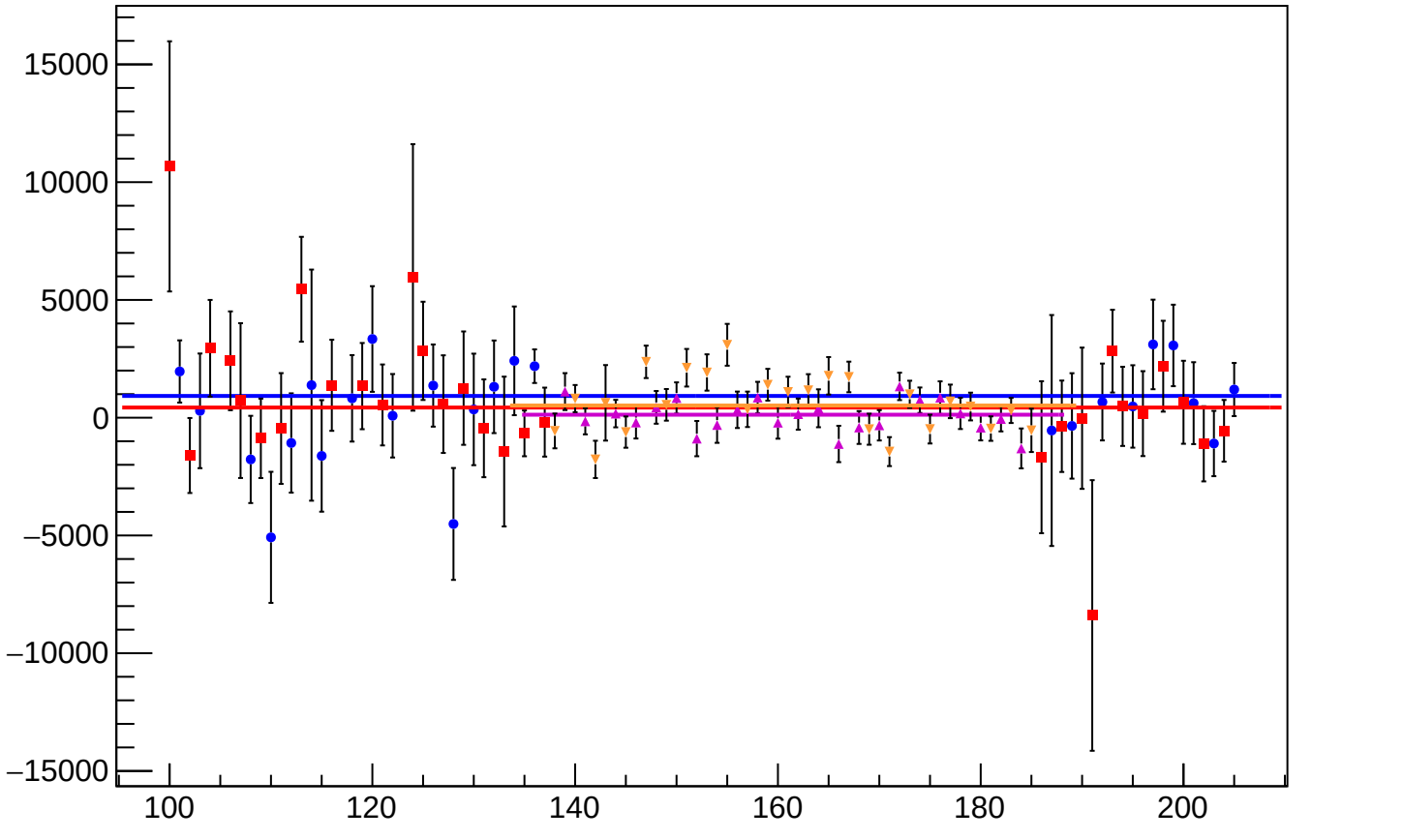
Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10

- sign 1253.099+/-0.154 χ^2/NDF: 537818.2/52



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

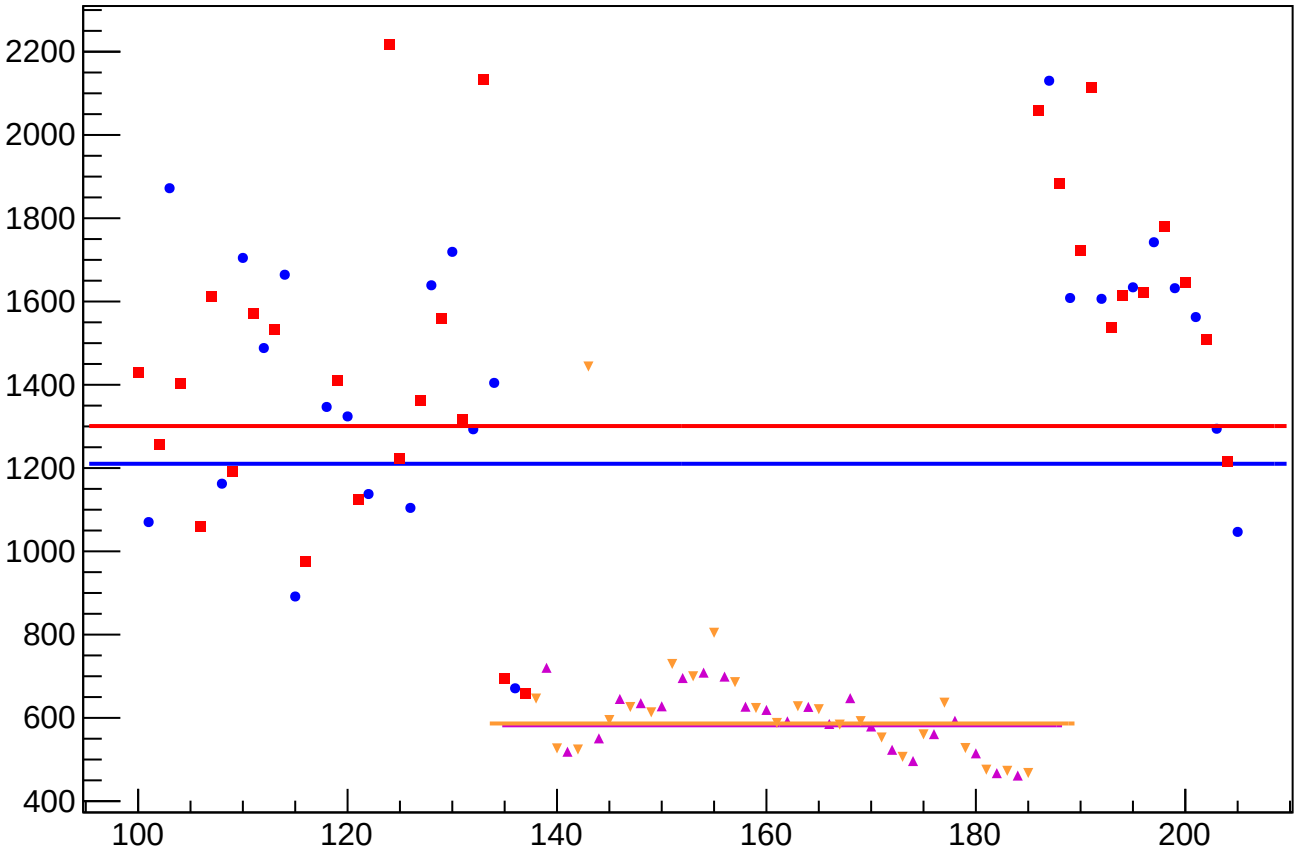
Right Out: 430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 372.920+/-89.711 χ^2/NDF: 146.7/102

- sign 167.300+/-127.748 χ^2/NDF: 47.9/52



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

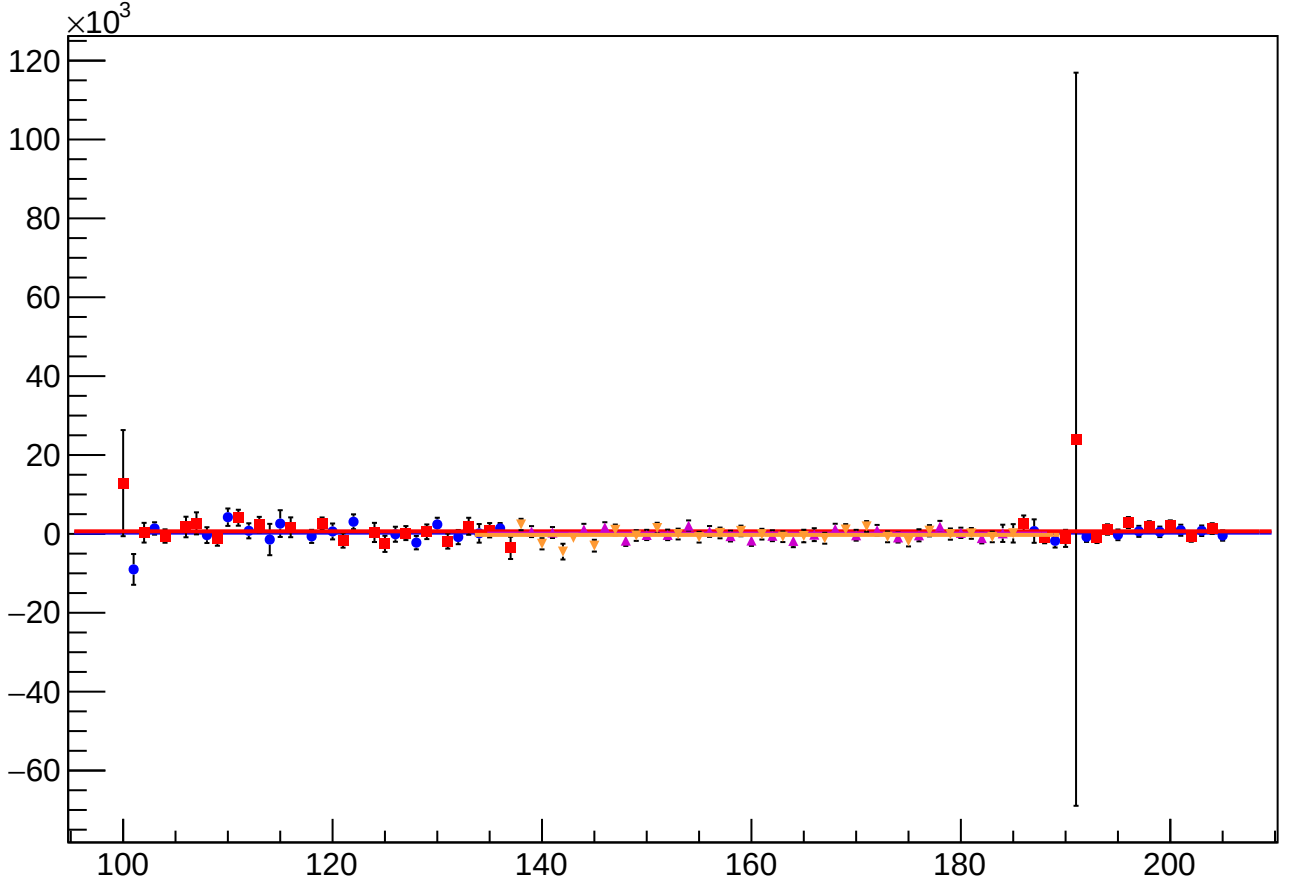
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10

- sign 678.407+/-0.090 χ^2/NDF: 10257047.3/52

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.324+/-330.942 χ^2/NDF: 26.8/29

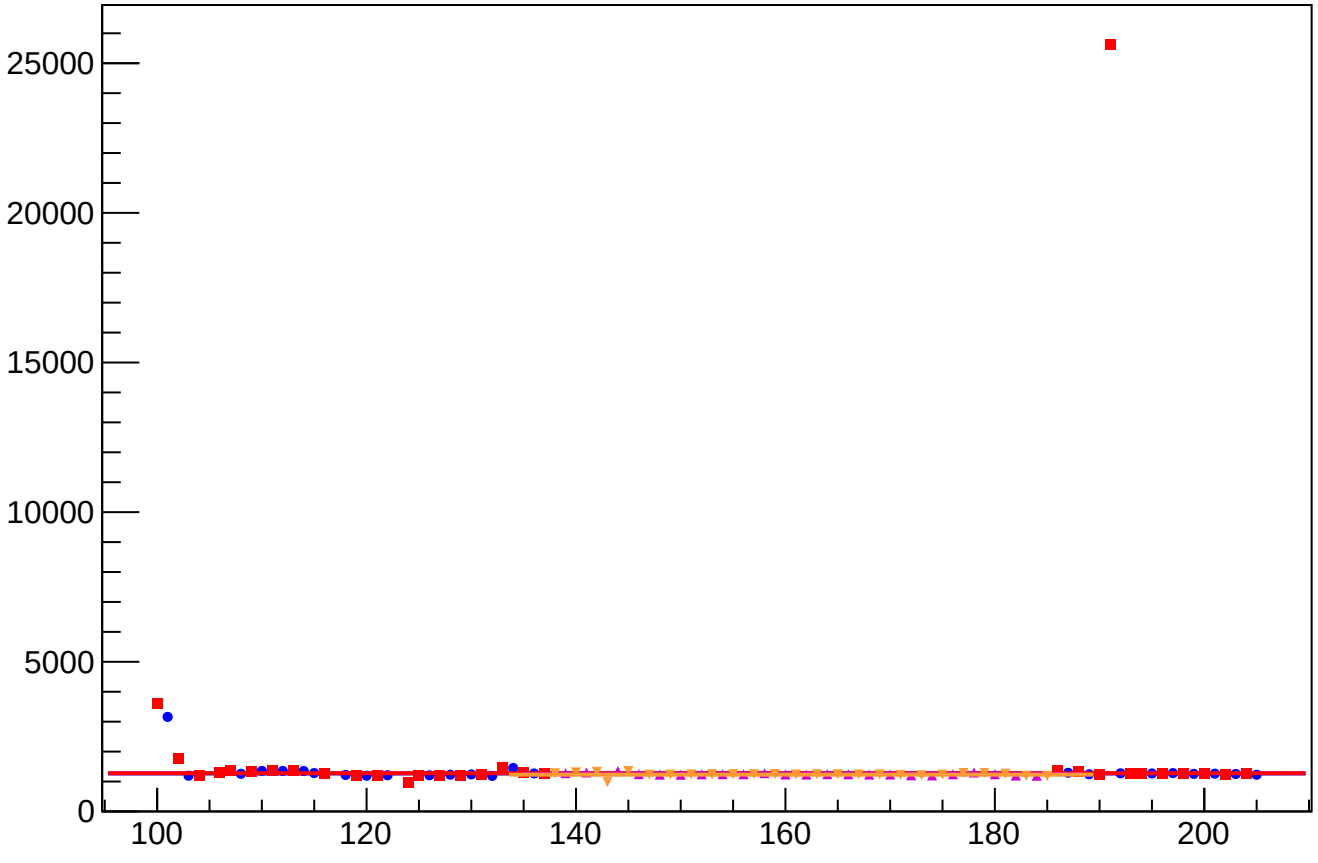
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 150.141+/-153.874 χ^2/NDF: 90.0/102

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

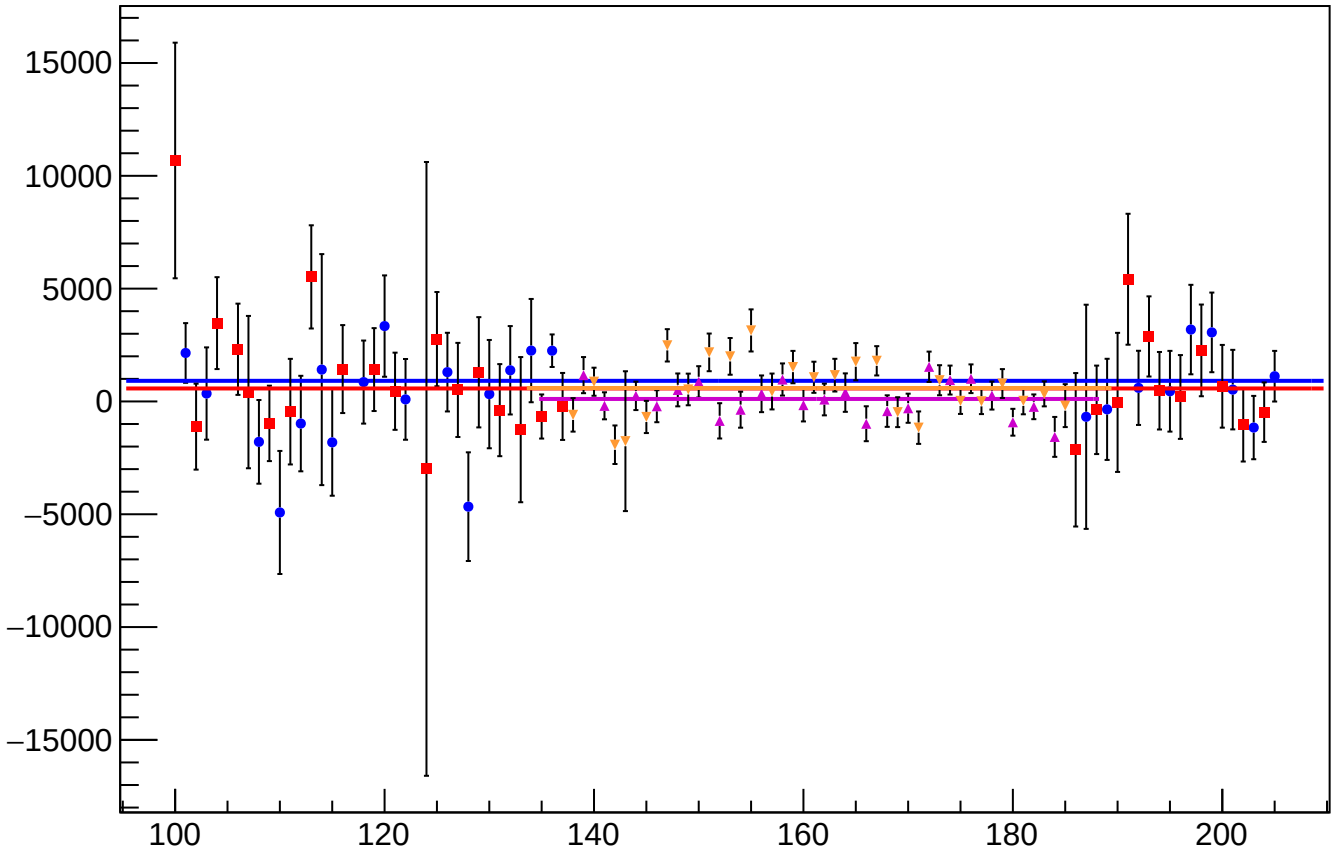
Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670087.7/49

All: 1253.201+/-0.109 χ^2/NDF: 1080413.2/10

- sign 1260.375+/-0.155 χ^2/NDF: 406066.3/52



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

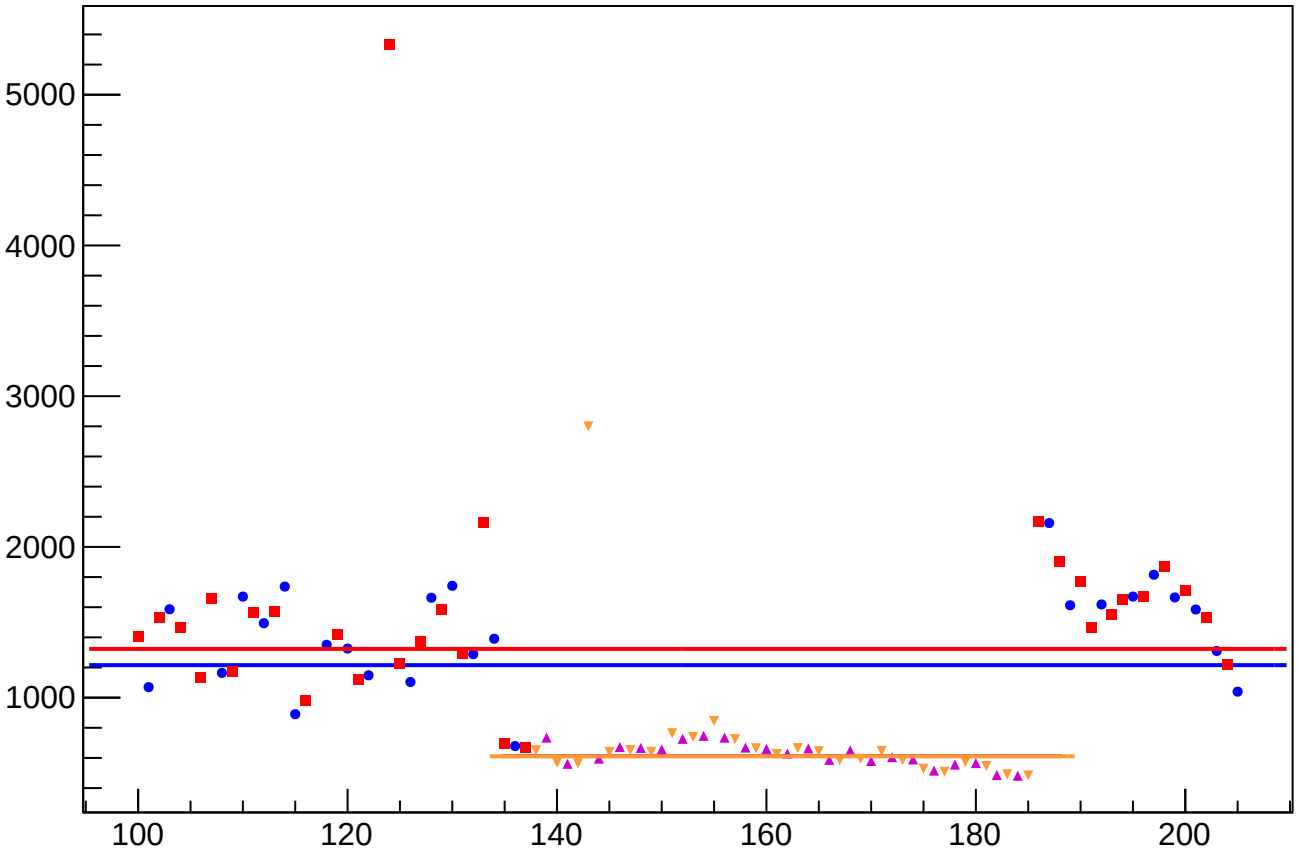
Right Out: 574.936+/-353.530 χ^2/NDF: 24.9/29

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 413.742+/-93.566 χ^2/NDF: 142.4/102

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

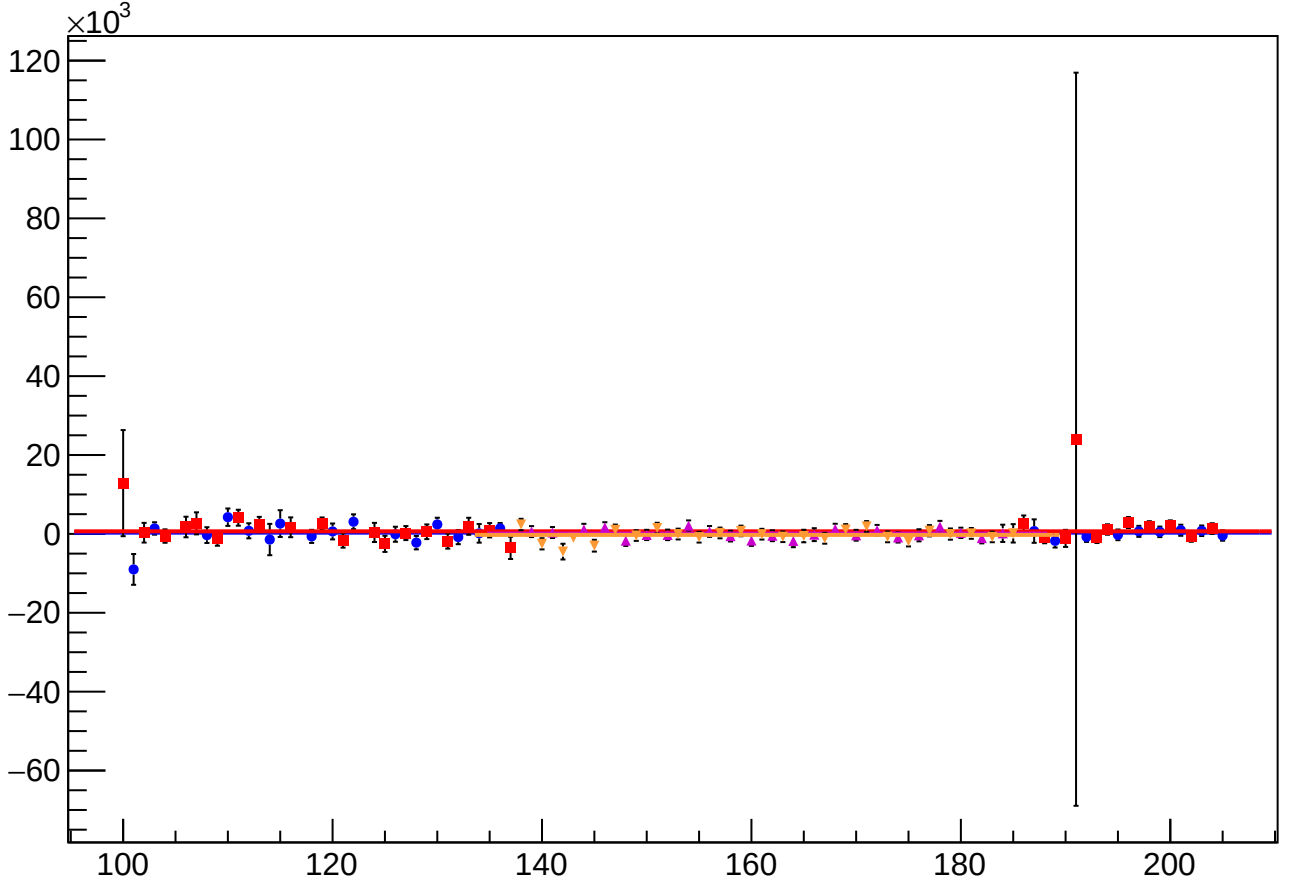
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

\+ sign 701.031+/-0.093 χ^2/NDF: 9399485.1/49

All: 707.335+/-0.066 χ^2/NDF: 19429449.9/10

\- sign 713.873+/-0.094 χ^2/NDF: 10020549.9/52

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 652.325+/-330.942 χ^2/NDF: 26.8/29

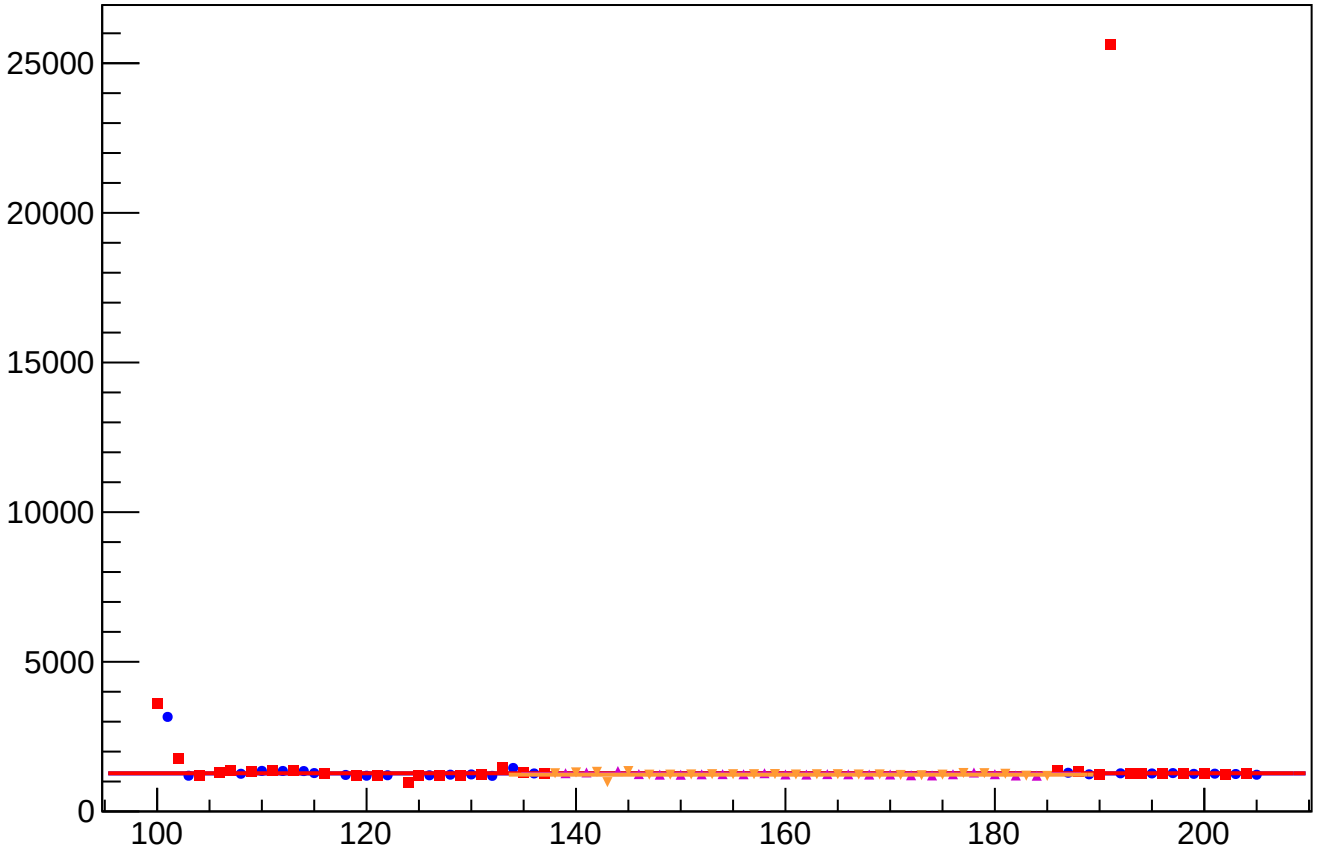
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 150.140+/-153.874 χ^2/NDF: 90.0/102

- sign 327.118+/-218.726 χ^2/NDF: 42.5/52

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

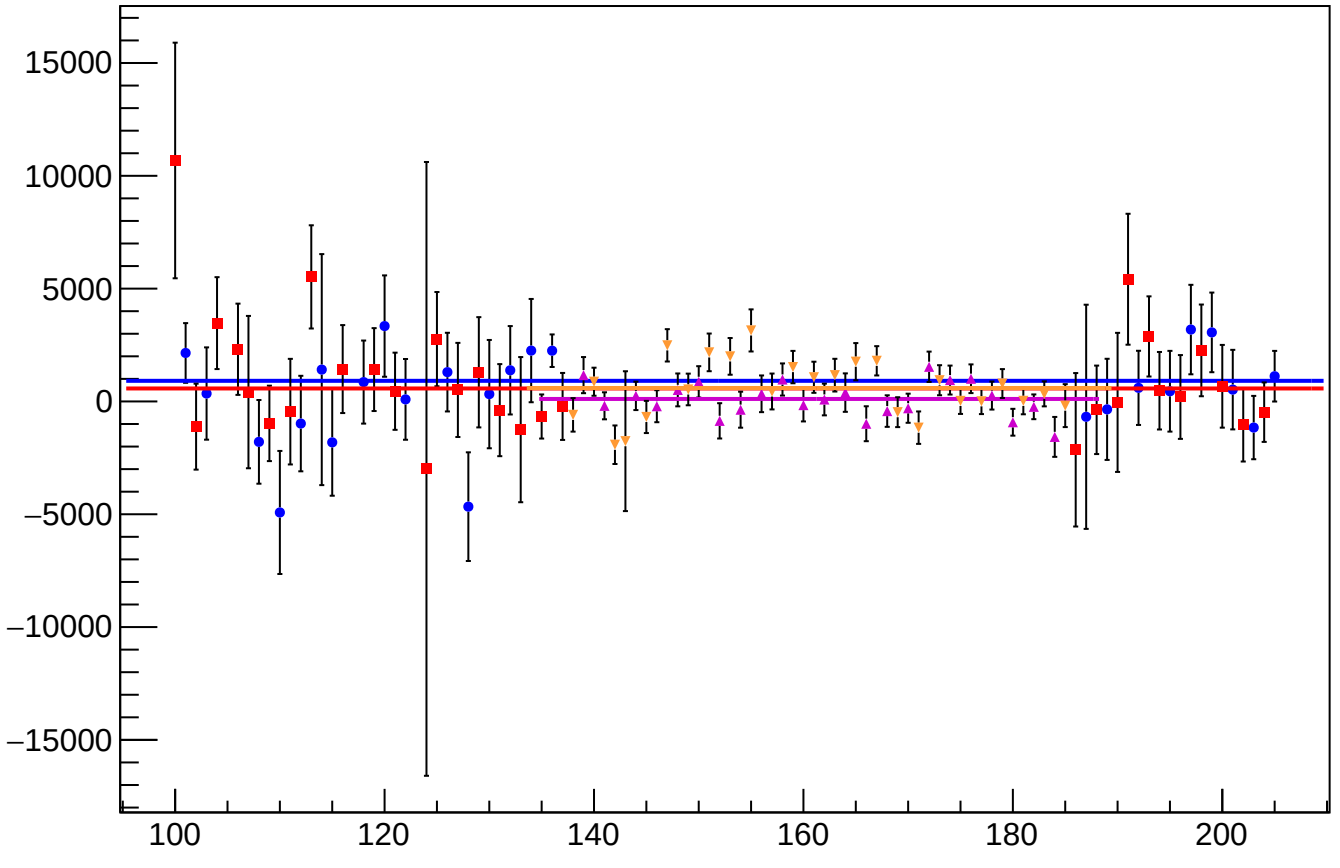
Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670086.9/49

All: 1253.201+/-0.109 χ^2/NDF: 1080412.2/10

- sign 1260.374+/-0.155 χ^2/NDF: 406066.1/52



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

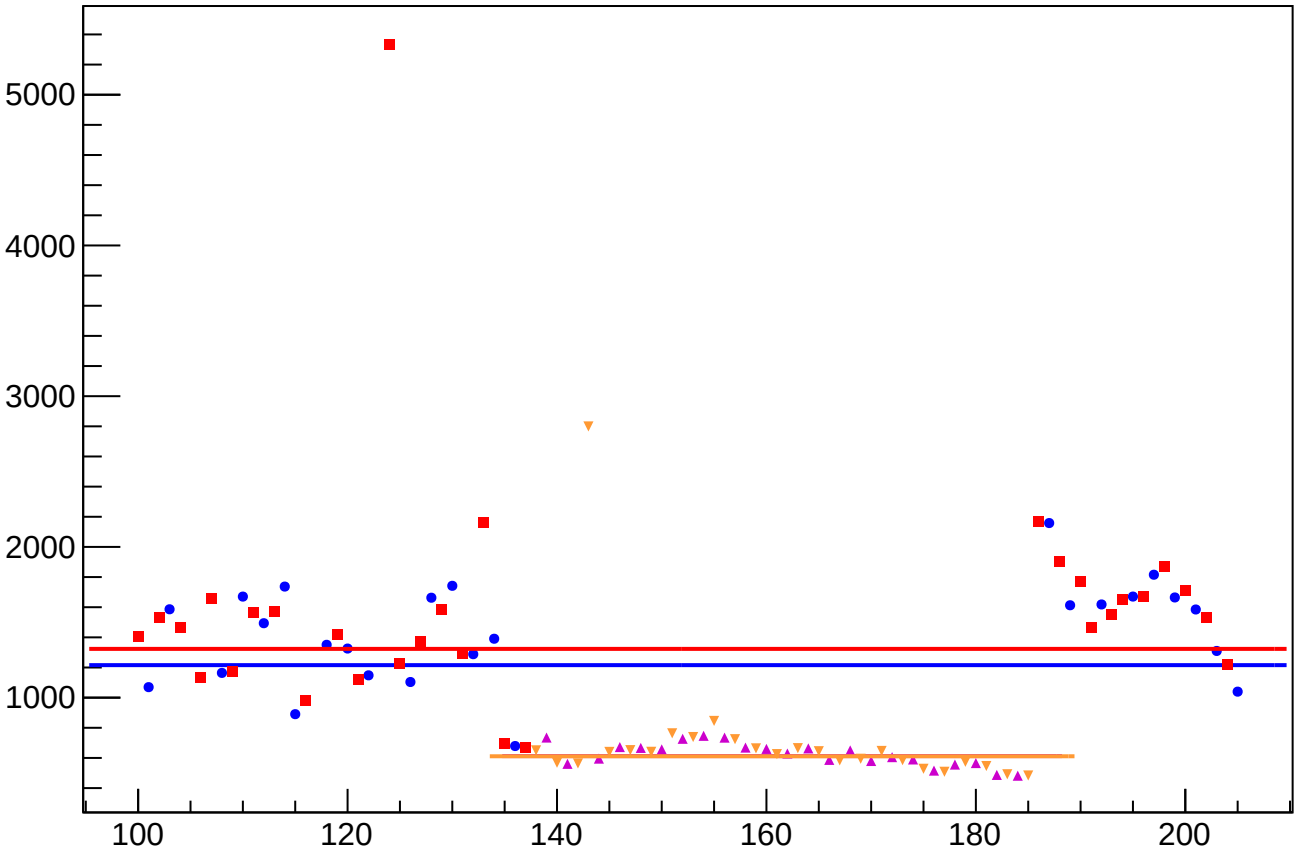
Right Out: 574.944+/-353.531 χ^2/NDF: 24.9/29

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 413.741+/-93.566 χ^2/NDF: 142.4/102

- sign 176.560+/-133.546 χ^2/NDF: 52.1/52



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

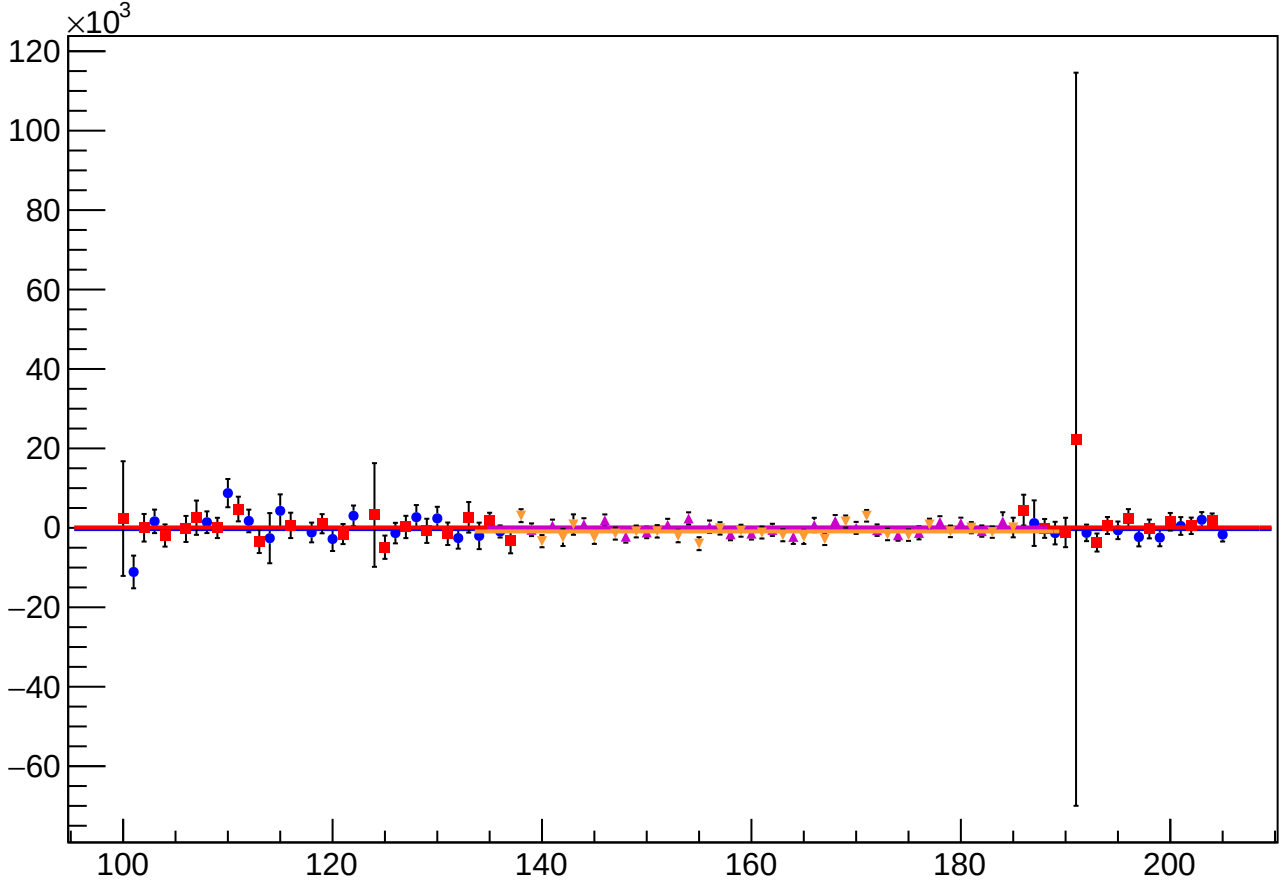
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 701.031+/-0.093 χ^2/NDF: 9399466.7/49

All: 707.335+/-0.066 χ^2/NDF: 19429442.9/10

- sign 713.872+/-0.094 χ^2/NDF: 10020562.0/52

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 103.218+/-509.365 χ^2/NDF: 17.2/29

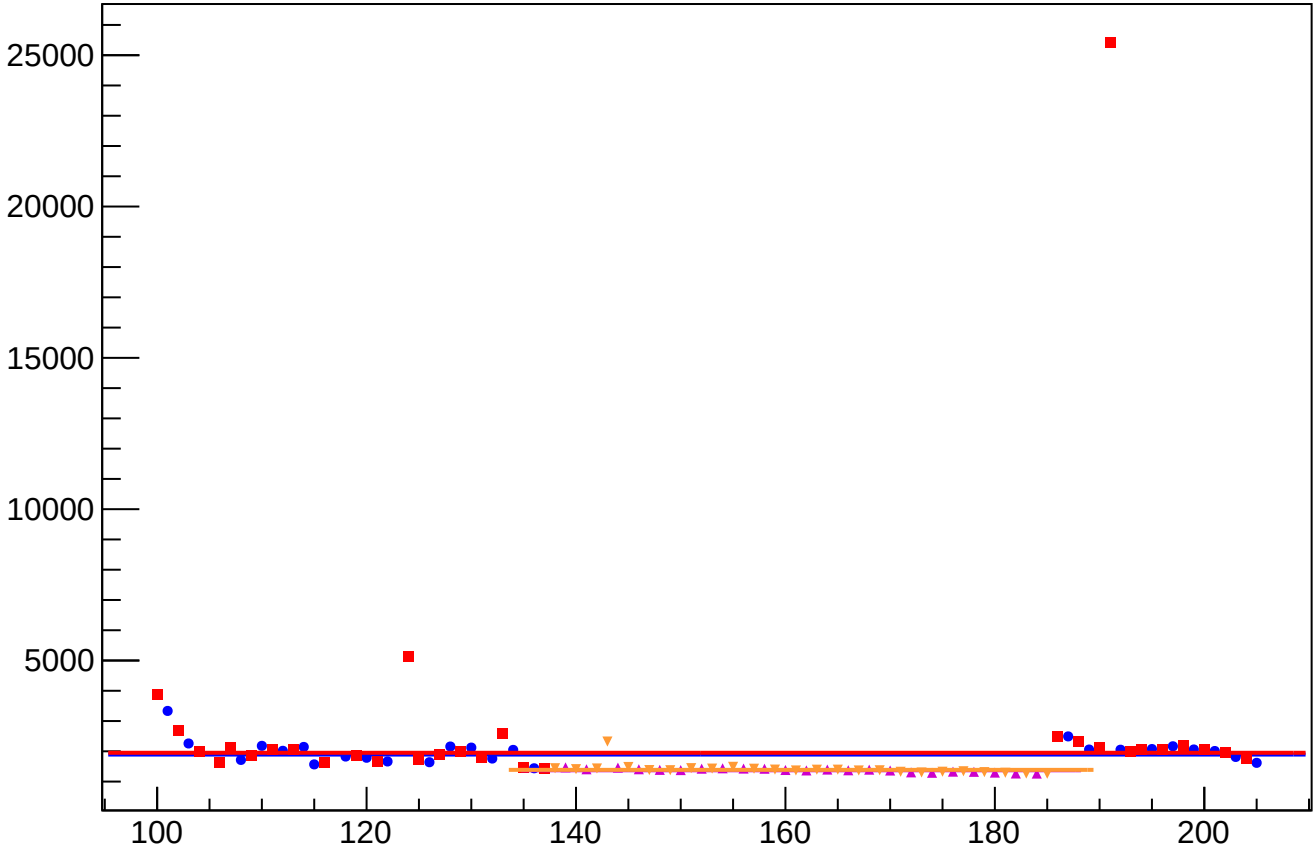
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -737.315+/-269.110 χ^2/NDF: 56.7/49

All: -374.511+/-191.139 χ^2/NDF: 95.5/102

- sign -5.156+/-271.528 χ^2/NDF: 35.1/52

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

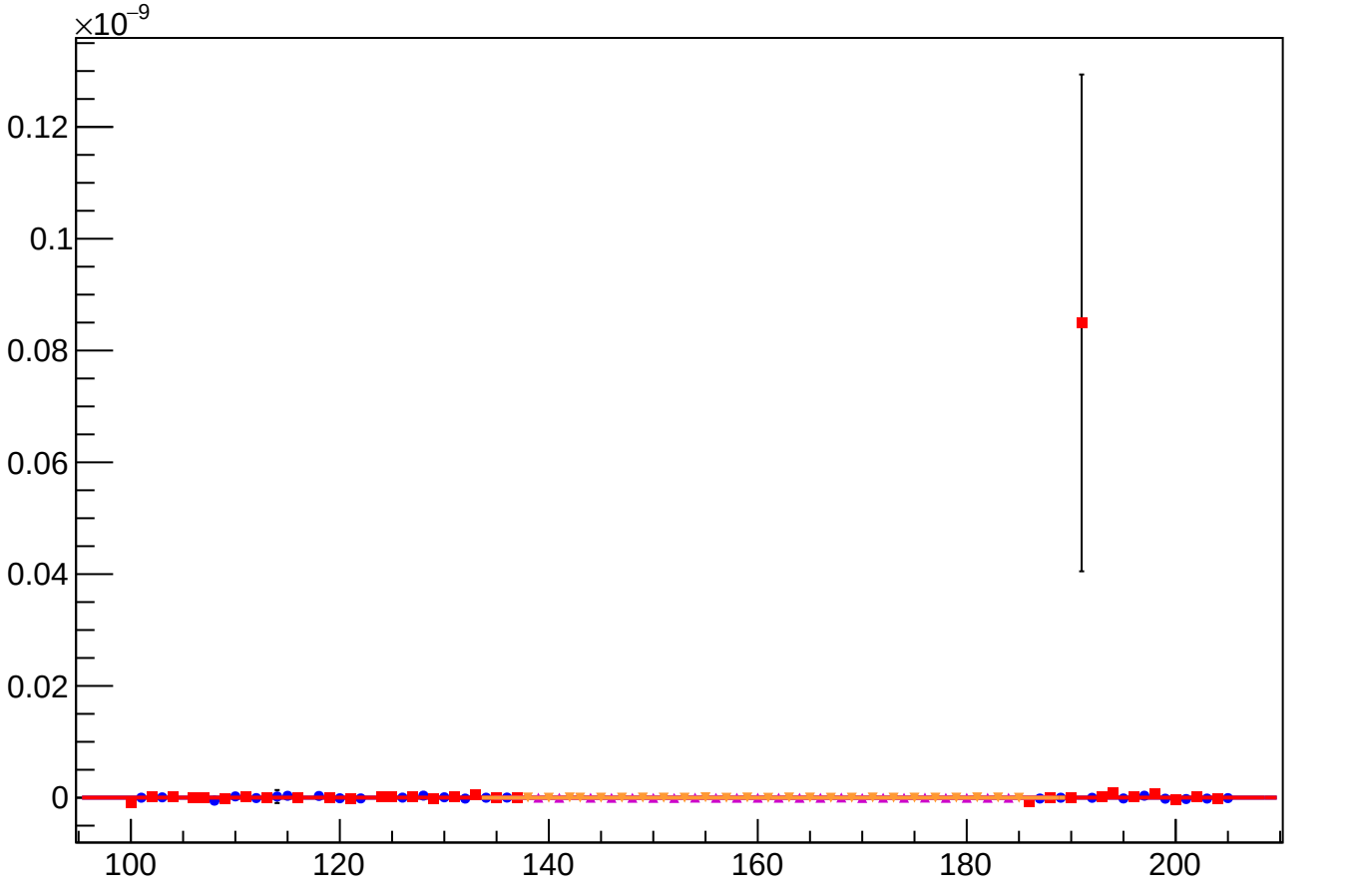
Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1526.800+/-0.190 χ^2/NDF: 2472442.6/49

All: 1532.103+/-0.135 χ^2/NDF: 5219126.4/10

- sign 1537.503+/-0.192 χ^2/NDF: 2745116.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

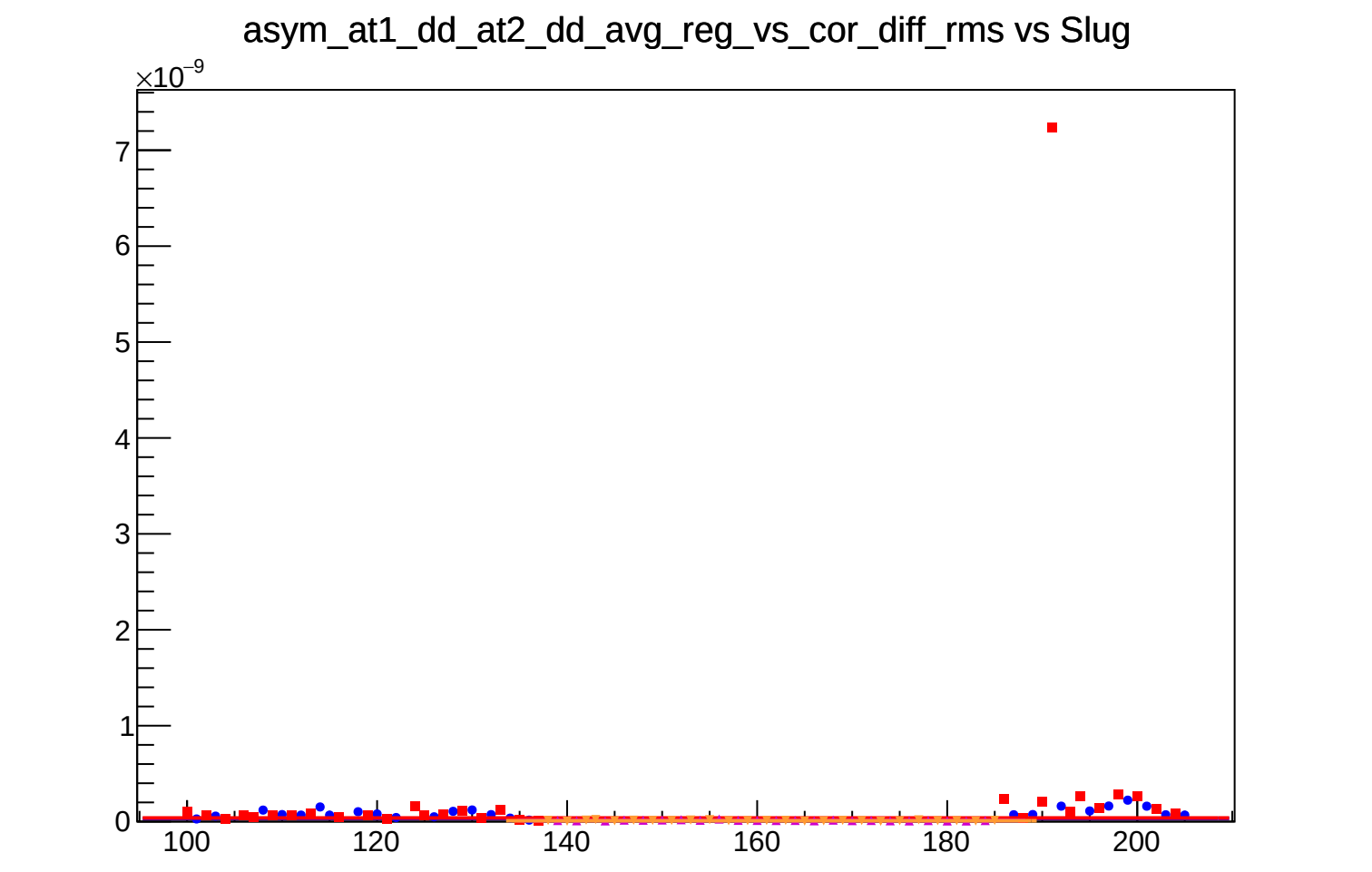
Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/49

All: 0.000+/-0.000 χ^2/NDF: 108.0/102

- sign -0.000+/-0.000 χ^2/NDF: 60.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

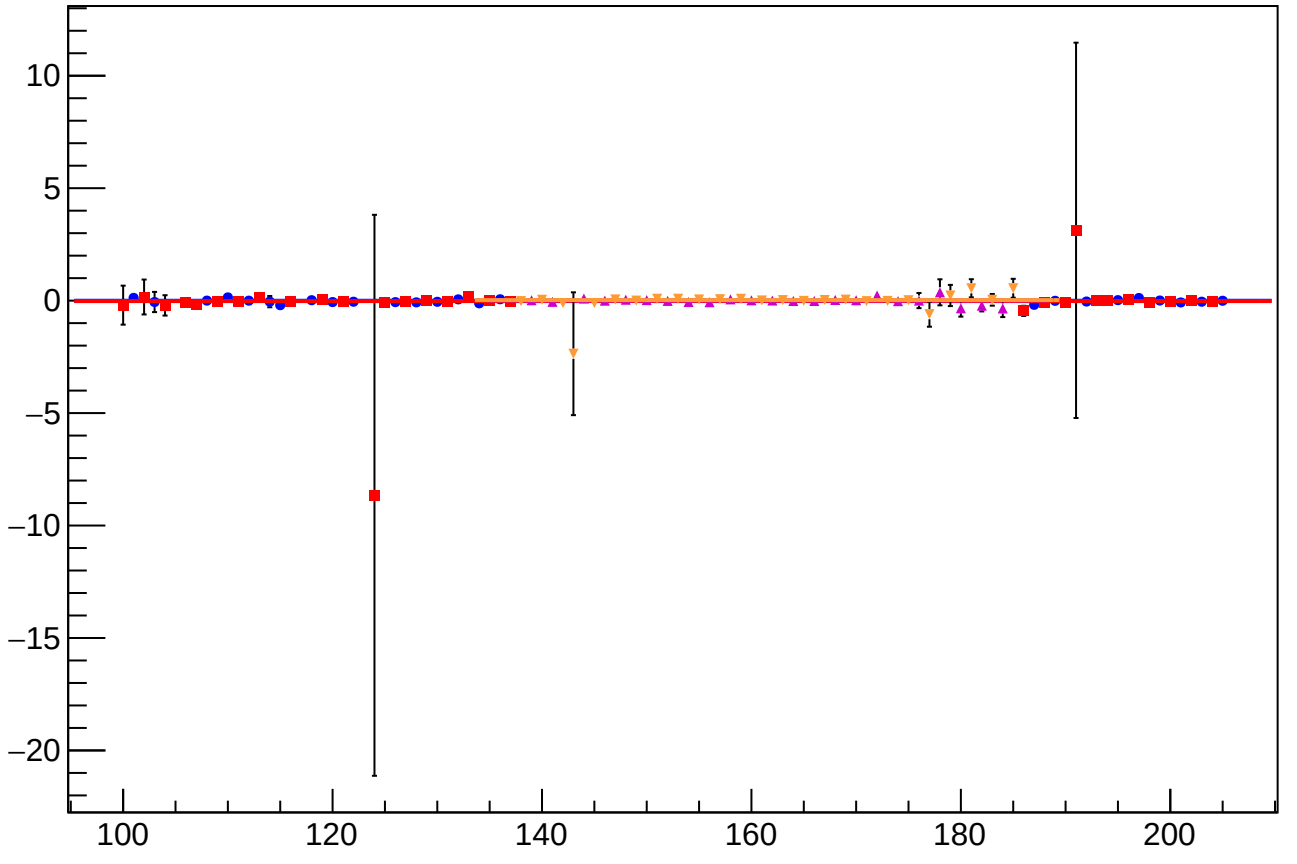
Right Out: 0.000+/-0.000 χ^2/NDF: 6192051.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11016416.2/49

All: 0.000+/-0.000 χ^2/NDF: 22057576.3/102

- sign 0.000+/-0.000 χ^2/NDF: 10771844.0/52



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

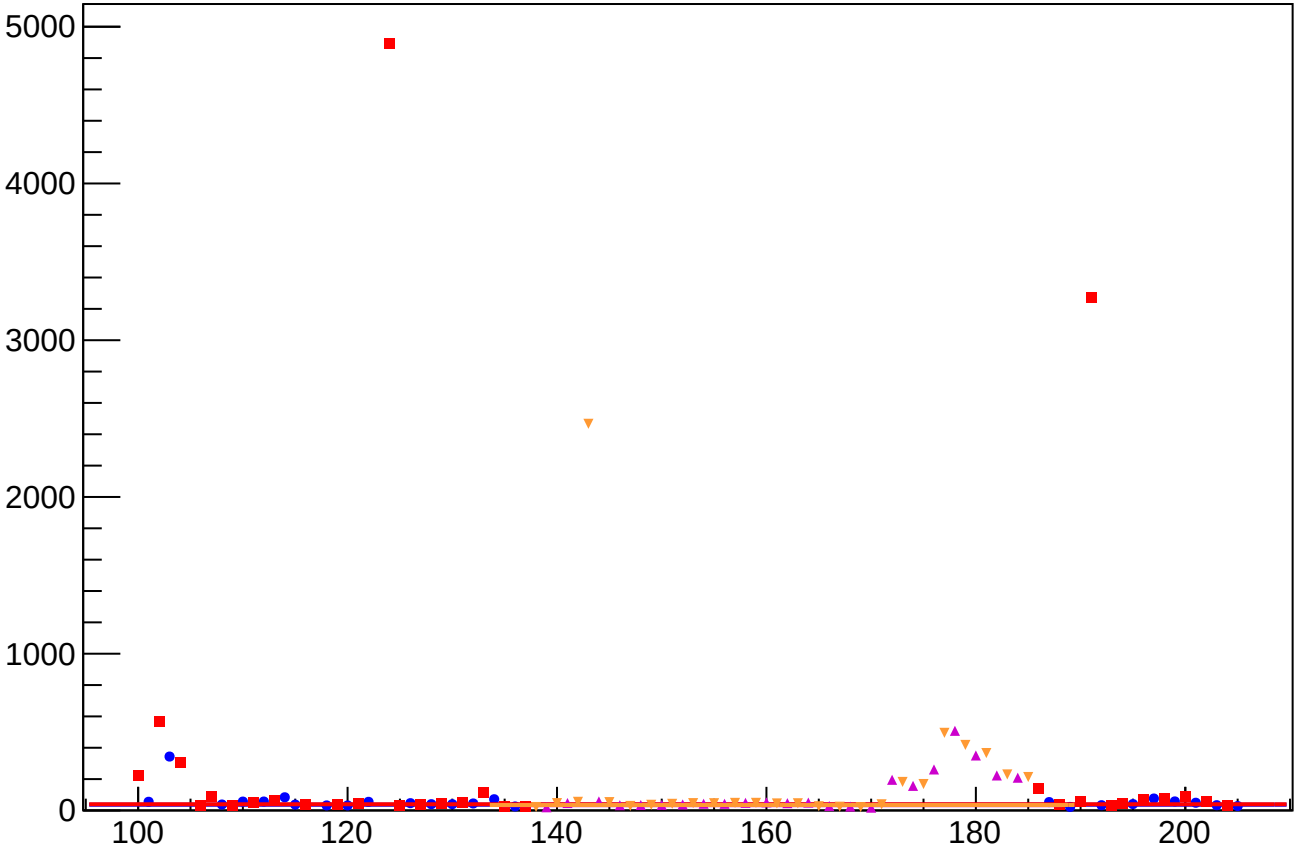
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

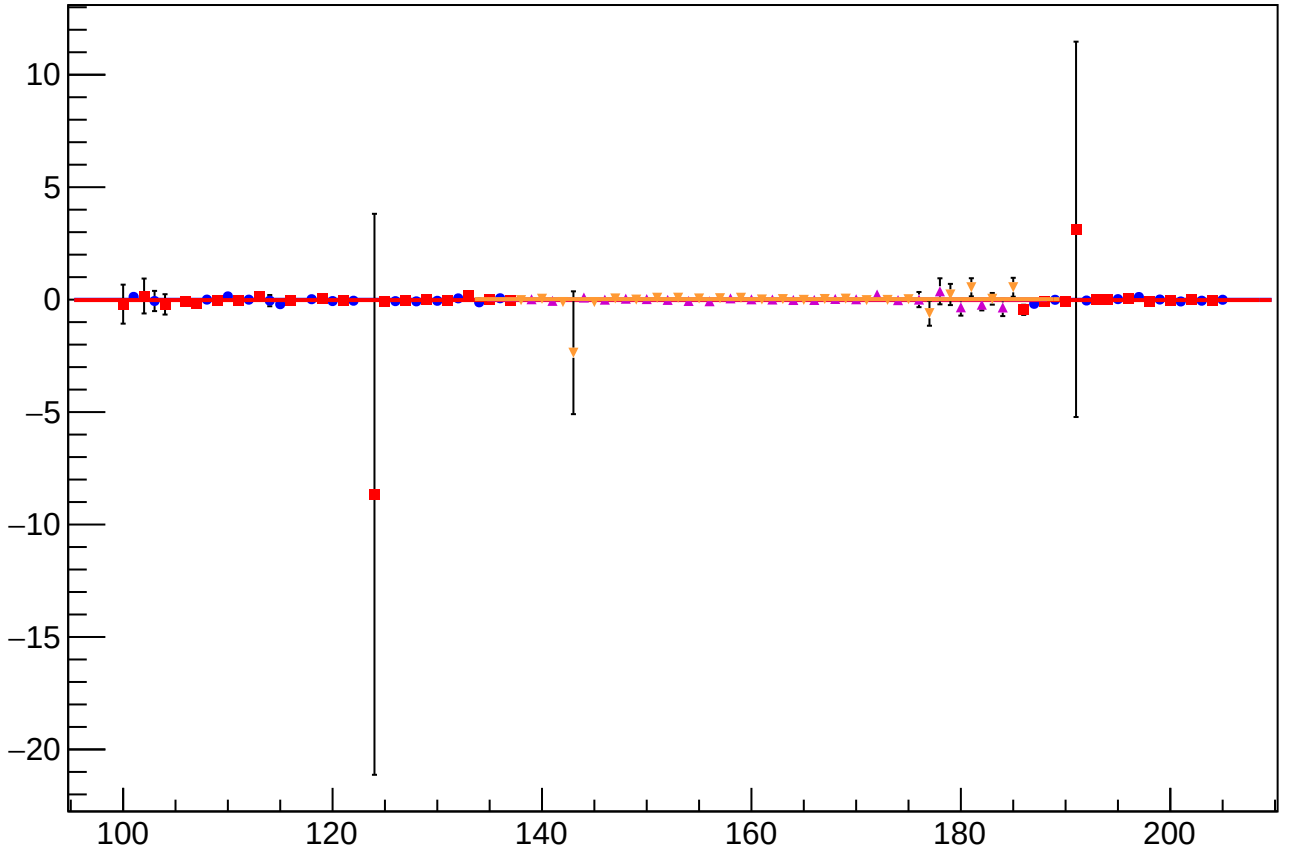
Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

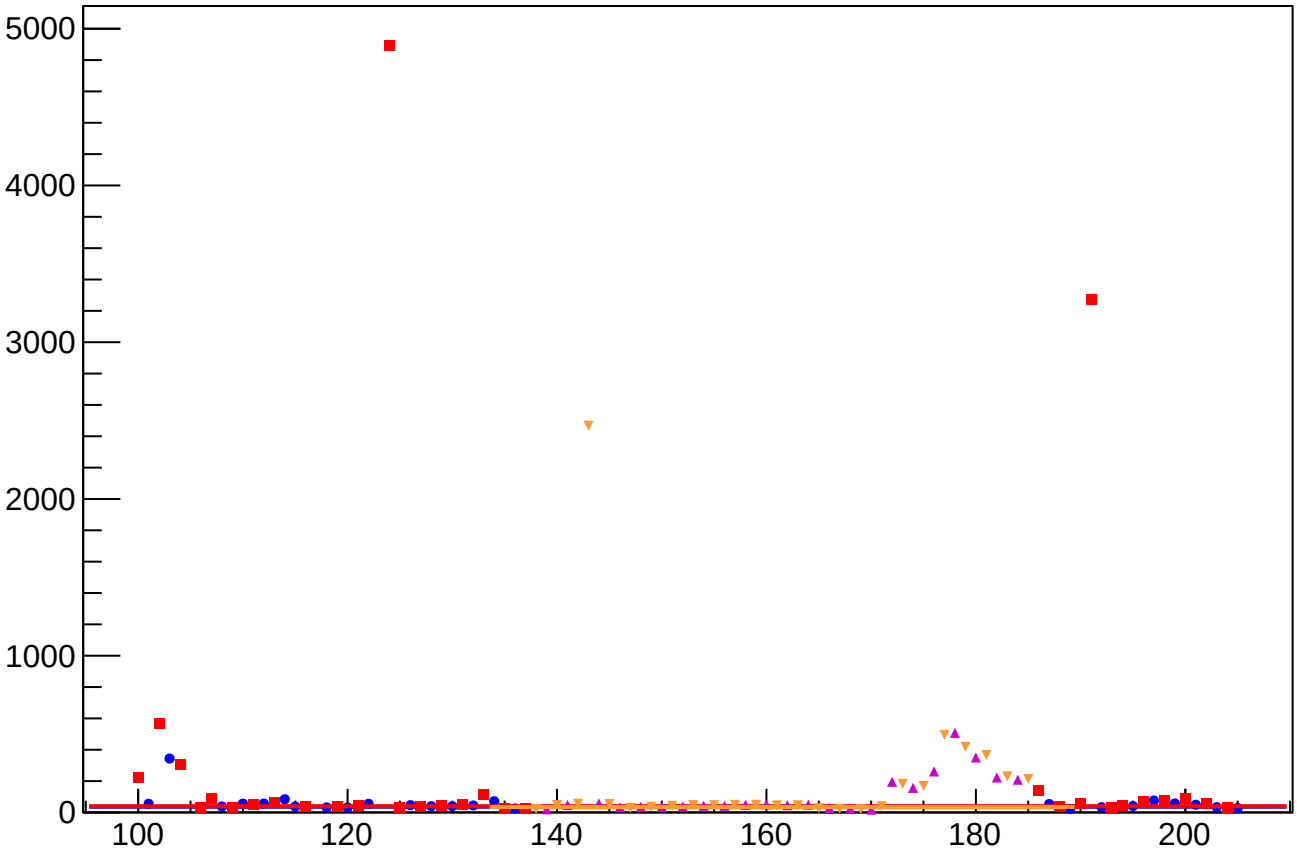
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

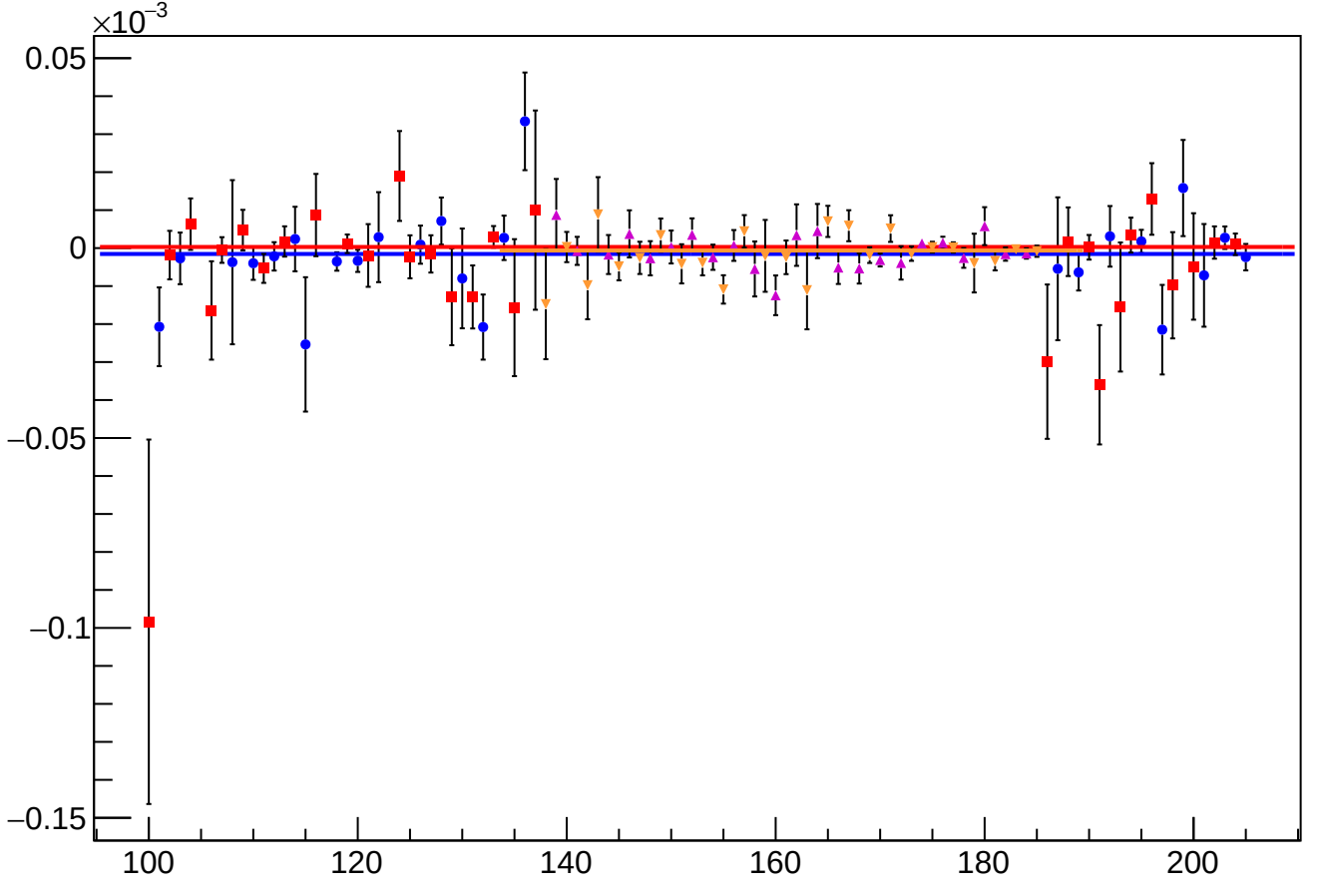
Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102

- sign 36.004+/-0.005 χ^2/NDF: 15951330.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

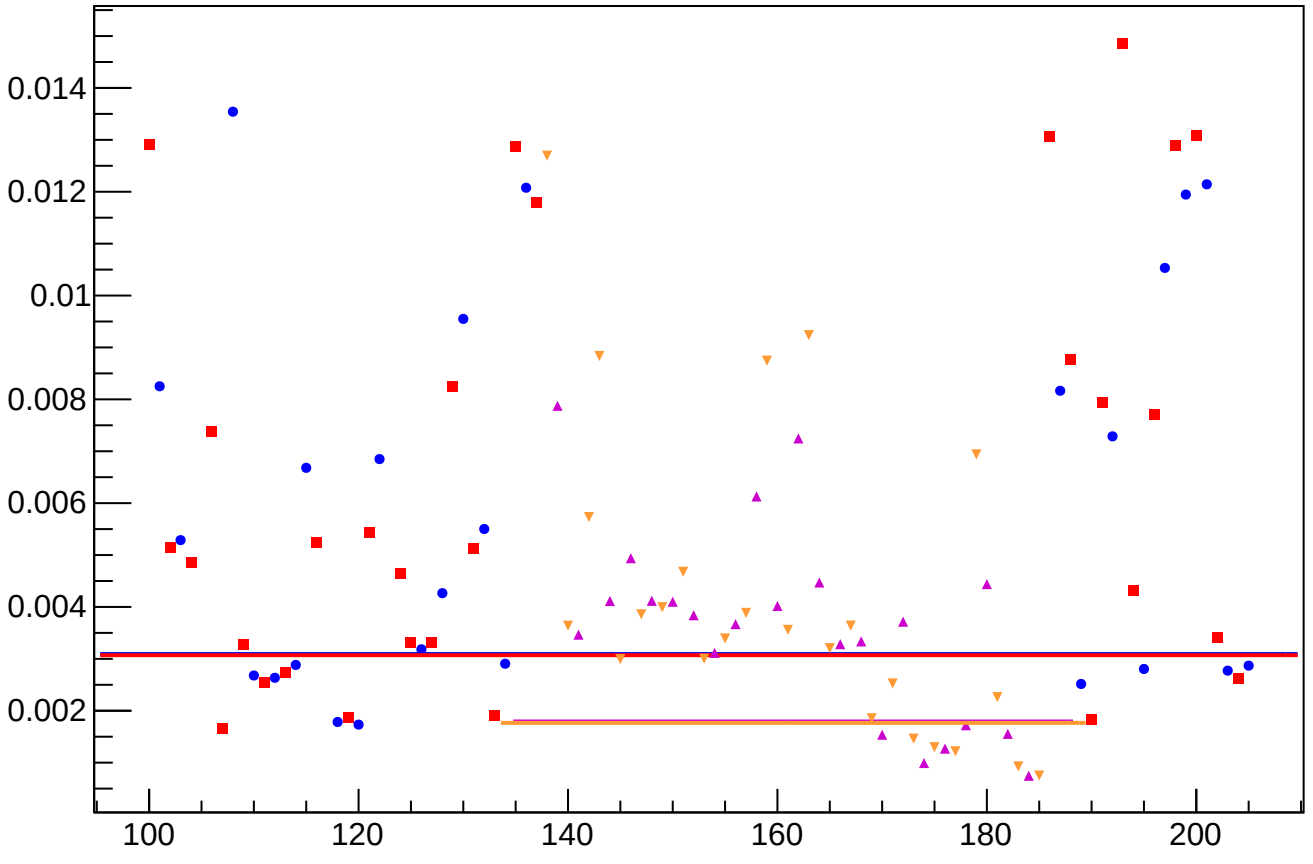
Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/49

All: -0.000+/-0.000 χ^2/NDF: 114.5/102

- sign -0.000+/-0.000 χ^2/NDF: 53.0/52



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

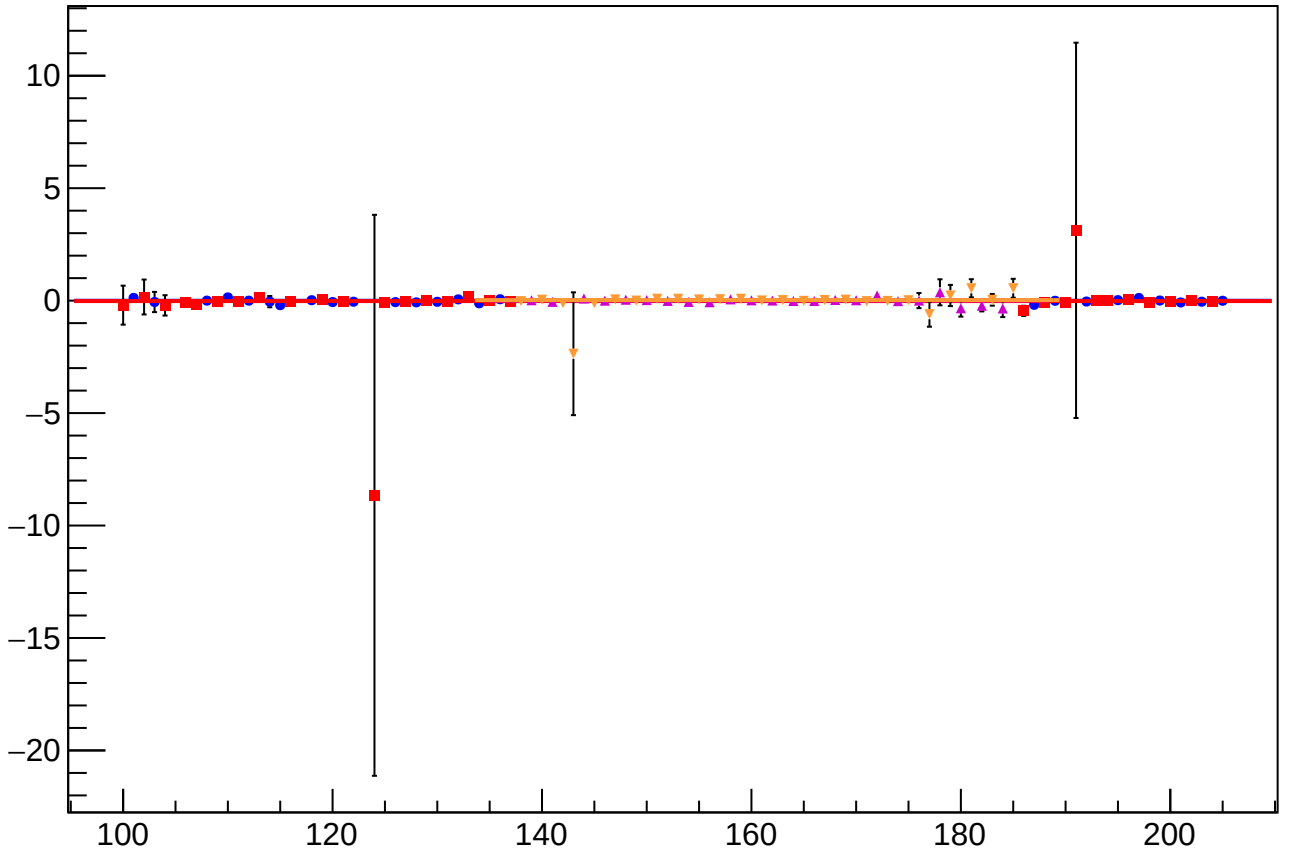
Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23301889.6/49

All: 0.002+/-0.000 χ^2/NDF: 45648694.6/102

- sign 0.002+/-0.000 χ^2/NDF: 22324064.3/52



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

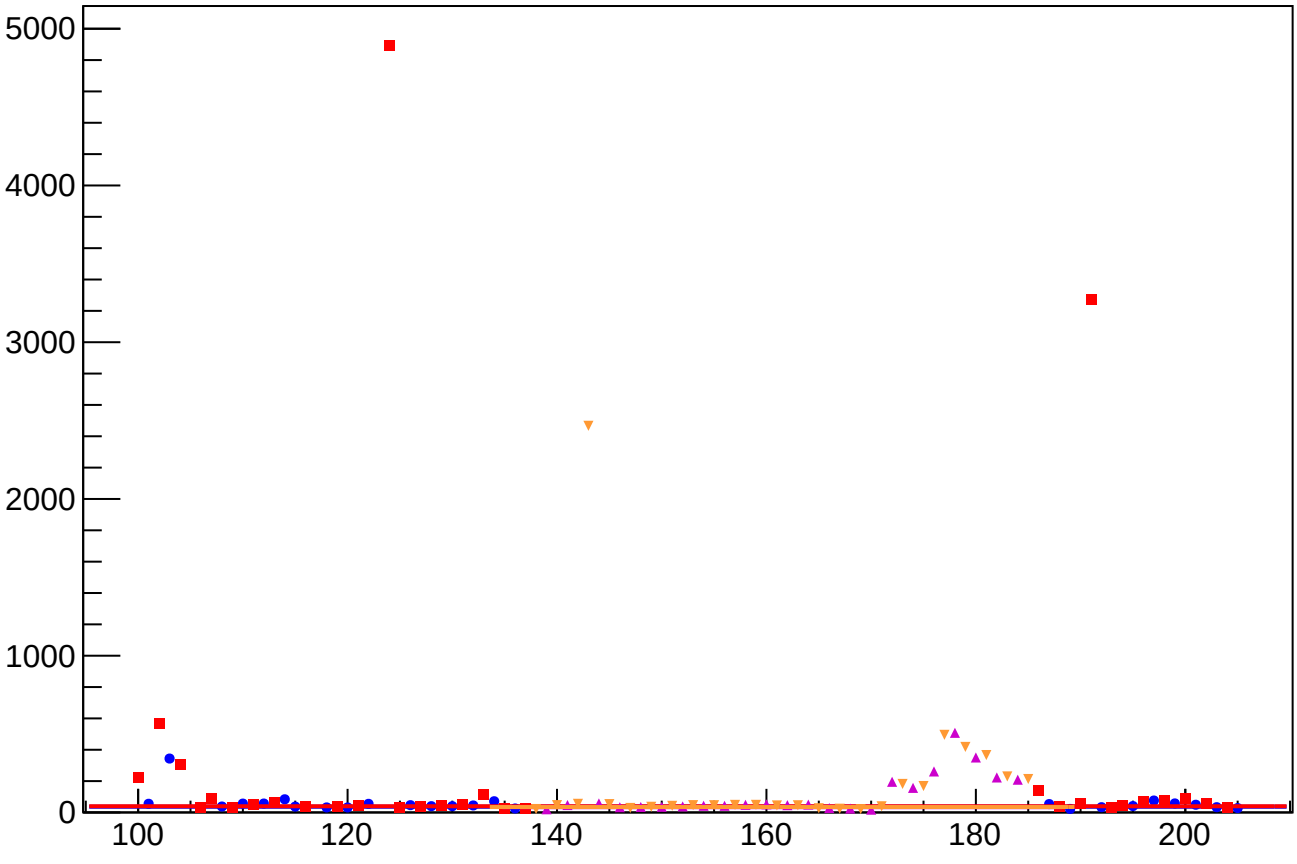
Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

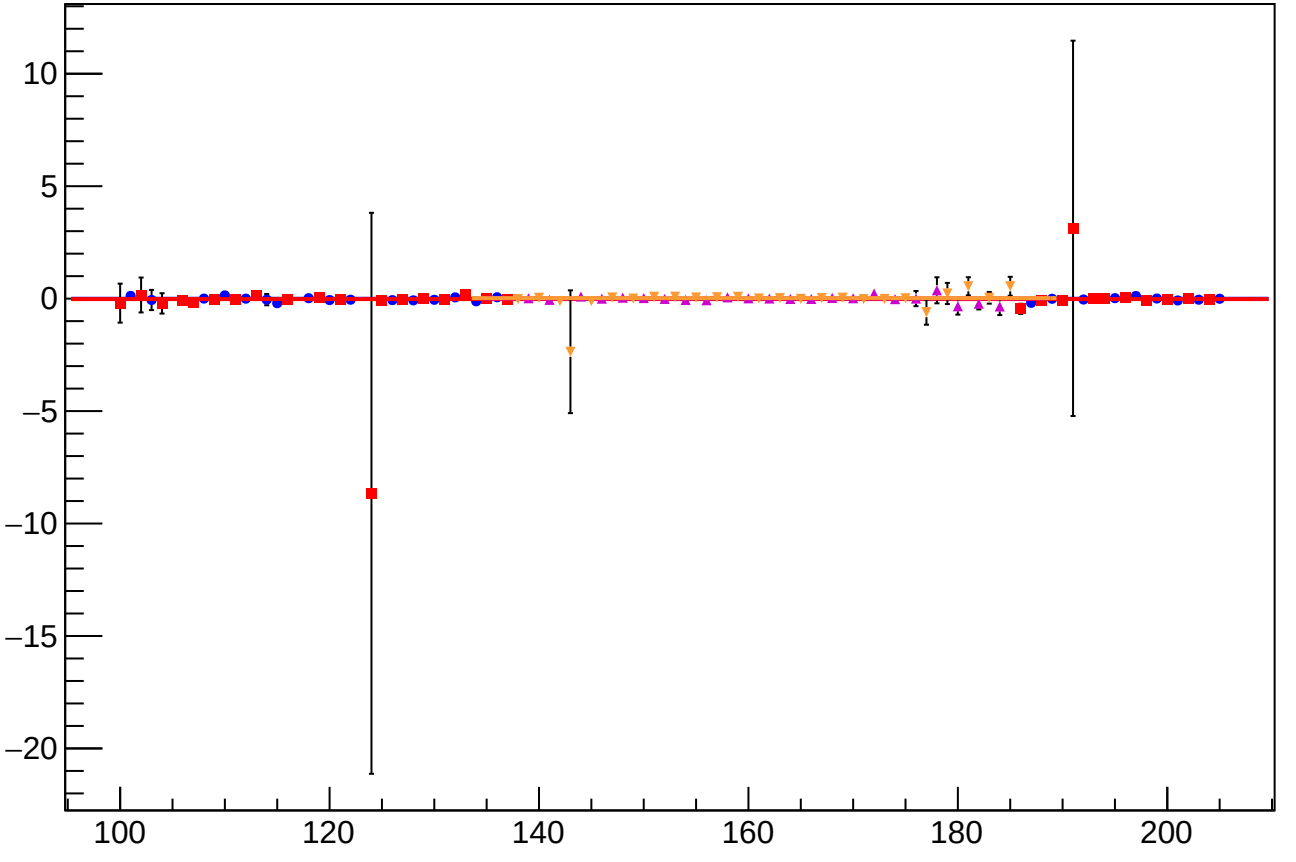
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.020+/-0.012 χ^2/NDF: 22.0/29

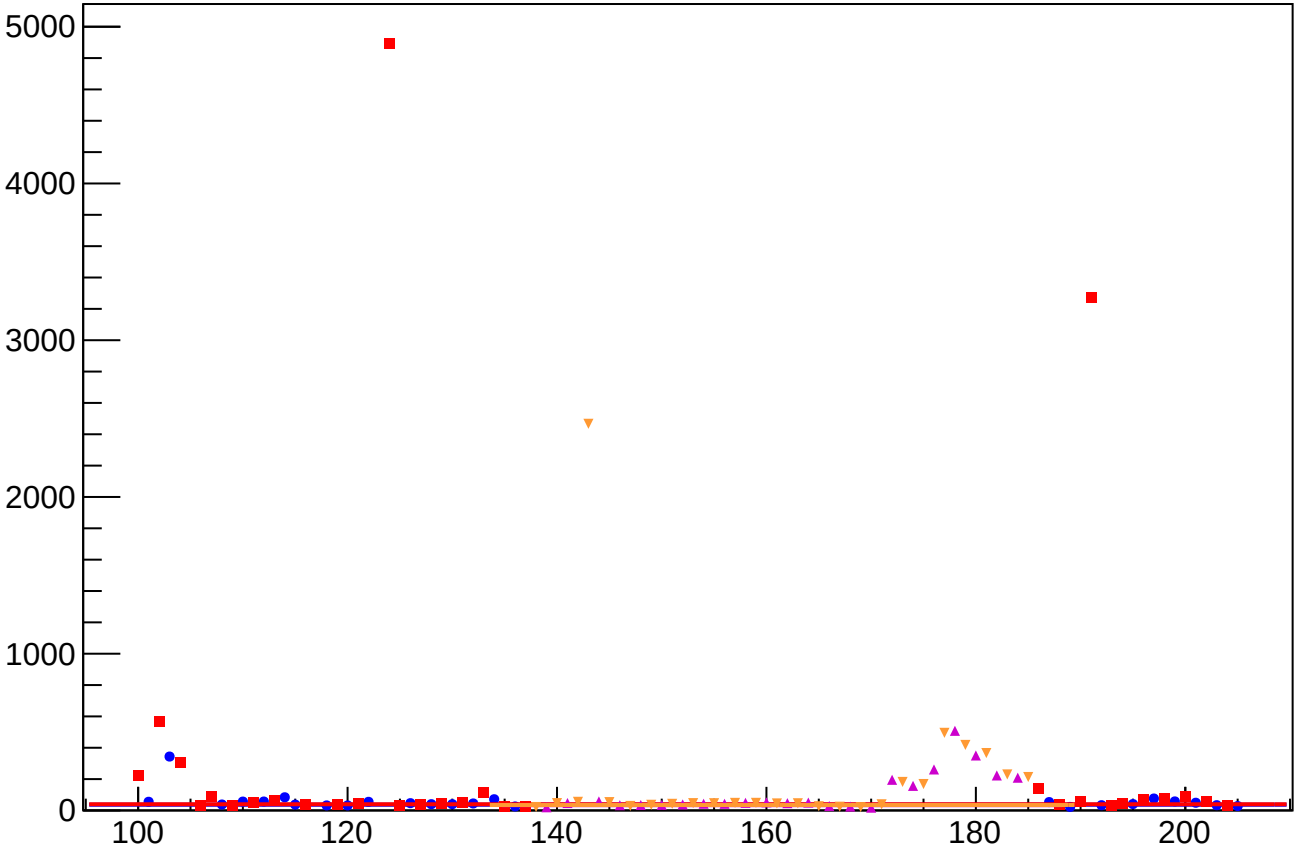
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/102

- sign -0.002+/-0.008 χ^2/NDF: 40.4/52

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

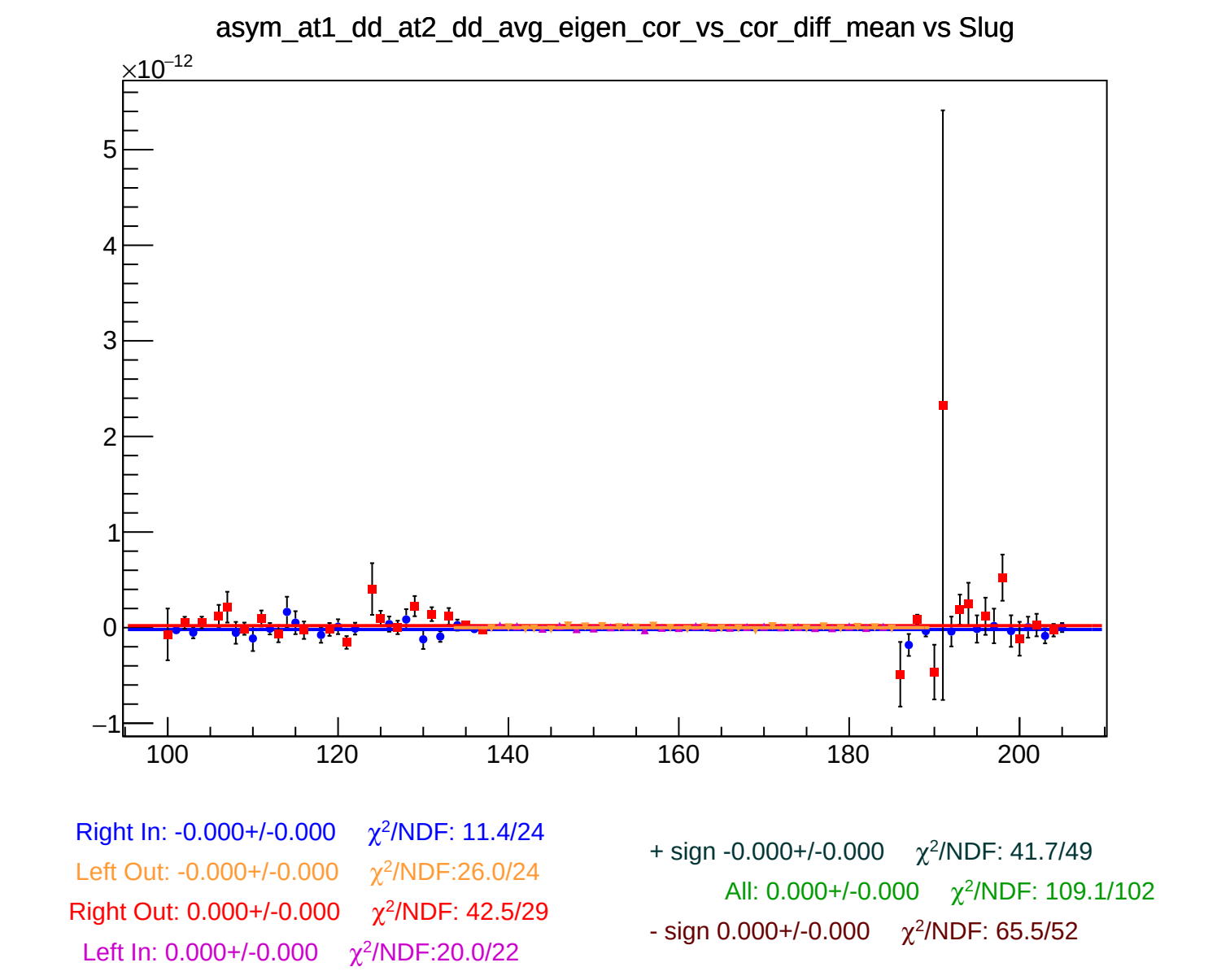
Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

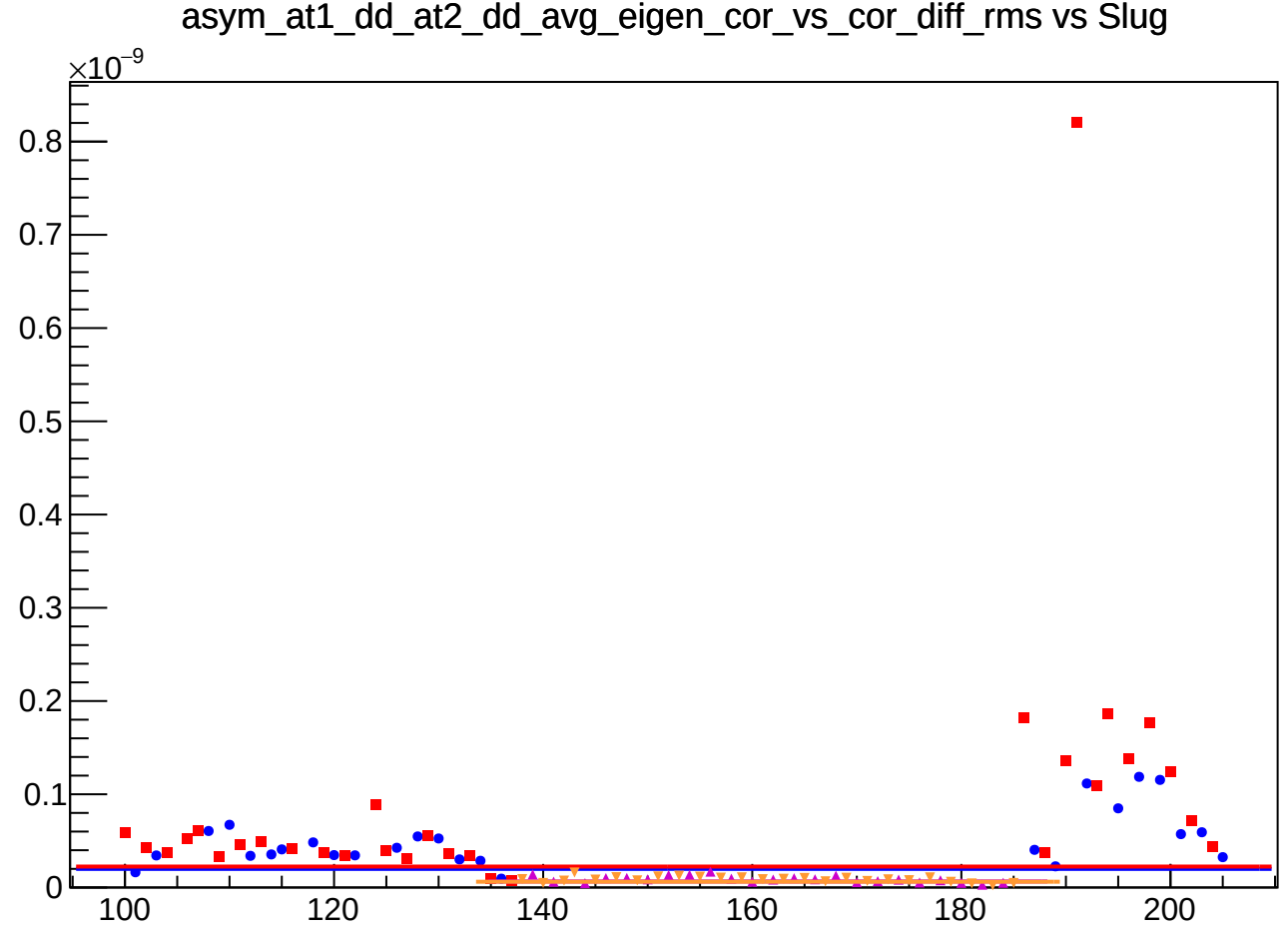
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102

- sign 36.005+/-0.005 χ^2/NDF: 15949715.8/52


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.4/24
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.5/29
Left In: 0.000+/-0.000 χ²/NDF:20.0/22
+ sign -0.000+/-0.000 χ²/NDF: 41.7/49
All: 0.000+/-0.000 χ²/NDF: 109.1/102
- sign 0.000+/-0.000 χ²/NDF: 65.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456195.6/29

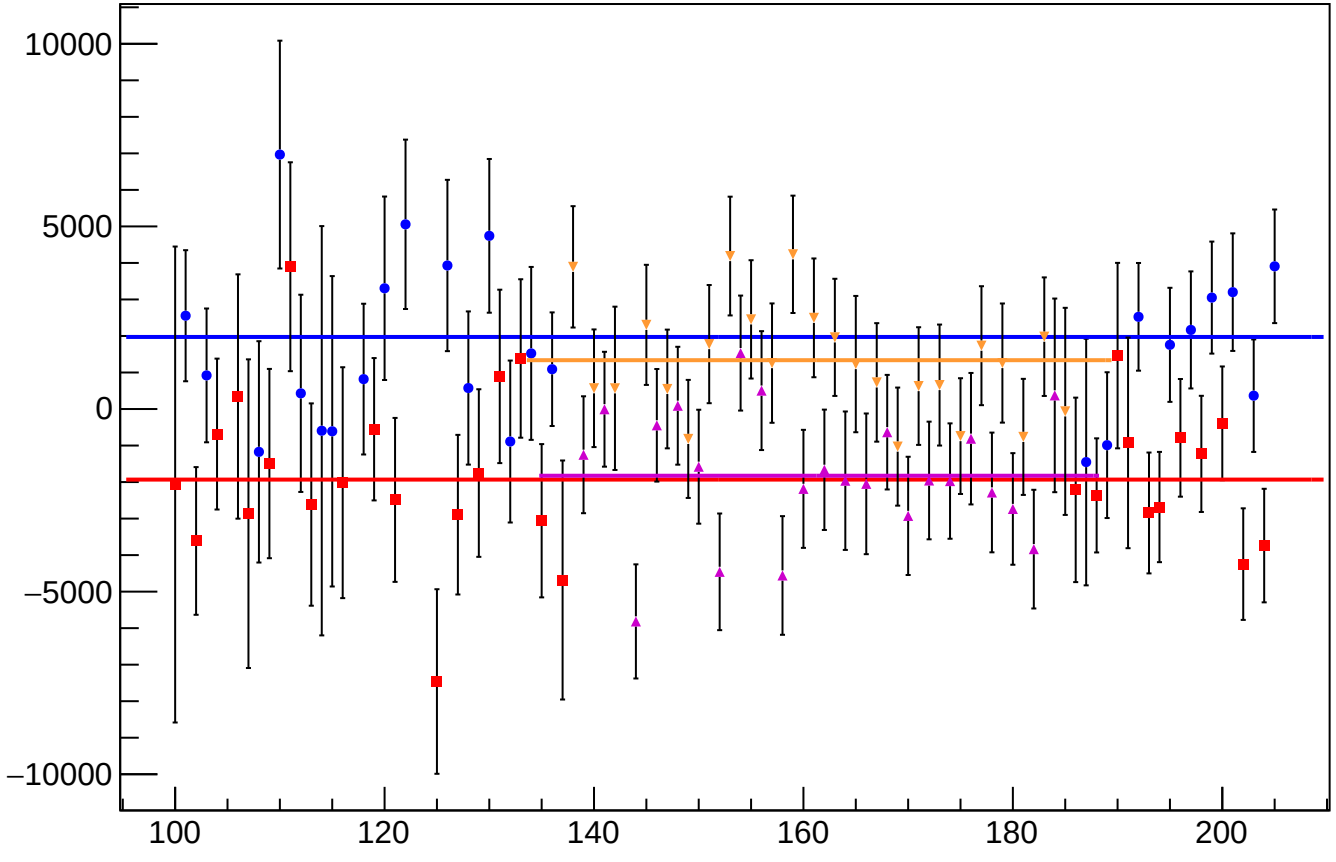
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15920436.4/49

All: 0.000+/-0.000 χ^2/NDF: 33835677.6/102

- sign 0.000+/-0.000 χ^2/NDF: 17893277.6/52

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1973.286+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1932.235+/-390.472 χ^2/NDF: 24.0/28

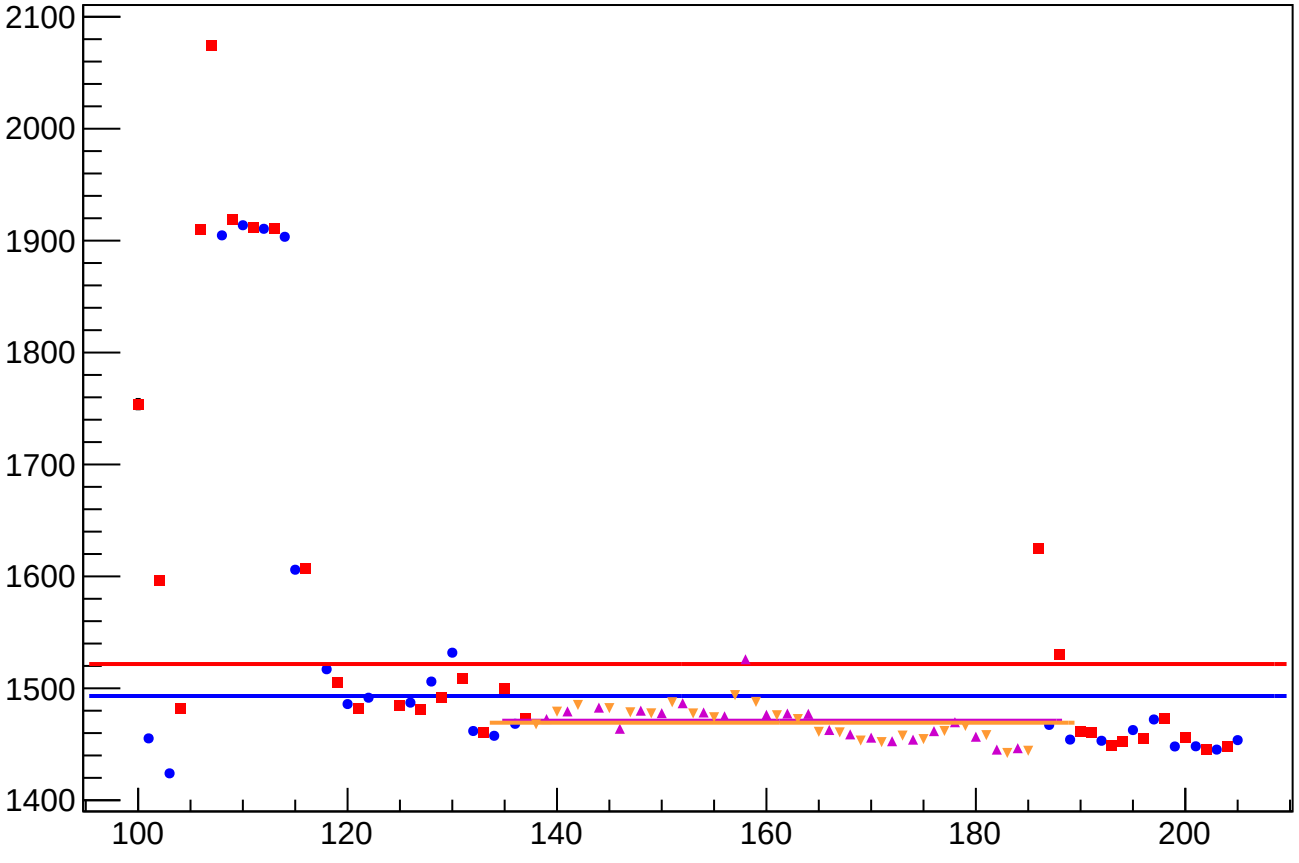
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1605.999+/-259.089 χ^2/NDF: 40.0/48

All: -141.338+/-182.782 χ^2/NDF: 181.1/100

- sign -1872.681+/-257.901 χ^2/NDF: 50.5/51

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.6/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.700+/-0.276 χ^2/NDF: 228717.5/28

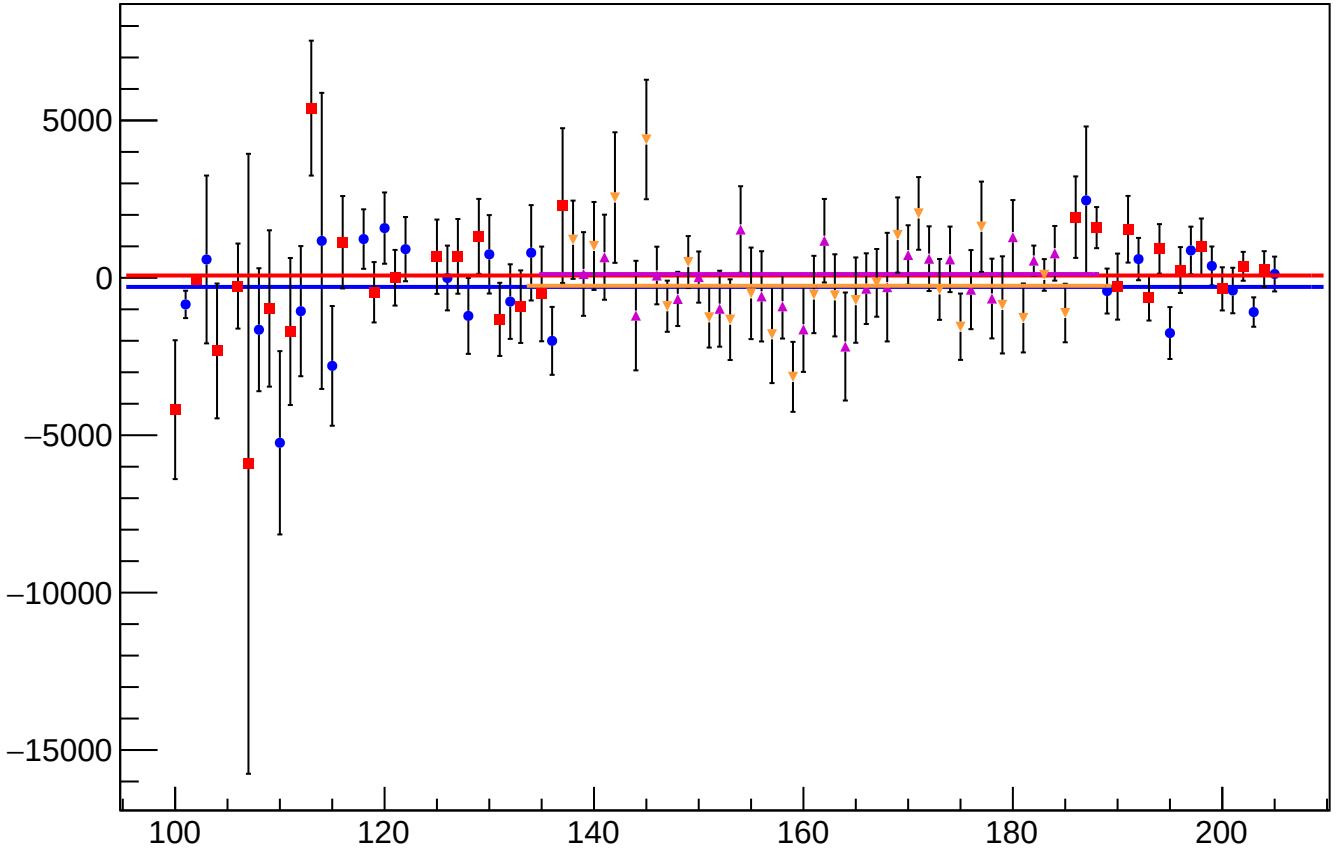
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1479.358+/-0.183 χ^2/NDF: 156612.9/48

All: 1486.285+/-0.129 χ^2/NDF: 411787.5/100

- sign 1493.148+/-0.182 χ^2/NDF: 252328.8/51

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -288.391+/-172.872 χ^2/NDF: 31.6/24

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 74.103+/-109.956 χ^2/NDF: 32.5/28

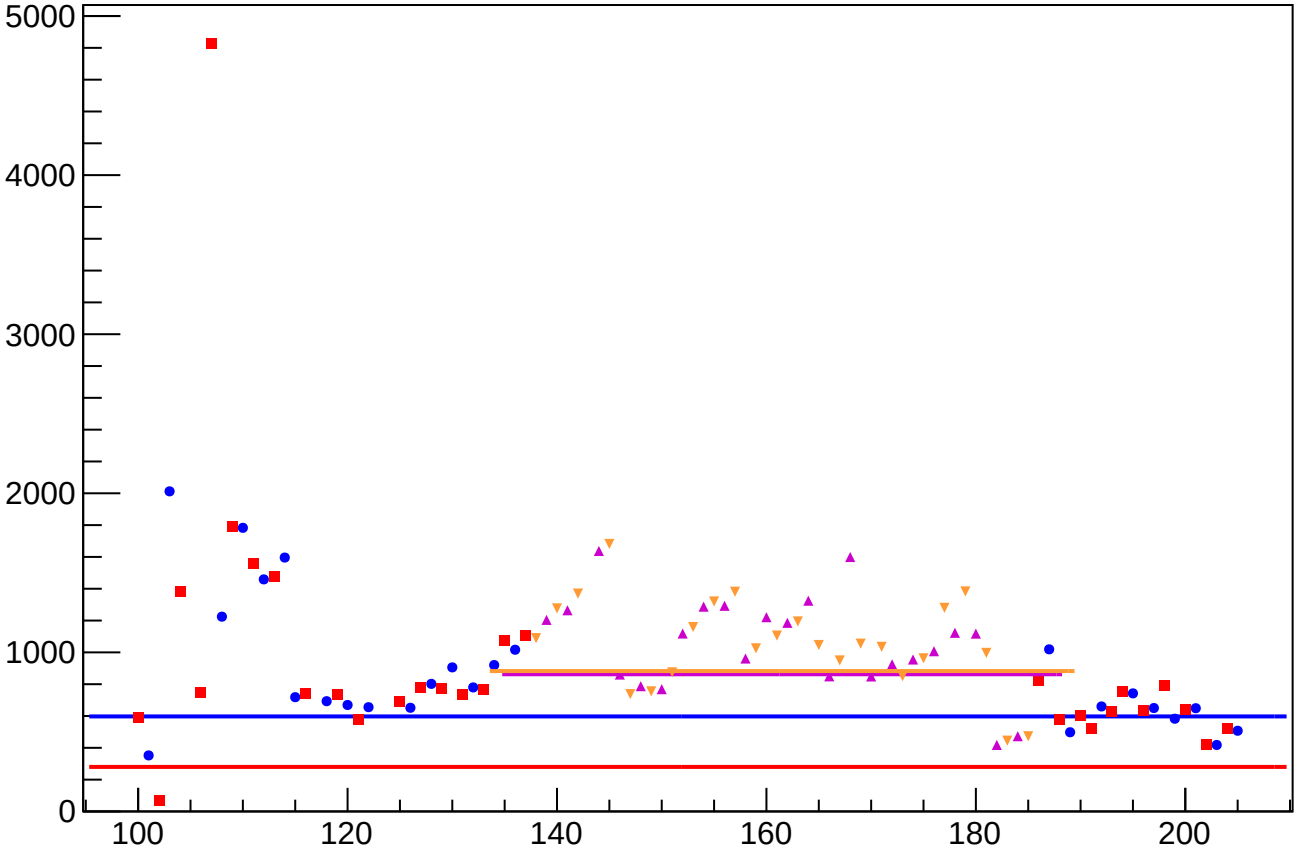
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -274.221+/-135.541 χ^2/NDF: 64.3/48

All: -39.280+/-79.409 χ^2/NDF: 114.3/100

- sign 83.510+/-97.987 χ^2/NDF: 45.4/51

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 597.389+/-0.122 χ^2/NDF: 3393361.9/24

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 279.955+/-0.078 χ^2/NDF: 15586430.2/28

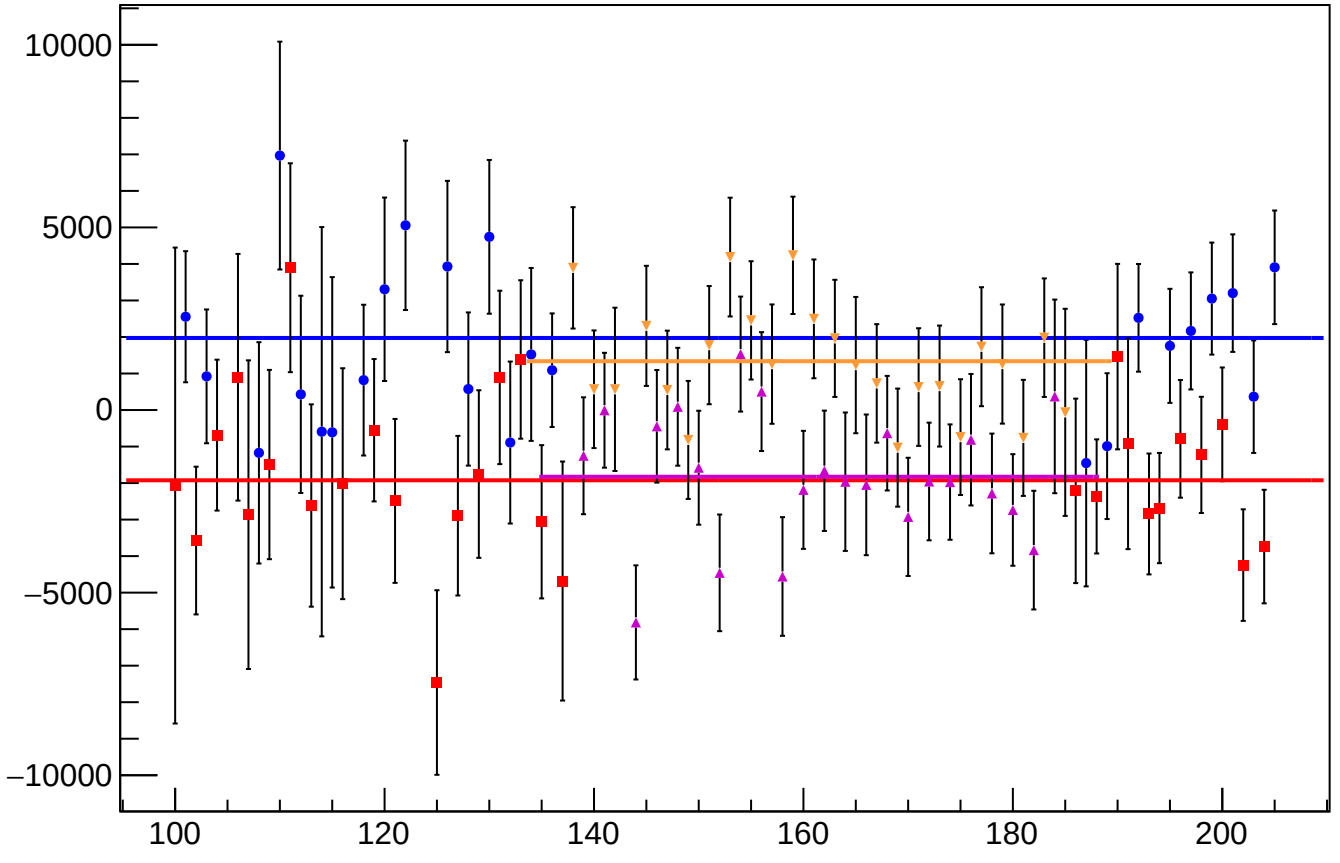
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 707.204+/-0.096 χ^2/NDF: 9389490.0/48

All: 505.332+/-0.056 χ^2/NDF: 47648073.9/10

- sign 399.826+/-0.069 χ^2/NDF: 31503331.6/51

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1923.967+/-390.525 χ^2/NDF: 24.2/28

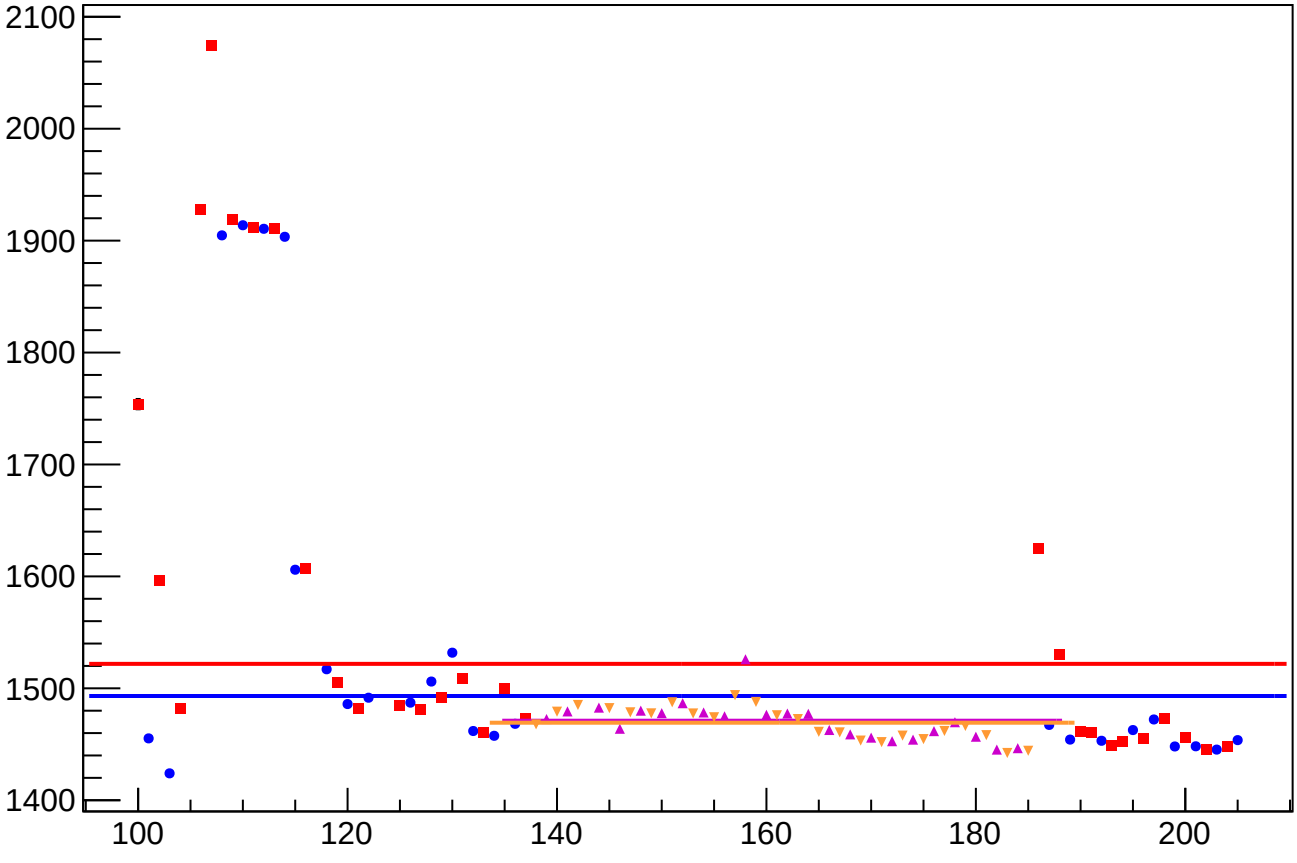
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1606.052+/-259.089 χ^2/NDF: 40.0/48

All: -139.408+/-182.787 χ^2/NDF: 181.1/100

- sign -1869.094+/-257.916 χ^2/NDF: 50.7/51

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

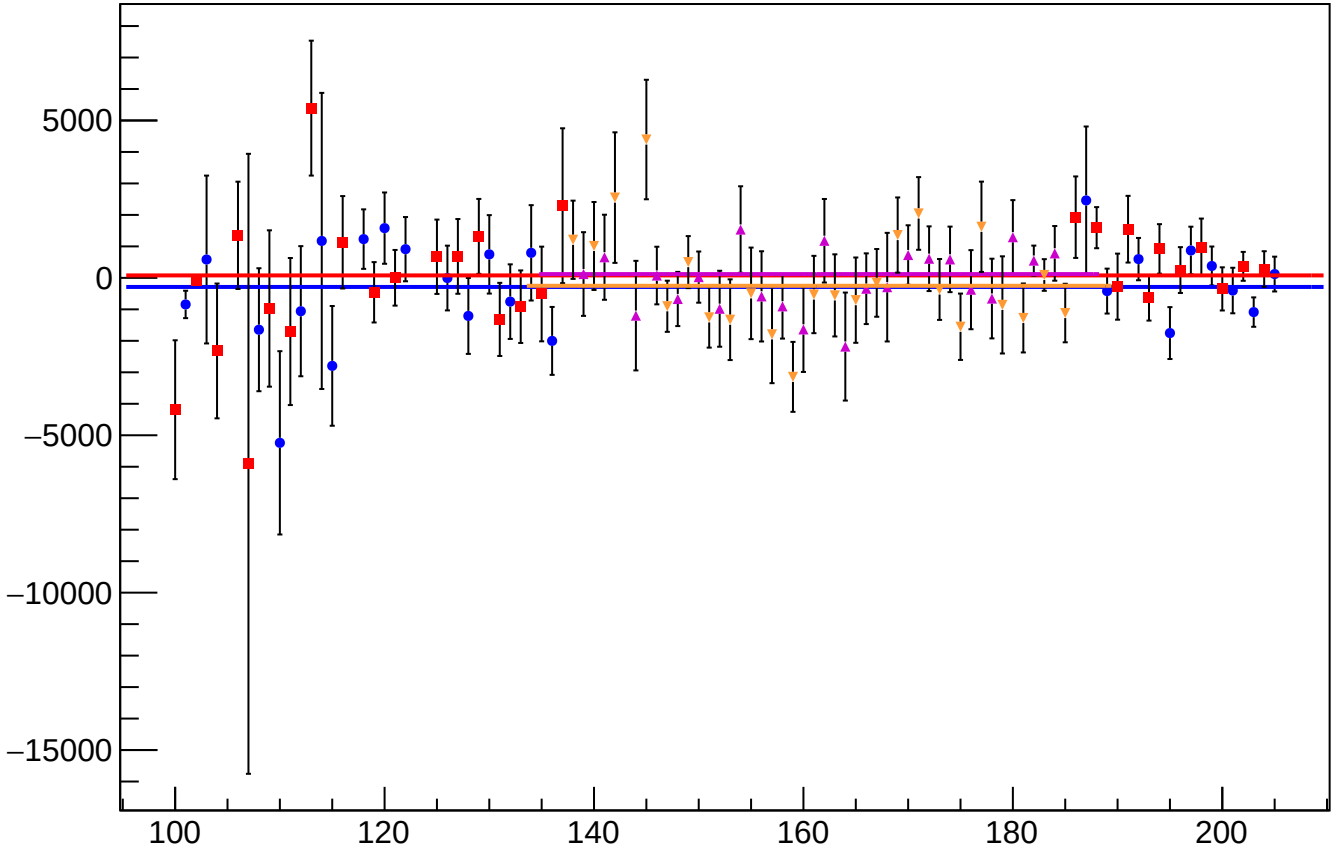
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1479.358+/-0.183 χ^2/NDF: 156612.9/48

All: 1486.316+/-0.129 χ^2/NDF: 413978.6/100

- sign 1493.210+/-0.182 χ^2/NDF: 254494.3/51

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 78.419+/-116.409 χ^2/NDF: 33.3/28

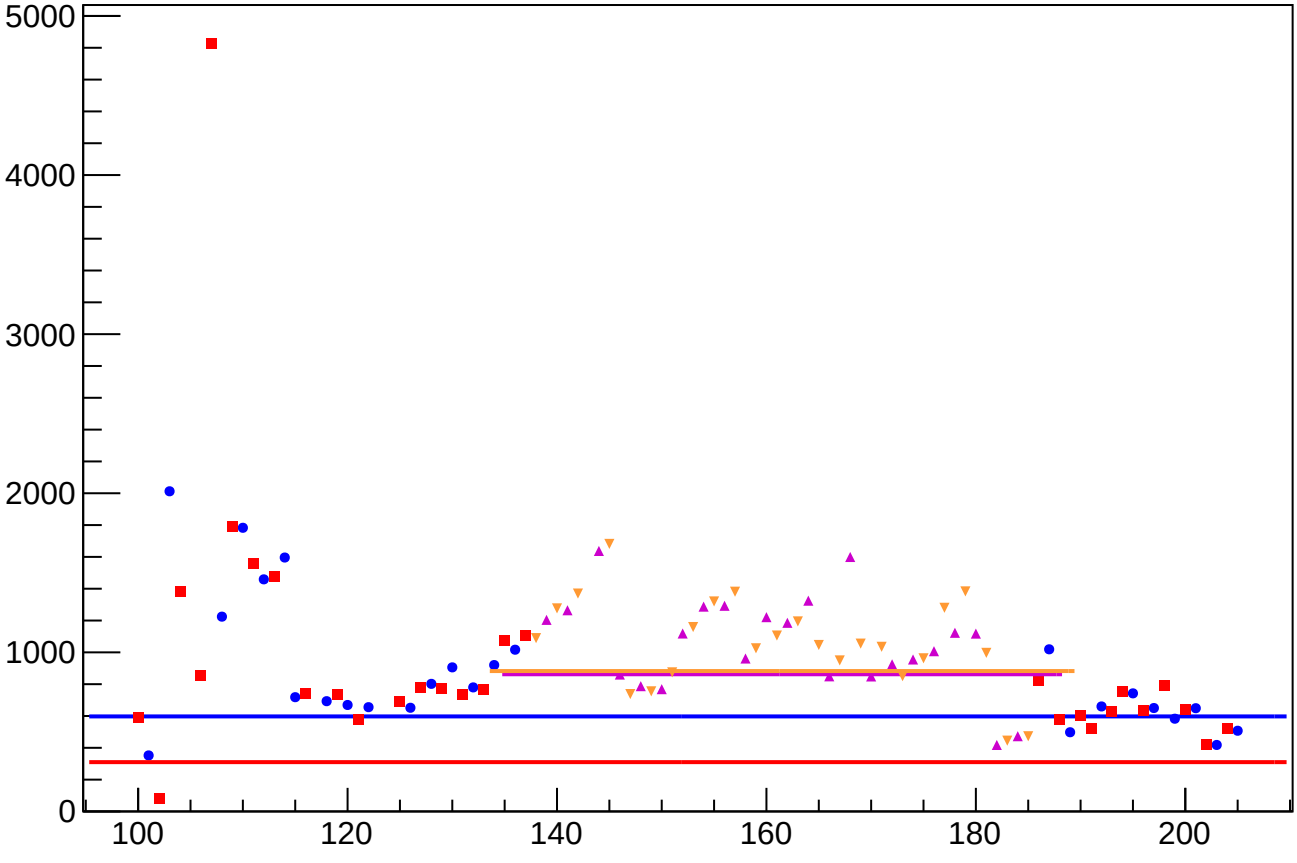
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -274.157+/-135.539 χ^2/NDF: 64.3/48

All: -43.879+/-81.740 χ^2/NDF: 115.0/100

- sign 87.744+/-102.472 χ^2/NDF: 46.2/51

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

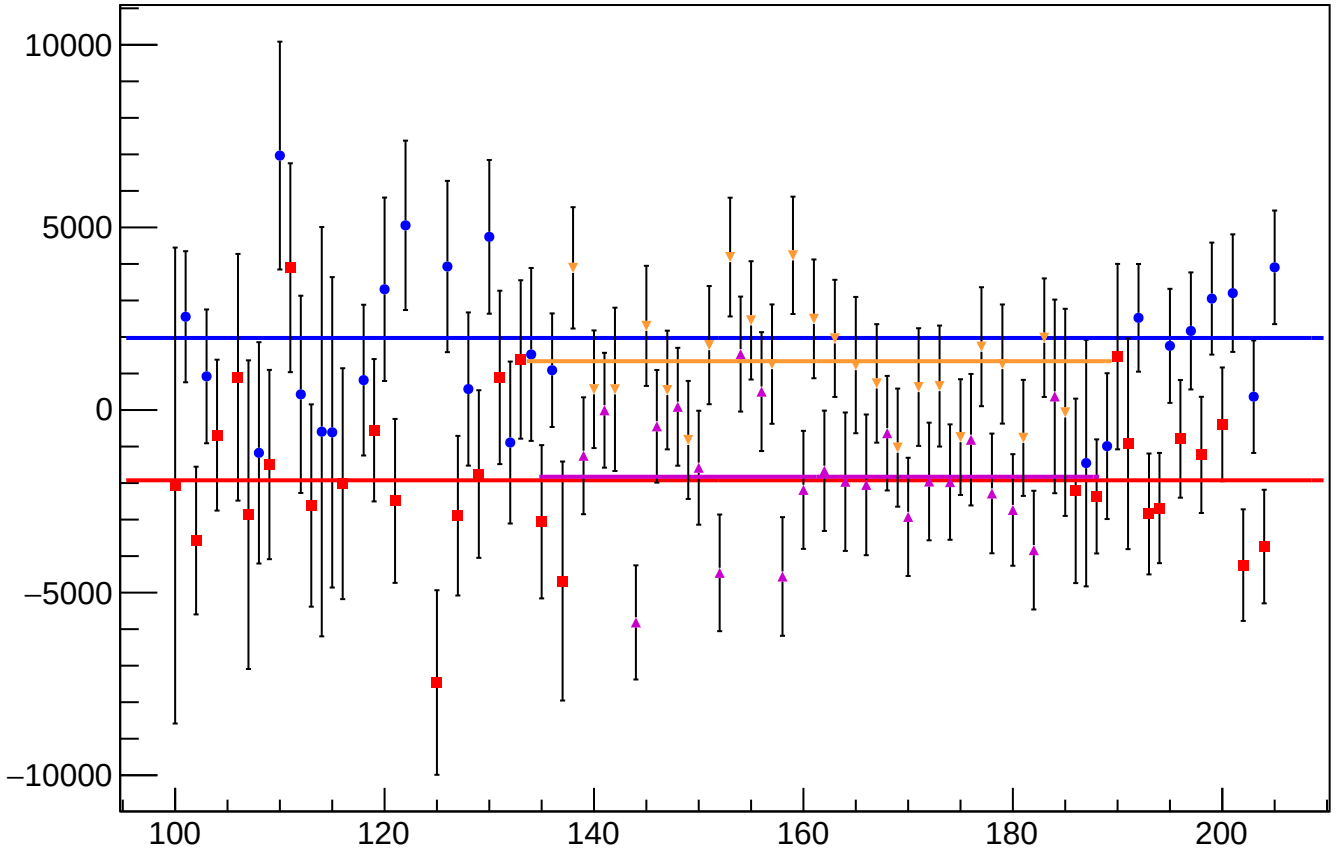
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 707.192+/-0.096 χ^2/NDF: 9390177.4/48

All: 533.574+/-0.058 χ^2/NDF: 43355610.3/10

- sign 434.336+/-0.072 χ^2/NDF: 28808078.2/51

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1923.967+/-390.525 χ^2/NDF: 24.2/28

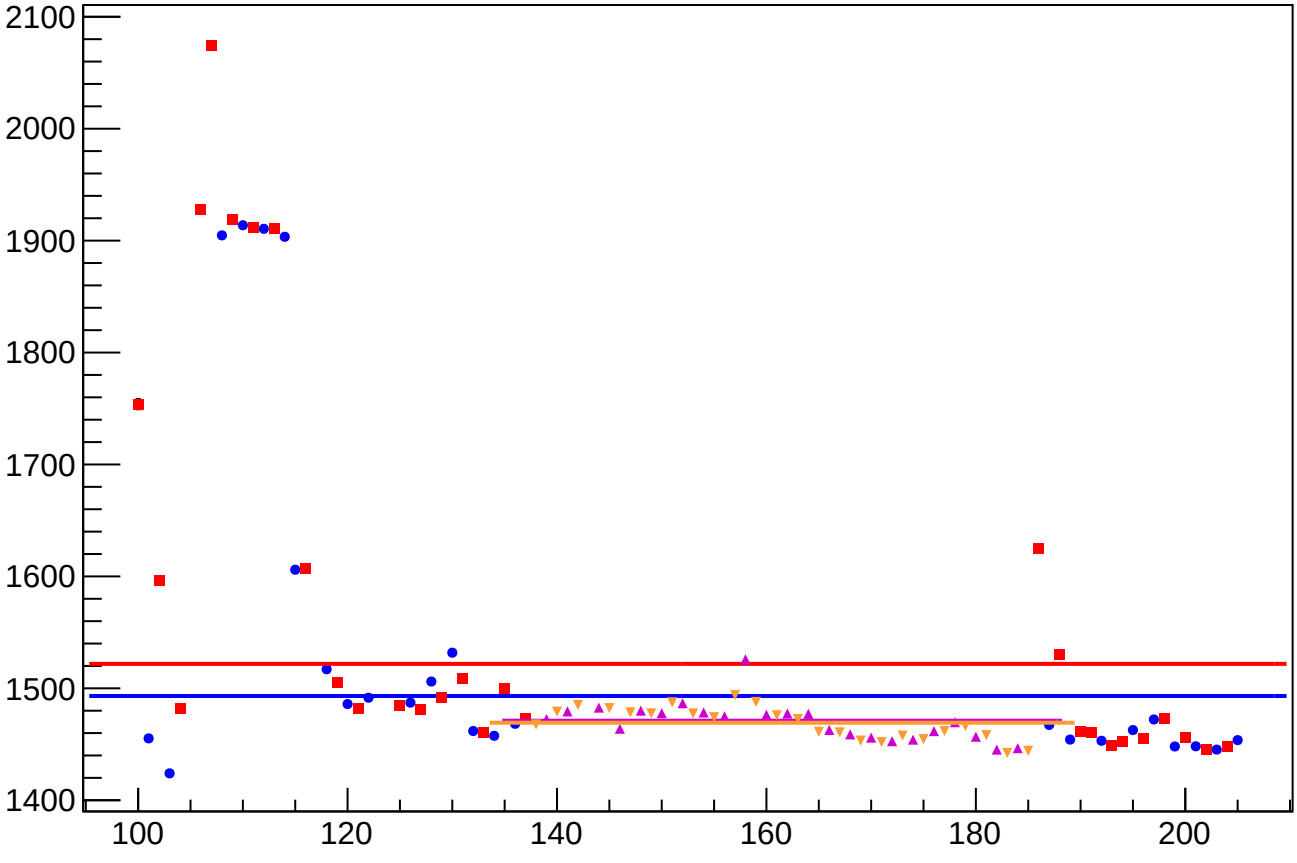
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1606.052+/-259.089 χ^2/NDF: 40.0/48

All: -139.408+/-182.787 χ^2/NDF: 181.1/100

- sign -1869.094+/-257.916 χ^2/NDF: 50.7/51

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

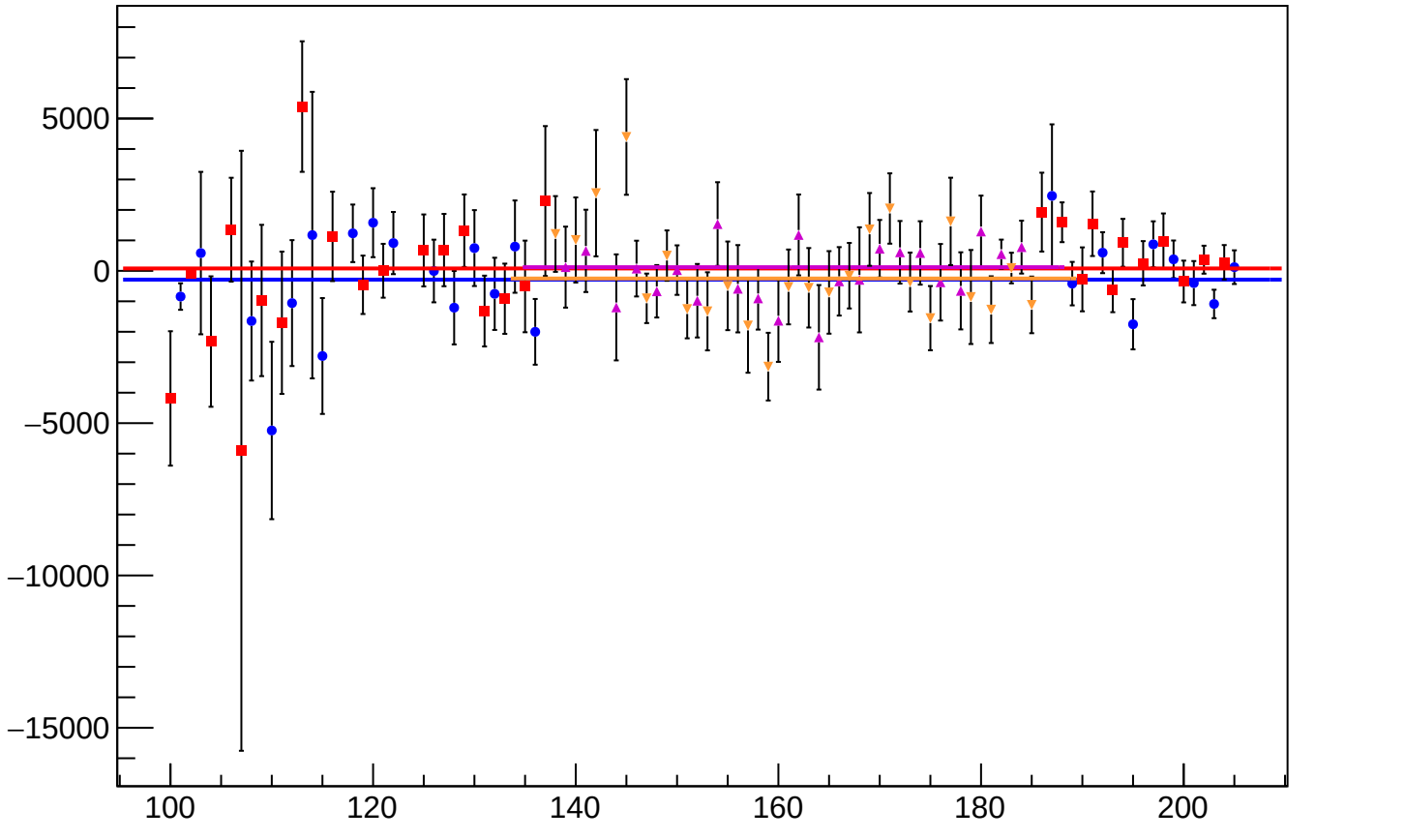
Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1479.358+/-0.183 χ^2/NDF: 156612.9/48

All: 1486.316+/-0.129 χ^2/NDF: 413978.6/100

- sign 1493.210+/-0.182 χ^2/NDF: 254494.3/51



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

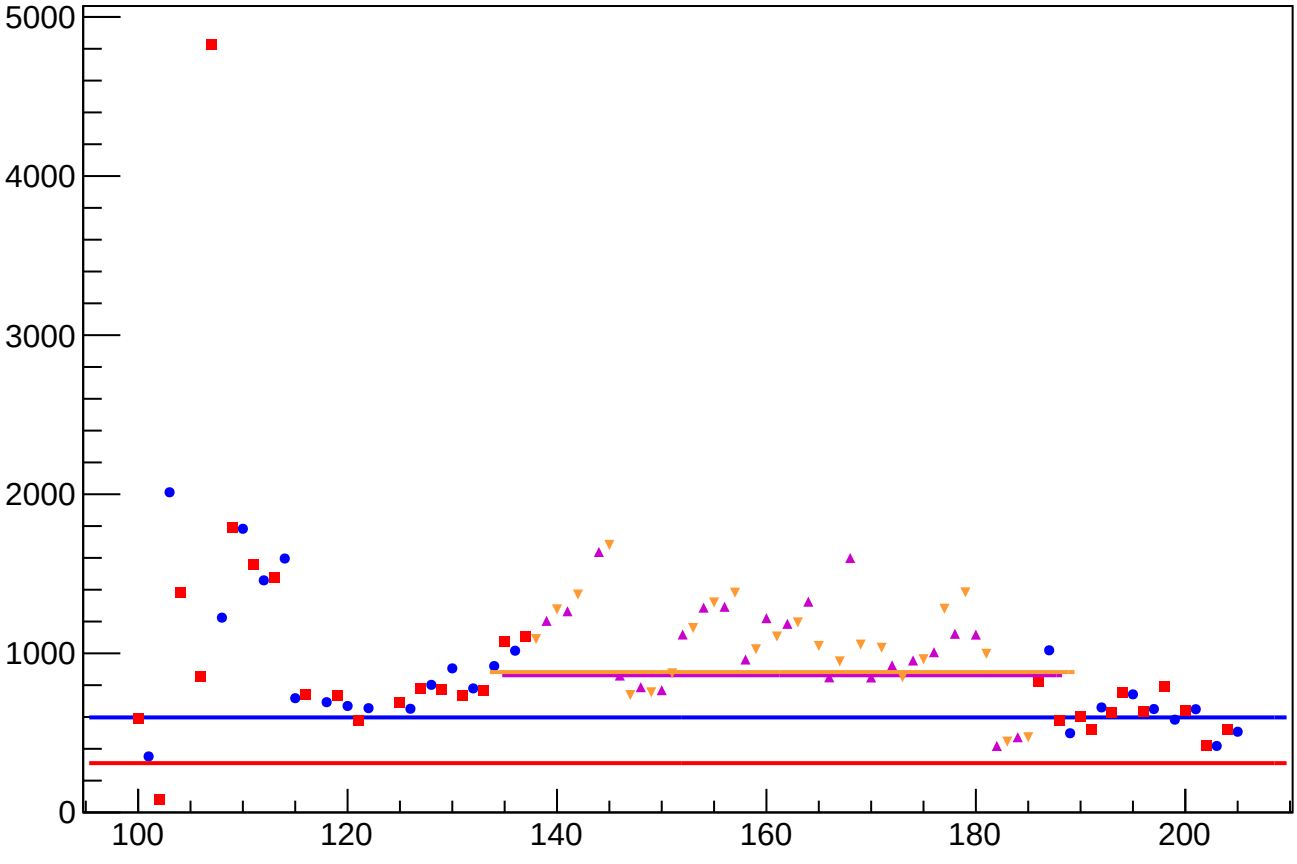
Right Out: 78.419+/-116.409 χ^2/NDF: 33.3/28

Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -274.157+/-135.539 χ^2/NDF: 64.3/48

All: -43.879+/-81.740 χ^2/NDF: 115.0/100

- sign 87.744+/-102.472 χ^2/NDF: 46.2/51



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

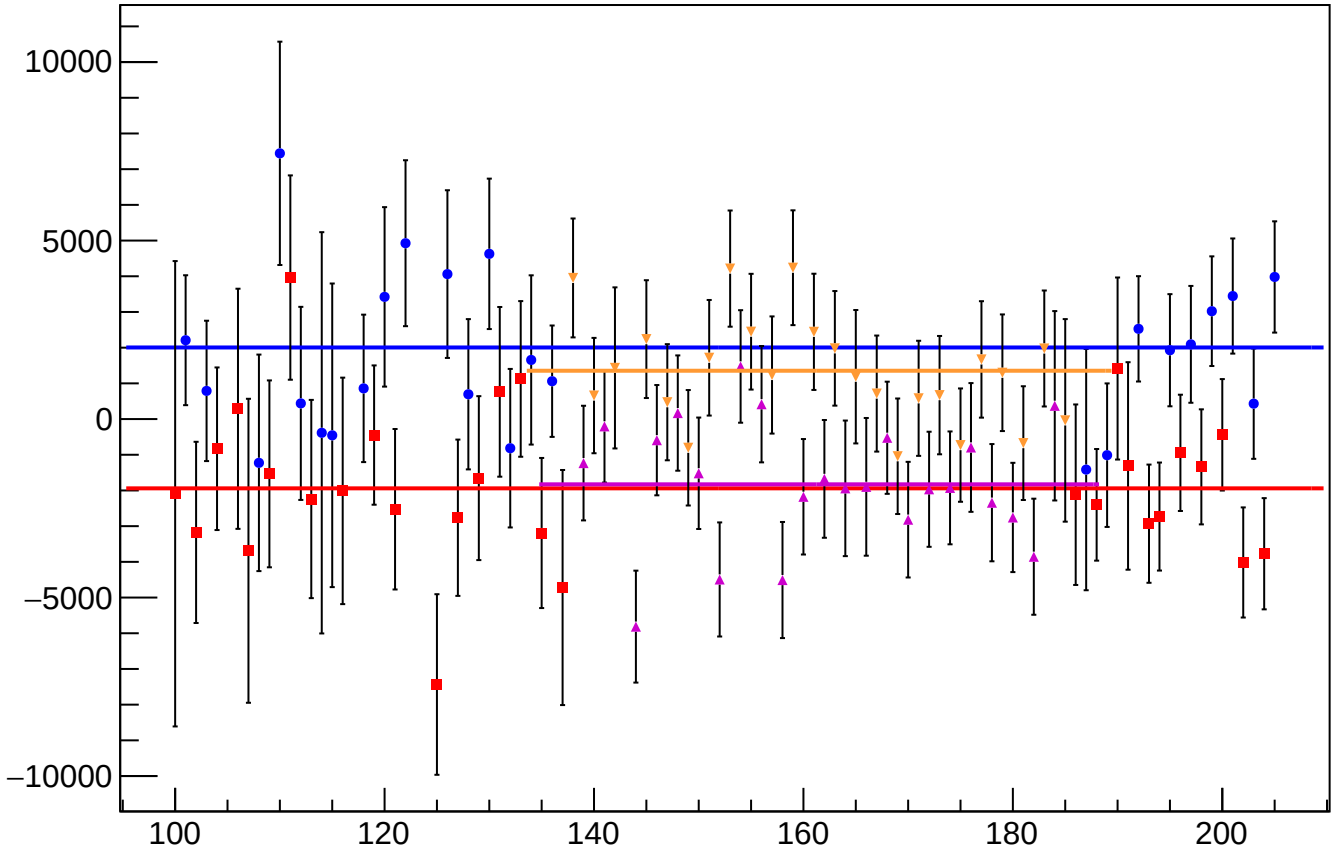
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 707.192+/-0.096 χ^2/NDF: 9390177.4/48

All: 533.574+/-0.058 χ^2/NDF: 43355610.3/10

- sign 434.336+/-0.072 χ^2/NDF: 28808078.2/51

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2005.446+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1940.869+/-395.973 χ^2/NDF: 22.4/28

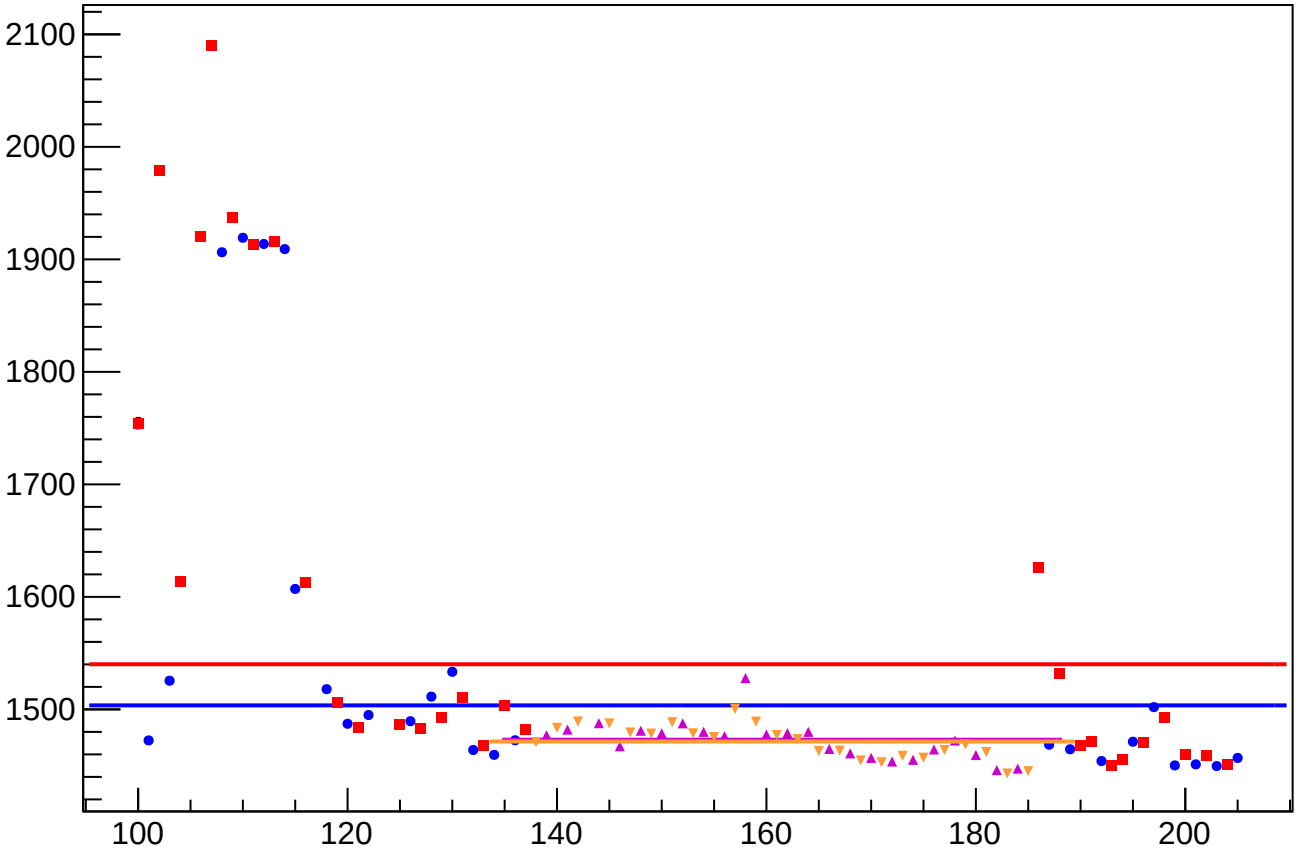
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1627.483+/-260.112 χ^2/NDF: 40.1/48

All: -127.583+/-183.770 χ^2/NDF: 179.2/100

- sign -1876.680+/-259.669 χ^2/NDF: 48.2/51

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1540.109+/-0.280 χ^2/NDF: 289487.9/28

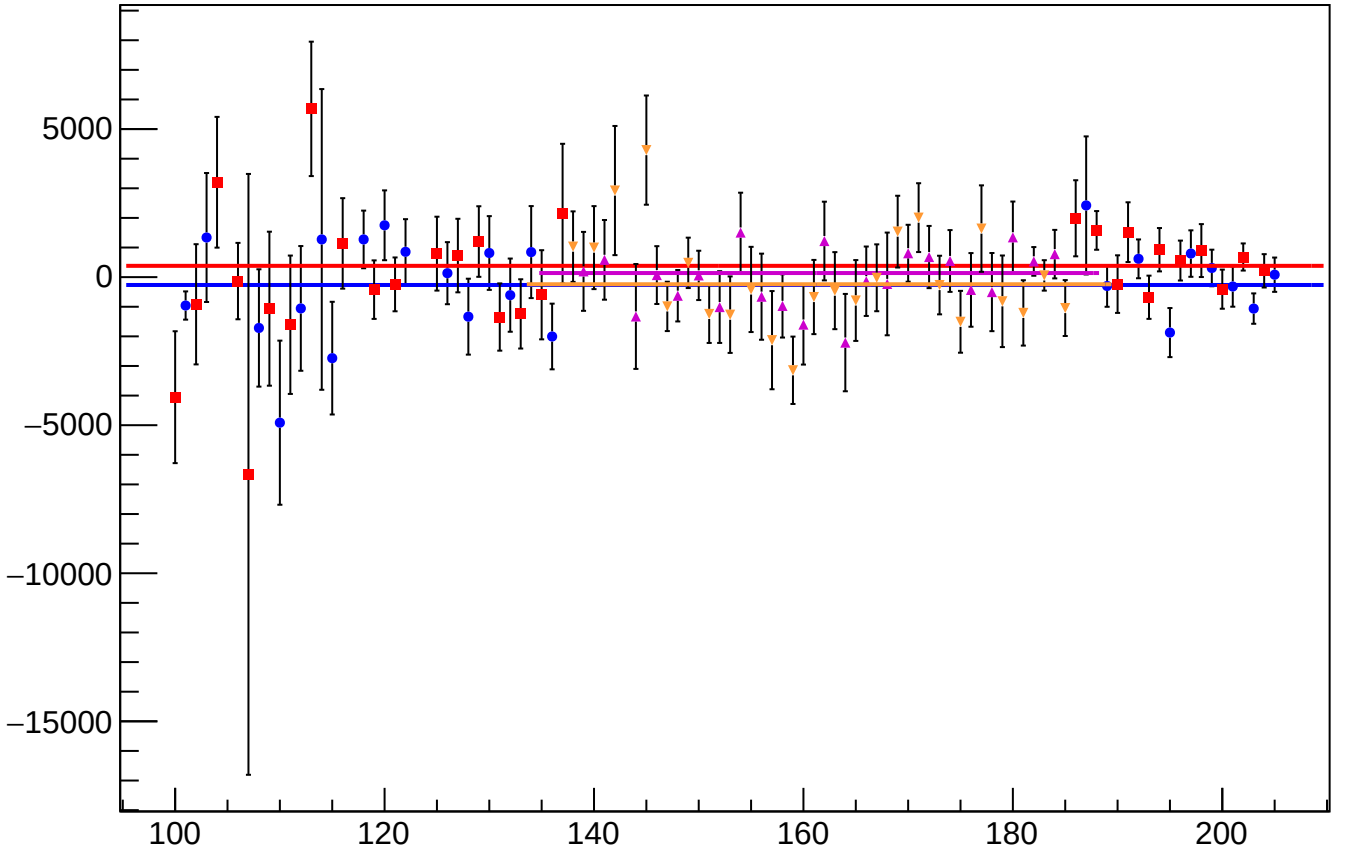
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.932+/-0.184 χ^2/NDF: 155528.6/48

All: 1493.424+/-0.130 χ^2/NDF: 486717.8/100

- sign 1501.887+/-0.184 χ^2/NDF: 326933.1/51

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 381.559+/-179.697 χ^2/NDF: 32.0/28

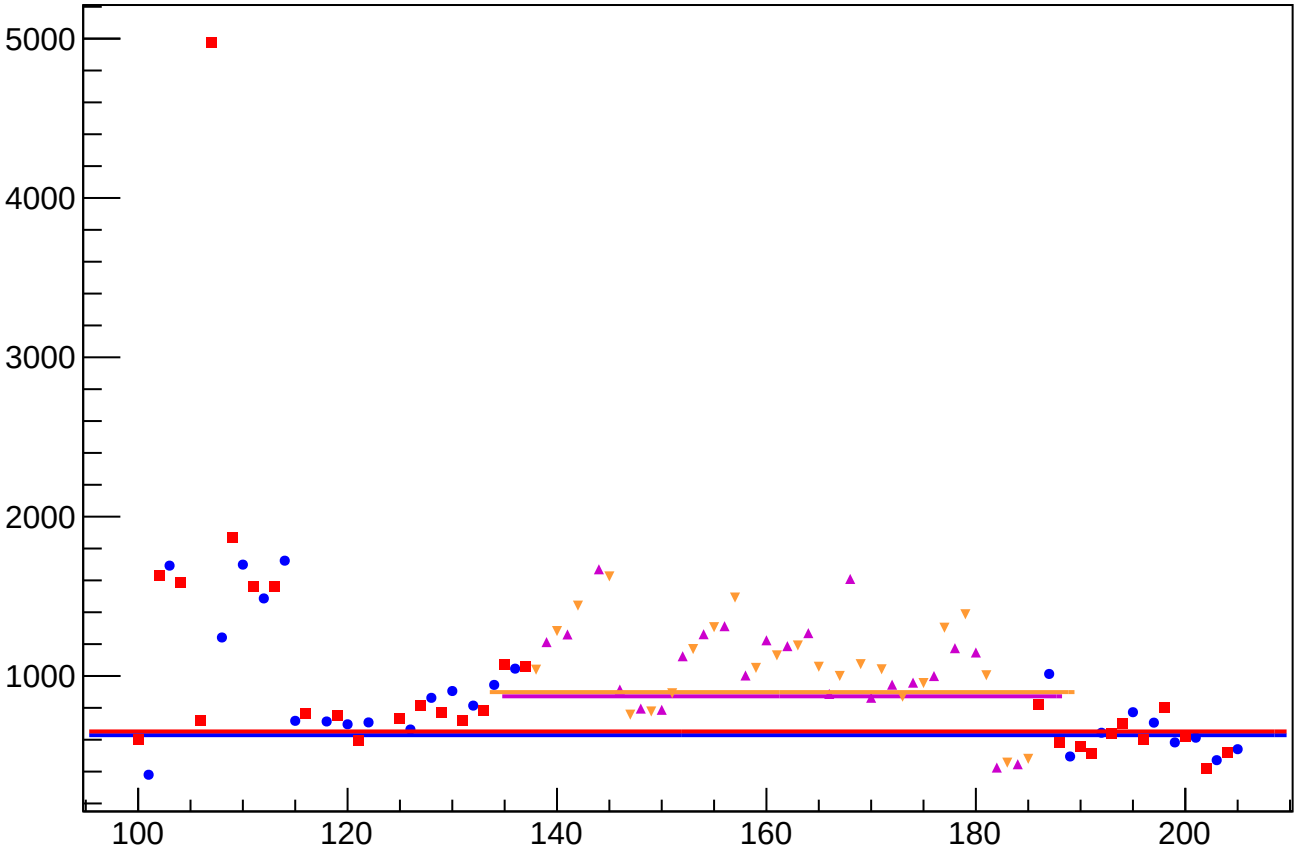
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -255.236+/-139.102 χ^2/NDF: 63.9/48

All: 14.723+/-98.248 χ^2/NDF: 117.1/100

- sign 283.448+/-138.784 χ^2/NDF: 45.7/51

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 628.568+/-0.126 χ^2/NDF: 3004974.4/24

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447655.7/28

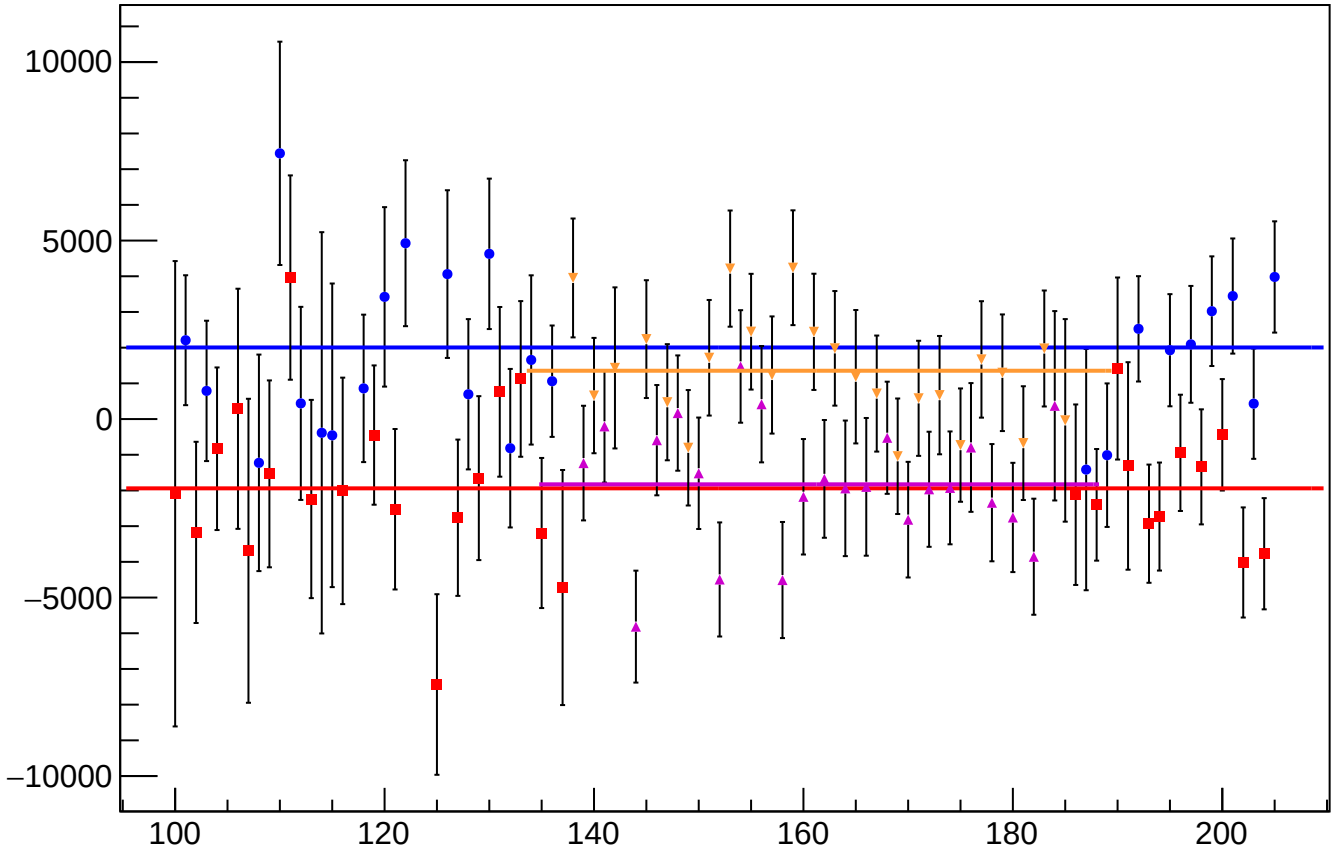
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 734.887+/-0.098 χ^2/NDF: 8598340.7/48

All: 737.927+/-0.069 χ^2/NDF: 17698471.2/10

- sign 740.953+/-0.098 χ^2/NDF: 9098224.0/51

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2005.445+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1940.867+/-395.973 χ^2/NDF: 22.4/28

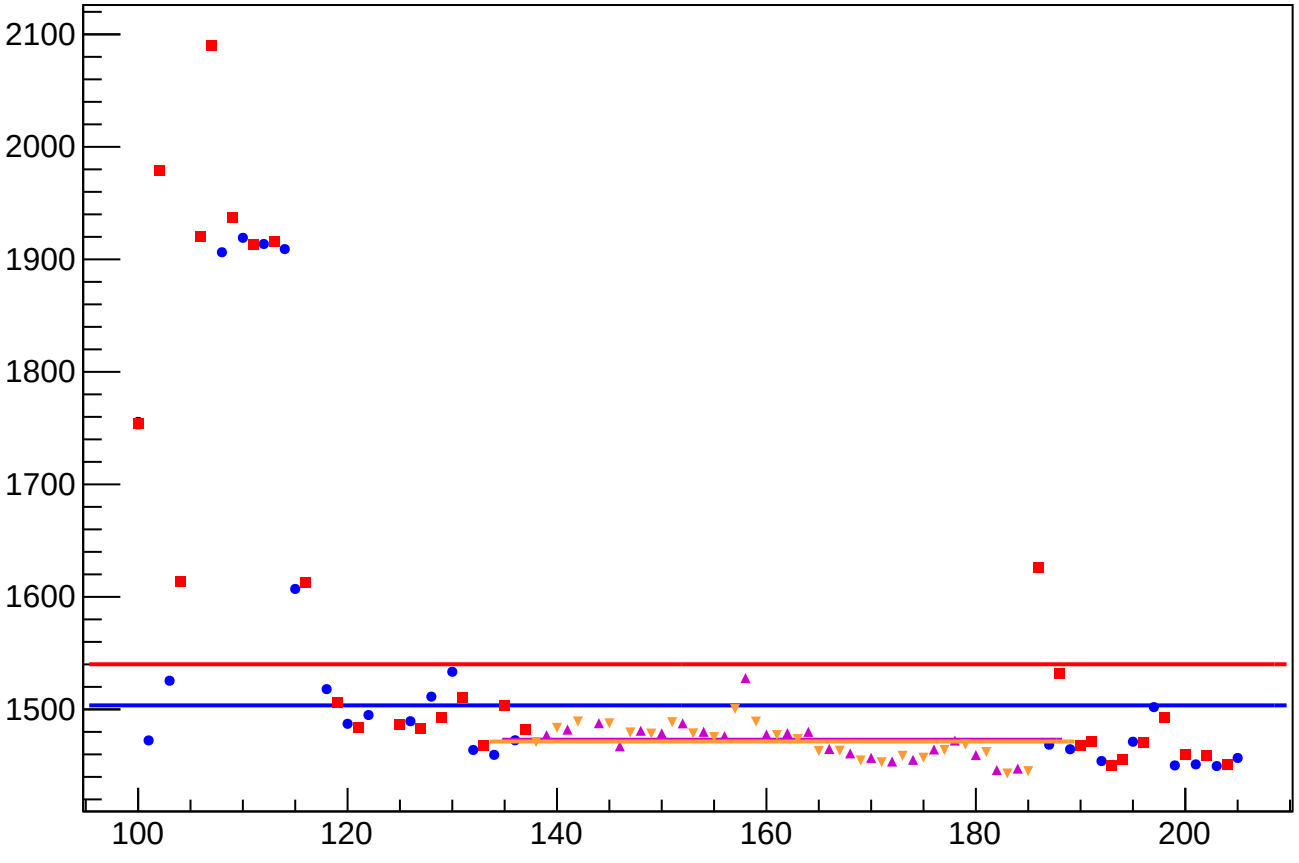
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1627.482+/-260.112 χ^2/NDF: 40.1/48

All: -127.584+/-183.770 χ^2/NDF: 179.2/100

- sign -1876.680+/-259.669 χ^2/NDF: 48.2/51

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

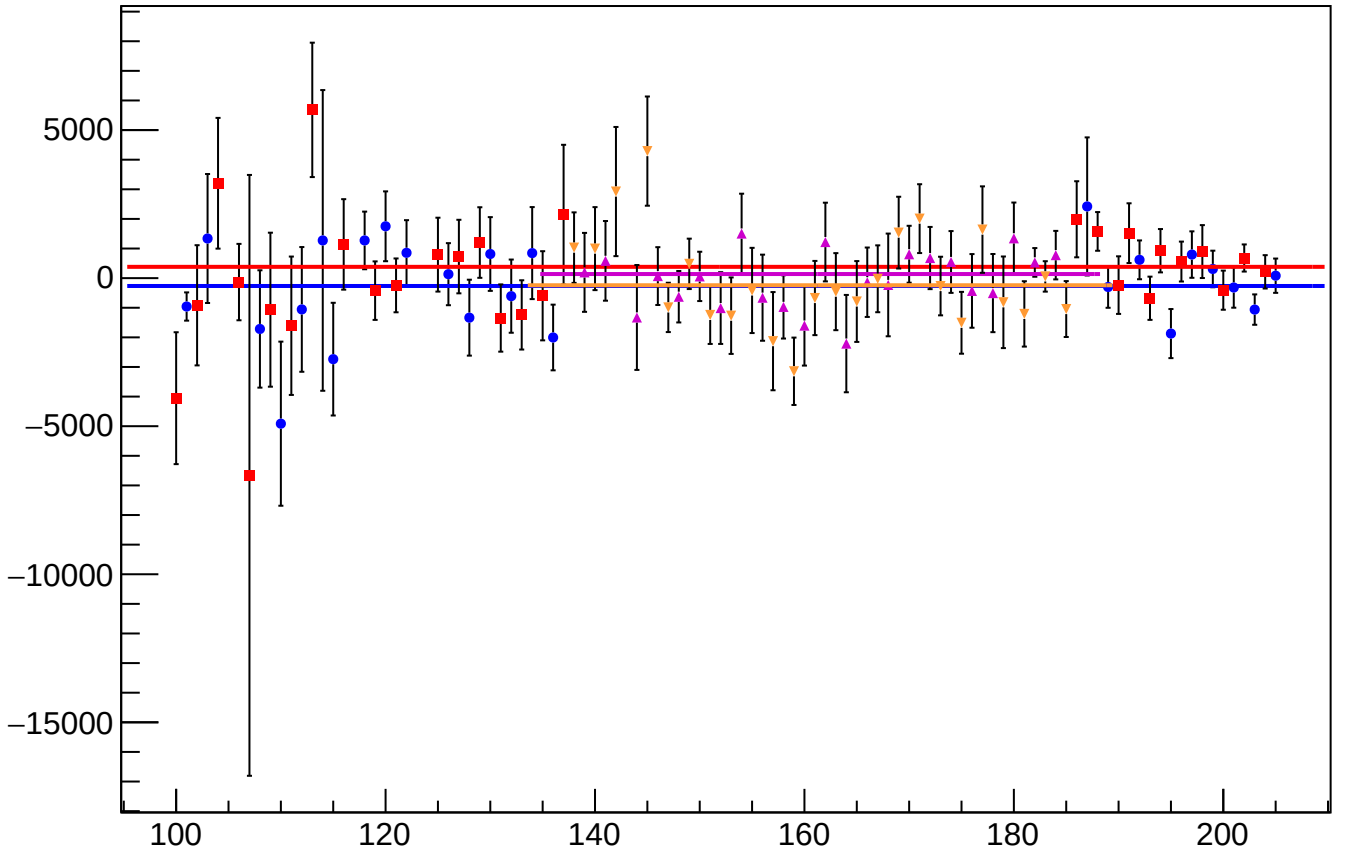
Right Out: 1540.108+/-0.280 χ^2/NDF: 289487.5/28

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.932+/-0.184 χ^2/NDF: 155528.5/48

All: 1493.424+/-0.130 χ^2/NDF: 486717.2/100

- sign 1501.887+/-0.184 χ^2/NDF: 326932.6/51



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 381.558+/-179.697 χ^2/NDF: 32.0/28

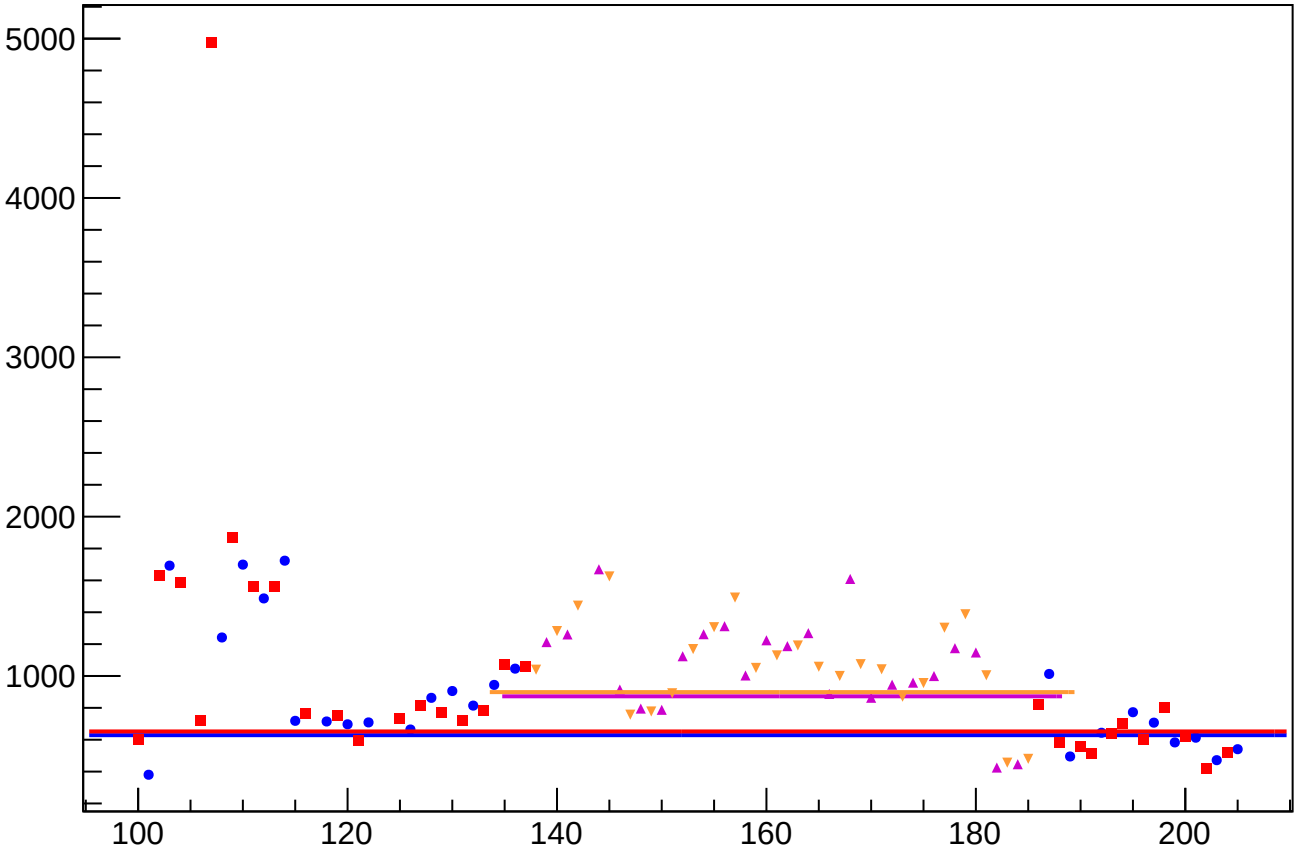
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -255.237+/-139.102 χ^2/NDF: 63.9/48

All: 14.722+/-98.248 χ^2/NDF: 117.1/100

- sign 283.448+/-138.784 χ^2/NDF: 45.7/51

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 628.568+/-0.126 χ^2/NDF: 3004967.6/24

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447653.1/28

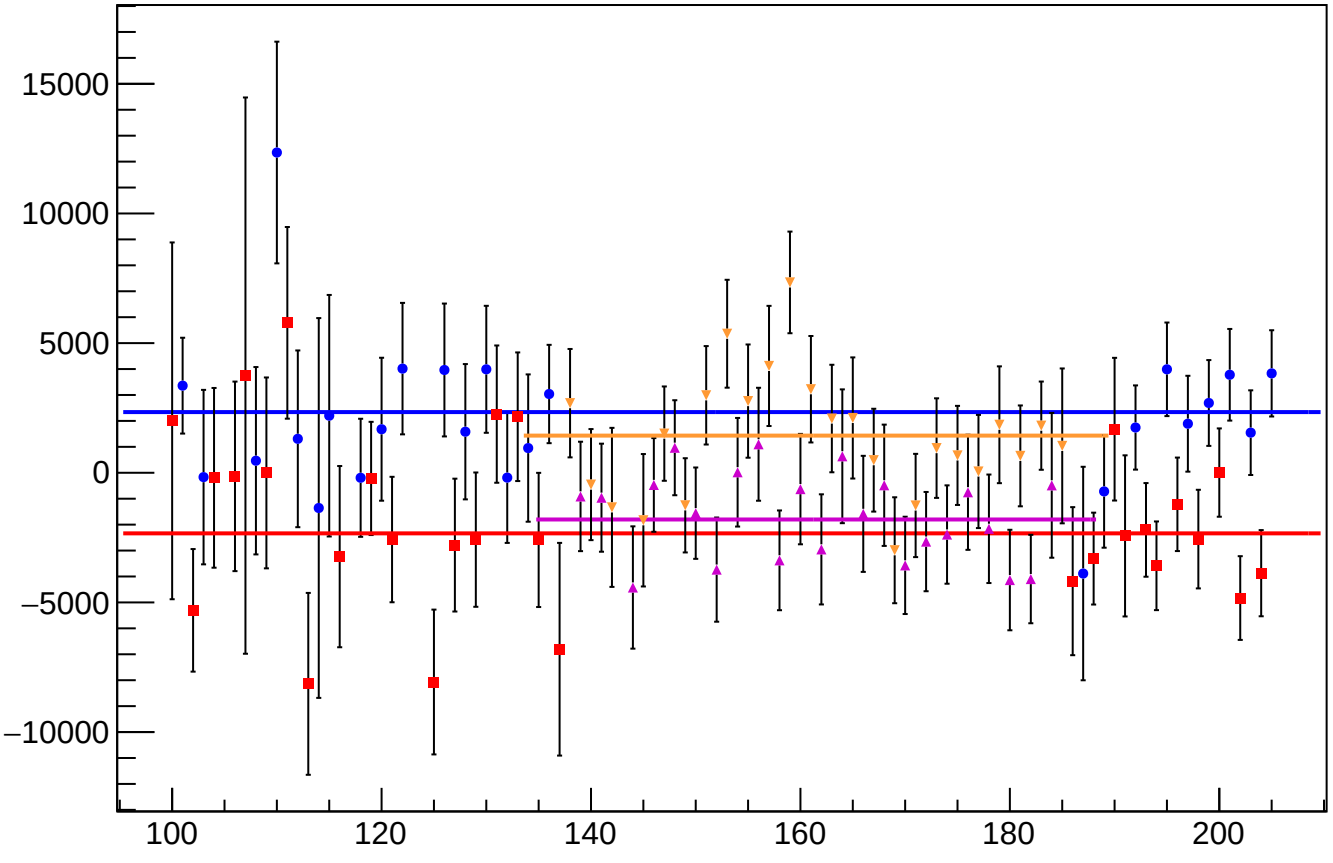
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 734.887+/-0.098 χ^2/NDF: 8598349.4/48

All: 737.927+/-0.069 χ^2/NDF: 17698493.0/10

- sign 740.954+/-0.098 χ^2/NDF: 9098237.2/51

asym_usl_atl1_avg_mean vs Slug



Right In: 2340.325+/-454.464 χ^2/NDF: 18.1/24

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2336.628+/-447.122 χ^2/NDF: 32.7/28

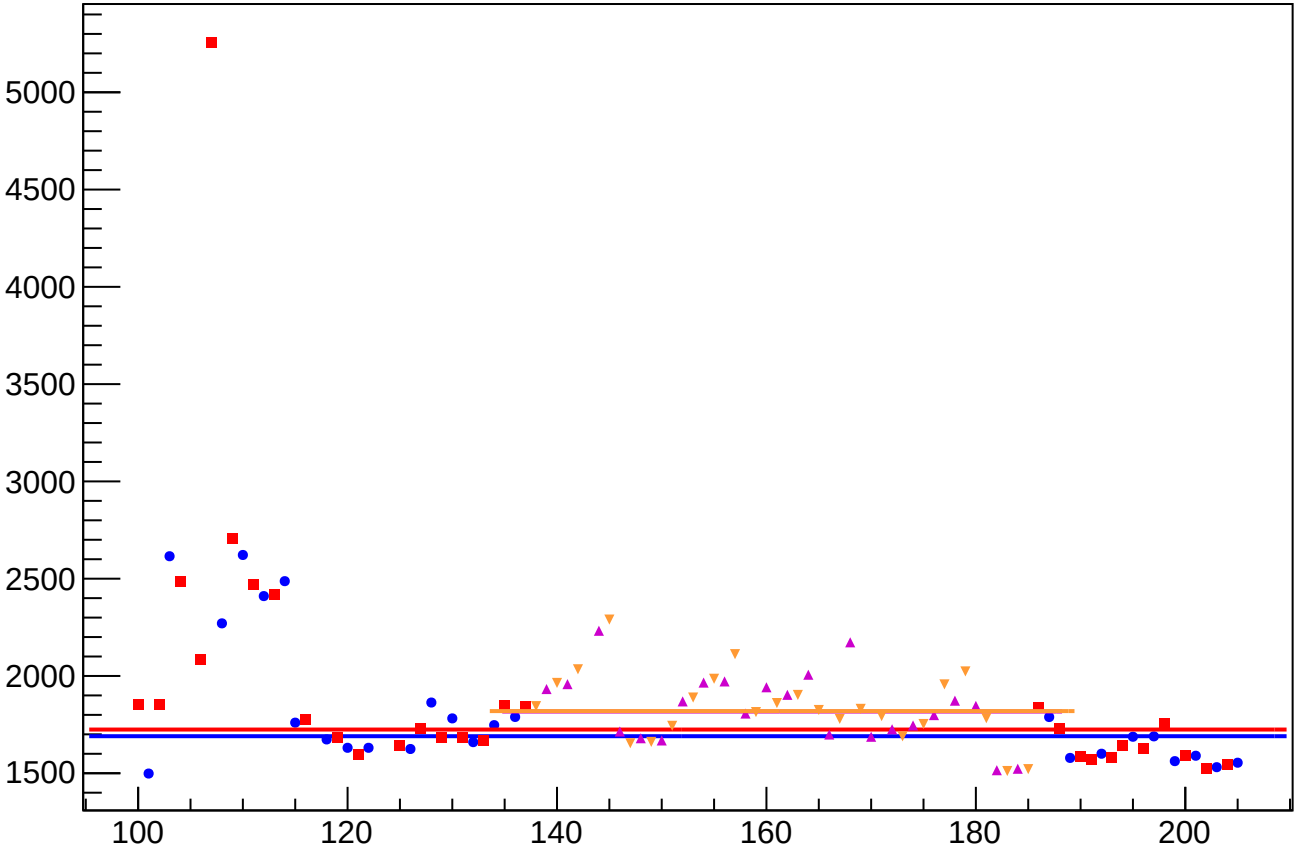
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1855.898+/-310.206 χ^2/NDF: 49.6/48

All: -110.380+/-218.781 χ^2/NDF: 178.3/100

- sign -2056.451+/-308.607 χ^2/NDF: 48.7/51

asym_usl_atl1_avg_rms vs Slug



Right In: 1690.392+/-0.321 χ^2/NDF: 517792.9/24

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1724.611+/-0.316 χ^2/NDF: 760670.0/28

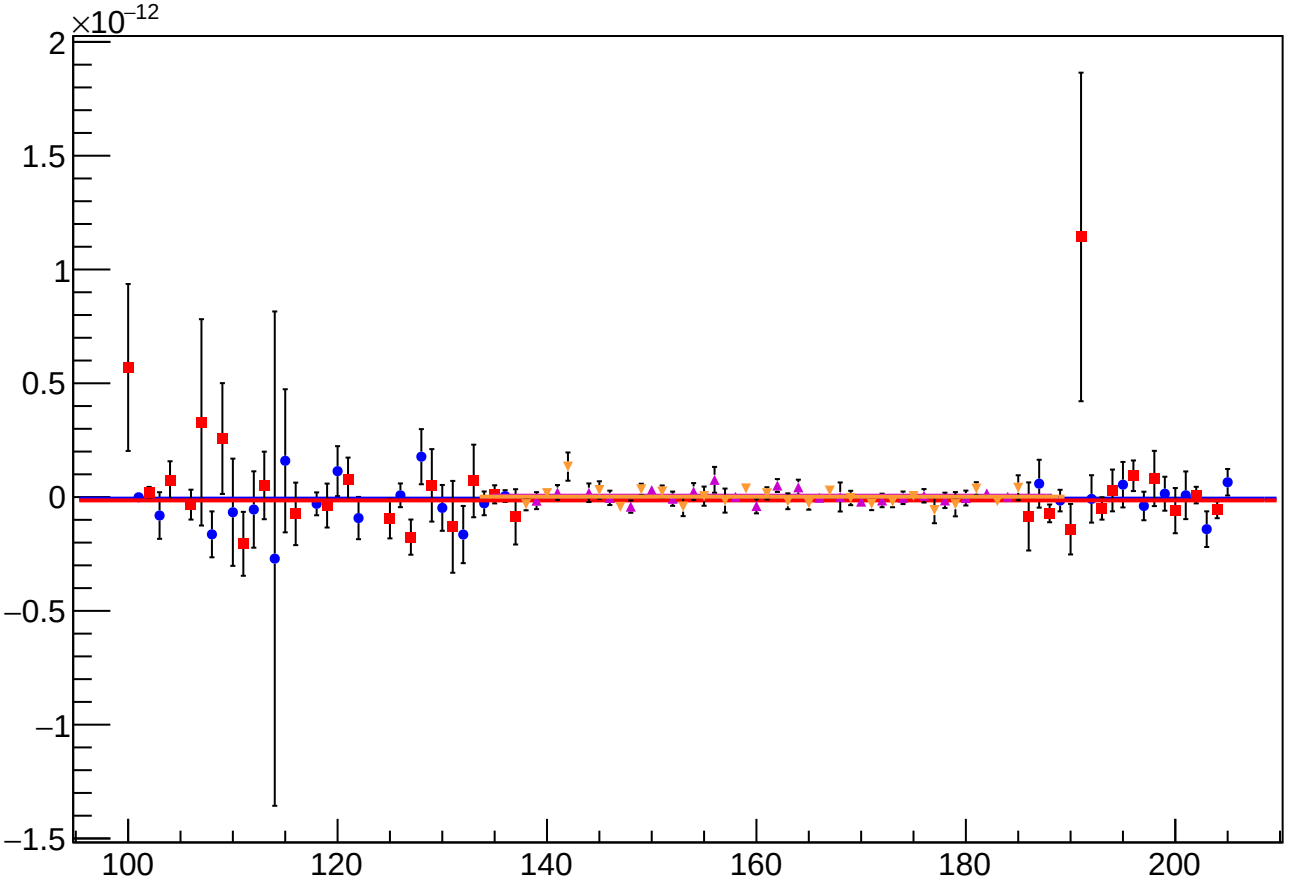
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1759.303+/-0.219 χ^2/NDF: 898906.9/48

All: 1766.218+/-0.155 χ^2/NDF: 2013506.8/10

- sign 1773.061+/-0.218 χ^2/NDF: 1112622.7/51

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

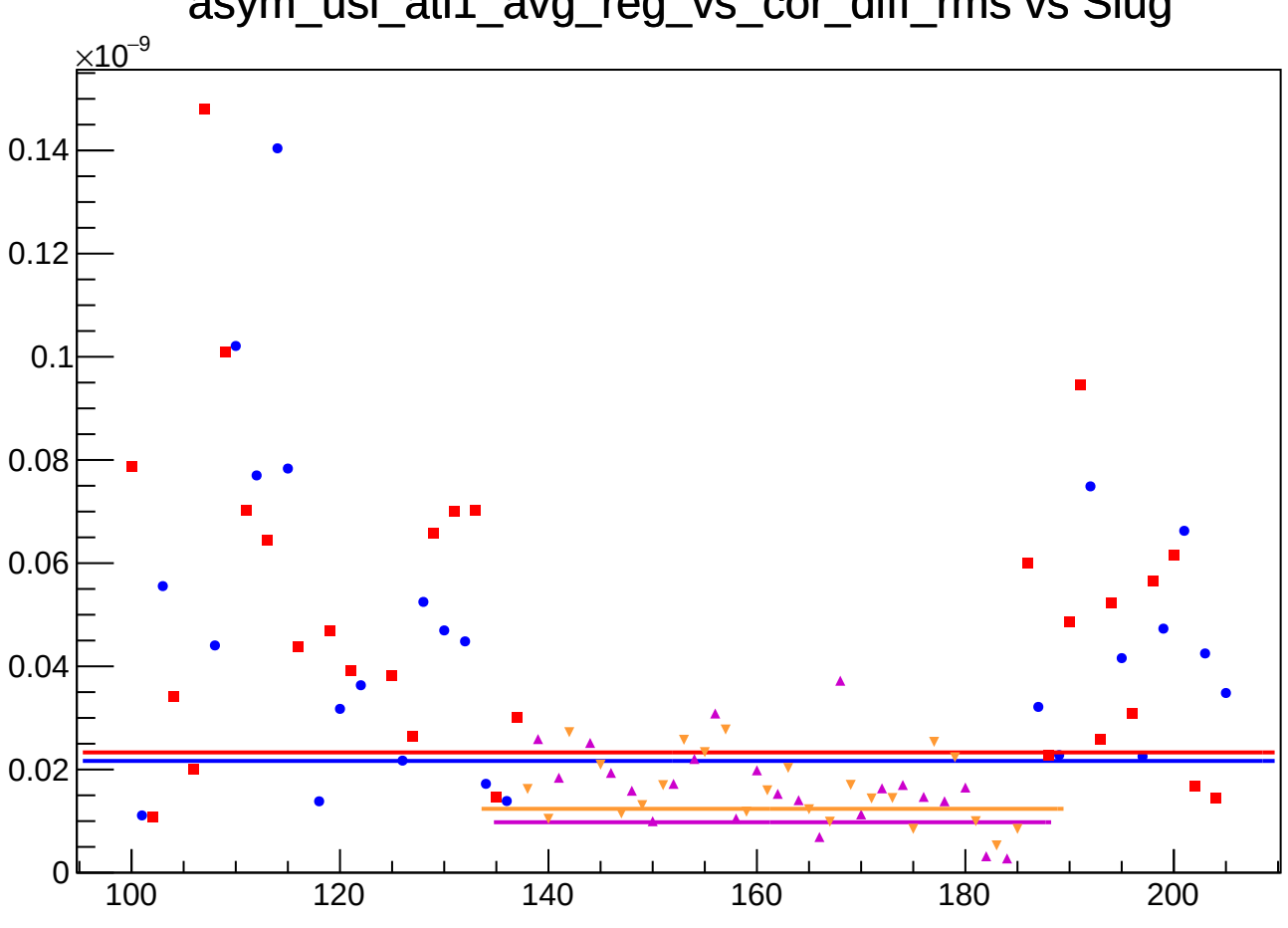
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/48

All: 0.000+/-0.000 χ^2/NDF: 95.6/100

- sign 0.000+/-0.000 χ^2/NDF: 49.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 3512038.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3210960.6/28

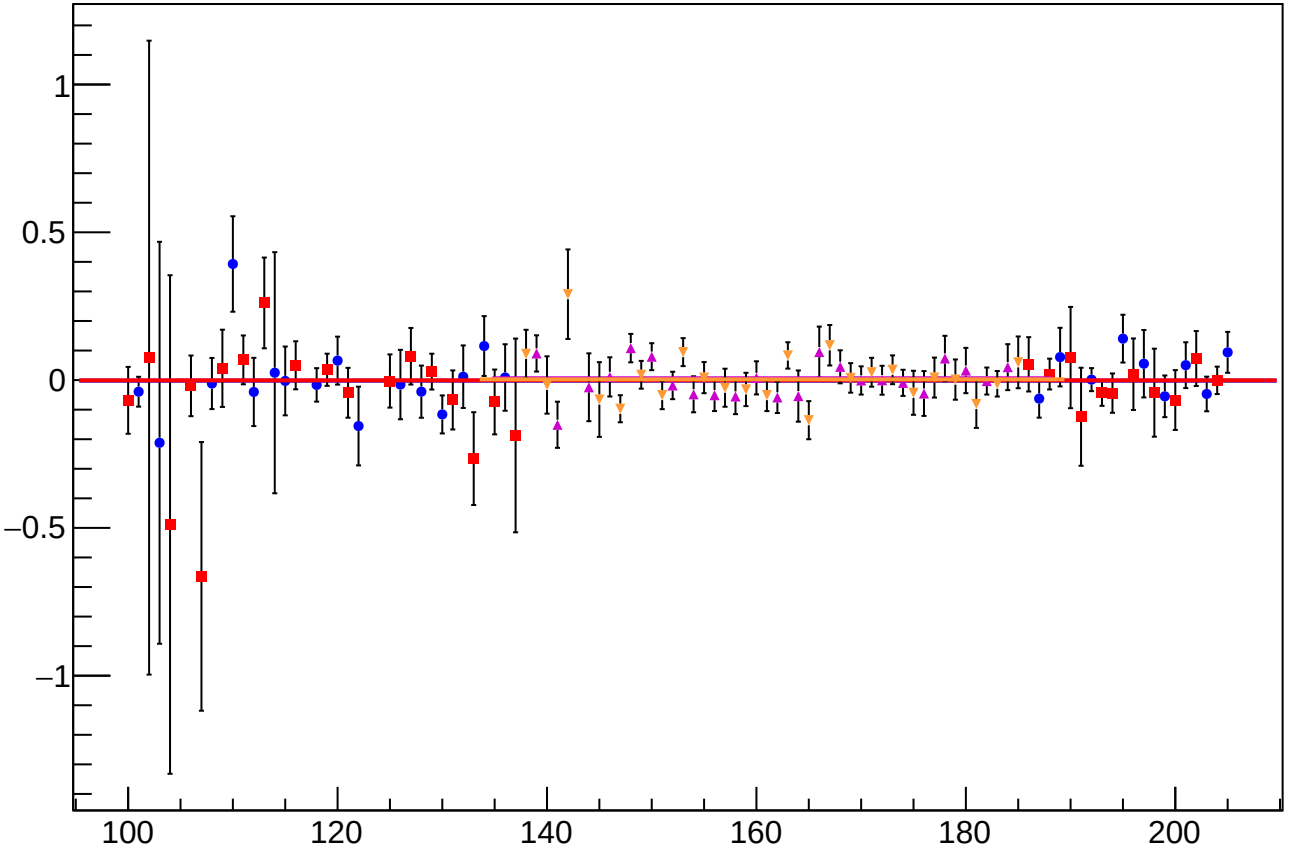
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6479341.2/48

All: 0.000+/-0.000 χ^2/NDF: 16612946.9/100

- sign 0.000+/-0.000 χ^2/NDF: 9827924.4/51

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

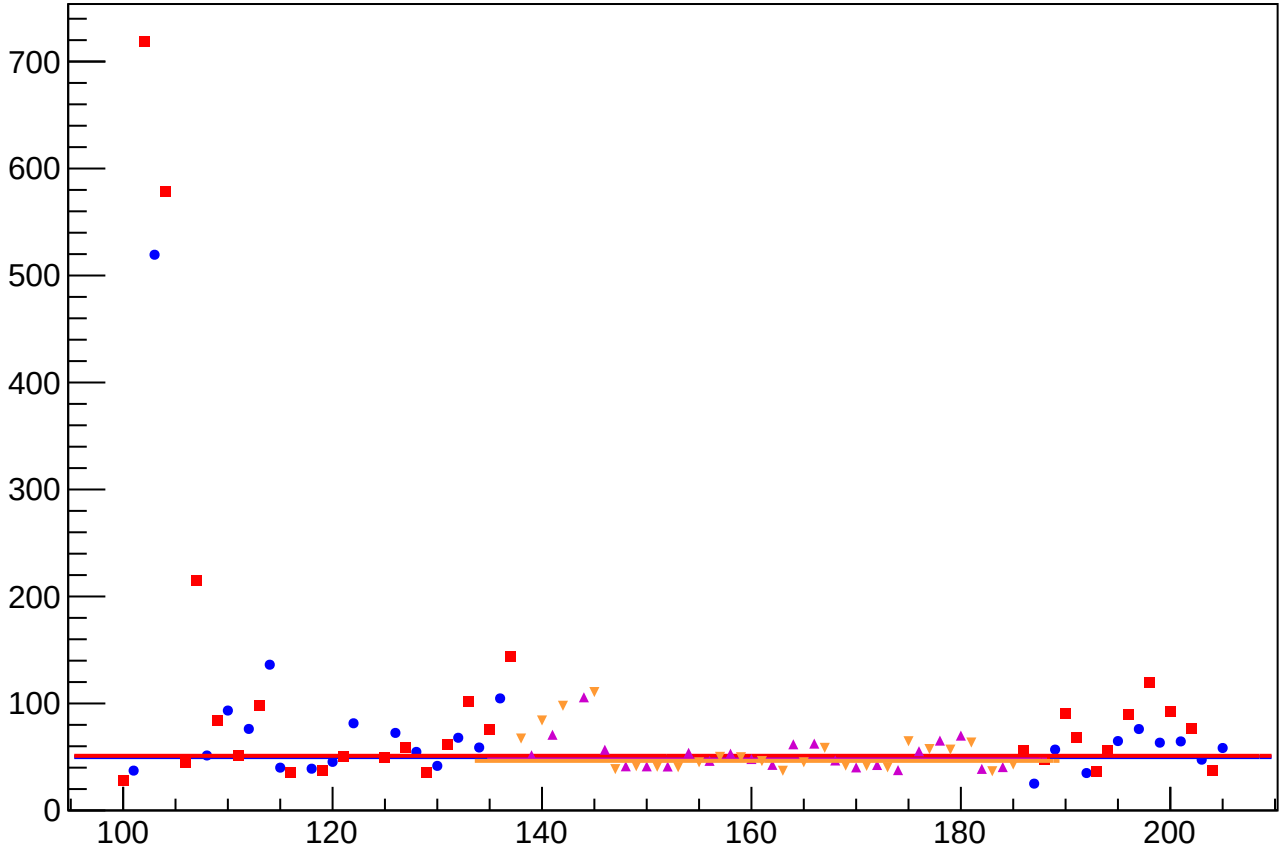
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 90.2/100

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

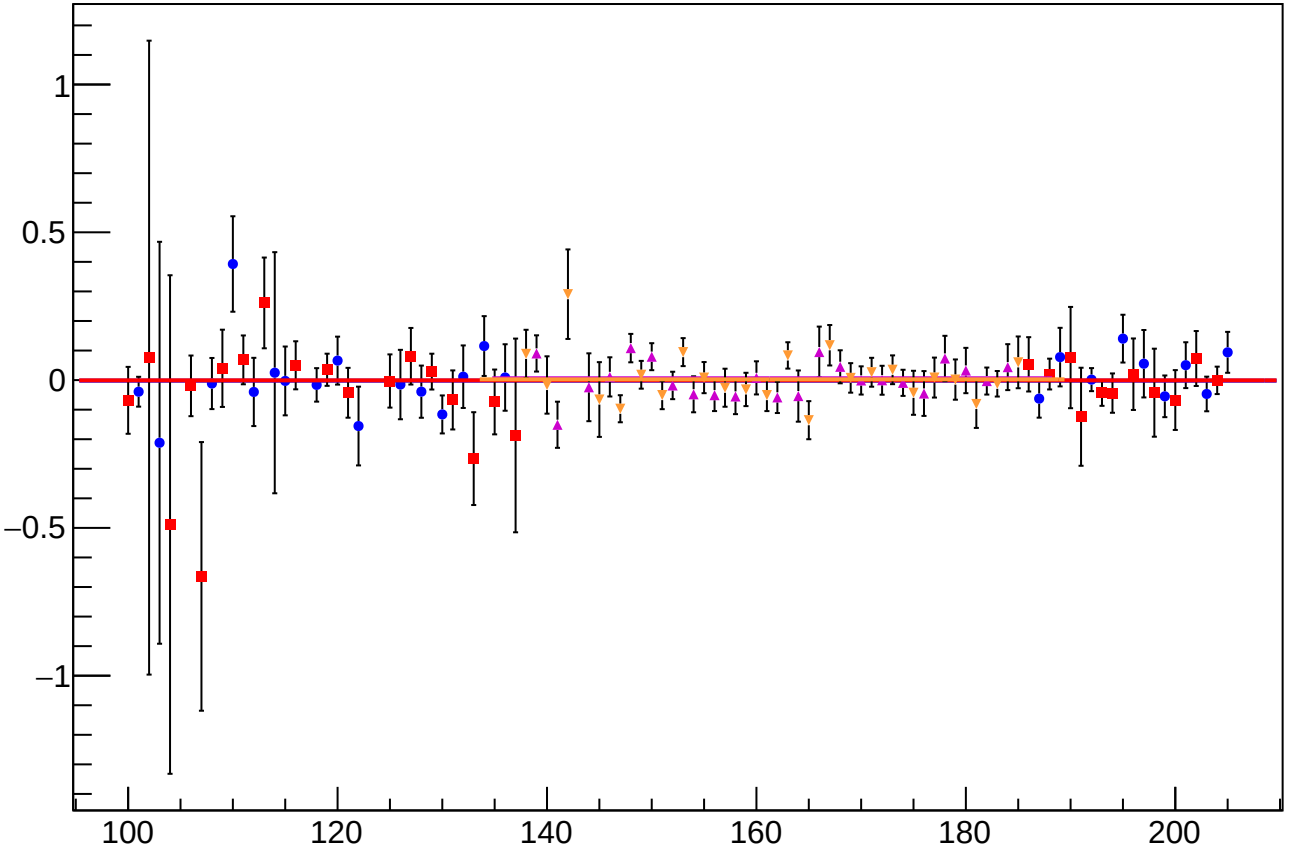
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271601.4/48

All: 48.230+/-0.005 χ^2/NDF: 11653440.7/100

- sign 48.852+/-0.007 χ^2/NDF: 6365634.4/51

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

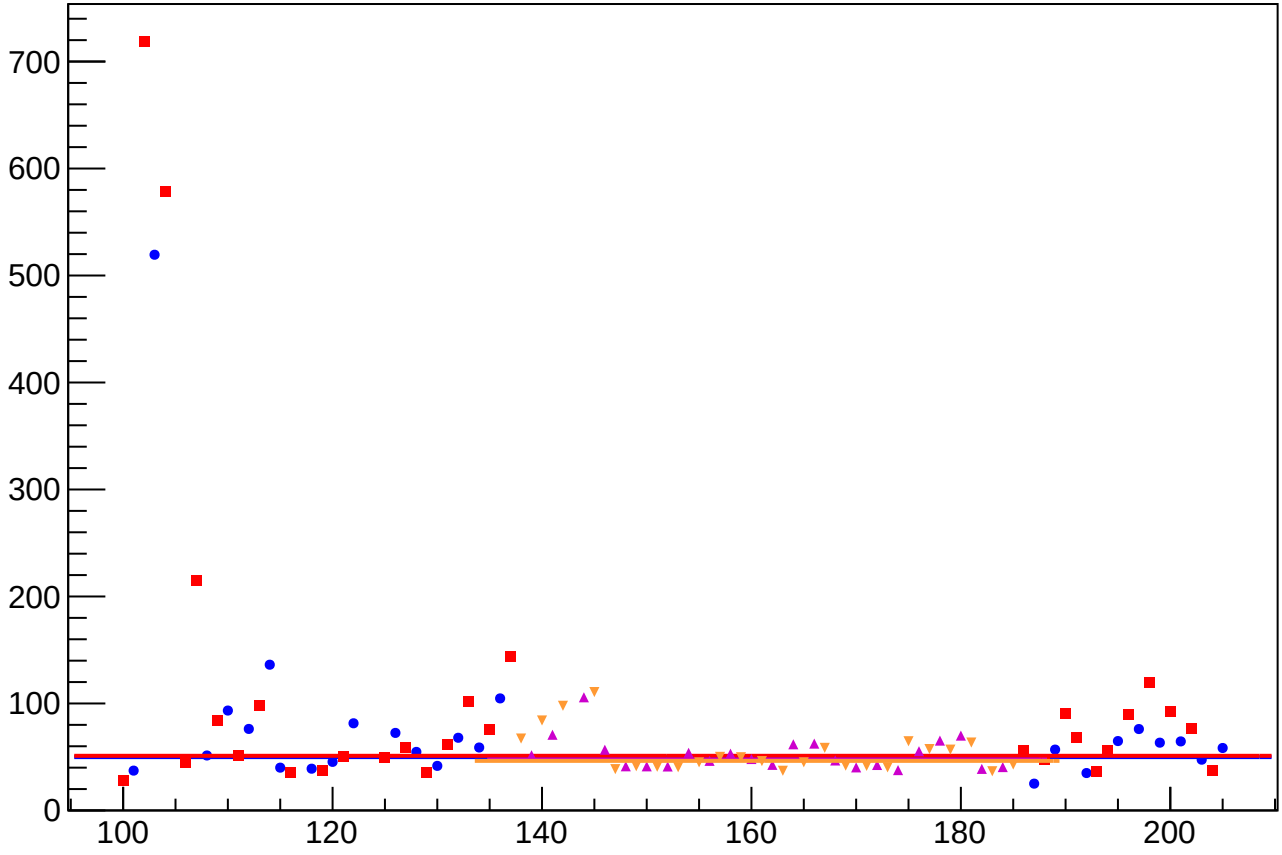
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 90.2/100

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

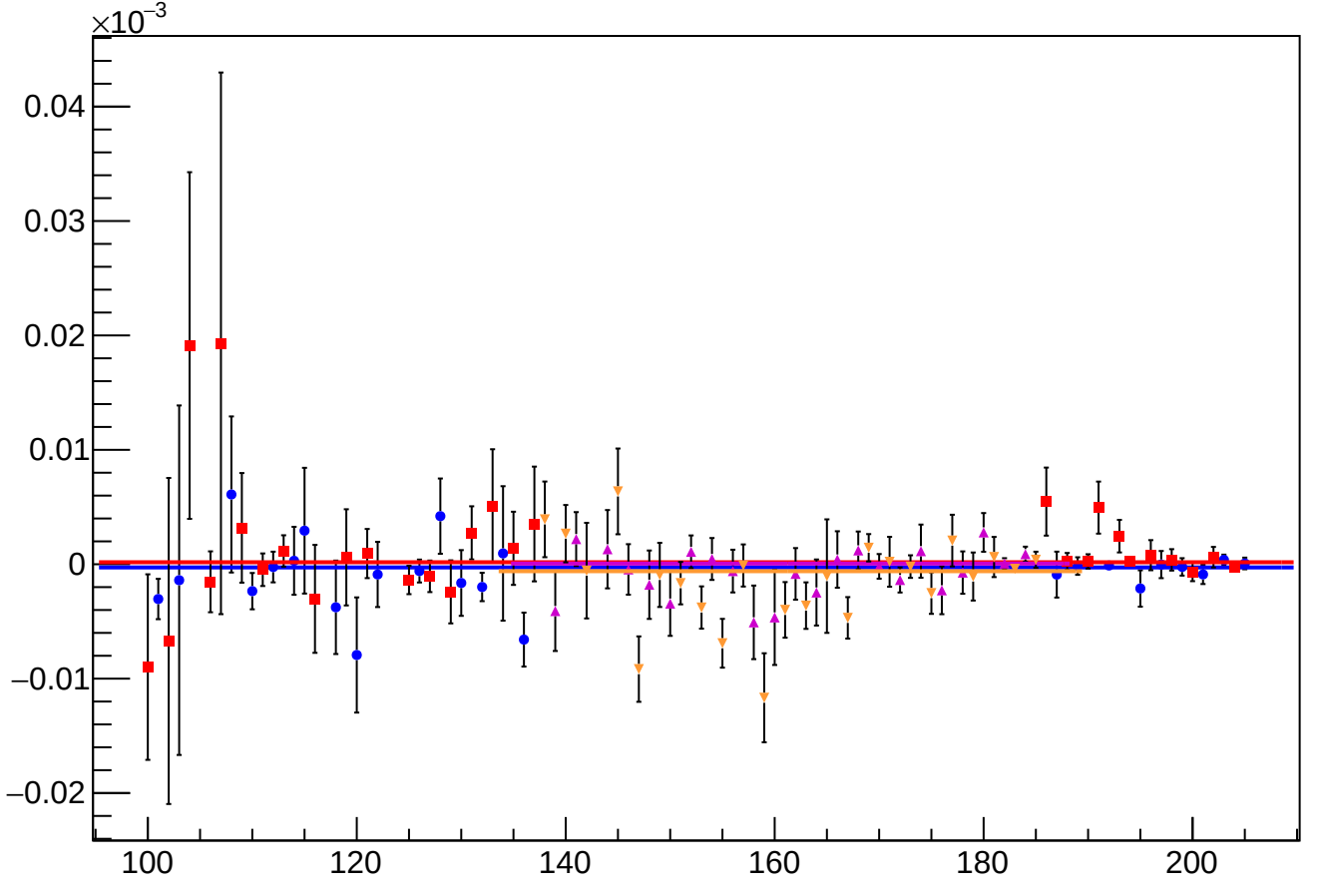
Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271601.4/48

All: 48.230+/-0.005 χ^2/NDF: 11653440.7/100

- sign 48.852+/-0.007 χ^2/NDF: 6365634.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

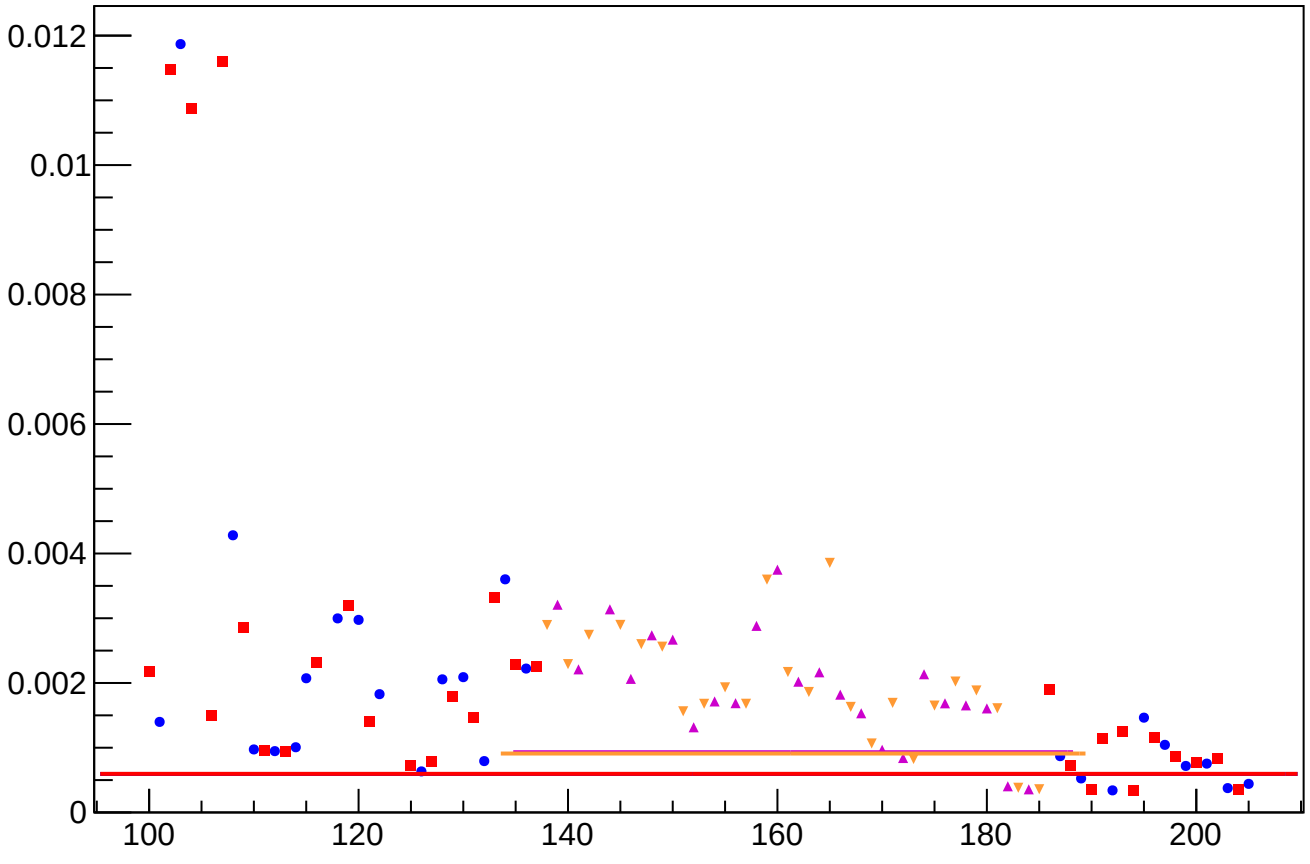
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.4/48

All: -0.000+/-0.000 χ^2/NDF: 127.4/100

- sign 0.000+/-0.000 χ^2/NDF: 42.7/51



Right In: 0.001+/-0.000 χ^2/NDF: 8978186.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

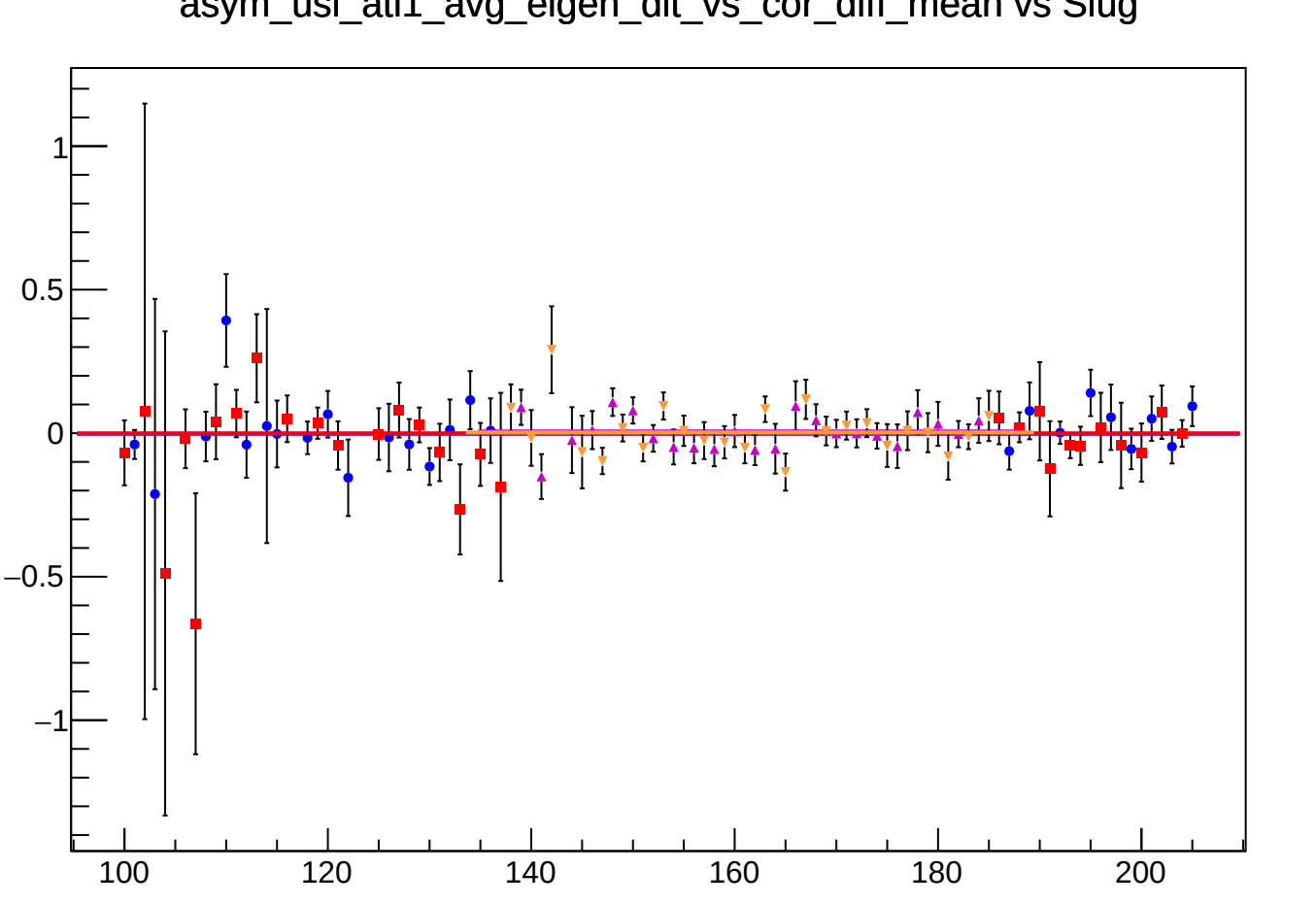
Right Out: 0.001+/-0.000 χ^2/NDF: 10655011.2/28

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 24809295.2/48

All: 0.001+/-0.000 χ^2/NDF: 51051112.7/100

- sign 0.001+/-0.000 χ^2/NDF: 26241620.1/51



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

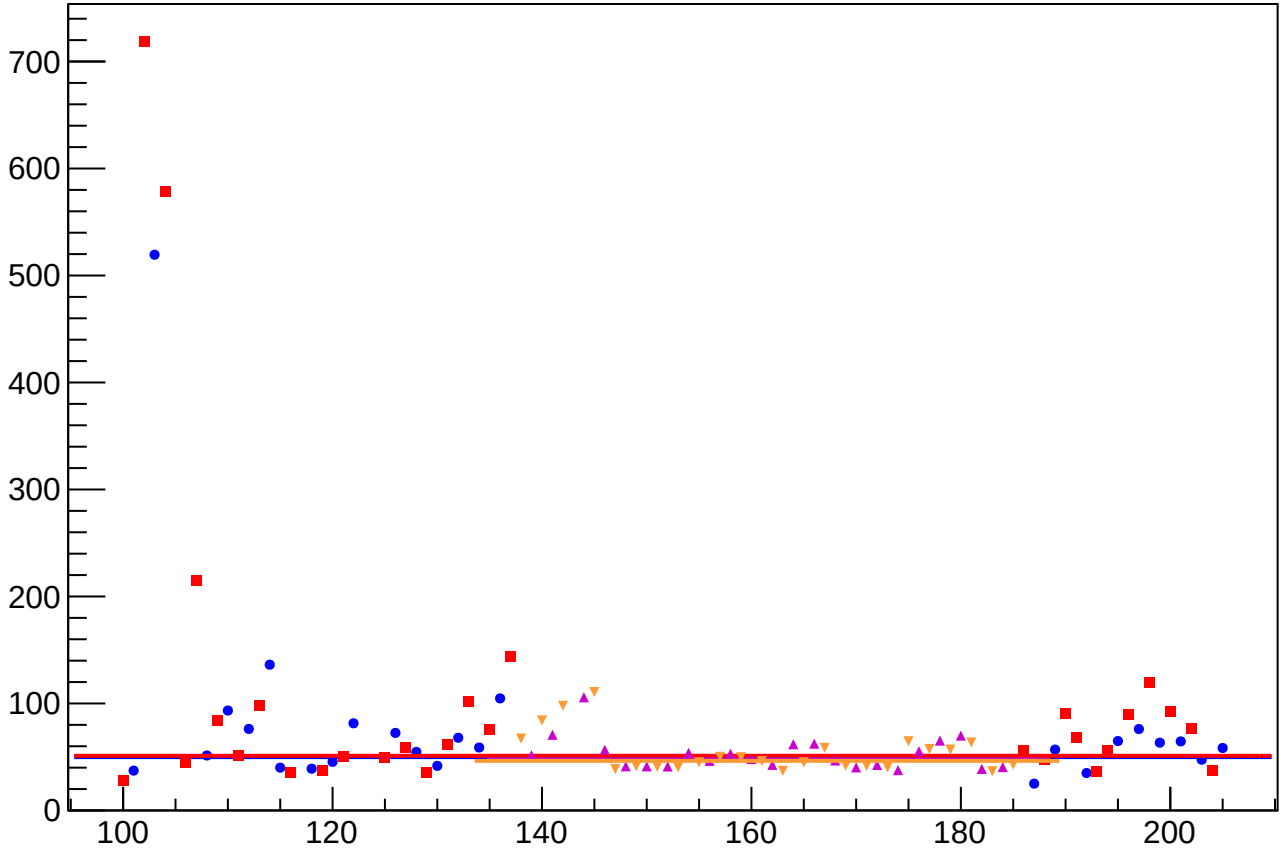
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 90.2/100

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

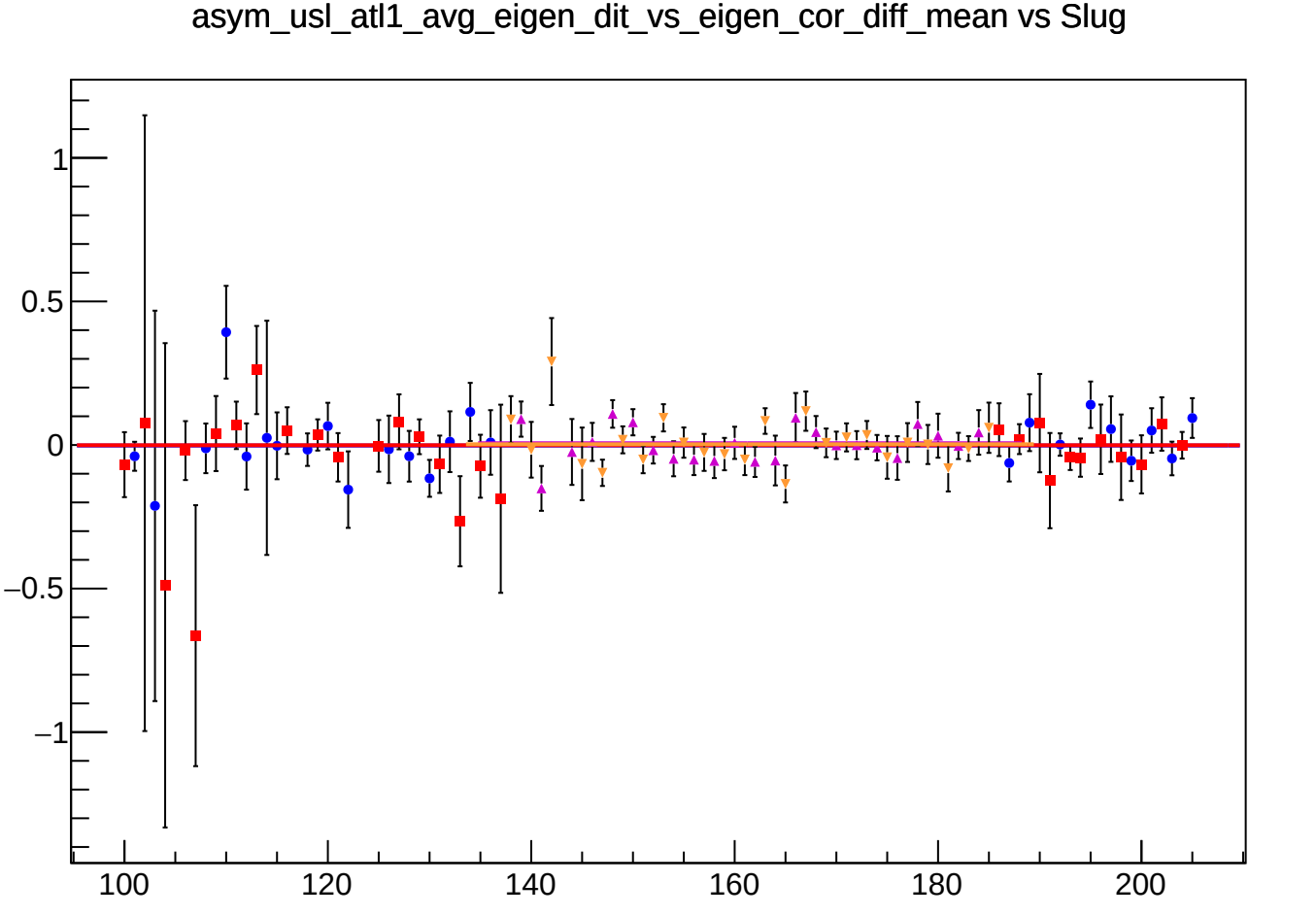
Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271586.3/48

All: 48.231+/-0.005 χ^2/NDF: 11653426.2/100

- sign 48.852+/-0.007 χ^2/NDF: 6365638.1/51



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

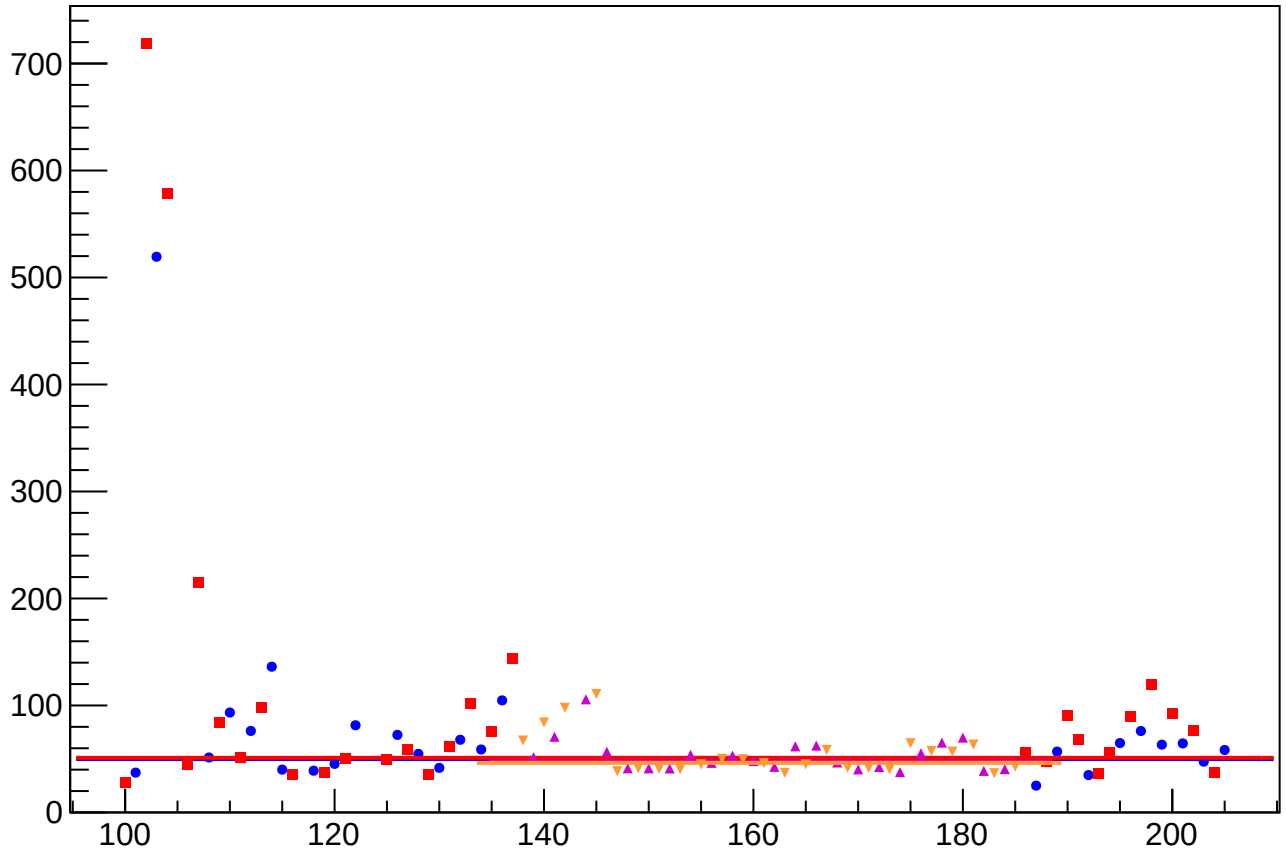
Right Out: -0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 90.2/100

- sign 0.004+/-0.010 χ^2/NDF: 38.2/51



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

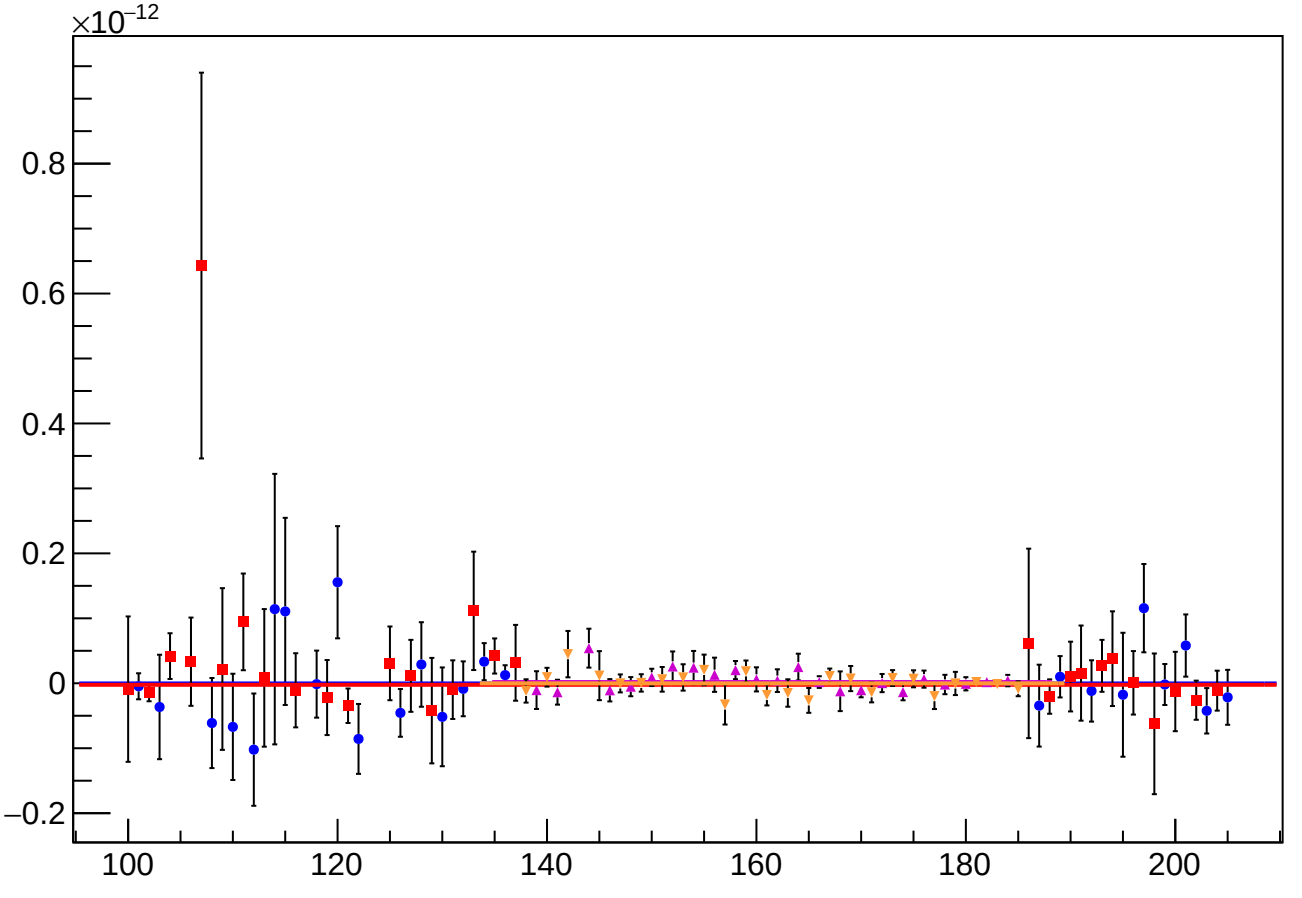
Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271586.3/48

All: 48.231+/-0.005 χ^2/NDF: 11653426.2/100

- sign 48.852+/-0.007 χ^2/NDF: 6365638.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

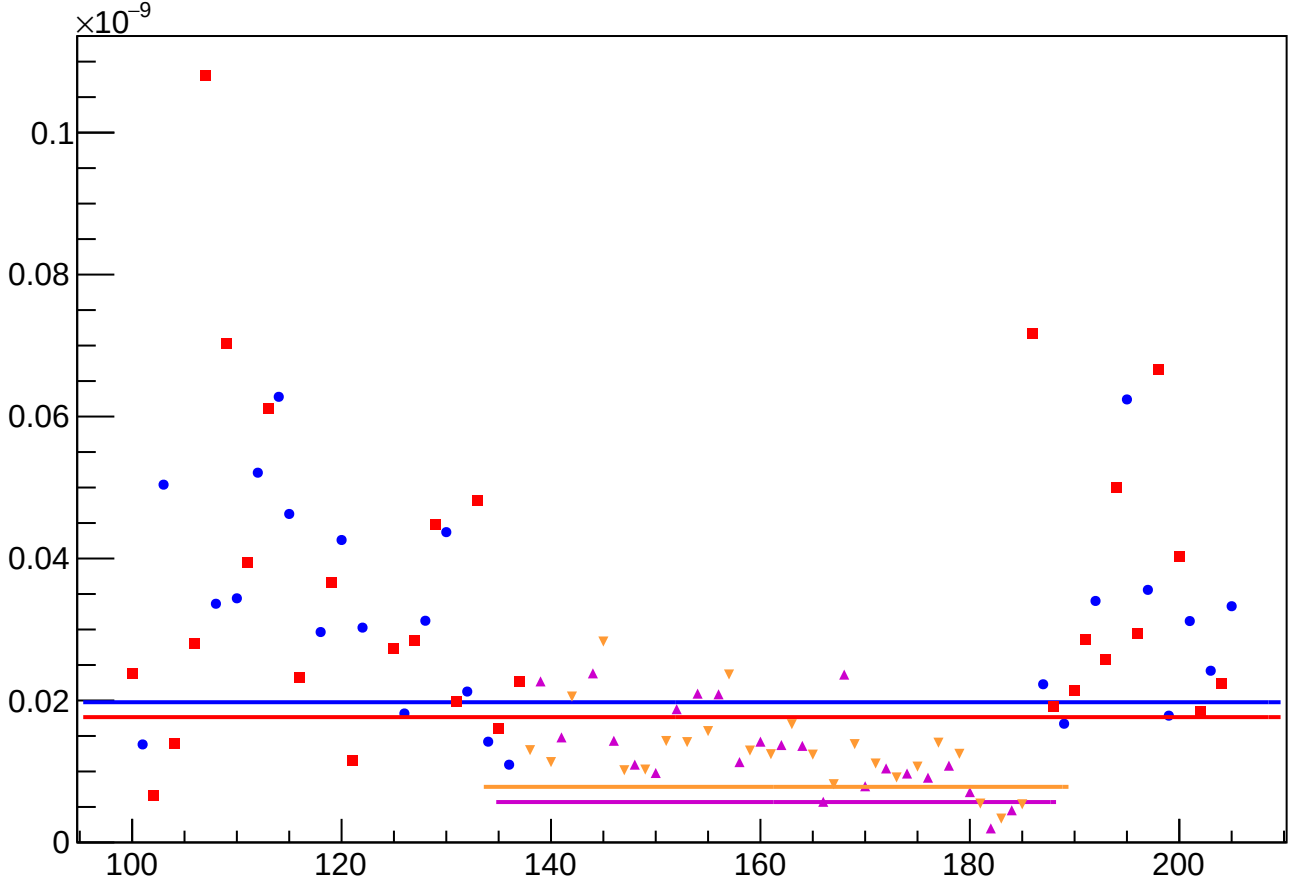
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/28

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/48

All: 0.000+/-0.000 χ^2/NDF: 67.2/100

- sign 0.000+/-0.000 χ^2/NDF: 32.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 3417975.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5176448.6/28

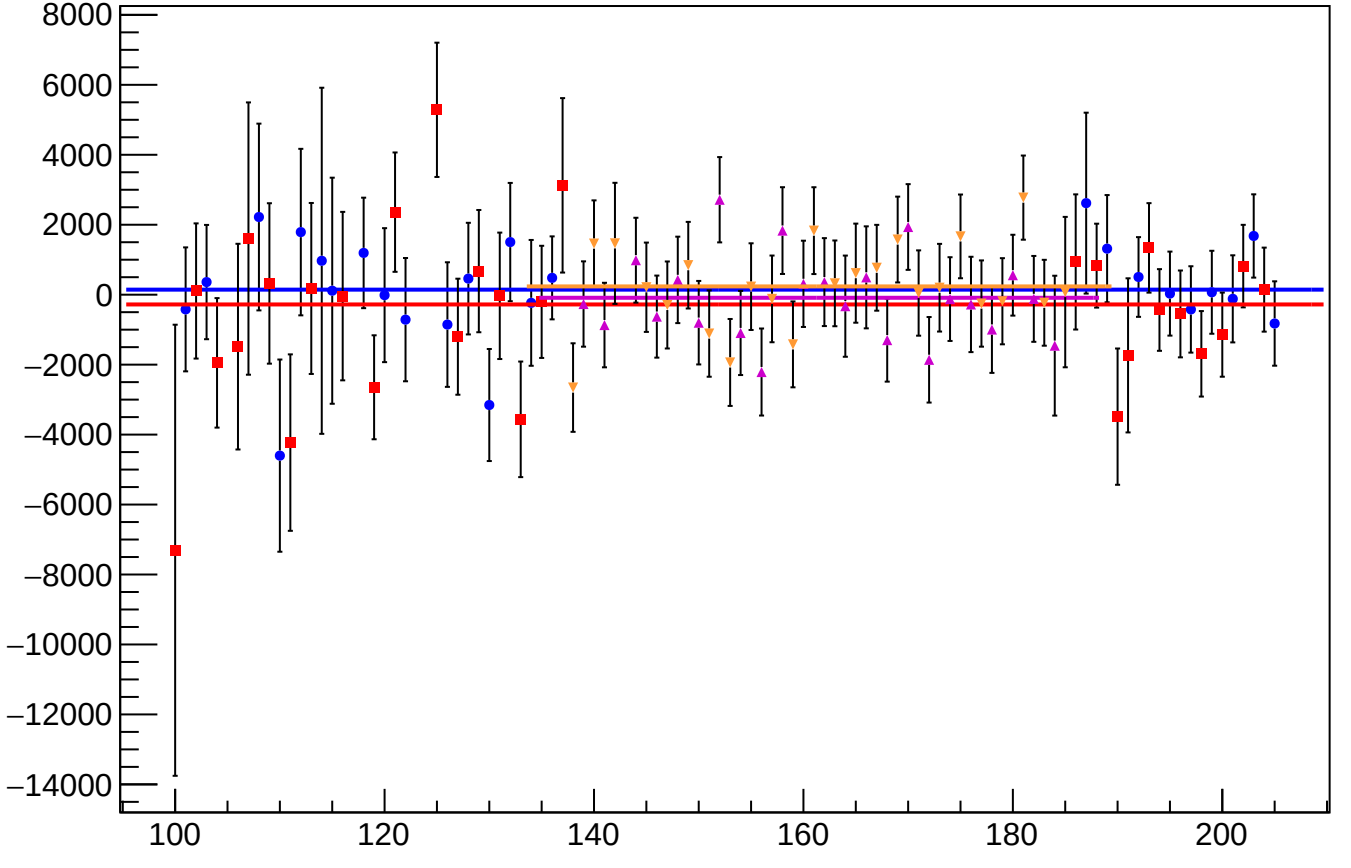
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13998490.9/48

All: 0.000+/-0.000 χ^2/NDF: 36308490.1/100

- sign 0.000+/-0.000 χ^2/NDF: 21197856.1/51

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 144.308+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -279.033+/-306.689 χ^2/NDF: 33.7/28

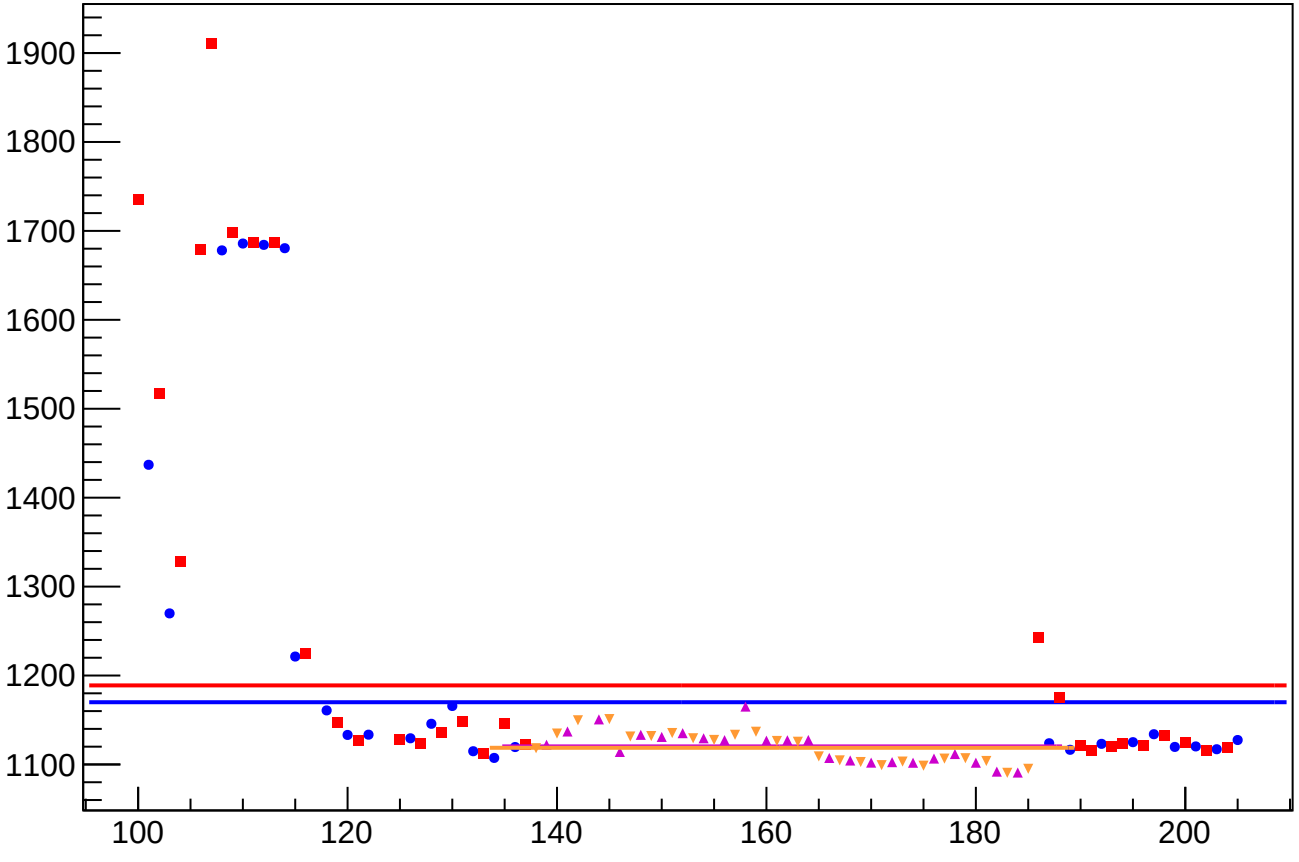
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 199.024+/-199.936 χ^2/NDF: 37.2/48

All: 14.340+/-141.055 χ^2/NDF: 93.7/100

- sign -168.675+/-199.031 χ^2/NDF: 54.8/51

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.3/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1188.897+/-0.217 χ^2/NDF: 535534.4/28

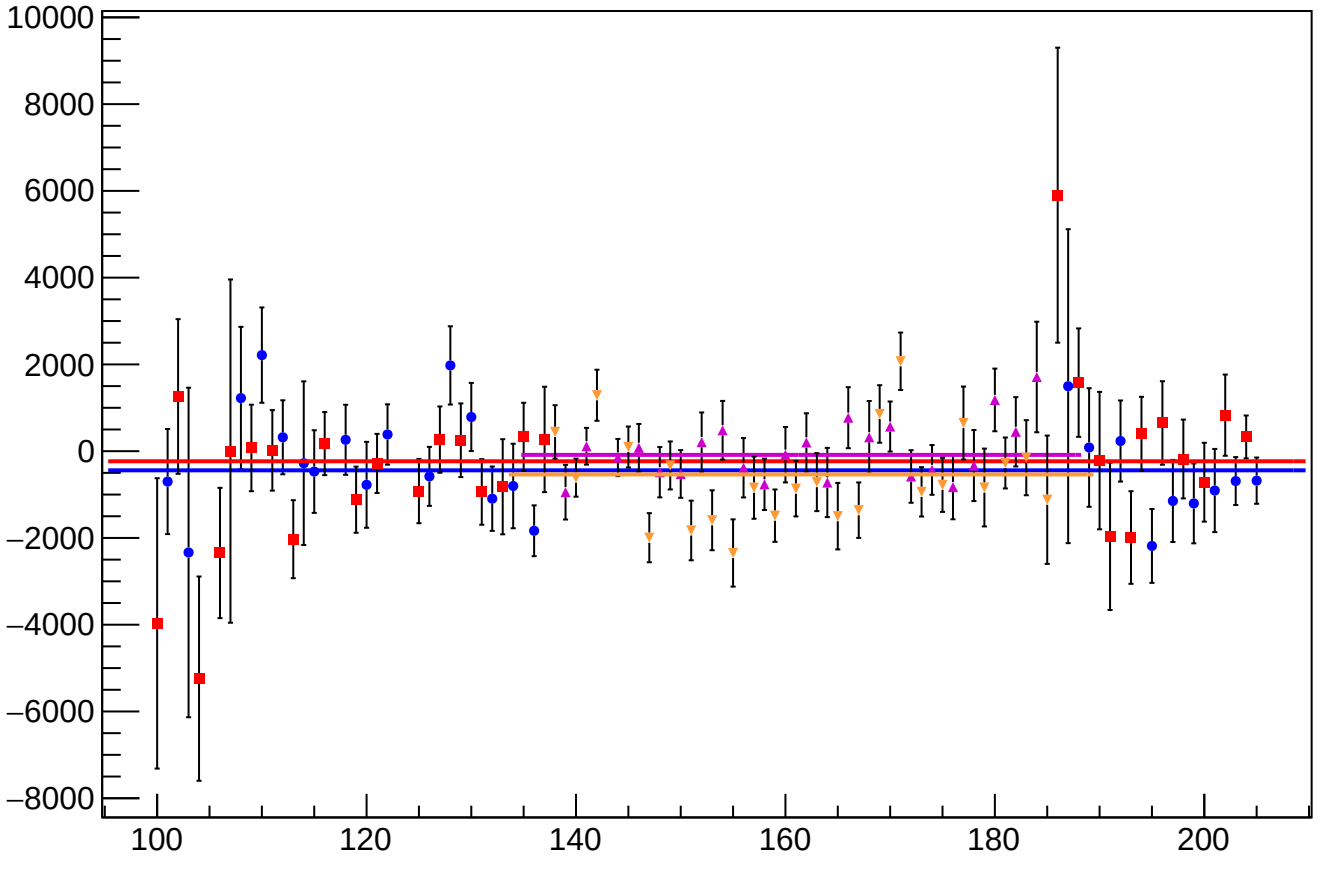
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.599+/-0.141 χ^2/NDF: 386409.6/48

All: 1144.419+/-0.100 χ^2/NDF: 991640.1/100

- sign 1149.195+/-0.141 χ^2/NDF: 602916.3/51

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -441.412+/-172.892 χ^2/NDF: 33.5/24

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -232.614+/-175.335 χ^2/NDF: 31.1/28

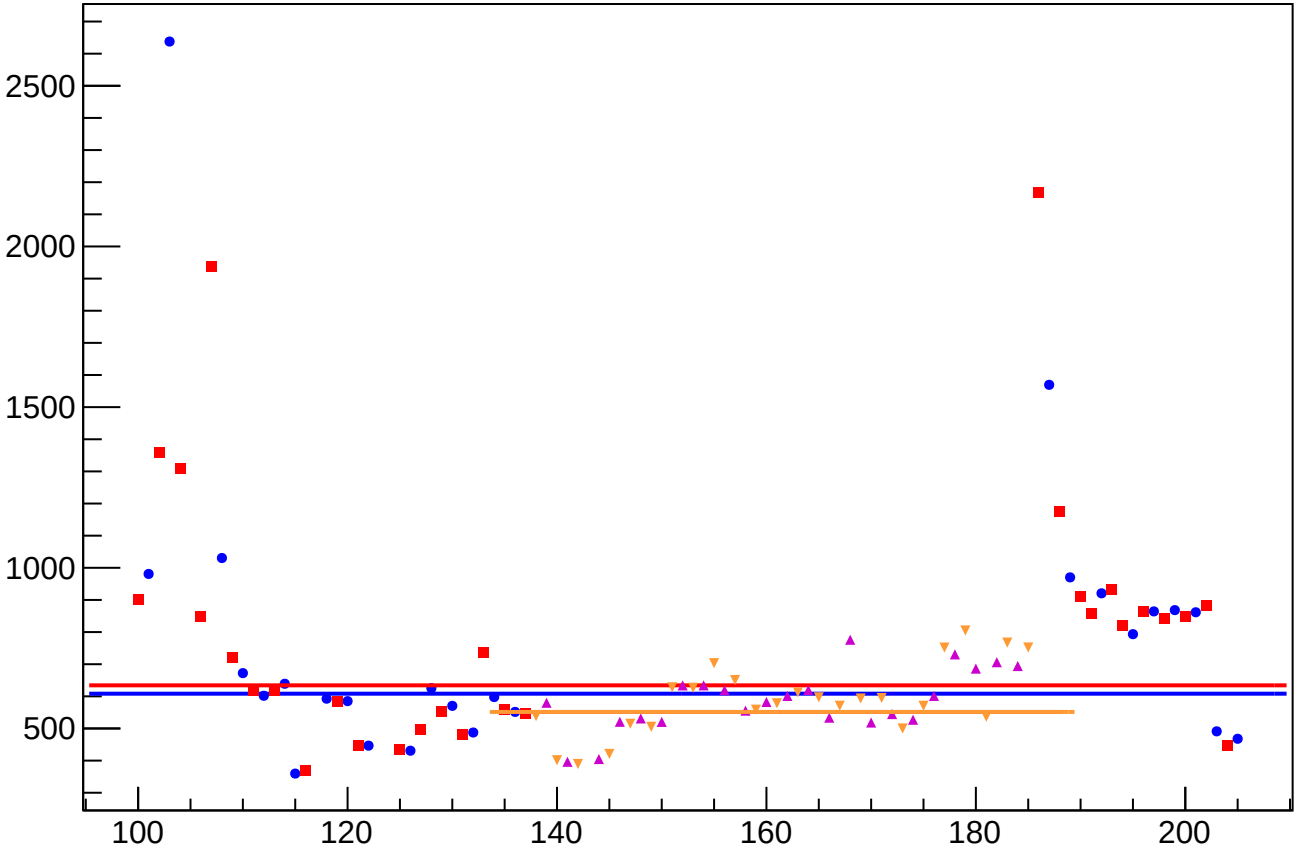
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -501.556+/-104.233 χ^2/NDF: 95.3/48

All: -320.996+/-73.948 χ^2/NDF: 150.0/100

- sign -138.027+/-104.926 χ^2/NDF: 48.7/51

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 608.249+/-0.122 χ^2/NDF: 2634164.0/24

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 634.237+/-0.124 χ^2/NDF: 3454414.0/28

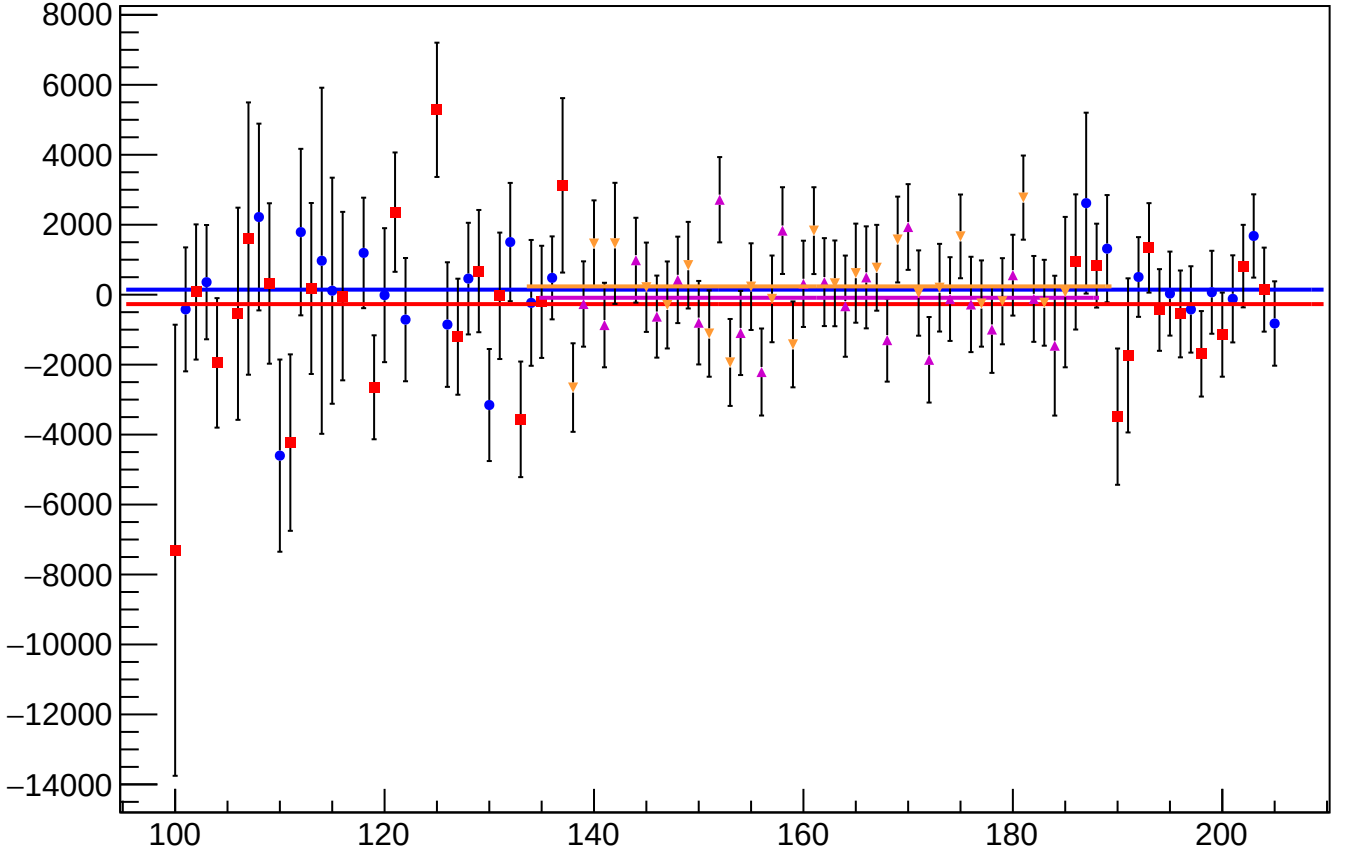
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 572.088+/-0.074 χ^2/NDF: 3998226.4/48

All: 576.527+/-0.052 χ^2/NDF: 8808693.6/100

- sign 581.025+/-0.074 χ^2/NDF: 4803165.0/51

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -269.379+/-306.790 χ^2/NDF: 33.5/28

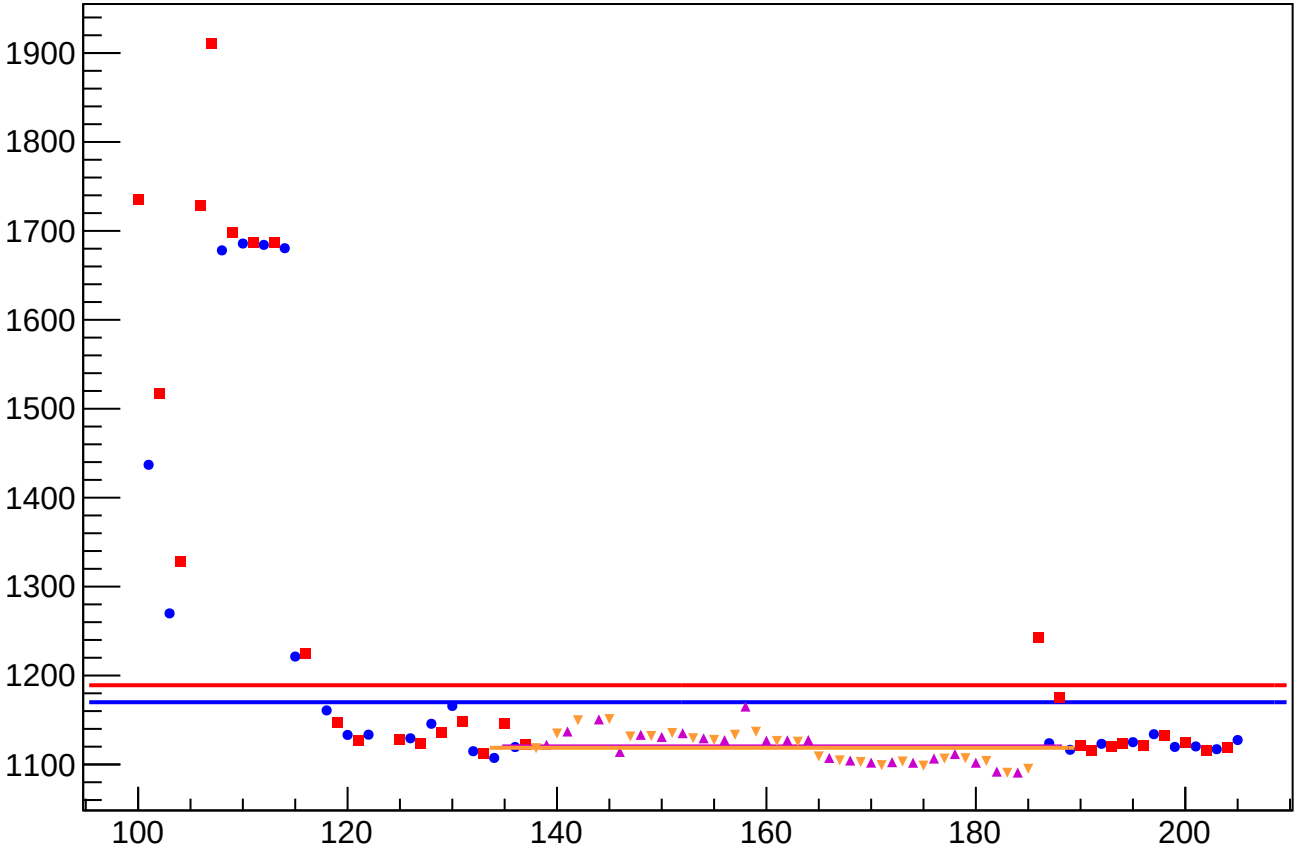
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 198.979+/-199.936 χ^2/NDF: 37.2/48

All: 16.403+/-141.065 χ^2/NDF: 93.5/100

- sign -164.574+/-199.059 χ^2/NDF: 54.6/51

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

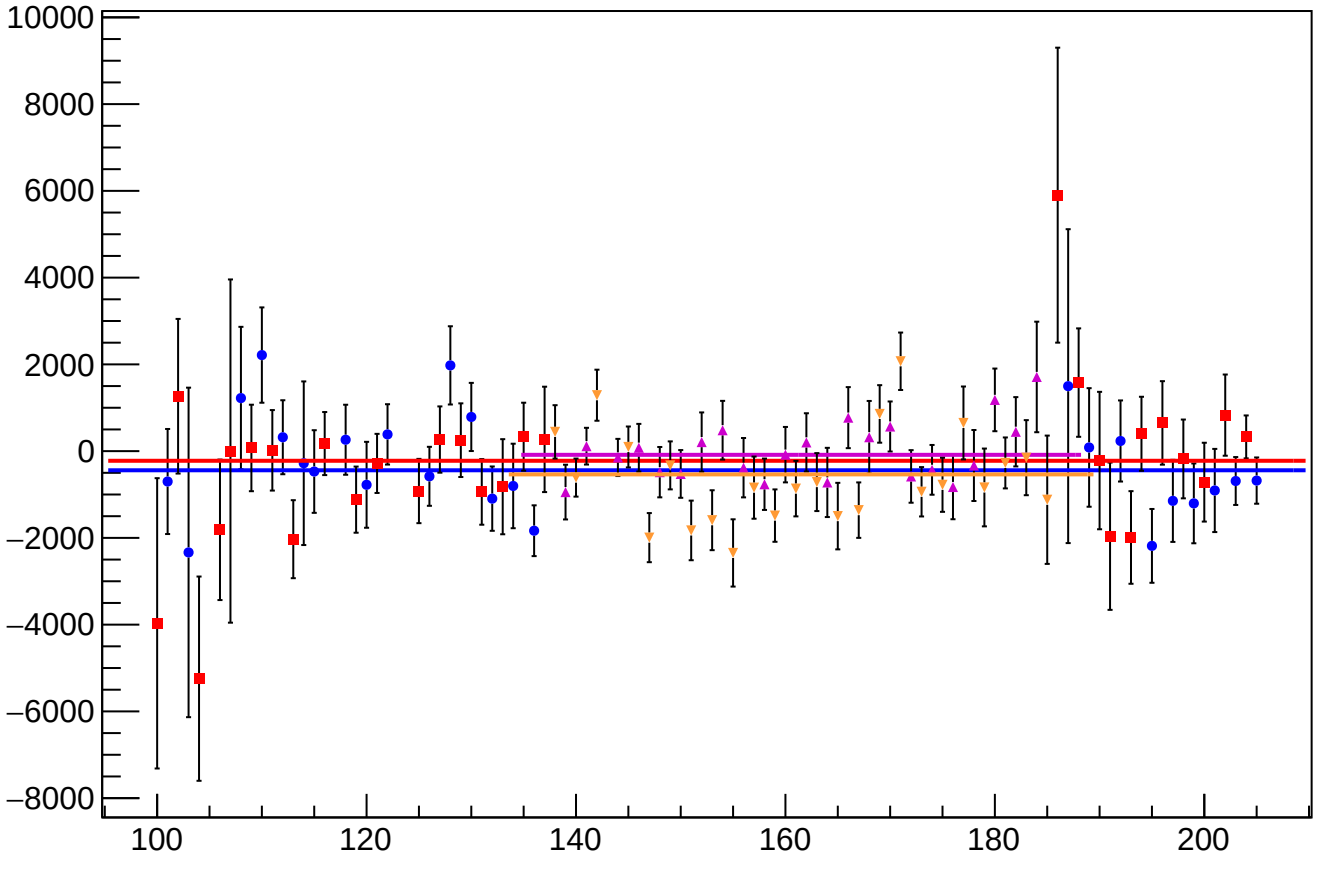
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.599+/-0.141 χ^2/NDF: 386409.7/48

All: 1144.453+/-0.100 χ^2/NDF: 999834.4/100

- sign 1149.265+/-0.141 χ^2/NDF: 611077.1/51

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -222.300+/-175.501 χ^2/NDF: 30.1/28

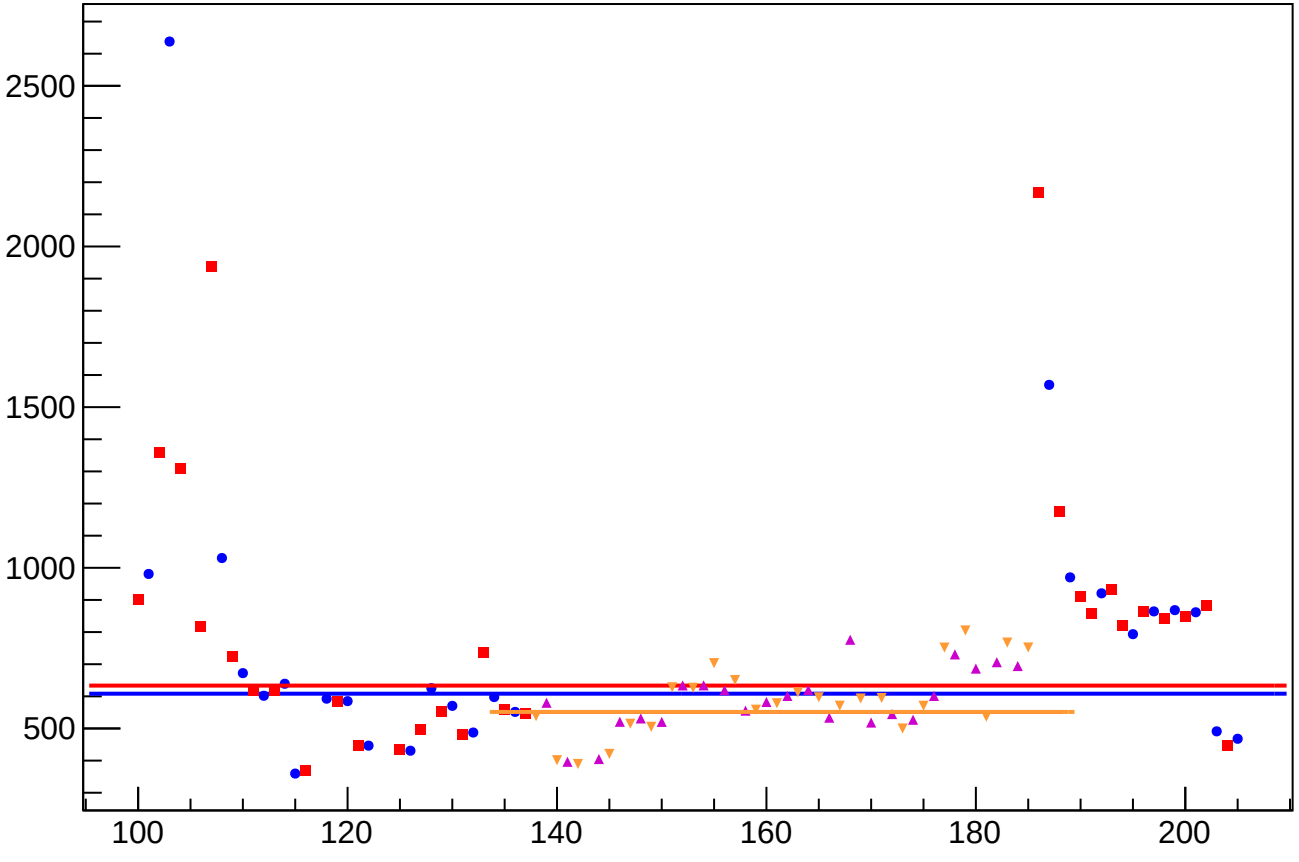
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -501.564+/-104.233 χ^2/NDF: 95.3/48

All: -319.195+/-73.960 χ^2/NDF: 149.1/100

\- sign -134.266+/-104.962 χ^2/NDF: 47.6/51

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

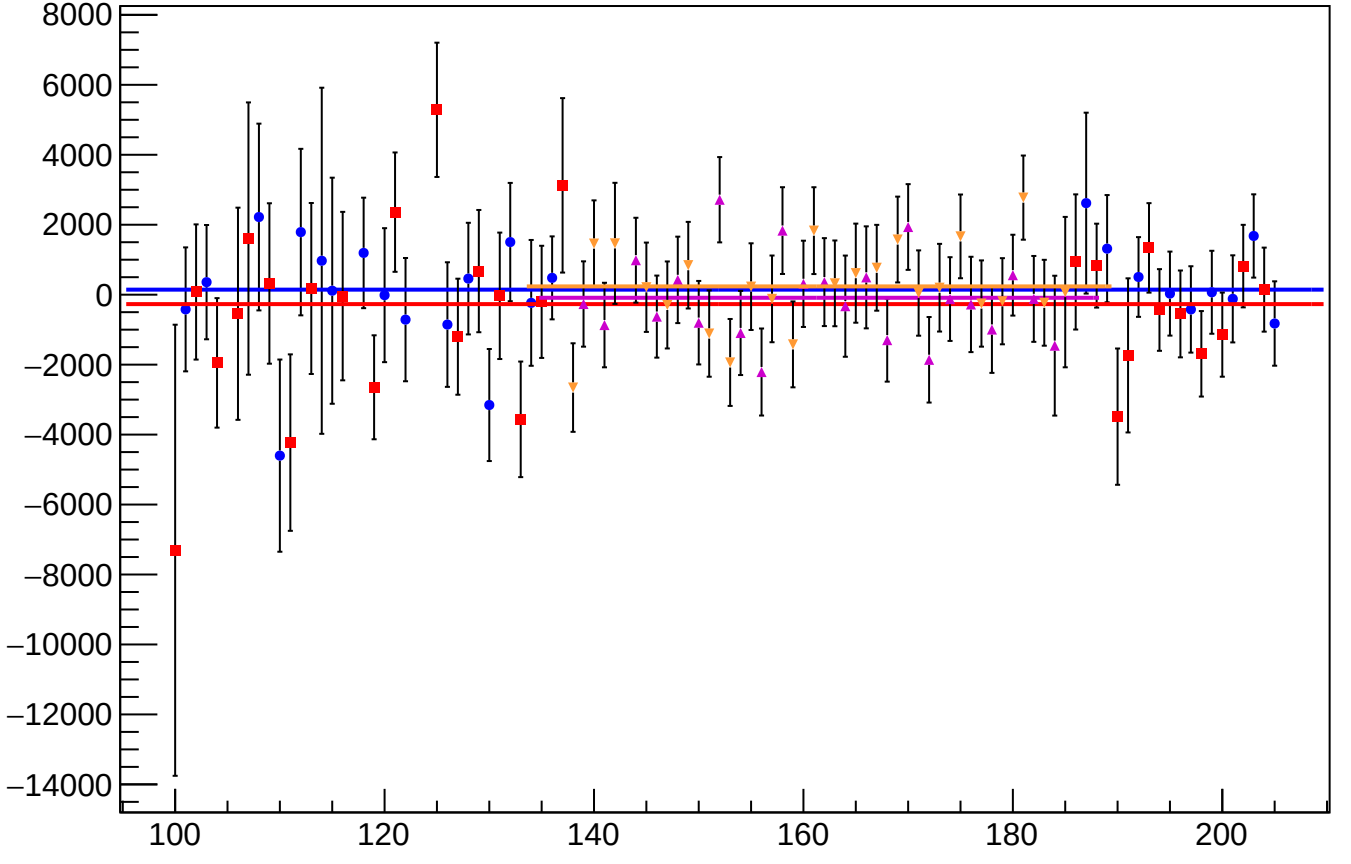
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 572.087+/-0.074 χ^2/NDF: 3998215.3/48

All: 576.368+/-0.052 χ^2/NDF: 8787732.0/100

- sign 580.709+/-0.074 χ^2/NDF: 4782721.0/51

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -269.379+/-306.790 χ^2/NDF: 33.5/28

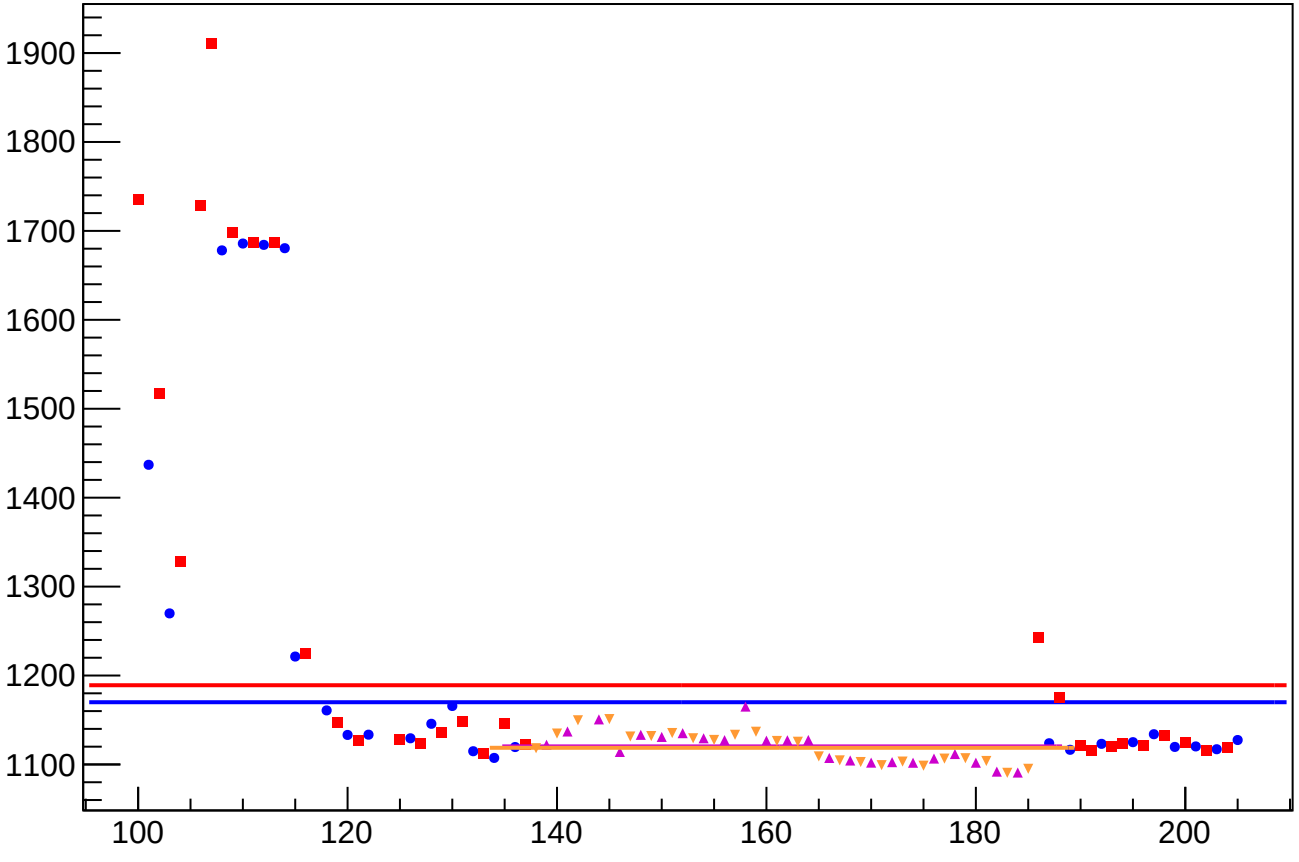
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 198.979+/-199.936 χ^2/NDF: 37.2/48

All: 16.403+/-141.065 χ^2/NDF: 93.5/100

- sign -164.574+/-199.059 χ^2/NDF: 54.6/51

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

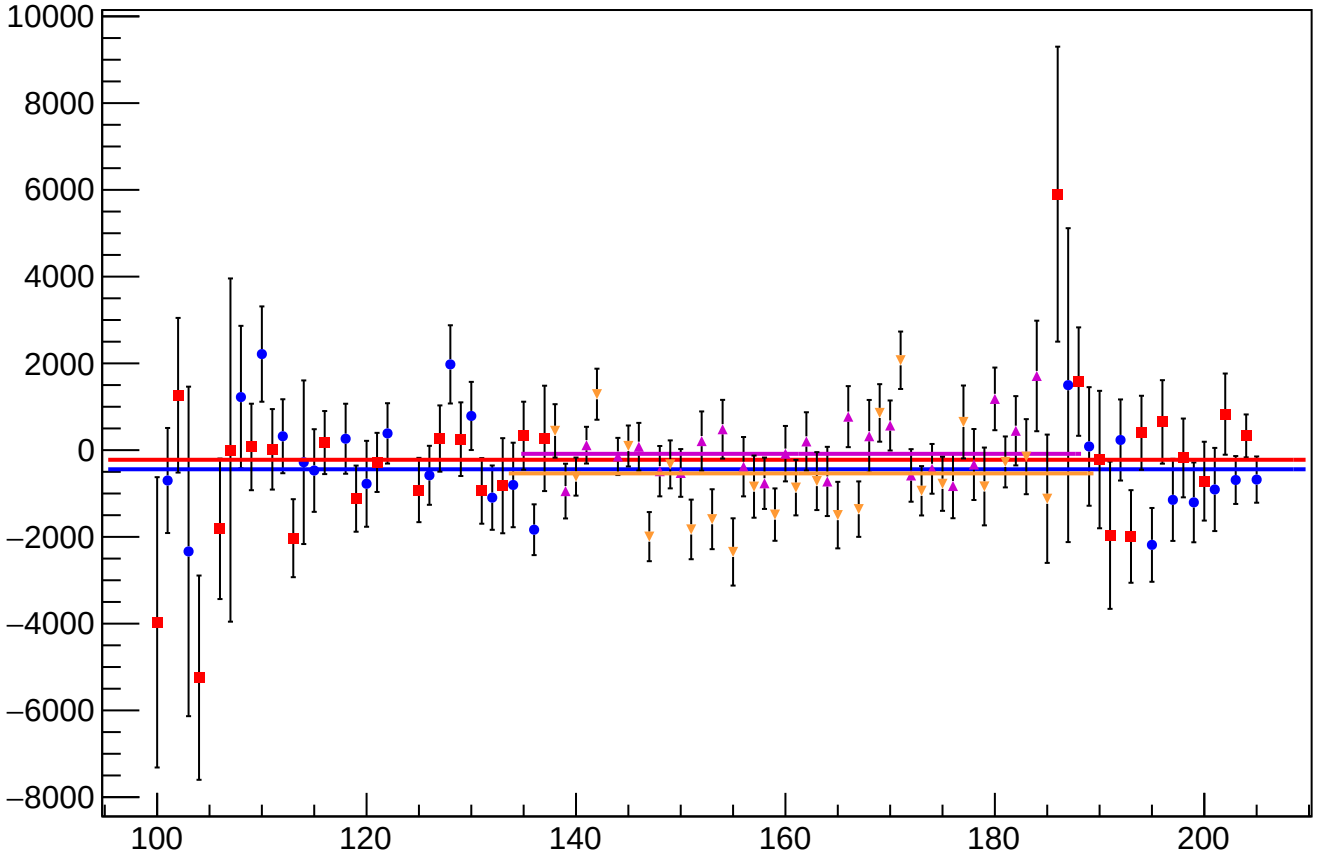
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.599+/-0.141 χ^2/NDF: 386409.7/48

All: 1144.453+/-0.100 χ^2/NDF: 999834.4/100

- sign 1149.265+/-0.141 χ^2/NDF: 611077.1/51

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -222.300+/-175.501 χ^2/NDF: 30.1/28

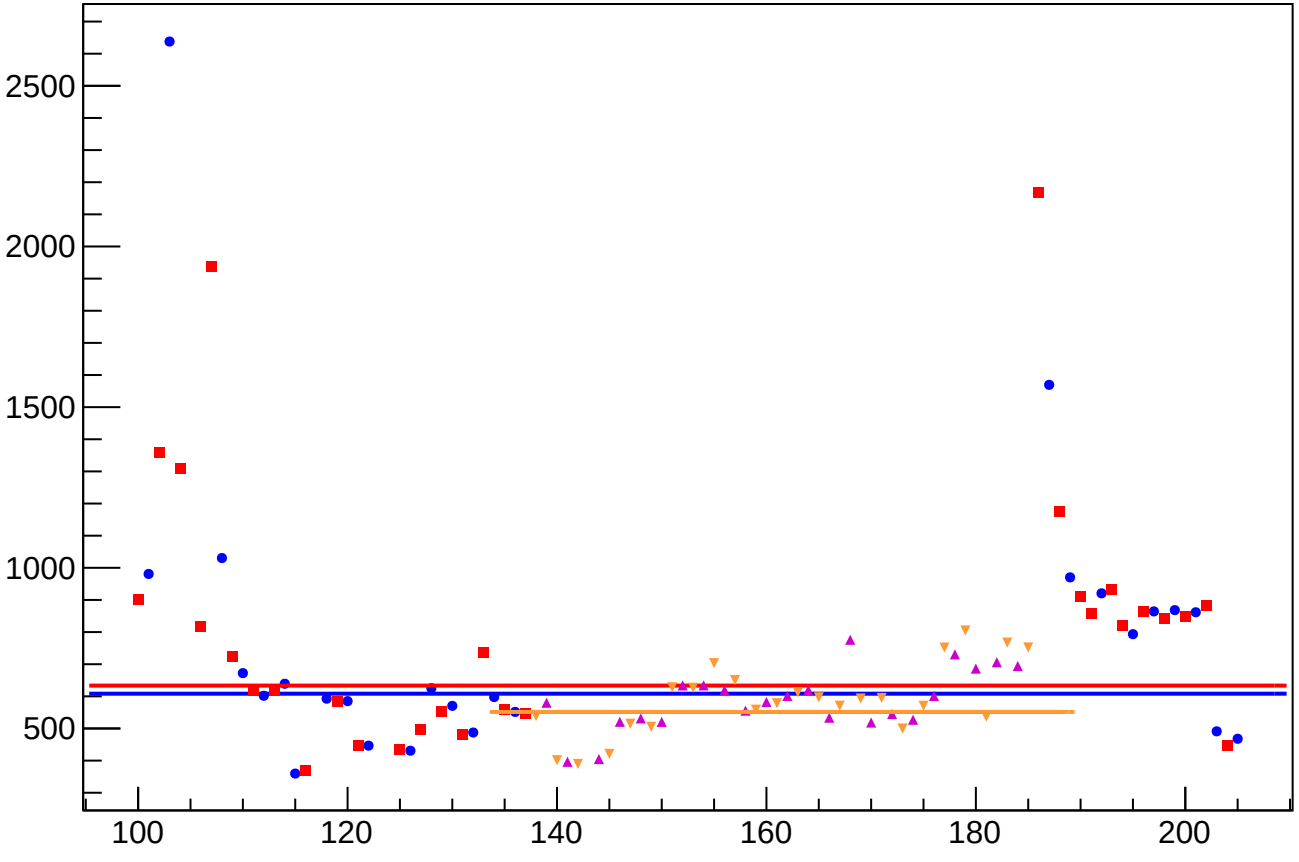
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -501.564+/-104.233 χ^2/NDF: 95.3/48

All: -319.195+/-73.960 χ^2/NDF: 149.1/100

\- sign -134.266+/-104.962 χ^2/NDF: 47.6/51

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

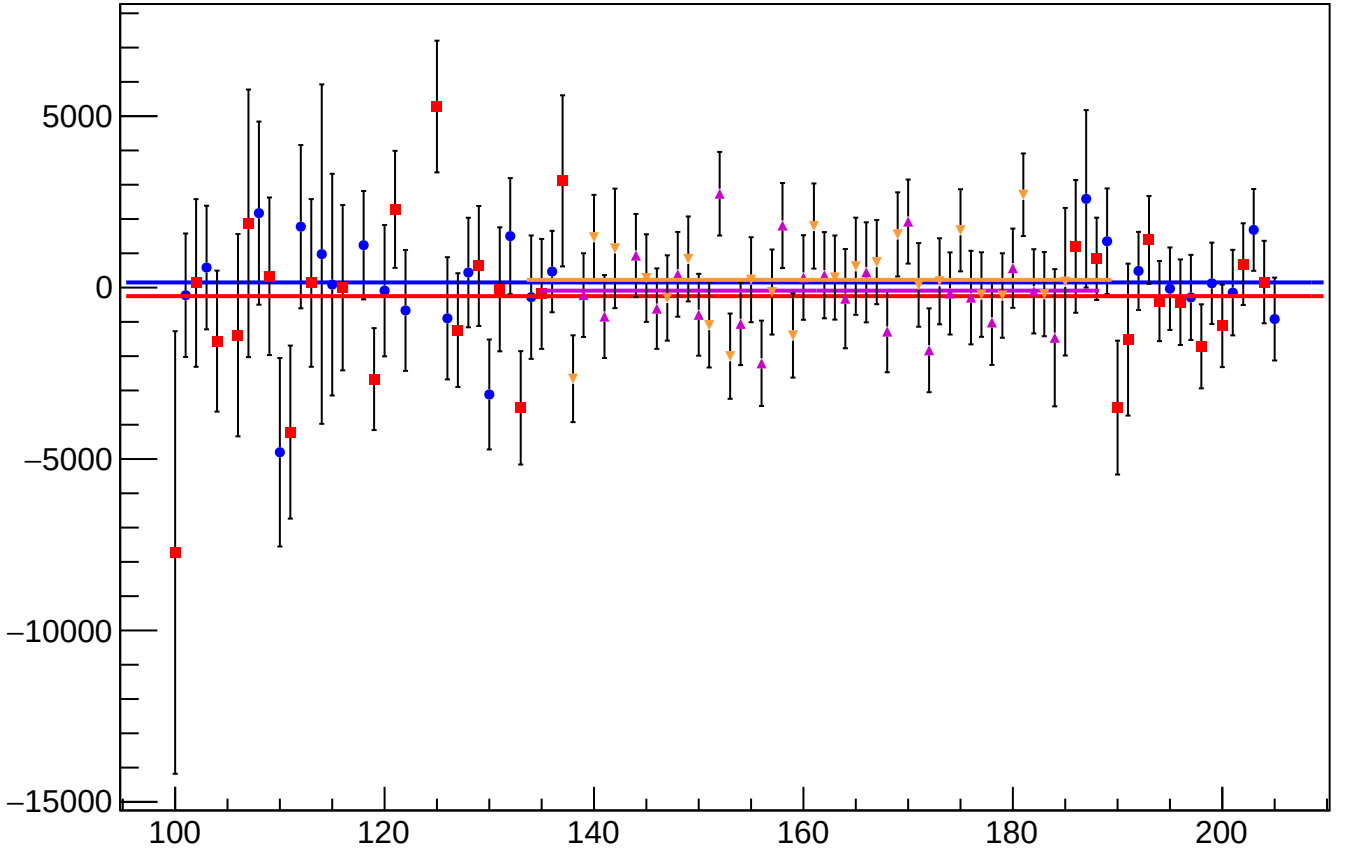
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 572.087+/-0.074 χ^2/NDF: 3998215.3/48

All: 576.368+/-0.052 χ^2/NDF: 8787732.0/100

- sign 580.709+/-0.074 χ^2/NDF: 4782721.0/51

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -249.912+/-309.542 χ^2/NDF: 33.1/28

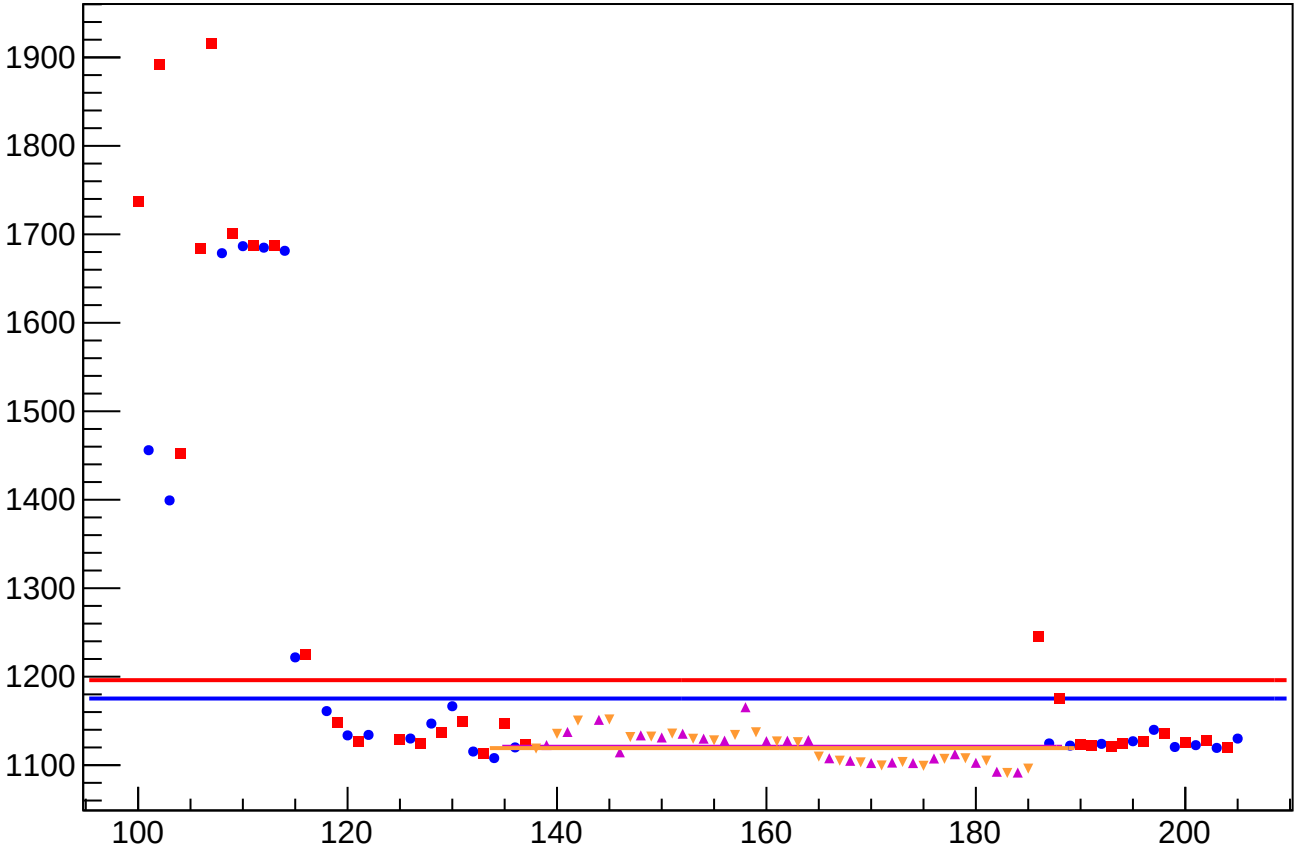
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 195.196+/-200.435 χ^2/NDF: 36.9/48

All: 19.027+/-141.524 χ^2/NDF: 92.2/100

- sign -156.124+/-199.856 χ^2/NDF: 53.8/51

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.5/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661175.2/28

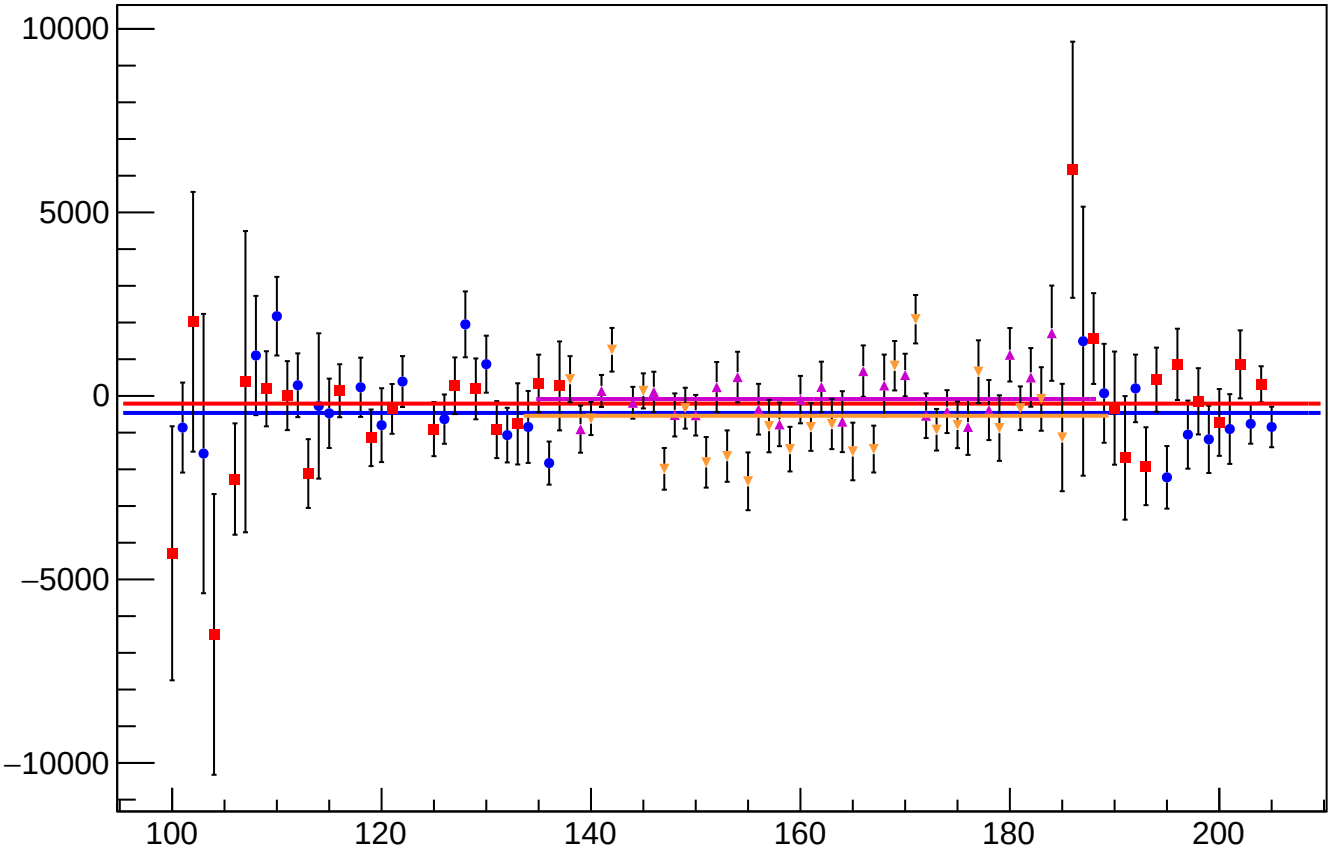
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1141.954+/-0.142 χ^2/NDF: 419347.0/48

All: 1147.080+/-0.100 χ^2/NDF: 1161511.6/10

- sign 1152.176+/-0.141 χ^2/NDF: 739556.2/51

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -463.512+/-172.814 χ^2/NDF: 34.0/24

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -209.654+/-176.778 χ^2/NDF: 29.0/28

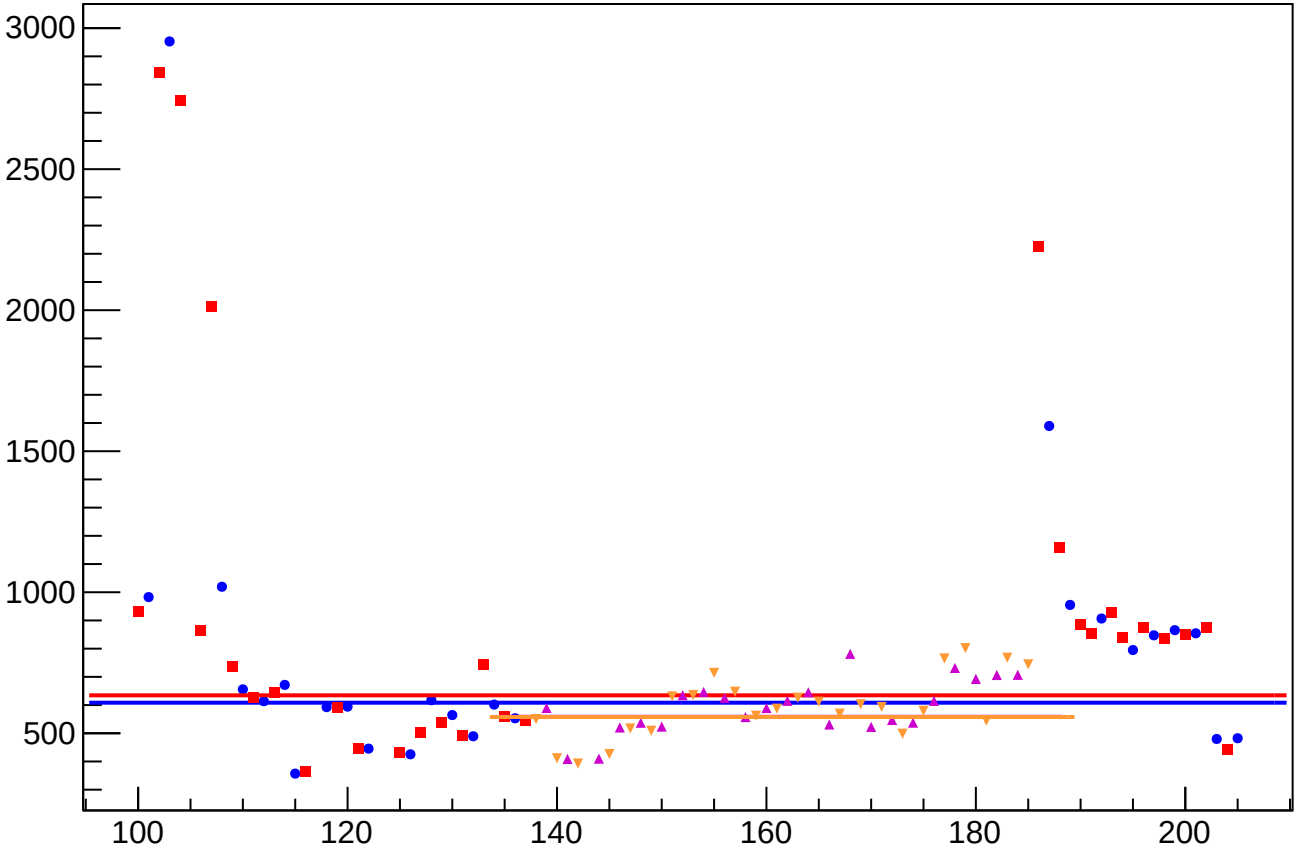
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -512.820+/-104.905 χ^2/NDF: 95.0/48

All: -323.137+/-74.580 χ^2/NDF: 147.3/100

- sign -129.298+/-106.049 χ^2/NDF: 45.7/51

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 608.368+/-0.122 χ^2/NDF: 2779250.1/24

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 634.585+/-0.125 χ^2/NDF: 4382735.1/28

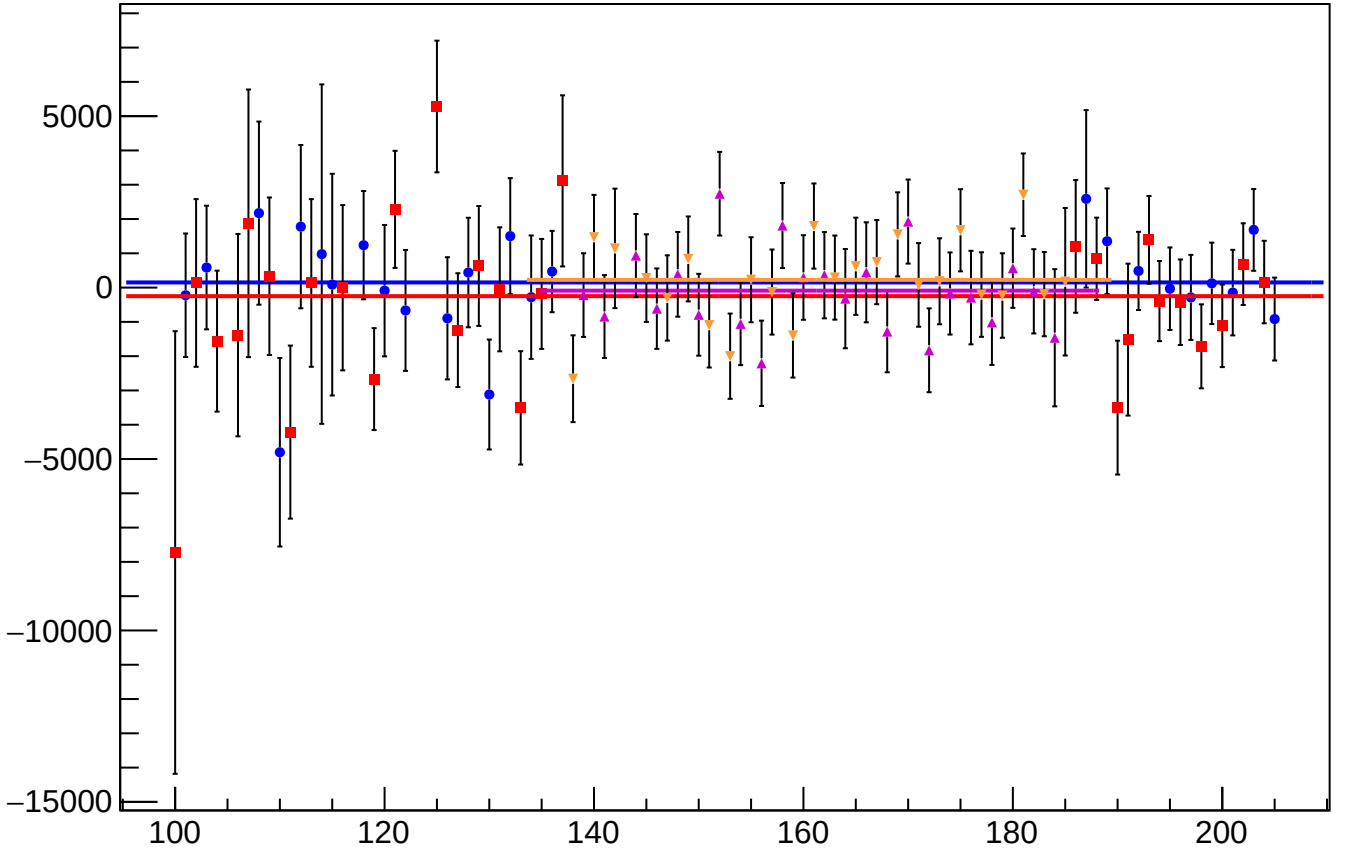
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 576.303+/-0.074 χ^2/NDF: 4081554.1/48

All: 581.006+/-0.053 χ^2/NDF: 9738053.9/100

- sign 585.813+/-0.075 χ^2/NDF: 5648371.3/51

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -249.912+/-309.542 χ^2/NDF: 33.1/28

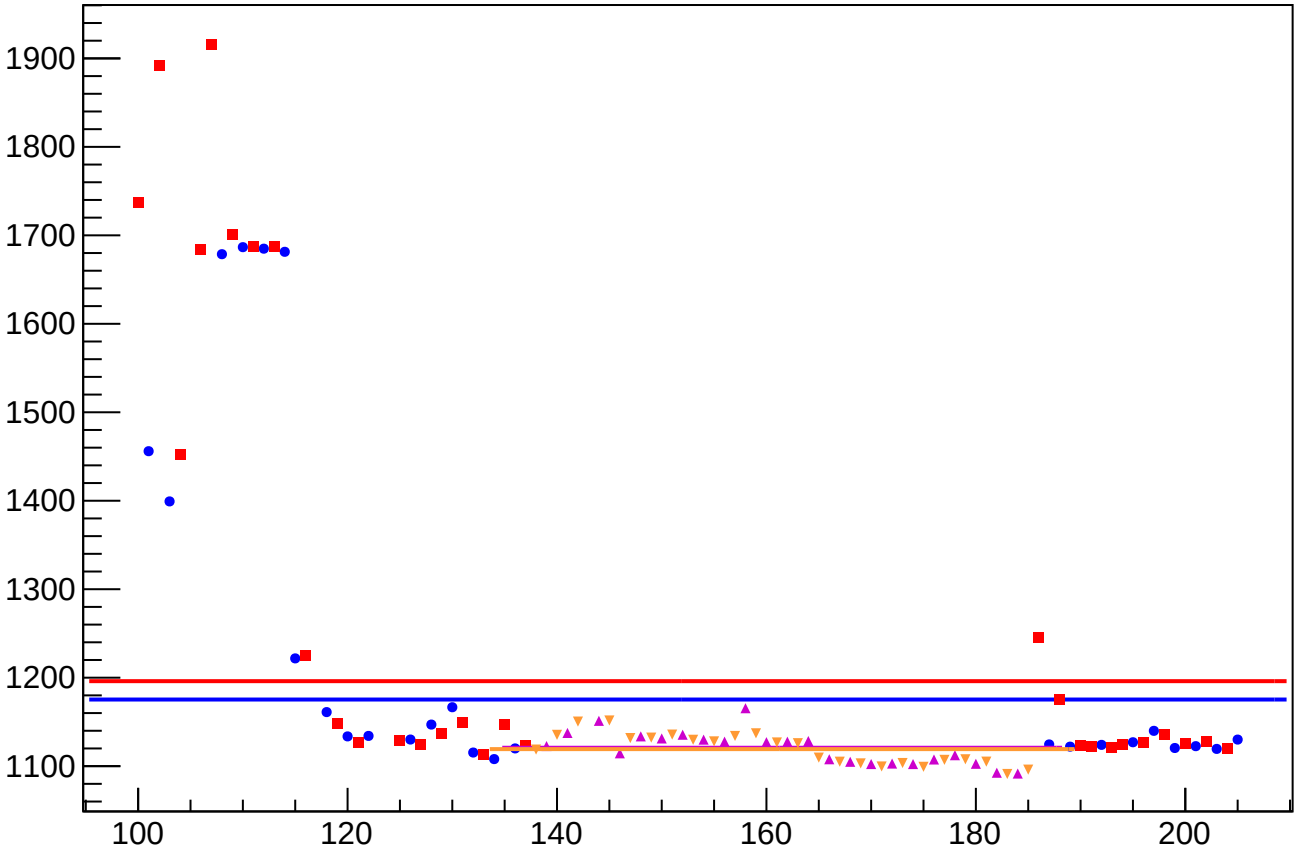
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 195.195+/-200.435 χ^2/NDF: 36.9/48

All: 19.027+/-141.524 χ^2/NDF: 92.2/100

- sign -156.124+/-199.856 χ^2/NDF: 53.8/51

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.1/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661174.5/28

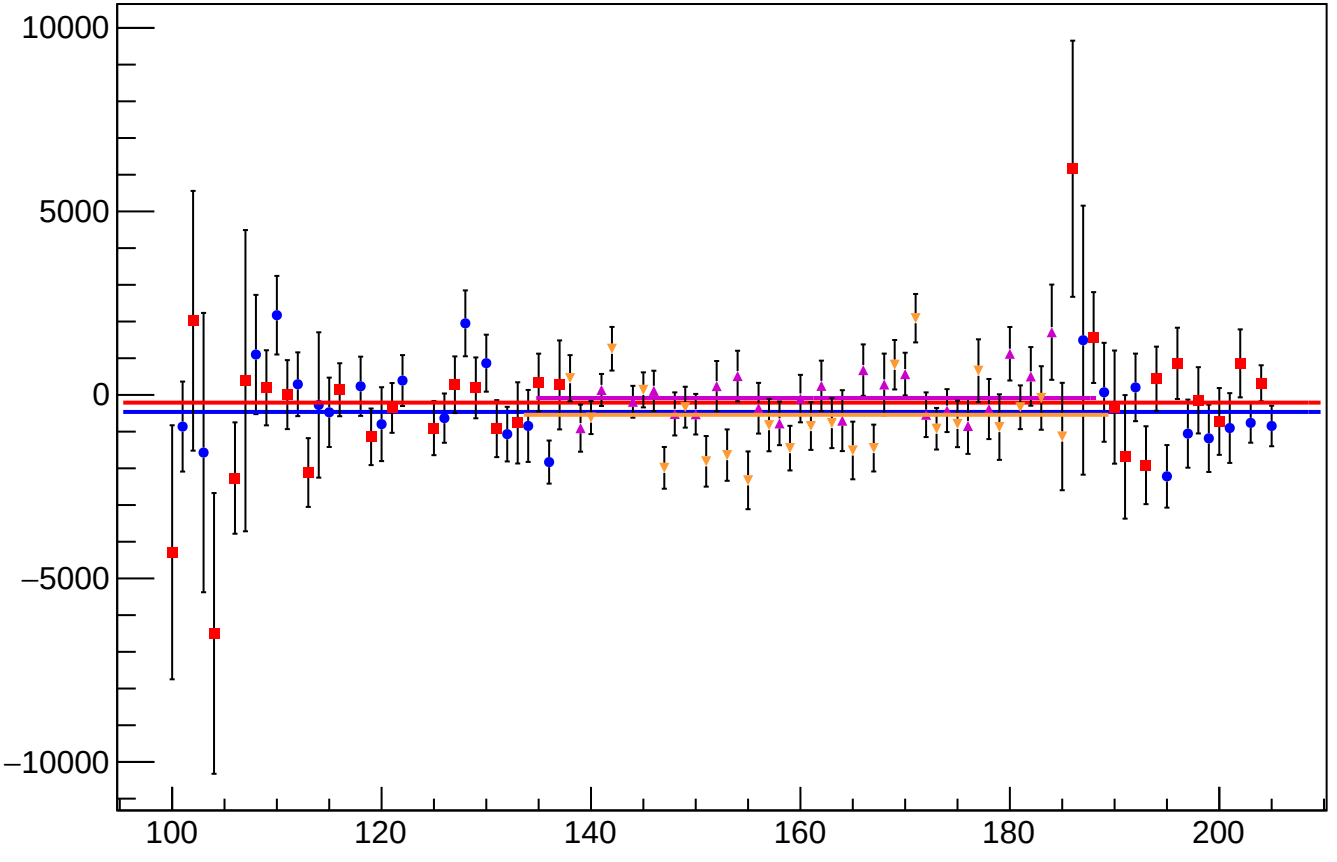
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1141.954+/-0.142 χ^2/NDF: 419346.5/48

All: 1147.080+/-0.100 χ^2/NDF: 1161510.3/10

- sign 1152.176+/-0.141 χ^2/NDF: 739555.4/51

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -463.512+/-172.813 χ^2/NDF: 34.0/24

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -209.655+/-176.778 χ^2/NDF: 29.0/28

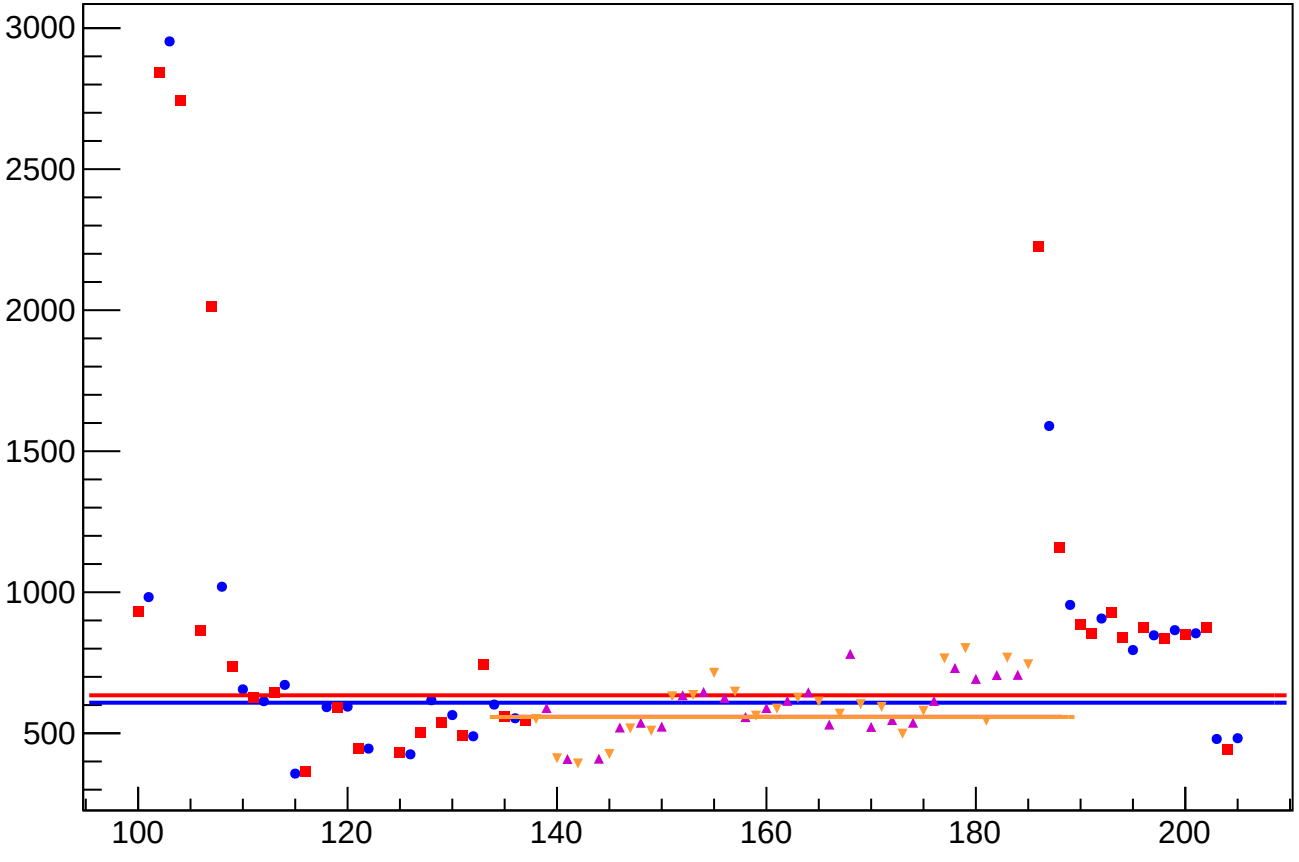
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -512.819+/-104.905 χ^2/NDF: 95.0/48

All: -323.137+/-74.580 χ^2/NDF: 147.3/100

- sign -129.298+/-106.049 χ^2/NDF: 45.7/51

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 608.367+/-0.122 χ^2/NDF: 2779248.0/24

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 634.584+/-0.125 χ^2/NDF: 4382737.3/28

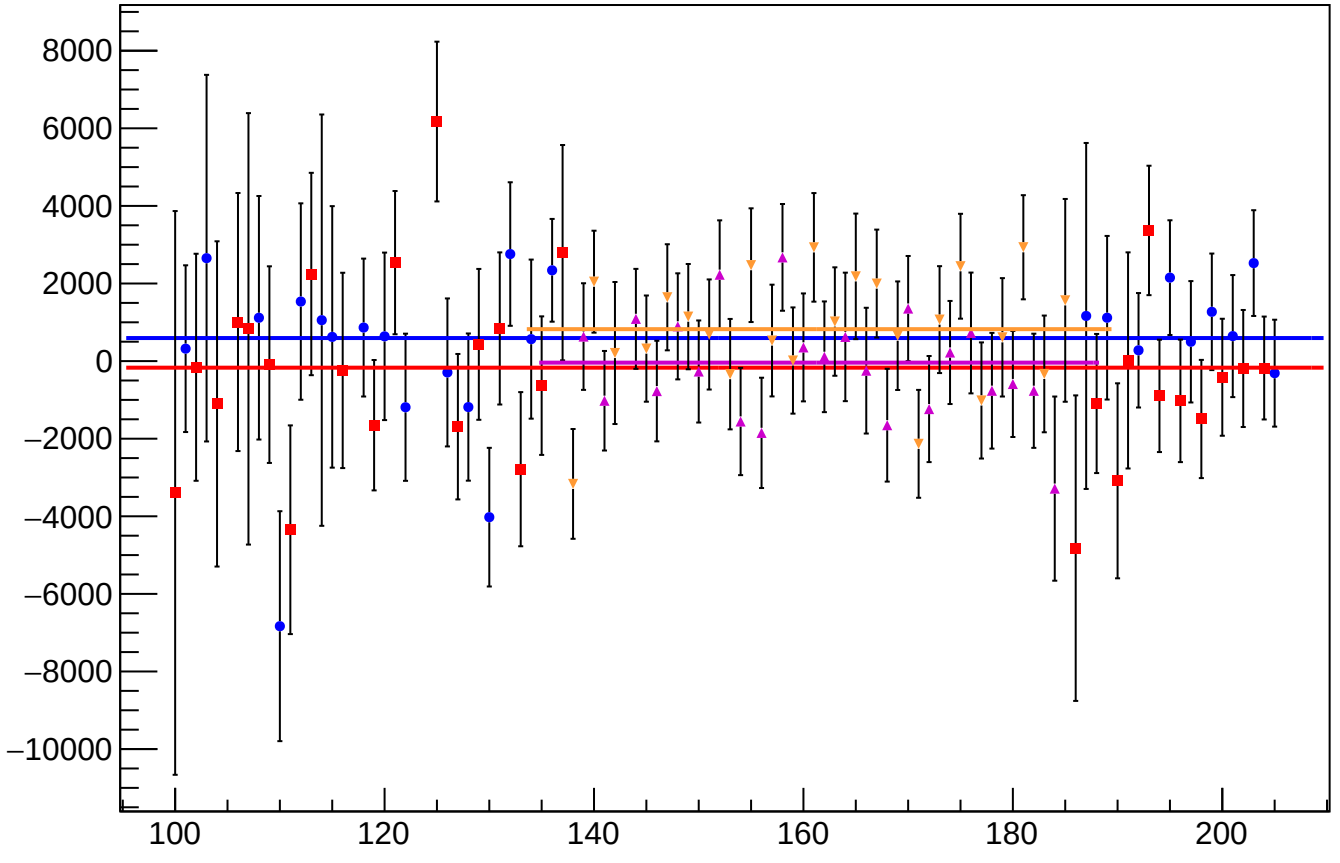
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 576.302+/-0.074 χ^2/NDF: 4081574.7/48

All: 581.006+/-0.053 χ^2/NDF: 9738093.8/100

- sign 585.812+/-0.075 χ^2/NDF: 5648390.2/51

asym_usl_atl1_dd_mean vs Slug



Right In: 594.291+/-376.742 χ^2/NDF: 22.3/24

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -169.484+/-375.739 χ^2/NDF: 28.9/28

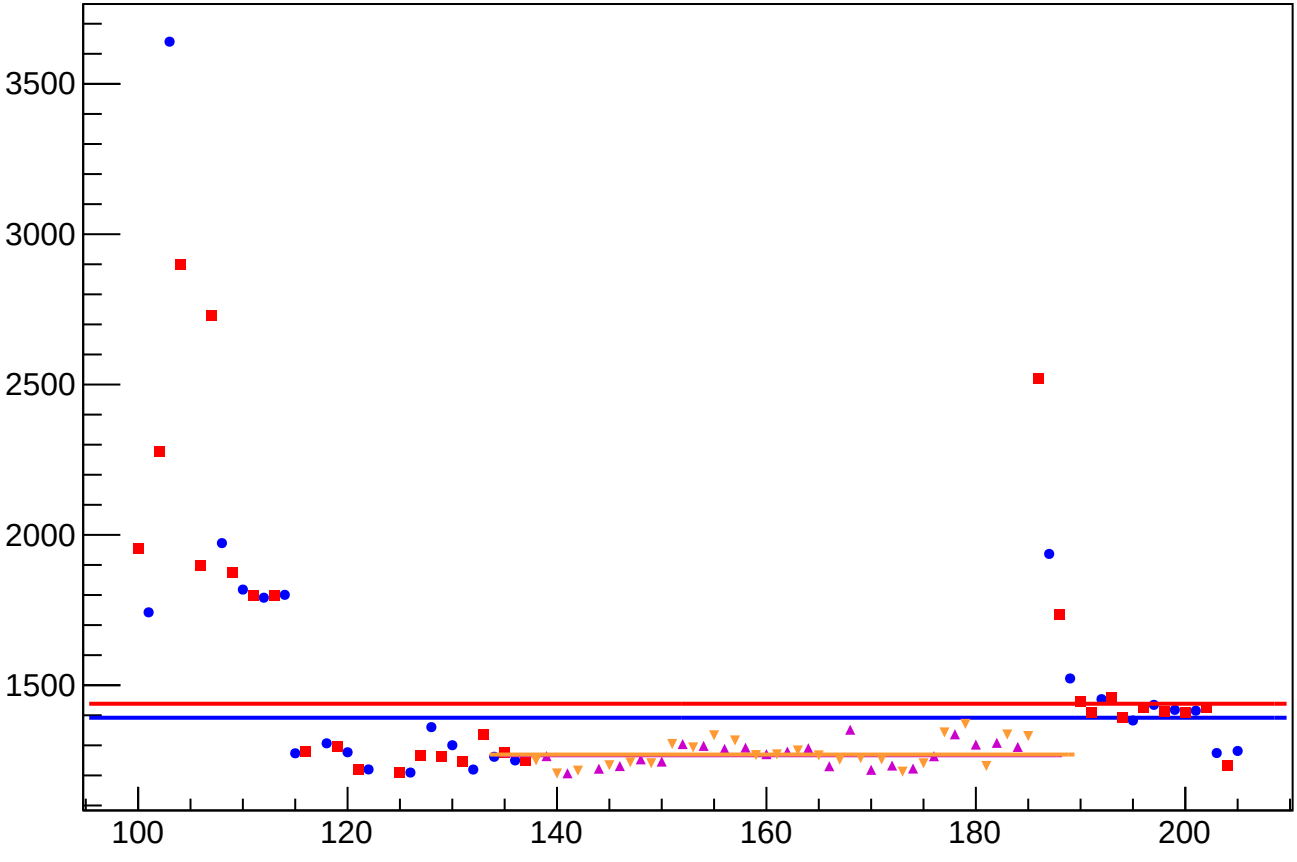
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 736.329+/-232.186 χ^2/NDF: 48.7/48

All: 324.057+/-164.298 χ^2/NDF: 101.9/100

- sign -89.399+/-232.519 χ^2/NDF: 46.8/51

asym_usl_atl1_dd_rms vs Slug



Right In: 1391.822+/-0.266 χ^2/NDF: 850581.1/24

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

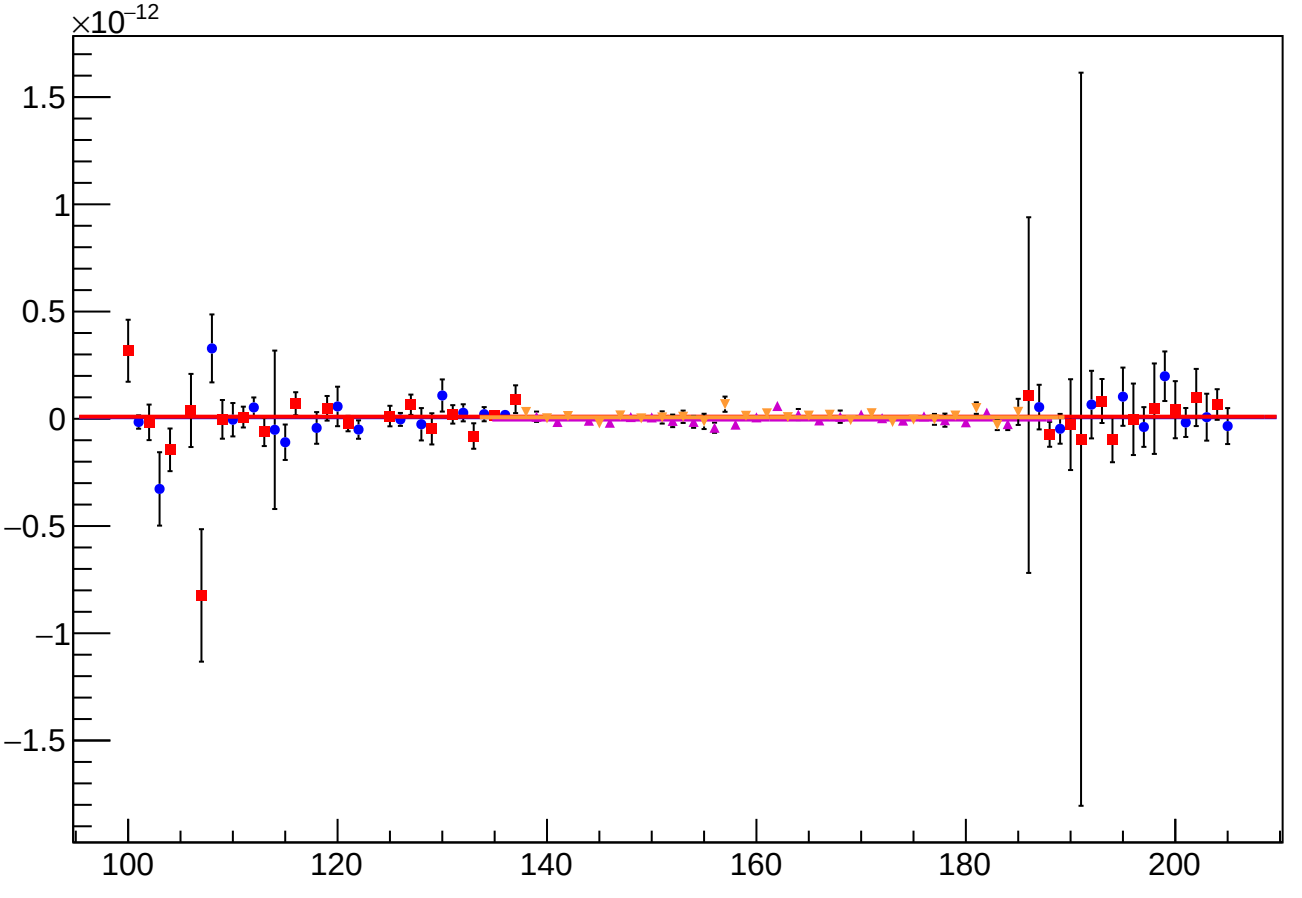
Right Out: 1438.372+/-0.266 χ^2/NDF: 1113771.1/28

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1315.924+/-0.164 χ^2/NDF: 1024504.8/48

All: 1324.284+/-0.116 χ^2/NDF: 2434536.1/10

- sign 1332.668+/-0.164 χ^2/NDF: 1404838.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

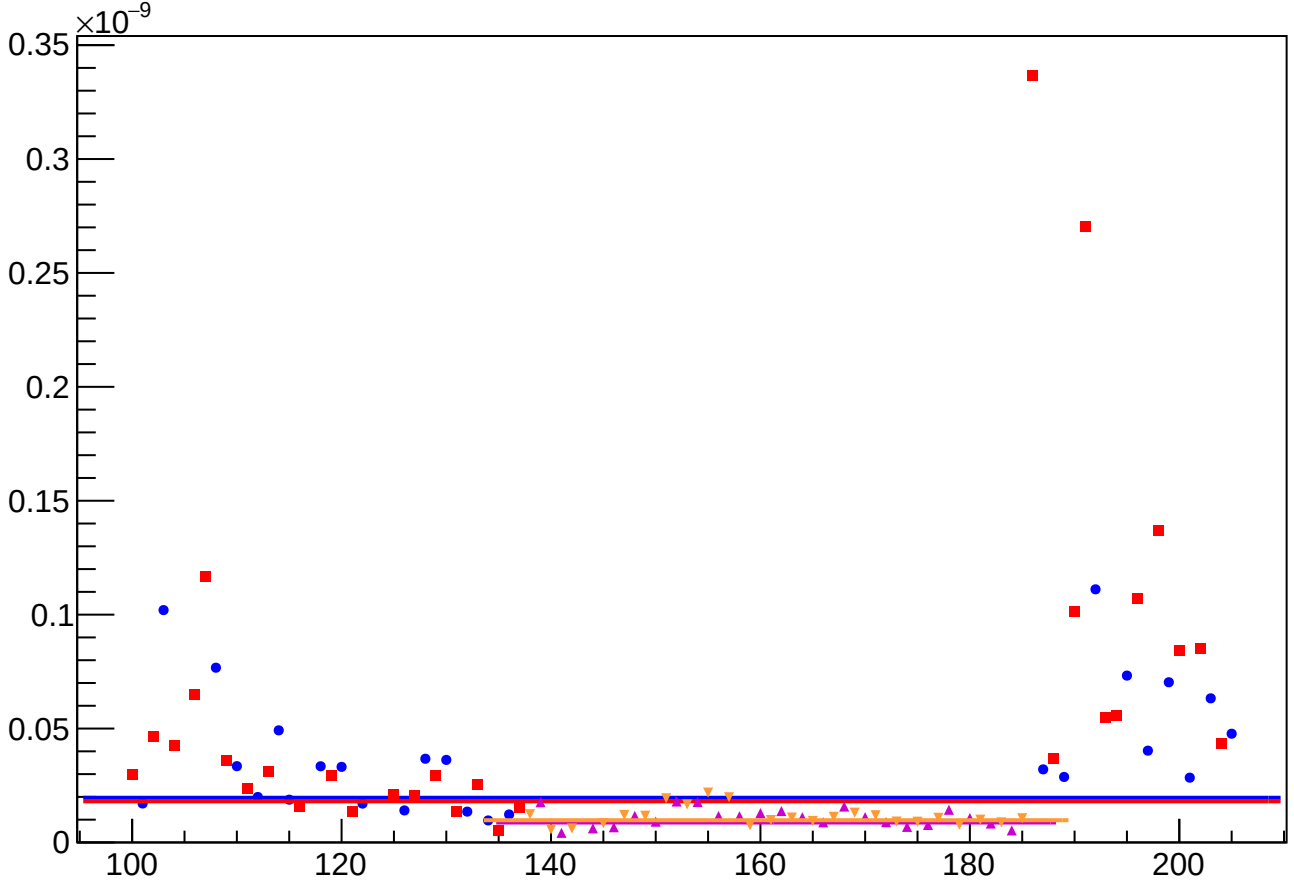
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.4/48

All: 0.000+/-0.000 χ^2/NDF: 97.9/100

- sign -0.000+/-0.000 χ^2/NDF: 53.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 3837610.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6326366.1/28

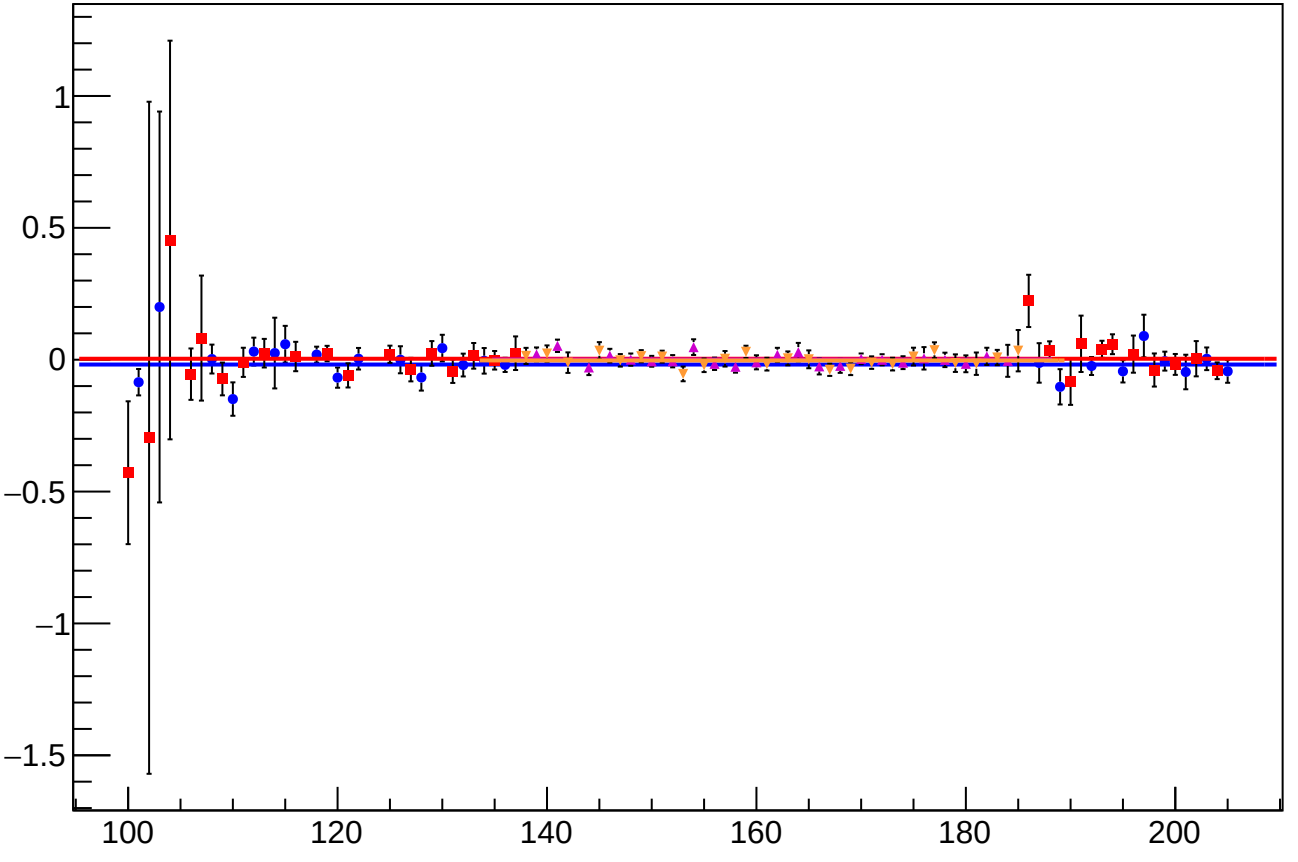
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6817922.2/48

All: 0.000+/-0.000 χ^2/NDF: 16675890.5/100

- sign 0.000+/-0.000 χ^2/NDF: 9748806.9/51

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

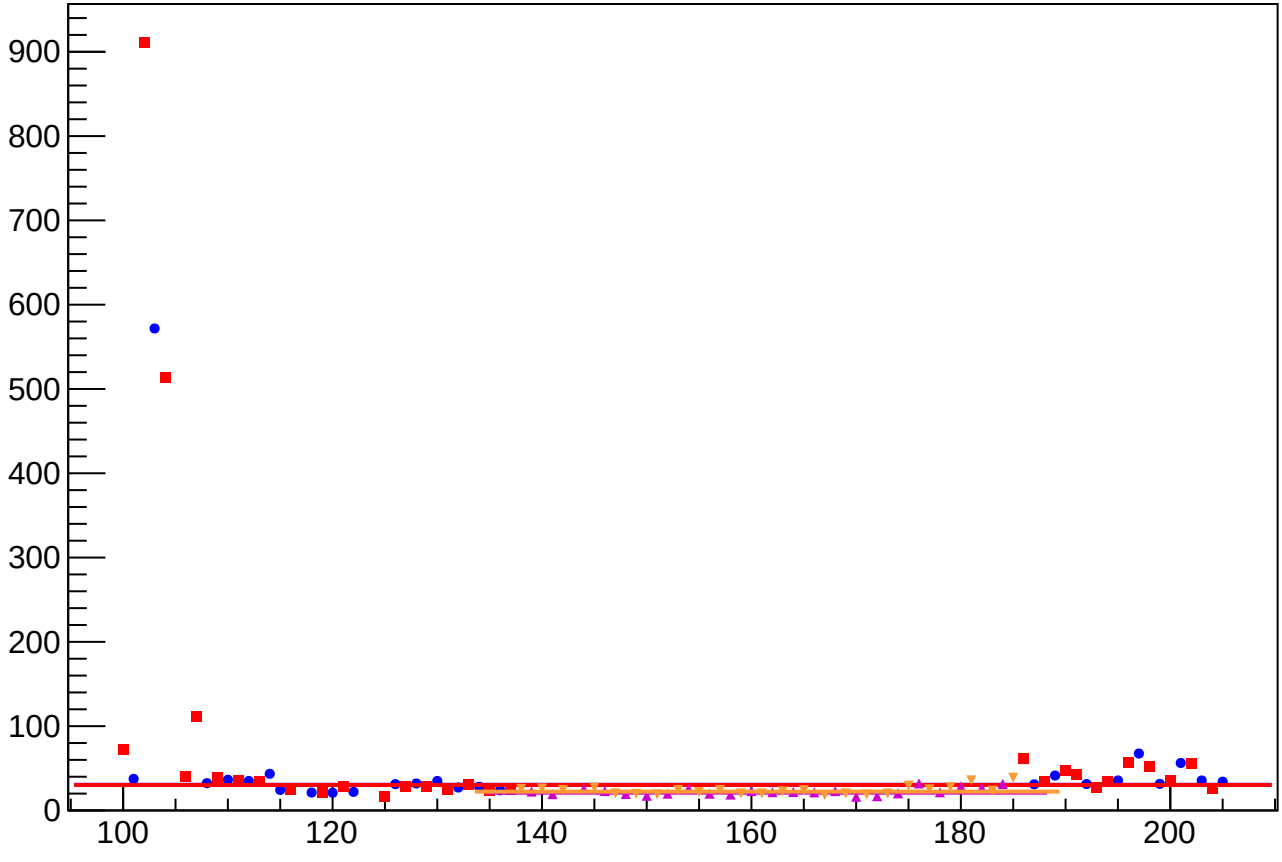
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.003+/-0.003 χ^2/NDF: 77.5/100

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

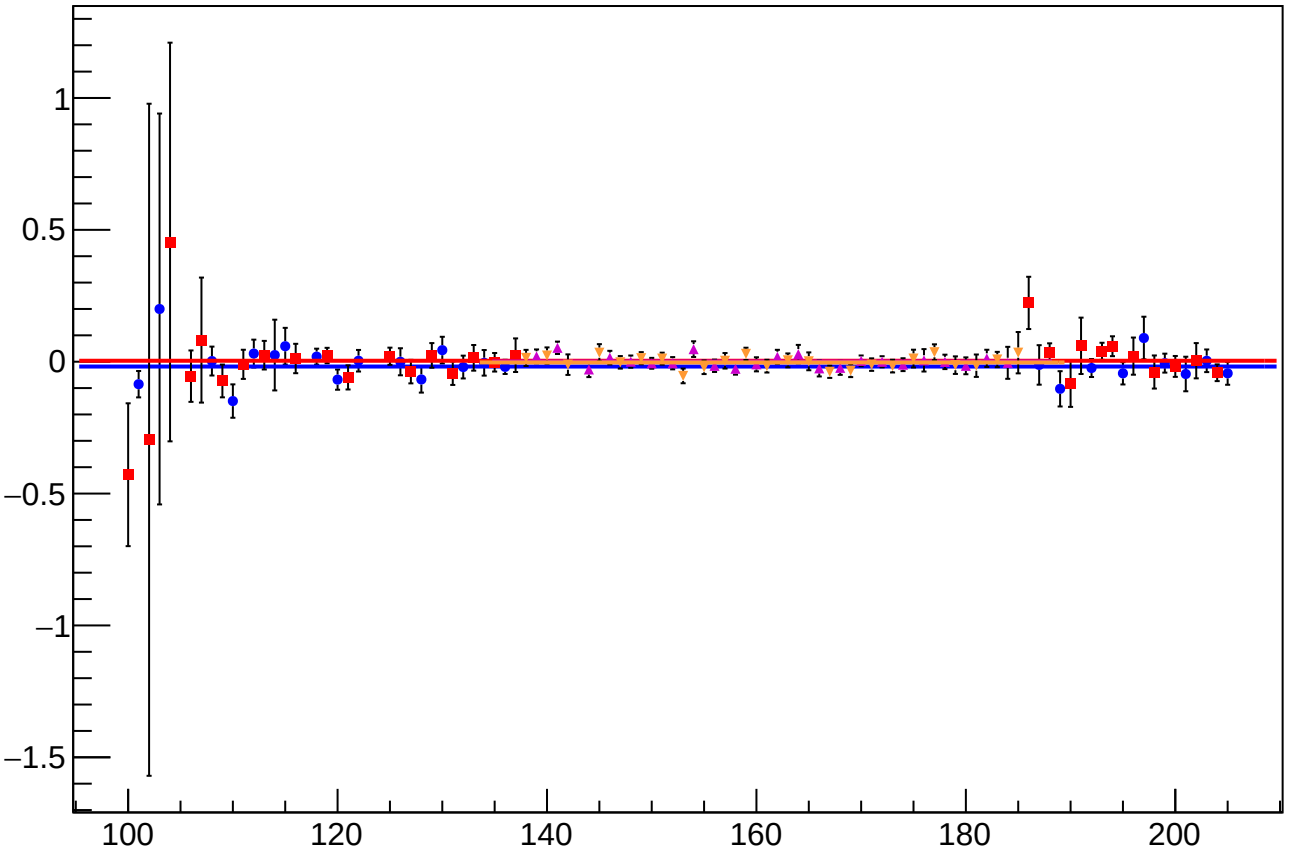
Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.552+/-0.003 χ^2/NDF: 4496086.5/48

All: 24.001+/-0.002 χ^2/NDF: 10906370.6/100

- sign 23.486+/-0.003 χ^2/NDF: 6360395.1/51



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

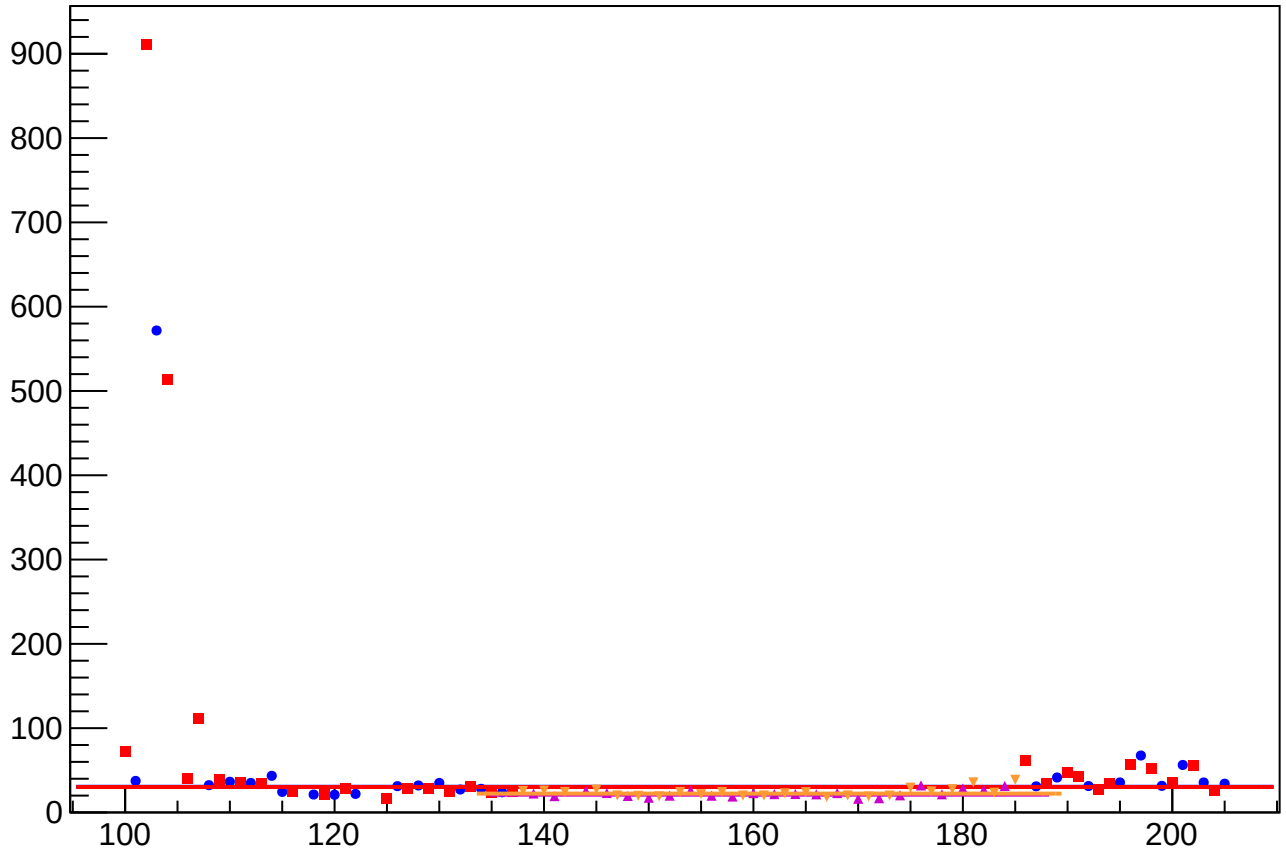
Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.003+/-0.003 χ^2/NDF: 77.5/100

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

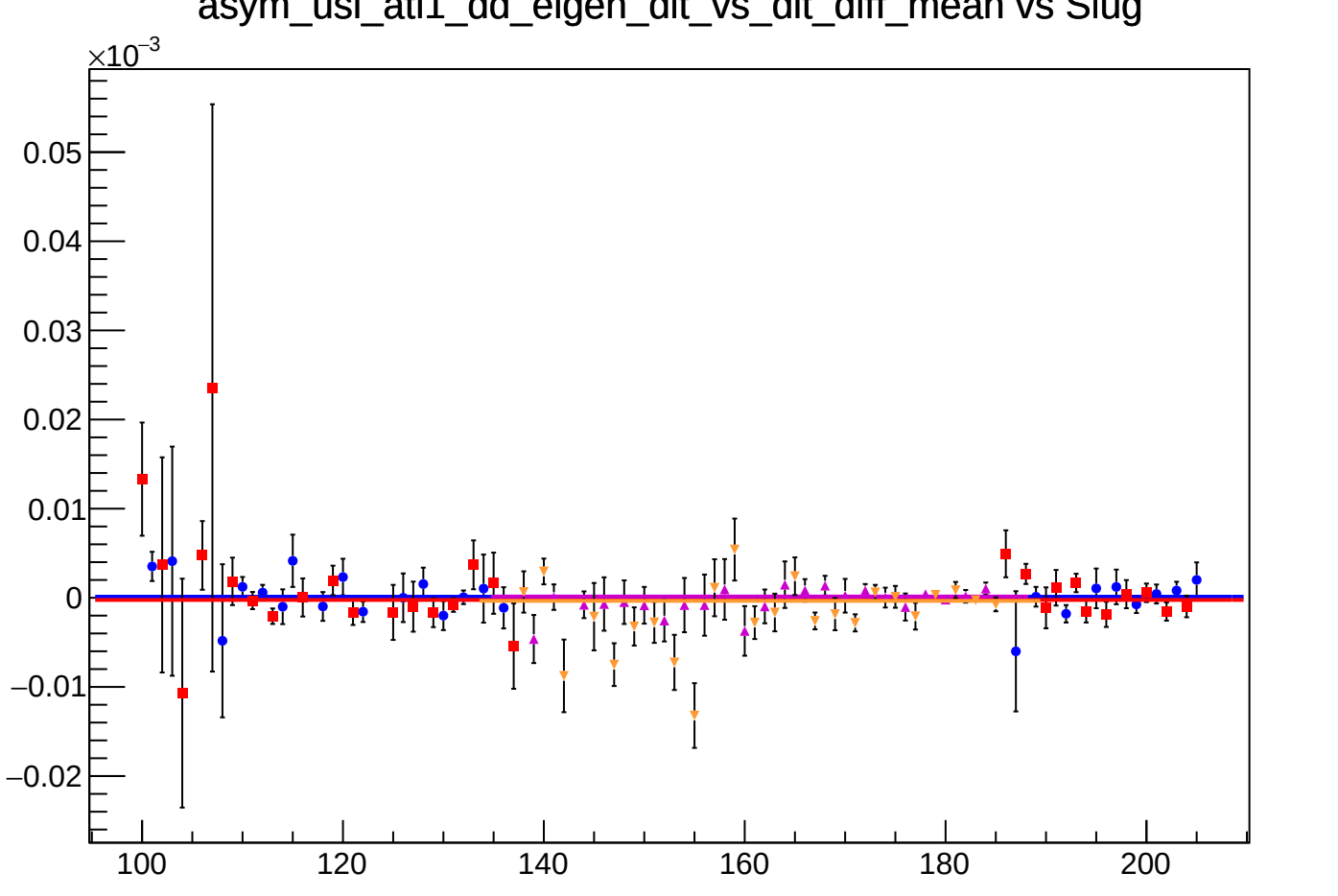
Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.552+/-0.003 χ^2/NDF: 4496086.5/48

All: 24.001+/-0.002 χ^2/NDF: 10906370.6/100

- sign 23.486+/-0.003 χ^2/NDF: 6360395.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 40.1/28

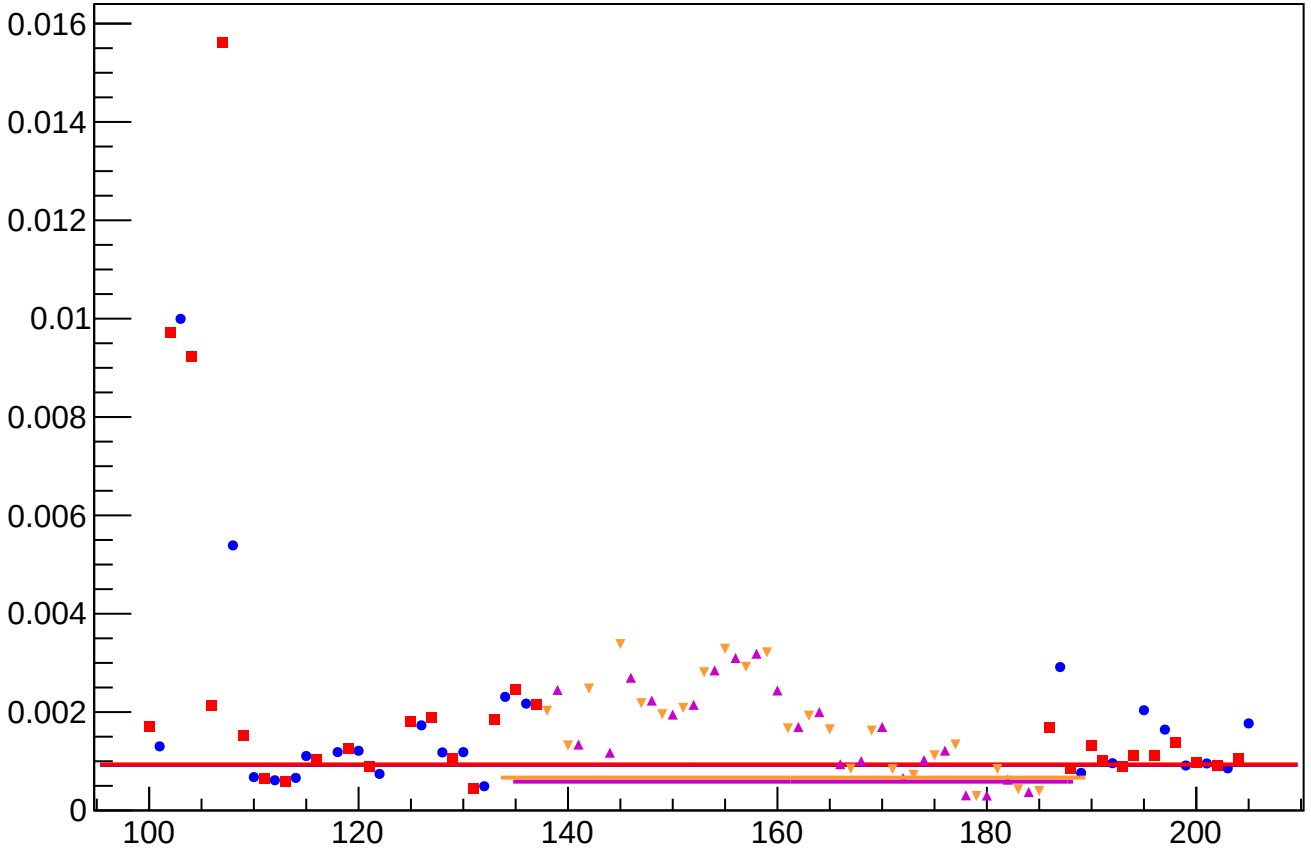
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.9/48

All: -0.000+/-0.000 χ^2/NDF: 148.3/100

- sign 0.000+/-0.000 χ^2/NDF: 55.6/51

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5311394.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

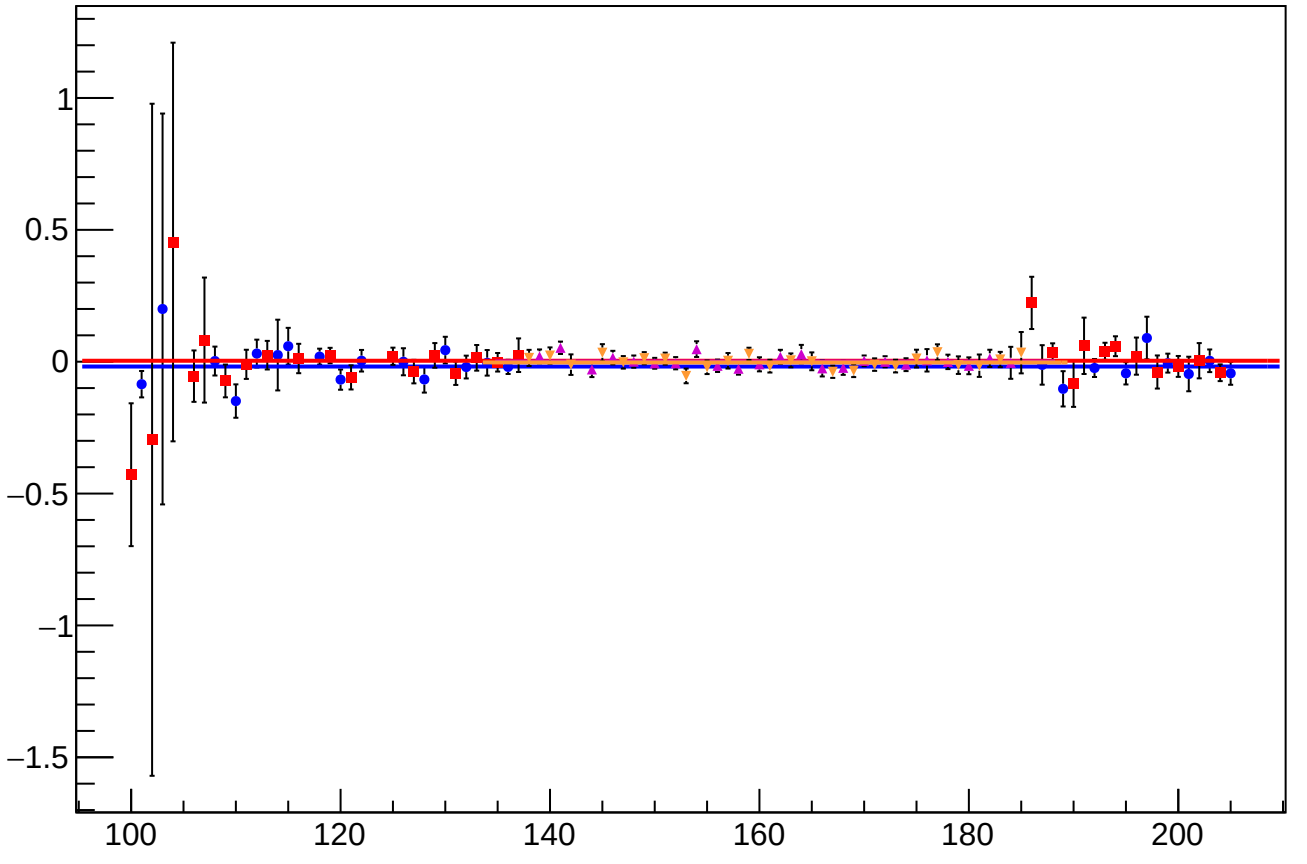
Right Out: 0.001+/-0.000 χ^2/NDF: 5638352.7/28

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21788660.9/48

All: 0.001+/-0.000 χ^2/NDF: 45382164.0/100

- sign 0.001+/-0.000 χ^2/NDF: 23430794.9/51



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

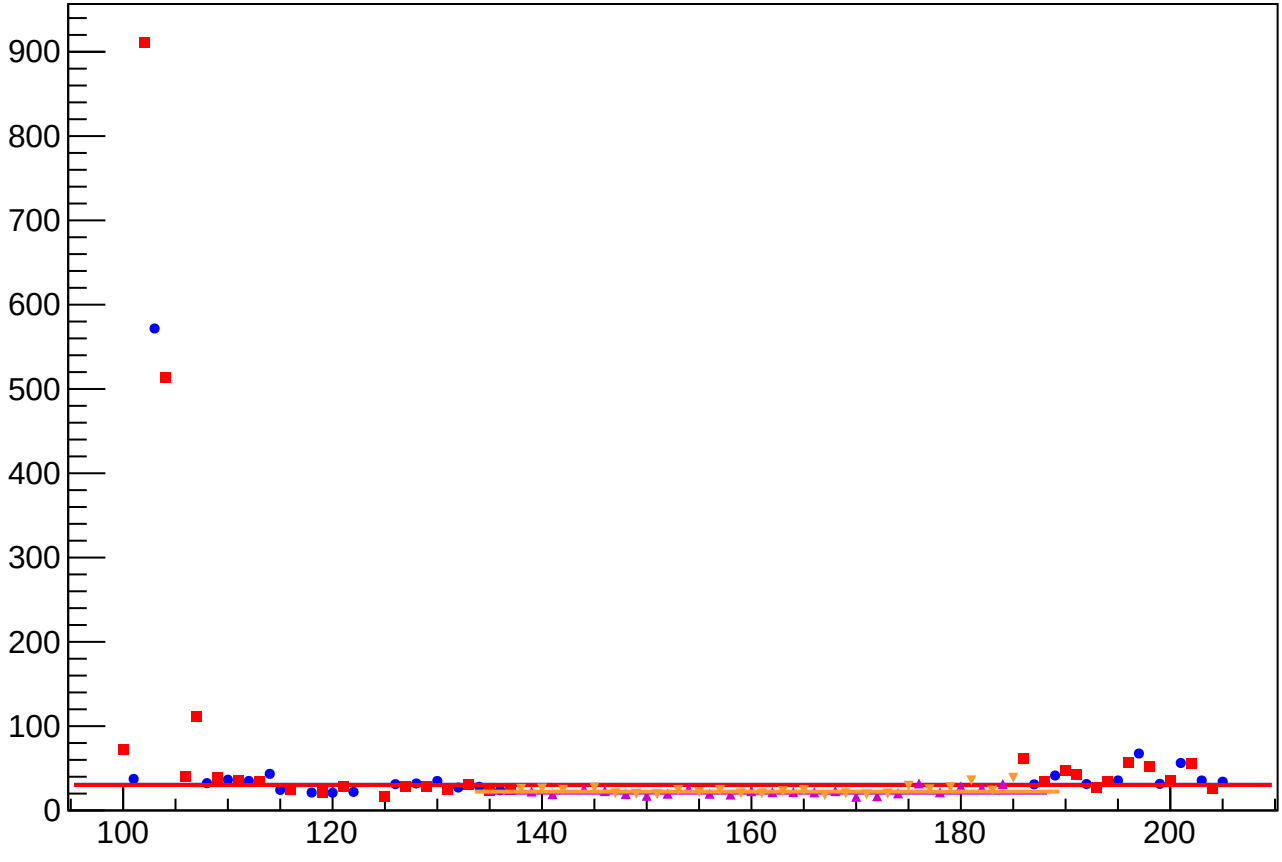
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.003+/-0.003 χ^2/NDF: 77.5/100

- sign 0.002+/-0.005 χ^2/NDF: 38.2/51

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

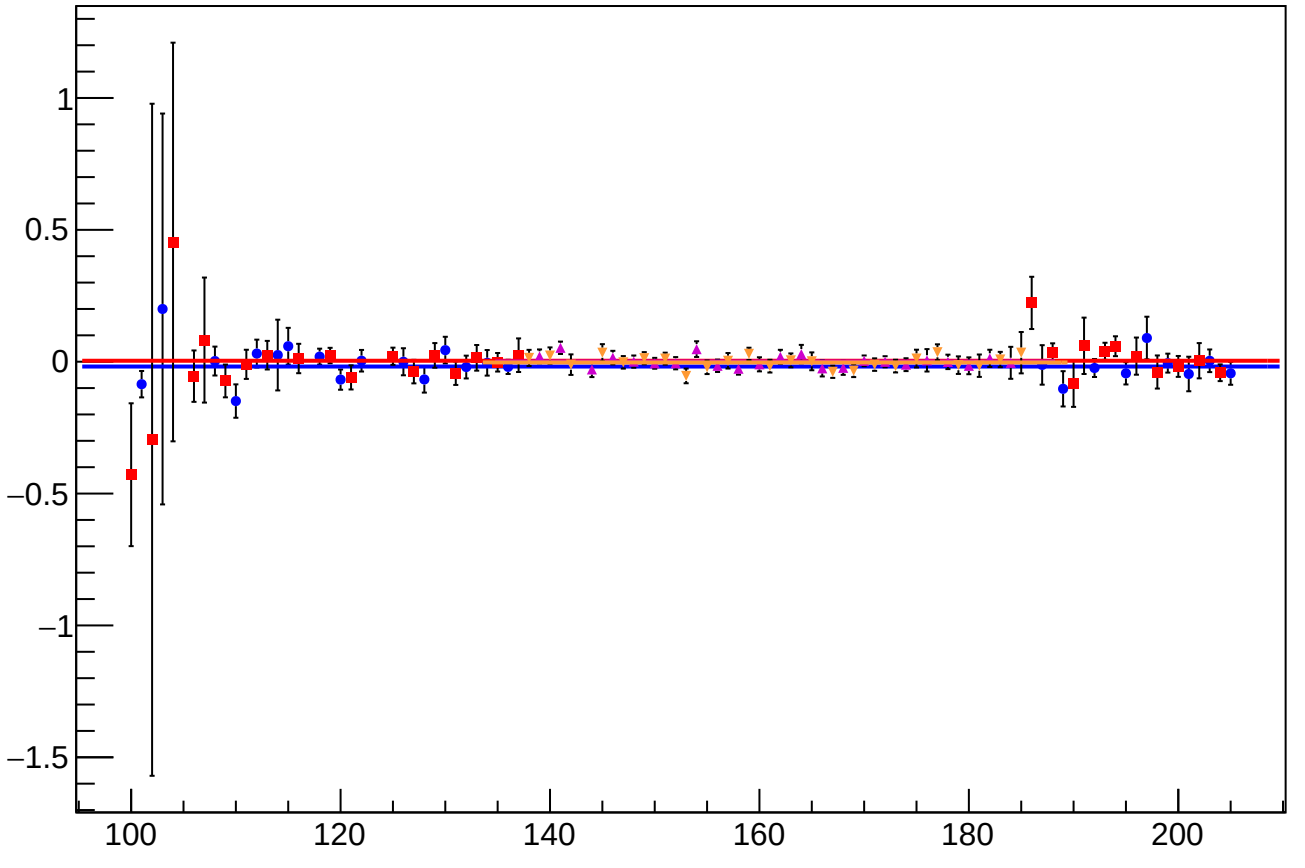
Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.552+/-0.003 χ^2/NDF: 4496094.7/48

All: 24.001+/-0.002 χ^2/NDF: 10906423.5/100

- sign 23.486+/-0.003 χ^2/NDF: 6360441.8/51



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

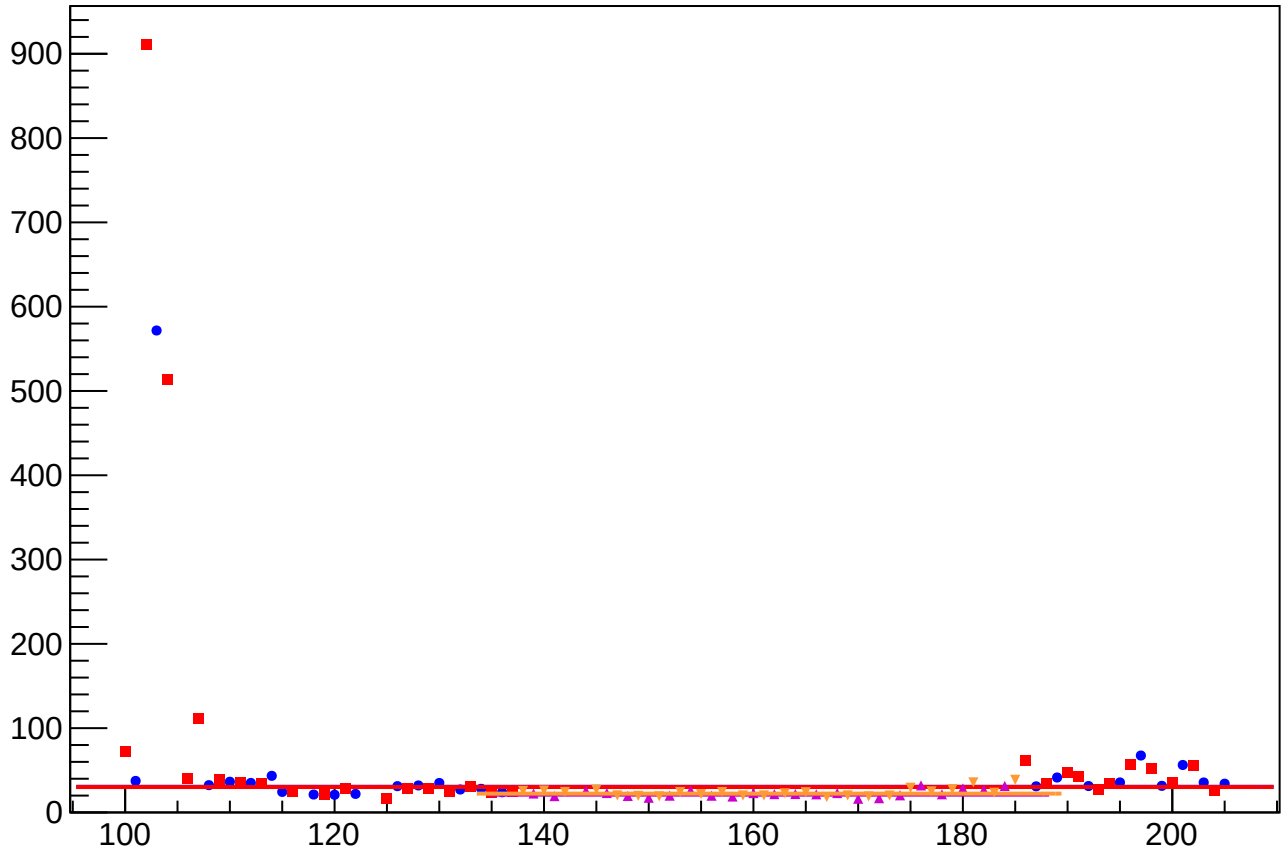
Right Out: 0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.003+/-0.003 χ^2/NDF: 77.5/100

\- sign 0.002+/-0.005 χ^2/NDF: 38.2/51



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

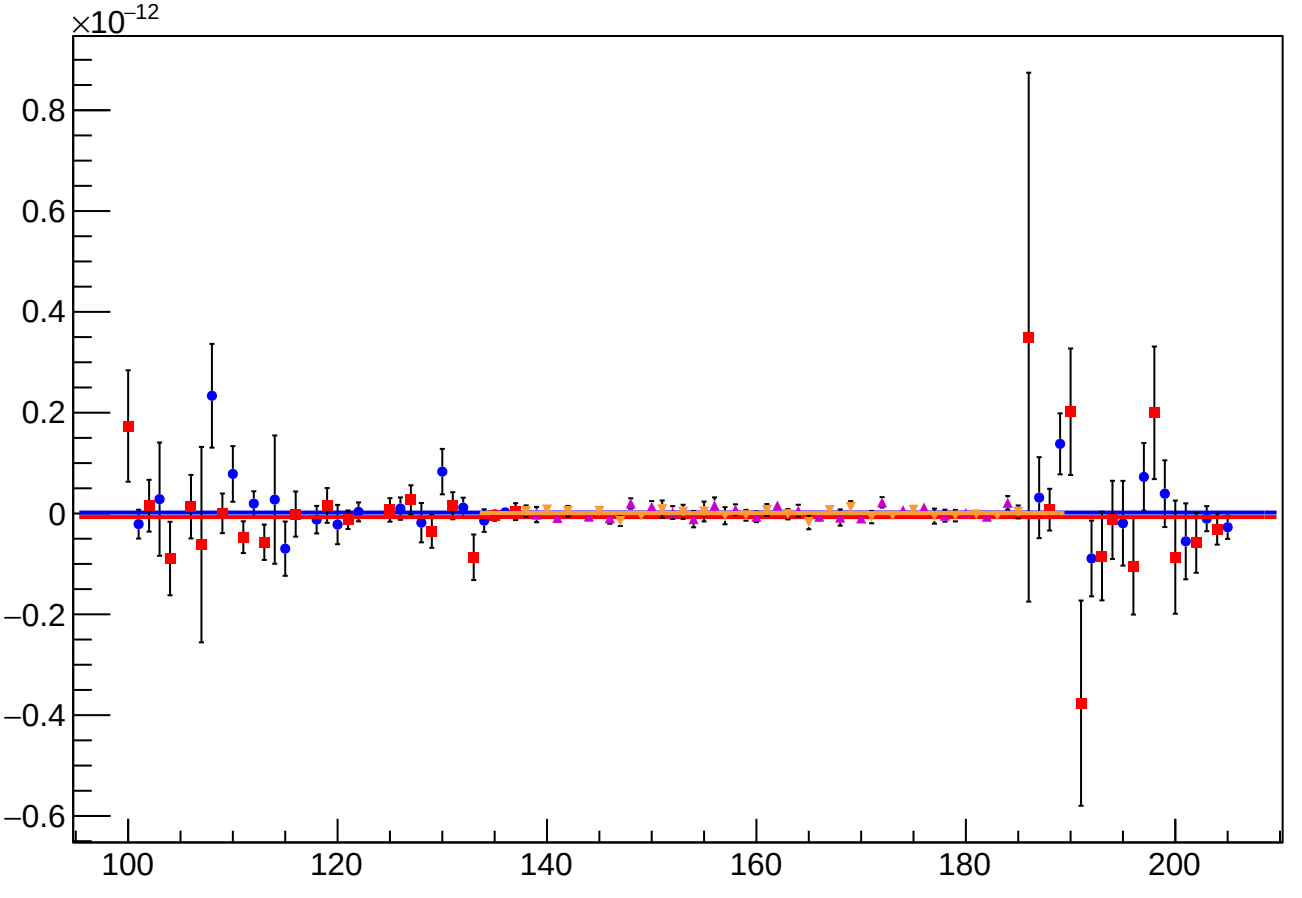
Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.552+/-0.003 χ^2/NDF: 4496094.7/48

All: 24.001+/-0.002 χ^2/NDF: 10906423.5/100

- sign 23.486+/-0.003 χ^2/NDF: 6360441.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/28

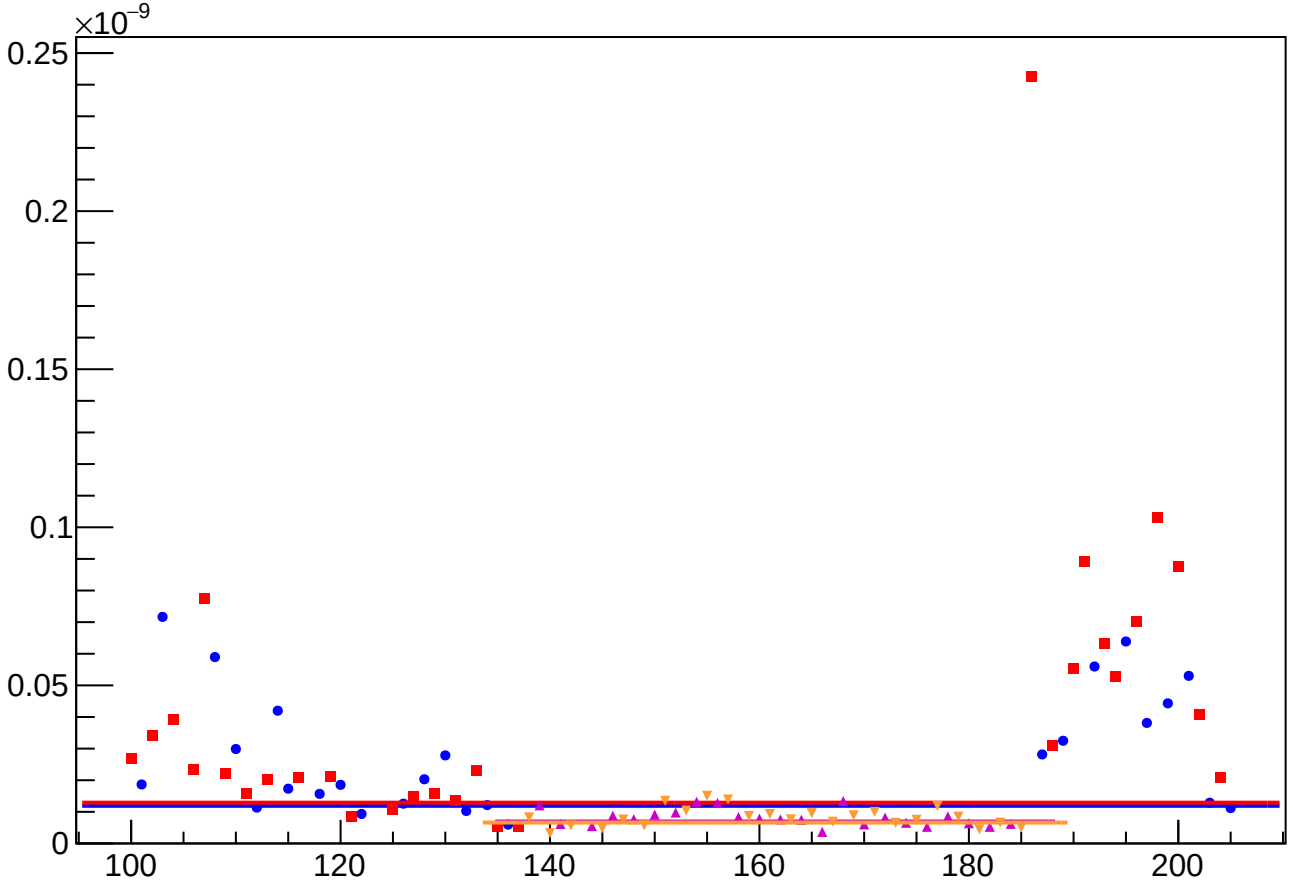
Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/48

All: 0.000+/-0.000 χ^2/NDF: 93.1/100

- sign 0.000+/-0.000 χ^2/NDF: 55.7/51

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6071475.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8640266.7/28

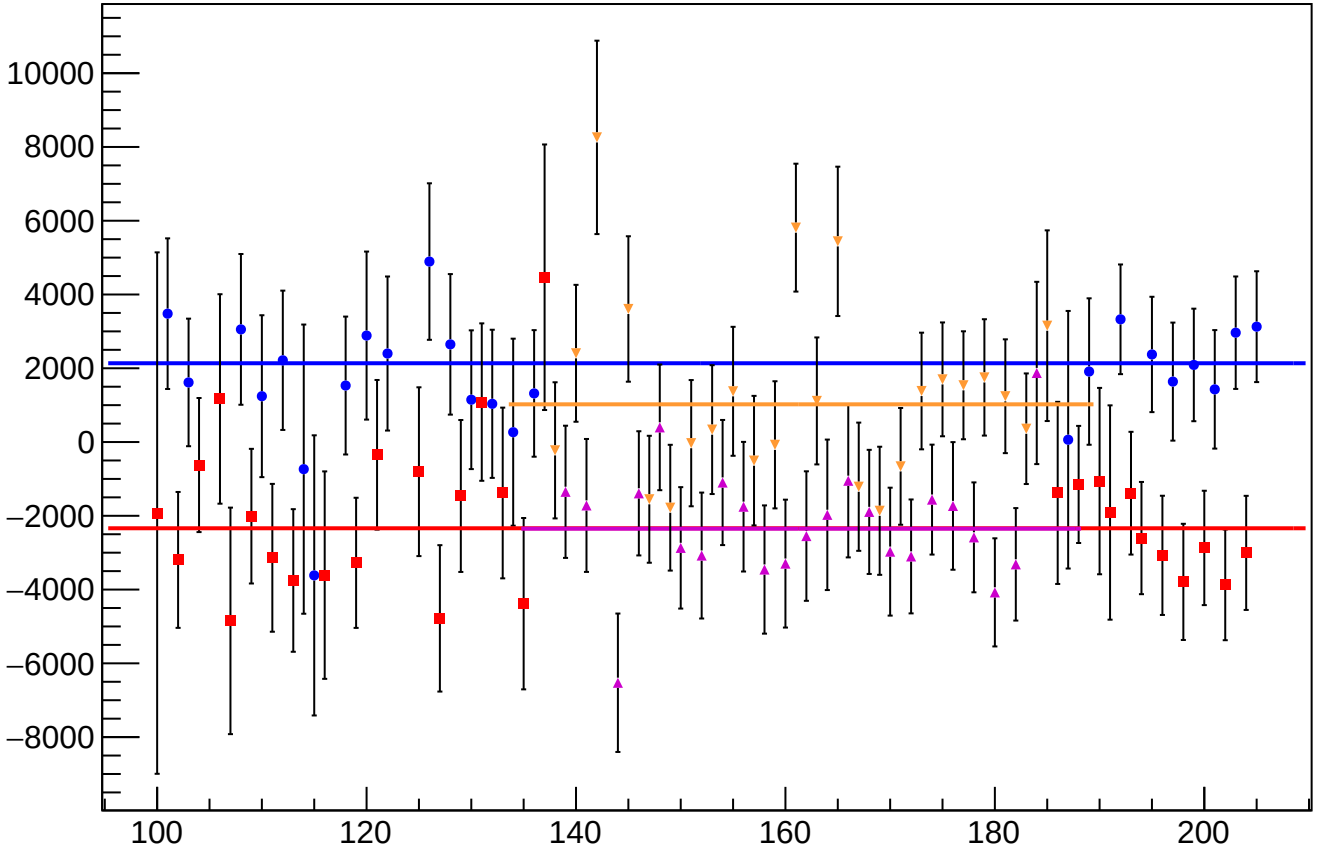
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11266477.4/48

All: 0.000+/-0.000 χ^2/NDF: 24125547.4/100

- sign 0.000+/-0.000 χ^2/NDF: 12827837.6/51

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2136.220+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2337.998+/-367.670 χ^2/NDF: 18.5/28

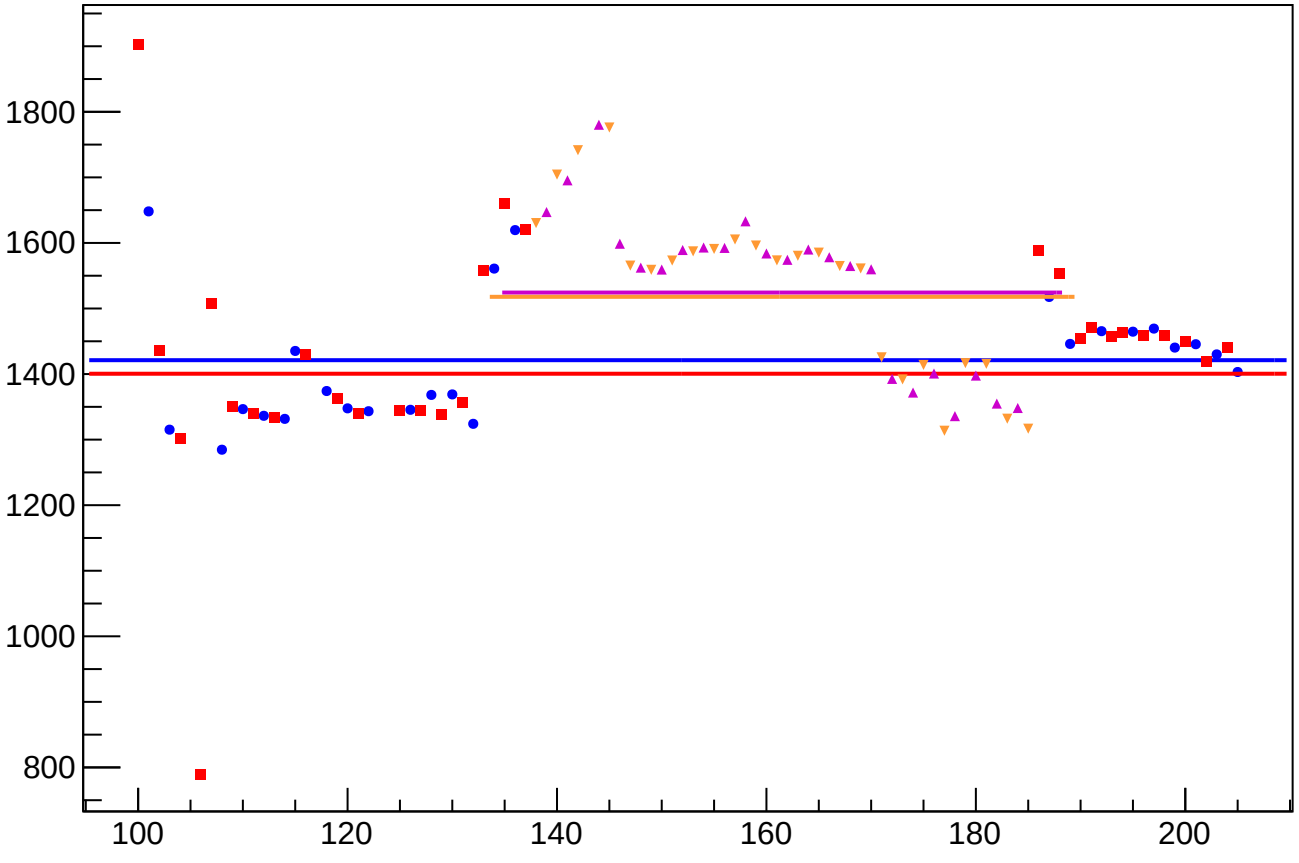
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1539.974+/-258.633 χ^2/NDF: 50.2/48

All: -420.613+/-181.997 χ^2/NDF: 198.5/100

- sign -2343.757+/-256.151 χ^2/NDF: 34.4/51

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.500+/-0.256 χ^2/NDF: 395648.8/28

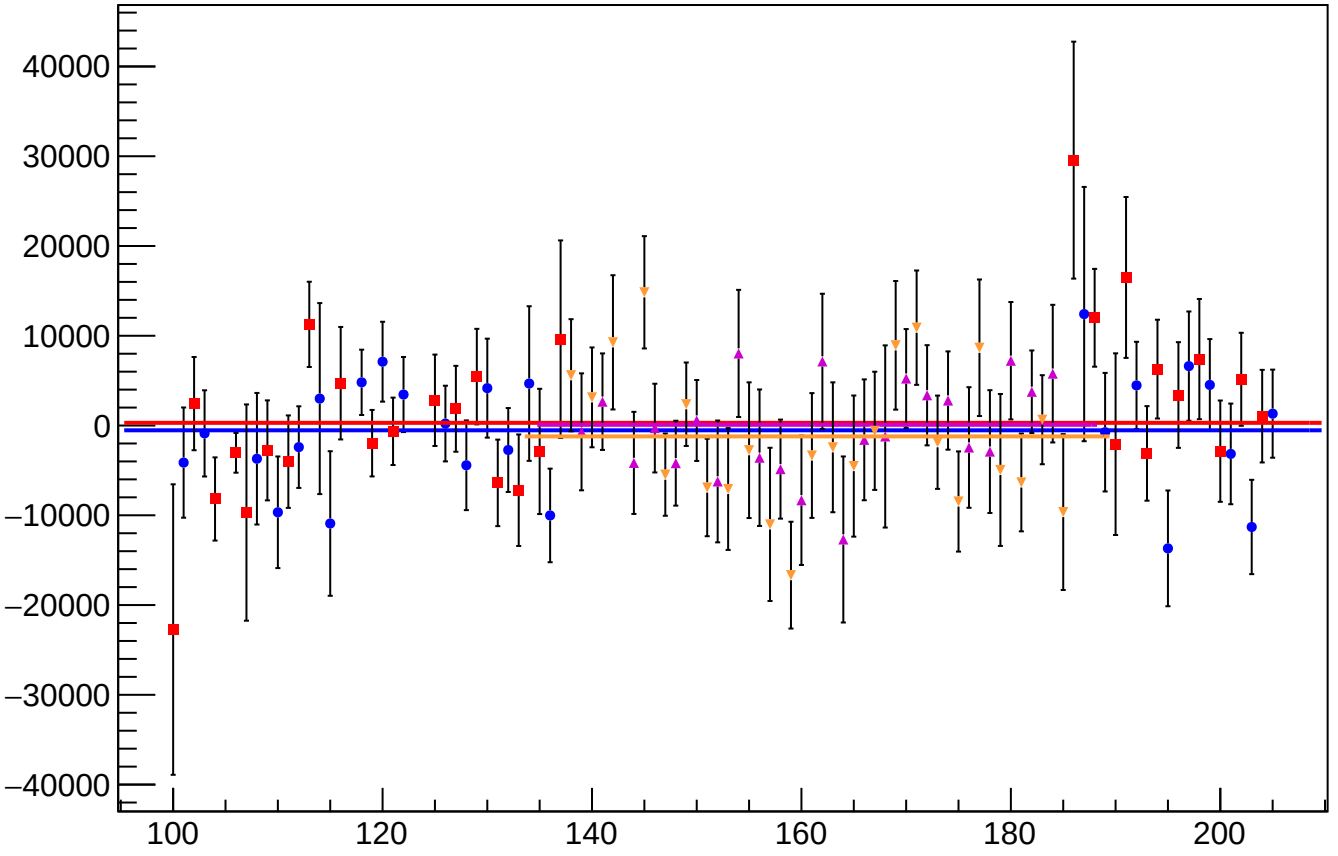
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1472.912+/-0.183 χ^2/NDF: 409341.9/48

All: 1467.980+/-0.128 χ^2/NDF: 1149405.1/10

- sign 1463.217+/-0.180 χ^2/NDF: 738633.4/51

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -532.740+/-1075.367 χ^2/NDF: 28.9/24

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 299.550+/-959.819 χ^2/NDF: 38.5/28

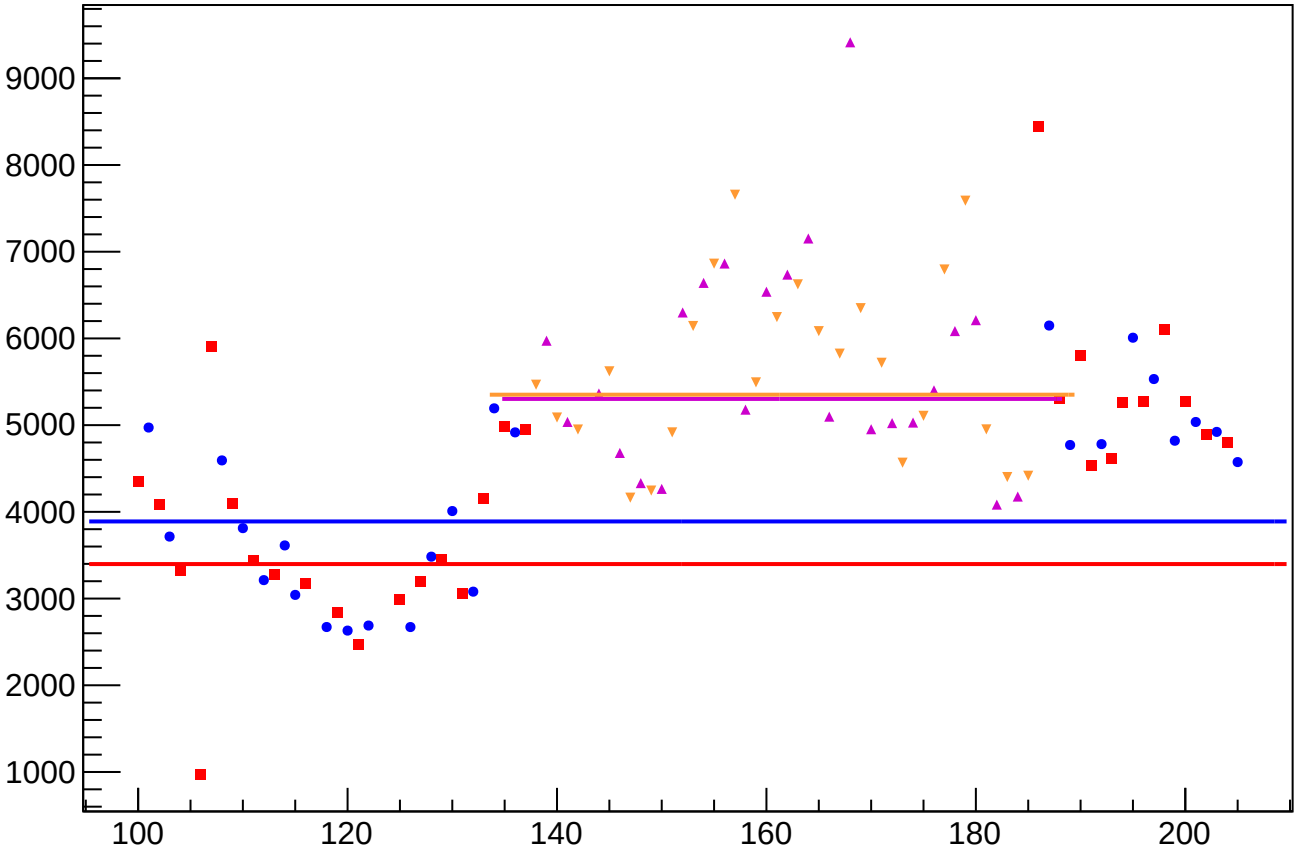
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -816.780+/-820.226 χ^2/NDF: 62.3/48

All: -262.198+/-559.240 χ^2/NDF: 114.8/100

- sign 219.566+/-764.483 χ^2/NDF: 51.7/51

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3889.376+/-0.760 χ^2/NDF: 1846818.5/24

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3397.850+/-0.679 χ^2/NDF: 5020291.2/28

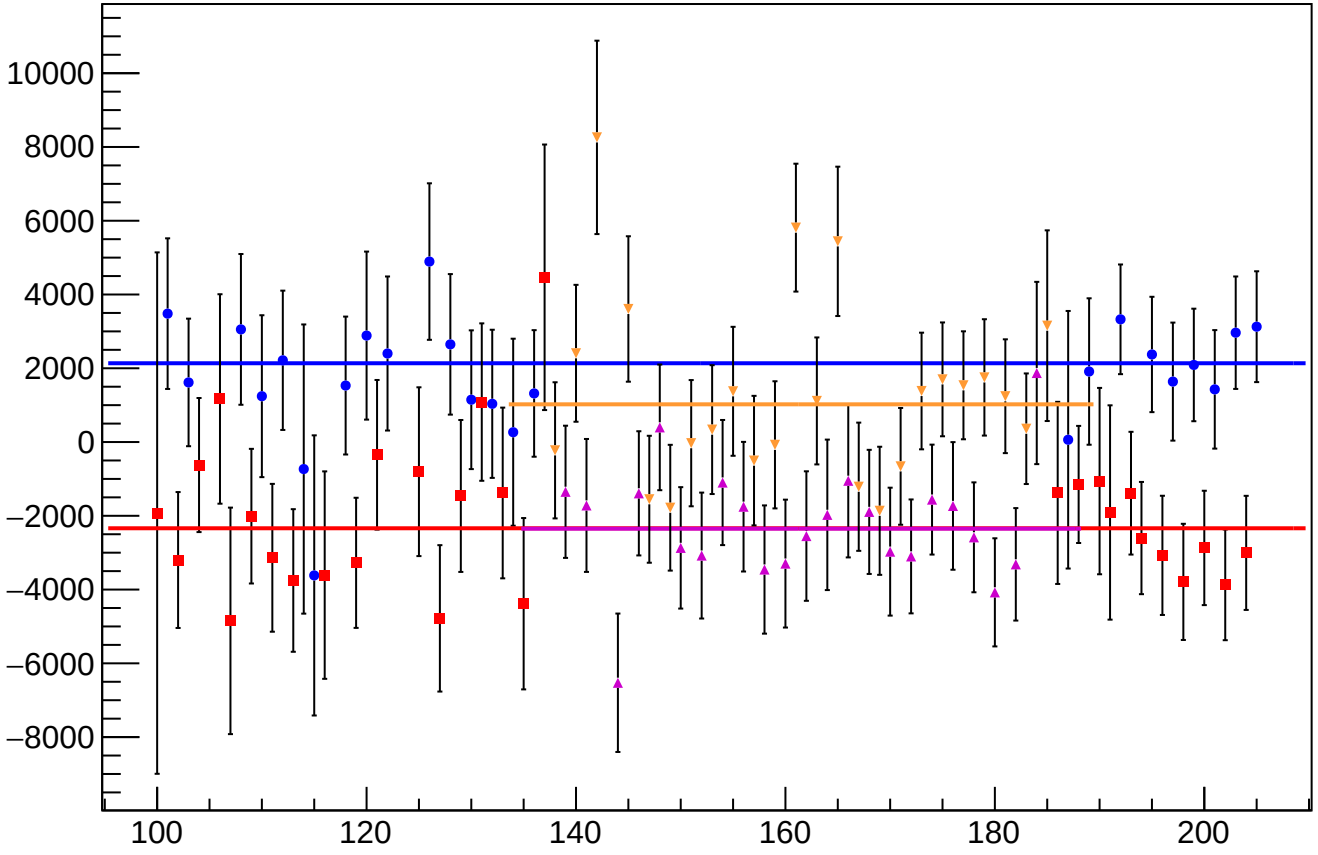
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4500.720+/-0.580 χ^2/NDF: 4458386.8/48

All: 4283.120+/-0.395 χ^2/NDF: 13876451.8/1

- sign 4094.092+/-0.541 χ^2/NDF: 9155026.9/51

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2338.083+/-367.671 χ^2/NDF: 18.5/28

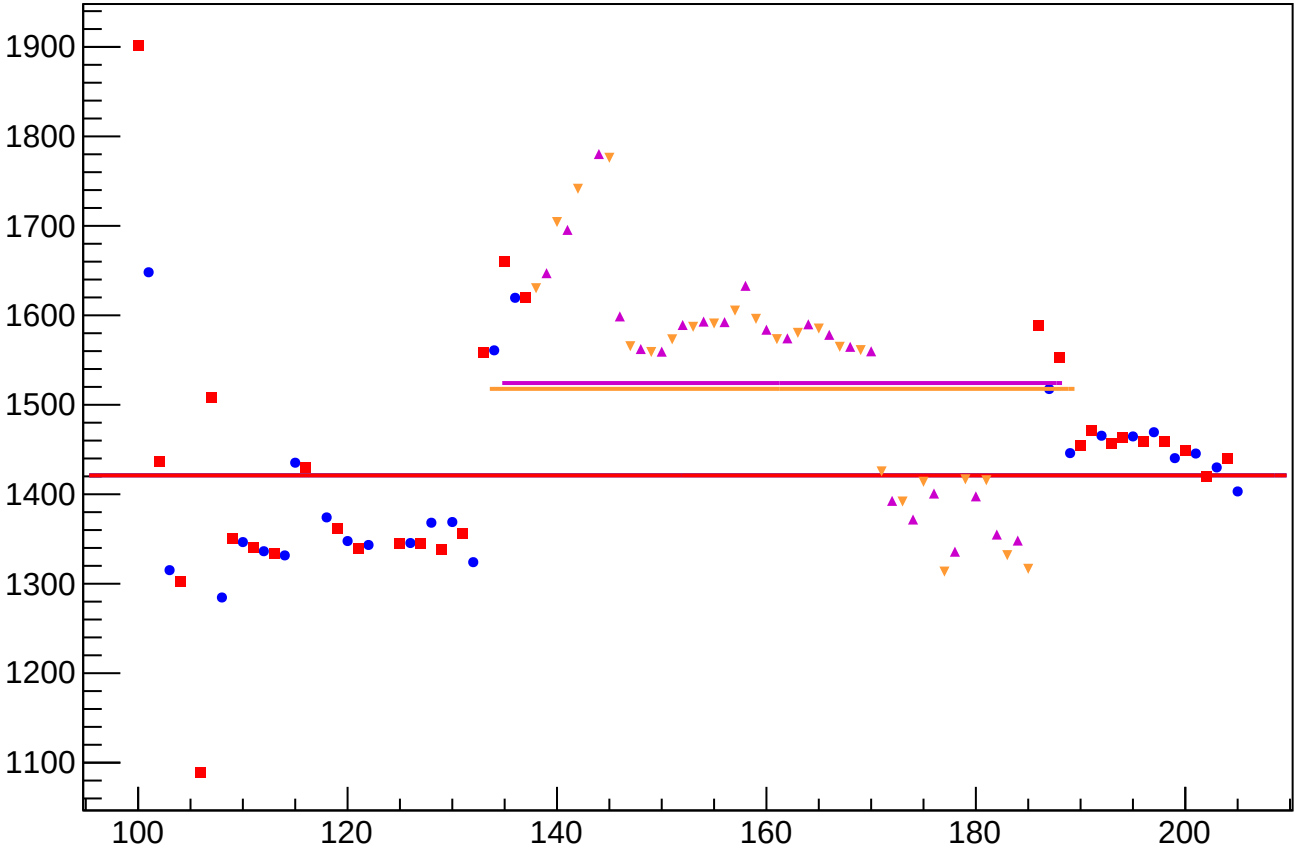
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1539.983+/-258.633 χ^2/NDF: 50.2/48

All: -420.625+/-181.998 χ^2/NDF: 198.5/100

- sign -2343.797+/-256.152 χ^2/NDF: 34.4/51

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

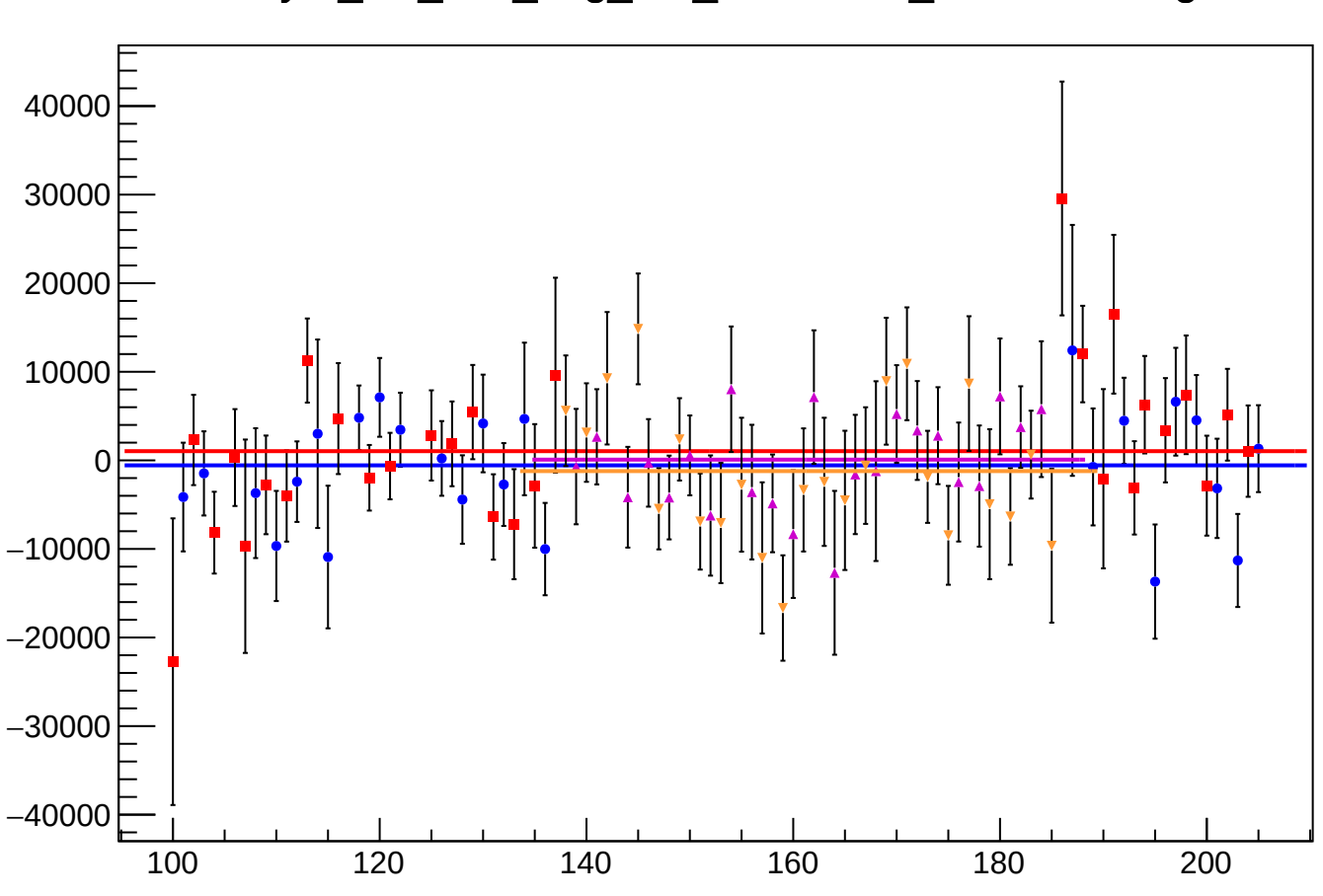
Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1472.912+/-0.183 χ^2/NDF: 409342.0/48

All: 1473.391+/-0.128 χ^2/NDF: 874499.6/100

- sign 1473.858+/-0.181 χ^2/NDF: 465144.1/51



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1038.745+/-1044.449 χ^2/NDF: 35.7/28

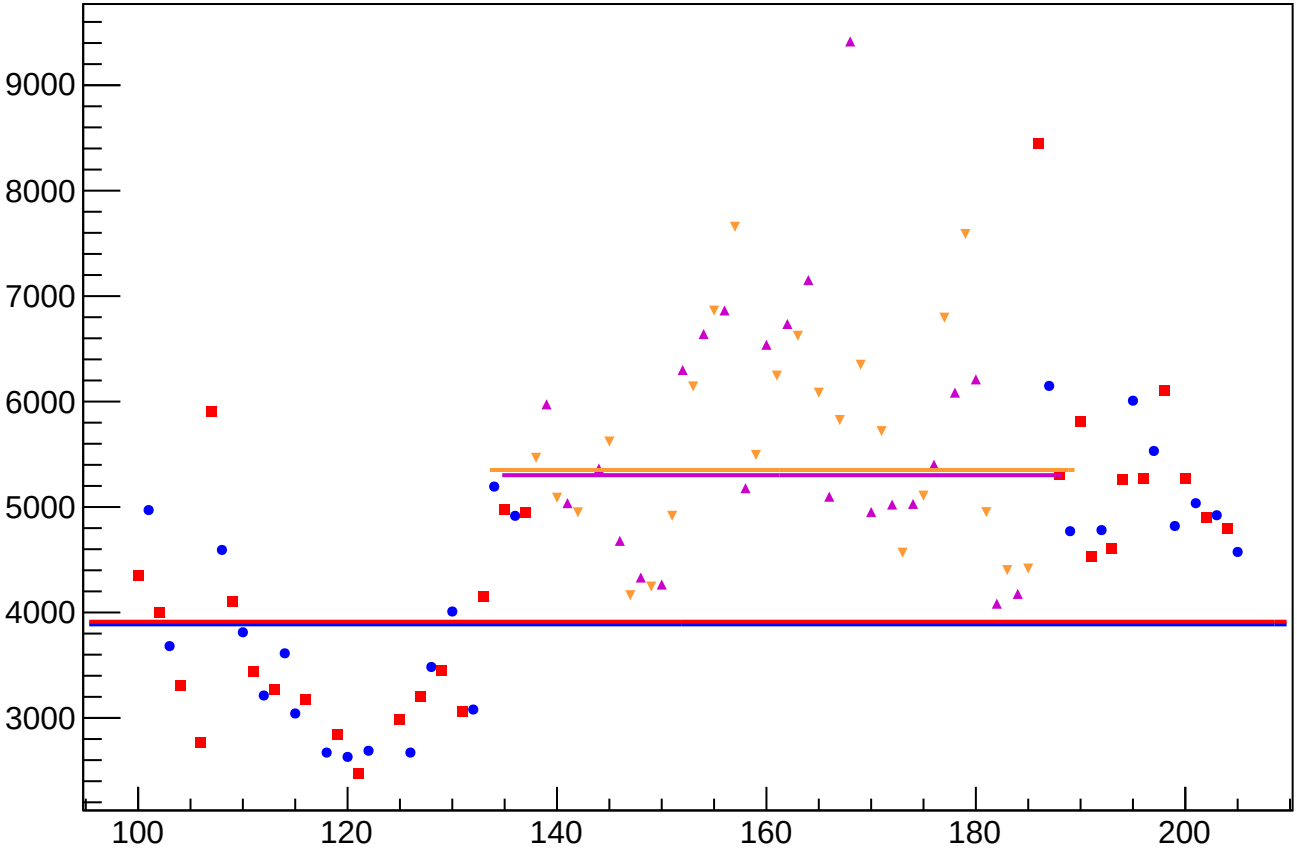
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -834.767+/-819.976 χ^2/NDF: 62.3/48

All: -78.842+/-574.525 χ^2/NDF: 113.2/100

- sign 650.137+/-805.228 χ^2/NDF: 49.2/51

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

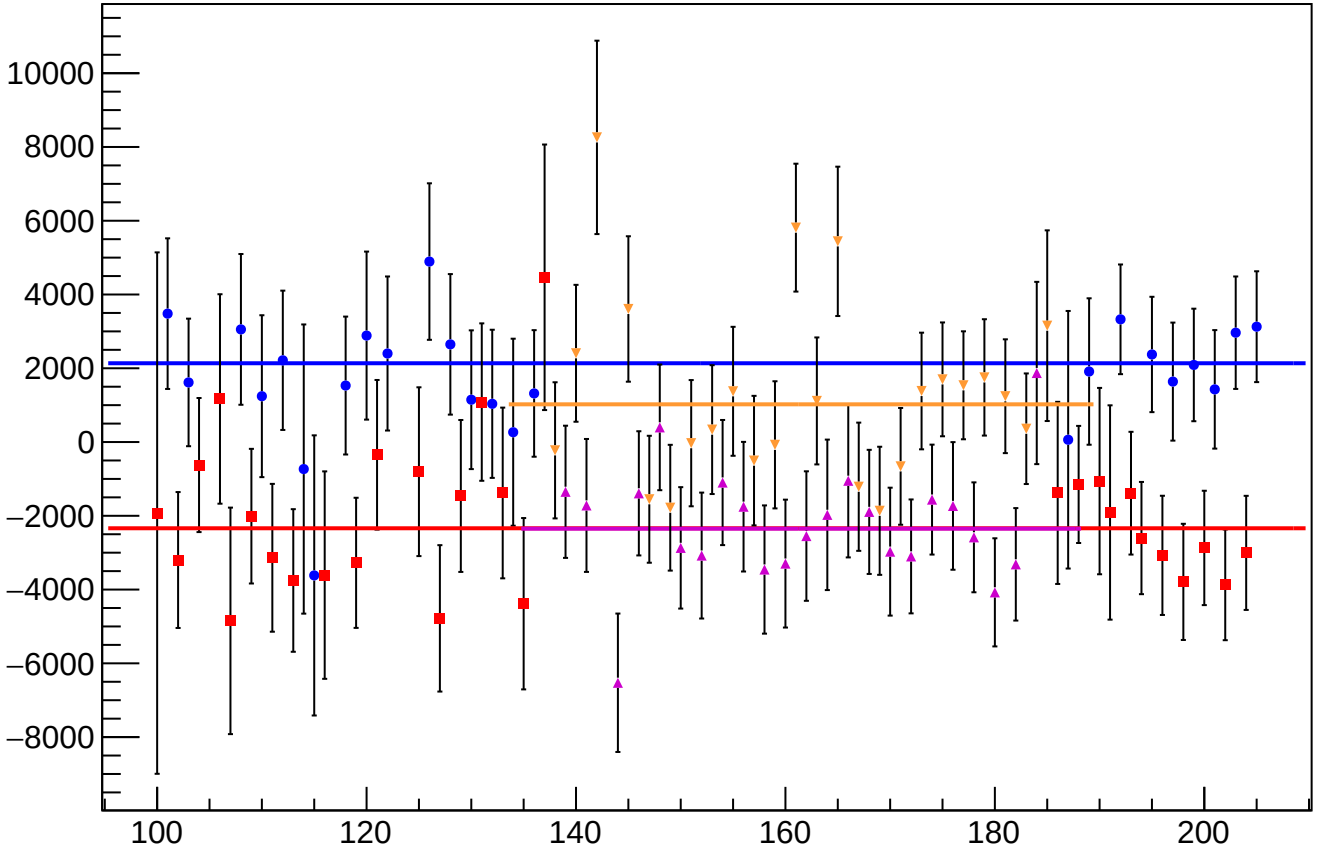
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4499.233+/-0.580 χ^2/NDF: 4464216.1/48

All: 4487.481+/-0.406 χ^2/NDF: 9305781.1/10

\- sign 4476.148+/-0.569 χ^2/NDF: 4840758.0/51

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2338.083+/-367.671 χ^2/NDF: 18.5/28

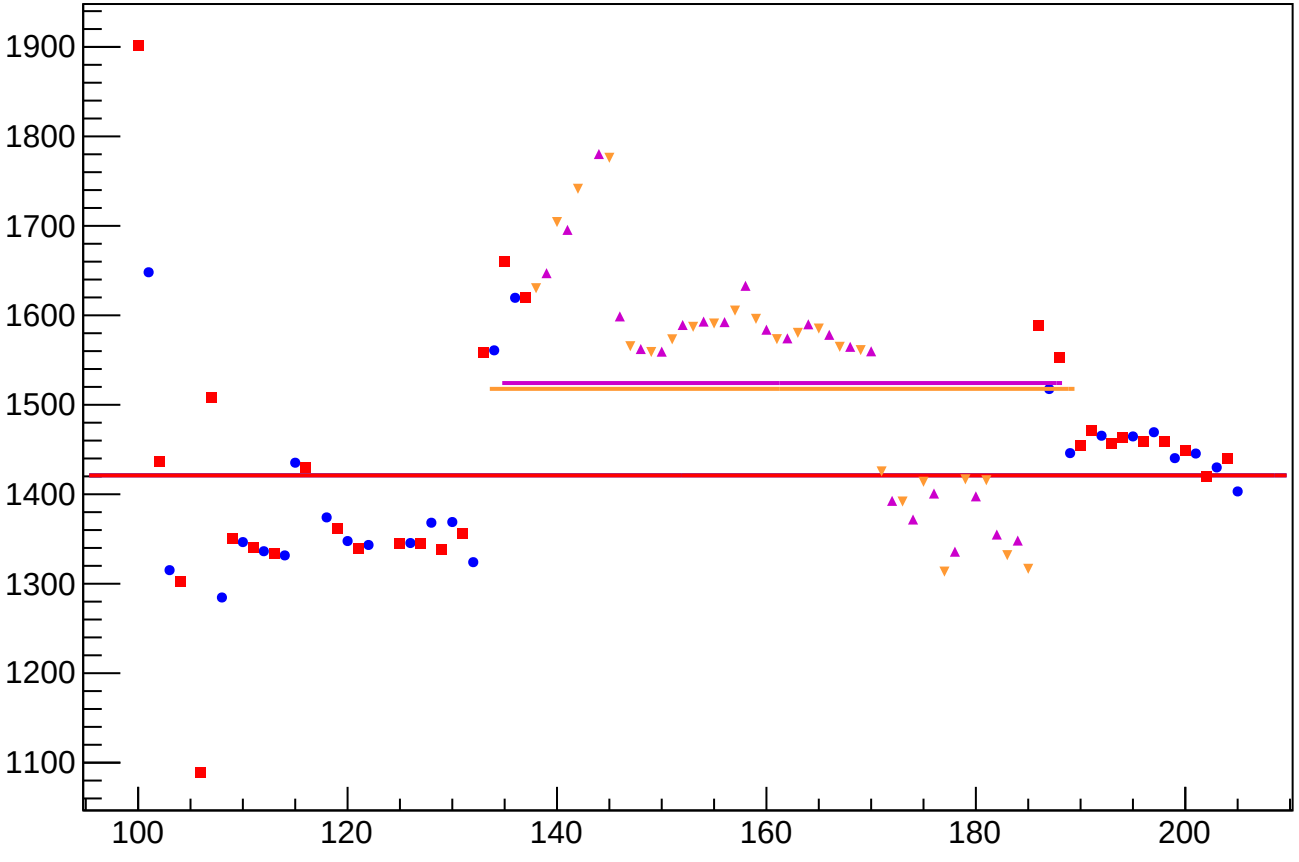
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1539.983+/-258.633 χ^2/NDF: 50.2/48

All: -420.625+/-181.998 χ^2/NDF: 198.5/100

- sign -2343.797+/-256.152 χ^2/NDF: 34.4/51

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

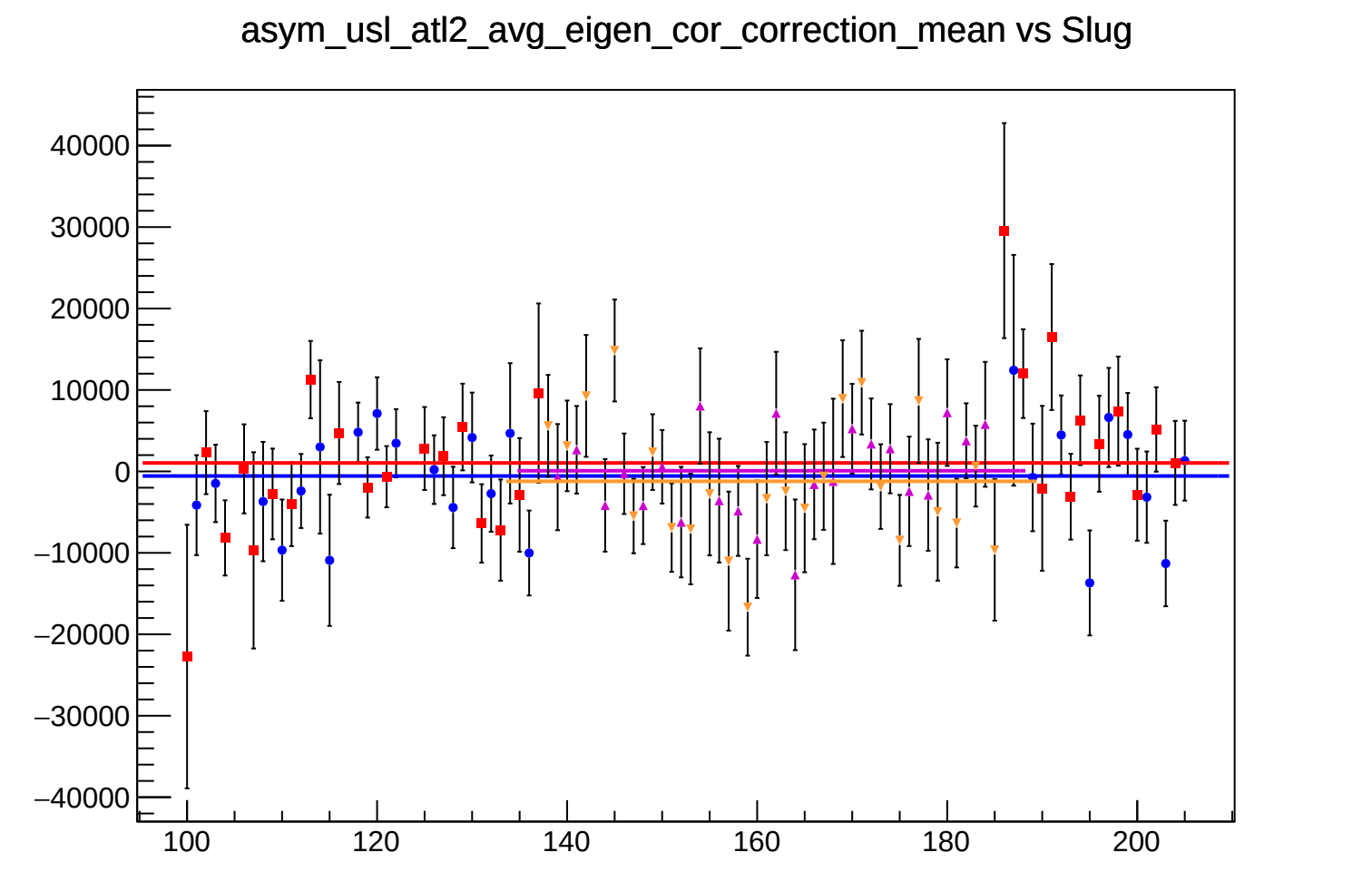
Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1472.912+/-0.183 χ^2/NDF: 409342.0/48

All: 1473.391+/-0.128 χ^2/NDF: 874499.6/100

- sign 1473.858+/-0.181 χ^2/NDF: 465144.1/51



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

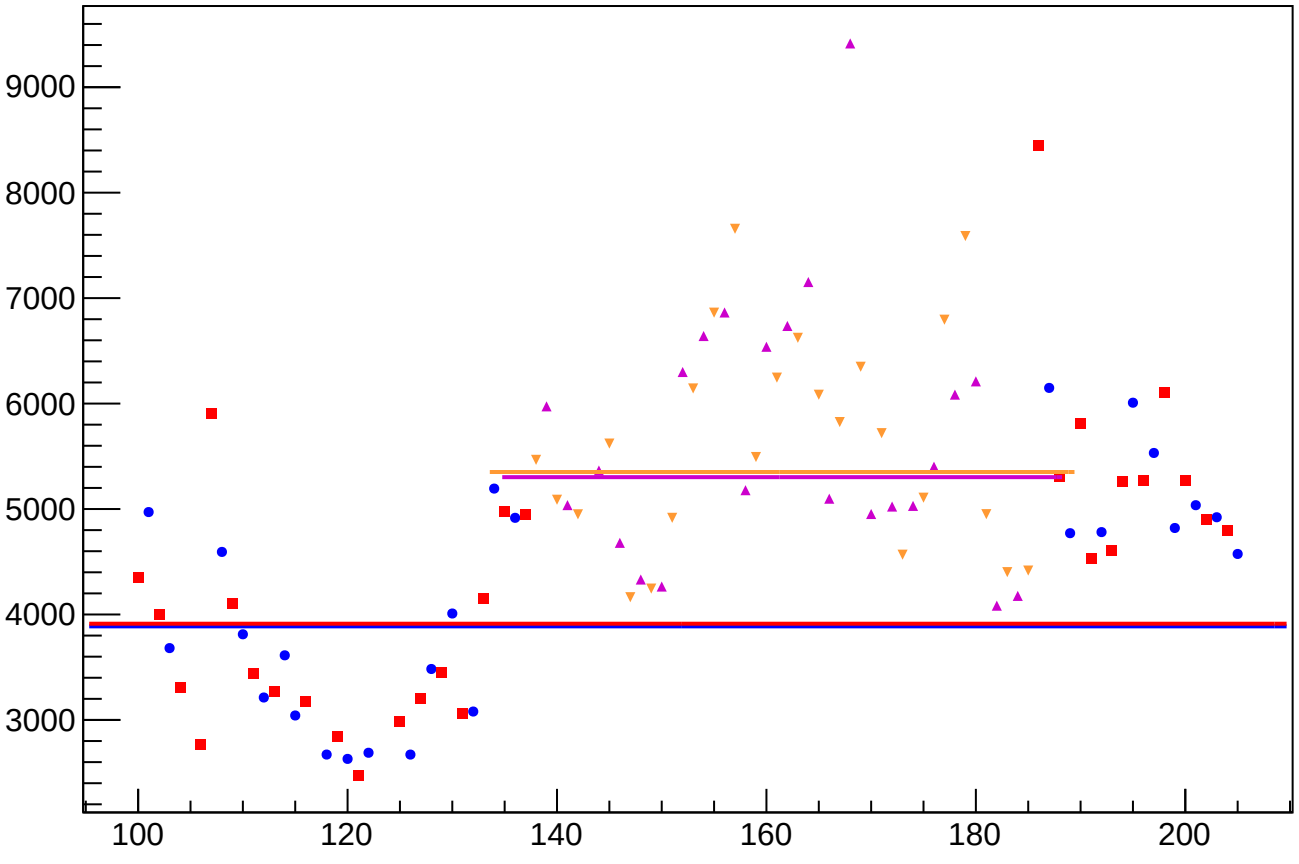
Right Out: 1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -834.767+/-819.976 χ^2/NDF: 62.3/48

All: -78.842+/-574.525 χ^2/NDF: 113.2/100

- sign 650.137+/-805.228 χ^2/NDF: 49.2/51



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

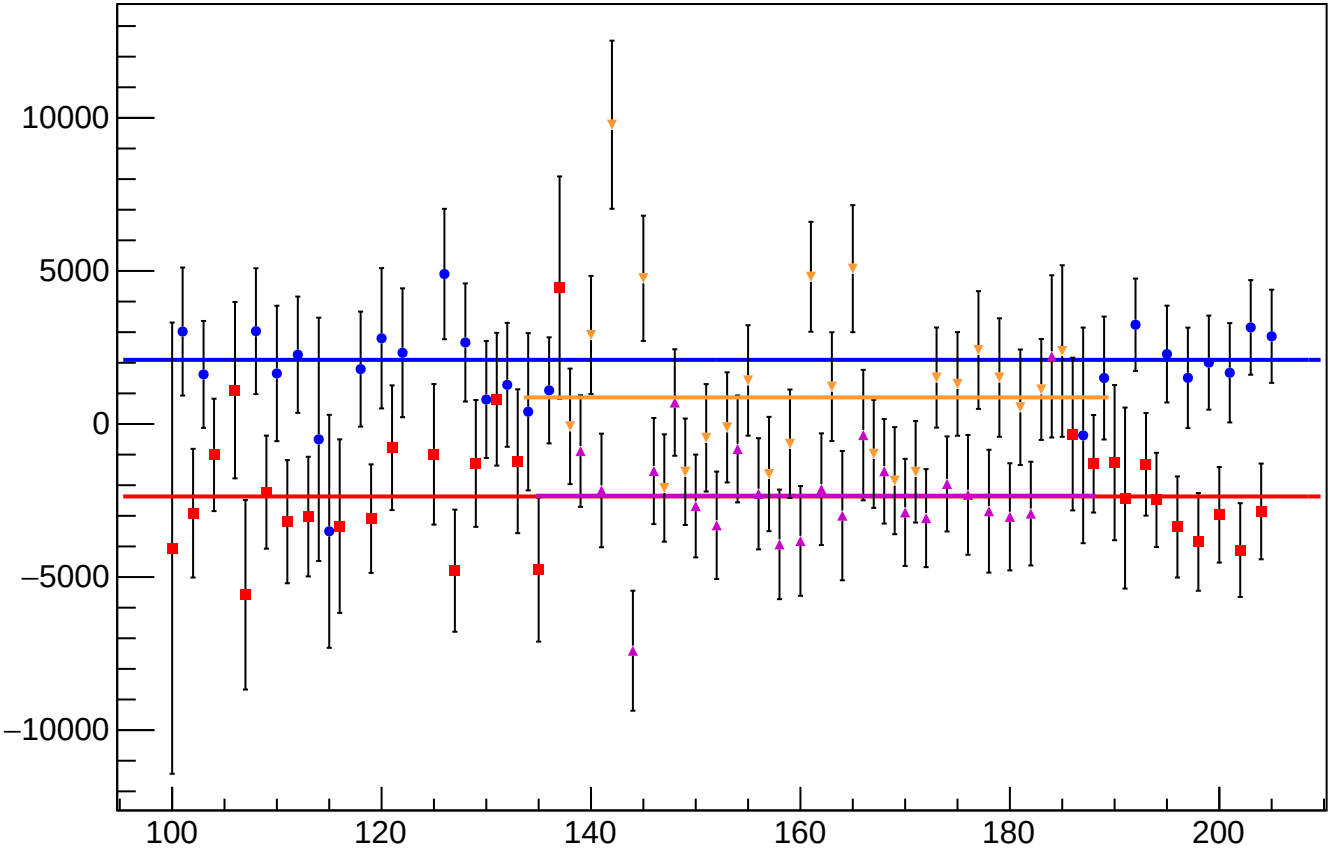
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4499.233+/-0.580 χ^2/NDF: 4464216.1/48

All: 4487.481+/-0.406 χ^2/NDF: 9305781.1/10

- sign 4476.148+/-0.569 χ^2/NDF: 4840758.0/51

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2095.925+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2367.097+/-373.120 χ^2/NDF: 17.9/28

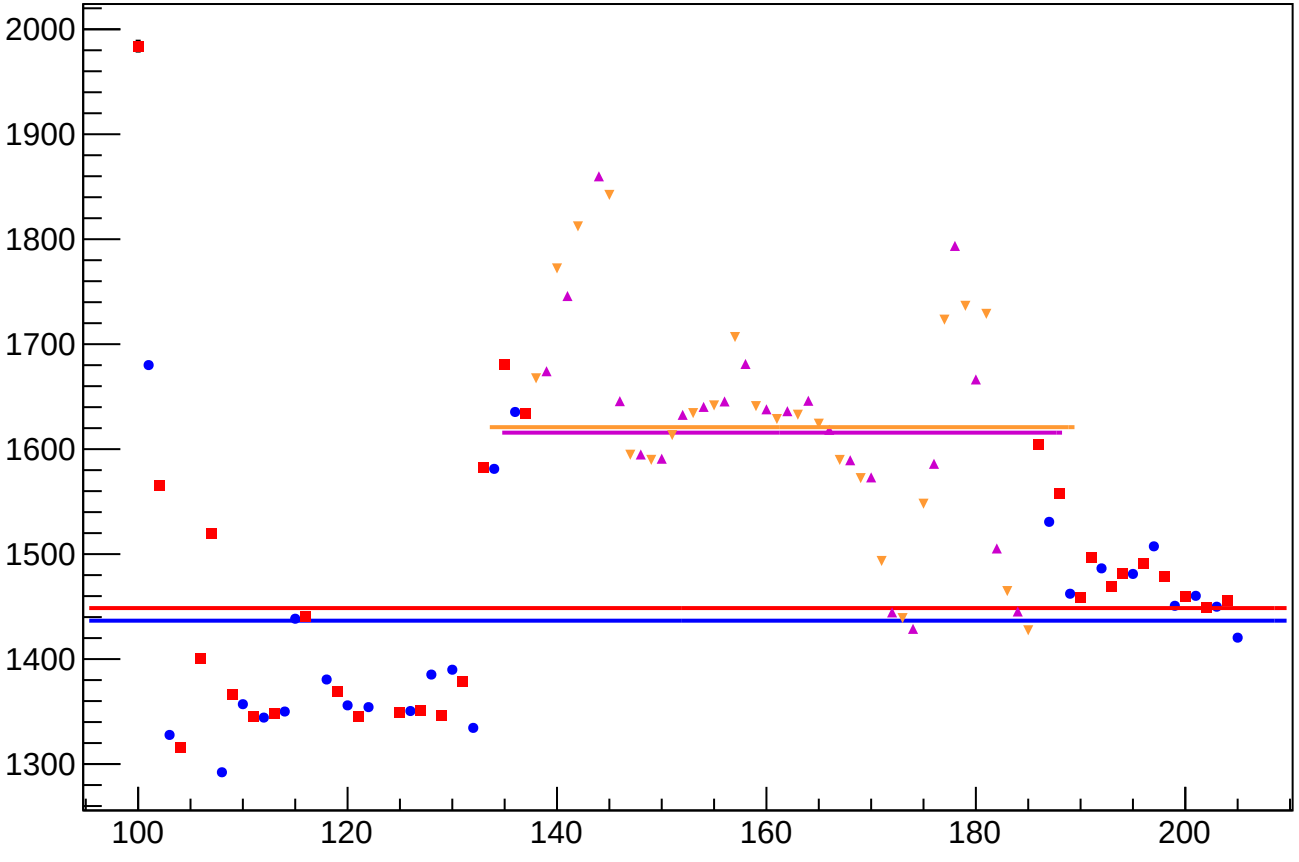
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1471.616+/-268.989 χ^2/NDF: 53.5/48

All: -466.004+/-188.989 χ^2/NDF: 191.9/100

- sign -2354.865+/-265.583 χ^2/NDF: 36.0/51

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.5/24

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.4/28

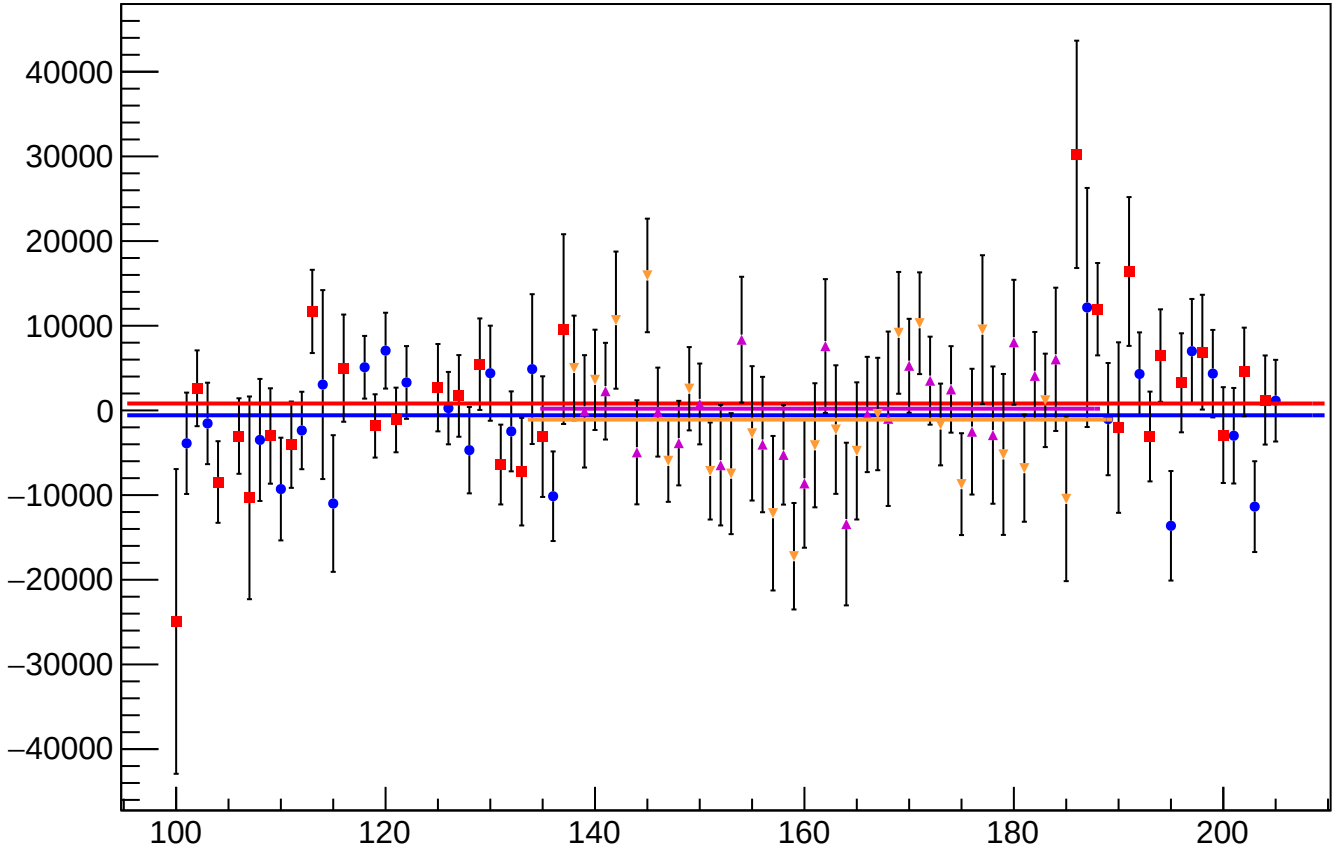
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1530.349+/-0.190 χ^2/NDF: 491021.8/48

All: 1530.641+/-0.134 χ^2/NDF: 946820.9/100

- sign 1530.924+/-0.188 χ^2/NDF: 455794.5/51

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -575.070+/-1084.701 χ^2/NDF: 28.5/24

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 817.270+/-1038.025 χ^2/NDF: 36.5/28

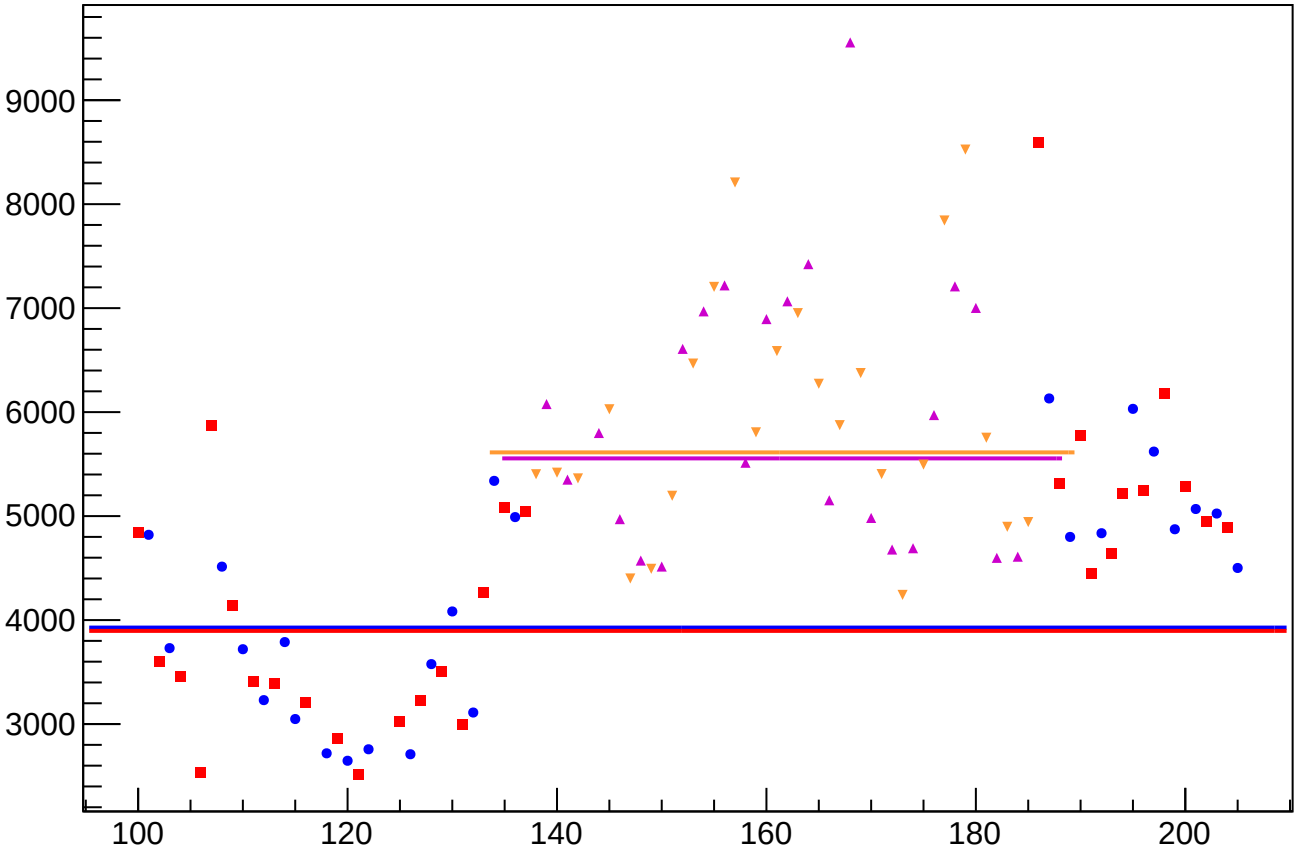
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -777.218+/-841.195 χ^2/NDF: 61.5/48

All: -77.398+/-586.223 χ^2/NDF: 112.4/100

- sign 583.398+/-817.405 χ^2/NDF: 49.5/51

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3927.858+/-0.767 χ^2/NDF: 1798166.2/24

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3896.095+/-0.734 χ^2/NDF: 2233726.2/28

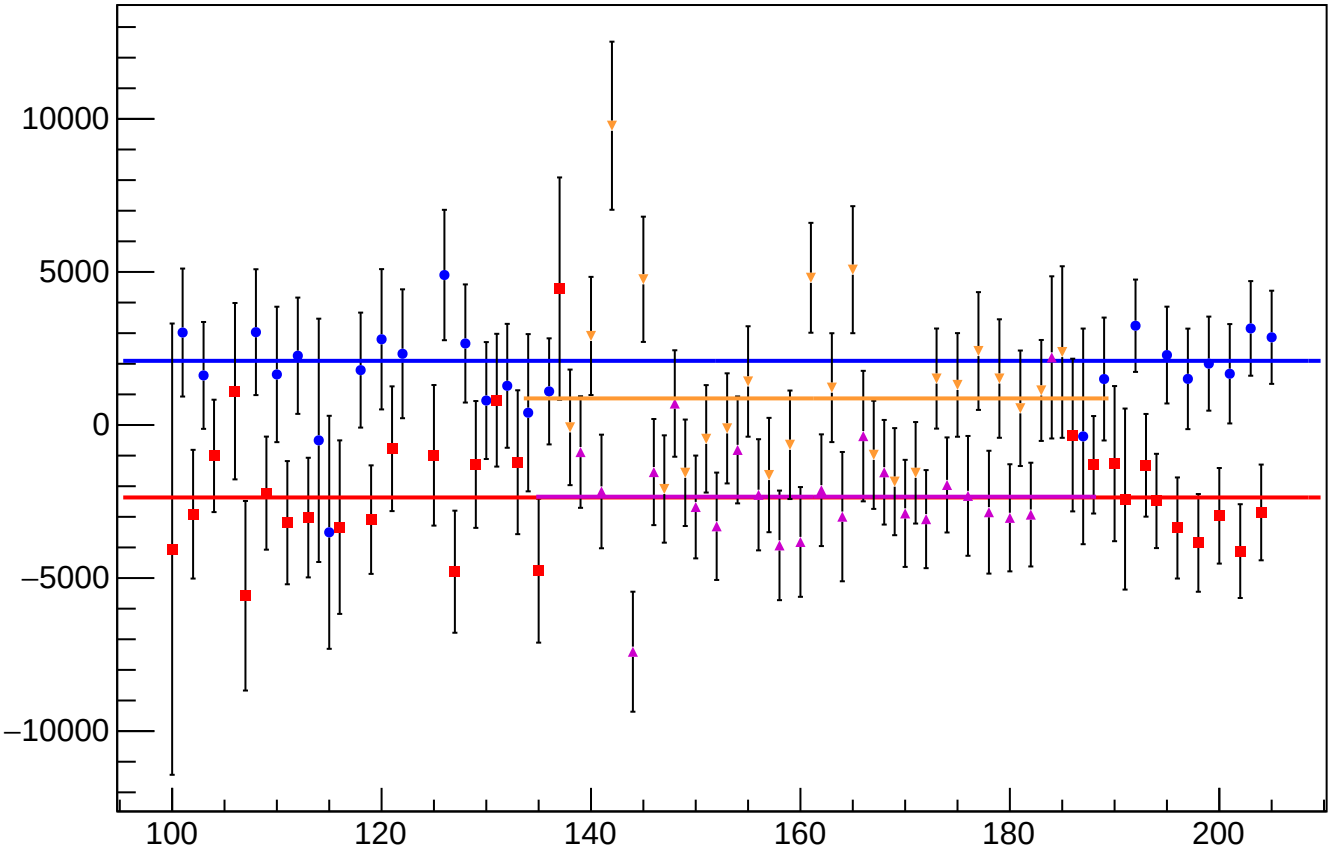
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4599.425+/-0.595 χ^2/NDF: 4909668.7/48

All: 4561.810+/-0.415 χ^2/NDF: 10424546.8/1

- sign 4526.292+/-0.578 χ^2/NDF: 5507102.9/51

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2095.922+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2367.097+/-373.120 χ^2/NDF: 17.9/28

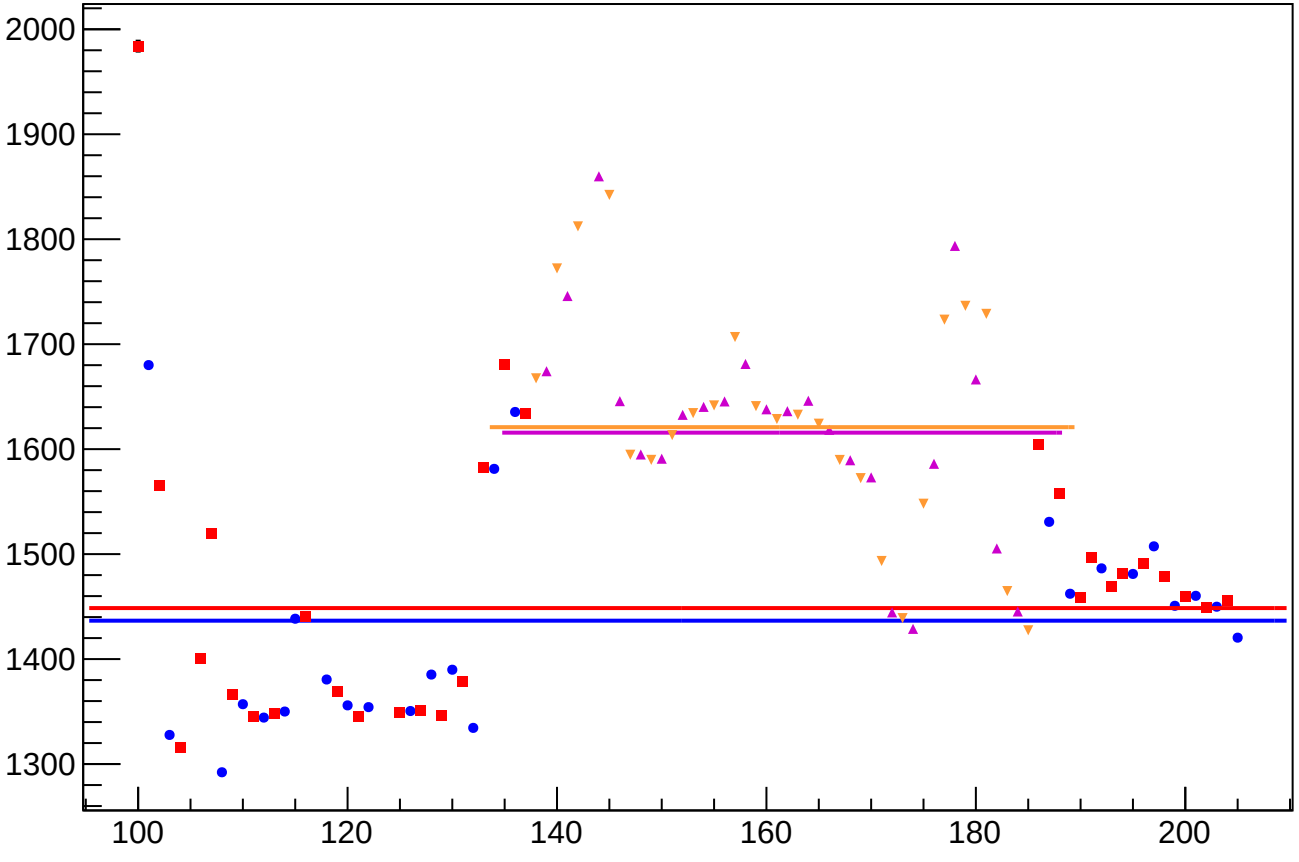
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1471.612+/-268.990 χ^2/NDF: 53.5/48

All: -466.006+/-188.989 χ^2/NDF: 191.9/100

- sign -2354.865+/-265.584 χ^2/NDF: 36.0/51

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.6/24

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

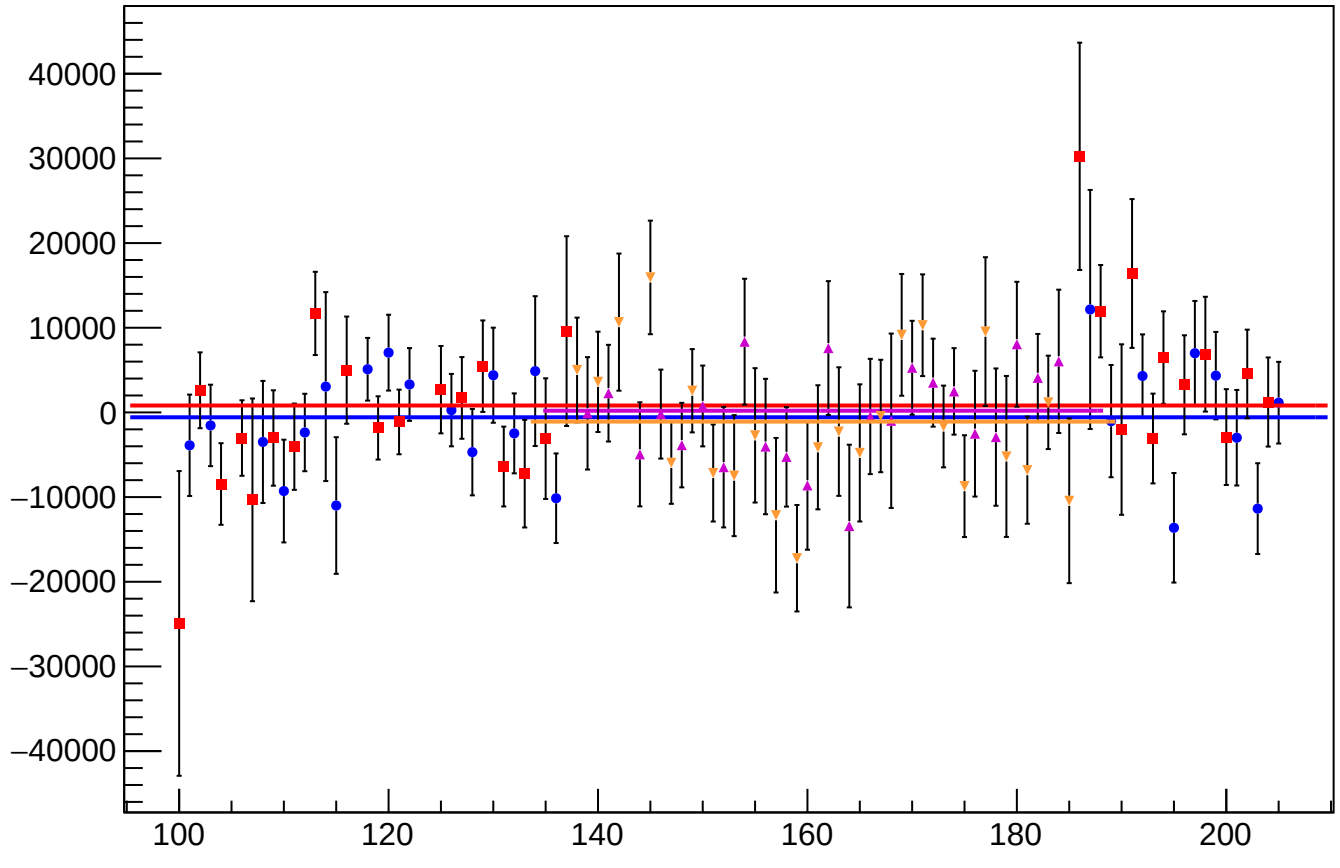
Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.5/28

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1530.350+/-0.190 χ^2/NDF: 491029.7/48

All: 1530.641+/-0.134 χ^2/NDF: 946836.4/100

- sign 1530.925+/-0.188 χ^2/NDF: 455802.1/51



Right In: -575.063+/-1084.700 χ^2/NDF: 28.5/24

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 817.263+/-1038.024 χ^2/NDF: 36.5/28

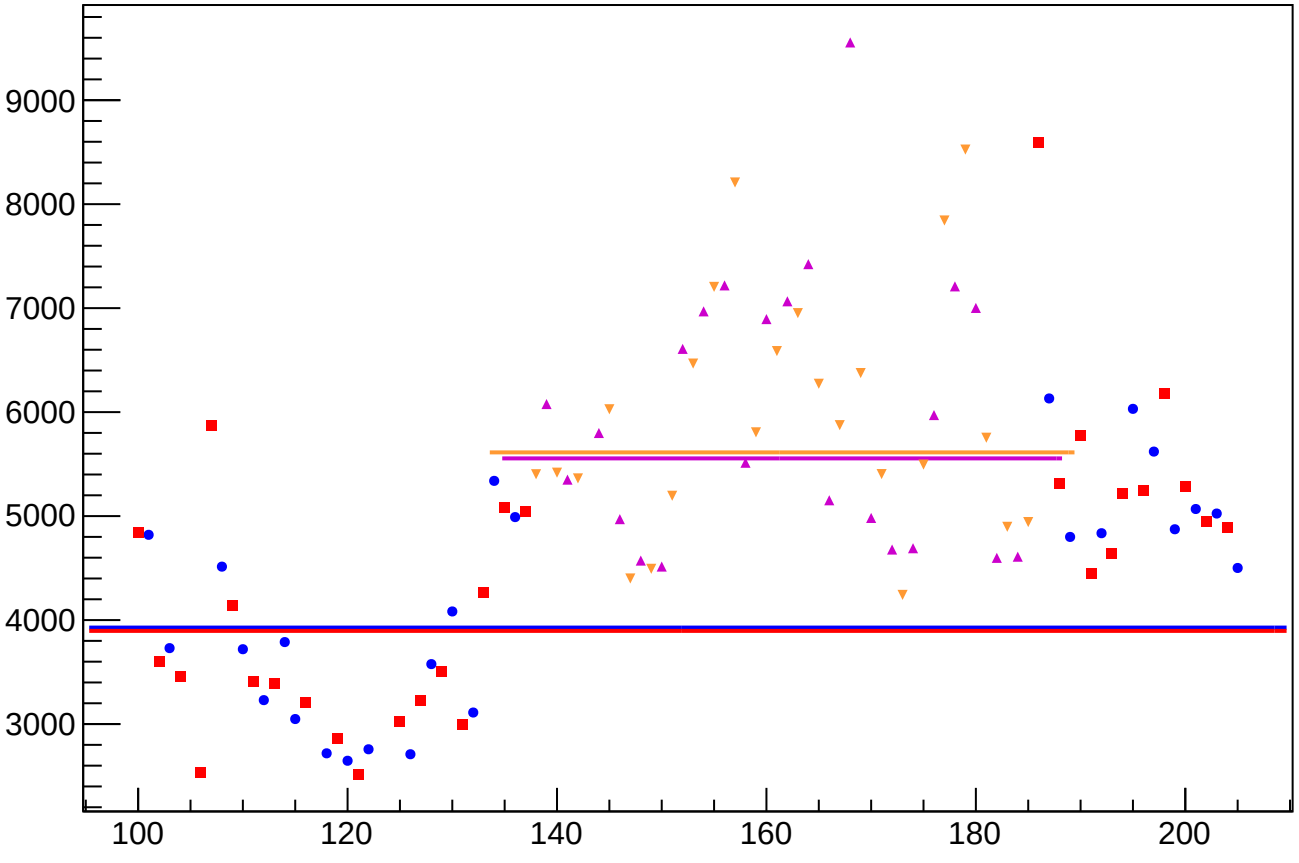
Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -777.216+/-841.195 χ^2/NDF: 61.5/48

All: -77.398+/-586.223 χ^2/NDF: 112.4/100

\- sign 583.395+/-817.405 χ^2/NDF: 49.5/51

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3927.850+/-0.767 χ^2/NDF: 1798198.3/24

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3896.087+/-0.734 χ^2/NDF: 2233753.6/28

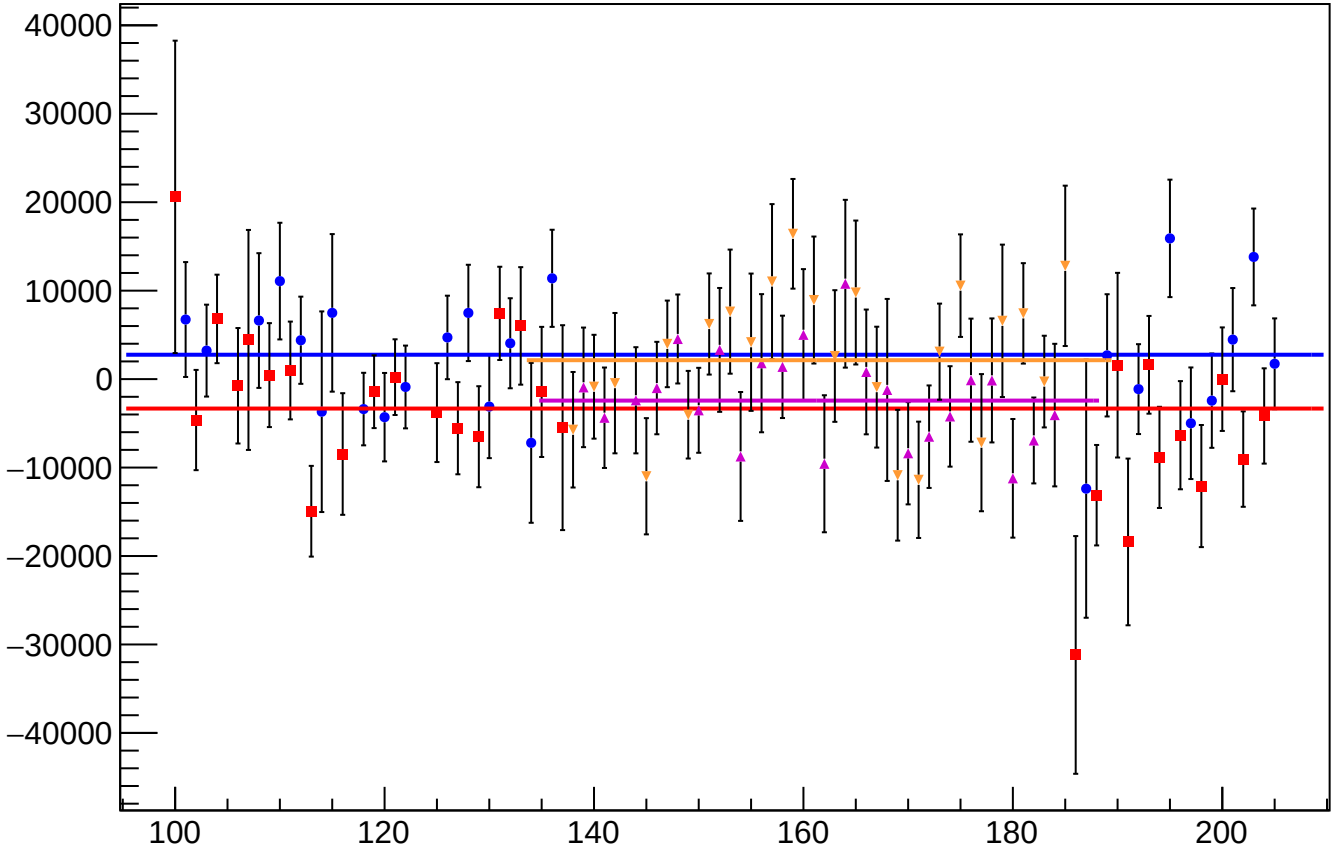
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4599.421+/-0.595 χ^2/NDF: 4909739.1/48

All: 4561.806+/-0.415 χ^2/NDF: 10424683.1/1

- sign 4526.288+/-0.578 χ^2/NDF: 5507168.6/51

asym_usl_atl2_avg_mean vs Slug



Right In: 2756.337+/-1156.322 χ^2/NDF: 25.7/24

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3328.580+/-1125.775 χ^2/NDF: 36.0/28

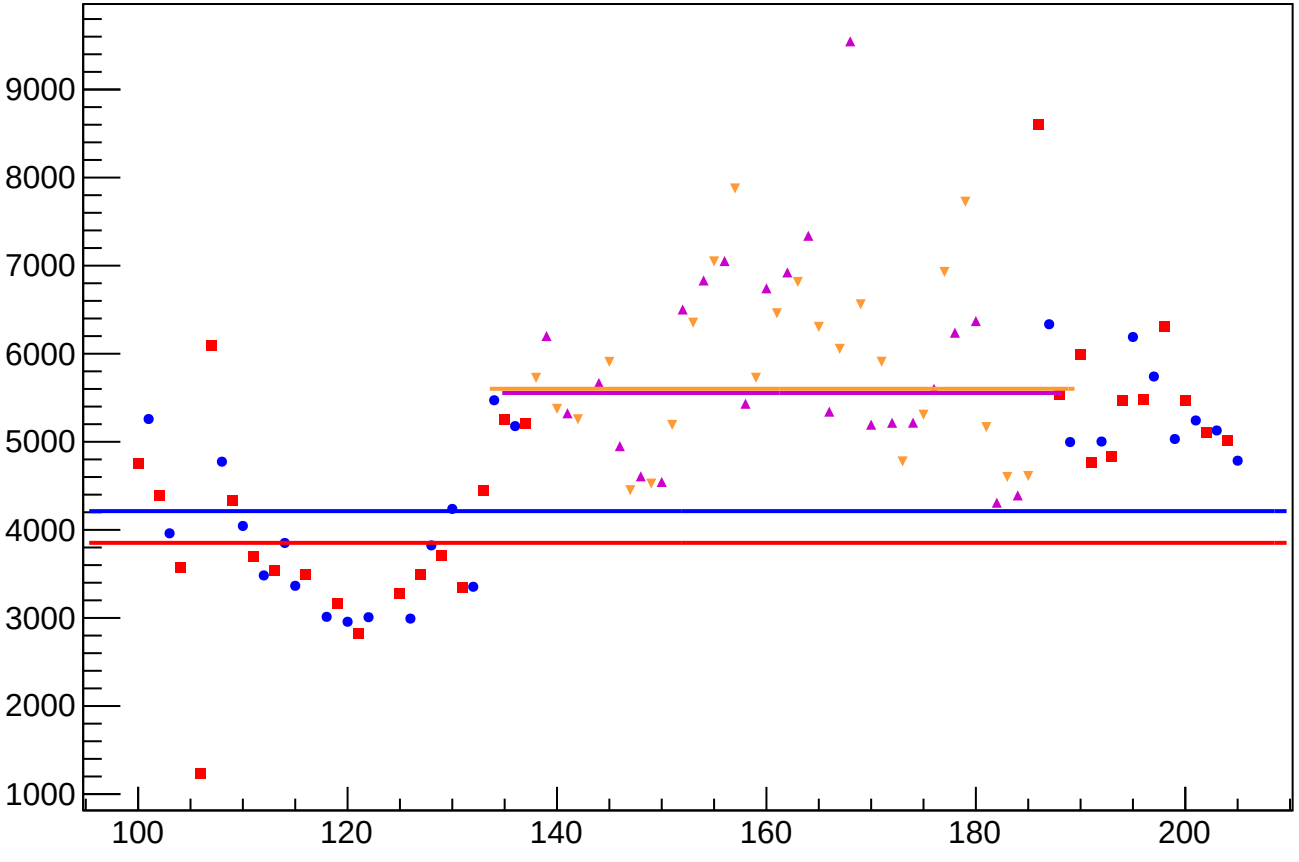
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2488.929+/-871.041 χ^2/NDF: 56.5/48

All: -275.048+/-610.842 χ^2/NDF: 125.5/100

- sign -2949.743+/-856.857 χ^2/NDF: 49.1/51

asym_usl_atl2_avg_rms vs Slug



Right In: 4212.707+/-0.818 χ^2/NDF: 1465818.7/24

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

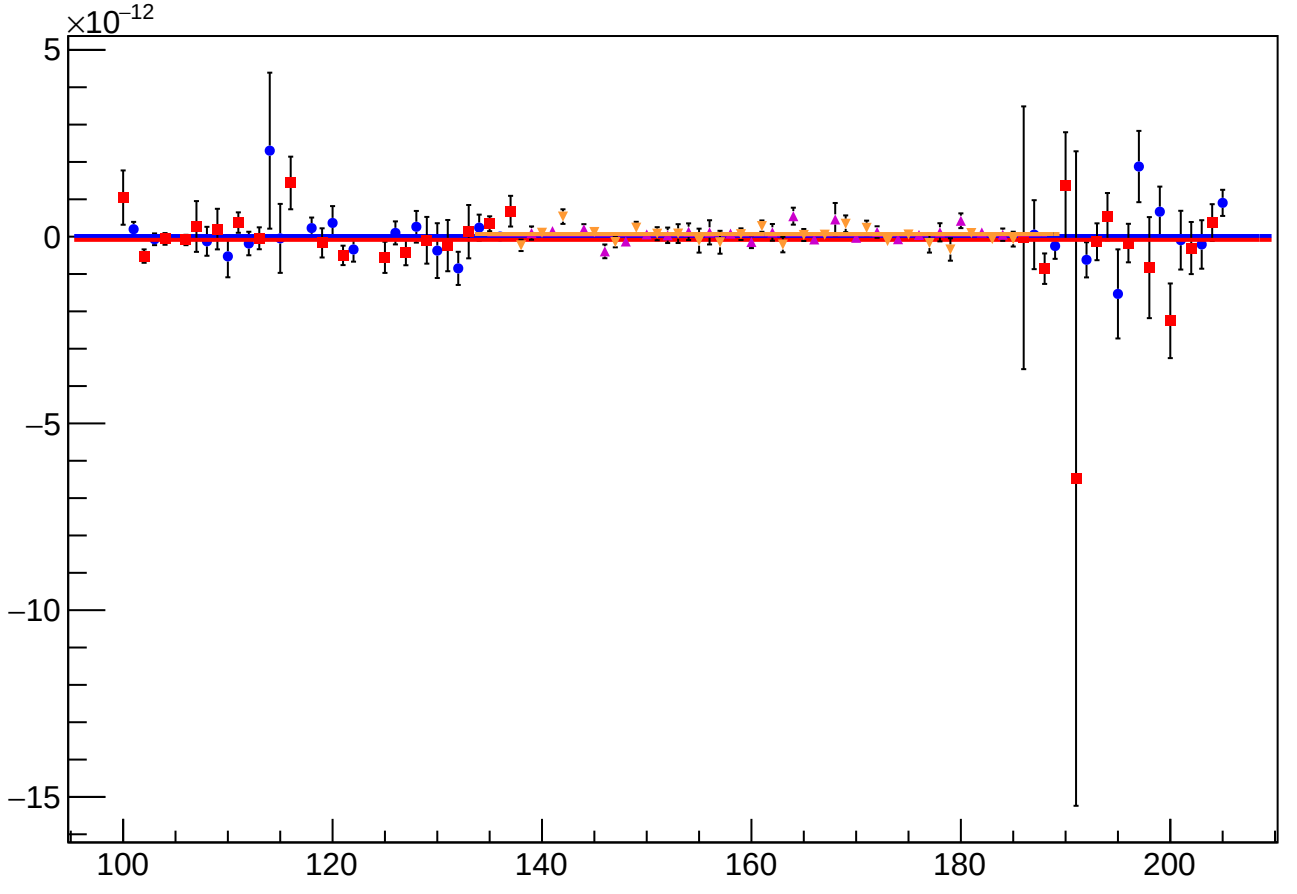
Right Out: 3852.814+/-0.750 χ^2/NDF: 3660174.8/28

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4813.774+/-0.616 χ^2/NDF: 3655590.7/48

All: 4658.913+/-0.424 χ^2/NDF: 10565366.2/1

- sign 4519.346+/-0.585 χ^2/NDF: 6789582.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.7/28

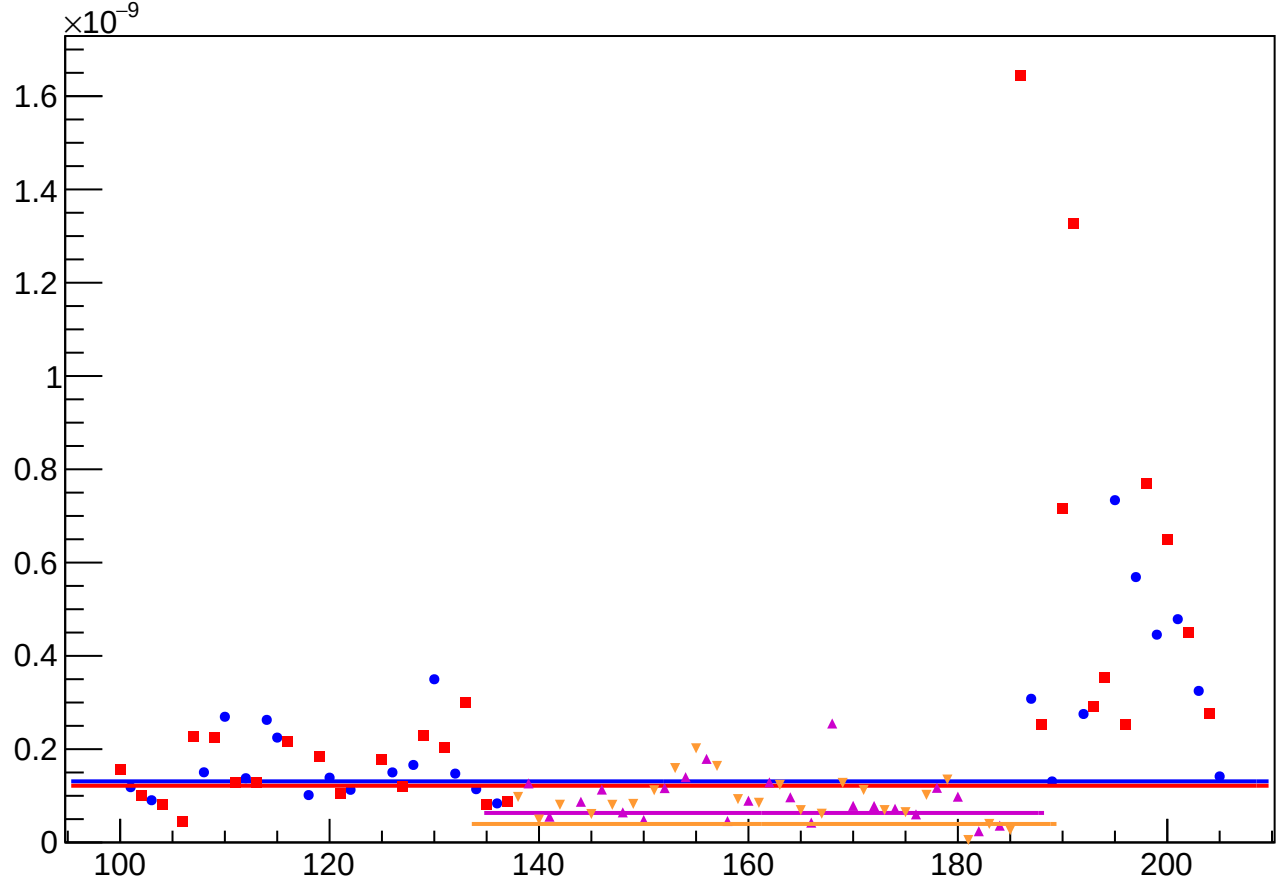
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.5/48

All: 0.000+/-0.000 χ^2/NDF: 127.8/100

- sign 0.000+/-0.000 χ^2/NDF: 71.2/51

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2984177.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

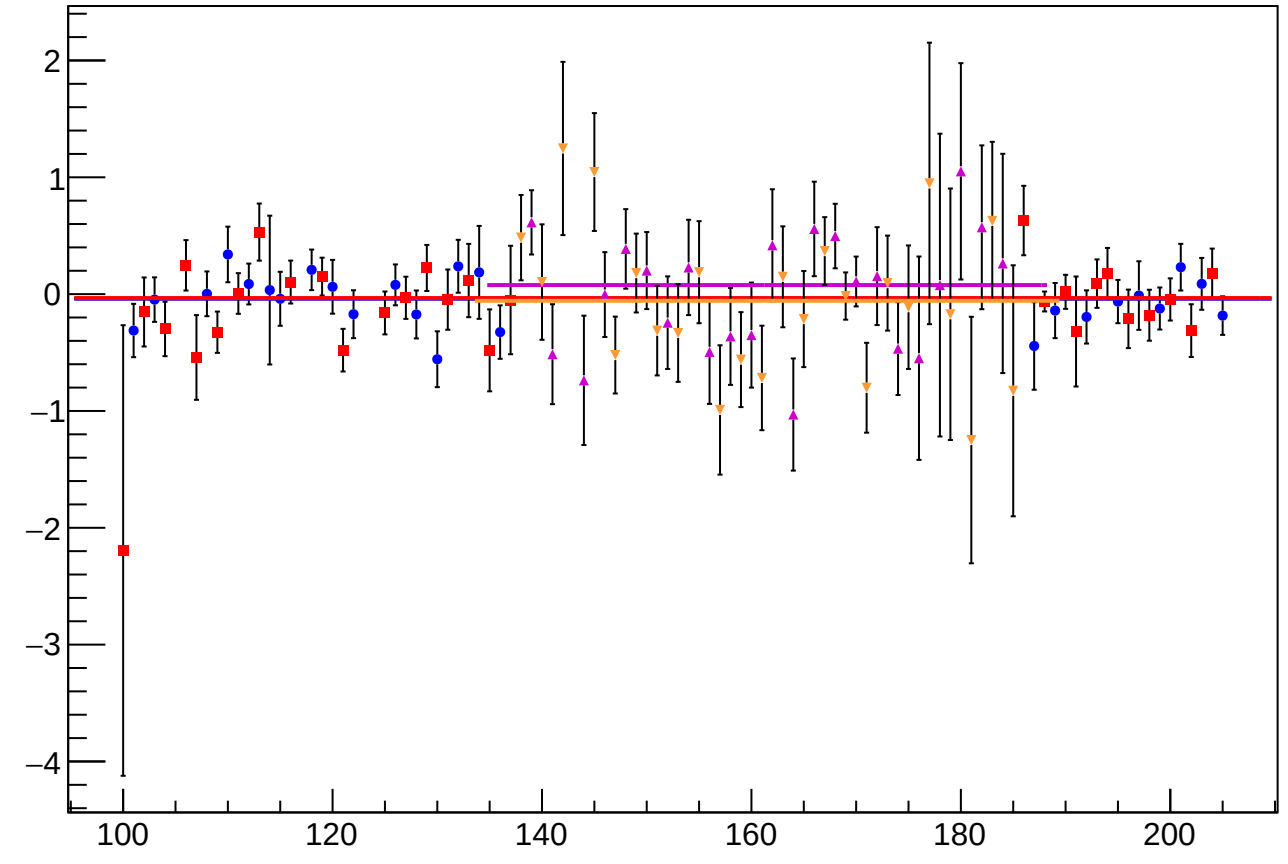
Right Out: 0.000+/-0.000 χ^2/NDF: 4594607.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13417098.8/48

All: 0.000+/-0.000 χ^2/NDF: 23453739.6/100

- sign 0.000+/-0.000 χ^2/NDF: 8971659.7/51



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

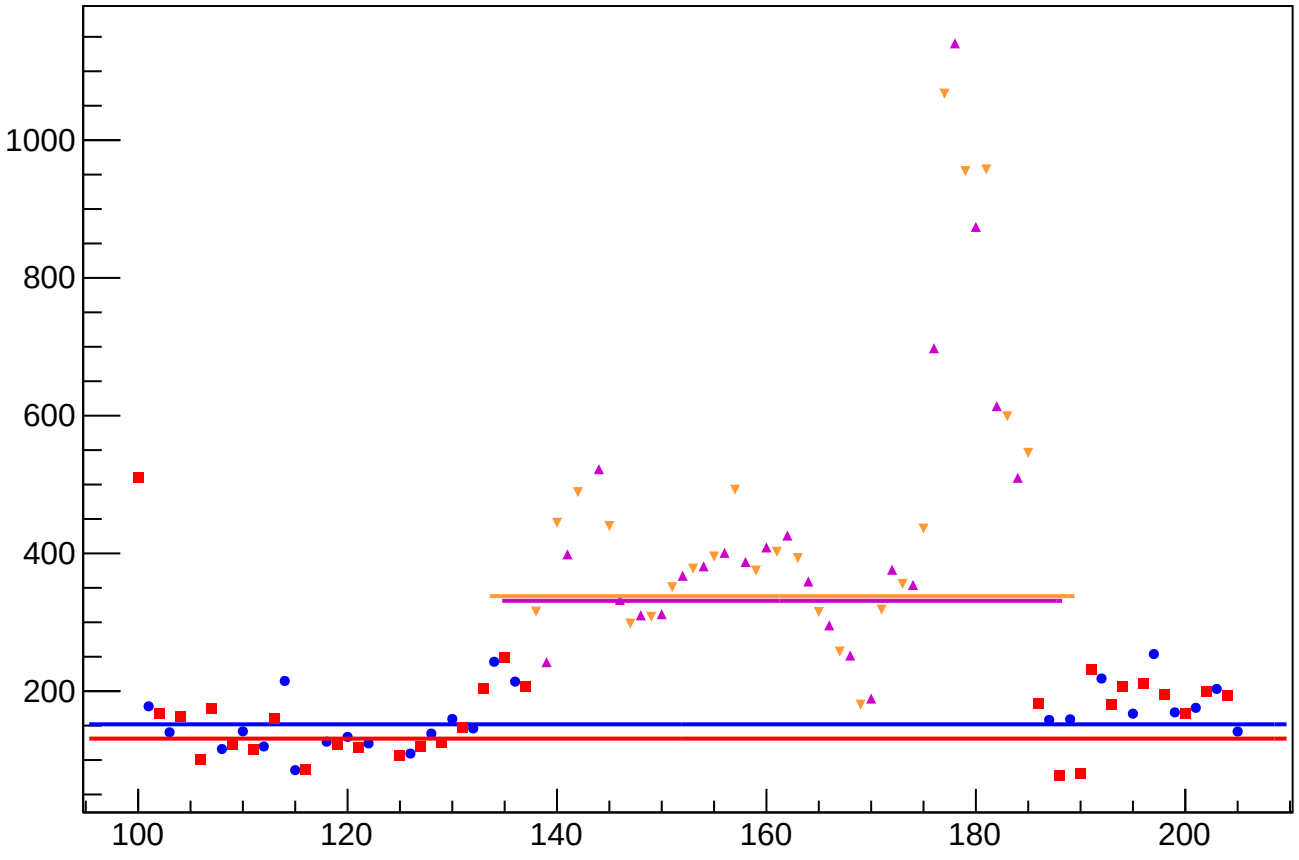
Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.027+/-0.026 χ^2/NDF: 117.1/100

- sign -0.015+/-0.034 χ^2/NDF: 65.2/51



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

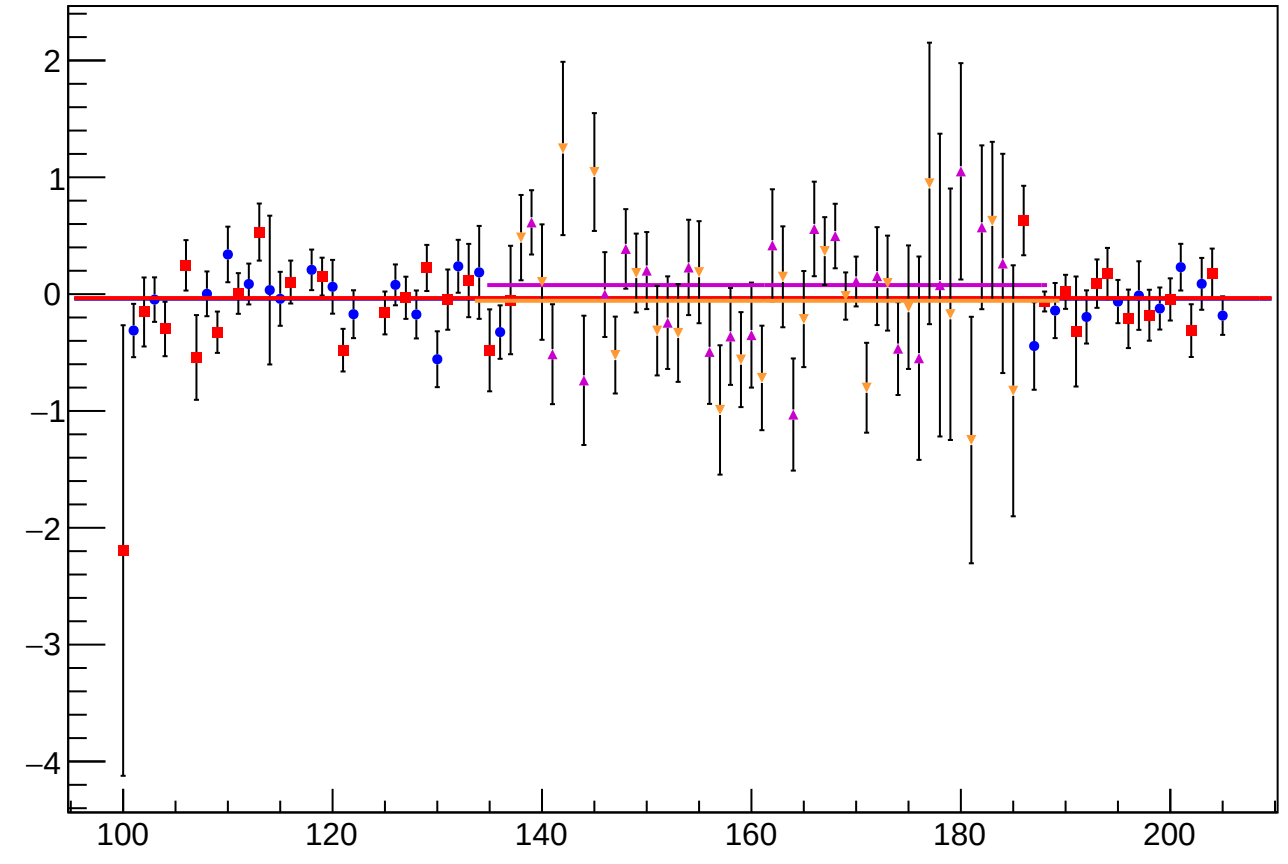
Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501829.8/48

All: 175.525+/-0.018 χ^2/NDF: 30867269.7/10

- sign 164.498+/-0.024 χ^2/NDF: 16889131.9/51



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

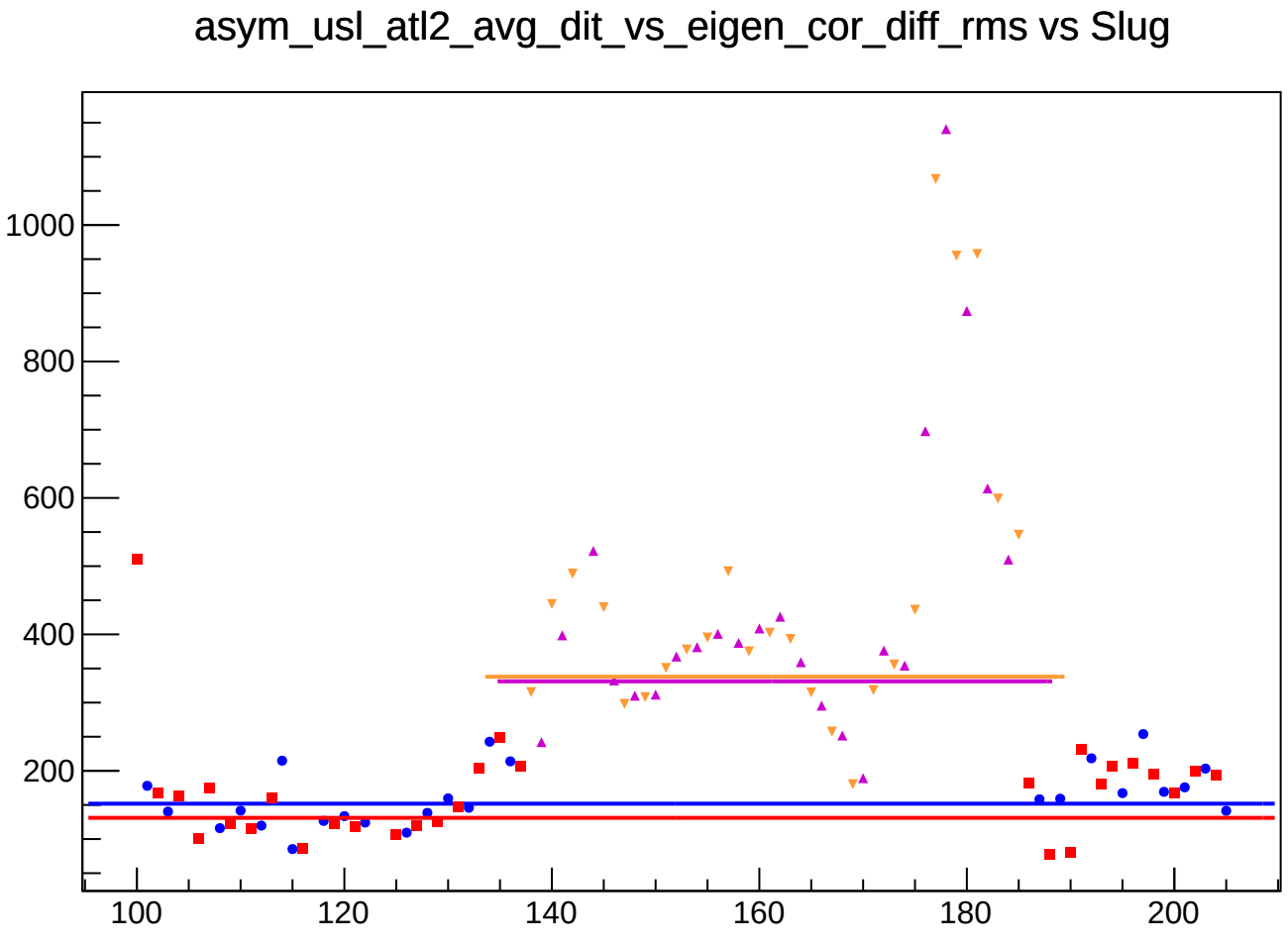
Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.027+/-0.026 χ^2/NDF: 117.1/100

- sign -0.015+/-0.034 χ^2/NDF: 65.2/51



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

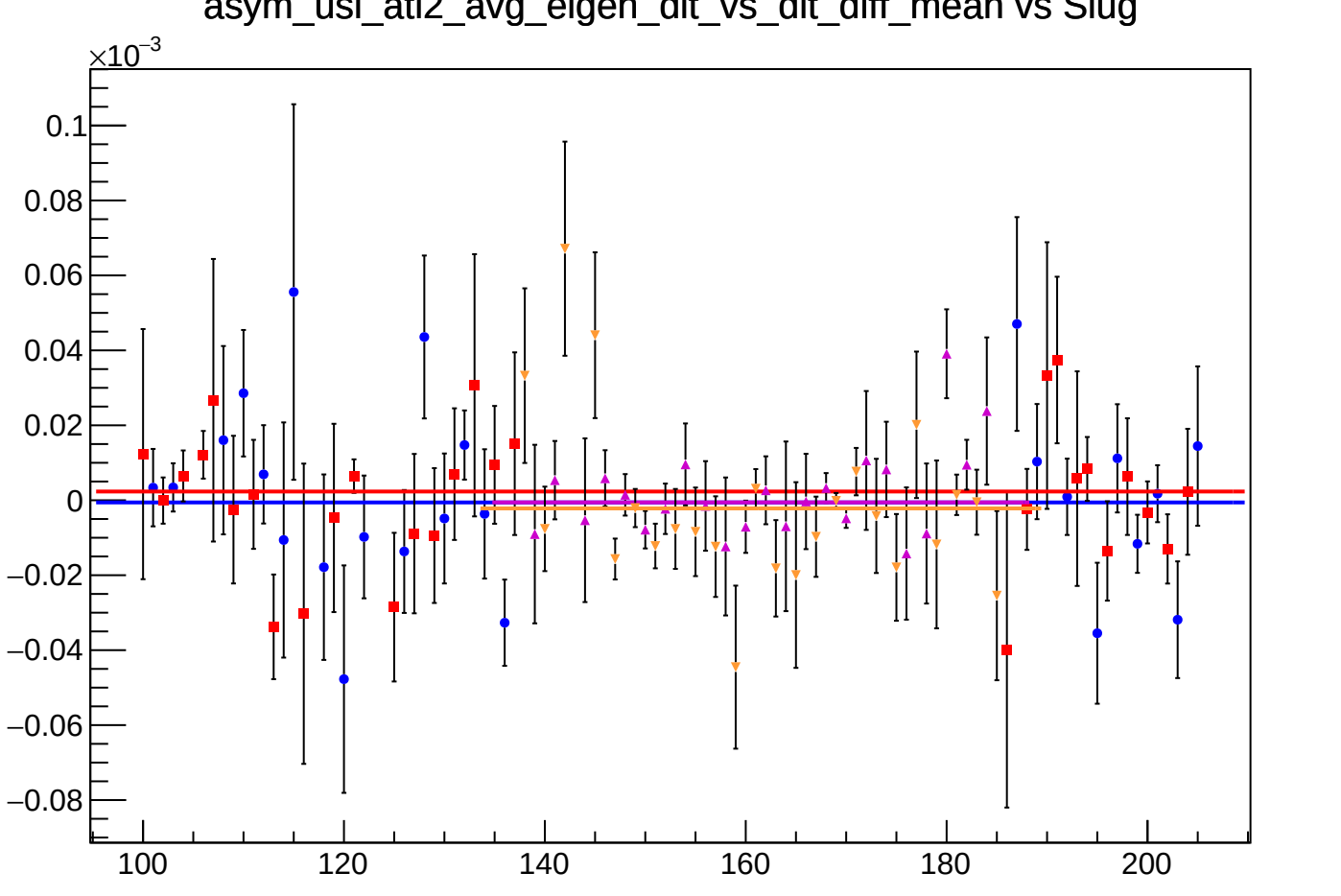
Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

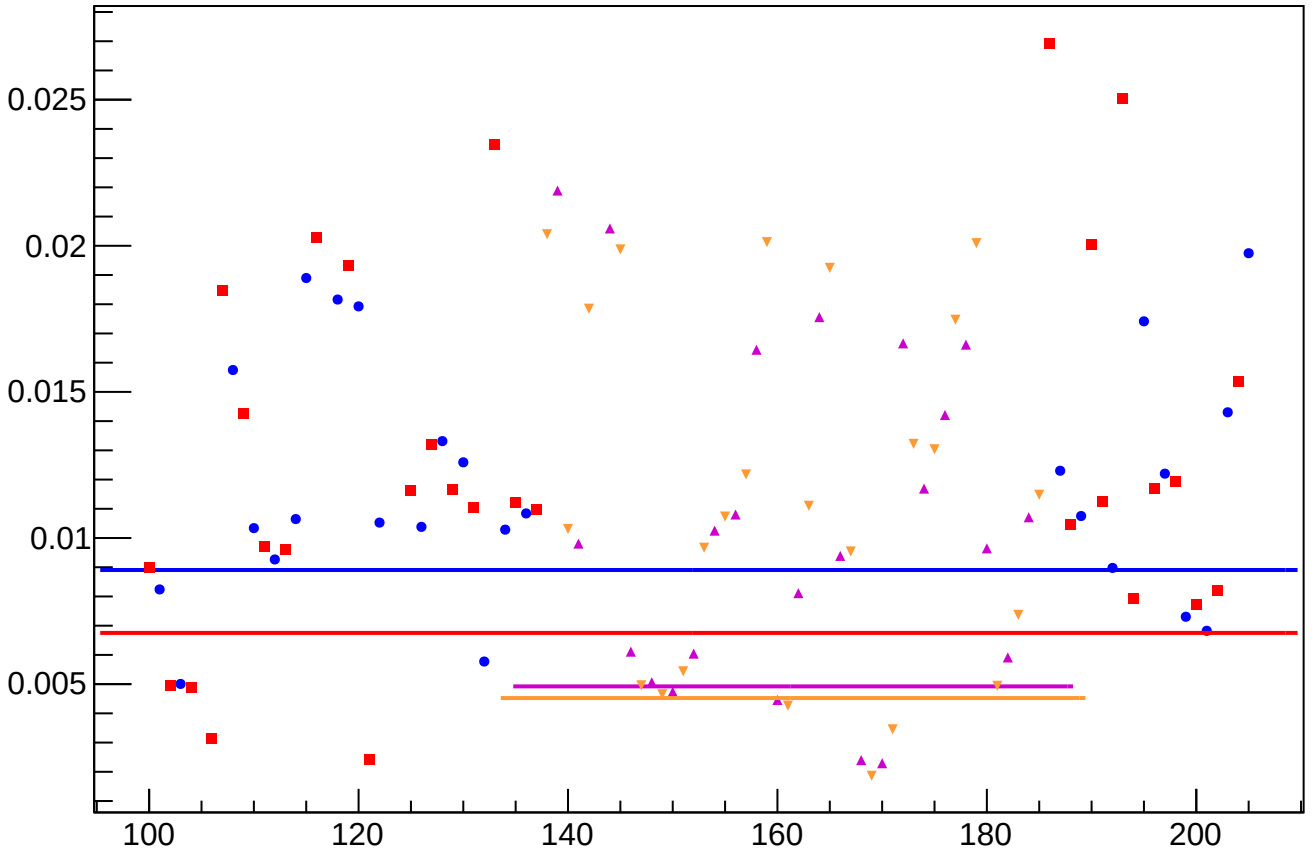
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501829.8/48

All: 175.525+/-0.018 χ^2/NDF: 30867269.7/10

- sign 164.498+/-0.024 χ^2/NDF: 16889131.9/51


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 38.3/24
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.7/28
Left In: -0.000+/-0.000 χ²/NDF:26.2/22
+ sign -0.000+/-0.000 χ²/NDF: 76.5/48
All: -0.000+/-0.000 χ²/NDF: 131.4/100
- sign 0.000+/-0.000 χ²/NDF: 53.2/51



Right In: 0.009+/-0.000 χ^2/NDF: 3523003.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

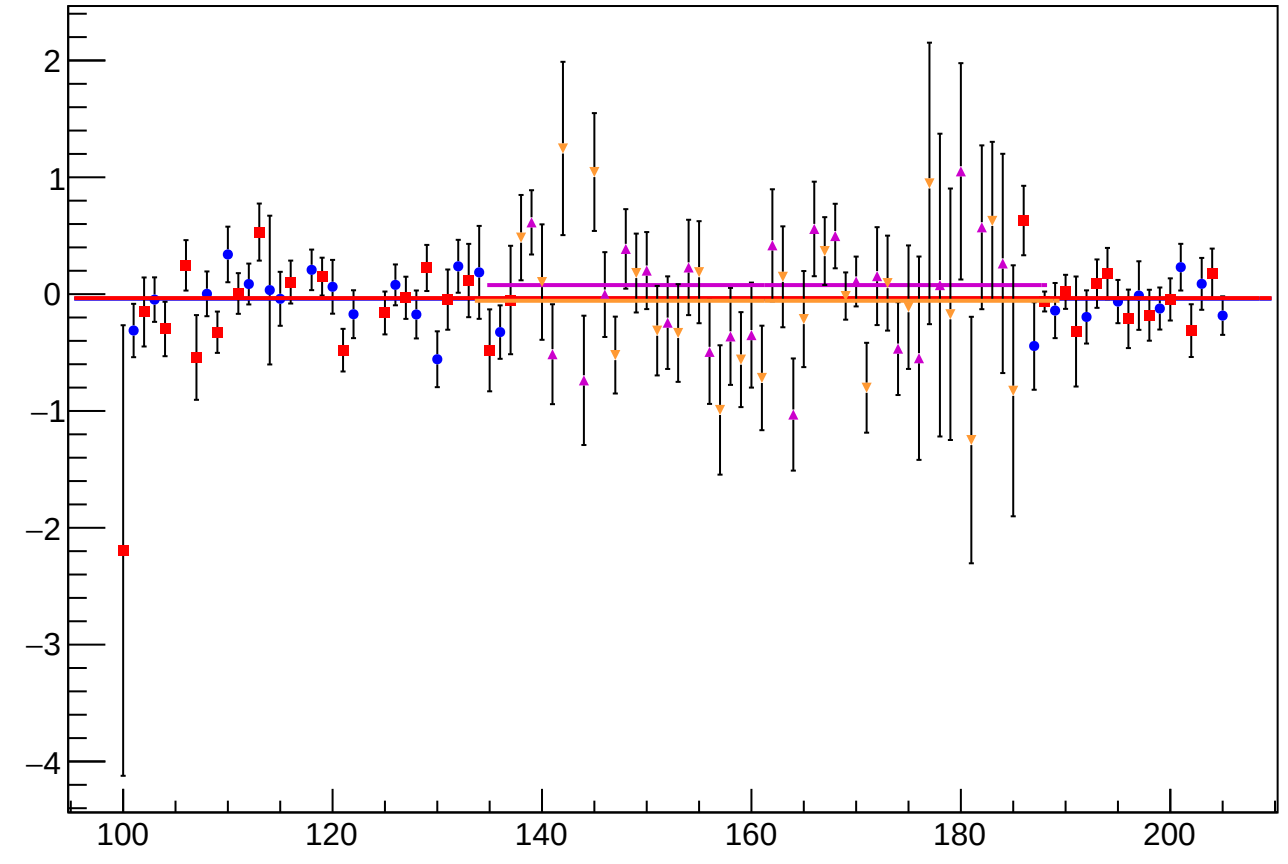
Right Out: 0.007+/-0.000 χ^2/NDF: 8496788.5/28

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.006+/-0.000 χ^2/NDF: 22146343.2/48

All: 0.006+/-0.000 χ^2/NDF: 43269478.0/100

- sign 0.006+/-0.000 χ^2/NDF: 21122694.5/51



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

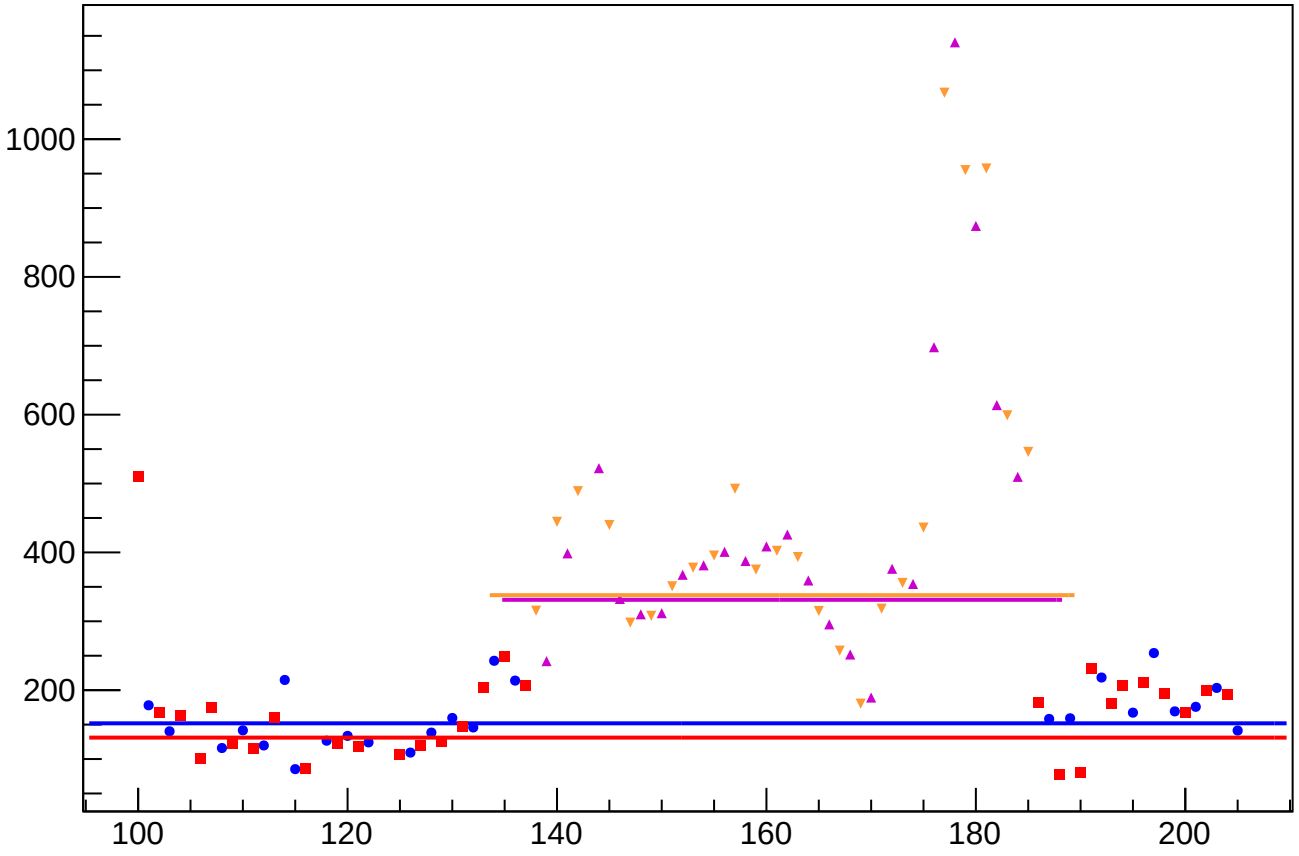
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.027+/-0.026 χ^2/NDF: 117.1/100

- sign -0.015+/-0.034 χ^2/NDF: 65.2/51

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

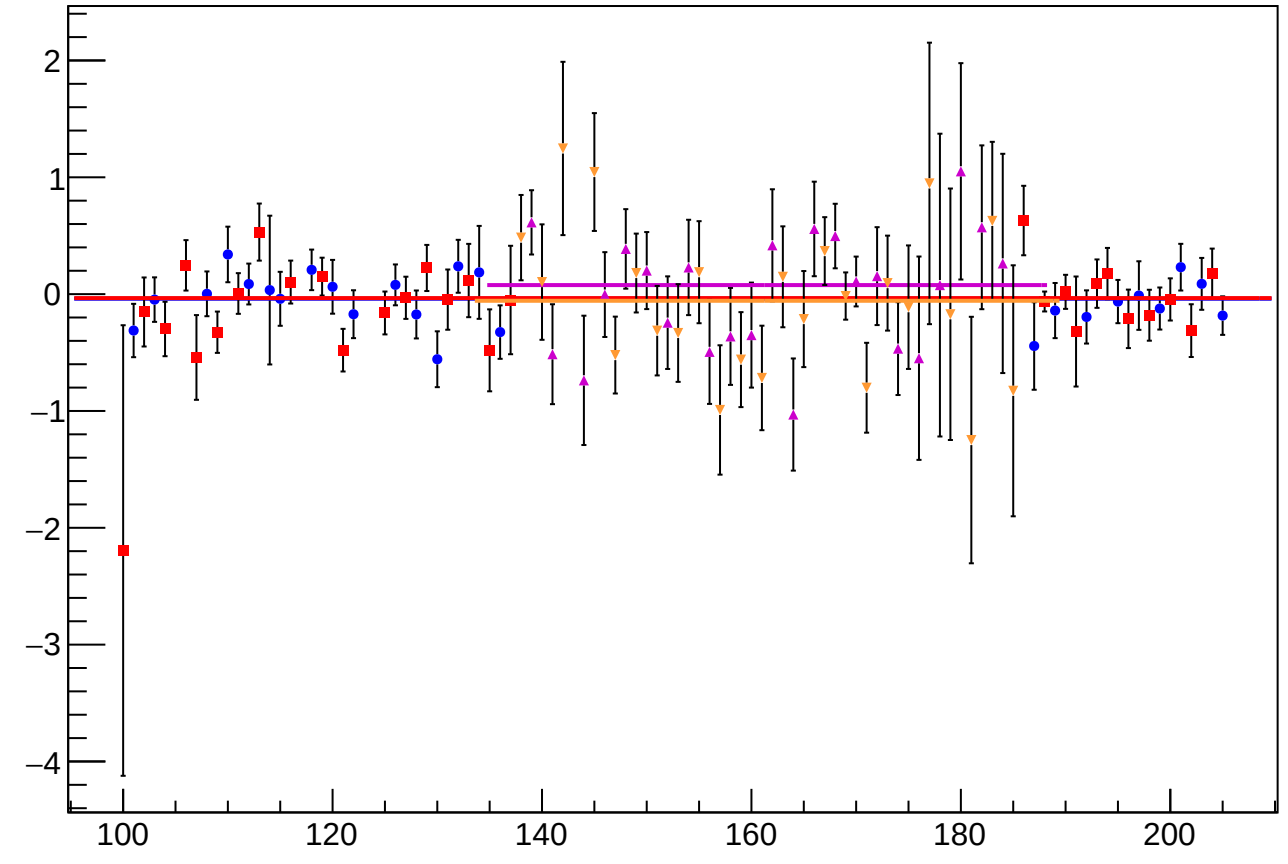
Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501956.1/48

All: 175.524+/-0.018 χ^2/NDF: 30867968.3/10

- sign 164.496+/-0.024 χ^2/NDF: 16889630.4/51



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

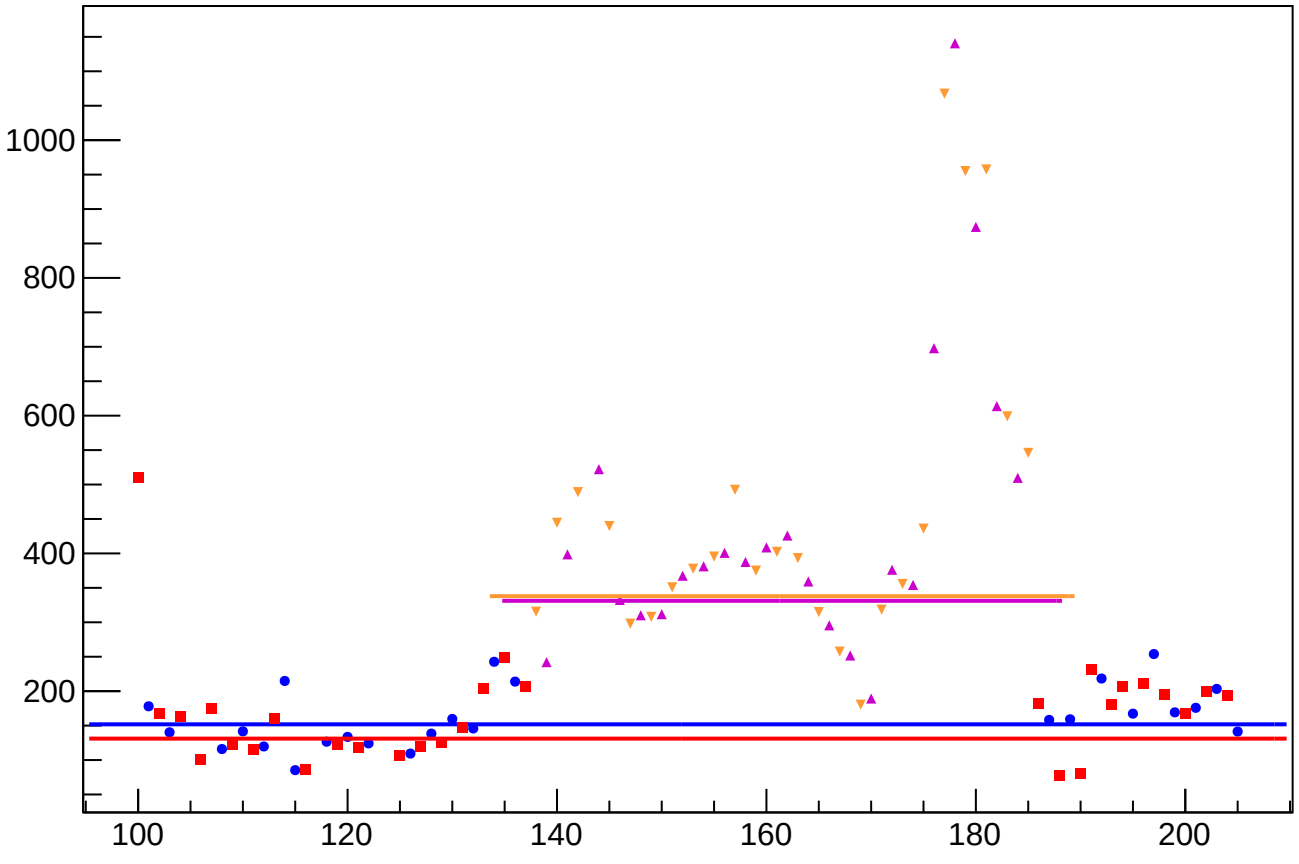
Right Out: -0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.027+/-0.026 χ^2/NDF: 117.1/100

- sign -0.015+/-0.034 χ^2/NDF: 65.2/51



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

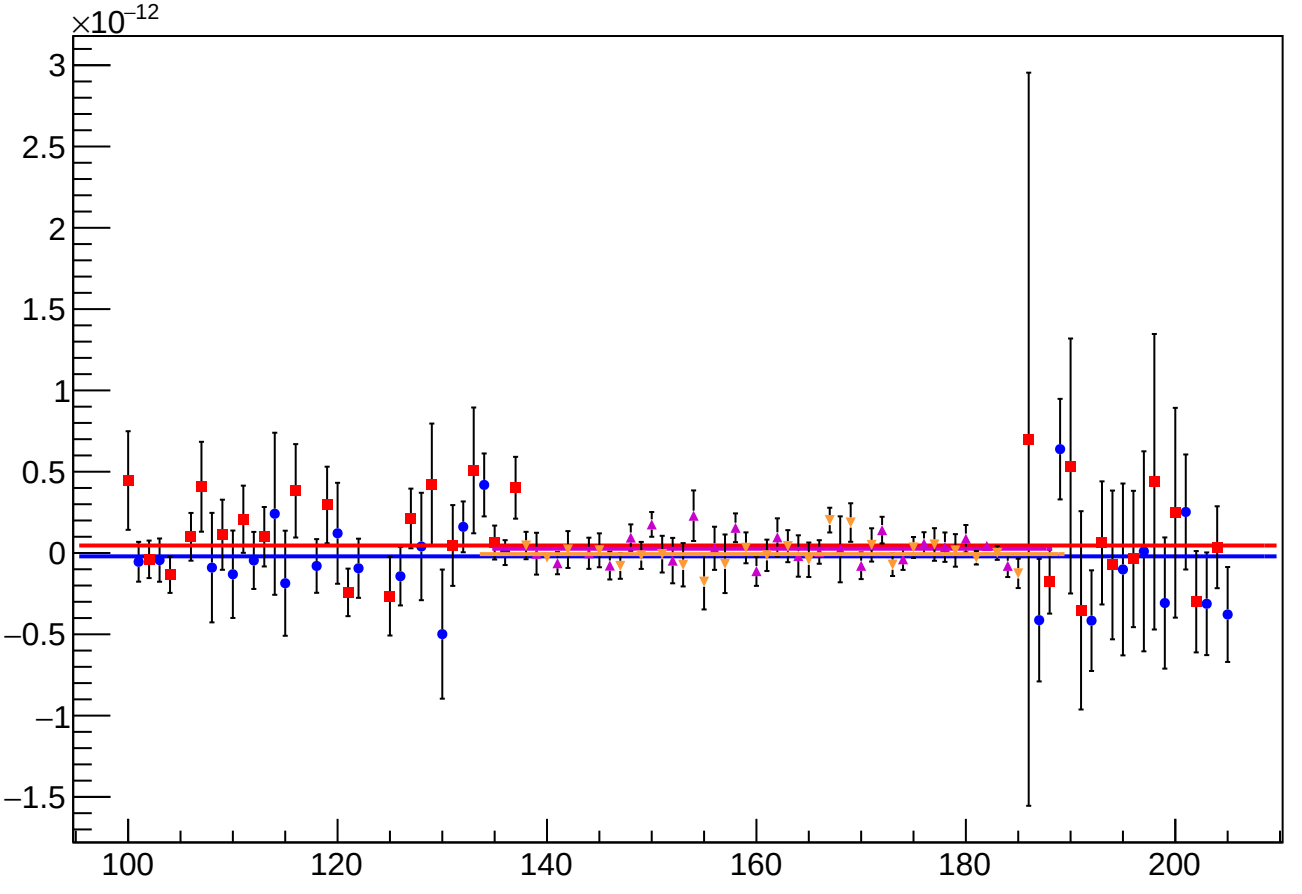
Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501956.1/48

All: 175.524+/-0.018 χ^2/NDF: 30867968.3/10

- sign 164.496+/-0.024 χ^2/NDF: 16889630.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

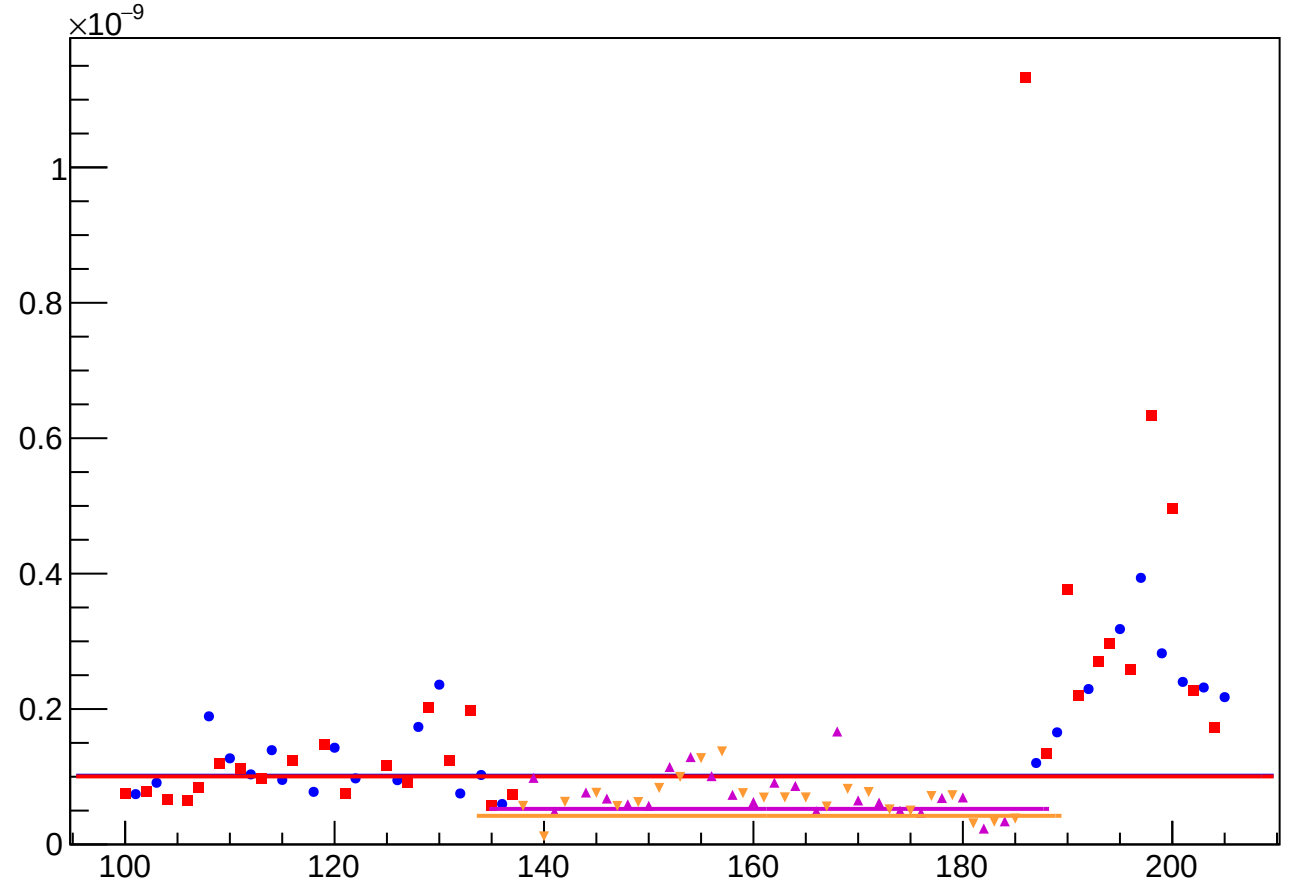
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/28

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/48

All: 0.000+/-0.000 χ^2/NDF: 91.5/100

- sign 0.000+/-0.000 χ^2/NDF: 49.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 3921856.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

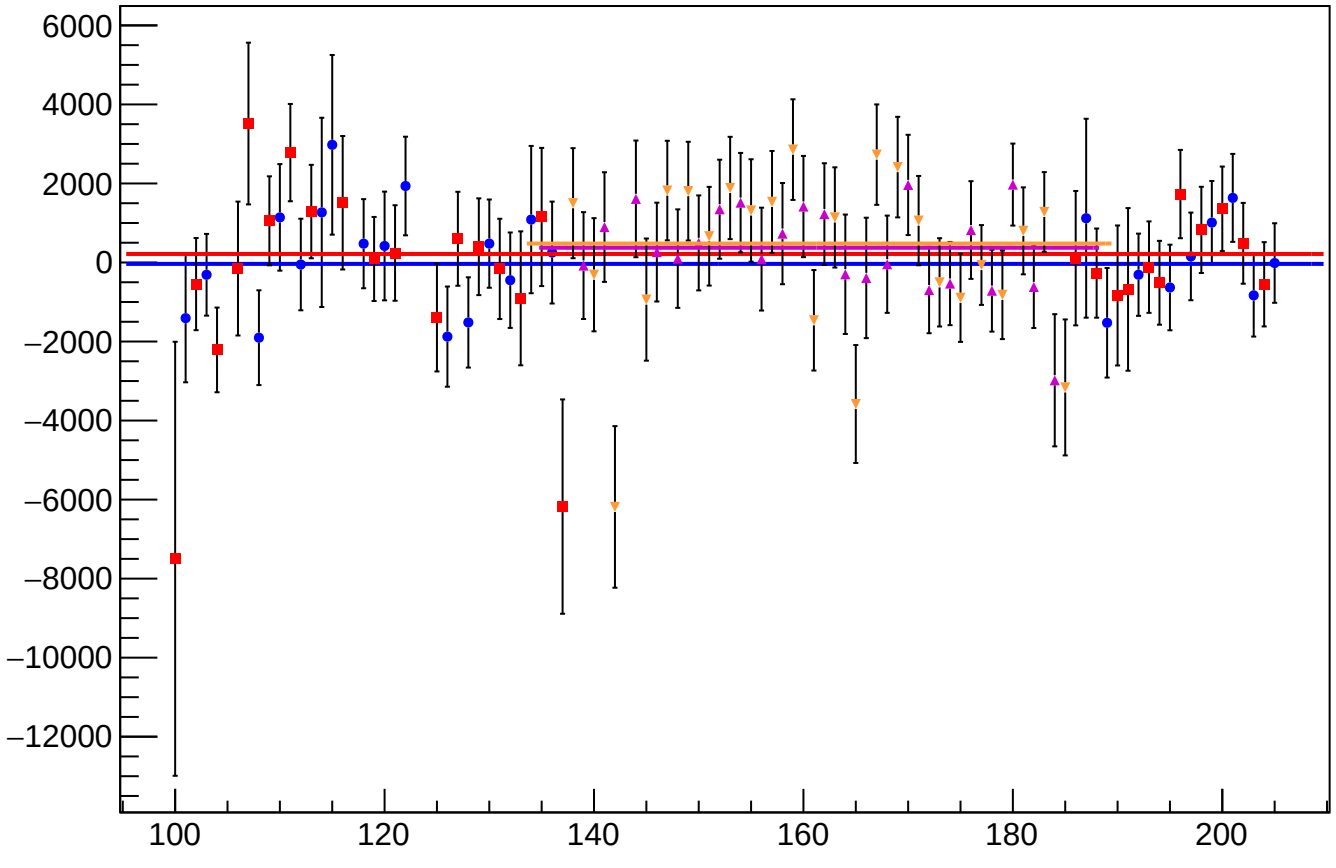
Right Out: 0.000+/-0.000 χ^2/NDF: 5042464.7/28

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14487667.3/48

All: 0.000+/-0.000 χ^2/NDF: 27531843.2/100

- sign 0.000+/-0.000 χ^2/NDF: 12503838.6/51



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 215.819+/-240.238 χ^2/NDF: 29.6/28

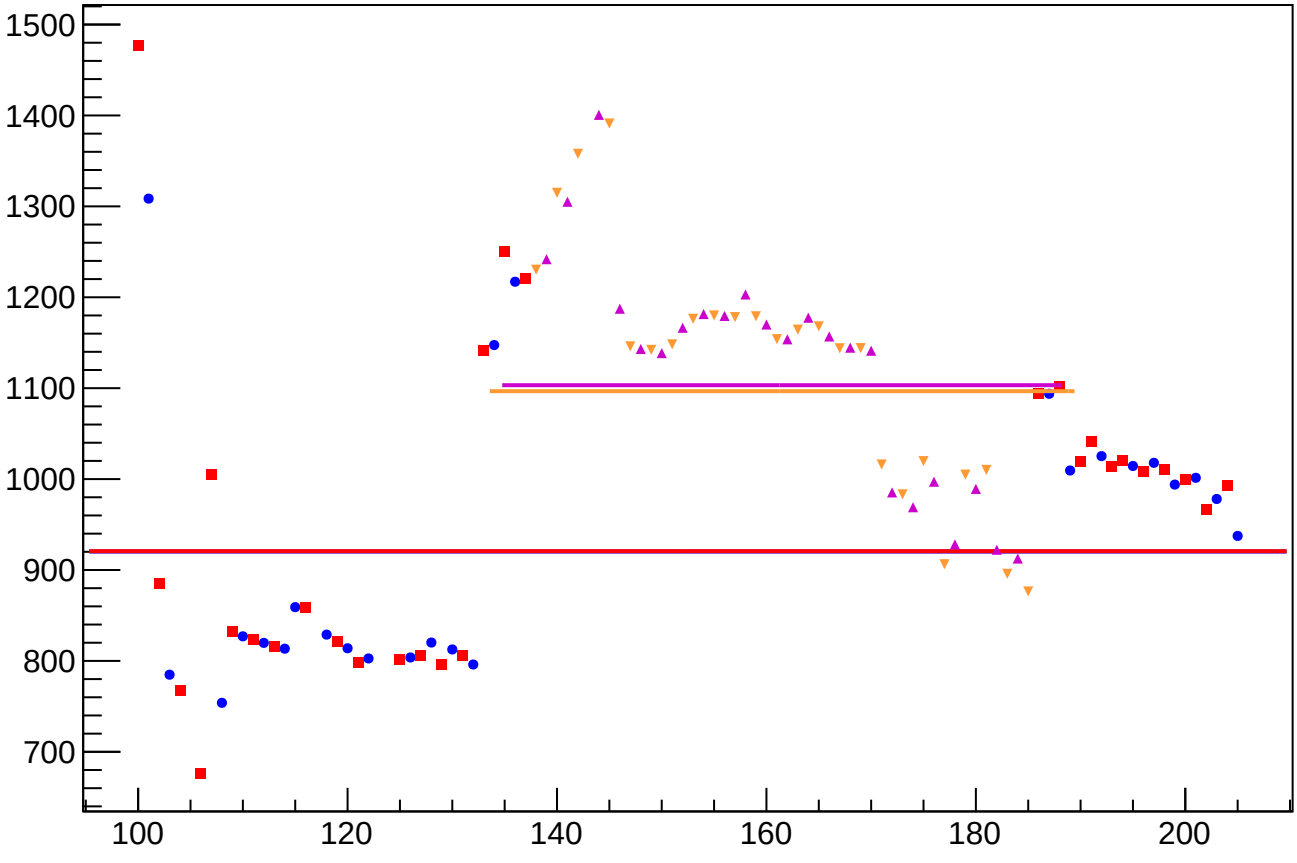
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 213.363+/-178.175 χ^2/NDF: 66.2/48

All: 251.284+/-125.296 χ^2/NDF: 112.1/100

\- sign 288.382+/-176.232 χ^2/NDF: 45.8/51

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 920.315+/-0.175 χ^2/NDF: 563668.8/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.684+/-0.169 χ^2/NDF: 585700.2/28

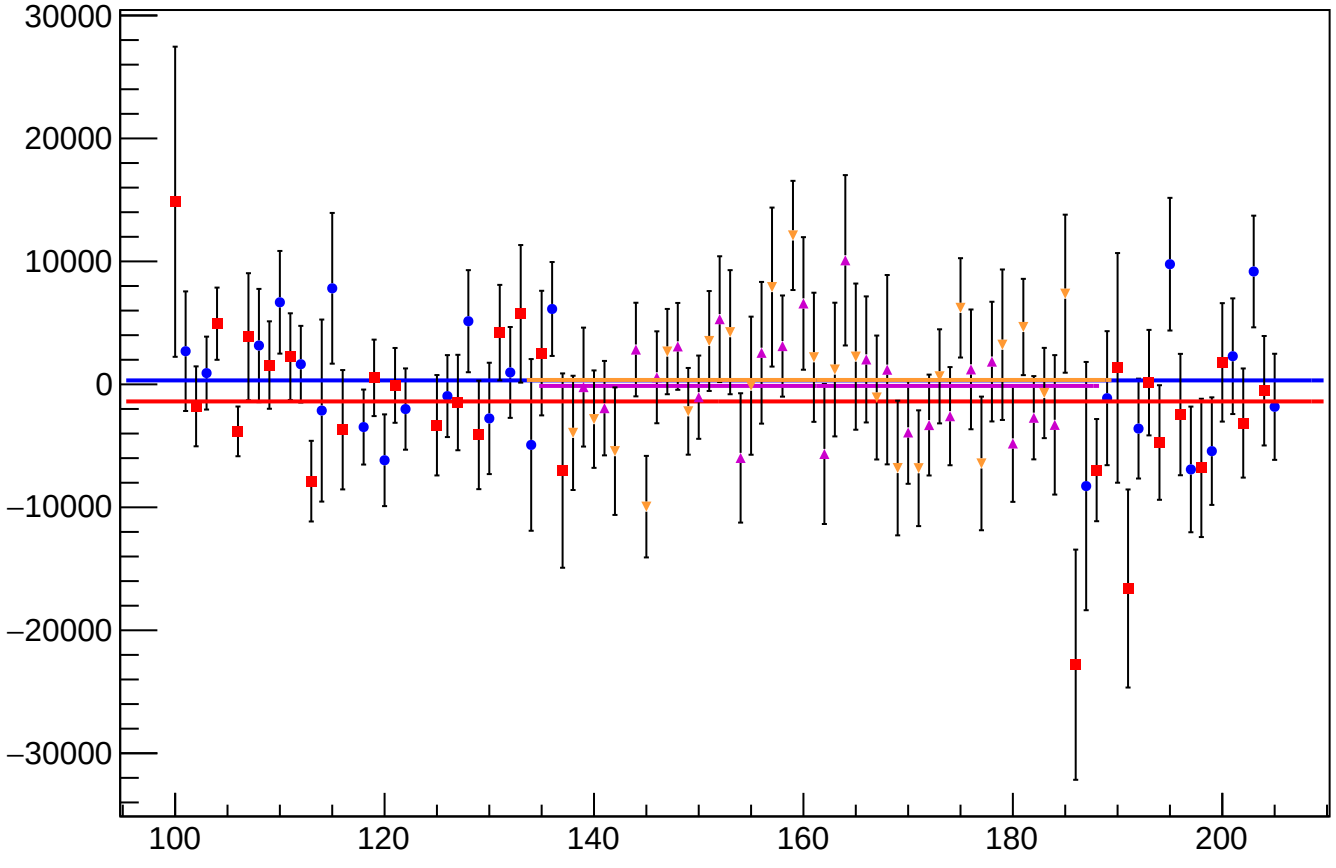
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1005.543+/-0.126 χ^2/NDF: 1533677.8/48

All: 1004.957+/-0.088 χ^2/NDF: 3104035.4/10

- sign 1004.388+/-0.124 χ^2/NDF: 1570314.9/51

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 321.800+/-840.677 χ^2/NDF: 27.5/24

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1387.926+/-755.879 χ^2/NDF: 33.6/28

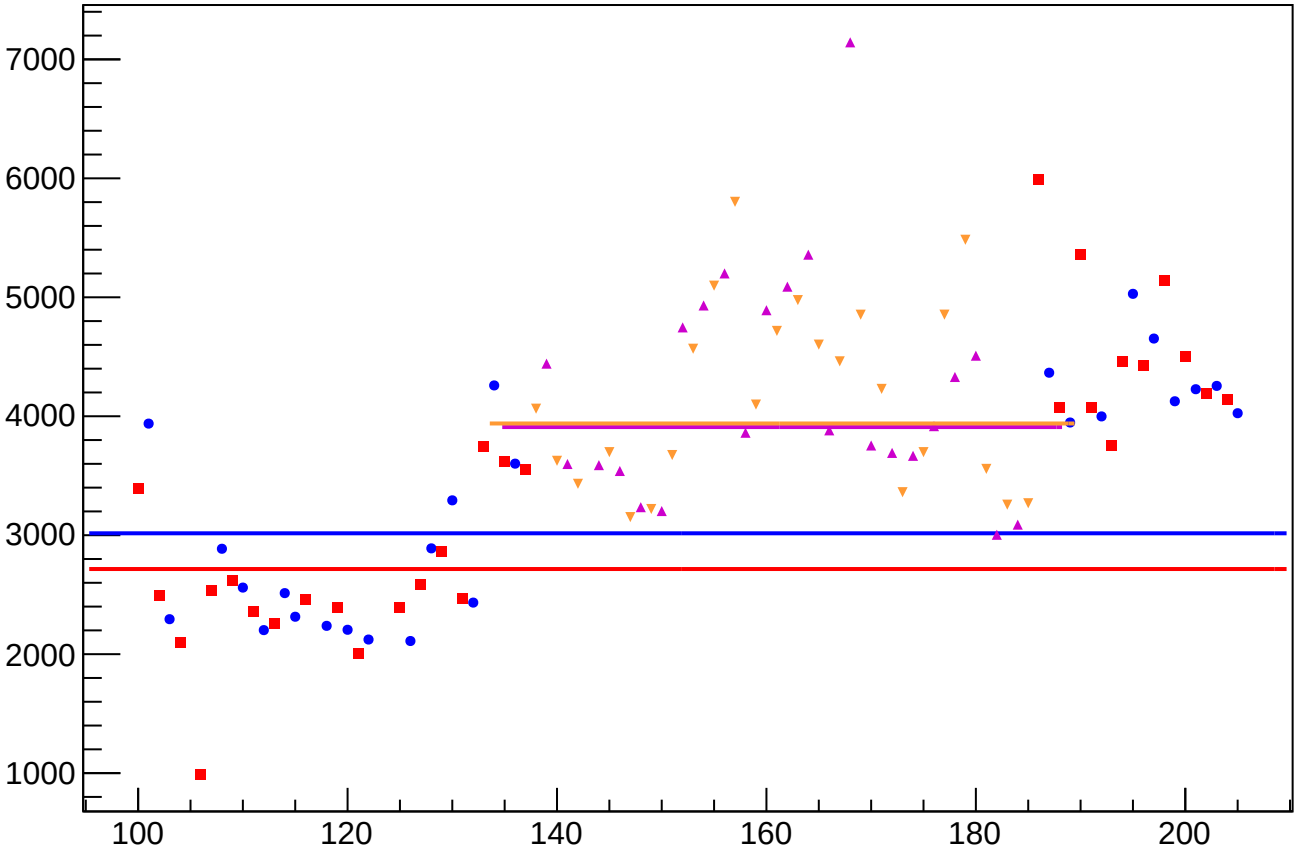
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 337.876+/-624.911 χ^2/NDF: 57.7/48

All: -313.085+/-427.936 χ^2/NDF: 108.2/100

- sign -887.914+/-587.232 χ^2/NDF: 48.5/51

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3016.101+/-0.594 χ^2/NDF: 2290411.3/24

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2715.803+/-0.534 χ^2/NDF: 4327956.0/28

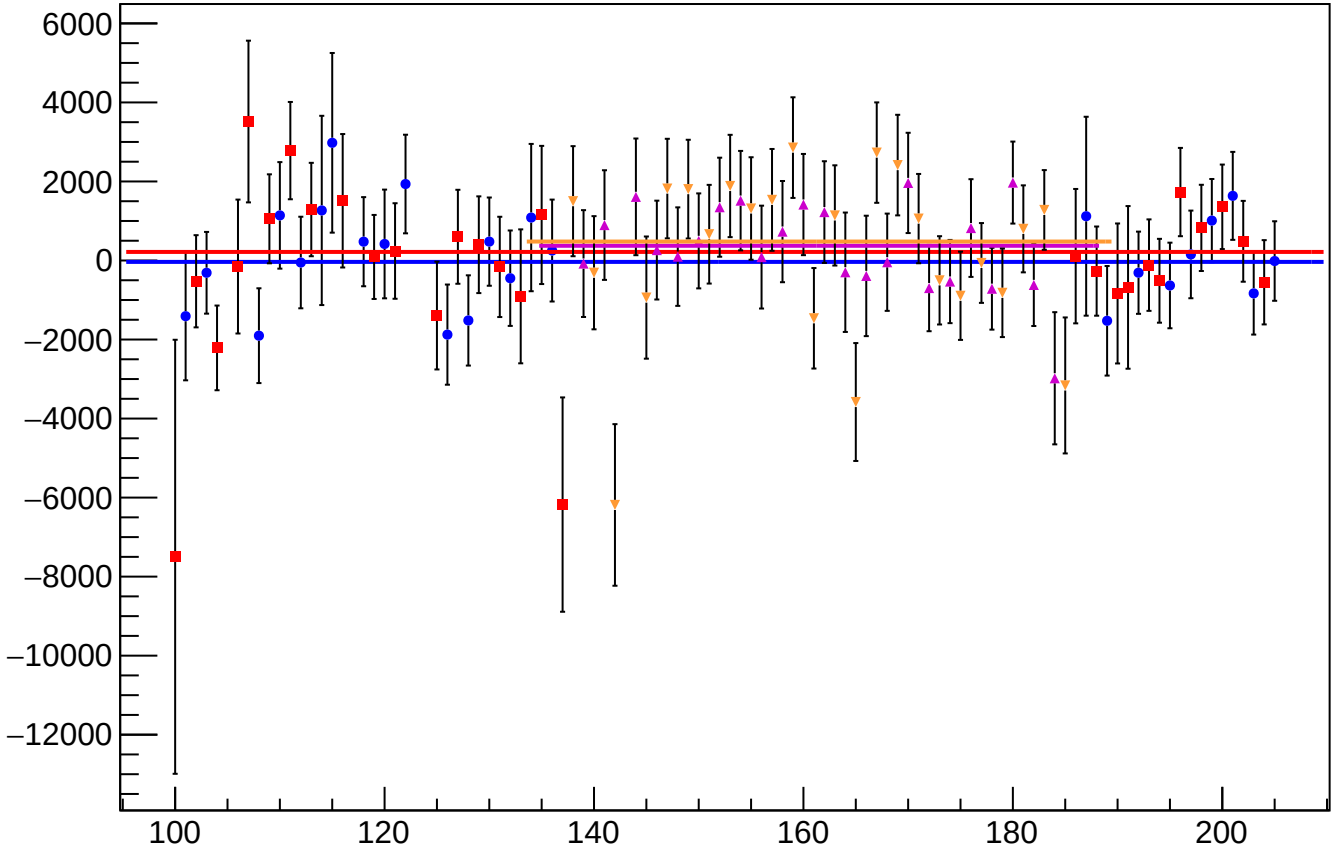
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3429.162+/-0.442 χ^2/NDF: 4462182.4/48

All: 3301.568+/-0.303 χ^2/NDF: 12224126.9/1

- sign 3188.897+/-0.415 χ^2/NDF: 7604938.7/51

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 216.750+/-240.240 χ^2/NDF: 29.5/28

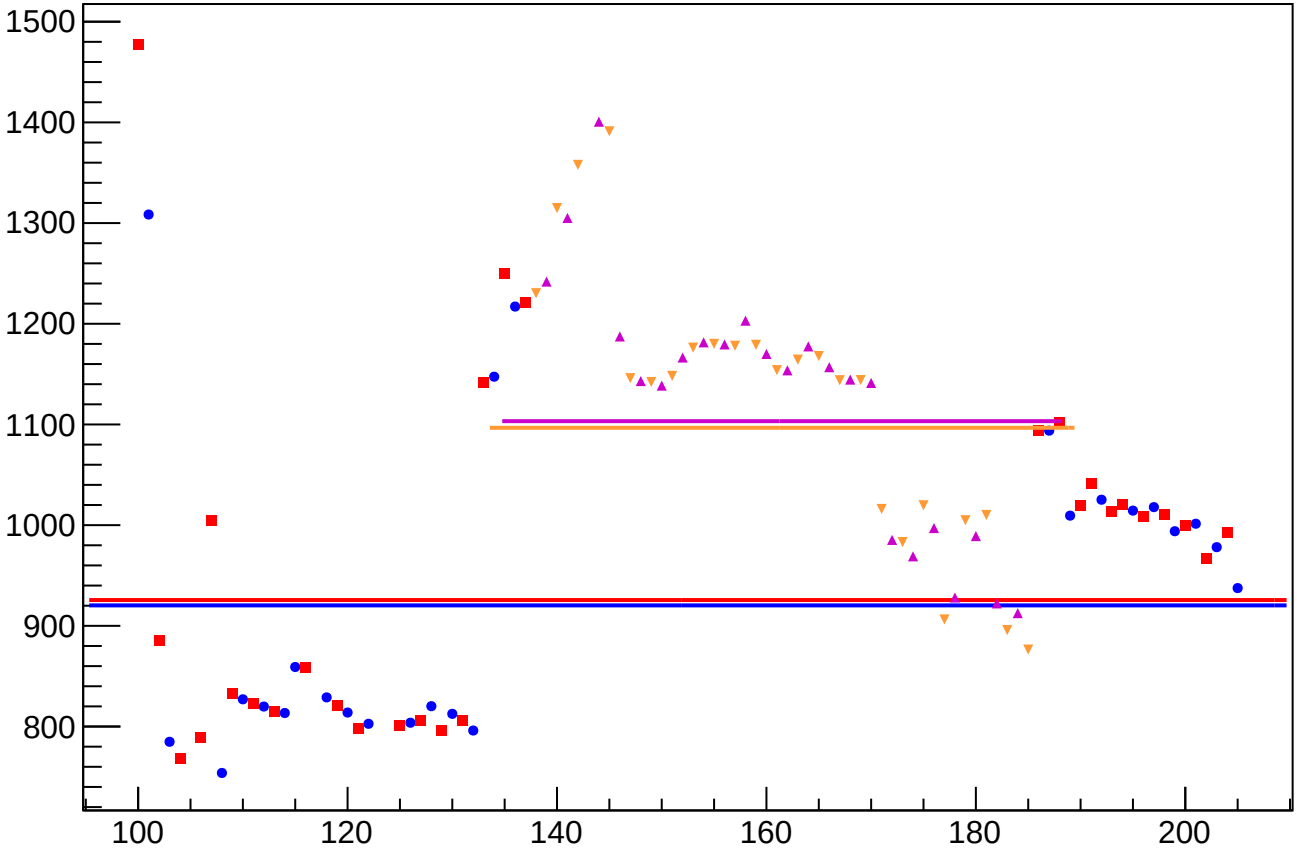
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 213.377+/-178.175 χ^2/NDF: 66.2/48

All: 251.538+/-125.296 χ^2/NDF: 112.1/100

\- sign 288.872+/-176.233 χ^2/NDF: 45.8/51

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

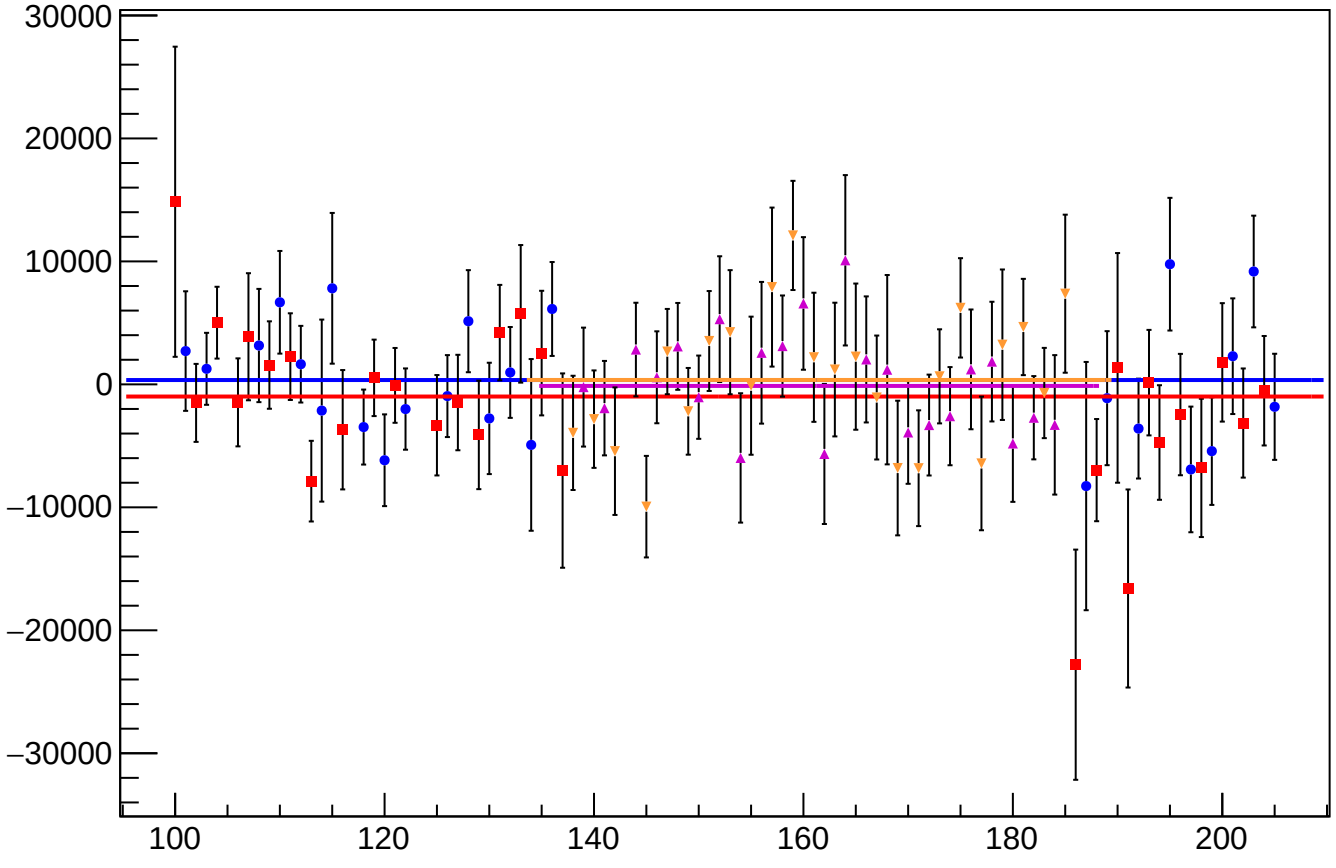
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1005.543+/-0.126 χ^2/NDF: 1533677.9/48

All: 1006.493+/-0.089 χ^2/NDF: 3017261.6/10

- sign 1007.420+/-0.124 χ^2/NDF: 1483471.4/51

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -989.378+/-793.126 χ^2/NDF: 32.1/28

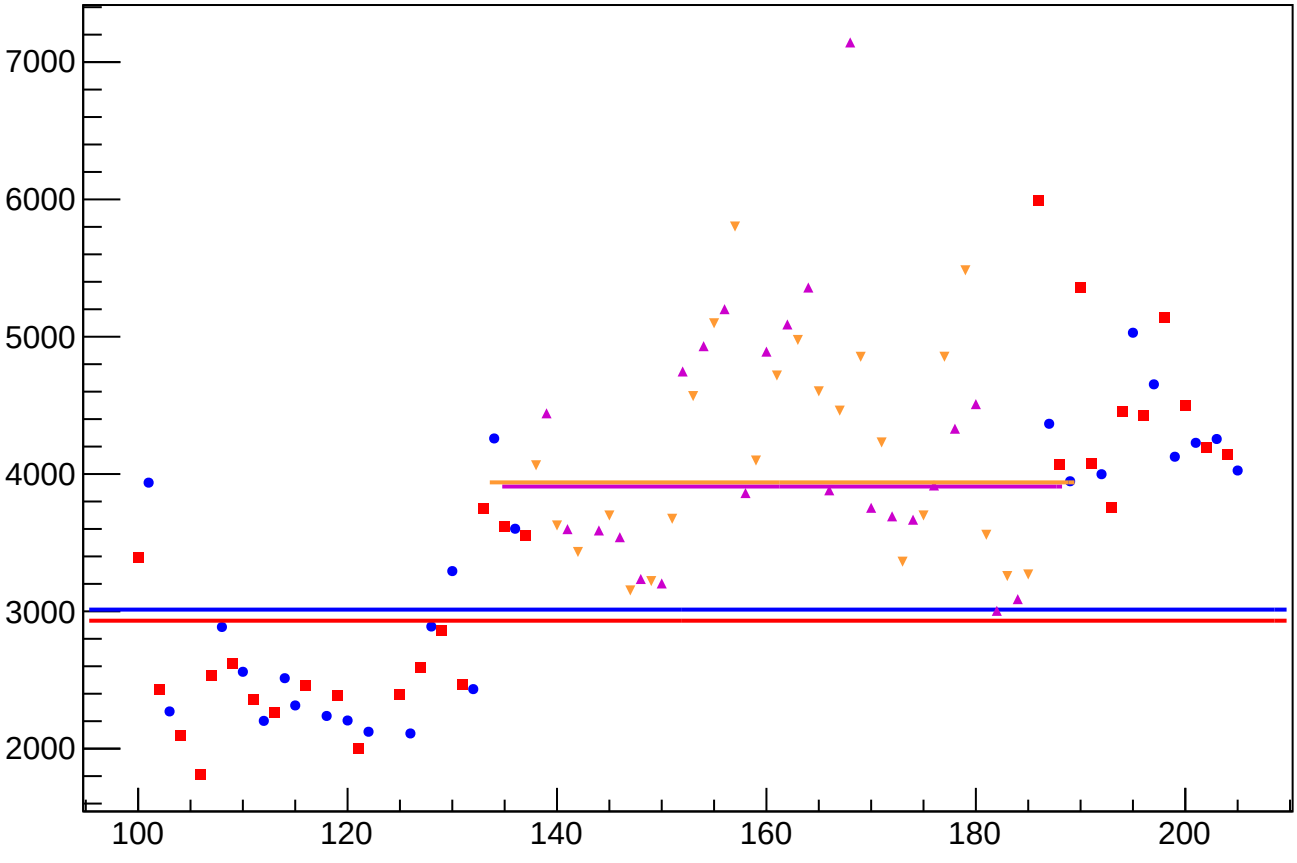
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 354.560+/-624.540 χ^2/NDF: 57.8/48

All: -152.625+/-434.244 χ^2/NDF: 105.4/100

- sign -627.301+/-604.193 χ^2/NDF: 46.3/51

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

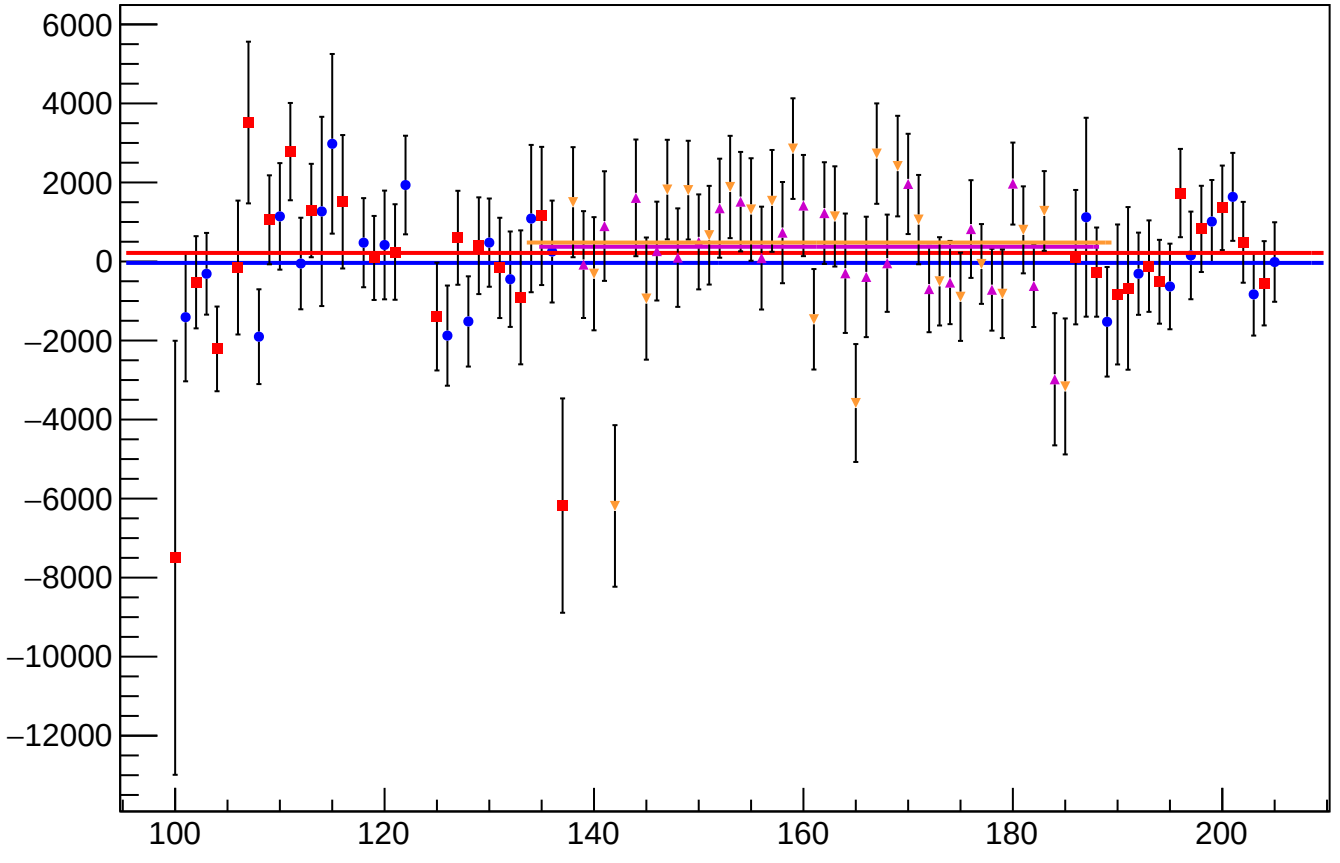
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

\+ sign 3426.762+/-0.442 χ^2/NDF: 4482239.0/48

All: 3382.974+/-0.307 χ^2/NDF: 9931755.9/10

\- sign 3341.992+/-0.427 χ^2/NDF: 5430483.6/51

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 216.750+/-240.240 χ^2/NDF: 29.5/28

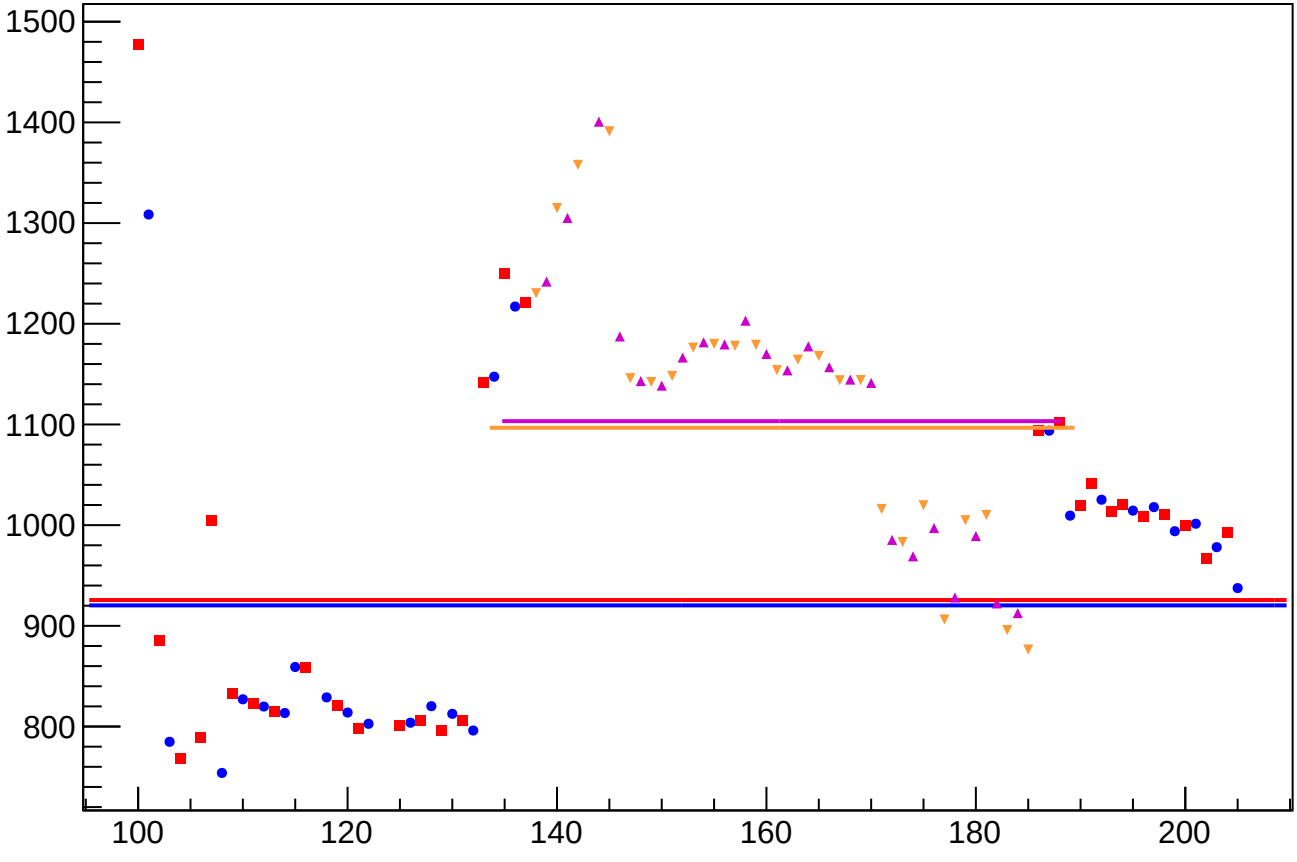
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 213.377+/-178.175 χ^2/NDF: 66.2/48

All: 251.538+/-125.296 χ^2/NDF: 112.1/100

- sign 288.872+/-176.233 χ^2/NDF: 45.8/51

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

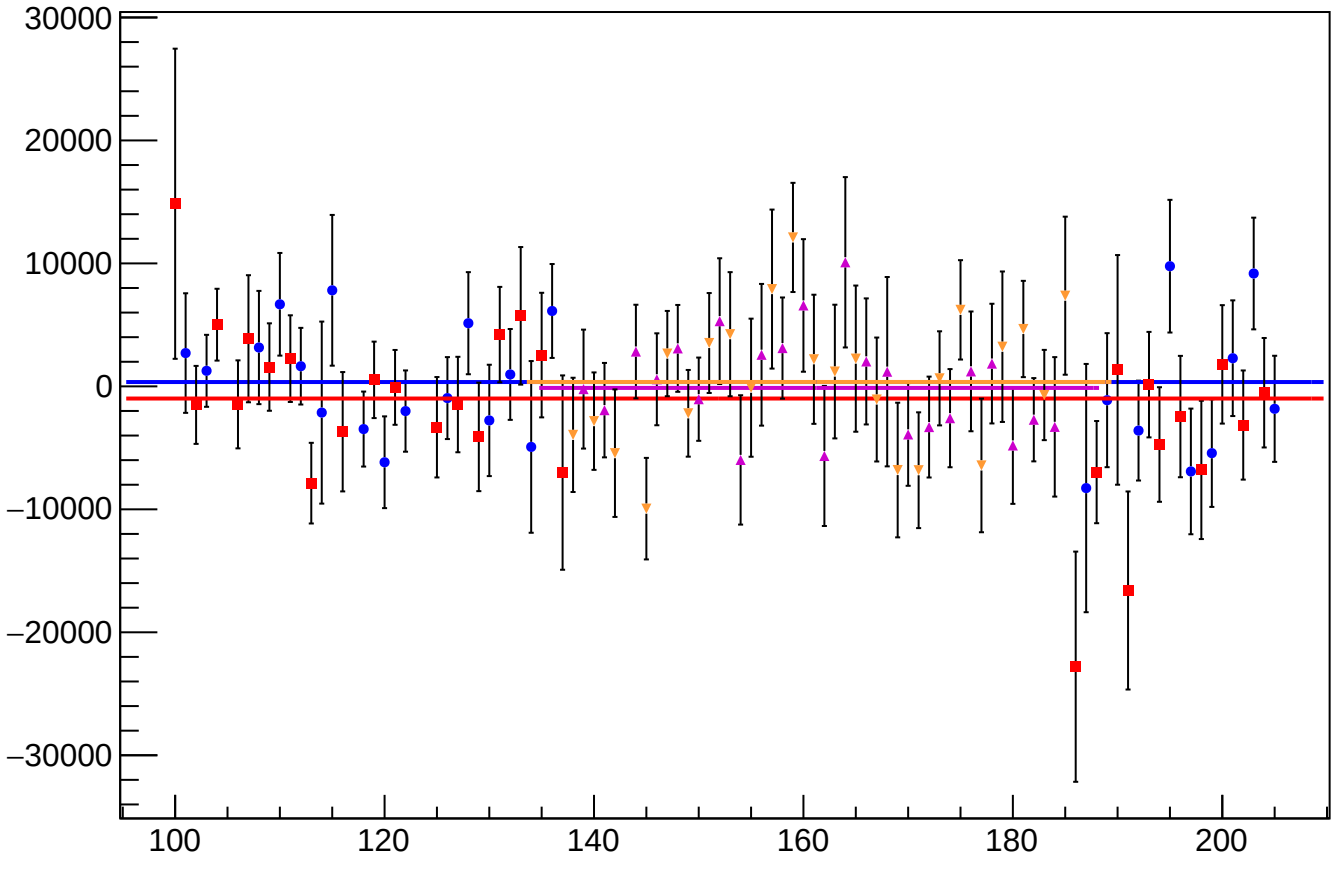
Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1005.543+/-0.126 χ^2/NDF: 1533677.9/48

All: 1006.493+/-0.089 χ^2/NDF: 3017261.6/10

- sign 1007.420+/-0.124 χ^2/NDF: 1483471.4/51



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

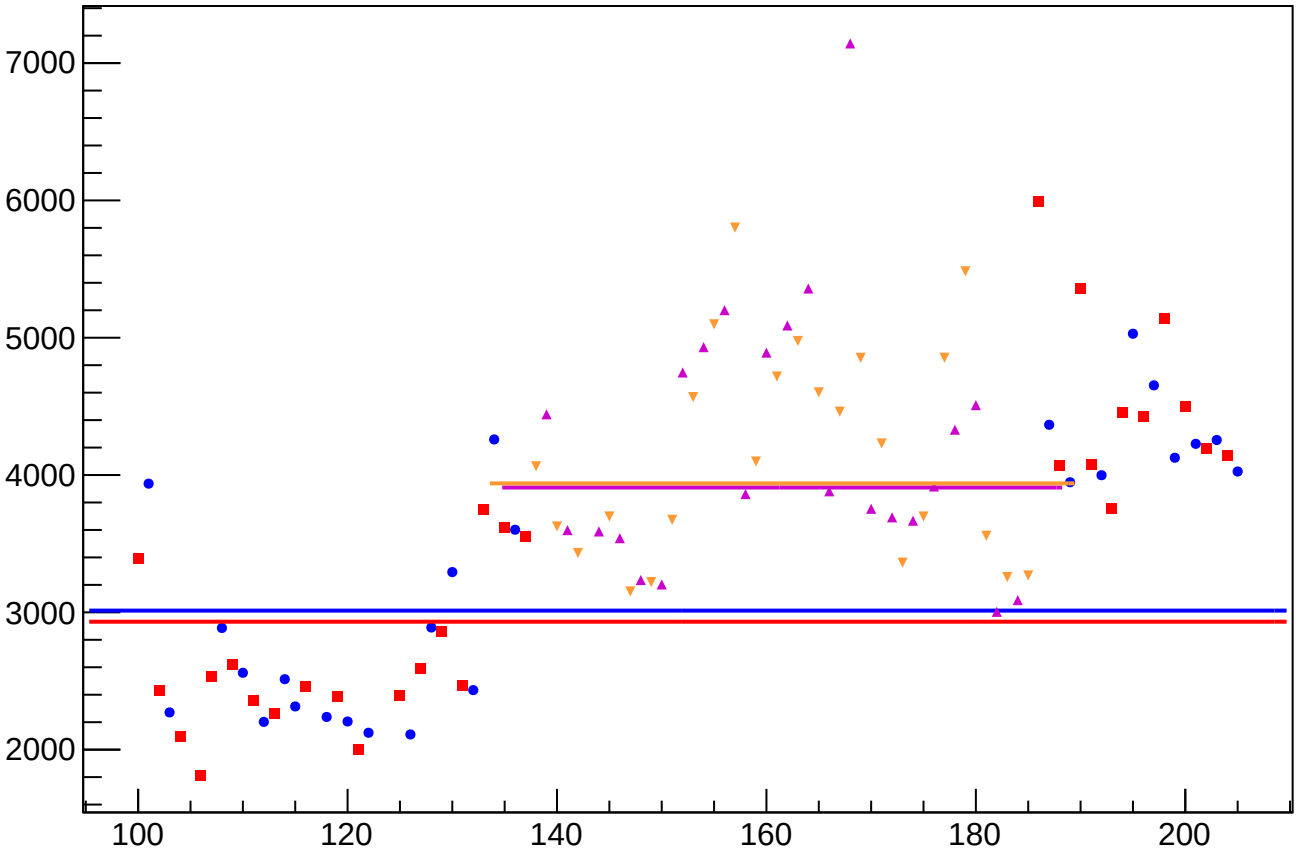
Right Out: -989.378+/-793.126 χ^2/NDF: 32.1/28

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 354.560+/-624.540 χ^2/NDF: 57.8/48

All: -152.625+/-434.244 χ^2/NDF: 105.4/100

- sign -627.301+/-604.193 χ^2/NDF: 46.3/51



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

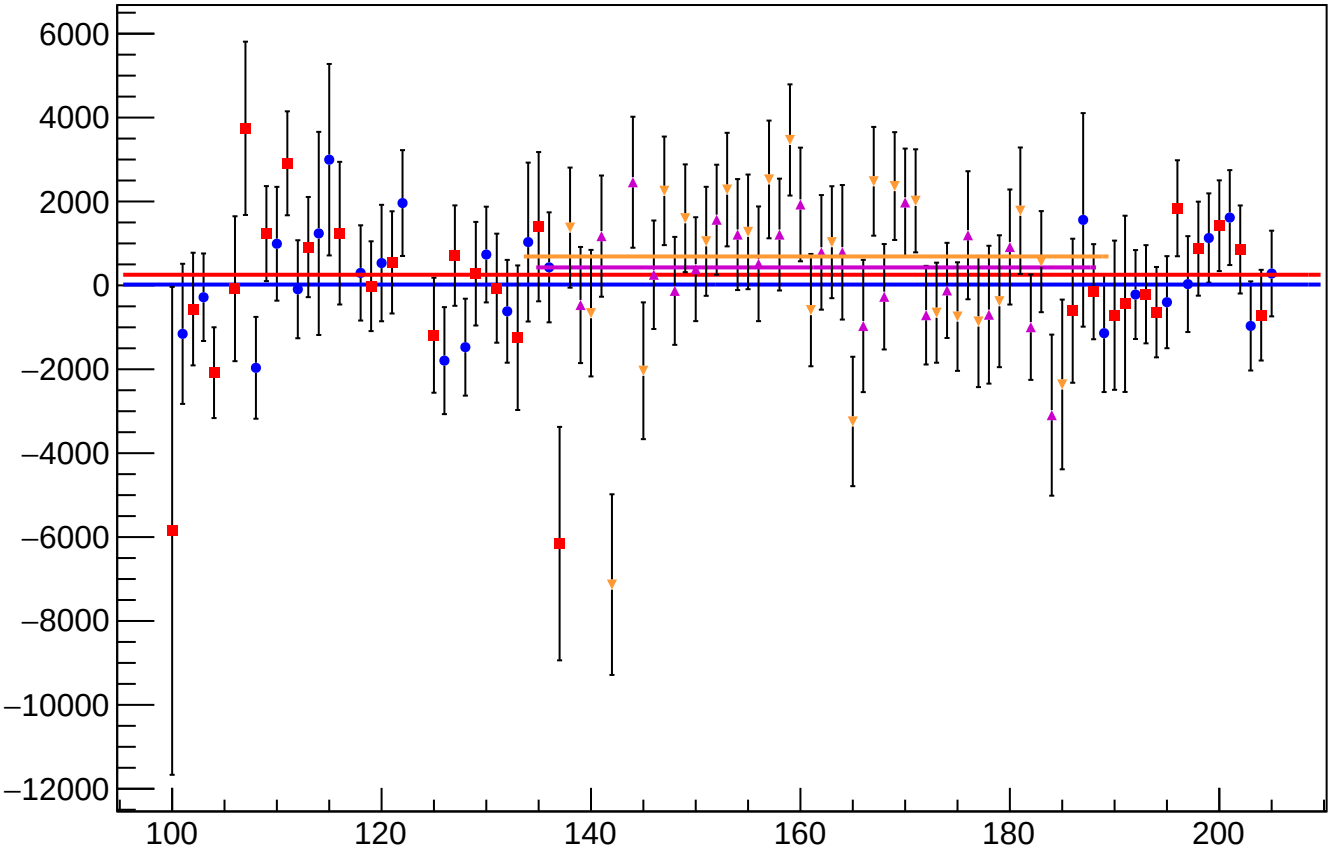
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3426.762+/-0.442 χ^2/NDF: 4482239.0/48

All: 3382.974+/-0.307 χ^2/NDF: 9931755.9/10

- sign 3341.992+/-0.427 χ^2/NDF: 5430483.6/51

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 19.405+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 253.281+/-244.548 χ^2/NDF: 29.1/28

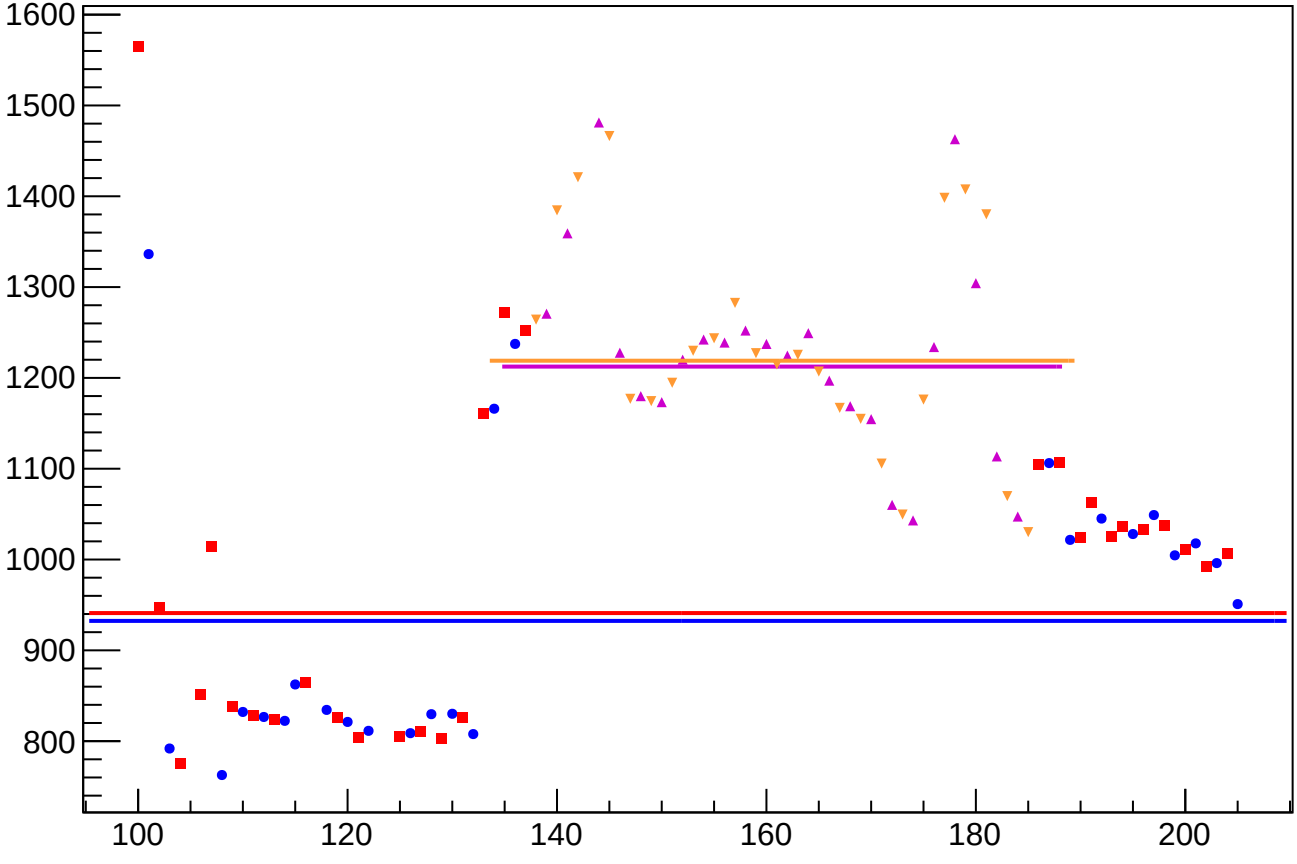
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

\+ sign 313.043+/-188.314 χ^2/NDF: 67.2/48

All: 320.423+/-132.123 χ^2/NDF: 111.0/100

\- sign 327.579+/-185.420 χ^2/NDF: 43.9/51

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 932.417+/-0.178 χ^2/NDF: 586372.2/24

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.4/28

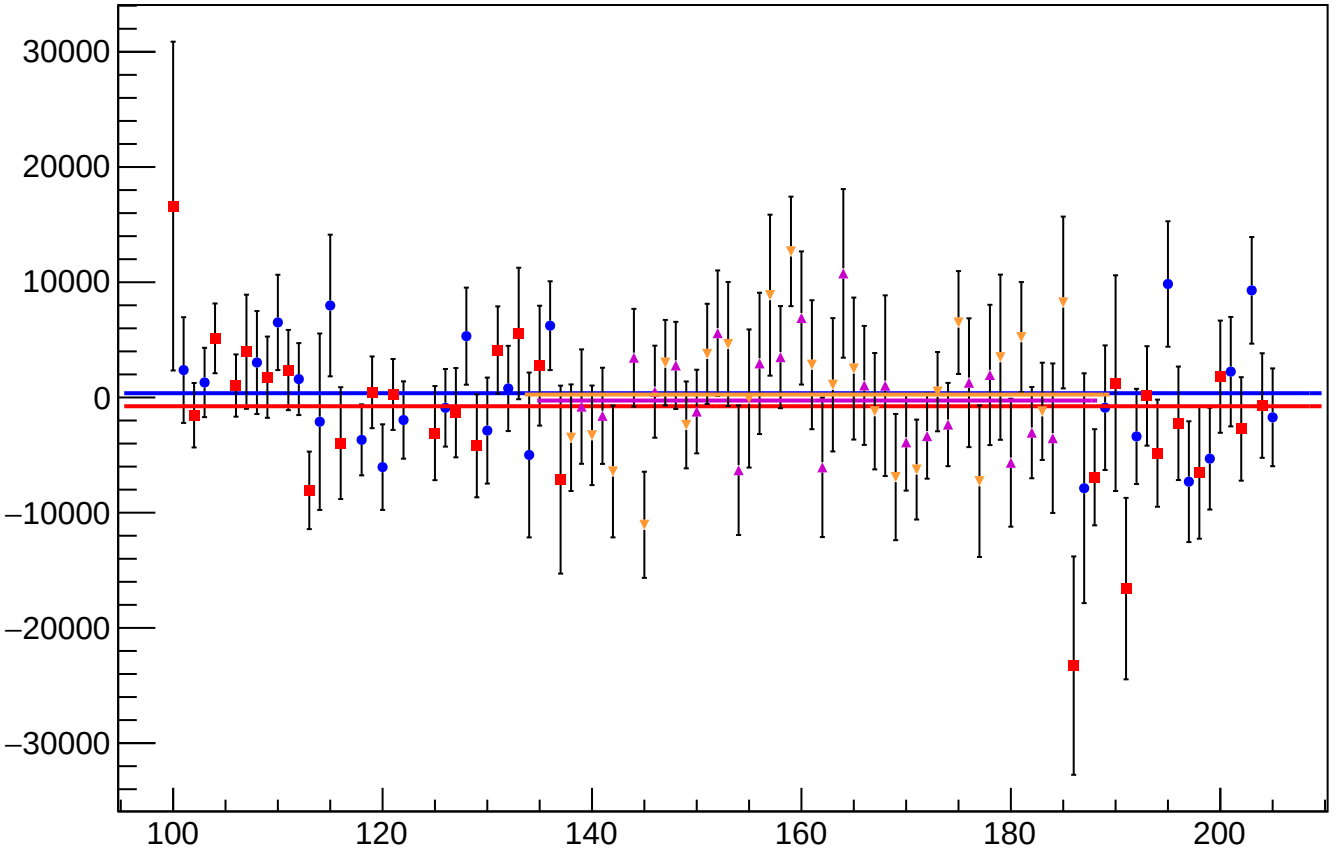
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1058.044+/-0.133 χ^2/NDF: 2020131.0/48

All: 1057.184+/-0.093 χ^2/NDF: 3867678.5/10

- sign 1056.351+/-0.131 χ^2/NDF: 1847465.3/51

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 369.526+/-844.632 χ^2/NDF: 27.2/24

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -762.301+/-776.380 χ^2/NDF: 32.6/28

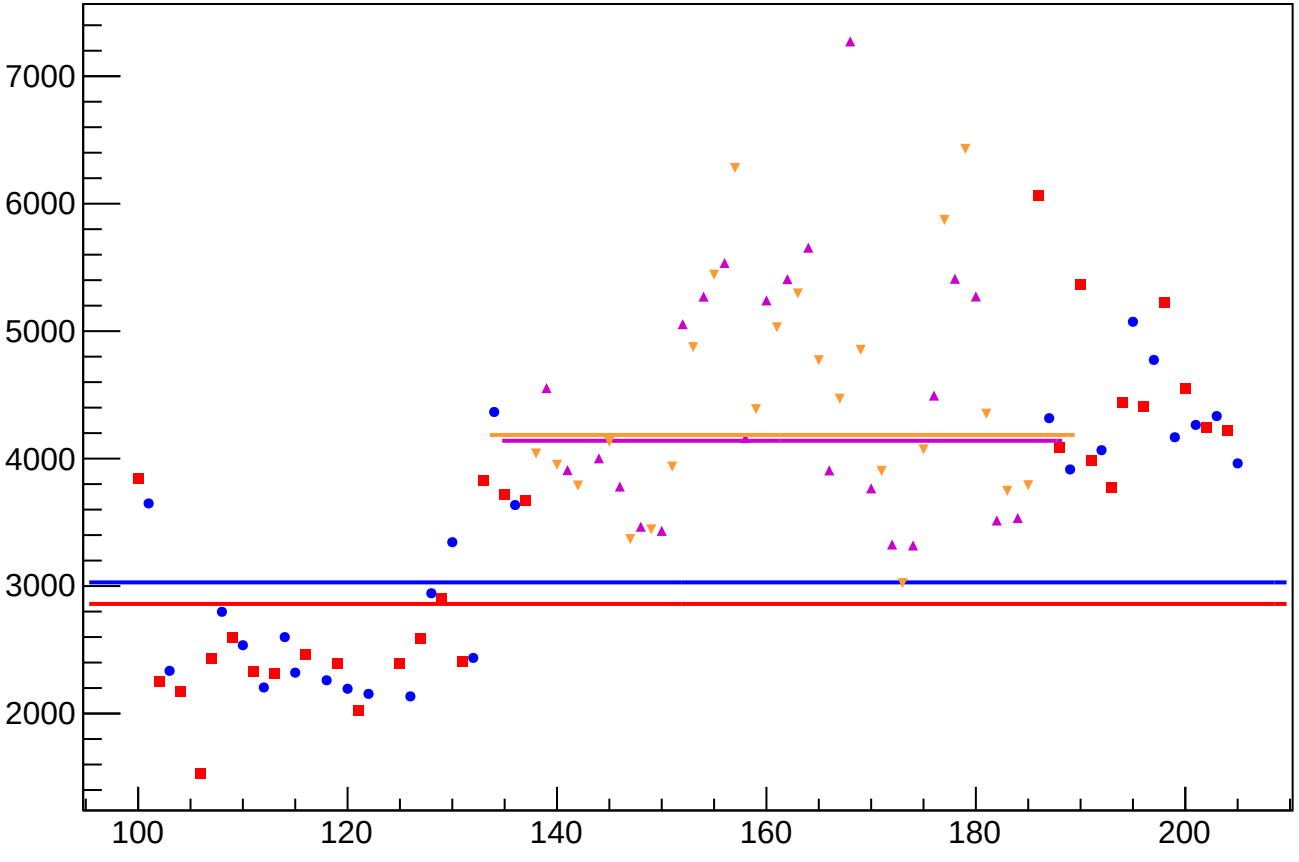
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 320.650+/-643.956 χ^2/NDF: 56.9/48

All: -149.886+/-443.214 χ^2/NDF: 104.2/100

- sign -573.415+/-610.944 χ^2/NDF: 46.2/51

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3028.972+/-0.597 χ^2/NDF: 2273200.3/24

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2859.977+/-0.549 χ^2/NDF: 3278234.3/28

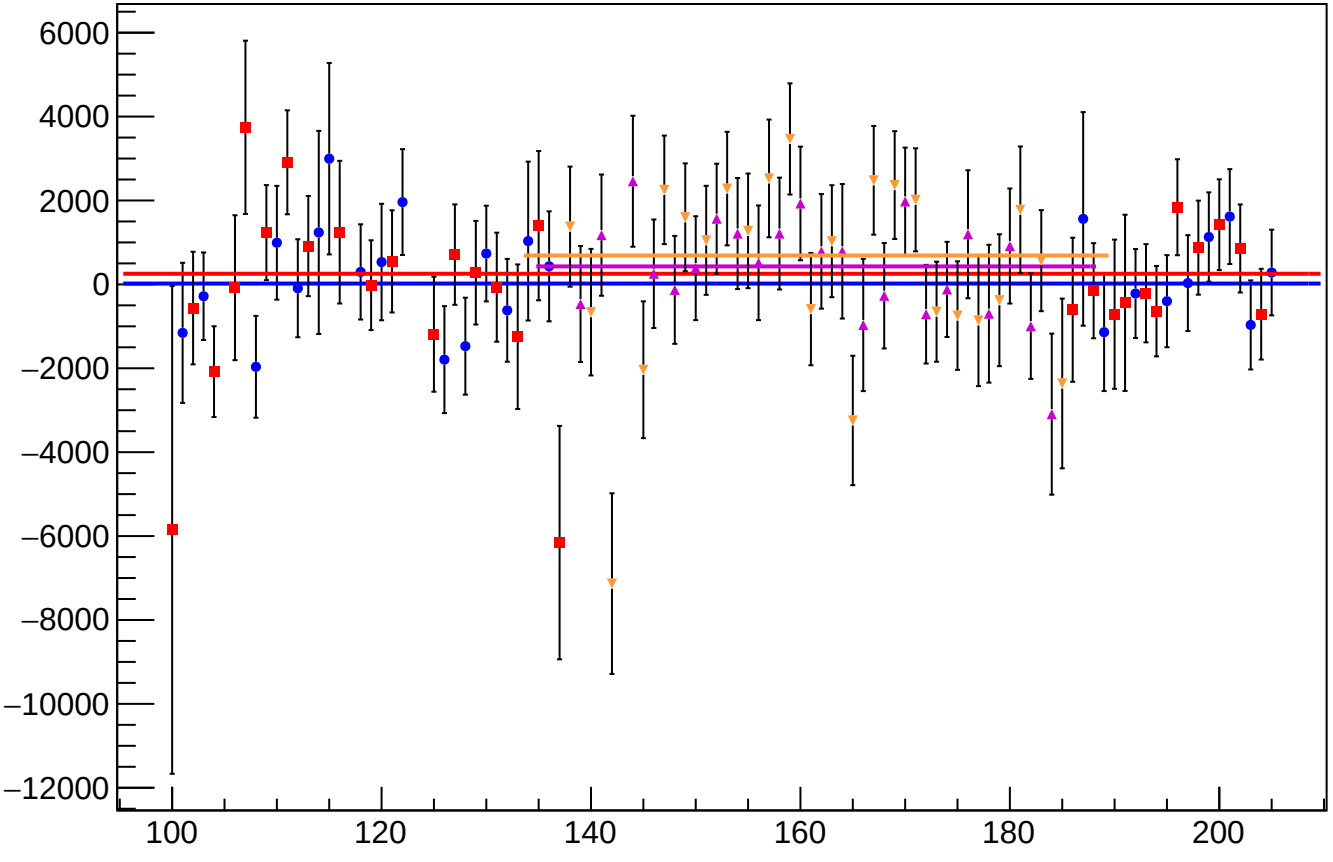
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3513.312+/-0.455 χ^2/NDF: 5115027.4/48

All: 3425.988+/-0.313 χ^2/NDF: 11983260.8/1

- sign 3347.388+/-0.432 χ^2/NDF: 6798352.3/51

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 19.406+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 253.284+/-244.548 χ^2/NDF: 29.1/28

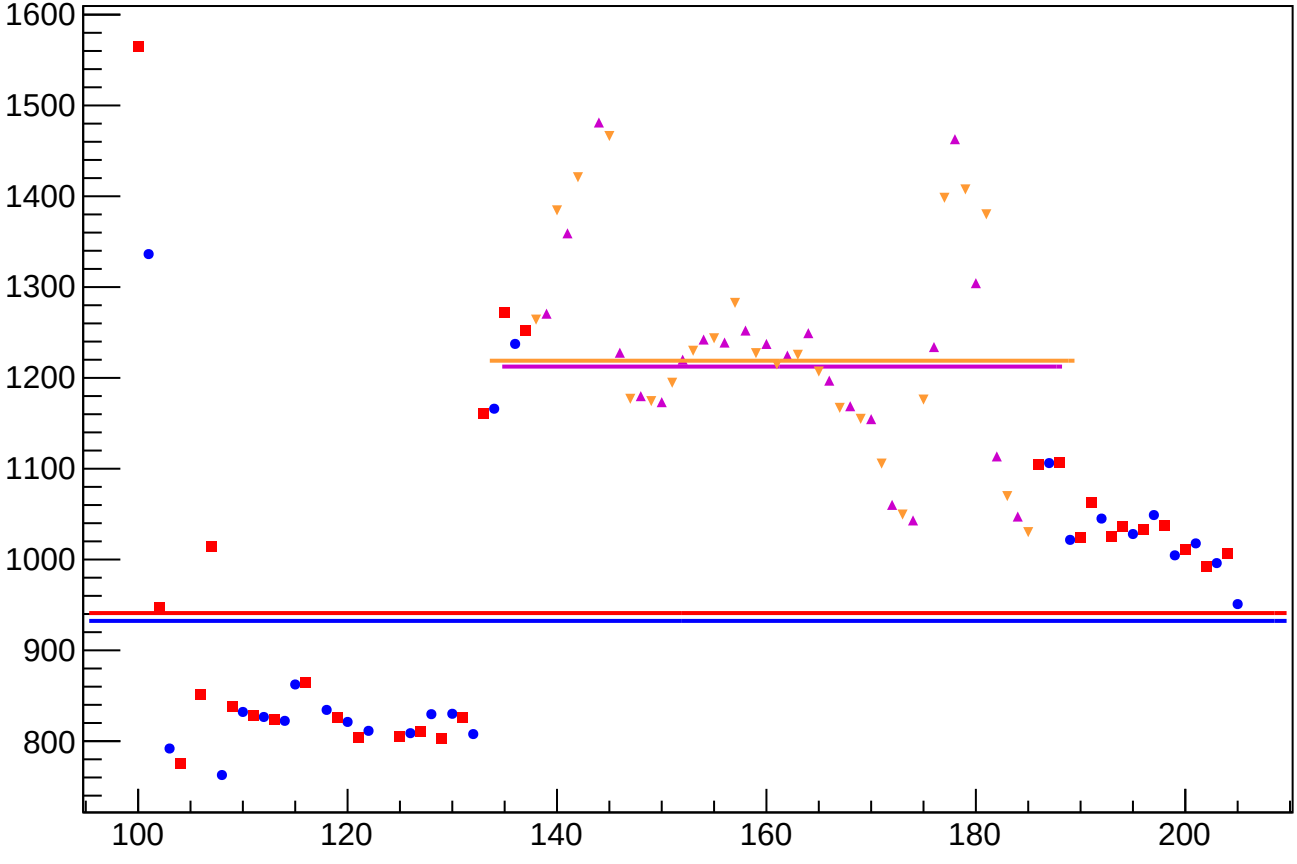
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 313.044+/-188.314 χ^2/NDF: 67.2/48

All: 320.424+/-132.123 χ^2/NDF: 111.0/100

- sign 327.579+/-185.420 χ^2/NDF: 43.9/51

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 932.417+/-0.178 χ^2/NDF: 586372.3/24

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

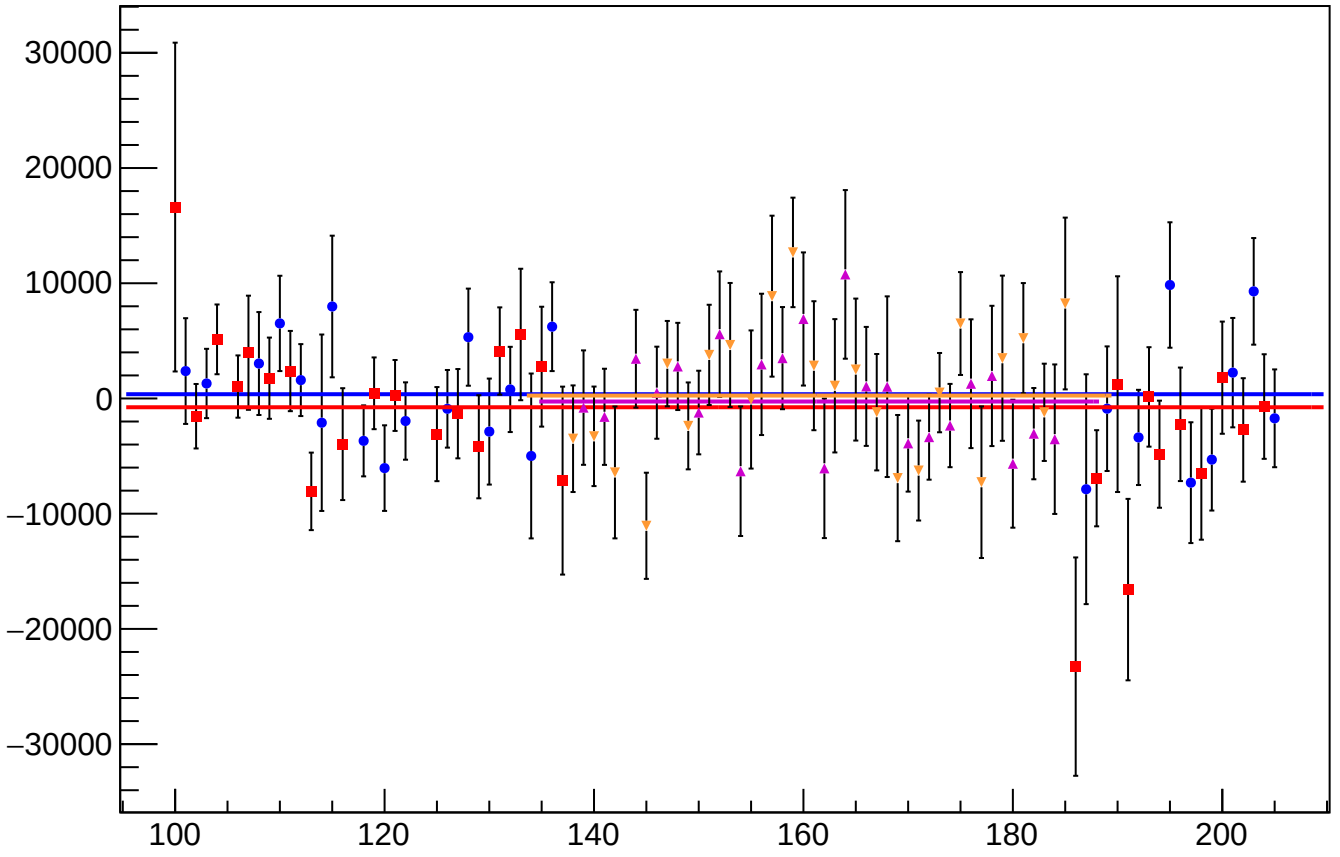
Right Out: 941.050+/-0.173 χ^2/NDF: 539485.9/28

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1058.045+/-0.133 χ^2/NDF: 2020148.6/48

All: 1057.185+/-0.093 χ^2/NDF: 3867712.4/10

- sign 1056.352+/-0.131 χ^2/NDF: 1847481.8/51



Right In: 369.522+/-844.631 χ^2/NDF: 27.2/24

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

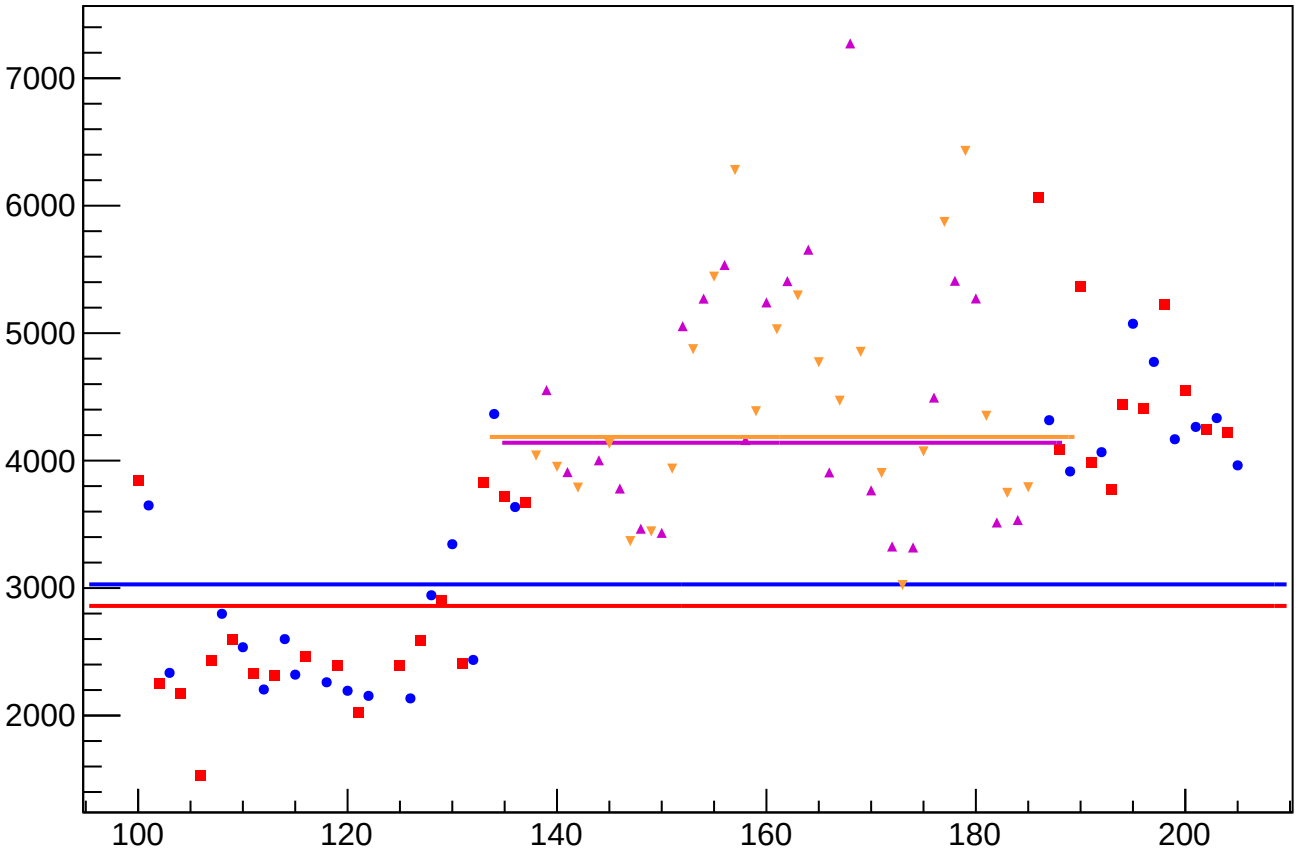
Right Out: -762.297+/-776.379 χ^2/NDF: 32.6/28

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

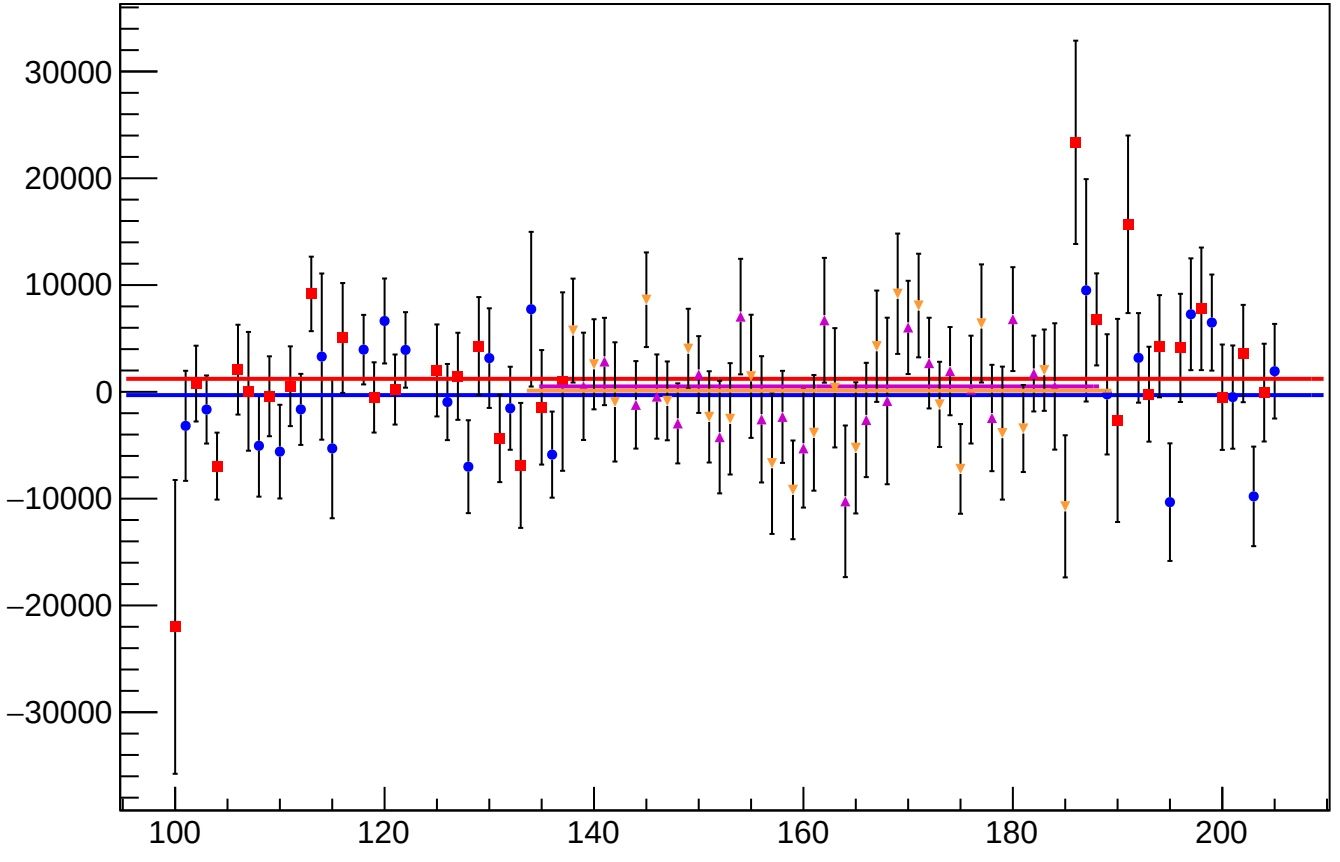
+ sign 320.649+/-643.956 χ^2/NDF: 56.9/48

All: -149.885+/-443.214 χ^2/NDF: 104.2/100

- sign -573.414+/-610.944 χ^2/NDF: 46.2/51


asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3028.964+/-0.597 χ²/NDF: 2273236.3/24
Left Out: 4185.664+/-0.704 χ²/NDF:1271247.4/23
Right Out: 2859.971+/-0.549 χ²/NDF: 3278266.5/28
Left In: 4140.059+/-0.700 χ²/NDF:1449925.1/22
+ sign 3513.309+/-0.455 χ²/NDF: 5115102.9/48
All: 3425.985+/-0.313 χ²/NDF: 11983412.8/1
- sign 3347.384+/-0.432 χ²/NDF: 6798428.3/51

asym_usl_atl2_dd_mean vs Slug



Right In: -304.584+/-883.807 χ^2/NDF: 29.9/24

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1218.897+/-840.781 χ^2/NDF: 33.5/28

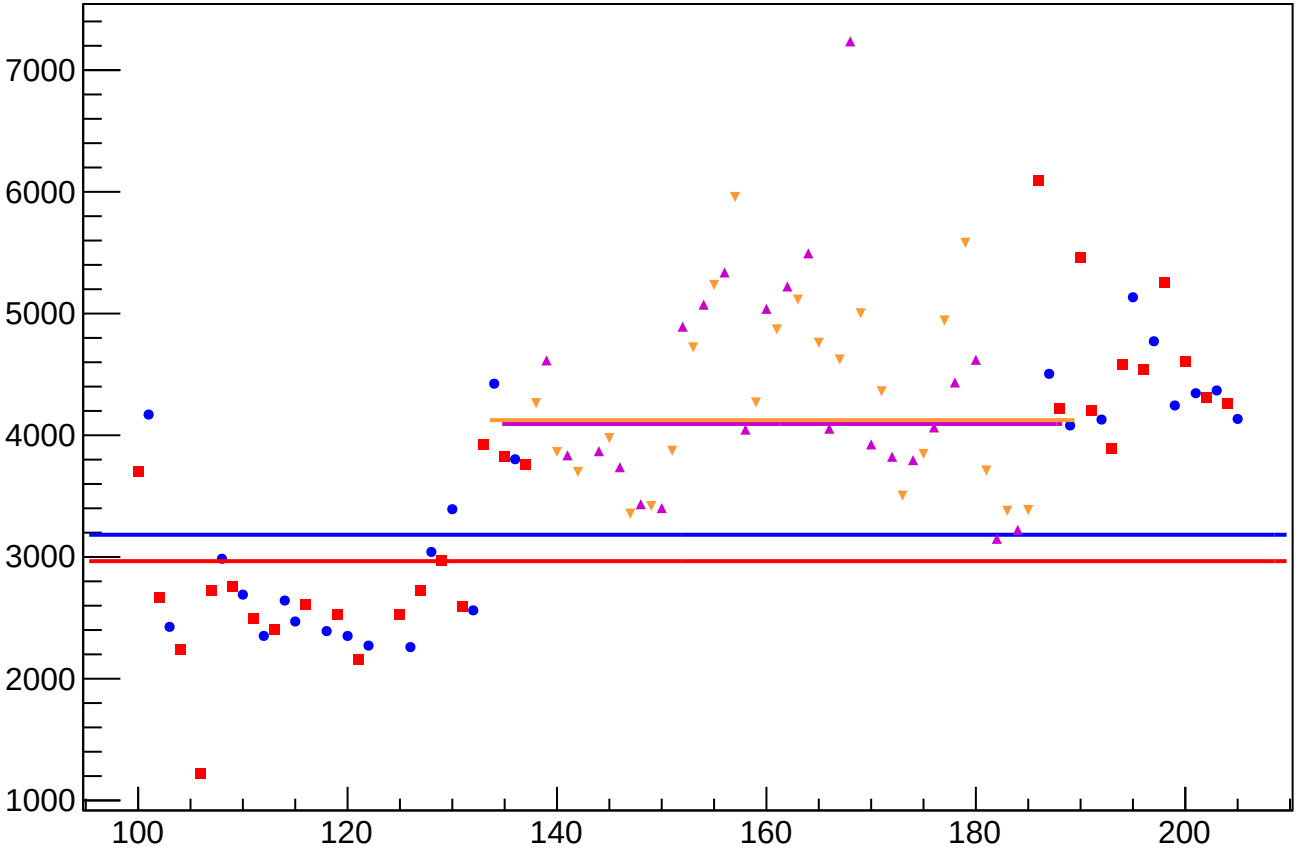
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -118.175+/-654.999 χ^2/NDF: 58.1/48

All: 413.647+/-456.474 χ^2/NDF: 106.7/100

- sign 915.853+/-636.500 χ^2/NDF: 47.3/51

asym_usl_atl2_dd_rms vs Slug



Right In: 3182.820+/-0.625 χ^2/NDF: 2077440.6/24

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2965.861+/-0.574 χ^2/NDF: 3457222.0/28

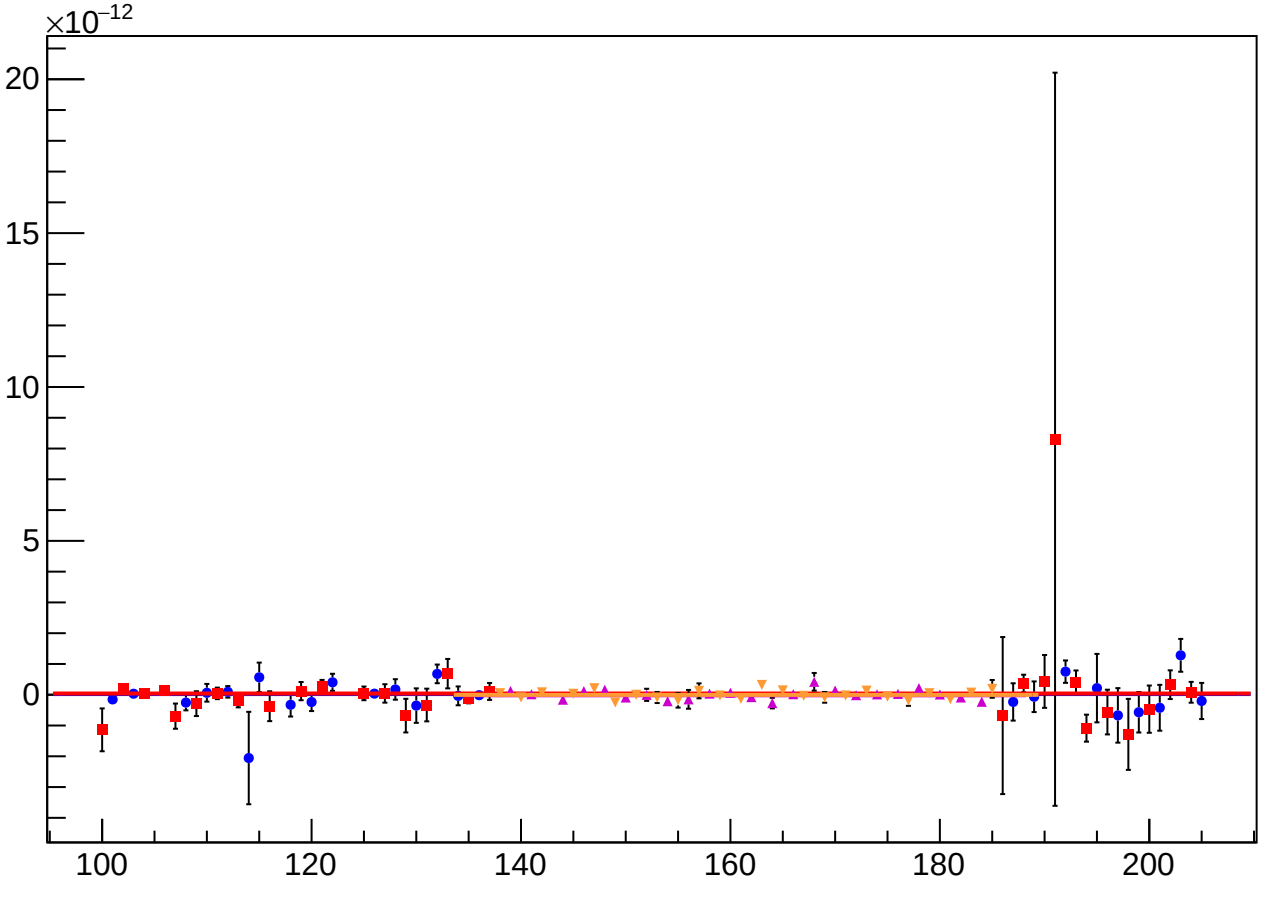
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3607.278+/-0.463 χ^2/NDF: 4070775.7/48

All: 3513.416+/-0.319 χ^2/NDF: 10348488.1/1

- sign 3428.247+/-0.441 χ^2/NDF: 6199374.9/51

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

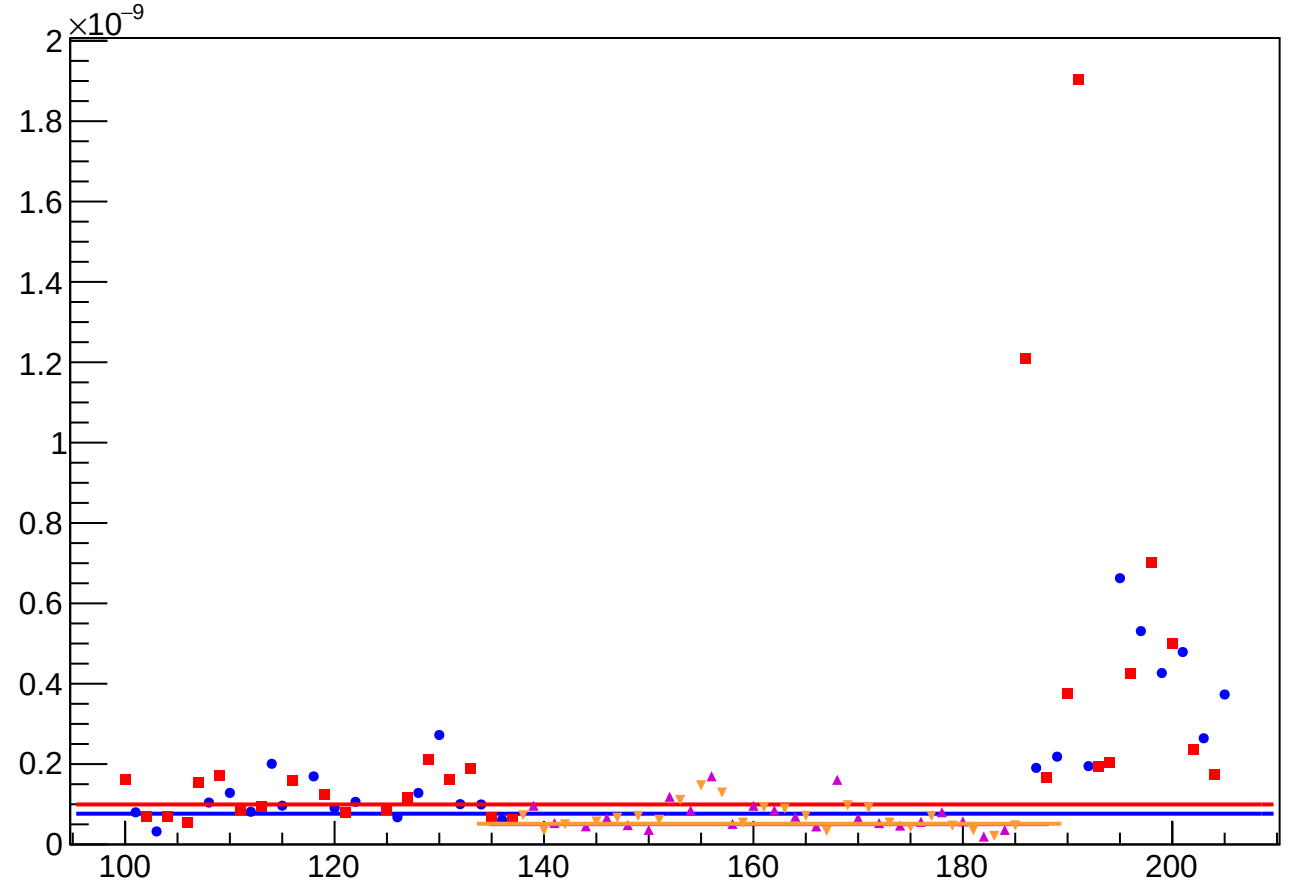
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/28

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/48

All: -0.000+/-0.000 χ^2/NDF: 107.9/100

- sign -0.000+/-0.000 χ^2/NDF: 56.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4789939.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3612006.3/28

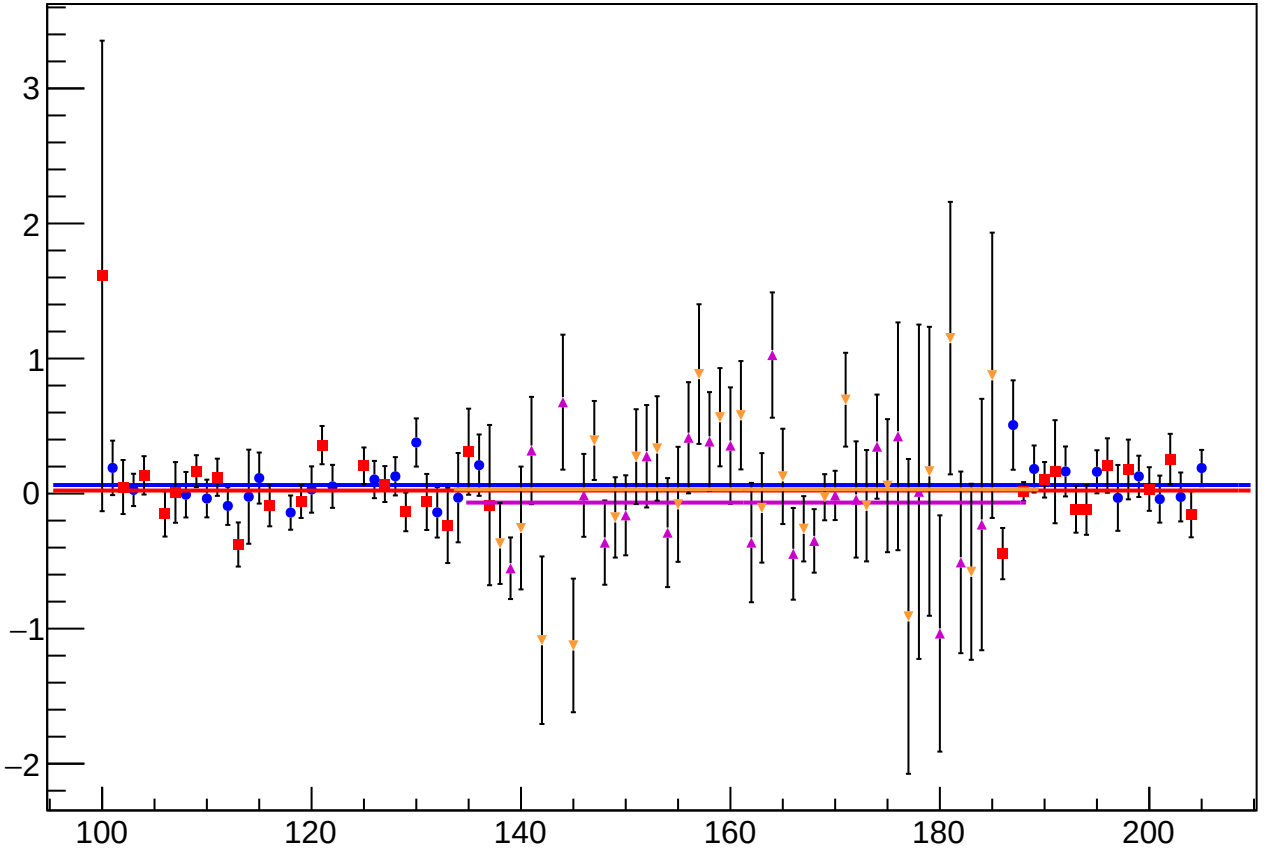
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7591878.8/48

All: 0.000+/-0.000 χ^2/NDF: 15237957.2/100

- sign 0.000+/-0.000 χ^2/NDF: 7640126.9/51

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.023+/-0.029 χ^2/NDF: 34.0/28

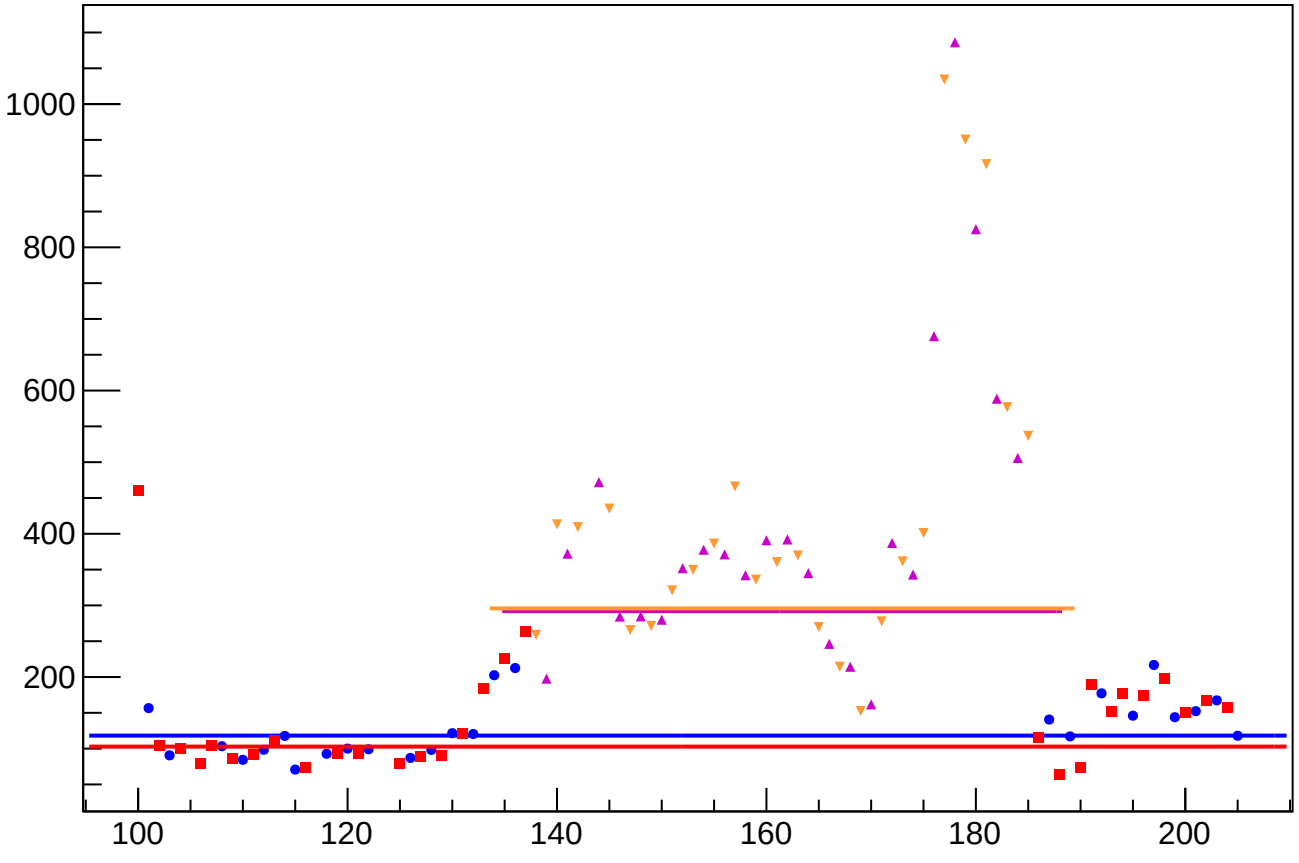
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.058+/-0.031 χ^2/NDF: 44.8/48

All: 0.032+/-0.020 χ^2/NDF: 107.1/100

- sign 0.011+/-0.027 χ^2/NDF: 60.9/51

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

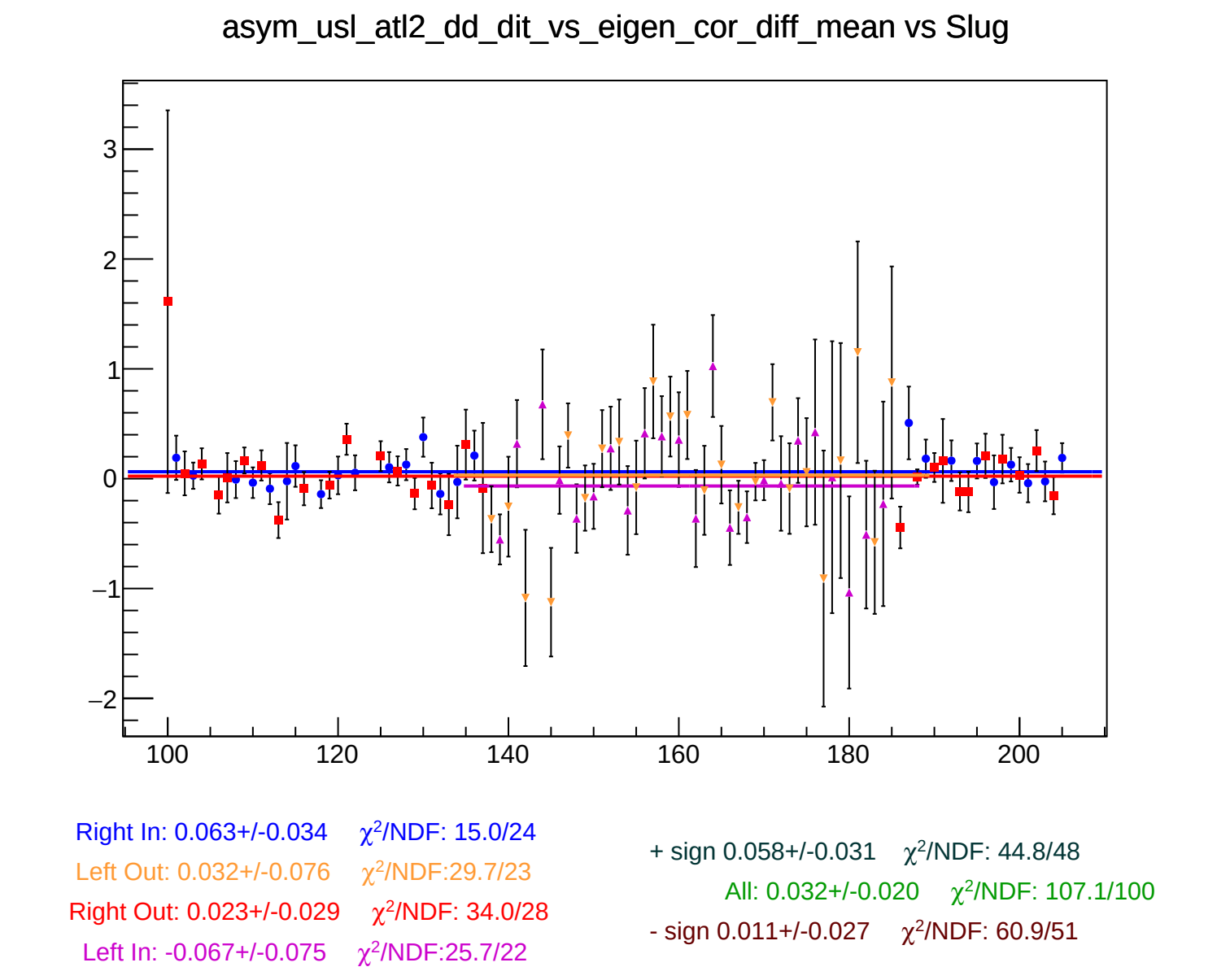
Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16740938.8/48

All: 136.463+/-0.014 χ^2/NDF: 36935514.2/10

- sign 127.981+/-0.019 χ^2/NDF: 19753074.2/51


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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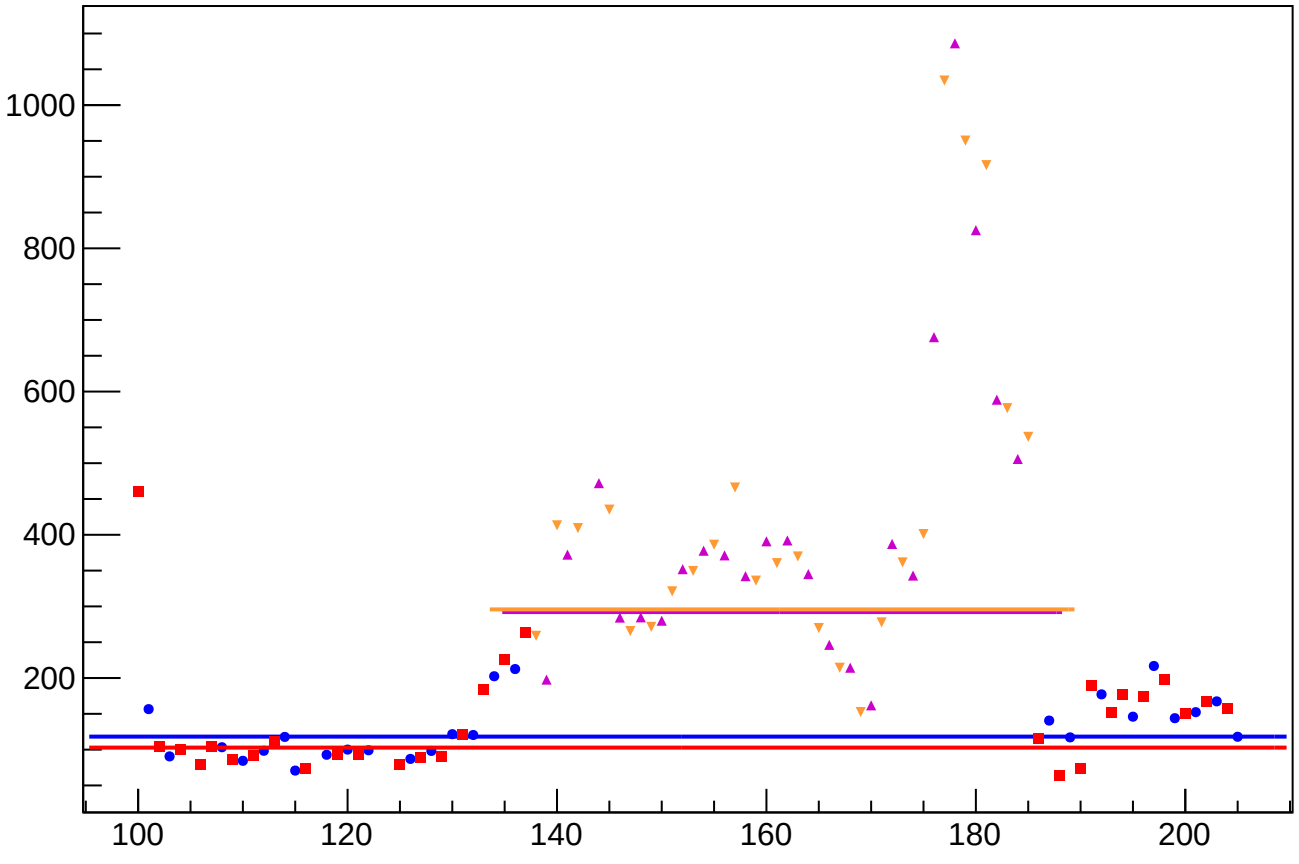
Right In: 0.063+/-0.034 χ²/NDF: 15.0/24
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.023+/-0.029 χ²/NDF: 34.0/28
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.058+/-0.031 χ²/NDF: 44.8/48
All: 0.032+/-0.020 χ²/NDF: 107.1/100
- sign 0.011+/-0.027 χ²/NDF: 60.9/51



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

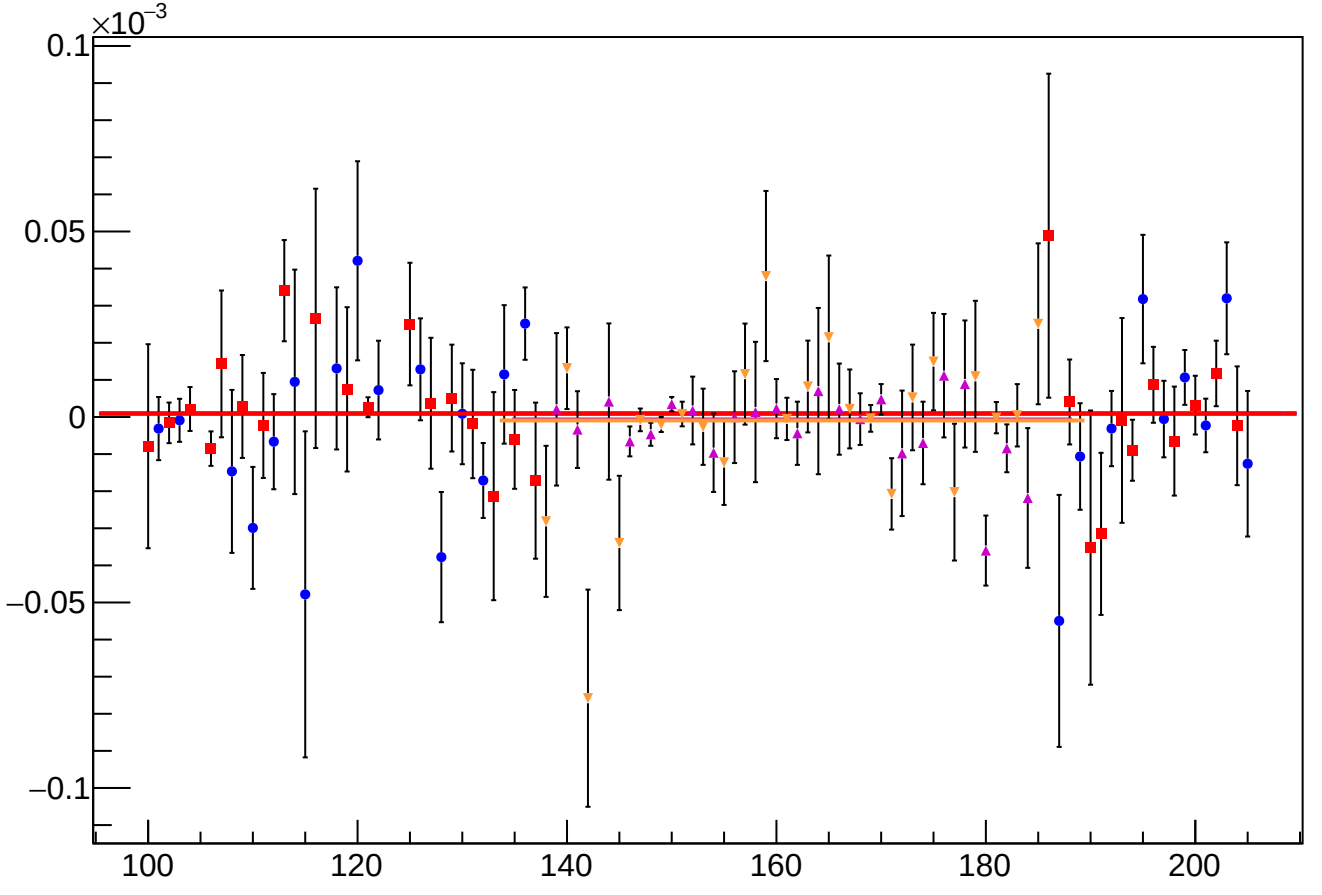
Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16740938.8/48

All: 136.463+/-0.014 χ^2/NDF: 36935514.2/10

- sign 127.981+/-0.019 χ^2/NDF: 19753074.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

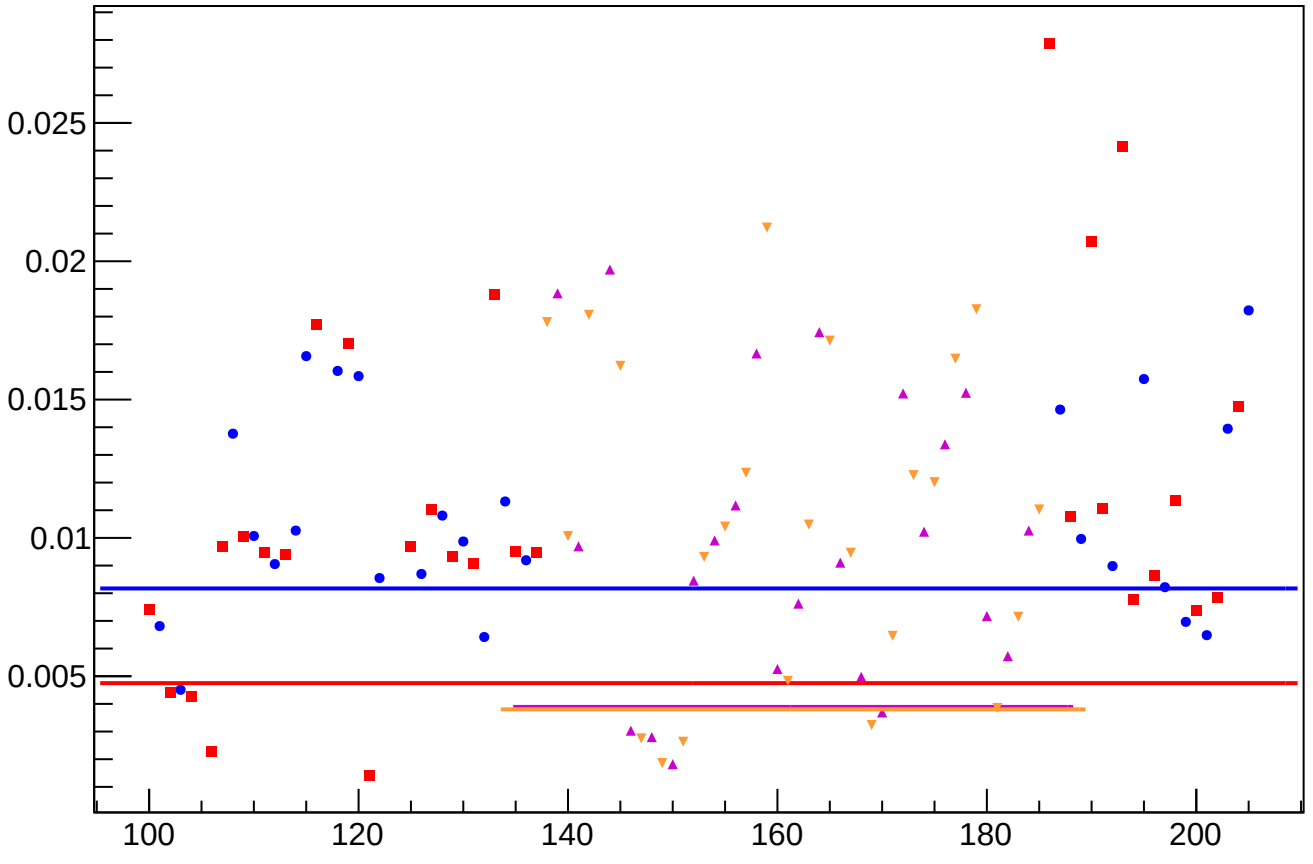
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.2/48

All: -0.000+/-0.000 χ^2/NDF: 121.8/100

- sign -0.000+/-0.000 χ^2/NDF: 54.6/51



Right In: 0.008+/-0.000 χ^2/NDF: 3219782.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

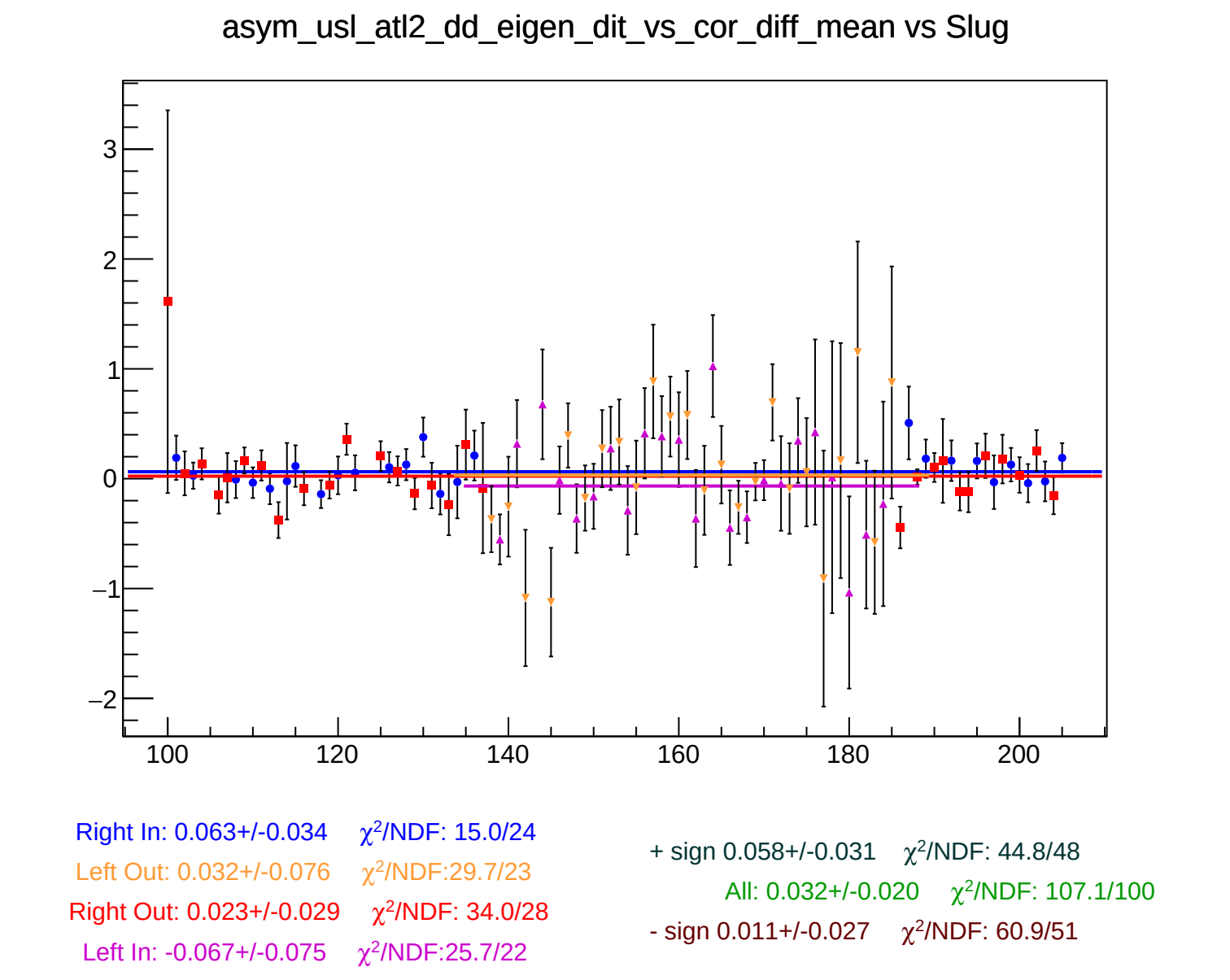
Right Out: 0.005+/-0.000 χ^2/NDF: 12001807.5/28

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 23219831.2/48

All: 0.004+/-0.000 χ^2/NDF: 49309089.9/100

- sign 0.004+/-0.000 χ^2/NDF: 25874347.7/51


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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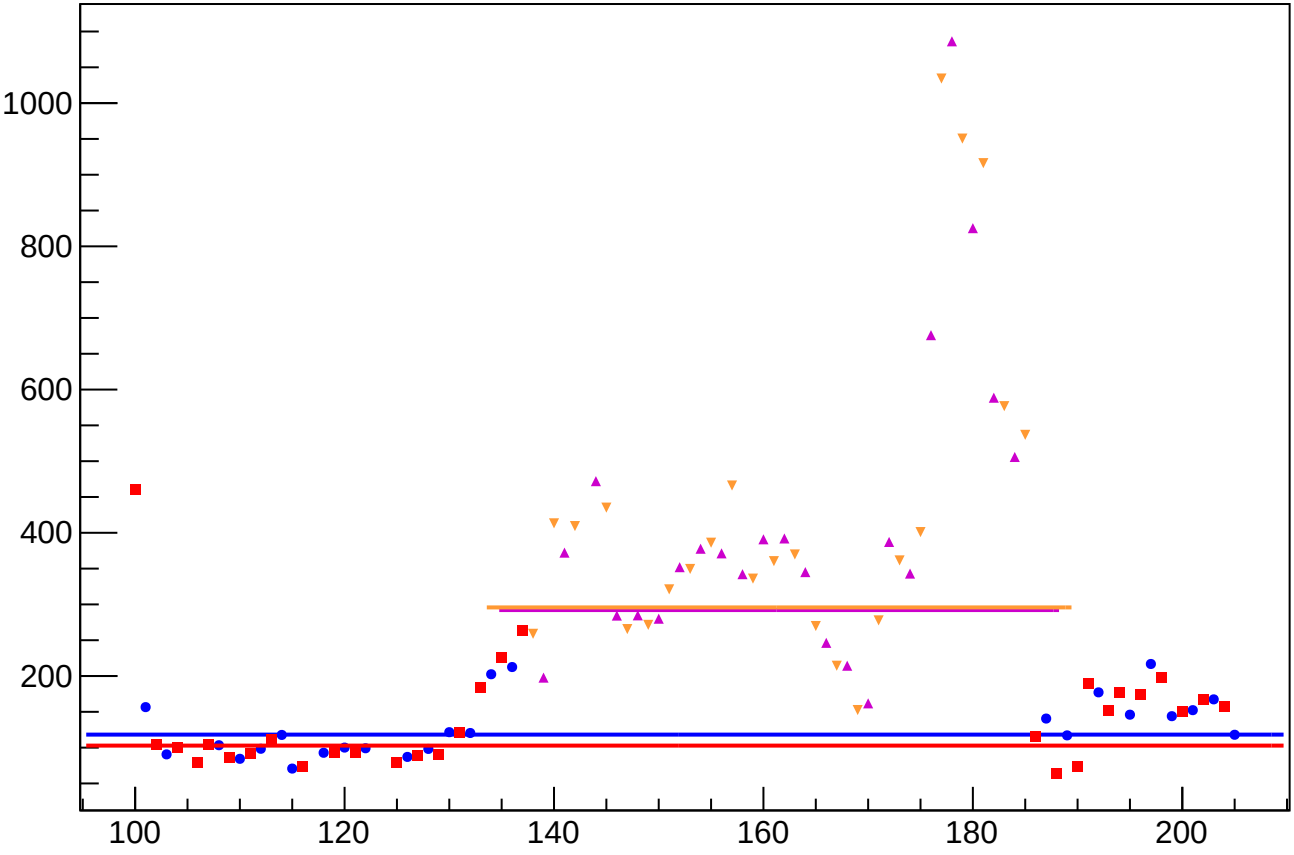
Right In: 0.063+/-0.034 χ²/NDF: 15.0/24
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.023+/-0.029 χ²/NDF: 34.0/28
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.058+/-0.031 χ²/NDF: 44.8/48
All: 0.032+/-0.020 χ²/NDF: 107.1/100
- sign 0.011+/-0.027 χ²/NDF: 60.9/51

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

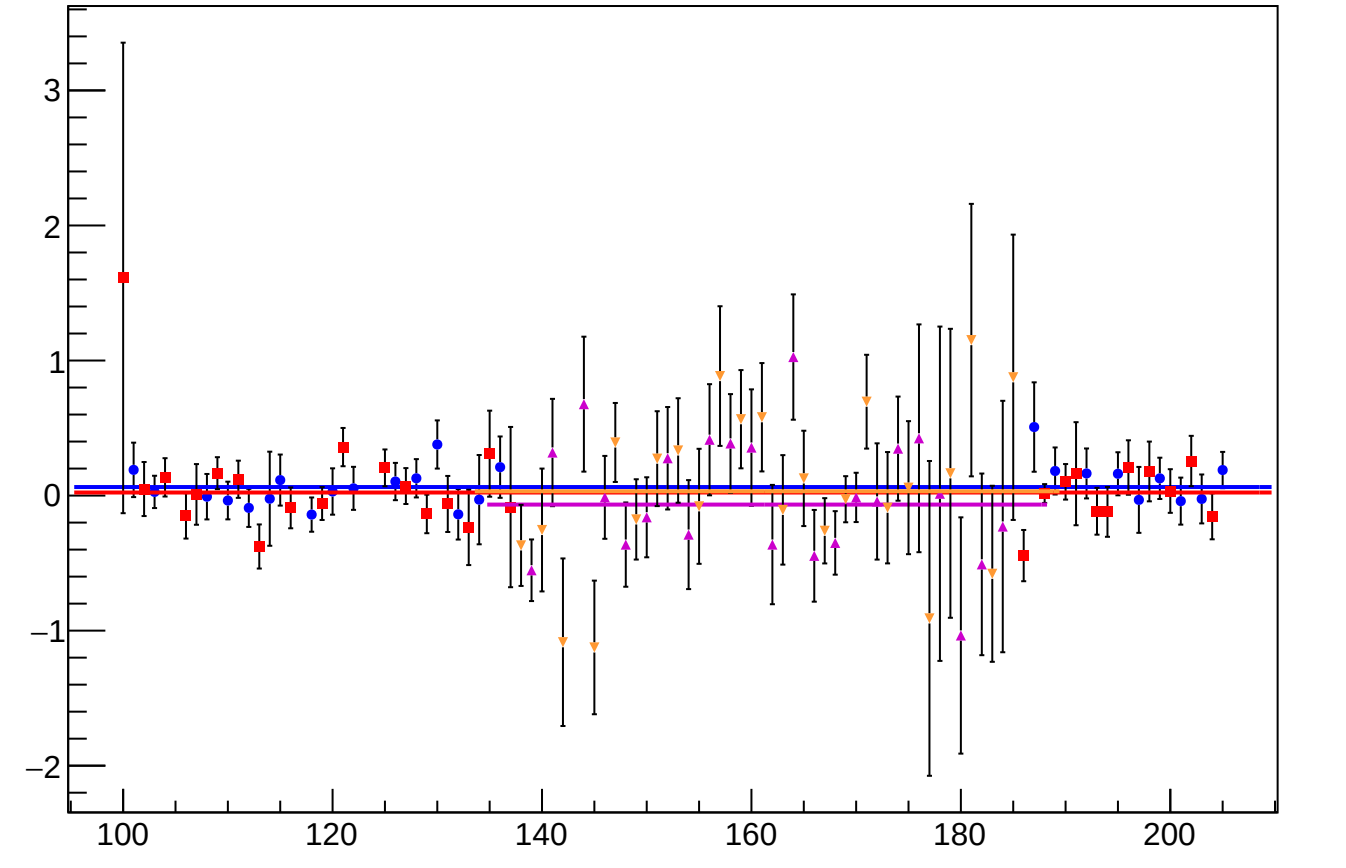
Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16741013.1/48

All: 136.462+/-0.014 χ^2/NDF: 36936194.4/10

- sign 127.980+/-0.019 χ^2/NDF: 19753590.7/51



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

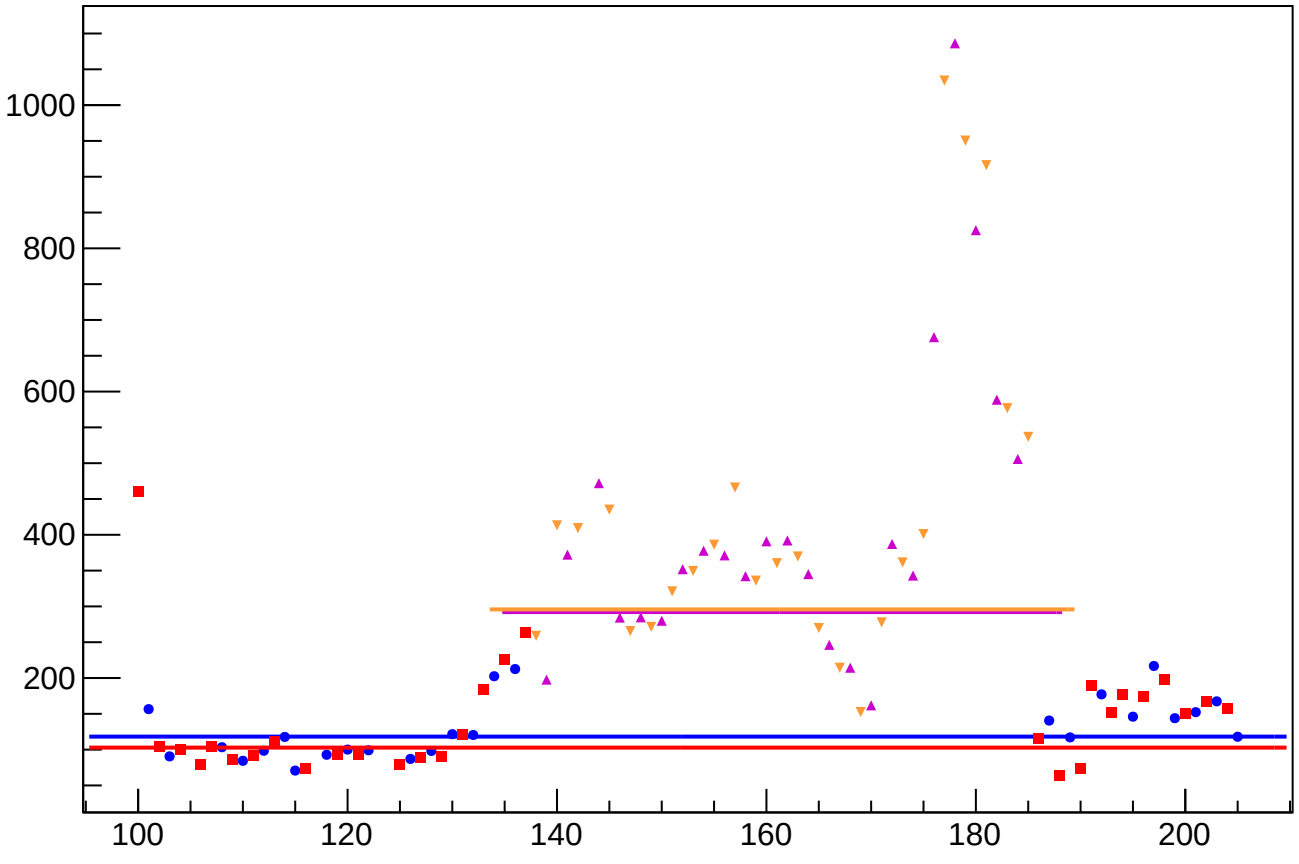
Right Out: 0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.058+/-0.031 χ^2/NDF: 44.8/48

All: 0.032+/-0.020 χ^2/NDF: 107.1/100

- sign 0.011+/-0.027 χ^2/NDF: 60.9/51



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

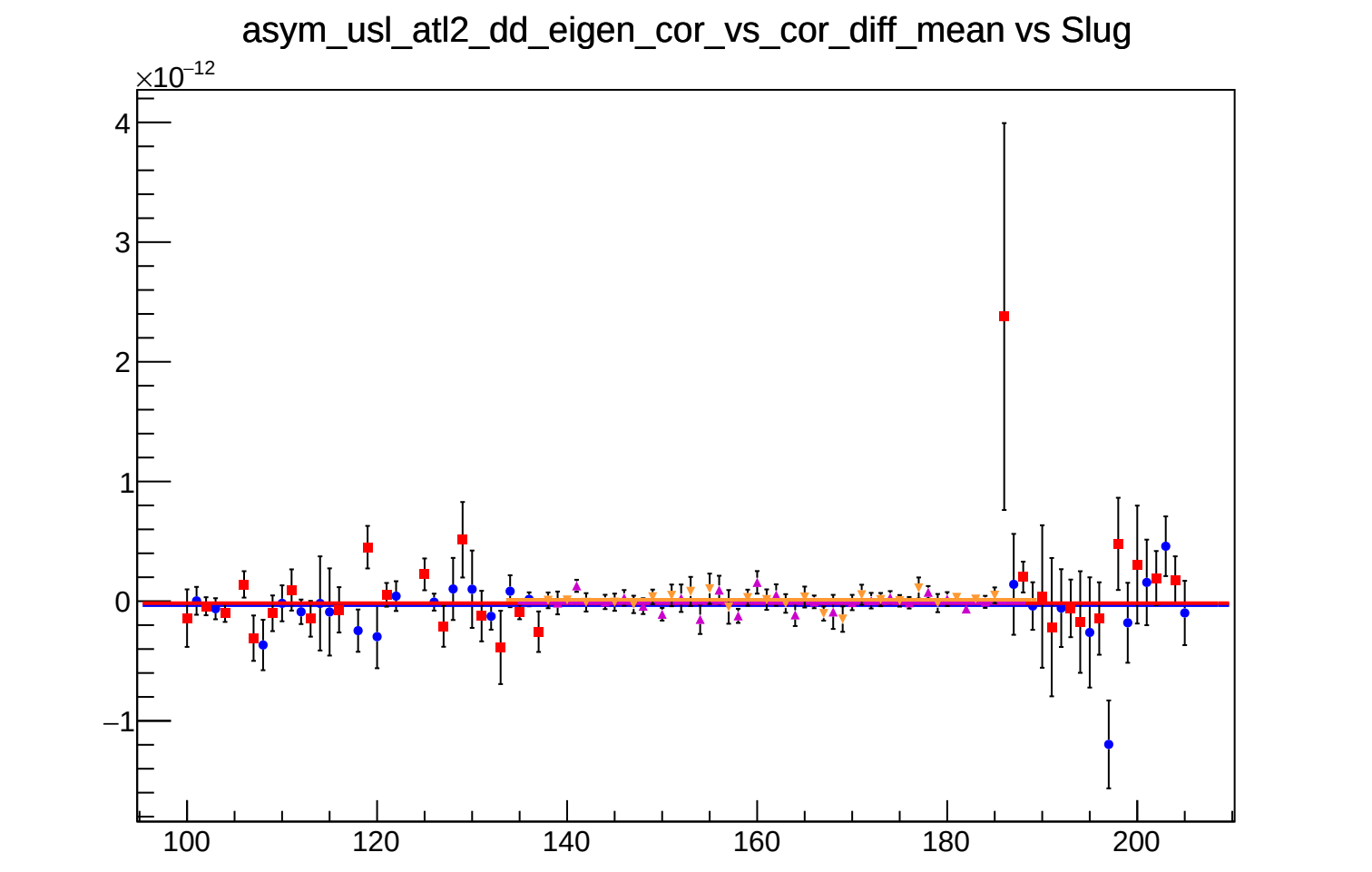
Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16741013.1/48

All: 136.462+/-0.014 χ^2/NDF: 36936194.4/10

- sign 127.980+/-0.019 χ^2/NDF: 19753590.7/51


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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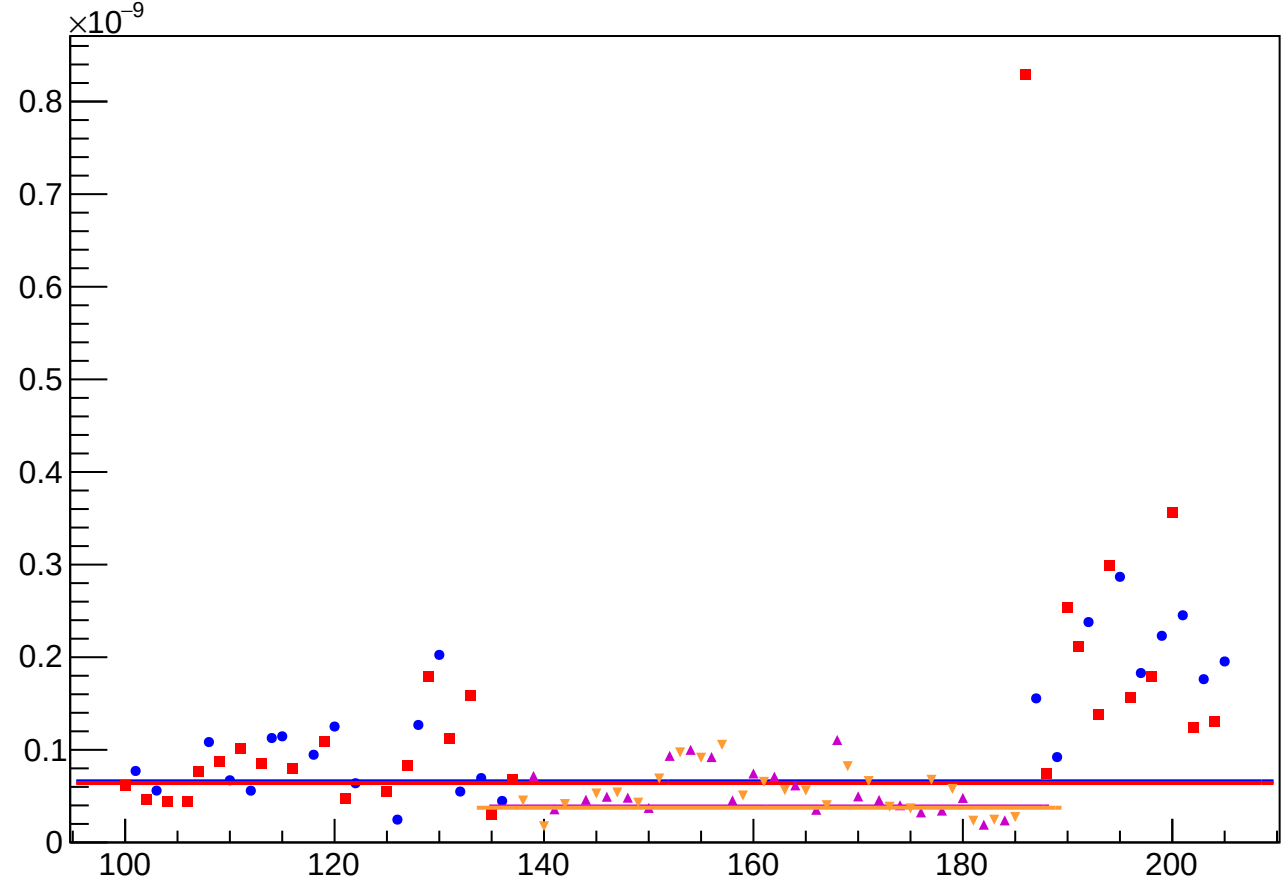
Right In: -0.000+/-0.000 χ²/NDF: 23.5/24
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 37.0/28
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 36.2/48
All: -0.000+/-0.000 χ²/NDF: 105.8/100
- sign -0.000+/-0.000 χ²/NDF: 67.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 4946372.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4973471.5/28

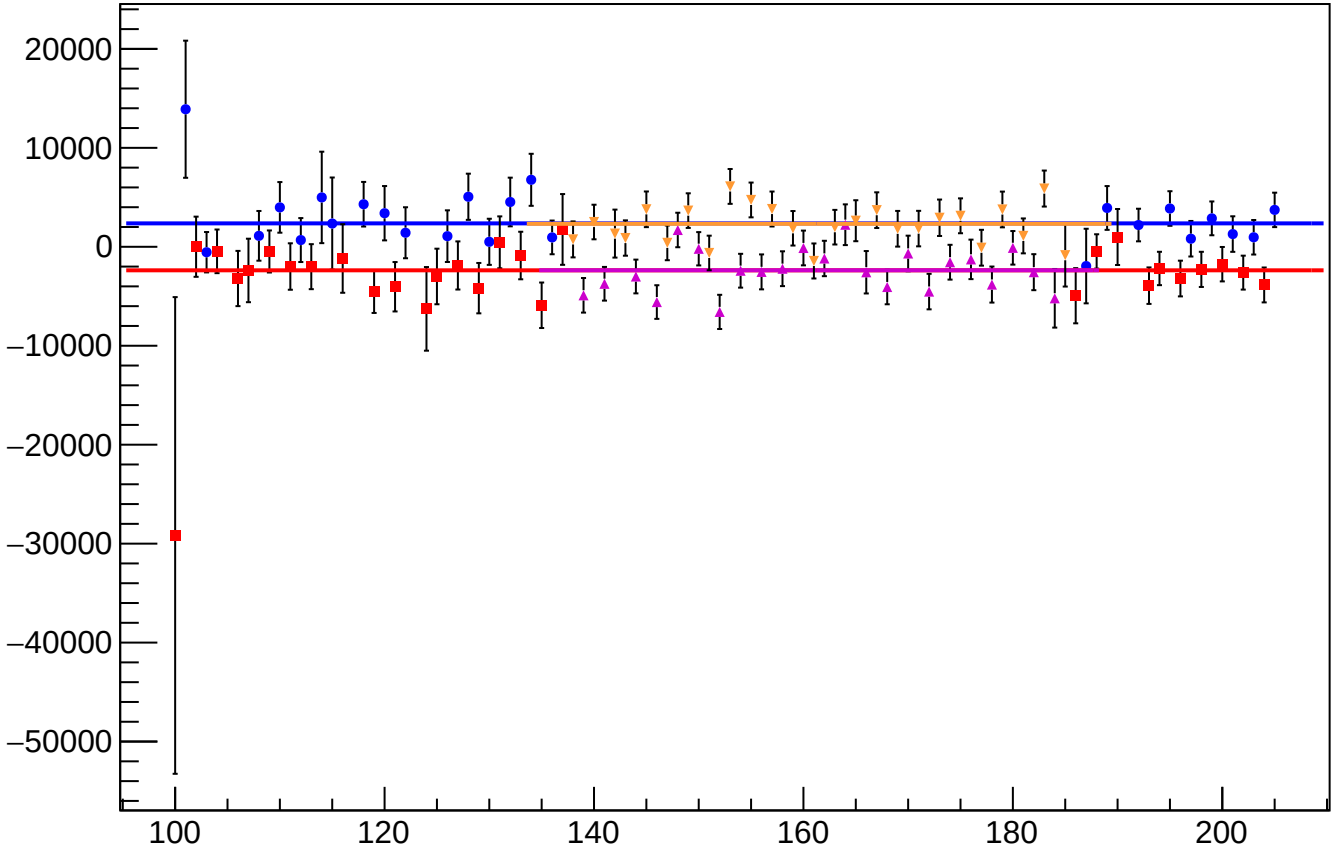
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11647228.5/48

All: 0.000+/-0.000 χ^2/NDF: 22670811.3/100

- sign 0.000+/-0.000 χ^2/NDF: 11010506.6/51

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2367.141+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2376.988+/-424.772 χ^2/NDF: 17.1/28

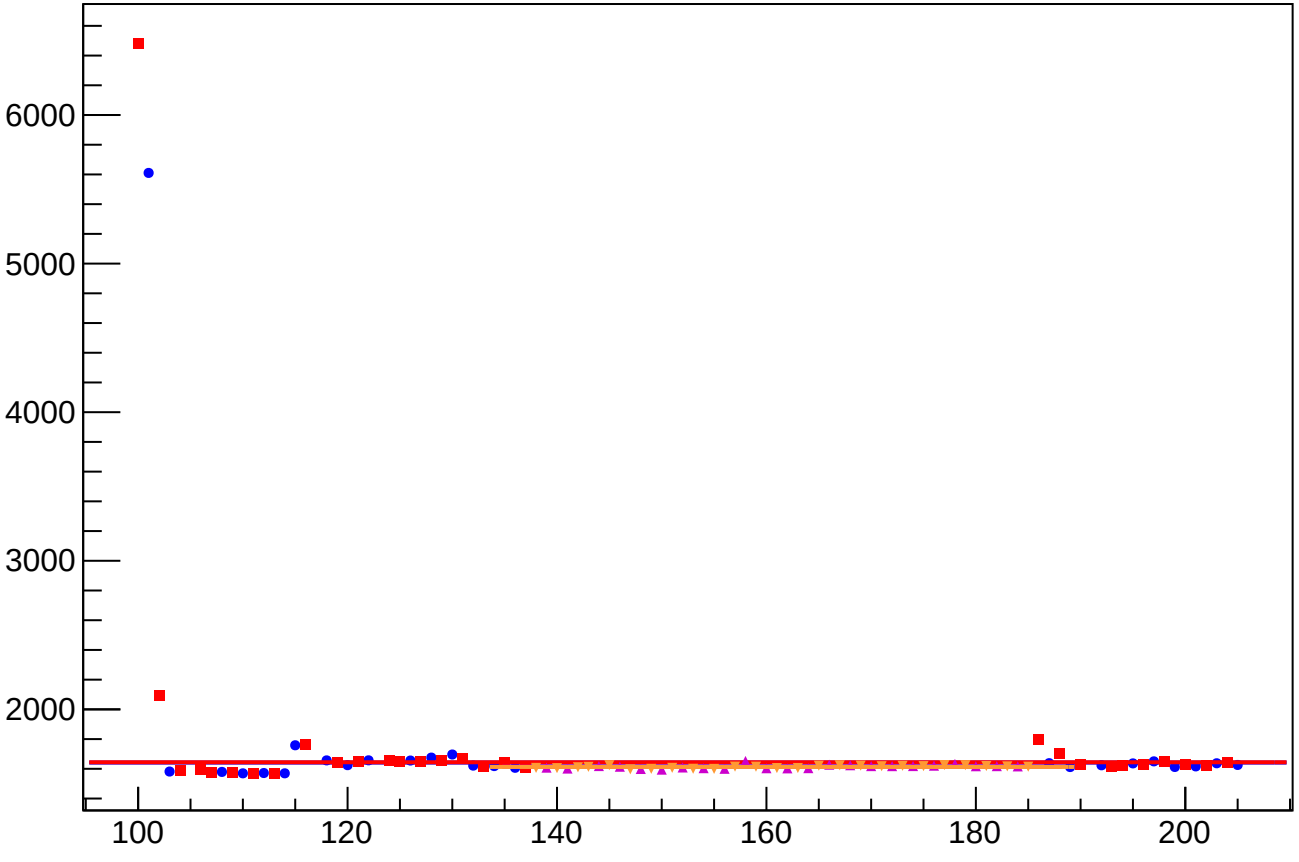
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.807+/-282.139 χ^2/NDF: 46.4/49

All: -18.987+/-199.410 χ^2/NDF: 236.9/101

- sign -2373.429+/-281.878 χ^2/NDF: 50.9/51

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.6/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.087+/-0.300 χ^2/NDF: 146454.4/28

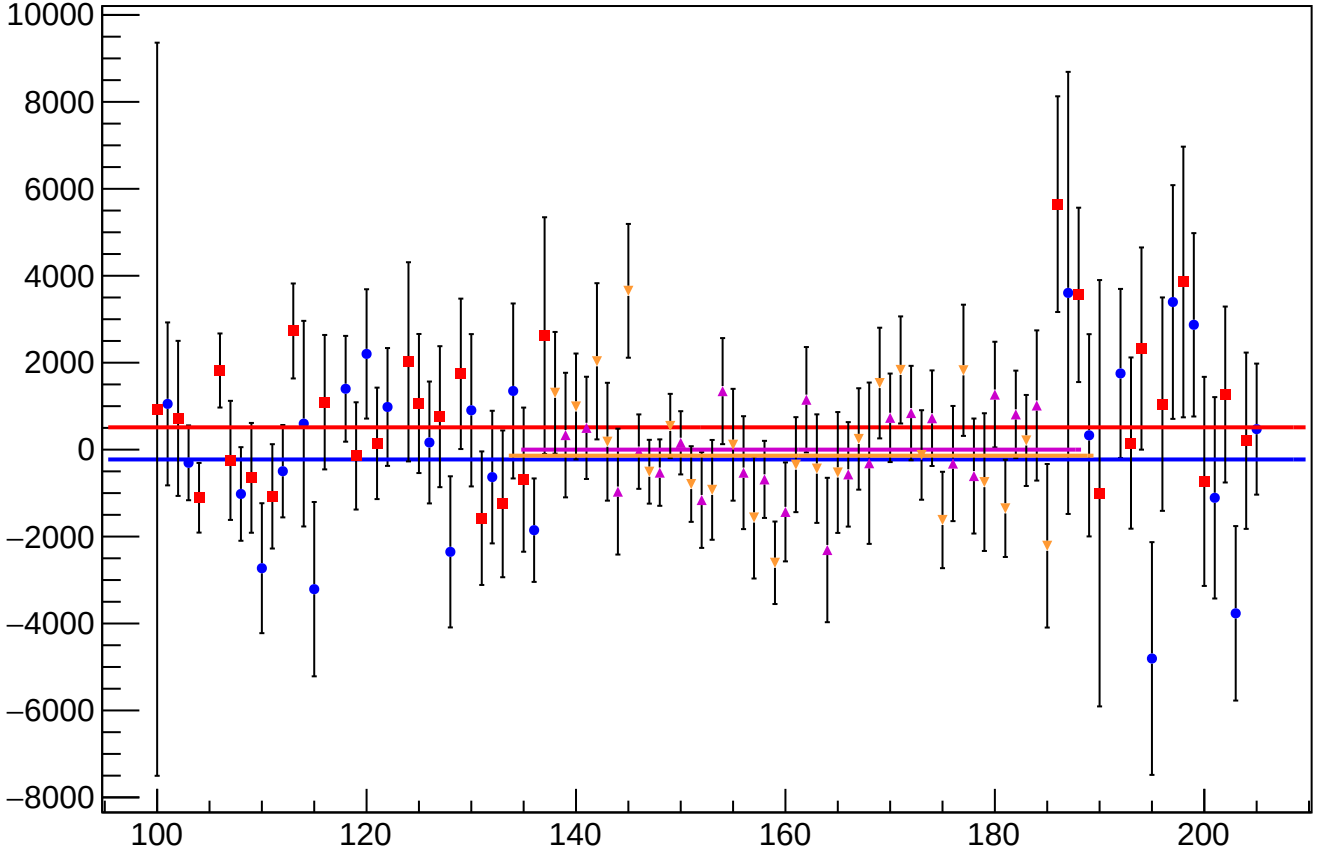
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.527+/-0.200 χ^2/NDF: 675564.3/49

All: 1625.832+/-0.141 χ^2/NDF: 830151.5/101

- sign 1627.133+/-0.199 χ^2/NDF: 154501.9/51

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -226.075+/-310.931 χ^2/NDF: 28.0/24

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 513.150+/-288.274 χ^2/NDF: 28.1/28

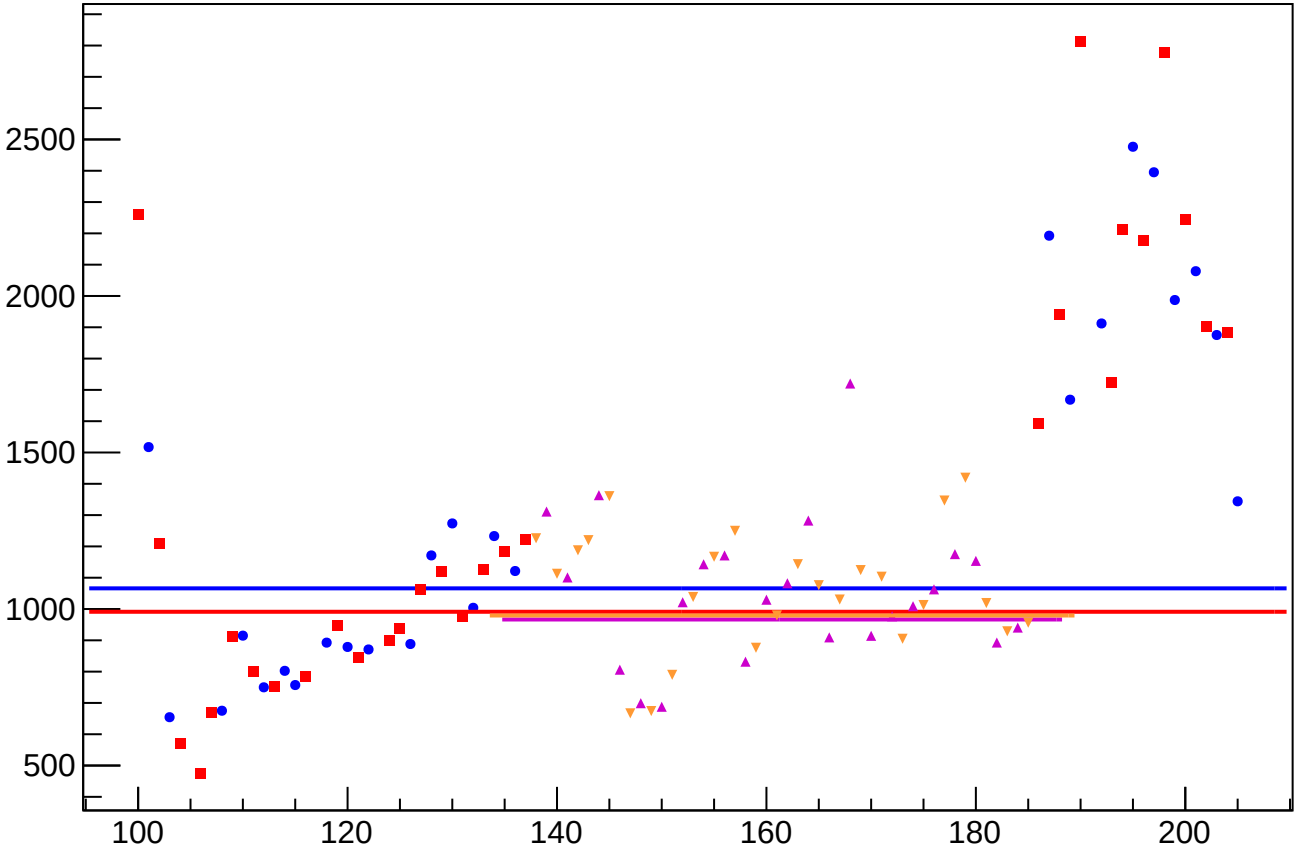
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -169.658+/-184.454 χ^2/NDF: 58.2/49

All: 19.829+/-129.078 χ^2/NDF: 103.2/101

- sign 201.667+/-180.693 χ^2/NDF: 42.9/51

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1066.025+/-0.220 χ^2/NDF: 4122022.1/24

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 991.202+/-0.204 χ^2/NDF: 5896531.8/28

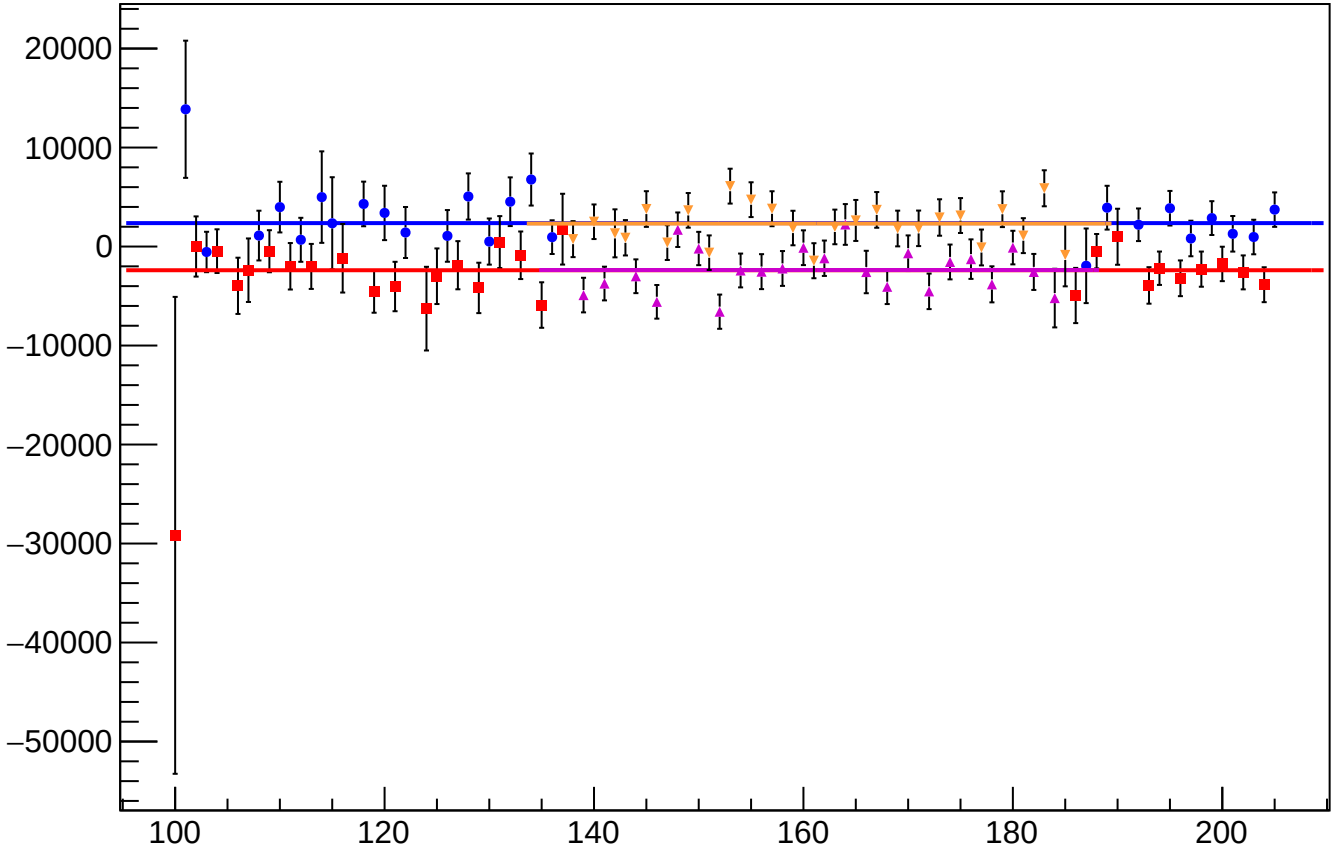
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1009.817+/-0.130 χ^2/NDF: 5853493.5/49

All: 992.673+/-0.091 χ^2/NDF: 13395375.4/10

- sign 976.221+/-0.128 χ^2/NDF: 7508024.6/51

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2393.516+/-424.941 χ^2/NDF: 17.3/28

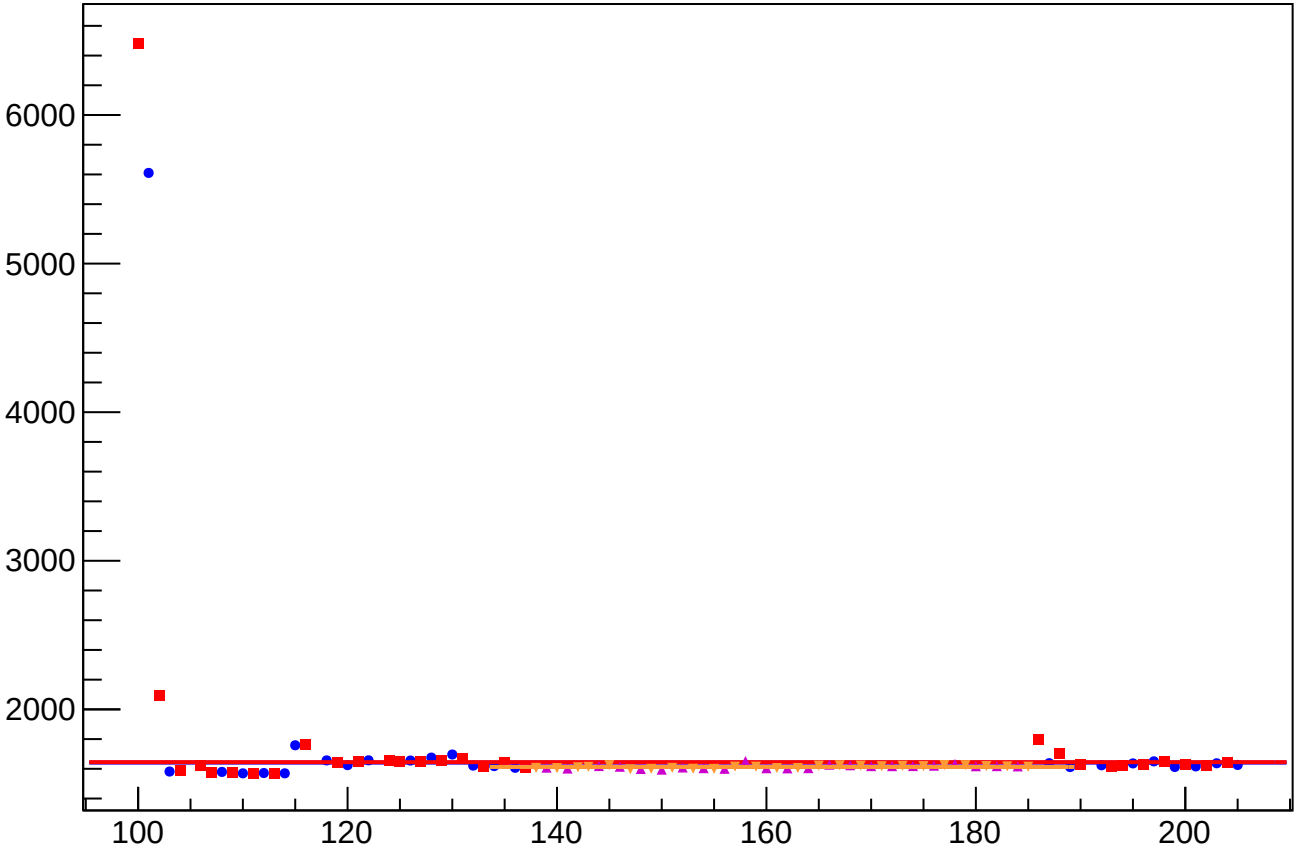
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.681+/-282.139 χ^2/NDF: 46.4/49

All: -22.296+/-199.427 χ^2/NDF: 237.5/101

- sign -2380.743+/-281.928 χ^2/NDF: 51.1/51

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

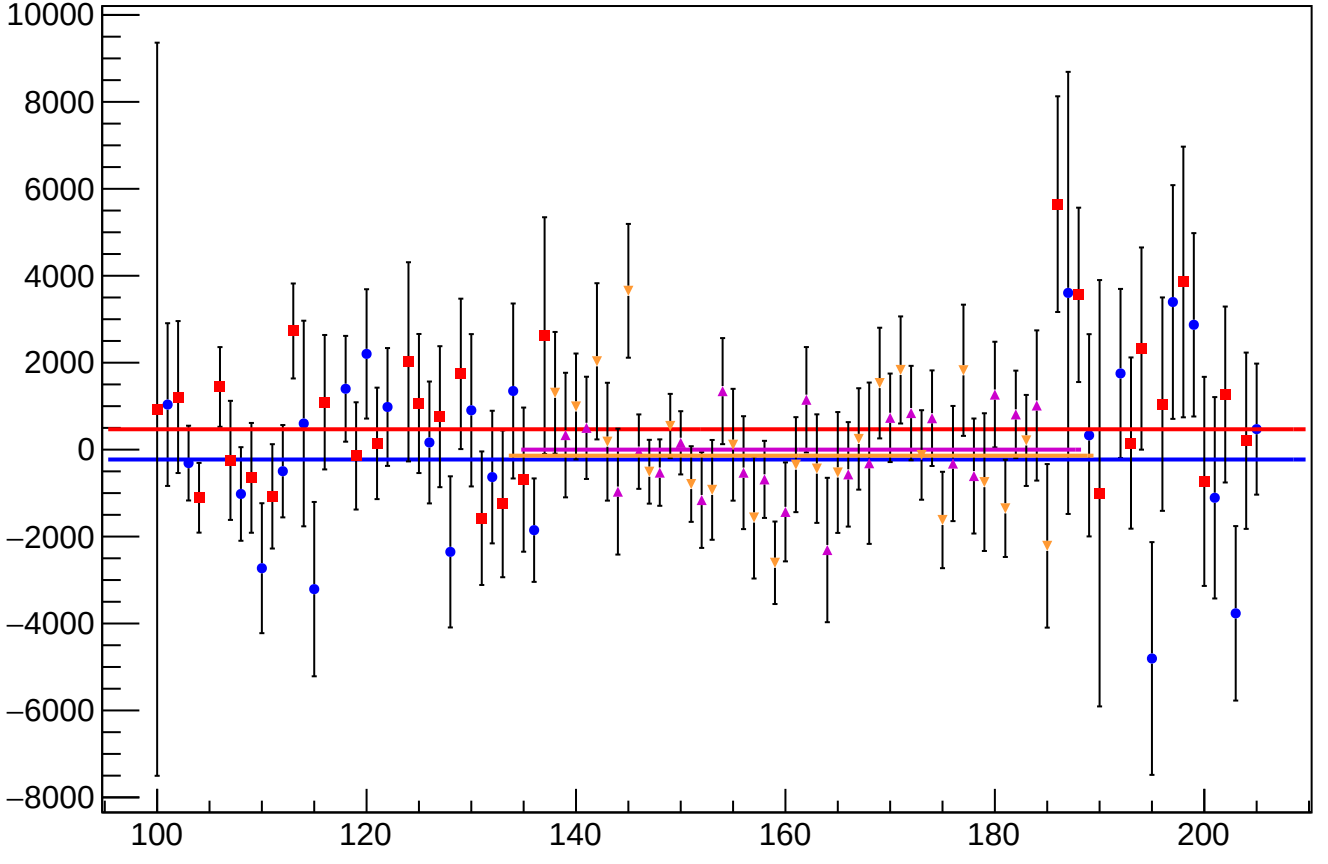
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.527+/-0.200 χ^2/NDF: 675563.8/49

All: 1625.968+/-0.141 χ^2/NDF: 829888.4/101

- sign 1627.406+/-0.199 χ^2/NDF: 154220.5/51

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 468.506+/-290.436 χ^2/NDF: 26.9/28

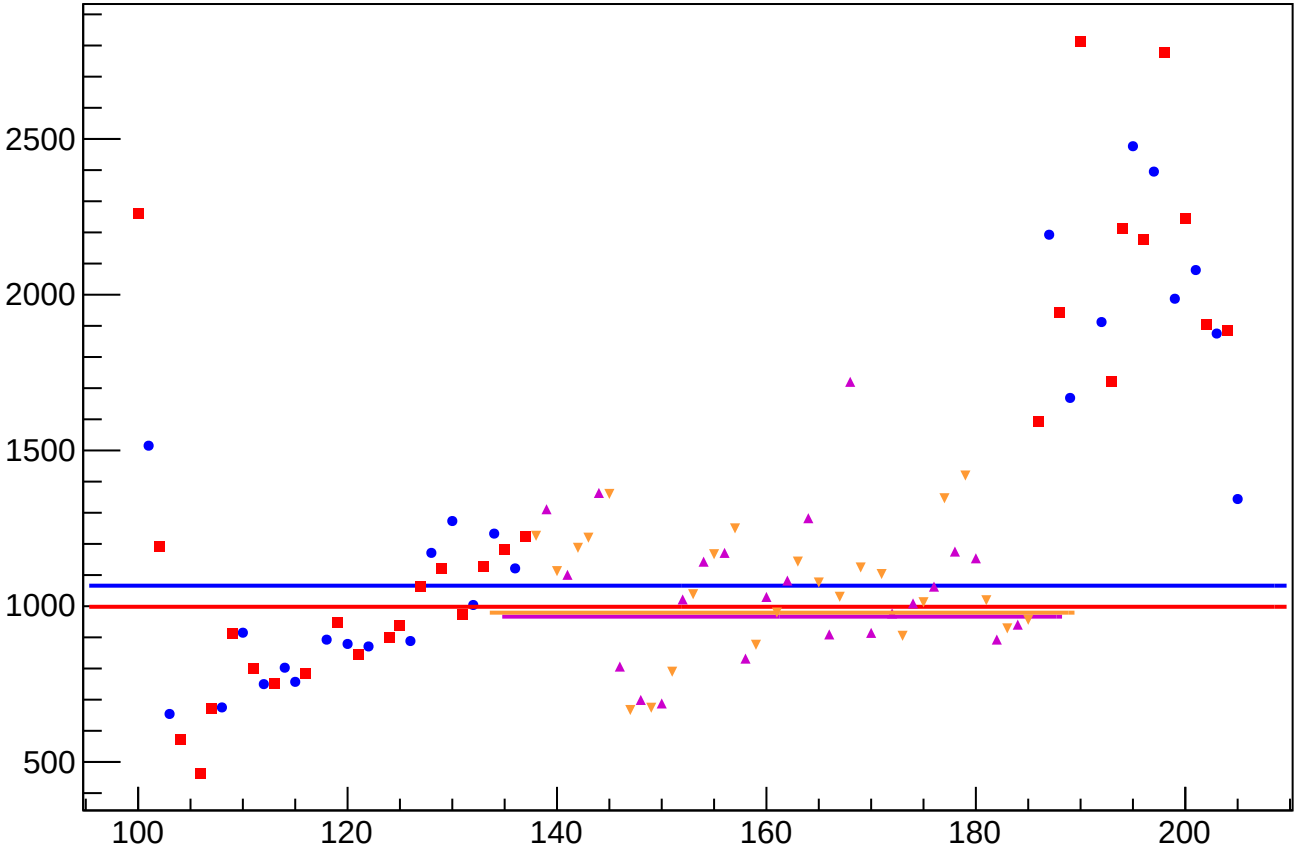
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -170.086+/-184.447 χ^2/NDF: 58.2/49

All: 9.288+/-129.268 χ^2/NDF: 101.4/101

- sign 182.446+/-181.222 χ^2/NDF: 41.3/51

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

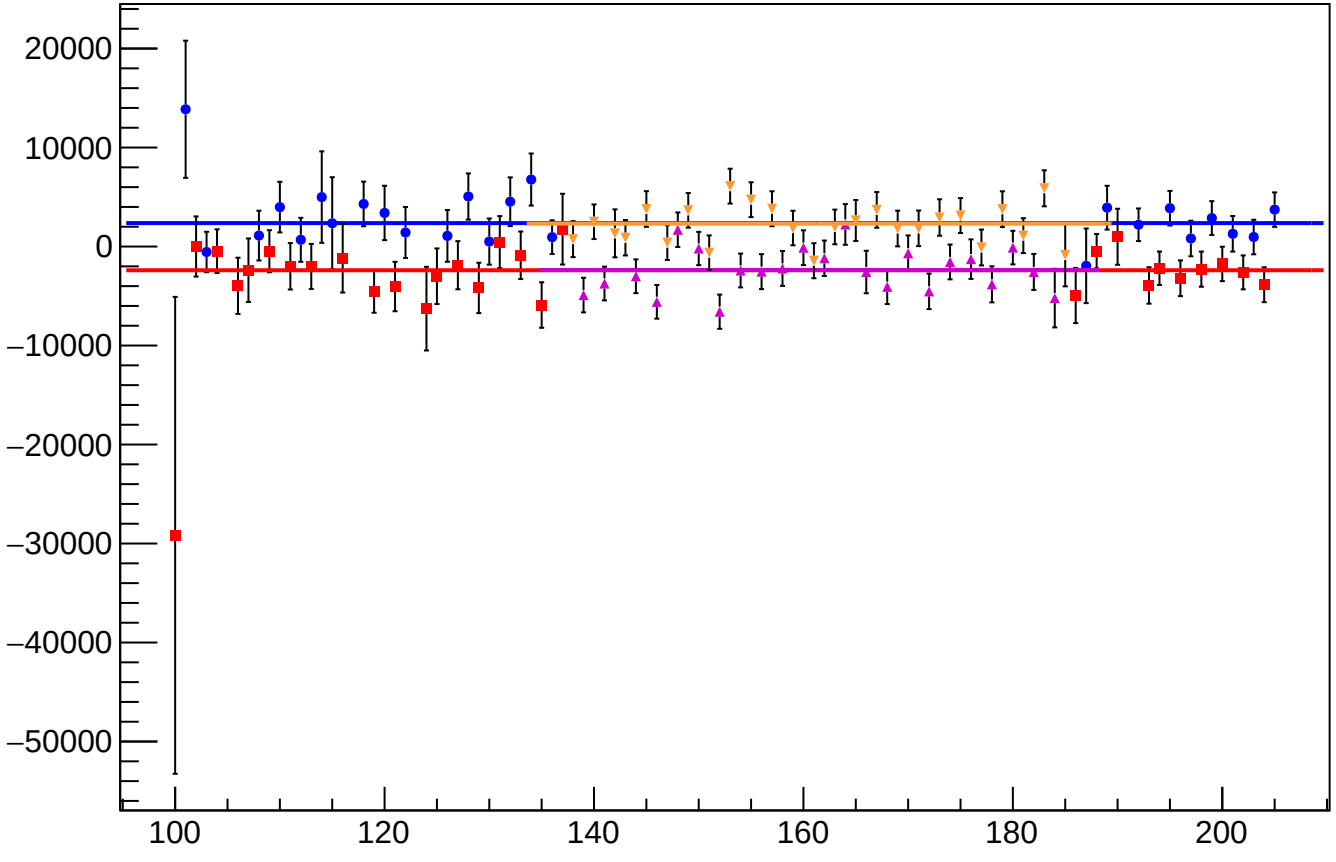
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1009.775+/-0.130 χ^2/NDF: 5853863.9/49

All: 994.041+/-0.091 χ^2/NDF: 13316102.2/10

- sign 978.852+/-0.128 χ^2/NDF: 7433635.4/51

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2393.516+/-424.941 χ^2/NDF: 17.3/28

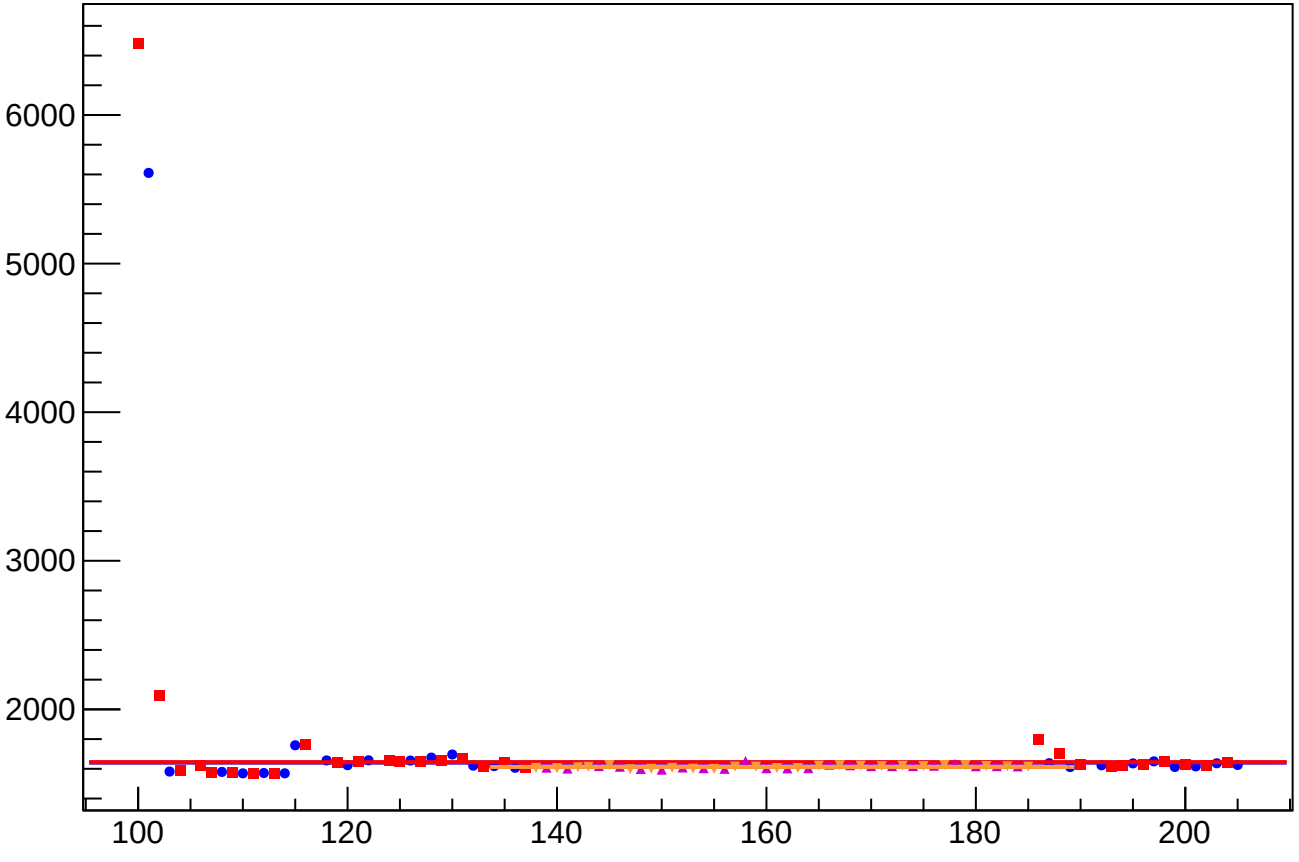
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.681+/-282.139 χ^2/NDF: 46.4/49

All: -22.296+/-199.427 χ^2/NDF: 237.5/101

- sign -2380.743+/-281.928 χ^2/NDF: 51.1/51

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

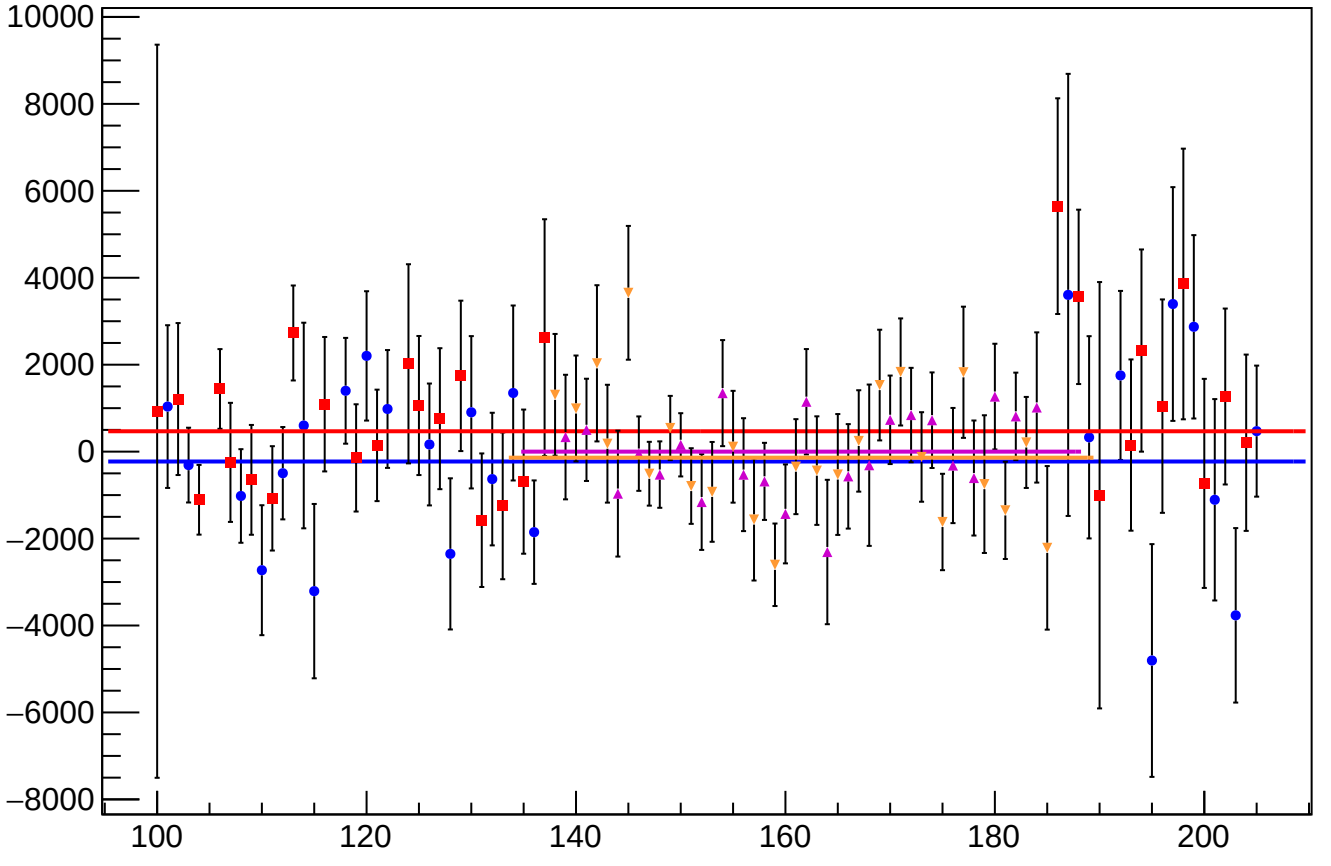
Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.527+/-0.200 χ^2/NDF: 675563.8/49

All: 1625.968+/-0.141 χ^2/NDF: 829888.4/101

- sign 1627.406+/-0.199 χ^2/NDF: 154220.5/51



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 468.506+/-290.436 χ^2/NDF: 26.9/28

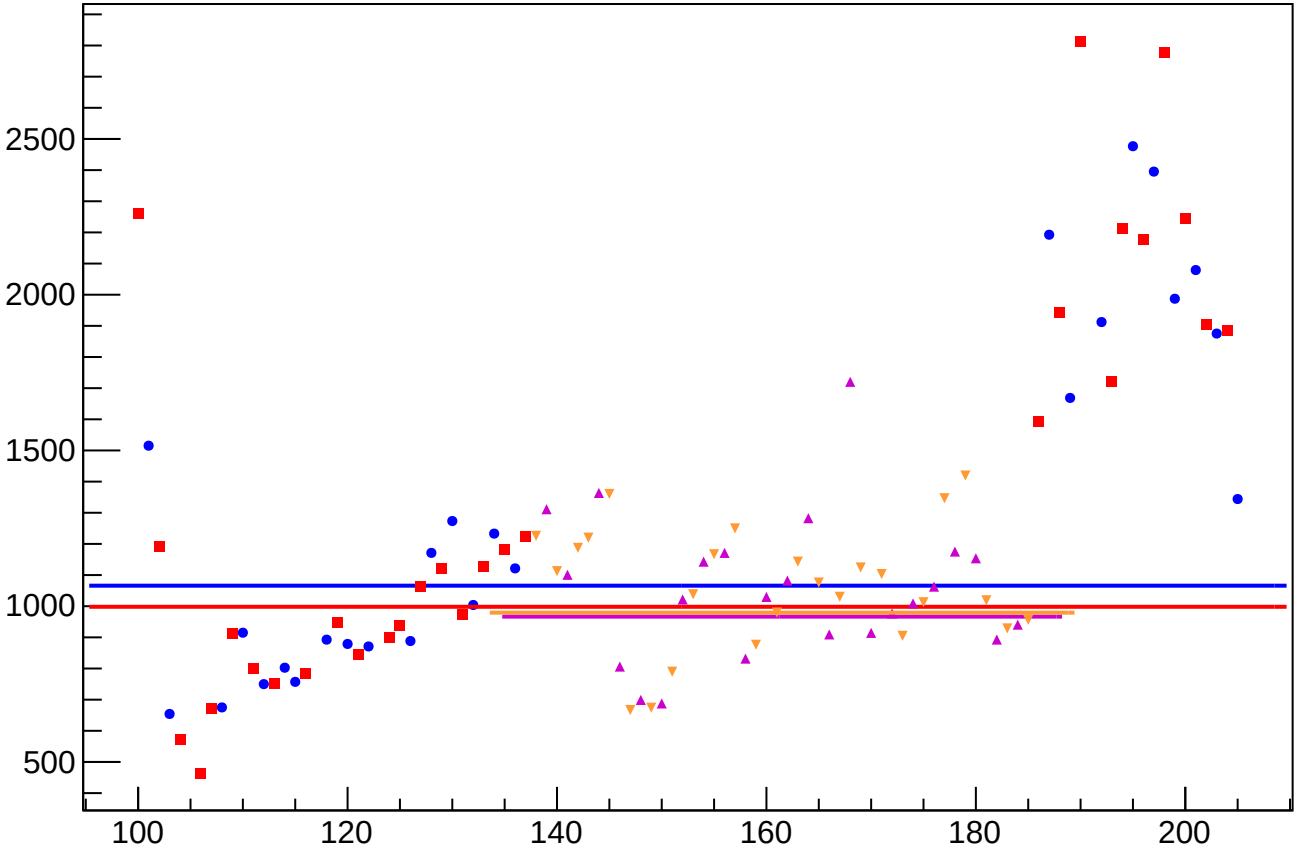
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -170.086+/-184.447 χ^2/NDF: 58.2/49

All: 9.288+/-129.268 χ^2/NDF: 101.4/101

\- sign 182.446+/-181.222 χ^2/NDF: 41.3/51

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

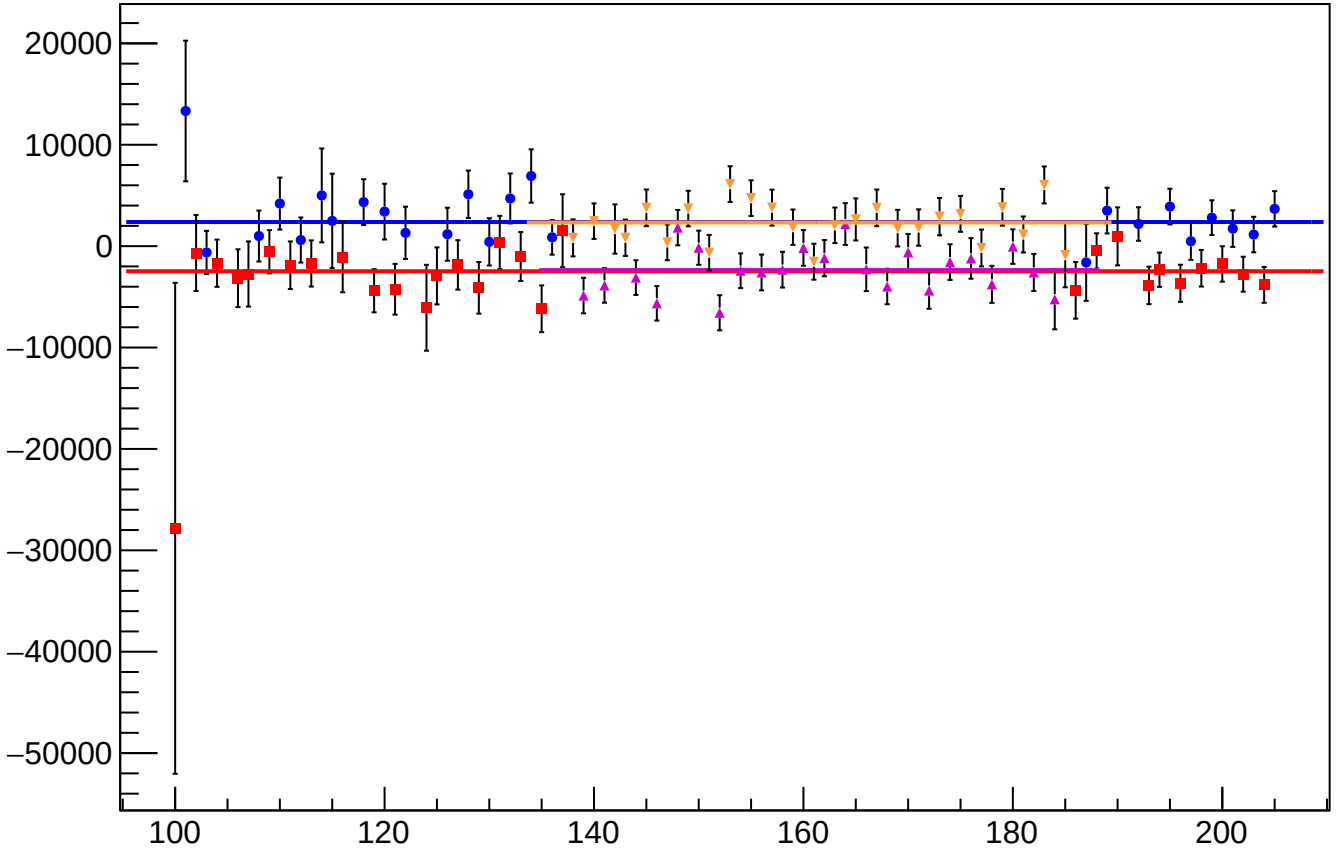
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1009.775+/-0.130 χ^2/NDF: 5853863.9/49

All: 994.041+/-0.091 χ^2/NDF: 13316102.2/10

- sign 978.852+/-0.128 χ^2/NDF: 7433635.4/51

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2476.176+/-429.046 χ^2/NDF: 15.6/28

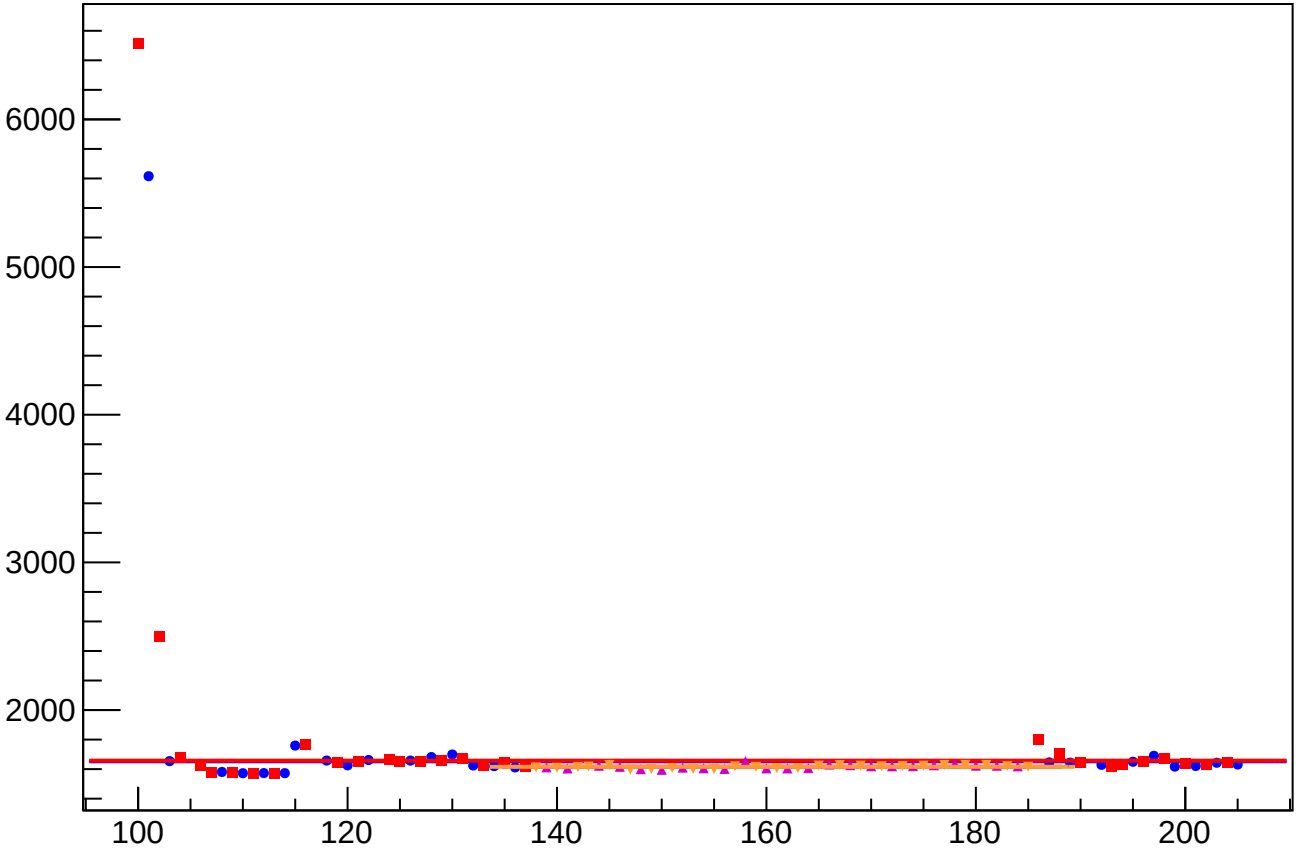
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.612+/-283.231 χ^2/NDF: 46.9/49

All: -27.427+/-200.324 χ^2/NDF: 238.0/101

- sign -2410.841+/-283.372 χ^2/NDF: 49.6/51

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

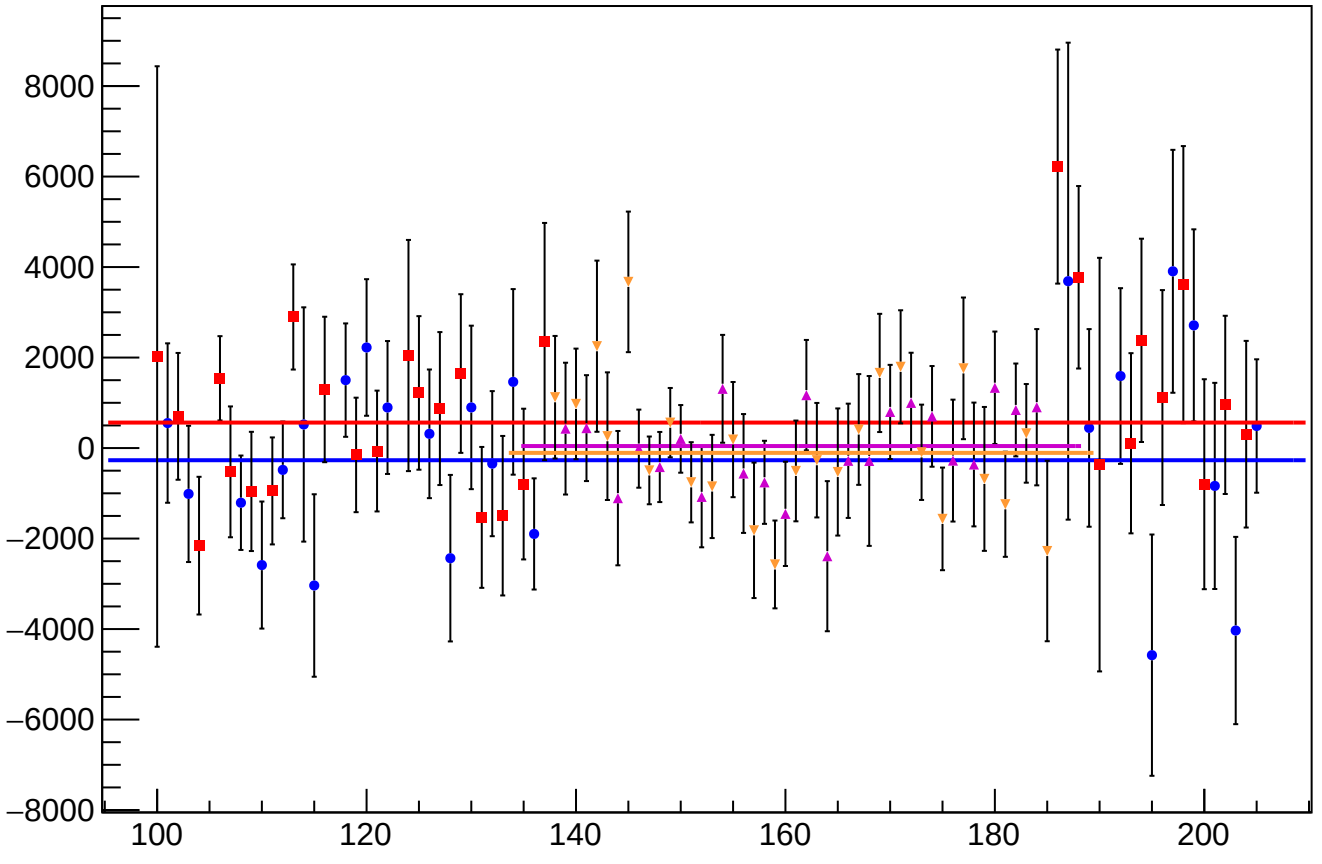
Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.2/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.729+/-0.200 χ^2/NDF: 676762.5/49

All: 1632.446+/-0.142 χ^2/NDF: 892205.1/101

- sign 1634.164+/-0.200 χ^2/NDF: 215295.6/51



Right In: -268.893+/-328.172 χ^2/NDF: 28.0/24

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 563.138+/-308.965 χ^2/NDF: 27.4/28

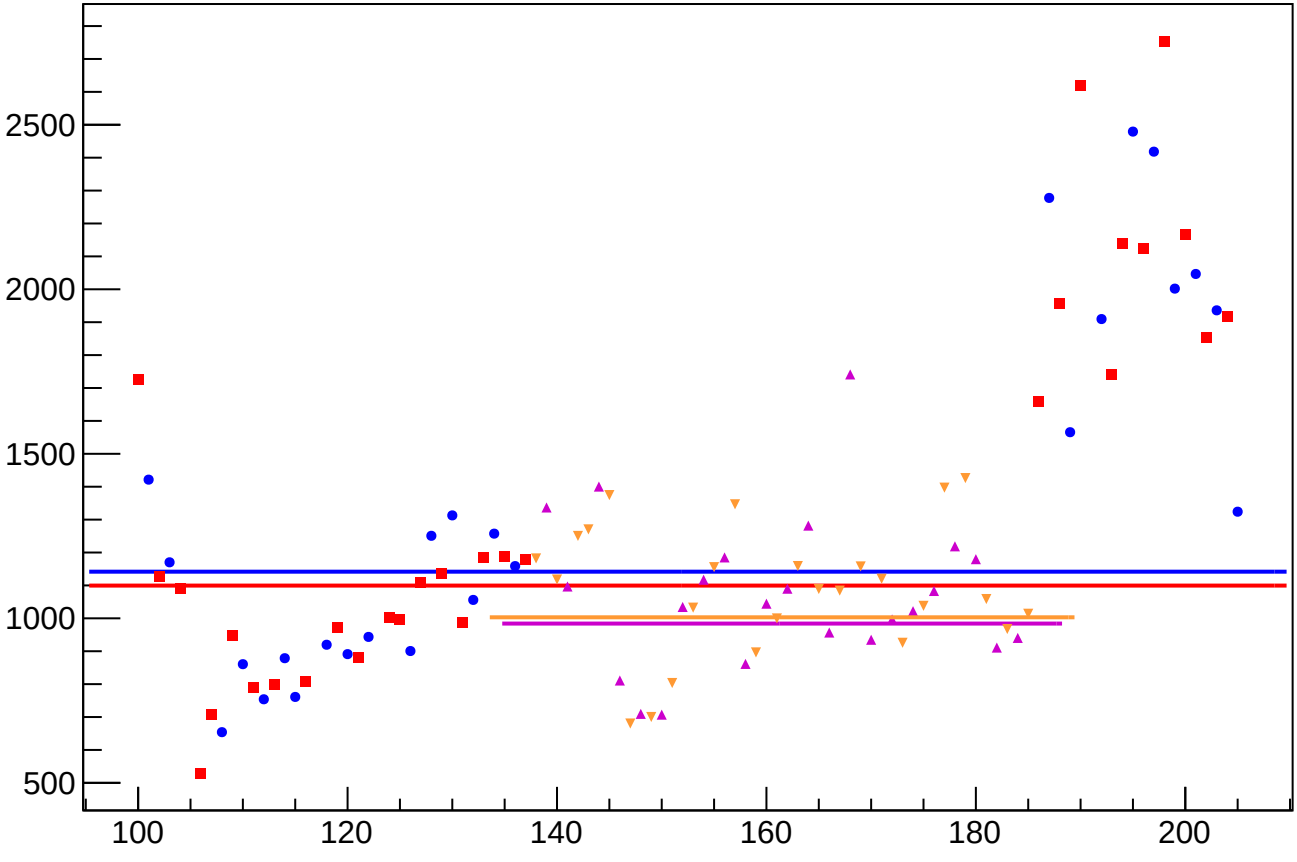
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -161.223+/-190.691 χ^2/NDF: 57.2/49

All: 40.480+/-133.665 χ^2/NDF: 101.4/101

\- sign 235.309+/-187.413 χ^2/NDF: 42.0/51

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1141.778+/-0.232 χ^2/NDF: 3579419.4/24

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1099.512+/-0.218 χ^2/NDF: 4690920.7/28

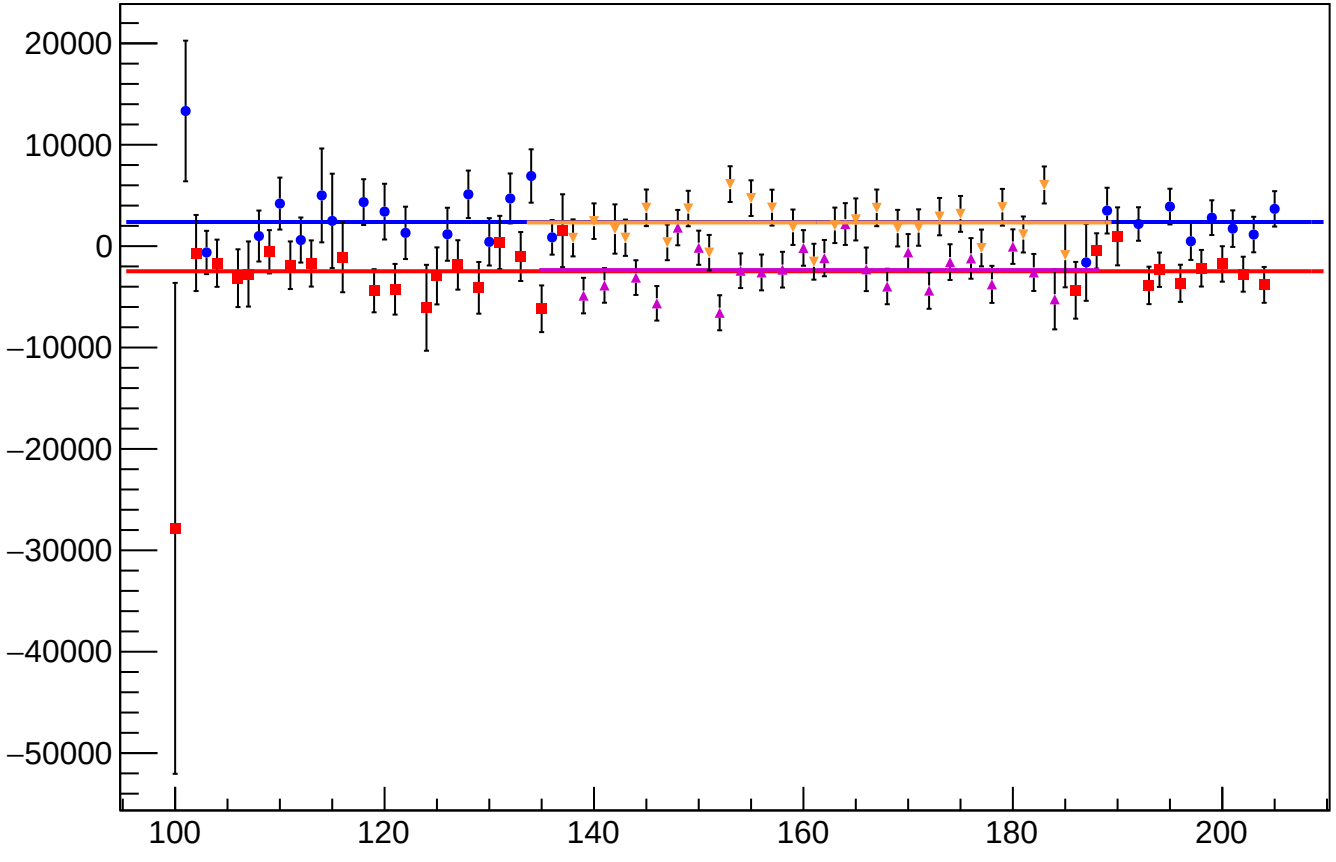
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1049.924+/-0.135 χ^2/NDF: 5414389.1/49

All: 1038.027+/-0.095 χ^2/NDF: 11856708.3/1

- sign 1026.536+/-0.133 χ^2/NDF: 6427014.8/51

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2476.174+/-429.046 χ^2/NDF: 15.6/28

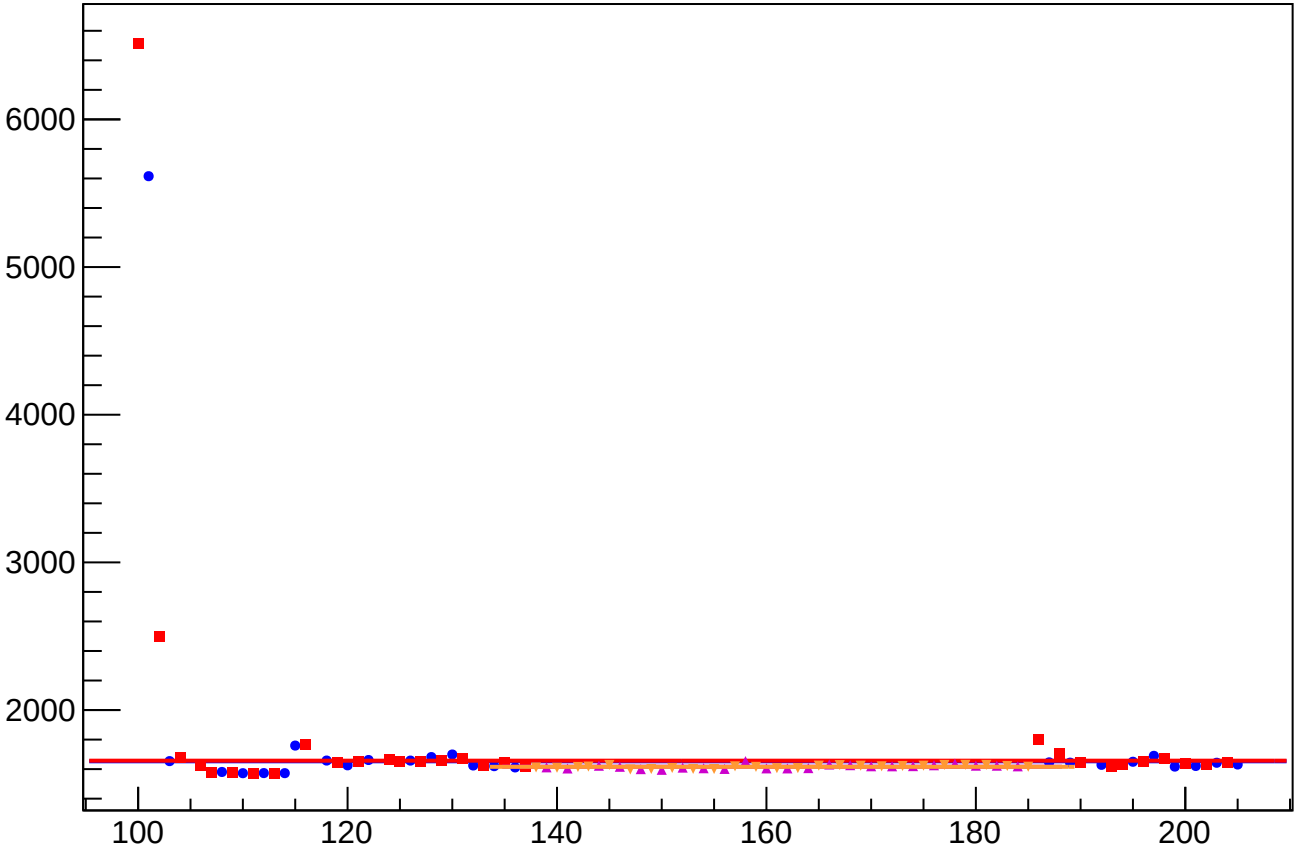
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.612+/-283.231 χ^2/NDF: 46.9/49

All: -27.426+/-200.324 χ^2/NDF: 238.0/101

- sign -2410.840+/-283.372 χ^2/NDF: 49.6/51

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

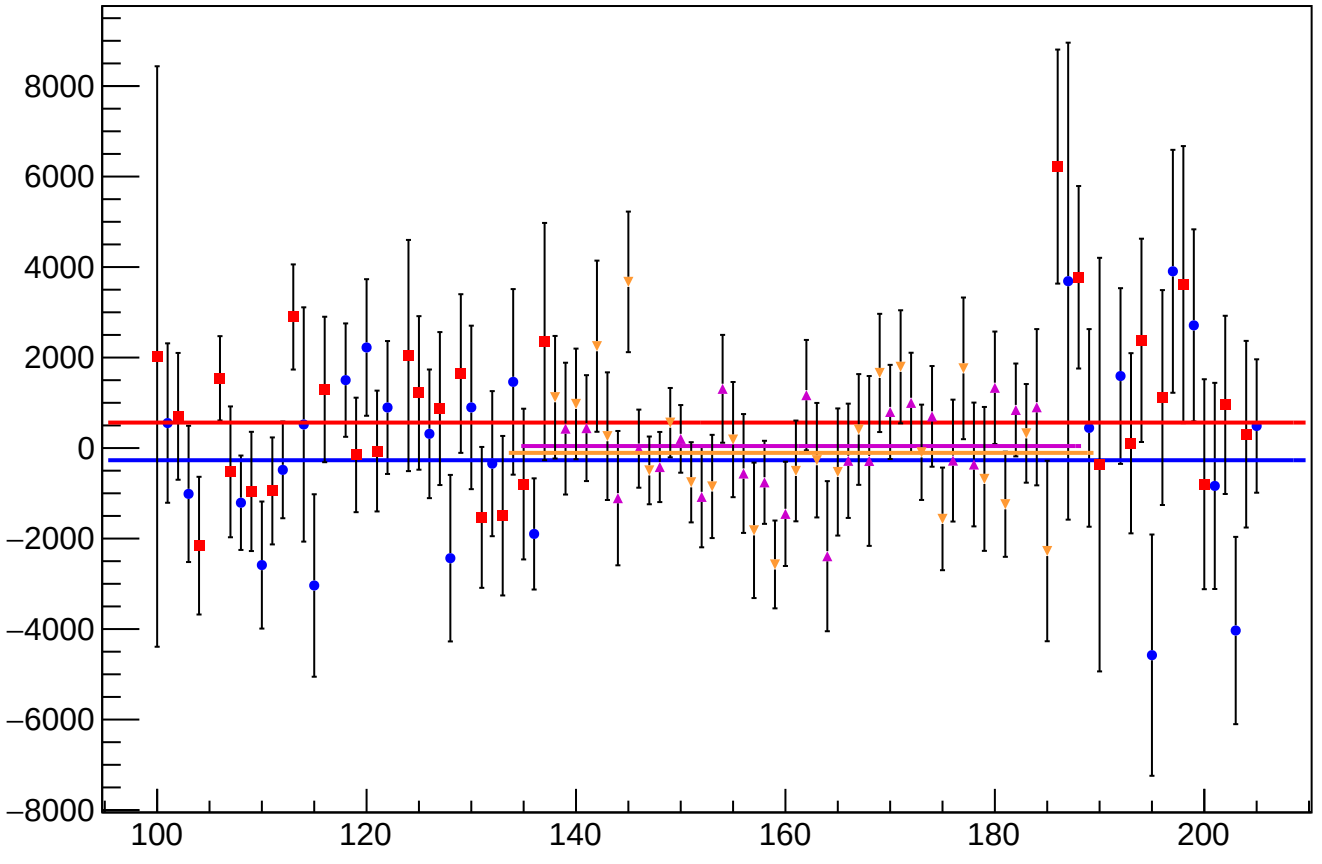
Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.1/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.729+/-0.200 χ^2/NDF: 676762.5/49

All: 1632.446+/-0.142 χ^2/NDF: 892204.8/101

- sign 1634.164+/-0.200 χ^2/NDF: 215295.4/51



Right In: -268.893+/-328.171 χ^2/NDF: 28.0/24

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

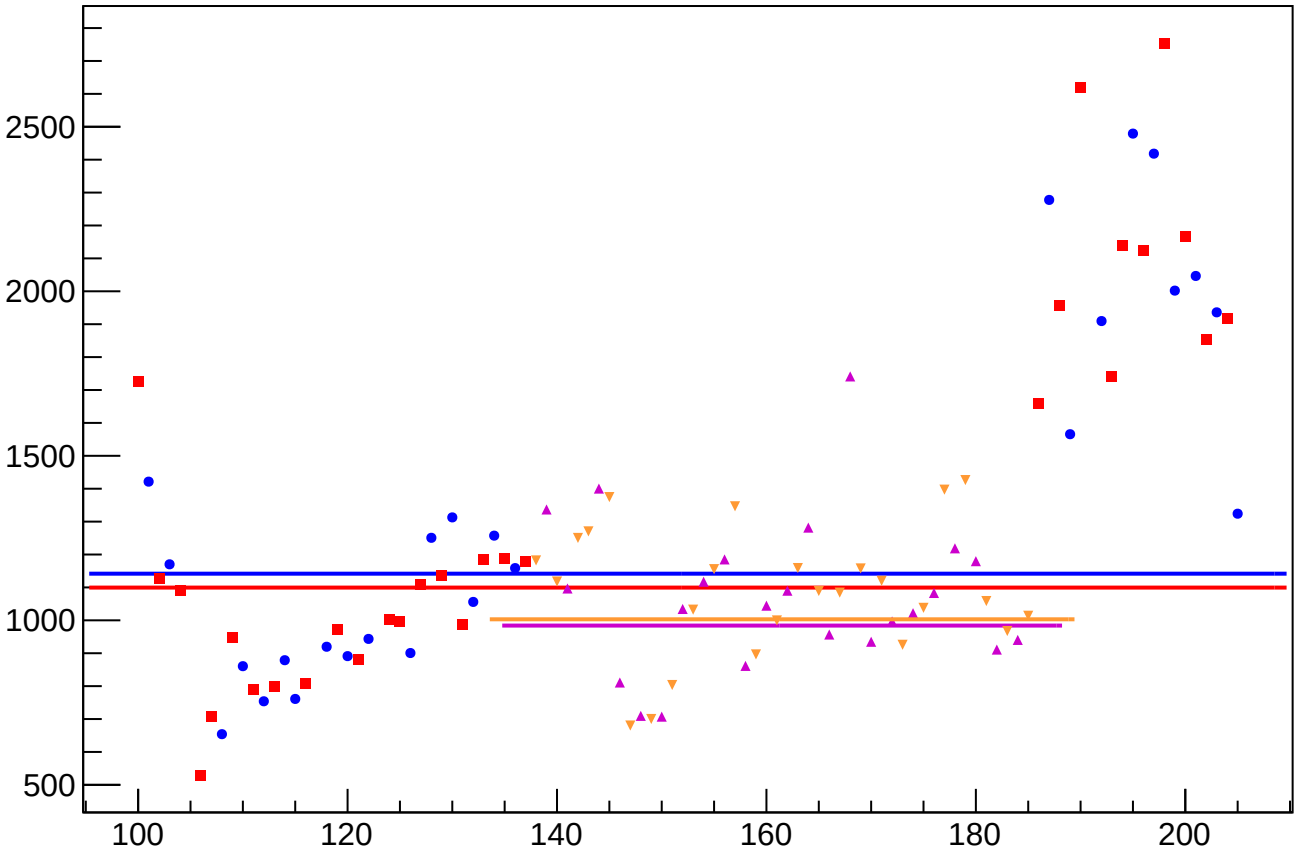
Right Out: 563.136+/-308.964 χ^2/NDF: 27.4/28

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -161.225+/-190.691 χ^2/NDF: 57.2/49

All: 40.480+/-133.665 χ^2/NDF: 101.4/101

- sign 235.309+/-187.413 χ^2/NDF: 42.0/51



Right In: 1141.774+/-0.232 χ^2/NDF: 3579462.6/24

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1099.509+/-0.218 χ^2/NDF: 4690950.7/28

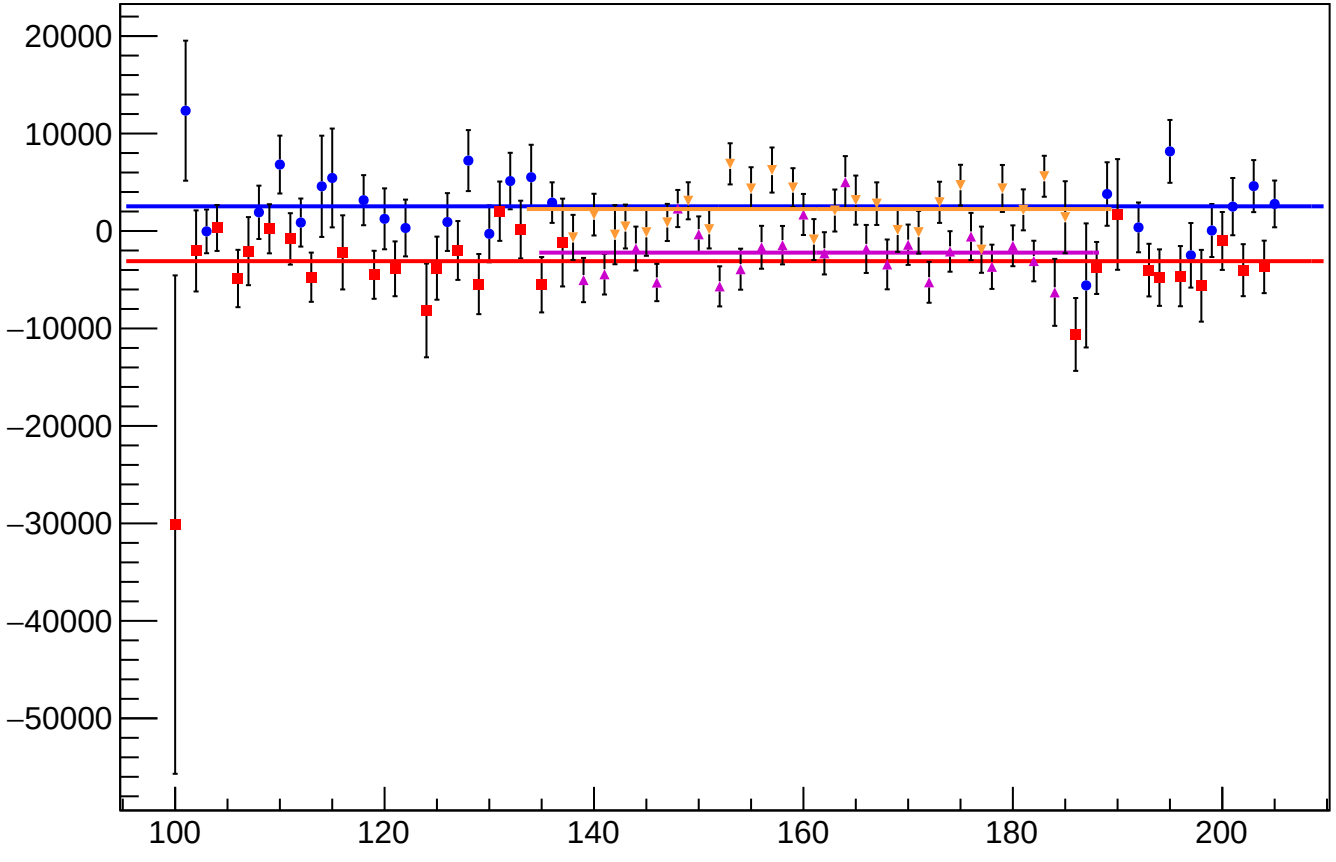
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1049.925+/-0.135 χ^2/NDF: 5414414.1/49

All: 1038.028+/-0.095 χ^2/NDF: 11856750.3/1

- sign 1026.536+/-0.133 χ^2/NDF: 6427031.9/51

asym_usr_atr1_avg_mean vs Slug



Right In: 2531.037+/-589.711 χ^2/NDF: 21.5/24

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3093.904+/-570.455 χ^2/NDF: 20.5/28

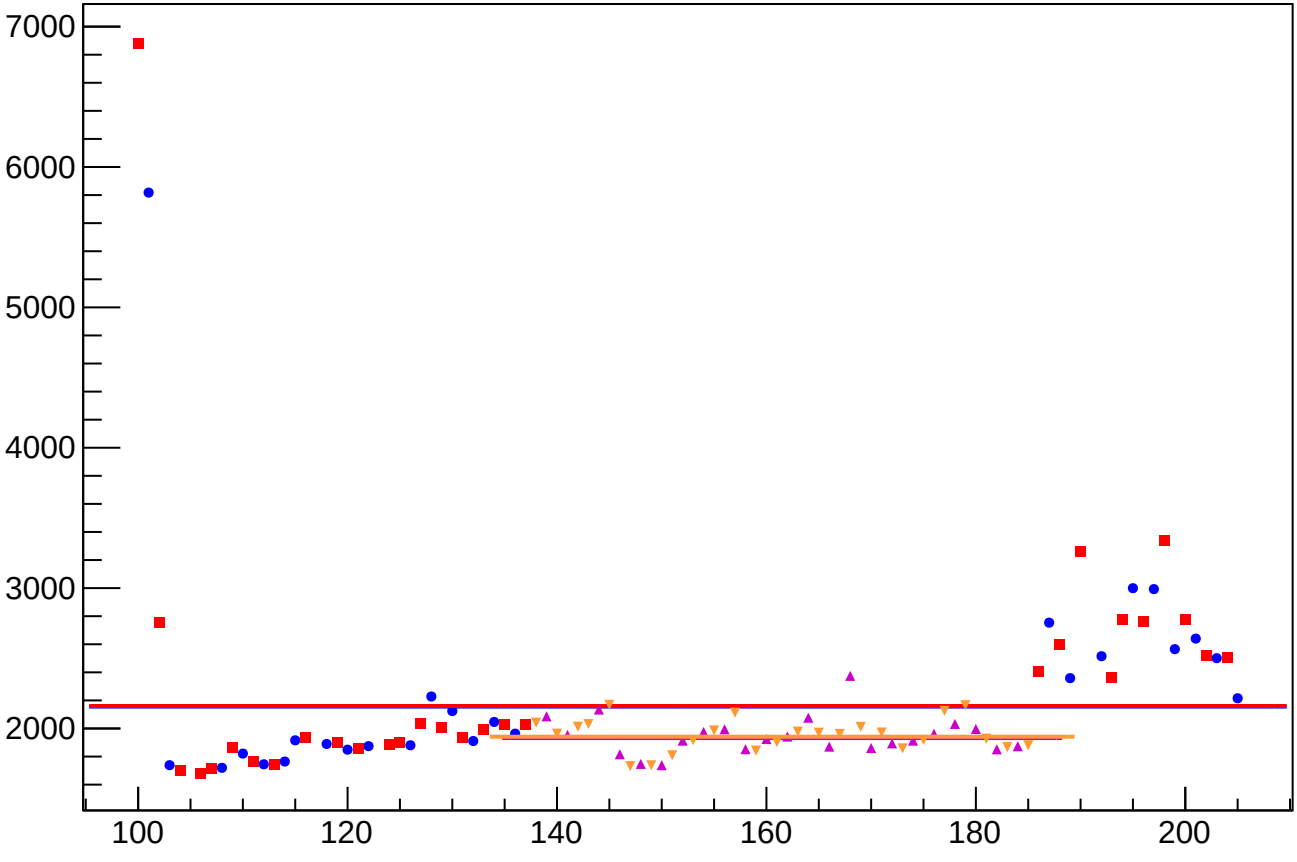
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2352.676+/-353.790 χ^2/NDF: 49.9/49

All: -97.847+/-250.386 χ^2/NDF: 199.6/101

- sign -2556.943+/-354.409 χ^2/NDF: 53.5/51

asym_usr_atr1_avg_rms vs Slug



Right In: 2156.210+/-0.417 χ^2/NDF: 1311964.8/24

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

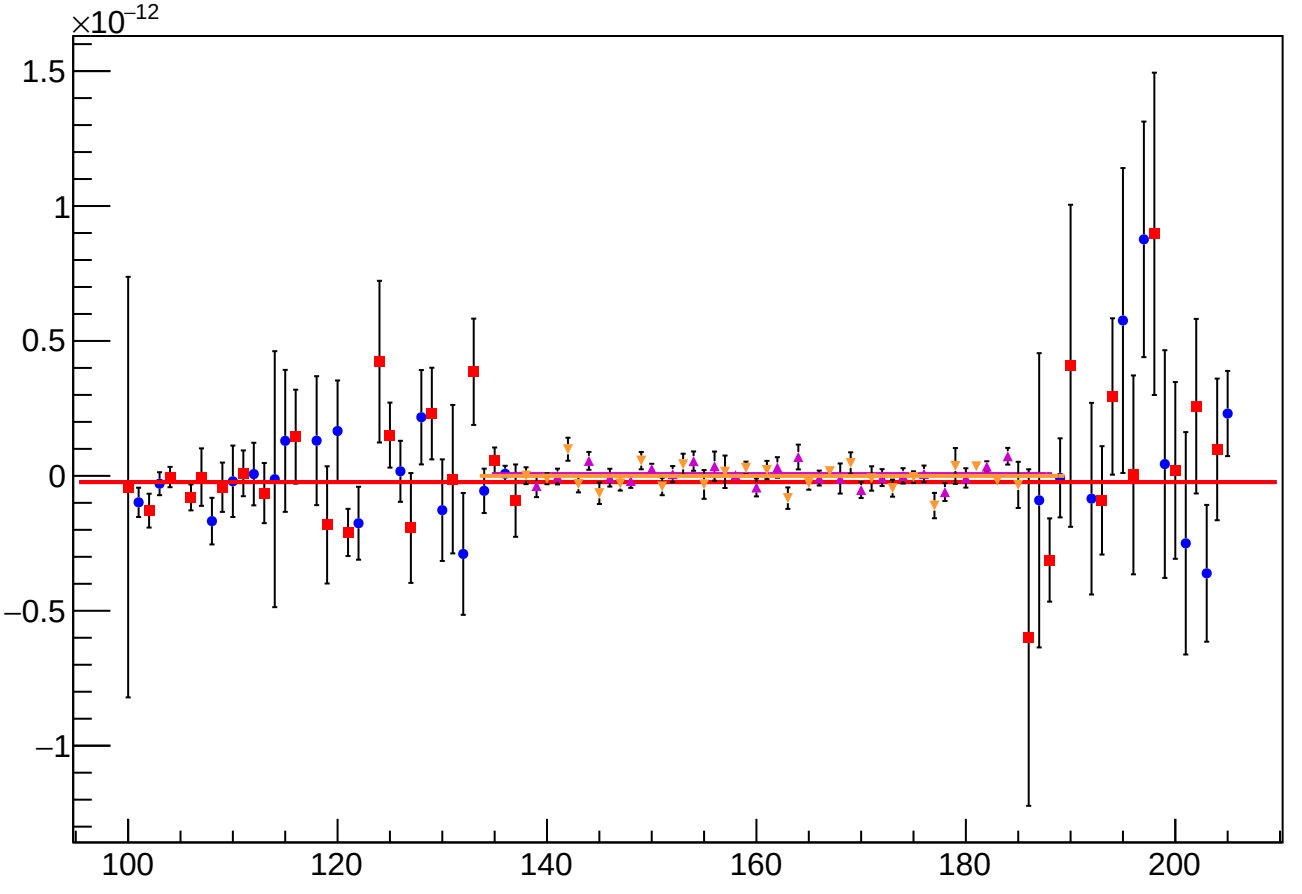
Right Out: 2160.285+/-0.403 χ^2/NDF: 1180989.6/28

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2018.833+/-0.250 χ^2/NDF: 1620546.5/49

All: 2019.415+/-0.177 χ^2/NDF: 3158411.8/10

- sign 2019.999+/-0.251 χ^2/NDF: 1537854.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

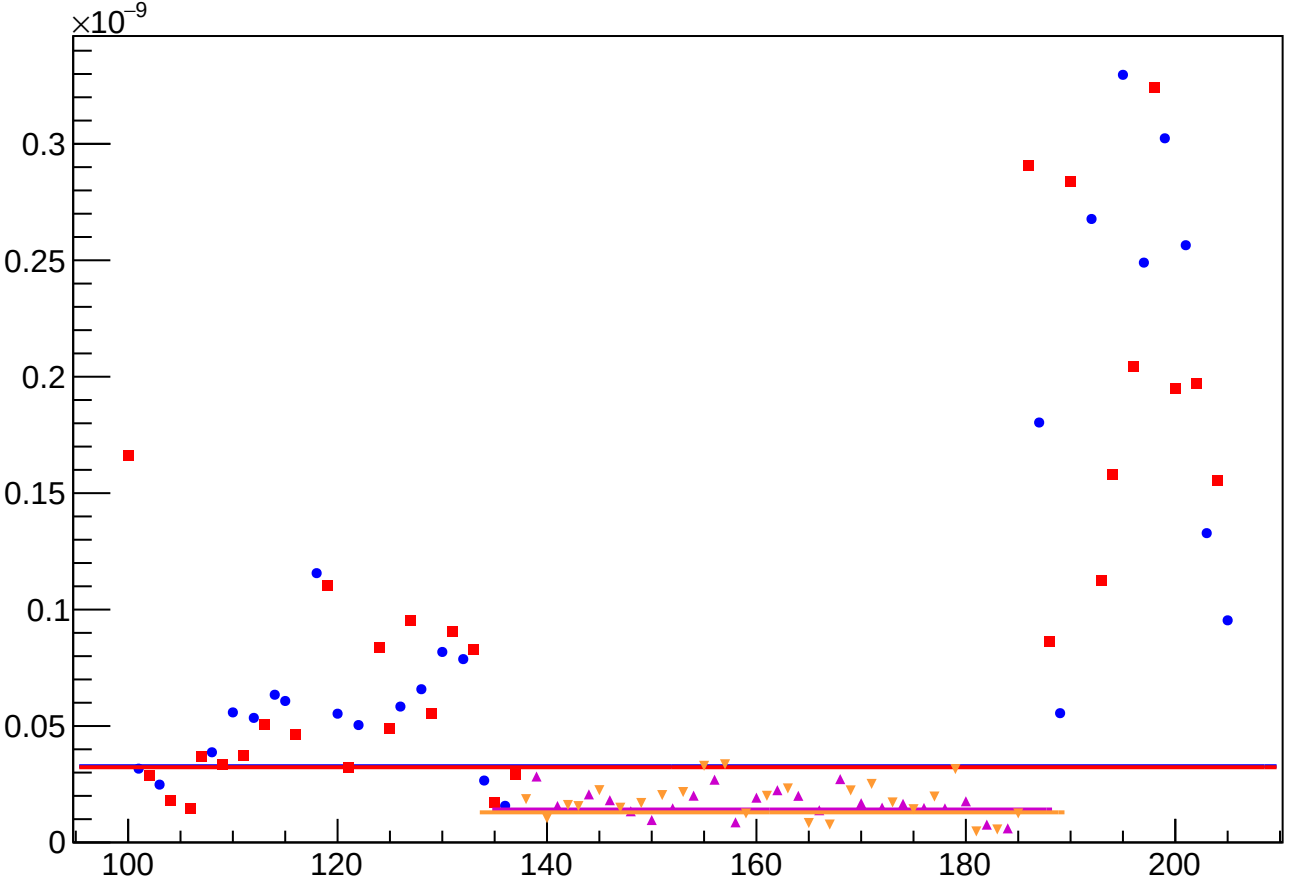
Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/49

All: 0.000+/-0.000 χ^2/NDF: 129.8/101

- sign 0.000+/-0.000 χ^2/NDF: 64.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 5749579.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5711508.6/28

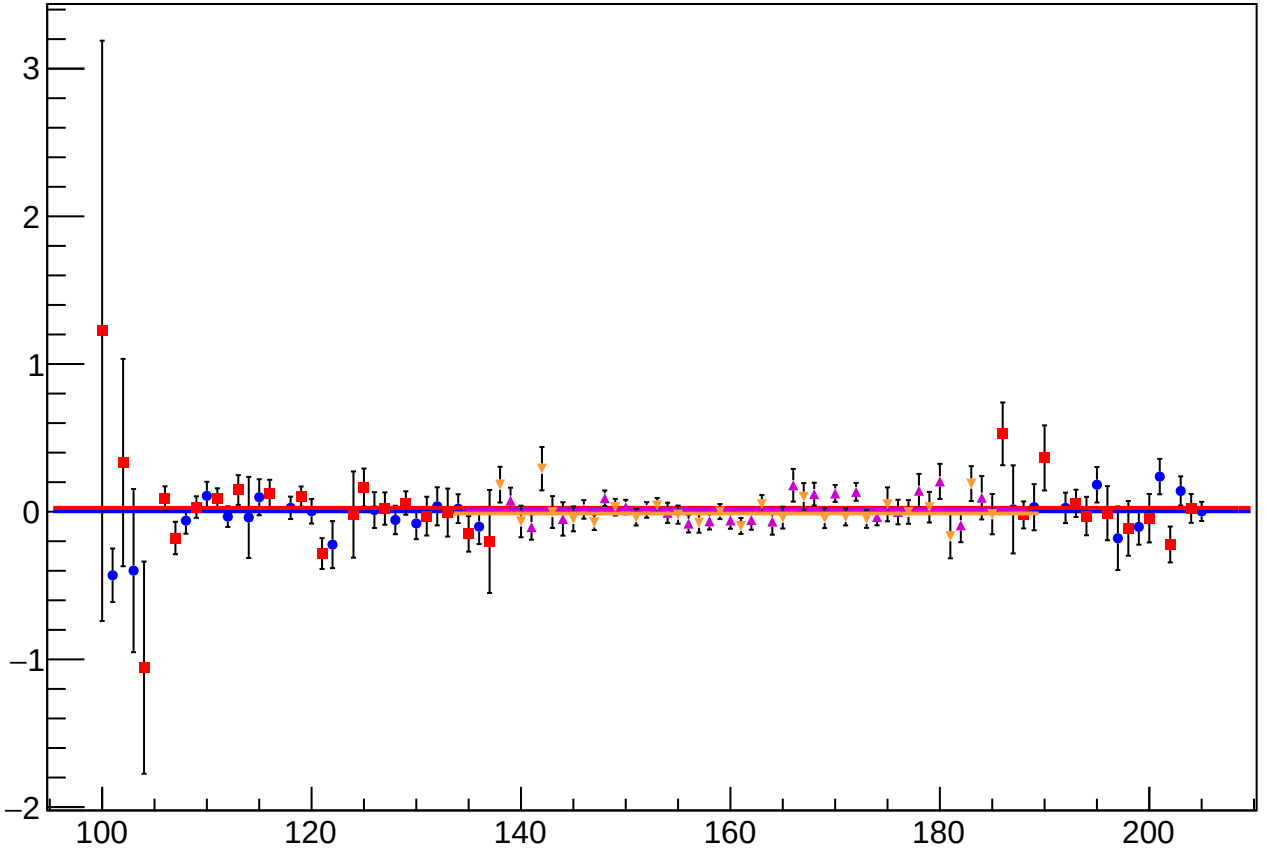
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10630390.7/49

All: 0.000+/-0.000 χ^2/NDF: 19582255.4/101

- sign 0.000+/-0.000 χ^2/NDF: 8902115.2/51

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

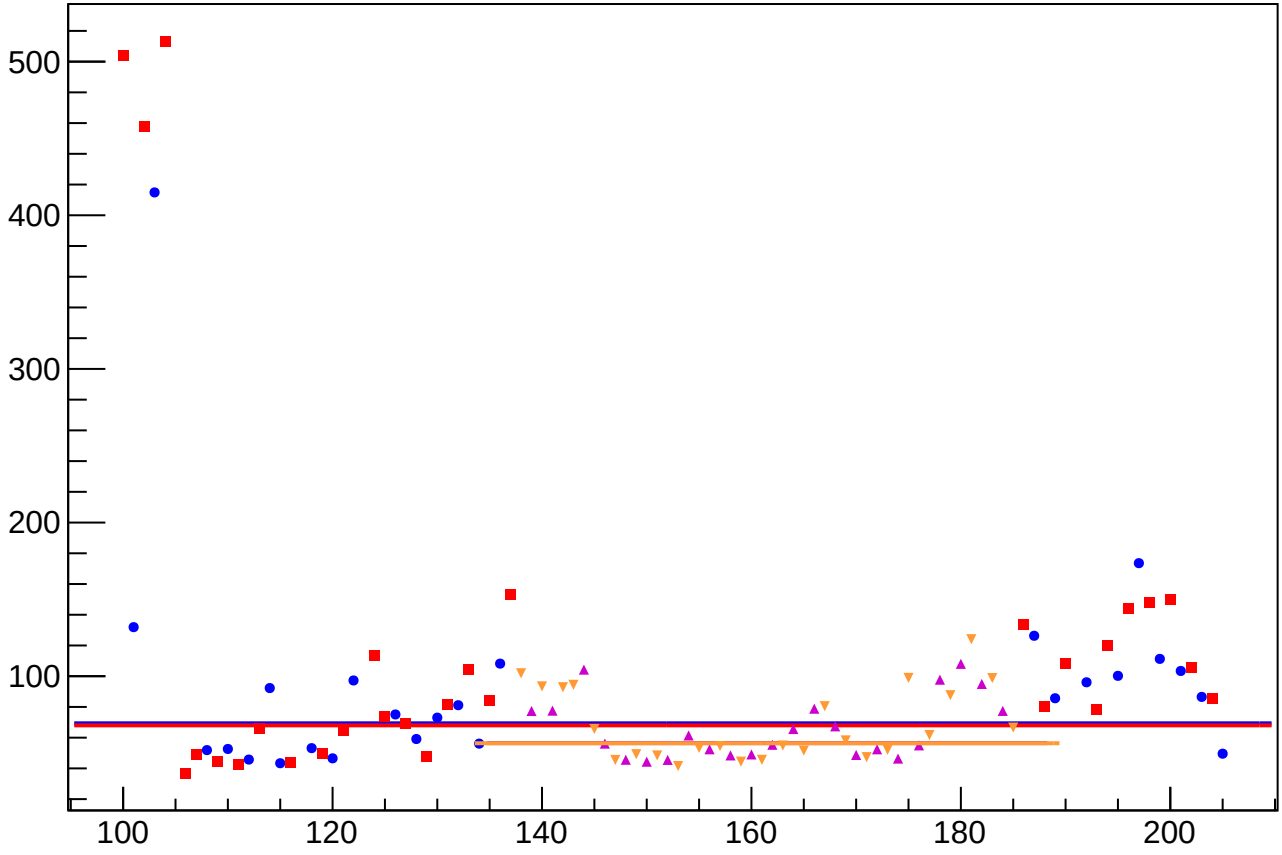
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.006+/-0.008 χ^2/NDF: 115.8/101

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

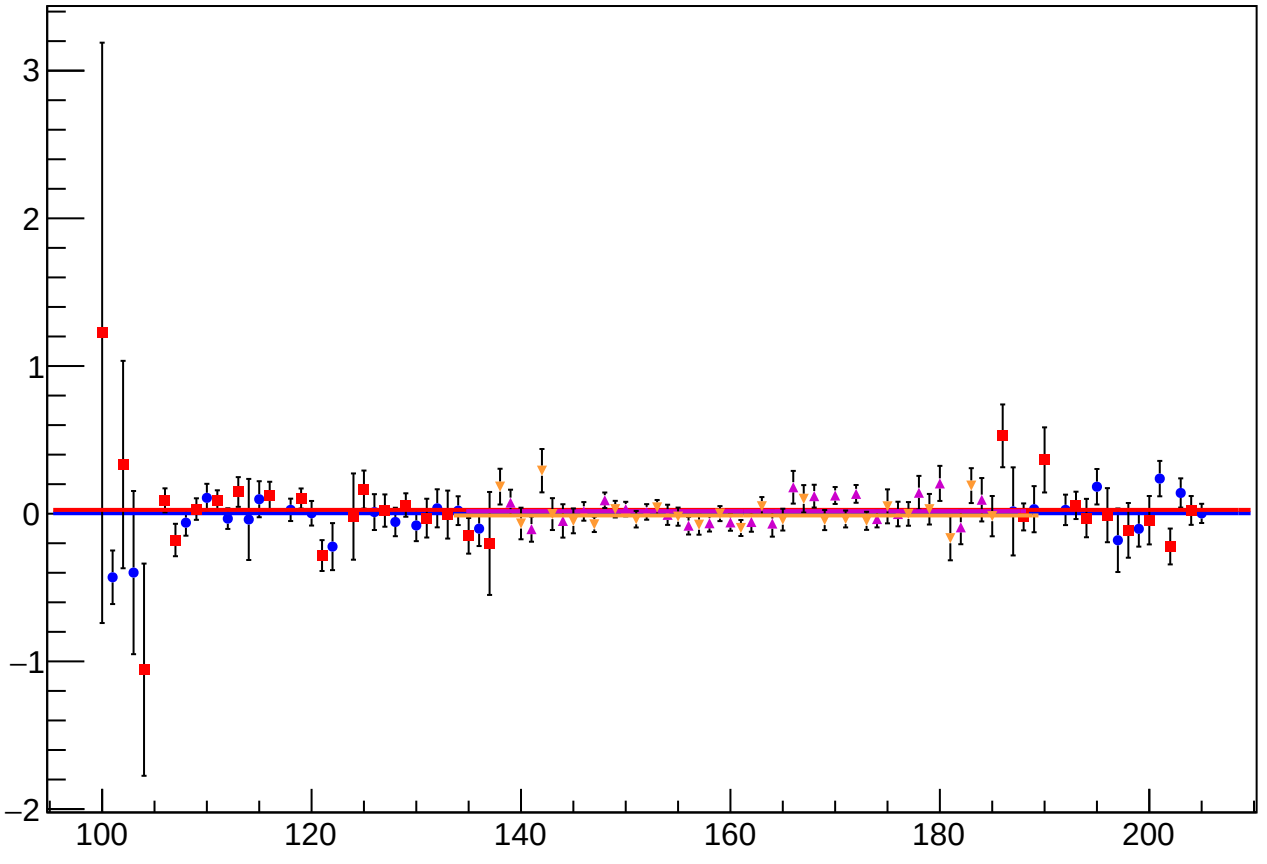
Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872386.7/49

All: 60.249+/-0.006 χ^2/NDF: 14609347.0/101

- sign 60.185+/-0.008 χ^2/NDF: 7736843.4/51



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

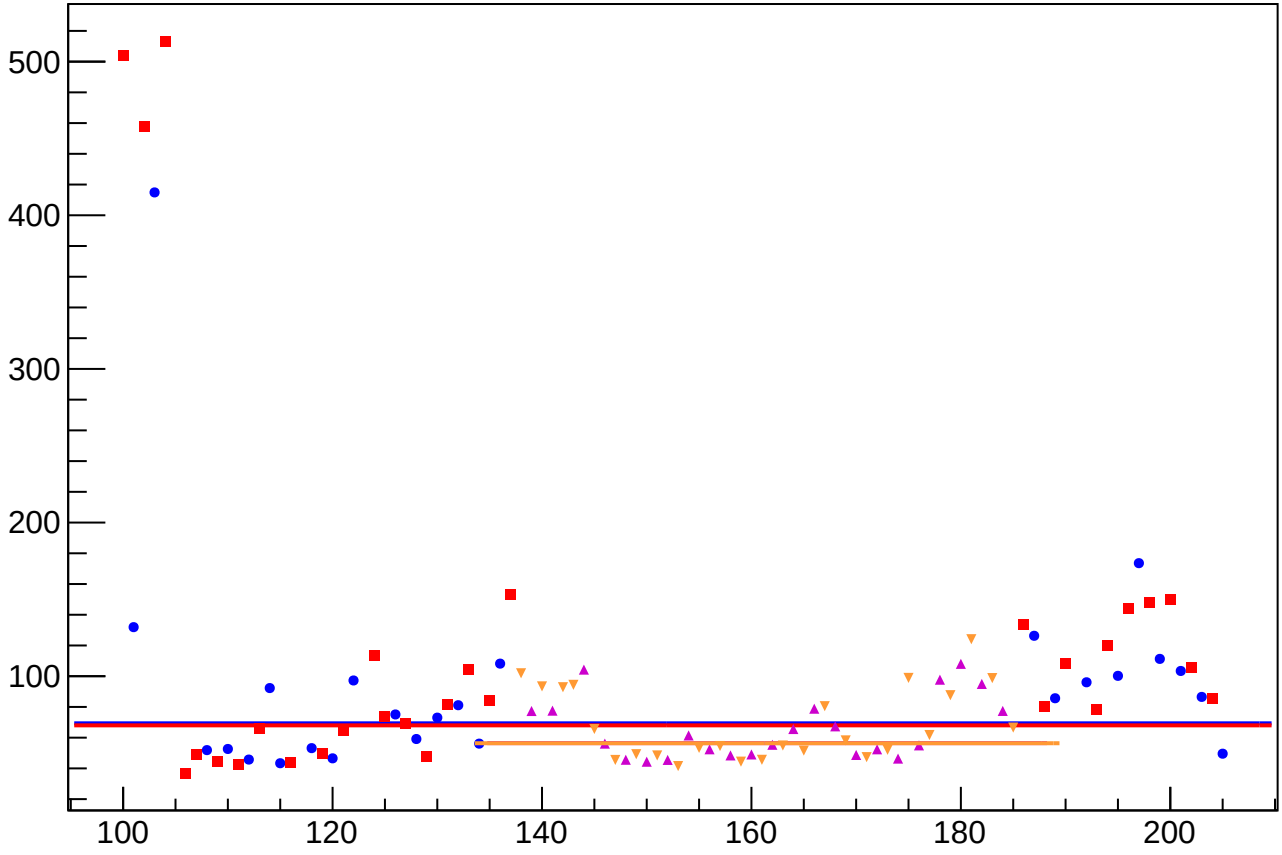
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.006+/-0.008 χ^2/NDF: 115.8/101

\- sign 0.020+/-0.012 χ^2/NDF: 68.6/51

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

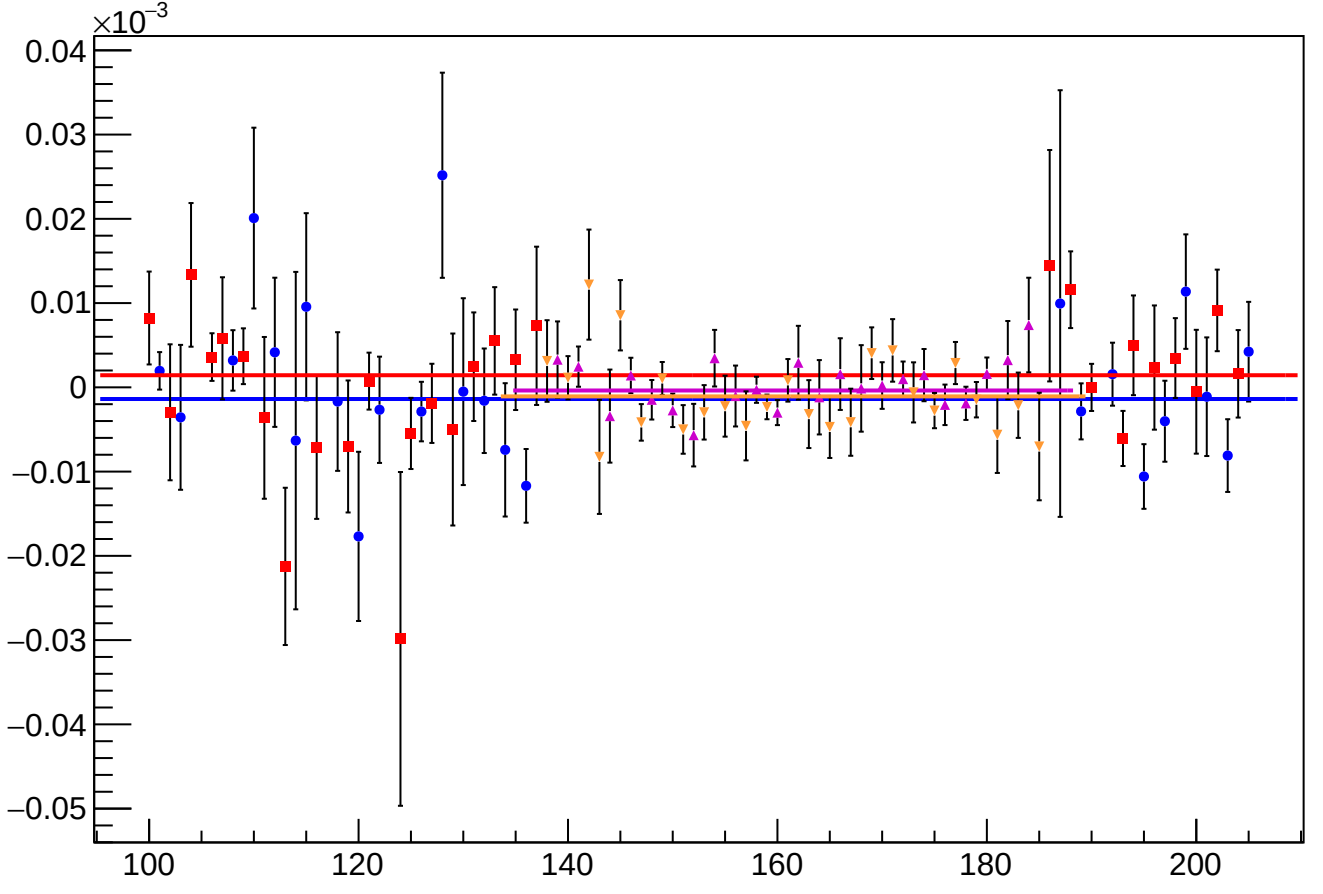
Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 60.314+/-0.008 χ^2/NDF: 6872386.7/49

All: 60.249+/-0.006 χ^2/NDF: 14609347.0/101

\- sign 60.185+/-0.008 χ^2/NDF: 7736843.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/28

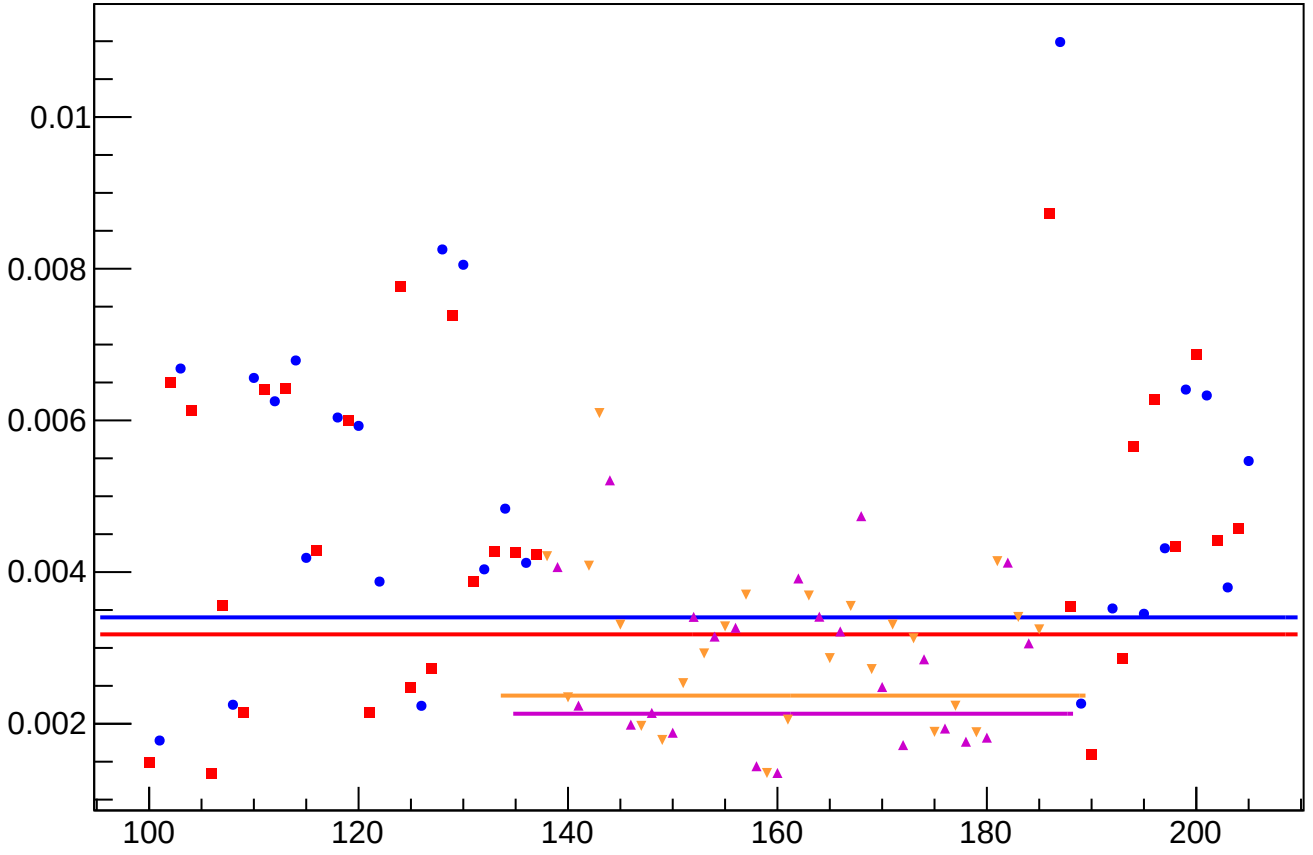
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.7/49

All: -0.000+/-0.000 χ^2/NDF: 127.1/101

- sign 0.000+/-0.000 χ^2/NDF: 55.3/51

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4863184.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

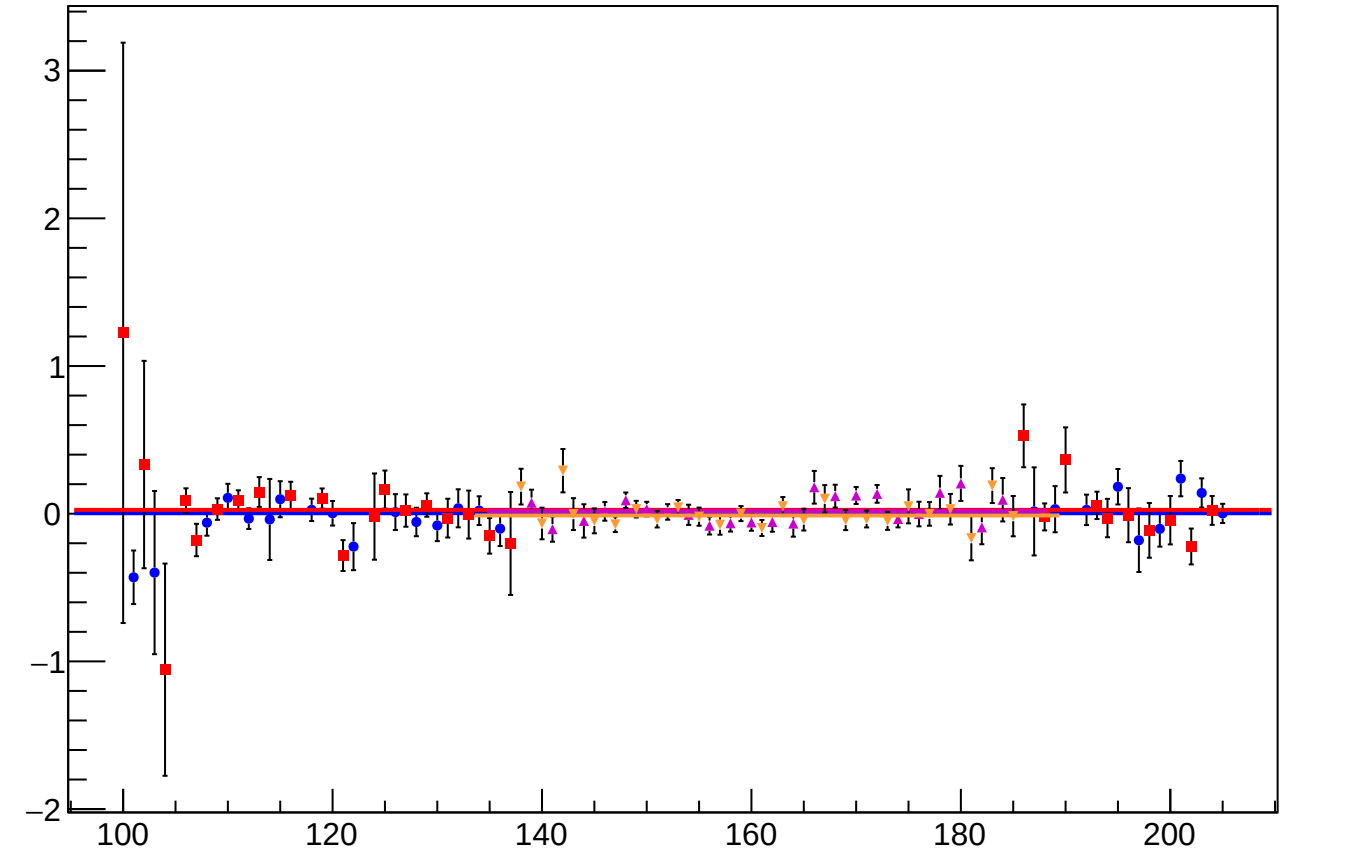
Right Out: 0.003+/-0.000 χ^2/NDF: 5985539.0/28

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 10569874.3/49

All: 0.002+/-0.000 χ^2/NDF: 23149658.3/101

- sign 0.002+/-0.000 χ^2/NDF: 12337391.4/51



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

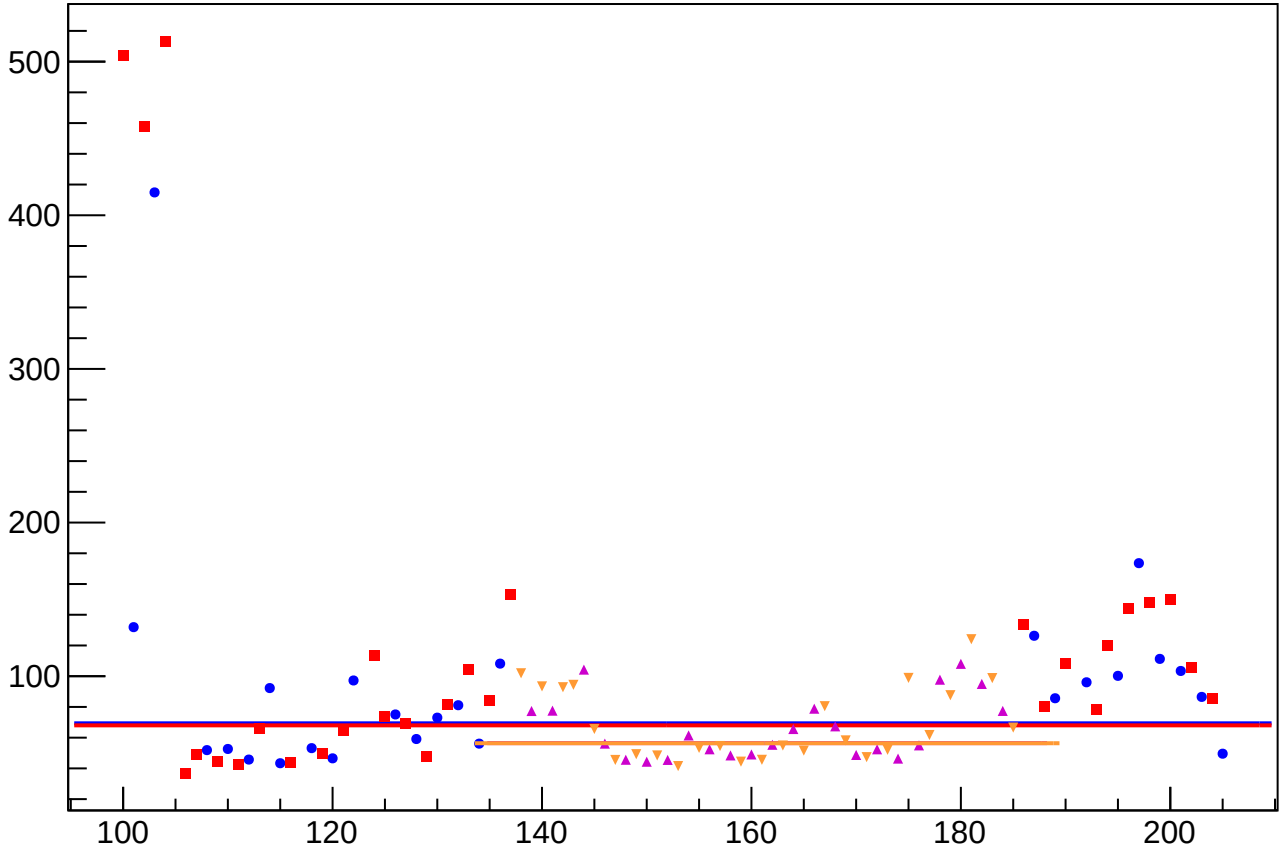
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.006+/-0.008 χ^2/NDF: 115.8/101

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

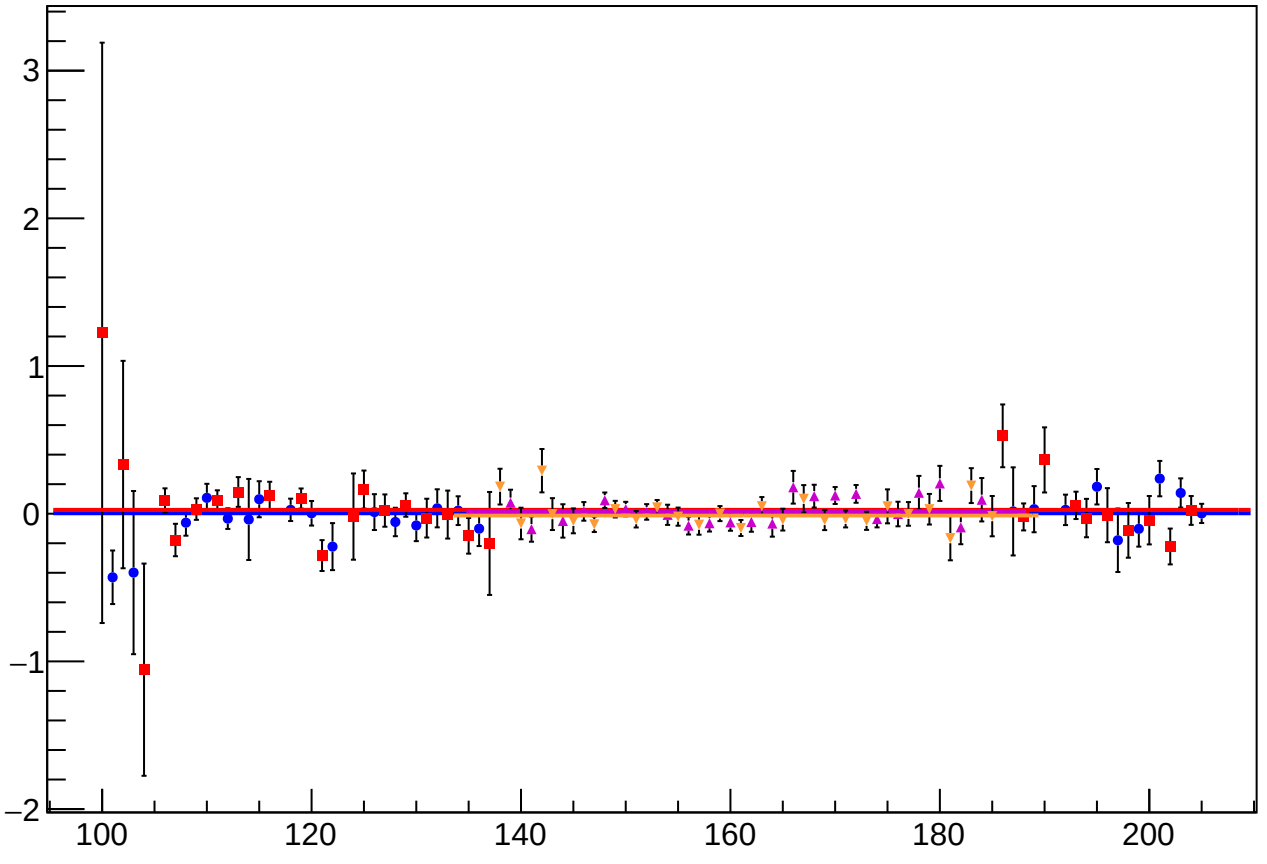
Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872382.4/49

All: 60.249+/-0.006 χ^2/NDF: 14609313.4/101

- sign 60.185+/-0.008 χ^2/NDF: 7736813.9/51



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

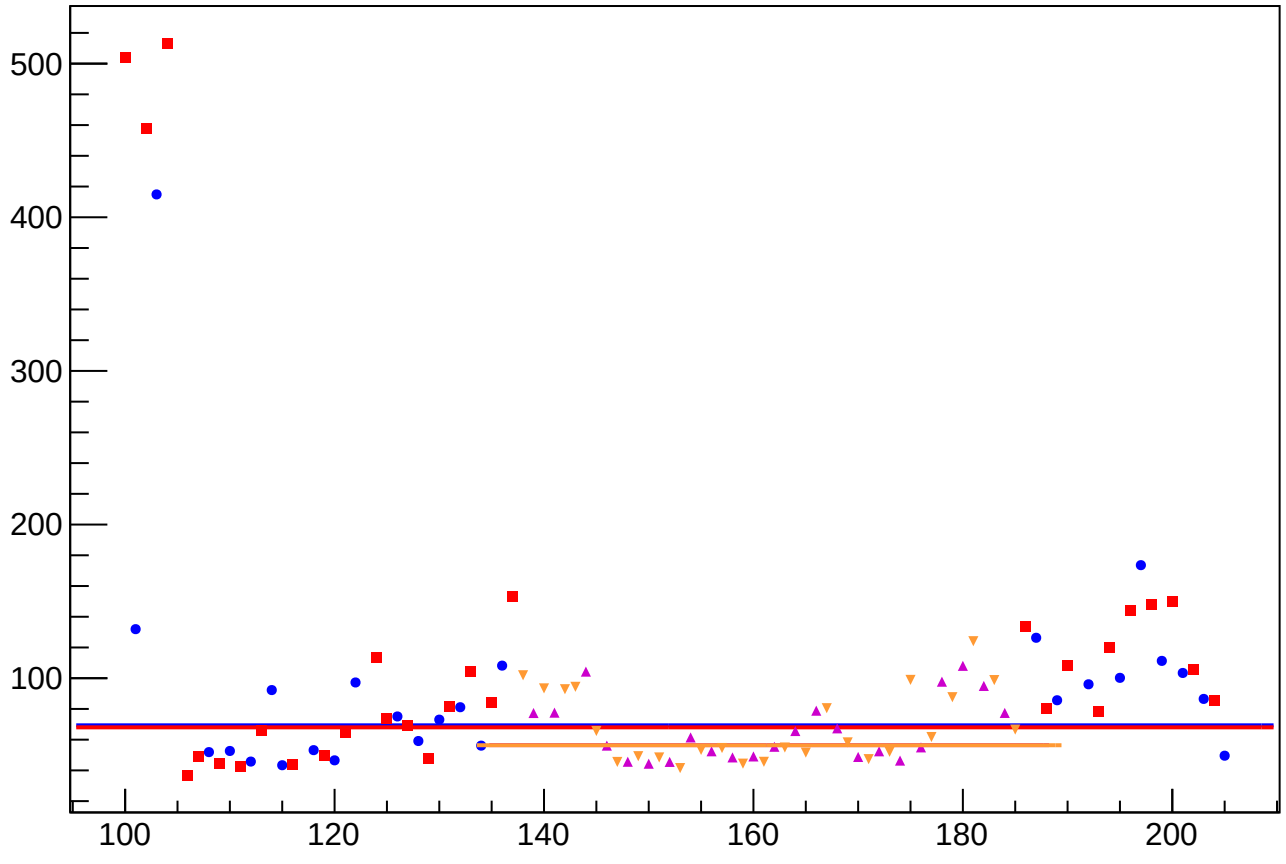
Right Out: 0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.006+/-0.008 χ^2/NDF: 115.8/101

- sign 0.020+/-0.012 χ^2/NDF: 68.6/51



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

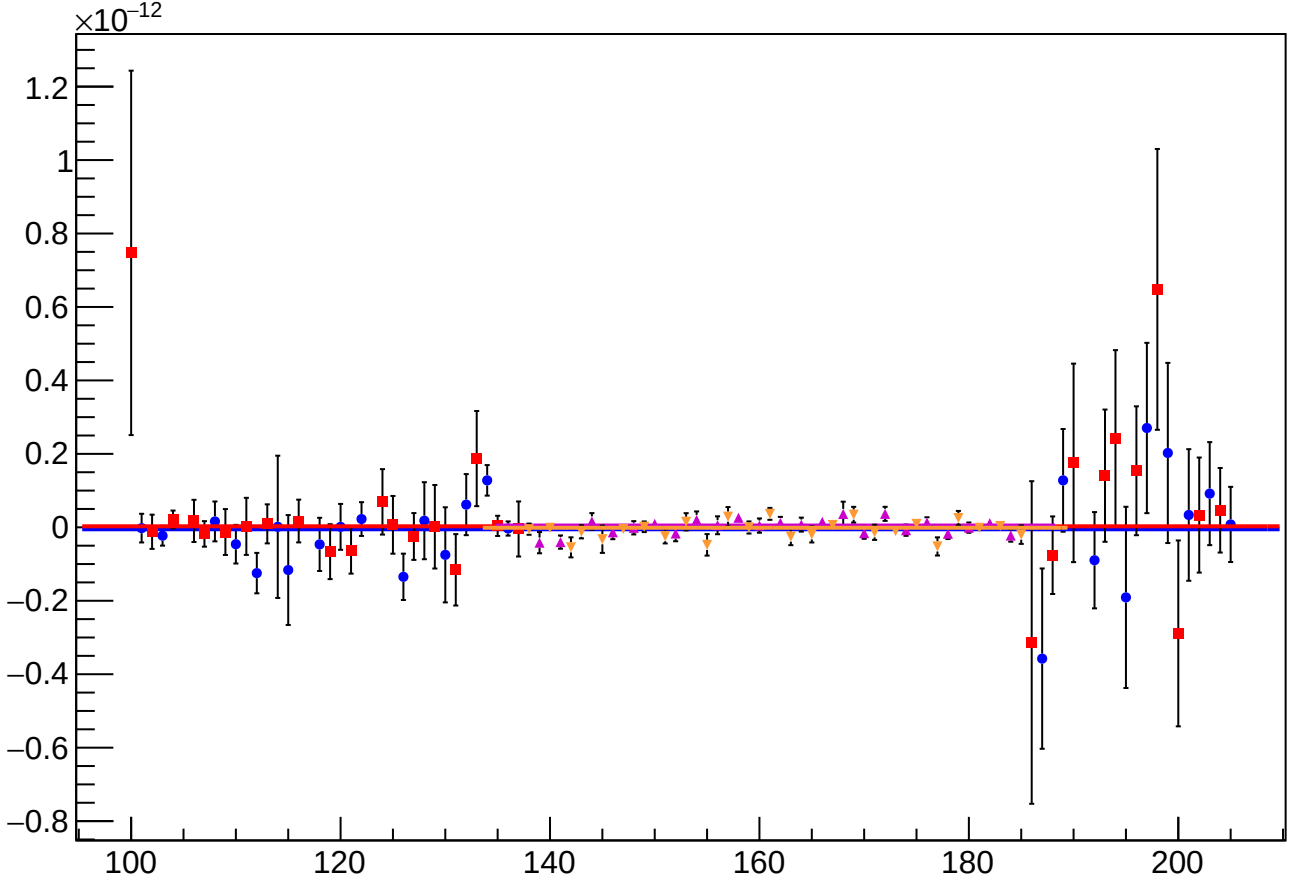
Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872382.4/49

All: 60.249+/-0.006 χ^2/NDF: 14609313.4/101

- sign 60.185+/-0.008 χ^2/NDF: 7736813.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

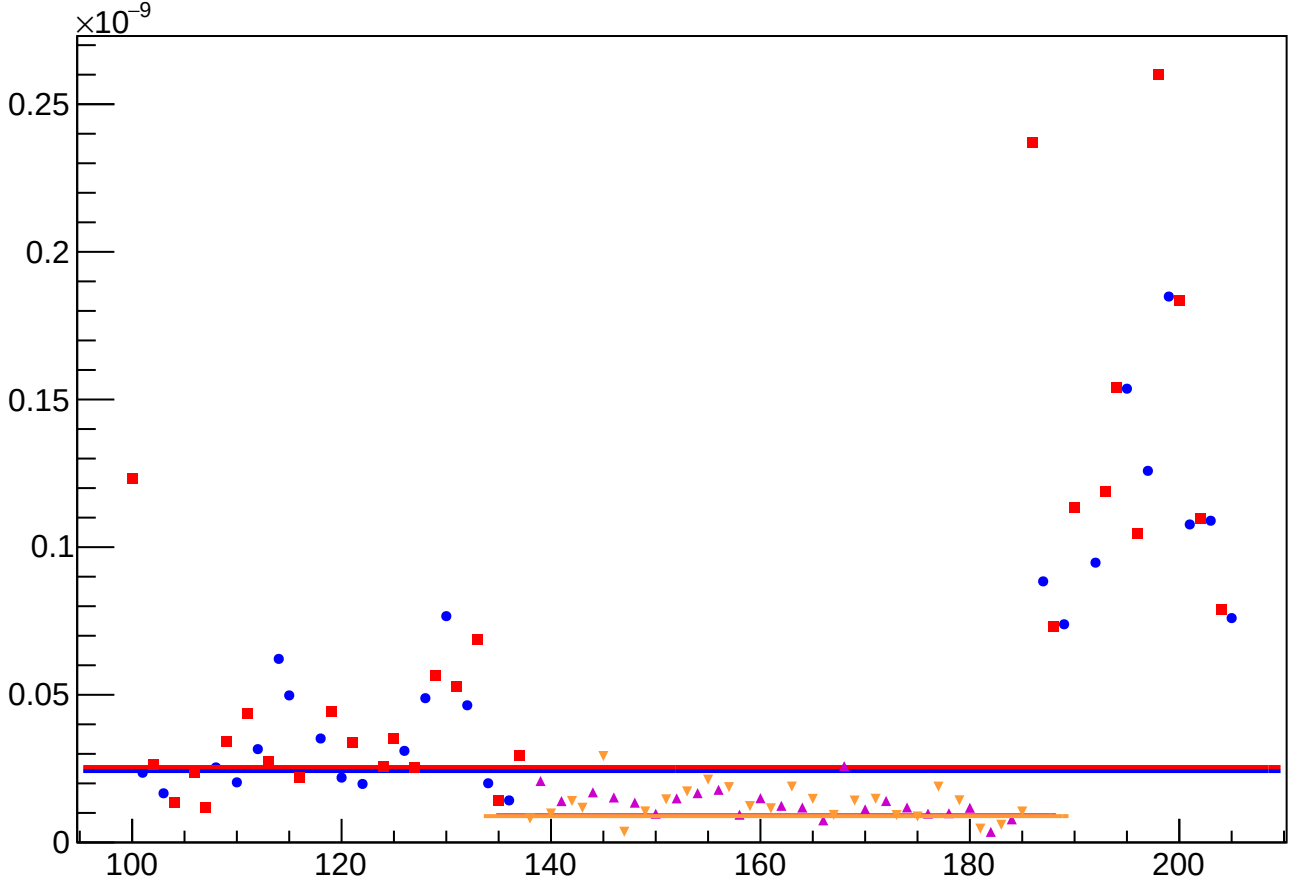
Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/28

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/49

All: 0.000+/-0.000 χ^2/NDF: 107.6/101

- sign 0.000+/-0.000 χ^2/NDF: 46.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 6000362.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7237412.3/28

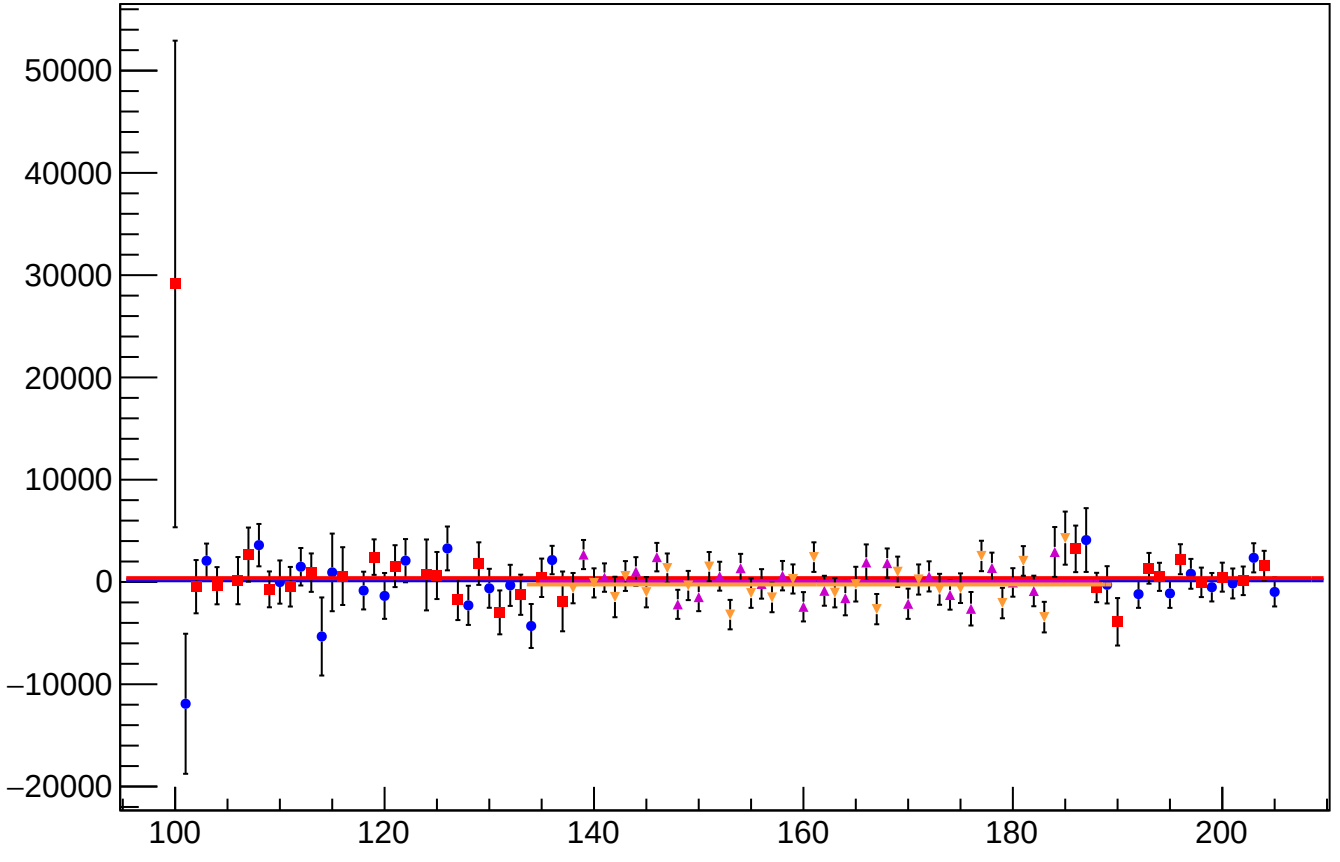
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14628493.0/49

All: 0.000+/-0.000 χ^2/NDF: 30664895.2/101

- sign 0.000+/-0.000 χ^2/NDF: 16025685.5/51

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 166.529+/-362.147 χ^2/NDF: 28.7/24

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 373.919+/-348.050 χ^2/NDF: 18.4/28

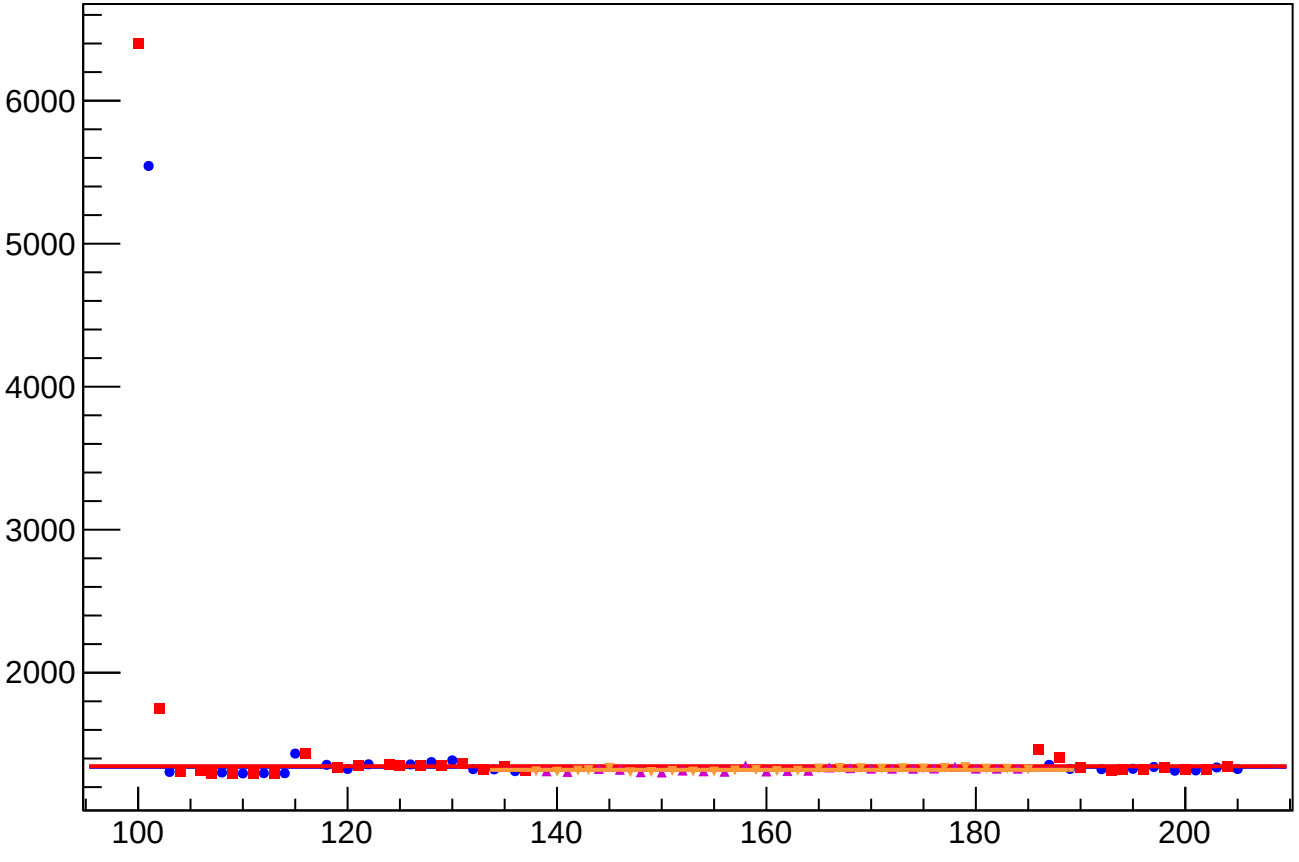
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -75.071+/-231.030 χ^2/NDF: 61.1/49

All: 55.775+/-163.323 χ^2/NDF: 107.8/101

- sign 186.490+/-230.916 χ^2/NDF: 46.1/51

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.751+/-0.256 χ^2/NDF: 764111.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.809+/-0.246 χ^2/NDF: 159209.3/28

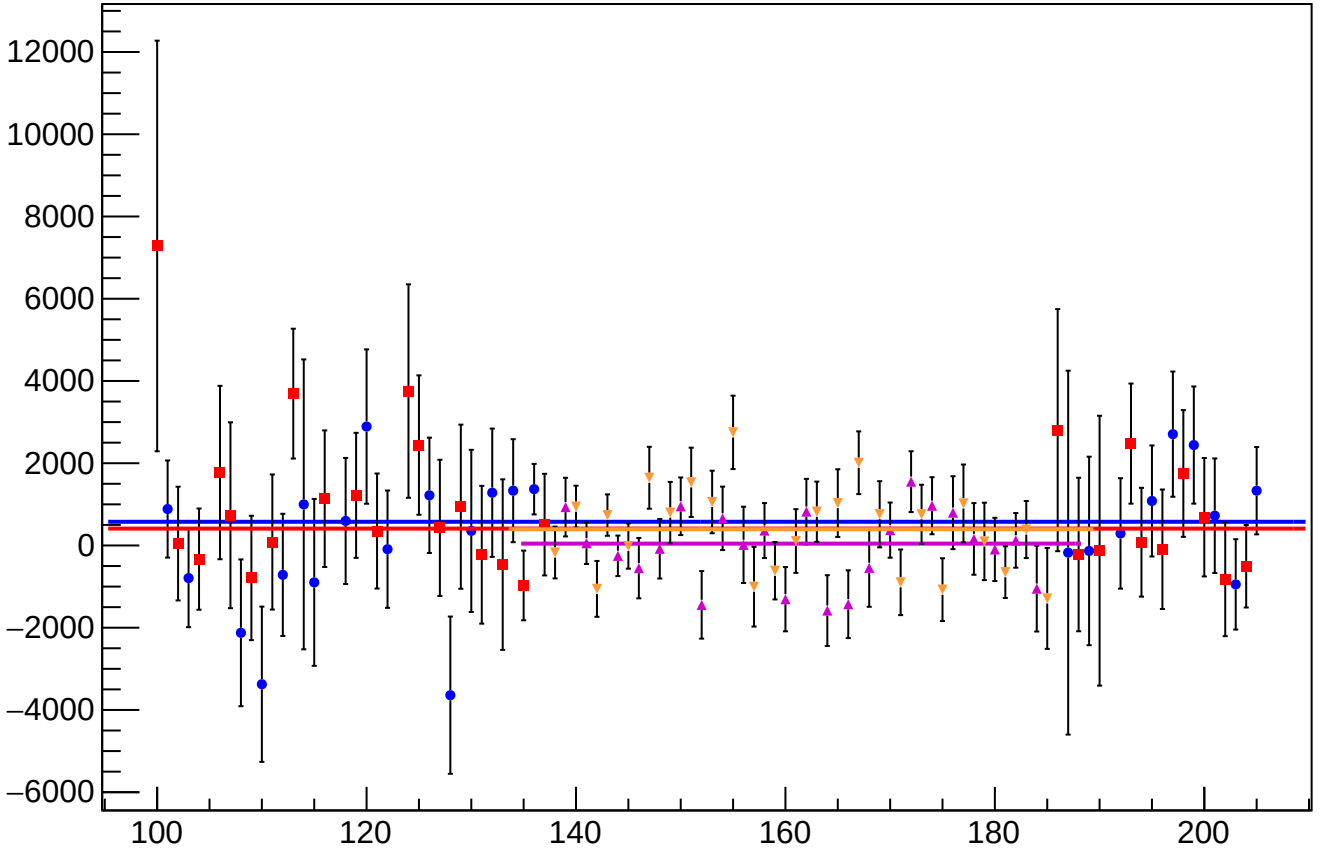
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.291+/-0.163 χ^2/NDF: 770706.3/49

All: 1330.825+/-0.115 χ^2/NDF: 938980.8/101

- sign 1332.358+/-0.163 χ^2/NDF: 168098.1/51

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 576.113+/-274.935 χ^2/NDF: 24.8/24

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 410.672+/-284.718 χ^2/NDF: 19.8/28

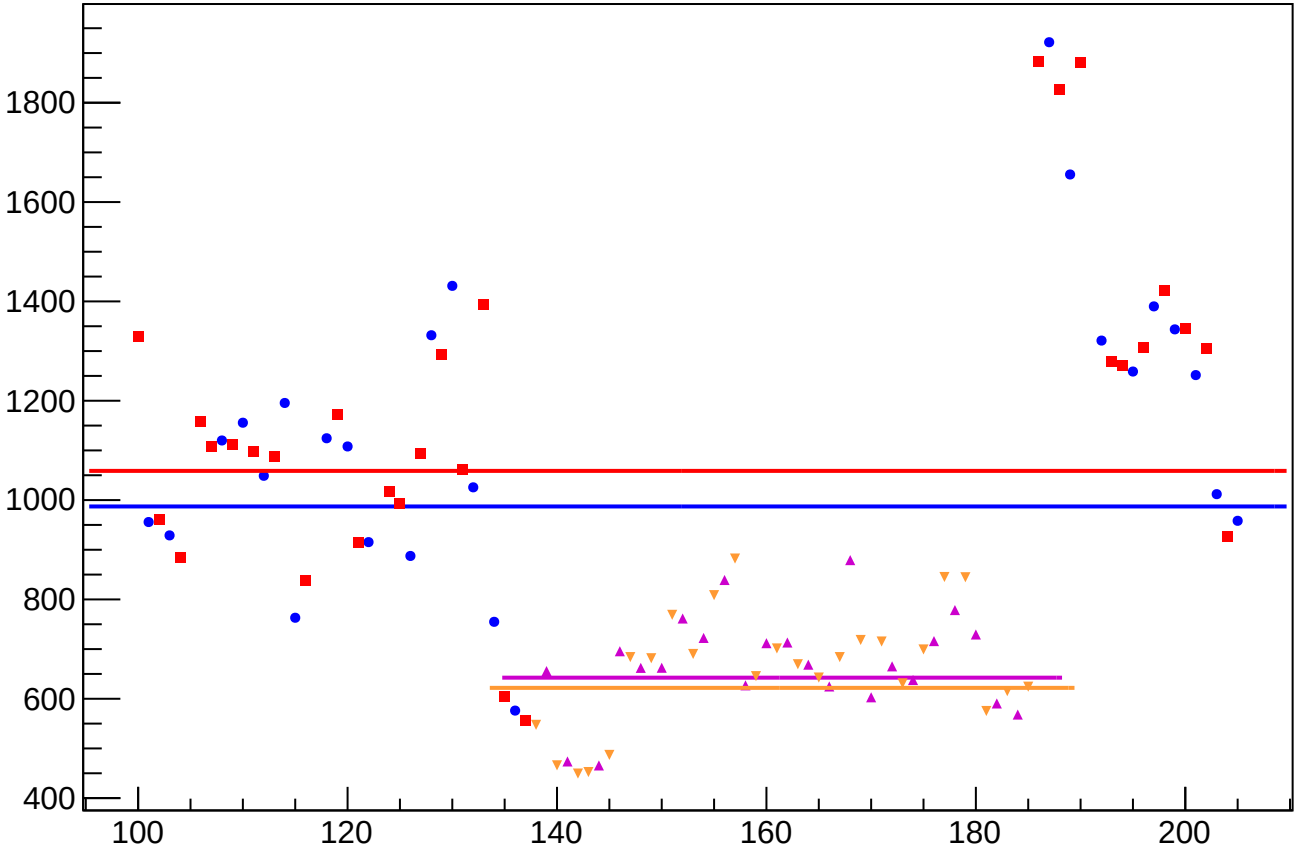
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

\+ sign 433.874+/-127.952 χ^2/NDF: 67.0/49

All: 287.502+/-92.644 χ^2/NDF: 118.4/101

\- sign 126.207+/-134.316 χ^2/NDF: 48.7/51

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 987.162+/-0.194 χ^2/NDF: 2043541.7/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1058.781+/-0.201 χ^2/NDF: 2188705.2/28

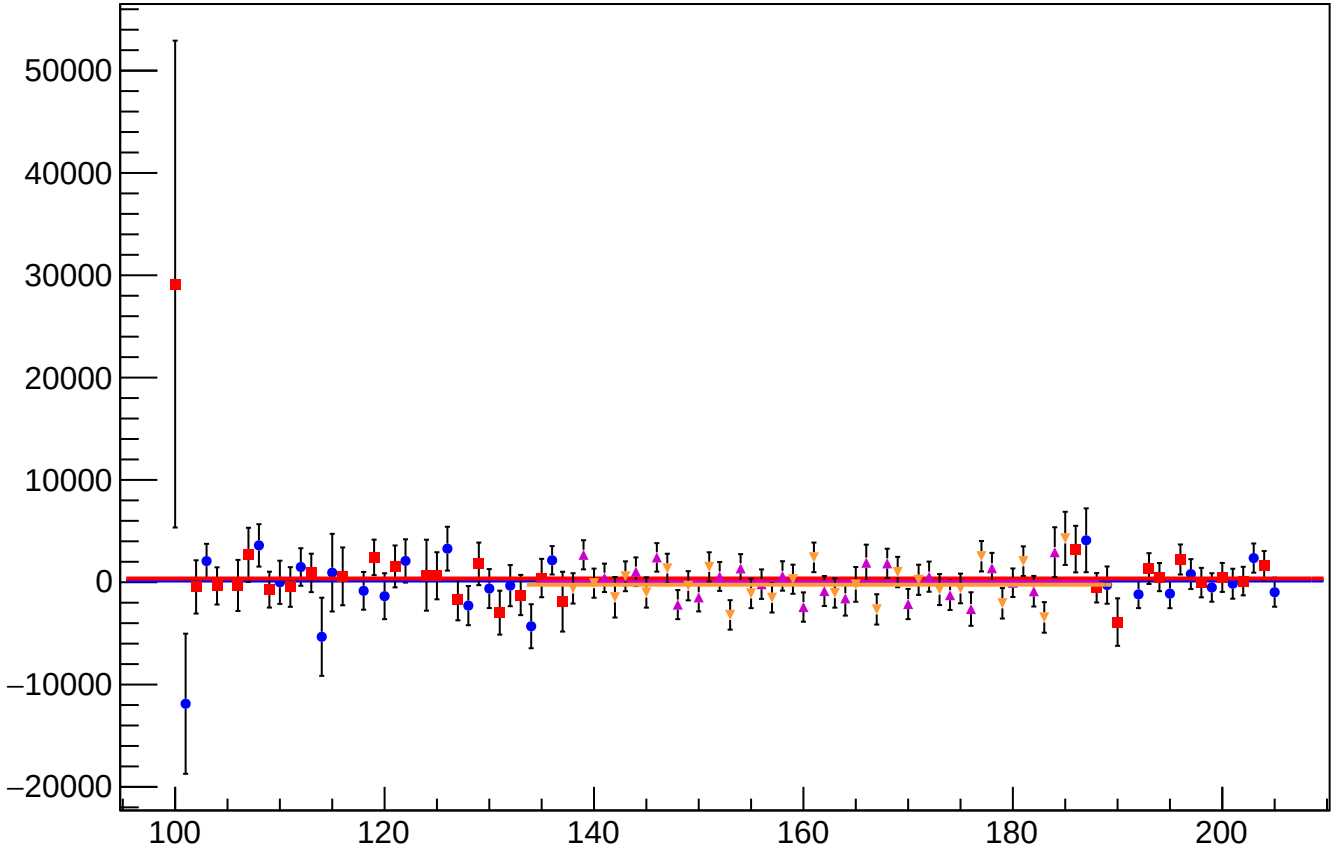
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 701.051+/-0.090 χ^2/NDF: 6191724.1/49

All: 717.260+/-0.066 χ^2/NDF: 12698580.2/10

- sign 735.120+/-0.095 χ^2/NDF: 6439397.2/51

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 166.630+/-362.147 χ^2/NDF: 28.6/24

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 366.202+/-348.622 χ^2/NDF: 18.5/28

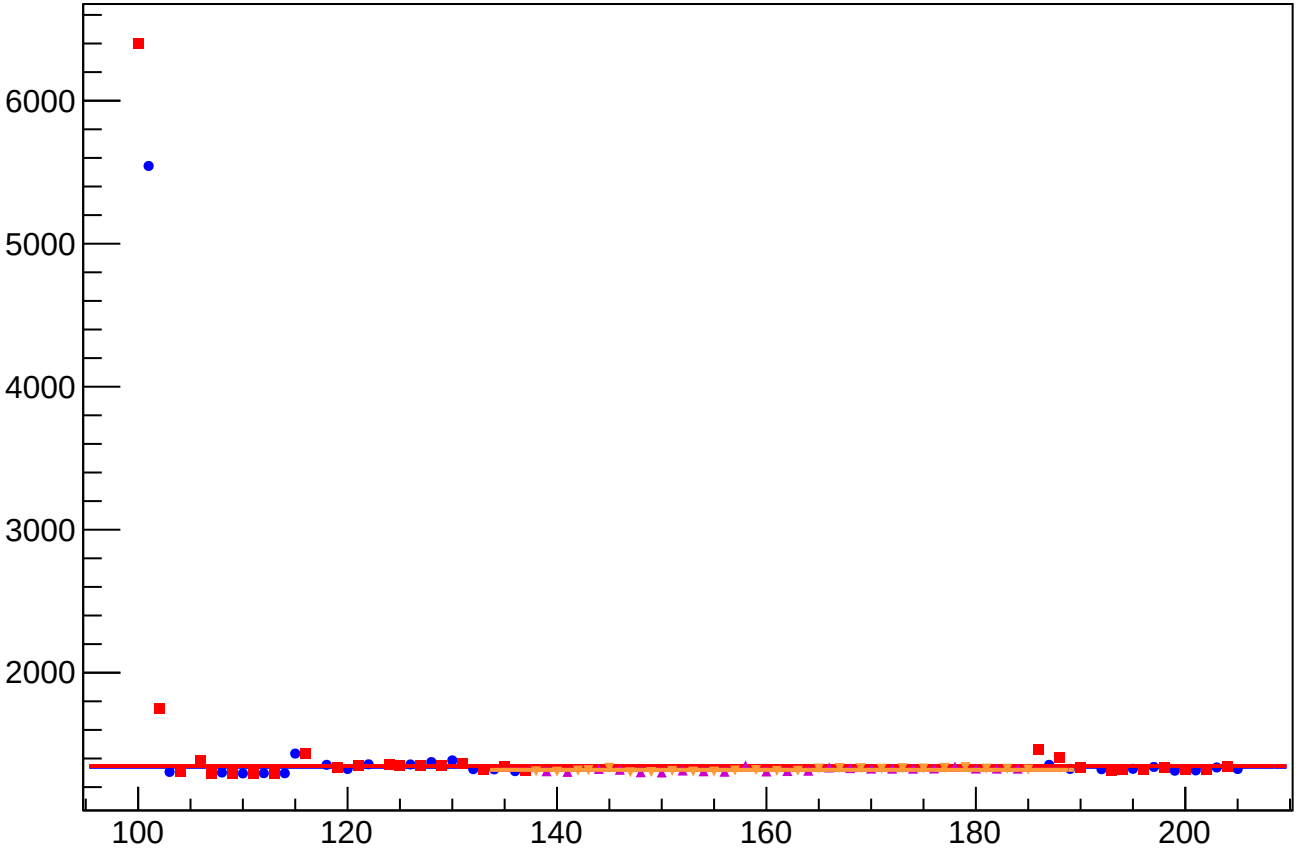
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -75.031+/-231.030 χ^2/NDF: 61.1/49

All: 53.890+/-163.382 χ^2/NDF: 107.8/101

- sign 182.869+/-231.082 χ^2/NDF: 46.1/51

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

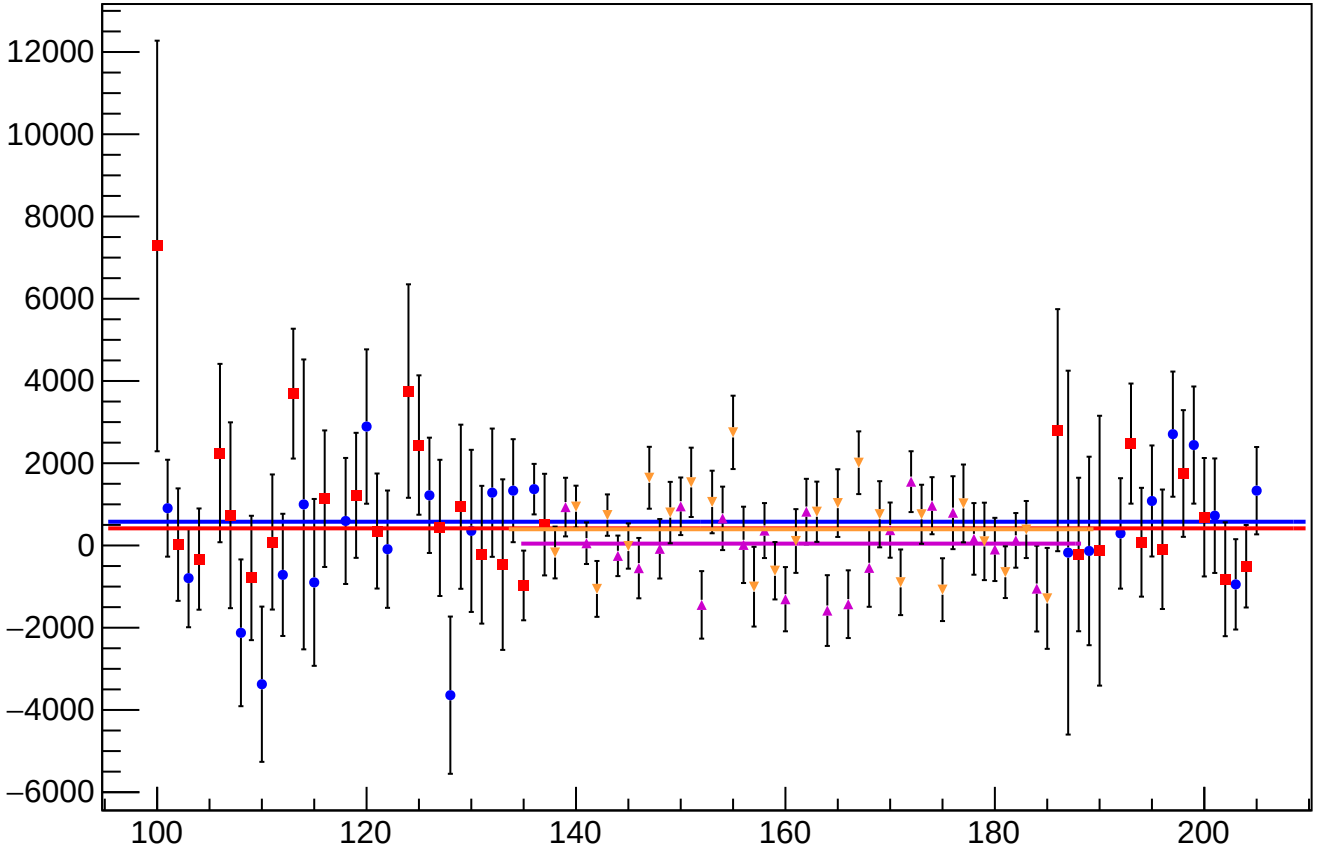
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.291+/-0.163 χ^2/NDF: 770705.3/49

All: 1331.141+/-0.116 χ^2/NDF: 939985.0/101

- sign 1332.991+/-0.163 χ^2/NDF: 169023.2/51

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 416.109+/-284.720 χ^2/NDF: 20.1/28

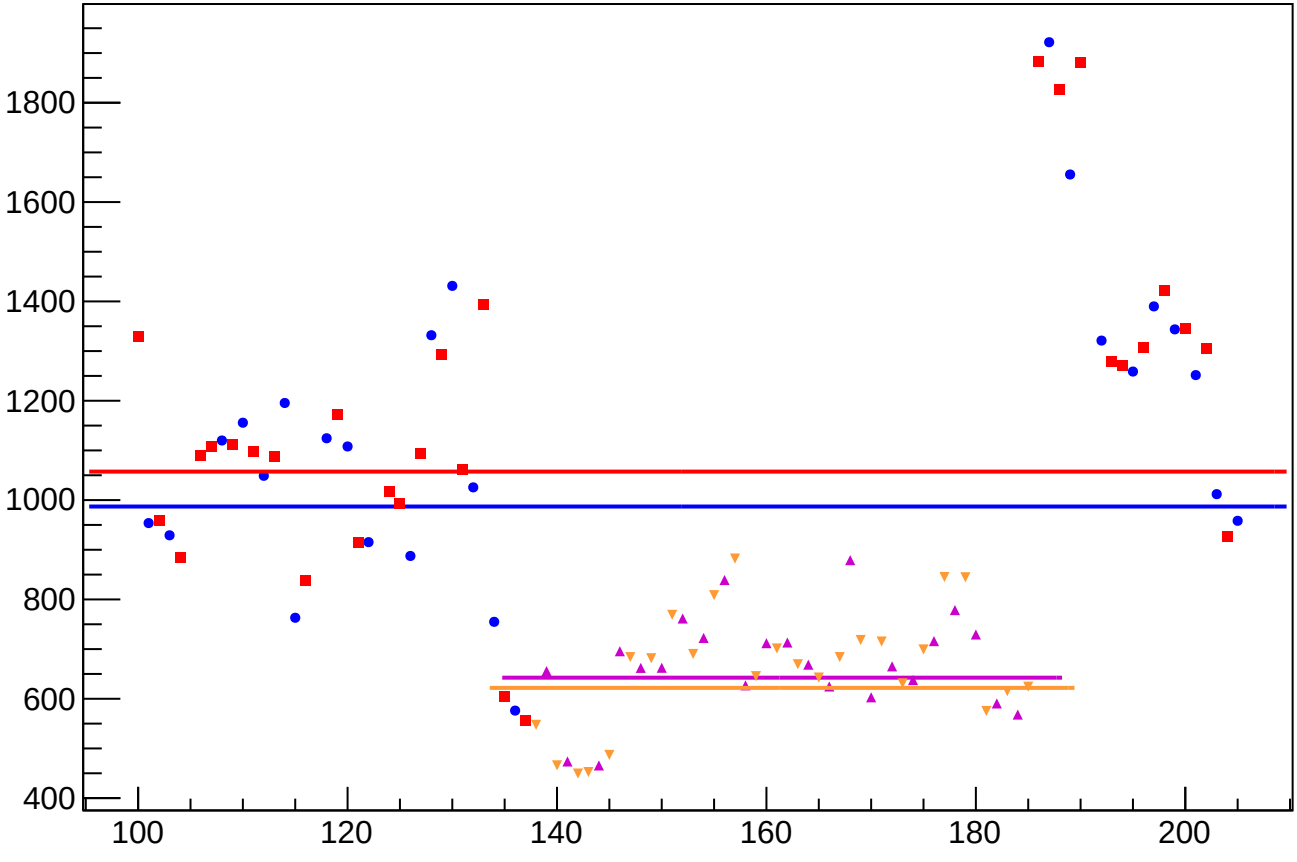
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 434.108+/-127.949 χ^2/NDF: 67.0/49

All: 288.198+/-92.643 χ^2/NDF: 118.8/101

- sign 127.407+/-134.316 χ^2/NDF: 49.0/51

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

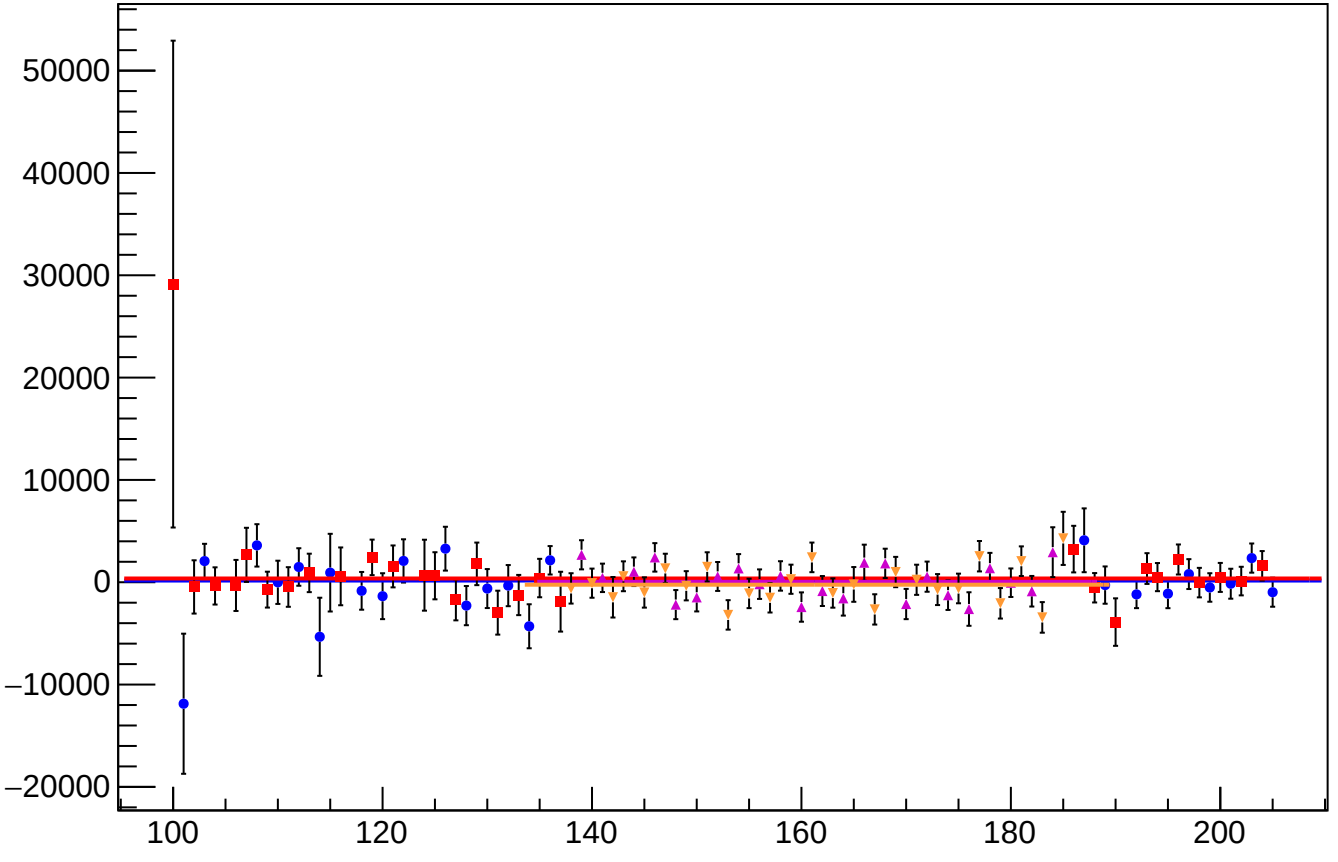
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 701.041+/-0.090 χ^2/NDF: 6190598.8/49

All: 717.100+/-0.066 χ^2/NDF: 12670116.9/10

- sign 734.797+/-0.095 χ^2/NDF: 6413295.0/51

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 166.630+/-362.147 χ^2/NDF: 28.6/24

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 366.202+/-348.622 χ^2/NDF: 18.5/28

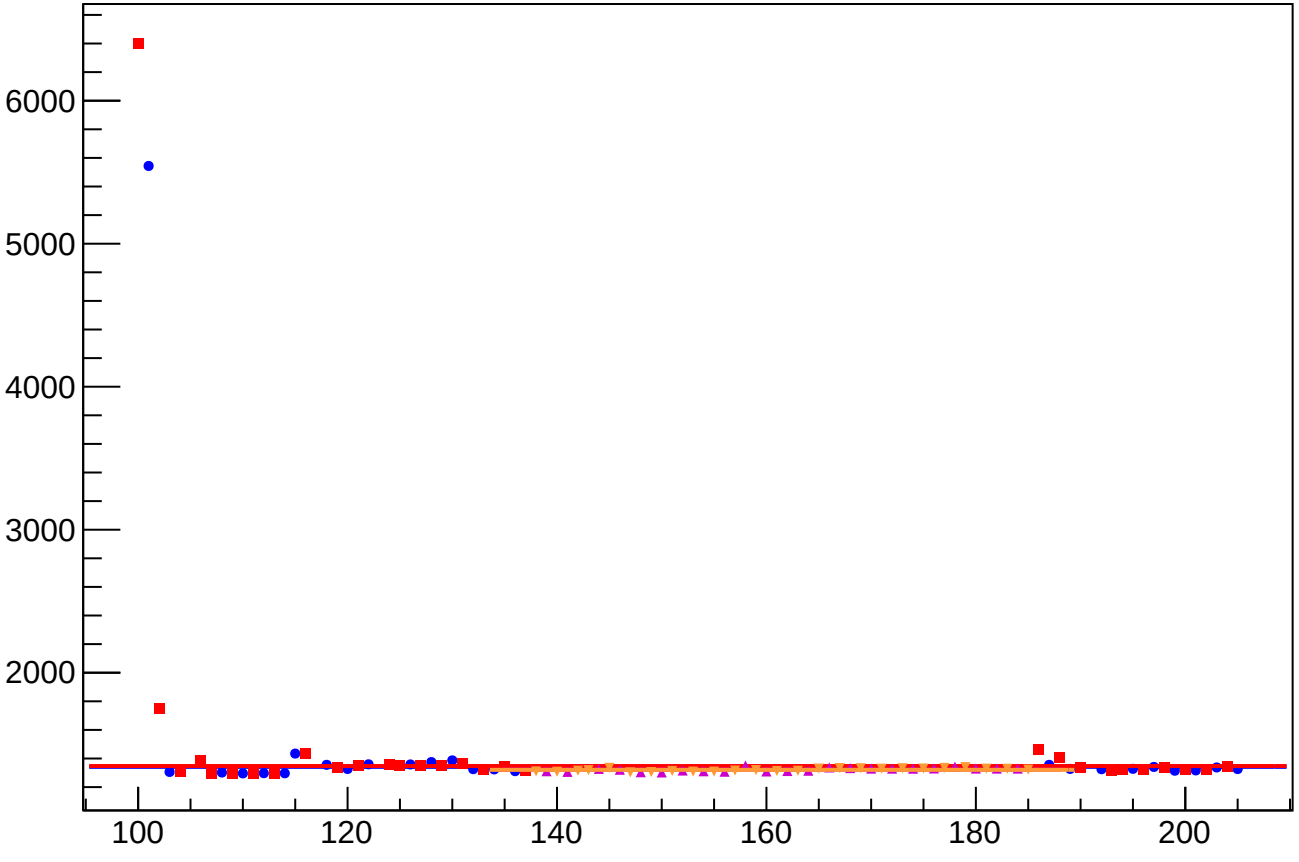
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -75.031+/-231.030 χ^2/NDF: 61.1/49

All: 53.890+/-163.382 χ^2/NDF: 107.8/101

- sign 182.869+/-231.082 χ^2/NDF: 46.1/51

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

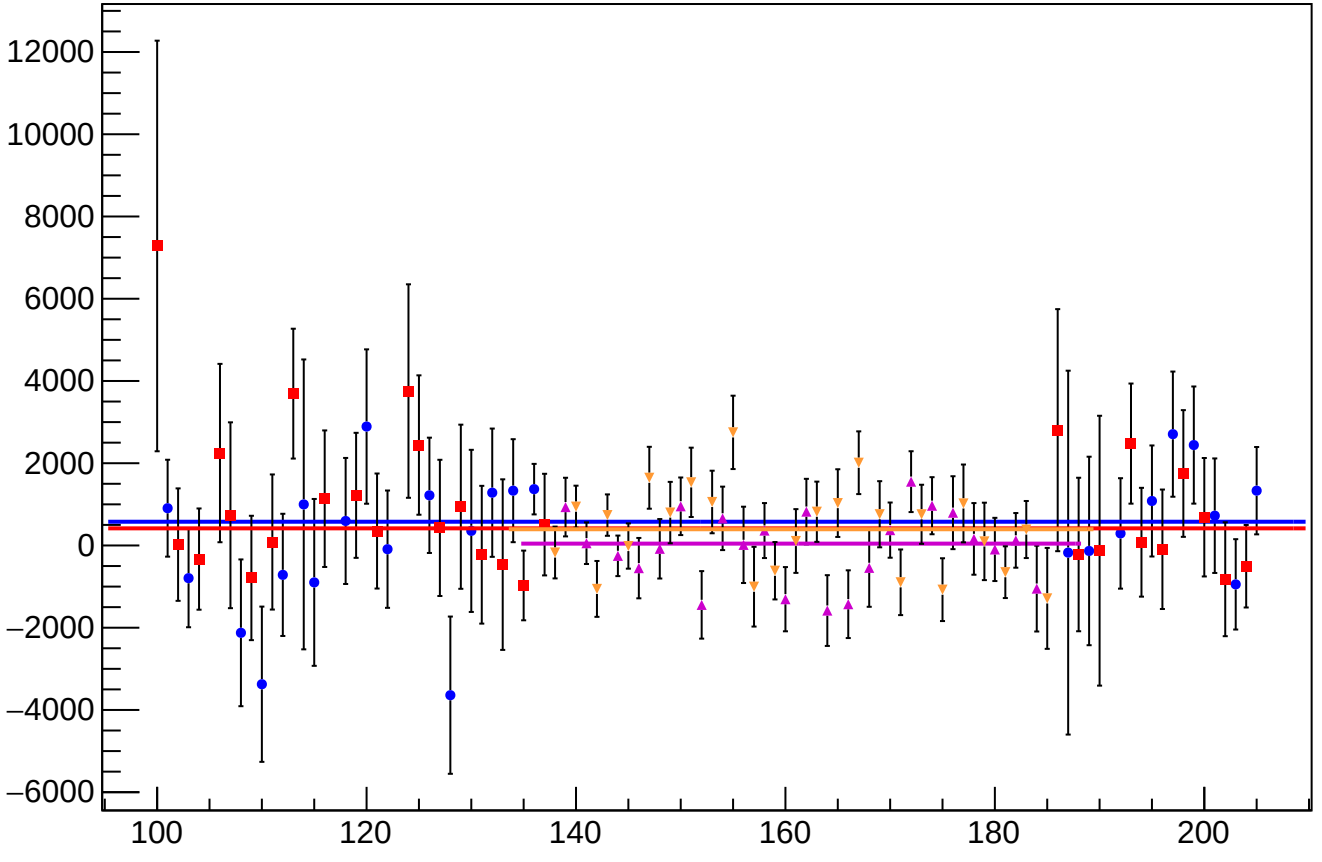
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.291+/-0.163 χ^2/NDF: 770705.3/49

All: 1331.141+/-0.116 χ^2/NDF: 939985.0/101

- sign 1332.991+/-0.163 χ^2/NDF: 169023.2/51

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

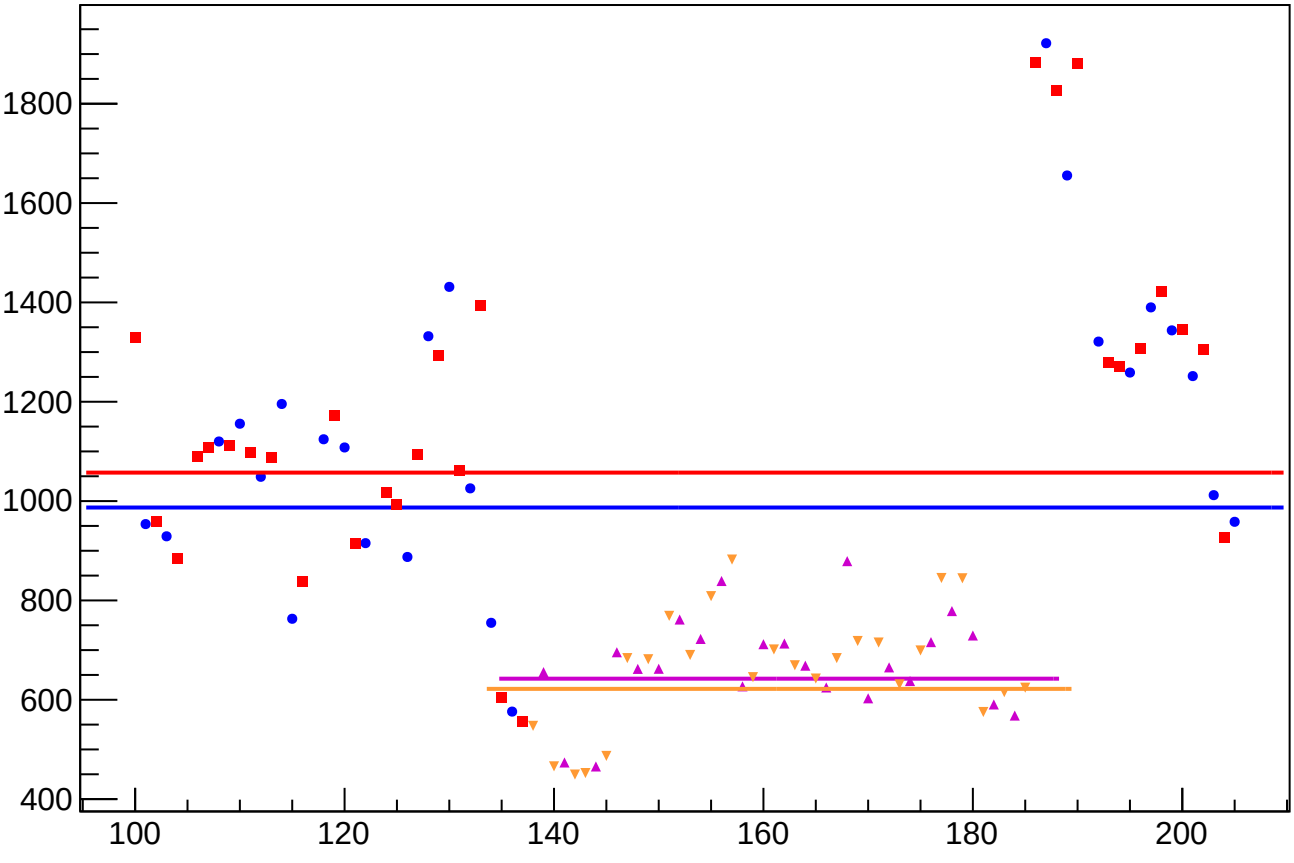
Right Out: 416.109+/-284.720 χ^2/NDF: 20.1/28

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 434.108+/-127.949 χ^2/NDF: 67.0/49

All: 288.198+/-92.643 χ^2/NDF: 118.8/101

\- sign 127.407+/-134.316 χ^2/NDF: 49.0/51



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

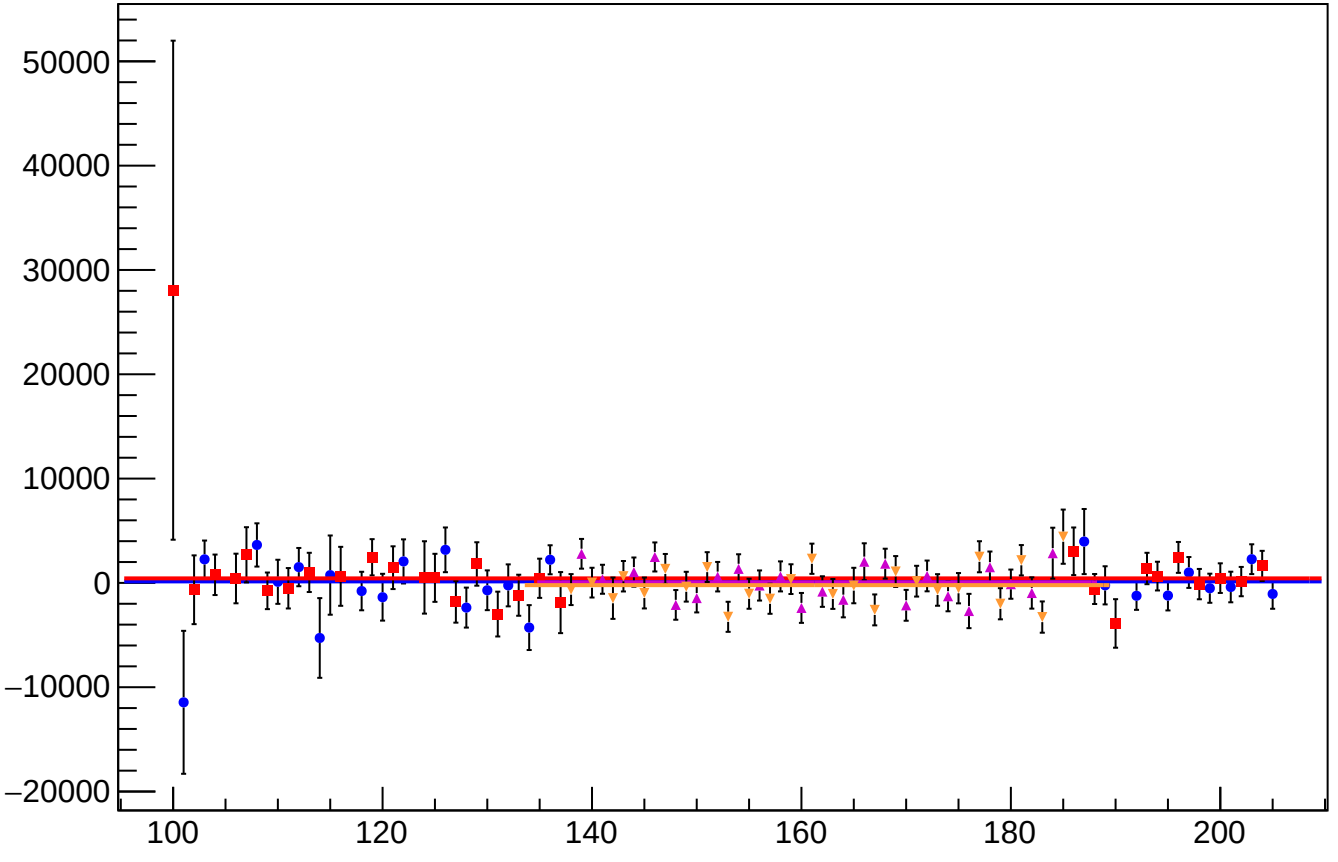
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 701.041+/-0.090 χ^2/NDF: 6190598.8/49

All: 717.100+/-0.066 χ^2/NDF: 12670116.9/10

- sign 734.797+/-0.095 χ^2/NDF: 6413295.0/51

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 144.586+/-363.970 χ^2/NDF: 28.7/24

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 432.607+/-351.025 χ^2/NDF: 18.5/28

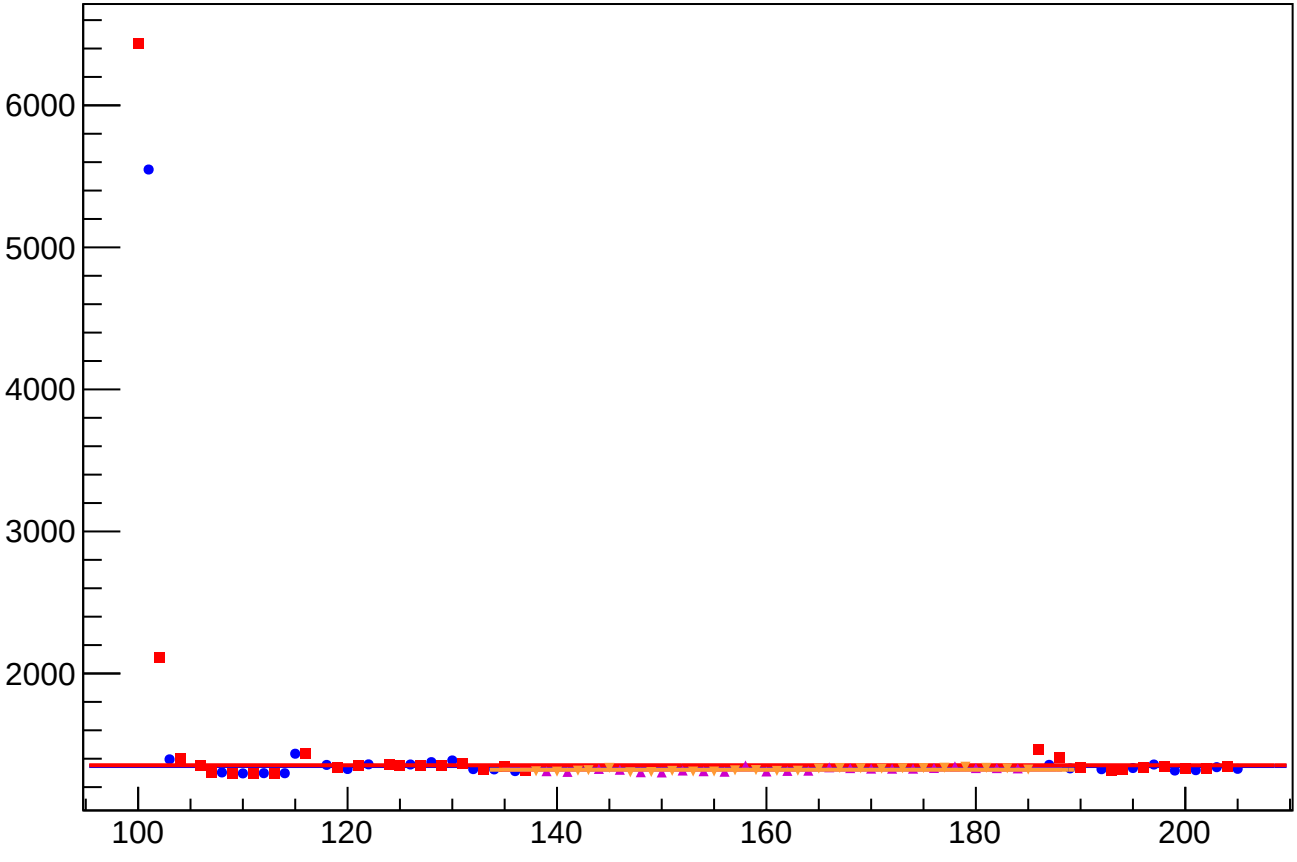
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -69.334+/-231.672 χ^2/NDF: 60.6/49

All: 73.757+/-163.909 χ^2/NDF: 108.4/101

- sign 217.170+/-231.932 χ^2/NDF: 47.0/51

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

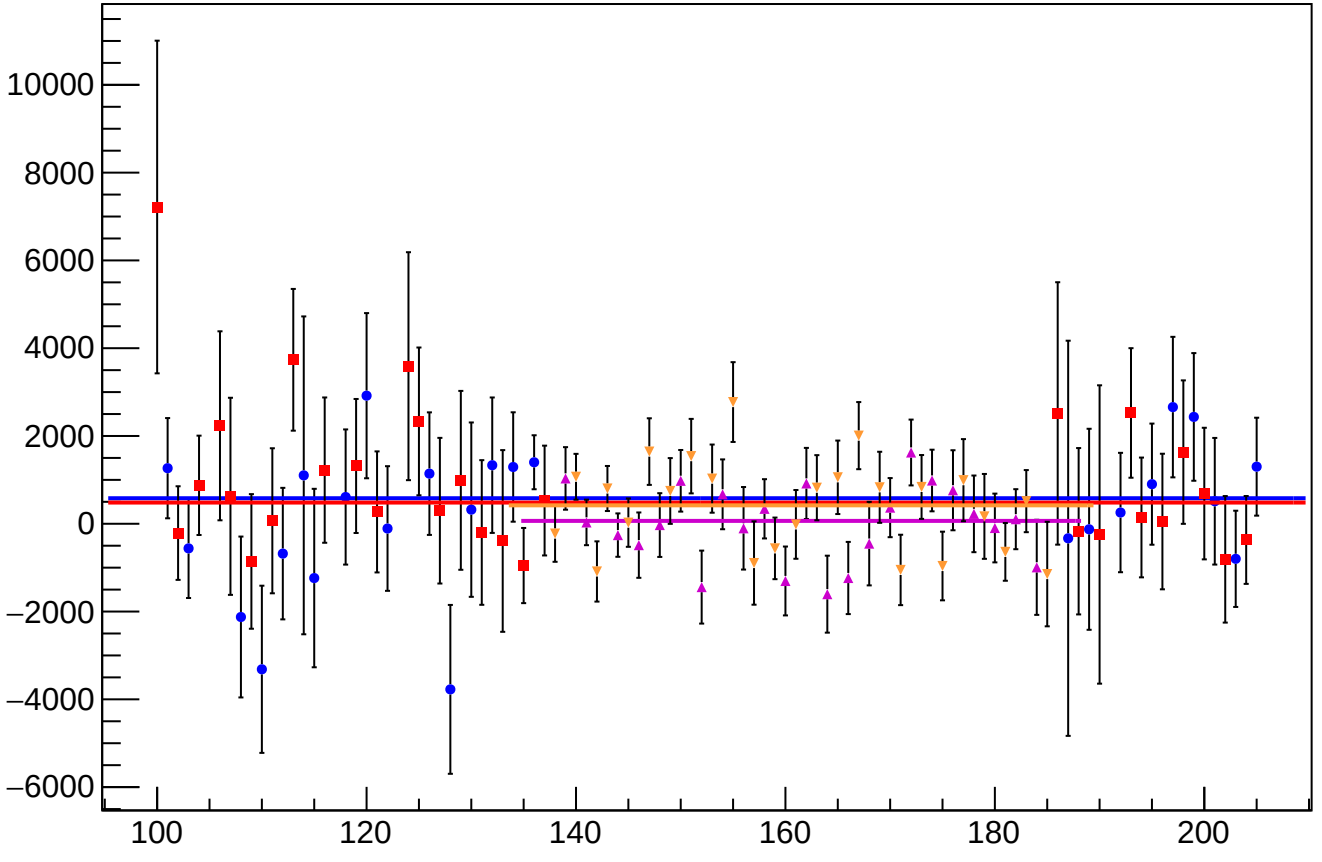
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.943+/-0.164 χ^2/NDF: 773372.2/49

All: 1334.826+/-0.116 χ^2/NDF: 1003361.9/10

- sign 1336.714+/-0.164 χ^2/NDF: 229725.2/51

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 581.738+/-276.130 χ^2/NDF: 24.3/24

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 483.206+/-282.402 χ^2/NDF: 20.4/28

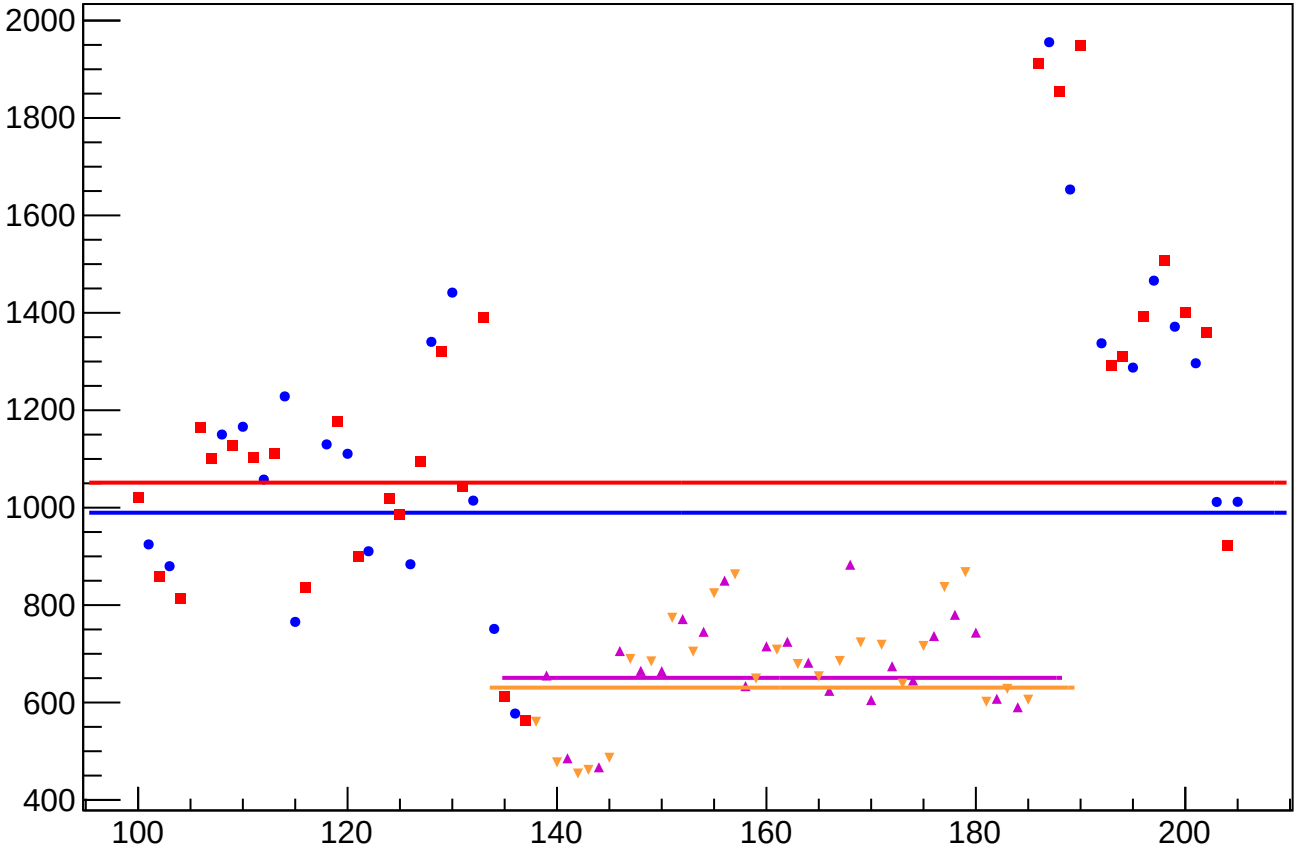
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

\+ sign 455.423+/-129.370 χ^2/NDF: 66.1/49

All: 315.049+/-93.523 χ^2/NDF: 117.6/101

\- sign 161.386+/-135.355 χ^2/NDF: 49.1/51

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 989.637+/-0.195 χ^2/NDF: 2171365.7/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1051.398+/-0.200 χ^2/NDF: 2443620.5/28

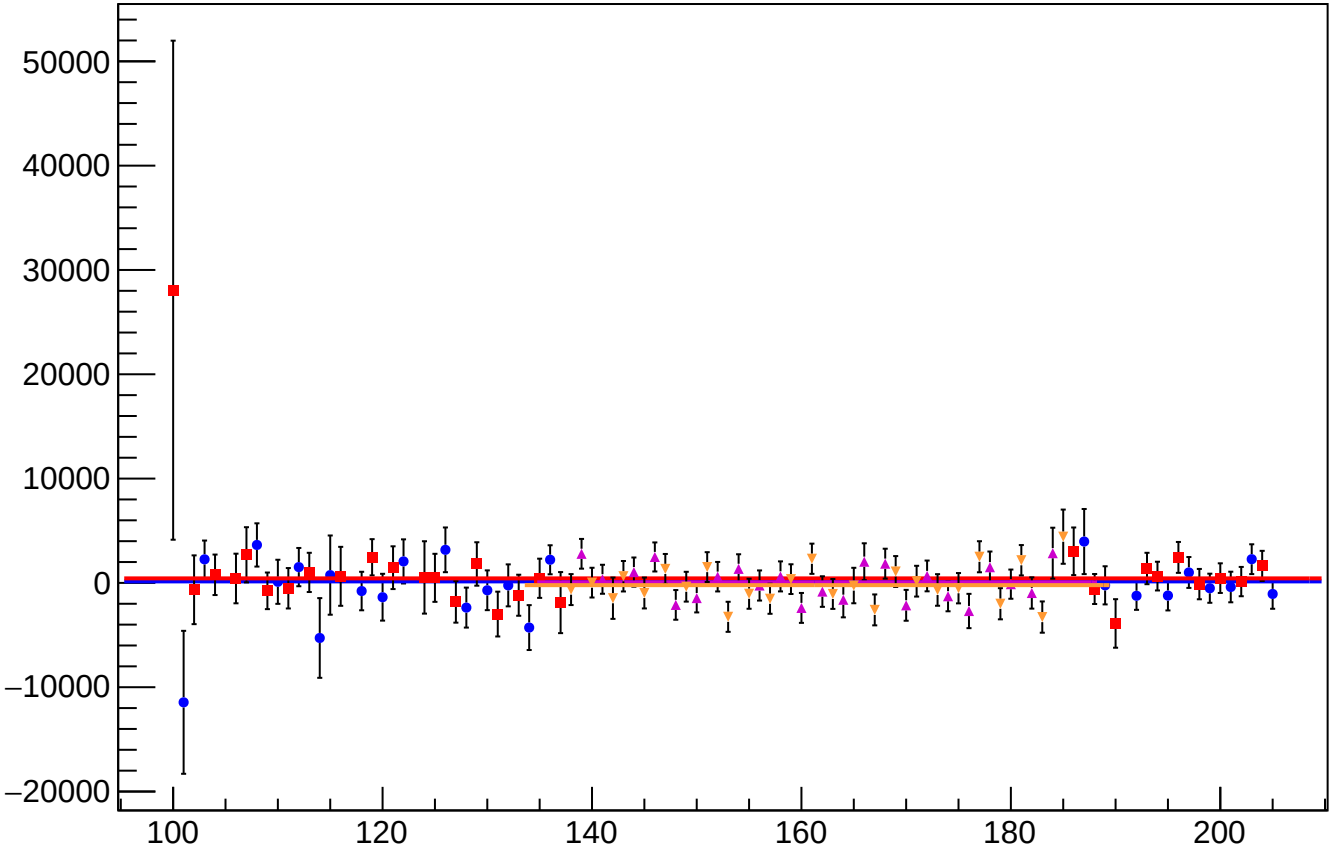
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 709.403+/-0.091 χ^2/NDF: 6139152.6/49

All: 725.300+/-0.066 χ^2/NDF: 12670592.9/10

- sign 742.703+/-0.096 χ^2/NDF: 6468179.7/51

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 144.585+/-363.970 χ^2/NDF: 28.7/24

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 432.606+/-351.025 χ^2/NDF: 18.5/28

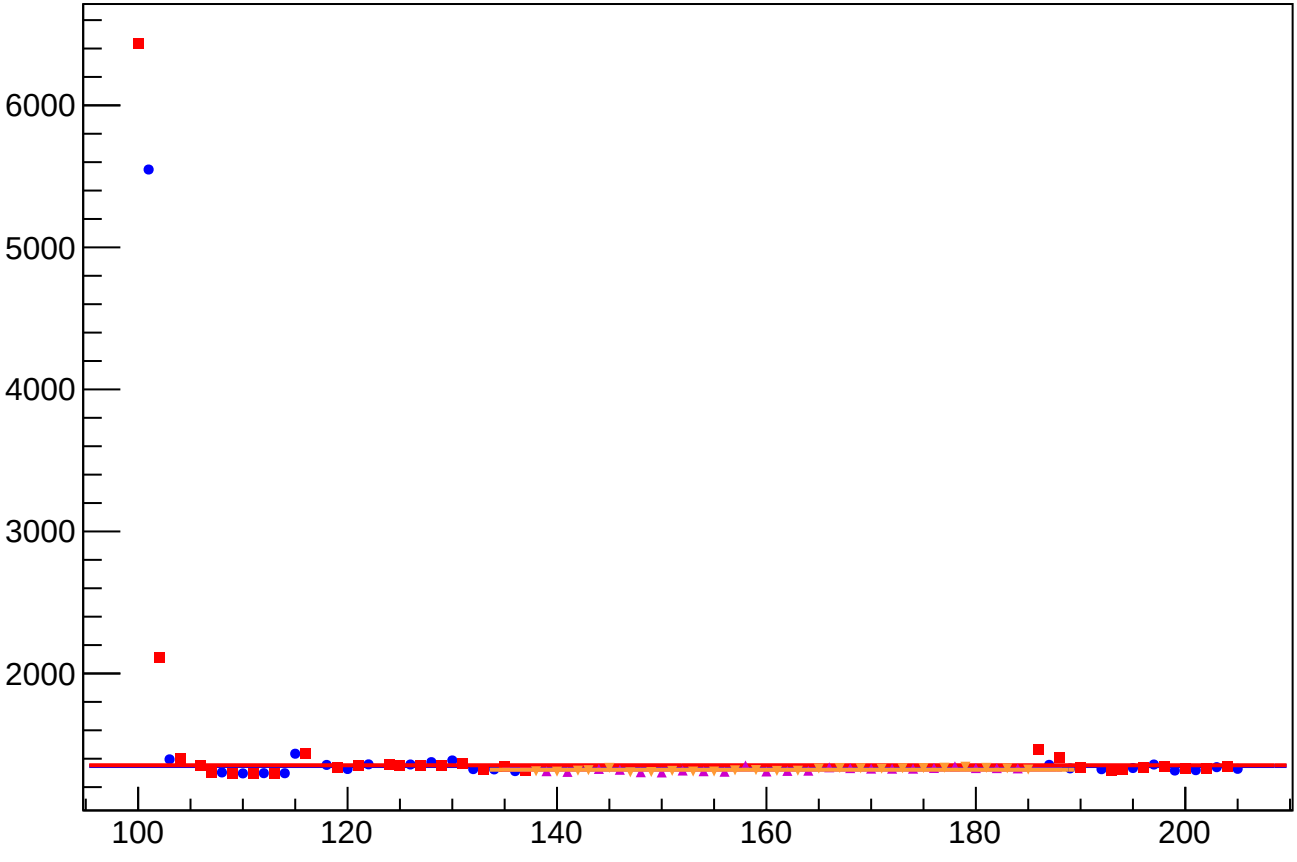
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -69.335+/-231.672 χ^2/NDF: 60.6/49

All: 73.757+/-163.909 χ^2/NDF: 108.4/101

- sign 217.170+/-231.932 χ^2/NDF: 47.0/51

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

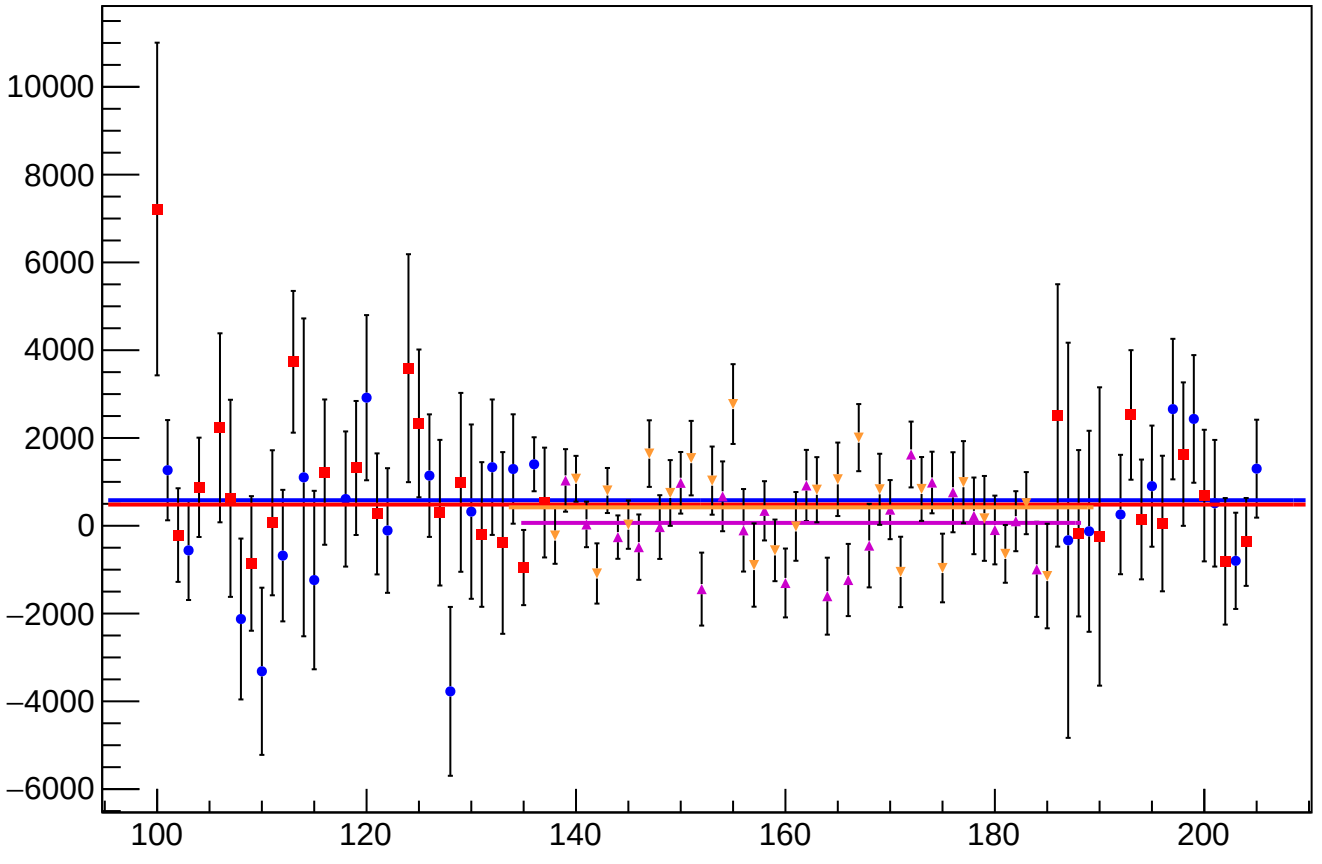
Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.943+/-0.164 χ^2/NDF: 773372.1/49

All: 1334.826+/-0.116 χ^2/NDF: 1003361.8/10

- sign 1336.714+/-0.164 χ^2/NDF: 229725.1/51



Right In: 581.736+/-276.130 χ^2/NDF: 24.3/24

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 483.207+/-282.402 χ^2/NDF: 20.4/28

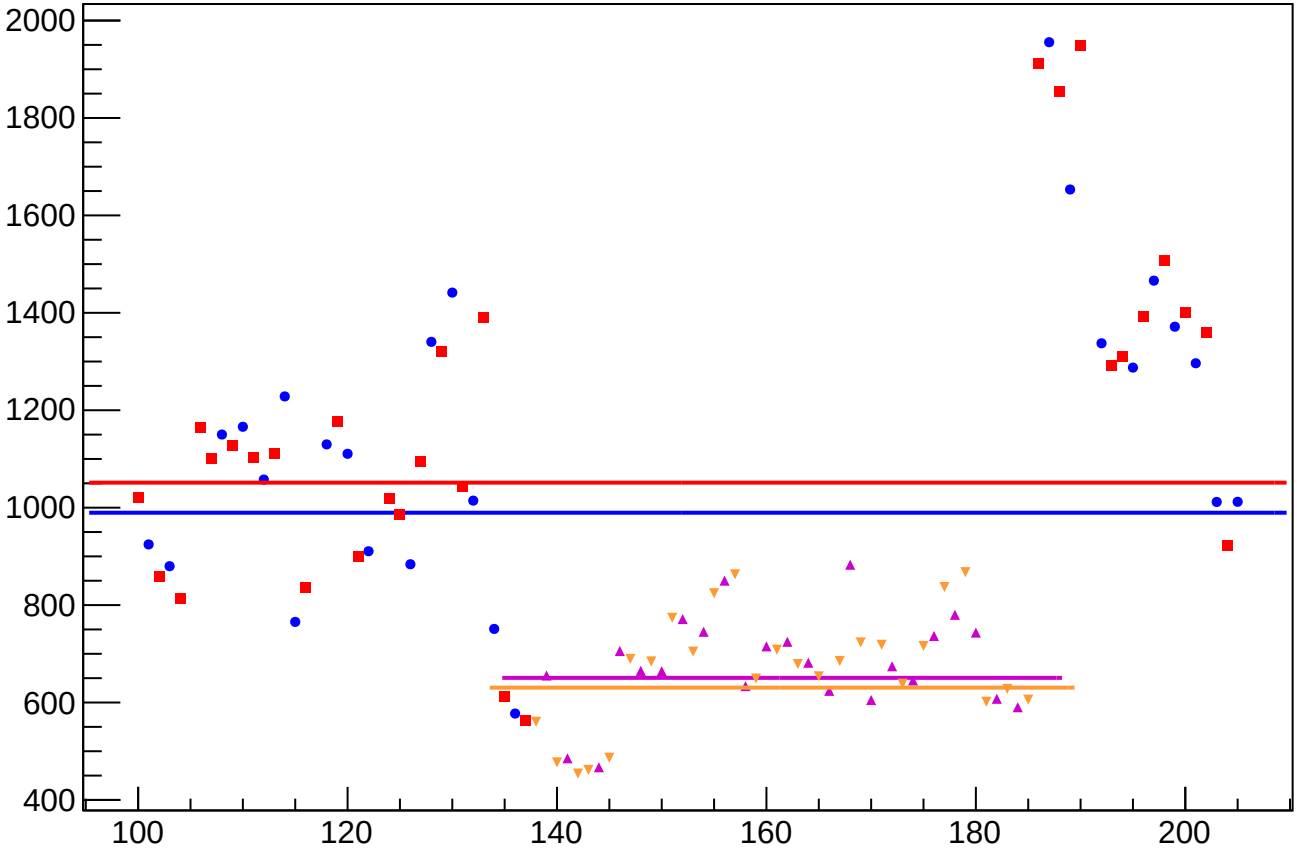
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 455.423+/-129.370 χ^2/NDF: 66.1/49

All: 315.049+/-93.523 χ^2/NDF: 117.6/101

\- sign 161.386+/-135.355 χ^2/NDF: 49.1/51

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 989.635+/-0.195 χ^2/NDF: 2171375.5/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1051.397+/-0.200 χ^2/NDF: 2443625.1/28

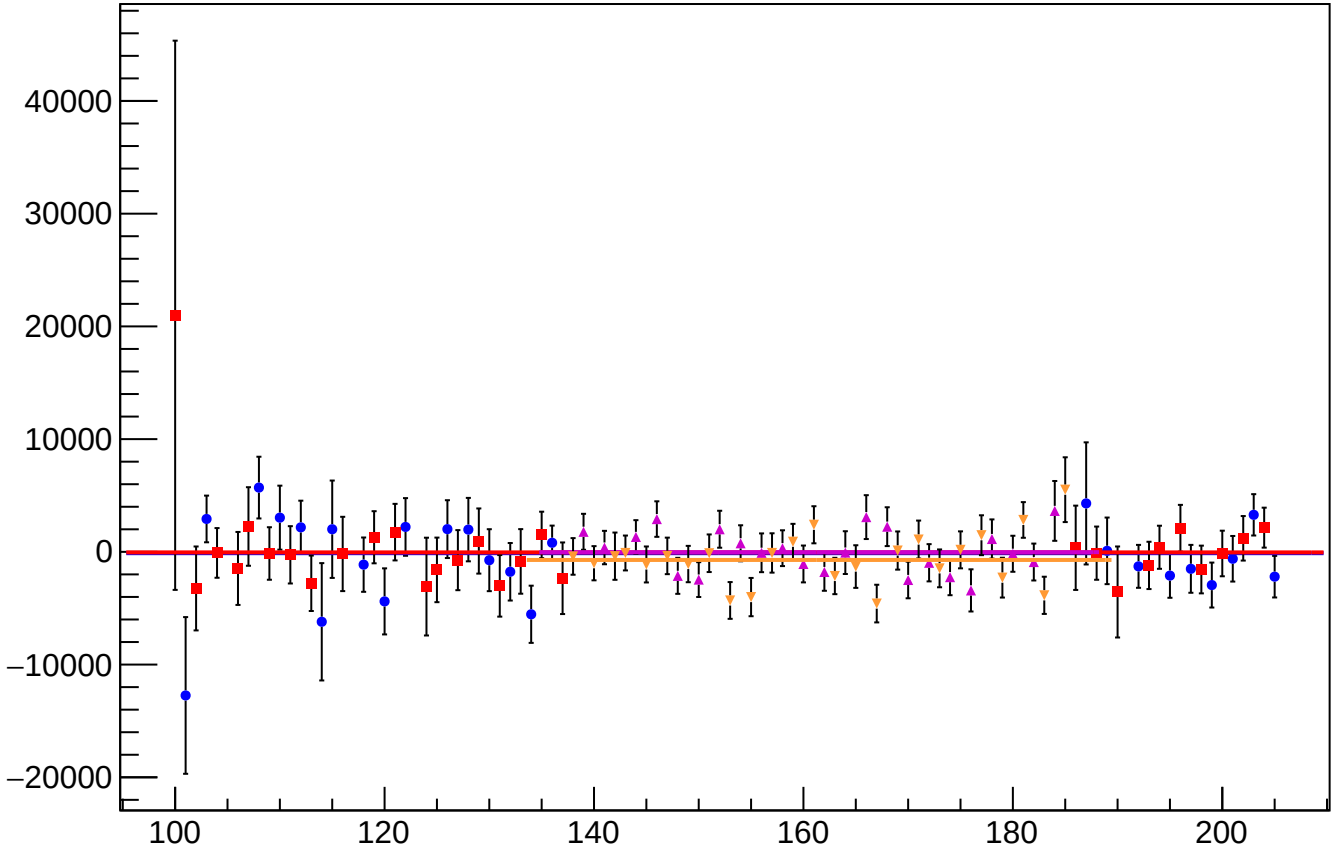
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 709.403+/-0.091 χ^2/NDF: 6139153.9/49

All: 725.301+/-0.066 χ^2/NDF: 12670576.0/10

- sign 742.704+/-0.096 χ^2/NDF: 6468159.5/51

asym_usr_atr1_dd_mean vs Slug



Right In: -118.016+/-478.663 χ^2/NDF: 32.8/24

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -47.843+/-470.650 χ^2/NDF: 12.2/28

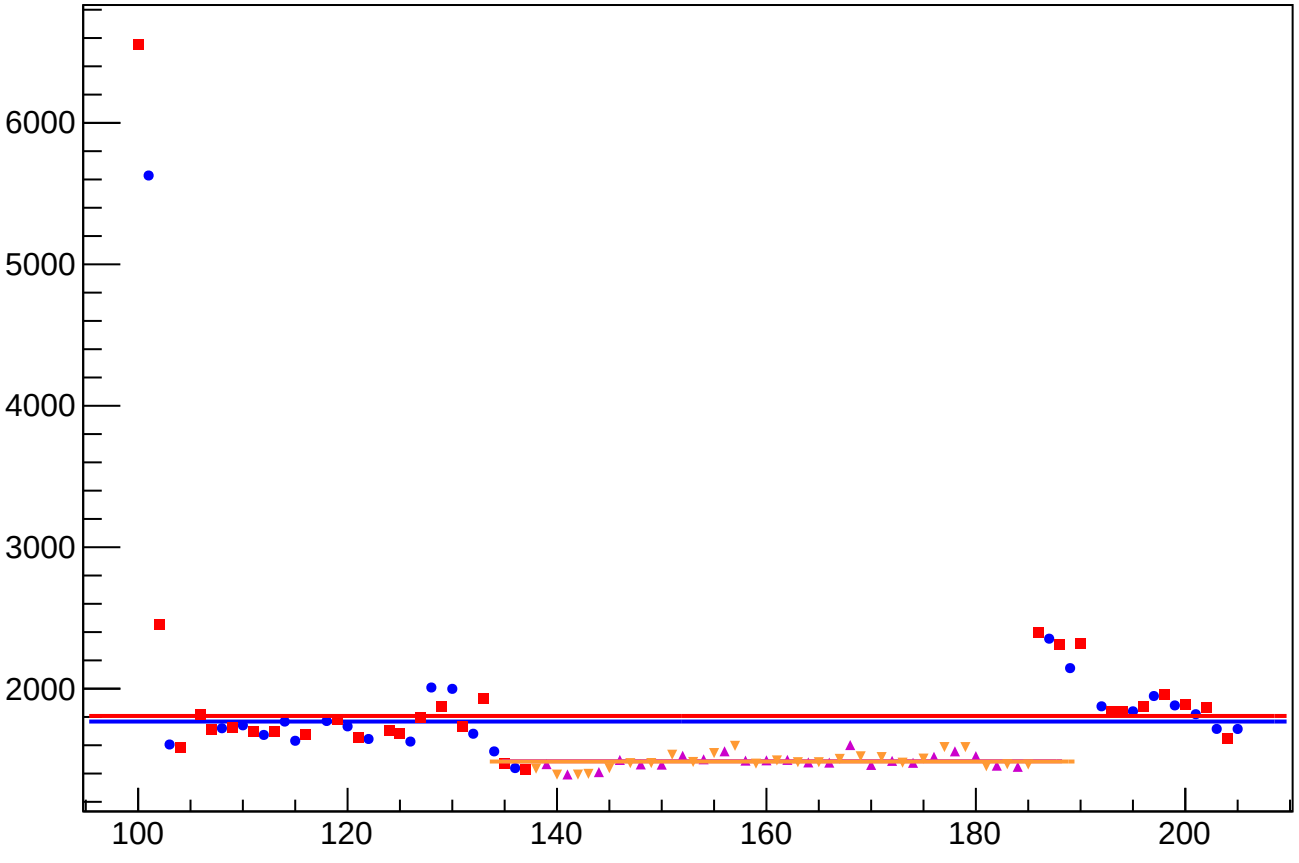
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -518.900+/-275.872 χ^2/NDF: 71.6/49

All: -279.966+/-196.345 χ^2/NDF: 113.3/101

- sign -34.684+/-279.512 χ^2/NDF: 40.2/51

asym_usr_atr1_dd_rms vs Slug



Right In: 1767.653+/-0.338 χ^2/NDF: 874948.8/24

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1807.136+/-0.333 χ^2/NDF: 479506.0/28

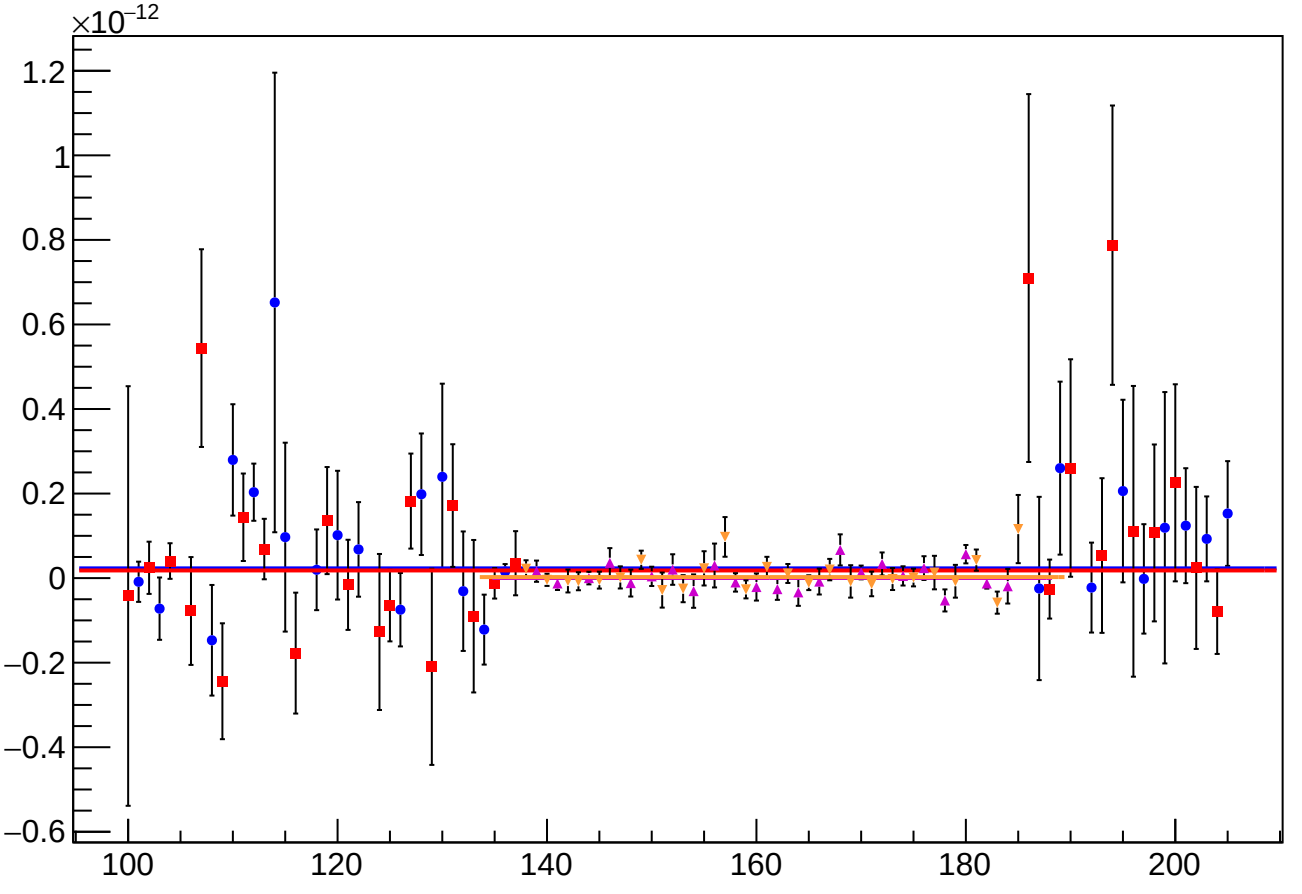
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1578.861+/-0.195 χ^2/NDF: 1391728.0/49

All: 1589.285+/-0.139 χ^2/NDF: 2510392.2/10

- sign 1599.985+/-0.198 χ^2/NDF: 1112878.1/51

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

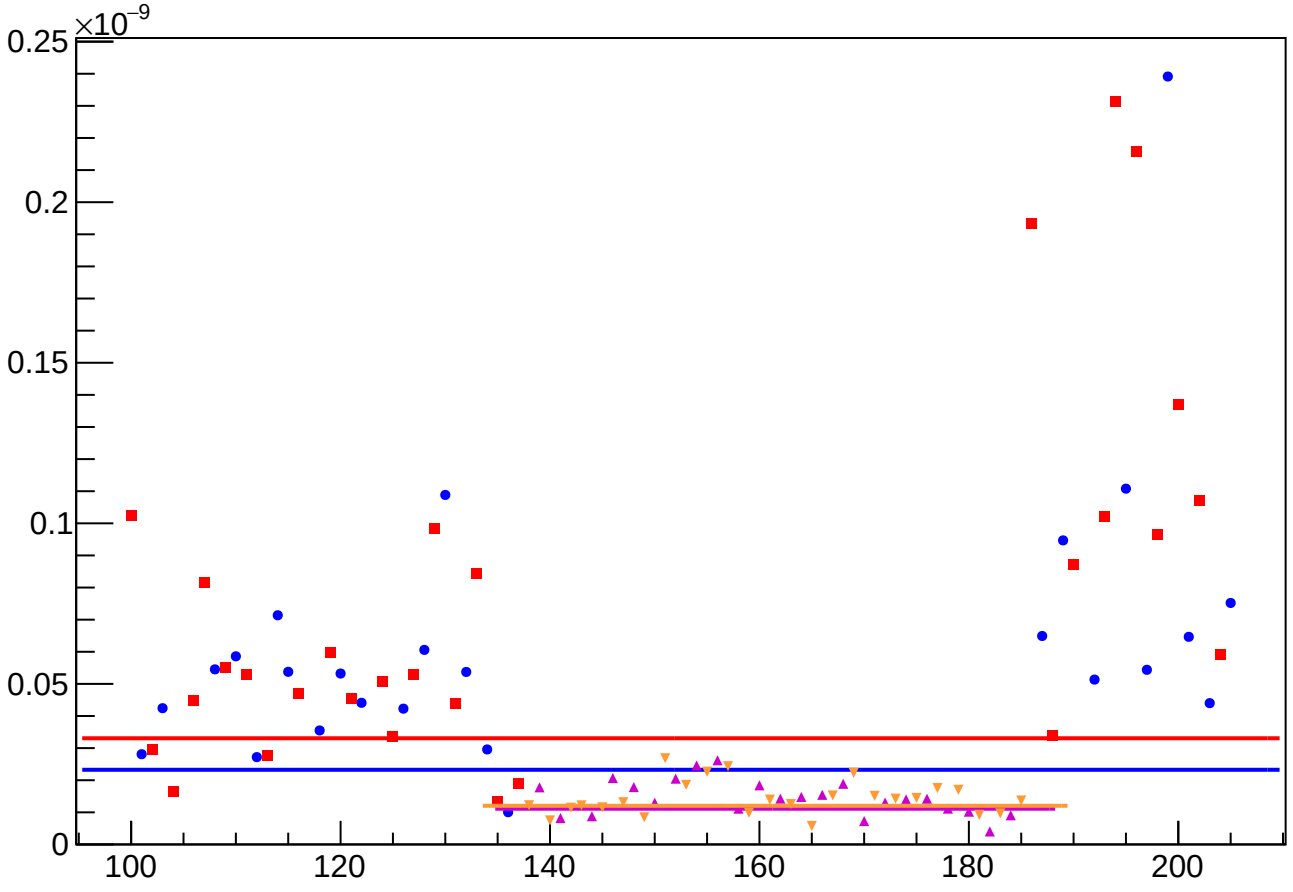
Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/28

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/49

All: 0.000+/-0.000 χ^2/NDF: 114.3/101

- sign 0.000+/-0.000 χ^2/NDF: 58.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 4846203.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766915.1/28

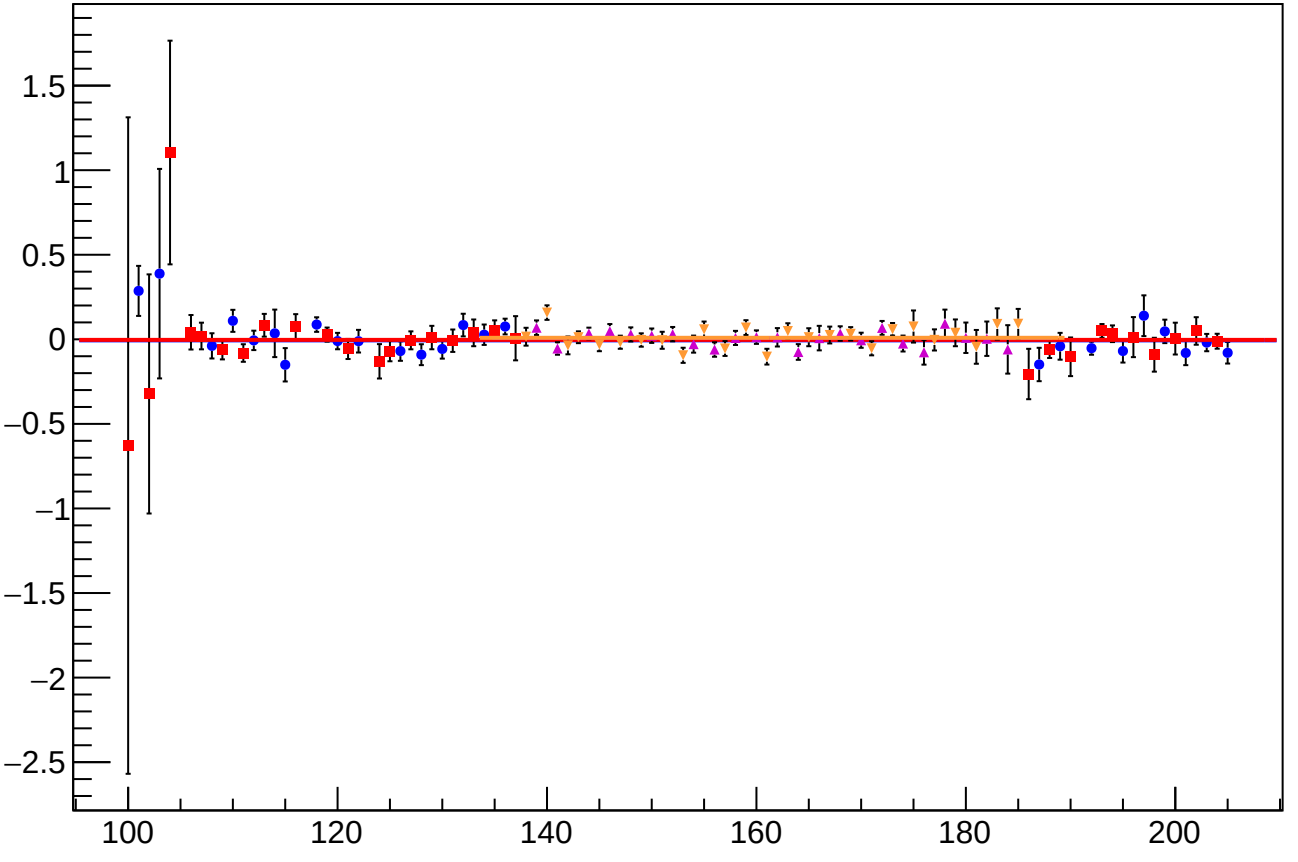
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7540827.0/49

All: 0.000+/-0.000 χ^2/NDF: 17387789.5/101

- sign 0.000+/-0.000 χ^2/NDF: 9825501.7/51

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

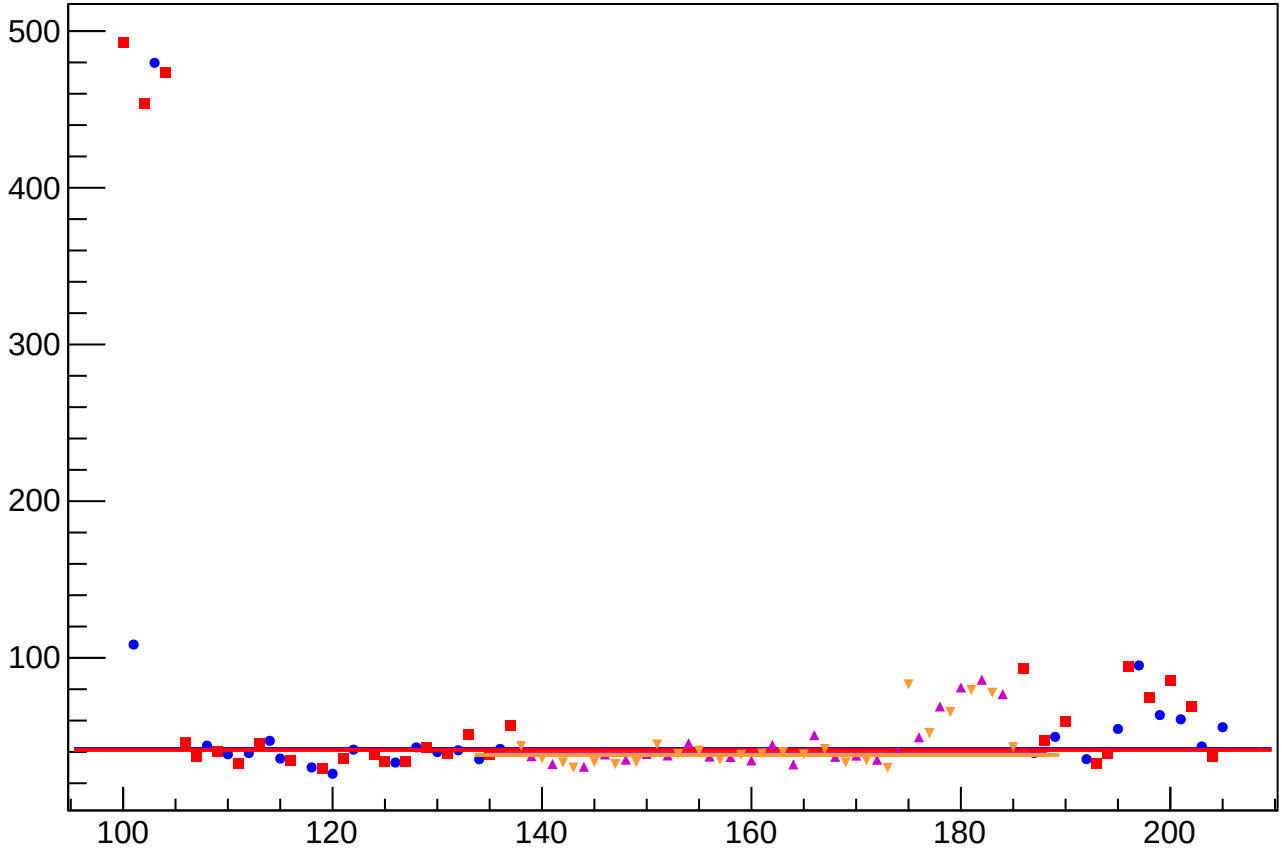
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.003+/-0.005 χ^2/NDF: 113.9/101

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

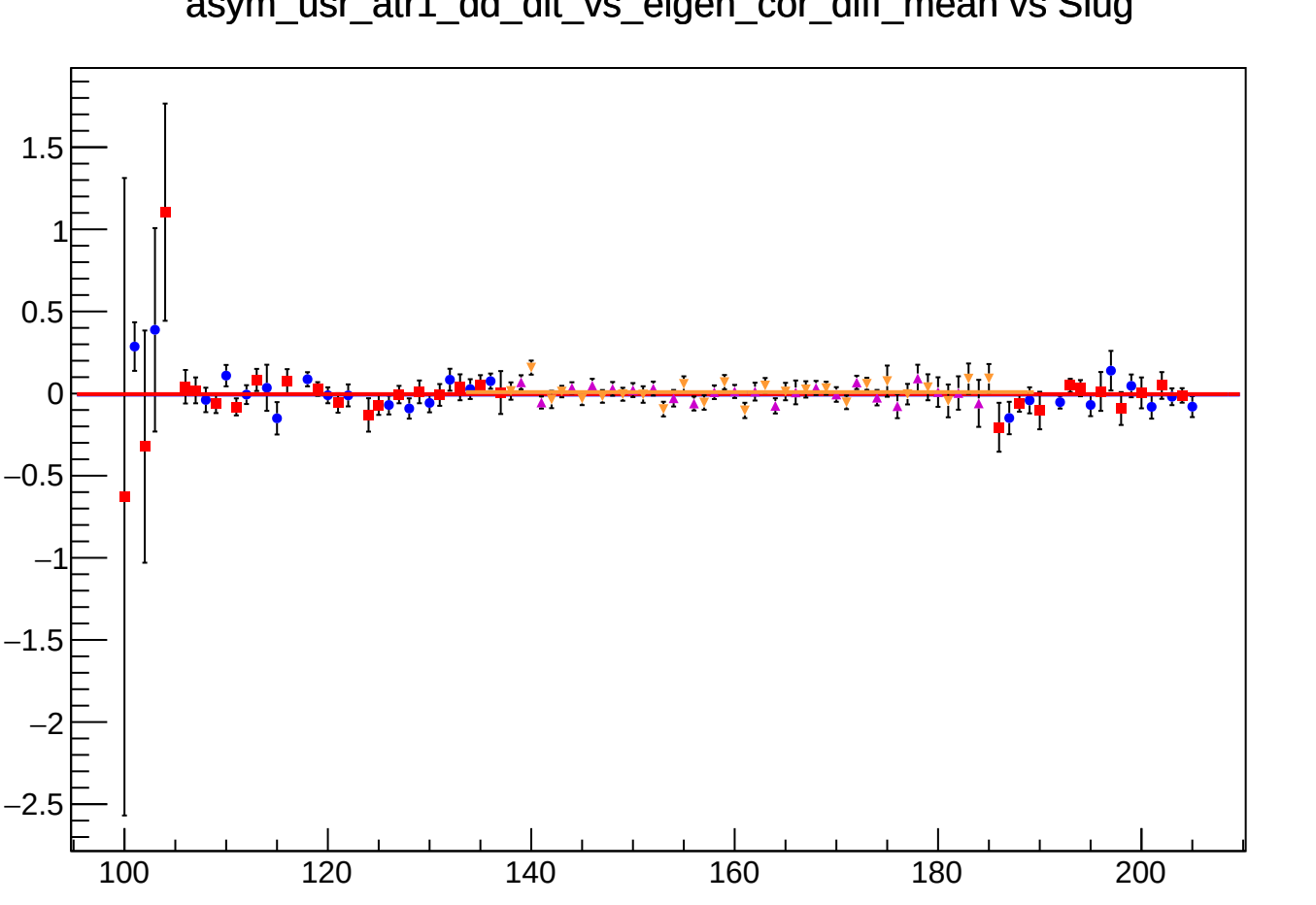
Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.429+/-0.005 χ^2/NDF: 4908900.1/49

All: 39.537+/-0.004 χ^2/NDF: 10489258.7/101

- sign 39.649+/-0.005 χ^2/NDF: 5579539.4/51



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

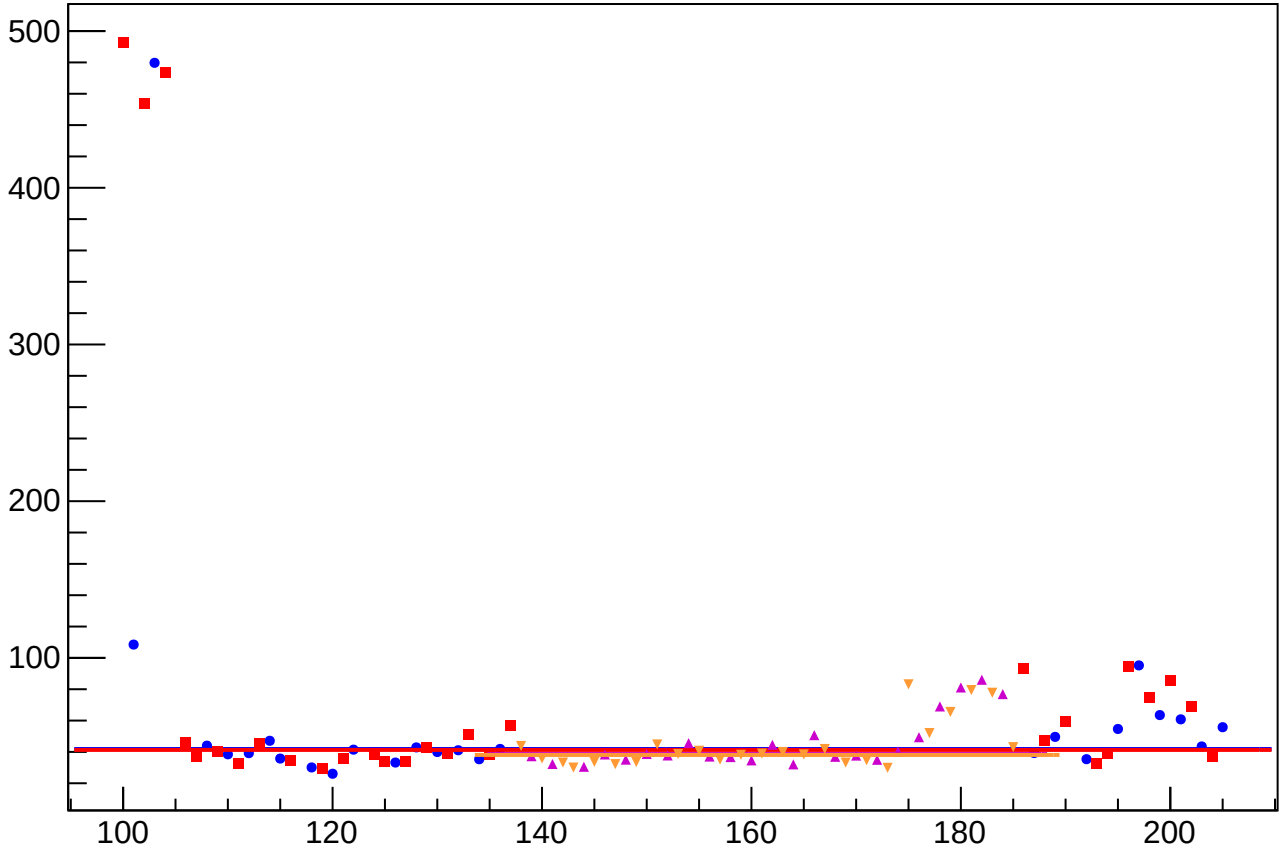
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.003+/-0.005 χ^2/NDF: 113.9/101

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

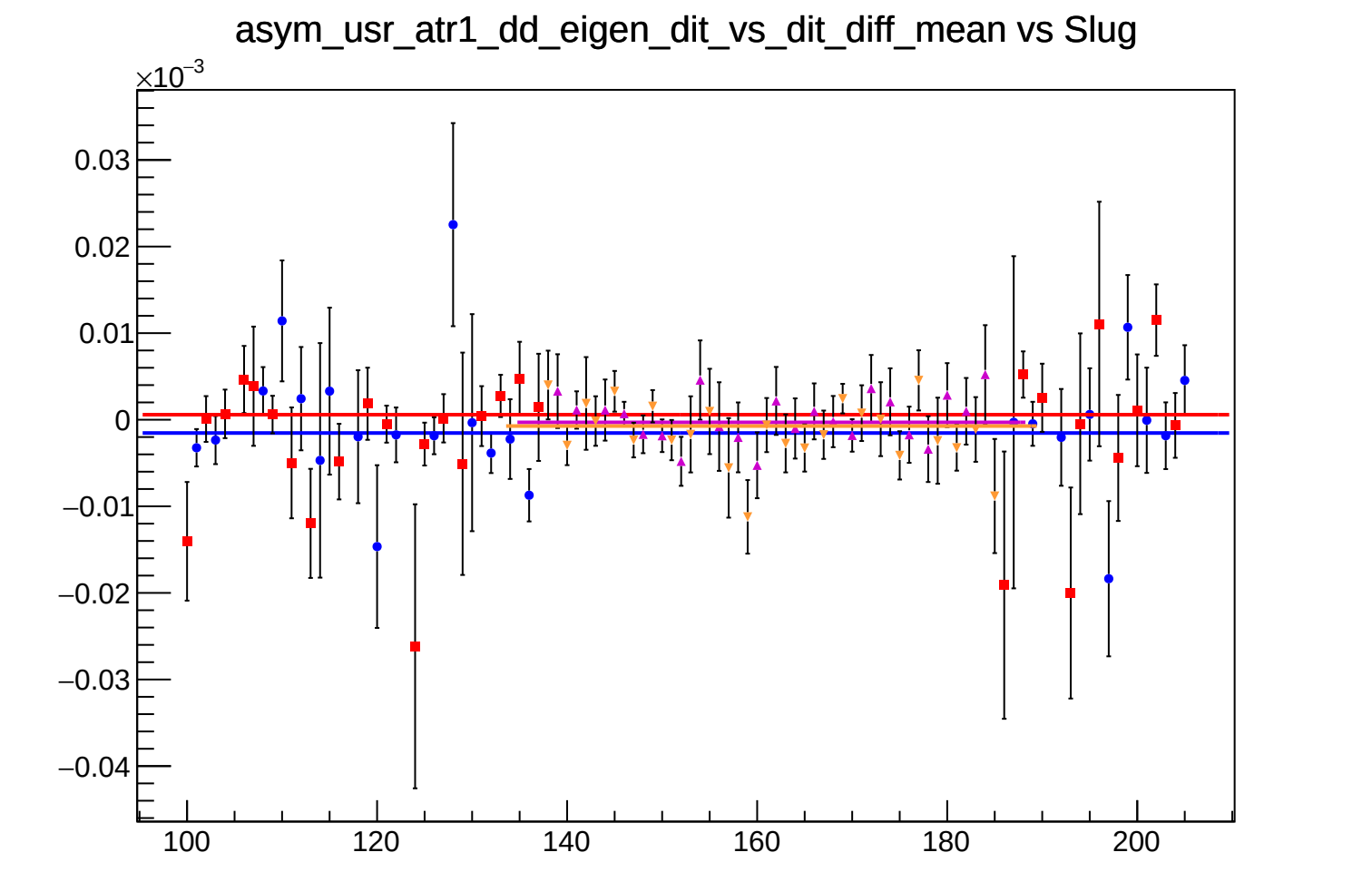
Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.429+/-0.005 χ^2/NDF: 4908900.1/49

All: 39.537+/-0.004 χ^2/NDF: 10489258.7/101

- sign 39.649+/-0.005 χ^2/NDF: 5579539.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

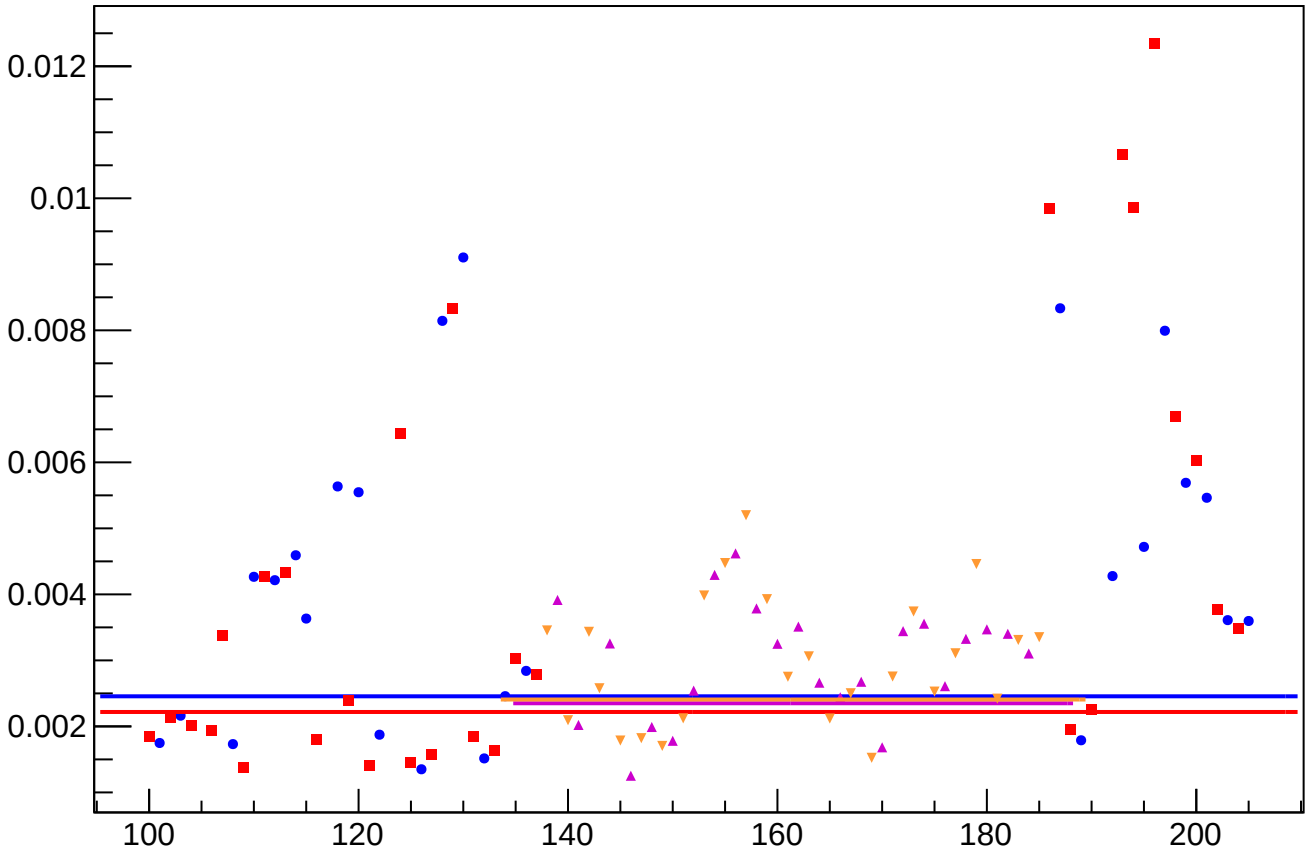
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/49

All: -0.000+/-0.000 χ^2/NDF: 110.8/101

- sign 0.000+/-0.000 χ^2/NDF: 49.7/51



Right In: 0.002+/-0.000 χ^2/NDF: 6386885.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

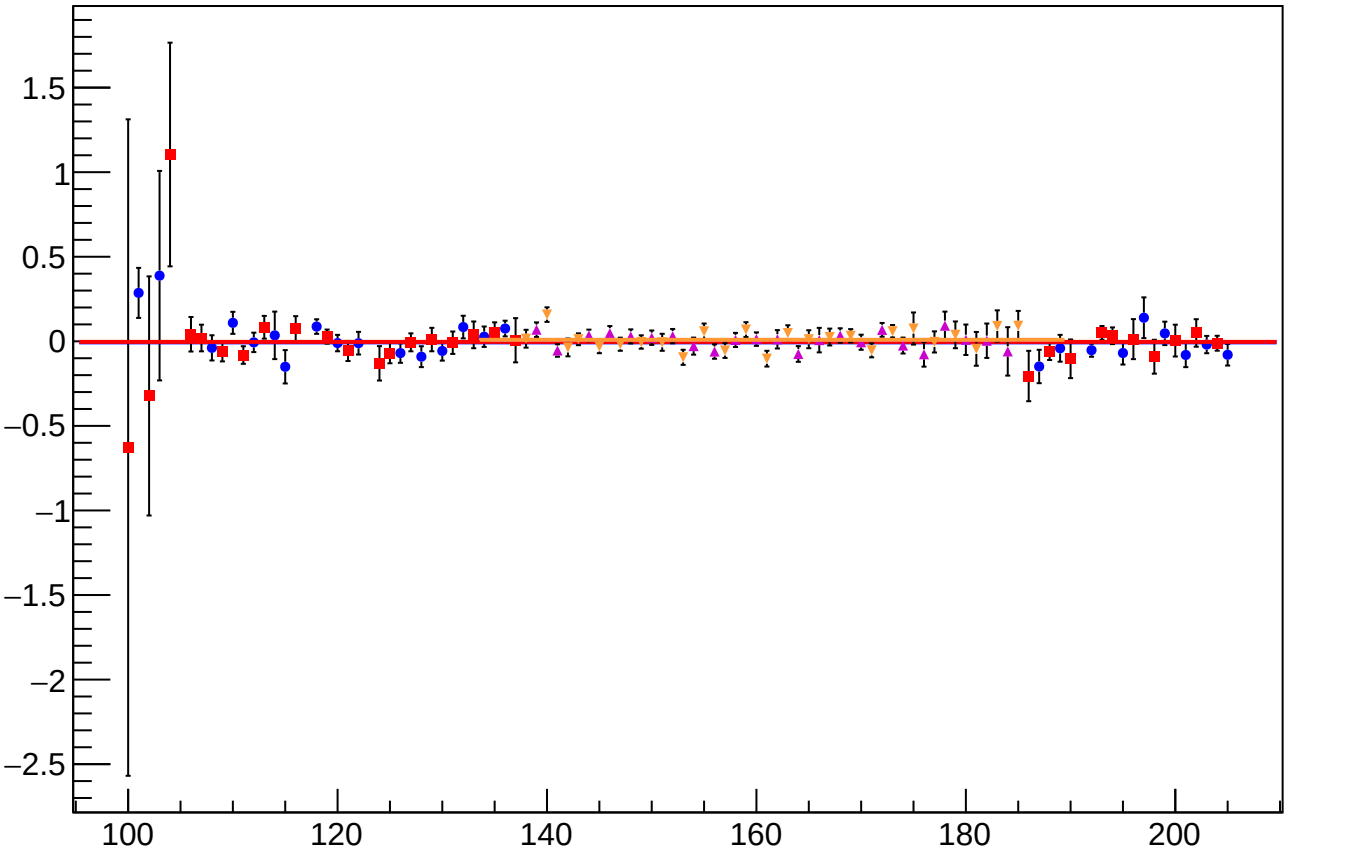
Right Out: 0.002+/-0.000 χ^2/NDF: 7778636.1/28

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 10074871.9/49

All: 0.002+/-0.000 χ^2/NDF: 22411316.3/101

- sign 0.002+/-0.000 χ^2/NDF: 12257738.1/51



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

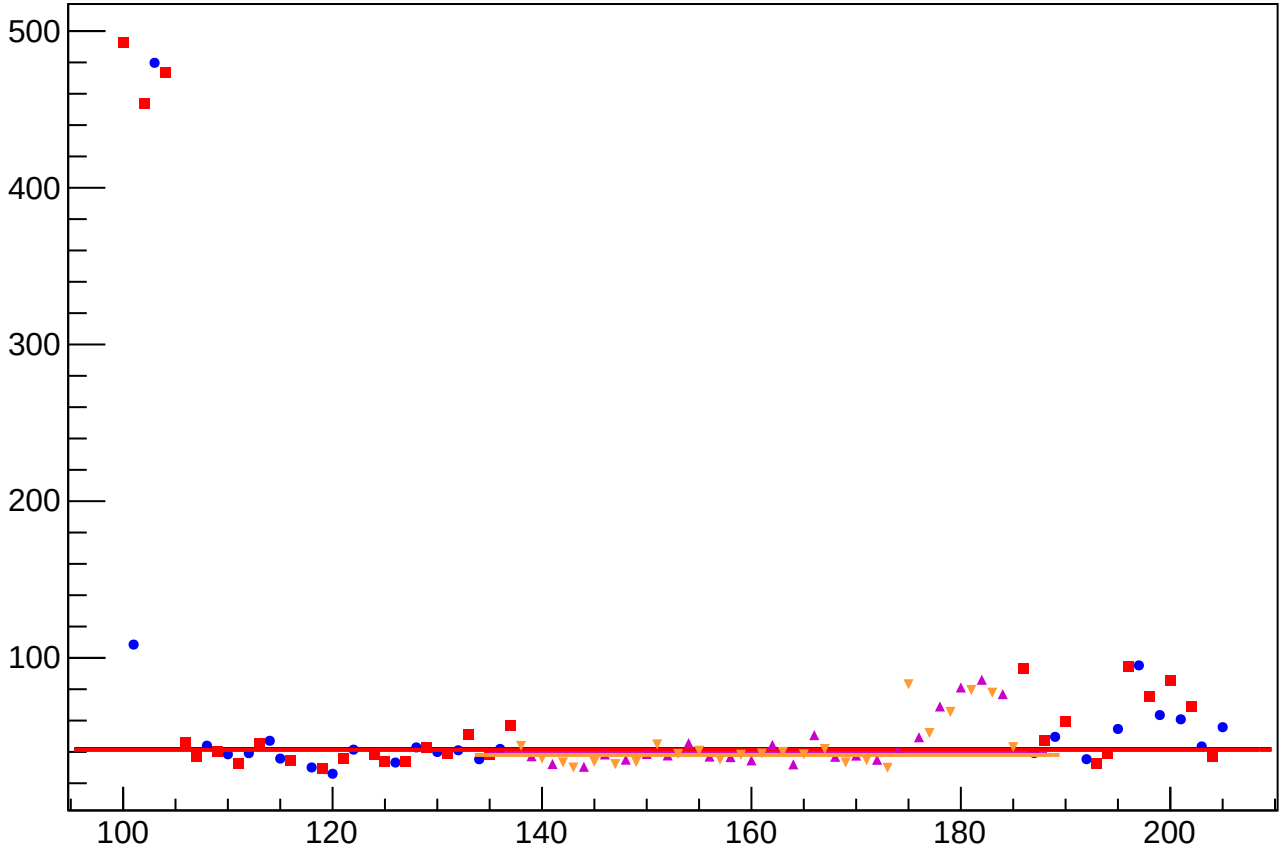
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.003+/-0.005 χ^2/NDF: 113.9/101

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

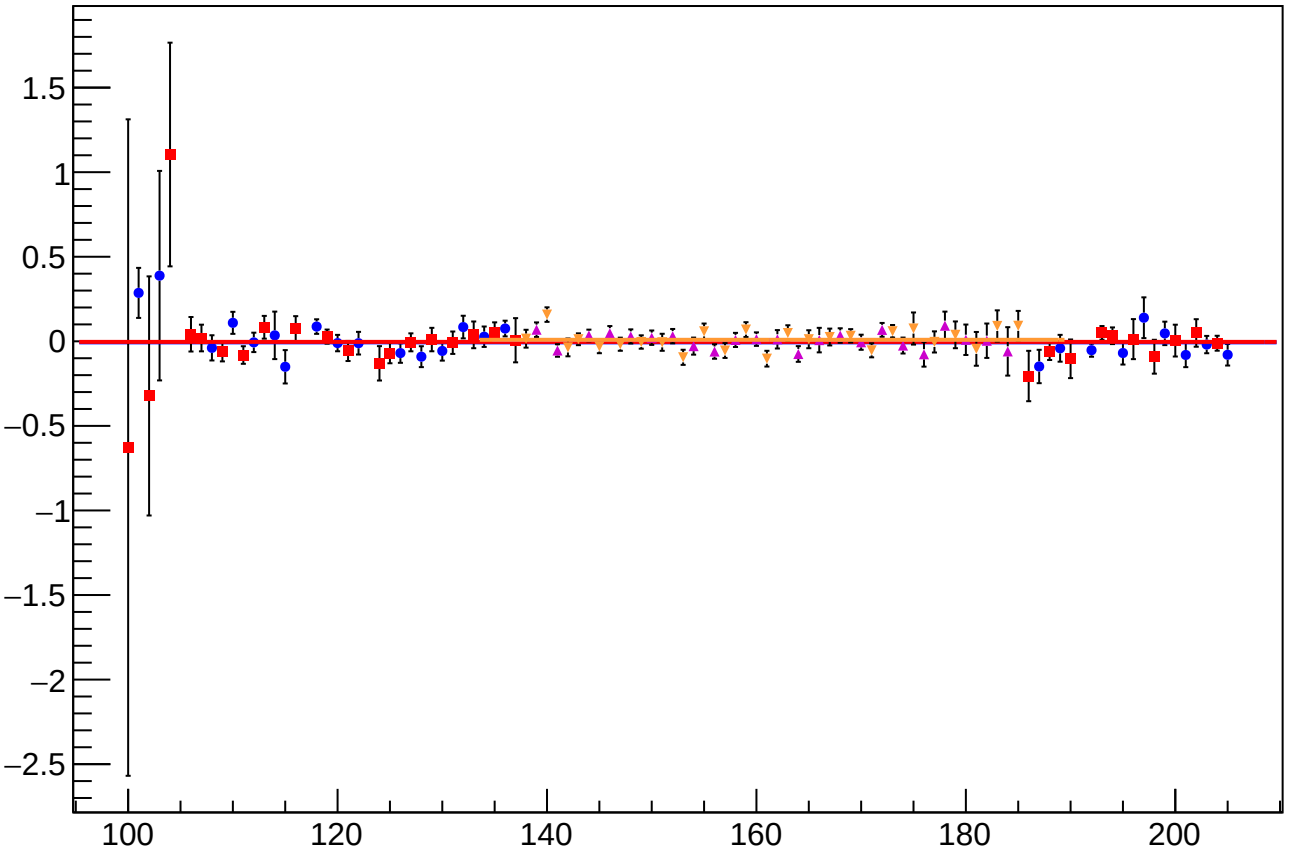
Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.428+/-0.005 χ^2/NDF: 4909037.4/49

All: 39.536+/-0.004 χ^2/NDF: 10489779.3/101

- sign 39.648+/-0.005 χ^2/NDF: 5579930.4/51



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

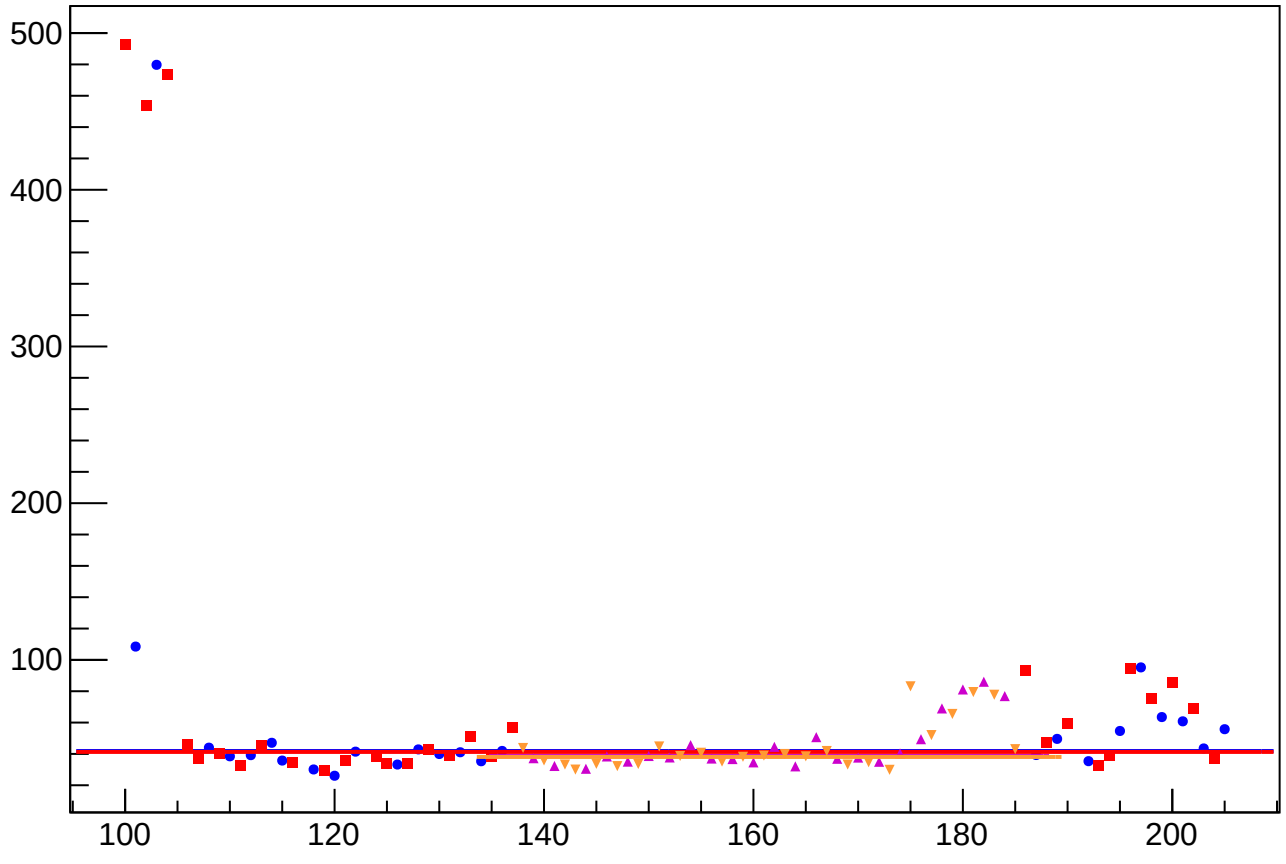
Right Out: -0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.003+/-0.005 χ^2/NDF: 113.9/101

- sign 0.004+/-0.008 χ^2/NDF: 41.6/51



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

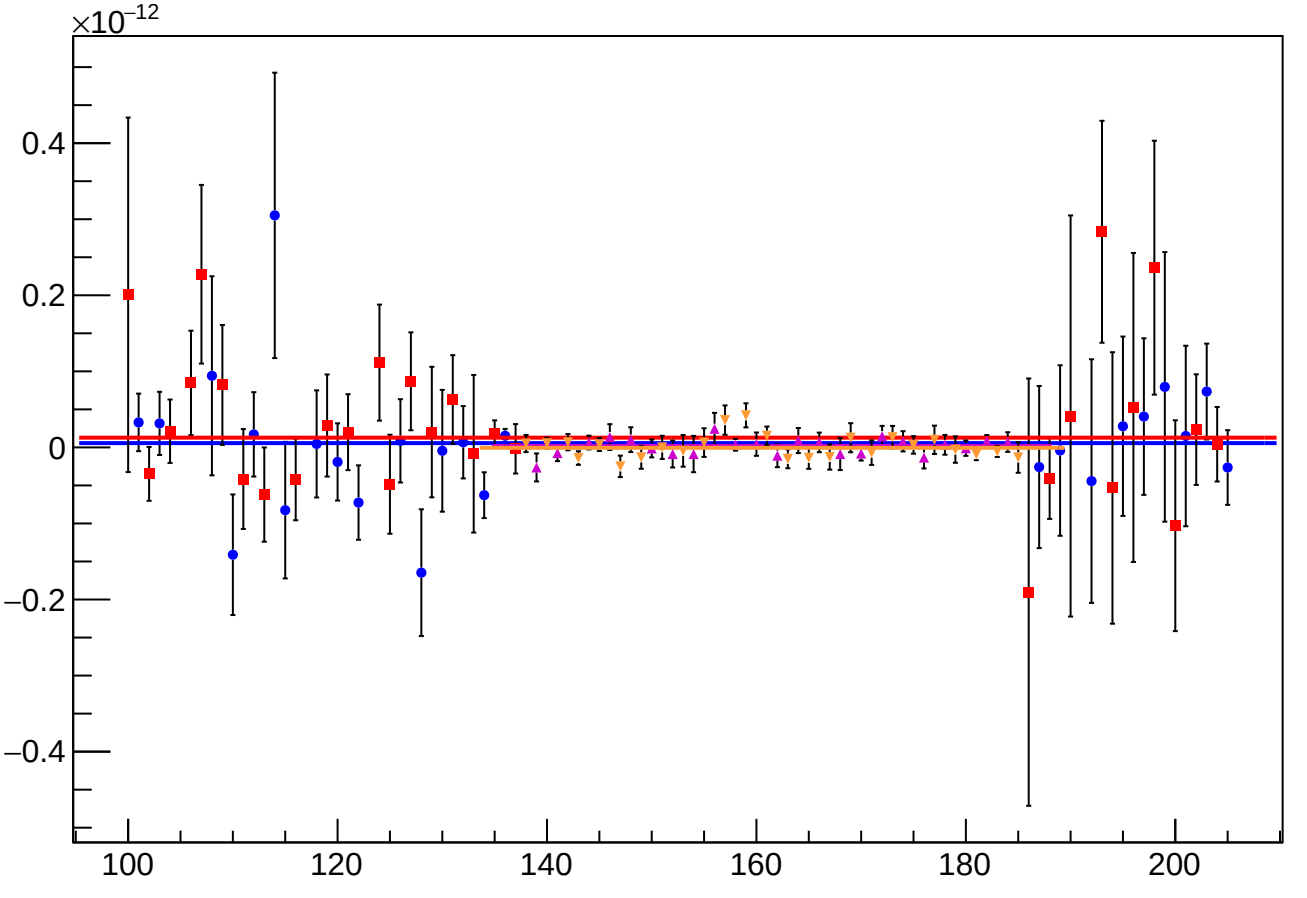
Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.428+/-0.005 χ^2/NDF: 4909037.4/49

All: 39.536+/-0.004 χ^2/NDF: 10489779.3/101

- sign 39.648+/-0.005 χ^2/NDF: 5579930.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

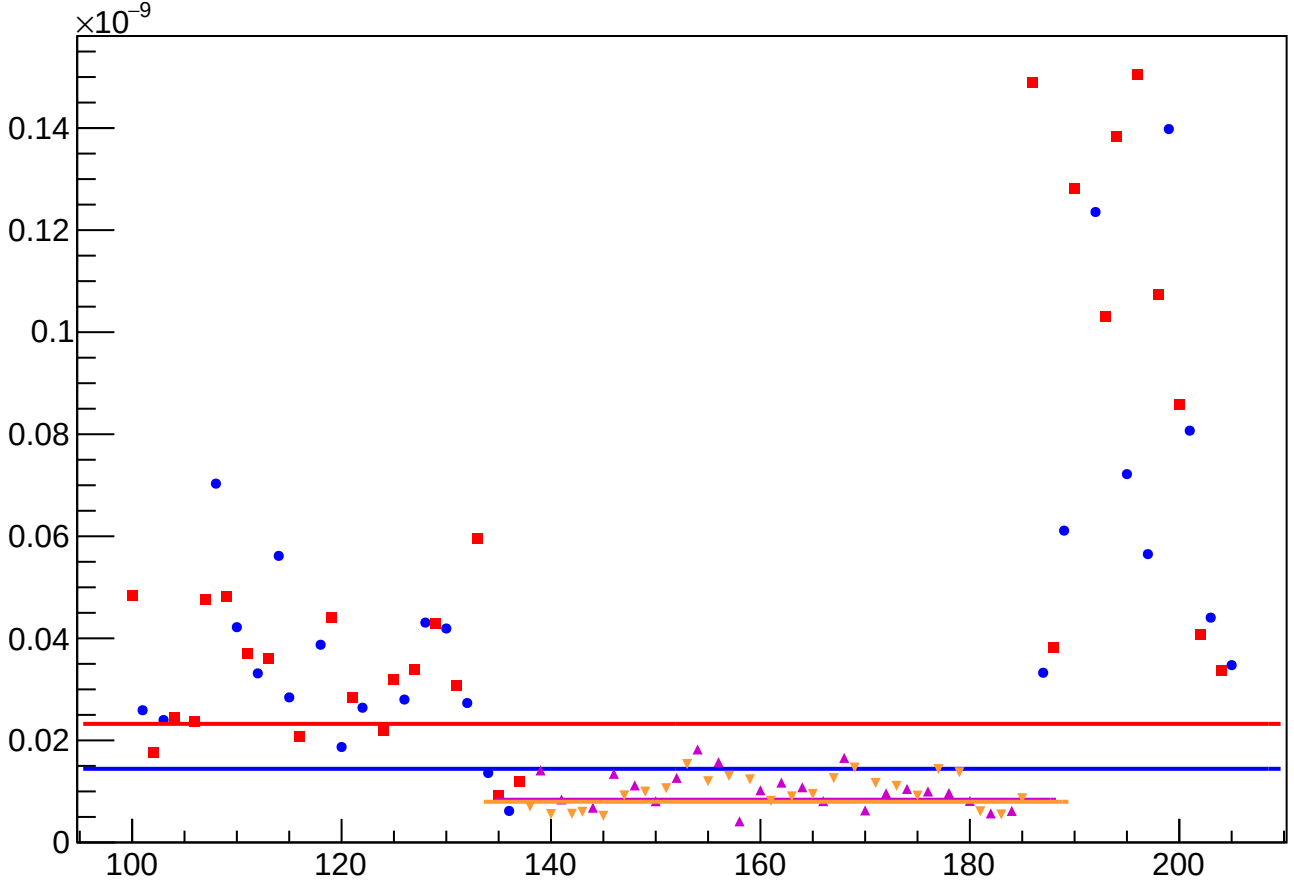
Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.3/49

All: 0.000+/-0.000 χ^2/NDF: 88.3/101

- sign 0.000+/-0.000 χ^2/NDF: 36.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 8634940.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7069277.9/28

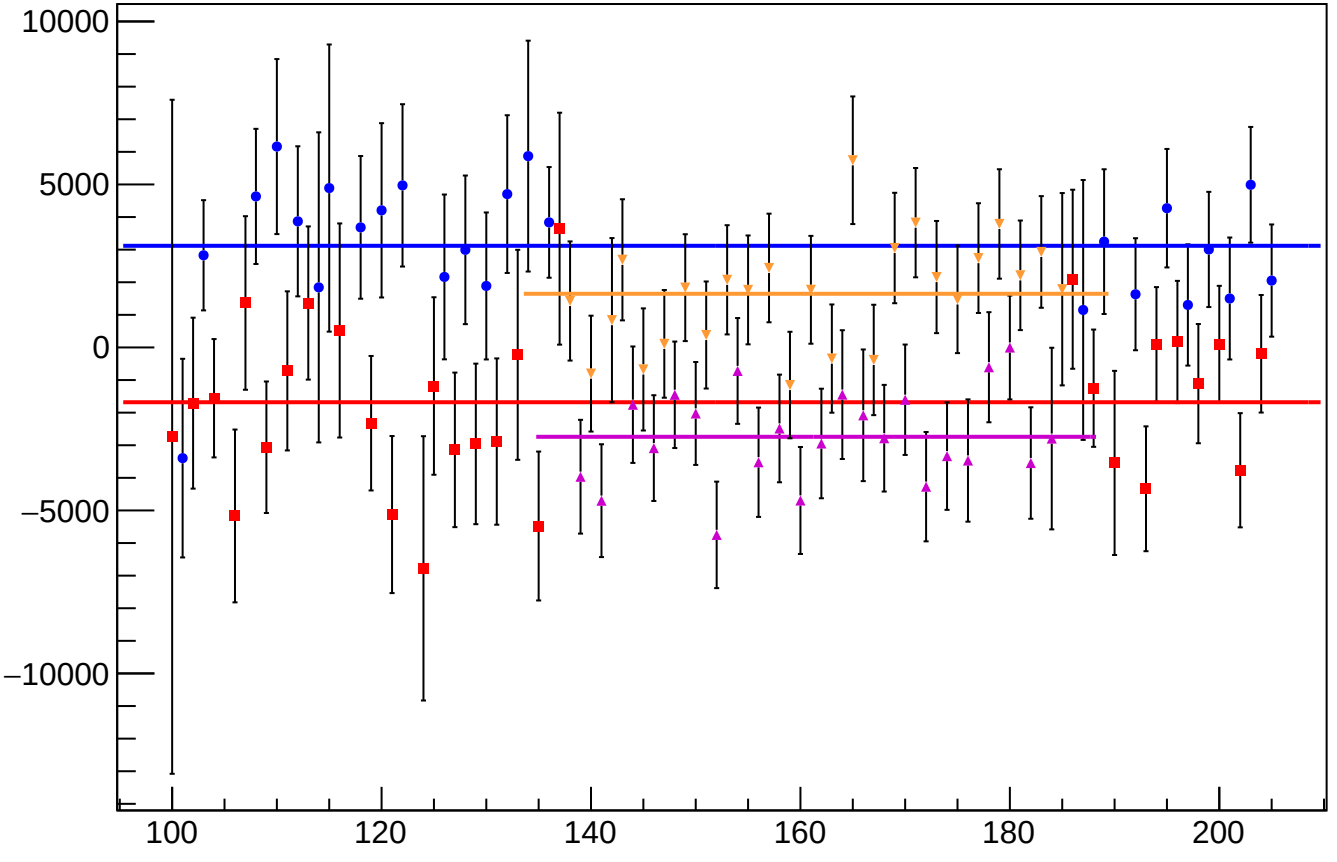
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12867261.3/49

All: 0.000+/-0.000 χ^2/NDF: 27009747.2/101

- sign 0.000+/-0.000 χ^2/NDF: 14055791.8/51

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3118.222+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1680.709+/-423.035 χ^2/NDF: 25.1/28

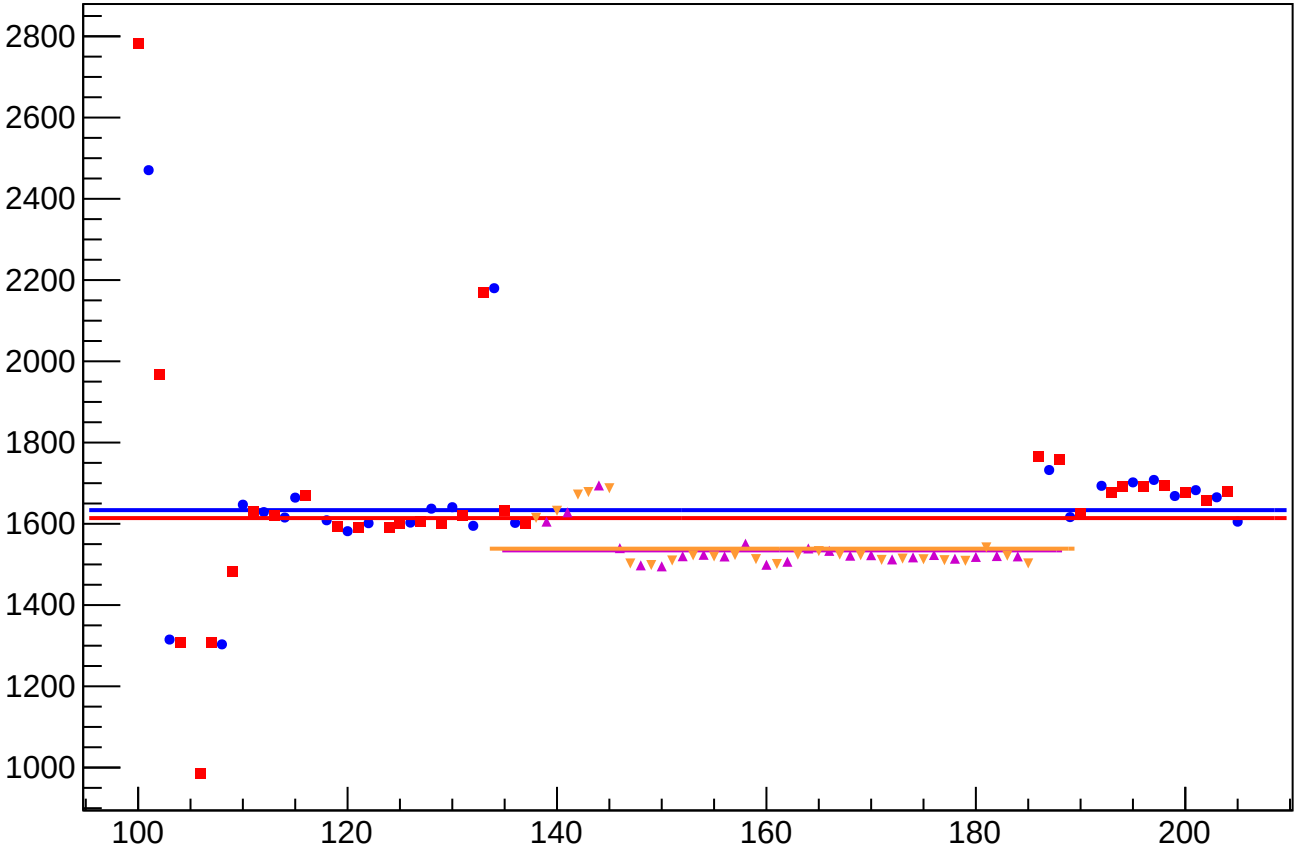
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2220.259+/-273.193 χ^2/NDF: 41.7/49

All: -36.410+/-193.278 χ^2/NDF: 223.6/101

- sign -2297.831+/-273.481 χ^2/NDF: 45.2/51

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.684+/-0.309 χ^2/NDF: 336489.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1614.078+/-0.297 χ^2/NDF: 443307.5/28

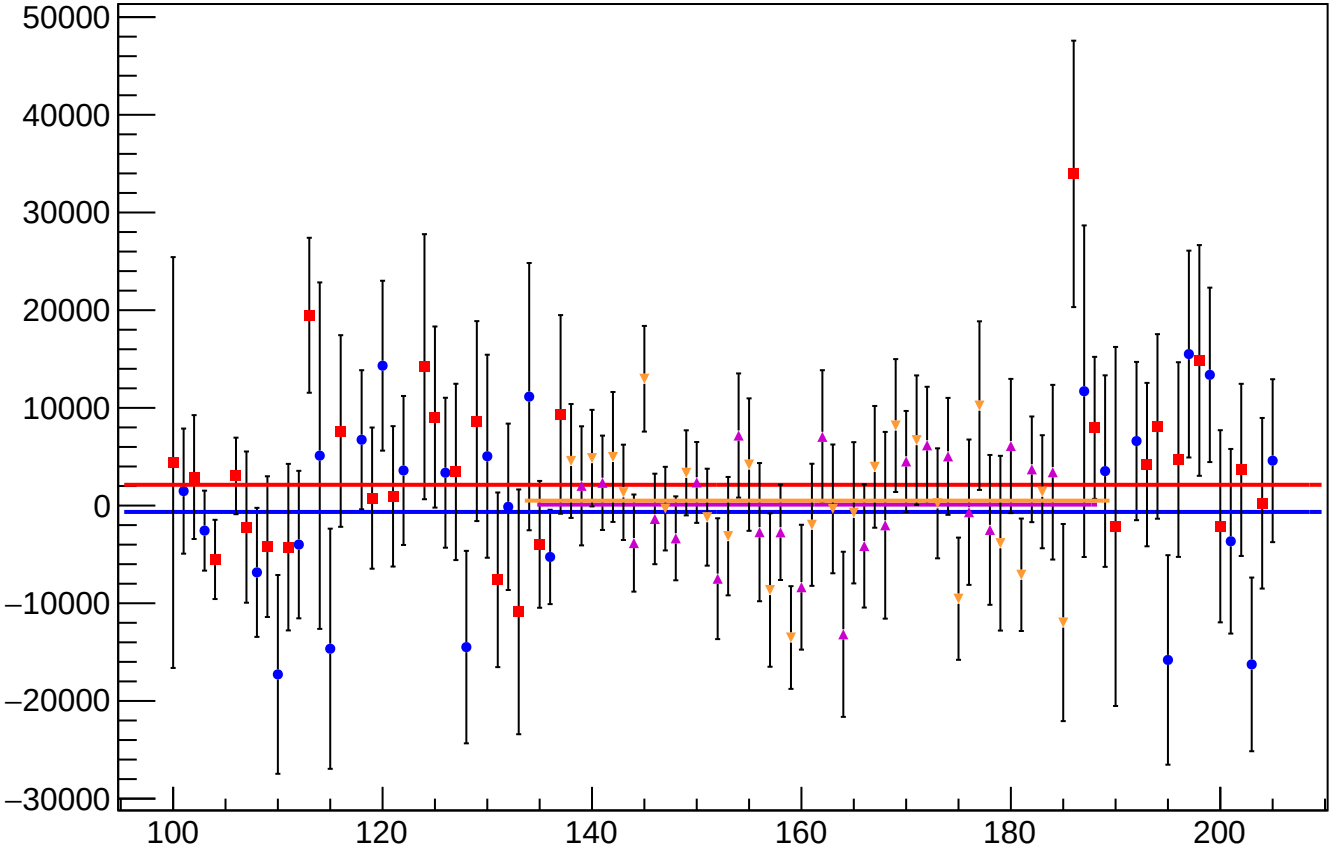
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.801+/-0.193 χ^2/NDF: 440923.4/49

All: 1571.973+/-0.136 χ^2/NDF: 957631.2/101

- sign 1568.164+/-0.193 χ^2/NDF: 515924.4/51

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -651.821+/-1600.779 χ^2/NDF: 25.9/24

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2126.610+/-1466.130 χ^2/NDF: 24.0/28

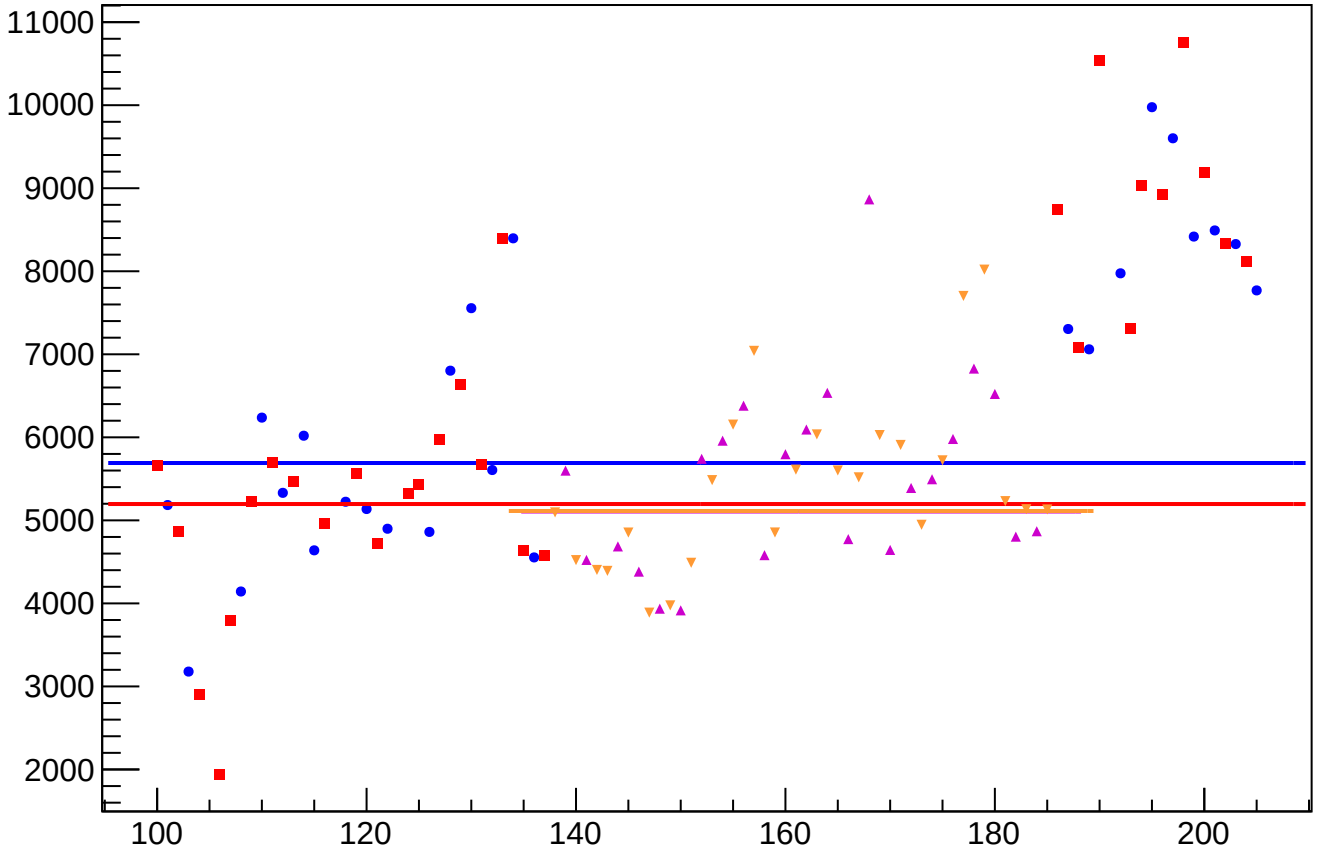
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 93.711+/-953.627 χ^2/NDF: 53.1/49

All: 517.299+/-668.248 χ^2/NDF: 93.4/101

- sign 925.975+/-936.690 χ^2/NDF: 40.0/51

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5690.750+/-1.132 χ^2/NDF: 2713053.3/24

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5196.714+/-1.037 χ^2/NDF: 4760603.4/28

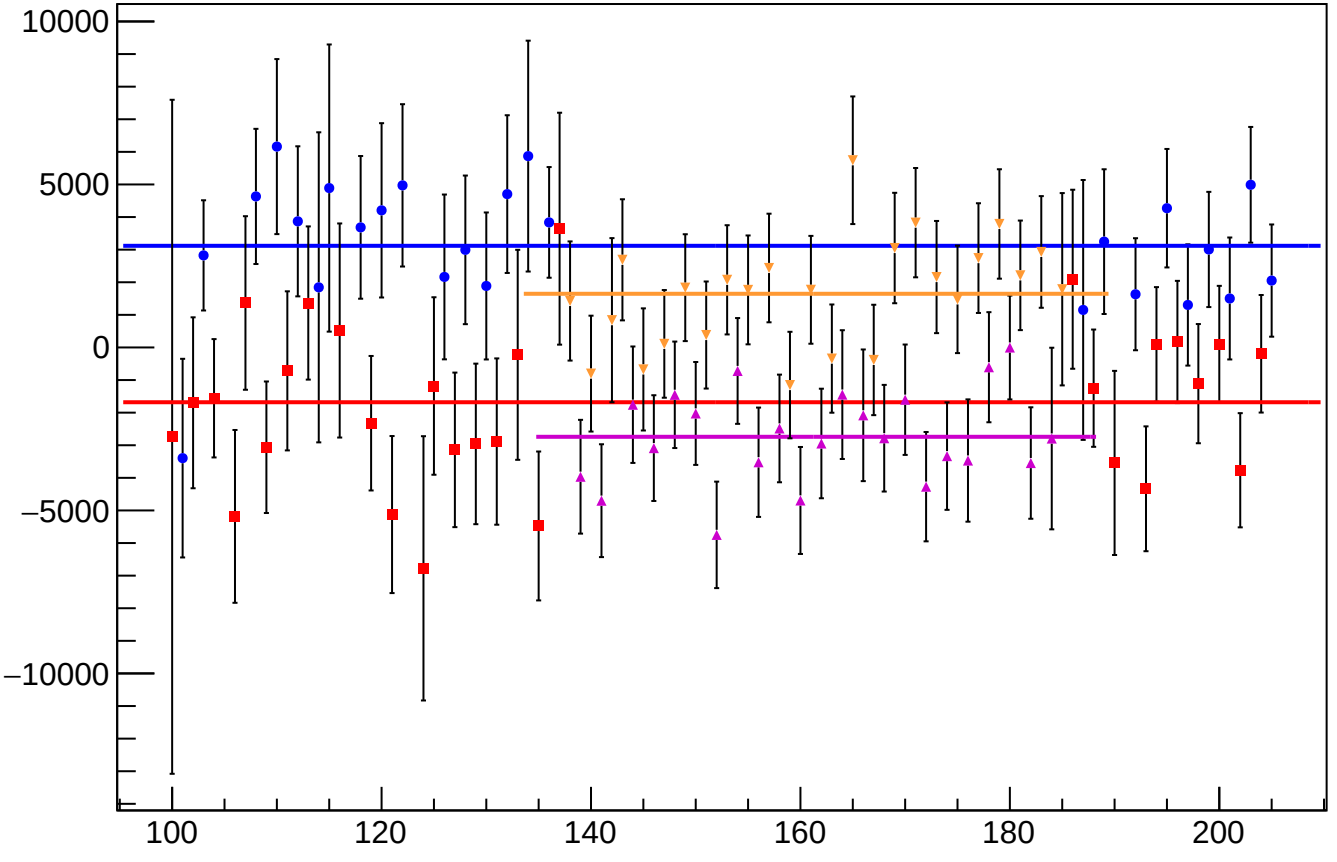
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5318.008+/-0.674 χ^2/NDF: 4040157.0/49

All: 5229.066+/-0.473 χ^2/NDF: 10091057.9/1

- sign 5143.256+/-0.662 χ^2/NDF: 6016718.5/51

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1680.695+/-423.036 χ^2/NDF: 25.1/28

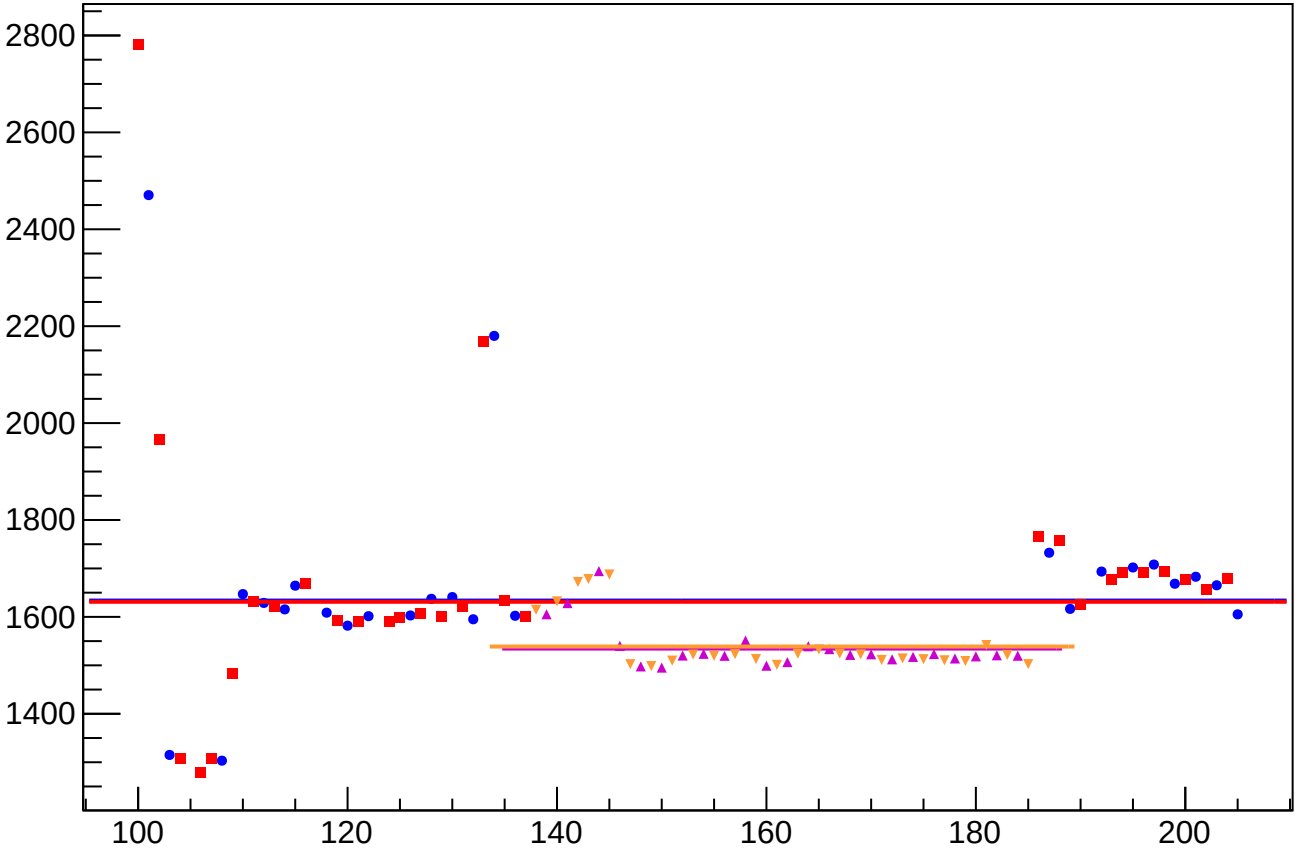
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2220.137+/-273.193 χ^2/NDF: 41.7/49

All: -36.437+/-193.279 χ^2/NDF: 223.6/101

- sign -2297.769+/-273.481 χ^2/NDF: 45.2/51

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

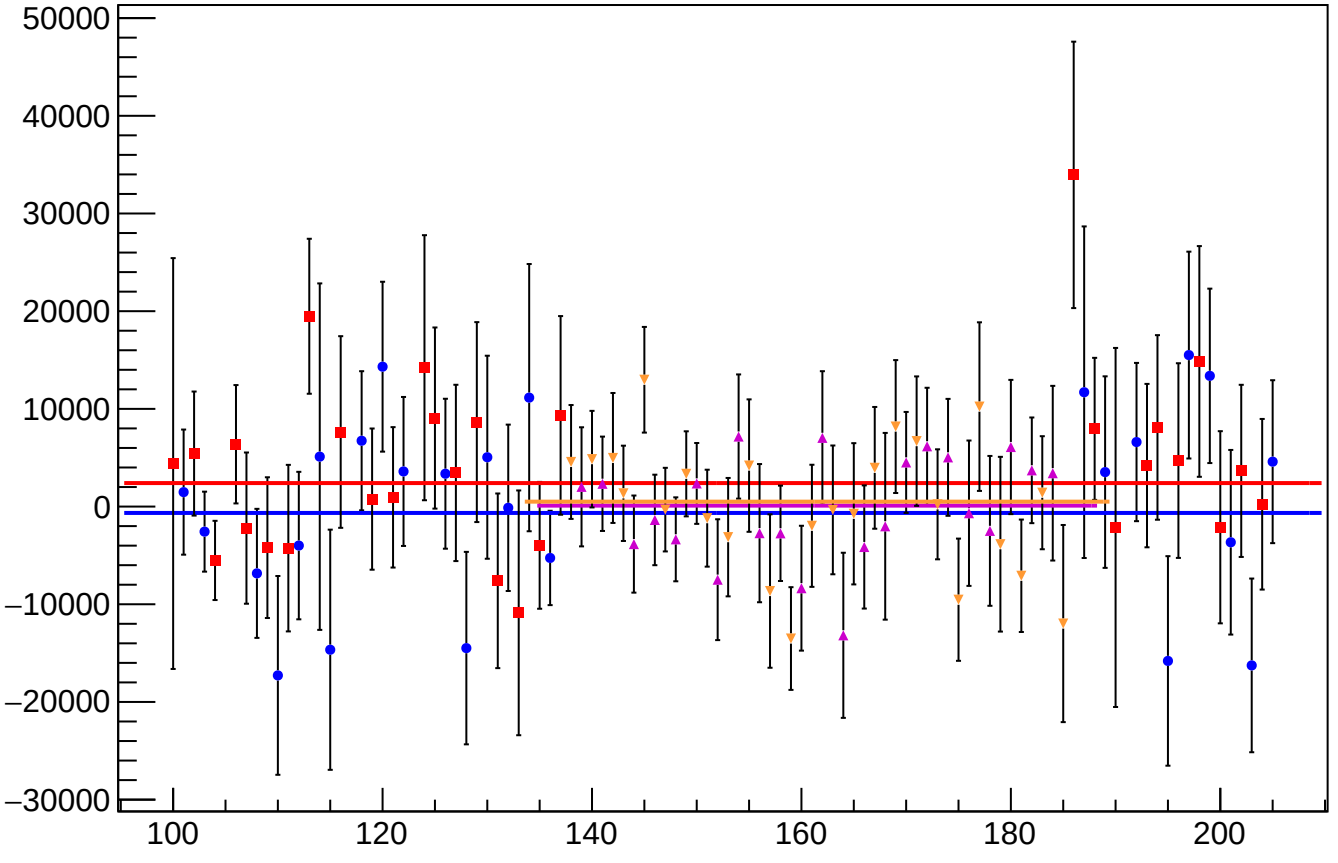
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.801+/-0.193 χ^2/NDF: 440922.6/49

All: 1575.437+/-0.137 χ^2/NDF: 819861.8/101

- sign 1575.073+/-0.193 χ^2/NDF: 378932.1/51

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2405.122+/-1529.964 χ^2/NDF: 24.6/28

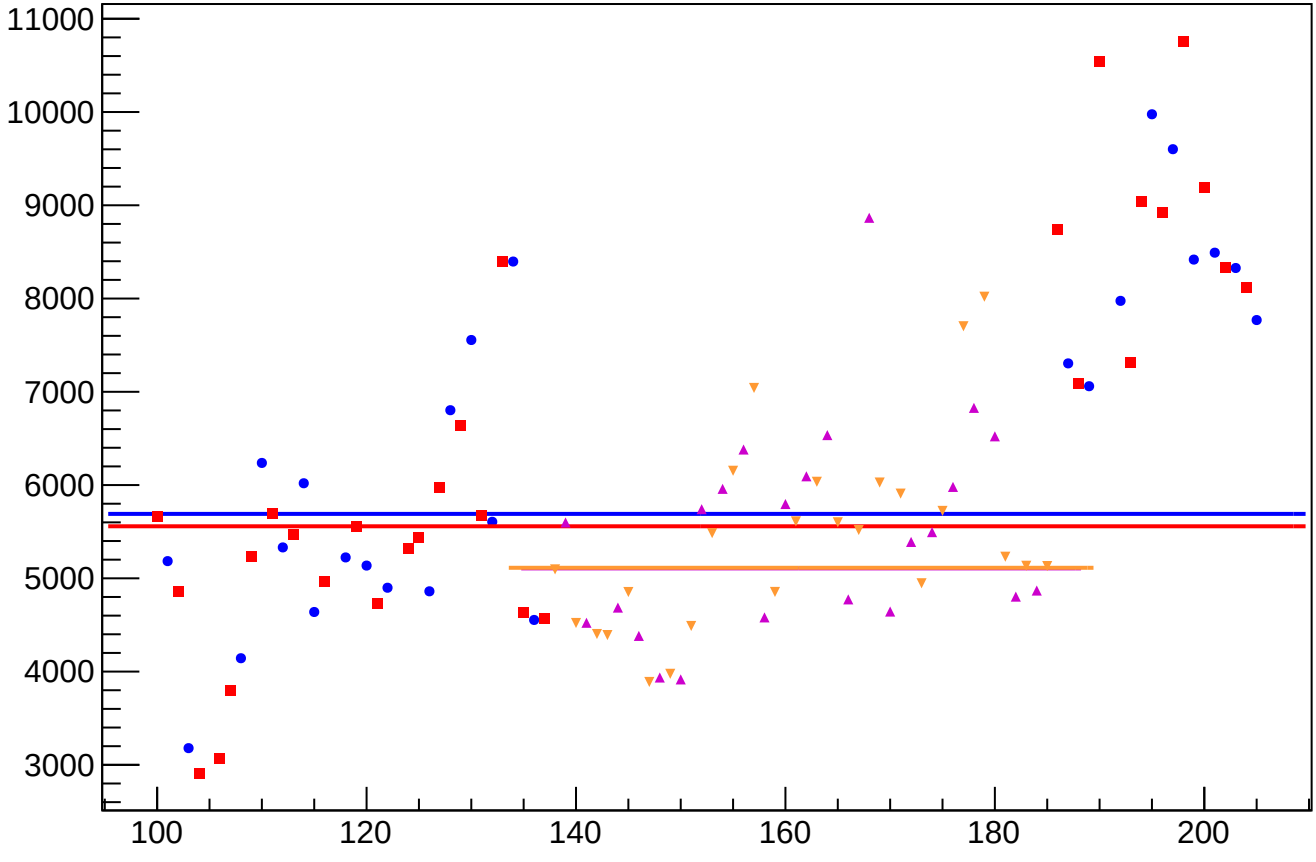
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 93.683+/-953.632 χ^2/NDF: 53.1/49

All: 543.556+/-673.994 χ^2/NDF: 94.4/101

- sign 992.560+/-952.711 χ^2/NDF: 40.9/51

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

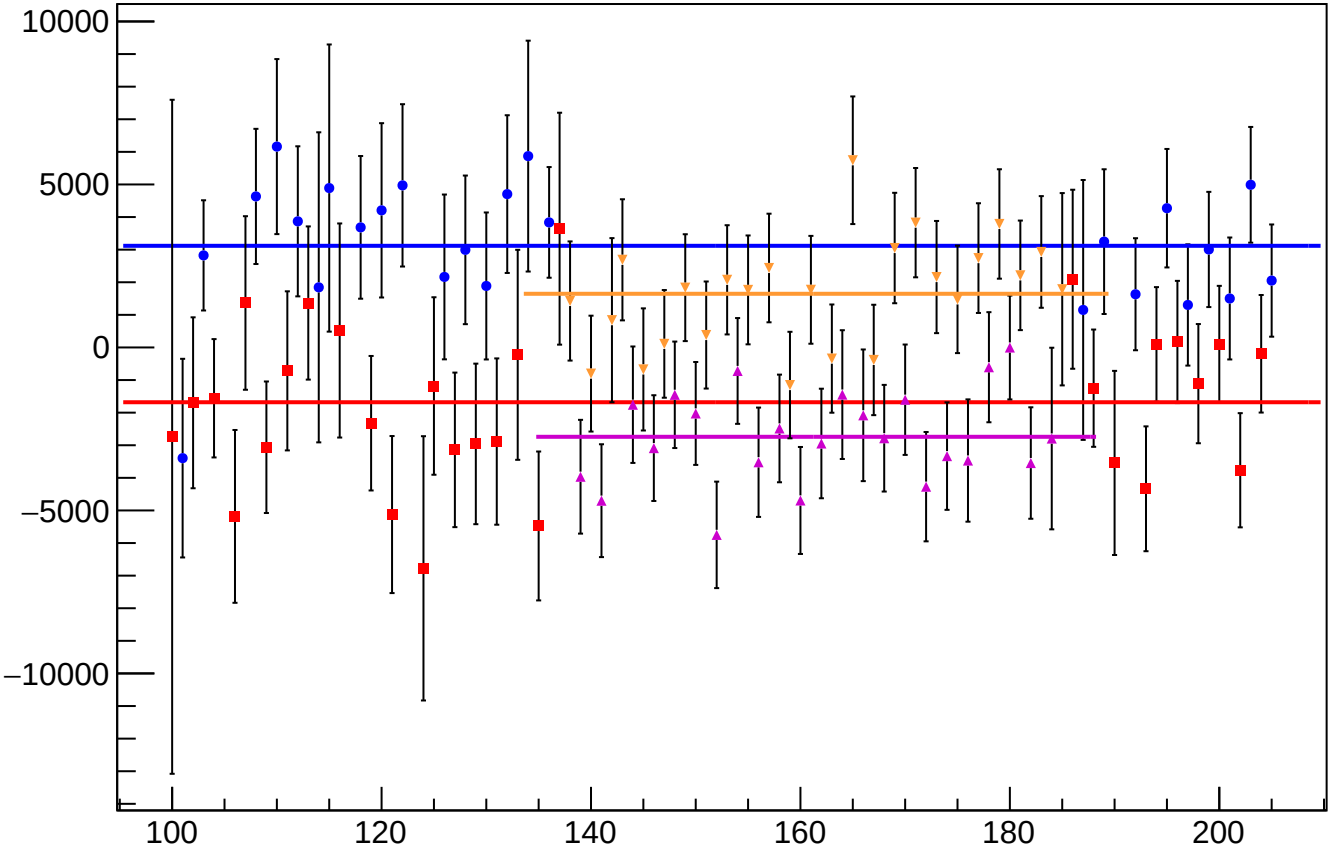
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5318.045+/-0.674 χ^2/NDF: 4039892.3/49

All: 5299.751+/-0.477 χ^2/NDF: 8912195.3/10

- sign 5281.493+/-0.674 χ^2/NDF: 4870832.5/51

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1680.695+/-423.036 χ^2/NDF: 25.1/28

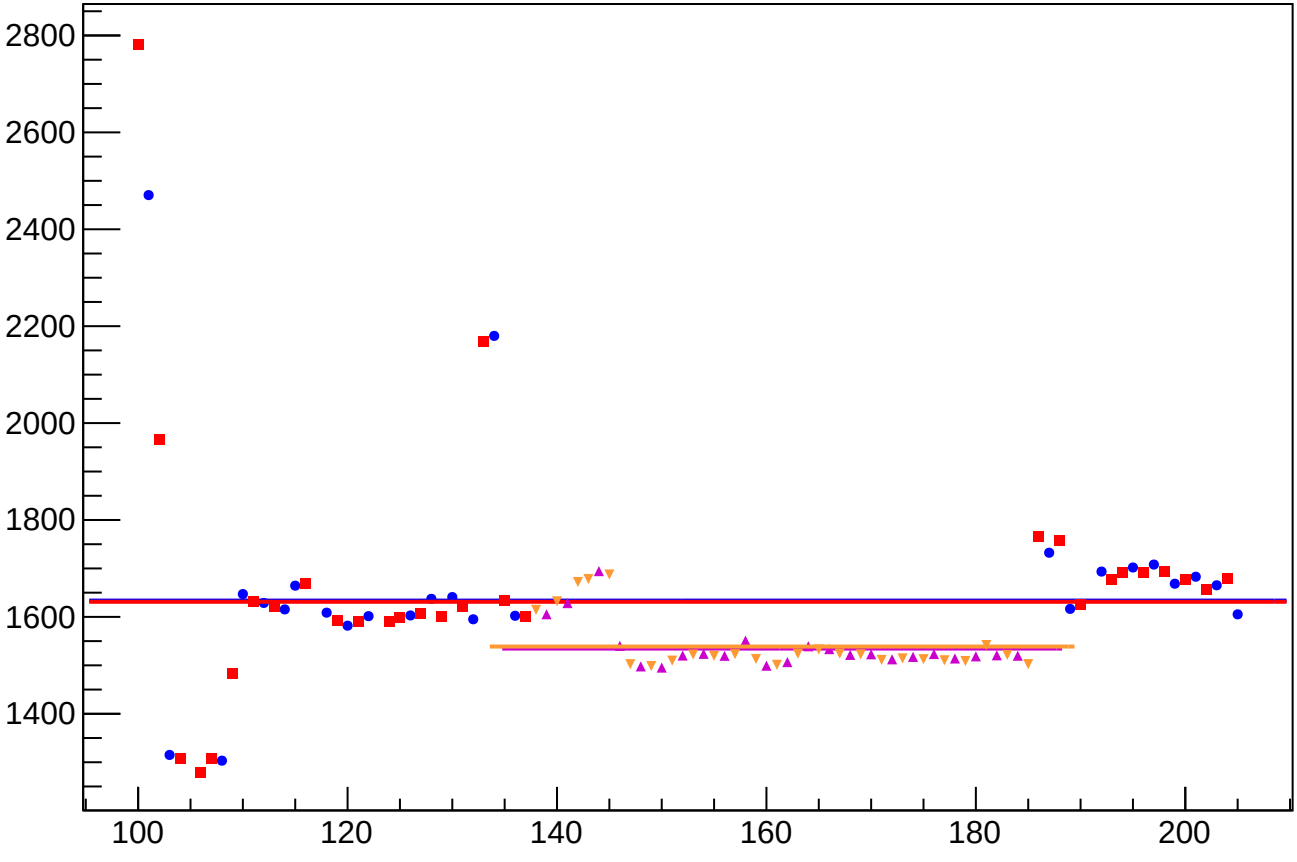
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2220.137+/-273.193 χ^2/NDF: 41.7/49

All: -36.437+/-193.279 χ^2/NDF: 223.6/101

- sign -2297.769+/-273.481 χ^2/NDF: 45.2/51

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

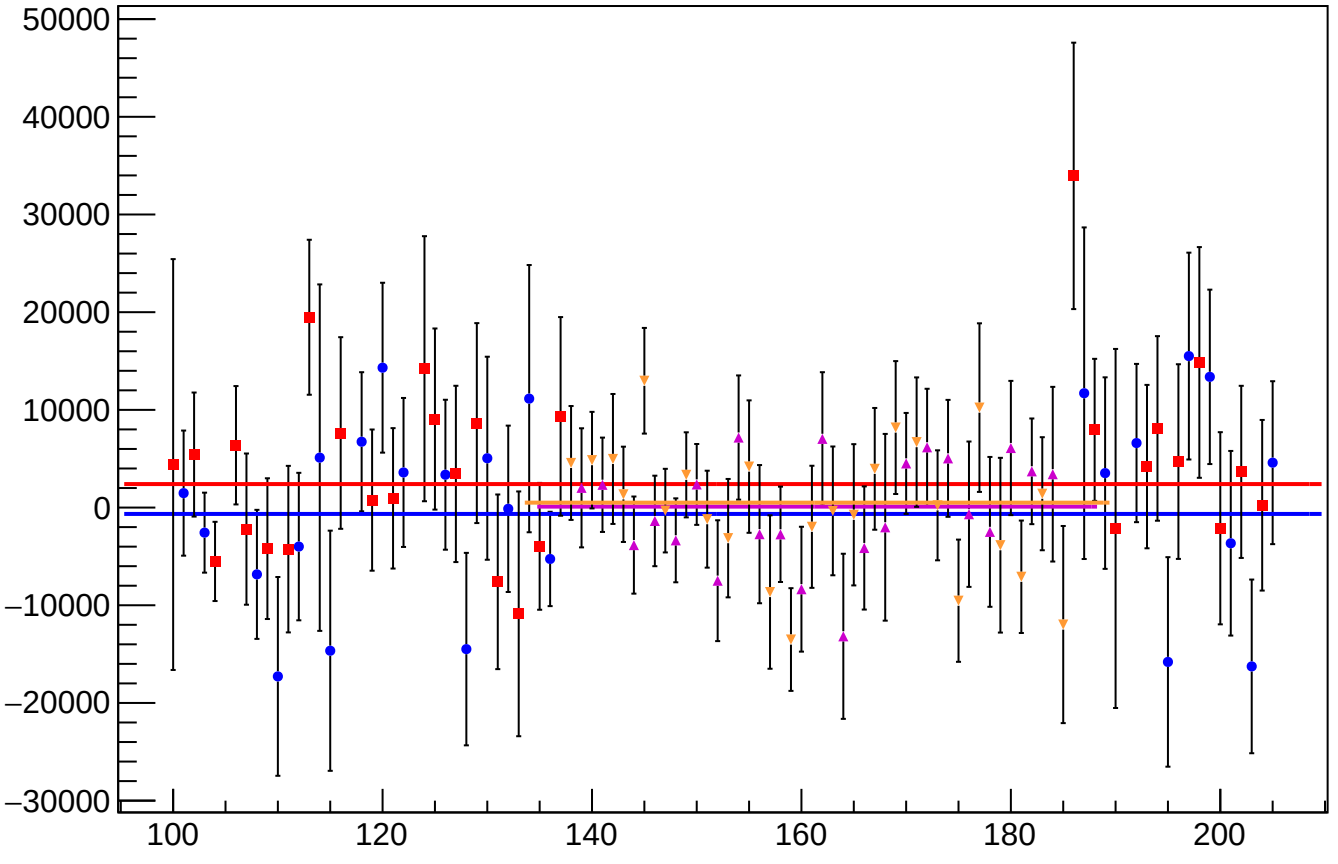
Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.801+/-0.193 χ^2/NDF: 440922.6/49

All: 1575.437+/-0.137 χ^2/NDF: 819861.8/101

- sign 1575.073+/-0.193 χ^2/NDF: 378932.1/51



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

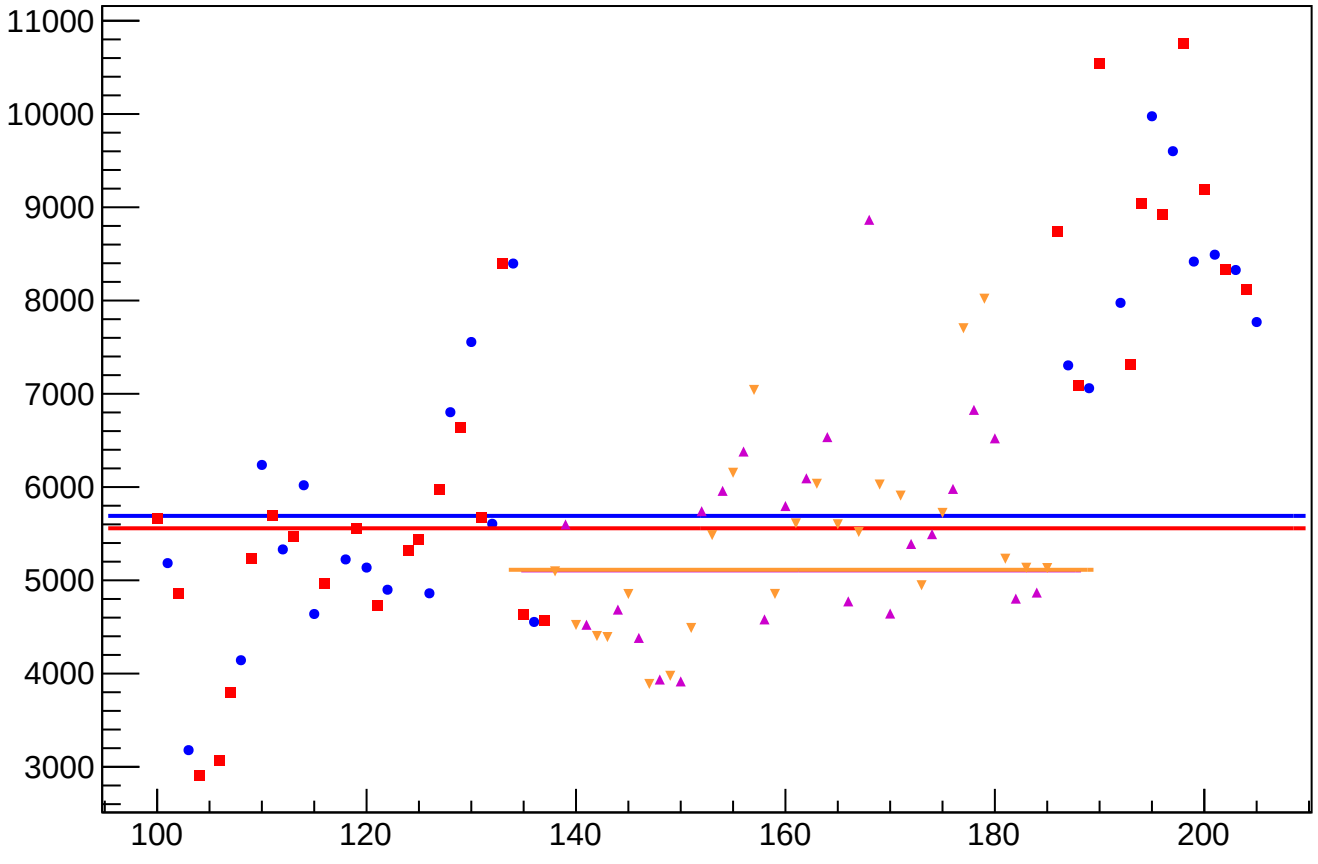
Right Out: 2405.122+/-1529.964 χ^2/NDF: 24.6/28

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 93.683+/-953.632 χ^2/NDF: 53.1/49

All: 543.556+/-673.994 χ^2/NDF: 94.4/101

- sign 992.560+/-952.711 χ^2/NDF: 40.9/51



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

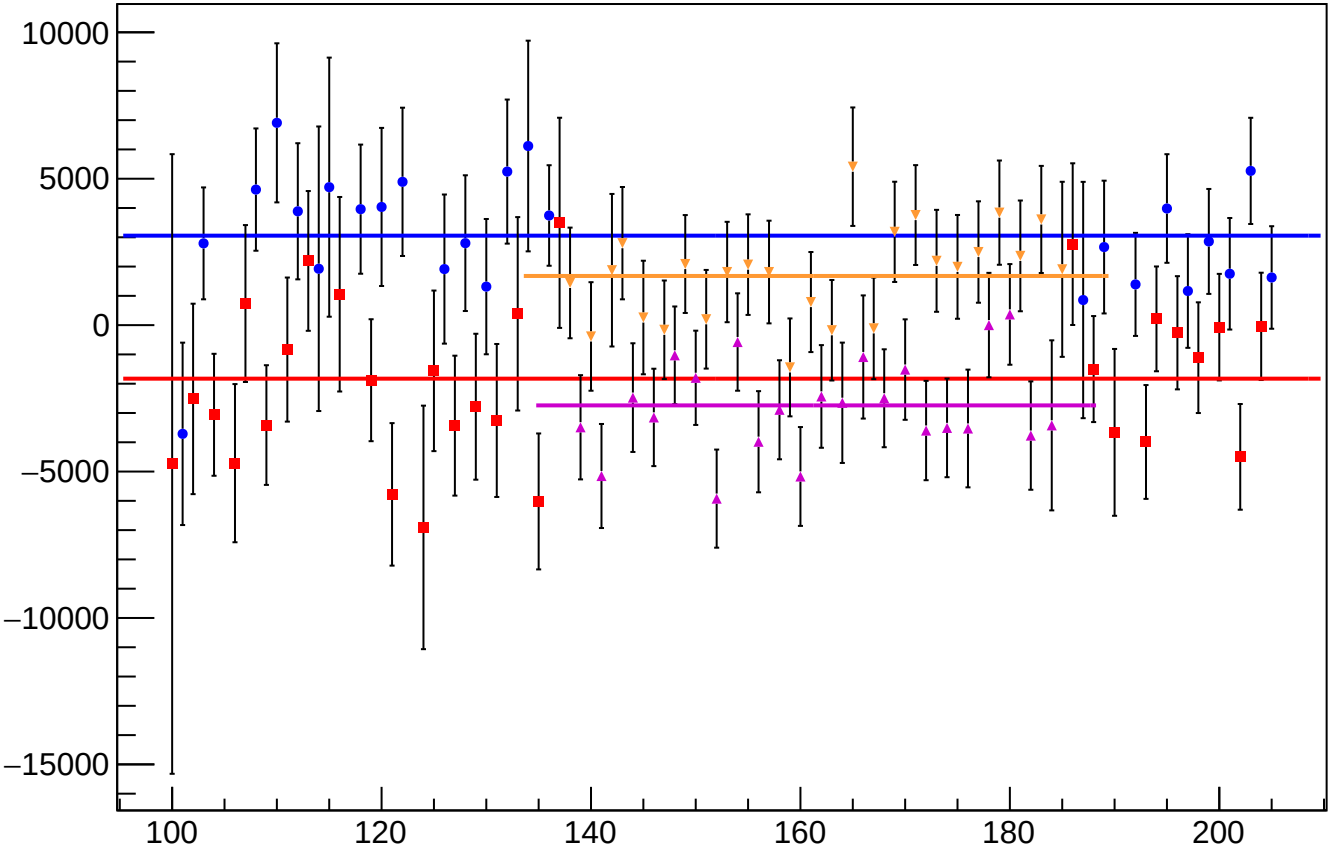
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5318.045+/-0.674 χ^2/NDF: 4039892.3/49

All: 5299.751+/-0.477 χ^2/NDF: 8912195.3/10

- sign 5281.493+/-0.674 χ^2/NDF: 4870832.5/51

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3055.589+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1827.818+/-434.332 χ^2/NDF: 28.5/28

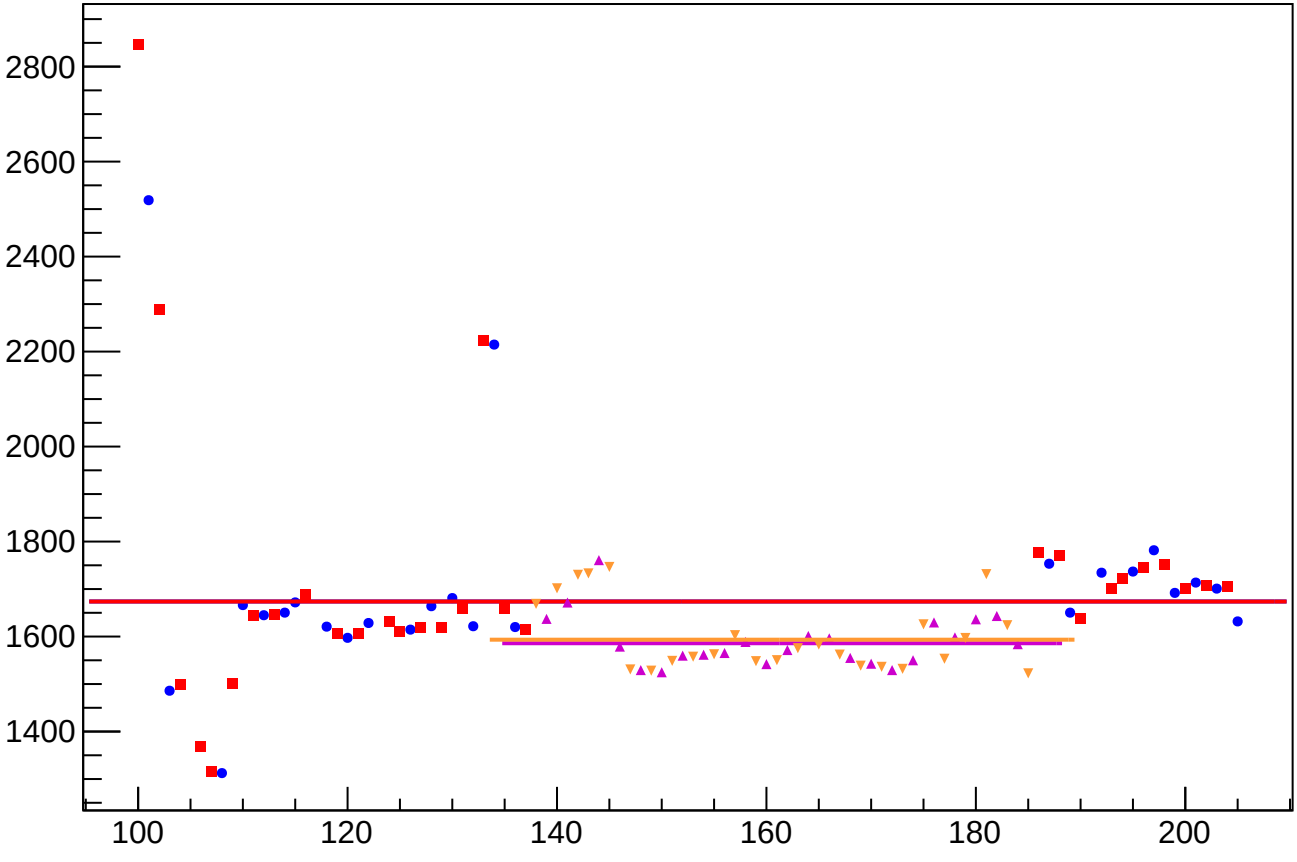
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2223.522+/-281.761 χ^2/NDF: 40.6/49

All: -64.960+/-199.292 χ^2/NDF: 222.9/101

- sign -2356.063+/-281.922 χ^2/NDF: 50.2/51

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.2/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

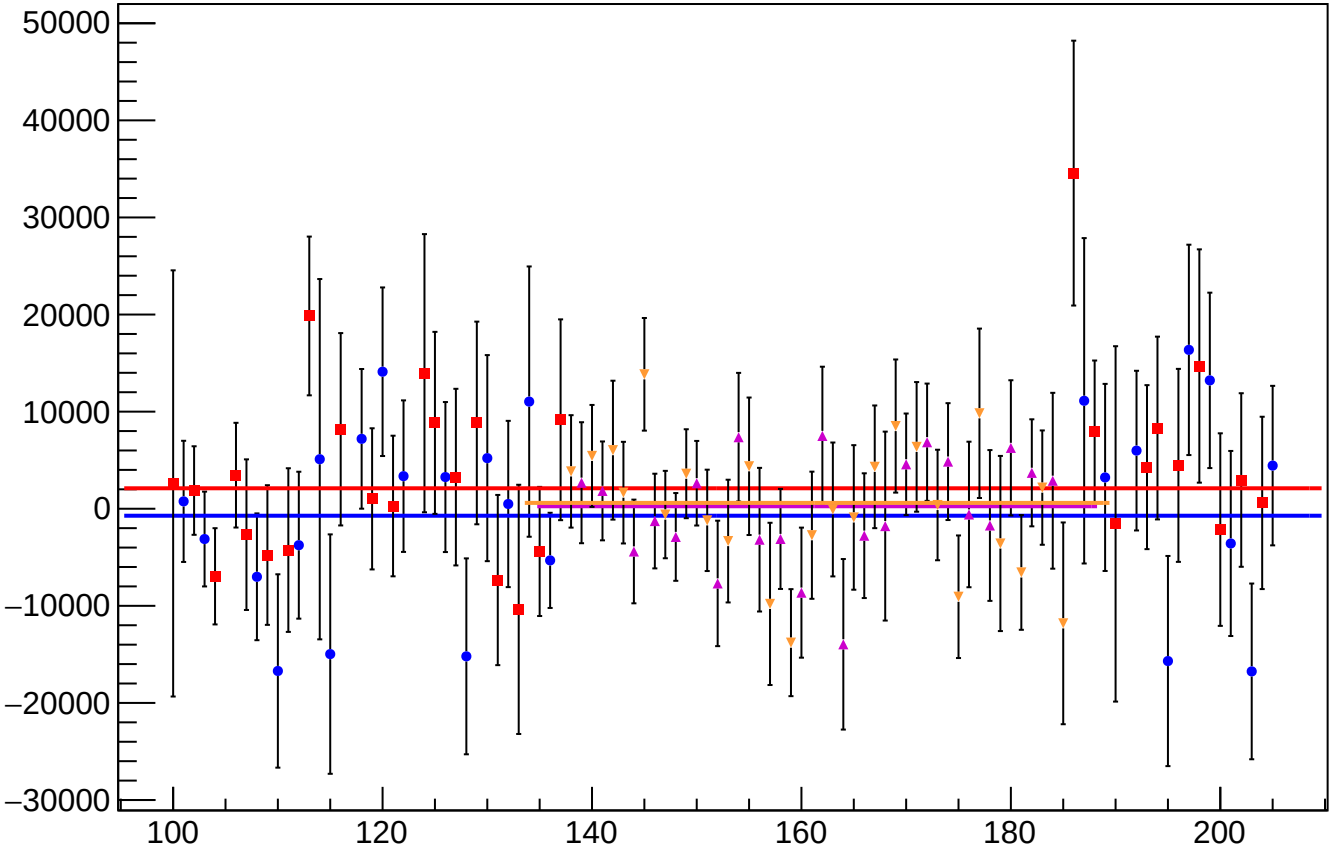
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1625.210+/-0.199 χ^2/NDF: 404829.4/49

All: 1624.078+/-0.141 χ^2/NDF: 762346.9/101

- sign 1622.944+/-0.199 χ^2/NDF: 357452.8/51

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -720.067+/-1645.086 χ^2/NDF: 25.8/24

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2106.334+/-1521.758 χ^2/NDF: 23.8/28

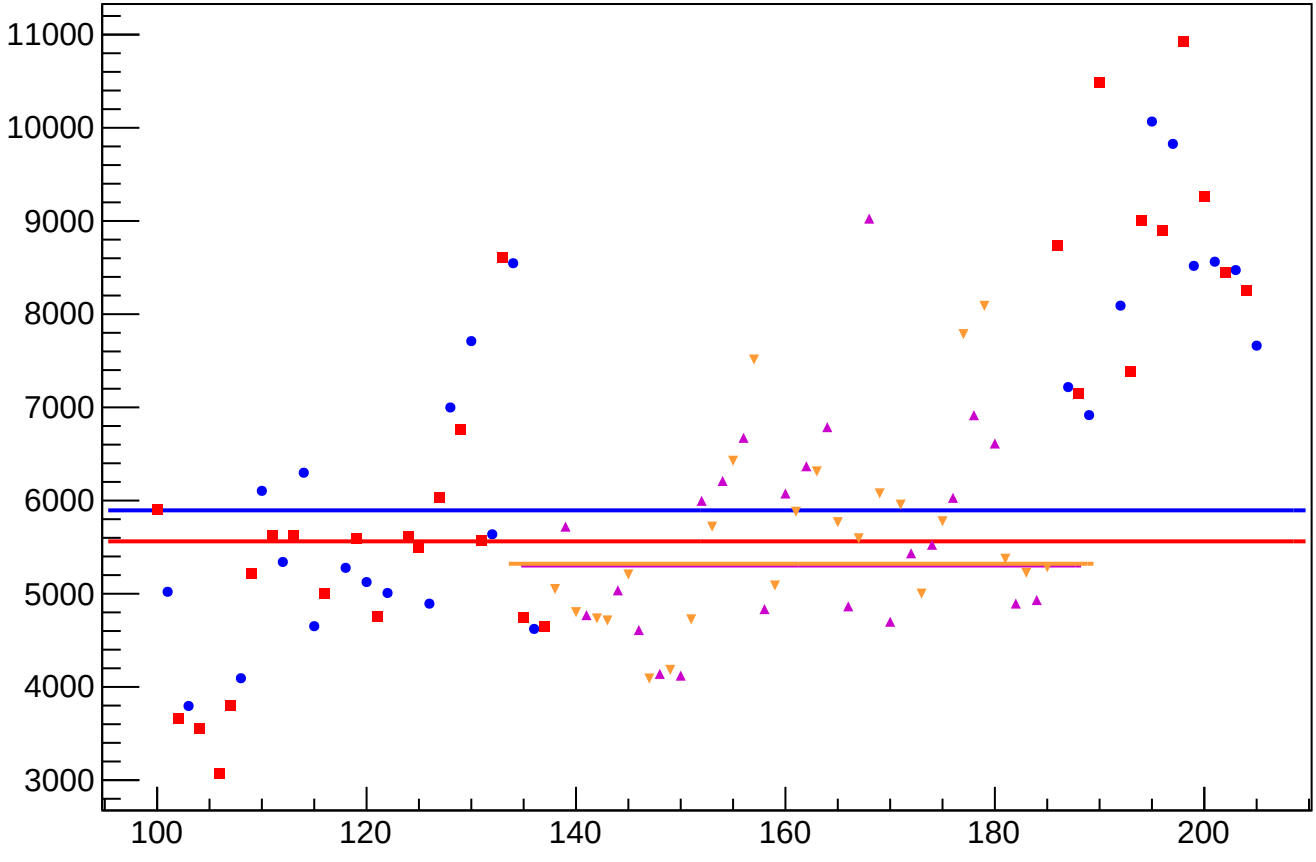
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 126.067+/-986.921 χ^2/NDF: 52.2/49

All: 575.094+/-692.412 χ^2/NDF: 92.0/101

\- sign 1010.373+/-971.694 χ^2/NDF: 39.4/51

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5894.848+/-1.163 χ^2/NDF: 2294314.0/24

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5562.230+/-1.076 χ^2/NDF: 3433194.5/28

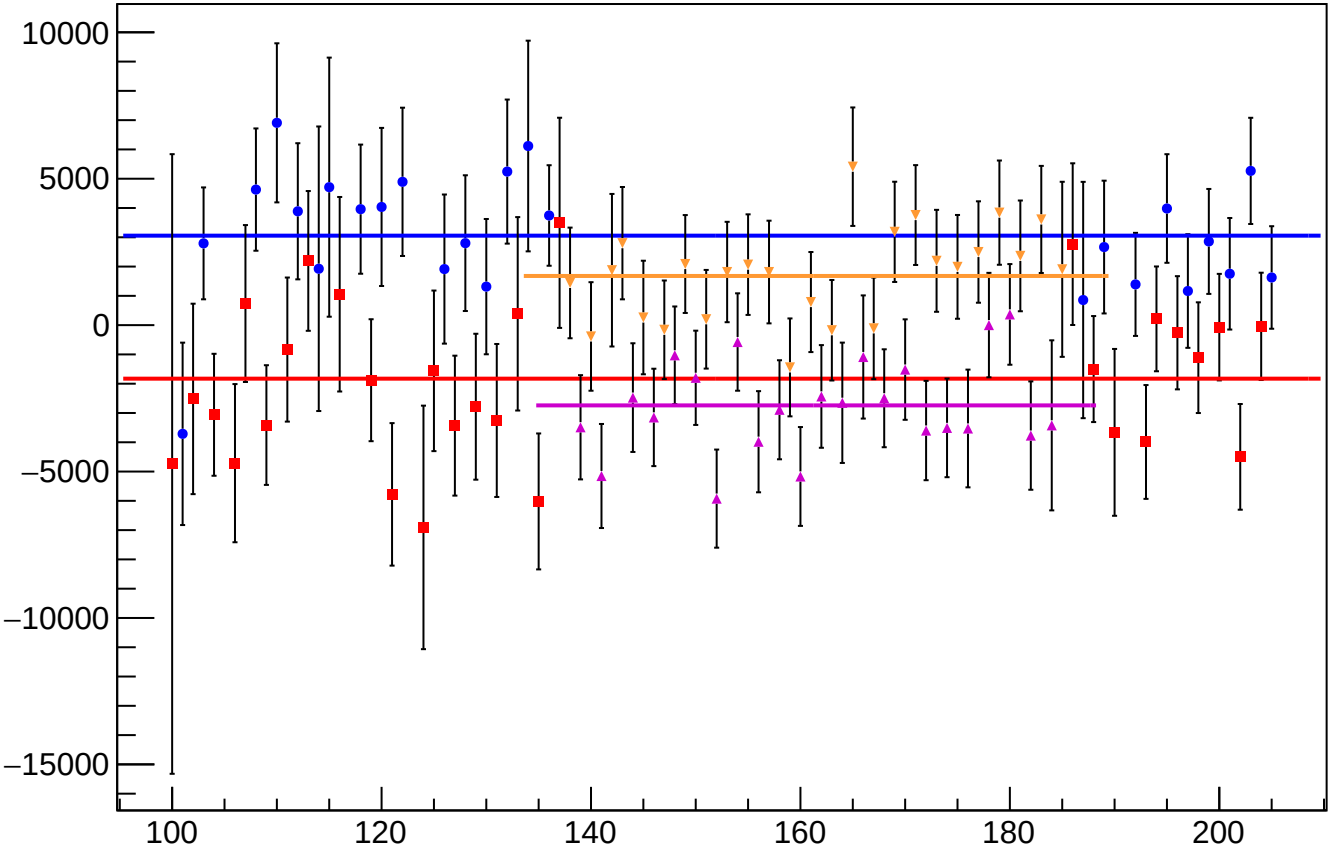
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5528.142+/-0.698 χ^2/NDF: 3486577.2/49

All: 5467.445+/-0.490 χ^2/NDF: 8121460.3/10

- sign 5408.605+/-0.687 χ^2/NDF: 4619984.7/51

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3055.588+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1827.818+/-434.332 χ^2/NDF: 28.5/28

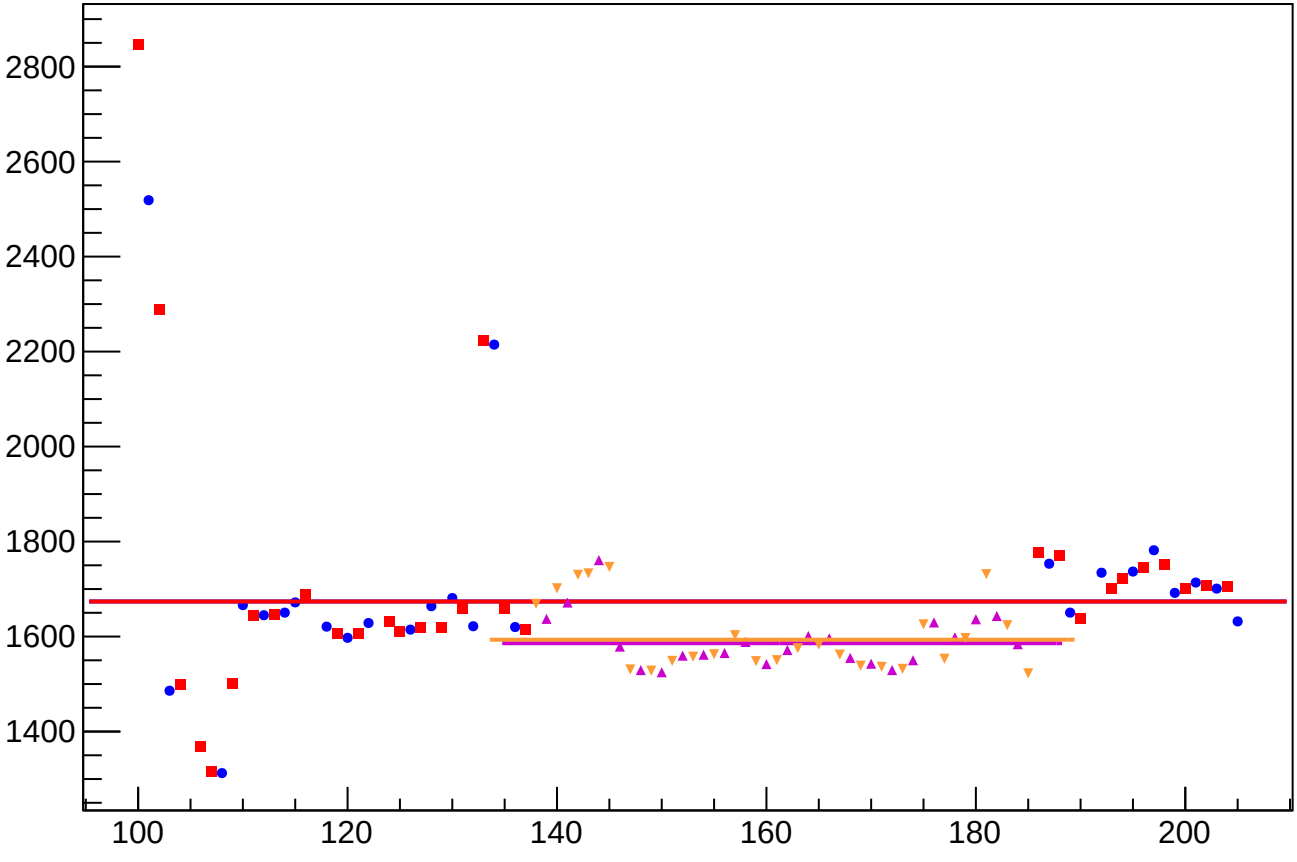
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2223.518+/-281.761 χ^2/NDF: 40.6/49

All: -64.962+/-199.292 χ^2/NDF: 222.9/101

- sign -2356.063+/-281.922 χ^2/NDF: 50.2/51

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.6/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

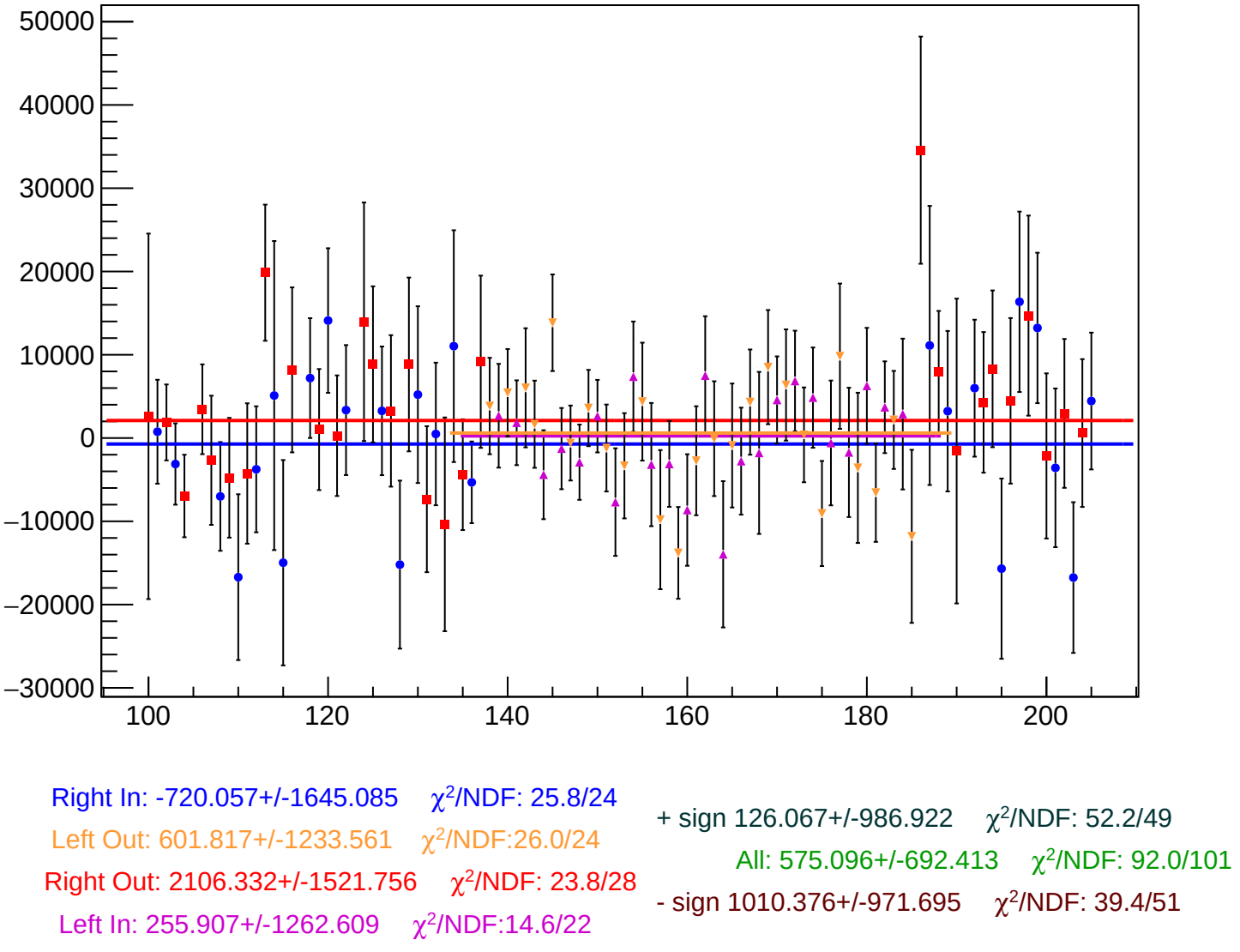
Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

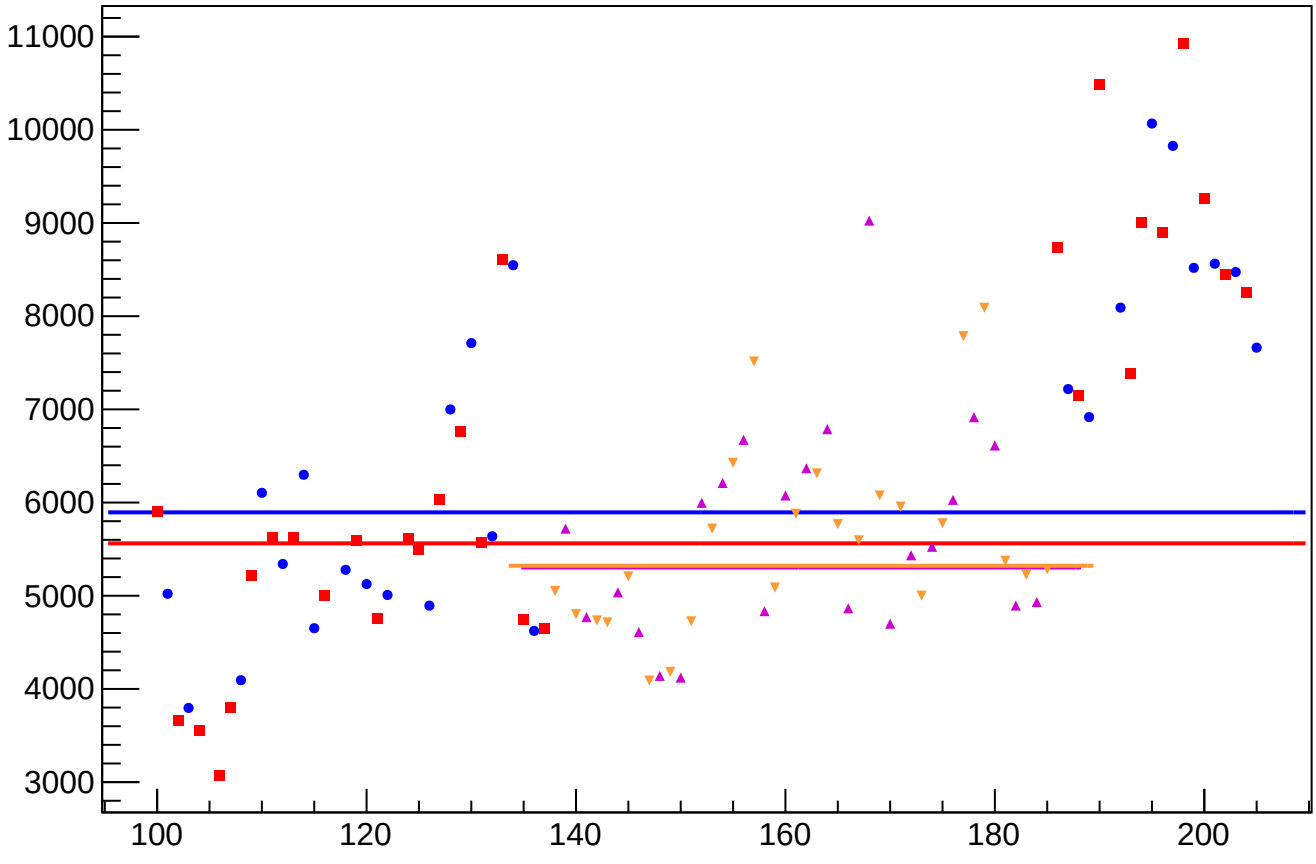
Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1625.211+/-0.199 χ^2/NDF: 404828.4/49

All: 1624.078+/-0.141 χ^2/NDF: 762344.6/101

- sign 1622.945+/-0.199 χ^2/NDF: 357451.6/51


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -720.057+/-1645.085 χ²/NDF: 25.8/24
Left Out: 601.817+/-1233.561 χ²/NDF:26.0/24
Right Out: 2106.332+/-1521.756 χ²/NDF: 23.8/28
Left In: 255.907+/-1262.609 χ²/NDF:14.6/22
+ sign 126.067+/-986.922 χ²/NDF: 52.2/49
All: 575.096+/-692.413 χ²/NDF: 92.0/101
- sign 1010.376+/-971.695 χ²/NDF: 39.4/51



Right In: 5894.842+/-1.163 χ^2/NDF: 2294324.0/24

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5562.223+/-1.076 χ^2/NDF: 3433205.2/28

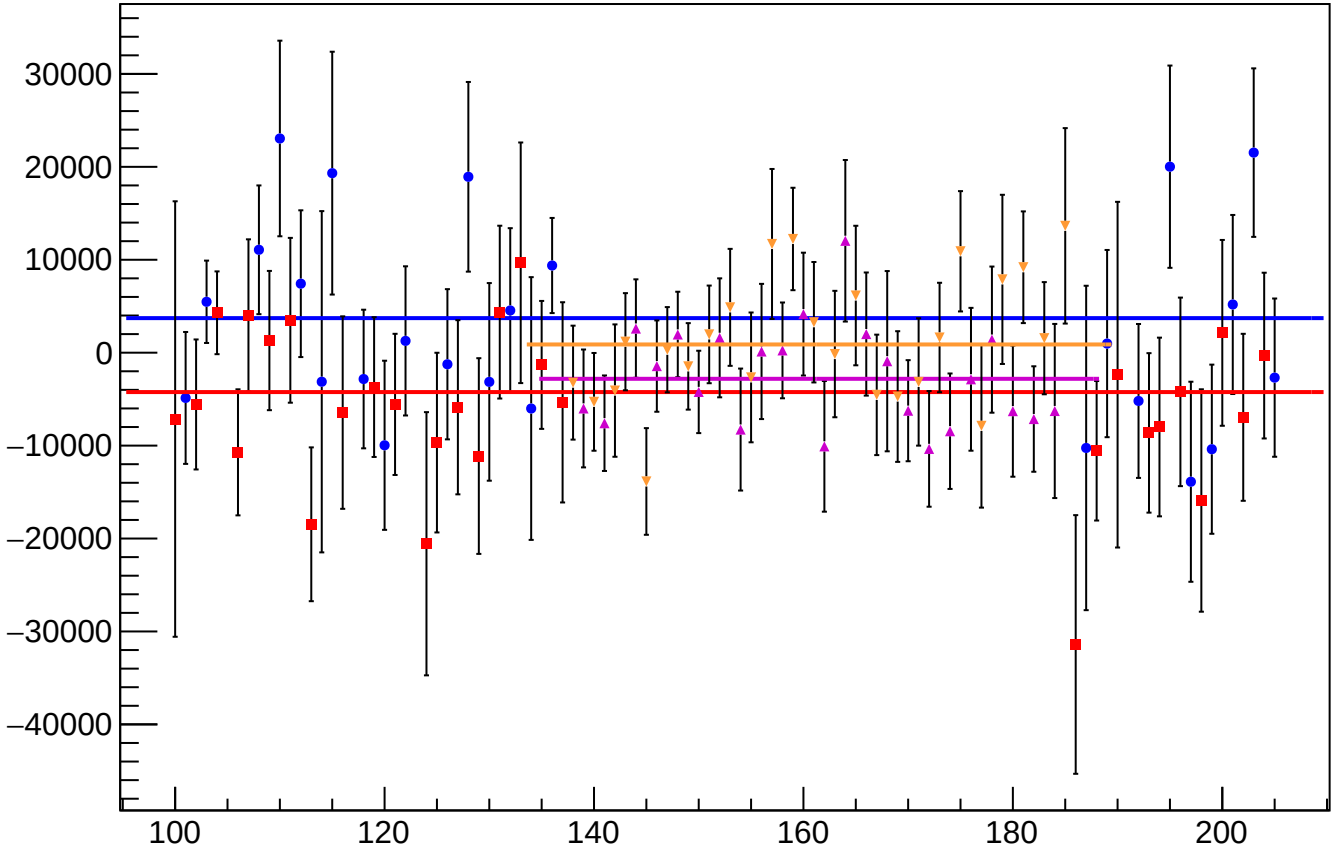
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5528.147+/-0.698 χ^2/NDF: 3486581.5/49

All: 5467.448+/-0.490 χ^2/NDF: 8121475.5/10

- sign 5408.608+/-0.687 χ^2/NDF: 4619995.3/51

asym_usr_atr2_avg_mean vs Slug



Right In: 3719.664+/-1680.038 χ^2/NDF: 29.4/24

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4238.216+/-1613.869 χ^2/NDF: 20.9/28

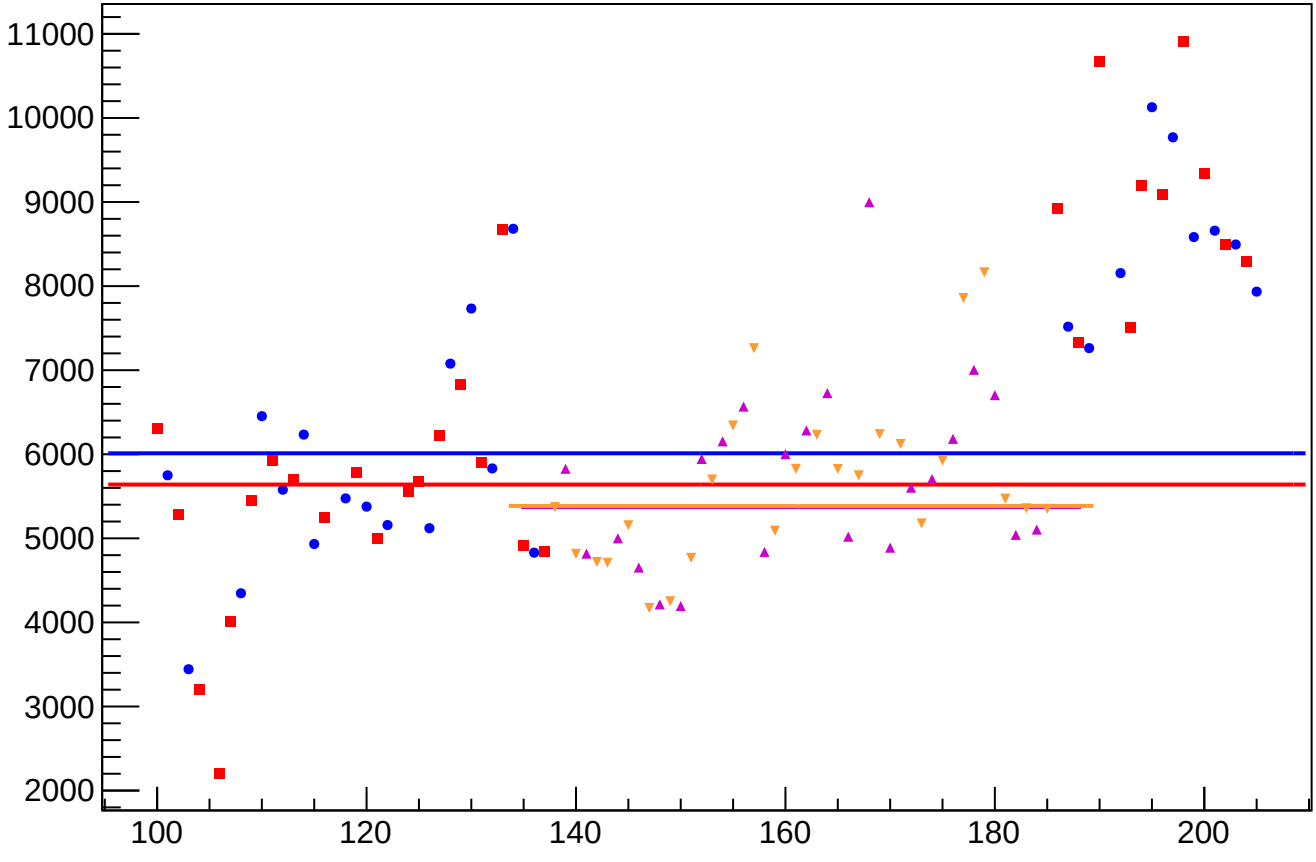
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1891.733+/-1001.056 χ^2/NDF: 56.9/49

All: -733.121+/-708.021 χ^2/NDF: 106.7/101

- sign -3360.460+/-1001.530 χ^2/NDF: 36.1/51

asym_usr_atr2_avg_rms vs Slug



Right In: 6011.487+/-1.188 χ^2/NDF: 2405498.0/24

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

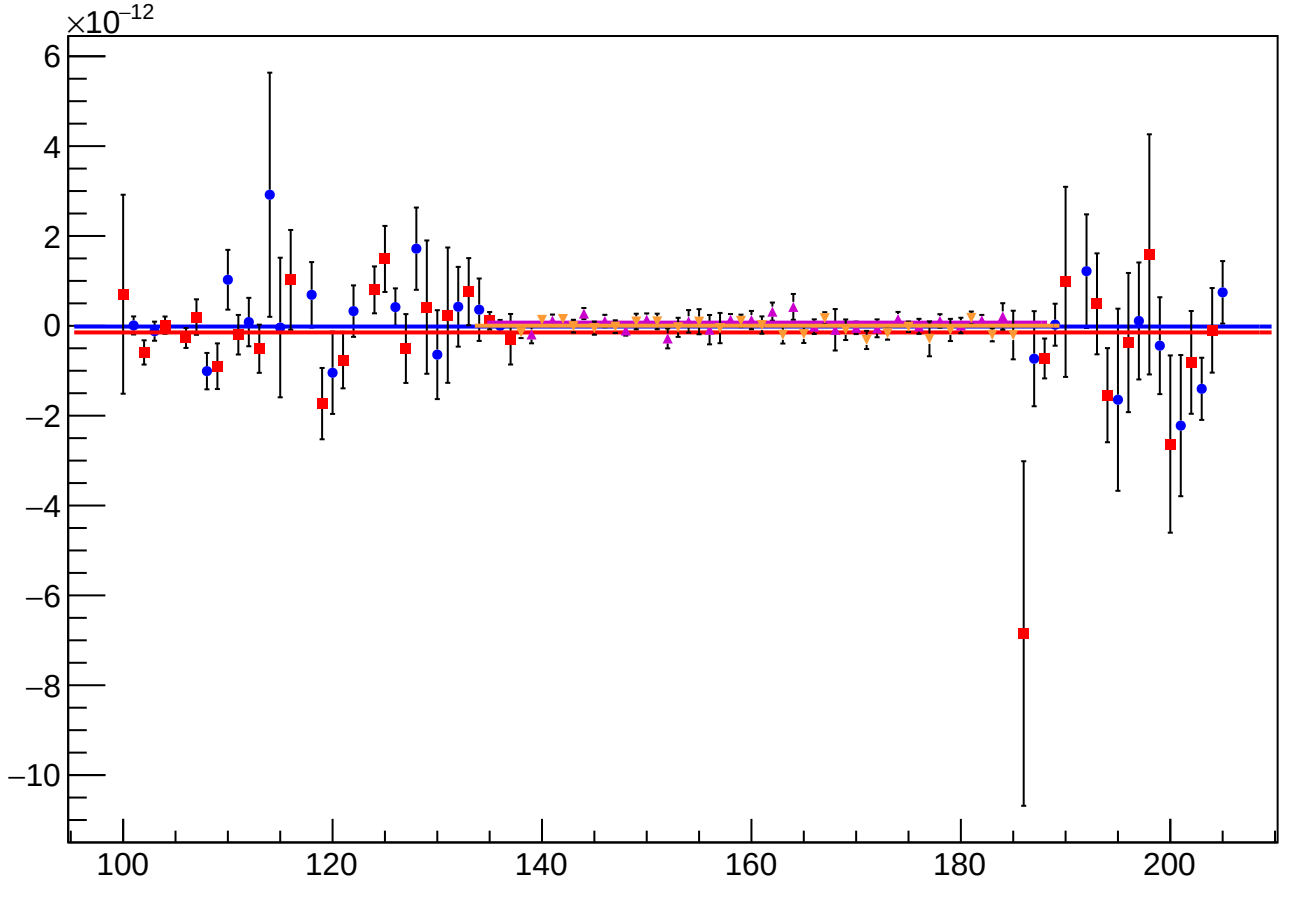
Right Out: 5639.750+/-1.109 χ^2/NDF: 3940420.6/28

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5607.850+/-0.708 χ^2/NDF: 3571582.6/49

All: 5542.893+/-0.498 χ^2/NDF: 8635322.0/10

- sign 5479.336+/-0.700 χ^2/NDF: 5047078.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

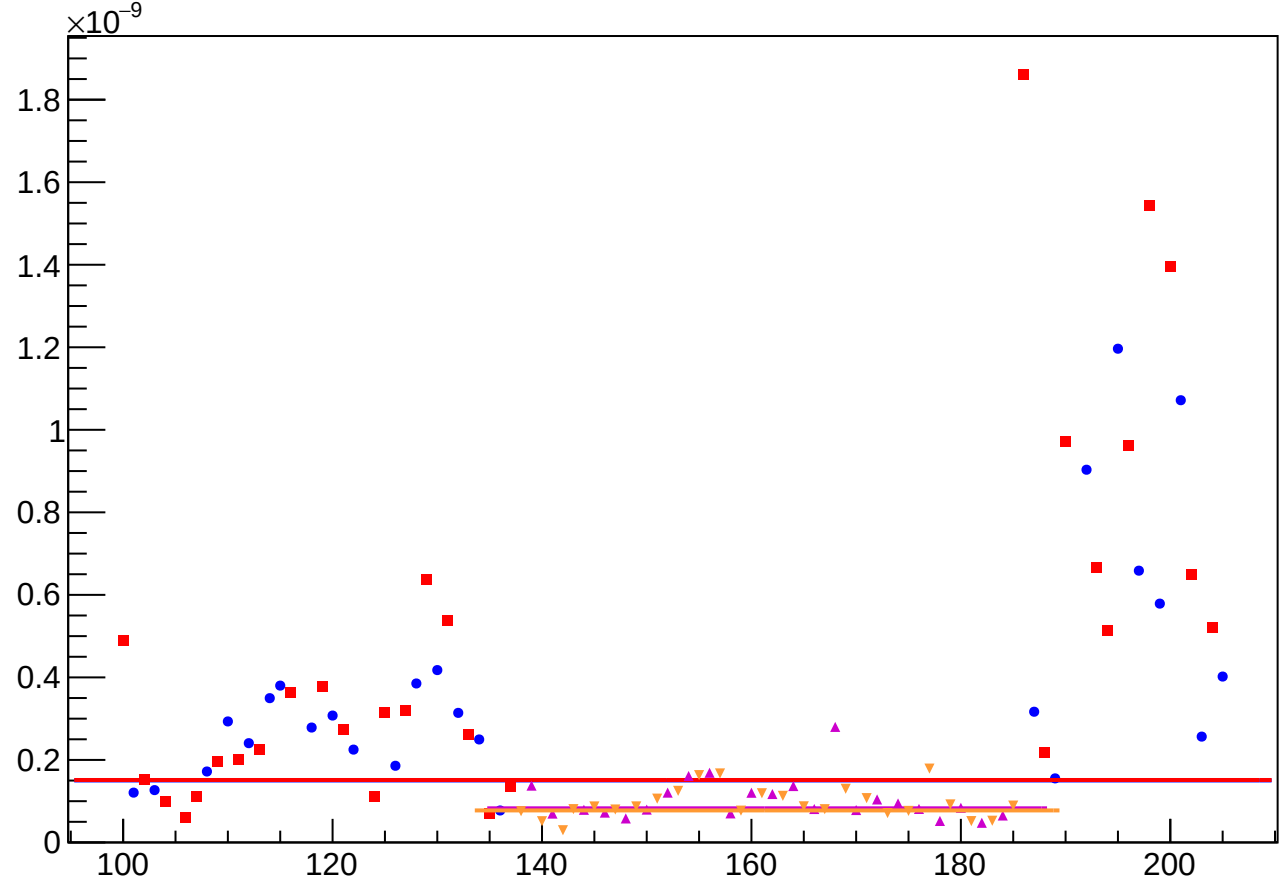
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/28

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/49

All: 0.000+/-0.000 χ^2/NDF: 103.0/101

- sign 0.000+/-0.000 χ^2/NDF: 56.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4345409.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5858501.2/28

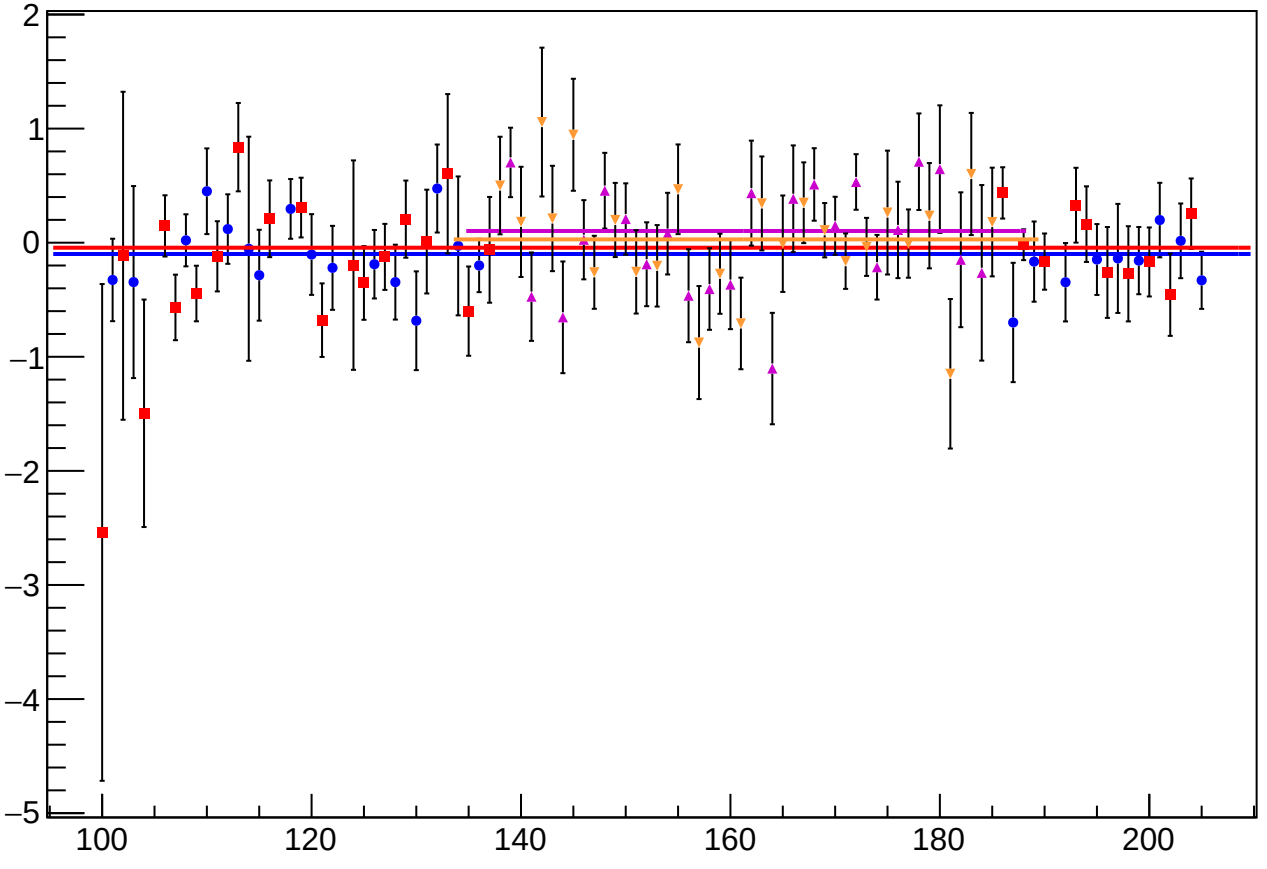
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7330520.6/49

All: 0.000+/-0.000 χ^2/NDF: 15863313.0/101

- sign 0.000+/-0.000 χ^2/NDF: 8505196.4/51

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

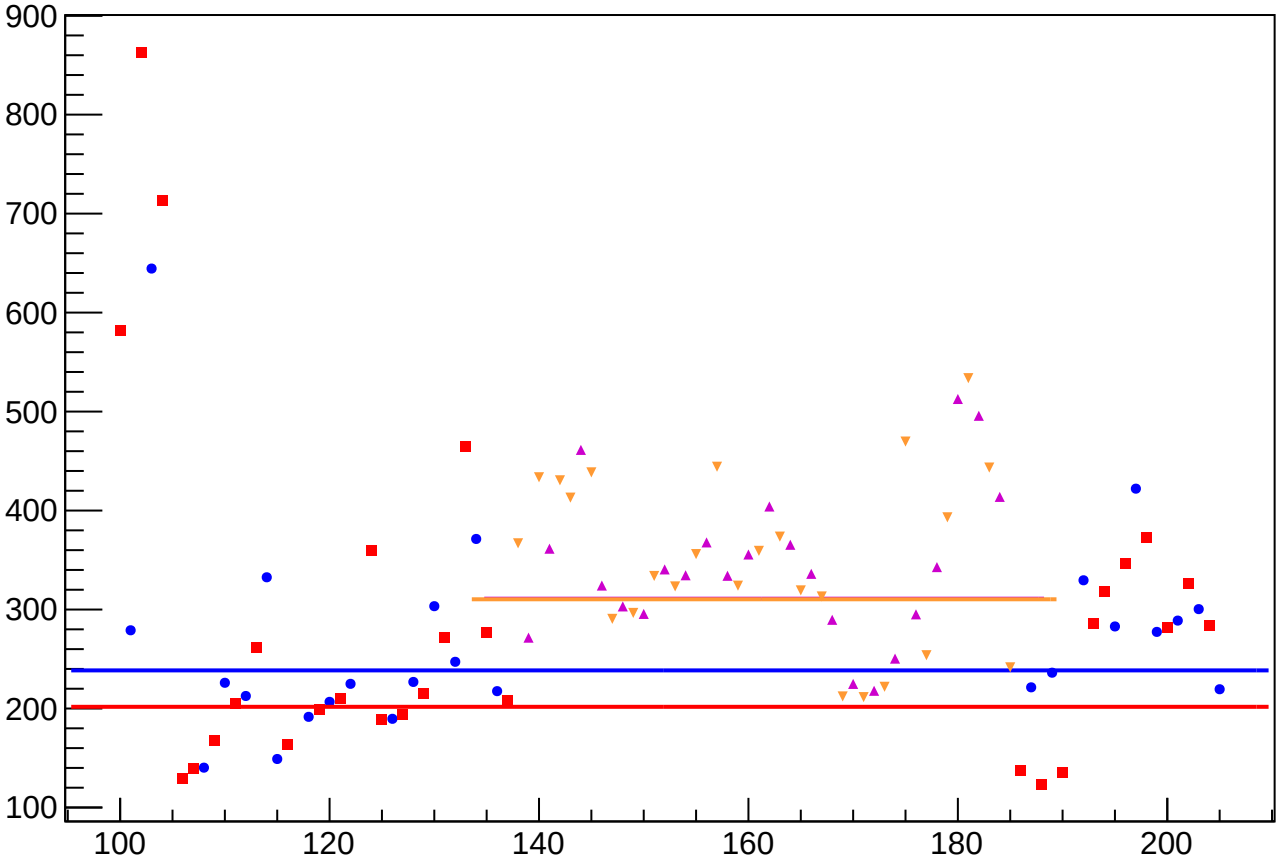
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.014+/-0.034 χ^2/NDF: 112.3/101

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

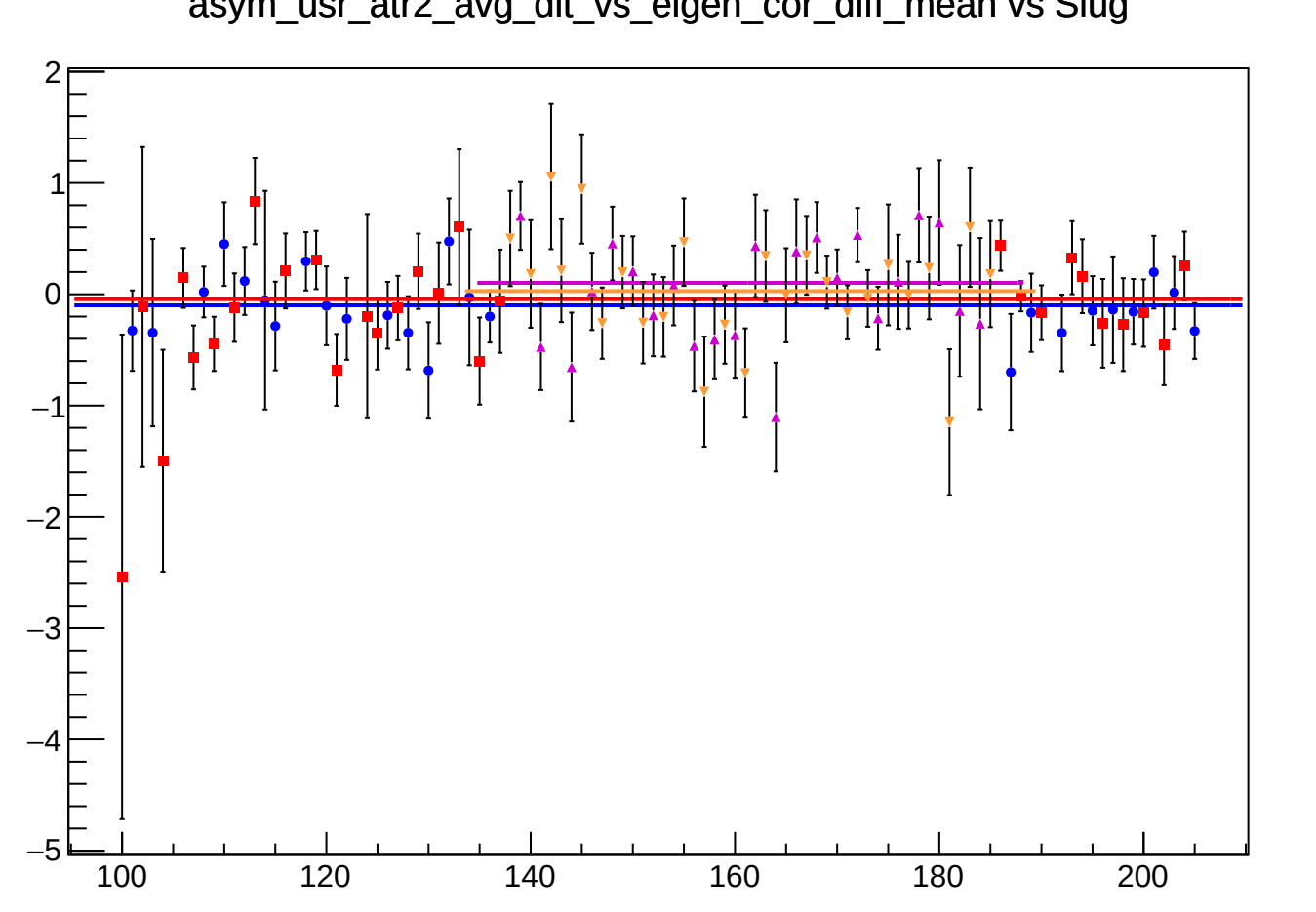
Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 270.947+/-0.035 χ^2/NDF: 5316523.3/49

All: 255.293+/-0.024 χ^2/NDF: 14195692.4/10

- sign 241.968+/-0.033 χ^2/NDF: 8518631.4/51



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

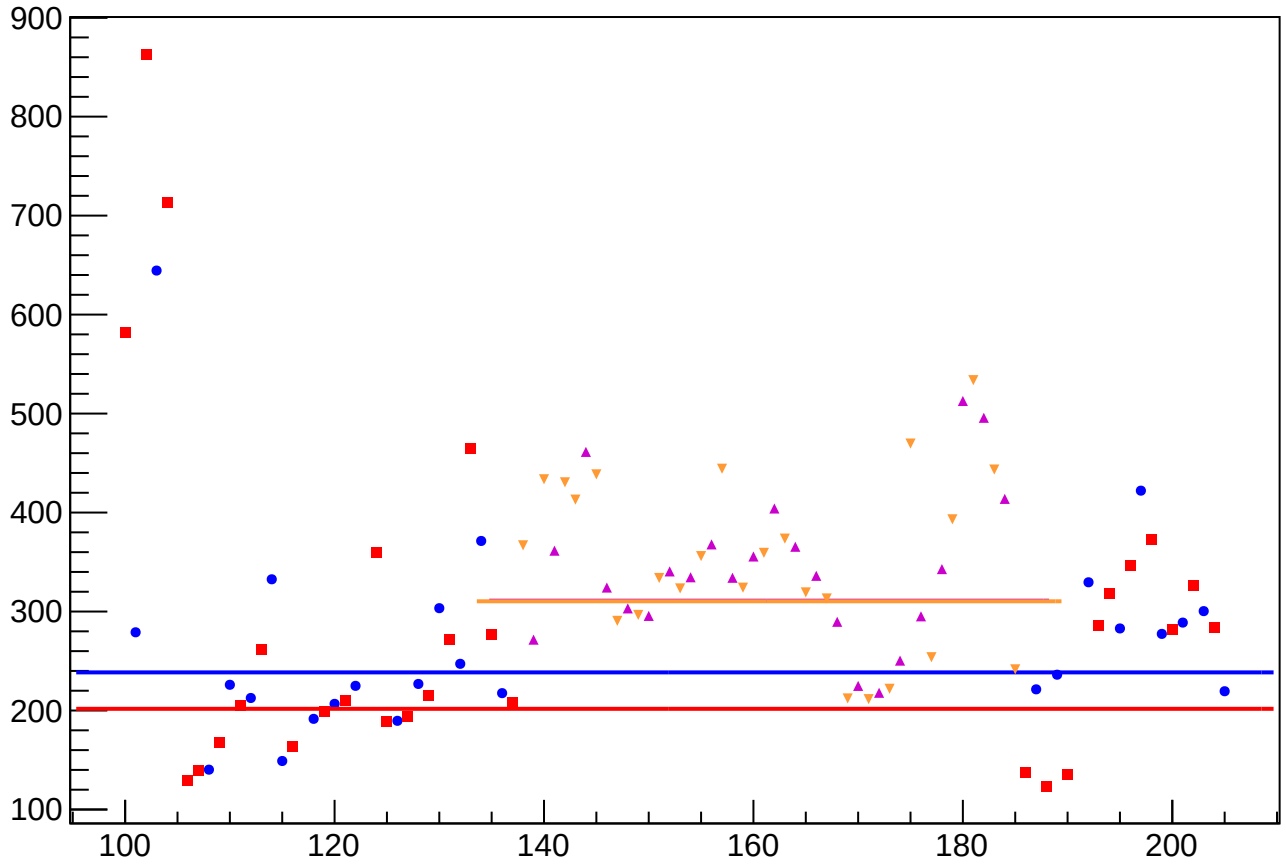
Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.014+/-0.034 χ^2/NDF: 112.3/101

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

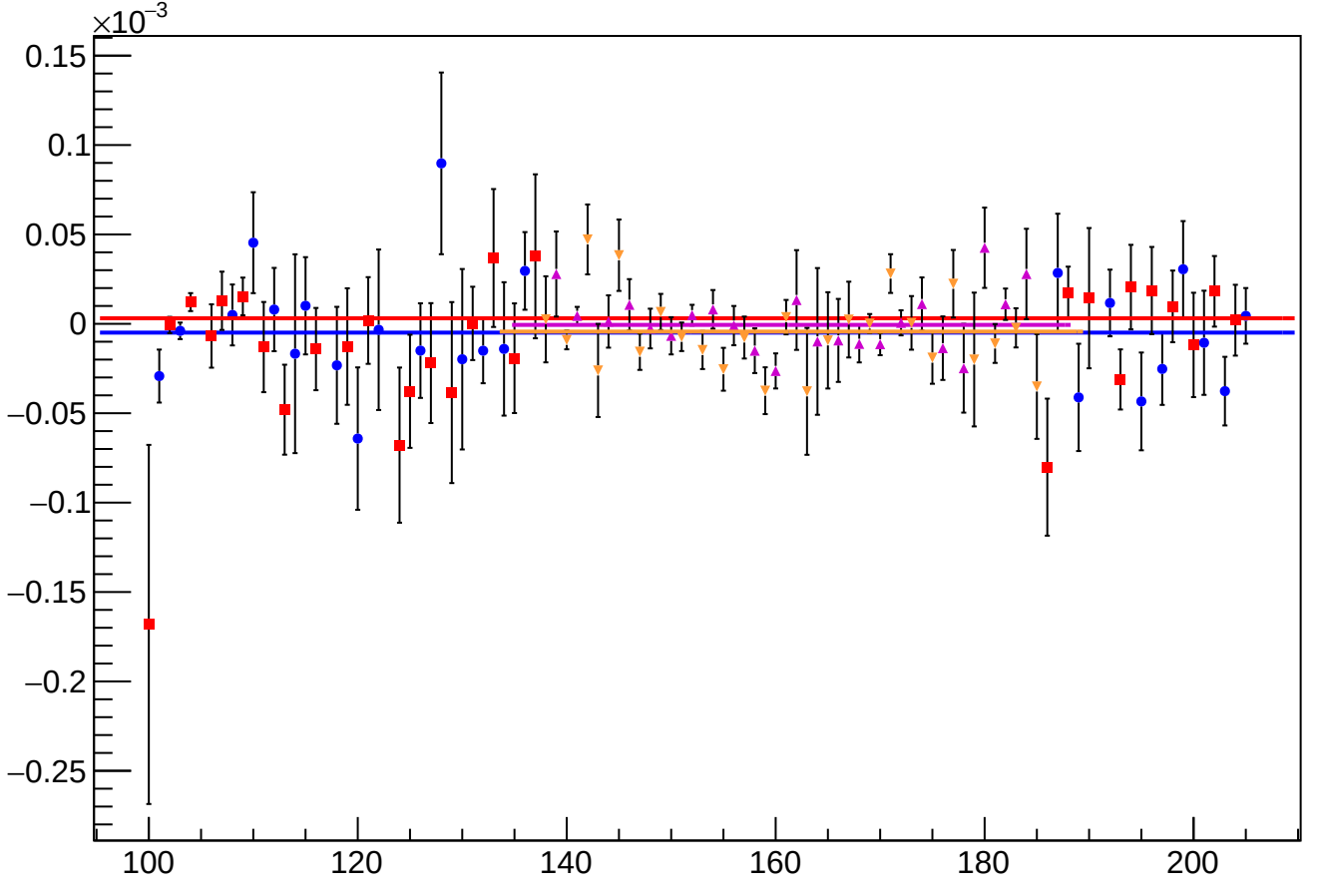
Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 270.947+/-0.035 χ^2/NDF: 5316523.3/49

All: 255.293+/-0.024 χ^2/NDF: 14195692.4/10

- sign 241.968+/-0.033 χ^2/NDF: 8518631.4/51



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

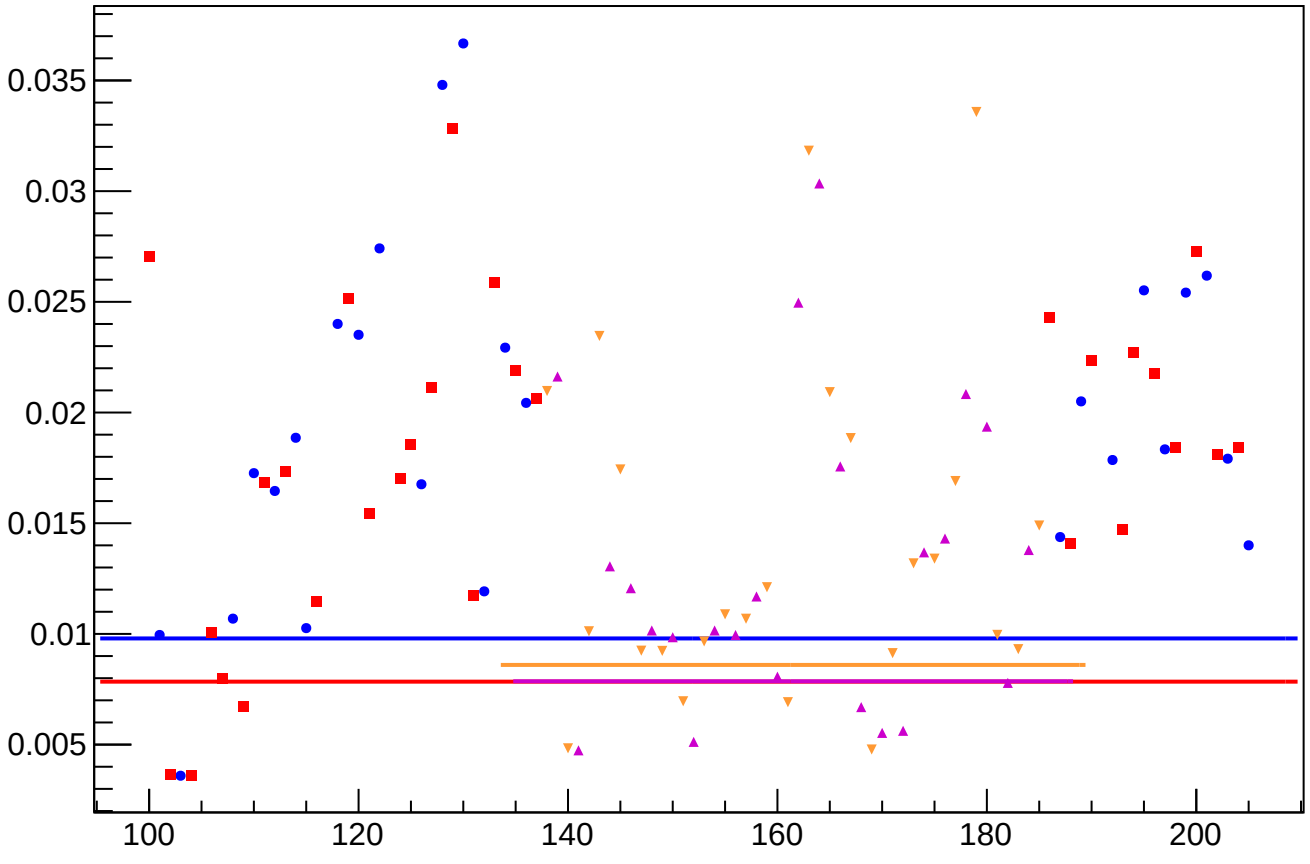
Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/28

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/49

All: -0.000+/-0.000 χ^2/NDF: 135.4/101

- sign 0.000+/-0.000 χ^2/NDF: 61.1/51



Right In: 0.010+/-0.000 χ^2/NDF: 10323692.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

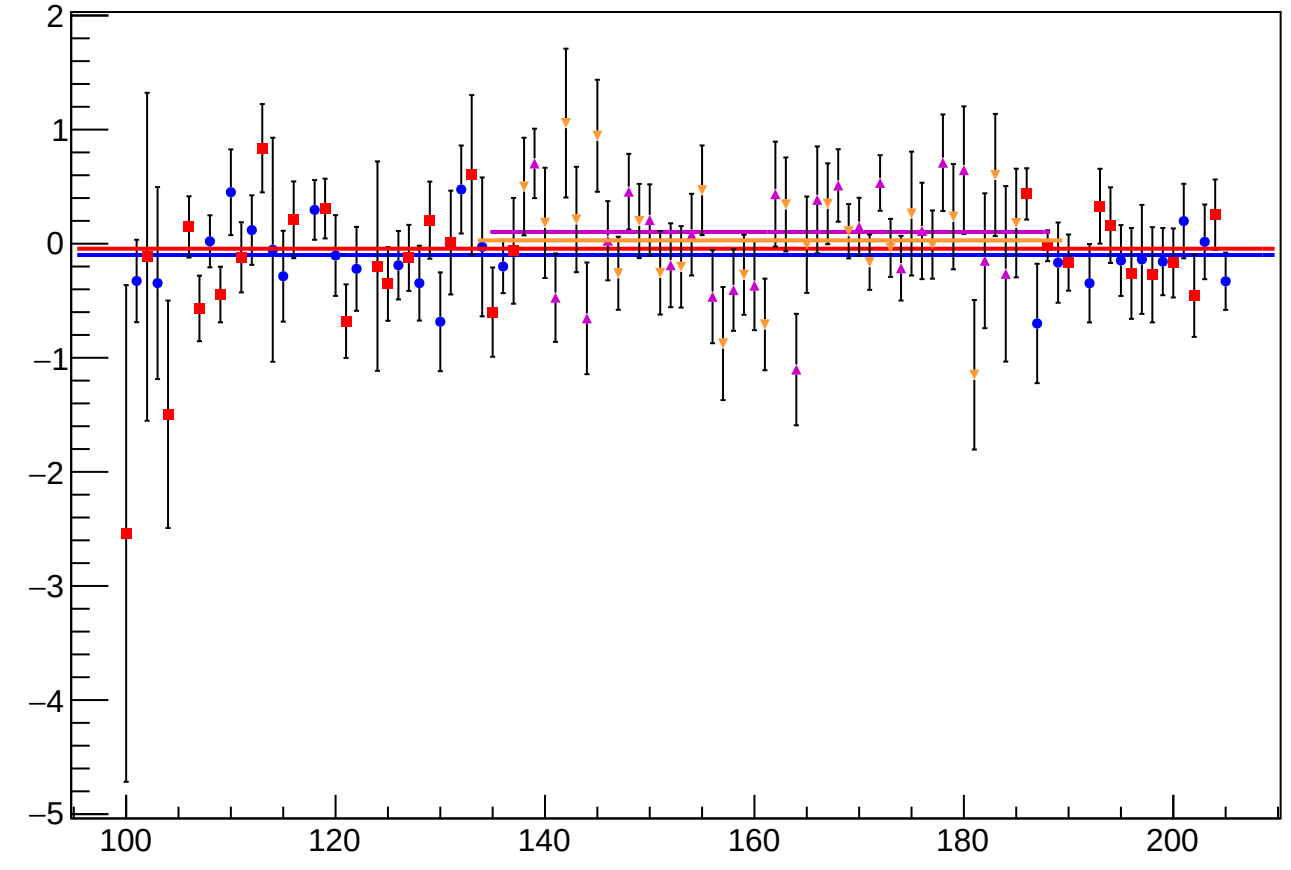
Right Out: 0.008+/-0.000 χ^2/NDF: 12119286.1/28

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 18151267.8/49

All: 0.008+/-0.000 χ^2/NDF: 37444259.6/101

- sign 0.008+/-0.000 χ^2/NDF: 18899145.8/51



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

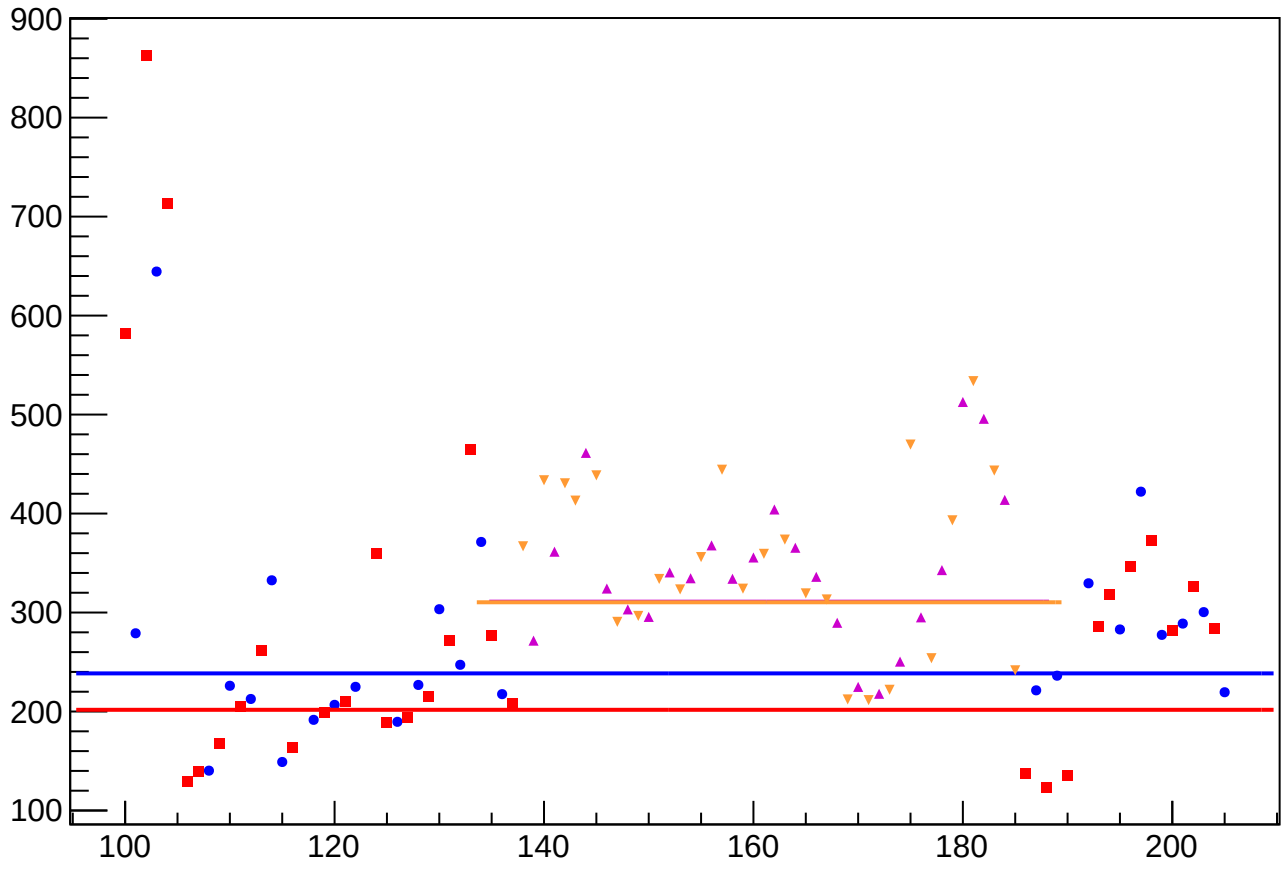
Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.014+/-0.034 χ^2/NDF: 112.3/101

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

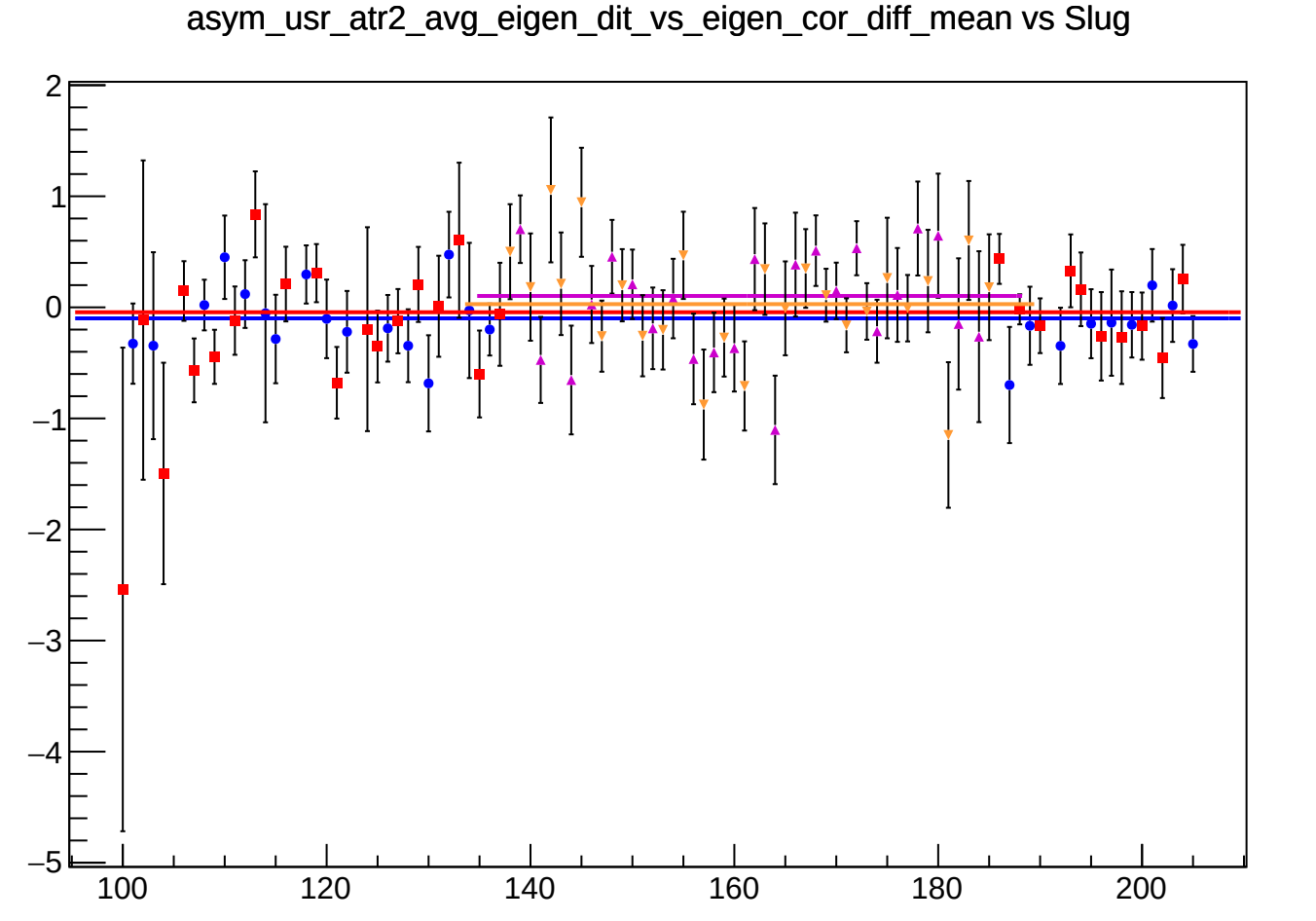
Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 270.948+/-0.035 χ^2/NDF: 5316685.1/49

All: 255.292+/-0.024 χ^2/NDF: 14196367.9/10

- sign 241.967+/-0.033 χ^2/NDF: 8519095.6/51



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

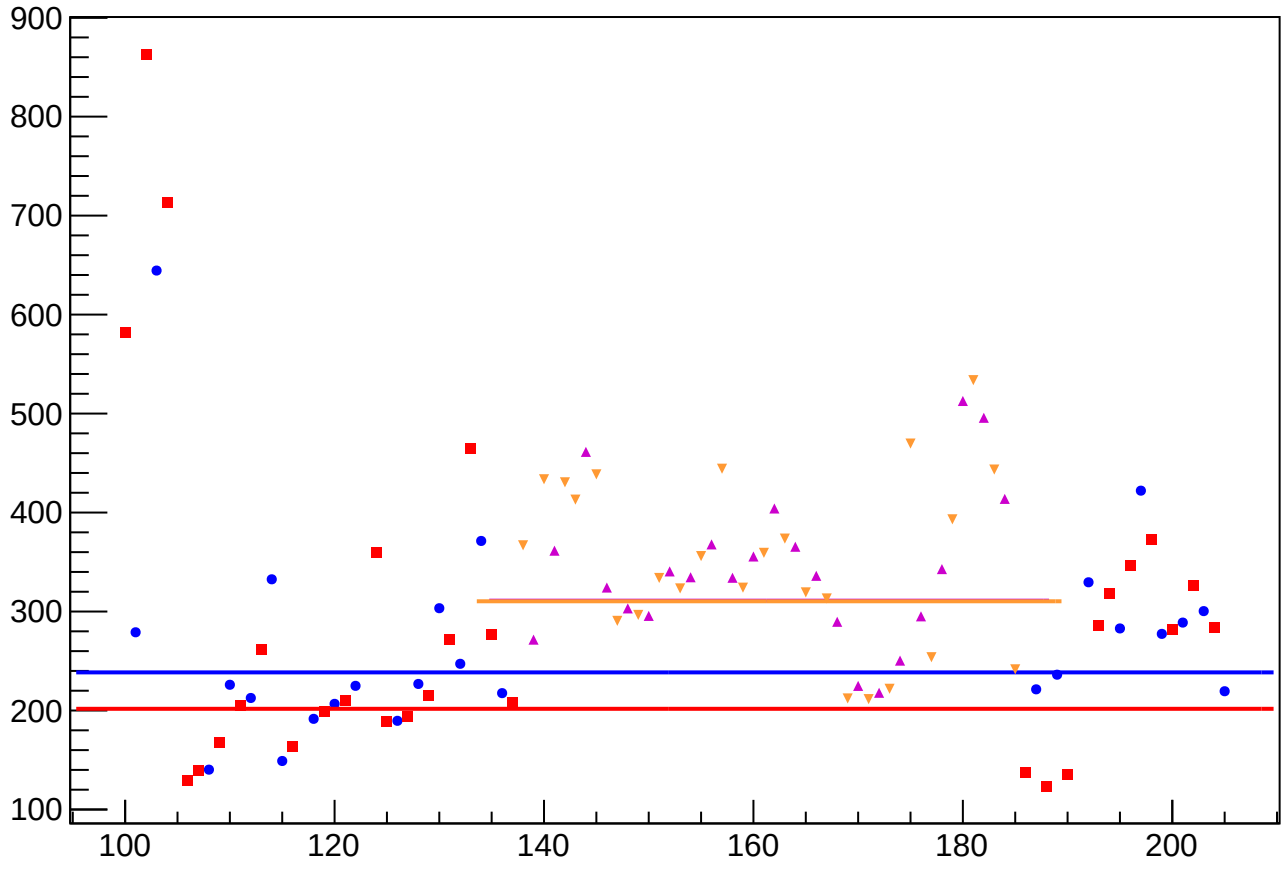
Right Out: -0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.014+/-0.034 χ^2/NDF: 112.3/101

- sign 0.010+/-0.046 χ^2/NDF: 70.1/51



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

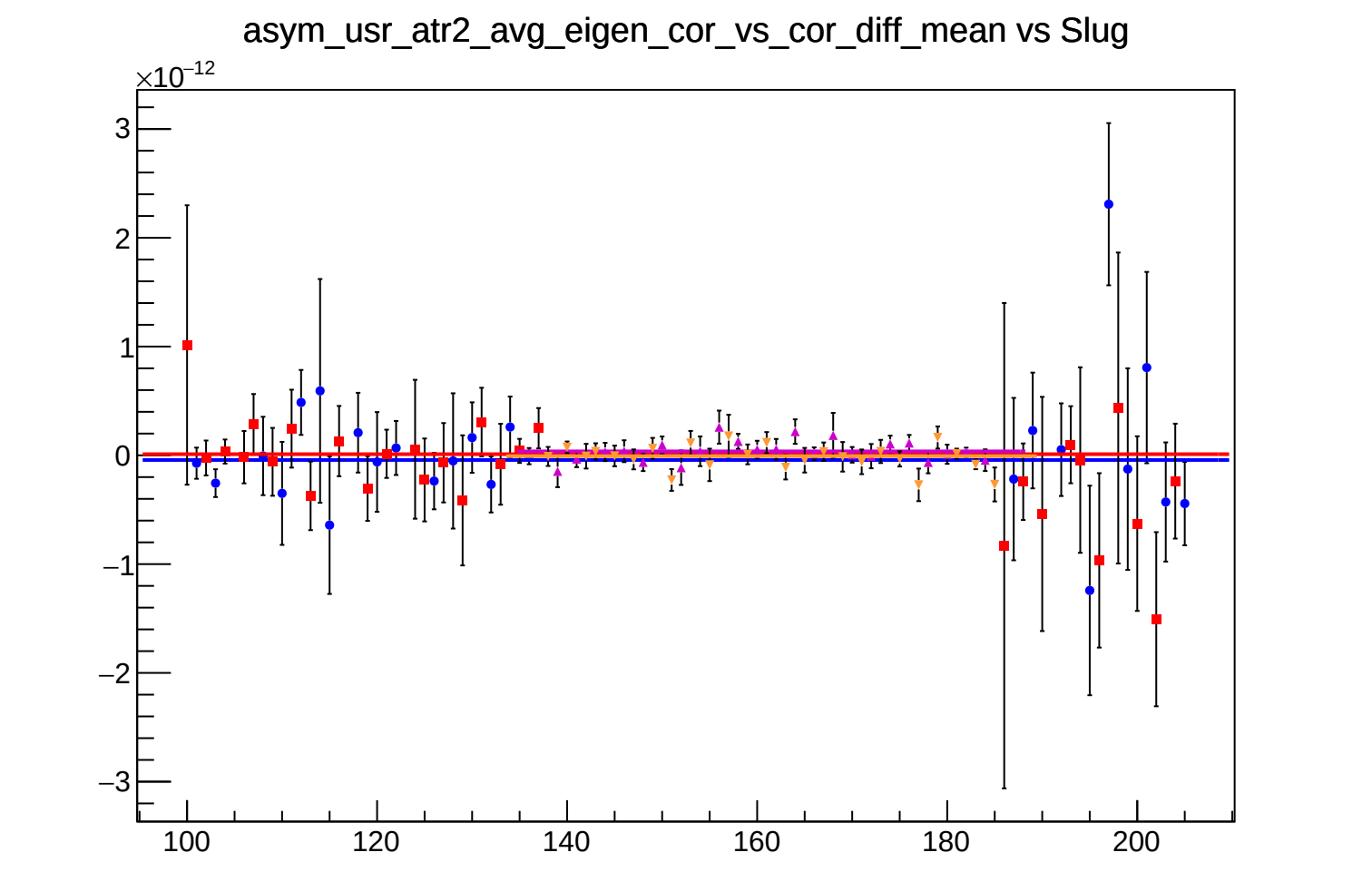
Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

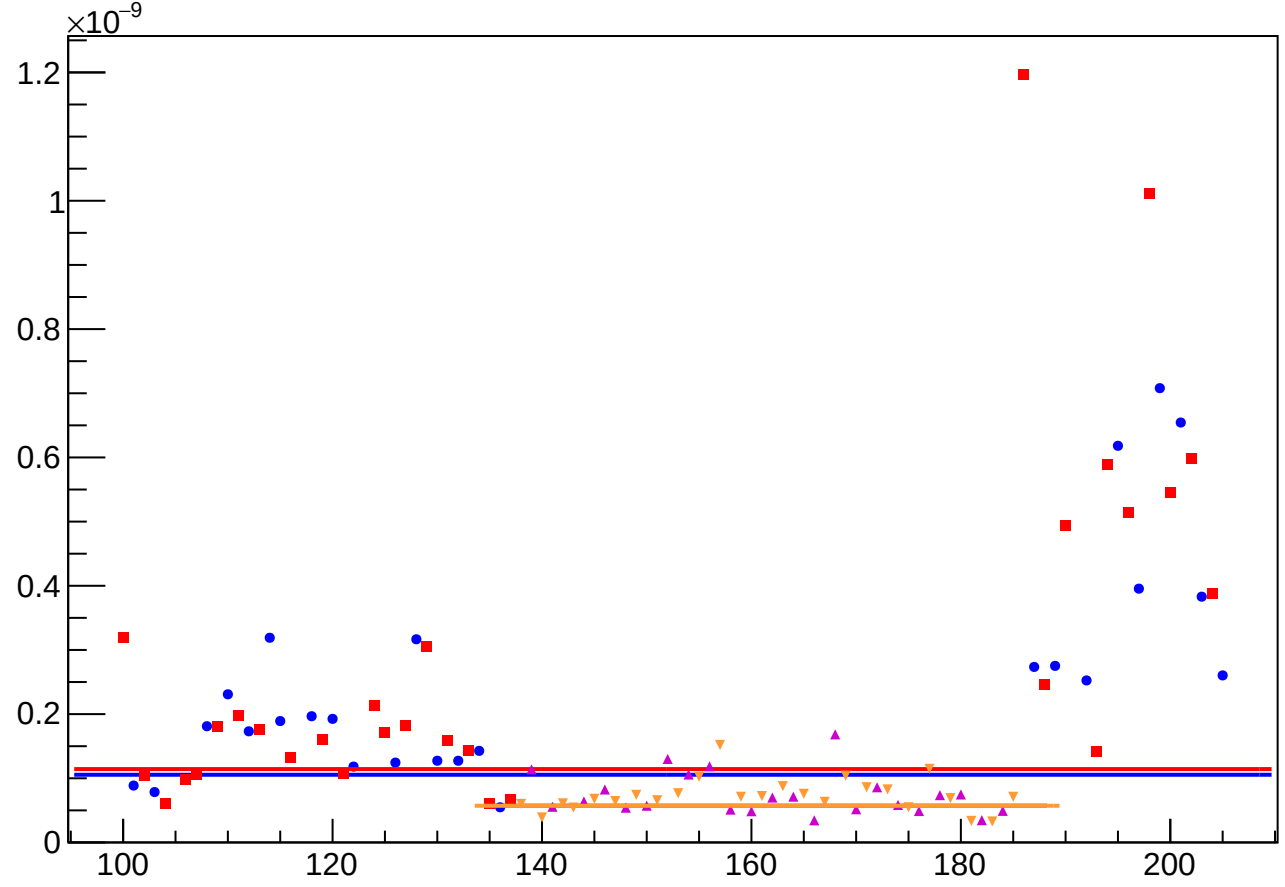
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 270.948+/-0.035 χ^2/NDF: 5316685.1/49

All: 255.292+/-0.024 χ^2/NDF: 14196367.9/10

- sign 241.967+/-0.033 χ^2/NDF: 8519095.6/51


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.9/24
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.5/28
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 52.1/49
All: 0.000+/-0.000 χ²/NDF: 88.4/101
- sign 0.000+/-0.000 χ²/NDF: 32.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 5874075.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6655095.2/28

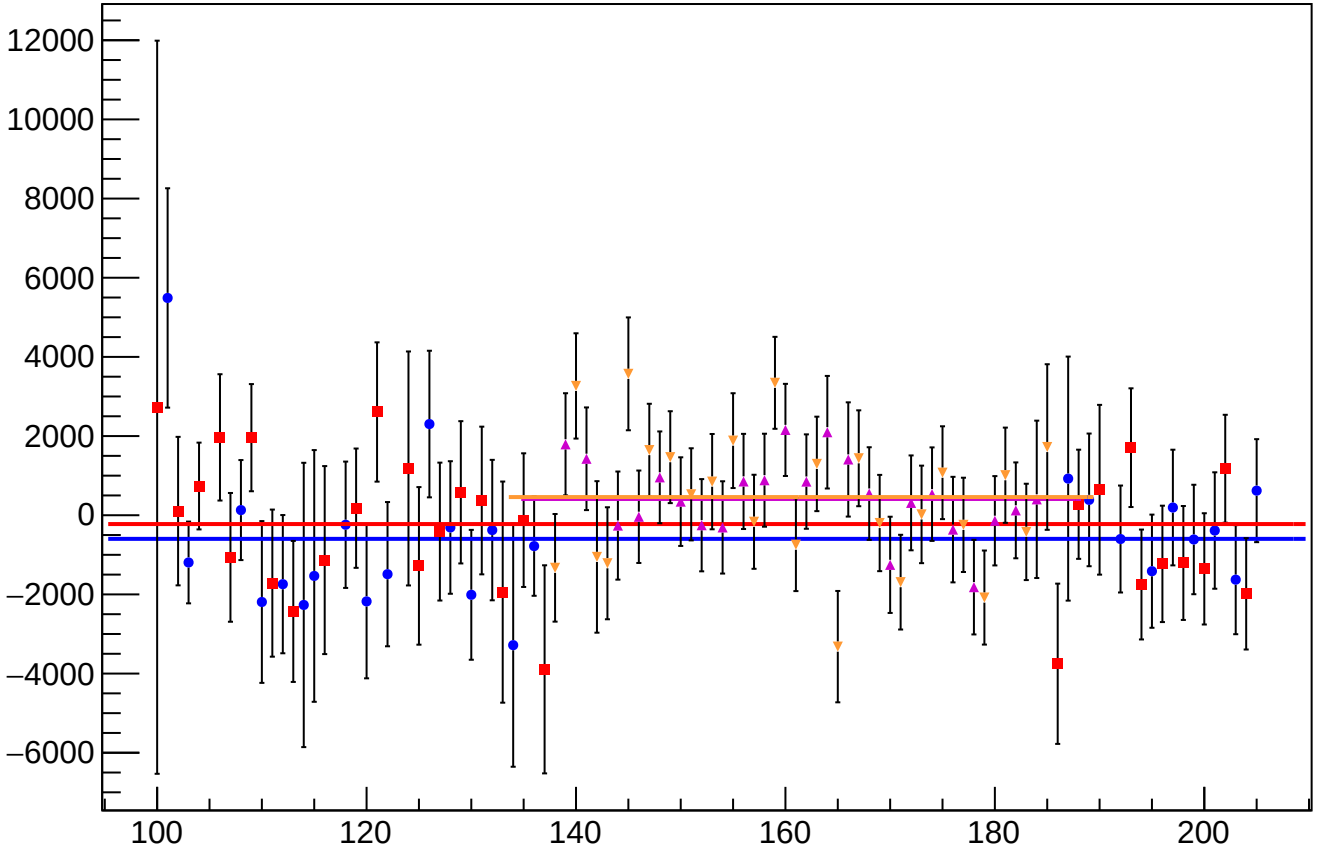
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10984968.5/49

All: 0.000+/-0.000 χ^2/NDF: 23237602.8/101

- sign 0.000+/-0.000 χ^2/NDF: 12249099.7/51

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -596.750+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -222.794+/-310.774 χ^2/NDF: 24.2/28

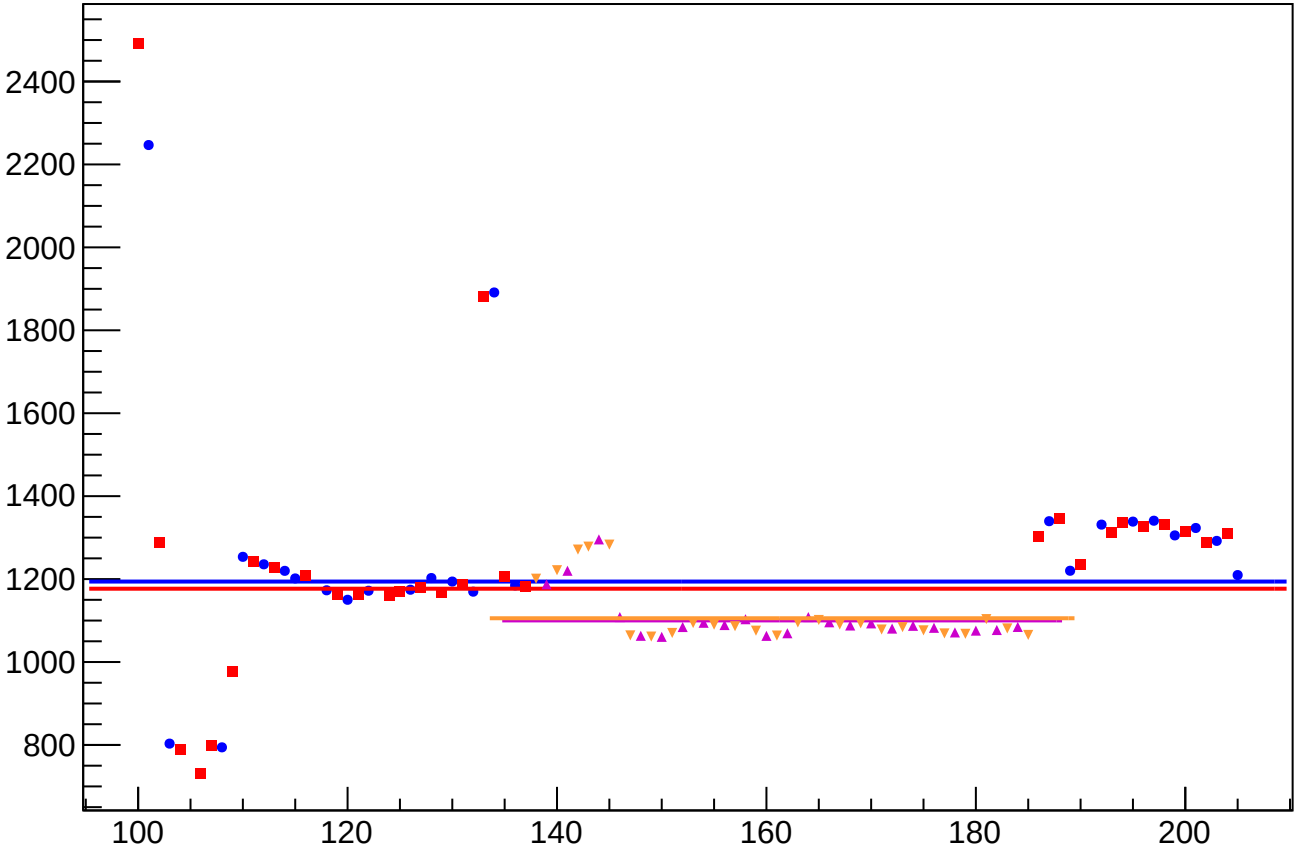
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 61.347+/-198.616 χ^2/NDF: 63.2/49

All: 107.540+/-140.275 χ^2/NDF: 103.6/101

- sign 153.513+/-198.144 χ^2/NDF: 40.3/51

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.059+/-0.229 χ^2/NDF: 988737.4/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.794+/-0.219 χ^2/NDF: 952631.8/28

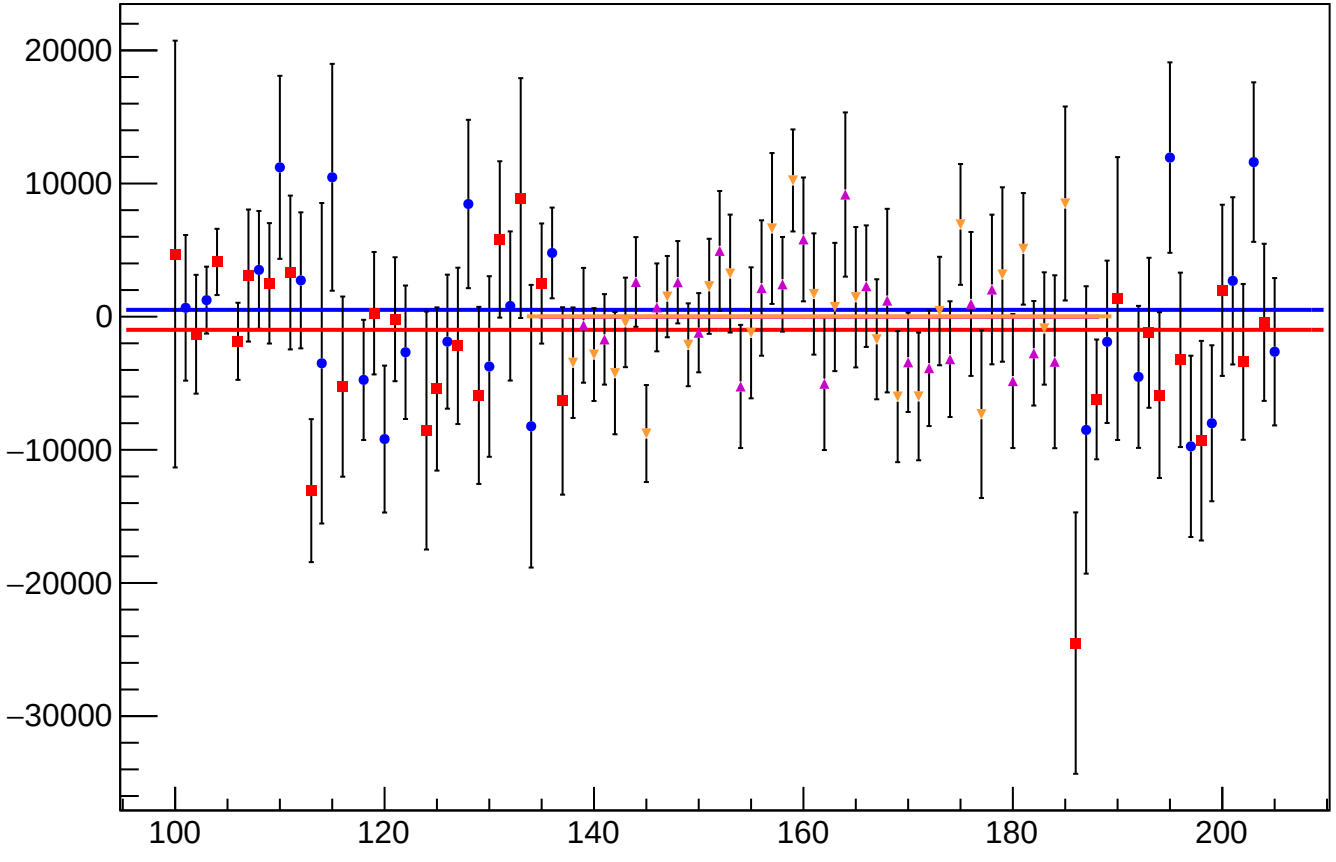
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.875+/-0.140 χ^2/NDF: 1203927.9/49

All: 1135.222+/-0.099 χ^2/NDF: 2310372.4/10

- sign 1131.601+/-0.140 χ^2/NDF: 1105097.2/51

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: 513.057+/-1063.096 χ^2/NDF: 26.5/24

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -987.502+/-973.494 χ^2/NDF: 26.9/28

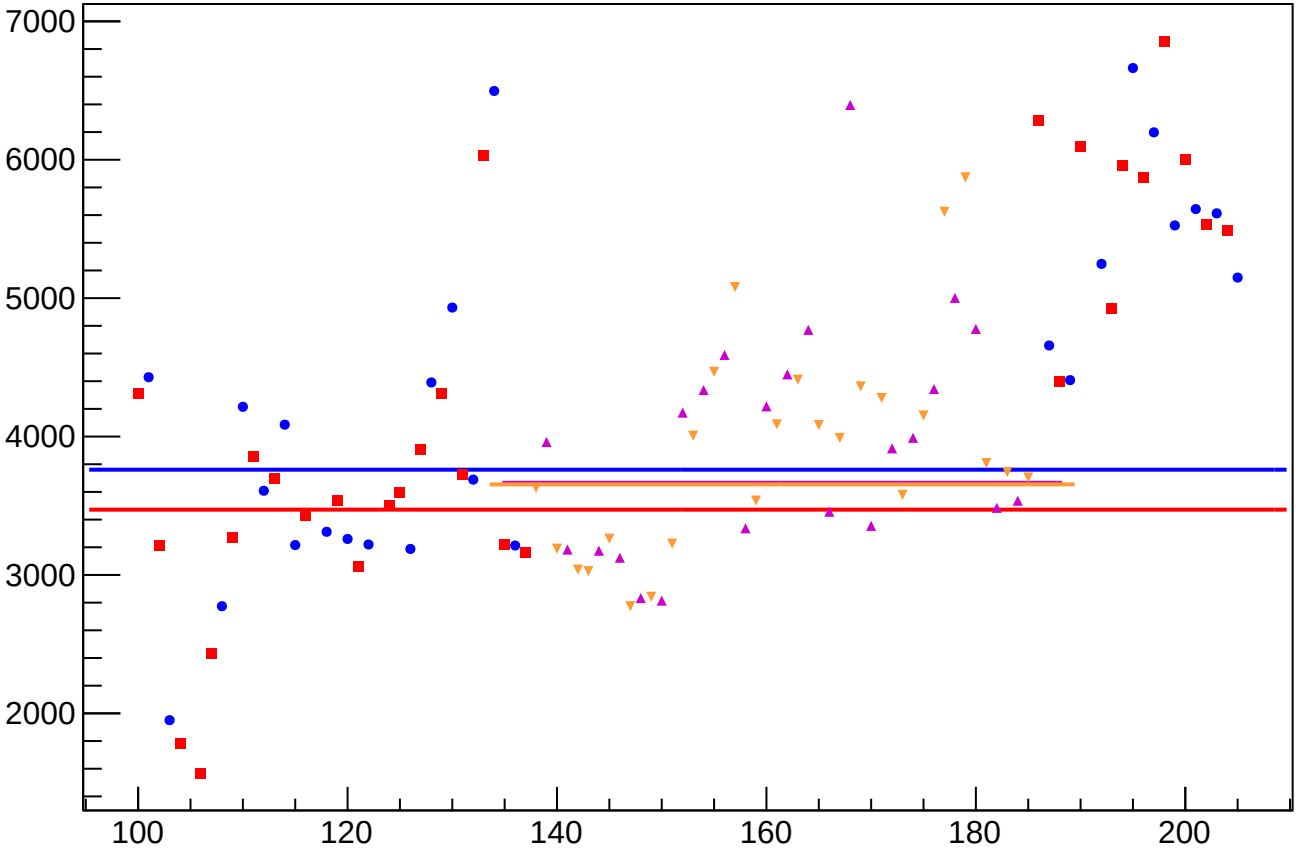
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 214.446+/-664.076 χ^2/NDF: 55.1/49

All: -121.858+/-464.833 χ^2/NDF: 97.1/101

- sign -444.918+/-650.868 χ^2/NDF: 41.4/51

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3760.653+/-0.752 χ^2/NDF: 2993013.1/24

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3471.918+/-0.688 χ^2/NDF: 4431210.6/28

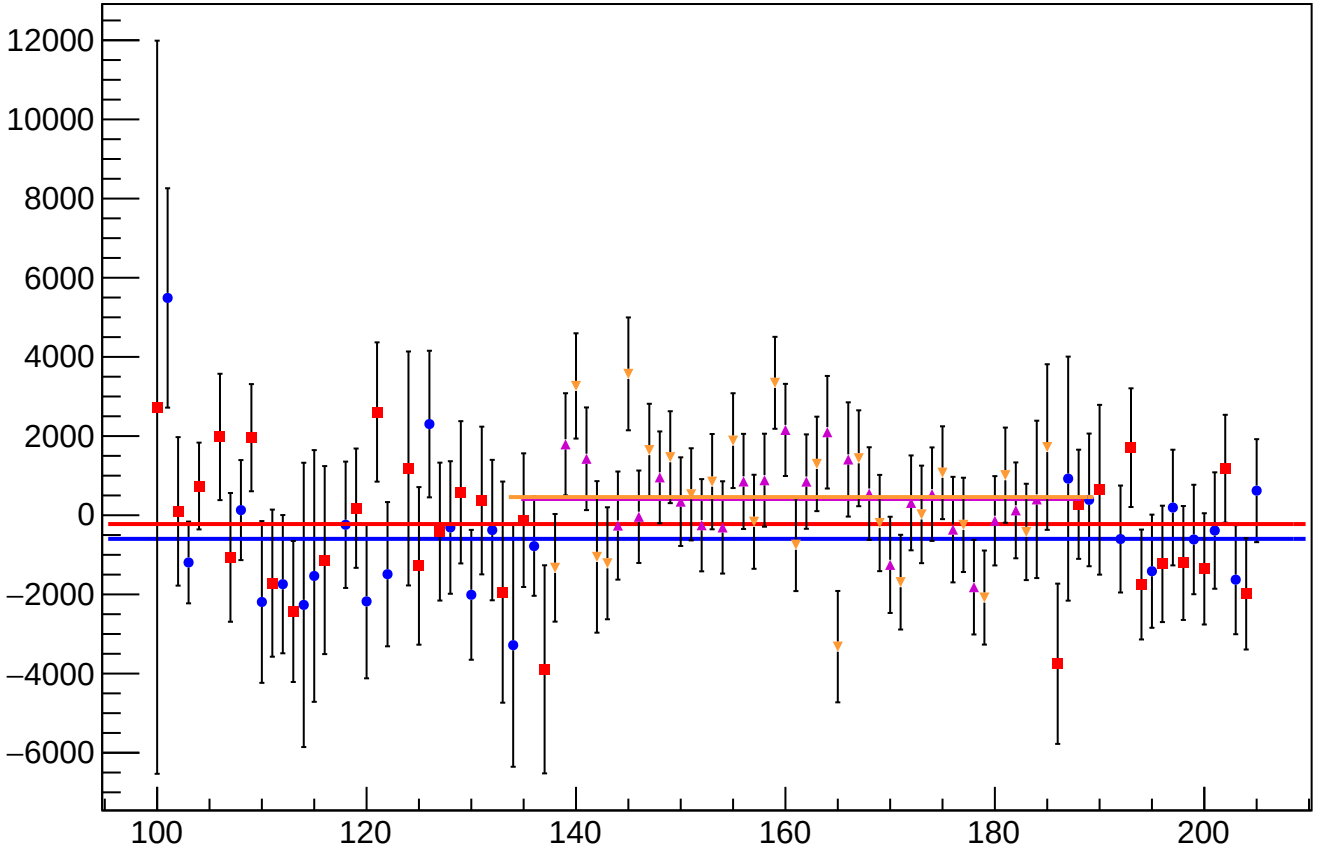
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3695.737+/-0.470 χ^2/NDF: 4317004.1/49

All: 3636.353+/-0.329 χ^2/NDF: 10167292.4/1

- sign 3579.308+/-0.460 χ^2/NDF: 5818932.4/51

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -222.630+/-310.776 χ^2/NDF: 24.2/28

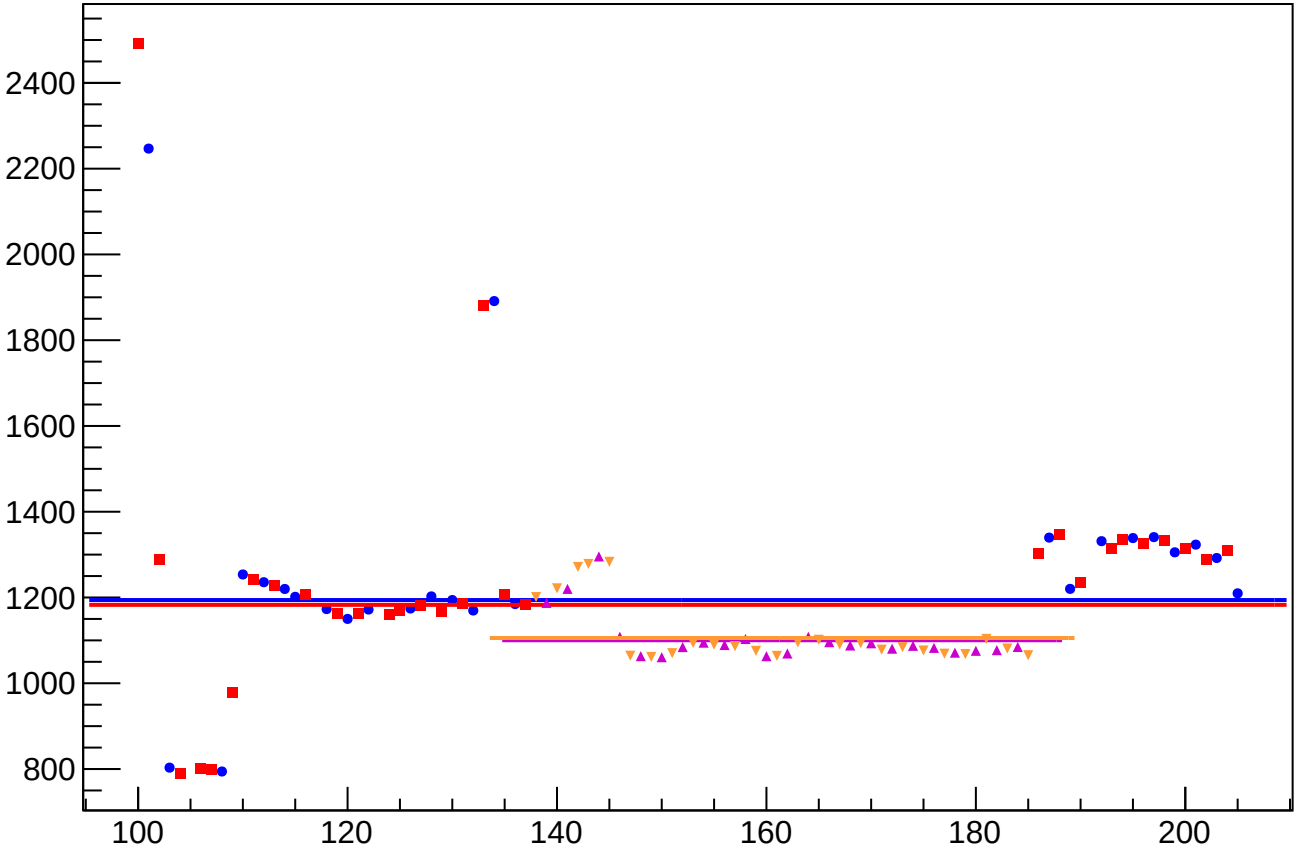
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 61.380+/-198.616 χ^2/NDF: 63.2/49

All: 107.561+/-140.275 χ^2/NDF: 103.6/101

- sign 153.523+/-198.144 χ^2/NDF: 40.3/51

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

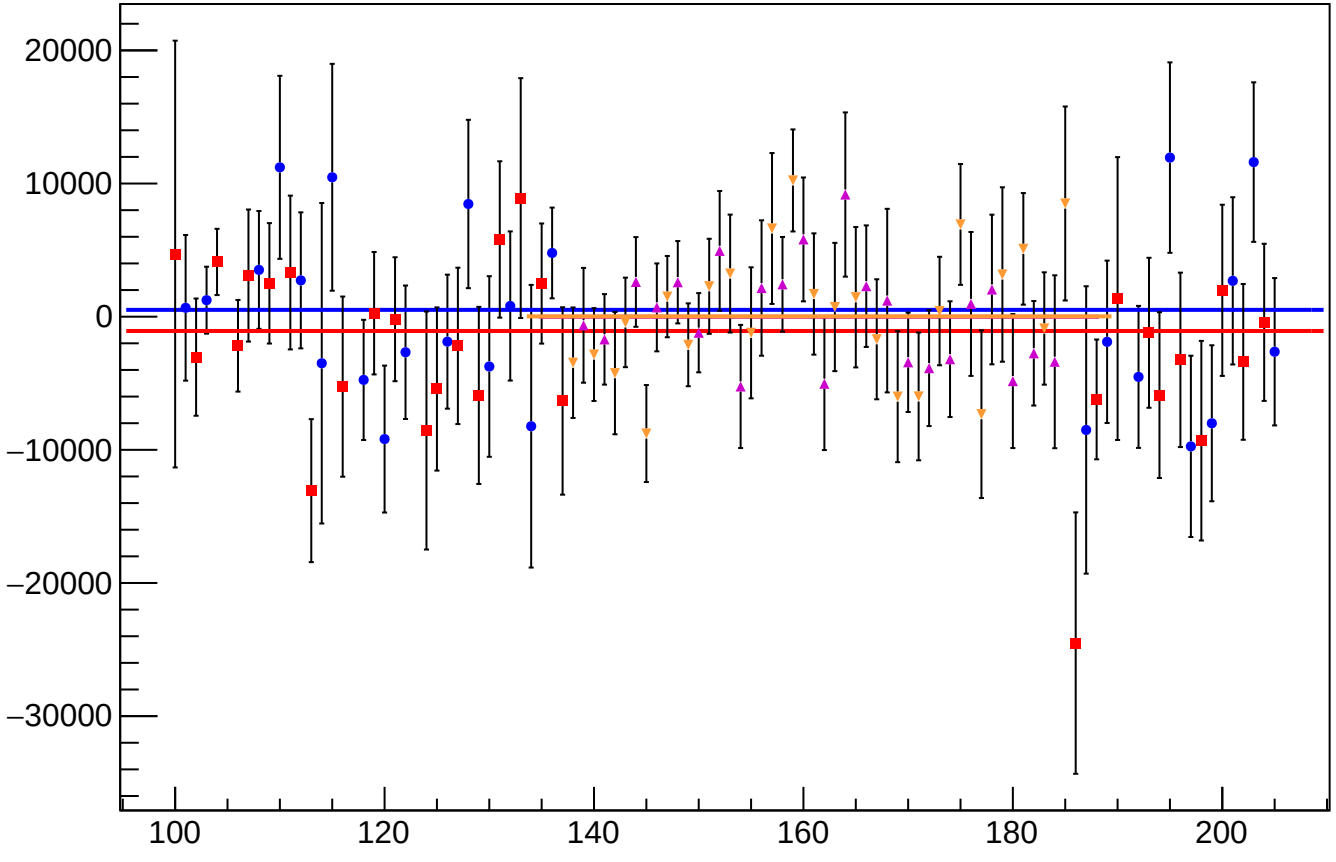
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.875+/-0.140 χ^2/NDF: 1203924.1/49

All: 1136.396+/-0.099 χ^2/NDF: 2242753.5/10

- sign 1133.930+/-0.140 χ^2/NDF: 1038207.5/51

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1073.014+/-989.389 χ^2/NDF: 27.1/28

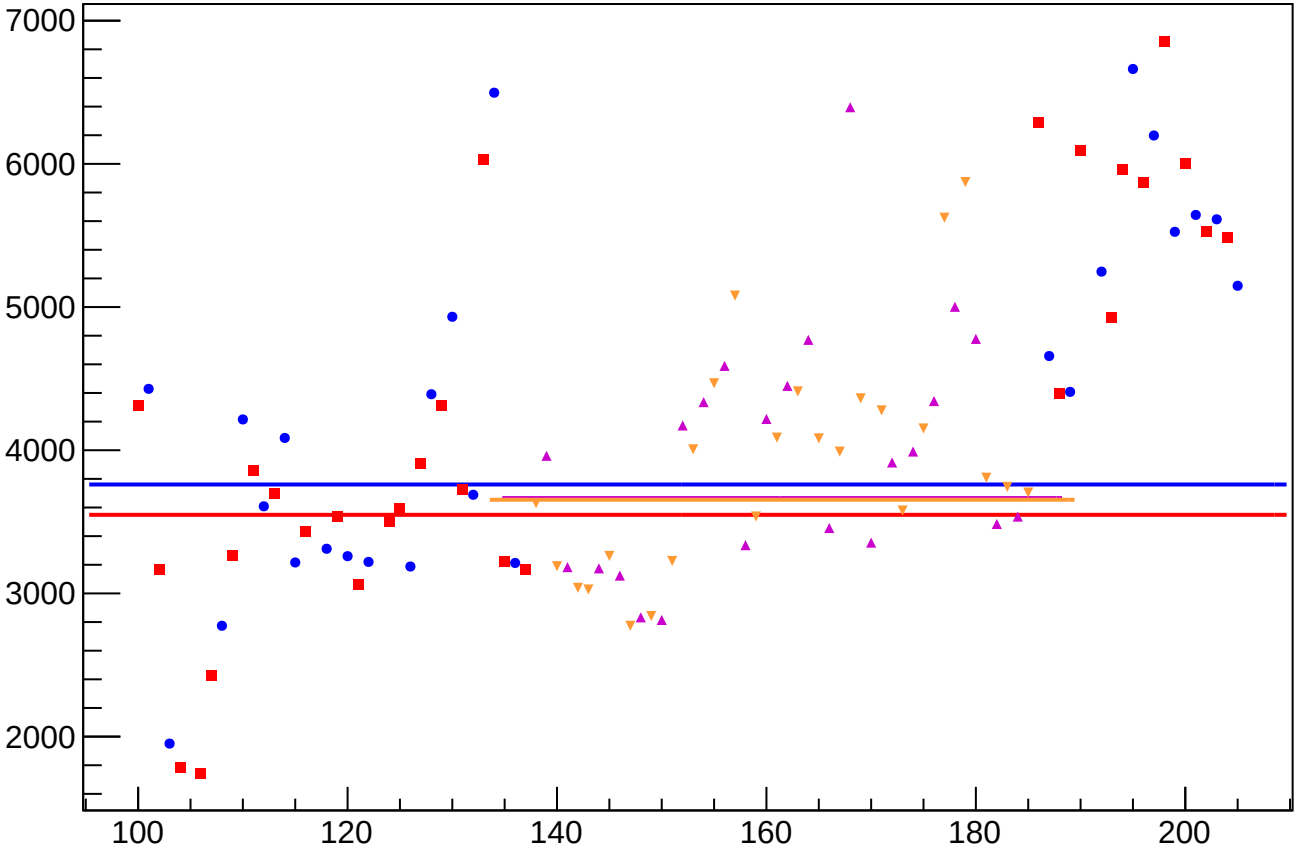
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 214.268+/-664.084 χ^2/NDF: 55.1/49

All: -134.642+/-466.533 χ^2/NDF: 97.4/101

- sign -474.646+/-655.554 χ^2/NDF: 41.8/51

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

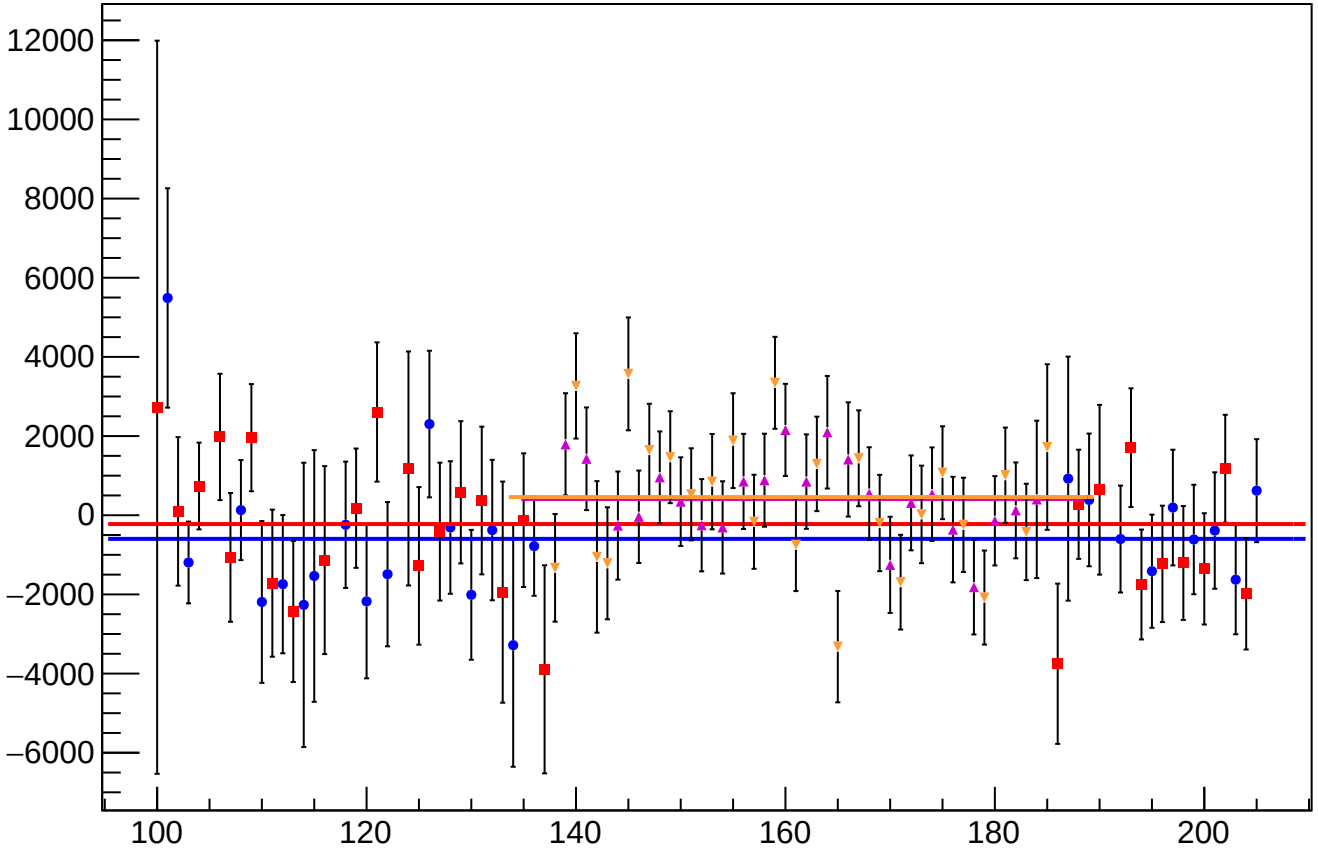
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3695.800+/-0.470 χ^2/NDF: 4316289.9/49

All: 3654.705+/-0.330 χ^2/NDF: 9749972.0/10

- sign 3614.659+/-0.464 χ^2/NDF: 5418559.8/51

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -222.630+/-310.776 χ^2/NDF: 24.2/28

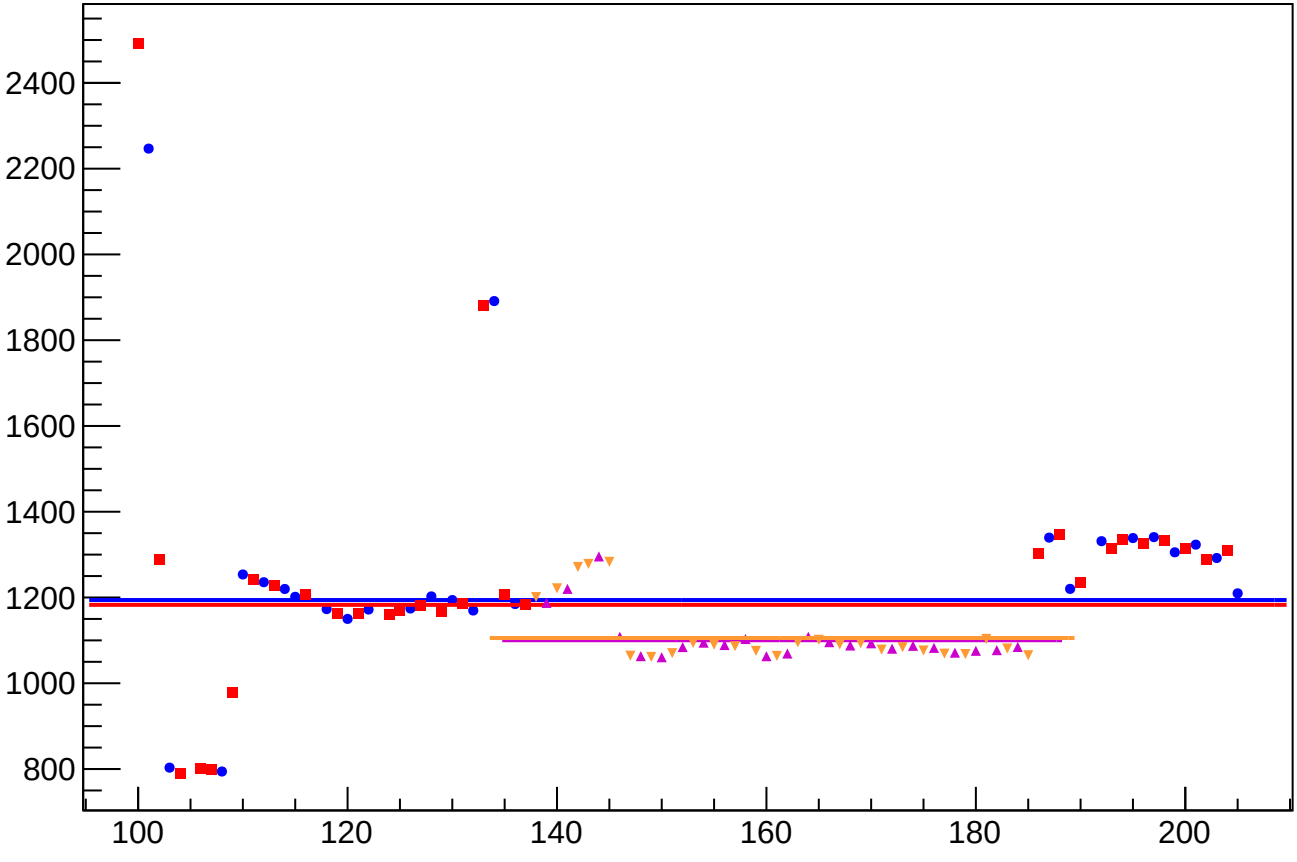
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 61.380+/-198.616 χ^2/NDF: 63.2/49

All: 107.561+/-140.275 χ^2/NDF: 103.6/101

- sign 153.523+/-198.144 χ^2/NDF: 40.3/51

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

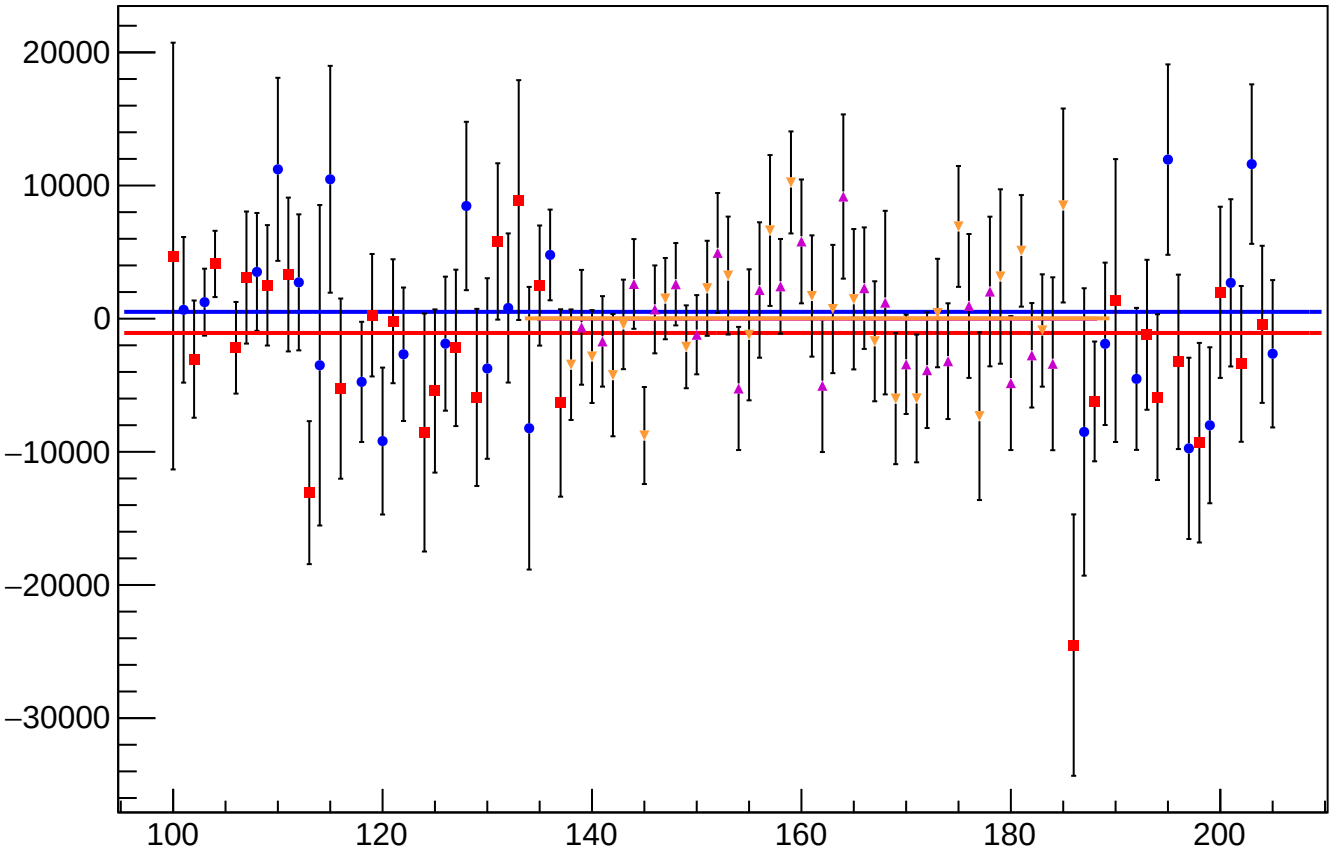
Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.875+/-0.140 χ^2/NDF: 1203924.1/49

All: 1136.396+/-0.099 χ^2/NDF: 2242753.5/10

- sign 1133.930+/-0.140 χ^2/NDF: 1038207.5/51



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

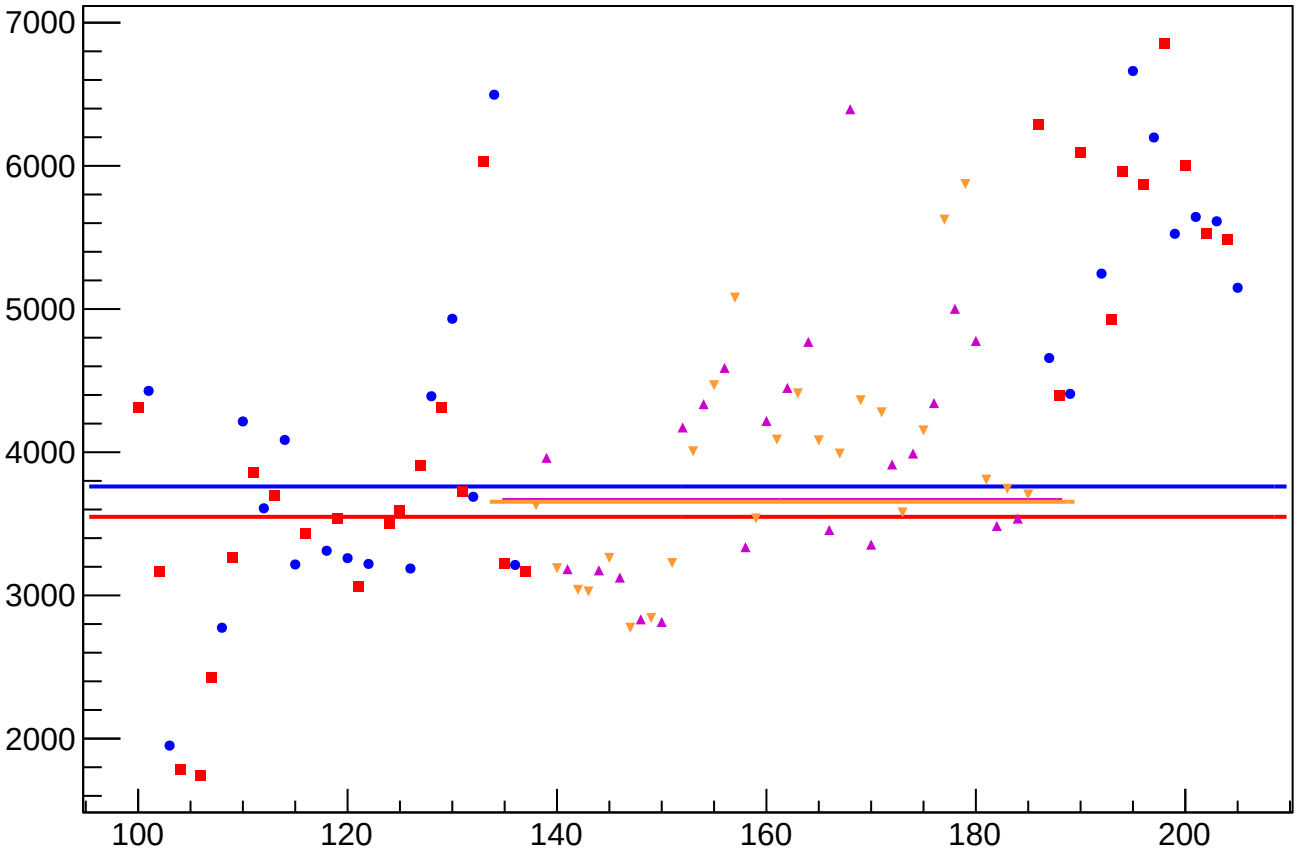
Right Out: -1073.014+/-989.389 χ^2/NDF: 27.1/28

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 214.268+/-664.084 χ^2/NDF: 55.1/49

All: -134.642+/-466.533 χ^2/NDF: 97.4/101

- sign -474.646+/-655.554 χ^2/NDF: 41.8/51



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

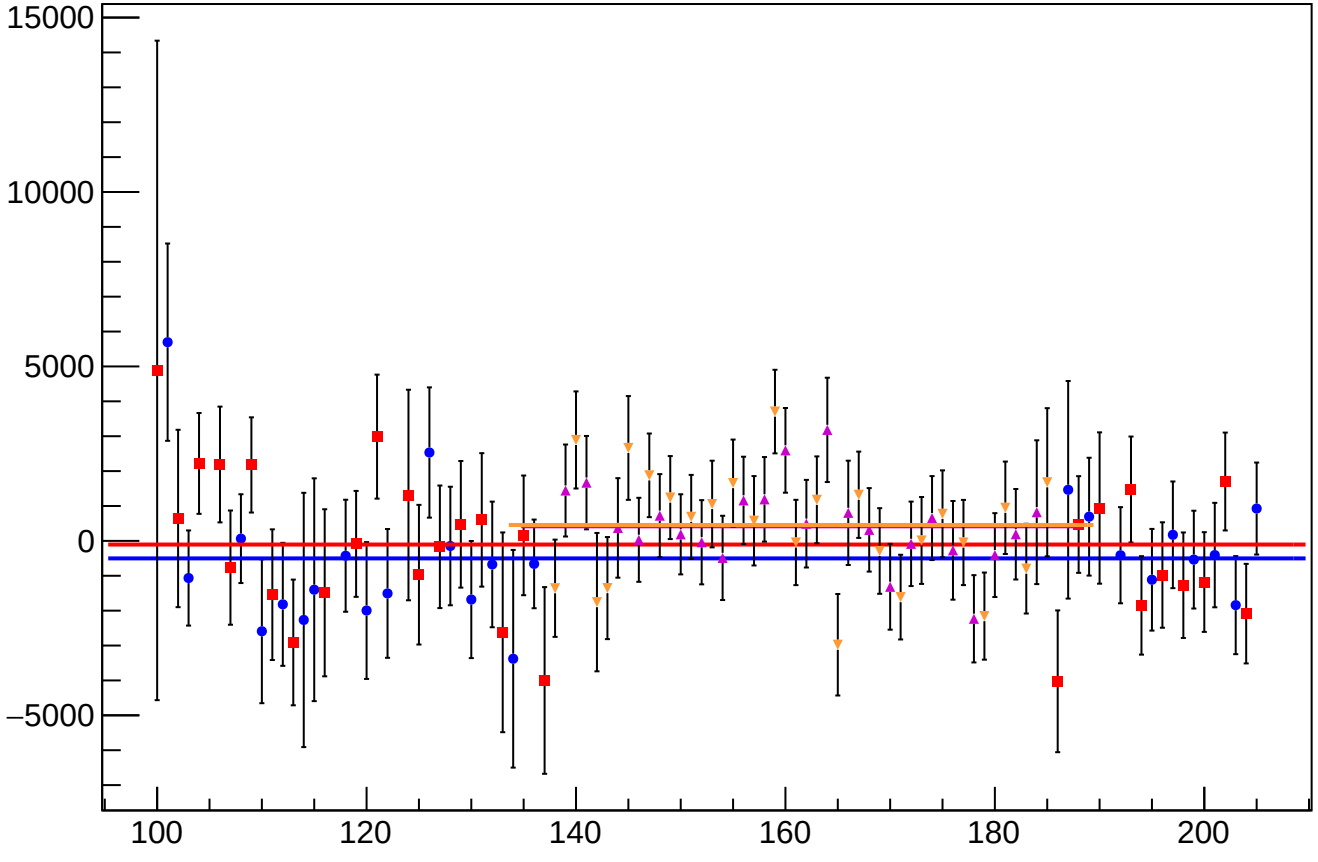
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3695.800+/-0.470 χ^2/NDF: 4316289.9/49

All: 3654.705+/-0.330 χ^2/NDF: 9749972.0/10

- sign 3614.659+/-0.464 χ^2/NDF: 5418559.8/51

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -502.220+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -104.761+/-323.163 χ^2/NDF: 29.6/28

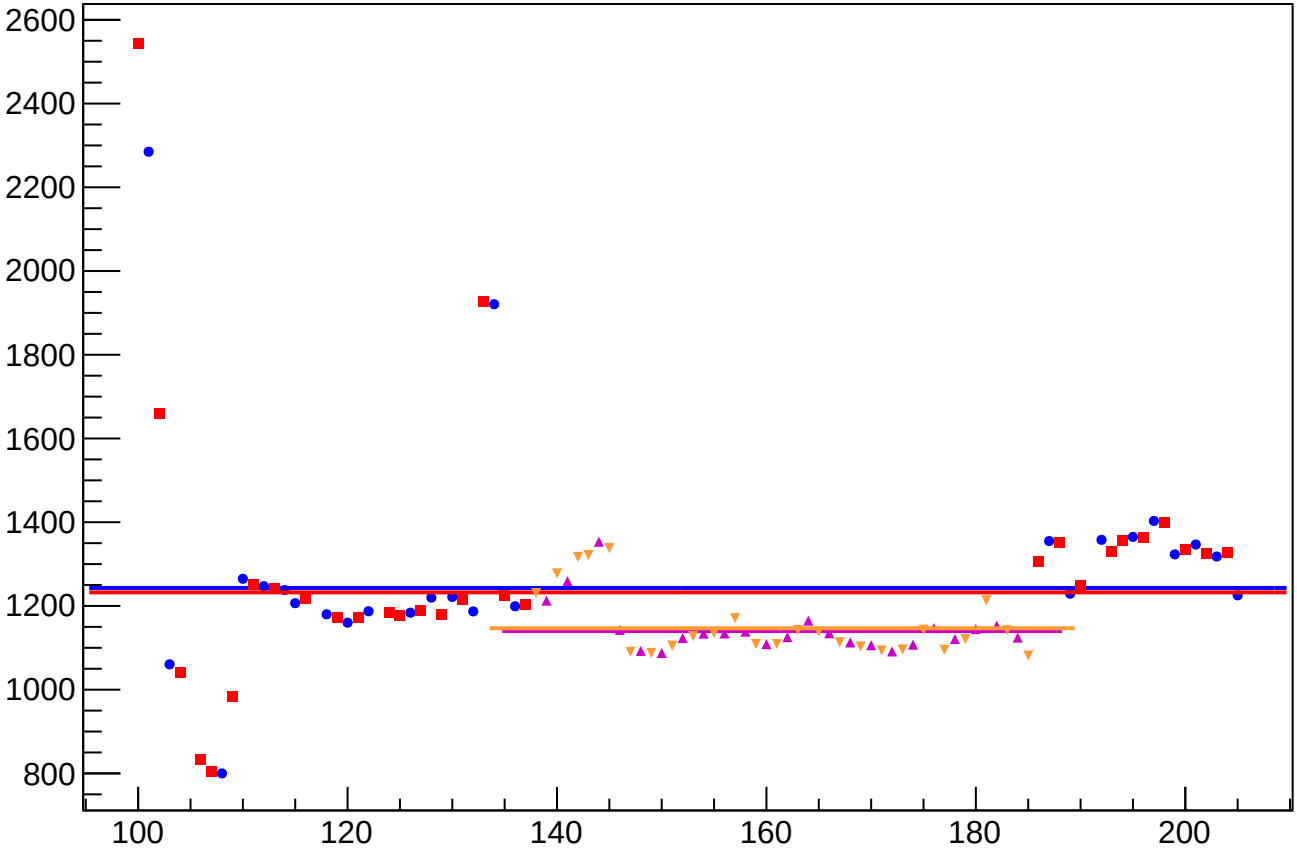
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 94.476+/-205.996 χ^2/NDF: 56.6/49

All: 150.254+/-145.536 χ^2/NDF: 105.2/101

- sign 205.841+/-205.643 χ^2/NDF: 48.5/51

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1242.979+/-0.237 χ^2/NDF: 734946.4/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

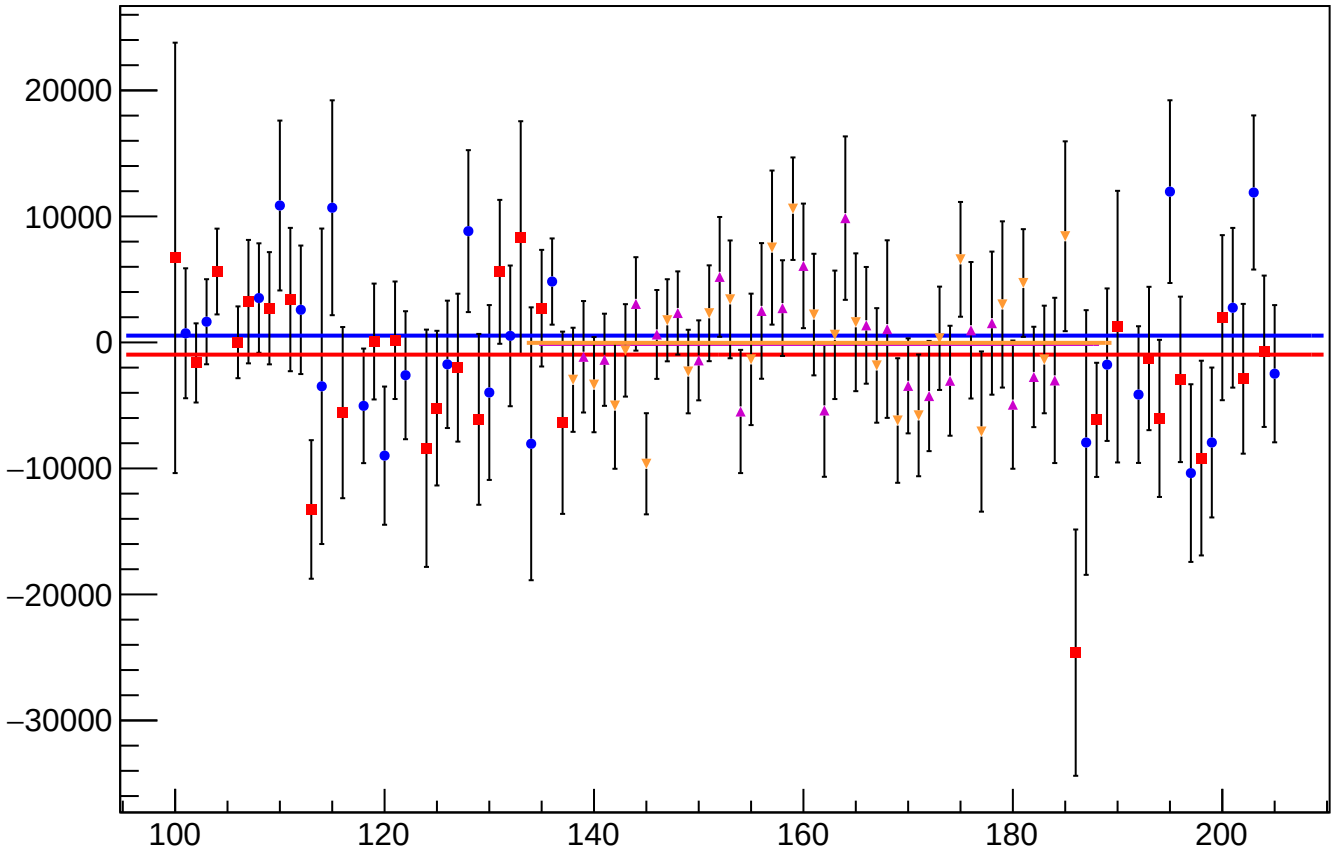
Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.7/28

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1182.953+/-0.146 χ^2/NDF: 978770.0/49

All: 1180.242+/-0.103 χ^2/NDF: 1850220.2/10

- sign 1177.540+/-0.145 χ^2/NDF: 870758.6/51



Right In: 539.223+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -969.543+/-987.317 χ^2/NDF: 26.3/28

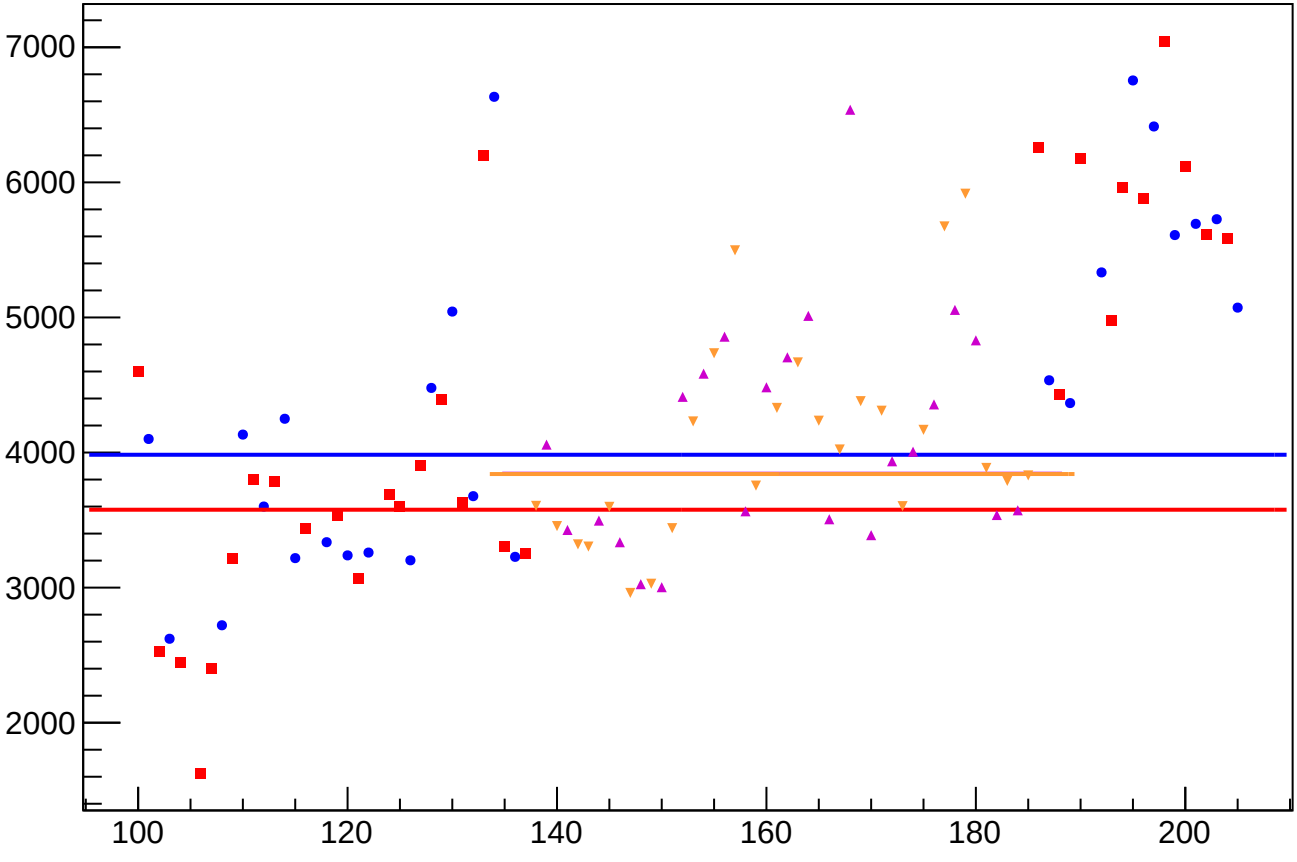
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 191.176+/-694.843 χ^2/NDF: 54.3/49

All: -173.210+/-482.825 χ^2/NDF: 95.3/101

- sign -513.417+/-671.395 χ^2/NDF: 40.5/51

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3983.560+/-0.784 χ^2/NDF: 2177481.9/24

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3576.623+/-0.698 χ^2/NDF: 3921751.9/28

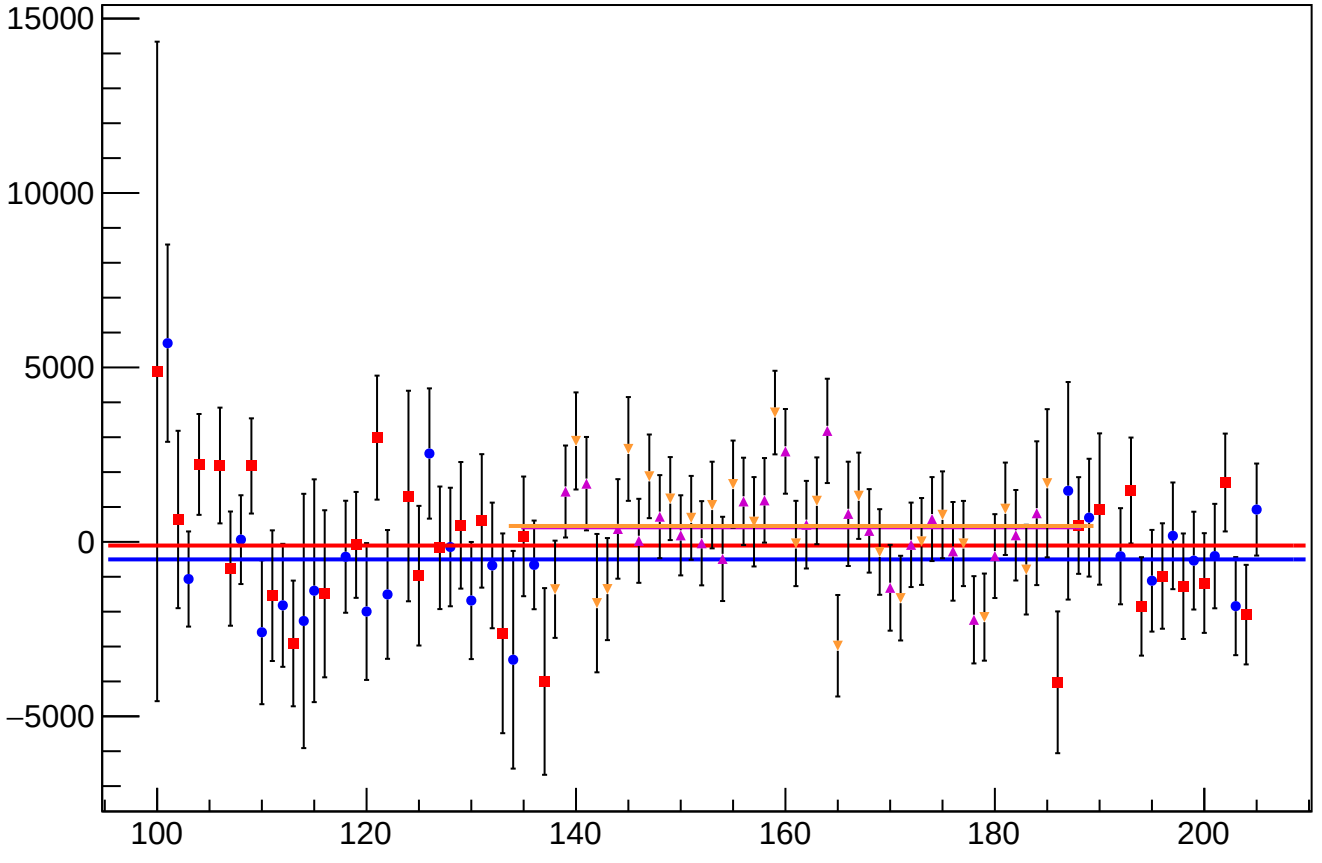
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3896.829+/-0.491 χ^2/NDF: 3316267.5/49

All: 3805.379+/-0.341 χ^2/NDF: 8579521.0/10

- sign 3719.996+/-0.475 χ^2/NDF: 5196263.9/51

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -502.221+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -104.759+/-323.163 χ^2/NDF: 29.6/28

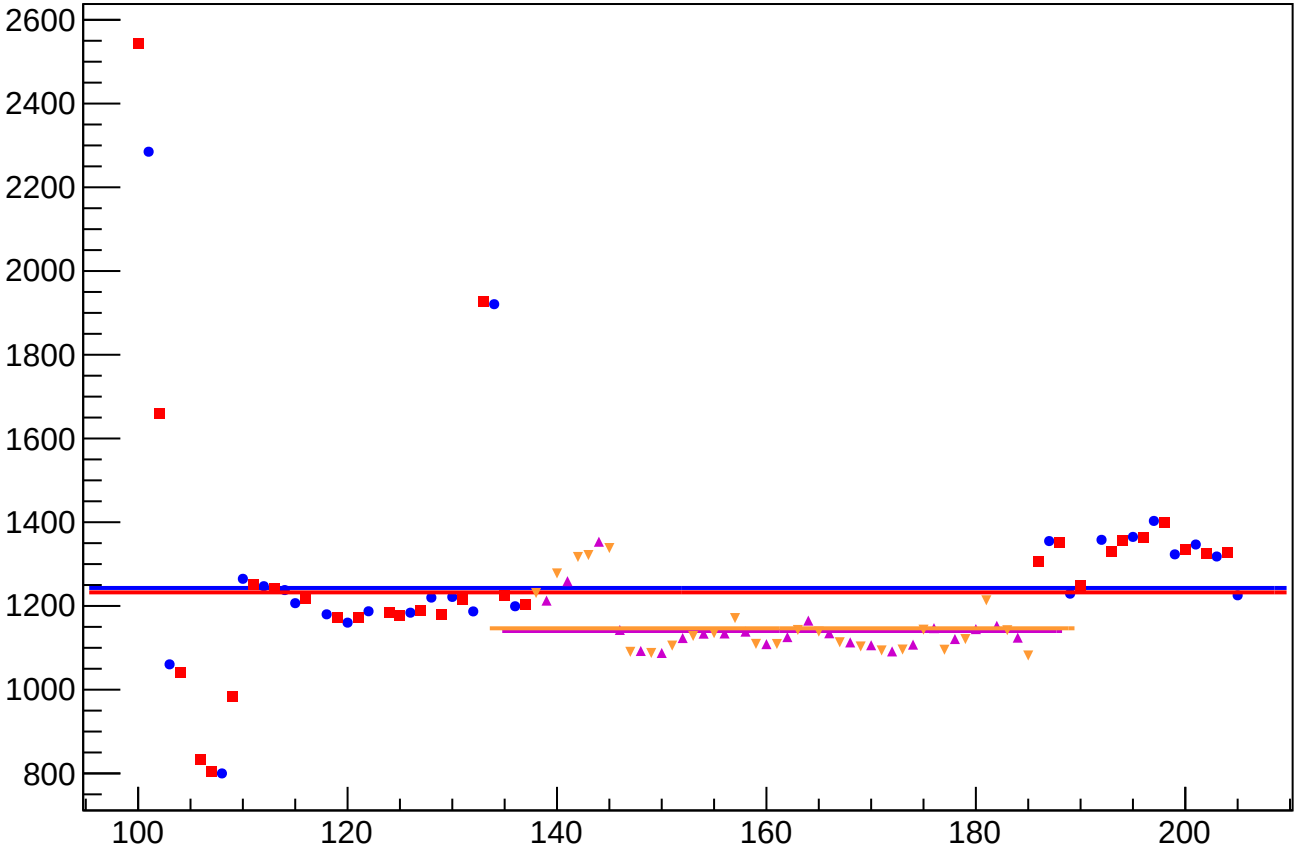
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 94.478+/-205.996 χ^2/NDF: 56.6/49

All: 150.255+/-145.536 χ^2/NDF: 105.2/101

- sign 205.841+/-205.643 χ^2/NDF: 48.5/51

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1242.979+/-0.237 χ^2/NDF: 734947.1/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

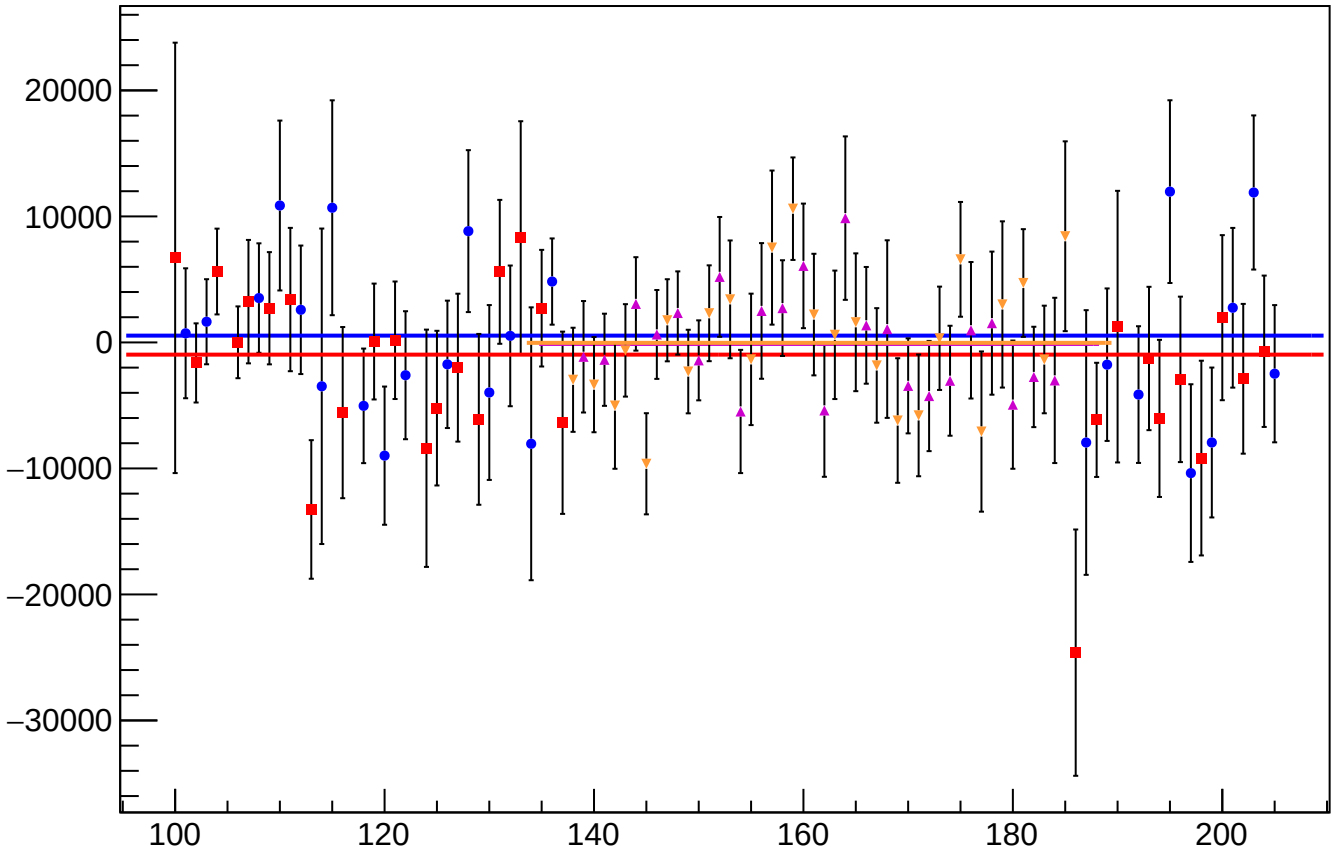
Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.4/28

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1182.953+/-0.146 χ^2/NDF: 978769.2/49

All: 1180.242+/-0.103 χ^2/NDF: 1850217.8/10

- sign 1177.541+/-0.145 χ^2/NDF: 870757.0/51



Right In: 539.212+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

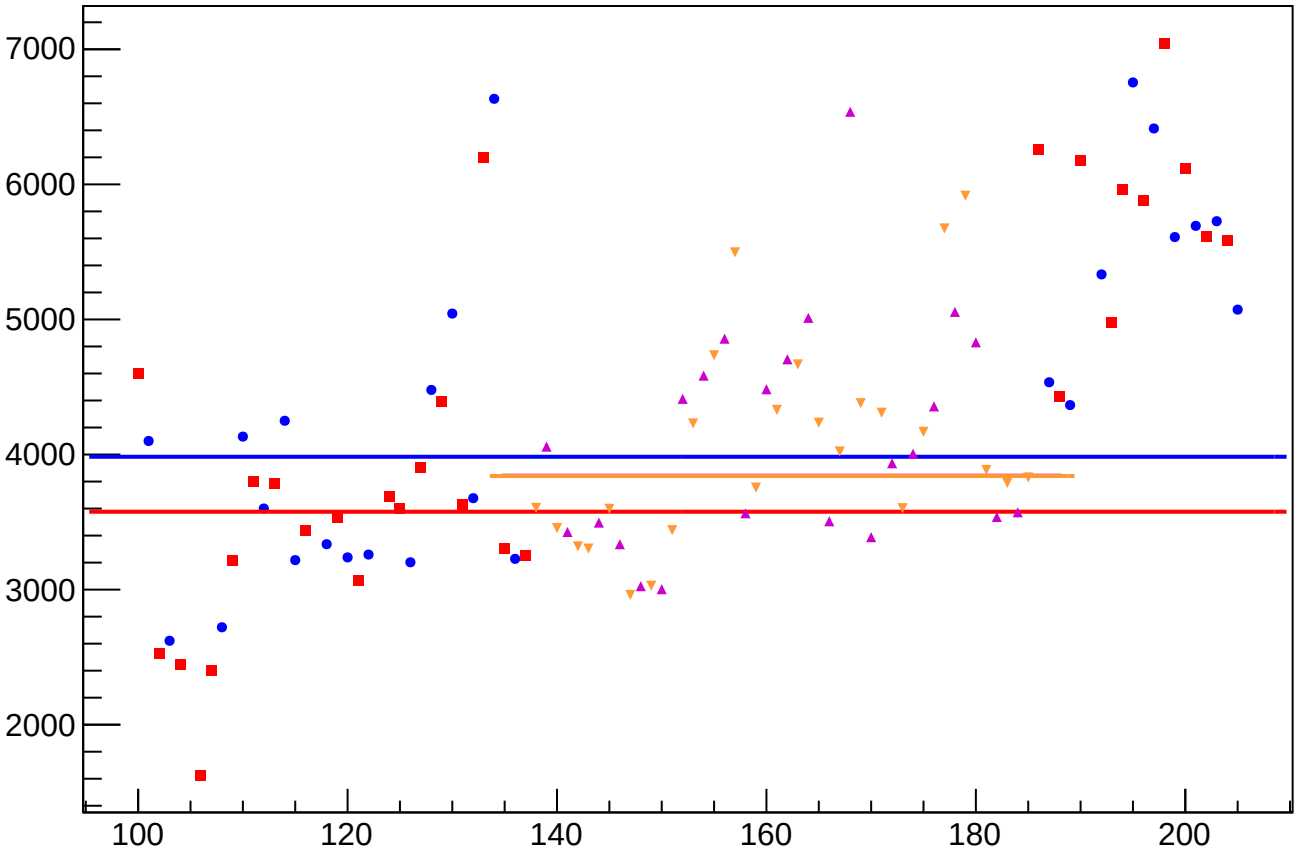
Right Out: -969.535+/-987.316 χ^2/NDF: 26.3/28

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 191.172+/-694.843 χ^2/NDF: 54.3/49

All: -173.211+/-482.825 χ^2/NDF: 95.3/101

- sign -513.416+/-671.396 χ^2/NDF: 40.5/51



Right In: 3983.557+/-0.784 χ^2/NDF: 2177491.6/24

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3576.618+/-0.698 χ^2/NDF: 3921770.6/28

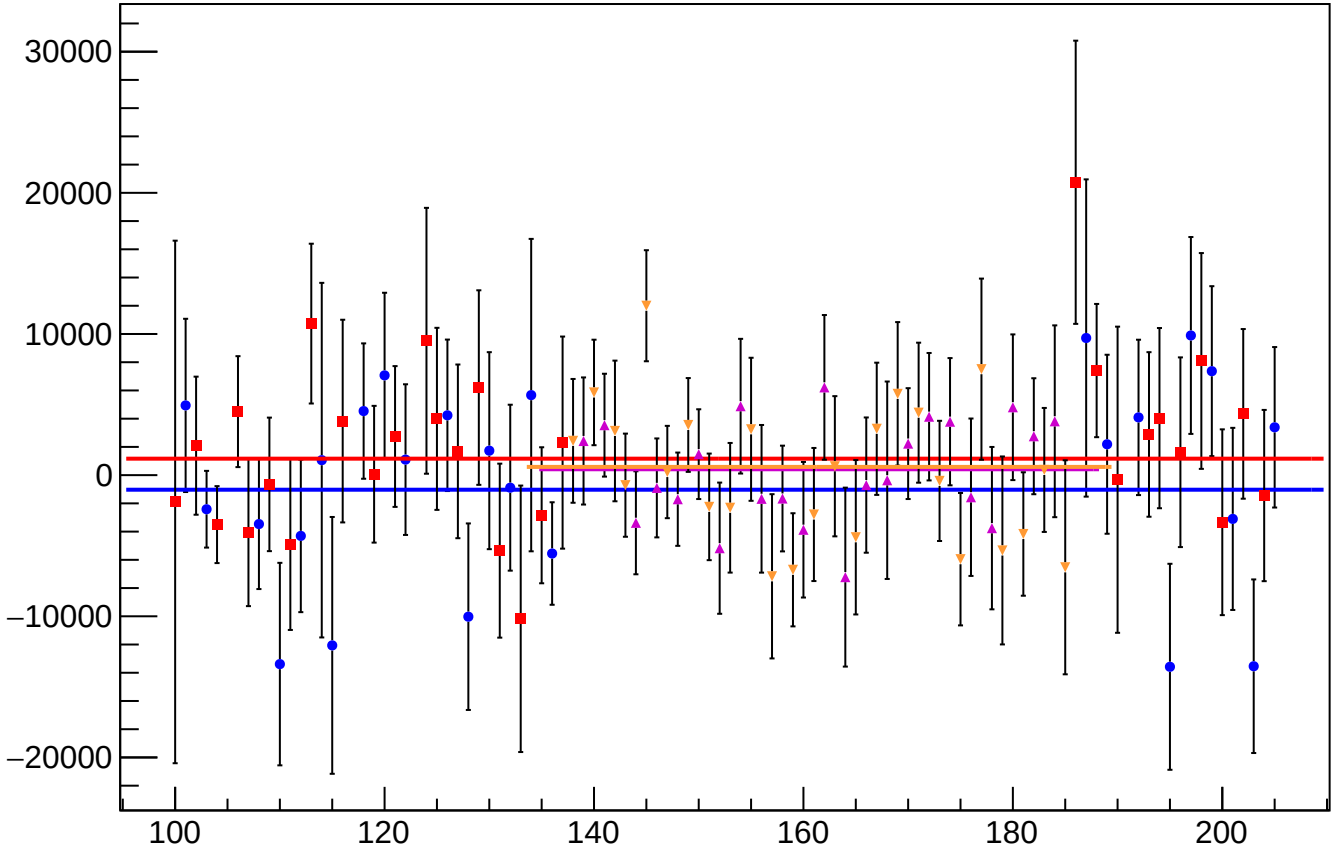
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3896.832+/-0.491 χ^2/NDF: 3316276.7/49

All: 3805.380+/-0.341 χ^2/NDF: 8579560.0/10

- sign 3719.996+/-0.475 χ^2/NDF: 5196292.1/51

asym_usr_atr2_dd_mean vs Slug



Right In: -1032.555+/-1122.055 χ^2/NDF: 28.9/24

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1167.106+/-1053.139 χ^2/NDF: 21.4/28

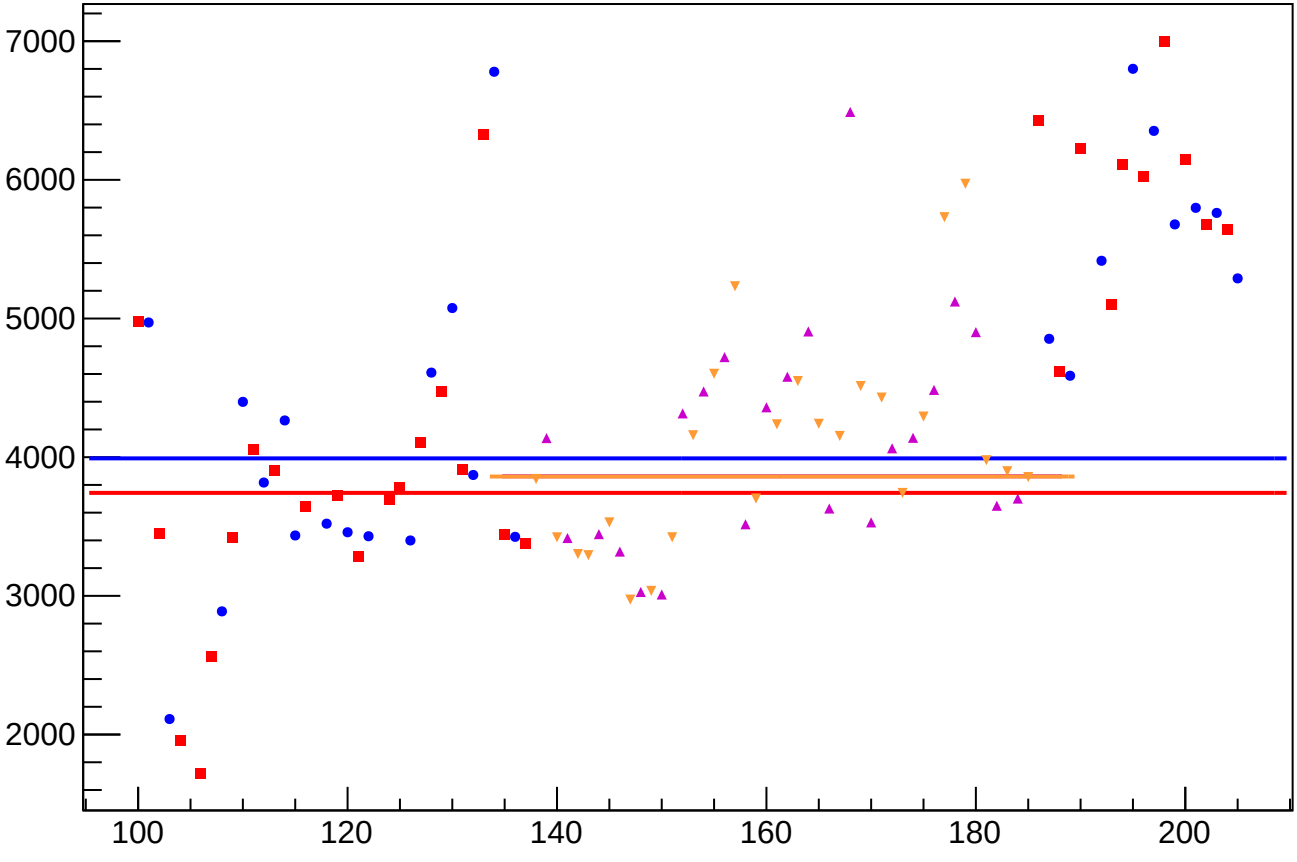
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign -44.938+/-699.633 χ^2/NDF: 57.6/49

All: 352.176+/-492.150 χ^2/NDF: 92.4/101

- sign 741.159+/-692.433 χ^2/NDF: 34.2/51

asym_usr_atr2_dd_rms vs Slug



Right In: 3991.482+/-0.793 χ^2/NDF: 2737149.4/24

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

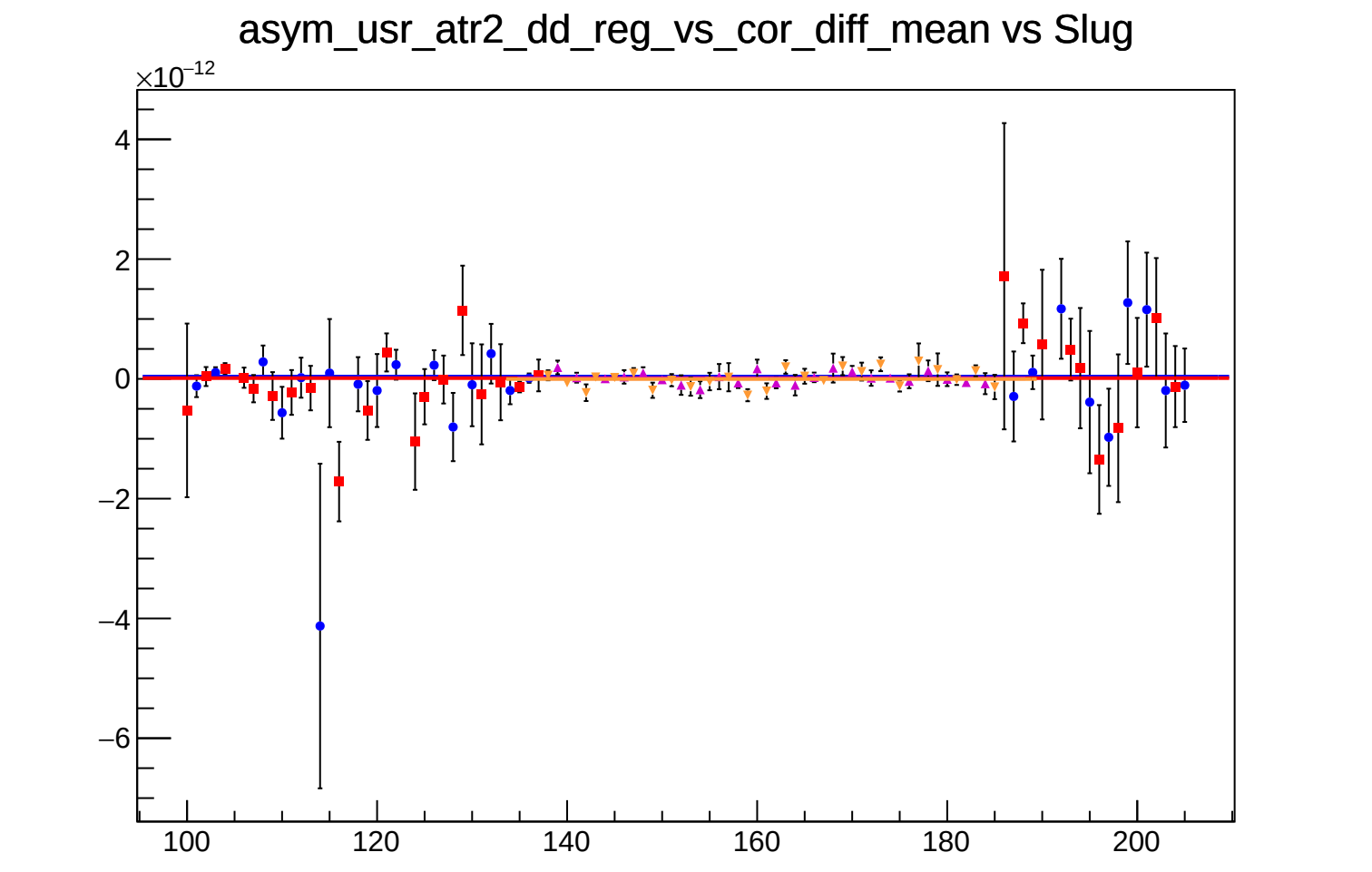
Right Out: 3742.651+/-0.735 χ^2/NDF: 3886812.5/28

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3911.446+/-0.495 χ^2/NDF: 3851090.6/49

All: 3859.850+/-0.347 χ^2/NDF: 8916373.7/10

\- sign 3809.859+/-0.487 χ^2/NDF: 5043866.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

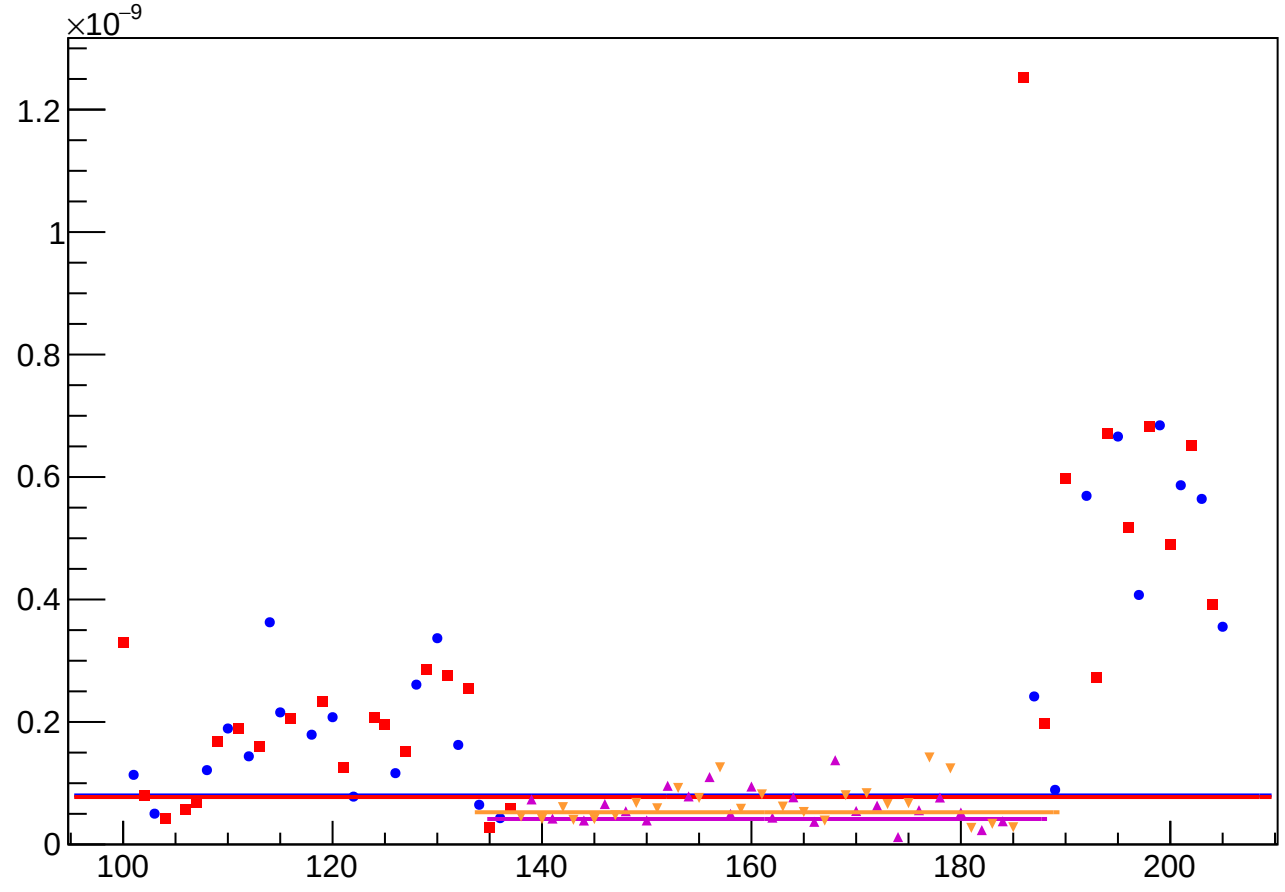
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/49

All: 0.000+/-0.000 χ^2/NDF: 101.3/101

- sign 0.000+/-0.000 χ^2/NDF: 47.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 5602394.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6872499.4/28

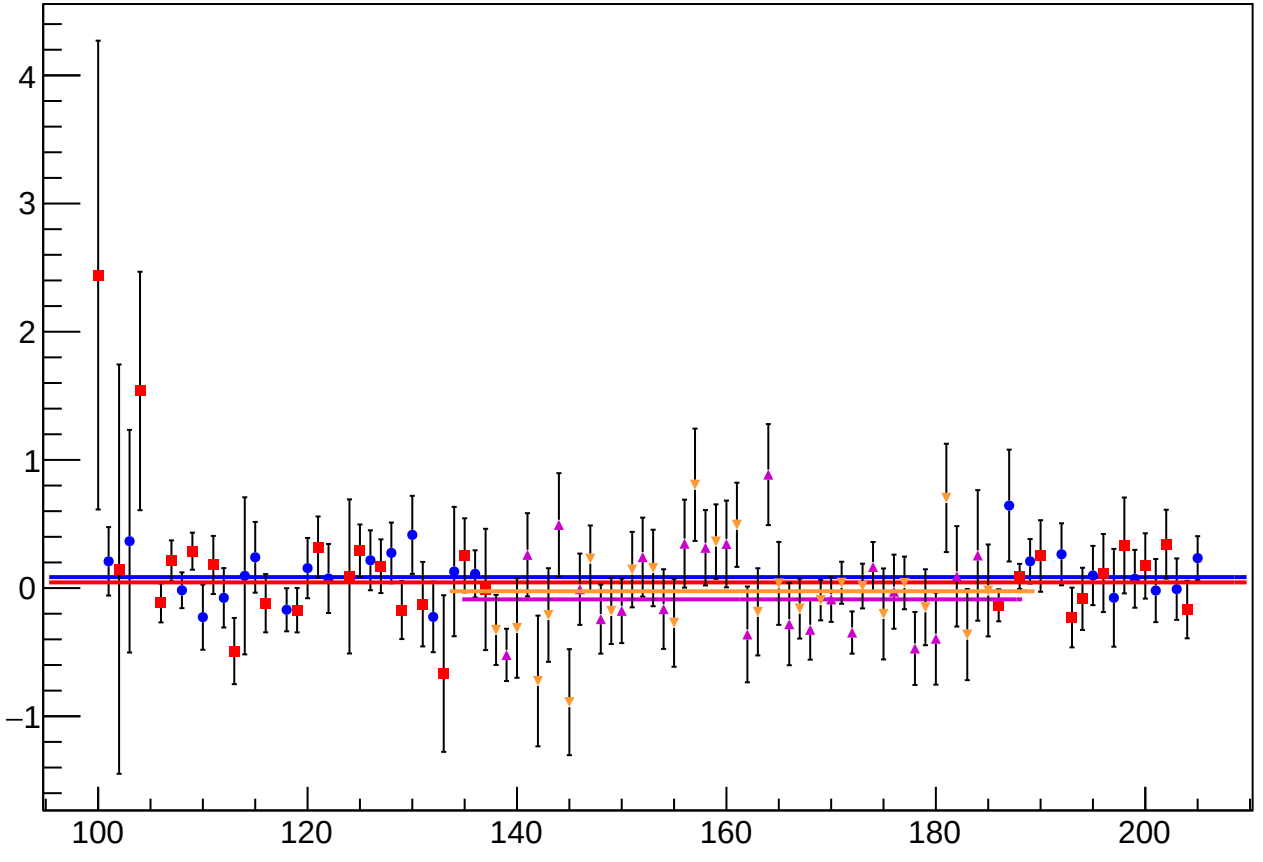
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7766617.1/49

All: 0.000+/-0.000 χ^2/NDF: 18843956.2/101

- sign 0.000+/-0.000 χ^2/NDF: 10758809.5/51

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.044+/-0.040 χ^2/NDF: 29.9/28

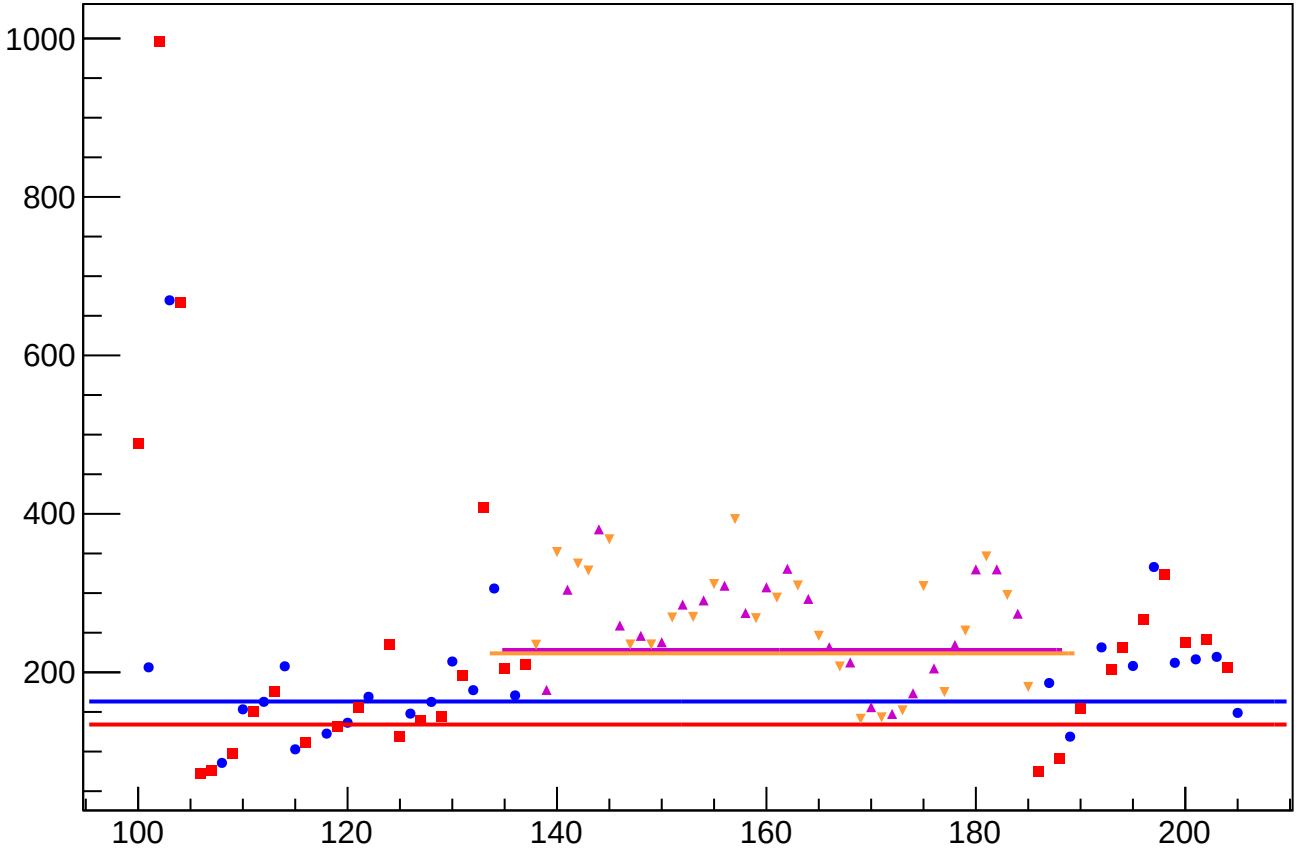
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.038+/-0.036 χ^2/NDF: 39.3/49

All: 0.017+/-0.024 χ^2/NDF: 103.5/101

- sign 0.000+/-0.033 χ^2/NDF: 63.5/51

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

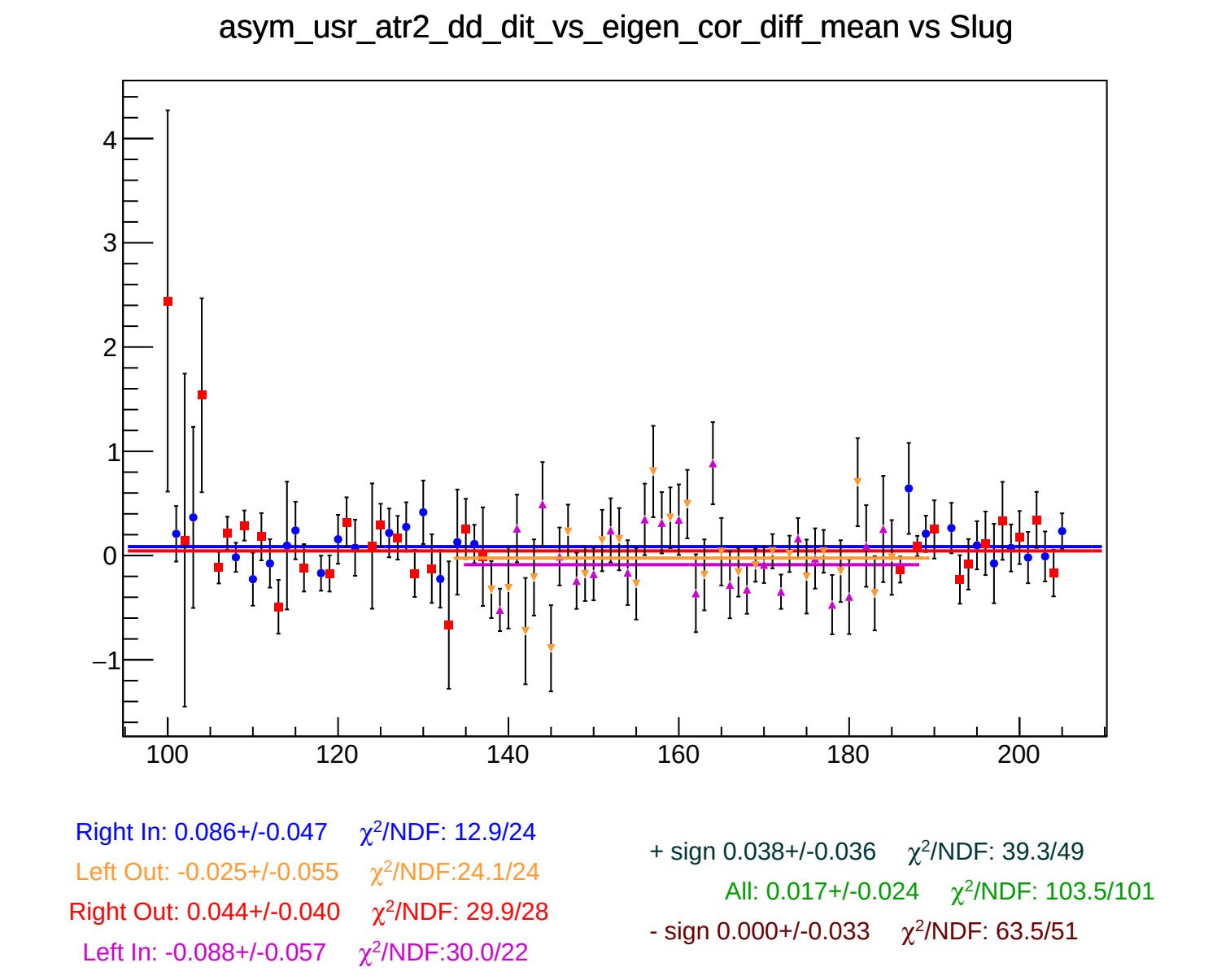
Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

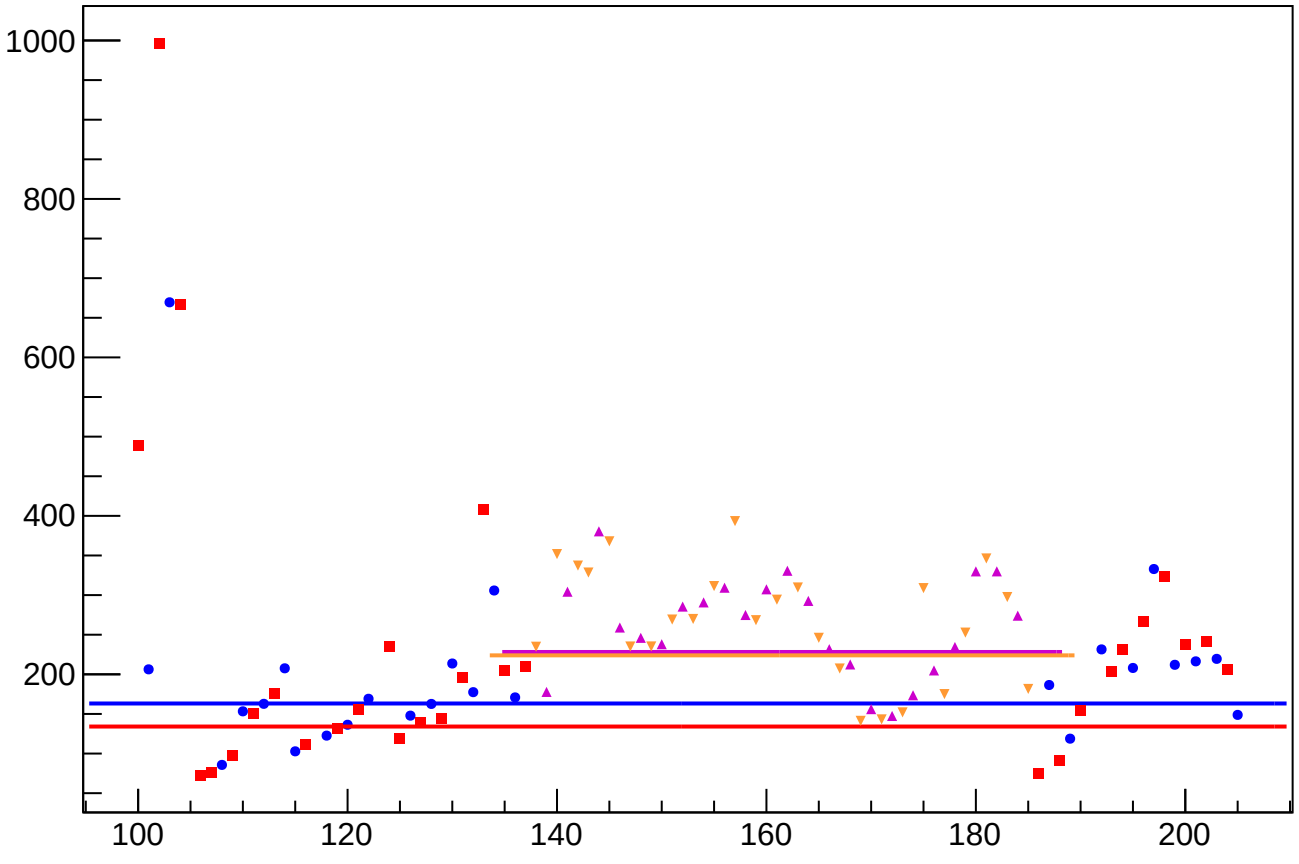
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.256+/-0.025 χ^2/NDF: 7765370.2/49

All: 176.409+/-0.017 χ^2/NDF: 20368136.3/10

- sign 165.611+/-0.023 χ^2/NDF: 12127757.5/51


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.086+/-0.047 χ²/NDF: 12.9/24
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.044+/-0.040 χ²/NDF: 29.9/28
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.038+/-0.036 χ²/NDF: 39.3/49
All: 0.017+/-0.024 χ²/NDF: 103.5/101
- sign 0.000+/-0.033 χ²/NDF: 63.5/51



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

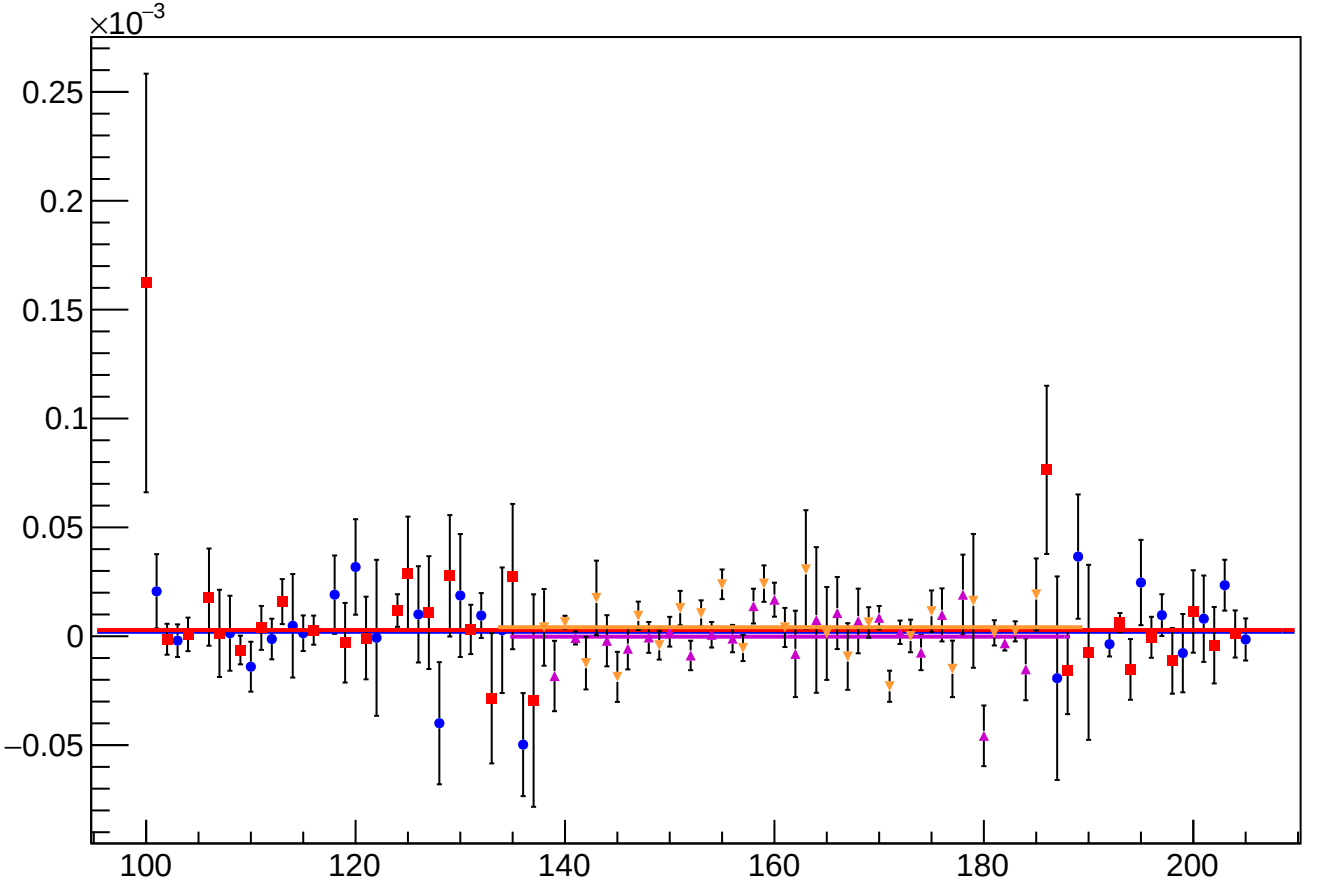
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.256+/-0.025 χ^2/NDF: 7765370.2/49

All: 176.409+/-0.017 χ^2/NDF: 20368136.3/10

- sign 165.611+/-0.023 χ^2/NDF: 12127757.5/51

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

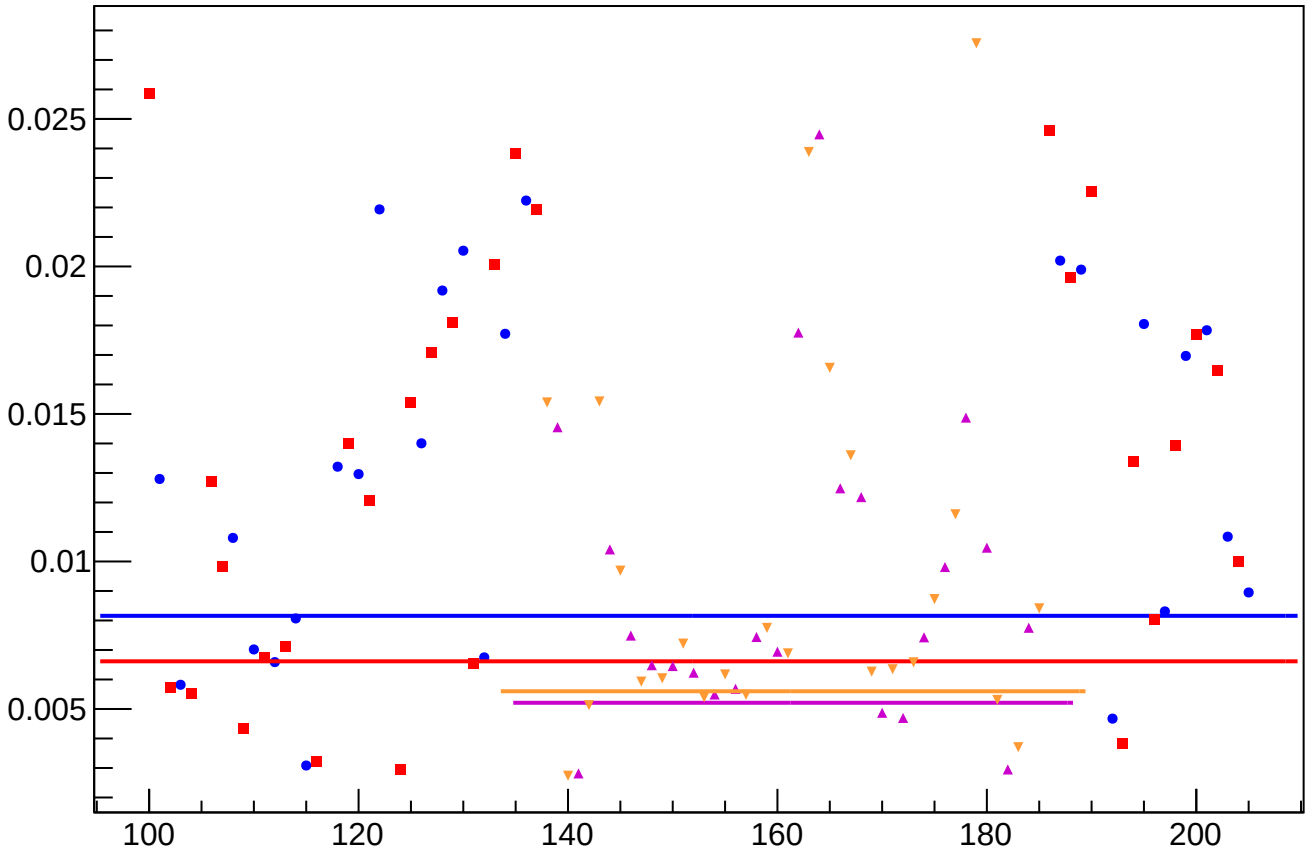
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/28

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.2/49

All: 0.000+/-0.000 χ^2/NDF: 127.3/101

- sign 0.000+/-0.000 χ^2/NDF: 52.5/51



Right In: 0.008+/-0.000 χ^2/NDF: 6400233.1/24

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

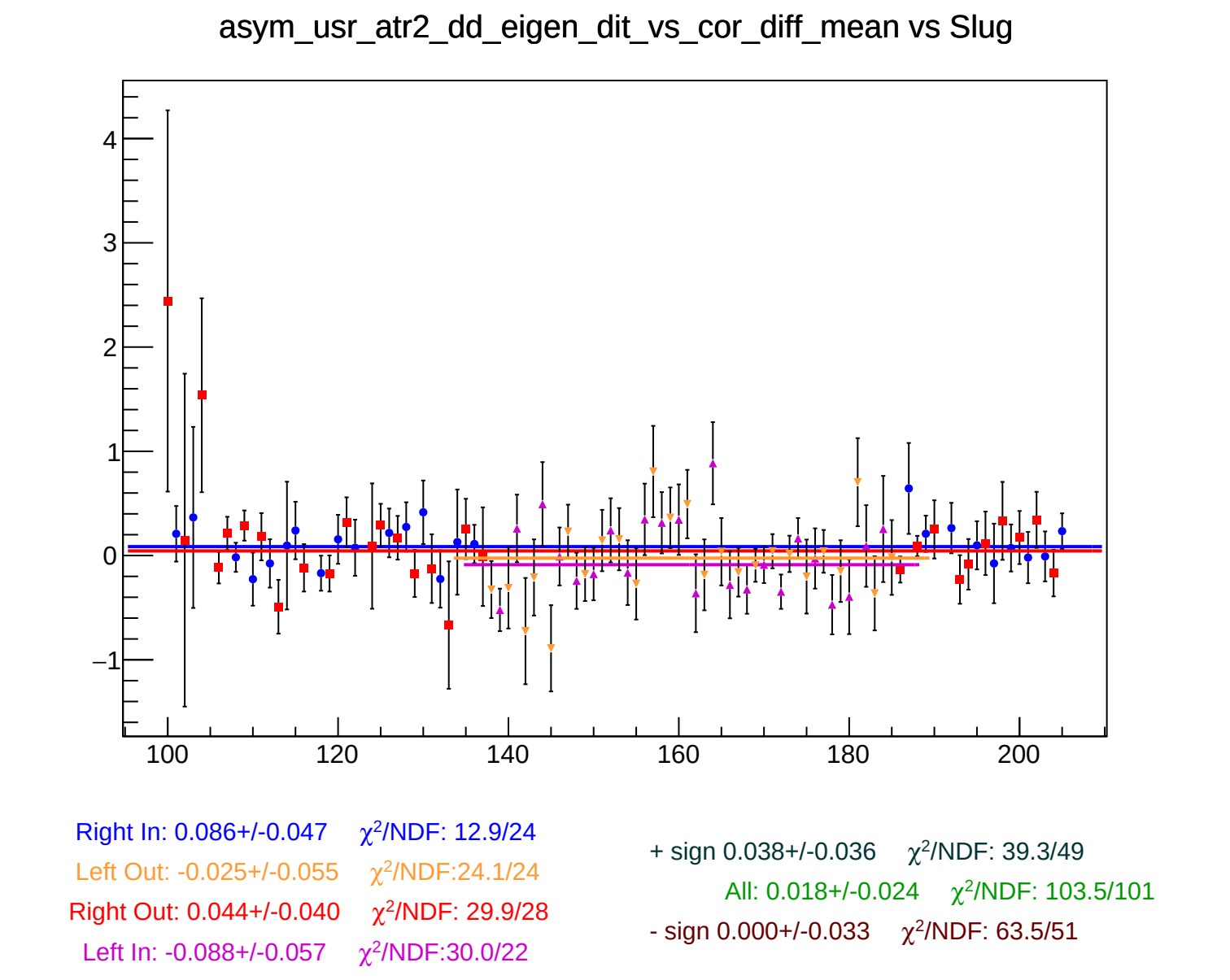
Right Out: 0.007+/-0.000 χ^2/NDF: 8997435.9/28

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

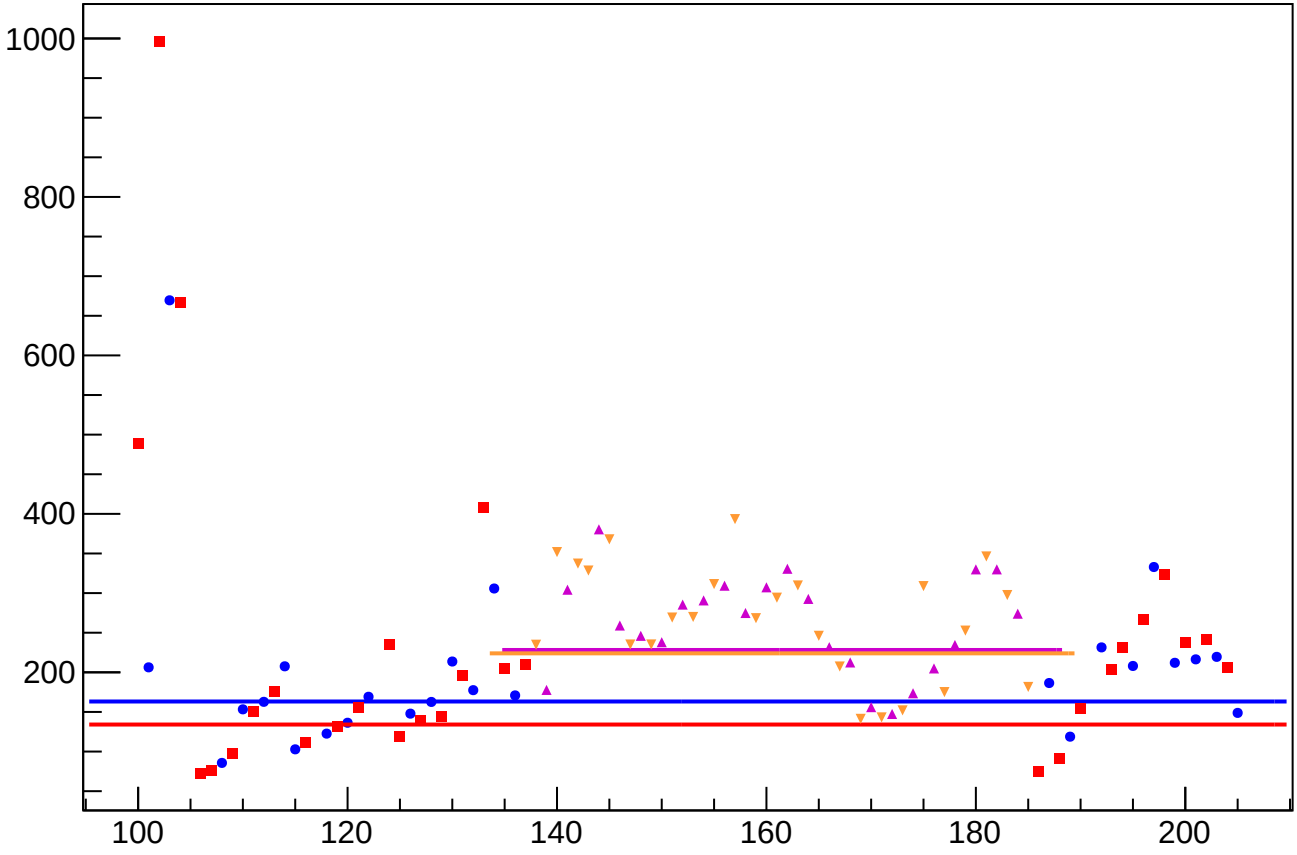
+ sign 0.006+/-0.000 χ^2/NDF: 15676524.5/49

All: 0.006+/-0.000 χ^2/NDF: 32975844.1/101

- sign 0.006+/-0.000 χ^2/NDF: 17083949.0/51


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.086+/-0.047 χ²/NDF: 12.9/24
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.044+/-0.040 χ²/NDF: 29.9/28
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.038+/-0.036 χ²/NDF: 39.3/49
All: 0.018+/-0.024 χ²/NDF: 103.5/101
- sign 0.000+/-0.033 χ²/NDF: 63.5/51

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

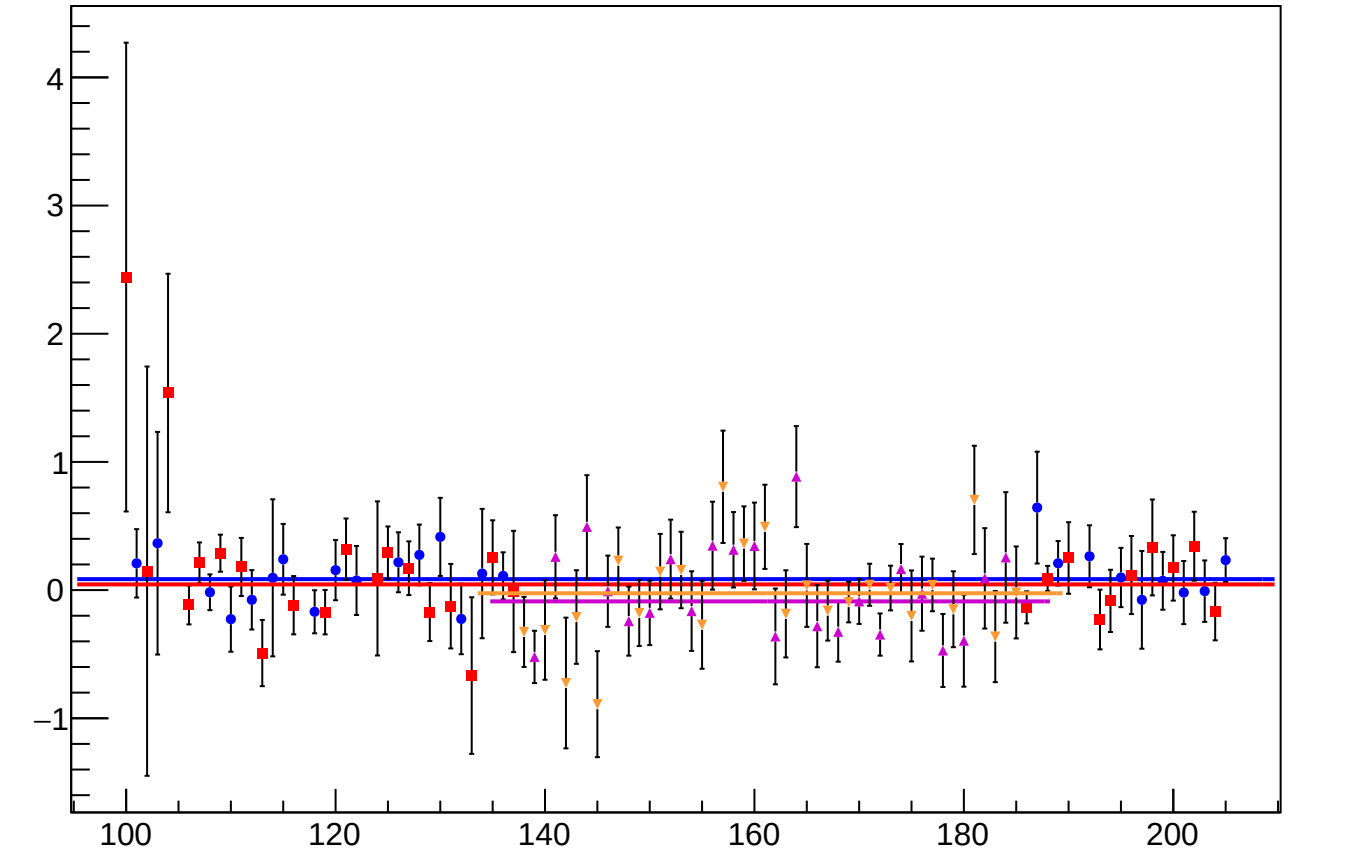
Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.254+/-0.025 χ^2/NDF: 7765879.0/49

All: 176.411+/-0.017 χ^2/NDF: 20367574.5/10

- sign 165.616+/-0.023 χ^2/NDF: 12126950.3/51



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

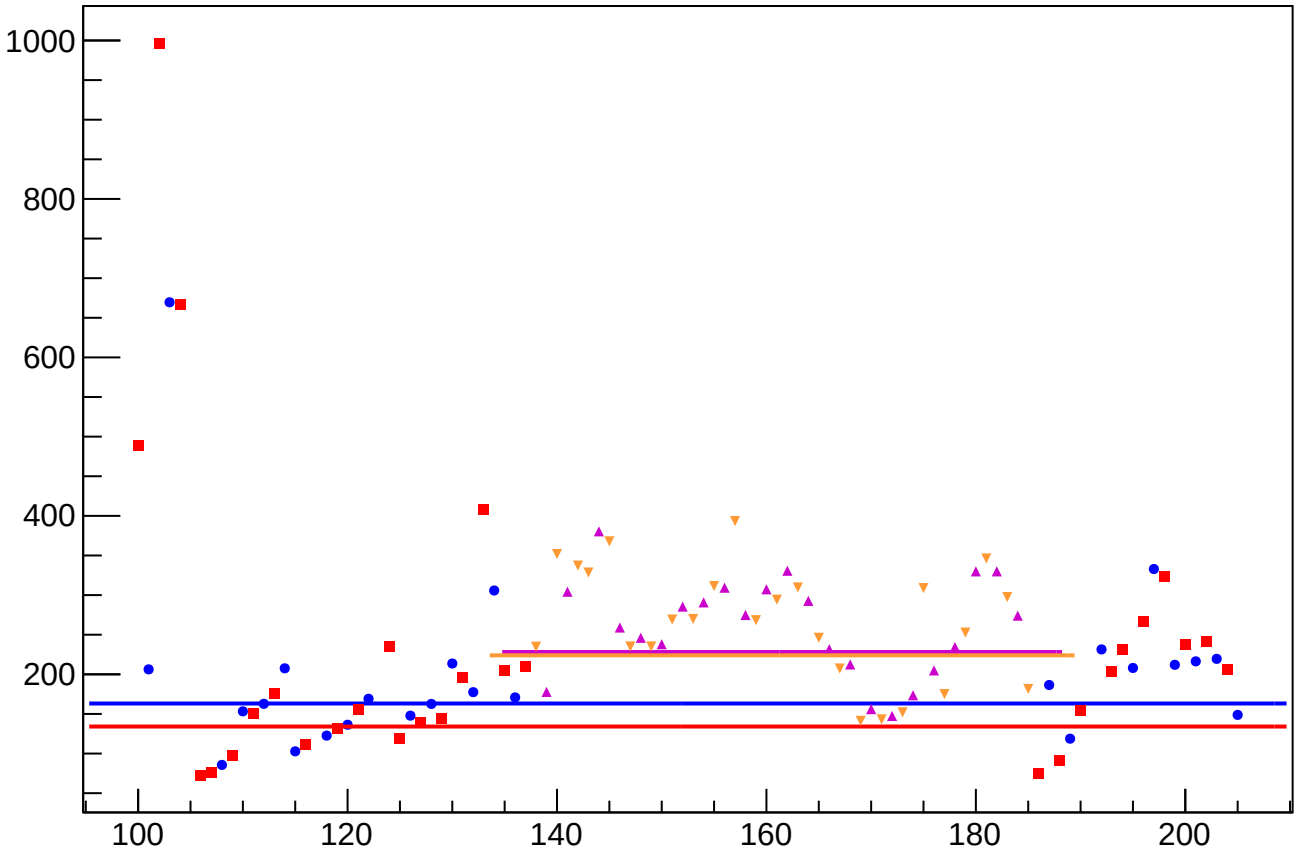
Right Out: 0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.038+/-0.036 χ^2/NDF: 39.3/49

All: 0.018+/-0.024 χ^2/NDF: 103.5/101

- sign 0.000+/-0.033 χ^2/NDF: 63.5/51



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

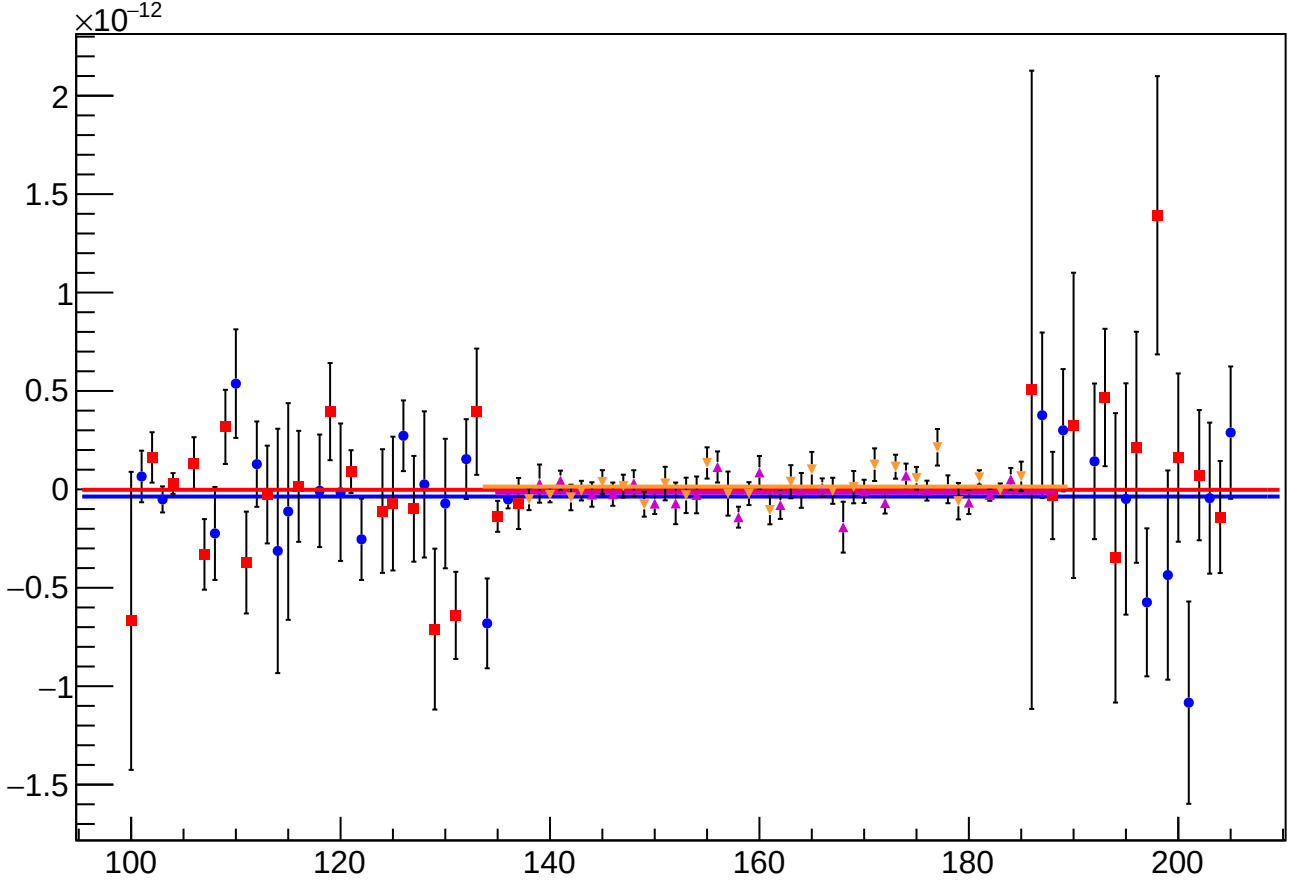
Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.254+/-0.025 χ^2/NDF: 7765879.0/49

All: 176.411+/-0.017 χ^2/NDF: 20367574.5/10

- sign 165.616+/-0.023 χ^2/NDF: 12126950.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

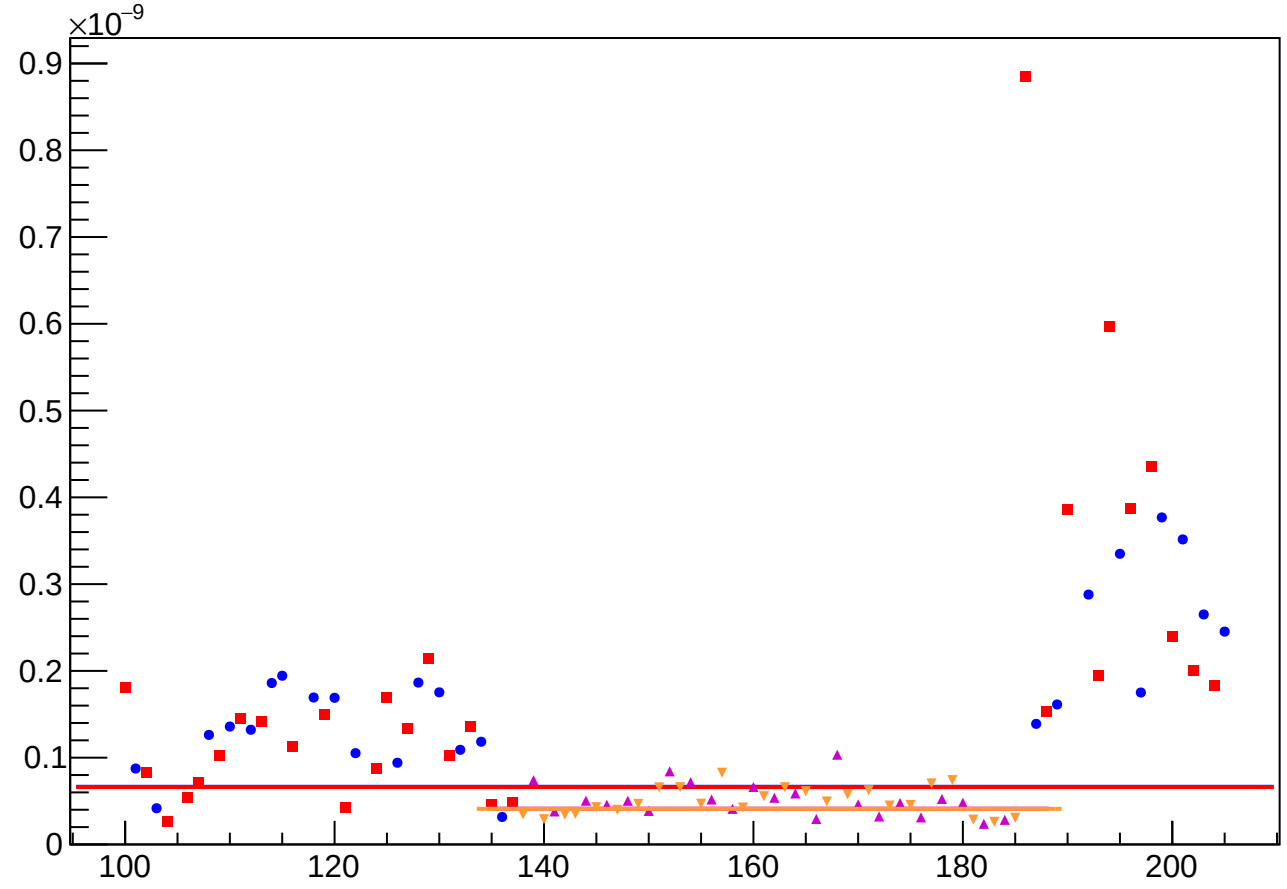
Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/28

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/49

All: -0.000+/-0.000 χ^2/NDF: 119.6/101

- sign -0.000+/-0.000 χ^2/NDF: 60.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 7156406.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7554070.8/28

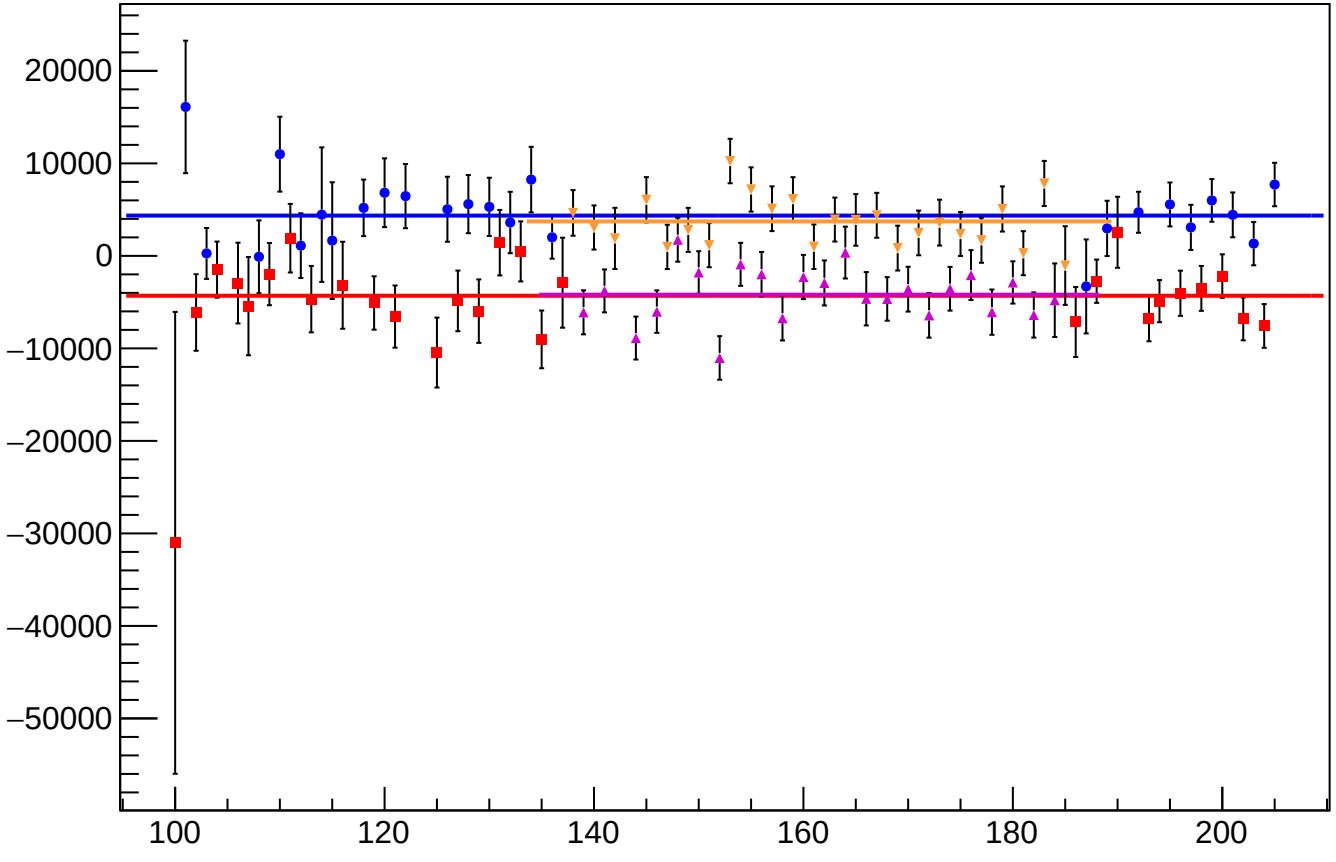
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10947235.9/49

All: 0.000+/-0.000 χ^2/NDF: 22467977.7/101

- sign 0.000+/-0.000 χ^2/NDF: 11520108.6/51

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4355.414+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4308.658+/-589.572 χ^2/NDF: 25.6/27

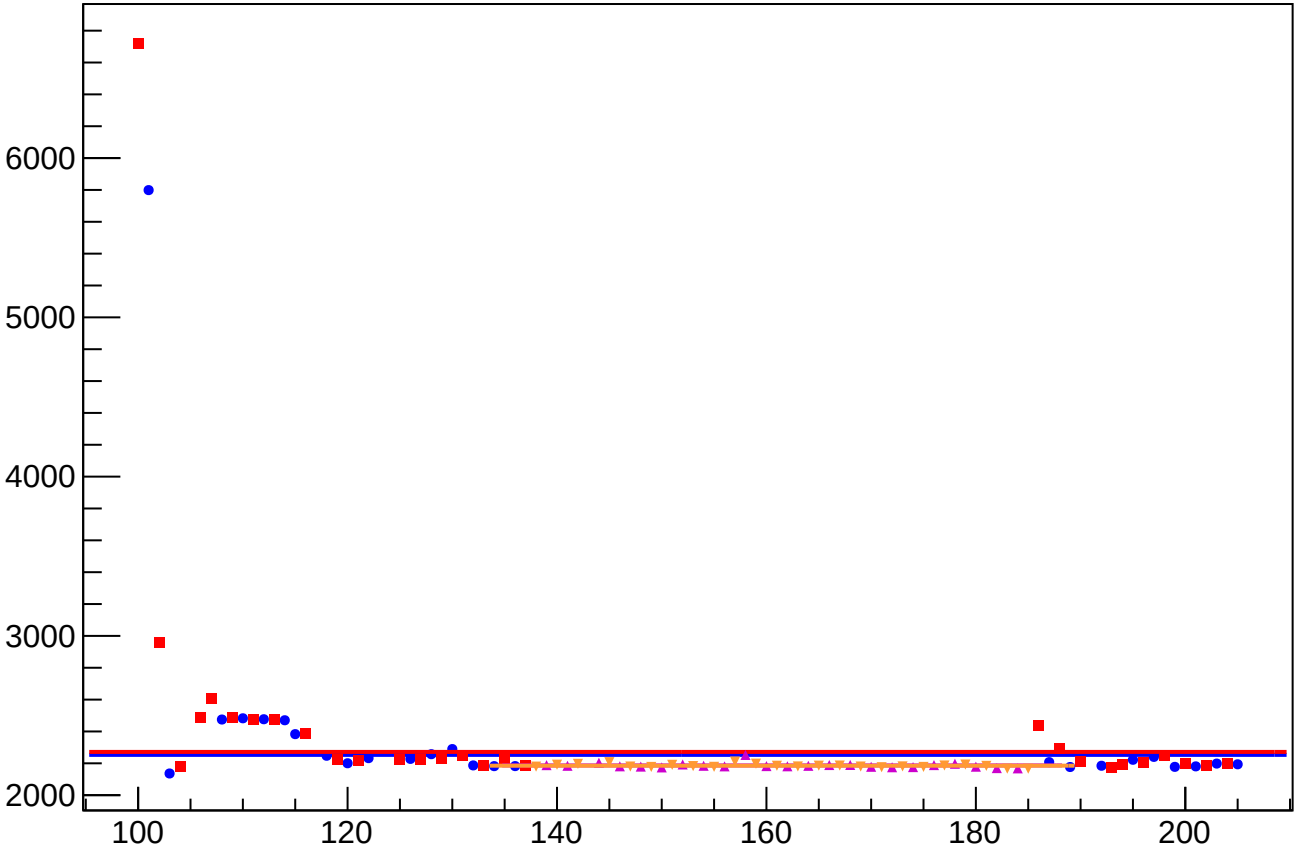
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3984.017+/-388.800 χ^2/NDF: 46.7/48

All: -160.248+/-273.915 χ^2/NDF: 330.0/99

- sign -4244.248+/-385.963 χ^2/NDF: 57.7/50

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.4/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

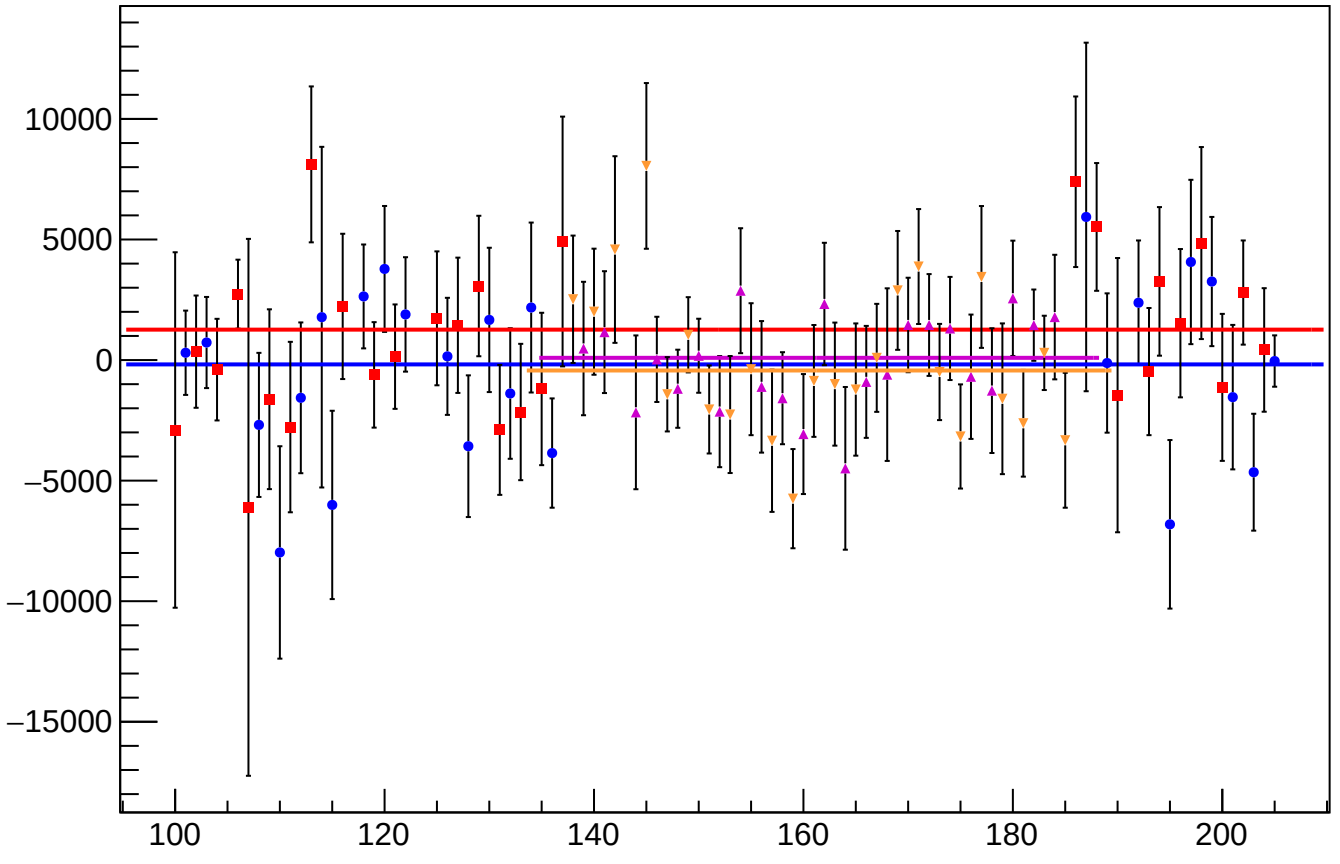
Right Out: 2271.598+/-0.417 χ^2/NDF: 178311.6/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.111+/-0.275 χ^2/NDF: 547488.4/48

All: 2218.147+/-0.194 χ^2/NDF: 752203.1/99

- sign 2223.110+/-0.273 χ^2/NDF: 204048.4/50



Right In: -180.019+/-495.867 χ^2/NDF: 28.6/24

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

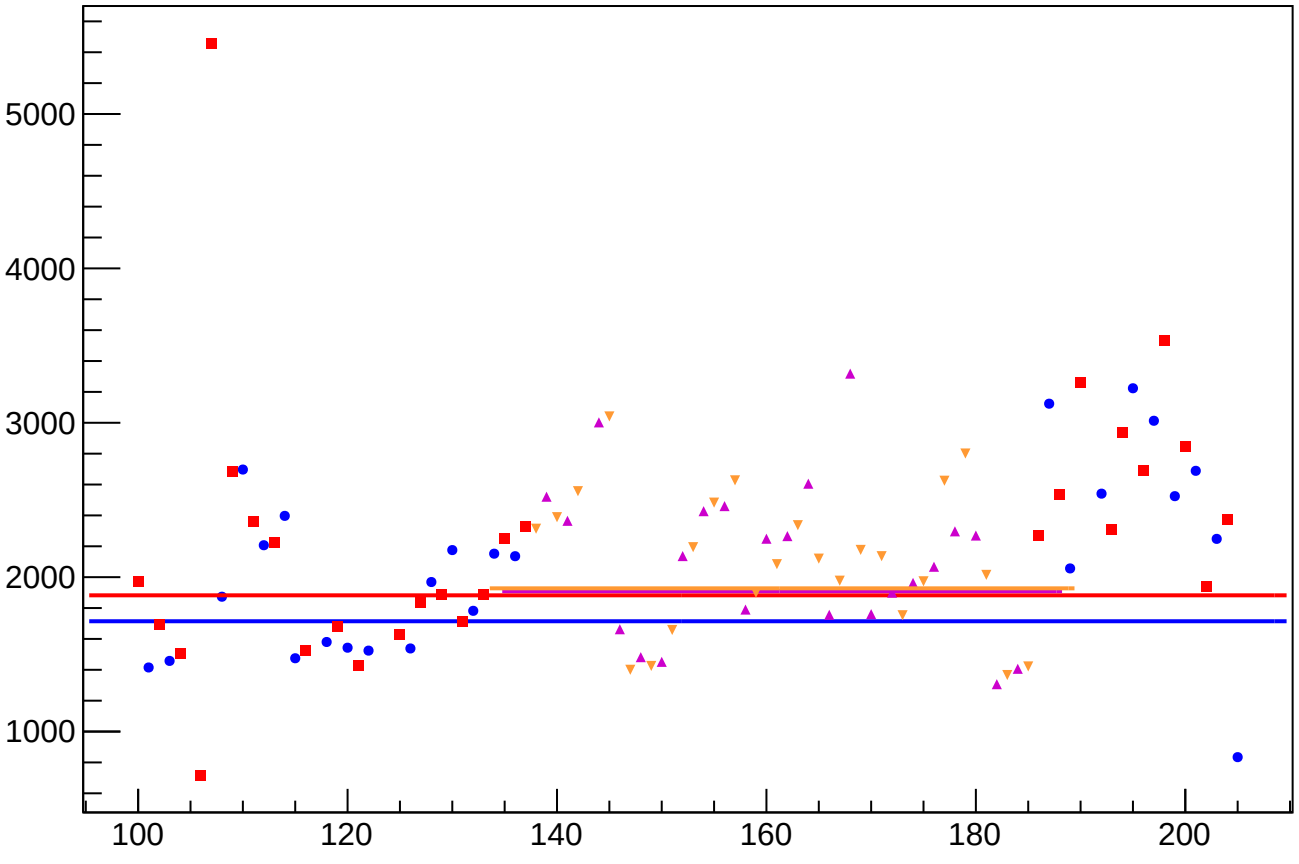
Right Out: 1261.721+/-525.124 χ^2/NDF: 24.2/27

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -314.957+/-338.173 χ^2/NDF: 60.0/48

All: 132.181+/-241.947 χ^2/NDF: 103.3/99

- sign 601.072+/-346.301 χ^2/NDF: 39.8/50



Right In: 1714.463+/-0.351 χ^2/NDF: 3310151.0/24

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1882.406+/-0.371 χ^2/NDF: 3276856.6/27

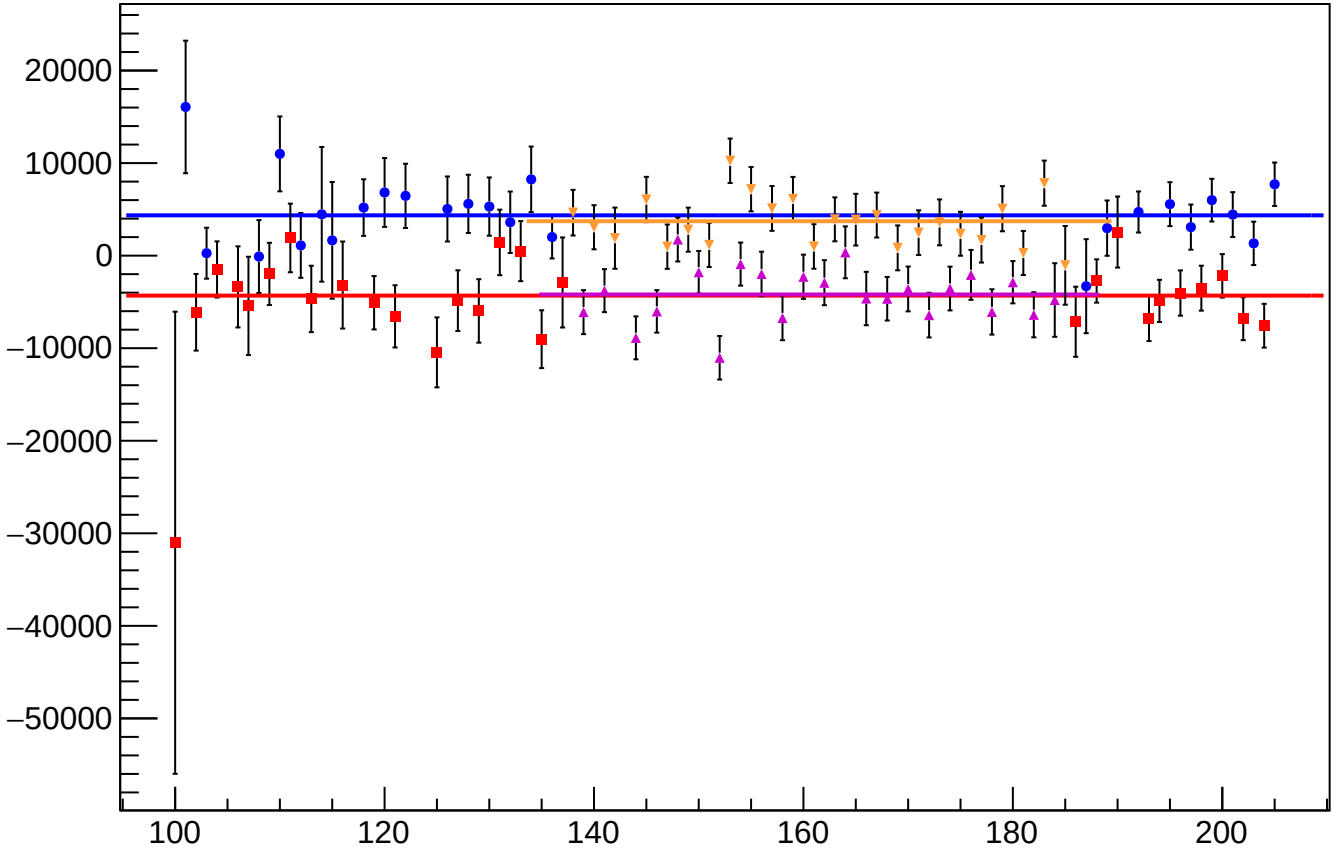
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1828.502+/-0.239 χ^2/NDF: 5306293.7/48

All: 1862.319+/-0.171 χ^2/NDF: 10569420.0/9

- sign 1897.780+/-0.245 χ^2/NDF: 5222155.2/50

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4316.981+/-589.619 χ^2/NDF: 25.5/27

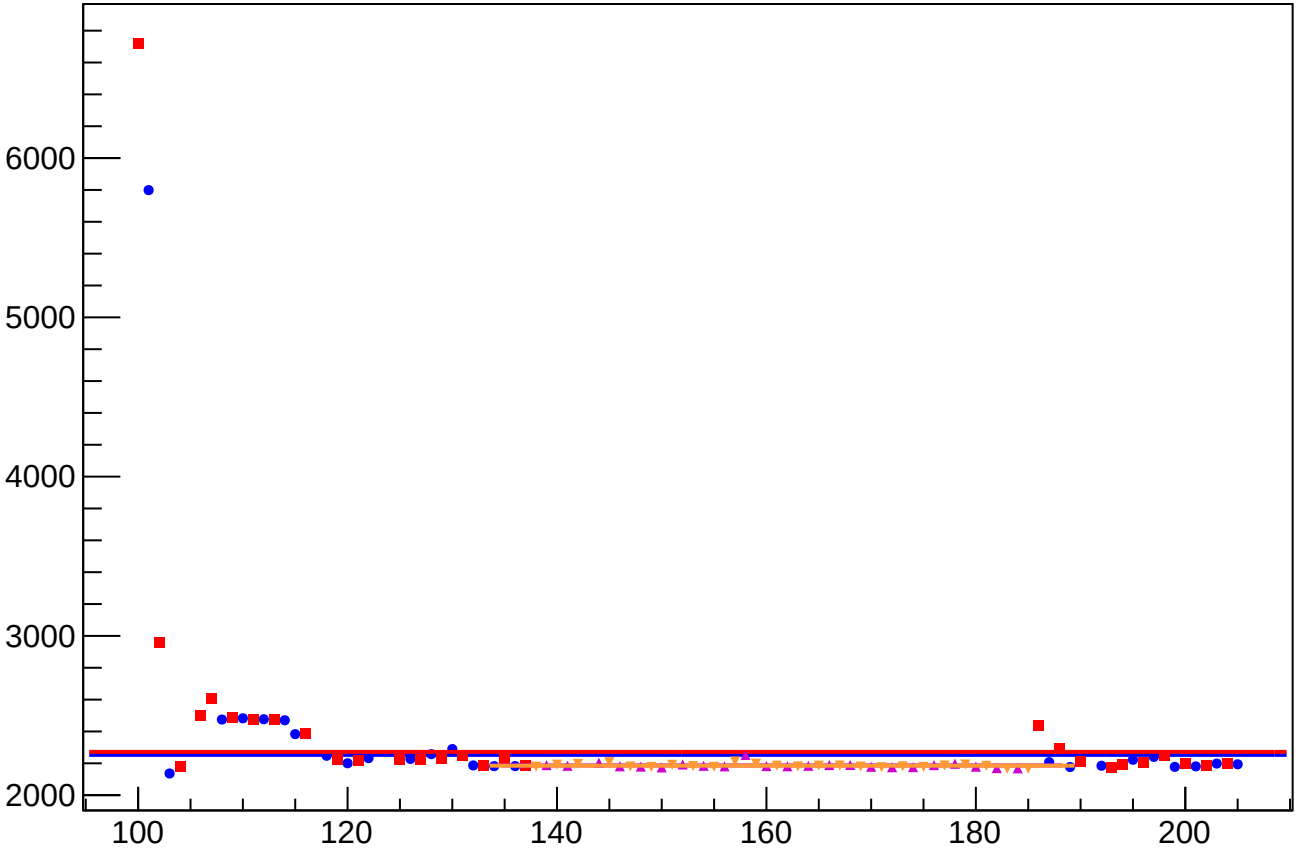
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3983.888+/-388.800 χ^2/NDF: 46.7/48

All: -162.000+/-273.919 χ^2/NDF: 330.1/99

- sign -4247.878+/-385.976 χ^2/NDF: 57.6/50

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

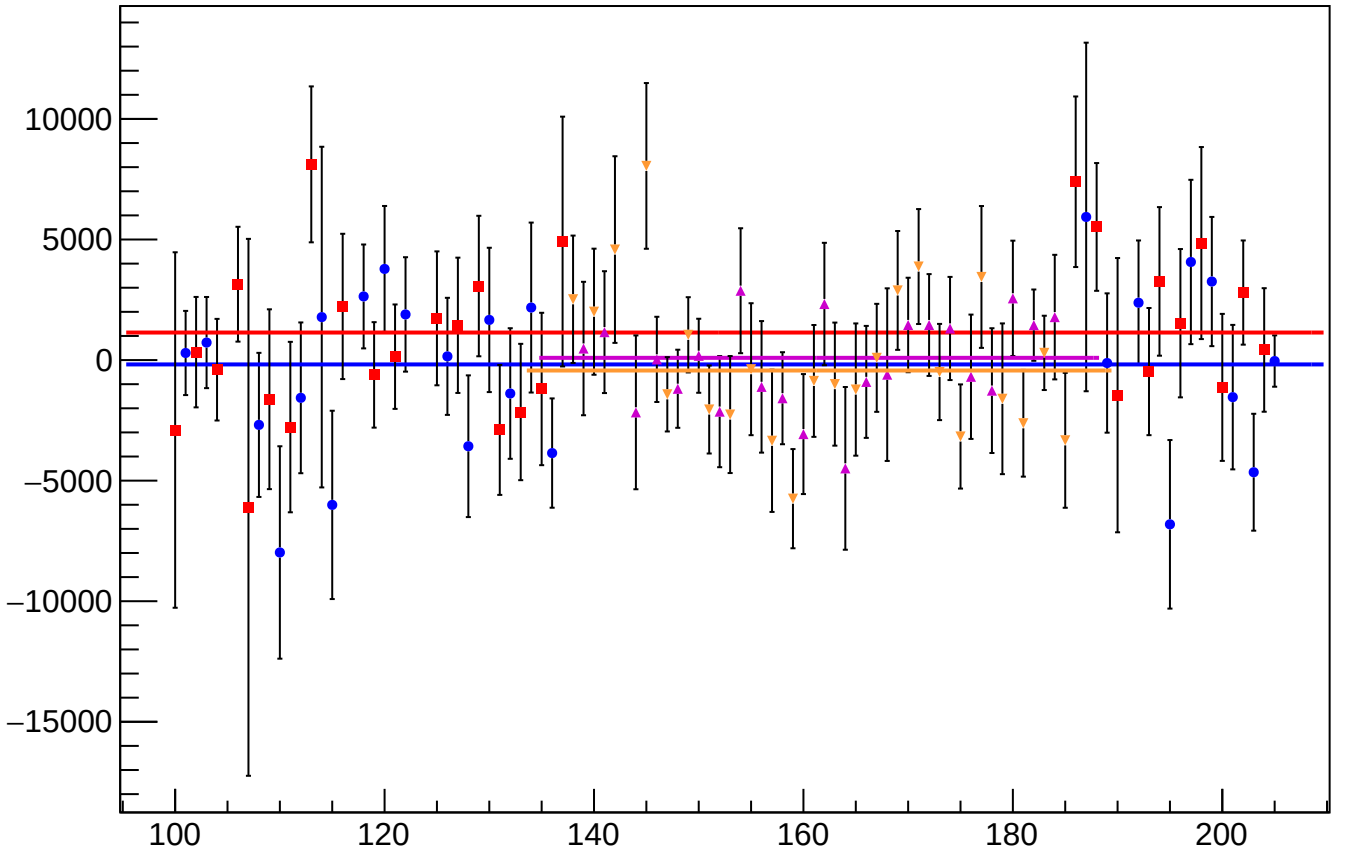
Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.111+/-0.275 χ^2/NDF: 547488.8/48

All: 2218.180+/-0.194 χ^2/NDF: 752756.5/99

- sign 2223.175+/-0.273 χ^2/NDF: 204592.8/50



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

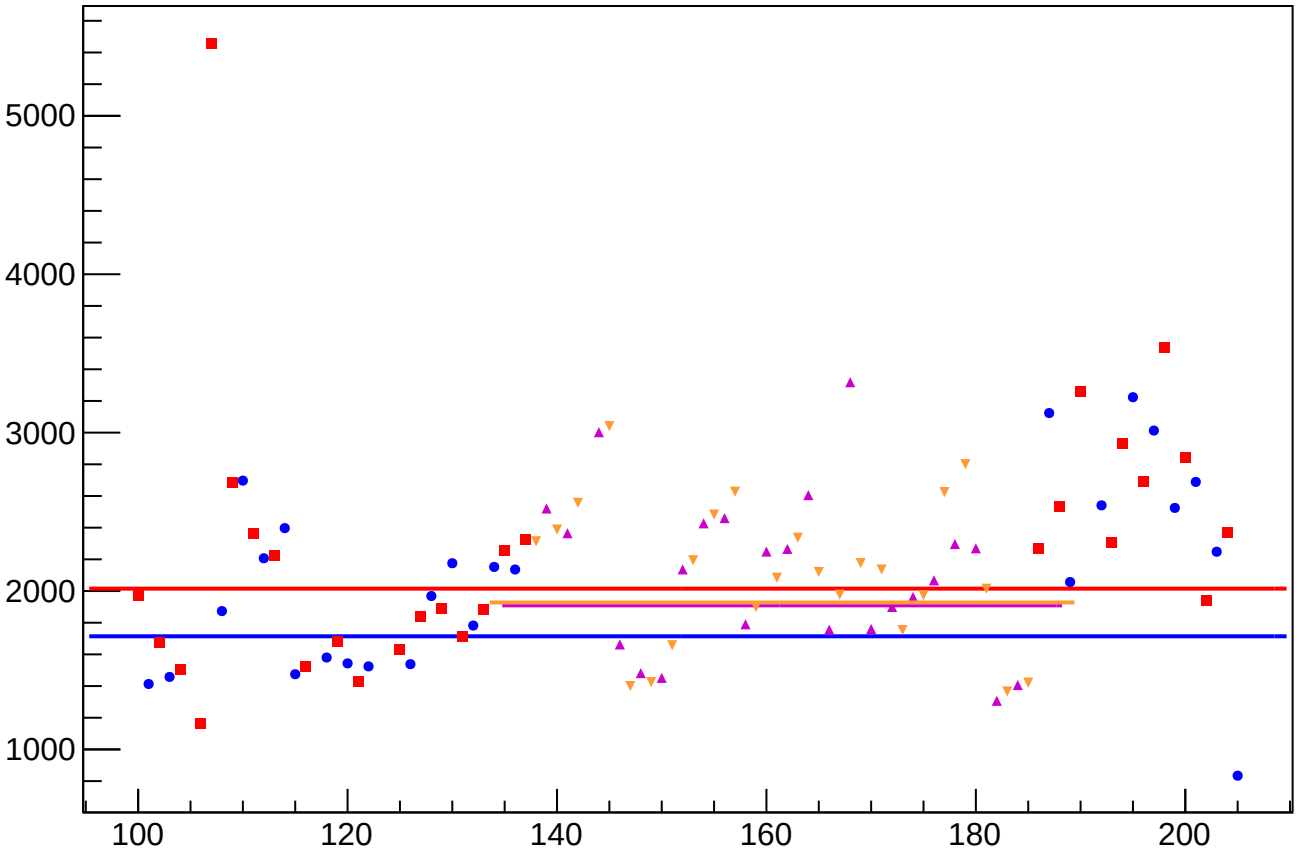
Right Out: 1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -315.172+/-338.155 χ^2/NDF: 60.0/48

All: 87.653+/-244.142 χ^2/NDF: 101.6/99

- sign 526.256+/-352.853 χ^2/NDF: 38.6/50



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

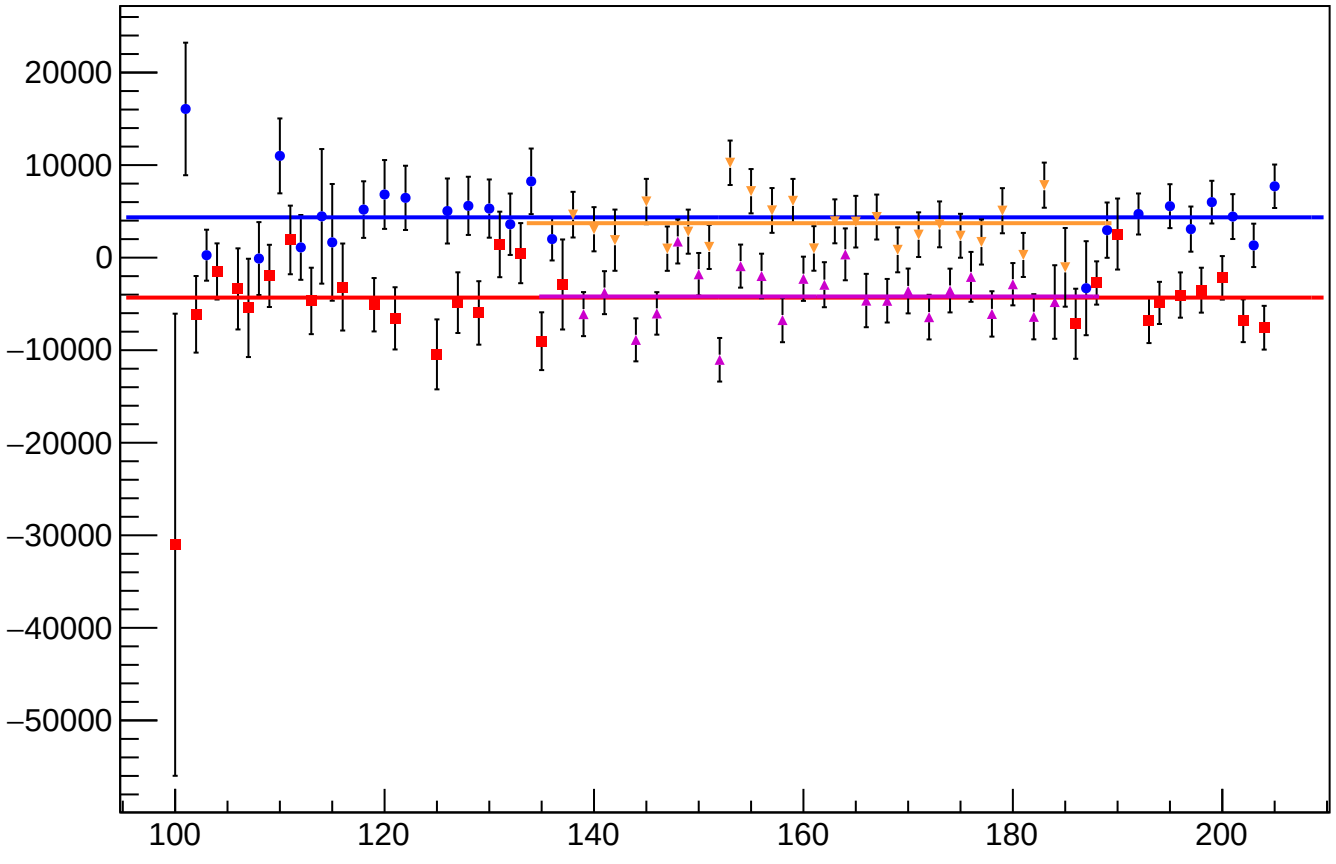
Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1828.389+/-0.239 χ^2/NDF: 5307672.9/48

All: 1888.141+/-0.173 χ^2/NDF: 9433595.3/99

- sign 1953.200+/-0.250 χ^2/NDF: 3995485.3/50



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4316.981+/-589.619 χ^2/NDF: 25.5/27

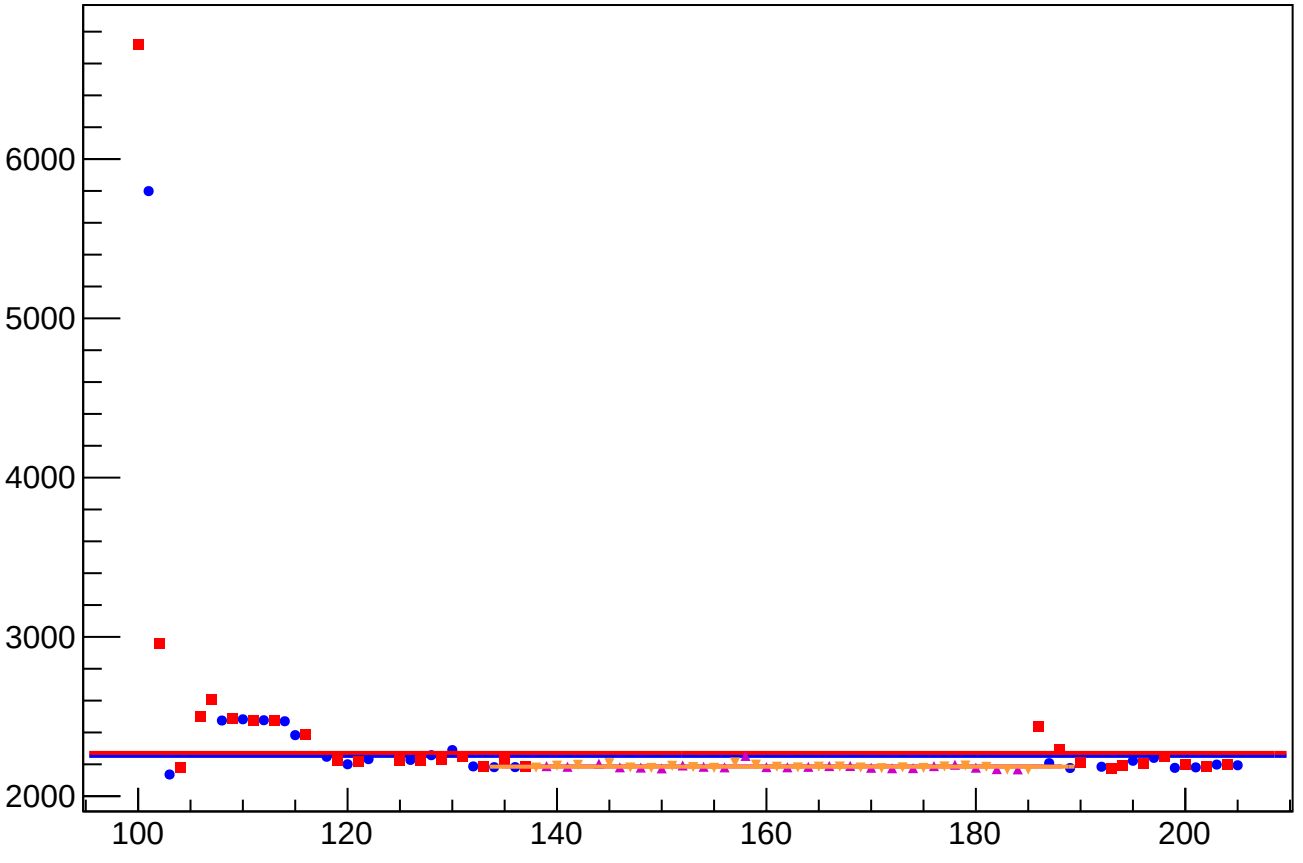
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3983.888+/-388.800 χ^2/NDF: 46.7/48

All: -162.000+/-273.919 χ^2/NDF: 330.1/99

- sign -4247.878+/-385.976 χ^2/NDF: 57.6/50

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

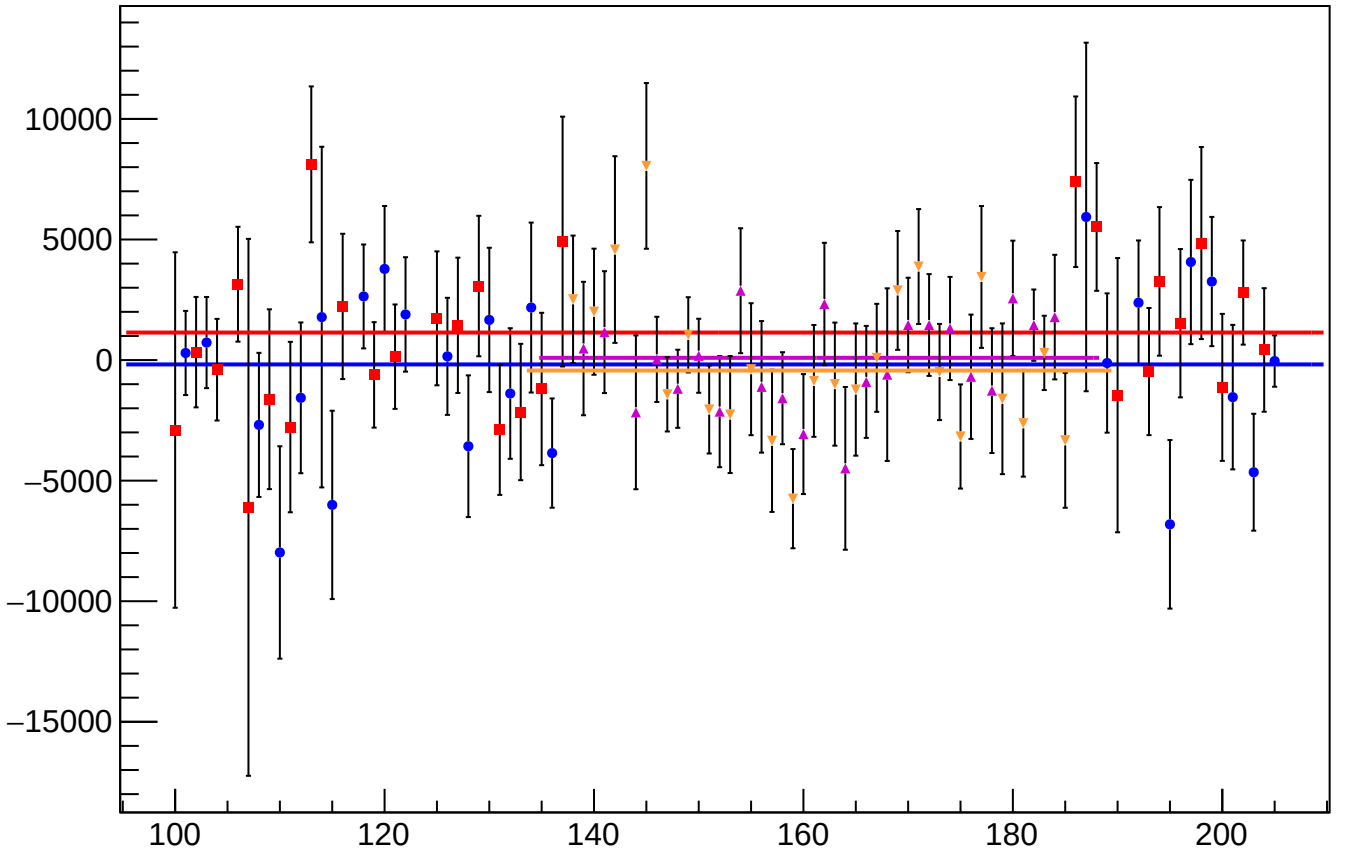
Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.111+/-0.275 χ^2/NDF: 547488.8/48

All: 2218.180+/-0.194 χ^2/NDF: 752756.5/99

- sign 2223.175+/-0.273 χ^2/NDF: 204592.8/50



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

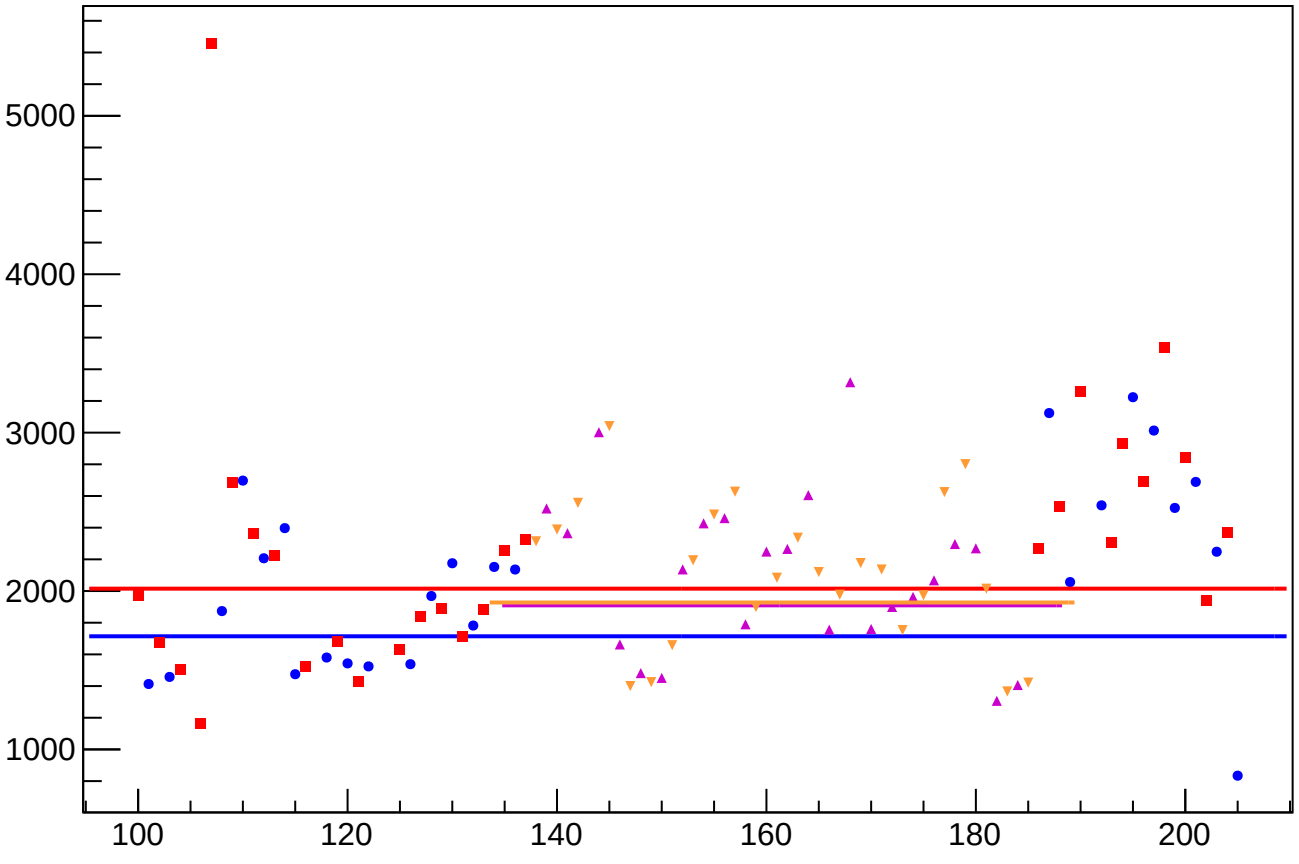
Right Out: 1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -315.172+/-338.155 χ^2/NDF: 60.0/48

All: 87.653+/-244.142 χ^2/NDF: 101.6/99

- sign 526.256+/-352.853 χ^2/NDF: 38.6/50



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

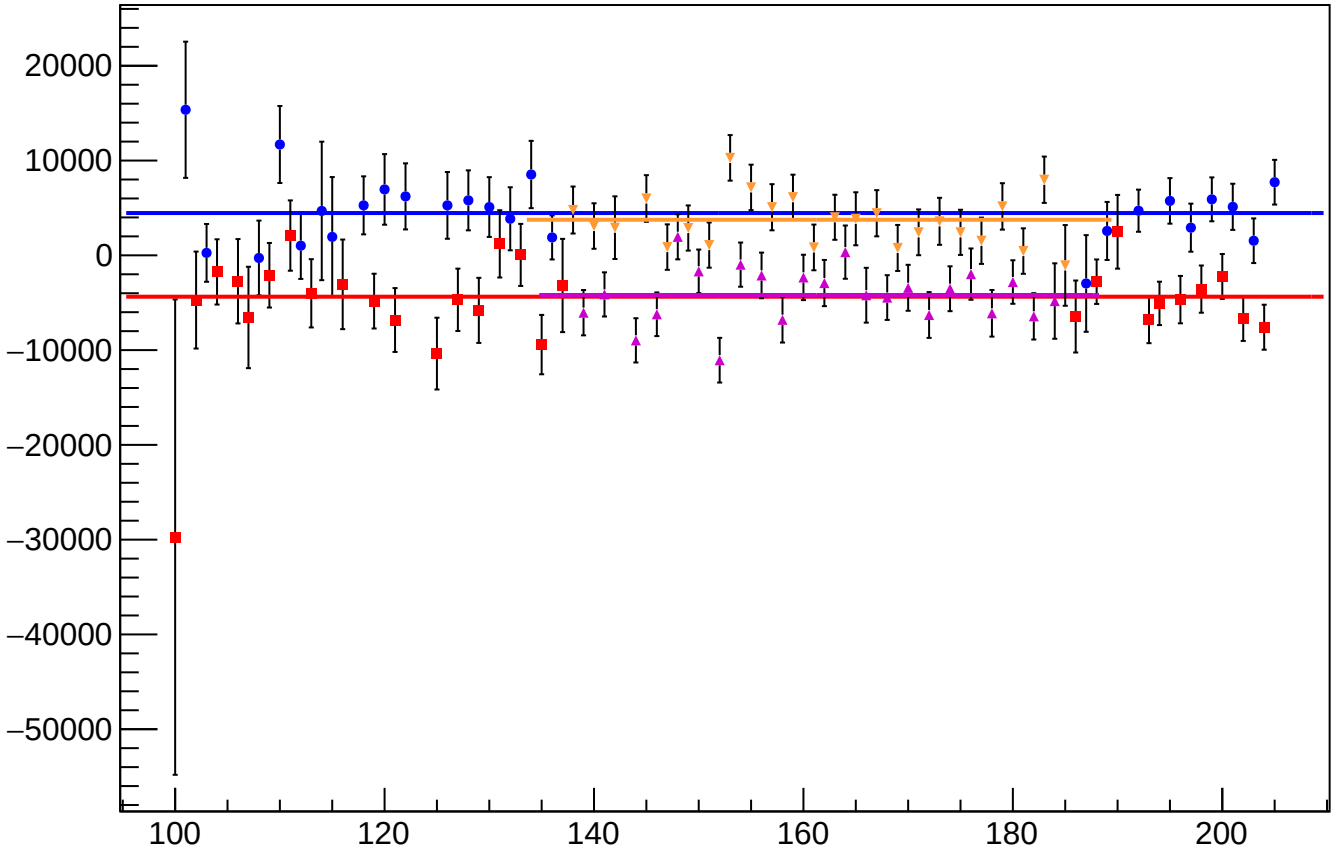
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1828.389+/-0.239 χ^2/NDF: 5307672.9/48

All: 1888.141+/-0.173 χ^2/NDF: 9433595.3/99

- sign 1953.200+/-0.250 χ^2/NDF: 3995485.3/50

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4462.653+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4365.116+/-598.634 χ^2/NDF: 24.3/27

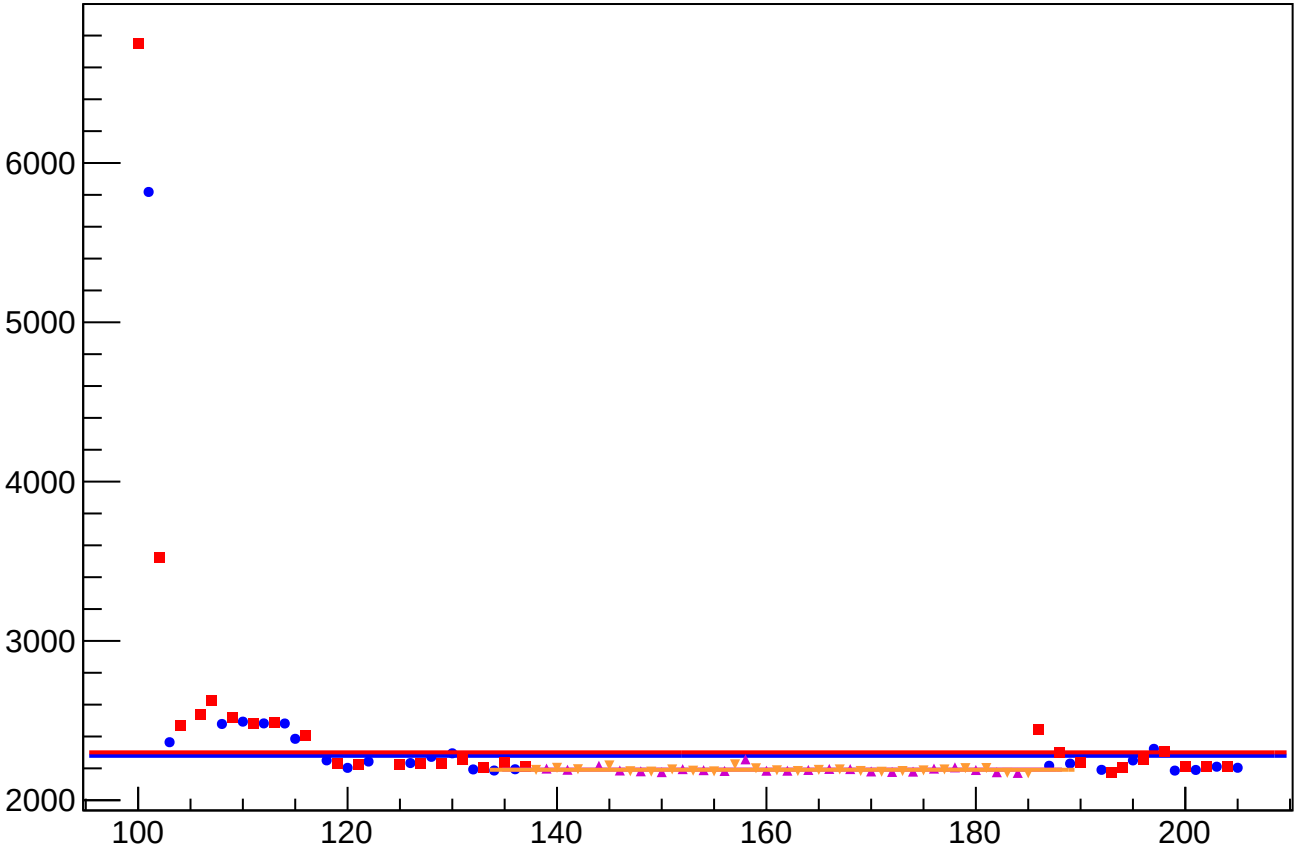
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4043.206+/-391.283 χ^2/NDF: 47.1/48

All: -132.608+/-275.882 χ^2/NDF: 330.6/99

- sign -4260.615+/-389.037 χ^2/NDF: 57.0/50

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.8/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

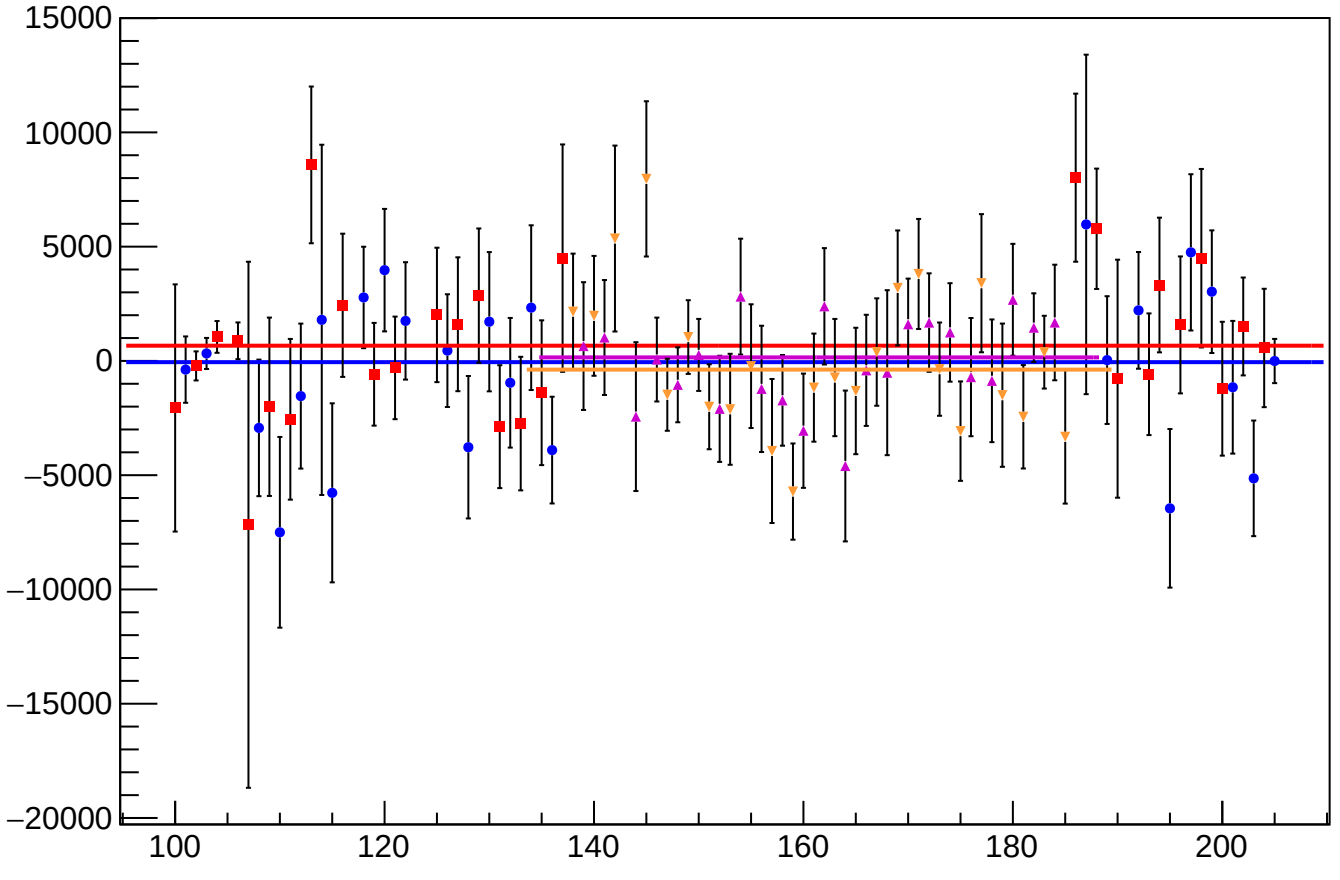
Right Out: 2300.546+/-0.423 χ^2/NDF: 243113.6/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2226.892+/-0.277 χ^2/NDF: 553208.8/48

All: 2232.458+/-0.195 χ^2/NDF: 837253.2/99

- sign 2237.959+/-0.275 χ^2/NDF: 283239.9/50



Right In: -54.063+/-401.739 χ^2/NDF: 28.6/24

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: 666.316+/-337.503 χ^2/NDF: 26.0/27

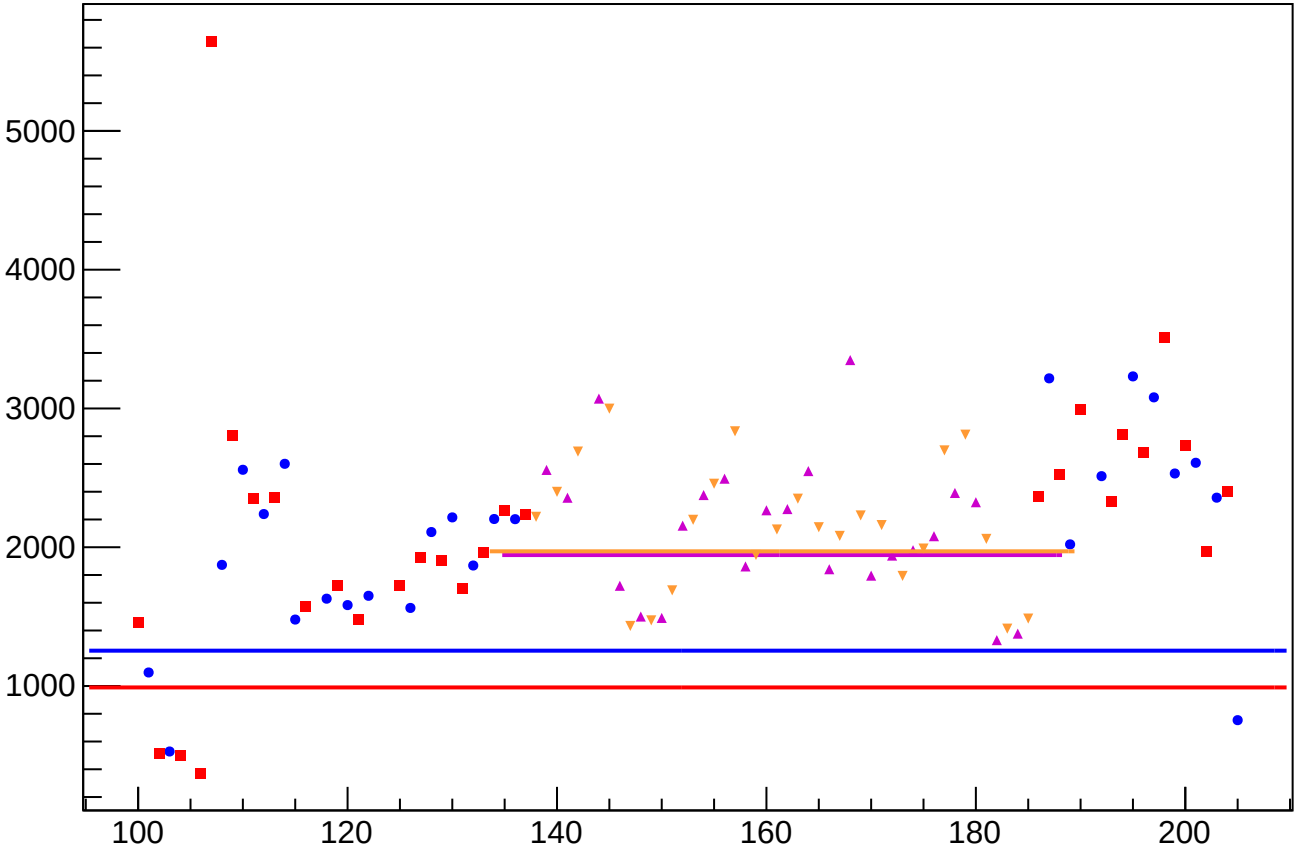
Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -191.370+/-305.787 χ^2/NDF: 59.7/48

All: 187.544+/-203.957 χ^2/NDF: 102.0/99

- sign 491.209+/-273.745 χ^2/NDF: 39.6/50

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug



Right In: 1254.656+/-0.284 χ^2/NDF: 7726290.8/24

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

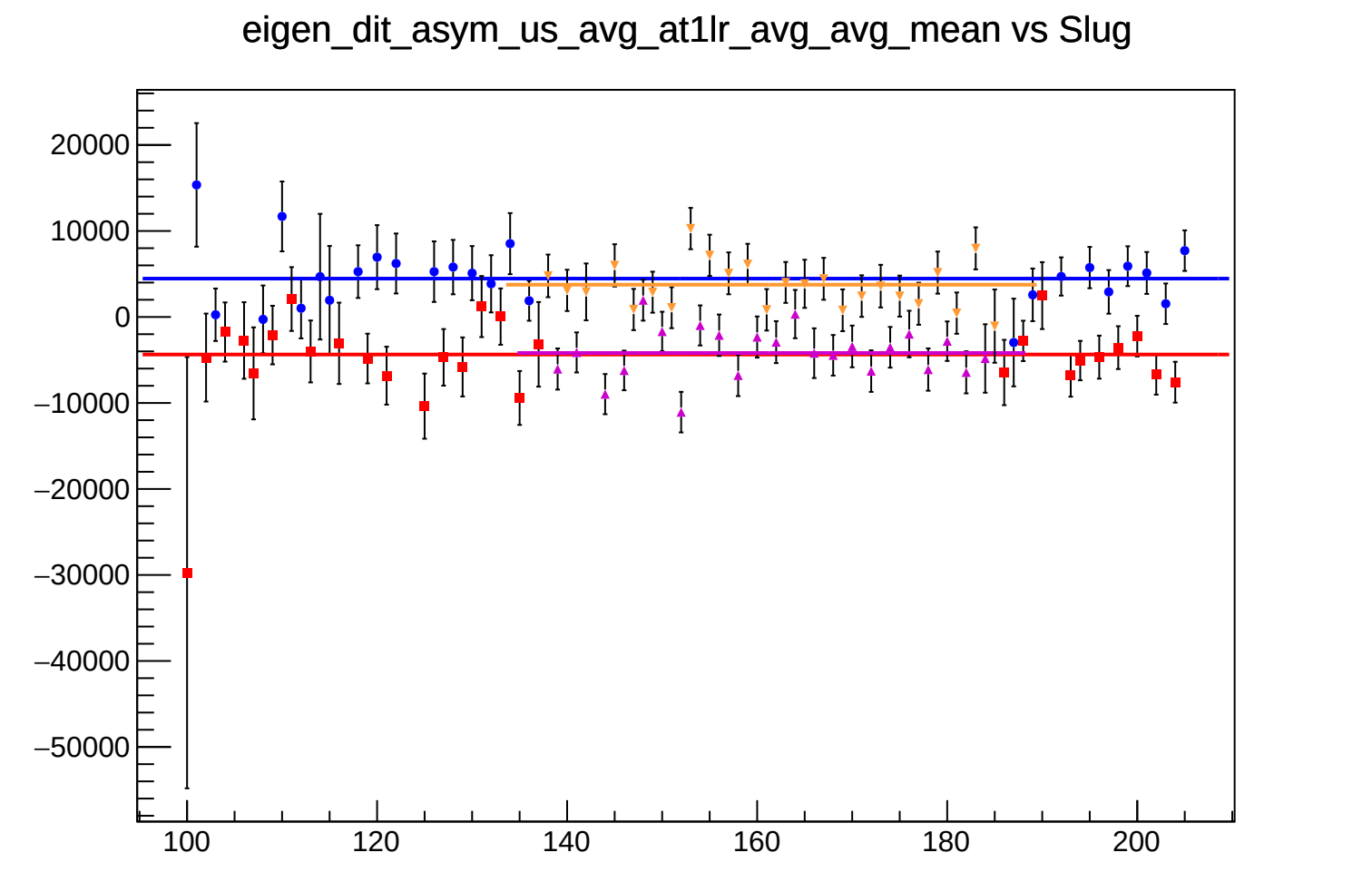
Right Out: 989.762+/-0.239 χ^2/NDF: 12139870.2/27

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1555.833+/-0.216 χ^2/NDF: 12095196.9/48

All: 1422.761+/-0.144 χ^2/NDF: 32266052.0/9

- sign 1316.115+/-0.194 χ^2/NDF: 19488547.0/50



Right In: 4462.651+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4365.111+/-598.634 χ^2/NDF: 24.3/27

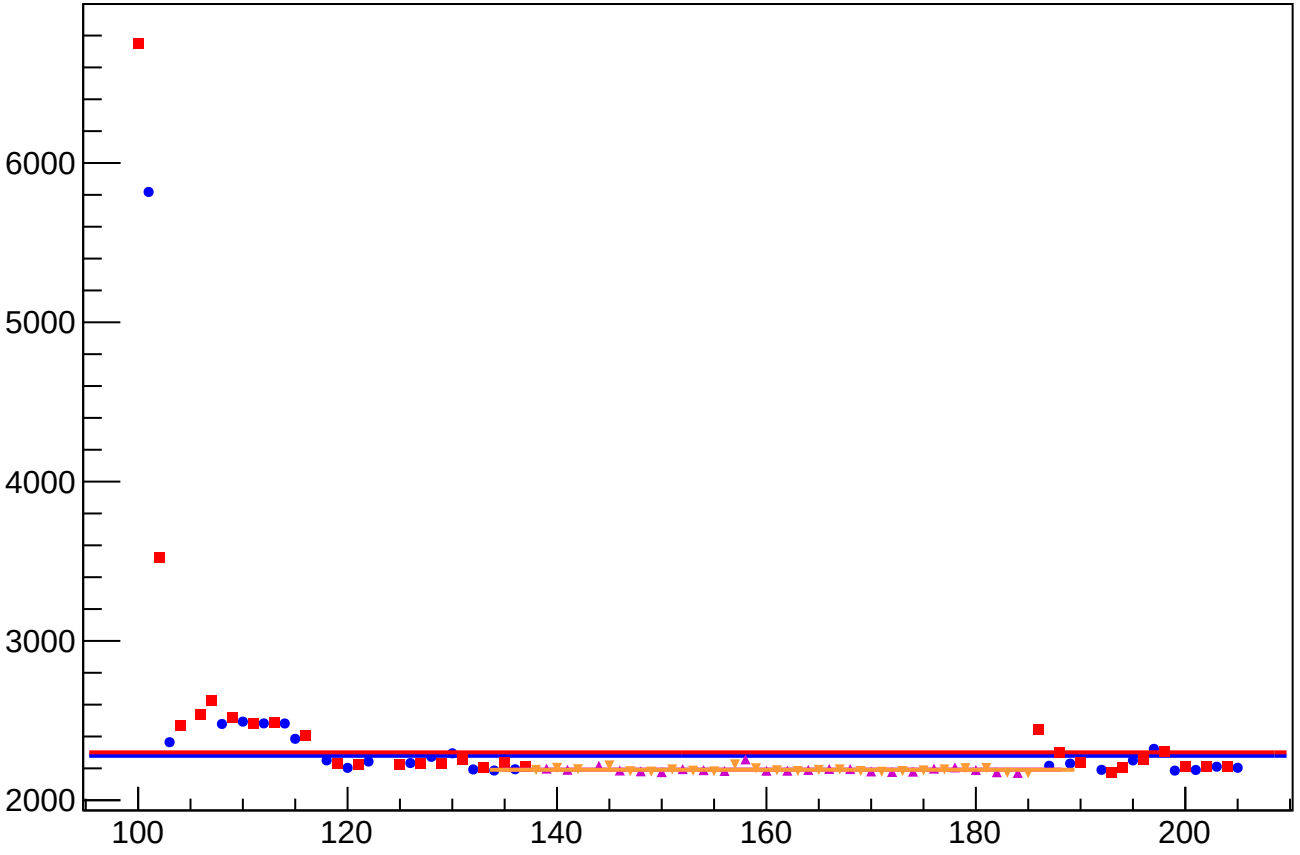
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4043.204+/-391.283 χ^2/NDF: 47.1/48

All: -132.608+/-275.882 χ^2/NDF: 330.6/99

- sign -4260.614+/-389.037 χ^2/NDF: 57.0/50

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.7/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

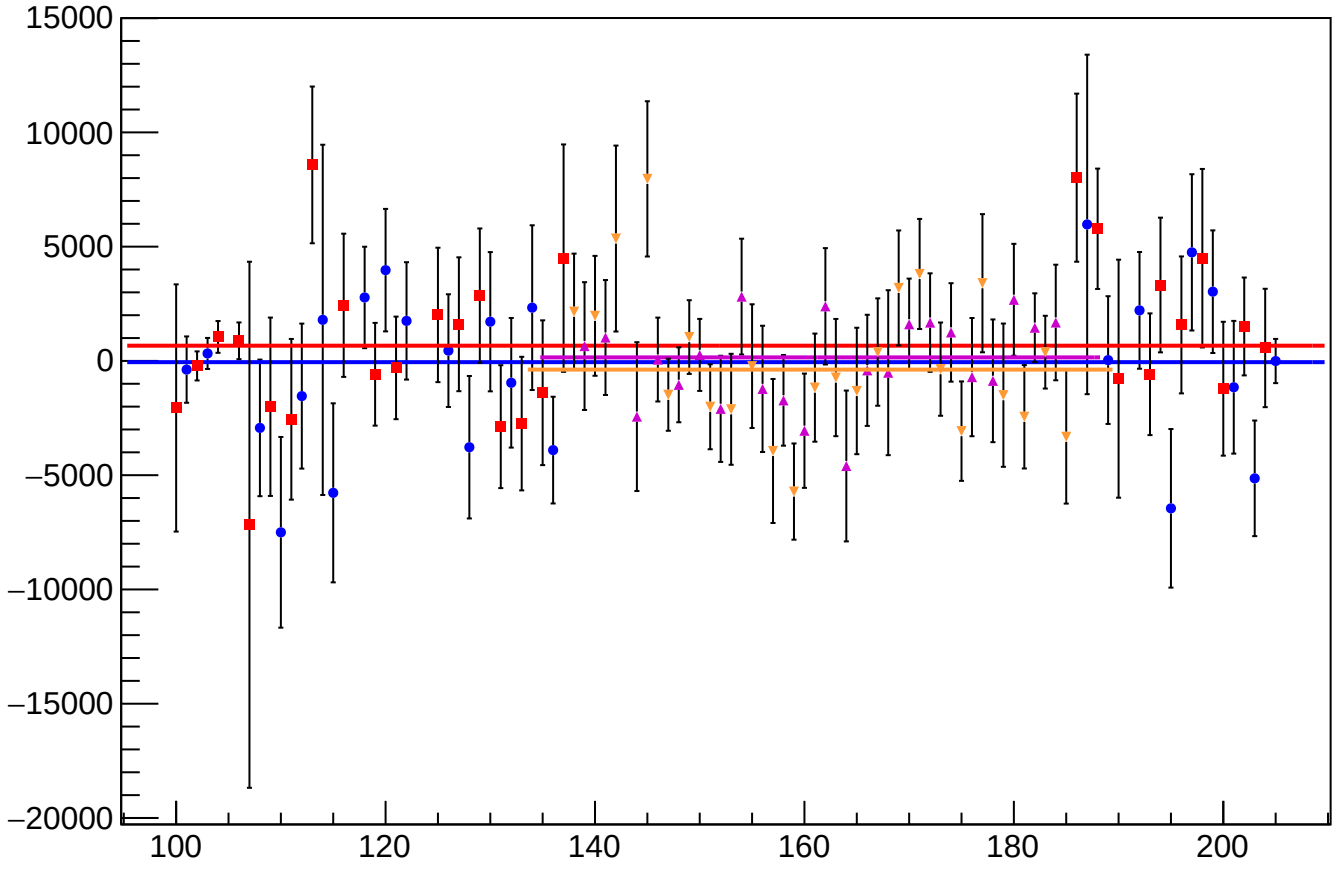
Right Out: 2300.546+/-0.423 χ^2/NDF: 243112.4/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2226.892+/-0.277 χ^2/NDF: 553208.5/48

All: 2232.458+/-0.195 χ^2/NDF: 837251.5/99

- sign 2237.959+/-0.275 χ^2/NDF: 283238.5/50



Right In: -54.068+/-401.741 χ^2/NDF: 28.6/24

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

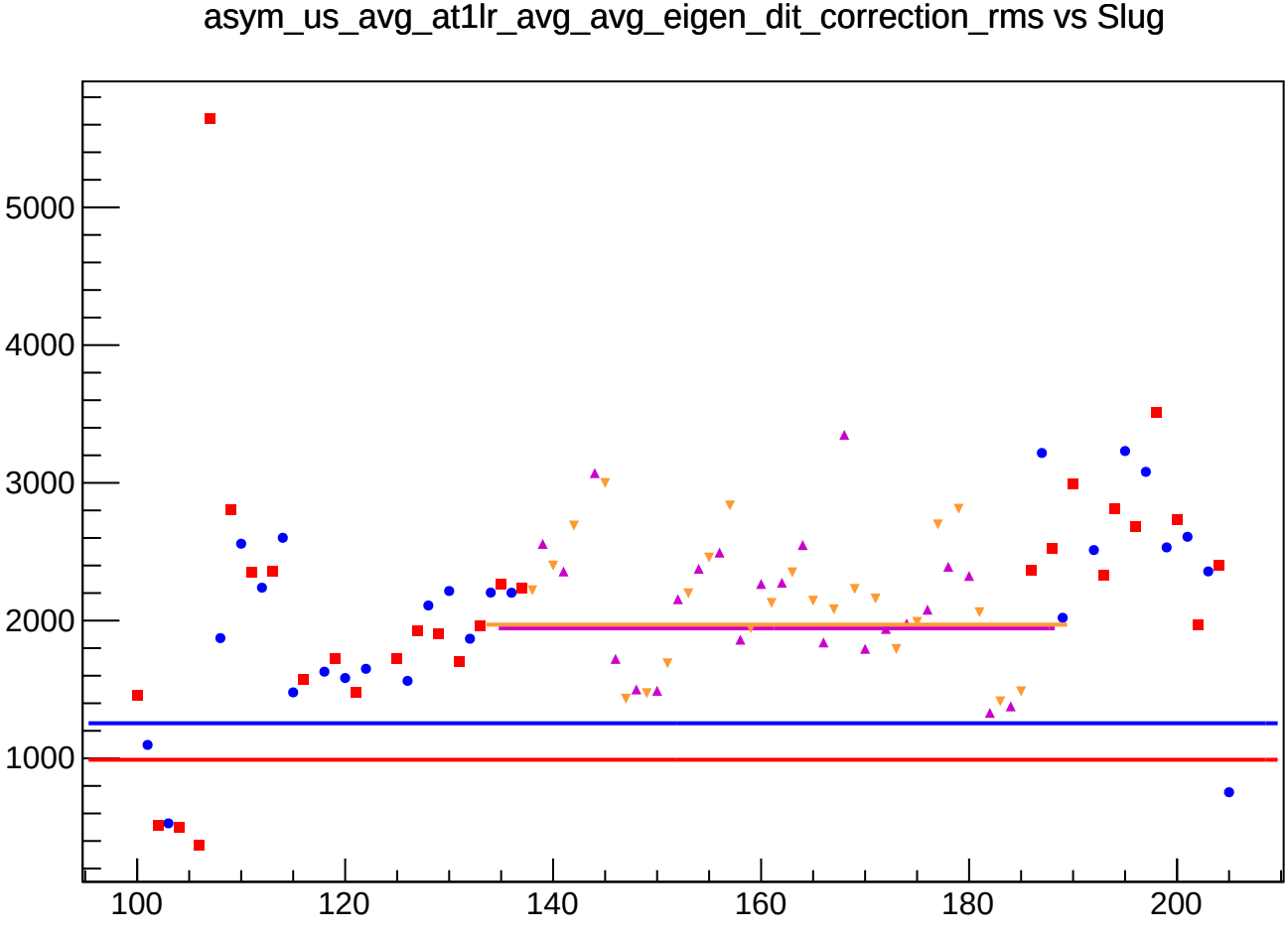
Right Out: 666.324+/-337.507 χ^2/NDF: 26.0/27

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

\+ sign -191.375+/-305.788 χ^2/NDF: 59.7/48

All: 187.542+/-203.959 χ^2/NDF: 102.0/99

\- sign 491.212+/-273.747 χ^2/NDF: 39.6/50



Right In: 1254.665+/-0.284 χ^2/NDF: 7726185.6/24

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 989.780+/-0.239 χ^2/NDF: 12139632.3/27

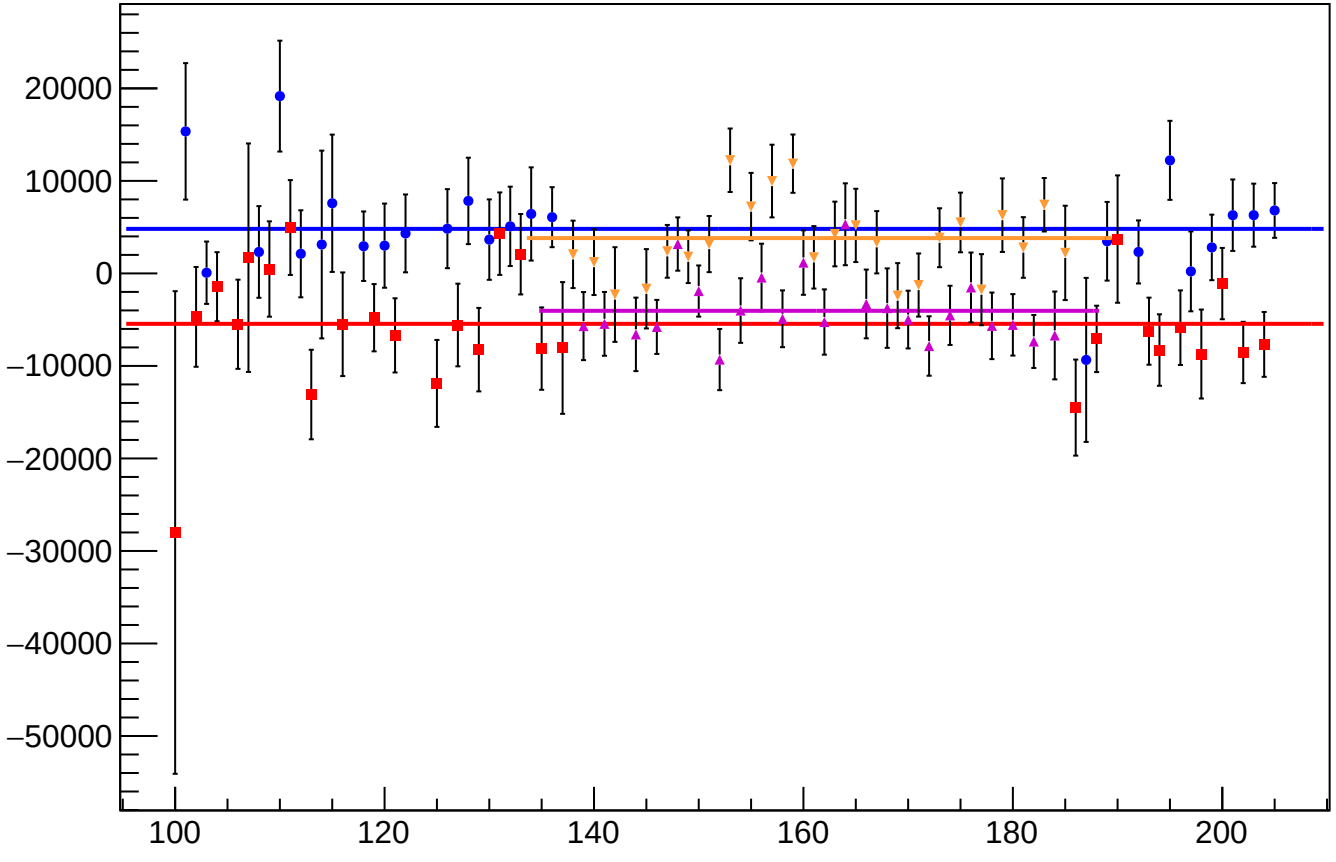
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1555.841+/-0.216 χ^2/NDF: 12095034.2/48

All: 1422.774+/-0.144 χ^2/NDF: 32265363.3/9

- sign 1316.133+/-0.194 χ^2/NDF: 19488083.3/50

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4813.953+/-852.533 χ^2/NDF: 20.1/24

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5450.264+/-849.132 χ^2/NDF: 29.5/27

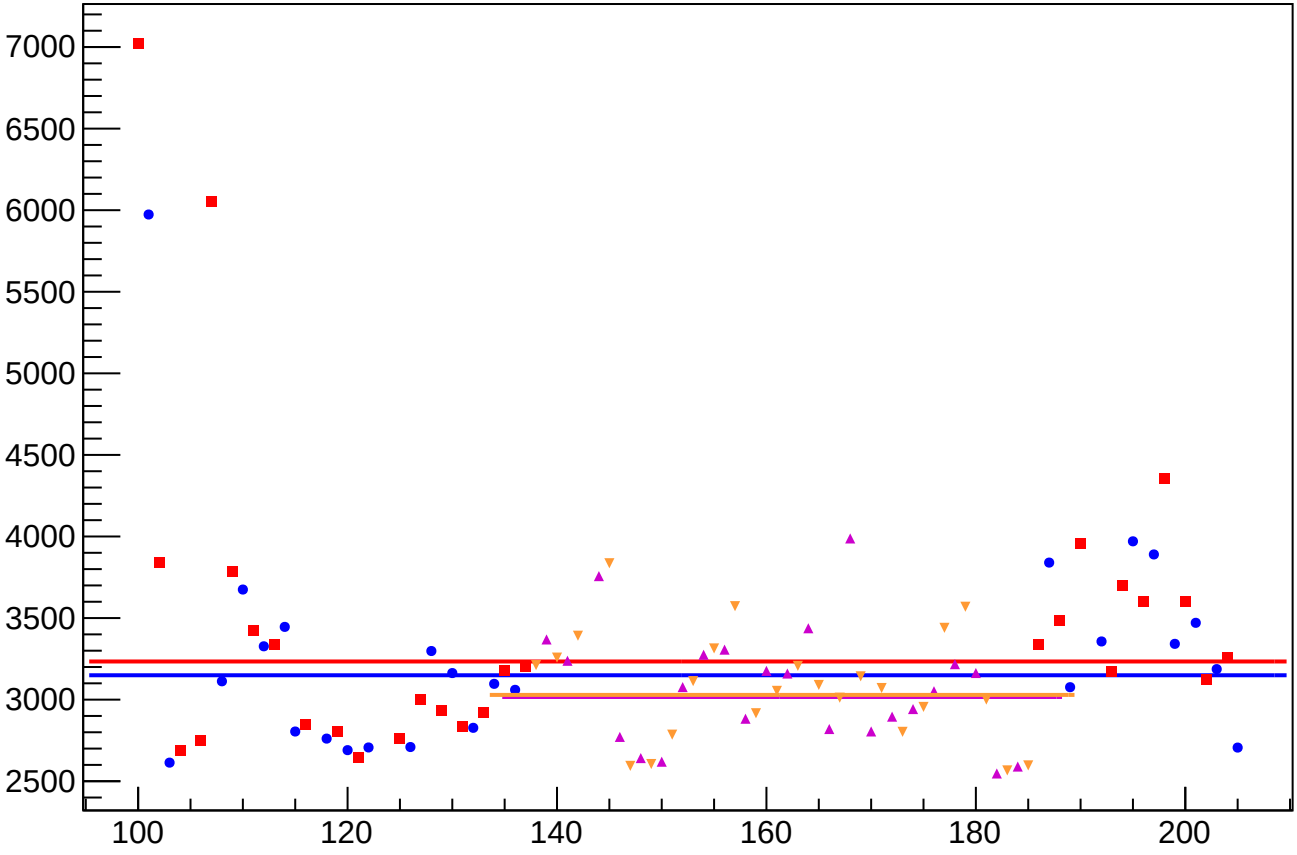
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4224.634+/-544.810 χ^2/NDF: 51.8/48

All: -200.934+/-385.125 χ^2/NDF: 237.3/99

- sign -4621.294+/-544.489 χ^2/NDF: 53.6/50

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3149.443+/-0.603 χ^2/NDF: 685941.1/24

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

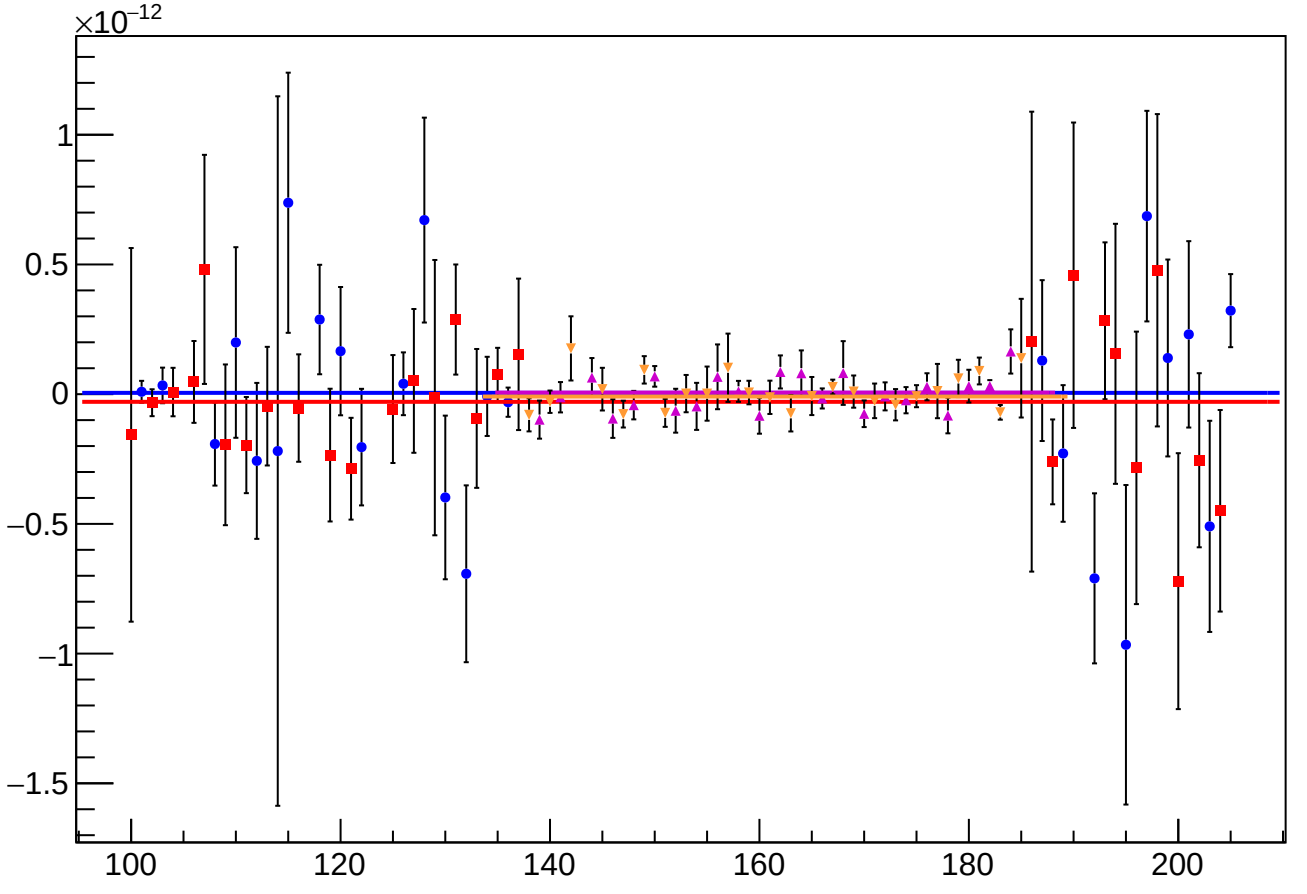
Right Out: 3233.868+/-0.600 χ^2/NDF: 611882.1/27

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3078.177+/-0.385 χ^2/NDF: 1106675.1/48

All: 3091.962+/-0.272 χ^2/NDF: 2238362.7/99

- sign 3105.731+/-0.385 χ^2/NDF: 1129128.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

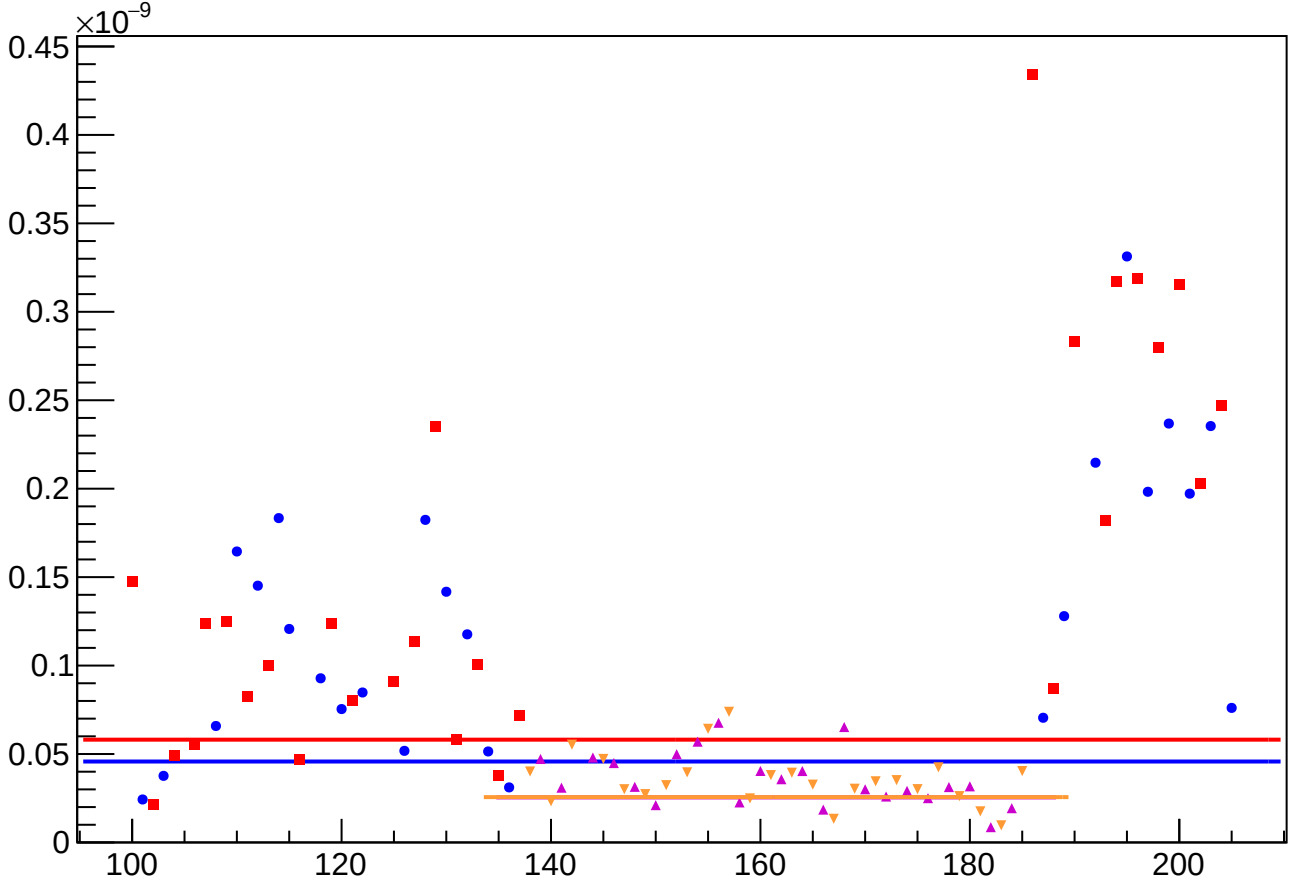
Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/48

All: -0.000+/-0.000 χ^2/NDF: 102.1/99

- sign 0.000+/-0.000 χ^2/NDF: 41.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 4756024.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

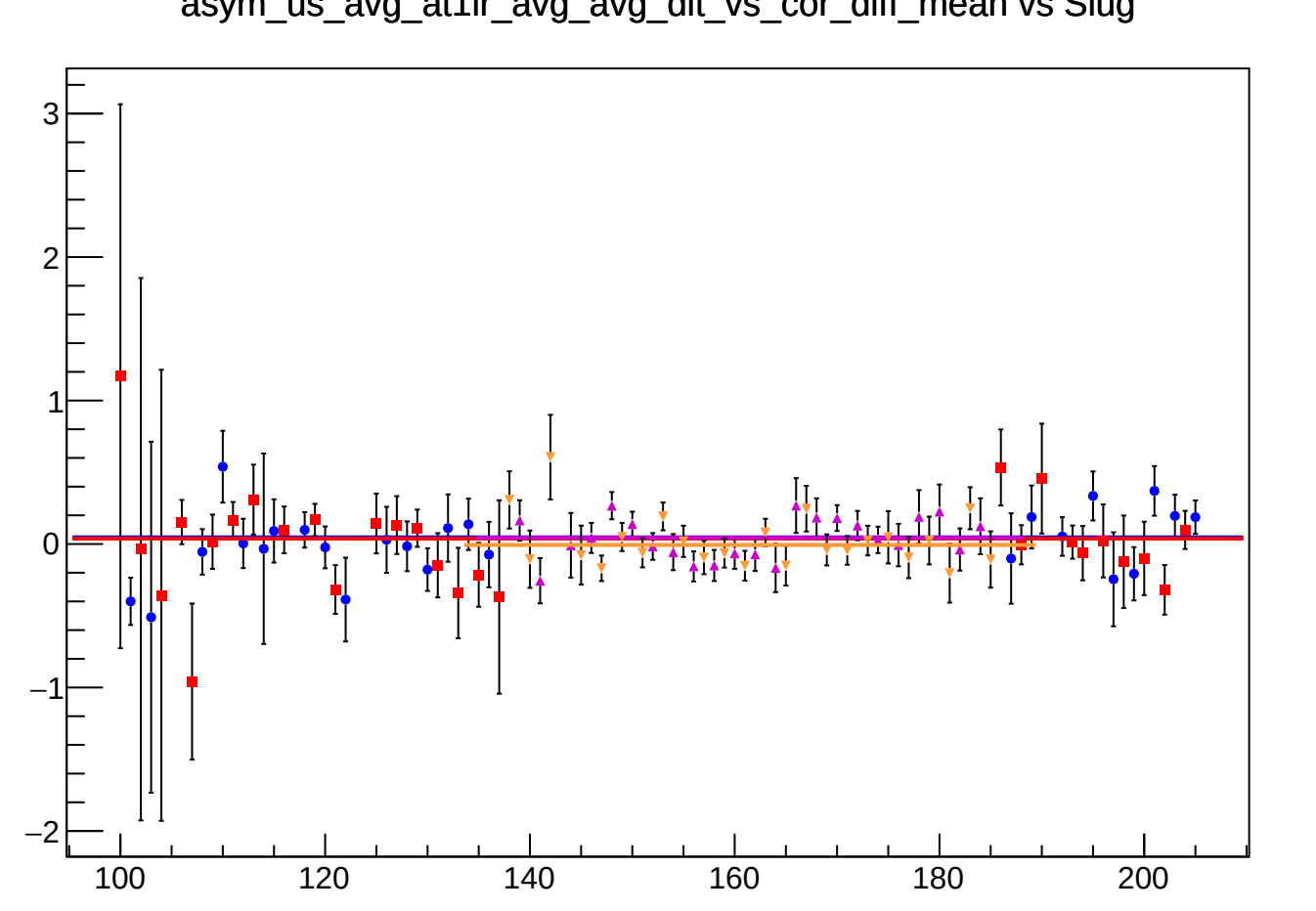
Right Out: 0.000+/-0.000 χ^2/NDF: 5663338.3/27

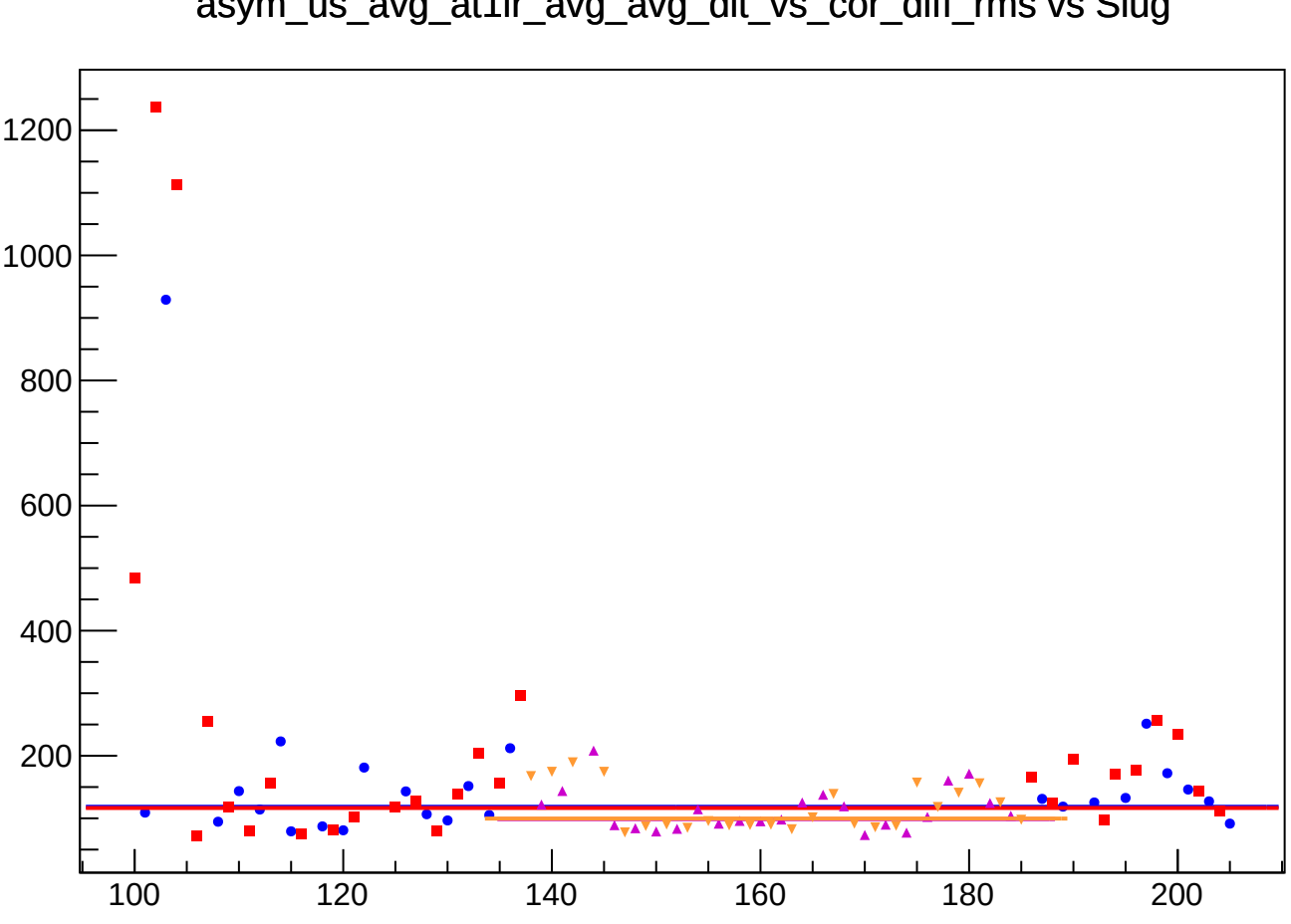
Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8198442.4/48

All: 0.000+/-0.000 χ^2/NDF: 18432133.4/99

- sign 0.000+/-0.000 χ^2/NDF: 10233586.1/50


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.047+/-0.036 χ²/NDF: 29.7/24
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.038+/-0.036 χ²/NDF: 27.2/27
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.011+/-0.021 χ²/NDF: 58.9/48
All: 0.026+/-0.015 χ²/NDF: 117.5/99
- sign 0.042+/-0.021 χ²/NDF: 57.5/50



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

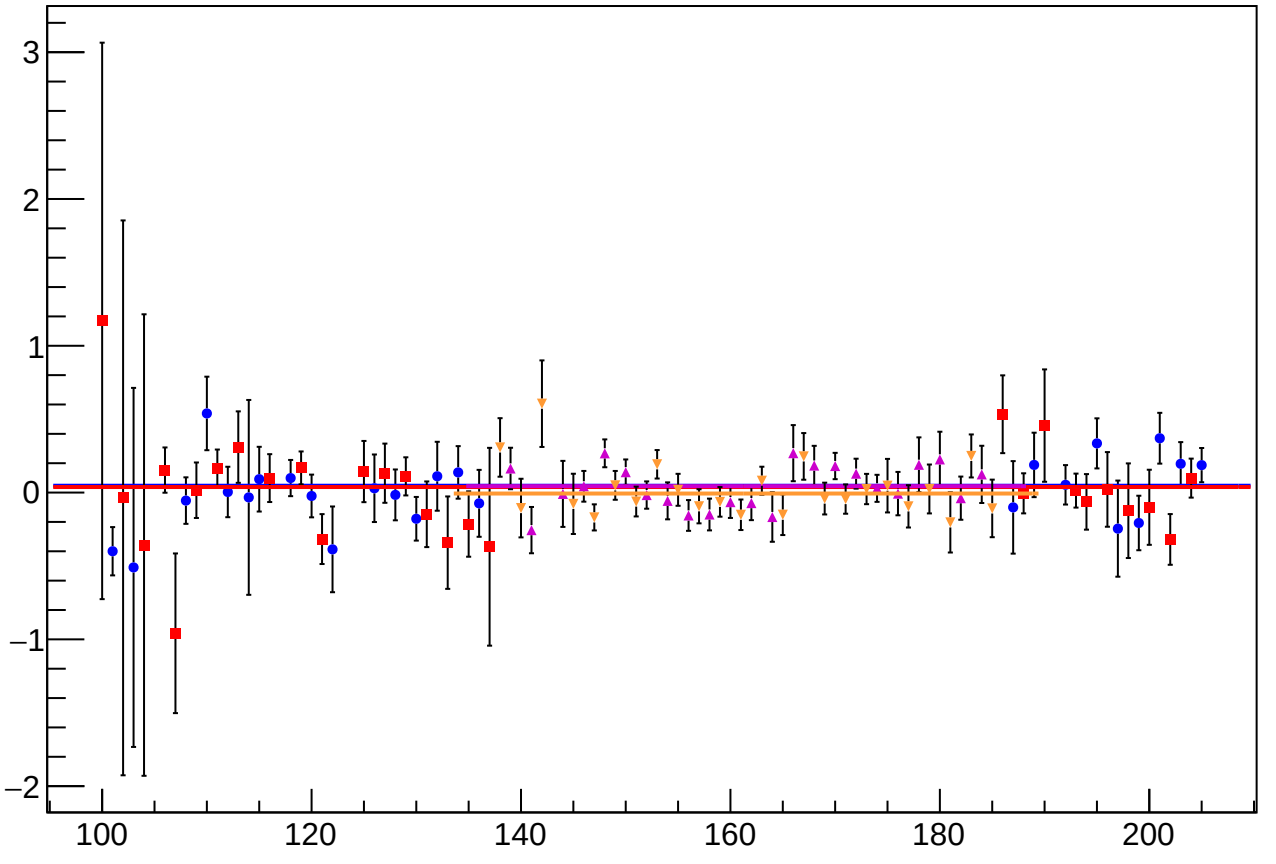
Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999198.6/48

All: 105.116+/-0.010 χ^2/NDF: 11682878.3/99

- sign 104.506+/-0.015 χ^2/NDF: 6680122.5/50



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

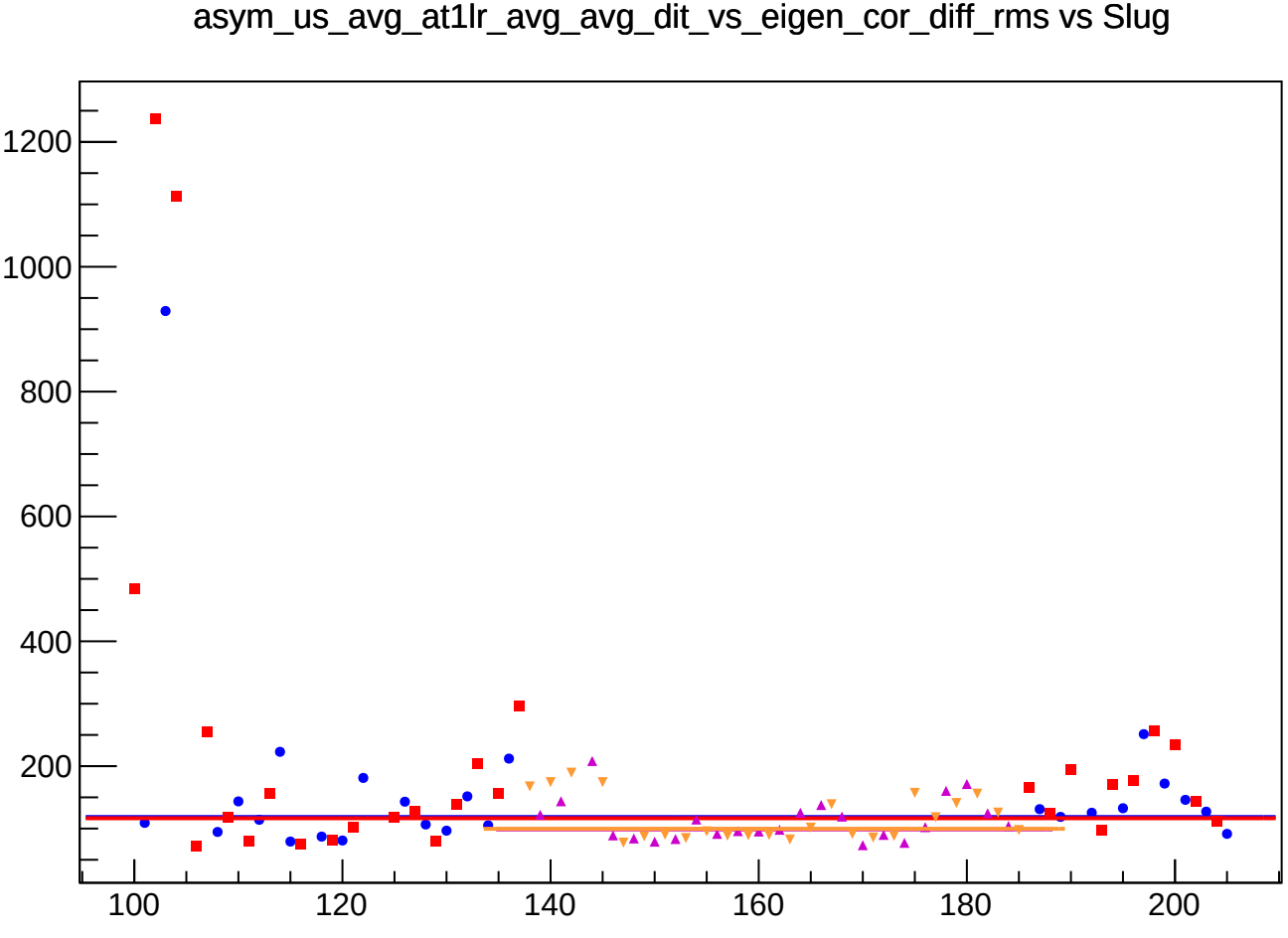
Right Out: 0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.011+/-0.021 χ^2/NDF: 58.9/48

All: 0.026+/-0.015 χ^2/NDF: 117.5/99

- sign 0.042+/-0.021 χ^2/NDF: 57.5/50



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

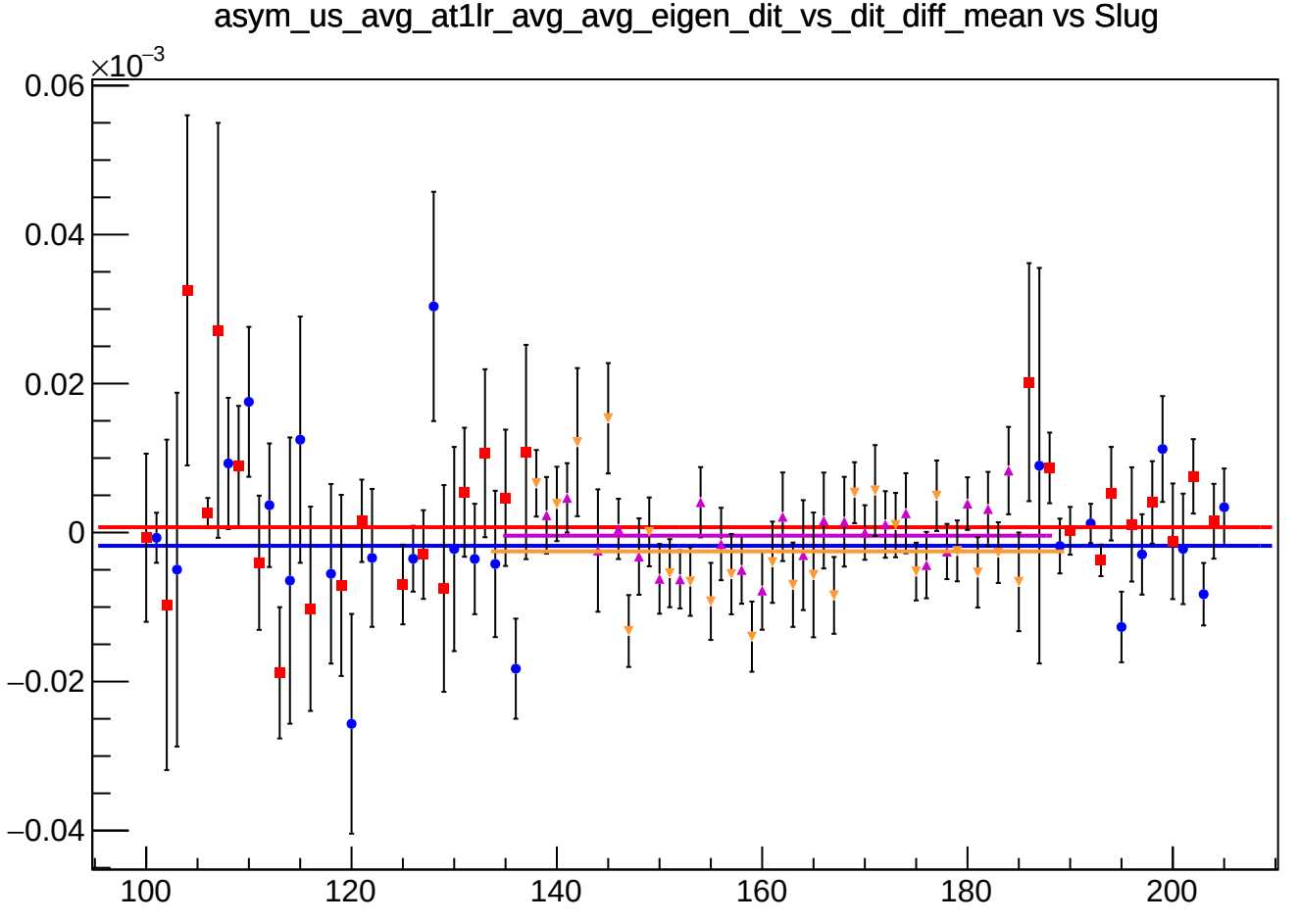
Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999198.6/48

All: 105.116+/-0.010 χ^2/NDF: 11682878.3/99

- sign 104.506+/-0.015 χ^2/NDF: 6680122.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

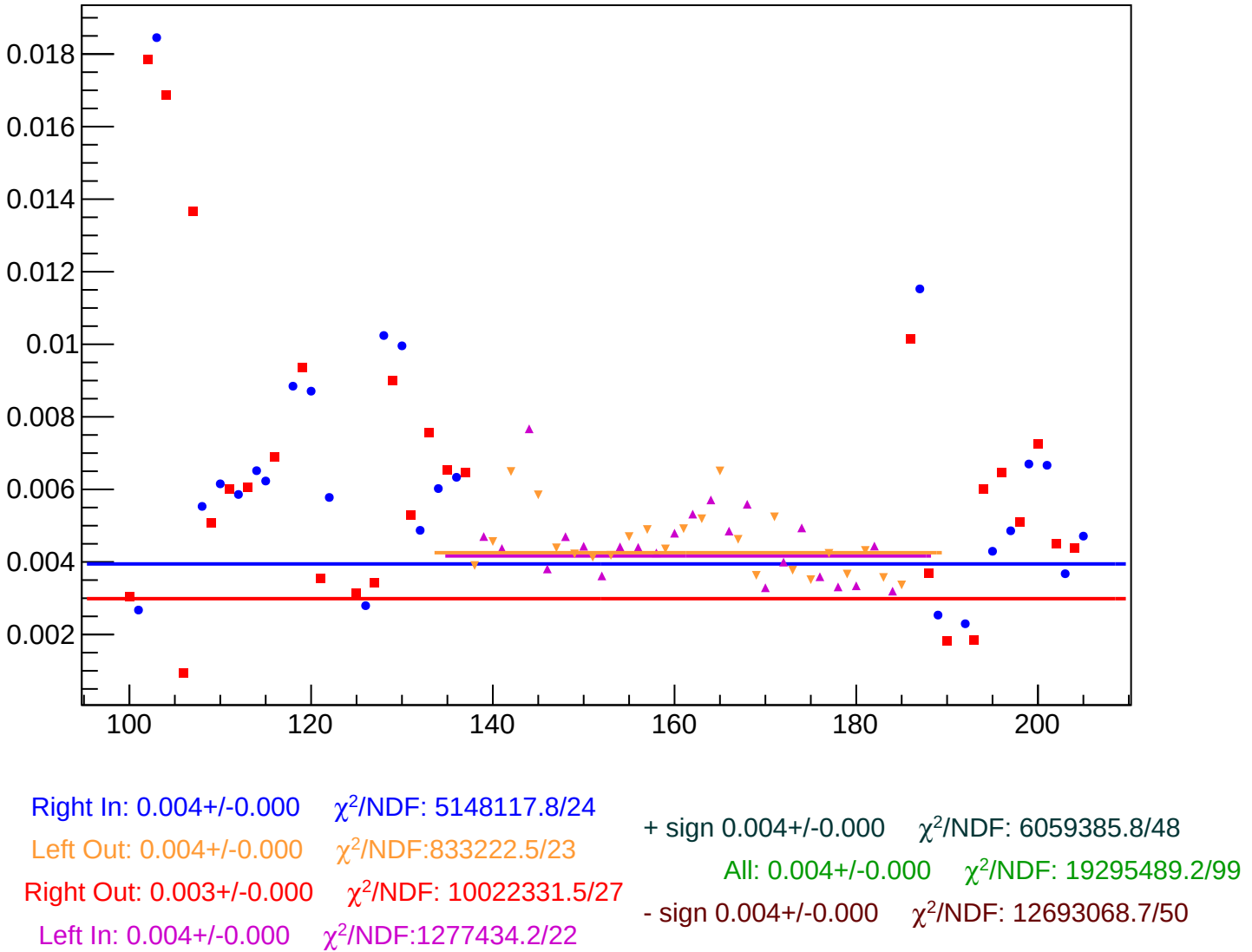
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/27

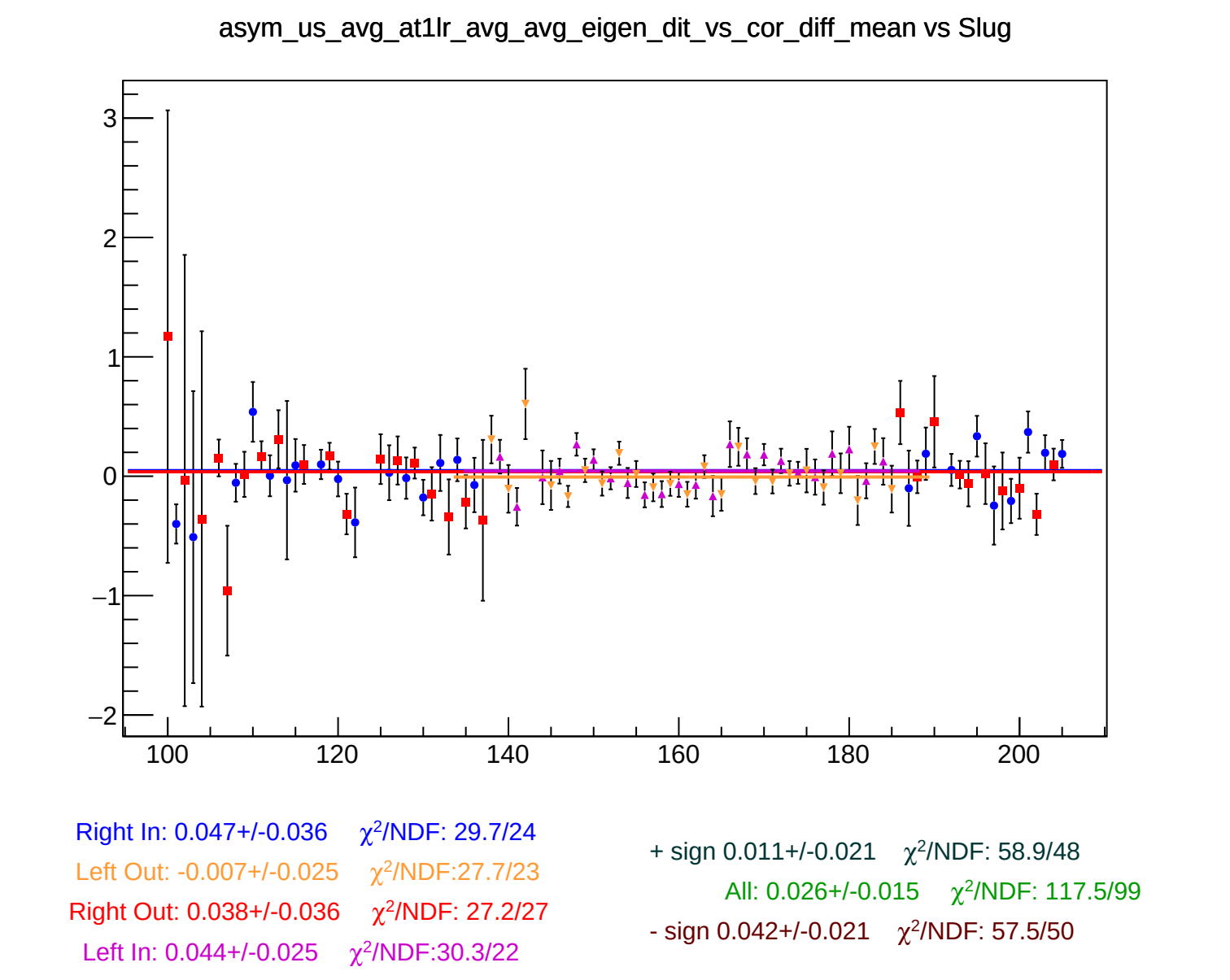
Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

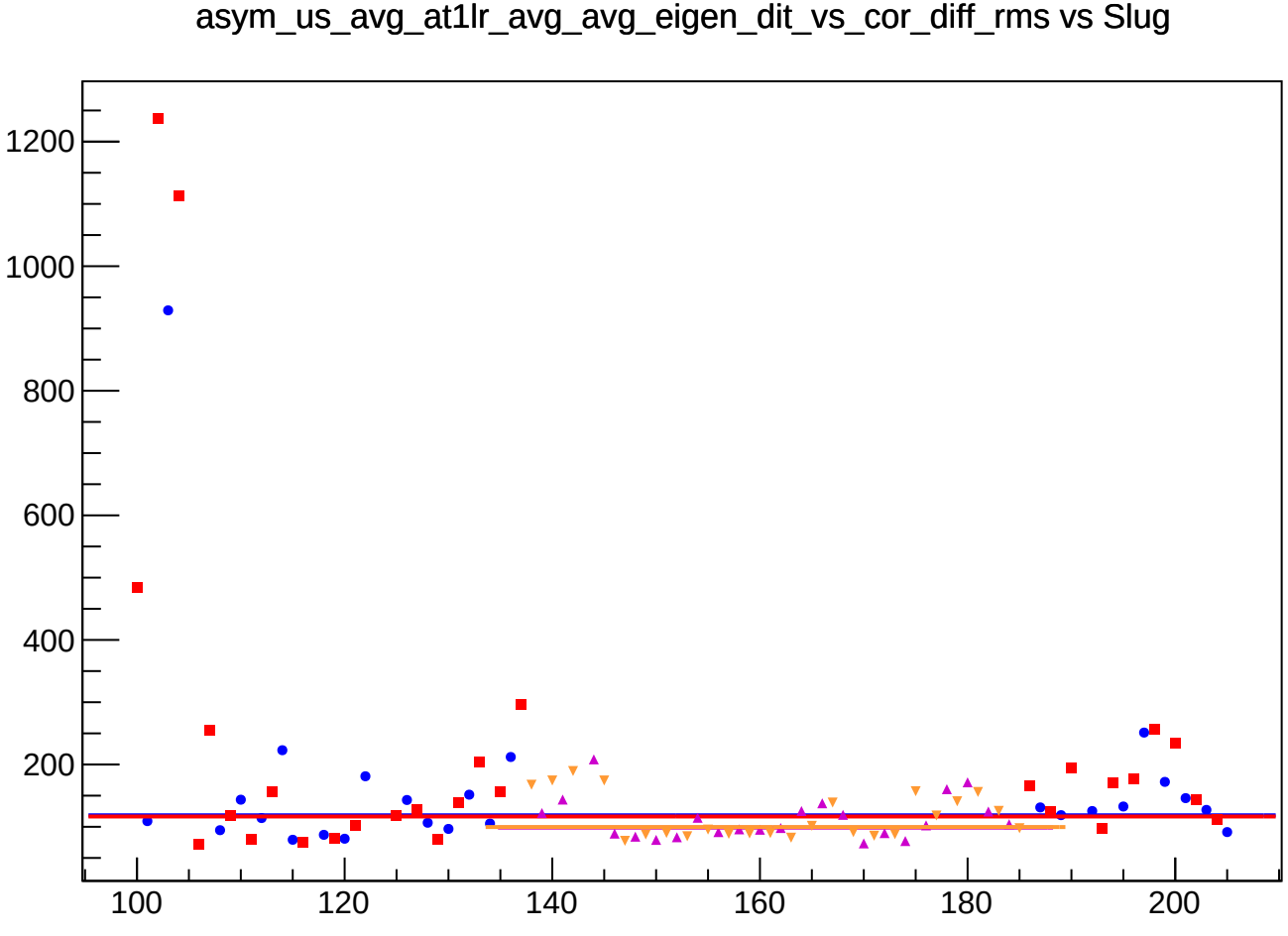
+ sign -0.000+/-0.000 χ^2/NDF: 74.0/48

All: -0.000+/-0.000 χ^2/NDF: 122.9/99

- sign 0.000+/-0.000 χ^2/NDF: 43.9/50


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 5148117.8/24
Left Out: 0.004+/-0.000 χ²/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 10022331.5/27
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
+ sign 0.004+/-0.000 χ²/NDF: 6059385.8/48
All: 0.004+/-0.000 χ²/NDF: 19295489.2/99
- sign 0.004+/-0.000 χ²/NDF: 12693068.7/50


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.047+/-0.036 χ²/NDF: 29.7/24
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.038+/-0.036 χ²/NDF: 27.2/27
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.011+/-0.021 χ²/NDF: 58.9/48
All: 0.026+/-0.015 χ²/NDF: 117.5/99
- sign 0.042+/-0.021 χ²/NDF: 57.5/50



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

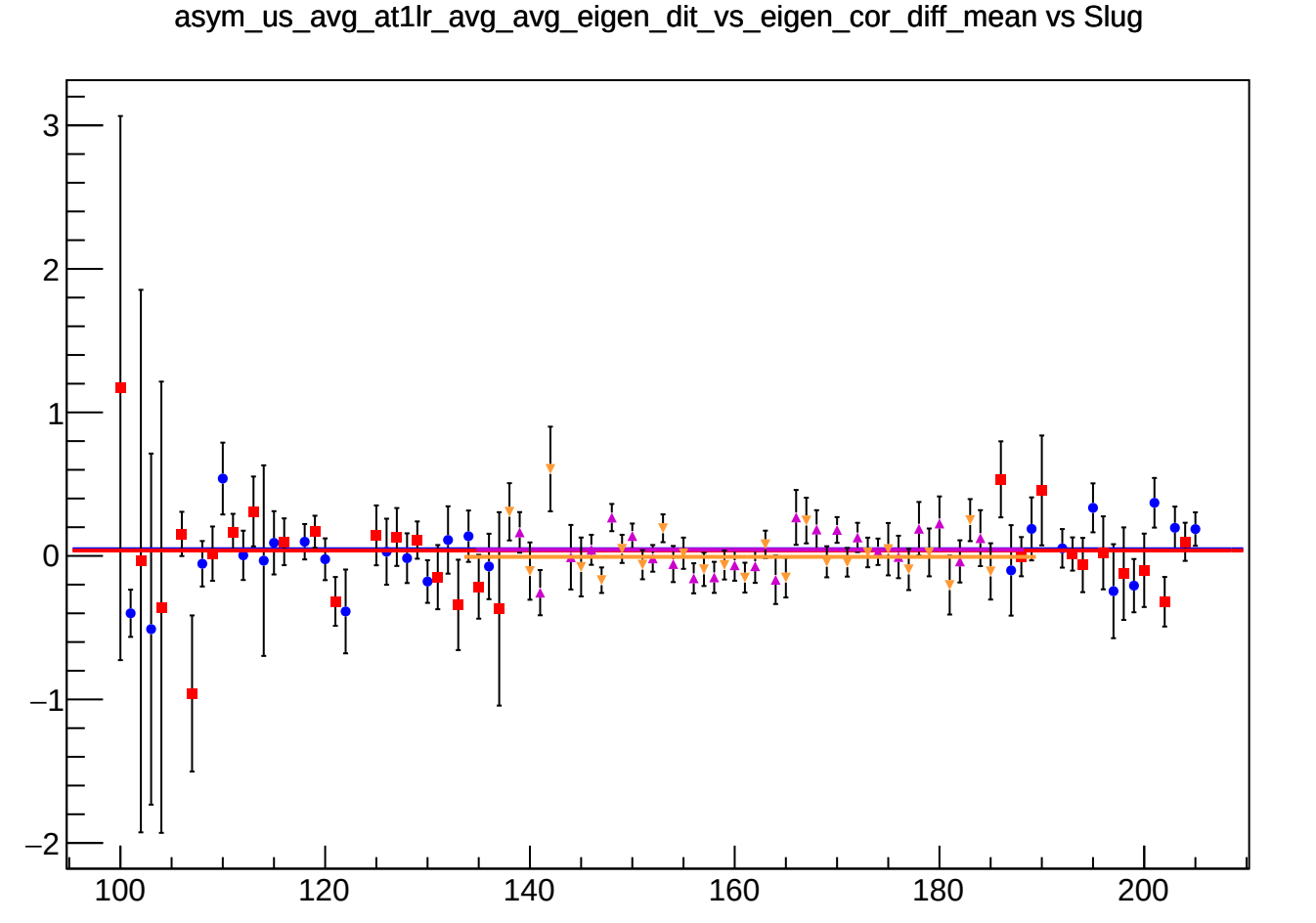
Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999171.4/48

All: 105.116+/-0.010 χ^2/NDF: 11682792.7/99

- sign 104.506+/-0.015 χ^2/NDF: 6680064.7/50



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

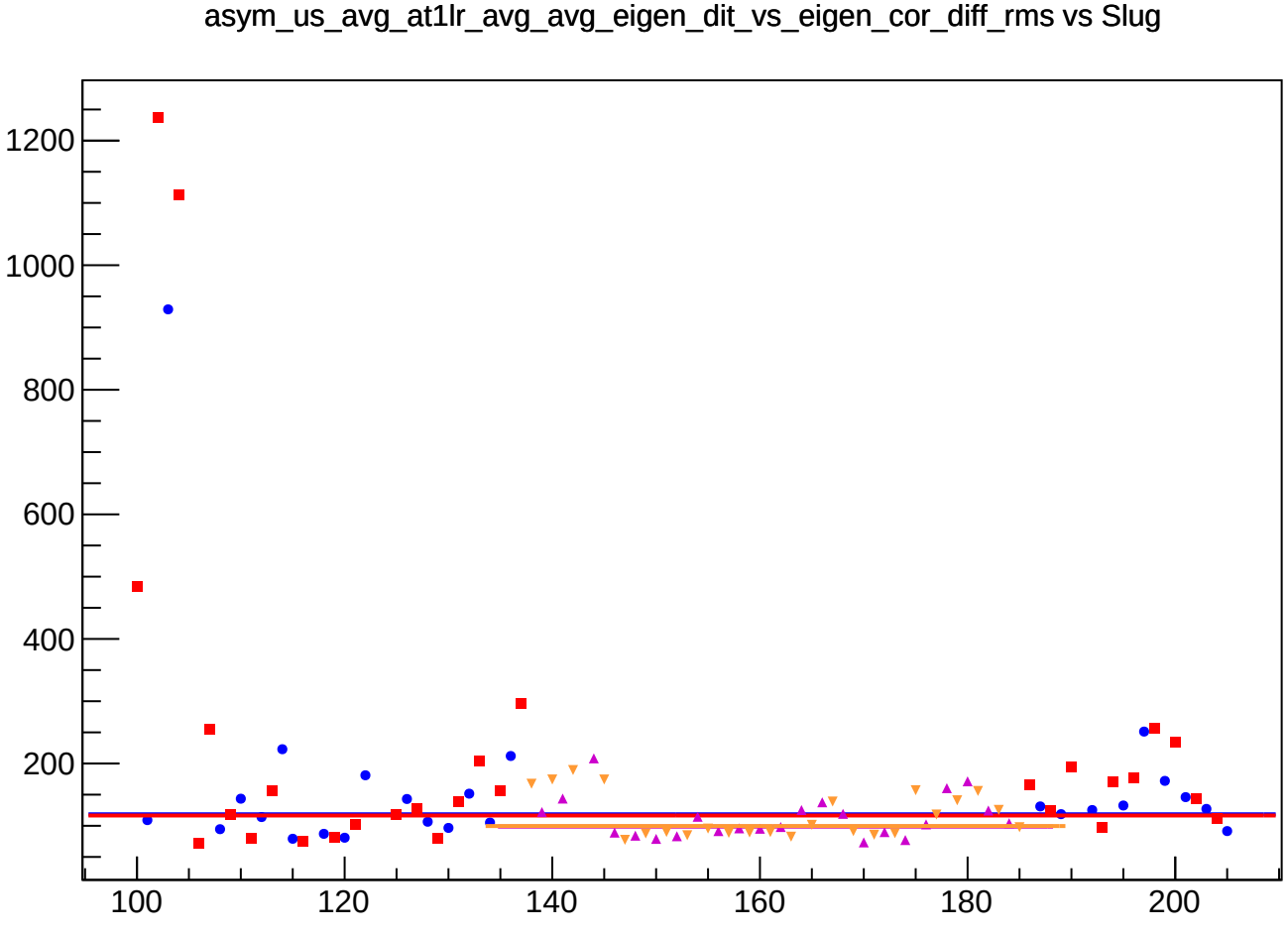
Right Out: 0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.011+/-0.021 χ^2/NDF: 58.9/48

All: 0.026+/-0.015 χ^2/NDF: 117.5/99

- sign 0.042+/-0.021 χ^2/NDF: 57.5/50



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

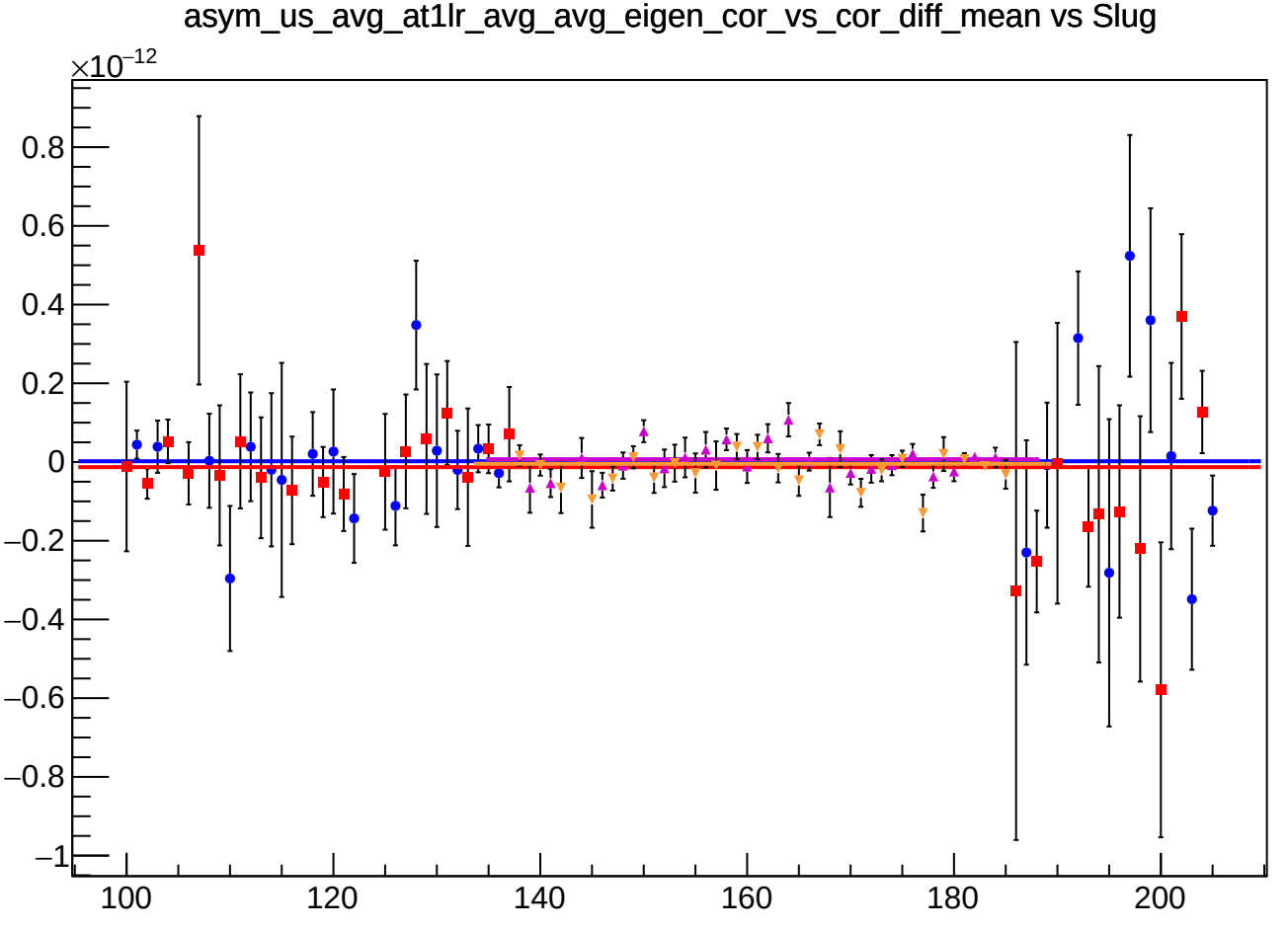
Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999171.4/48

All: 105.116+/-0.010 χ^2/NDF: 11682792.7/99

- sign 104.506+/-0.015 χ^2/NDF: 6680064.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

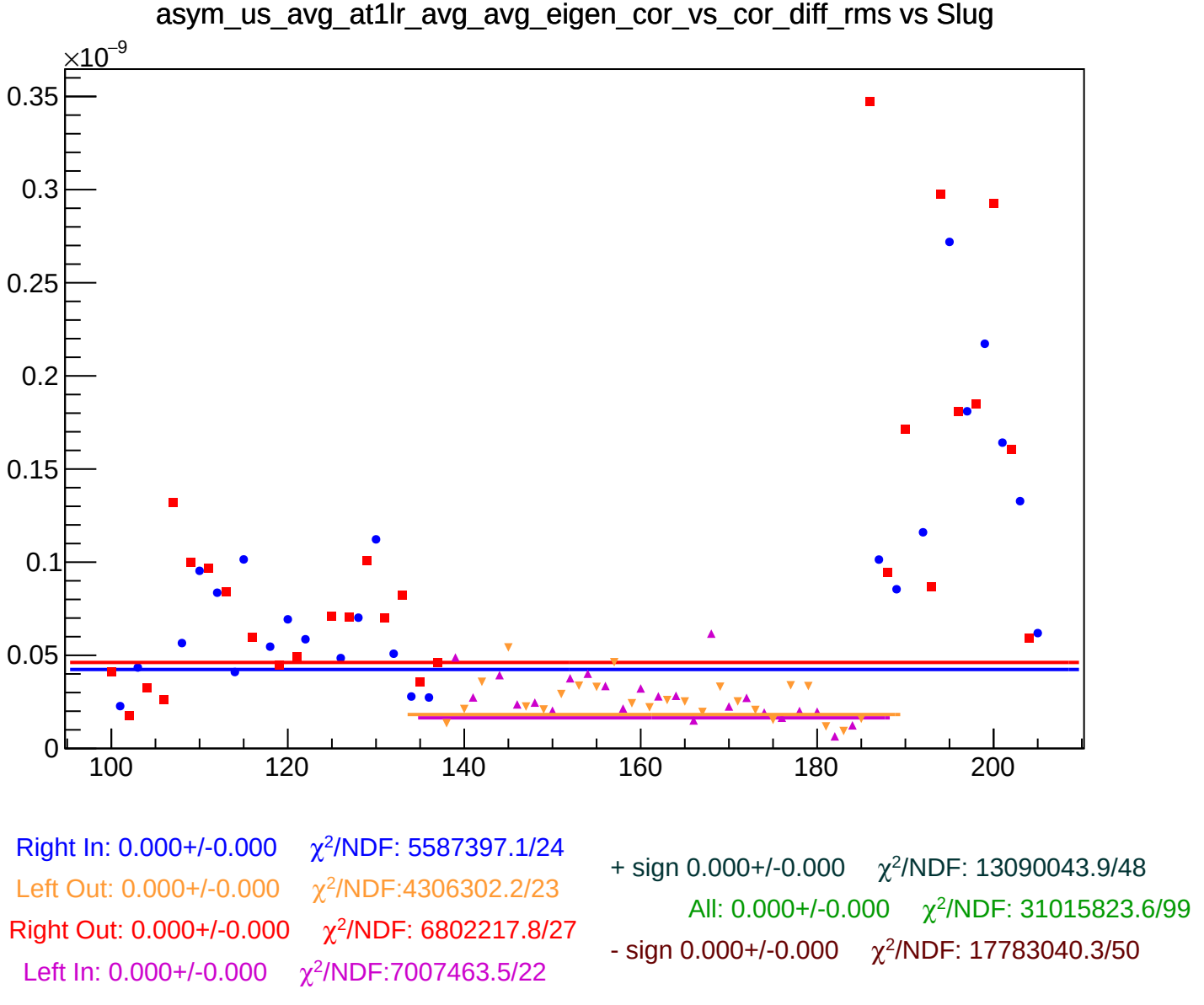
Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/27

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

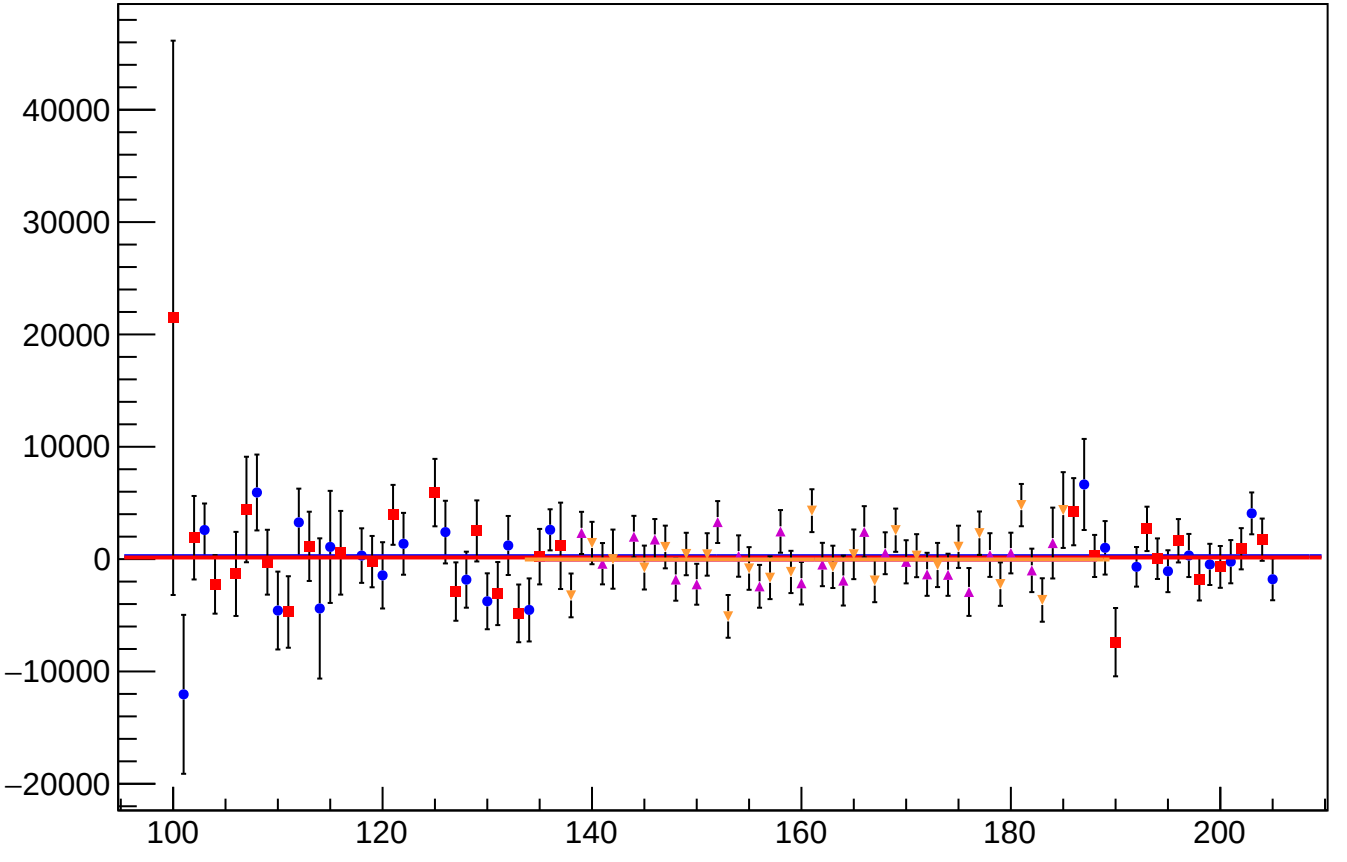
+ sign -0.000+/-0.000 χ^2/NDF: 60.9/48

All: 0.000+/-0.000 χ^2/NDF: 120.0/99

- sign 0.000+/-0.000 χ^2/NDF: 57.6/50


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5587397.1/24
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6802217.8/27
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 13090043.9/48
All: 0.000+/-0.000 χ²/NDF: 31015823.6/99
- sign 0.000+/-0.000 χ²/NDF: 17783040.3/50

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 262.544+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 145.500+/-473.907 χ^2/NDF: 30.7/27

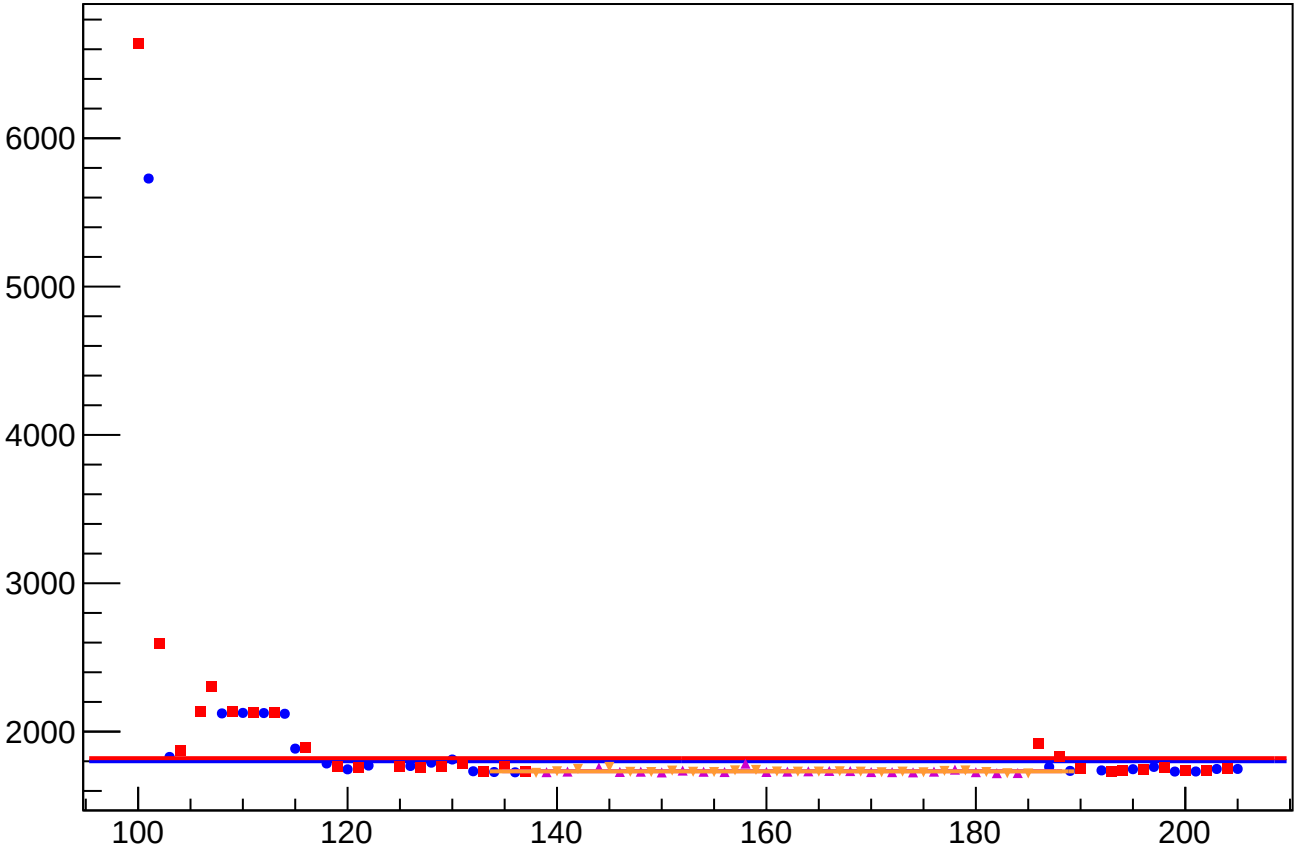
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 86.173+/-309.584 χ^2/NDF: 64.0/48

All: 58.337+/-218.259 χ^2/NDF: 114.2/99

- sign 30.829+/-307.755 χ^2/NDF: 50.2/50

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.286+/-0.343 χ^2/NDF: 704610.1/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1820.814+/-0.335 χ^2/NDF: 300647.9/27

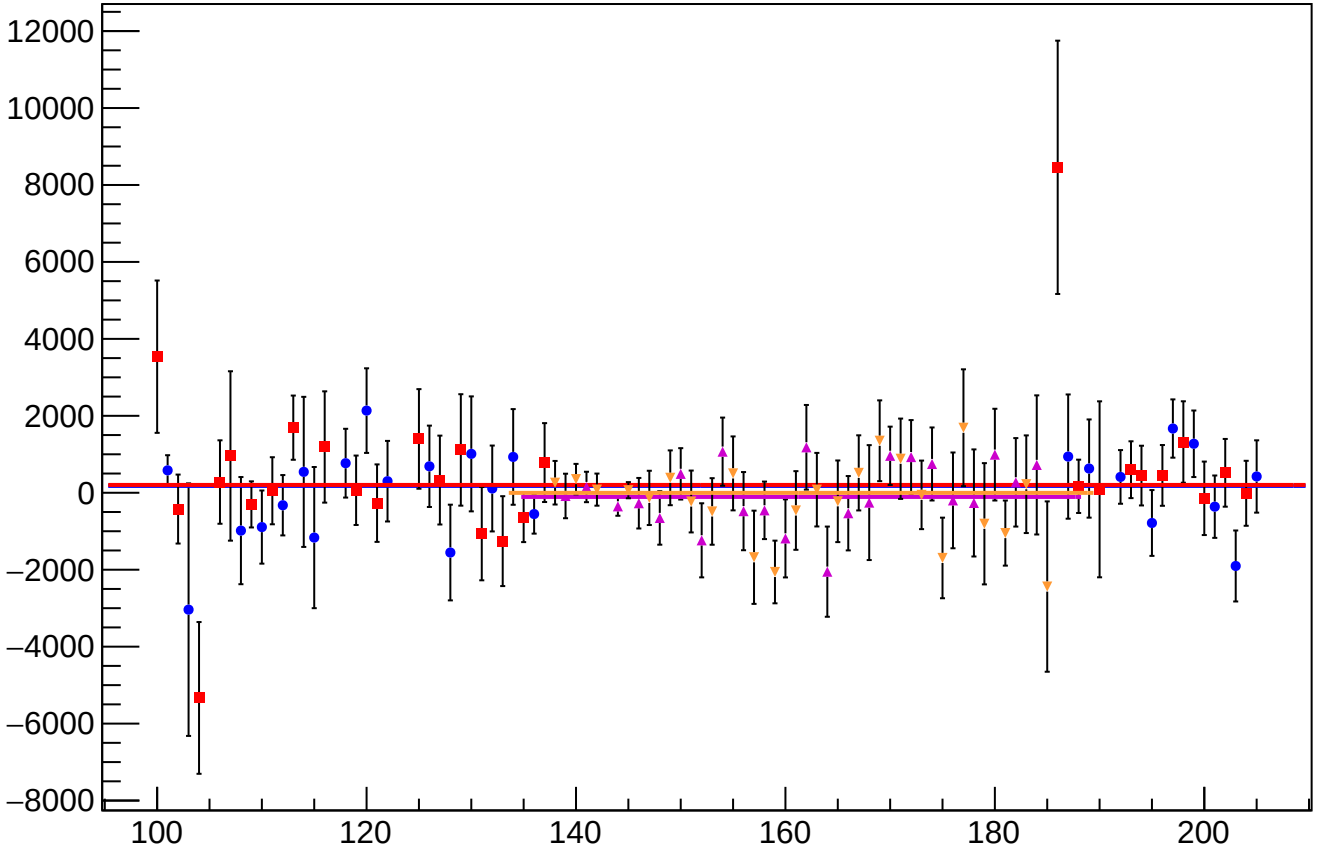
Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.773+/-0.219 χ^2/NDF: 729039.4/48

All: 1765.025+/-0.154 χ^2/NDF: 1072488.9/99

- sign 1770.215+/-0.218 χ^2/NDF: 342305.1/50

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug



Right In: 178.647+/-176.852 χ^2/NDF: 26.3/24

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 203.639+/-183.301 χ^2/NDF: 30.1/27

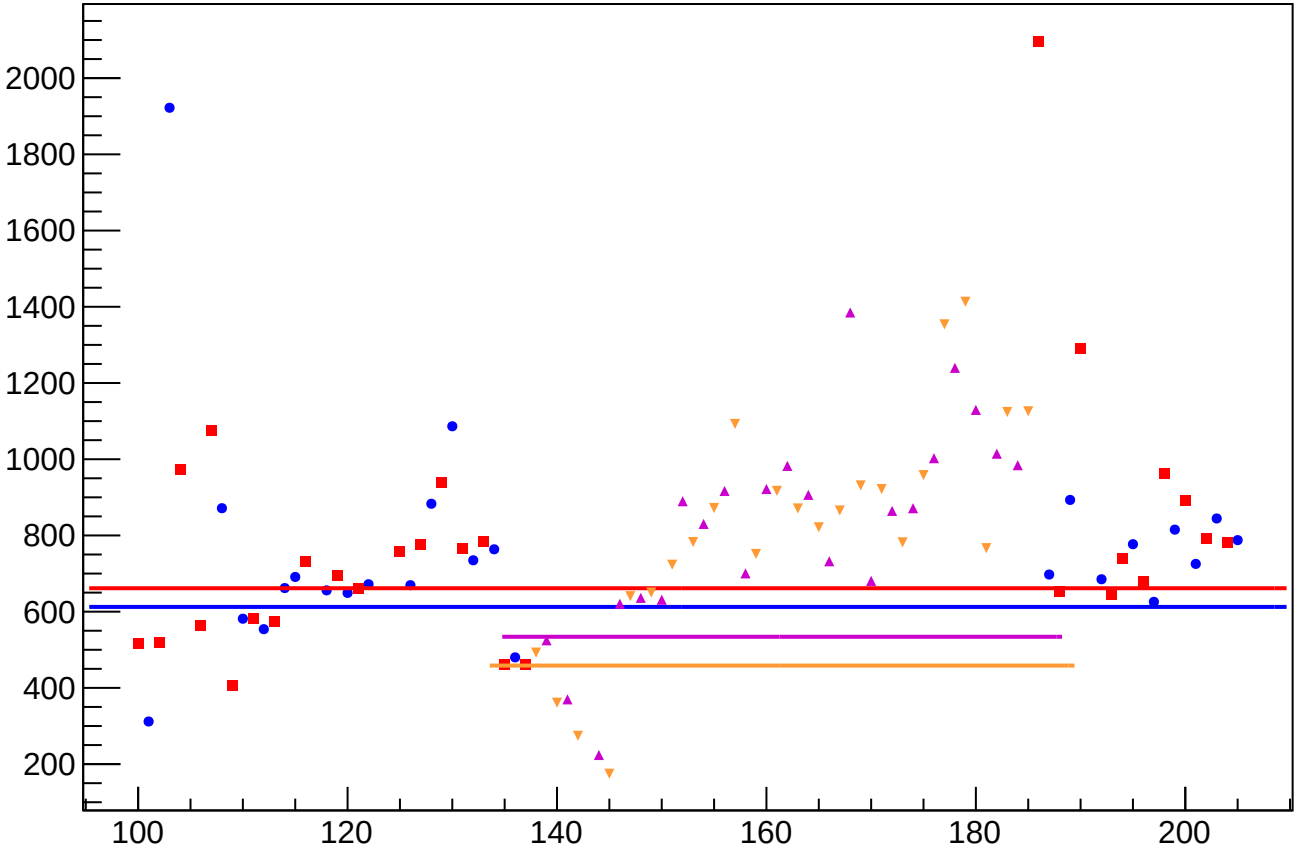
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 61.139+/-104.773 χ^2/NDF: 47.2/48

All: 37.472+/-76.799 χ^2/NDF: 96.3/99

- sign 9.990+/-112.902 χ^2/NDF: 48.9/50

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 612.483+/-0.125 χ^2/NDF: 2620908.7/24

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 661.507+/-0.130 χ^2/NDF: 1929184.0/27

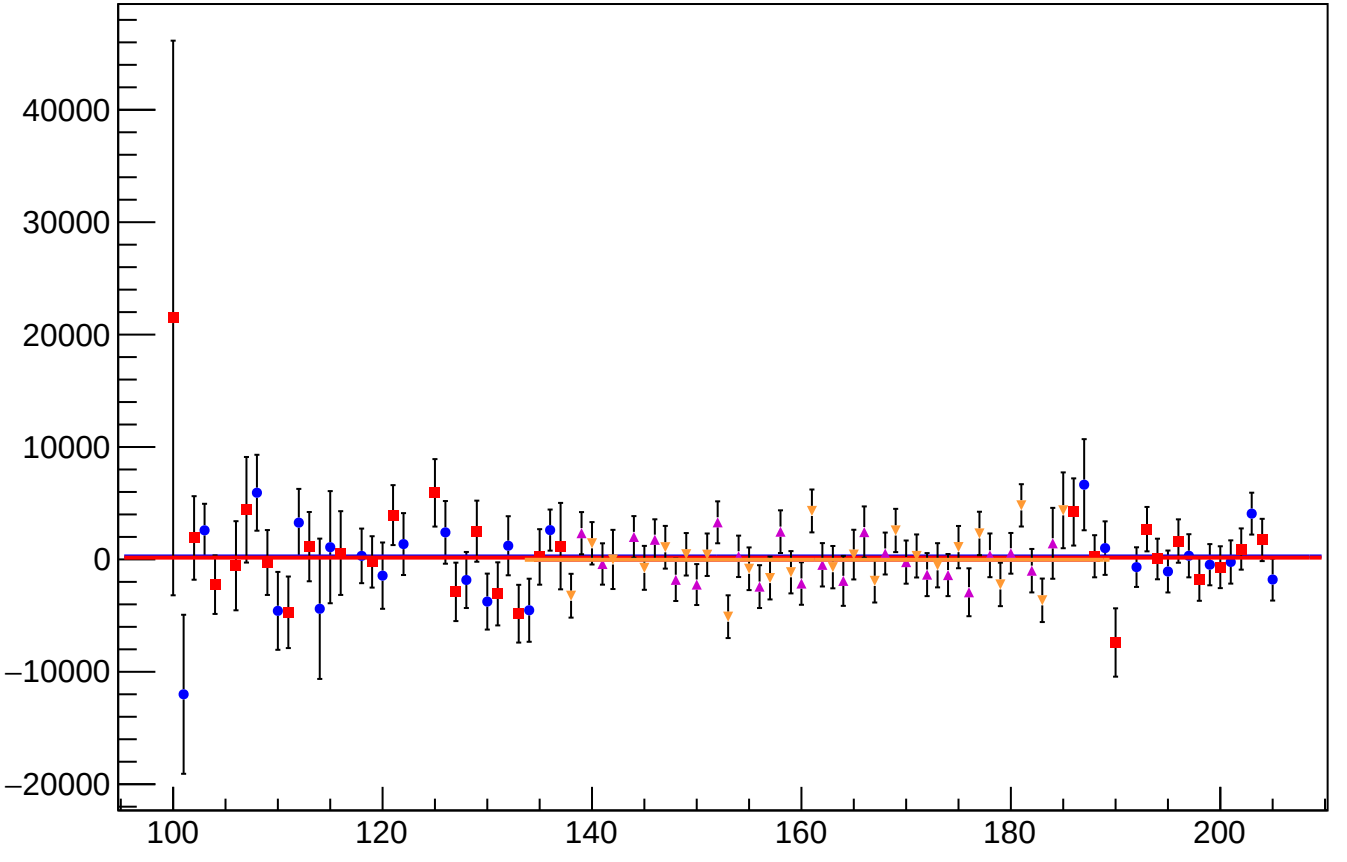
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 512.595+/-0.074 χ^2/NDF: 15030681.3/48

All: 544.928+/-0.054 χ^2/NDF: 26413903.9/99

- sign 582.474+/-0.080 χ^2/NDF: 10971576.3/50

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 262.520+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 158.959+/-474.321 χ^2/NDF: 30.5/27

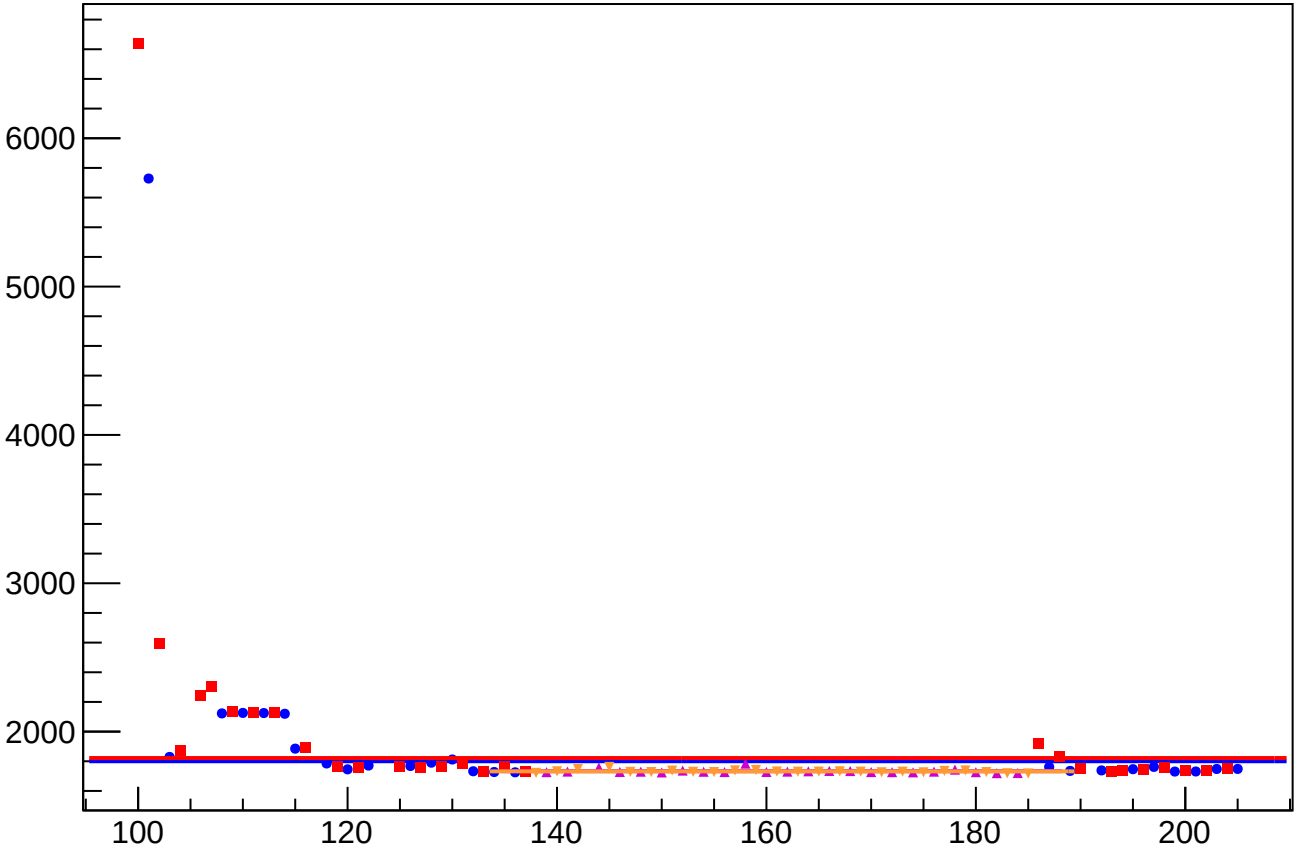
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 86.197+/-309.584 χ^2/NDF: 64.0/48

All: 61.192+/-218.300 χ^2/NDF: 114.1/99

- sign 36.463+/-307.868 χ^2/NDF: 50.1/50

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

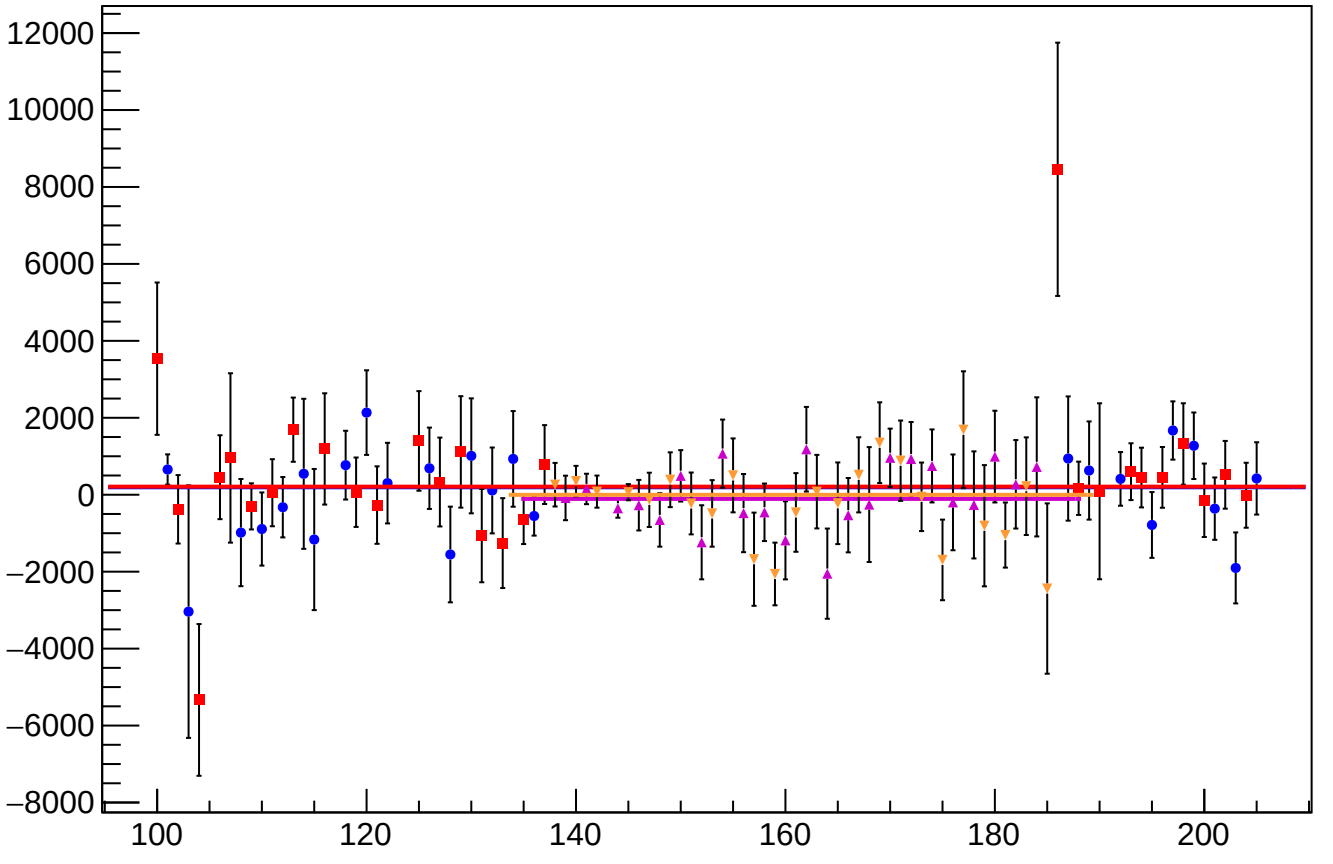
Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.773+/-0.219 χ^2/NDF: 729039.2/48

All: 1765.206+/-0.154 χ^2/NDF: 1081681.5/99

- sign 1770.579+/-0.218 χ^2/NDF: 351417.1/50



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

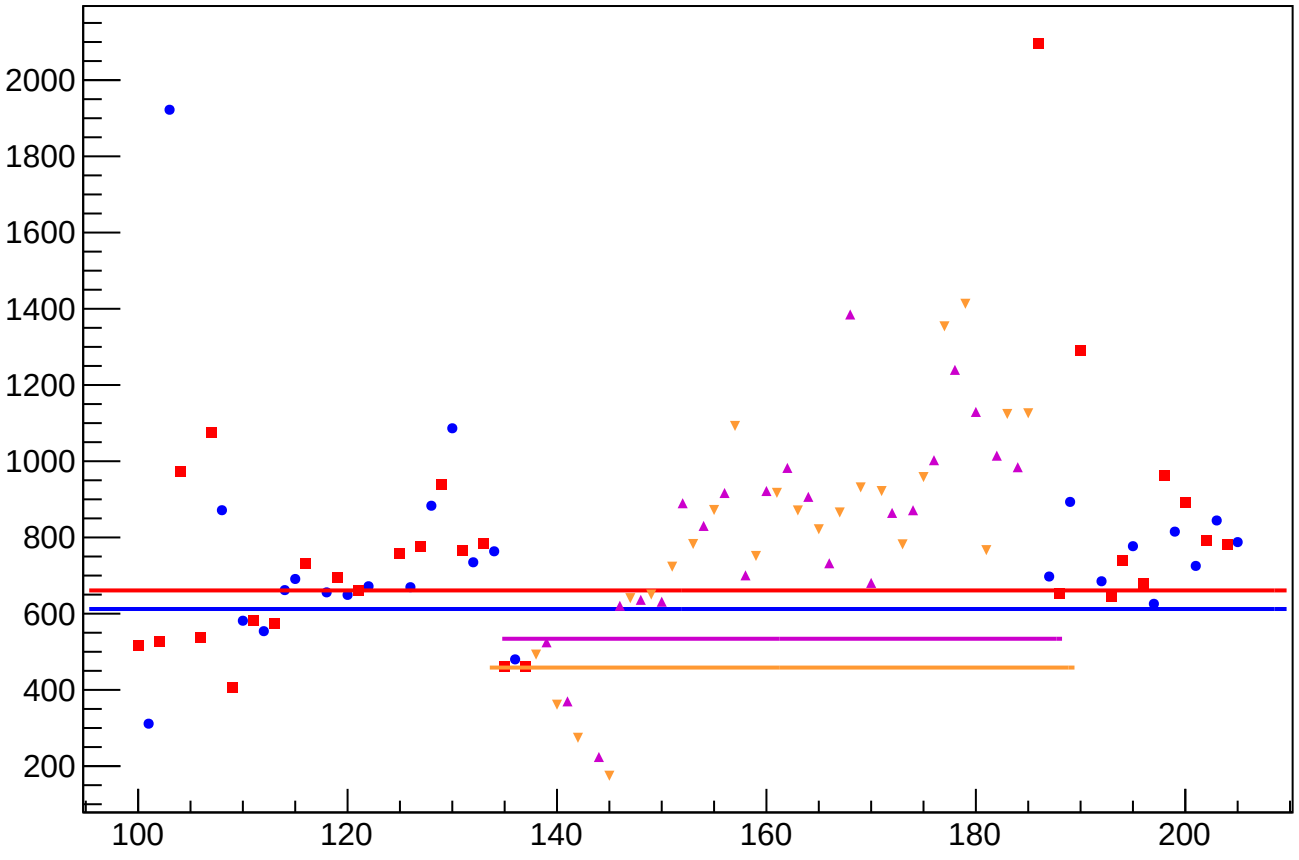
Right Out: 210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 66.371+/-104.765 χ^2/NDF: 47.8/48

All: 41.435+/-76.794 χ^2/NDF: 96.9/99

- sign 12.478+/-112.897 χ^2/NDF: 48.9/50



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

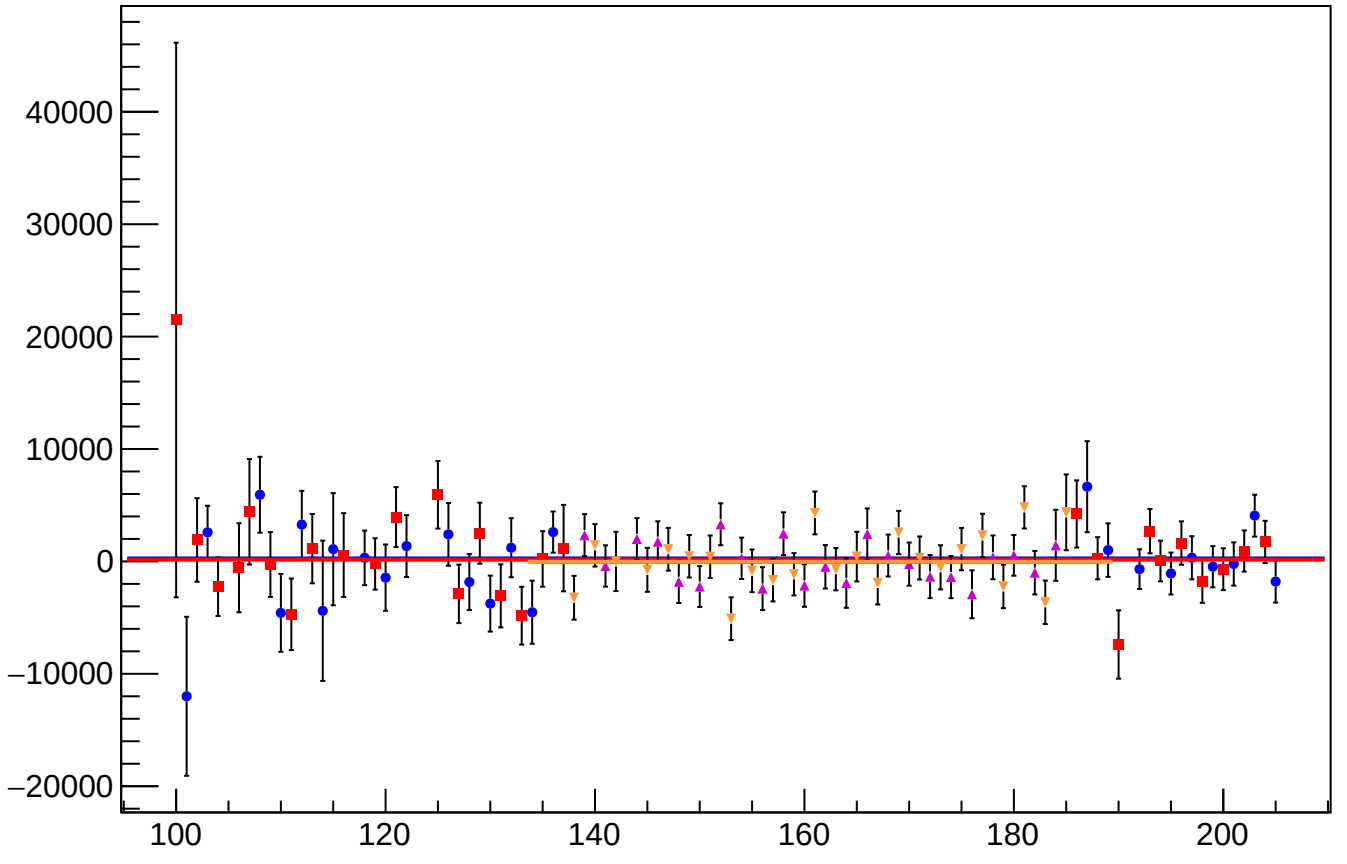
Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 512.536+/-0.074 χ^2/NDF: 15033877.4/48

All: 544.809+/-0.054 χ^2/NDF: 26415953.0/99

- sign 582.286+/-0.080 χ^2/NDF: 10971893.6/50



Right In: 262.520+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 158.959+/-474.321 χ^2/NDF: 30.5/27

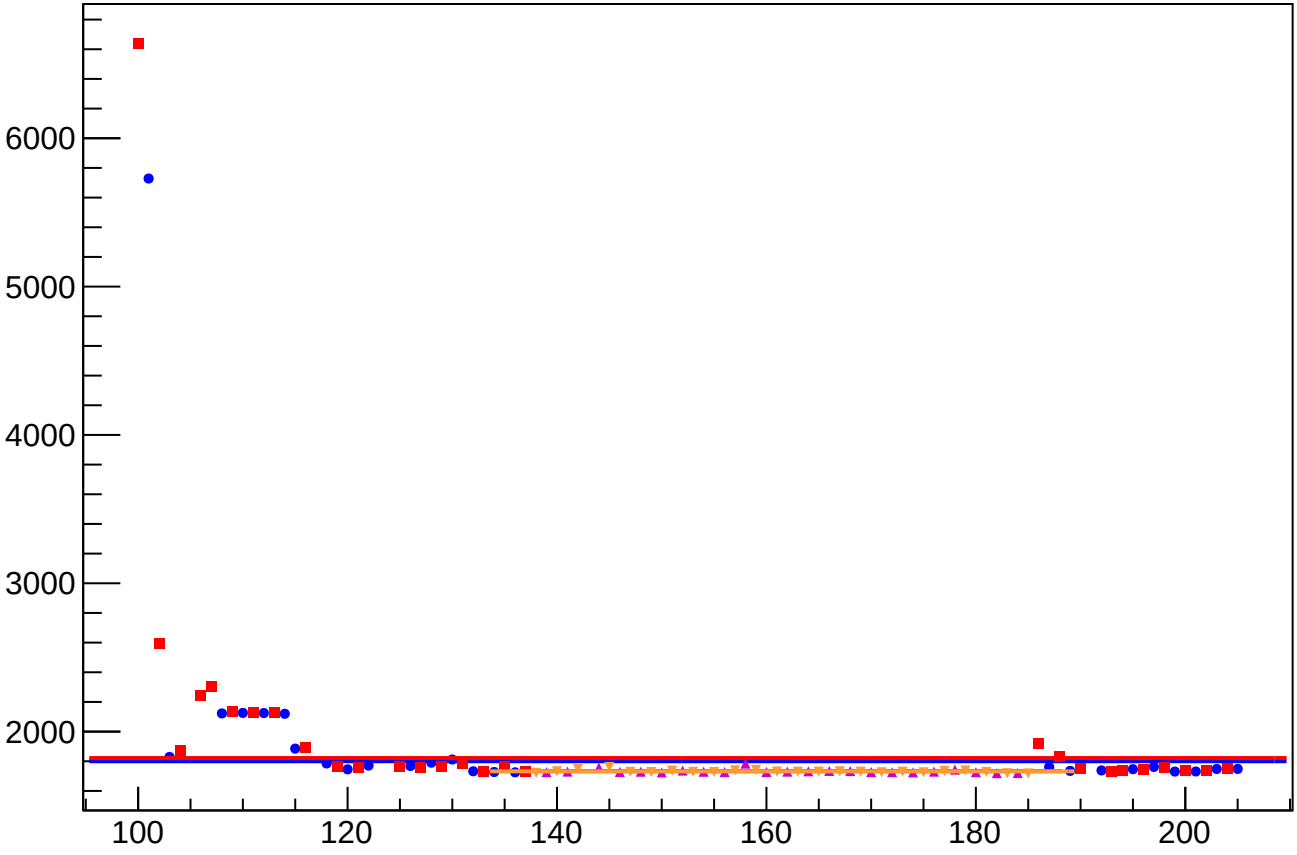
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 86.197+/-309.584 χ^2/NDF: 64.0/48

All: 61.192+/-218.300 χ^2/NDF: 114.1/99

- sign 36.463+/-307.868 χ^2/NDF: 50.1/50

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

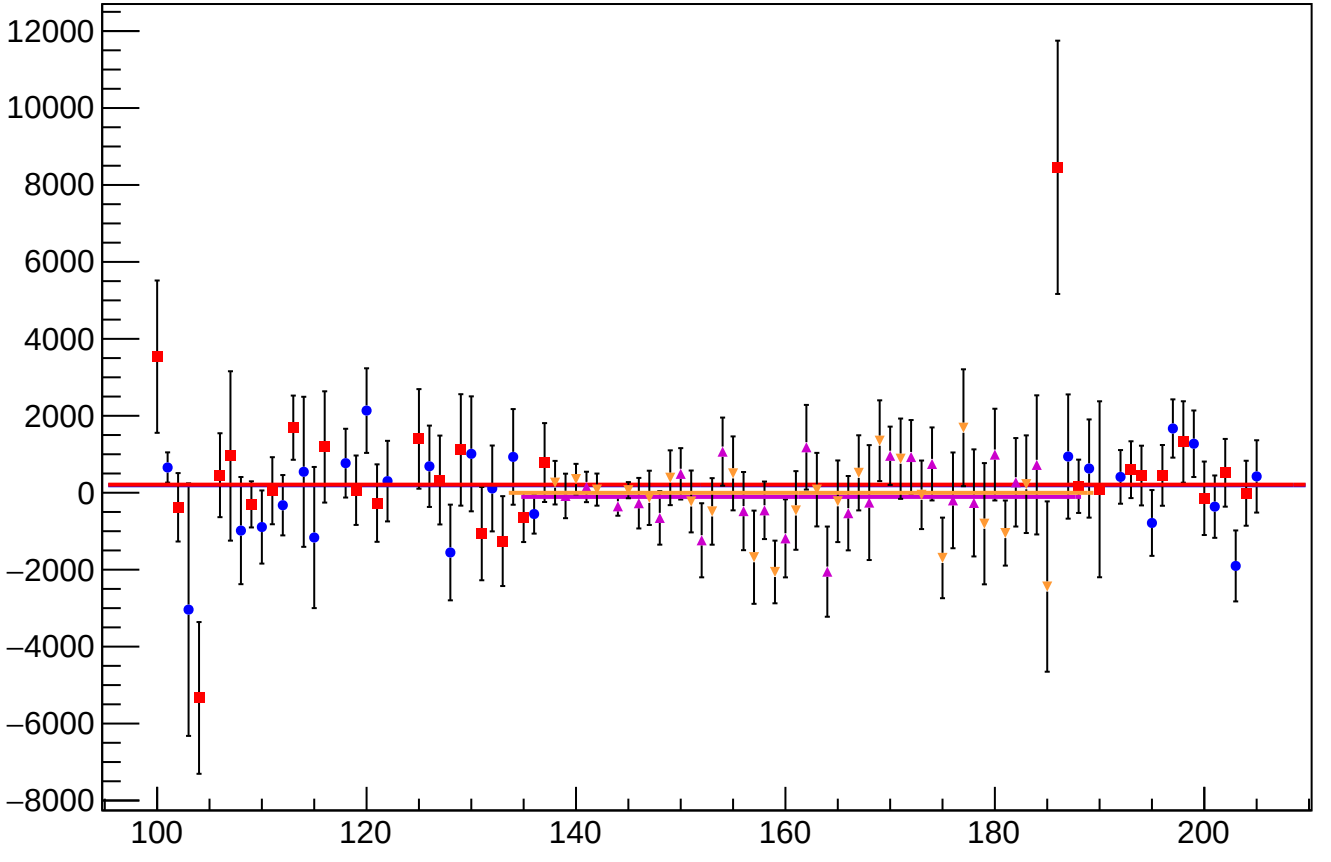
Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.773+/-0.219 χ^2/NDF: 729039.2/48

All: 1765.206+/-0.154 χ^2/NDF: 1081681.5/99

- sign 1770.579+/-0.218 χ^2/NDF: 351417.1/50

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

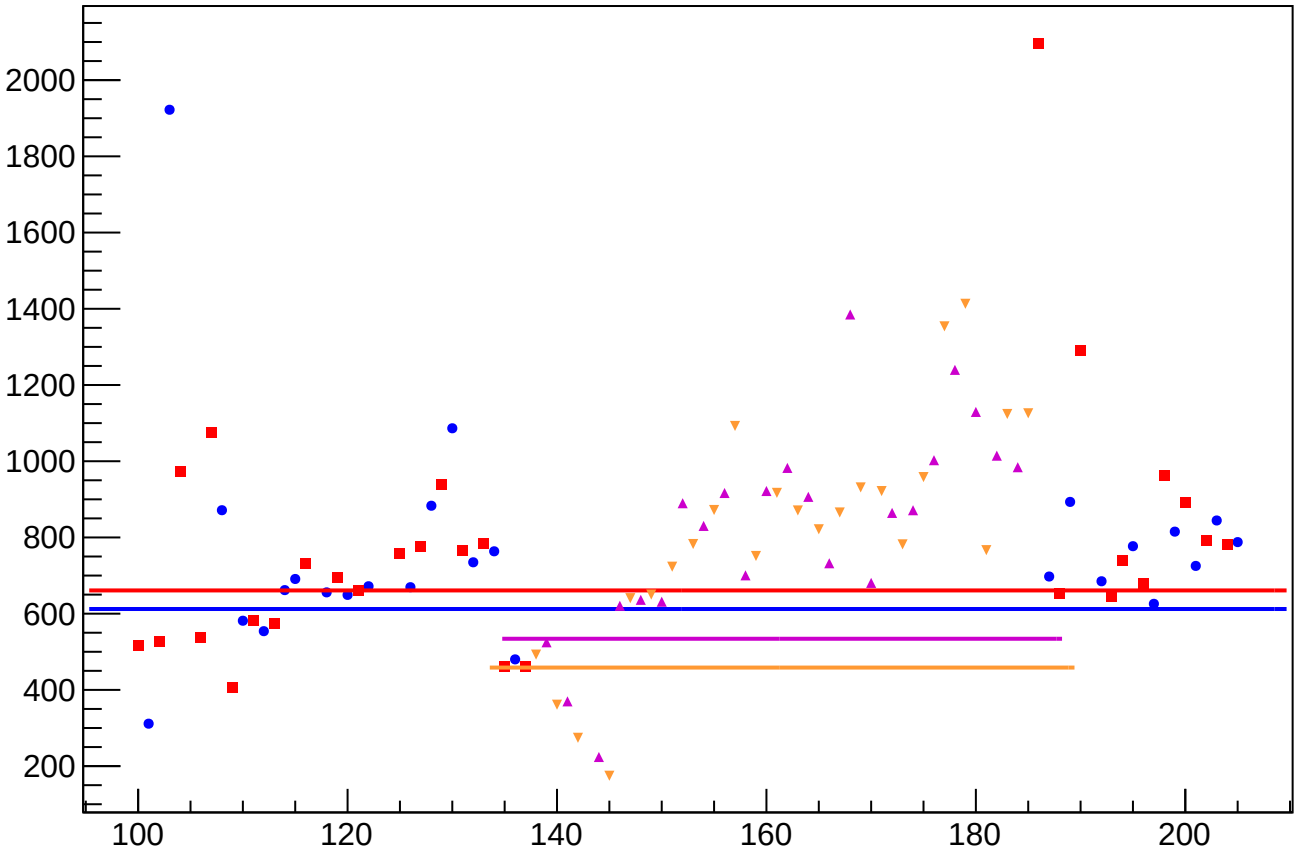
Right Out: 210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 66.371+/-104.765 χ^2/NDF: 47.8/48

All: 41.435+/-76.794 χ^2/NDF: 96.9/99

- sign 12.478+/-112.897 χ^2/NDF: 48.9/50



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

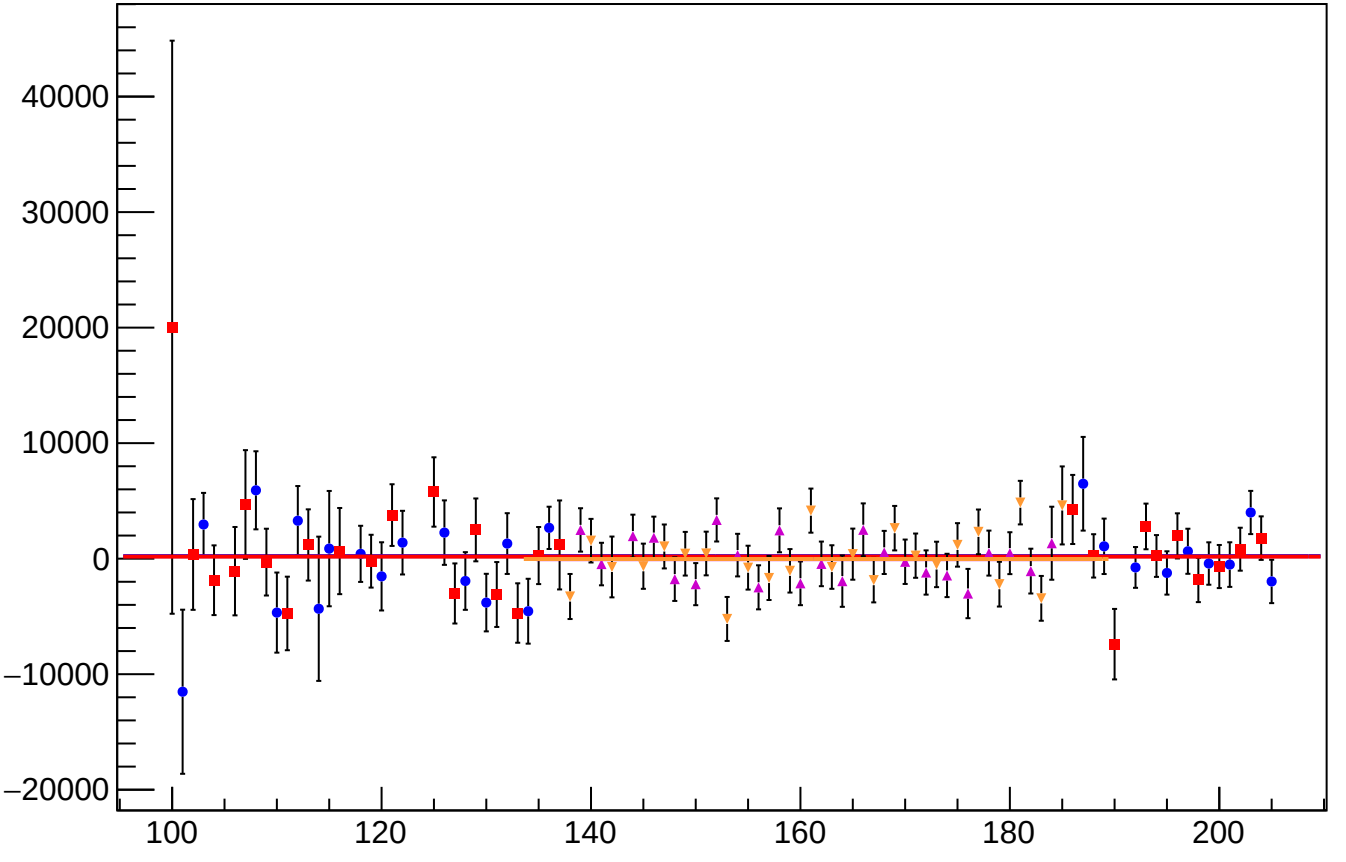
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 512.536+/-0.074 χ^2/NDF: 15033877.4/48

All: 544.809+/-0.054 χ^2/NDF: 26415953.0/99

- sign 582.286+/-0.080 χ^2/NDF: 10971893.6/50

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 218.734+/-489.465 χ^2/NDF: 28.6/24

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 179.480+/-479.194 χ^2/NDF: 30.0/27

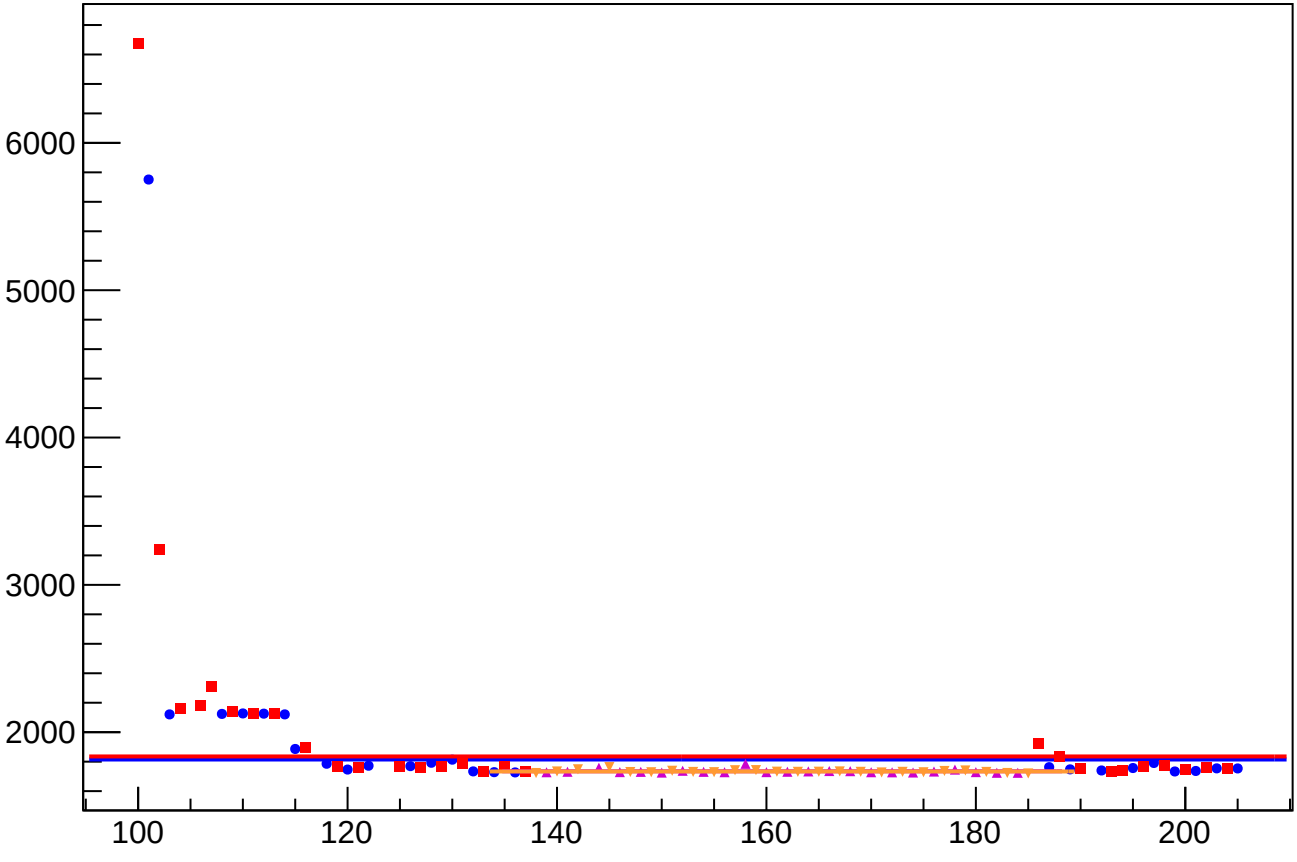
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 70.655+/-310.801 χ^2/NDF: 64.2/48

All: 60.293+/-219.253 χ^2/NDF: 114.2/99

- sign 50.028+/-309.345 χ^2/NDF: 50.0/50

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.5/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

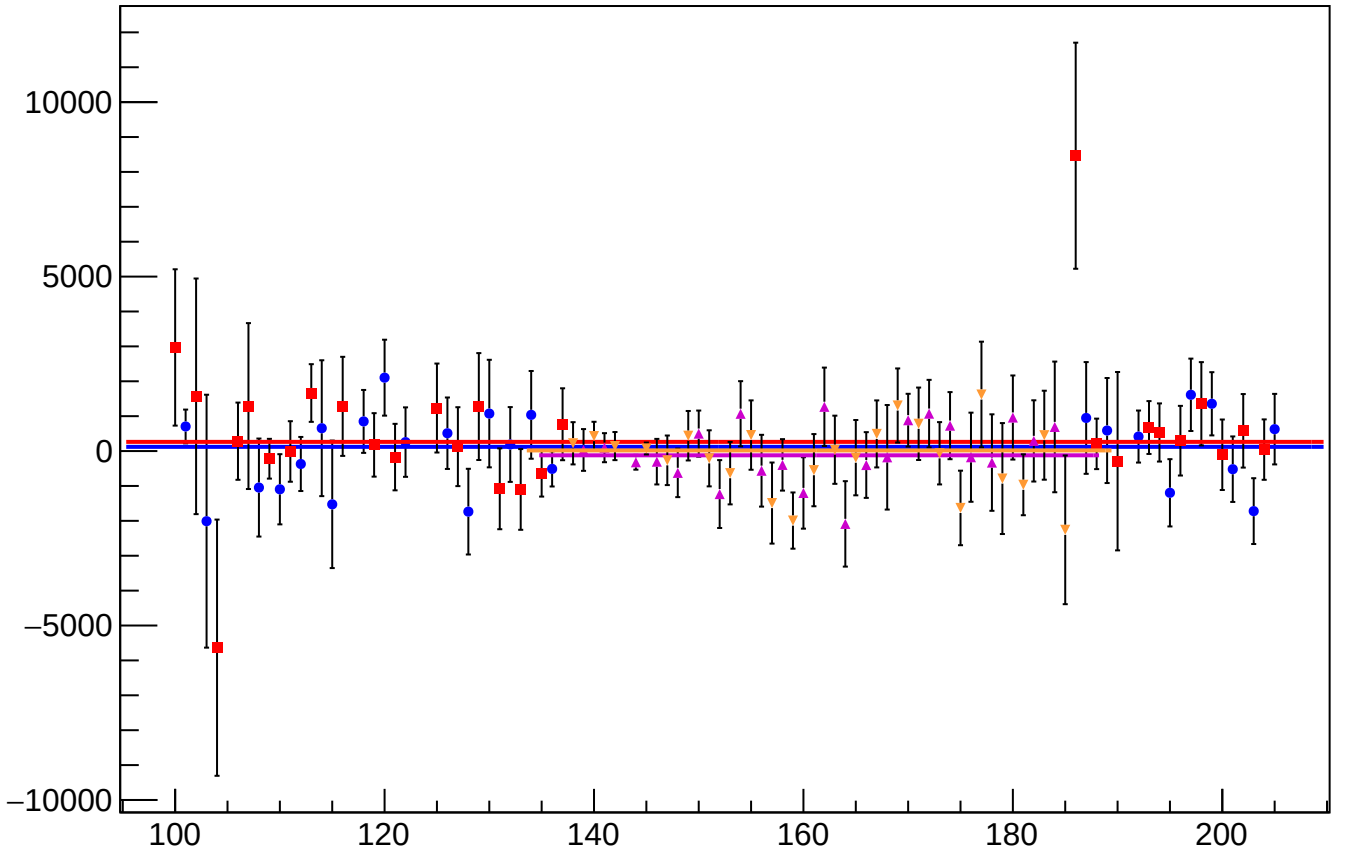
Right Out: 1835.367+/-0.339 χ^2/NDF: 409633.6/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.210+/-0.220 χ^2/NDF: 762581.7/48

All: 1771.488+/-0.155 χ^2/NDF: 1226907.7/99

- sign 1776.716+/-0.219 χ^2/NDF: 463178.1/50



Right In: 120.649+/-189.944 χ^2/NDF: 25.0/24

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

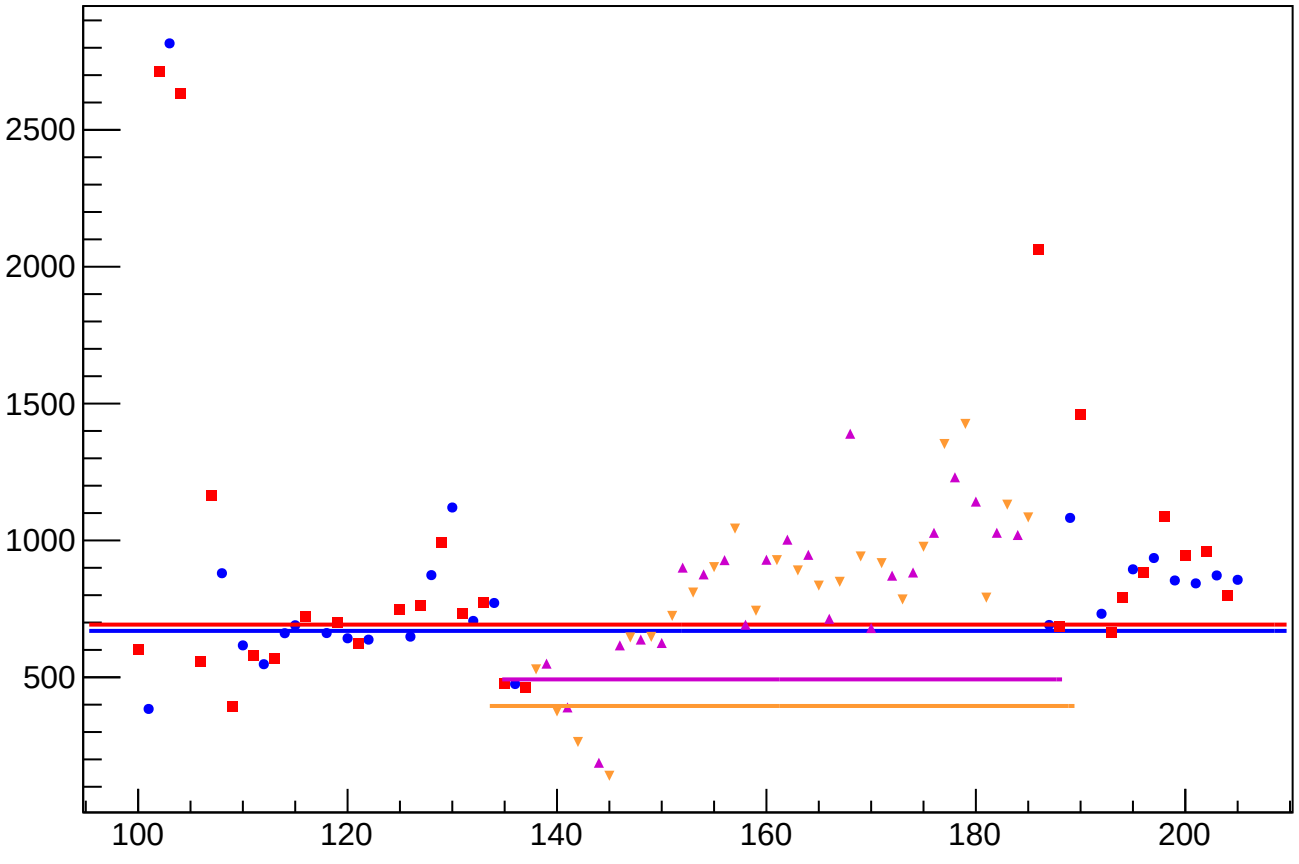
Right Out: 263.470+/-193.182 χ^2/NDF: 22.6/27

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

\+ sign 47.069+/-101.046 χ^2/NDF: 44.6/48

All: 29.228+/-74.974 χ^2/NDF: 86.4/99

\- sign 7.374+/-111.832 χ^2/NDF: 41.7/50



Right In: 669.499+/-0.134 χ^2/NDF: 2754941.5/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

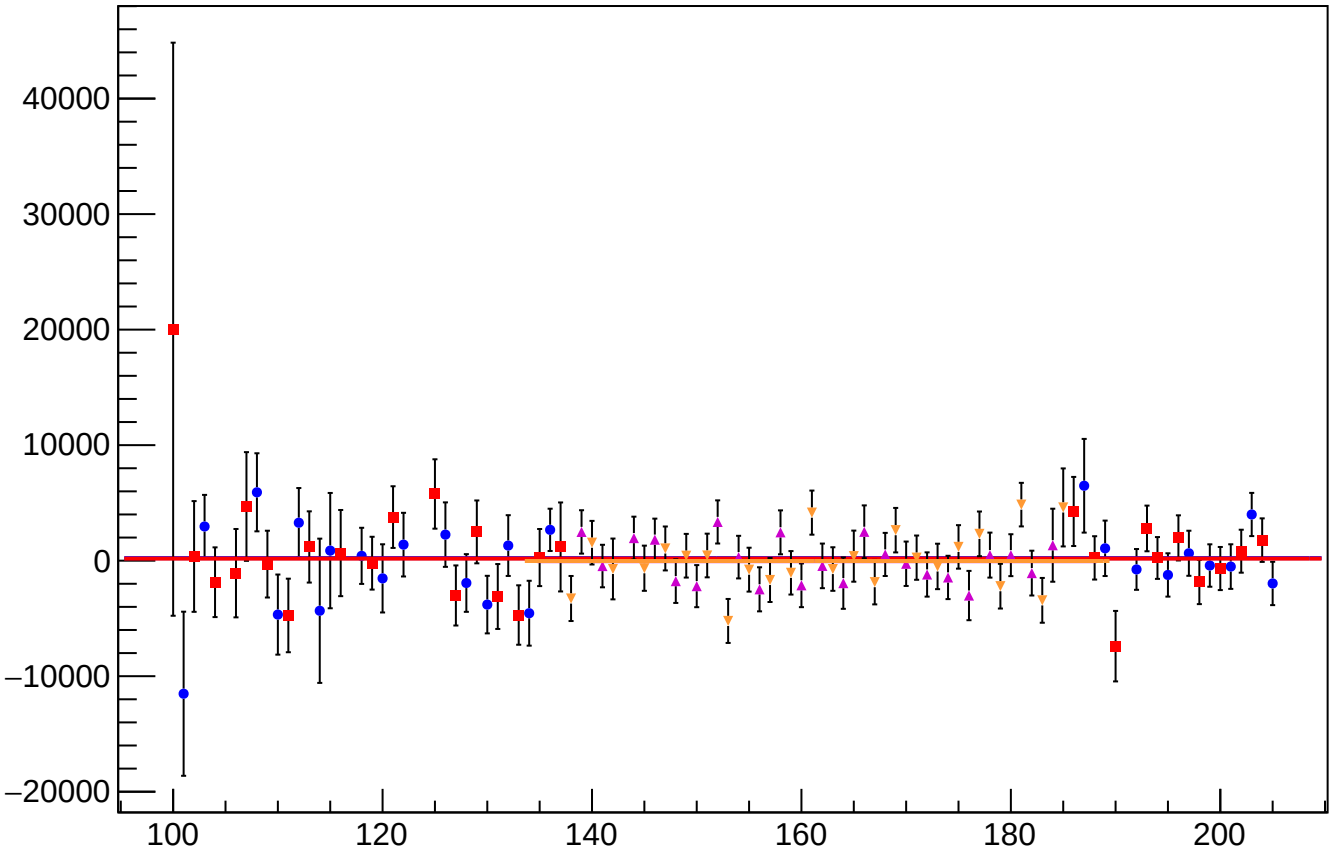
Right Out: 692.476+/-0.137 χ^2/NDF: 3588425.4/27

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 472.819+/-0.071 χ^2/NDF: 20080141.5/48

All: 511.724+/-0.053 χ^2/NDF: 36175603.0/99

- sign 559.379+/-0.079 χ^2/NDF: 15435799.2/50



Right In: 218.734+/-489.465 χ^2/NDF: 28.6/24

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 179.480+/-479.194 χ^2/NDF: 30.0/27

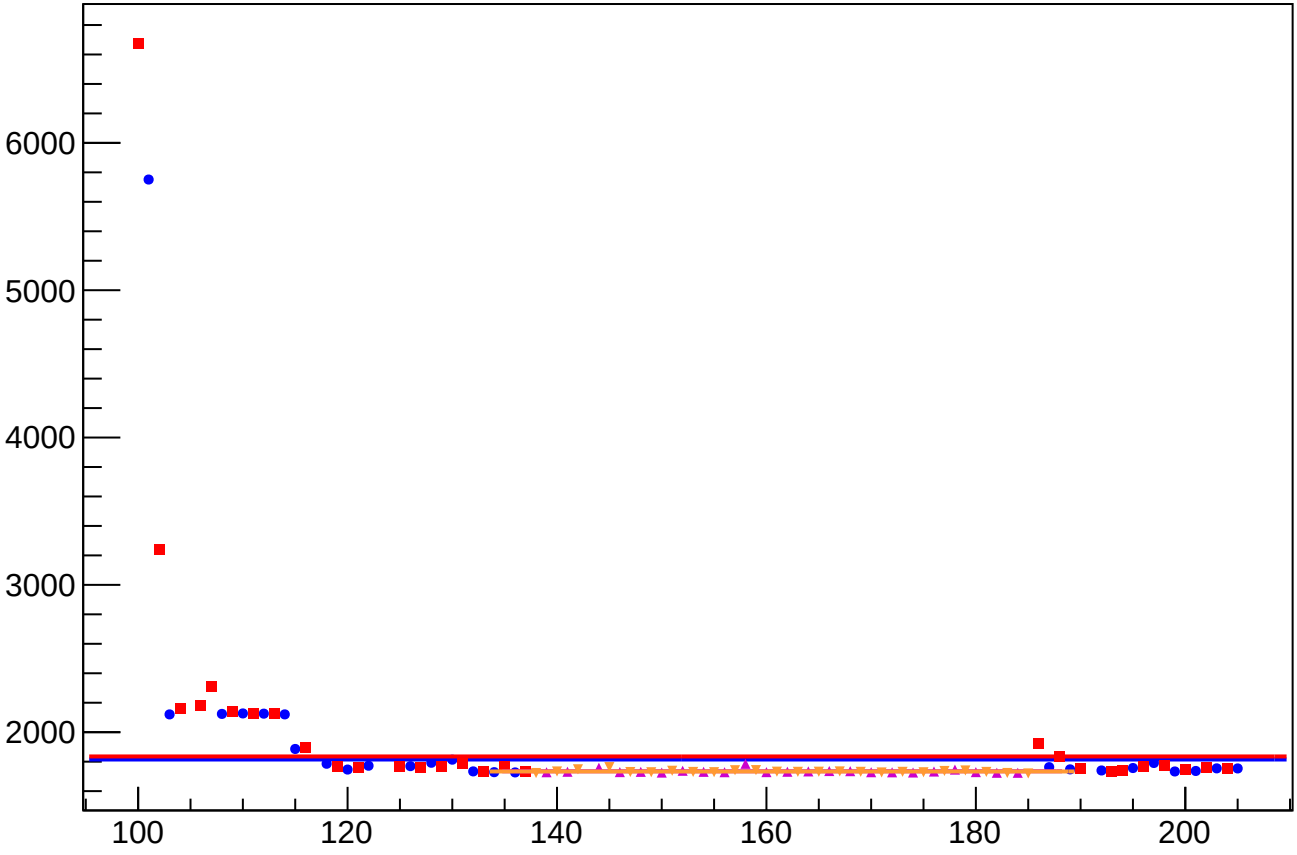
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 70.653+/-310.801 χ^2/NDF: 64.2/48

All: 60.292+/-219.253 χ^2/NDF: 114.2/99

- sign 50.028+/-309.345 χ^2/NDF: 50.0/50

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.1/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

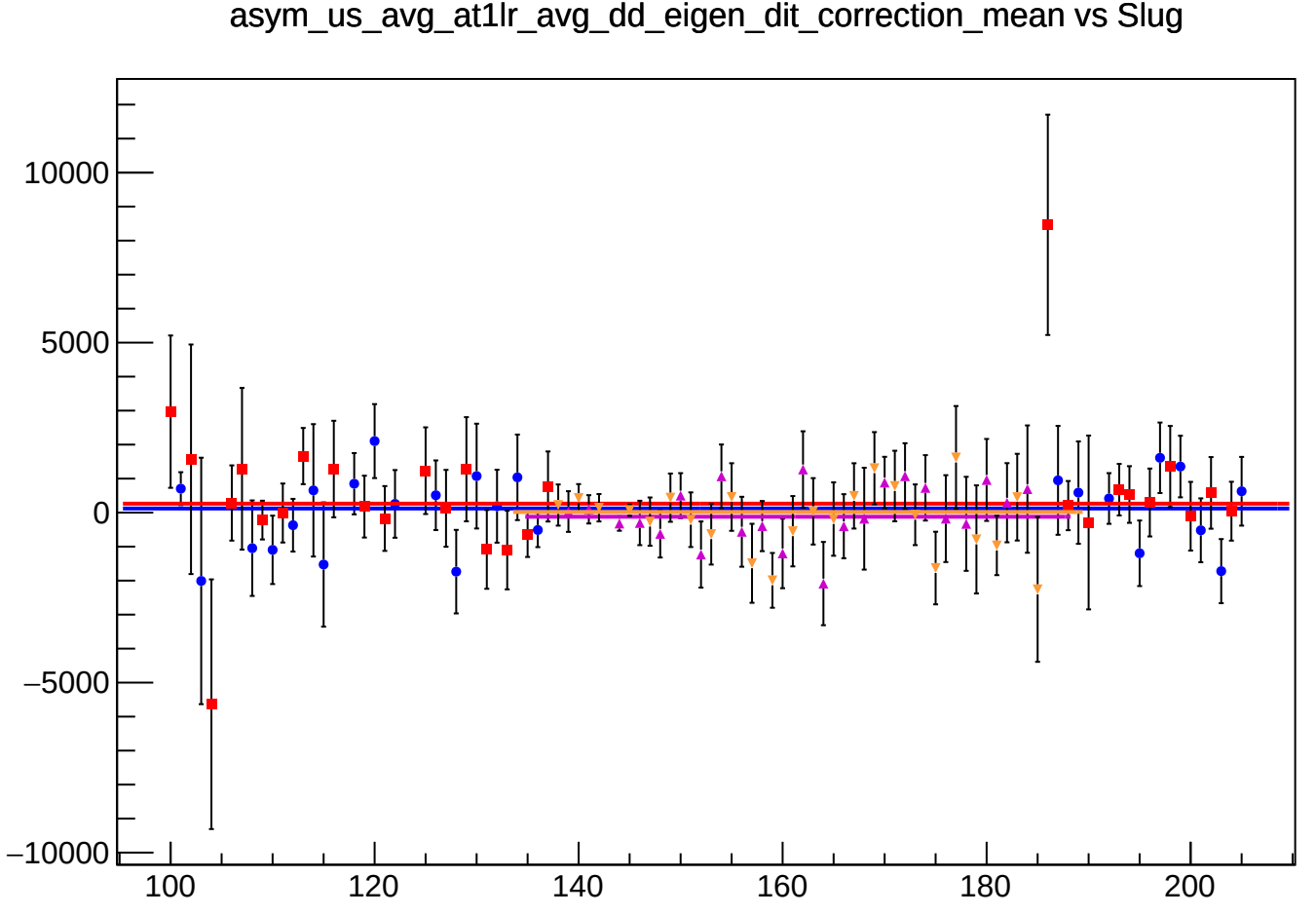
Right Out: 1835.367+/-0.339 χ^2/NDF: 409632.7/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.210+/-0.220 χ^2/NDF: 762581.3/48

All: 1771.488+/-0.155 χ^2/NDF: 1226906.4/99

- sign 1776.716+/-0.219 χ^2/NDF: 463177.2/50



Right In: 120.648+/-189.943 χ^2/NDF: 25.0/24

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

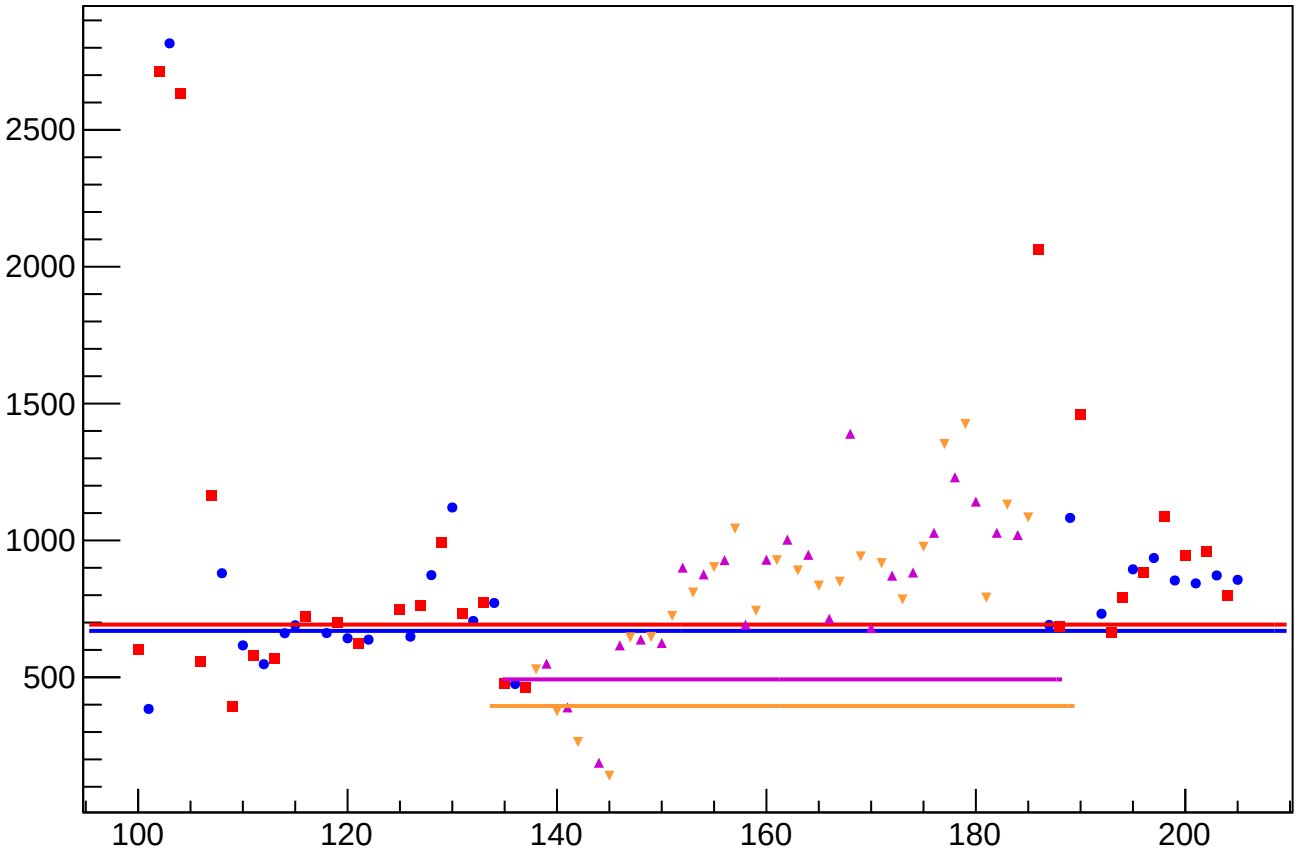
Right Out: 263.468+/-193.181 χ^2/NDF: 22.6/27

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

\+ sign 47.068+/-101.046 χ^2/NDF: 44.6/48

All: 29.227+/-74.974 χ^2/NDF: 86.4/99

\- sign 7.374+/-111.832 χ^2/NDF: 41.7/50



Right In: 669.498+/-0.134 χ^2/NDF: 2754954.1/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 692.473+/-0.137 χ^2/NDF: 3588471.5/27

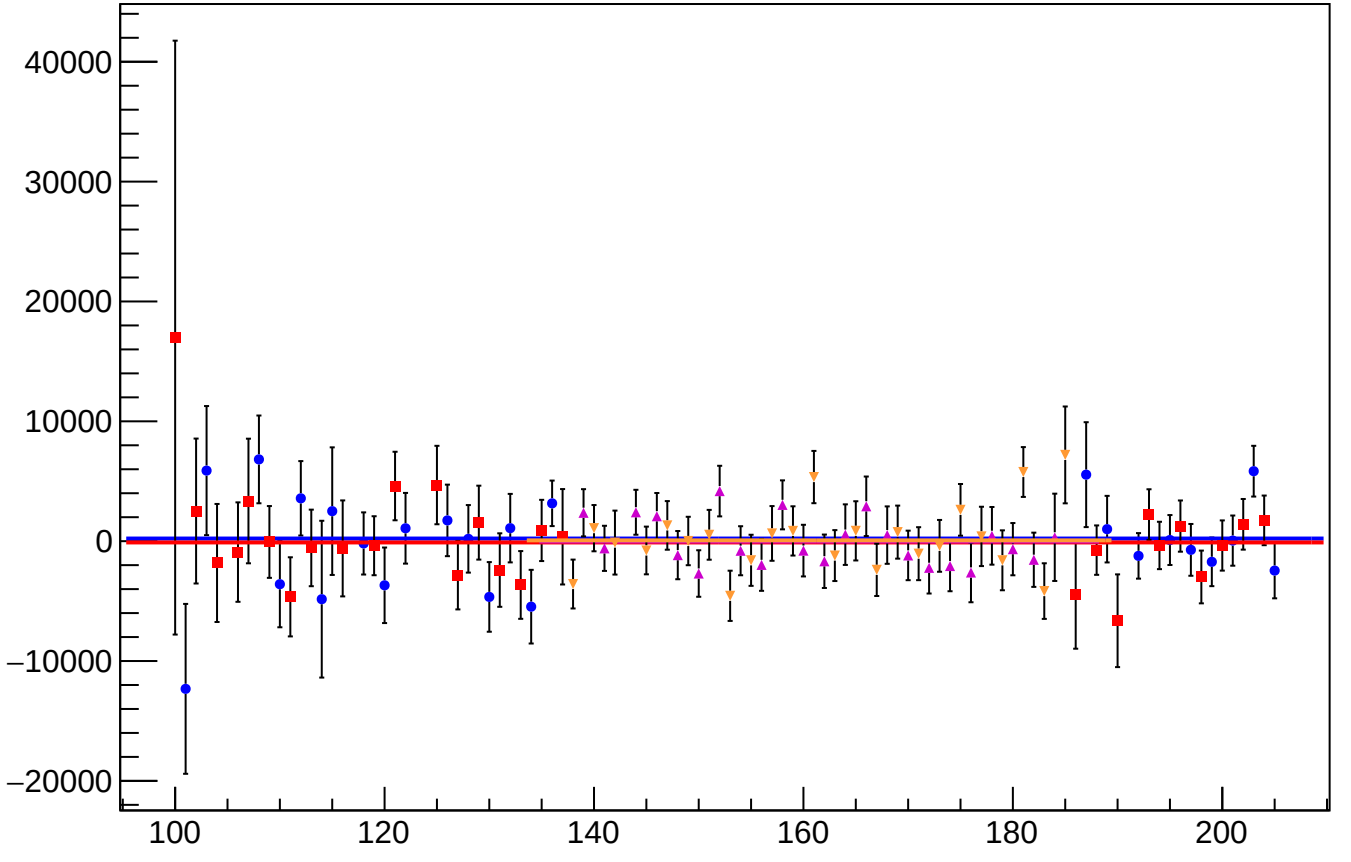
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 472.819+/-0.071 χ^2/NDF: 20080170.7/48

All: 511.724+/-0.053 χ^2/NDF: 36175644.5/99

- sign 559.379+/-0.079 χ^2/NDF: 15435813.7/50

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 219.263+/-543.926 χ^2/NDF: 32.8/24

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -105.687+/-532.372 χ^2/NDF: 20.1/27

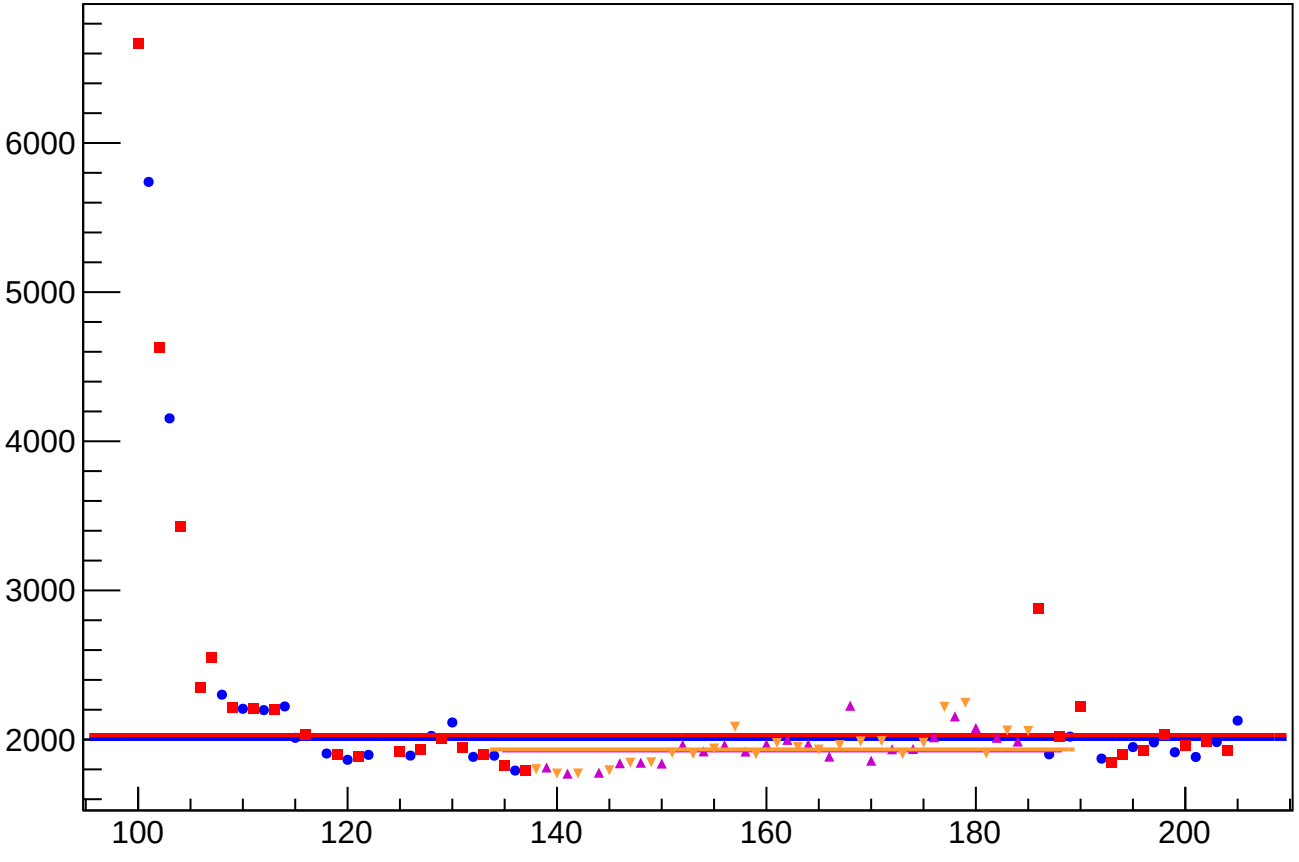
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 128.628+/-346.609 χ^2/NDF: 66.5/48

All: 34.095+/-244.165 χ^2/NDF: 106.7/99

- sign -59.026+/-344.009 χ^2/NDF: 40.1/50

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2004.116+/-0.385 χ^2/NDF: 978435.3/24

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

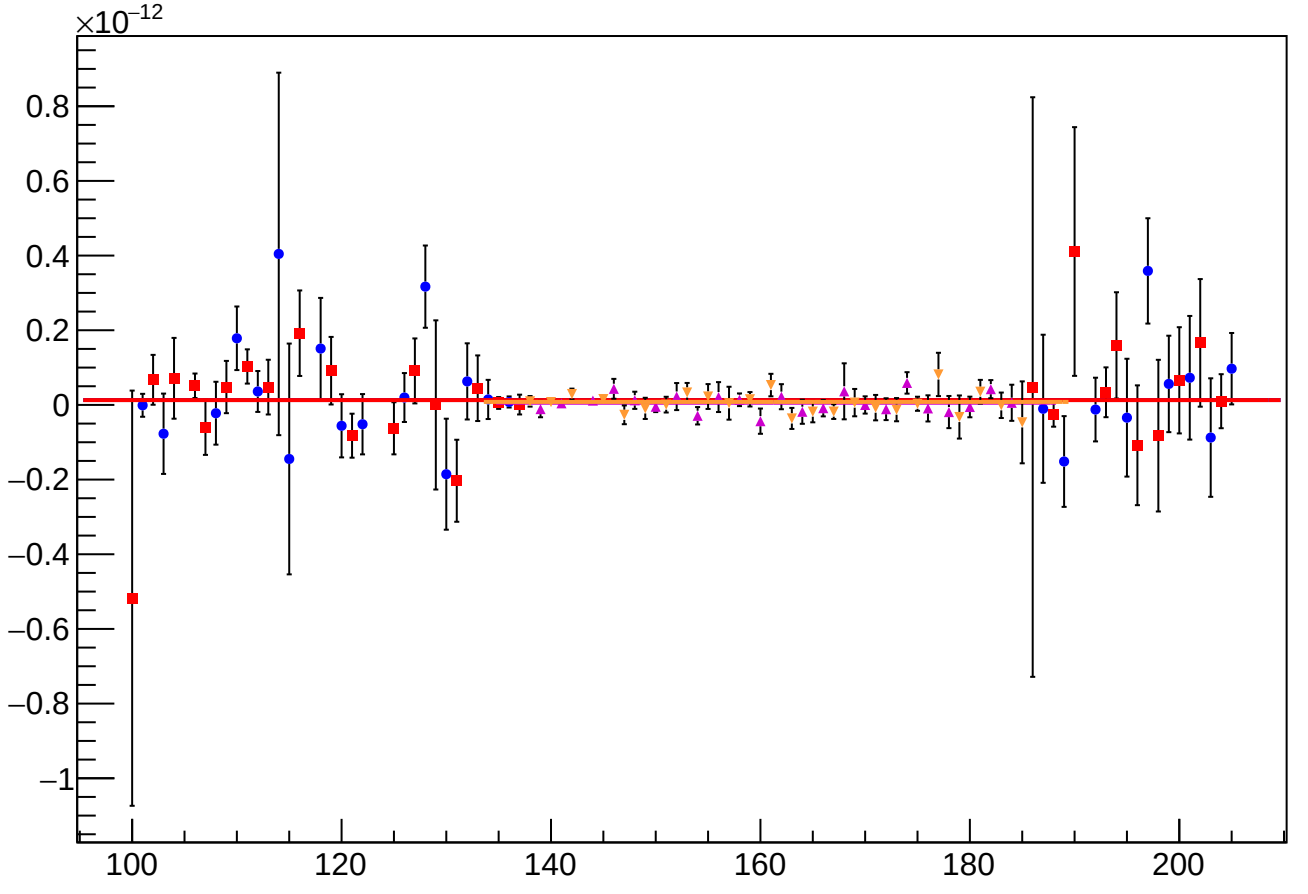
Right Out: 2030.773+/-0.376 χ^2/NDF: 805558.5/27

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

\+ sign 1962.356+/-0.245 χ^2/NDF: 1126816.0/48

All: 1966.410+/-0.173 χ^2/NDF: 2093508.6/99

\- sign 1970.403+/-0.243 χ^2/NDF: 966149.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

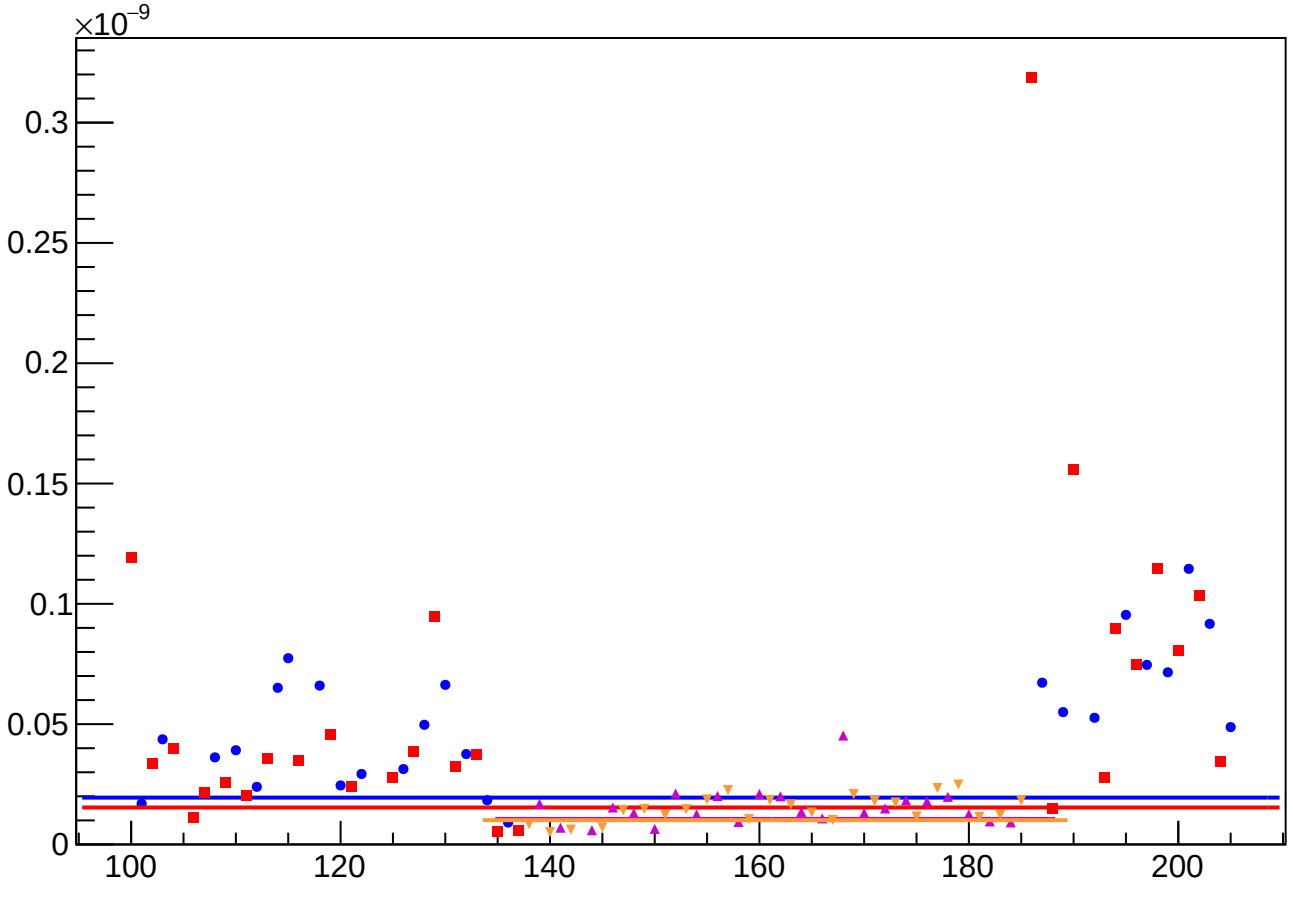
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/27

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/48

All: 0.000+/-0.000 χ^2/NDF: 88.9/99

- sign 0.000+/-0.000 χ^2/NDF: 43.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 5070562.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

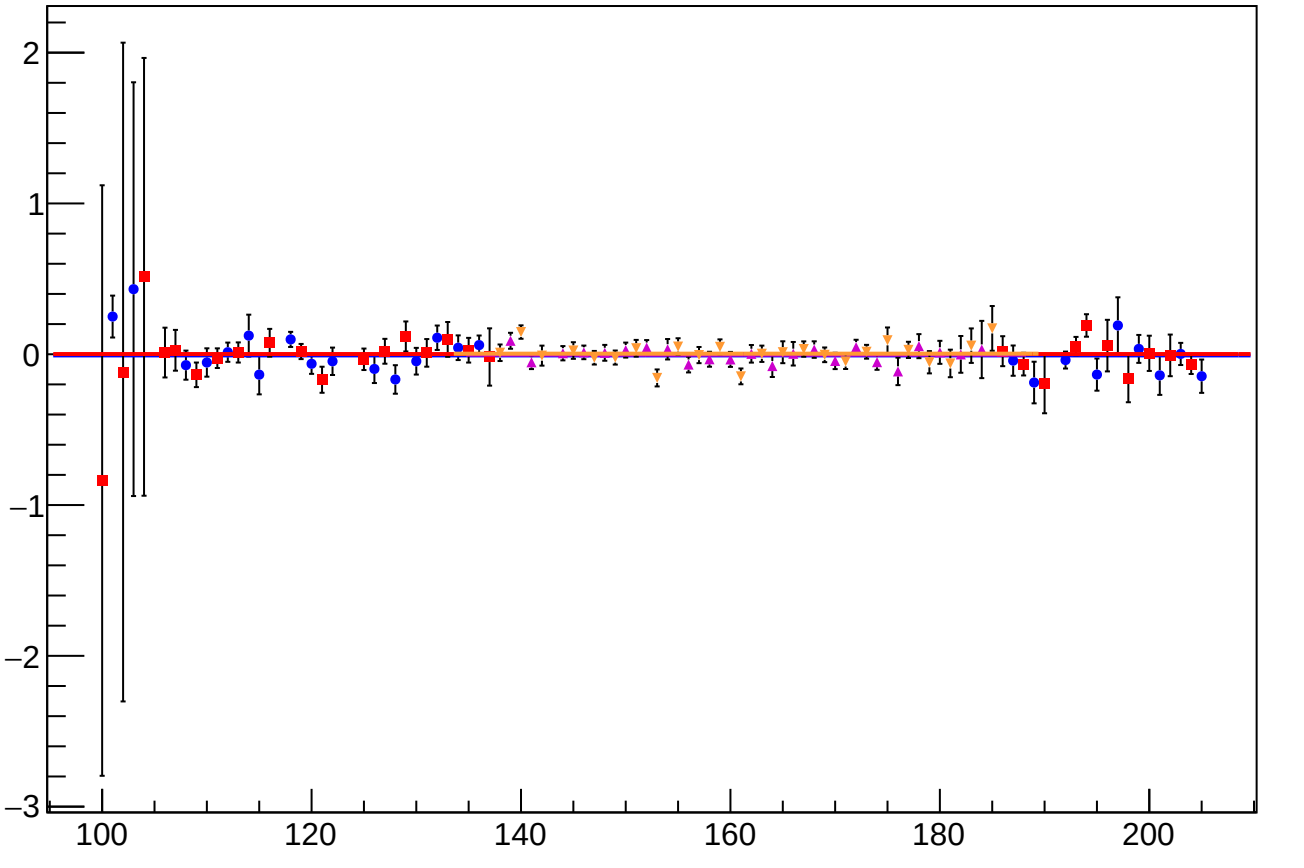
Right Out: 0.000+/-0.000 χ^2/NDF: 5722231.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8570505.2/48

All: 0.000+/-0.000 χ^2/NDF: 17262128.1/99

- sign 0.000+/-0.000 χ^2/NDF: 8691145.6/50



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

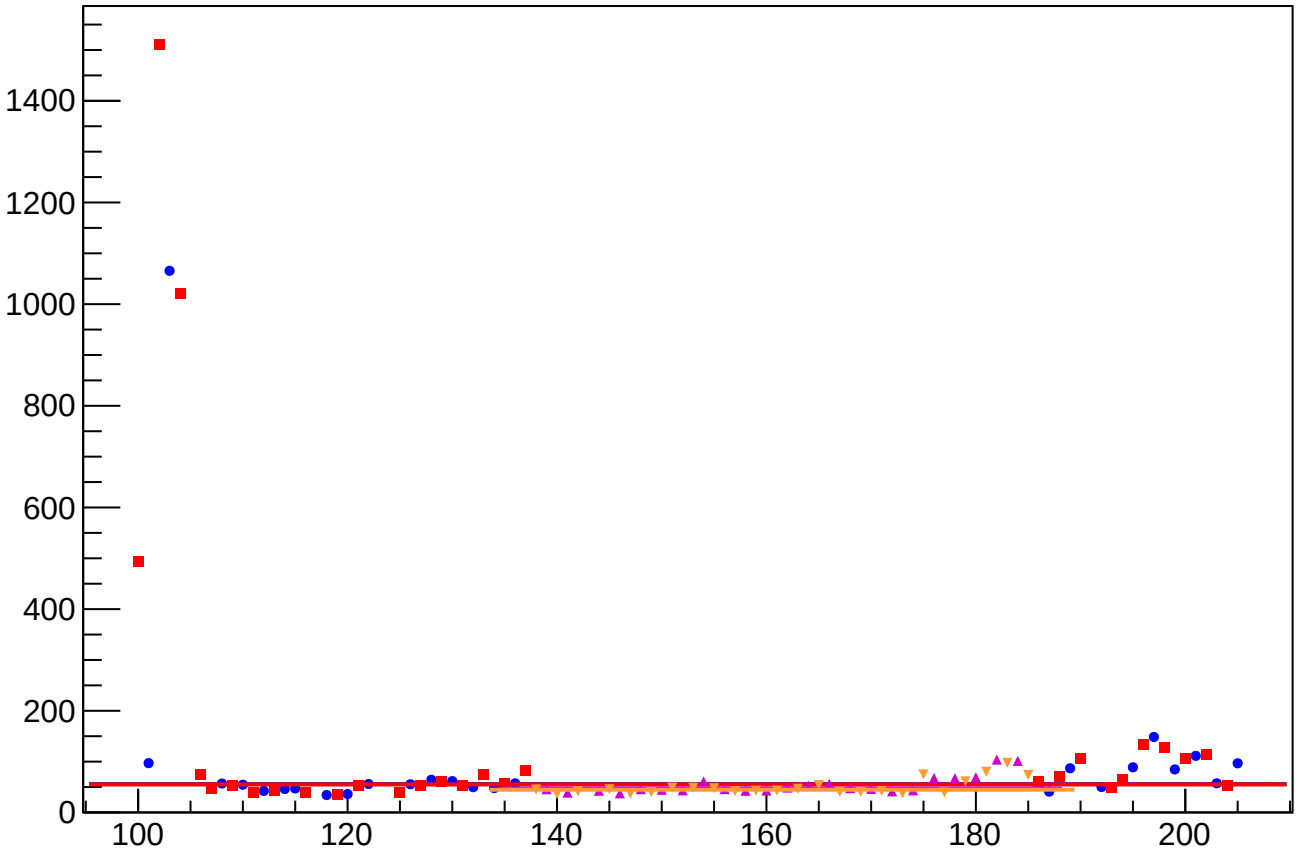
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.001+/-0.007 χ^2/NDF: 98.5/99

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

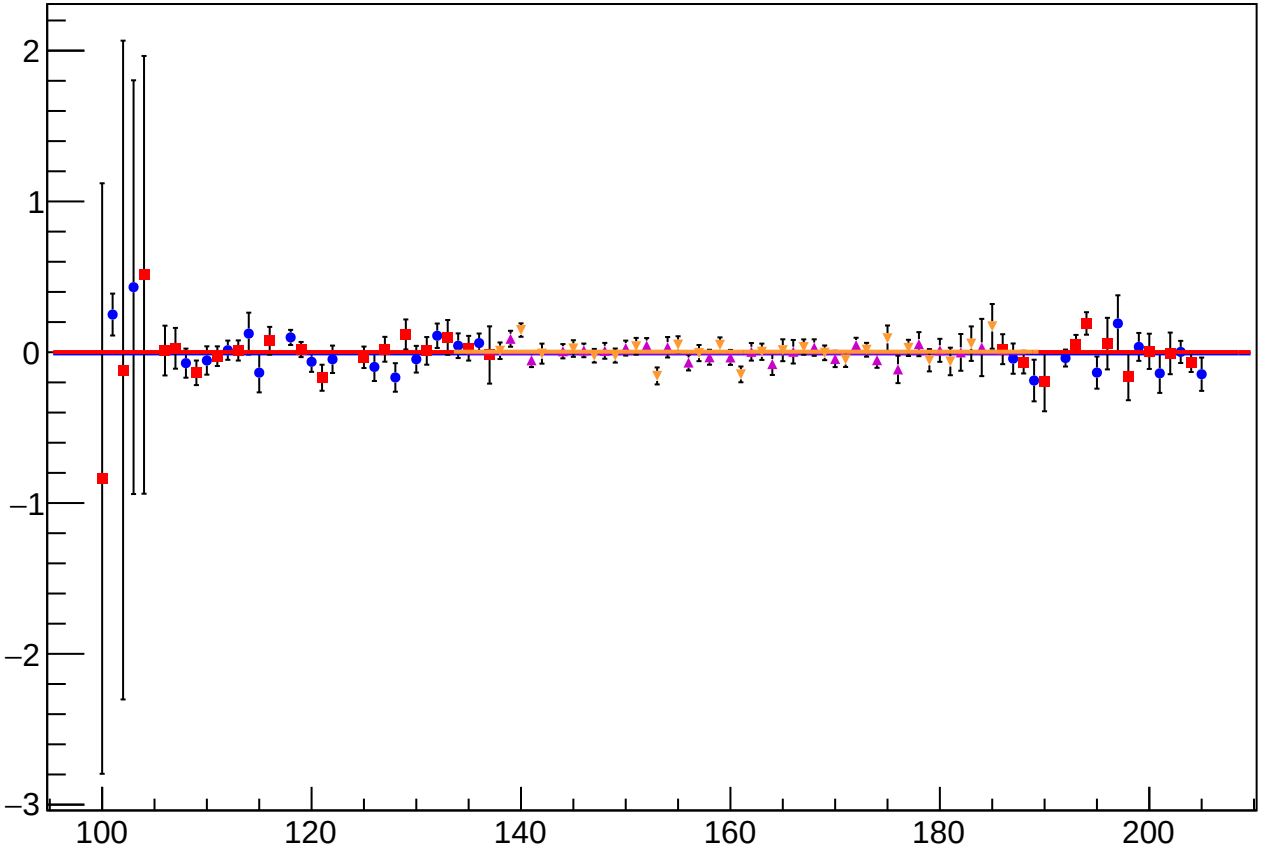
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684298.6/48

All: 48.859+/-0.005 χ^2/NDF: 11936613.3/99

- sign 49.699+/-0.007 χ^2/NDF: 6223661.2/50

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

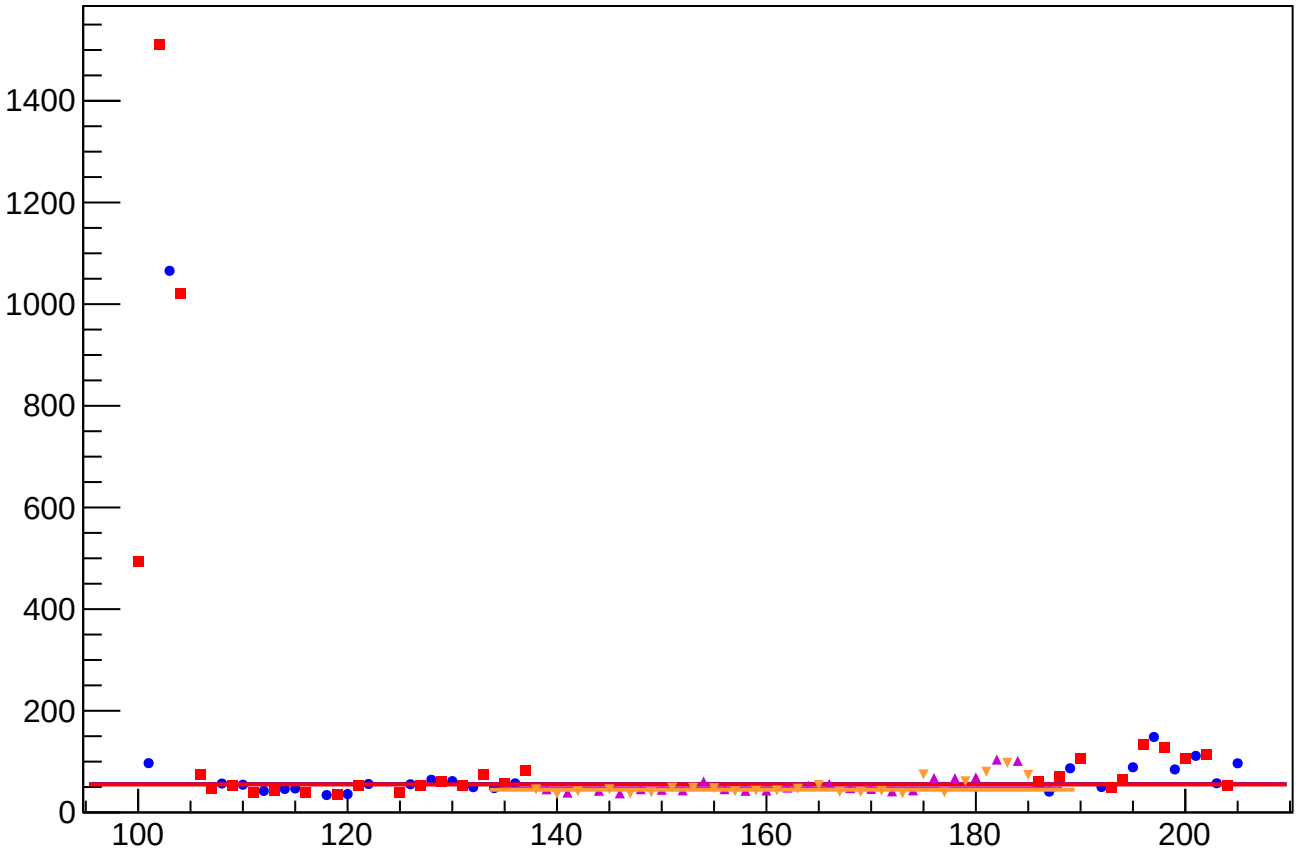
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.001+/-0.007 χ^2/NDF: 98.5/99

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

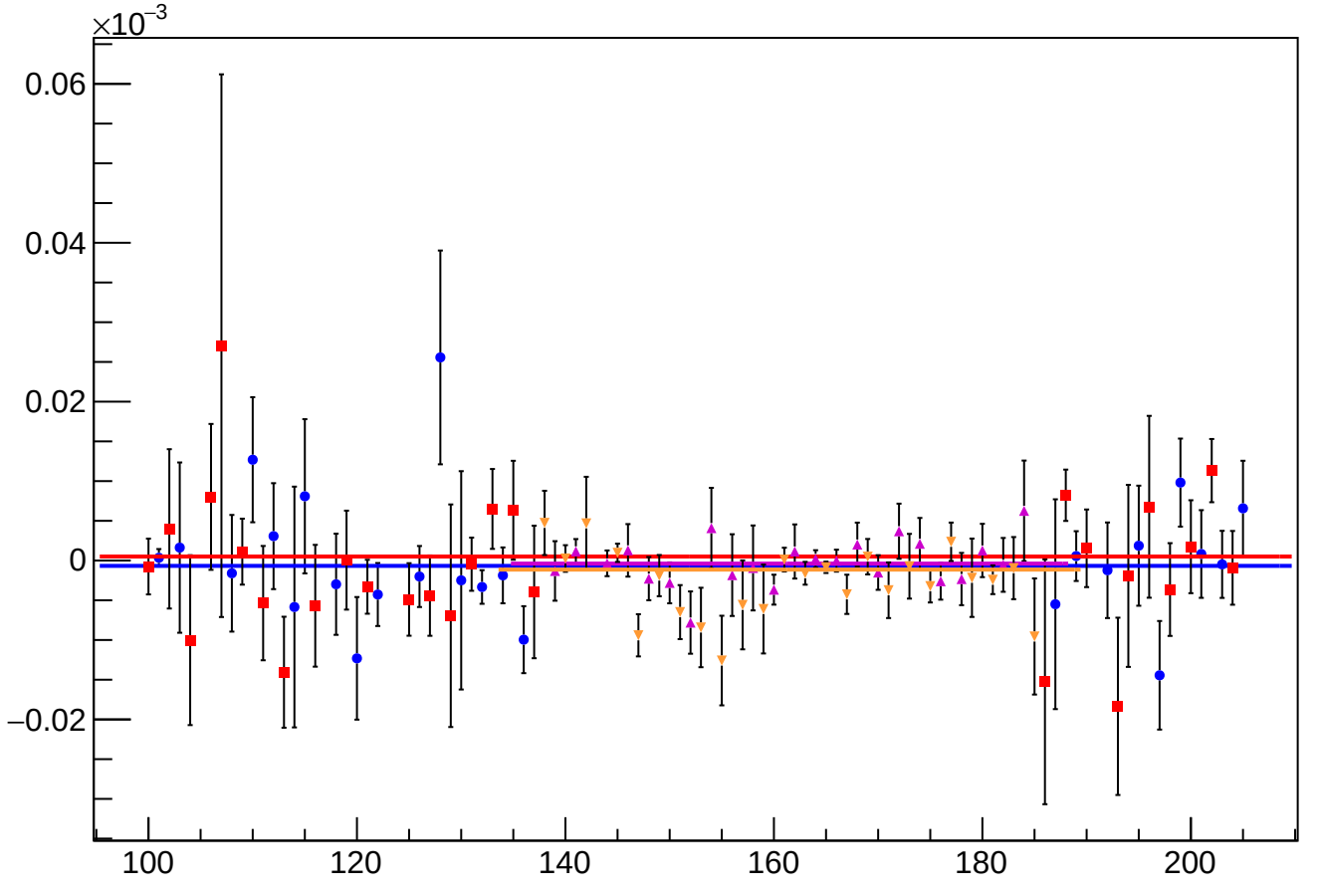
Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684298.6/48

All: 48.859+/-0.005 χ^2/NDF: 11936613.3/99

- sign 49.699+/-0.007 χ^2/NDF: 6223661.2/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

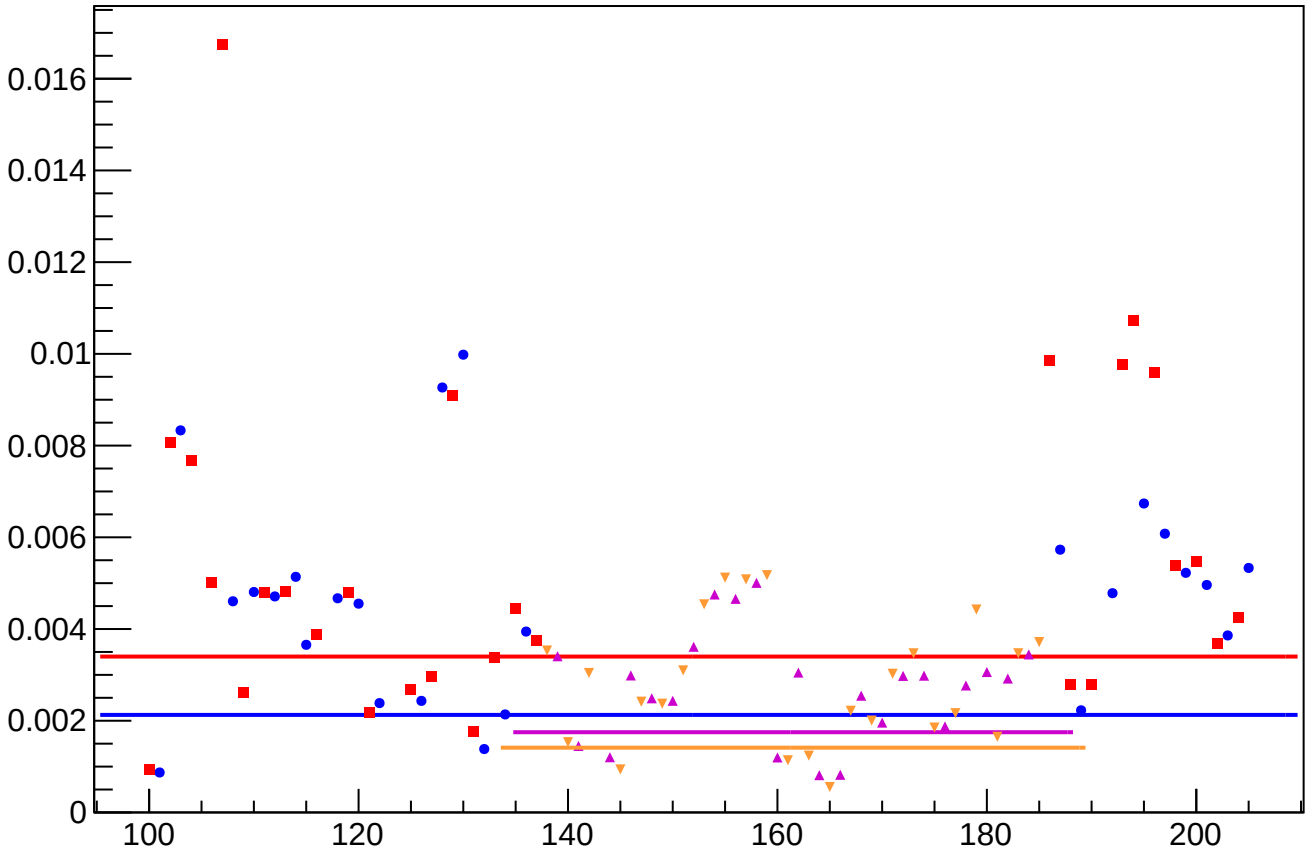
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/27

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.4/48

All: -0.000+/-0.000 χ^2/NDF: 116.1/99

- sign -0.000+/-0.000 χ^2/NDF: 49.7/50



Right In: 0.002+/-0.000 χ^2/NDF: 10557251.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

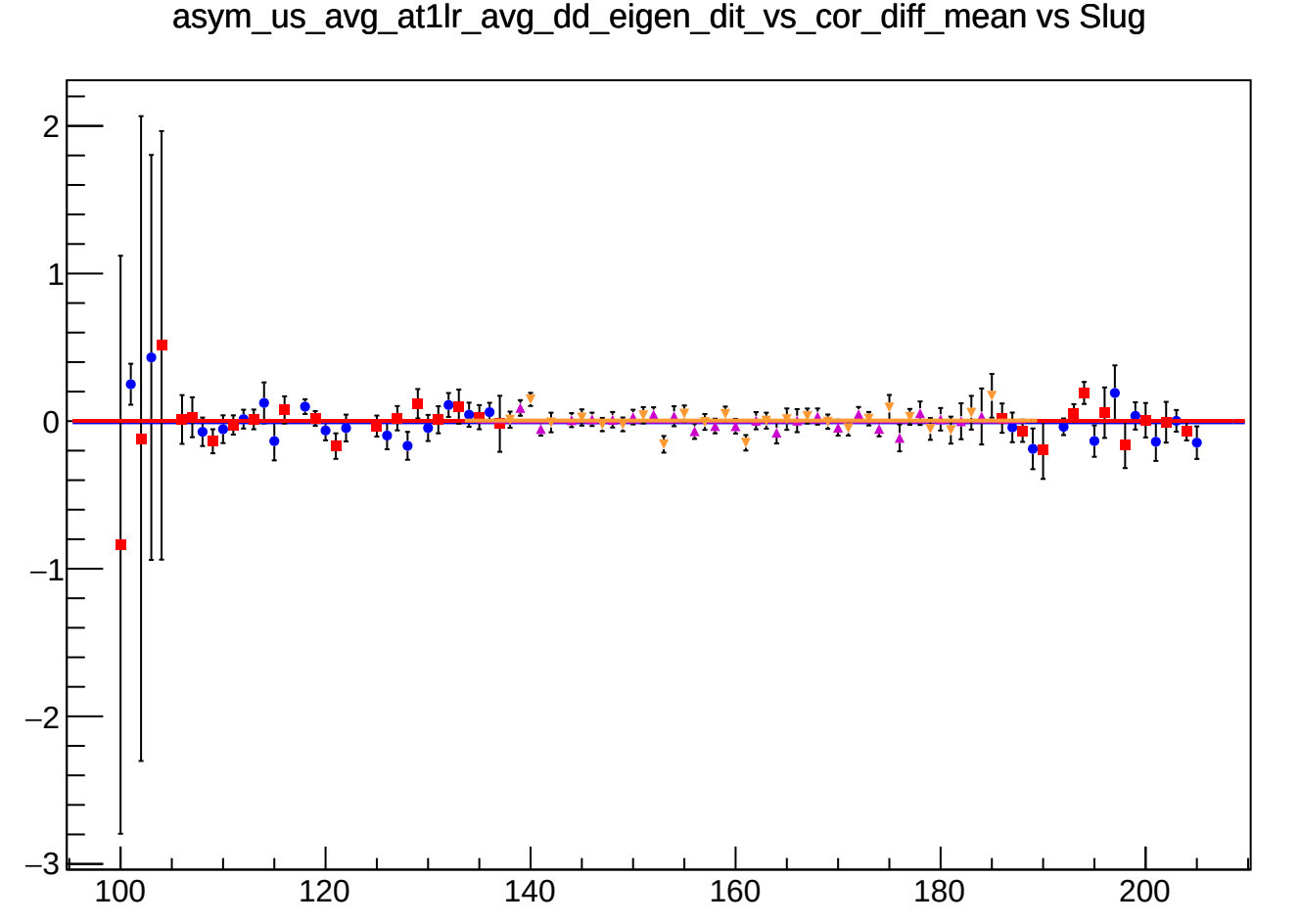
Right Out: 0.003+/-0.000 χ^2/NDF: 6690935.6/27

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 23540886.9/48

All: 0.002+/-0.000 χ^2/NDF: 44012926.7/99

- sign 0.002+/-0.000 χ^2/NDF: 19083016.5/50



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

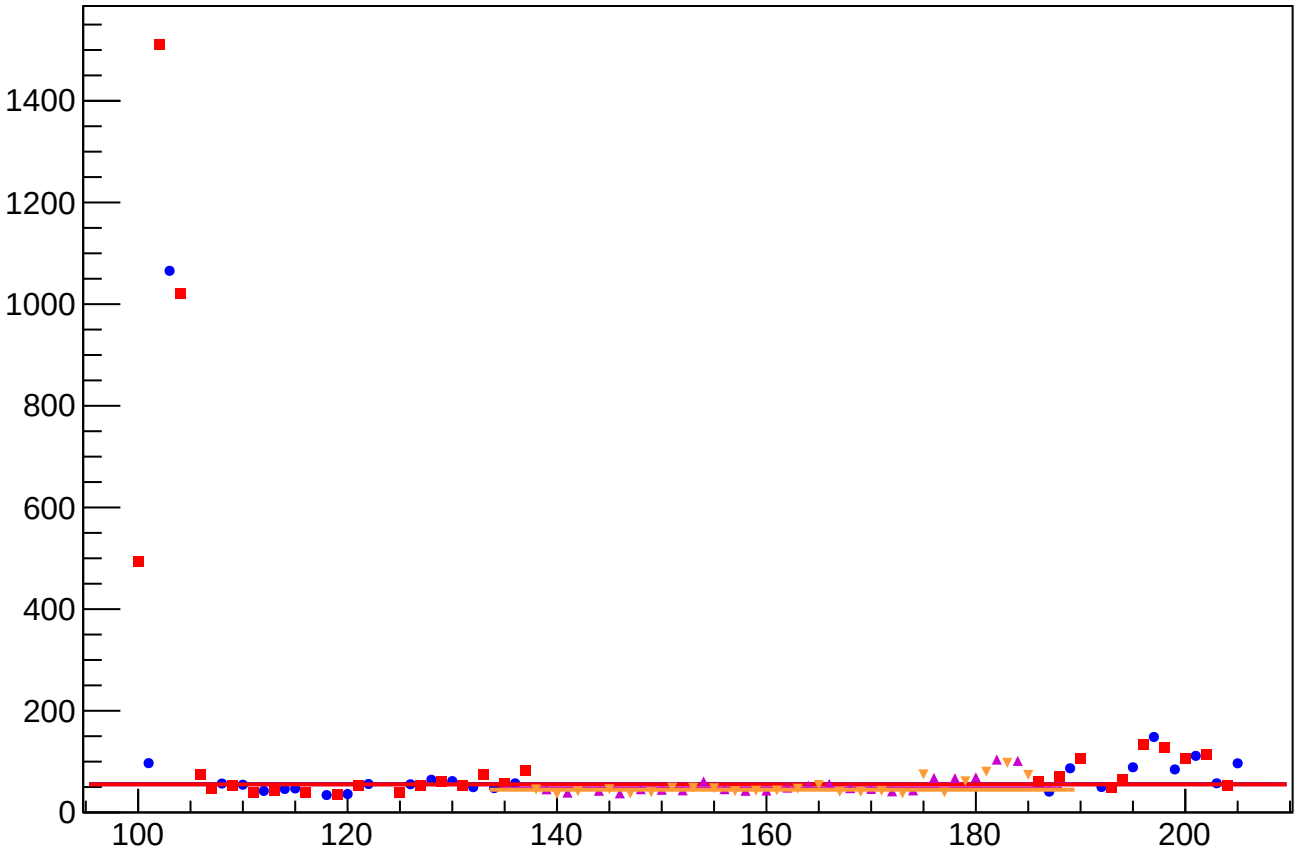
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.001+/-0.007 χ^2/NDF: 98.5/99

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

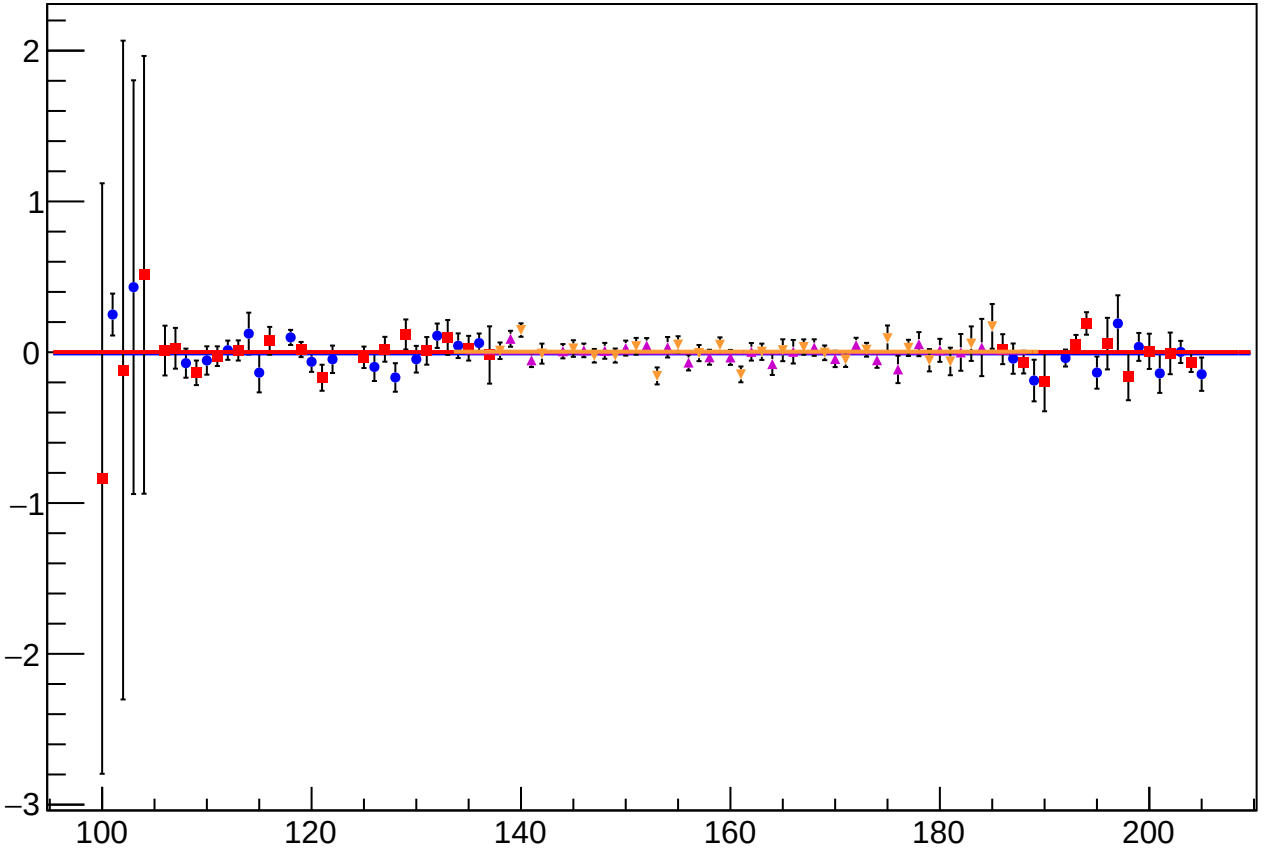
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684252.7/48

All: 48.859+/-0.005 χ^2/NDF: 11936704.3/99

- sign 49.698+/-0.007 χ^2/NDF: 6223815.0/50

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

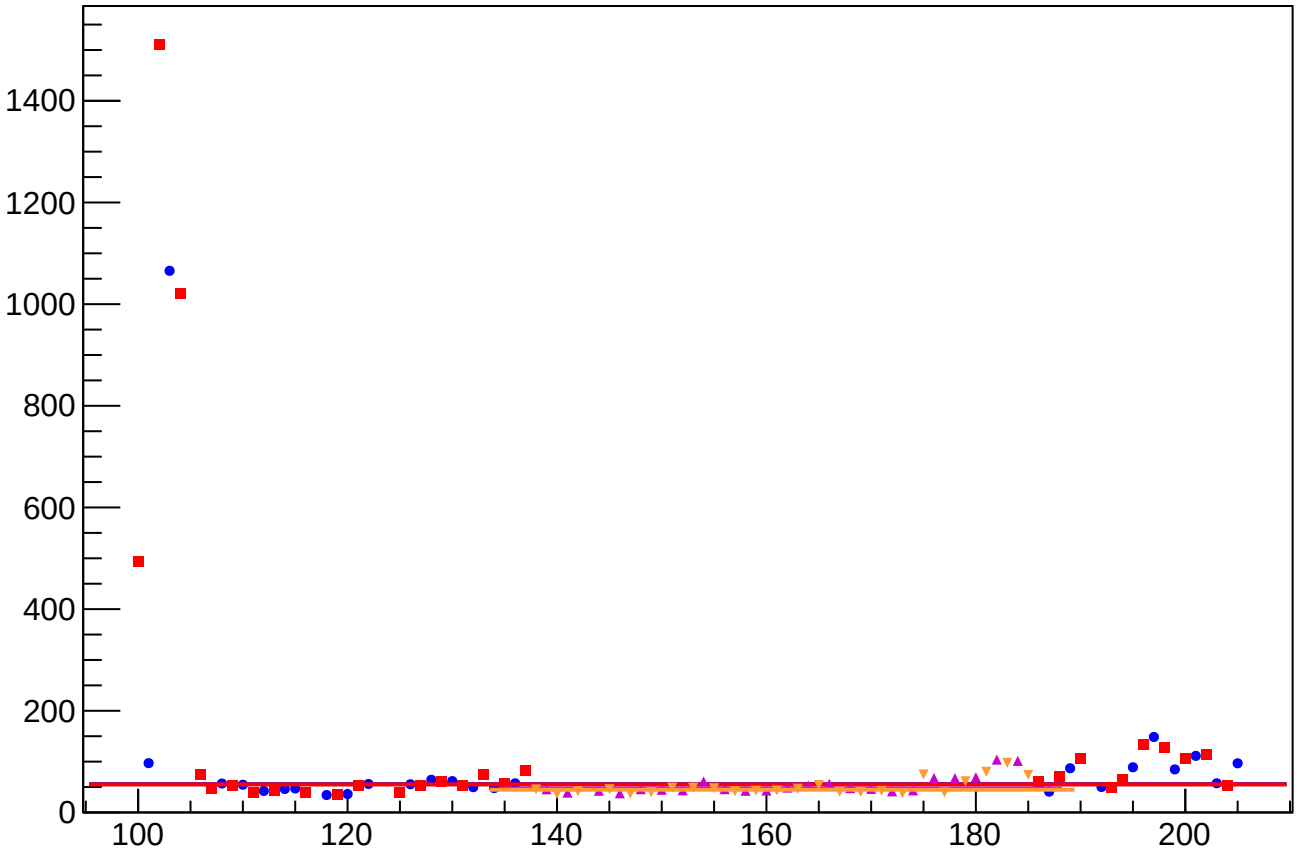
Right Out: 0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.001+/-0.007 χ^2/NDF: 98.5/99

- sign -0.001+/-0.010 χ^2/NDF: 36.4/50



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

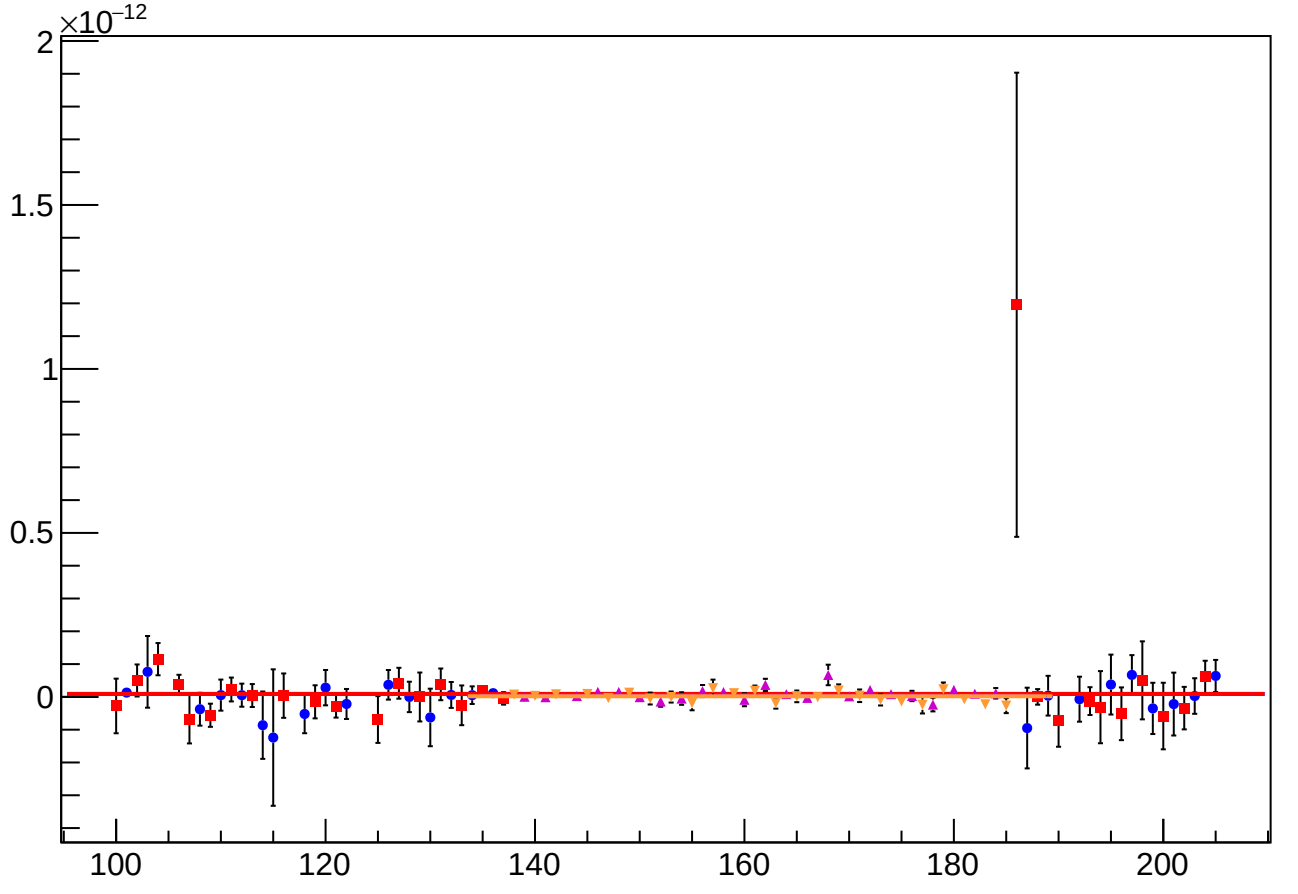
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684252.7/48

All: 48.859+/-0.005 χ^2/NDF: 11936704.3/99

- sign 49.698+/-0.007 χ^2/NDF: 6223815.0/50

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

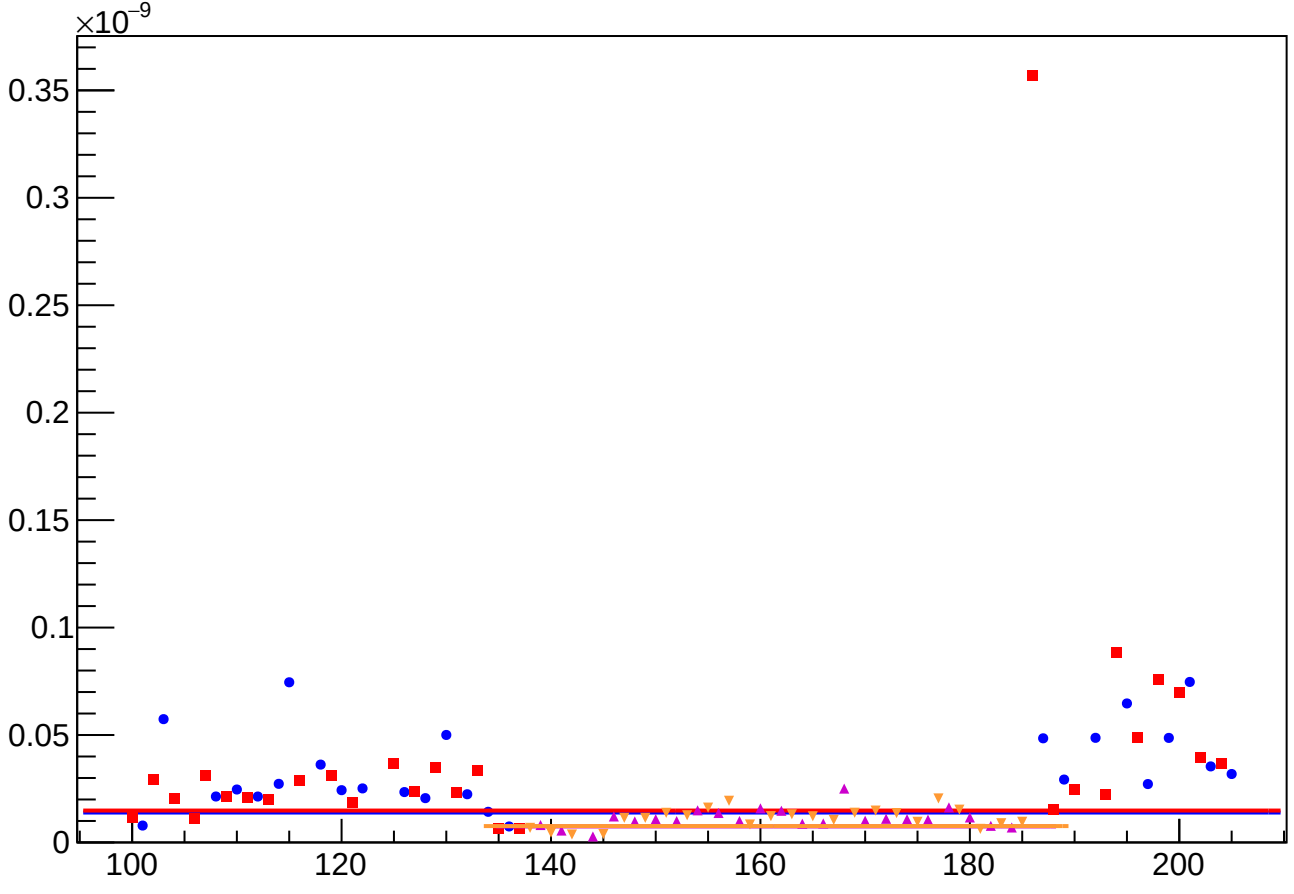
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/27

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/48

All: 0.000+/-0.000 χ^2/NDF: 72.9/99

- sign 0.000+/-0.000 χ^2/NDF: 41.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 6429614.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6715966.9/27

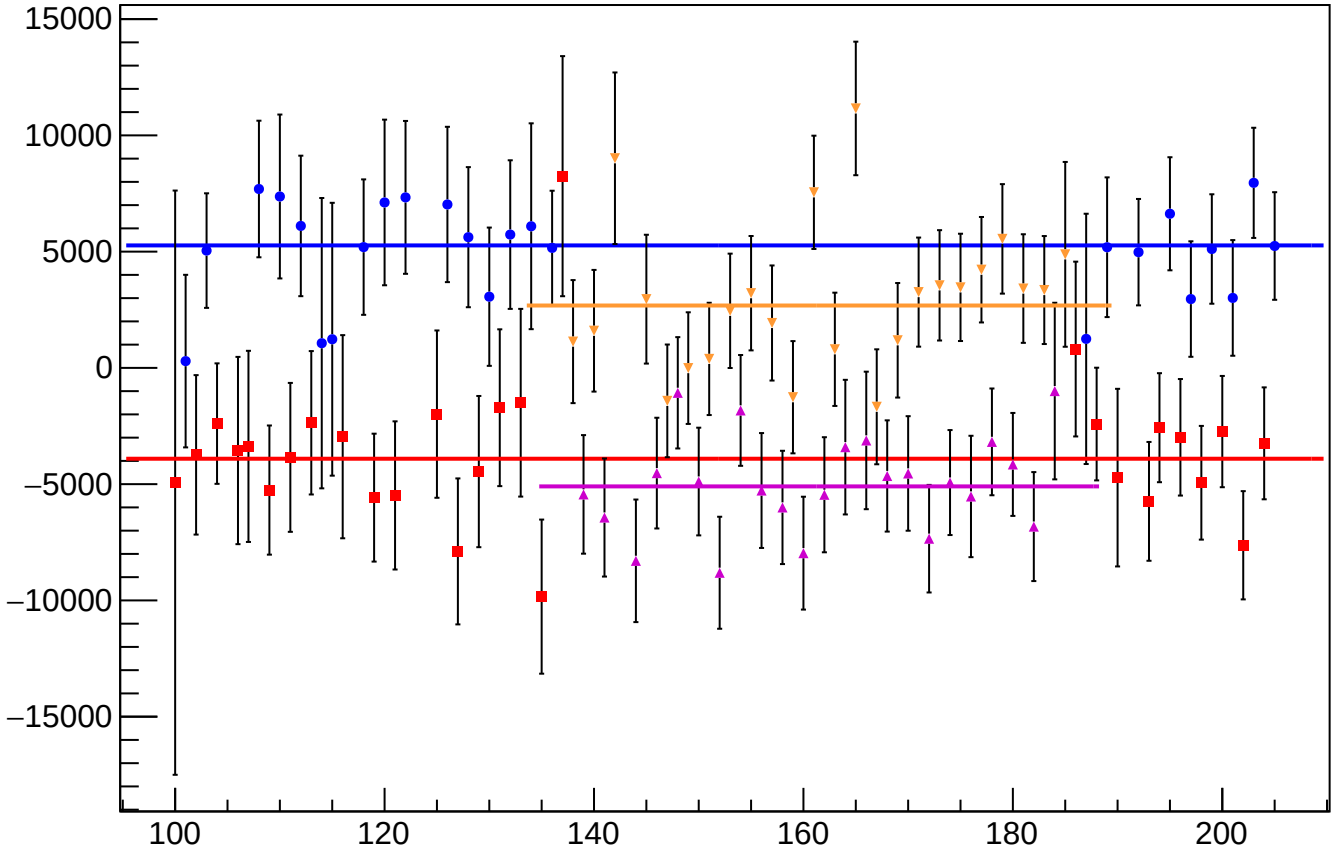
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13703465.6/48

All: 0.000+/-0.000 χ^2/NDF: 28592095.5/99

- sign 0.000+/-0.000 χ^2/NDF: 14886909.7/50

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5267.446+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3906.695+/-574.395 χ^2/NDF: 19.0/27

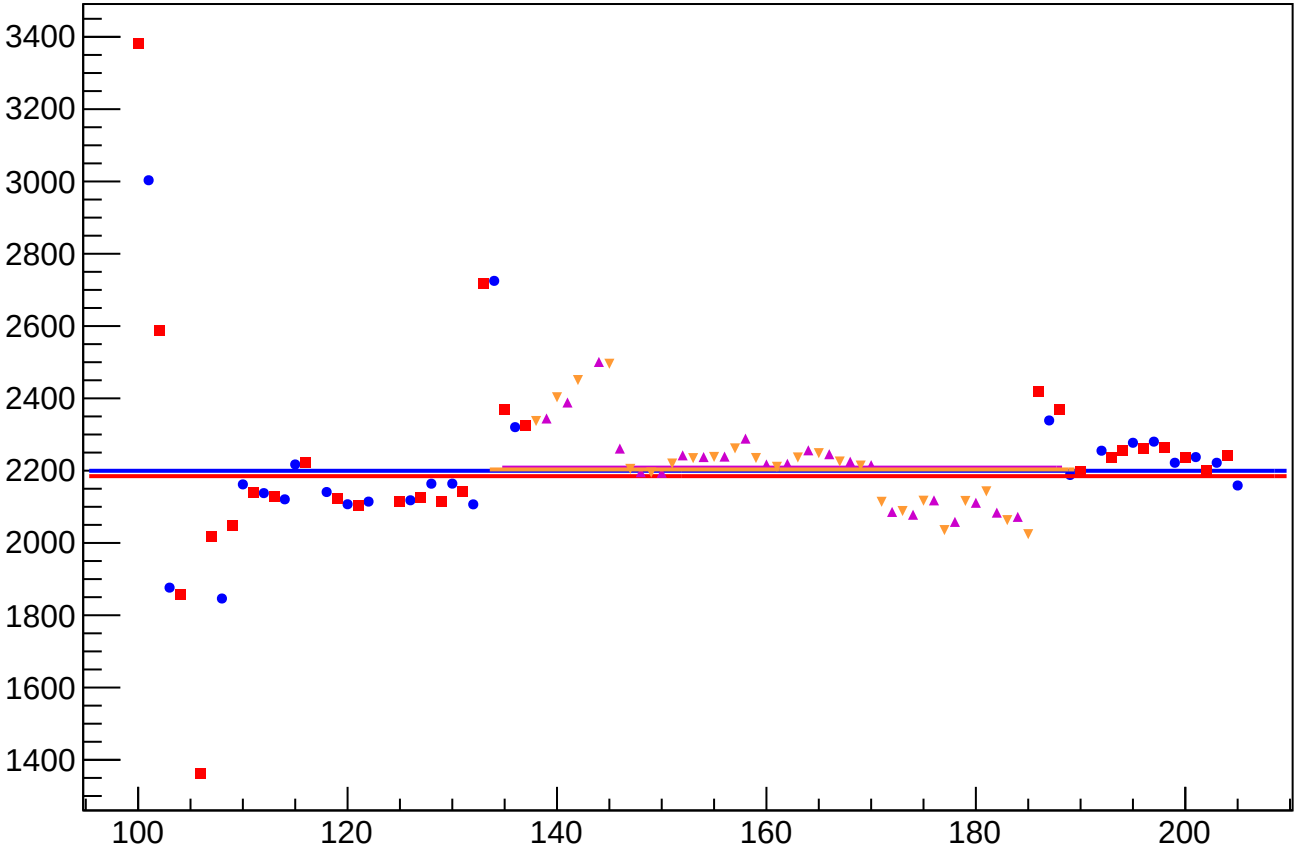
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3796.859+/-386.223 χ^2/NDF: 51.1/48

All: -408.631+/-272.295 χ^2/NDF: 323.1/99

- sign -4564.829+/-383.953 χ^2/NDF: 36.3/50

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.2/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

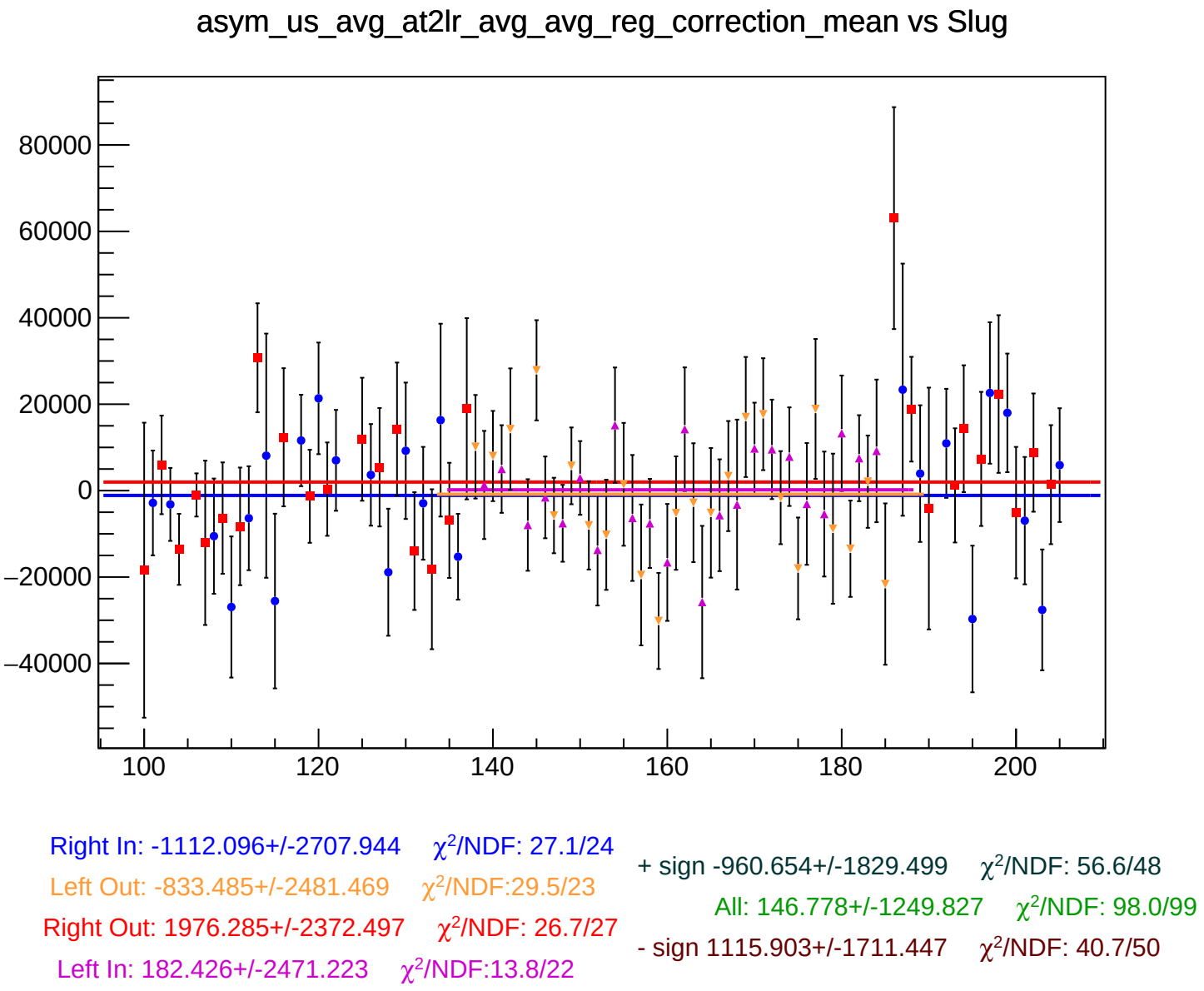
Right Out: 2184.774+/-0.403 χ^2/NDF: 312982.3/27

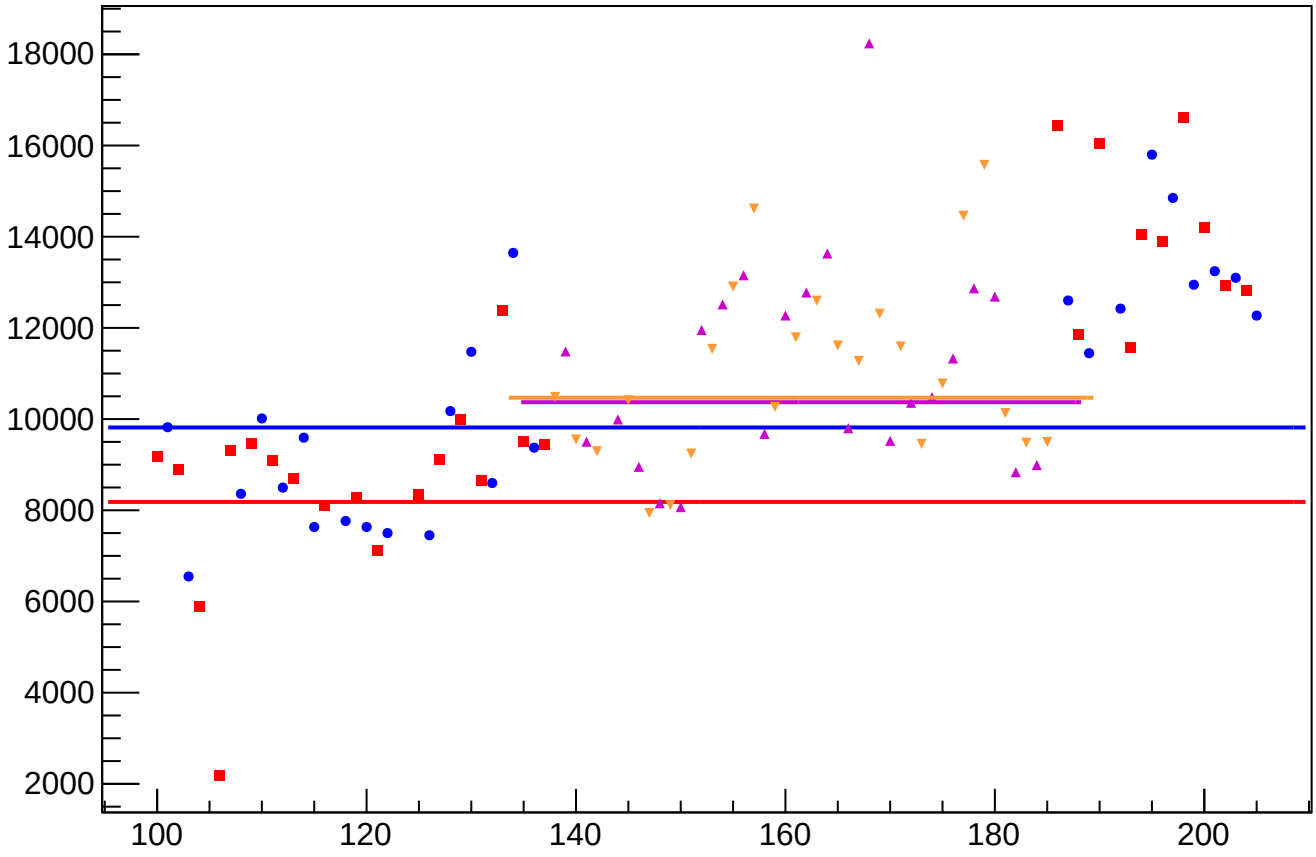
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.713+/-0.273 χ^2/NDF: 294930.0/48

All: 2199.706+/-0.192 χ^2/NDF: 690898.9/99

- sign 2197.737+/-0.271 χ^2/NDF: 395862.0/50


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: -1112.096+/-2707.944 χ²/NDF: 27.1/24
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: 1976.285+/-2372.497 χ²/NDF: 26.7/27
Left In: 182.426+/-2471.223 χ²/NDF:13.8/22
+ sign -960.654+/-1829.499 χ²/NDF: 56.6/48
All: 146.778+/-1249.827 χ²/NDF: 98.0/99
- sign 1115.903+/-1711.447 χ²/NDF: 40.7/50



Right In: 9816.437+/-1.915 χ^2/NDF: 1720746.4/24

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8183.301+/-1.678 χ^2/NDF: 5751839.2/27

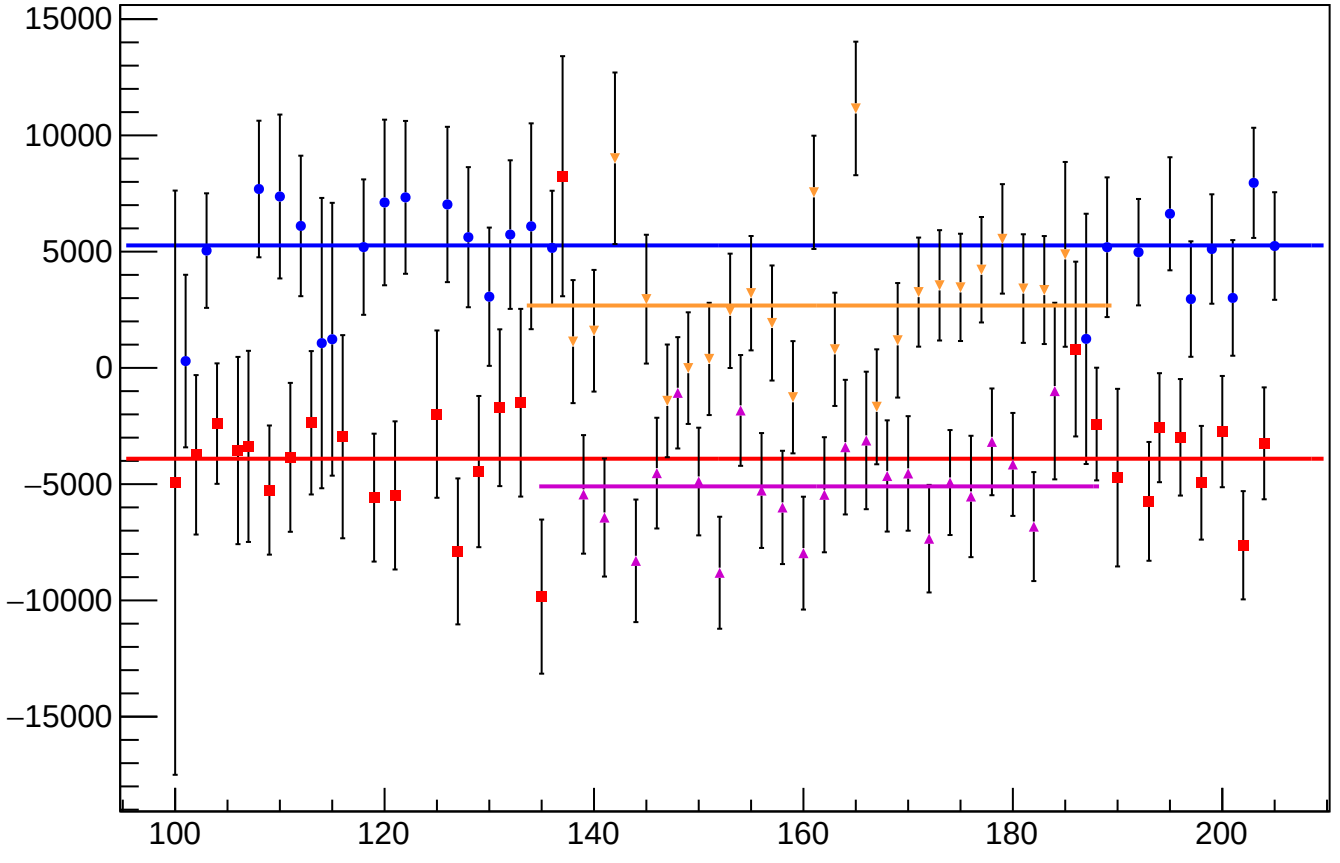
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10170.968+/-1.294 χ^2/NDF: 2829072.1/48

All: 9670.496+/-0.884 χ^2/NDF: 10880868.8/9

- sign 9232.529+/-1.210 χ^2/NDF: 7771155.6/50

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3906.547+/-574.395 χ^2/NDF: 19.0/27

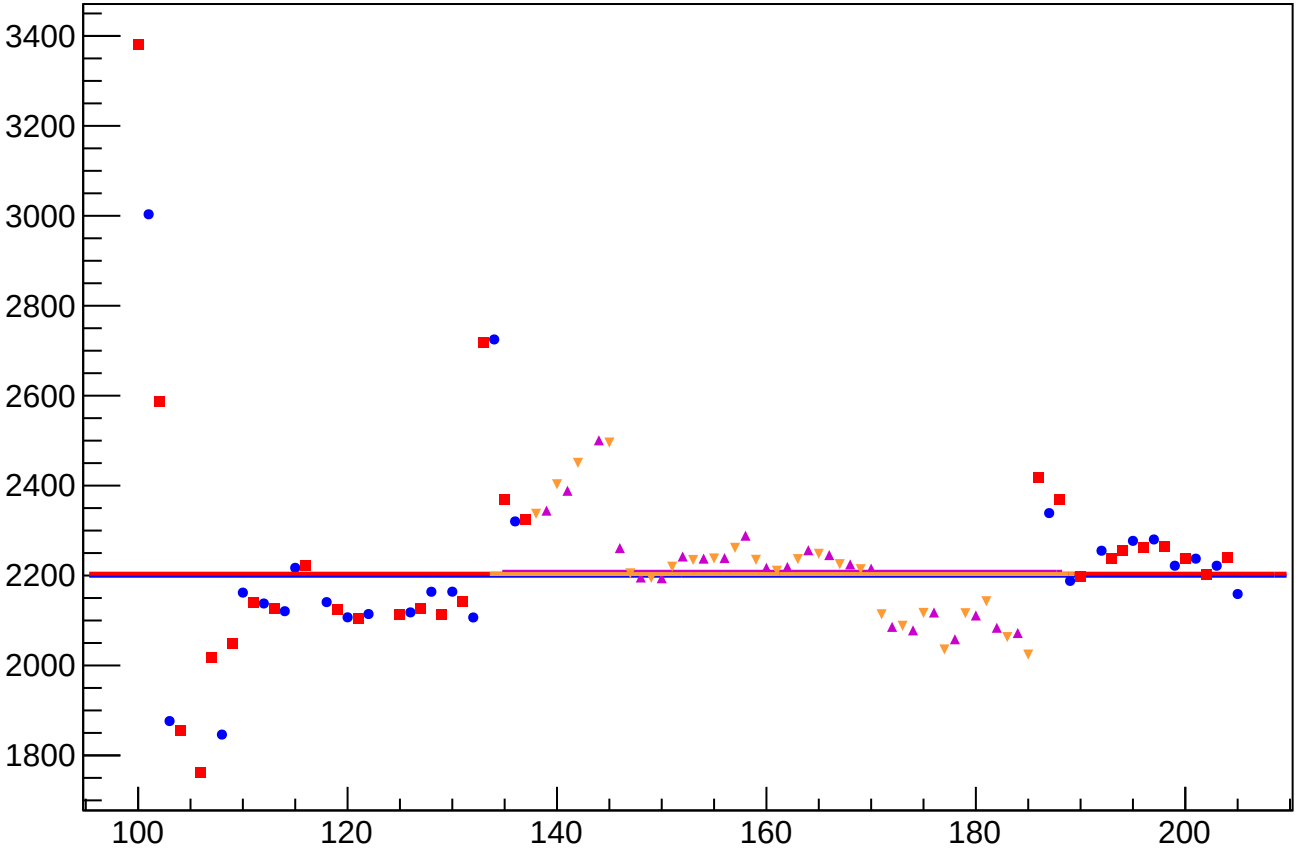
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3796.842+/-386.223 χ^2/NDF: 51.1/48

All: -408.580+/-272.295 χ^2/NDF: 323.1/99

- sign -4564.712+/-383.953 χ^2/NDF: 36.3/50

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

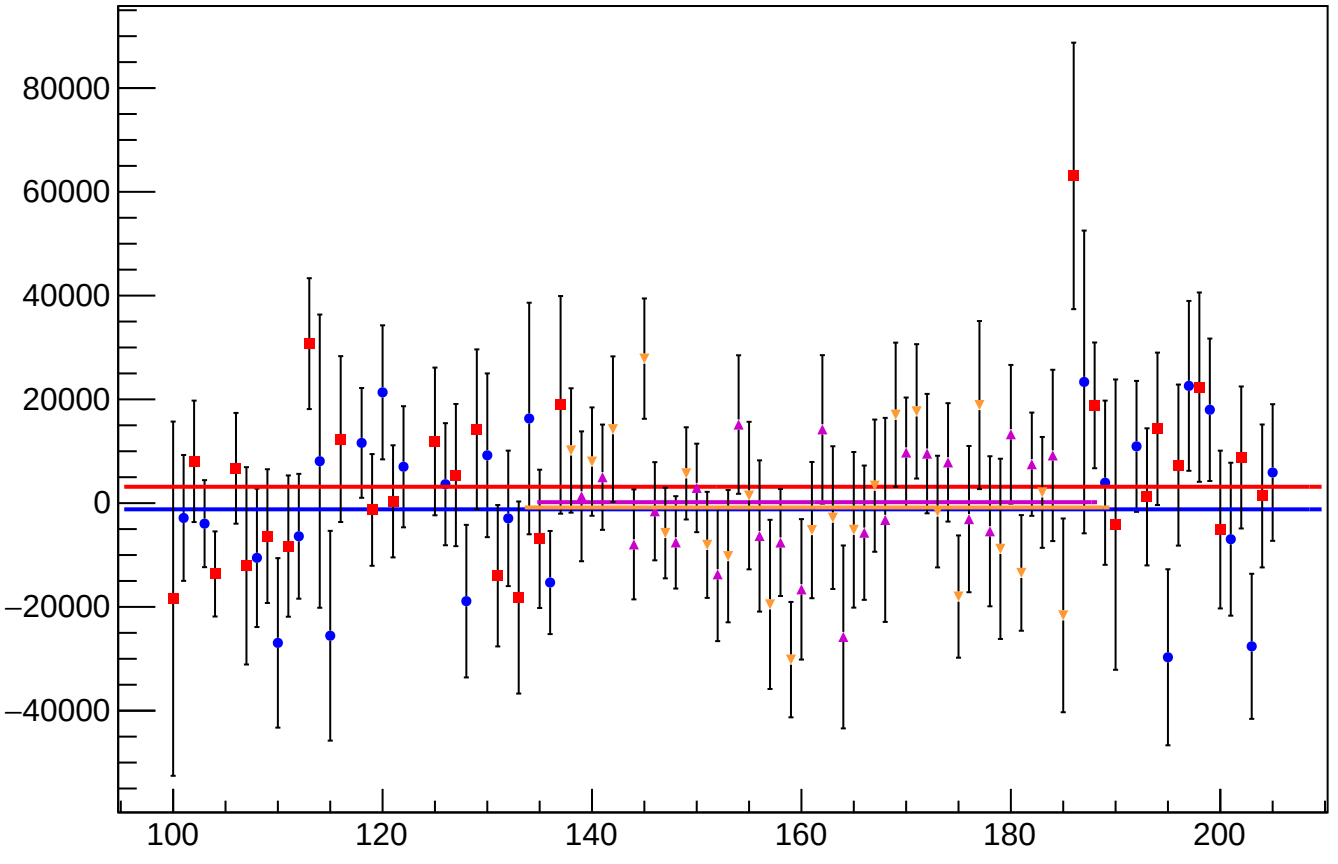
Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.713+/-0.273 χ^2/NDF: 294930.3/48

All: 2204.108+/-0.192 χ^2/NDF: 564139.7/99

- sign 2206.469+/-0.271 χ^2/NDF: 269056.6/50



Right In: -1194.934+/-2705.805 χ^2/NDF: 27.2/24

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

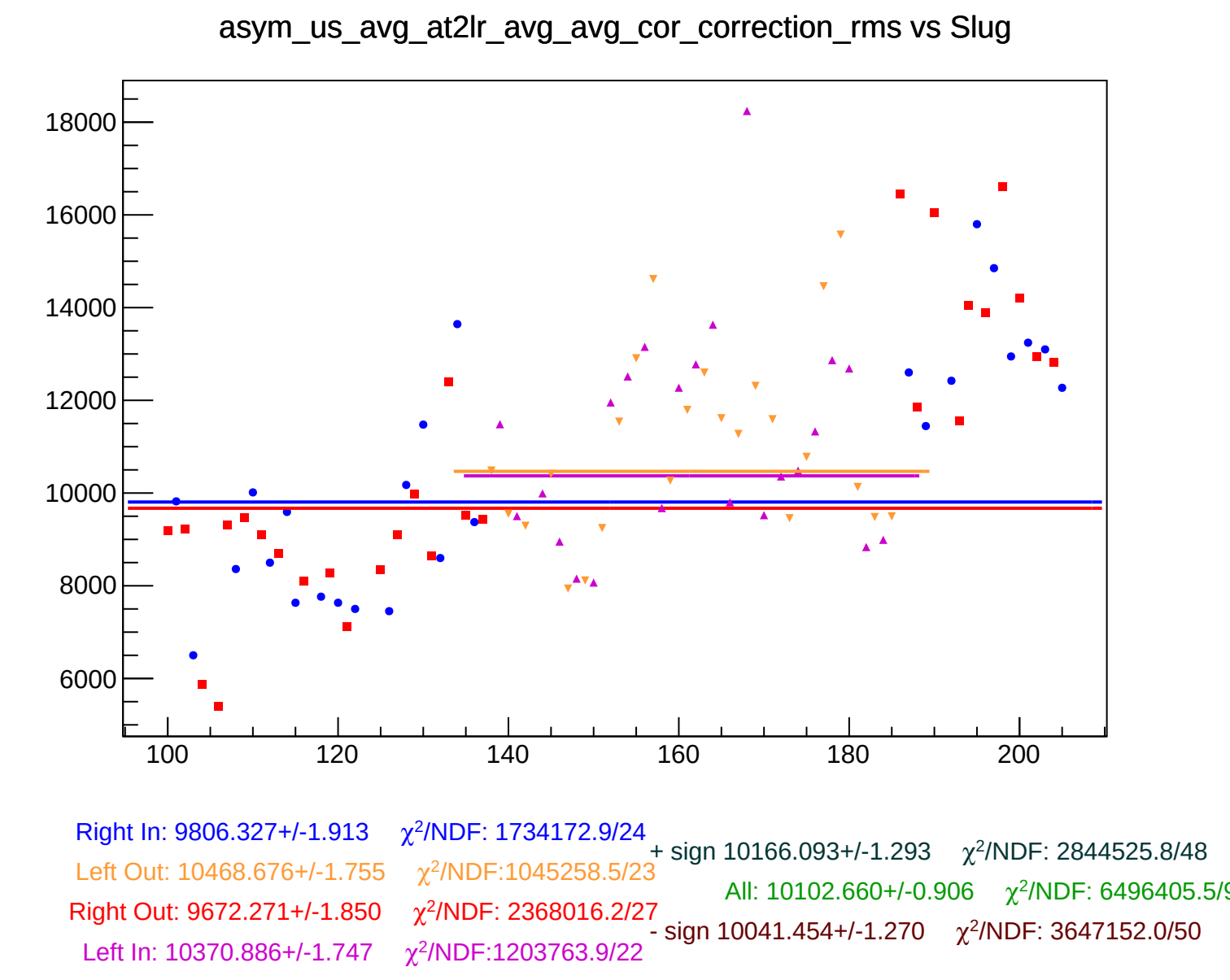
Right Out: 3156.952+/-2616.072 χ^2/NDF: 26.5/27

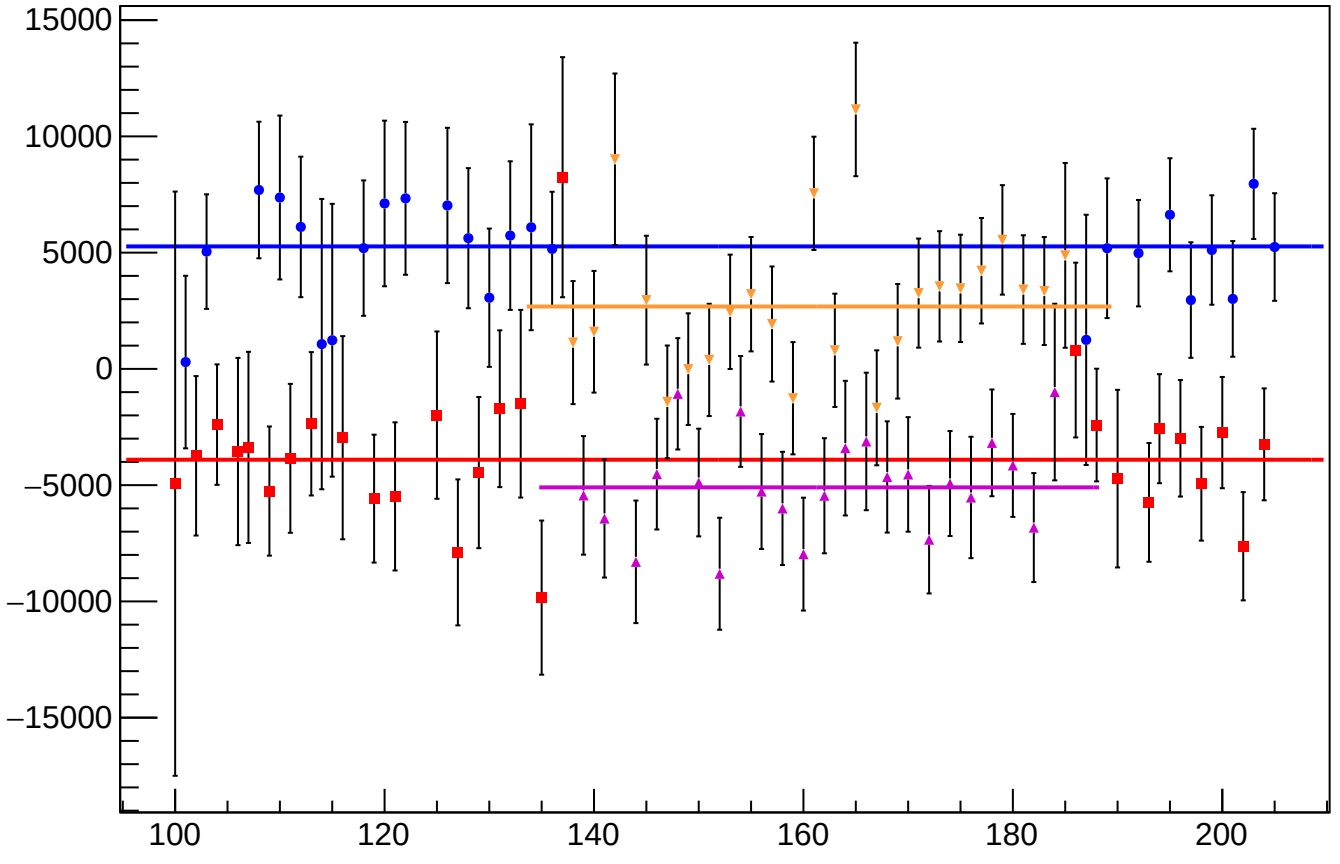
Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

\+ sign -998.592+/-1828.838 χ^2/NDF: 56.7/48

All: 316.303+/-1281.577 χ^2/NDF: 98.7/99

\- sign 1585.029+/-1796.444 χ^2/NDF: 41.0/50


asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9806.327+/-1.913 χ²/NDF: 1734172.9/24
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9672.271+/-1.850 χ²/NDF: 2368016.2/27
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
+ sign 10166.093+/-1.293 χ²/NDF: 2844525.8/48
All: 10102.660+/-0.906 χ²/NDF: 6496405.5/9
- sign 10041.454+/-1.270 χ²/NDF: 3647152.0/50



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3906.547+/-574.395 χ^2/NDF: 19.0/27

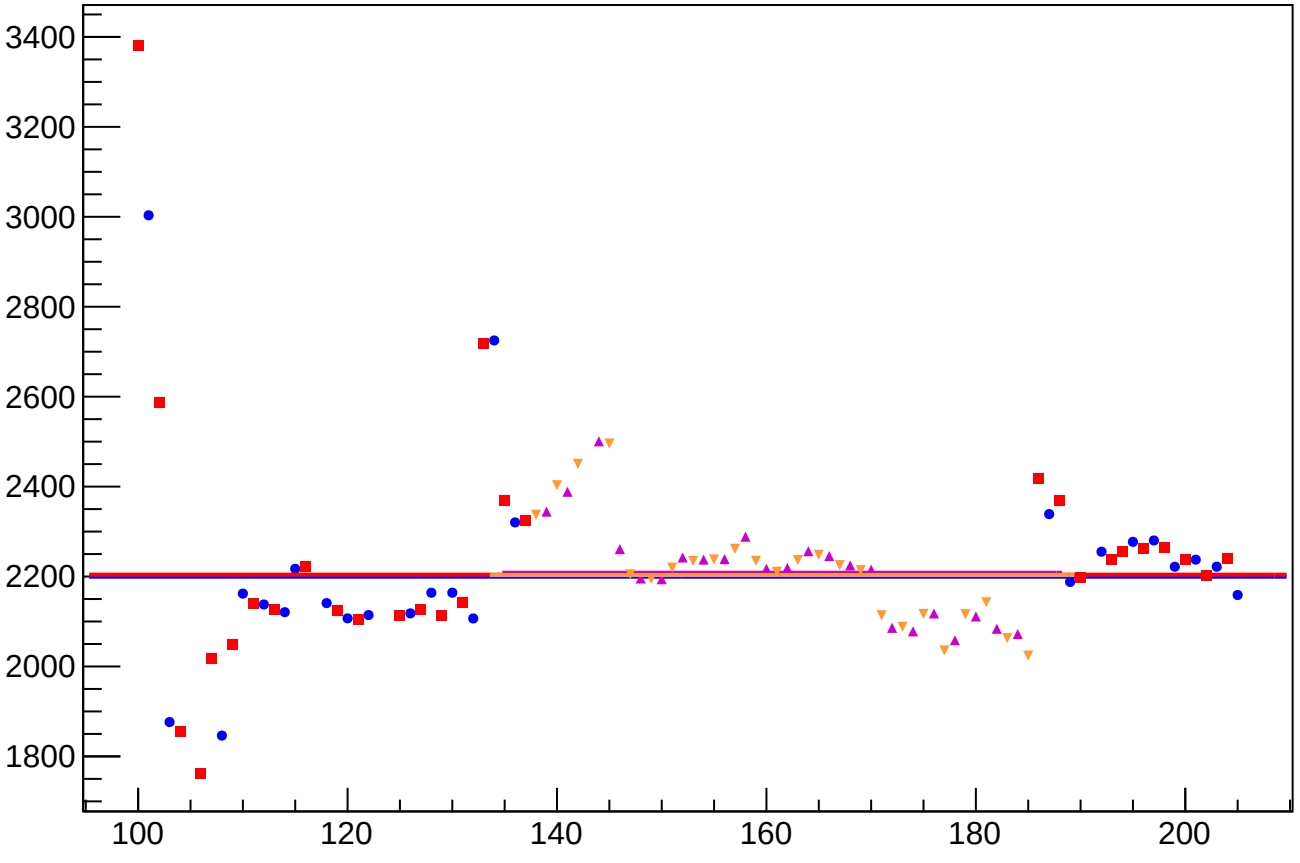
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3796.842+/-386.223 χ^2/NDF: 51.1/48

All: -408.580+/-272.295 χ^2/NDF: 323.1/99

- sign -4564.712+/-383.953 χ^2/NDF: 36.3/50

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

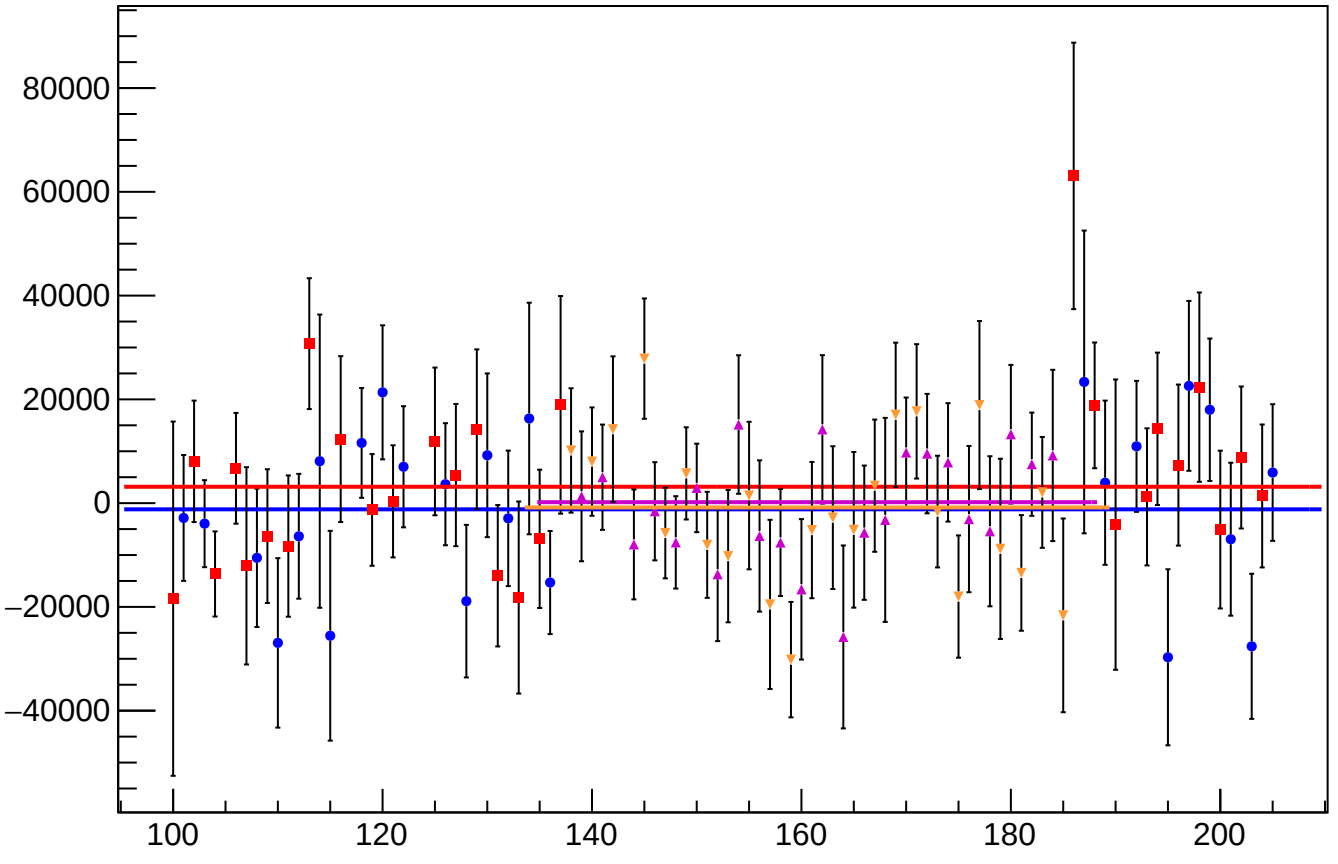
Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.713+/-0.273 χ^2/NDF: 294930.3/48

All: 2204.108+/-0.192 χ^2/NDF: 564139.7/99

- sign 2206.469+/-0.271 χ^2/NDF: 269056.6/50



Right In: -1194.934+/-2705.805 χ^2/NDF: 27.2/24

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

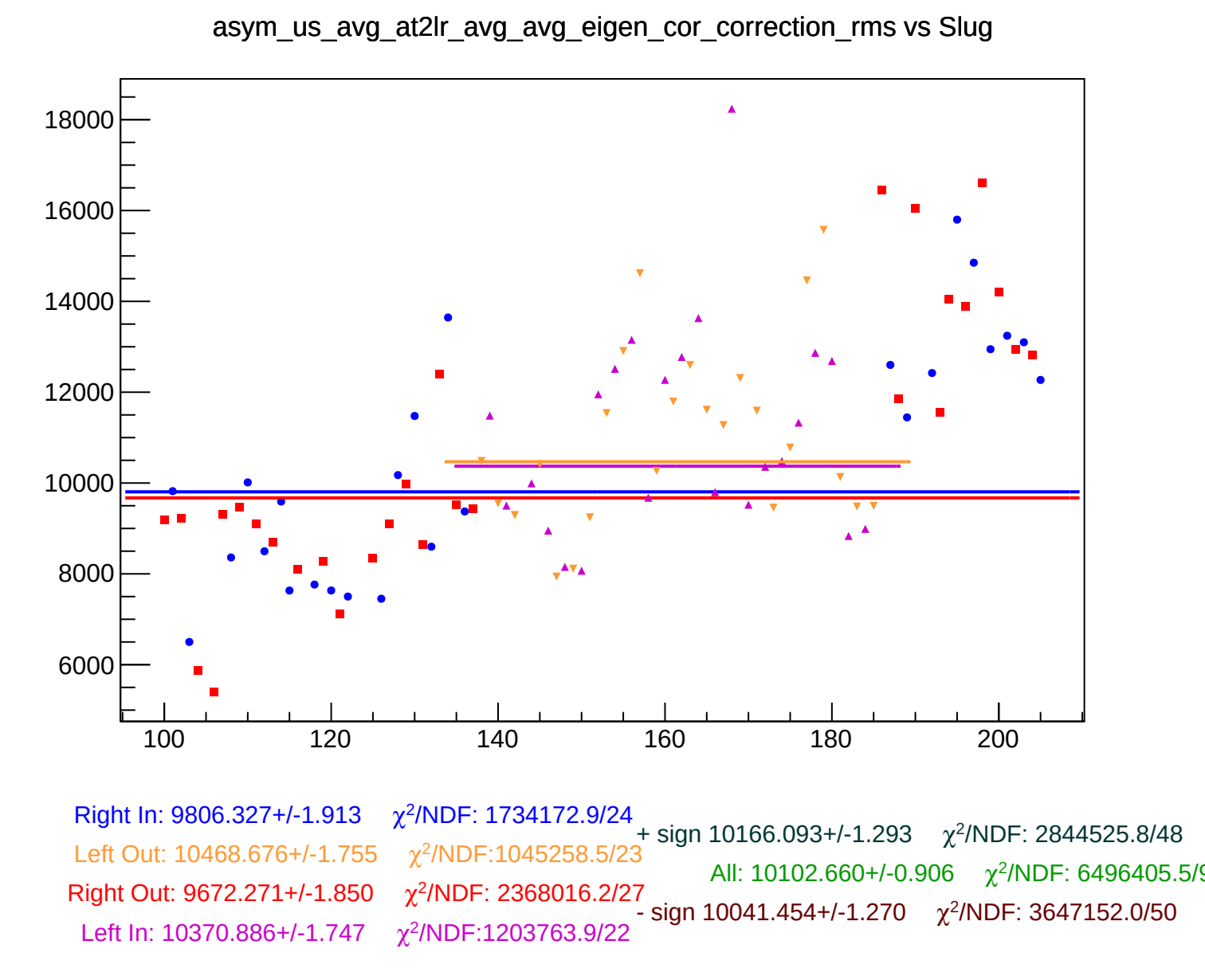
Right Out: 3156.952+/-2616.072 χ^2/NDF: 26.5/27

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

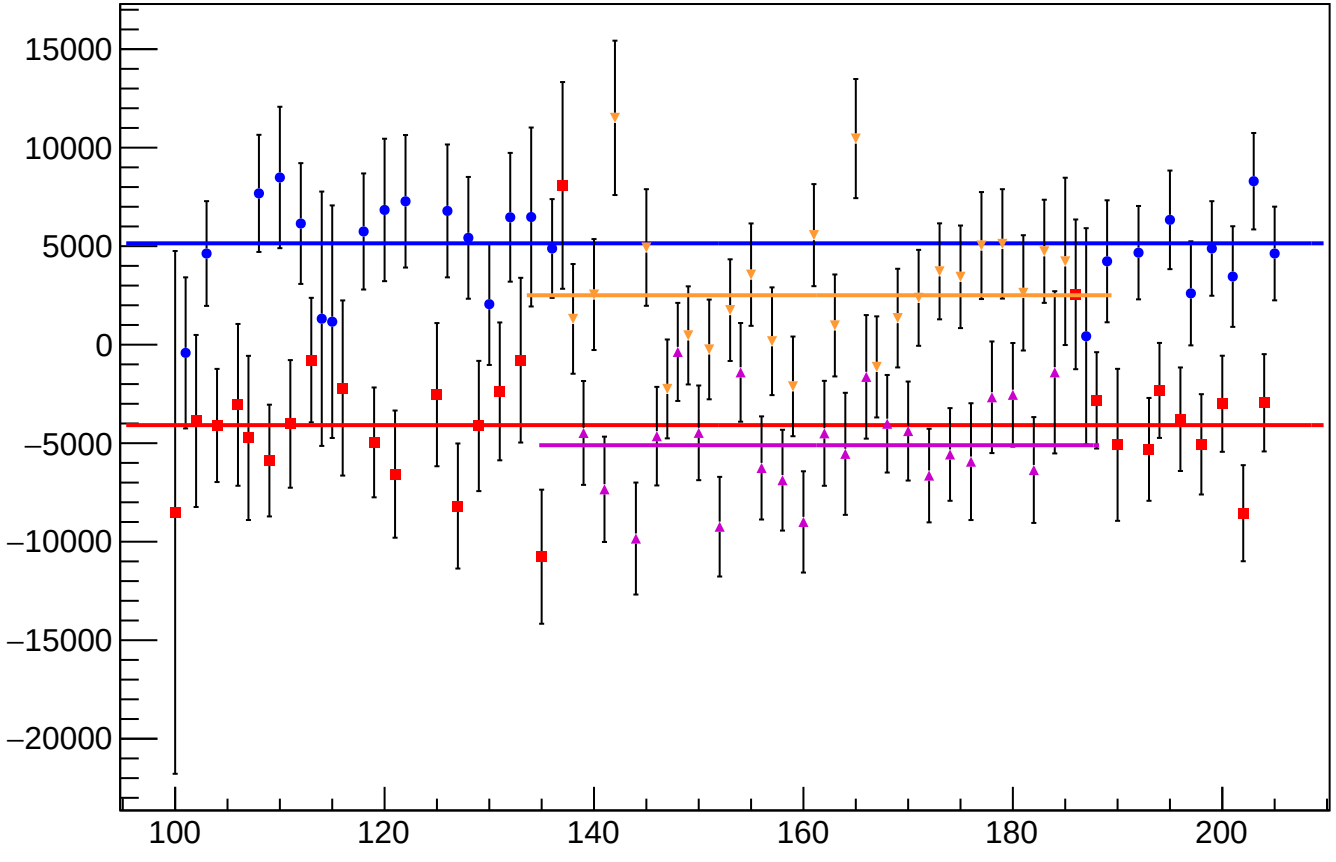
+ sign -998.592+/-1828.838 χ^2/NDF: 56.7/48

All: 316.303+/-1281.577 χ^2/NDF: 98.7/99

- sign 1585.029+/-1796.444 χ^2/NDF: 41.0/50


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9806.327+/-1.913 χ²/NDF: 1734172.9/24
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9672.271+/-1.850 χ²/NDF: 2368016.2/27
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
+ sign 10166.093+/-1.293 χ²/NDF: 2844525.8/48
All: 10102.660+/-0.906 χ²/NDF: 6496405.5/9
- sign 10041.454+/-1.270 χ²/NDF: 3647152.0/50

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5144.303+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4083.675+/-593.221 χ^2/NDF: 22.6/27

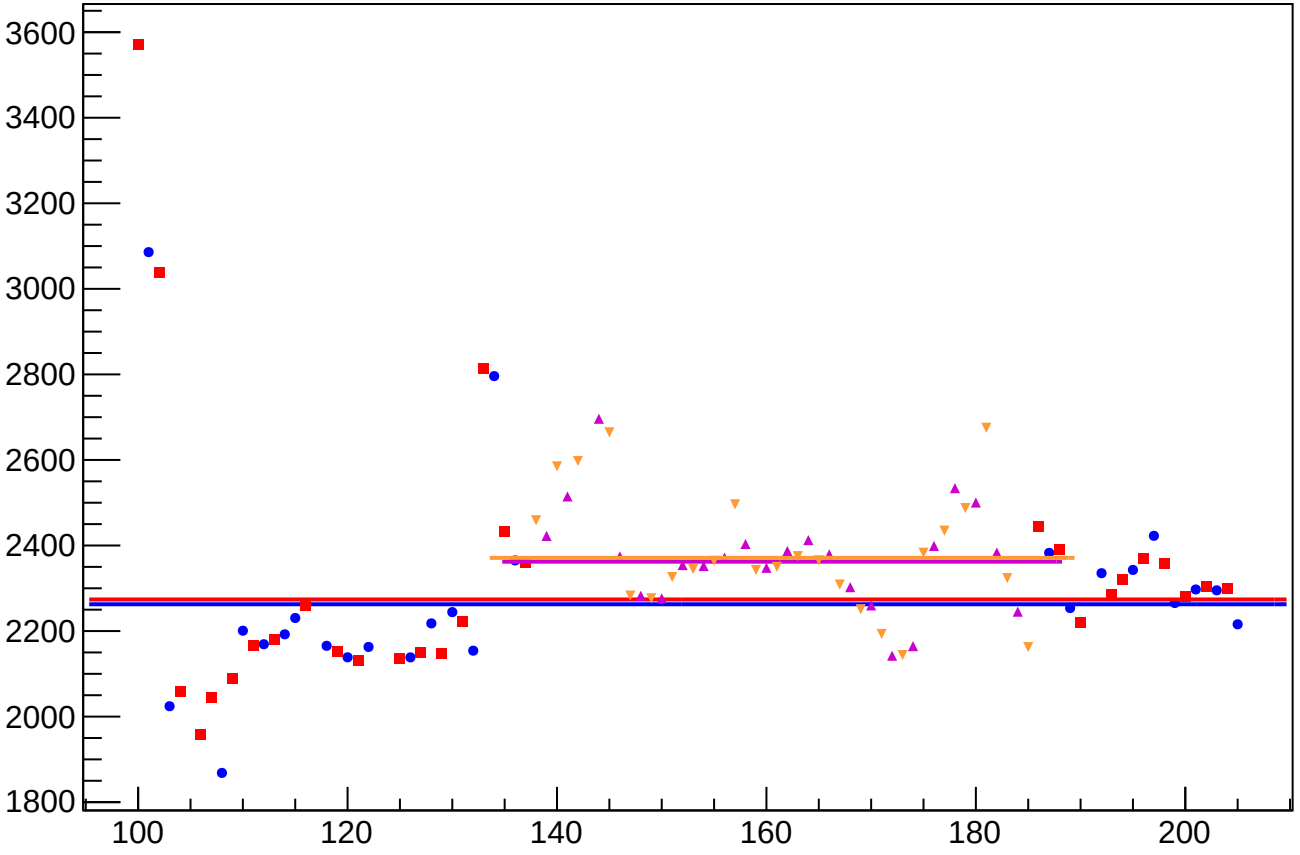
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

\+ sign 3704.366+/-407.736 χ^2/NDF: 51.1/48

All: -497.401+/-287.104 χ^2/NDF: 305.8/99

\- sign -4629.441+/-404.339 χ^2/NDF: 44.1/50

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2262.661+/-0.428 χ^2/NDF: 202601.5/24

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

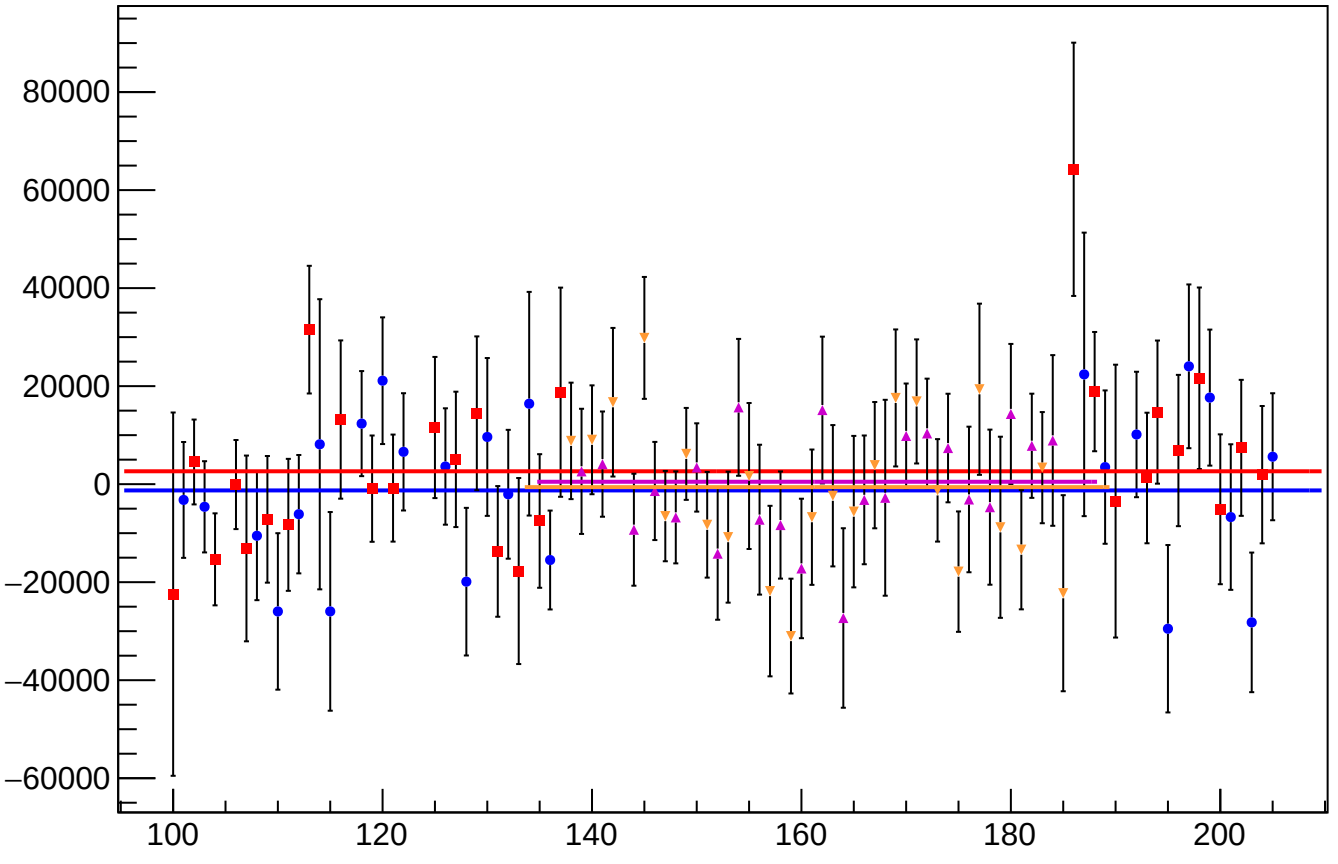
Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.3/27

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2321.932+/-0.288 χ^2/NDF: 353982.7/48

All: 2321.540+/-0.203 χ^2/NDF: 662536.3/99

- sign 2321.155+/-0.286 χ^2/NDF: 308550.0/50



Right In: -1278.795+/-2747.947 χ^2/NDF: 27.0/24

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

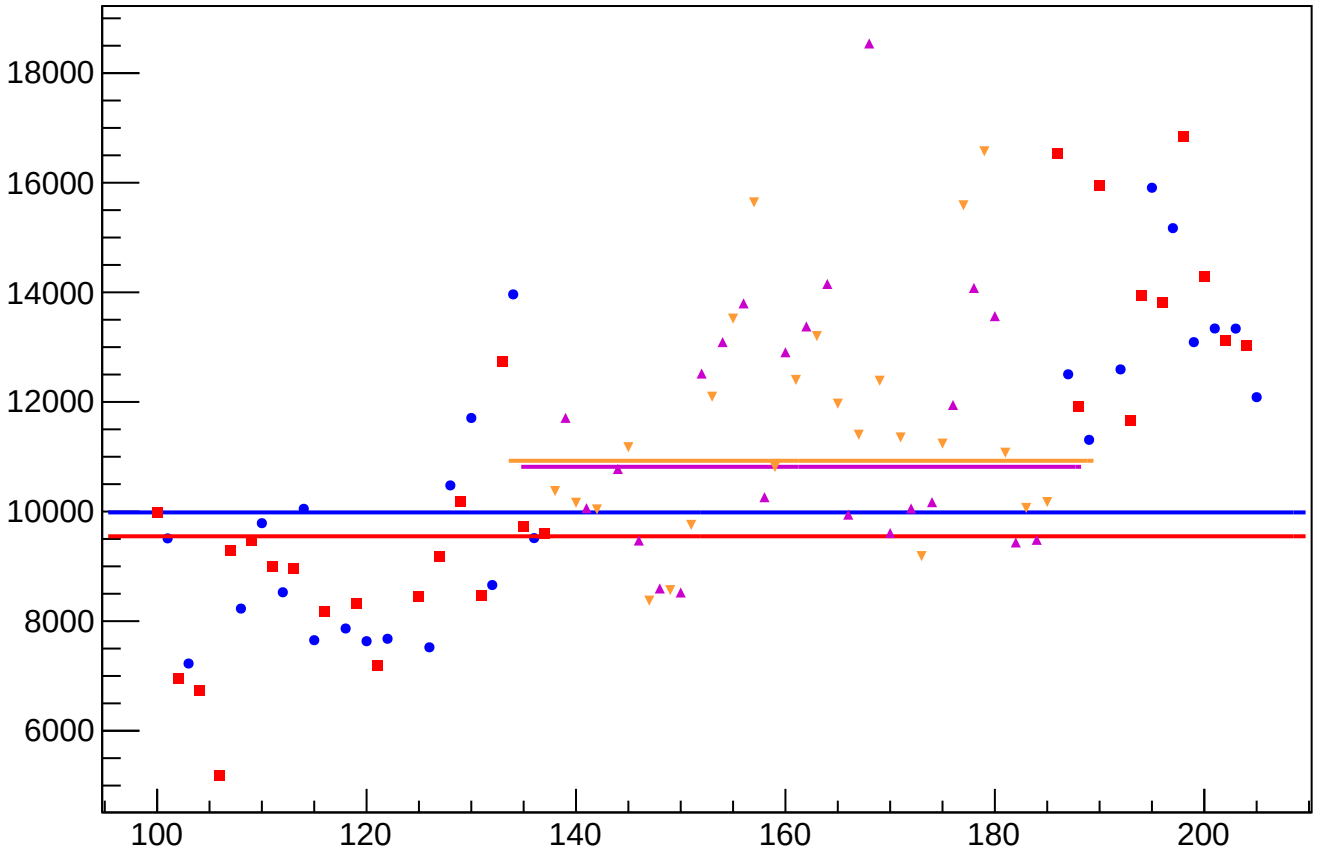
Right Out: 2627.774+/-2581.249 χ^2/NDF: 26.2/27

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

\+ sign -923.706+/-1884.741 χ^2/NDF: 55.9/48

All: 357.530+/-1310.633 χ^2/NDF: 96.9/99

\- sign 1557.237+/-1823.790 χ^2/NDF: 40.1/50



Right In: 9984.315+/-1.943 χ^2/NDF: 1597257.3/24

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

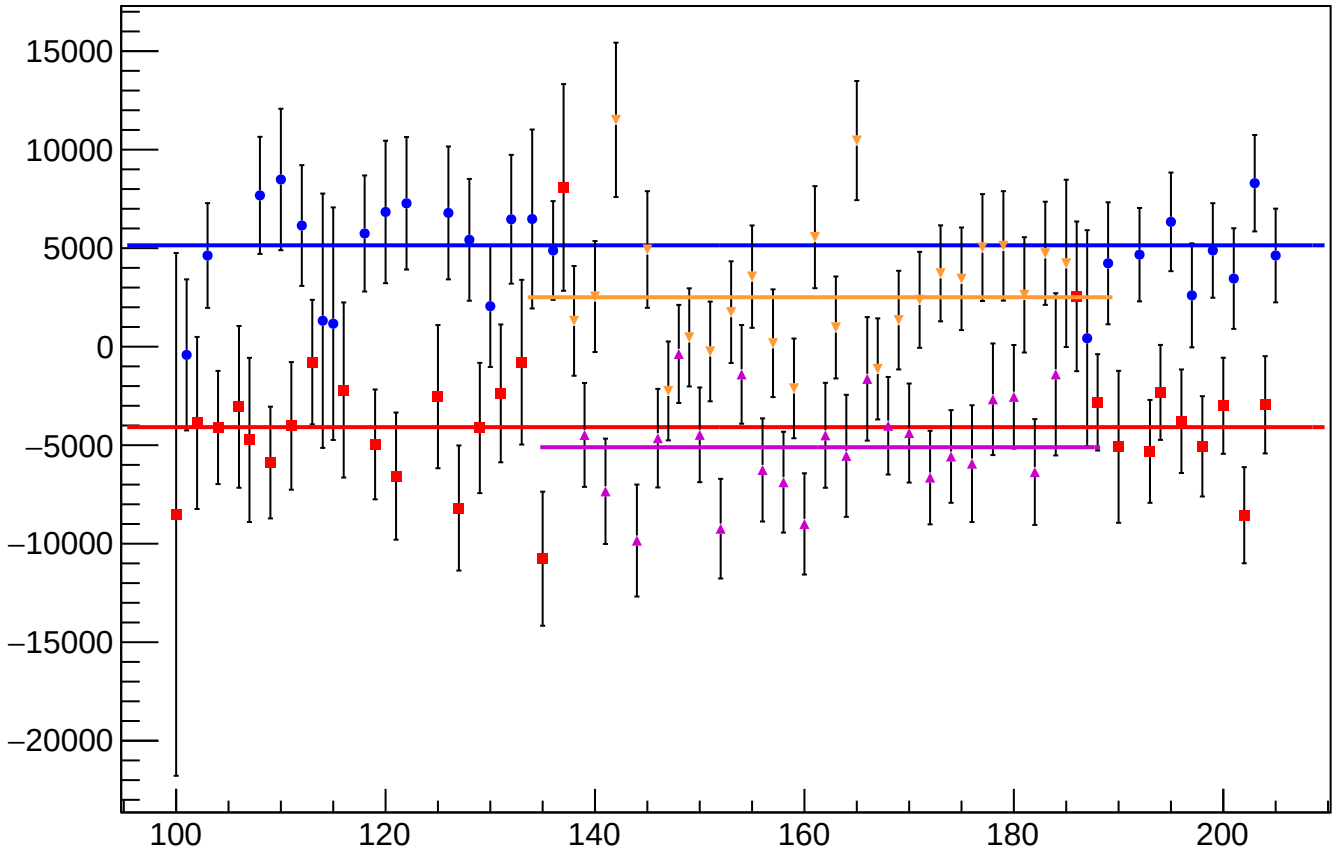
Right Out: 9548.625+/-1.825 χ^2/NDF: 2517548.7/27

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10483.467+/-1.333 χ^2/NDF: 2779197.2/48

All: 10328.536+/-0.927 χ^2/NDF: 6761309.4/9

- sign 10183.464+/-1.290 χ^2/NDF: 3955943.0/50



Right In: 5144.297+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4083.674+/-593.221 χ^2/NDF: 22.6/27

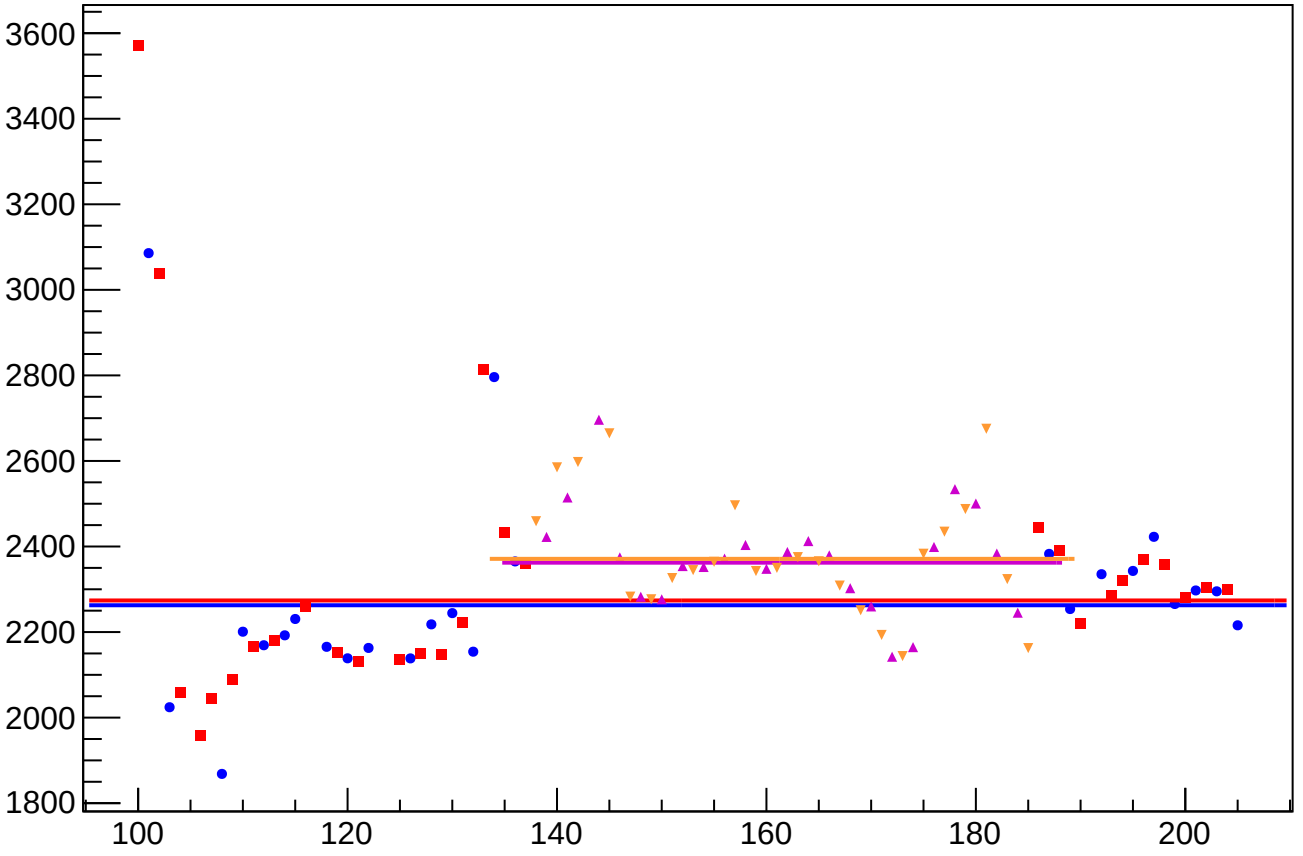
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3704.358+/-407.737 χ^2/NDF: 51.1/48

All: -497.405+/-287.105 χ^2/NDF: 305.8/99

- sign -4629.441+/-404.339 χ^2/NDF: 44.1/50

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2262.661+/-0.428 χ^2/NDF: 202602.1/24

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

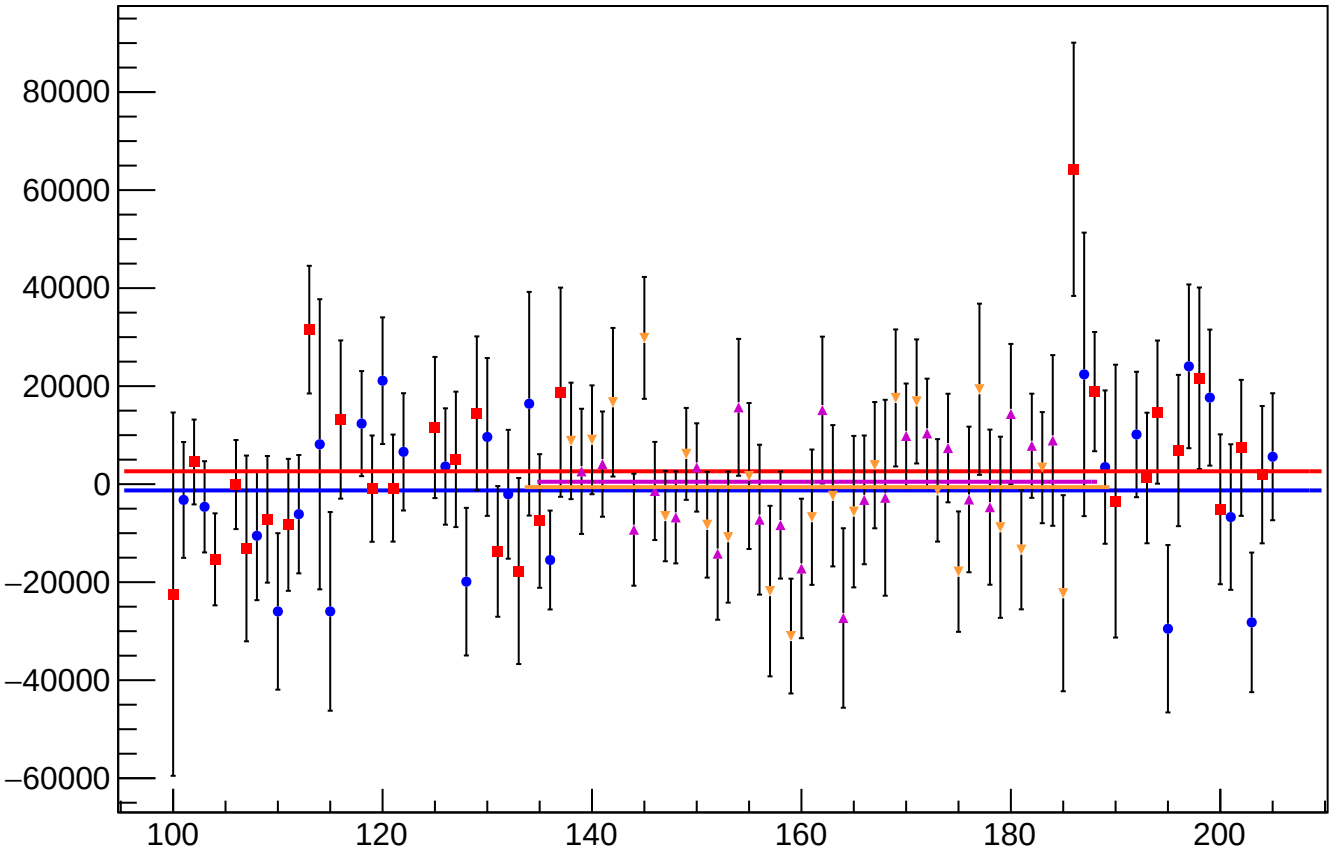
Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.7/27

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2321.933+/-0.288 χ^2/NDF: 353990.0/48

All: 2321.542+/-0.203 χ^2/NDF: 662550.2/99

- sign 2321.157+/-0.286 χ^2/NDF: 308556.6/50



Right In: -1278.781+/-2747.944 χ^2/NDF: 27.0/24

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

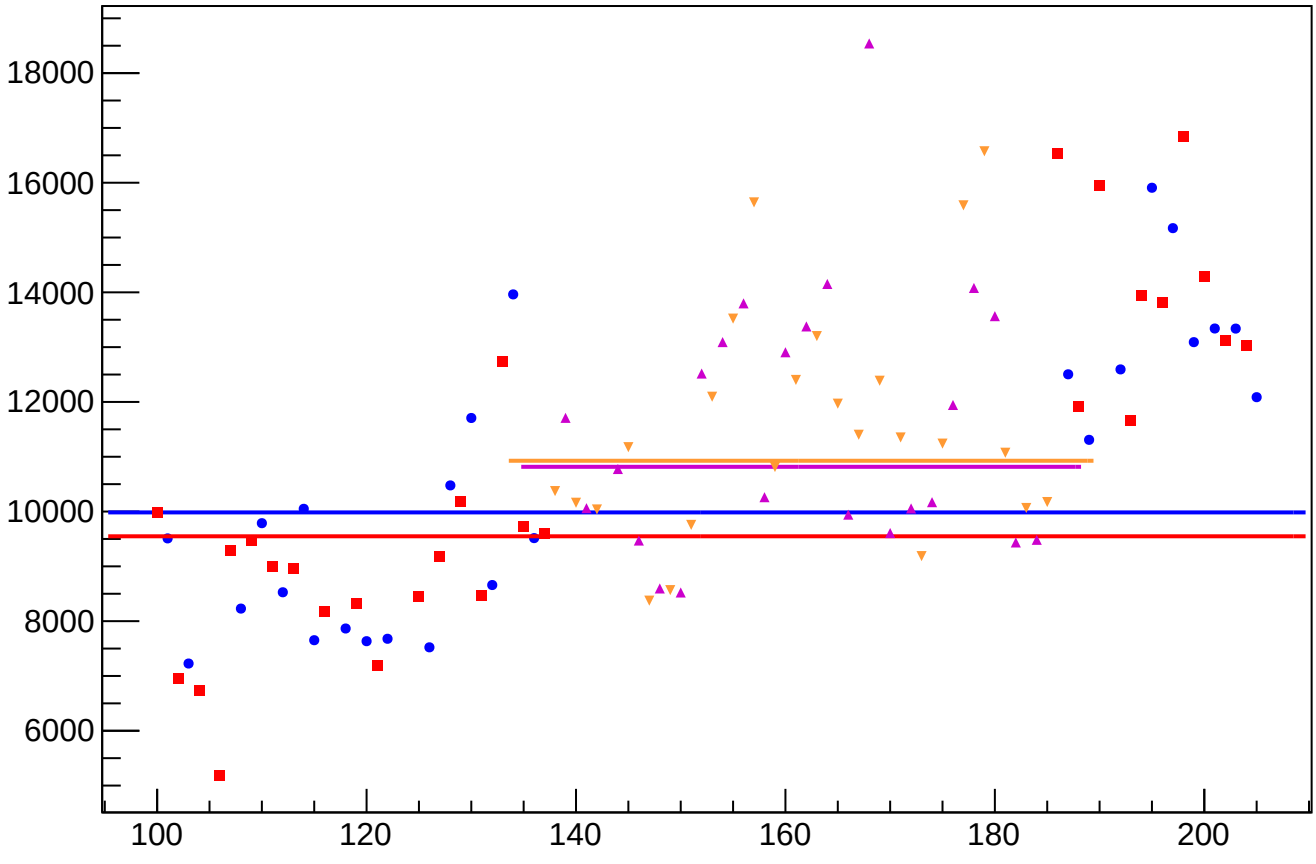
Right Out: 2627.761+/-2581.245 χ^2/NDF: 26.2/27

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

\+ sign -923.705+/-1884.742 χ^2/NDF: 55.9/48

All: 357.529+/-1310.633 χ^2/NDF: 96.9/99

\- sign 1557.235+/-1823.790 χ^2/NDF: 40.1/50



Right In: 9984.299+/-1.943 χ^2/NDF: 1597280.4/24

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9548.609+/-1.825 χ^2/NDF: 2517567.8/27

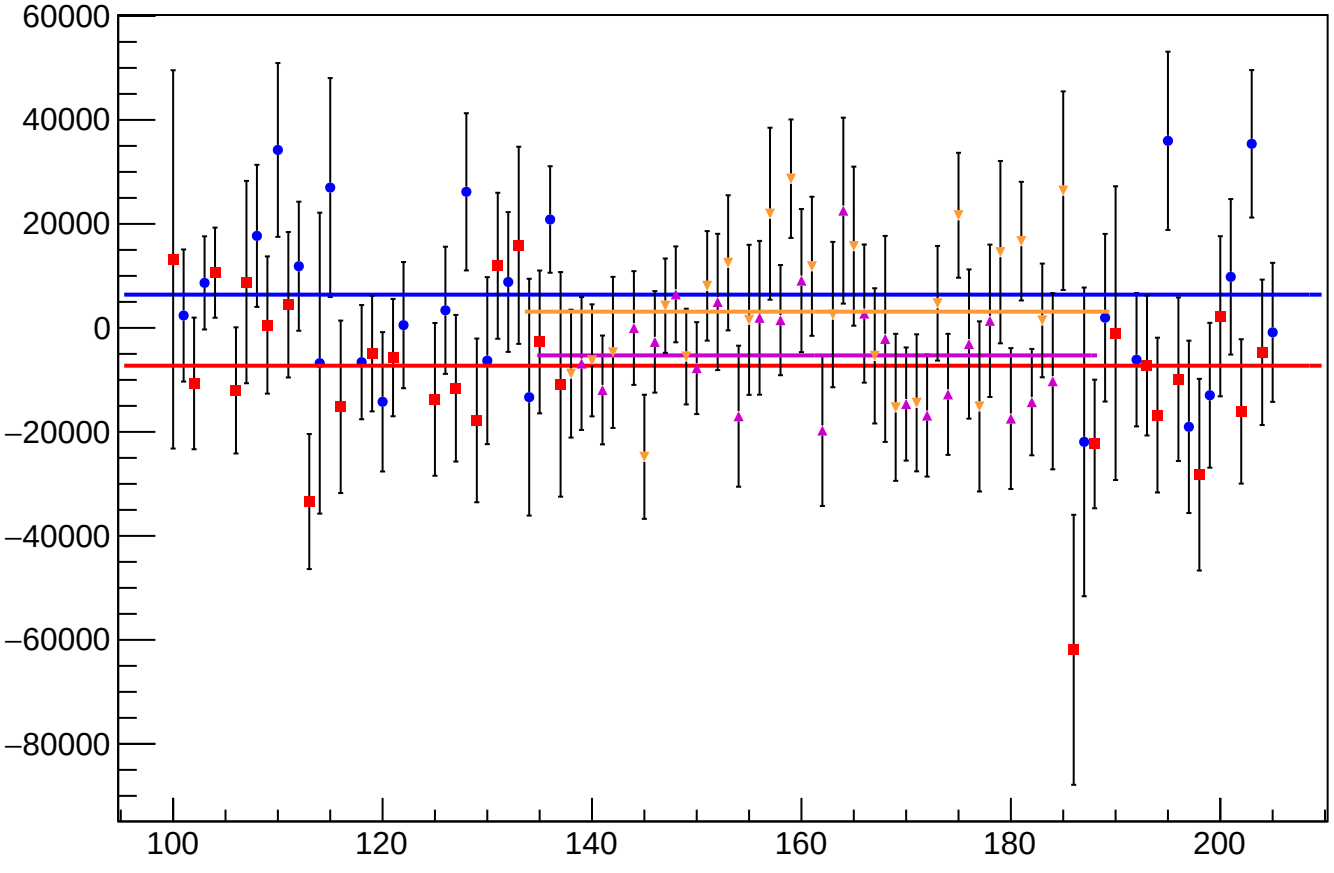
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10483.468+/-1.333 χ^2/NDF: 2779231.6/48

All: 10328.536+/-0.927 χ^2/NDF: 6761379.1/9

- sign 10183.463+/-1.290 χ^2/NDF: 3955978.0/50

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 6394.082+/-2790.416 χ^2/NDF: 27.9/24

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -7270.458+/-2712.407 χ^2/NDF: 23.6/27

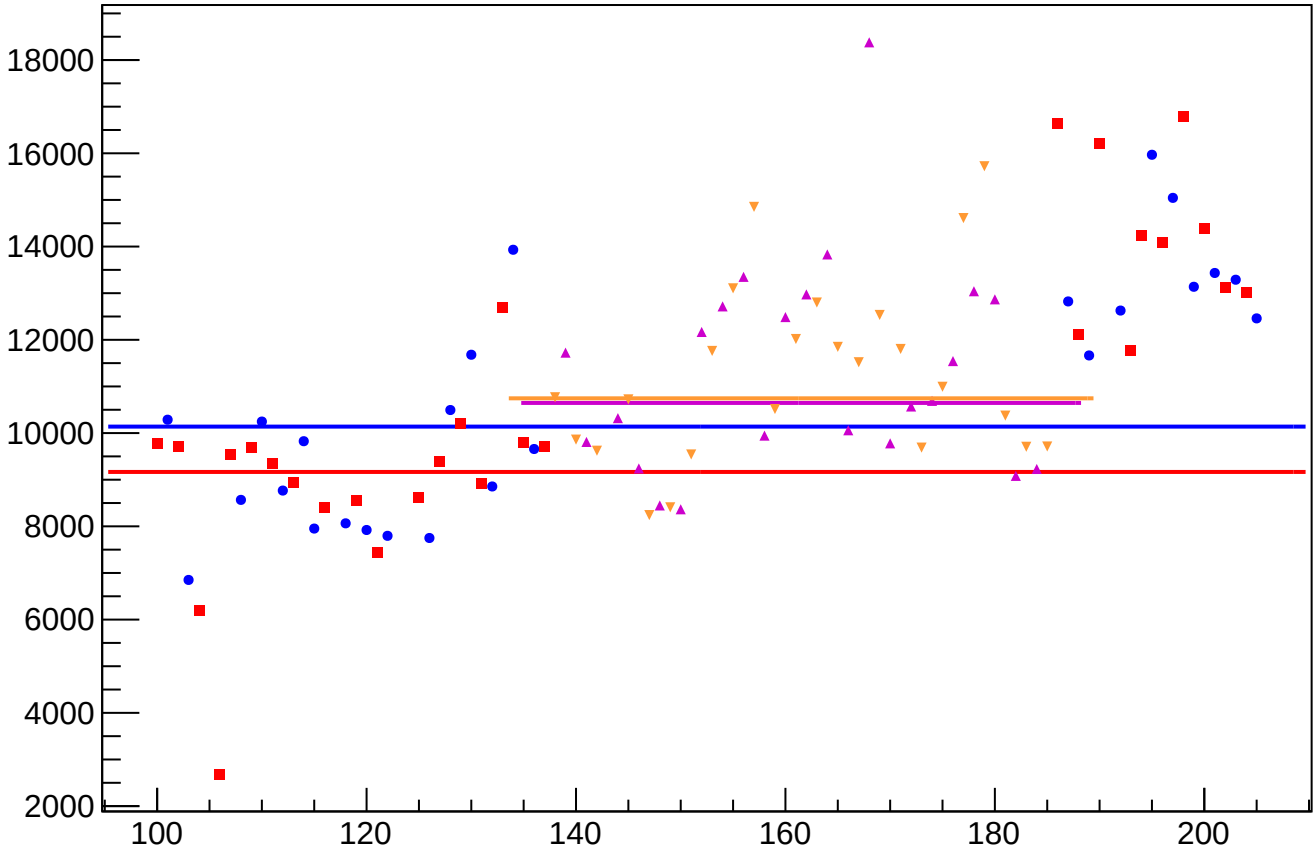
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

\+ sign 4604.932+/-1879.510 χ^2/NDF: 56.1/48

All: -885.869+/-1318.919 χ^2/NDF: 110.1/99

\- sign -6212.953+/-1851.277 χ^2/NDF: 37.2/50

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10138.835+/-1.973 χ^2/NDF: 1581928.4/24

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

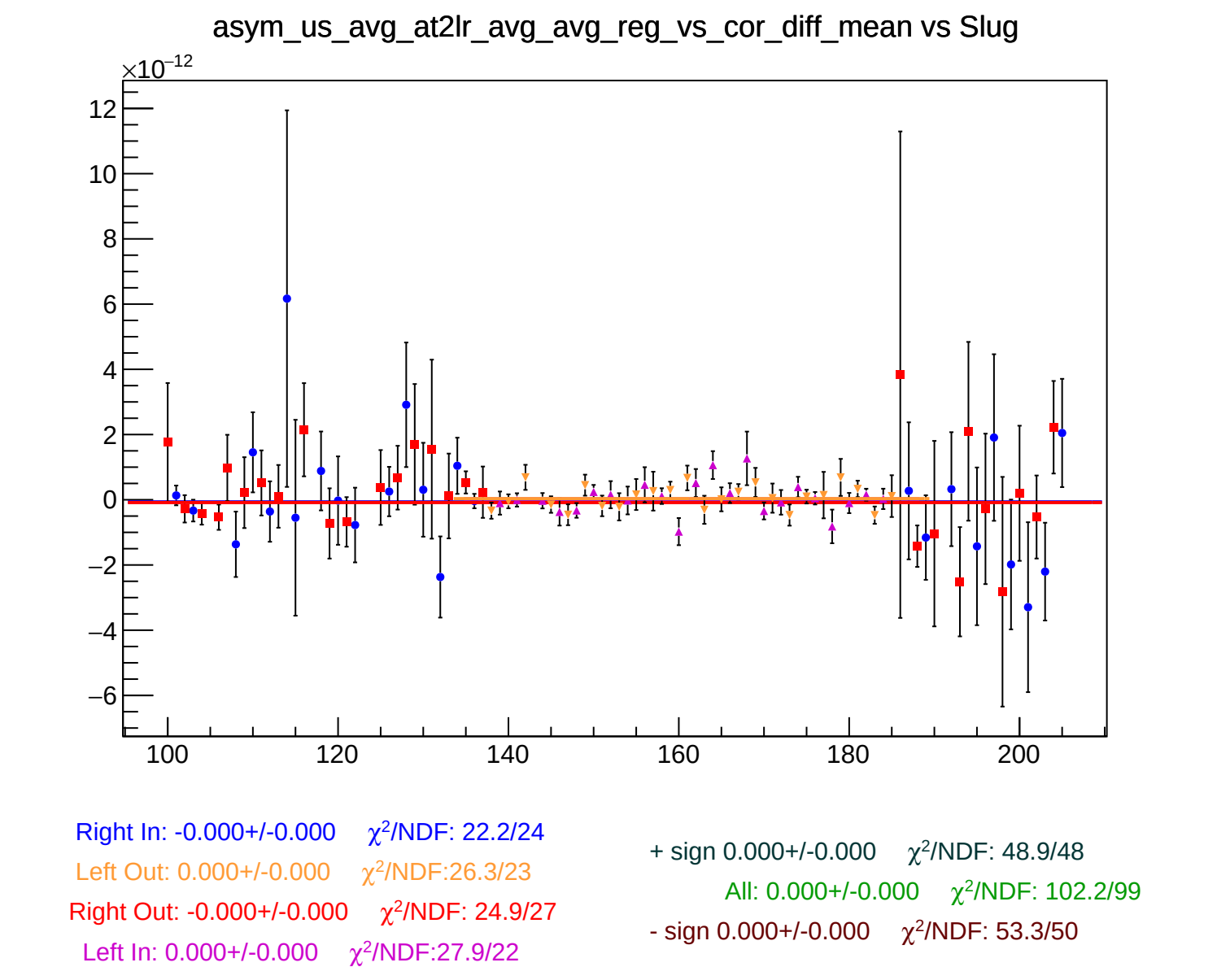
Right Out: 9166.513+/-1.818 χ^2/NDF: 4039923.3/27

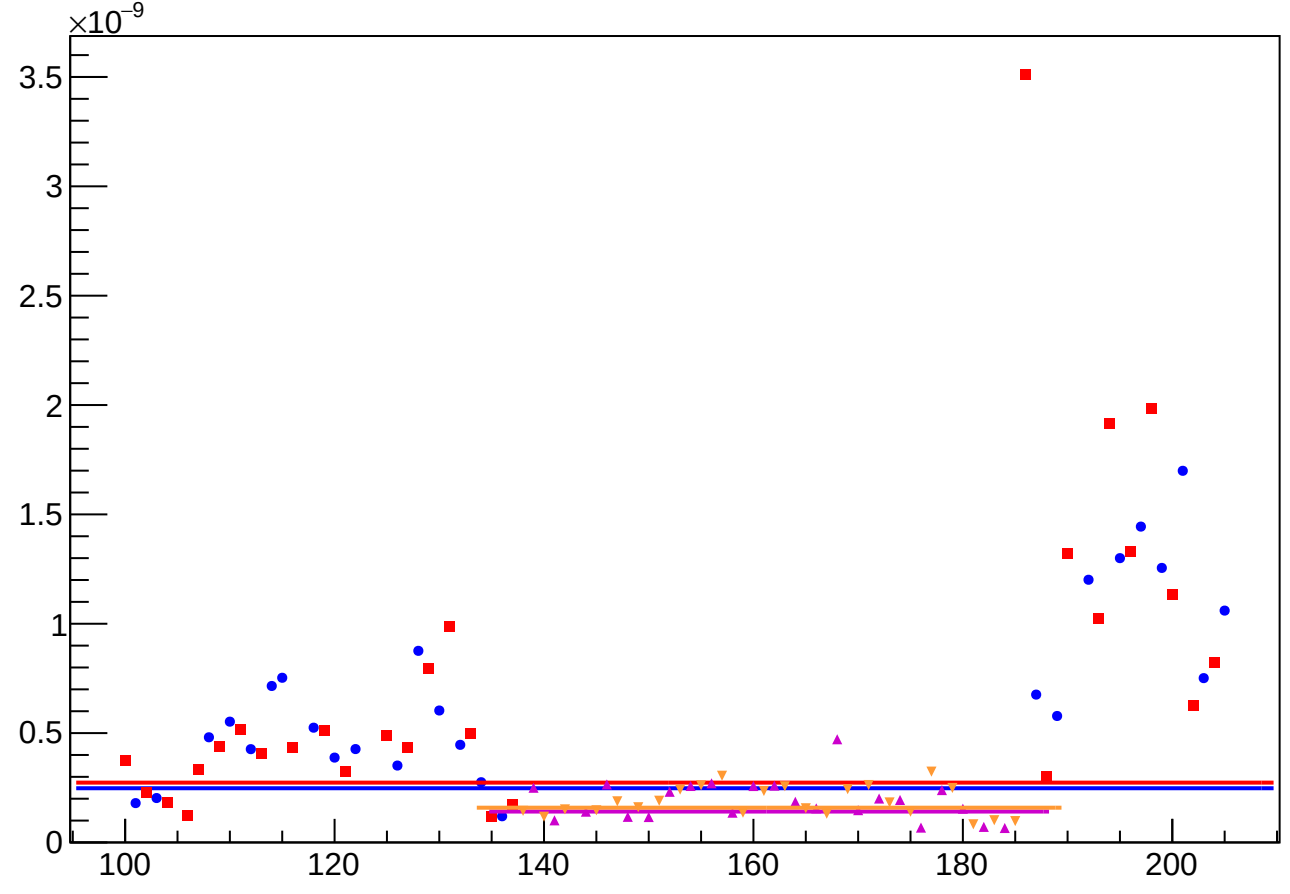
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10470.172+/-1.329 χ^2/NDF: 2598164.2/48

All: 10182.730+/-0.920 χ^2/NDF: 8178250.4/9

- sign 9917.728+/-1.276 χ^2/NDF: 5490181.2/50


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.2/24
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.9/27
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 48.9/48
All: 0.000+/-0.000 χ²/NDF: 102.2/99
- sign 0.000+/-0.000 χ²/NDF: 53.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 5249652.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

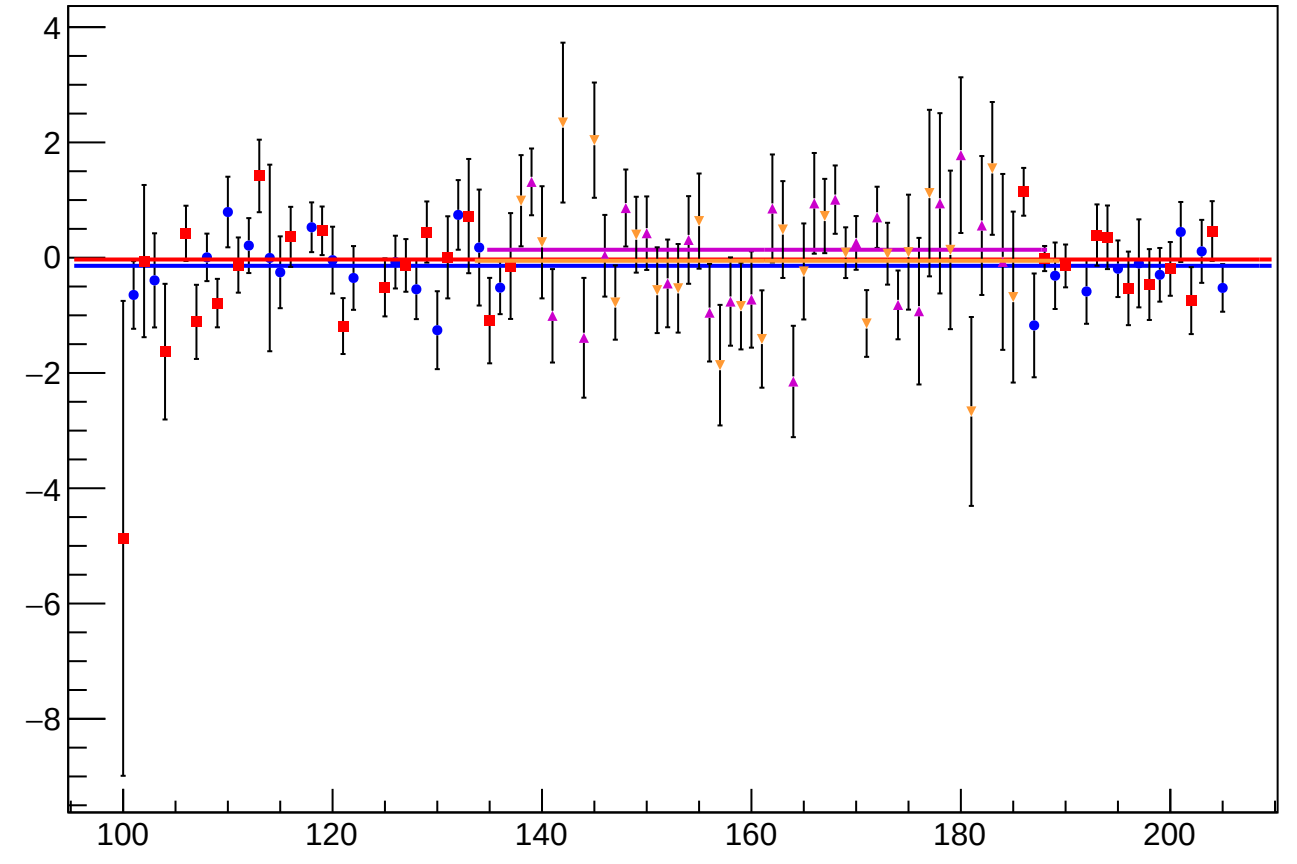
Right Out: 0.000+/-0.000 χ^2/NDF: 5177210.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7224005.1/48

All: 0.000+/-0.000 χ^2/NDF: 16228665.4/99

- sign 0.000+/-0.000 χ^2/NDF: 8937792.7/50



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

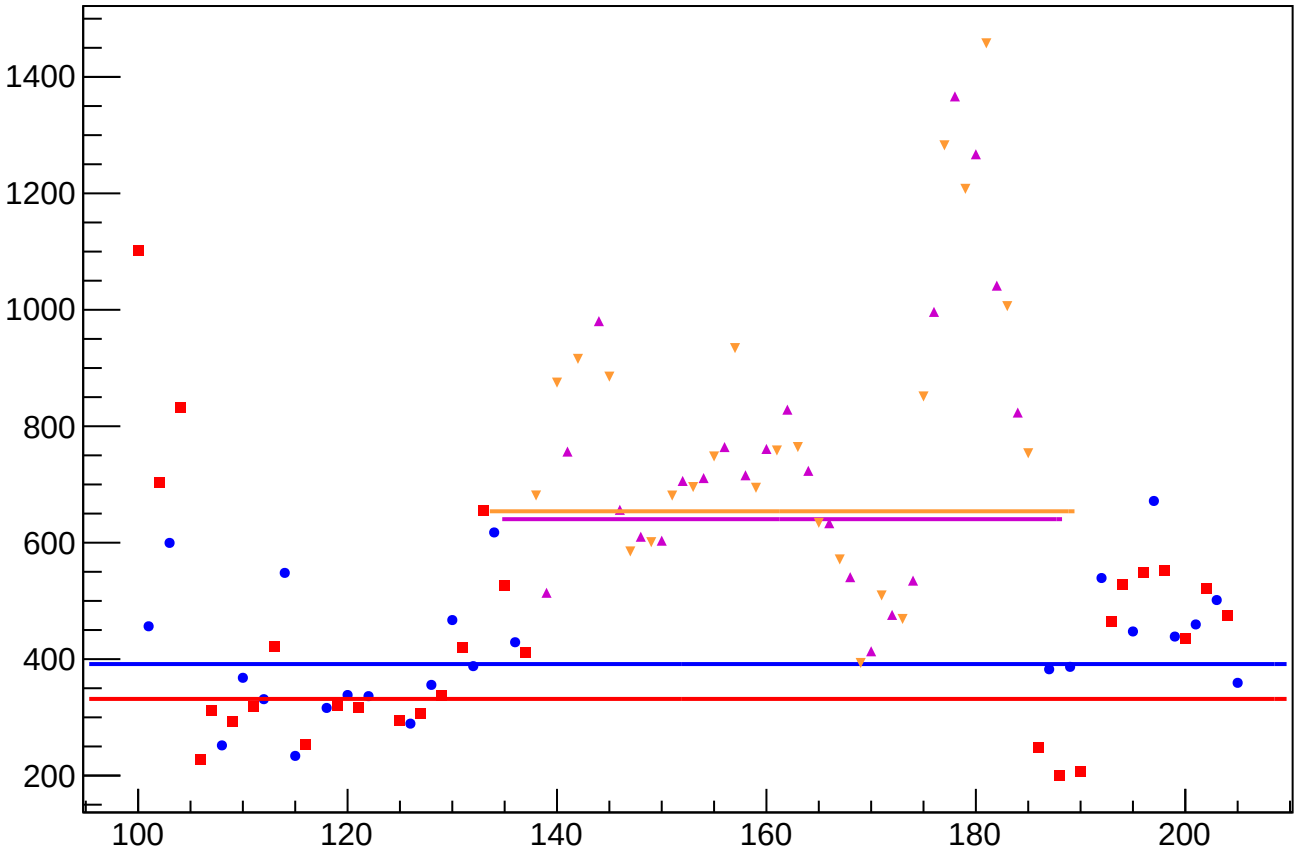
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.043+/-0.061 χ^2/NDF: 120.0/99

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

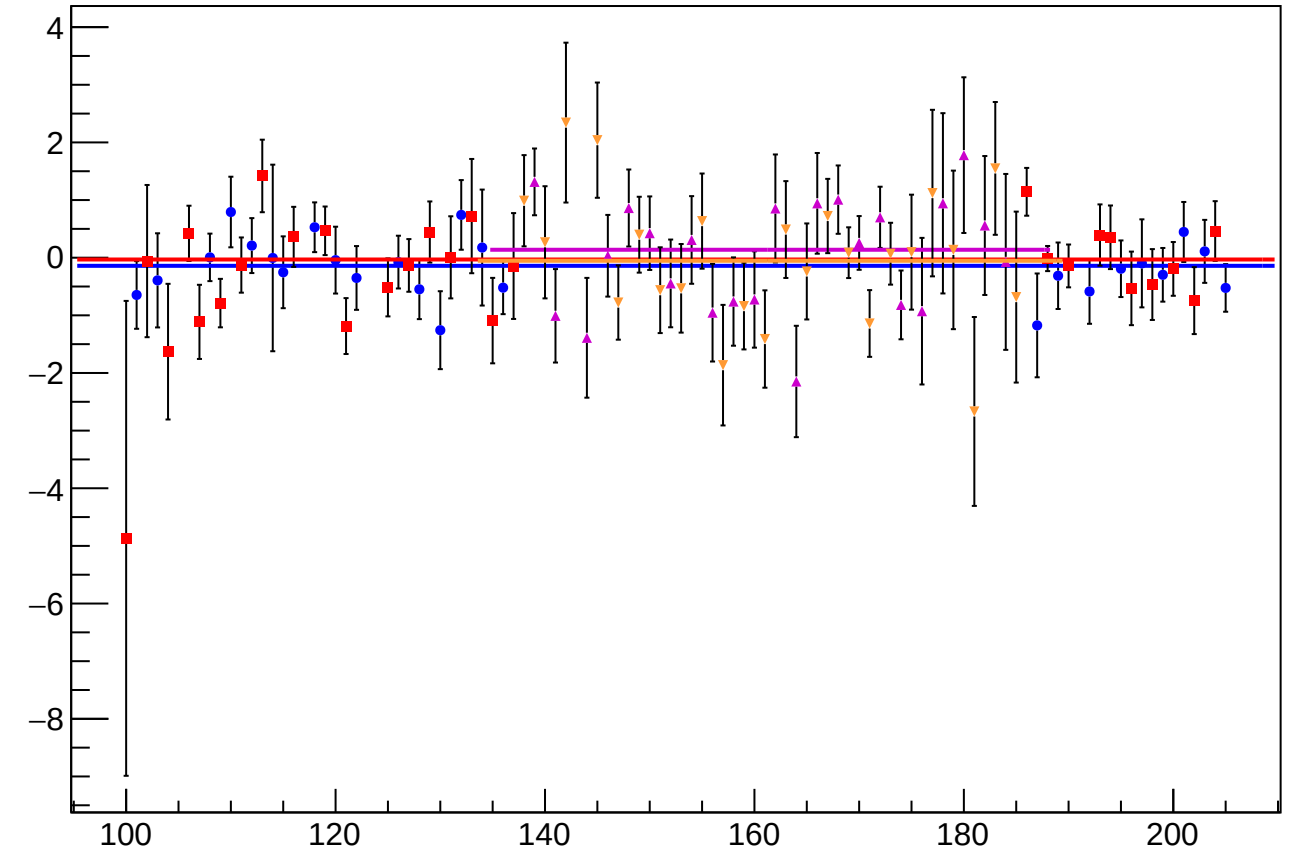
Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 475.333+/-0.064 χ^2/NDF: 8220786.2/48

All: 441.443+/-0.043 χ^2/NDF: 20550716.0/99

- sign 414.258+/-0.058 χ^2/NDF: 11831888.5/50



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

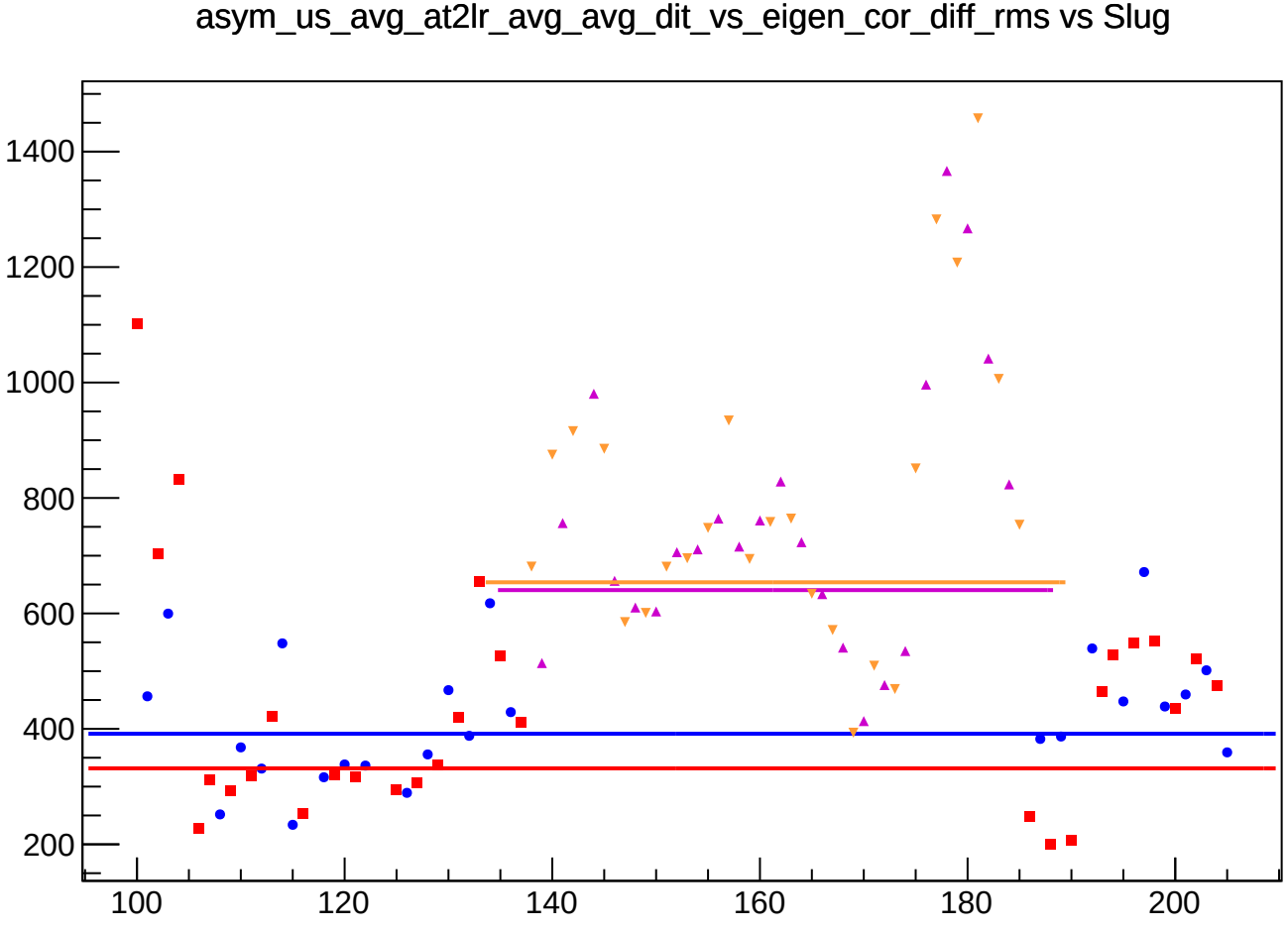
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.043+/-0.061 χ^2/NDF: 120.0/99

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

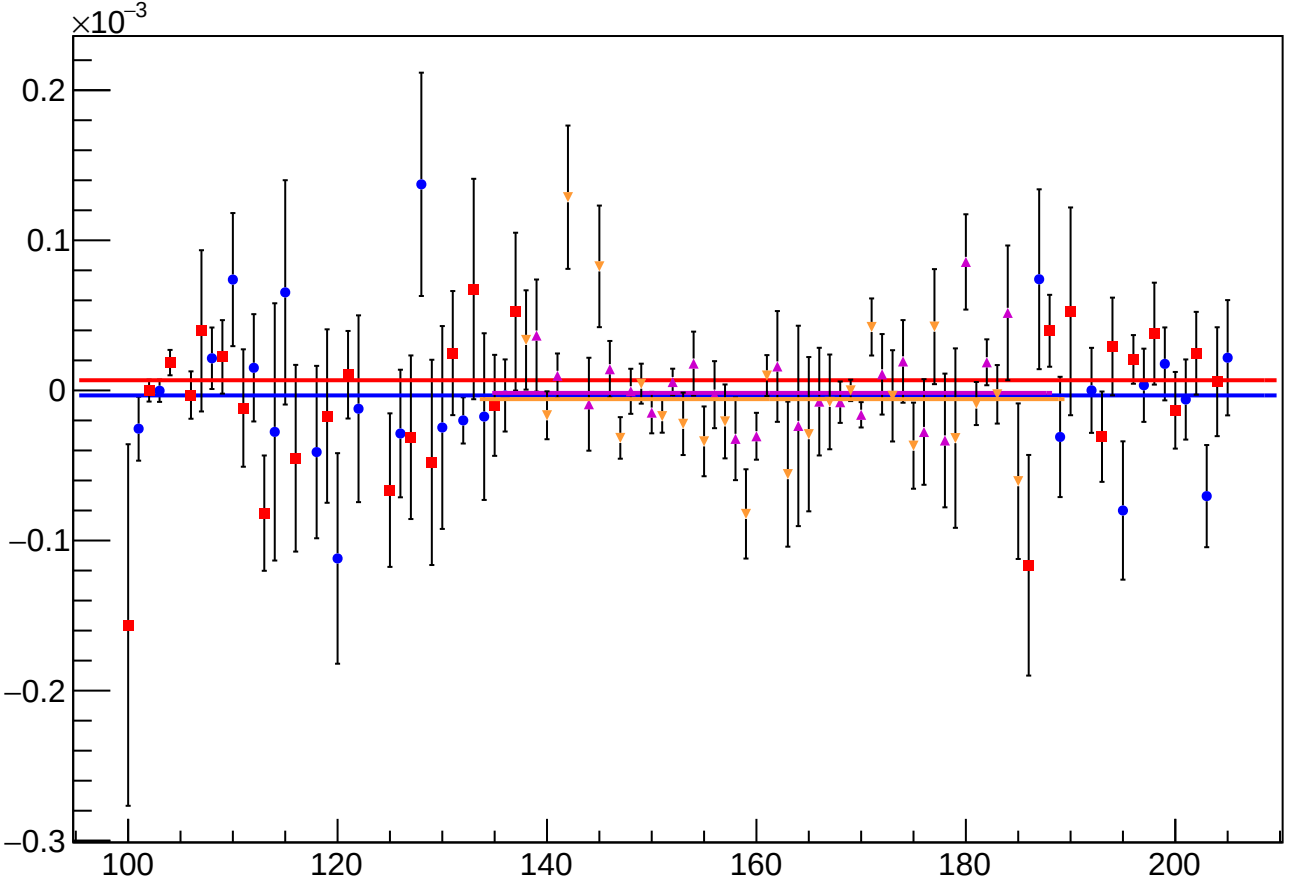
Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 475.333+/-0.064 χ^2/NDF: 8220786.2/48

All: 441.443+/-0.043 χ^2/NDF: 20550716.0/99

- sign 414.258+/-0.058 χ^2/NDF: 11831888.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

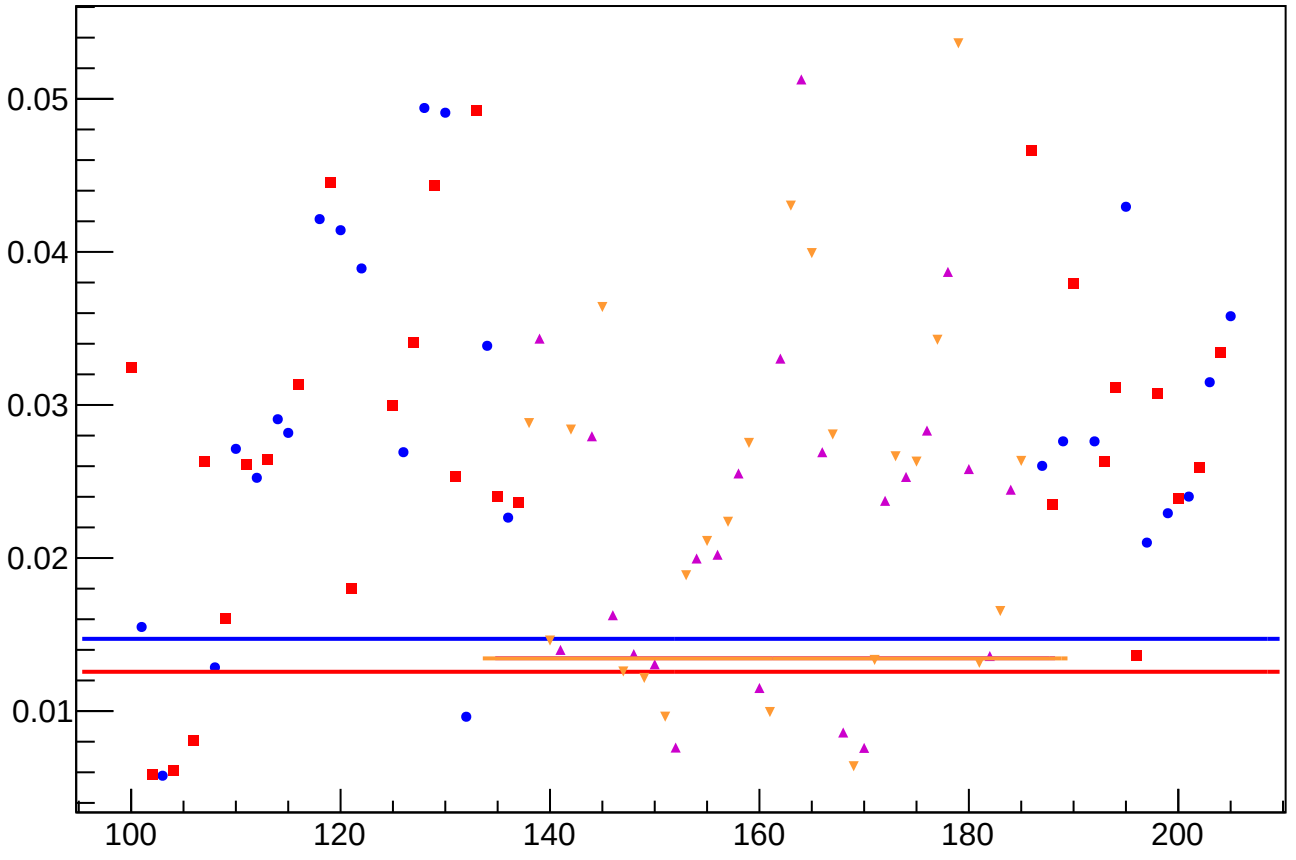
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.9/48

All: -0.000+/-0.000 χ^2/NDF: 125.8/99

- sign 0.000+/-0.000 χ^2/NDF: 55.0/50



Right In: 0.015+/-0.000 χ^2/NDF: 9343625.1/24

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

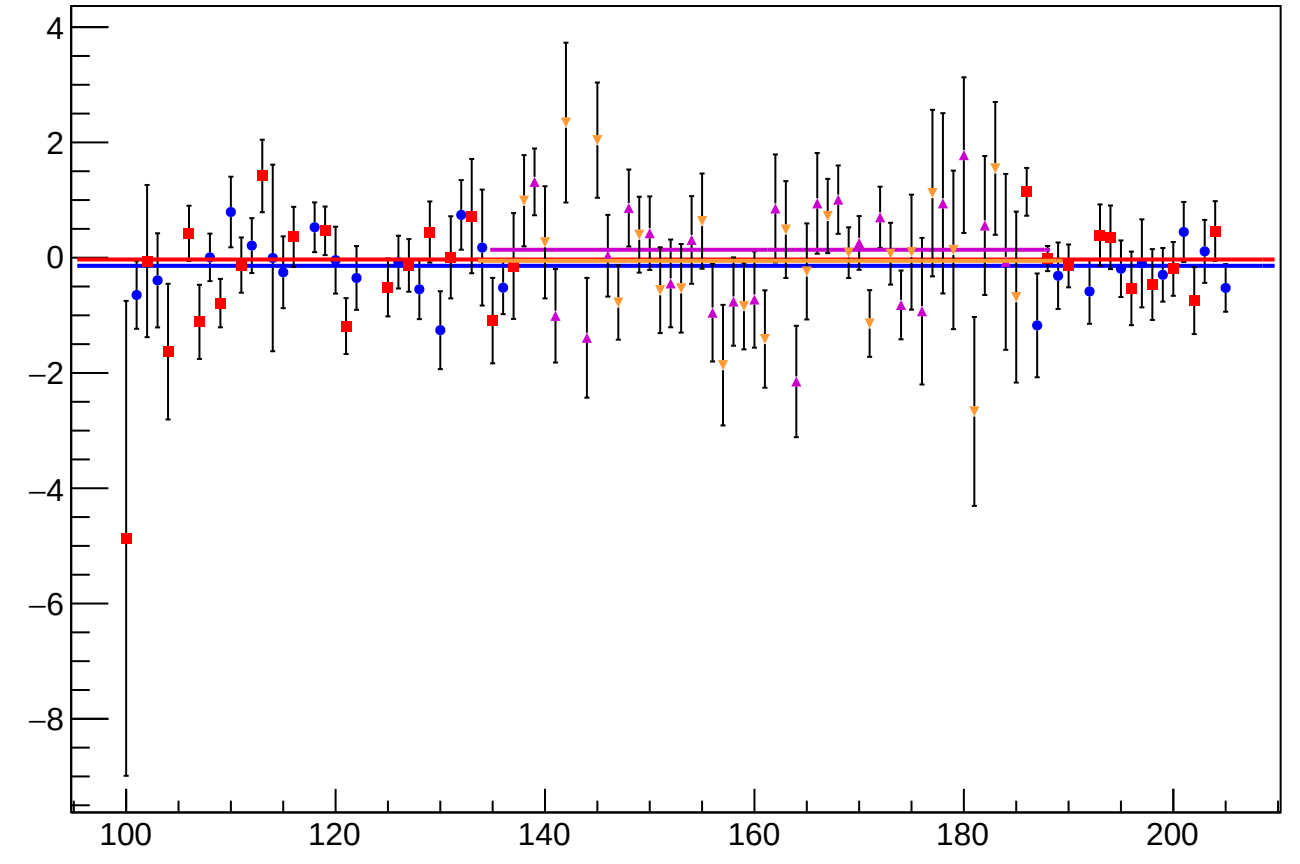
Right Out: 0.013+/-0.000 χ^2/NDF: 10877851.9/27

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 18285772.9/48

All: 0.013+/-0.000 χ^2/NDF: 36848123.8/99

- sign 0.013+/-0.000 χ^2/NDF: 18476389.6/50



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

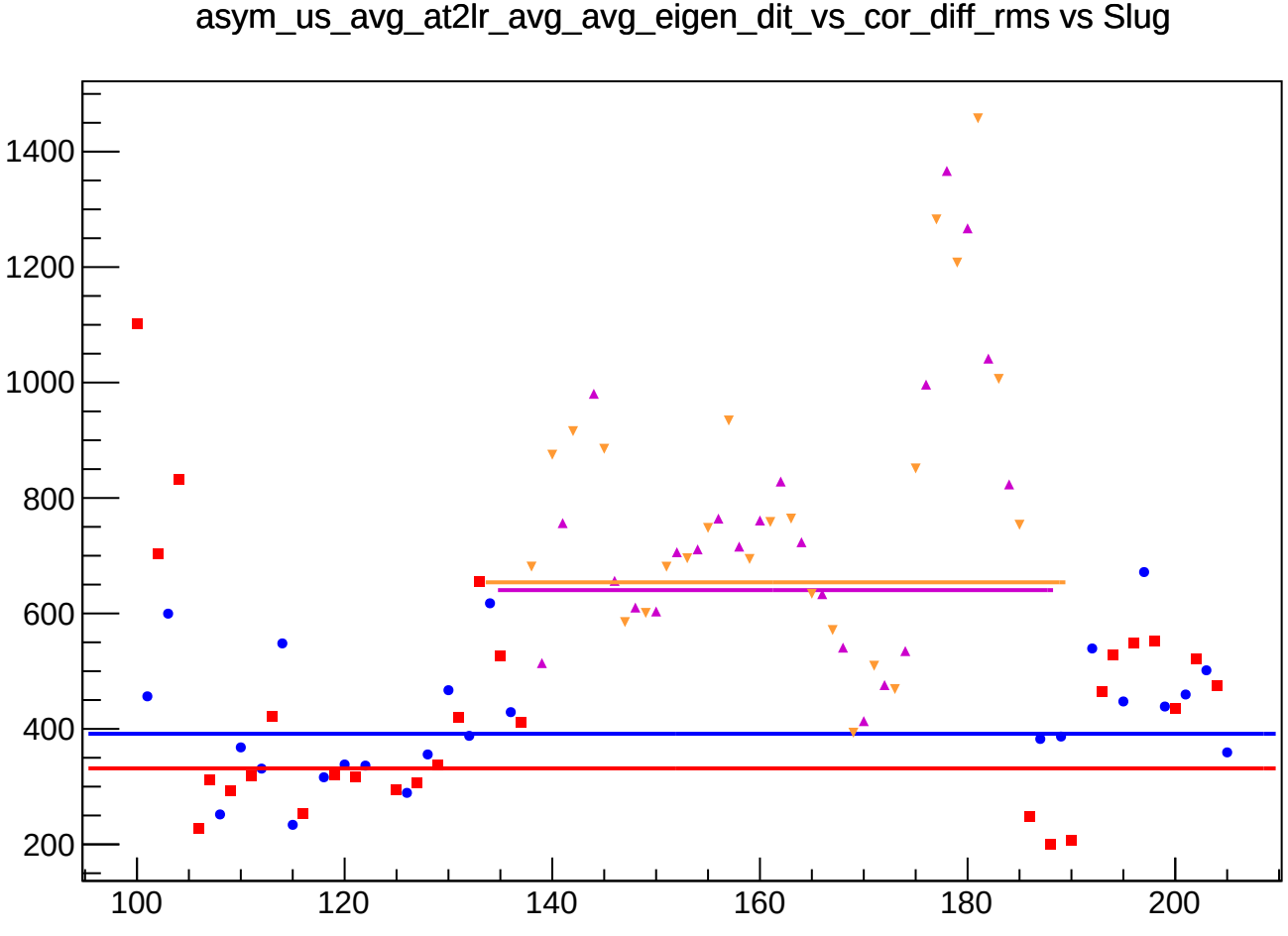
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.043+/-0.061 χ^2/NDF: 120.0/99

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

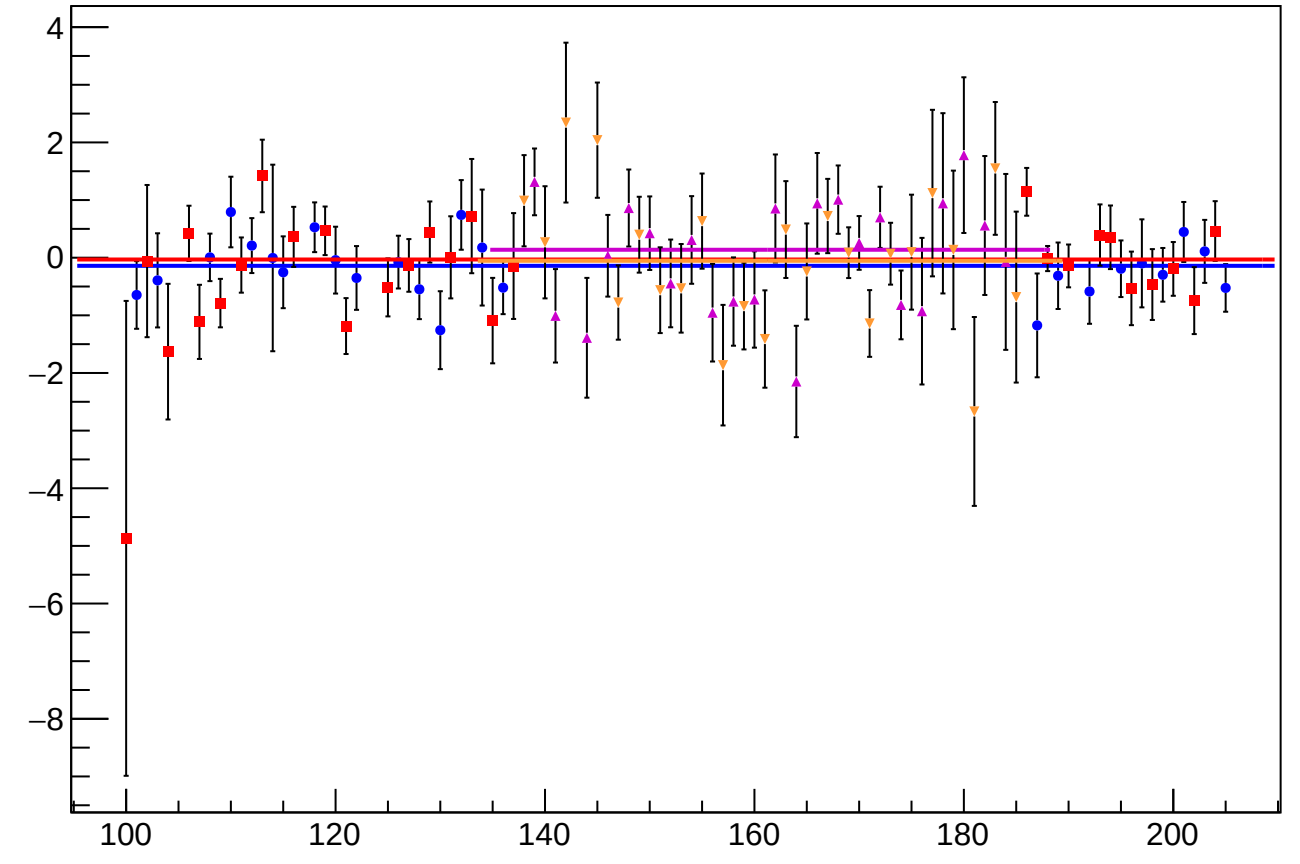
Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 475.332+/-0.064 χ^2/NDF: 8221002.7/48

All: 441.440+/-0.043 χ^2/NDF: 20551691.7/99

- sign 414.252+/-0.058 χ^2/NDF: 11832562.2/50



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

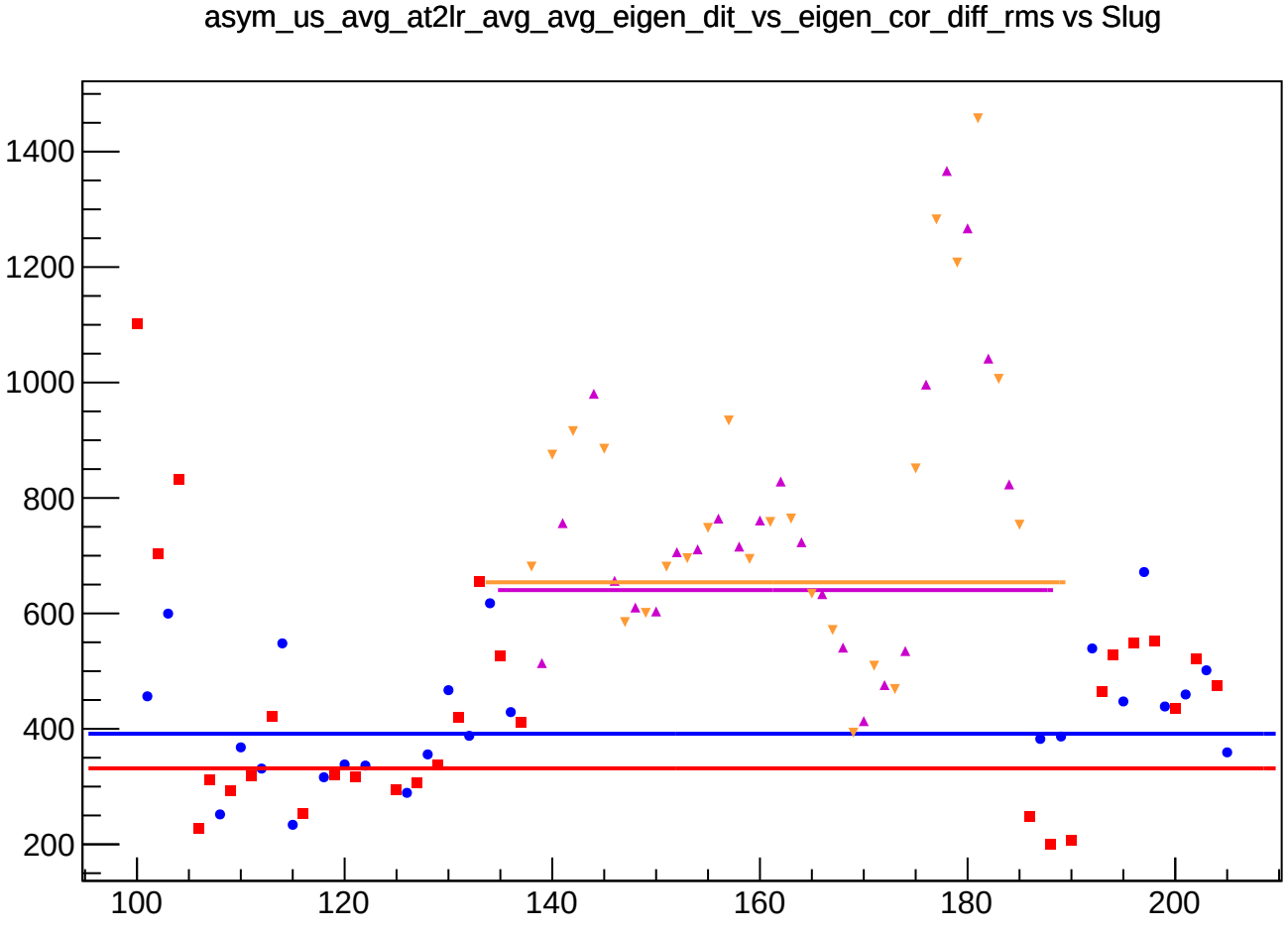
Right Out: -0.031+/-0.095 χ^2/NDF: 40.5/27

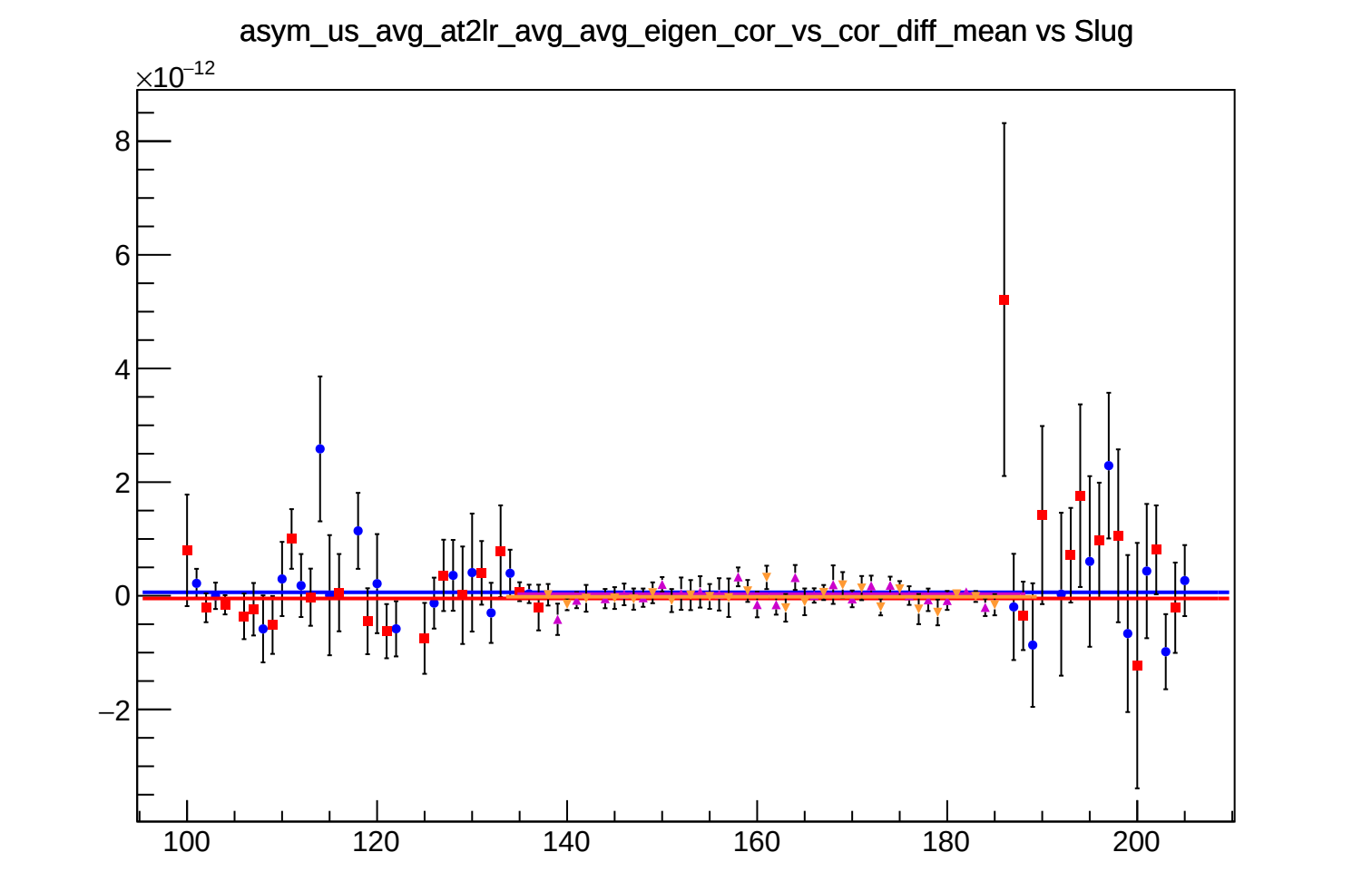
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.043+/-0.061 χ^2/NDF: 120.0/99

- sign 0.014+/-0.082 χ^2/NDF: 71.3/50


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 391.533+/-0.078 χ²/NDF: 1495085.9/24
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 331.652+/-0.067 χ²/NDF: 3581297.6/27
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 475.332+/-0.064 χ²/NDF: 8221002.7/48
All: 441.440+/-0.043 χ²/NDF: 20551691.7/99
- sign 414.252+/-0.058 χ²/NDF: 11832562.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

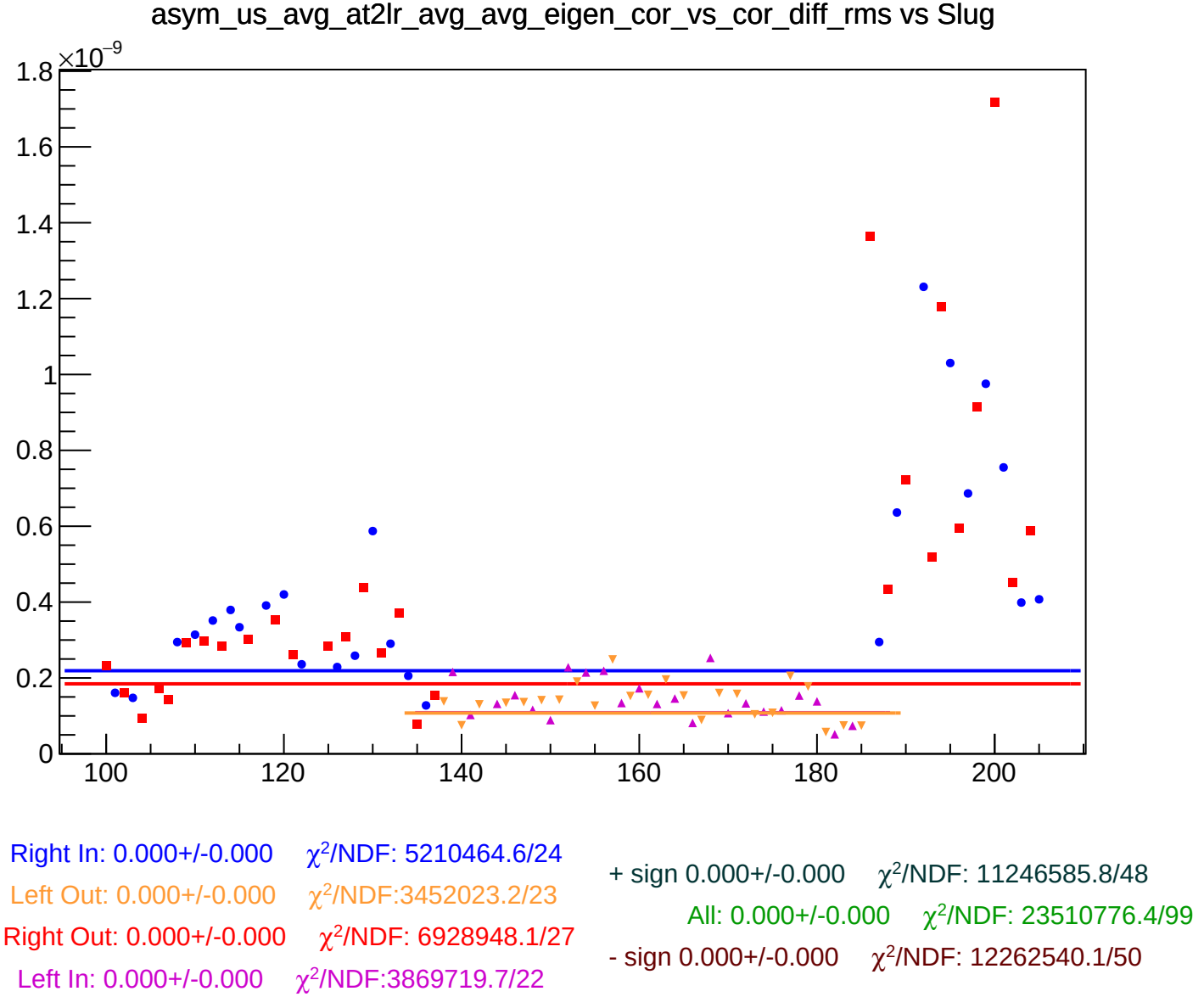
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/27

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

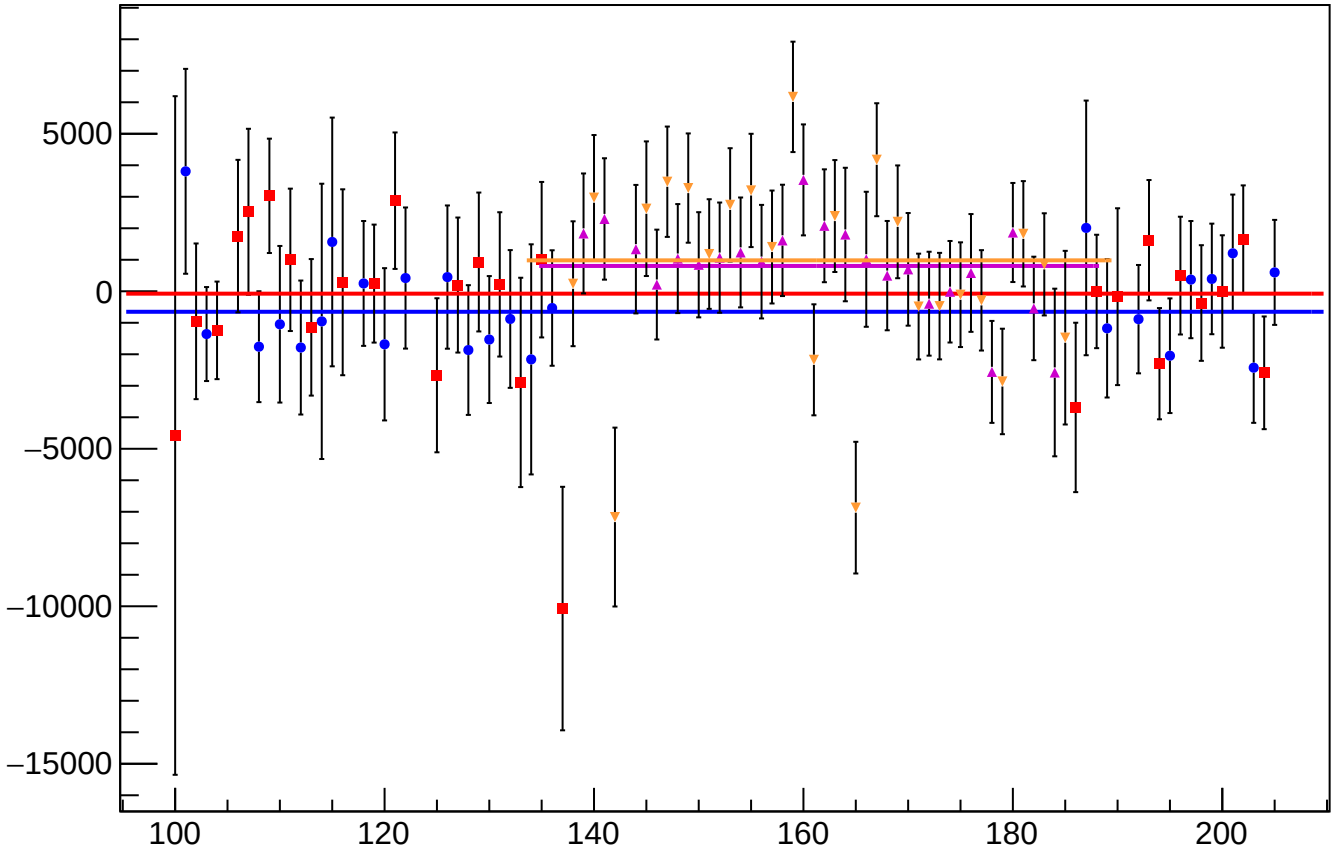
+ sign -0.000+/-0.000 χ^2/NDF: 32.5/48

All: 0.000+/-0.000 χ^2/NDF: 73.8/99

- sign 0.000+/-0.000 χ^2/NDF: 41.0/50


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5210464.6/24
Left Out: 0.000+/-0.000 χ²/NDF:3452023.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6928948.1/27
Left In: 0.000+/-0.000 χ²/NDF:3869719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 11246585.8/48
All: 0.000+/-0.000 χ²/NDF: 23510776.4/99
- sign 0.000+/-0.000 χ²/NDF: 12262540.1/50

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -650.918+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -75.742+/-406.636 χ^2/NDF: 23.9/27

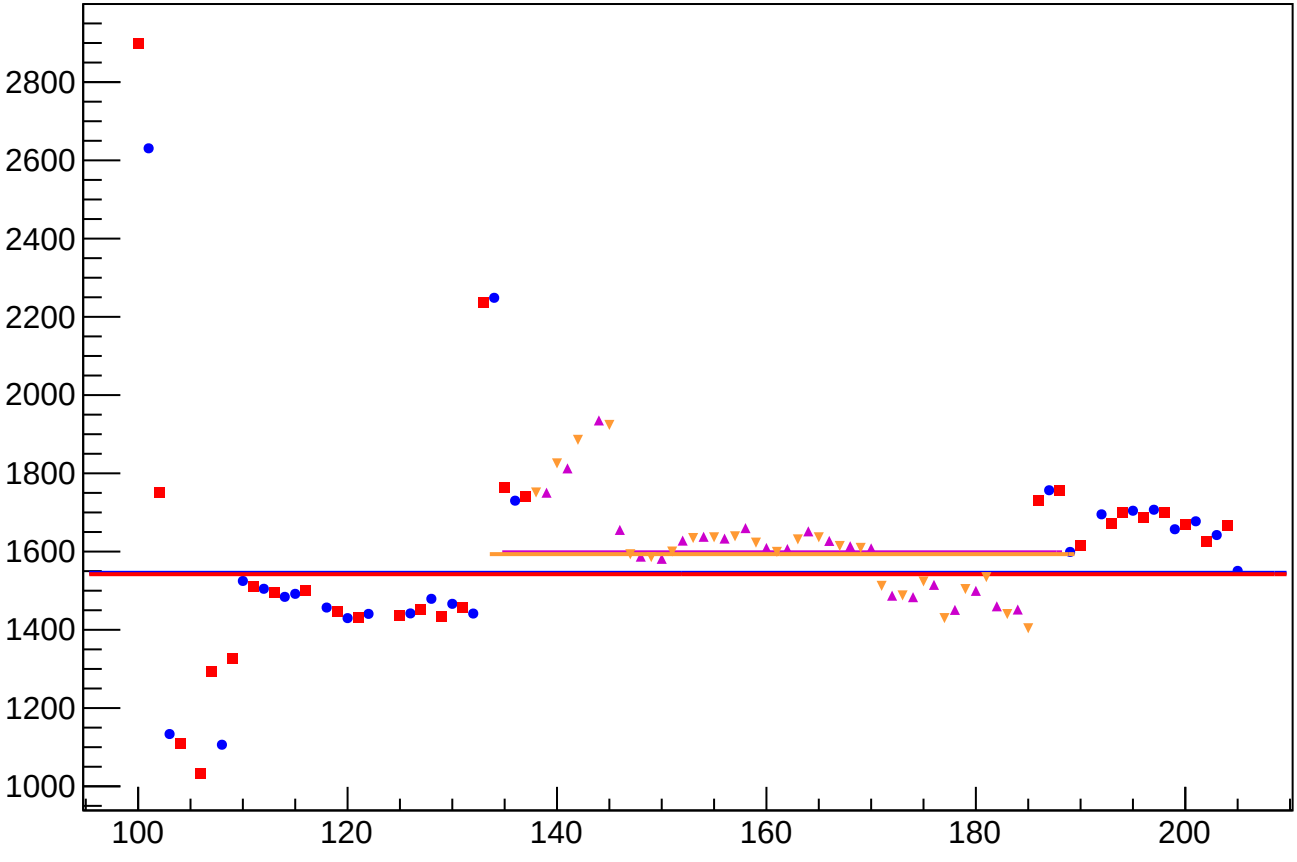
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 261.137+/-277.184 χ^2/NDF: 73.1/48

All: 331.403+/-195.329 χ^2/NDF: 112.2/99

\- sign 400.717+/-275.300 χ^2/NDF: 38.9/50

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.714+/-0.295 χ^2/NDF: 698844.7/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

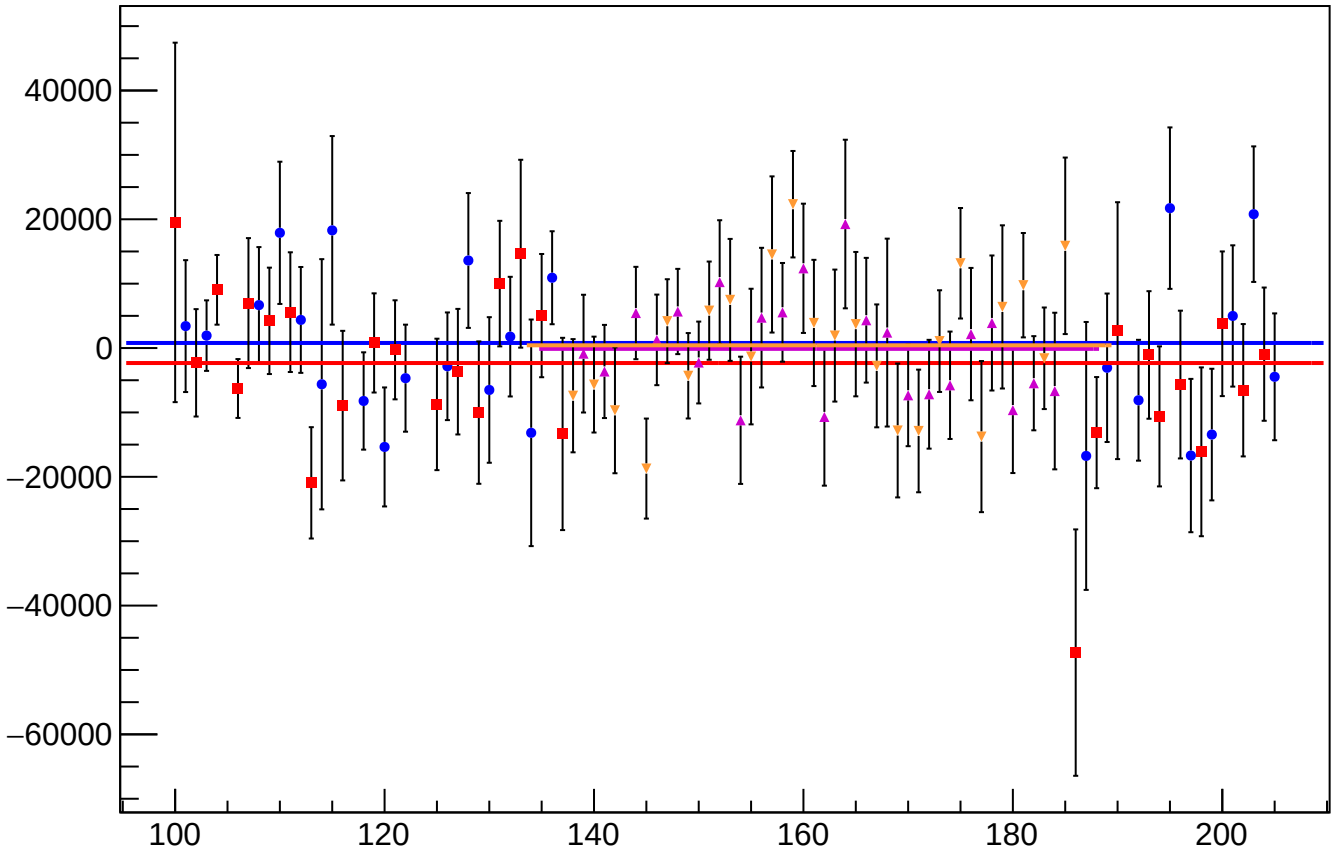
Right Out: 1542.159+/-0.286 χ^2/NDF: 613938.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1572.401+/-0.196 χ^2/NDF: 901103.2/48

All: 1572.378+/-0.138 χ^2/NDF: 1704806.3/99

- sign 1572.356+/-0.194 χ^2/NDF: 803703.1/50



Right In: 789.549+/-1938.140 χ^2/NDF: 26.9/24

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -2326.797+/-1755.217 χ^2/NDF: 27.6/27

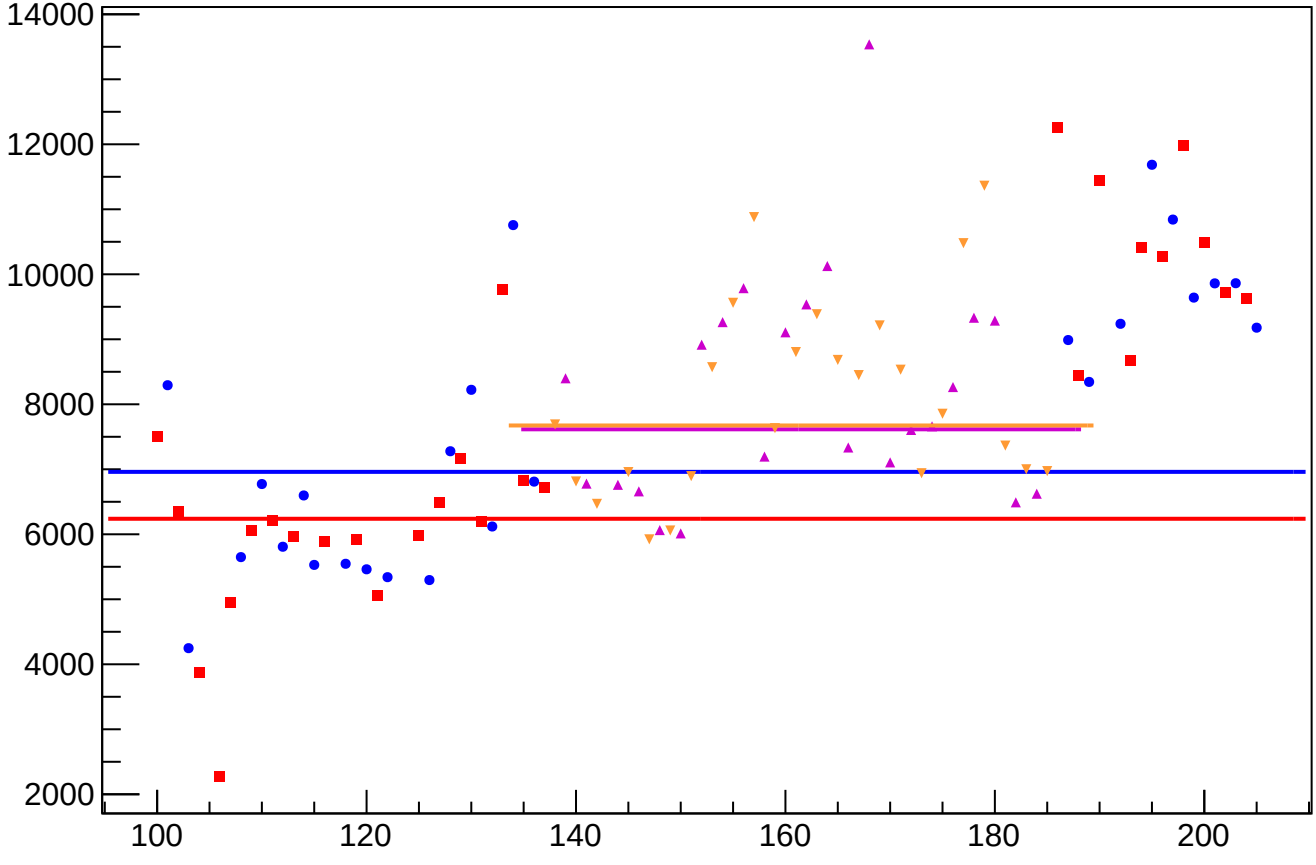
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 596.718+/-1326.688 χ^2/NDF: 56.3/48

All: -379.989+/-914.259 χ^2/NDF: 99.6/99

- sign -1263.316+/-1261.674 χ^2/NDF: 42.2/50

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 6960.413+/-1.370 χ^2/NDF: 2234033.9/24

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6238.682+/-1.241 χ^2/NDF: 4363592.2/27

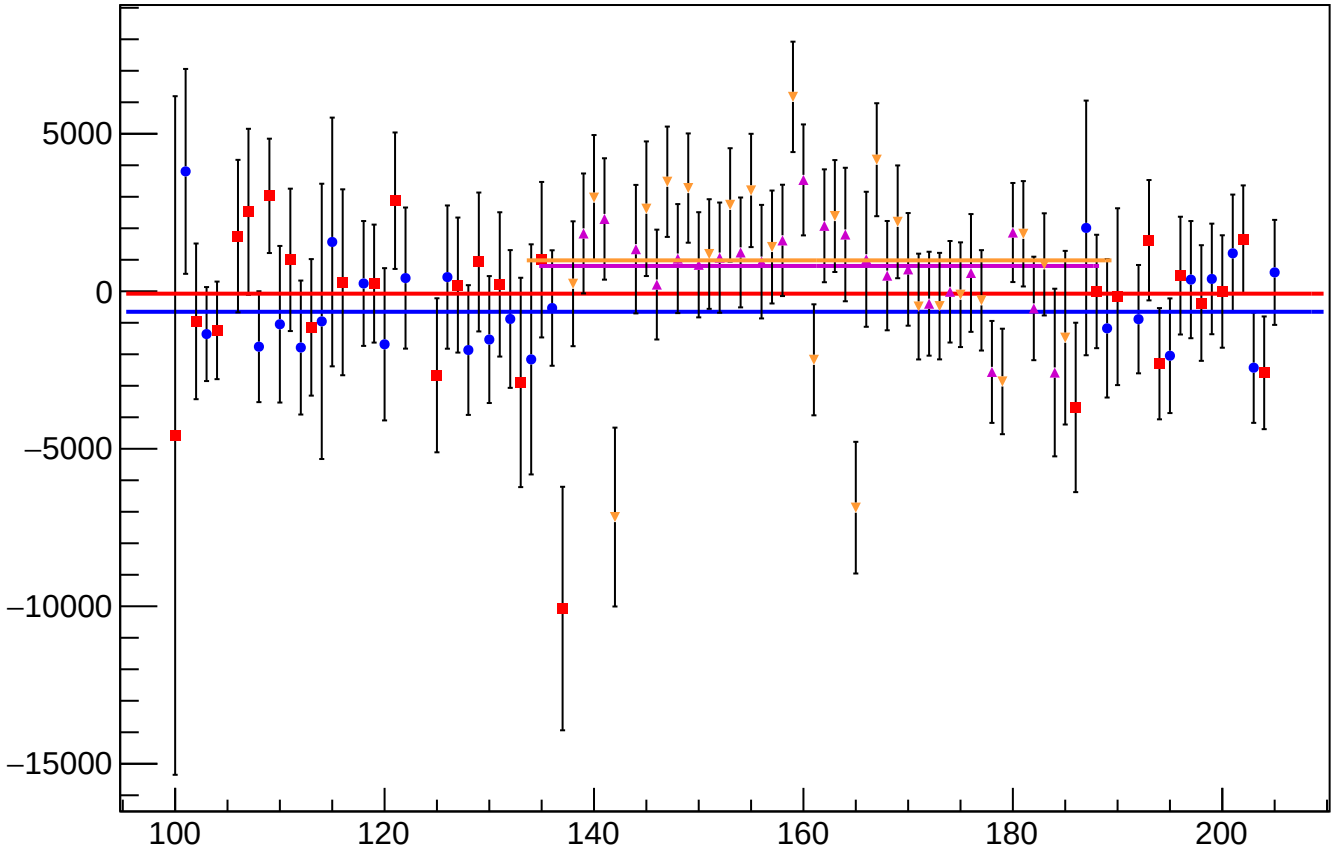
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7339.672+/-0.938 χ^2/NDF: 3454852.5/48

All: 7110.823+/-0.646 χ^2/NDF: 9750604.4/99

- sign 6903.853+/-0.892 χ^2/NDF: 6182420.7/50

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -650.961+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -75.796+/-406.636 χ^2/NDF: 23.9/27

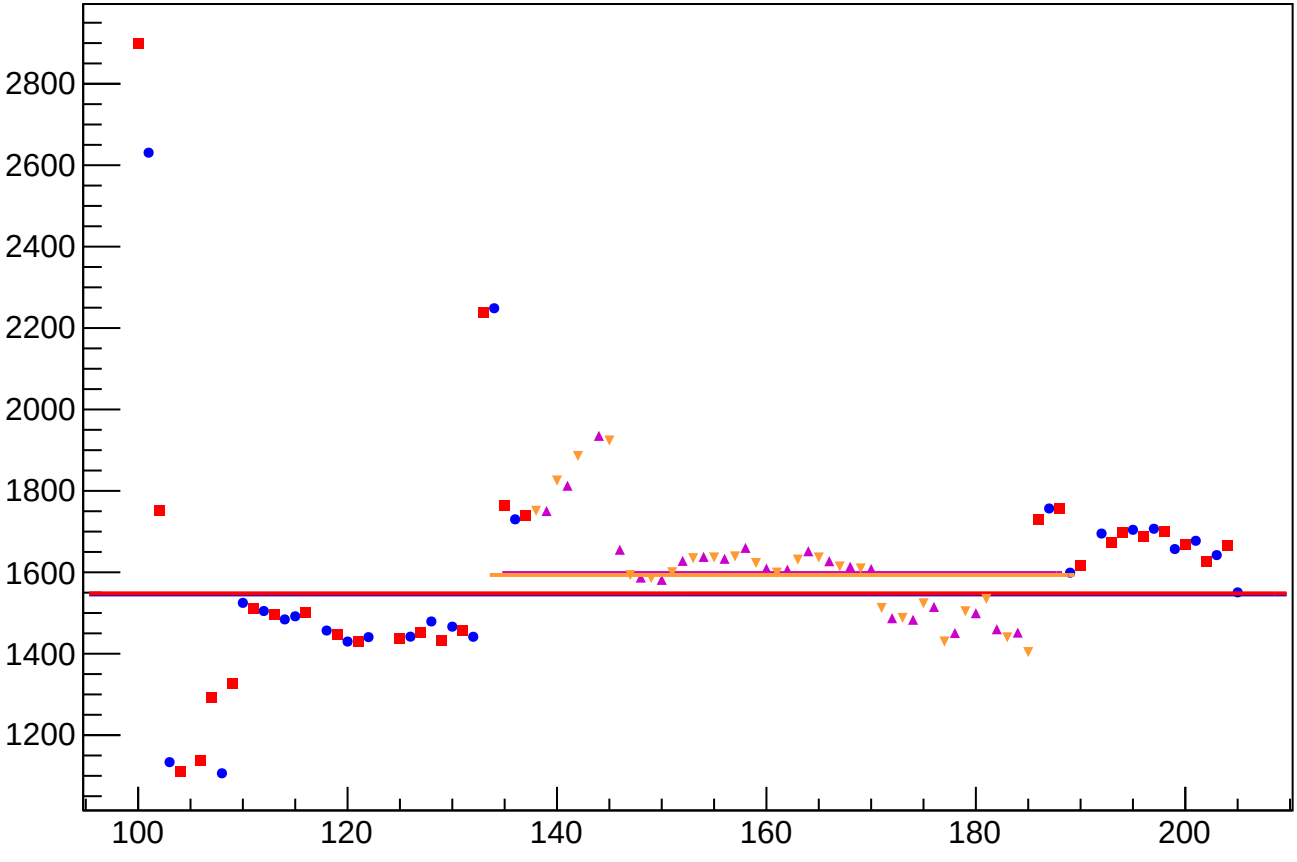
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 261.165+/-277.184 χ^2/NDF: 73.1/48

All: 331.371+/-195.329 χ^2/NDF: 112.2/99

- sign 400.625+/-275.300 χ^2/NDF: 38.9/50

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

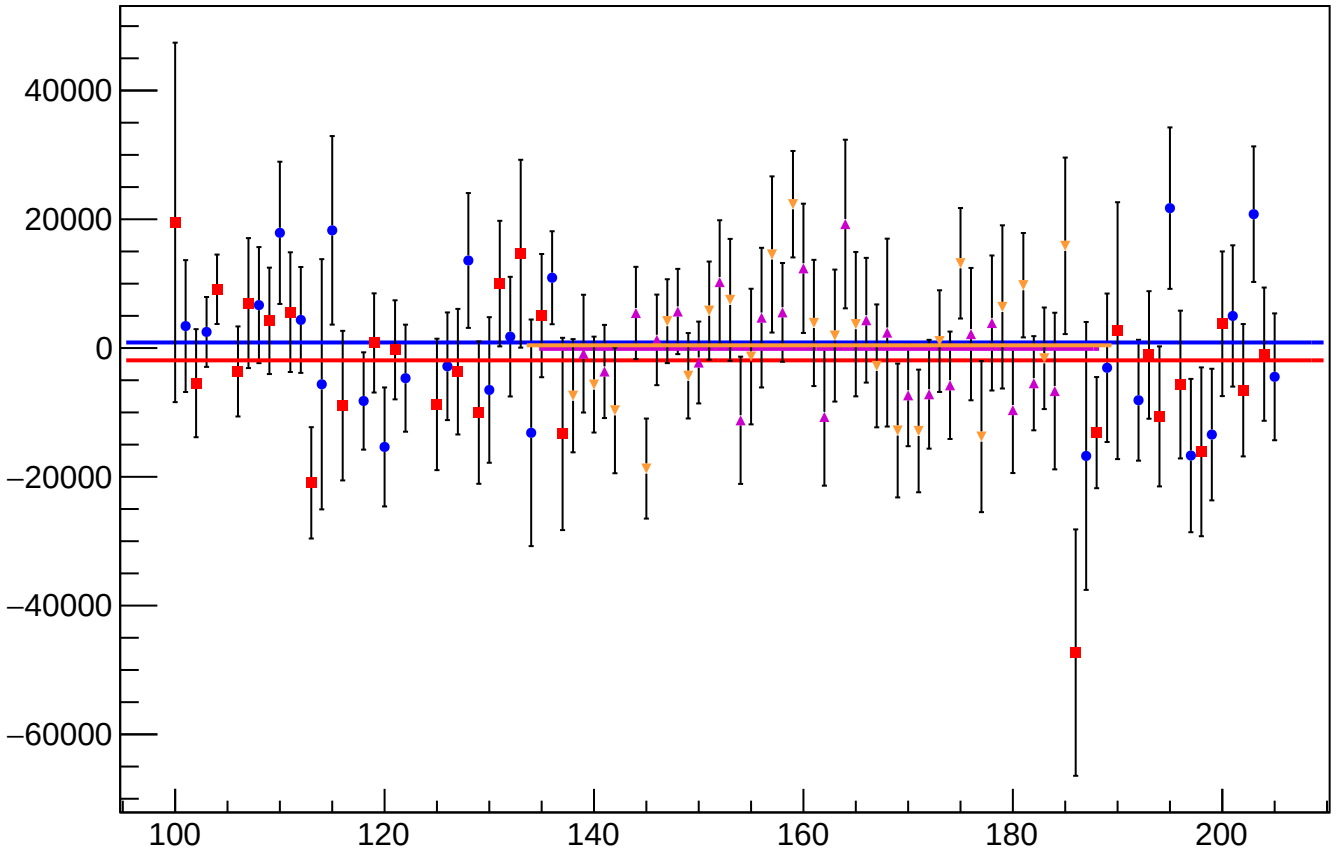
Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1572.401+/-0.196 χ^2/NDF: 901103.7/48

All: 1573.820+/-0.138 χ^2/NDF: 1647158.7/99

- sign 1575.219+/-0.195 χ^2/NDF: 745950.9/50



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

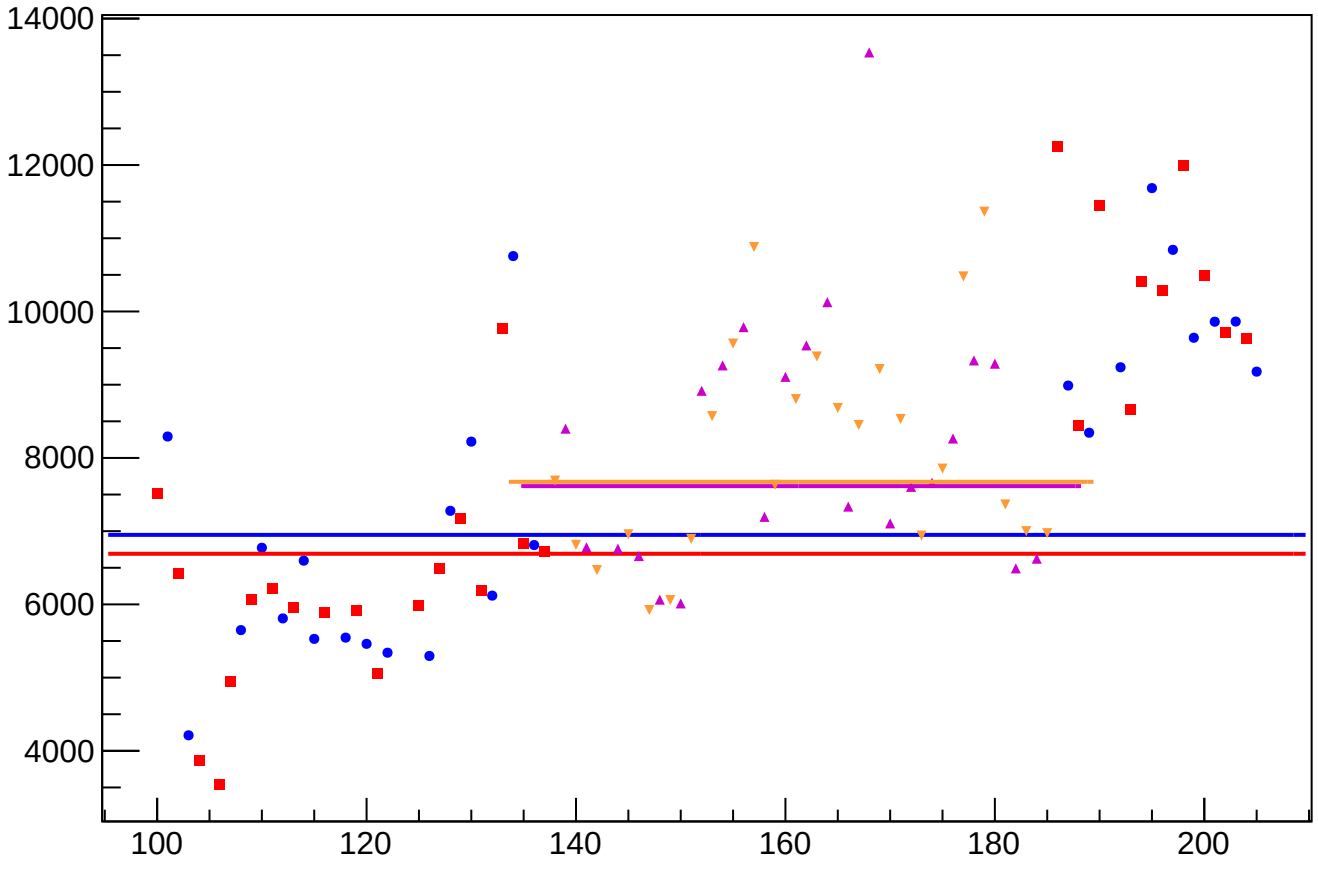
Right Out: -1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 632.436+/-1325.932 χ^2/NDF: 56.4/48

All: -211.161+/-924.635 χ^2/NDF: 98.6/99

- sign -1009.738+/-1290.067 χ^2/NDF: 41.4/50



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

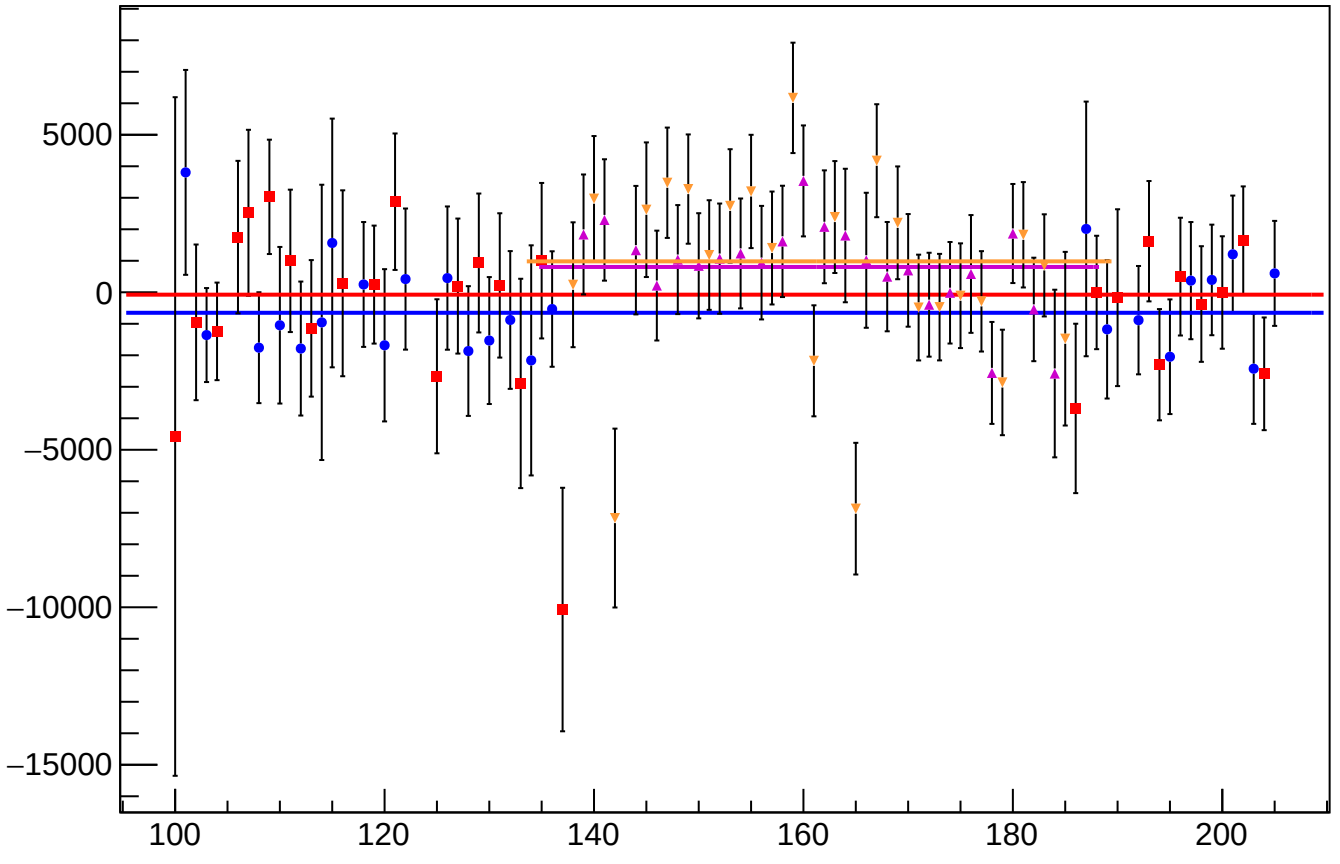
Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7334.016+/-0.938 χ^2/NDF: 3482243.4/48

All: 7243.586+/-0.654 χ^2/NDF: 8021967.7/99

- sign 7157.983+/-0.912 χ^2/NDF: 4521615.3/50



Right In: -650.961+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -75.796+/-406.636 χ^2/NDF: 23.9/27

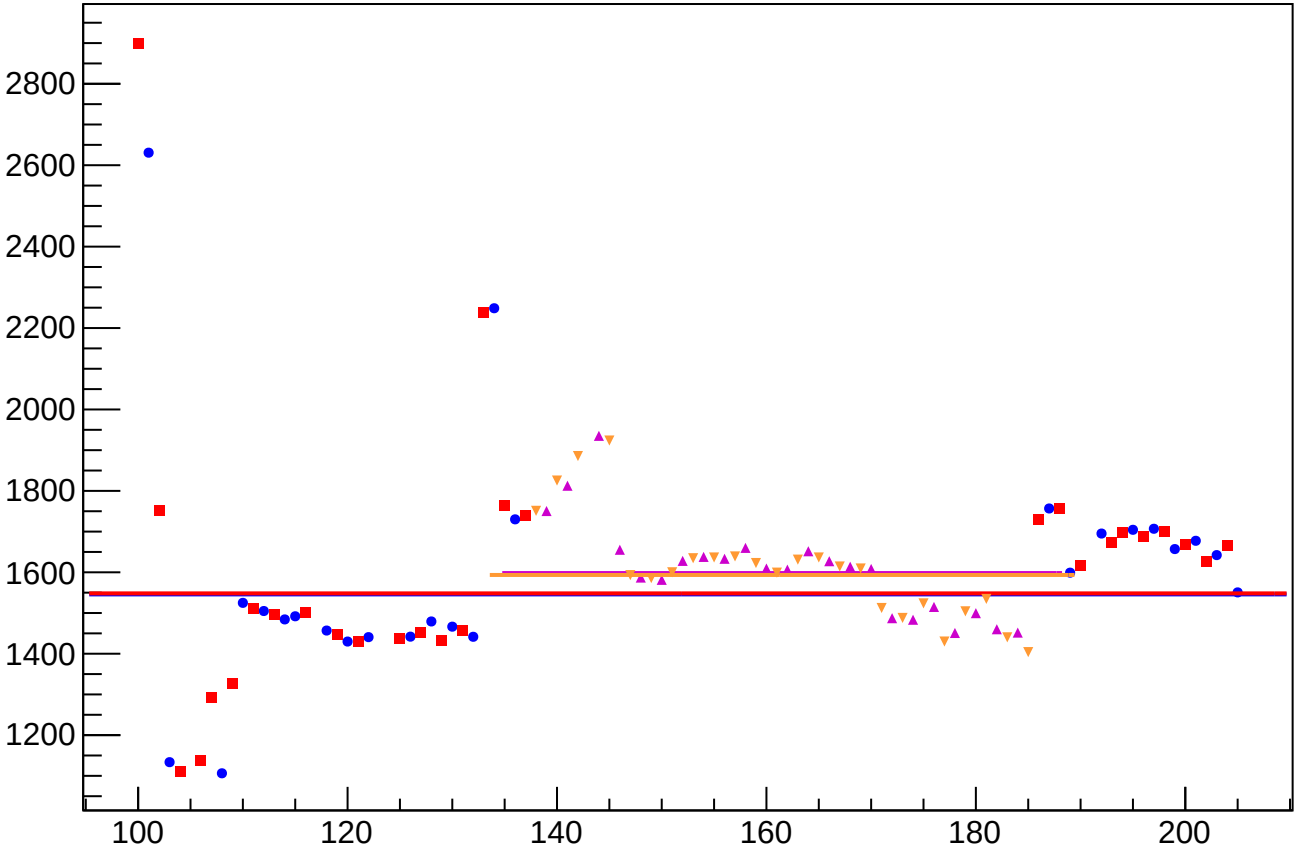
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 261.165+/-277.184 χ^2/NDF: 73.1/48

All: 331.371+/-195.329 χ^2/NDF: 112.2/99

- sign 400.625+/-275.300 χ^2/NDF: 38.9/50

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

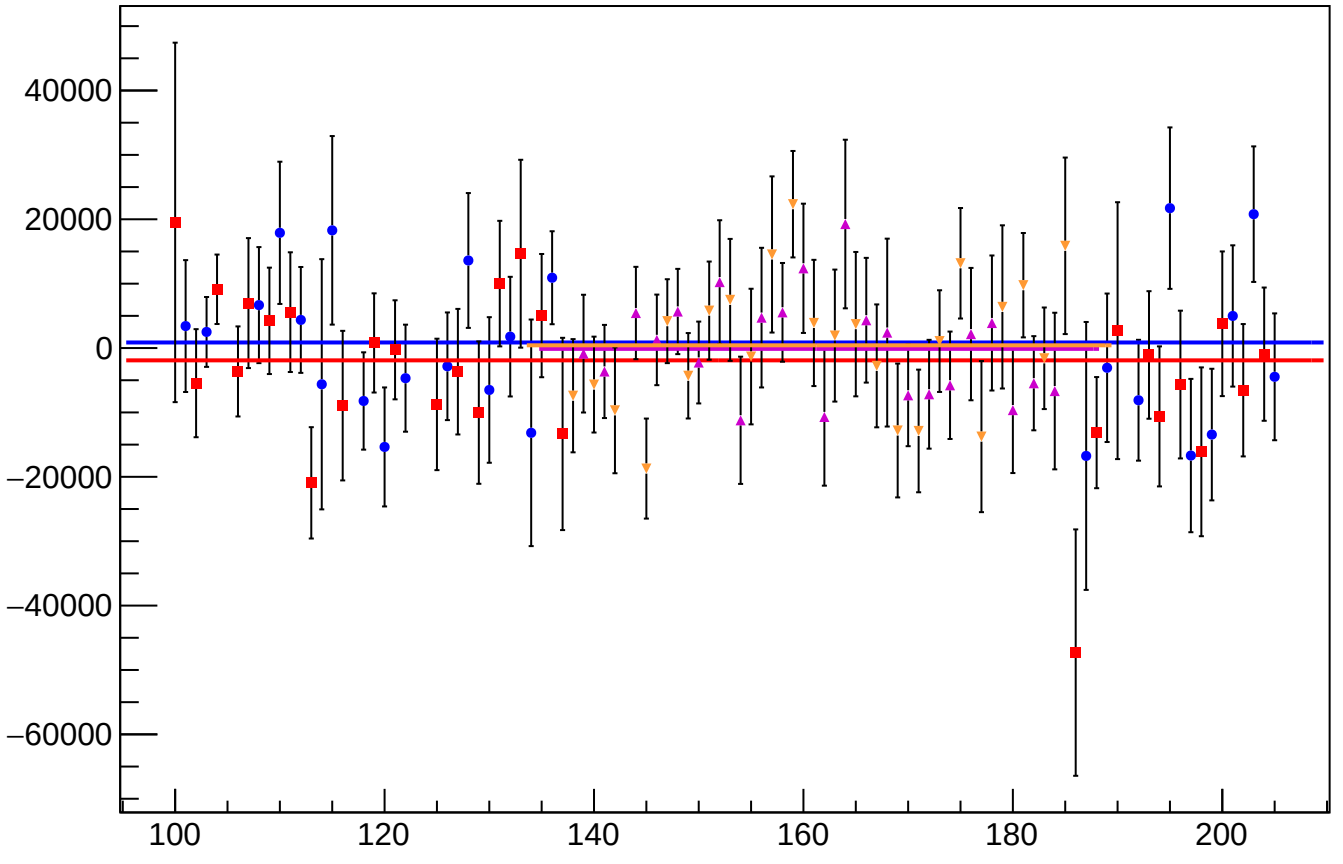
Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1572.401+/-0.196 χ^2/NDF: 901103.7/48

All: 1573.820+/-0.138 χ^2/NDF: 1647158.7/99

- sign 1575.219+/-0.195 χ^2/NDF: 745950.9/50



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

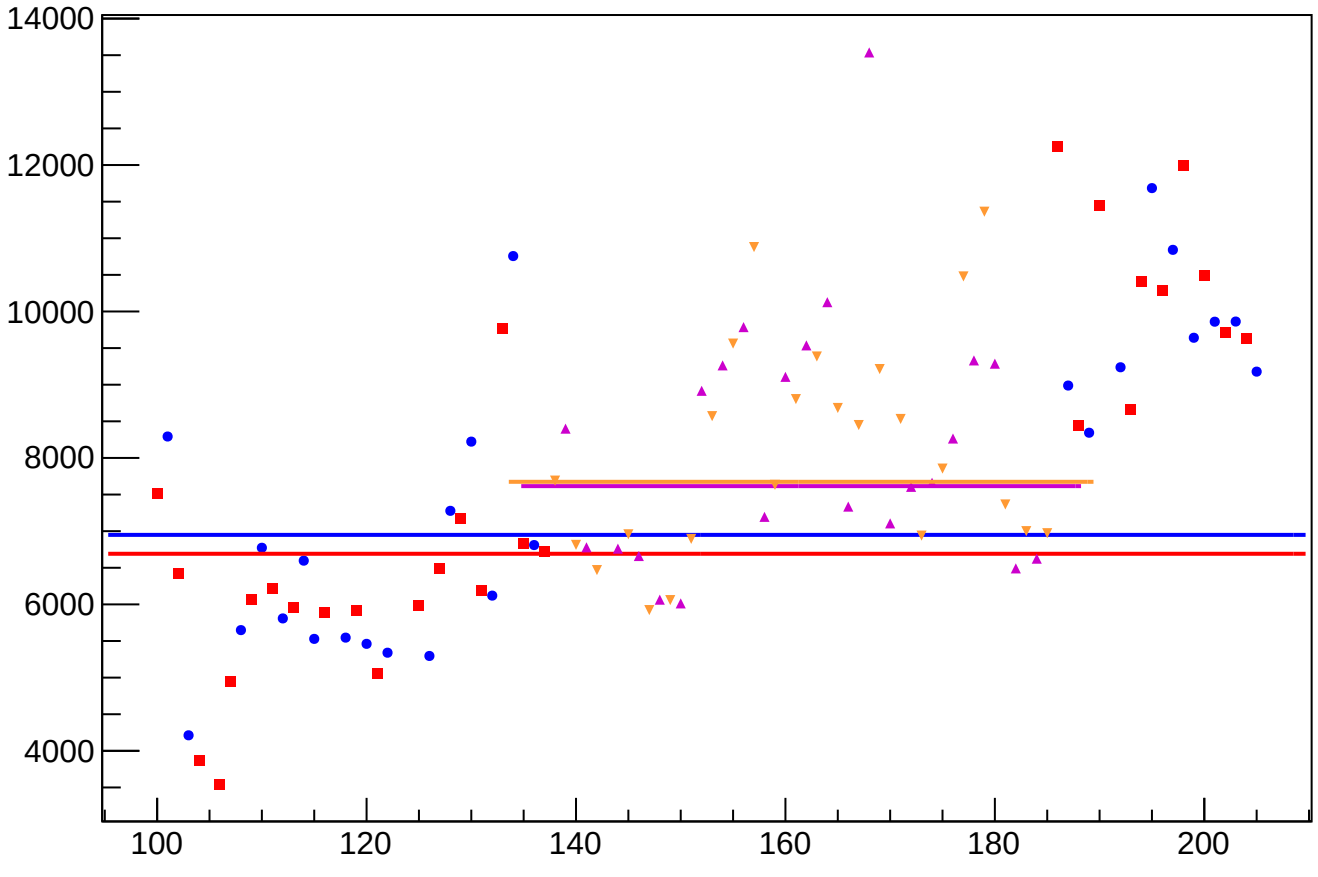
Right Out: -1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 632.436+/-1325.932 χ^2/NDF: 56.4/48

All: -211.161+/-924.635 χ^2/NDF: 98.6/99

- sign -1009.738+/-1290.067 χ^2/NDF: 41.4/50



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

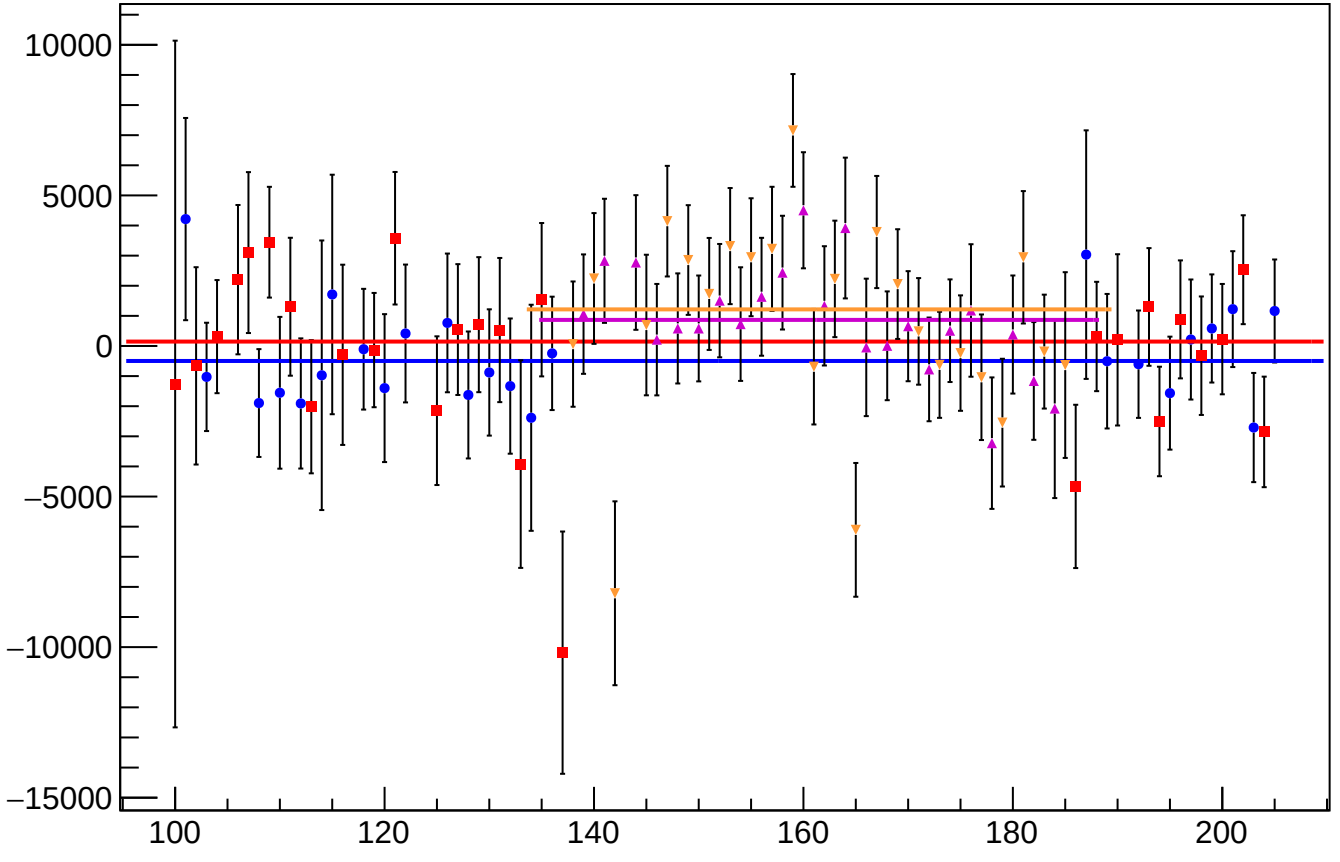
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7334.016+/-0.938 χ^2/NDF: 3482243.4/48

All: 7243.586+/-0.654 χ^2/NDF: 8021967.7/99

- sign 7157.983+/-0.912 χ^2/NDF: 4521615.3/50

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -497.750+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 146.483+/-423.698 χ^2/NDF: 28.4/27

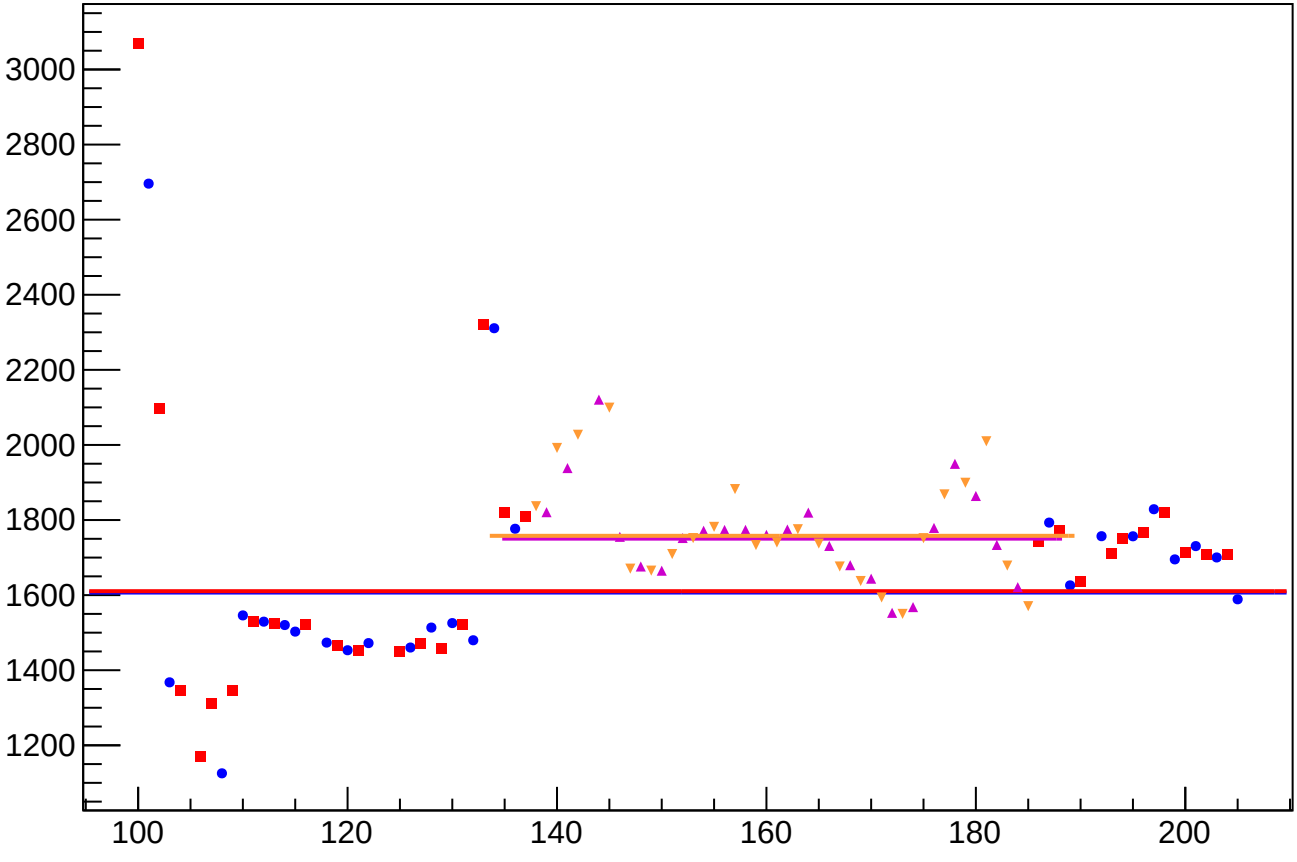
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 406.781+/-297.621 χ^2/NDF: 66.4/48

All: 462.967+/-209.392 χ^2/NDF: 111.5/99

- sign 518.038+/-294.652 χ^2/NDF: 45.0/50

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1606.895+/-0.306 χ^2/NDF: 602518.8/24

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

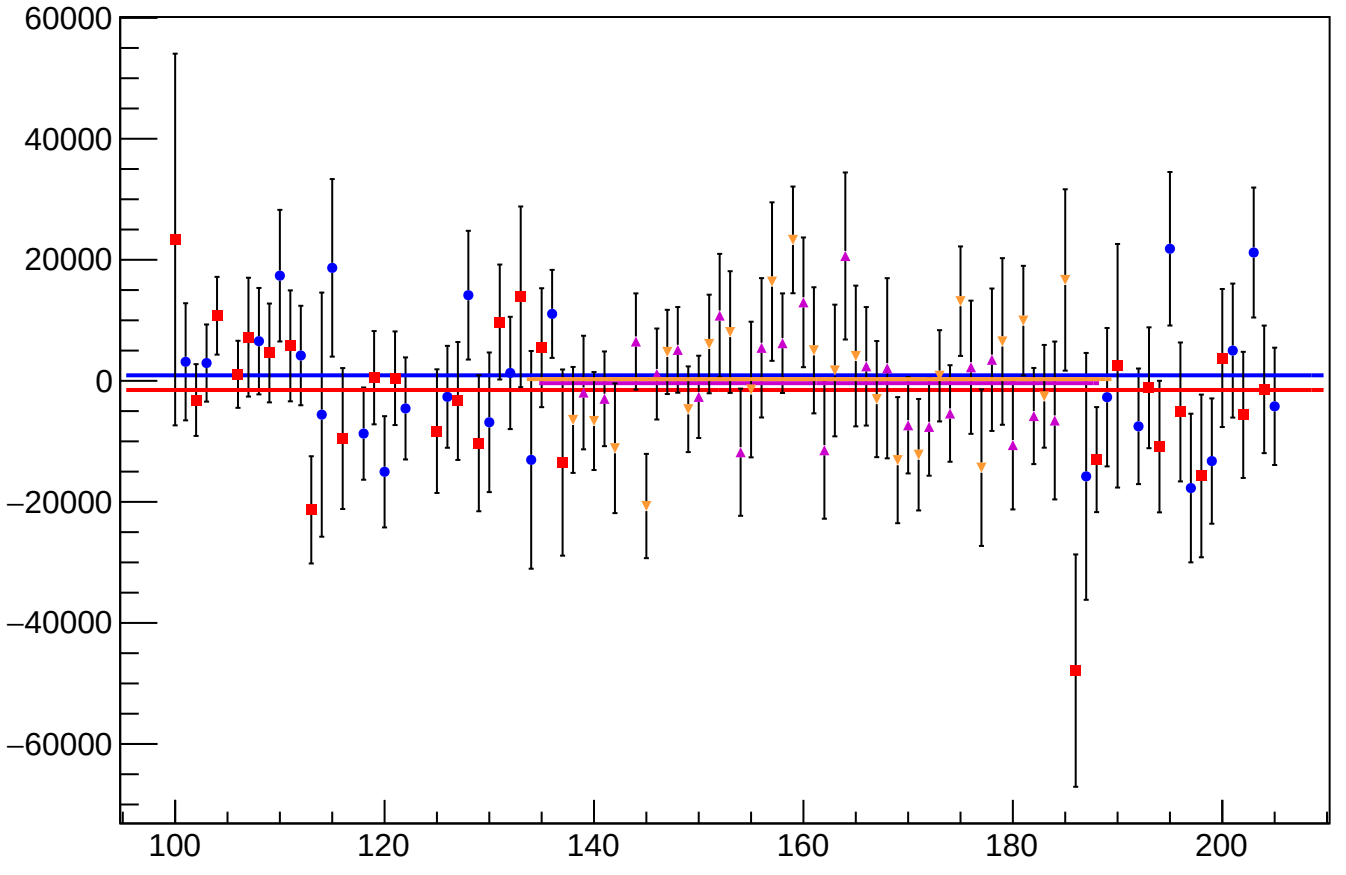
Right Out: 1610.490+/-0.300 χ^2/NDF: 499366.3/27

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1686.661+/-0.210 χ^2/NDF: 944223.5/48

All: 1684.694+/-0.148 χ^2/NDF: 1728405.6/99

- sign 1682.766+/-0.208 χ^2/NDF: 784009.0/50



Right In: 913.535+/-1974.665 χ^2/NDF: 26.8/24

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

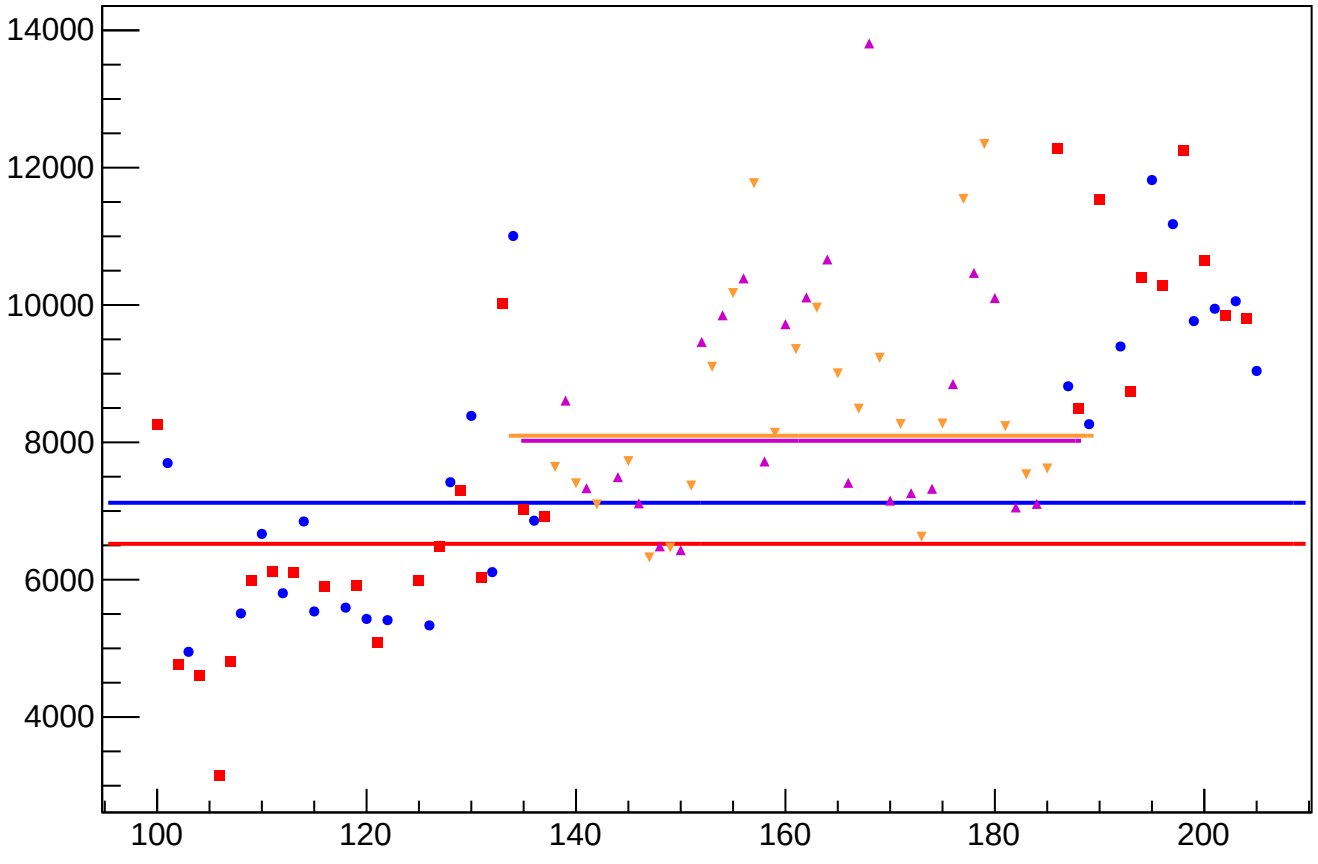
Right Out: -1511.212+/-1791.953 χ^2/NDF: 26.8/27

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 590.431+/-1376.615 χ^2/NDF: 55.5/48

All: -237.018+/-948.075 χ^2/NDF: 96.8/99

- sign -983.588+/-1307.606 χ^2/NDF: 40.6/50



Right In: 7120.322+/-1.396 χ^2/NDF: 1979085.6/24

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

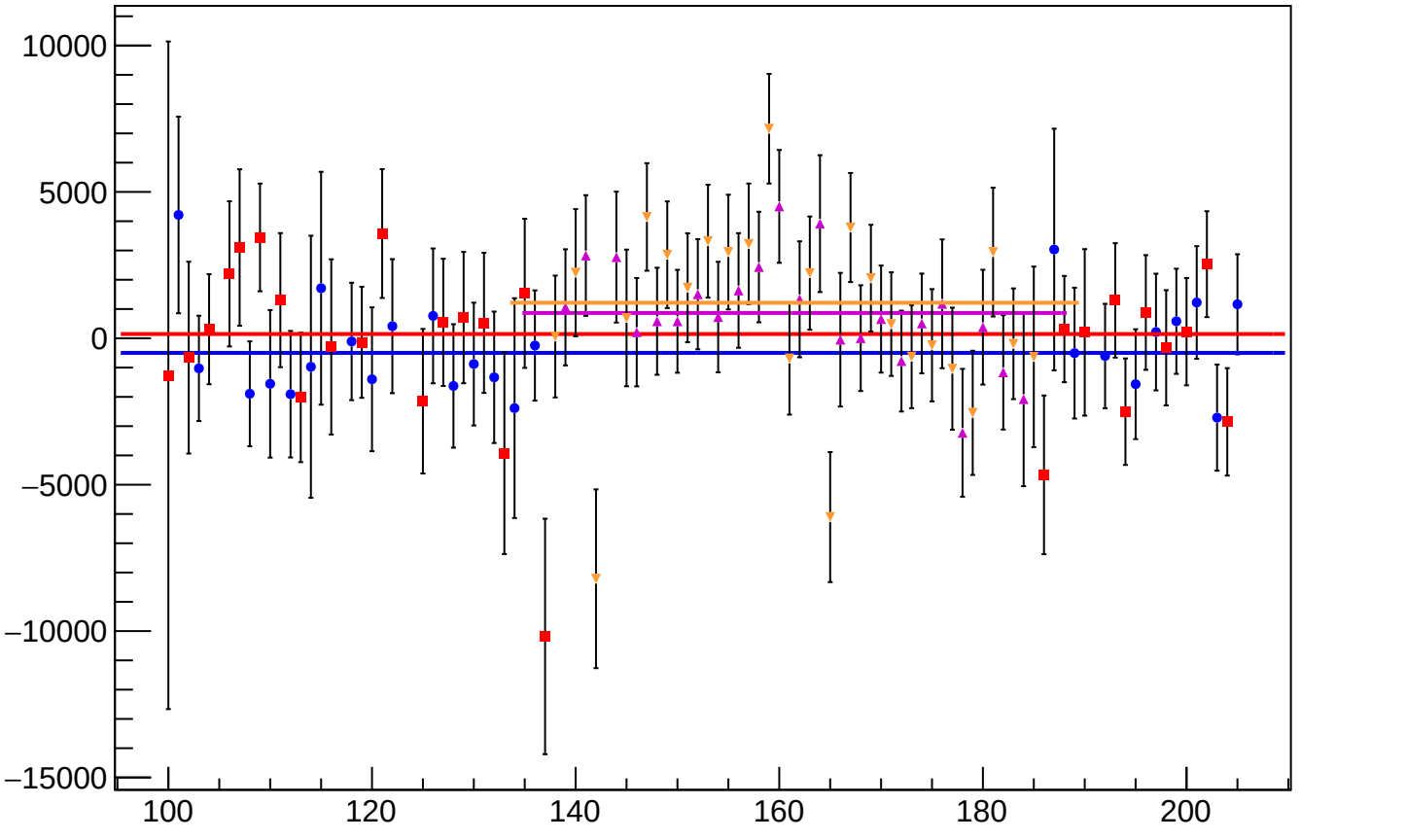
Right Out: 6522.425+/-1.267 χ^2/NDF: 3400027.5/27

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7622.240+/-0.973 χ^2/NDF: 3318266.7/48

All: 7412.810+/-0.670 χ^2/NDF: 8687344.2/99

- sign 7223.851+/-0.925 χ^2/NDF: 5281022.7/50



Right In: -497.748+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 146.489+/-423.698 χ^2/NDF: 28.4/27

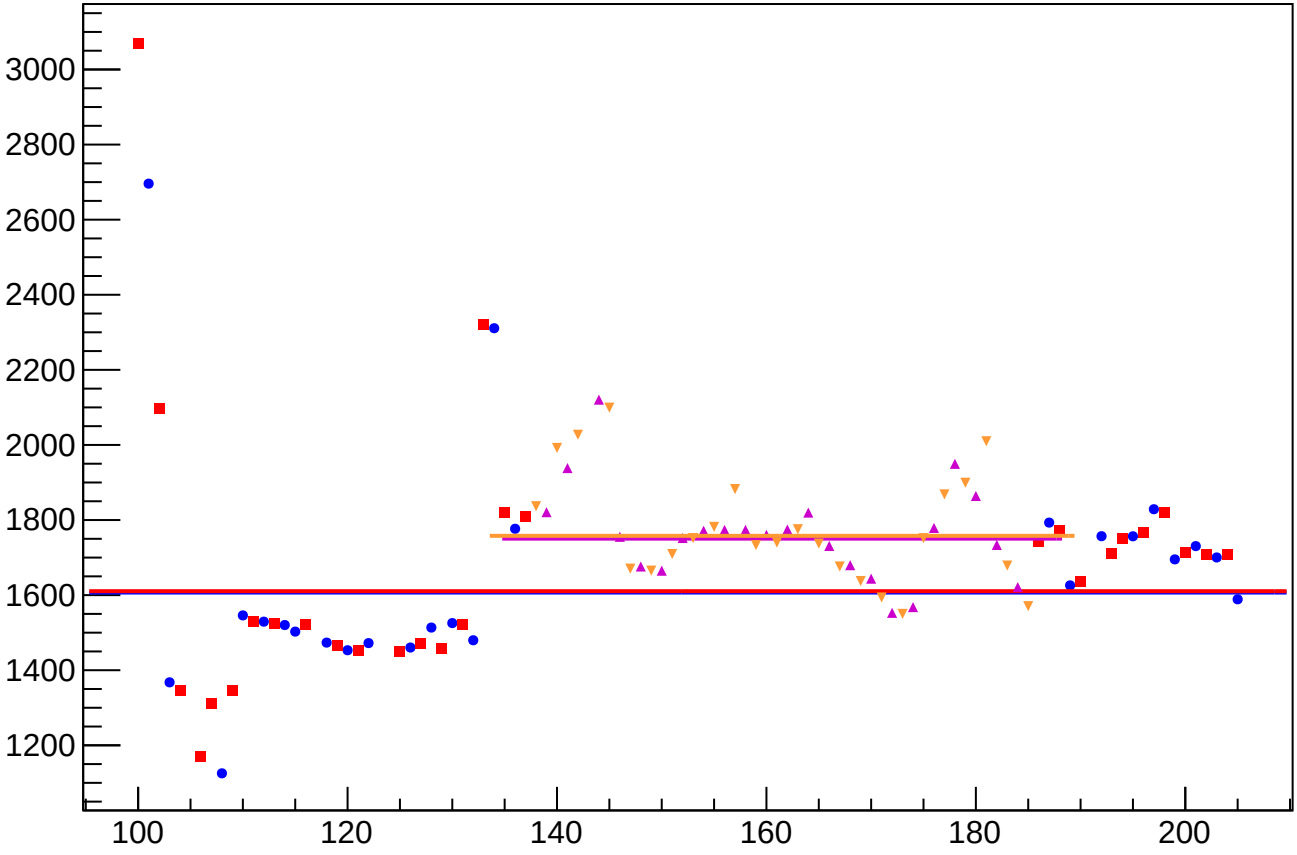
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 406.785+/-297.621 χ^2/NDF: 66.4/48

All: 462.970+/-209.392 χ^2/NDF: 111.5/99

\- sign 518.040+/-294.652 χ^2/NDF: 45.0/50

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1606.895+/-0.306 χ^2/NDF: 602519.1/24

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

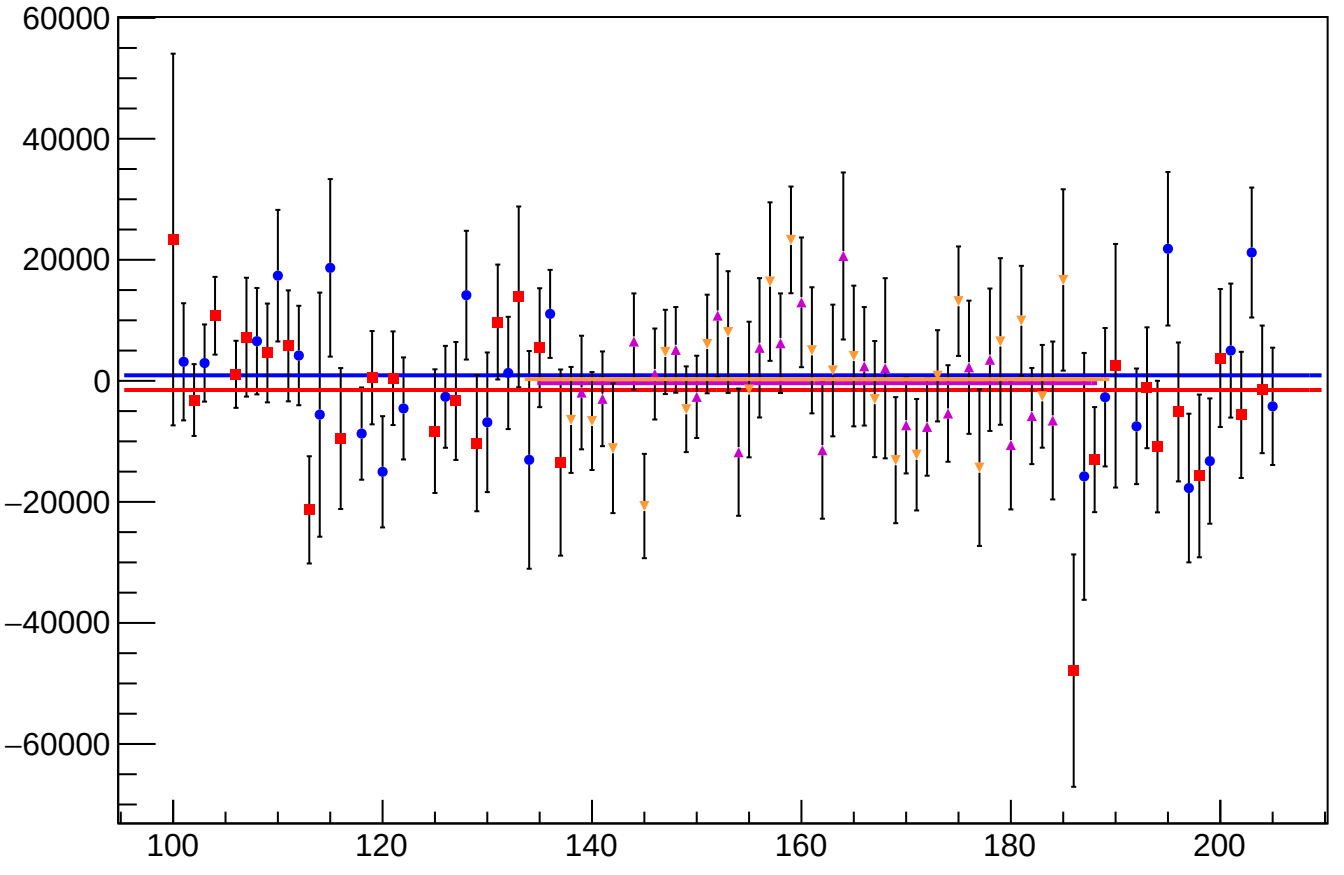
Right Out: 1610.491+/-0.300 χ^2/NDF: 499367.7/27

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1686.662+/-0.210 χ^2/NDF: 944236.6/48

All: 1684.695+/-0.148 χ^2/NDF: 1728431.7/99

- sign 1682.767+/-0.208 χ^2/NDF: 784022.1/50



Right In: 913.522+/-1974.663 χ^2/NDF: 26.8/24

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

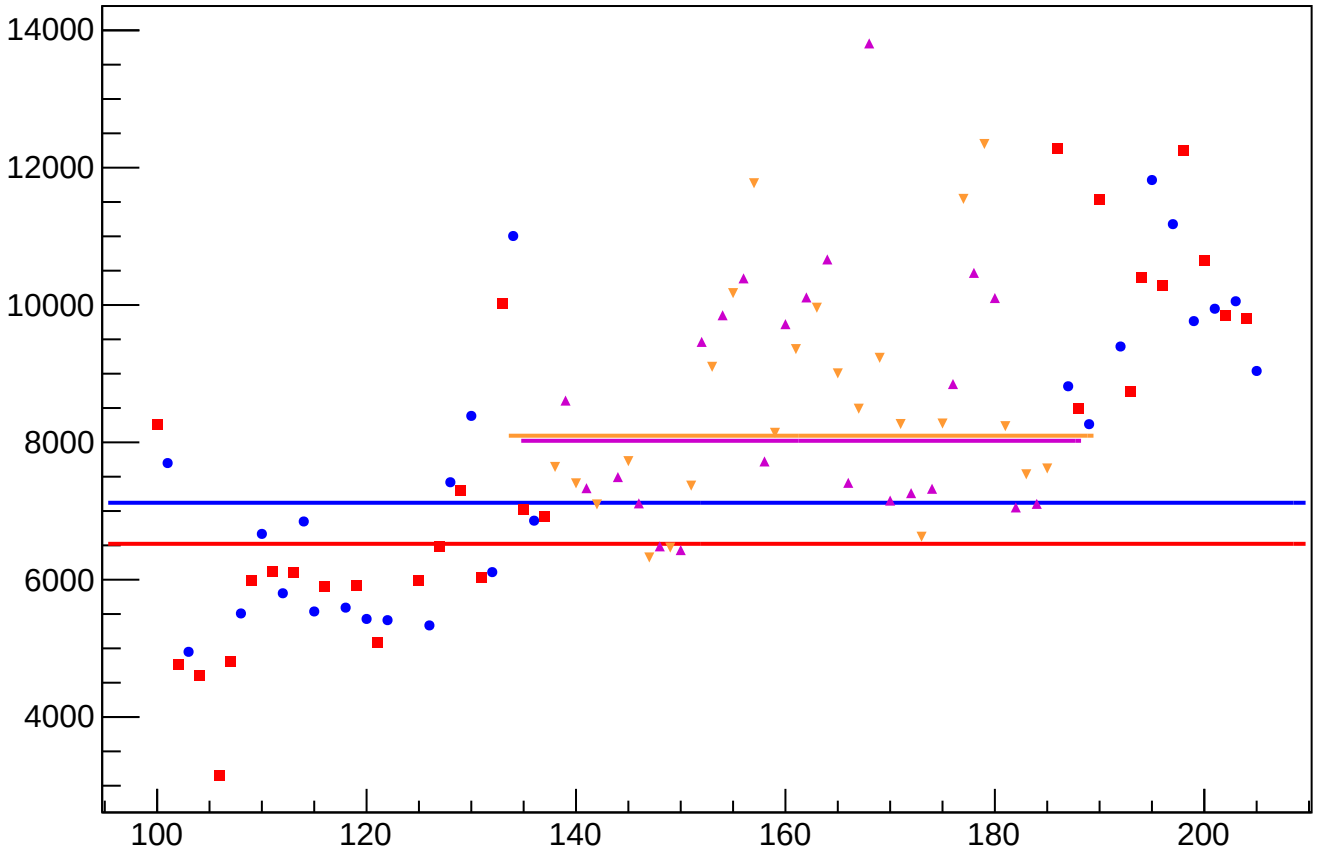
Right Out: -1511.201+/-1791.951 χ^2/NDF: 26.8/27

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 590.426+/-1376.615 χ^2/NDF: 55.5/48

All: -237.019+/-948.075 χ^2/NDF: 96.8/99

- sign -983.585+/-1307.606 χ^2/NDF: 40.6/50



Right In: 7120.311+/-1.396 χ^2/NDF: 1979109.4/24

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6522.414+/-1.267 χ^2/NDF: 3400049.7/27

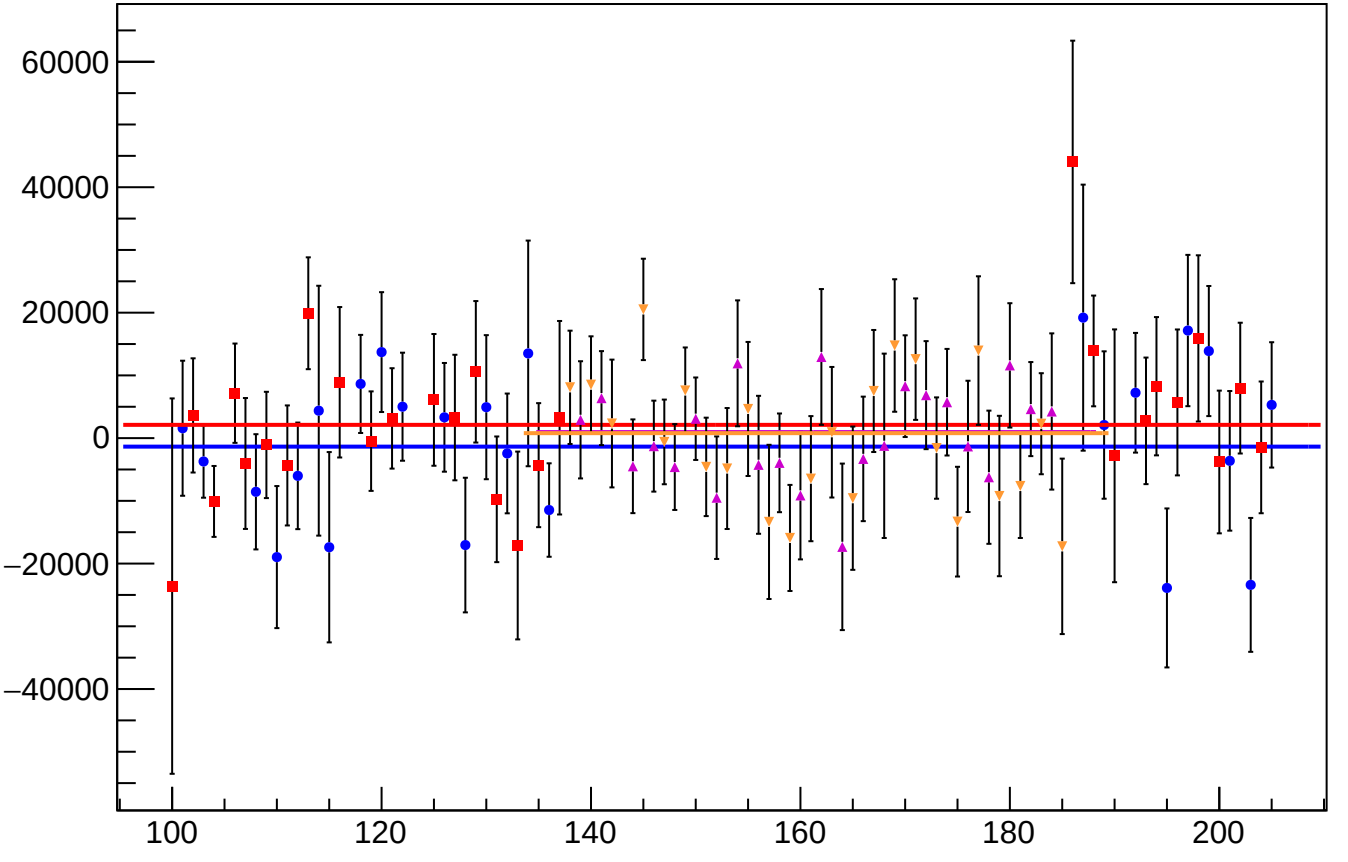
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7622.240+/-0.973 χ^2/NDF: 3318304.8/48

All: 7412.809+/-0.670 χ^2/NDF: 8687429.0/99

- sign 7223.848+/-0.925 χ^2/NDF: 5281068.4/50

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1355.662+/-1995.409 χ^2/NDF: 29.0/24

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2115.056+/-1902.085 χ^2/NDF: 24.2/27

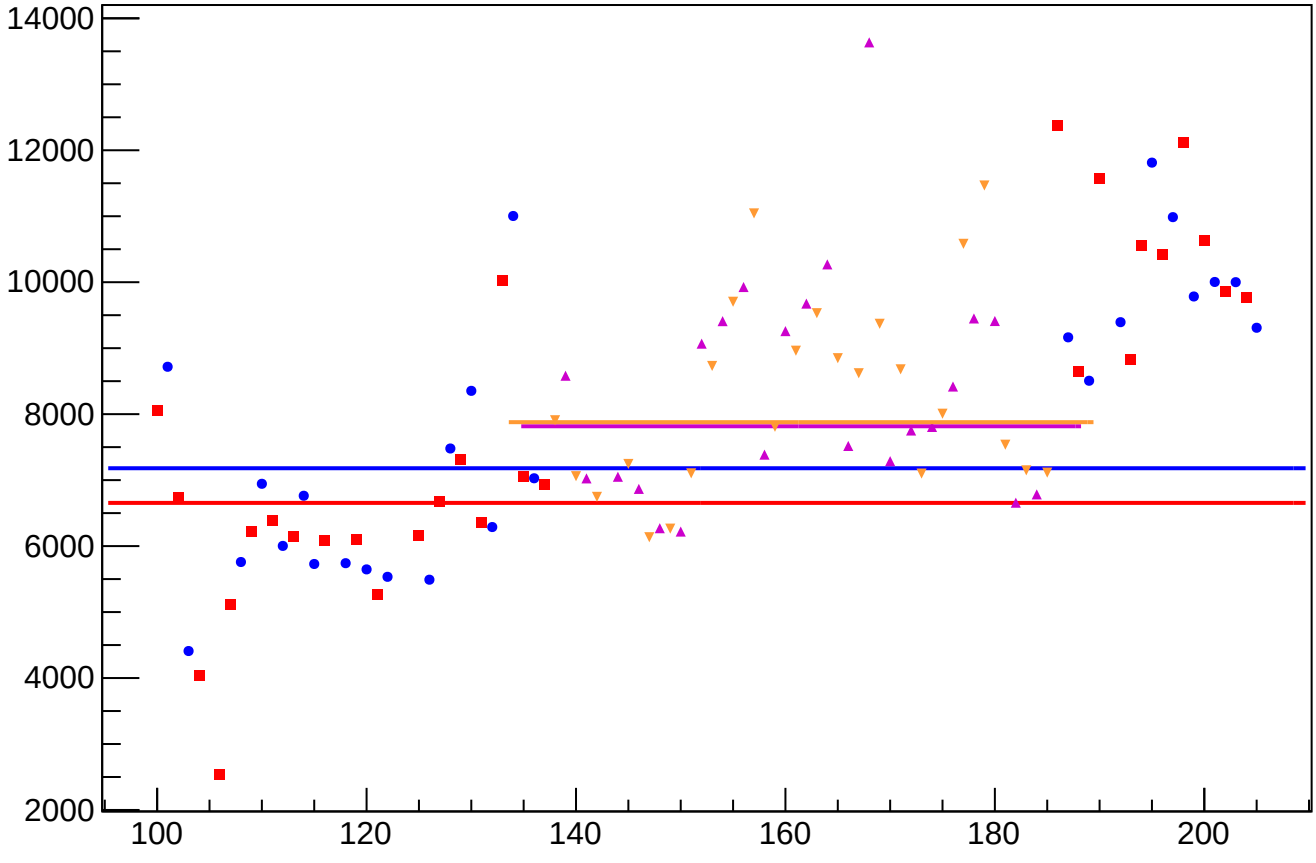
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -209.820+/-1362.569 χ^2/NDF: 56.8/48

All: 679.515+/-951.692 χ^2/NDF: 94.7/99

- sign 1526.614+/-1329.821 χ^2/NDF: 37.1/50

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7180.156+/-1.411 χ^2/NDF: 2109394.5/24

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

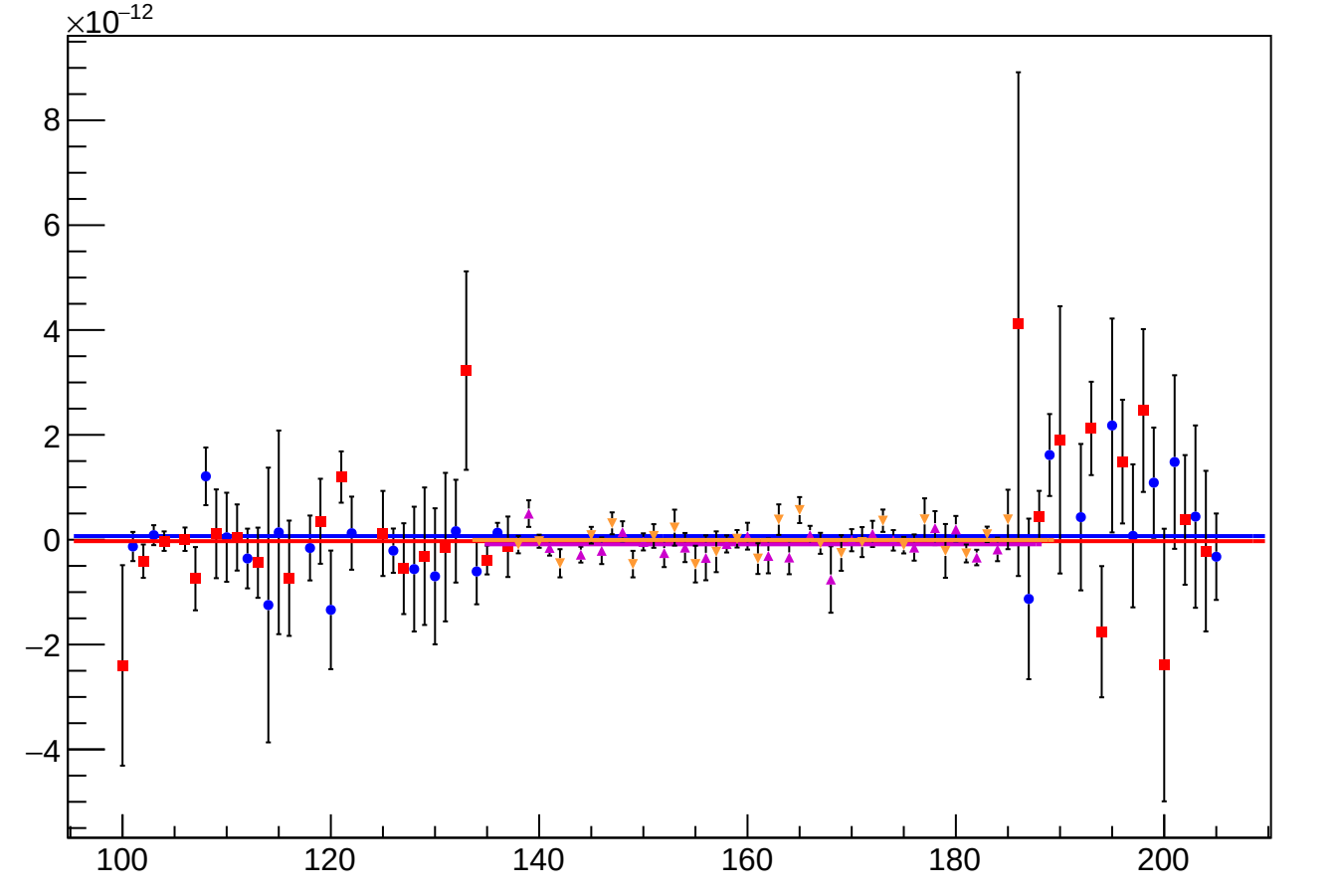
Right Out: 6654.811+/-1.309 χ^2/NDF: 3639938.2/27

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7552.860+/-0.963 χ^2/NDF: 3230188.3/48

All: 7386.925+/-0.668 χ^2/NDF: 8451490.2/99

- sign 7233.026+/-0.928 χ^2/NDF: 5164130.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

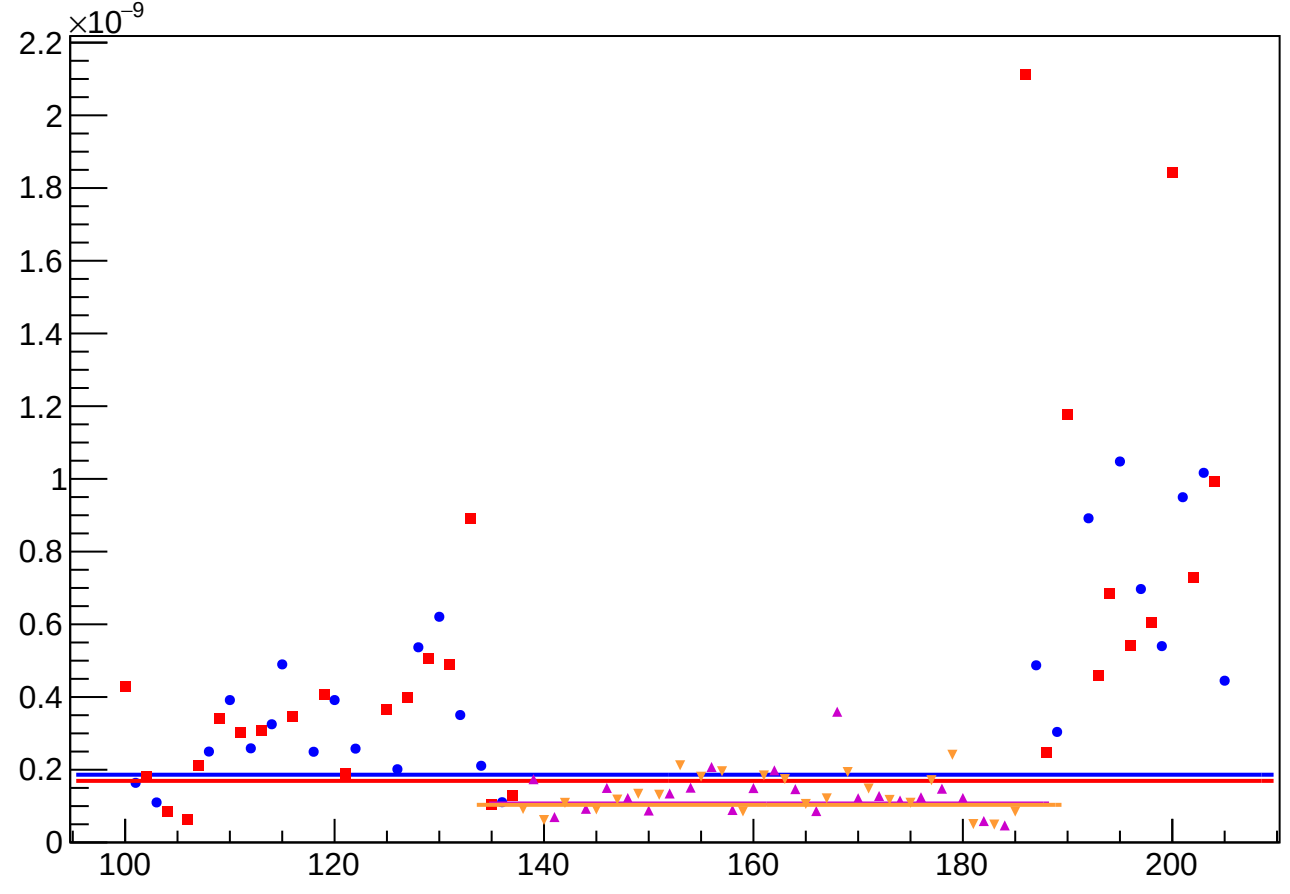
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/27

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/48

All: -0.000+/-0.000 χ^2/NDF: 100.1/99

- sign -0.000+/-0.000 χ^2/NDF: 51.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 4029743.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

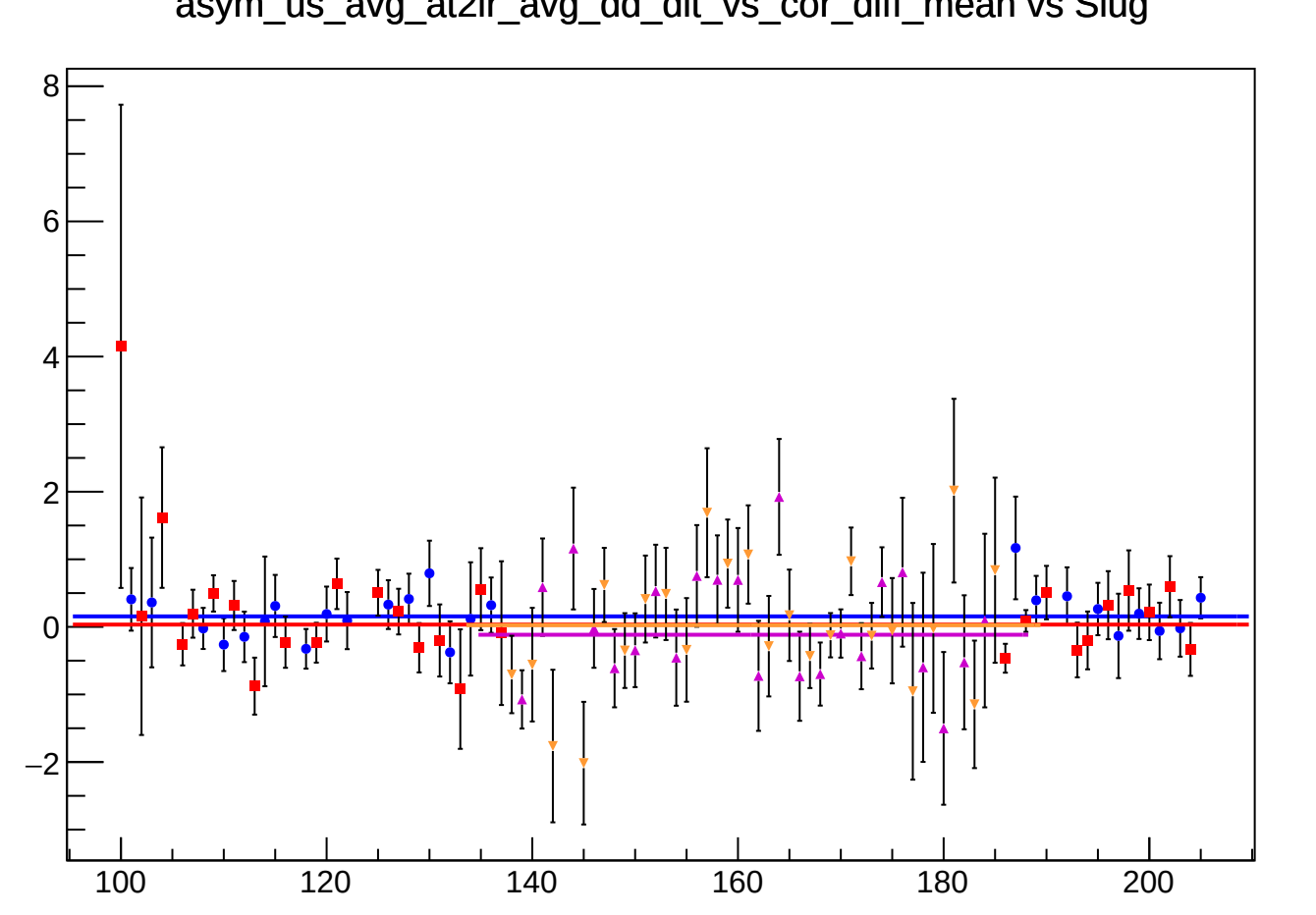
Right Out: 0.000+/-0.000 χ^2/NDF: 5724226.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7077375.6/48

All: 0.000+/-0.000 χ^2/NDF: 15059563.3/99

- sign 0.000+/-0.000 χ^2/NDF: 7981476.6/50



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

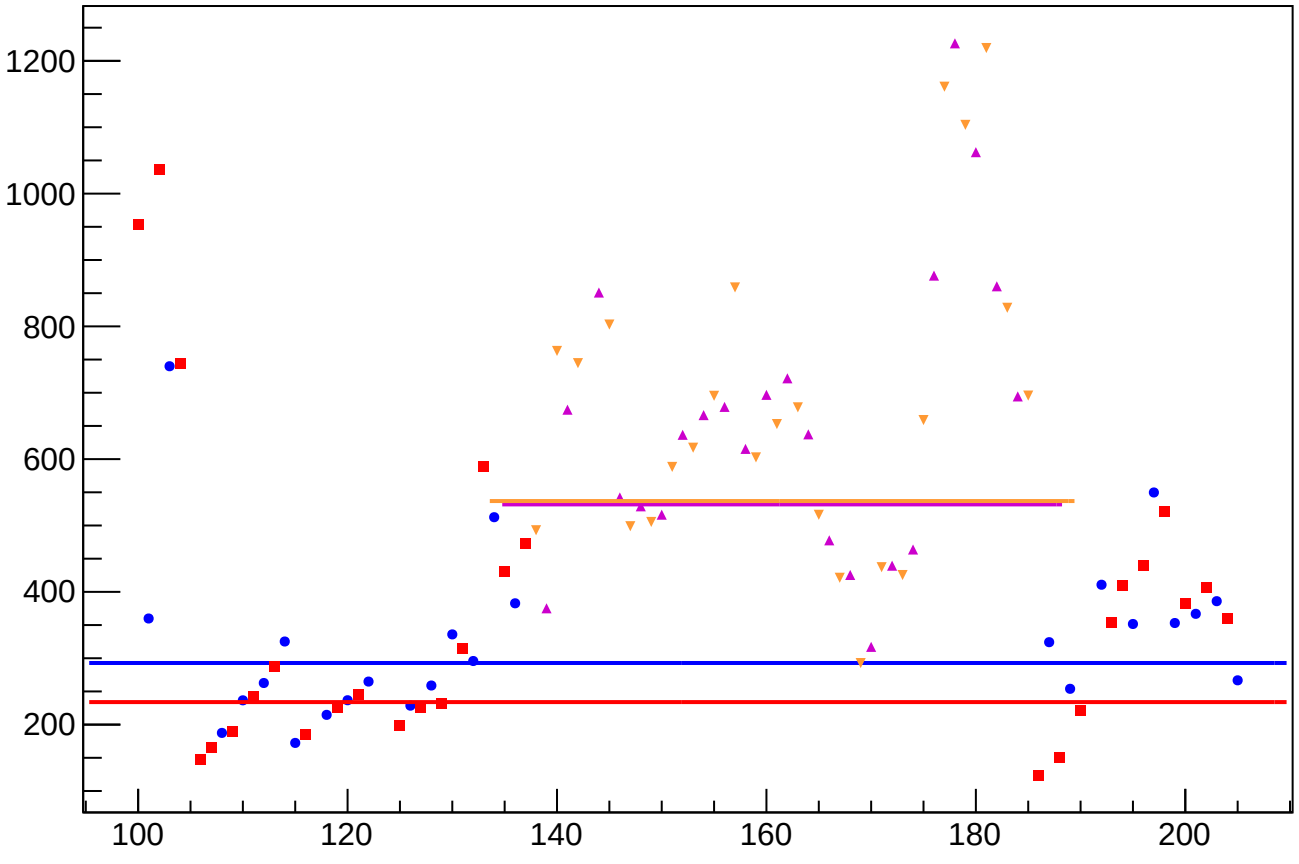
Right Out: 0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.052+/-0.046 χ^2/NDF: 107.6/99

- sign 0.002+/-0.061 χ^2/NDF: 62.7/50



Right In: 292.863+/-0.059 χ^2/NDF: 2218923.1/24

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

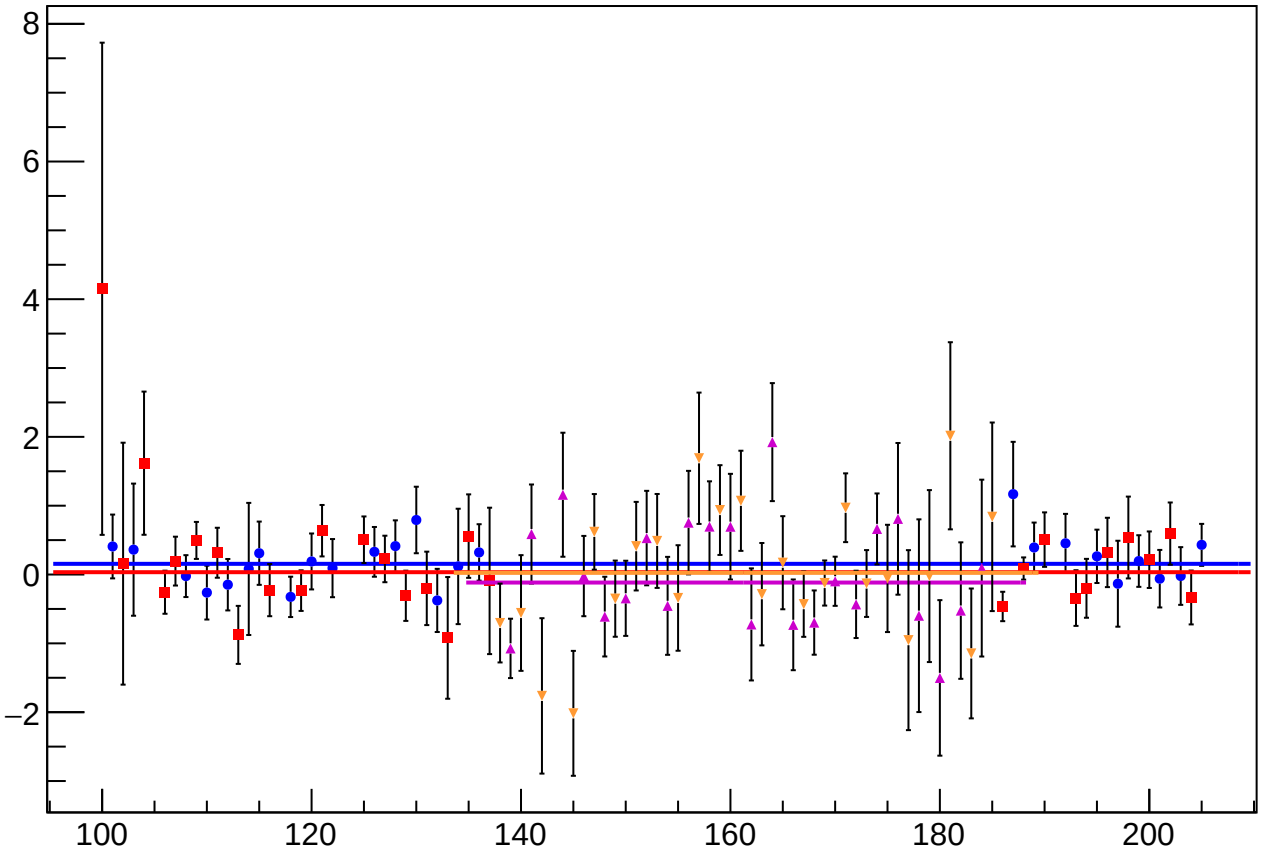
Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 360.948+/-0.050 χ^2/NDF: 10963239.3/48

All: 325.036+/-0.033 χ^2/NDF: 28369886.0/99

- sign 297.985+/-0.043 χ^2/NDF: 16503818.1/50



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

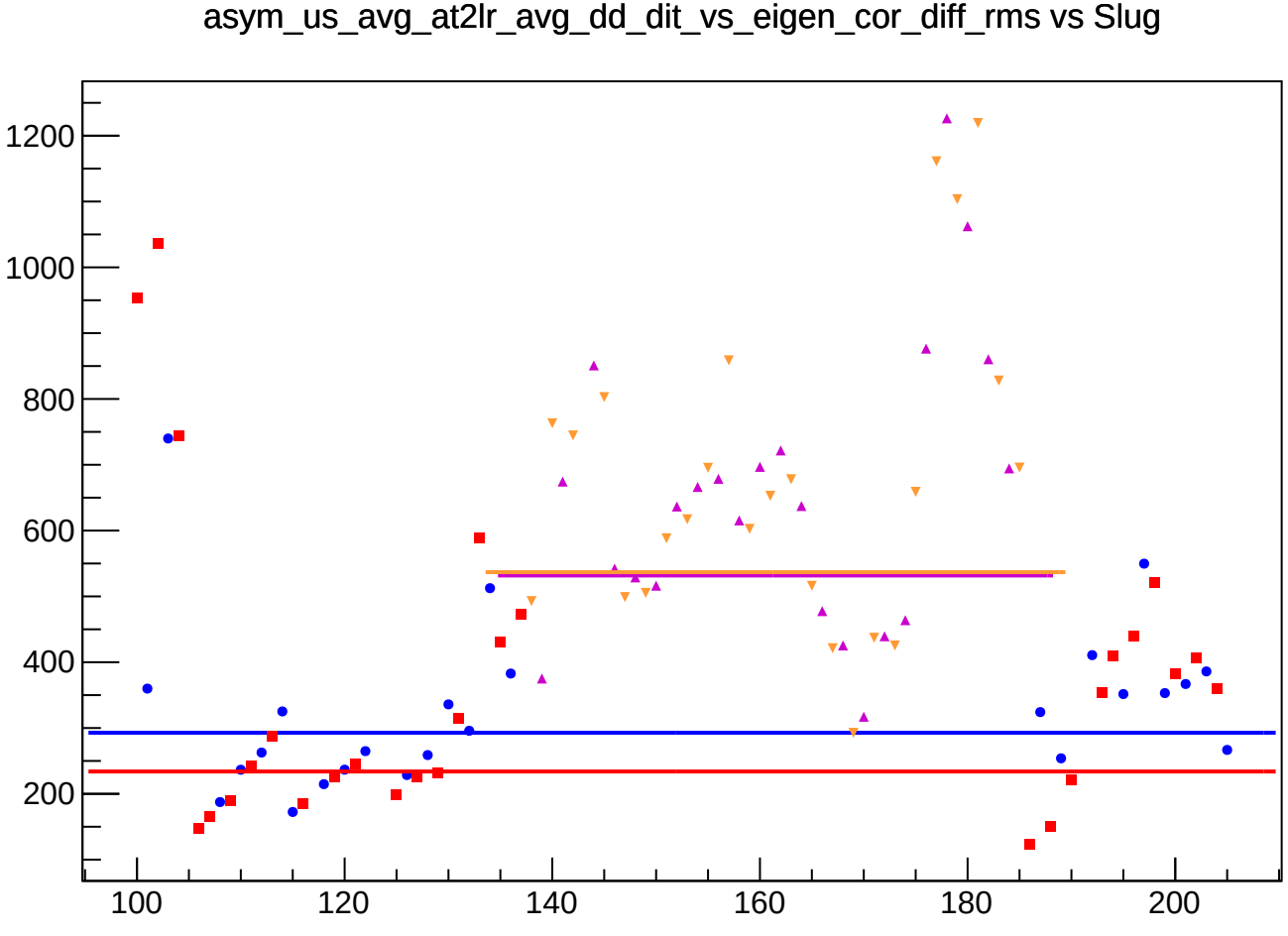
Right Out: 0.034+/-0.069 χ^2/NDF: 33.9/27

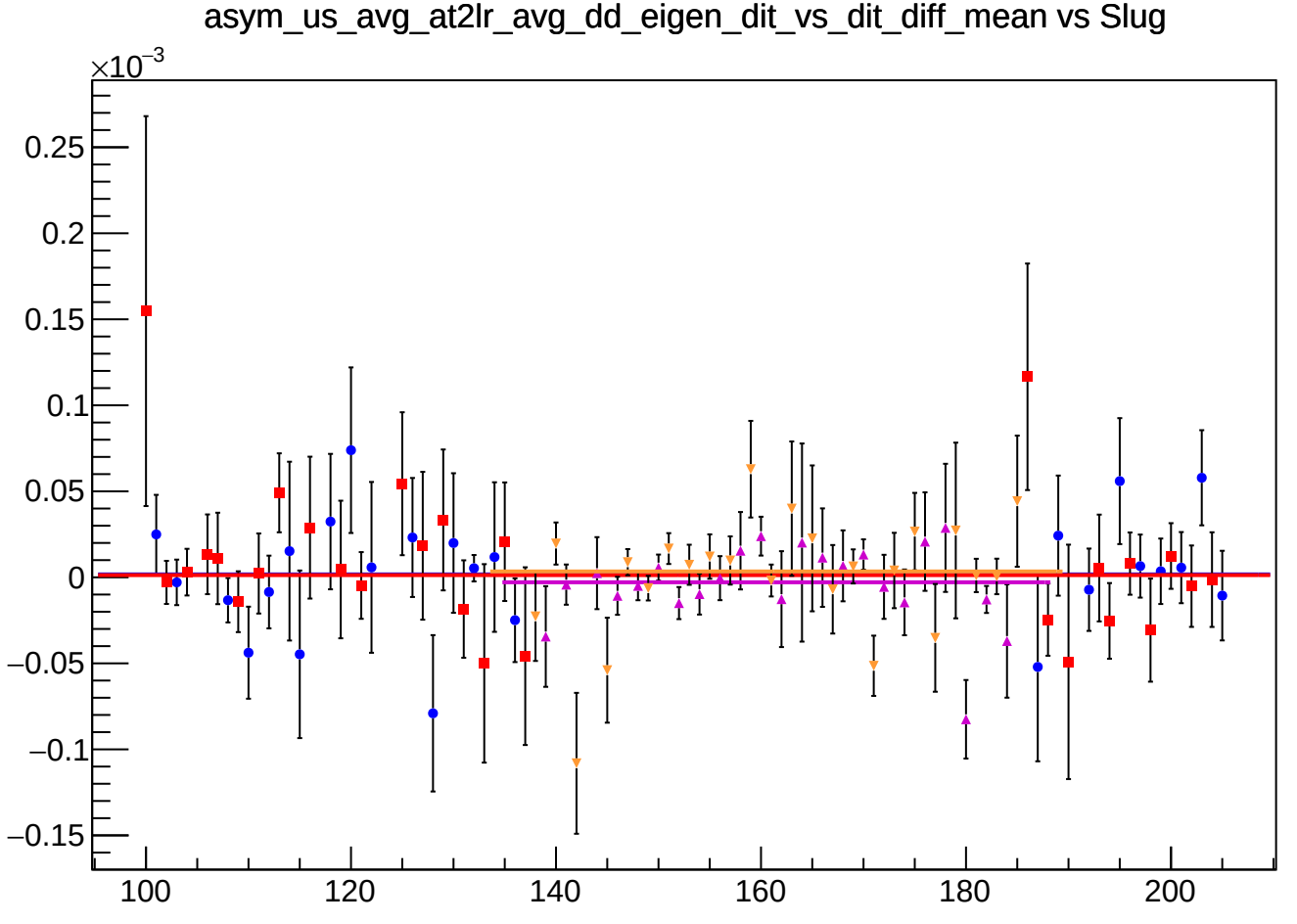
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.052+/-0.046 χ^2/NDF: 107.6/99

- sign 0.002+/-0.061 χ^2/NDF: 62.7/50


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 292.863+/-0.059 χ²/NDF: 2218923.1/24
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 233.944+/-0.049 χ²/NDF: 5186301.4/27
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 360.948+/-0.050 χ²/NDF: 10963239.3/48
All: 325.036+/-0.033 χ²/NDF: 28369886.0/99
- sign 297.985+/-0.043 χ²/NDF: 16503818.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

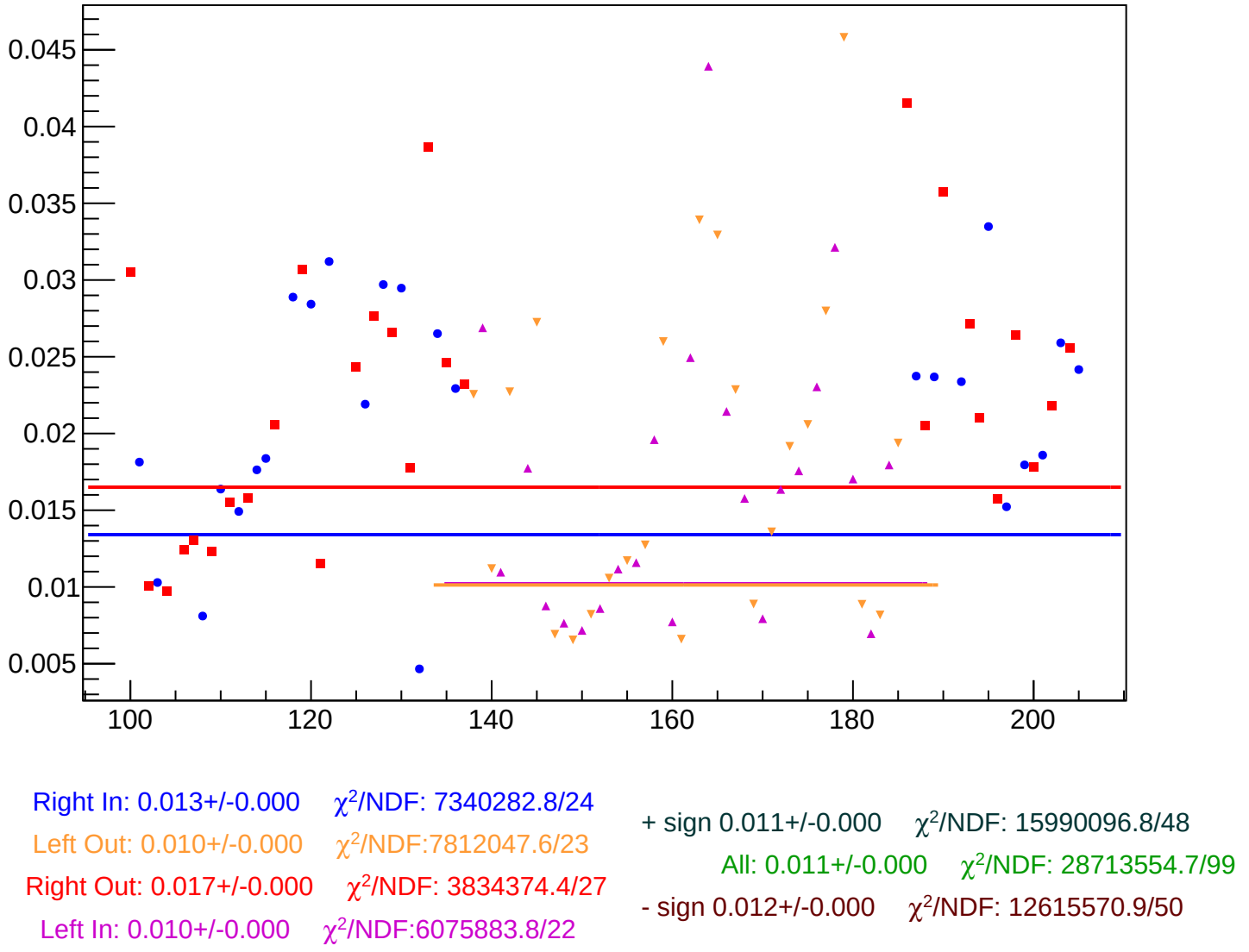
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/27

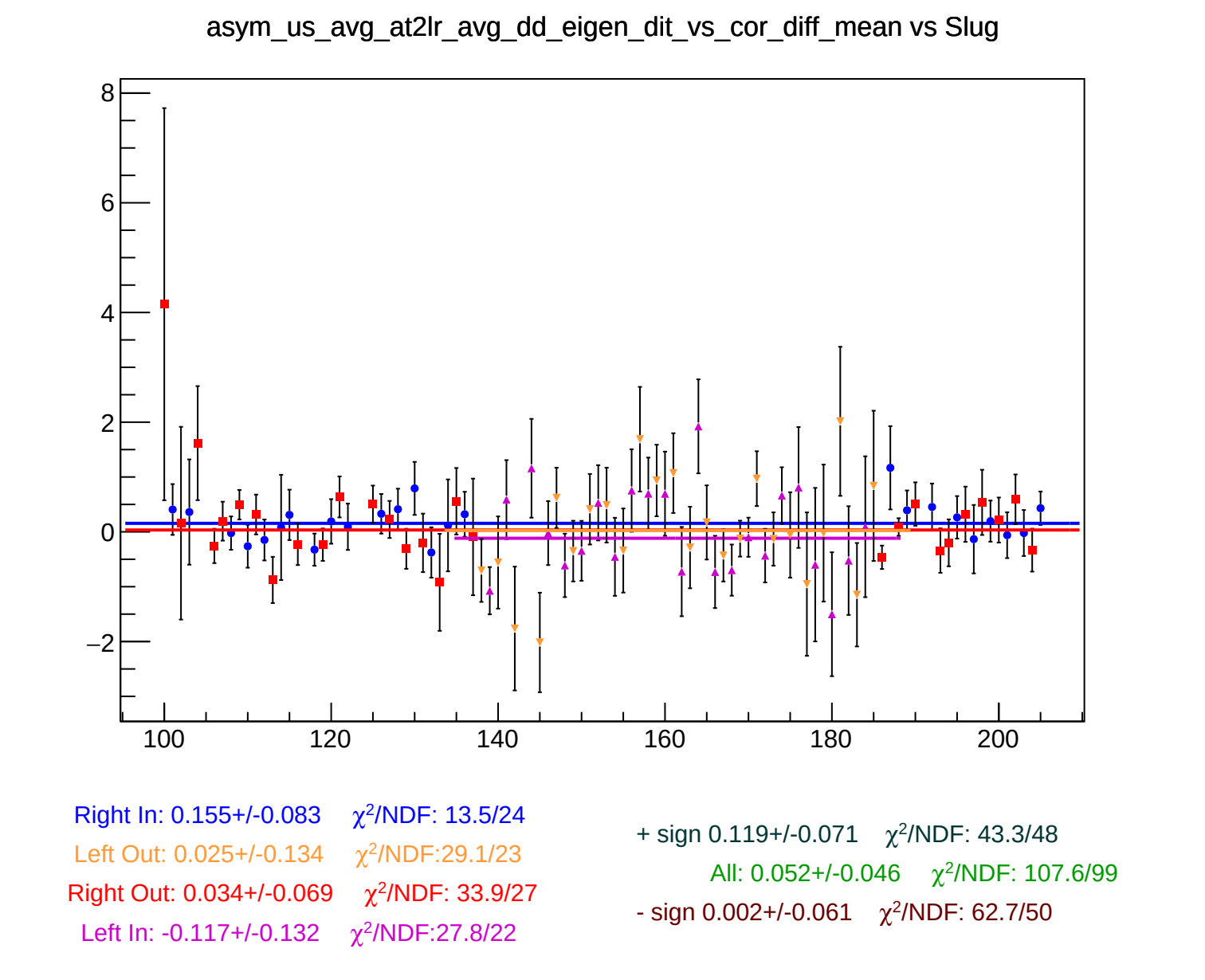
Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

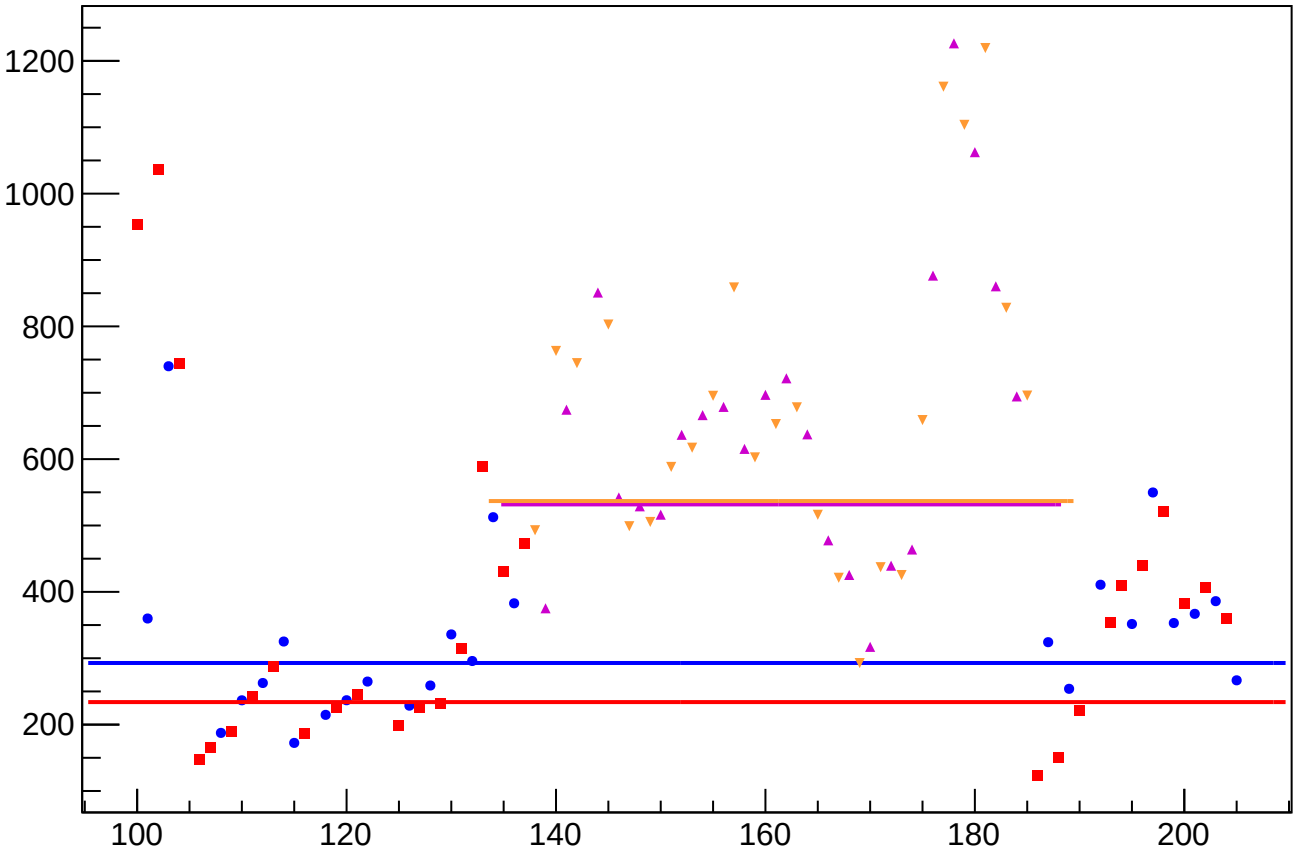
+ sign 0.000+/-0.000 χ^2/NDF: 62.0/48

All: 0.000+/-0.000 χ^2/NDF: 118.0/99

- sign -0.000+/-0.000 χ^2/NDF: 54.0/50


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 7340282.8/24
Left Out: 0.010+/-0.000 χ²/NDF:7812047.6/23
Right Out: 0.017+/-0.000 χ²/NDF: 3834374.4/27
Left In: 0.010+/-0.000 χ²/NDF:6075883.8/22
+ sign 0.011+/-0.000 χ²/NDF: 15990096.8/48
All: 0.011+/-0.000 χ²/NDF: 28713554.7/99
- sign 0.012+/-0.000 χ²/NDF: 12615570.9/50


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.155+/-0.083 χ²/NDF: 13.5/24
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.034+/-0.069 χ²/NDF: 33.9/27
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.119+/-0.071 χ²/NDF: 43.3/48
All: 0.052+/-0.046 χ²/NDF: 107.6/99
- sign 0.002+/-0.061 χ²/NDF: 62.7/50



Right In: 292.861+/-0.059 χ^2/NDF: 2218938.8/24

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.941+/-0.049 χ^2/NDF: 5186458.5/27

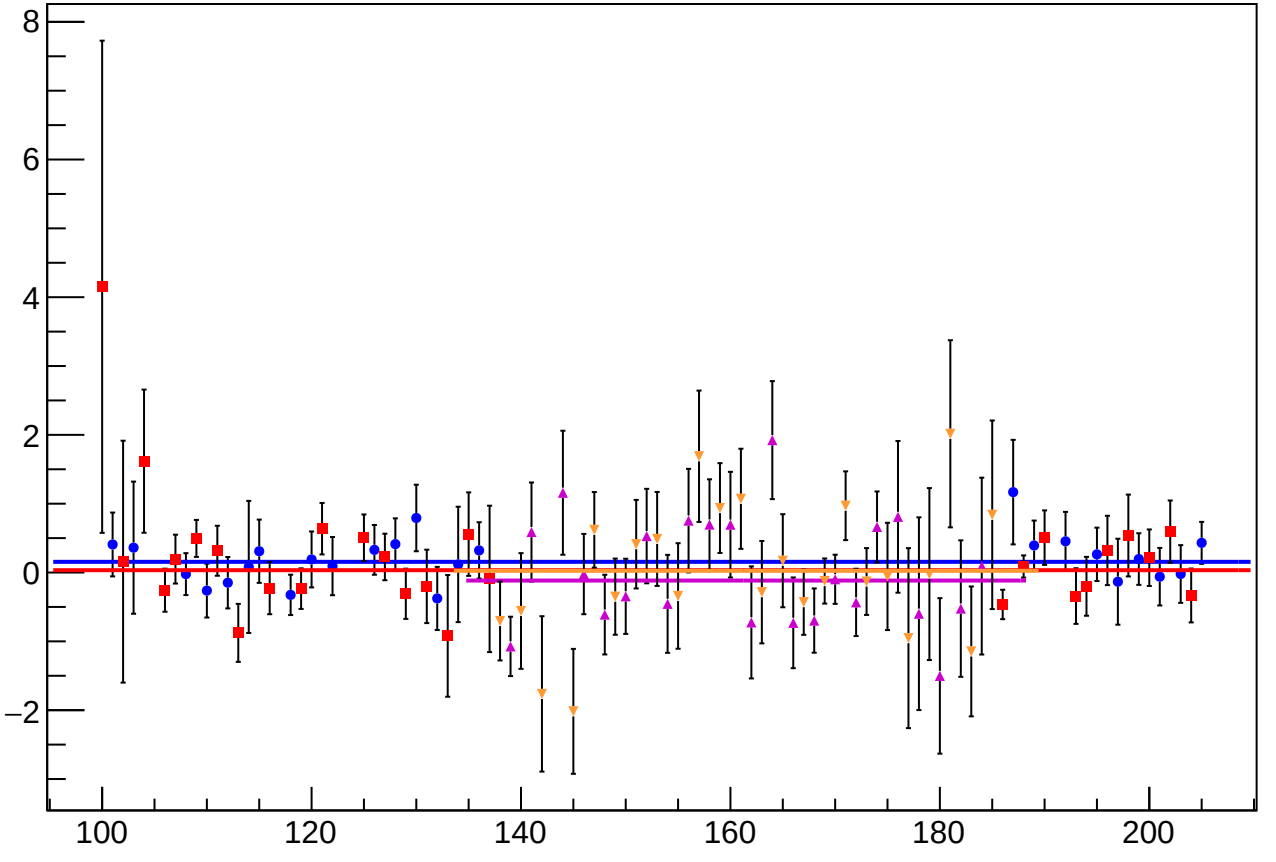
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 360.946+/-0.050 χ^2/NDF: 10963519.9/48

All: 325.033+/-0.033 χ^2/NDF: 28370667.5/99

- sign 297.982+/-0.043 χ^2/NDF: 16504296.3/50

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

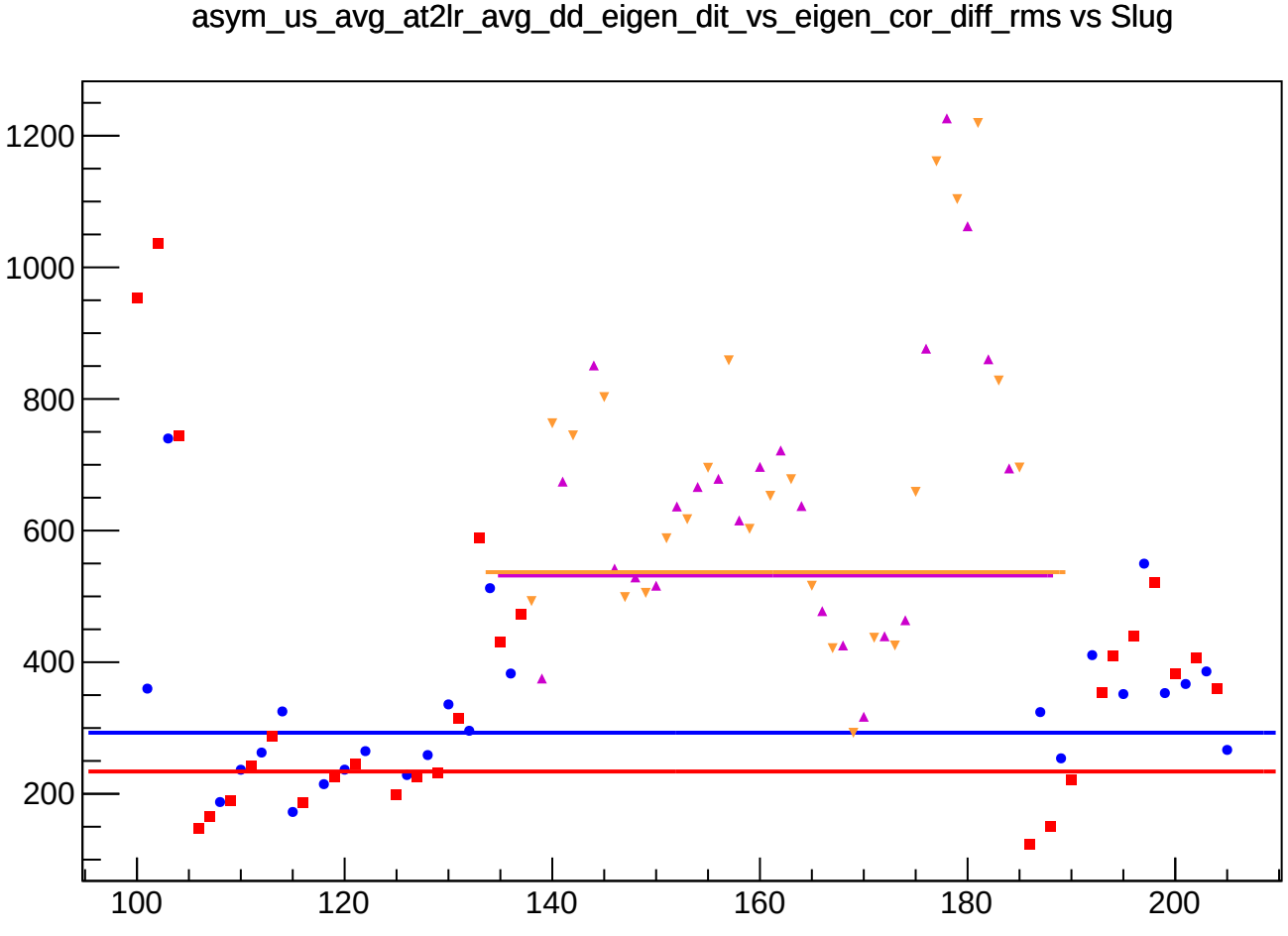
Right Out: 0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.052+/-0.046 χ^2/NDF: 107.6/99

- sign 0.002+/-0.061 χ^2/NDF: 62.7/50



Right In: 292.861+/-0.059 χ^2/NDF: 2218938.8/24

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

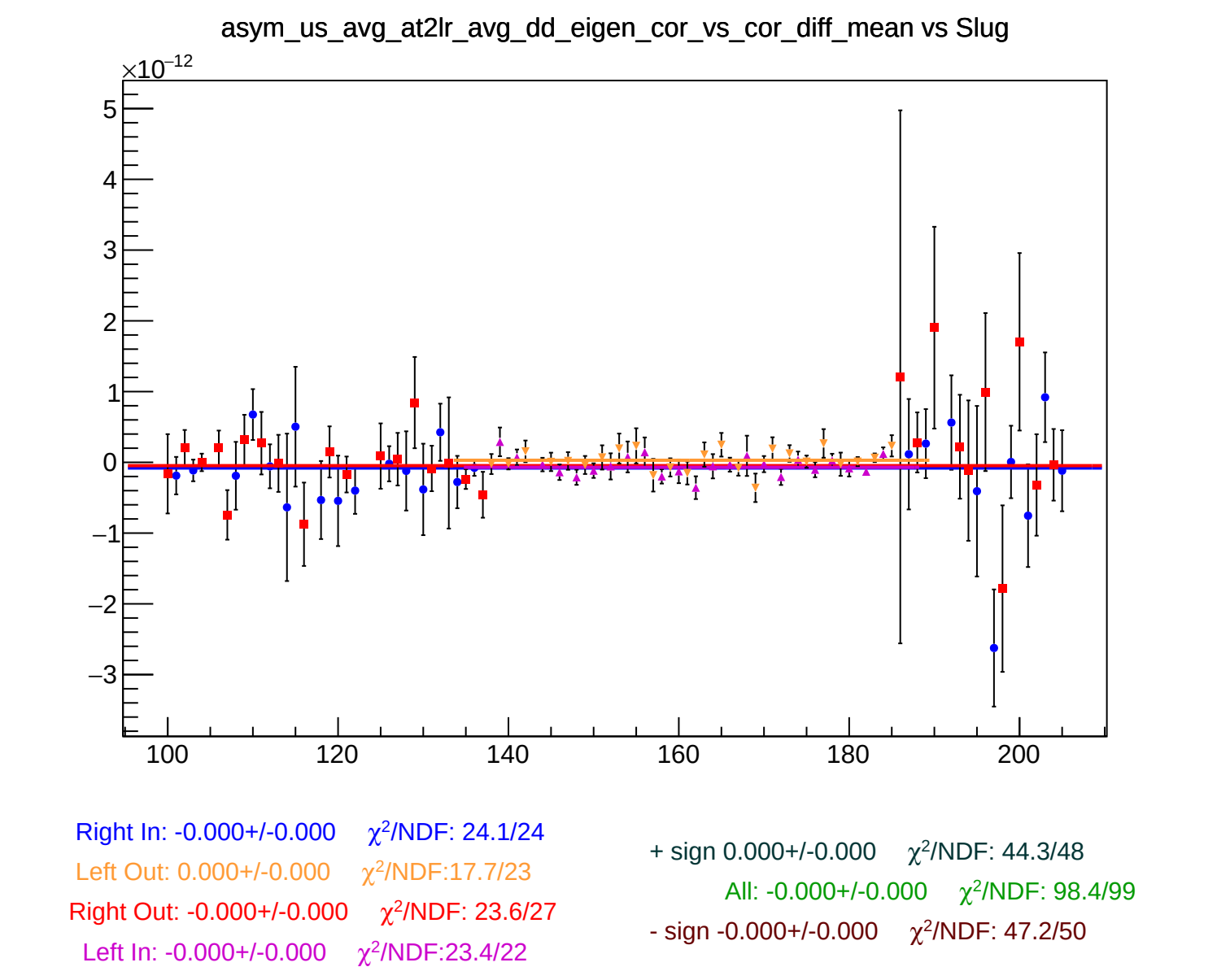
Right Out: 233.941+/-0.049 χ^2/NDF: 5186458.5/27

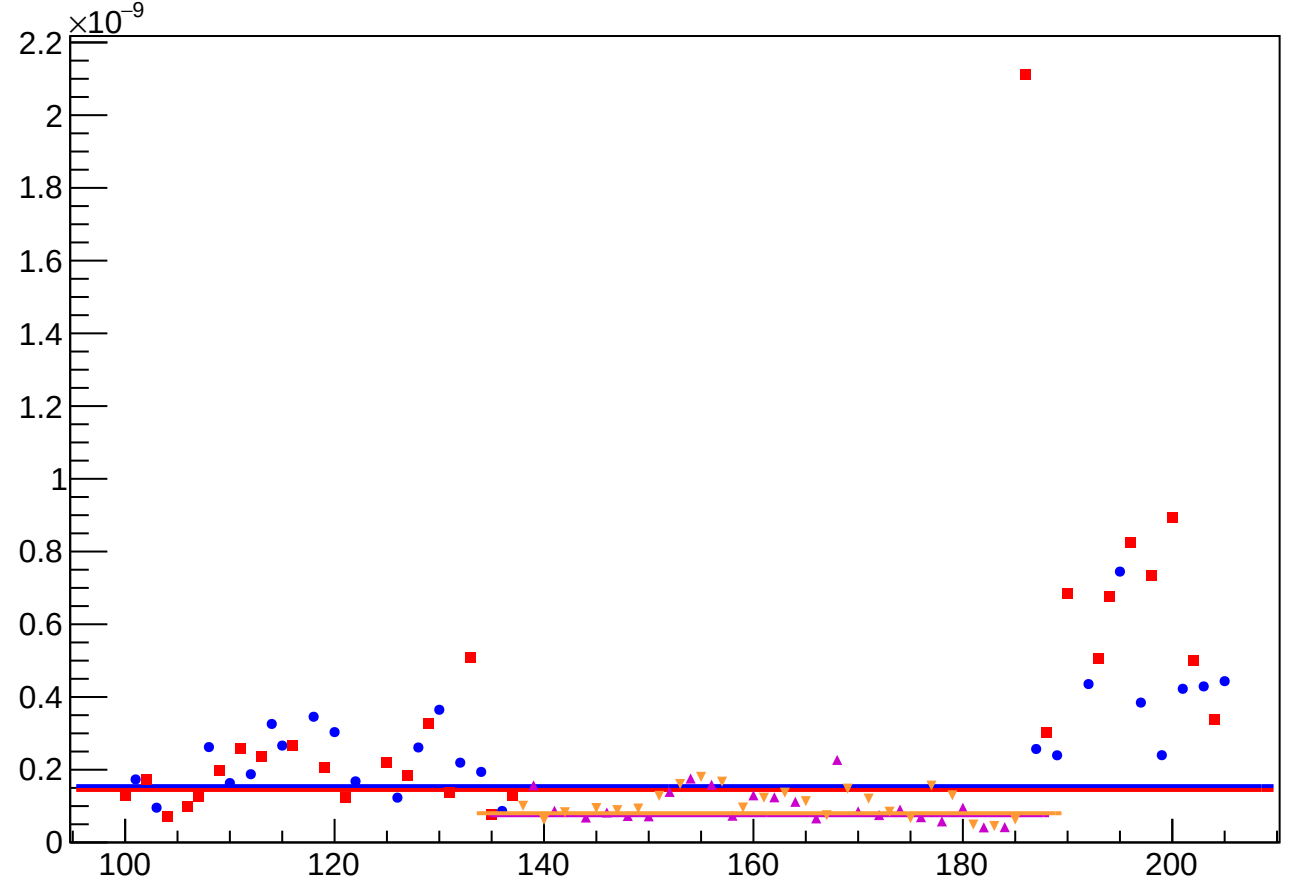
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 360.946+/-0.050 χ^2/NDF: 10963519.9/48

All: 325.033+/-0.033 χ^2/NDF: 28370667.5/99

- sign 297.982+/-0.043 χ^2/NDF: 16504296.3/50


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.1/24
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.6/27
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 44.3/48
All: -0.000+/-0.000 χ²/NDF: 98.4/99
- sign -0.000+/-0.000 χ²/NDF: 47.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 4281518.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7157492.6/27

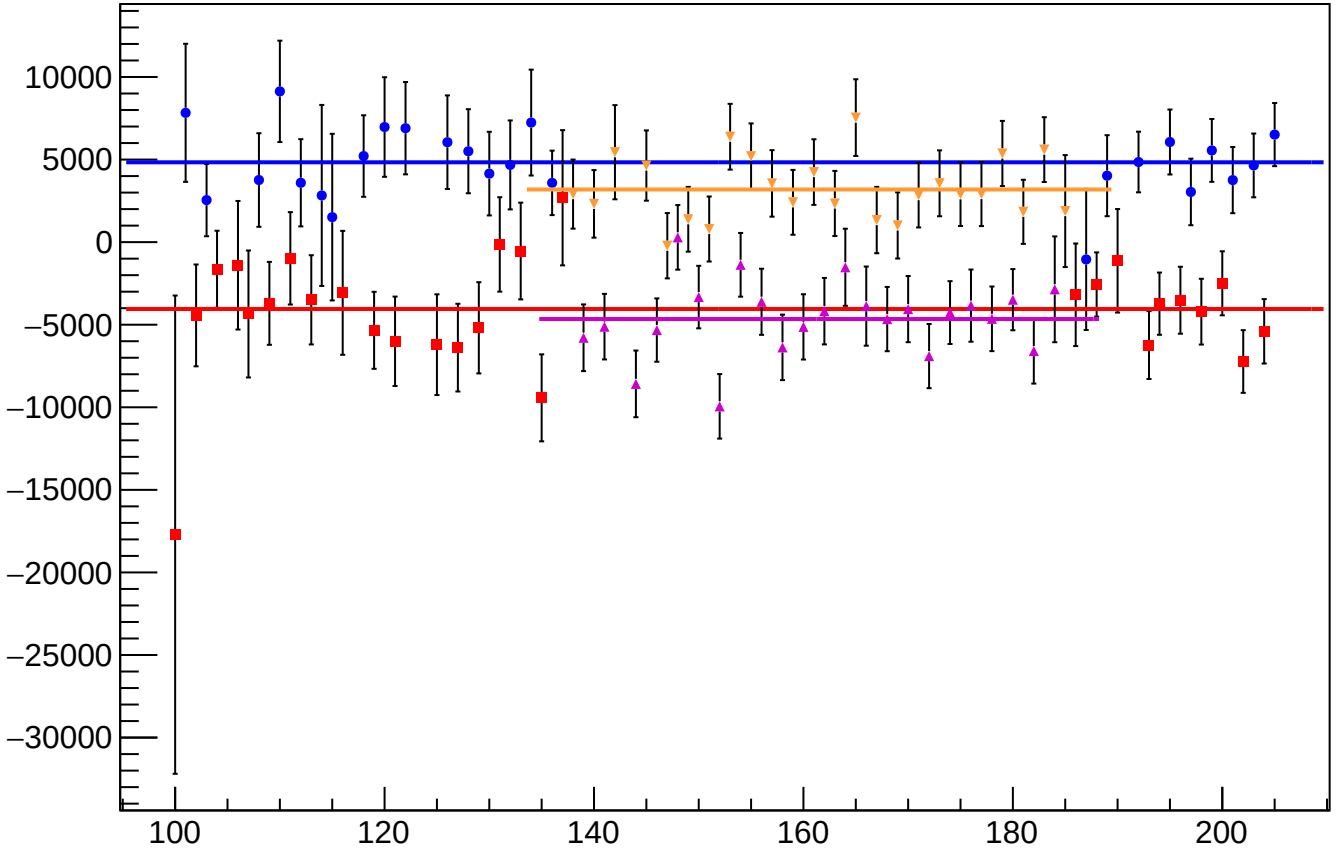
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10269428.2/48

All: 0.000+/-0.000 χ^2/NDF: 23349572.1/99

- sign 0.000+/-0.000 χ^2/NDF: 13006308.5/50

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4834.267+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -4049.228+/-479.128 χ^2/NDF: 22.9/27

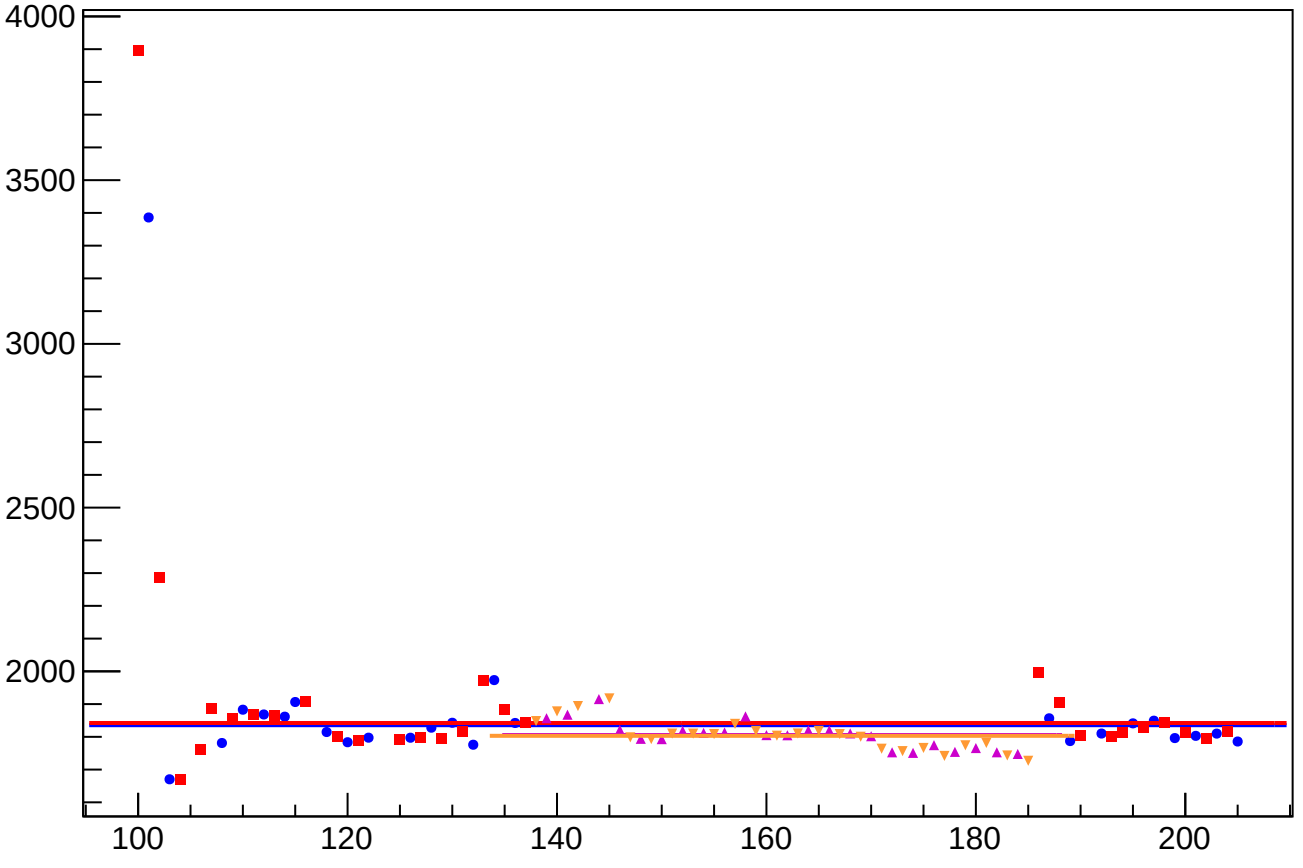
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3879.407+/-318.730 χ^2/NDF: 37.6/48

All: -284.021+/-224.602 χ^2/NDF: 428.1/99

- sign -4390.698+/-316.550 χ^2/NDF: 51.5/50

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1835.531+/-0.348 χ^2/NDF: 299103.2/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

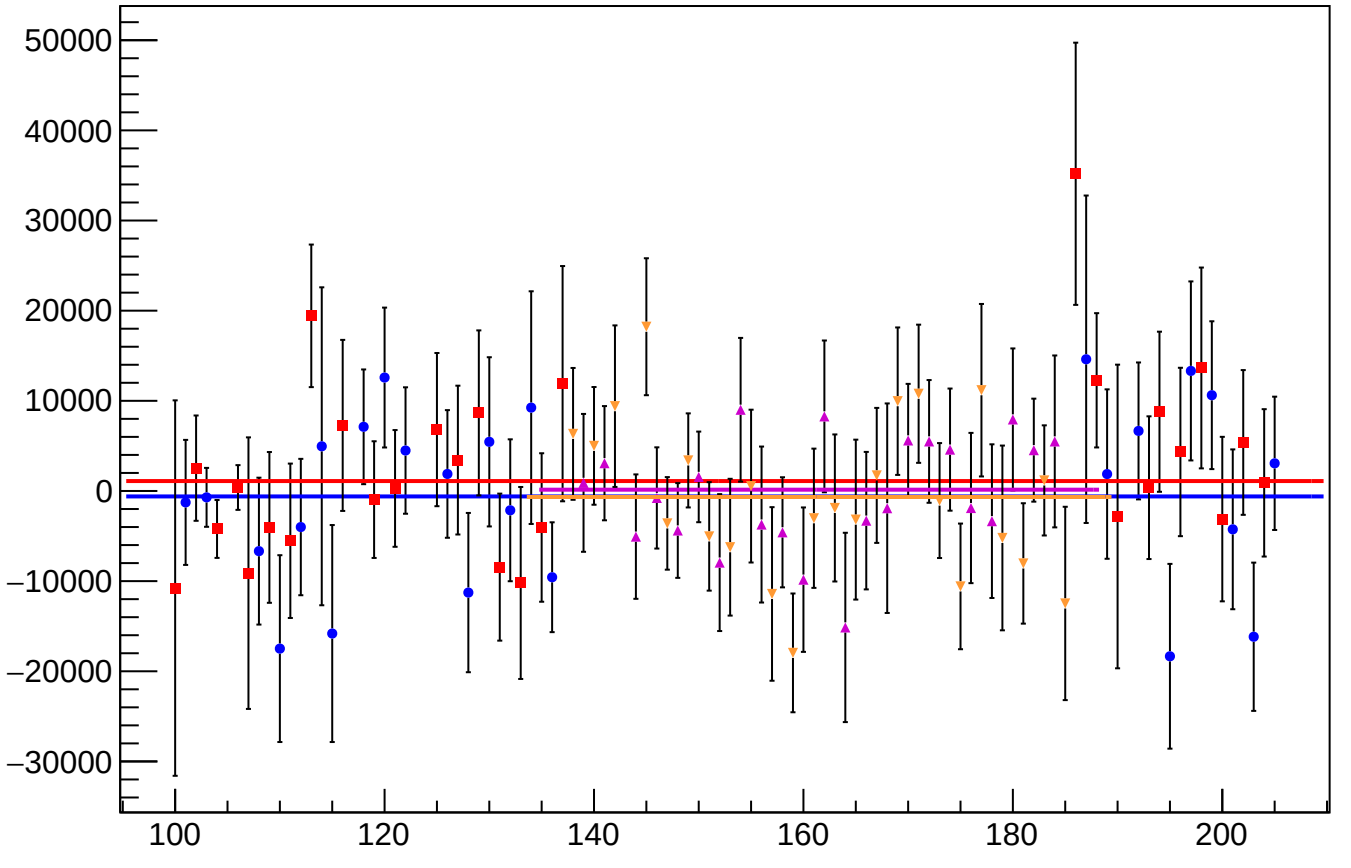
Right Out: 1842.272+/-0.338 χ^2/NDF: 113326.6/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1816.739+/-0.225 χ^2/NDF: 324784.9/48

All: 1819.193+/-0.159 χ^2/NDF: 464289.5/99

- sign 1821.610+/-0.224 χ^2/NDF: 139269.3/50



Right In: -604.991+/-1519.071 χ^2/NDF: 27.3/24

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

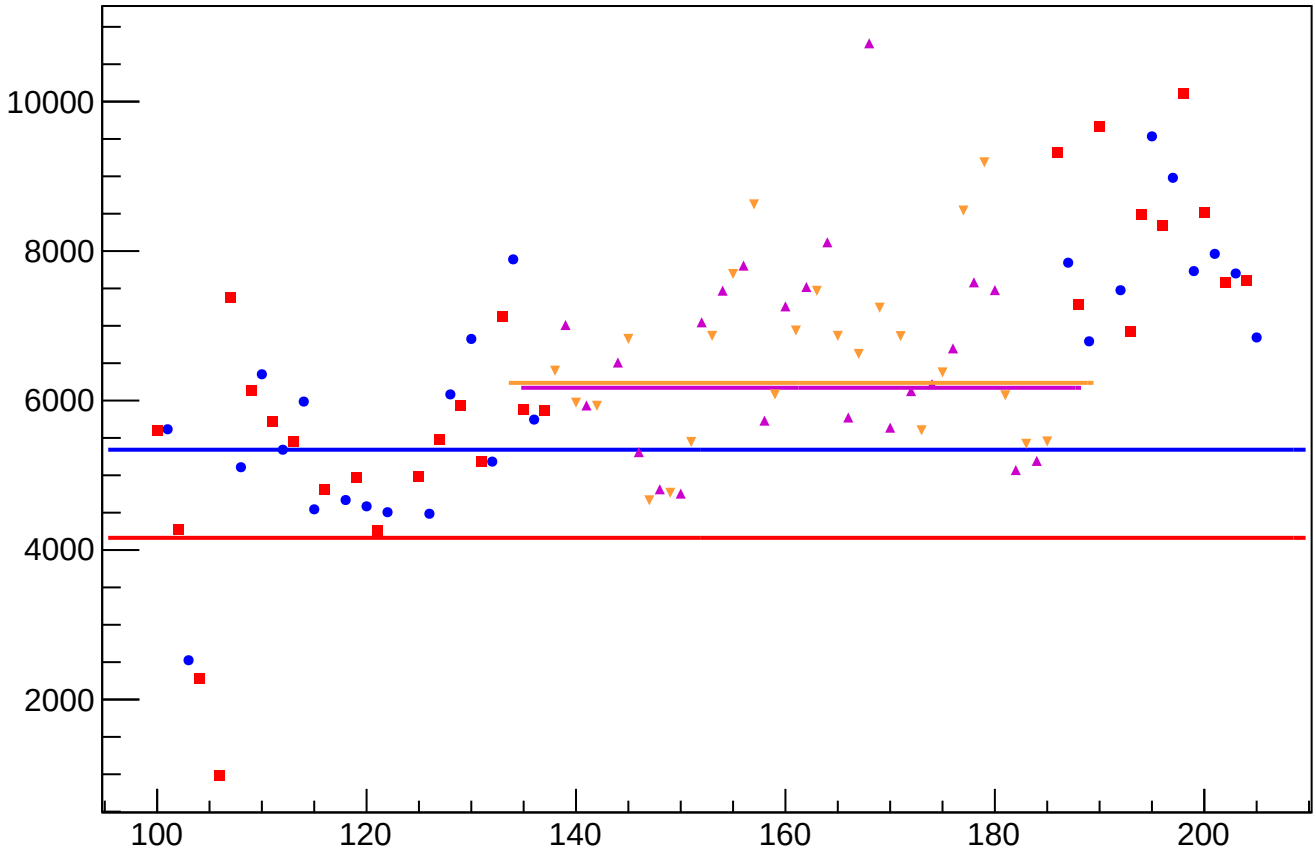
Right Out: 1100.203+/-1290.784 χ^2/NDF: 25.8/27

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -636.953+/-1059.620 χ^2/NDF: 57.1/48

All: 81.577+/-715.613 χ^2/NDF: 97.5/99

- sign 684.105+/-970.323 χ^2/NDF: 39.6/50



Right In: 5342.311+/-1.074 χ^2/NDF: 3210411.7/24

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4163.296+/-0.913 χ^2/NDF: 8477564.3/27

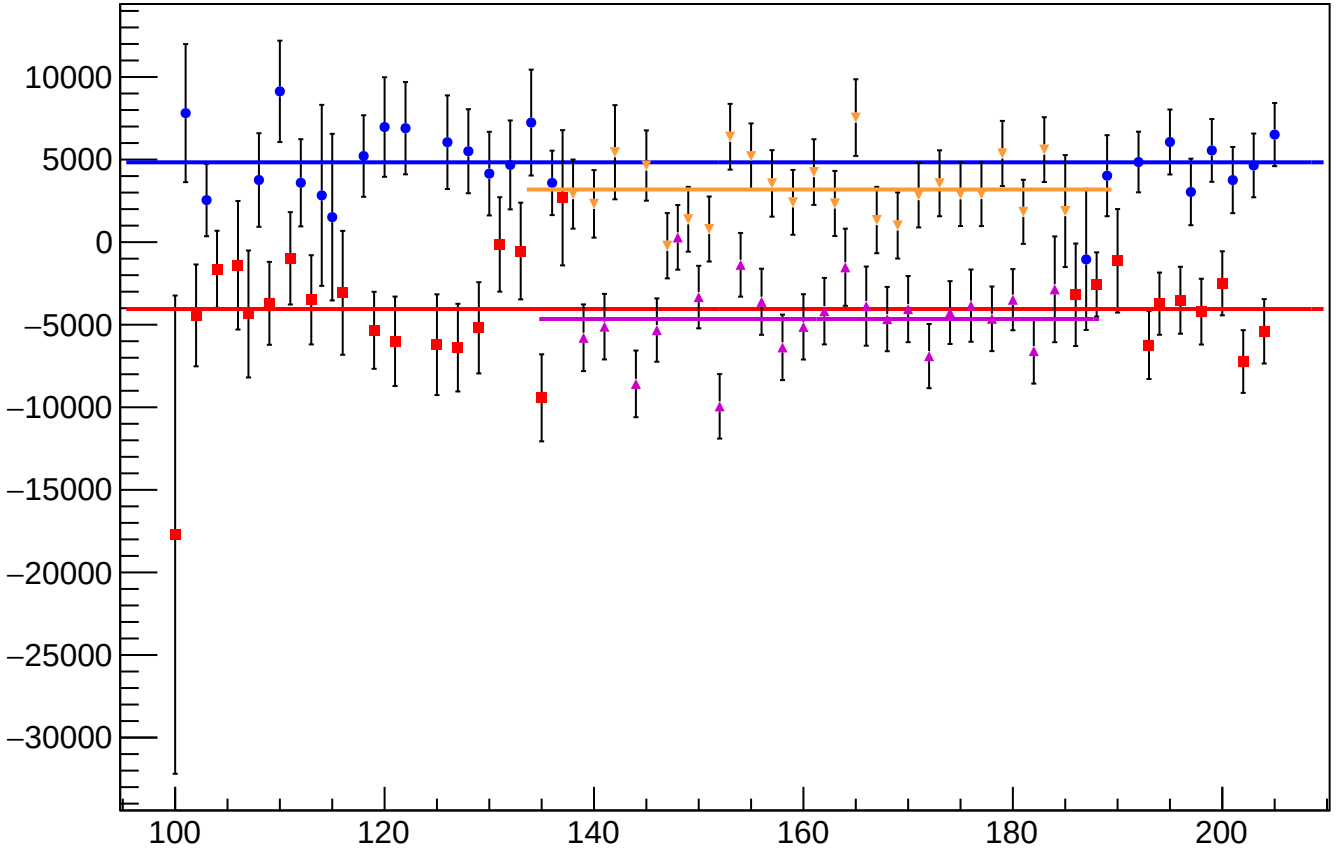
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5801.486+/-0.749 χ^2/NDF: 4633986.7/48

All: 5385.327+/-0.506 χ^2/NDF: 17020168.9/9

- sign 5036.354+/-0.686 χ^2/NDF: 11818997.3/50

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4049.085+/-479.128 χ^2/NDF: 22.9/27

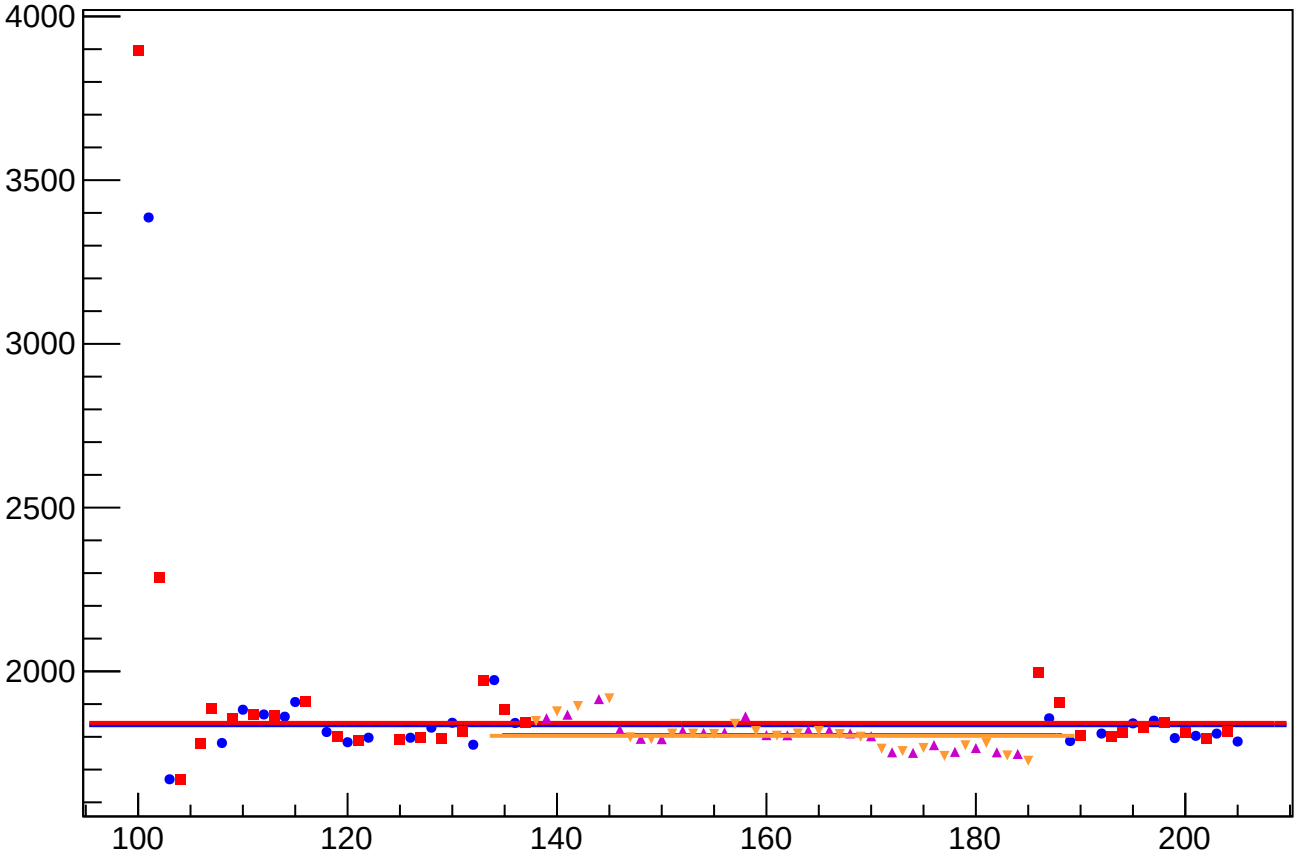
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3879.284+/-318.730 χ^2/NDF: 37.6/48

All: -284.056+/-224.602 χ^2/NDF: 428.1/99

- sign -4390.646+/-316.550 χ^2/NDF: 51.5/50

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

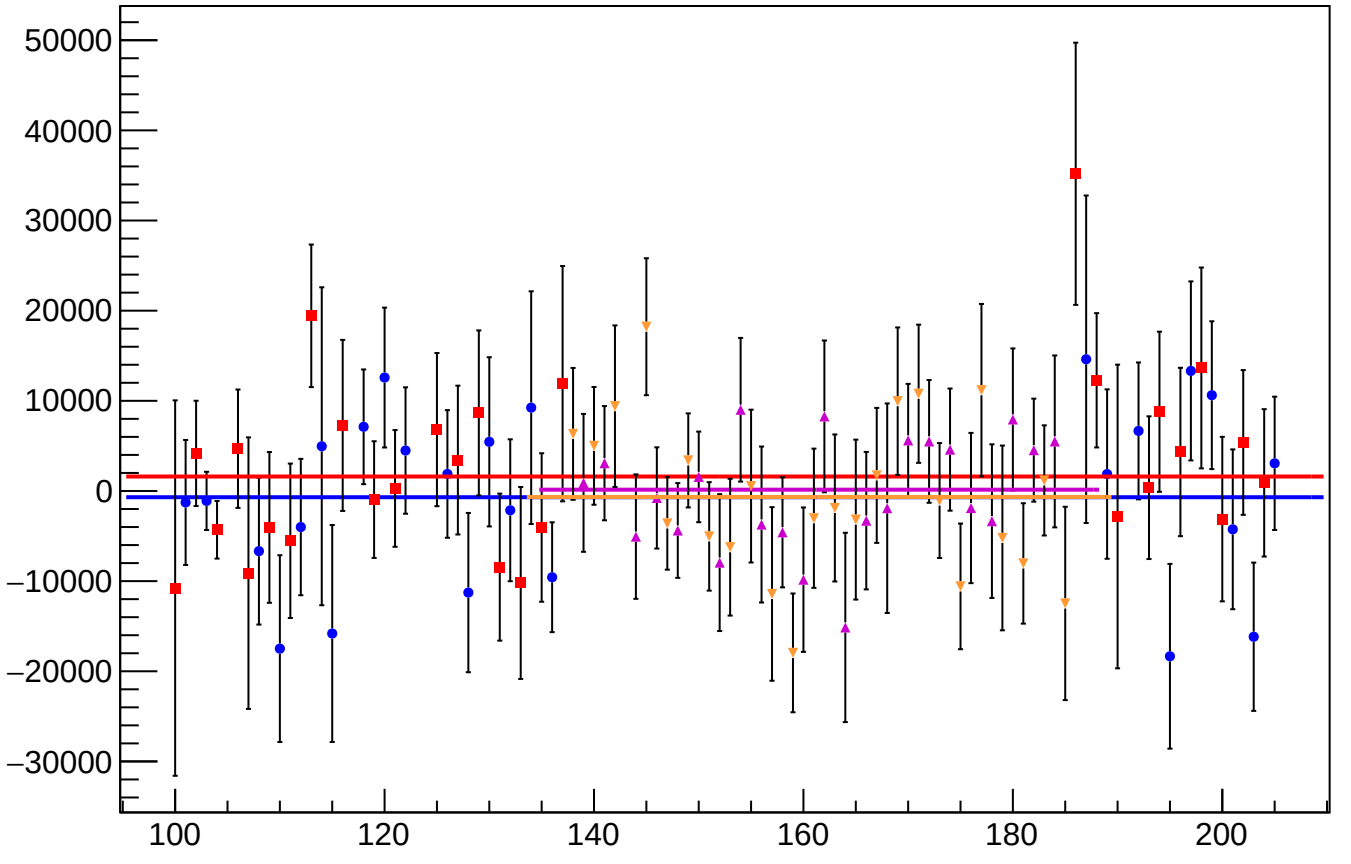
Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1816.739+/-0.225 χ^2/NDF: 324786.7/48

All: 1819.265+/-0.159 χ^2/NDF: 464020.9/99

- sign 1821.753+/-0.224 χ^2/NDF: 138984.9/50



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

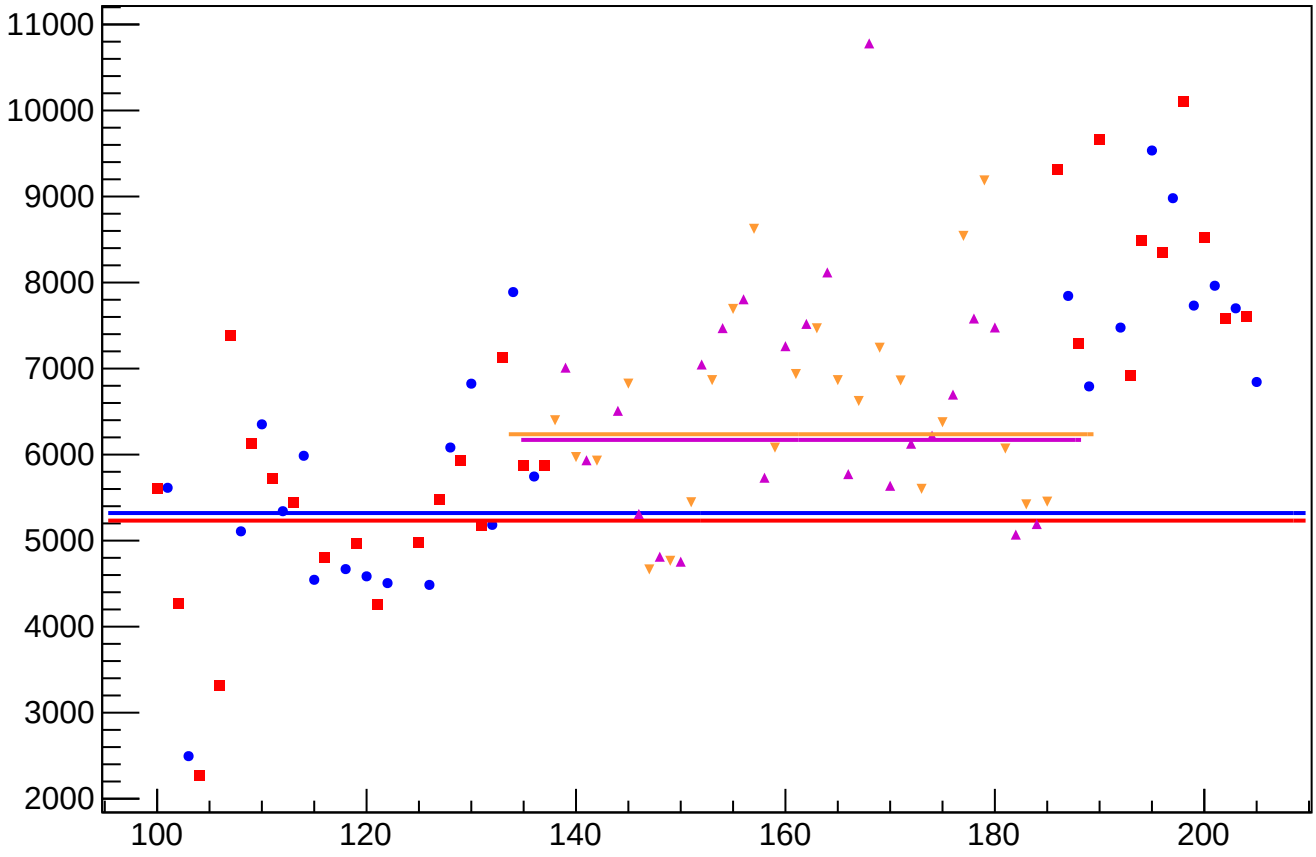
Right Out: 1604.245+/-1471.266 χ^2/NDF: 26.2/27

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -679.676+/-1058.249 χ^2/NDF: 57.1/48

All: 110.319+/-741.896 χ^2/NDF: 98.5/99

- sign 873.859+/-1040.379 χ^2/NDF: 40.3/50



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

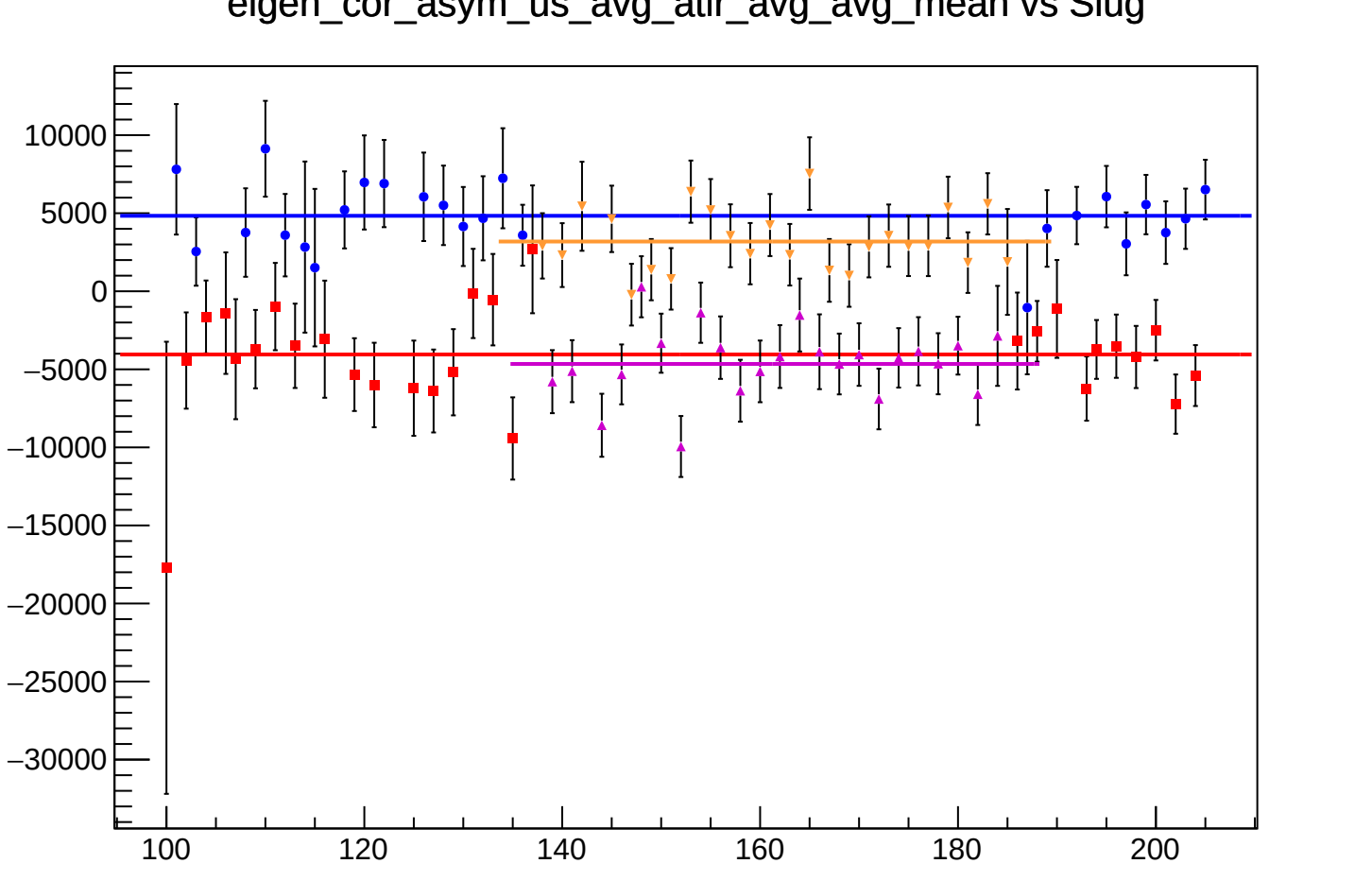
Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5789.699+/-0.748 χ^2/NDF: 4722069.3/48

All: 5744.973+/-0.525 χ^2/NDF: 10553392.0/9

- sign 5701.745+/-0.736 χ^2/NDF: 5824297.3/50



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4049.085+/-479.128 χ^2/NDF: 22.9/27

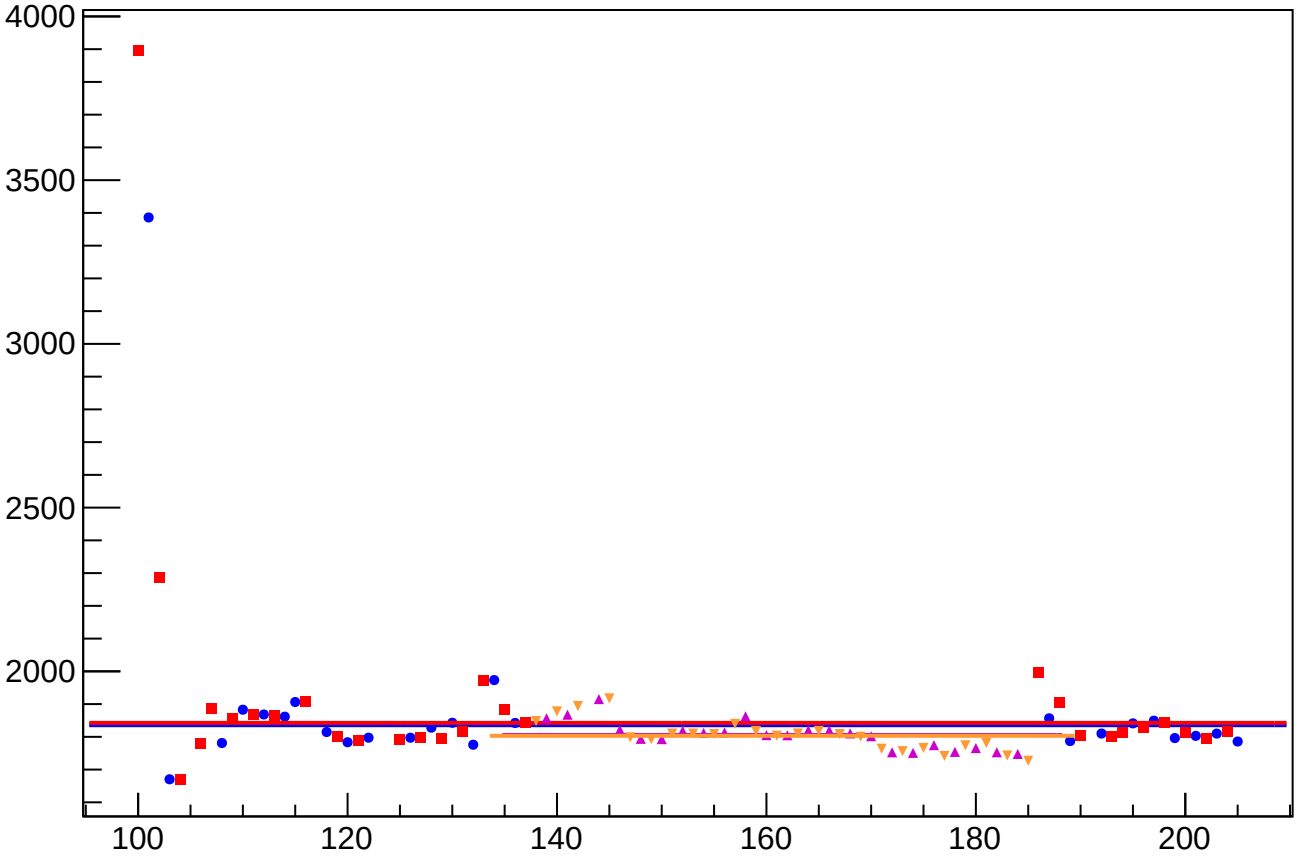
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3879.284+/-318.730 χ^2/NDF: 37.6/48

All: -284.056+/-224.602 χ^2/NDF: 428.1/99

- sign -4390.646+/-316.550 χ^2/NDF: 51.5/50

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

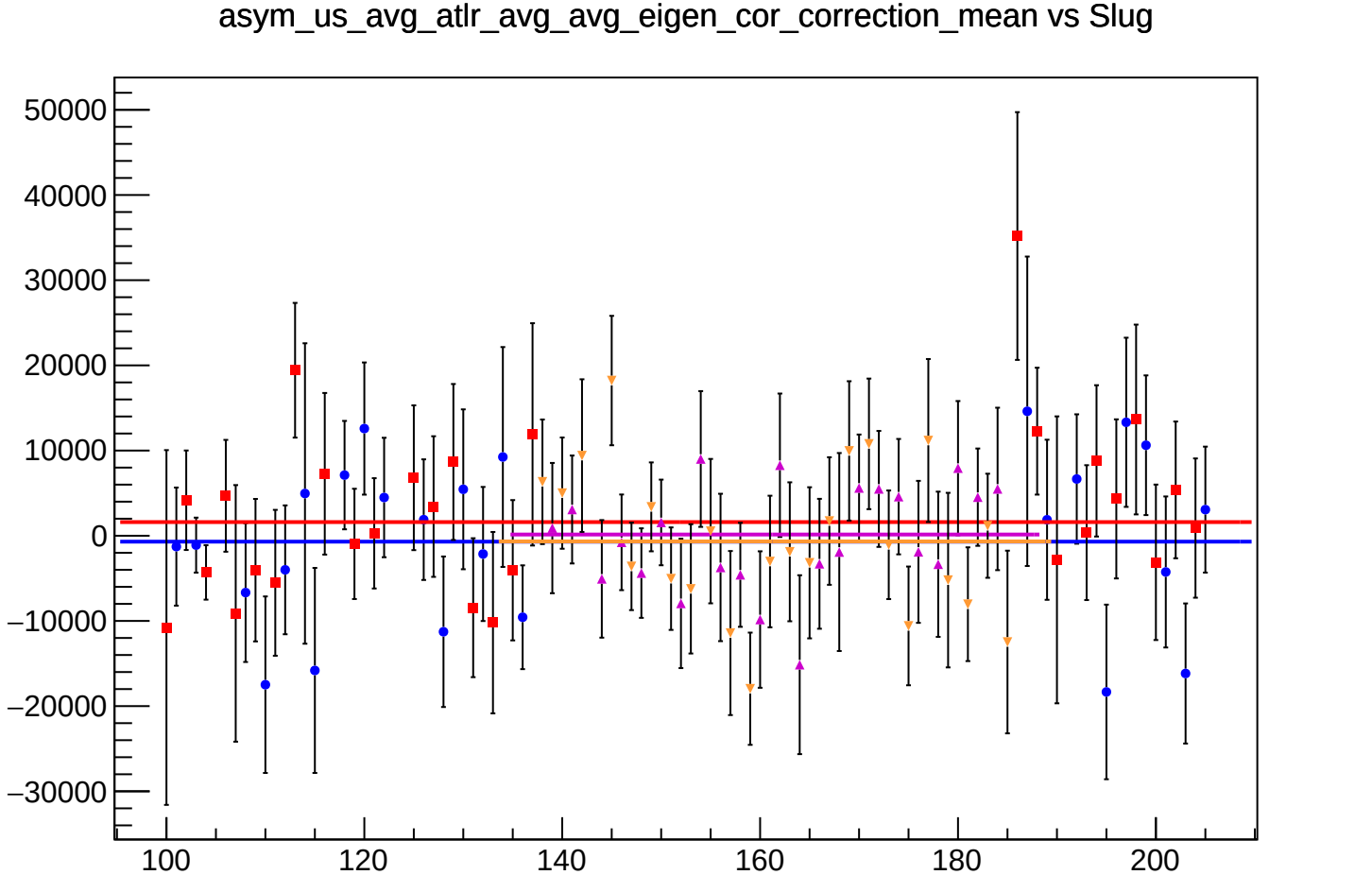
Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1816.739+/-0.225 χ^2/NDF: 324786.7/48

All: 1819.265+/-0.159 χ^2/NDF: 464020.9/99

- sign 1821.753+/-0.224 χ^2/NDF: 138984.9/50



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

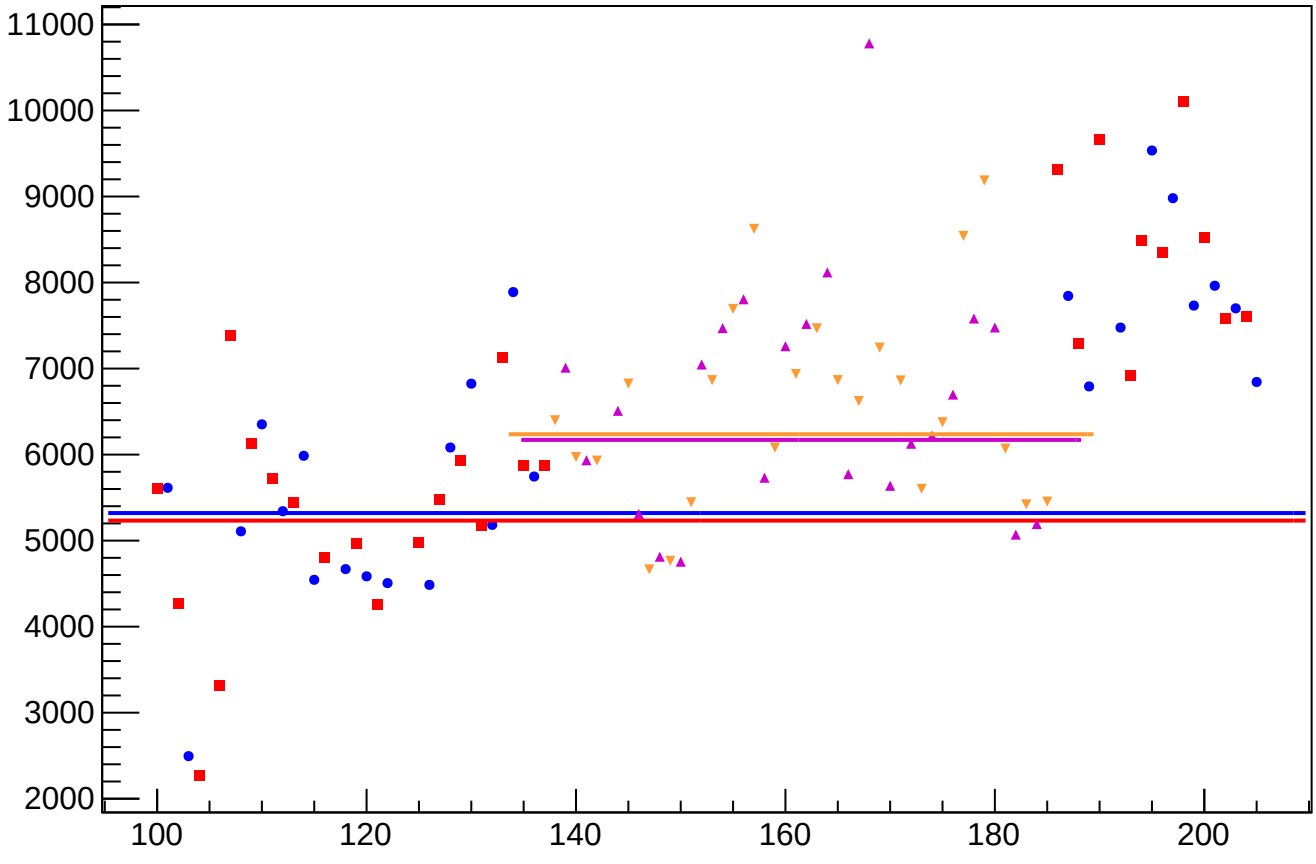
Right Out: 1604.245+/-1471.266 χ^2/NDF: 26.2/27

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -679.676+/-1058.249 χ^2/NDF: 57.1/48

All: 110.319+/-741.896 χ^2/NDF: 98.5/99

- sign 873.859+/-1040.379 χ^2/NDF: 40.3/50



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

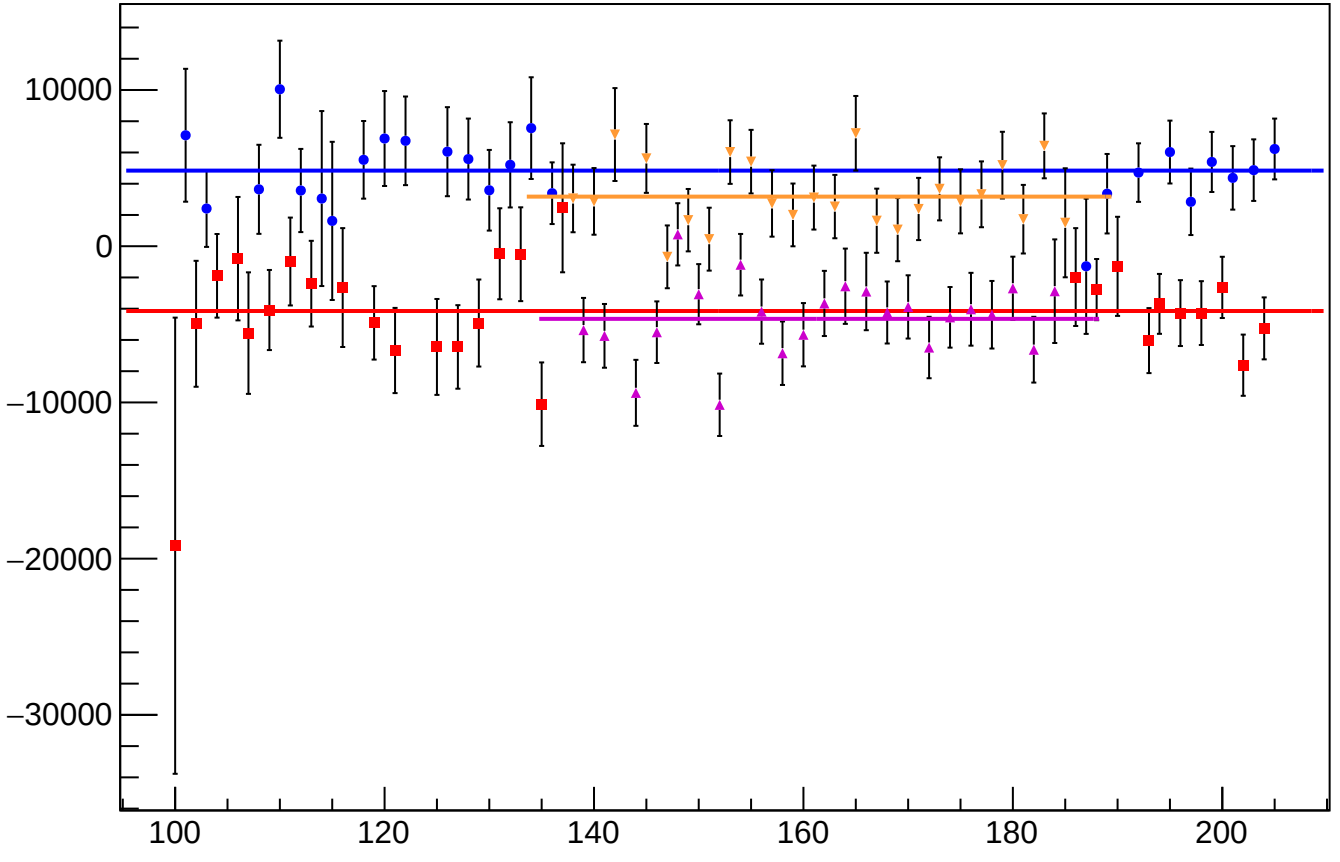
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5789.699+/-0.748 χ^2/NDF: 4722069.3/48

All: 5744.973+/-0.525 χ^2/NDF: 10553392.0/9

- sign 5701.745+/-0.736 χ^2/NDF: 5824297.3/50

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4839.614+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4147.267+/-491.522 χ^2/NDF: 24.1/27

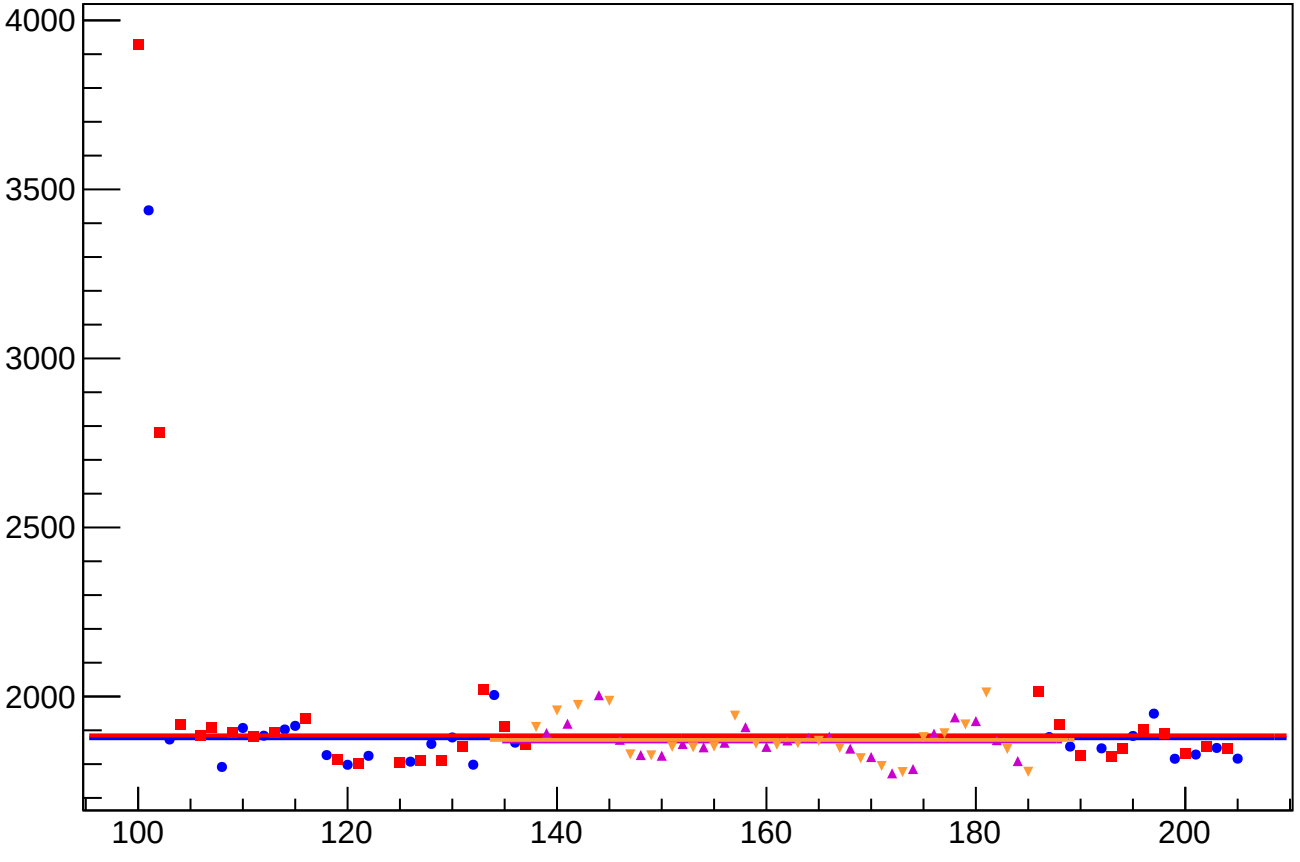
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3887.058+/-328.878 χ^2/NDF: 39.8/48

All: -304.176+/-231.618 χ^2/NDF: 417.3/99

- sign -4428.766+/-326.252 χ^2/NDF: 55.3/50

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1876.668+/-0.355 χ^2/NDF: 289151.4/24

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

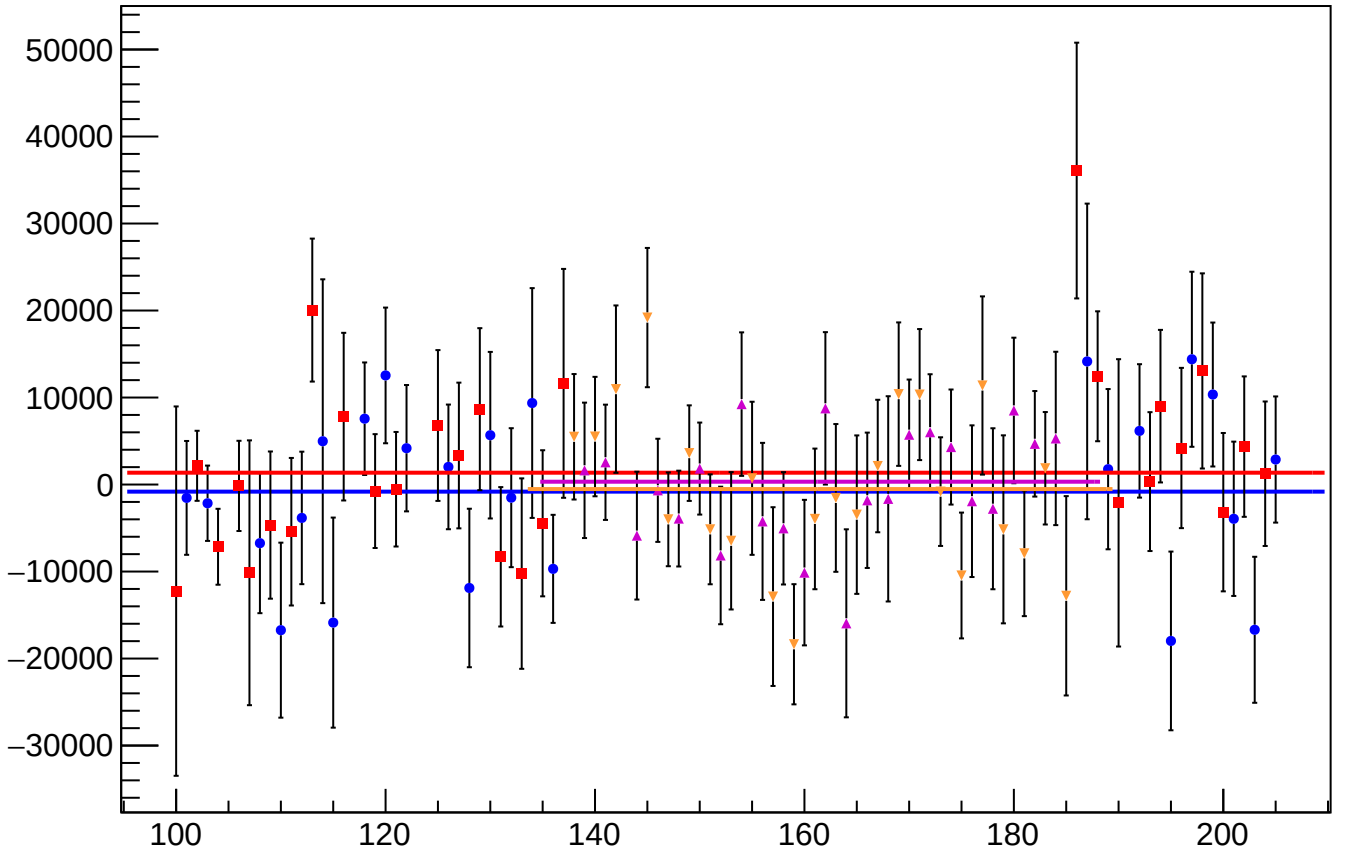
Right Out: 1884.957+/-0.347 χ^2/NDF: 161709.7/27

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1873.986+/-0.233 χ^2/NDF: 326405.7/48

All: 1874.477+/-0.164 χ^2/NDF: 516852.0/99

- sign 1874.960+/-0.231 χ^2/NDF: 190437.5/50



Right In: -815.805+/-1601.411 χ^2/NDF: 27.2/24

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: 1361.135+/-1478.390 χ^2/NDF: 26.8/27

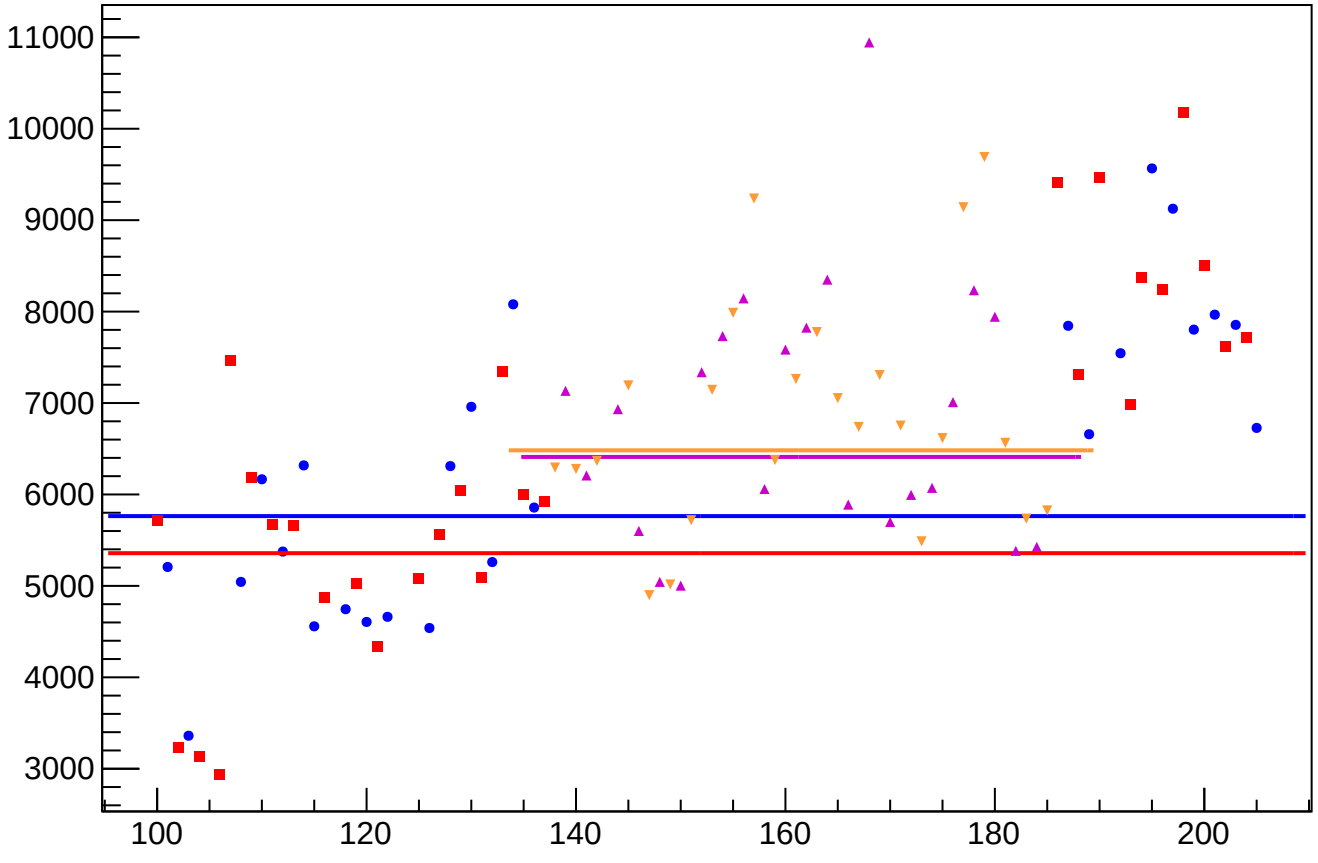
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -661.950+/-1108.814 χ^2/NDF: 56.5/48

All: 131.473+/-767.146 χ^2/NDF: 97.8/99

- sign 859.977+/-1062.484 χ^2/NDF: 40.4/50

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5763.234+/-1.132 χ^2/NDF: 2038195.1/24

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

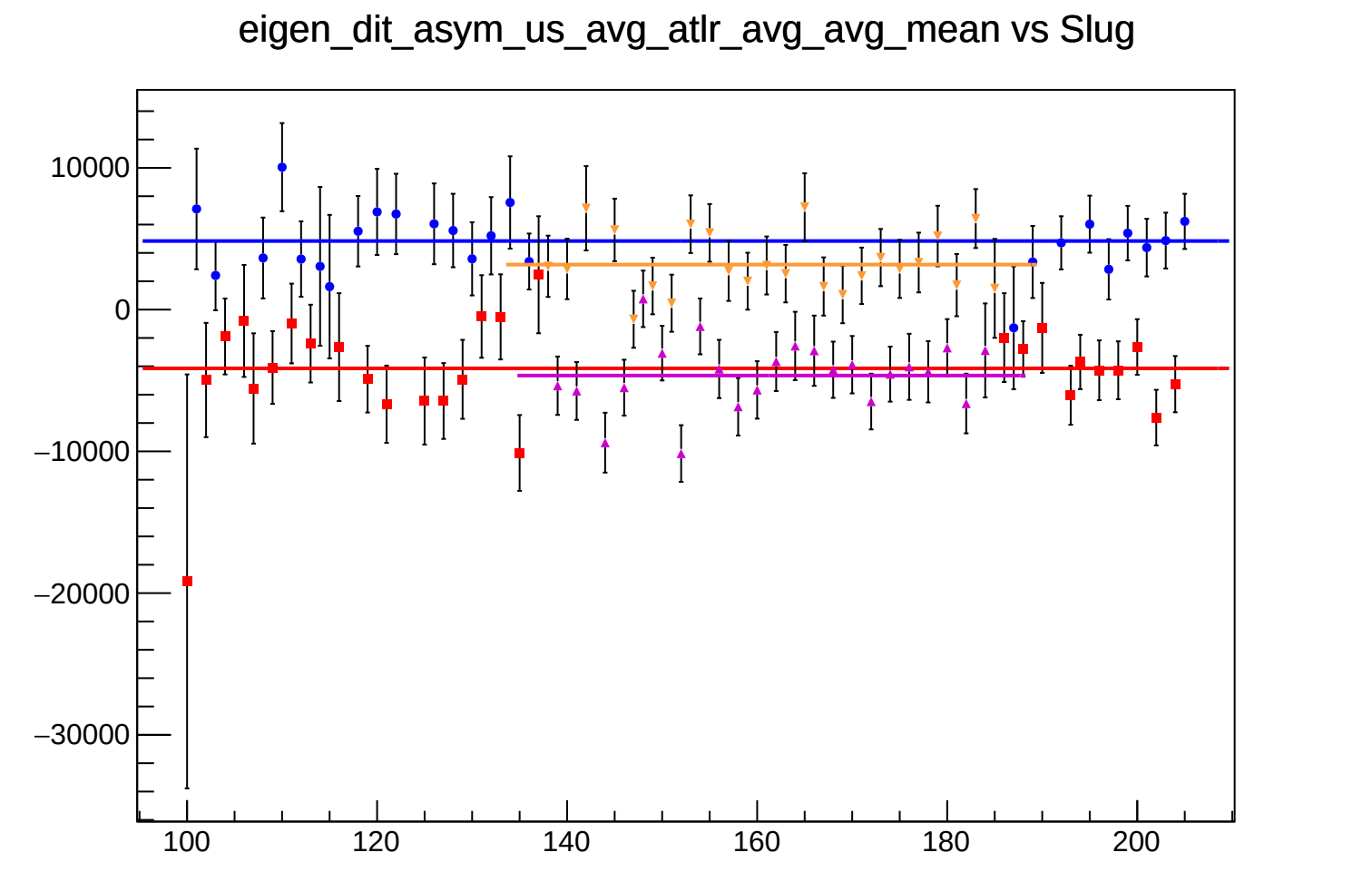
Right Out: 5357.794+/-1.045 χ^2/NDF: 3589918.1/27

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6137.793+/-0.784 χ^2/NDF: 3322950.7/48

All: 5996.487+/-0.542 χ^2/NDF: 8685233.6/99

- sign 5866.743+/-0.751 χ^2/NDF: 5299978.0/50



Right In: 4839.610+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4147.264+/-491.522 χ^2/NDF: 24.1/27

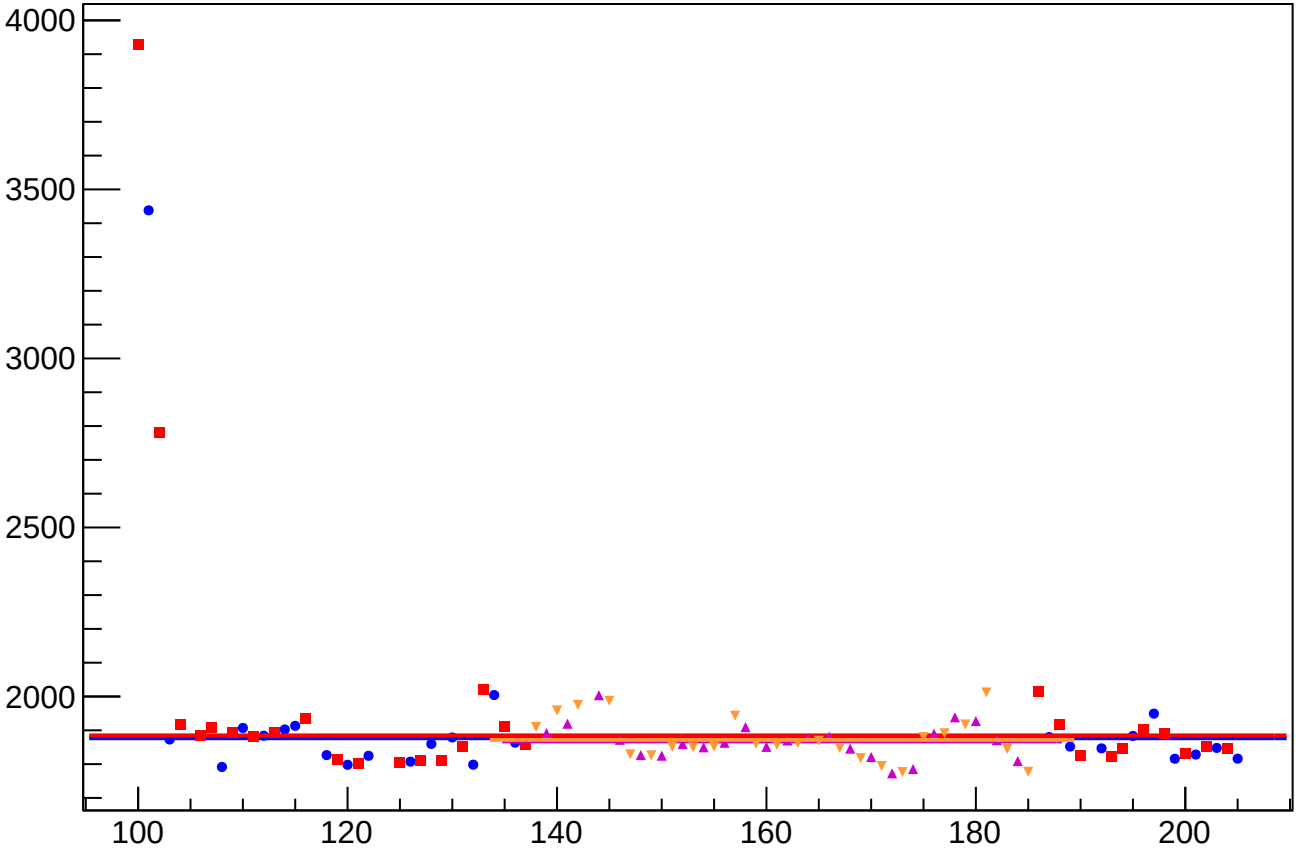
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3887.053+/-328.878 χ^2/NDF: 39.8/48

All: -304.178+/-231.618 χ^2/NDF: 417.3/99

- sign -4428.764+/-326.253 χ^2/NDF: 55.3/50

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1876.667+/-0.355 χ^2/NDF: 289151.6/24

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

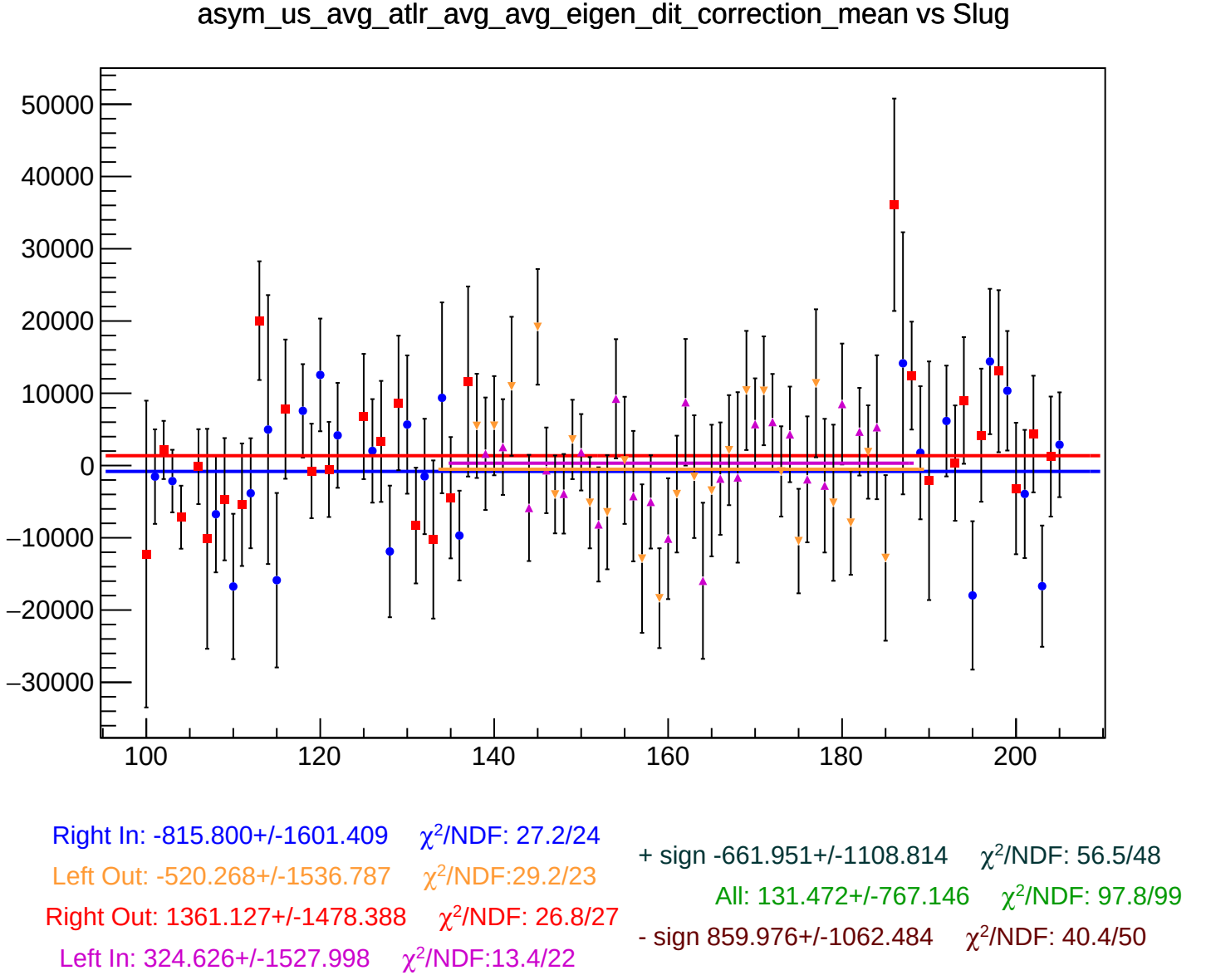
Right Out: 1884.957+/-0.347 χ^2/NDF: 161708.7/27

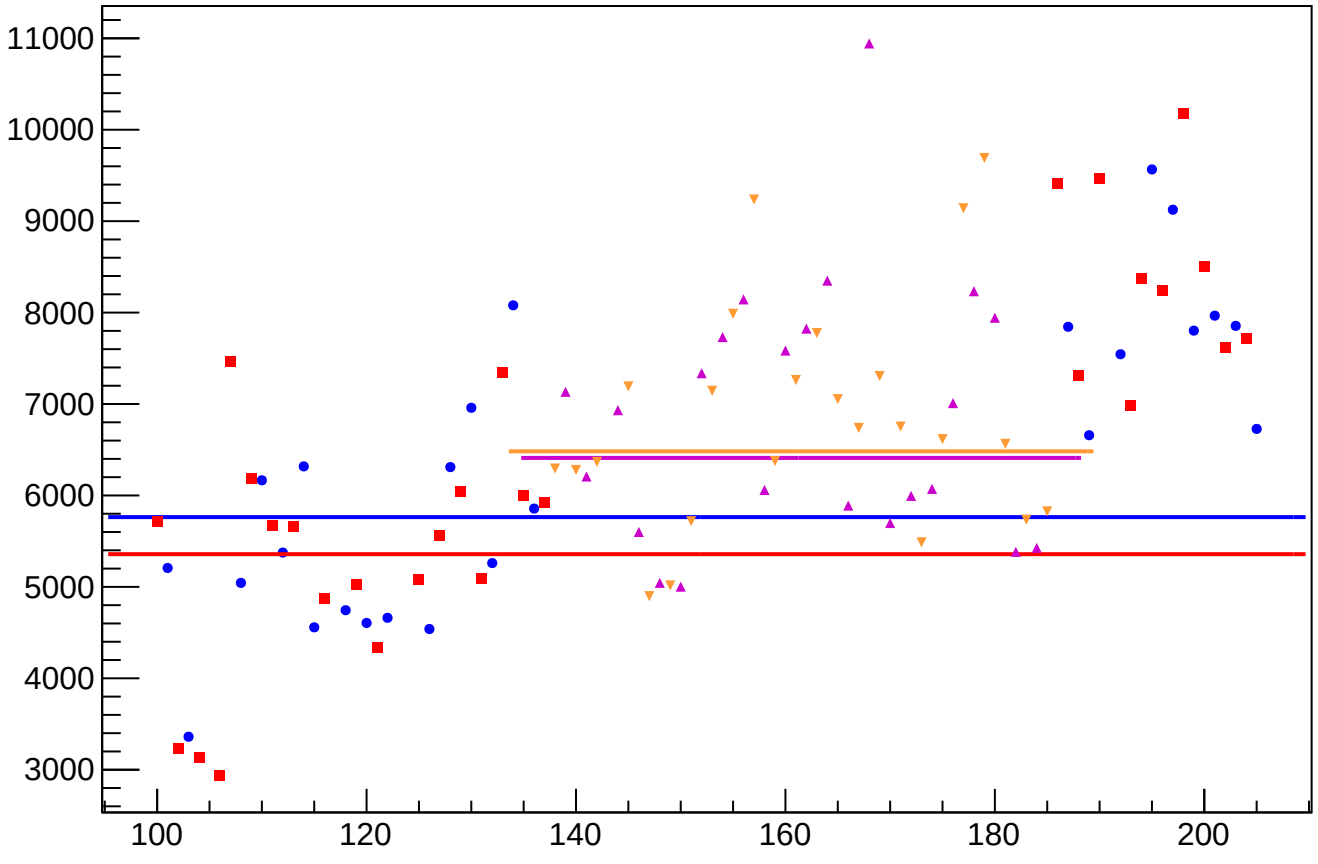
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1873.986+/-0.233 χ^2/NDF: 326406.9/48

All: 1874.478+/-0.164 χ^2/NDF: 516853.1/99

- sign 1874.961+/-0.231 χ^2/NDF: 190437.4/50


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -815.800+/-1601.409 χ²/NDF: 27.2/24
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 1361.127+/-1478.388 χ²/NDF: 26.8/27
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -661.951+/-1108.814 χ²/NDF: 56.5/48
All: 131.472+/-767.146 χ²/NDF: 97.8/99
- sign 859.976+/-1062.484 χ²/NDF: 40.4/50



Right In: 5763.224+/-1.132 χ^2/NDF: 2038219.9/24

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5357.783+/-1.045 χ^2/NDF: 3589943.0/27

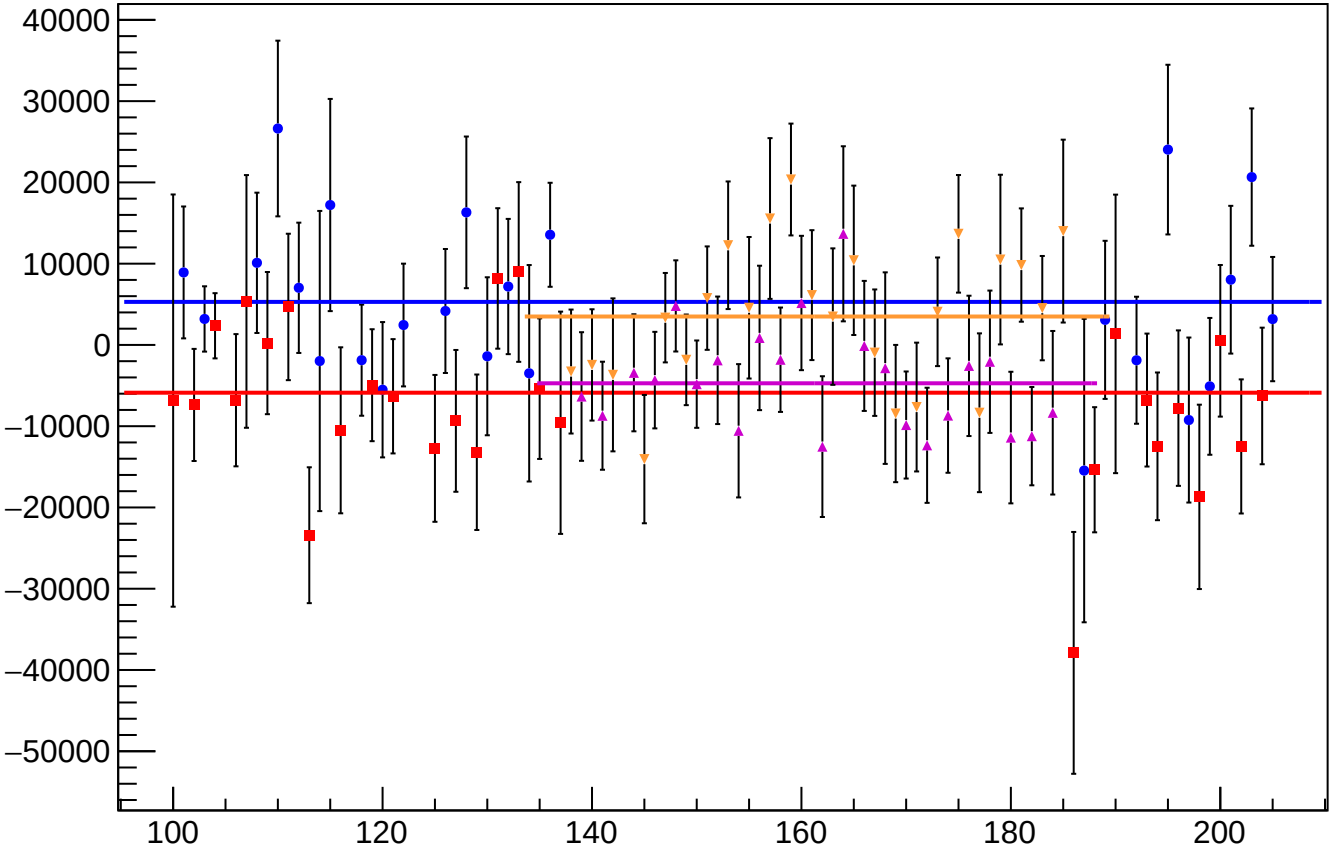
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6137.792+/-0.784 χ^2/NDF: 3322990.1/48

All: 5996.485+/-0.542 χ^2/NDF: 8685321.4/99

- sign 5866.741+/-0.751 χ^2/NDF: 5300025.6/50

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5296.835+/-1651.754 χ^2/NDF: 25.1/24

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5878.679+/-1618.016 χ^2/NDF: 26.4/27

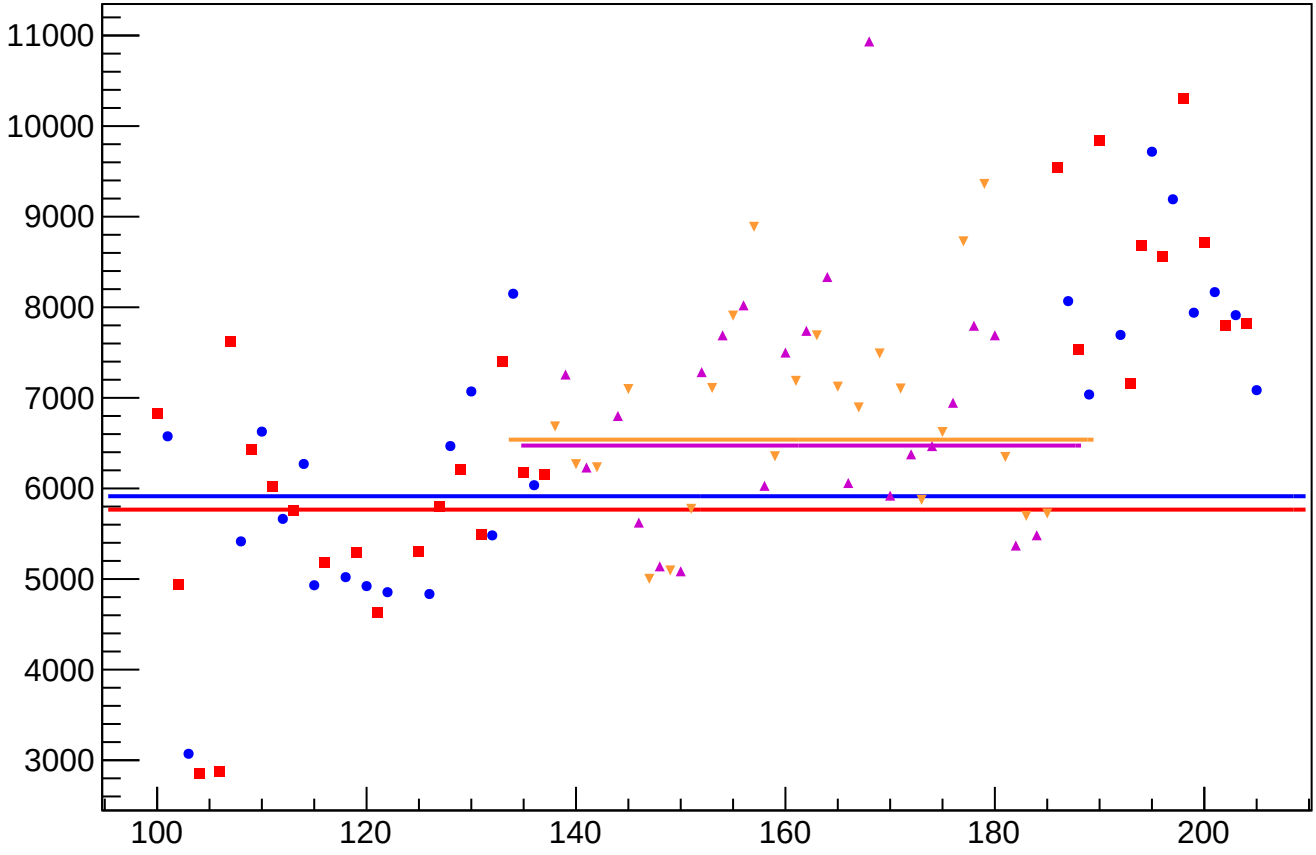
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4337.452+/-1128.660 χ^2/NDF: 53.2/48

All: -524.028+/-793.279 χ^2/NDF: 130.8/99

- sign -5270.180+/-1115.192 χ^2/NDF: 41.0/50

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5914.087+/-1.168 χ^2/NDF: 2311856.7/24

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

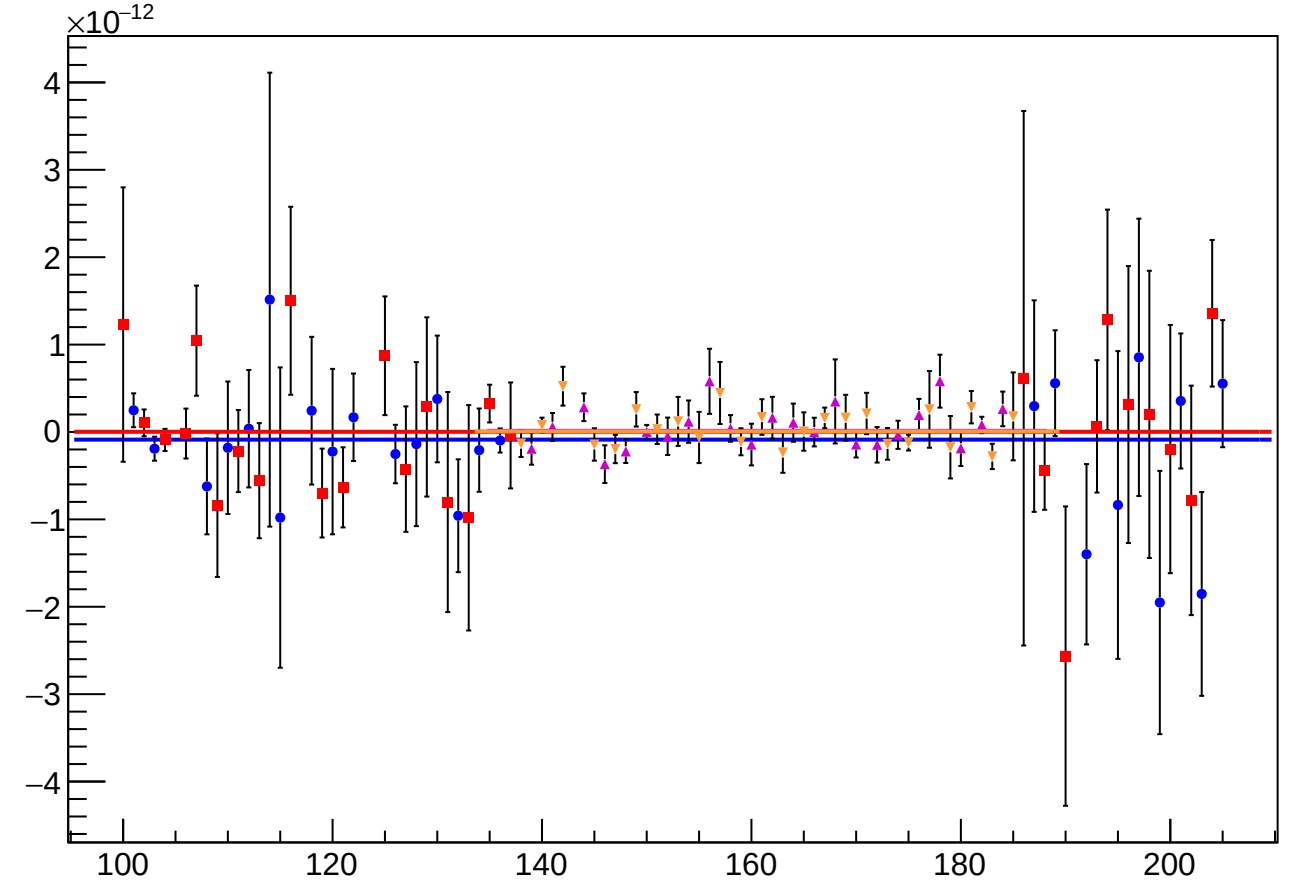
Right Out: 5766.252+/-1.128 χ^2/NDF: 3240280.7/27

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6247.060+/-0.798 χ^2/NDF: 3384935.1/48

All: 6188.638+/-0.559 χ^2/NDF: 7911141.3/99

- sign 6132.389+/-0.783 χ^2/NDF: 4515688.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

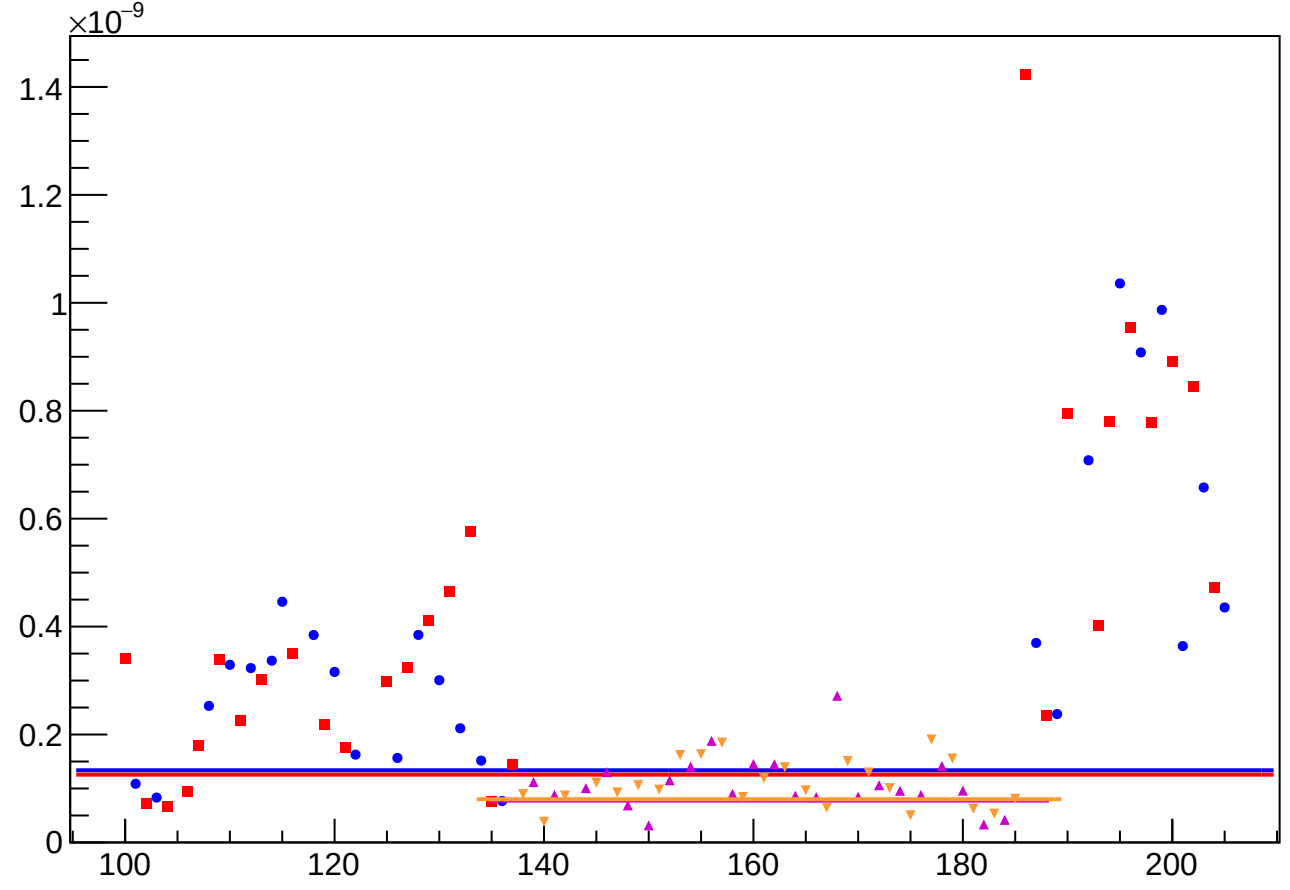
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/27

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/48

All: 0.000+/-0.000 χ^2/NDF: 93.9/99

- sign 0.000+/-0.000 χ^2/NDF: 48.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 4980369.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

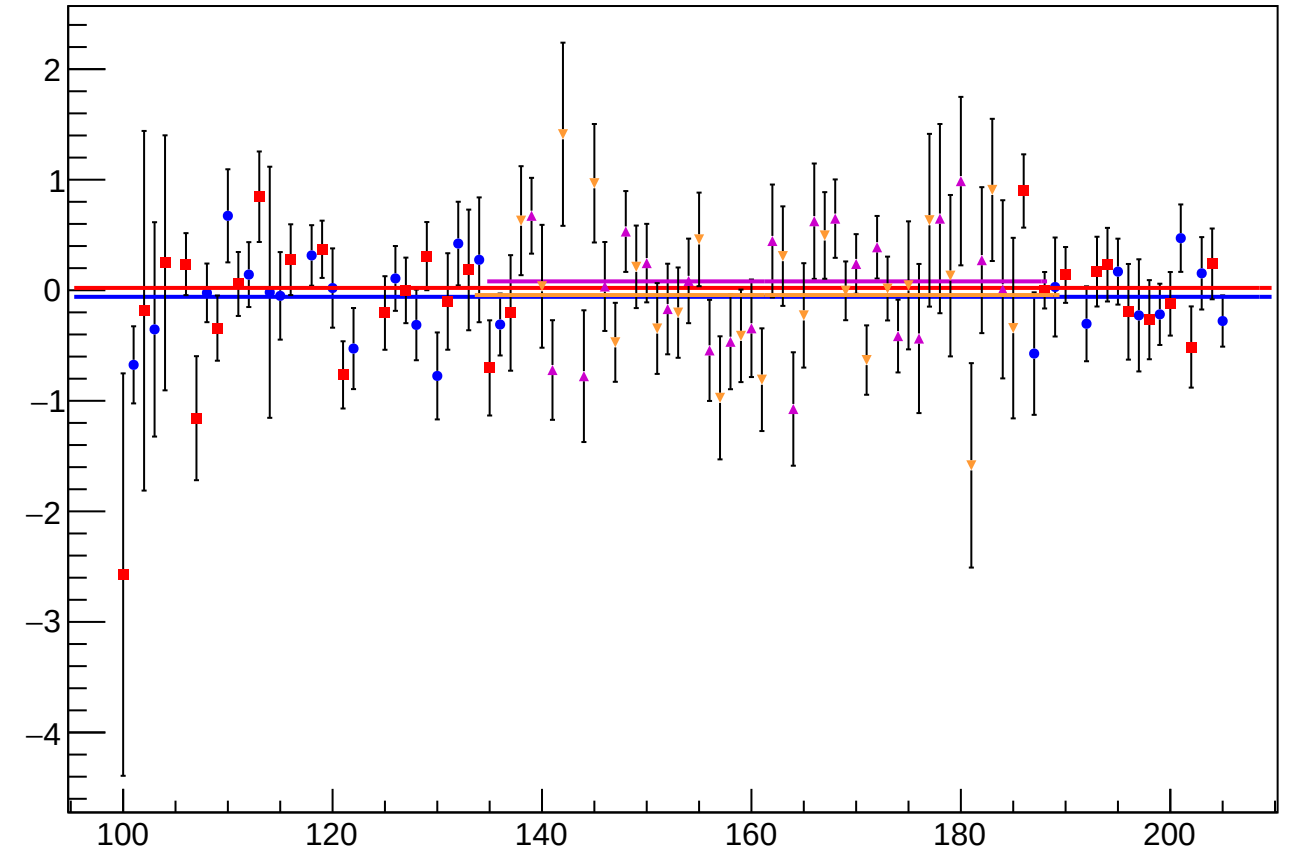
Right Out: 0.000+/-0.000 χ^2/NDF: 6219929.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7961634.9/48

All: 0.000+/-0.000 χ^2/NDF: 17520204.3/99

- sign 0.000+/-0.000 χ^2/NDF: 9545237.0/50



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

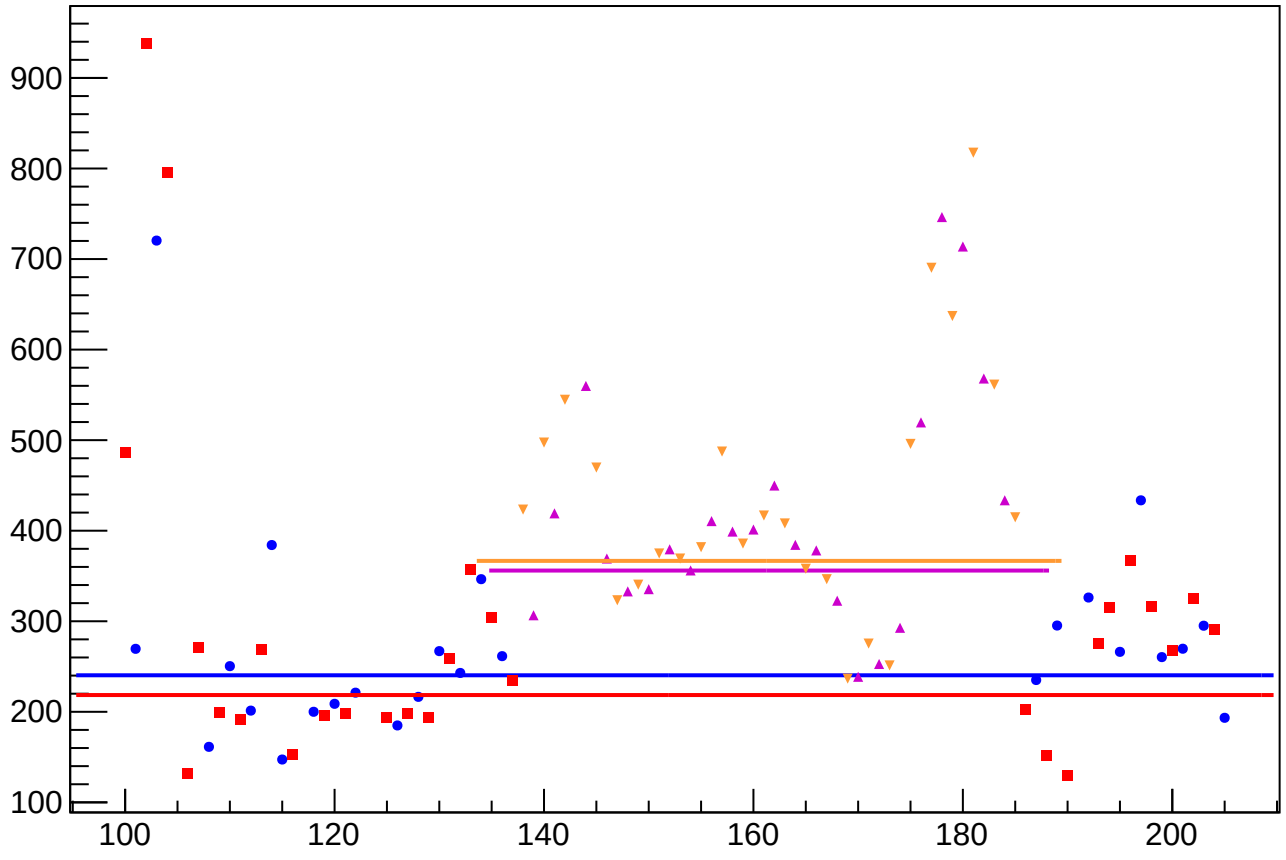
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.003+/-0.037 χ^2/NDF: 125.2/99

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

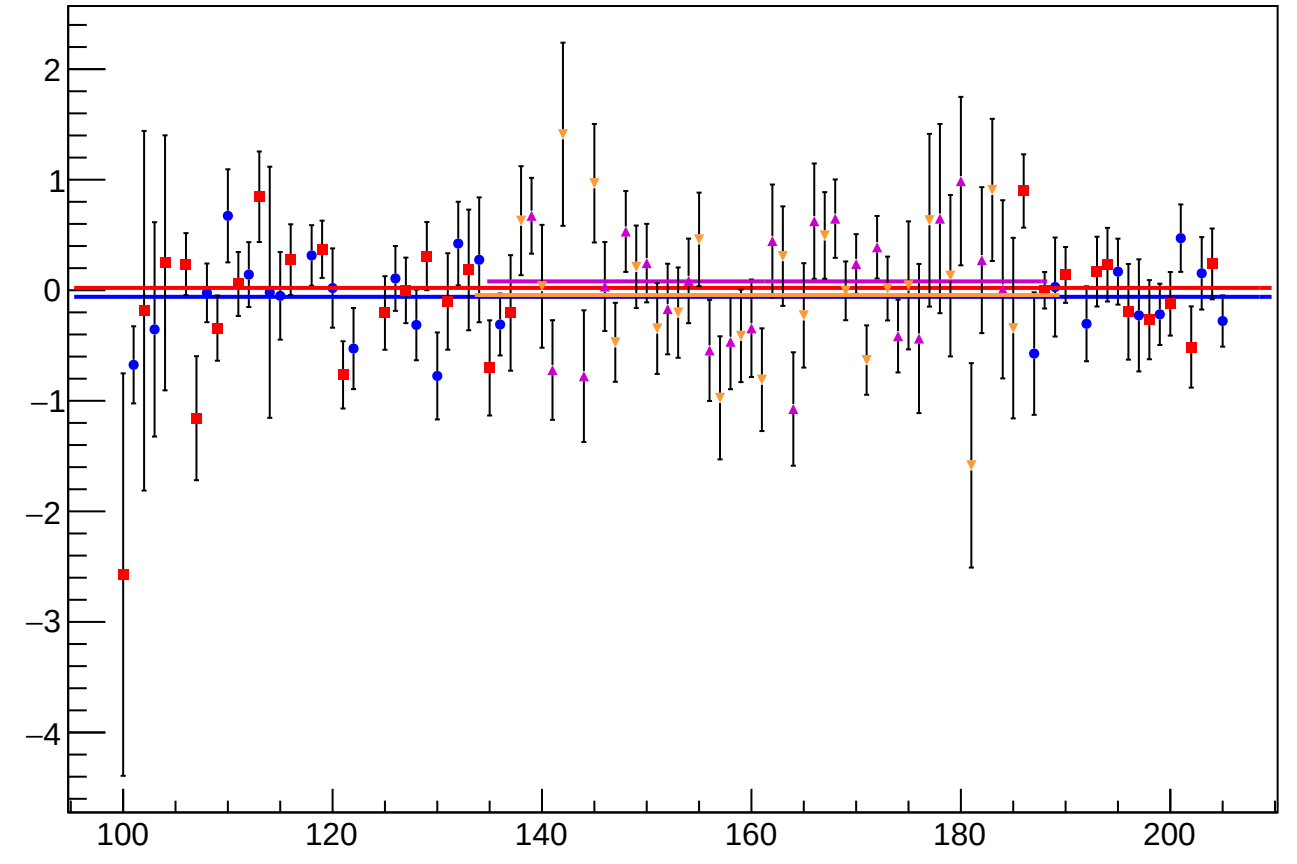
Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 286.671+/-0.039 χ^2/NDF: 7041306.6/48

All: 275.092+/-0.026 χ^2/NDF: 15969558.5/99

- sign 265.034+/-0.036 χ^2/NDF: 8761268.3/50



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

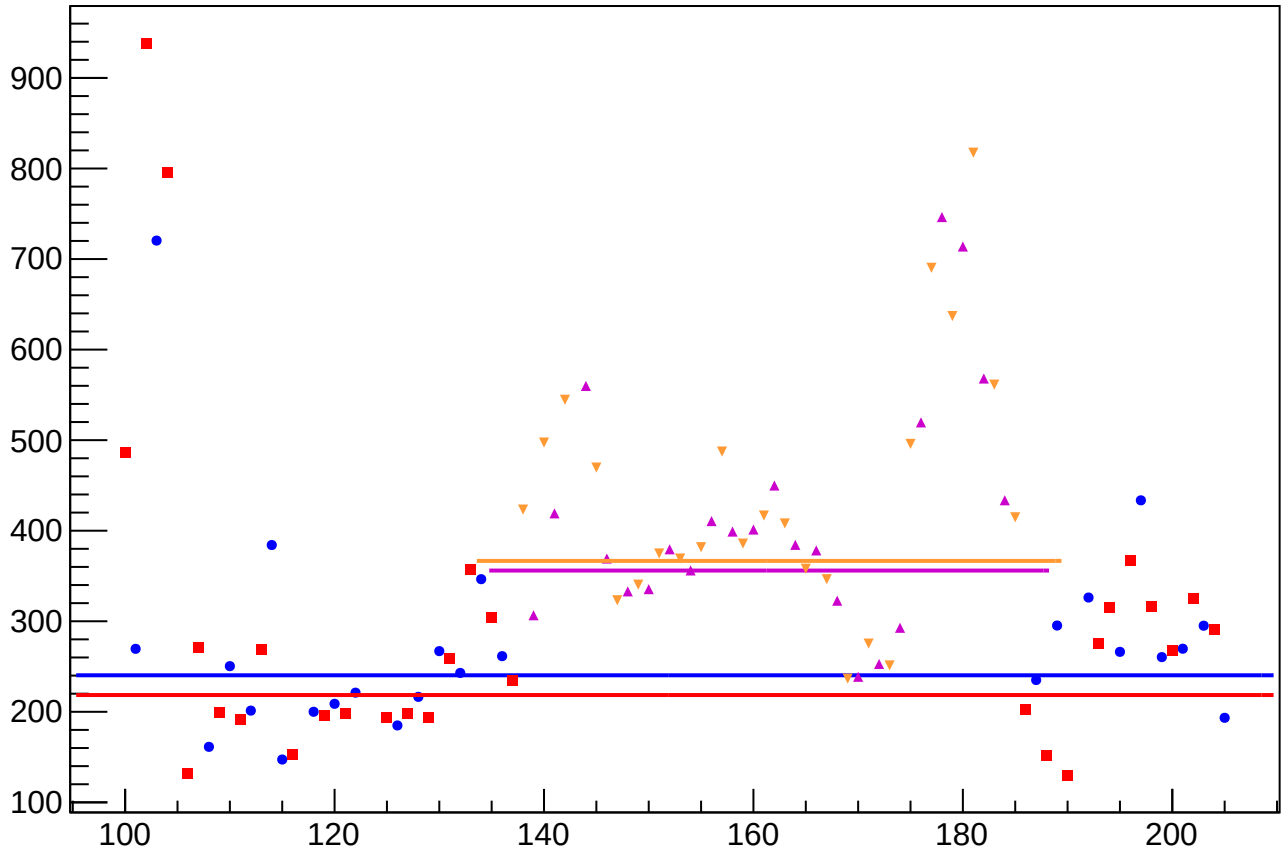
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.003+/-0.037 χ^2/NDF: 125.2/99

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

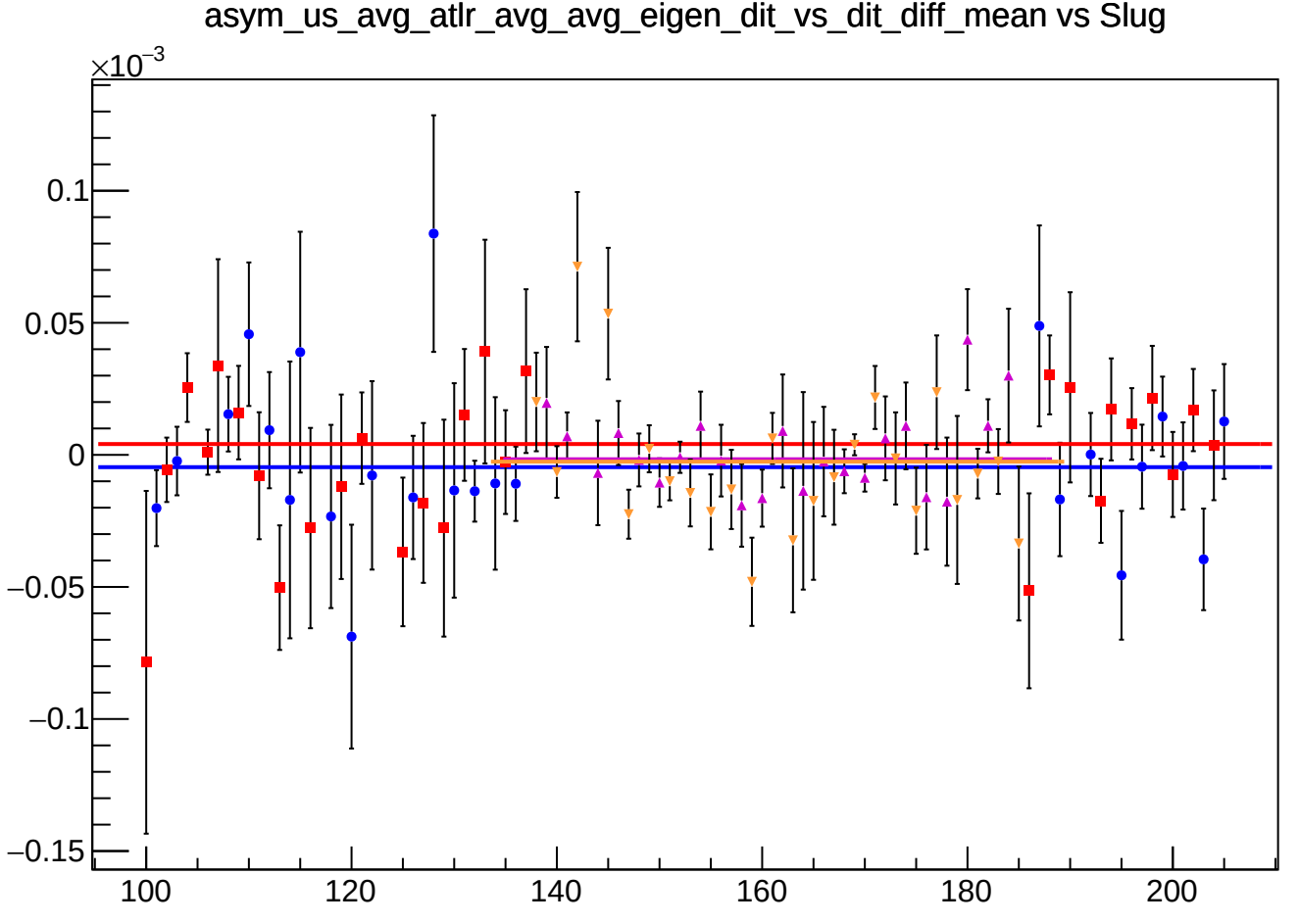
Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 286.671+/-0.039 χ^2/NDF: 7041306.6/48

All: 275.092+/-0.026 χ^2/NDF: 15969558.5/99

- sign 265.034+/-0.036 χ^2/NDF: 8761268.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

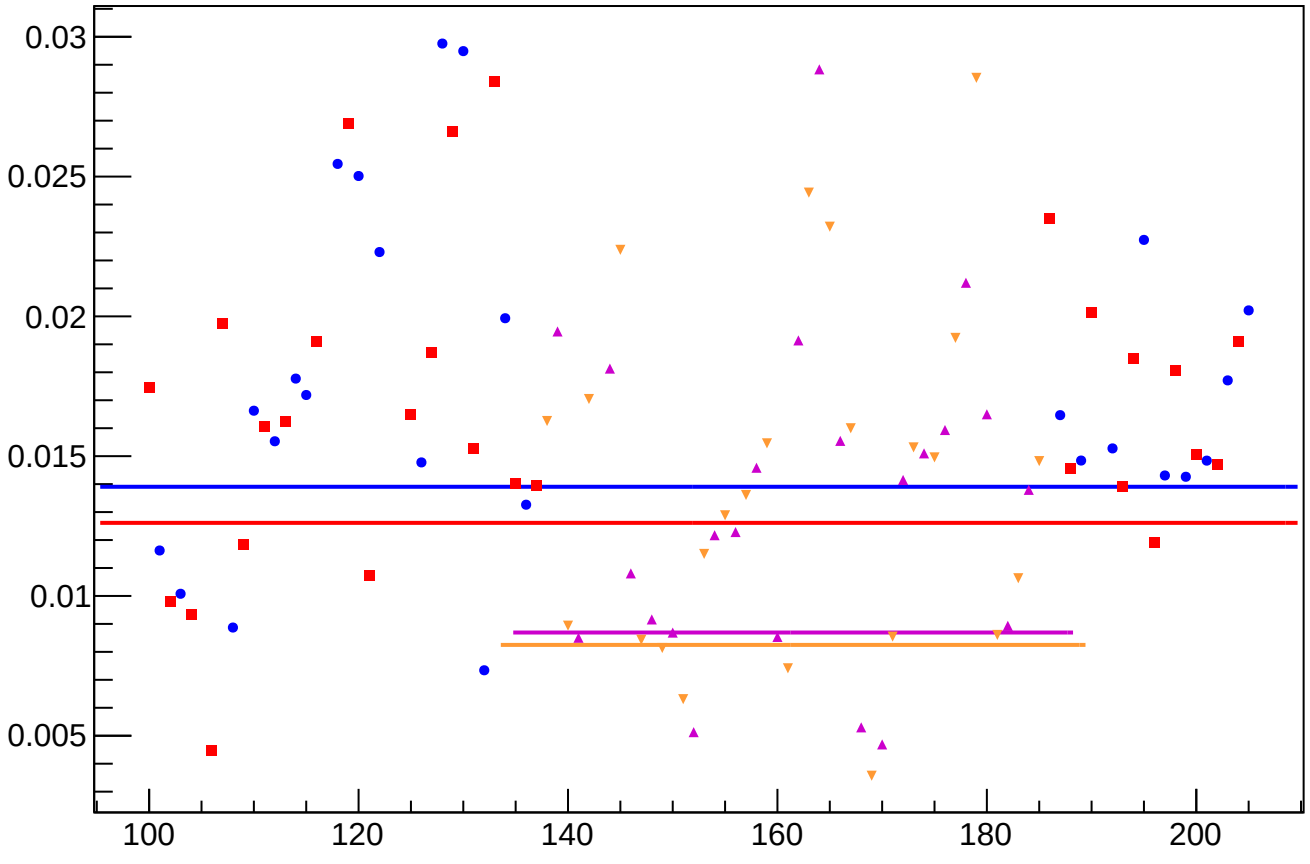
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.1/48

All: -0.000+/-0.000 χ^2/NDF: 121.8/99

- sign 0.000+/-0.000 χ^2/NDF: 50.4/50



Right In: 0.014+/-0.000 χ^2/NDF: 2814949.4/24

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

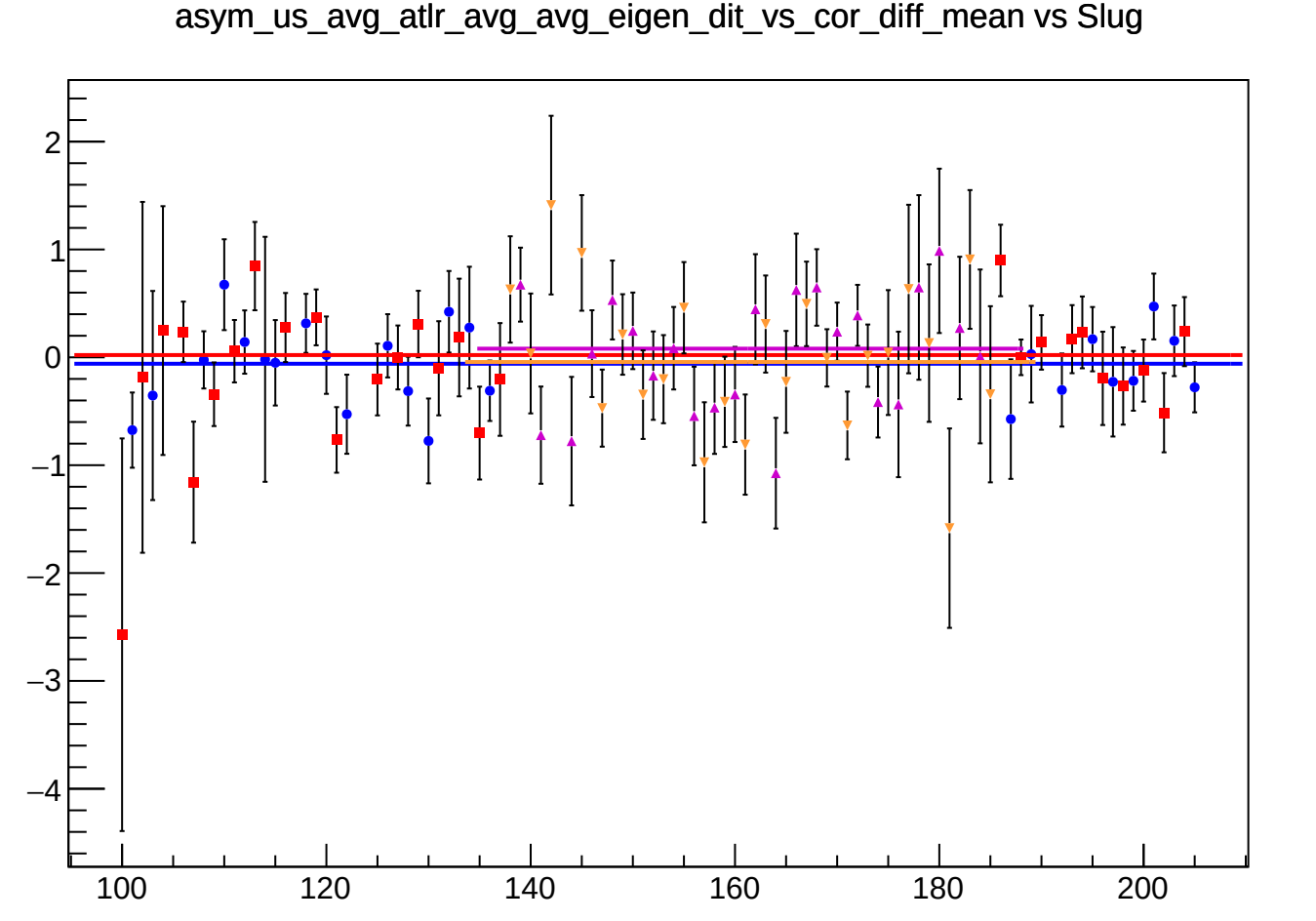
Right Out: 0.013+/-0.000 χ^2/NDF: 4231214.1/27

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 14778509.1/48

All: 0.010+/-0.000 χ^2/NDF: 27582640.1/99

- sign 0.010+/-0.000 χ^2/NDF: 12790394.5/50



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

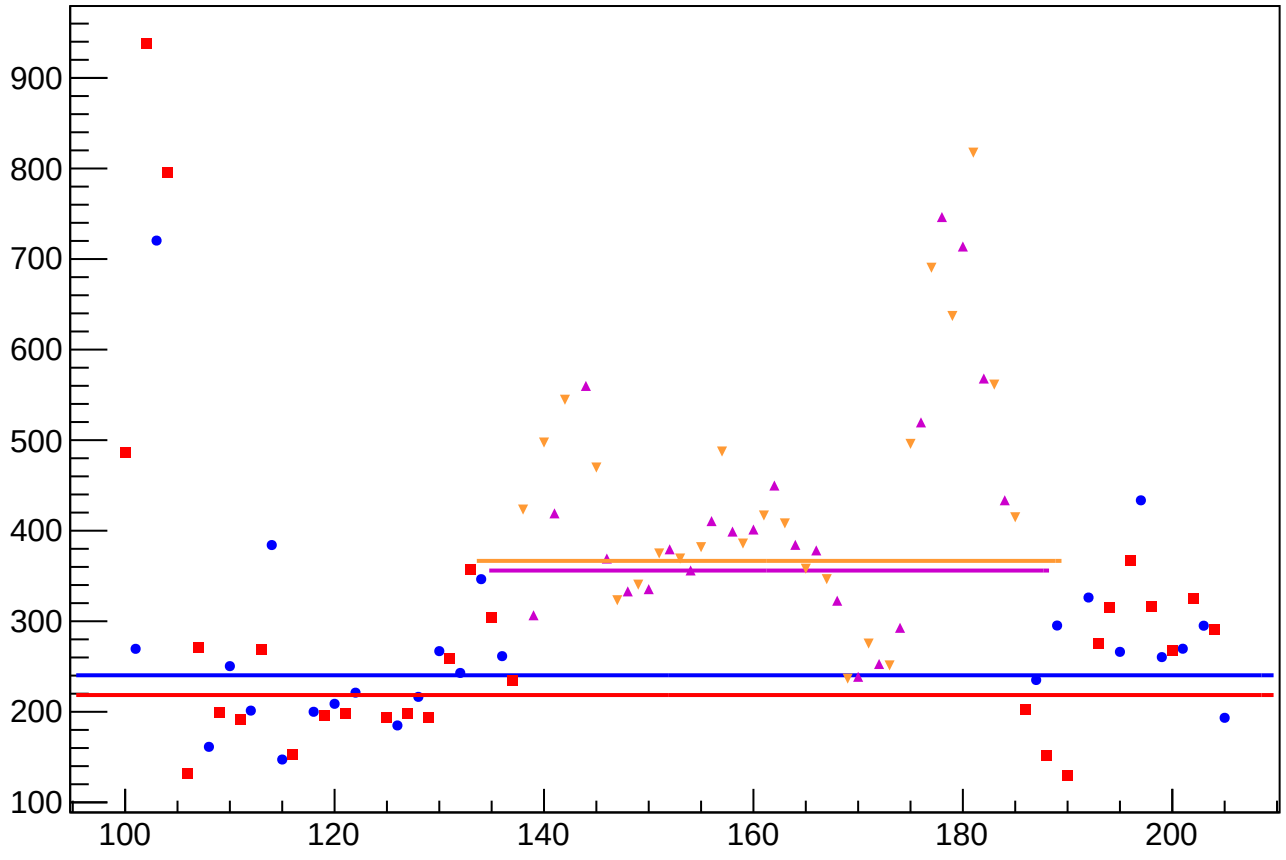
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.003+/-0.037 χ^2/NDF: 125.2/99

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

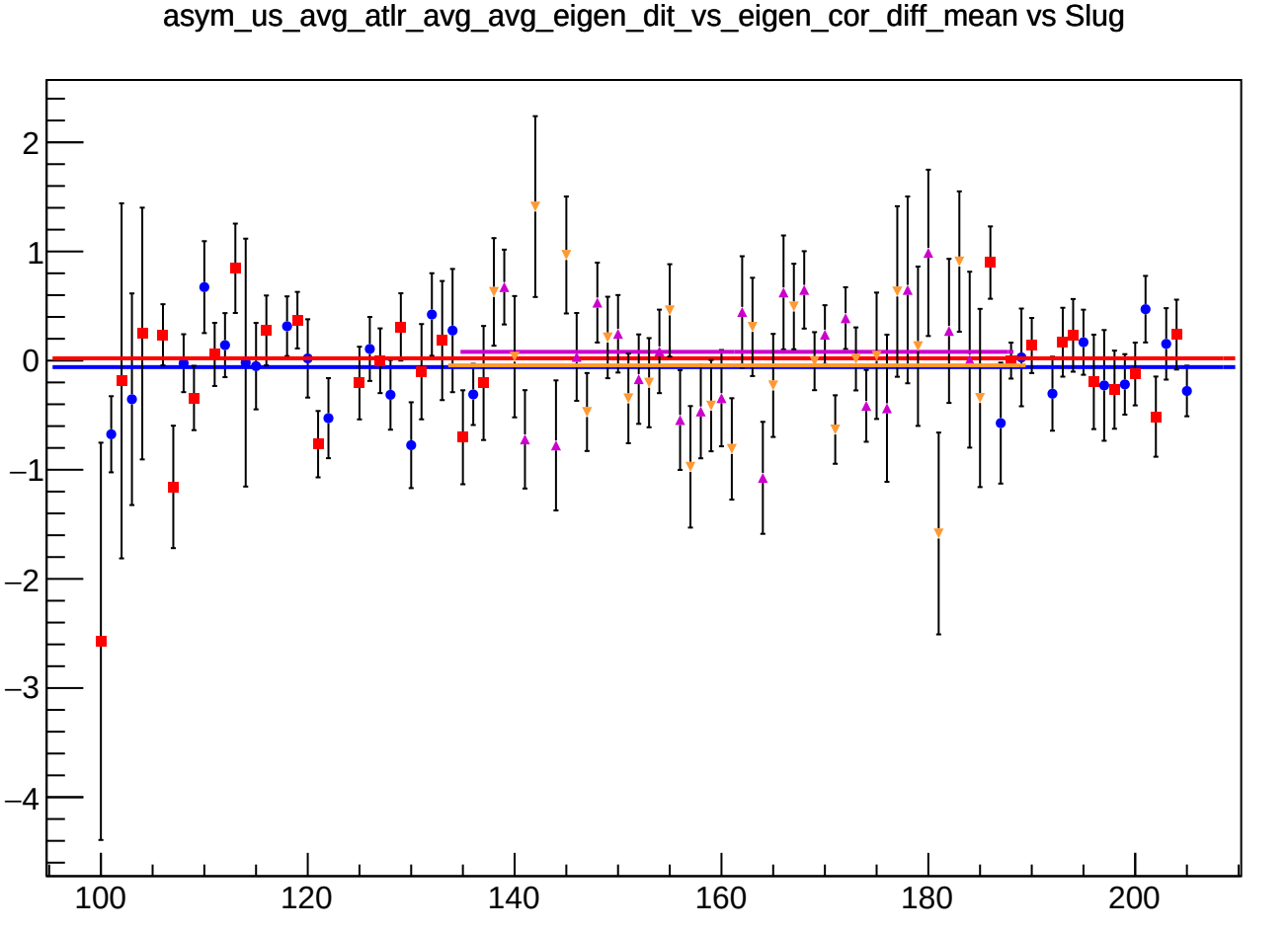
Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 286.670+/-0.039 χ^2/NDF: 7041614.7/48

All: 275.090+/-0.026 χ^2/NDF: 15970329.4/99

- sign 265.031+/-0.036 χ^2/NDF: 8761713.0/50



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

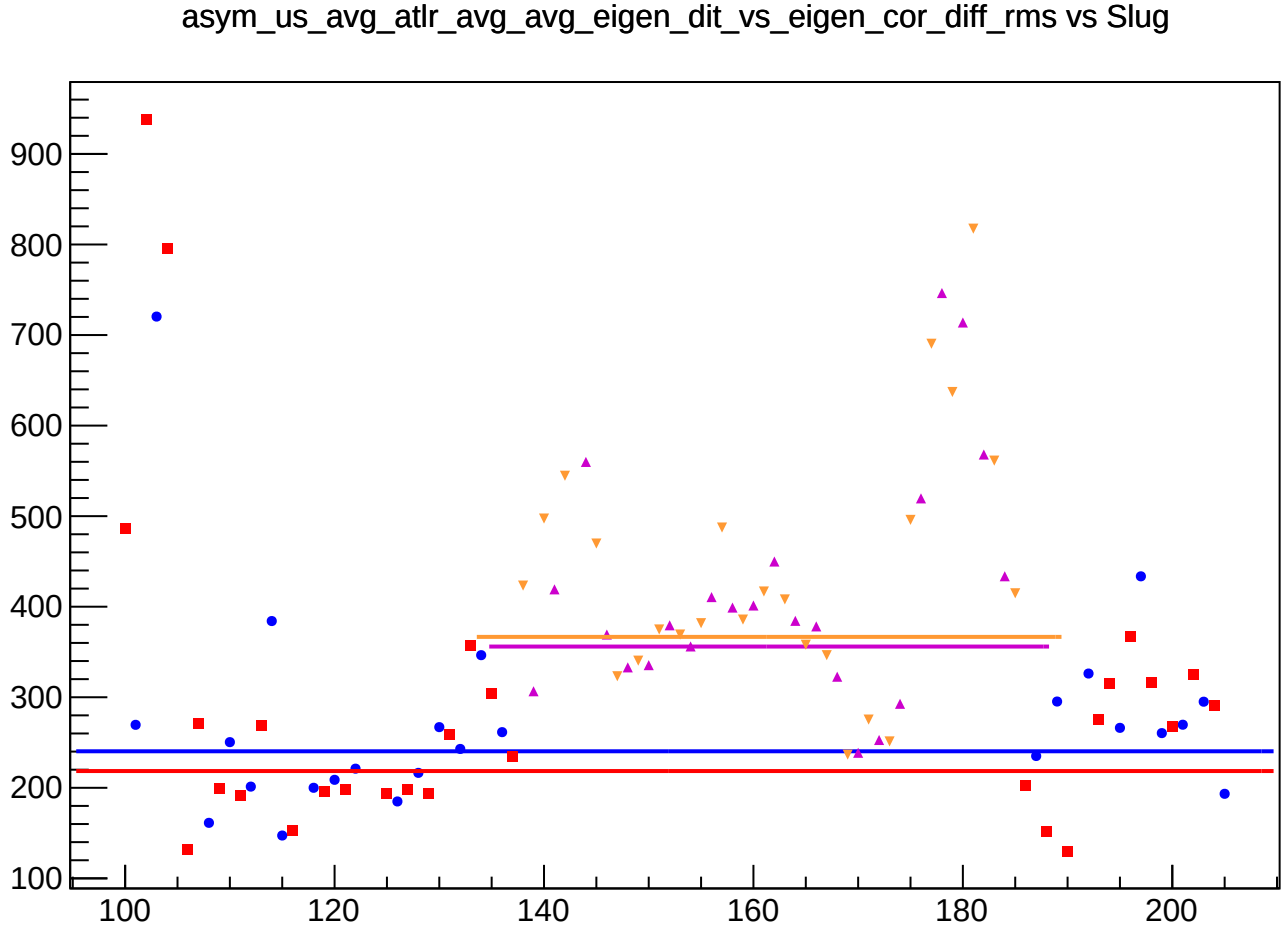
Right Out: 0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.003+/-0.037 χ^2/NDF: 125.2/99

- sign 0.041+/-0.051 χ^2/NDF: 68.5/50



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

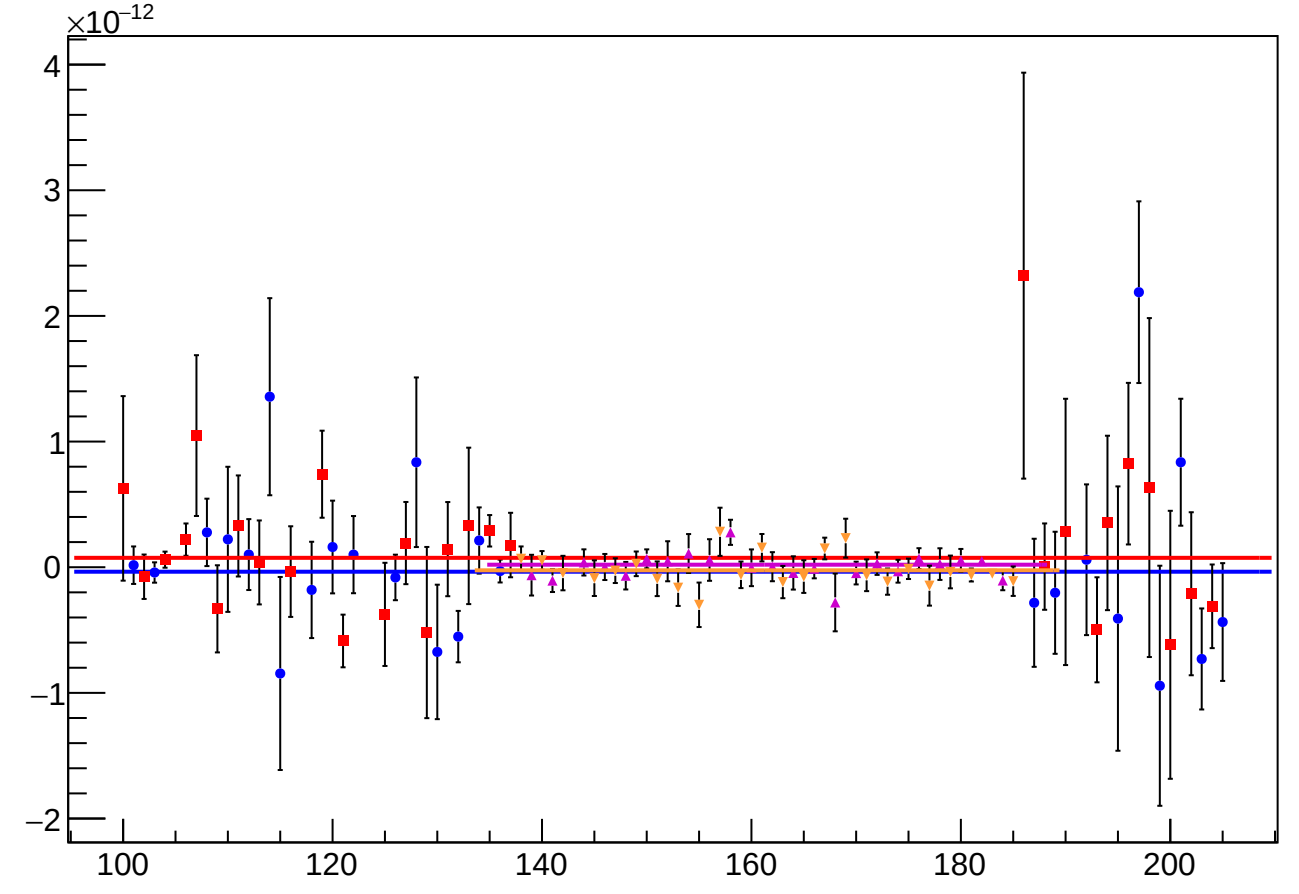
Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 286.670+/-0.039 χ^2/NDF: 7041614.7/48

All: 275.090+/-0.026 χ^2/NDF: 15970329.4/99

- sign 265.031+/-0.036 χ^2/NDF: 8761713.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

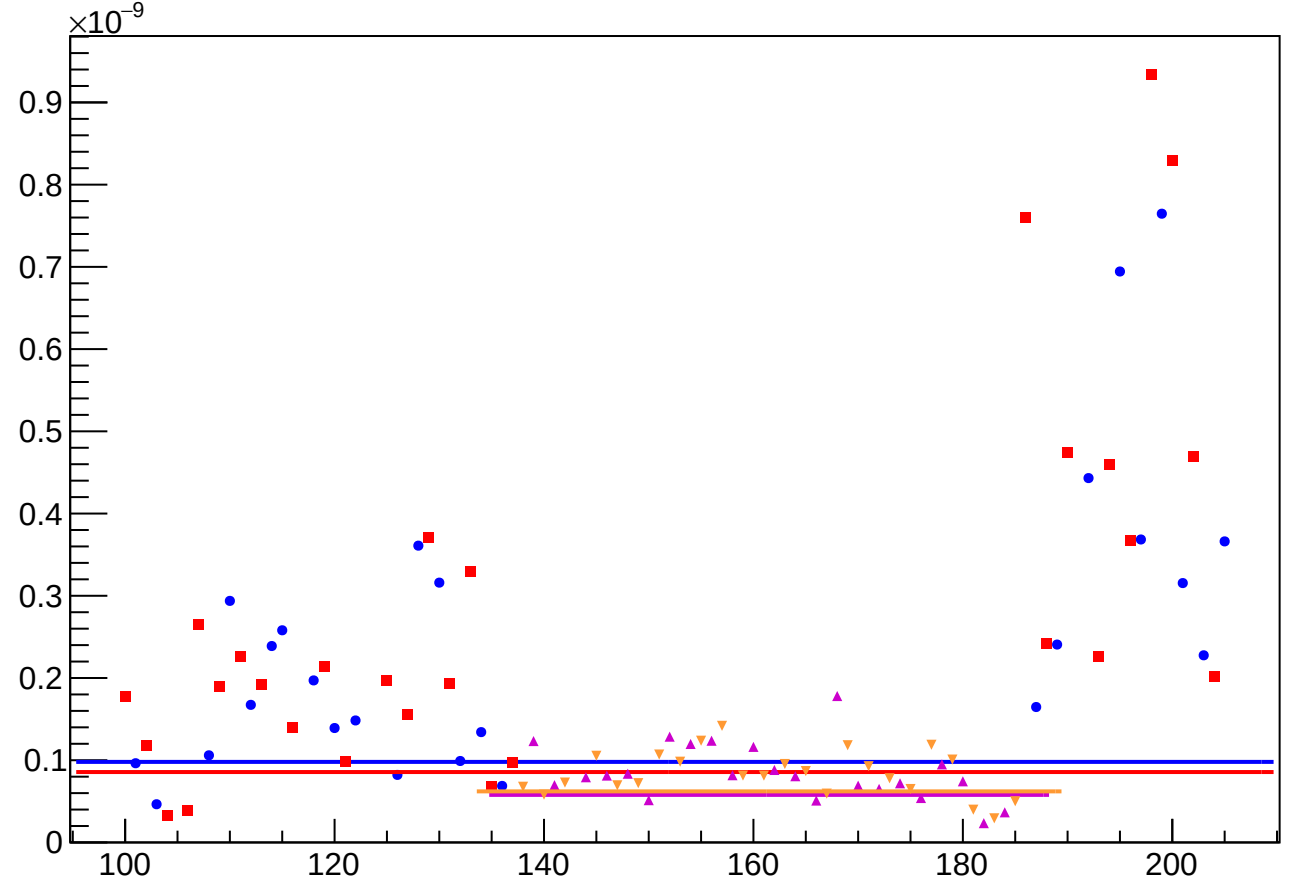
Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/27

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.7/48

All: 0.000+/-0.000 χ^2/NDF: 113.7/99

- sign 0.000+/-0.000 χ^2/NDF: 52.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 6421882.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8875250.8/27

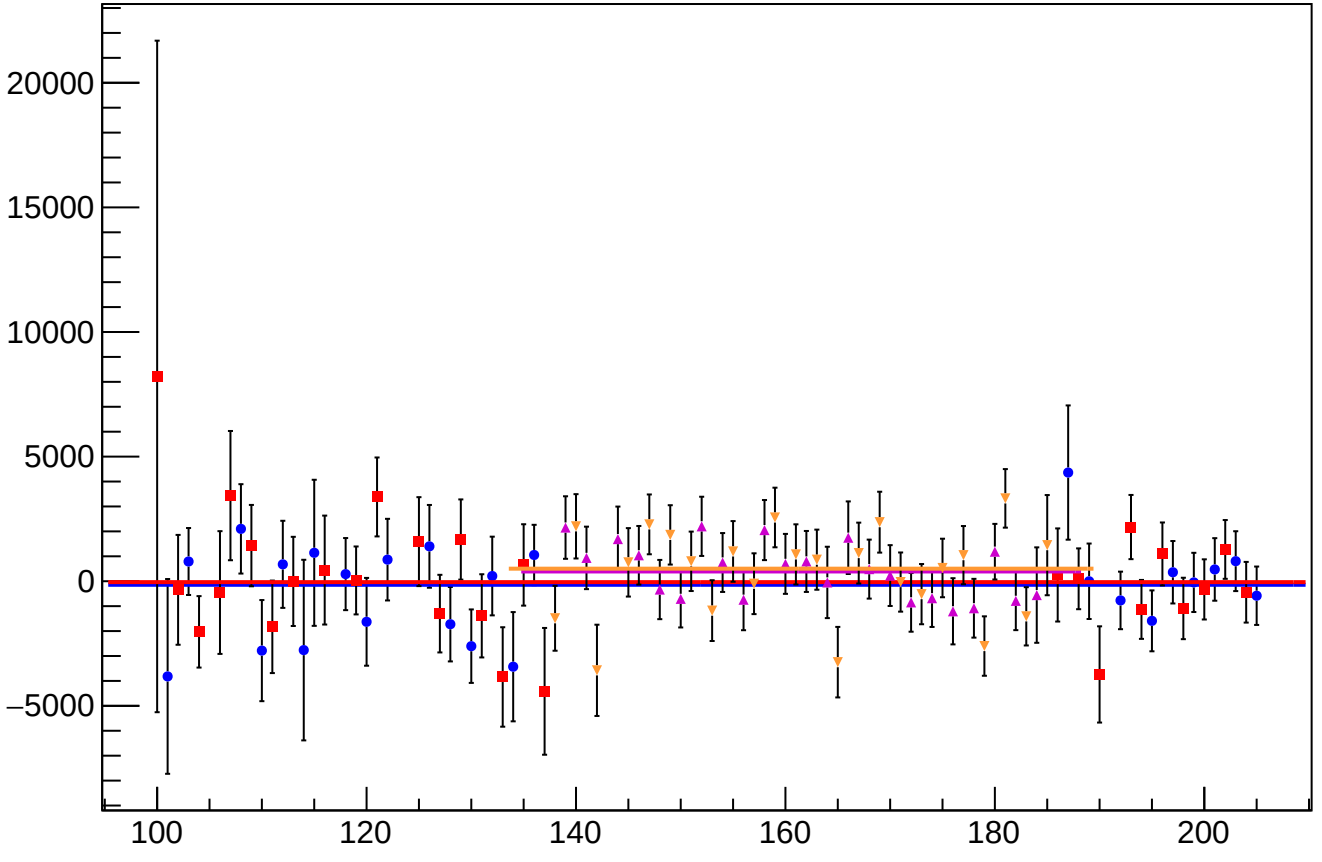
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11570349.0/48

All: 0.000+/-0.000 χ^2/NDF: 26760947.9/99

- sign 0.000+/-0.000 χ^2/NDF: 15094976.7/50

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -142.593+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -36.330+/-297.488 χ^2/NDF: 31.1/27

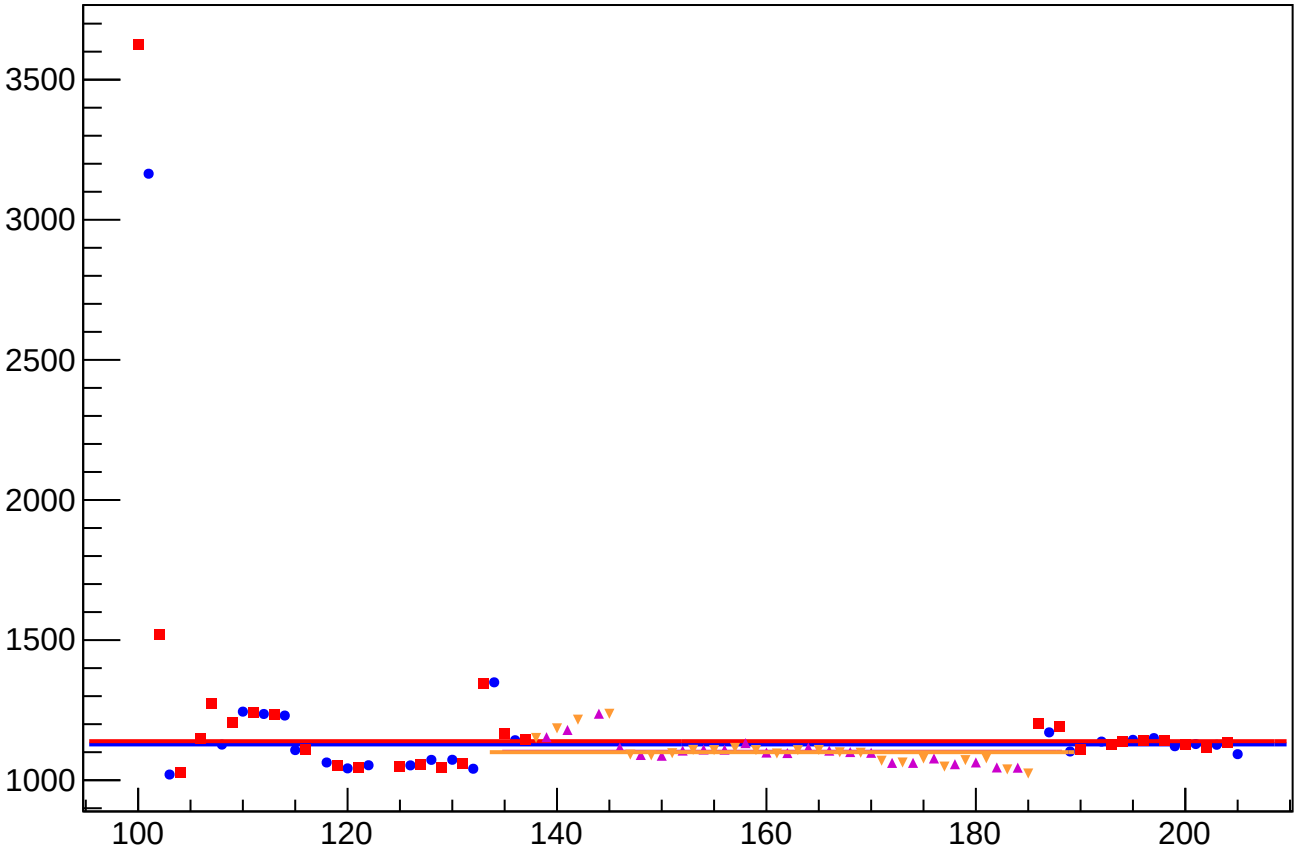
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 235.966+/-195.581 χ^2/NDF: 67.7/48

All: 222.147+/-137.965 χ^2/NDF: 117.8/99

- sign 208.460+/-194.645 χ^2/NDF: 50.1/50

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.682+/-0.215 χ^2/NDF: 625438.8/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

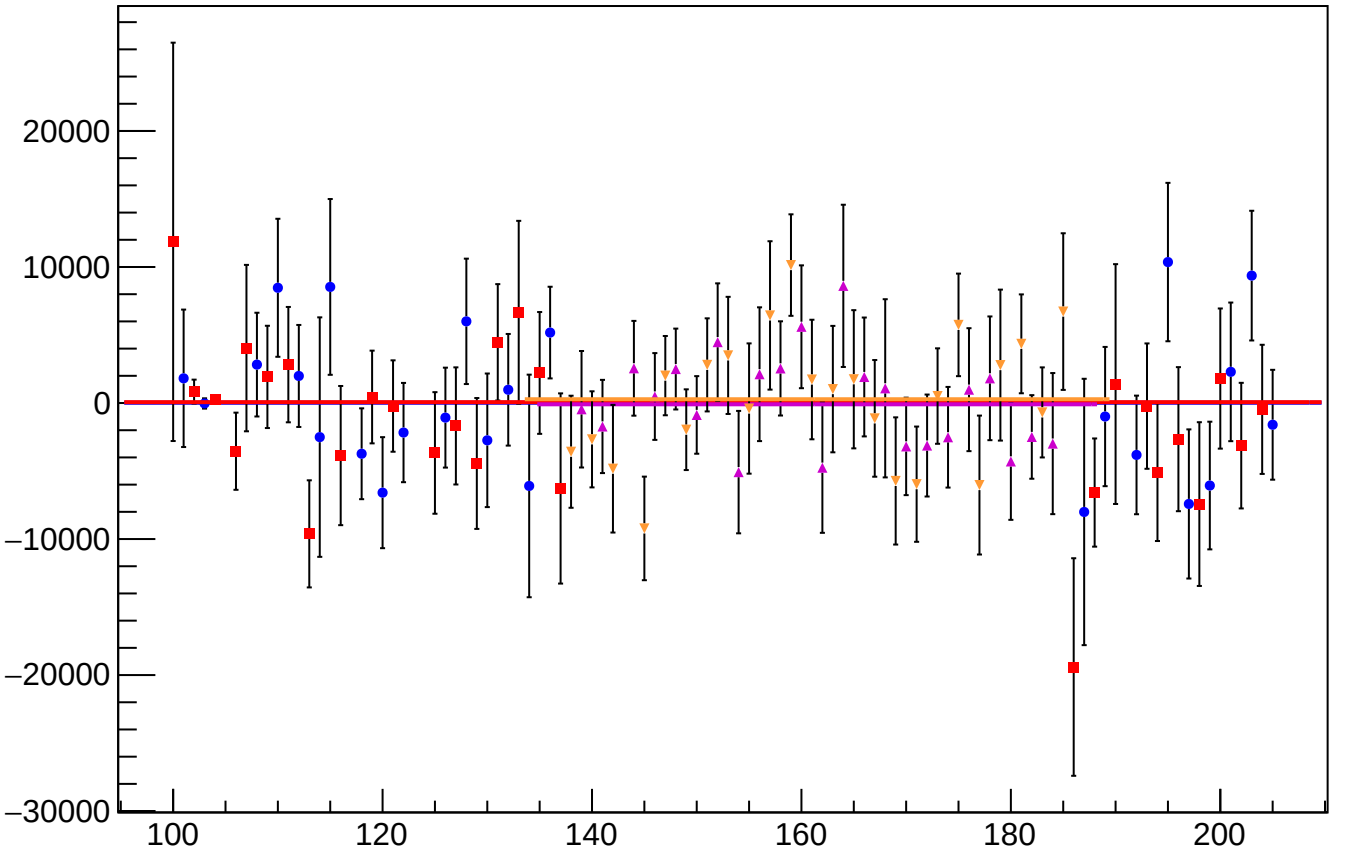
Right Out: 1139.279+/-0.210 χ^2/NDF: 227862.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.502+/-0.138 χ^2/NDF: 693849.4/48

All: 1114.620+/-0.098 χ^2/NDF: 993305.0/99

- sign 1117.706+/-0.138 χ^2/NDF: 298444.1/50



Right In: 19.928+/-349.836 χ^2/NDF: 27.2/24

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

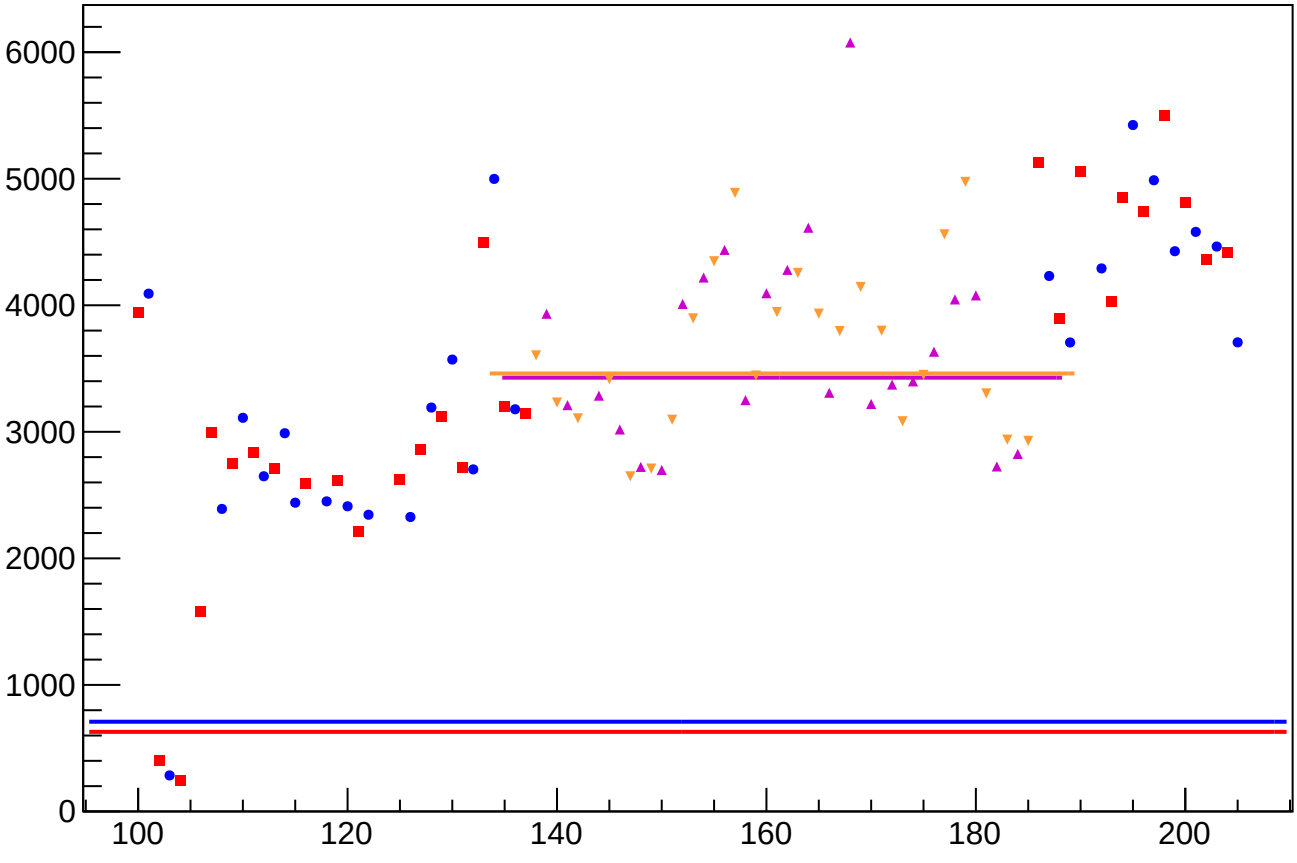
Right Out: 62.929+/-316.511 χ^2/NDF: 28.0/27

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 59.550+/-321.806 χ^2/NDF: 57.2/48

All: 50.216+/-217.516 χ^2/NDF: 98.9/99

- sign 42.364+/-295.148 χ^2/NDF: 41.7/50



Right In: 709.082+/-0.247 χ^2/NDF: 19684237.2/24

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 629.063+/-0.224 χ^2/NDF: 20993889.0/27

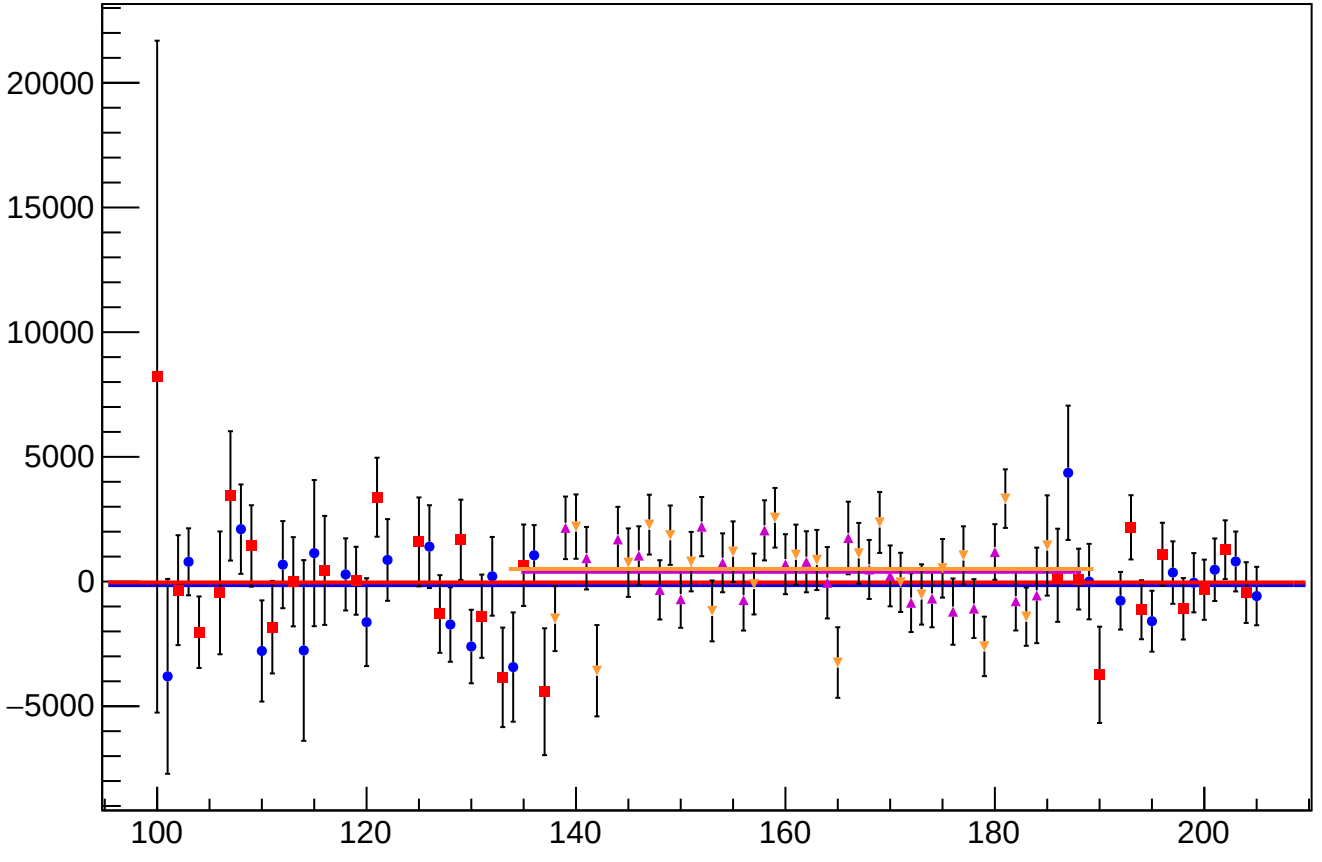
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1132.439+/-0.228 χ^2/NDF: 39783672.1/48

All: 1057.317+/-0.154 χ^2/NDF: 82619625.6/9

- sign 994.127+/-0.209 χ^2/NDF: 42635292.5/50

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -36.383+/-297.488 χ^2/NDF: 31.1/27

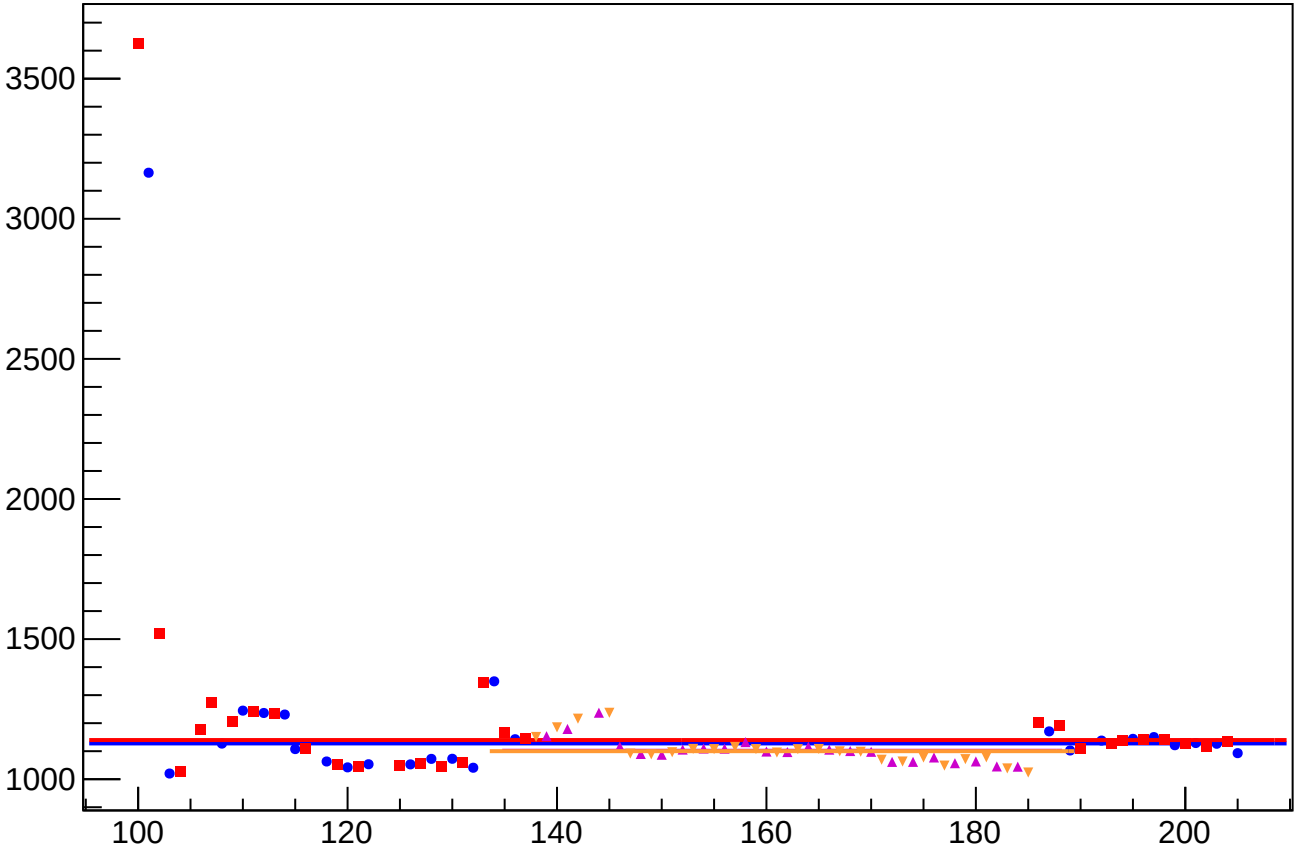
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 236.033+/-195.581 χ^2/NDF: 67.7/48

All: 222.165+/-137.965 χ^2/NDF: 117.8/99

- sign 208.430+/-194.645 χ^2/NDF: 50.1/50

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

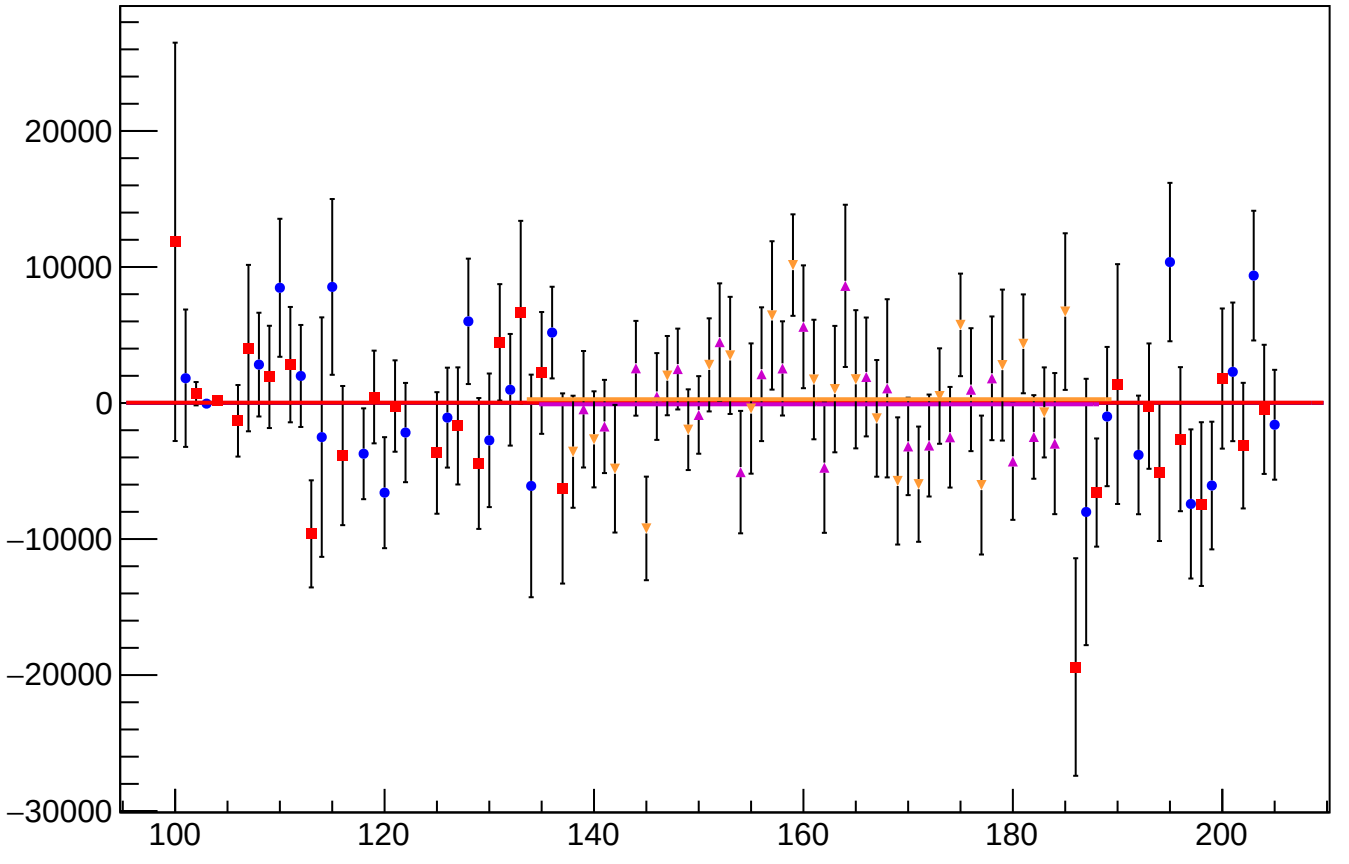
Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.502+/-0.138 χ^2/NDF: 693850.4/48

All: 1114.713+/-0.098 χ^2/NDF: 994303.4/99

- sign 1117.892+/-0.138 χ^2/NDF: 299380.2/50



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

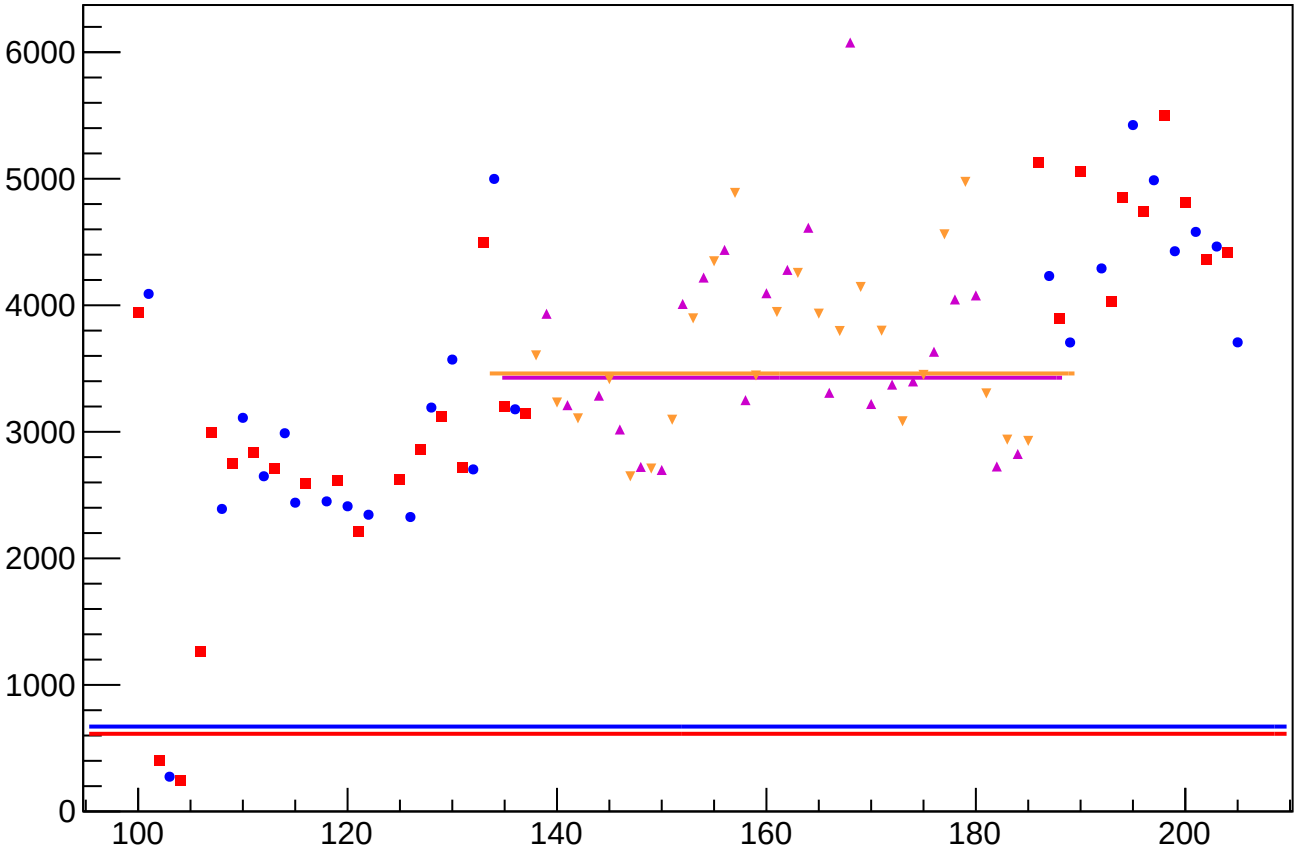
Right Out: 23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 44.625+/-312.144 χ^2/NDF: 57.2/48

All: 25.260+/-212.915 χ^2/NDF: 97.1/99

- sign 8.411+/-291.165 χ^2/NDF: 39.9/50



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

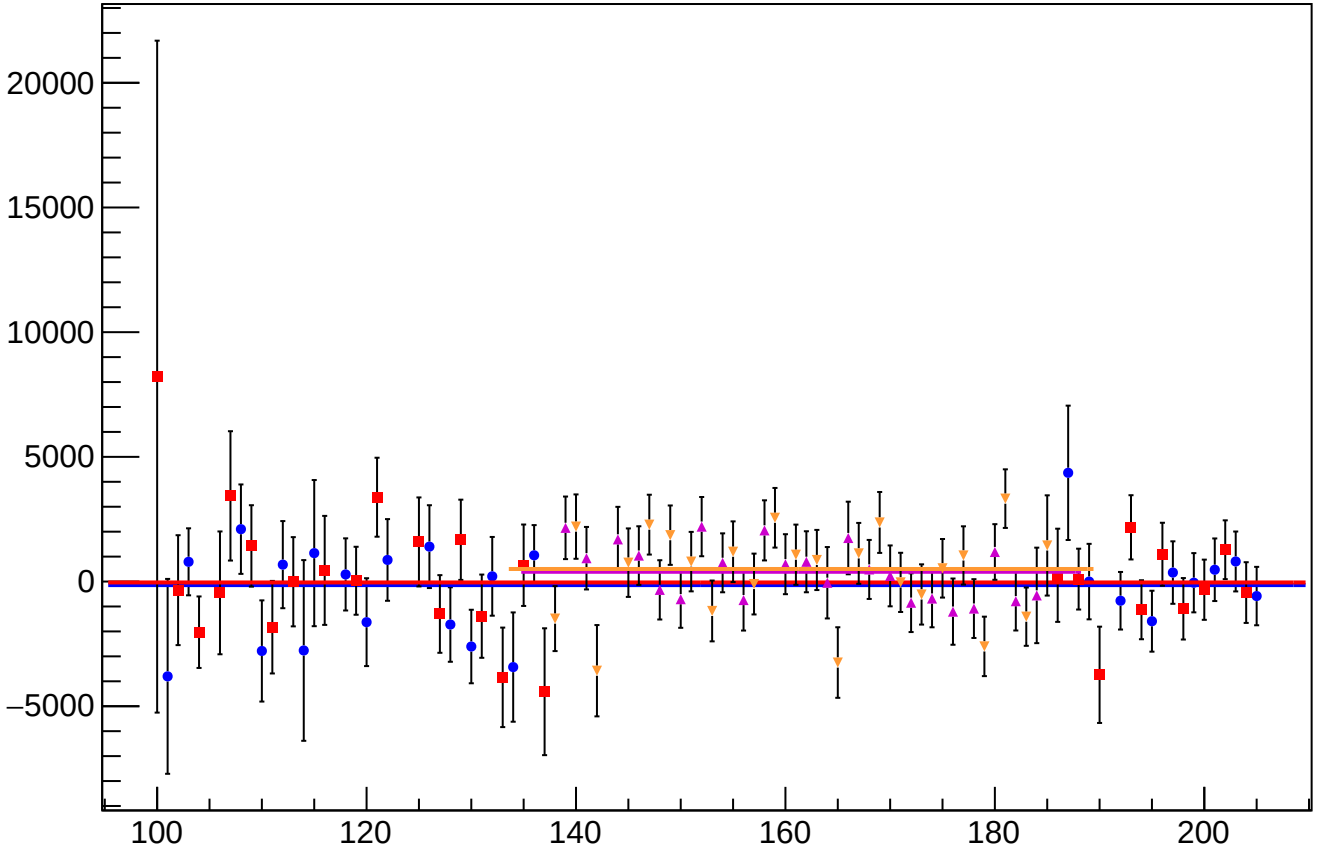
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1074.638+/-0.221 χ^2/NDF: 40855656.0/48

All: 1019.168+/-0.151 χ^2/NDF: 83918569.5/9

- sign 970.904+/-0.206 χ^2/NDF: 42944799.8/50

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -36.383+/-297.488 χ^2/NDF: 31.1/27

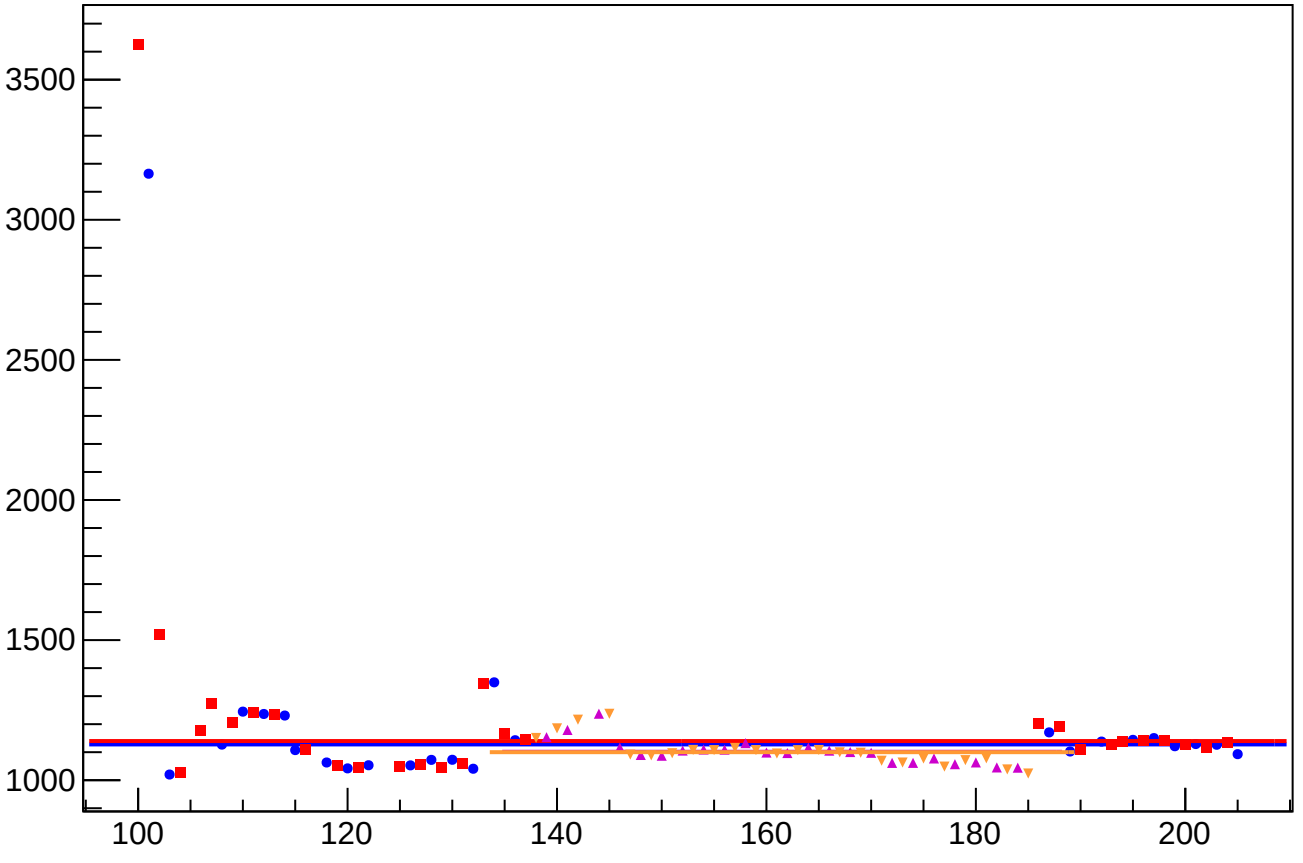
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 236.033+/-195.581 χ^2/NDF: 67.7/48

All: 222.165+/-137.965 χ^2/NDF: 117.8/99

- sign 208.430+/-194.645 χ^2/NDF: 50.1/50

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

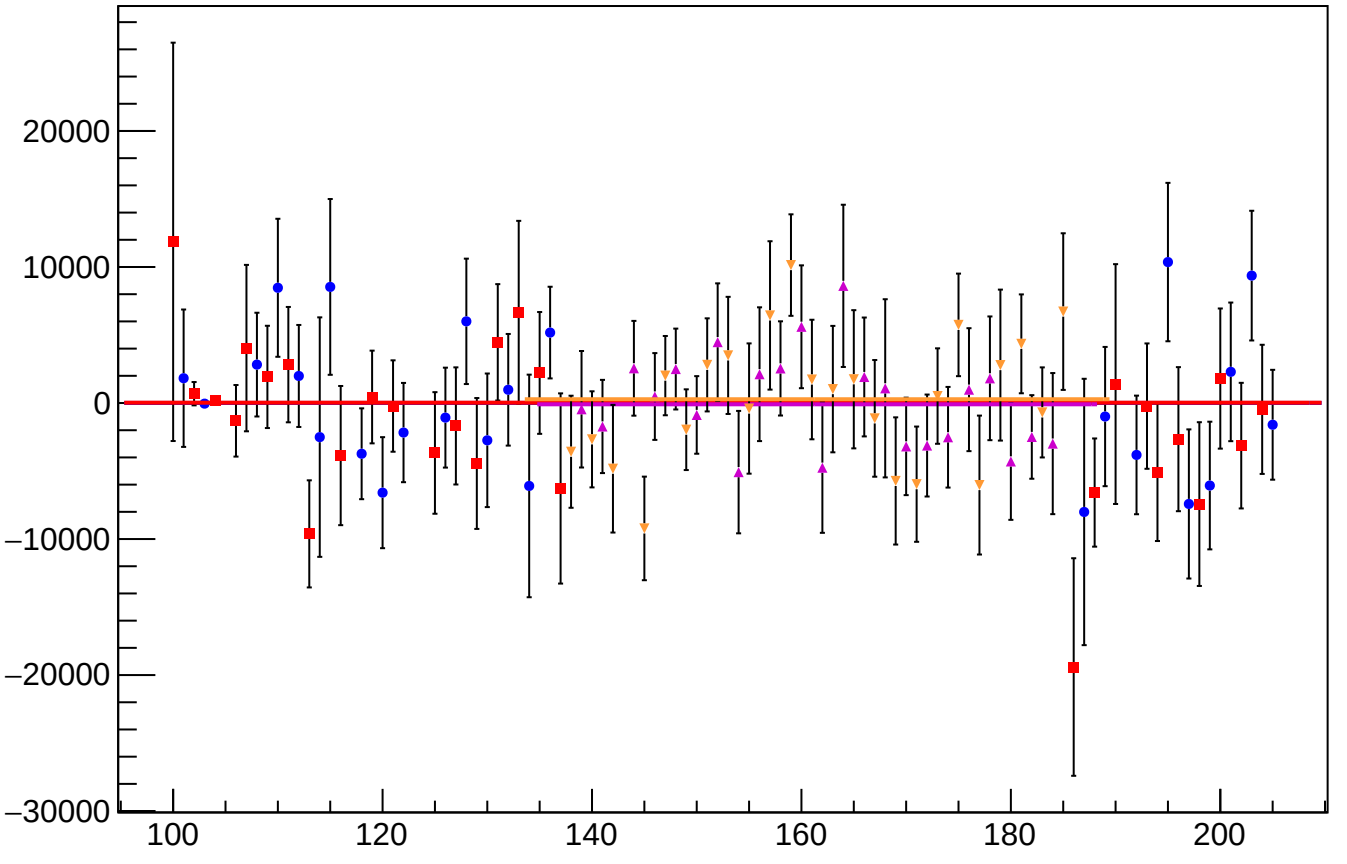
Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.502+/-0.138 χ^2/NDF: 693850.4/48

All: 1114.713+/-0.098 χ^2/NDF: 994303.4/99

- sign 1117.892+/-0.138 χ^2/NDF: 299380.2/50



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

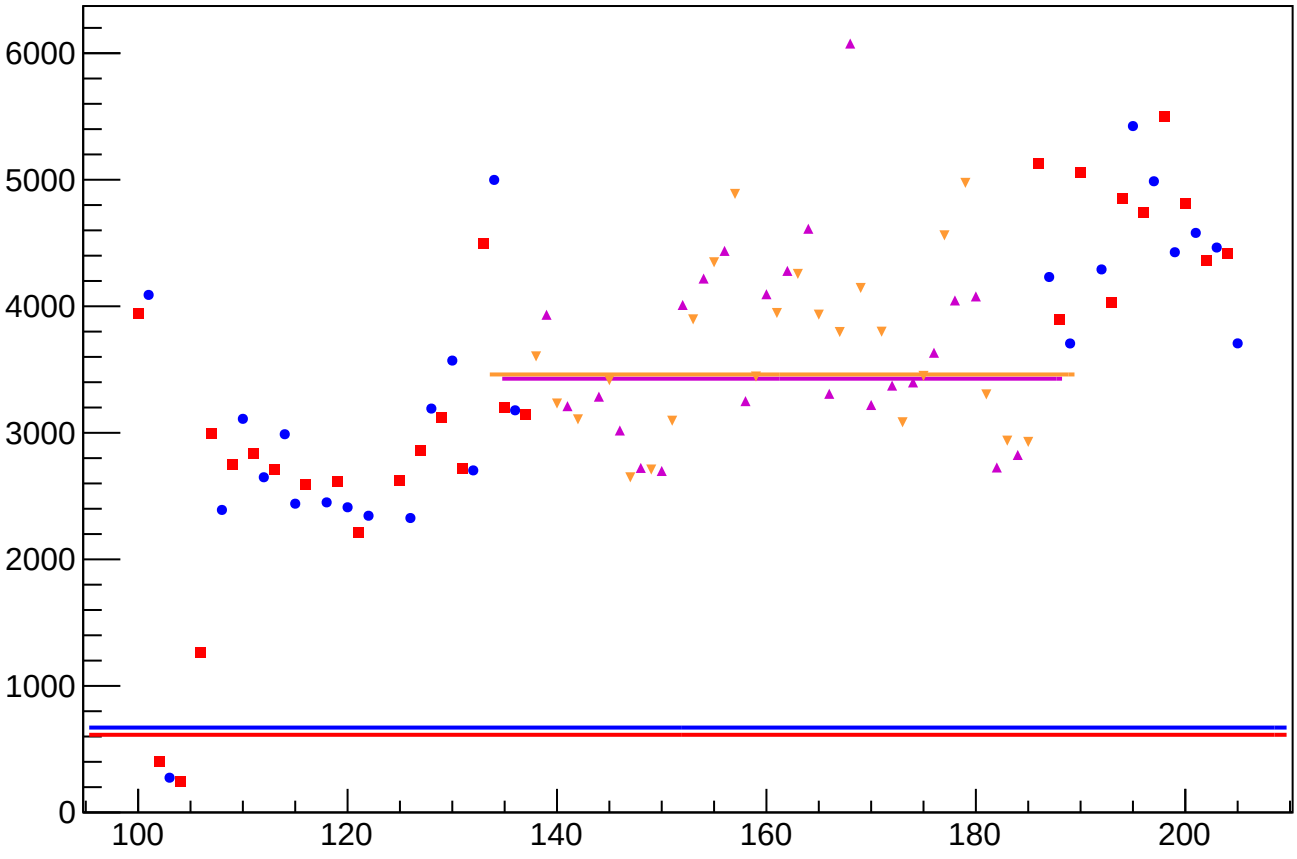
Right Out: 23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 44.625+/-312.144 χ^2/NDF: 57.2/48

All: 25.260+/-212.915 χ^2/NDF: 97.1/99

- sign 8.411+/-291.165 χ^2/NDF: 39.9/50



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

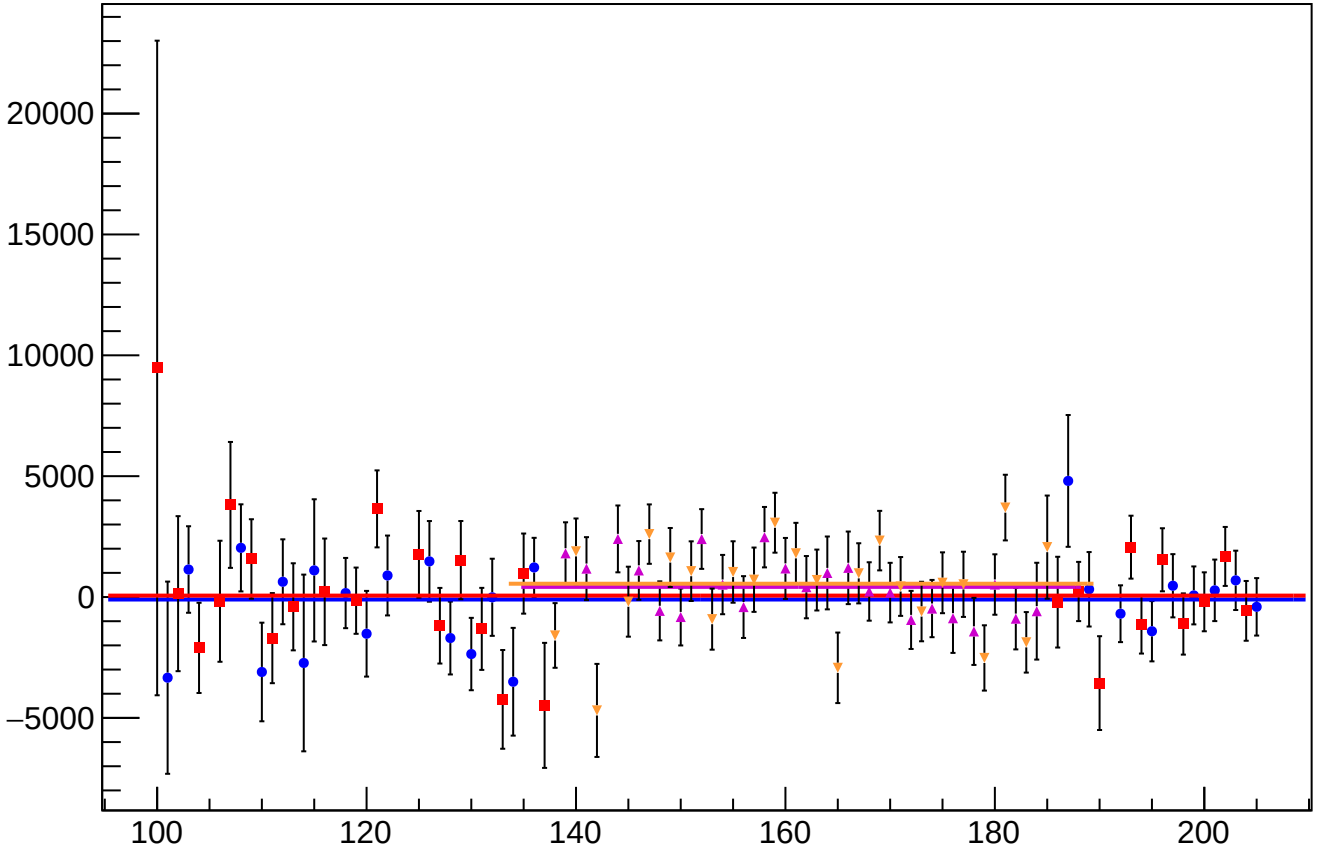
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1074.638+/-0.221 χ^2/NDF: 40855656.0/48

All: 1019.168+/-0.151 χ^2/NDF: 83918569.5/9

- sign 970.904+/-0.206 χ^2/NDF: 42944799.8/50

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -102.415+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 59.048+/-305.561 χ^2/NDF: 32.8/27

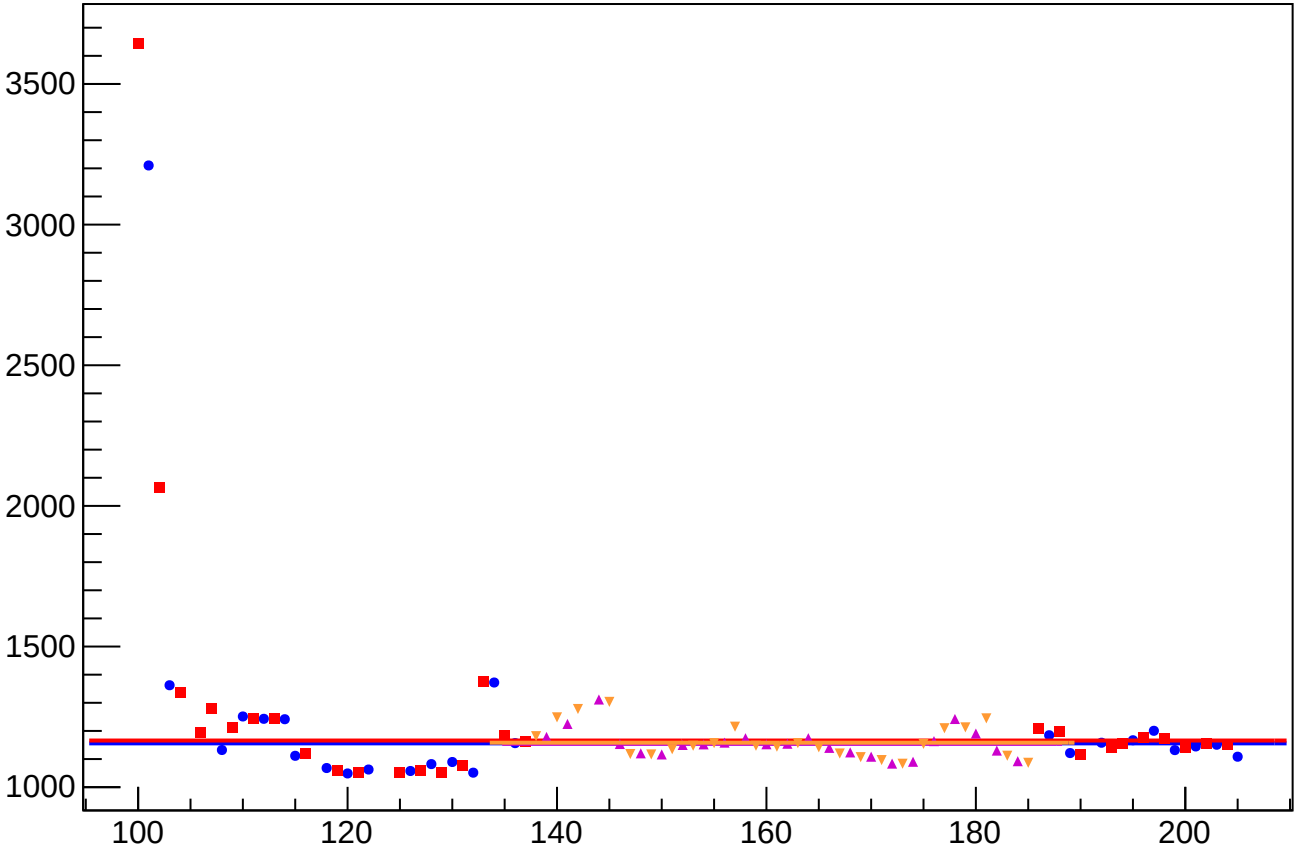
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 271.571+/-203.719 χ^2/NDF: 67.6/48

All: 266.971+/-143.529 χ^2/NDF: 119.1/99

- sign 262.437+/-202.251 χ^2/NDF: 51.5/50

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.2/24

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.5/27

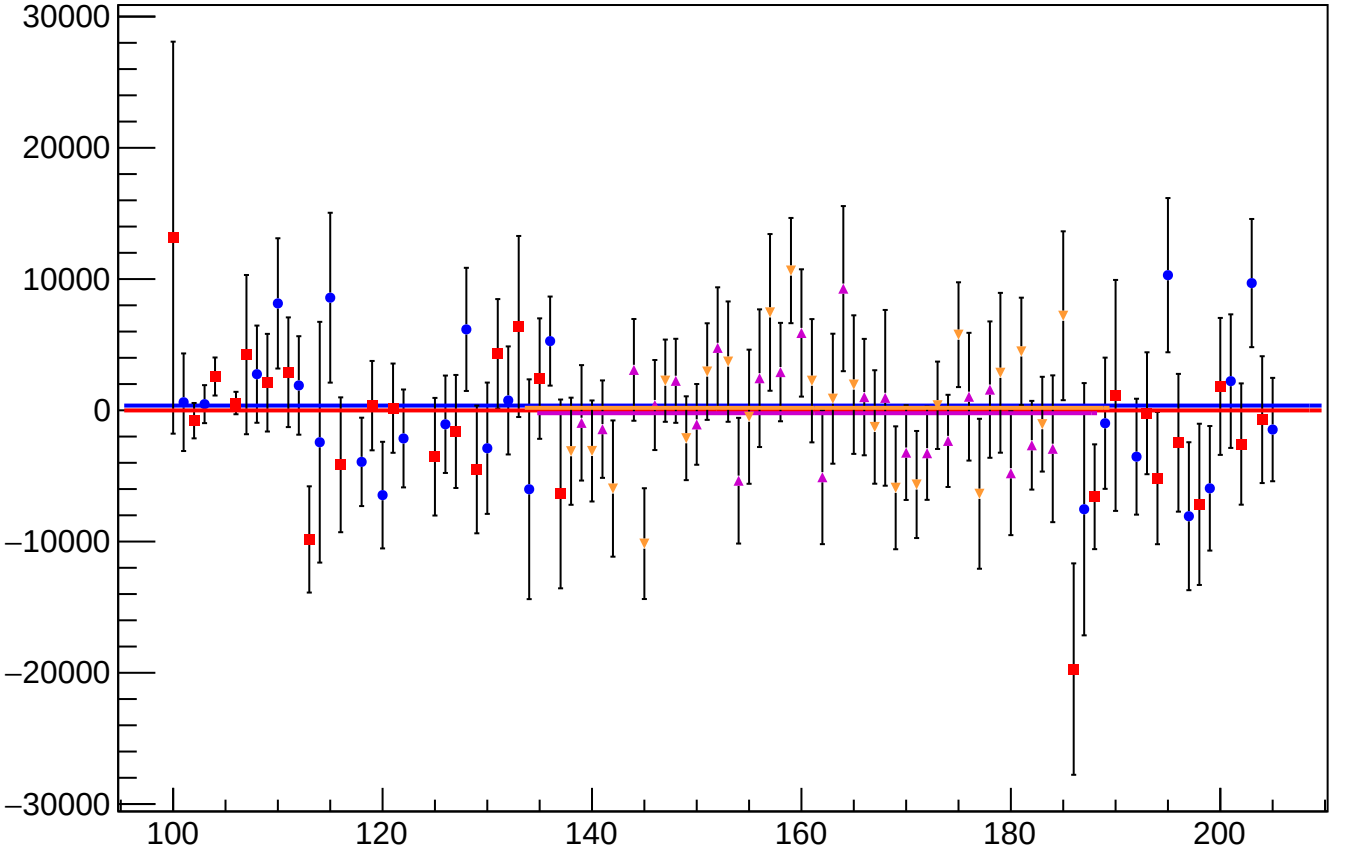
Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1157.159+/-0.144 χ^2/NDF: 727929.9/48

All: 1158.258+/-0.101 χ^2/NDF: 1134318.5/99

- sign 1159.340+/-0.143 χ^2/NDF: 406273.2/50

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 360.741+/-775.987 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

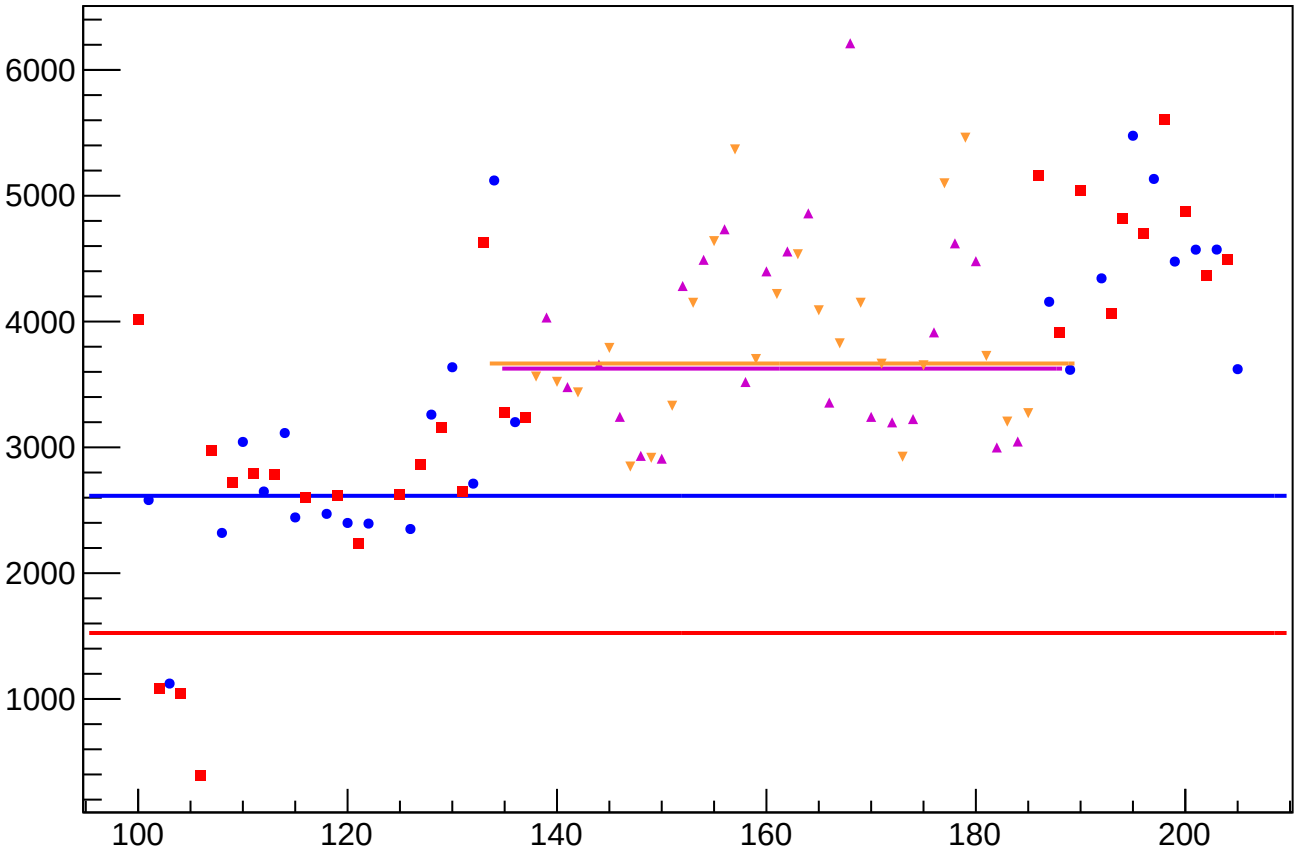
Right Out: -8.426+/-535.367 χ^2/NDF: 29.0/27

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 284.919+/-578.934 χ^2/NDF: 56.1/48

All: 67.183+/-357.833 χ^2/NDF: 98.8/99

- sign -67.424+/-455.197 χ^2/NDF: 42.4/50



Right In: 2614.840+/-0.549 χ^2/NDF: 4916092.1/24

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1524.504+/-0.379 χ^2/NDF: 13443685.1/27

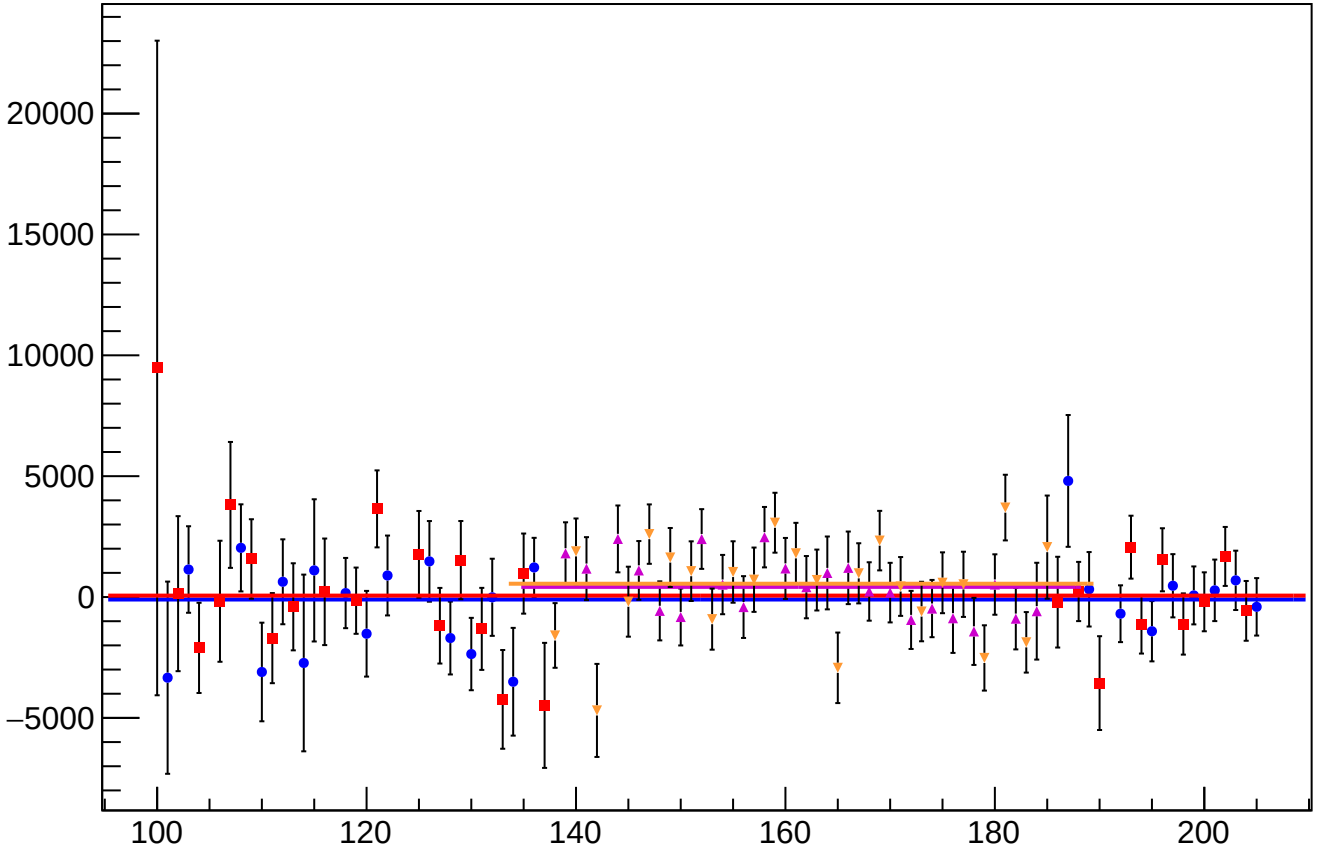
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3081.153+/-0.409 χ^2/NDF: 7640802.0/48

All: 2479.007+/-0.253 χ^2/NDF: 34381477.0/9

- sign 2106.751+/-0.322 χ^2/NDF: 23239522.2/50

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -102.413+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 59.050+/-305.561 χ^2/NDF: 32.8/27

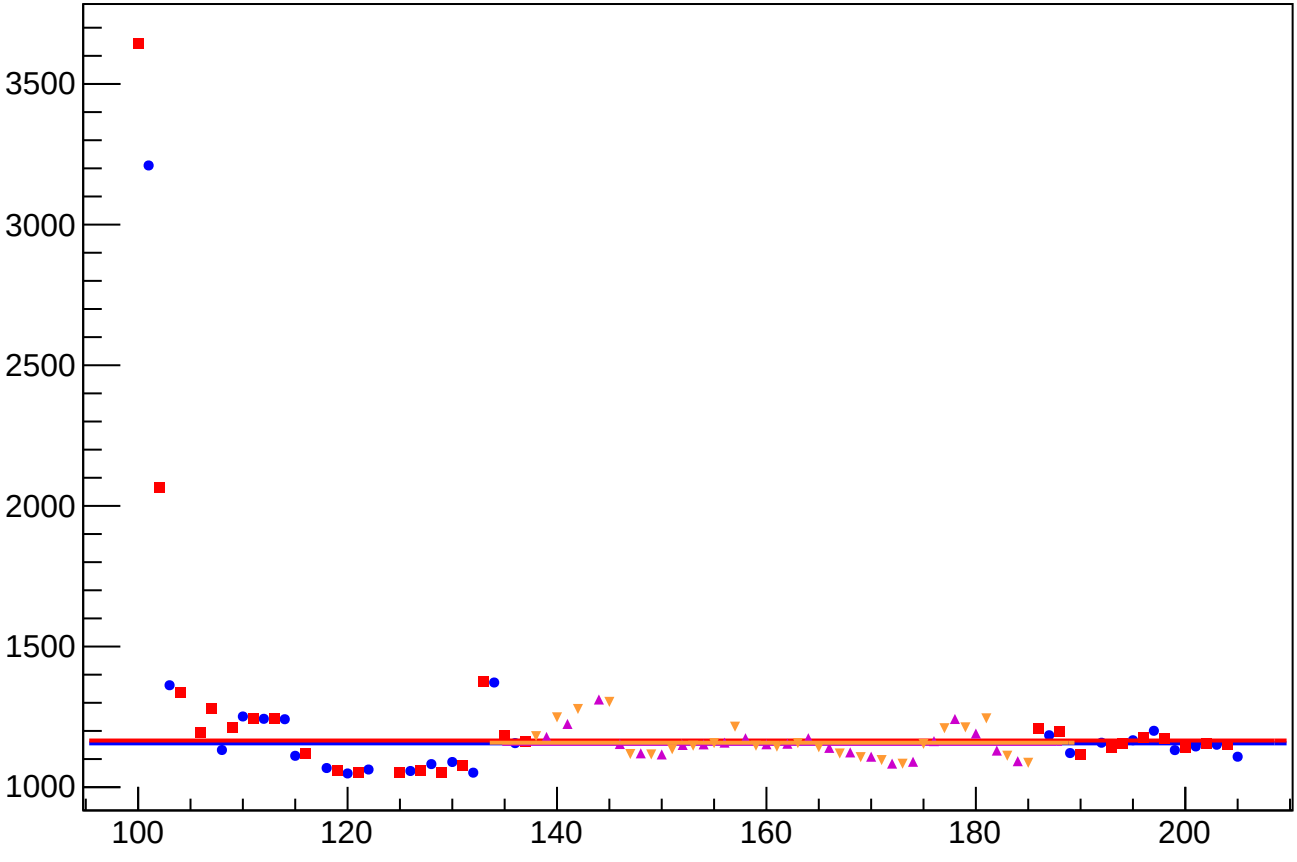
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 271.572+/-203.719 χ^2/NDF: 67.6/48

All: 266.972+/-143.529 χ^2/NDF: 119.1/99

- sign 262.437+/-202.251 χ^2/NDF: 51.5/50

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.6/24

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

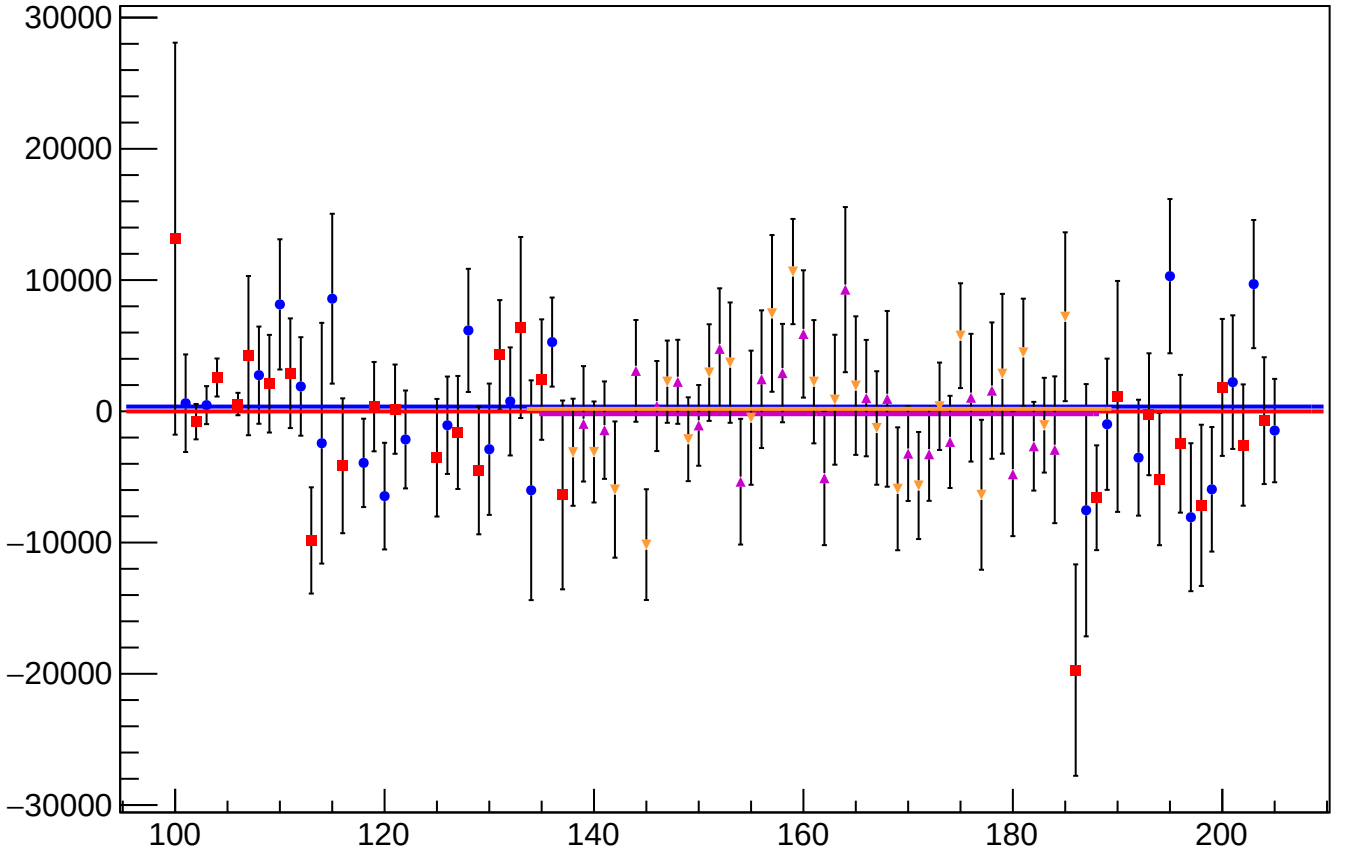
Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.2/27

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

\+ sign 1157.160+/-0.144 χ^2/NDF: 727932.8/48

All: 1158.258+/-0.101 χ^2/NDF: 1134323.3/99

\- sign 1159.341+/-0.143 χ^2/NDF: 406275.0/50



Right In: 360.736+/-775.986 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

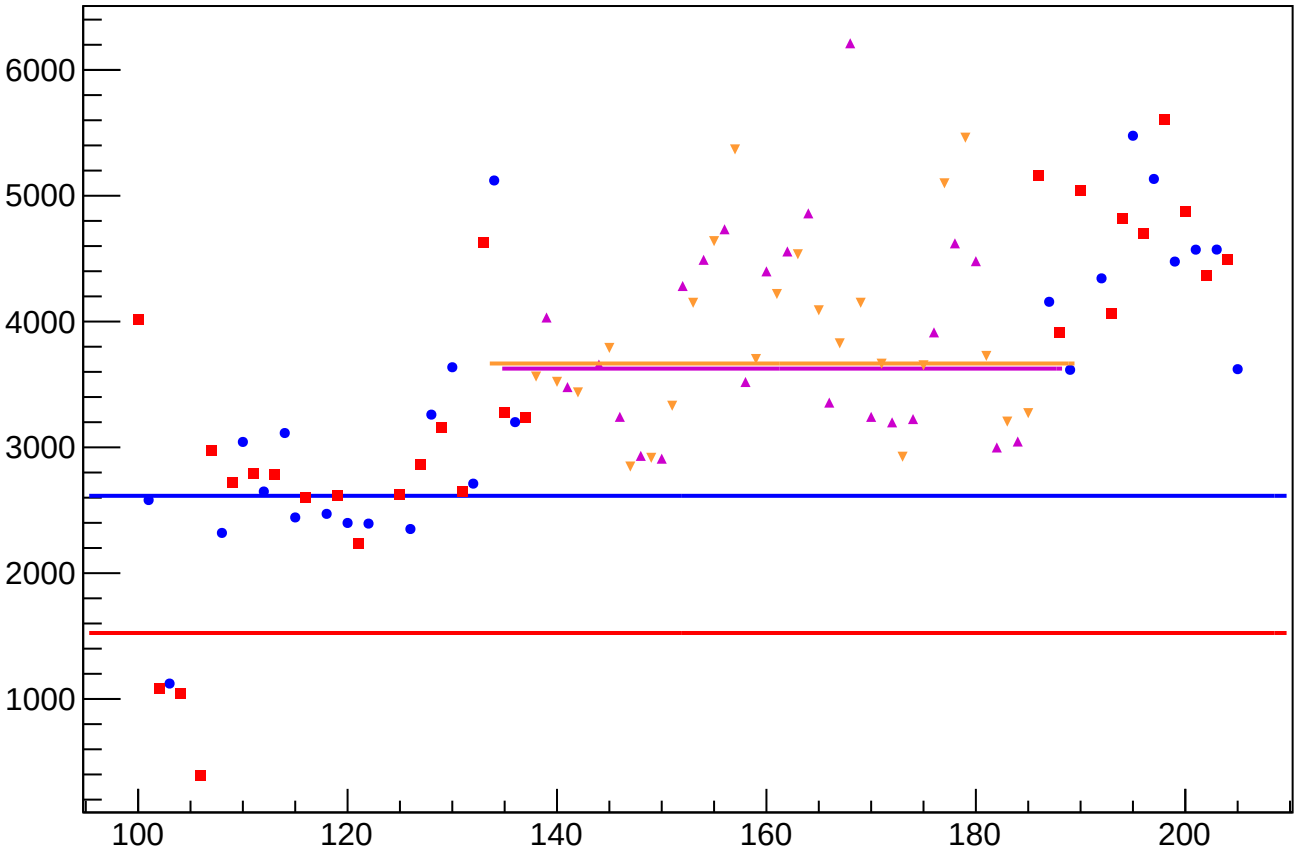
Right Out: -8.416+/-535.361 χ^2/NDF: 29.0/27

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

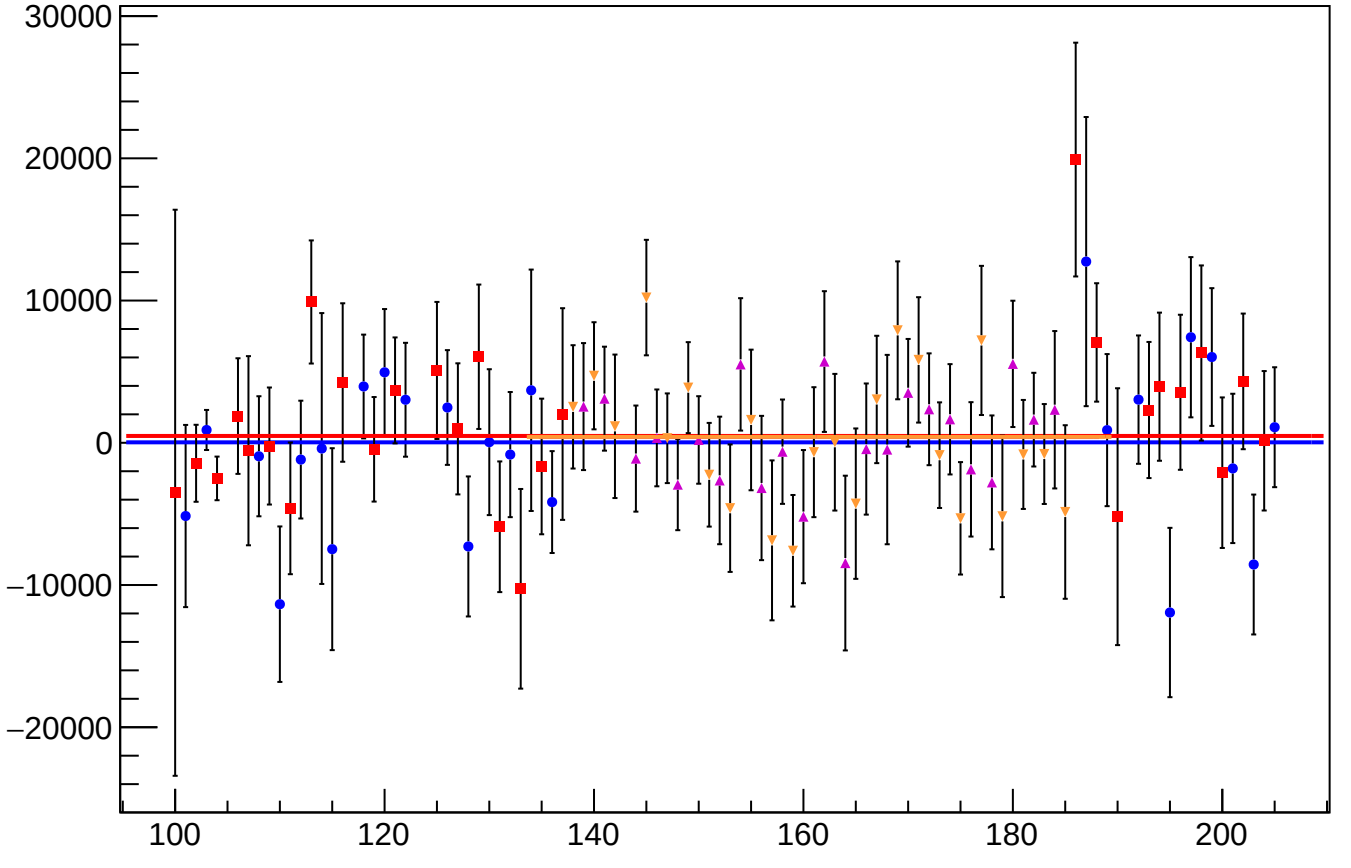
+ sign 284.916+/-578.934 χ^2/NDF: 56.1/48

All: 67.186+/-357.832 χ^2/NDF: 98.8/99

- sign -67.417+/-455.193 χ^2/NDF: 42.4/50


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2614.837+/-0.549 χ²/NDF: 4916108.8/24
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1524.475+/-0.379 χ²/NDF: 13443941.8/27
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
+ sign 3081.152+/-0.409 χ²/NDF: 7640846.8/48
All: 2478.985+/-0.253 χ²/NDF: 34382312.1/9
- sign 2106.722+/-0.322 χ²/NDF: 23240087.5/50

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 31.243+/-813.879 χ^2/NDF: 26.3/24

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

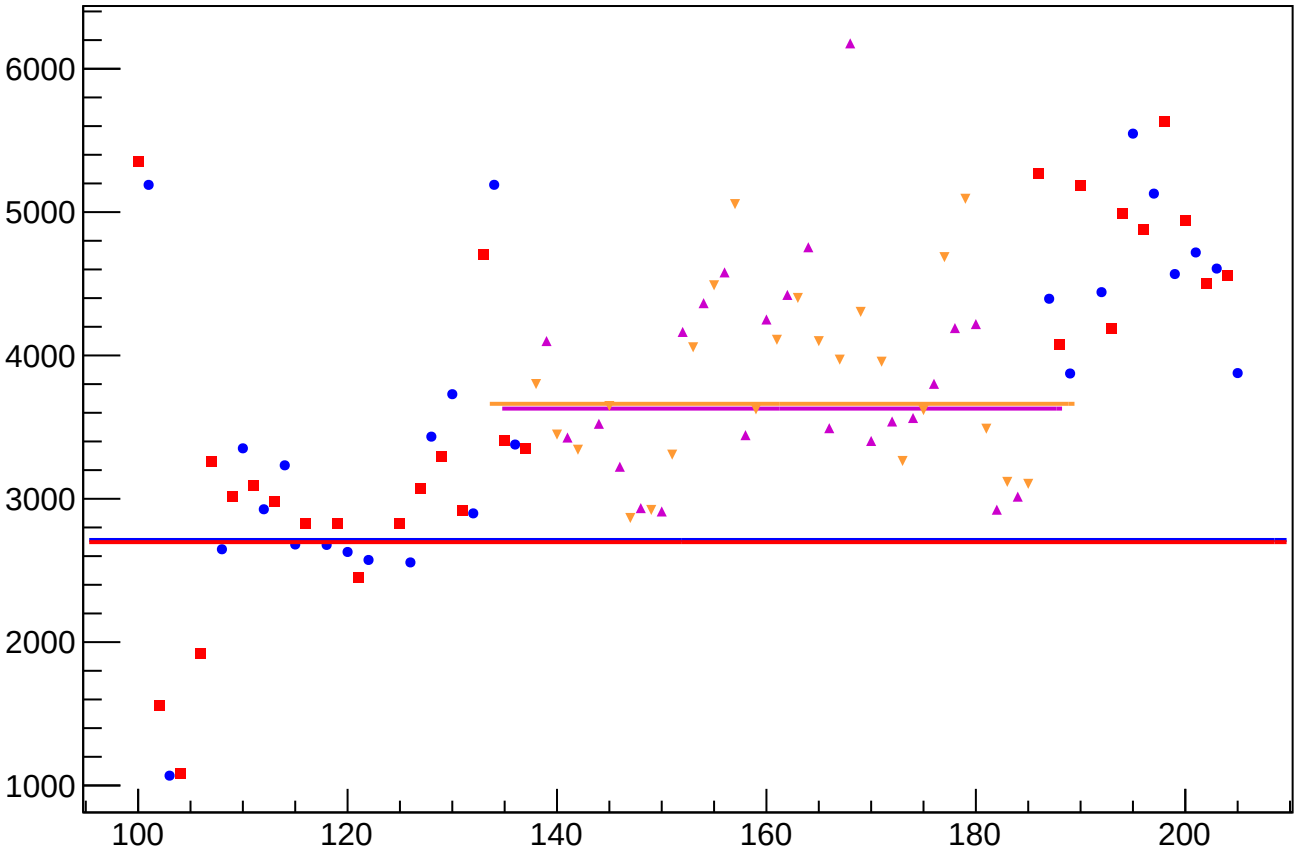
Right Out: 480.610+/-792.995 χ^2/NDF: 29.5/27

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

\+ sign 210.667+/-592.855 χ^2/NDF: 53.6/48

All: 329.803+/-415.952 χ^2/NDF: 95.5/99

\- sign 445.303+/-583.740 χ^2/NDF: 41.8/50



Right In: 2712.682+/-0.575 χ^2/NDF: 5733711.1/24

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

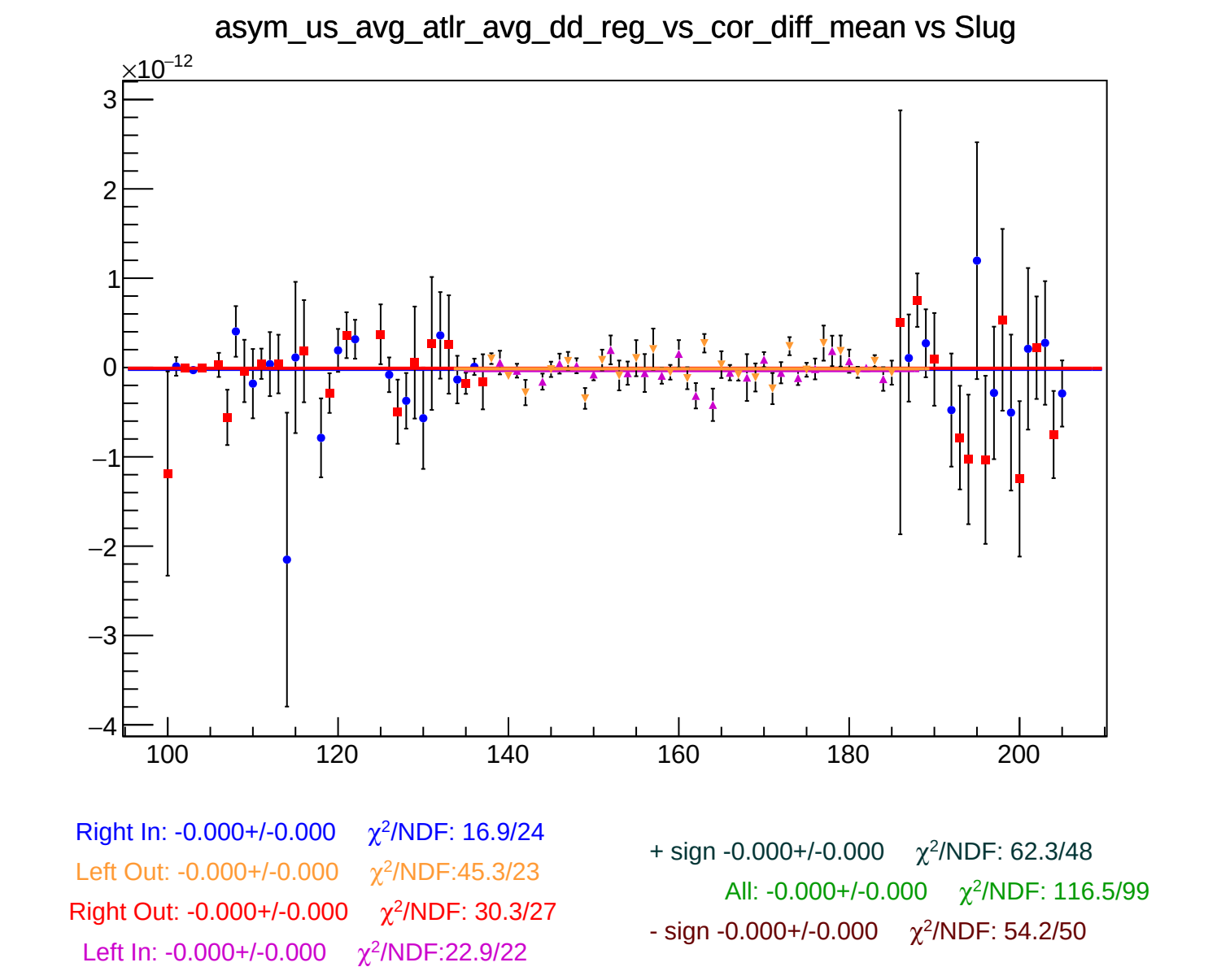
Right Out: 2697.642+/-0.560 χ^2/NDF: 5880365.8/27

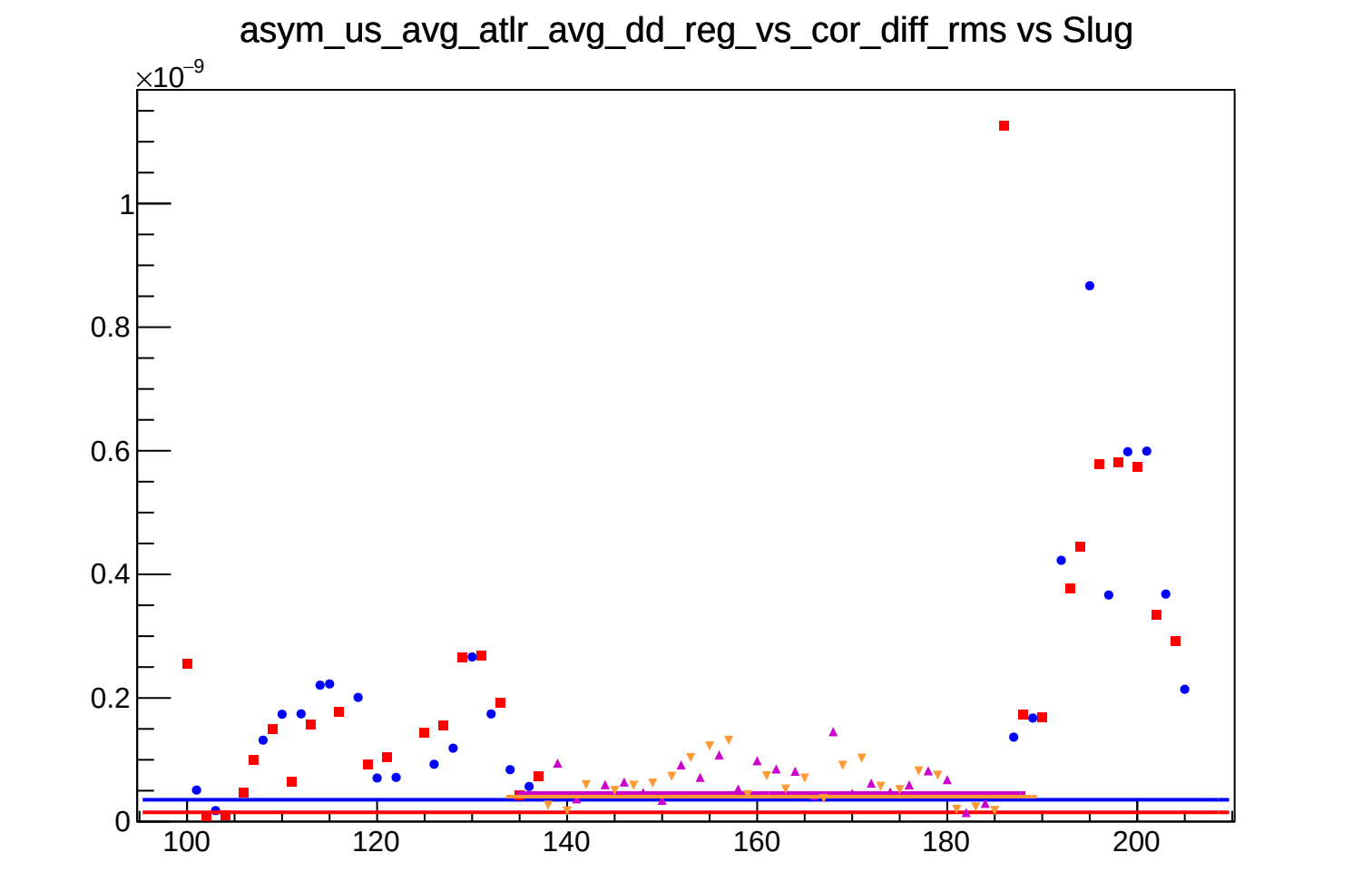
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3158.590+/-0.419 χ^2/NDF: 7906183.6/48

All: 3140.775+/-0.294 χ^2/NDF: 16111606.0/9

- sign 3123.538+/-0.412 χ^2/NDF: 8201869.1/50


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.9/24
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 30.3/27
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 62.3/48
All: -0.000+/-0.000 χ²/NDF: 116.5/99
- sign -0.000+/-0.000 χ²/NDF: 54.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 7859776.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

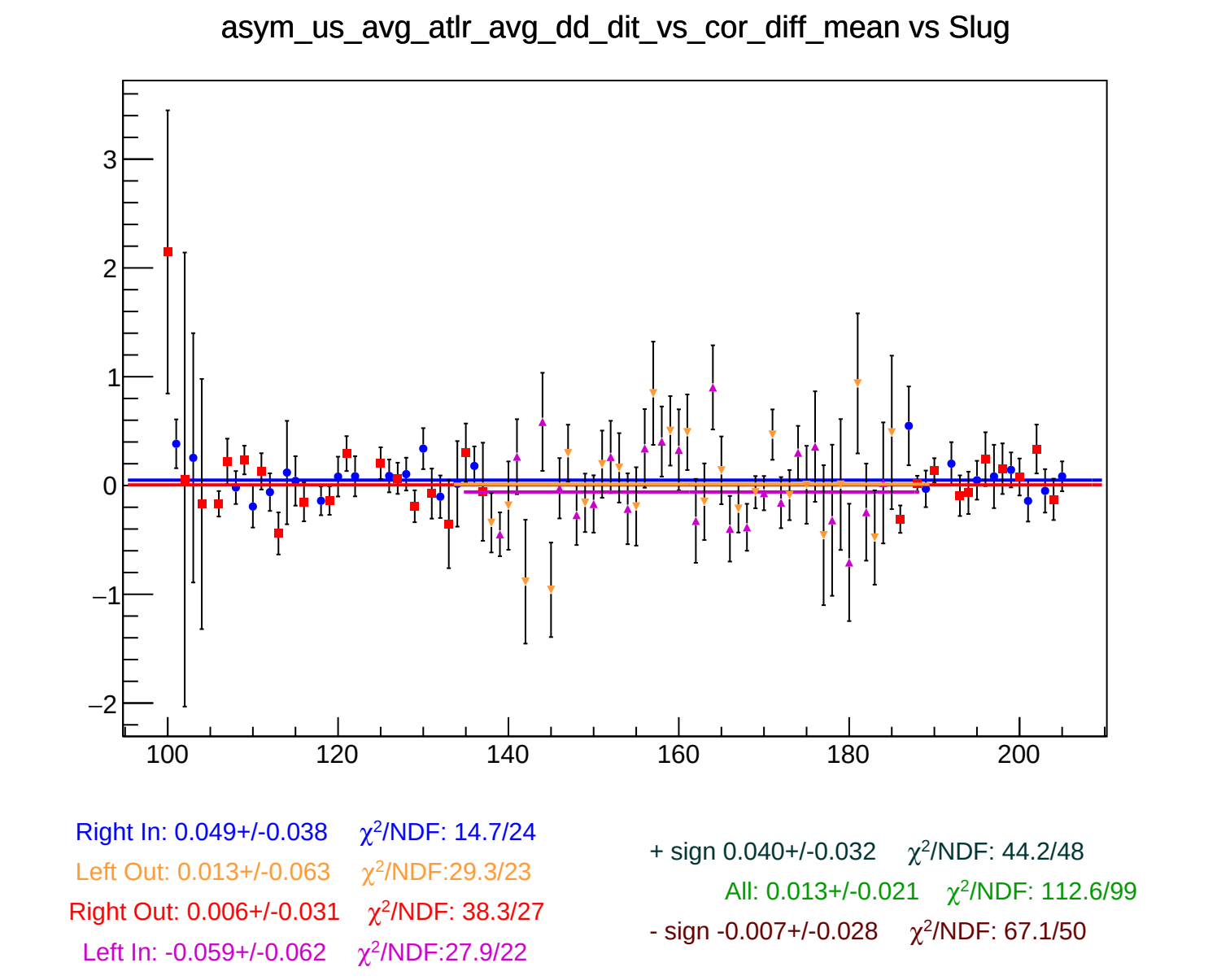
Right Out: 0.000+/-0.000 χ^2/NDF: 9772174.2/27

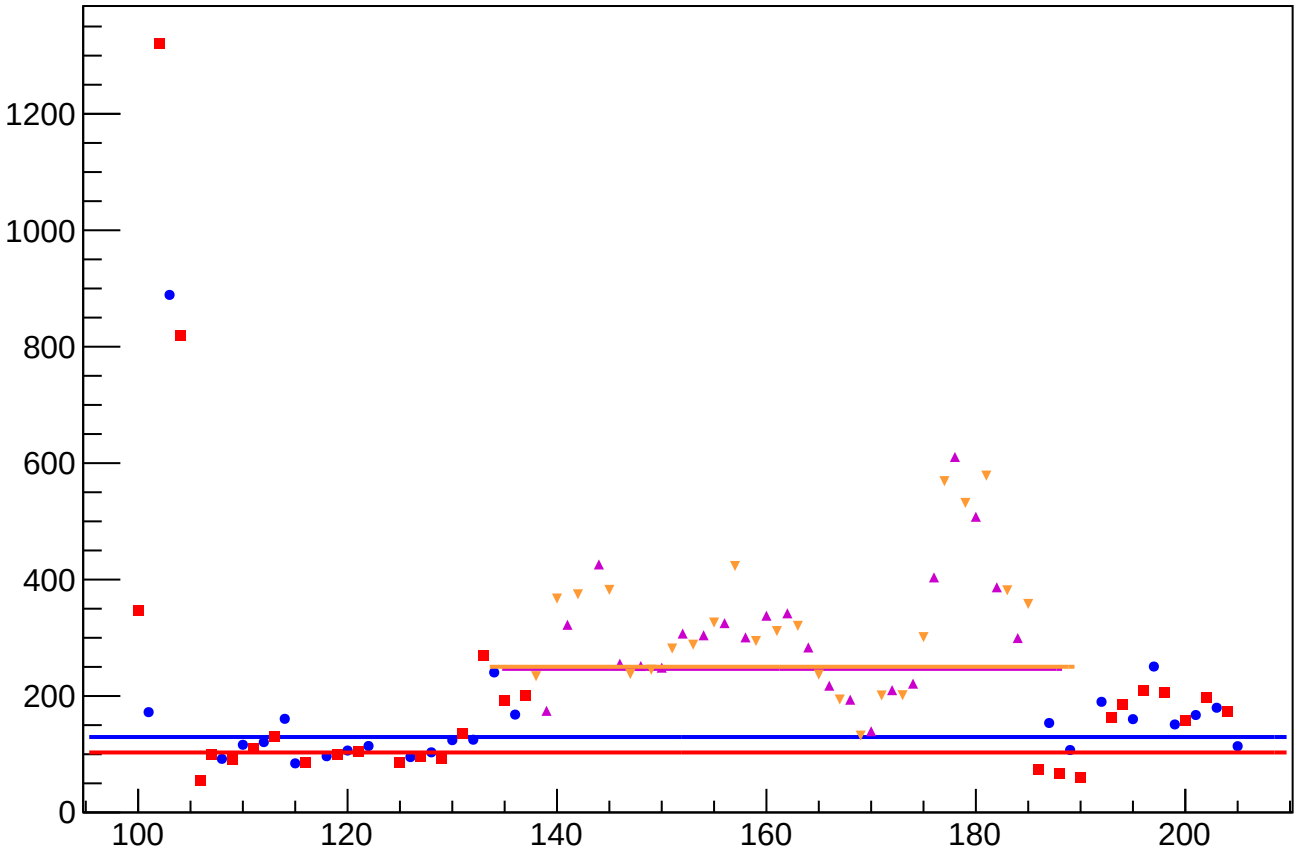
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11345083.4/48

All: 0.000+/-0.000 χ^2/NDF: 28056197.3/99

- sign 0.000+/-0.000 χ^2/NDF: 15832809.8/50


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.049+/-0.038 χ²/NDF: 14.7/24
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.006+/-0.031 χ²/NDF: 38.3/27
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.032 χ²/NDF: 44.2/48
All: 0.013+/-0.021 χ²/NDF: 112.6/99
- sign -0.007+/-0.028 χ²/NDF: 67.1/50



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

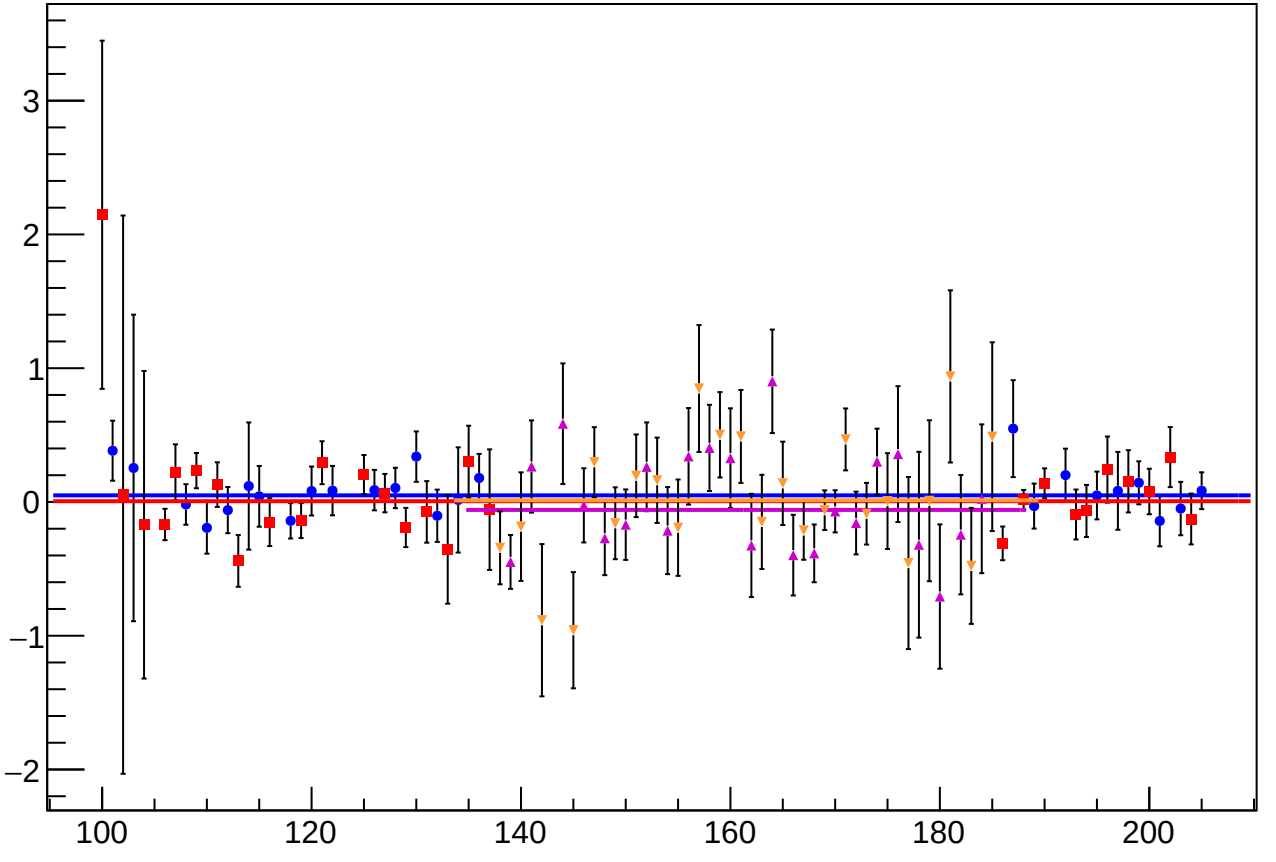
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 161.500+/-0.023 χ^2/NDF: 12418213.6/48

All: 144.485+/-0.015 χ^2/NDF: 31427775.6/99

- sign 131.942+/-0.020 χ^2/NDF: 18052095.4/50

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

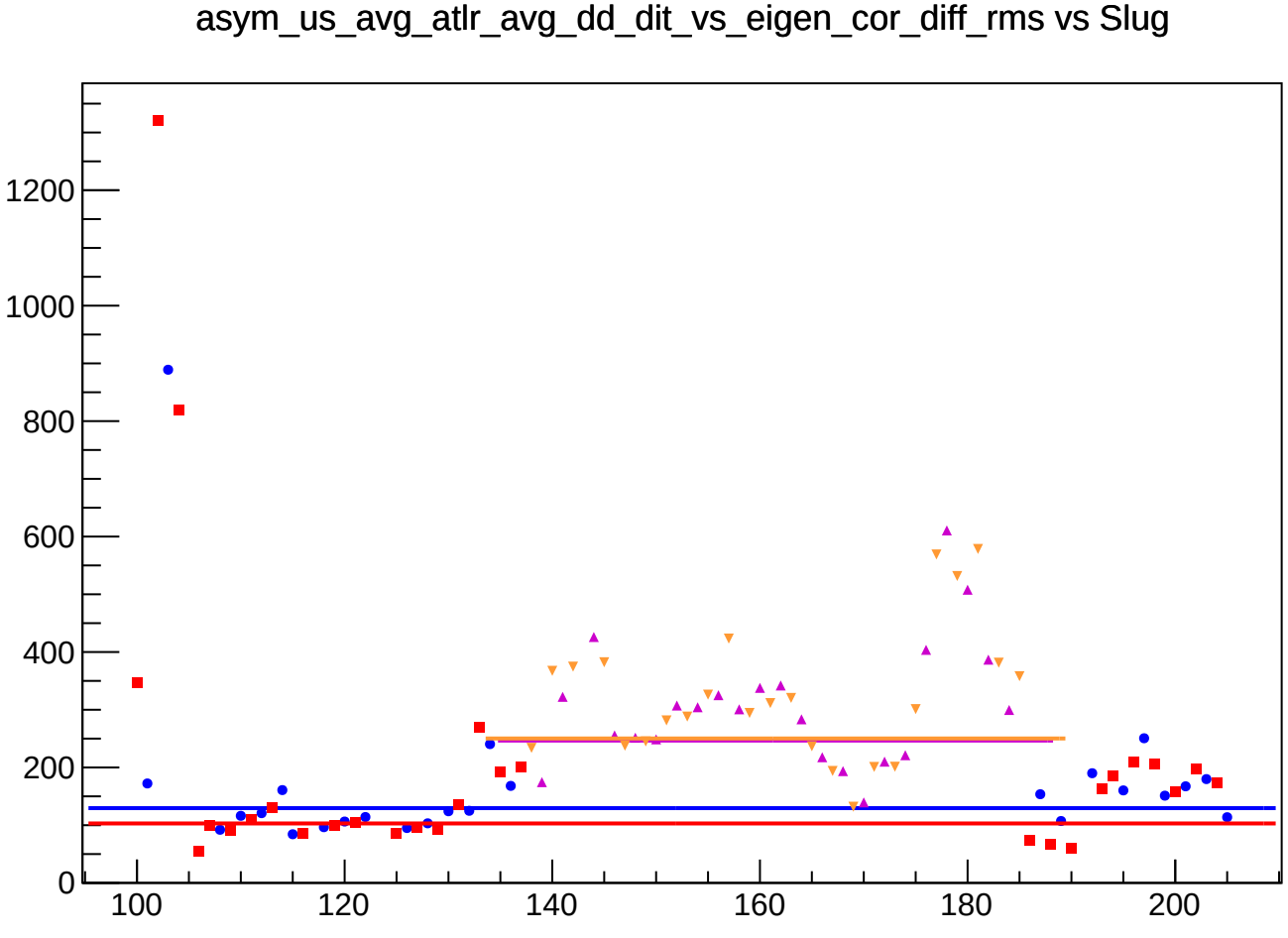
Right Out: 0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.032 χ^2/NDF: 44.2/48

All: 0.013+/-0.021 χ^2/NDF: 112.6/99

- sign -0.007+/-0.028 χ^2/NDF: 67.1/50



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

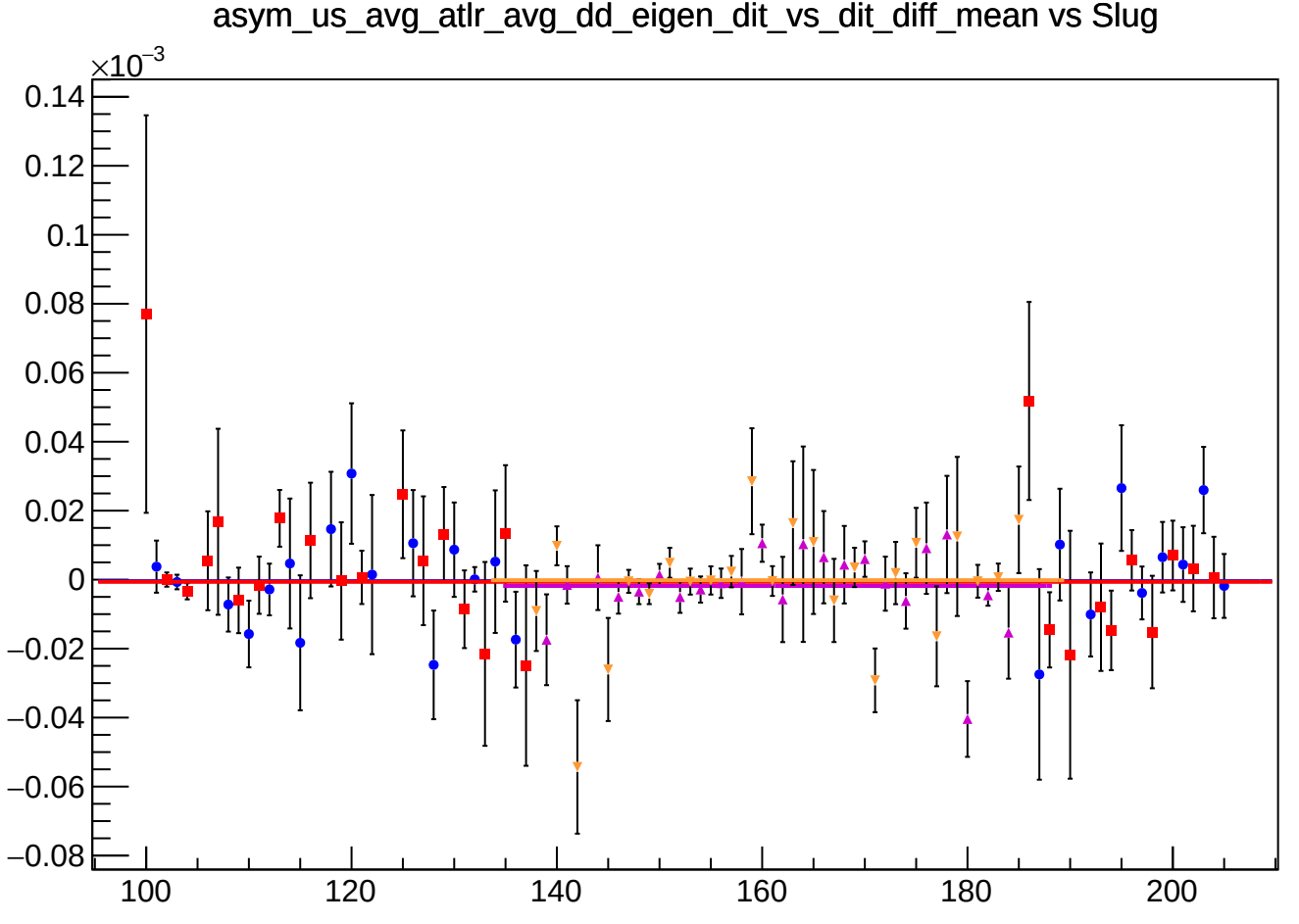
Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 161.500+/-0.023 χ^2/NDF: 12418213.6/48

All: 144.485+/-0.015 χ^2/NDF: 31427775.6/99

- sign 131.942+/-0.020 χ^2/NDF: 18052095.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

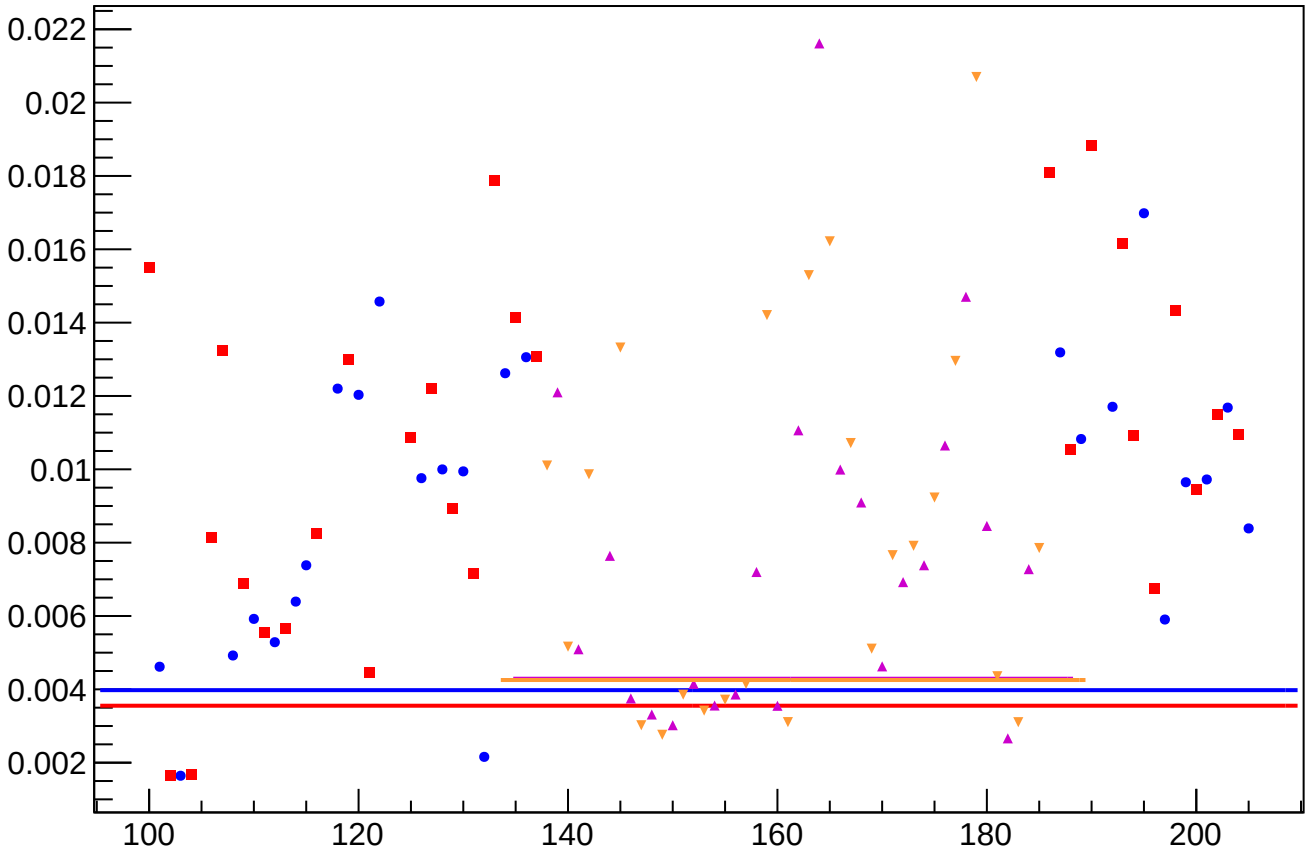
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/27

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/48

All: -0.000+/-0.000 χ^2/NDF: 112.6/99

- sign -0.000+/-0.000 χ^2/NDF: 52.7/50



Right In: 0.004+/-0.000 χ^2/NDF: 11504495.3/24

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

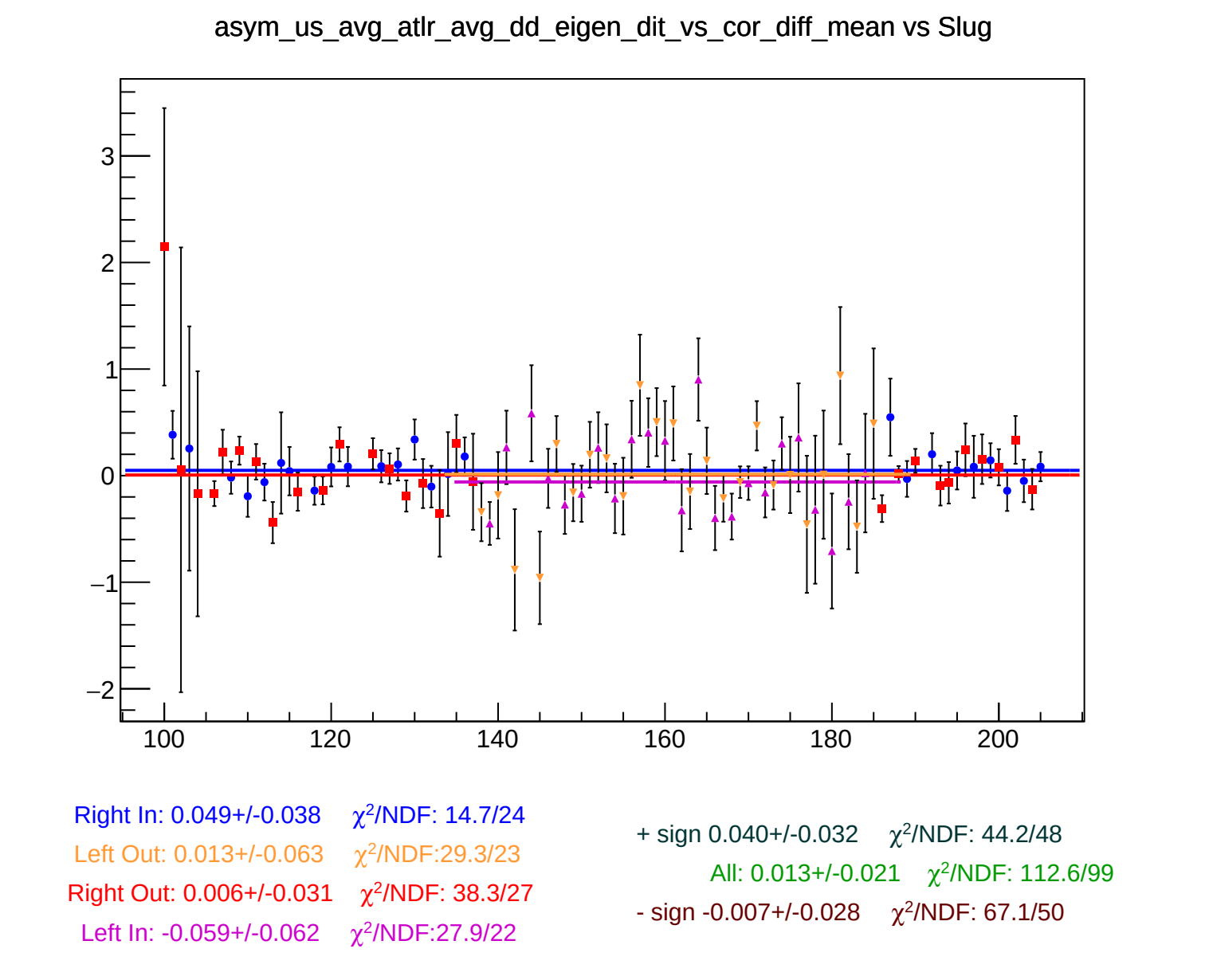
Right Out: 0.004+/-0.000 χ^2/NDF: 14285810.1/27

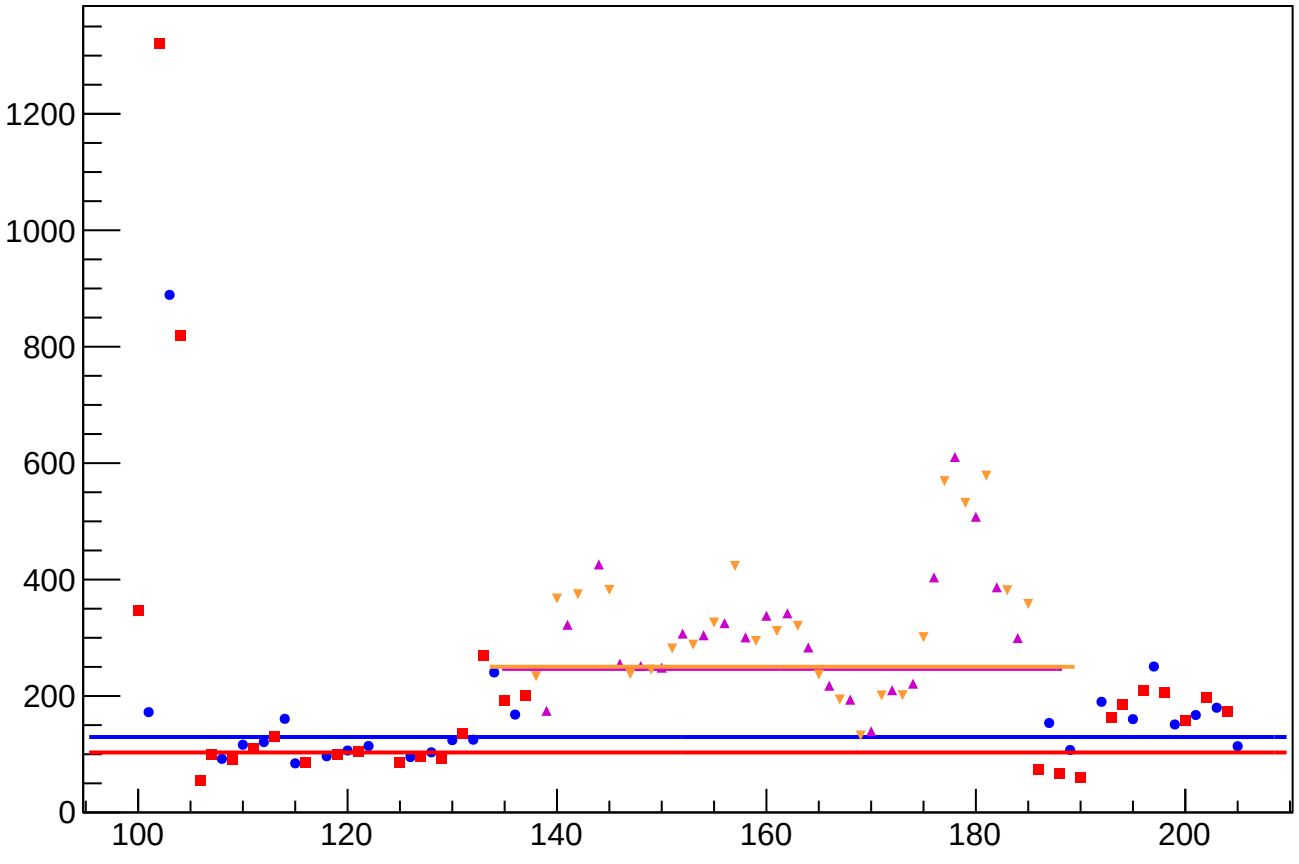
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 20040660.2/48

All: 0.004+/-0.000 χ^2/NDF: 41311941.7/99

- sign 0.004+/-0.000 χ^2/NDF: 21228176.6/50


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.049+/-0.038 χ²/NDF: 14.7/24
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.006+/-0.031 χ²/NDF: 38.3/27
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.032 χ²/NDF: 44.2/48
All: 0.013+/-0.021 χ²/NDF: 112.6/99
- sign -0.007+/-0.028 χ²/NDF: 67.1/50



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

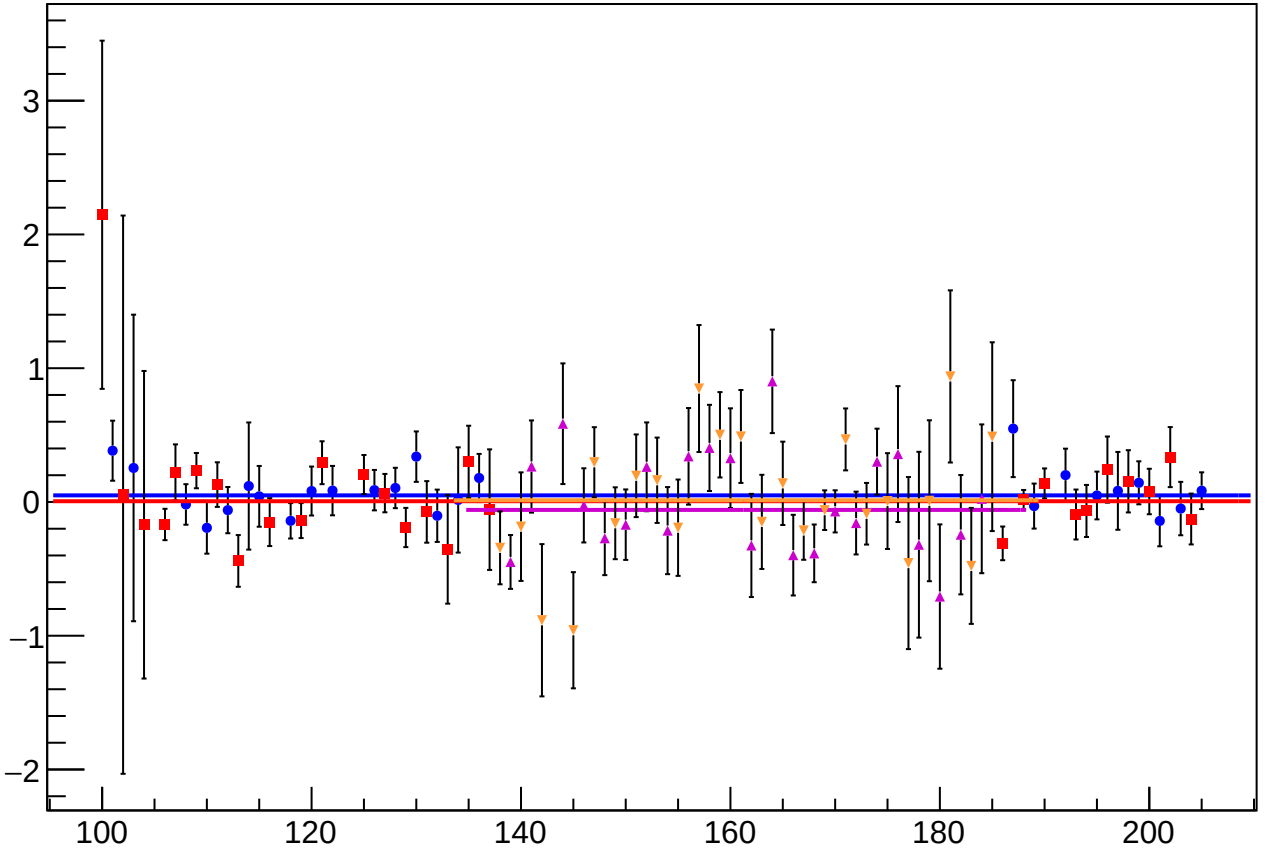
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 161.498+/-0.023 χ^2/NDF: 12418521.9/48

All: 144.481+/-0.015 χ^2/NDF: 31429757.0/99

- sign 131.937+/-0.020 χ^2/NDF: 18053483.1/50

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

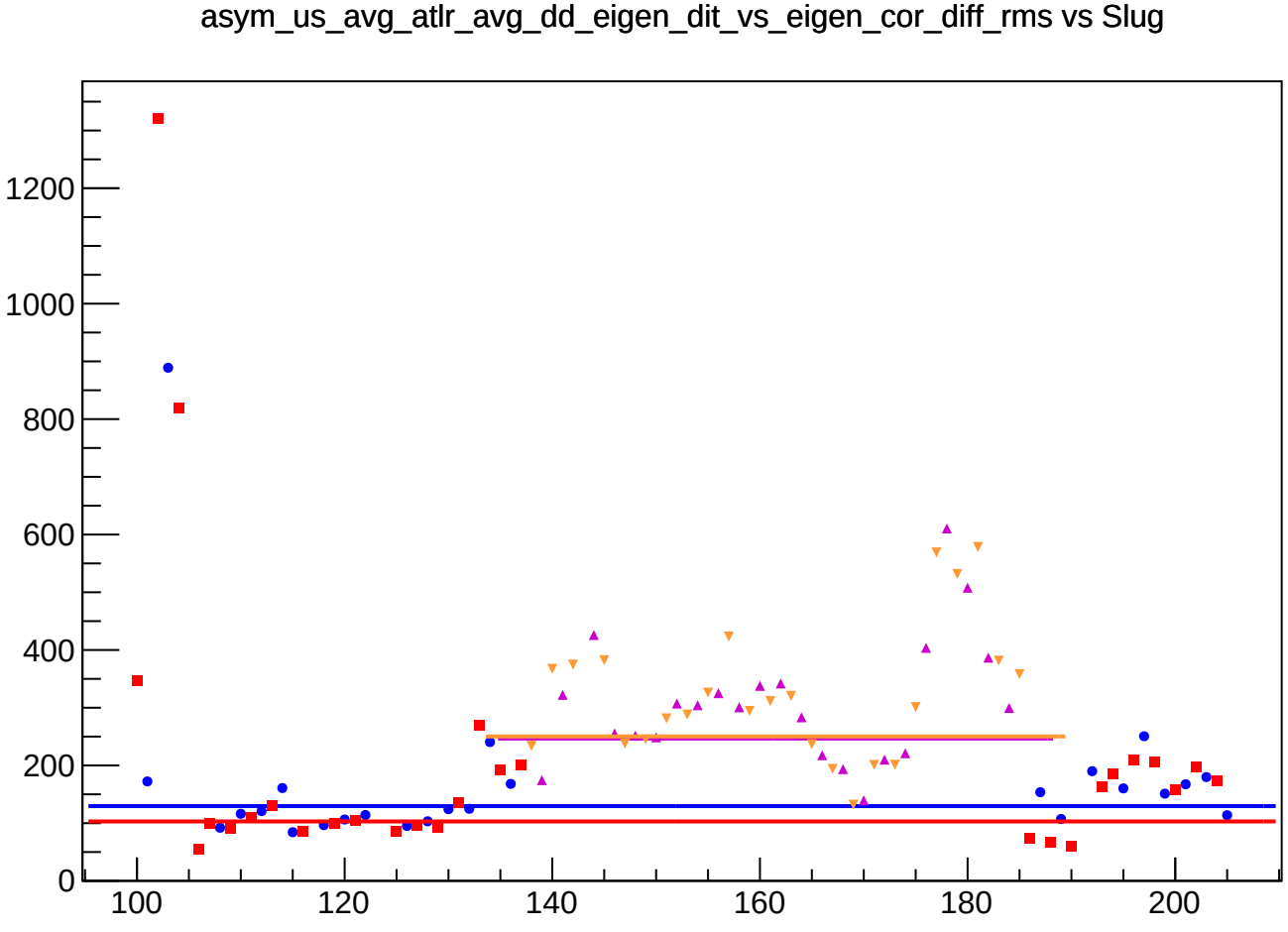
Right Out: 0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.040+/-0.032 χ^2/NDF: 44.2/48

All: 0.013+/-0.021 χ^2/NDF: 112.6/99

- sign -0.007+/-0.028 χ^2/NDF: 67.1/50



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

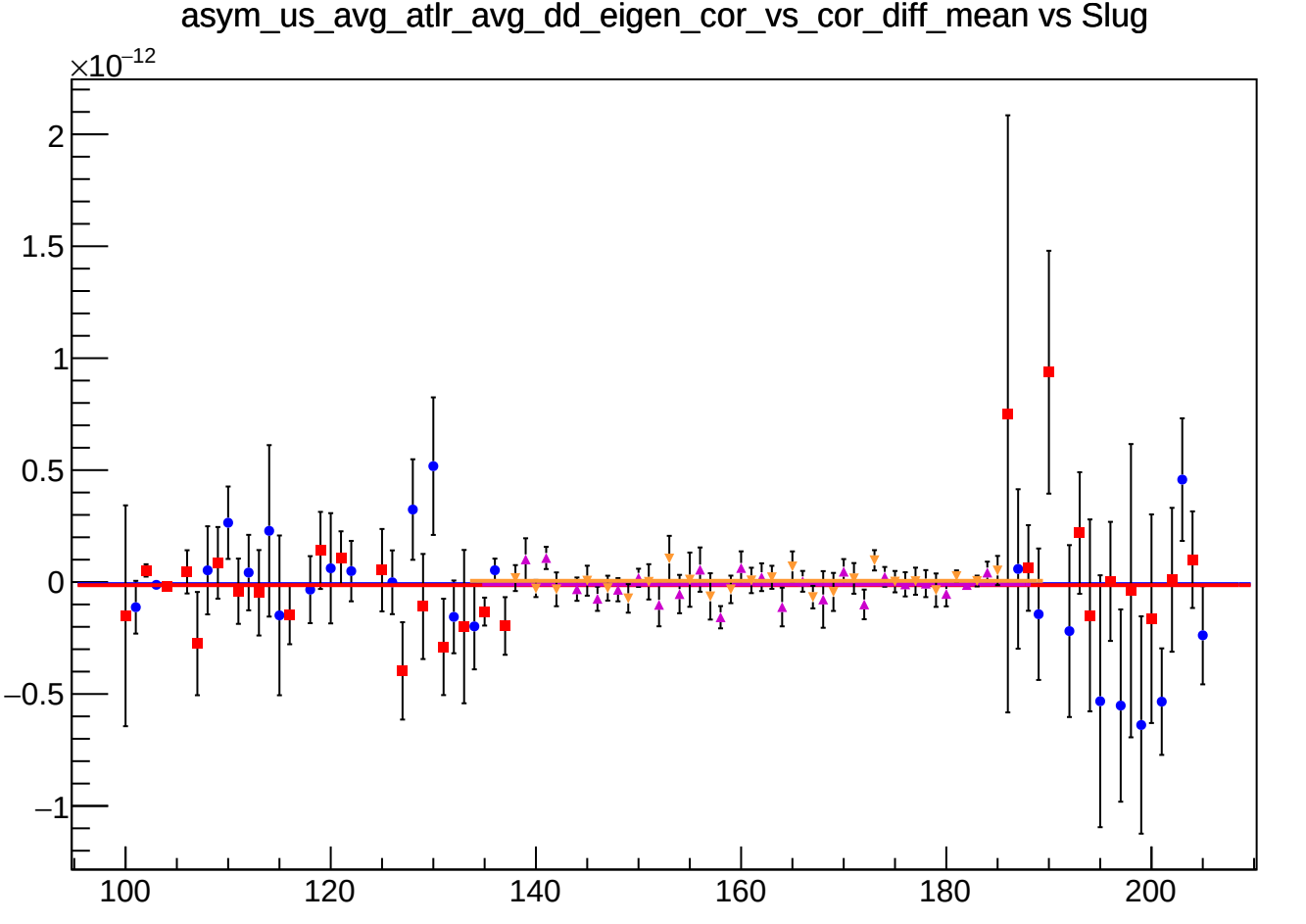
Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 161.498+/-0.023 χ^2/NDF: 12418521.9/48

All: 144.481+/-0.015 χ^2/NDF: 31429757.0/99

- sign 131.937+/-0.020 χ^2/NDF: 18053483.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

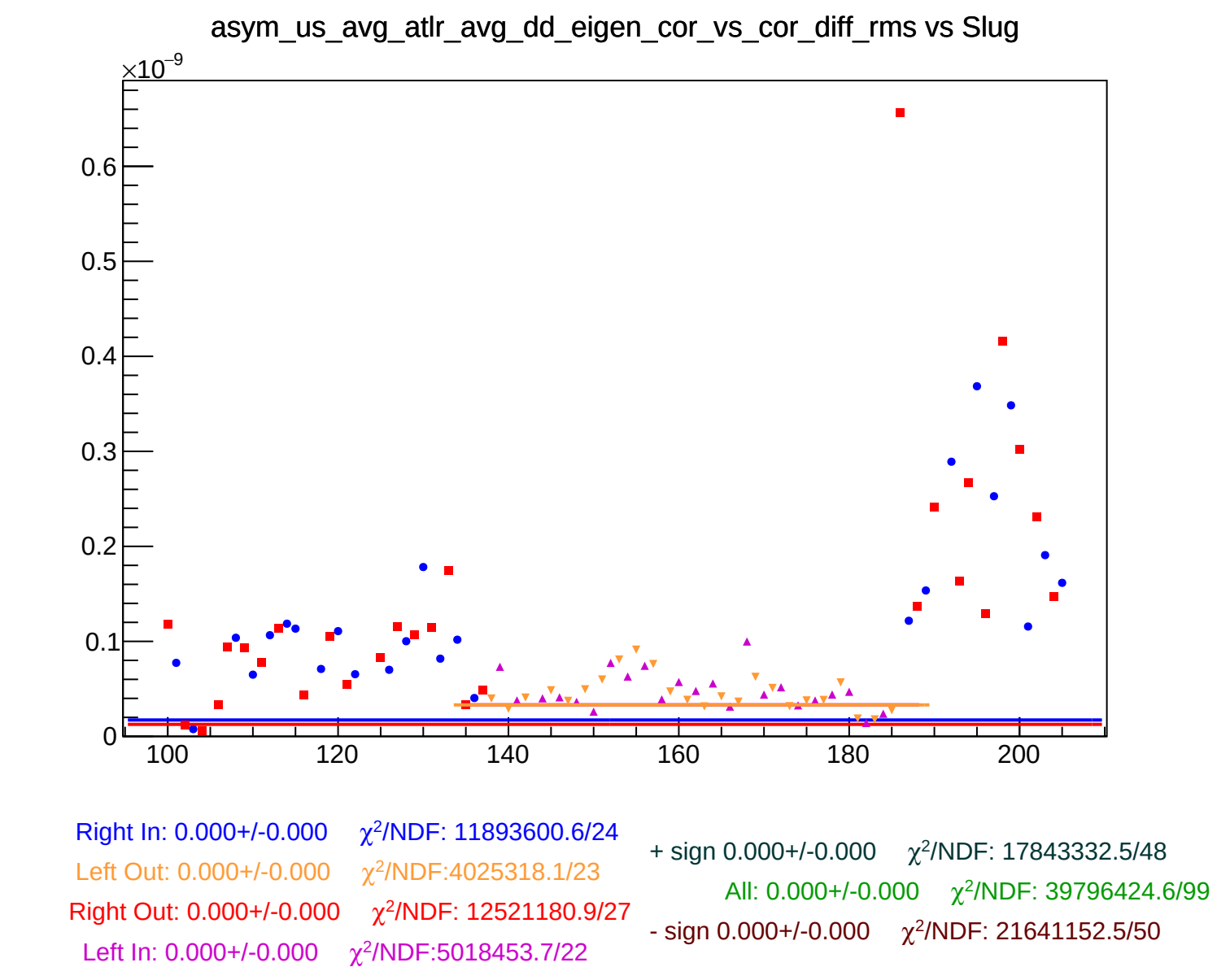
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/27

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

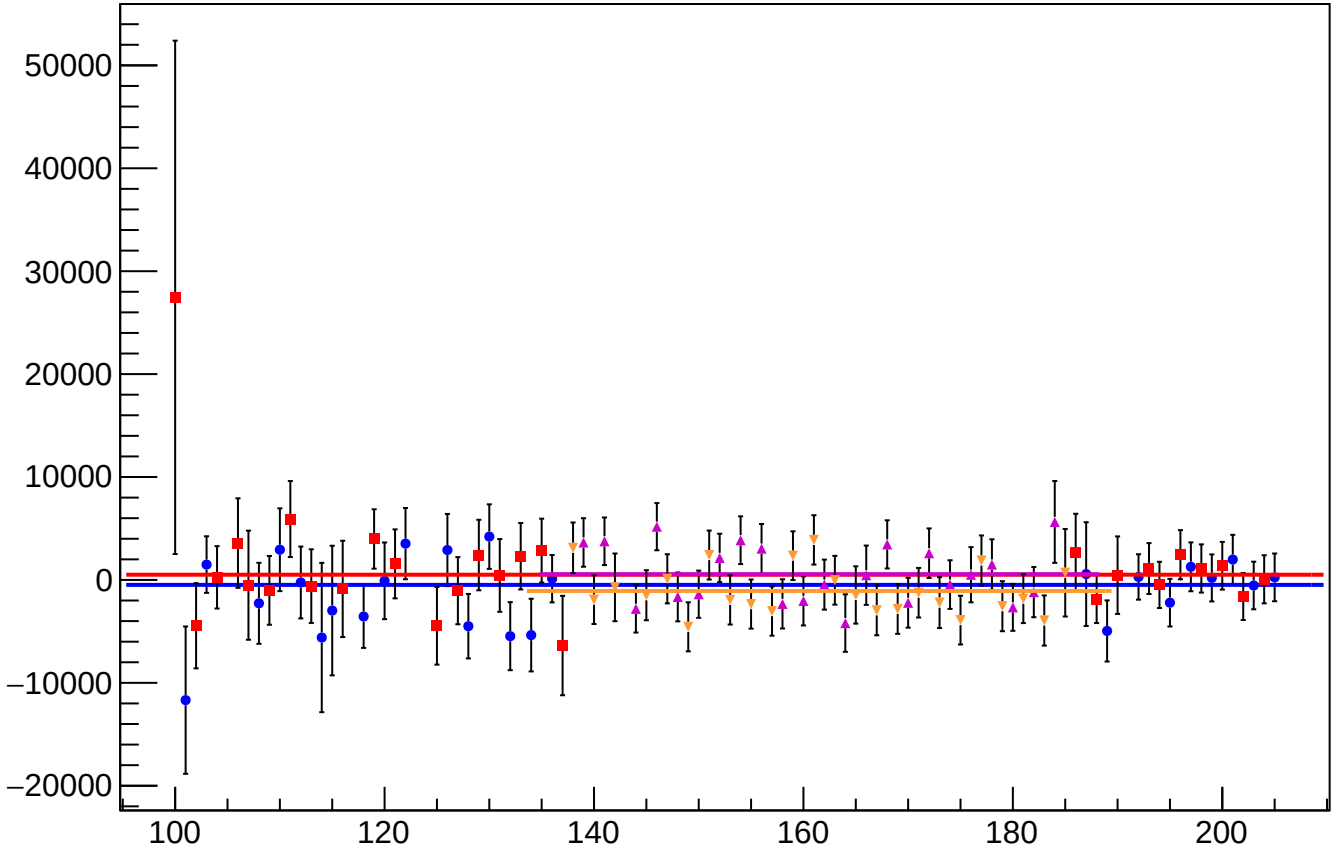
+ sign -0.000+/-0.000 χ^2/NDF: 41.3/48

All: -0.000+/-0.000 χ^2/NDF: 97.1/99

- sign -0.000+/-0.000 χ^2/NDF: 54.7/50


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 11893600.6/24
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 12521180.9/27
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
+ sign 0.000+/-0.000 χ²/NDF: 17843332.5/48
All: 0.000+/-0.000 χ²/NDF: 39796424.6/99
- sign 0.000+/-0.000 χ²/NDF: 21641152.5/50

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -479.784+/-600.414 χ^2/NDF: 20.8/24

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 508.309+/-584.074 χ^2/NDF: 15.8/27

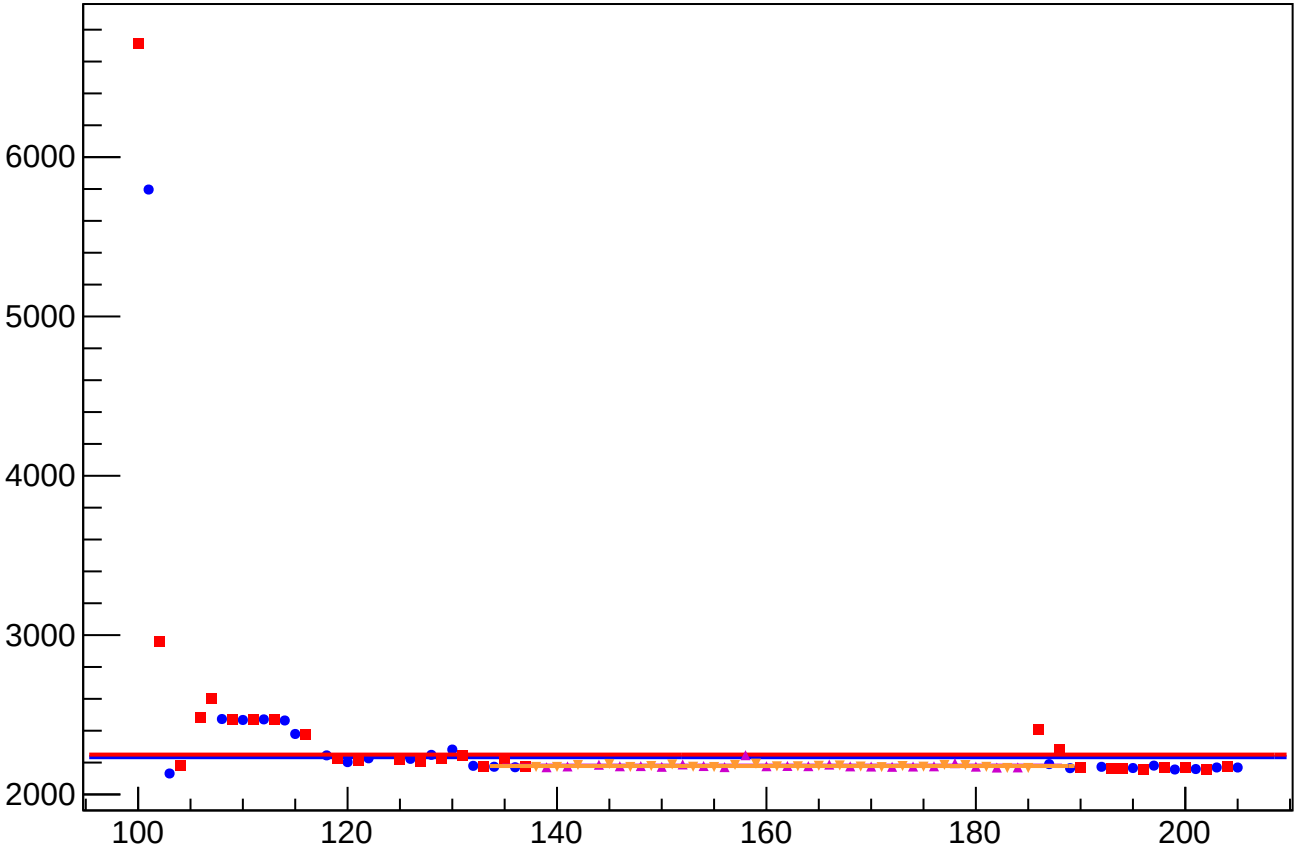
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -826.832+/-386.714 χ^2/NDF: 42.9/48

All: -140.301+/-272.420 χ^2/NDF: 93.6/99

- sign 536.003+/-383.822 χ^2/NDF: 44.5/50

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2233.715+/-0.425 χ^2/NDF: 540865.9/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

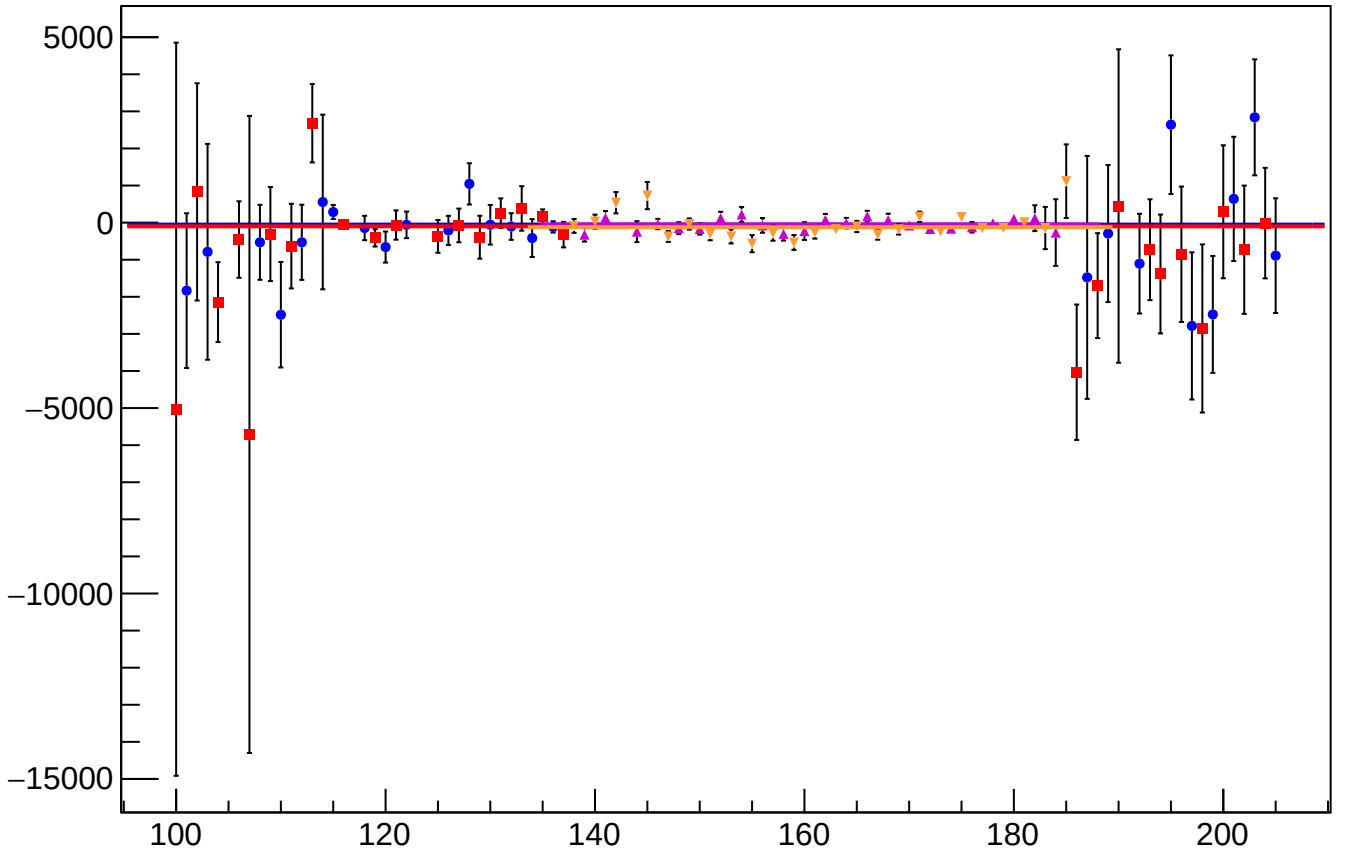
Right Out: 2250.105+/-0.413 χ^2/NDF: 189034.1/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2201.255+/-0.273 χ^2/NDF: 551244.2/48

All: 2206.062+/-0.193 χ^2/NDF: 758702.1/99

- sign 2210.796+/-0.271 χ^2/NDF: 206844.6/50



Right In: -52.924+/-89.784 χ^2/NDF: 25.4/24

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

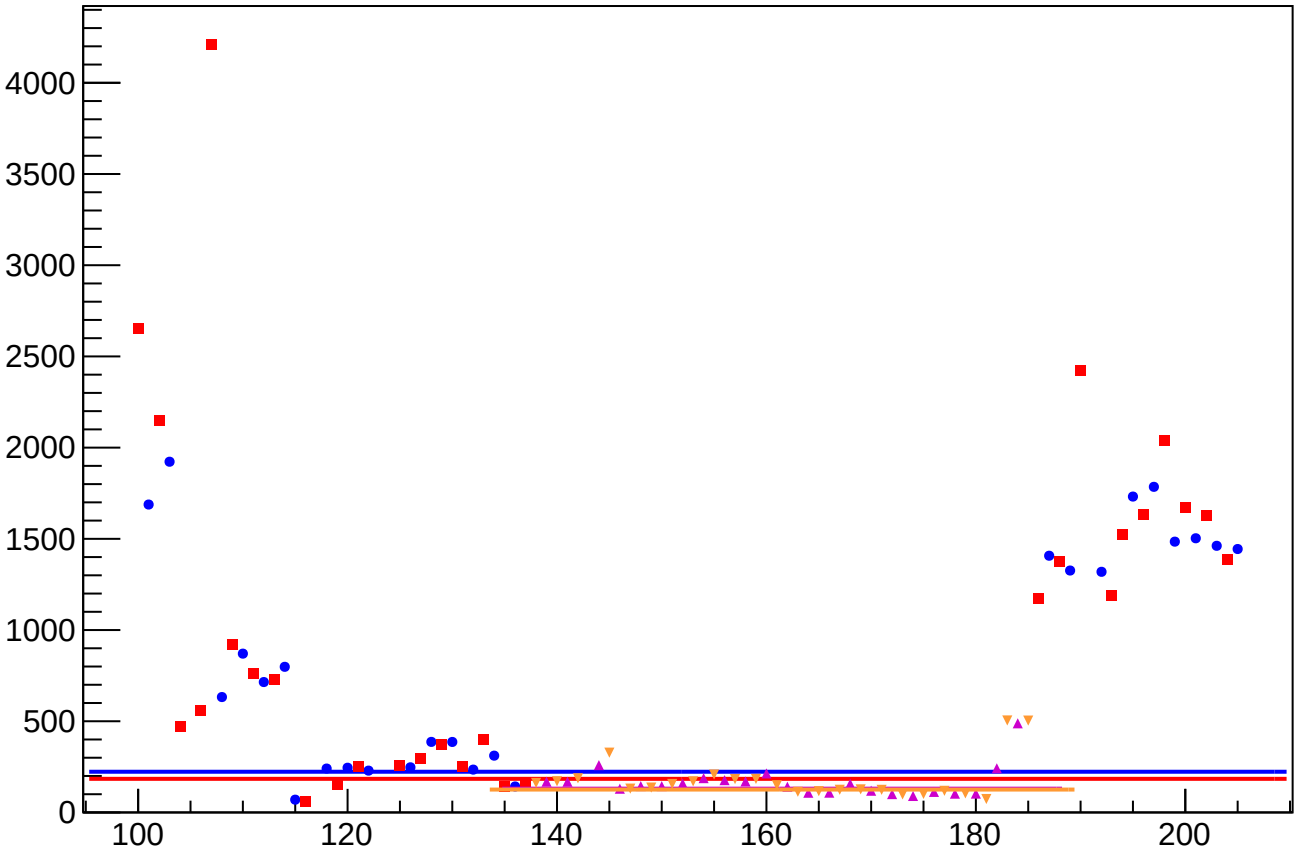
Right Out: -98.680+/-81.455 χ^2/NDF: 26.4/27

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.366+/-29.646 χ^2/NDF: 69.8/48

All: -86.732+/-21.164 χ^2/NDF: 116.6/99

- sign -56.974+/-30.222 χ^2/NDF: 44.9/50



Right In: 223.193+/-0.063 χ^2/NDF: 15103920.1/24

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 184.309+/-0.058 χ^2/NDF: 18143615.2/27

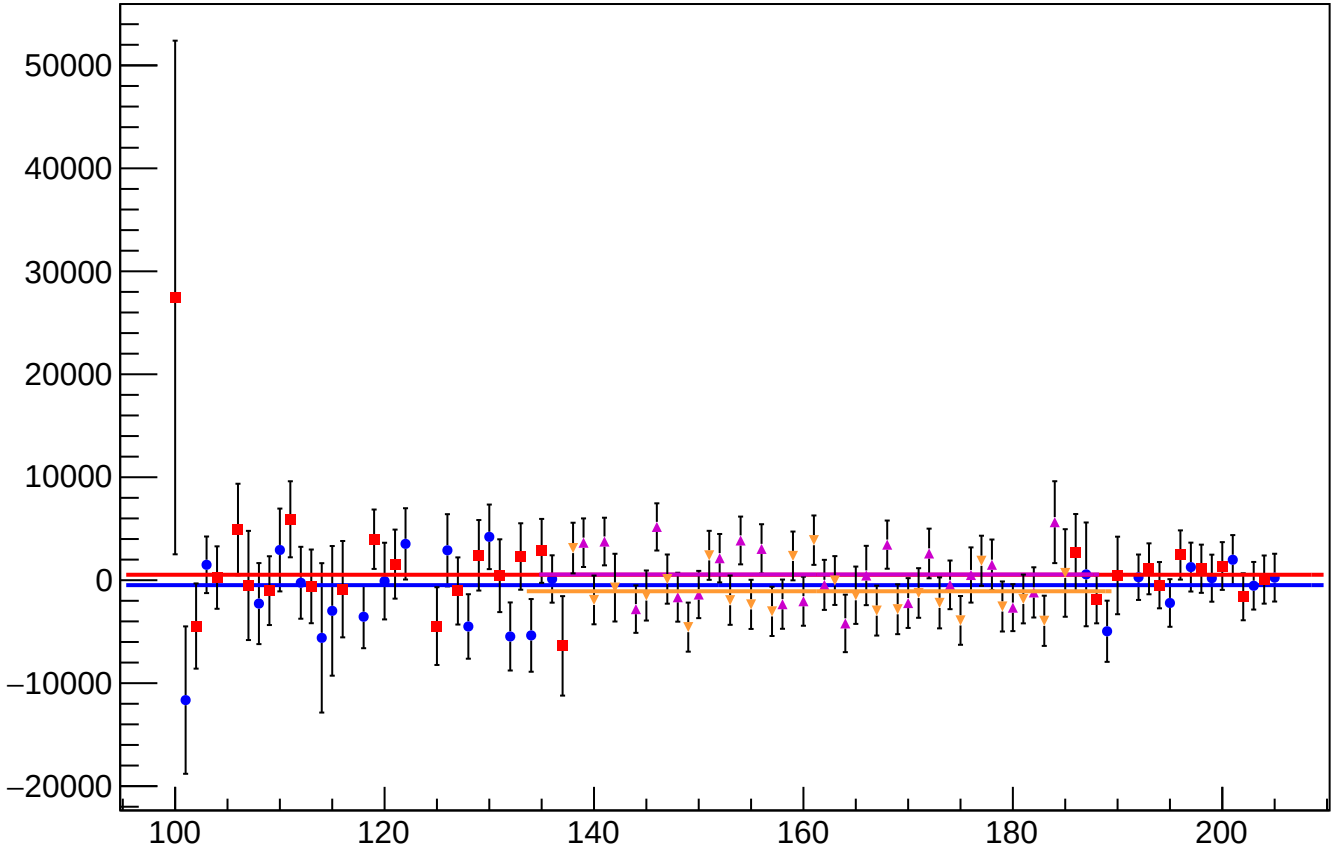
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 136.157+/-0.021 χ^2/NDF: 21156102.6/48

All: 136.988+/-0.015 χ^2/NDF: 42737031.3/99

- sign 137.852+/-0.021 χ^2/NDF: 21577721.8/50

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 529.378+/-584.292 χ^2/NDF: 16.3/27

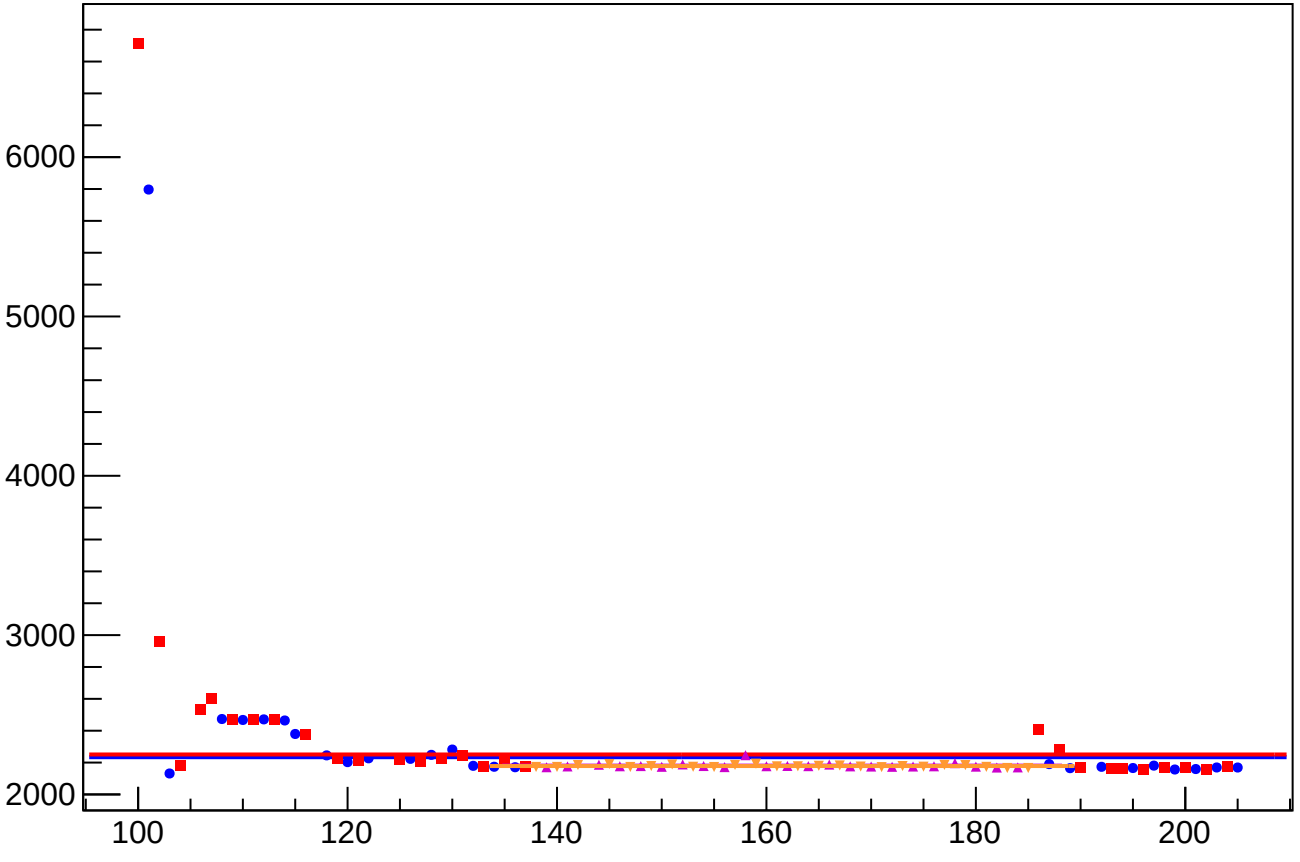
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -826.588+/-386.714 χ^2/NDF: 42.9/48

All: -135.696+/-272.442 χ^2/NDF: 94.2/99

- sign 545.122+/-383.884 χ^2/NDF: 45.0/50

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

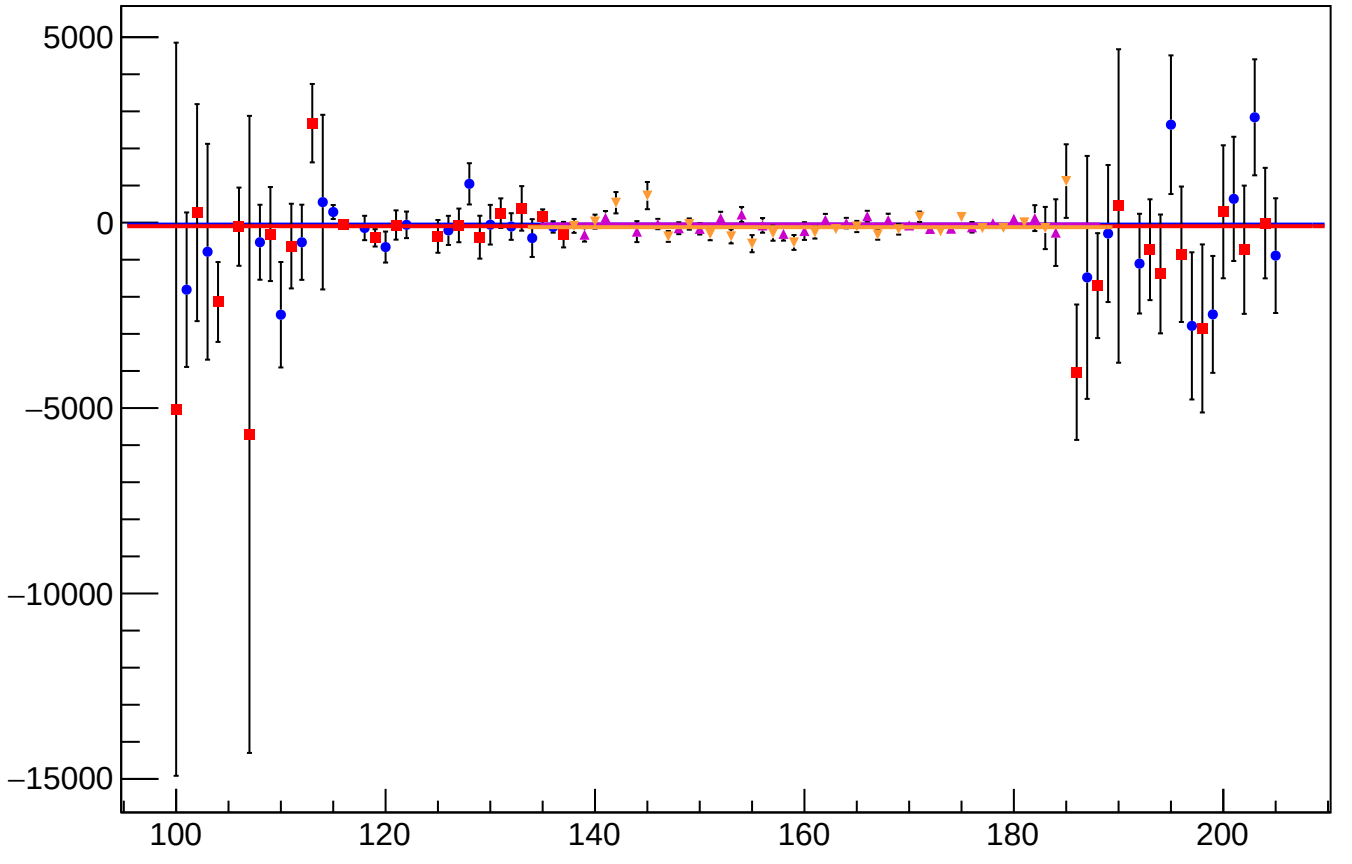
Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2201.255+/-0.273 χ^2/NDF: 551244.5/48

All: 2206.207+/-0.193 χ^2/NDF: 761477.0/99

- sign 2211.087+/-0.271 χ^2/NDF: 209581.5/50



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

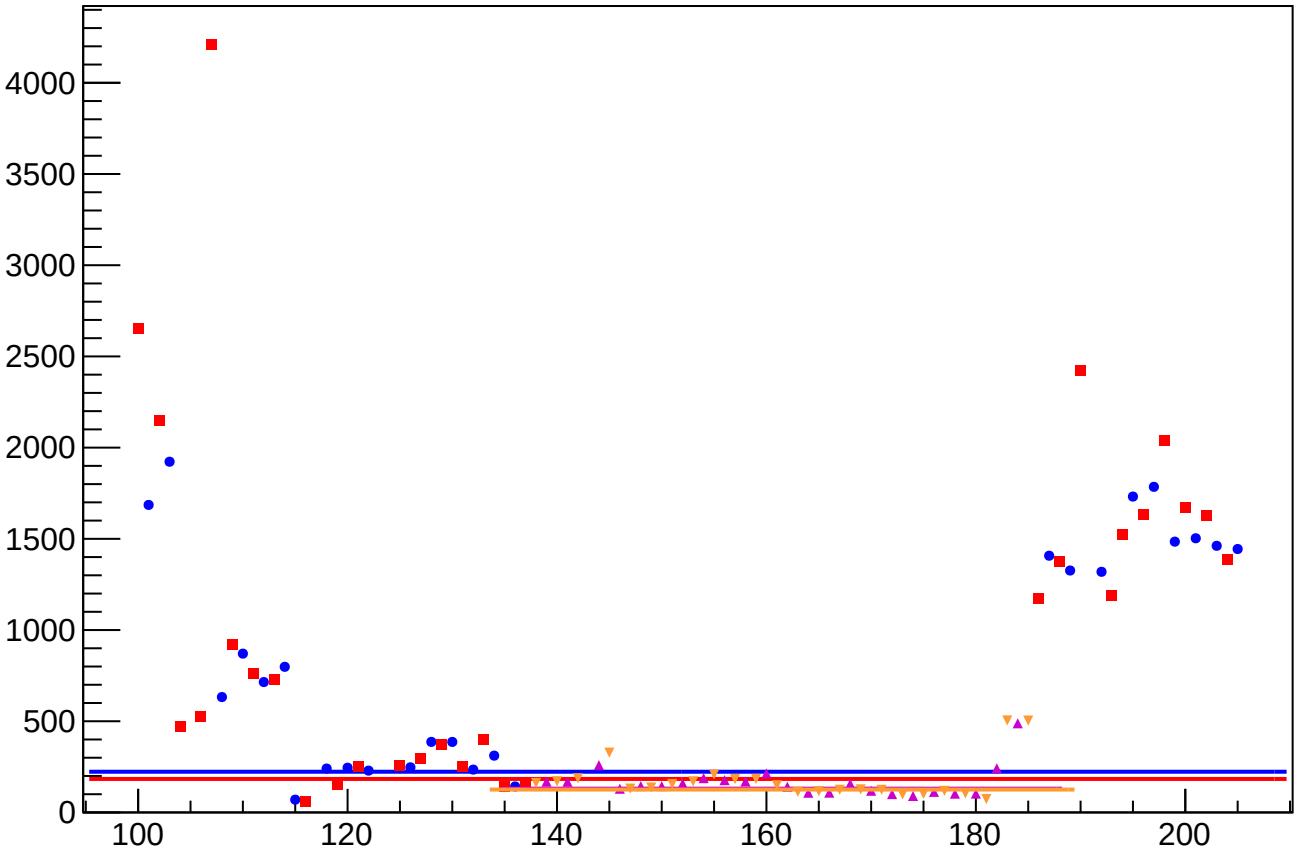
Right Out: -96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.300+/-29.647 χ^2/NDF: 69.7/48

All: -86.522+/-21.164 χ^2/NDF: 116.3/99

- sign -56.617+/-30.221 χ^2/NDF: 44.7/50



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

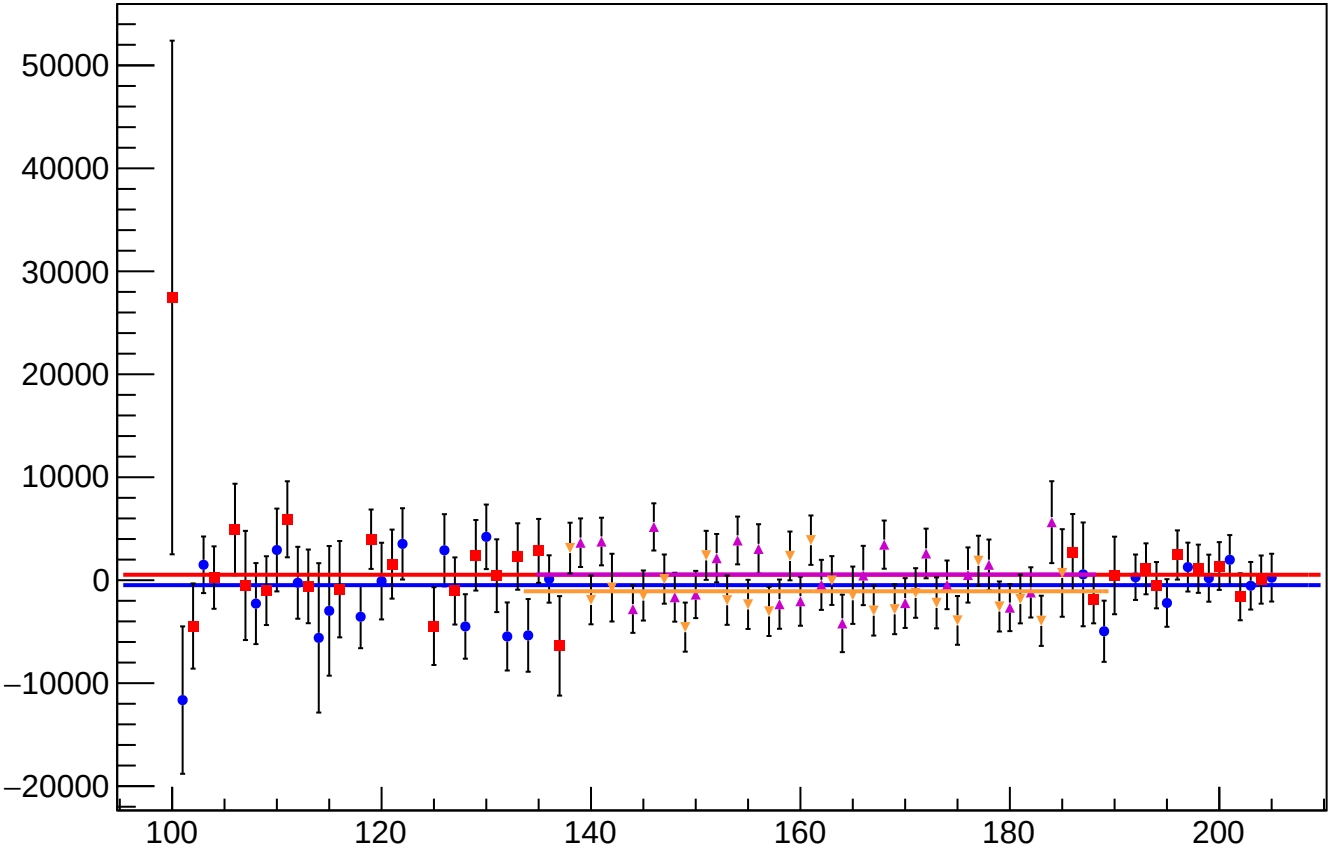
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 136.156+/-0.021 χ^2/NDF: 21156532.3/48

All: 136.959+/-0.015 χ^2/NDF: 42685523.0/99

- sign 137.795+/-0.021 χ^2/NDF: 21525992.0/50

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 529.378+/-584.292 χ^2/NDF: 16.3/27

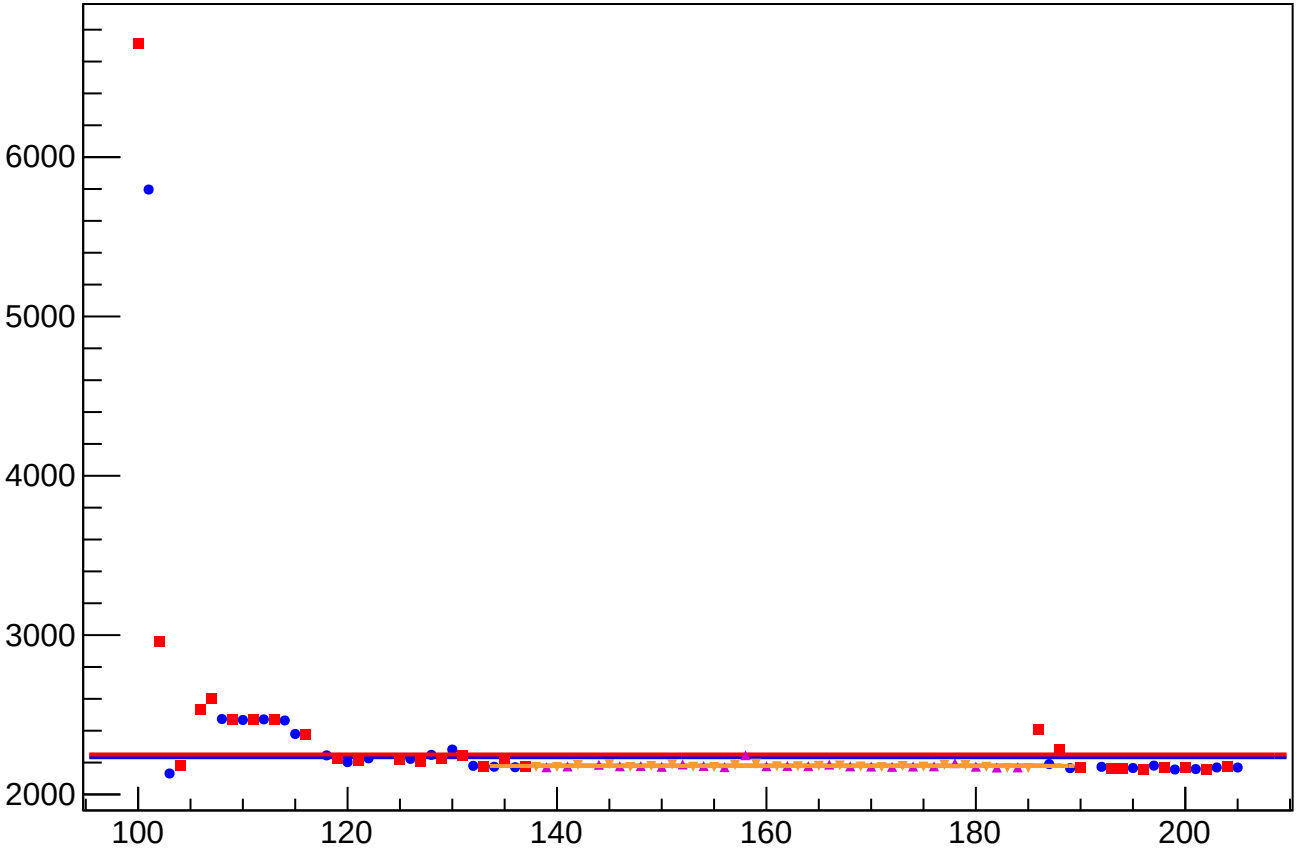
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -826.588+/-386.714 χ^2/NDF: 42.9/48

All: -135.696+/-272.442 χ^2/NDF: 94.2/99

- sign 545.122+/-383.884 χ^2/NDF: 45.0/50

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

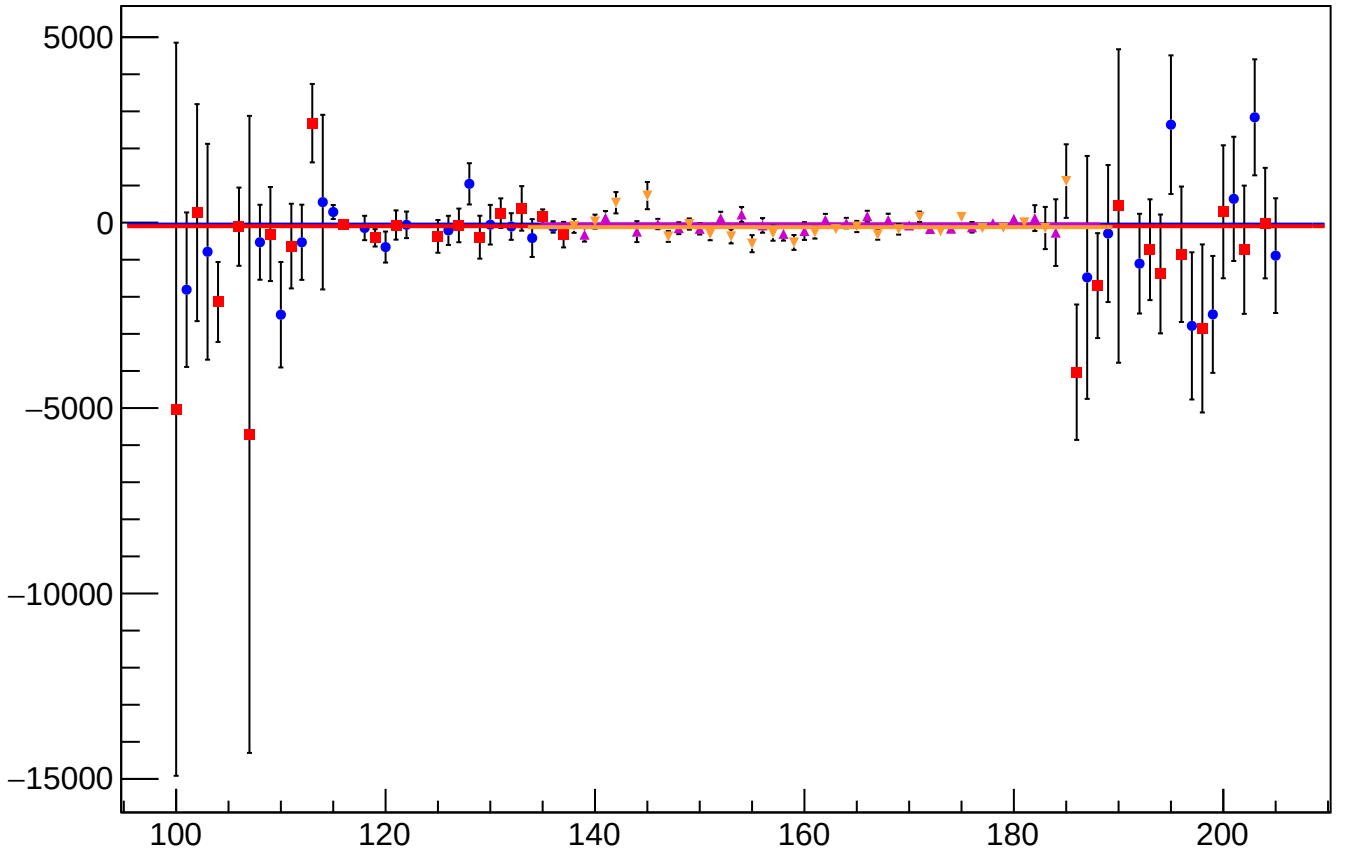
Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2201.255+/-0.273 χ^2/NDF: 551244.5/48

All: 2206.207+/-0.193 χ^2/NDF: 761477.0/99

- sign 2211.087+/-0.271 χ^2/NDF: 209581.5/50



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

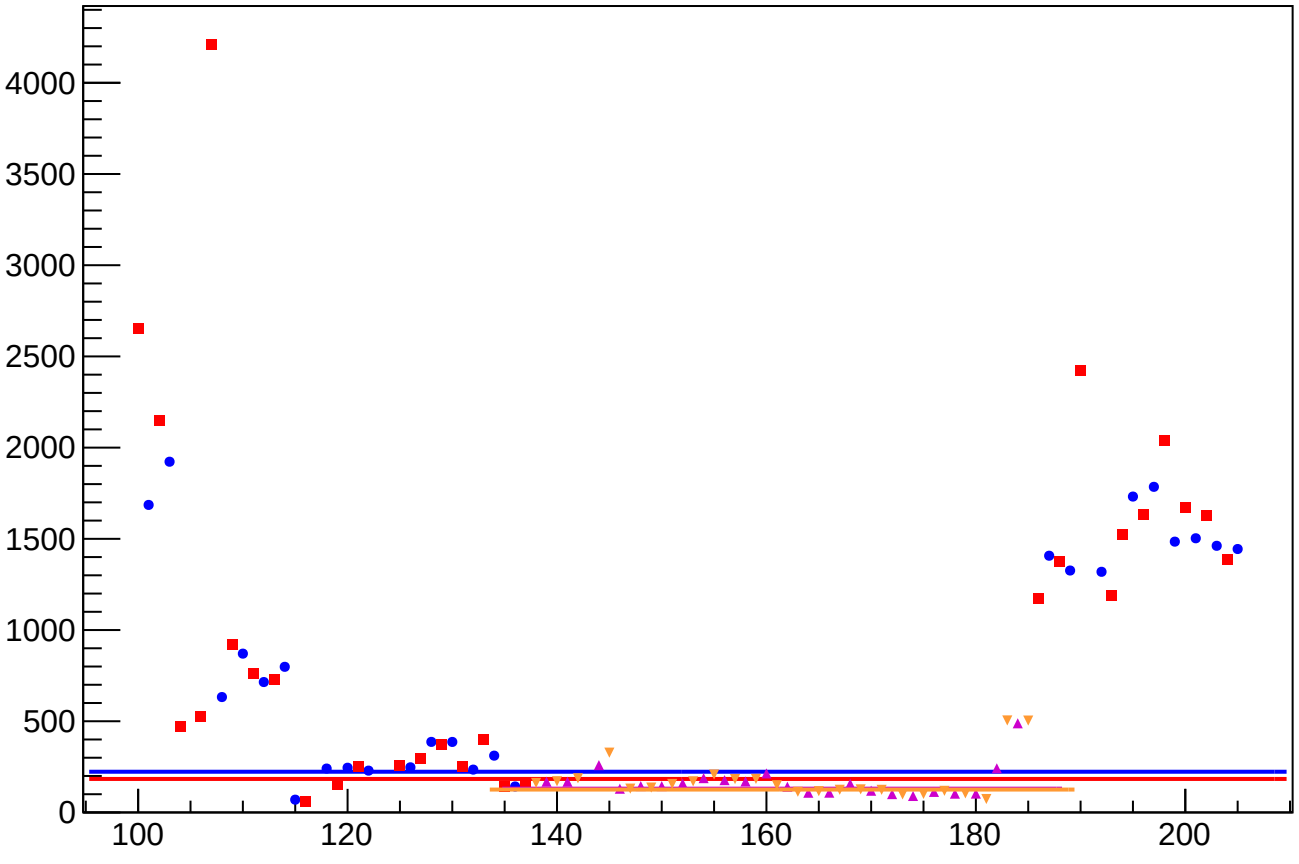
Right Out: -96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.300+/-29.647 χ^2/NDF: 69.7/48

All: -86.522+/-21.164 χ^2/NDF: 116.3/99

- sign -56.617+/-30.221 χ^2/NDF: 44.7/50



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

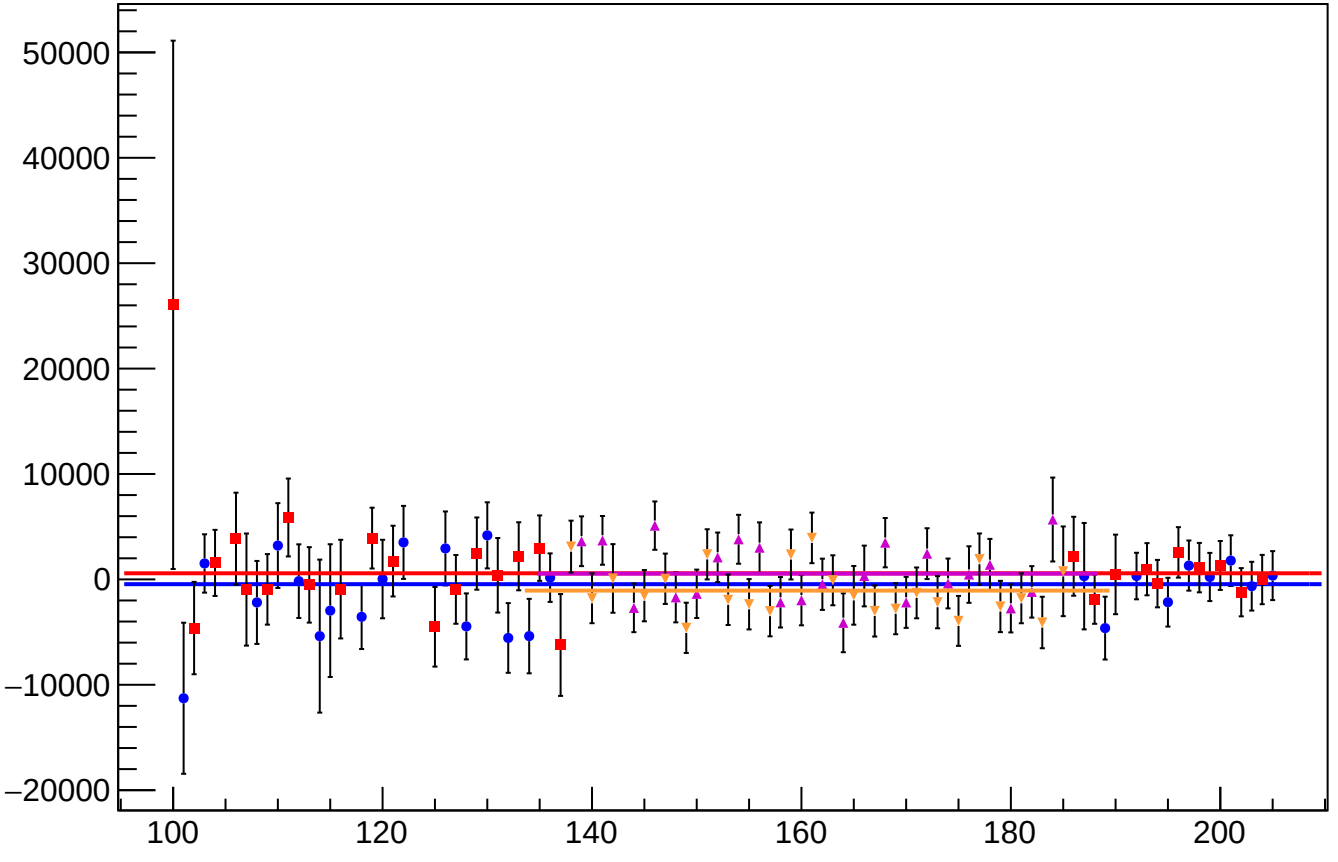
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 136.156+/-0.021 χ^2/NDF: 21156532.3/48

All: 136.959+/-0.015 χ^2/NDF: 42685523.0/99

- sign 137.795+/-0.021 χ^2/NDF: 21525992.0/50

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 578.974+/-585.965 χ^2/NDF: 15.3/27

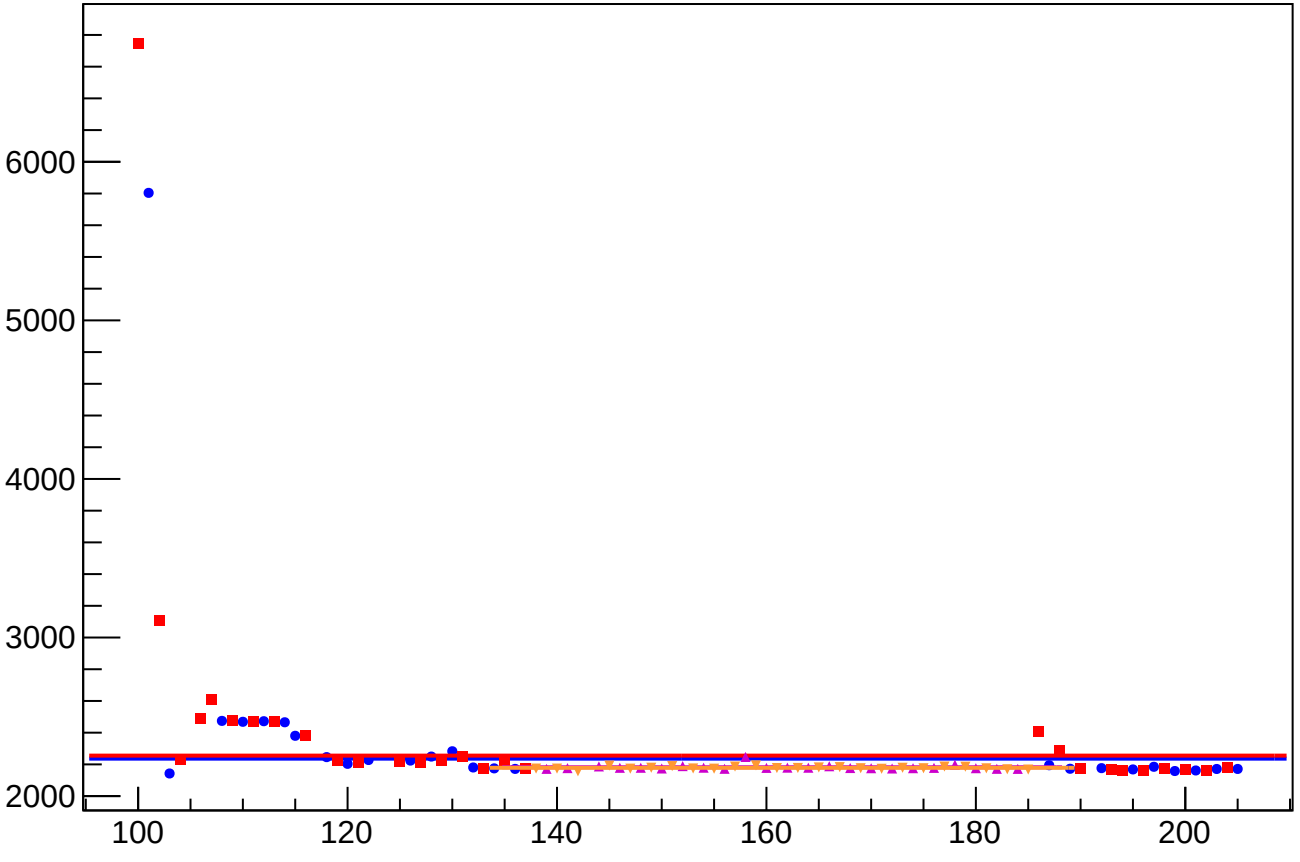
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -810.352+/-386.945 χ^2/NDF: 42.7/48

All: -121.151+/-272.727 χ^2/NDF: 92.2/99

- sign 559.203+/-384.454 χ^2/NDF: 43.2/50

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.1/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

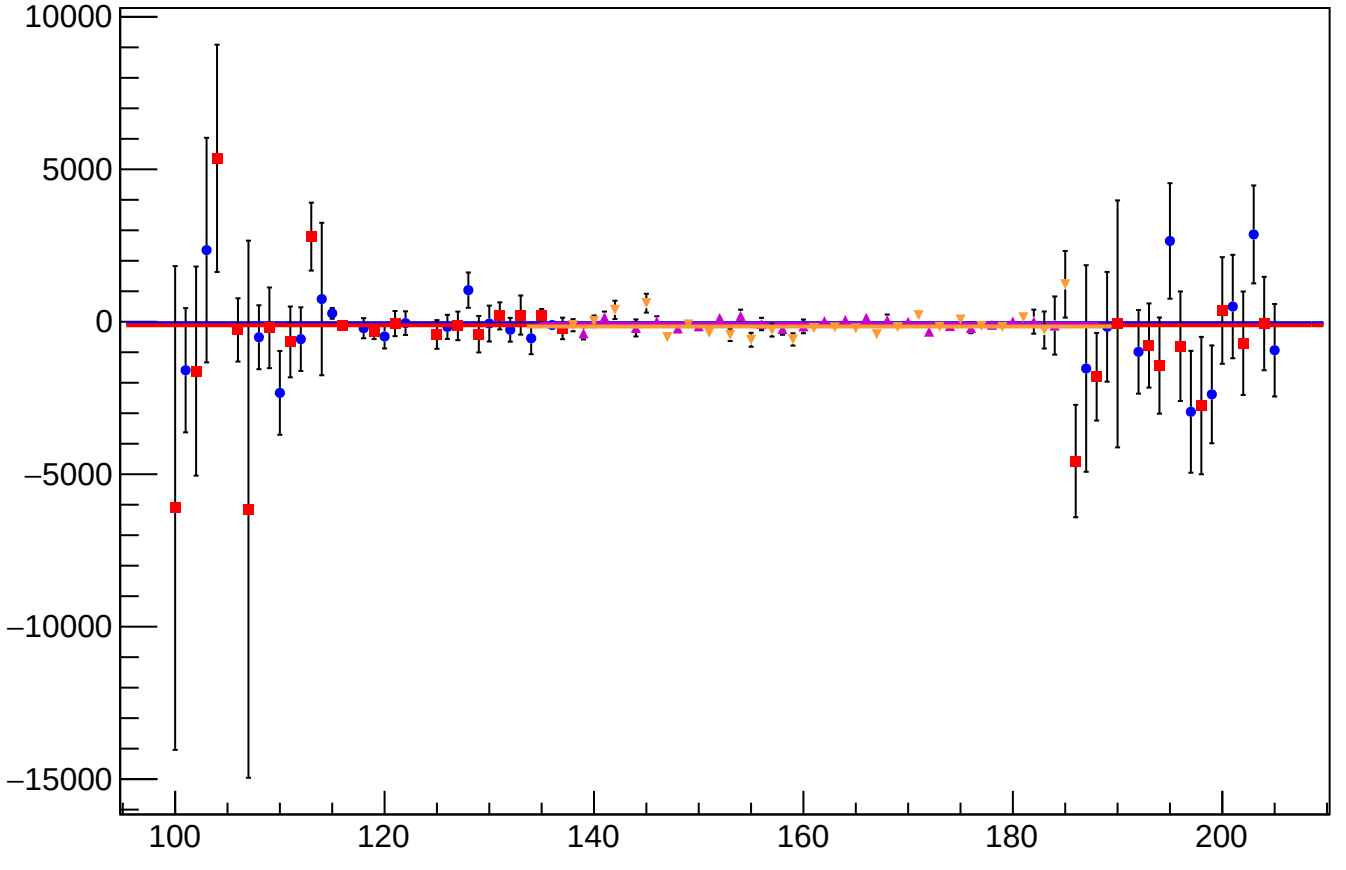
Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.2/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2202.435+/-0.274 χ^2/NDF: 551385.3/48

All: 2207.990+/-0.193 χ^2/NDF: 778721.4/99

- sign 2213.474+/-0.272 χ^2/NDF: 226516.9/50



Right In: -45.407+/-91.242 χ^2/NDF: 24.7/24

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

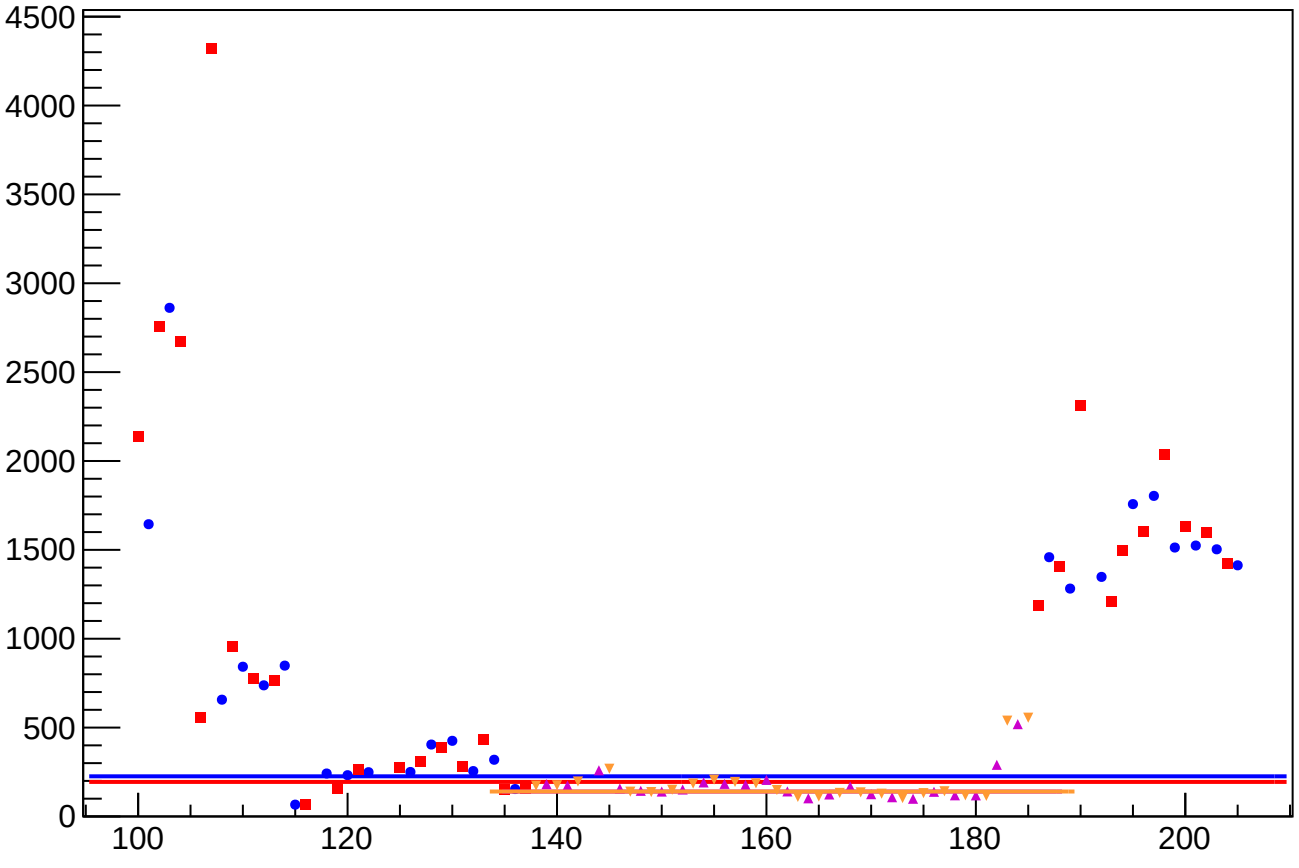
Right Out: -114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

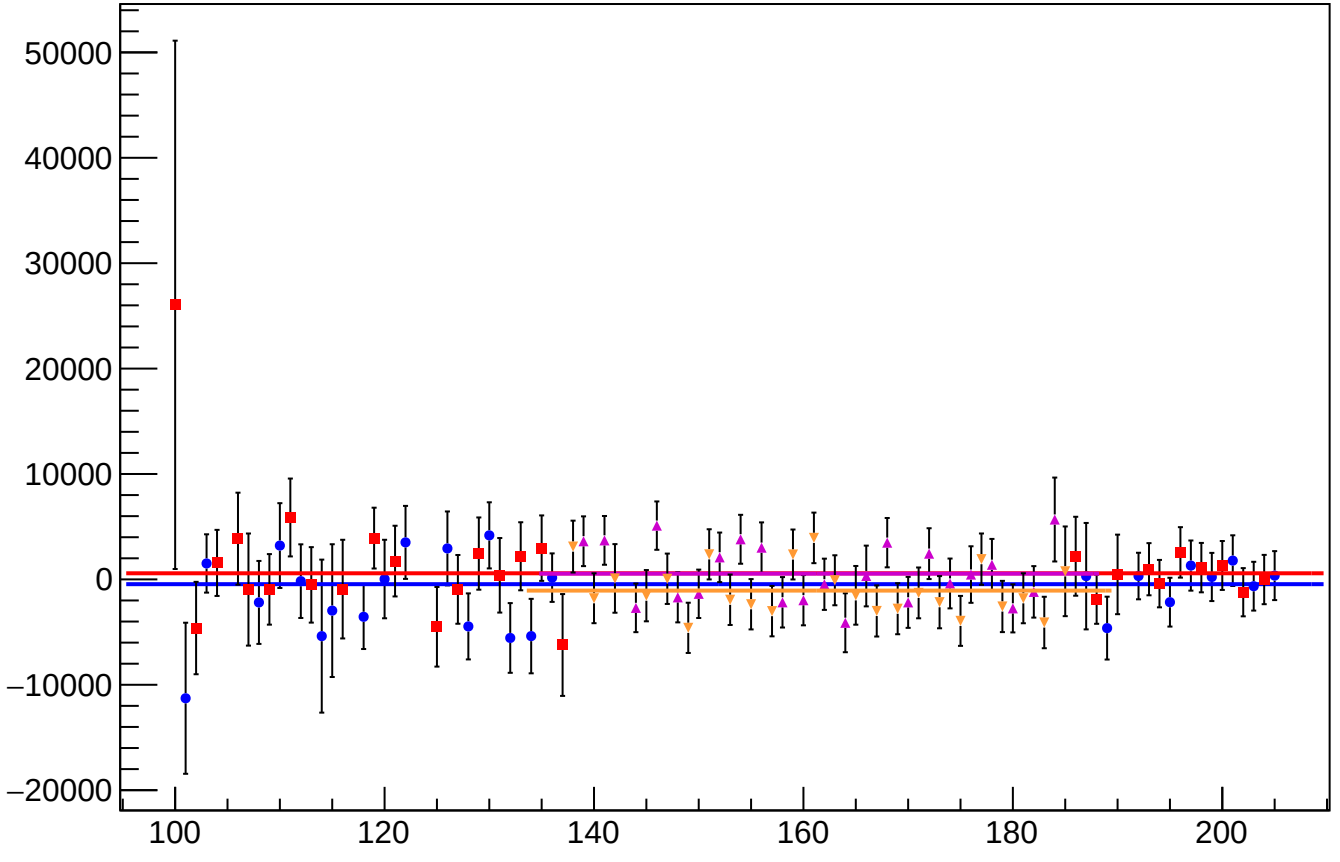
+ sign -141.354+/-31.910 χ^2/NDF: 73.3/48

All: -108.639+/-22.501 χ^2/NDF: 119.5/99

- sign -76.285+/-31.733 χ^2/NDF: 44.1/50


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 225.826+/-0.065 χ²/NDF: 15661768.2/24
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 194.316+/-0.060 χ²/NDF: 18919748.6/27
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 150.777+/-0.023 χ²/NDF: 19963709.4/48
All: 149.153+/-0.016 χ²/NDF: 42009181.3/99
- sign 147.546+/-0.022 χ²/NDF: 22035165.0/50

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 578.972+/-585.965 χ^2/NDF: 15.3/27

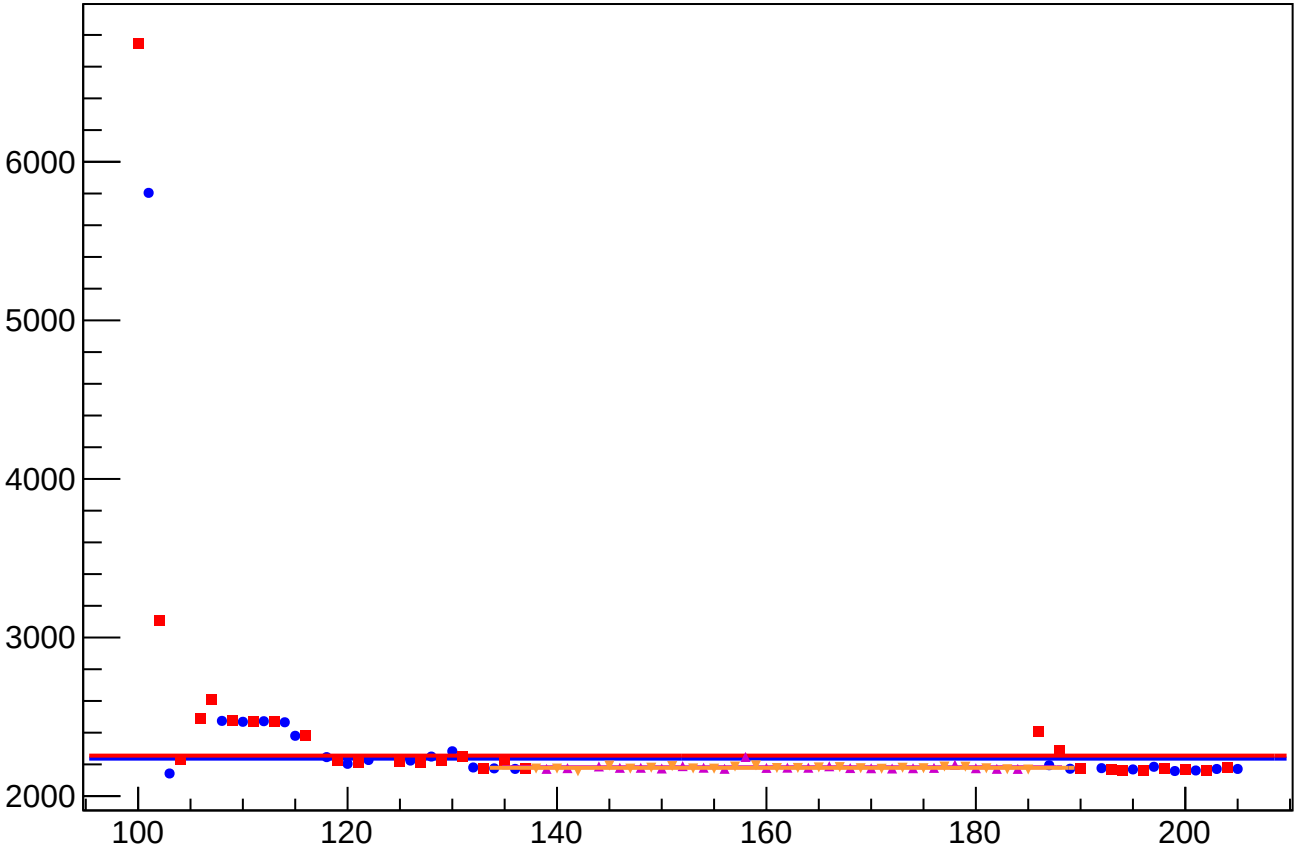
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -810.352+/-386.945 χ^2/NDF: 42.7/48

All: -121.152+/-272.727 χ^2/NDF: 92.2/99

- sign 559.202+/-384.454 χ^2/NDF: 43.2/50

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.2/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

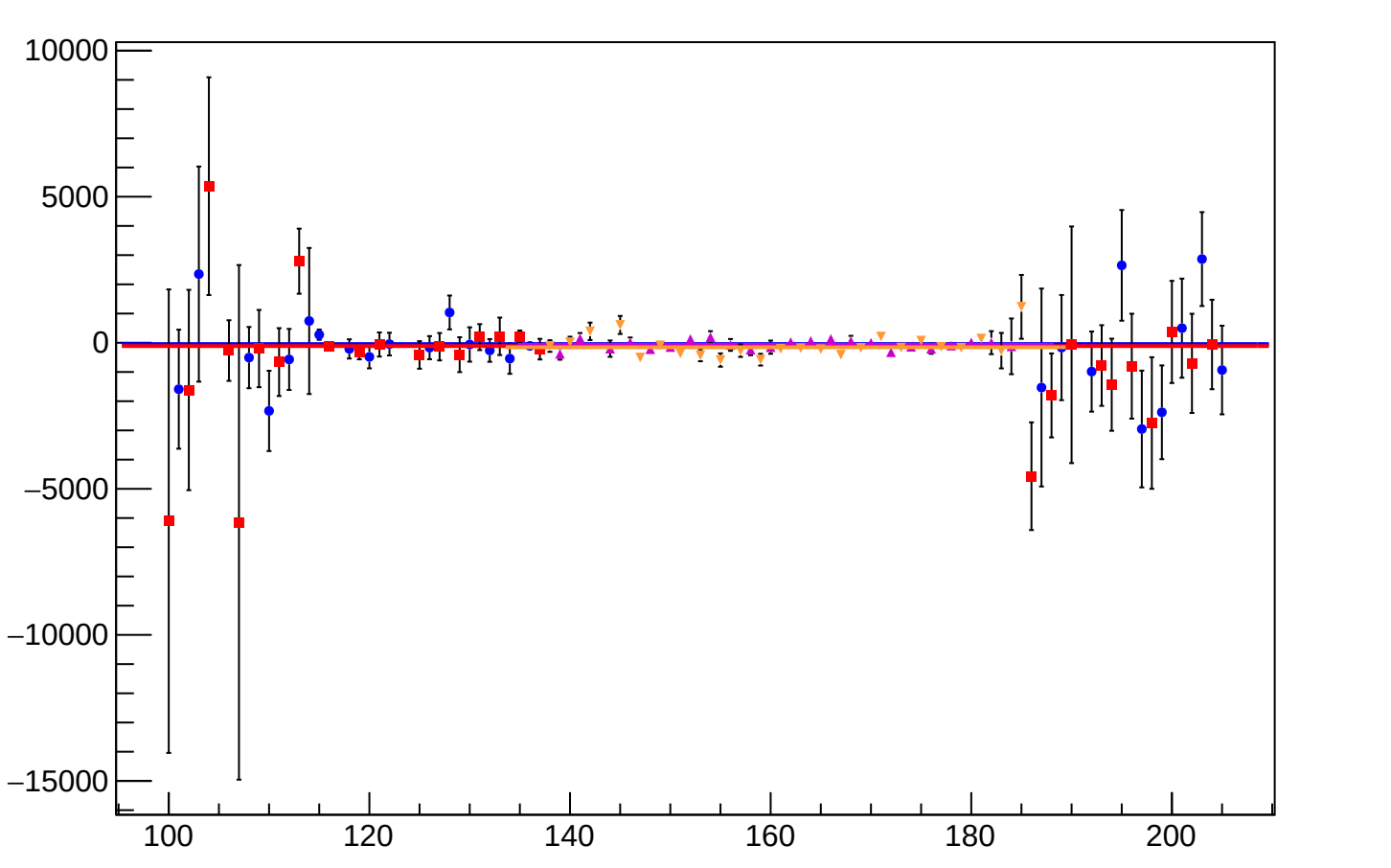
Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.1/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2202.435+/-0.274 χ^2/NDF: 551385.3/48

All: 2207.990+/-0.193 χ^2/NDF: 778721.3/99

- sign 2213.474+/-0.272 χ^2/NDF: 226516.8/50



Right In: -45.404+/-91.241 χ^2/NDF: 24.7/24

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

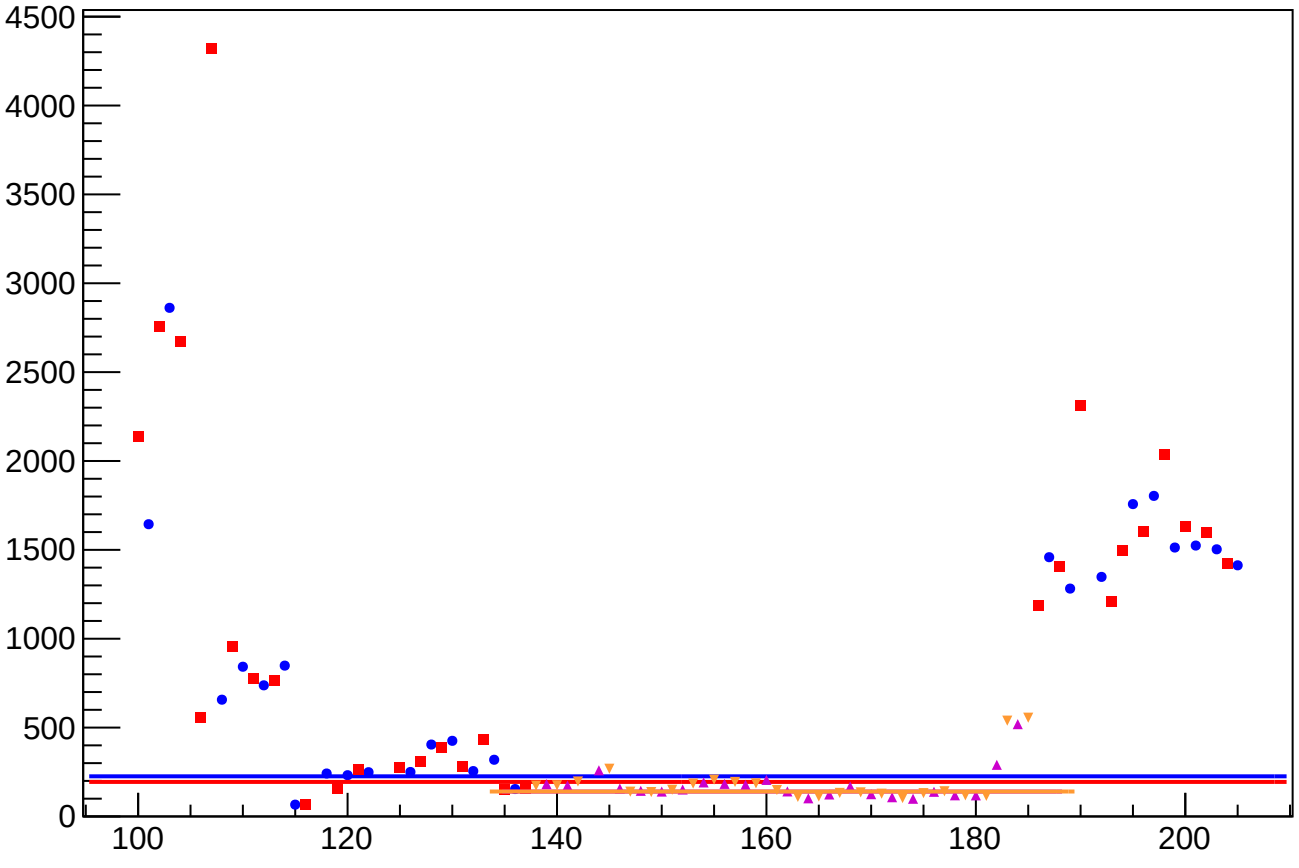
Right Out: -114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

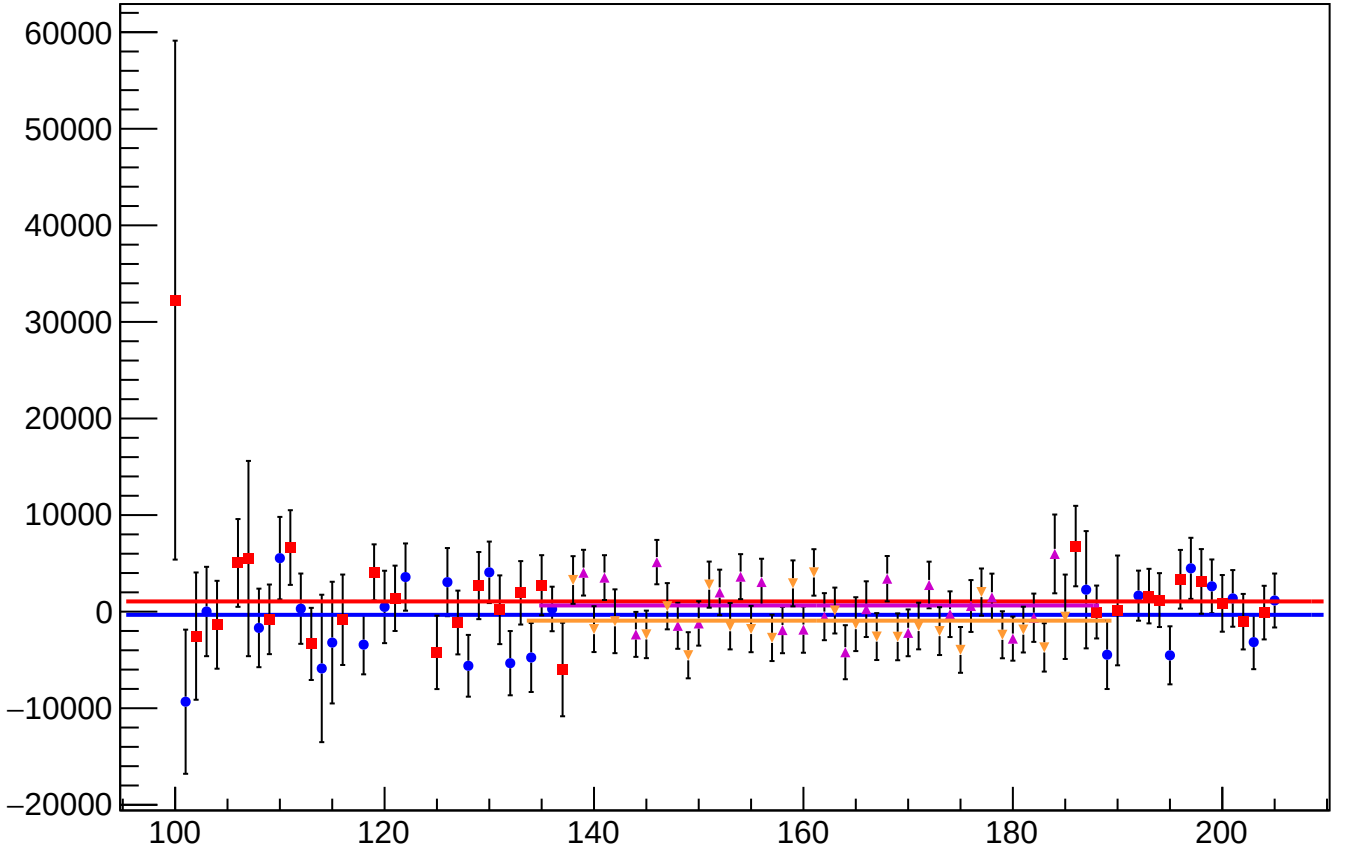
+ sign -141.355+/-31.910 χ^2/NDF: 73.3/48

All: -108.639+/-22.501 χ^2/NDF: 119.5/99

- sign -76.284+/-31.733 χ^2/NDF: 44.1/50


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 225.823+/-0.065 χ²/NDF: 15661850.6/24
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 194.313+/-0.060 χ²/NDF: 18919855.6/27
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 150.777+/-0.023 χ²/NDF: 19963695.0/48
All: 149.153+/-0.016 χ²/NDF: 42009262.9/99
- sign 147.546+/-0.022 χ²/NDF: 22035259.2/50

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -329.034+/-680.641 χ^2/NDF: 25.1/24

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1059.198+/-674.275 χ^2/NDF: 16.8/27

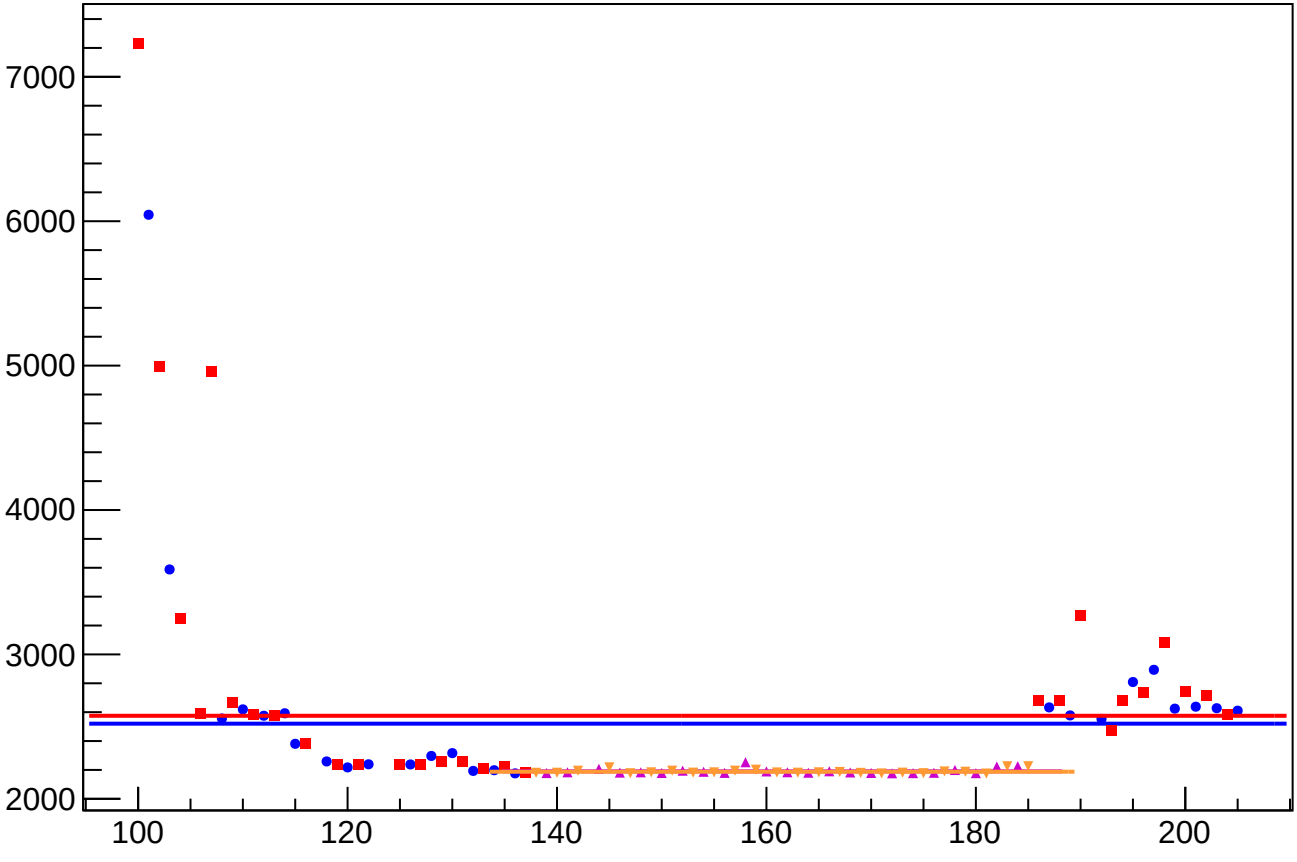
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -716.440+/-406.965 χ^2/NDF: 48.0/48

All: 38.299+/-287.939 χ^2/NDF: 98.9/99

- sign 794.831+/-407.448 χ^2/NDF: 44.0/50

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2520.340+/-0.481 χ^2/NDF: 765873.4/24

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

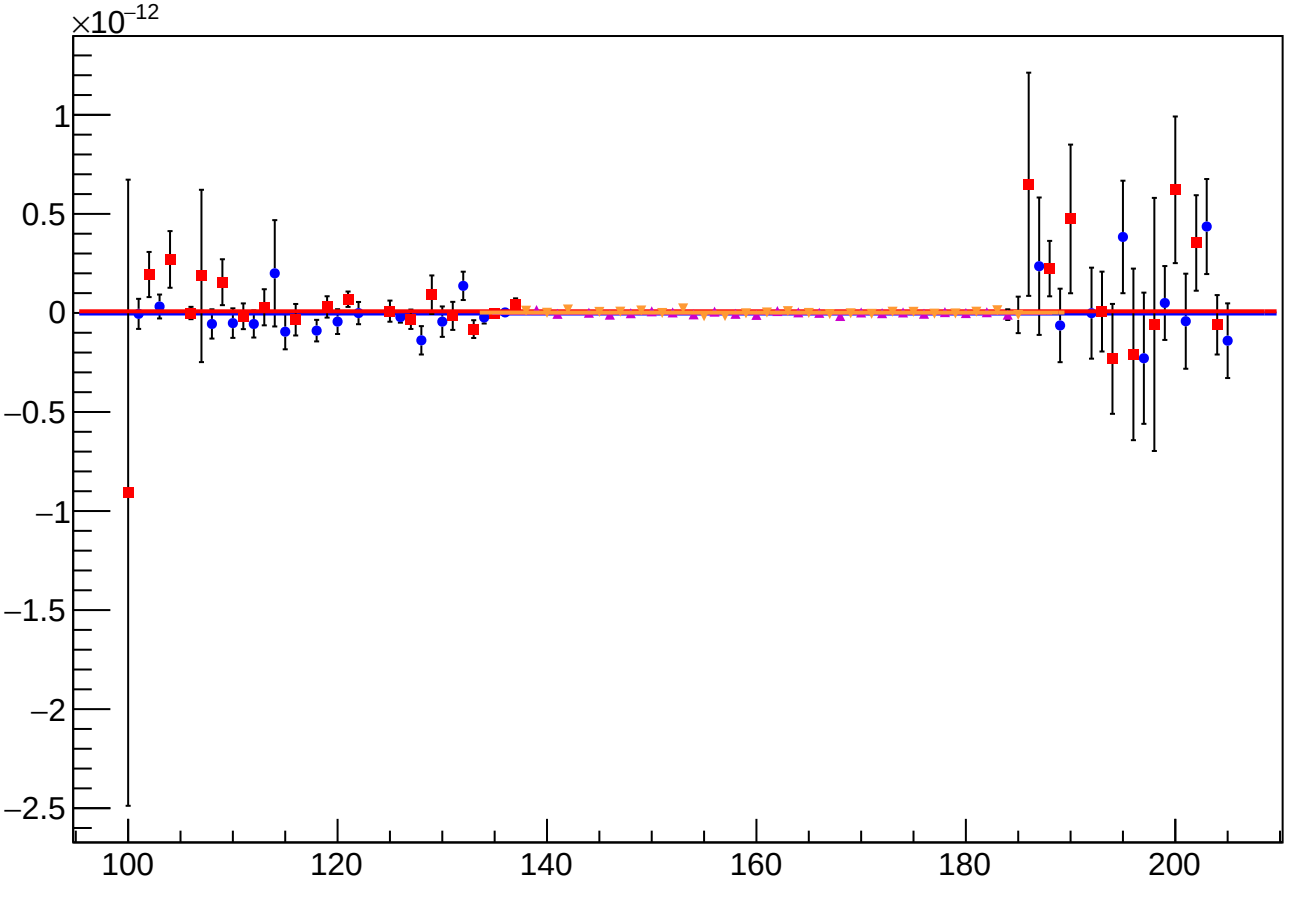
Right Out: 2574.972+/-0.477 χ^2/NDF: 771846.1/27

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2306.568+/-0.288 χ^2/NDF: 1074276.1/48

All: 2318.608+/-0.204 χ^2/NDF: 2265710.5/99

- sign 2330.676+/-0.288 χ^2/NDF: 1187929.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

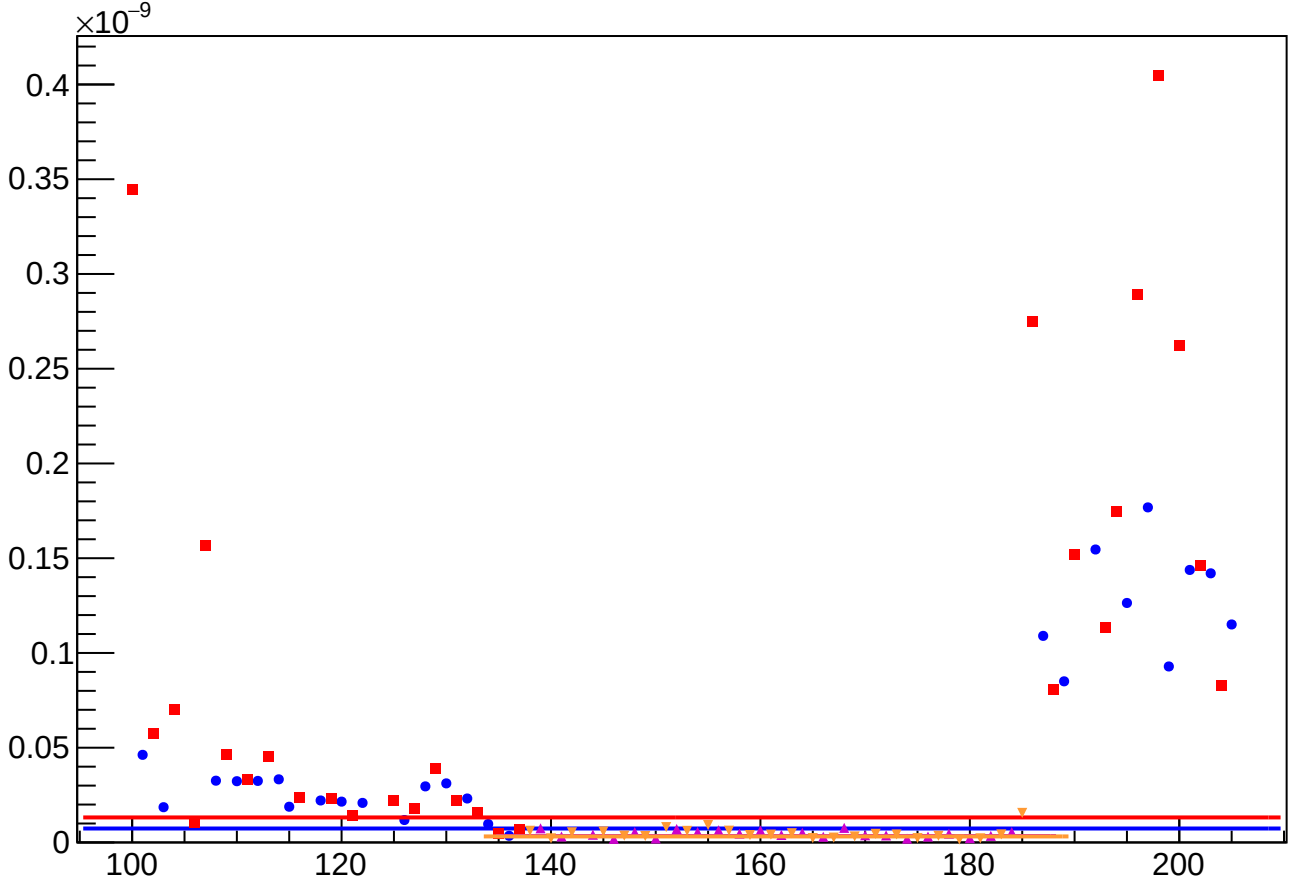
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/27

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/48

All: 0.000+/-0.000 χ^2/NDF: 86.9/99

- sign 0.000+/-0.000 χ^2/NDF: 44.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 7455122.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

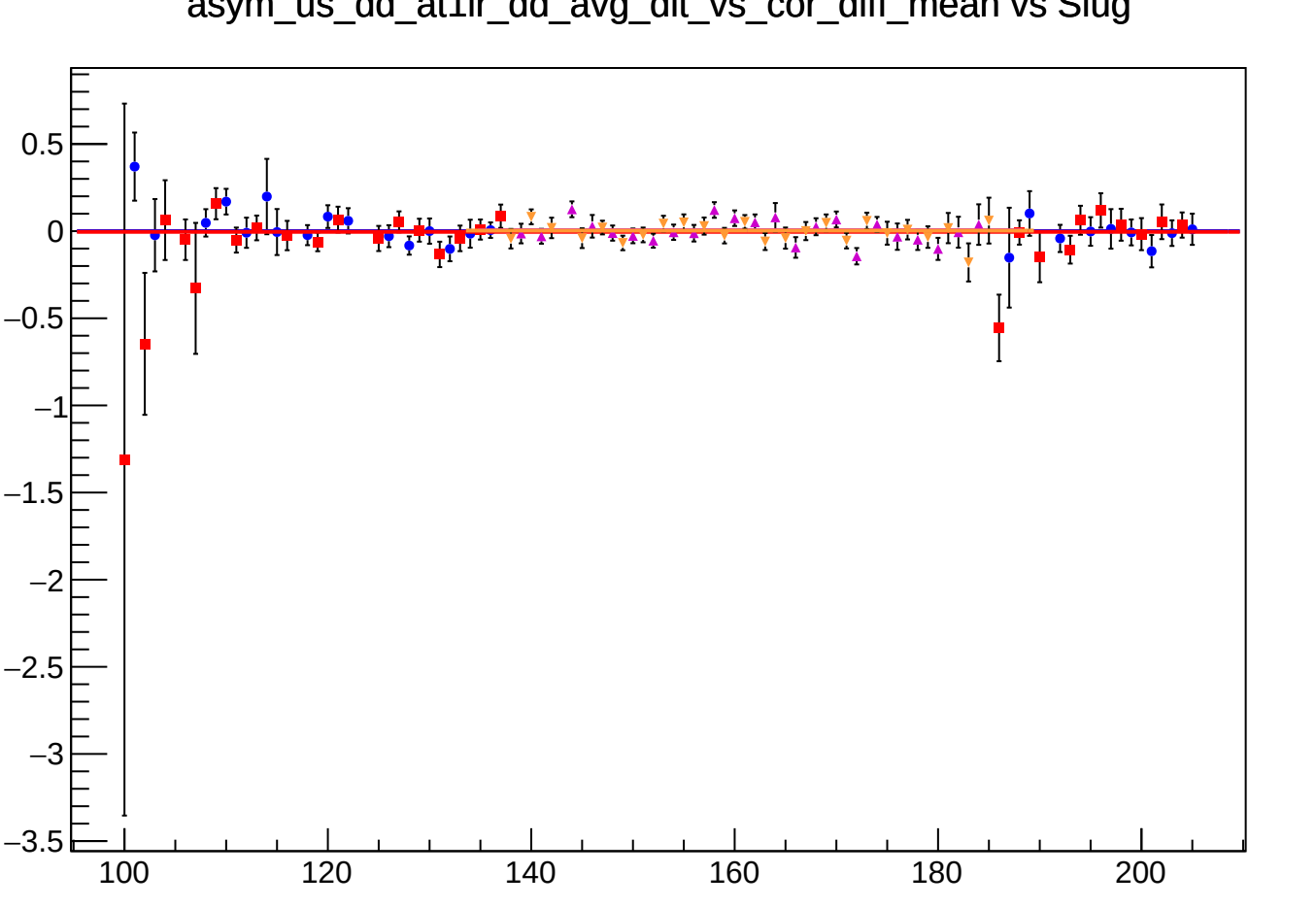
Right Out: 0.000+/-0.000 χ^2/NDF: 8620090.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10359782.0/48

All: 0.000+/-0.000 χ^2/NDF: 22708138.1/99

- sign 0.000+/-0.000 χ^2/NDF: 12319850.8/50



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

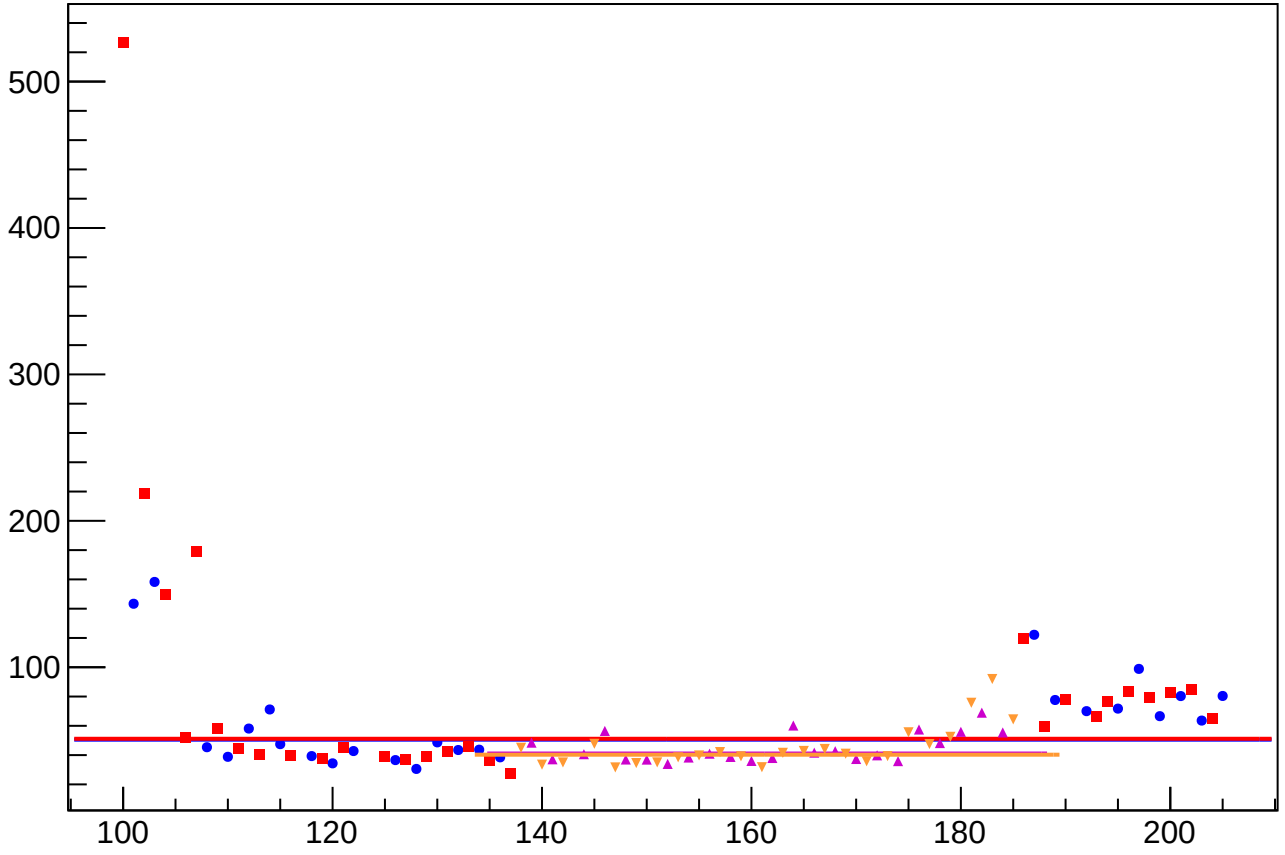
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.002+/-0.006 χ^2/NDF: 113.9/99

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

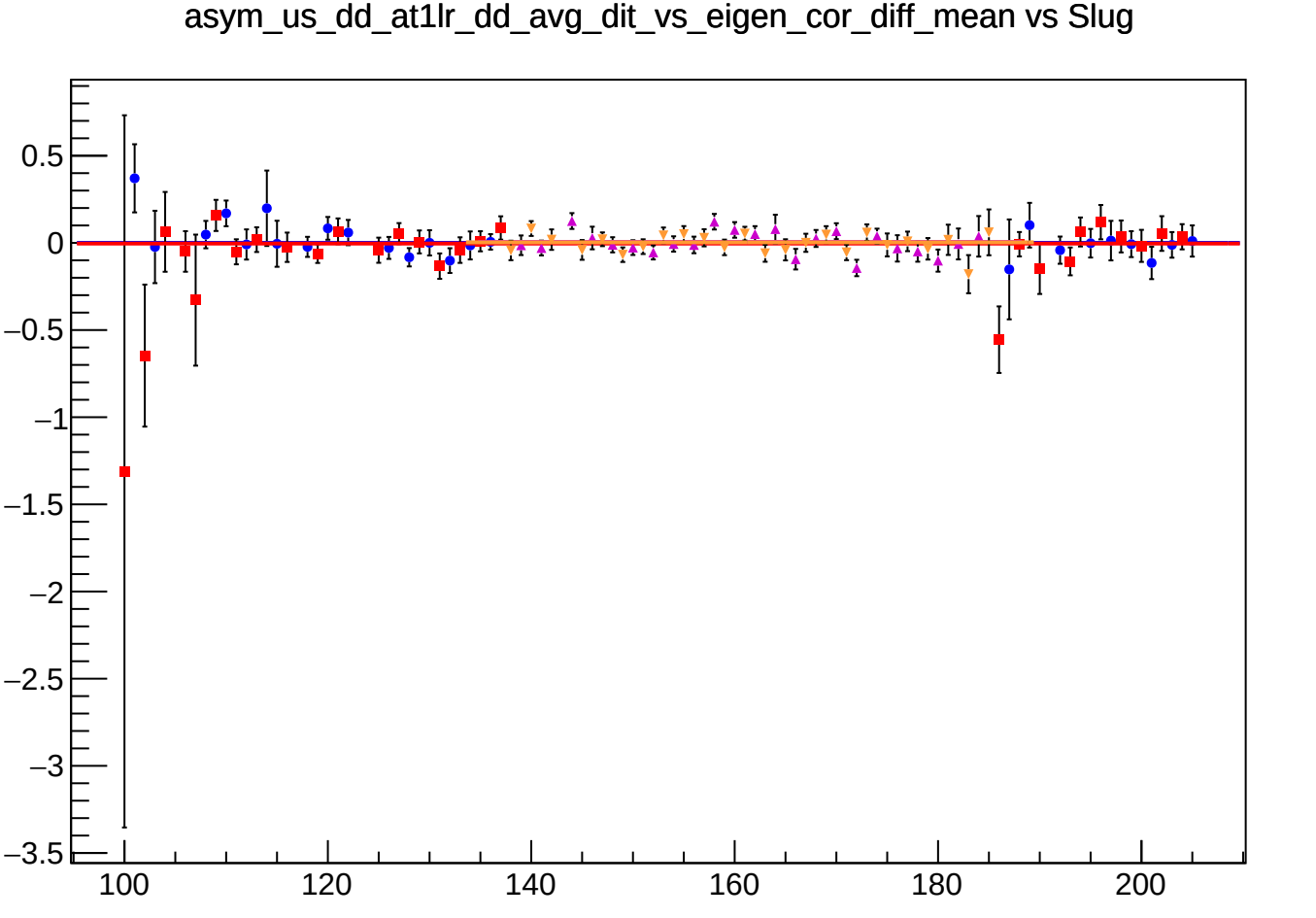
Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.403+/-0.006 χ^2/NDF: 5382436.5/48

All: 43.820+/-0.004 χ^2/NDF: 10408987.6/99

- sign 44.246+/-0.006 χ^2/NDF: 5017153.4/50



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

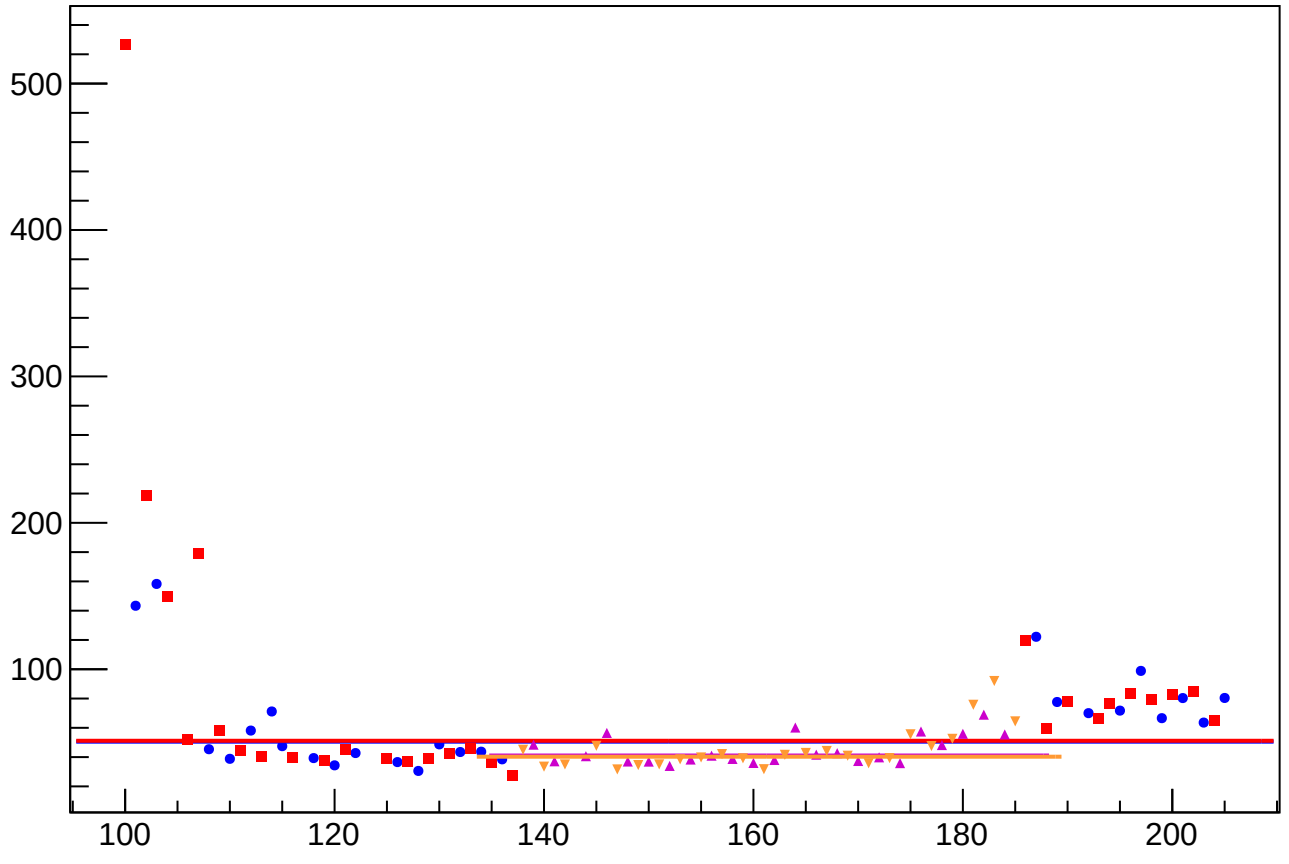
Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.002+/-0.006 χ^2/NDF: 113.9/99

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

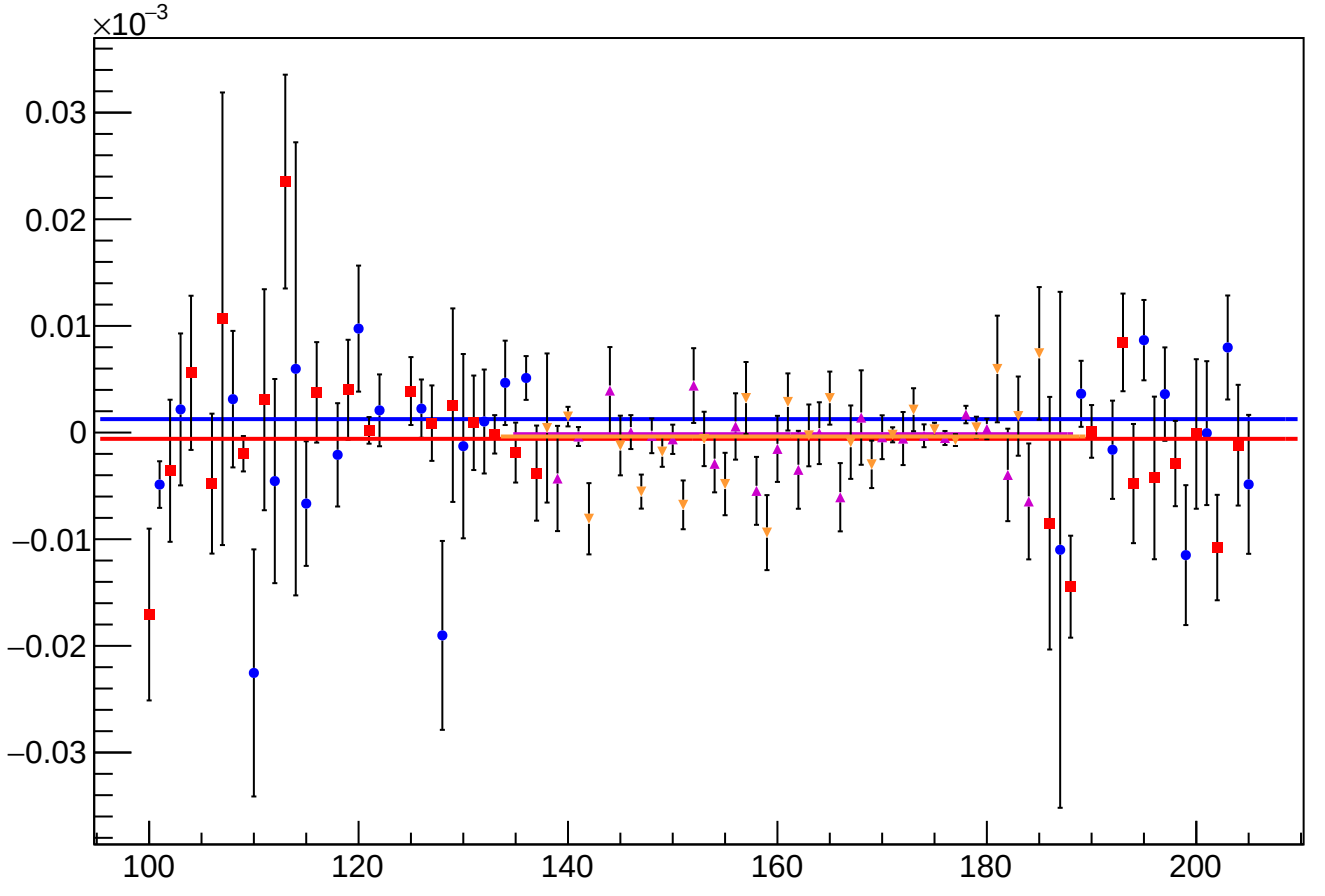
Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

\+ sign 43.403+/-0.006 χ^2/NDF: 5382436.5/48

All: 43.820+/-0.004 χ^2/NDF: 10408987.6/99

\- sign 44.246+/-0.006 χ^2/NDF: 5017153.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 38.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

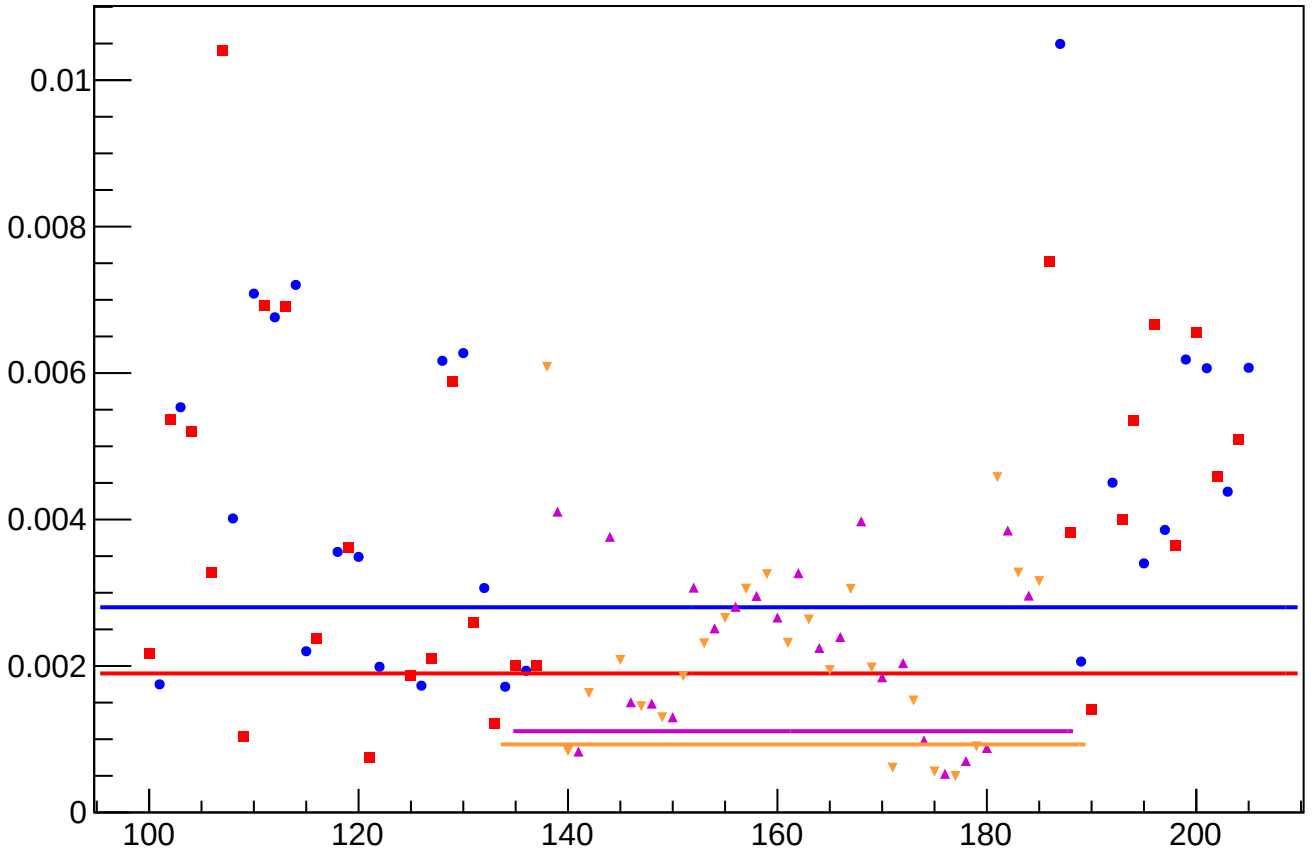
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/27

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.2/48

All: -0.000+/-0.000 χ^2/NDF: 149.5/99

- sign -0.000+/-0.000 χ^2/NDF: 56.3/50



Right In: 0.003+/-0.000 χ^2/NDF: 5646076.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

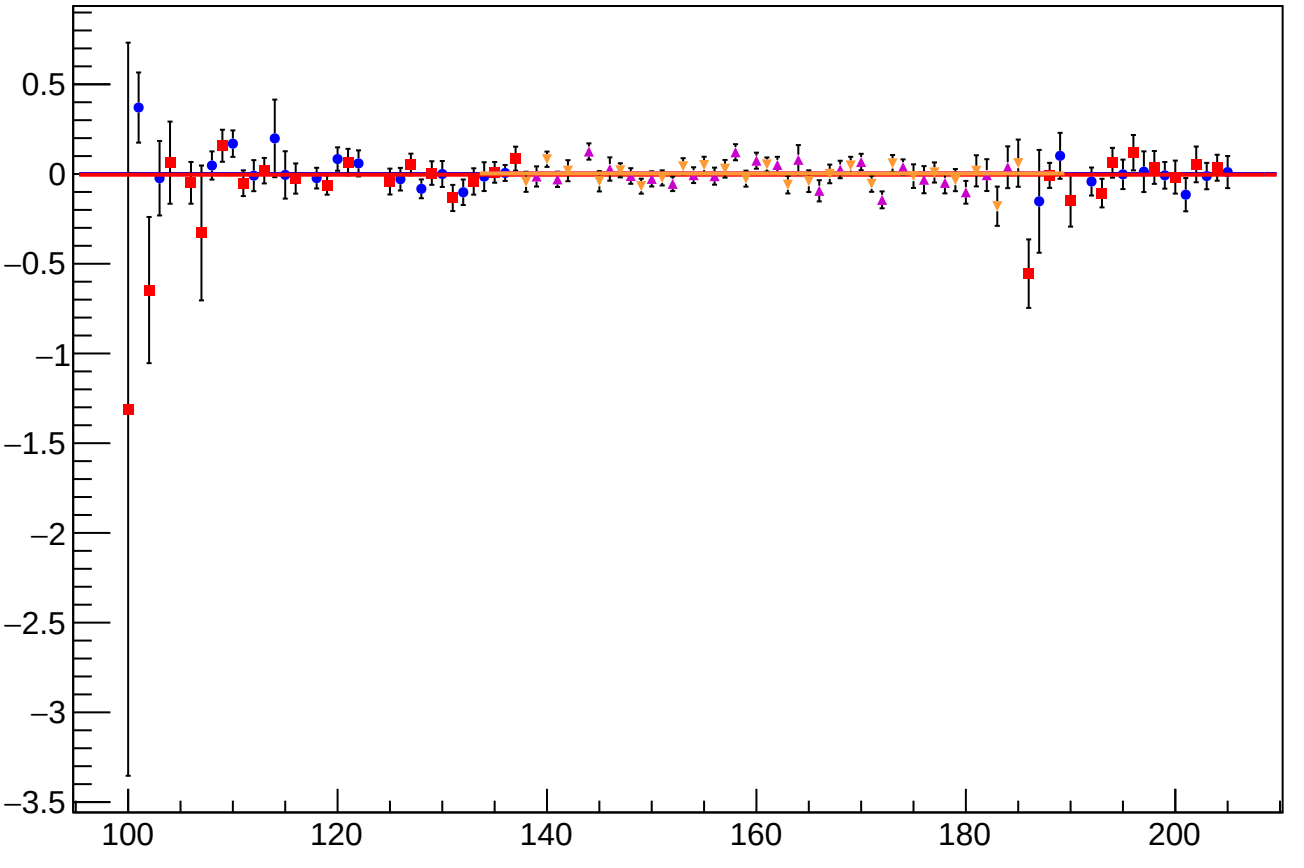
Right Out: 0.002+/-0.000 χ^2/NDF: 10900976.6/27

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 26802717.3/48

All: 0.001+/-0.000 χ^2/NDF: 51349350.7/99

- sign 0.001+/-0.000 χ^2/NDF: 24220349.1/50



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

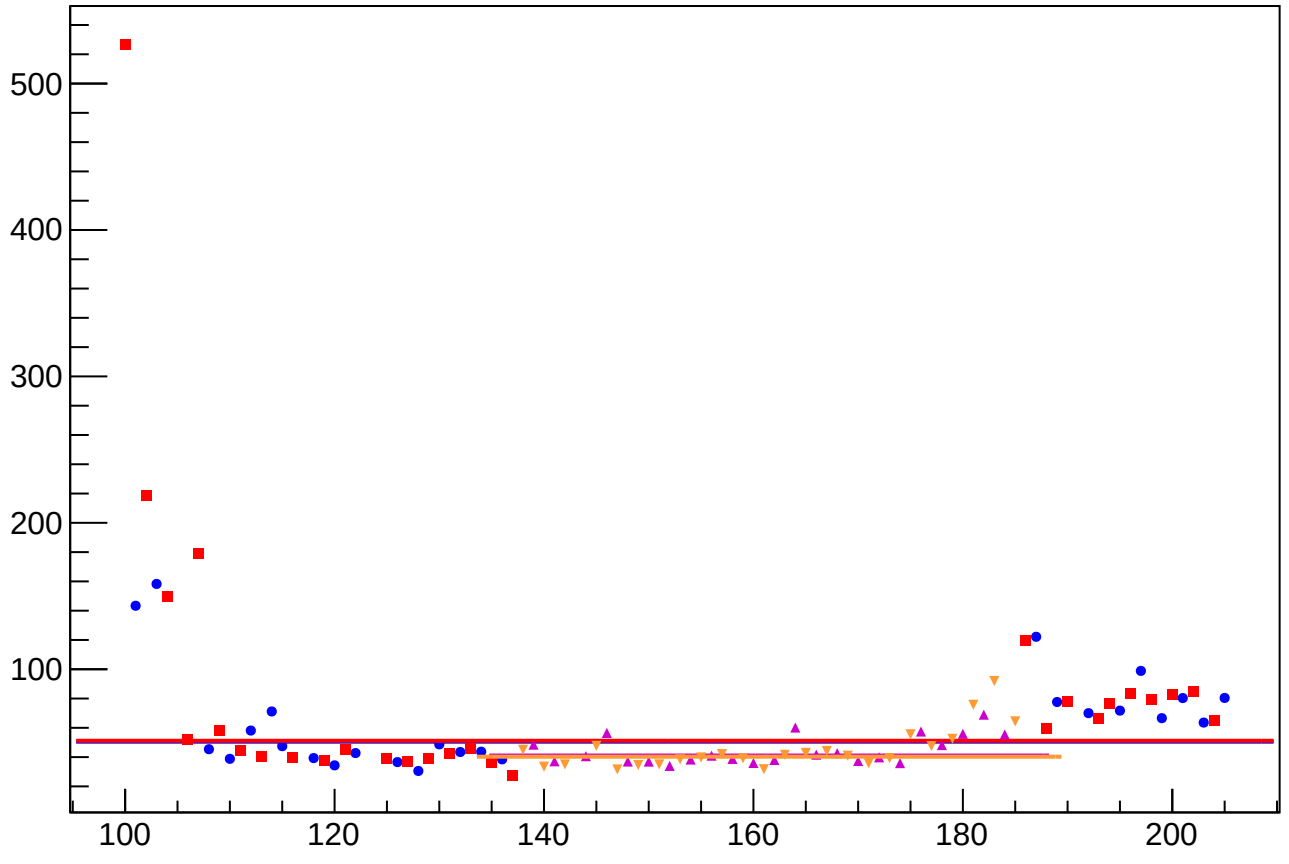
Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.002+/-0.006 χ^2/NDF: 113.9/99

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

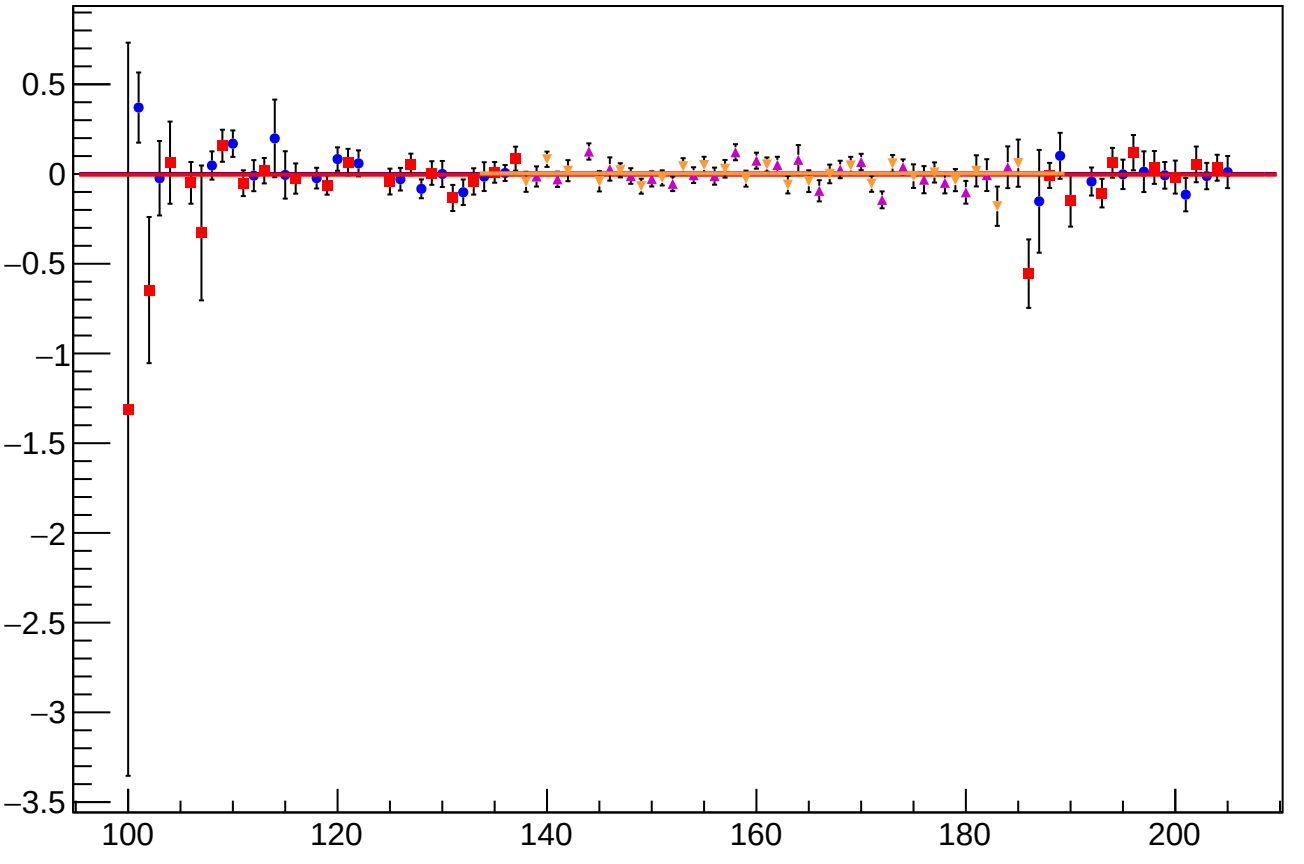
Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

\+ sign 43.403+/-0.006 χ^2/NDF: 5382679.5/48

All: 43.820+/-0.004 χ^2/NDF: 10409313.1/99

\- sign 44.247+/-0.006 χ^2/NDF: 5017221.3/50



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

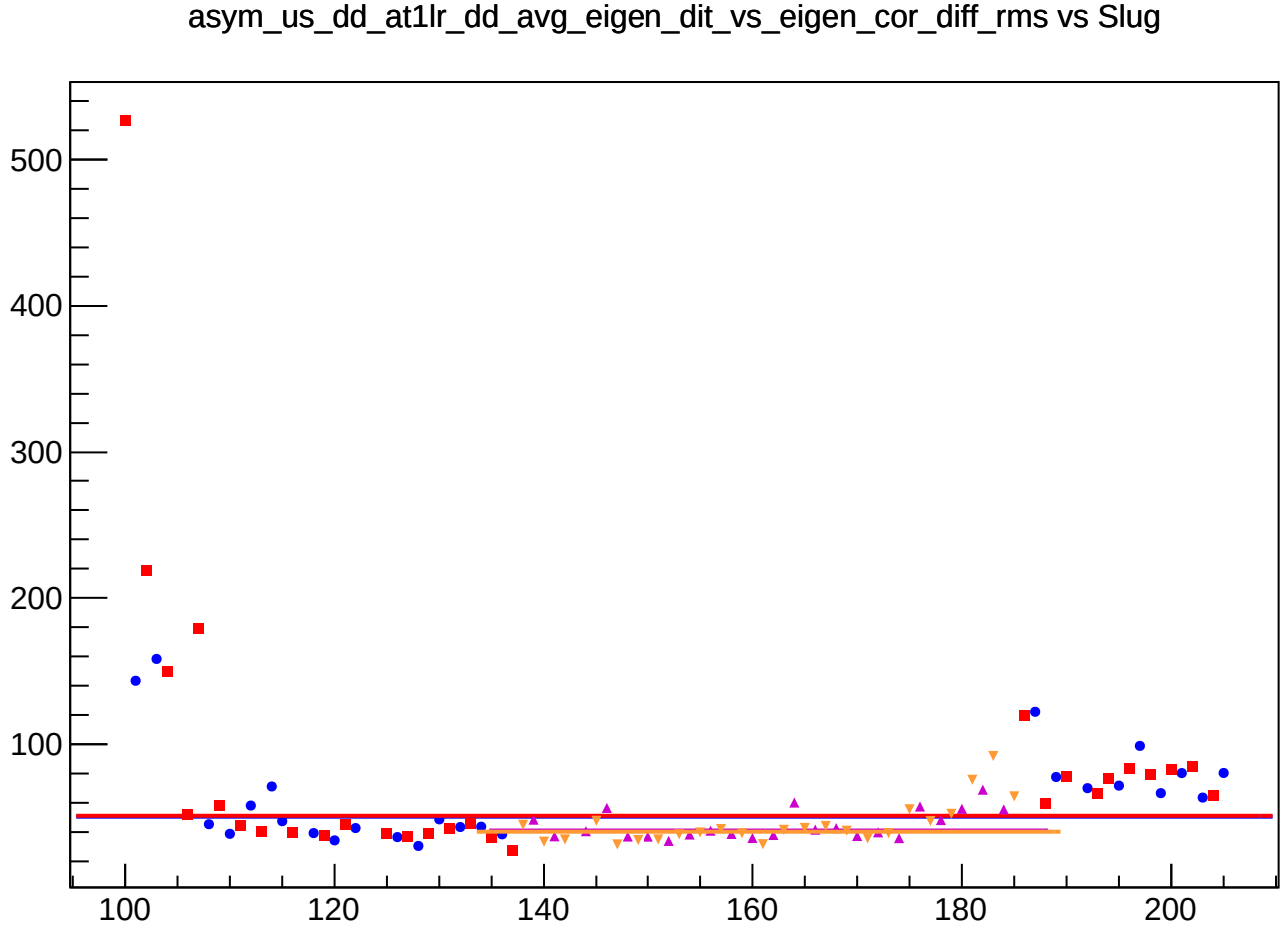
Right Out: -0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.002+/-0.006 χ^2/NDF: 113.9/99

- sign 0.002+/-0.009 χ^2/NDF: 71.9/50



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

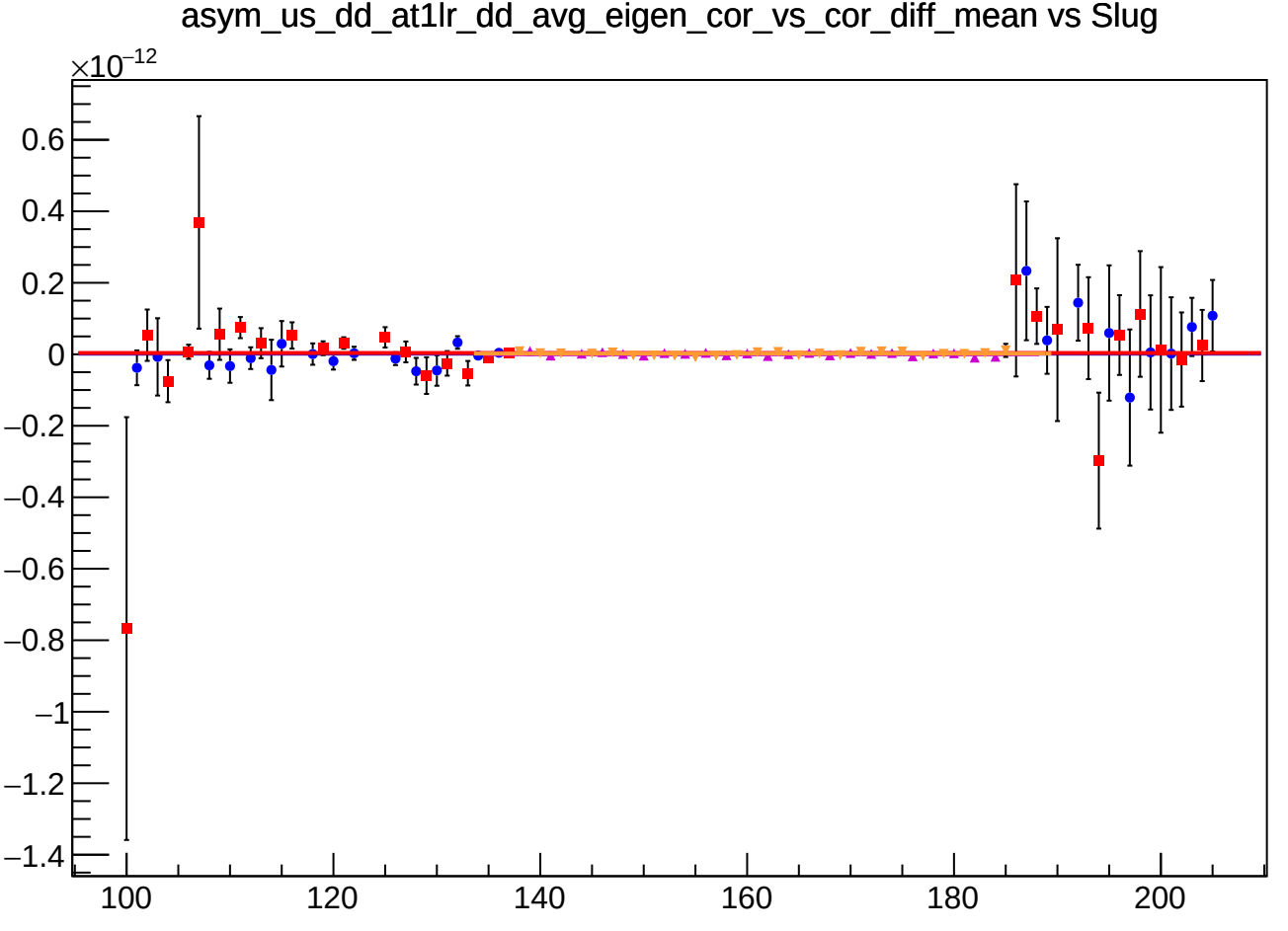
Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.403+/-0.006 χ^2/NDF: 5382679.5/48

All: 43.820+/-0.004 χ^2/NDF: 10409313.1/99

- sign 44.247+/-0.006 χ^2/NDF: 5017221.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

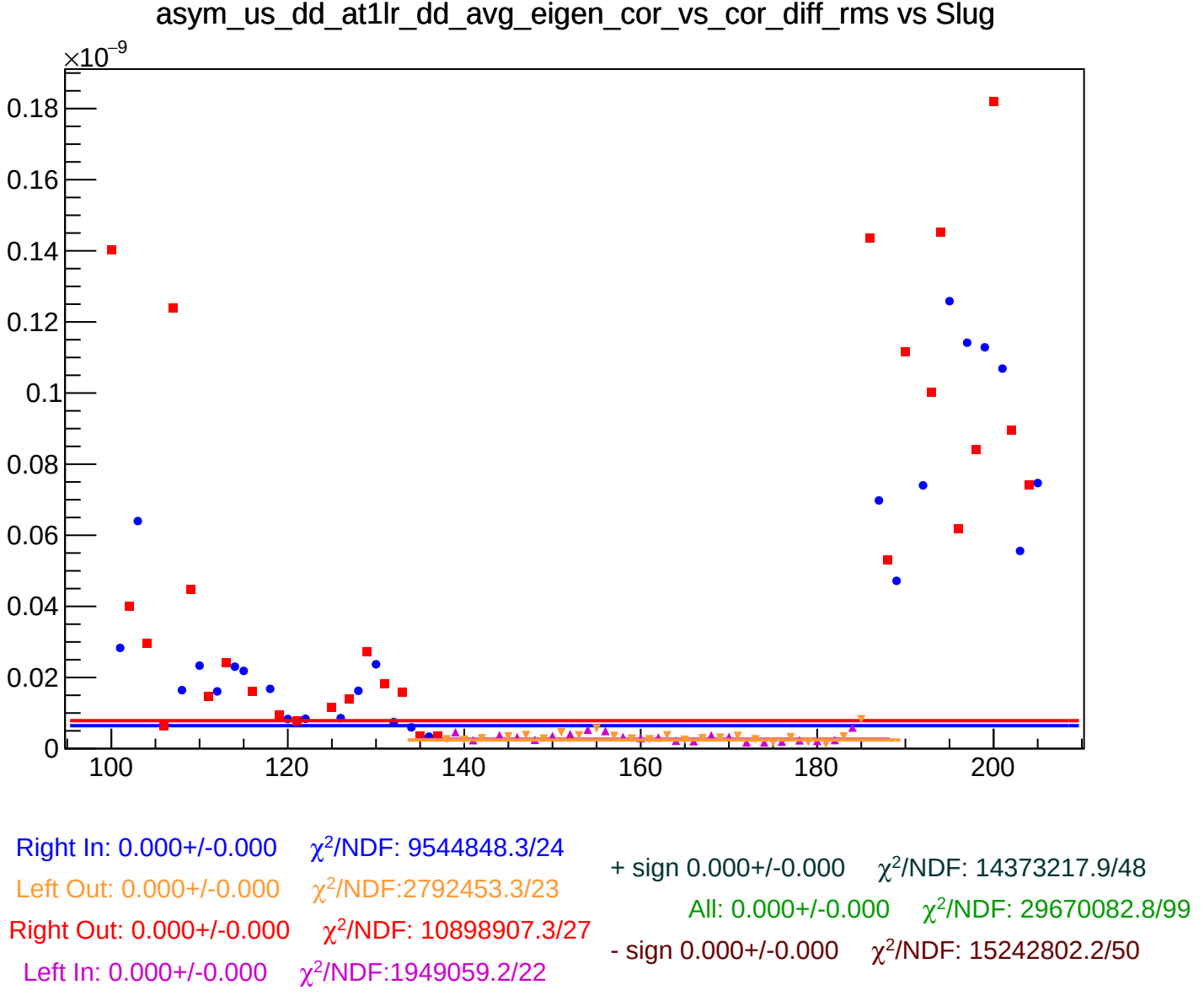
Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

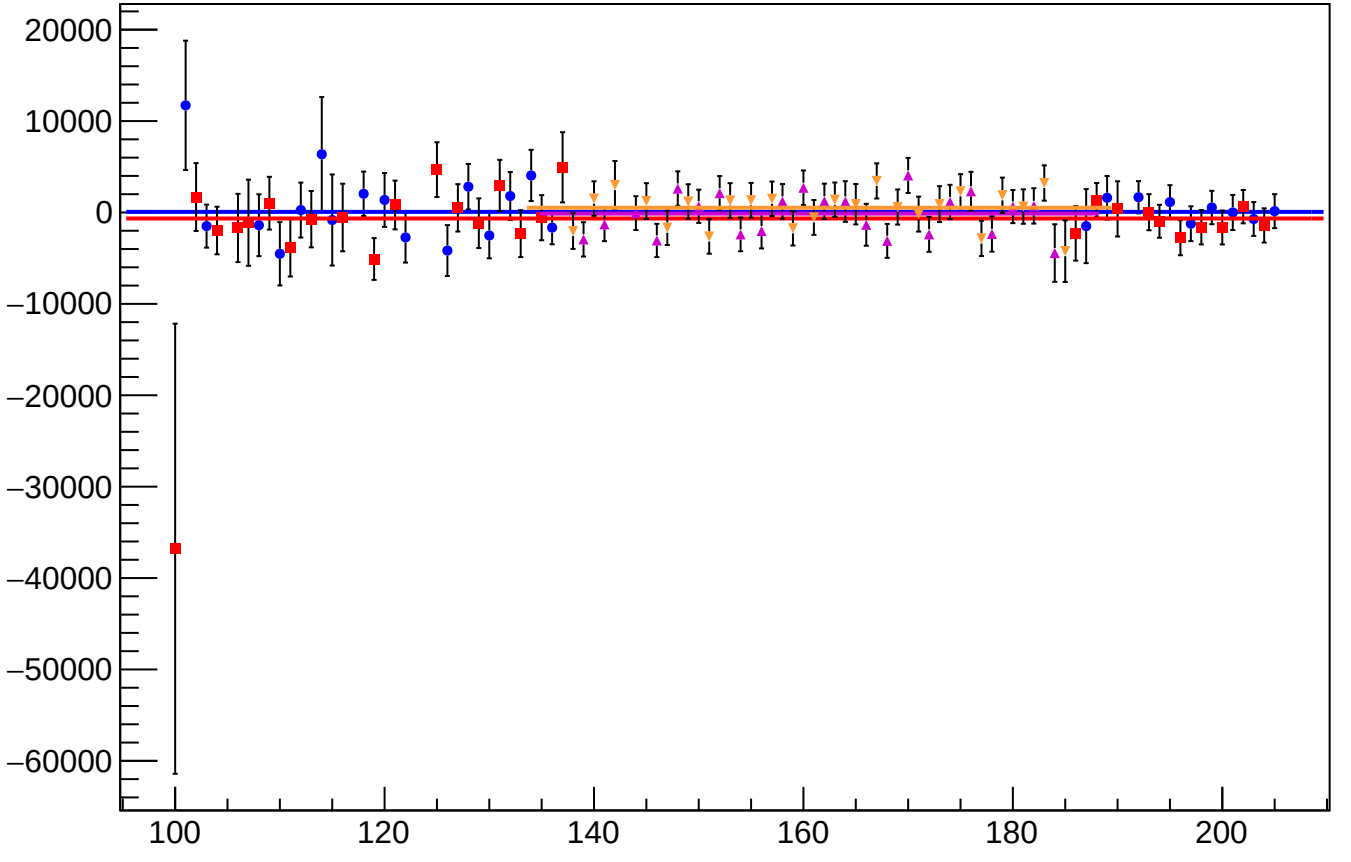
+ sign 0.000+/-0.000 χ^2/NDF: 41.6/48

All: 0.000+/-0.000 χ^2/NDF: 101.8/99

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9544848.3/24
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 10898907.3/27
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 14373217.9/48
All: 0.000+/-0.000 χ²/NDF: 29670082.8/99
- sign 0.000+/-0.000 χ²/NDF: 15242802.2/50

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 64.601+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -659.381+/-472.417 χ^2/NDF: 20.1/27

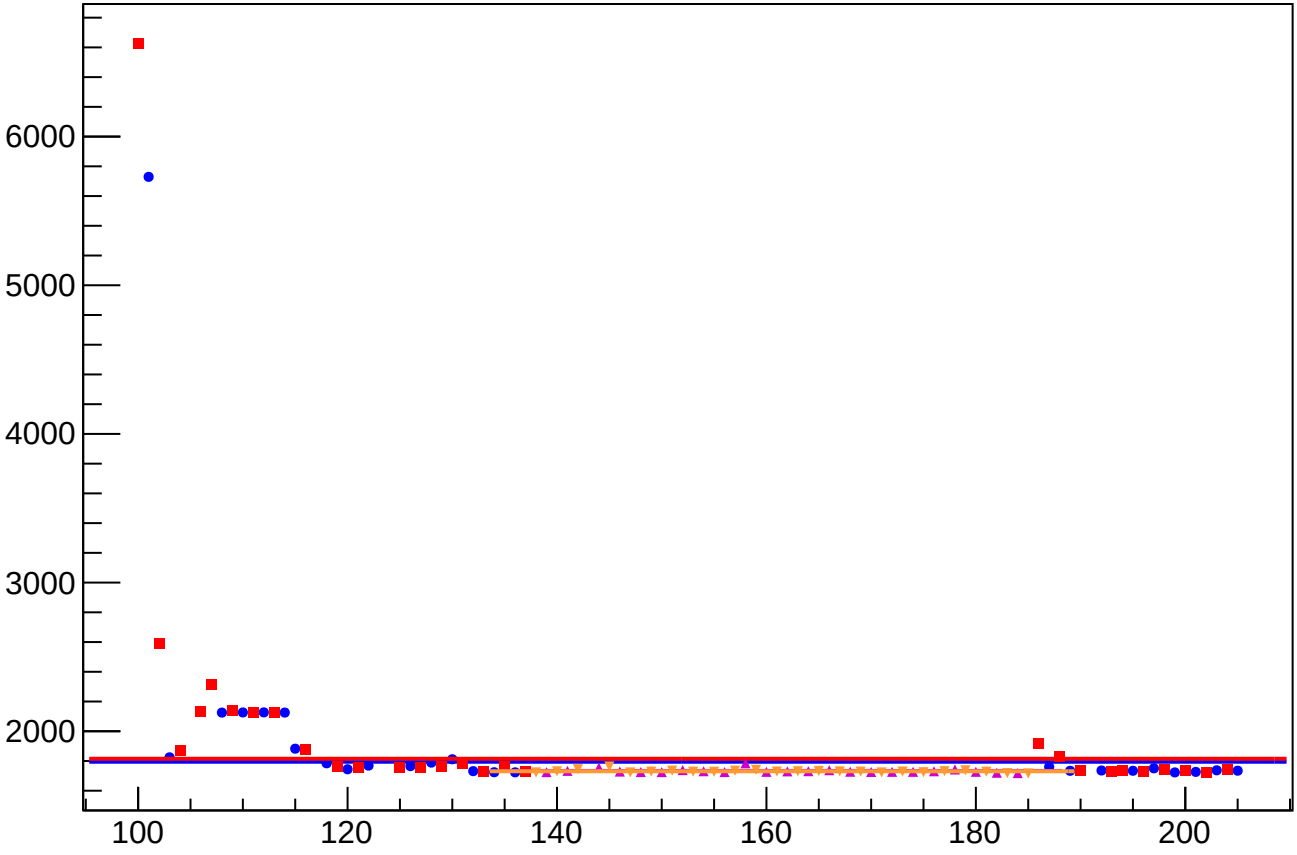
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 334.201+/-309.104 χ^2/NDF: 39.7/48

All: -10.756+/-217.934 χ^2/NDF: 92.5/99

- sign -351.728+/-307.314 χ^2/NDF: 50.3/50

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.5/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

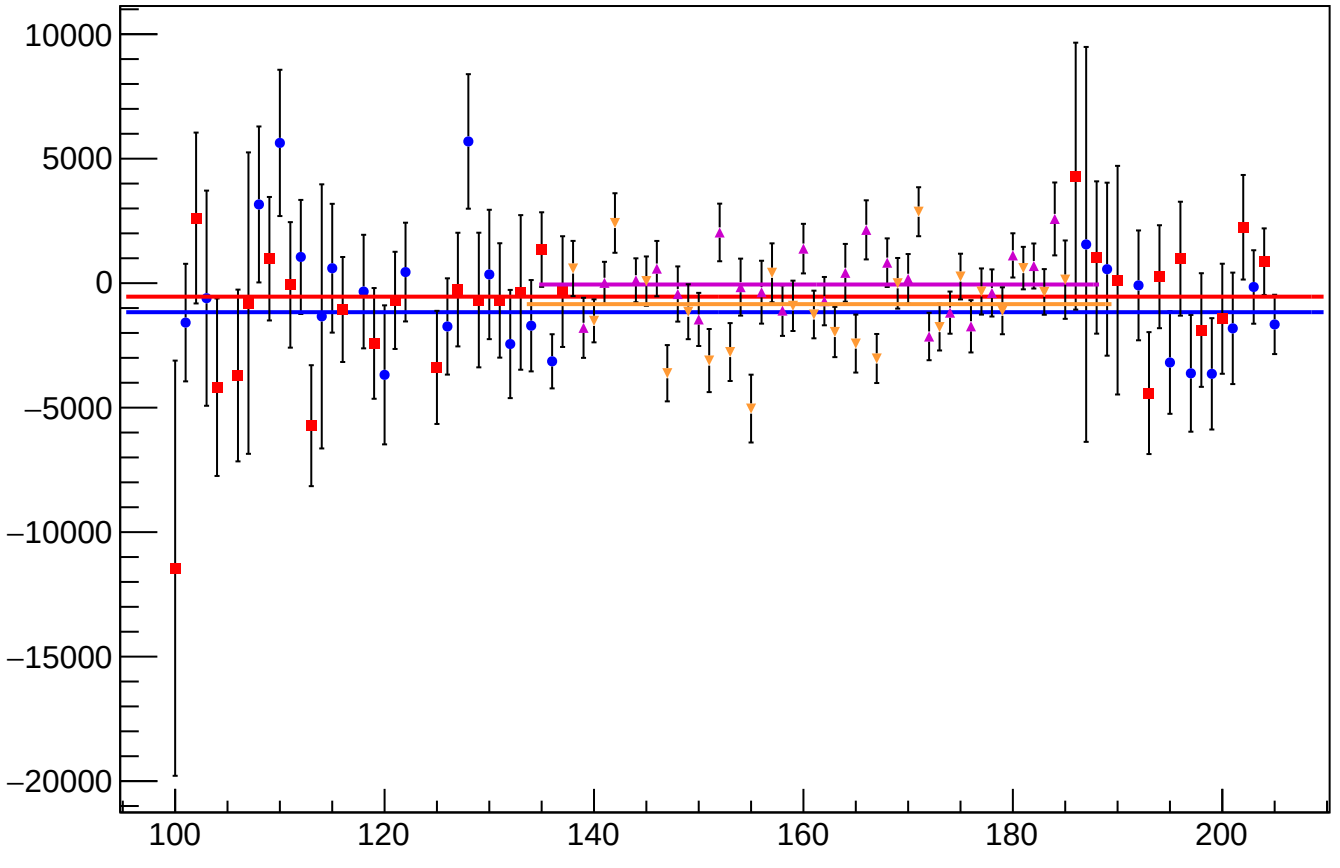
Right Out: 1814.894+/-0.334 χ^2/NDF: 305869.9/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.012+/-0.219 χ^2/NDF: 731795.9/48

All: 1762.366+/-0.154 χ^2/NDF: 1075758.7/99

- sign 1767.659+/-0.217 χ^2/NDF: 342769.4/50



Right In: -1165.797+/-422.825 χ^2/NDF: 25.5/24

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -542.344+/-451.939 χ^2/NDF: 21.0/27

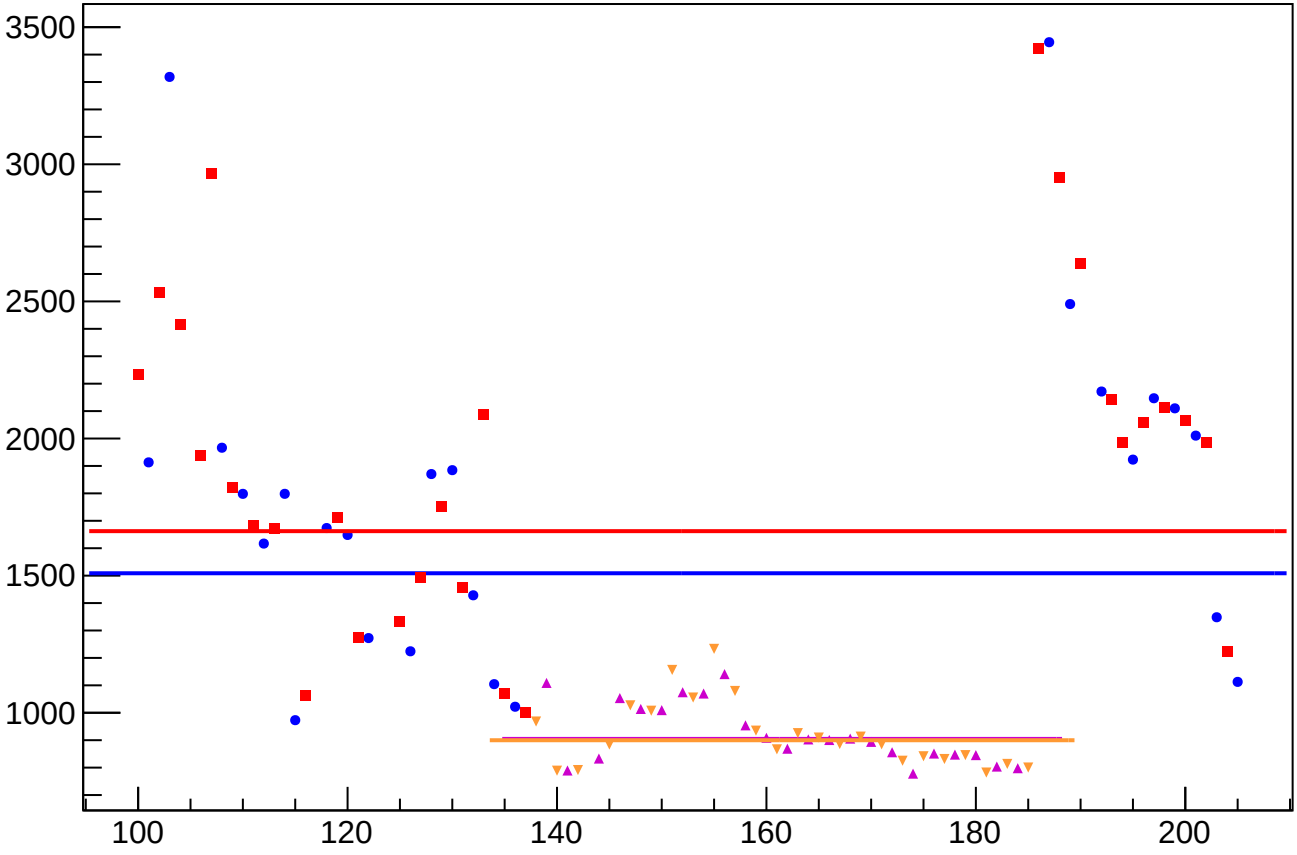
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -906.835+/-188.692 χ^2/NDF: 88.7/48

All: -532.673+/-134.802 χ^2/NDF: 149.3/99

- sign -142.657+/-192.648 χ^2/NDF: 52.5/50

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1508.698+/-0.299 χ^2/NDF: 2411644.8/24

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1662.253+/-0.320 χ^2/NDF: 2435227.0/27

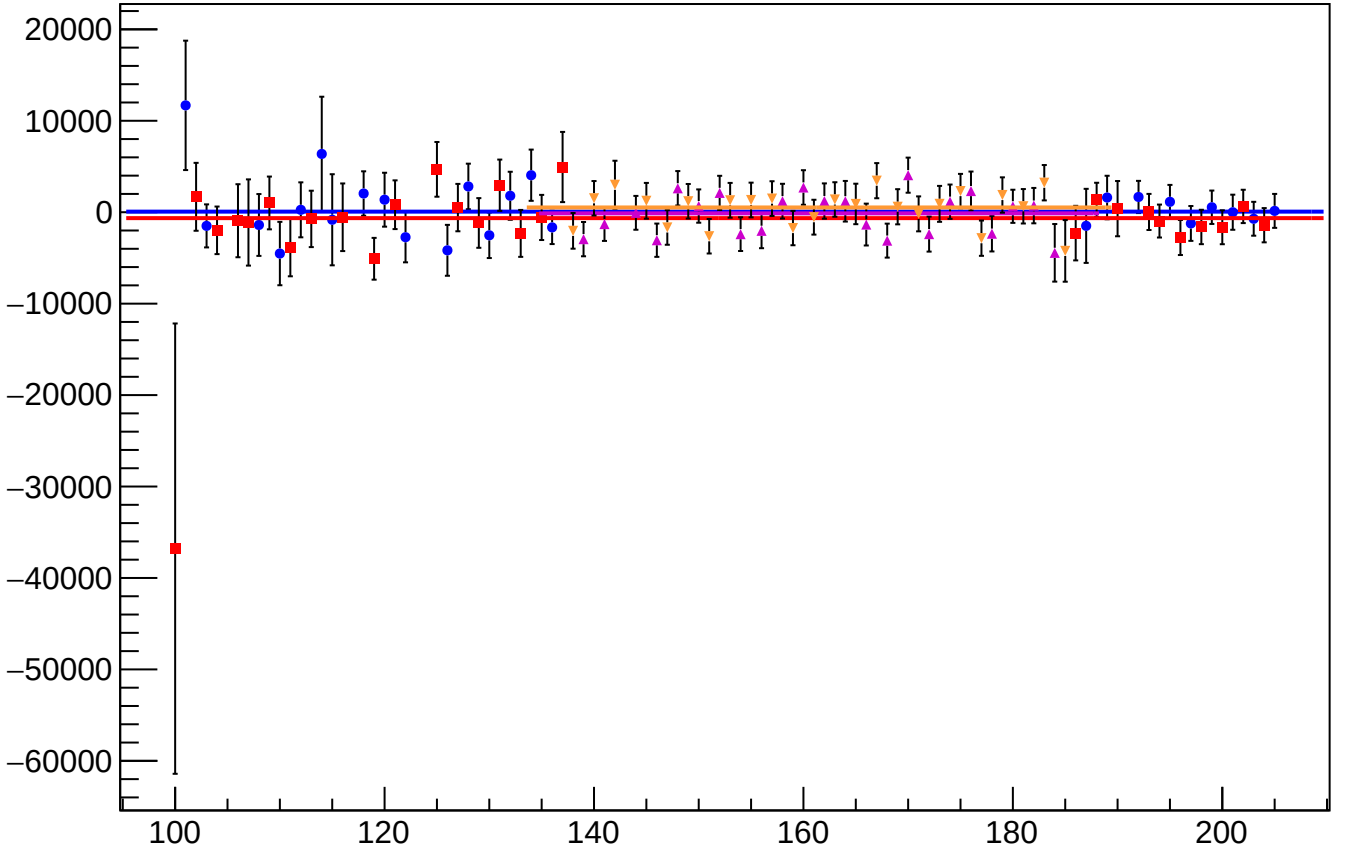
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1021.073+/-0.133 χ^2/NDF: 6228451.3/48

All: 1031.474+/-0.095 χ^2/NDF: 13727274.5/9

- sign 1042.316+/-0.136 χ^2/NDF: 7486410.8/50

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -646.759+/-472.891 χ^2/NDF: 20.0/27

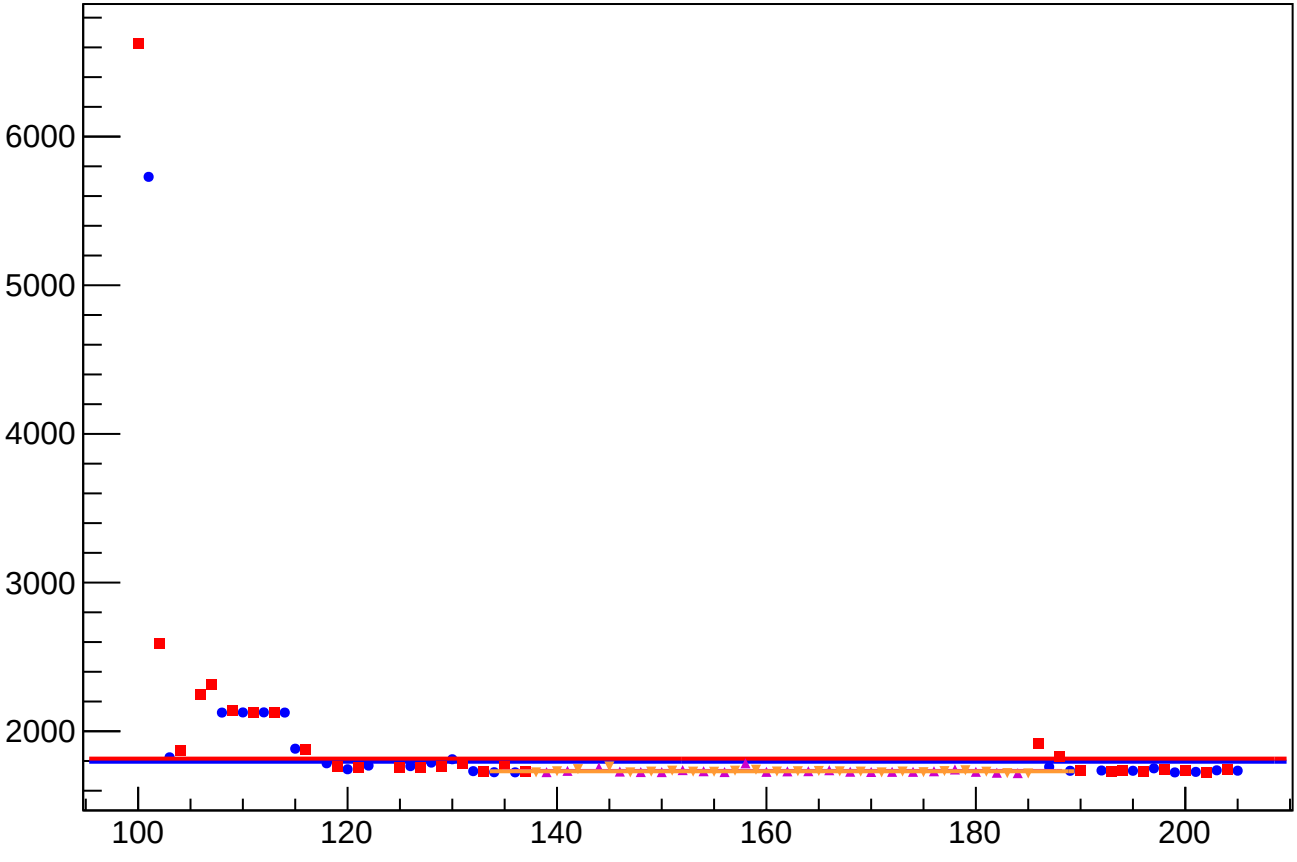
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

\+ sign 334.068+/-309.104 χ^2/NDF: 39.7/48

All: -7.881+/-217.980 χ^2/NDF: 92.3/99

\- sign -346.167+/-307.444 χ^2/NDF: 50.2/50

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

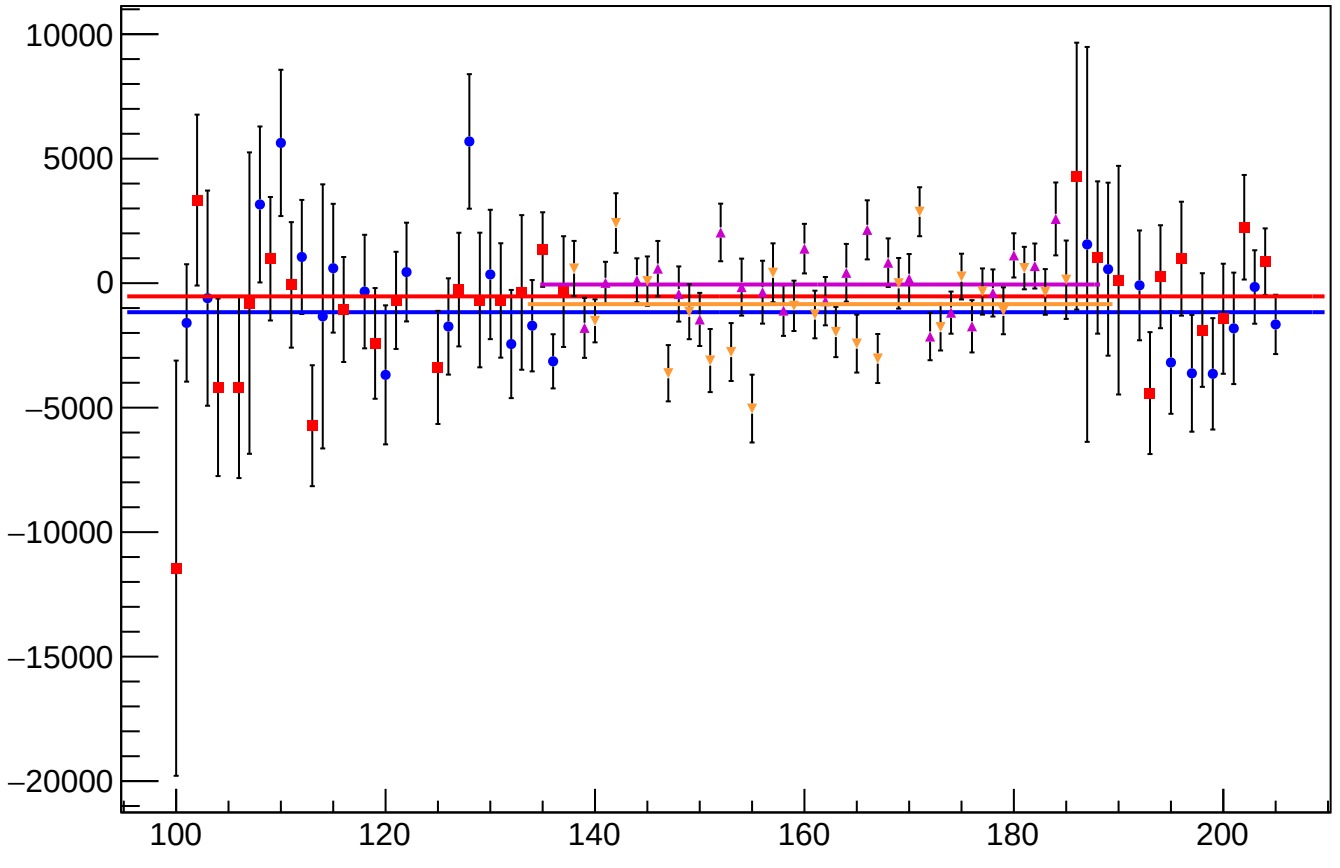
Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.012+/-0.219 χ^2/NDF: 731795.8/48

All: 1762.556+/-0.154 χ^2/NDF: 1085832.3/99

- sign 1768.041+/-0.217 χ^2/NDF: 352756.5/50



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -531.037+/-452.363 χ^2/NDF: 21.5/27

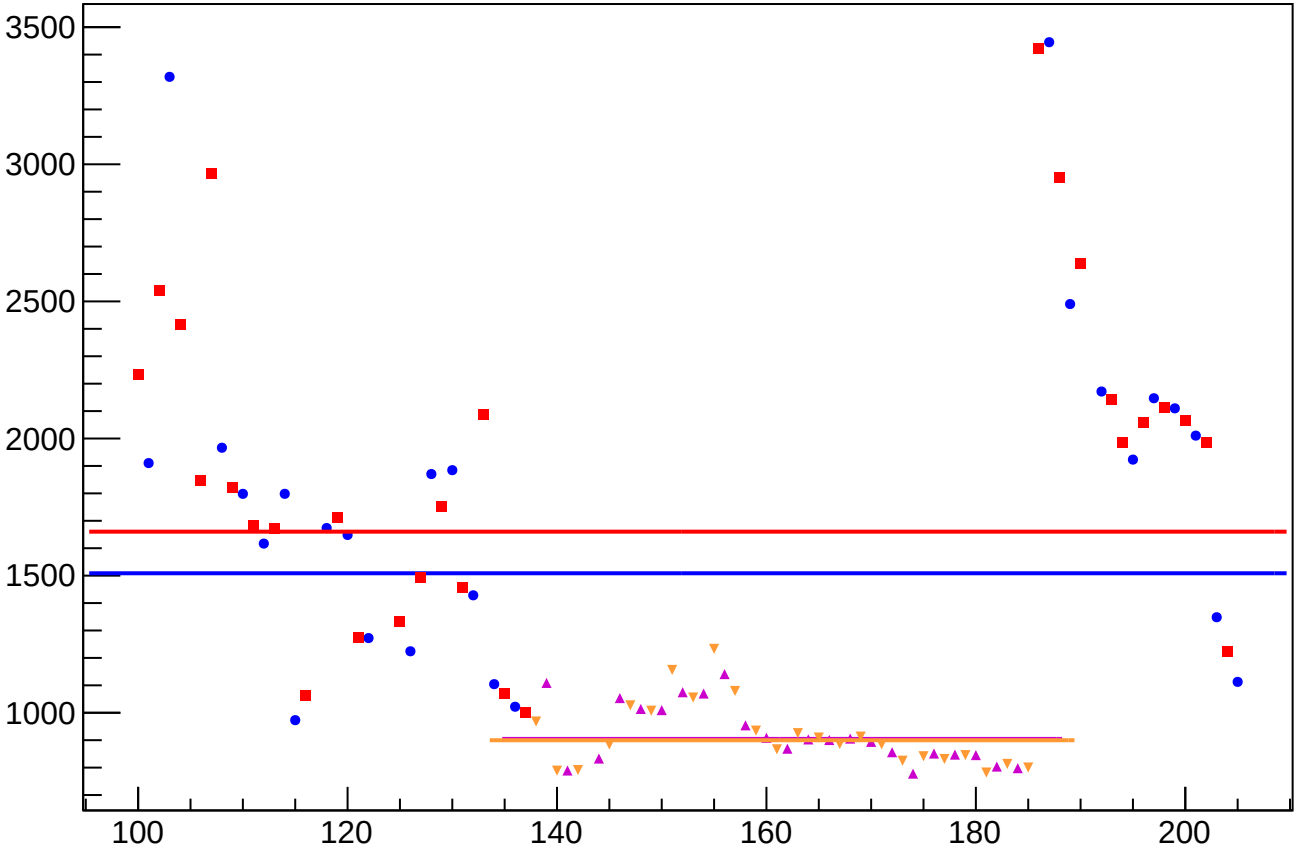
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -906.954+/-188.691 χ^2/NDF: 88.7/48

All: -531.739+/-134.813 χ^2/NDF: 149.9/99

- sign -140.488+/-192.681 χ^2/NDF: 53.1/50

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

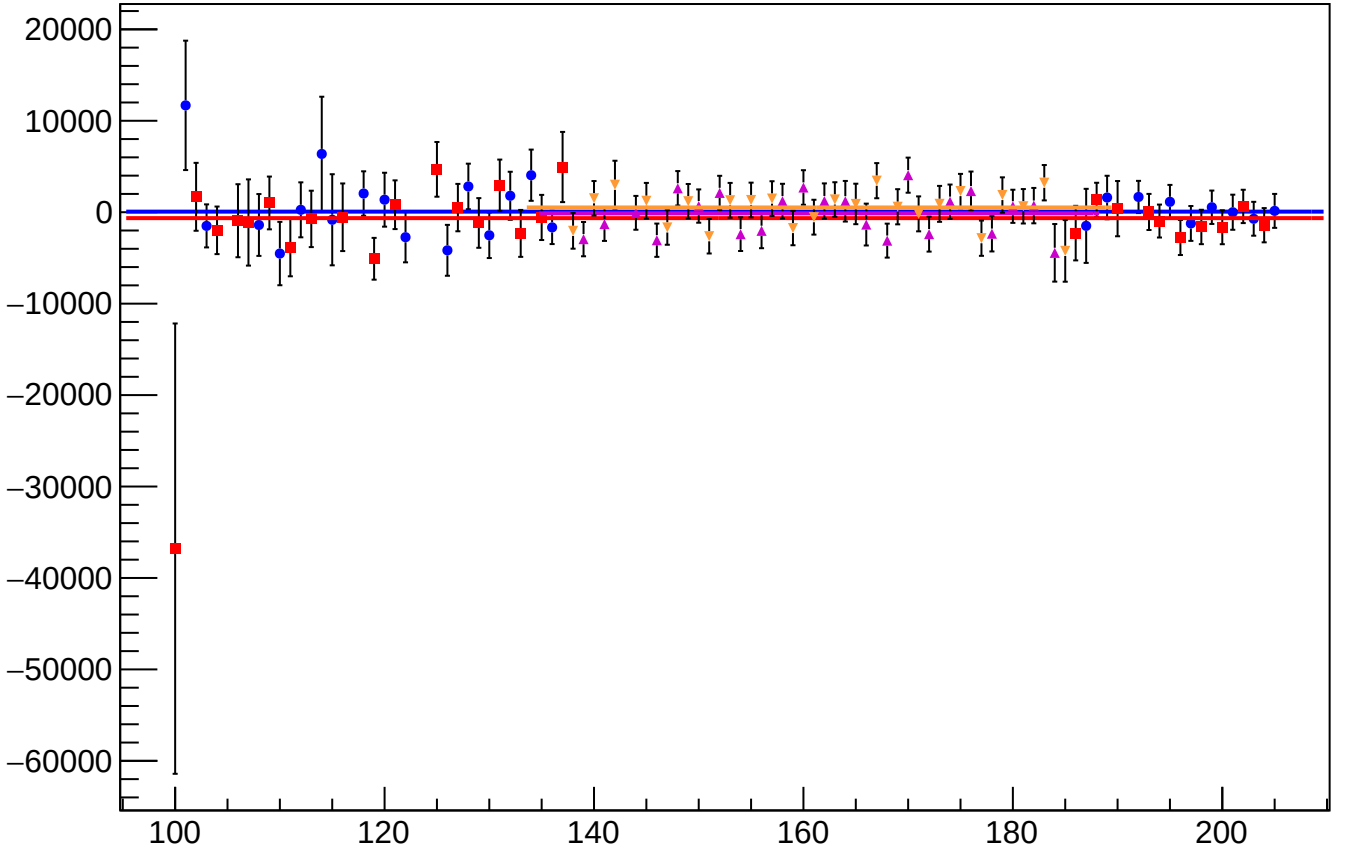
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.074+/-0.133 χ^2/NDF: 6227496.2/48

All: 1031.200+/-0.095 χ^2/NDF: 13689689.5/9

- sign 1041.760+/-0.136 χ^2/NDF: 7450426.3/50

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -646.759+/-472.891 χ^2/NDF: 20.0/27

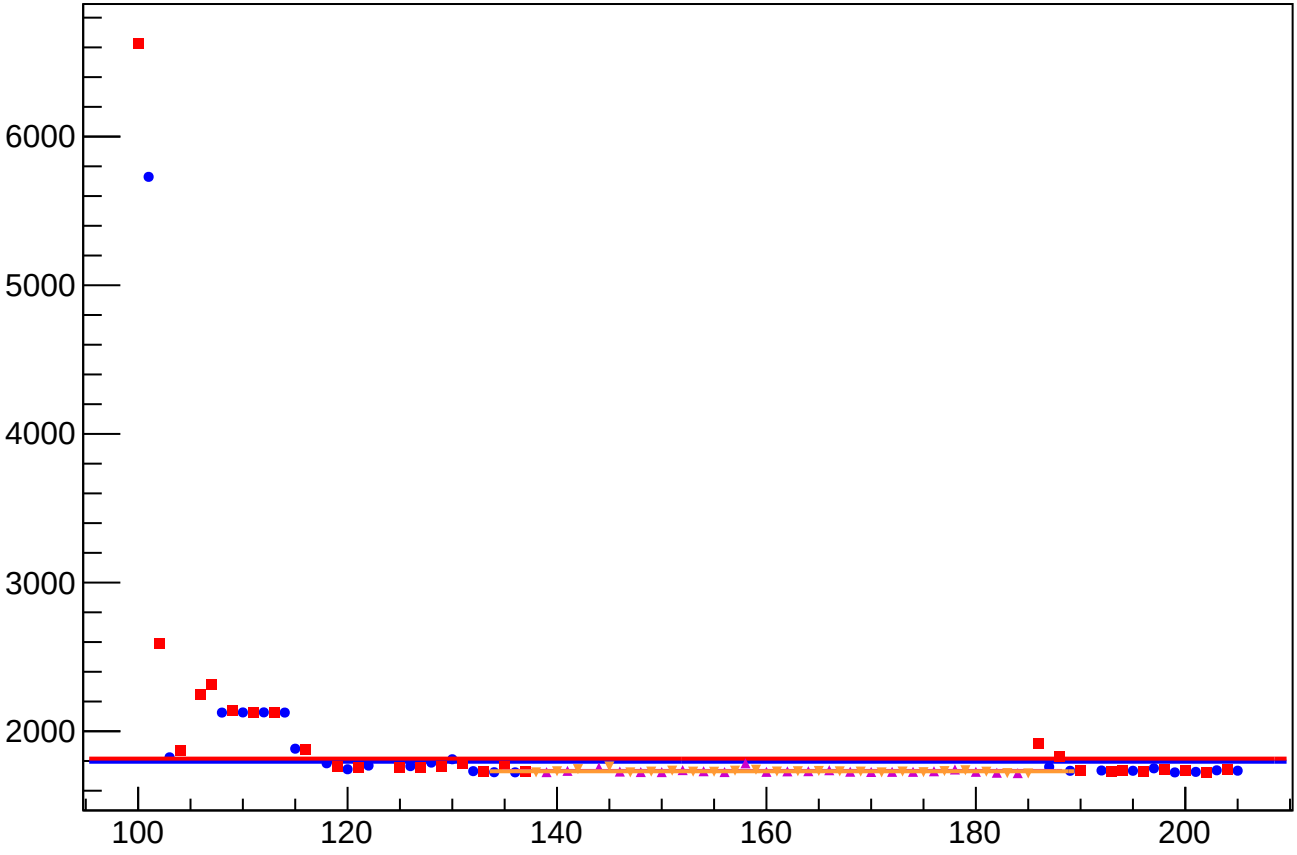
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 334.068+/-309.104 χ^2/NDF: 39.7/48

All: -7.881+/-217.980 χ^2/NDF: 92.3/99

- sign -346.167+/-307.444 χ^2/NDF: 50.2/50

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

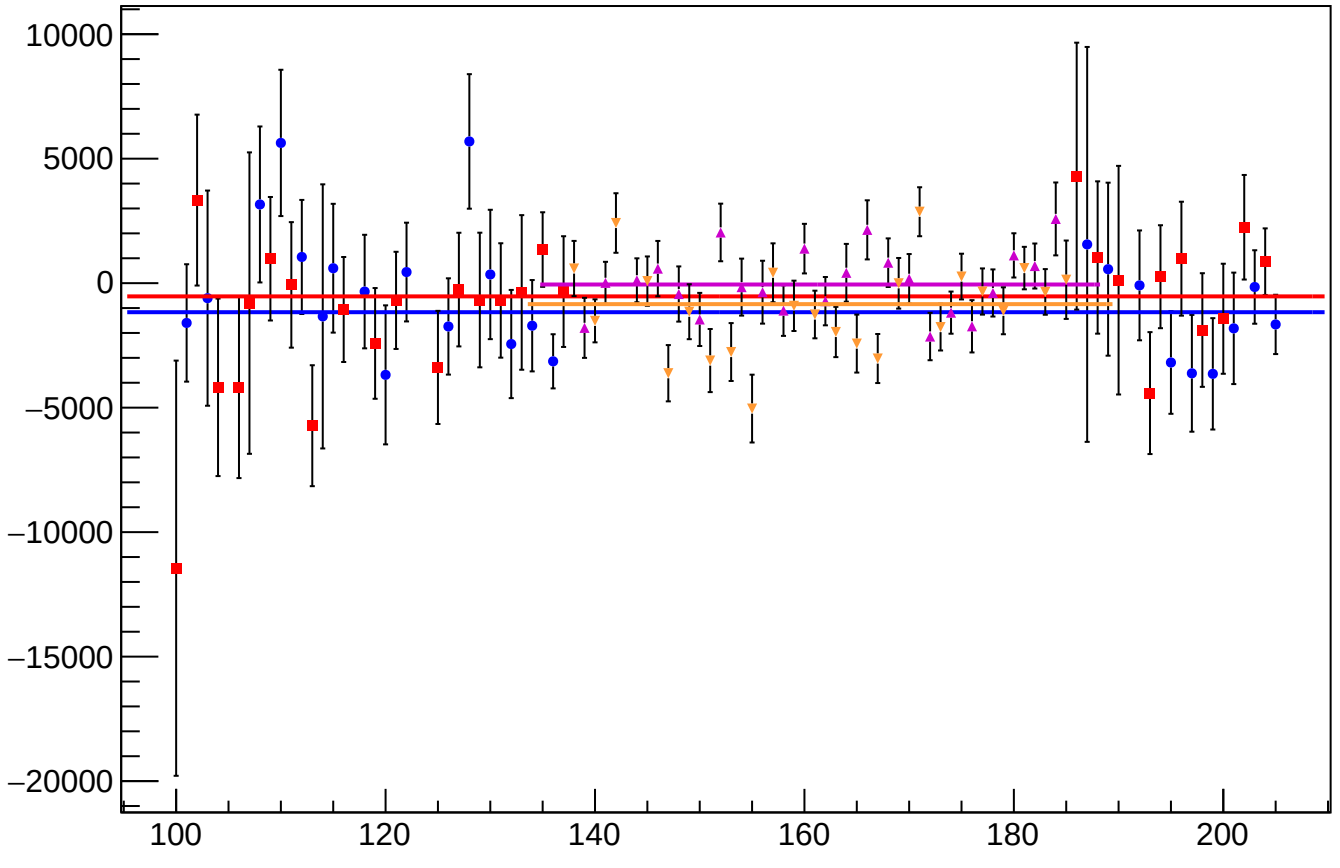
Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.012+/-0.219 χ^2/NDF: 731795.8/48

All: 1762.556+/-0.154 χ^2/NDF: 1085832.3/99

- sign 1768.041+/-0.217 χ^2/NDF: 352756.5/50



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

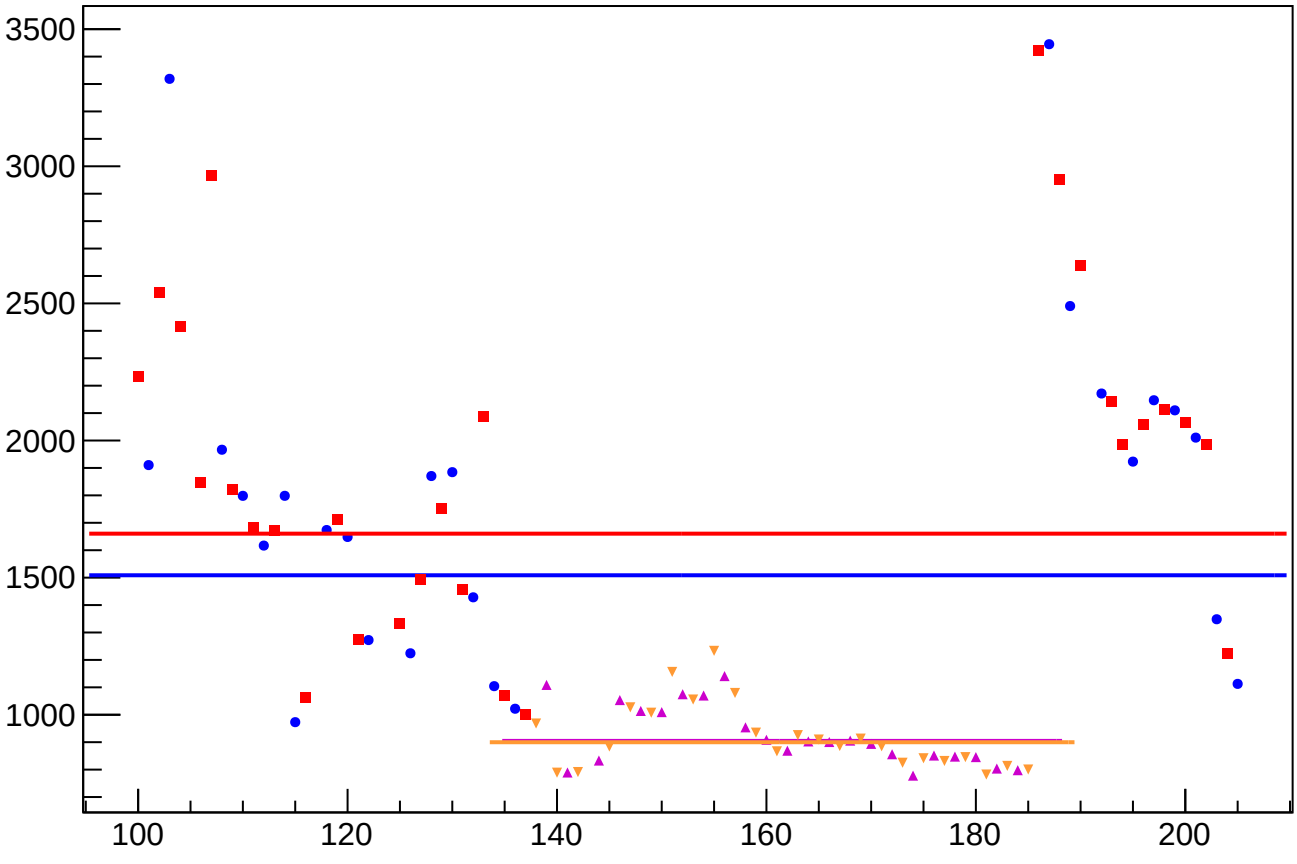
Right Out: -531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -906.954+/-188.691 χ^2/NDF: 88.7/48

All: -531.739+/-134.813 χ^2/NDF: 149.9/99

- sign -140.488+/-192.681 χ^2/NDF: 53.1/50



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

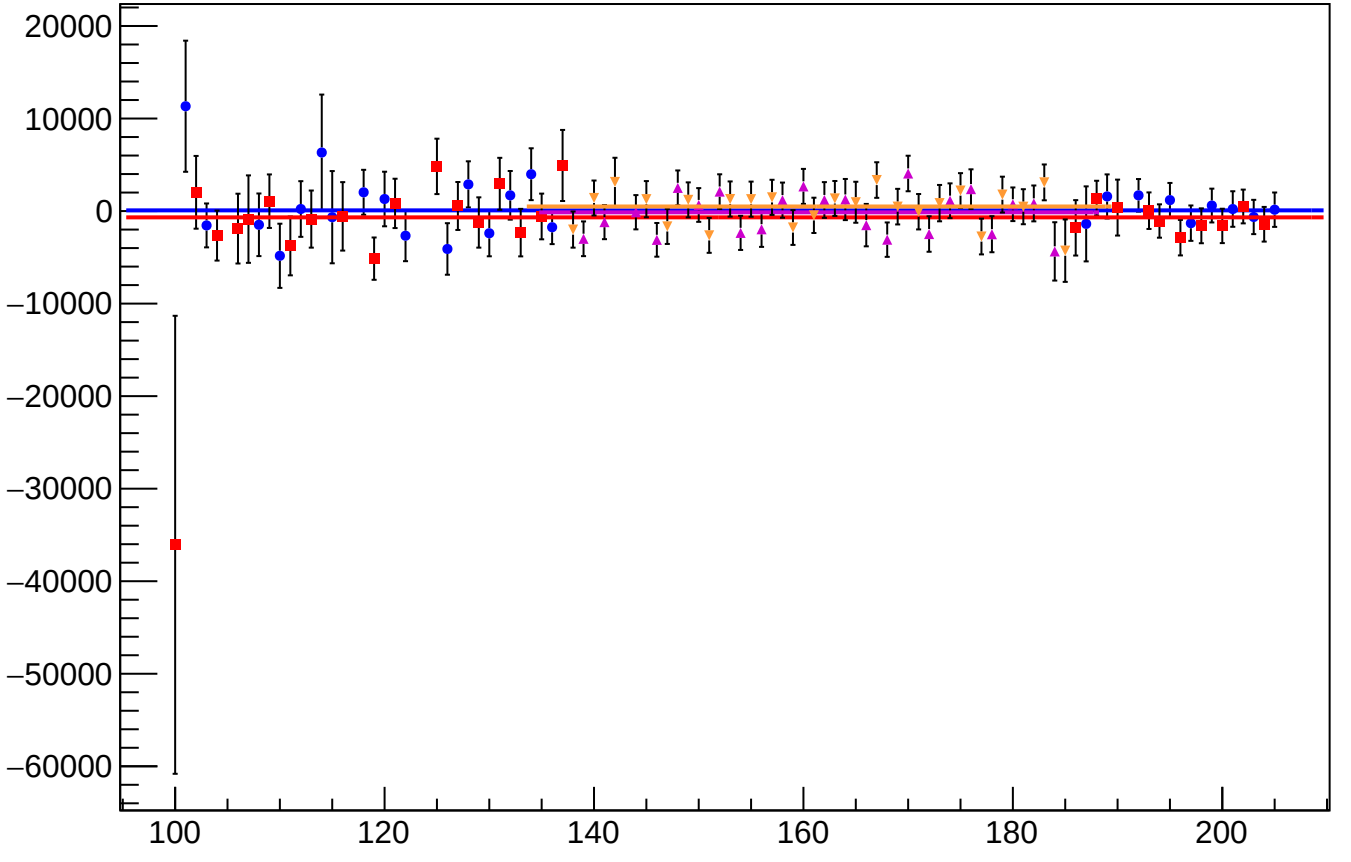
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.074+/-0.133 χ^2/NDF: 6227496.2/48

All: 1031.200+/-0.095 χ^2/NDF: 13689689.5/9

- sign 1041.760+/-0.136 χ^2/NDF: 7450426.3/50

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 76.165+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -680.127+/-473.898 χ^2/NDF: 20.5/27

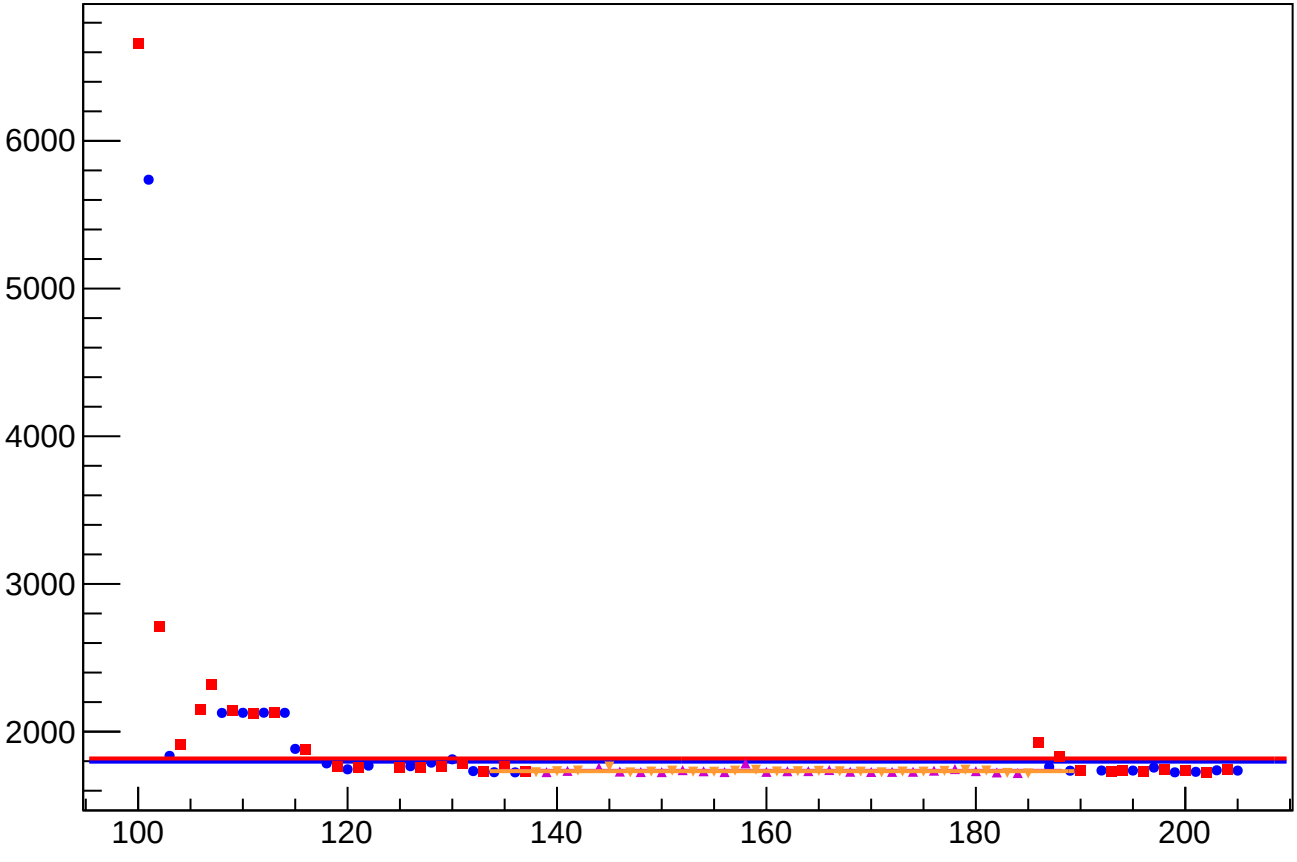
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 324.142+/-309.413 χ^2/NDF: 38.9/48

All: -22.811+/-218.244 χ^2/NDF: 92.2/99

- sign -366.337+/-307.881 χ^2/NDF: 50.8/50

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

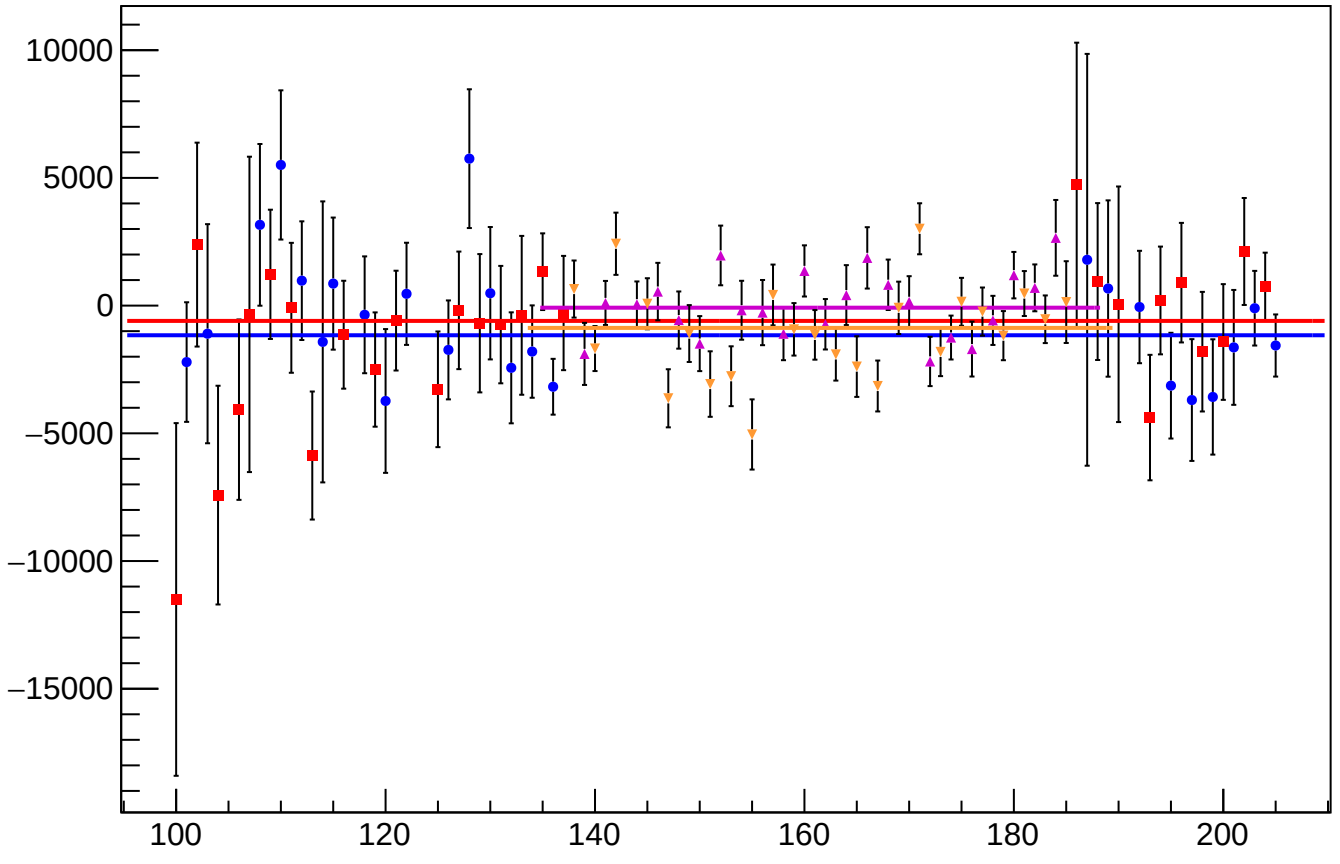
Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.8/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1758.687+/-0.219 χ^2/NDF: 732219.5/48

All: 1764.328+/-0.154 χ^2/NDF: 1097487.8/99

- sign 1769.913+/-0.218 χ^2/NDF: 363945.4/50



Right In: -1160.695+/-424.514 χ^2/NDF: 25.7/24

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -598.911+/-456.754 χ^2/NDF: 22.7/27

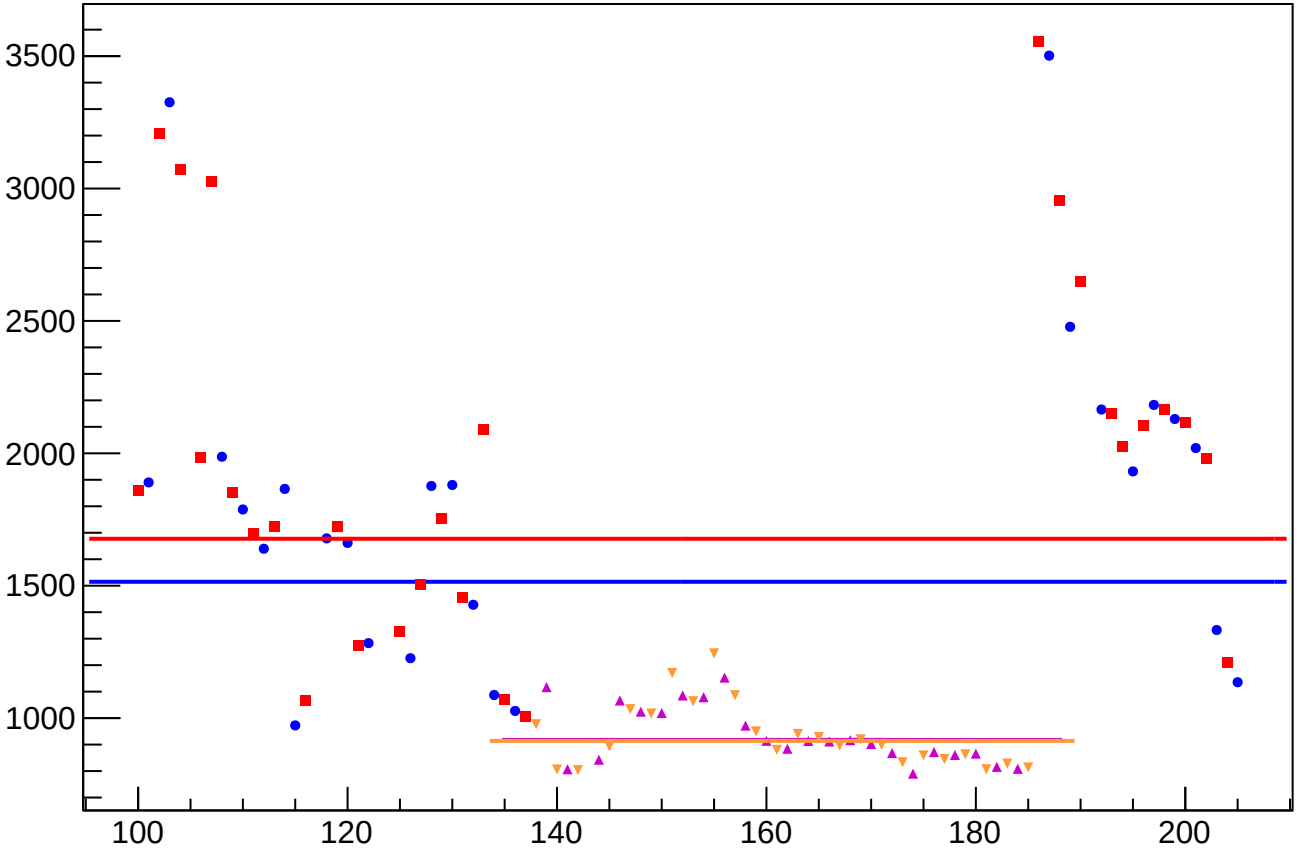
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -931.161+/-191.098 χ^2/NDF: 88.1/48

All: -561.612+/-136.555 χ^2/NDF: 149.4/99

- sign -176.018+/-195.202 χ^2/NDF: 53.7/50

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1514.817+/-0.300 χ^2/NDF: 2412739.0/24

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1677.365+/-0.323 χ^2/NDF: 2816184.6/27

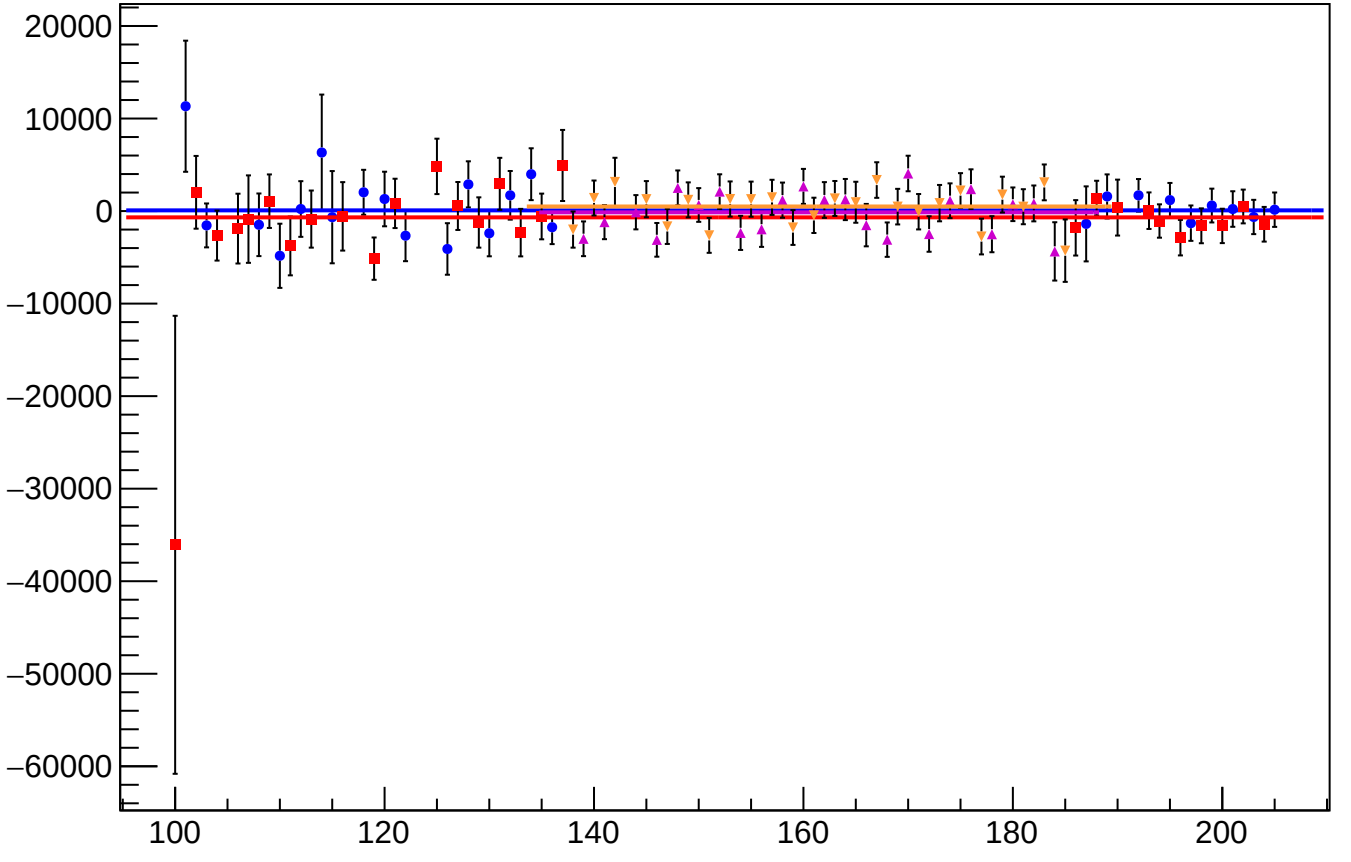
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1035.670+/-0.135 χ^2/NDF: 6071028.1/48

All: 1045.828+/-0.097 χ^2/NDF: 13851477.2/9

- sign 1056.427+/-0.138 χ^2/NDF: 7768900.8/50

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 76.166+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -680.127+/-473.898 χ^2/NDF: 20.5/27

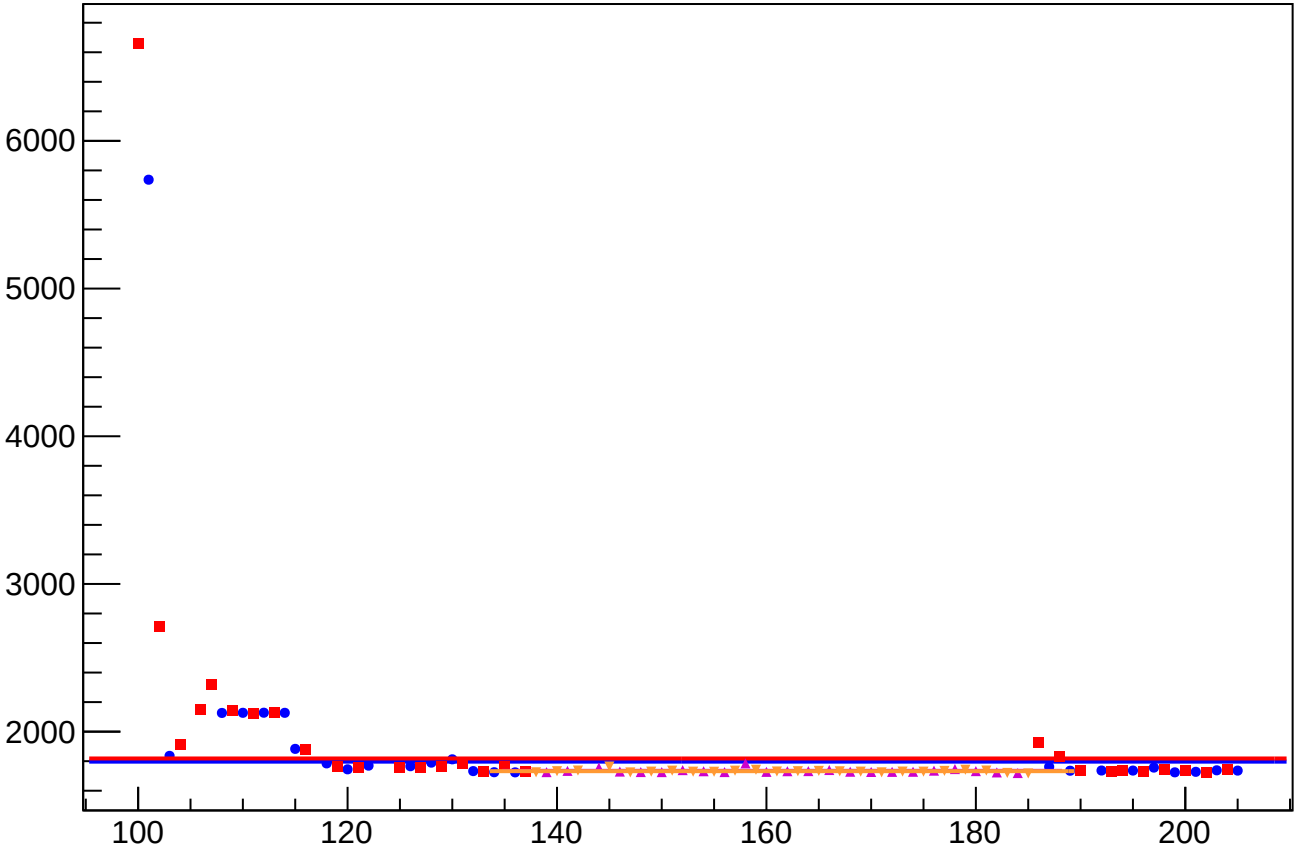
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 324.143+/-309.413 χ^2/NDF: 38.9/48

All: -22.811+/-218.244 χ^2/NDF: 92.2/99

- sign -366.337+/-307.881 χ^2/NDF: 50.8/50

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

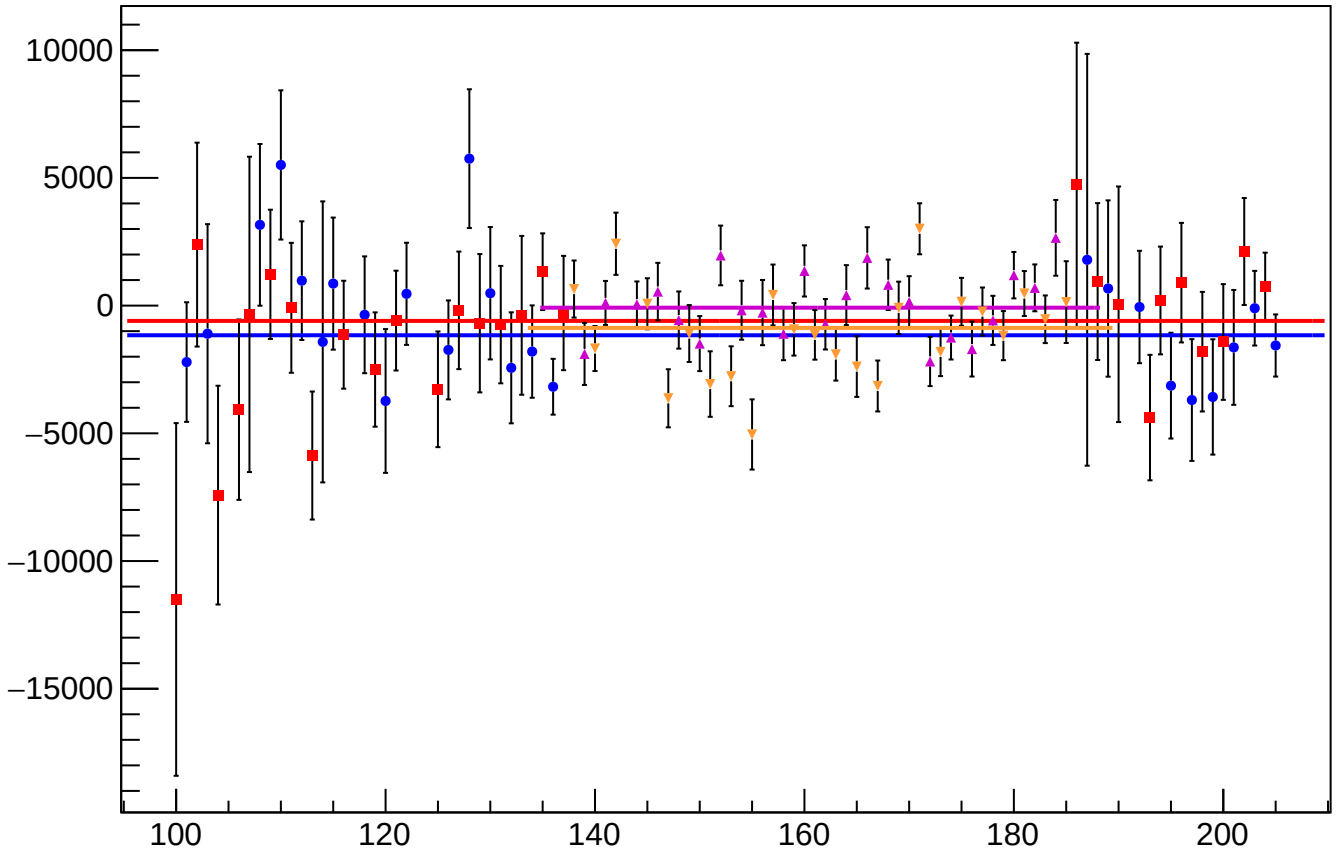
Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.5/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1758.687+/-0.219 χ^2/NDF: 732219.5/48

All: 1764.328+/-0.154 χ^2/NDF: 1097487.5/99

- sign 1769.913+/-0.218 χ^2/NDF: 363945.0/50



Right In: -1160.691+/-424.513 χ^2/NDF: 25.7/24

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

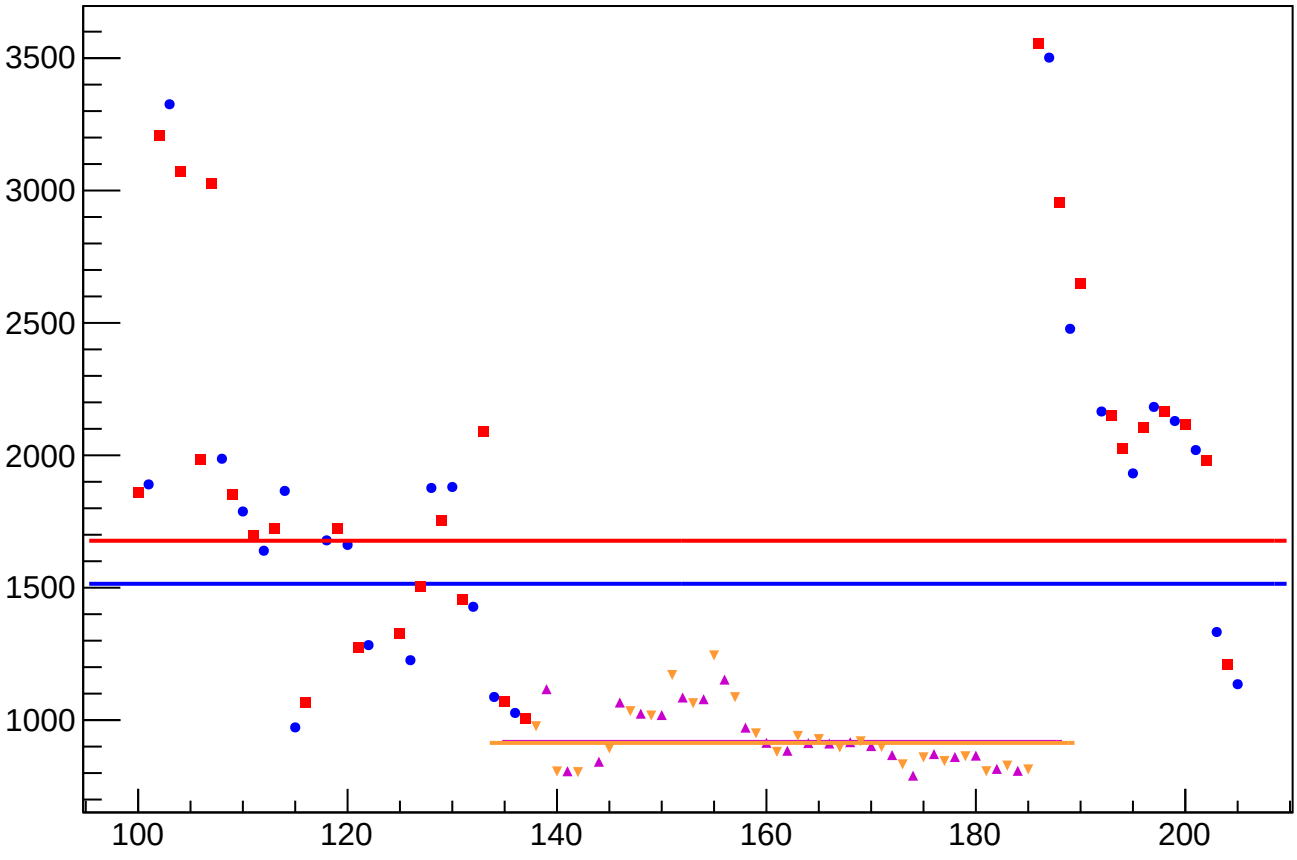
Right Out: -598.912+/-456.753 χ^2/NDF: 22.7/27

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -931.160+/-191.098 χ^2/NDF: 88.1/48

All: -561.611+/-136.555 χ^2/NDF: 149.4/99

- sign -176.017+/-195.202 χ^2/NDF: 53.7/50



Right In: 1514.815+/-0.300 χ^2/NDF: 2412739.3/24

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1677.364+/-0.323 χ^2/NDF: 2816189.7/27

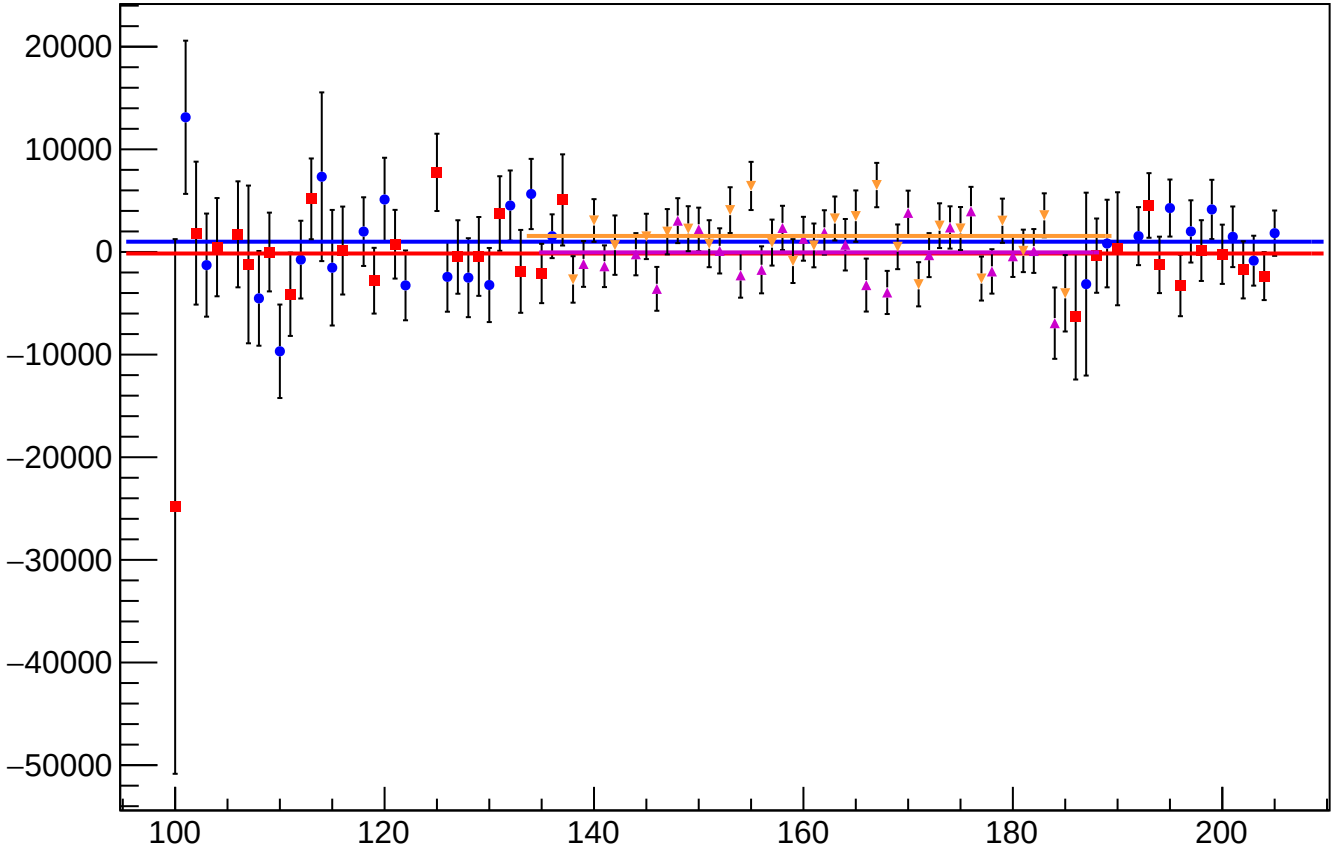
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1035.669+/-0.135 χ^2/NDF: 6071027.9/48

All: 1045.827+/-0.097 χ^2/NDF: 13851485.6/9

- sign 1056.427+/-0.138 χ^2/NDF: 7768909.4/50

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1000.250+/-679.338 χ^2/NDF: 23.3/24

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -149.472+/-689.303 χ^2/NDF: 18.0/27

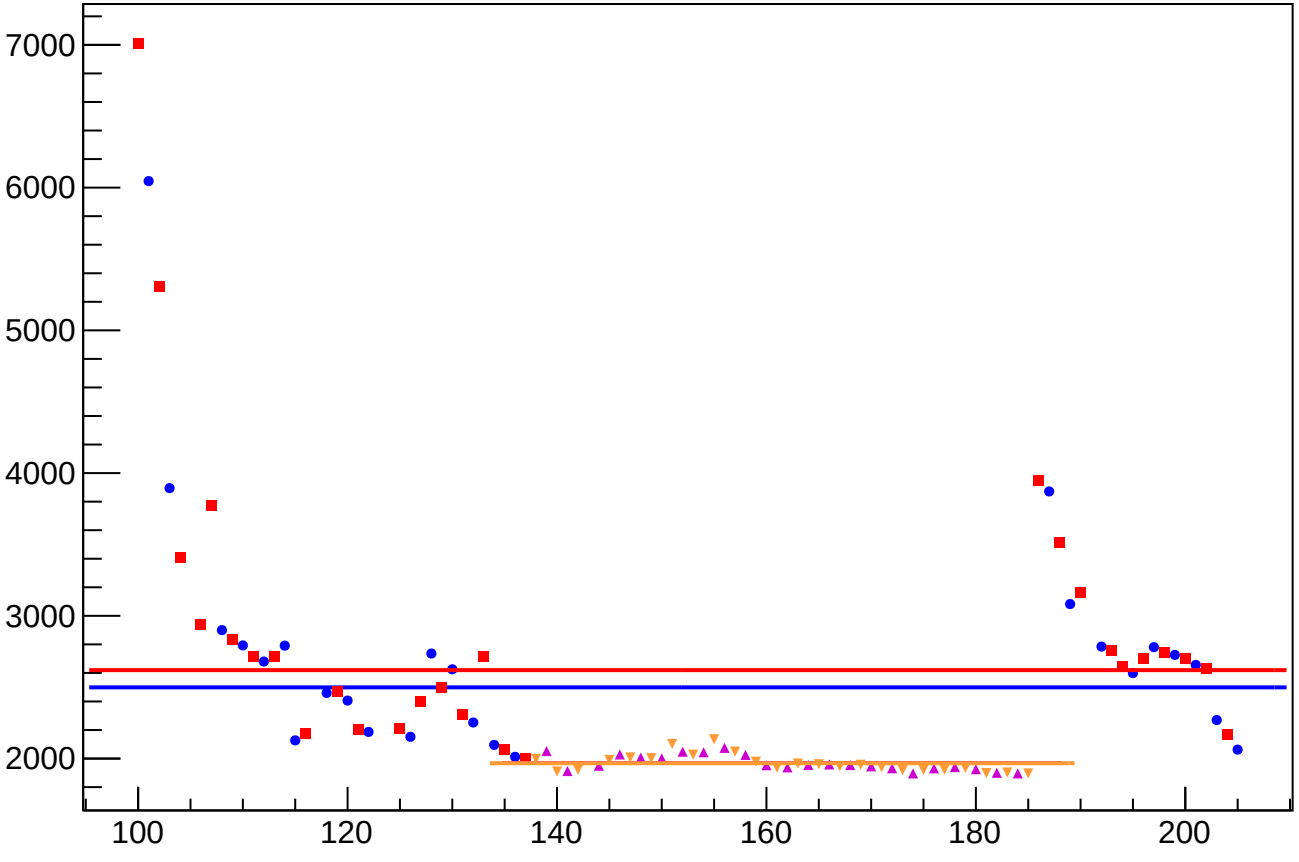
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1386.604+/-379.118 χ^2/NDF: 55.0/48

All: 663.131+/-269.296 χ^2/NDF: 108.2/99

- sign -73.645+/-382.588 χ^2/NDF: 45.8/50

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2498.831+/-0.480 χ^2/NDF: 1075643.5/24

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

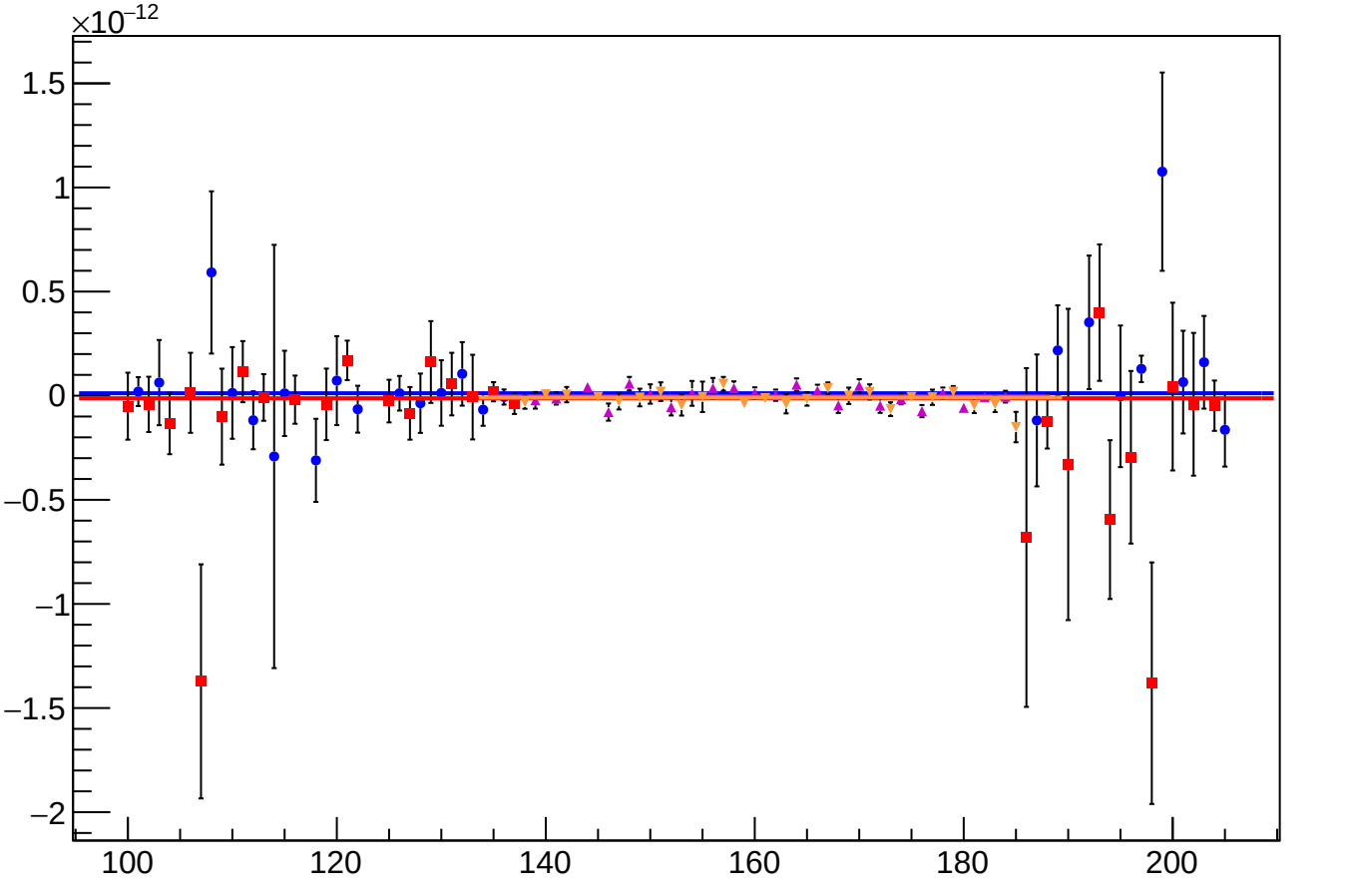
Right Out: 2619.574+/-0.487 χ^2/NDF: 1007162.4/27

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2132.921+/-0.268 χ^2/NDF: 1952548.0/48

All: 2151.012+/-0.190 χ^2/NDF: 4228074.8/99

- sign 2169.435+/-0.271 χ^2/NDF: 2266334.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

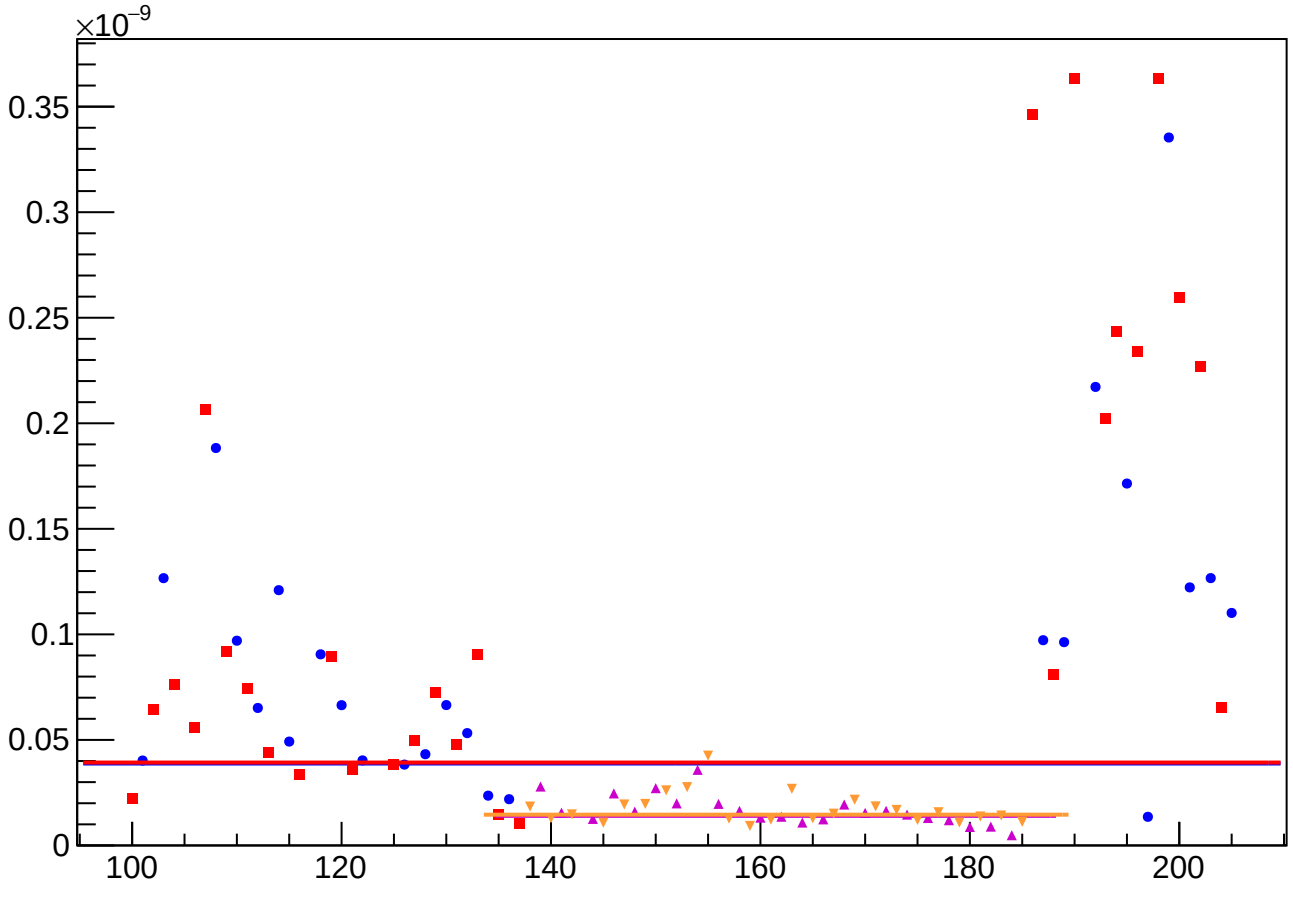
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/27

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/48

All: -0.000+/-0.000 χ^2/NDF: 106.1/99

- sign -0.000+/-0.000 χ^2/NDF: 64.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 4745107.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6570451.8/27

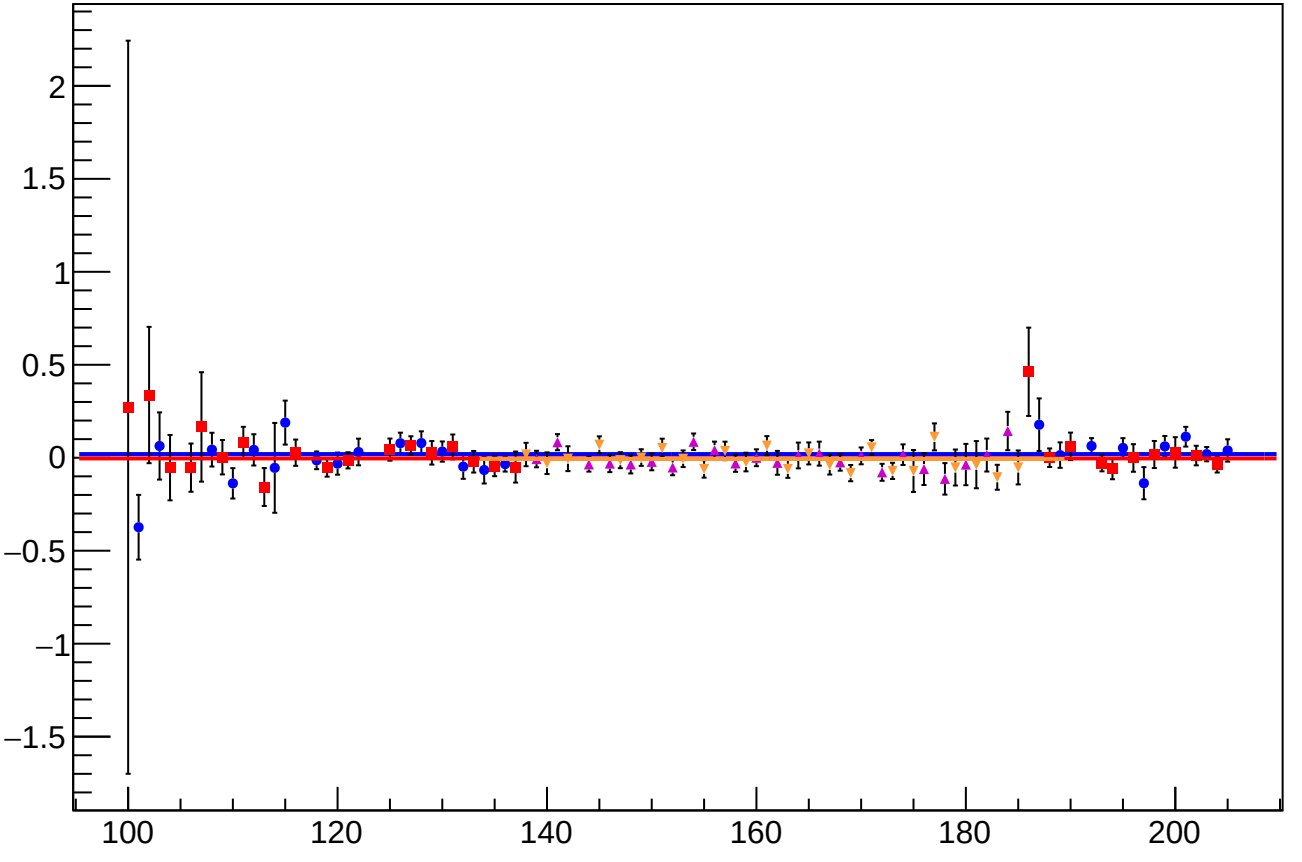
Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8125864.1/48

All: 0.000+/-0.000 χ^2/NDF: 18342066.5/99

- sign 0.000+/-0.000 χ^2/NDF: 10202967.6/50

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

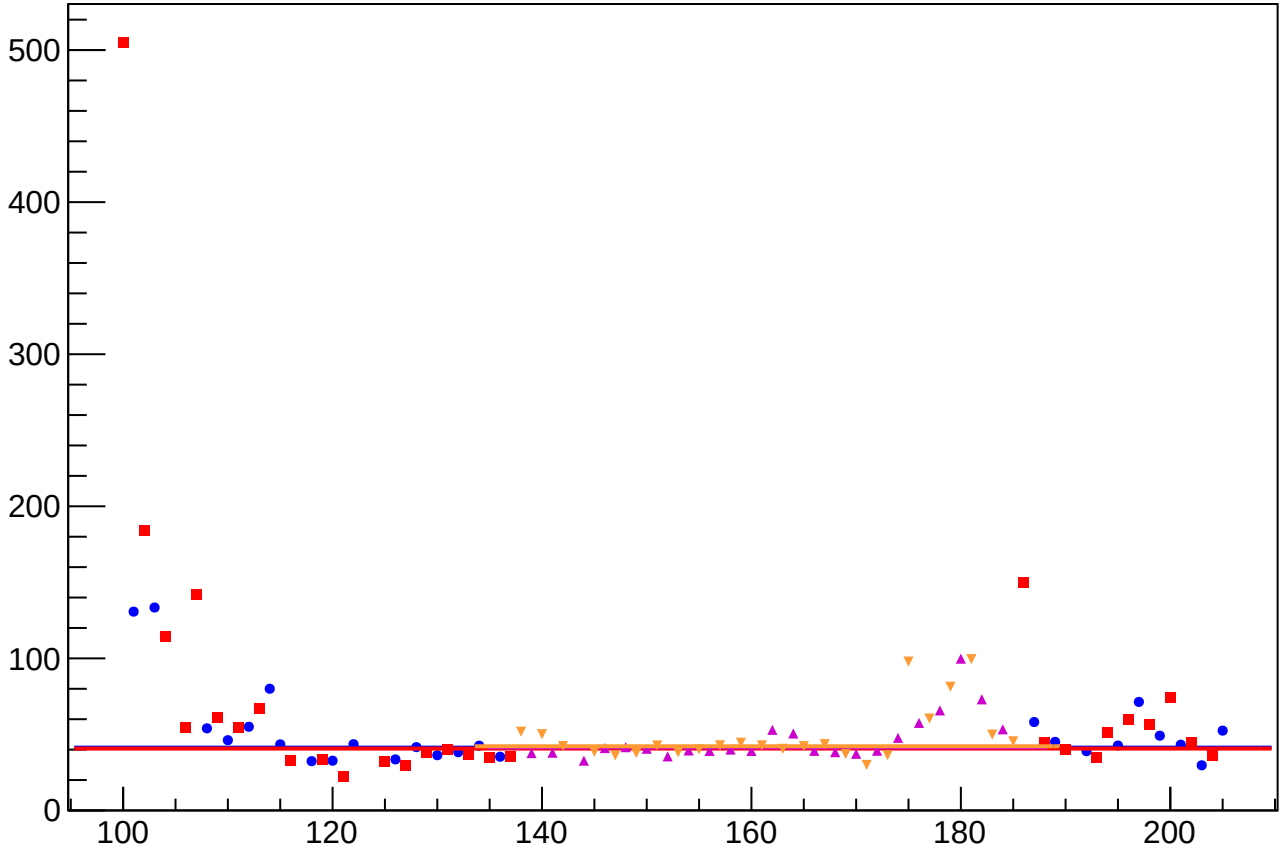
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/99

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

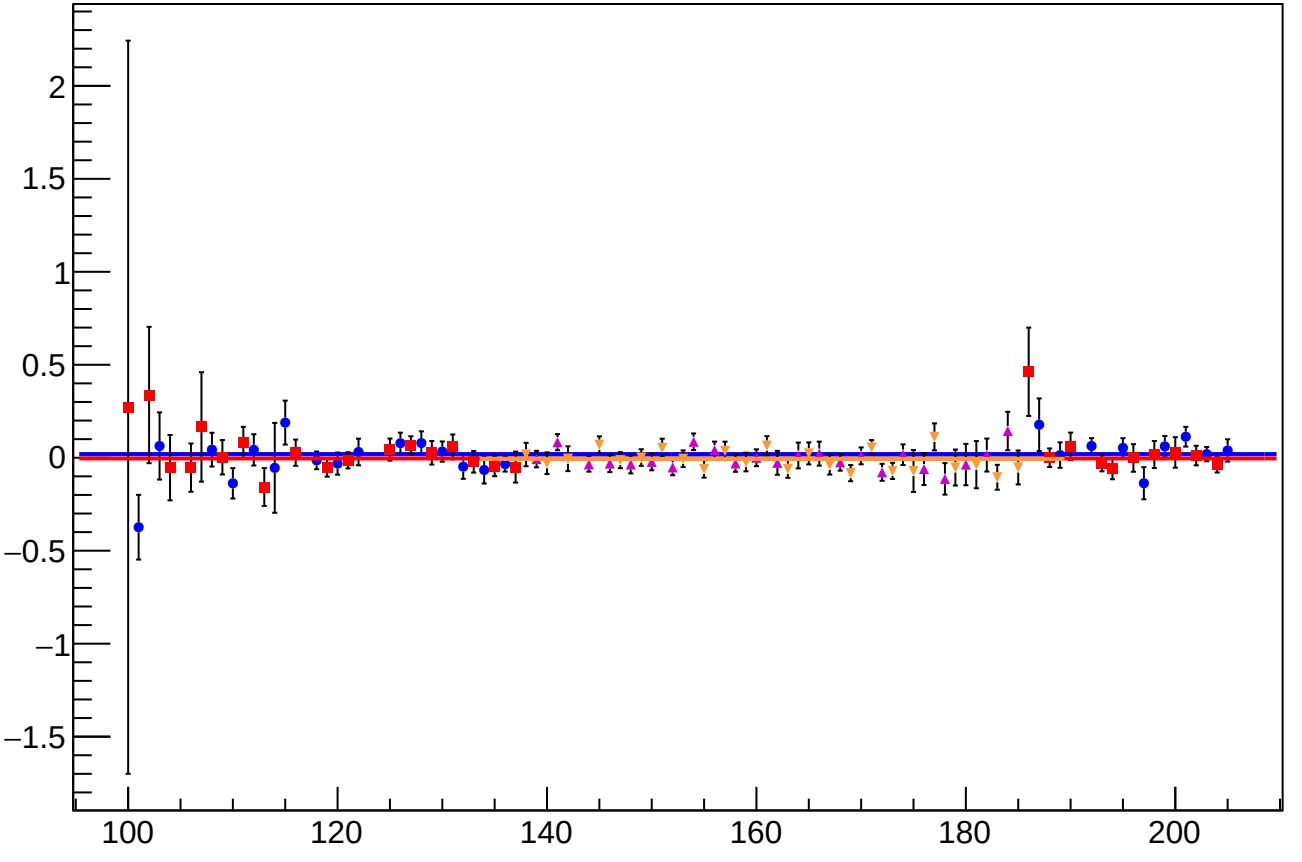
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.820+/-0.006 χ^2/NDF: 3819473.0/48

All: 41.460+/-0.004 χ^2/NDF: 8321220.1/99

\- sign 41.109+/-0.006 χ^2/NDF: 4494172.1/50

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

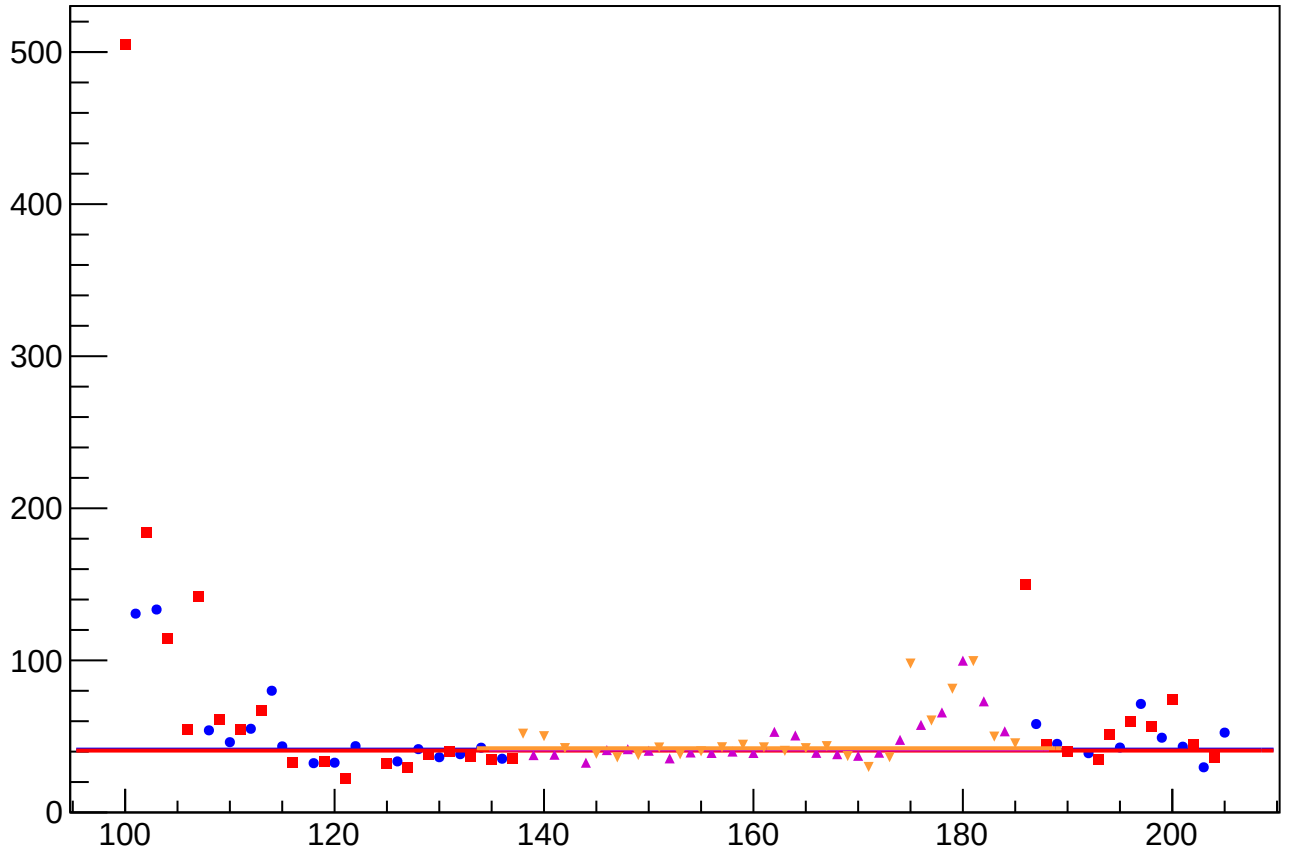
Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/99

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

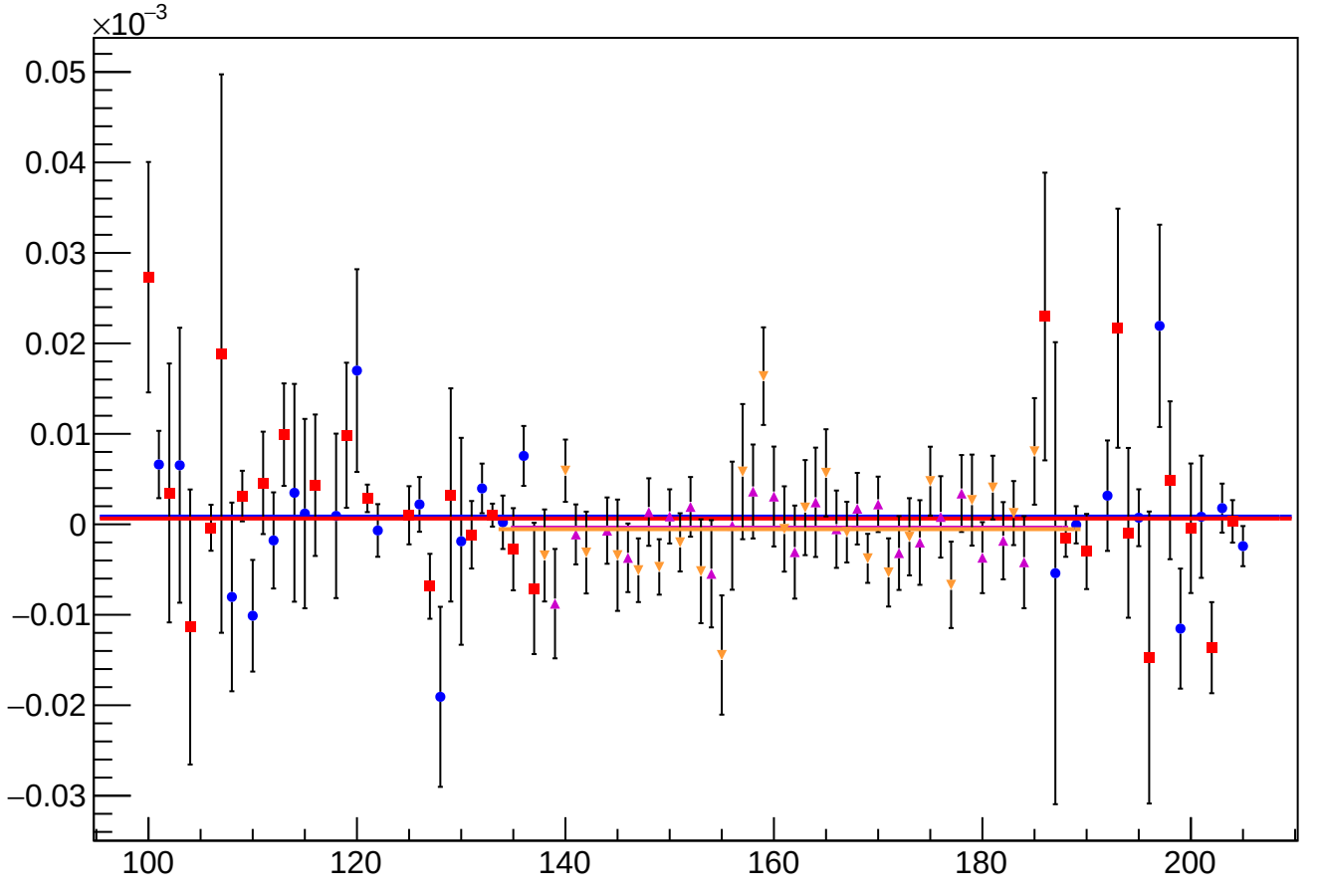
Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.820+/-0.006 χ^2/NDF: 3819473.0/48

All: 41.460+/-0.004 χ^2/NDF: 8321220.1/99

\- sign 41.109+/-0.006 χ^2/NDF: 4494172.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

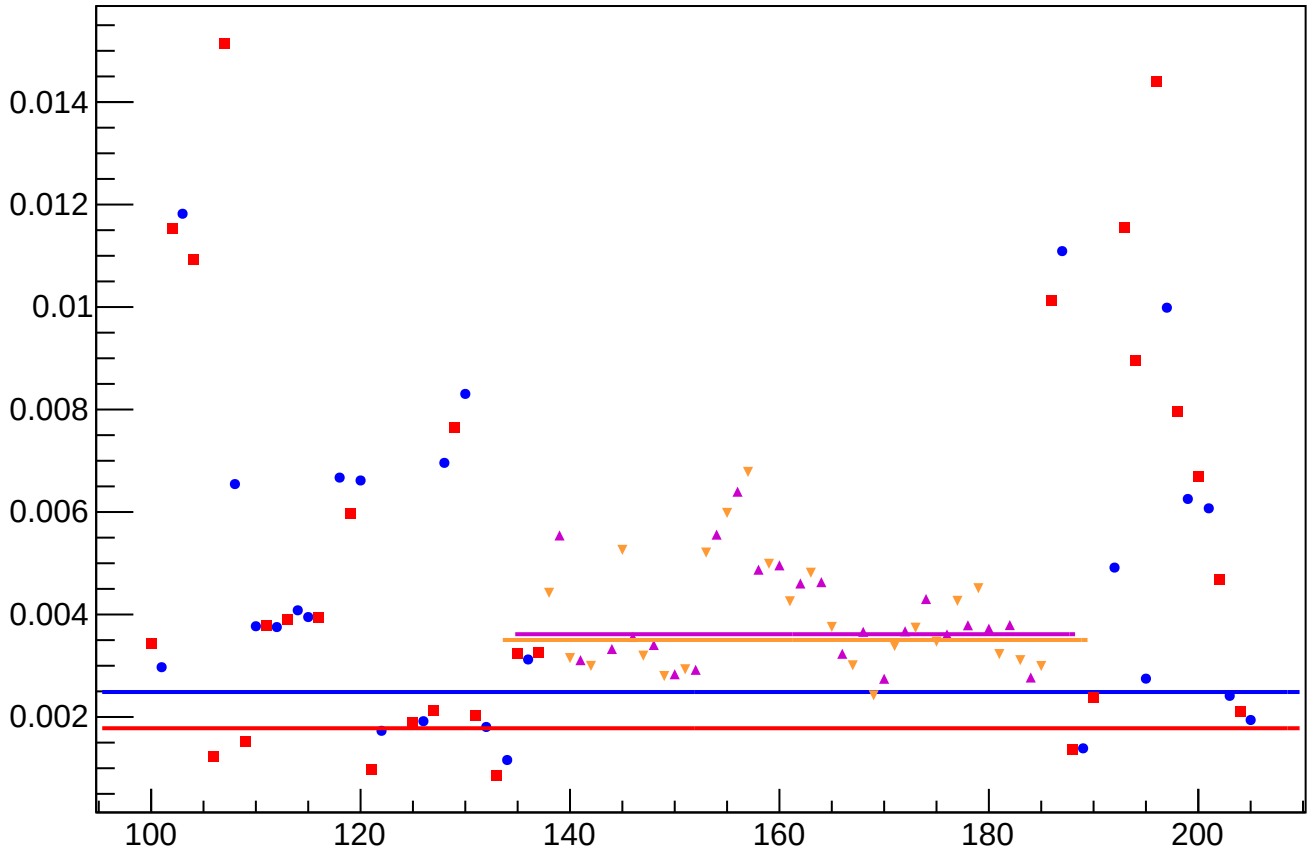
Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/27

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.7/48

All: 0.000+/-0.000 χ^2/NDF: 112.5/99

- sign 0.000+/-0.000 χ^2/NDF: 45.7/50



Right In: 0.002+/-0.000 χ^2/NDF: 7149700.0/24

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12672589.2/27

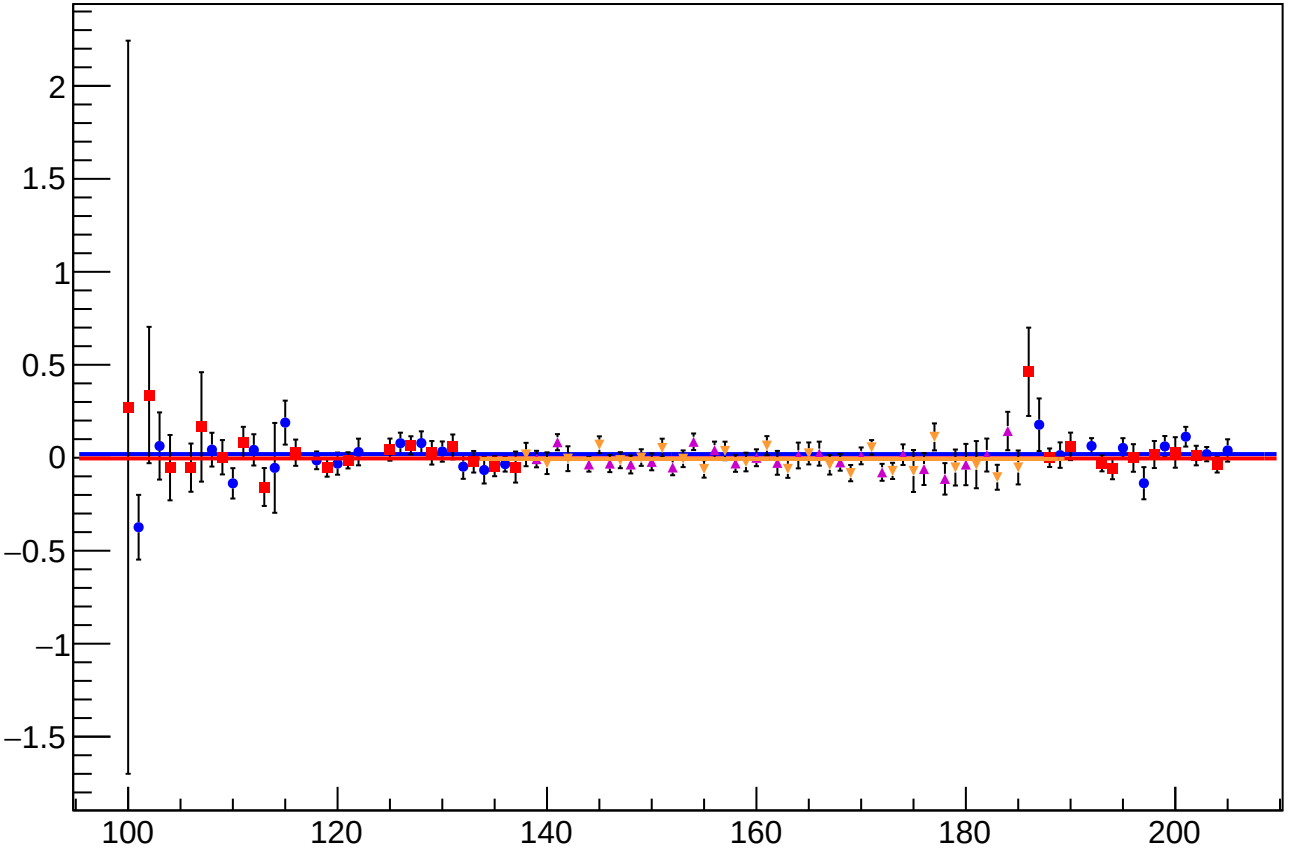
Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 10848606.9/48

All: 0.003+/-0.000 χ^2/NDF: 31776319.5/99

- sign 0.002+/-0.000 χ^2/NDF: 20007264.4/50

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

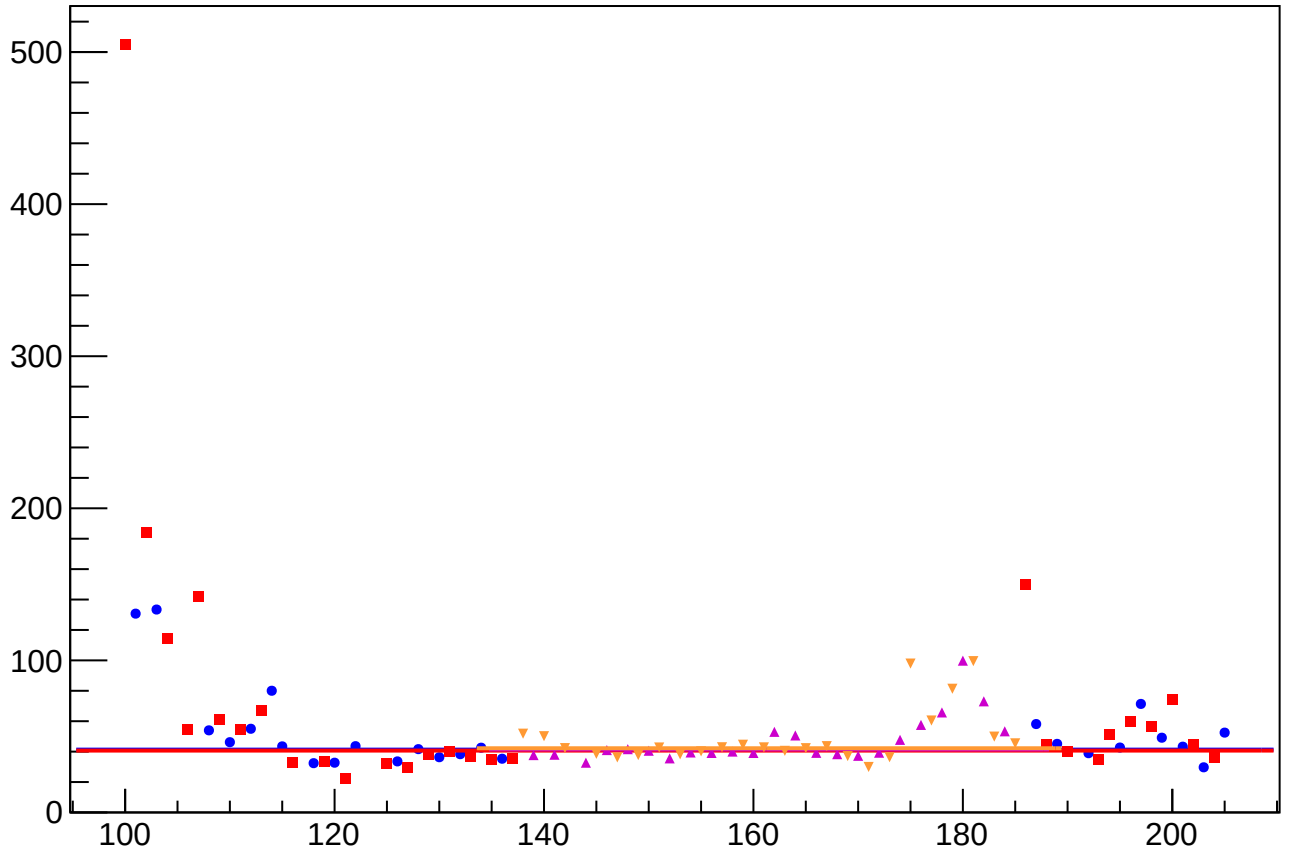
Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/99

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

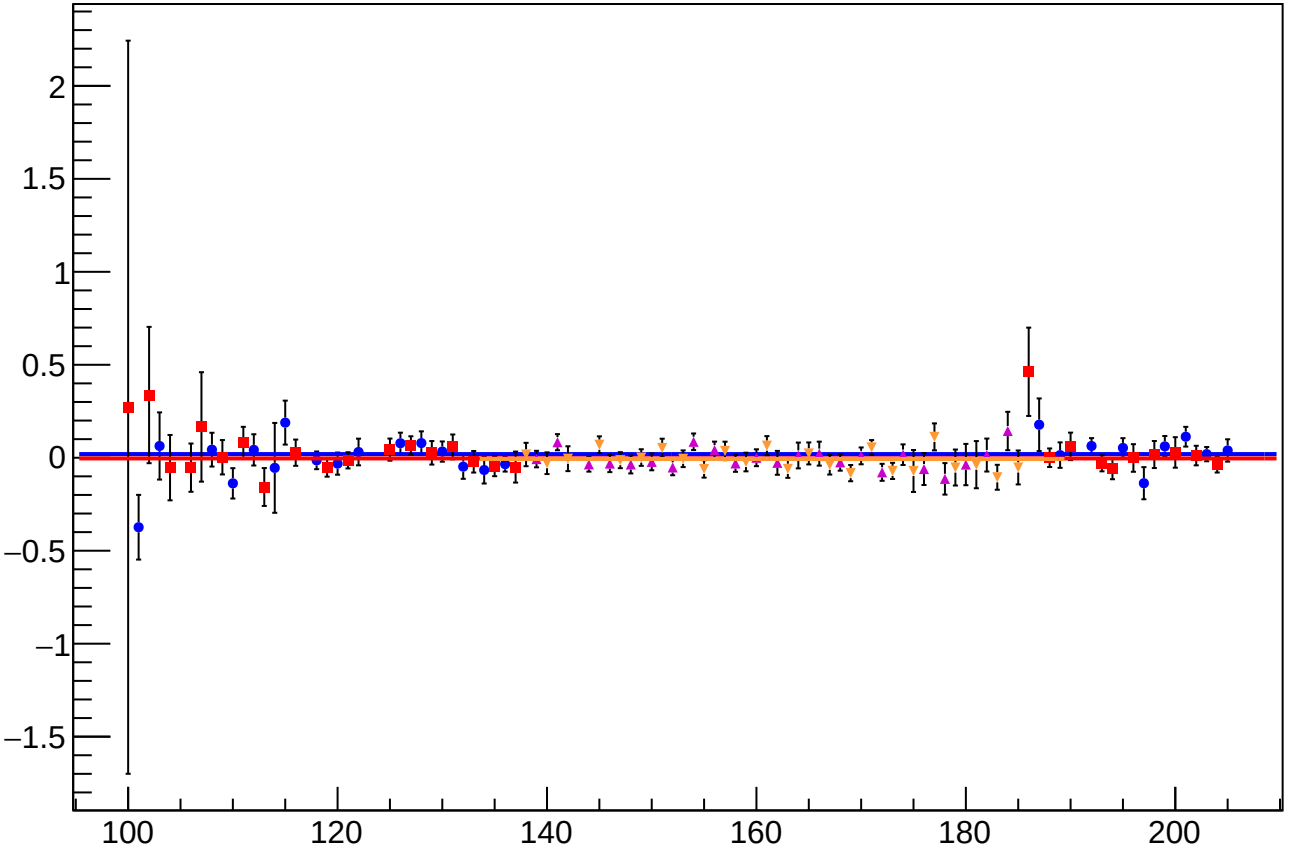
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.820+/-0.006 χ^2/NDF: 3819397.0/48

All: 41.459+/-0.004 χ^2/NDF: 8321282.7/99

- sign 41.108+/-0.006 χ^2/NDF: 4494300.6/50

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

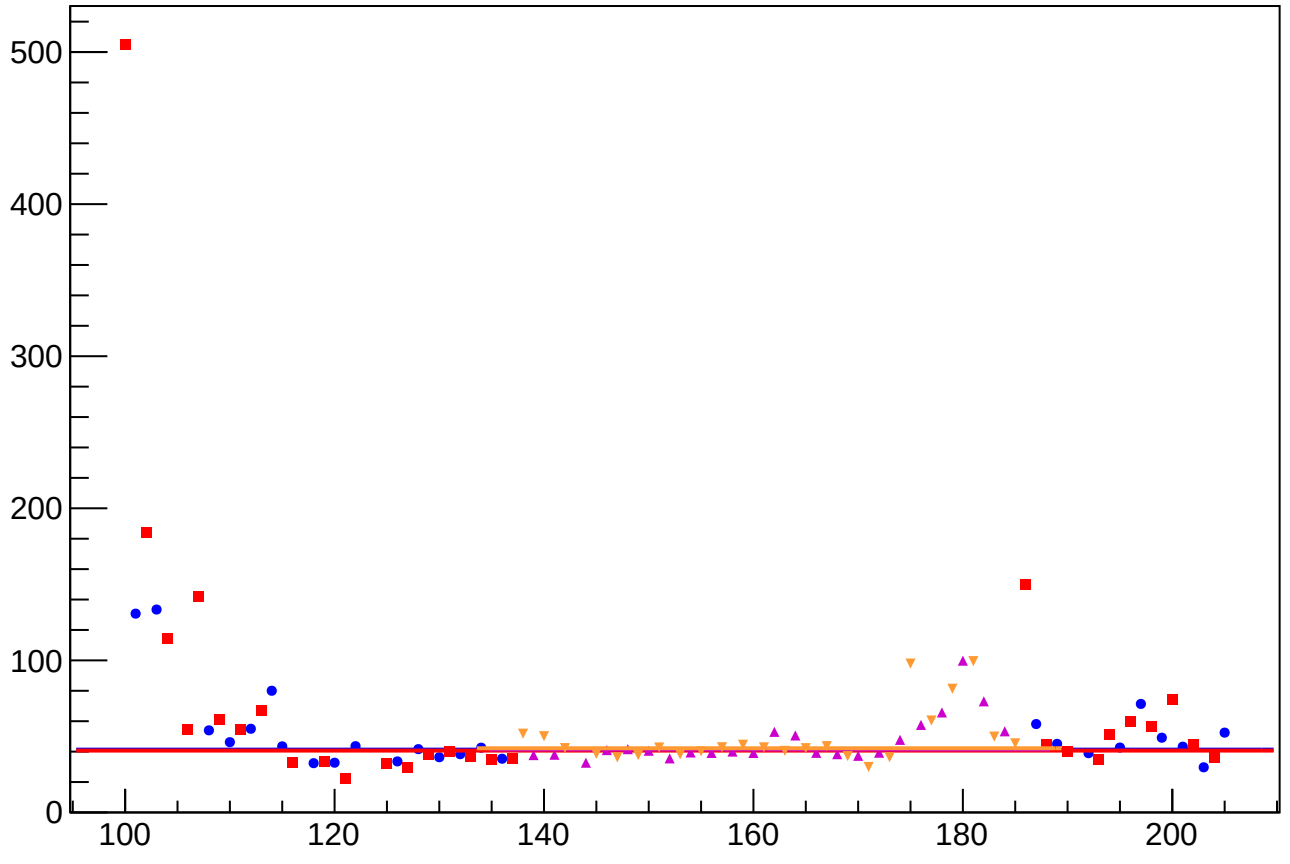
Right Out: -0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/99

- sign -0.005+/-0.008 χ^2/NDF: 38.0/50



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

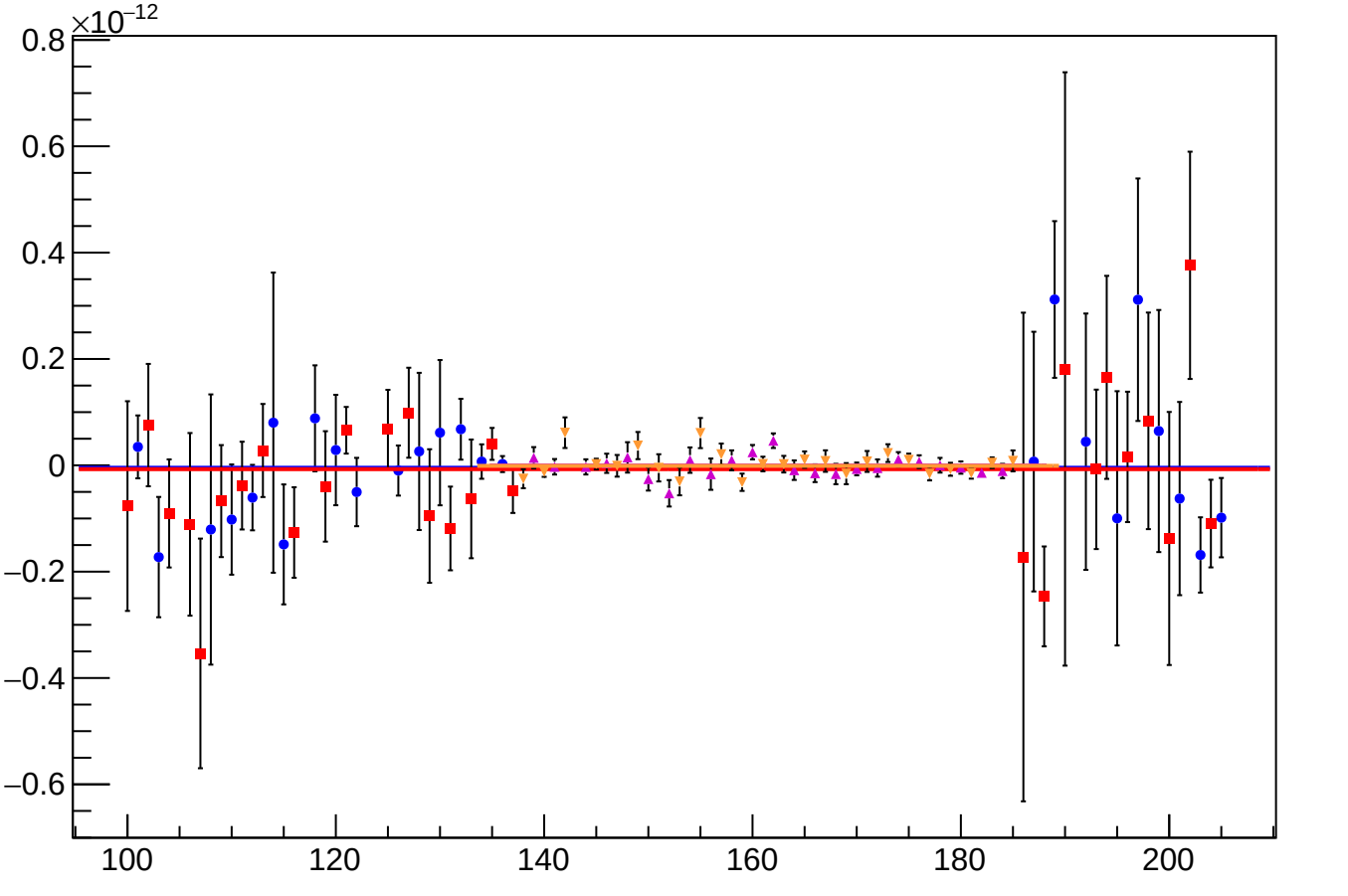
Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.820+/-0.006 χ^2/NDF: 3819397.0/48

All: 41.459+/-0.004 χ^2/NDF: 8321282.7/99

- sign 41.108+/-0.006 χ^2/NDF: 4494300.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

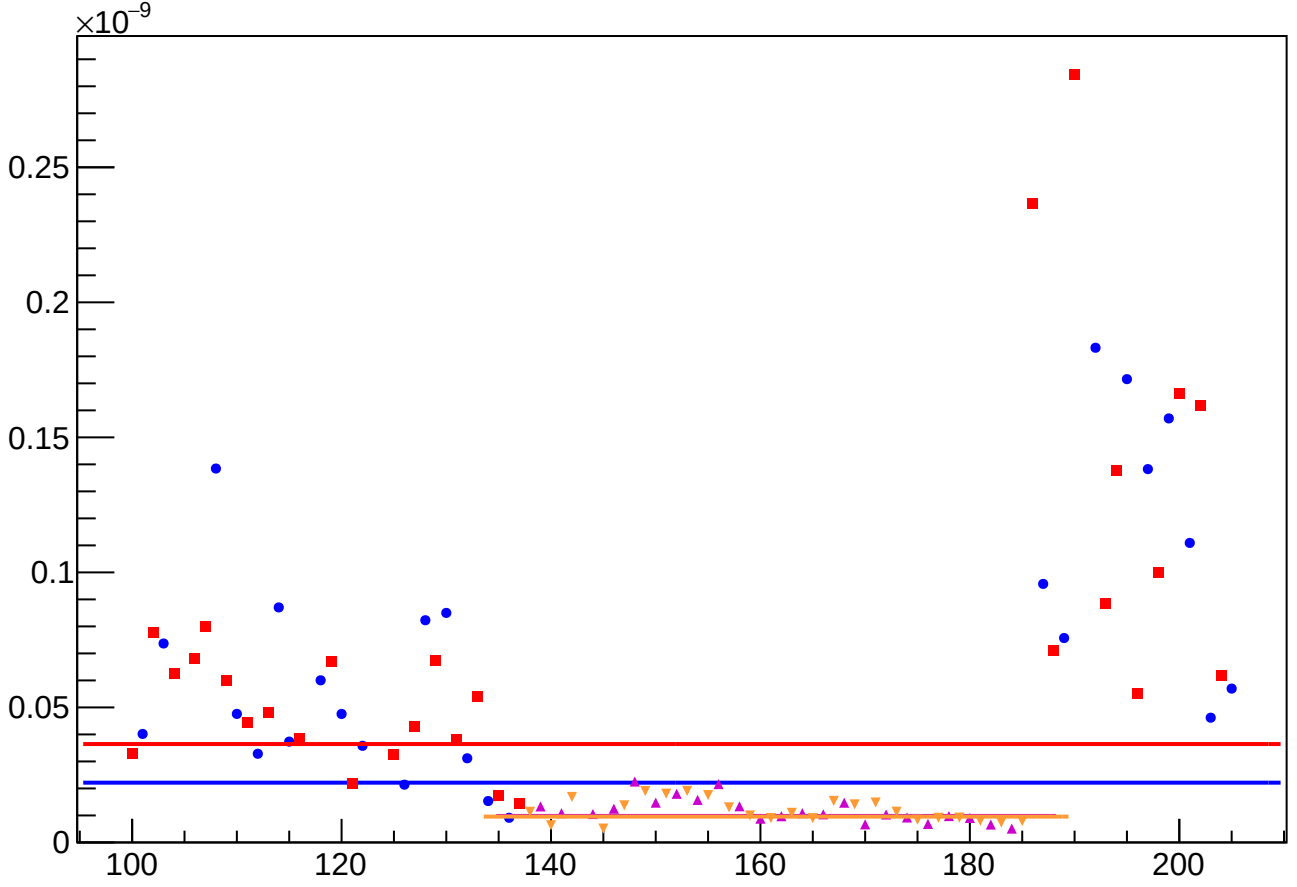
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/27

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/48

All: -0.000+/-0.000 χ^2/NDF: 113.4/99

- sign -0.000+/-0.000 χ^2/NDF: 59.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 8711216.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6219396.4/27

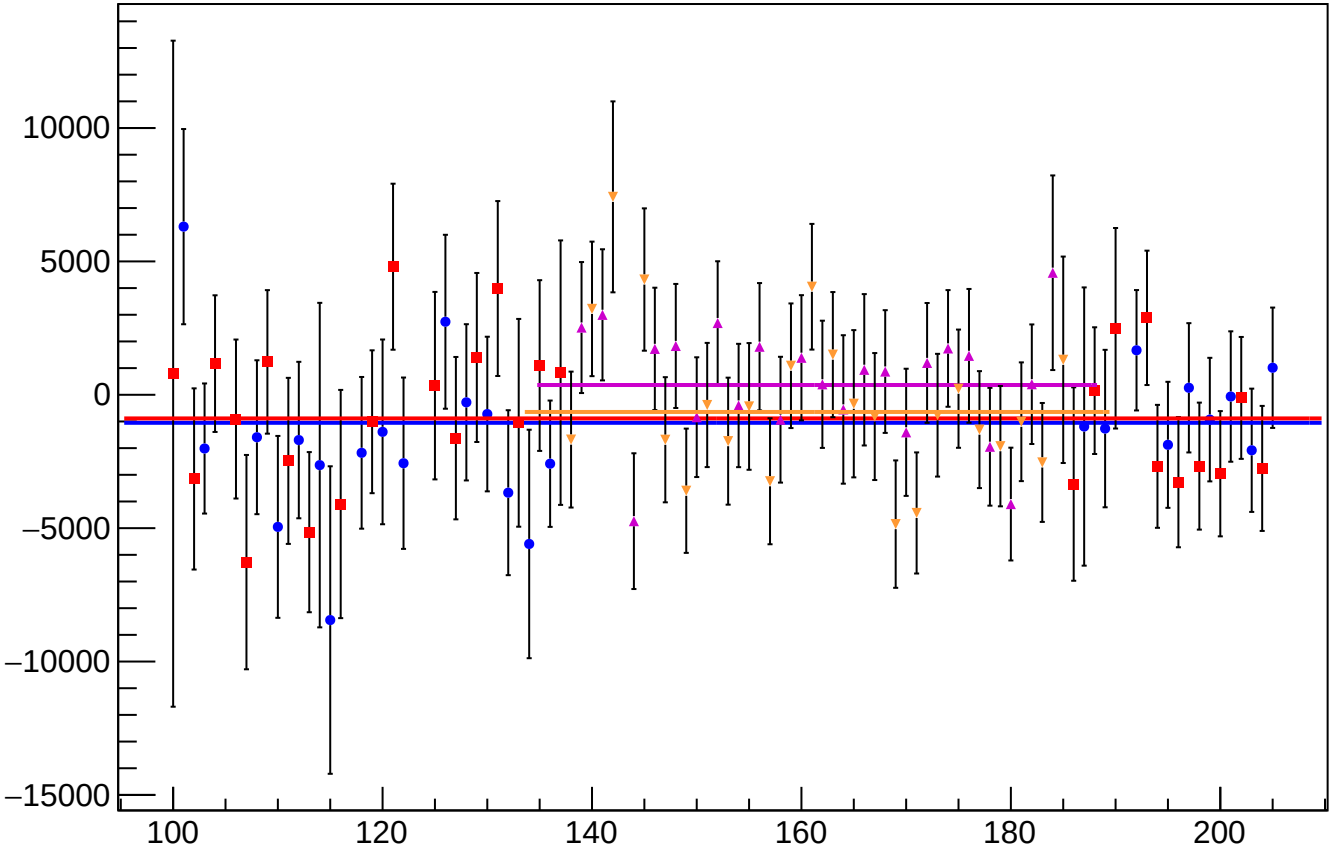
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13513657.7/48

All: 0.000+/-0.000 χ^2/NDF: 27662880.9/99

- sign 0.000+/-0.000 χ^2/NDF: 14128704.3/50

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1049.894+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -886.049+/-556.854 χ^2/NDF: 20.5/27

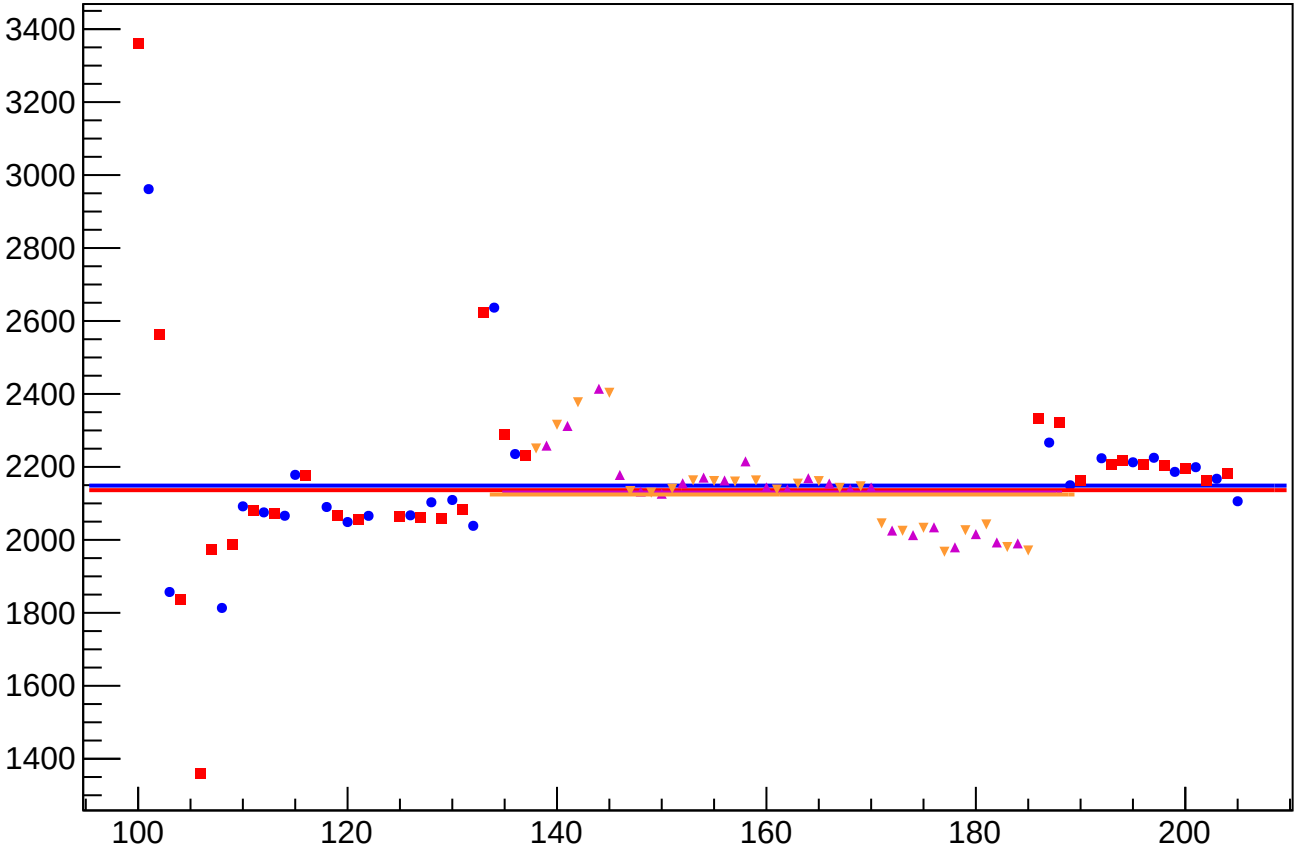
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -816.265+/-374.457 χ^2/NDF: 41.9/48

All: -500.285+/-263.610 χ^2/NDF: 83.9/99

- sign -189.834+/-371.166 χ^2/NDF: 40.6/50

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.2/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

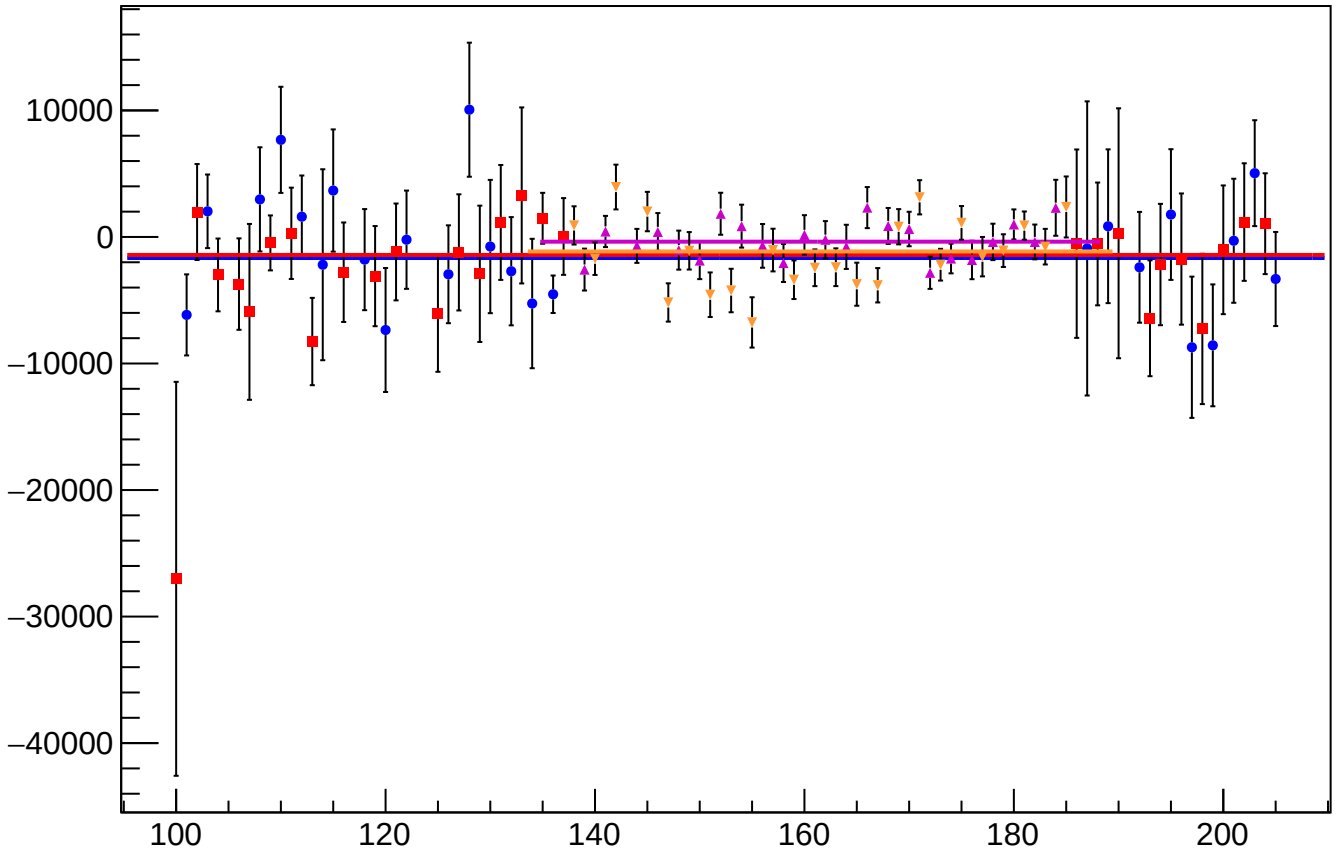
Right Out: 2136.277+/-0.394 χ^2/NDF: 295464.0/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2134.766+/-0.265 χ^2/NDF: 293766.8/48

All: 2133.740+/-0.186 χ^2/NDF: 674761.0/99

- sign 2132.731+/-0.262 χ^2/NDF: 380964.4/50



Right In: -1661.107+/-763.615 χ^2/NDF: 30.0/24

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

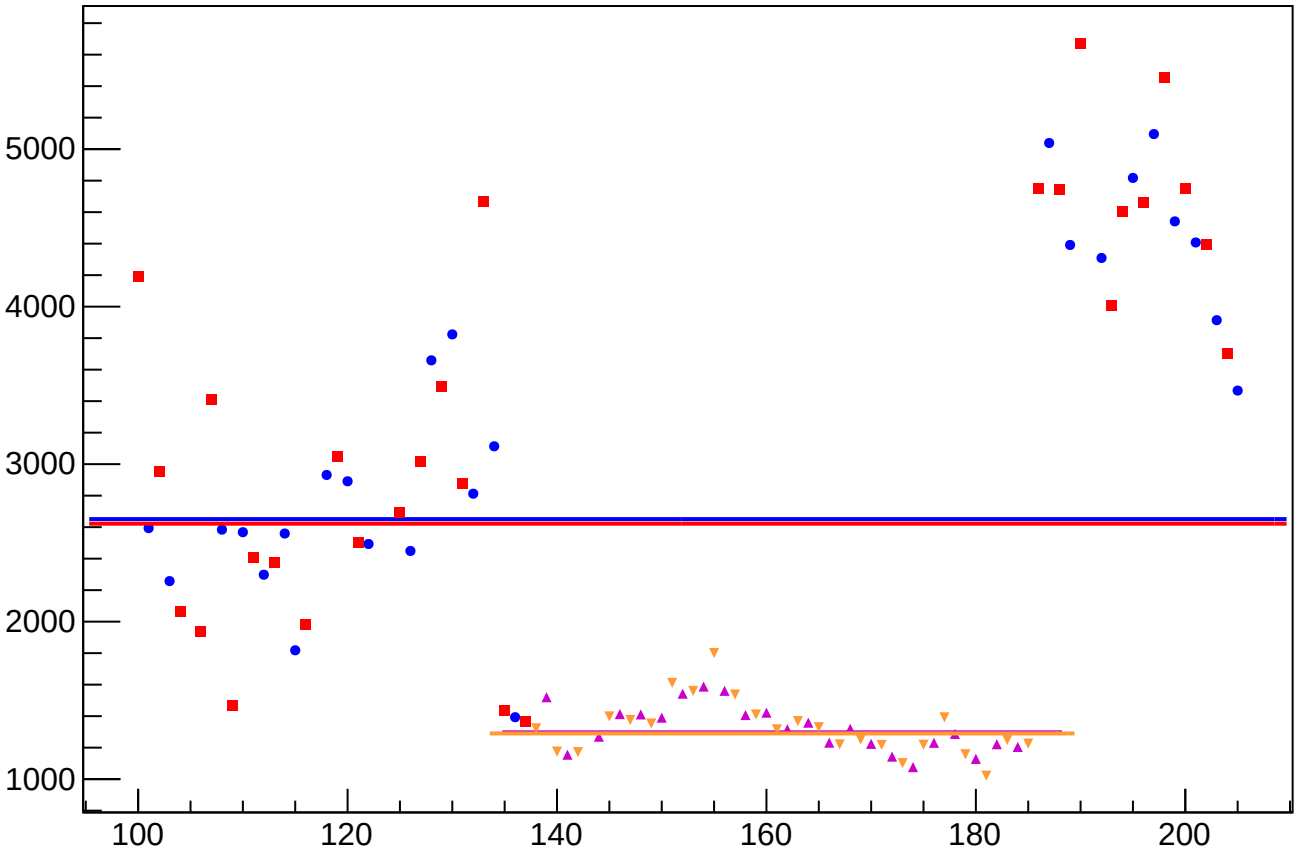
Right Out: -1423.147+/-747.154 χ^2/NDF: 16.4/27

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1214.843+/-281.227 χ^2/NDF: 97.9/48

All: -870.989+/-199.369 χ^2/NDF: 139.3/99

- sign -523.578+/-282.678 χ^2/NDF: 38.4/50



Right In: 2651.118+/-0.540 χ^2/NDF: 3893445.8/24

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

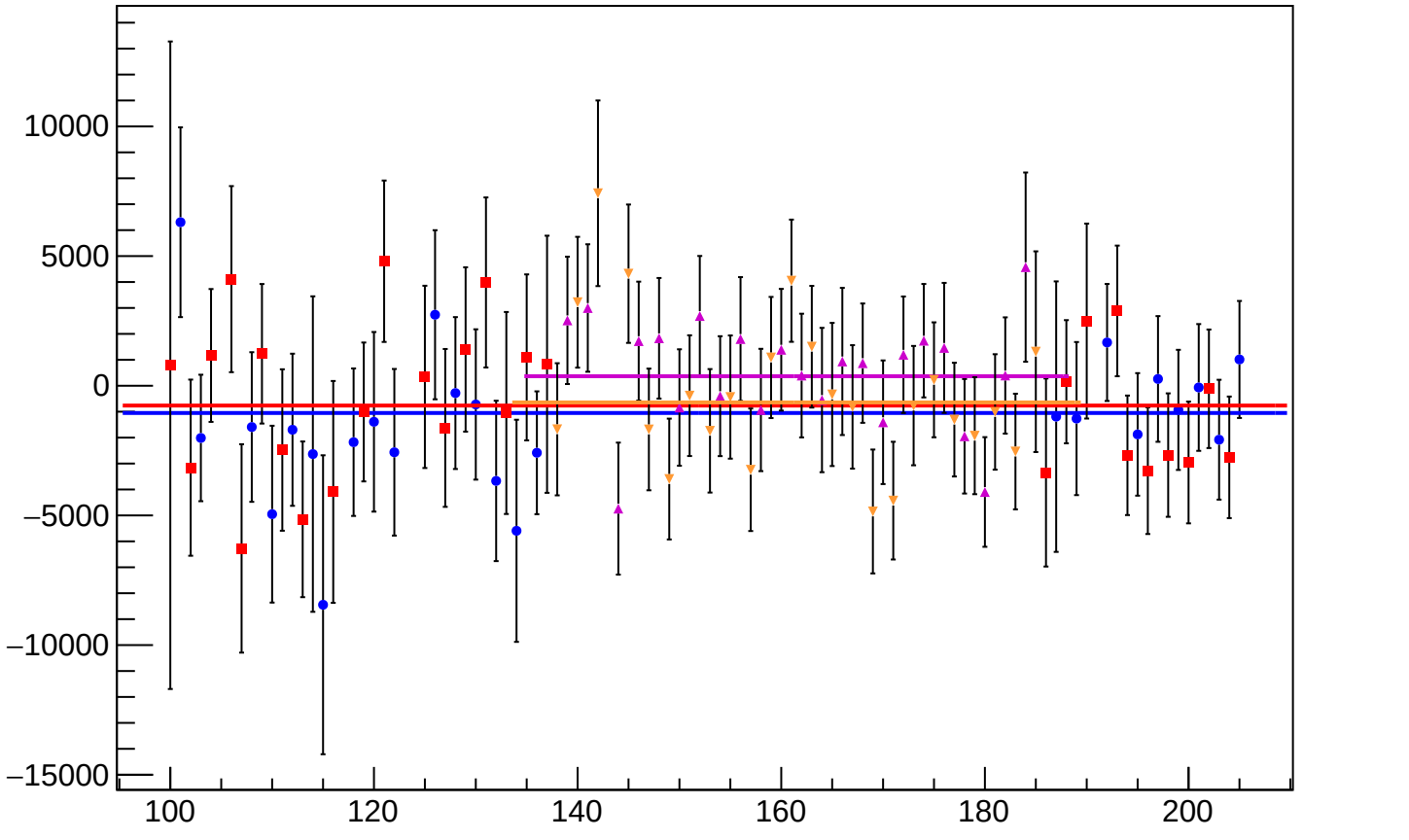
Right Out: 2621.989+/-0.528 χ^2/NDF: 4963717.7/27

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1474.638+/-0.199 χ^2/NDF: 9953662.8/48

All: 1480.812+/-0.141 χ^2/NDF: 20739055.7/9

- sign 1487.050+/-0.200 χ^2/NDF: 10783455.0/50



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -763.727+/-559.892 χ^2/NDF: 22.4/27

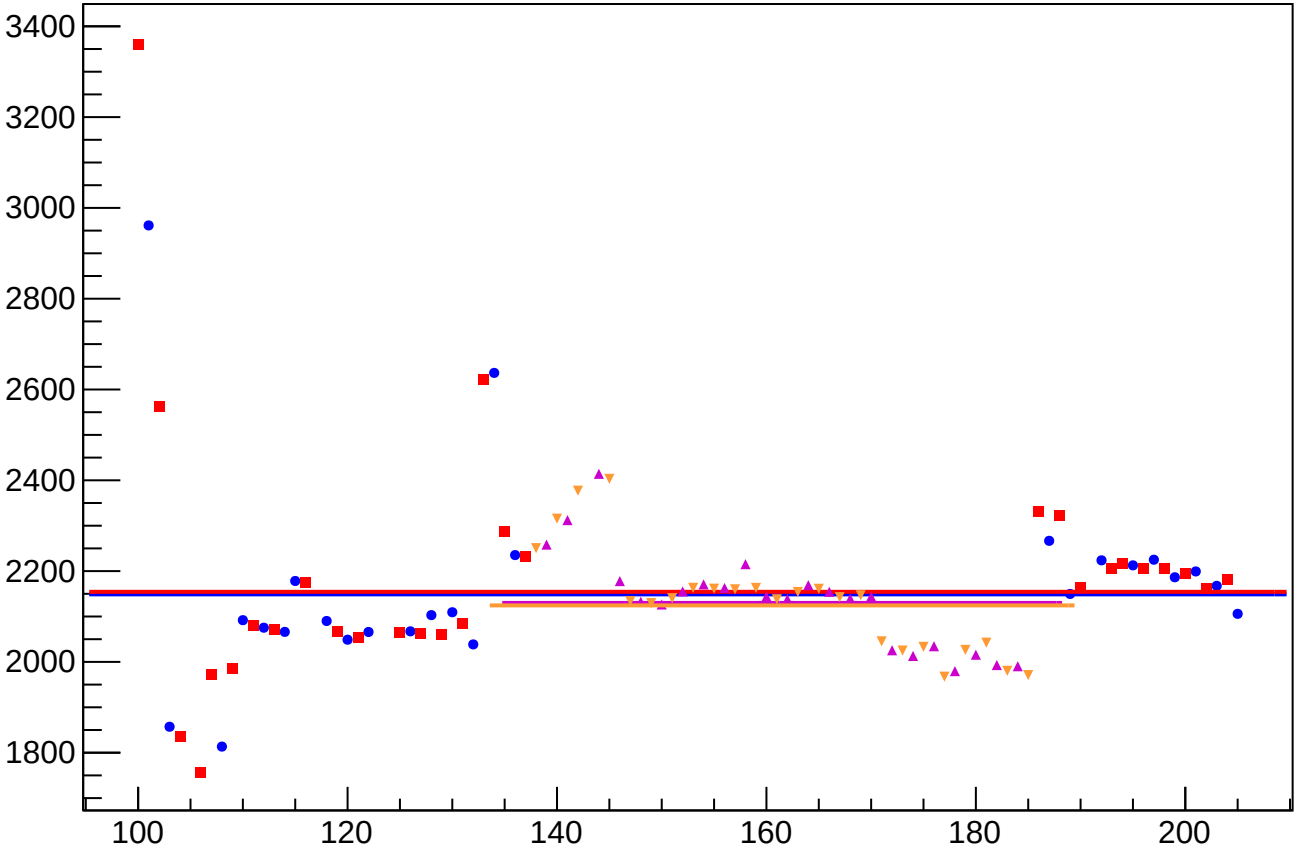
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -816.203+/-374.457 χ^2/NDF: 41.9/48

All: -472.165+/-263.930 χ^2/NDF: 85.5/99

\- sign -132.515+/-372.062 χ^2/NDF: 42.0/50

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

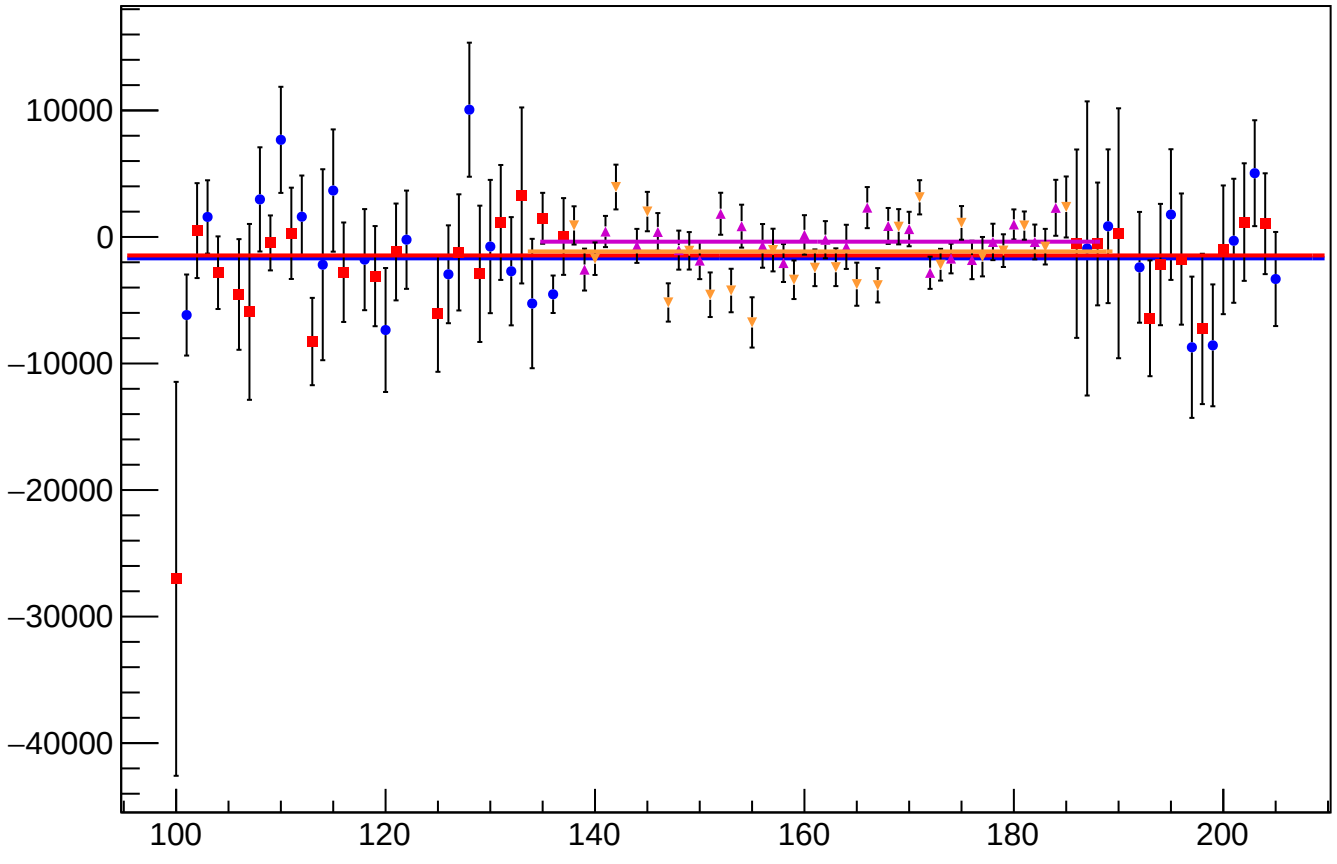
Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.766+/-0.265 χ^2/NDF: 293767.1/48

All: 2137.758+/-0.187 χ^2/NDF: 561935.4/99

- sign 2140.712+/-0.263 χ^2/NDF: 267914.5/50



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

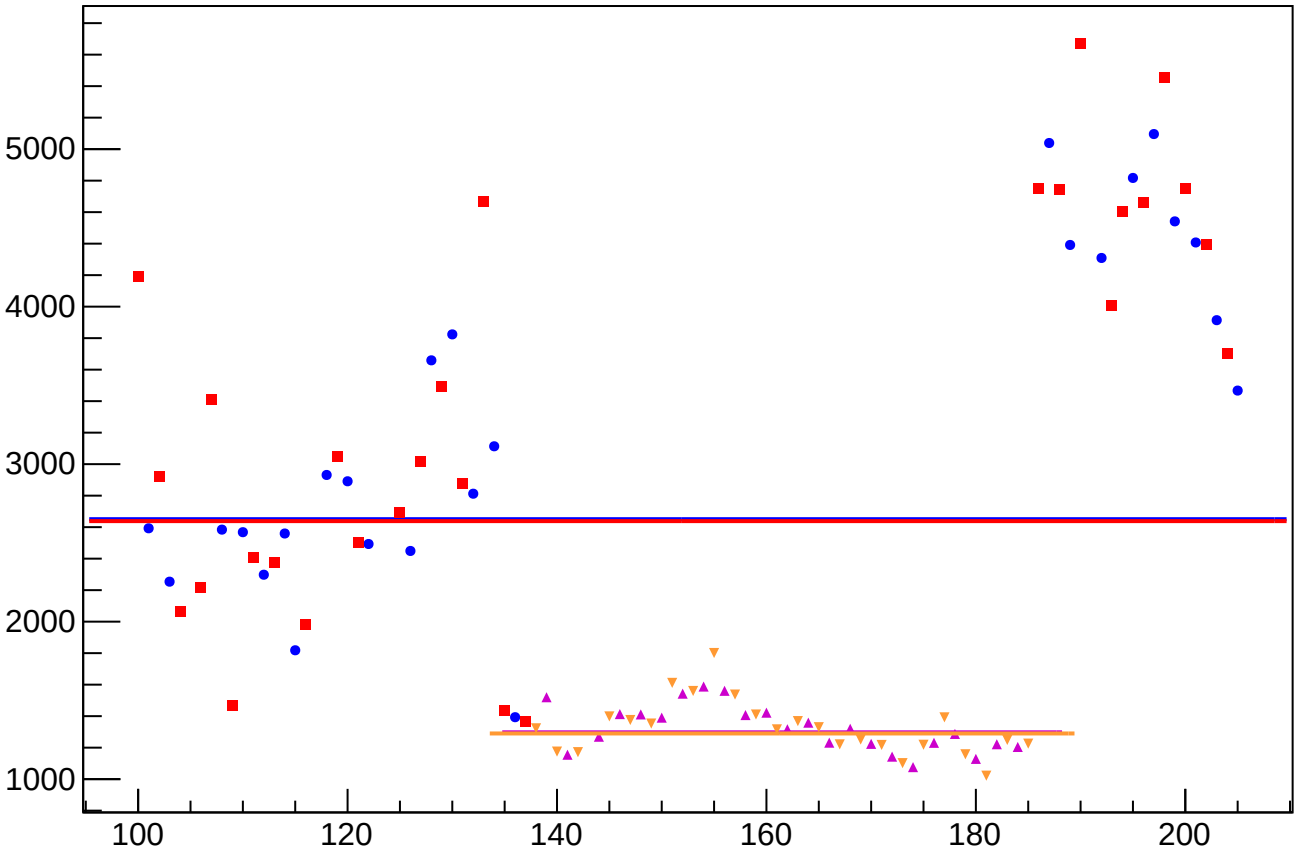
Right Out: -1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1218.892+/-281.219 χ^2/NDF: 97.6/48

All: -875.113+/-199.454 χ^2/NDF: 138.6/99

- sign -527.140+/-282.929 χ^2/NDF: 38.0/50



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

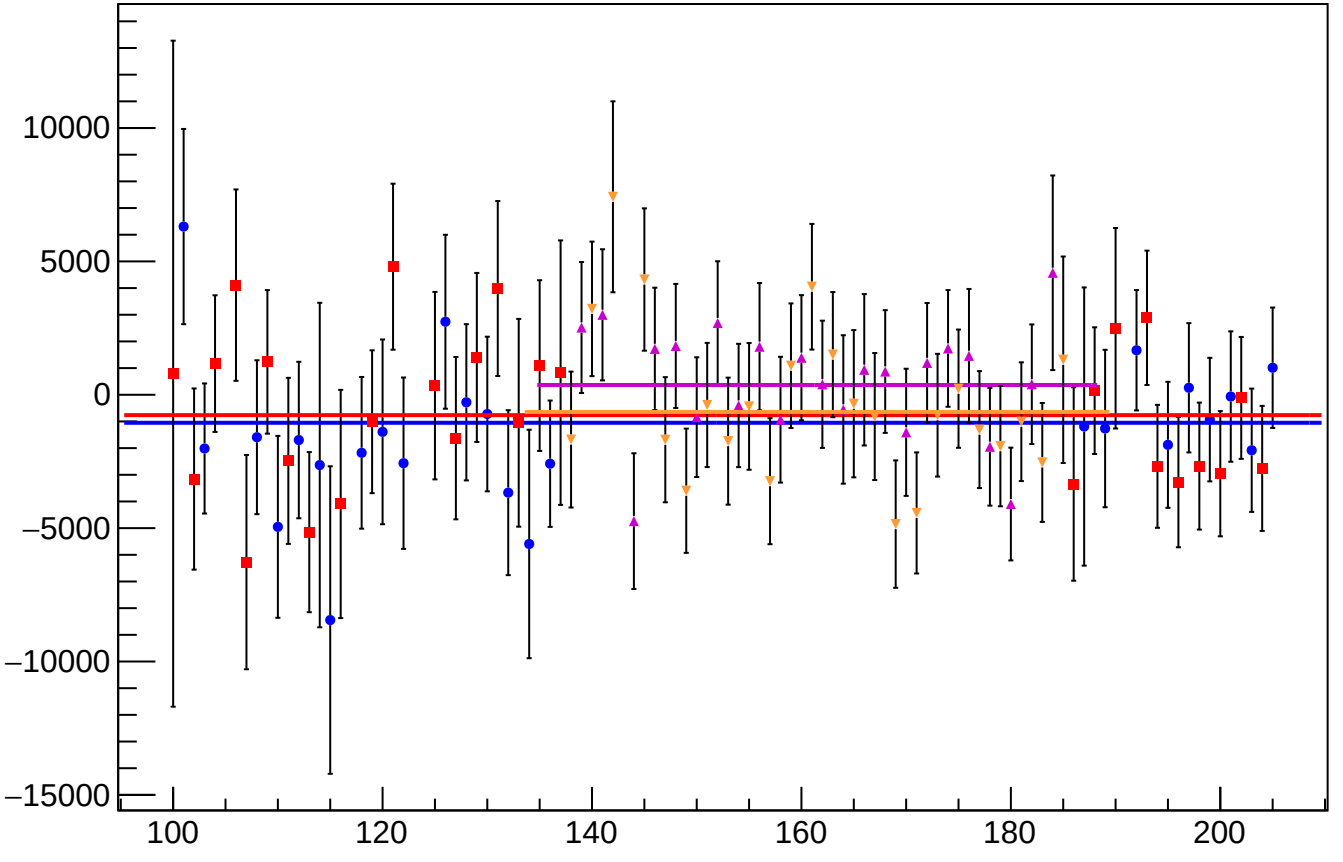
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1474.667+/-0.199 χ^2/NDF: 9952898.8/48

All: 1480.970+/-0.141 χ^2/NDF: 20756781.5/9

- sign 1487.350+/-0.200 χ^2/NDF: 10801860.8/50

eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -763.727+/-559.892 χ^2/NDF: 22.4/27

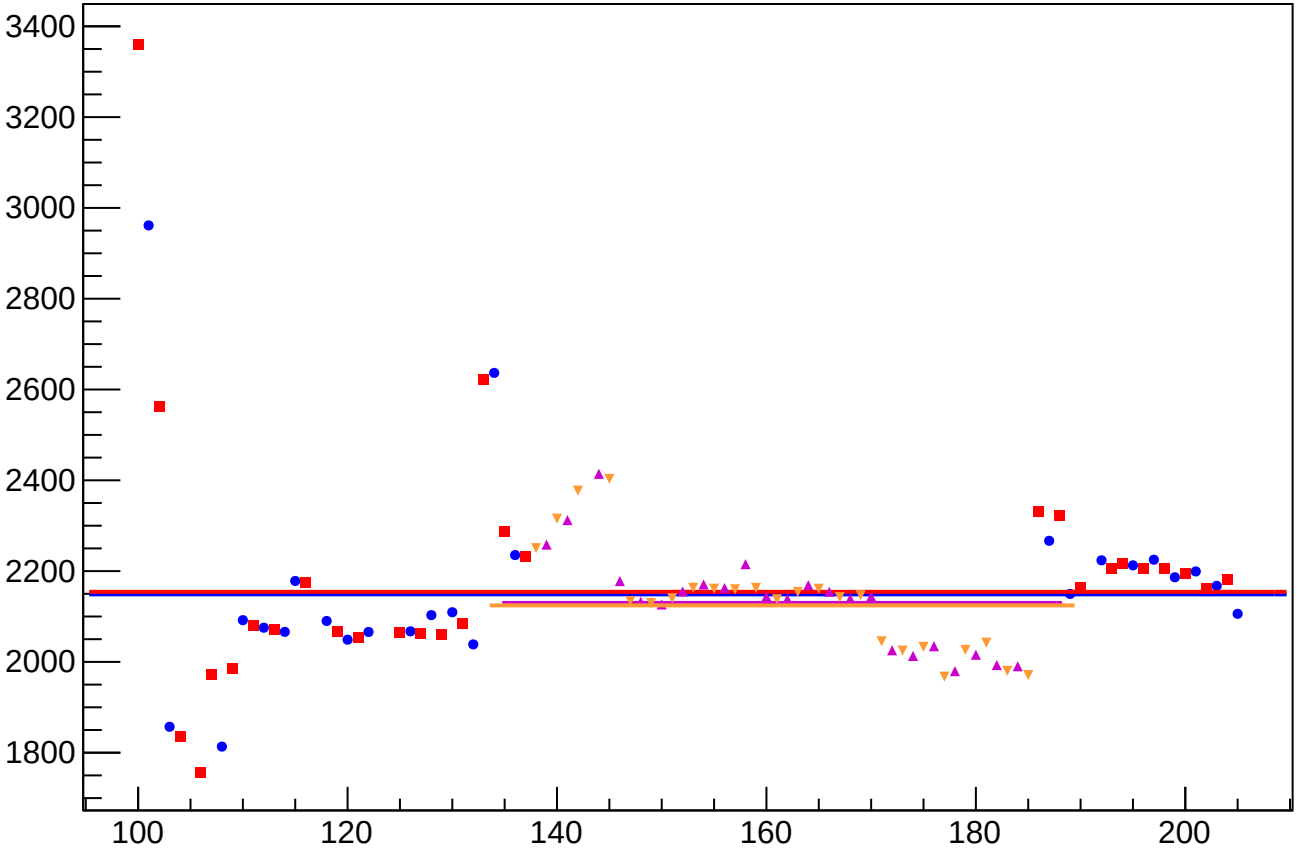
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -816.203+/-374.457 χ^2/NDF: 41.9/48

All: -472.165+/-263.930 χ^2/NDF: 85.5/99

- sign -132.515+/-372.062 χ^2/NDF: 42.0/50

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

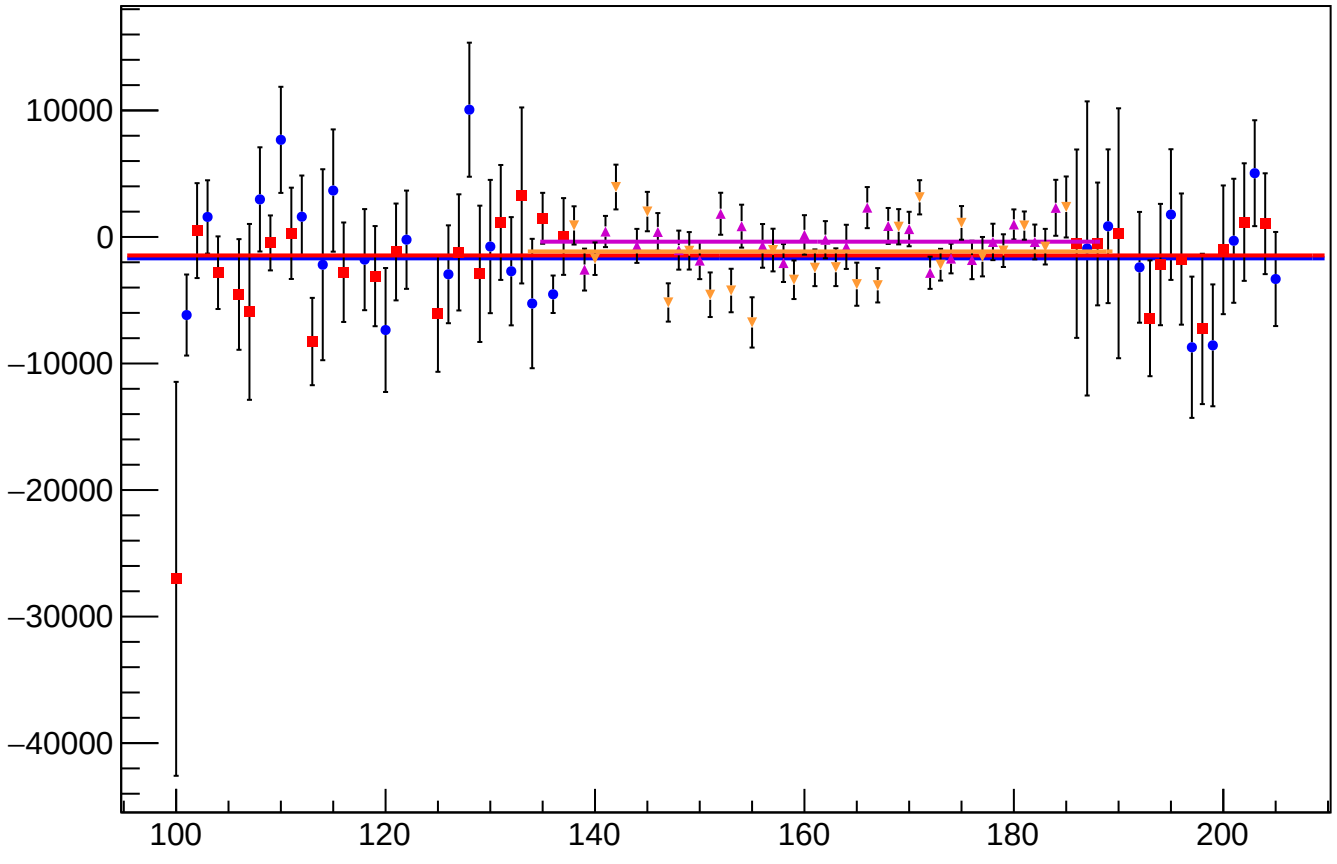
Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.766+/-0.265 χ^2/NDF: 293767.1/48

All: 2137.758+/-0.187 χ^2/NDF: 561935.4/99

- sign 2140.712+/-0.263 χ^2/NDF: 267914.5/50



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

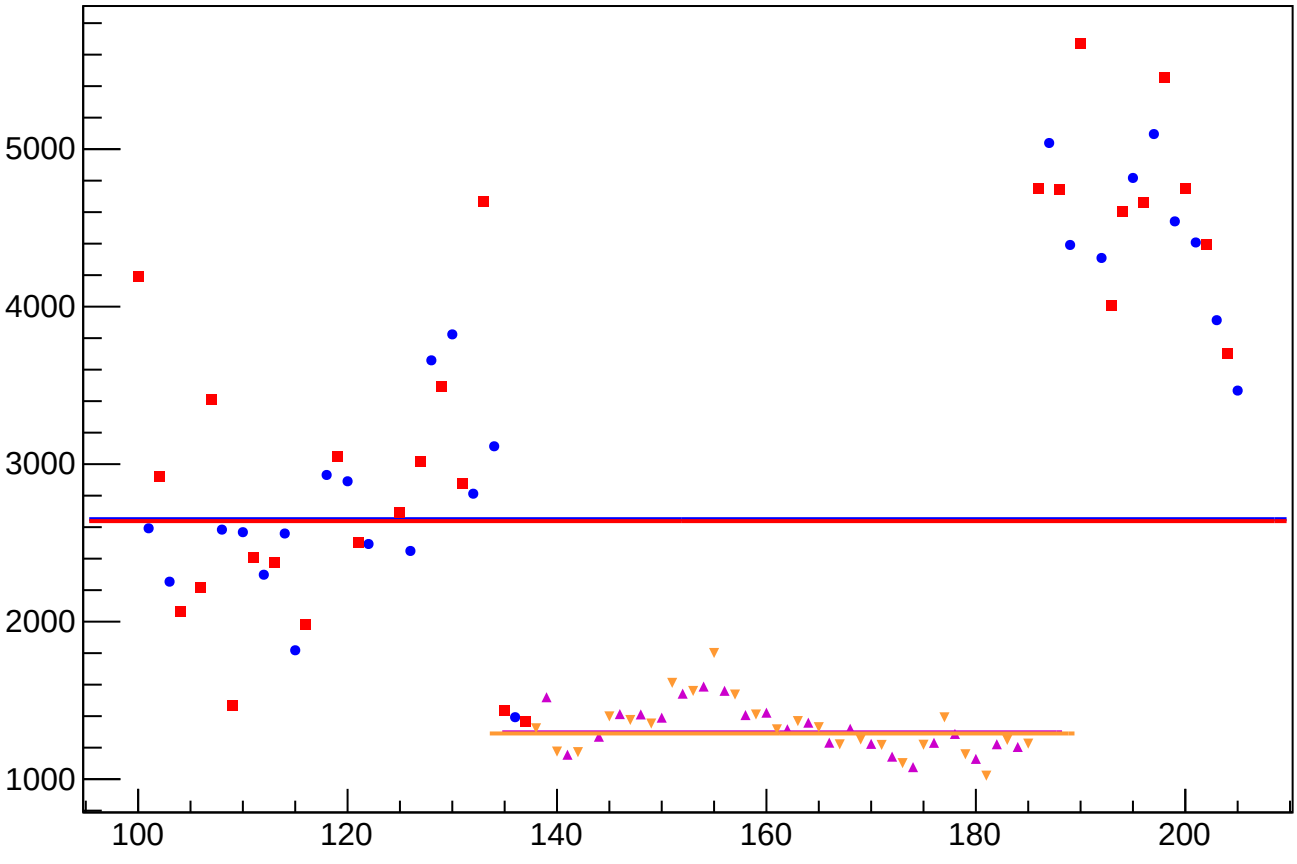
Right Out: -1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1218.892+/-281.219 χ^2/NDF: 97.6/48

All: -875.113+/-199.454 χ^2/NDF: 138.6/99

- sign -527.140+/-282.929 χ^2/NDF: 38.0/50



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

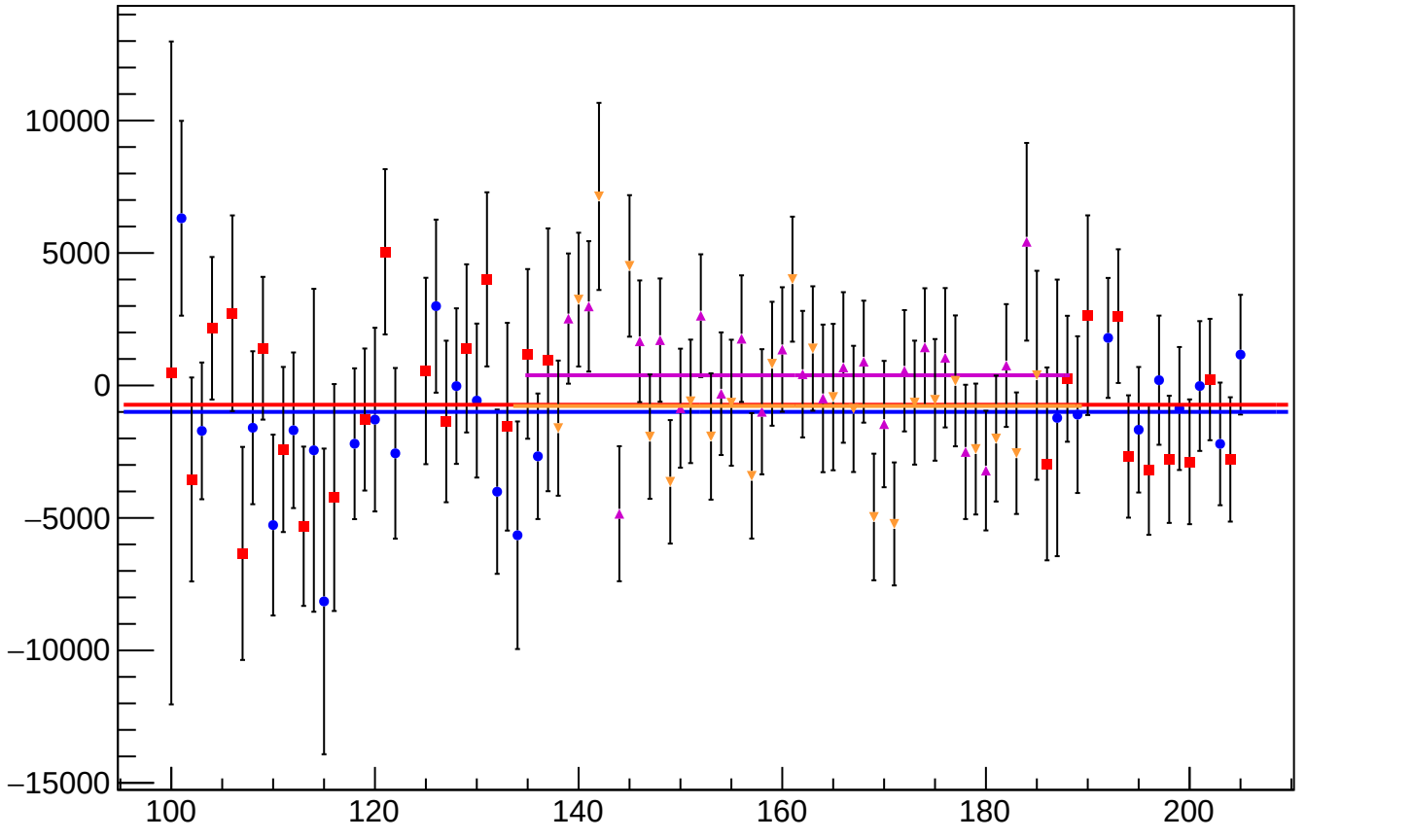
Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1474.667+/-0.199 χ^2/NDF: 9952898.8/48

All: 1480.970+/-0.141 χ^2/NDF: 20756781.5/9

- sign 1487.350+/-0.200 χ^2/NDF: 10801860.8/50



Right In: -997.285+/-577.549 χ^2/NDF: 15.1/24

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -728.059+/-564.435 χ^2/NDF: 22.5/27

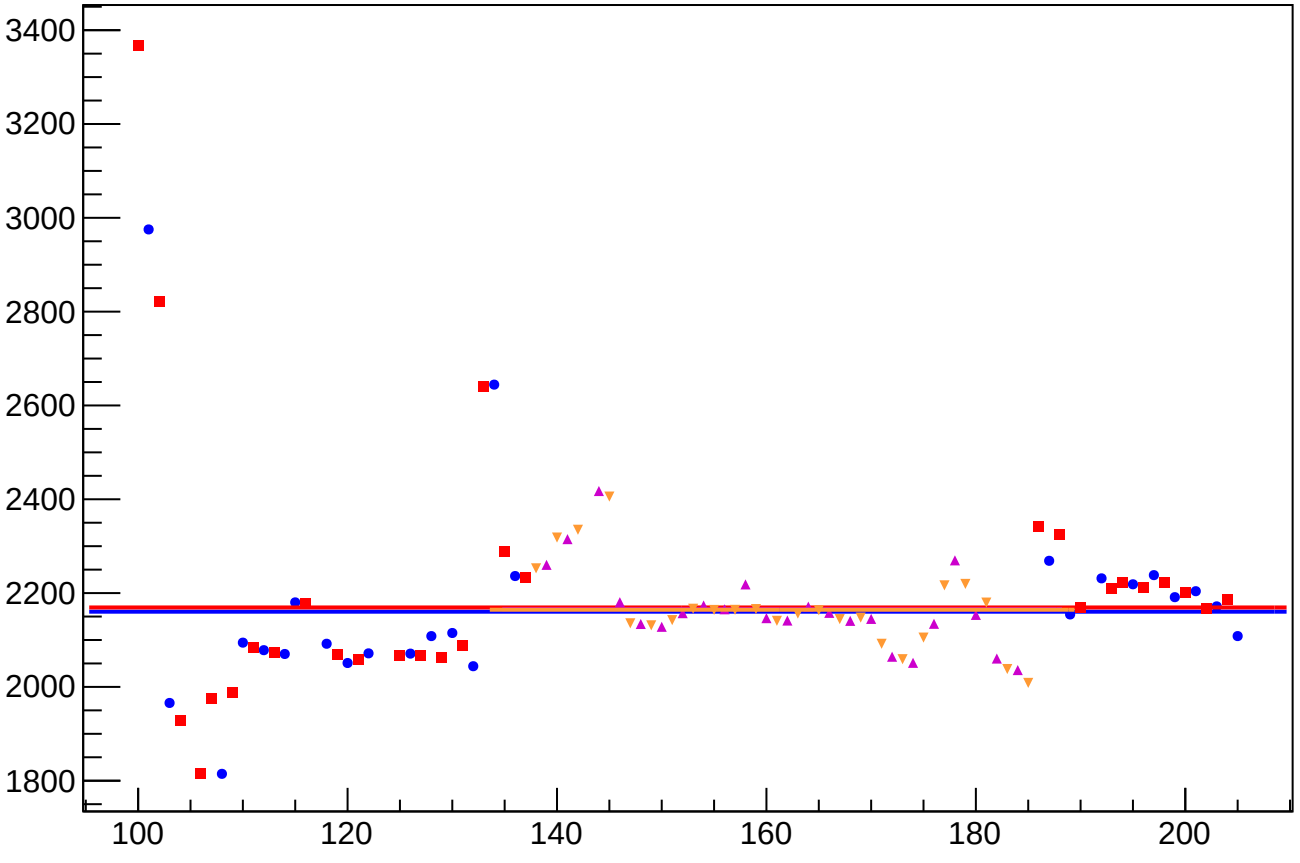
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -870.031+/-379.233 χ^2/NDF: 43.8/48

All: -487.989+/-267.290 χ^2/NDF: 86.1/99

- sign -110.856+/-376.789 χ^2/NDF: 40.3/50

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.360+/-0.408 χ^2/NDF: 186799.0/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

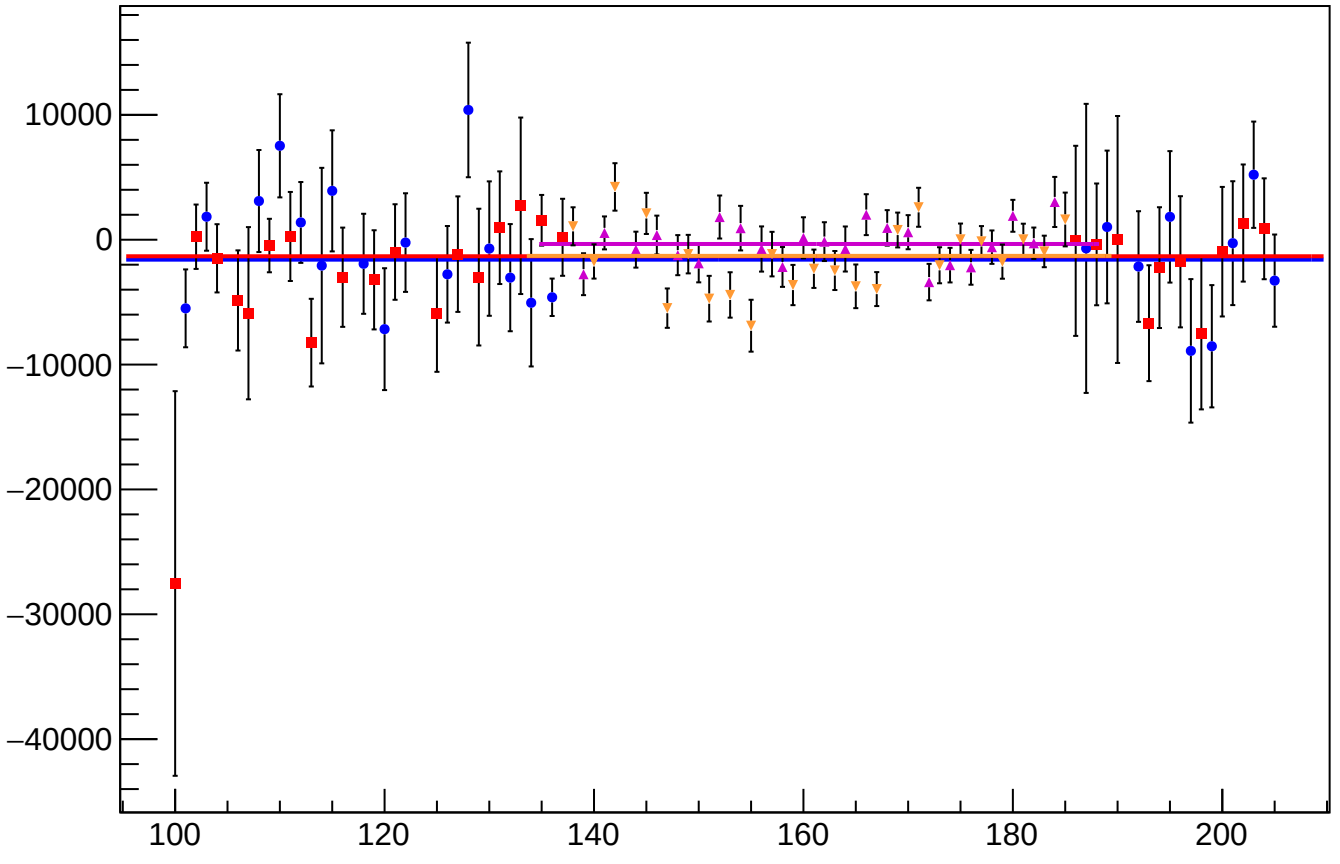
Right Out: 2169.374+/-0.399 χ^2/NDF: 188625.9/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2162.733+/-0.268 χ^2/NDF: 237534.6/48

All: 2165.034+/-0.189 χ^2/NDF: 478479.7/99

- sign 2167.306+/-0.266 χ^2/NDF: 240798.8/50



Right In: -1595.153+/-763.569 χ^2/NDF: 29.7/24

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

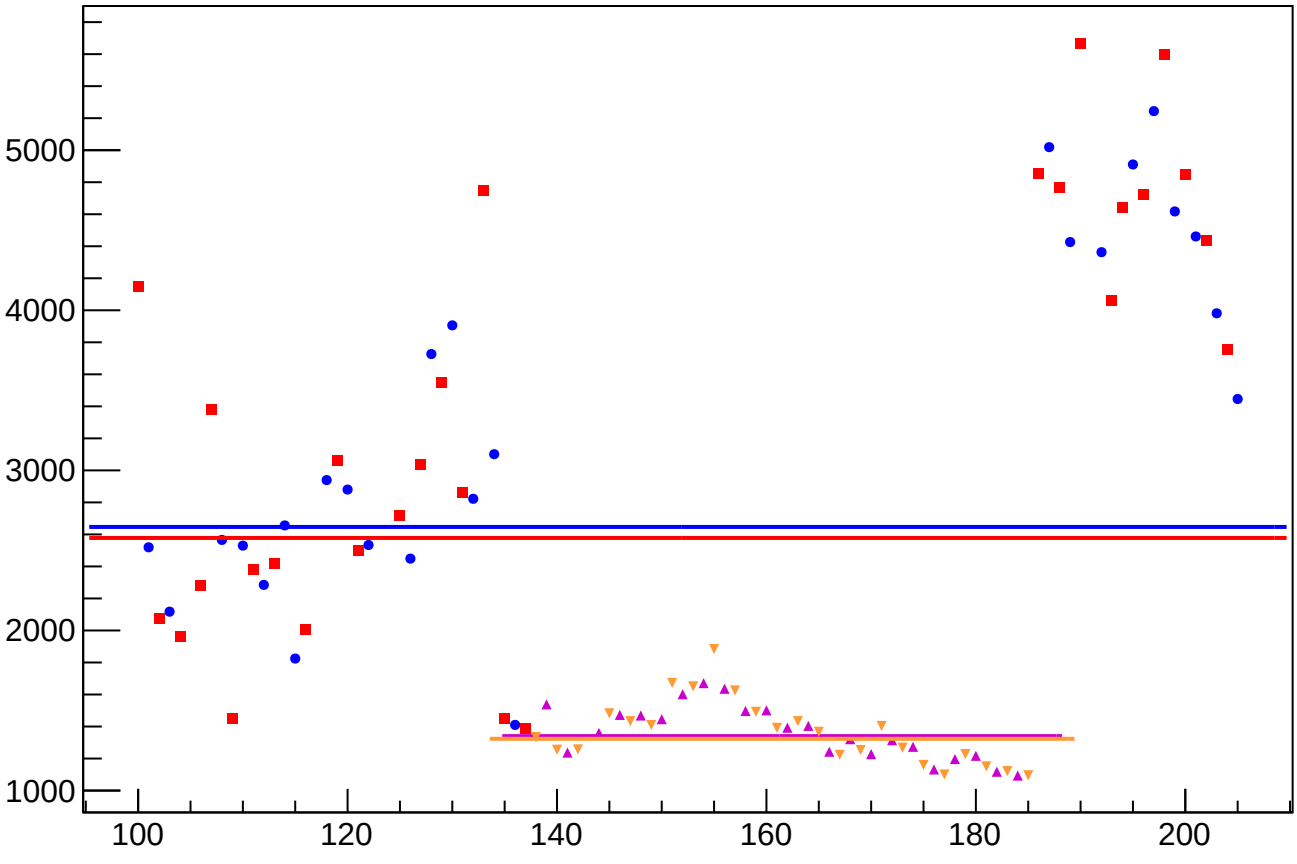
Right Out: -1324.456+/-734.501 χ^2/NDF: 16.2/27

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1336.517+/-287.725 χ^2/NDF: 88.5/48

All: -918.717+/-204.231 χ^2/NDF: 135.2/99

- sign -494.463+/-289.939 χ^2/NDF: 42.4/50



Right In: 2646.724+/-0.540 χ^2/NDF: 3970535.5/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

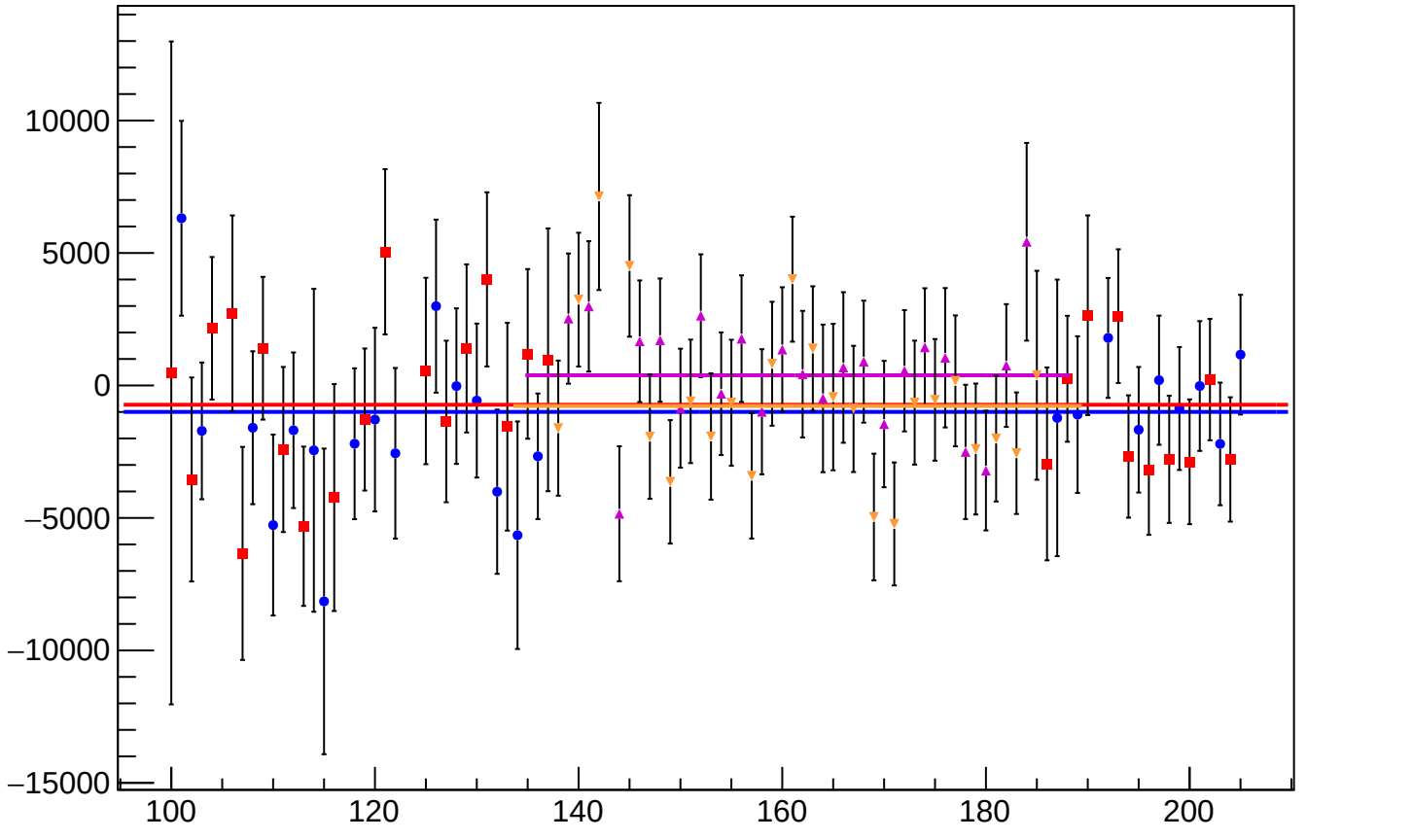
Right Out: 2578.018+/-0.519 χ^2/NDF: 5104139.0/27

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1511.301+/-0.203 χ^2/NDF: 9788529.2/48

All: 1522.059+/-0.144 χ^2/NDF: 20188512.5/9

- sign 1532.982+/-0.205 χ^2/NDF: 10394348.8/50



Right In: -997.286+/-577.549 χ^2/NDF: 15.1/24

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -728.059+/-564.434 χ^2/NDF: 22.5/27

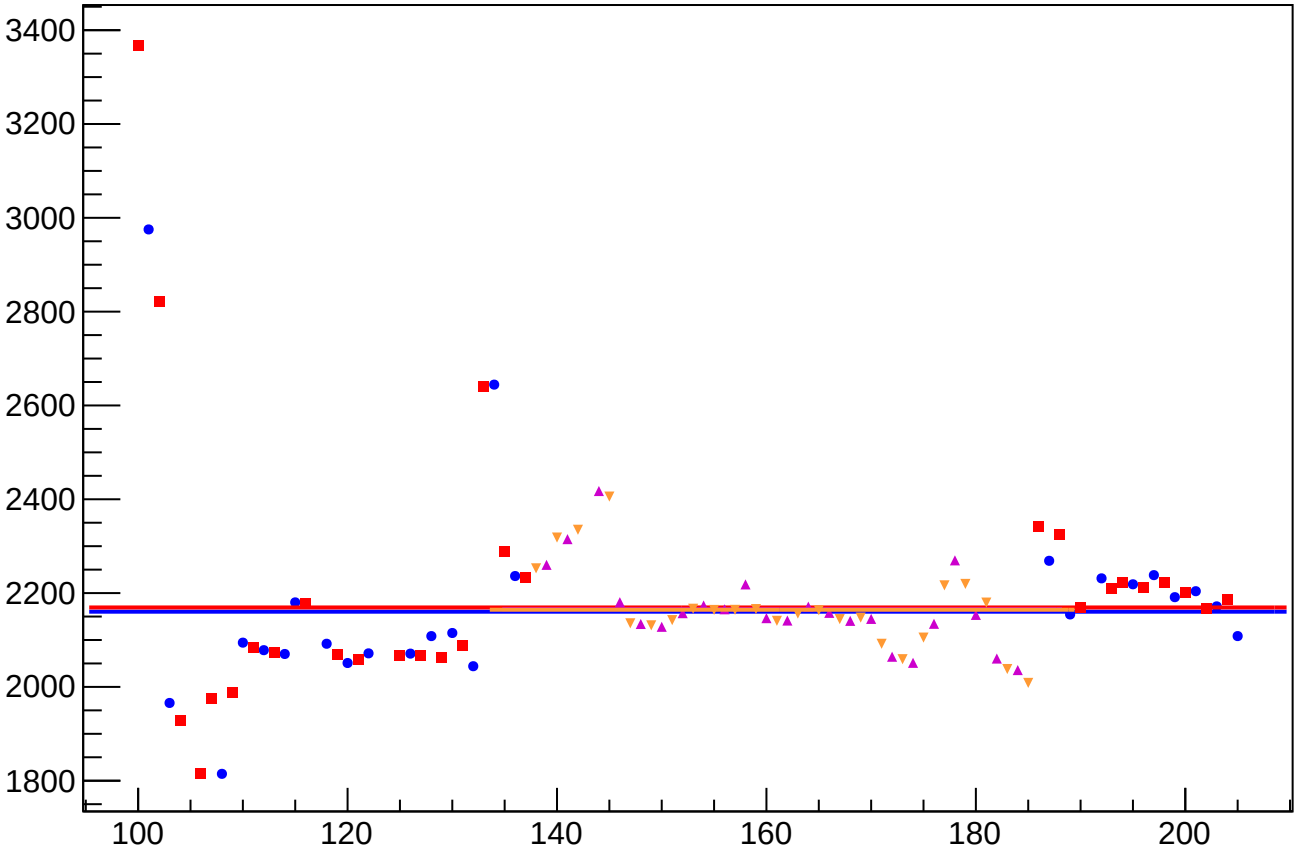
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -870.030+/-379.233 χ^2/NDF: 43.8/48

All: -487.989+/-267.290 χ^2/NDF: 86.1/99

- sign -110.856+/-376.788 χ^2/NDF: 40.3/50

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.360+/-0.408 χ^2/NDF: 186798.9/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

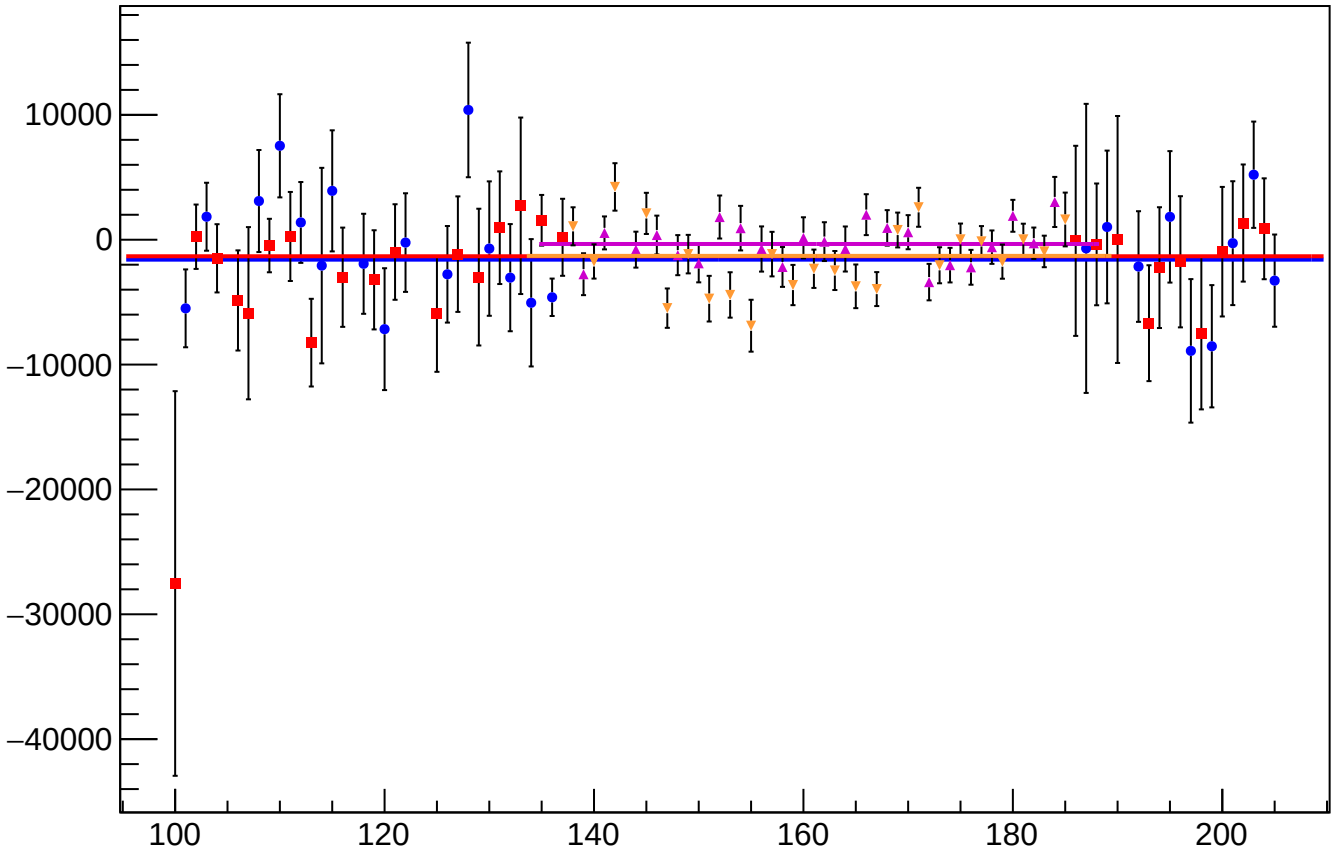
Right Out: 2169.373+/-0.399 χ^2/NDF: 188625.8/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2162.733+/-0.268 χ^2/NDF: 237534.6/48

All: 2165.034+/-0.189 χ^2/NDF: 478479.6/99

- sign 2167.305+/-0.266 χ^2/NDF: 240798.7/50



Right In: -1595.142+/-763.571 χ^2/NDF: 29.7/24

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

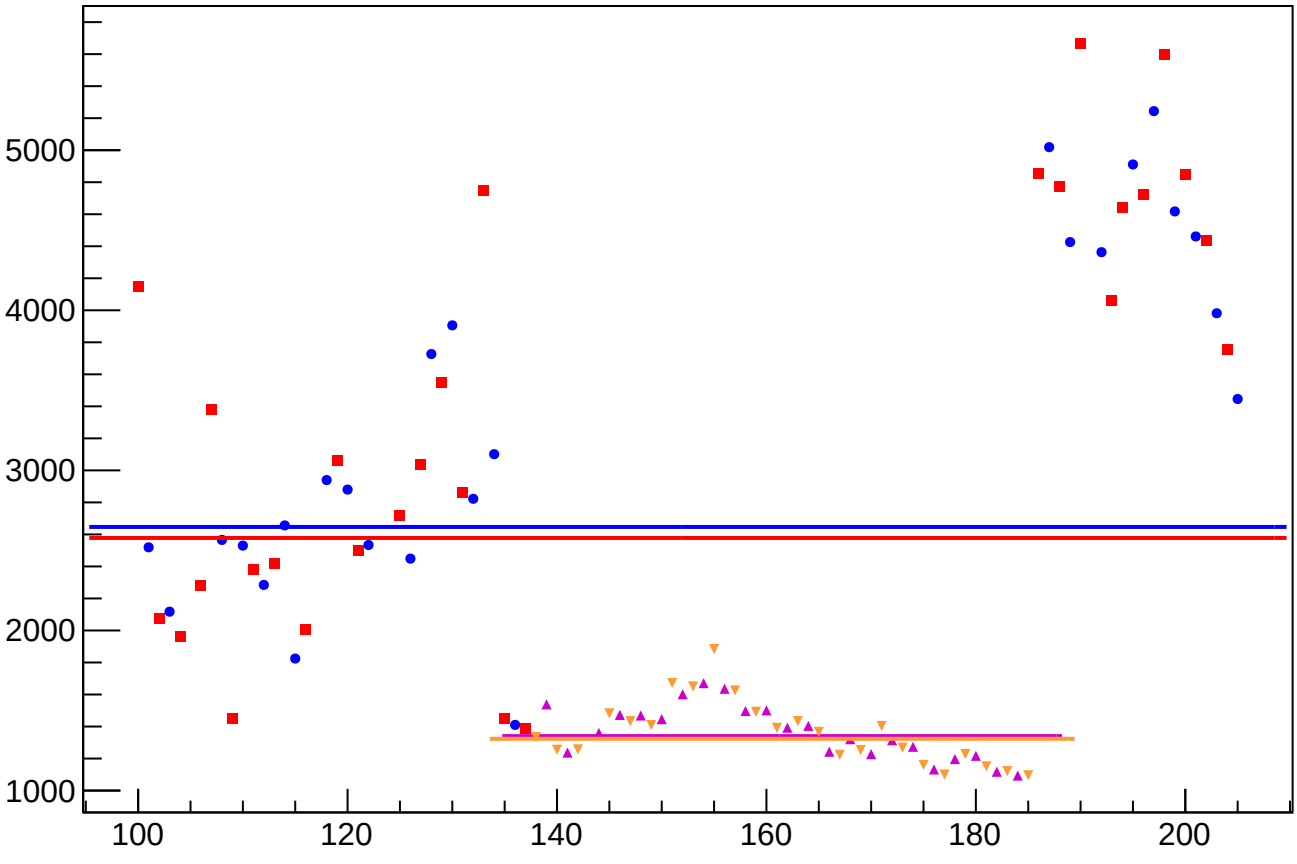
Right Out: -1324.470+/-734.503 χ^2/NDF: 16.2/27

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1336.516+/-287.725 χ^2/NDF: 88.5/48

All: -918.716+/-204.231 χ^2/NDF: 135.2/99

- sign -494.462+/-289.939 χ^2/NDF: 42.4/50



Right In: 2646.736+/-0.540 χ^2/NDF: 3970445.8/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2578.030+/-0.519 χ^2/NDF: 5104055.5/27

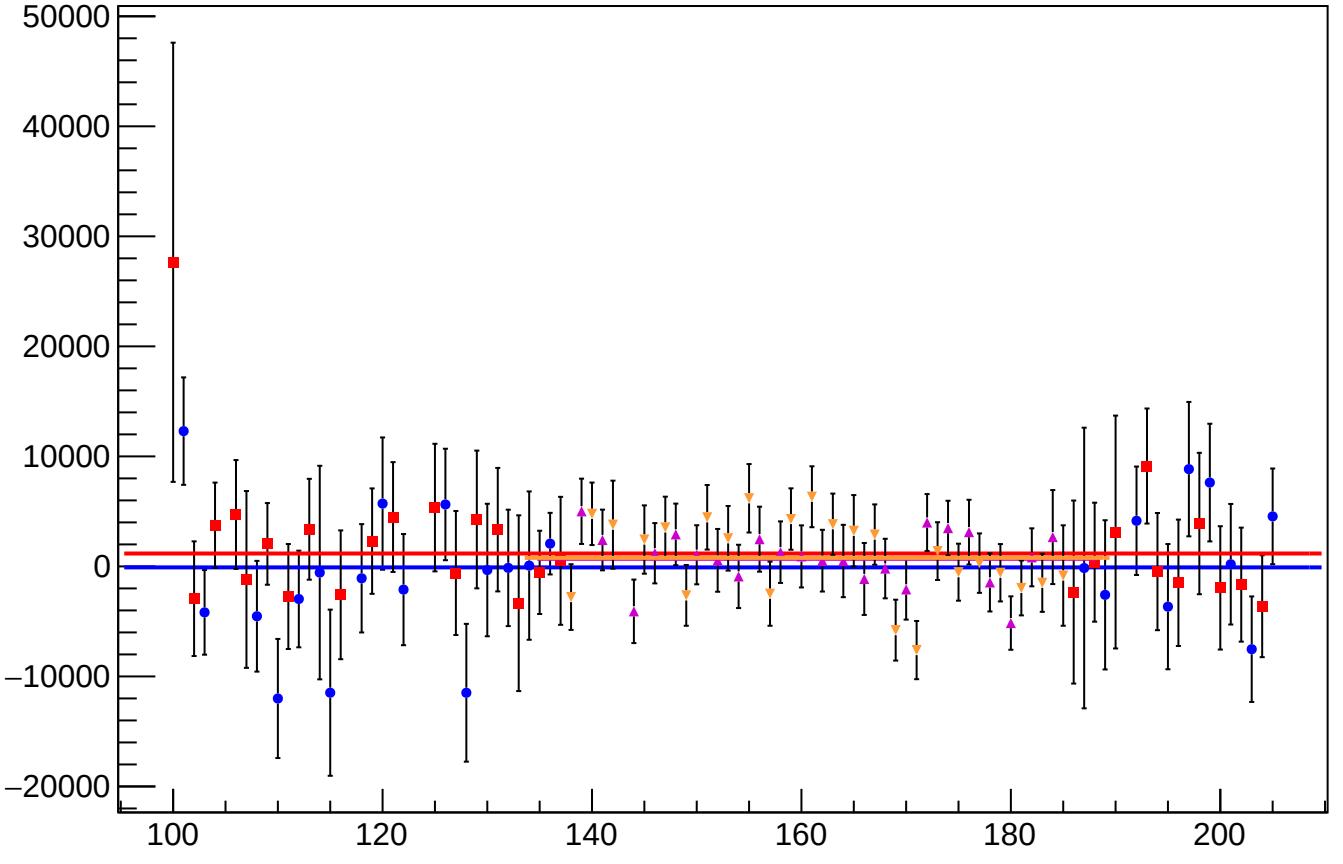
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1511.302+/-0.203 χ^2/NDF: 9788509.2/48

All: 1522.059+/-0.144 χ^2/NDF: 20188503.2/9

- sign 1532.982+/-0.205 χ^2/NDF: 10394360.2/50

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -88.629+/-1031.466 χ^2/NDF: 31.2/24

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1173.129+/-1013.956 χ^2/NDF: 11.6/27

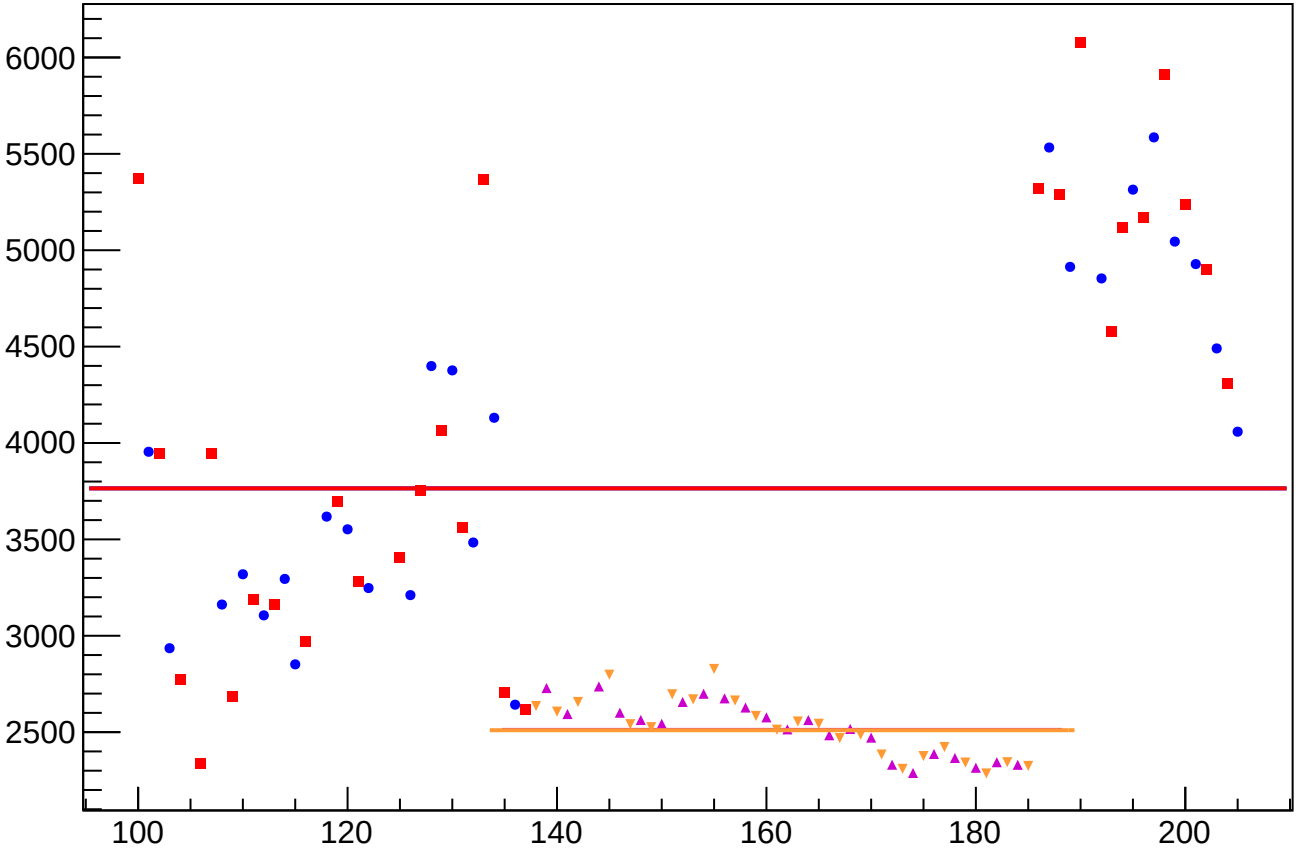
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 565.362+/-507.995 χ^2/NDF: 71.1/48

All: 688.306+/-359.311 χ^2/NDF: 101.3/99

- sign 811.394+/-508.290 χ^2/NDF: 30.1/50

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3764.578+/-0.729 χ^2/NDF: 1419562.0/24

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

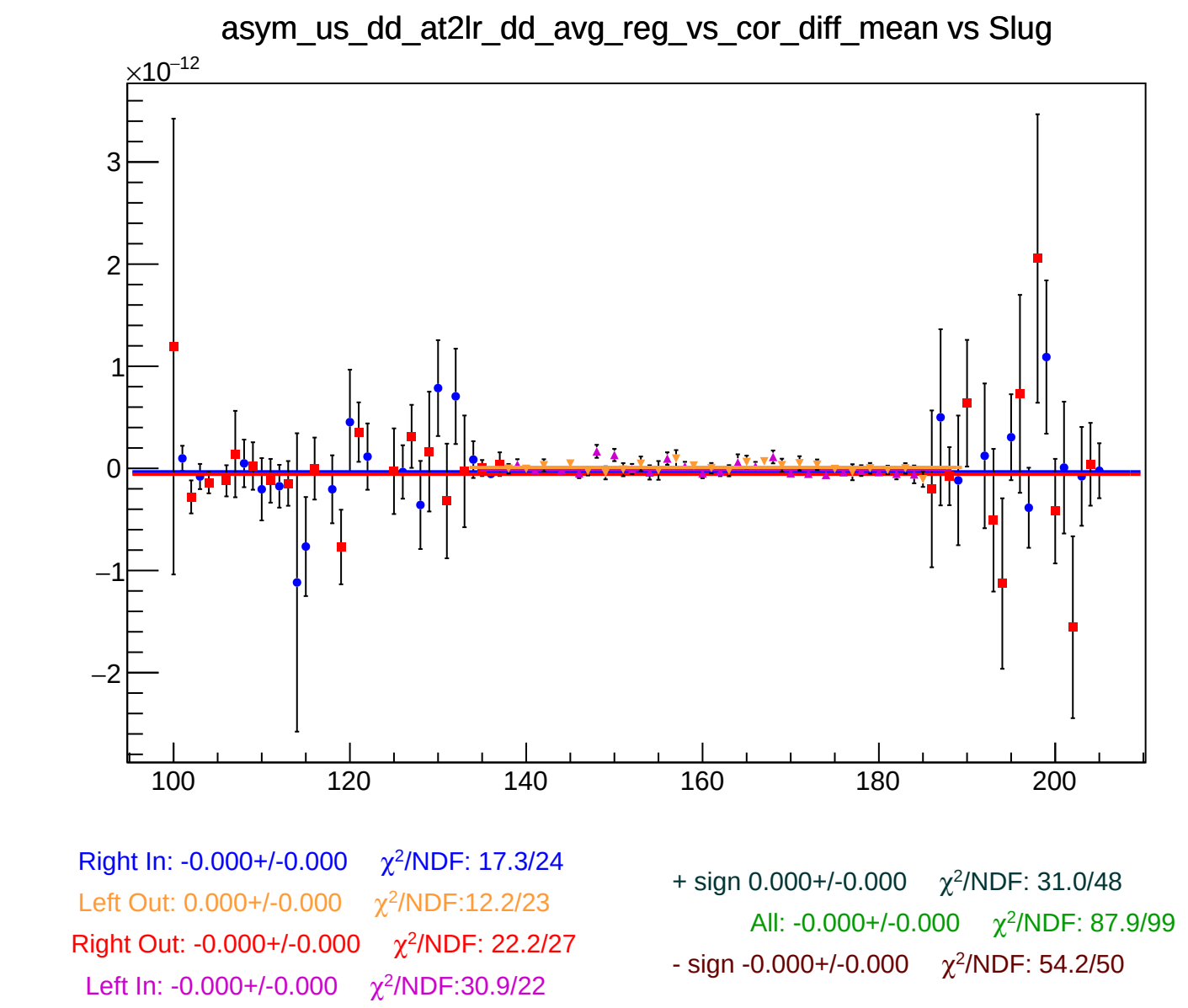
Right Out: 3764.601+/-0.717 χ^2/NDF: 2039456.4/27

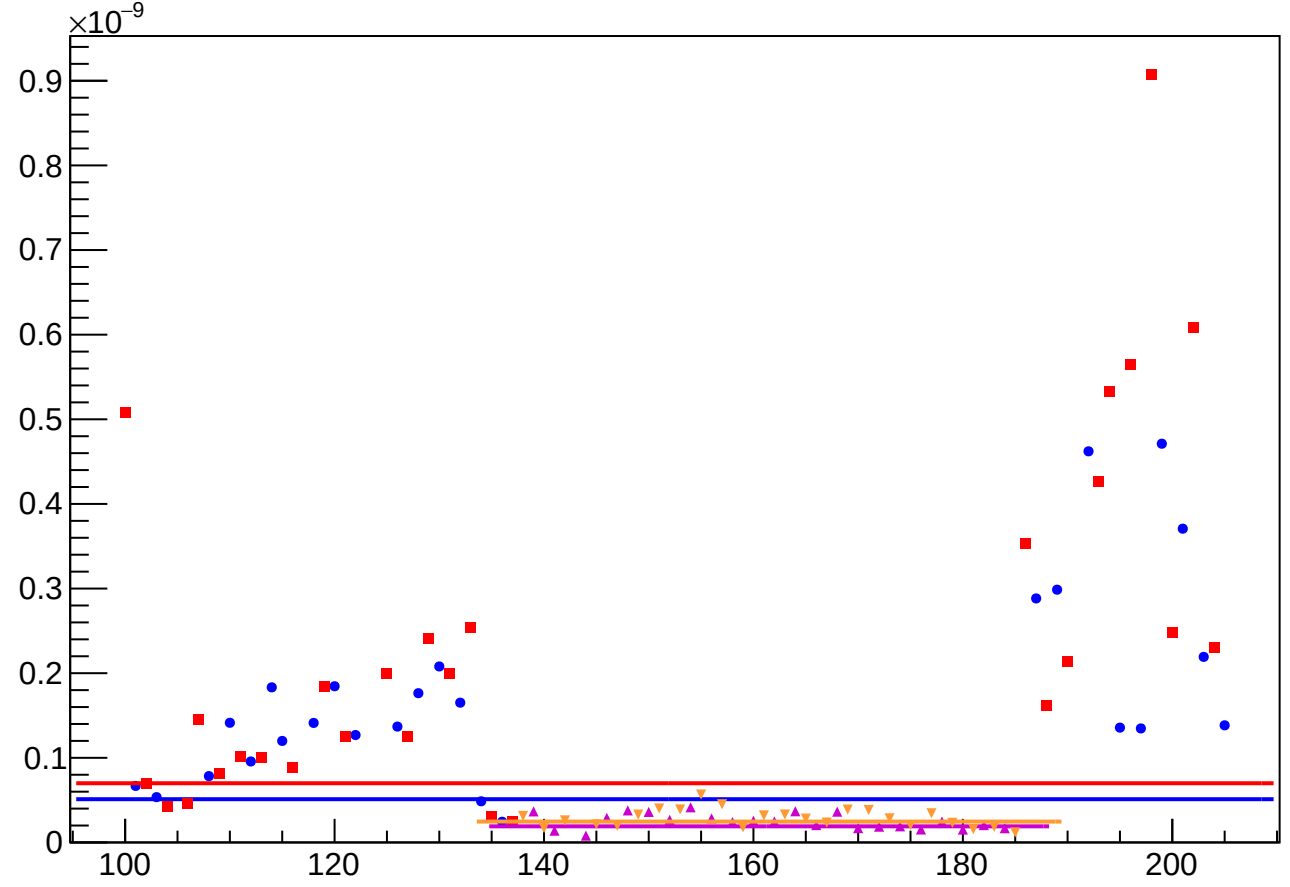
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2814.356+/-0.359 χ^2/NDF: 3789084.0/48

All: 2820.419+/-0.254 χ^2/NDF: 8229262.6/99

- sign 2826.488+/-0.359 χ^2/NDF: 4439608.6/50


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/24
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/27
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 31.0/48
All: -0.000+/-0.000 χ²/NDF: 87.9/99
- sign -0.000+/-0.000 χ²/NDF: 54.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 5188027.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6487613.3/27

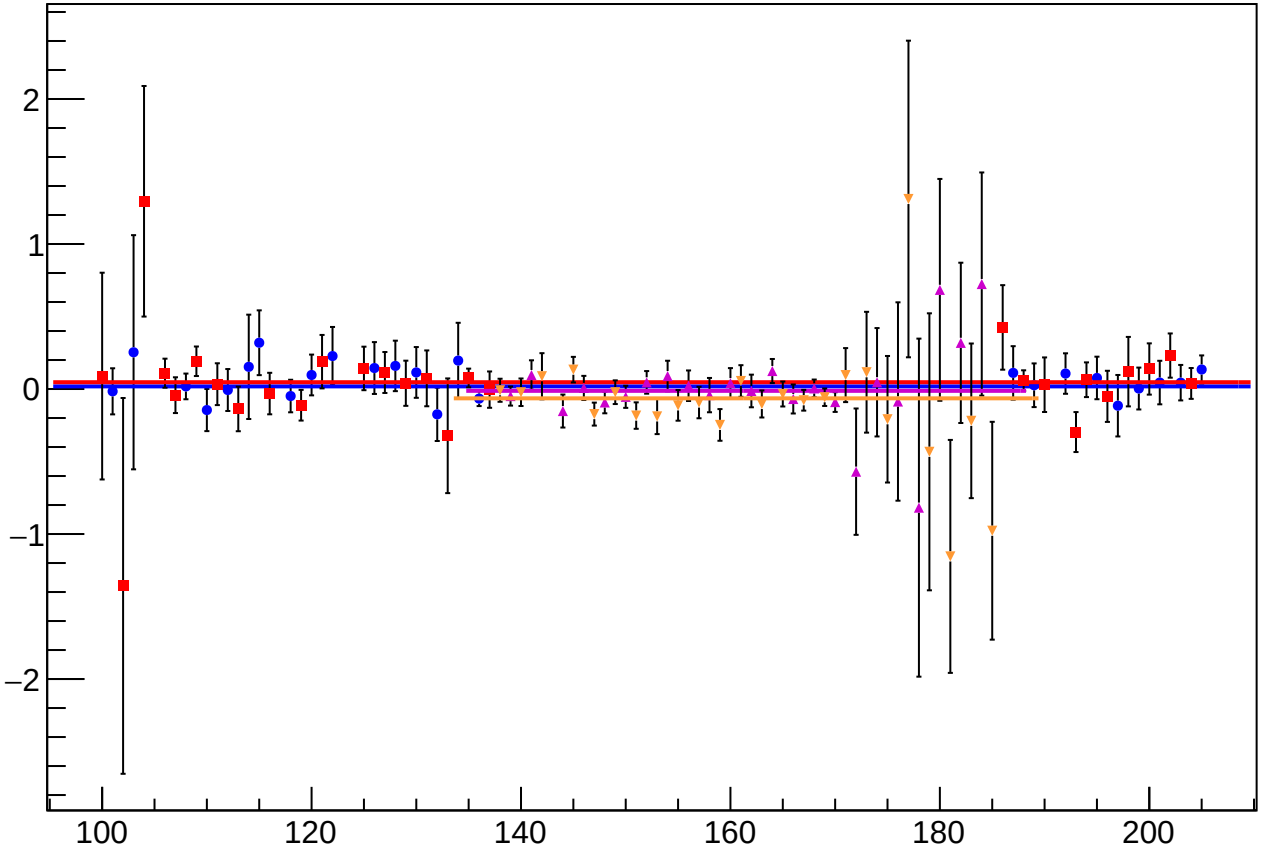
Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7740722.0/48

All: 0.000+/-0.000 χ^2/NDF: 19646598.2/99

- sign 0.000+/-0.000 χ^2/NDF: 11492307.4/50

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

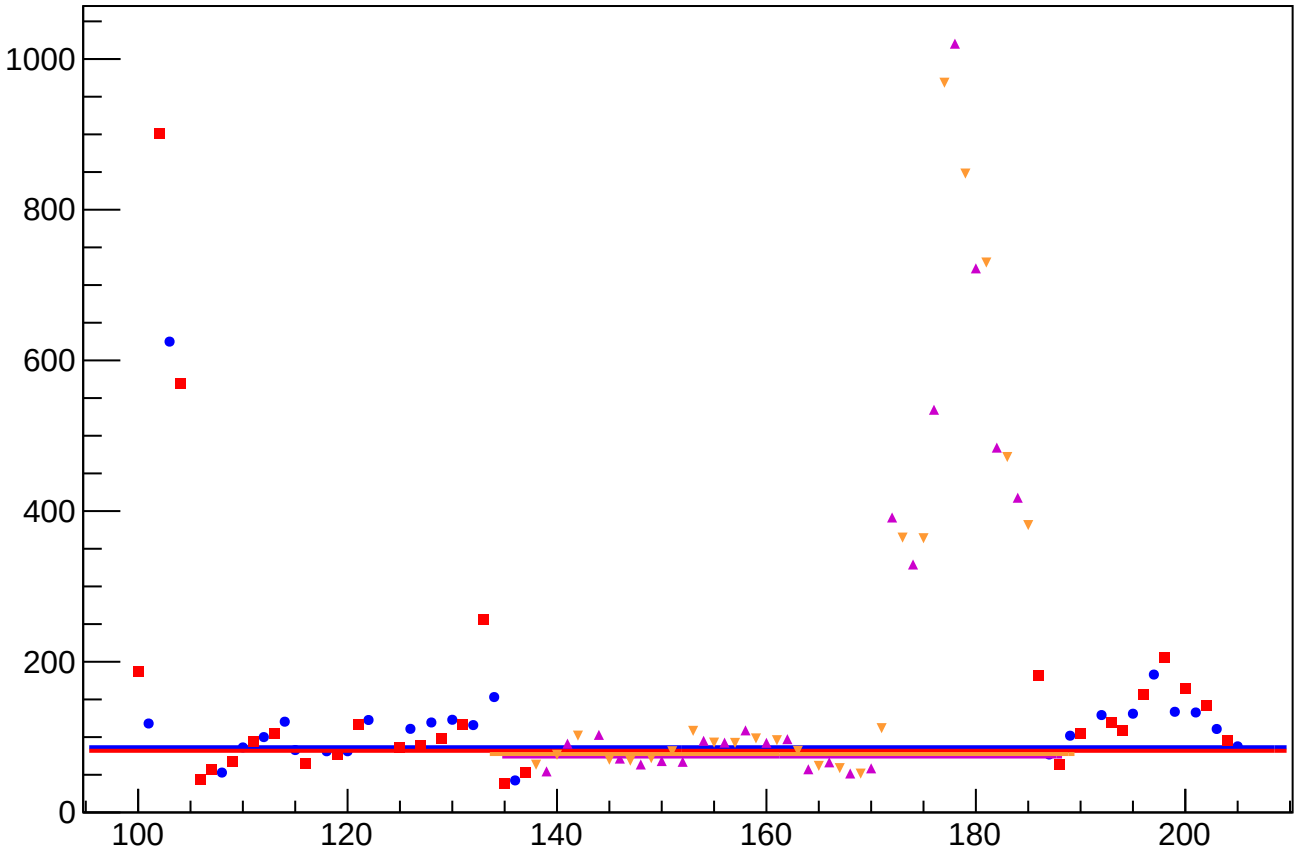
Right Out: 0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

\+ sign -0.031+/-0.017 χ^2/NDF: 41.6/48

All: -0.008+/-0.012 χ^2/NDF: 86.3/99

\- sign 0.012+/-0.016 χ^2/NDF: 41.4/50



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

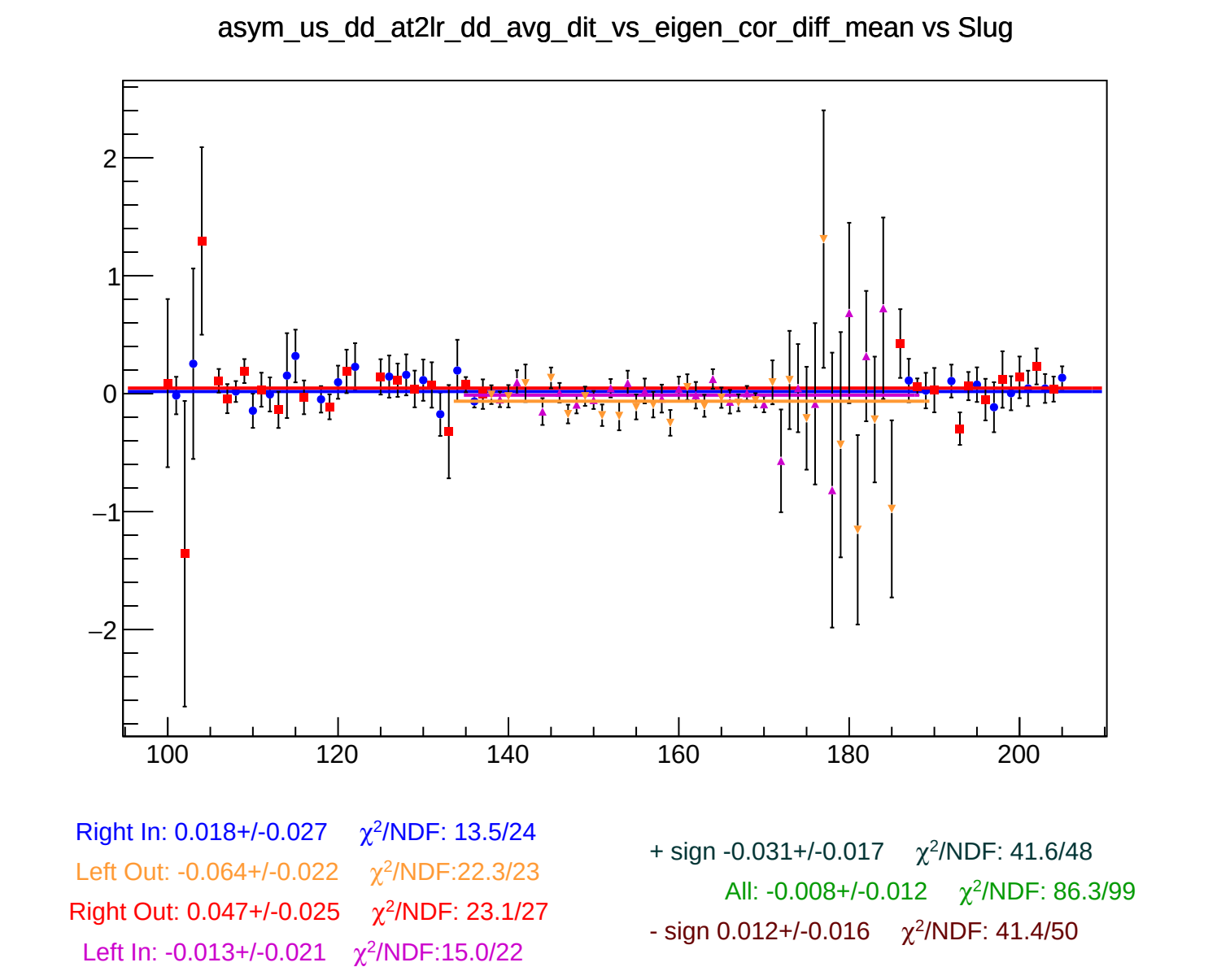
Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

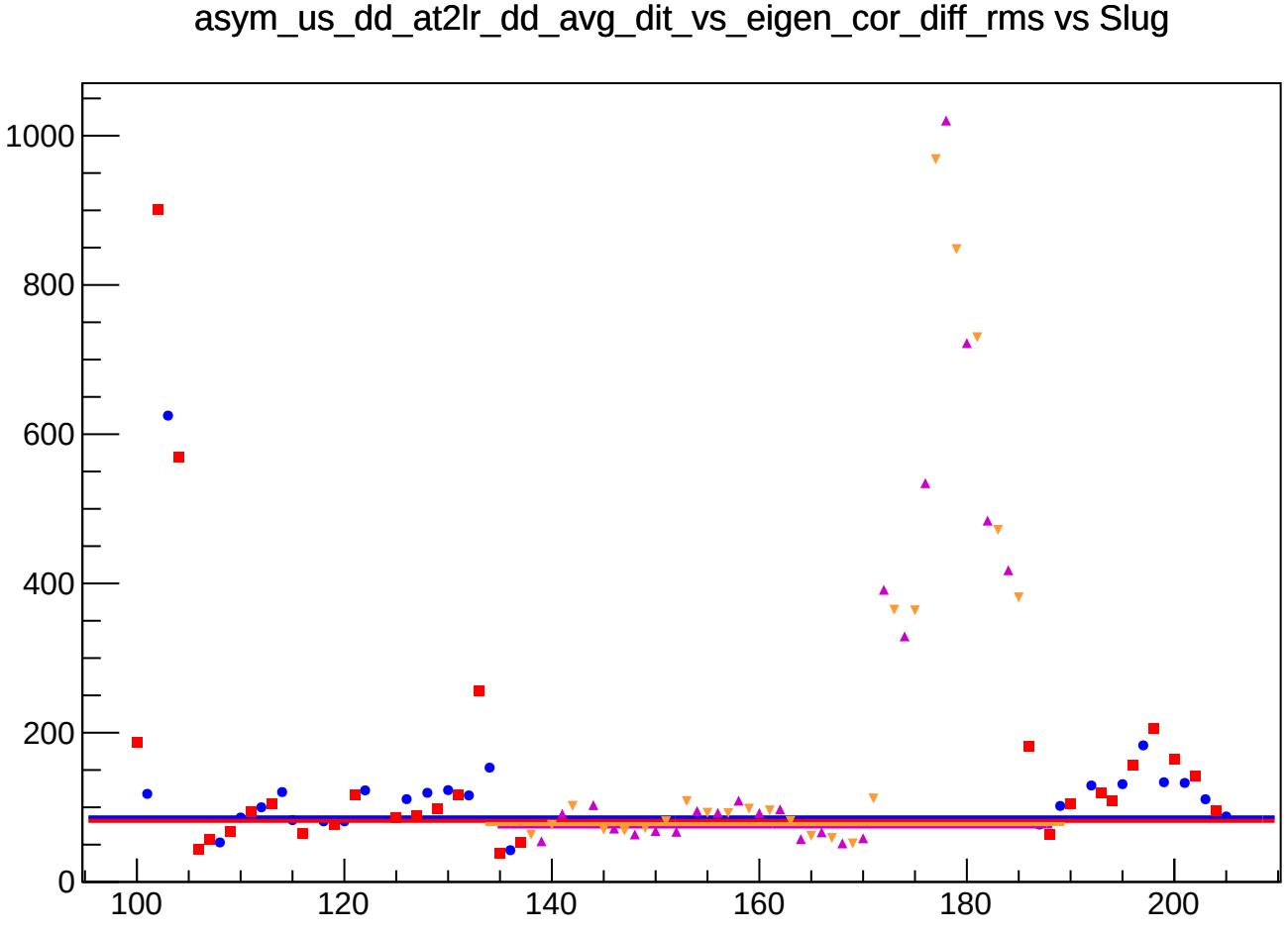
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 81.238+/-0.012 χ^2/NDF: 12956193.3/48

All: 79.204+/-0.008 χ^2/NDF: 27621949.3/99

- sign 77.354+/-0.011 χ^2/NDF: 14610994.6/50


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.018+/-0.027 χ²/NDF: 13.5/24
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.047+/-0.025 χ²/NDF: 23.1/27
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.031+/-0.017 χ²/NDF: 41.6/48
All: -0.008+/-0.012 χ²/NDF: 86.3/99
- sign 0.012+/-0.016 χ²/NDF: 41.4/50



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

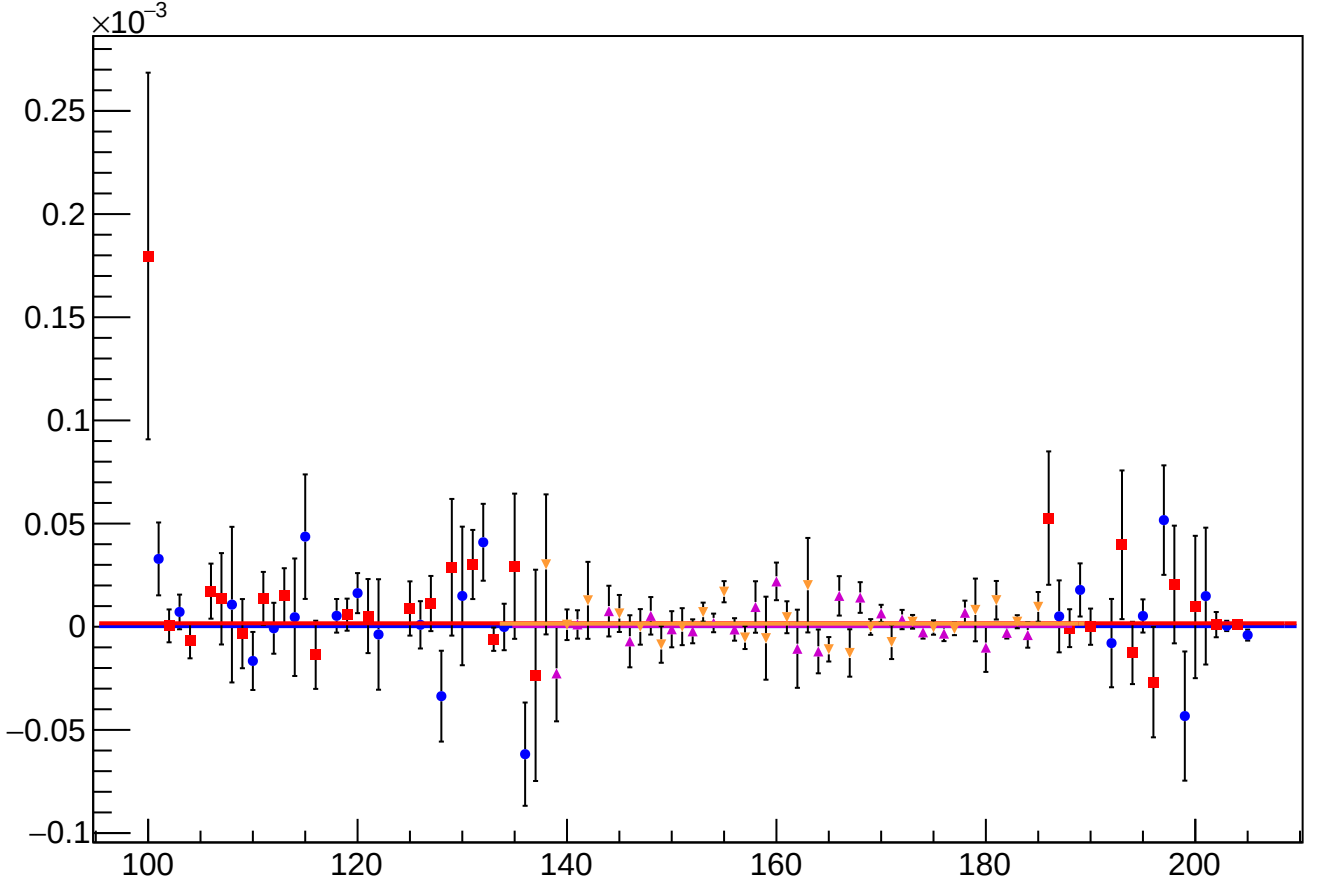
Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 81.238+/-0.012 χ^2/NDF: 12956193.3/48

All: 79.204+/-0.008 χ^2/NDF: 27621949.3/99

- sign 77.354+/-0.011 χ^2/NDF: 14610994.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

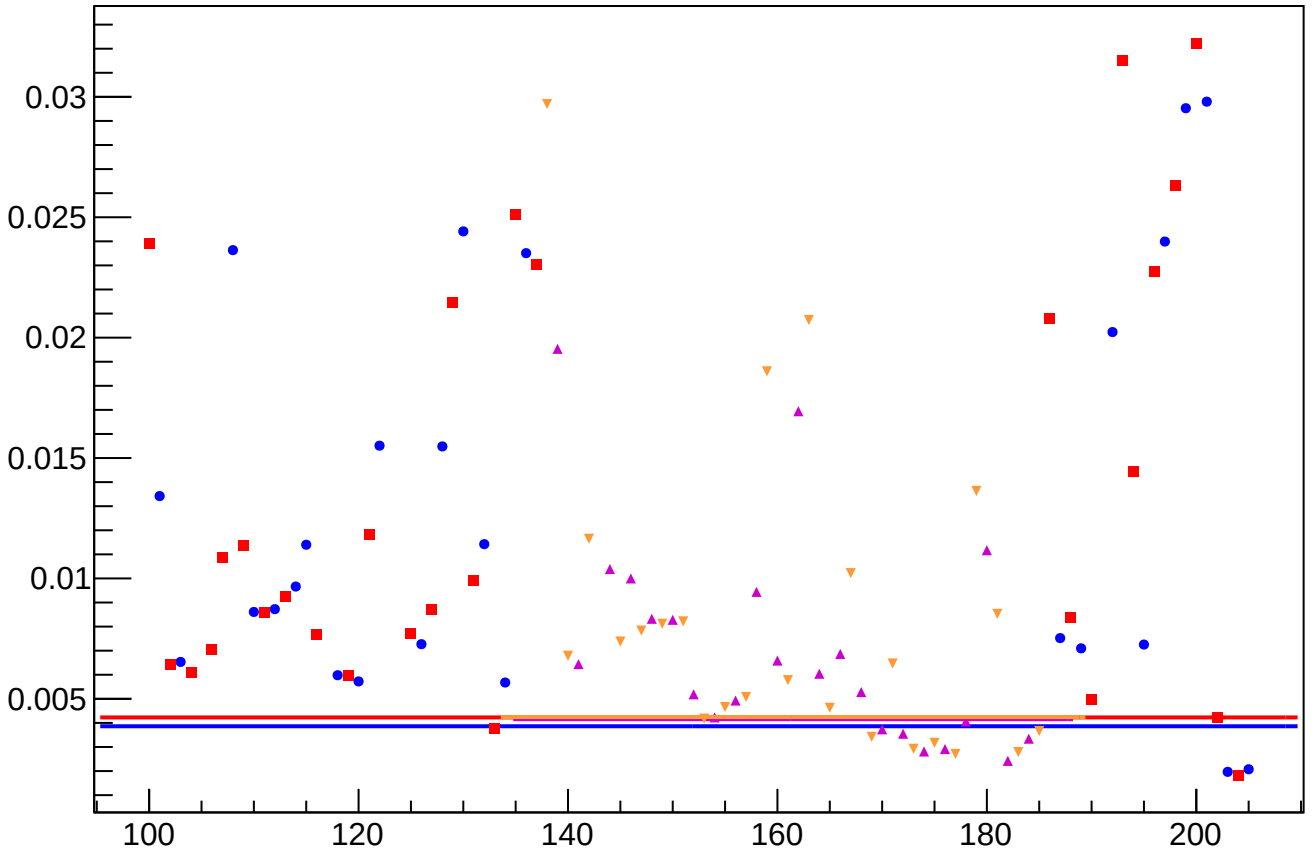
Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/27

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/48

All: 0.000+/-0.000 χ^2/NDF: 111.0/99

- sign 0.000+/-0.000 χ^2/NDF: 48.2/50



Right In: 0.004+/-0.000 χ^2/NDF: 13278663.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

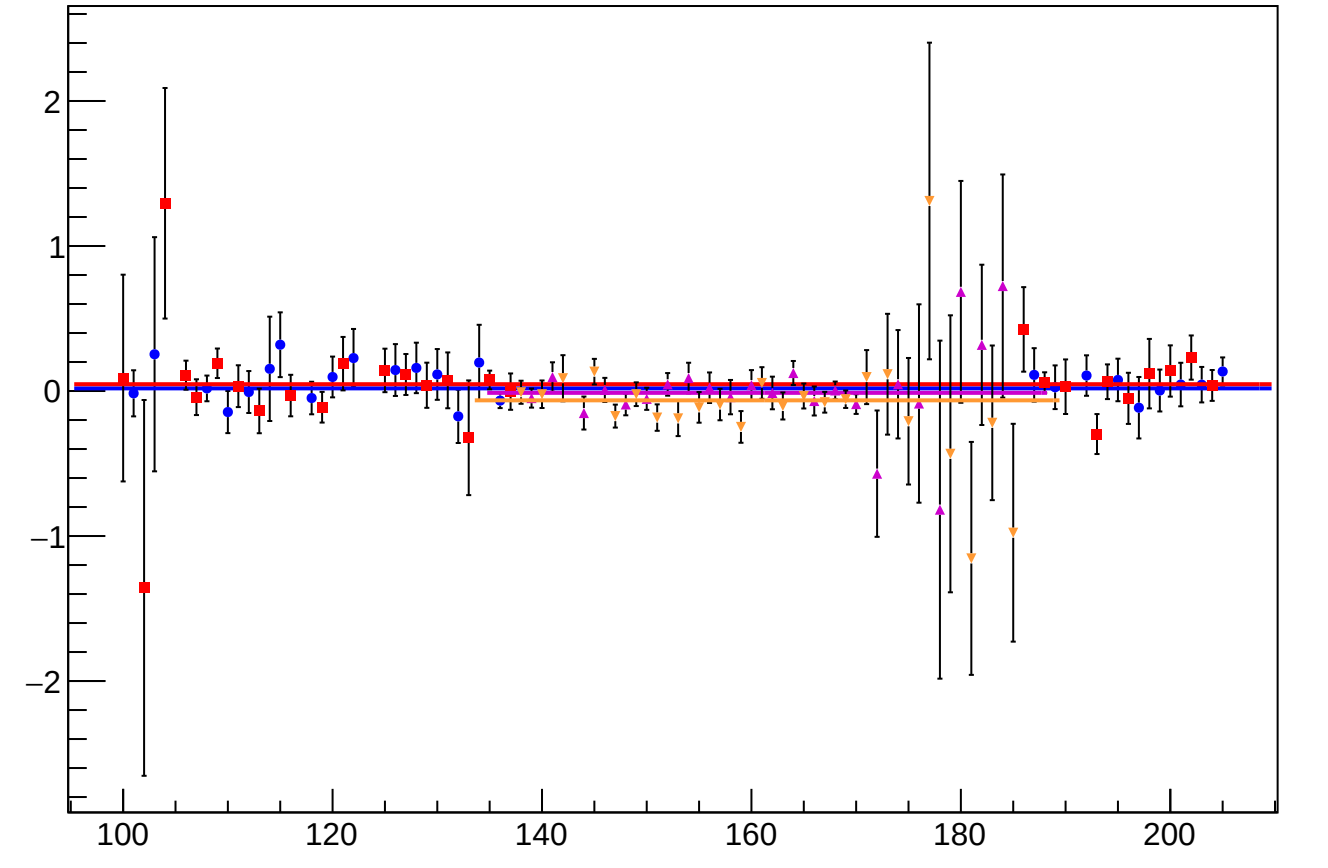
Right Out: 0.004+/-0.000 χ^2/NDF: 13284242.6/27

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 22007930.0/48

All: 0.004+/-0.000 χ^2/NDF: 42187492.7/99

- sign 0.004+/-0.000 χ^2/NDF: 20173588.8/50



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

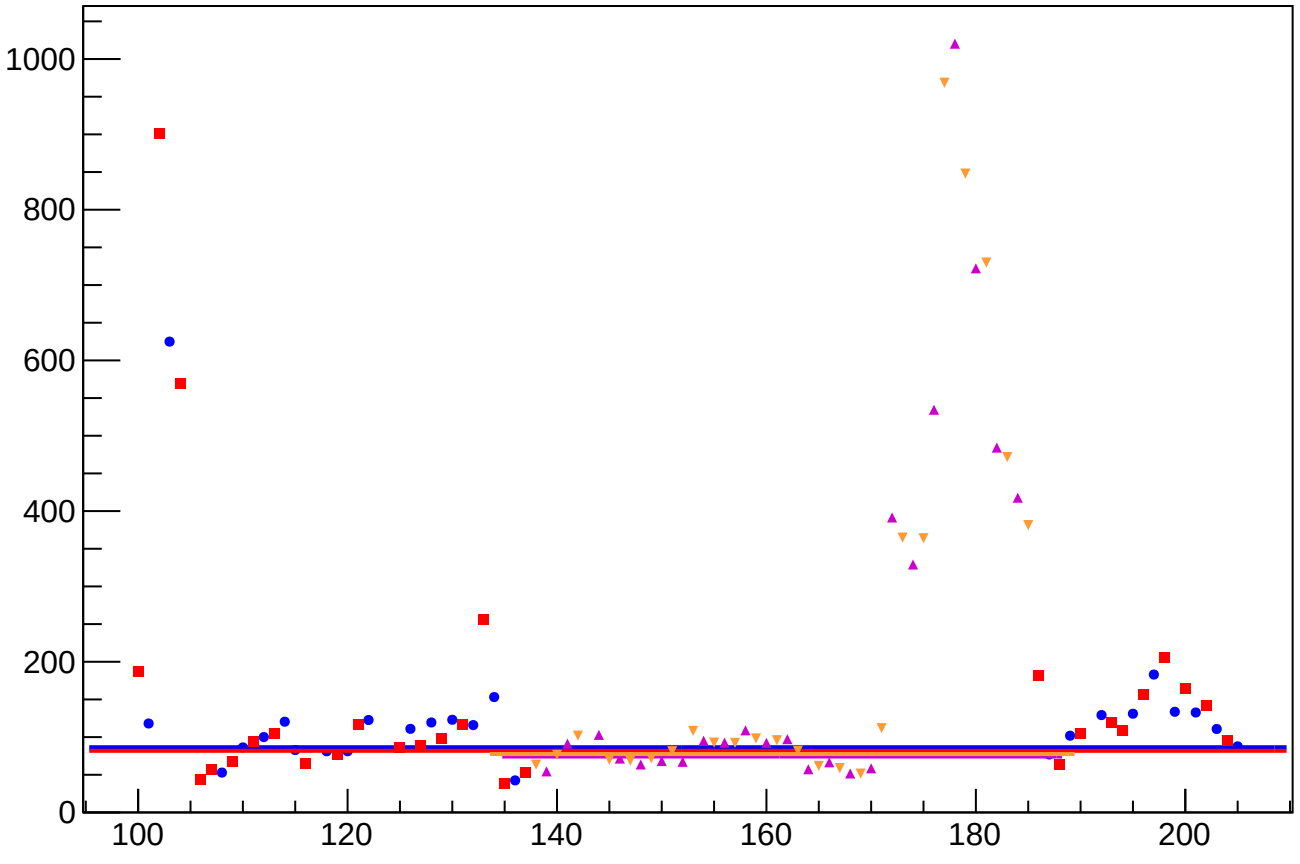
Right Out: 0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.031+/-0.017 χ^2/NDF: 41.6/48

All: -0.008+/-0.012 χ^2/NDF: 86.3/99

- sign 0.012+/-0.016 χ^2/NDF: 41.4/50



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

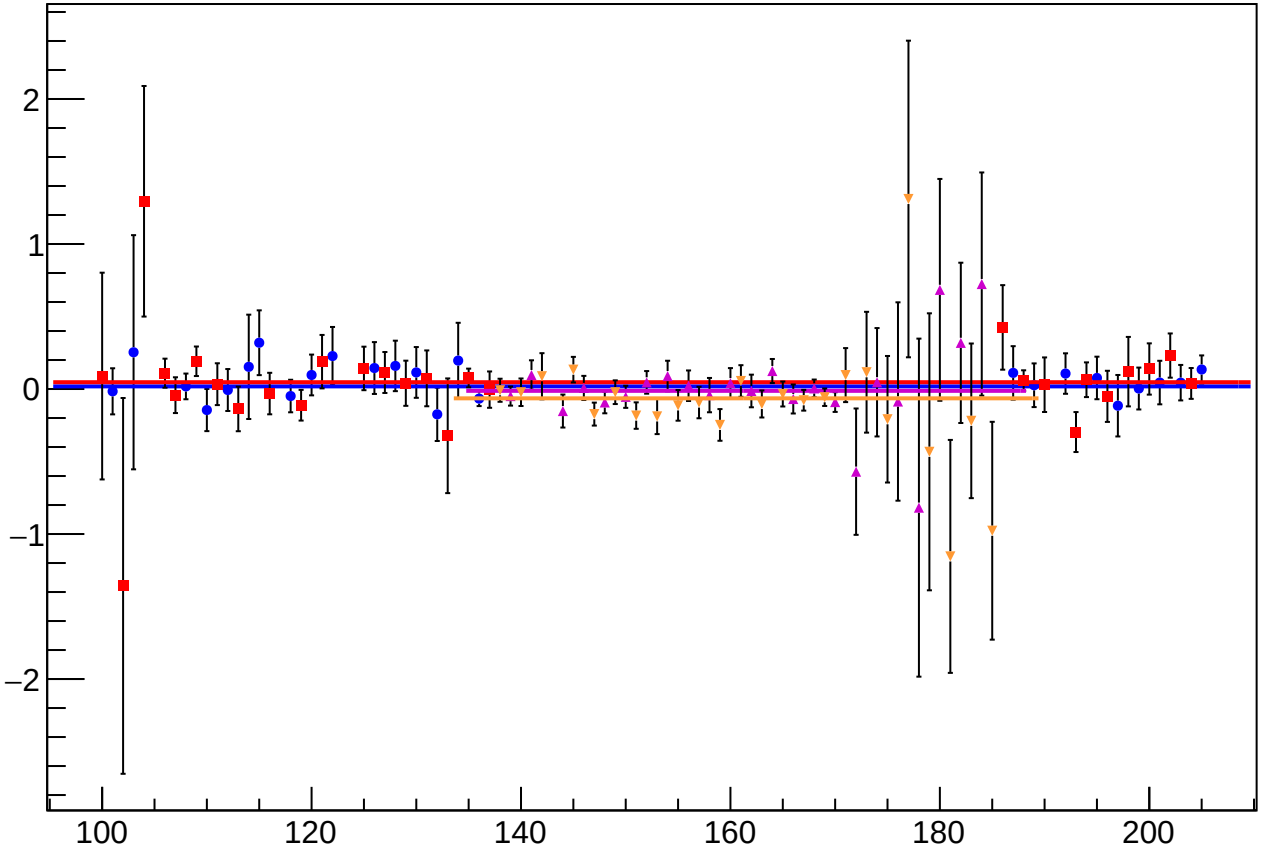
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 81.245+/-0.012 χ^2/NDF: 12953010.8/48

All: 79.207+/-0.008 χ^2/NDF: 27620143.0/99

- sign 77.352+/-0.011 χ^2/NDF: 14612090.9/50

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

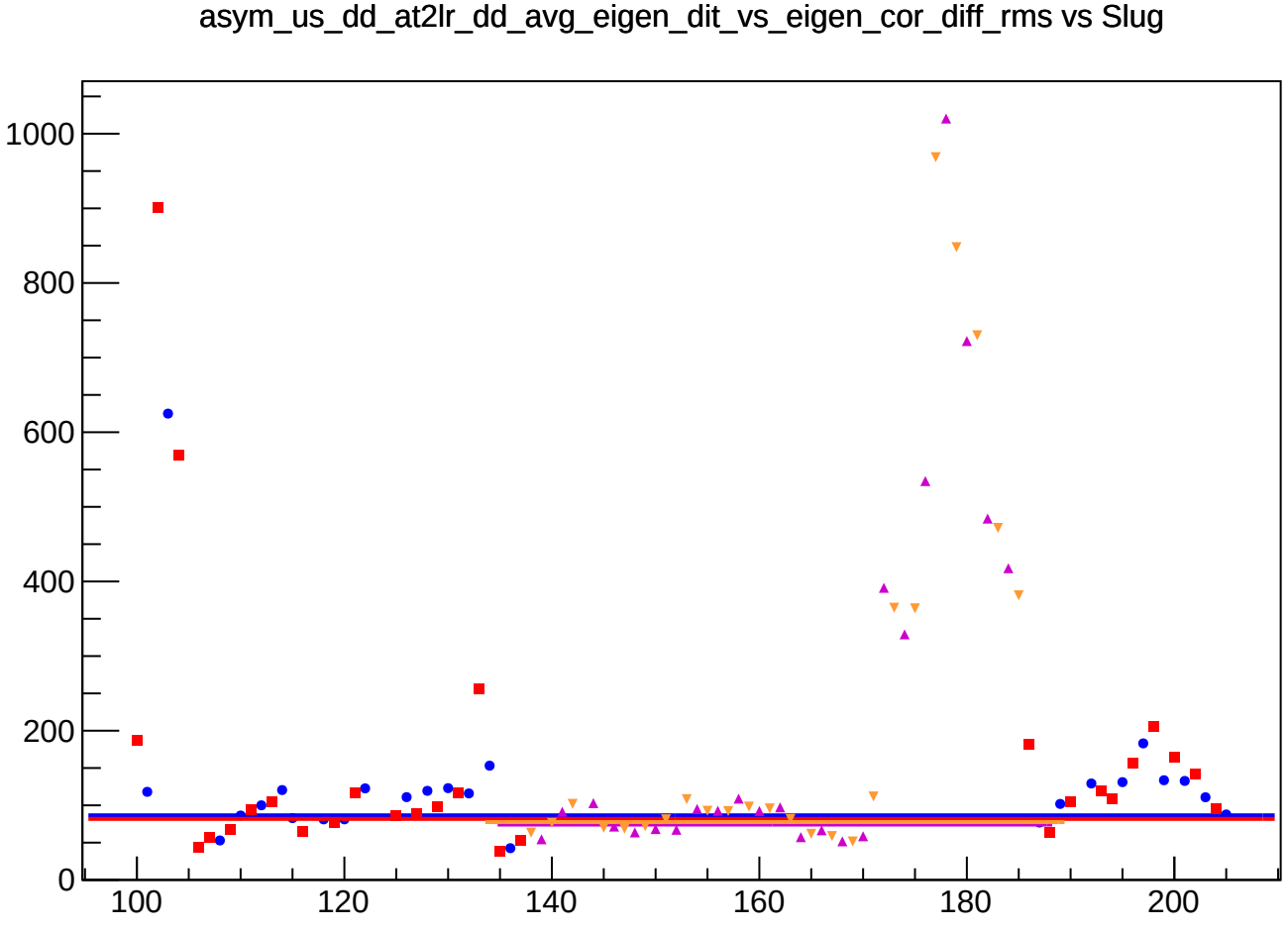
Right Out: 0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.031+/-0.017 χ^2/NDF: 41.6/48

All: -0.008+/-0.012 χ^2/NDF: 86.3/99

- sign 0.012+/-0.016 χ^2/NDF: 41.4/50



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

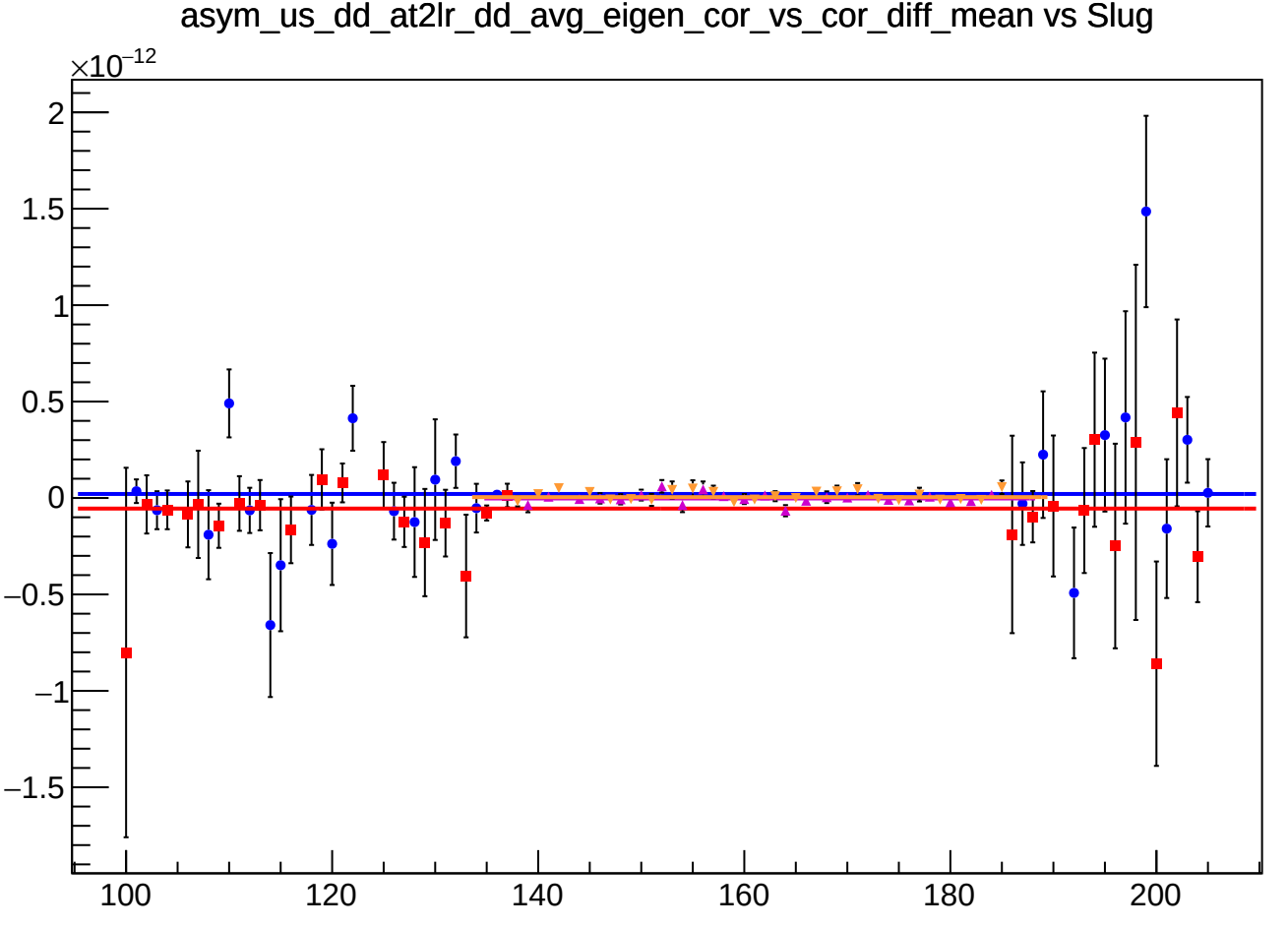
Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 81.245+/-0.012 χ^2/NDF: 12953010.8/48

All: 79.207+/-0.008 χ^2/NDF: 27620143.0/99

- sign 77.352+/-0.011 χ^2/NDF: 14612090.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

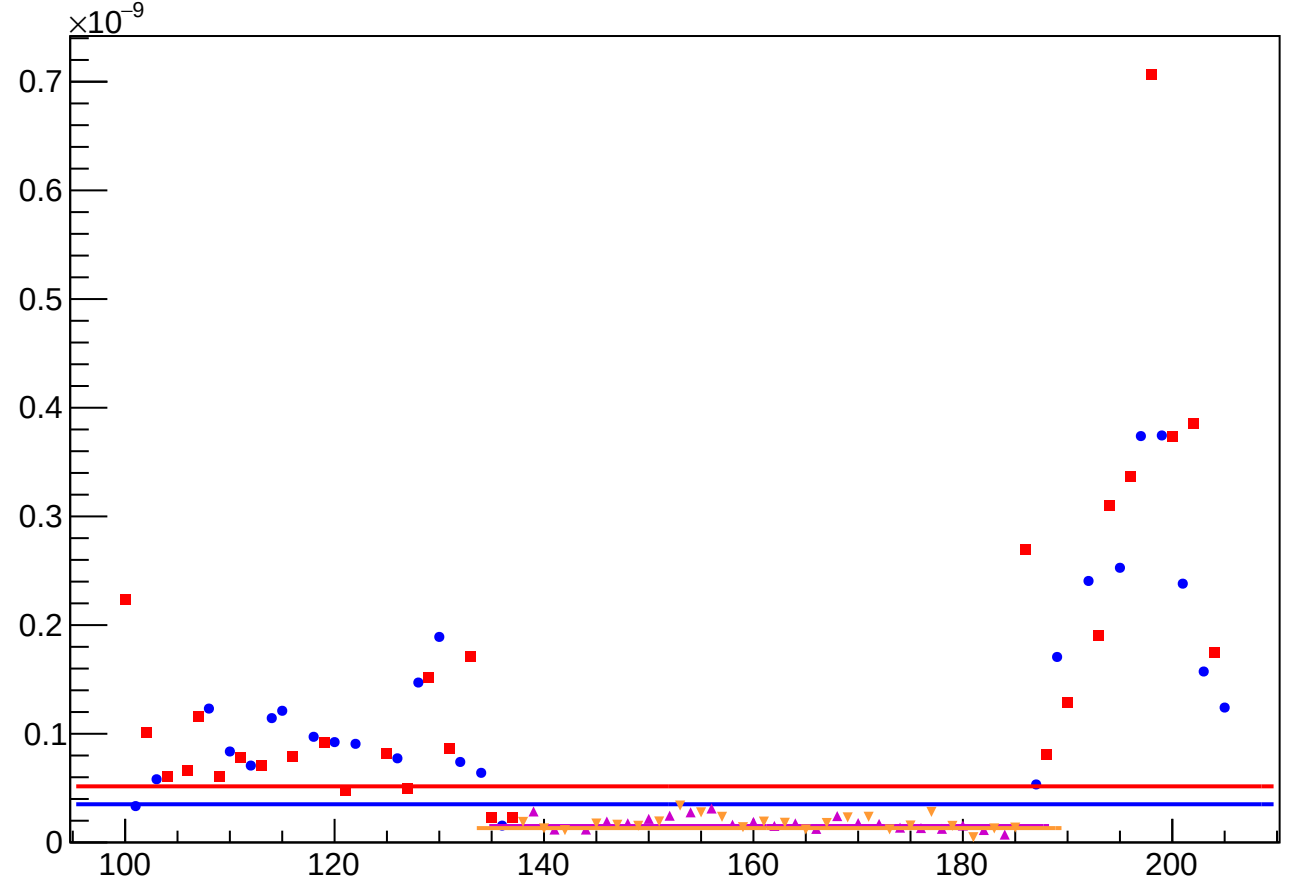
Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/27

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/48

All: 0.000+/-0.000 χ^2/NDF: 99.4/99

- sign -0.000+/-0.000 χ^2/NDF: 36.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 9377762.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8348915.7/27

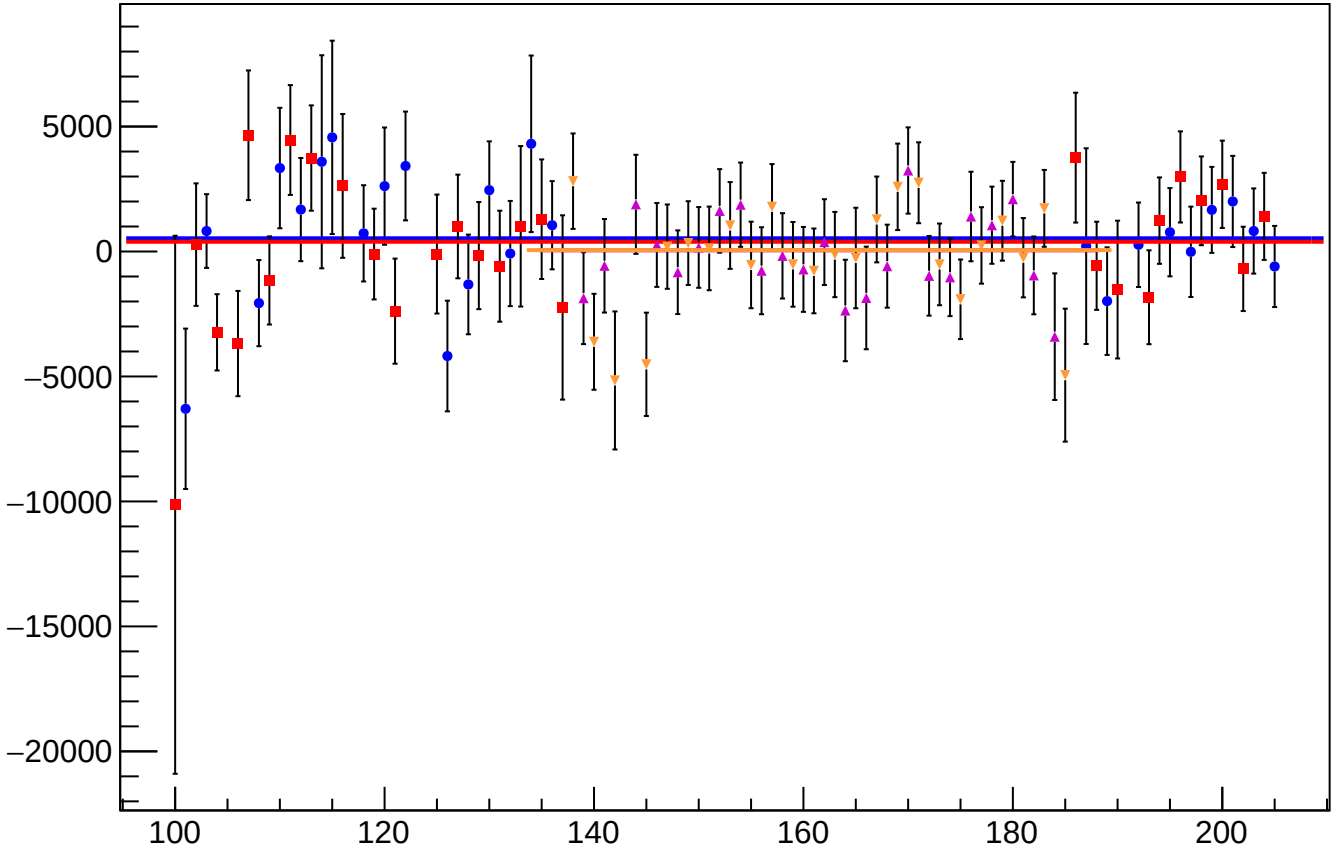
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16164477.5/48

All: 0.000+/-0.000 χ^2/NDF: 31368182.8/99

- sign 0.000+/-0.000 χ^2/NDF: 14964456.9/50

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 529.114+/-406.618 χ^2/NDF: 23.4/24

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 389.889+/-395.164 χ^2/NDF: 32.7/27

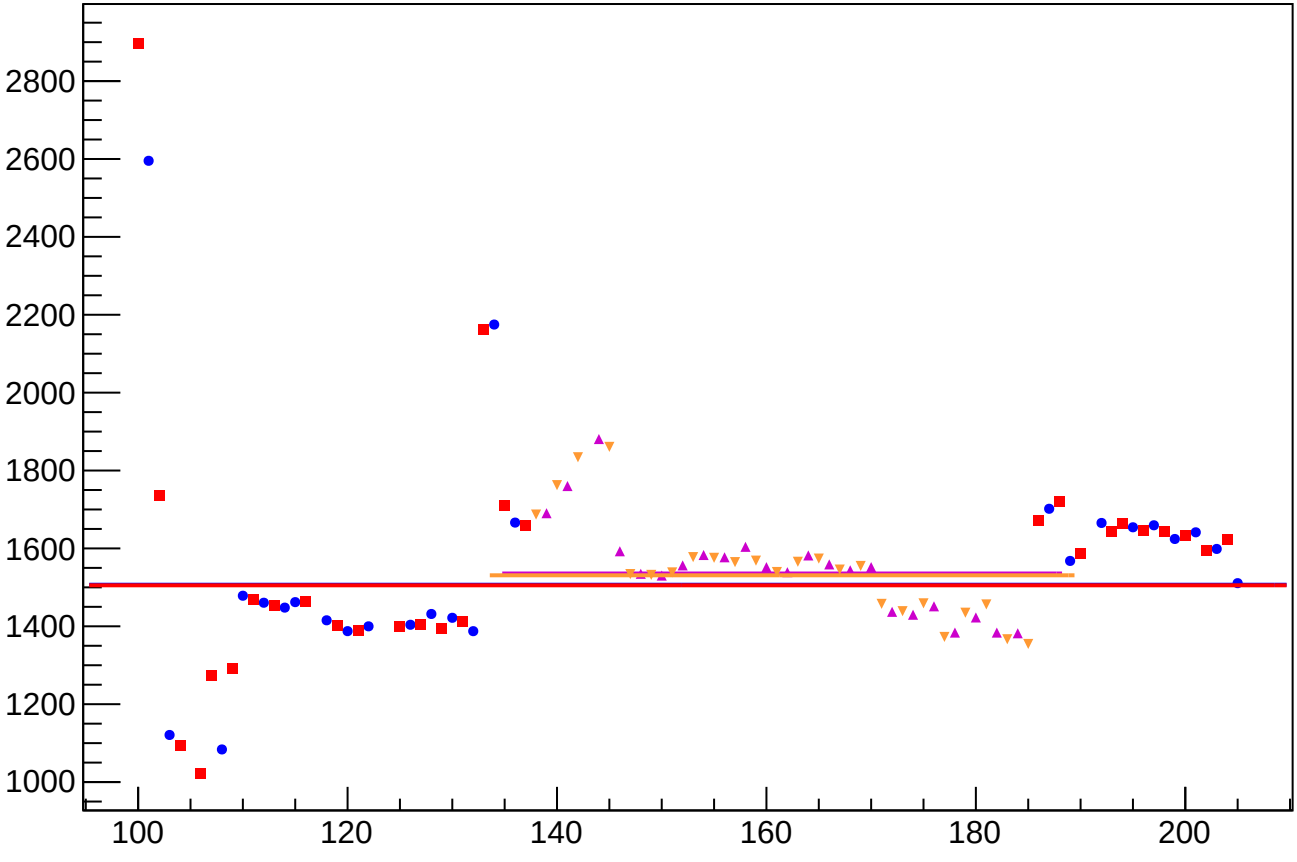
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 260.841+/-268.009 χ^2/NDF: 52.7/48

All: 231.663+/-188.773 χ^2/NDF: 102.6/99

- sign 202.935+/-265.934 χ^2/NDF: 49.9/50

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.1/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

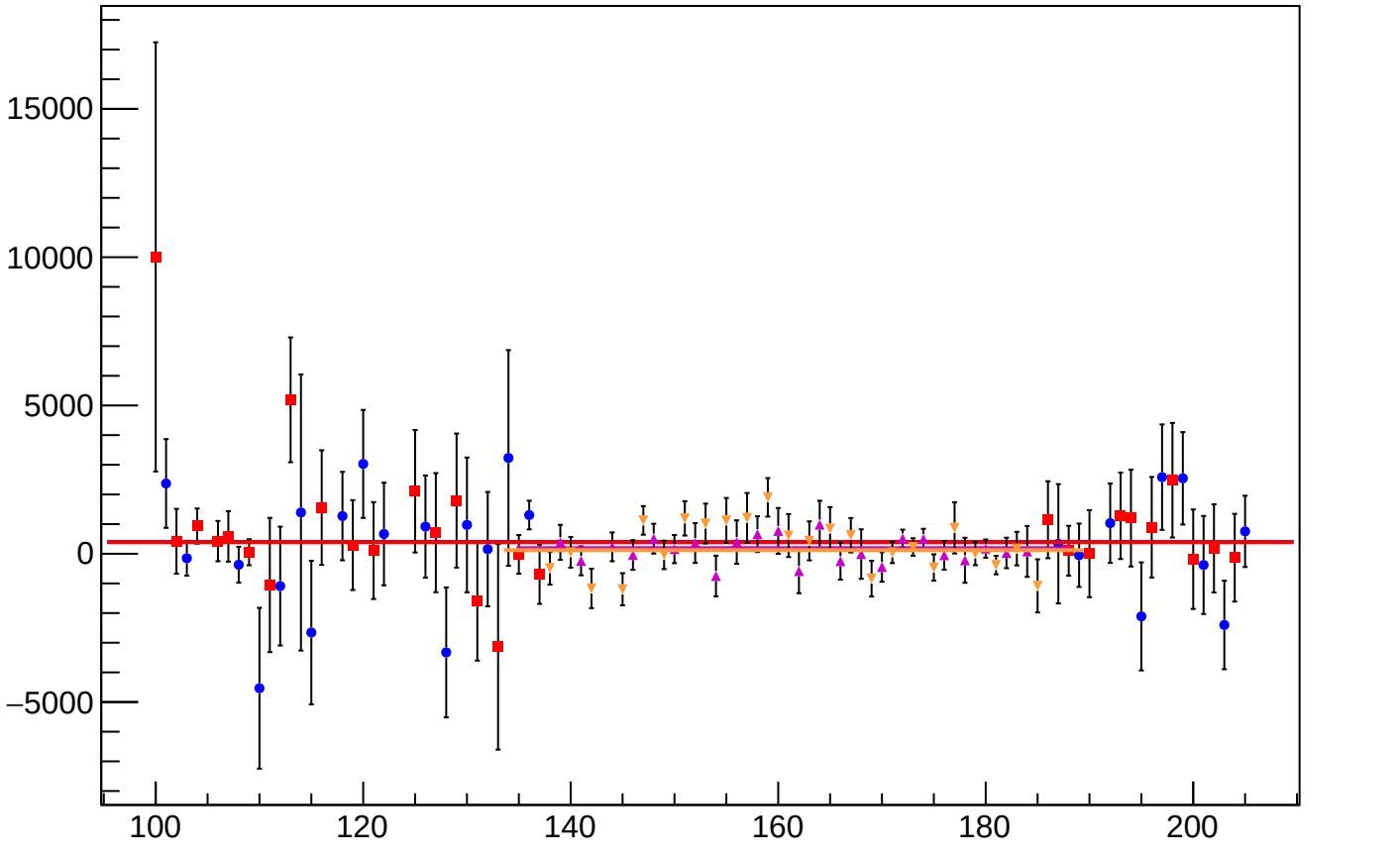
Right Out: 1505.277+/-0.279 χ^2/NDF: 598528.3/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.447+/-0.190 χ^2/NDF: 894929.2/48

All: 1521.149+/-0.133 χ^2/NDF: 1692339.7/99

- sign 1521.840+/-0.188 χ^2/NDF: 797383.3/50



Right In: 396.541+/-240.037 χ^2/NDF: 28.9/24

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 391.077+/-206.271 χ^2/NDF: 16.6/27

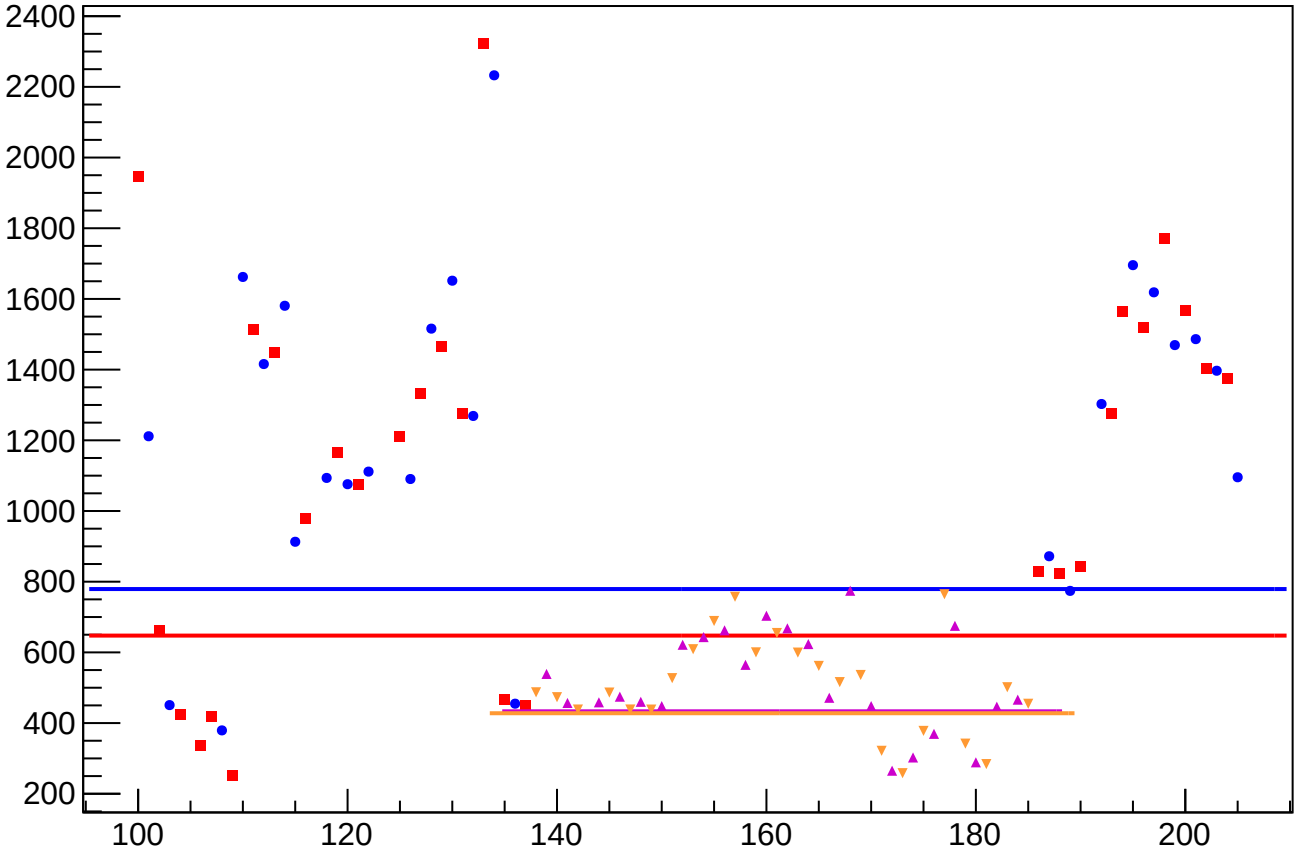
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 165.573+/-96.245 χ^2/NDF: 73.6/48

All: 198.278+/-67.598 χ^2/NDF: 102.9/99

- sign 230.119+/-94.964 χ^2/NDF: 29.0/50

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 779.192+/-0.170 χ^2/NDF: 6800172.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 647.492+/-0.146 χ^2/NDF: 9077611.8/27

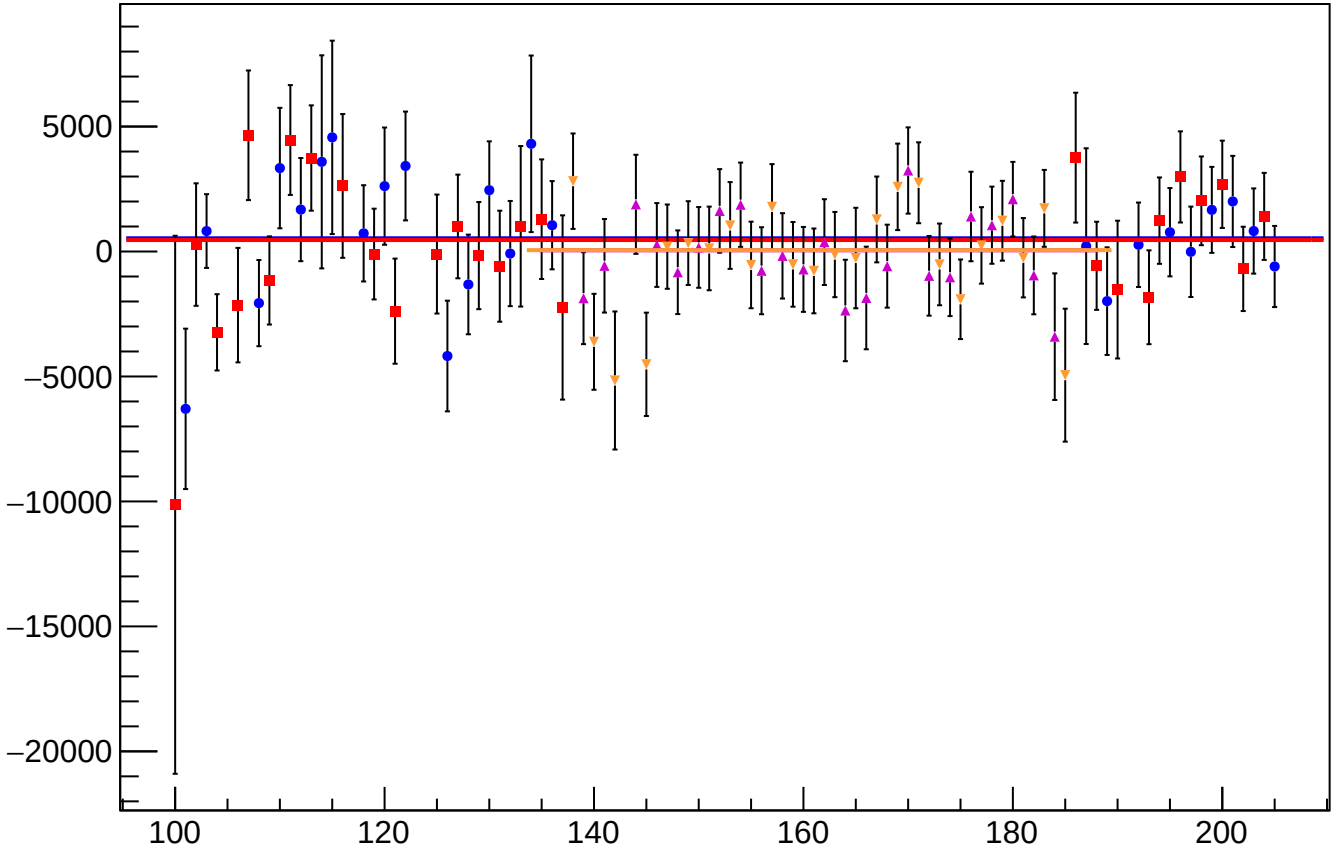
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 484.305+/-0.068 χ^2/NDF: 13585033.3/48

All: 481.458+/-0.048 χ^2/NDF: 27613821.5/99

- sign 478.686+/-0.067 χ^2/NDF: 14025334.4/50

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 529.142+/-406.619 χ^2/NDF: 23.4/24

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 458.414+/-396.245 χ^2/NDF: 30.2/27

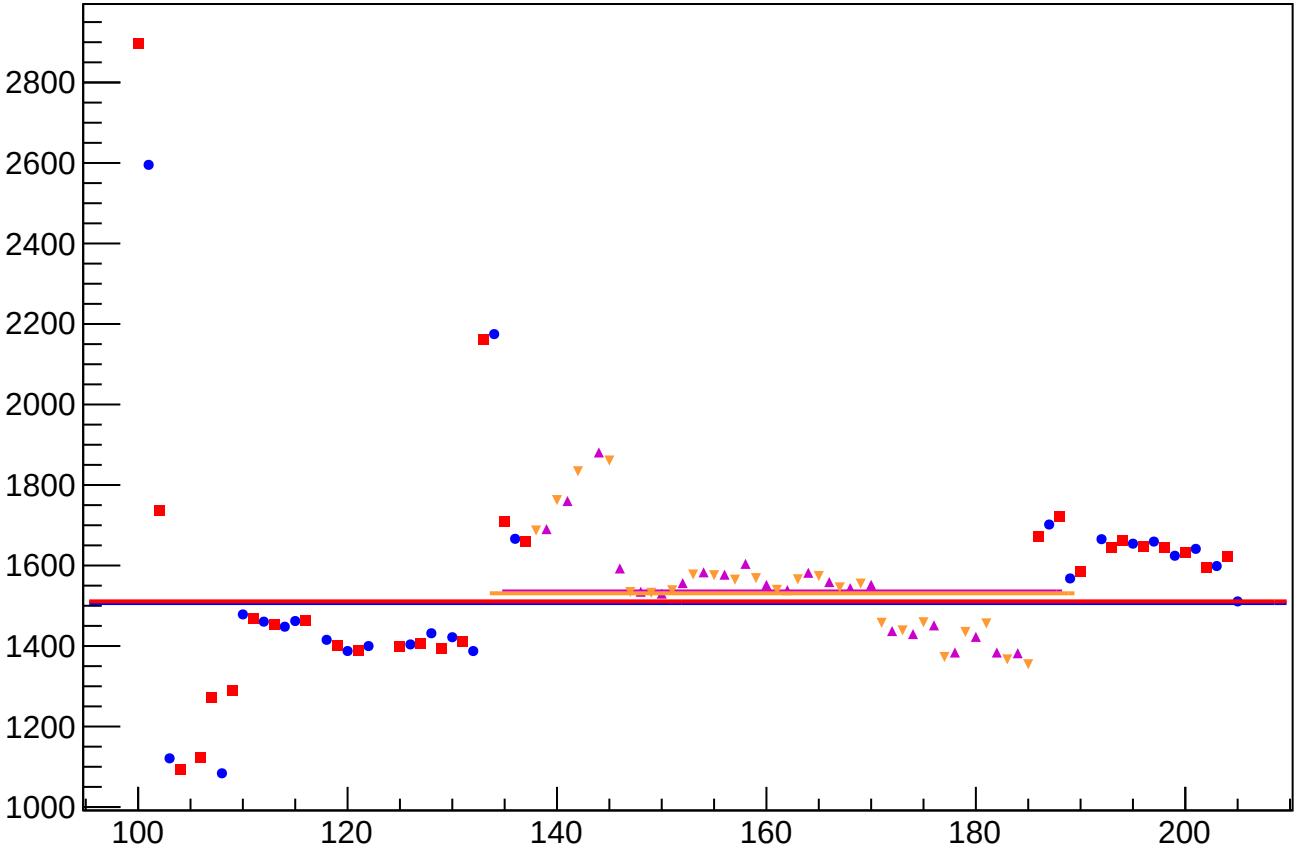
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 260.833+/-268.009 χ^2/NDF: 52.7/48

All: 247.055+/-188.890 χ^2/NDF: 100.2/99

- sign 233.457+/-266.262 χ^2/NDF: 47.5/50

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

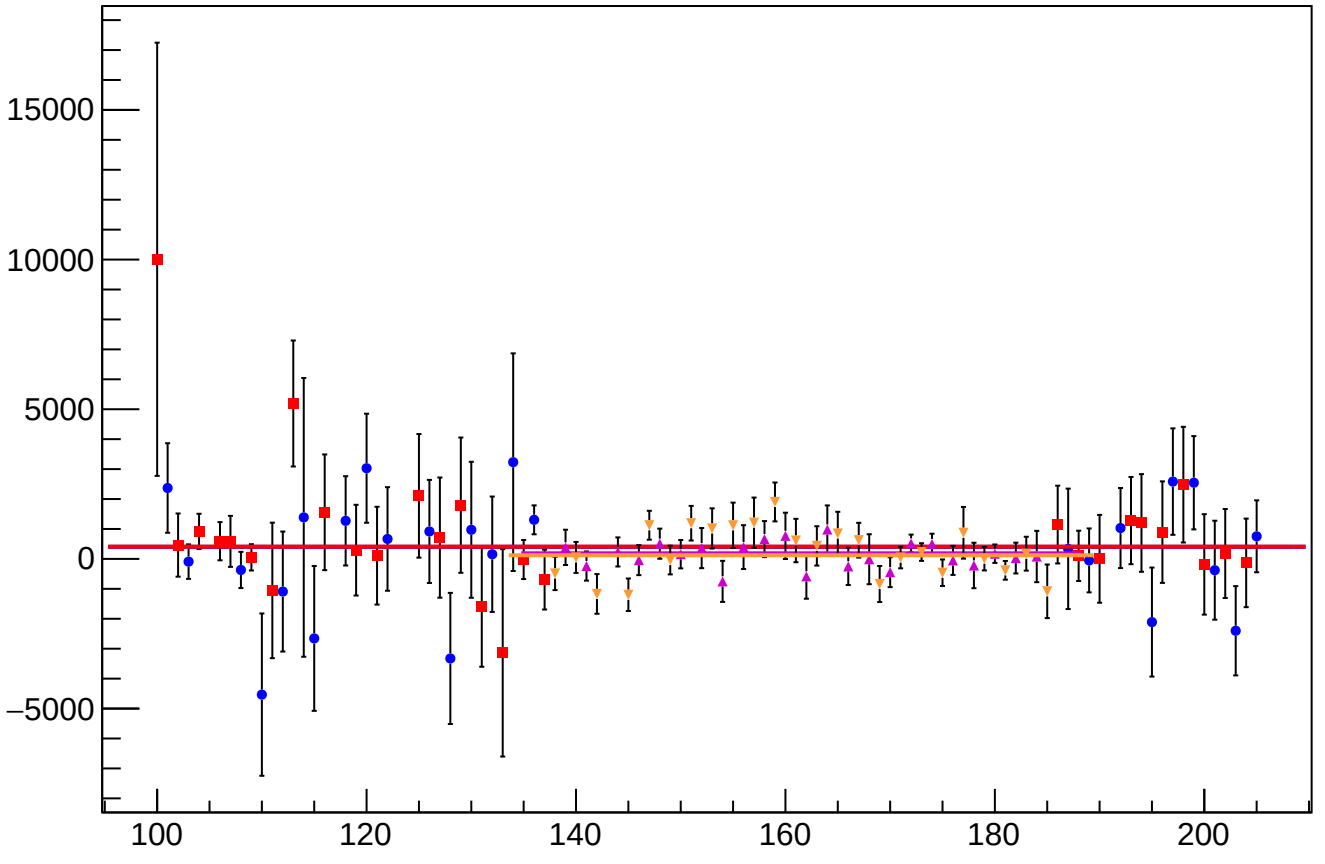
Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.447+/-0.190 χ^2/NDF: 894929.5/48

All: 1522.444+/-0.134 χ^2/NDF: 1640955.9/99

- sign 1524.416+/-0.188 χ^2/NDF: 745805.6/50



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

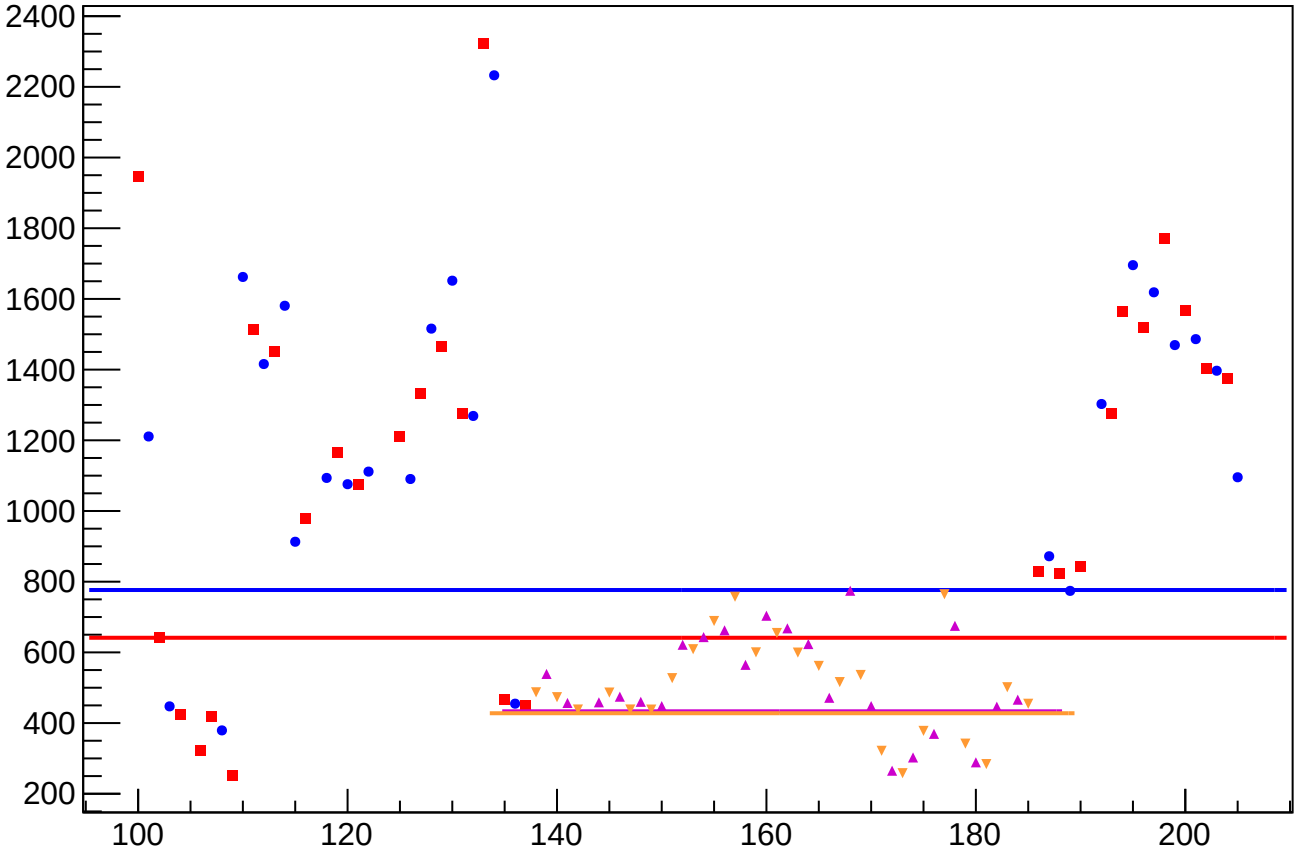
Right Out: 409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.913+/-96.195 χ^2/NDF: 73.6/48

All: 201.307+/-67.522 χ^2/NDF: 103.0/99

- sign 234.713+/-94.802 χ^2/NDF: 29.2/50



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

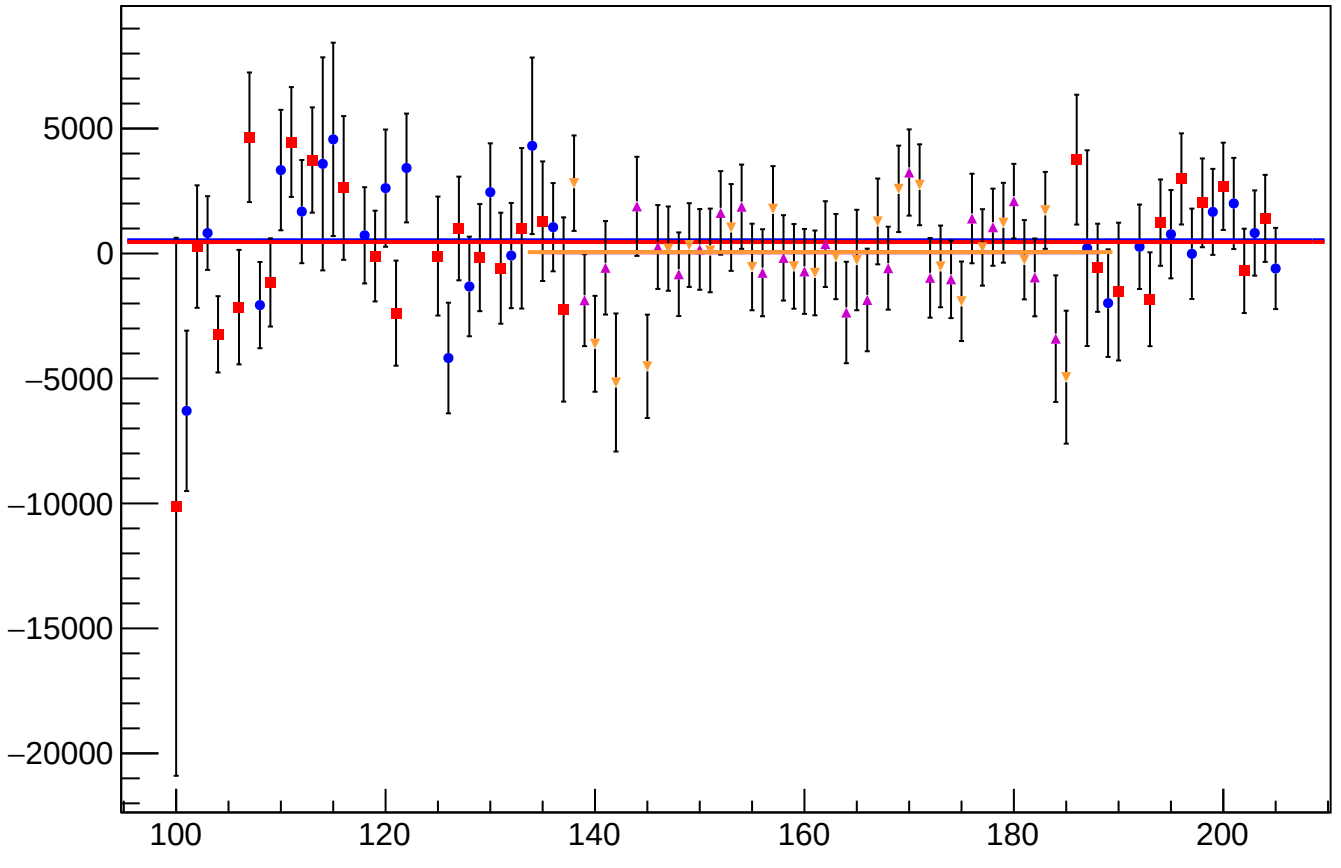
Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 484.170+/-0.068 χ^2/NDF: 13586642.7/48

All: 481.013+/-0.048 χ^2/NDF: 27637758.5/99

- sign 477.946+/-0.067 χ^2/NDF: 14046868.2/50



Right In: 529.142+/-406.619 χ^2/NDF: 23.4/24

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 458.414+/-396.245 χ^2/NDF: 30.2/27

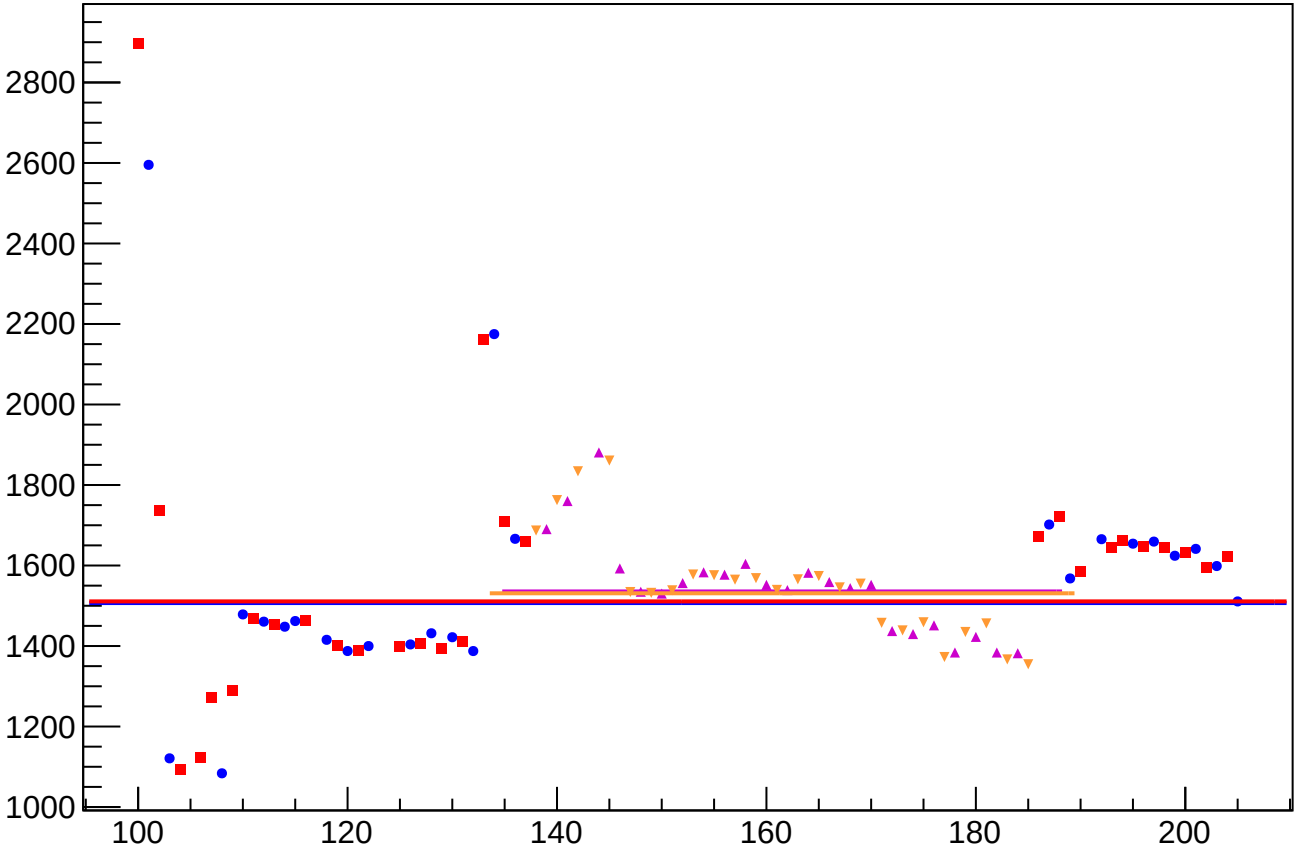
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 260.833+/-268.009 χ^2/NDF: 52.7/48

All: 247.055+/-188.890 χ^2/NDF: 100.2/99

- sign 233.457+/-266.262 χ^2/NDF: 47.5/50

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

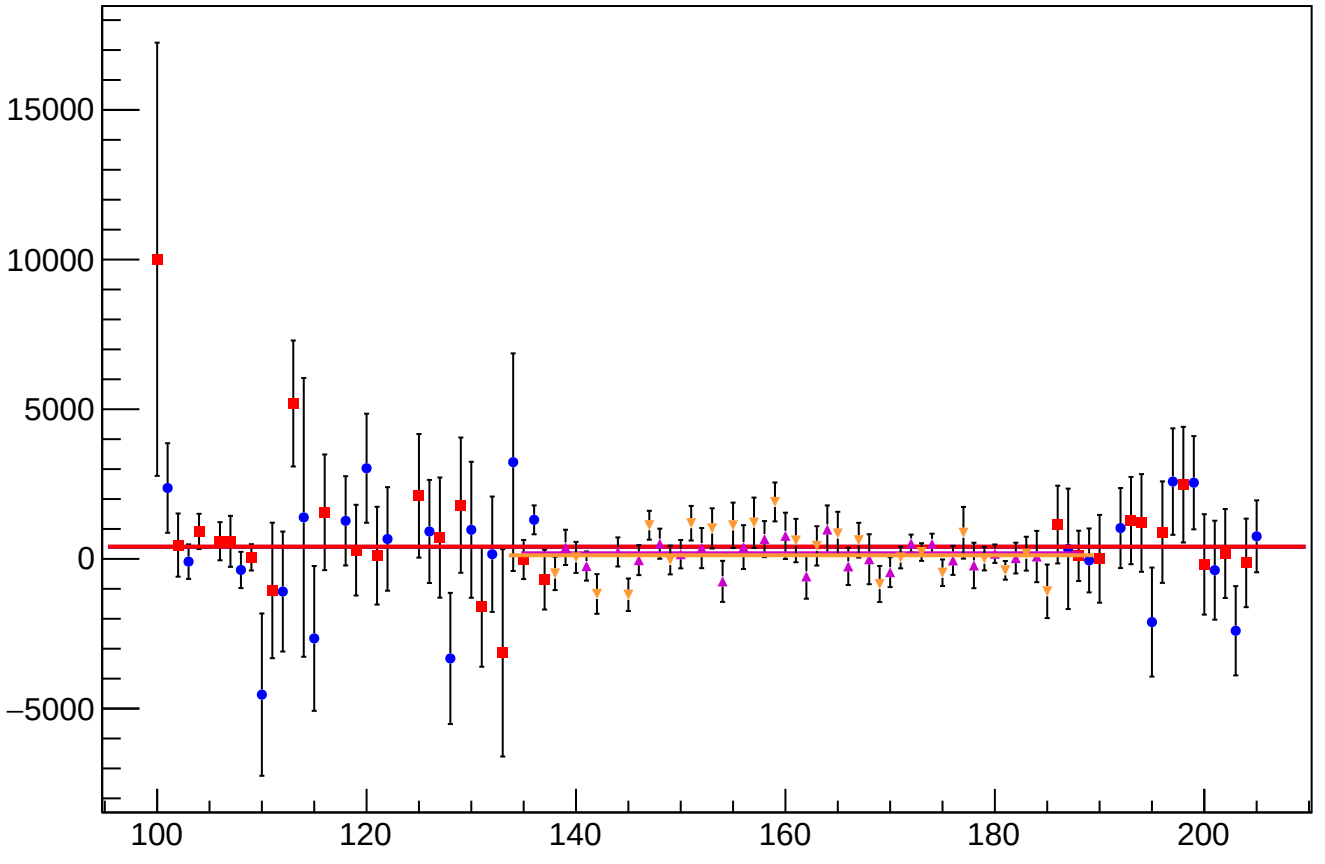
Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.447+/-0.190 χ^2/NDF: 894929.5/48

All: 1522.444+/-0.134 χ^2/NDF: 1640955.9/99

- sign 1524.416+/-0.188 χ^2/NDF: 745805.6/50



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

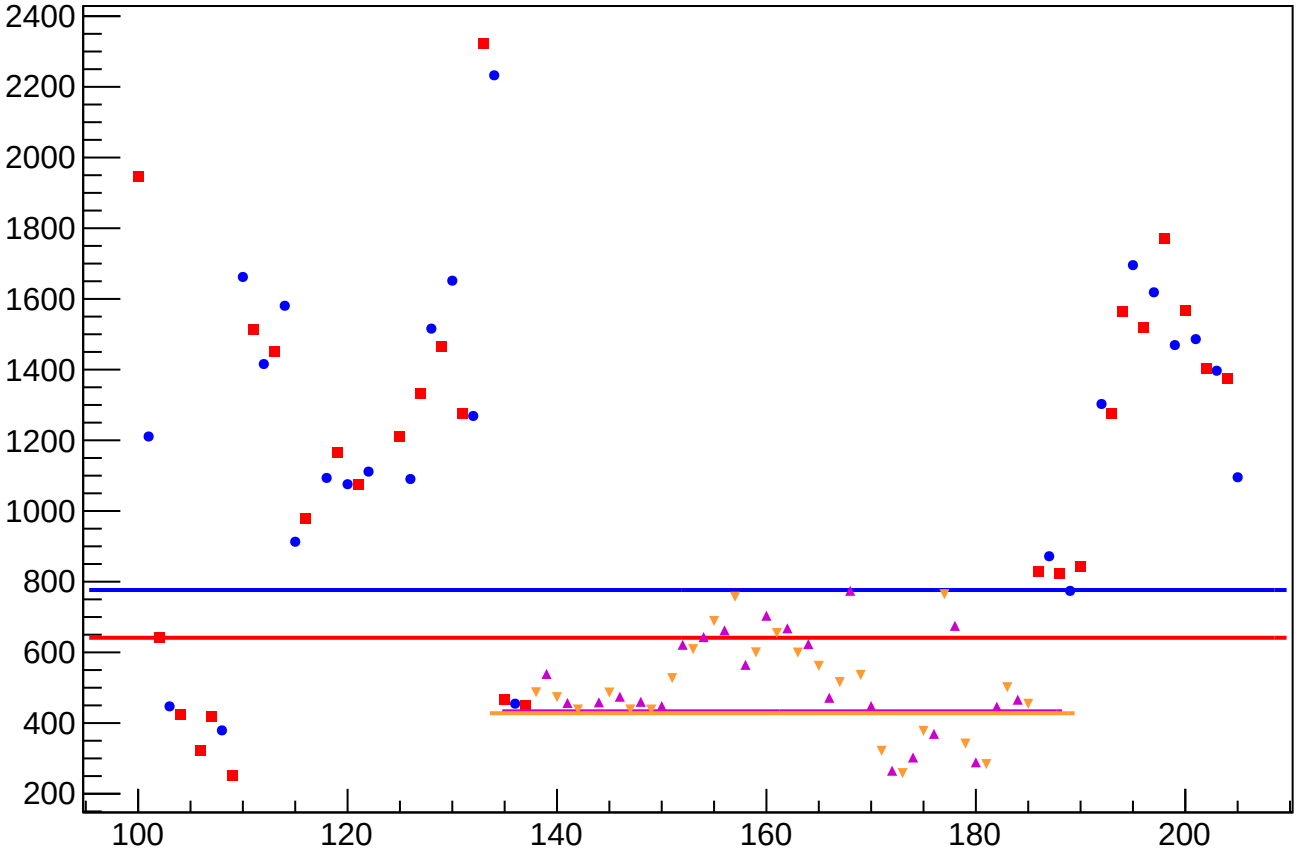
Right Out: 409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.913+/-96.195 χ^2/NDF: 73.6/48

All: 201.307+/-67.522 χ^2/NDF: 103.0/99

- sign 234.713+/-94.802 χ^2/NDF: 29.2/50



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

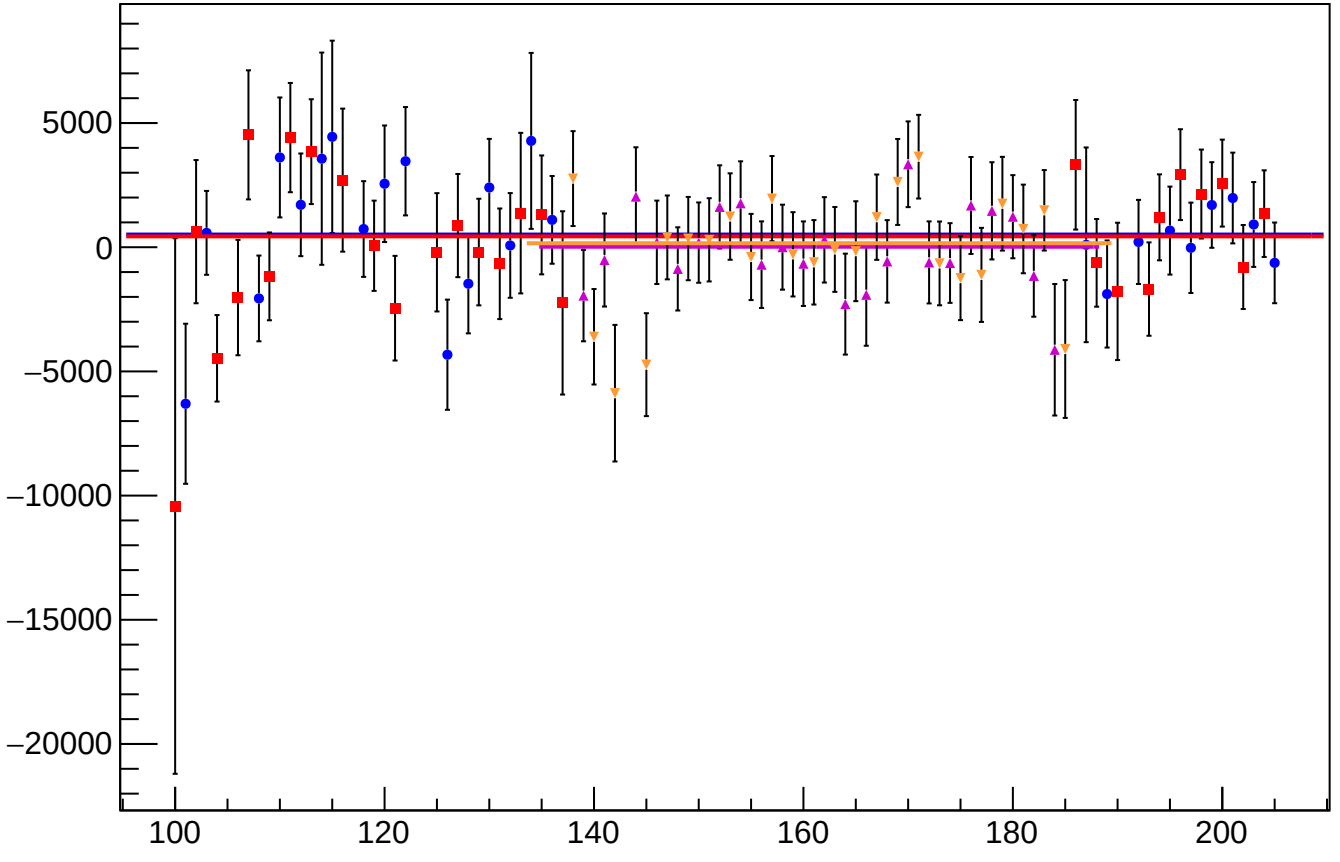
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 484.170+/-0.068 χ^2/NDF: 13586642.7/48

All: 481.013+/-0.048 χ^2/NDF: 27637758.5/99

- sign 477.946+/-0.067 χ^2/NDF: 14046868.2/50

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 509.953+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 437.309+/-401.806 χ^2/NDF: 31.8/27

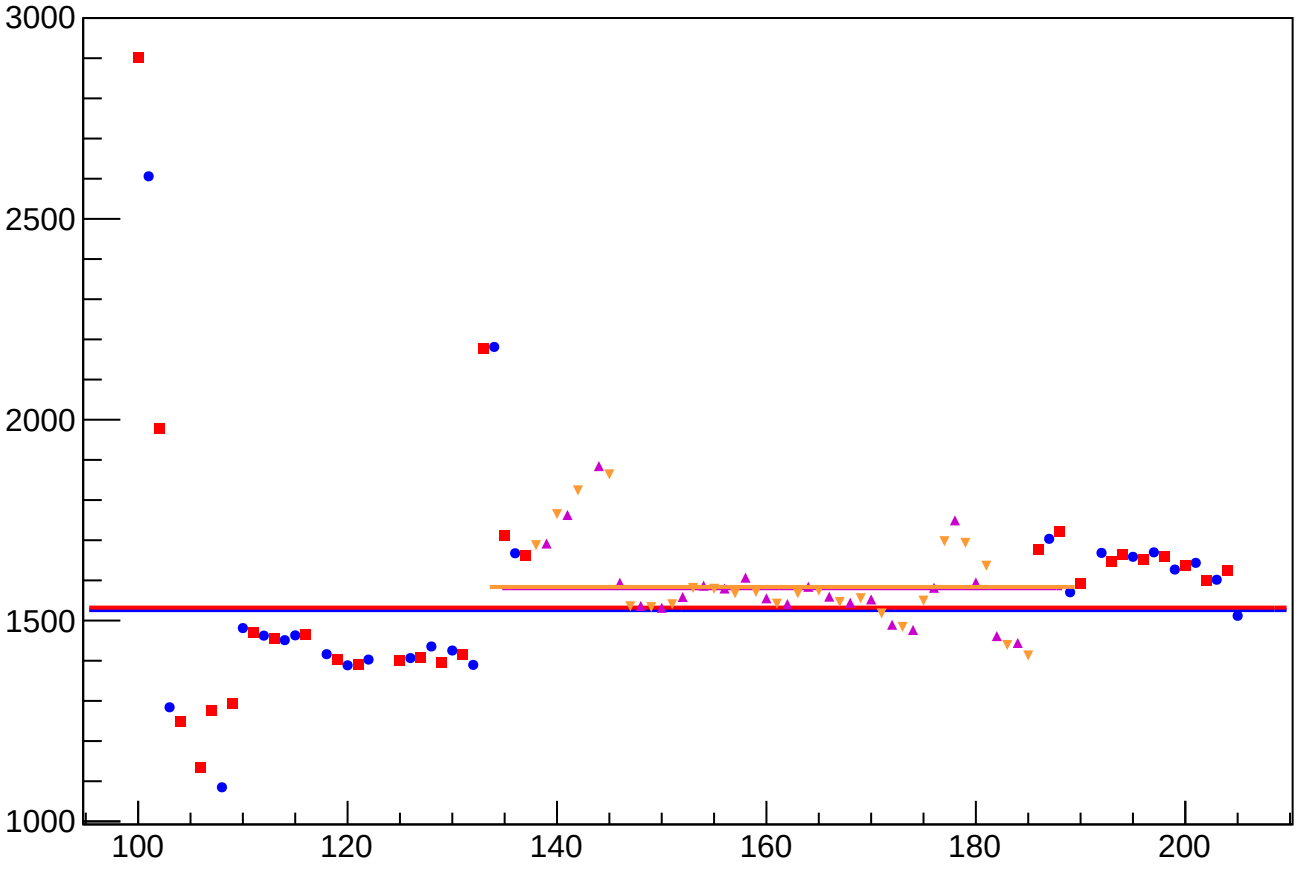
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 316.749+/-274.329 χ^2/NDF: 54.2/48

All: 263.694+/-193.184 χ^2/NDF: 102.6/99

- sign 211.500+/-272.093 χ^2/NDF: 48.3/50

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.8/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

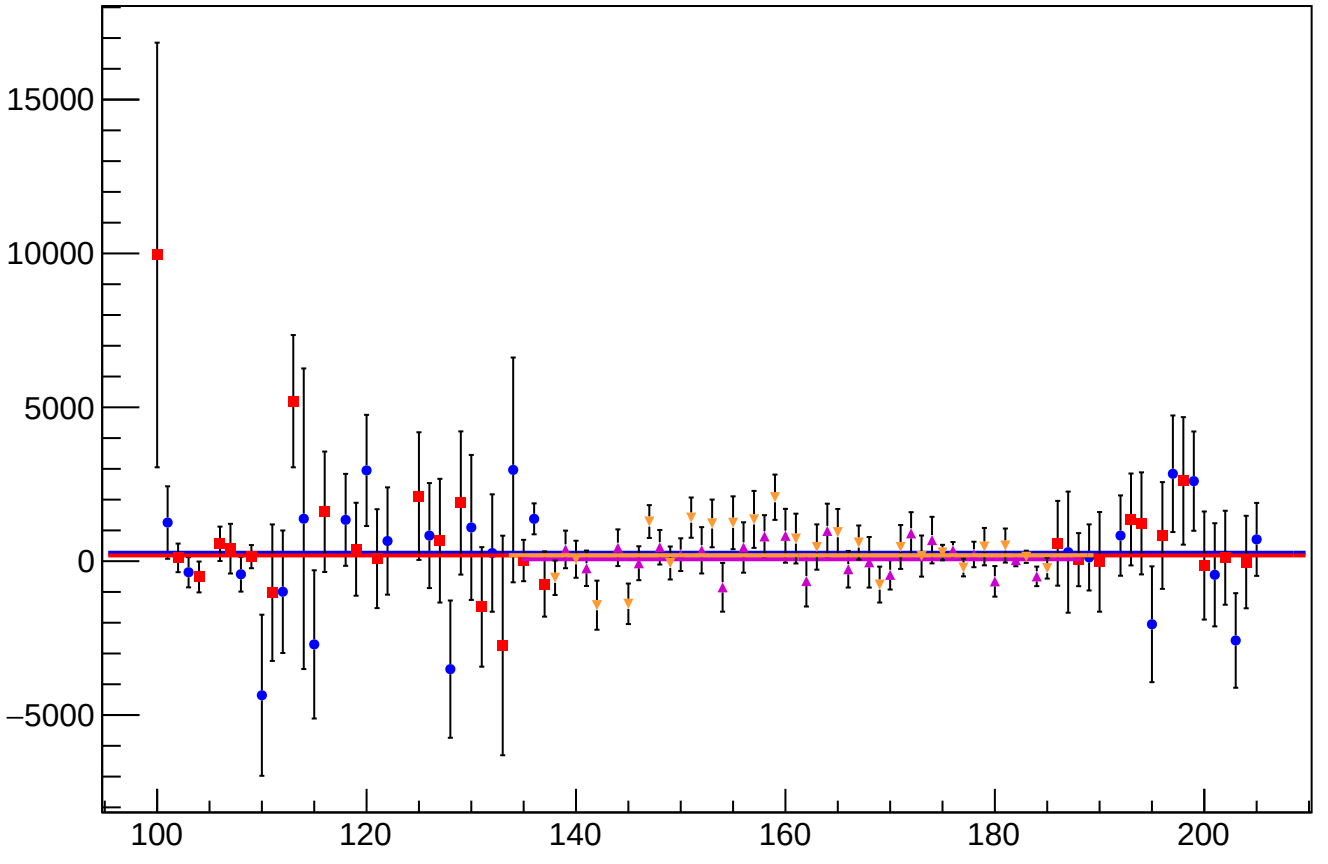
Right Out: 1532.242+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1557.990+/-0.194 χ^2/NDF: 741984.1/48

All: 1558.172+/-0.137 χ^2/NDF: 1360094.8/99

- sign 1558.351+/-0.192 χ^2/NDF: 618108.9/50



Right In: 273.622+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 186.159+/-179.974 χ^2/NDF: 17.2/27

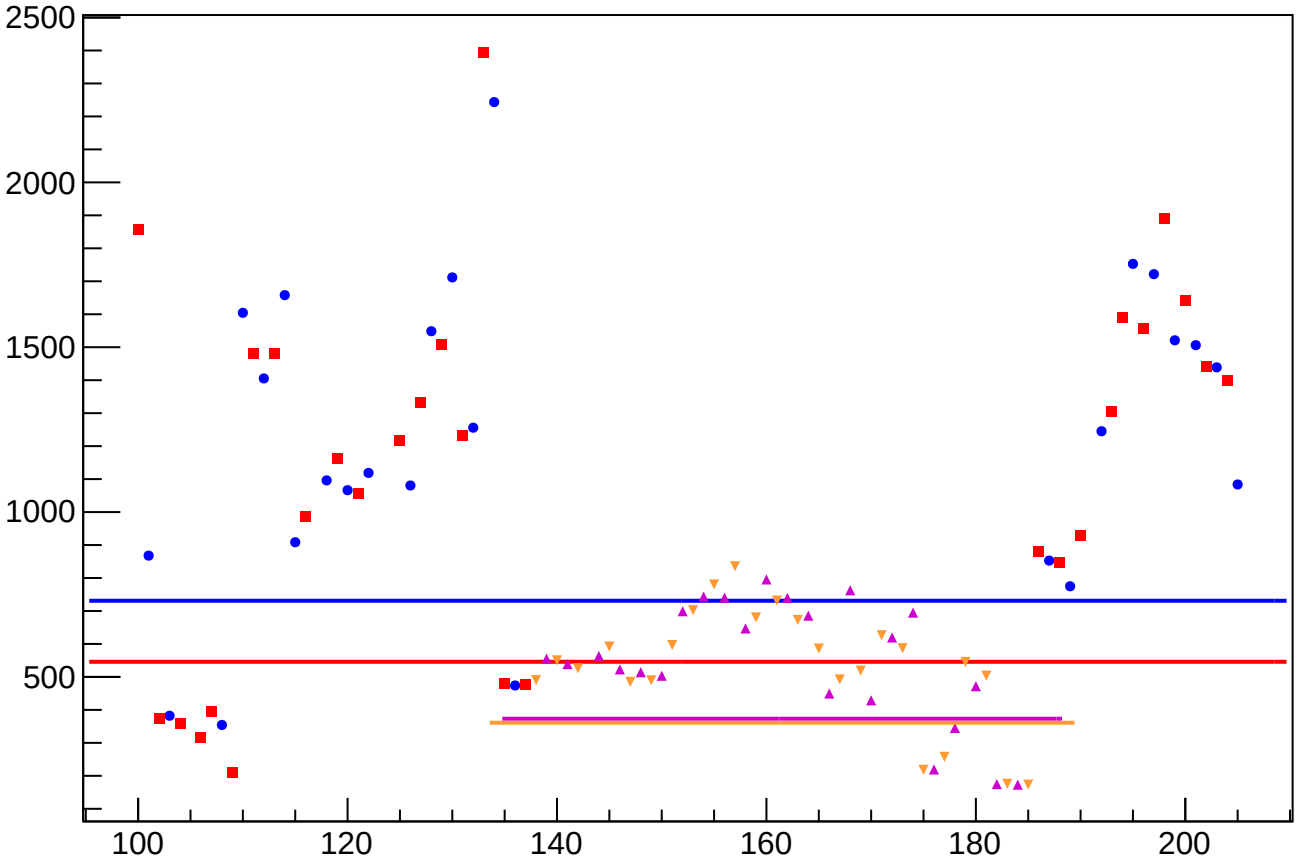
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 205.189+/-88.517 χ^2/NDF: 69.8/48

All: 147.408+/-62.129 χ^2/NDF: 105.2/99

- sign 91.303+/-87.224 χ^2/NDF: 34.6/50

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 731.011+/-0.163 χ^2/NDF: 7432287.4/24

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

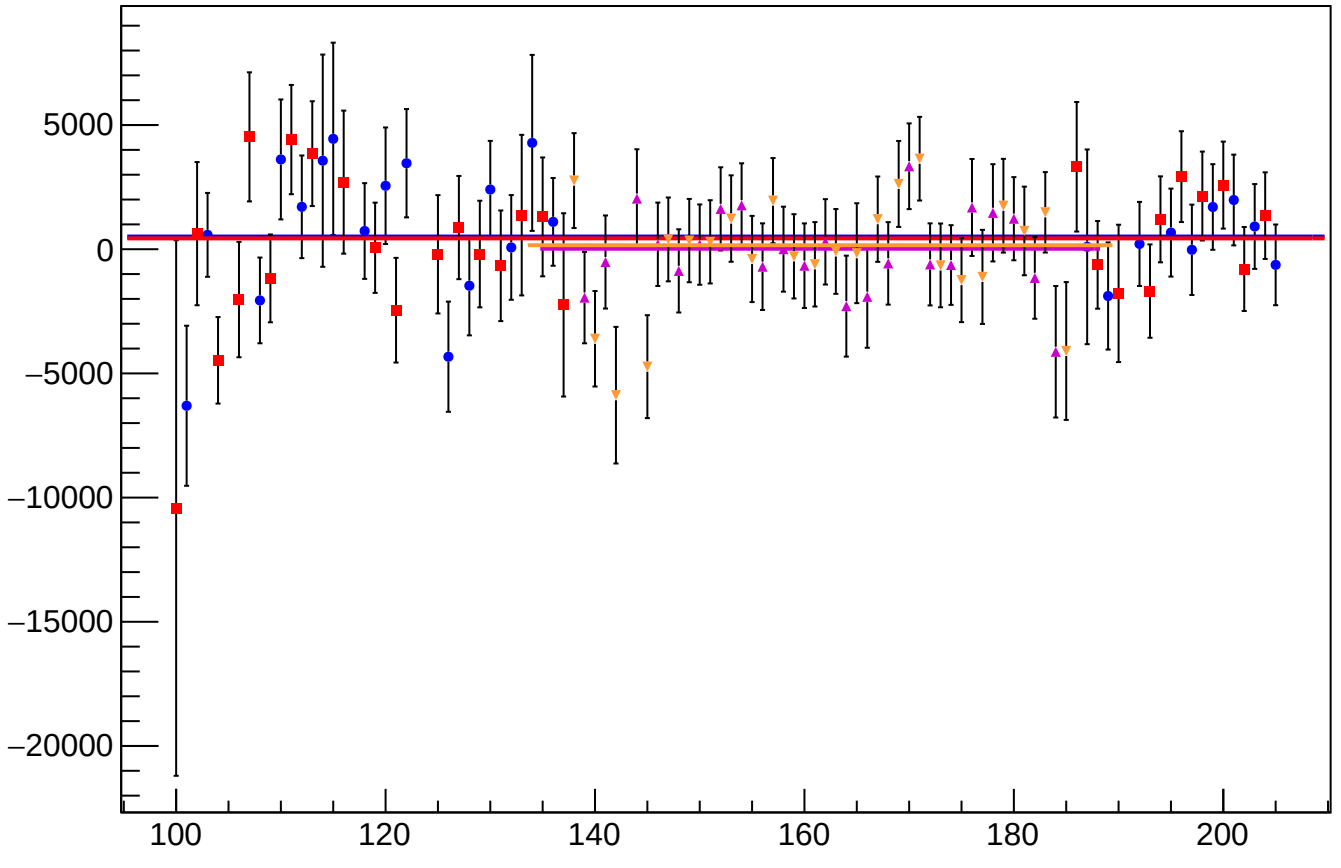
Right Out: 545.894+/-0.127 χ^2/NDF: 11061588.3/27

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 415.823+/-0.063 χ^2/NDF: 20018105.2/48

All: 414.754+/-0.044 χ^2/NDF: 40697543.7/99

- sign 413.717+/-0.062 χ^2/NDF: 20678864.3/50



Right In: 509.954+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

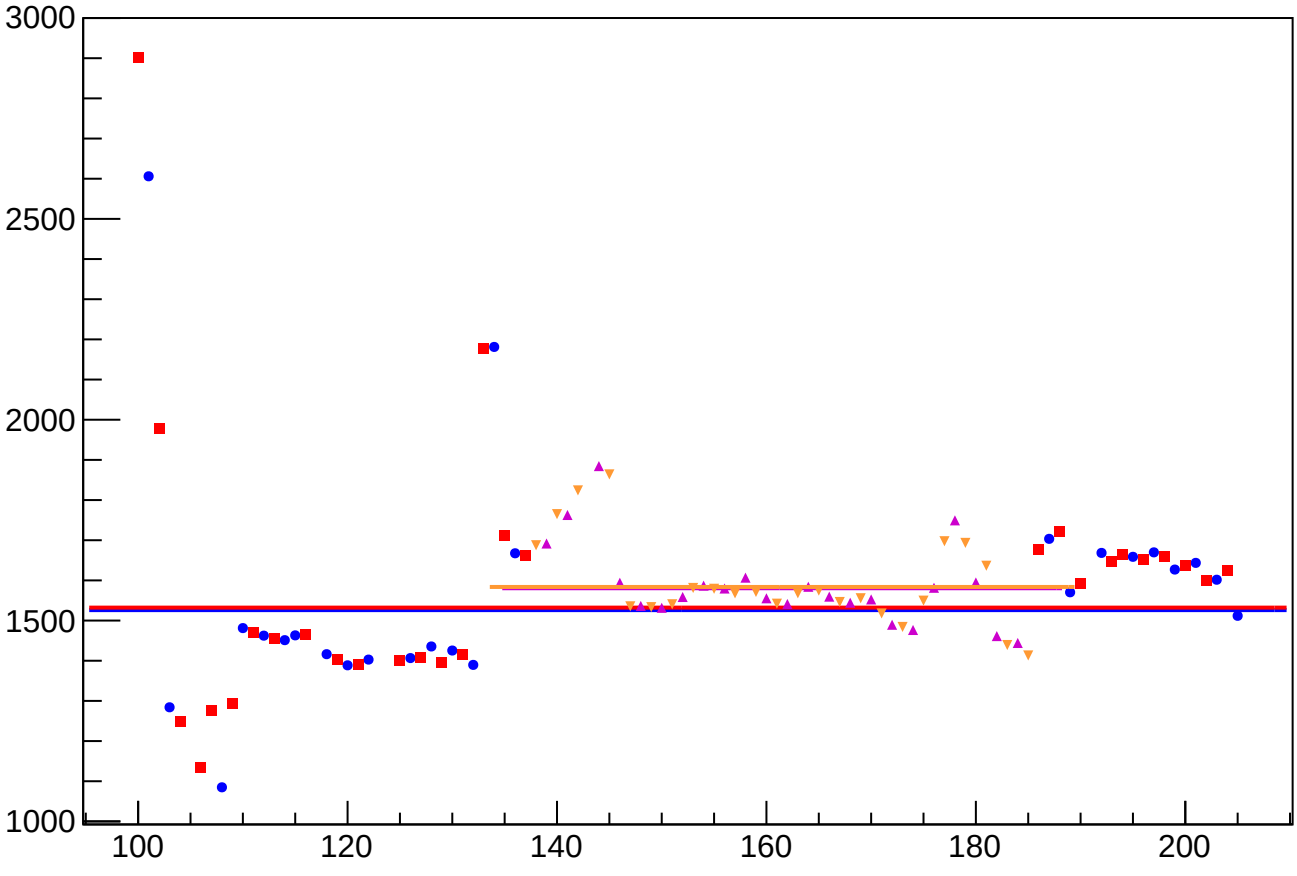
Right Out: 437.309+/-401.806 χ^2/NDF: 31.8/27

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 316.748+/-274.329 χ^2/NDF: 54.2/48

All: 263.693+/-193.184 χ^2/NDF: 102.6/99

\- sign 211.499+/-272.093 χ^2/NDF: 48.3/50



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.2/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

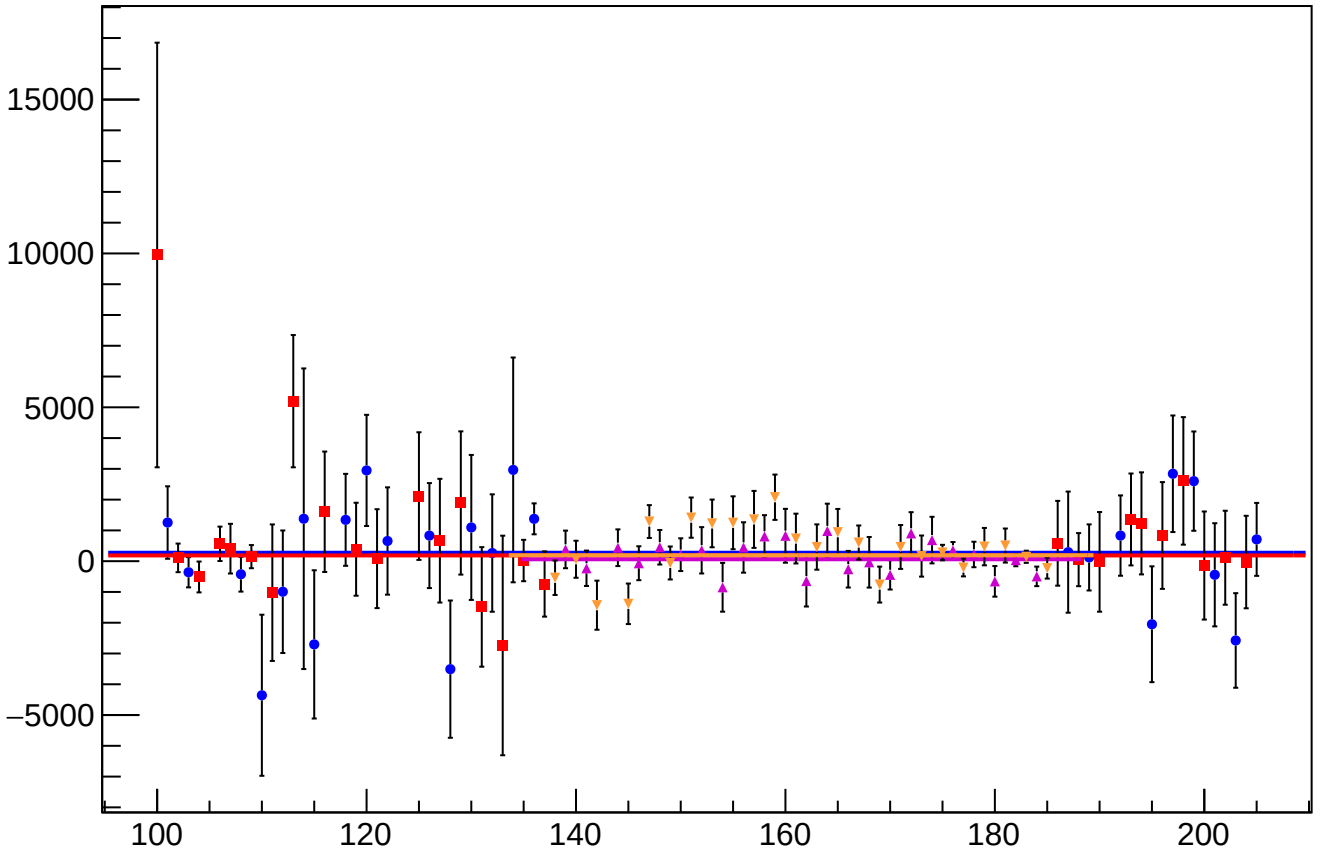
Right Out: 1532.241+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1557.989+/-0.194 χ^2/NDF: 741983.5/48

All: 1558.172+/-0.137 χ^2/NDF: 1360094.2/99

- sign 1558.351+/-0.192 χ^2/NDF: 618108.9/50



Right In: 273.616+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

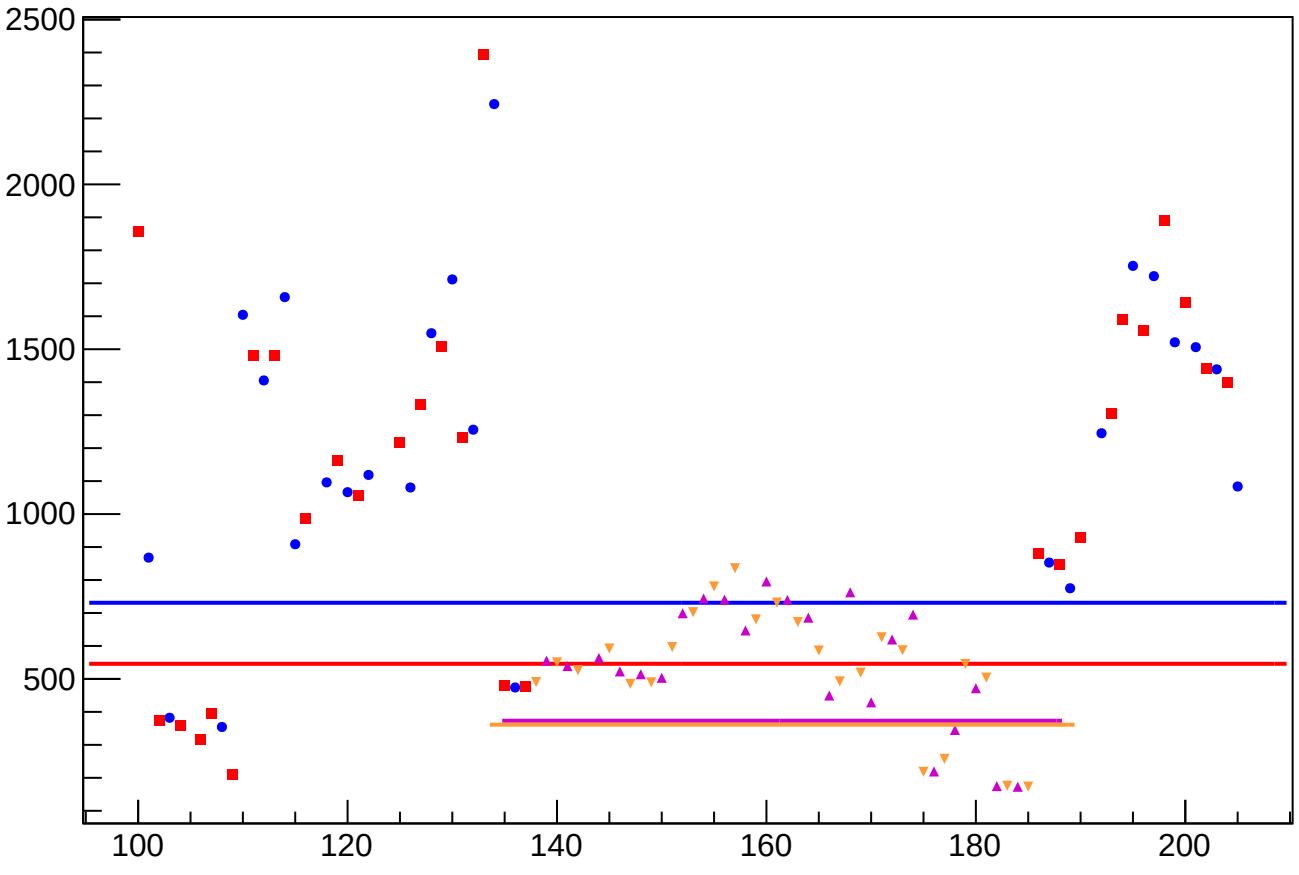
Right Out: 186.156+/-179.975 χ^2/NDF: 17.2/27

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 205.192+/-88.517 χ^2/NDF: 69.8/48

All: 147.408+/-62.129 χ^2/NDF: 105.2/99

\- sign 91.300+/-87.224 χ^2/NDF: 34.6/50



Right In: 731.009+/-0.163 χ^2/NDF: 7432323.1/24

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

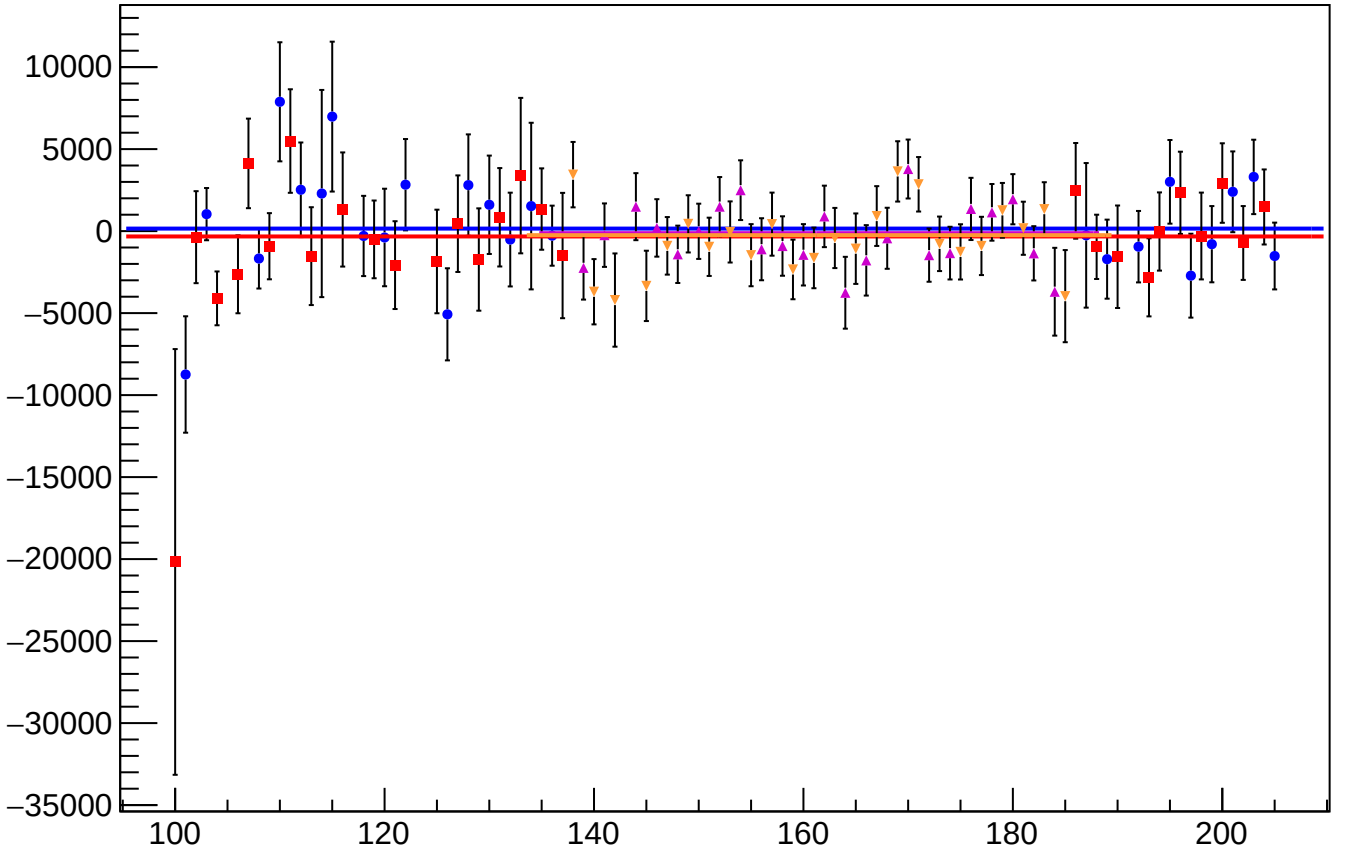
Right Out: 545.900+/-0.127 χ^2/NDF: 11061447.7/27

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 415.826+/-0.063 χ^2/NDF: 20017856.6/48

All: 414.759+/-0.044 χ^2/NDF: 40696918.0/99

- sign 413.722+/-0.062 χ^2/NDF: 20678488.0/50



Right In: 153.802+/-514.405 χ^2/NDF: 27.7/24

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -326.166+/-495.549 χ^2/NDF: 23.2/27

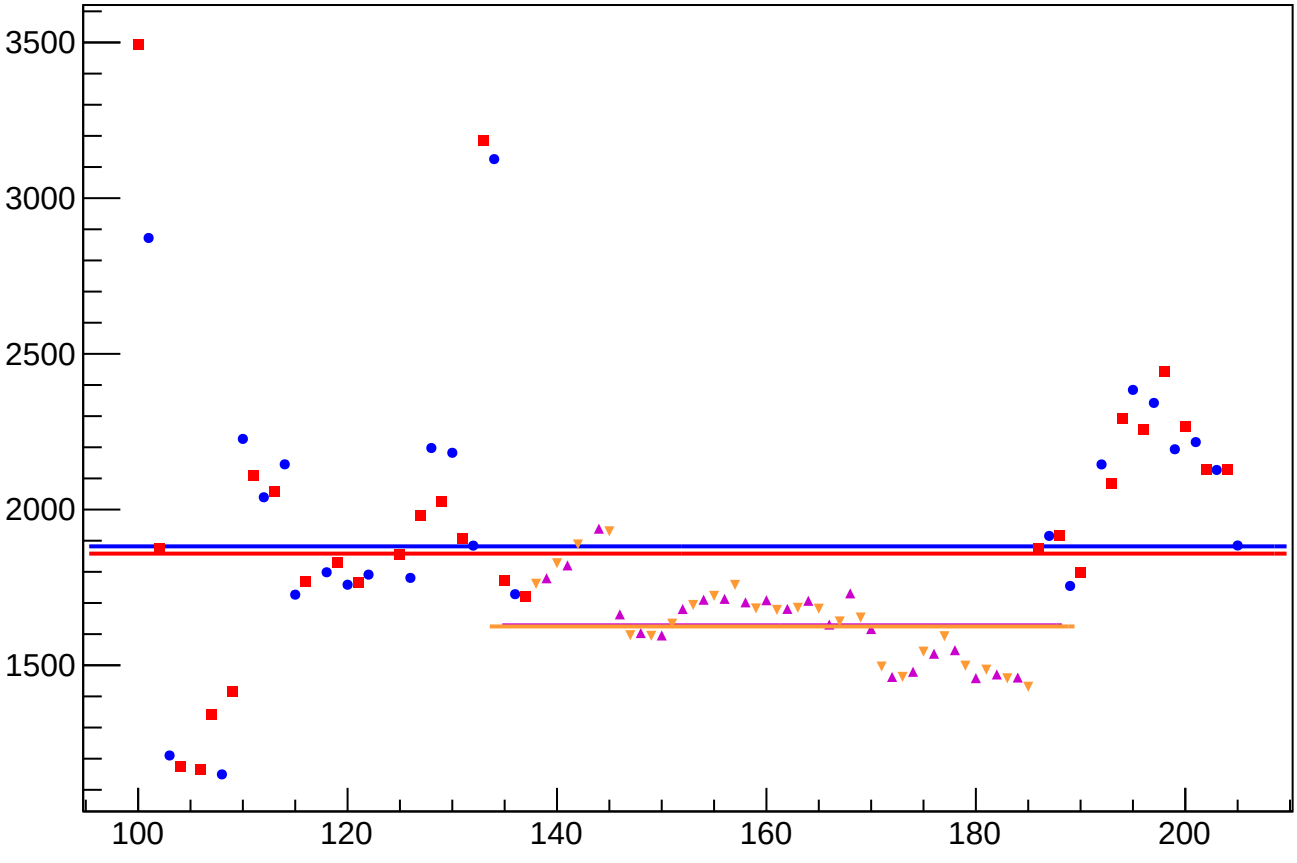
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -106.426+/-304.721 χ^2/NDF: 54.2/48

All: -153.860+/-214.573 χ^2/NDF: 98.7/99

- sign -200.511+/-302.198 χ^2/NDF: 44.5/50

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1881.818+/-0.364 χ^2/NDF: 1320930.7/24

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1858.542+/-0.350 χ^2/NDF: 1261950.5/27

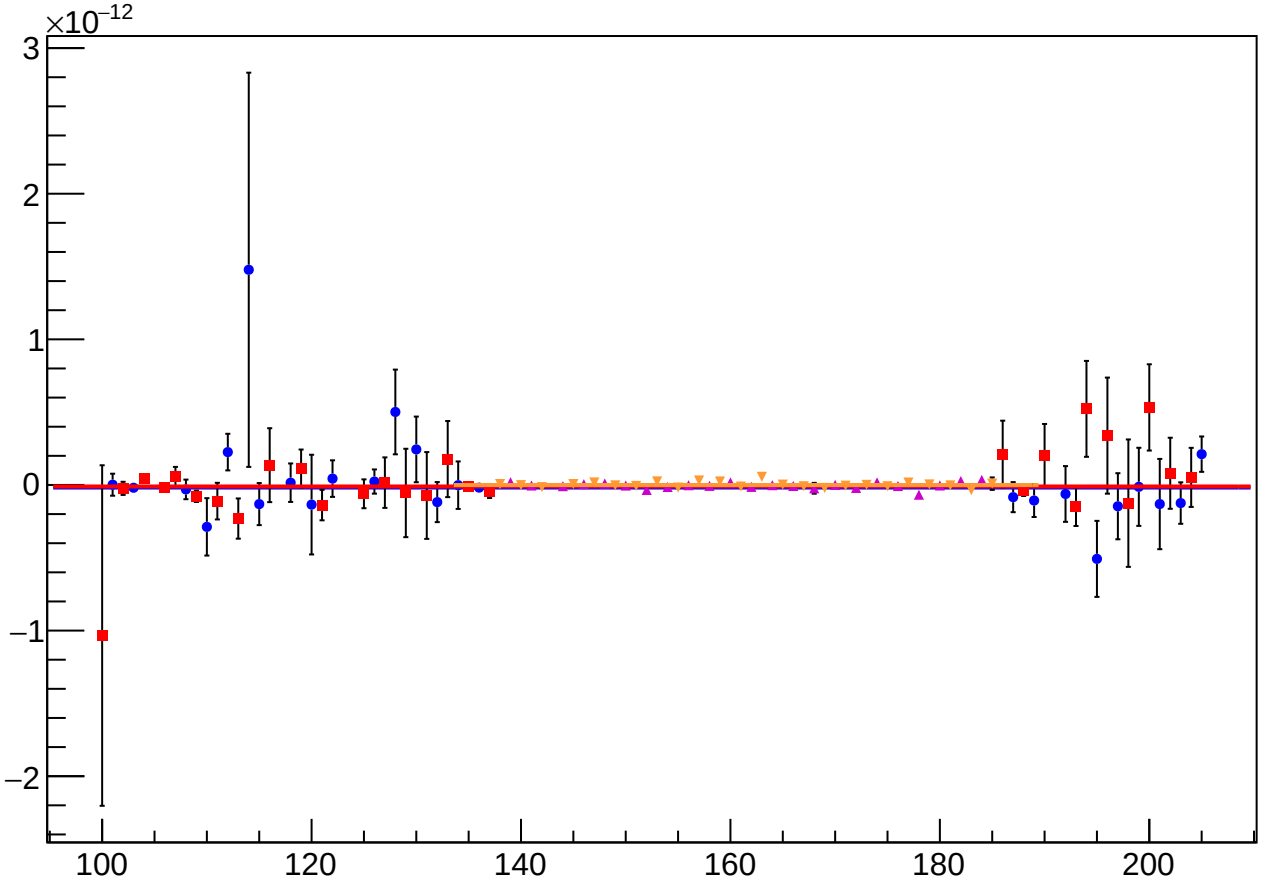
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1714.869+/-0.215 χ^2/NDF: 1852736.3/48

All: 1714.368+/-0.152 χ^2/NDF: 3590950.3/99

- sign 1713.875+/-0.214 χ^2/NDF: 1738203.3/50

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

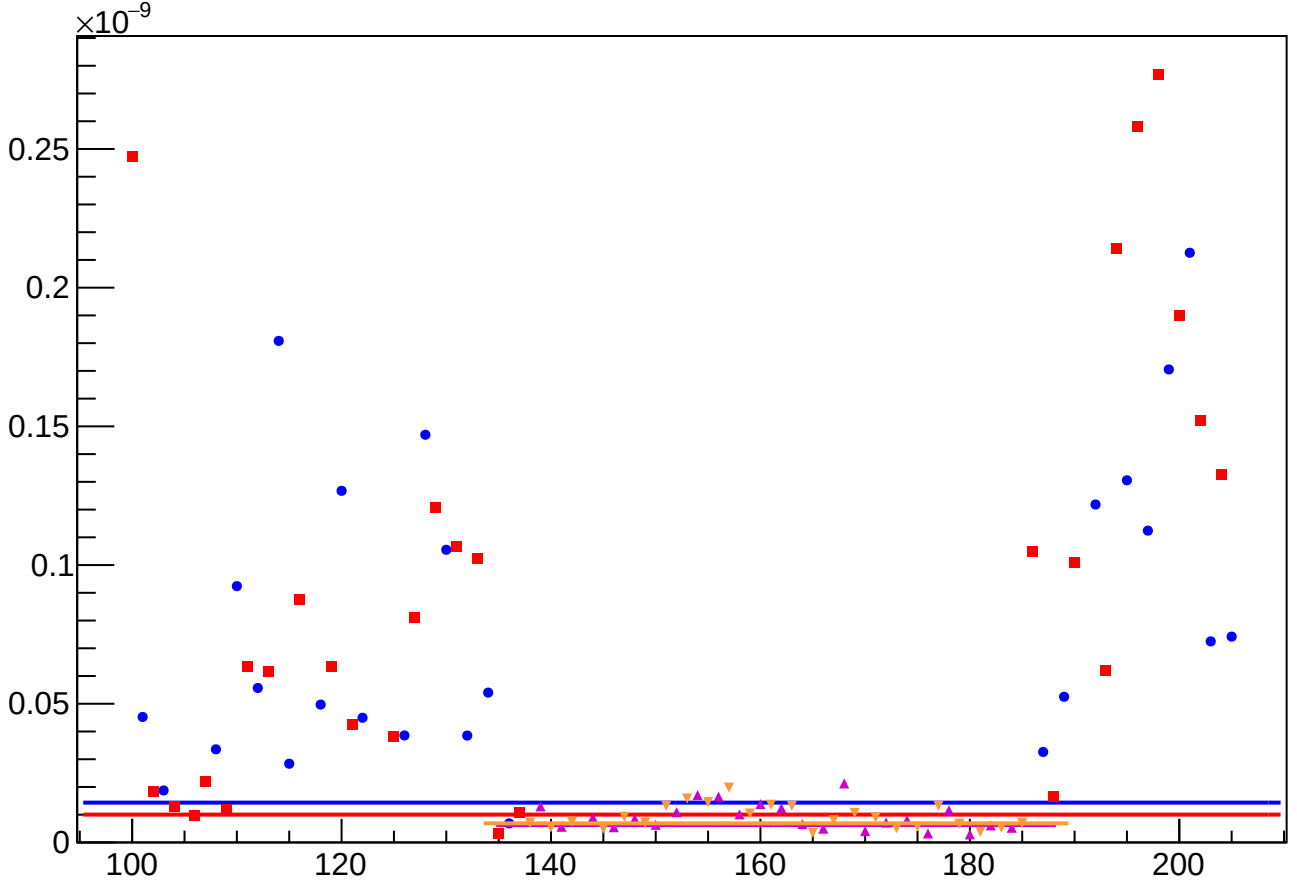
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.8/48

All: -0.000+/-0.000 χ^2/NDF: 100.0/99

- sign -0.000+/-0.000 χ^2/NDF: 52.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 7536669.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

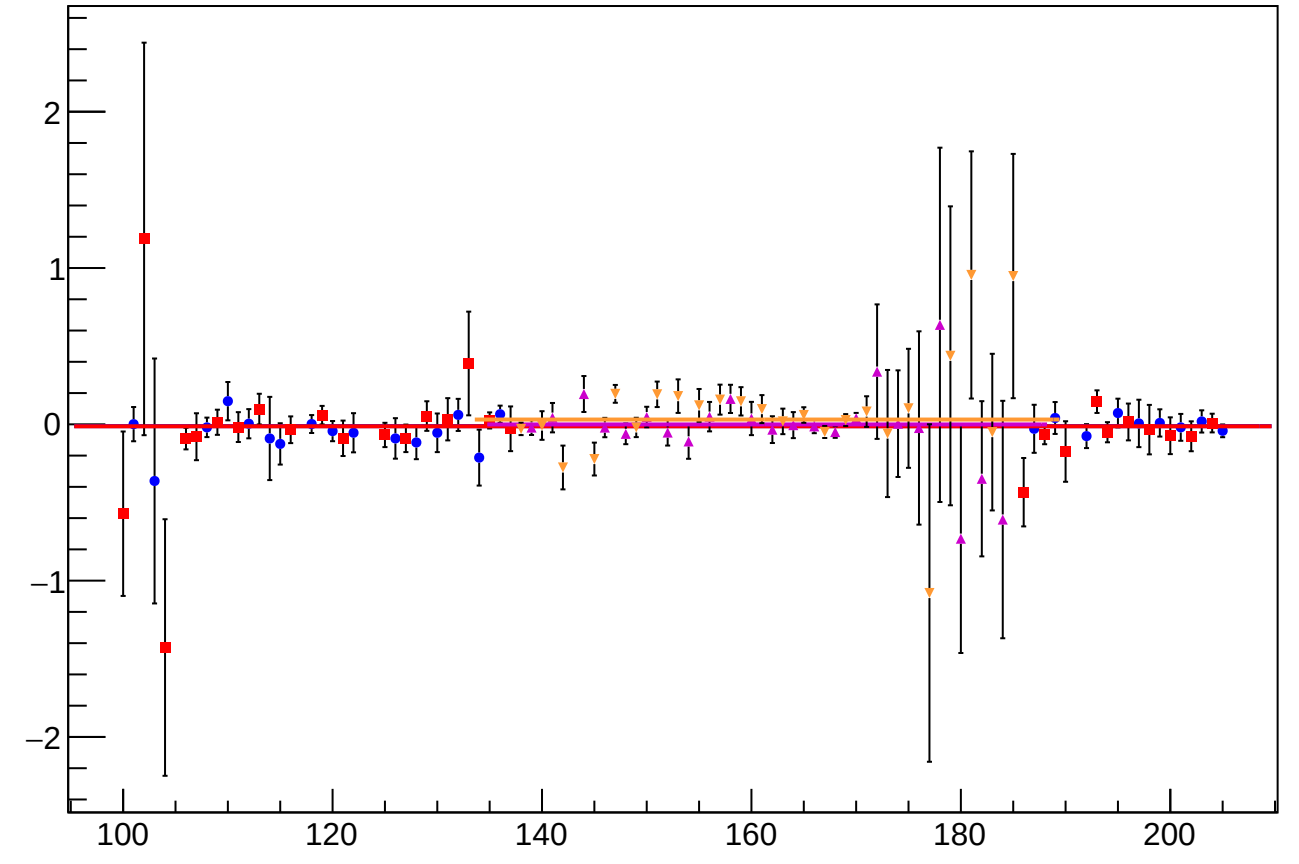
Right Out: 0.000+/-0.000 χ^2/NDF: 9093766.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10811596.0/48

All: 0.000+/-0.000 χ^2/NDF: 23243786.8/99

- sign 0.000+/-0.000 χ^2/NDF: 12341731.5/50



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

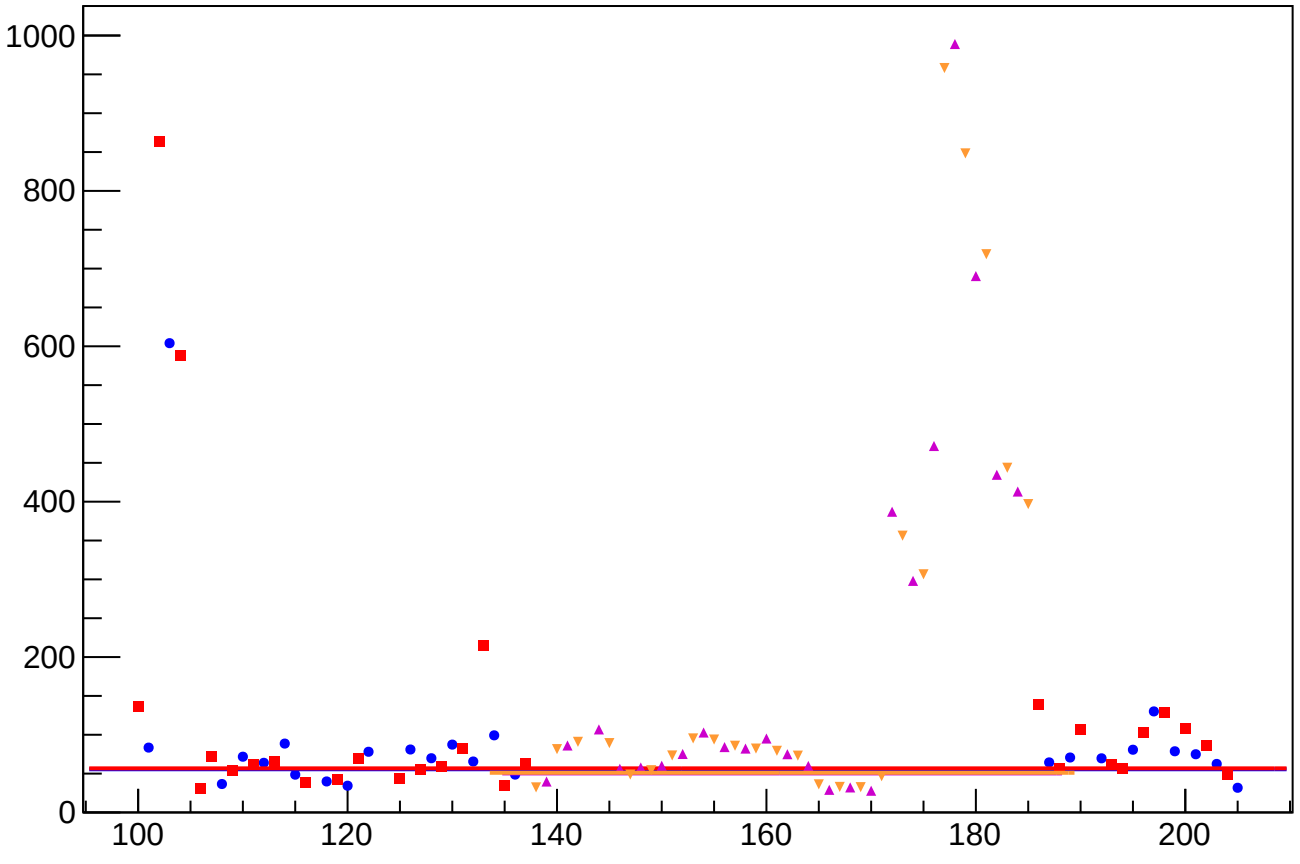
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.003+/-0.008 χ^2/NDF: 98.2/99

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

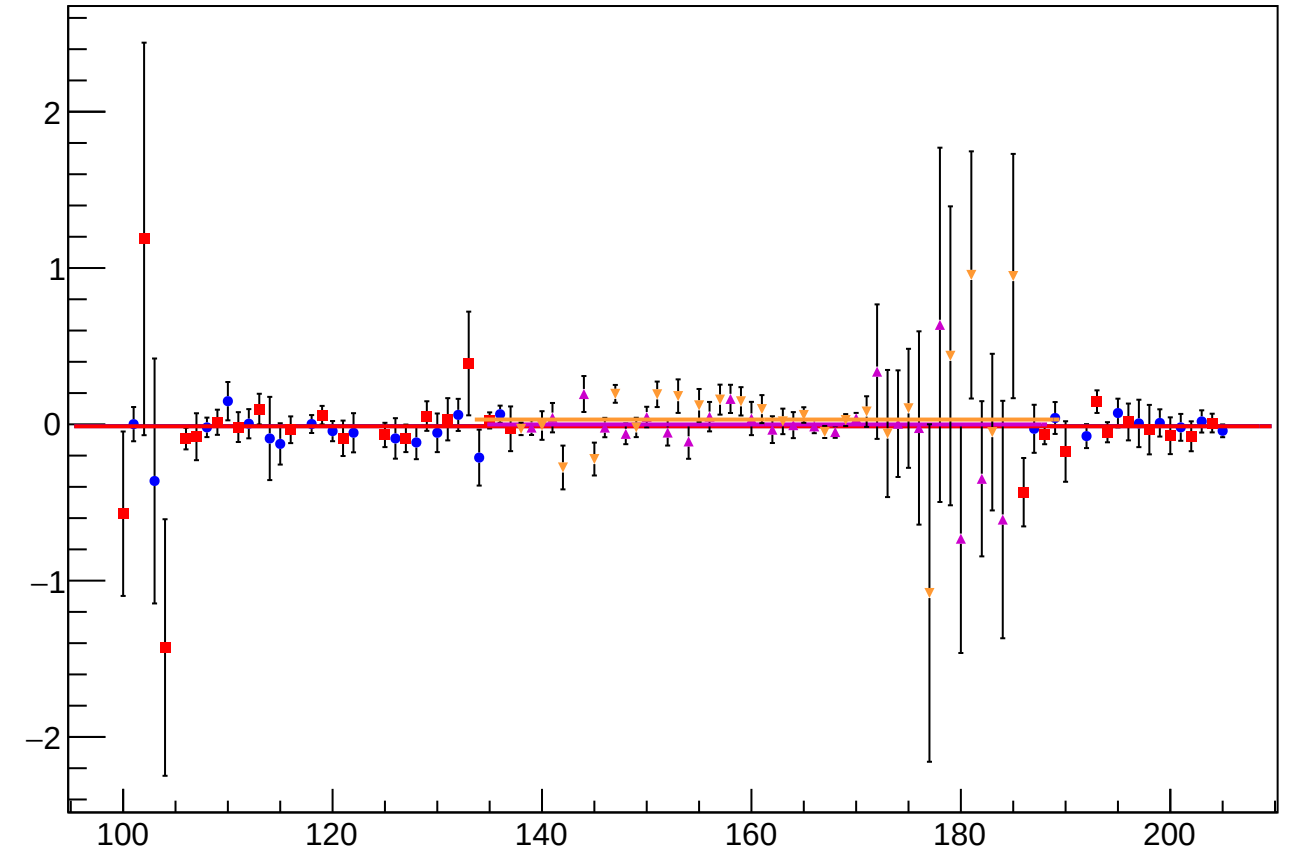
Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.114+/-0.008 χ^2/NDF: 15730493.6/48

All: 53.107+/-0.006 χ^2/NDF: 33070529.1/99

- sign 53.100+/-0.008 χ^2/NDF: 17340033.9/50



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

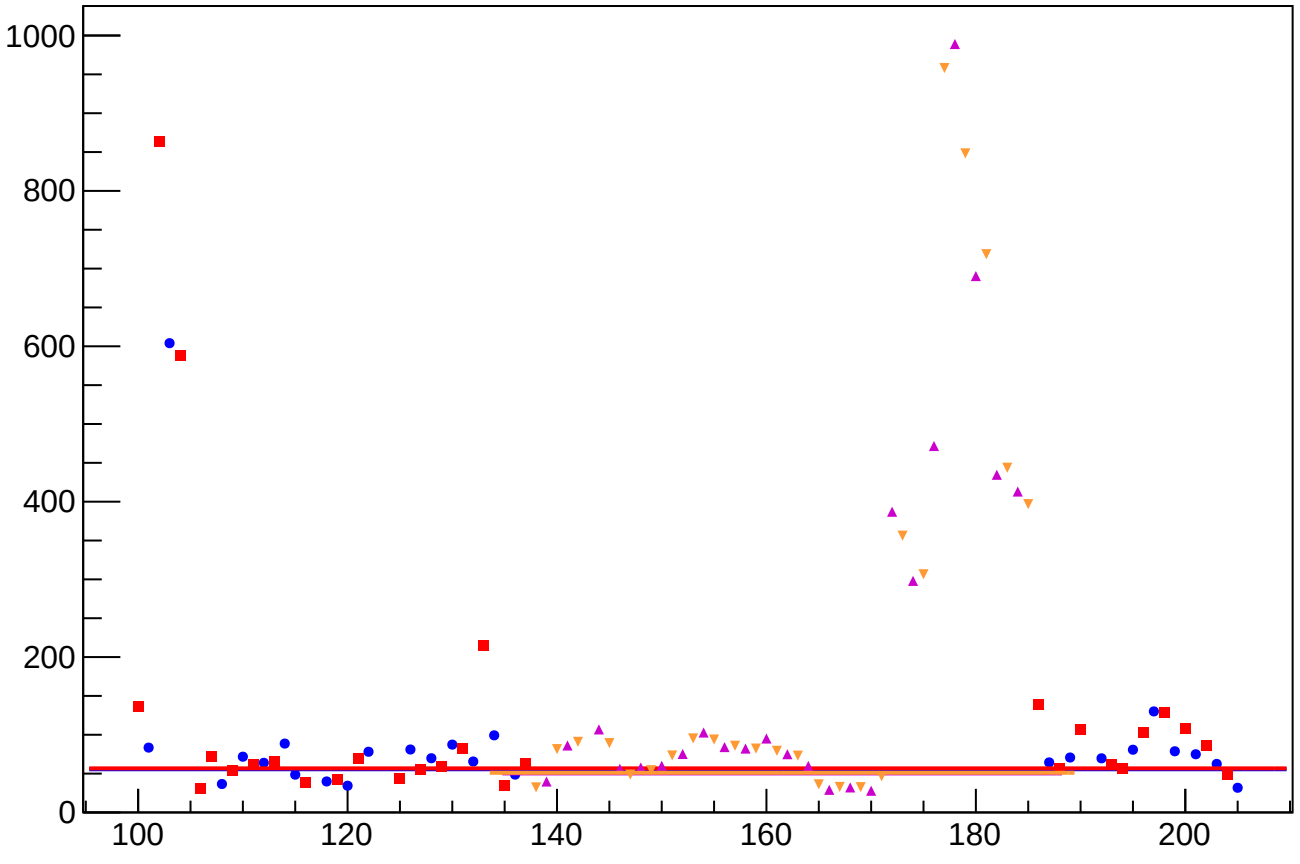
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.003+/-0.008 χ^2/NDF: 98.2/99

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

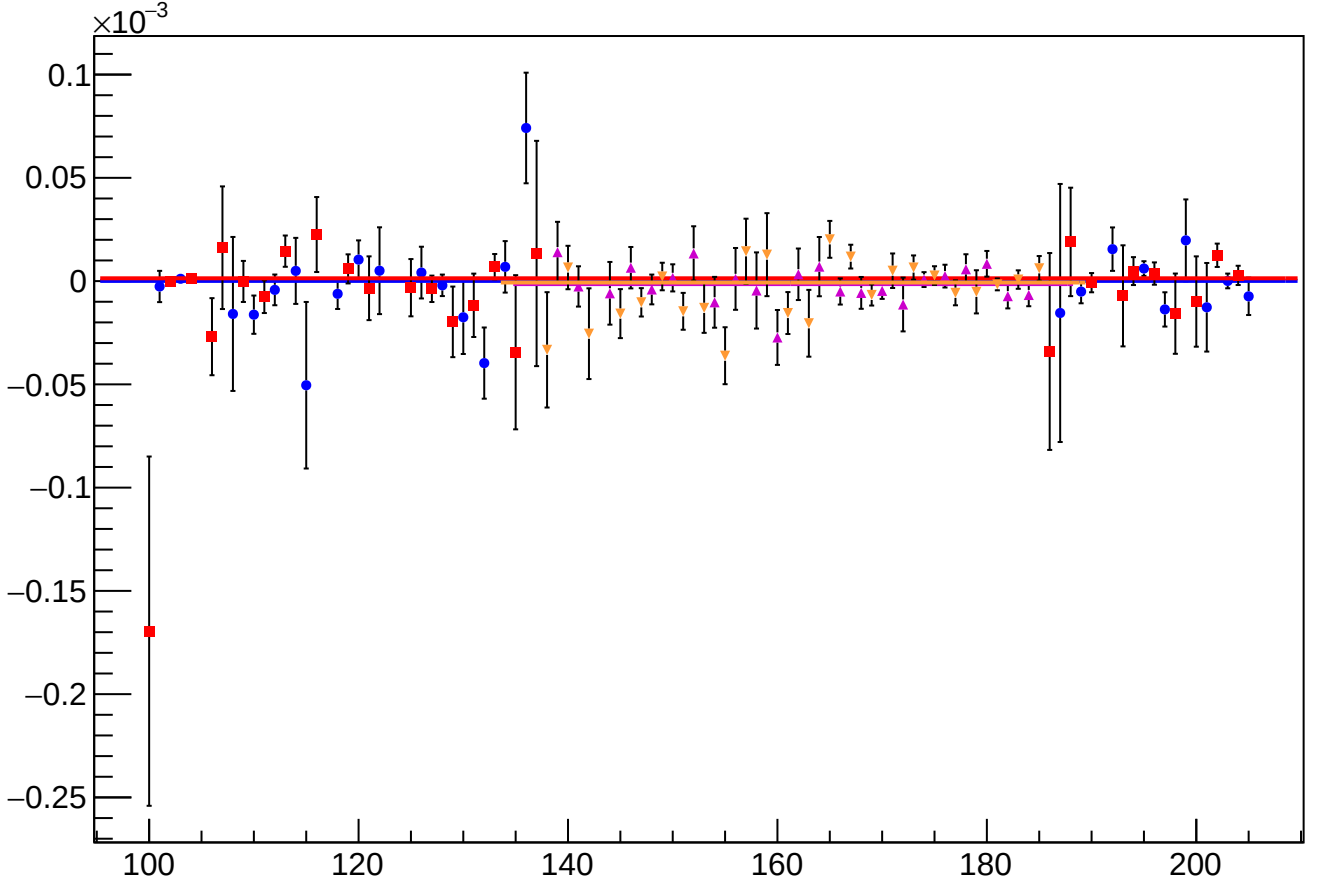
Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.114+/-0.008 χ^2/NDF: 15730493.6/48

All: 53.107+/-0.006 χ^2/NDF: 33070529.1/99

- sign 53.100+/-0.008 χ^2/NDF: 17340033.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

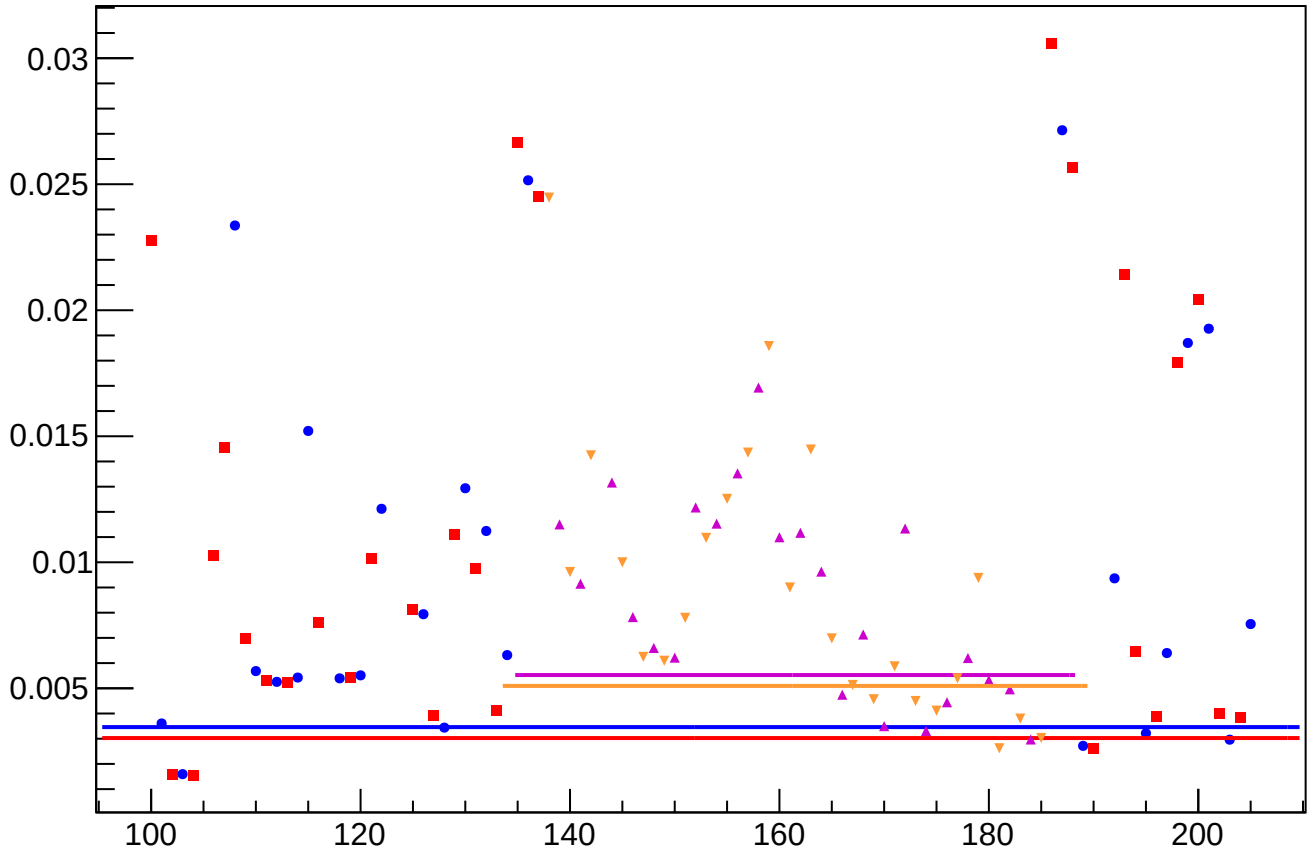
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/27

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/48

All: 0.000+/-0.000 χ^2/NDF: 115.3/99

- sign 0.000+/-0.000 χ^2/NDF: 43.6/50



Right In: 0.003+/-0.000 χ^2/NDF: 9814614.2/24

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

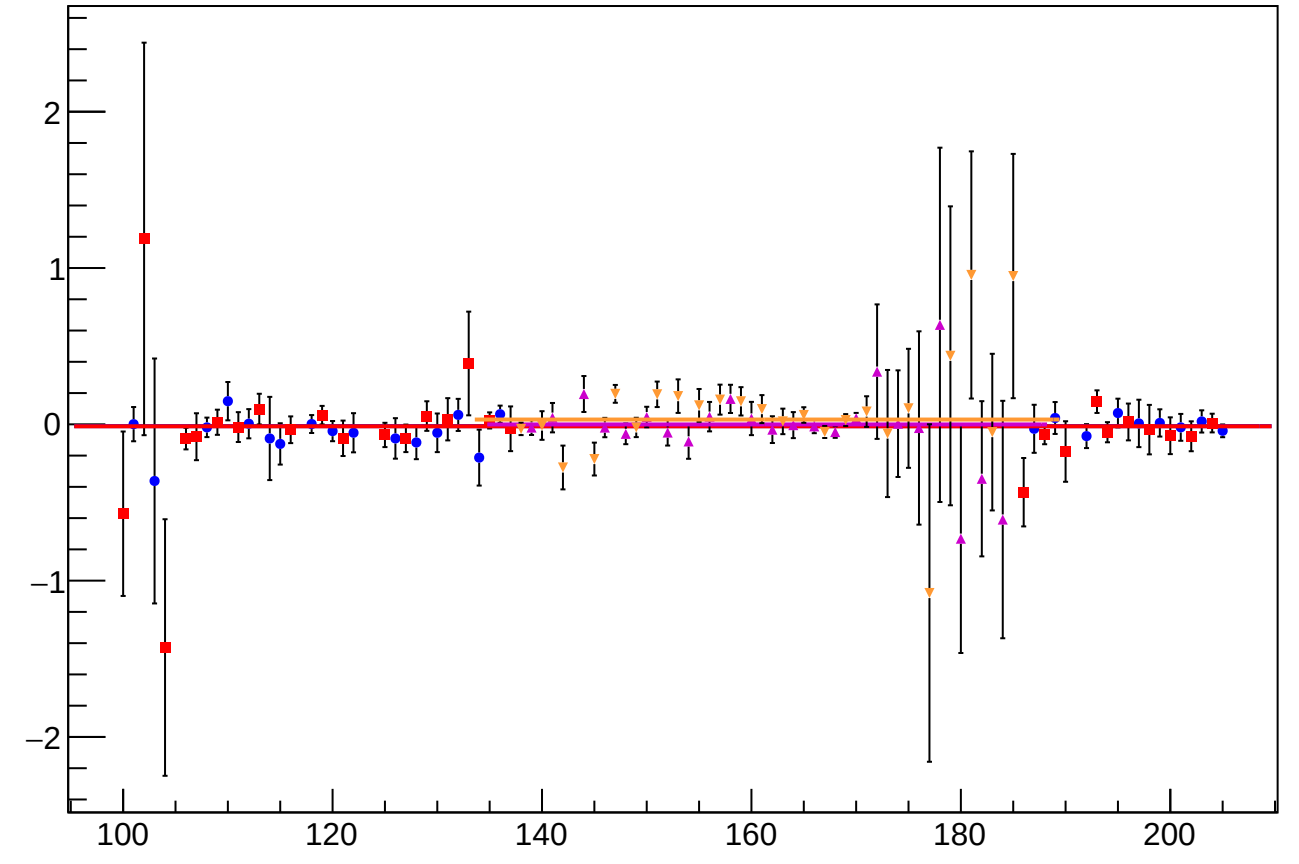
Right Out: 0.003+/-0.000 χ^2/NDF: 12963728.6/27

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 19691297.2/48

All: 0.004+/-0.000 χ^2/NDF: 43214725.8/99

- sign 0.004+/-0.000 χ^2/NDF: 23414412.9/50



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

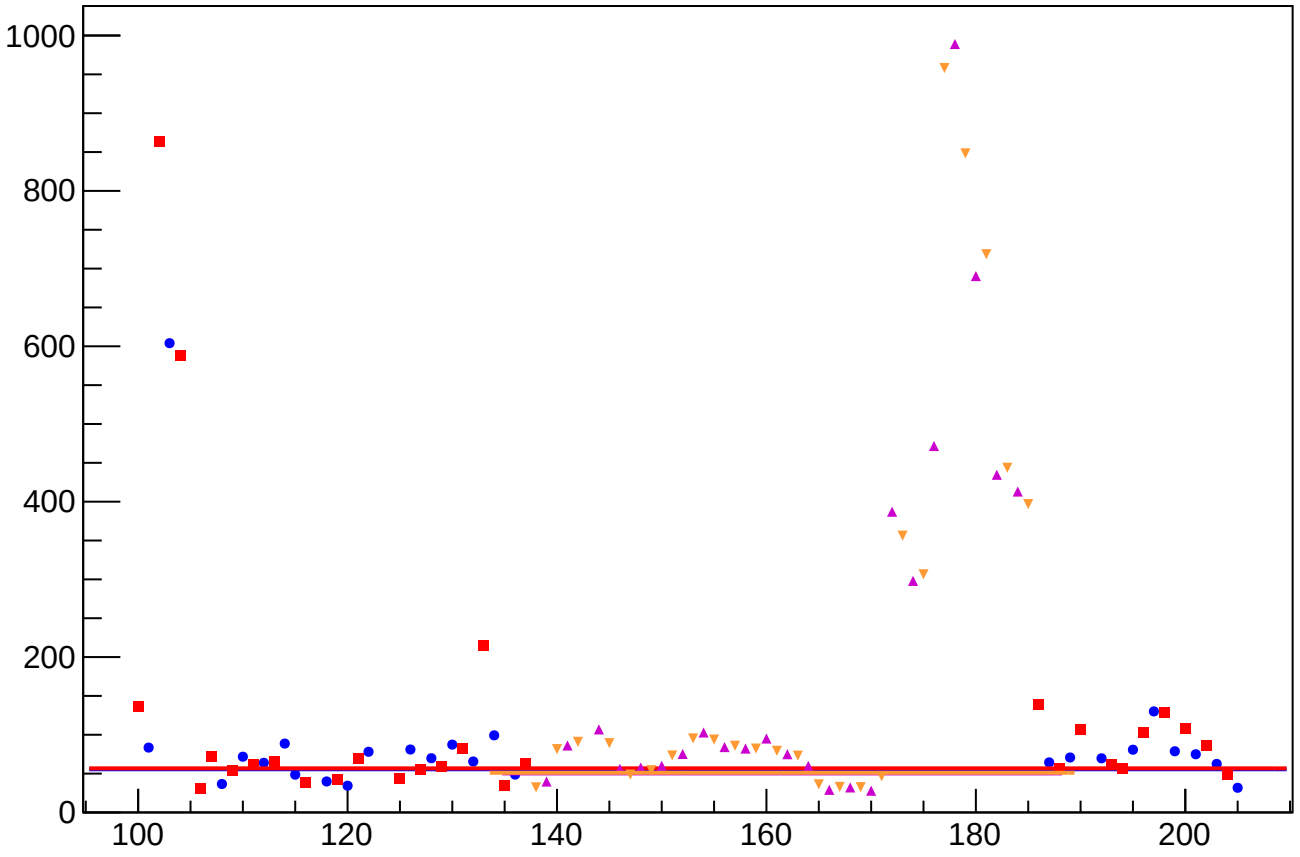
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.003+/-0.008 χ^2/NDF: 98.2/99

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

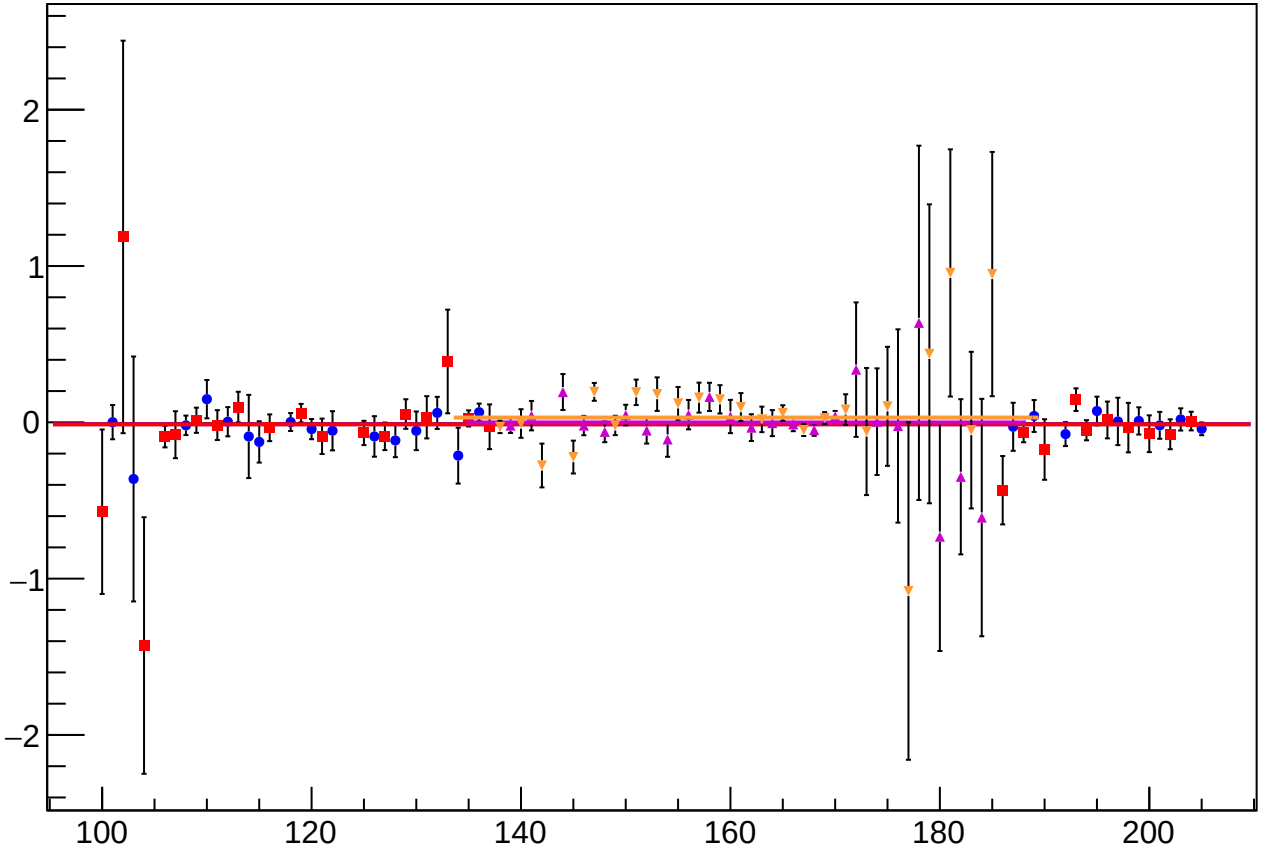
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 53.117+/-0.008 χ^2/NDF: 15729087.8/48

All: 53.109+/-0.006 χ^2/NDF: 33068873.9/99

\- sign 53.101+/-0.008 χ^2/NDF: 17339784.1/50

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

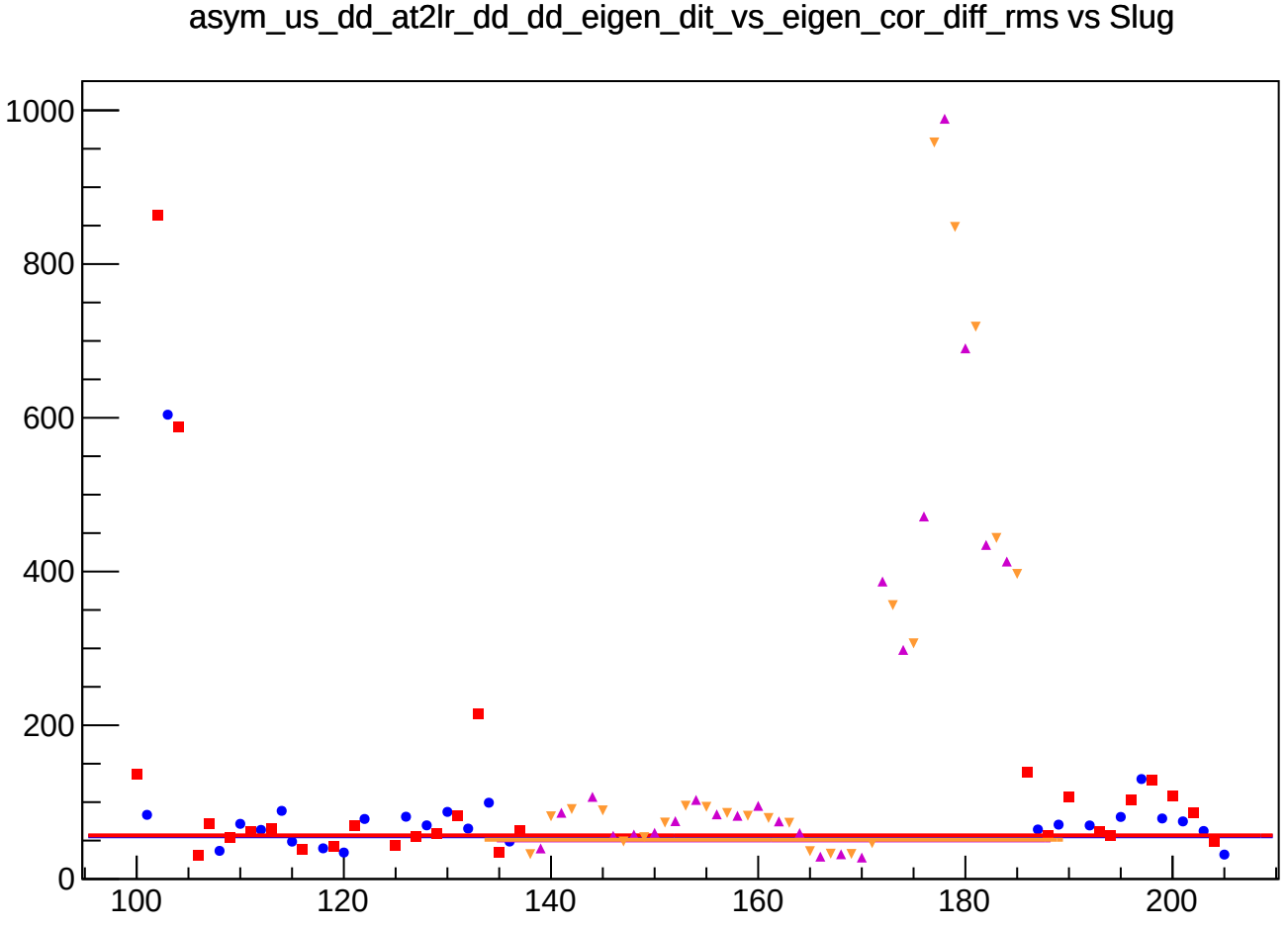
Right Out: -0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.003+/-0.008 χ^2/NDF: 98.2/99

- sign -0.006+/-0.011 χ^2/NDF: 41.2/50



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

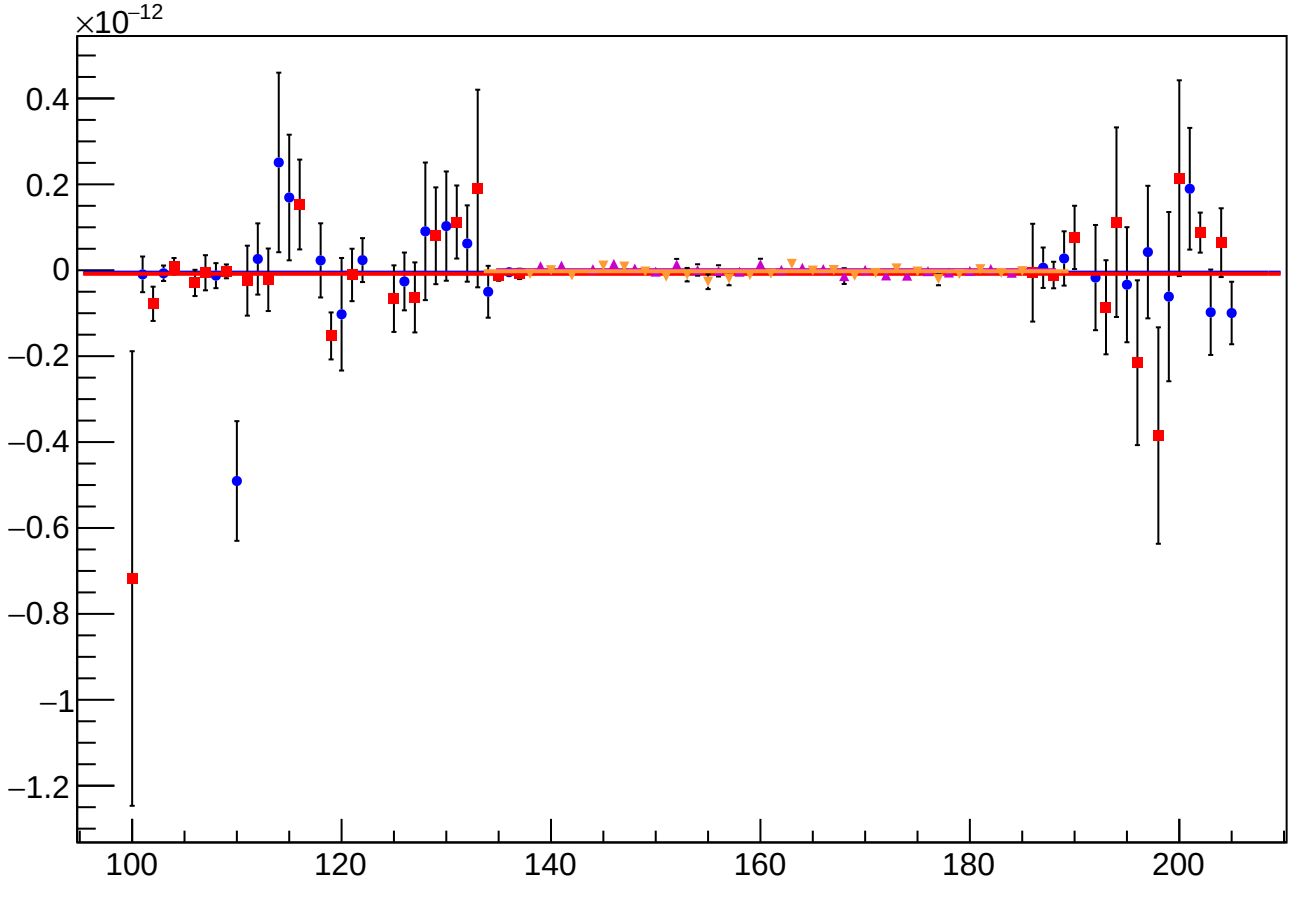
Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 53.117+/-0.008 χ^2/NDF: 15729087.8/48

All: 53.109+/-0.006 χ^2/NDF: 33068873.9/99

\- sign 53.101+/-0.008 χ^2/NDF: 17339784.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

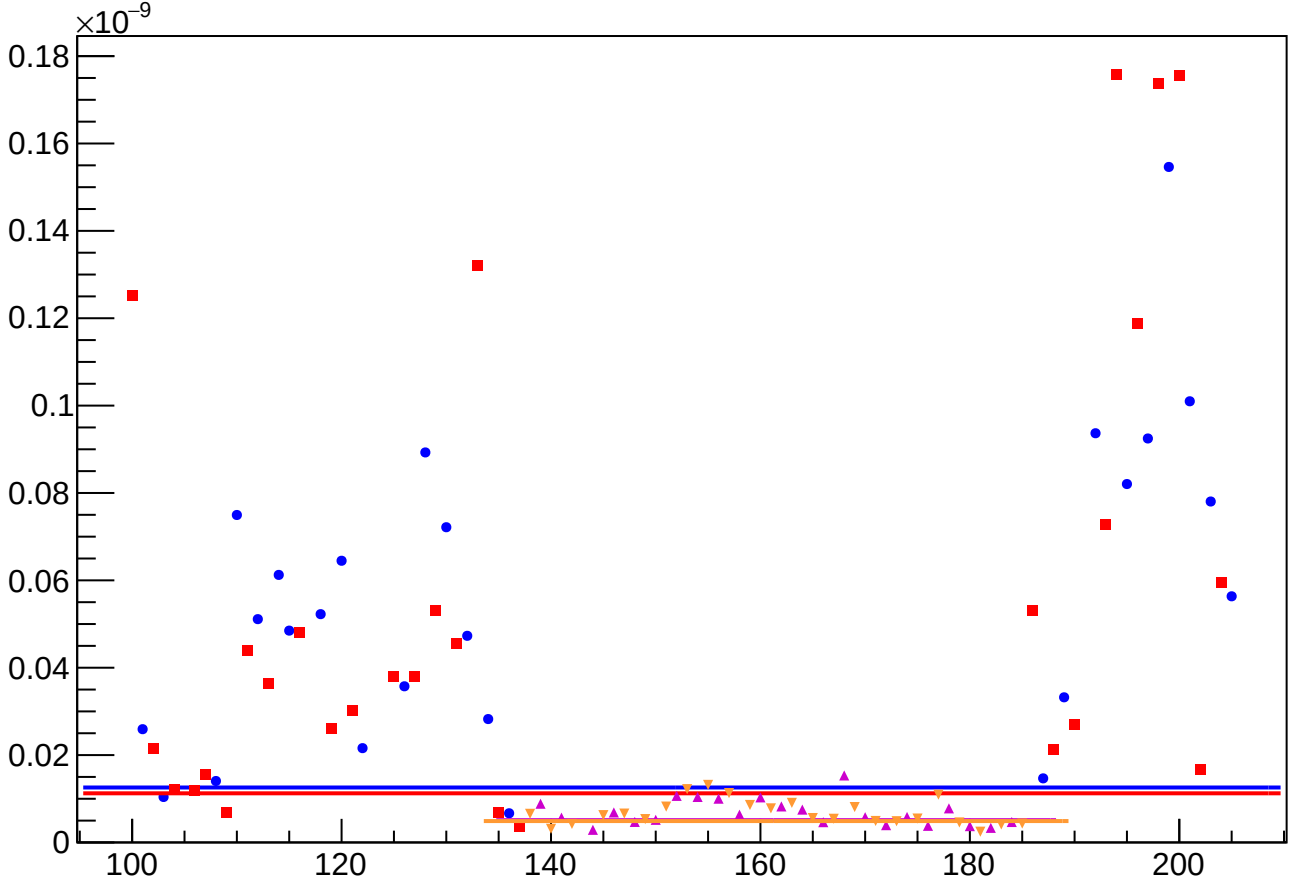
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/27

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/48

All: -0.000+/-0.000 χ^2/NDF: 98.8/99

- sign -0.000+/-0.000 χ^2/NDF: 51.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 10298251.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9754300.4/27

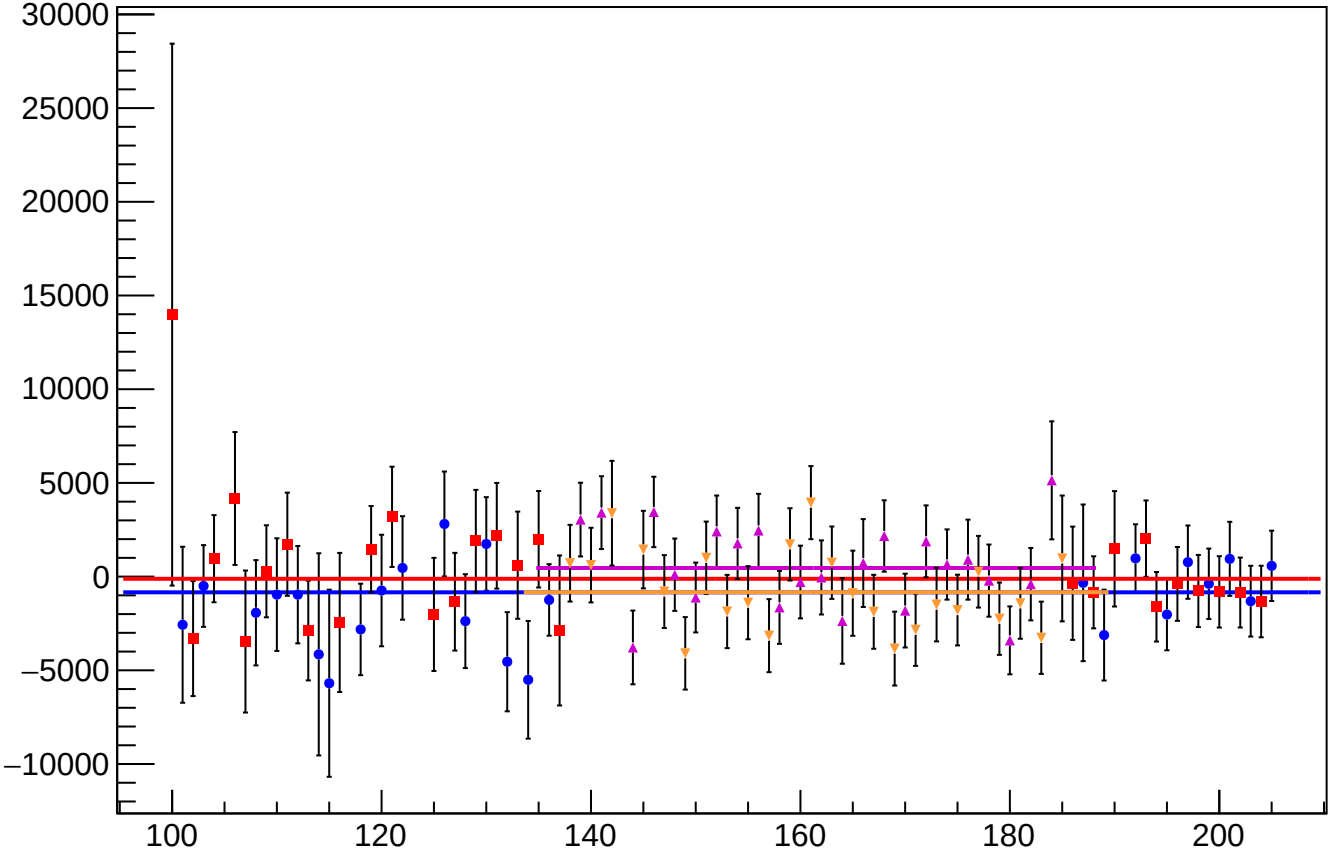
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17150276.5/48

All: 0.000+/-0.000 χ^2/NDF: 32550379.1/99

- sign 0.000+/-0.000 χ^2/NDF: 15382277.5/50

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -838.384+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -116.569+/-470.345 χ^2/NDF: 14.5/27

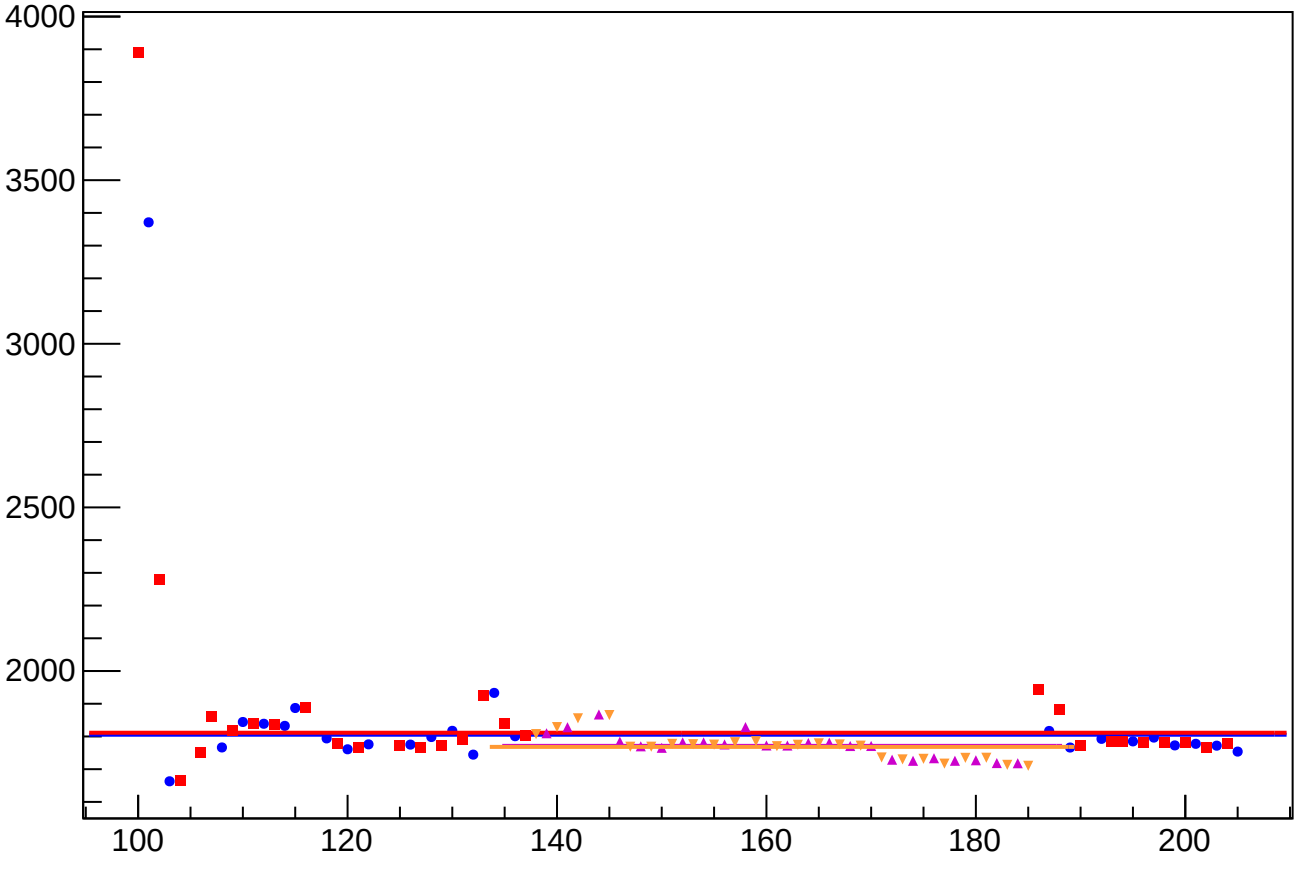
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -835.012+/-312.917 χ^2/NDF: 39.8/48

All: -309.486+/-220.446 χ^2/NDF: 88.0/99

- sign 208.322+/-310.610 χ^2/NDF: 42.6/50

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1805.336+/-0.342 χ^2/NDF: 302693.6/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

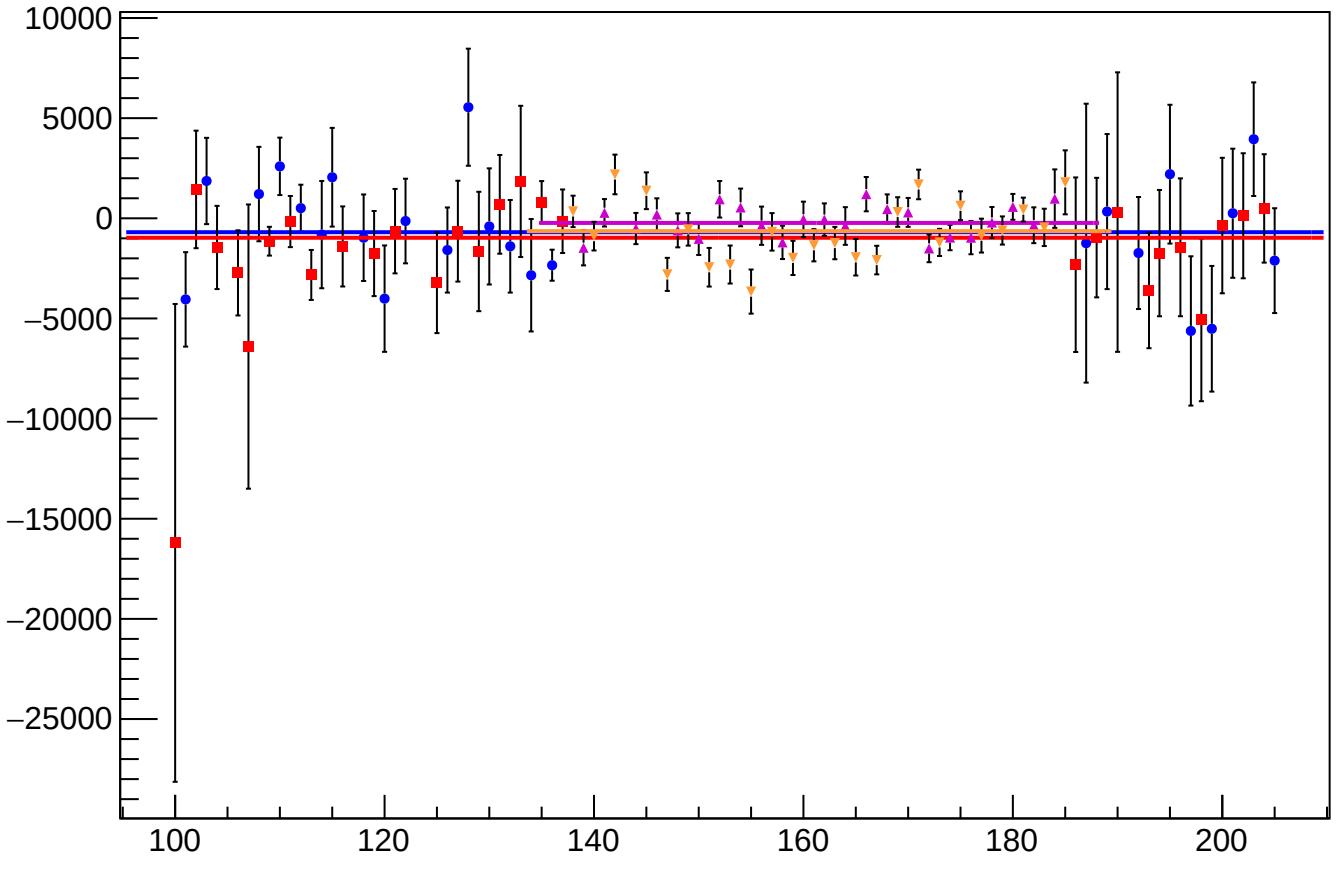
Right Out: 1811.376+/-0.333 χ^2/NDF: 114930.7/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1783.708+/-0.221 χ^2/NDF: 325935.5/48

All: 1786.238+/-0.156 χ^2/NDF: 465772.7/99

- sign 1788.731+/-0.220 χ^2/NDF: 139577.6/50



Right In: -694.425+/-409.817 χ^2/NDF: 31.3/24

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

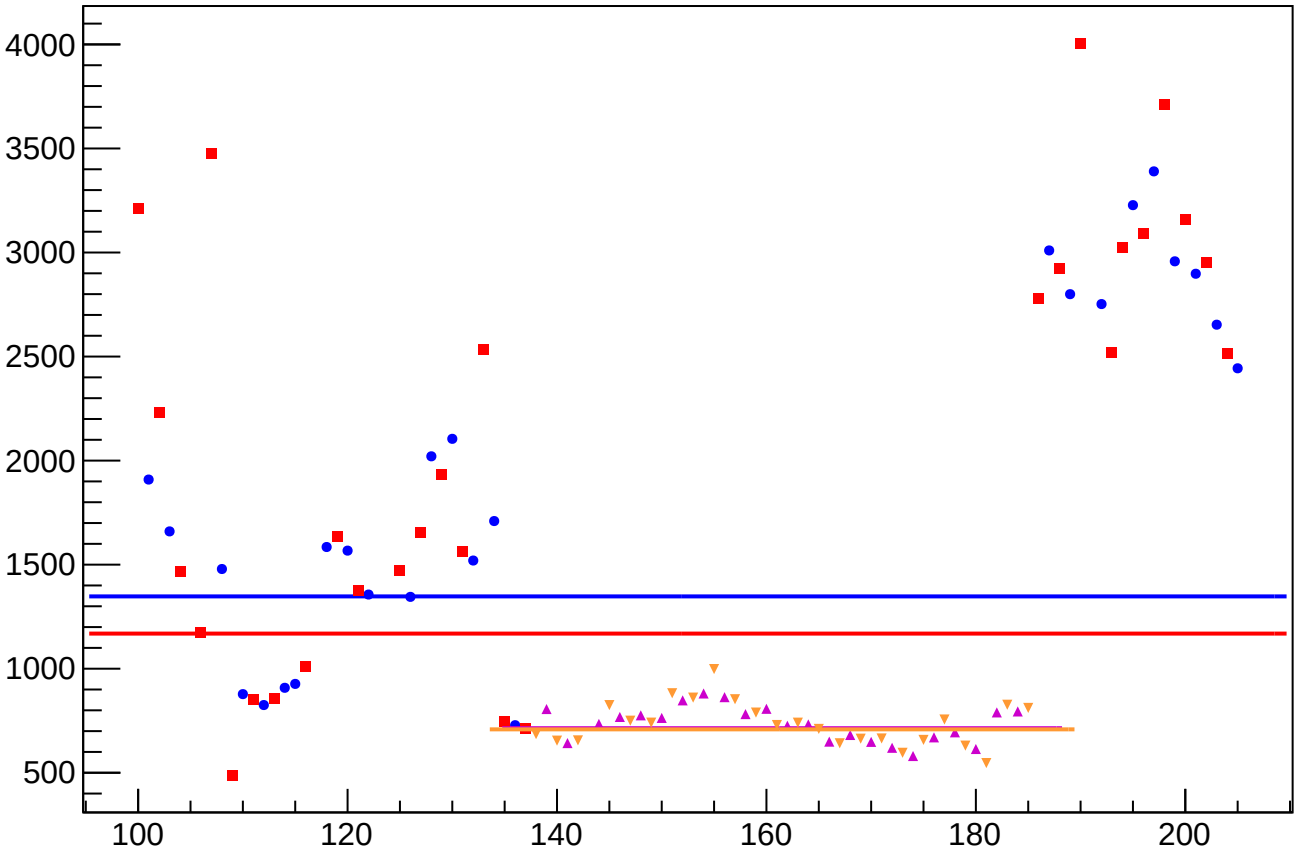
Right Out: -970.612+/-369.136 χ^2/NDF: 14.1/27

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -648.590+/-154.215 χ^2/NDF: 98.0/48

All: -502.299+/-108.668 χ^2/NDF: 137.1/99

- sign -358.022+/-153.149 χ^2/NDF: 37.3/50



Right In: 1347.466+/-0.290 χ^2/NDF: 6342798.7/24

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1168.716+/-0.261 χ^2/NDF: 9467265.8/27

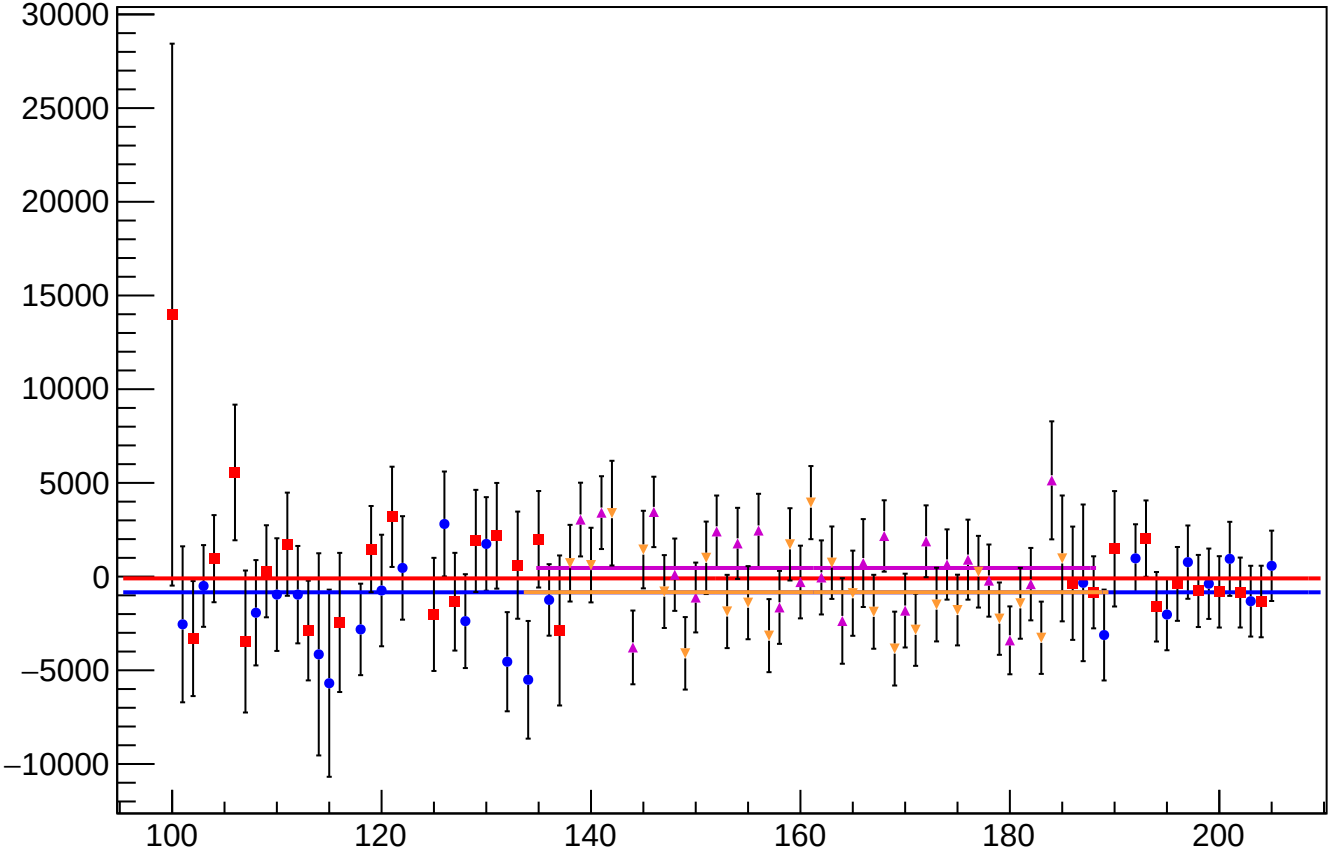
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 798.982+/-0.109 χ^2/NDF: 11216675.7/48

All: 795.670+/-0.077 χ^2/NDF: 23693694.2/99

- sign 792.404+/-0.108 χ^2/NDF: 12475186.8/50

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -96.238+/-470.514 χ^2/NDF: 15.5/27

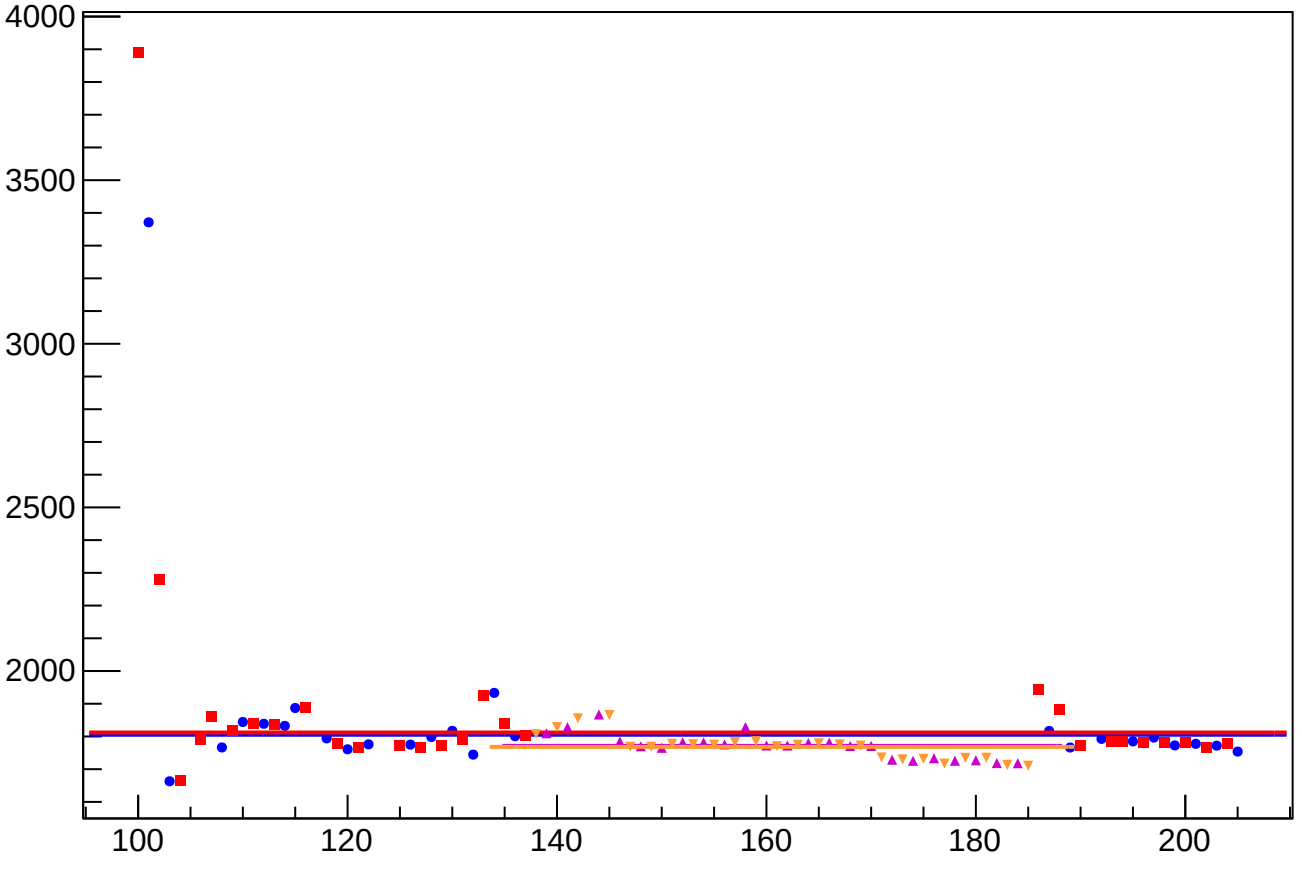
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -834.831+/-312.917 χ^2/NDF: 39.8/48

All: -304.975+/-220.463 χ^2/NDF: 89.0/99

- sign 217.264+/-310.659 χ^2/NDF: 43.5/50

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

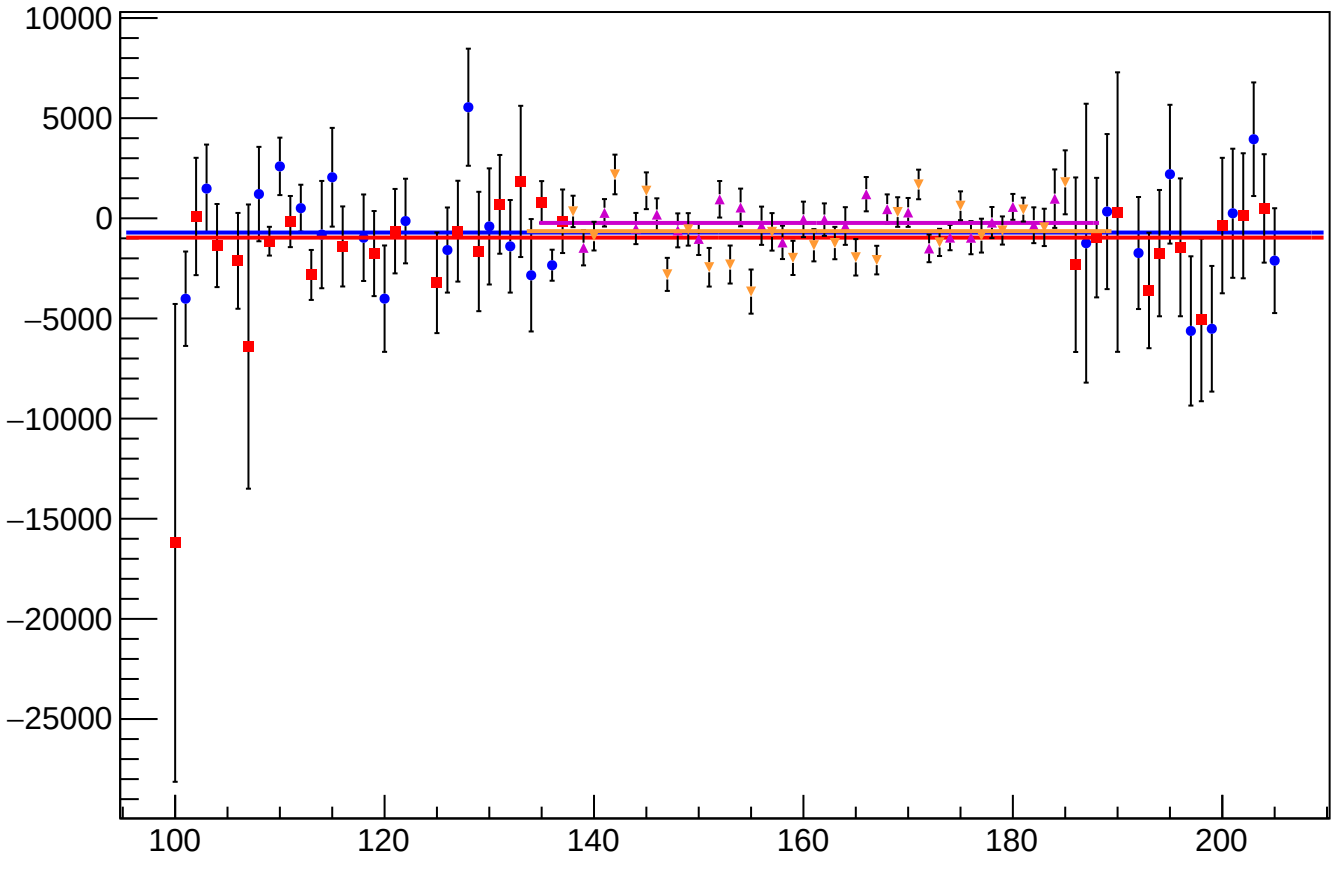
Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1783.708+/-0.221 χ^2/NDF: 325937.4/48

All: 1786.396+/-0.156 χ^2/NDF: 465575.7/99

- sign 1789.044+/-0.220 χ^2/NDF: 139345.5/50



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

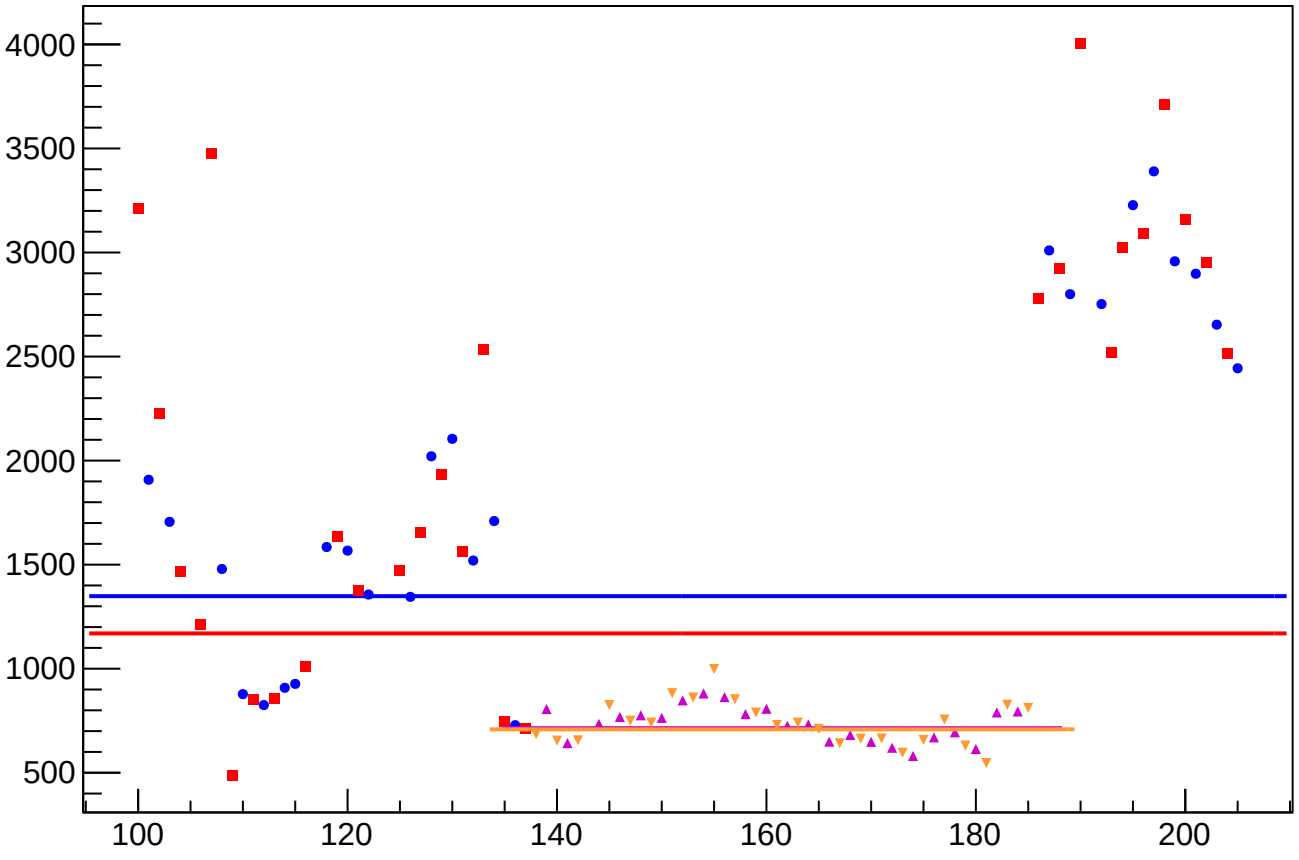
Right Out: -963.188+/-370.286 χ^2/NDF: 13.1/27

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -650.830+/-154.231 χ^2/NDF: 97.6/48

All: -502.472+/-108.703 χ^2/NDF: 135.6/99

- sign -356.031+/-153.232 χ^2/NDF: 36.2/50



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

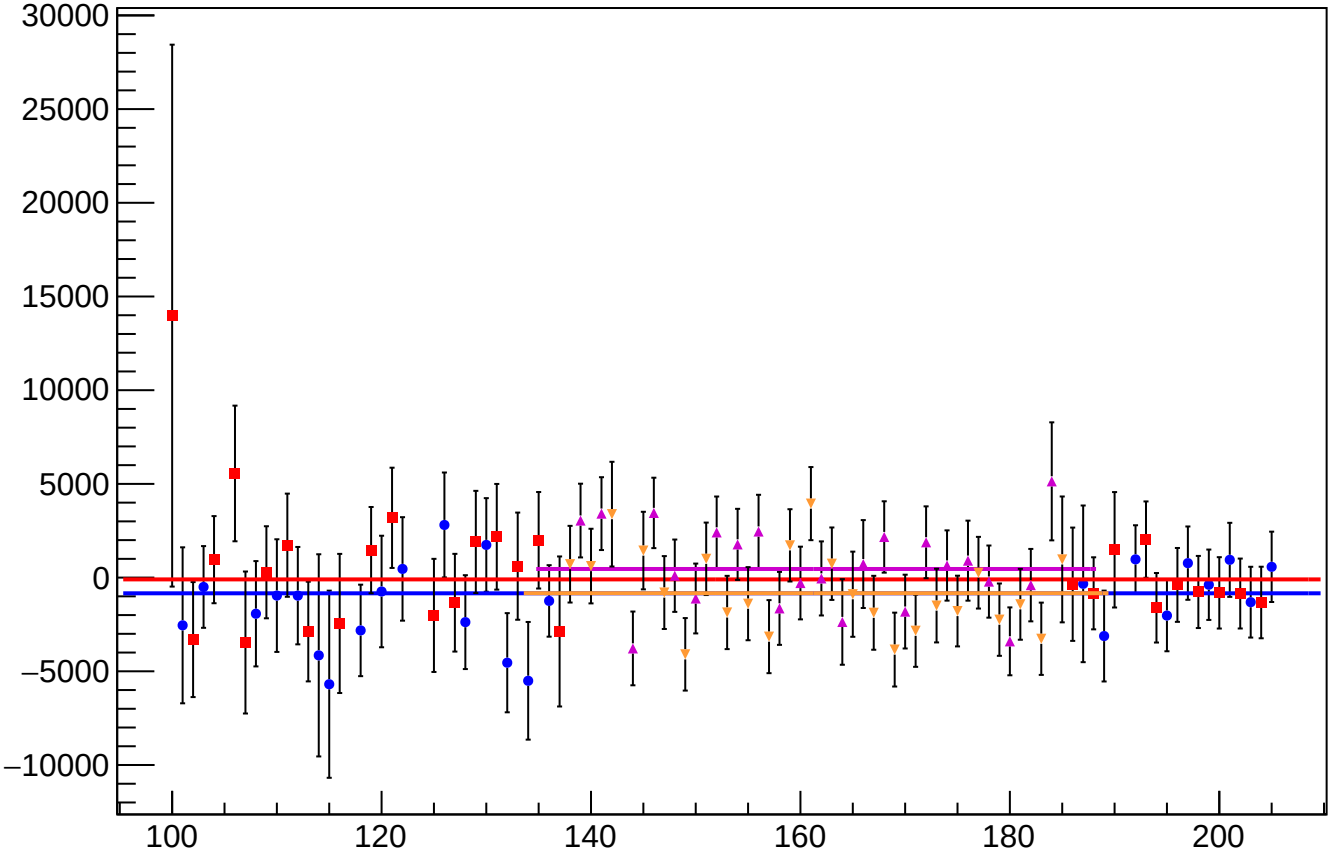
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 799.037+/-0.109 χ^2/NDF: 11237011.2/48

All: 795.574+/-0.077 χ^2/NDF: 23710154.5/99

\- sign 792.154+/-0.108 χ^2/NDF: 12471138.7/50

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -96.238+/-470.514 χ^2/NDF: 15.5/27

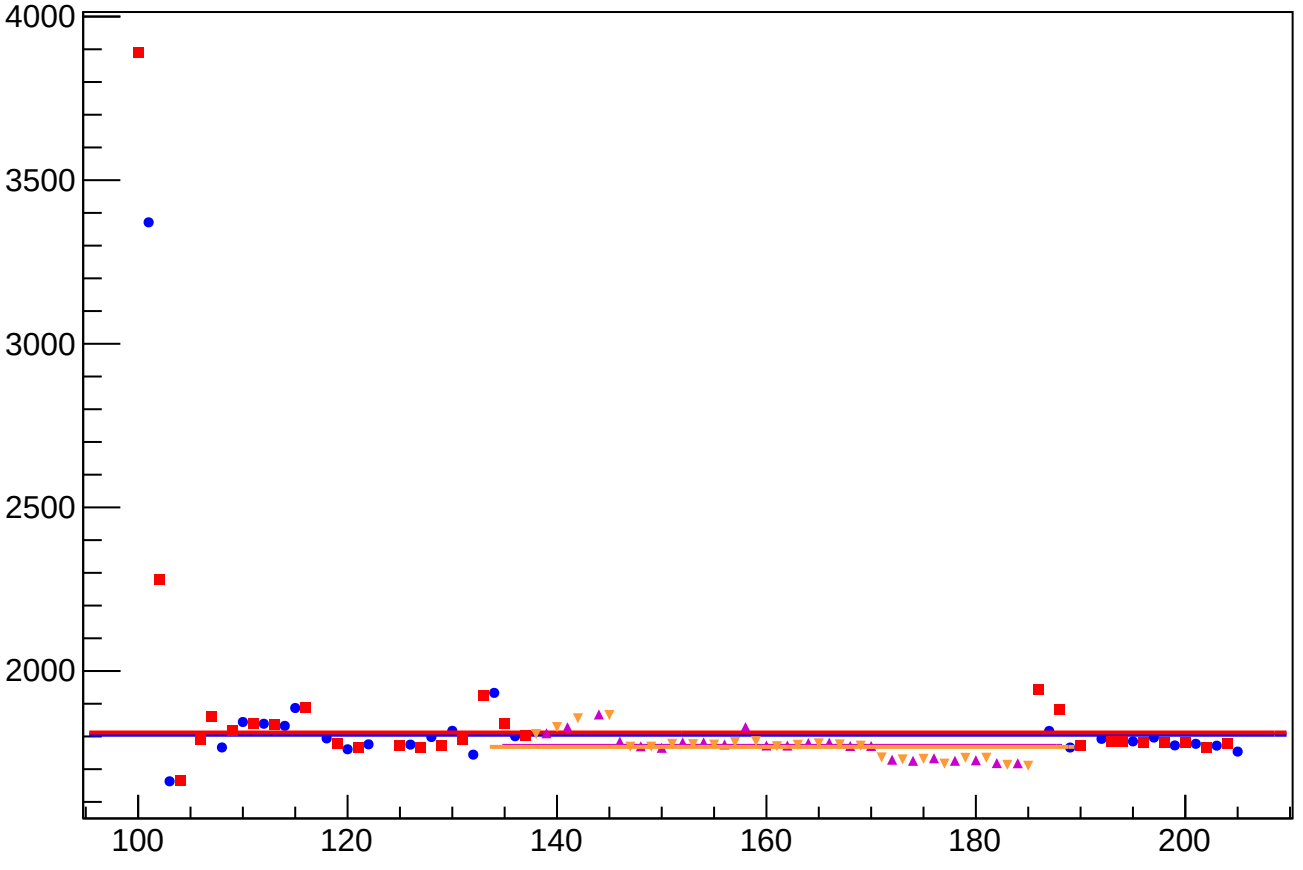
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -834.831+/-312.917 χ^2/NDF: 39.8/48

All: -304.975+/-220.463 χ^2/NDF: 89.0/99

- sign 217.264+/-310.659 χ^2/NDF: 43.5/50

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

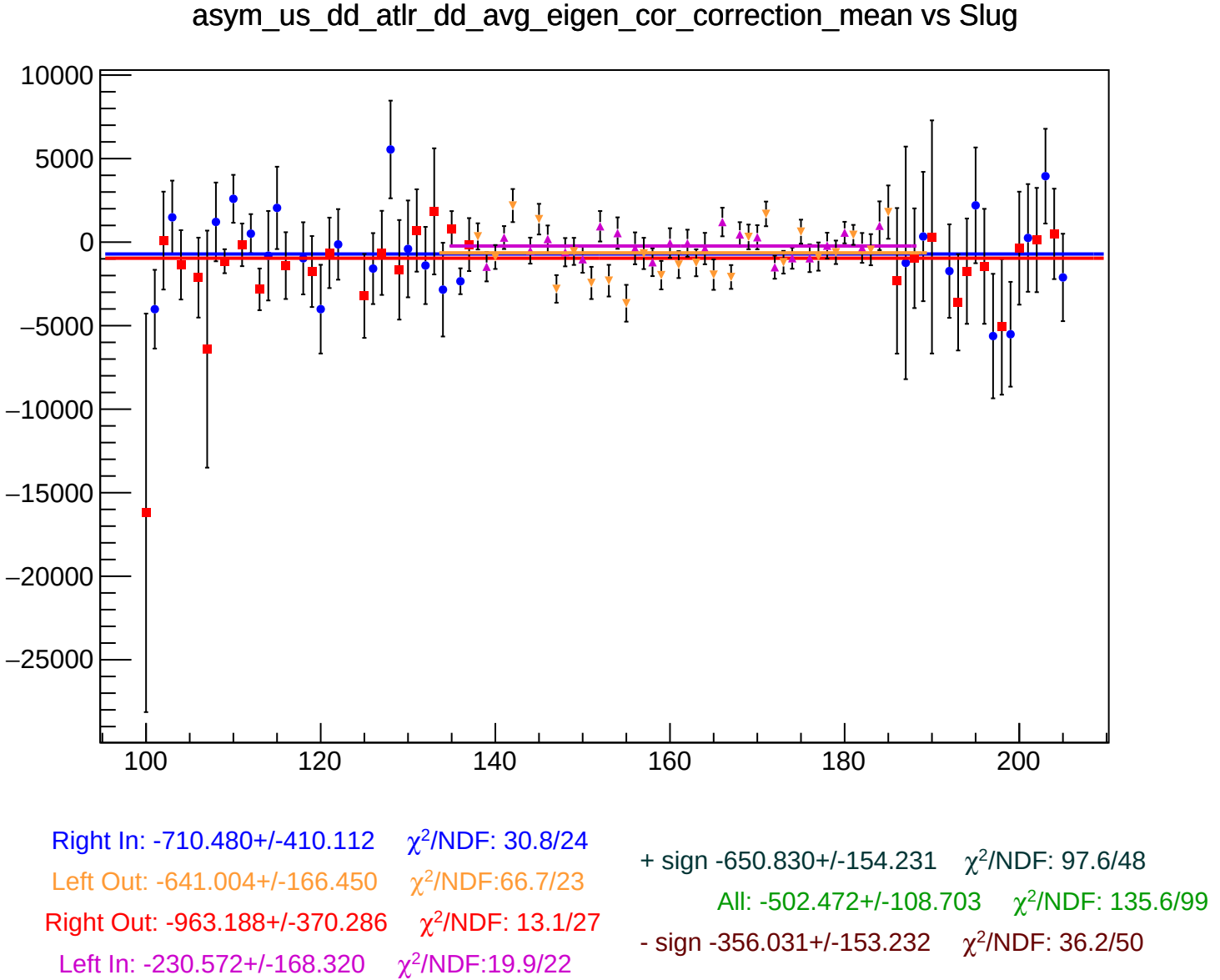
Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

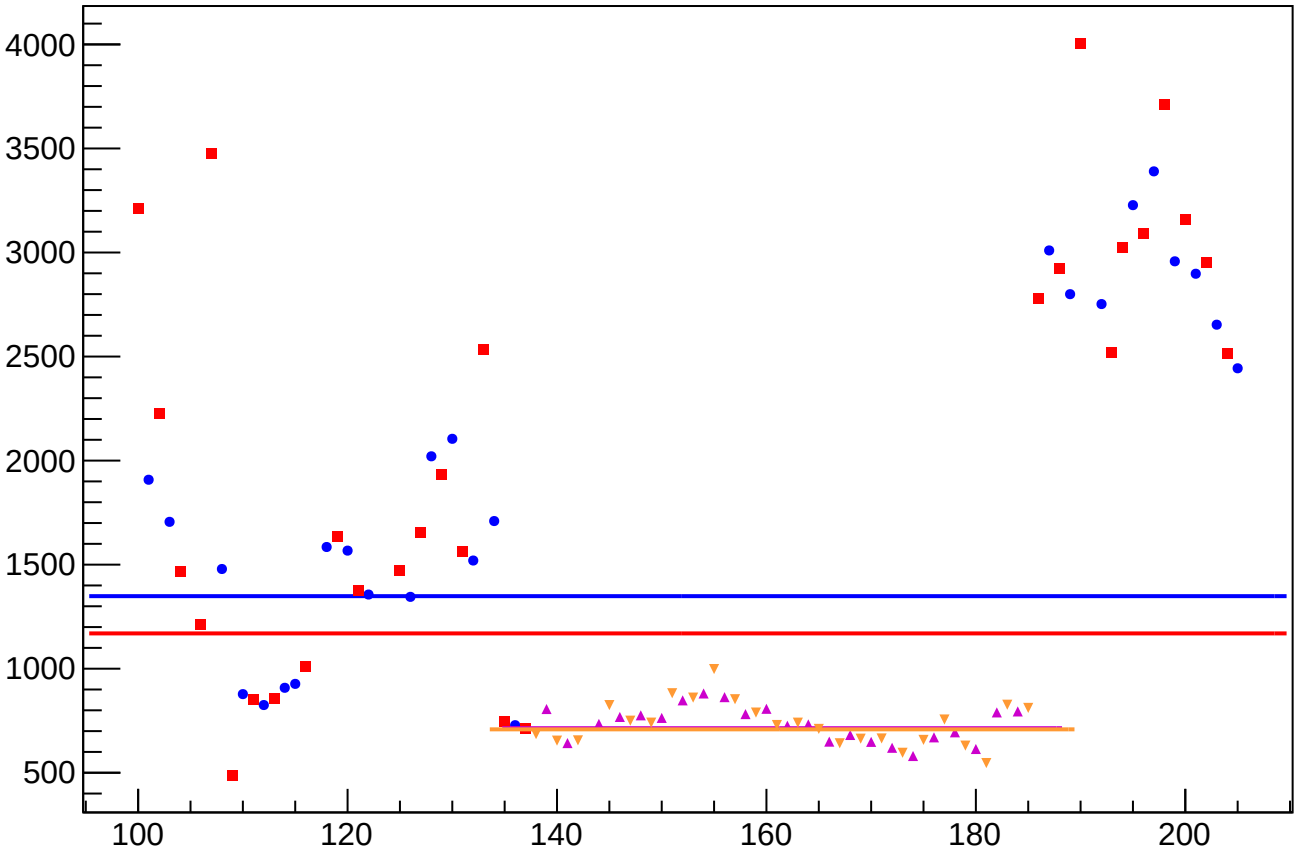
Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1783.708+/-0.221 χ^2/NDF: 325937.4/48

All: 1786.396+/-0.156 χ^2/NDF: 465575.7/99

- sign 1789.044+/-0.220 χ^2/NDF: 139345.5/50


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -710.480+/-410.112 χ²/NDF: 30.8/24
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: -963.188+/-370.286 χ²/NDF: 13.1/27
Left In: -230.572+/-168.320 χ²/NDF:19.9/22
+ sign -650.830+/-154.231 χ²/NDF: 97.6/48
All: -502.472+/-108.703 χ²/NDF: 135.6/99
- sign -356.031+/-153.232 χ²/NDF: 36.2/50



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

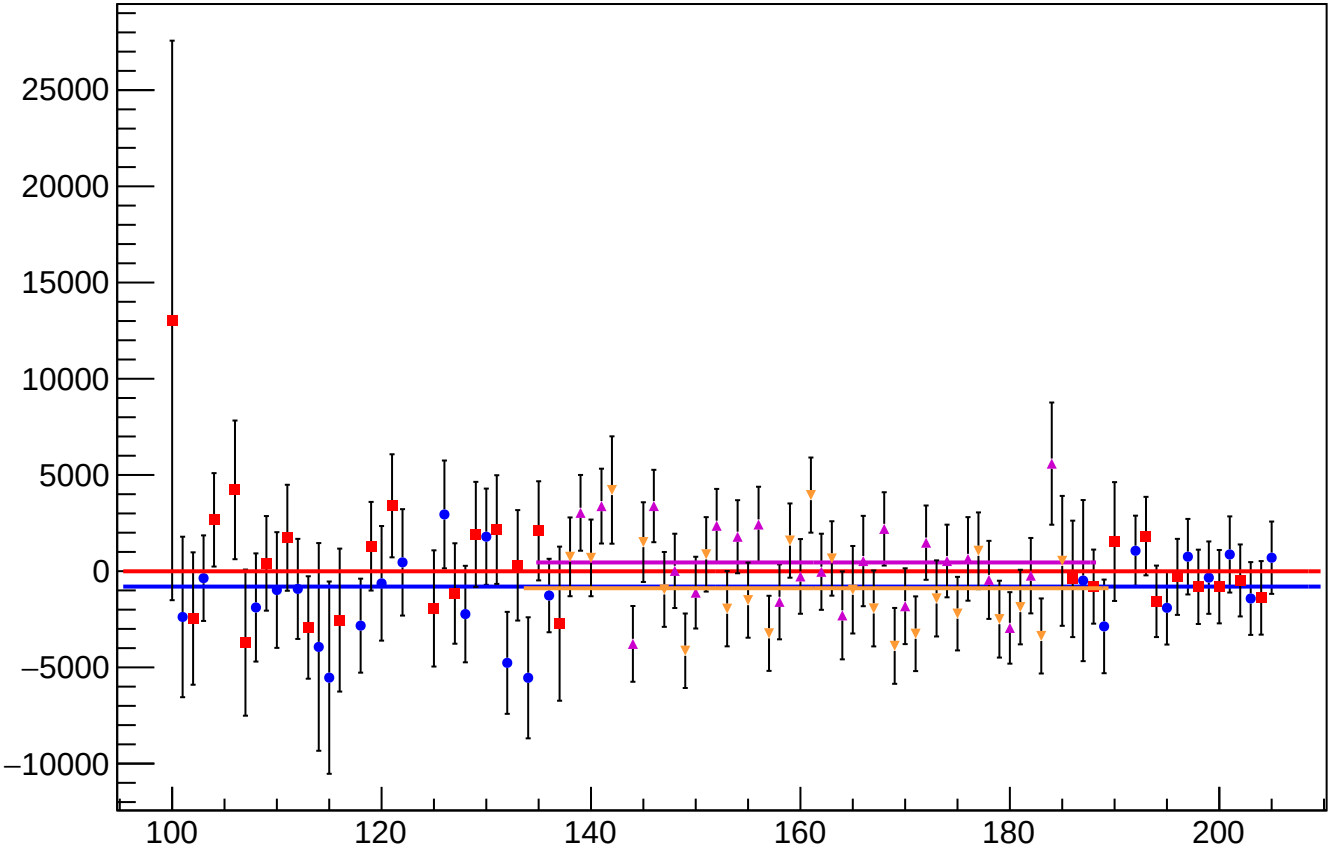
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

\+ sign 799.037+/-0.109 χ^2/NDF: 11237011.2/48

All: 795.574+/-0.077 χ^2/NDF: 23710154.5/99

\- sign 792.154+/-0.108 χ^2/NDF: 12471138.7/50

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -800.991+/-484.770 χ^2/NDF: 14.5/24

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -6.503+/-473.117 χ^2/NDF: 14.6/27

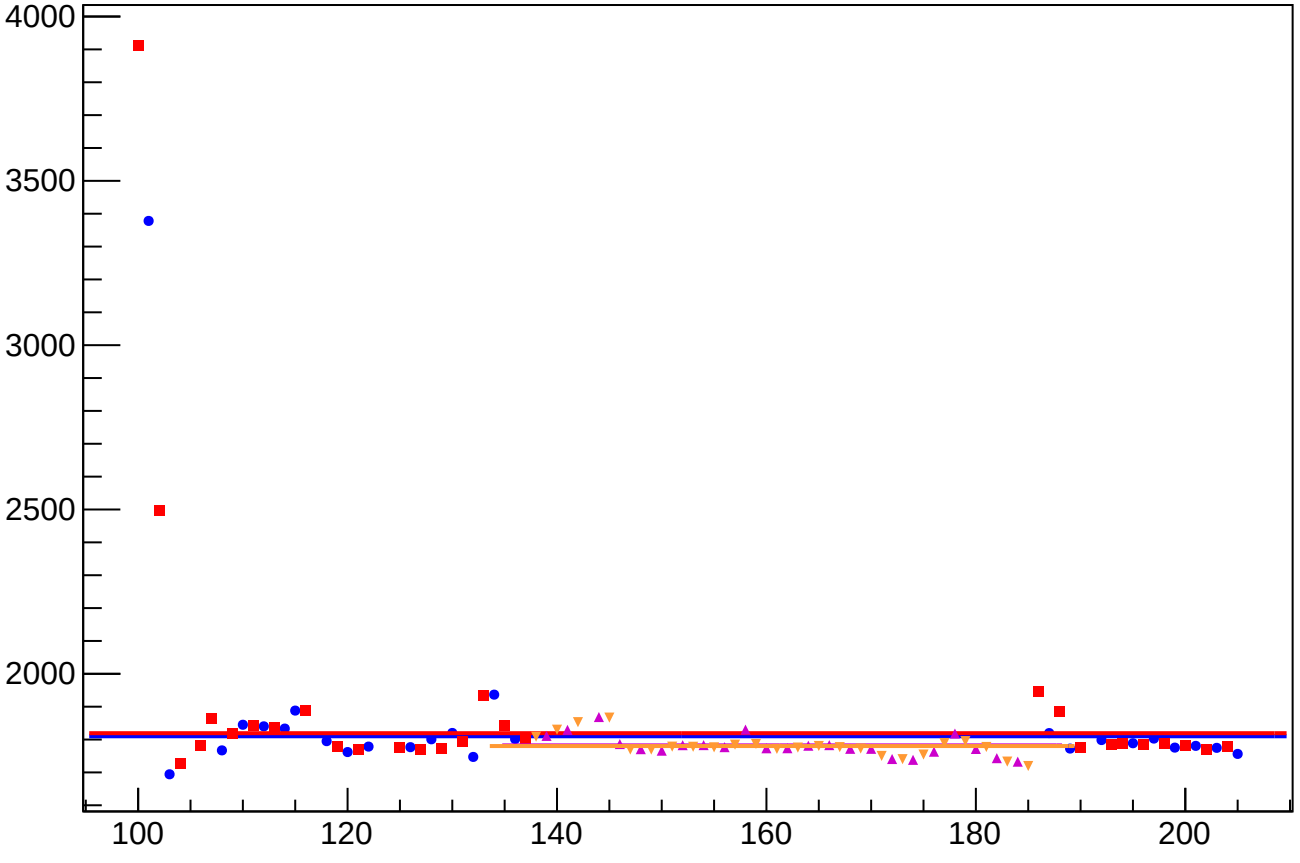
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -850.430+/-314.478 χ^2/NDF: 42.6/48

All: -295.388+/-221.665 χ^2/NDF: 89.8/99

- sign 252.671+/-312.494 χ^2/NDF: 41.0/50

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

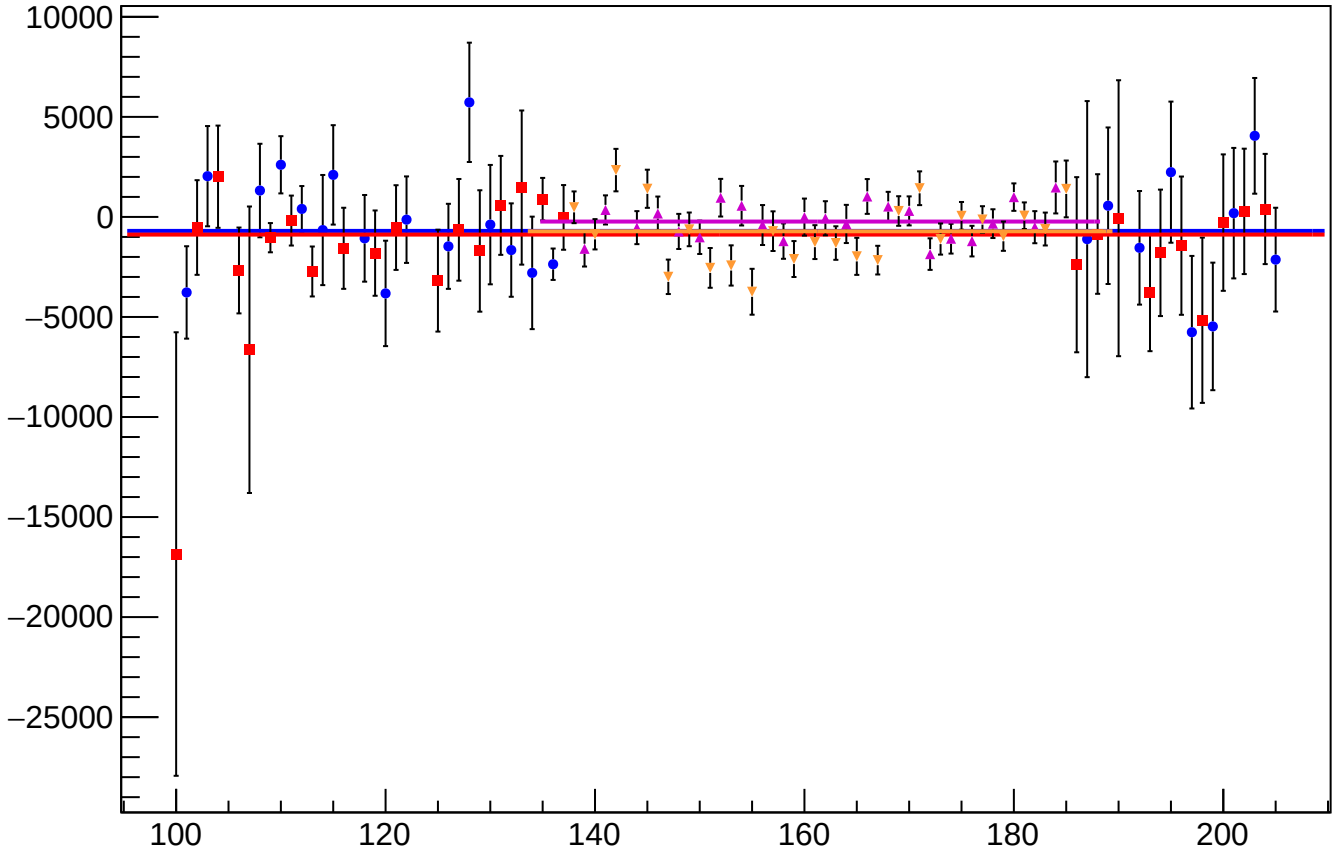
Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.6/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.736+/-0.222 χ^2/NDF: 314319.4/48

All: 1795.619+/-0.157 χ^2/NDF: 474119.7/99

- sign 1798.465+/-0.221 χ^2/NDF: 159466.3/50



Right In: -698.354+/-413.458 χ^2/NDF: 30.7/24

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

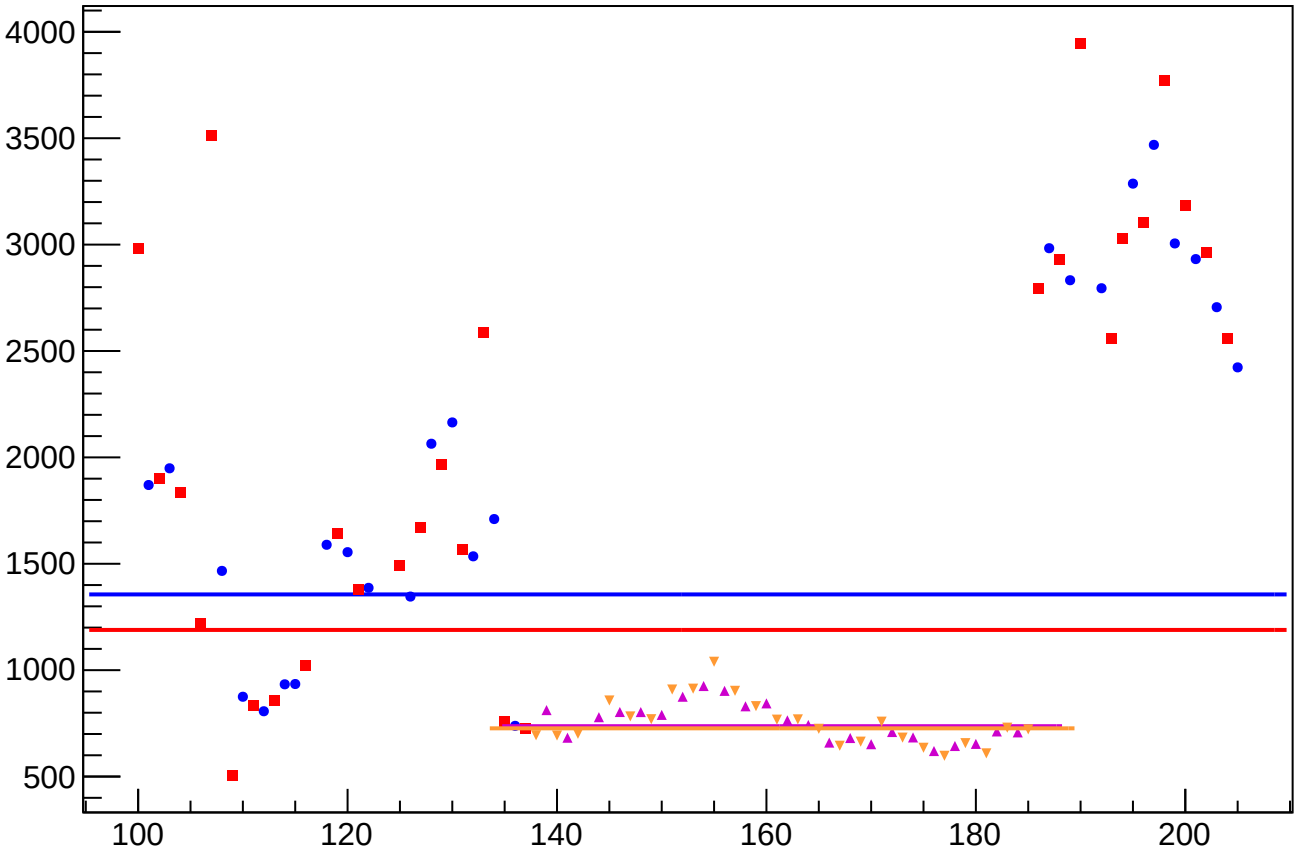
Right Out: -882.750+/-372.600 χ^2/NDF: 15.0/27

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -713.945+/-157.705 χ^2/NDF: 90.1/48

All: -530.091+/-111.348 χ^2/NDF: 134.4/99

- sign -347.328+/-157.236 χ^2/NDF: 41.6/50



Right In: 1355.986+/-0.292 χ^2/NDF: 6485799.7/24

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

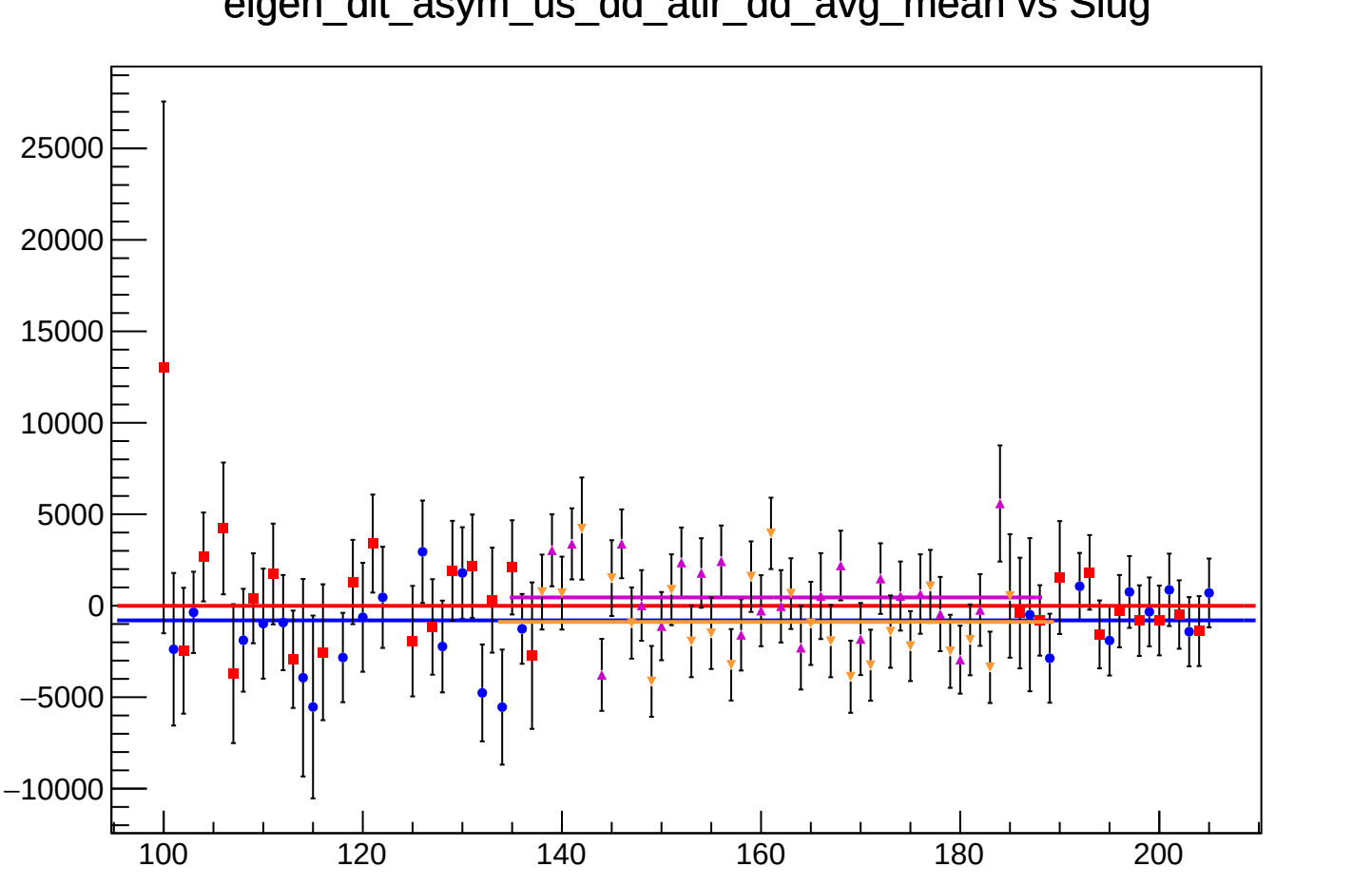
Right Out: 1189.056+/-0.263 χ^2/NDF: 9384780.8/27

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 818.172+/-0.112 χ^2/NDF: 11130749.9/48

All: 817.716+/-0.079 χ^2/NDF: 23403393.1/99

- sign 817.264+/-0.111 χ^2/NDF: 12272610.1/50



Right In: -800.992+/-484.770 χ^2/NDF: 14.5/24

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -6.504+/-473.117 χ^2/NDF: 14.6/27

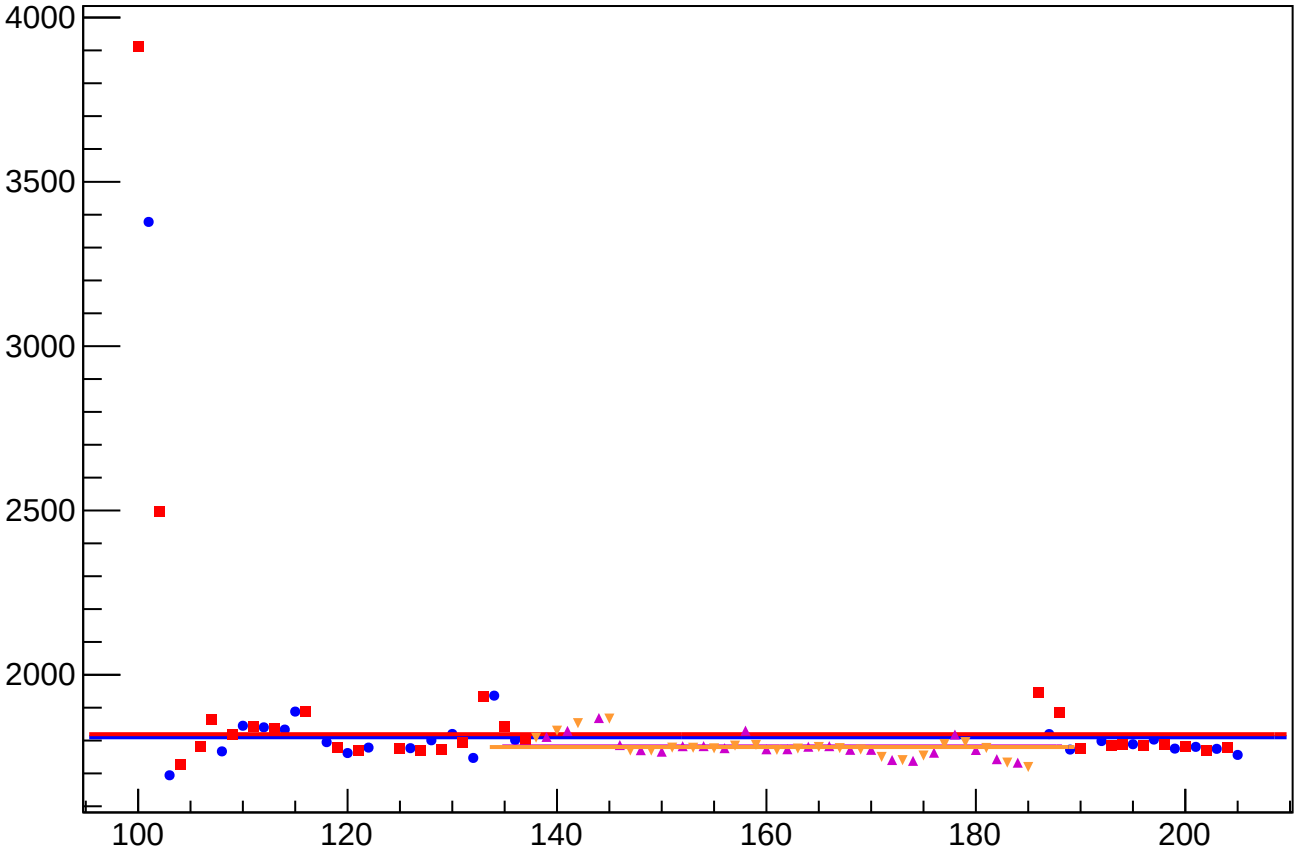
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -850.430+/-314.478 χ^2/NDF: 42.6/48

All: -295.389+/-221.665 χ^2/NDF: 89.8/99

- sign 252.670+/-312.494 χ^2/NDF: 41.0/50

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

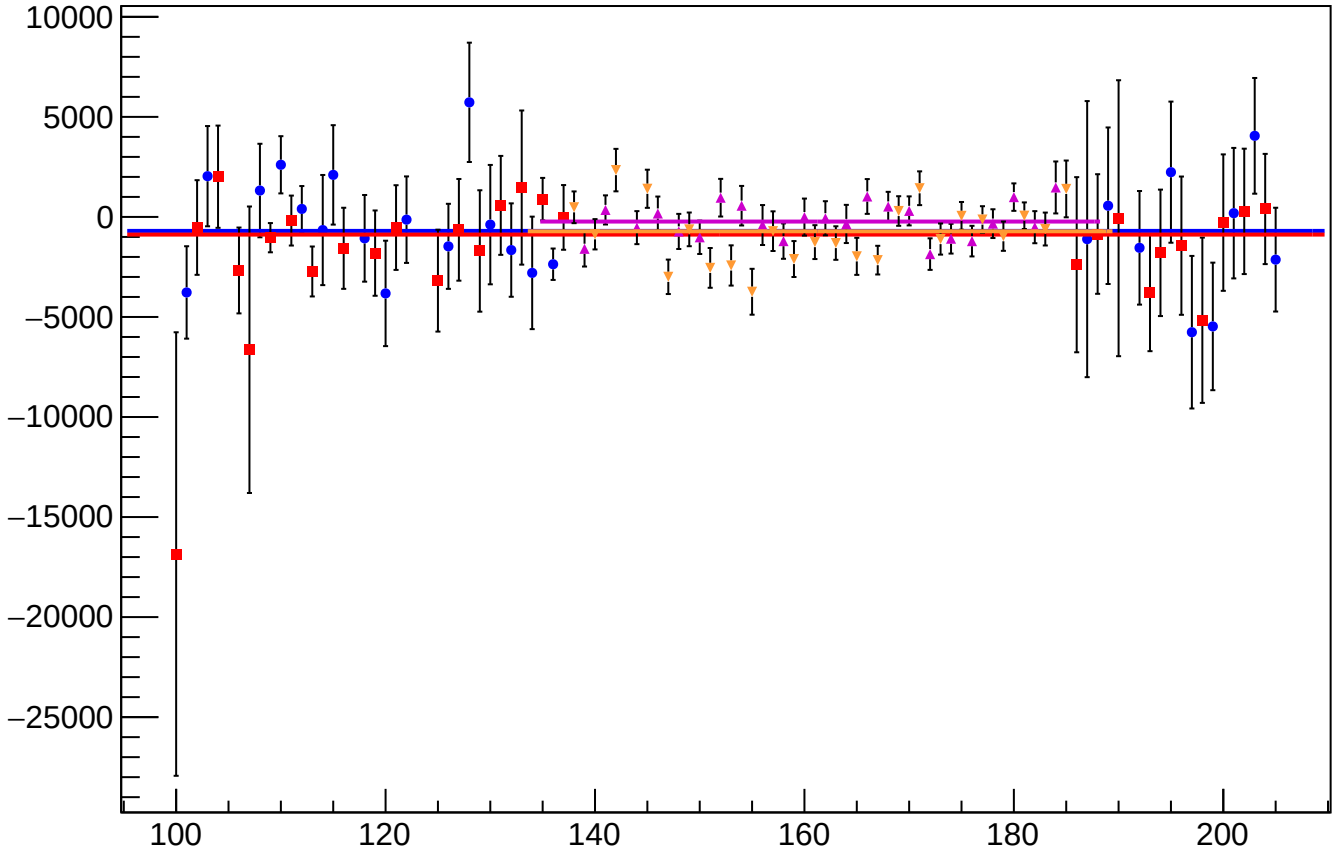
Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.7/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.736+/-0.222 χ^2/NDF: 314319.5/48

All: 1795.619+/-0.157 χ^2/NDF: 474119.9/99

- sign 1798.465+/-0.221 χ^2/NDF: 159466.4/50



Right In: -698.343+/-413.459 χ^2/NDF: 30.7/24

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

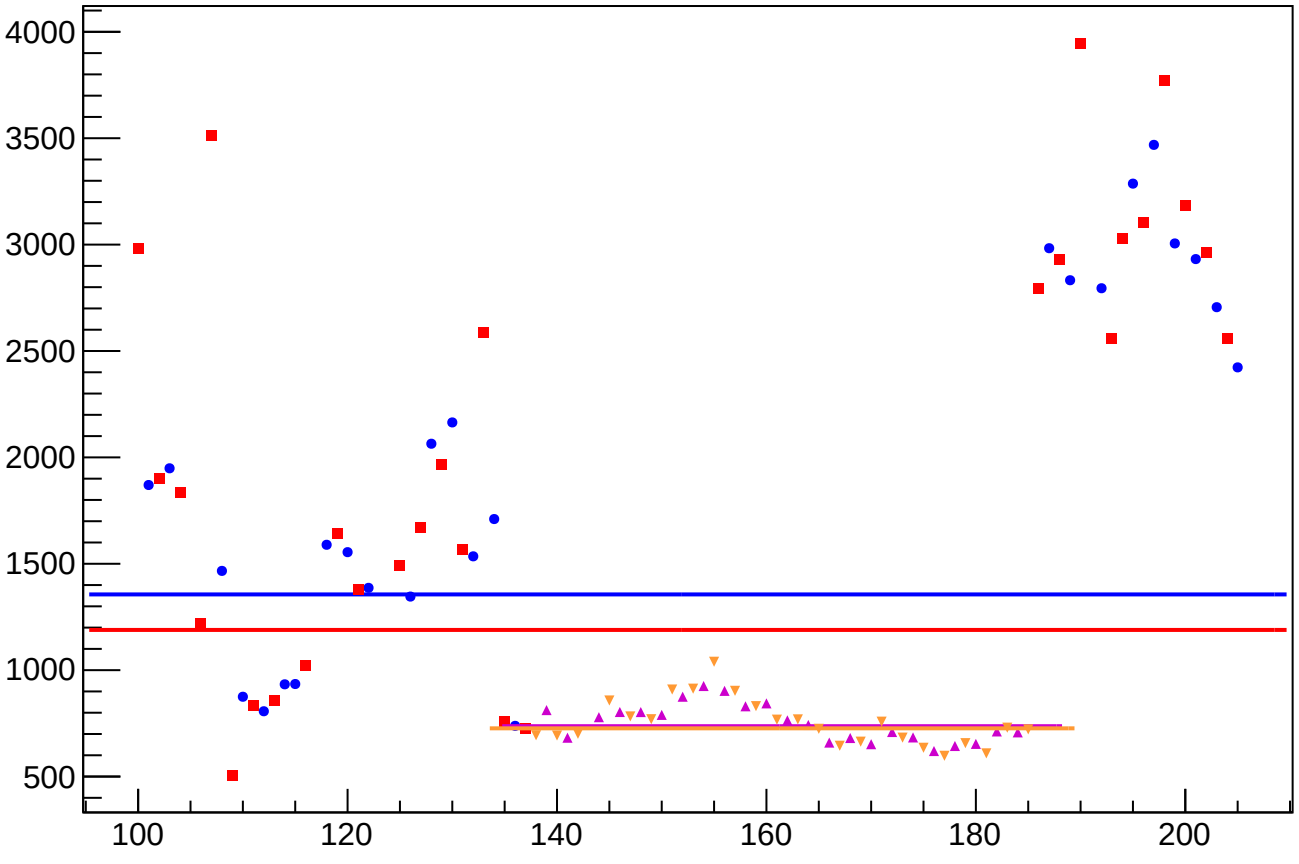
Right Out: -882.756+/-372.600 χ^2/NDF: 15.0/27

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -713.944+/-157.705 χ^2/NDF: 90.1/48

All: -530.090+/-111.348 χ^2/NDF: 134.4/99

- sign -347.327+/-157.236 χ^2/NDF: 41.6/50



Right In: 1355.989+/-0.292 χ^2/NDF: 6485751.3/24

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1189.058+/-0.263 χ^2/NDF: 9384743.7/27

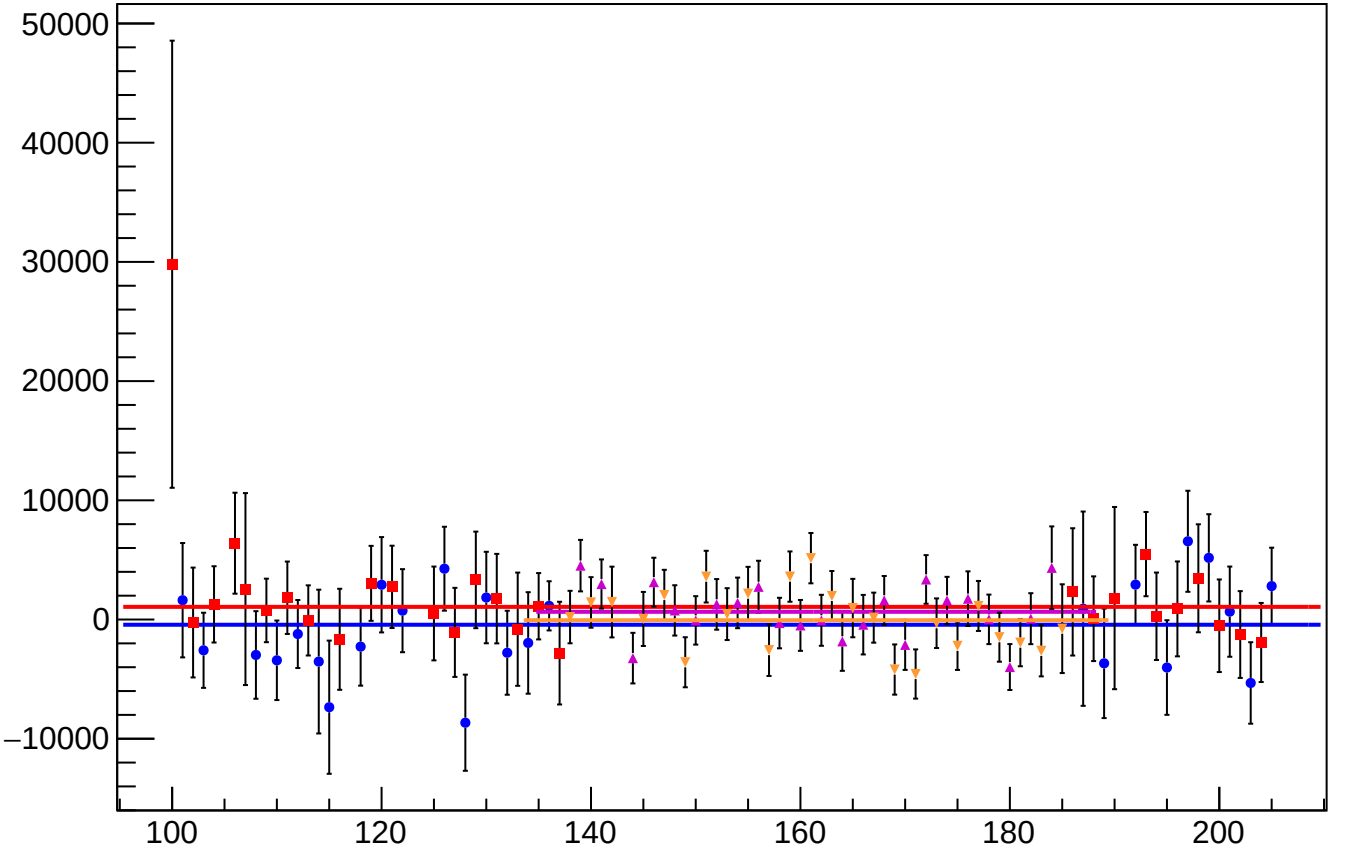
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 818.172+/-0.112 χ^2/NDF: 11130723.7/48

All: 817.717+/-0.079 χ^2/NDF: 23403371.1/99

- sign 817.264+/-0.111 χ^2/NDF: 12272614.1/50

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -437.974+/-724.085 χ^2/NDF: 23.0/24

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

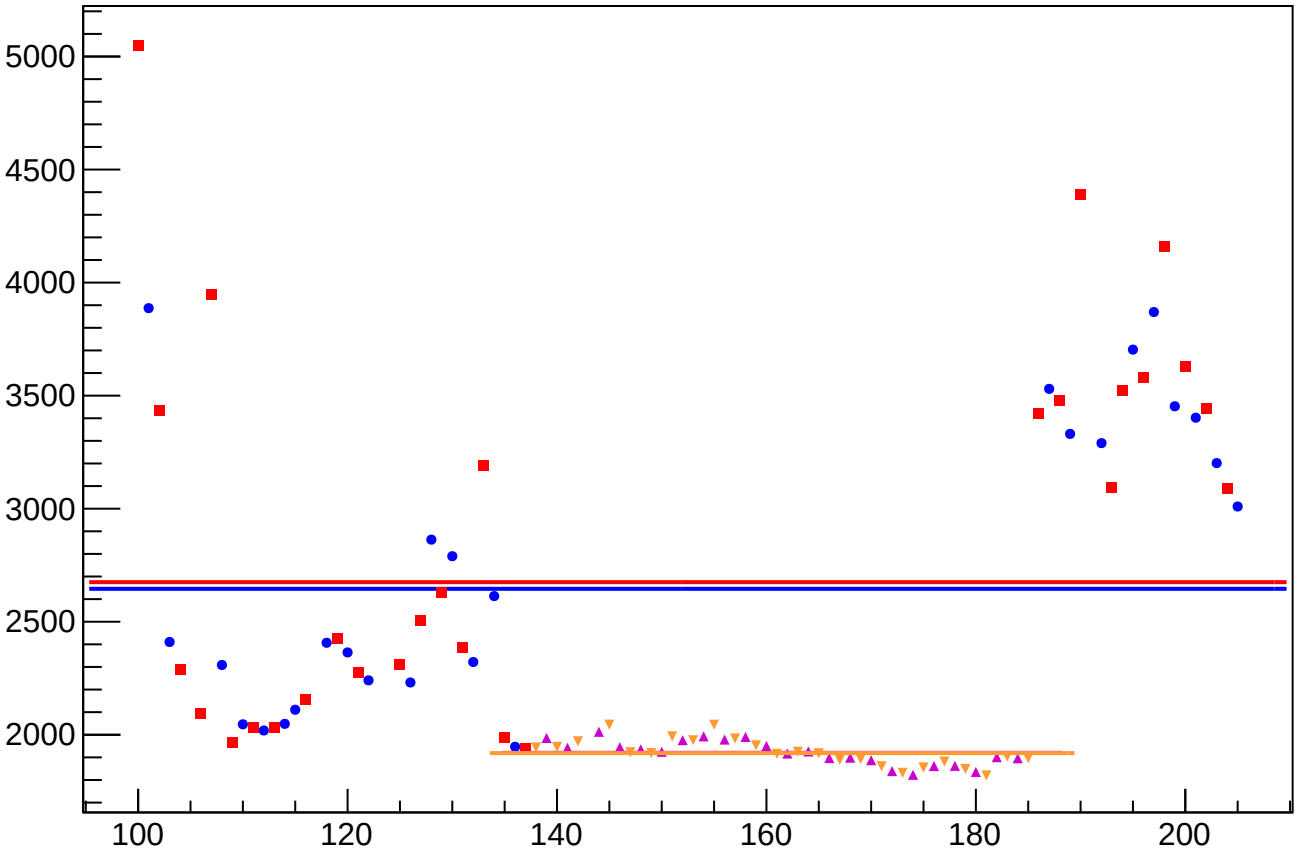
Right Out: 1062.021+/-716.098 χ^2/NDF: 10.4/27

Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -163.527+/-379.498 χ^2/NDF: 56.1/48

All: 299.409+/-268.567 χ^2/NDF: 93.4/99

- sign 763.880+/-380.126 χ^2/NDF: 34.3/50



Right In: 2645.653+/-0.512 χ^2/NDF: 1398551.4/24

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

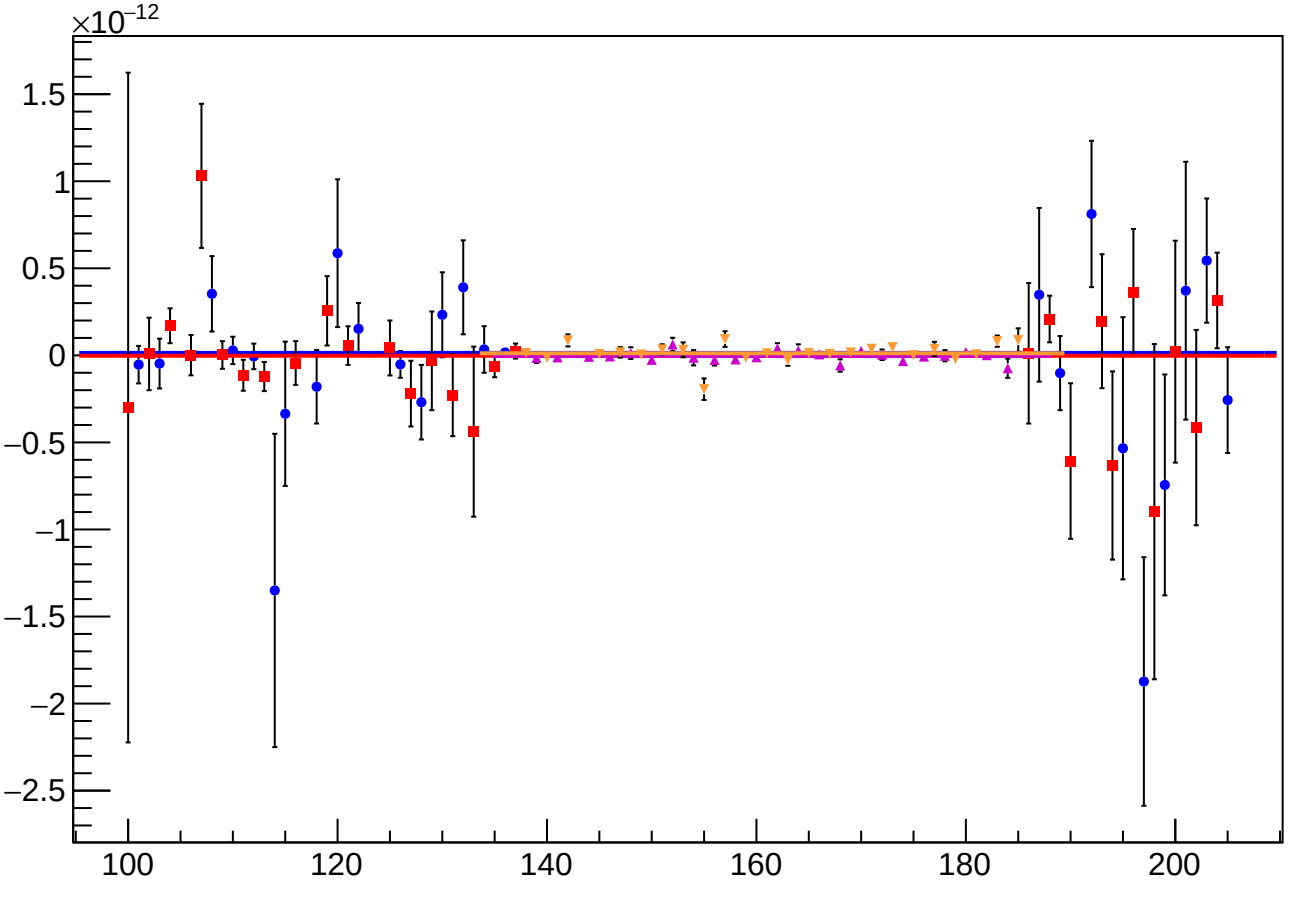
Right Out: 2675.001+/-0.506 χ^2/NDF: 1773617.0/27

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2118.585+/-0.268 χ^2/NDF: 2895159.6/48

All: 2125.731+/-0.190 χ^2/NDF: 6295967.7/99

- sign 2132.901+/-0.269 χ^2/NDF: 3399387.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 31.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

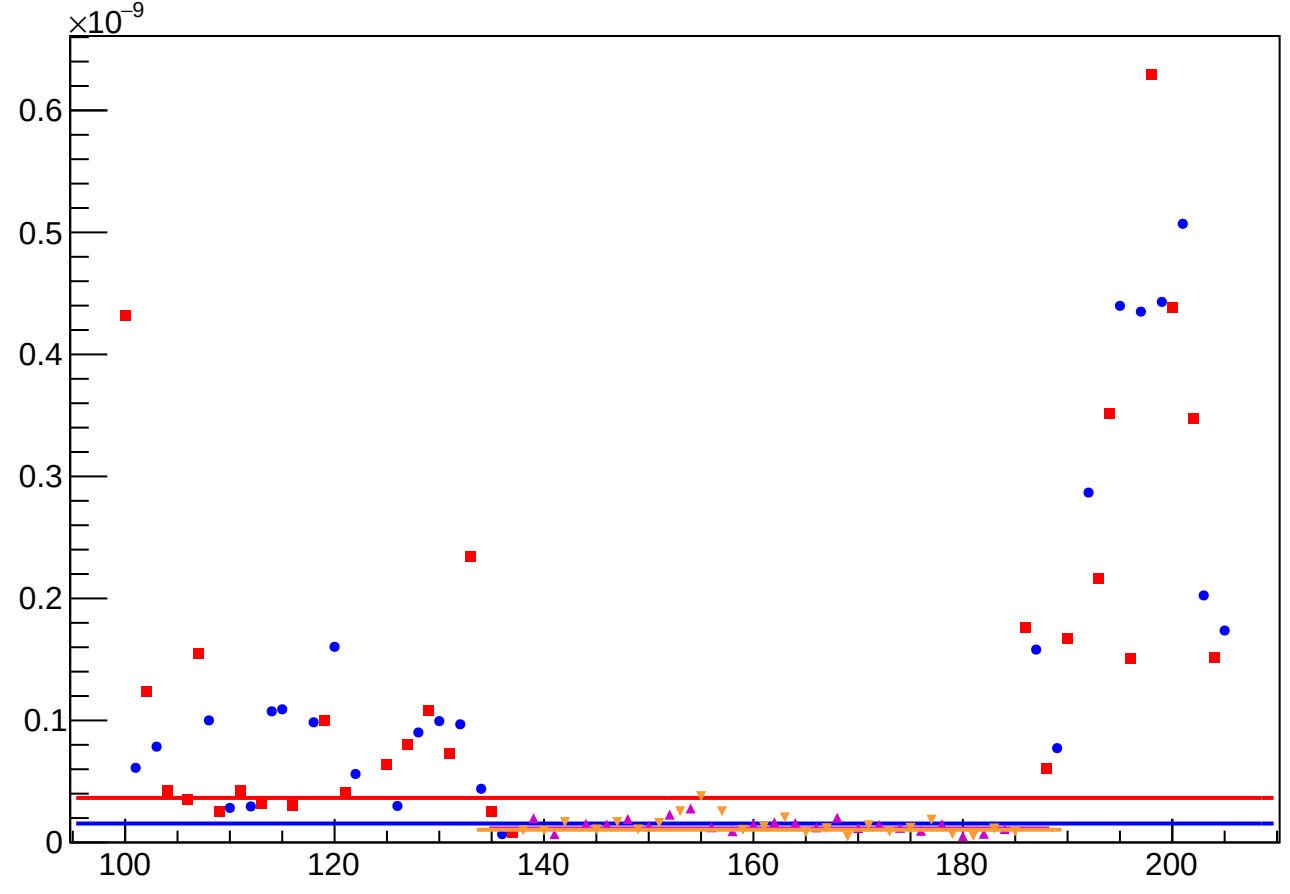
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.6/48

All: 0.000+/-0.000 χ^2/NDF: 123.6/99

- sign -0.000+/-0.000 χ^2/NDF: 48.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 8827765.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

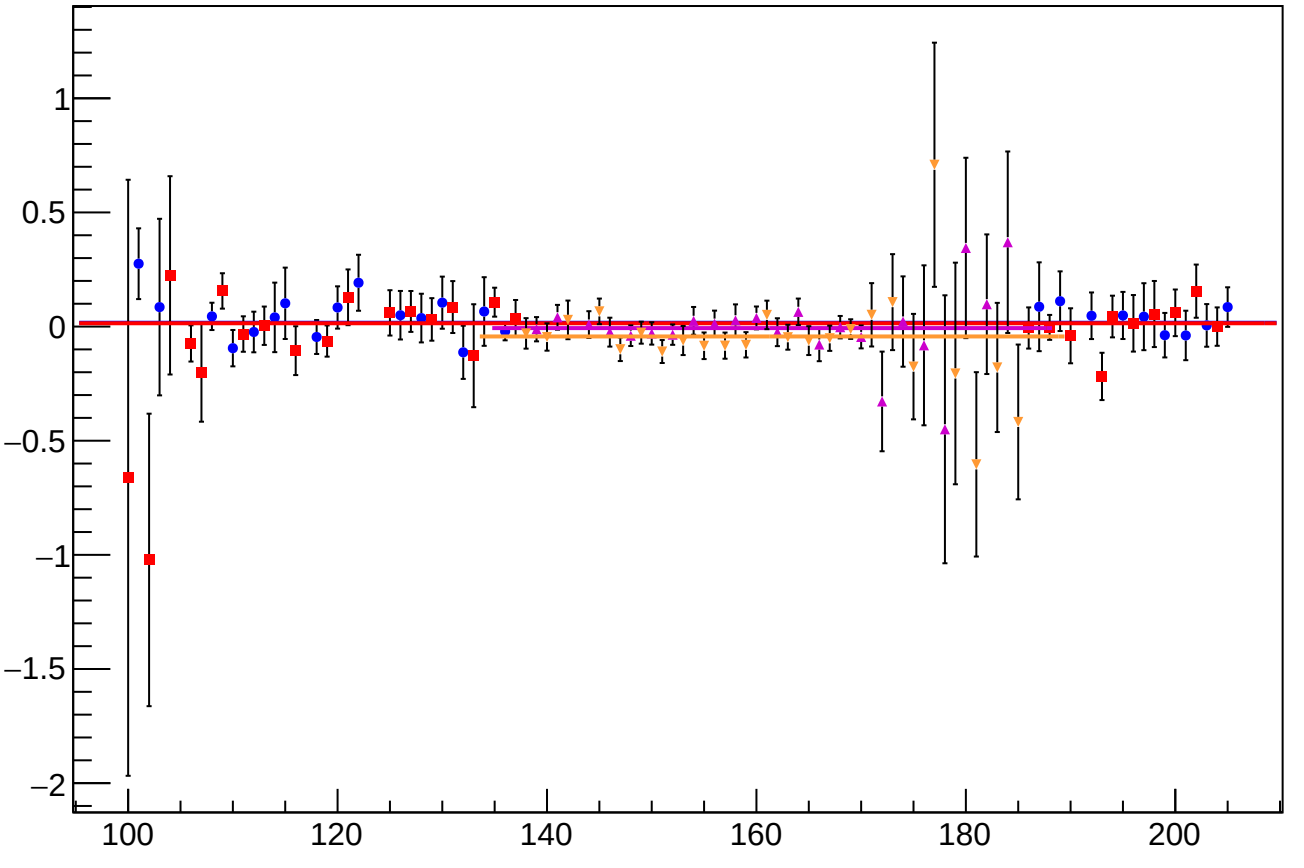
Right Out: 0.000+/-0.000 χ^2/NDF: 6779364.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11144458.4/48

All: 0.000+/-0.000 χ^2/NDF: 22128639.9/99

- sign 0.000+/-0.000 χ^2/NDF: 10863748.5/50



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

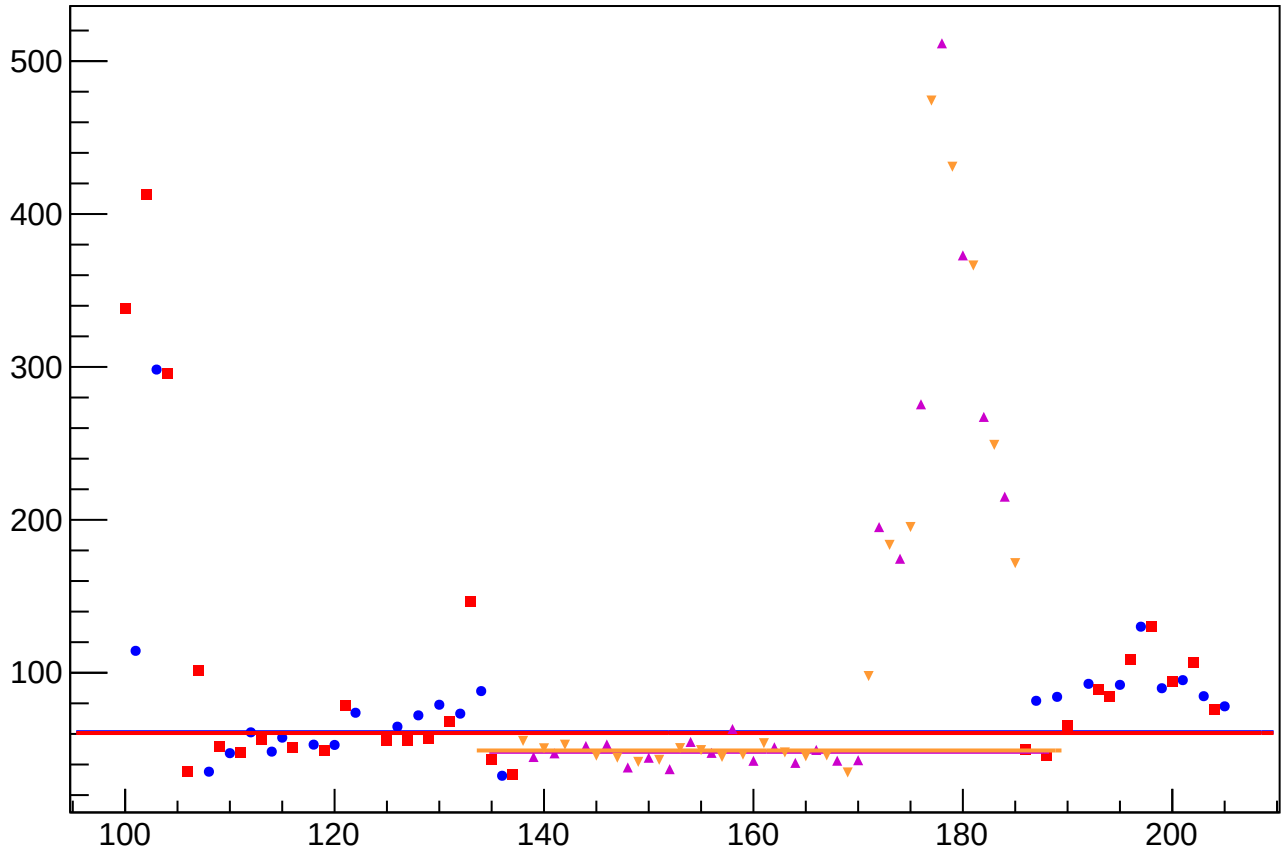
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/99

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

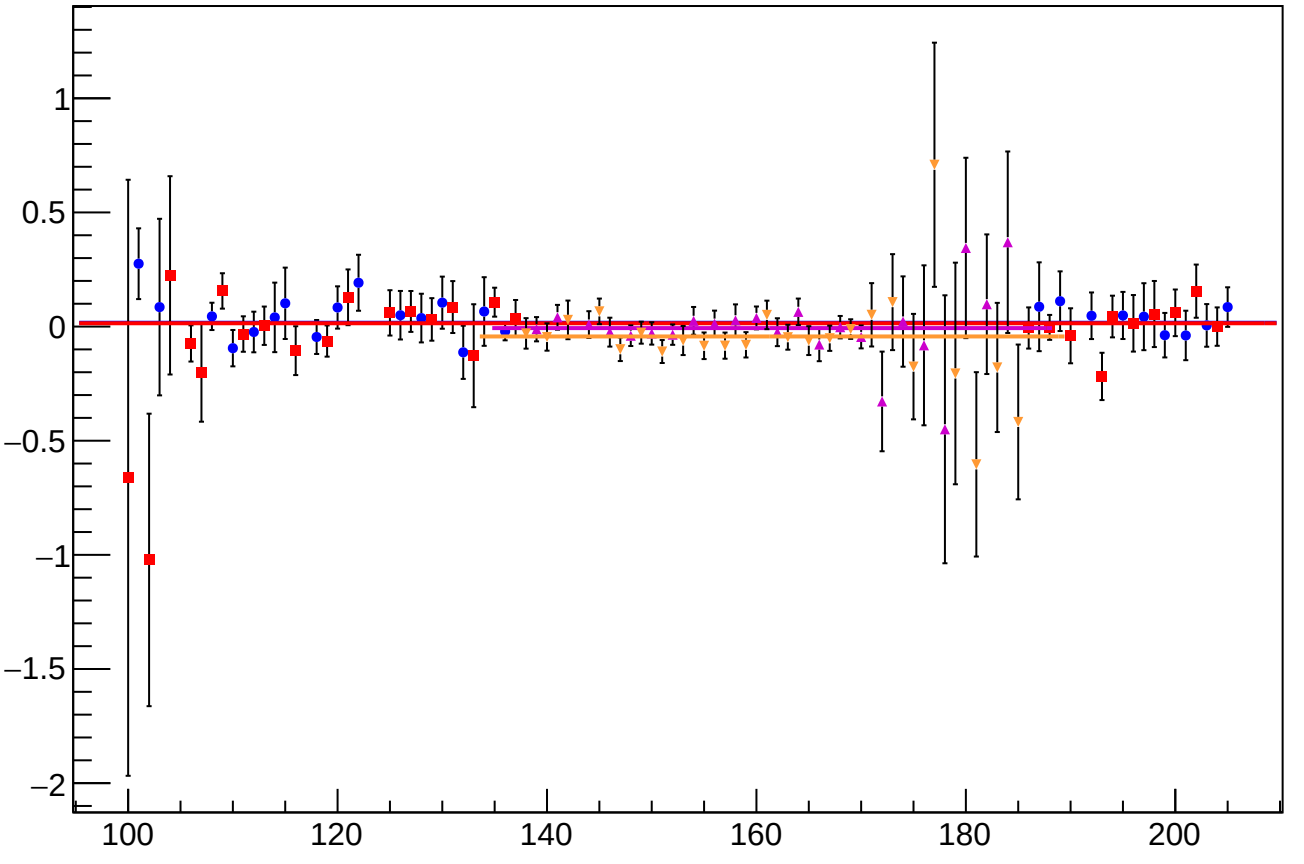
Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.426+/-0.008 χ^2/NDF: 11975654.9/48

All: 53.049+/-0.006 χ^2/NDF: 23880535.3/99

- sign 52.693+/-0.008 χ^2/NDF: 11900442.9/50



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

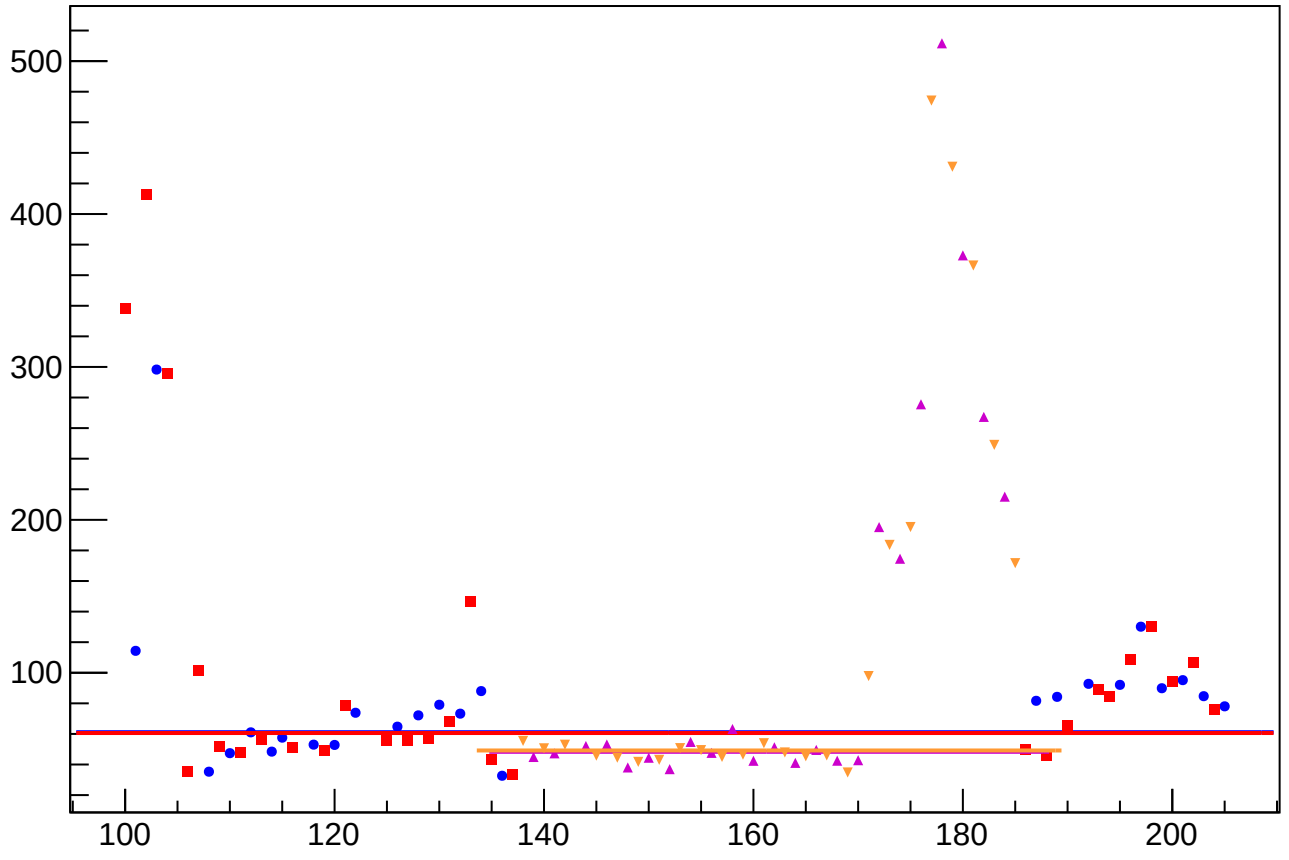
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/99

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

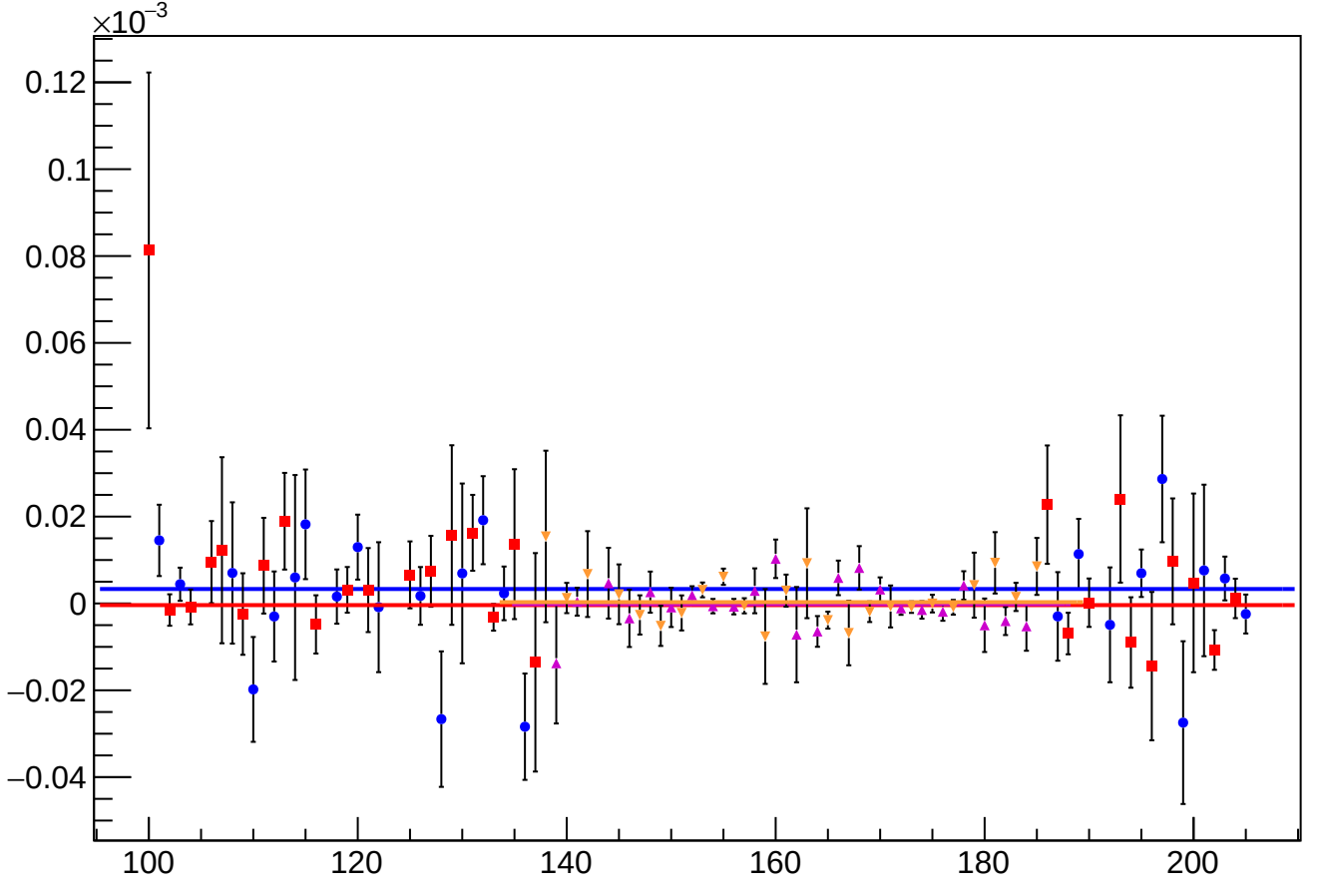
Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.426+/-0.008 χ^2/NDF: 11975654.9/48

All: 53.049+/-0.006 χ^2/NDF: 23880535.3/99

- sign 52.693+/-0.008 χ^2/NDF: 11900442.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

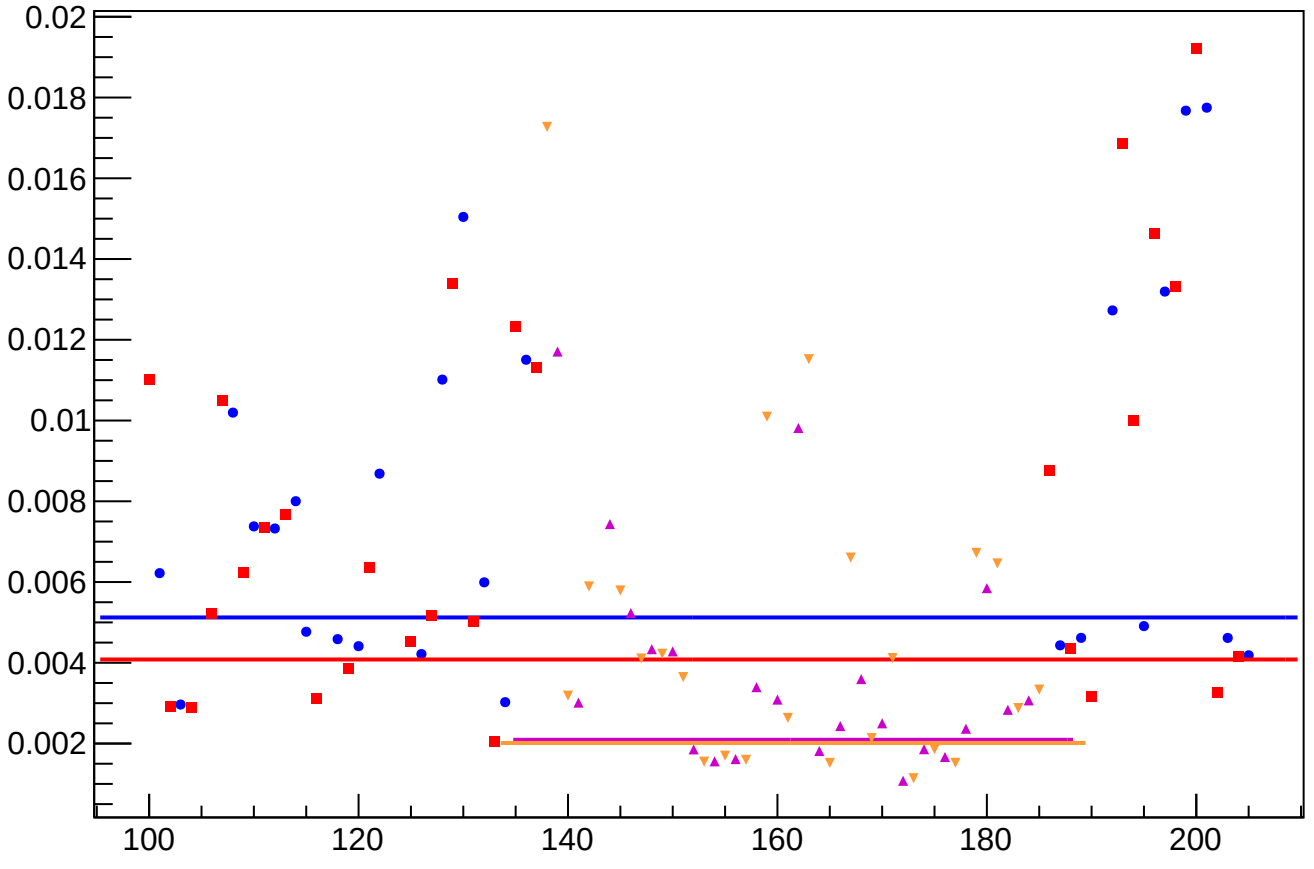
Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/27

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.1/48

All: 0.000+/-0.000 χ^2/NDF: 122.1/99

- sign -0.000+/-0.000 χ^2/NDF: 56.8/50



Right In: 0.005+/-0.000 χ^2/NDF: 5895060.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

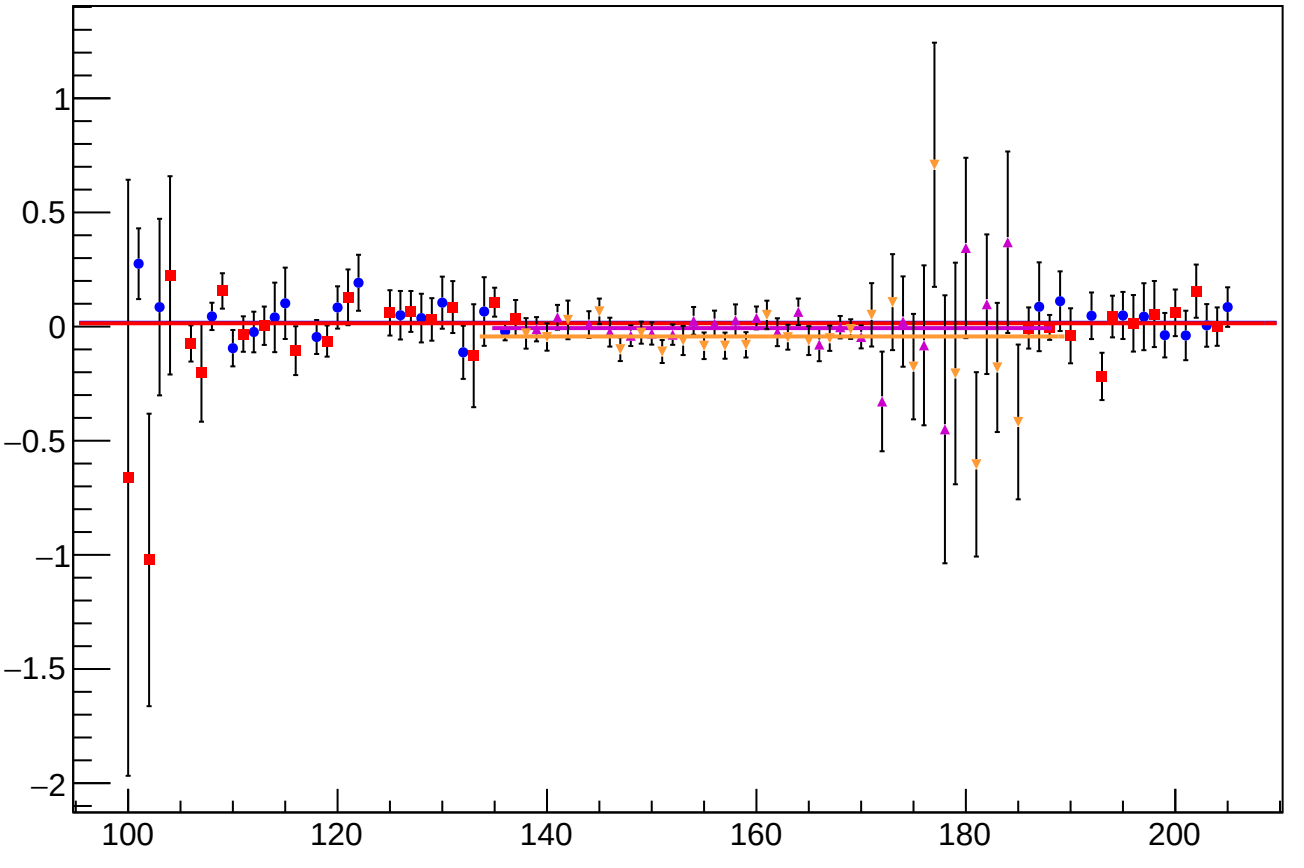
Right Out: 0.004+/-0.000 χ^2/NDF: 7805048.6/27

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 22927157.1/48

All: 0.002+/-0.000 χ^2/NDF: 41830538.4/99

- sign 0.002+/-0.000 χ^2/NDF: 18872566.1/50



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

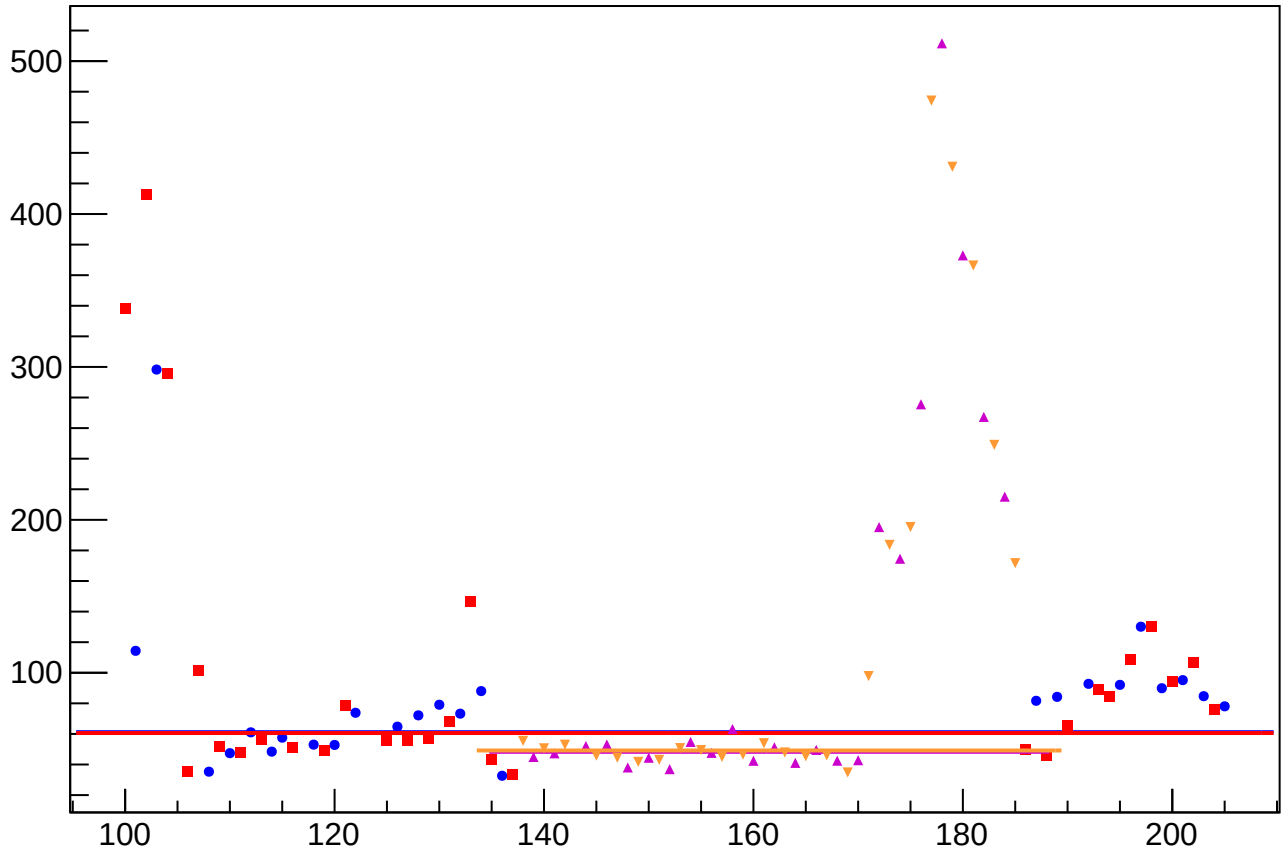
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/99

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

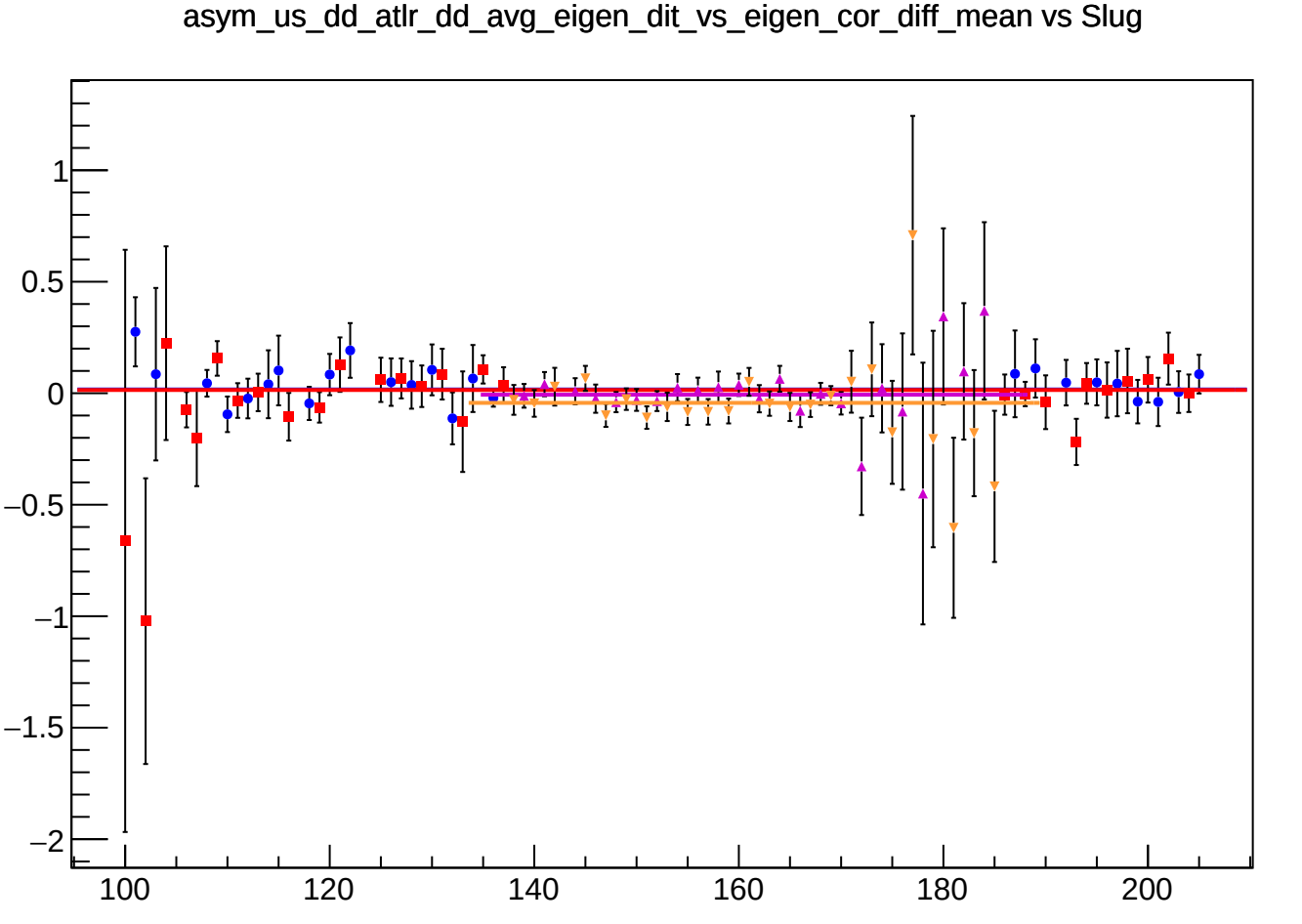
Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 53.426+/-0.008 χ^2/NDF: 11975562.0/48

All: 53.049+/-0.006 χ^2/NDF: 23880256.5/99

\- sign 52.694+/-0.008 χ^2/NDF: 11900263.7/50



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

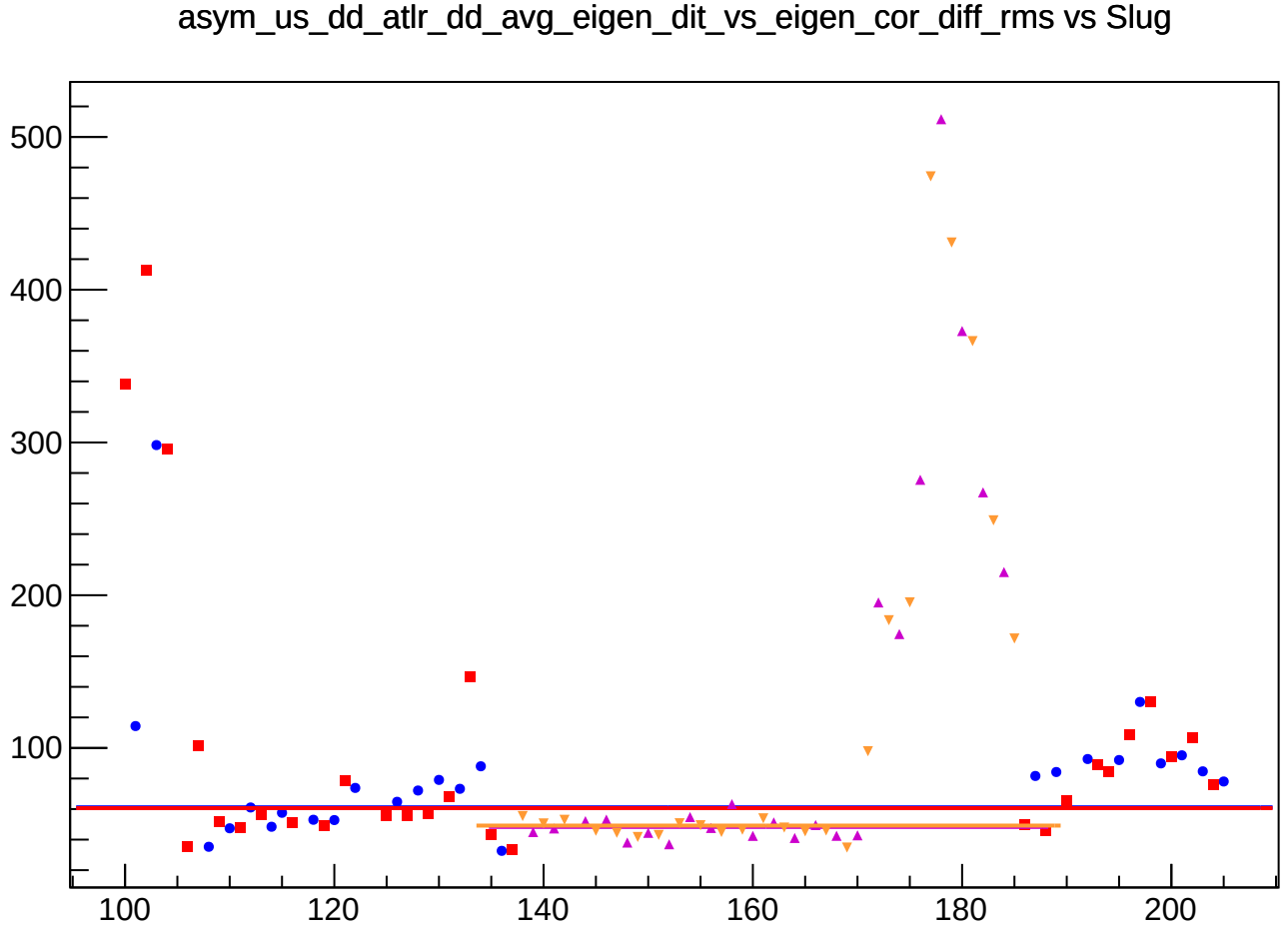
Right Out: 0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/99

- sign 0.001+/-0.011 χ^2/NDF: 35.5/50



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

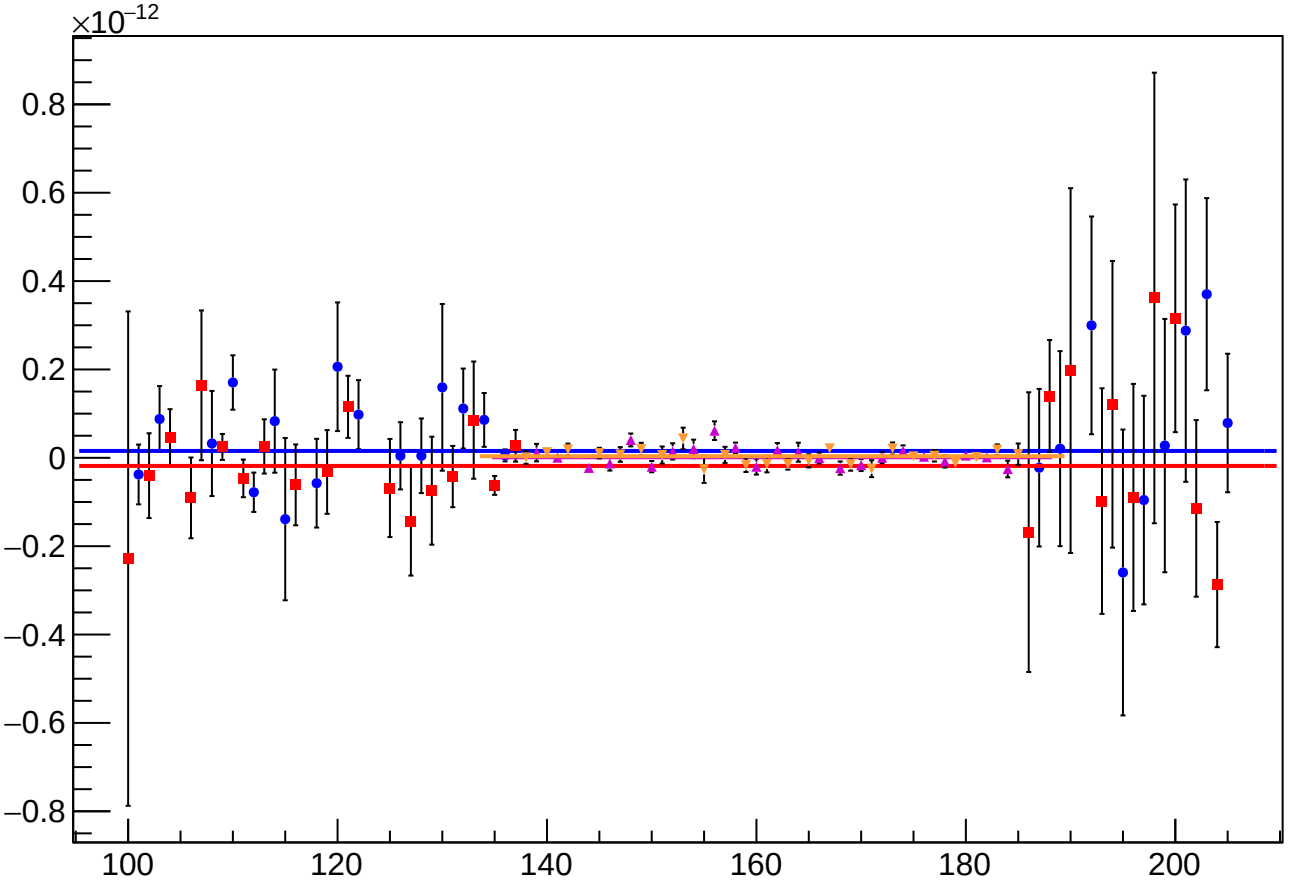
Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 53.426+/-0.008 χ^2/NDF: 11975562.0/48

All: 53.049+/-0.006 χ^2/NDF: 23880256.5/99

\- sign 52.694+/-0.008 χ^2/NDF: 11900263.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

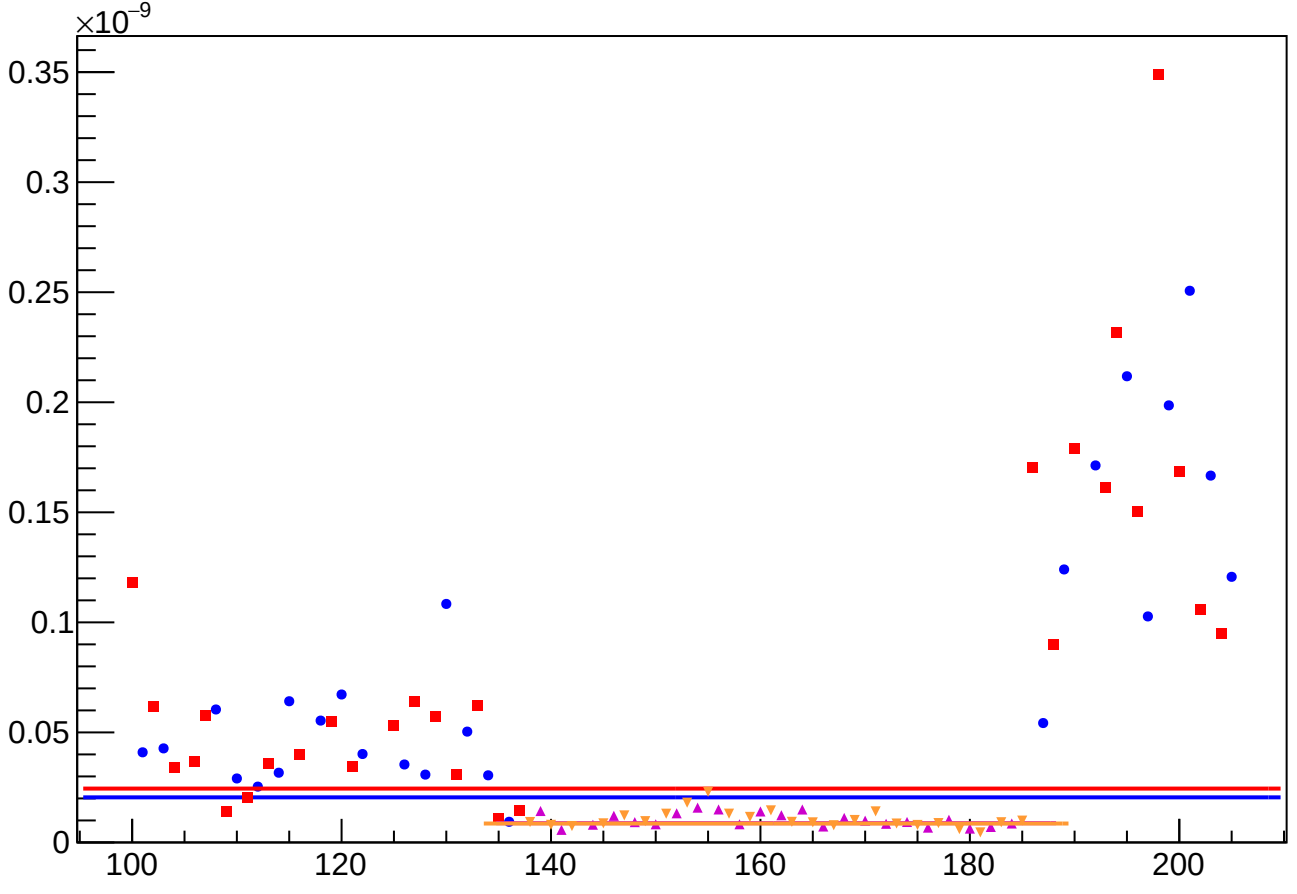
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/27

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/48

All: 0.000+/-0.000 χ^2/NDF: 121.8/99

- sign 0.000+/-0.000 χ^2/NDF: 69.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 9105199.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8132303.6/27

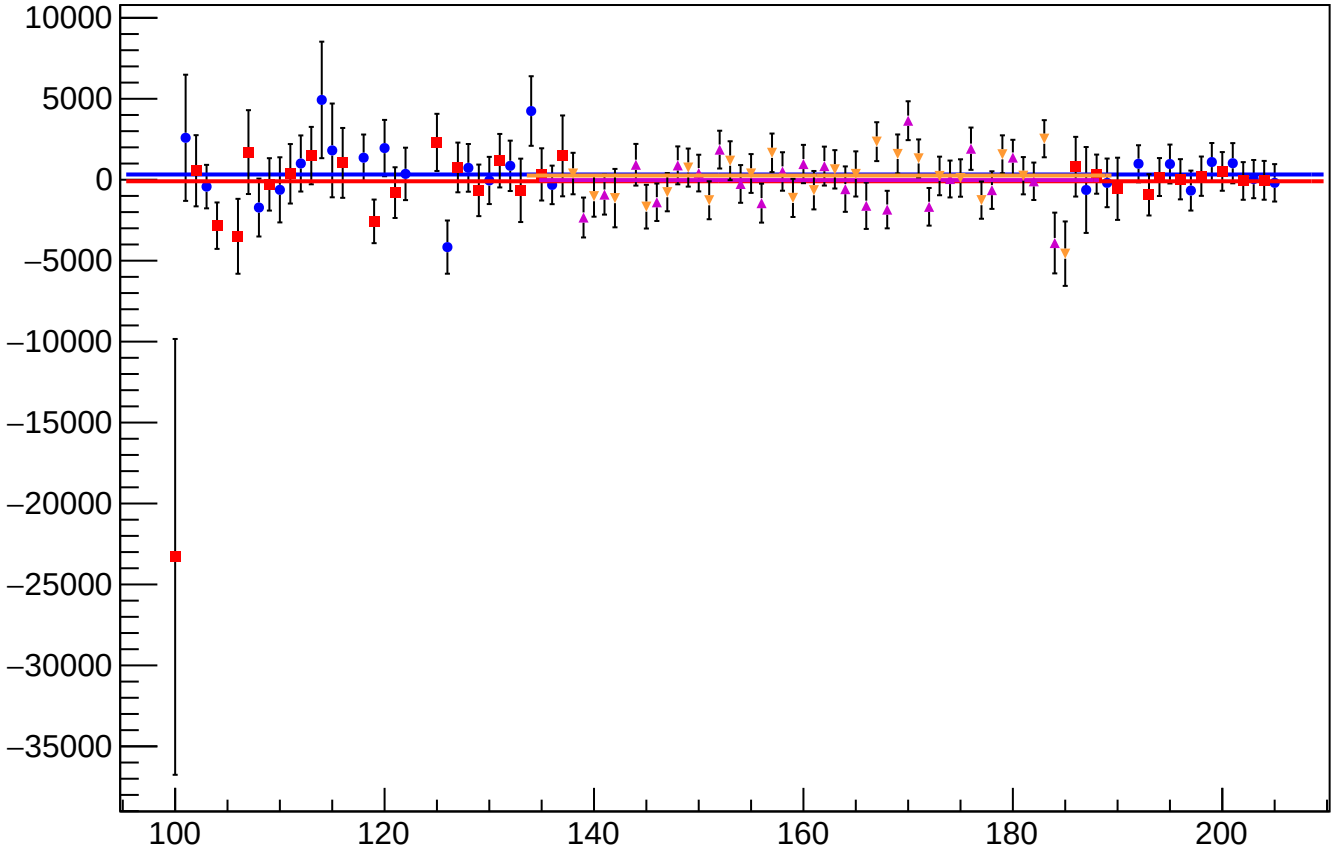
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13740090.7/48

All: 0.000+/-0.000 χ^2/NDF: 26935843.8/99

- sign 0.000+/-0.000 χ^2/NDF: 13187165.9/50

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 324.496+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -94.751+/-294.015 χ^2/NDF: 18.8/27

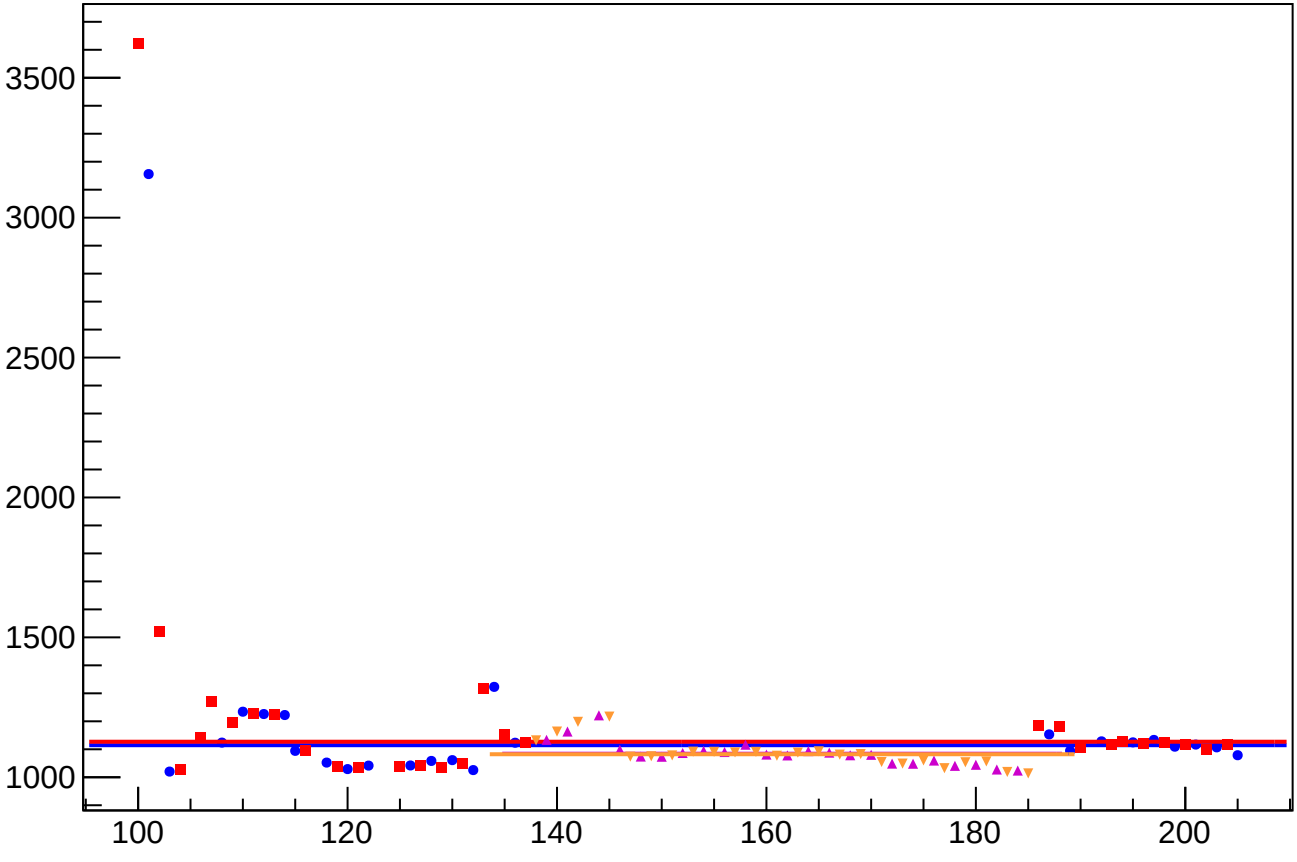
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 286.950+/-192.788 χ^2/NDF: 47.7/48

All: 116.101+/-136.013 χ^2/NDF: 103.9/99

- sign -53.209+/-191.918 χ^2/NDF: 54.6/50

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1114.608+/-0.212 χ^2/NDF: 627139.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

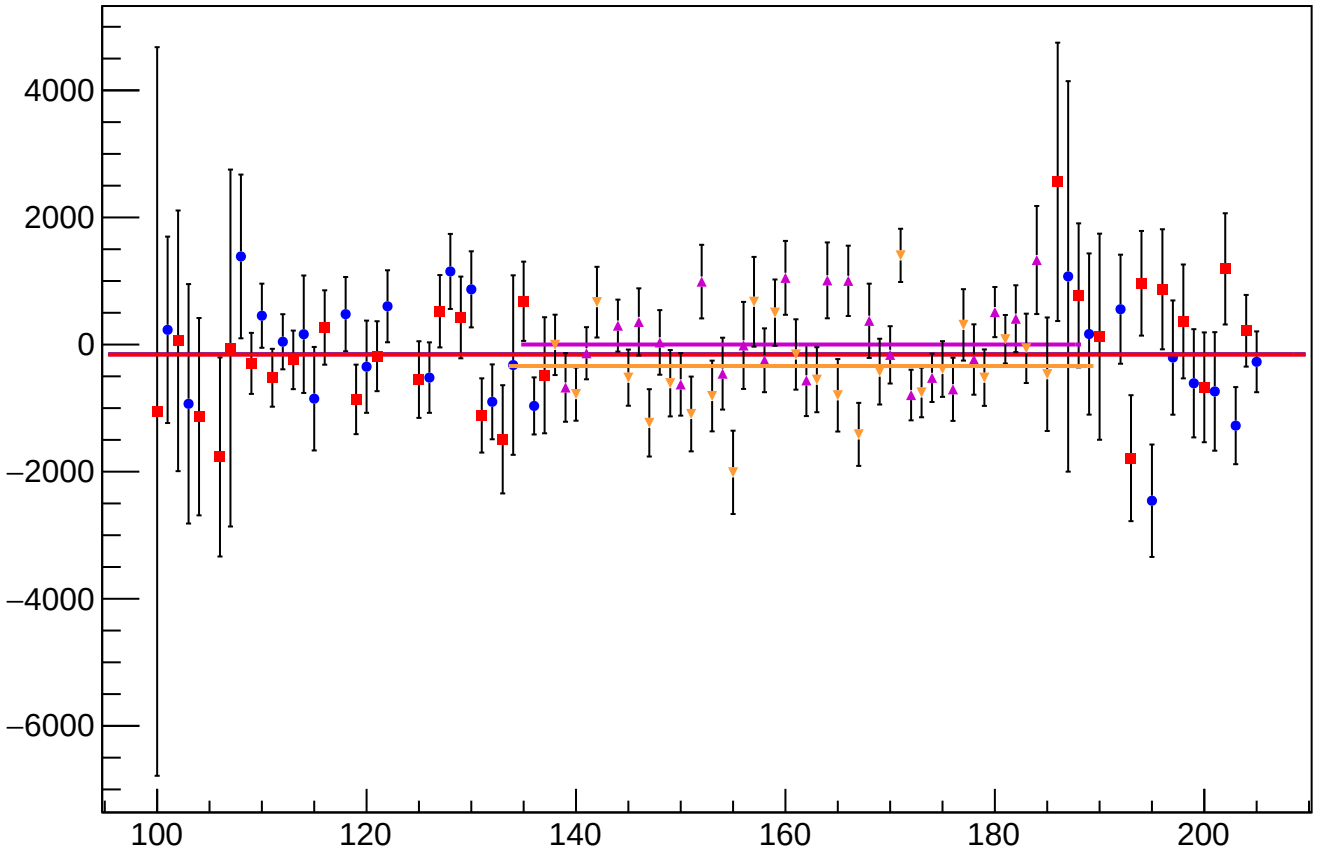
Right Out: 1127.029+/-0.208 χ^2/NDF: 230111.1/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.613+/-0.136 χ^2/NDF: 698612.3/48

All: 1099.037+/-0.096 χ^2/NDF: 1007812.9/99

- sign 1102.429+/-0.136 χ^2/NDF: 307945.0/50



Right In: -152.852+/-137.777 χ^2/NDF: 32.2/24

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -157.298+/-137.353 χ^2/NDF: 25.7/27

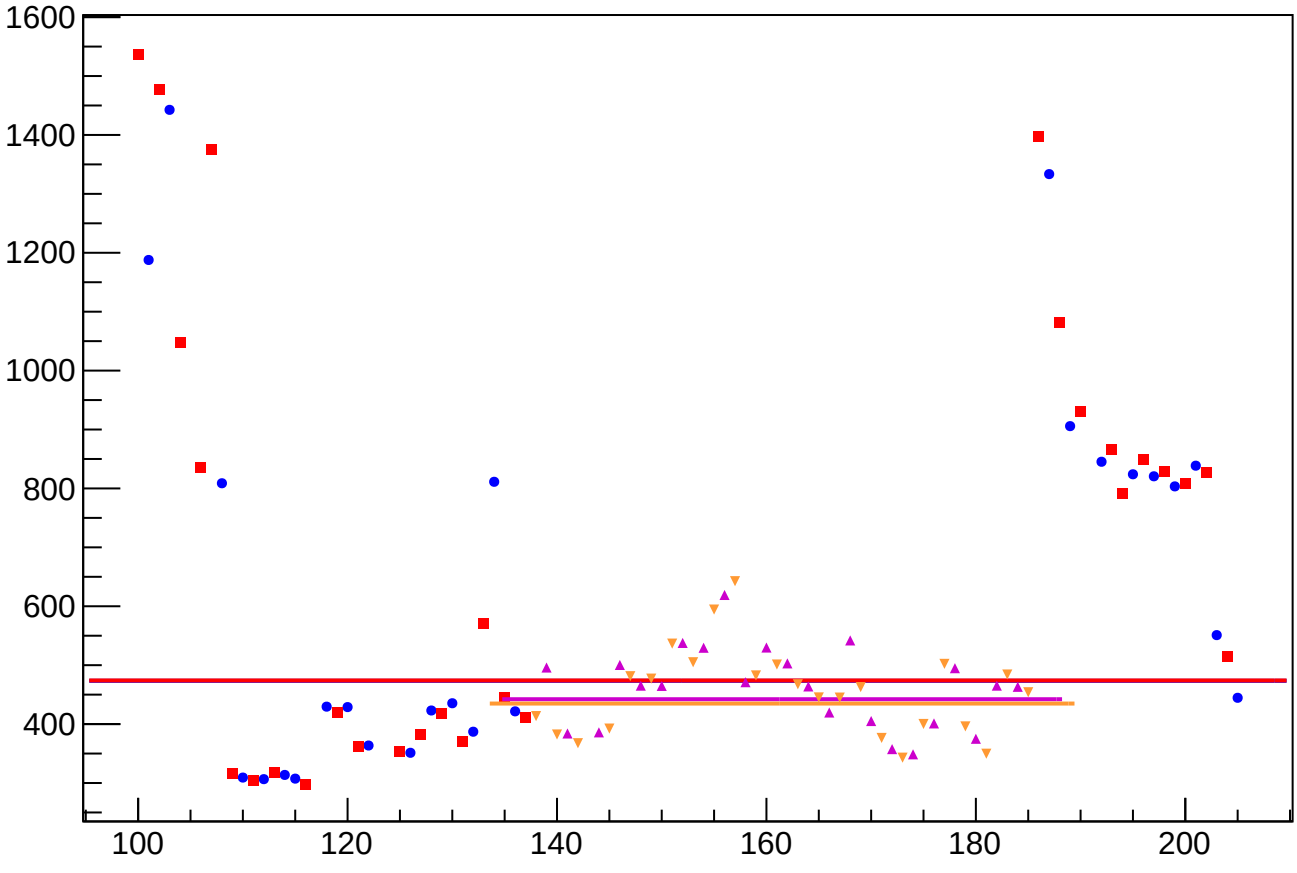
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -271.776+/-82.290 χ^2/NDF: 82.1/48

All: -165.917+/-58.536 χ^2/NDF: 143.9/99

- sign -57.486+/-83.284 χ^2/NDF: 58.4/50

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 473.456+/-0.097 χ^2/NDF: 4212391.5/24

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 474.048+/-0.097 χ^2/NDF: 5354410.3/27

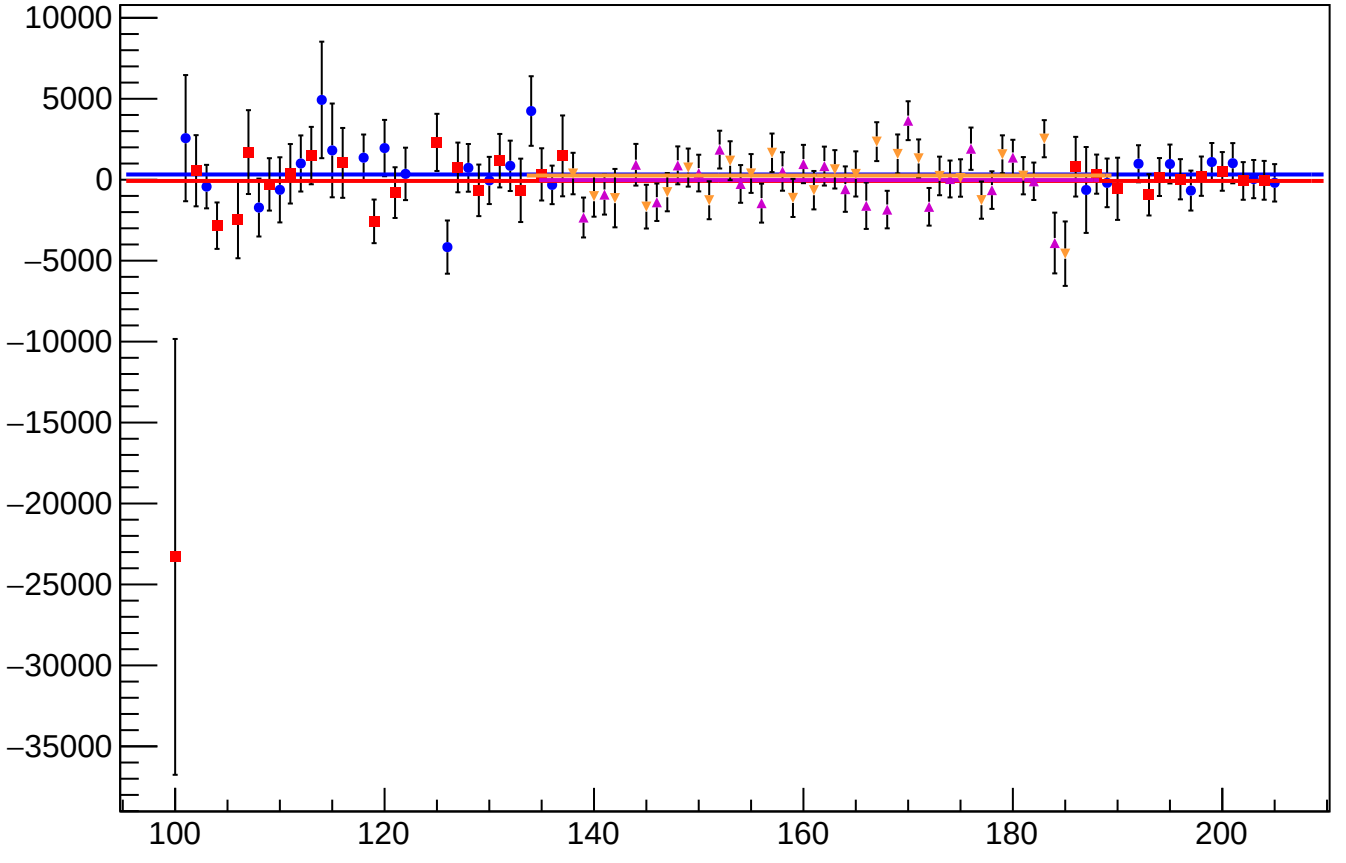
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 448.627+/-0.058 χ^2/NDF: 5191776.6/48

All: 451.239+/-0.041 χ^2/NDF: 11444195.2/99

- sign 453.915+/-0.059 χ^2/NDF: 6248340.0/50

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -74.785+/-294.198 χ^2/NDF: 17.6/27

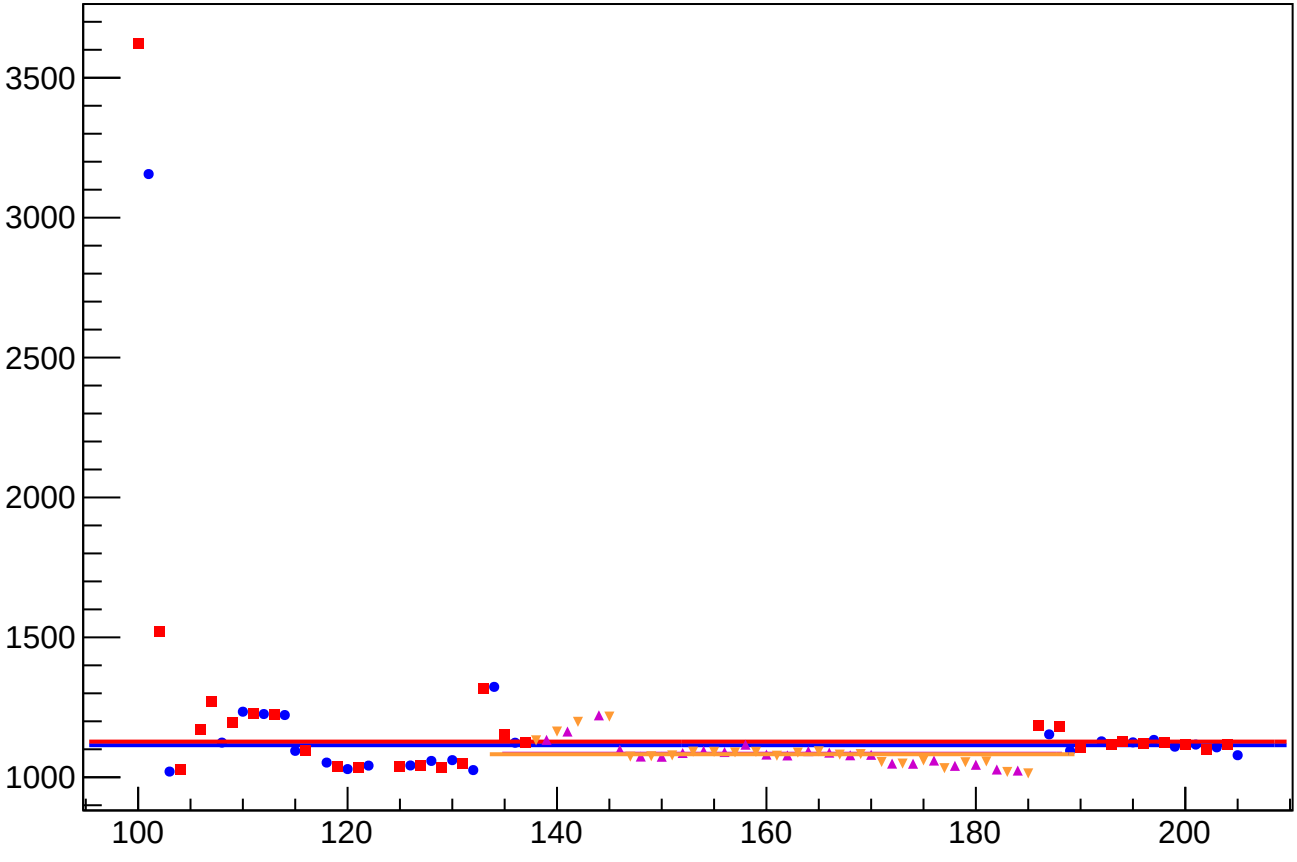
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 286.886+/-192.788 χ^2/NDF: 47.7/48

All: 120.396+/-136.031 χ^2/NDF: 102.6/99

- sign -44.682+/-191.969 χ^2/NDF: 53.4/50

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

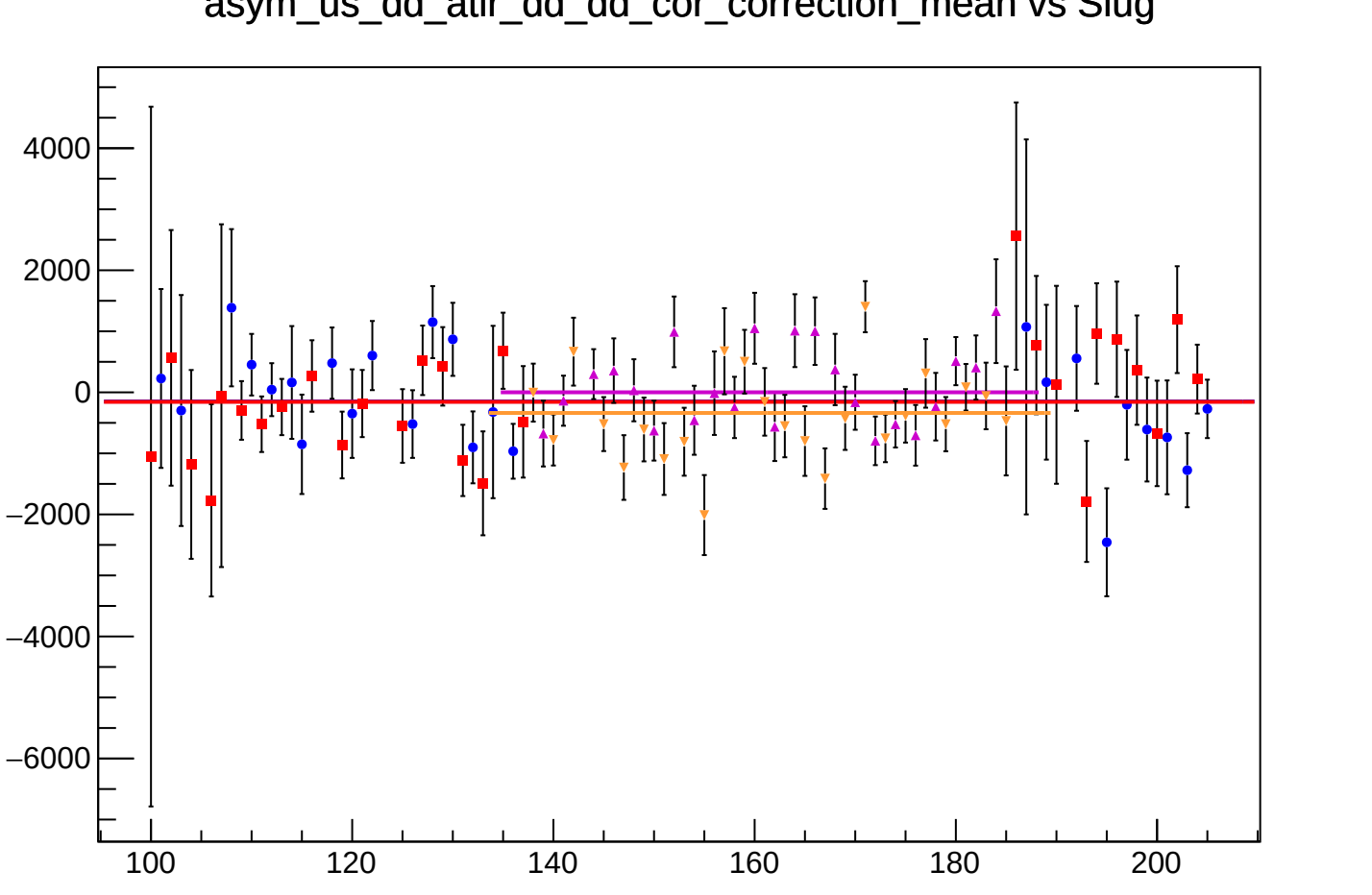
Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.613+/-0.136 χ^2/NDF: 698613.2/48

All: 1099.126+/-0.096 χ^2/NDF: 1008996.9/99

- sign 1102.608+/-0.136 χ^2/NDF: 309061.6/50



Right In: -149.570+/-137.778 χ^2/NDF: 32.0/24

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -155.470+/-137.369 χ^2/NDF: 25.8/27

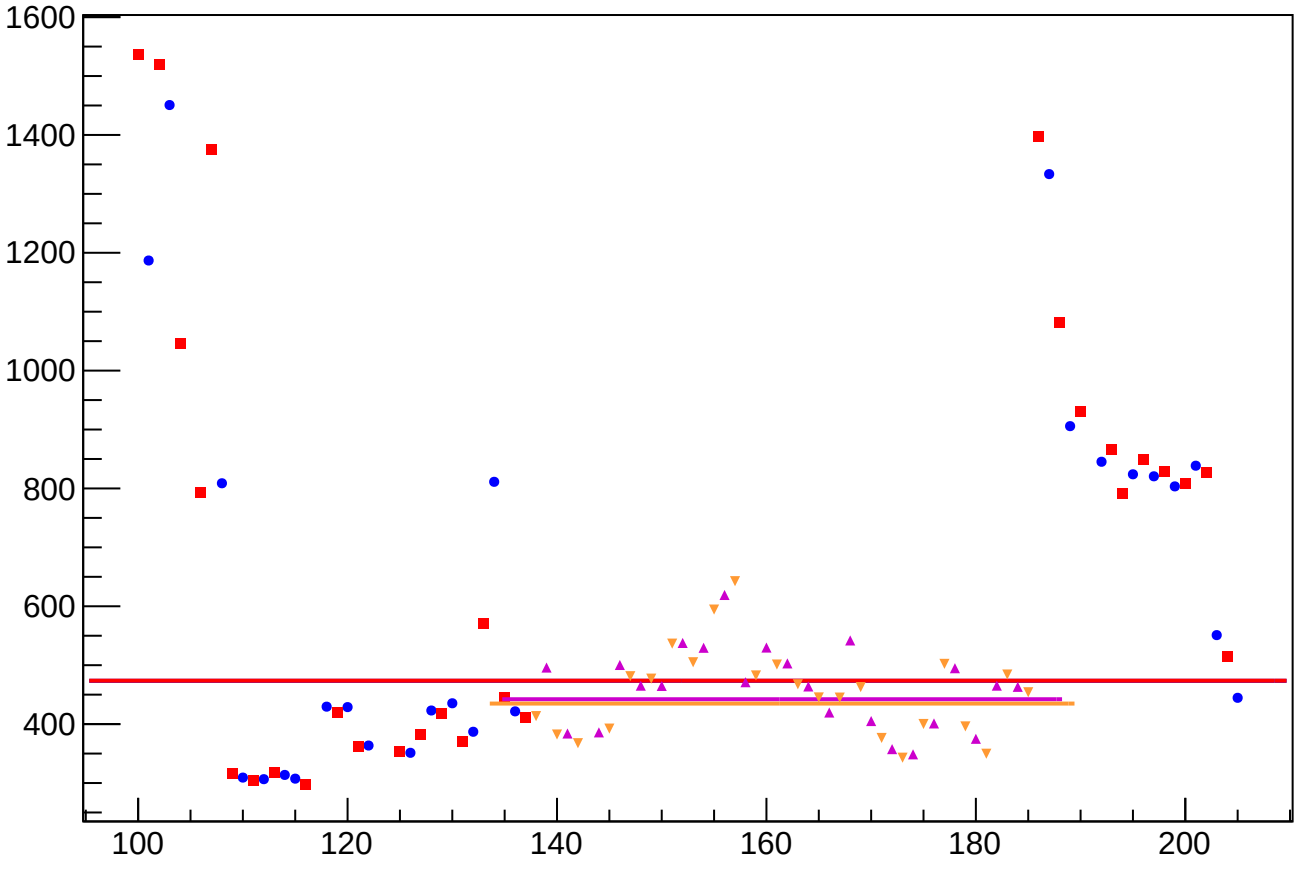
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -270.663+/-82.290 χ^2/NDF: 82.0/48

All: -165.016+/-58.537 χ^2/NDF: 143.9/99

- sign -56.793+/-83.287 χ^2/NDF: 58.5/50

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

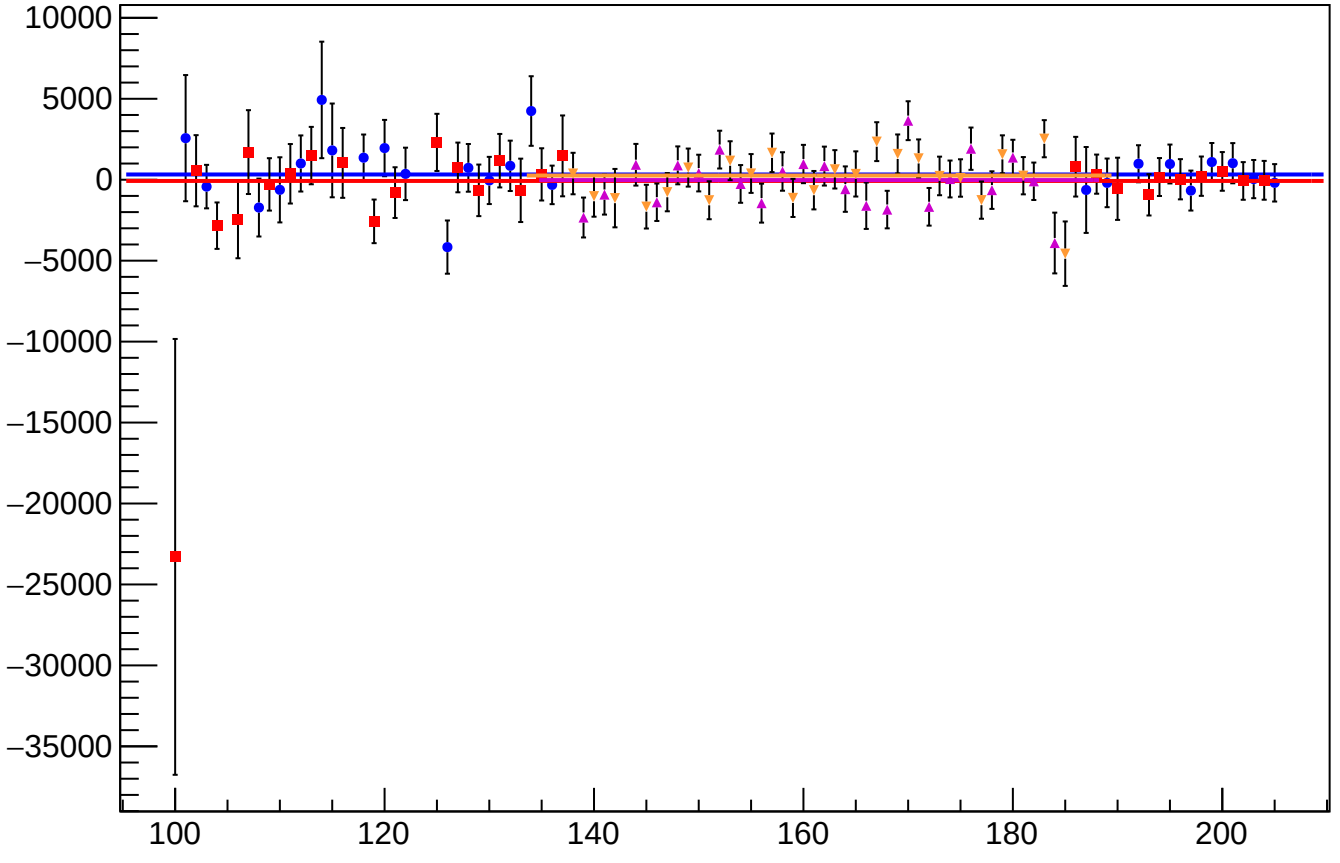
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 448.623+/-0.058 χ^2/NDF: 5195656.4/48

All: 451.175+/-0.041 χ^2/NDF: 11440898.7/99

- sign 453.789+/-0.059 χ^2/NDF: 6241348.7/50

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -74.785+/-294.198 χ^2/NDF: 17.6/27

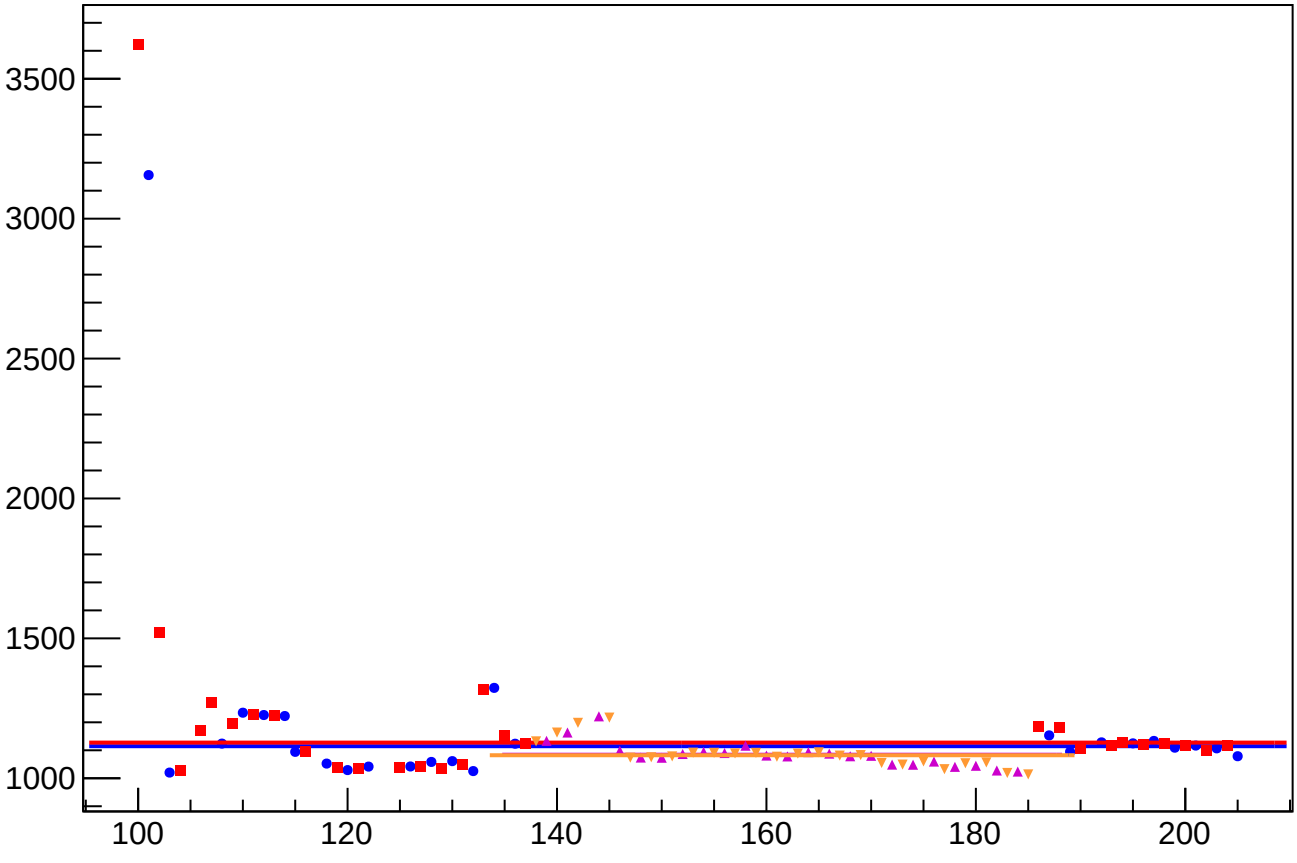
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 286.886+/-192.788 χ^2/NDF: 47.7/48

All: 120.396+/-136.031 χ^2/NDF: 102.6/99

- sign -44.682+/-191.969 χ^2/NDF: 53.4/50

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

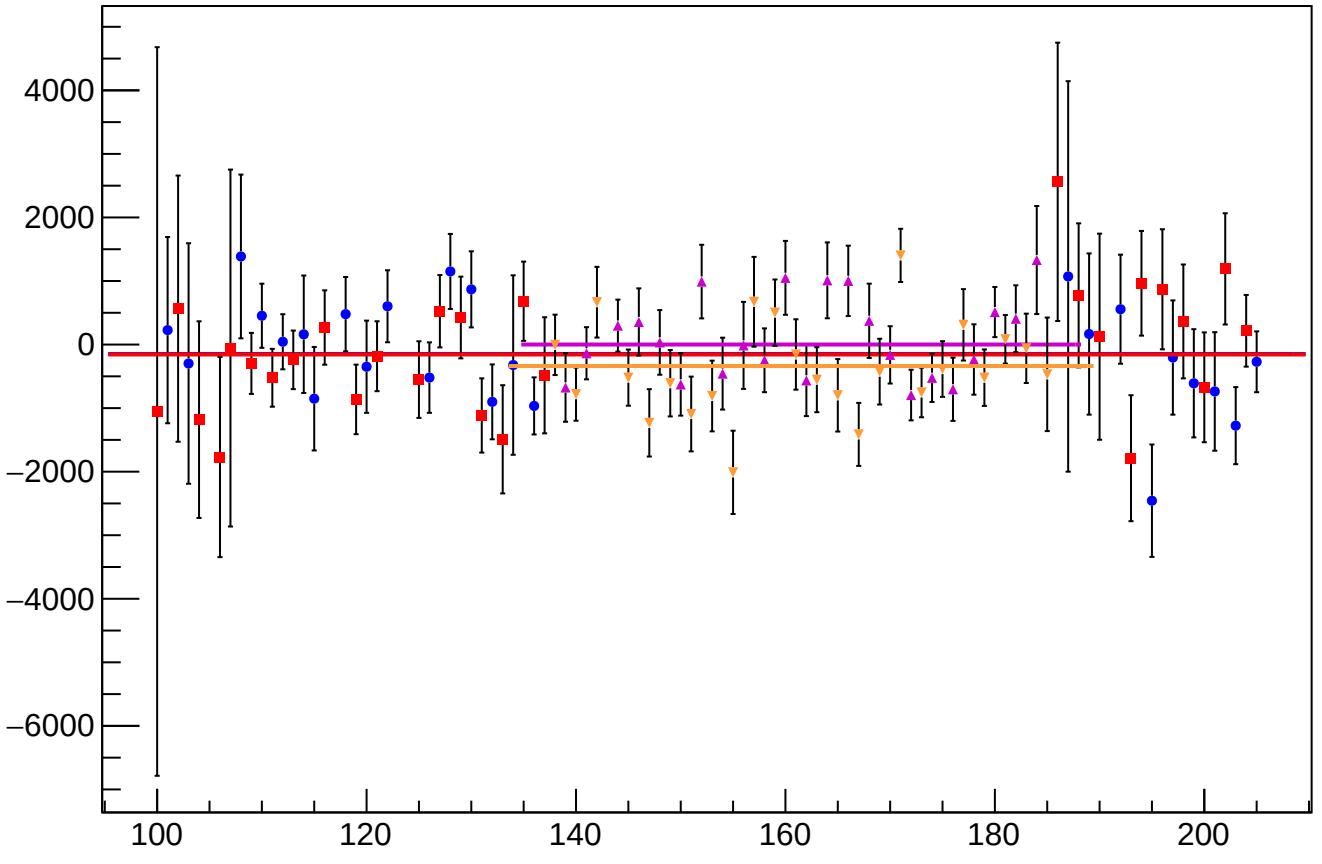
Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.613+/-0.136 χ^2/NDF: 698613.2/48

All: 1099.126+/-0.096 χ^2/NDF: 1008996.9/99

- sign 1102.608+/-0.136 χ^2/NDF: 309061.6/50



Right In: -149.570+/-137.778 χ^2/NDF: 32.0/24

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

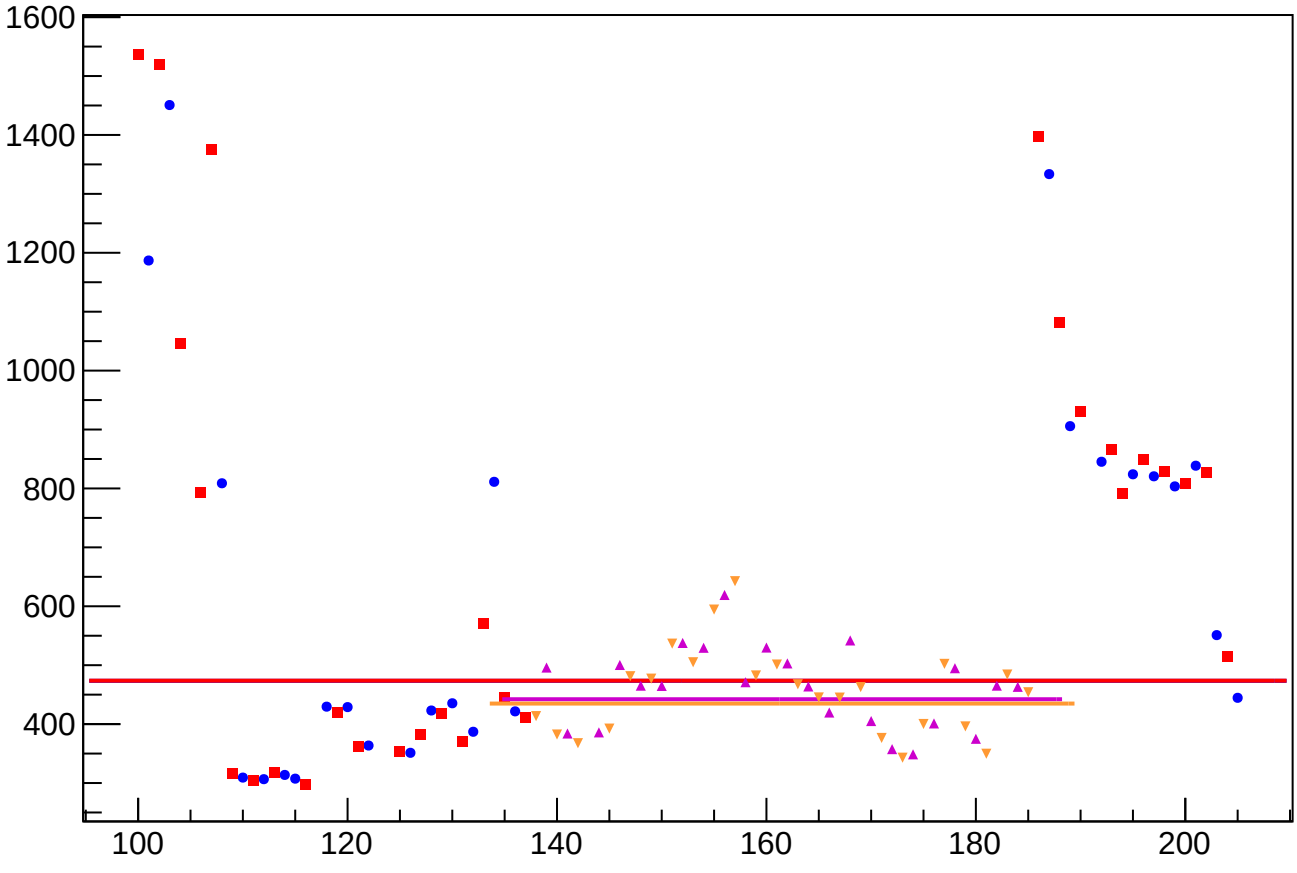
Right Out: -155.470+/-137.369 χ^2/NDF: 25.8/27

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -270.663+/-82.290 χ^2/NDF: 82.0/48

All: -165.016+/-58.537 χ^2/NDF: 143.9/99

- sign -56.793+/-83.287 χ^2/NDF: 58.5/50



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

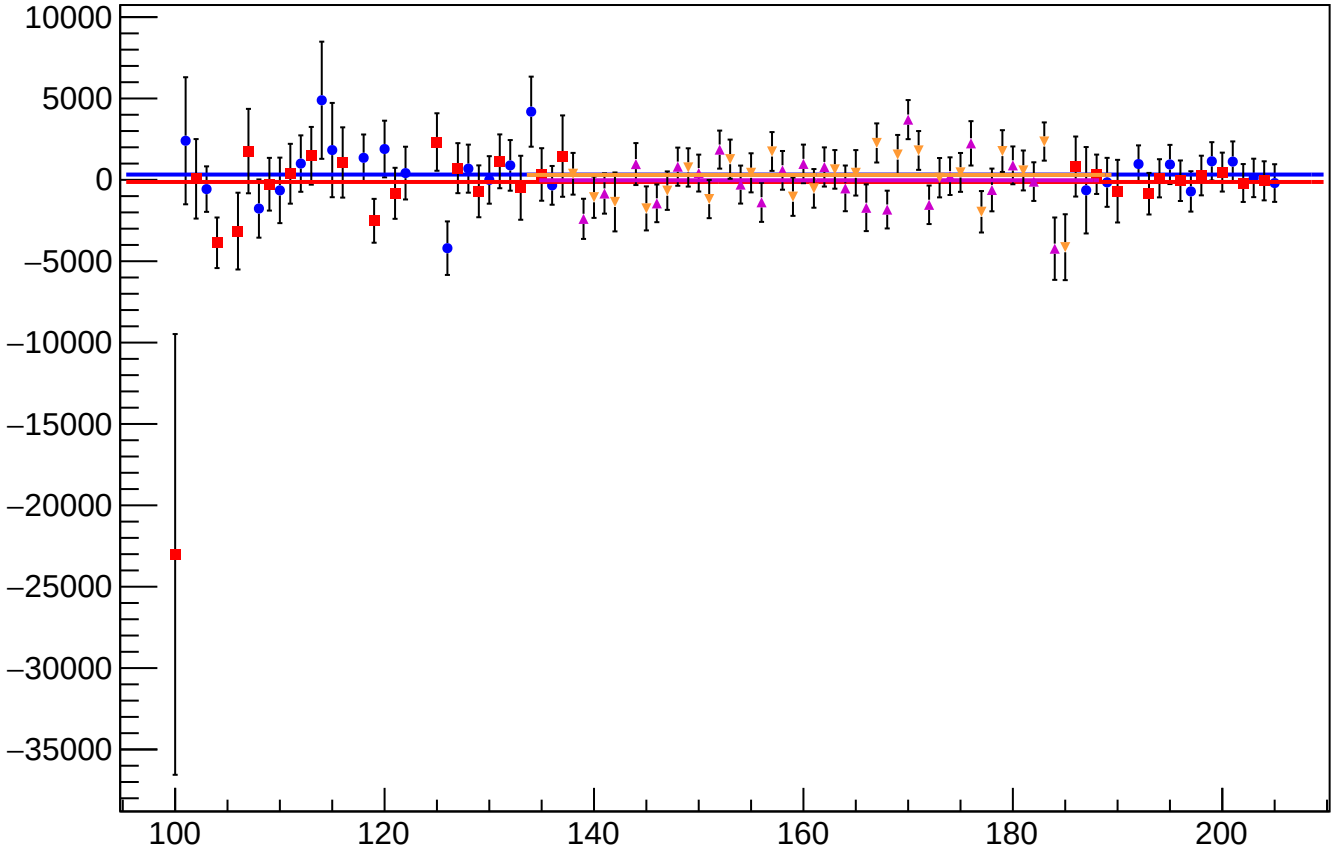
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 448.623+/-0.058 χ^2/NDF: 5195656.4/48

All: 451.175+/-0.041 χ^2/NDF: 11440898.7/99

- sign 453.789+/-0.059 χ^2/NDF: 6241348.7/50

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 325.208+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -129.829+/-295.848 χ^2/NDF: 20.1/27

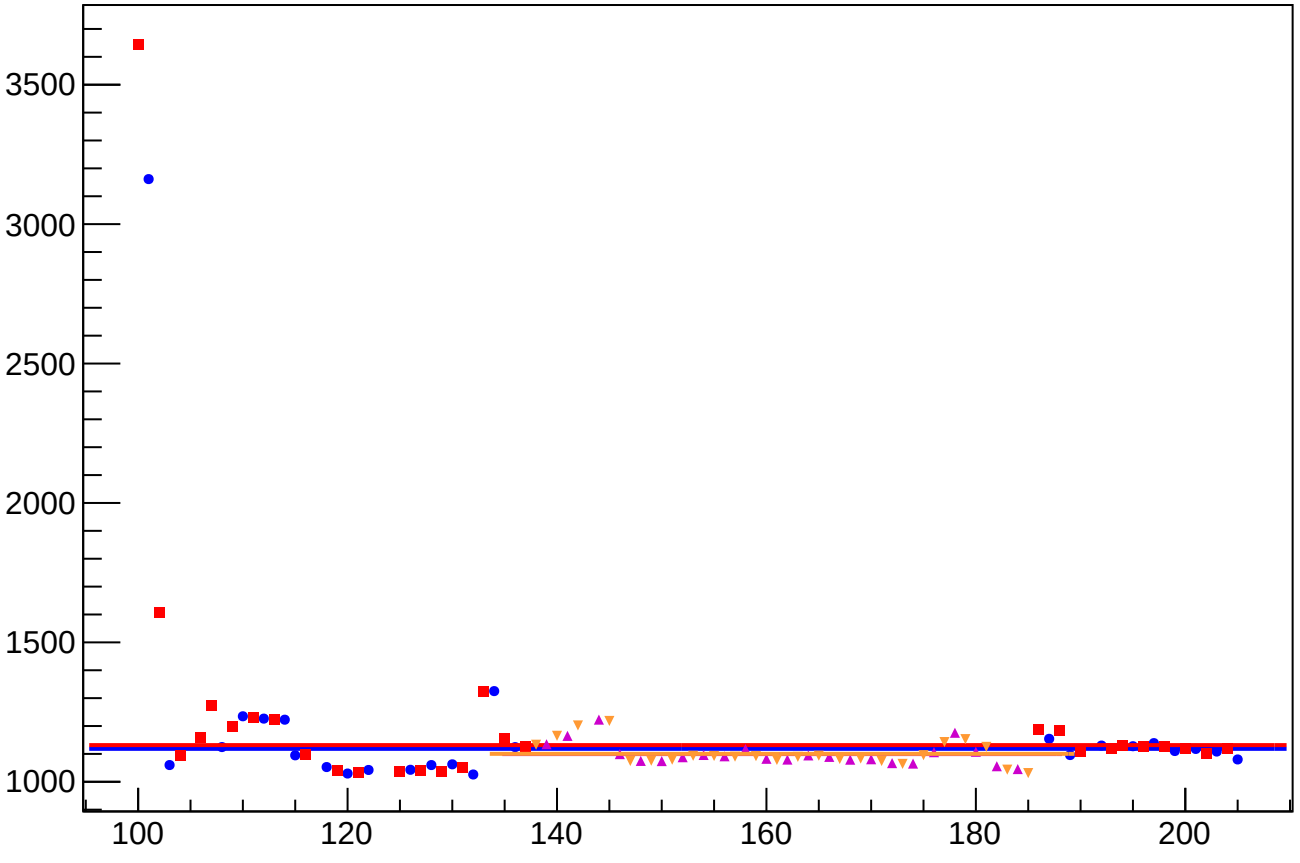
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 312.526+/-194.900 χ^2/NDF: 48.1/48

All: 120.218+/-137.482 χ^2/NDF: 106.1/99

- sign -70.239+/-193.960 χ^2/NDF: 56.0/50

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.168+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

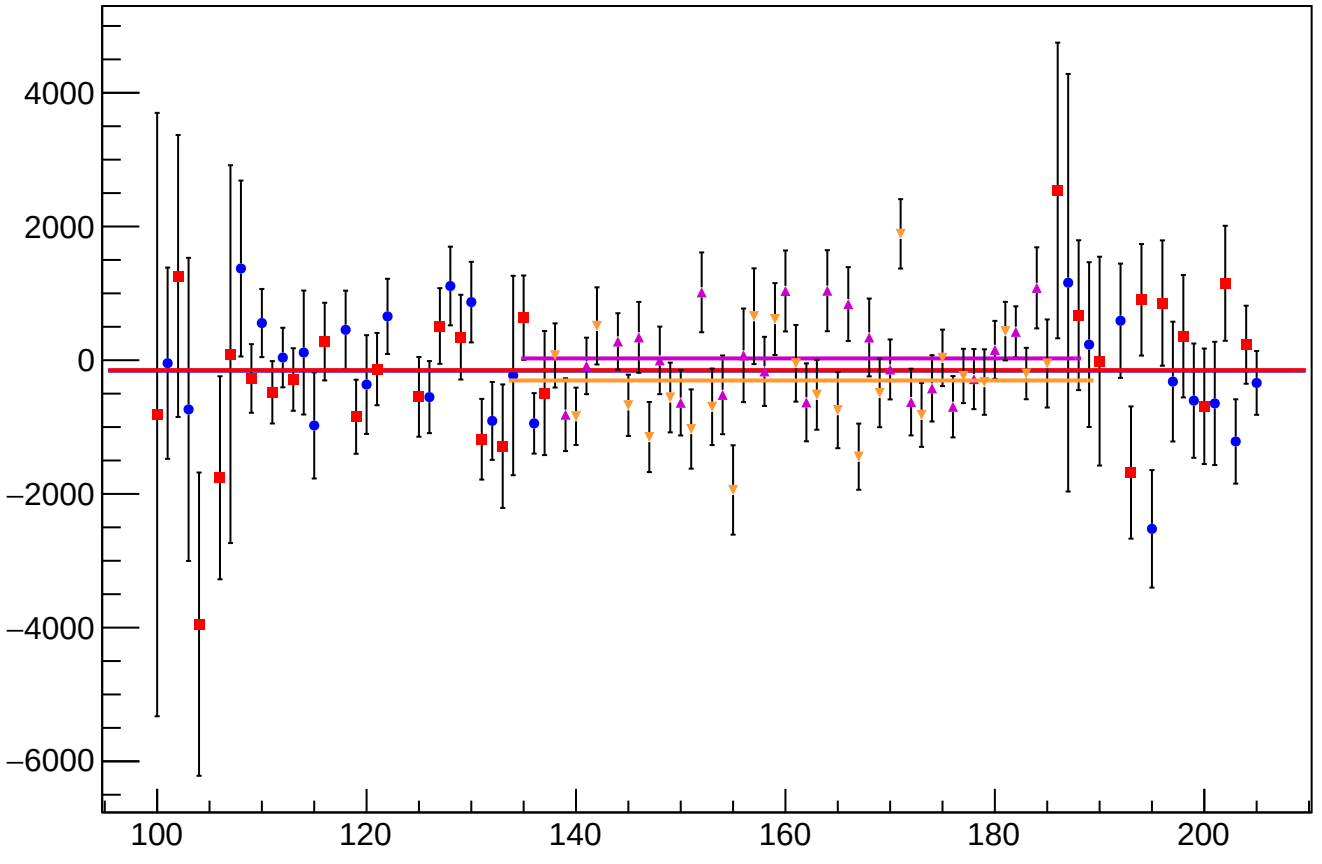
Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.5/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1107.751+/-0.138 χ^2/NDF: 674089.5/48

All: 1110.486+/-0.097 χ^2/NDF: 968568.9/99

- sign 1113.194+/-0.137 χ^2/NDF: 293695.7/50



Right In: -155.560+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -149.301+/-139.387 χ^2/NDF: 26.3/27

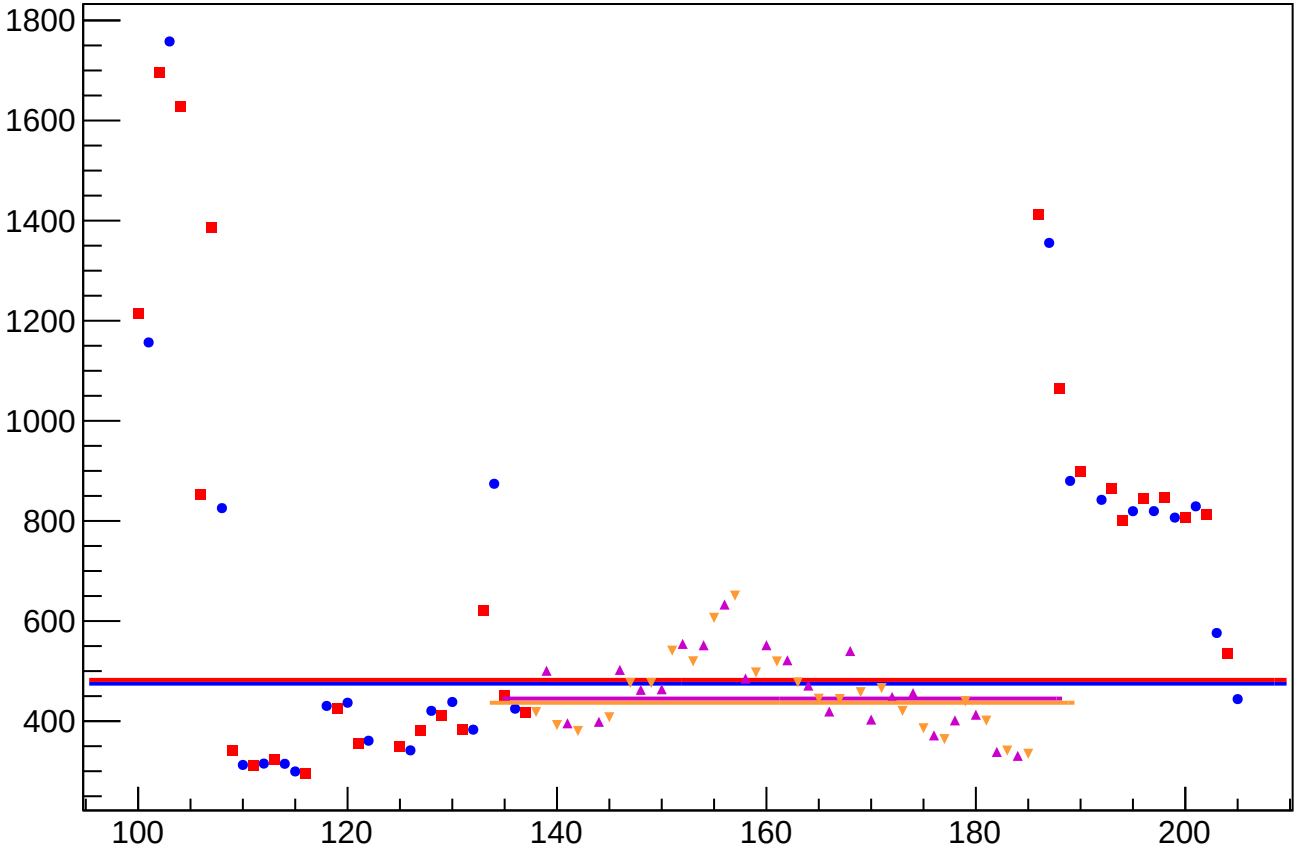
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -250.539+/-82.592 χ^2/NDF: 82.9/48

All: -145.832+/-58.921 χ^2/NDF: 141.3/99

- sign -37.317+/-84.081 χ^2/NDF: 55.2/50

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 474.996+/-0.098 χ^2/NDF: 4321412.5/24

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 482.480+/-0.099 χ^2/NDF: 5674671.3/27

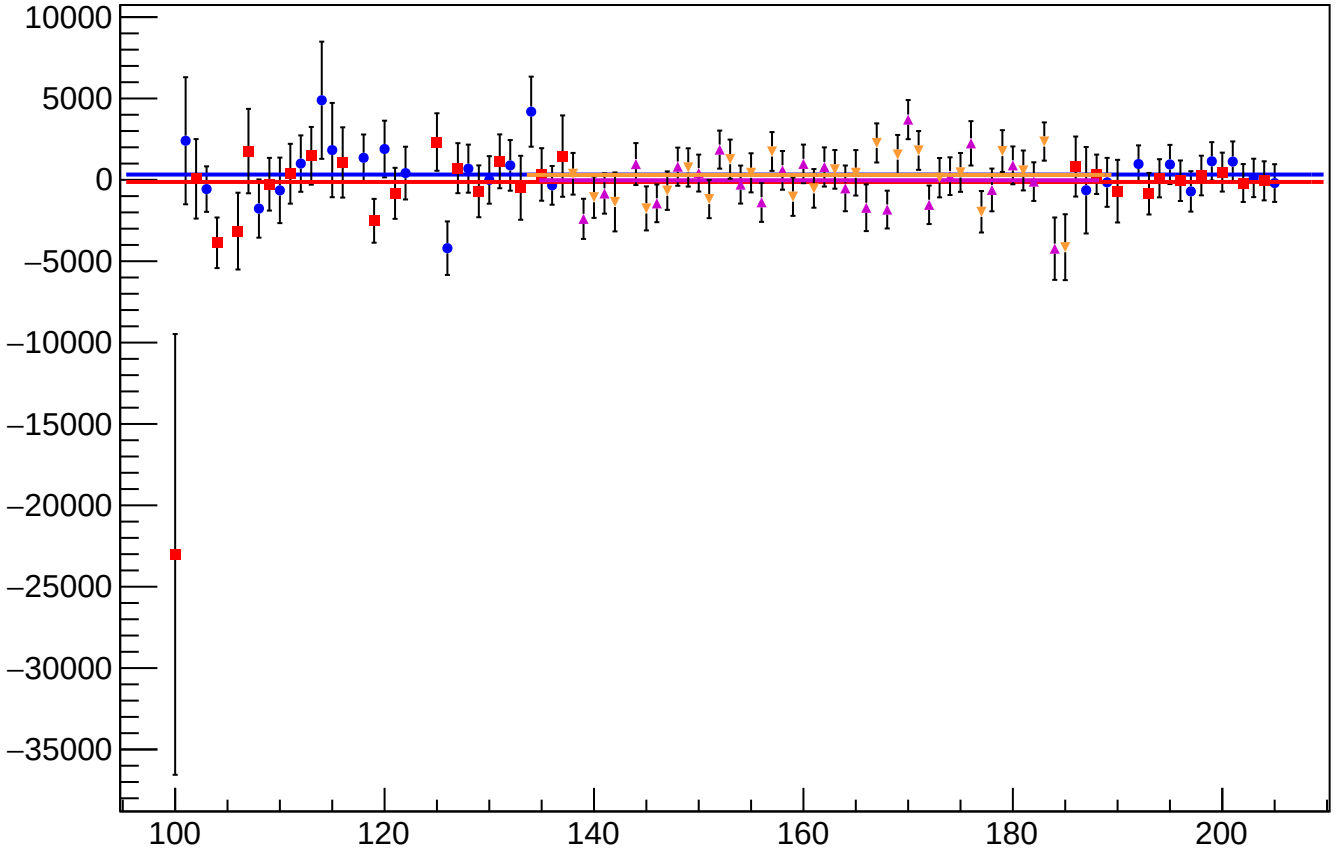
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 450.418+/-0.058 χ^2/NDF: 5274845.2/48

All: 454.489+/-0.042 χ^2/NDF: 11925397.1/99

- sign 458.707+/-0.059 χ^2/NDF: 6640659.9/50

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 325.210+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -129.828+/-295.848 χ^2/NDF: 20.1/27

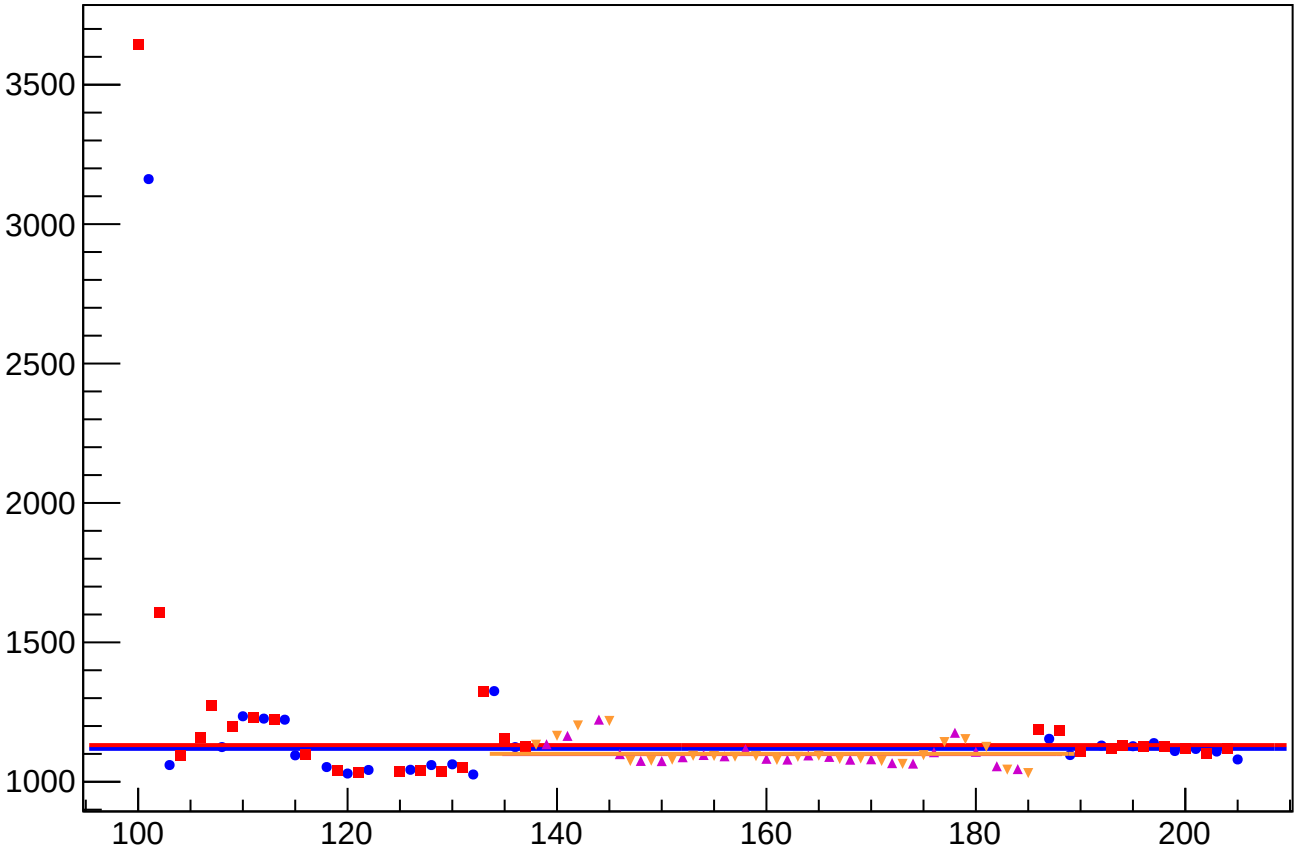
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 312.526+/-194.900 χ^2/NDF: 48.1/48

All: 120.218+/-137.482 χ^2/NDF: 106.1/99

- sign -70.240+/-193.960 χ^2/NDF: 56.0/50

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.169+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

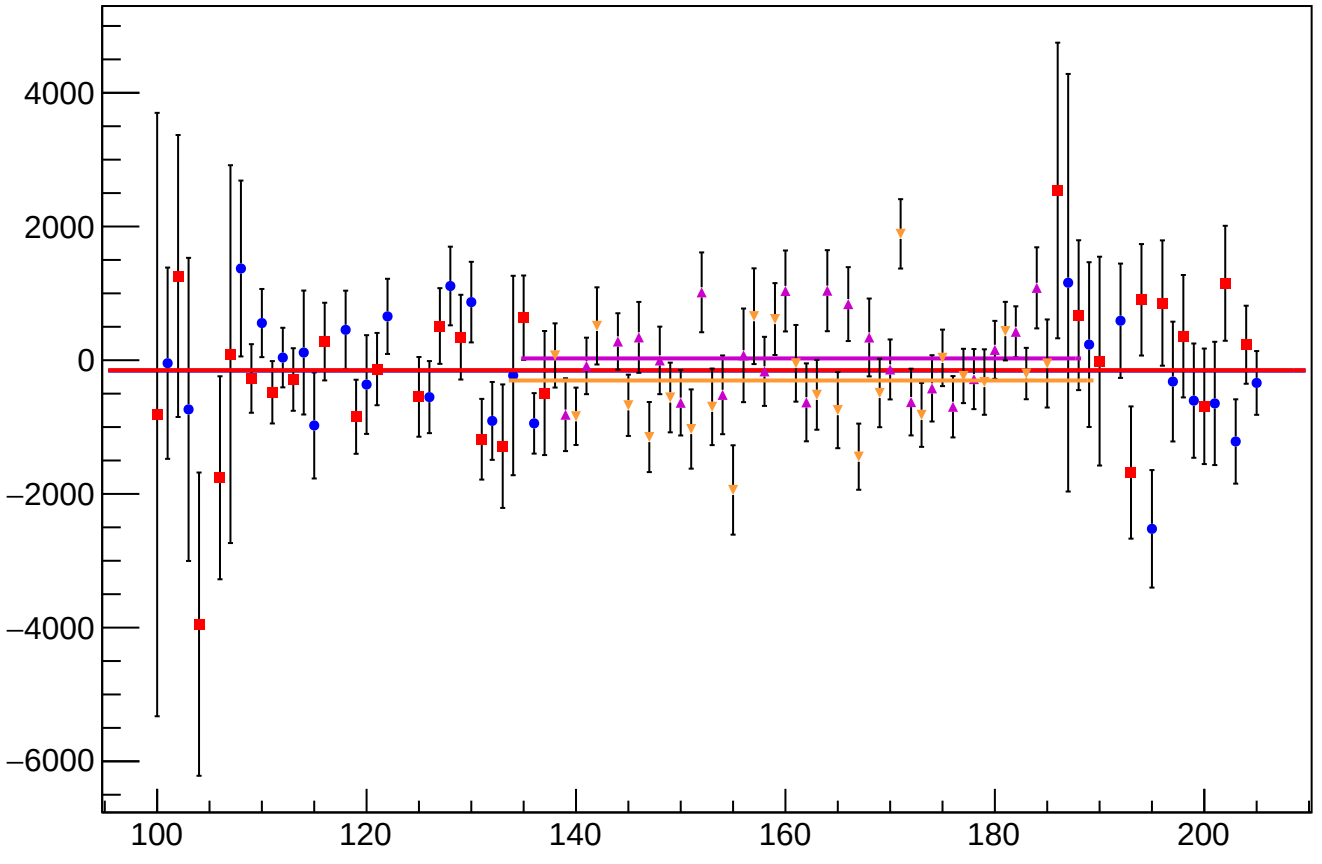
Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.6/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1107.751+/-0.138 χ^2/NDF: 674089.8/48

All: 1110.486+/-0.097 χ^2/NDF: 968569.3/99

- sign 1113.194+/-0.137 χ^2/NDF: 293695.9/50



Right In: -155.561+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

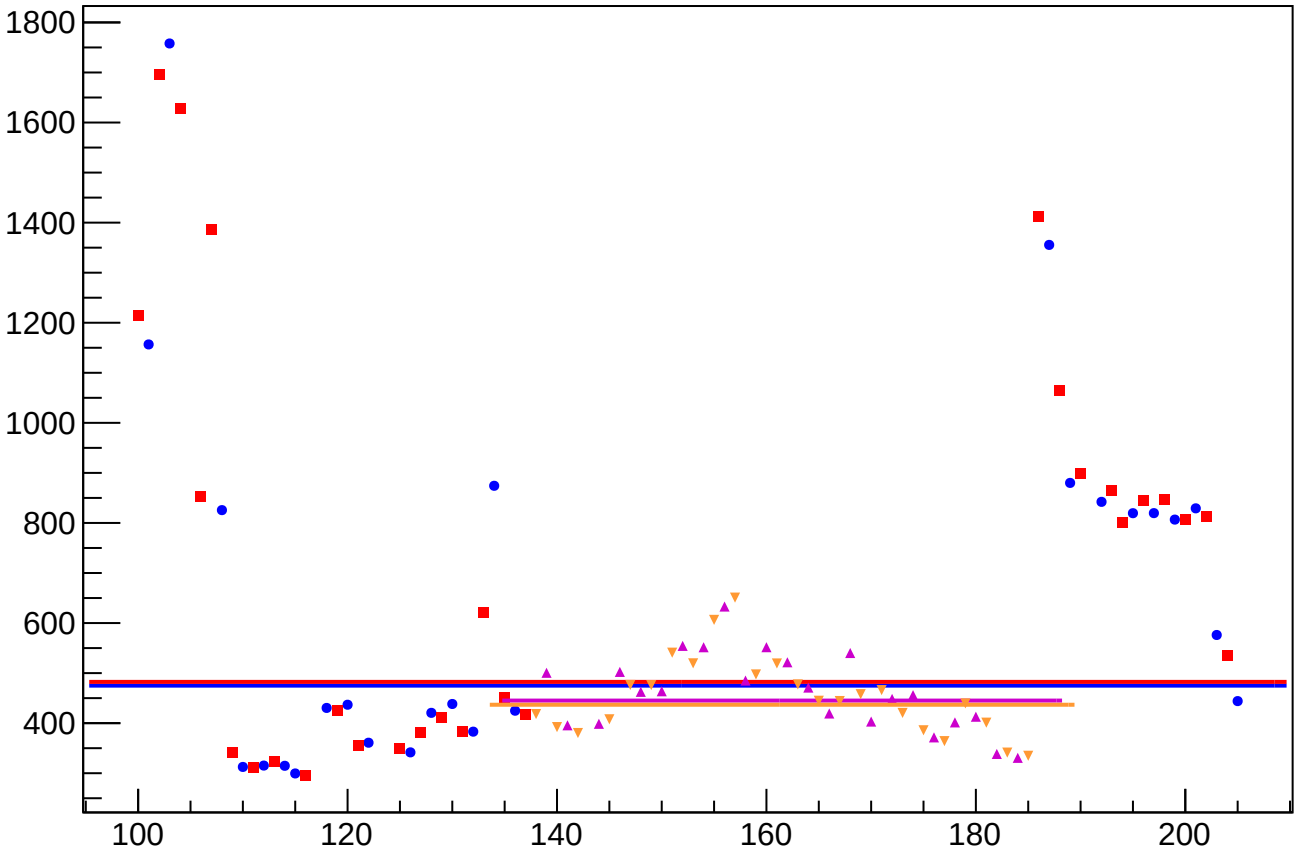
Right Out: -149.301+/-139.386 χ^2/NDF: 26.3/27

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -250.540+/-82.592 χ^2/NDF: 82.9/48

All: -145.833+/-58.921 χ^2/NDF: 141.3/99

- sign -37.317+/-84.081 χ^2/NDF: 55.2/50



Right In: 474.993+/-0.098 χ^2/NDF: 4321452.2/24

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 482.476+/-0.099 χ^2/NDF: 5674732.2/27

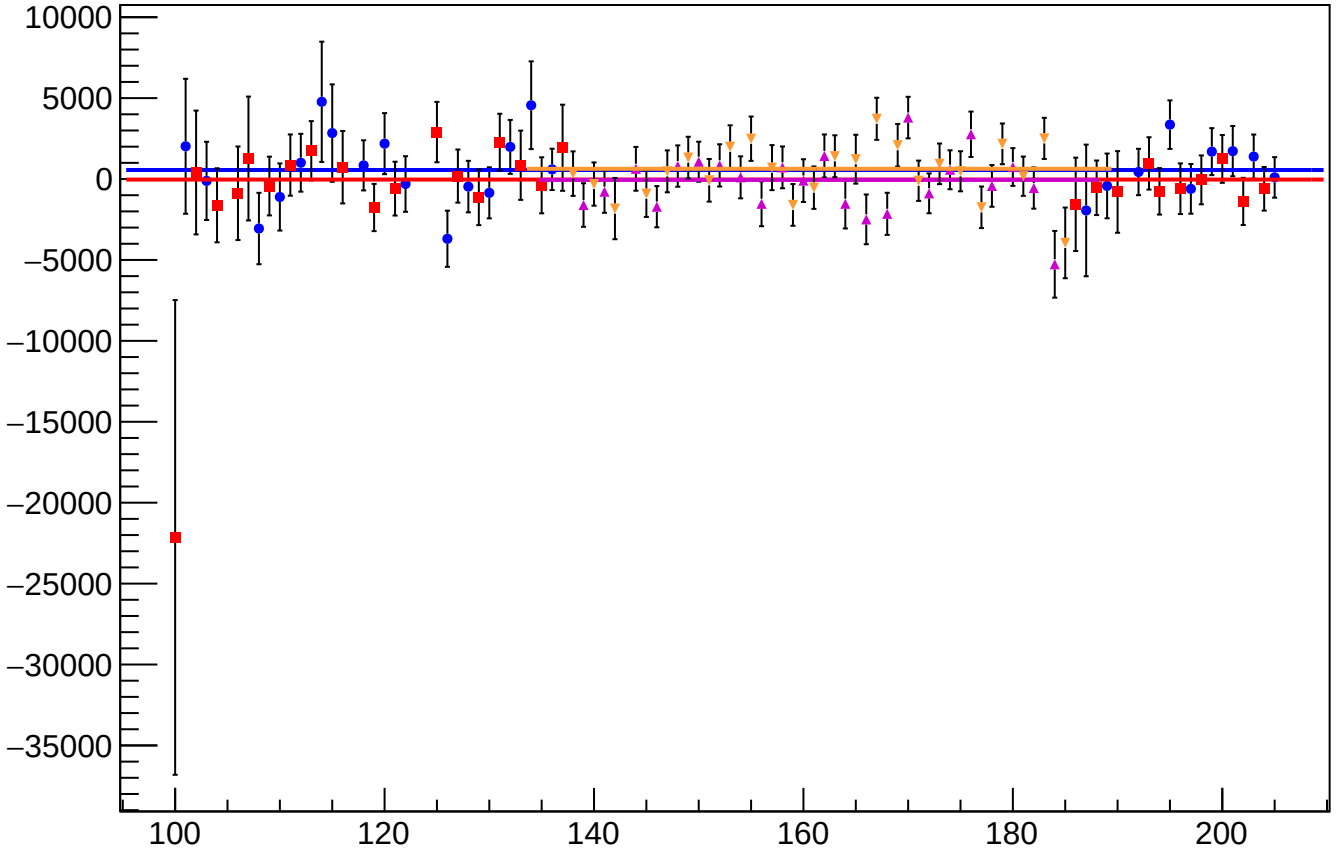
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 450.417+/-0.058 χ^2/NDF: 5274901.5/48

All: 454.487+/-0.042 χ^2/NDF: 11925533.2/99

- sign 458.706+/-0.059 χ^2/NDF: 6640740.0/50

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 557.389+/-349.758 χ^2/NDF: 23.0/24

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -32.633+/-349.096 χ^2/NDF: 14.2/27

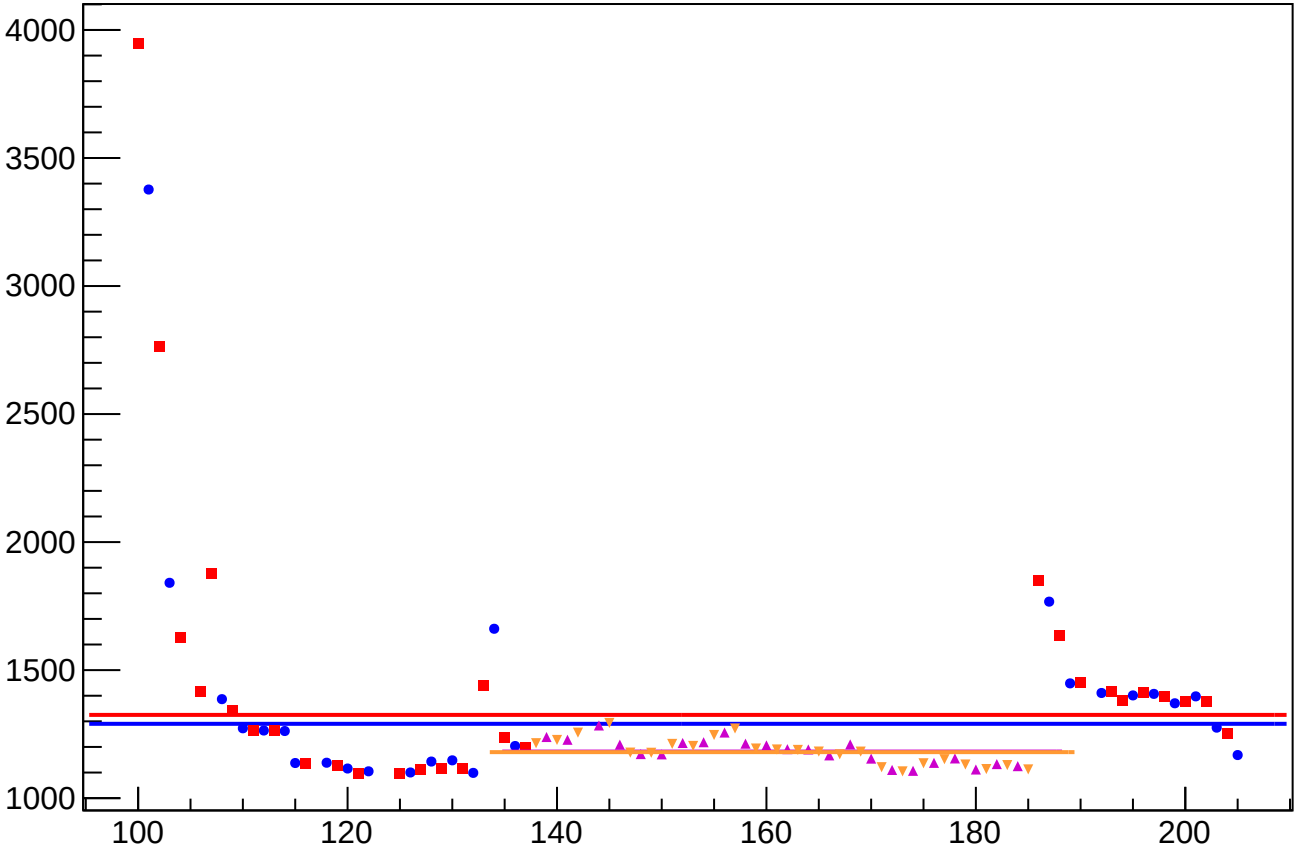
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 604.159+/-215.723 χ^2/NDF: 53.2/48

All: 281.495+/-152.852 χ^2/NDF: 106.9/99

- sign -43.827+/-216.610 χ^2/NDF: 49.2/50

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1290.308+/-0.247 χ^2/NDF: 916587.1/24

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

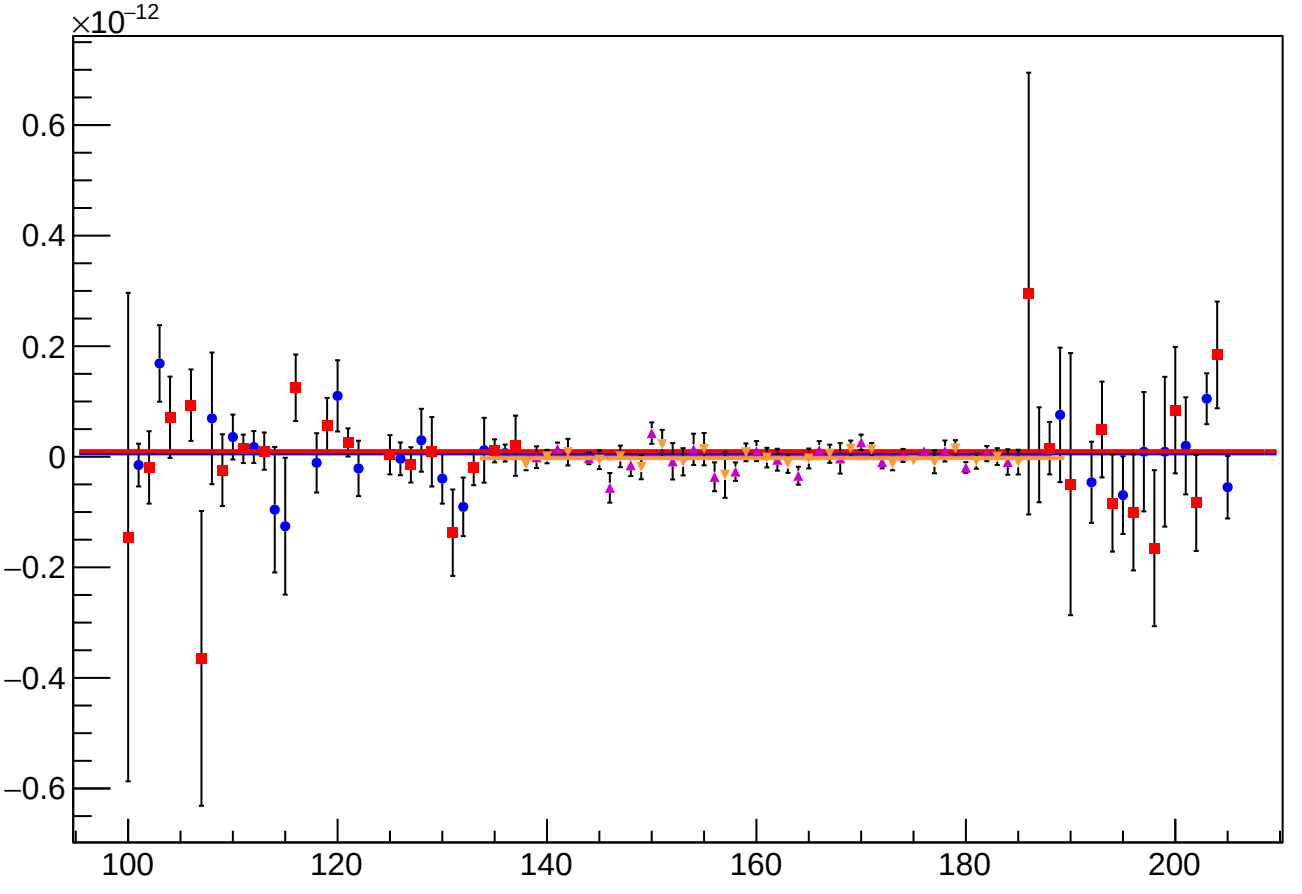
Right Out: 1325.137+/-0.247 χ^2/NDF: 826991.6/27

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1221.785+/-0.153 χ^2/NDF: 1105152.0/48

All: 1229.394+/-0.108 χ^2/NDF: 2204484.3/99

\- sign 1237.065+/-0.153 χ^2/NDF: 1094335.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

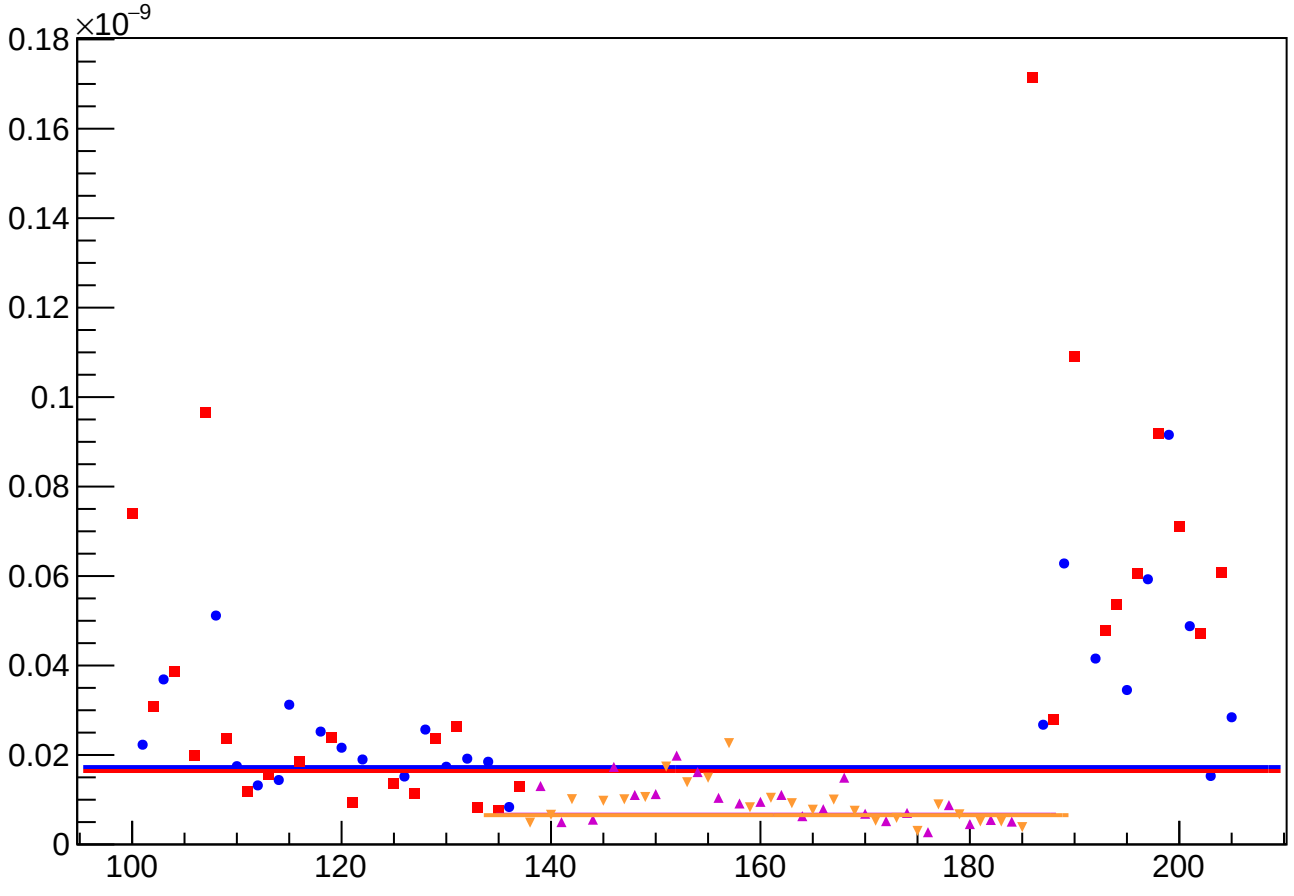
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/27

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/48

All: -0.000+/-0.000 χ^2/NDF: 94.1/99

- sign 0.000+/-0.000 χ^2/NDF: 58.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 3097469.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

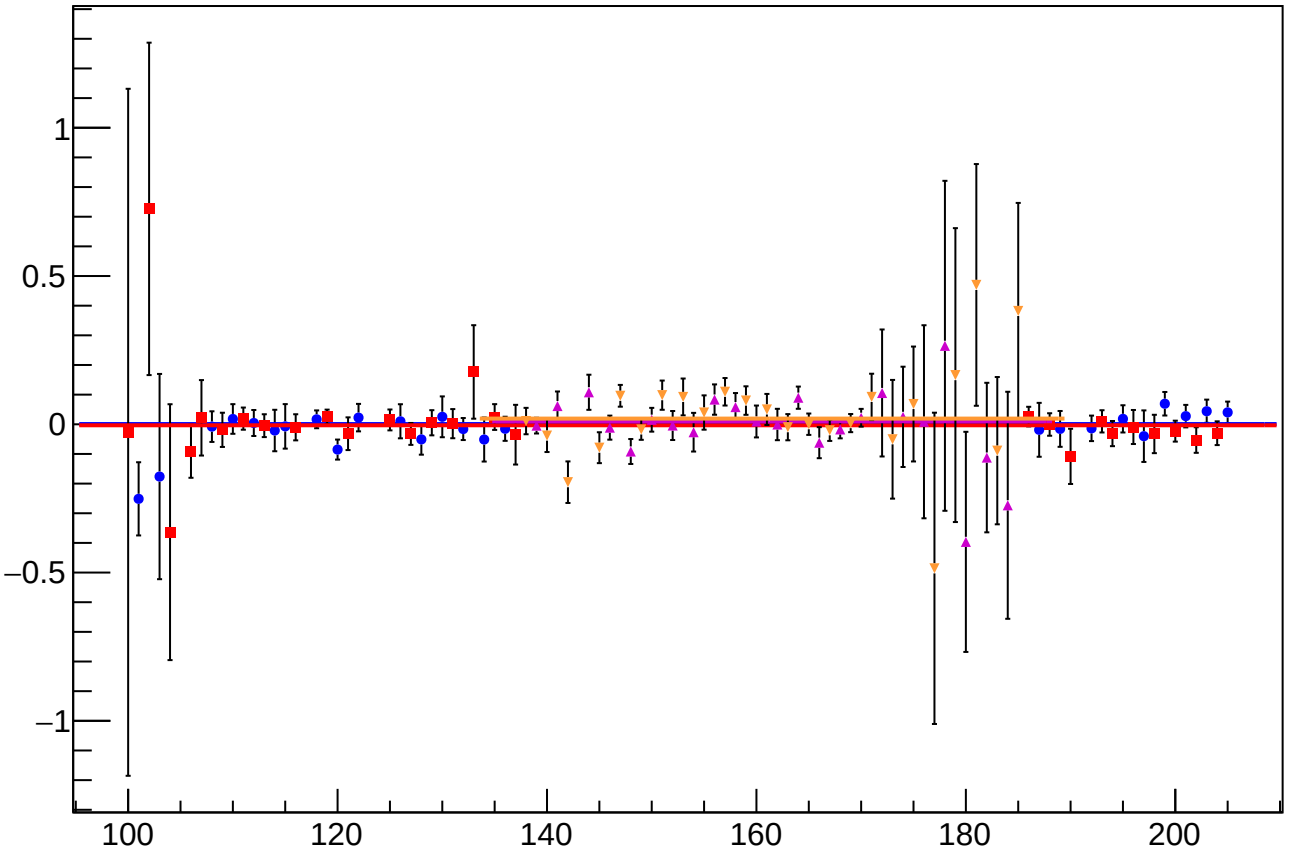
Right Out: 0.000+/-0.000 χ^2/NDF: 4832622.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8001362.2/48

All: 0.000+/-0.000 χ^2/NDF: 17523435.0/99

- sign 0.000+/-0.000 χ^2/NDF: 9521809.8/50



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

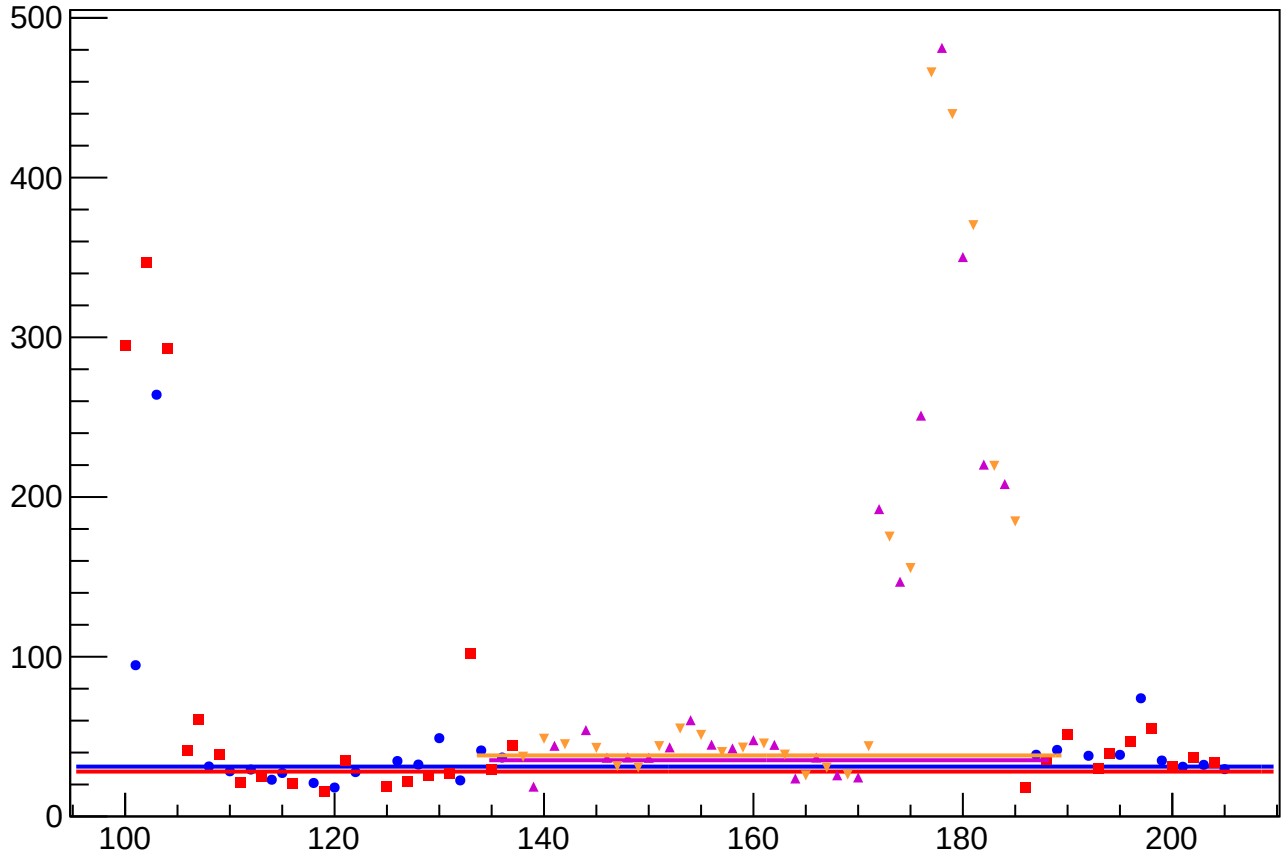
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.005+/-0.005 χ^2/NDF: 96.0/99

- sign 0.002+/-0.007 χ^2/NDF: 37.8/50



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

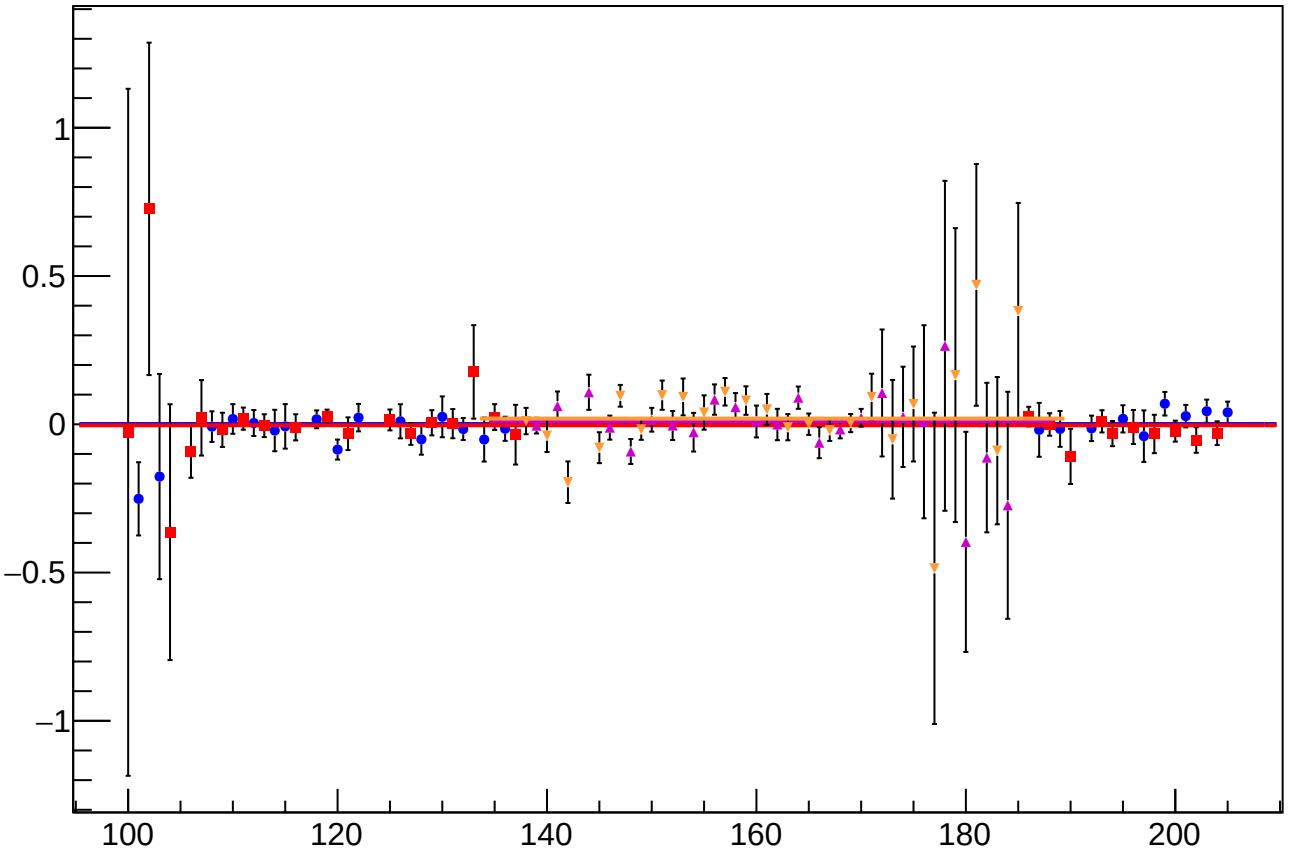
Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786690.6/48

All: 32.560+/-0.003 χ^2/NDF: 26331123.4/99

- sign 31.073+/-0.005 χ^2/NDF: 14327756.4/50



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

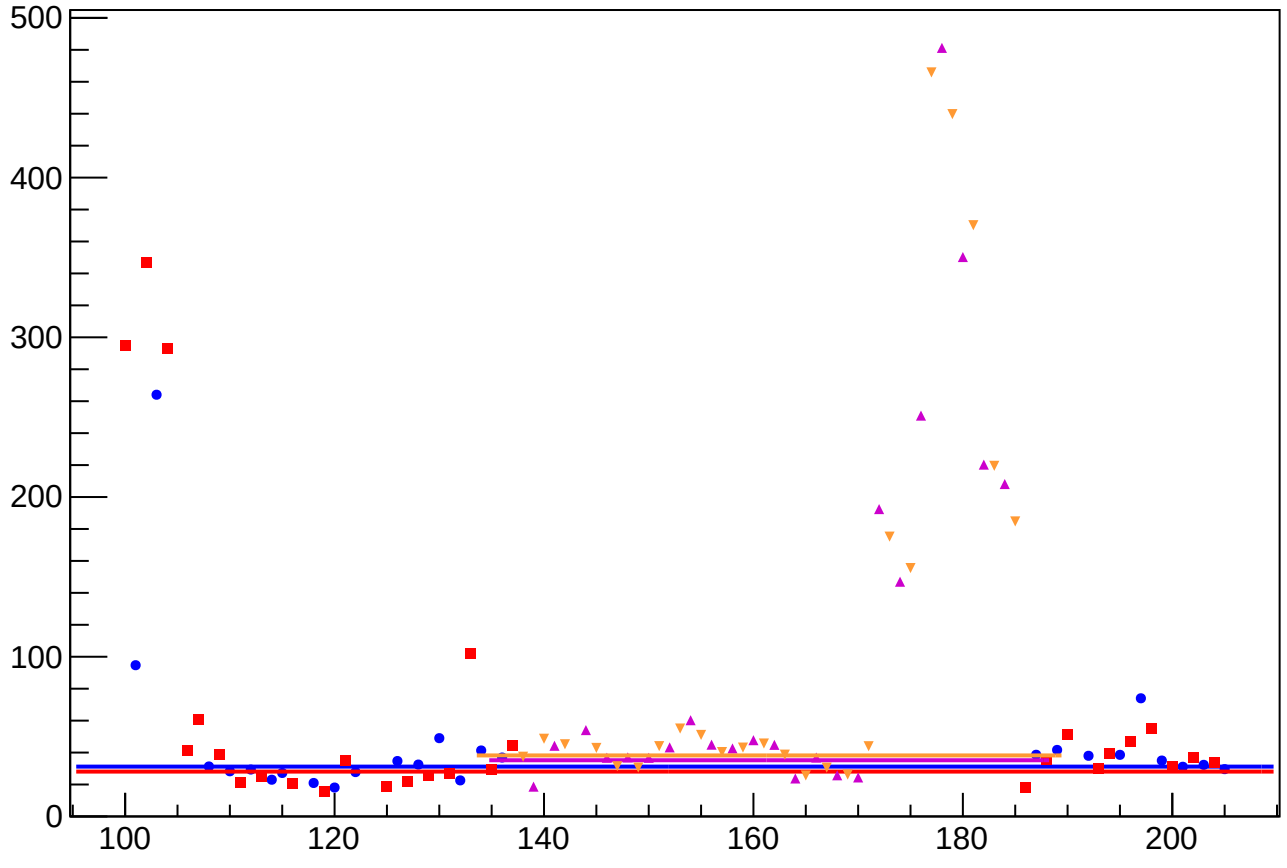
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.005+/-0.005 χ^2/NDF: 96.0/99

- sign 0.002+/-0.007 χ^2/NDF: 37.8/50



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

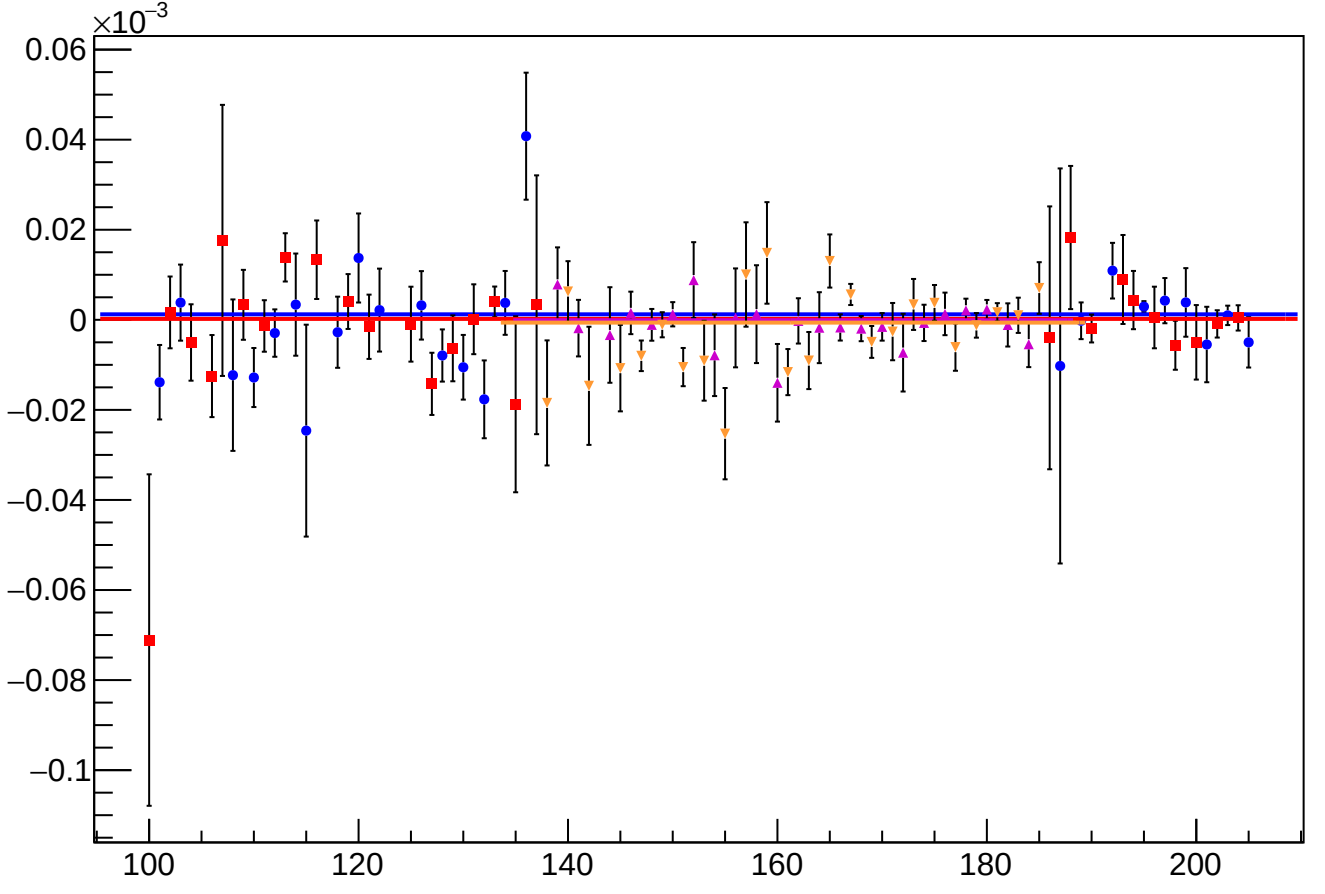
Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786690.6/48

All: 32.560+/-0.003 χ^2/NDF: 26331123.4/99

- sign 31.073+/-0.005 χ^2/NDF: 14327756.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

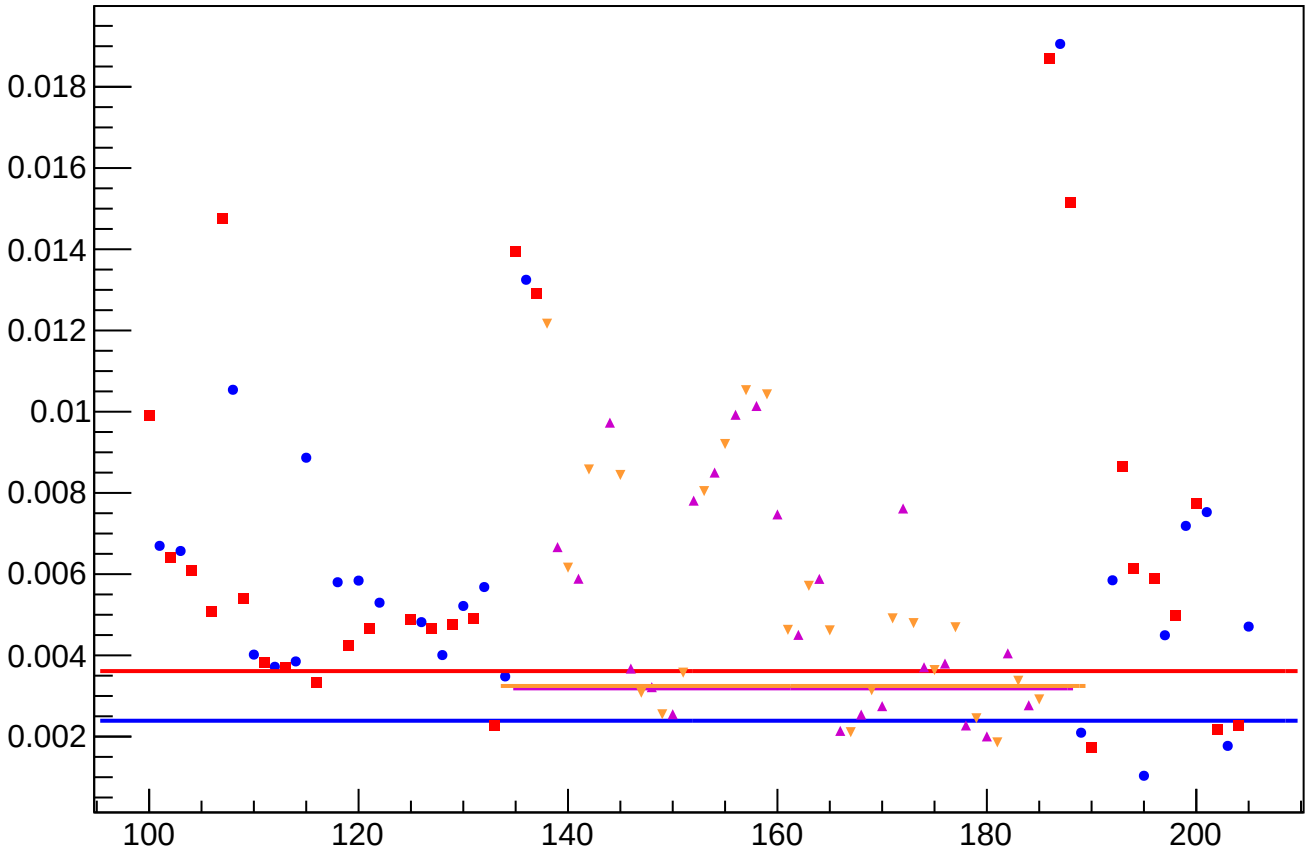
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/27

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.8/48

All: 0.000+/-0.000 χ^2/NDF: 129.9/99

- sign 0.000+/-0.000 χ^2/NDF: 39.0/50



Right In: 0.002+/-0.000 χ^2/NDF: 10743773.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

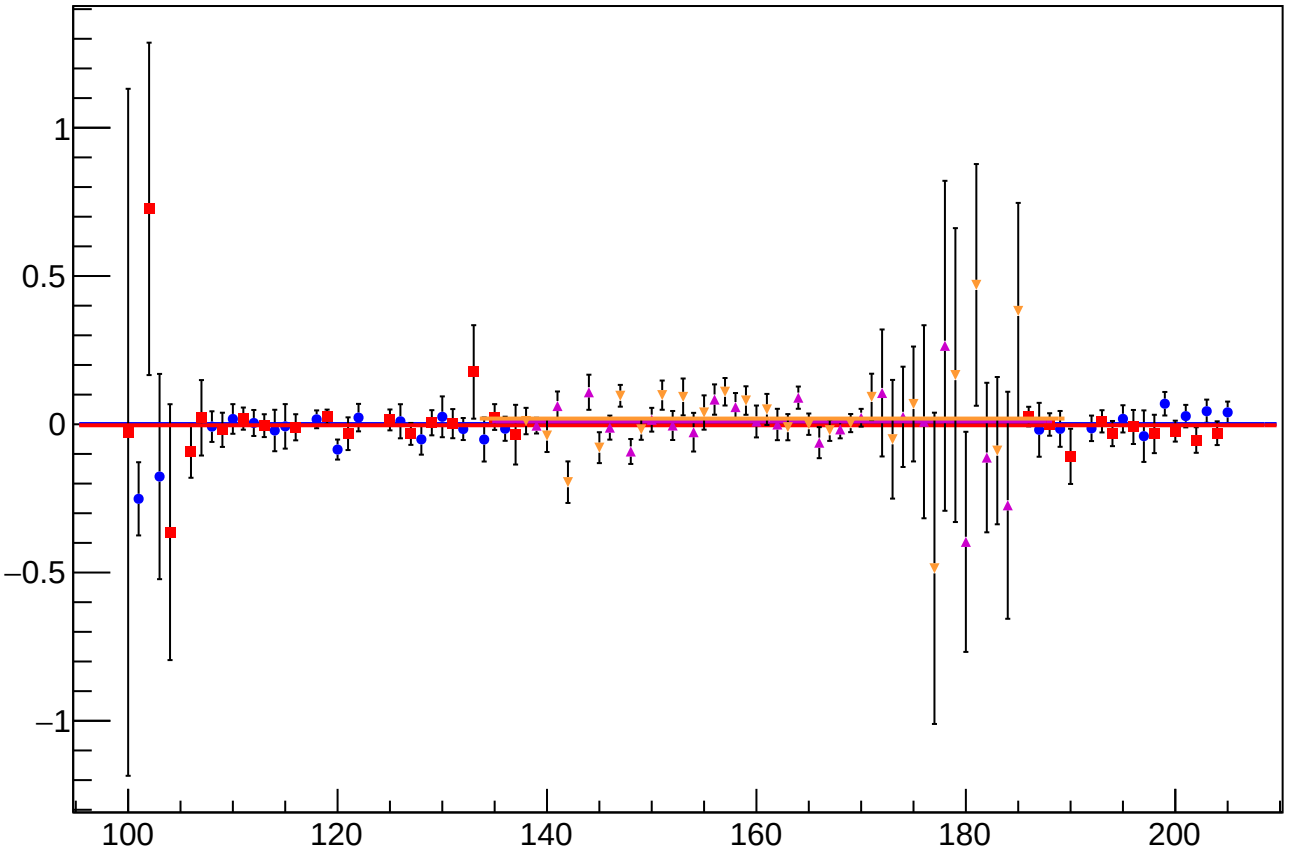
Right Out: 0.004+/-0.000 χ^2/NDF: 7157309.2/27

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 19454011.3/48

All: 0.003+/-0.000 χ^2/NDF: 34747276.9/99

- sign 0.003+/-0.000 χ^2/NDF: 14640465.7/50



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

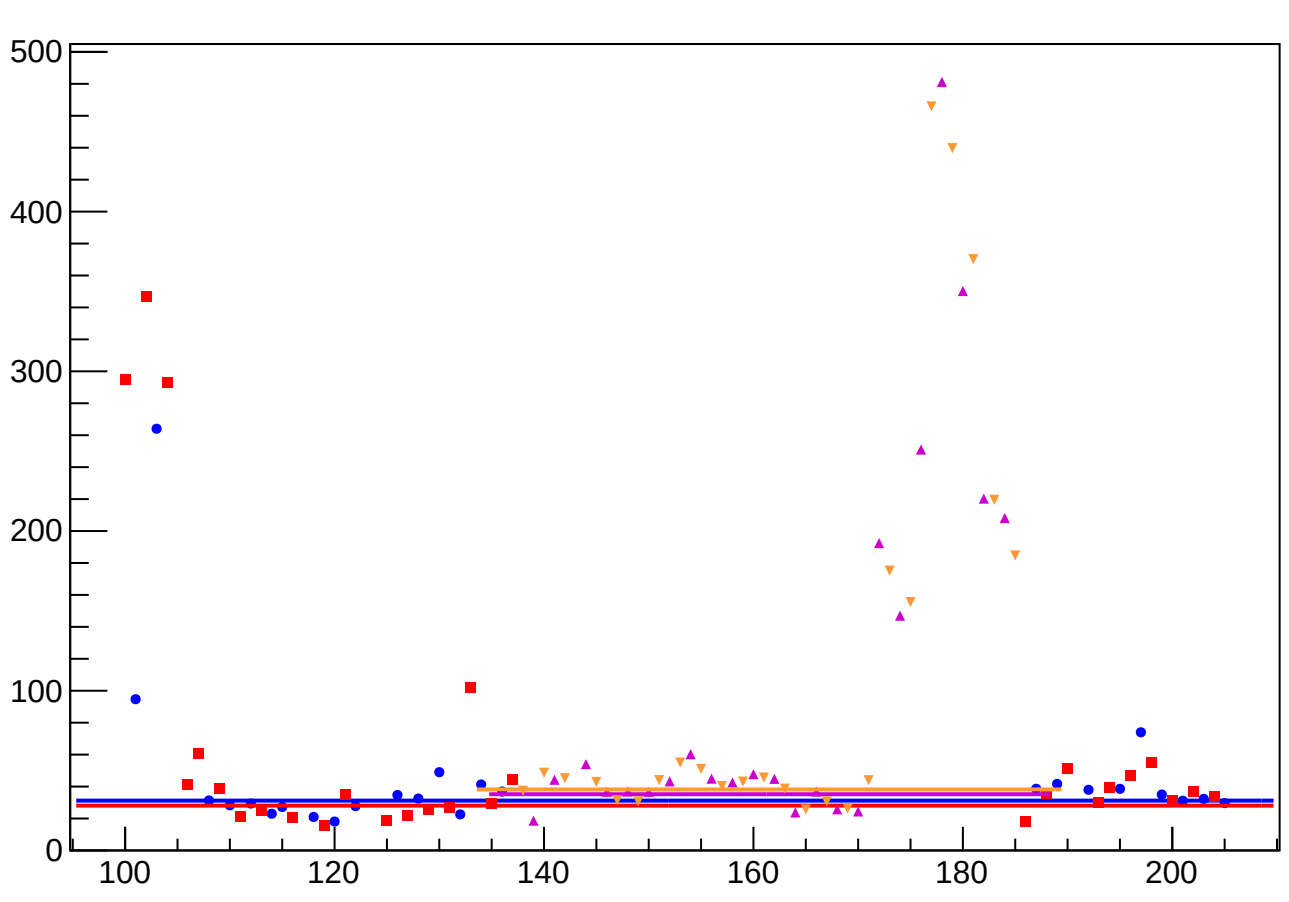
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.005+/-0.005 χ^2/NDF: 96.0/99

- sign 0.002+/-0.007 χ^2/NDF: 37.9/50



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

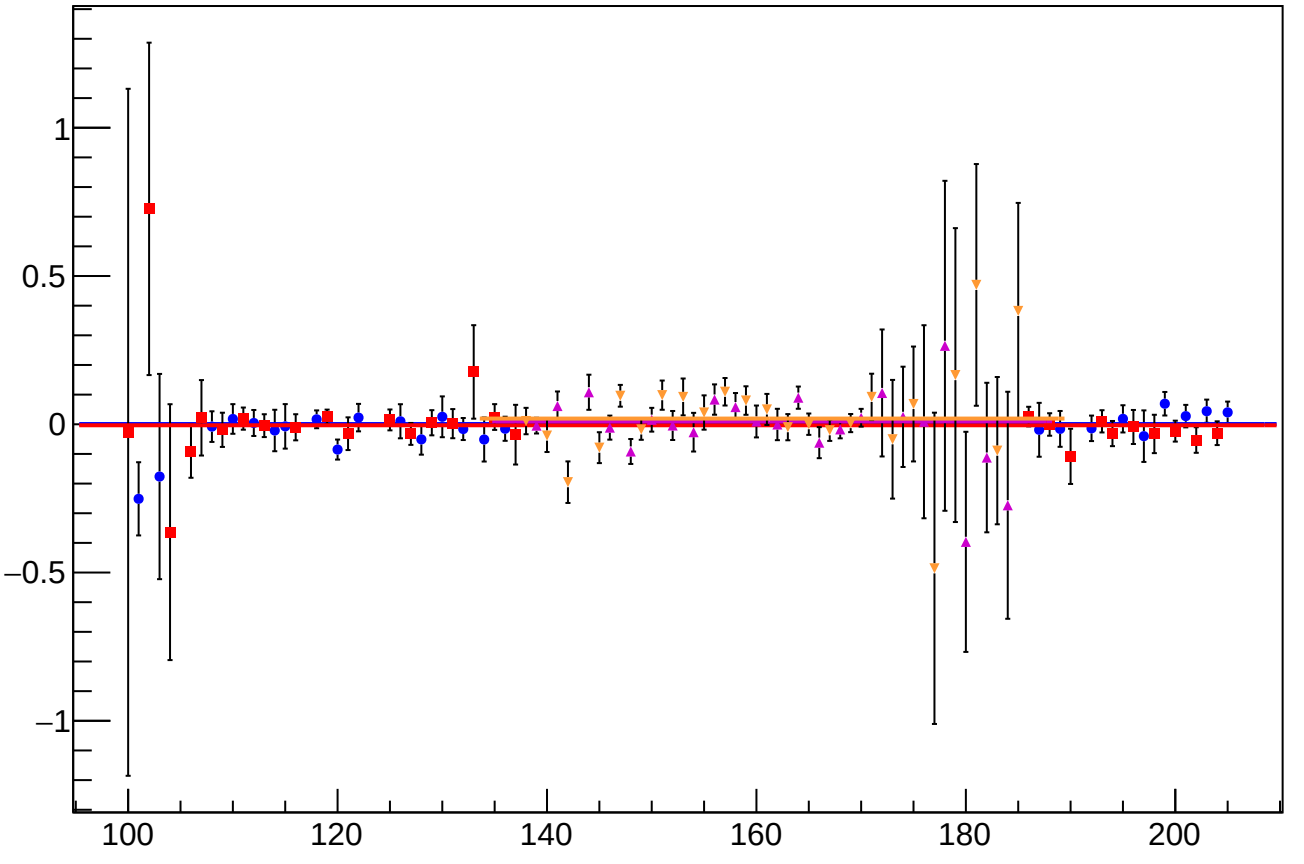
Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786966.7/48

All: 32.559+/-0.003 χ^2/NDF: 26332678.2/99

- sign 31.071+/-0.005 χ^2/NDF: 14328898.3/50



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

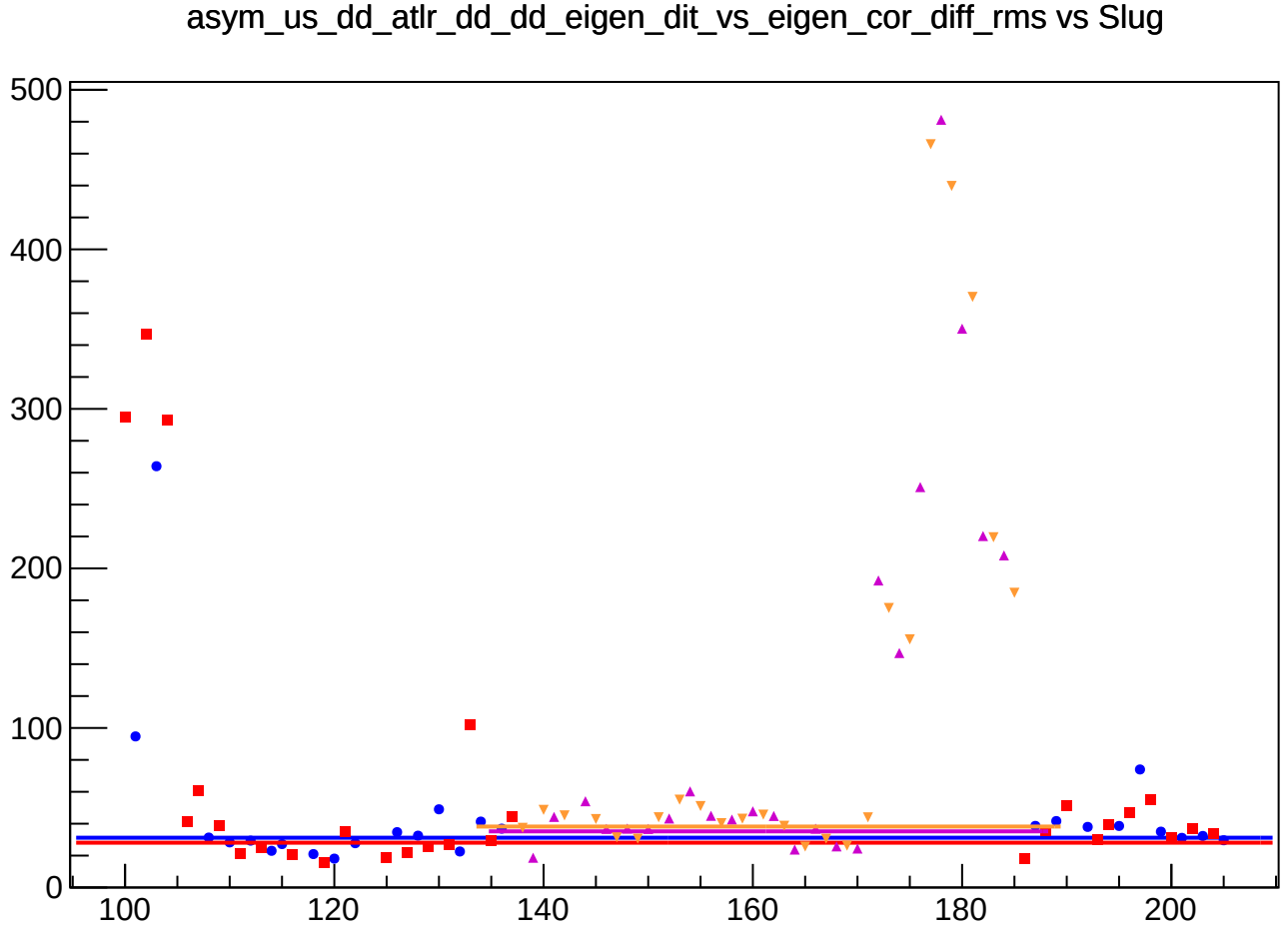
Right Out: -0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.005+/-0.005 χ^2/NDF: 96.0/99

- sign 0.002+/-0.007 χ^2/NDF: 37.9/50



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

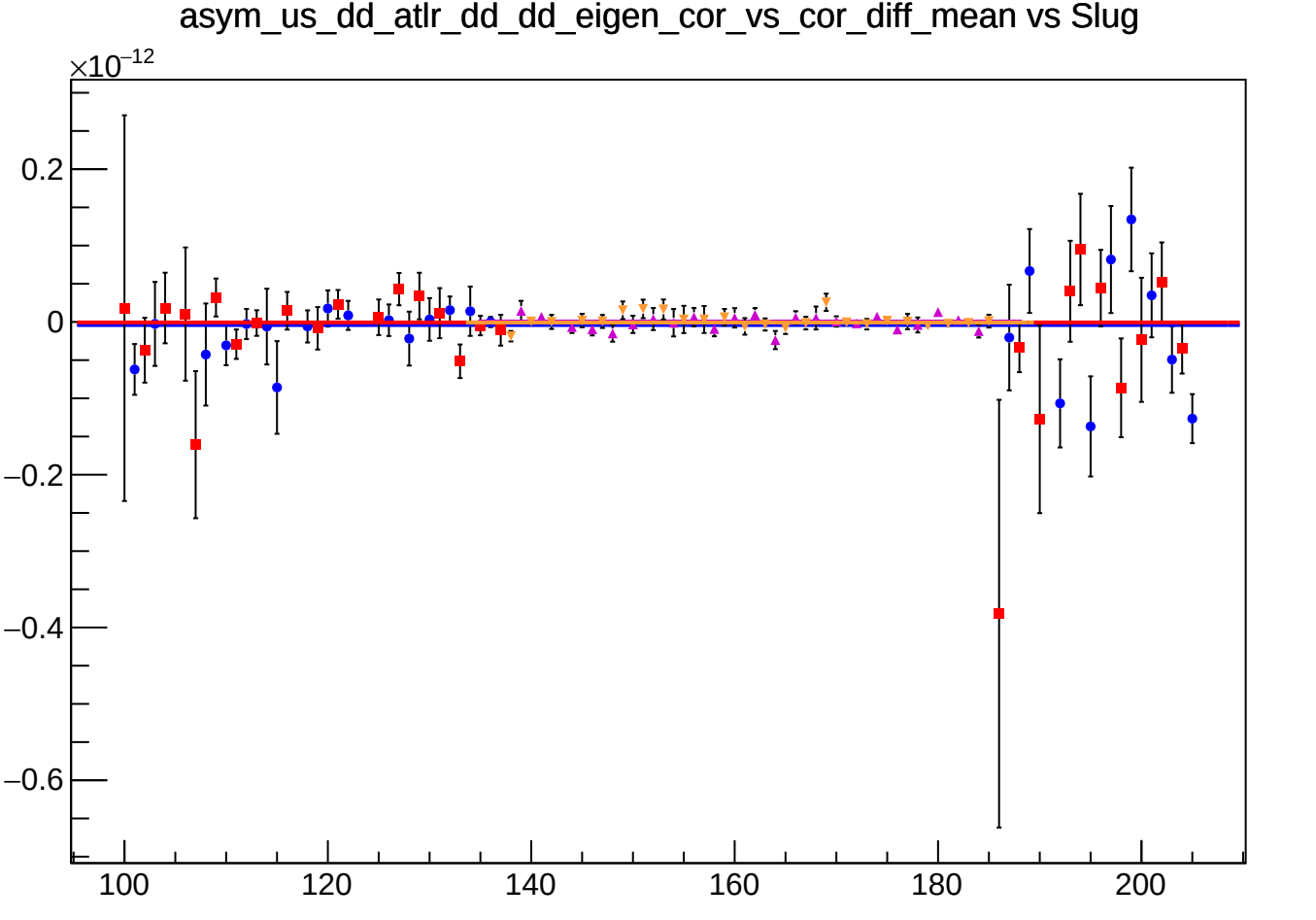
Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786966.7/48

All: 32.559+/-0.003 χ^2/NDF: 26332678.2/99

- sign 31.071+/-0.005 χ^2/NDF: 14328898.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 40.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

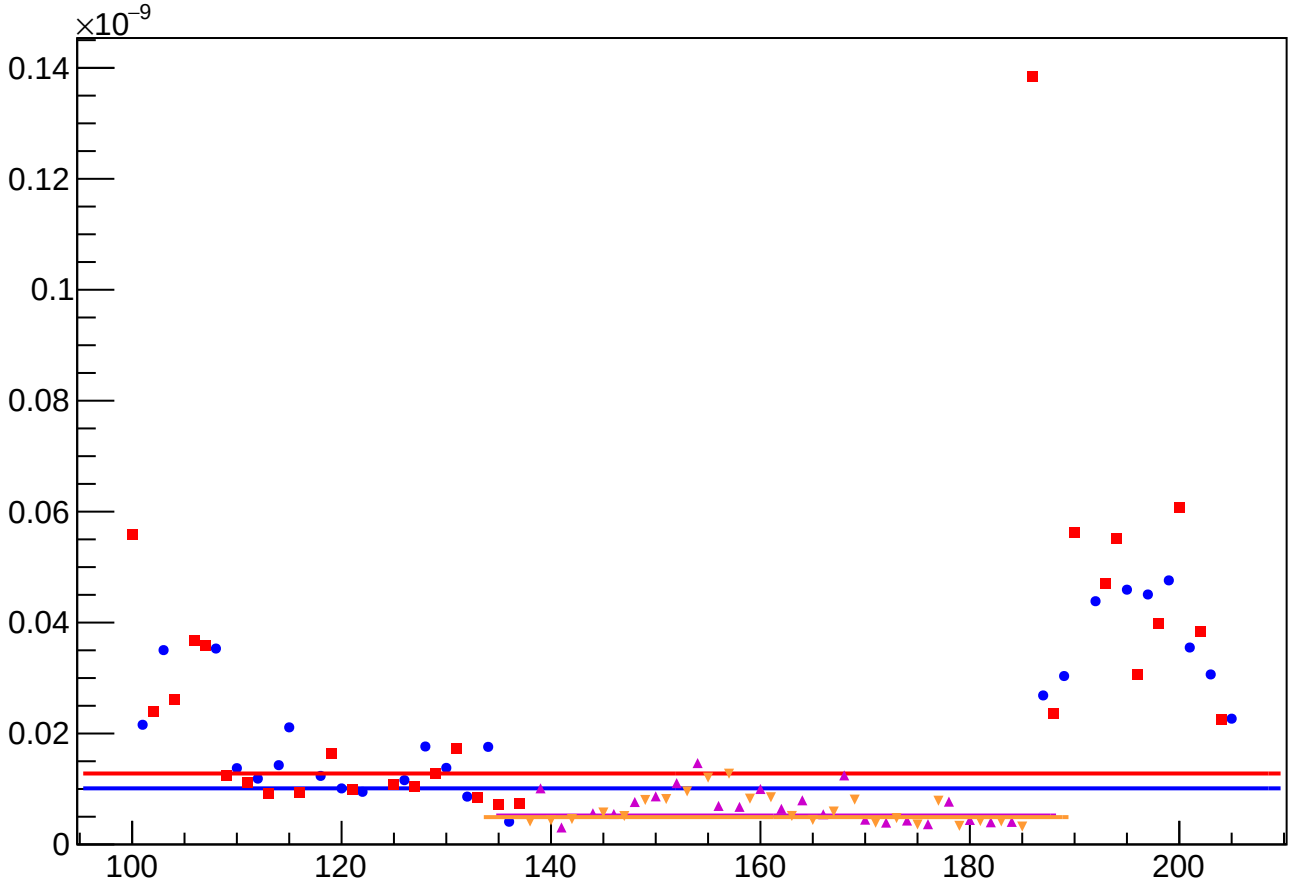
Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/27

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.2/48

All: -0.000+/-0.000 χ^2/NDF: 120.7/99

- sign 0.000+/-0.000 χ^2/NDF: 58.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 6930288.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

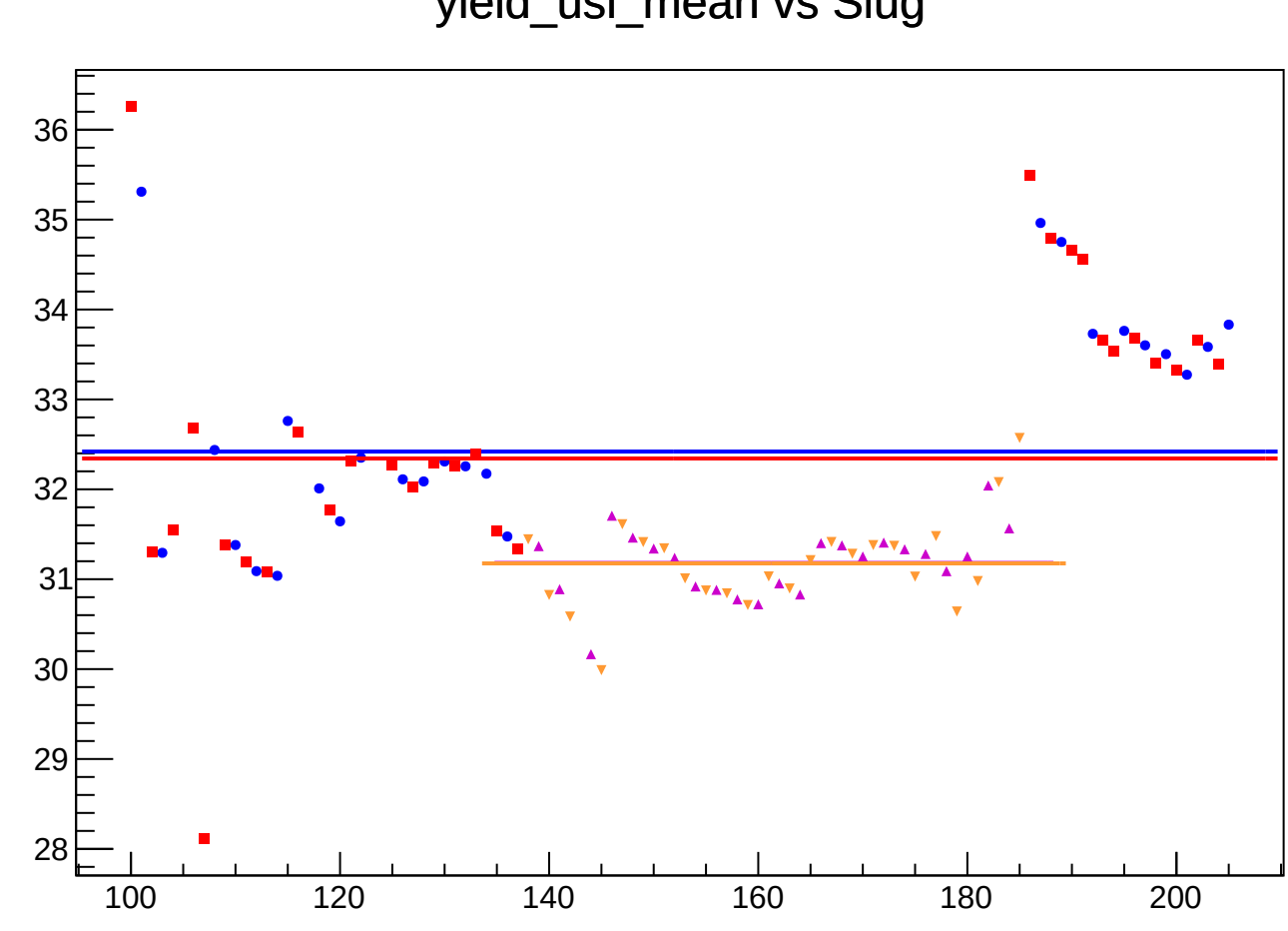
Right Out: 0.000+/-0.000 χ^2/NDF: 5567485.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11833140.6/48

All: 0.000+/-0.000 χ^2/NDF: 24607015.7/99

- sign 0.000+/-0.000 χ^2/NDF: 12704048.7/50



Right In: 32.420+/-0.000 χ^2/NDF: 1802216470.8/24

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.343+/-0.000 χ^2/NDF: 1786084091.2/28

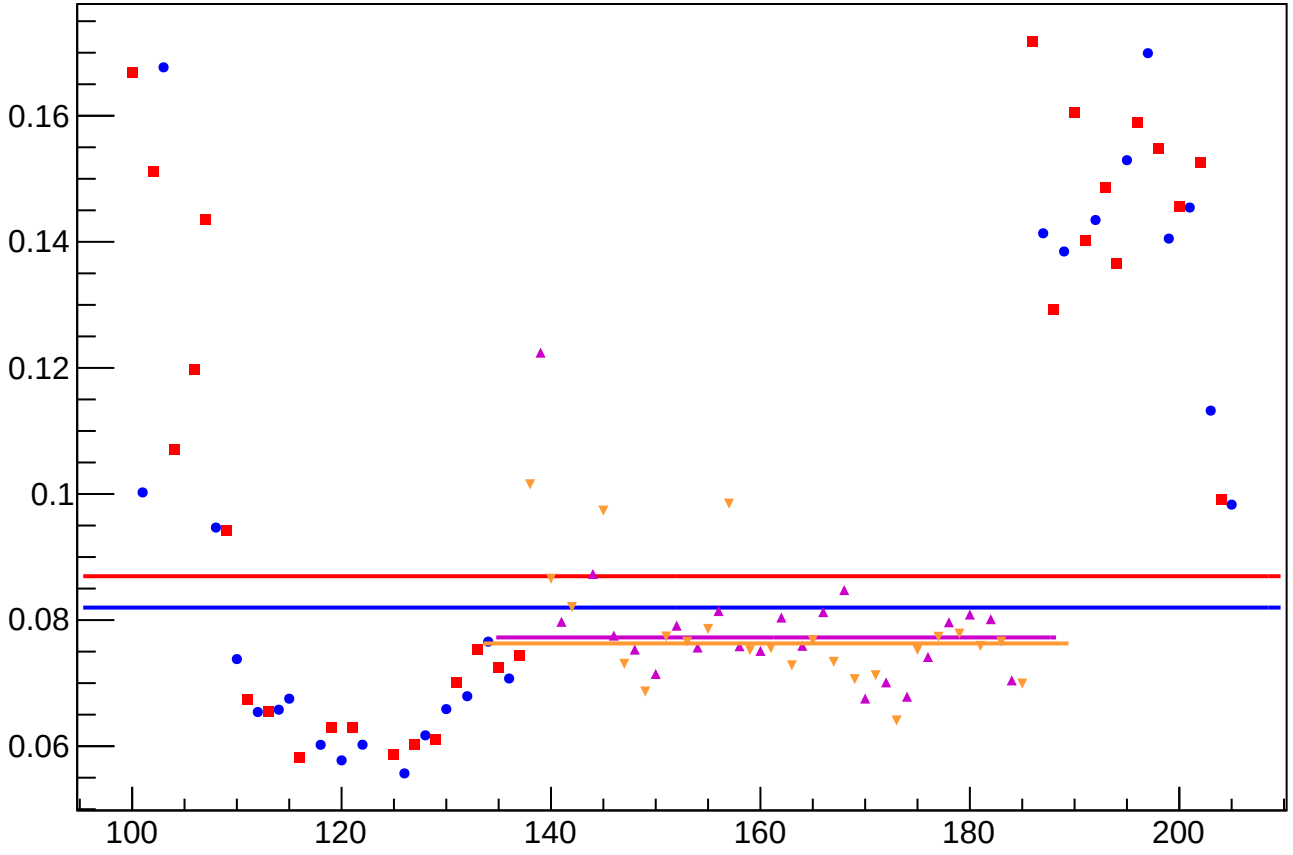
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.640+/-0.000 χ^2/NDF: 3994066590.7/48

All: 31.627+/-0.000 χ^2/NDF: 7551072388.7/1

- sign 31.613+/-0.000 χ^2/NDF: 3555431765.2/51

yield_usl_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 3342182.2/24

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.087+/-0.000 χ^2/NDF: 3879054.5/28

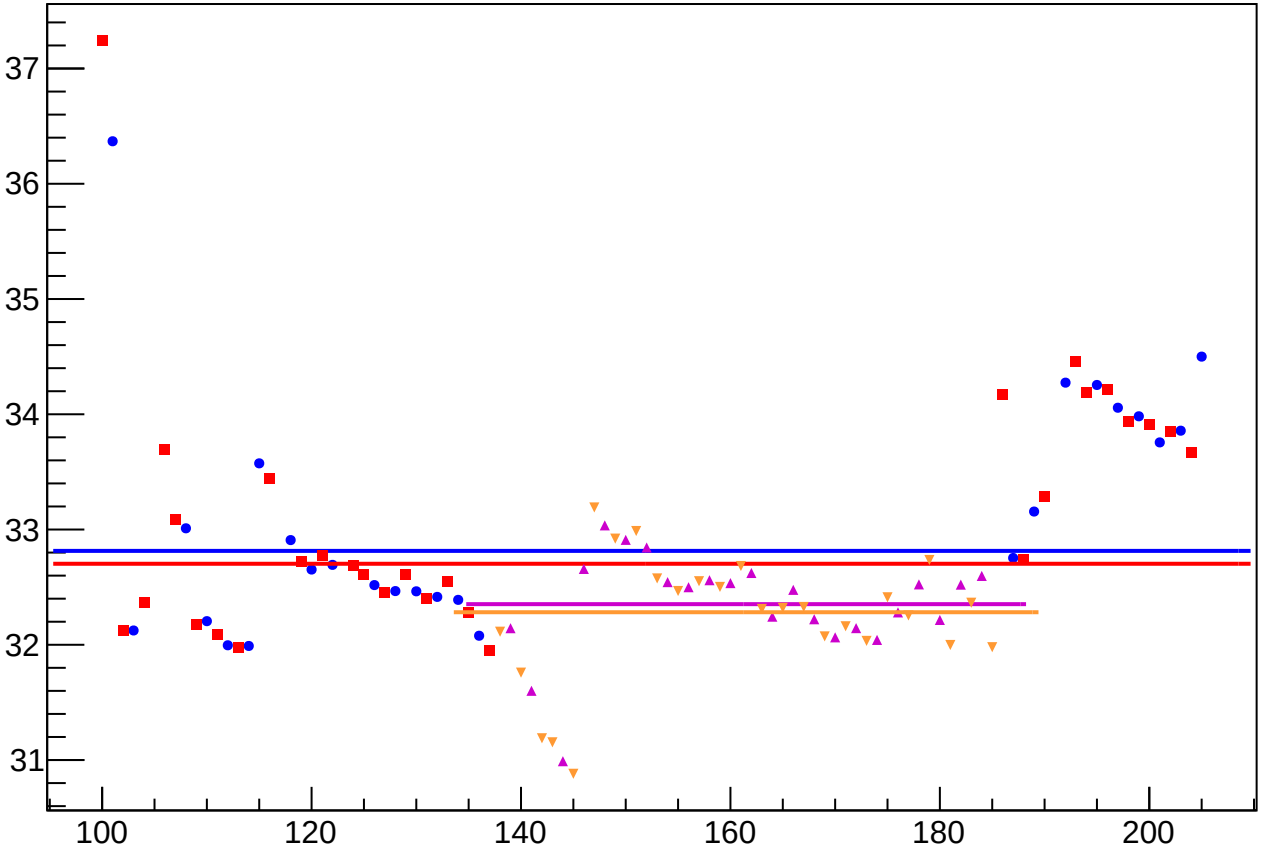
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.078+/-0.000 χ^2/NDF: 3768357.8/48

All: 0.080+/-0.000 χ^2/NDF: 8233989.6/100

- sign 0.081+/-0.000 χ^2/NDF: 4438753.3/51

yield_usr_mean vs Slug



Right In: 32.815+/-0.000 χ^2/NDF: 980464329.1/24

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.703+/-0.000 χ^2/NDF: 451113452.5/28

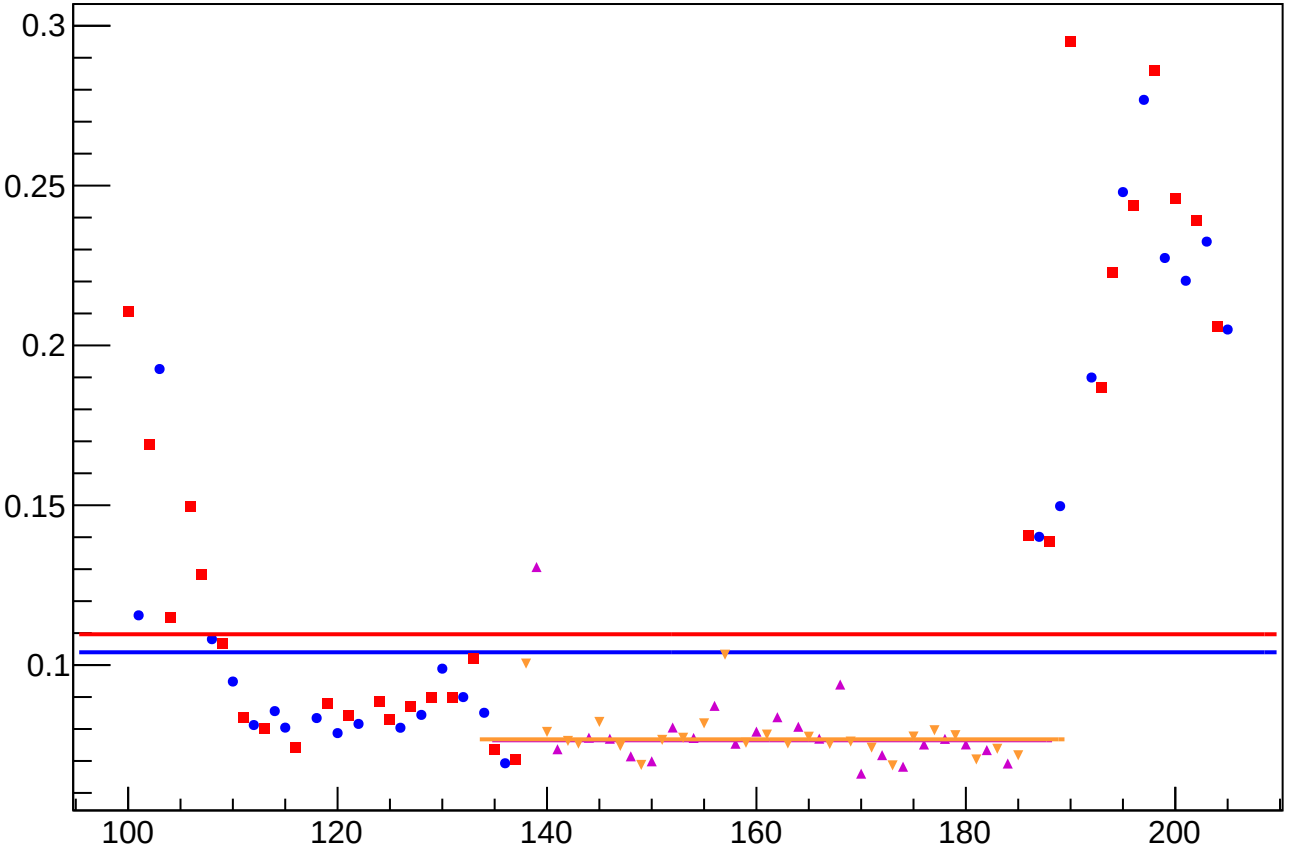
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.415+/-0.000 χ^2/NDF: 2030374996.3/49

All: 32.428+/-0.000 χ^2/NDF: 3162059780.8/1

- sign 32.441+/-0.000 χ^2/NDF: 1130302982.6/51

yield_usr_rms vs Slug



Right In: 0.104+/-0.000 χ^2/NDF: 4634391.0/24

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.110+/-0.000 χ^2/NDF: 4788640.1/28

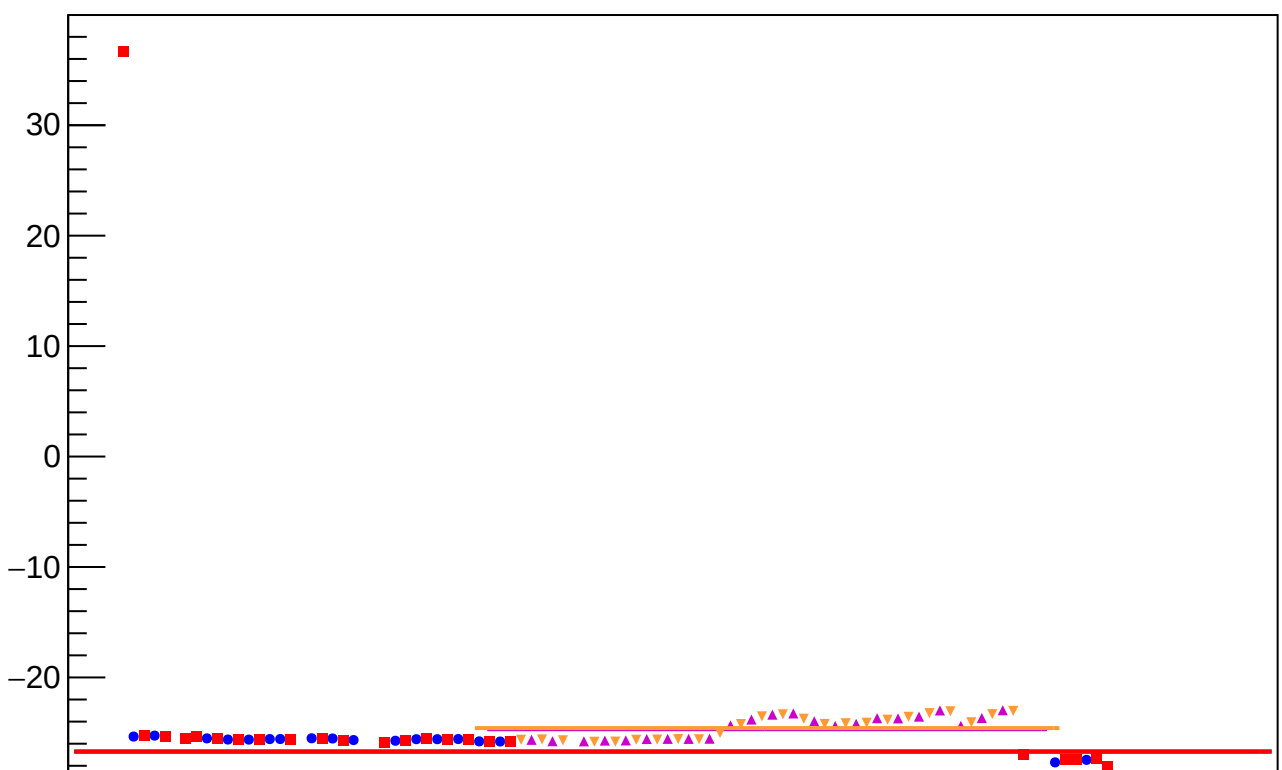
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 5989824.7/49

All: 0.084+/-0.000 χ^2/NDF: 12868897.0/101

- sign 0.085+/-0.000 χ^2/NDF: 6872207.7/51

yield_dsl_mean vs Slug



Right In: -26.705+/-0.000 χ^2/NDF: 17479497321.5/24

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.723+/-0.000 χ^2/NDF: 26130407599.0/28

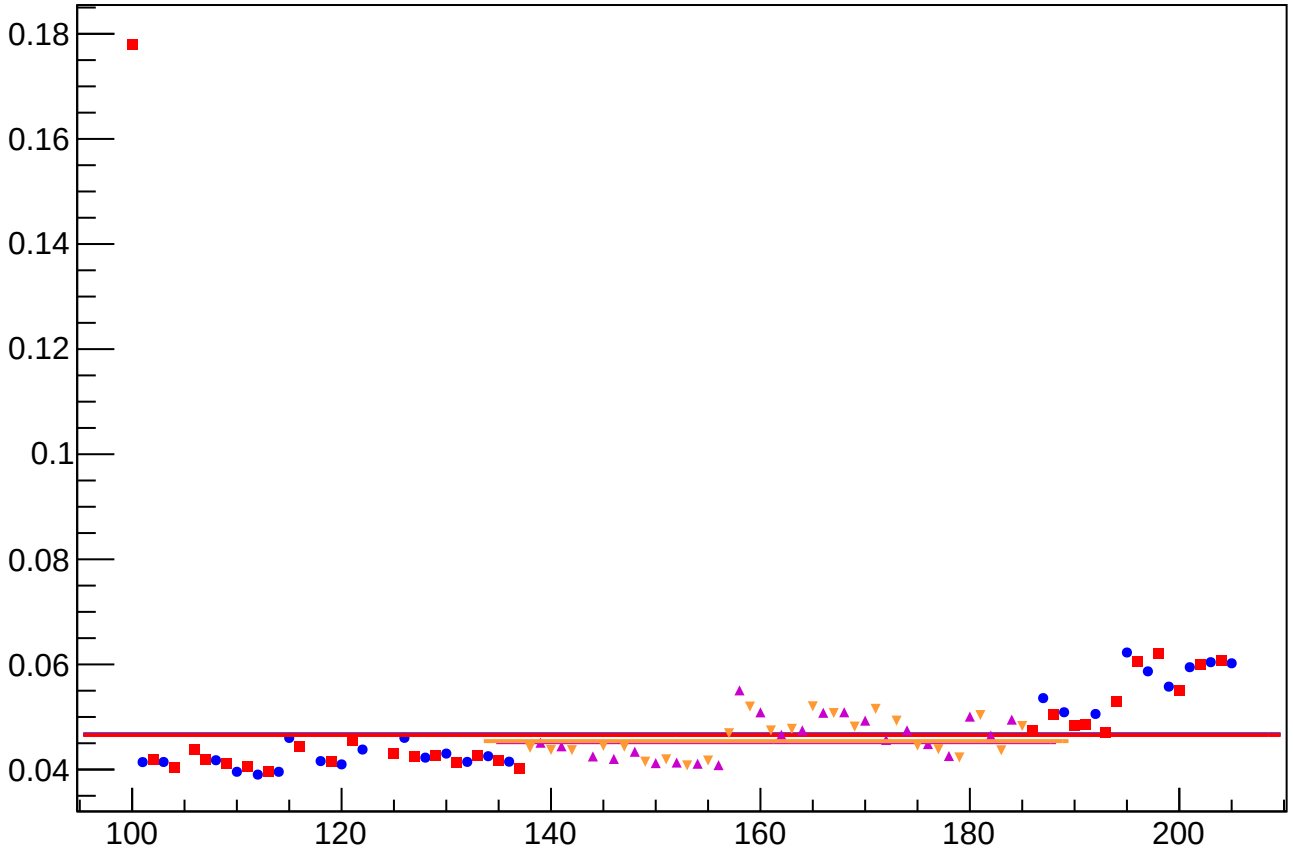
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.462+/-0.000 χ^2/NDF: 42833714325.4/48

All: -25.520+/-0.000 χ^2/NDF: 93604453336.5

- sign -25.576+/-0.000 χ^2/NDF: 50672885734.7/51

yield_dsl_rms vs Slug



Right In: 0.047+/-0.000 χ^2/NDF: 703180.1/24

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 716172.2/28

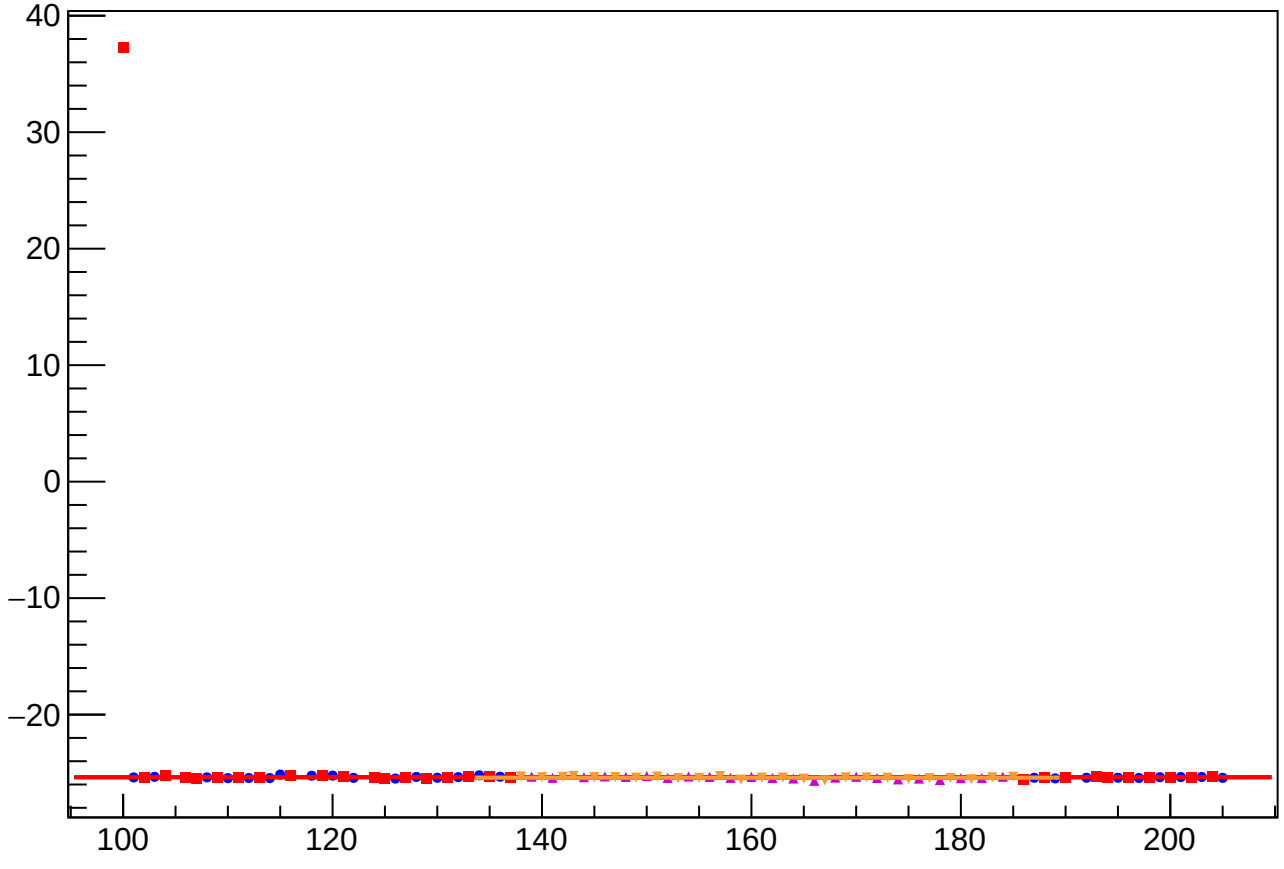
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.046+/-0.000 χ^2/NDF: 920823.9/48

All: 0.046+/-0.000 χ^2/NDF: 1896326.4/100

- sign 0.046+/-0.000 χ^2/NDF: 975222.6/51

yield_dsr_mean vs Slug



Right In: -25.385+/-0.000 χ^2/NDF: 19436875.1/24

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.366+/-0.000 χ^2/NDF: 6331681156.5/28

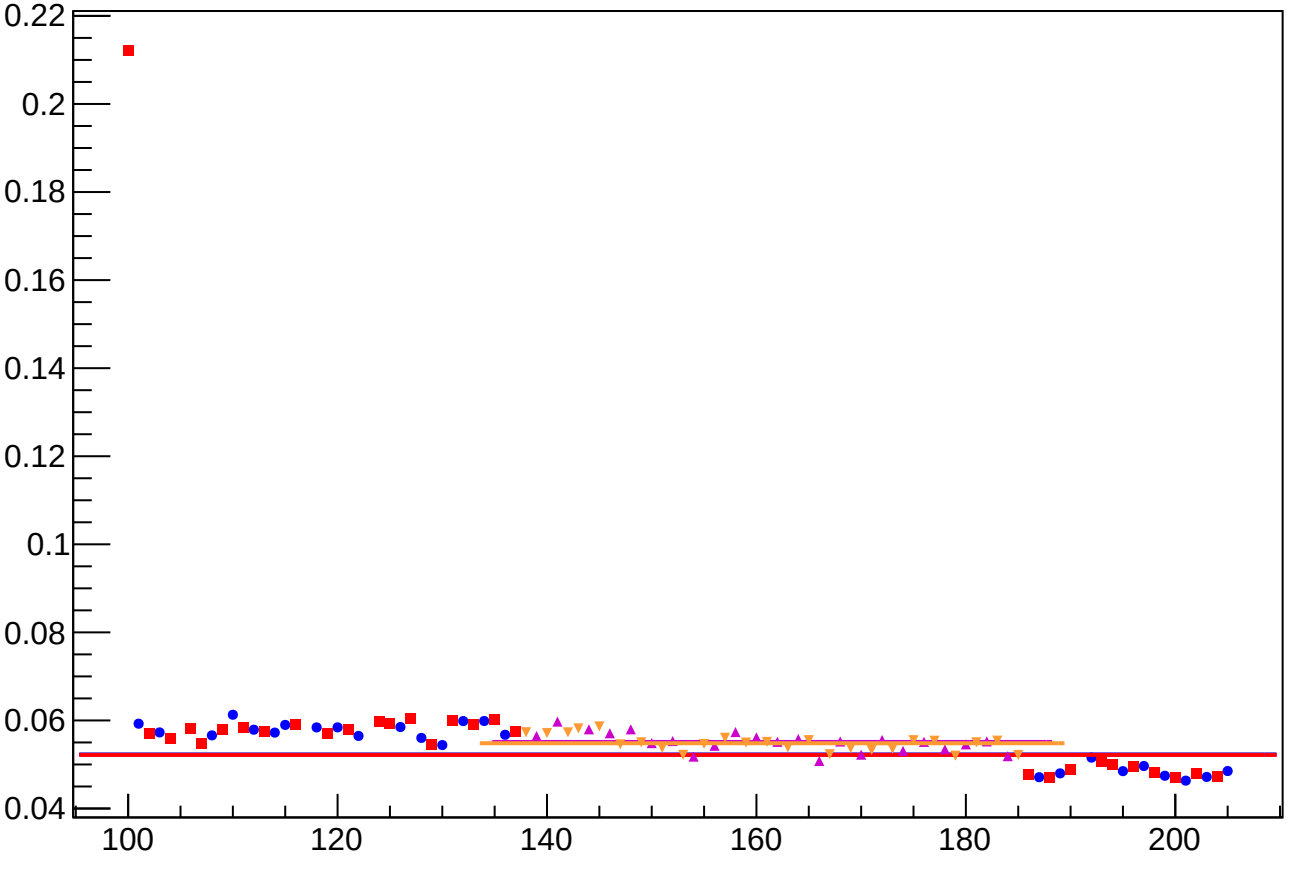
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 74393093.1/49

All: -25.397+/-0.000 χ^2/NDF: 6469295058.4/

- sign -25.391+/-0.000 χ^2/NDF: 6394112773.9/51

yield_dsr_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 238720.3/24

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

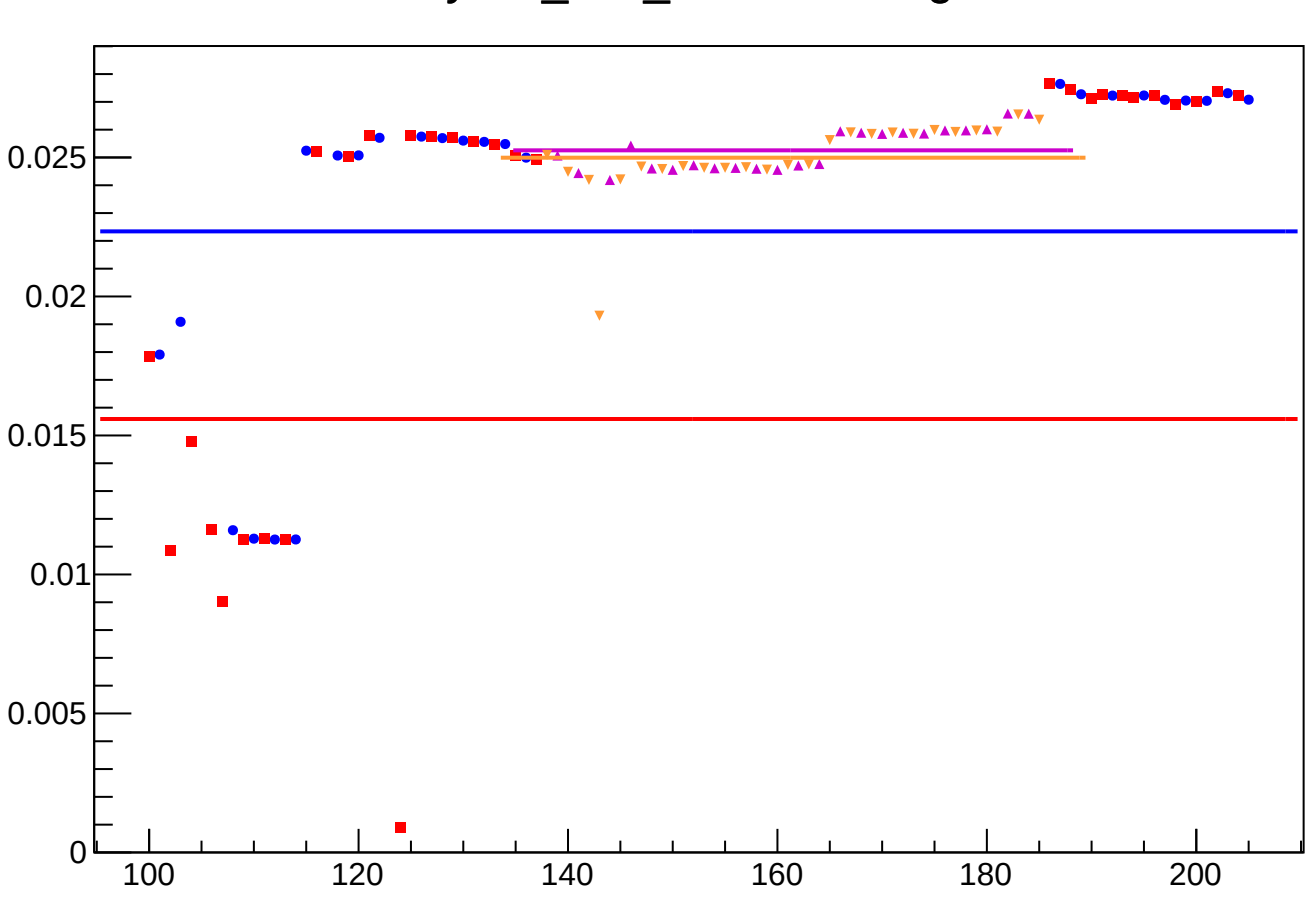
Right Out: 0.052+/-0.000 χ^2/NDF: 341118.7/28

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 312684.3/49

All: 0.054+/-0.000 χ^2/NDF: 753472.5/101

- sign 0.054+/-0.000 χ^2/NDF: 440786.2/51



Right In: 0.022+/-0.000 χ^2/NDF: 89632974474.9/24

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 419156453370.4/29

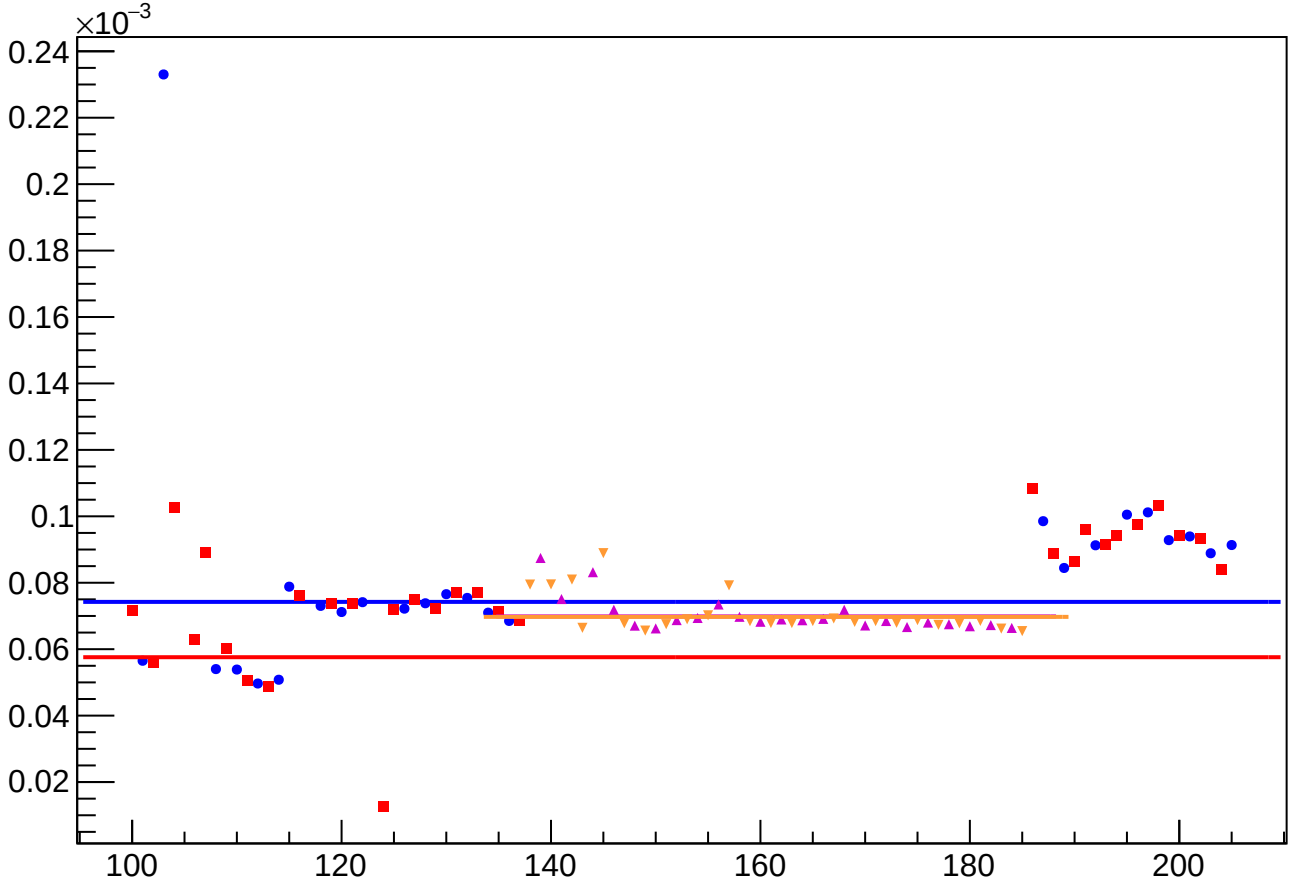
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 107763545190.3/49

All: 0.022+/-0.000 χ^2/NDF: 732742566252.7

- sign 0.021+/-0.000 χ^2/NDF: 586692477715.5/52

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1675160.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6916873.6/29

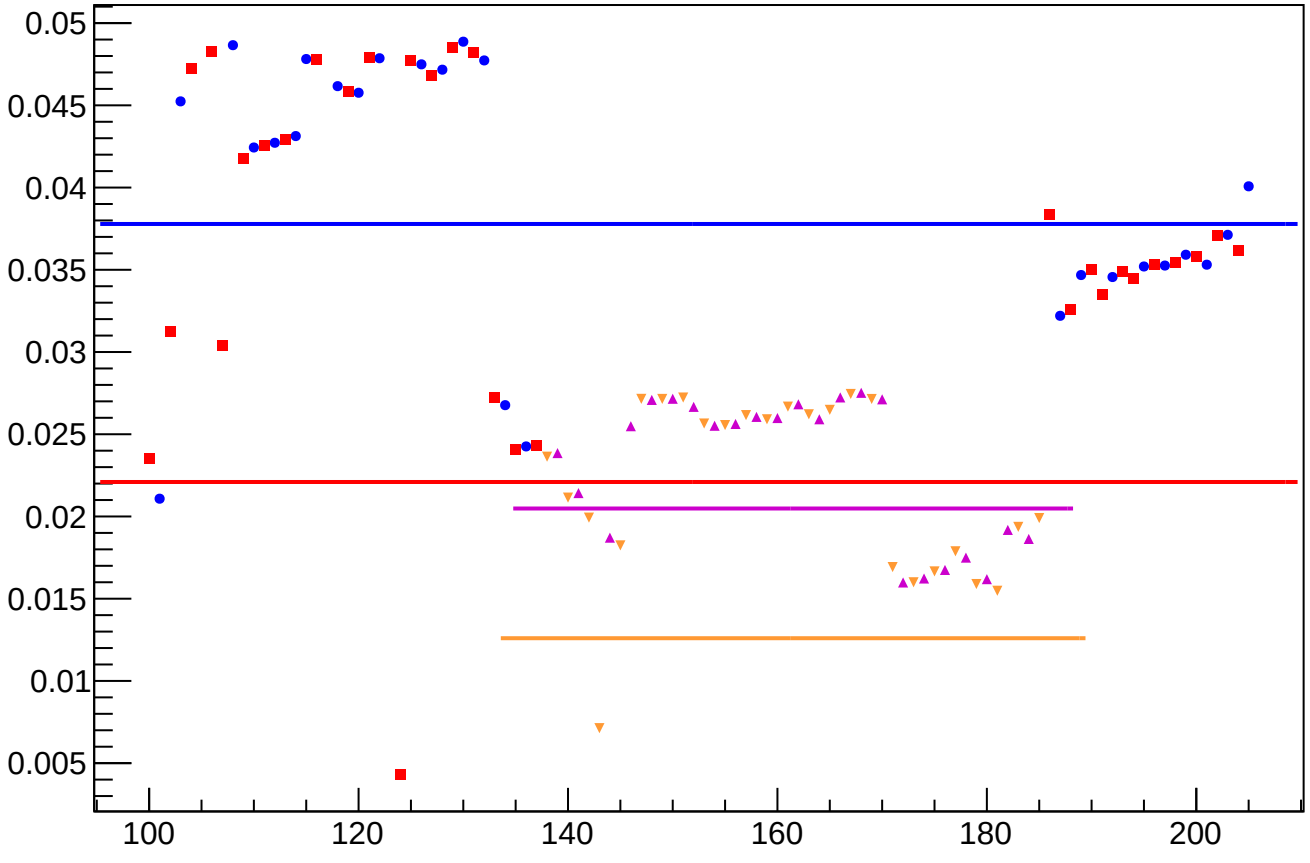
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1922767.9/49

All: 0.000+/-0.000 χ^2/NDF: 9897409.3/102

- sign 0.000+/-0.000 χ^2/NDF: 7604682.9/52

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7227987754.0/24

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45914234655.1/29

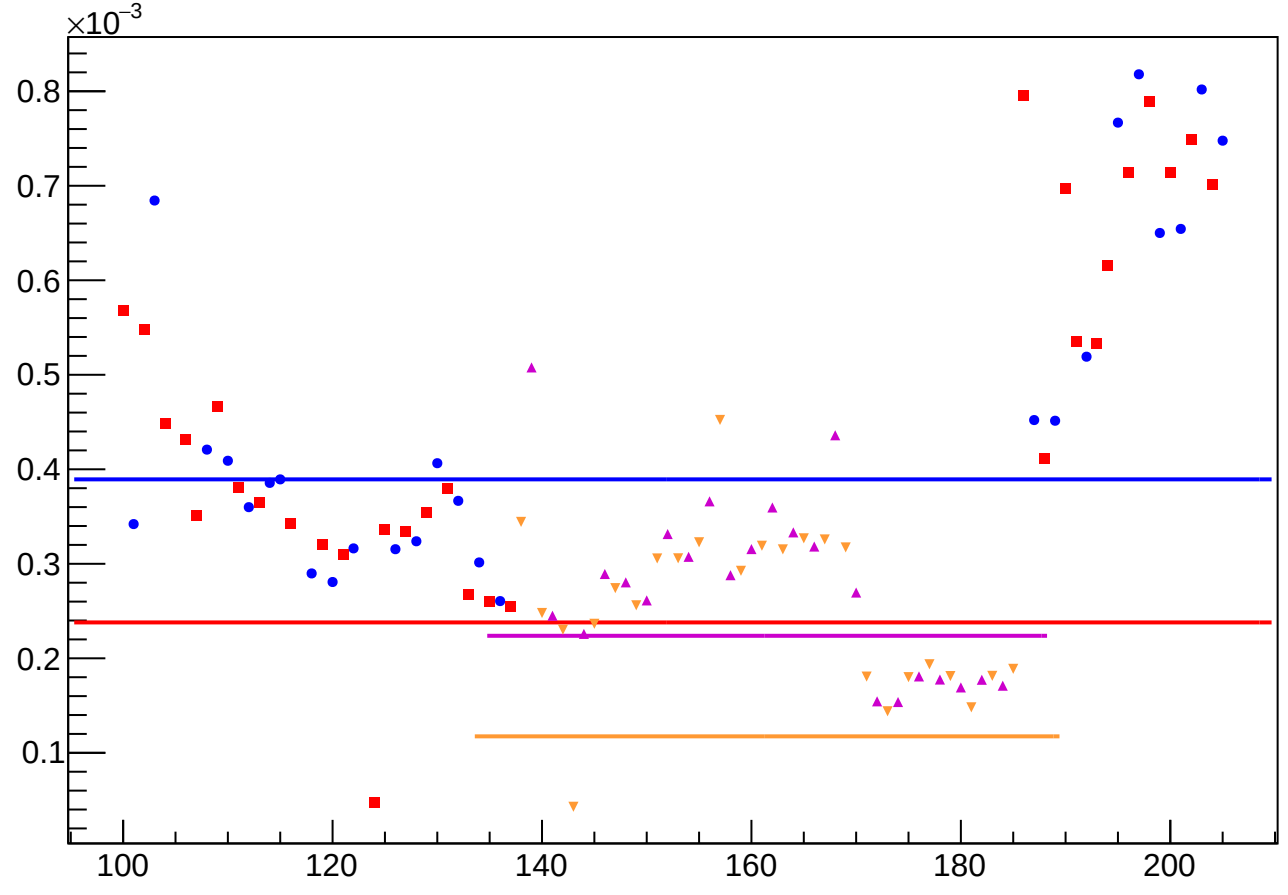
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 87831074443.1/49

All: 0.017+/-0.000 χ^2/NDF: 150925876984.9

- sign 0.021+/-0.000 χ^2/NDF: 52265151441.1/52

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3334528.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

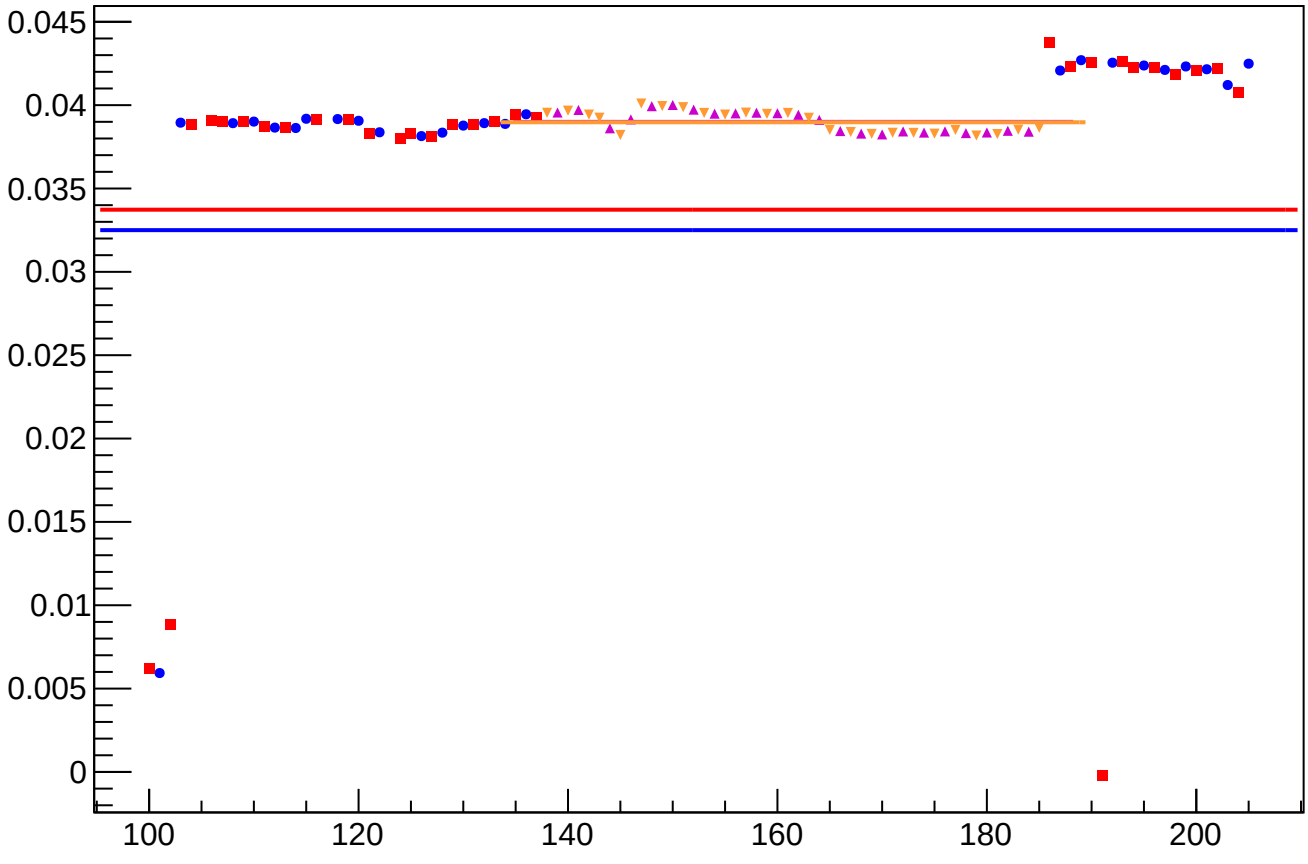
Right Out: 0.000+/-0.000 χ^2/NDF: 12442198.1/29

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 27809180.7/49

All: 0.000+/-0.000 χ^2/NDF: 47982163.8/102

- sign 0.000+/-0.000 χ^2/NDF: 15869061.2/52



Right In: 0.033+/-0.000 χ^2/NDF: 124031268492.8/24

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

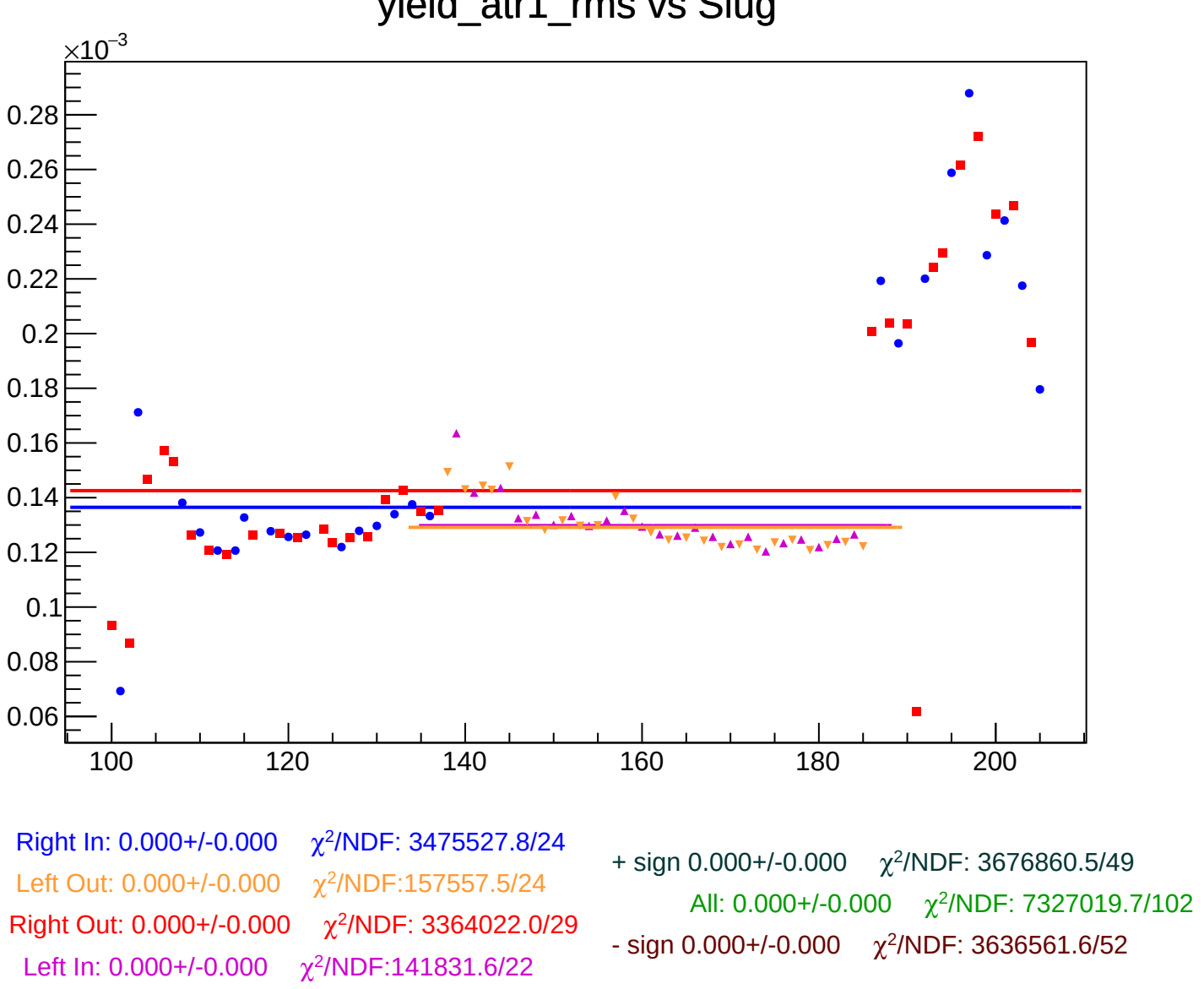
Right Out: 0.034+/-0.000 χ^2/NDF: 115439480539.5/29

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

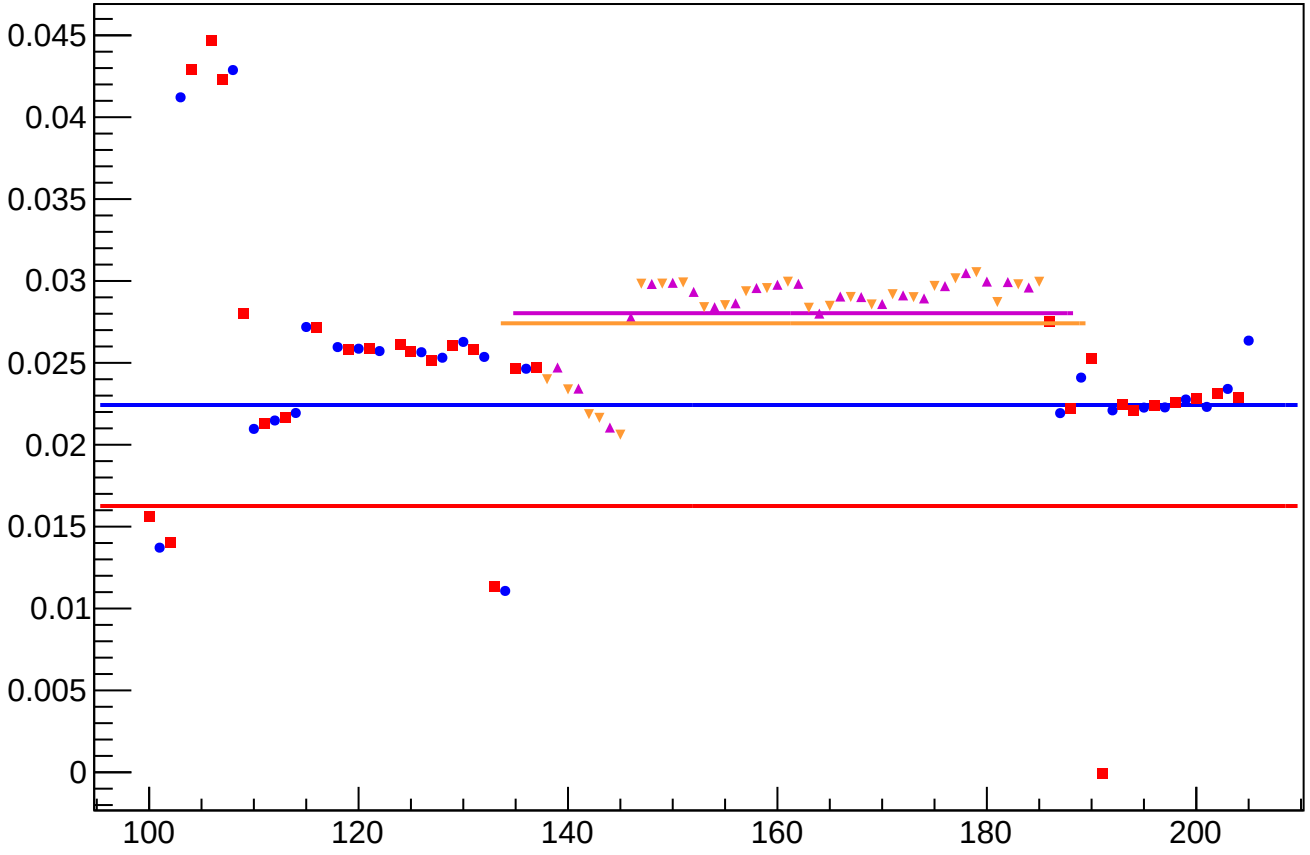
+ sign 0.037+/-0.000 χ^2/NDF: 141609656269.3/49

All: 0.037+/-0.000 χ^2/NDF: 268660814531.1

- sign 0.037+/-0.000 χ^2/NDF: 126928149991.8/52


yield_atr1_rms vs Slug
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3475527.8/24
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3364022.0/29
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 3676860.5/49
All: 0.000+/-0.000 χ²/NDF: 7327019.7/102
- sign 0.000+/-0.000 χ²/NDF: 3636561.6/52

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5051424400.1/24

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25242483341.2/29

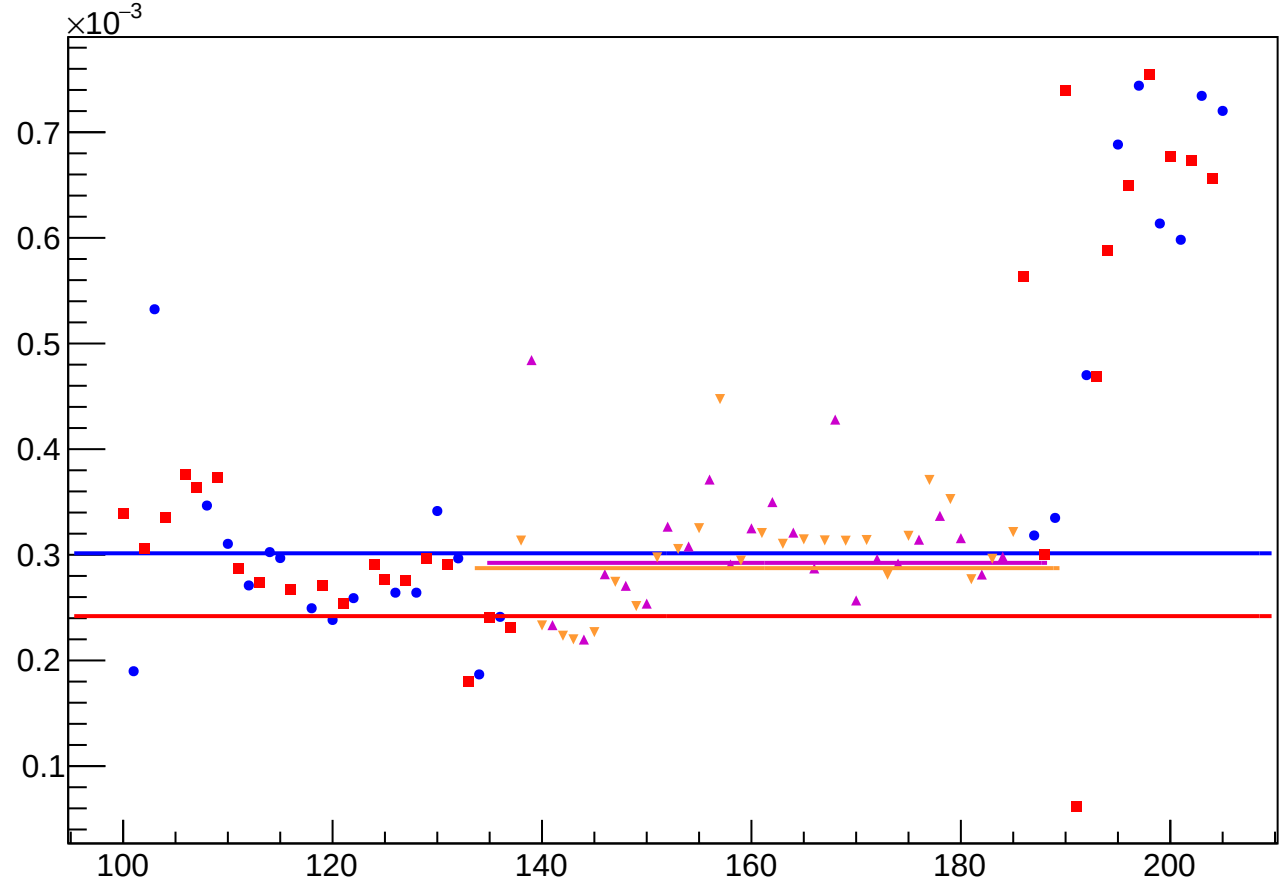
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9167139012.2/49

All: 0.024+/-0.000 χ^2/NDF: 49806845596.1/1

- sign 0.023+/-0.000 χ^2/NDF: 39089358432.4/52

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4426652.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

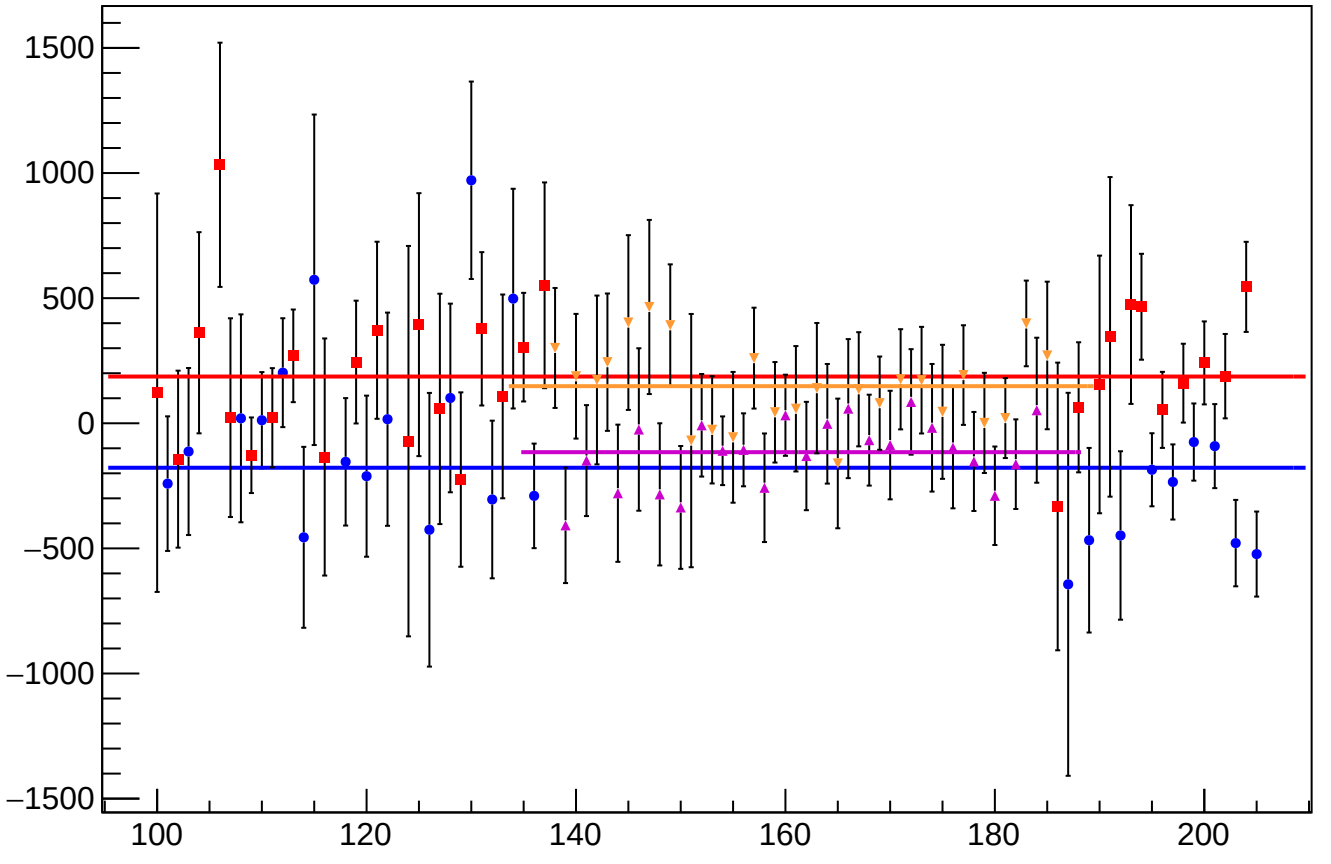
Right Out: 0.000+/-0.000 χ^2/NDF: 8840129.4/29

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5277924.7/49

All: 0.000+/-0.000 χ^2/NDF: 15728800.2/102

- sign 0.000+/-0.000 χ^2/NDF: 10263559.9/52



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 186.785+/-46.904 χ^2/NDF: 21.7/29

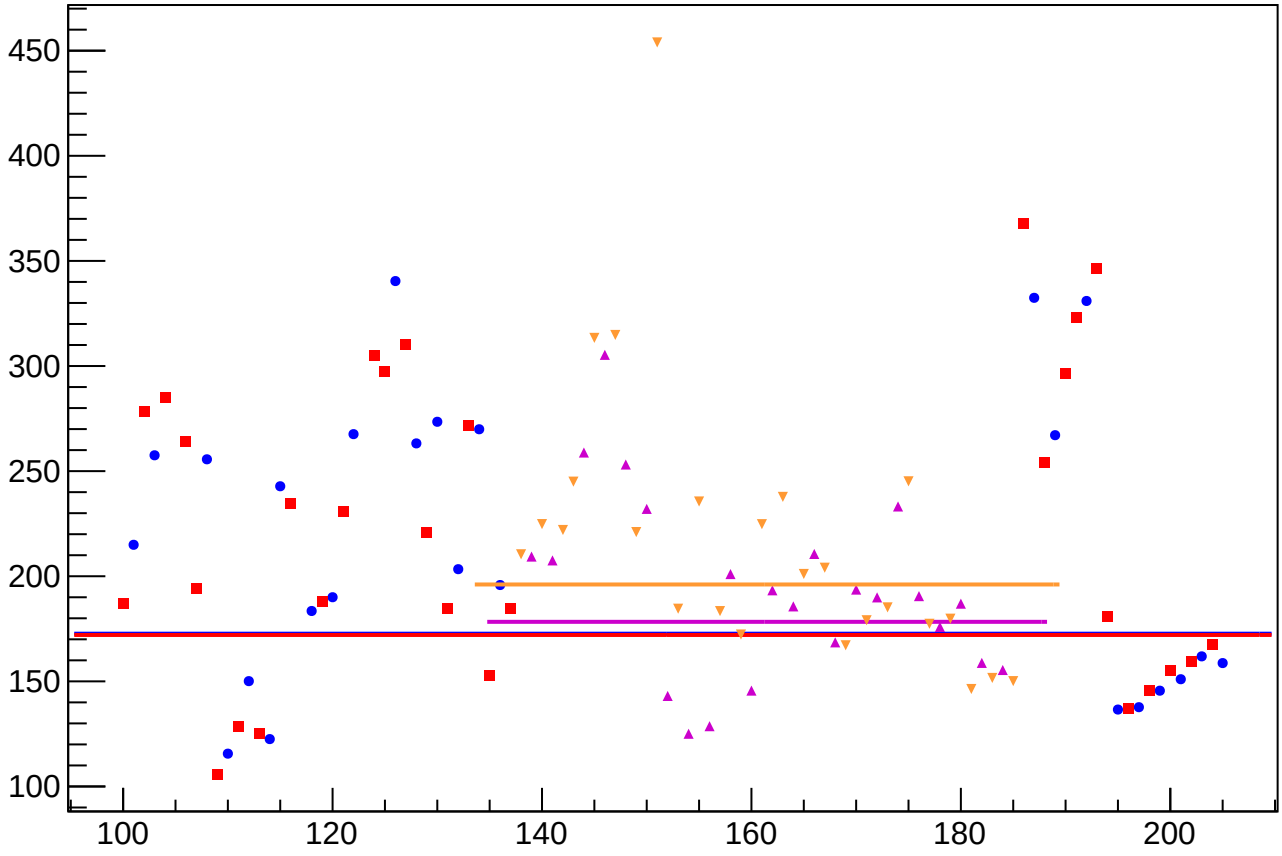
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

\+ sign -7.264+/-33.423 χ^2/NDF: 62.3/49

All: 9.357+/-23.084 χ^2/NDF: 114.5/102

\- sign 24.519+/-31.921 χ^2/NDF: 51.8/52

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

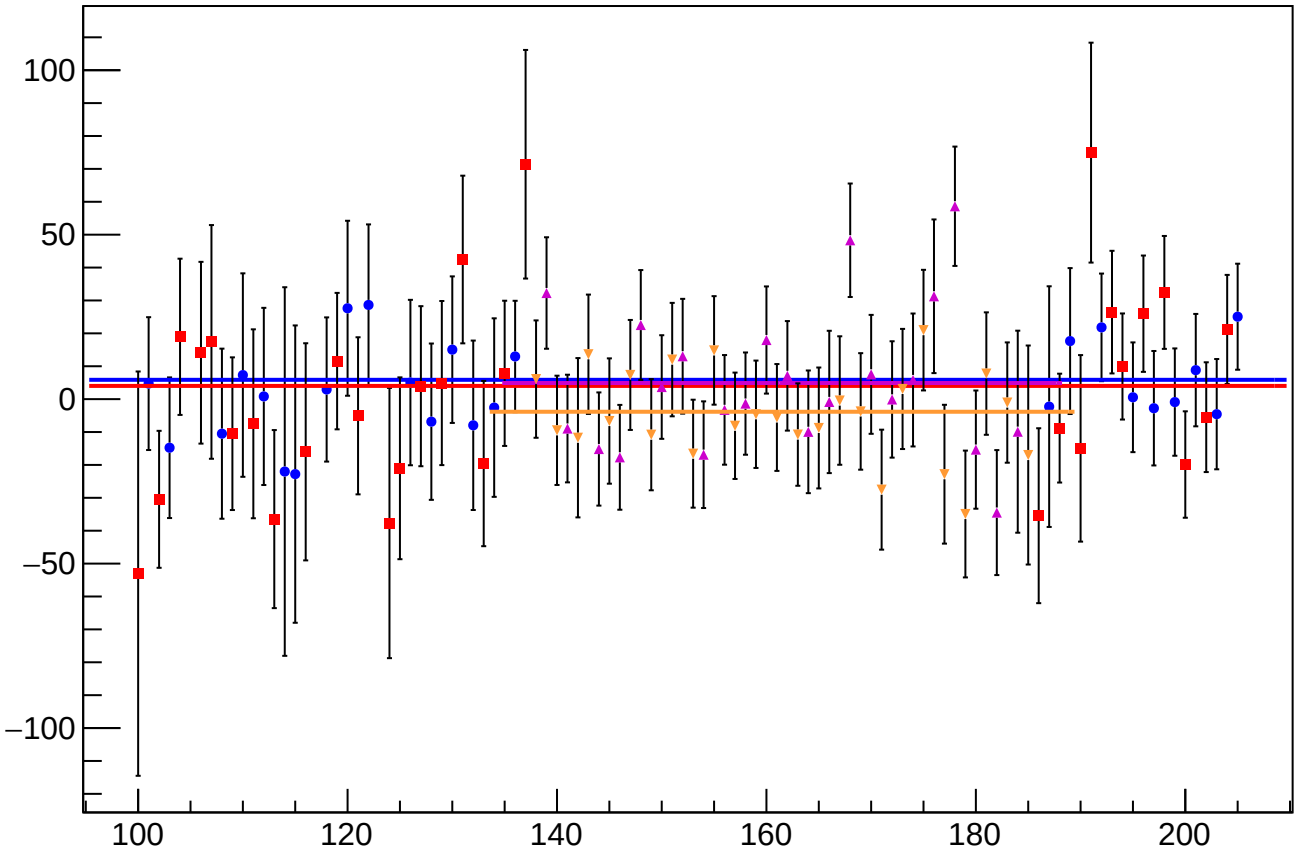
Right Out: 172.071+/-0.033 χ^2/NDF: 2902084.9/29

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 184.916+/-0.024 χ^2/NDF: 4272272.3/49

All: 179.952+/-0.016 χ^2/NDF: 8956092.1/102

- sign 175.425+/-0.023 χ^2/NDF: 4599465.1/52



Right In: 5.874+/-4.293 χ^2/NDF: 8.2/24

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

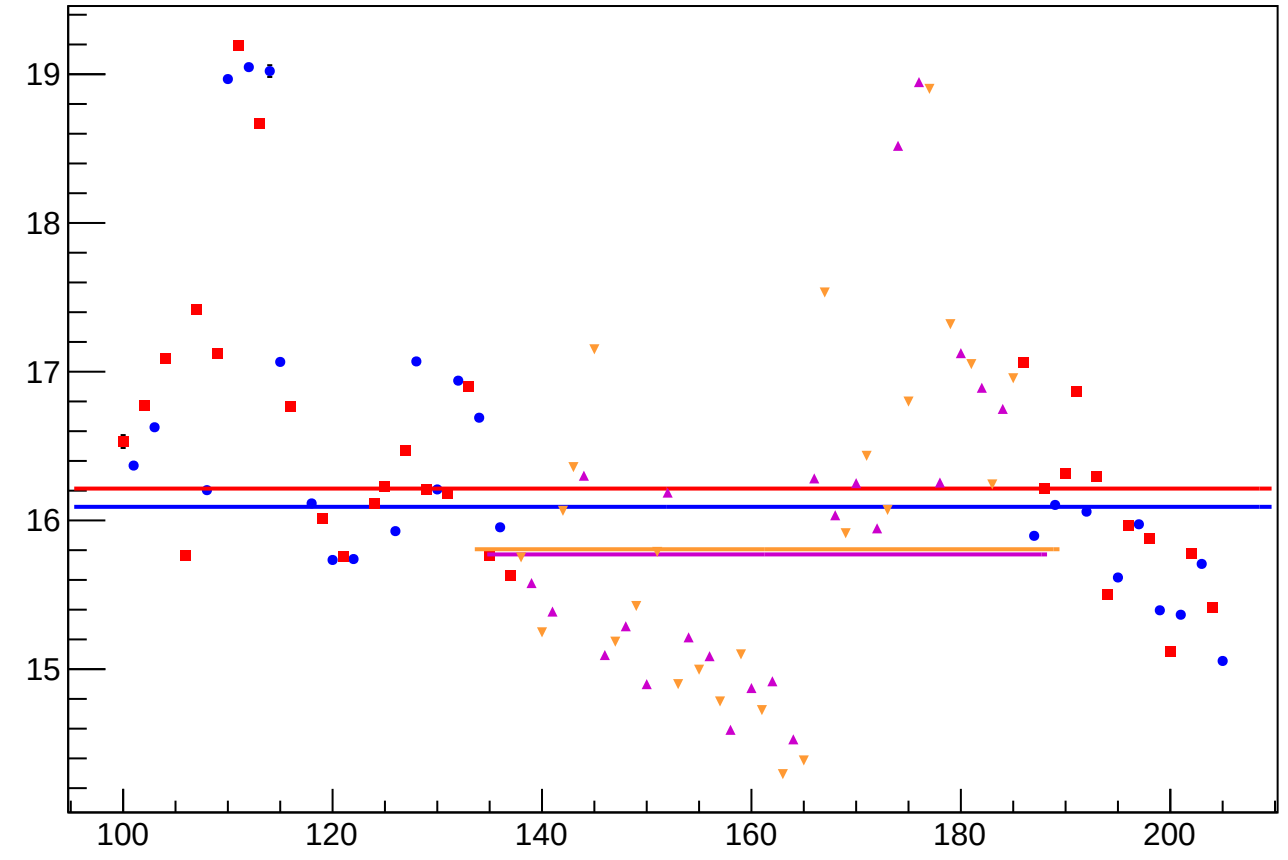
Right Out: 4.022+/-4.129 χ^2/NDF: 33.7/29

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign 0.177+/-2.760 χ^2/NDF: 24.1/49

All: 2.349+/-1.949 χ^2/NDF: 92.9/102

\- sign 4.512+/-2.754 χ^2/NDF: 67.6/52



Right In: 16.091+/-0.003 χ^2/NDF: 75377.8/24

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

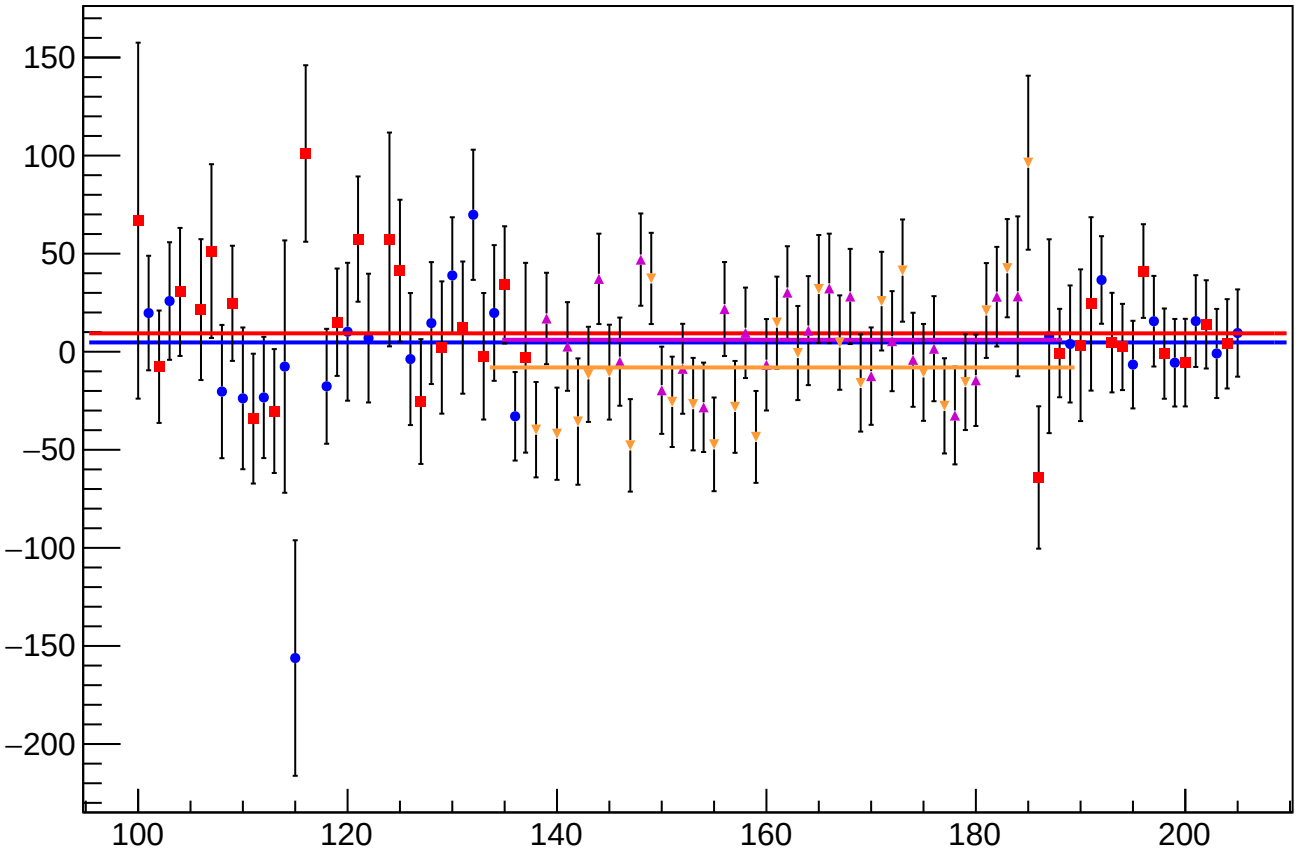
Right Out: 16.214+/-0.003 χ^2/NDF: 75773.7/29

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.924+/-0.002 χ^2/NDF: 253205.0/49

All: 15.946+/-0.001 χ^2/NDF: 494141.8/102

- sign 15.968+/-0.002 χ^2/NDF: 240679.5/52



Right In: 4.737+/-5.740 χ^2/NDF: 21.9/24

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.372+/-5.514 χ^2/NDF: 23.0/29

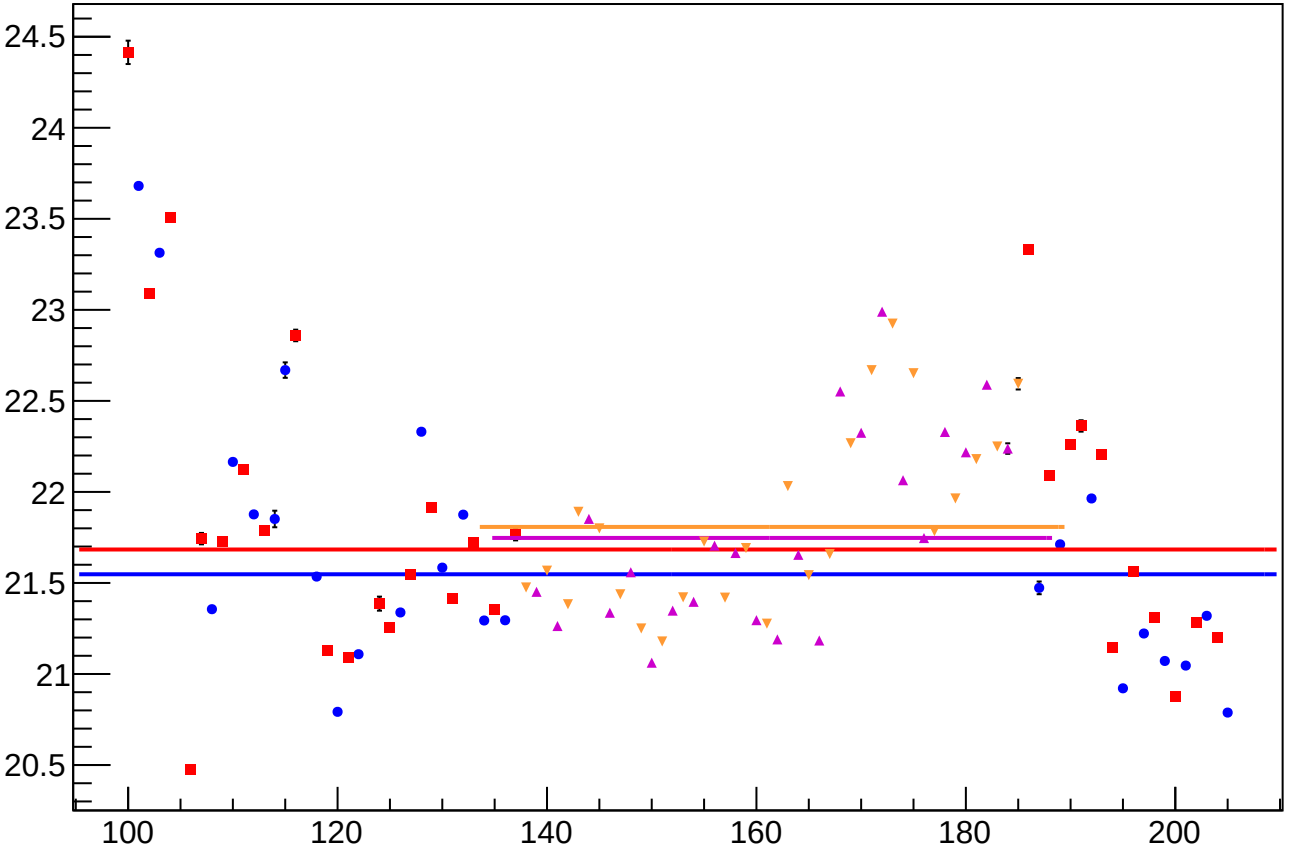
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -2.569+/-3.751 χ^2/NDF: 63.6/49

All: 2.533+/-2.647 χ^2/NDF: 108.4/102

\- sign 7.595+/-3.736 χ^2/NDF: 41.1/52

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.548+/-0.004 χ^2/NDF: 29506.7/24

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

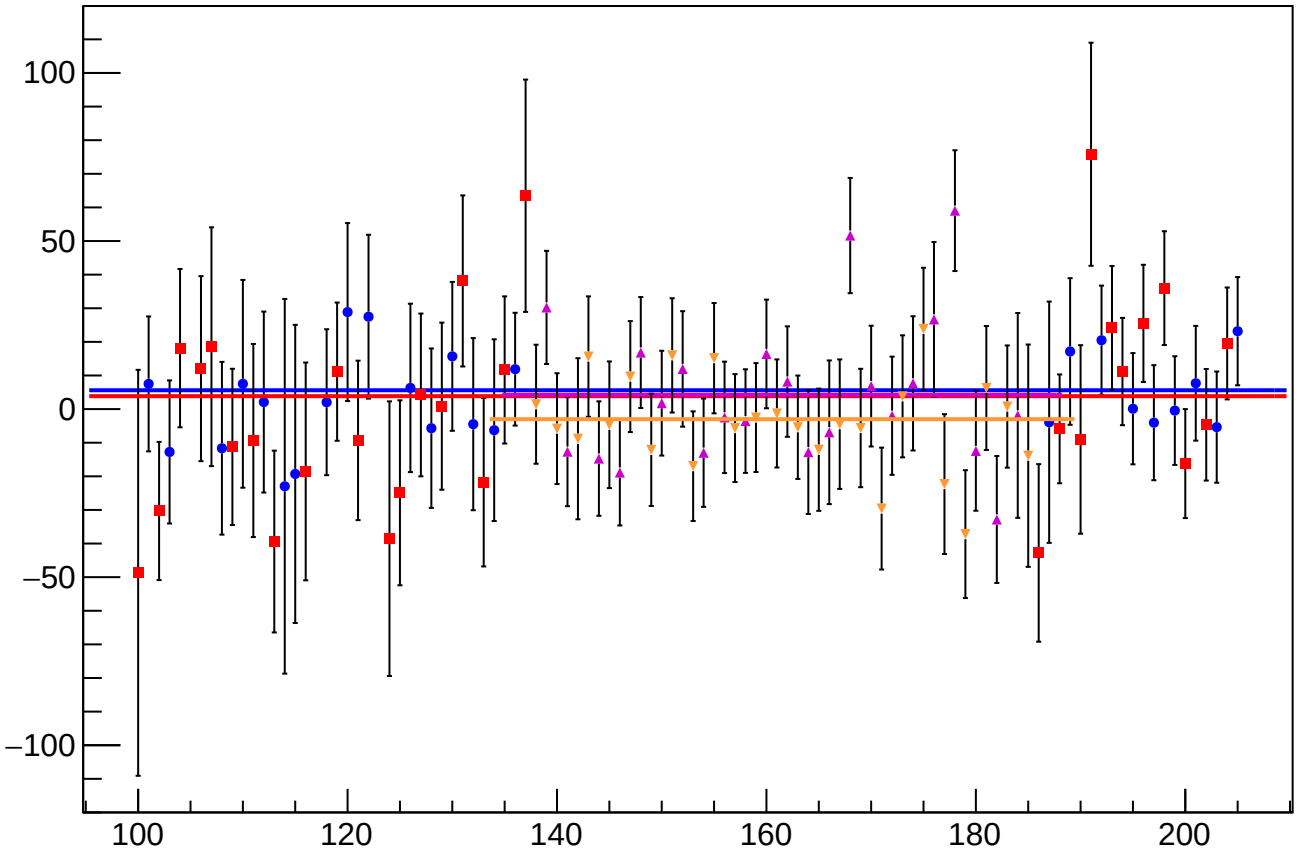
Right Out: 21.684+/-0.004 χ^2/NDF: 31715.4/29

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.697+/-0.003 χ^2/NDF: 49418.9/49

All: 21.707+/-0.002 χ^2/NDF: 101871.6/102

- sign 21.718+/-0.003 χ^2/NDF: 52419.9/52



Right In: 5.608+/-4.262 χ^2/NDF: 7.7/24

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

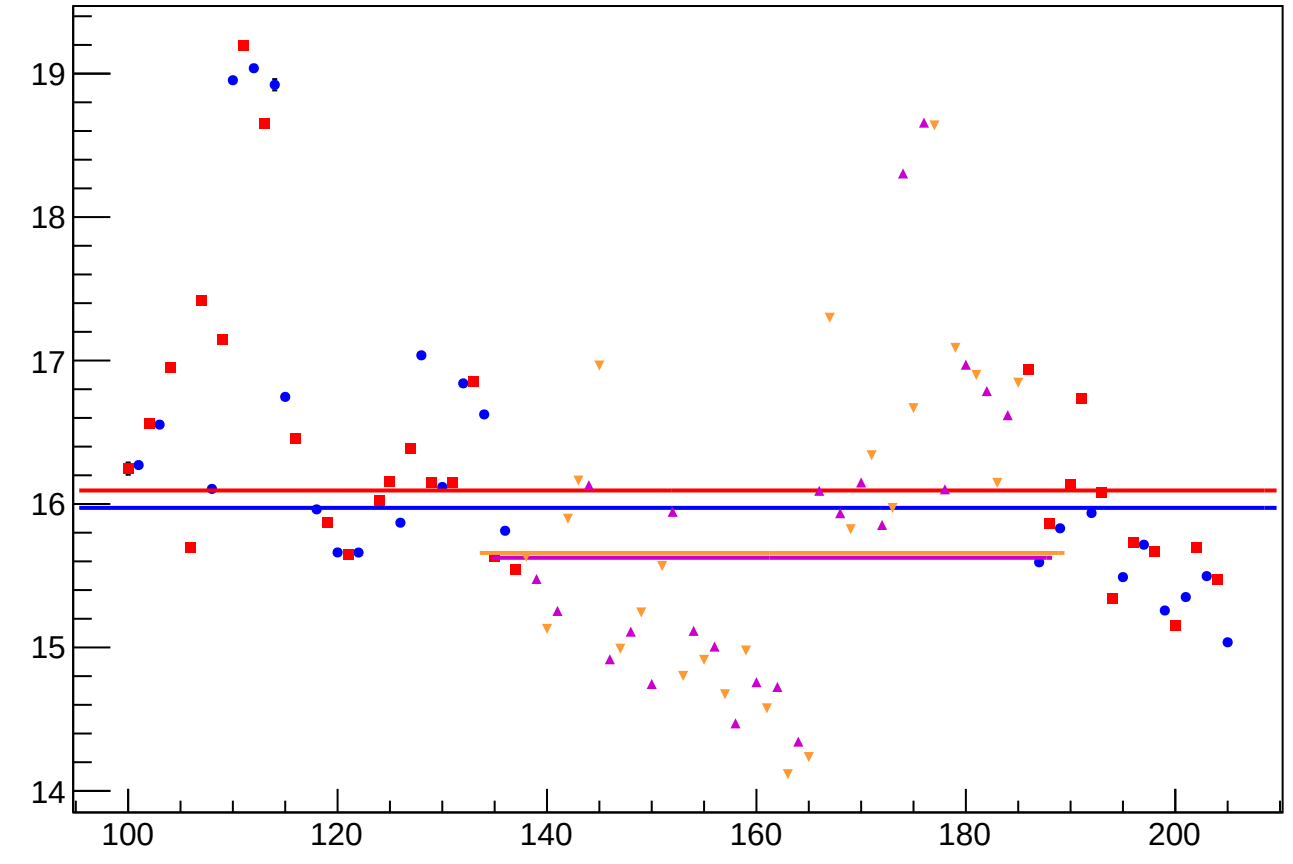
Right Out: 3.845+/-4.099 χ^2/NDF: 34.1/29

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.546+/-2.736 χ^2/NDF: 24.8/49

All: 2.312+/-1.933 χ^2/NDF: 93.5/102

- sign 4.070+/-2.730 χ^2/NDF: 67.9/52



Right In: 15.973+/-0.003 χ^2/NDF: 78584.9/24

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

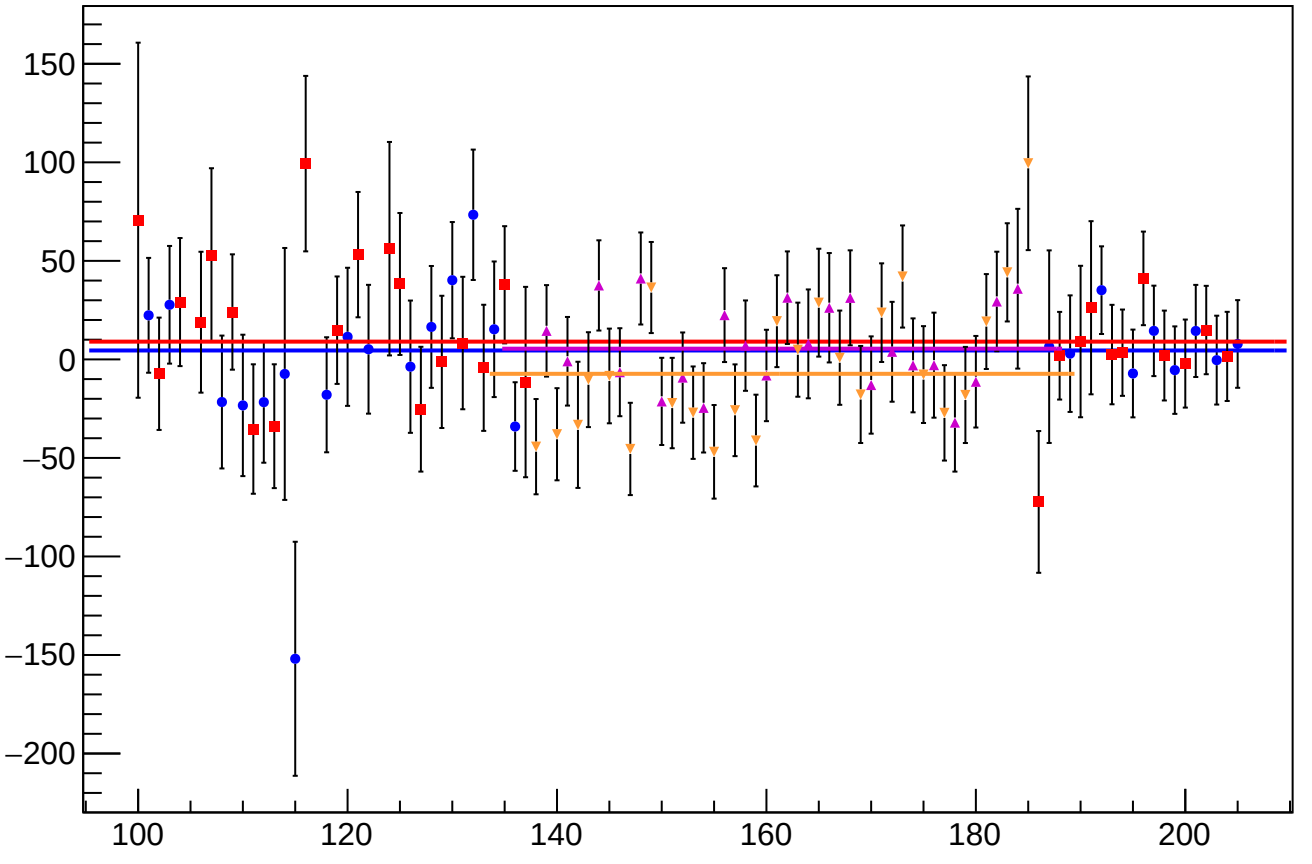
Right Out: 16.094+/-0.003 χ^2/NDF: 77376.1/29

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.788+/-0.002 χ^2/NDF: 254808.7/49

All: 15.811+/-0.001 χ^2/NDF: 497466.5/102

- sign 15.833+/-0.002 χ^2/NDF: 242388.6/52



Right In: 4.527+/-5.713 χ^2/NDF: 22.4/24

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

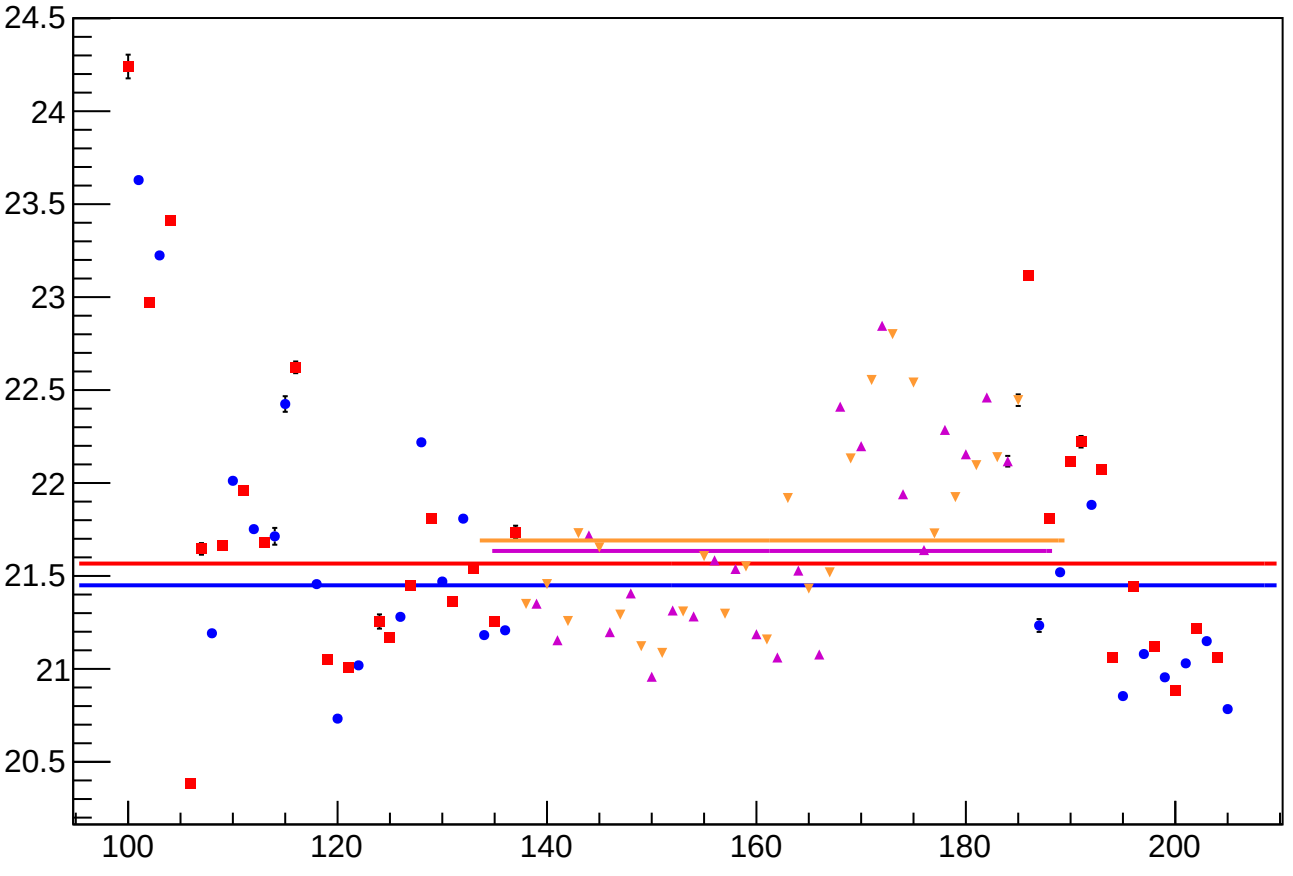
Right Out: 9.017+/-5.484 χ^2/NDF: 24.1/29

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -2.264+/-3.732 χ^2/NDF: 63.5/49

All: 2.428+/-2.633 χ^2/NDF: 108.2/102

- sign 7.080+/-3.716 χ^2/NDF: 41.6/52



Right In: 21.450+/-0.004 χ^2/NDF: 29239.3/24

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.567+/-0.004 χ^2/NDF: 29660.5/29

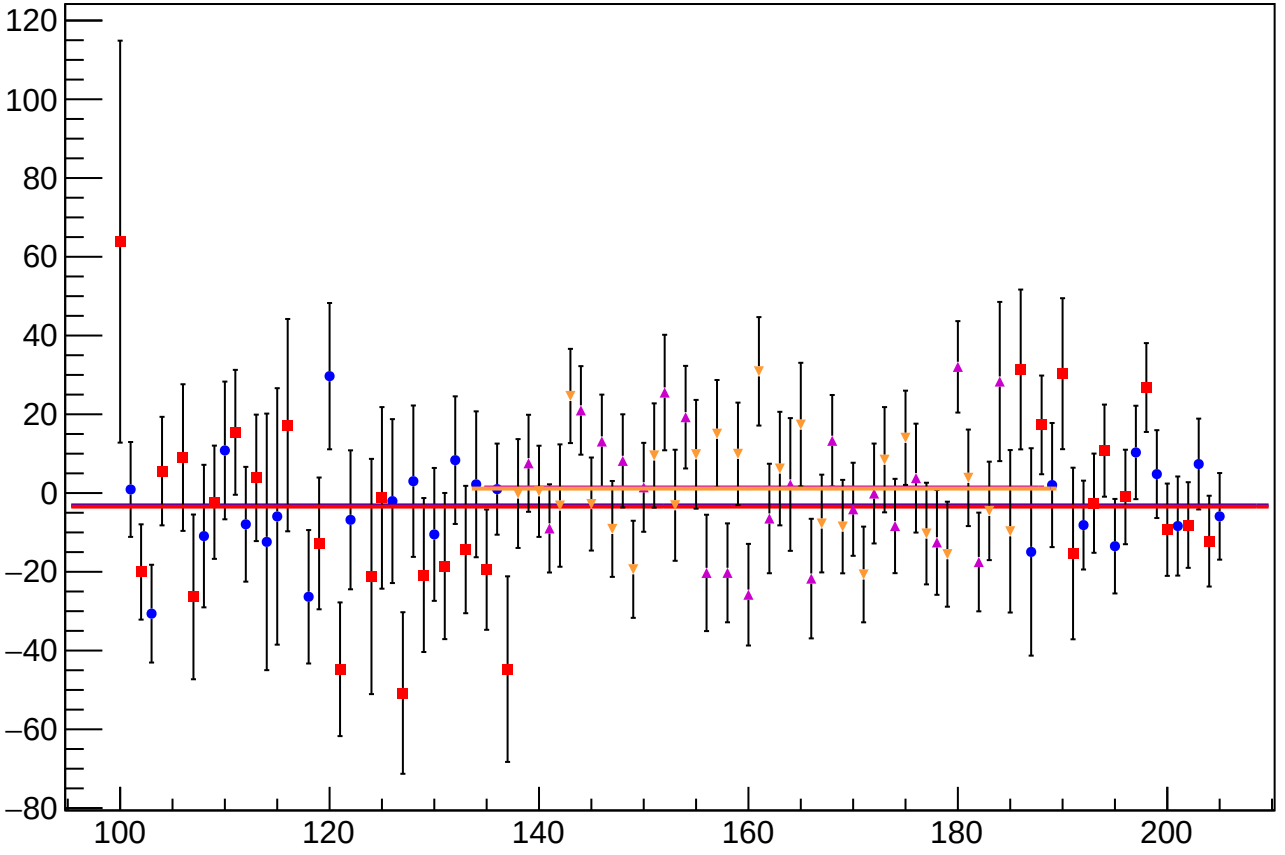
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.588+/-0.003 χ^2/NDF: 49218.1/49

All: 21.596+/-0.002 χ^2/NDF: 99622.9/102

- sign 21.603+/-0.003 χ^2/NDF: 50387.6/52

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -3.435+/-2.830 χ^2/NDF: 44.7/29

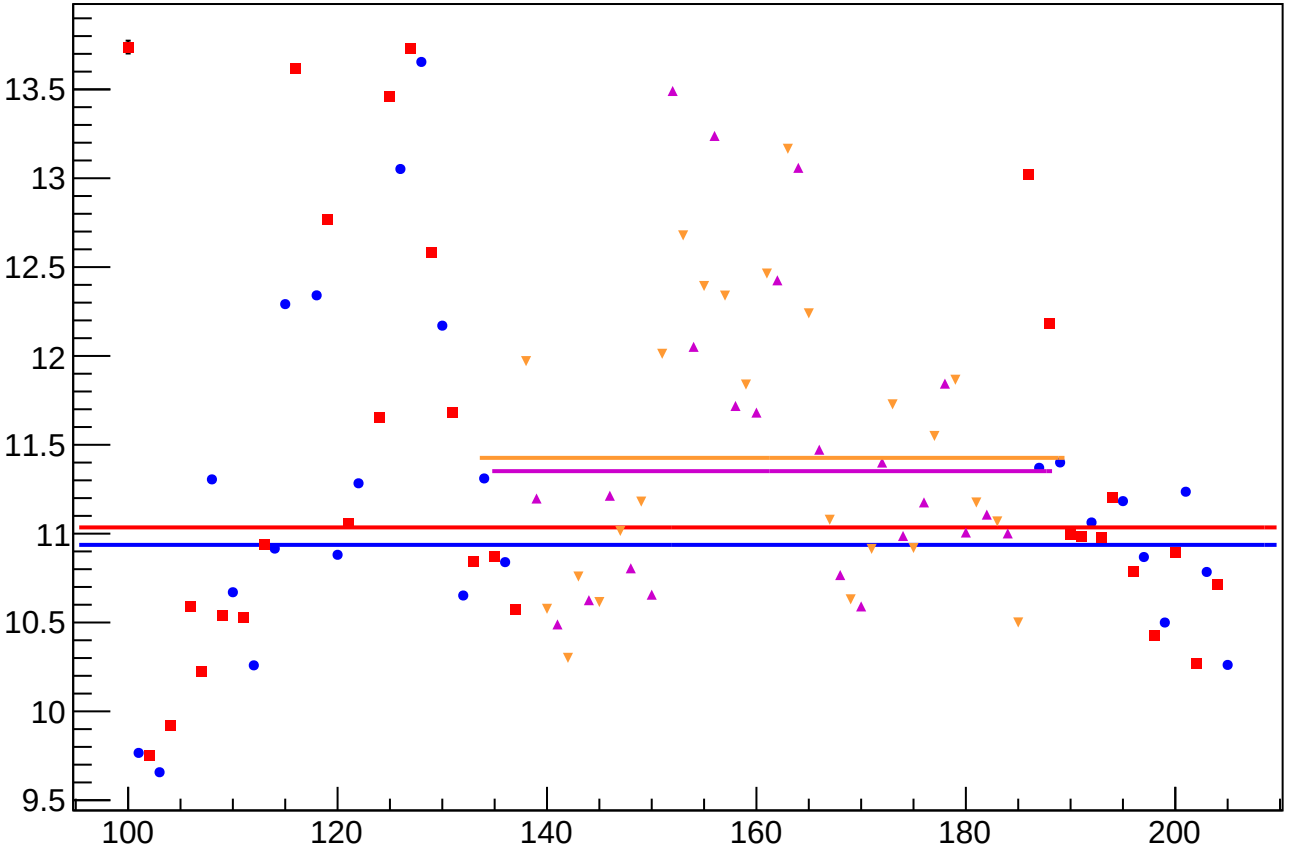
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.764+/-1.954 χ^2/NDF: 41.9/49

All: -0.821+/-1.378 χ^2/NDF: 124.5/102

- sign -0.877+/-1.944 χ^2/NDF: 82.6/52

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

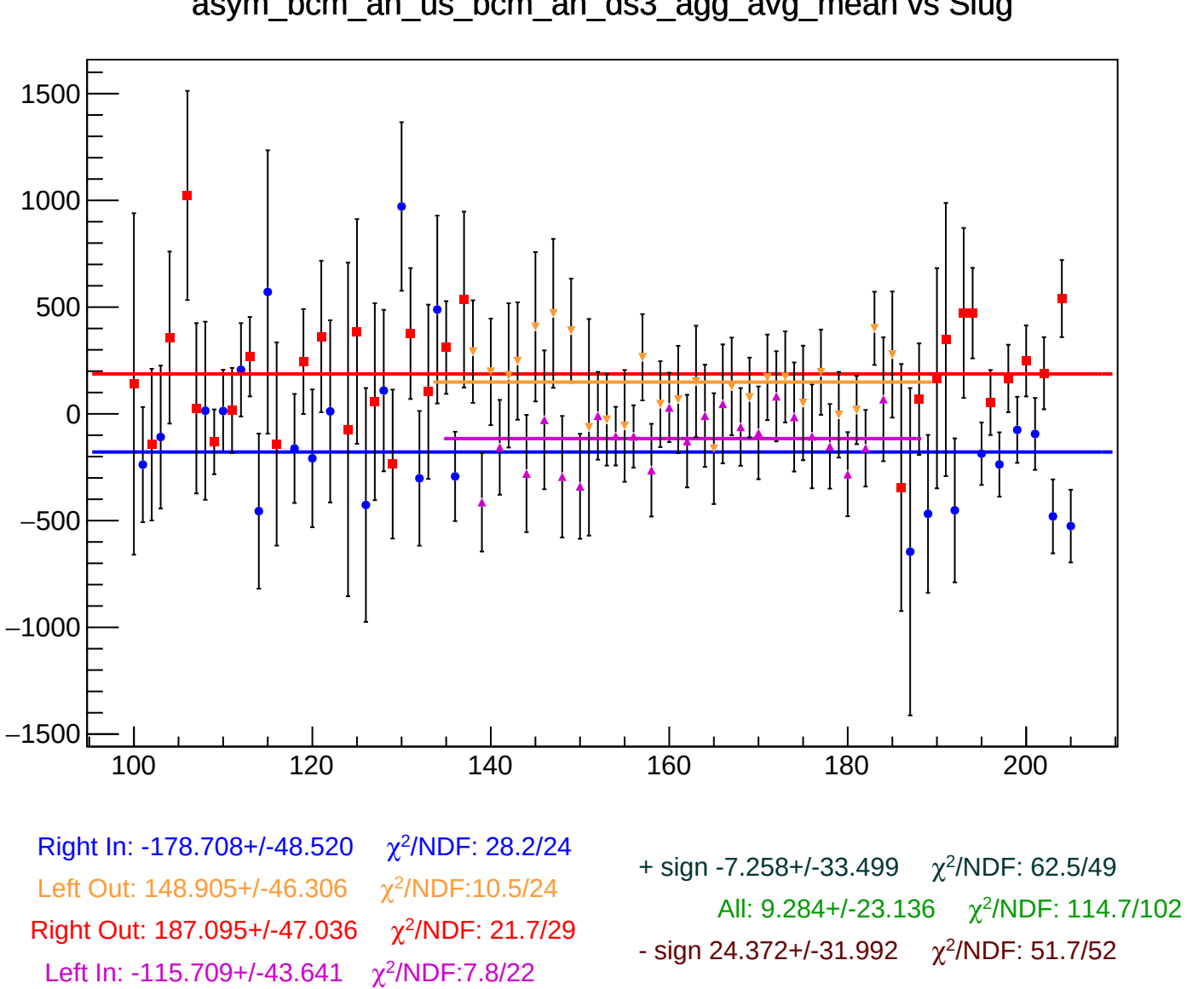
Right Out: 11.035+/-0.002 χ^2/NDF: 218319.9/29

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

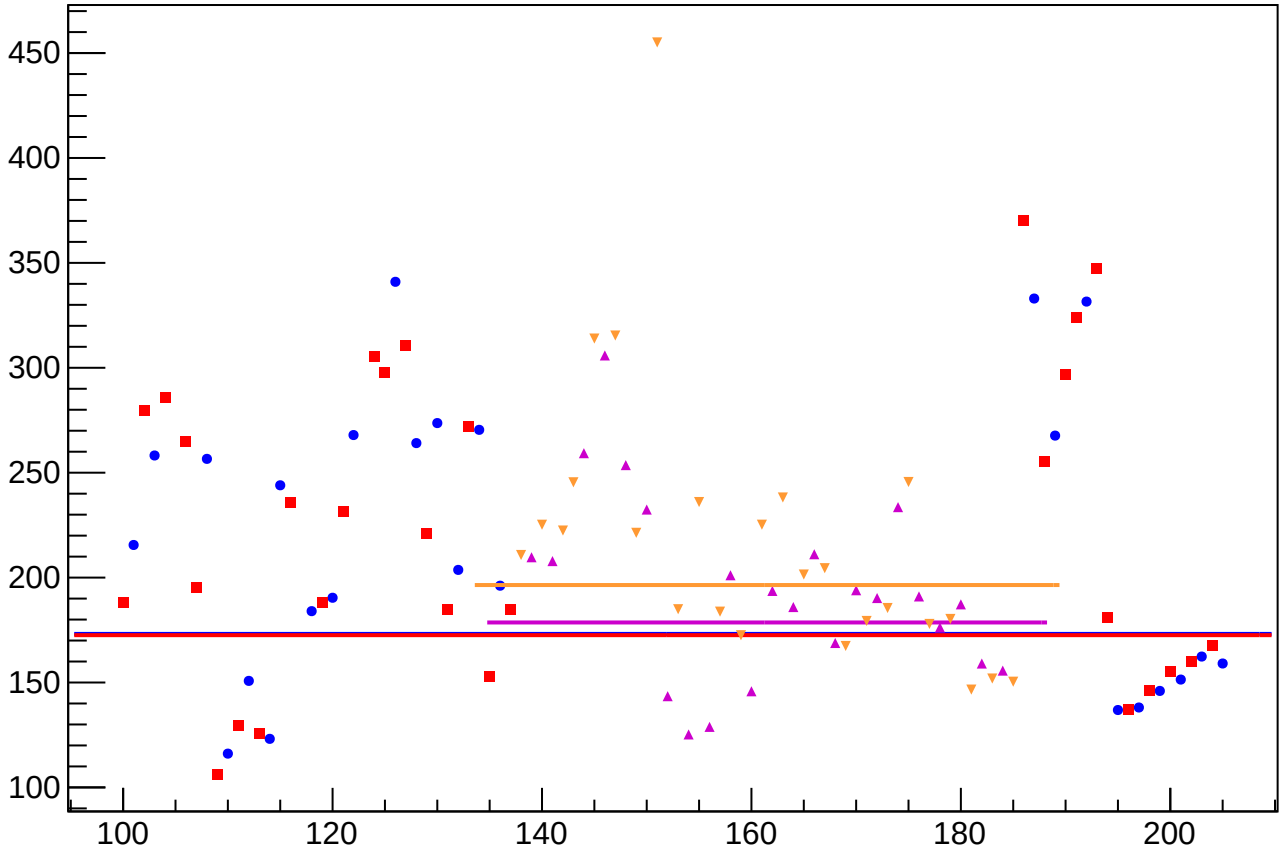
+ sign 11.209+/-0.001 χ^2/NDF: 340096.0/49

All: 11.206+/-0.001 χ^2/NDF: 742218.2/102

- sign 11.202+/-0.001 χ^2/NDF: 402109.5/52


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -178.708+/-48.520 χ²/NDF: 28.2/24
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: 187.095+/-47.036 χ²/NDF: 21.7/29
Left In: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign -7.258+/-33.499 χ²/NDF: 62.5/49
All: 9.284+/-23.136 χ²/NDF: 114.7/102
- sign 24.372+/-31.992 χ²/NDF: 51.7/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

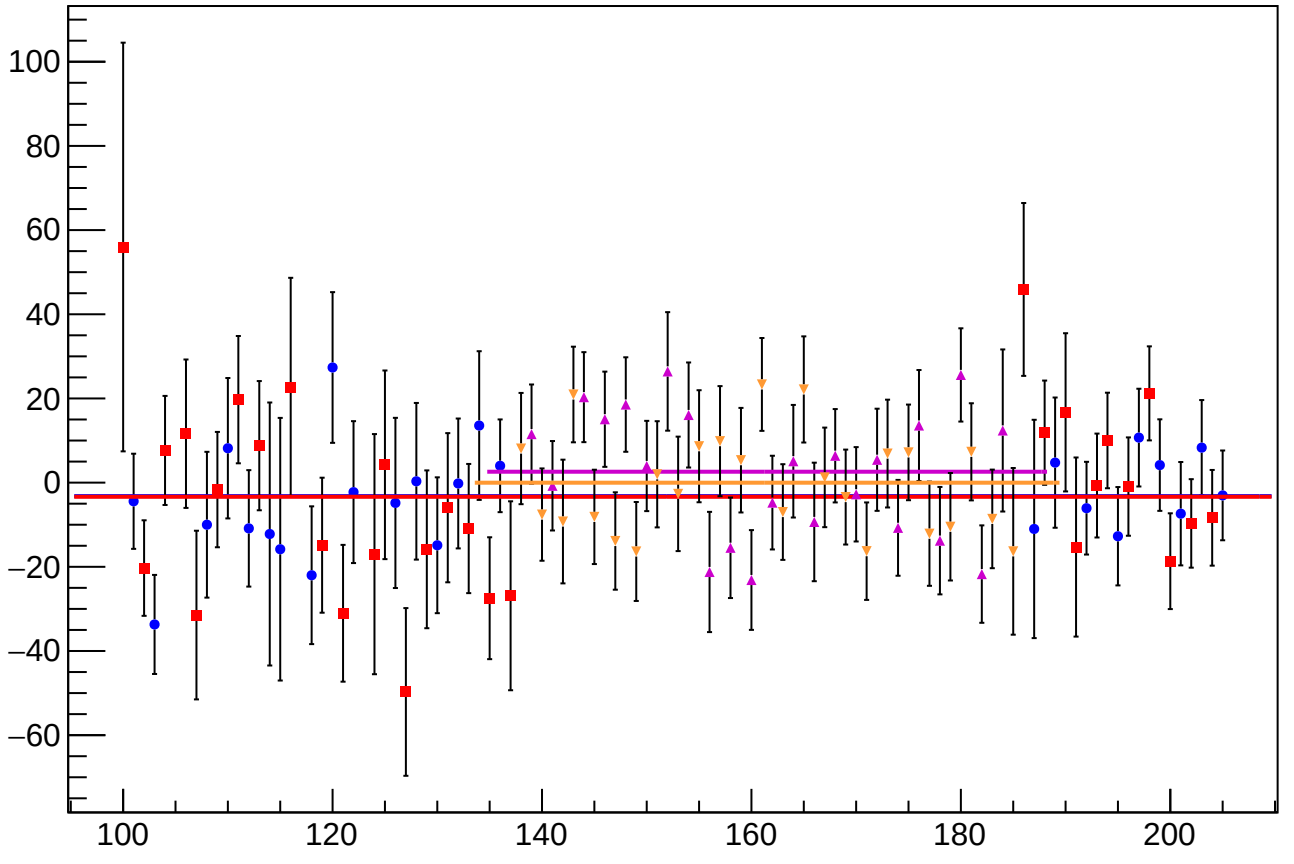
Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 185.350+/-0.024 χ^2/NDF: 4263402.5/49

All: 180.364+/-0.016 χ^2/NDF: 8943508.9/102

- sign 175.816+/-0.023 χ^2/NDF: 4595372.2/52



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.357+/-2.733 χ^2/NDF: 42.3/29

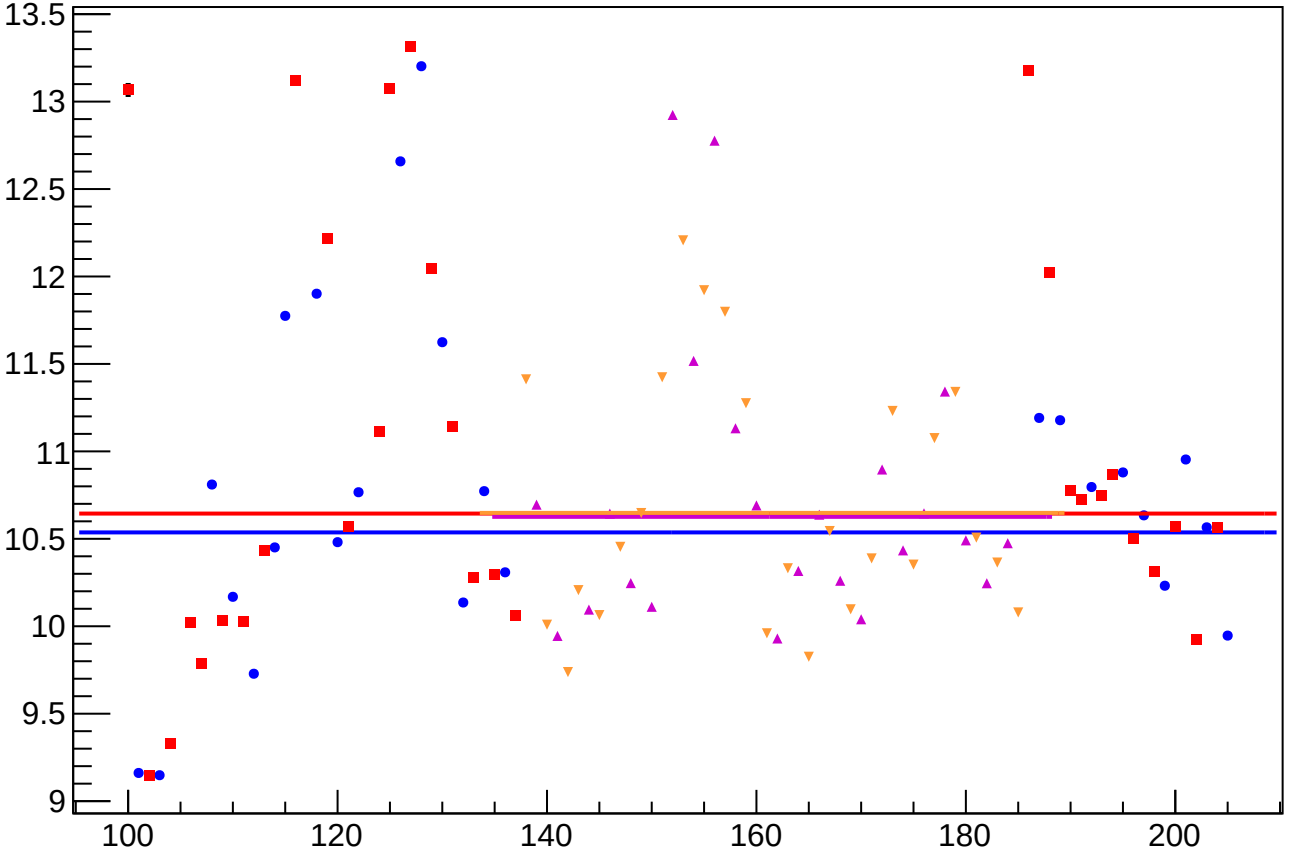
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.381+/-1.850 χ^2/NDF: 42.7/49

All: -0.752+/-1.307 χ^2/NDF: 122.5/102

- sign -0.125+/-1.847 χ^2/NDF: 79.6/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

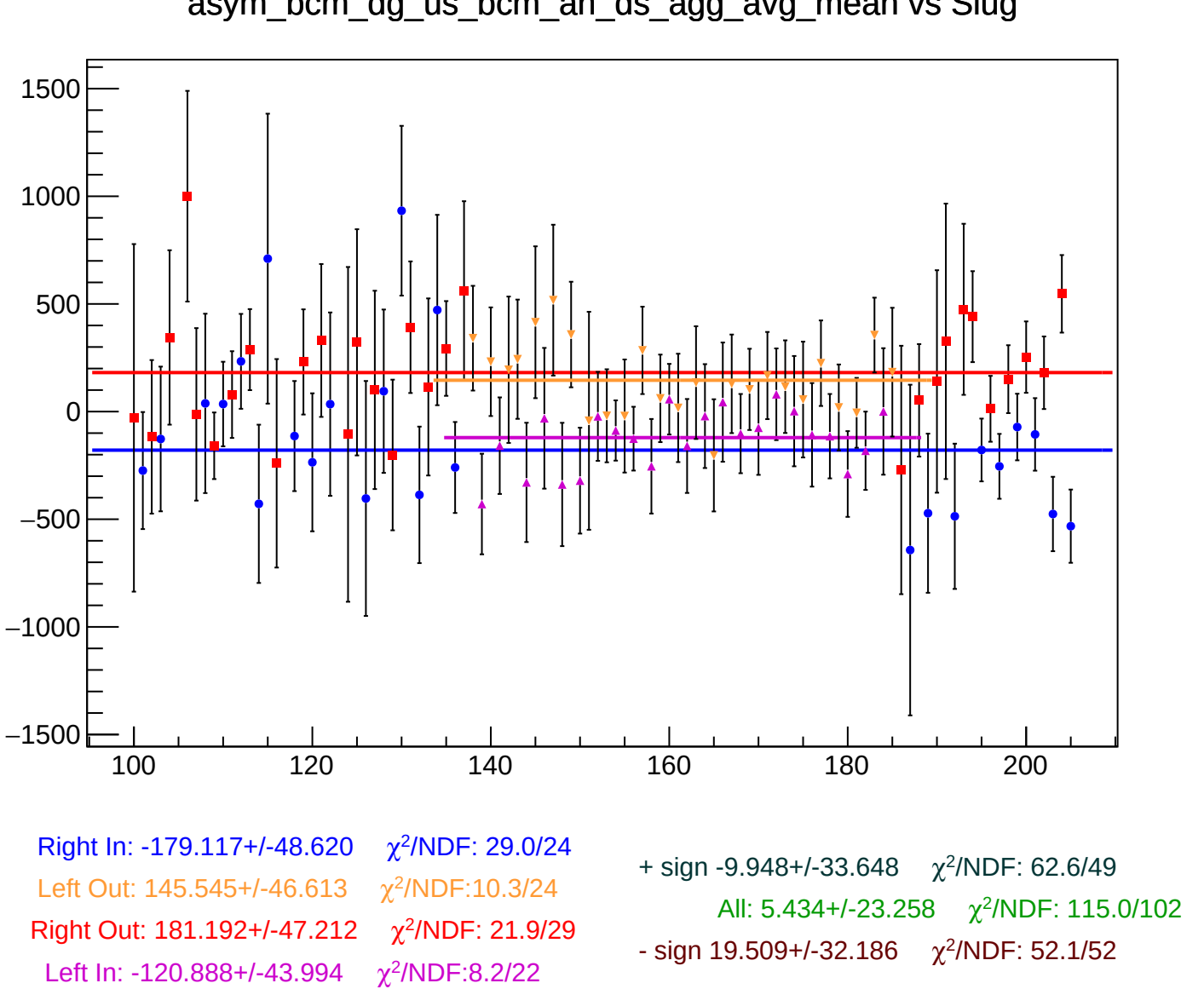
Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

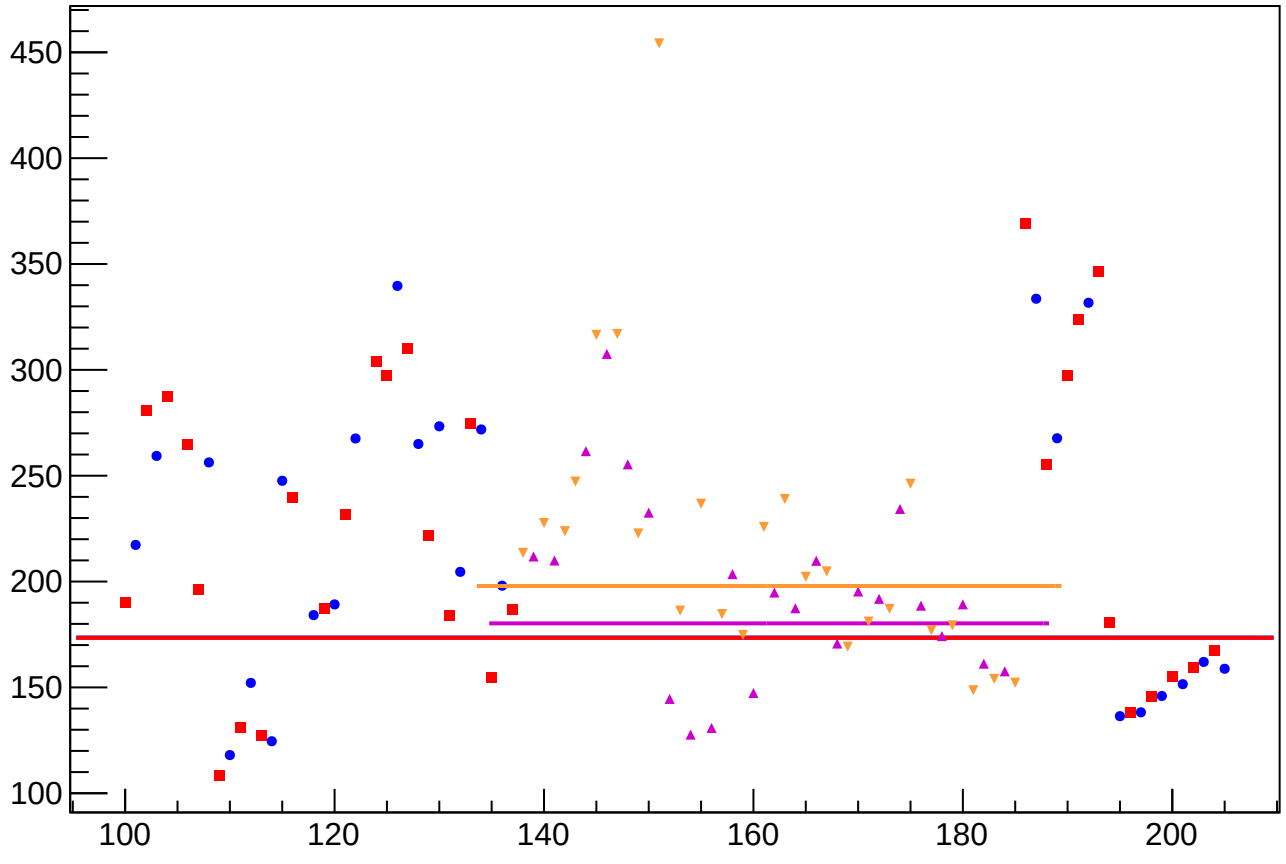
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.601+/-0.001 χ^2/NDF: 320947.6/49

All: 10.617+/-0.001 χ^2/NDF: 736979.3/102

- sign 10.634+/-0.001 χ^2/NDF: 415700.5/52


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -179.117+/-48.620 χ²/NDF: 29.0/24
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: 181.192+/-47.212 χ²/NDF: 21.9/29
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign -9.948+/-33.648 χ²/NDF: 62.6/49
All: 5.434+/-23.258 χ²/NDF: 115.0/102
- sign 19.509+/-32.186 χ²/NDF: 52.1/52



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

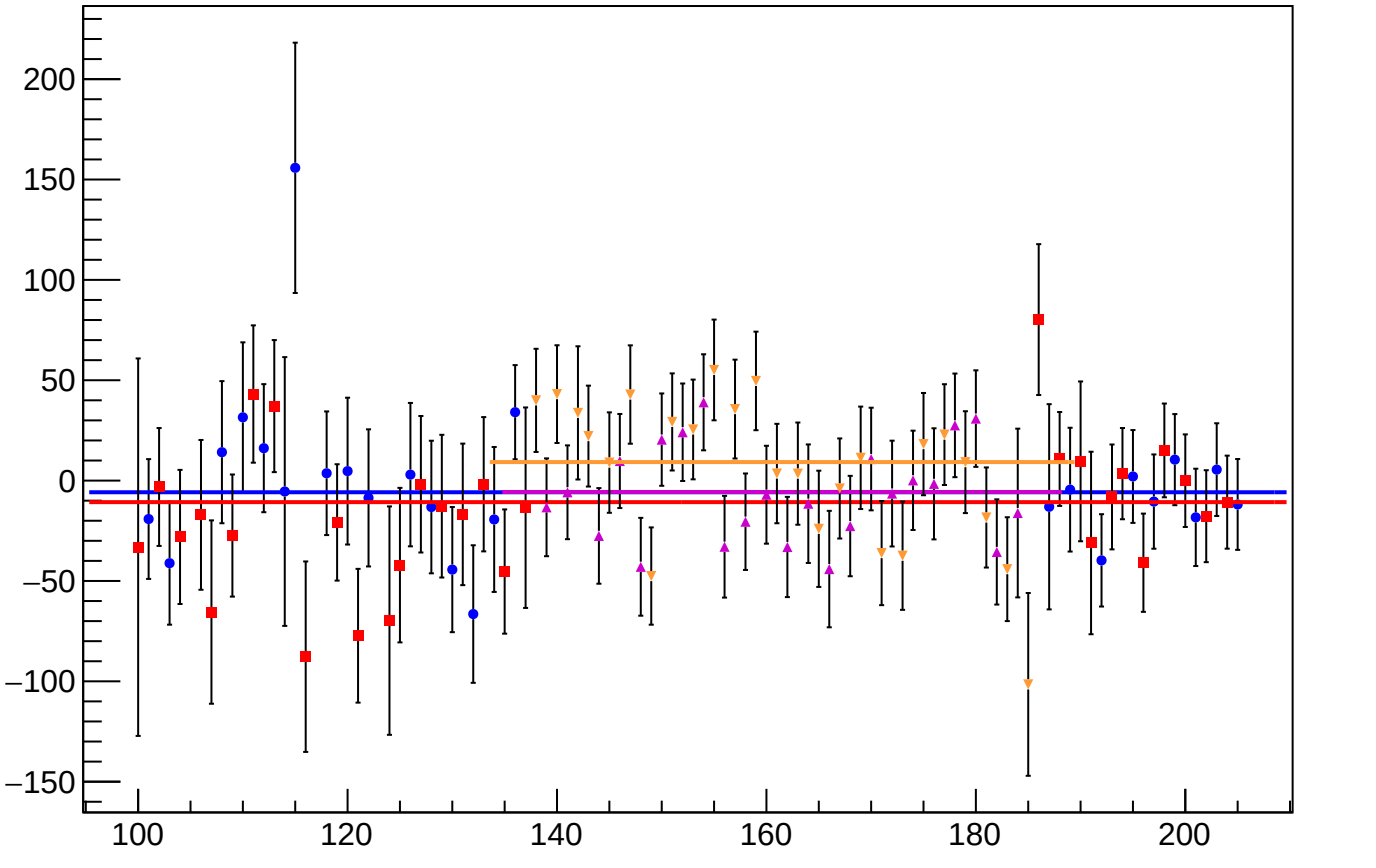
Right Out: 173.416+/-0.033 χ^2/NDF: 2842915.5/29

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 186.233+/-0.024 χ^2/NDF: 4247489.0/49

All: 181.450+/-0.016 χ^2/NDF: 8818012.6/102

- sign 177.073+/-0.023 χ^2/NDF: 4493109.5/52



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

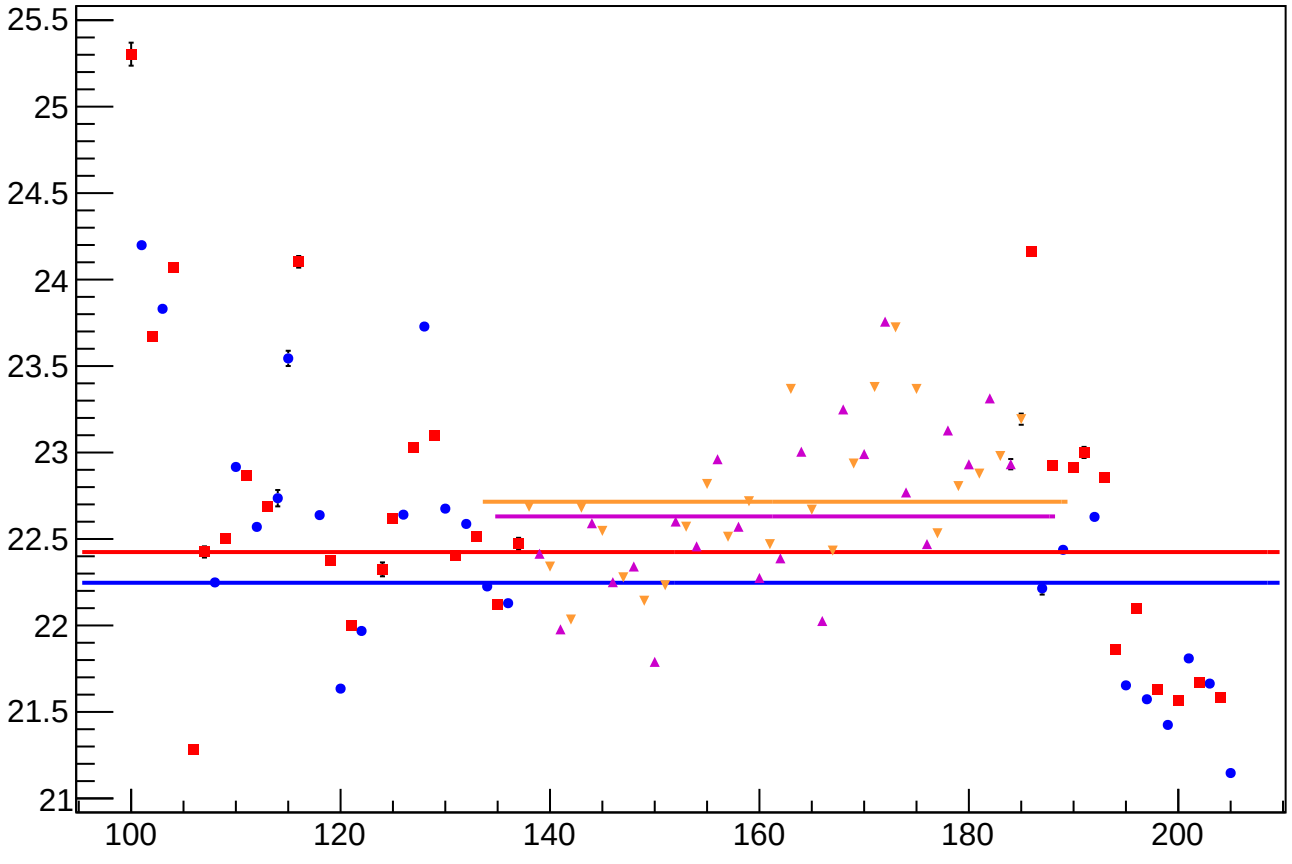
Right Out: -10.728+/-5.703 χ^2/NDF: 27.3/29

Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.746+/-3.893 χ^2/NDF: 64.6/49

All: -2.652+/-2.747 χ^2/NDF: 116.9/102

- sign -8.006+/-3.877 χ^2/NDF: 48.5/52



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

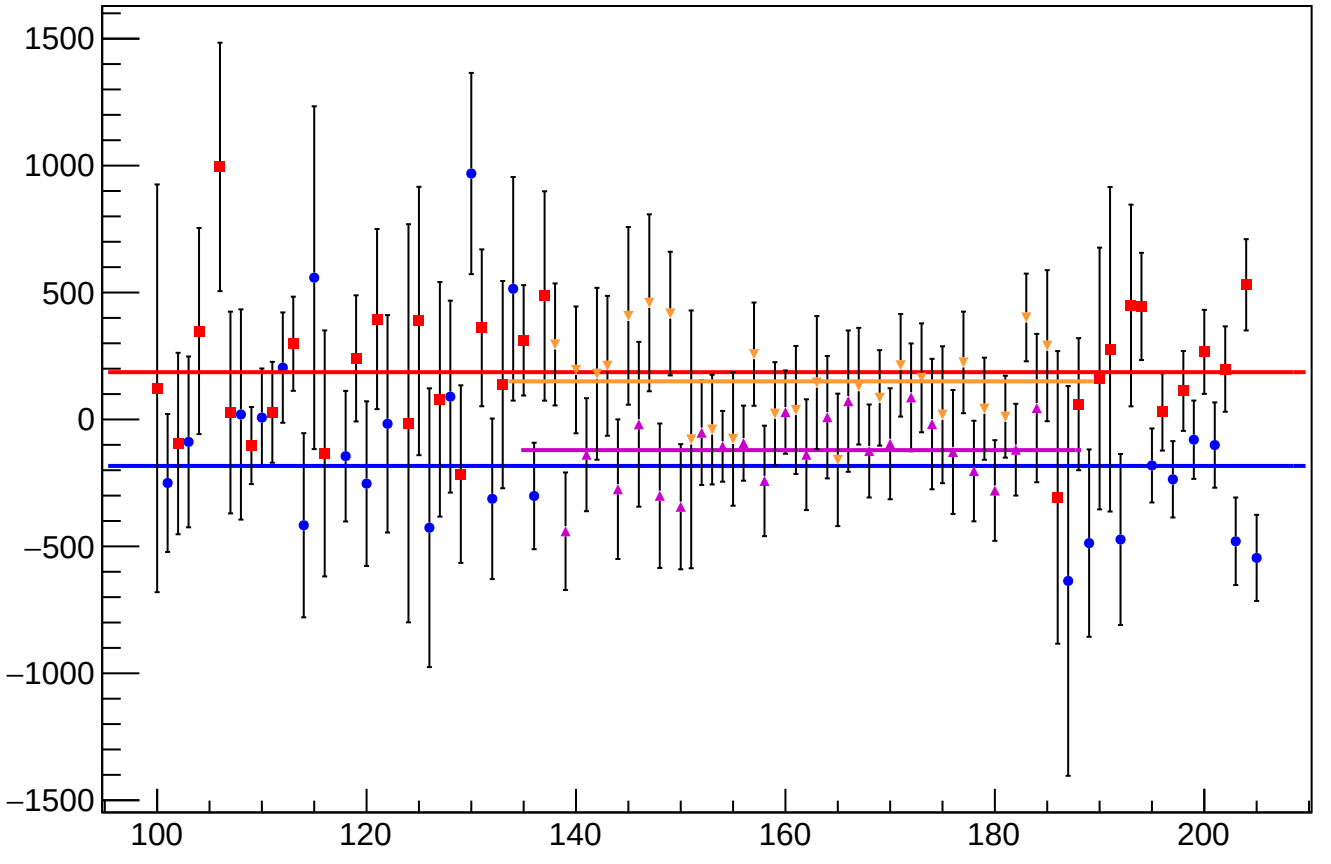
Right Out: 22.424+/-0.004 χ^2/NDF: 34965.1/29

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.513+/-0.003 χ^2/NDF: 53788.3/49

All: 22.524+/-0.002 χ^2/NDF: 105581.8/102

- sign 22.535+/-0.003 χ^2/NDF: 51761.5/52



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

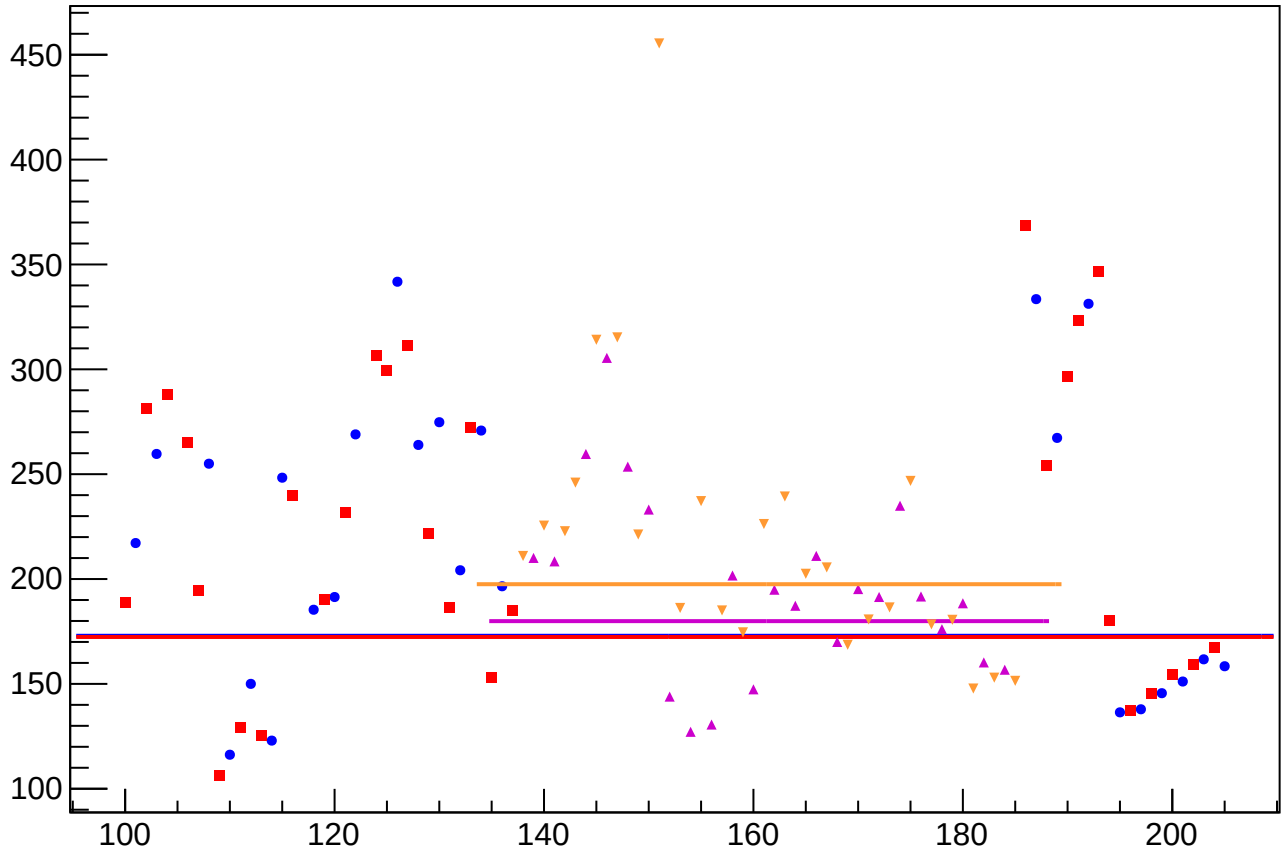
Right Out: 186.300+/-46.995 χ^2/NDF: 20.0/29

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -9.609+/-33.571 χ^2/NDF: 64.2/49

All: 7.117+/-23.196 χ^2/NDF: 115.4/102

- sign 22.397+/-32.088 χ^2/NDF: 50.7/52



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

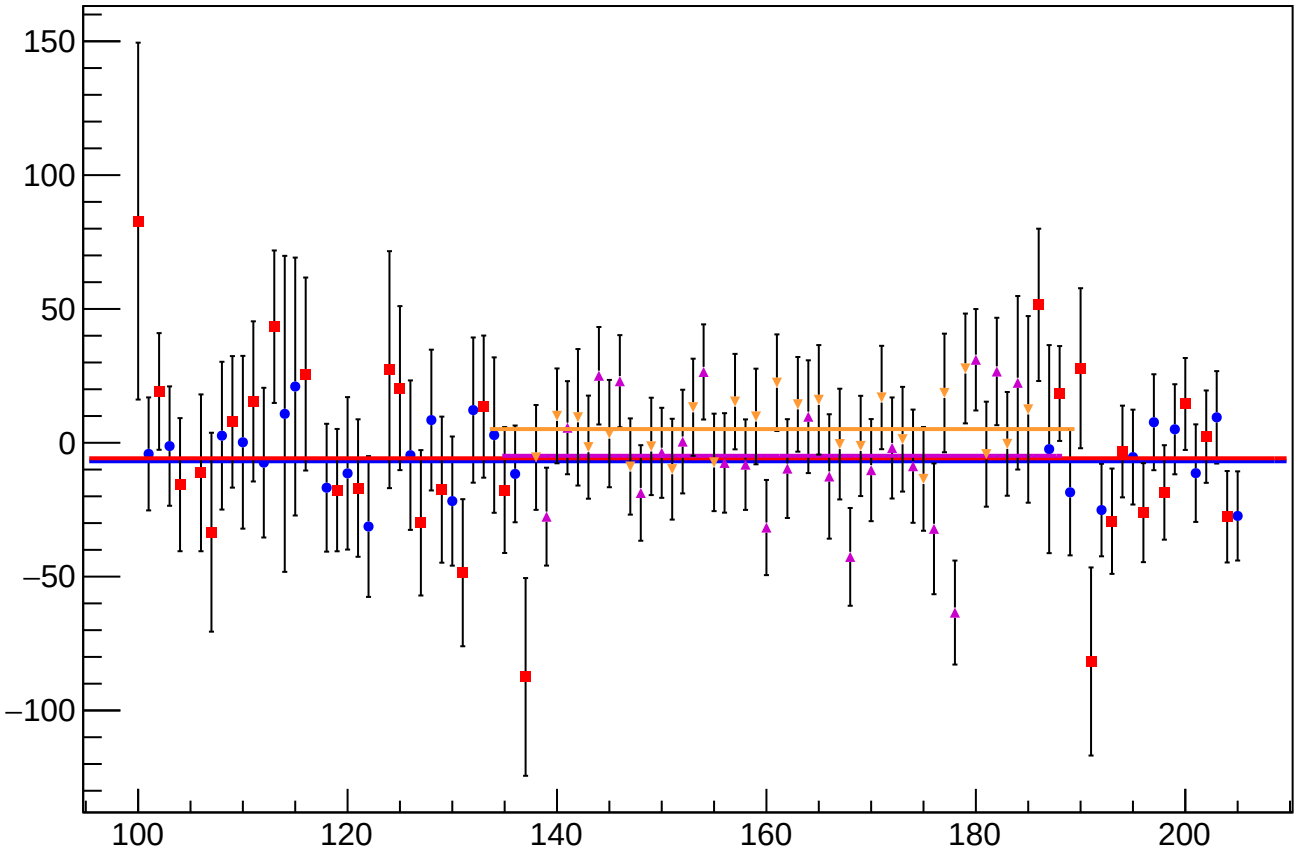
Right Out: 172.374+/-0.033 χ^2/NDF: 2918180.1/29

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 185.739+/-0.024 χ^2/NDF: 4285490.2/49

All: 180.861+/-0.016 χ^2/NDF: 8936181.4/102

- sign 176.404+/-0.023 χ^2/NDF: 4569872.9/52



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -5.787+/-4.375 χ^2/NDF: 37.5/29

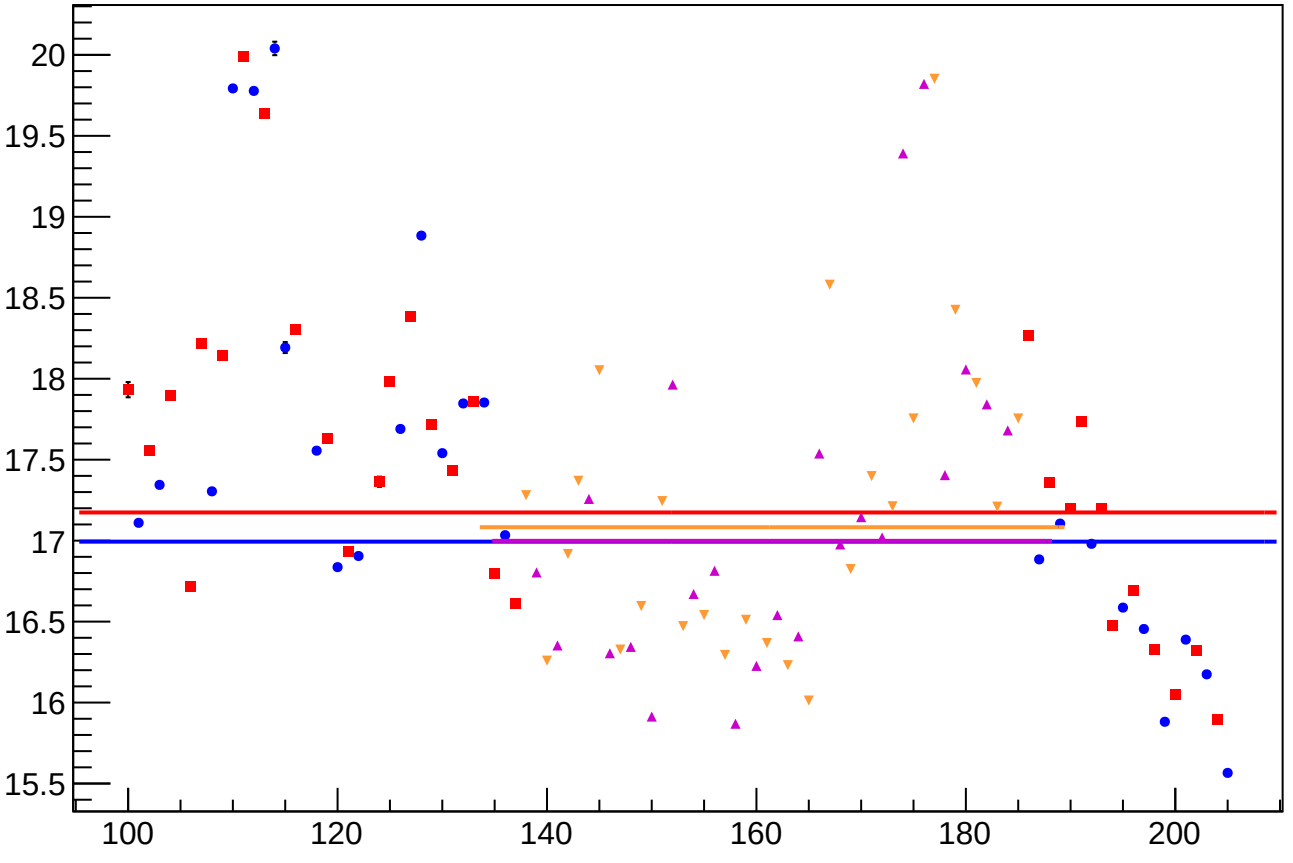
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.023+/-2.953 χ^2/NDF: 20.1/49

All: -2.636+/-2.085 χ^2/NDF: 94.7/102

- sign -5.279+/-2.944 χ^2/NDF: 73.0/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

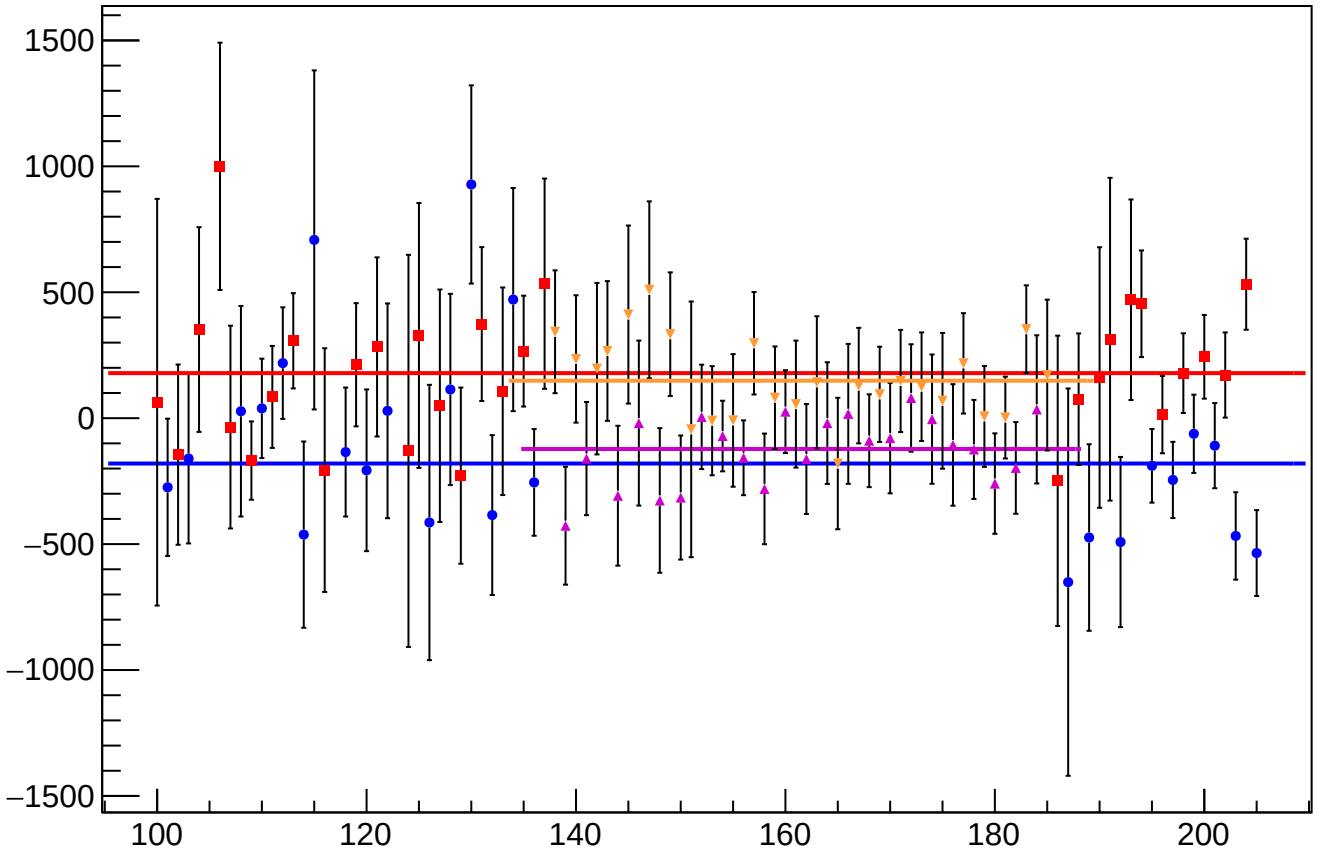
Right Out: 17.174+/-0.003 χ^2/NDF: 89687.5/29

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.045+/-0.002 χ^2/NDF: 190064.5/49

All: 17.062+/-0.001 χ^2/NDF: 385656.2/102

- sign 17.078+/-0.002 χ^2/NDF: 195466.4/52



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

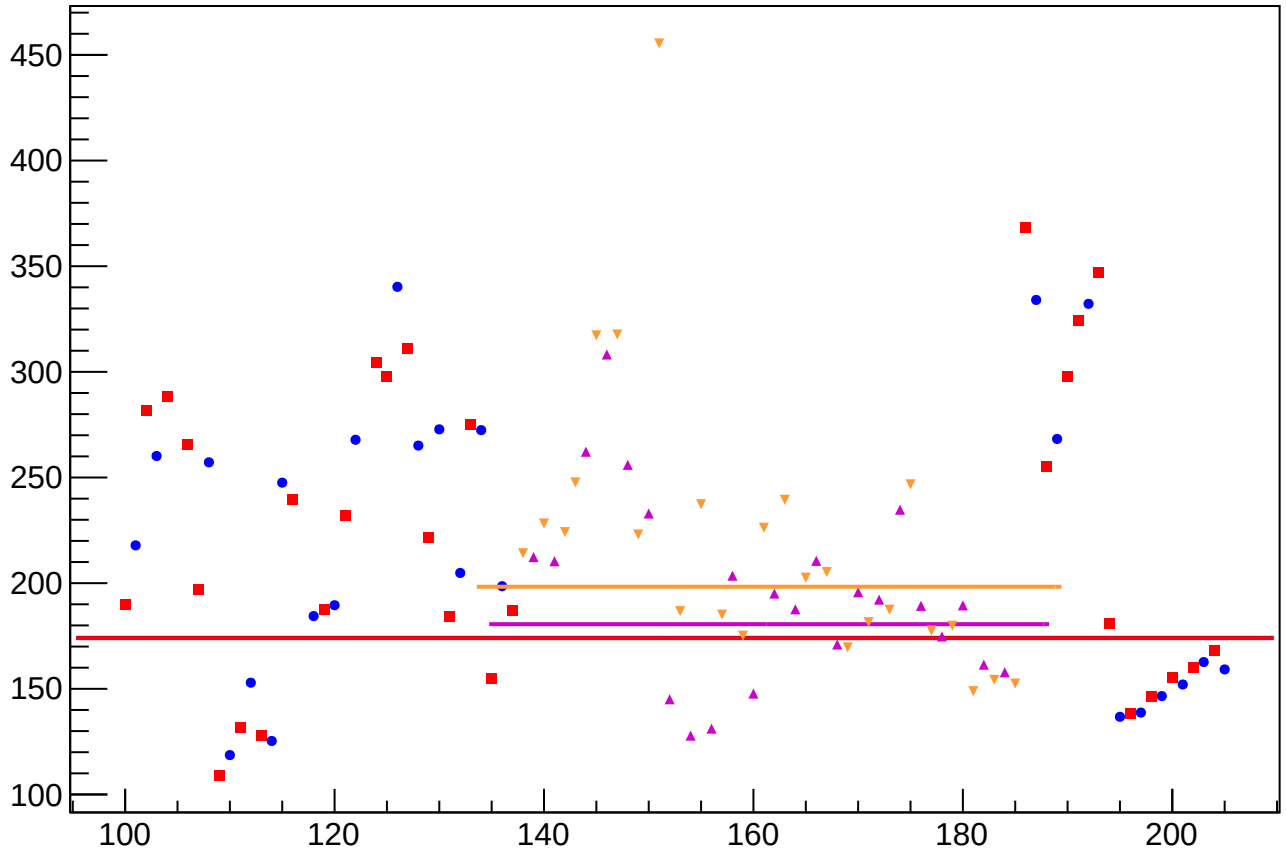
Right Out: 178.992+/-47.351 χ^2/NDF: 21.6/29

Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -8.571+/-33.735 χ^2/NDF: 62.0/49

All: 5.069+/-23.317 χ^2/NDF: 113.5/102

- sign 17.545+/-32.264 χ^2/NDF: 51.2/52



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

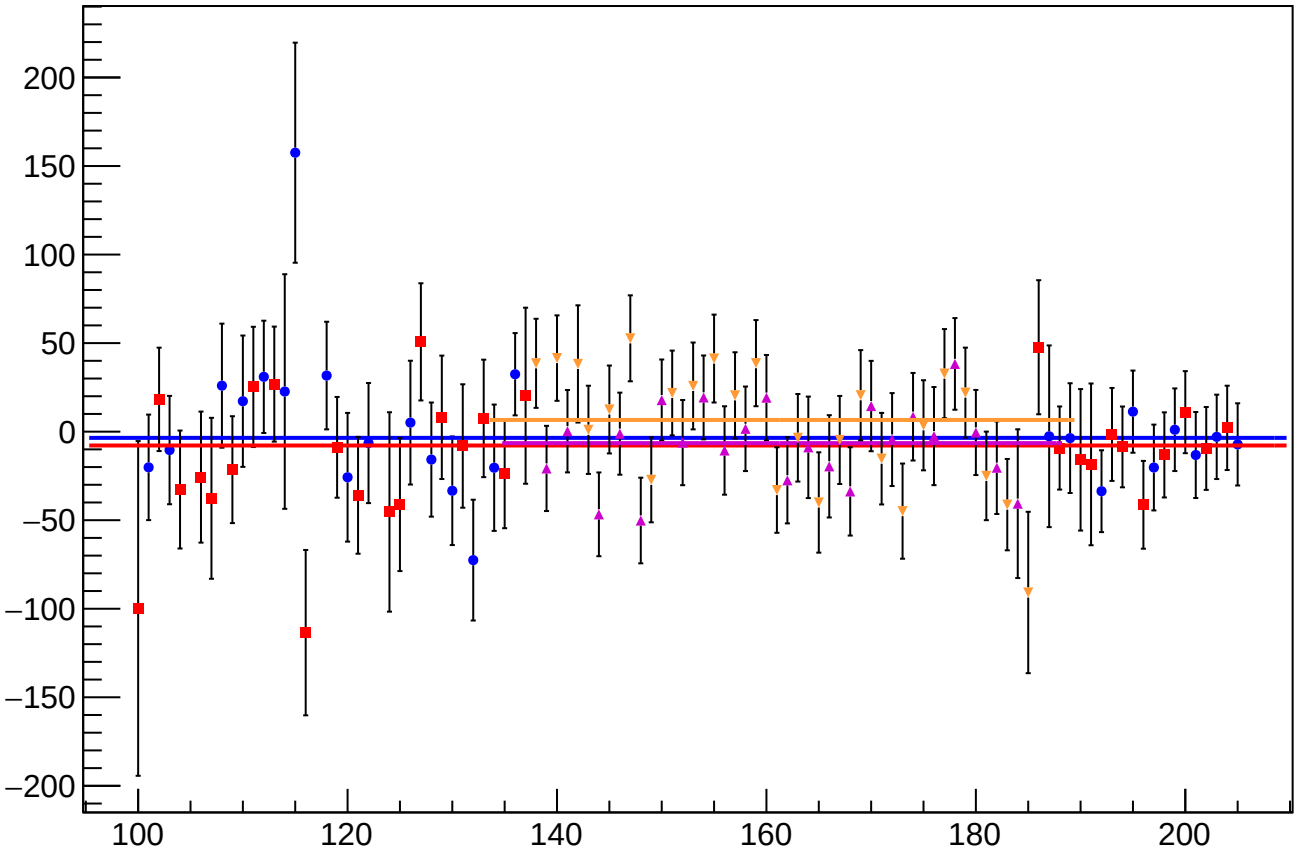
Right Out: 173.980+/-0.033 χ^2/NDF: 2825354.1/29

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 186.744+/-0.024 χ^2/NDF: 4231122.9/49

All: 181.930+/-0.016 χ^2/NDF: 8783466.2/102

- sign 177.527+/-0.023 χ^2/NDF: 4474375.9/52



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -7.815+/-5.709 χ^2/NDF: 21.5/29

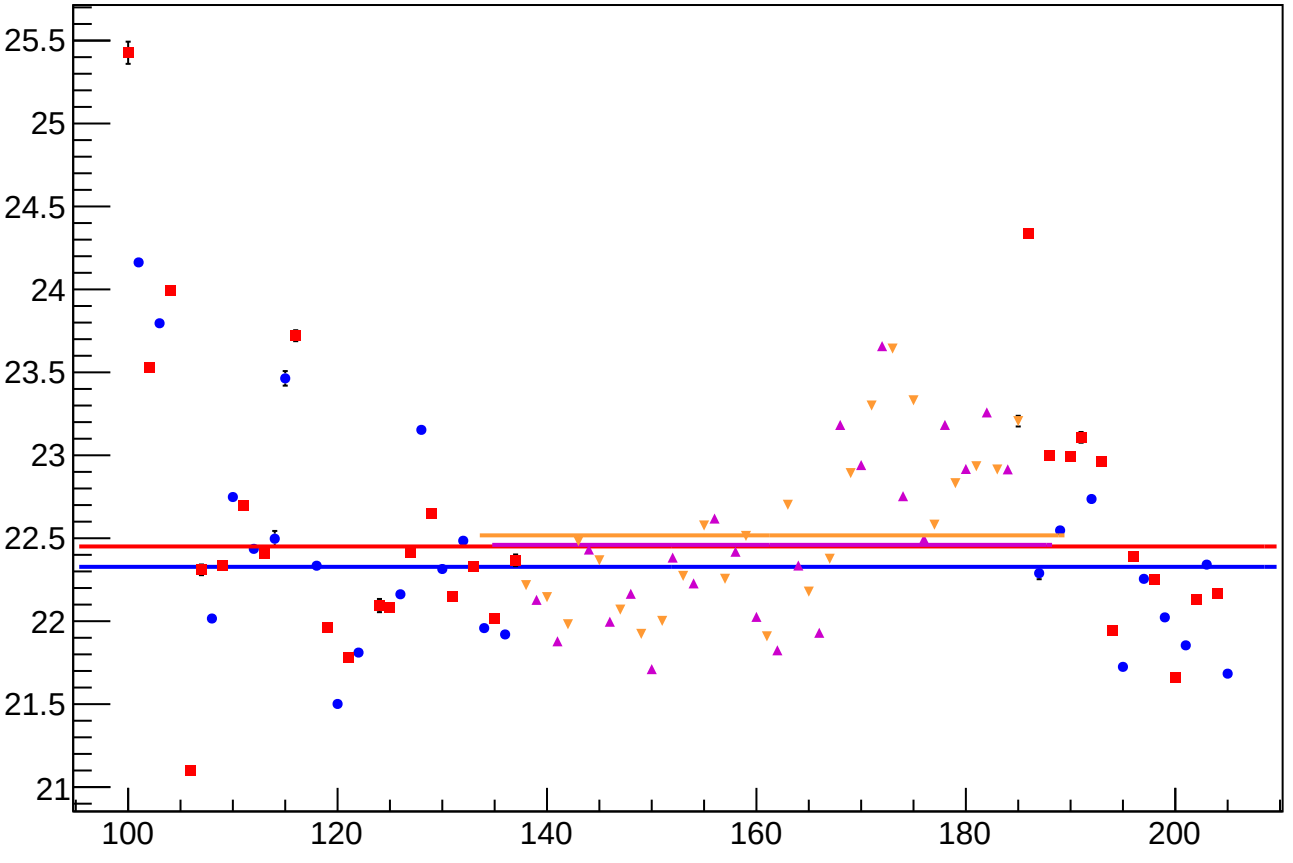
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.308+/-3.879 χ^2/NDF: 60.4/49

All: -2.412+/-2.737 χ^2/NDF: 102.3/102

- sign -7.092+/-3.863 χ^2/NDF: 39.0/52

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

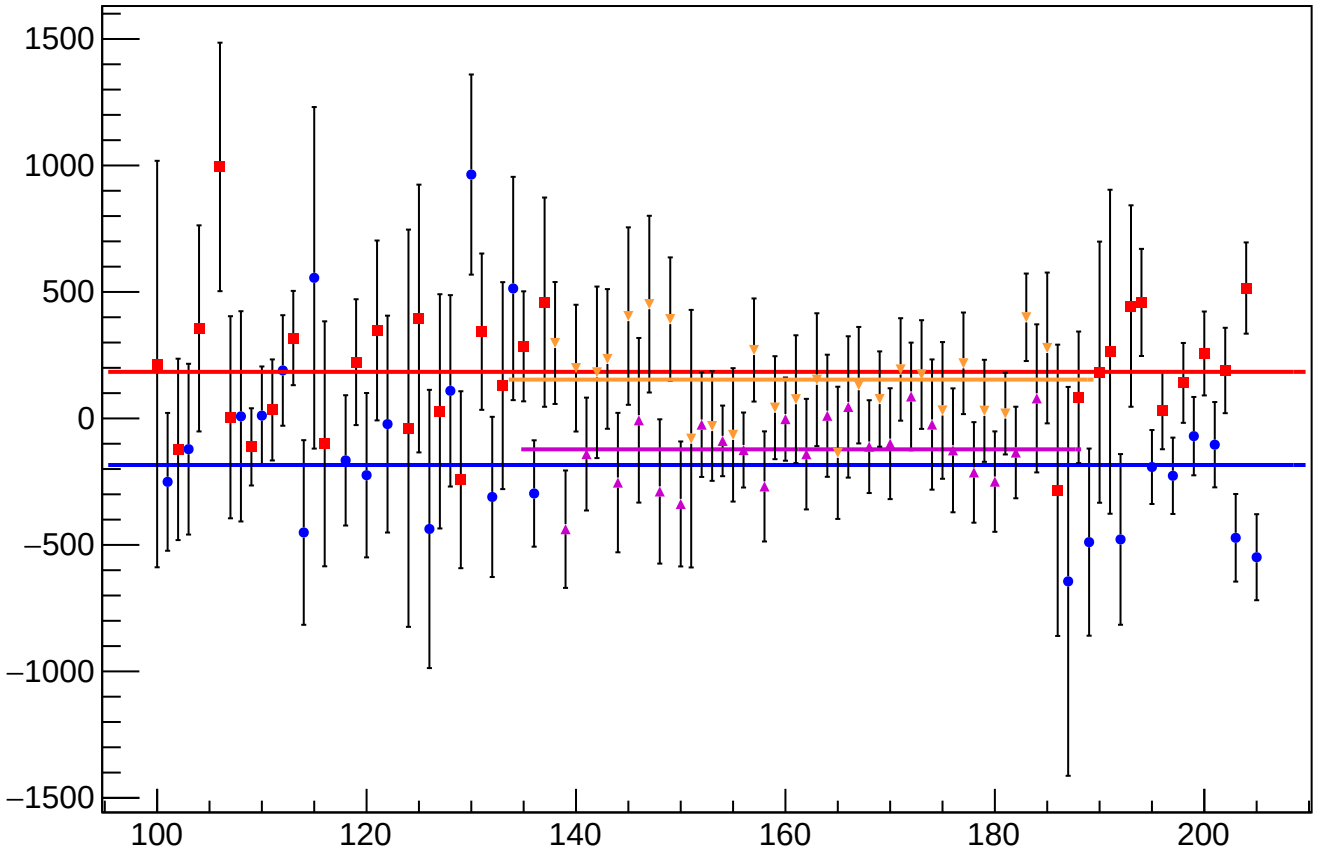
Right Out: 22.450+/-0.004 χ^2/NDF: 27369.7/29

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.437+/-0.003 χ^2/NDF: 38952.9/49

All: 22.446+/-0.002 χ^2/NDF: 85467.3/102

- sign 22.456+/-0.003 χ^2/NDF: 46490.0/52



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 184.131+/-47.135 χ^2/NDF: 19.6/29

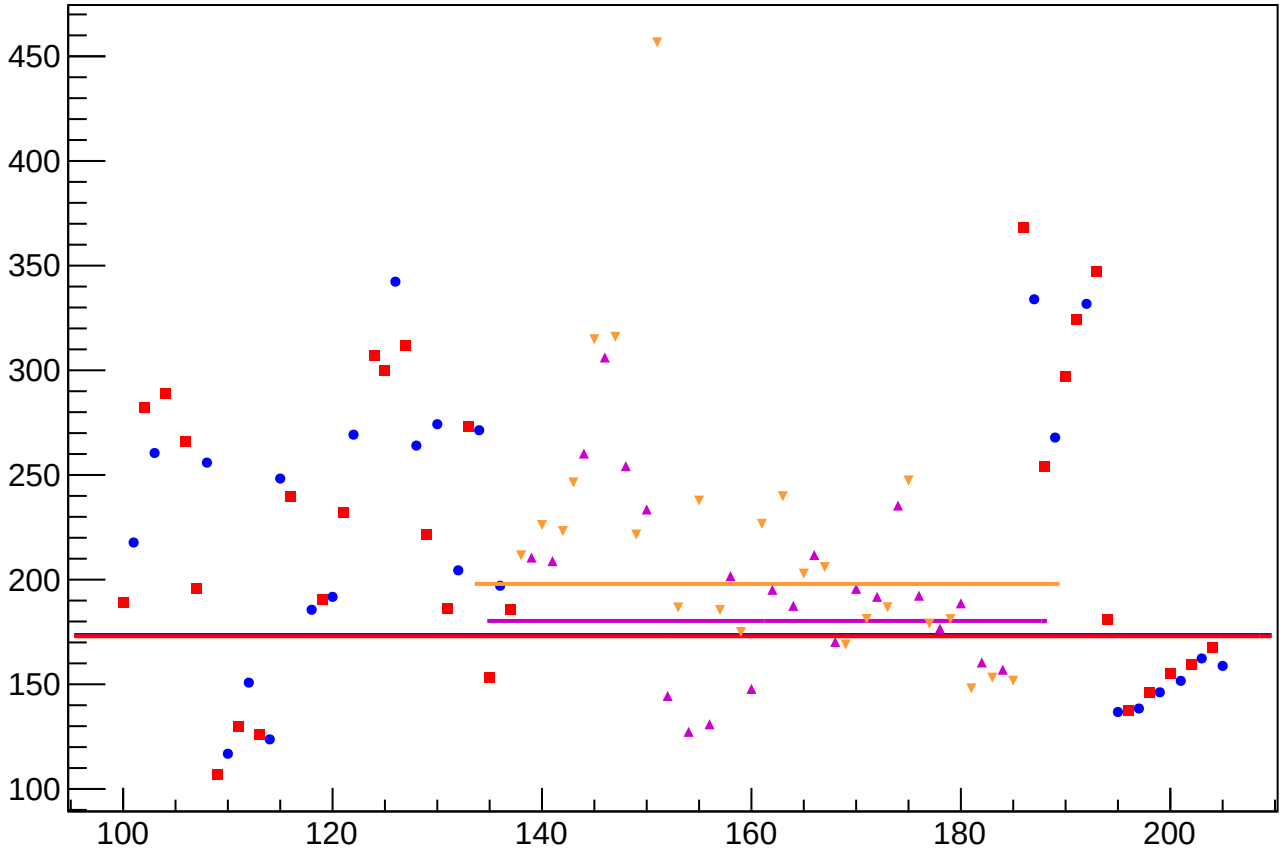
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -8.203+/-33.660 χ^2/NDF: 63.5/49

All: 6.788+/-23.255 χ^2/NDF: 113.5/102

- sign 20.479+/-32.166 χ^2/NDF: 49.7/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

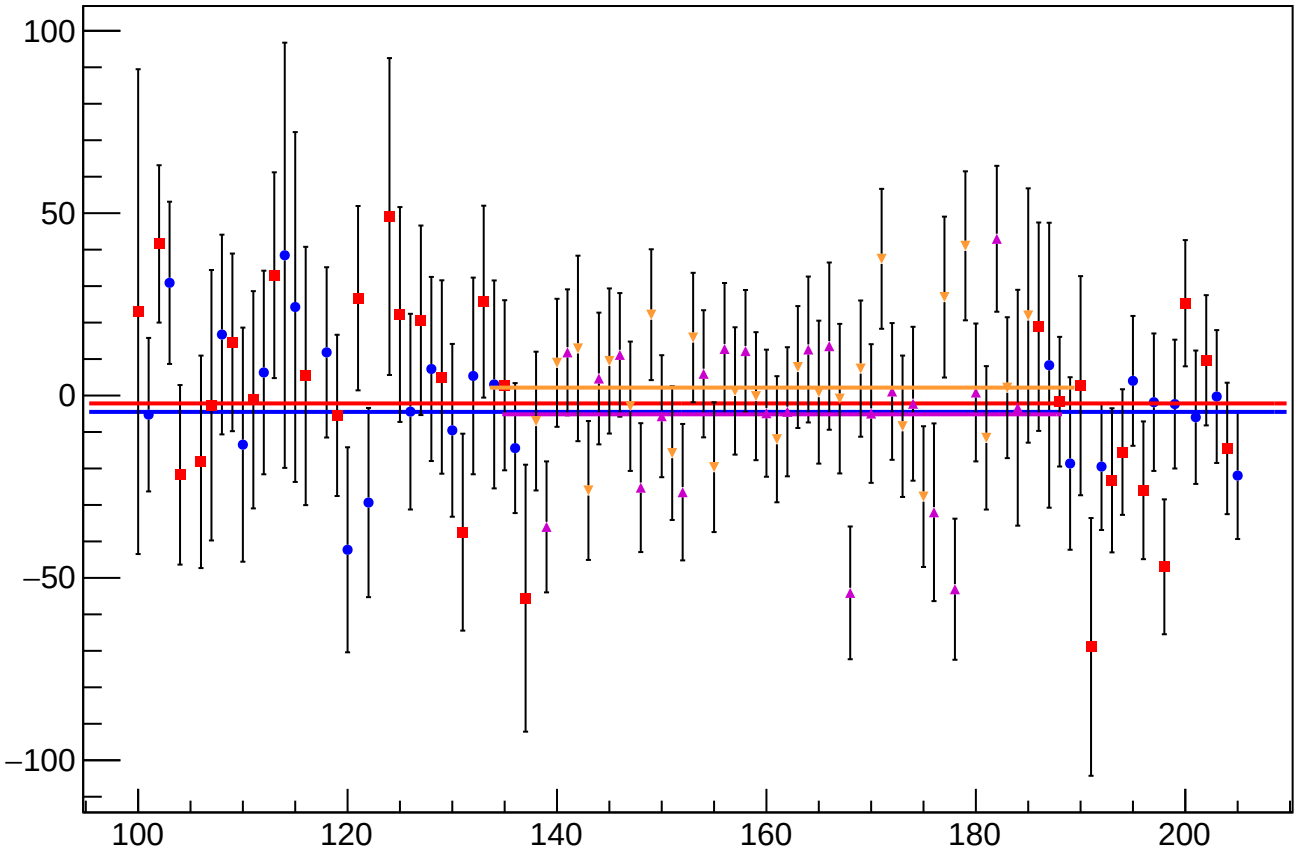
Right Out: 172.947+/-0.033 χ^2/NDF: 2899707.4/29

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 186.253+/-0.024 χ^2/NDF: 4268399.0/49

All: 181.345+/-0.016 χ^2/NDF: 8899994.8/102

- sign 176.862+/-0.023 χ^2/NDF: 4550215.7/52



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -2.164+/-4.389 χ^2/NDF: 33.3/29

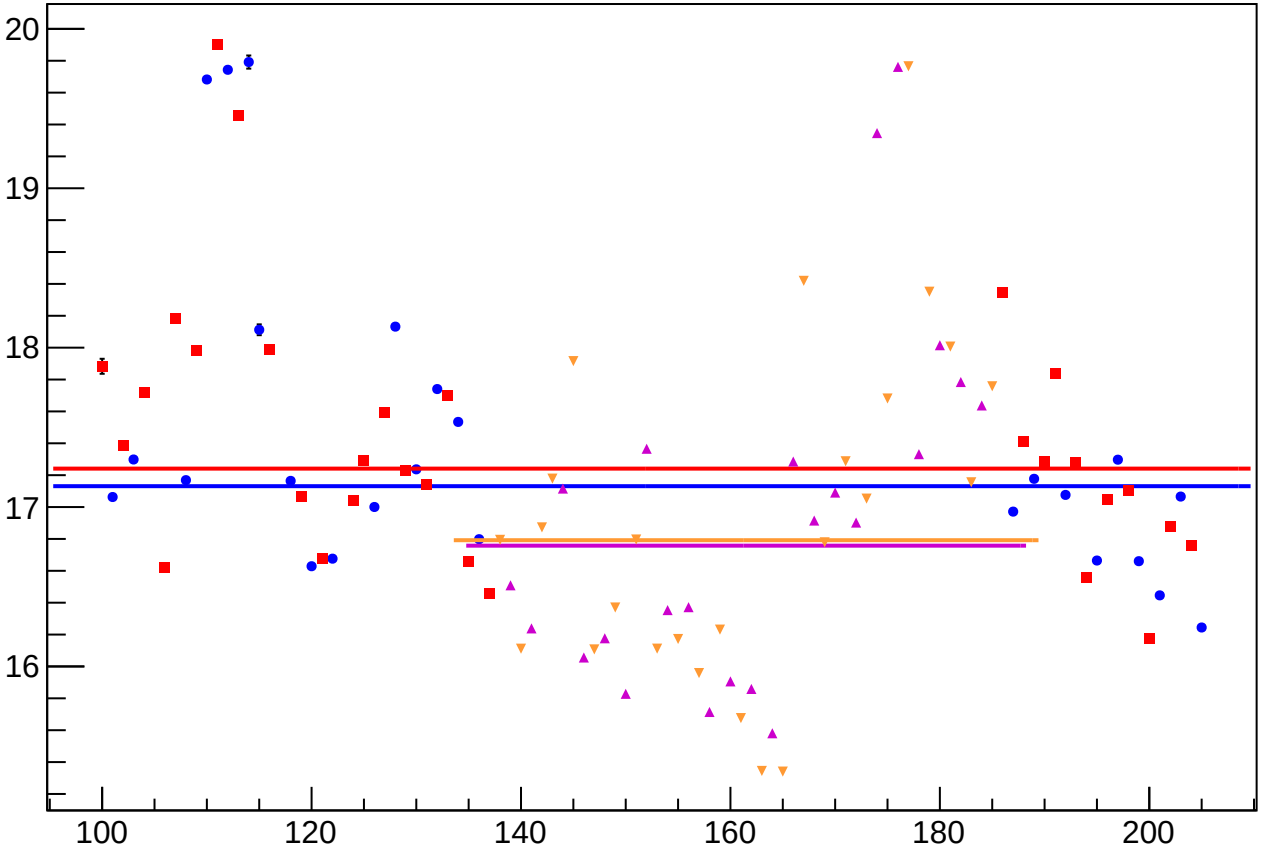
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.571+/-2.933 χ^2/NDF: 32.0/49

All: -2.201+/-2.071 χ^2/NDF: 98.5/102

- sign -3.824+/-2.925 χ^2/NDF: 65.8/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

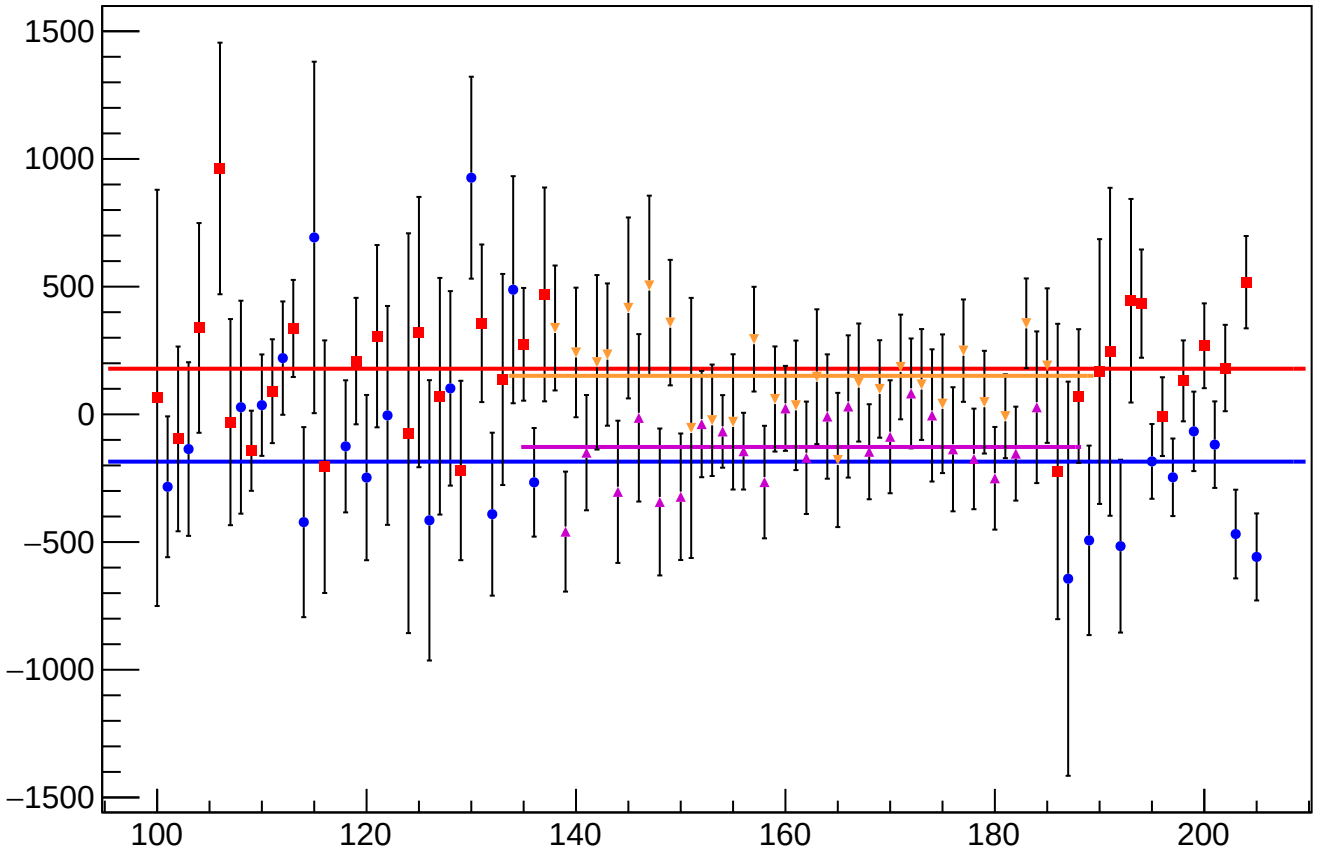
Right Out: 17.241+/-0.003 χ^2/NDF: 55721.1/29

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.932+/-0.002 χ^2/NDF: 196418.8/49

All: 16.952+/-0.001 χ^2/NDF: 389123.0/102

- sign 16.973+/-0.002 χ^2/NDF: 192509.6/52



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

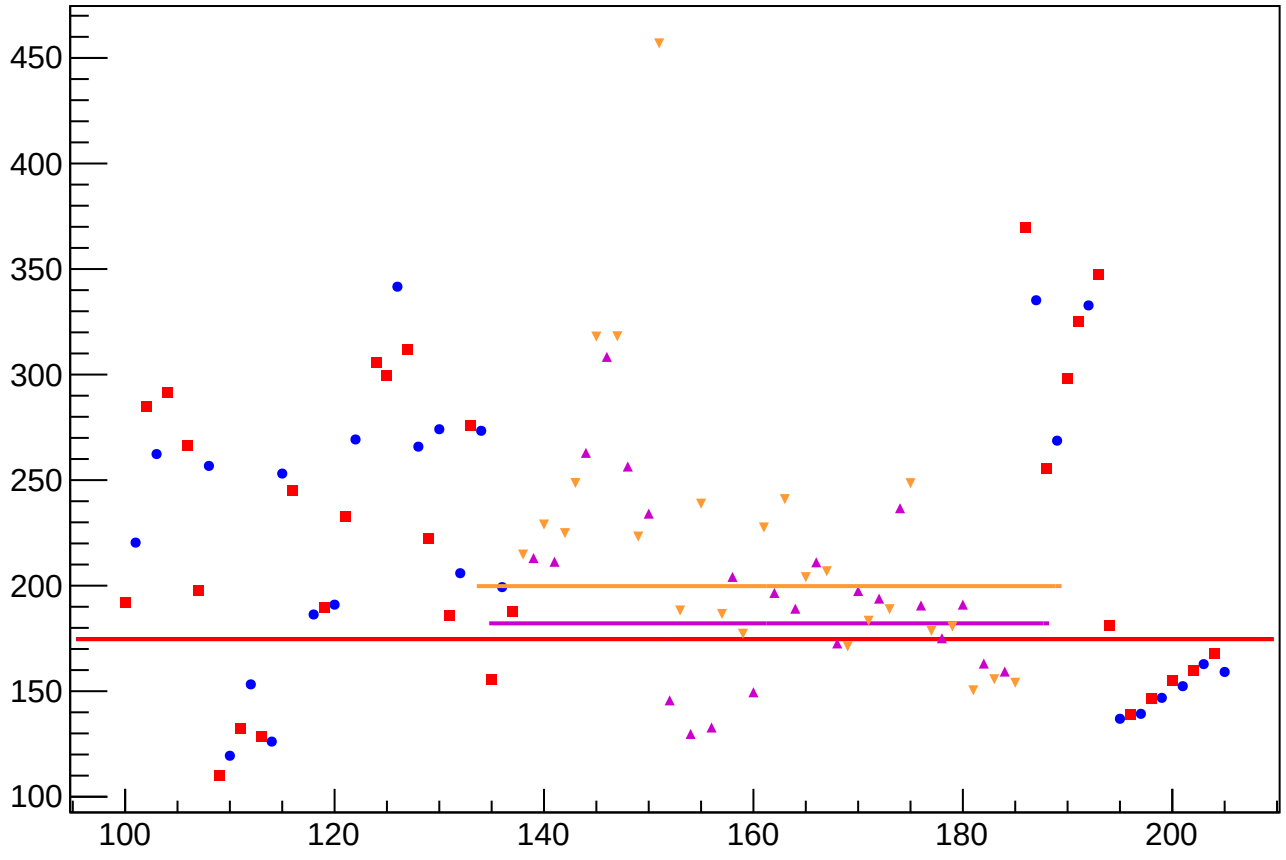
Right Out: 178.655+/-47.527 χ^2/NDF: 19.8/29

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -10.487+/-33.910 χ^2/NDF: 63.6/49

All: 2.896+/-23.447 χ^2/NDF: 113.8/102

- sign 15.154+/-32.455 χ^2/NDF: 49.8/52



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

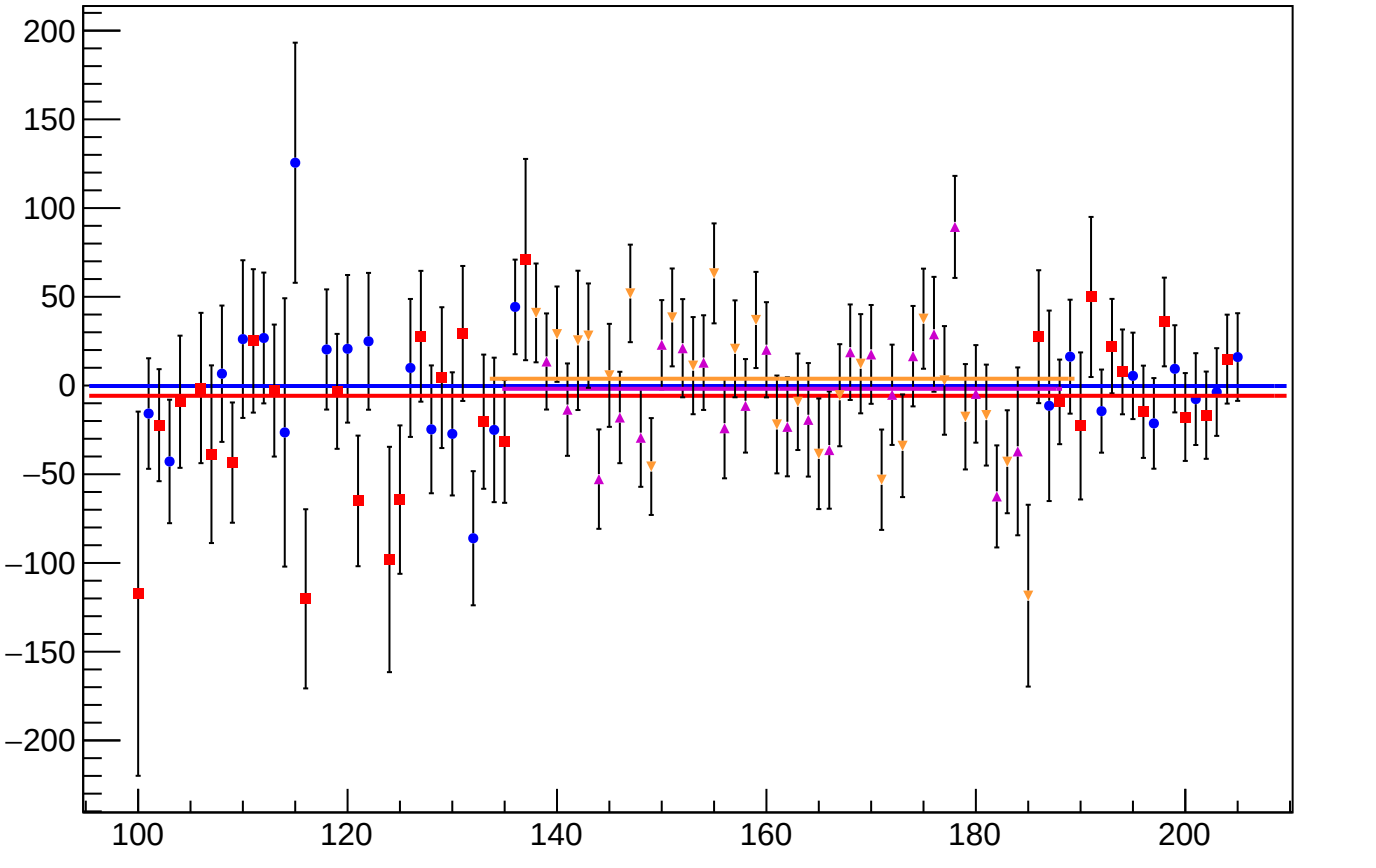
Right Out: 174.653+/-0.034 χ^2/NDF: 2827521.3/29

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 187.735+/-0.024 χ^2/NDF: 4228022.4/49

All: 182.996+/-0.017 χ^2/NDF: 8741307.6/102

- sign 178.654+/-0.023 χ^2/NDF: 4438436.0/52



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

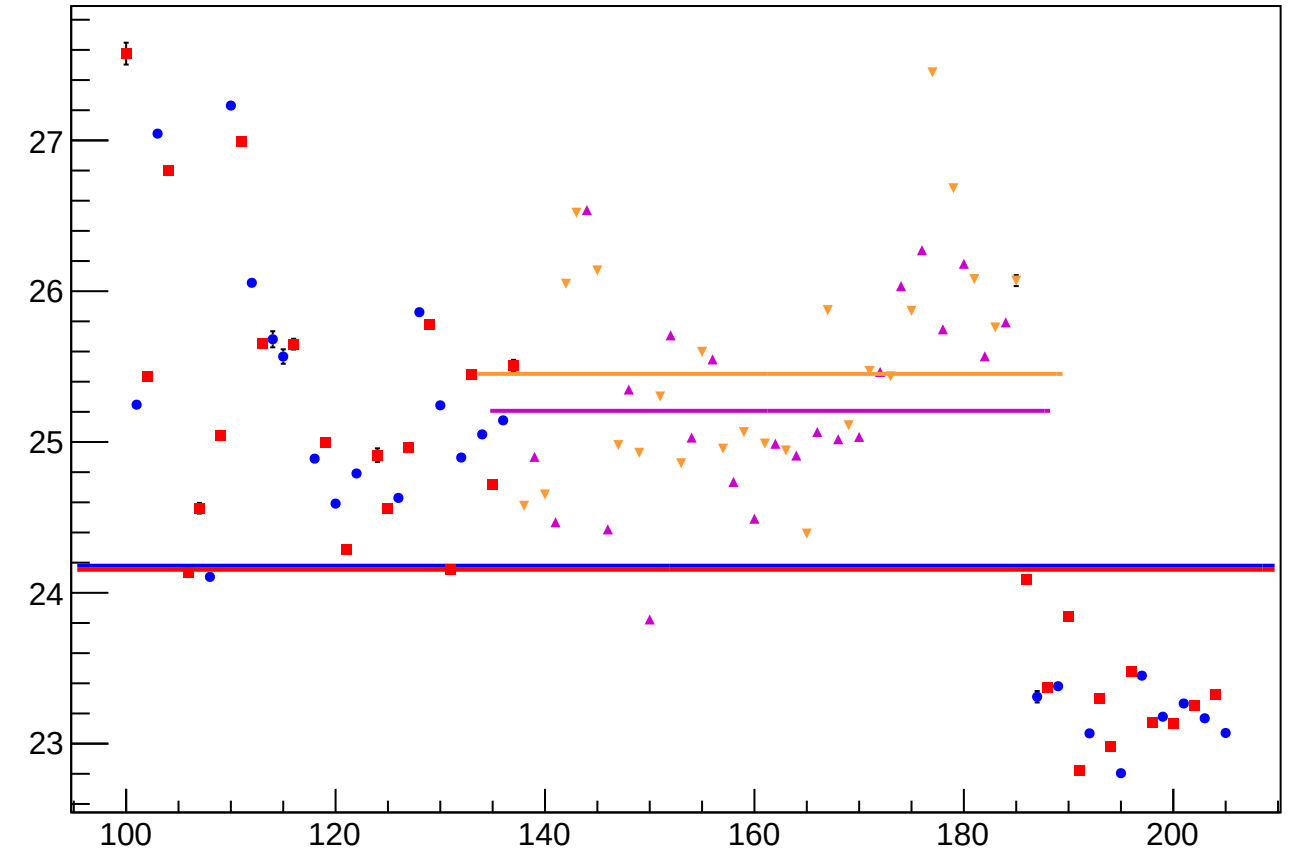
Right Out: -5.791+/-6.148 χ^2/NDF: 27.7/29

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.998+/-4.308 χ^2/NDF: 56.7/49

All: -0.905+/-3.027 χ^2/NDF: 113.6/102

- sign -3.737+/-4.254 χ^2/NDF: 56.0/52



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

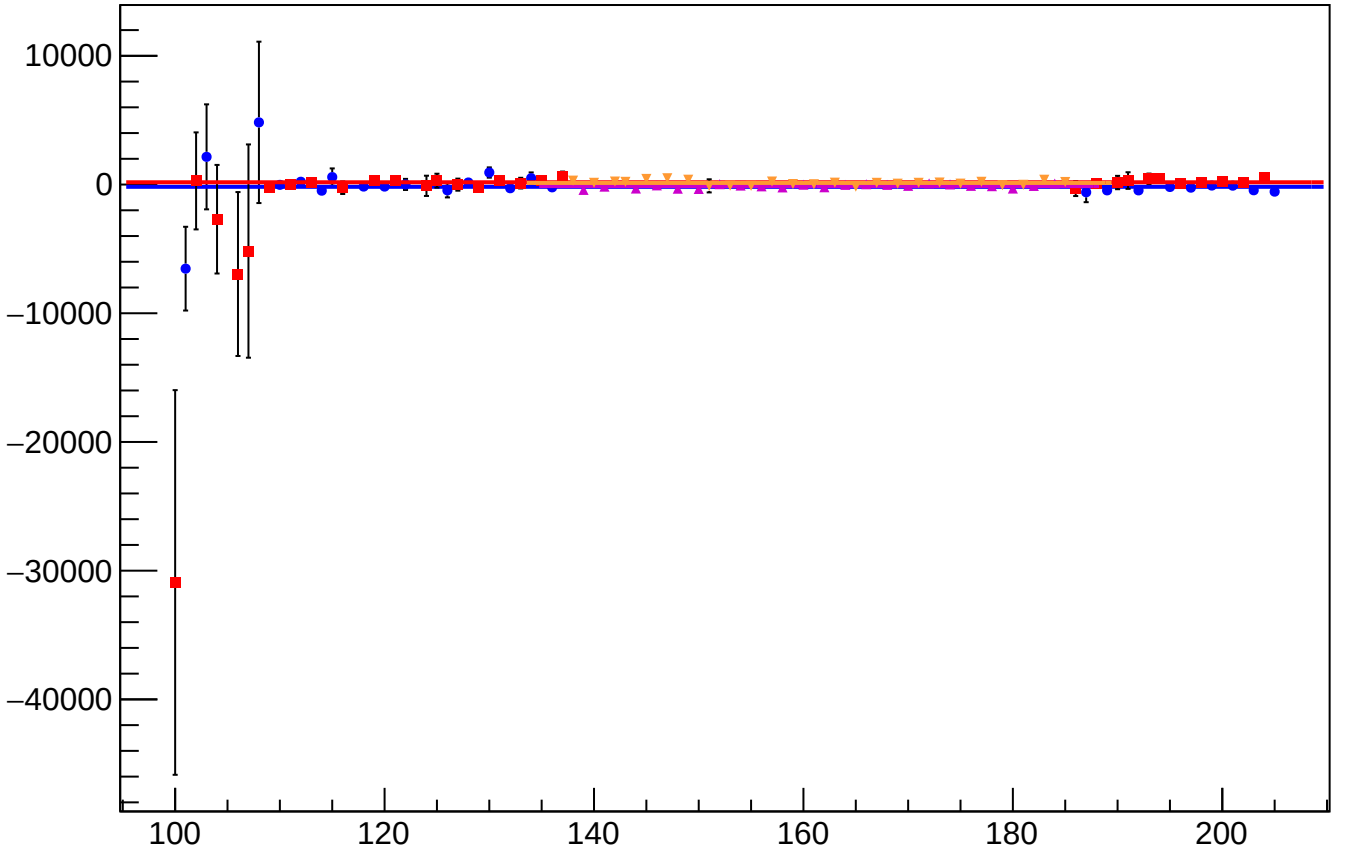
Right Out: 24.153+/-0.004 χ^2/NDF: 65967.3/29

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.884+/-0.003 χ^2/NDF: 144682.9/49

All: 24.792+/-0.002 χ^2/NDF: 268918.5/102

- sign 24.702+/-0.003 χ^2/NDF: 122428.4/52



Right In: -176.053+/-51.481 χ^2/NDF: 31.2/24

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 177.037+/-50.725 χ^2/NDF: 21.6/29

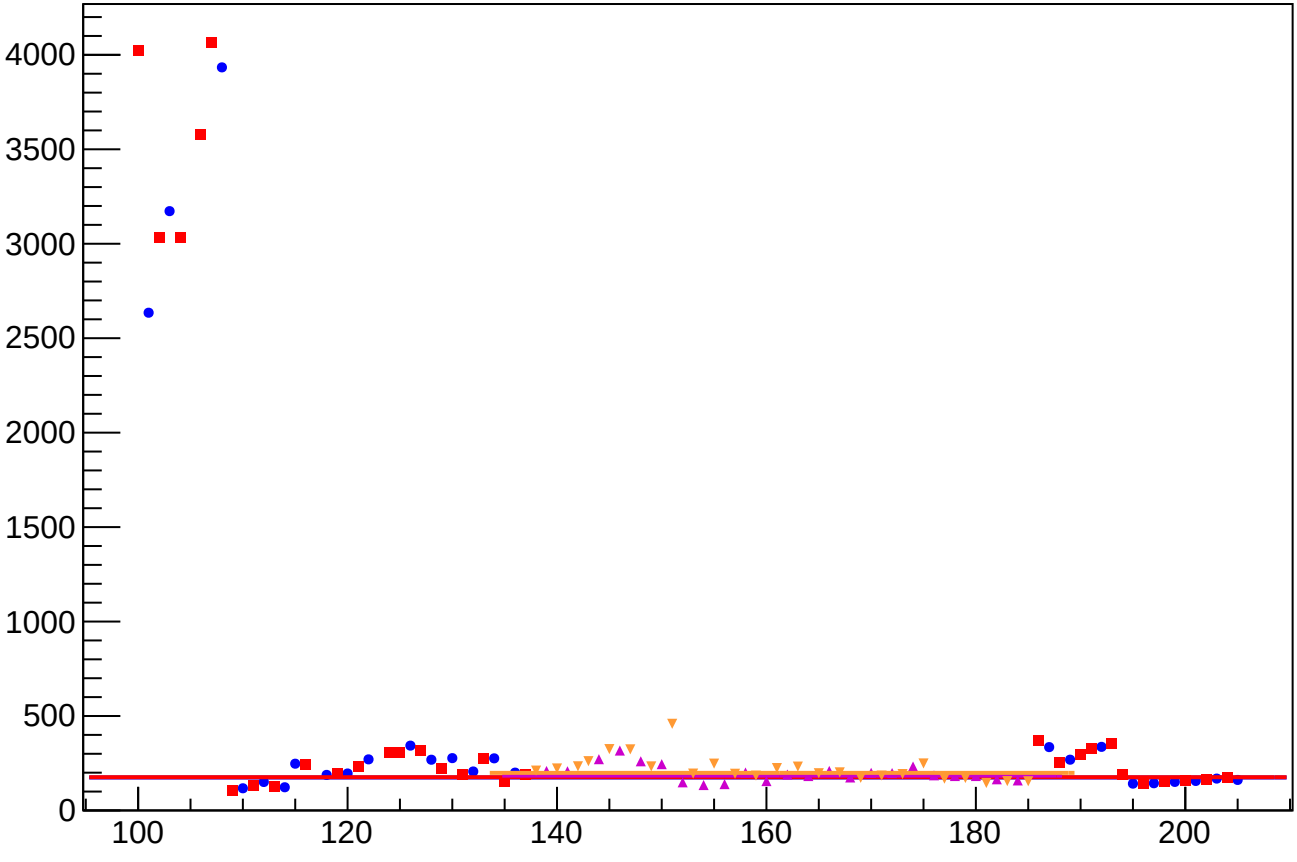
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -11.531+/-34.680 χ^2/NDF: 61.0/49

All: 0.561+/-24.135 χ^2/NDF: 109.7/102

- sign 11.917+/-33.609 χ^2/NDF: 48.5/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.401+/-0.036 χ^2/NDF: 4814510.0/24

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

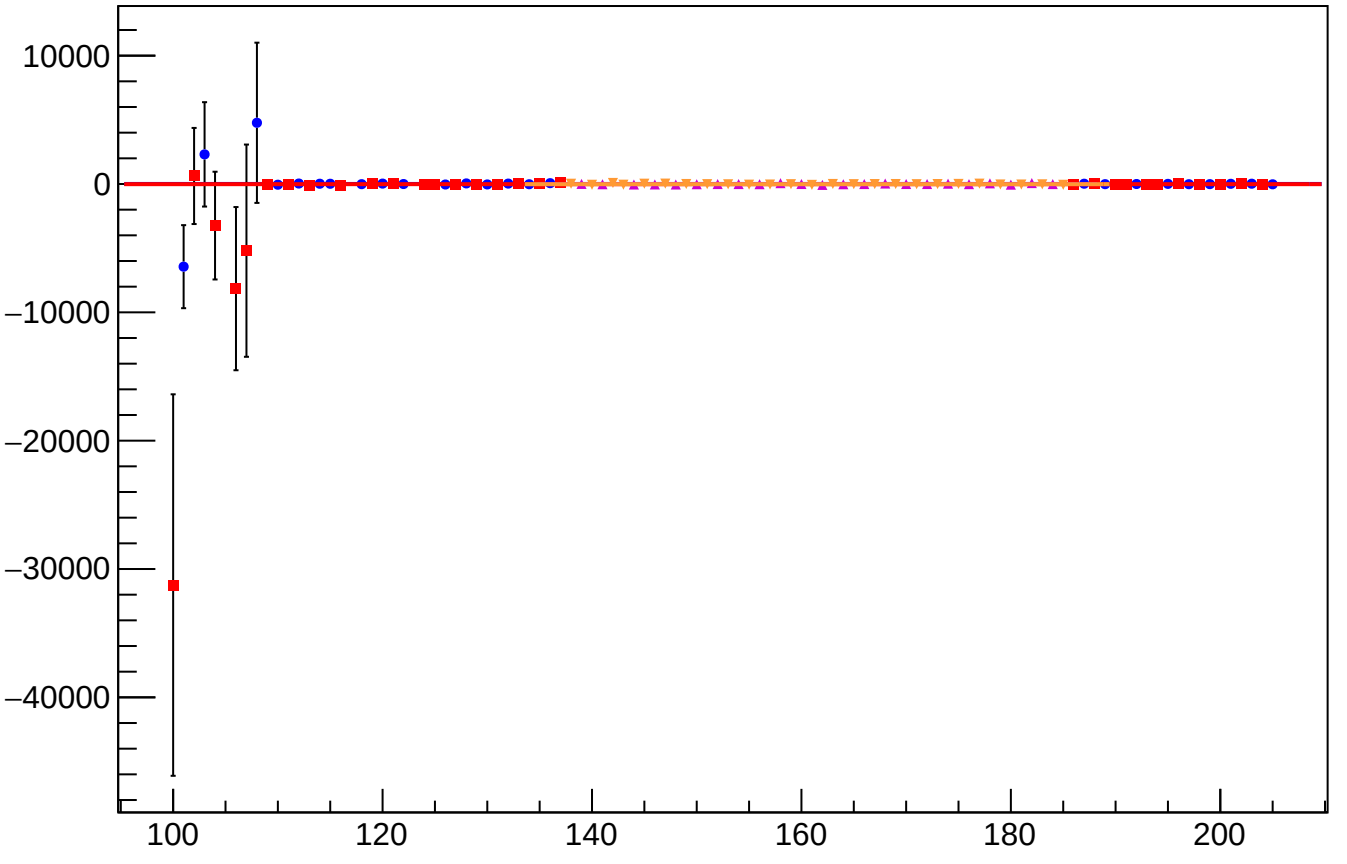
Right Out: 175.976+/-0.036 χ^2/NDF: 5482377.7/29

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 187.834+/-0.025 χ^2/NDF: 6965942.2/49

All: 184.156+/-0.017 χ^2/NDF: 13969181.1/10

- sign 180.701+/-0.024 χ^2/NDF: 6959616.0/52



Right In: 3.530+/-7.779 χ^2/NDF: 18.6/24

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -12.572+/-7.531 χ^2/NDF: 29.4/29

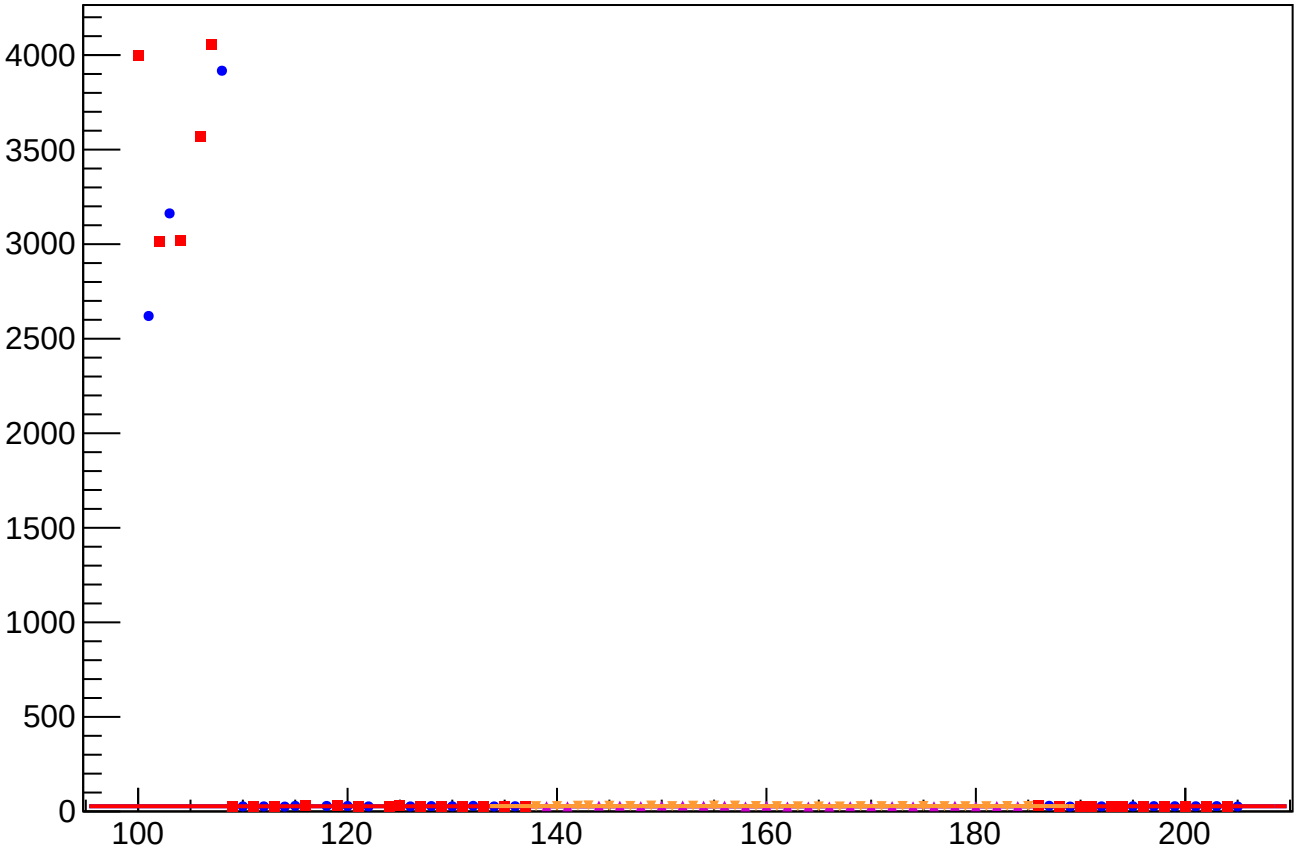
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

\+ sign -7.264+/-4.993 χ^2/NDF: 44.2/49

All: -7.017+/-3.536 χ^2/NDF: 103.0/102

\- sign -6.769+/-5.007 χ^2/NDF: 58.8/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.441+/-0.006 χ^2/NDF: 3278827.5/24

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

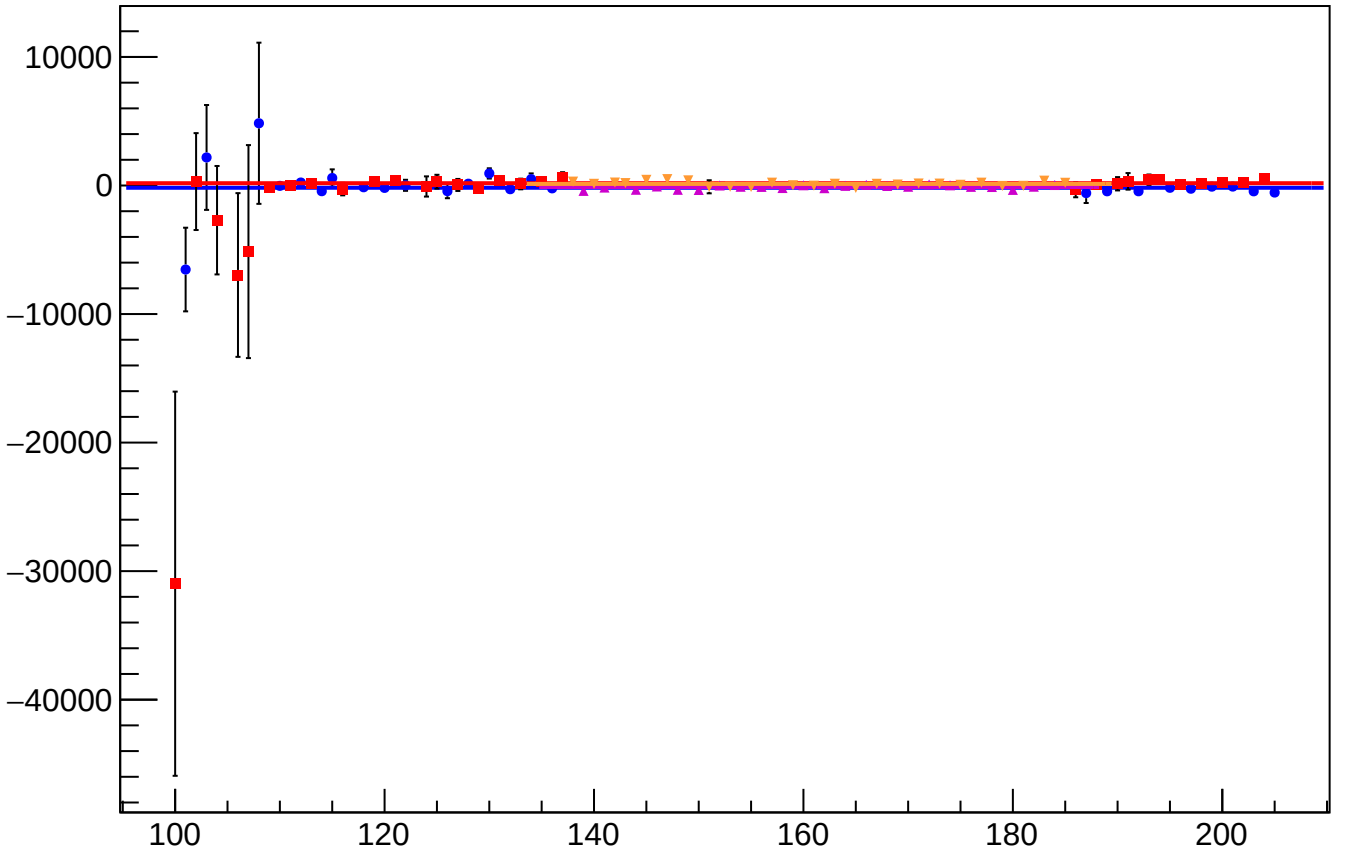
Right Out: 27.521+/-0.005 χ^2/NDF: 3583579.3/29

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.114+/-0.004 χ^2/NDF: 3392433.3/49

All: 28.120+/-0.003 χ^2/NDF: 7122122.5/102

- sign 28.126+/-0.004 χ^2/NDF: 3729683.4/52



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

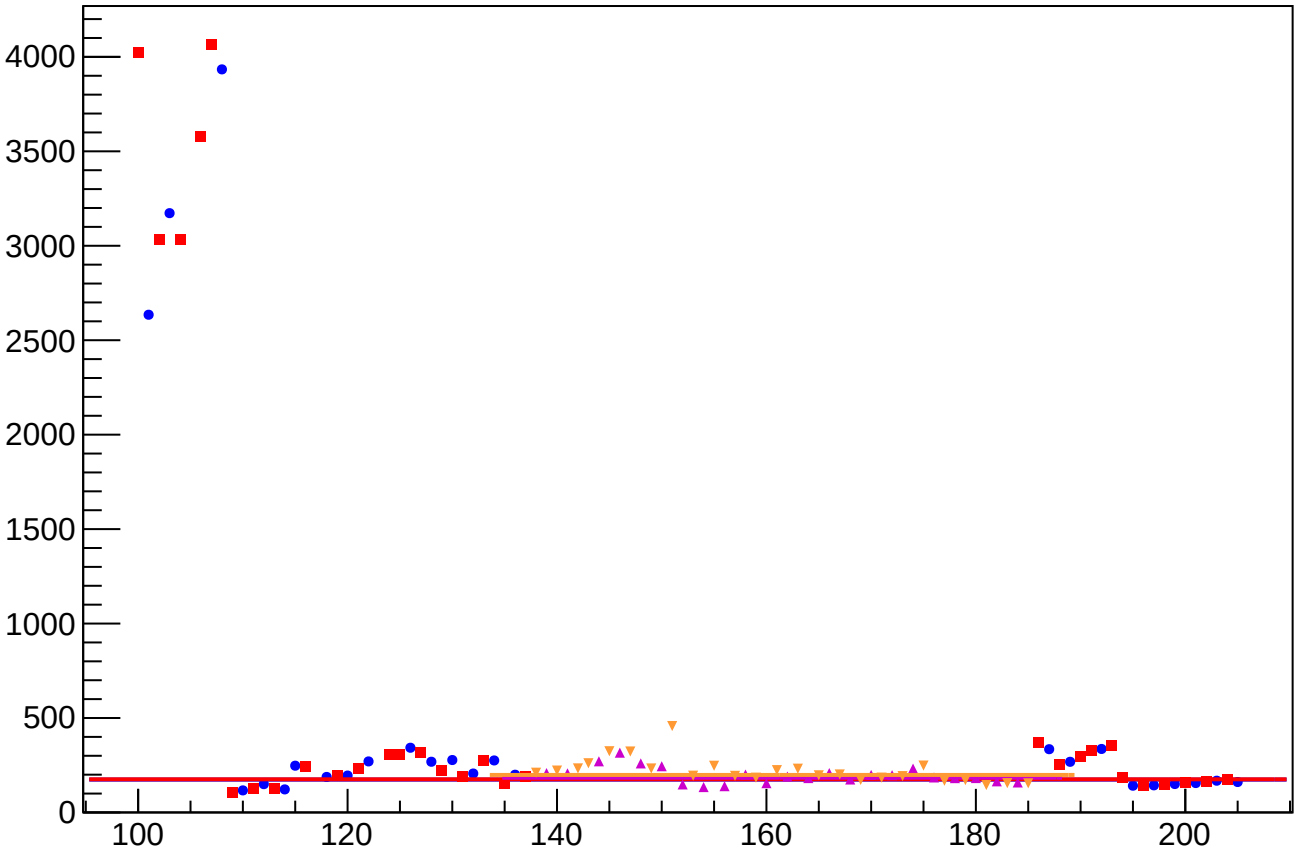
Right Out: 178.956+/-50.586 χ^2/NDF: 22.3/29

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -13.279+/-34.592 χ^2/NDF: 61.7/49

All: 0.512+/-24.077 χ^2/NDF: 111.8/102

- sign 13.470+/-33.533 χ^2/NDF: 49.8/52



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

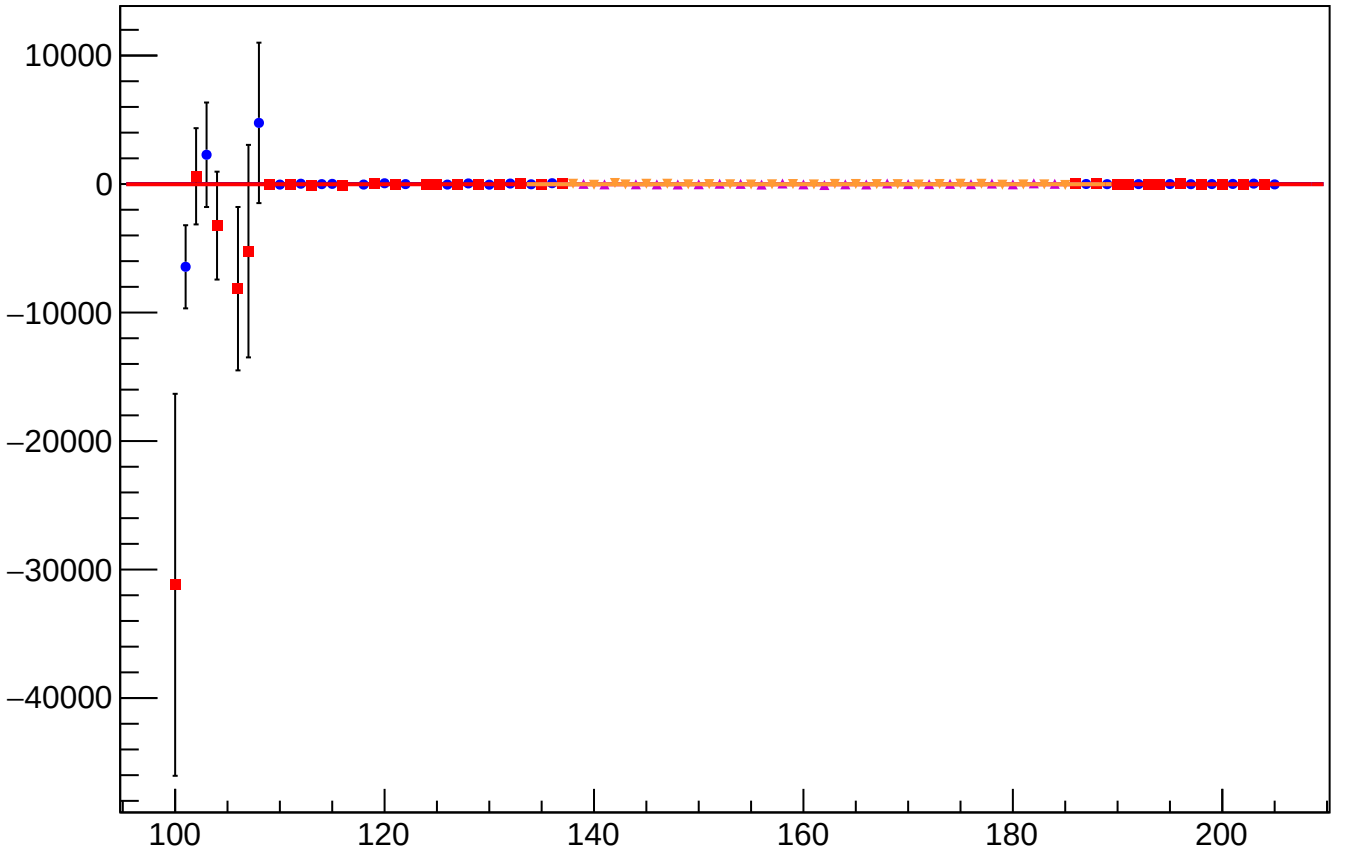
Right Out: 175.430+/-0.036 χ^2/NDF: 5500672.8/29

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 187.331+/-0.024 χ^2/NDF: 6983648.3/49

All: 183.687+/-0.017 χ^2/NDF: 14005361.5/10

- sign 180.263+/-0.024 χ^2/NDF: 6978664.1/52



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -15.249+/-7.523 χ^2/NDF: 28.7/29

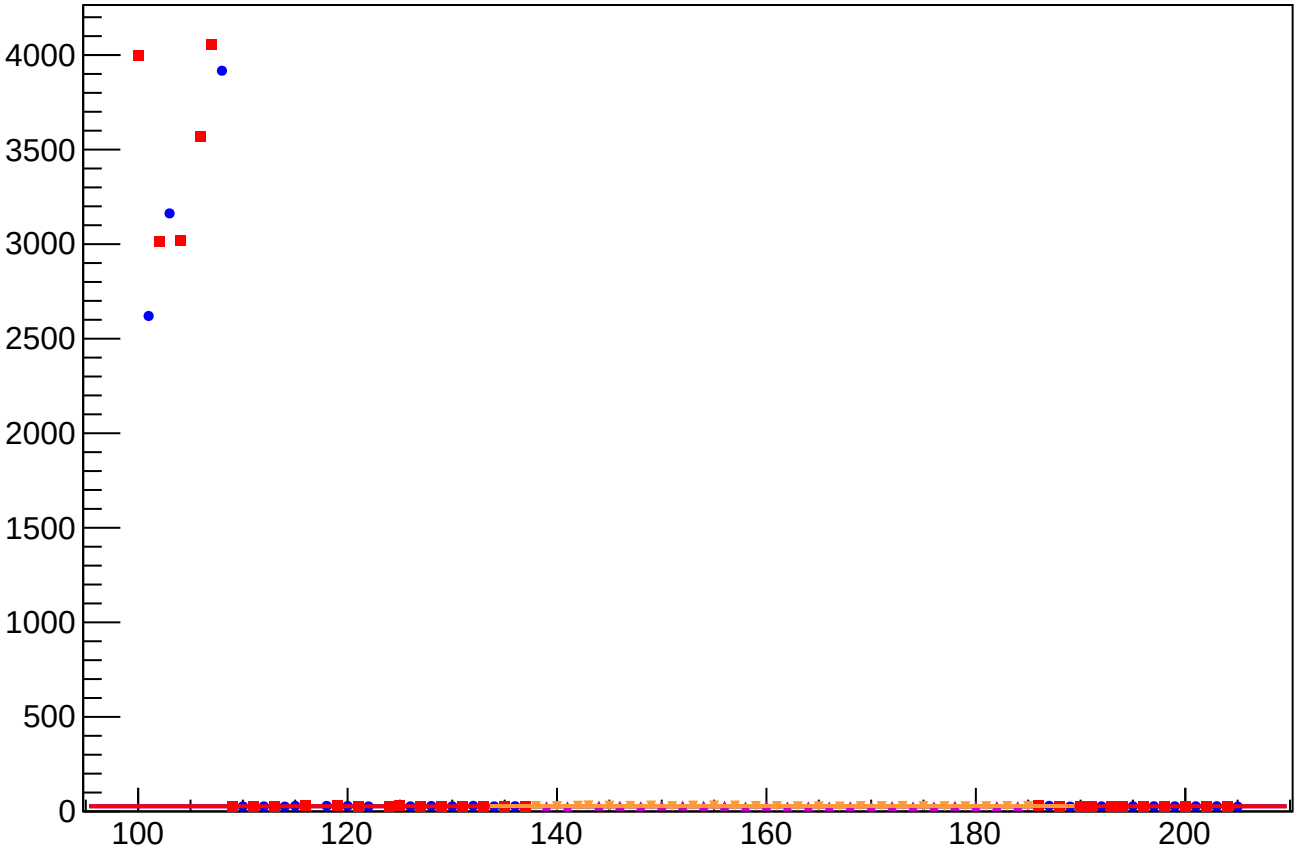
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.177+/-5.002 χ^2/NDF: 40.9/49

All: -7.192+/-3.542 χ^2/NDF: 93.5/102

- sign -8.212+/-5.017 χ^2/NDF: 52.5/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

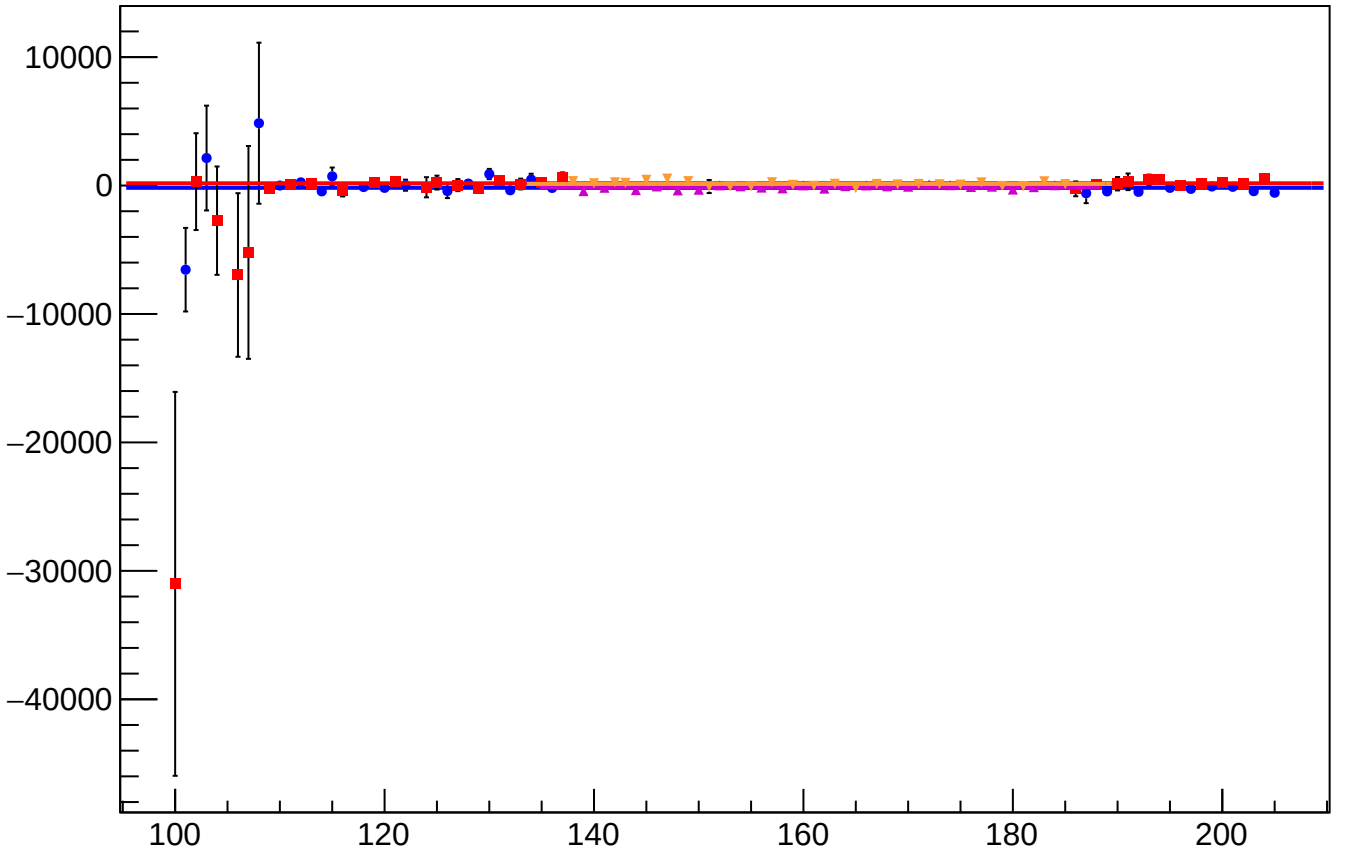
Right Out: 27.490+/-0.005 χ^2/NDF: 3583052.0/29

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.155+/-0.004 χ^2/NDF: 3416572.9/49

All: 28.166+/-0.003 χ^2/NDF: 7157111.0/102

- sign 28.177+/-0.004 χ^2/NDF: 3740517.9/52



Right In: -175.743+/-51.712 χ^2/NDF: 32.0/24

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 174.837+/-51.002 χ^2/NDF: 21.2/29

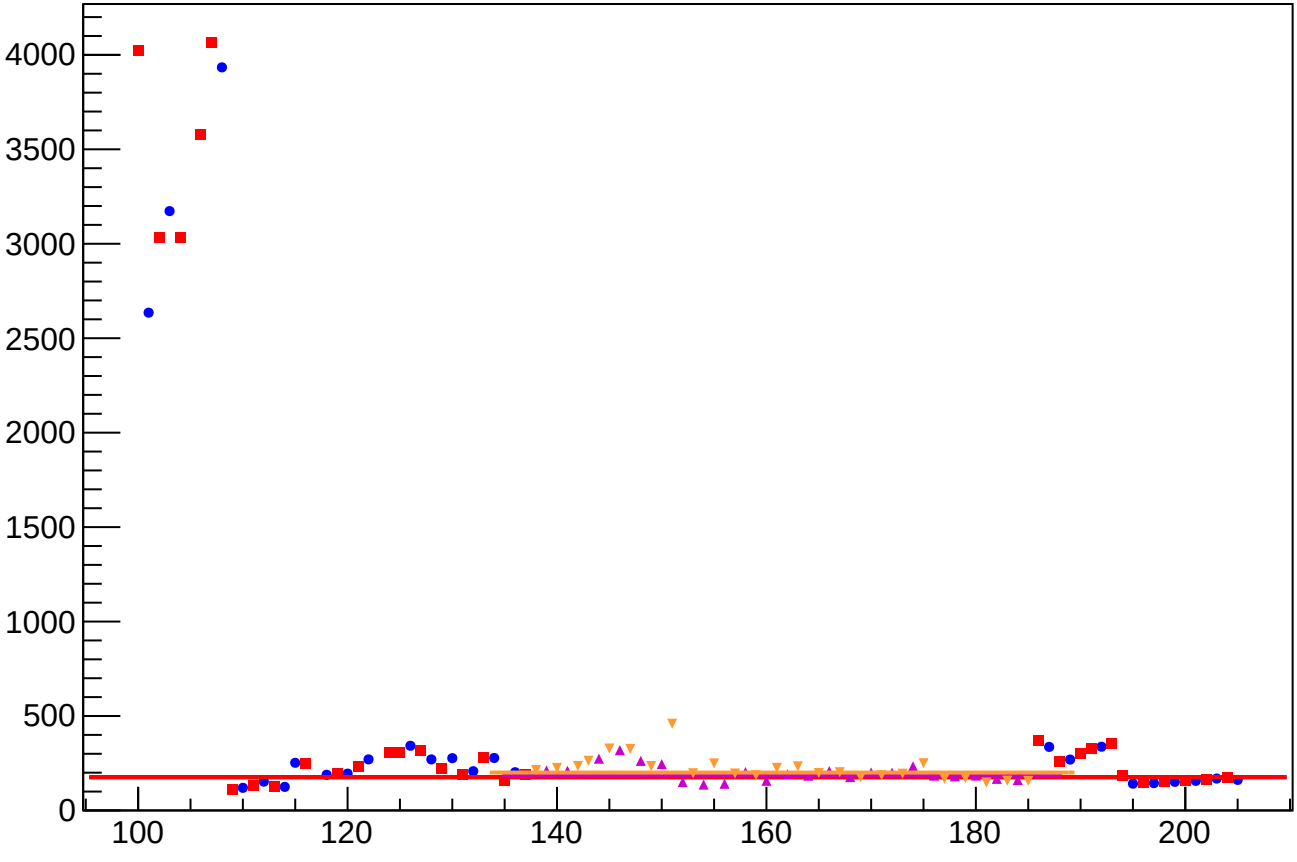
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -13.158+/-34.902 χ^2/NDF: 61.5/49

All: -2.144+/-24.301 χ^2/NDF: 110.5/102

- sign 8.219+/-33.856 χ^2/NDF: 48.8/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.267+/-0.037 χ^2/NDF: 4796516.5/24

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 177.127+/-0.036 χ^2/NDF: 5435578.8/29

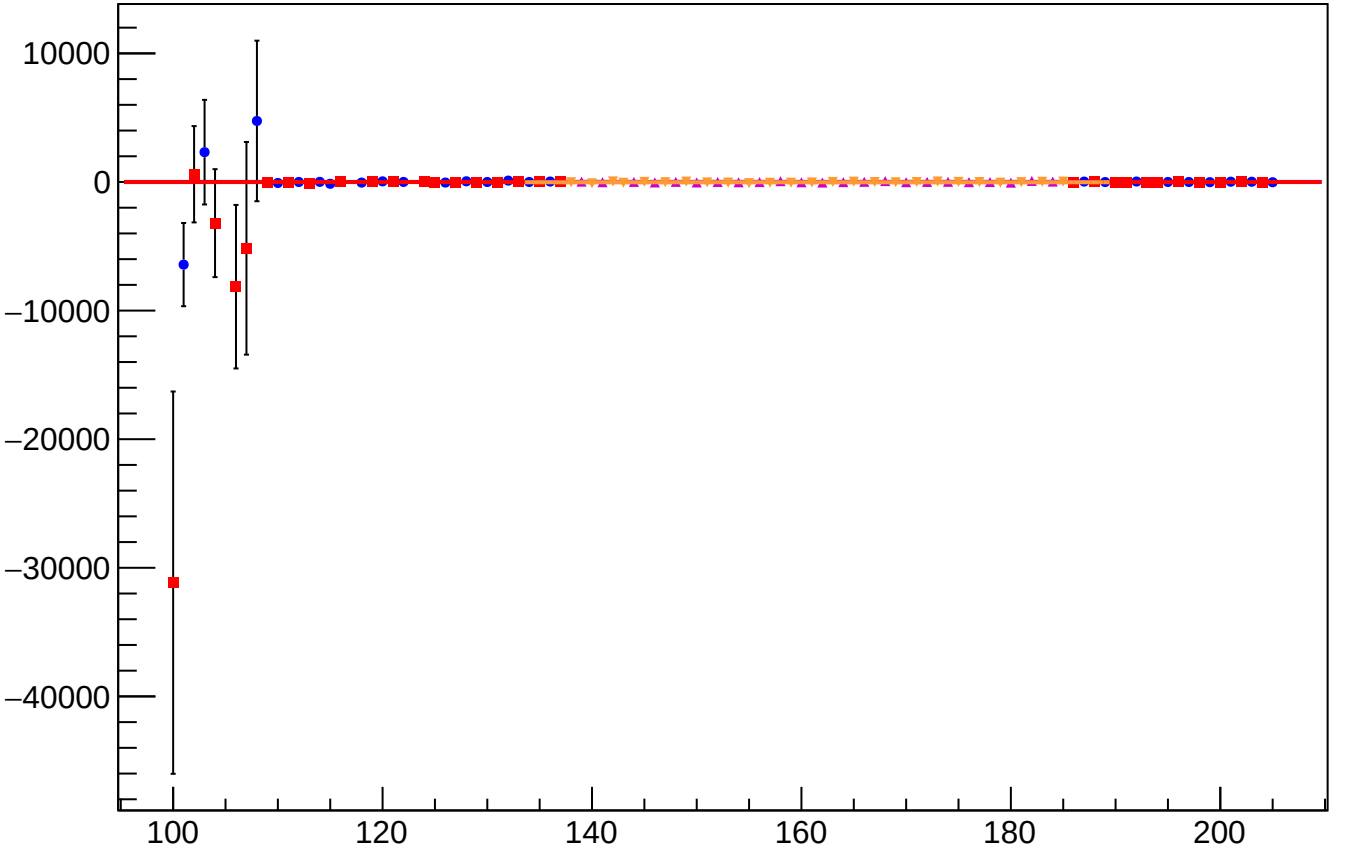
Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 189.107+/-0.025 χ^2/NDF: 6939698.4/49

All: 185.541+/-0.017 χ^2/NDF: 13864360.3/10

- sign 182.185+/-0.024 χ^2/NDF: 6884126.6/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.227+/-9.469 χ^2/NDF: 19.7/24

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -5.008+/-9.171 χ^2/NDF: 30.8/29

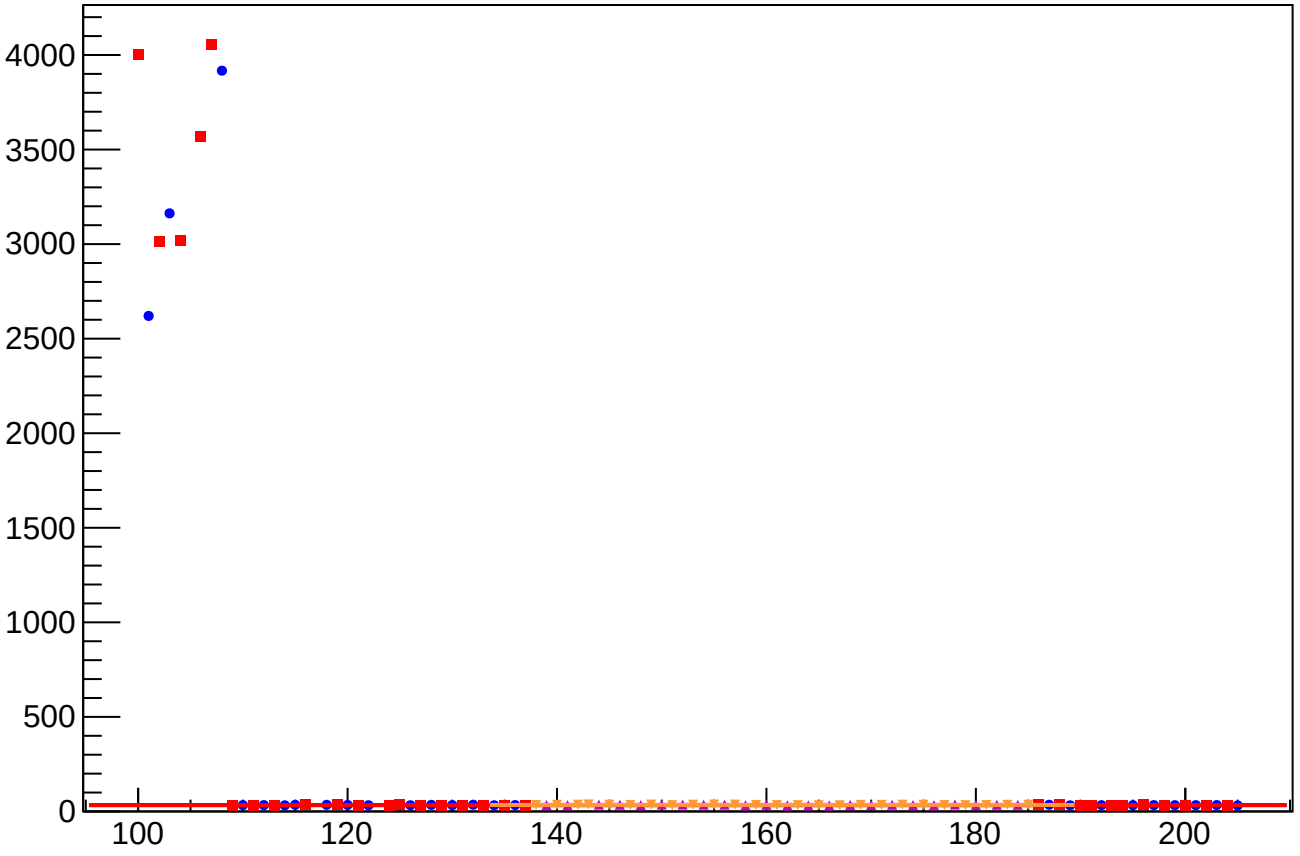
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -10.070+/-6.037 χ^2/NDF: 47.6/49

All: -5.019+/-4.278 χ^2/NDF: 99.3/102

- sign 0.078+/-6.064 χ^2/NDF: 50.3/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.436+/-0.007 χ^2/NDF: 3254511.2/24

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

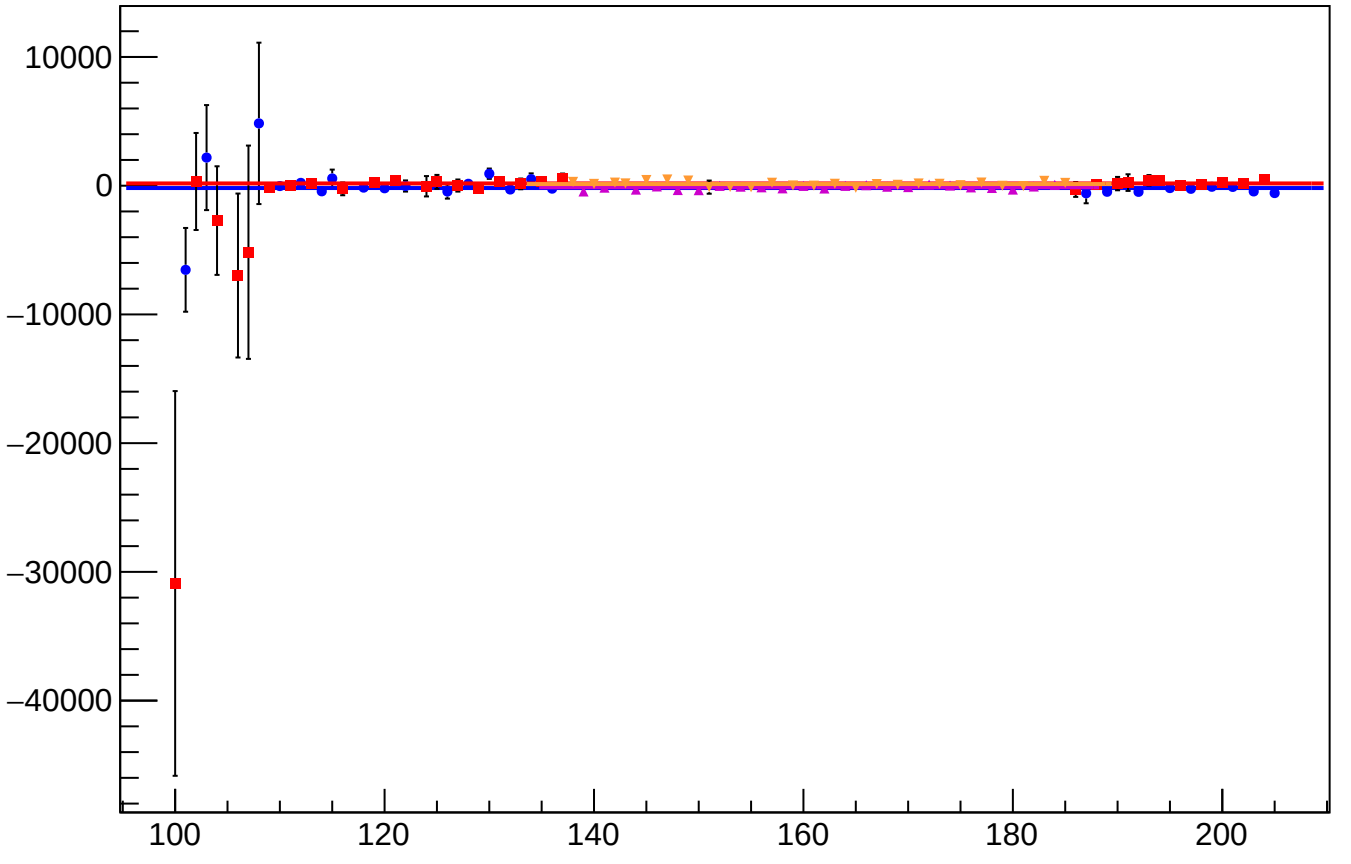
Right Out: 33.562+/-0.006 χ^2/NDF: 3541843.5/29

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.031+/-0.004 χ^2/NDF: 3312515.0/49

All: 34.075+/-0.003 χ^2/NDF: 6926975.4/102

- sign 34.119+/-0.004 χ^2/NDF: 3614248.8/52



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

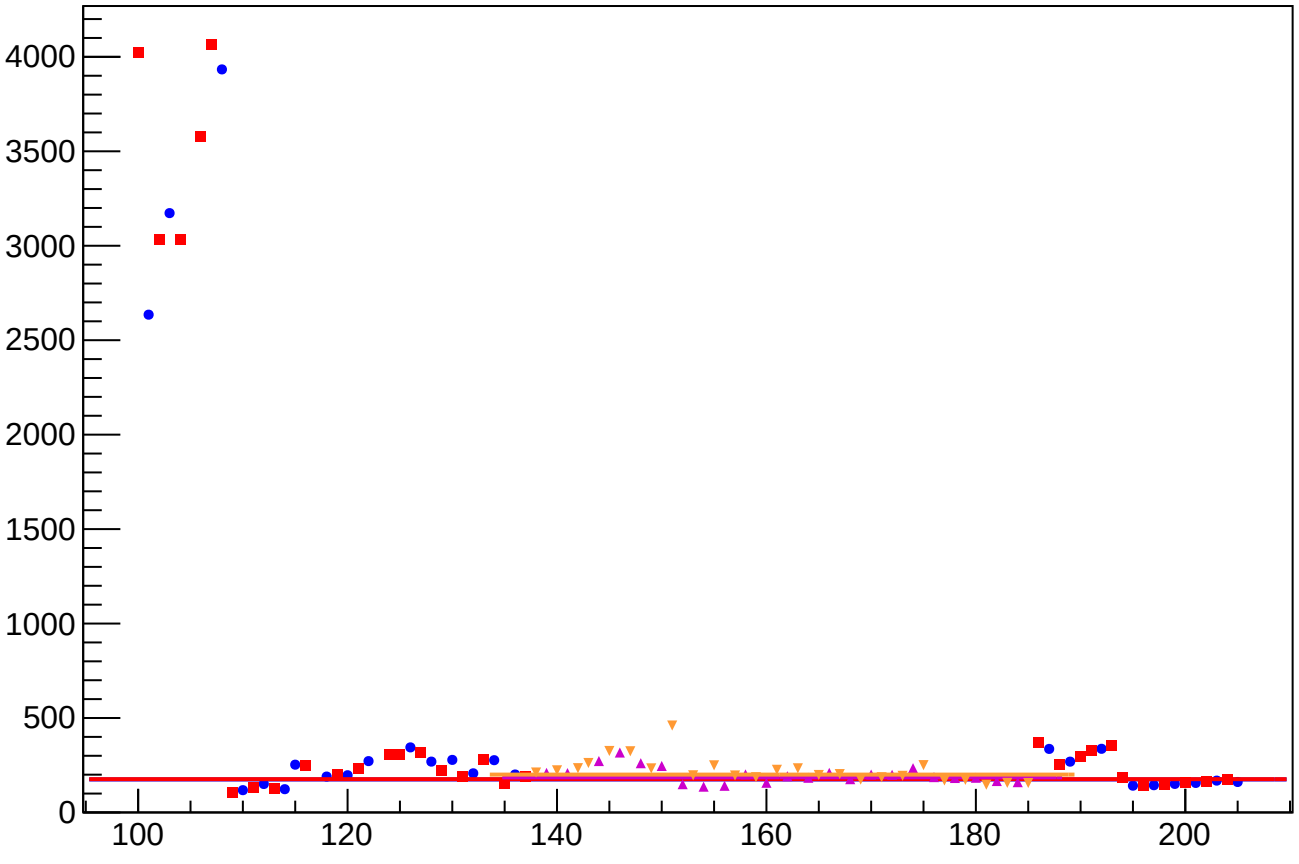
Right Out: 175.343+/-50.802 χ^2/NDF: 20.4/29

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -13.568+/-34.825 χ^2/NDF: 62.8/49

All: -1.976+/-24.243 χ^2/NDF: 110.6/102

- sign 8.924+/-33.768 χ^2/NDF: 47.6/52



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

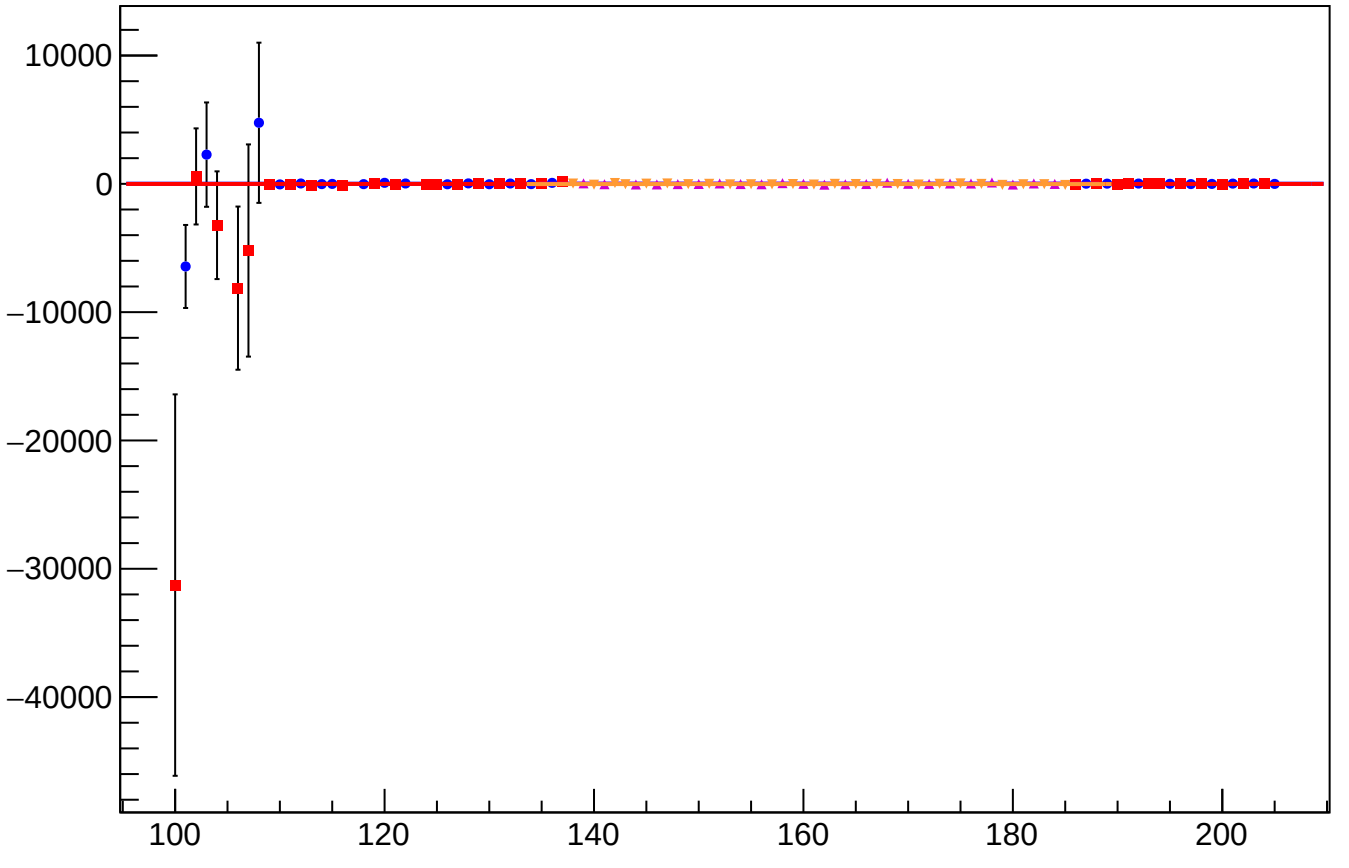
Right Out: 176.233+/-0.036 χ^2/NDF: 5488608.3/29

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 188.621+/-0.025 χ^2/NDF: 6973279.0/49

All: 185.009+/-0.017 χ^2/NDF: 13949341.2/10

- sign 181.613+/-0.024 χ^2/NDF: 6934319.2/52



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -7.571+/-8.308 χ^2/NDF: 38.5/29

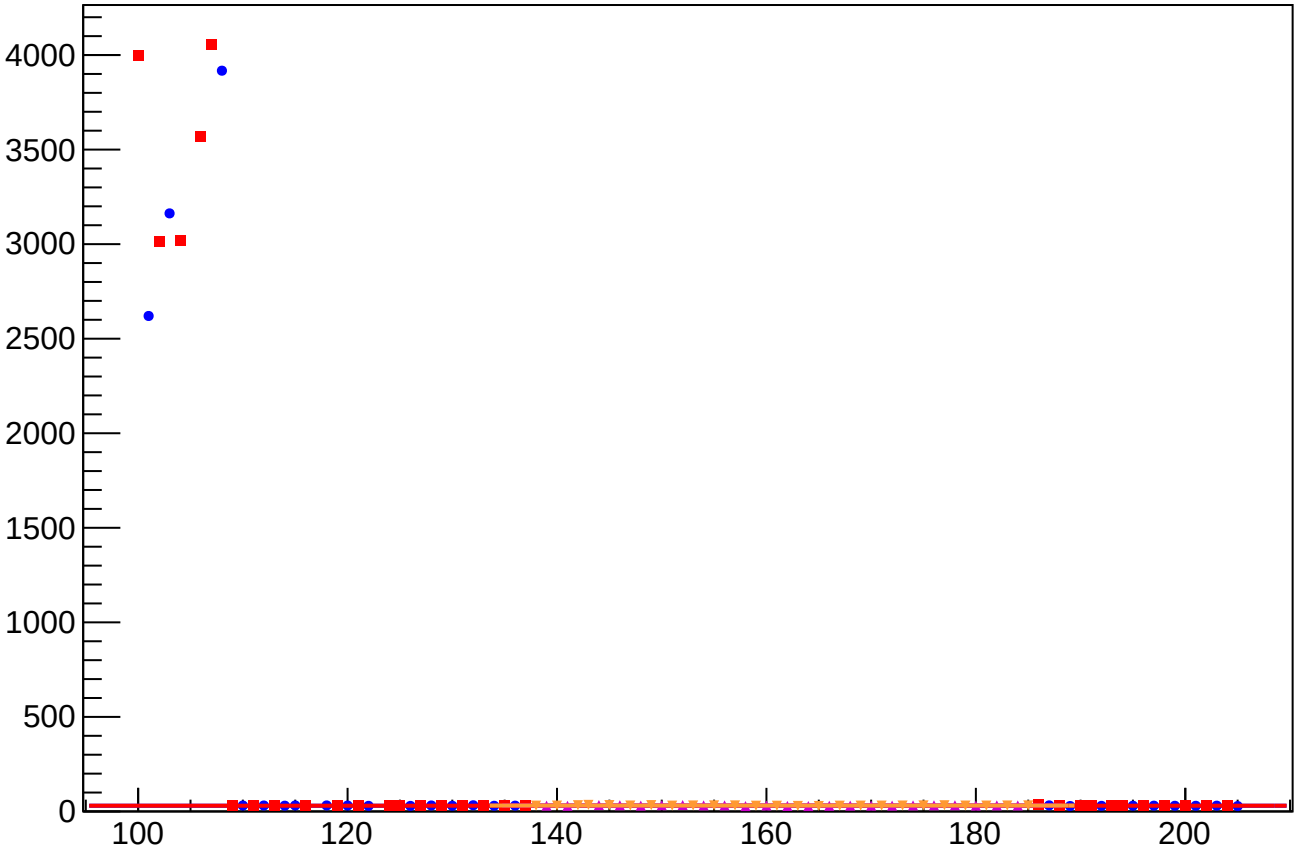
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -6.871+/-5.486 χ^2/NDF: 44.2/49

All: -4.345+/-3.885 χ^2/NDF: 119.5/102

\- sign -1.803+/-5.504 χ^2/NDF: 74.8/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

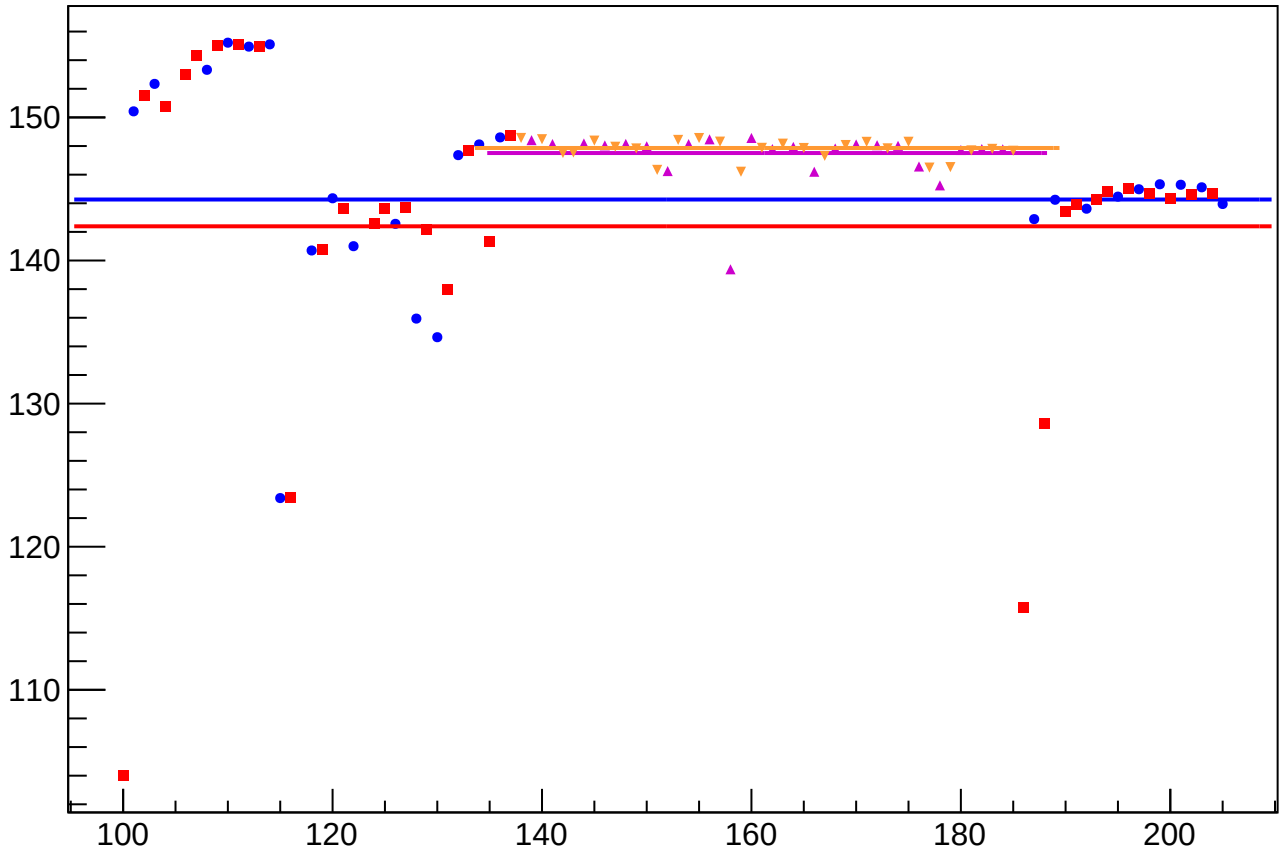
Right Out: 30.377+/-0.006 χ^2/NDF: 3560052.3/29

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.903+/-0.004 χ^2/NDF: 3353123.9/49

All: 30.921+/-0.003 χ^2/NDF: 7014778.1/102

- sign 30.940+/-0.004 χ^2/NDF: 3661610.2/52



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

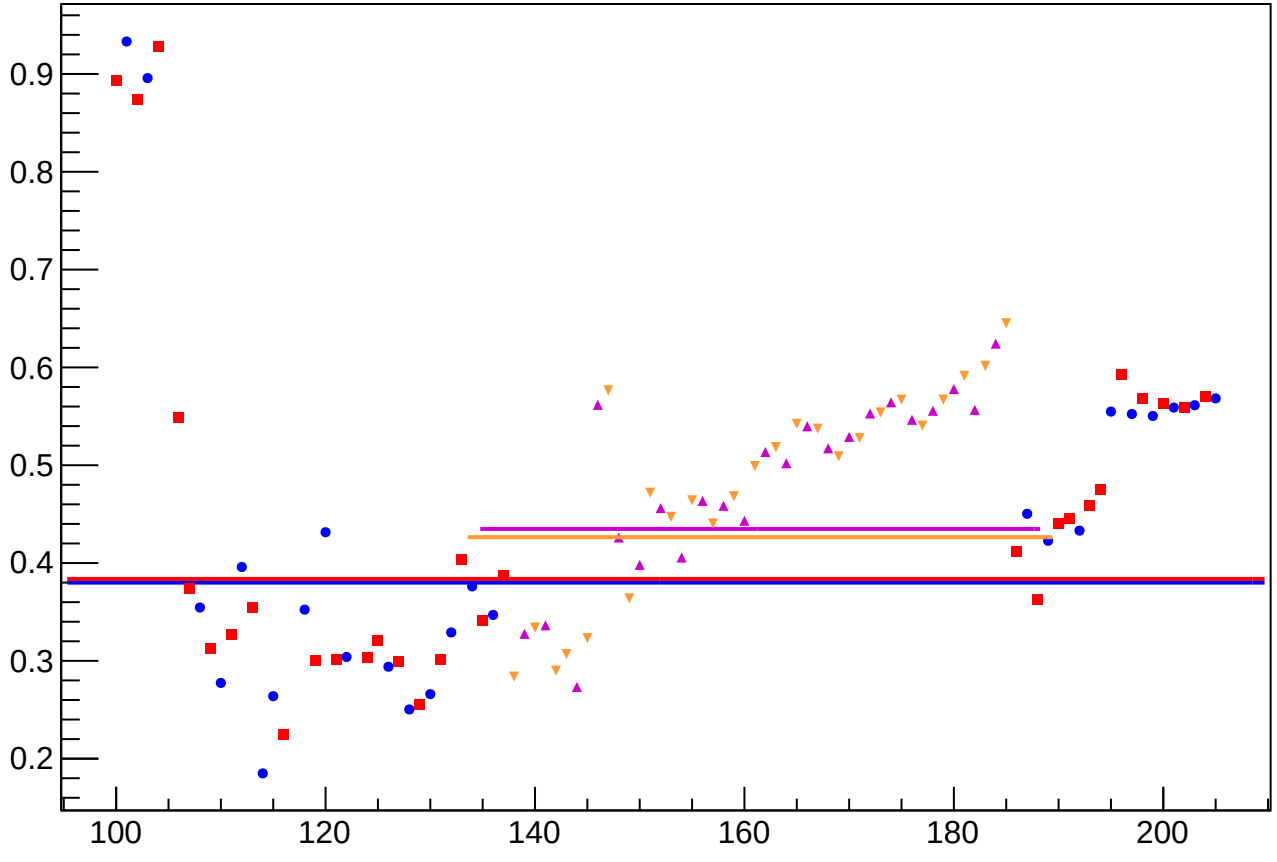
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.221+/-0.000 χ^2/NDF: 4357214700.5/49

All: 145.588+/-0.000 χ^2/NDF: 13511208917.

- sign 144.953+/-0.000 χ^2/NDF: 9010688590.9/52

yield_bcm_target_rms vs Slug



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

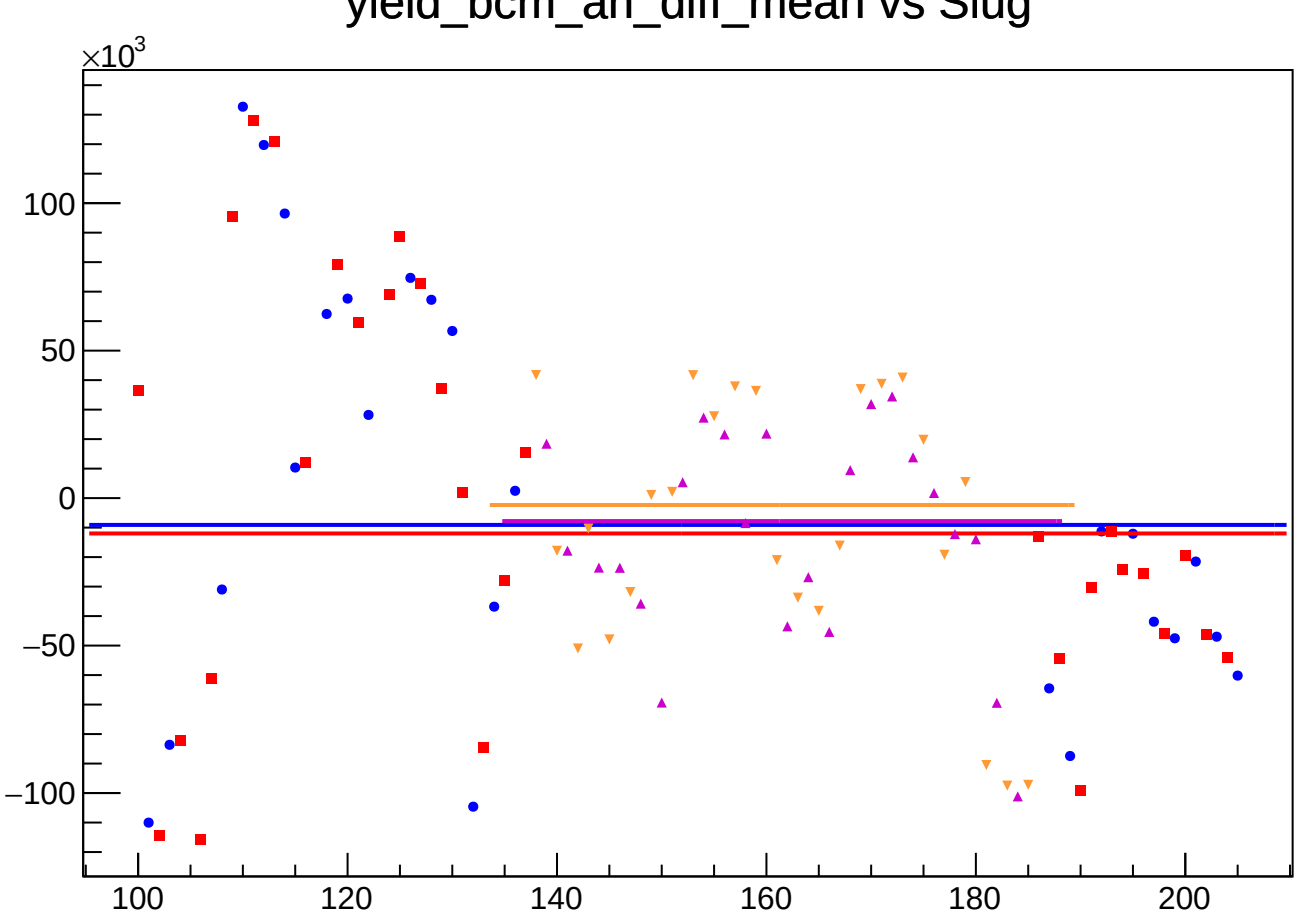
Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.405+/-0.000 χ^2/NDF: 5268939.6/49

All: 0.407+/-0.000 χ^2/NDF: 9957873.9/102

- sign 0.409+/-0.000 χ^2/NDF: 4685937.6/52



Right In: -9086.981+/-1.457 χ^2/NDF: 1891195378.5/24

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -11987.372+/-1.355 χ^2/NDF: 2324571370.9/29

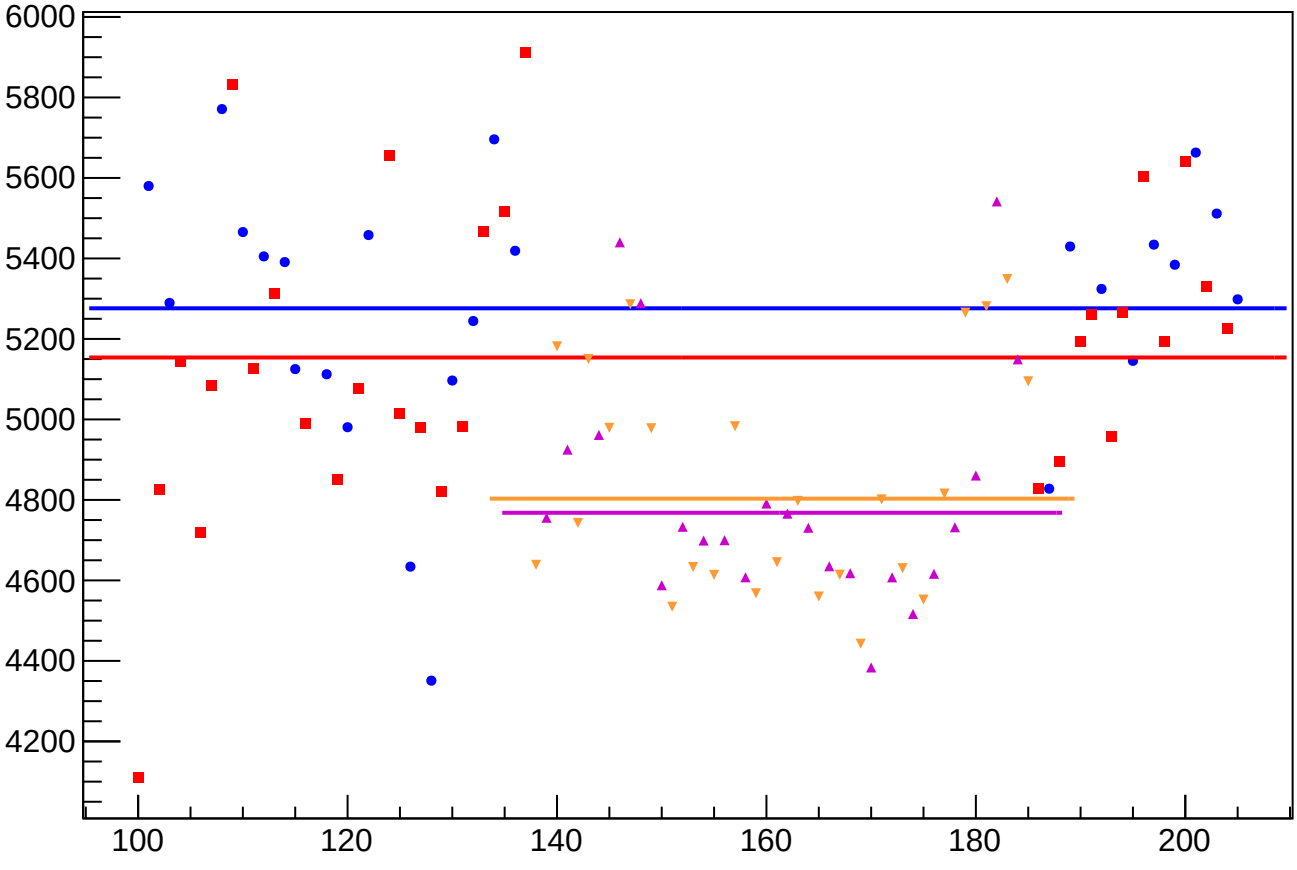
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -4857.409+/-0.890 χ^2/NDF: 3134650860.8/4

All: -7236.909+/-0.624 χ^2/NDF: 624138722

- sign -9535.834+/-0.874 χ^2/NDF: 3092671847.2/52

yield_bcm_an_diff_rms vs Slug



Right In: 5276.098+/-1.031 χ^2/NDF: 97397.9/24

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

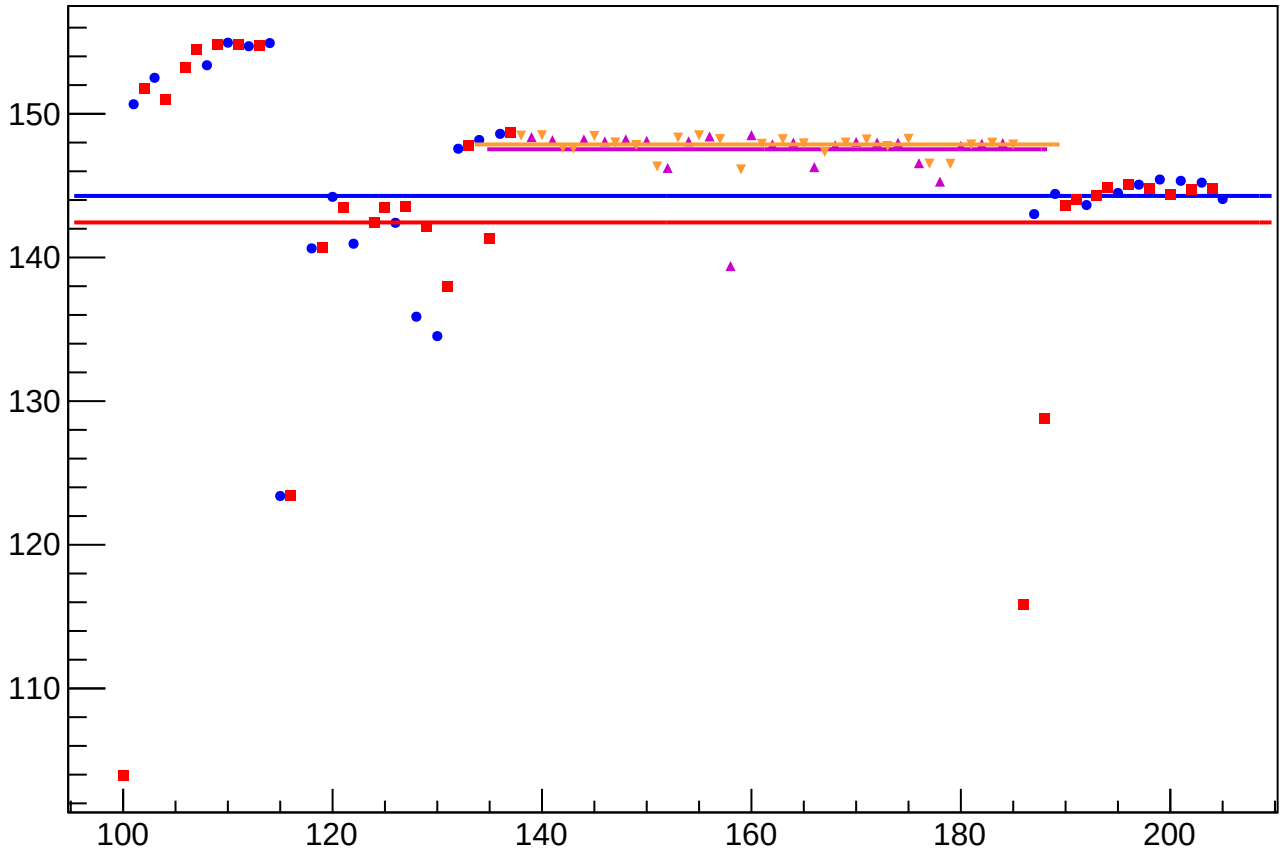
Right Out: 5153.890+/-0.958 χ^2/NDF: 97409.4/29

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 4979.393+/-0.629 χ^2/NDF: 344221.1/49

All: 4953.587+/-0.441 χ^2/NDF: 641898.8/102

\- sign 4928.655+/-0.618 χ^2/NDF: 294369.4/52



Right In: 144.285+/-0.000 χ^2/NDF: 3779630086.3/24

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.440+/-0.000 χ^2/NDF: 7511186736.6/29

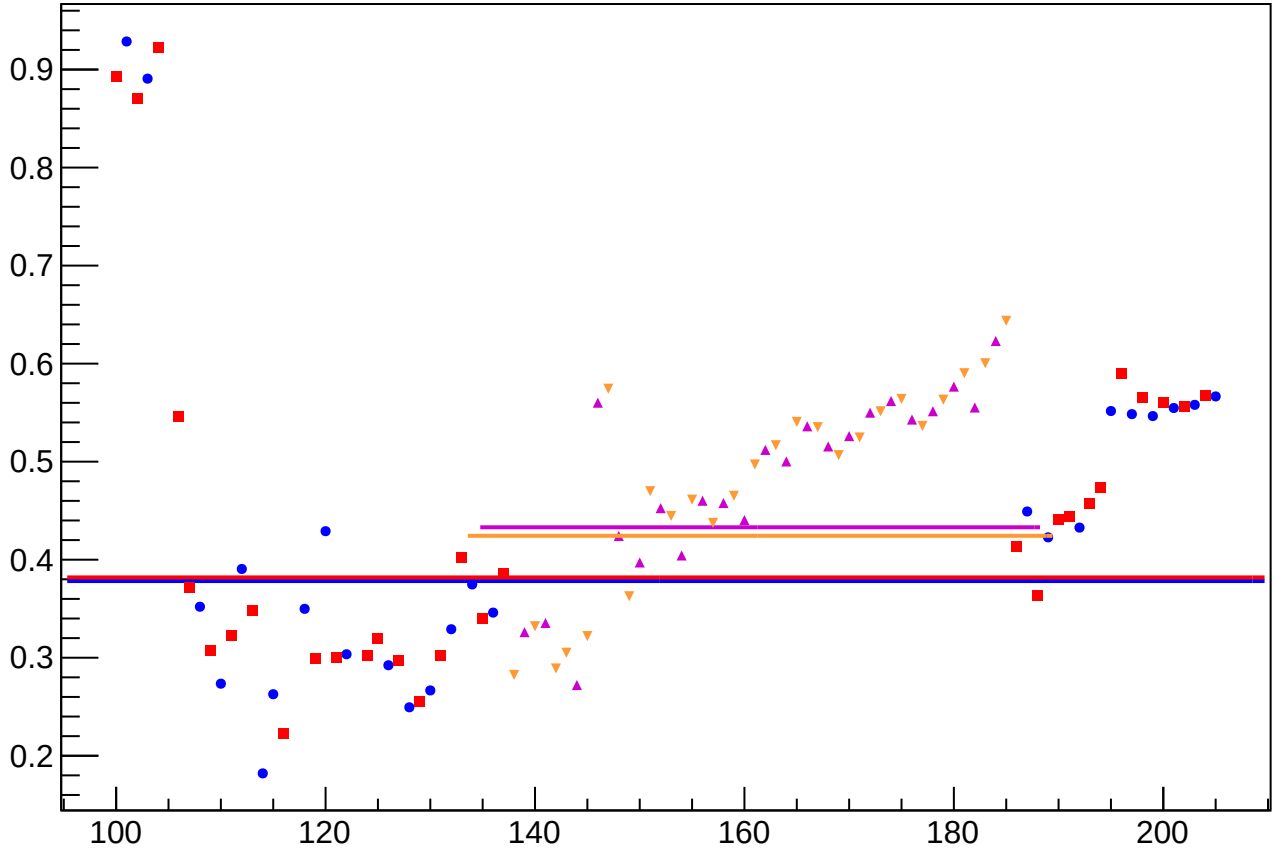
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.234+/-0.000 χ^2/NDF: 4398443281.0/49

All: 145.612+/-0.000 χ^2/NDF: 13521914670.

- sign 144.988+/-0.000 χ^2/NDF: 8983579313.2/52

yield_bcm_an_ds_rms vs Slug



Right In: 0.378+/-0.000 χ^2/NDF: 2817256.1/24

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

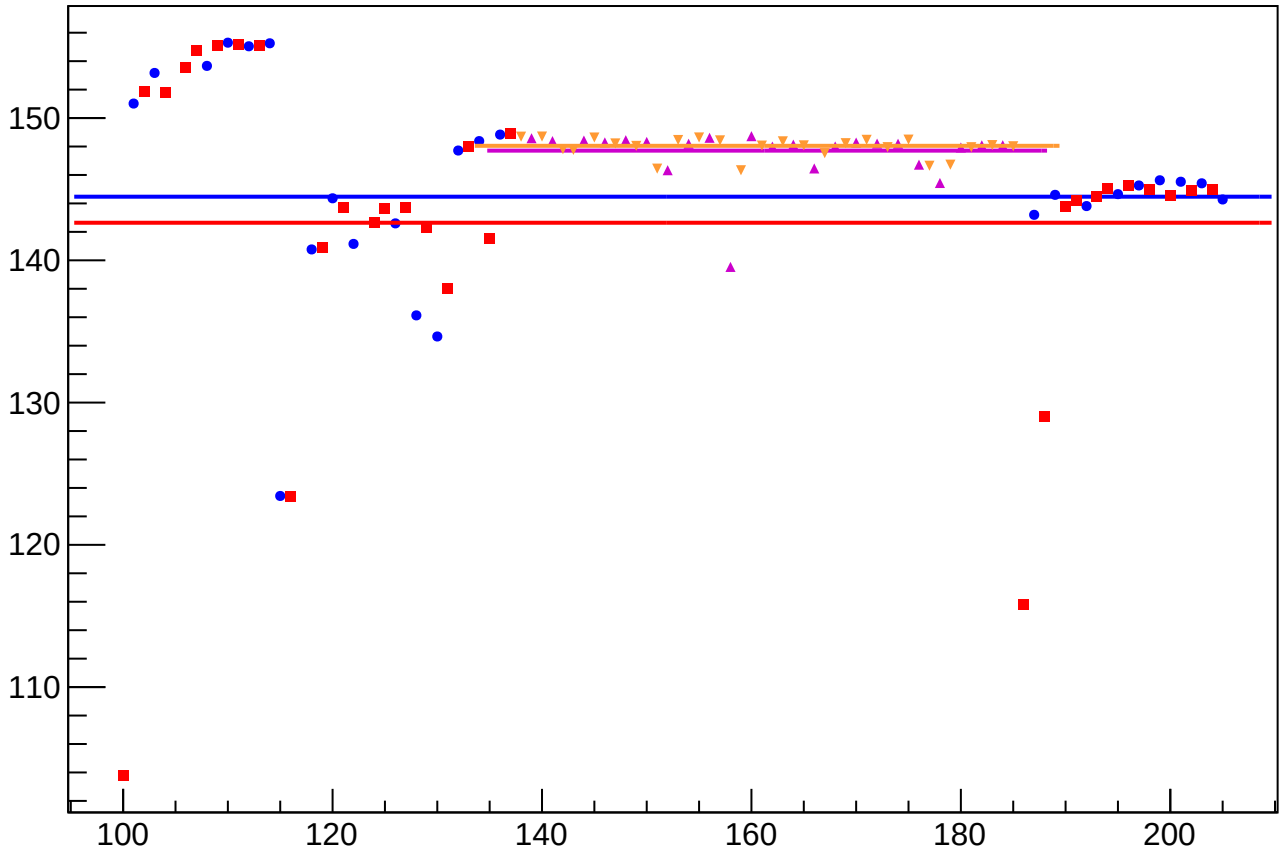
Right Out: 0.382+/-0.000 χ^2/NDF: 2685058.8/29

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.403+/-0.000 χ^2/NDF: 5268371.0/49

All: 0.405+/-0.000 χ^2/NDF: 9962739.2/102

- sign 0.408+/-0.000 χ^2/NDF: 4691198.1/52



Right In: 144.473+/-0.000 χ^2/NDF: 3773529976.0/24

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.642+/-0.000 χ^2/NDF: 7446300905.4/29

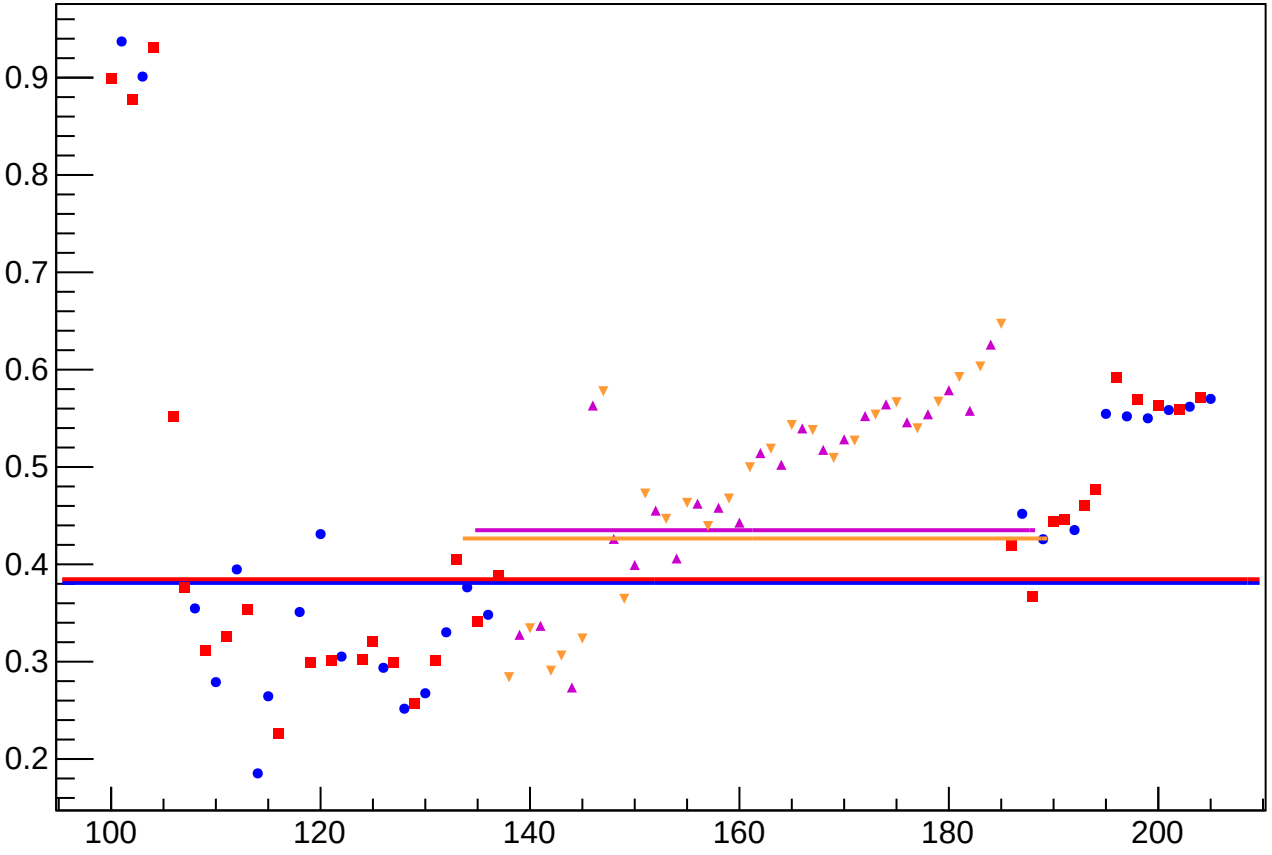
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.421+/-0.000 χ^2/NDF: 4383202903.9/49

All: 145.803+/-0.000 χ^2/NDF: 13418829411.

- sign 145.184+/-0.000 χ^2/NDF: 8899517373.7/52

yield_bcm_an_ds3_rms vs Slug



Right In: 0.381+/-0.000 χ^2/NDF: 2807456.9/24

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

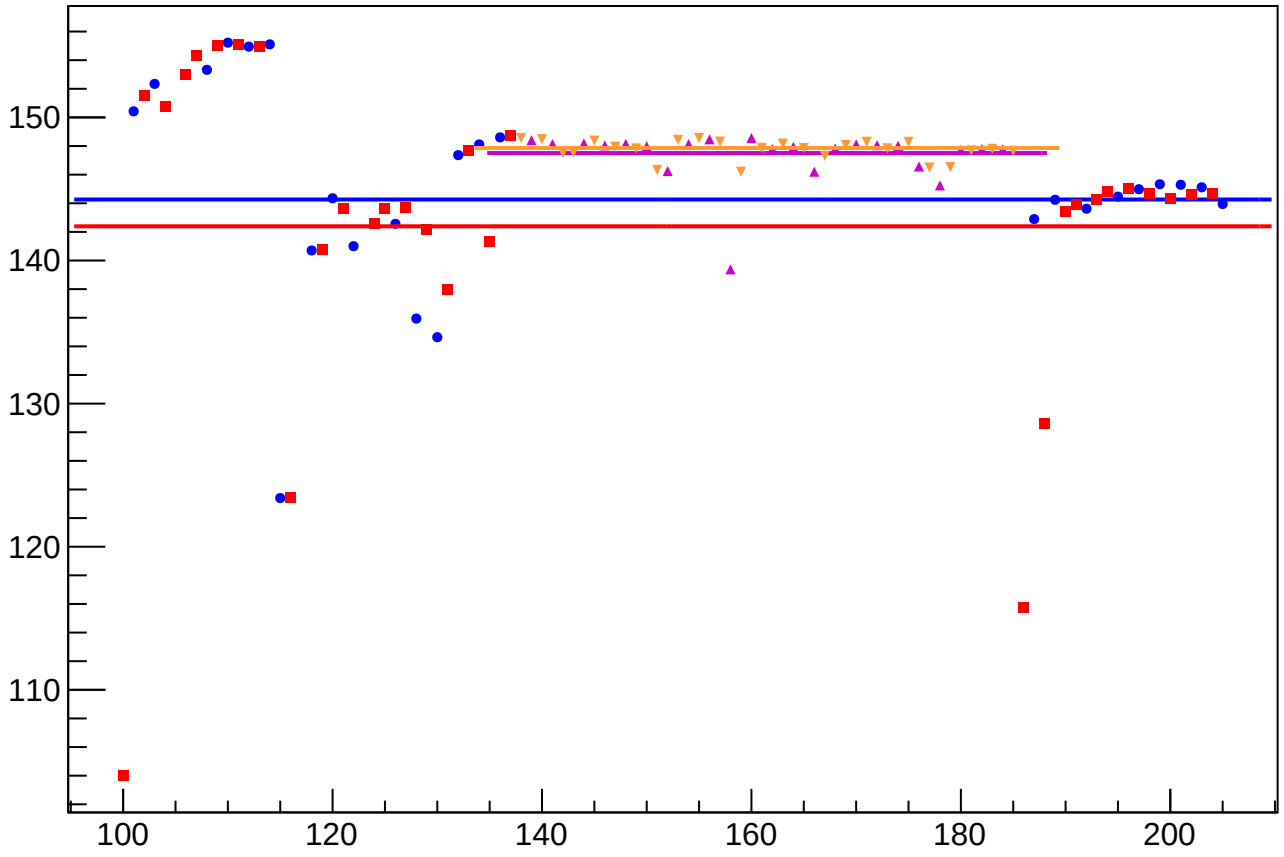
Right Out: 0.385+/-0.000 χ^2/NDF: 2680502.1/29

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.406+/-0.000 χ^2/NDF: 5248598.3/49

All: 0.408+/-0.000 χ^2/NDF: 9927446.9/102

- sign 0.410+/-0.000 χ^2/NDF: 4675787.1/52



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

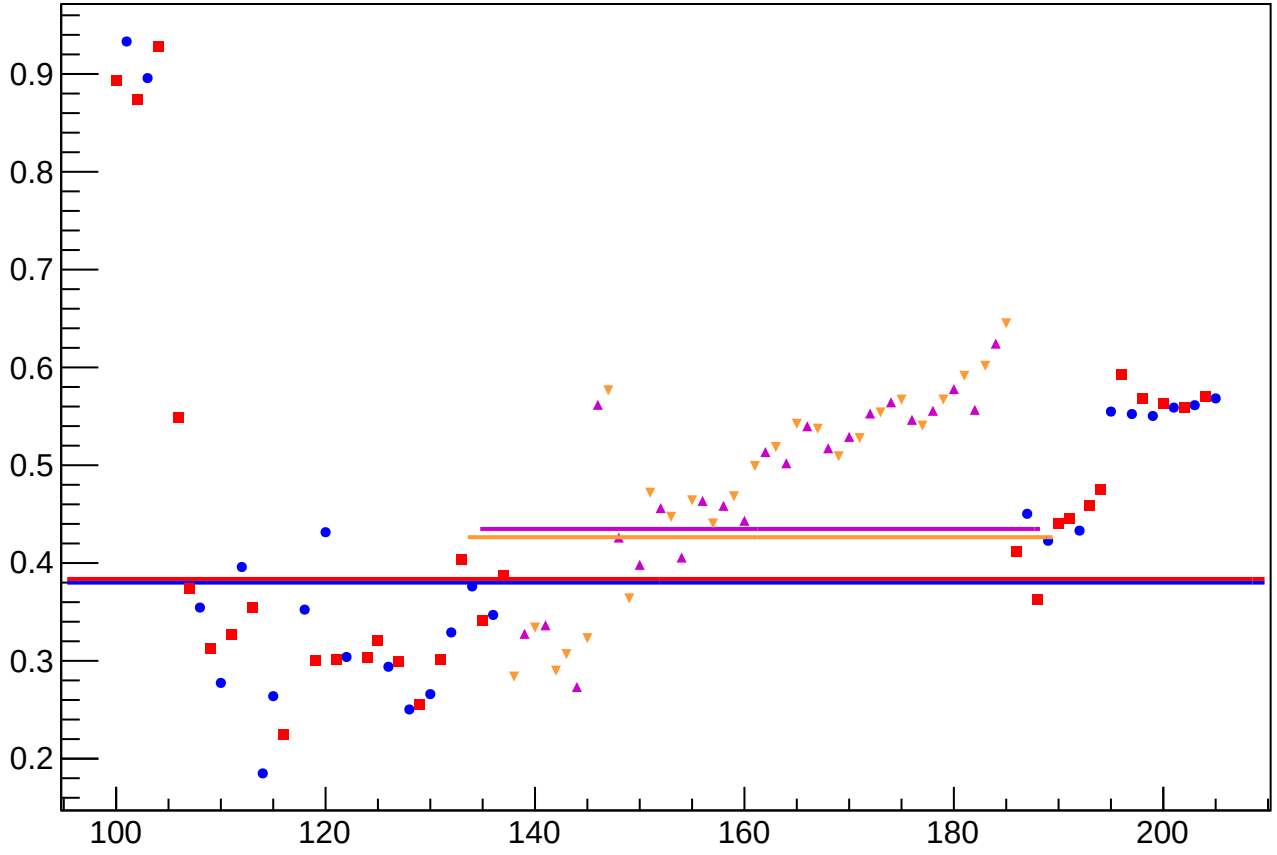
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.221+/-0.000 χ^2/NDF: 4357214700.5/49

All: 145.588+/-0.000 χ^2/NDF: 13511208917.

- sign 144.953+/-0.000 χ^2/NDF: 9010688590.9/52

yield_bcm_an_us_rms vs Slug



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

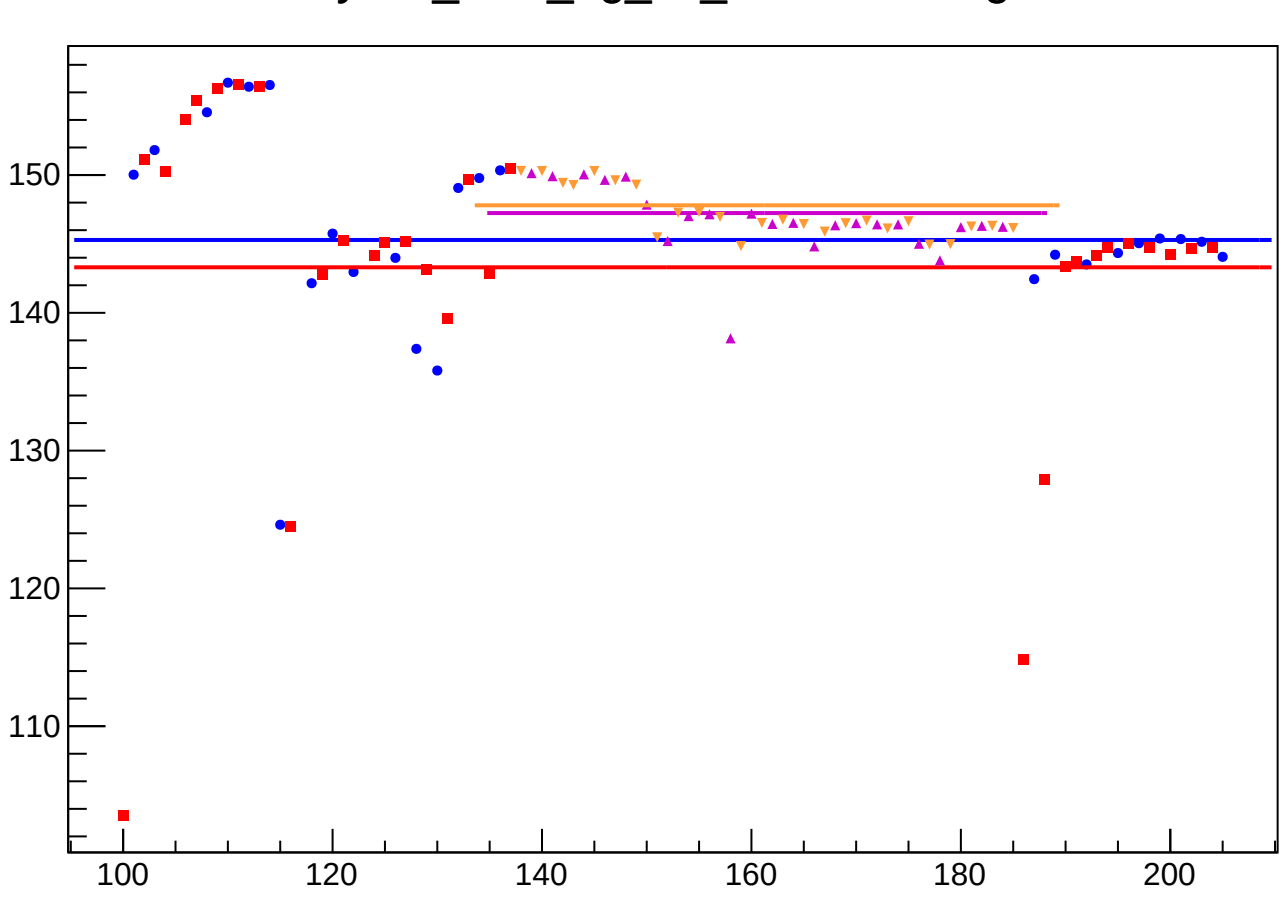
Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.405+/-0.000 χ^2/NDF: 5268939.6/49

All: 0.407+/-0.000 χ^2/NDF: 9957873.9/102

- sign 0.409+/-0.000 χ^2/NDF: 4685937.6/52



Right In: 145.289+/-0.000 χ^2/NDF: 3519102423.7/24

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.304+/-0.000 χ^2/NDF: 7610856763.2/29

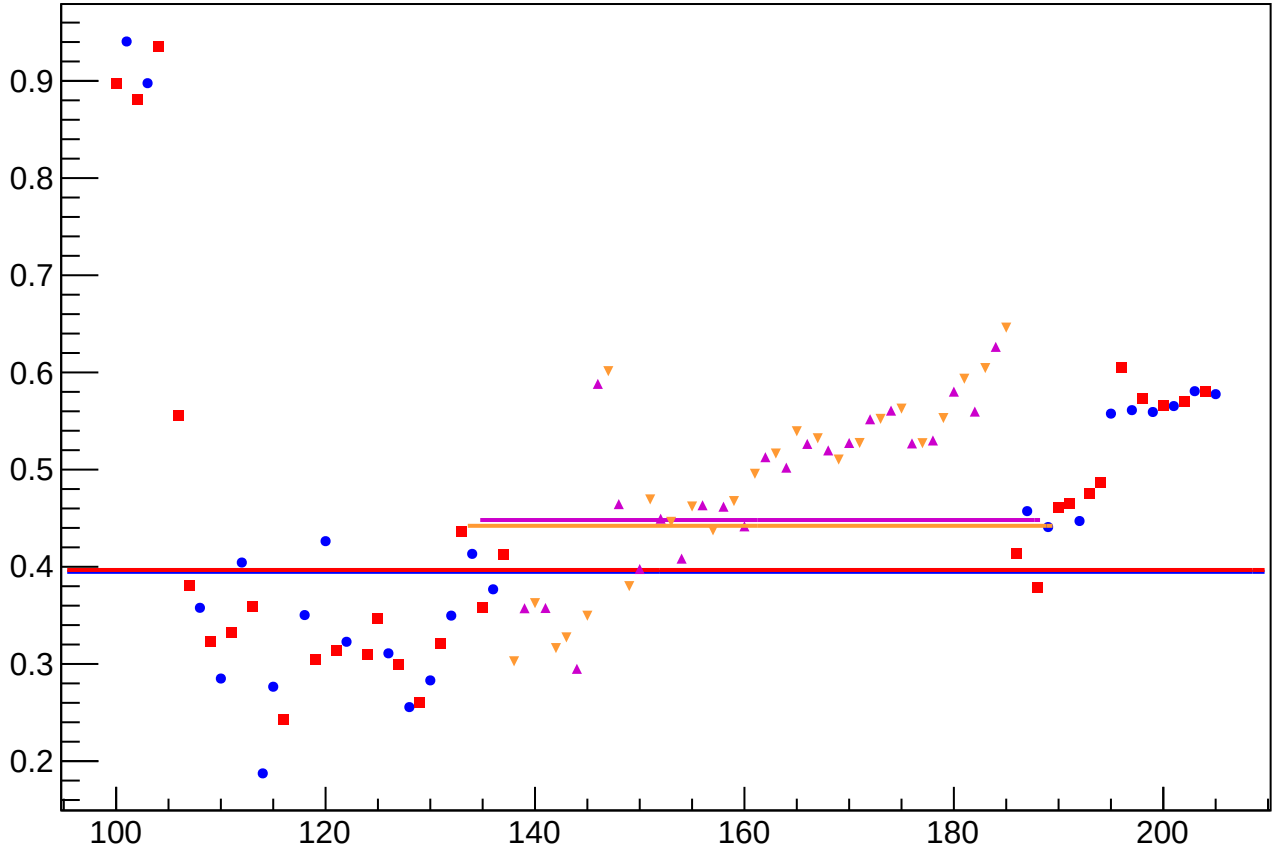
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.665+/-0.000 χ^2/NDF: 4108194921.0/49

All: 145.975+/-0.000 χ^2/NDF: 13148672888.

- sign 145.291+/-0.000 χ^2/NDF: 8882109971.2/52

yield_bcm_dg_us_rms vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 2677506.8/24

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

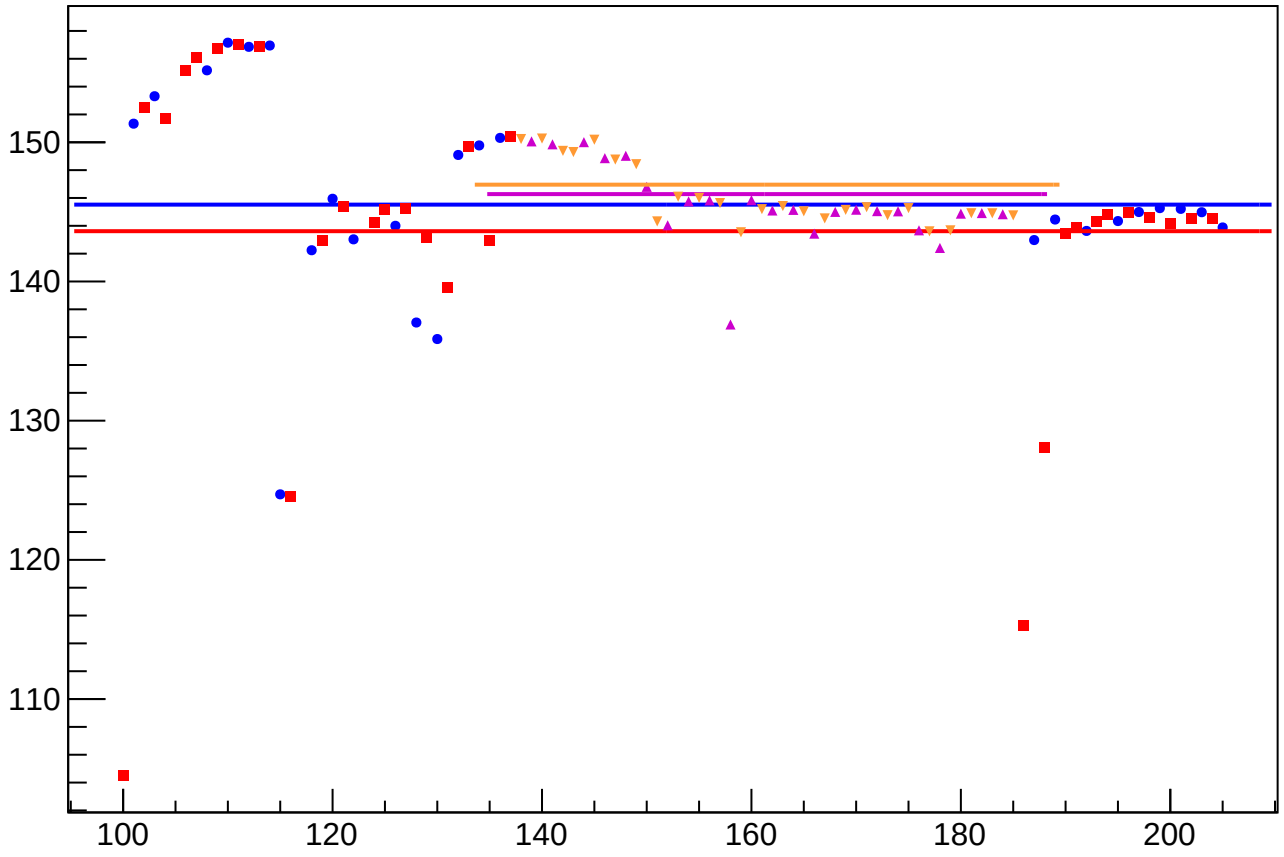
Right Out: 0.397+/-0.000 χ^2/NDF: 2559366.9/29

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.421+/-0.000 χ^2/NDF: 4567445.5/49

All: 0.422+/-0.000 χ^2/NDF: 8697924.6/102

- sign 0.423+/-0.000 χ^2/NDF: 4129844.3/52



Right In: 145.522+/-0.000 χ^2/NDF: 3668940989.1/24

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.614+/-0.000 χ^2/NDF: 7672643324.2/29

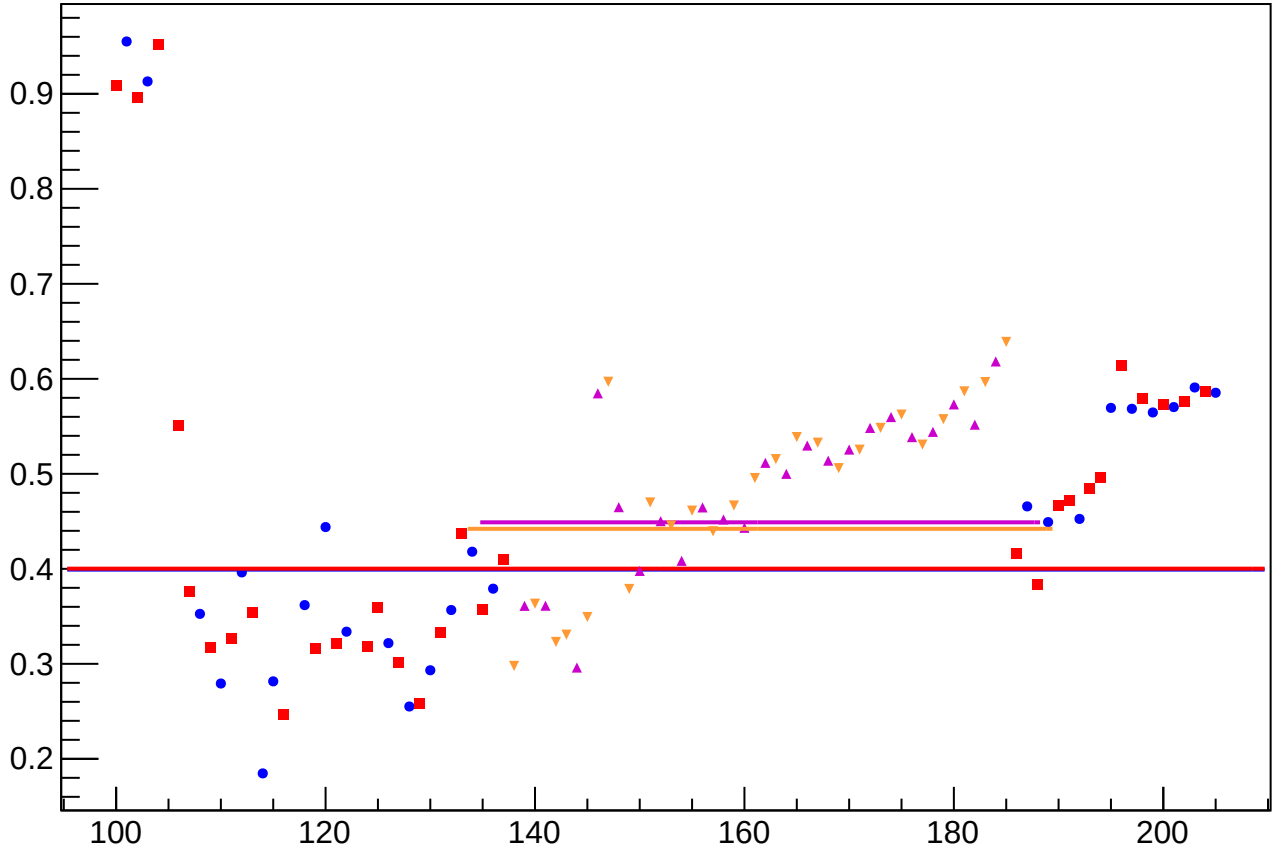
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.316+/-0.000 χ^2/NDF: 4295695790.5/49

All: 145.640+/-0.000 χ^2/NDF: 13239008126.

- sign 144.970+/-0.000 χ^2/NDF: 8793160758.2/52

yield_bcm_dg_ds_rms vs Slug



Right In: 0.399+/-0.000 χ^2/NDF: 2716668.2/24

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.400+/-0.000 χ^2/NDF: 2583625.7/29

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.423+/-0.000 χ^2/NDF: 4543700.5/49

All: 0.424+/-0.000 χ^2/NDF: 8626723.5/102

- sign 0.425+/-0.000 χ^2/NDF: 4082326.8/52

yield_cav4bQ_mean vs Slug

Right In: 872.011+/-0.000 χ^2/NDF: 11408749592221.9/24

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.777+/-0.000 χ^2/NDF: 14588226899165.8/29

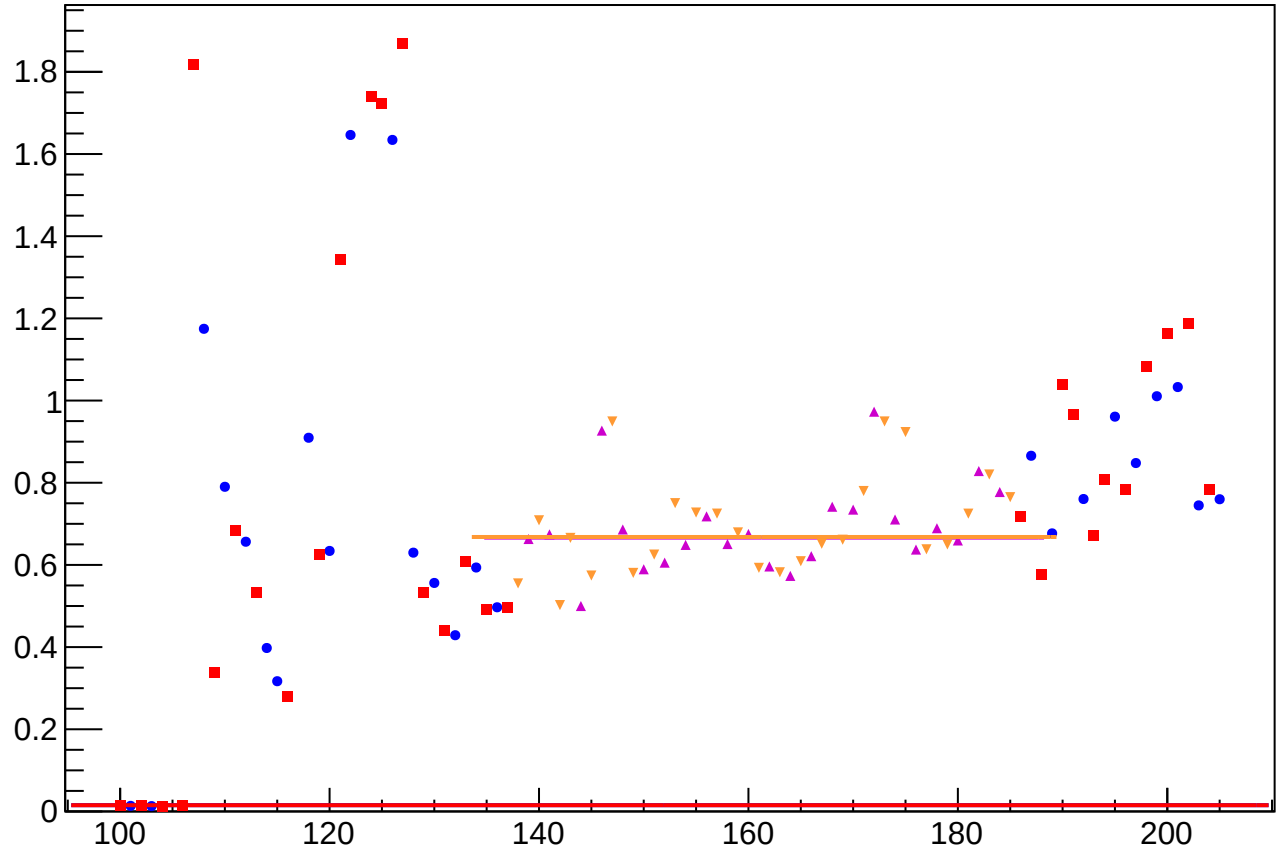
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.633+/-0.000 χ^2/NDF: 28620862372321.

All: 868.813+/-0.000 χ^2/NDF: 597019778113

- sign 868.970+/-0.000 χ^2/NDF: 31080680385056.6

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 20154198.2/24

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 22026435.4/29

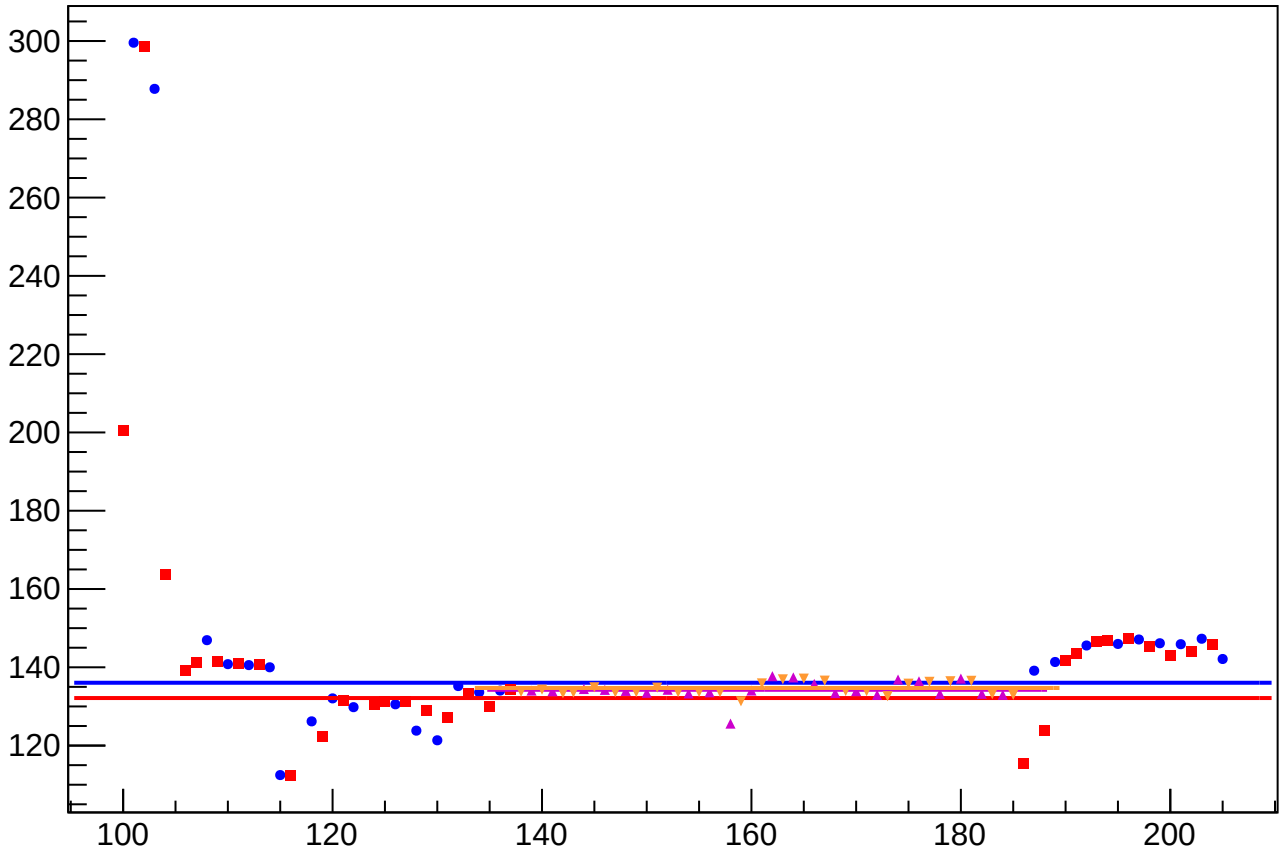
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 49566593.3/49

All: 0.018+/-0.000 χ^2/NDF: 99517654.0/102

- sign 0.018+/-0.000 χ^2/NDF: 49948059.9/52

yield_cav4cQ_mean vs Slug



Right In: 136.052+/-0.000 χ^2/NDF: 3303550493.5/24

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.146+/-0.000 χ^2/NDF: 4689544671.5/29

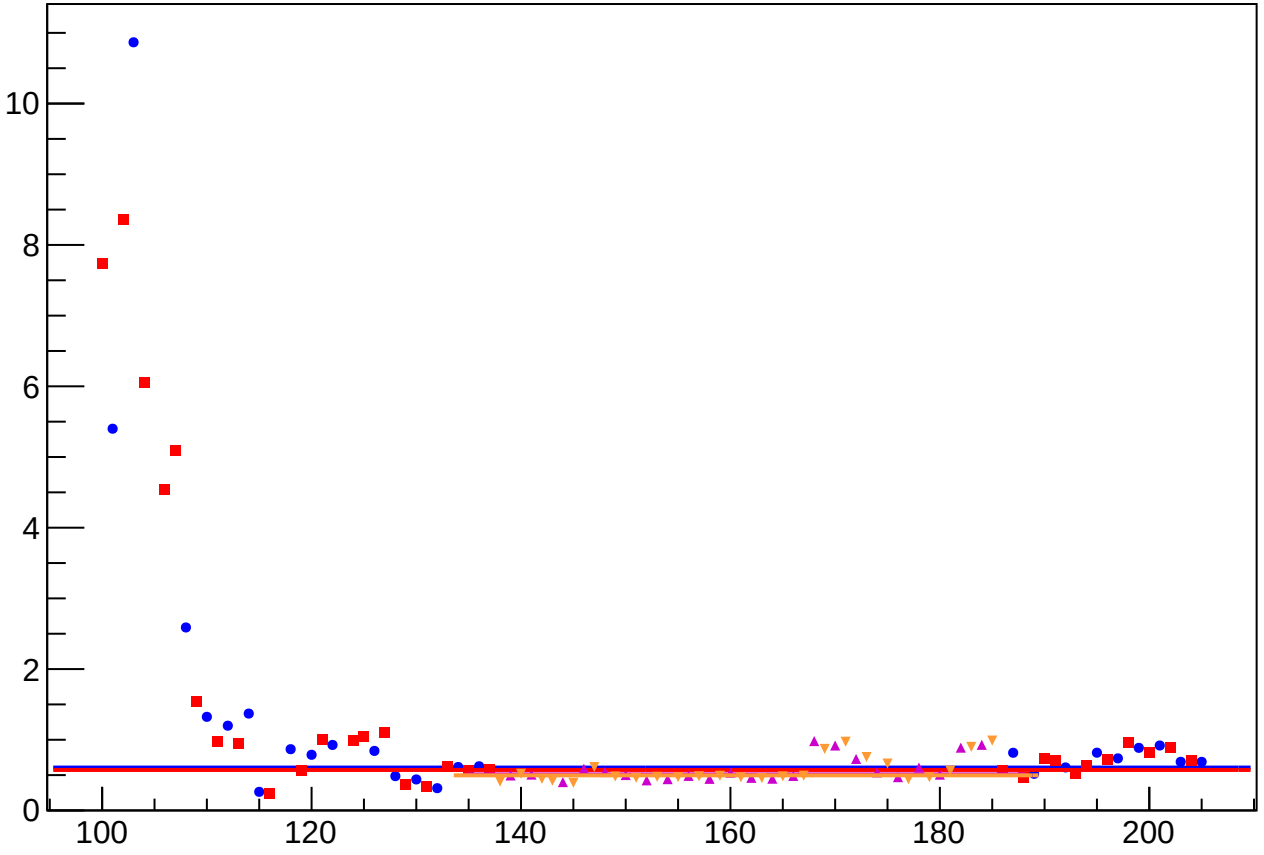
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.072+/-0.000 χ^2/NDF: 3495577245.9/49

All: 134.320+/-0.000 χ^2/NDF: 8818950638.0

- sign 133.557+/-0.000 χ^2/NDF: 5219158051.1/52

yield_cav4cQ_rms vs Slug



Right In: 0.607+/-0.000 χ^2/NDF: 4856947.9/24

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.573+/-0.000 χ^2/NDF: 5866224.4/29

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.526+/-0.000 χ^2/NDF: 6861256.8/49

All: 0.528+/-0.000 χ^2/NDF: 14375017.7/102

- sign 0.530+/-0.000 χ^2/NDF: 7512181.4/52

yield_cav4dQ_mean vs Slug

Right In: 1778.576+/-0.000 χ^2/NDF: 205100450576461.8/24

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1797.069+/-0.000 χ^2/NDF: 221990796463824.0/29

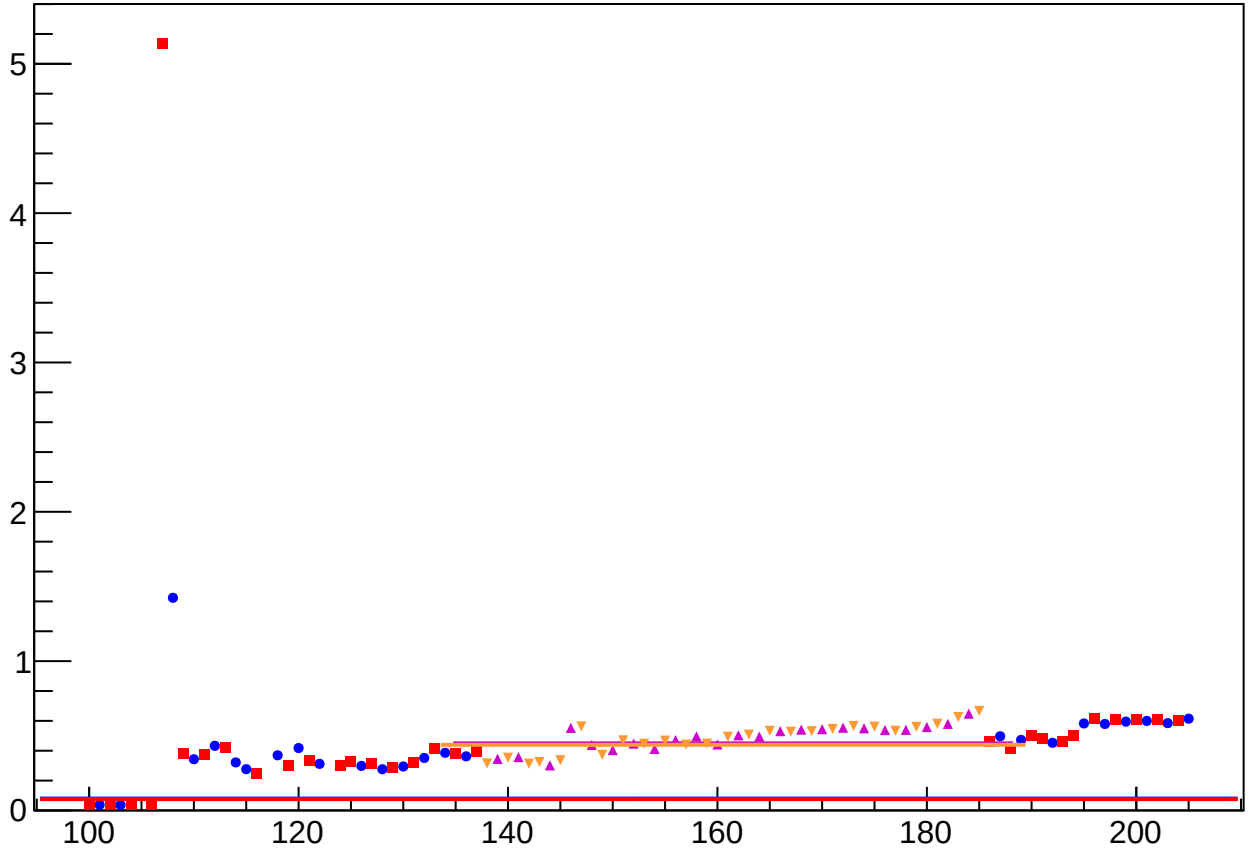
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1556.001+/-0.000 χ^2/NDF: 42121024524348

All: 1587.982+/-0.000 χ^2/NDF: 8528429863

- sign 1616.103+/-0.000 χ^2/NDF: 43031701317632

yield_cav4dQ_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 18080188.1/24

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

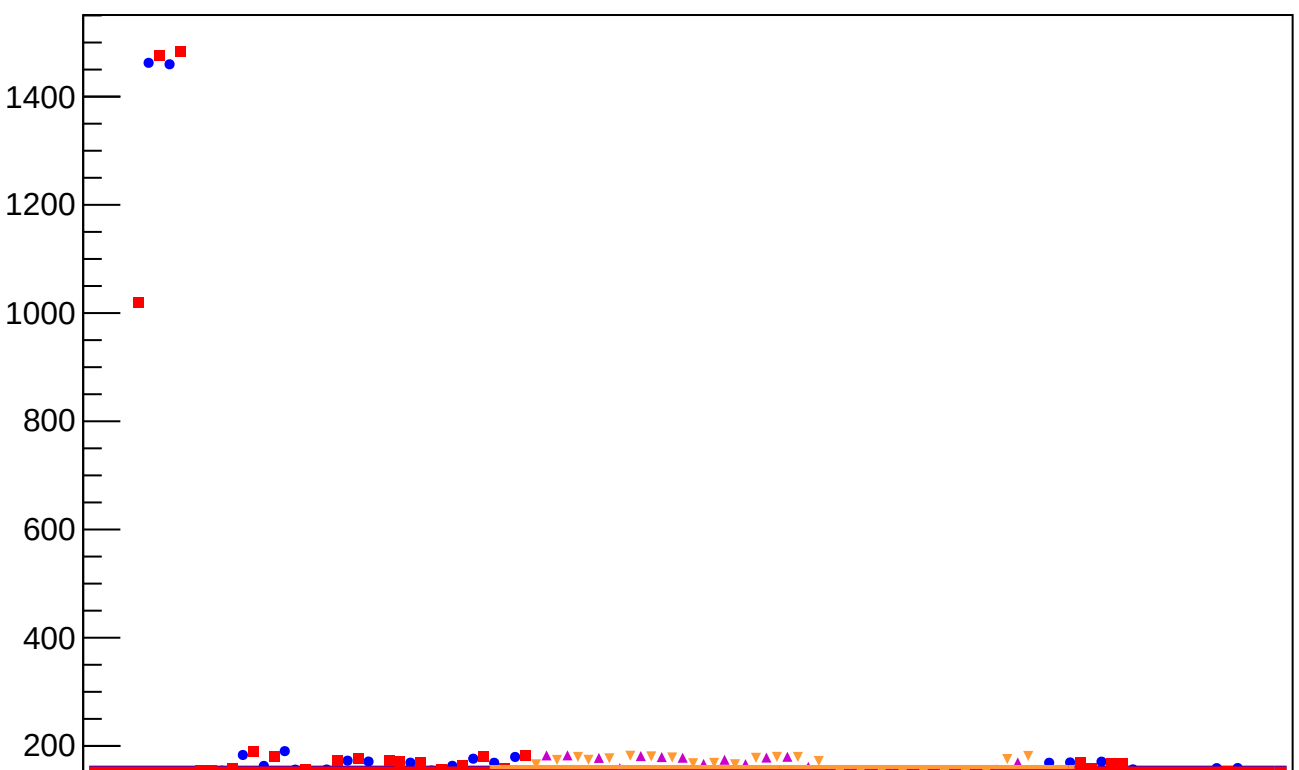
Right Out: 0.076+/-0.000 χ^2/NDF: 19495127.0/29

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.128+/-0.000 χ^2/NDF: 40673717.7/49

All: 0.122+/-0.000 χ^2/NDF: 82707101.7/102

- sign 0.117+/-0.000 χ^2/NDF: 41933984.4/52



Right In: 159.877+/-0.000 χ^2/NDF: 15735612404.6/24

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.285+/-0.000 χ^2/NDF: 18162557705.1/29

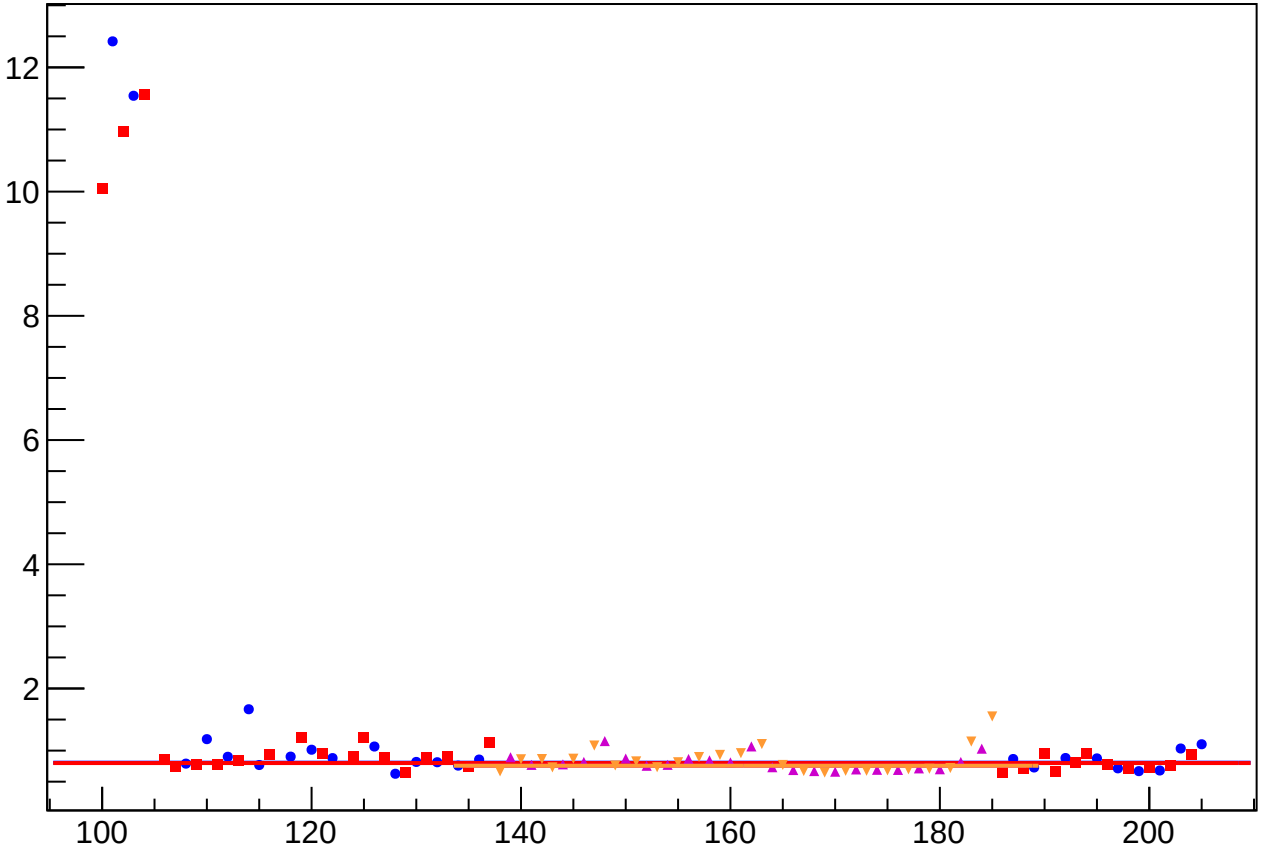
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.682+/-0.000 χ^2/NDF: 19489182234.6/49

All: 160.019+/-0.000 χ^2/NDF: 41456880567.

- sign 159.378+/-0.000 χ^2/NDF: 21934264220.0/52

yield_bcm0l02_rms vs Slug



Right In: 0.805+/-0.000 χ^2/NDF: 2637445.8/24

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

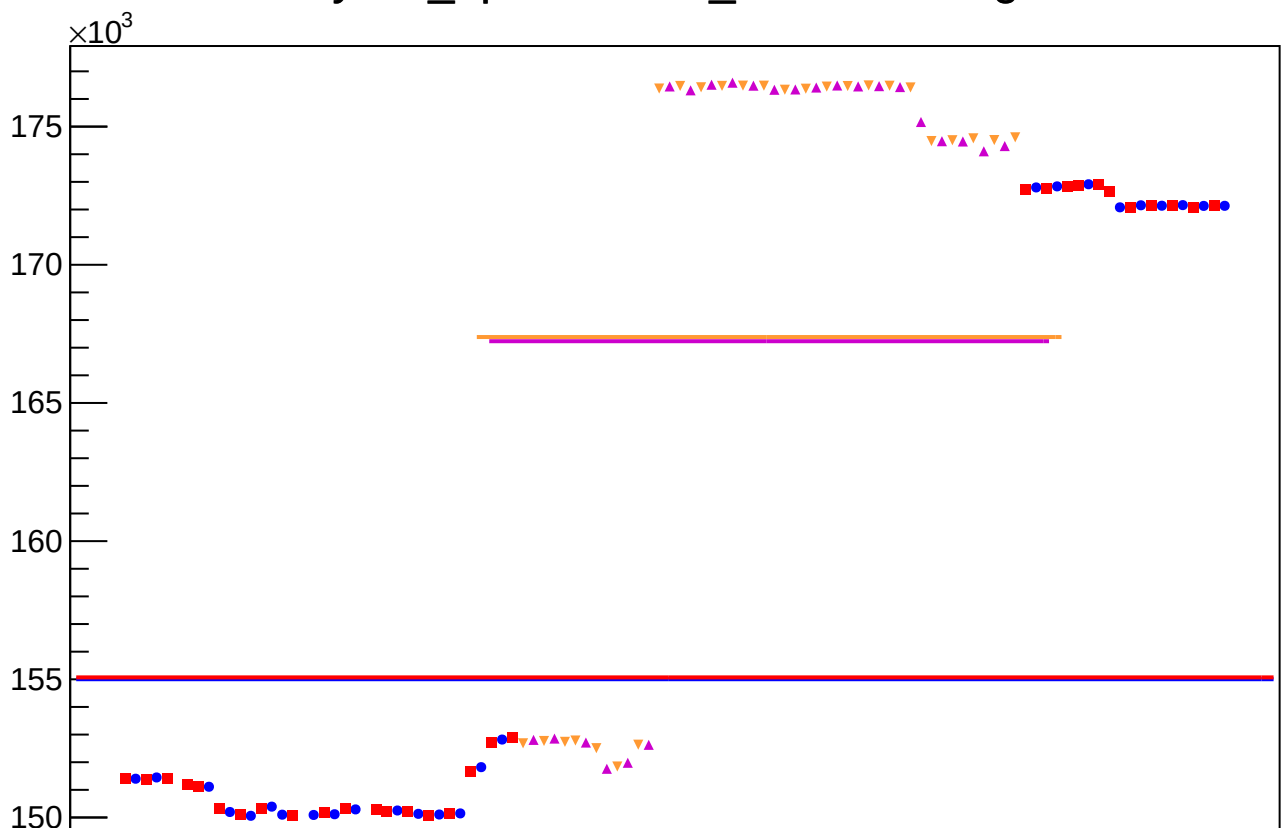
Right Out: 0.800+/-0.000 χ^2/NDF: 2453017.4/29

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.774+/-0.000 χ^2/NDF: 3431174.7/49

All: 0.774+/-0.000 χ^2/NDF: 6394884.0/102

- sign 0.774+/-0.000 χ^2/NDF: 2963687.6/52



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

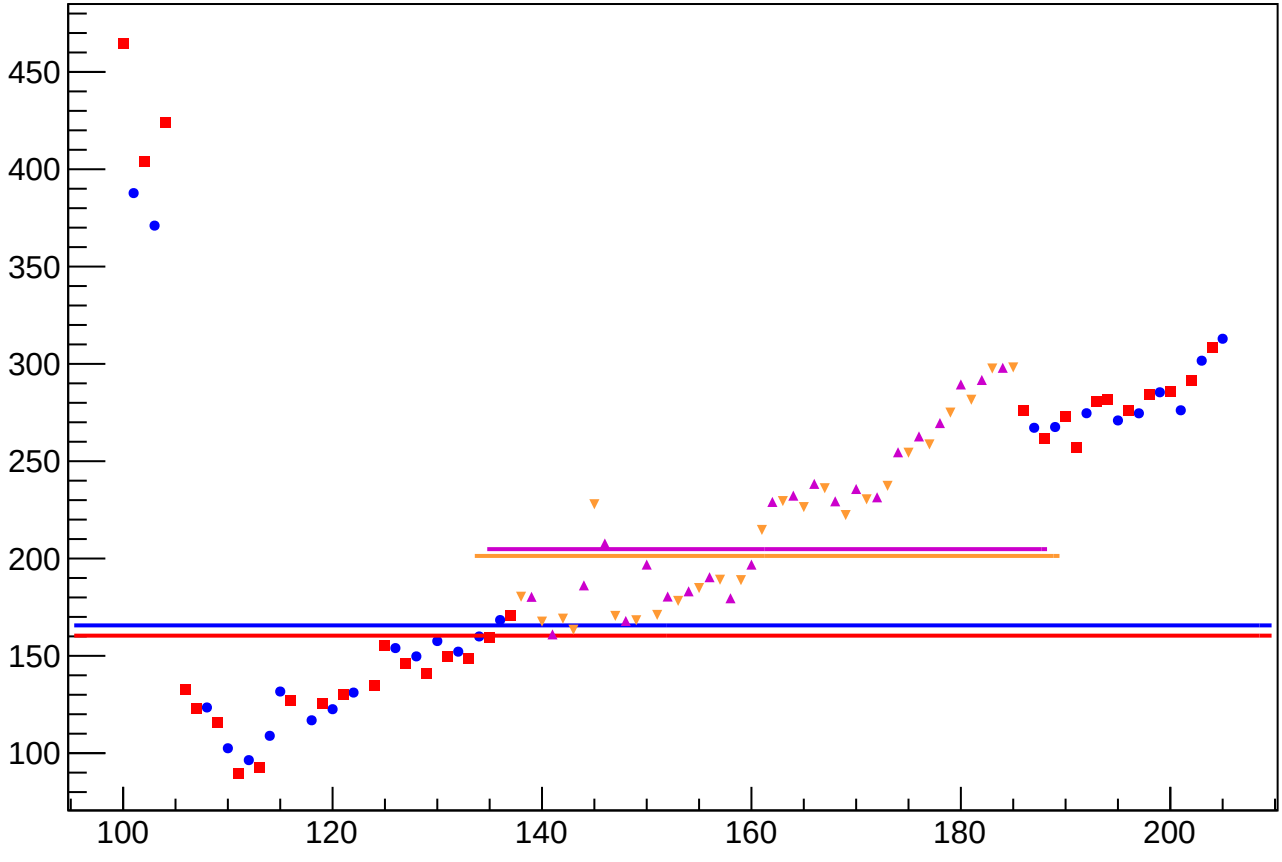
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161453.267+/-0.034 χ^2/NDF: 12584061234

All: 161075.685+/-0.024 χ^2/NDF: 25257738

- sign 160708.256+/-0.033 χ^2/NDF: 126489500999

yield_bpm2i01WS_rms vs Slug



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

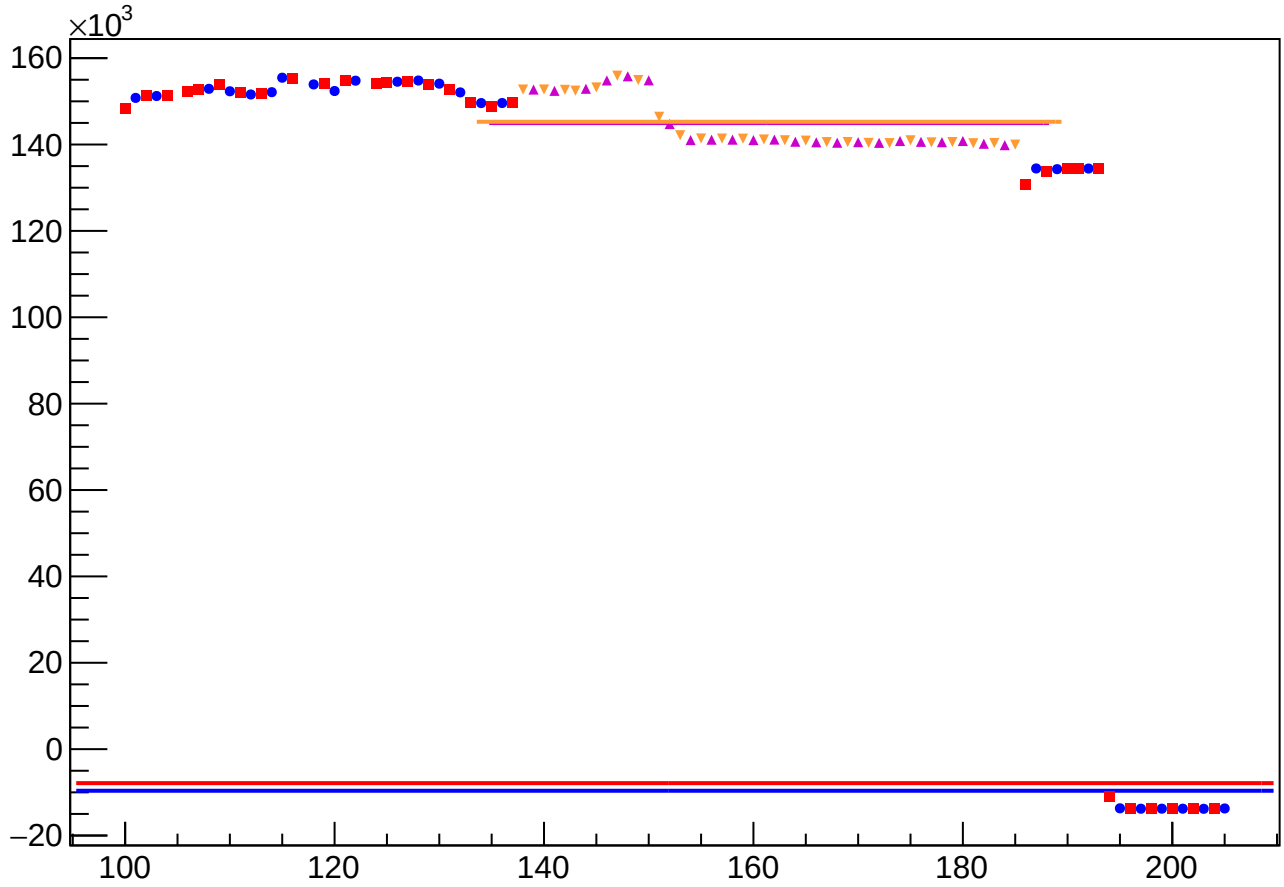
Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 184.232+/-0.024 χ^2/NDF: 6152814.1/49

All: 182.584+/-0.017 χ^2/NDF: 13395494.4/10

- sign 180.980+/-0.024 χ^2/NDF: 7233255.2/52



Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

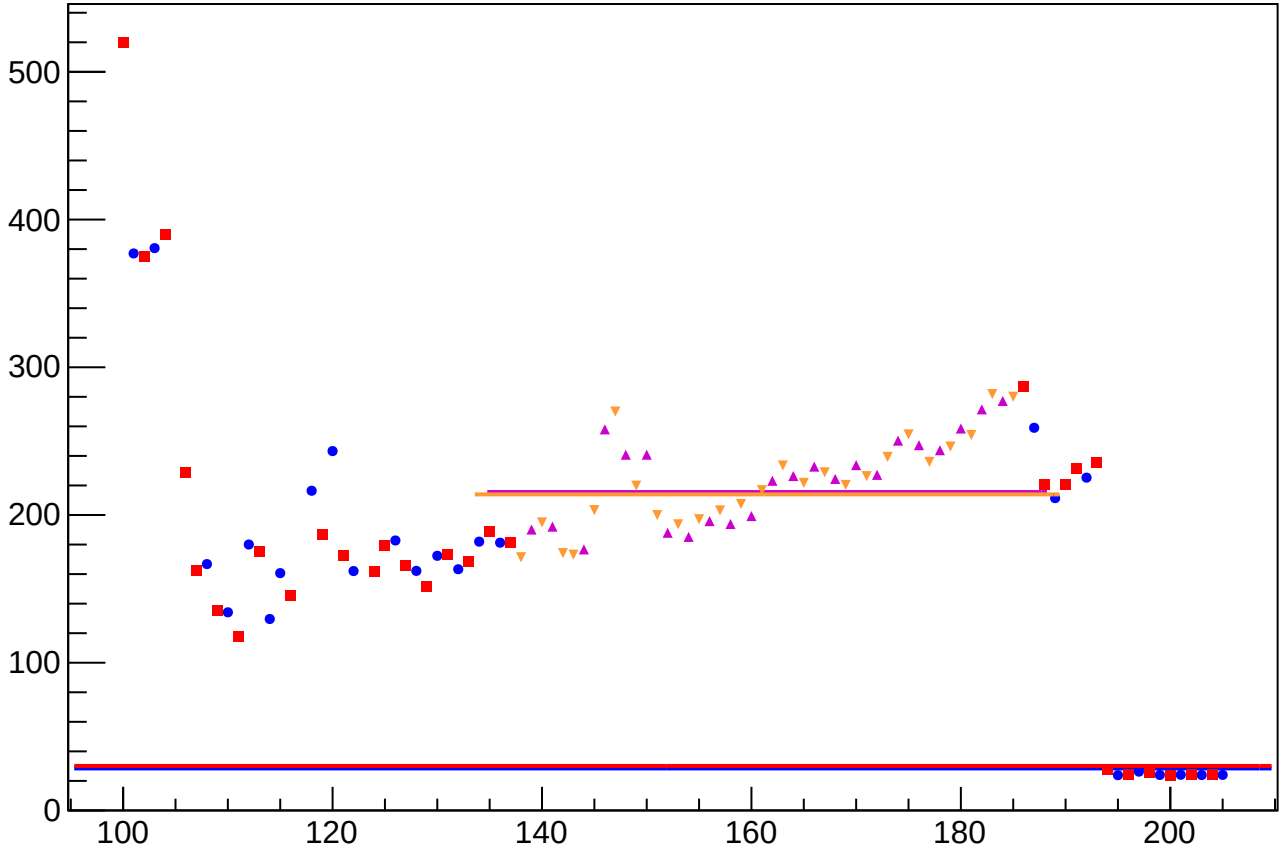
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -2761.752+/-0.010 χ^2/NDF: 1524732373948

All: -1847.038+/-0.008 χ^2/NDF: 3082973374

- sign -825.714+/-0.011 χ^2/NDF: 15566037998189.

yield_bpm0i07WS_rms vs Slug



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

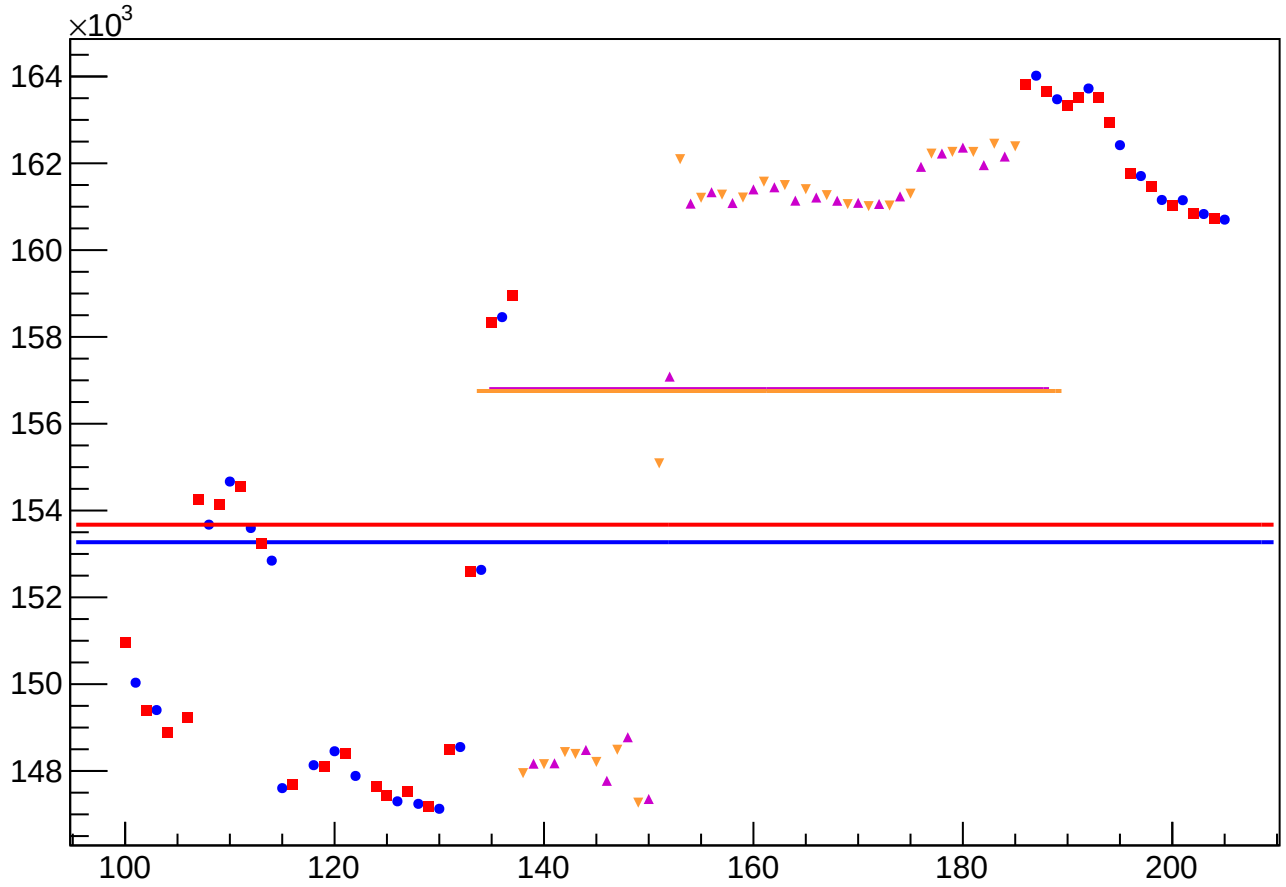
Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 36.683+/-0.007 χ^2/NDF: 40198302.1/49

All: 37.620+/-0.005 χ^2/NDF: 80085183.3/102

- sign 38.666+/-0.008 χ^2/NDF: 39852527.1/52



Right In: 153270.418+/-0.055 χ^2/NDF: 10583274759.5/24

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153673.961+/-0.052 χ^2/NDF: 11688165115.9/29

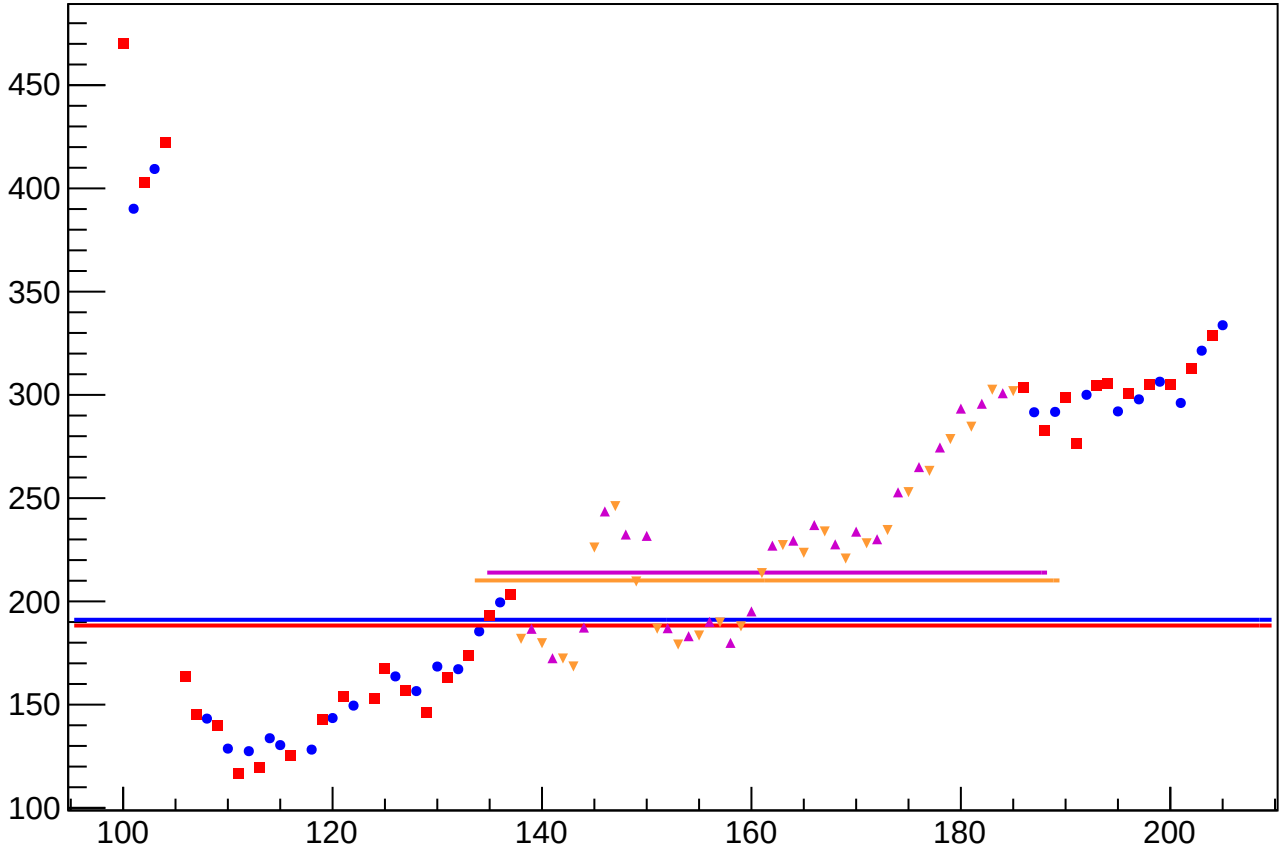
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155235.978+/-0.037 χ^2/NDF: 29199854089.

All: 155259.196+/-0.026 χ^2/NDF: 57056734

- sign 155282.446+/-0.037 χ^2/NDF: 27856072227.

yield_bpm0i01WS_rms vs Slug



Right In: 191.096+/-0.039 χ^2/NDF: 3653957.9/24

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

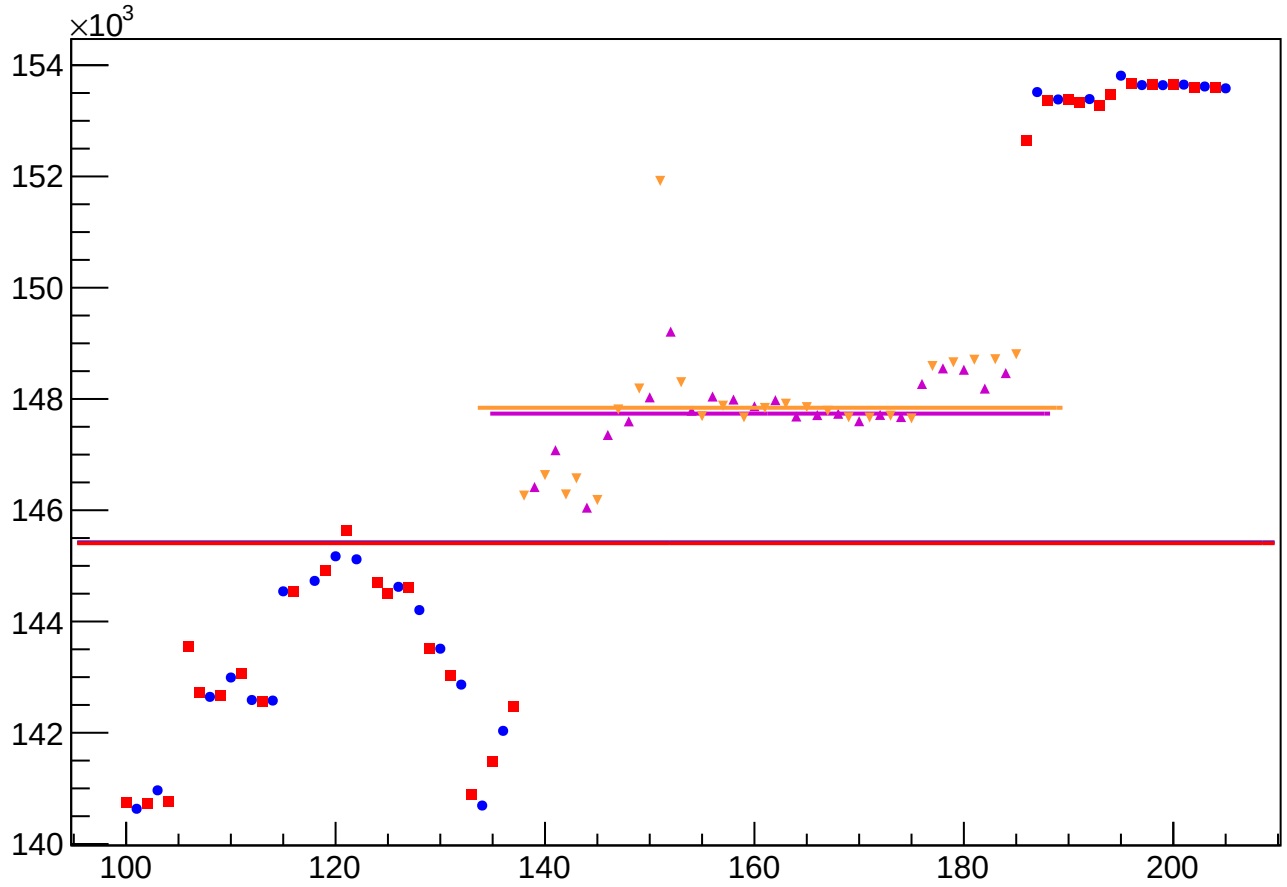
Right Out: 188.310+/-0.037 χ^2/NDF: 4246913.1/29

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 201.842+/-0.026 χ^2/NDF: 4785407.0/49

All: 201.676+/-0.018 χ^2/NDF: 10192470.8/10

- sign 201.509+/-0.026 χ^2/NDF: 5406981.0/52



Right In: 145421.689+/-0.047 χ^2/NDF: 8212675347.0/24

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145407.714+/-0.044 χ^2/NDF: 9364844022.5/29

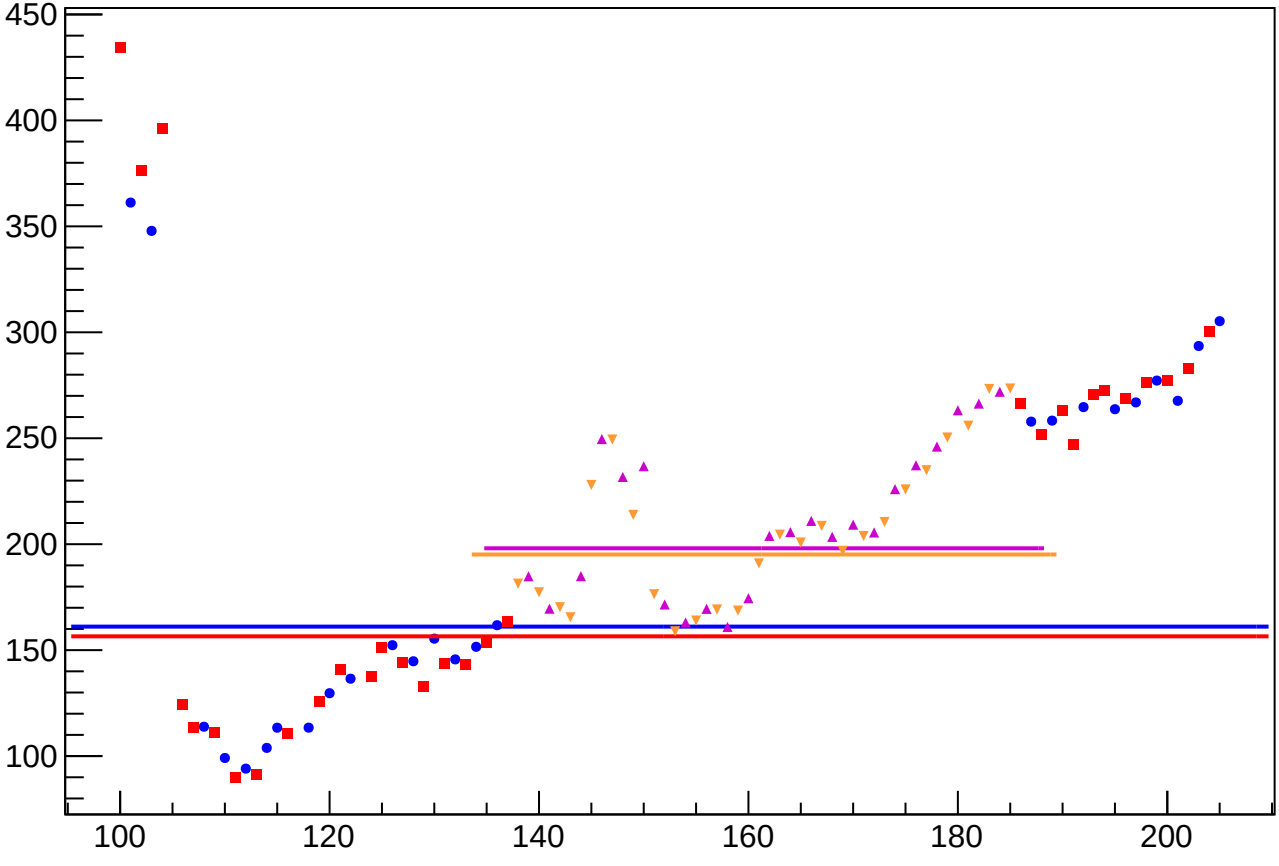
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146690.705+/-0.033 χ^2/NDF: 10294105473.

All: 146592.621+/-0.023 χ^2/NDF: 21200773

- sign 146496.984+/-0.032 χ^2/NDF: 10888874043.

yield_bpm0i01aWS_rms vs Slug



Right In: 161.101+/-0.034 χ^2/NDF: 4309996.0/24

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

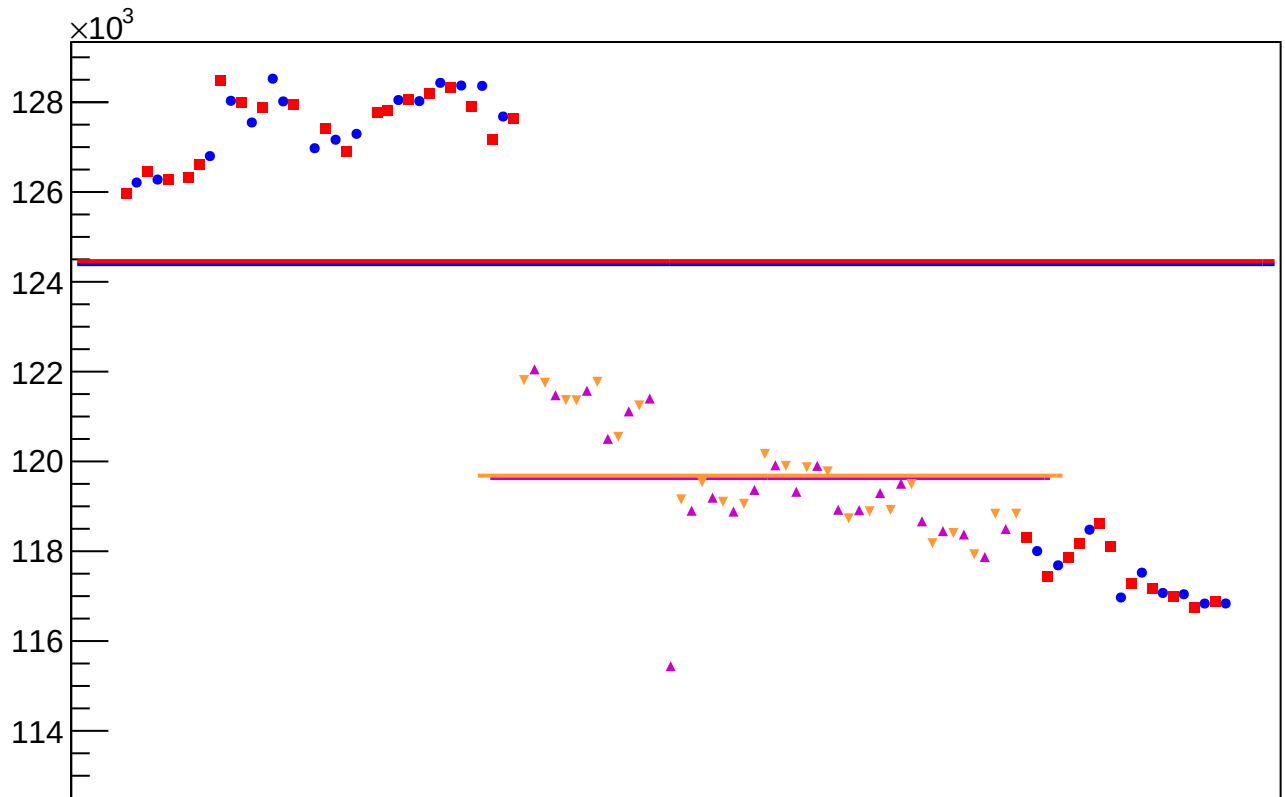
Right Out: 156.512+/-0.031 χ^2/NDF: 5155502.5/29

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 178.950+/-0.023 χ^2/NDF: 5755391.8/49

All: 177.427+/-0.016 χ^2/NDF: 12645213.7/10

- sign 175.942+/-0.023 χ^2/NDF: 6881241.7/52



Right In: 124393.190+/-0.048 χ^2/NDF: 10204008589.5/24

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124461.672+/-0.045 χ^2/NDF: 11301195549.6/29

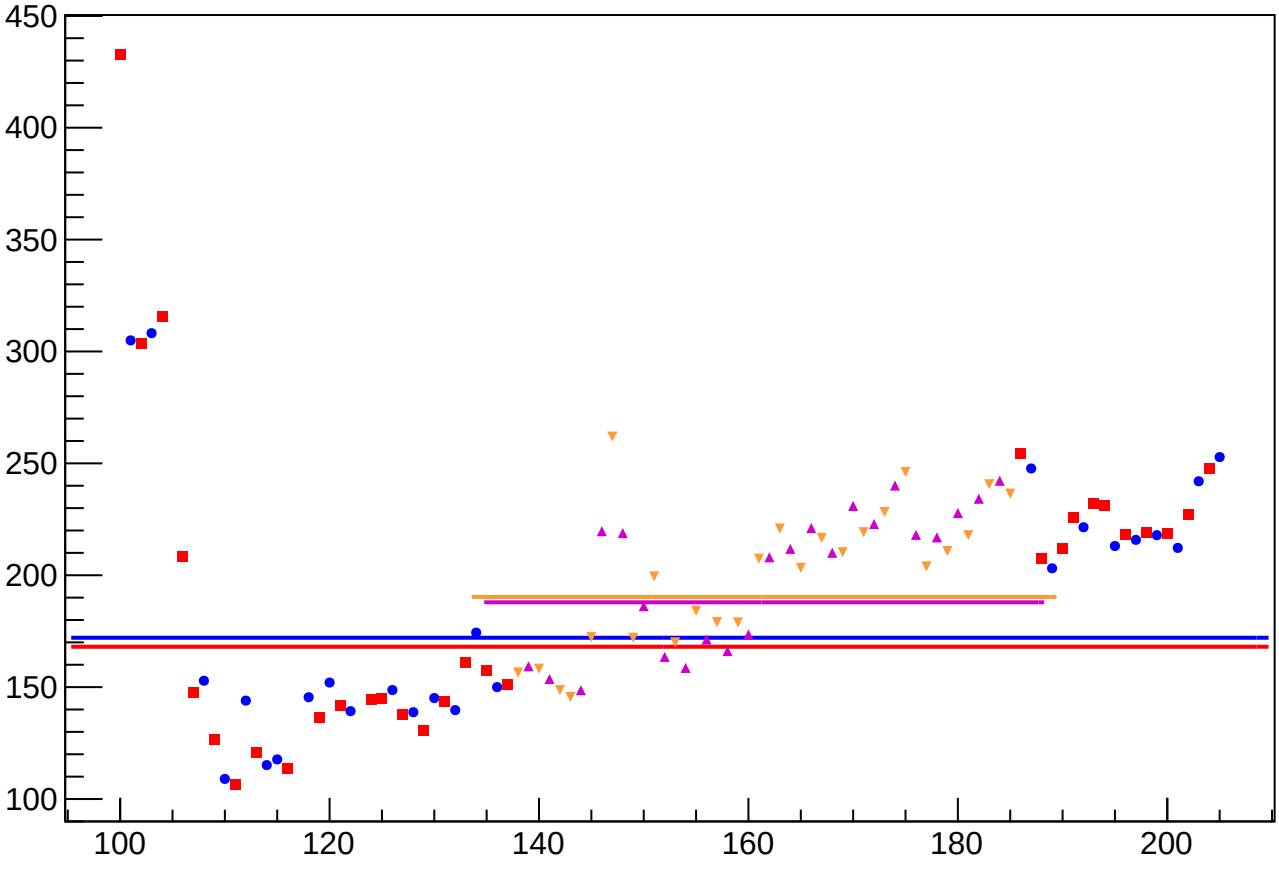
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121838.982+/-0.033 χ^2/NDF: 17371116951.

All: 121935.378+/-0.023 χ^2/NDF: 35732687

- sign 122027.849+/-0.032 χ^2/NDF: 18344618333.9

yield_bpm0l01WS_rms vs Slug



Right In: 172.070+/-0.034 χ^2/NDF: 1897605.1/24

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

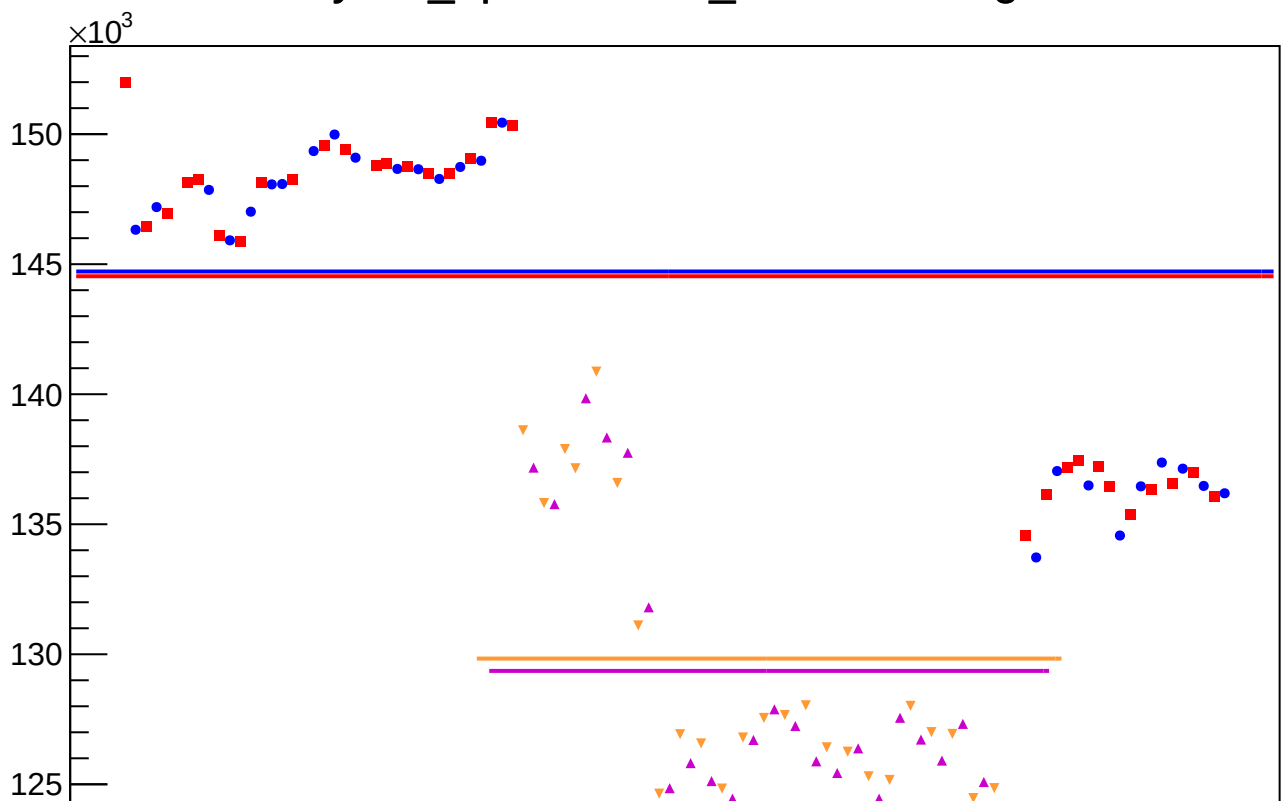
Right Out: 168.046+/-0.032 χ^2/NDF: 2507699.4/29

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 181.955+/-0.023 χ^2/NDF: 2977369.7/49

All: 179.962+/-0.016 χ^2/NDF: 6619264.2/102

- sign 178.051+/-0.023 χ^2/NDF: 3627248.6/52



Right In: 144718.955+/-0.068 χ^2/NDF: 7169295064.7/24

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144536.015+/-0.063 χ^2/NDF: 7949225474.7/29

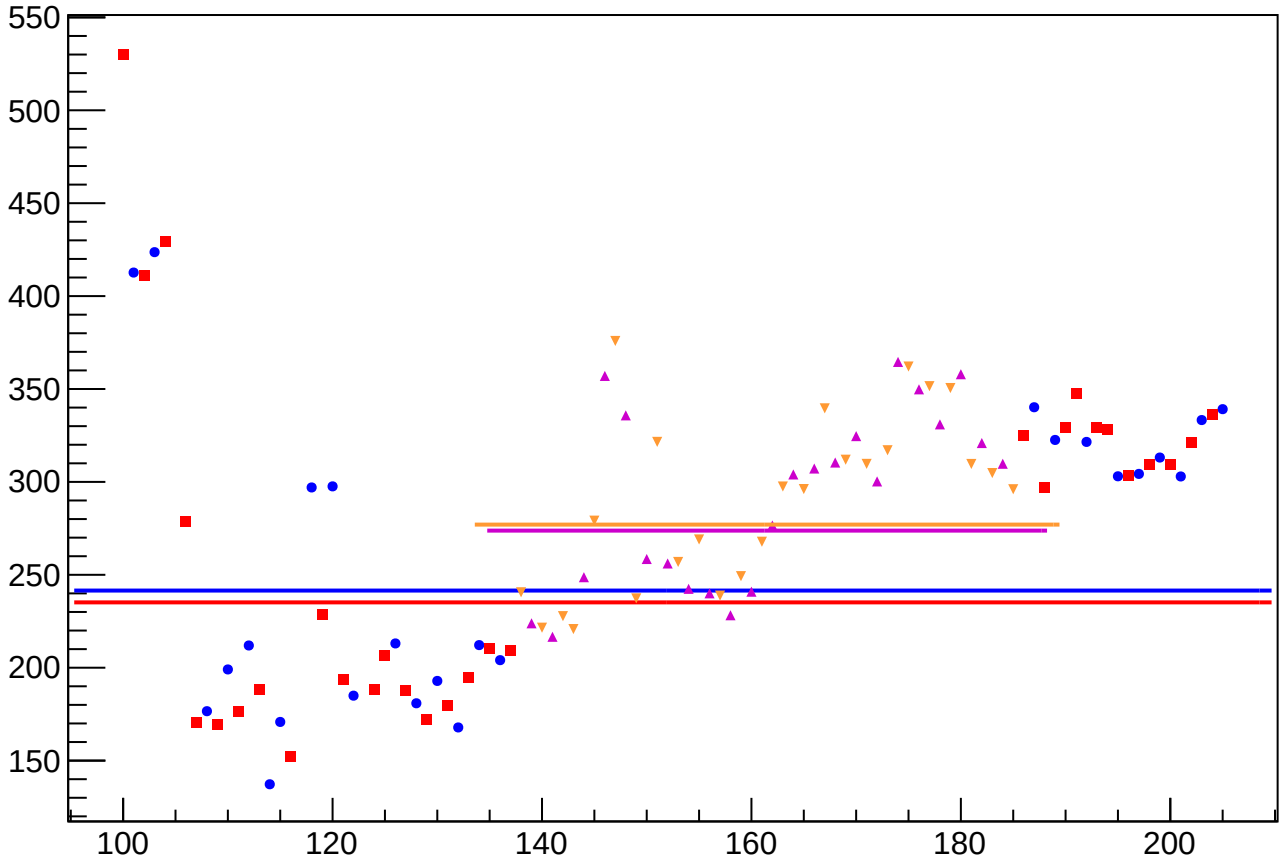
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136858.576+/-0.047 χ^2/NDF: 39330198928.

All: 137018.959+/-0.033 χ^2/NDF: 8168280

- sign 137171.687+/-0.046 χ^2/NDF: 42329532228.

yield_bpm0l02WS_rms vs Slug



Right In: 241.522+/-0.048 χ^2/NDF: 2121714.2/24

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

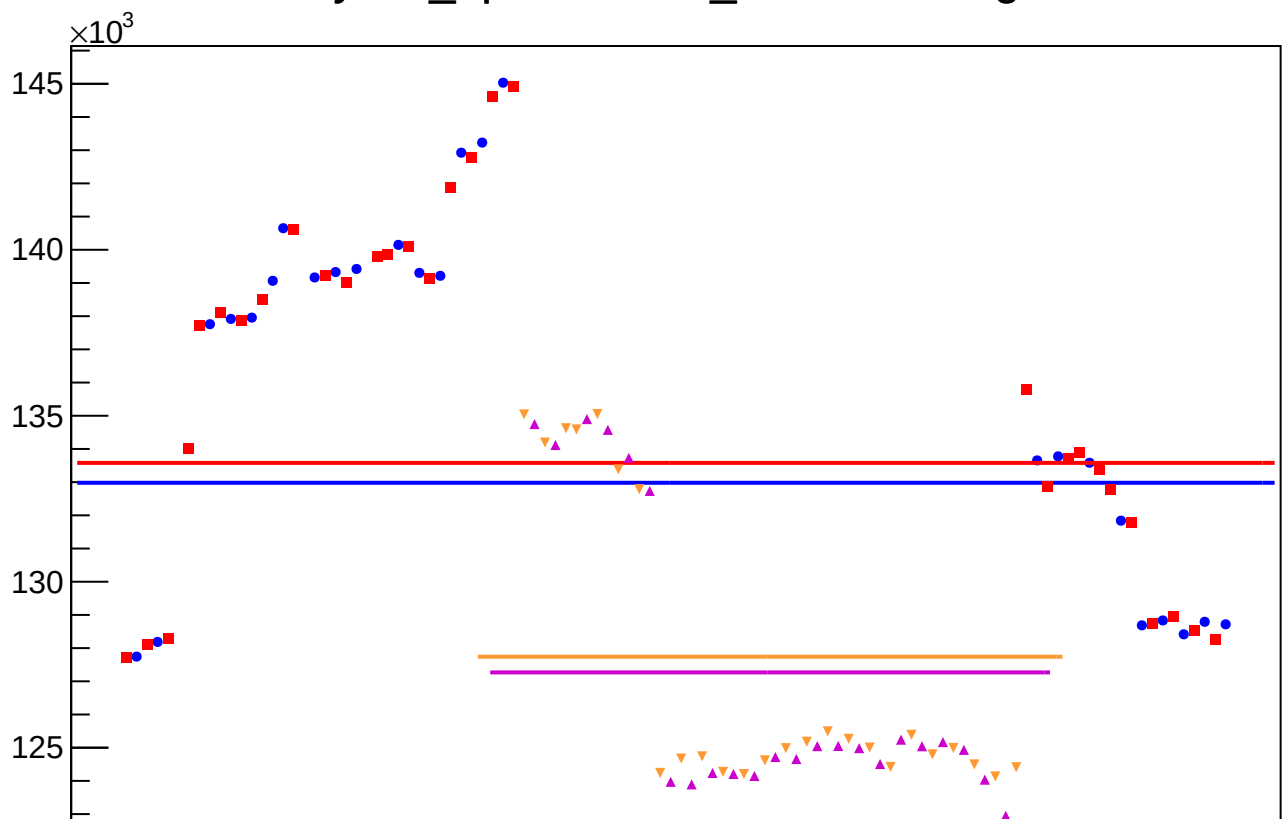
Right Out: 235.160+/-0.045 χ^2/NDF: 2467627.4/29

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 260.269+/-0.033 χ^2/NDF: 3356890.3/49

All: 257.008+/-0.023 χ^2/NDF: 7207081.3/102

- sign 253.904+/-0.032 χ^2/NDF: 3831120.3/52



Right In: 132981.052+/-0.111 χ^2/NDF: 2519151182.0/24

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133580.428+/-0.115 χ^2/NDF: 1633300386.7/29

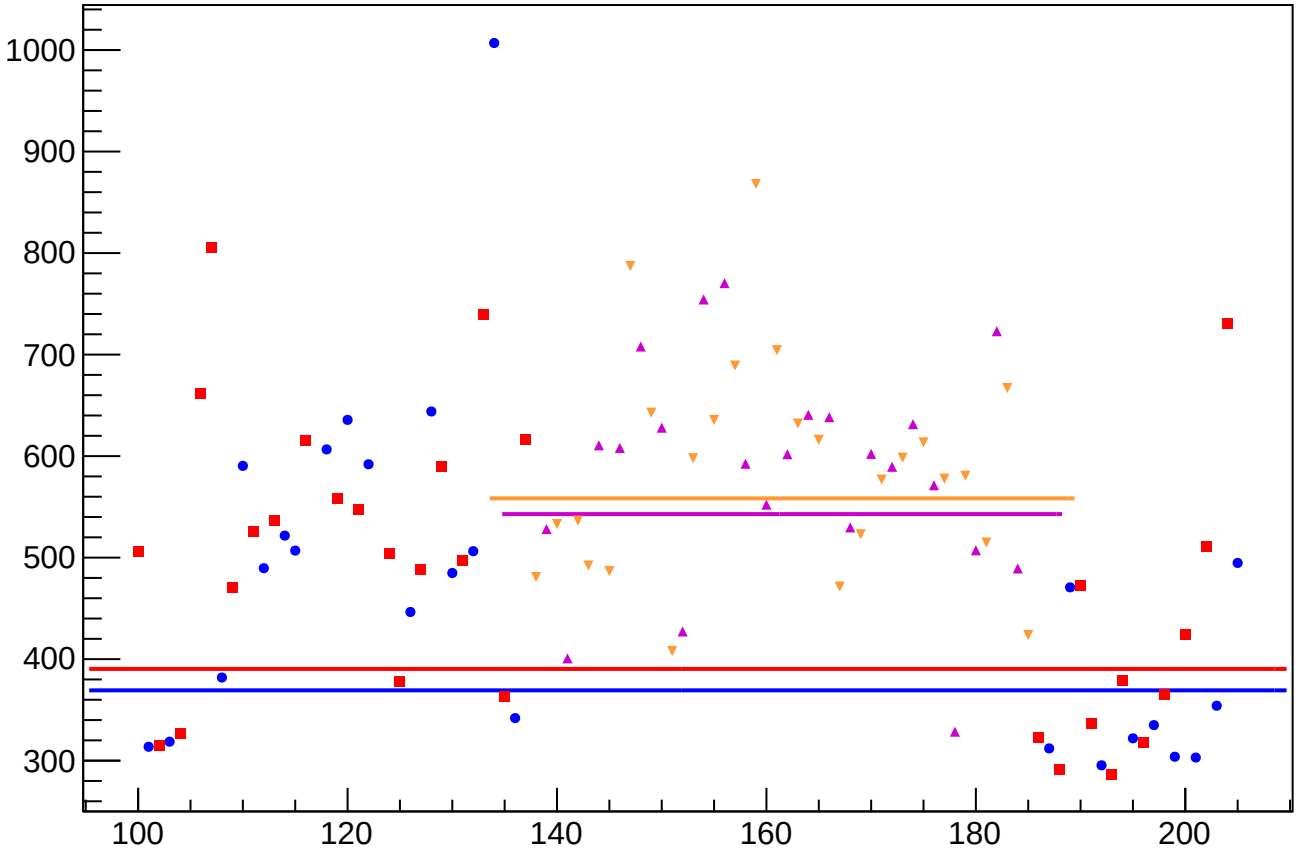
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130871.412+/-0.086 χ^2/NDF: 4504041967.9

All: 130938.873+/-0.062 χ^2/NDF: 83394161

- sign 131010.182+/-0.088 χ^2/NDF: 3834109156.8/

yield_bpm0l03WS_rms vs Slug



Right In: 369.256+/-0.079 χ^2/NDF: 1573550.1/24

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

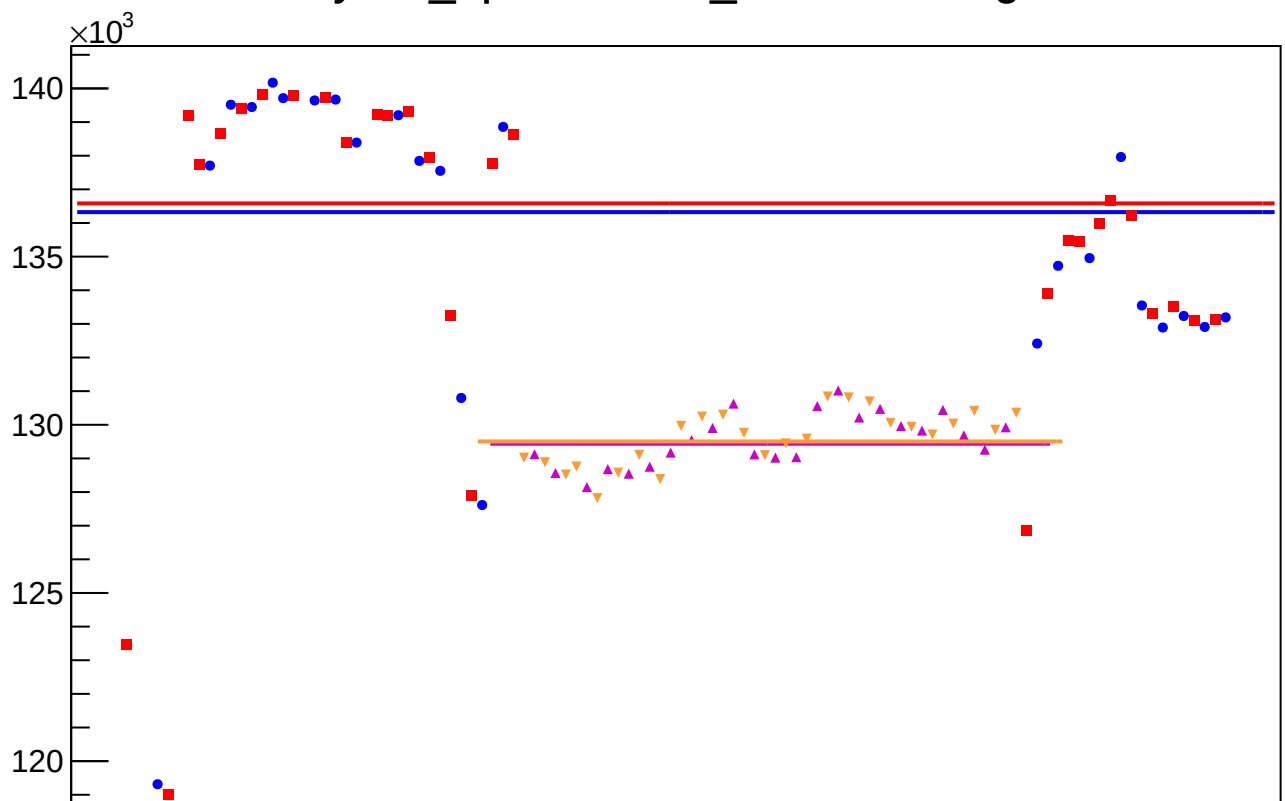
Right Out: 390.381+/-0.081 χ^2/NDF: 1878741.8/29

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 445.396+/-0.061 χ^2/NDF: 4866646.1/49

All: 448.838+/-0.044 χ^2/NDF: 9603805.2/102

- sign 452.476+/-0.063 χ^2/NDF: 4730573.3/52



Right In: 136323.425+/-0.061 χ^2/NDF: 6331948969.1/24

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136582.282+/-0.057 χ^2/NDF: 6631863319.9/29

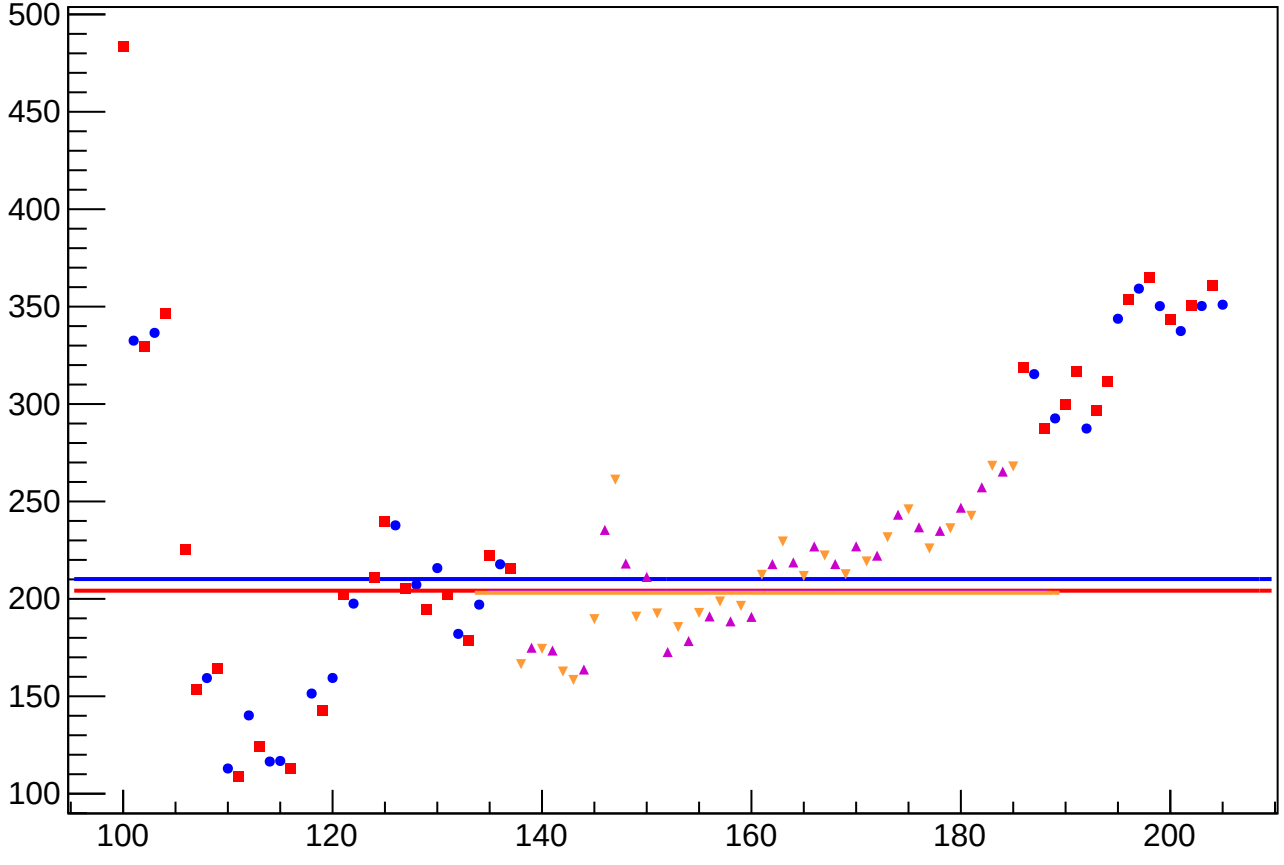
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132037.628+/-0.037 χ^2/NDF: 14449922538.

All: 132230.426+/-0.026 χ^2/NDF: 30489221

- sign 132420.176+/-0.037 χ^2/NDF: 1598617476

yield_bpm0l04WS_rms vs Slug



Right In: 210.173+/-0.043 χ^2/NDF: 3611463.1/24

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

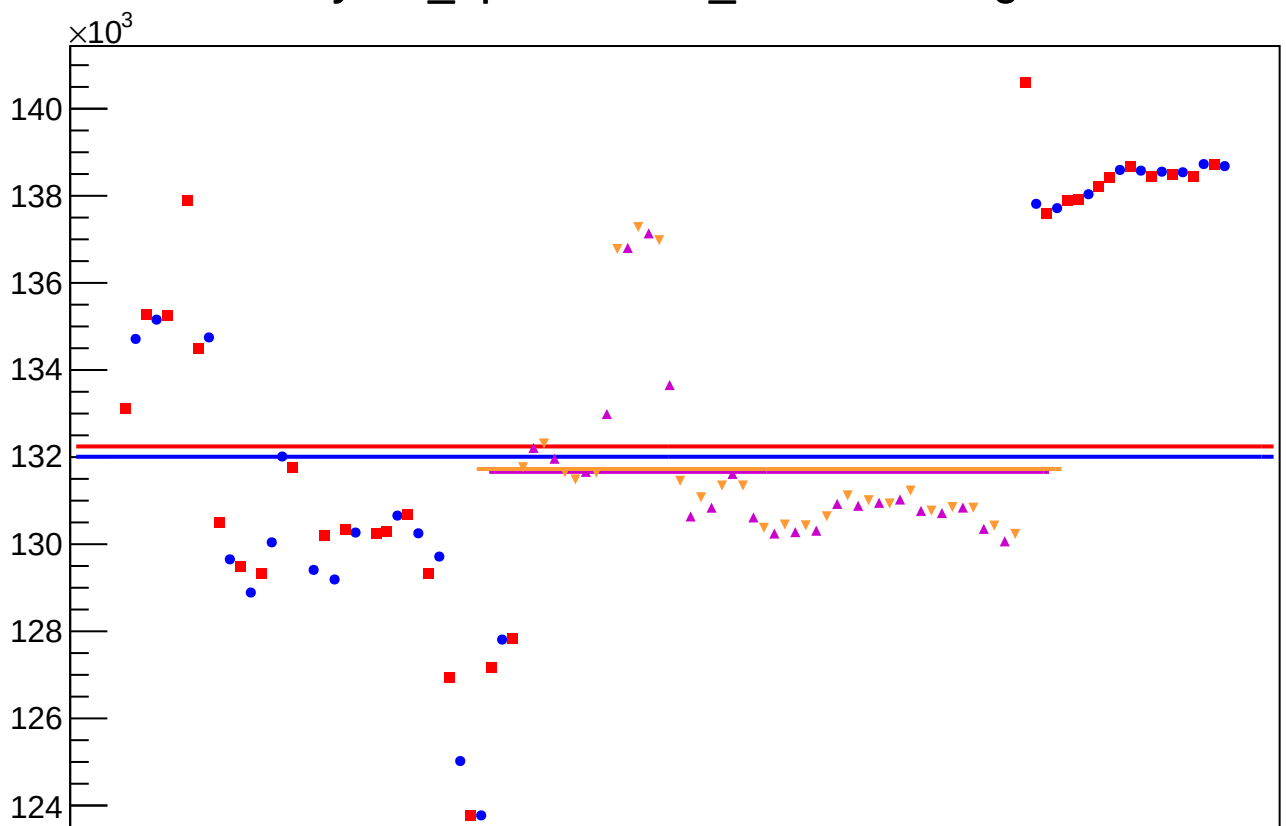
Right Out: 204.201+/-0.040 χ^2/NDF: 4405670.4/29

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 205.746+/-0.026 χ^2/NDF: 4386601.3/49

All: 204.775+/-0.019 χ^2/NDF: 9461160.4/102

- sign 203.820+/-0.026 χ^2/NDF: 5071866.7/52



Right In: 132007.975+/-0.056 χ^2/NDF: 7284003048.6/24

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132244.774+/-0.052 χ^2/NDF: 7644197055.0/29

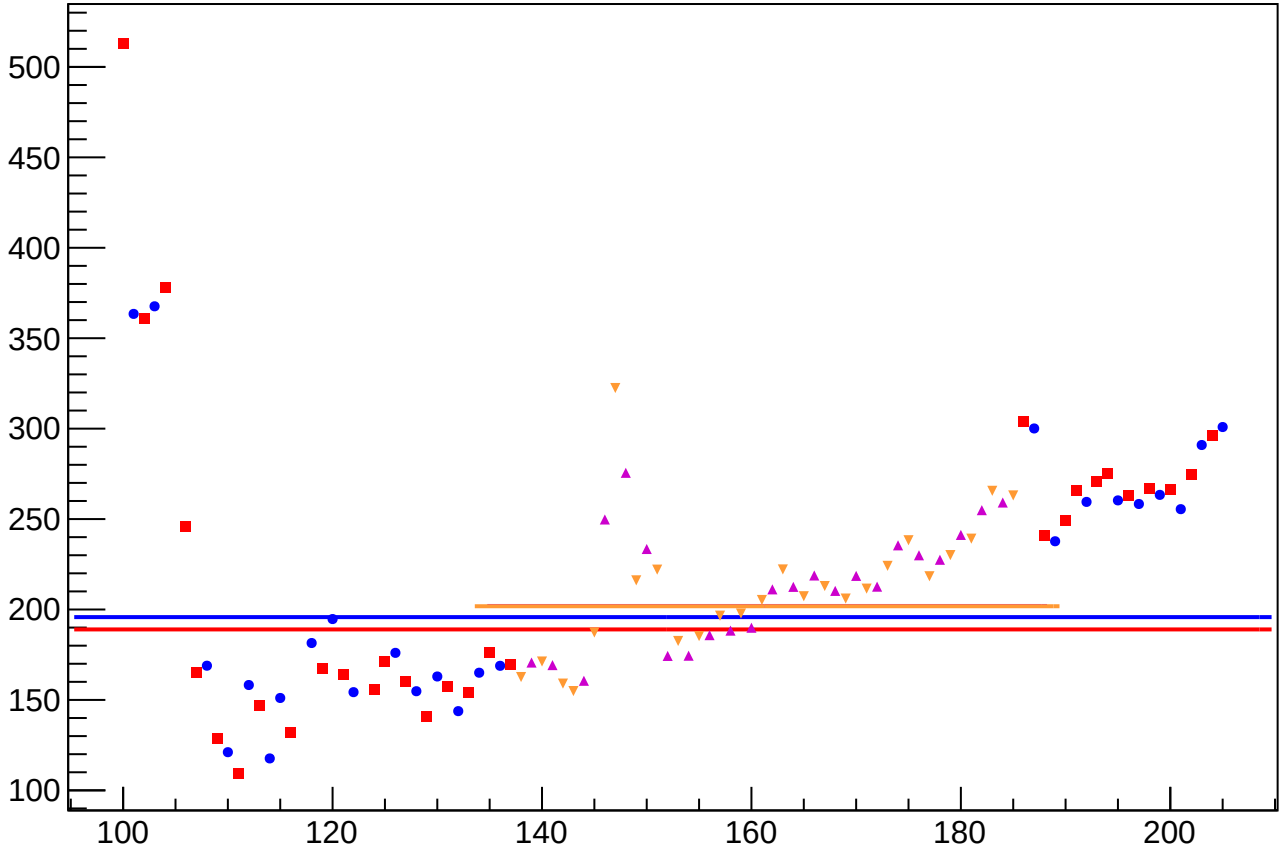
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131843.901+/-0.036 χ^2/NDF: 8724000718.4

All: 131888.473+/-0.025 χ^2/NDF: 17603910

- sign 131931.715+/-0.035 χ^2/NDF: 8876855870.0/

yield_bpm0l05WS_rms vs Slug



Right In: 195.793+/-0.039 χ^2/NDF: 2337993.7/24

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

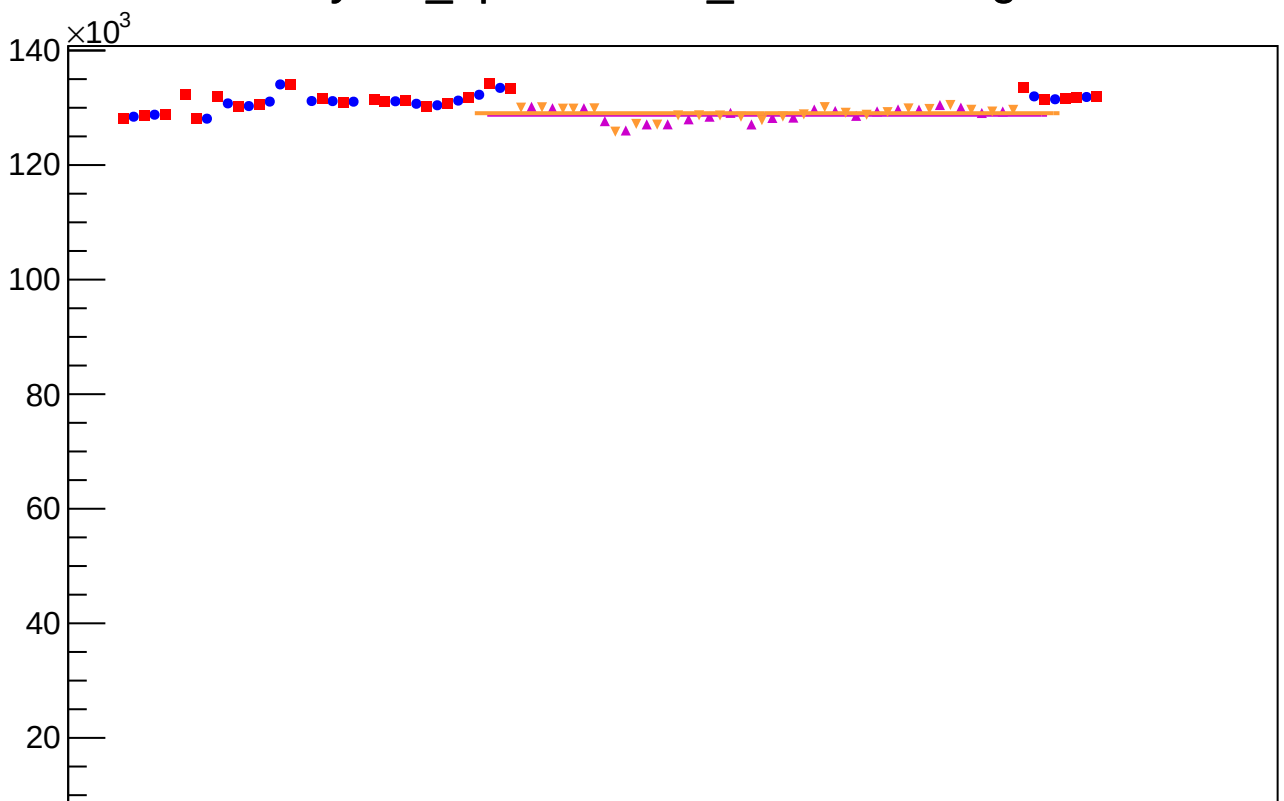
Right Out: 188.982+/-0.037 χ^2/NDF: 3154276.1/29

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 199.301+/-0.025 χ^2/NDF: 3257014.3/49

All: 197.589+/-0.018 χ^2/NDF: 7290231.2/102

- sign 195.929+/-0.025 χ^2/NDF: 4024212.5/52



Right In: 3864.530+/-0.006 χ^2/NDF: 4977649739512.9/24

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4393.316+/-0.006 χ^2/NDF: 5874960828318.1/29

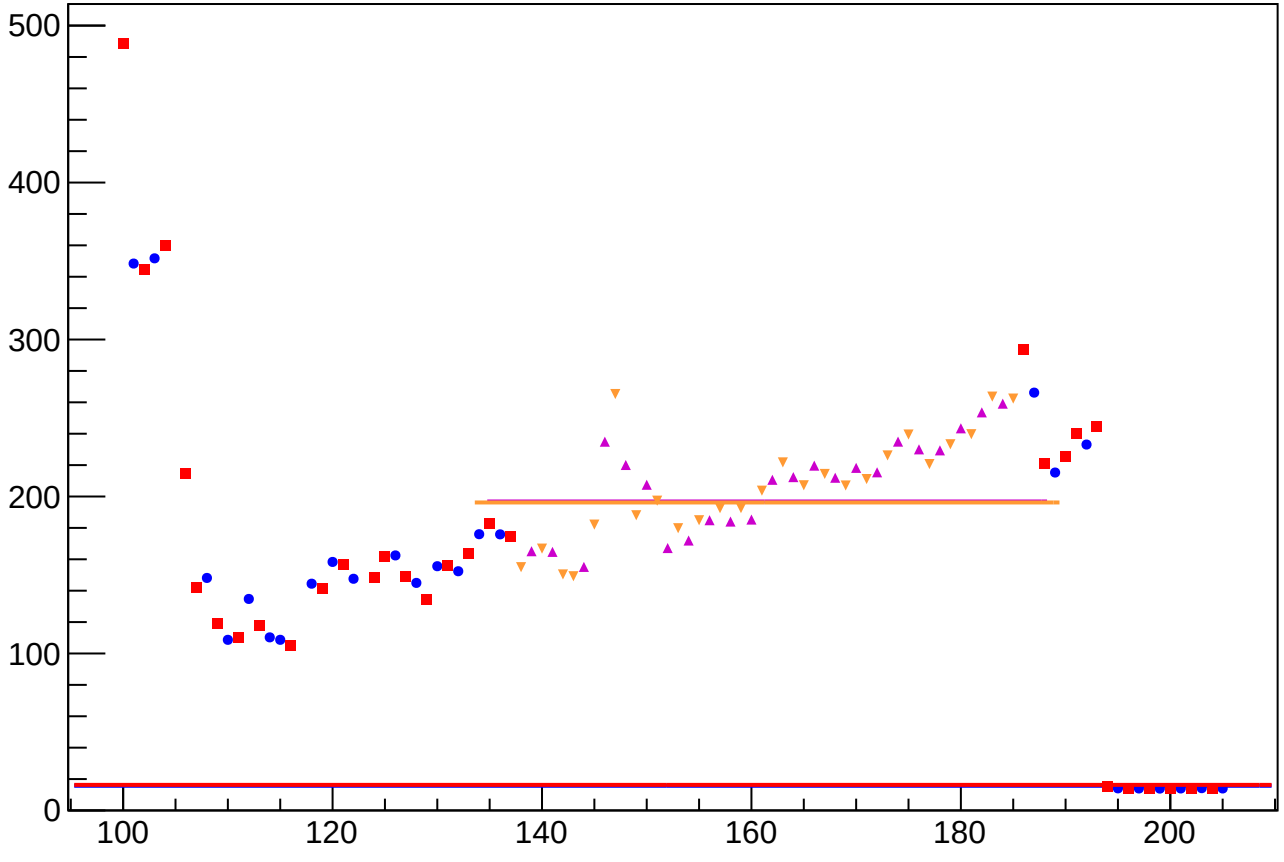
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 6105.731+/-0.006 χ^2/NDF: 12415362356100

All: 6401.415+/-0.004 χ^2/NDF: 2519911260

- sign 6731.322+/-0.006 χ^2/NDF: 12778757542280

yield_bpm0l06WS_rms vs Slug



Right In: 15.726+/-0.004 χ^2/NDF: 14385850.5/24

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

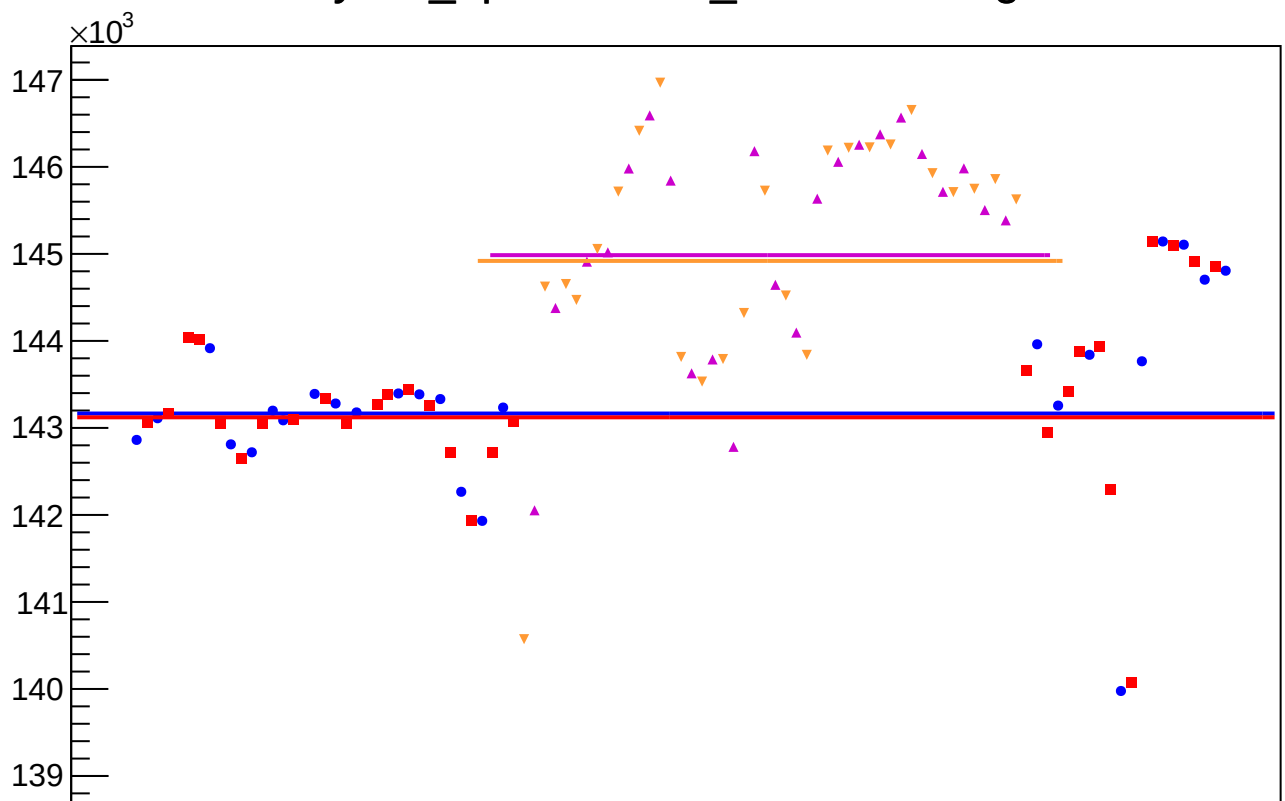
Right Out: 16.294+/-0.005 χ^2/NDF: 16439939.2/29

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 18.957+/-0.004 χ^2/NDF: 46223887.9/49

All: 19.302+/-0.003 χ^2/NDF: 92536184.2/102

- sign 19.687+/-0.005 χ^2/NDF: 46298686.0/52



Right In: 143165.440+/-0.059 χ^2/NDF: 213272015.4/24

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143121.737+/-0.054 χ^2/NDF: 208568191.9/29

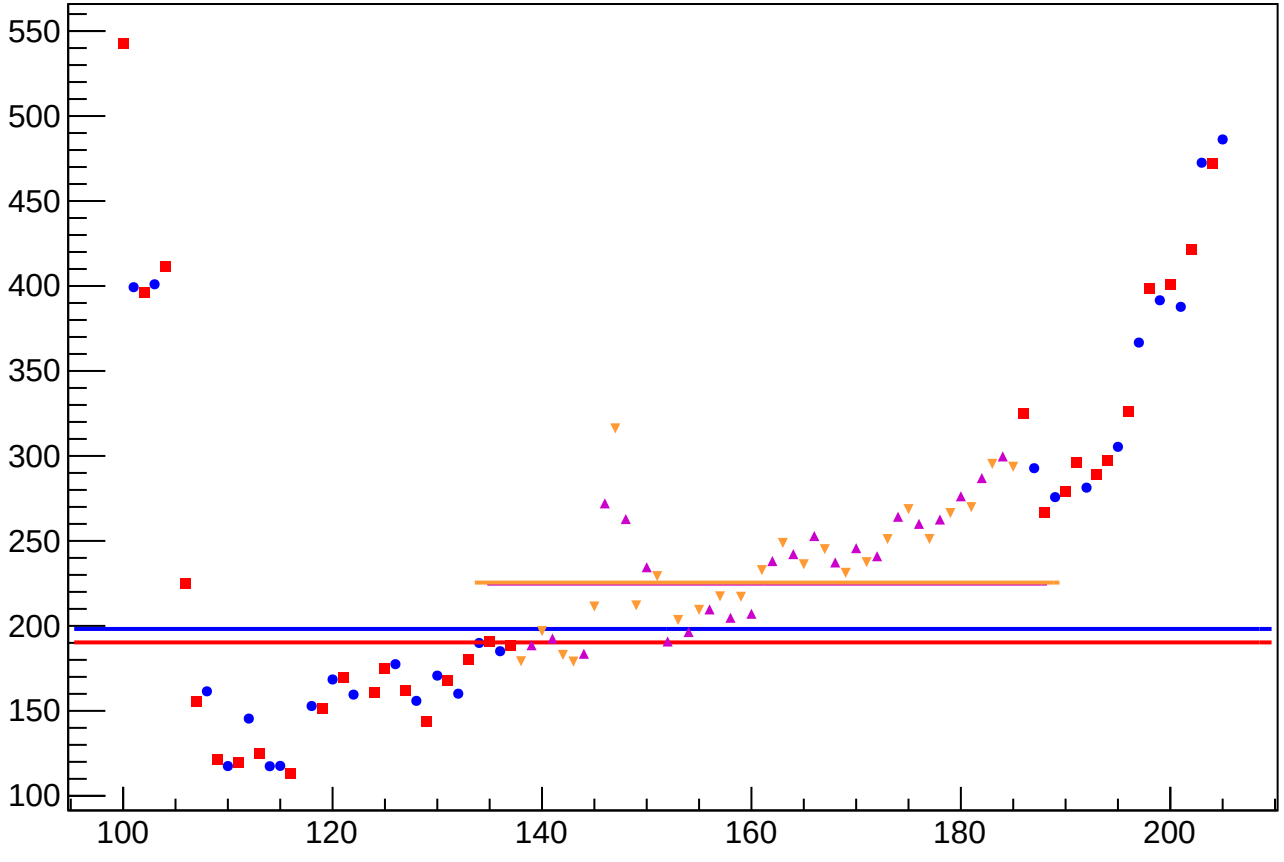
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144142.554+/-0.039 χ^2/NDF: 1548290048.8

All: 144101.179+/-0.027 χ^2/NDF: 29777404

- sign 144061.766+/-0.038 χ^2/NDF: 1427250835.9/

yield_bpm0l07WS_rms vs Slug



Right In: 198.197+/-0.041 χ^2/NDF: 4535042.7/24

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

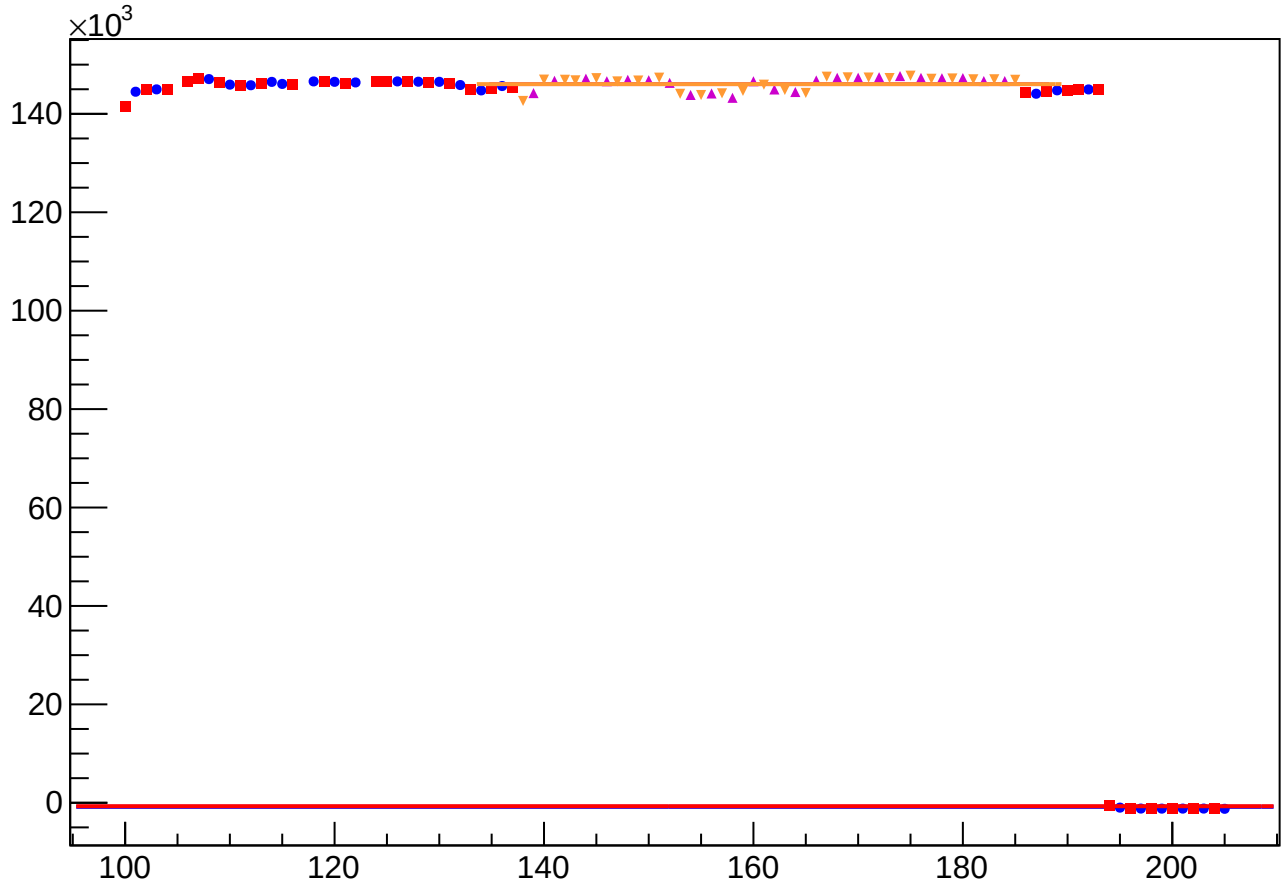
Right Out: 190.278+/-0.038 χ^2/NDF: 5259899.0/29

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 213.394+/-0.028 χ^2/NDF: 5552099.0/49

All: 210.490+/-0.019 χ^2/NDF: 11970722.3/10

- sign 207.724+/-0.027 χ^2/NDF: 6396949.6/52



Right In: -820.640+/-0.003 χ^2/NDF: 5370125288299.1/24

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -696.538+/-0.003 χ^2/NDF: 6455822331939.0/29

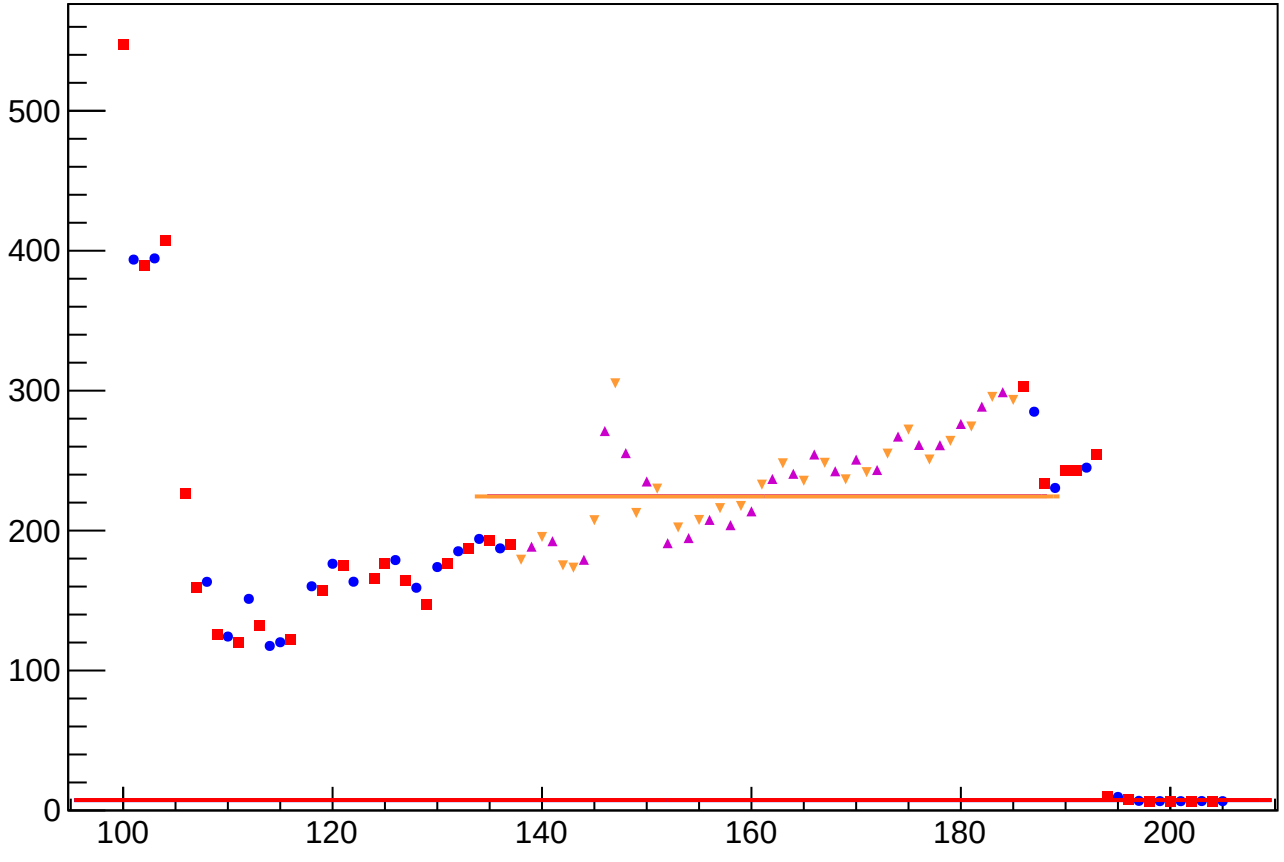
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -304.004+/-0.003 χ^2/NDF: 13316540752233

All: -236.333+/-0.002 χ^2/NDF: 27253721104

- sign -162.024+/-0.003 χ^2/NDF: 13936170677033.

yield_bpm0l08WS_rms vs Slug



Right In: 7.377+/-0.002 χ^2/NDF: 16091893.8/24

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

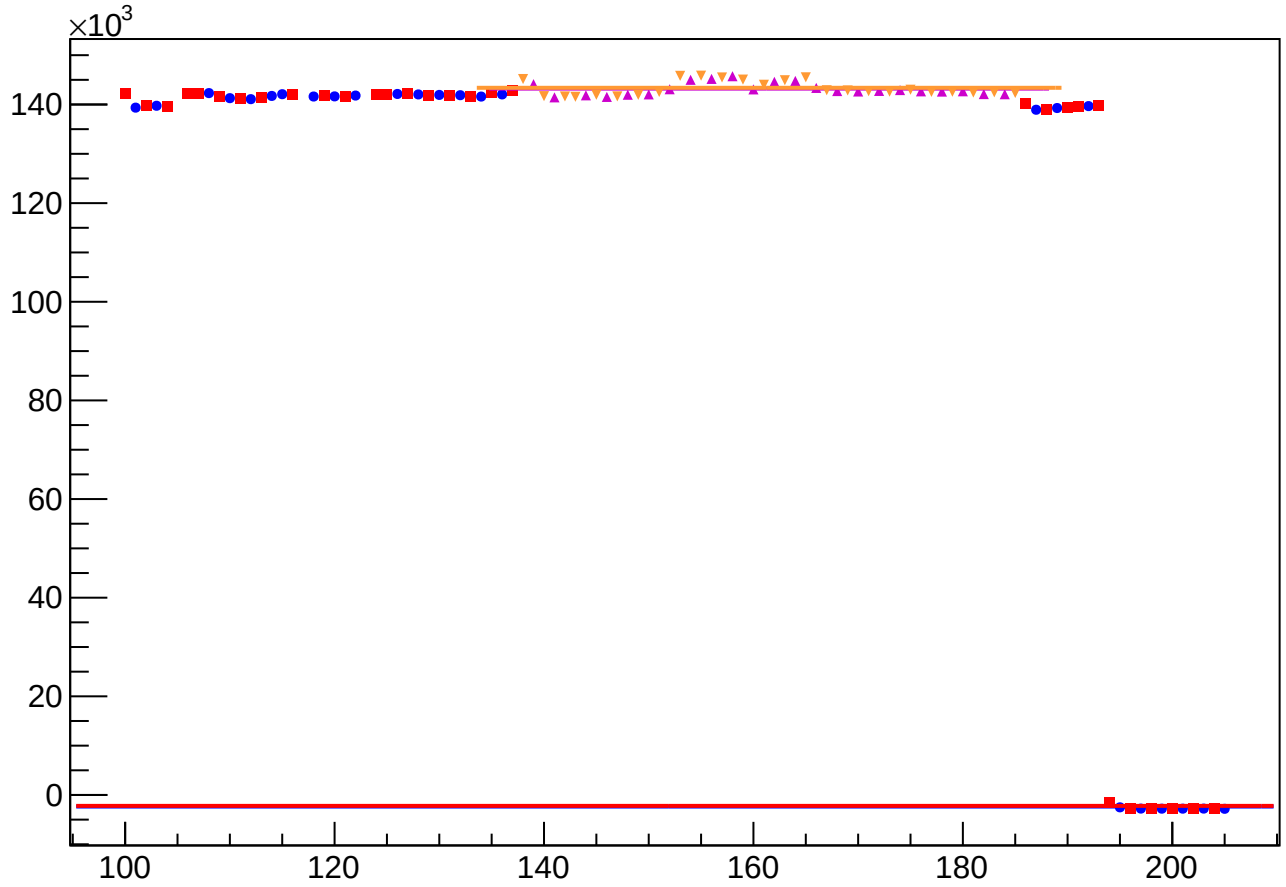
Right Out: 7.452+/-0.002 χ^2/NDF: 18396038.5/29

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 8.140+/-0.002 χ^2/NDF: 51644837.7/49

All: 8.189+/-0.002 χ^2/NDF: 103568132.1/102

- sign 8.243+/-0.002 χ^2/NDF: 51922228.5/52



Right In: -2344.140+/-0.003 χ^2/NDF: 4958297277762.9/24

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2213.316+/-0.004 χ^2/NDF: 5824226906036.4/29

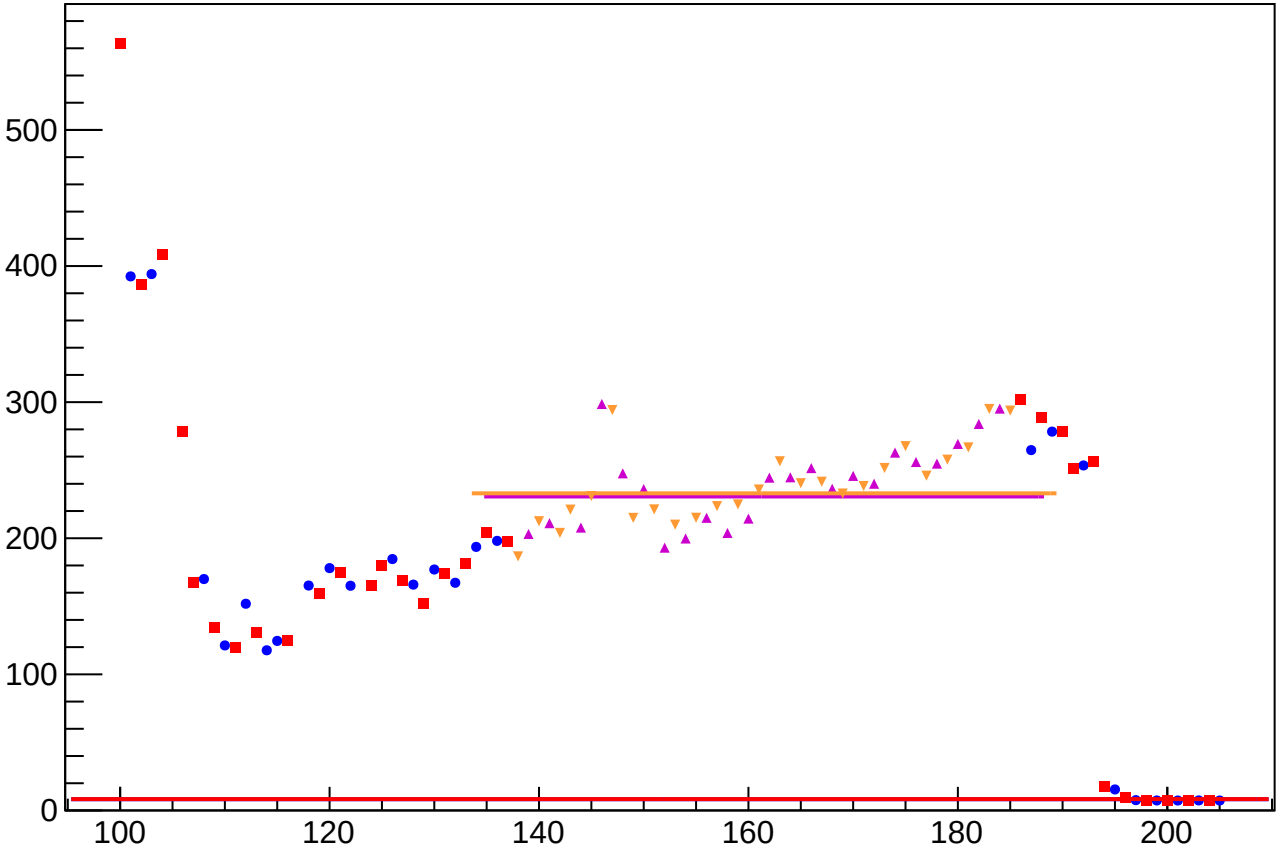
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -1730.433+/-0.003 χ^2/NDF: 1229715140188

All: -1654.586+/-0.003 χ^2/NDF: 2512756585

- sign -1571.702+/-0.004 χ^2/NDF: 1282942248335

yield_bpm0l09WS_rms vs Slug



Right In: 8.244+/-0.002 χ^2/NDF: 16245762.6/24

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

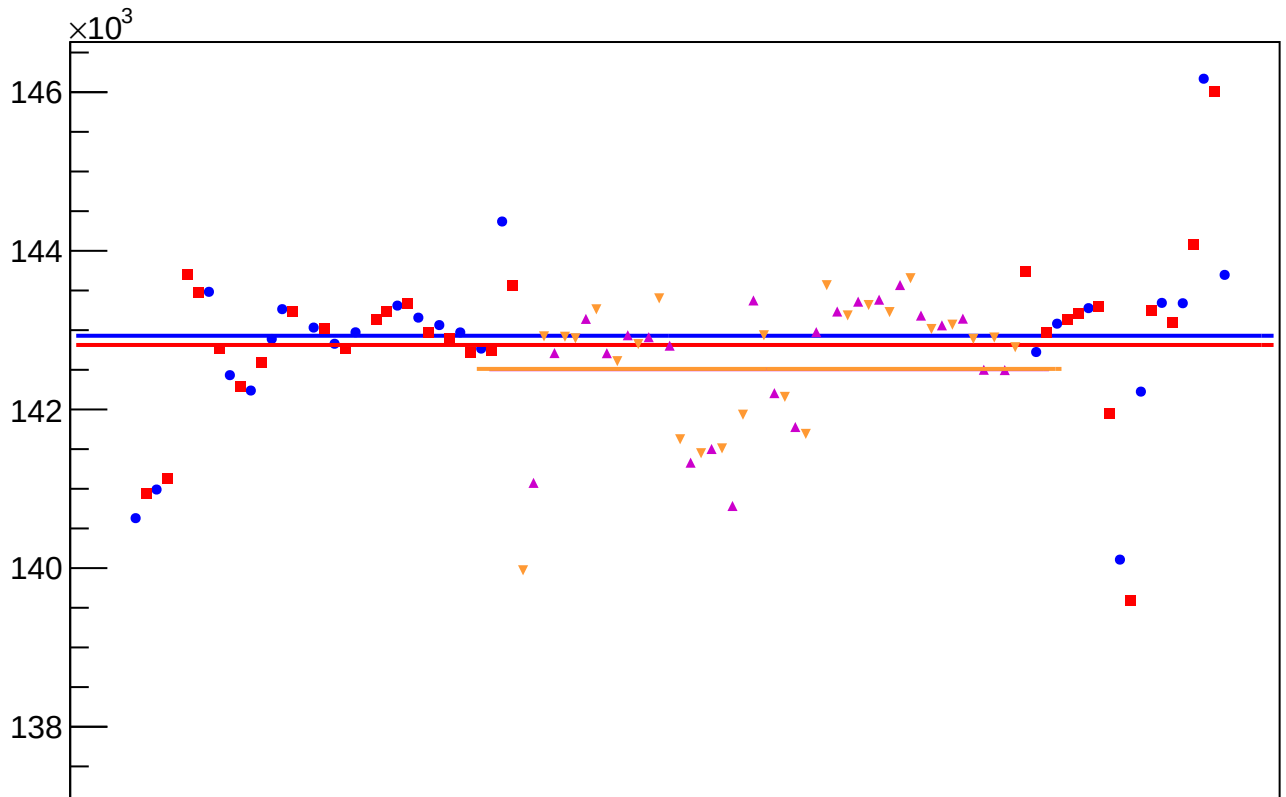
Right Out: 8.333+/-0.003 χ^2/NDF: 18429363.4/29

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 9.190+/-0.002 χ^2/NDF: 51602559.1/49

All: 9.249+/-0.002 χ^2/NDF: 103293725.1/102

- sign 9.314+/-0.003 χ^2/NDF: 51689966.0/52



Right In: 142929.304+/-0.061 χ^2/NDF: 239478096.6/24

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142813.135+/-0.056 χ^2/NDF: 201454113.7/29

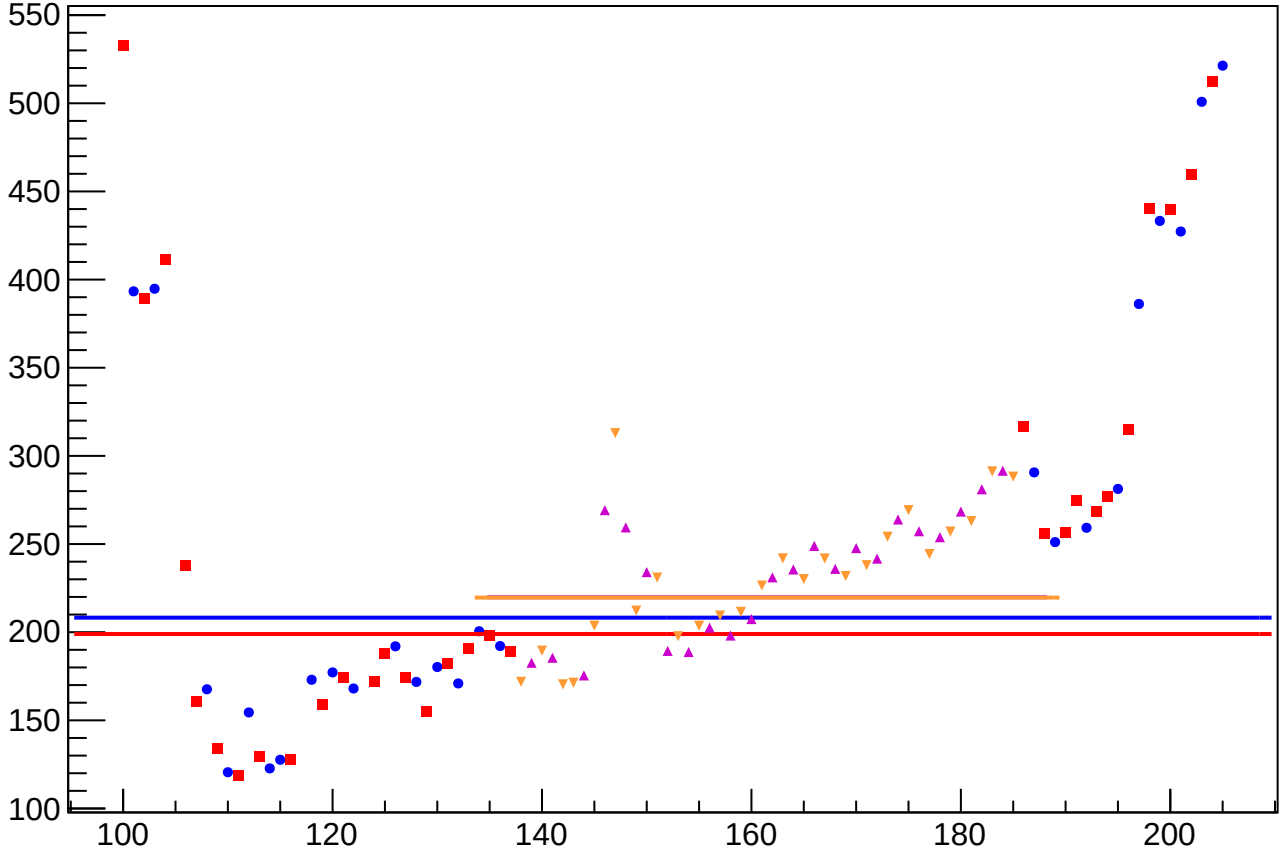
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142682.042+/-0.039 χ^2/NDF: 605094696.6/4

All: 142665.584+/-0.027 χ^2/NDF: 10919987

- sign 142649.828+/-0.038 χ^2/NDF: 486558178.6/5

yield_bpm0l10WS_rms vs Slug



Right In: 208.246+/-0.043 χ^2/NDF: 4240344.3/24

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

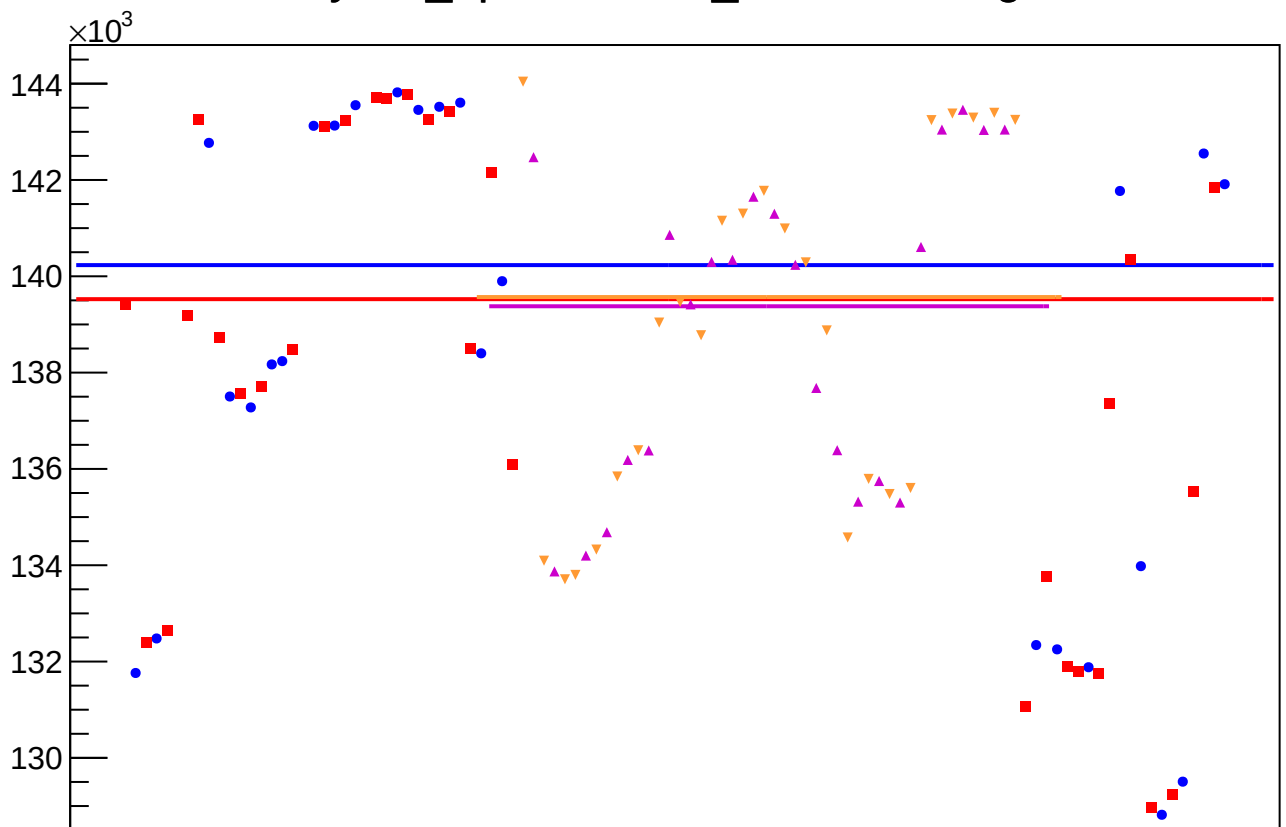
Right Out: 198.959+/-0.040 χ^2/NDF: 4874241.2/29

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 214.974+/-0.028 χ^2/NDF: 5183134.2/49

All: 212.486+/-0.019 χ^2/NDF: 11026160.4/10

- sign 210.104+/-0.027 χ^2/NDF: 5827216.6/52



Right In: 140232.135+/-0.087 χ^2/NDF: 2580694247.3/24

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139525.119+/-0.085 χ^2/NDF: 2727872086.4/29

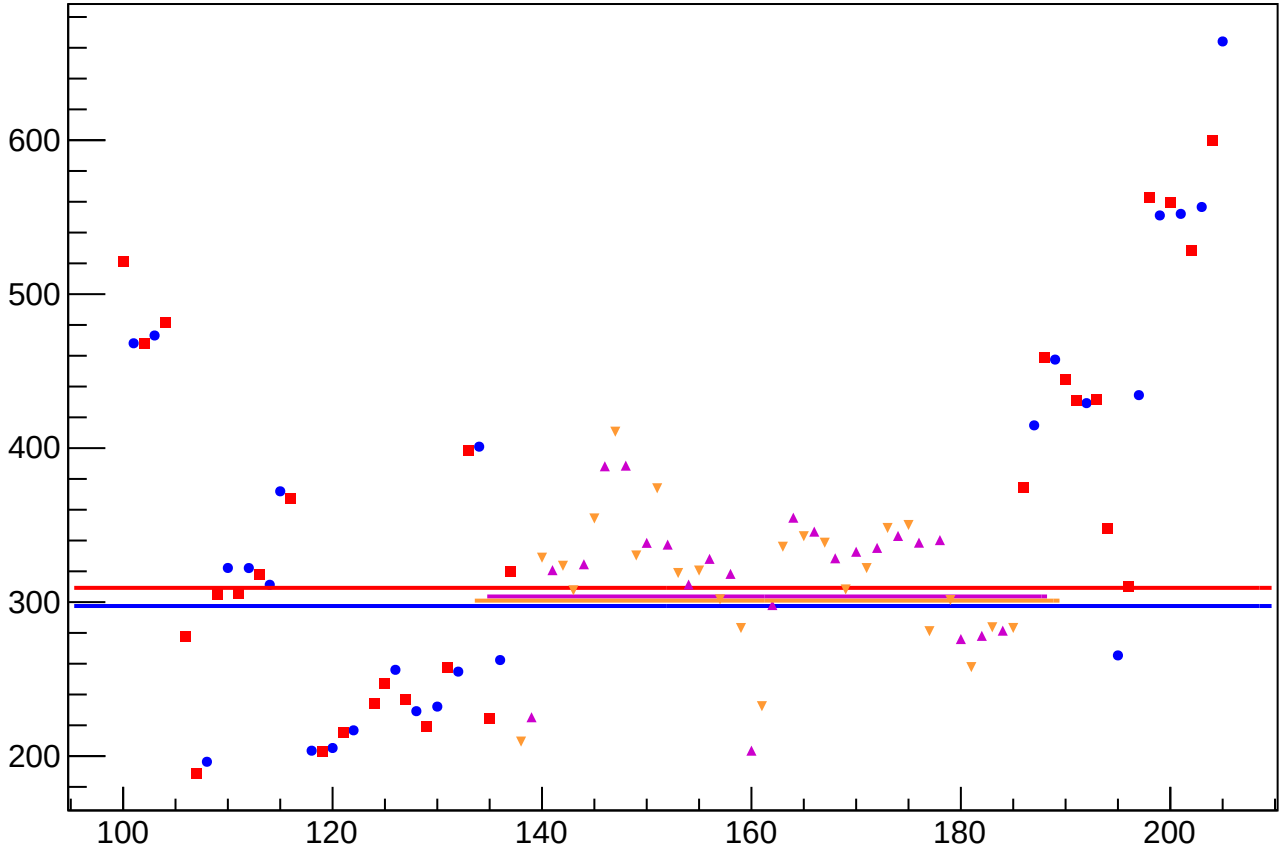
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139831.184+/-0.054 χ^2/NDF: 5202836414.2

All: 139638.998+/-0.039 χ^2/NDF: 98792373

- sign 139440.078+/-0.055 χ^2/NDF: 4651039506.5/

yield_bpm0r03WS_rms vs Slug



Right In: 297.469+/-0.061 χ^2/NDF: 3421753.9/24

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

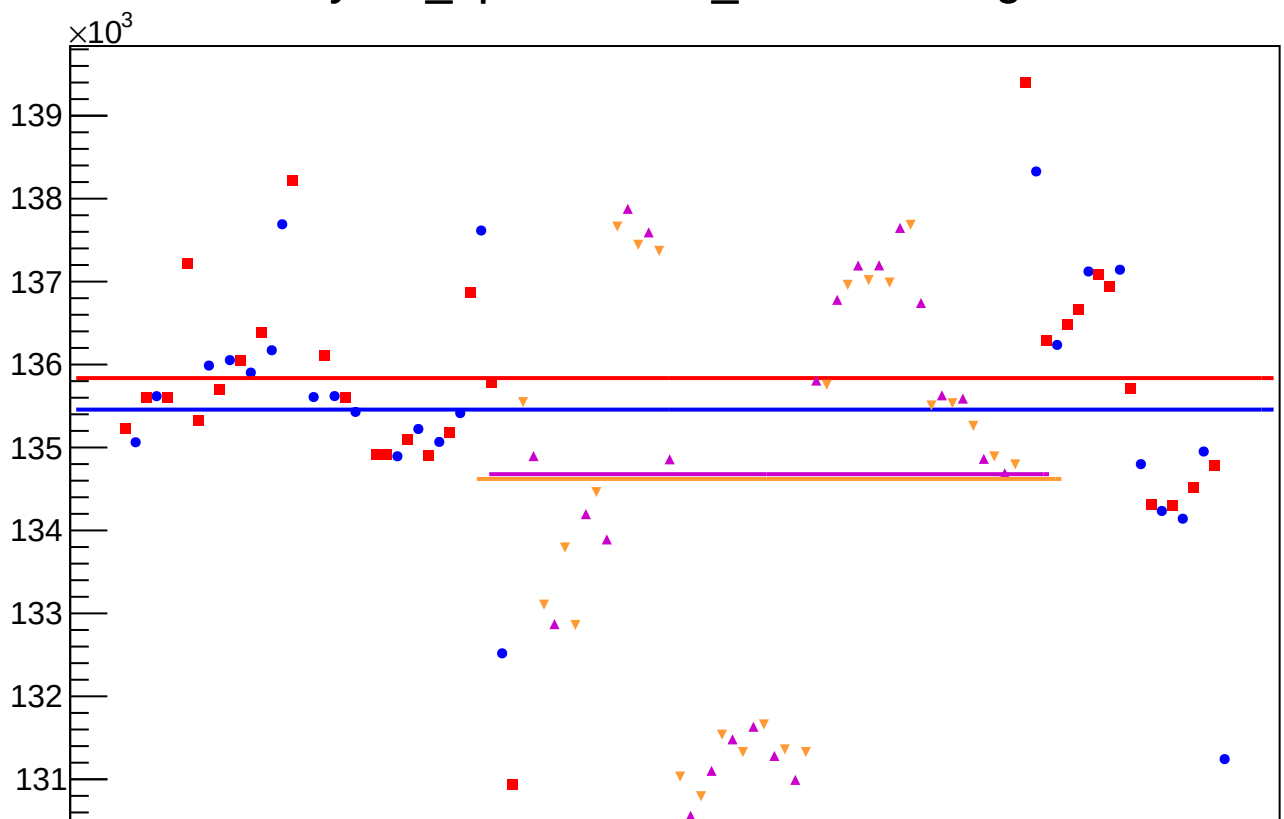
Right Out: 309.260+/-0.060 χ^2/NDF: 3327243.2/29

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 299.581+/-0.038 χ^2/NDF: 4300615.0/49

All: 302.751+/-0.027 χ^2/NDF: 8622902.1/102

- sign 306.031+/-0.039 χ^2/NDF: 4308491.6/52



Right In: 135456.970+/-0.082 χ^2/NDF: 283910404.0/24

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135836.790+/-0.074 χ^2/NDF: 256953050.7/29

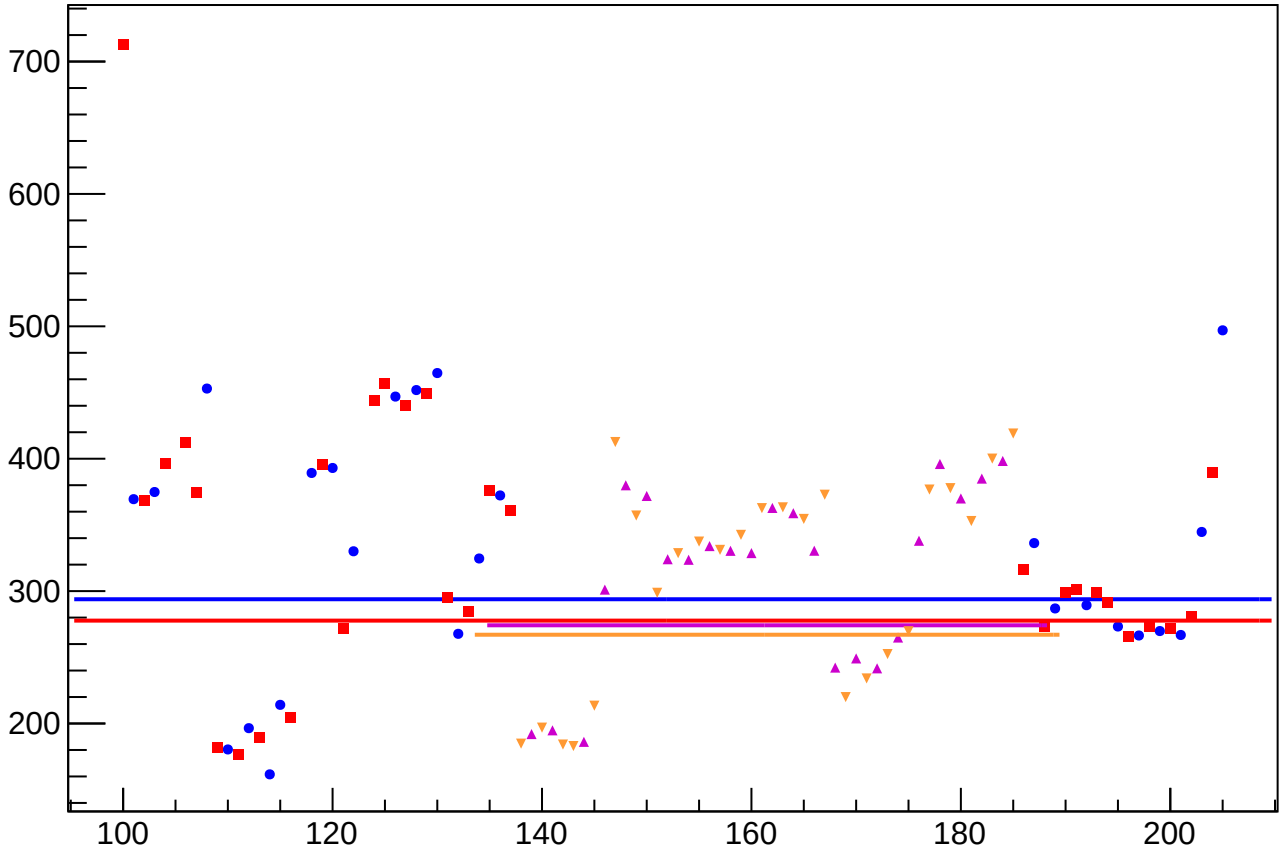
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134935.346+/-0.050 χ^2/NDF: 1550095833.8

All: 135068.492+/-0.035 χ^2/NDF: 30516388

- sign 135198.113+/-0.050 χ^2/NDF: 1487740003.4/

yield_bpm0r05WS_rms vs Slug



Right In: 293.855+/-0.058 χ^2/NDF: 1834349.9/24

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

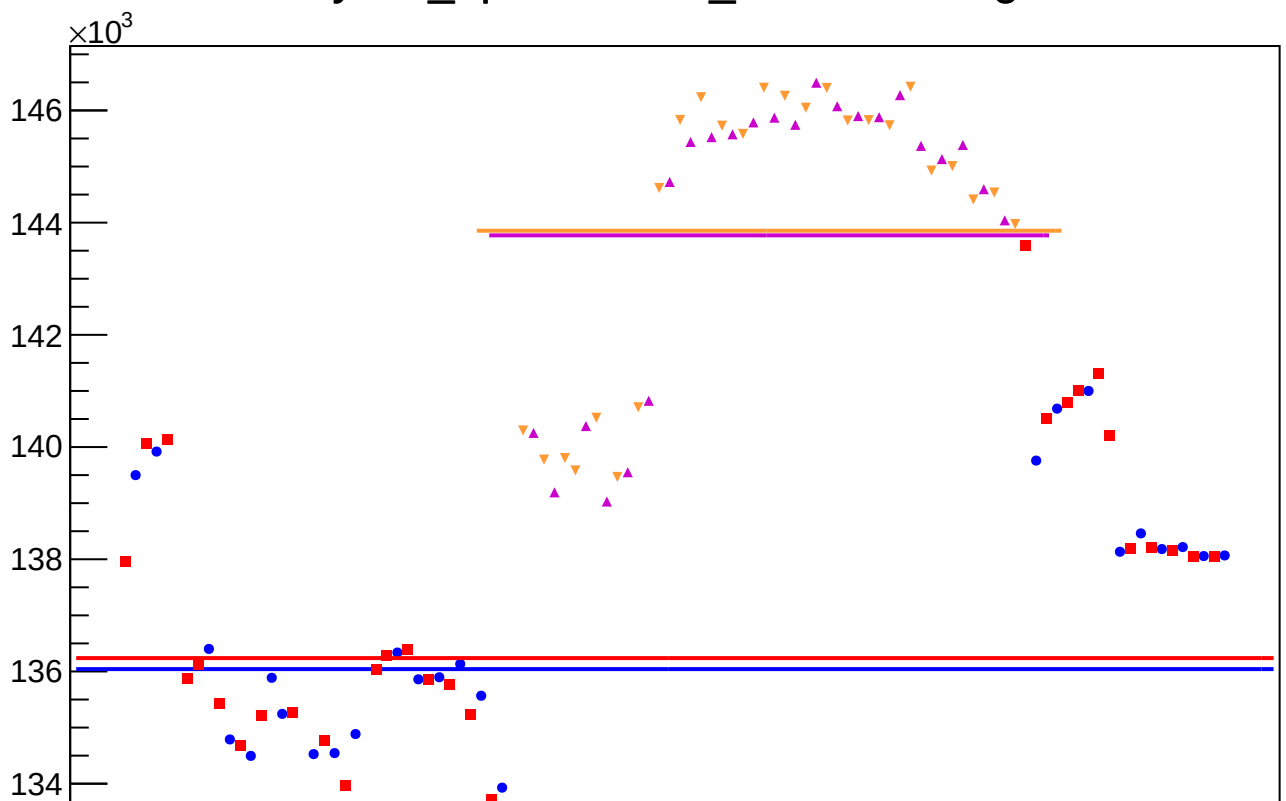
Right Out: 277.715+/-0.052 χ^2/NDF: 1871077.0/29

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 277.132+/-0.036 χ^2/NDF: 4810649.6/49

All: 276.439+/-0.025 χ^2/NDF: 8921738.9/102

- sign 275.764+/-0.035 χ^2/NDF: 4110341.9/52



Right In: 136042.119+/-0.048 χ^2/NDF: 1468046598.5/24

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136238.422+/-0.046 χ^2/NDF: 2135769524.0/29

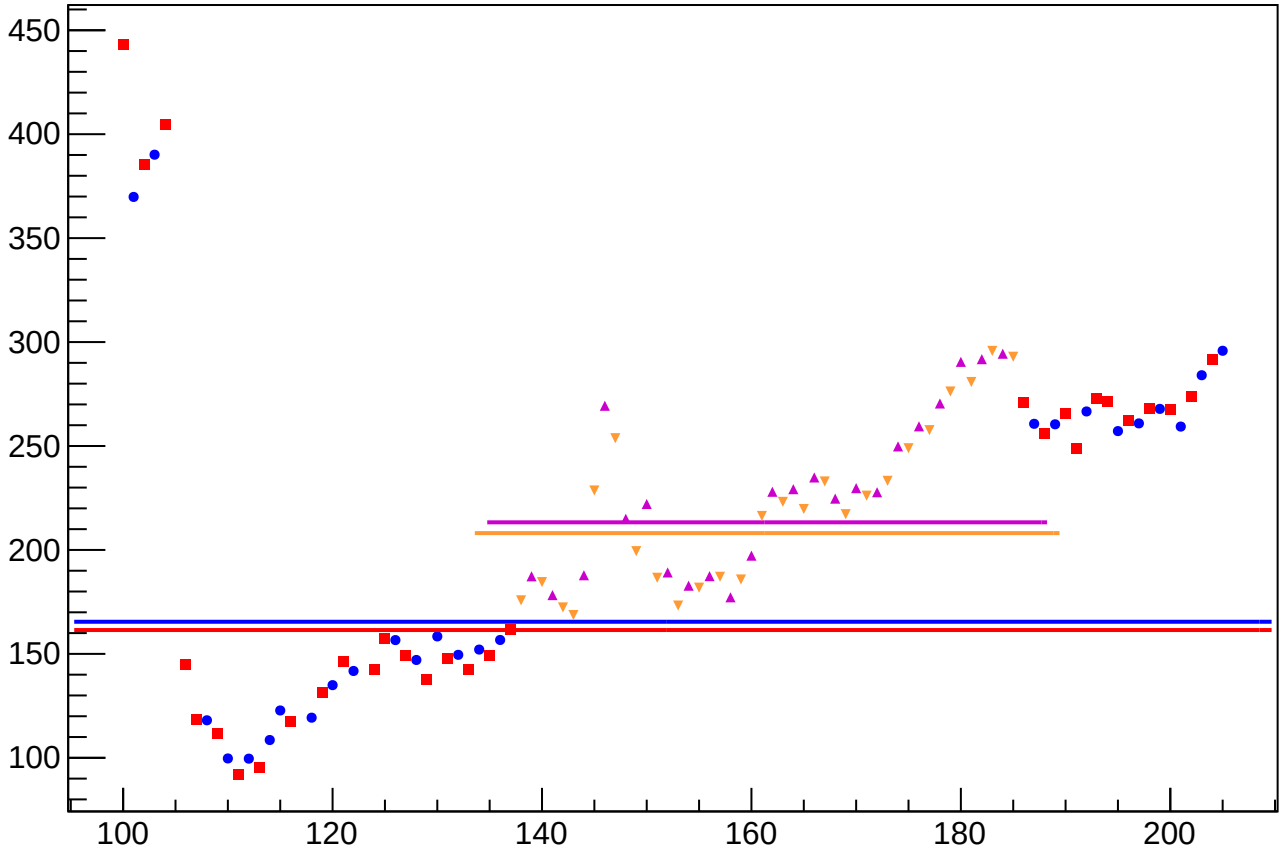
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139945.750+/-0.034 χ^2/NDF: 17676310703.

All: 139764.995+/-0.024 χ^2/NDF: 34836740

- sign 139586.553+/-0.034 χ^2/NDF: 17104800157.

yield_bpm0i02WS_rms vs Slug



Right In: 165.456+/-0.034 χ^2/NDF: 3982568.0/24

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

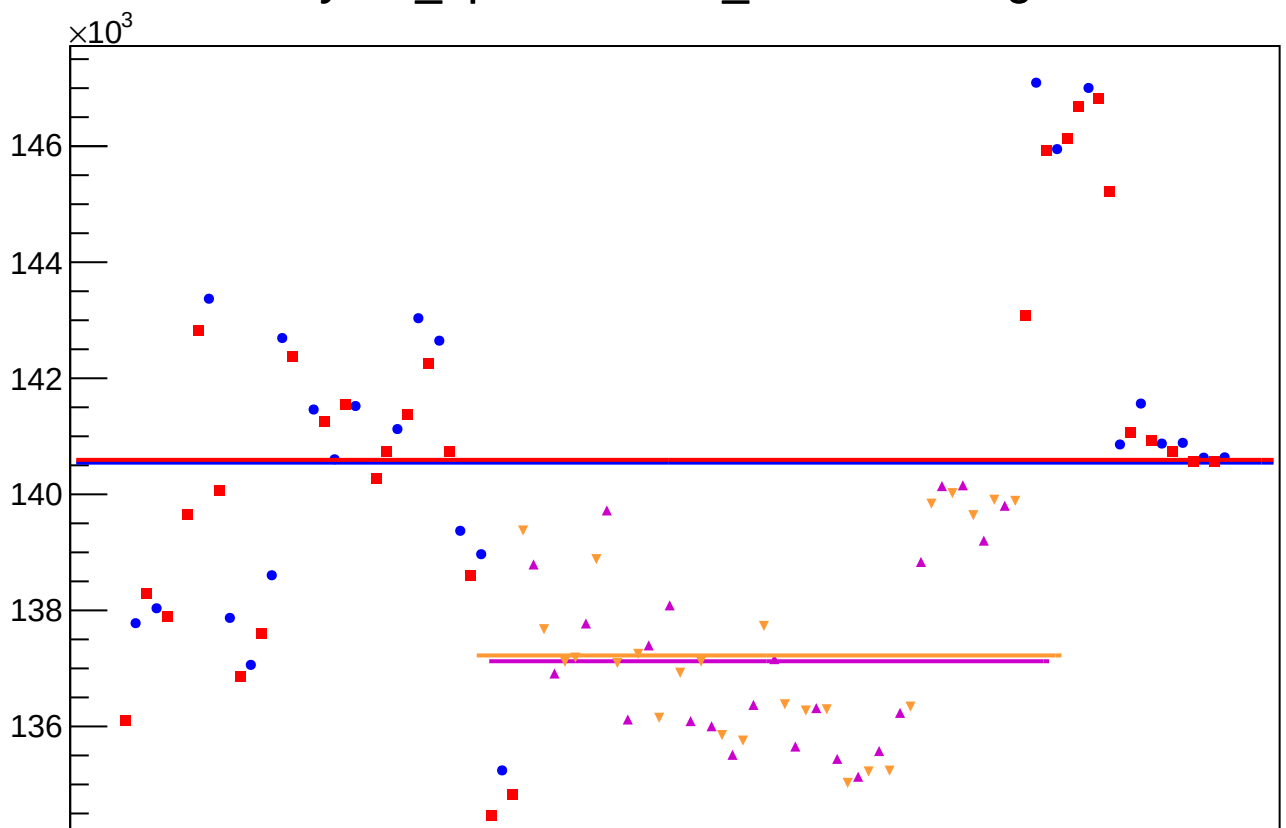
Right Out: 161.471+/-0.032 χ^2/NDF: 4775965.8/29

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 186.760+/-0.024 χ^2/NDF: 5754652.6/49

All: 185.621+/-0.017 χ^2/NDF: 12551280.4/10

- sign 184.497+/-0.024 χ^2/NDF: 6792209.0/52



Right In: 140546.439+/-0.054 χ^2/NDF: 2807530731.3/24

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.251+/-0.051 χ^2/NDF: 3239185758.8/29

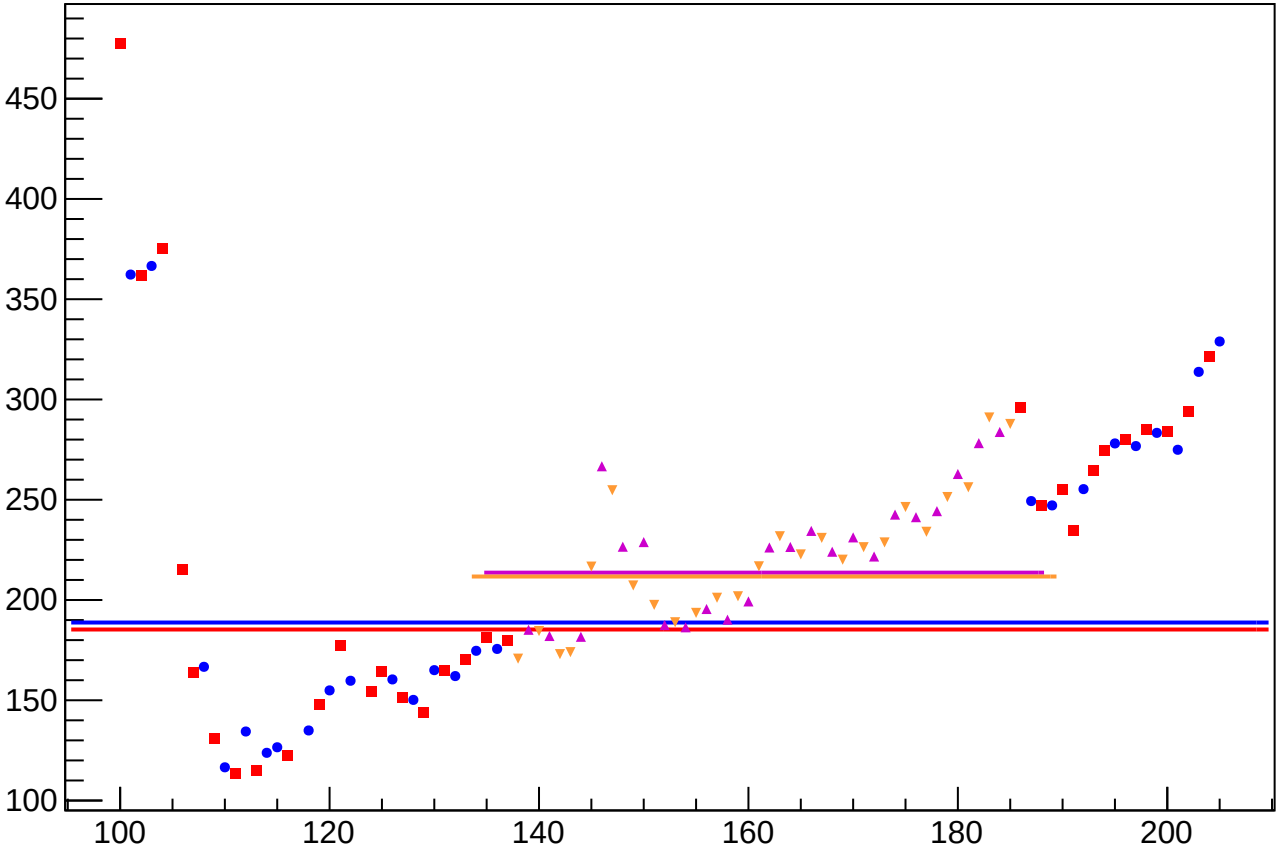
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138724.477+/-0.036 χ^2/NDF: 5775135310.9

All: 138788.588+/-0.026 χ^2/NDF: 12195725

- sign 138851.823+/-0.036 χ^2/NDF: 6414400863.9/

yield_bpm0i02aWS_rms vs Slug



Right In: 188.770+/-0.038 χ^2/NDF: 3008487.0/24

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

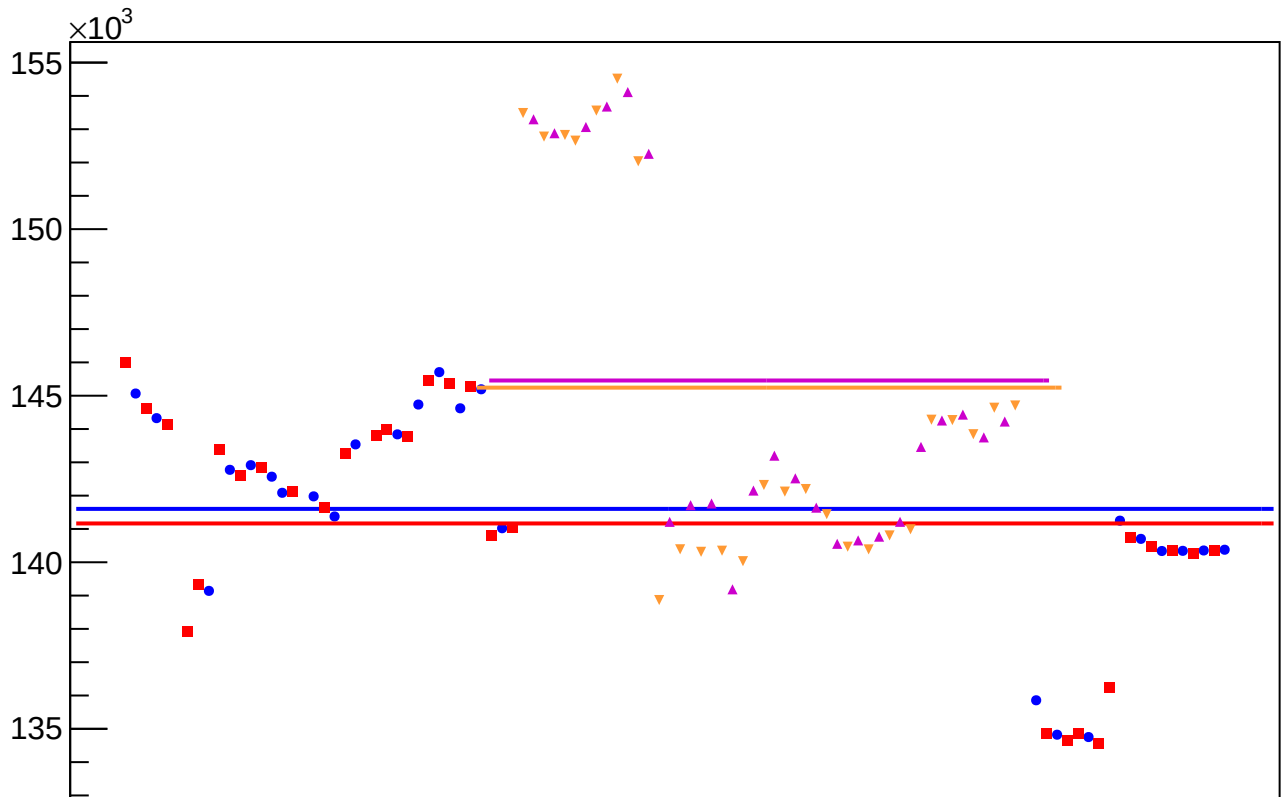
Right Out: 185.290+/-0.036 χ^2/NDF: 3628107.3/29

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 201.351+/-0.026 χ^2/NDF: 3881746.5/49

All: 200.431+/-0.018 χ^2/NDF: 8442631.5/102

- sign 199.523+/-0.026 χ^2/NDF: 4558334.7/52



Right In: 141602.473+/-0.055 χ^2/NDF: 2763436617.2/24

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141165.048+/-0.051 χ^2/NDF: 4395319887.1/29

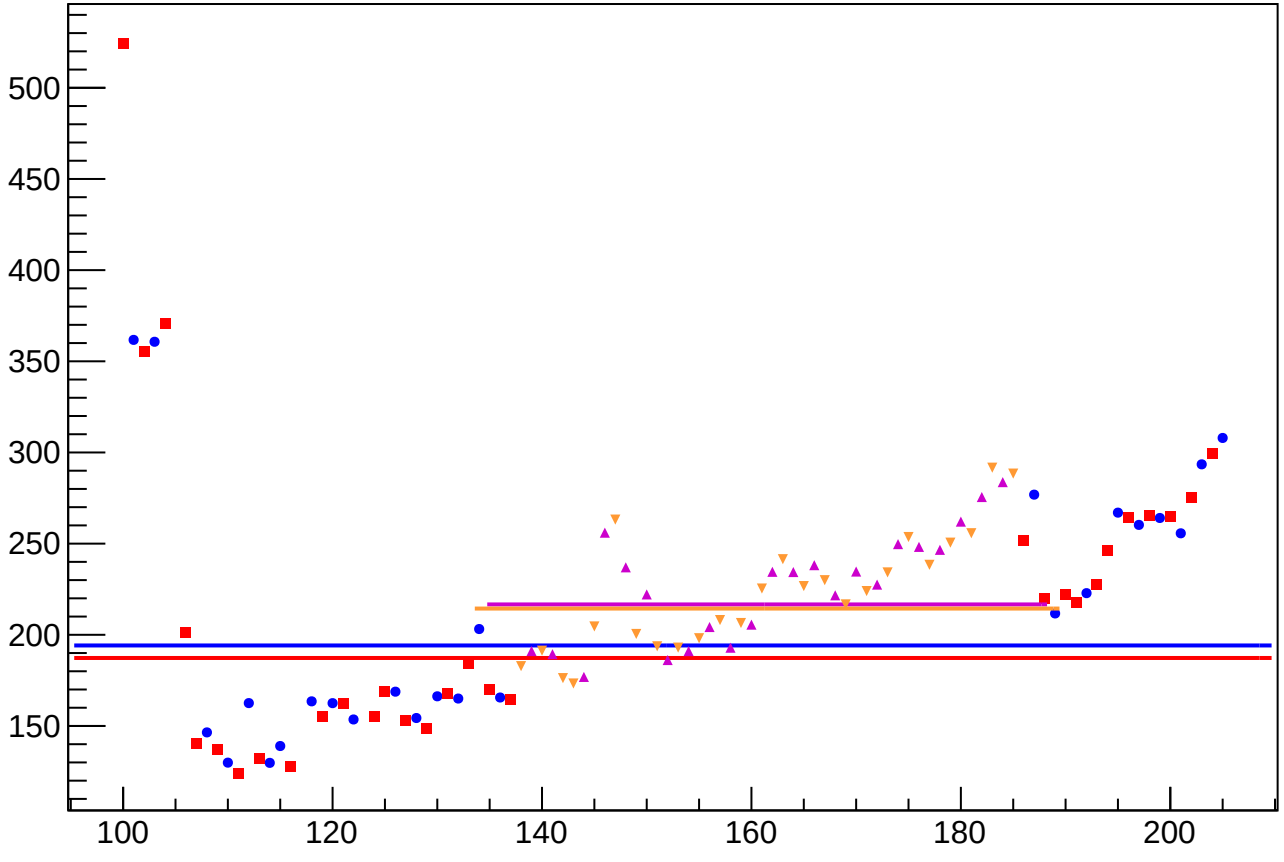
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143598.671+/-0.037 χ^2/NDF: 18226215266.

All: 143434.474+/-0.026 χ^2/NDF: 37252625

- sign 143275.401+/-0.036 χ^2/NDF: 18987101923.

yield_bpm0i05WS_rms vs Slug



Right In: 194.152+/-0.039 χ^2/NDF: 2179764.5/24

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

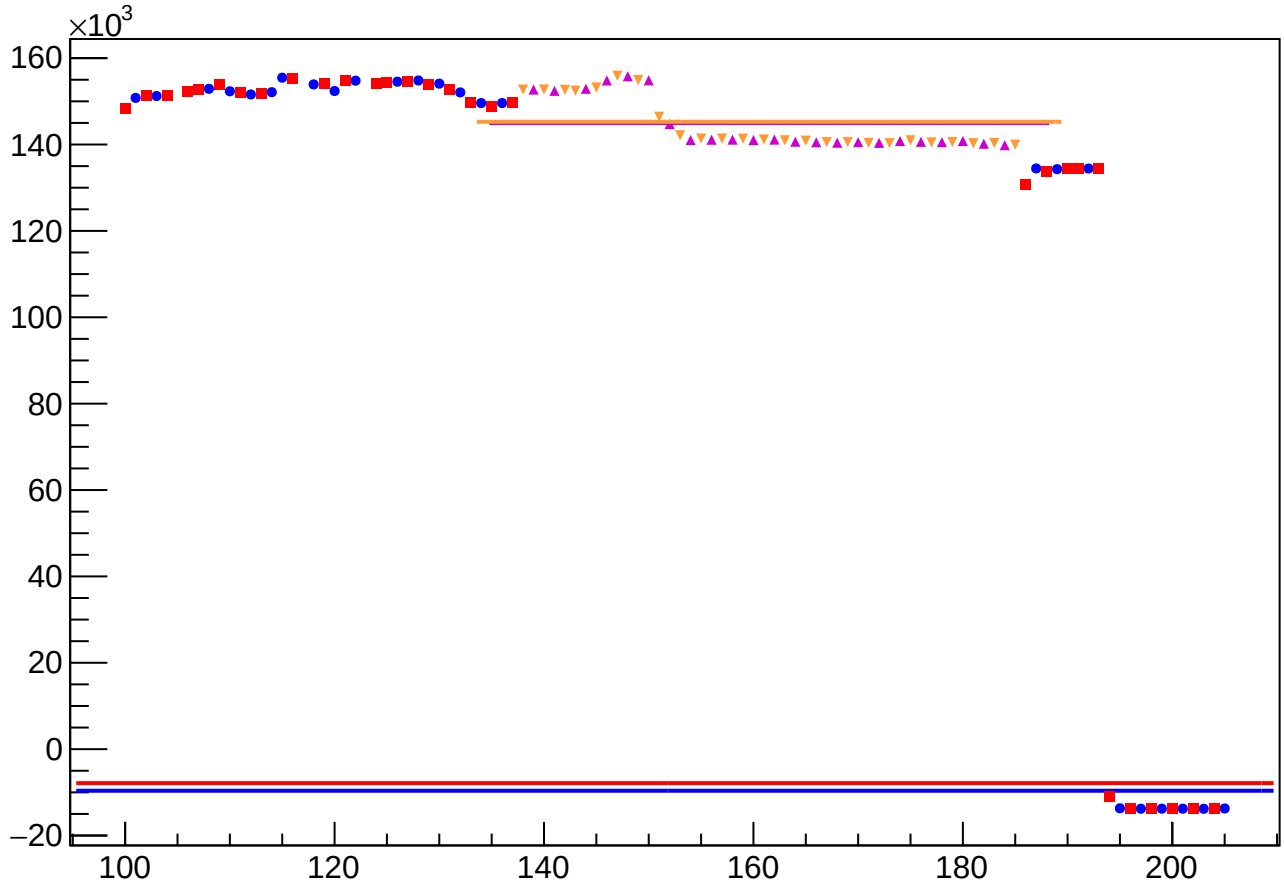
Right Out: 187.289+/-0.036 χ^2/NDF: 2605613.2/29

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

\+ sign 205.252+/-0.026 χ^2/NDF: 2973400.6/49

All: 203.462+/-0.018 χ^2/NDF: 6505005.5/102

\- sign 201.729+/-0.026 χ^2/NDF: 3522268.6/52



Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

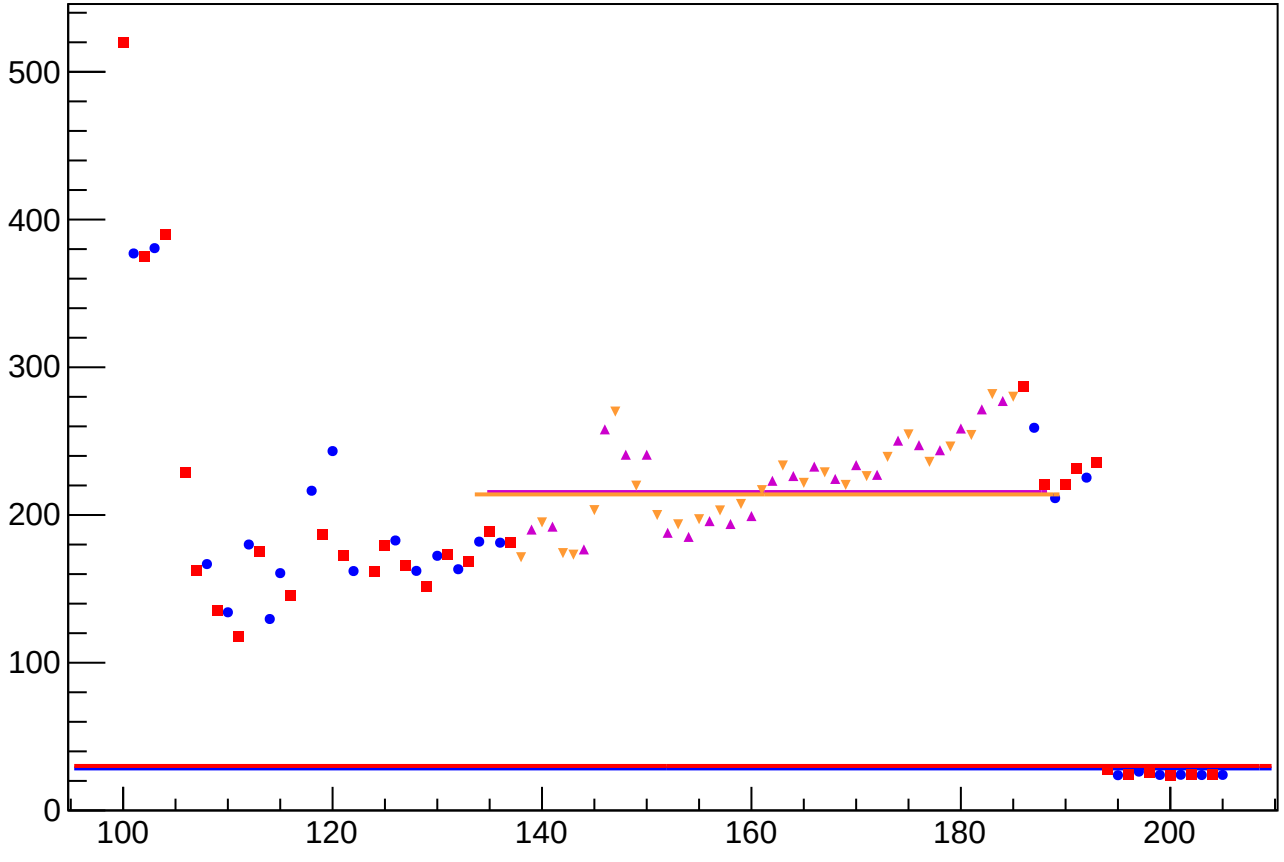
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -2761.752+/-0.010 χ^2/NDF: 1524732373948

All: -1847.038+/-0.008 χ^2/NDF: 3082973374

- sign -825.714+/-0.011 χ^2/NDF: 15566037998189.

yield_bpm0i07WS_rms vs Slug



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

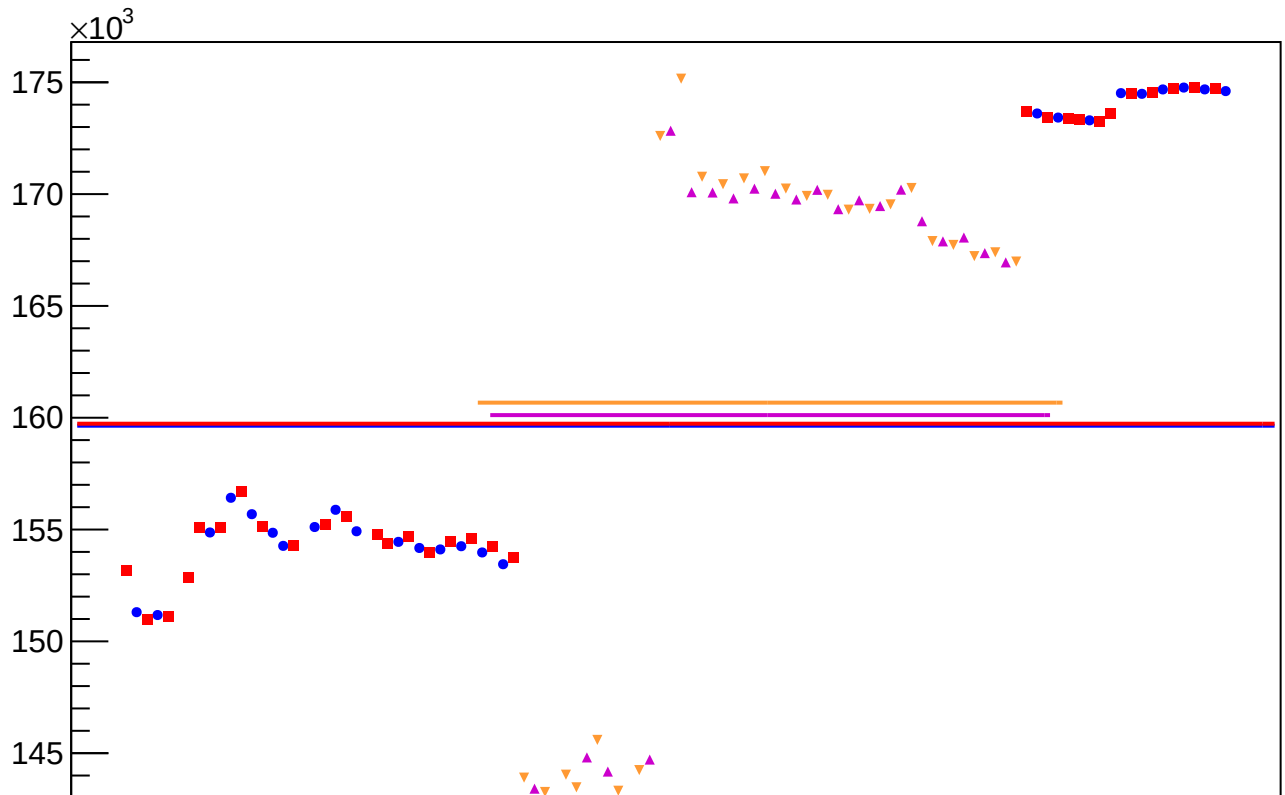
Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 36.683+/-0.007 χ^2/NDF: 40198302.1/49

All: 37.620+/-0.005 χ^2/NDF: 80085183.3/102

- sign 38.666+/-0.008 χ^2/NDF: 39852527.1/52



Right In: 159644.340+/-0.056 χ^2/NDF: 22887231874.7/24

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159732.527+/-0.053 χ^2/NDF: 25830448212.2/29

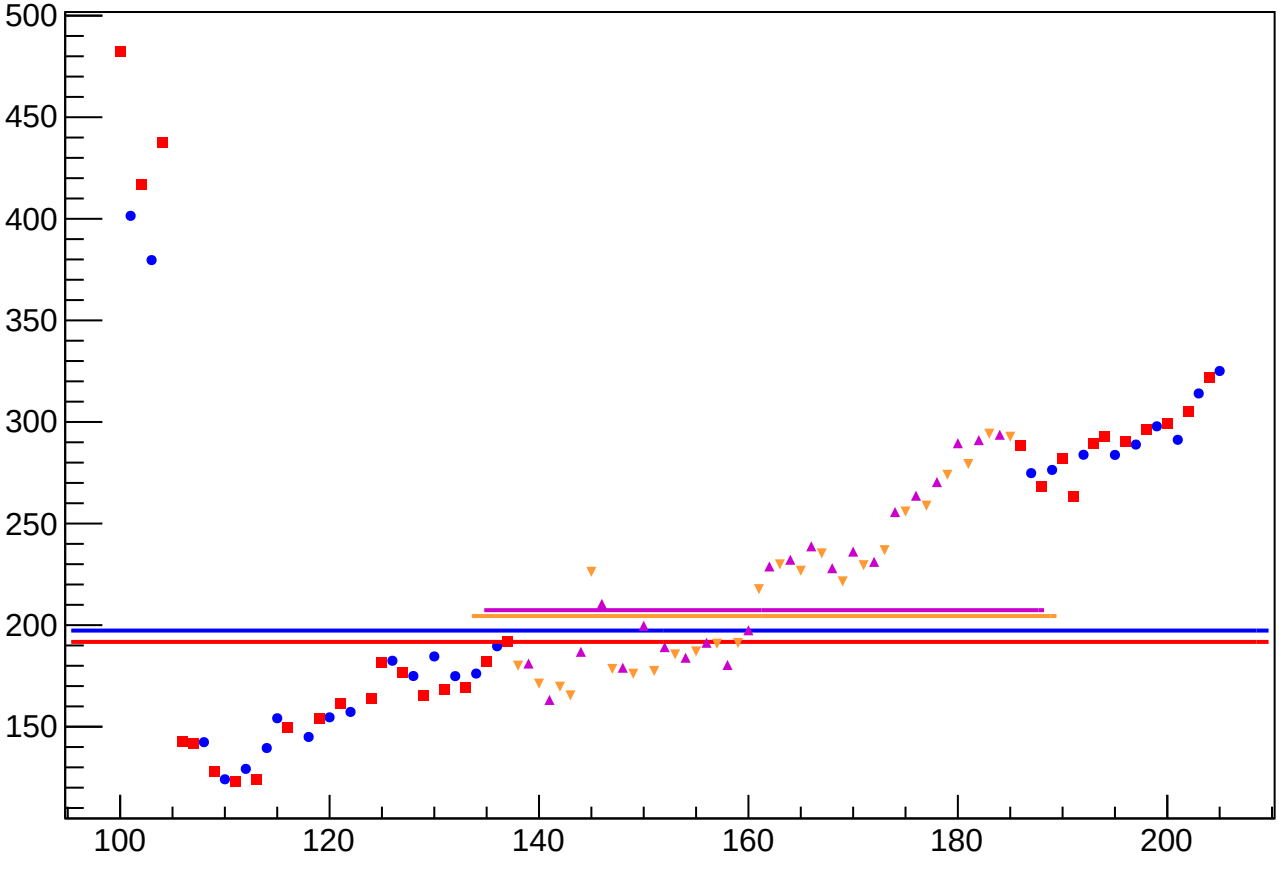
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160248.480+/-0.036 χ^2/NDF: 97237975398.

All: 160091.762+/-0.026 χ^2/NDF: 18968707

- sign 159937.279+/-0.036 χ^2/NDF: 92412063312.2

yield_bpm1i02WS_rms vs Slug



Right In: 197.323+/-0.040 χ^2/NDF: 3075852.5/24

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

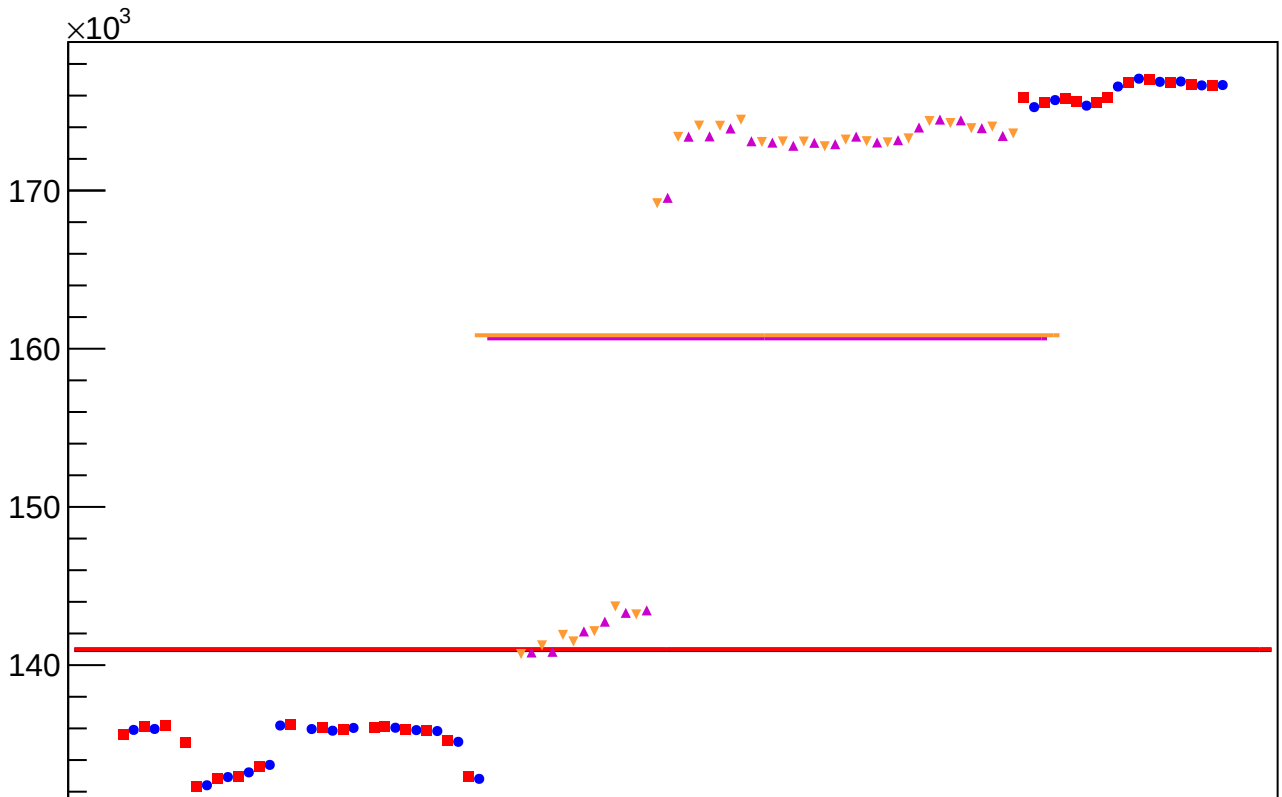
Right Out: 191.749+/-0.037 χ^2/NDF: 3782089.5/29

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 201.517+/-0.026 χ^2/NDF: 4167901.0/49

All: 200.782+/-0.018 χ^2/NDF: 9001857.4/102

- sign 200.057+/-0.025 χ^2/NDF: 4832326.9/52



Right In: 140951.386+/-0.047 χ^2/NDF: 110142732867.9/24

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141013.999+/-0.044 χ^2/NDF: 125916725390.9/29

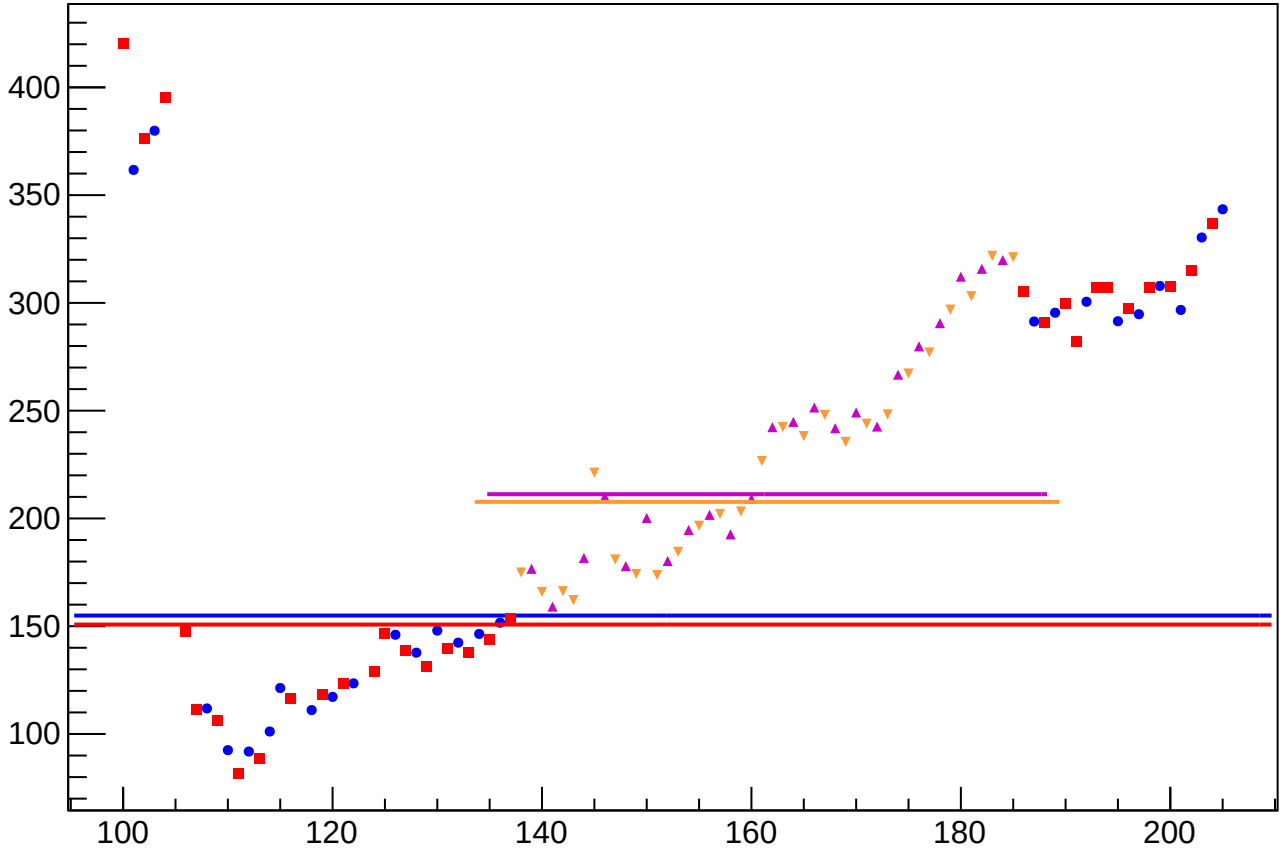
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 150524.565+/-0.034 χ^2/NDF: 29696109456

All: 149980.913+/-0.024 χ^2/NDF: 5994615

- sign 149450.832+/-0.033 χ^2/NDF: 301983088321

yield_bpm1i04WS_rms vs Slug



Right In: 154.945+/-0.033 χ^2/NDF: 5462330.6/24

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

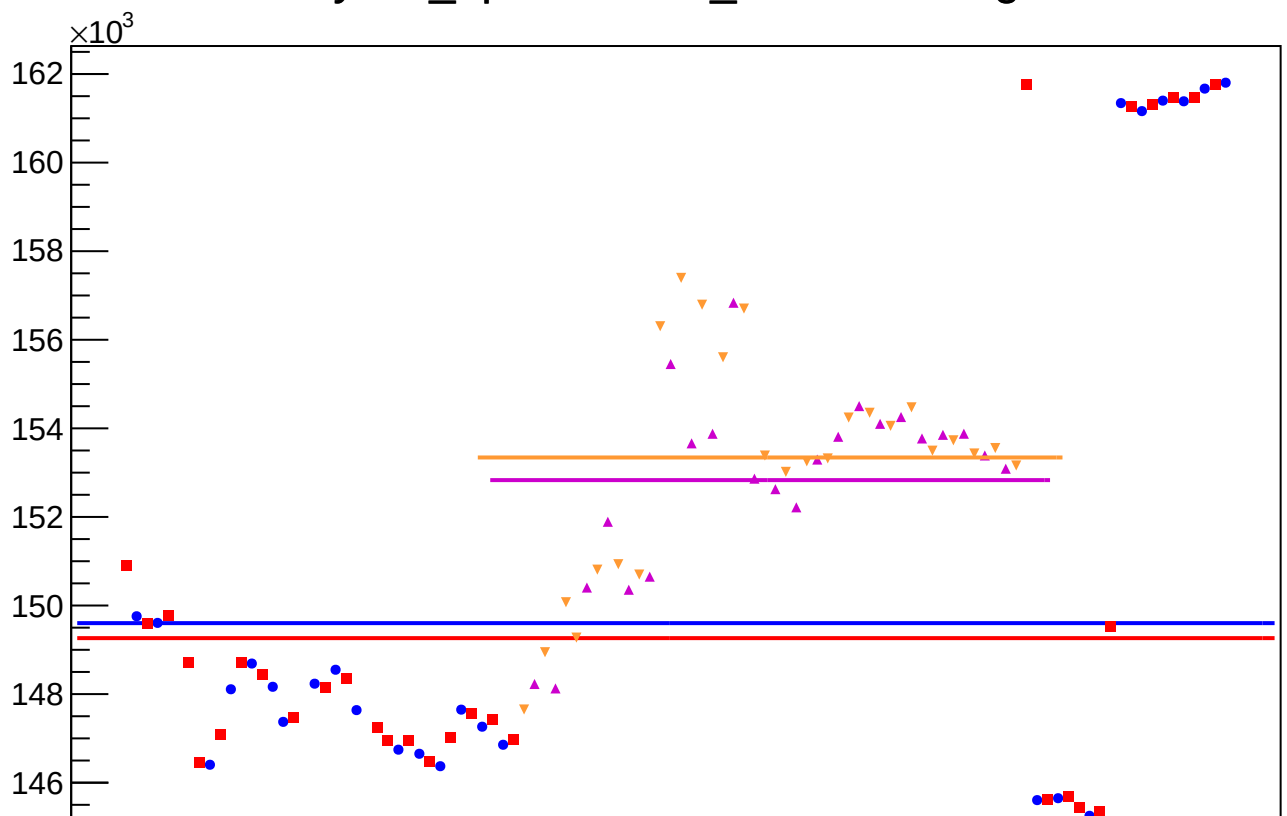
Right Out: 150.765+/-0.031 χ^2/NDF: 6499503.1/29

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 180.319+/-0.024 χ^2/NDF: 8194060.0/49

All: 178.512+/-0.017 χ^2/NDF: 17640672.2/10

- sign 176.750+/-0.023 χ^2/NDF: 9435178.7/52



Right In: 149602.315+/-0.055 χ^2/NDF: 8921065352.7/24

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149263.647+/-0.051 χ^2/NDF: 8262921344.0/29

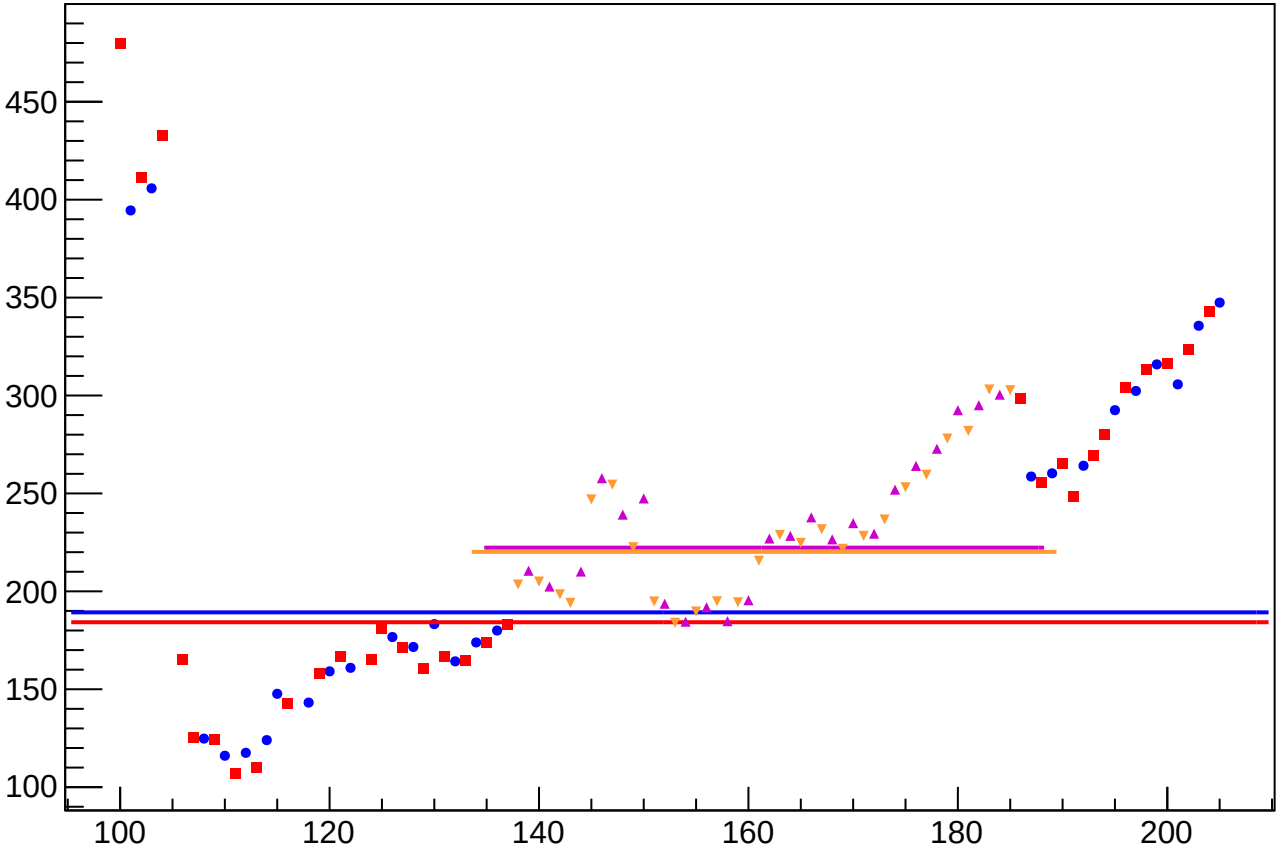
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151615.160+/-0.037 χ^2/NDF: 14403140575.

All: 151301.970+/-0.026 χ^2/NDF: 27068044

- sign 150996.607+/-0.037 χ^2/NDF: 12525416375.5

yield_bpm1i06WS_rms vs Slug



Right In: 189.266+/-0.039 χ^2/NDF: 3728531.4/24

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

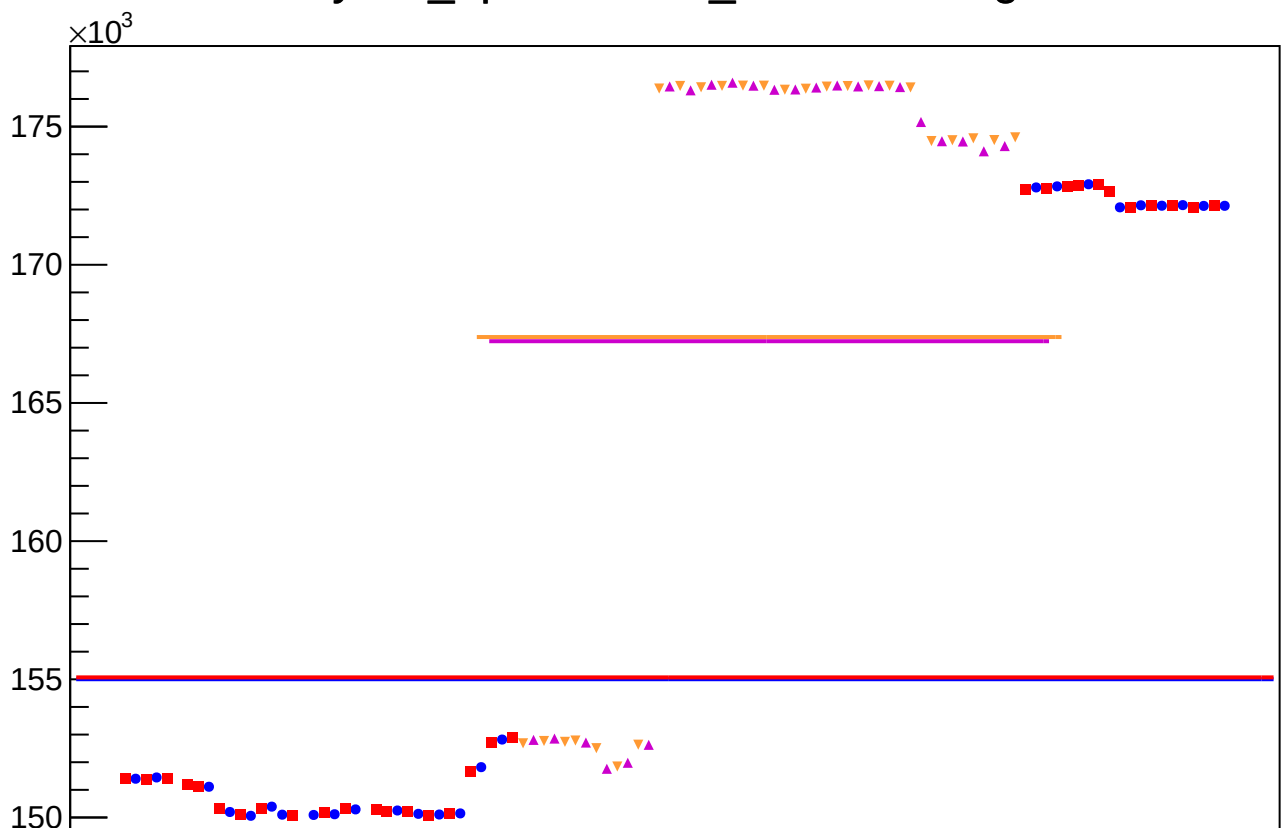
Right Out: 184.224+/-0.036 χ^2/NDF: 4394595.6/29

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 205.890+/-0.026 χ^2/NDF: 4755636.2/49

All: 204.285+/-0.019 χ^2/NDF: 10390151.3/10

- sign 202.721+/-0.026 χ^2/NDF: 5627192.3/52



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

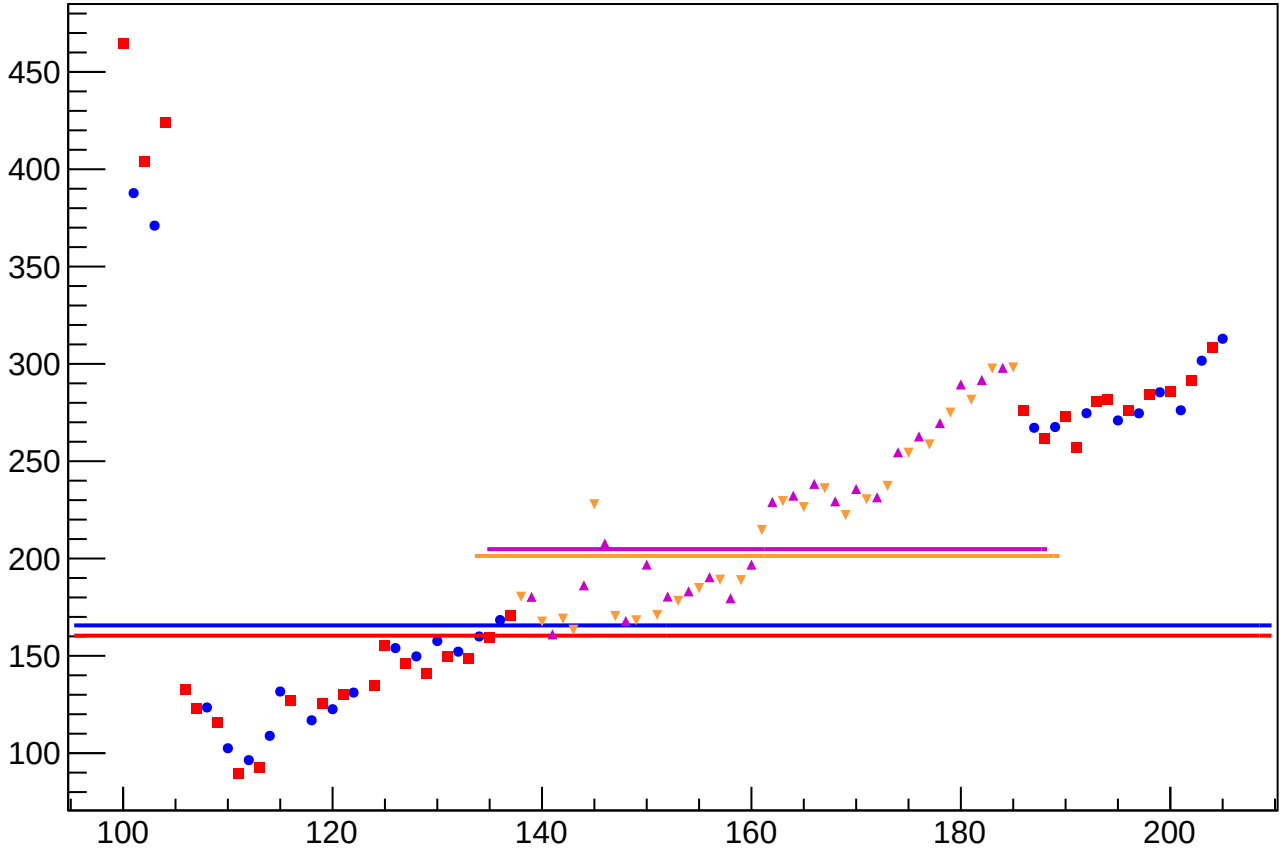
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161453.267+/-0.034 χ^2/NDF: 12584061234

All: 161075.685+/-0.024 χ^2/NDF: 25257738

- sign 160708.256+/-0.033 χ^2/NDF: 126489500999

yield_bpm2i01WS_rms vs Slug



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

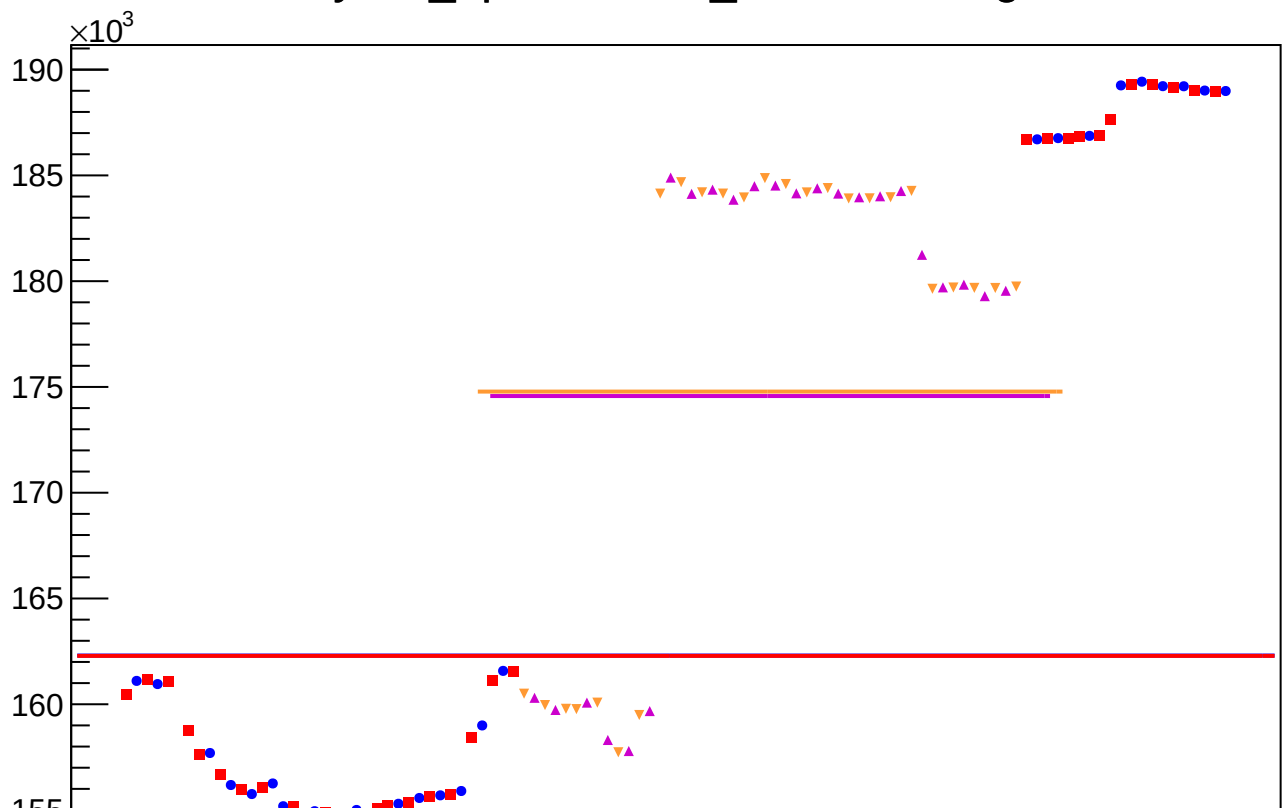
Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 184.232+/-0.024 χ^2/NDF: 6152814.1/49

All: 182.584+/-0.017 χ^2/NDF: 13395494.4/10

- sign 180.980+/-0.024 χ^2/NDF: 7233255.2/52



Right In: 162302.497+/-0.051 χ^2/NDF: 59266675517.9/24

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162286.829+/-0.048 χ^2/NDF: 66508917144.5/29

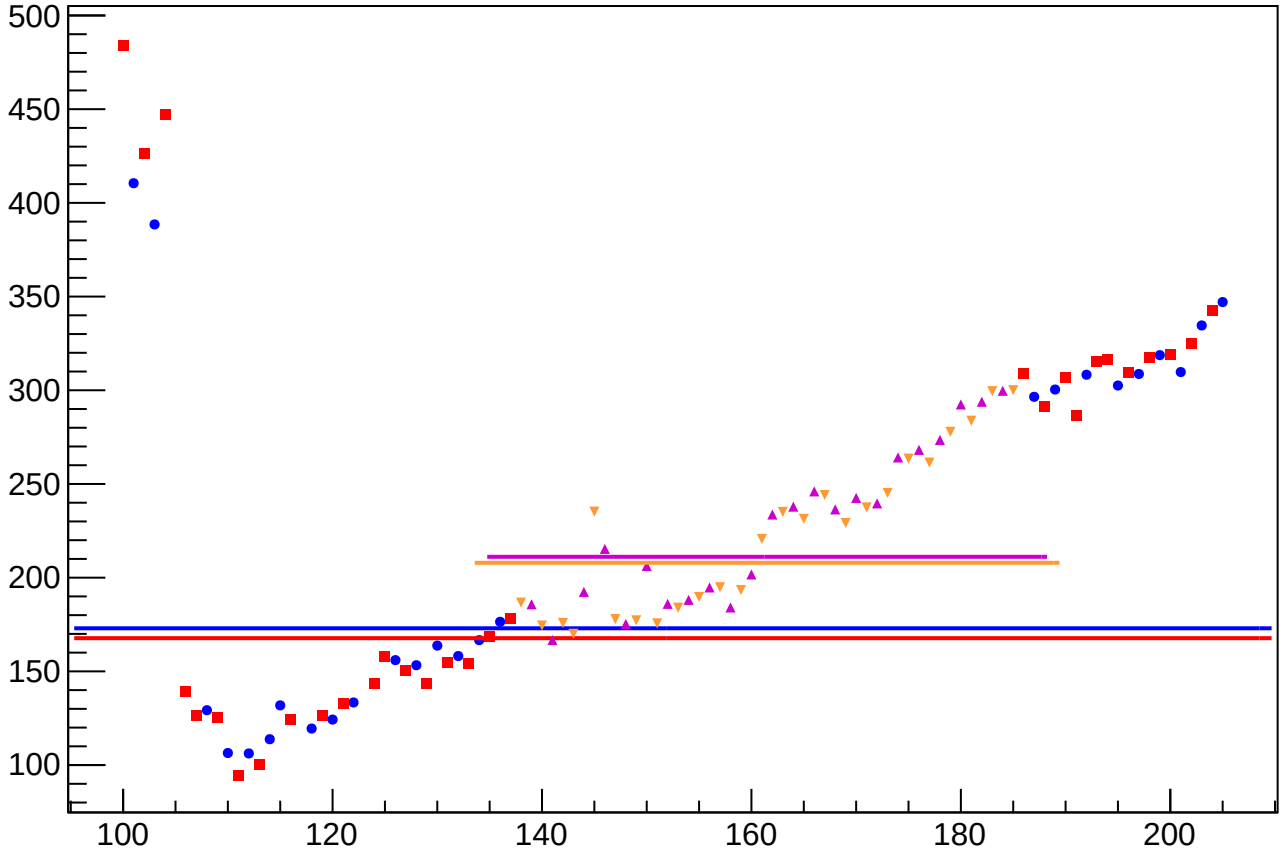
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168941.334+/-0.035 χ^2/NDF: 14875485370

All: 168533.237+/-0.025 χ^2/NDF: 3014845

- sign 168135.057+/-0.035 χ^2/NDF: 15246358573

yield_bpm2i02WS_rms vs Slug



Right In: 172.987+/-0.036 χ^2/NDF: 4813105.5/24

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 167.713+/-0.034 χ^2/NDF: 5792808.0/29

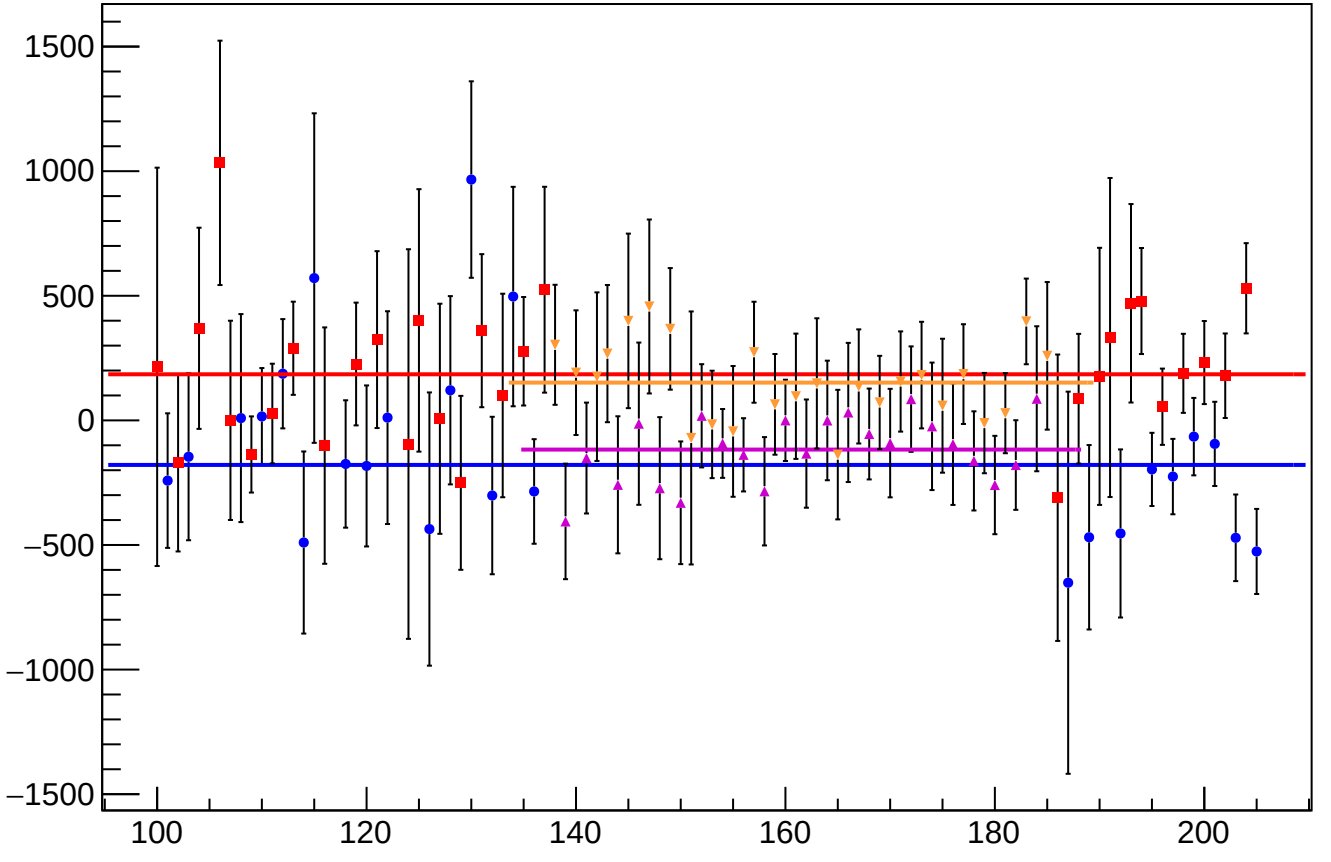
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 191.583+/-0.025 χ^2/NDF: 6437270.4/49

All: 189.965+/-0.017 χ^2/NDF: 14011828.6/10

- sign 188.386+/-0.025 χ^2/NDF: 7566189.7/52

asym_bcm_target_mean vs Slug



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 184.940+/-47.183 χ^2/NDF: 21.4/29

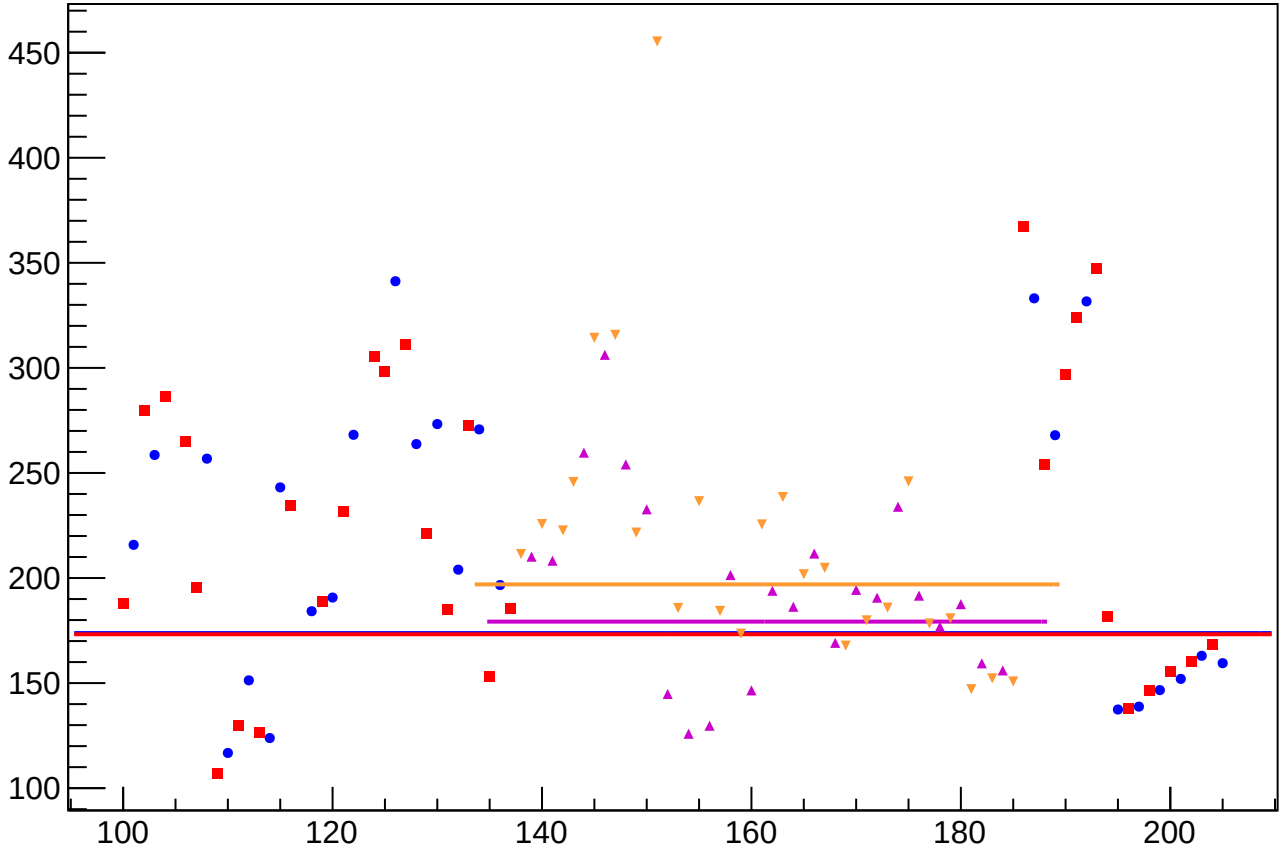
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -5.744+/-33.592 χ^2/NDF: 61.6/49

All: 9.072+/-23.205 χ^2/NDF: 112.8/102

\- sign 22.595+/-32.092 χ^2/NDF: 50.9/52

asym_bcm_target_rms vs Slug



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

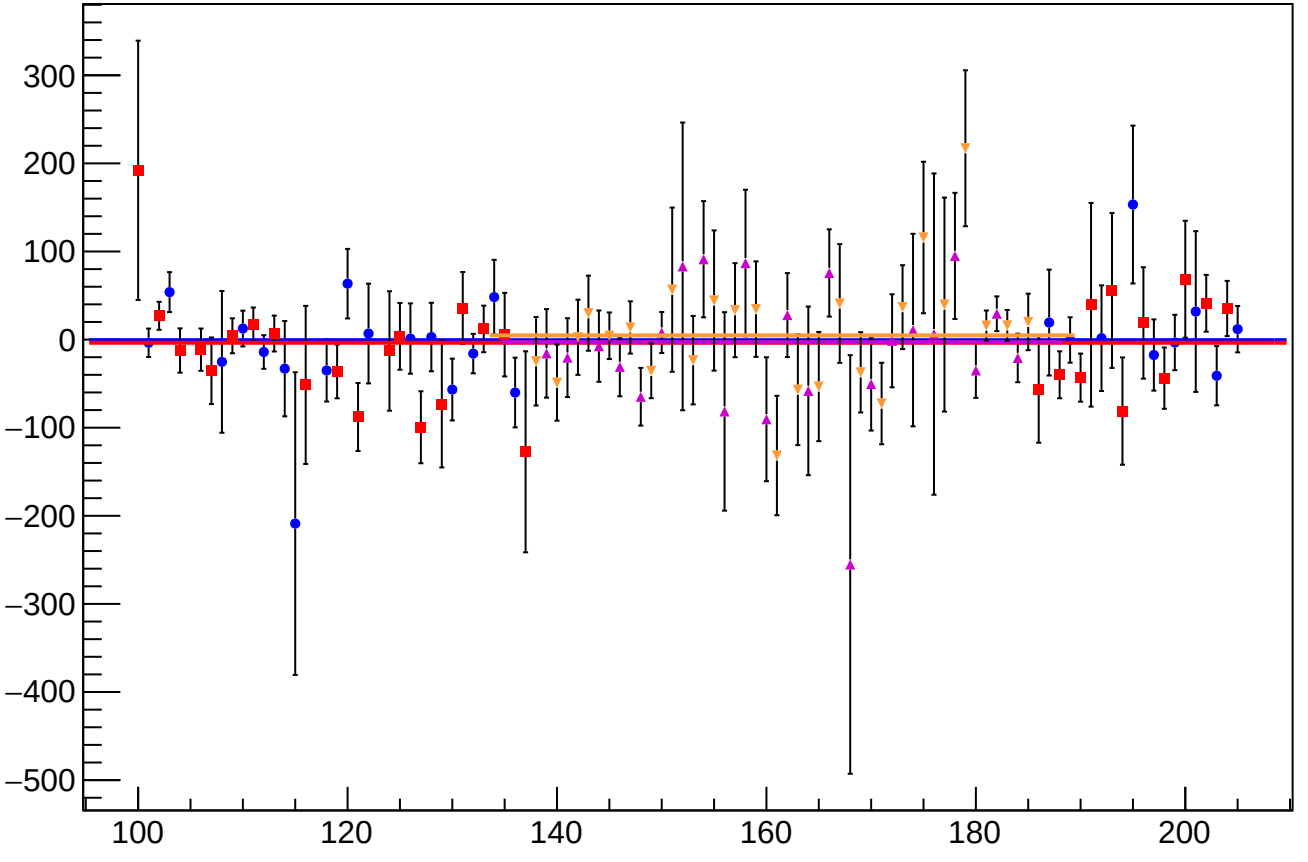
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 185.932+/-0.024 χ^2/NDF: 4227652.3/49

All: 180.986+/-0.016 χ^2/NDF: 8846652.7/102

- sign 176.472+/-0.023 χ^2/NDF: 4536078.7/52

asym_bcm_an_diff_mean vs Slug



Right In: -0.677+/-6.348 χ^2/NDF: 23.9/24

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -3.574+/-5.911 χ^2/NDF: 36.3/29

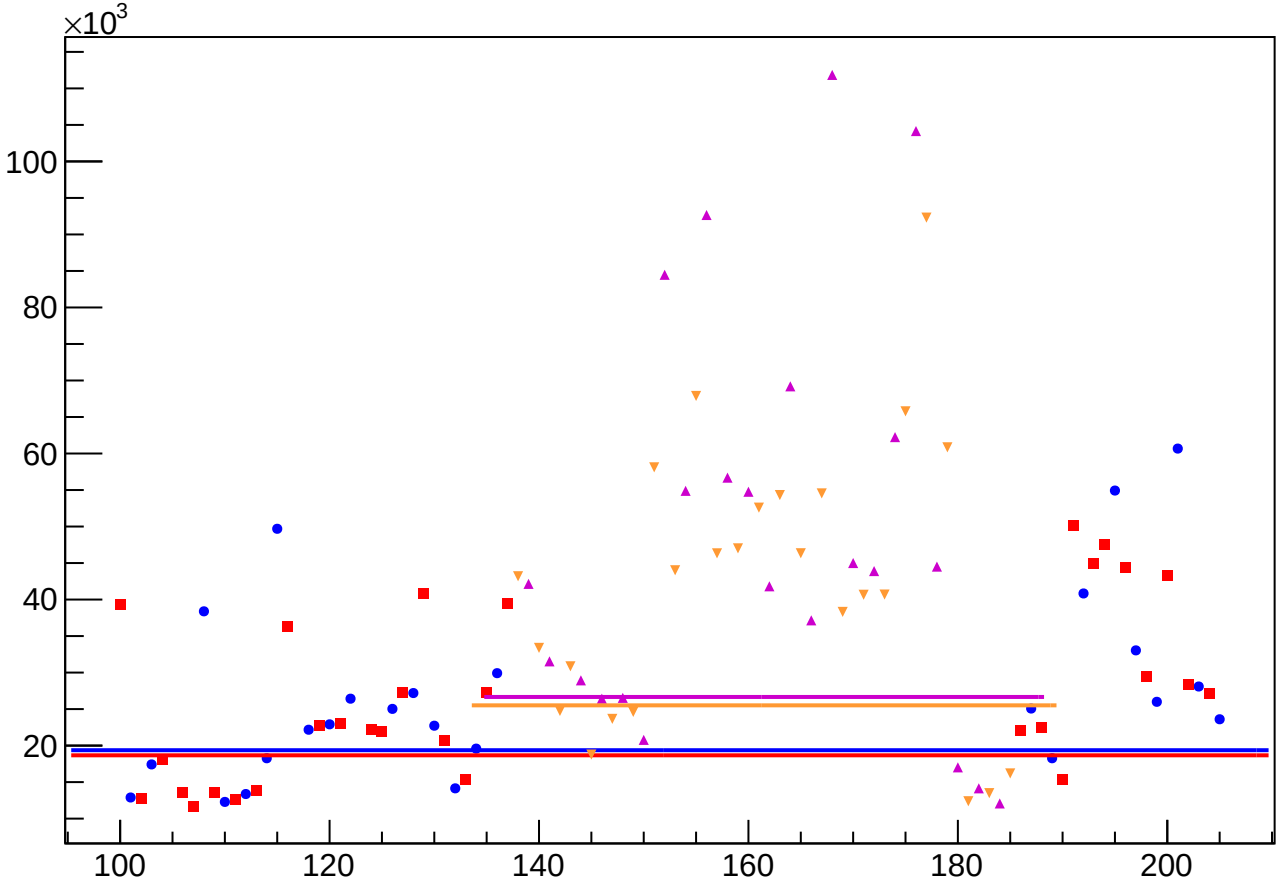
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.575+/-4.872 χ^2/NDF: 48.6/49

All: -0.877+/-3.460 χ^2/NDF: 106.8/102

- sign -3.372+/-4.914 χ^2/NDF: 57.8/52

asym_bcm_an_diff_rms vs Slug



Right In: 19368.072+/-4.489 χ^2/NDF: 2912253.0/24

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18669.711+/-4.180 χ^2/NDF: 3505319.5/29

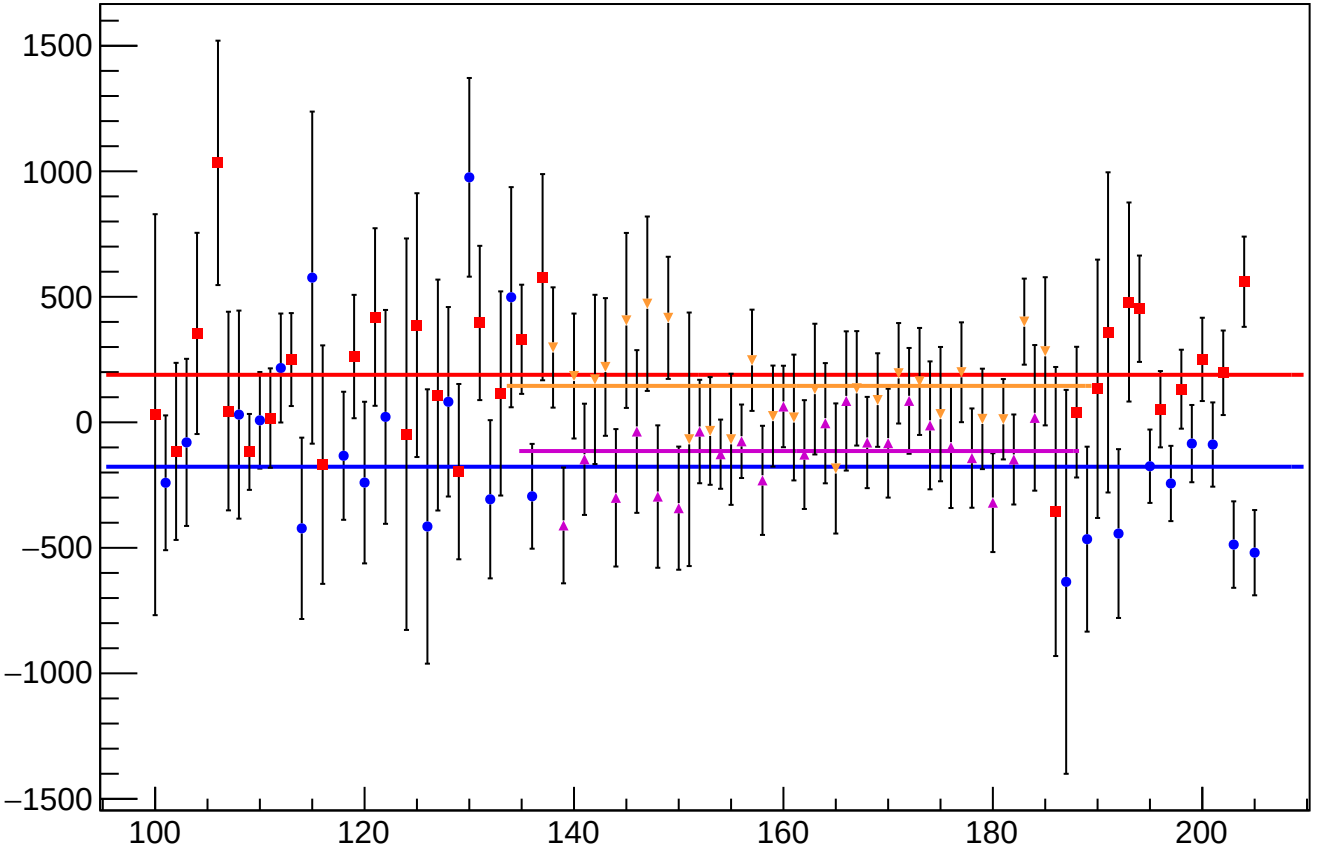
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21892.834+/-3.445 χ^2/NDF: 11424785.7/49

All: 21518.840+/-2.446 χ^2/NDF: 21966436.8

- sign 21138.485+/-3.474 χ^2/NDF: 10517883.2/52

asym_bcm_an_ds_mean vs Slug



Right In: -176.925+/-48.351 χ^2/NDF: 28.4/24

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 189.306+/-46.896 χ^2/NDF: 22.2/29

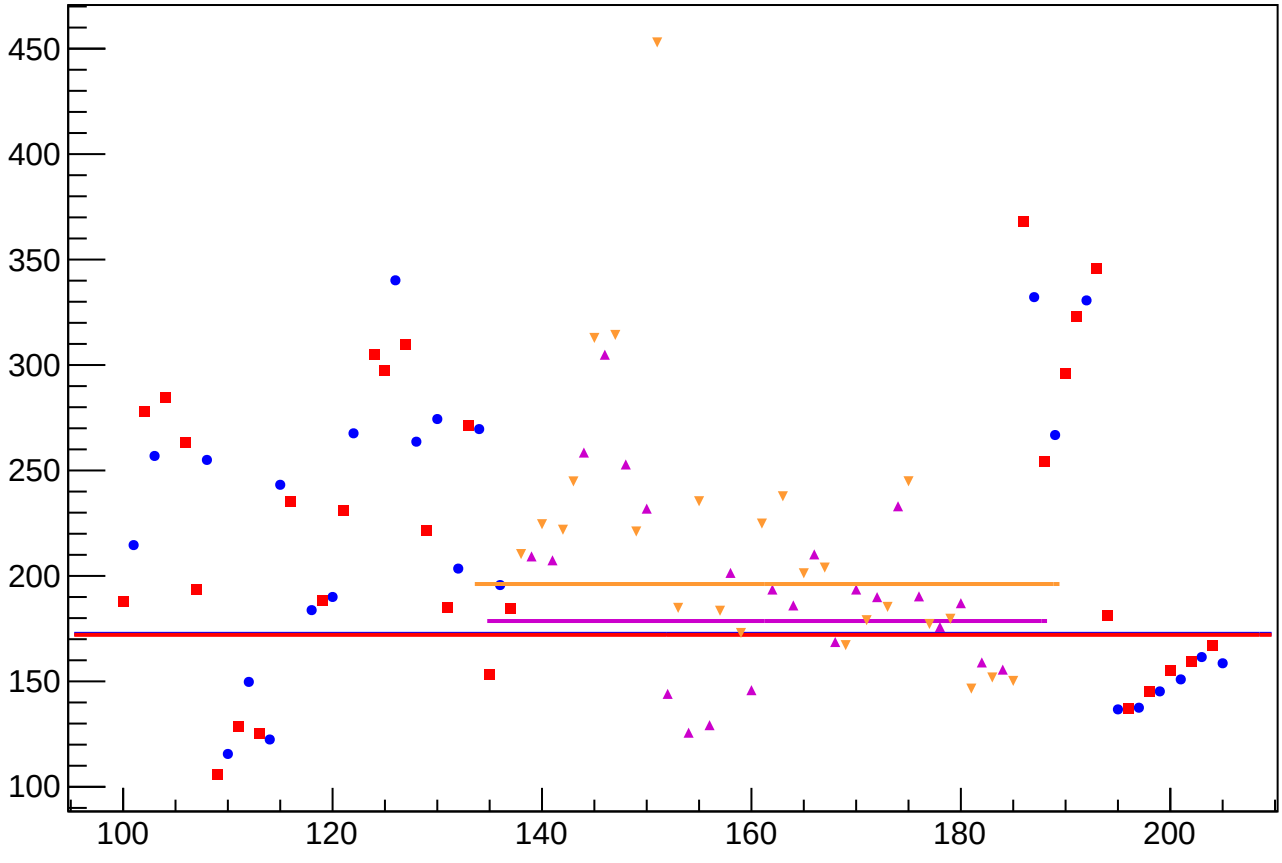
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -8.642+/-33.412 χ^2/NDF: 62.8/49

All: 9.706+/-23.088 χ^2/NDF: 116.4/102

- sign 26.472+/-31.939 χ^2/NDF: 53.0/52

asym_bcm_an_ds_rms vs Slug



Right In: 172.539+/-0.034 χ^2/NDF: 2210970.6/24

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.072+/-0.033 χ^2/NDF: 2899677.2/29

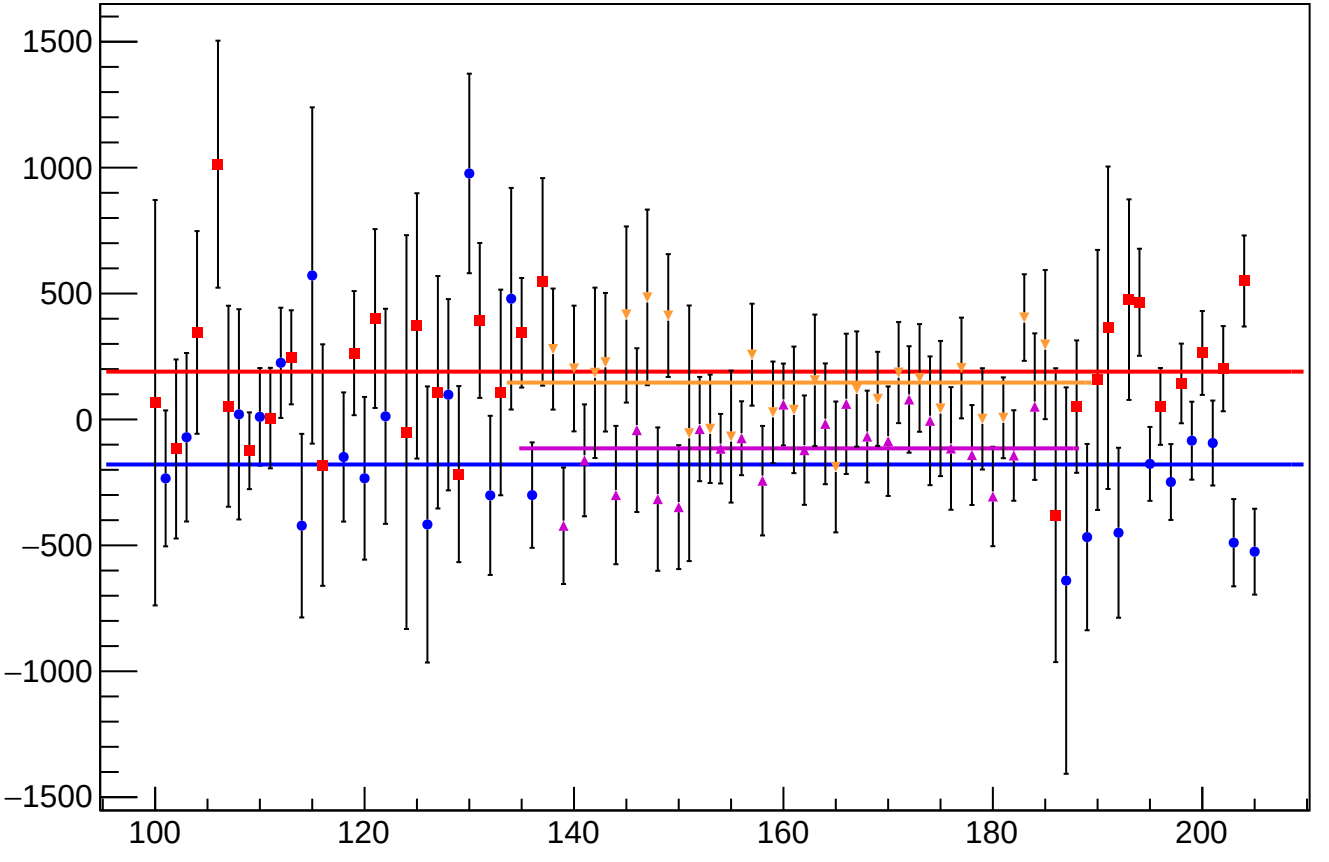
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 184.883+/-0.024 χ^2/NDF: 4267350.6/49

All: 180.024+/-0.016 χ^2/NDF: 8920767.2/102

- sign 175.583+/-0.023 χ^2/NDF: 4572459.8/52

asym_bcm_an_ds3_mean vs Slug



Right In: -178.813+/-48.599 χ^2/NDF: 28.4/24

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 189.918+/-47.143 χ^2/NDF: 22.0/29

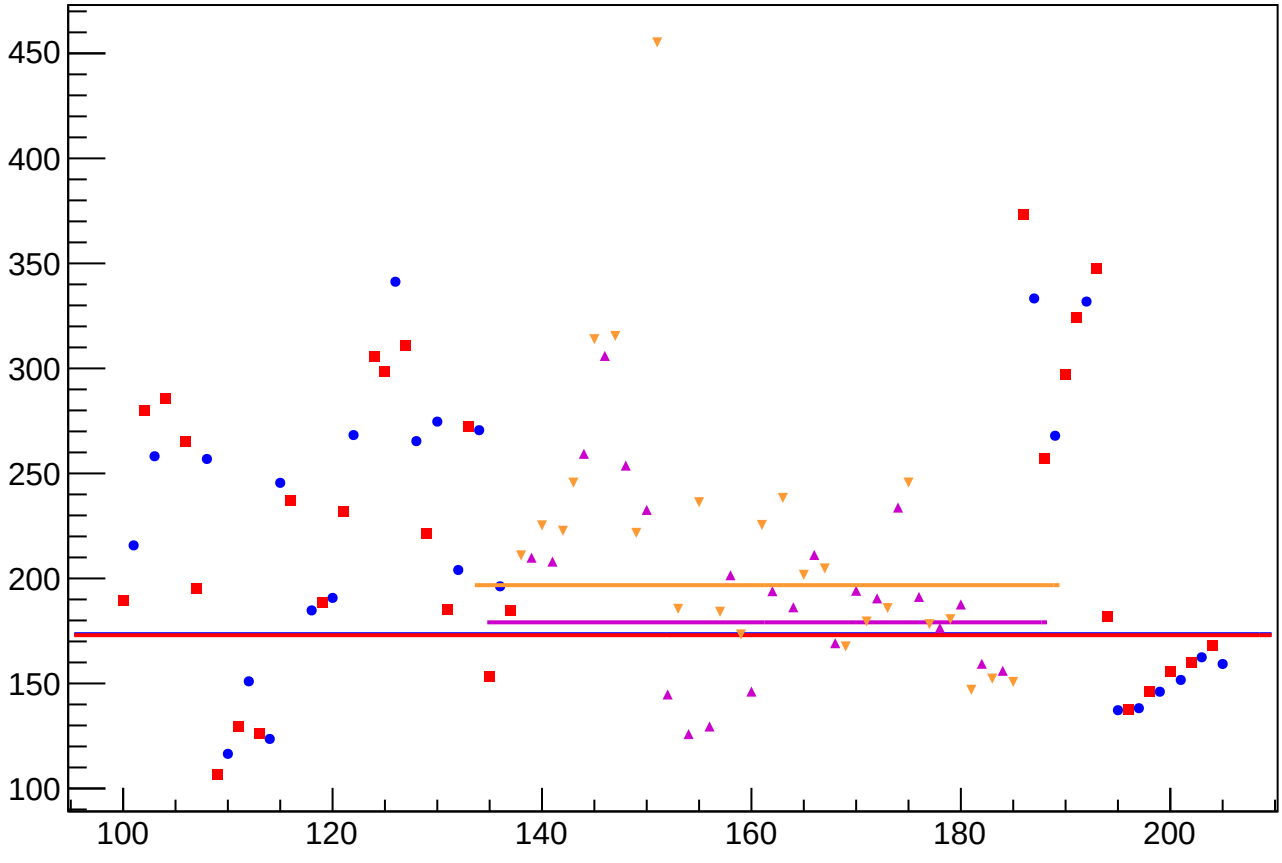
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -8.600+/-33.552 χ^2/NDF: 63.3/49

All: 9.569+/-23.181 χ^2/NDF: 116.7/102

- sign 26.163+/-32.065 χ^2/NDF: 52.9/52

asym_bcm_an_ds3_rms vs Slug



Right In: 173.456+/-0.034 χ^2/NDF: 2201299.8/24

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.986+/-0.033 χ^2/NDF: 2895929.3/29

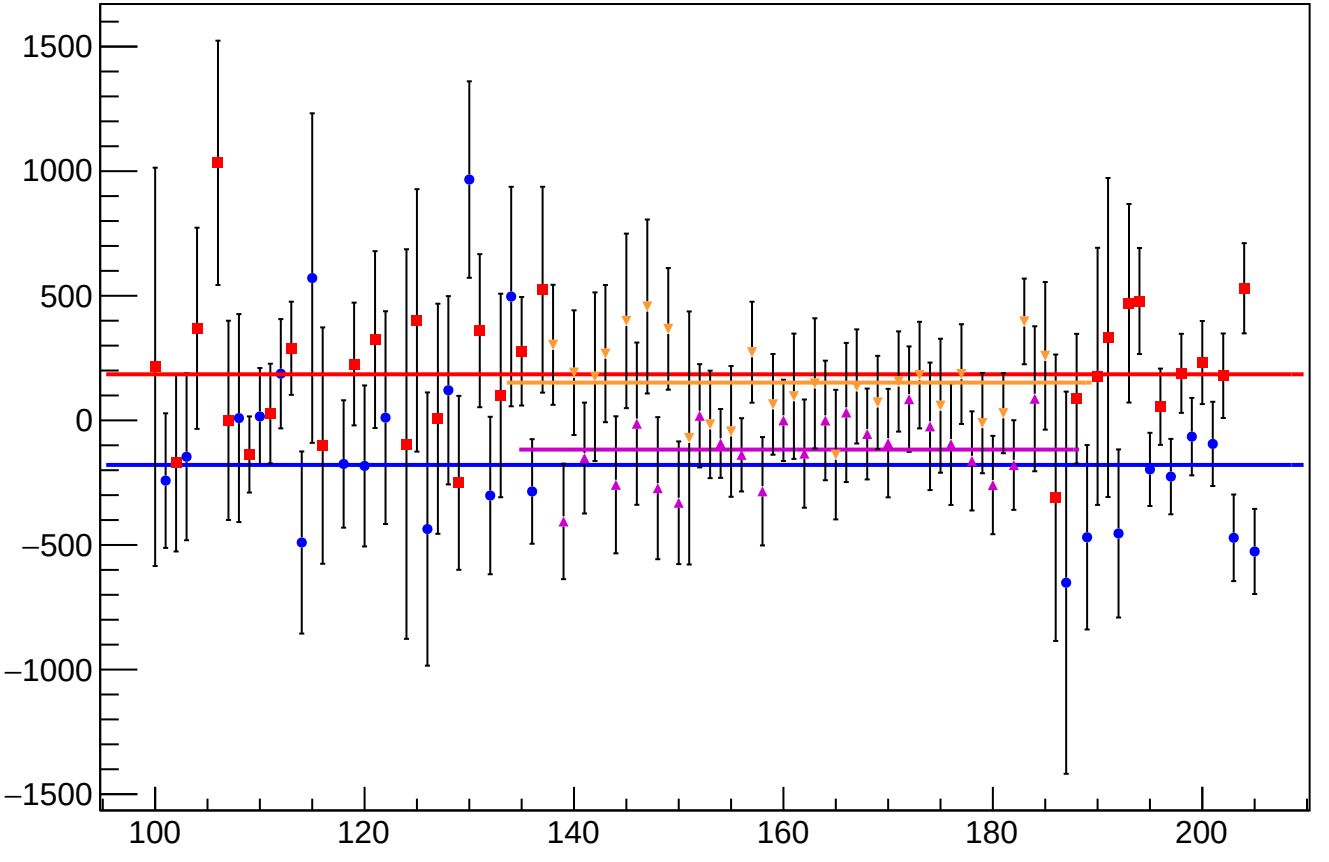
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 185.676+/-0.024 χ^2/NDF: 4251536.5/49

All: 180.761+/-0.016 χ^2/NDF: 8903529.7/102

- sign 176.272+/-0.023 χ^2/NDF: 4569877.5/52

asym_bcm_an_us_mean vs Slug



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 184.940+/-47.183 χ^2/NDF: 21.4/29

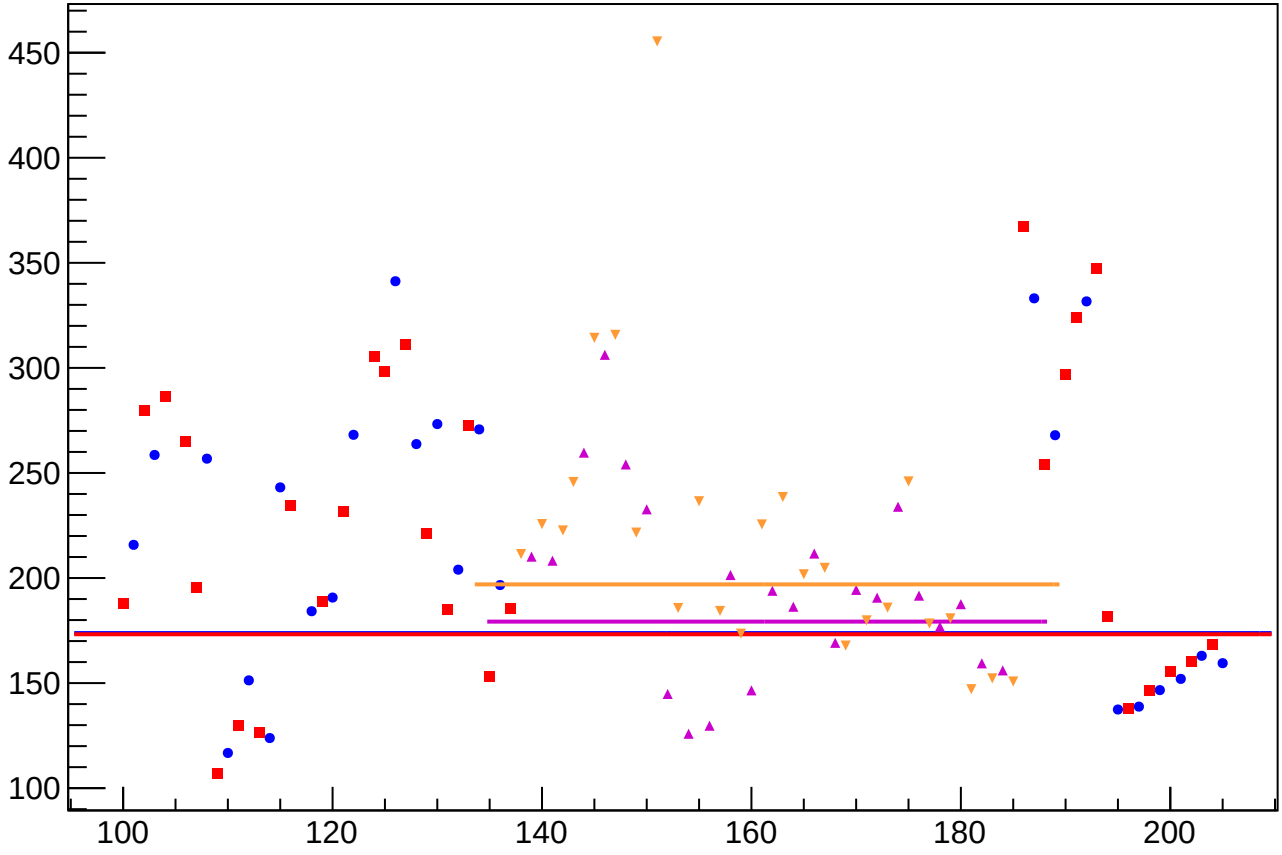
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -5.744+/-33.592 χ^2/NDF: 61.6/49

All: 9.072+/-23.205 χ^2/NDF: 112.8/102

\- sign 22.595+/-32.092 χ^2/NDF: 50.9/52

asym_bcm_an_us_rms vs Slug



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

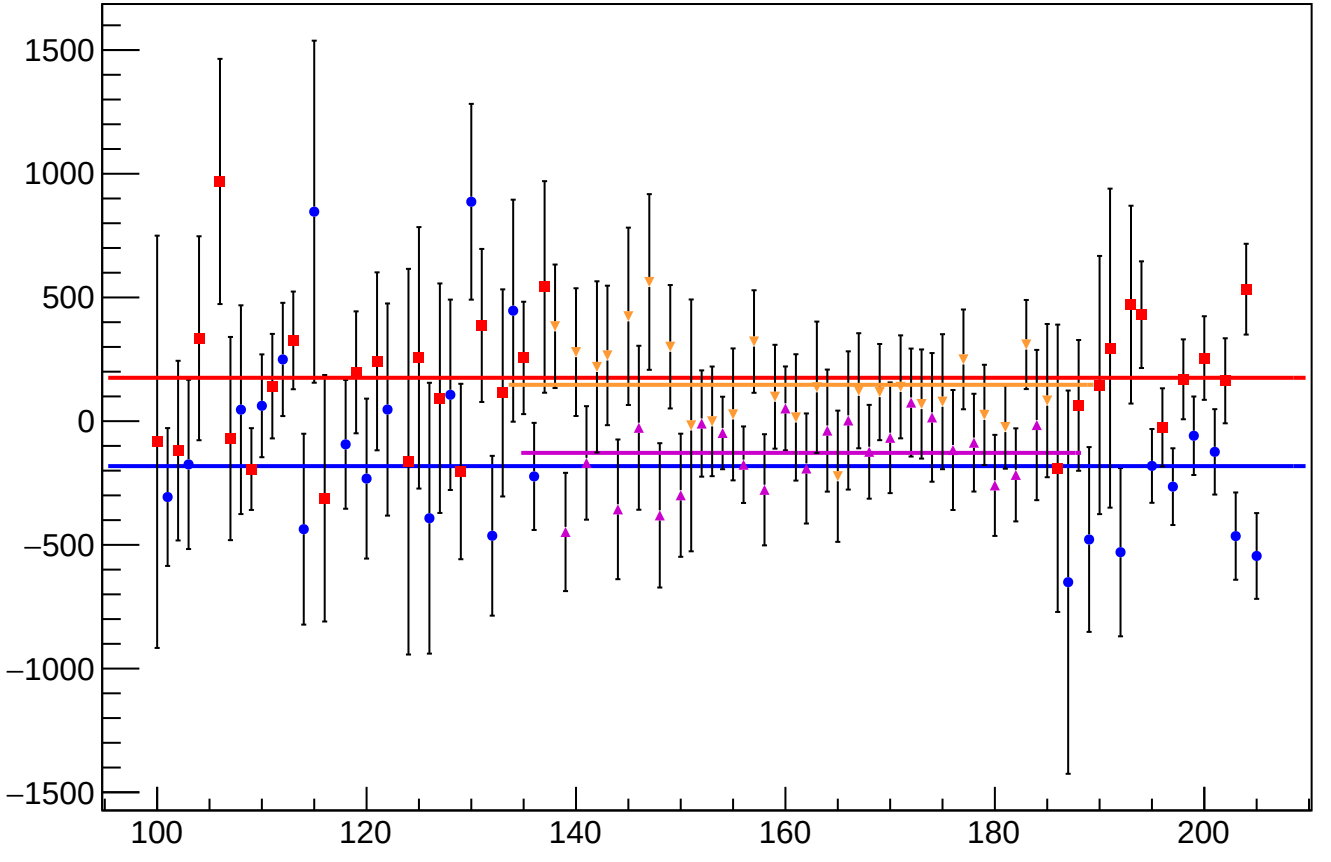
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 185.932+/-0.024 χ^2/NDF: 4227652.3/49

All: 180.986+/-0.016 χ^2/NDF: 8846652.7/102

- sign 176.472+/-0.023 χ^2/NDF: 4536078.7/52

asym_bcm_dg_us_mean vs Slug



Right In: -181.677+/-49.813 χ^2/NDF: 29.3/24

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 175.328+/-48.521 χ^2/NDF: 21.4/29

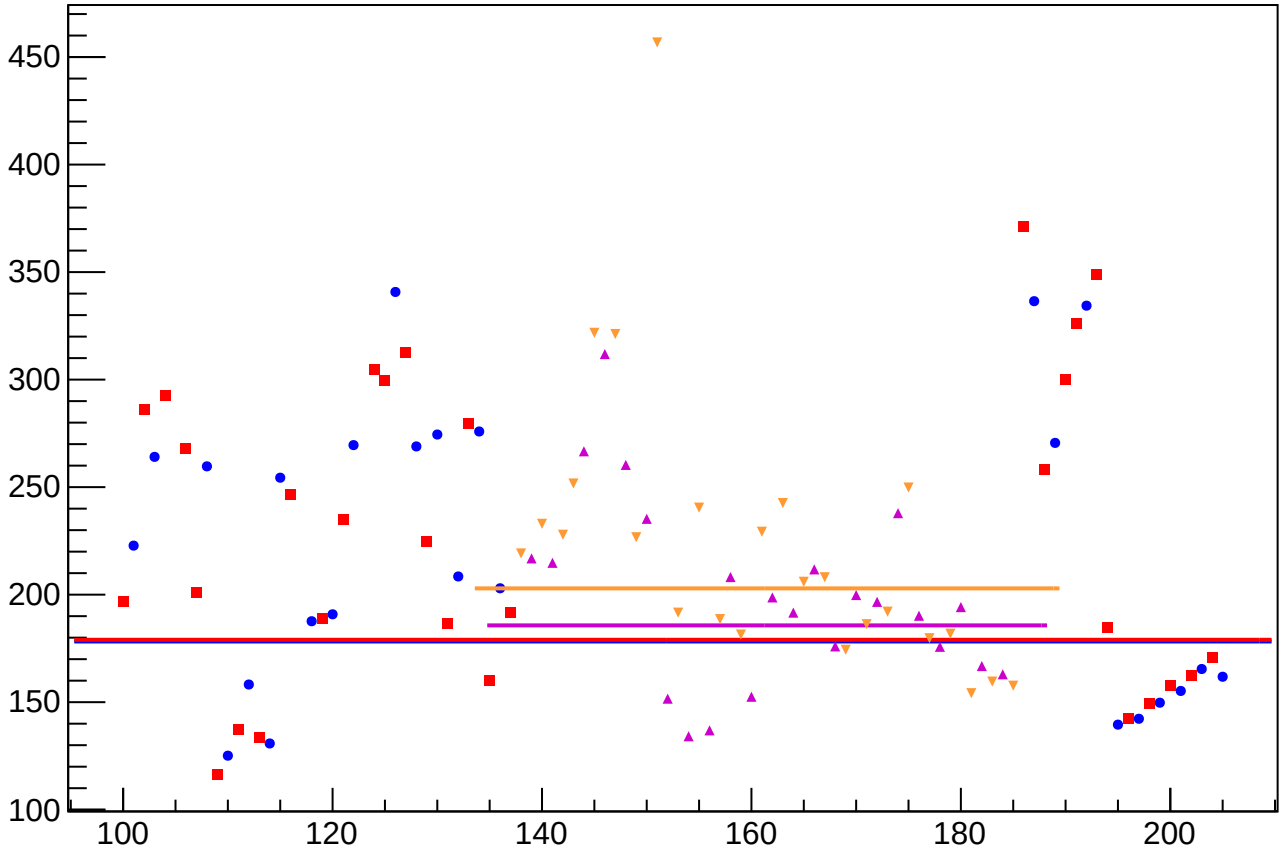
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -10.263+/-34.455 χ^2/NDF: 62.1/49

All: 1.763+/-23.860 χ^2/NDF: 113.2/102

- sign 12.844+/-33.073 χ^2/NDF: 50.9/52

asym_bcm_dg_us_rms vs Slug



Right In: 178.243+/-0.035 χ^2/NDF: 2090619.6/24

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.013+/-0.034 χ^2/NDF: 2645141.5/29

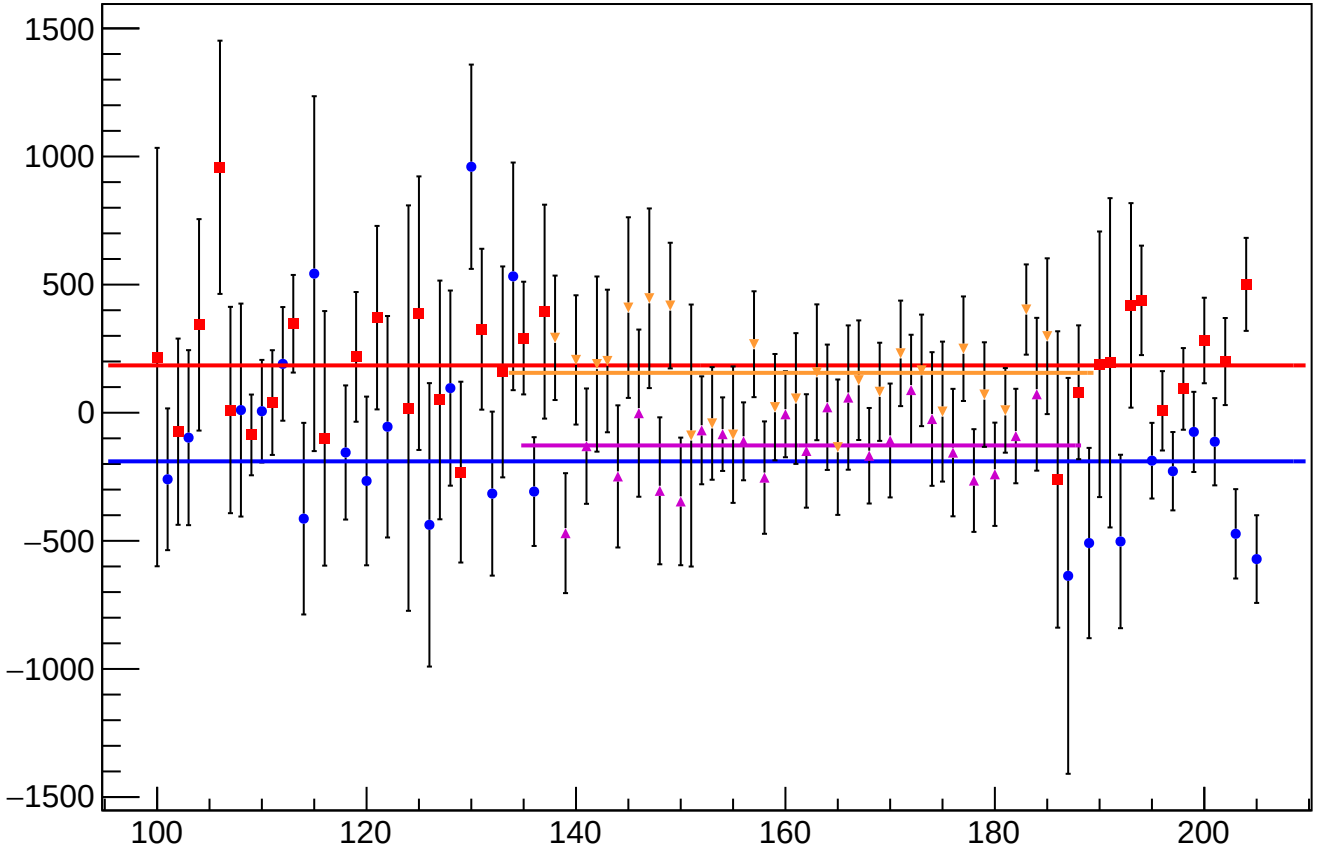
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 191.114+/-0.024 χ^2/NDF: 4046742.0/49

All: 186.684+/-0.017 χ^2/NDF: 8265339.2/102

- sign 182.602+/-0.023 χ^2/NDF: 4155064.4/52

asym_bcm_dg_ds_mean vs Slug



Right In: -189.768+/-49.187 χ^2/NDF: 28.4/24

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 184.685+/-47.749 χ^2/NDF: 18.0/29

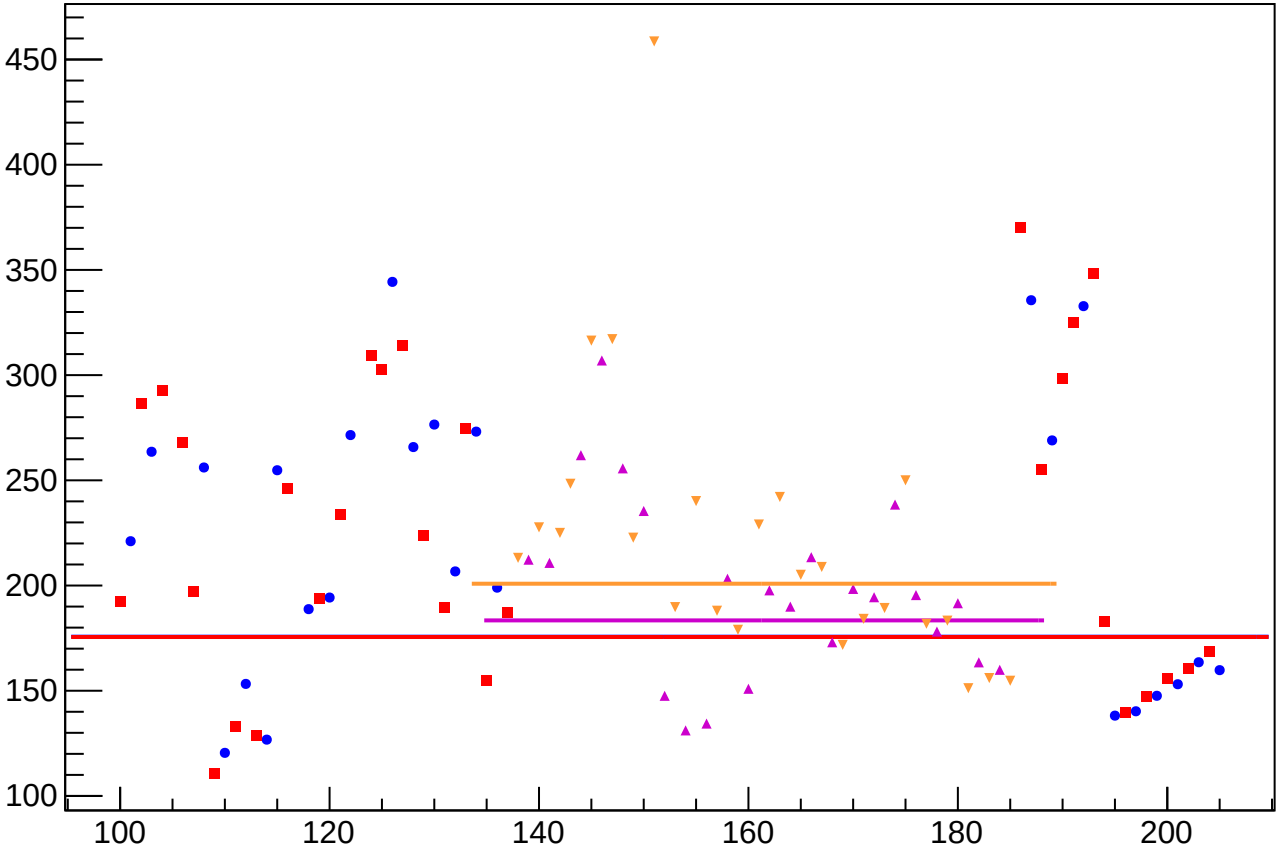
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -10.174+/-34.080 χ^2/NDF: 64.7/49

All: 4.638+/-23.569 χ^2/NDF: 113.9/102

- sign 18.217+/-32.631 χ^2/NDF: 48.8/52

asym_bcm_dg_ds_rms vs Slug



Right In: 175.685+/-0.035 χ^2/NDF: 2174857.4/24

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 175.538+/-0.034 χ^2/NDF: 2820921.3/29

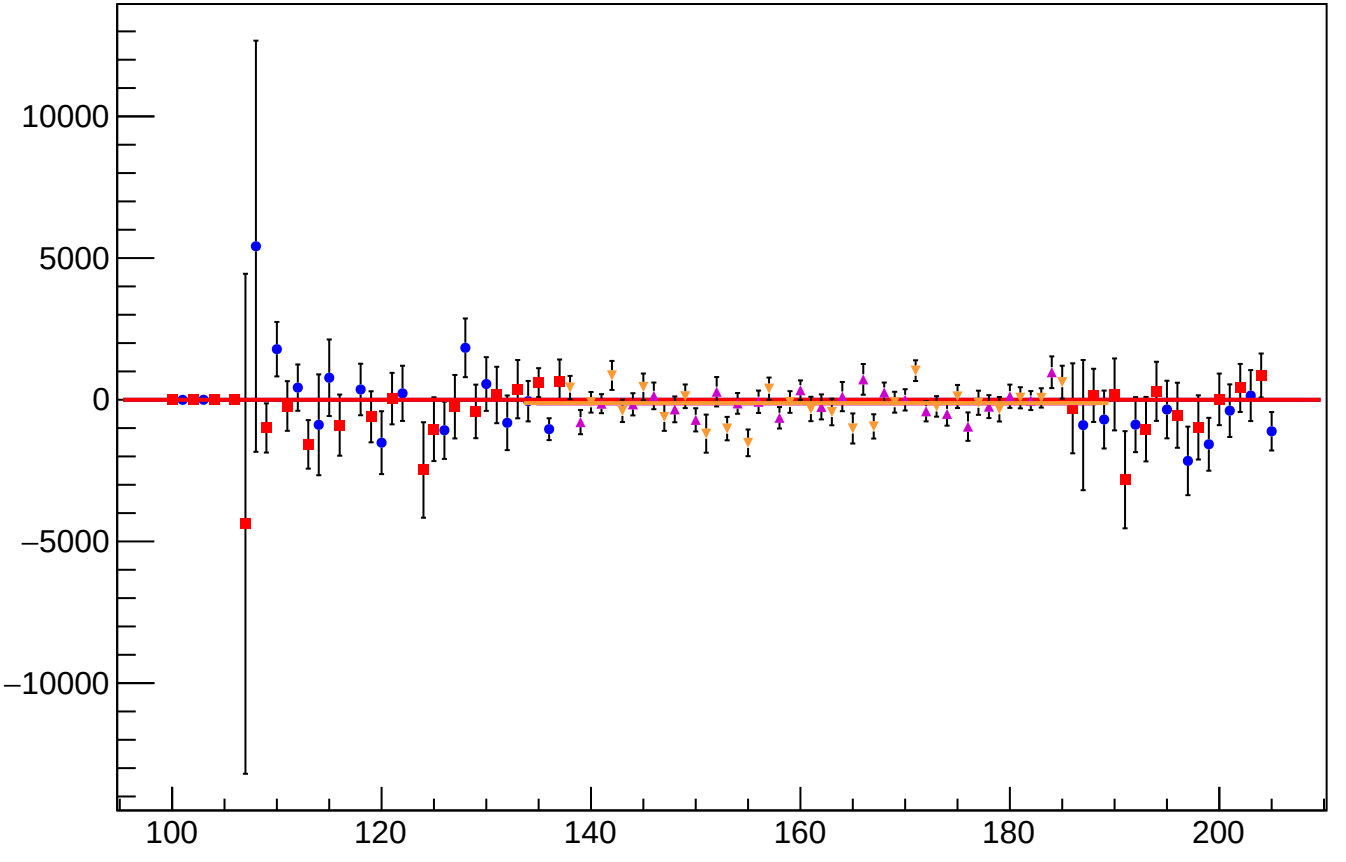
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 188.777+/-0.024 χ^2/NDF: 4174763.9/49

All: 184.065+/-0.017 χ^2/NDF: 8628779.6/102

- sign 179.746+/-0.023 χ^2/NDF: 4380744.0/52

asym_cav4bQ_mean vs Slug



Right In: -1.277+/-2.171 χ^2/NDF: 30.3/24

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.379+/-2.022 χ^2/NDF: 23.0/29

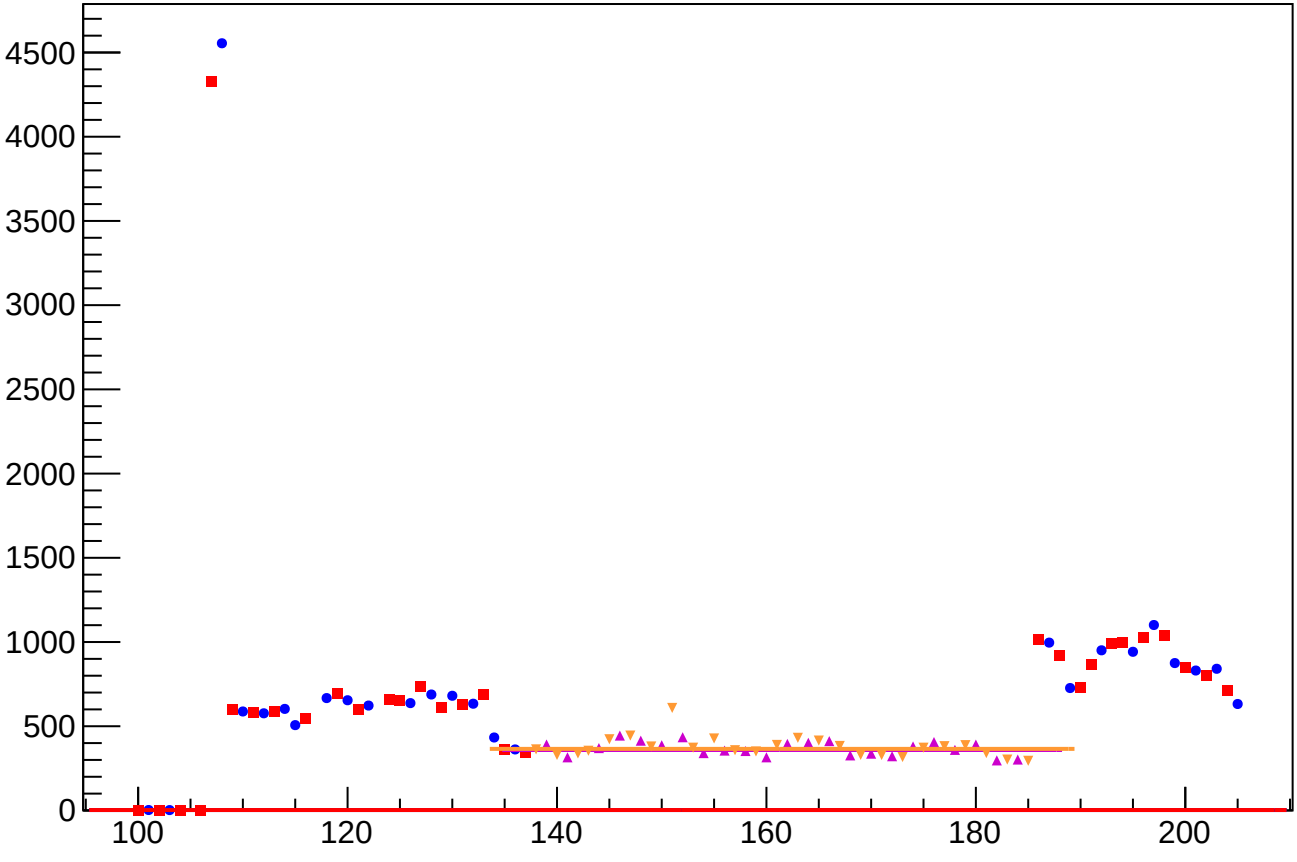
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.354+/-2.170 χ^2/NDF: 78.6/49

All: -1.406+/-1.479 χ^2/NDF: 125.6/102

- sign -1.452+/-2.022 χ^2/NDF: 46.9/52

asym_cav4bQ_rms vs Slug



Right In: 2.514+/-0.002 χ^2/NDF: 25069500.1/24

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.498+/-0.001 χ^2/NDF: 27178020.6/29

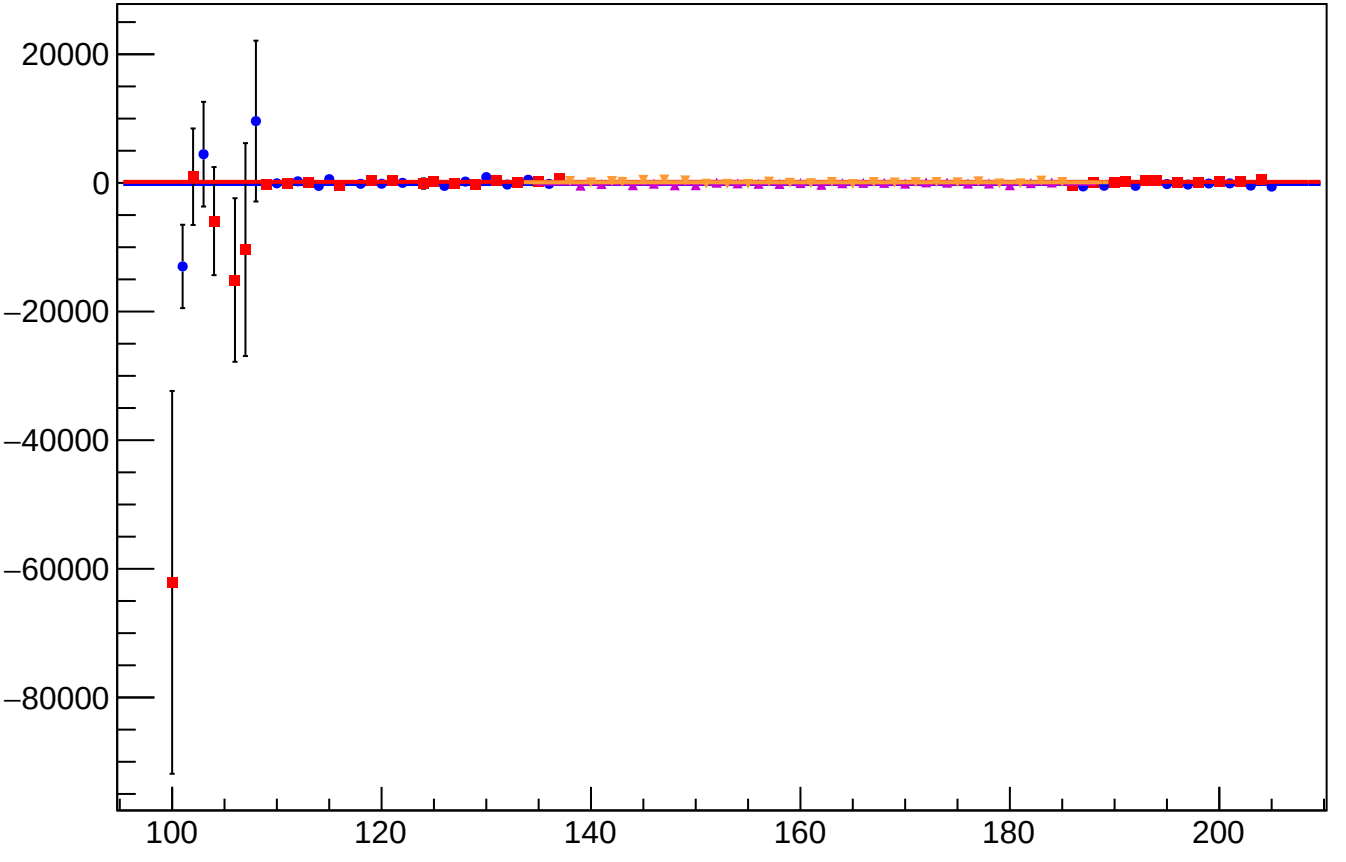
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.755+/-0.002 χ^2/NDF: 62896803.0/49

All: 2.725+/-0.001 χ^2/NDF: 125626591.3/102

- sign 2.699+/-0.001 χ^2/NDF: 62729080.3/52

asym_cav4cQ_mean vs Slug



Right In: -170.275+/-53.985 χ^2/NDF: 29.5/24

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 162.259+/-53.163 χ^2/NDF: 21.7/29

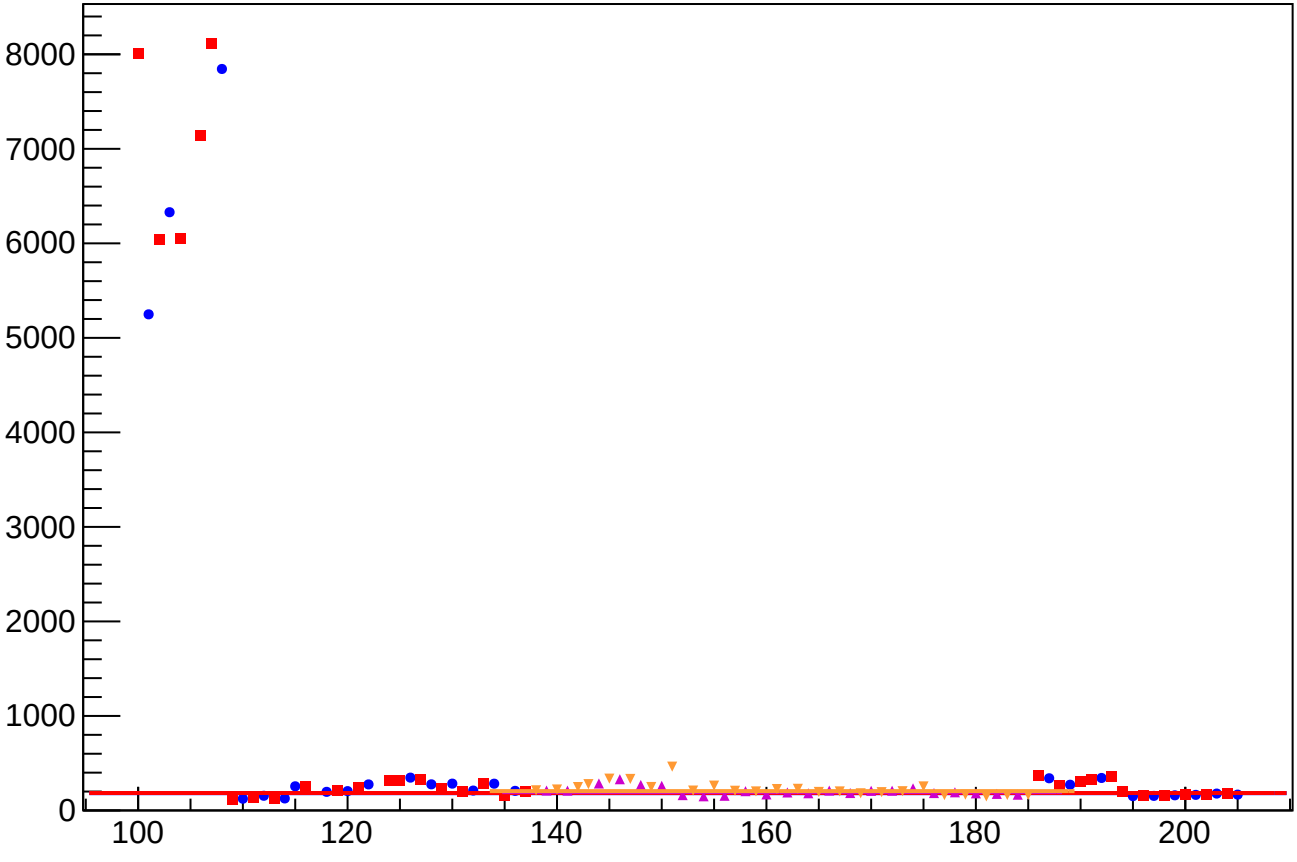
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -20.246+/-35.975 χ^2/NDF: 56.2/49

All: -7.822+/-25.158 χ^2/NDF: 103.1/102

- sign 4.067+/-35.194 χ^2/NDF: 46.7/52

asym_cav4cQ_rms vs Slug



Right In: 182.855+/-0.038 χ^2/NDF: 4835415.5/24

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.528+/-0.038 χ^2/NDF: 5502333.9/29

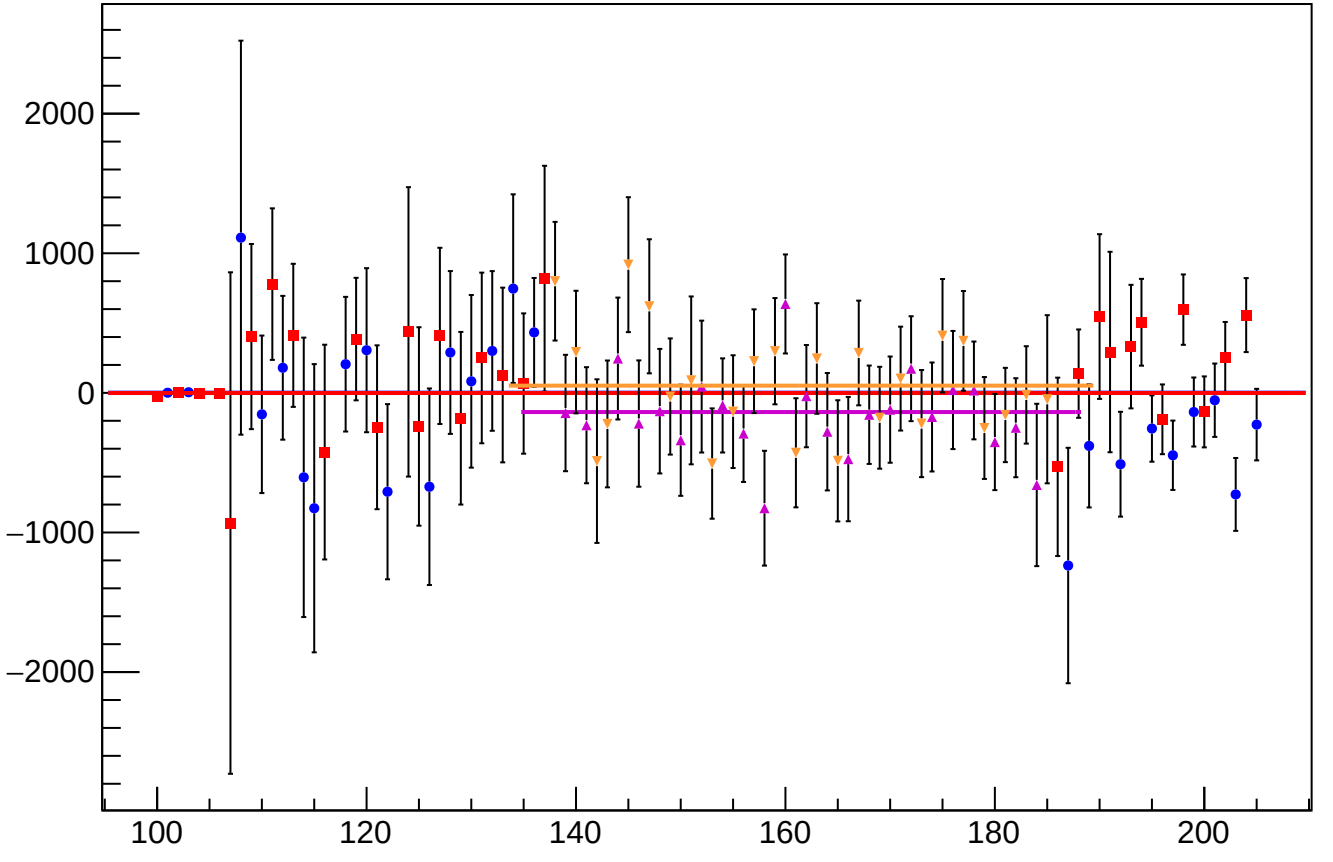
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 194.933+/-0.025 χ^2/NDF: 6990614.1/49

All: 192.305+/-0.018 χ^2/NDF: 13740298.3/10

- sign 189.790+/-0.025 χ^2/NDF: 6728801.1/52

asym_cav4dQ_mean vs Slug



Right In: 1.355+/-1.660 χ^2/NDF: 26.0/24

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.034+/-1.528 χ^2/NDF: 26.2/29

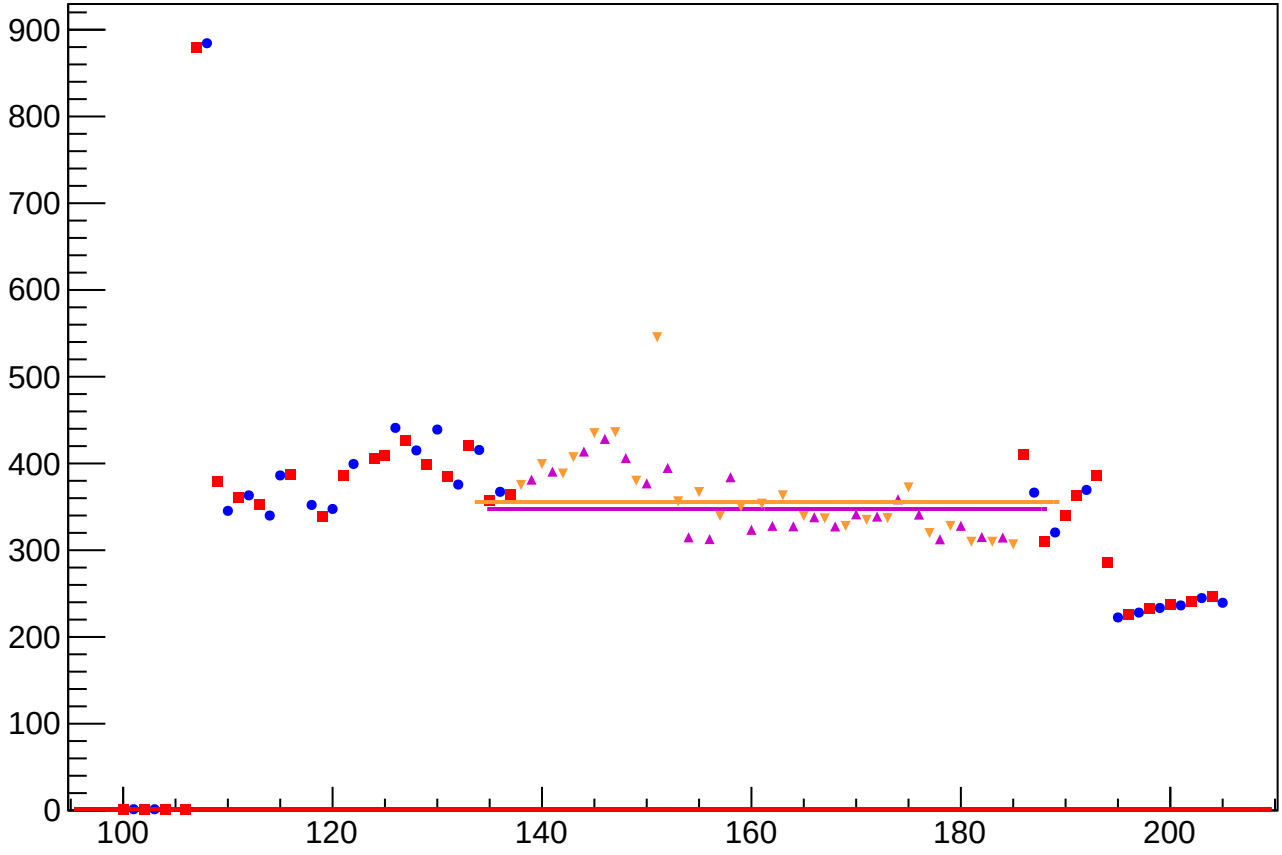
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.376+/-1.660 χ^2/NDF: 45.9/49

All: 0.045+/-1.124 χ^2/NDF: 88.1/102

- sign -1.082+/-1.527 χ^2/NDF: 41.1/52

asym_cav4dQ_rms vs Slug



Right In: 1.544+/-0.001 χ^2/NDF: 25292522.1/24

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.534+/-0.001 χ^2/NDF: 26847645.4/29

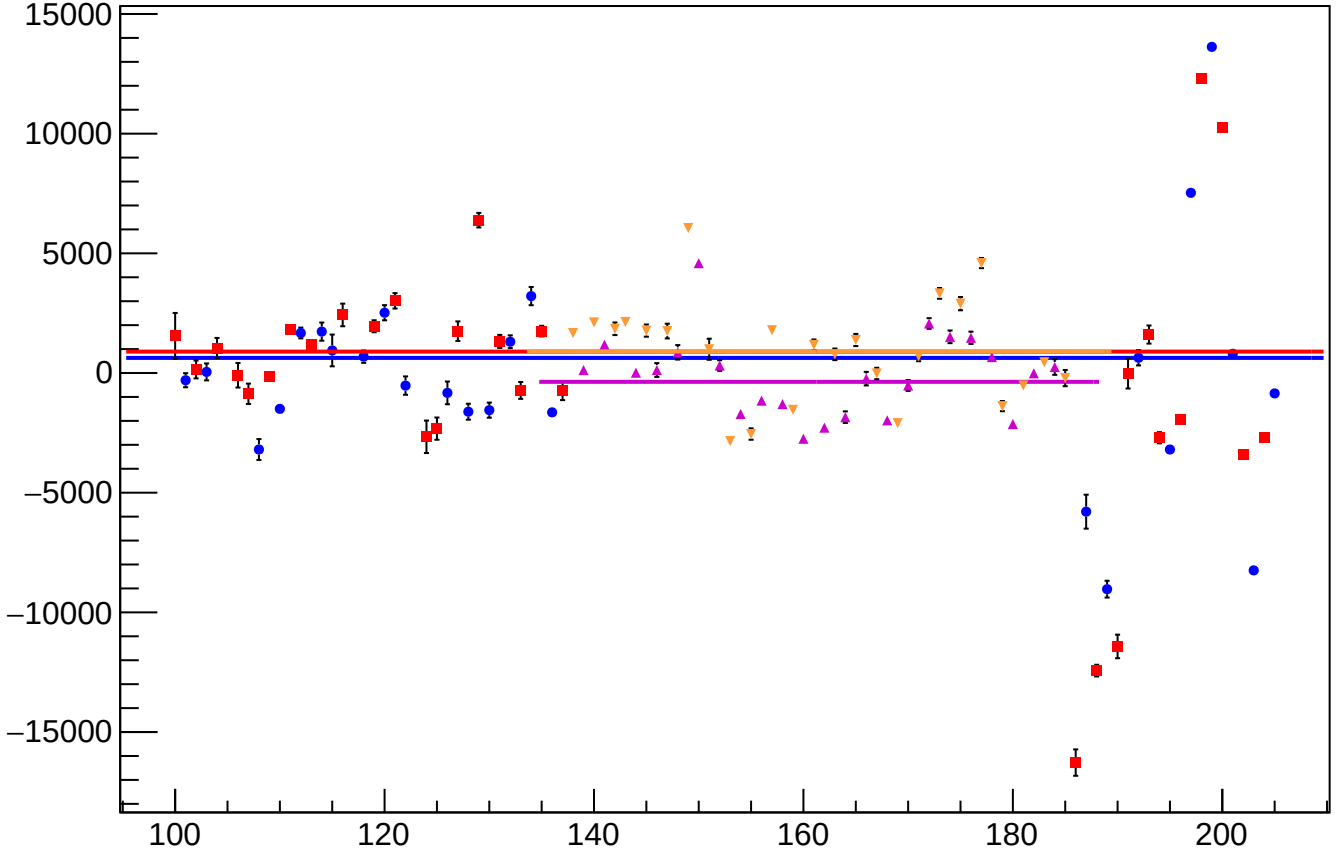
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.690+/-0.001 χ^2/NDF: 63486101.1/49

All: 1.671+/-0.001 χ^2/NDF: 126168631.2/102

- sign 1.654+/-0.001 χ^2/NDF: 62682004.4/52

asym_bcm0l02_mean vs Slug



Right In: 631.217+/-50.956 χ^2/NDF: 11334.6/24

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 894.774+/-49.268 χ^2/NDF: 13318.5/29

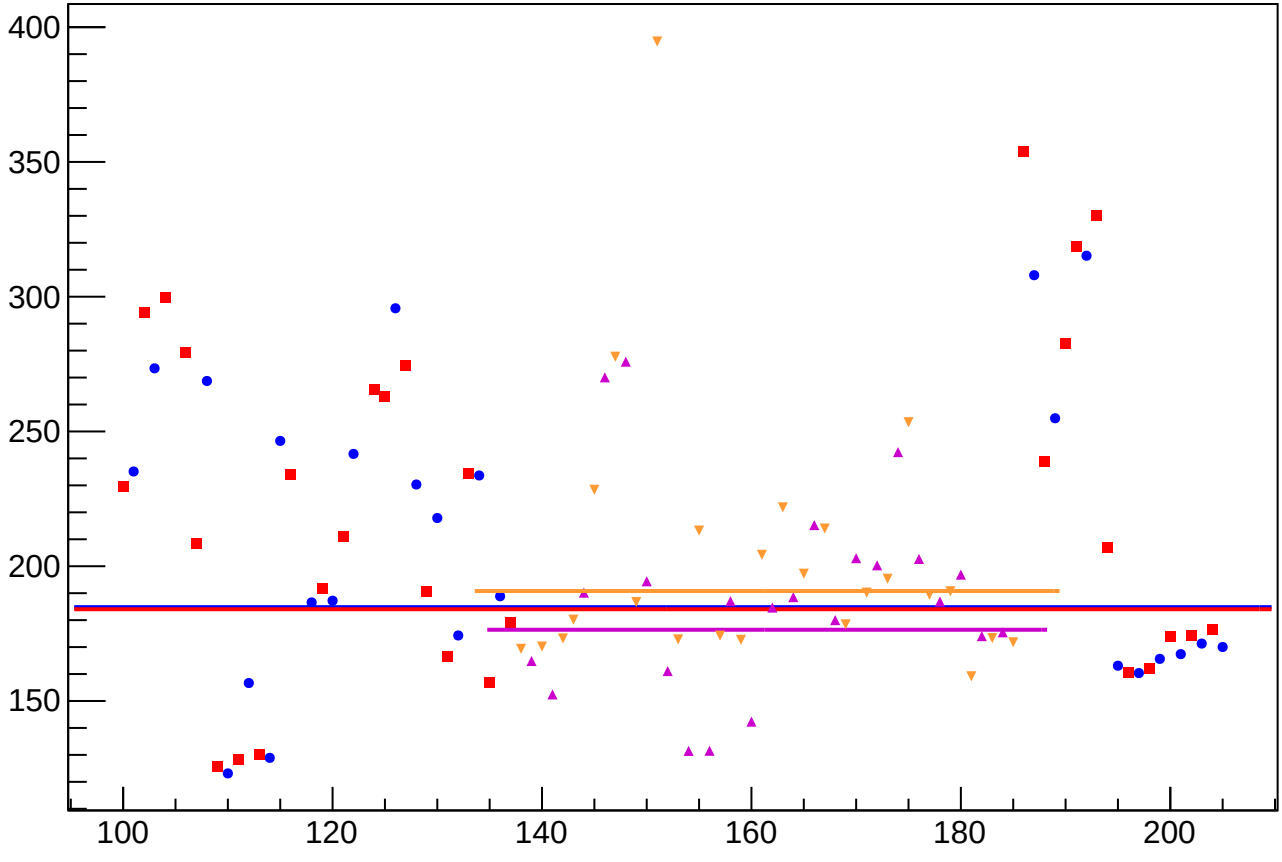
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 784.598+/-33.510 χ^2/NDF: 13761.5/49

All: 467.517+/-23.243 χ^2/NDF: 29220.9/102

- sign 173.511+/-32.267 χ^2/NDF: 15286.8/52

asym_bcm0l02_rms vs Slug



Right In: 184.813+/-0.036 χ^2/NDF: 1387847.7/24

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

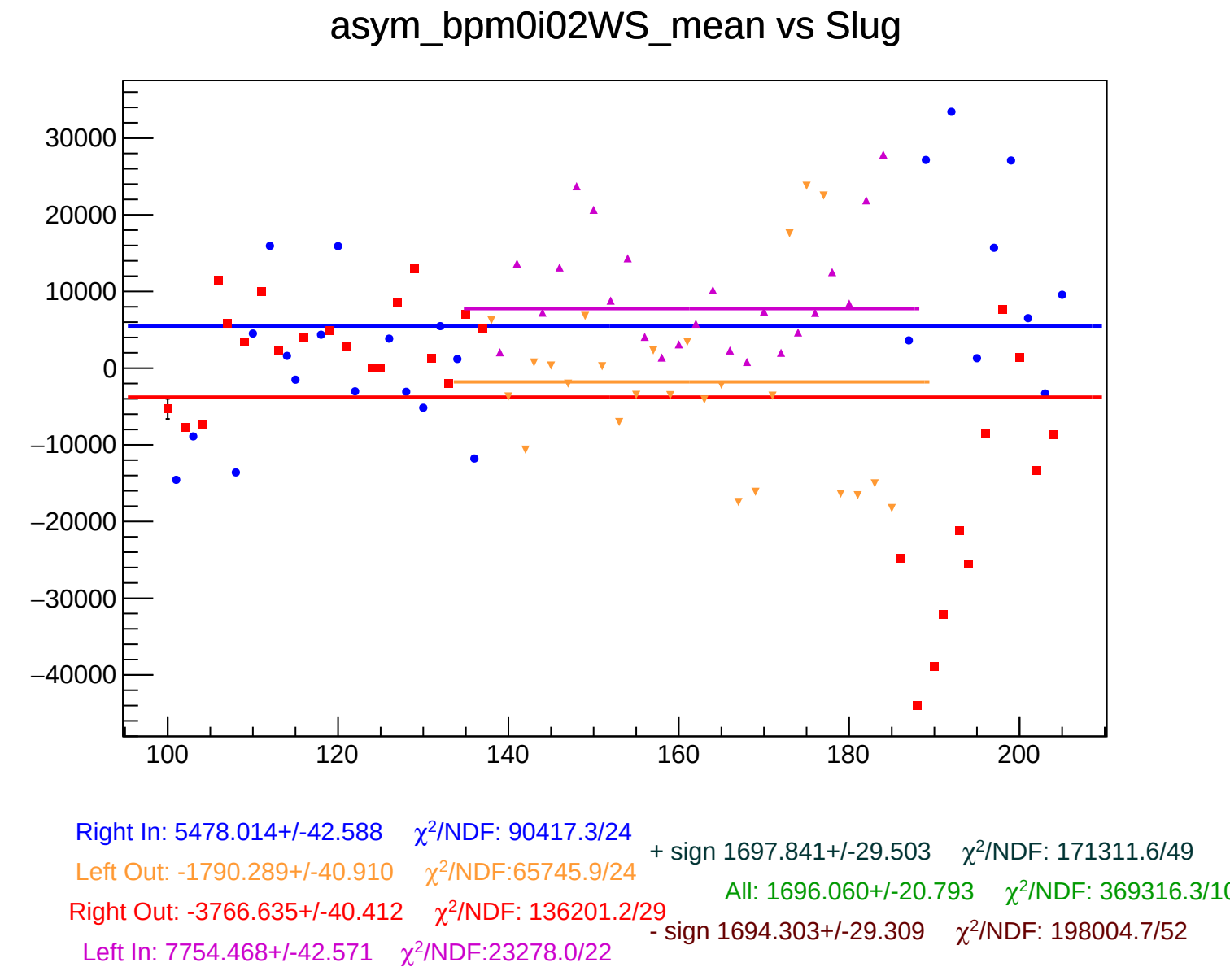
Right Out: 184.043+/-0.035 χ^2/NDF: 2105518.8/29

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

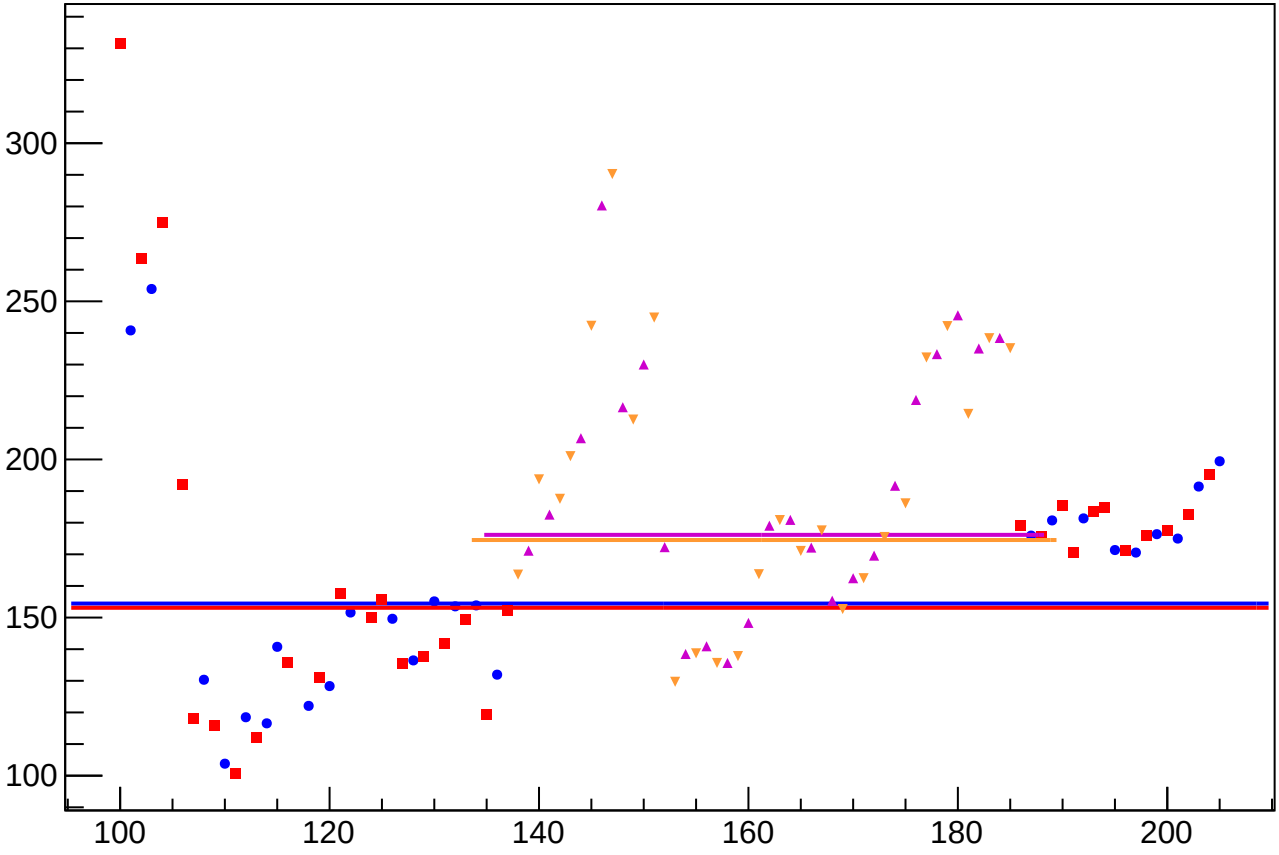
+ sign 188.212+/-0.024 χ^2/NDF: 2423118.8/49

All: 183.793+/-0.016 χ^2/NDF: 5880570.8/102

- sign 179.696+/-0.023 χ^2/NDF: 3390437.6/52


asym_bpm0i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 5478.014+/-42.588 χ²/NDF: 90417.3/24
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: -3766.635+/-40.412 χ²/NDF: 136201.2/29
Left In: 7754.468+/-42.571 χ²/NDF:23278.0/22
+ sign 1697.841+/-29.503 χ²/NDF: 171311.6/49
All: 1696.060+/-20.793 χ²/NDF: 369316.3/10
- sign 1694.303+/-29.309 χ²/NDF: 198004.7/52

asym_bpm0i02WS_rms vs Slug



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

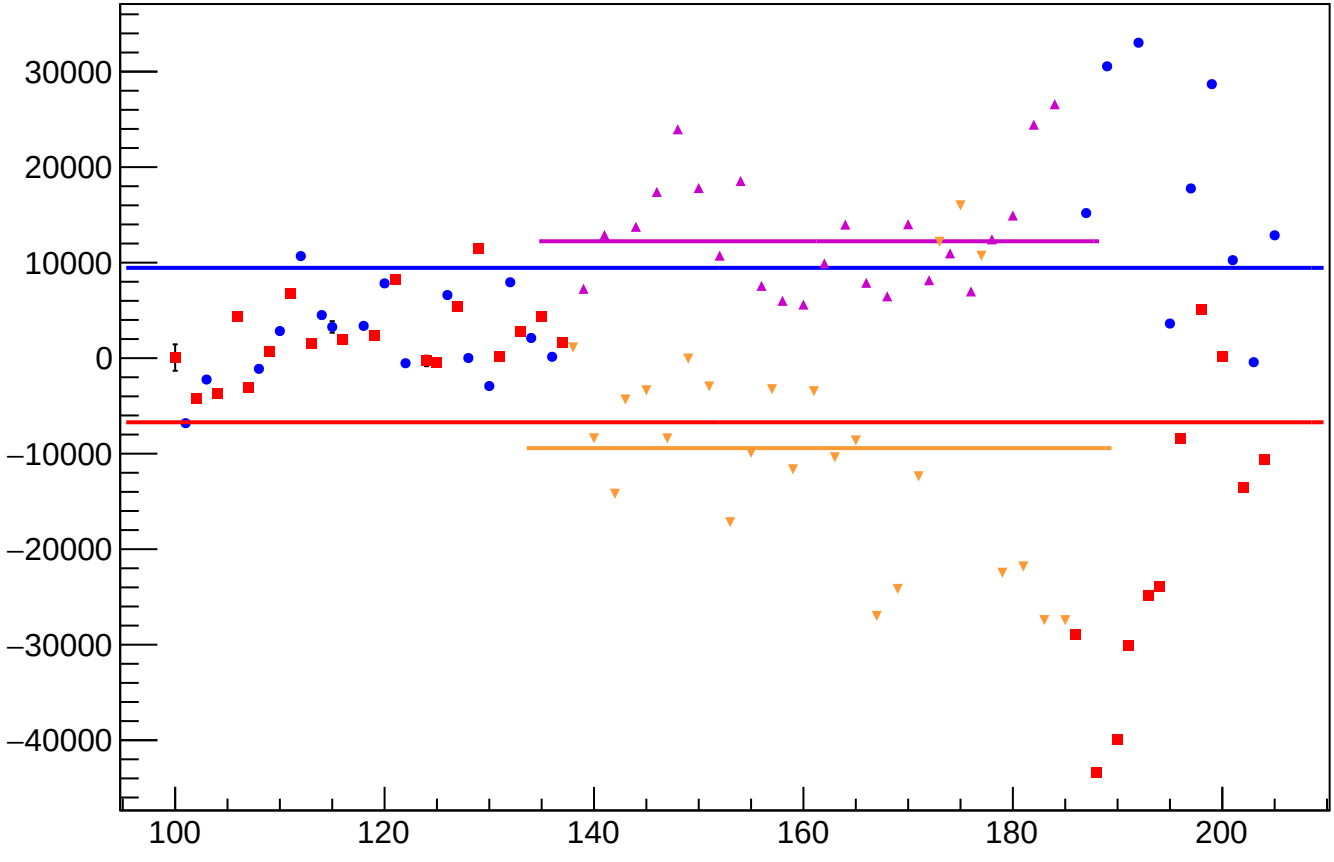
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 164.879+/-0.021 χ^2/NDF: 3023210.7/49

All: 164.449+/-0.015 χ^2/NDF: 6200752.6/102

- sign 164.025+/-0.021 χ^2/NDF: 3176699.5/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6712.746+/-45.630 χ^2/NDF: 105331.2/29

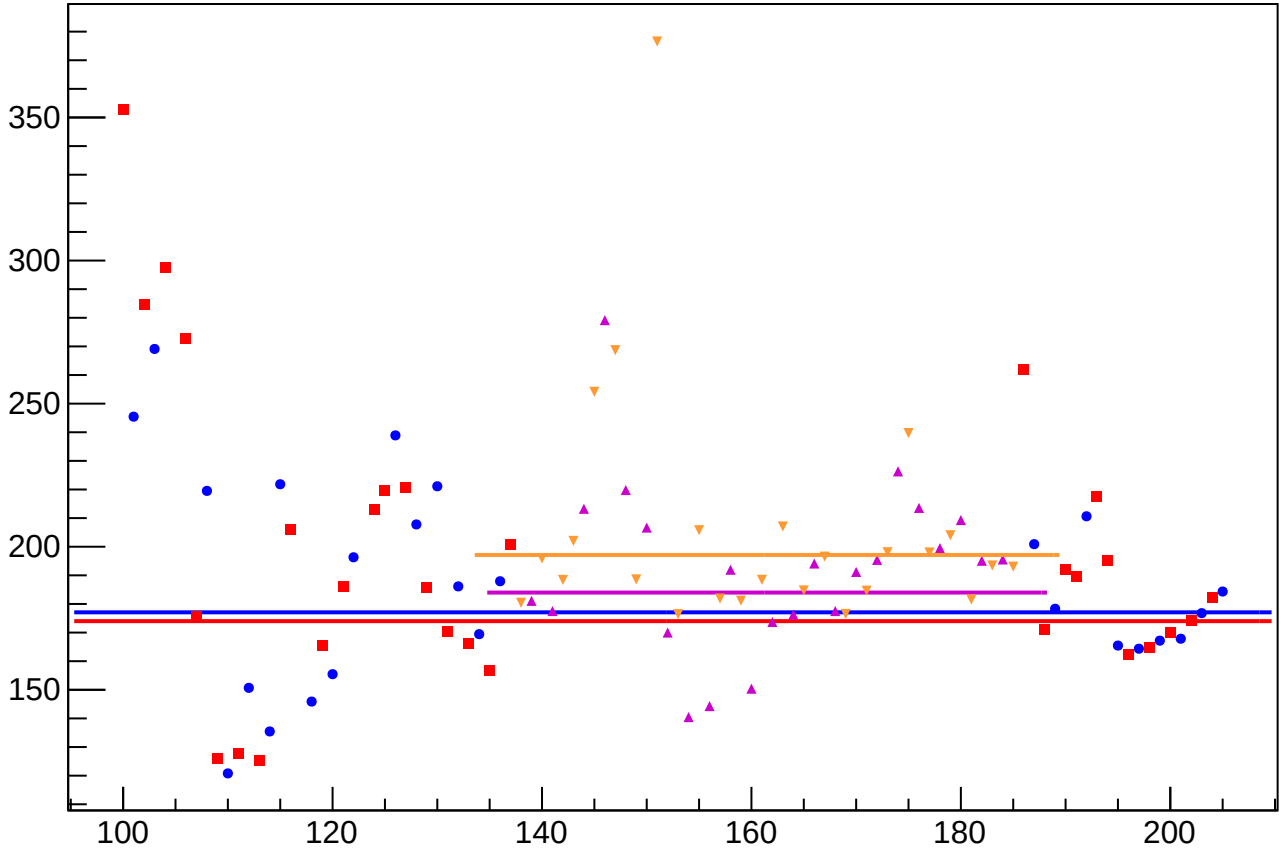
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -503.812+/-33.193 χ^2/NDF: 196534.5/49

All: 1360.479+/-22.942 χ^2/NDF: 412924.3/10

- sign 3065.723+/-31.746 χ^2/NDF: 210349.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

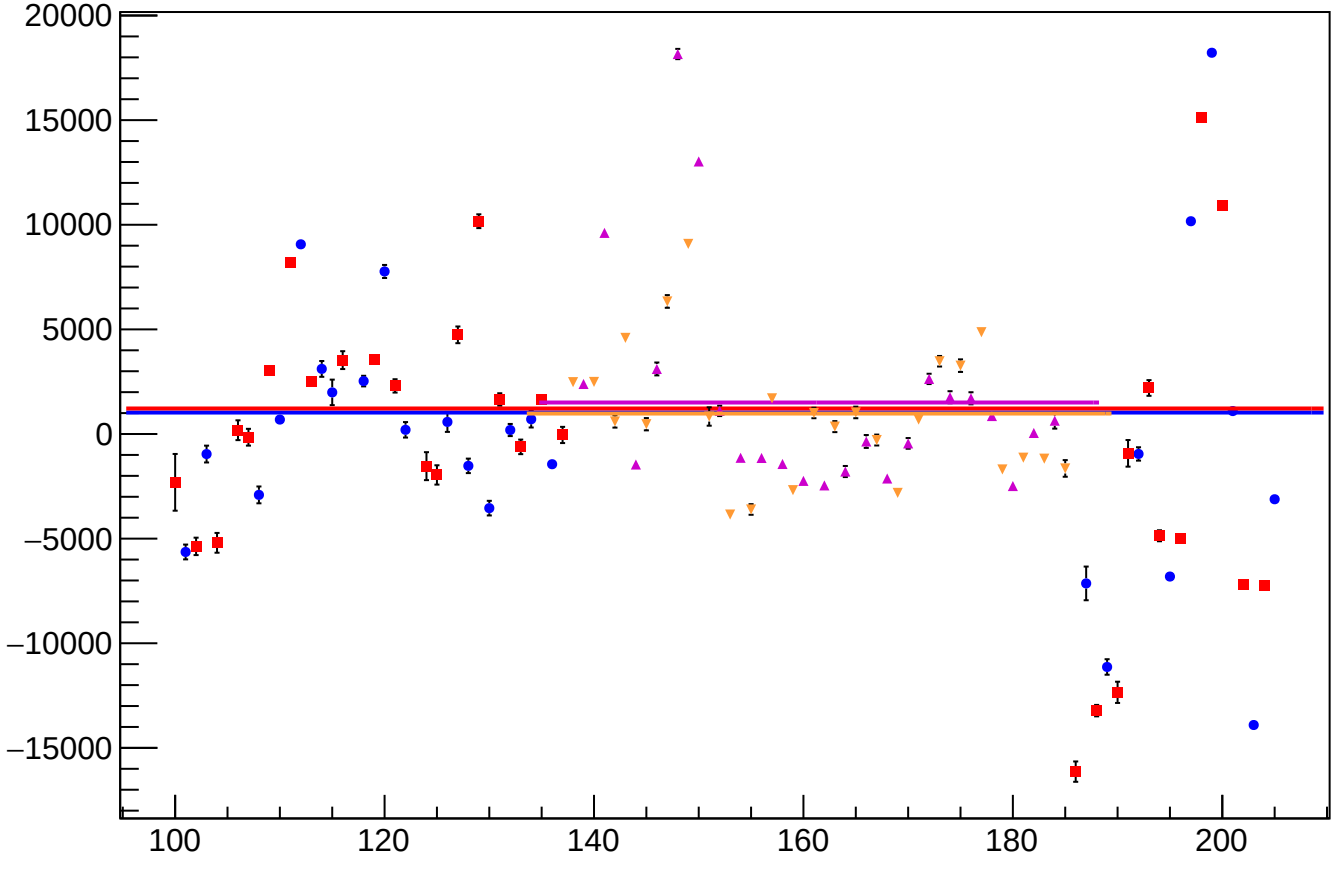
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.651+/-0.023 χ^2/NDF: 1676756.9/49

All: 183.211+/-0.016 χ^2/NDF: 3821701.5/102

- sign 179.149+/-0.022 χ^2/NDF: 2076409.3/52

asym_bpm0i05WS_mean vs Slug



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1219.489+/-51.665 χ^2/NDF: 19713.1/29

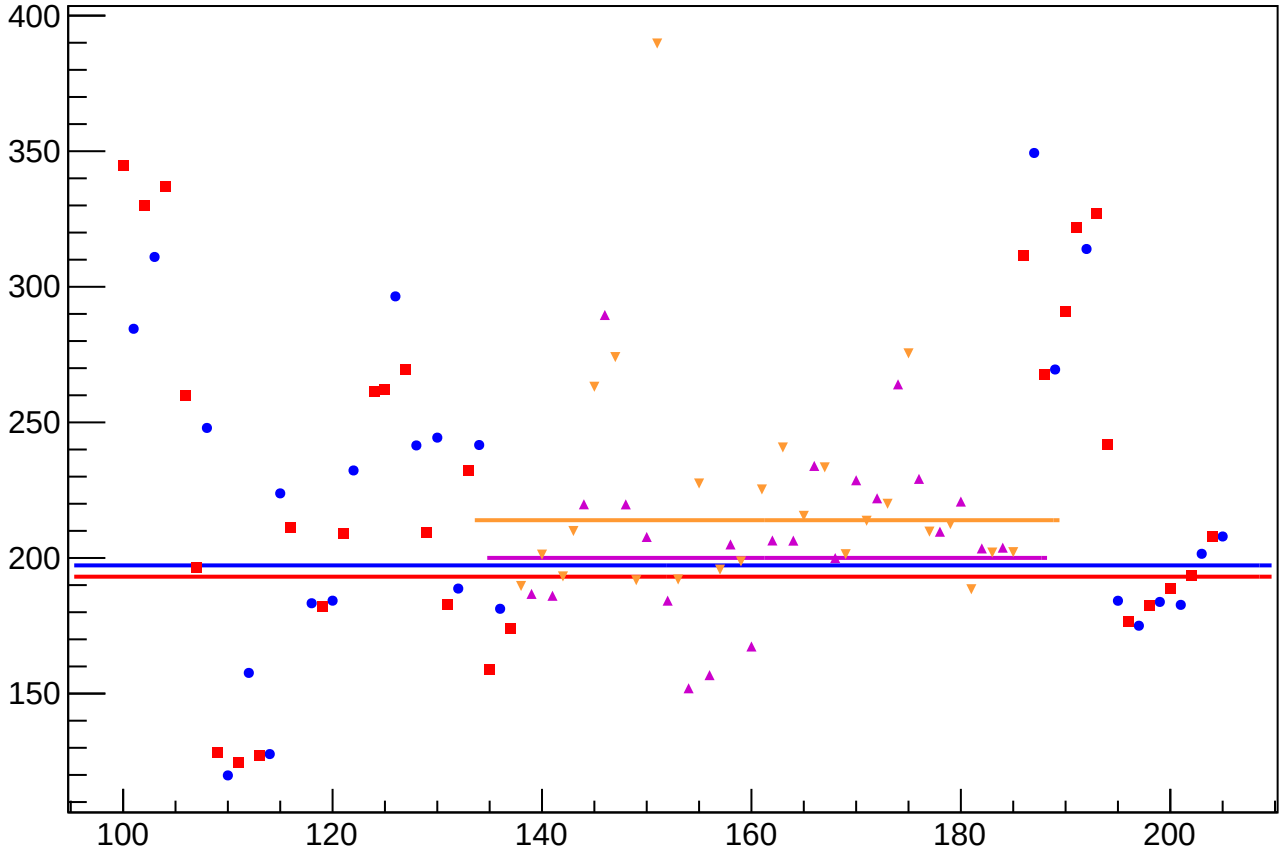
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1000.026+/-36.667 χ^2/NDF: 25026.1/49

All: 1194.007+/-25.387 χ^2/NDF: 56289.9/102

- sign 1372.631+/-35.186 χ^2/NDF: 31210.1/52

asym_bpm0i05WS_rms vs Slug



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

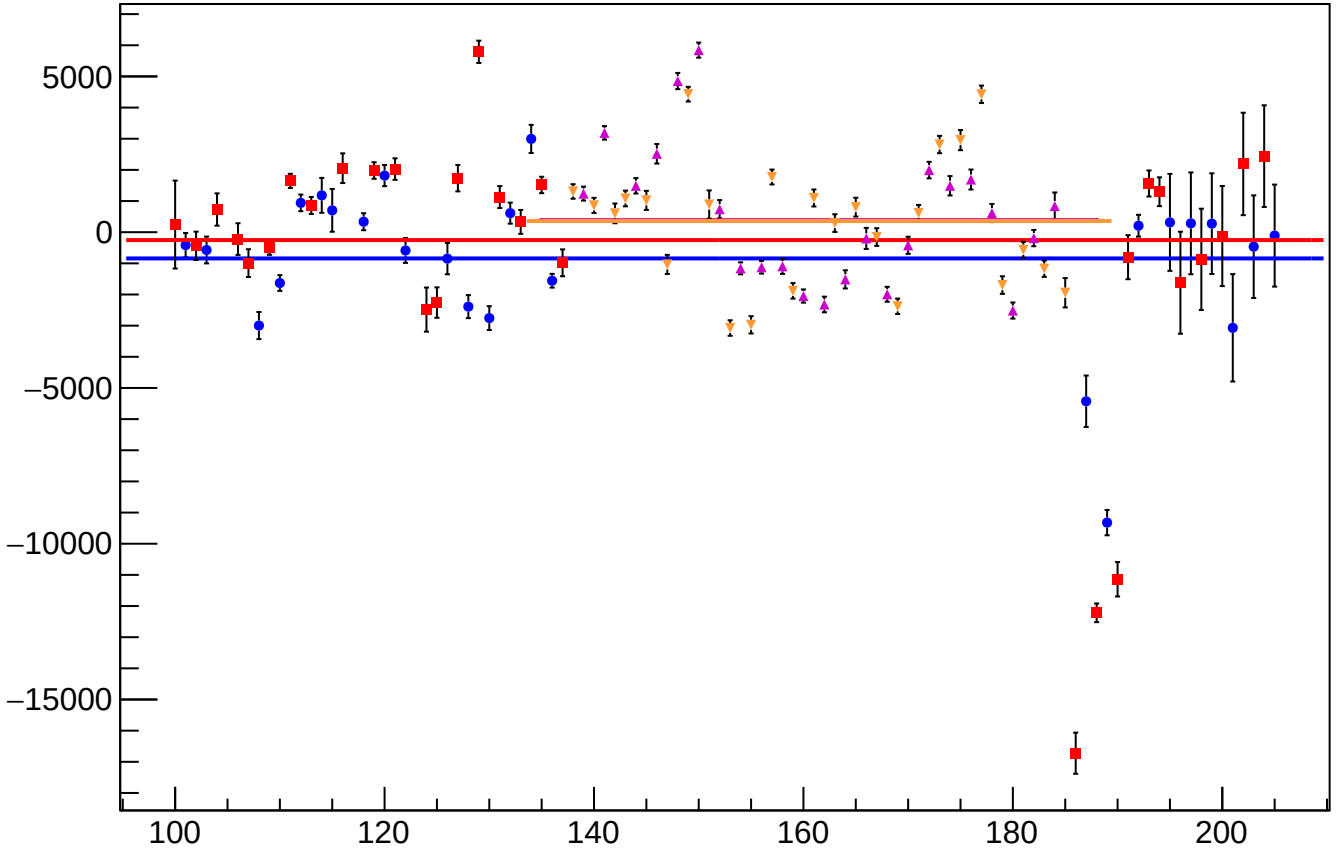
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.371+/-0.026 χ^2/NDF: 2281017.8/49

All: 201.398+/-0.018 χ^2/NDF: 5399628.4/102

- sign 196.819+/-0.025 χ^2/NDF: 3047940.2/52

asym_bpm0i07WS_mean vs Slug



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -253.715+/-73.797 χ^2/NDF: 3273.9/29

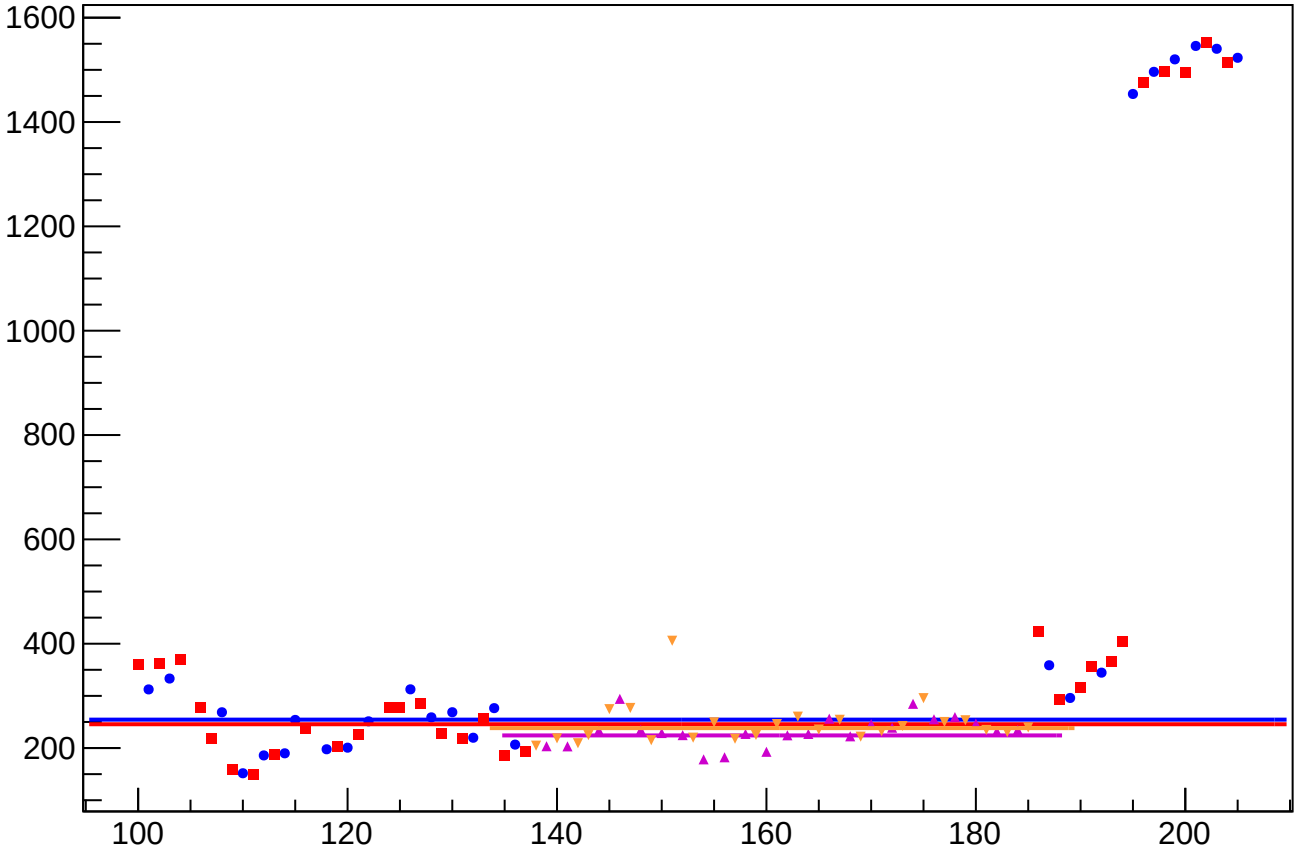
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.723+/-45.565 χ^2/NDF: 2368.0/49

All: 78.796+/-31.399 χ^2/NDF: 7504.0/102

- sign 166.079+/-43.330 χ^2/NDF: 5127.4/52

asym_bpm0i07WS_rms vs Slug



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

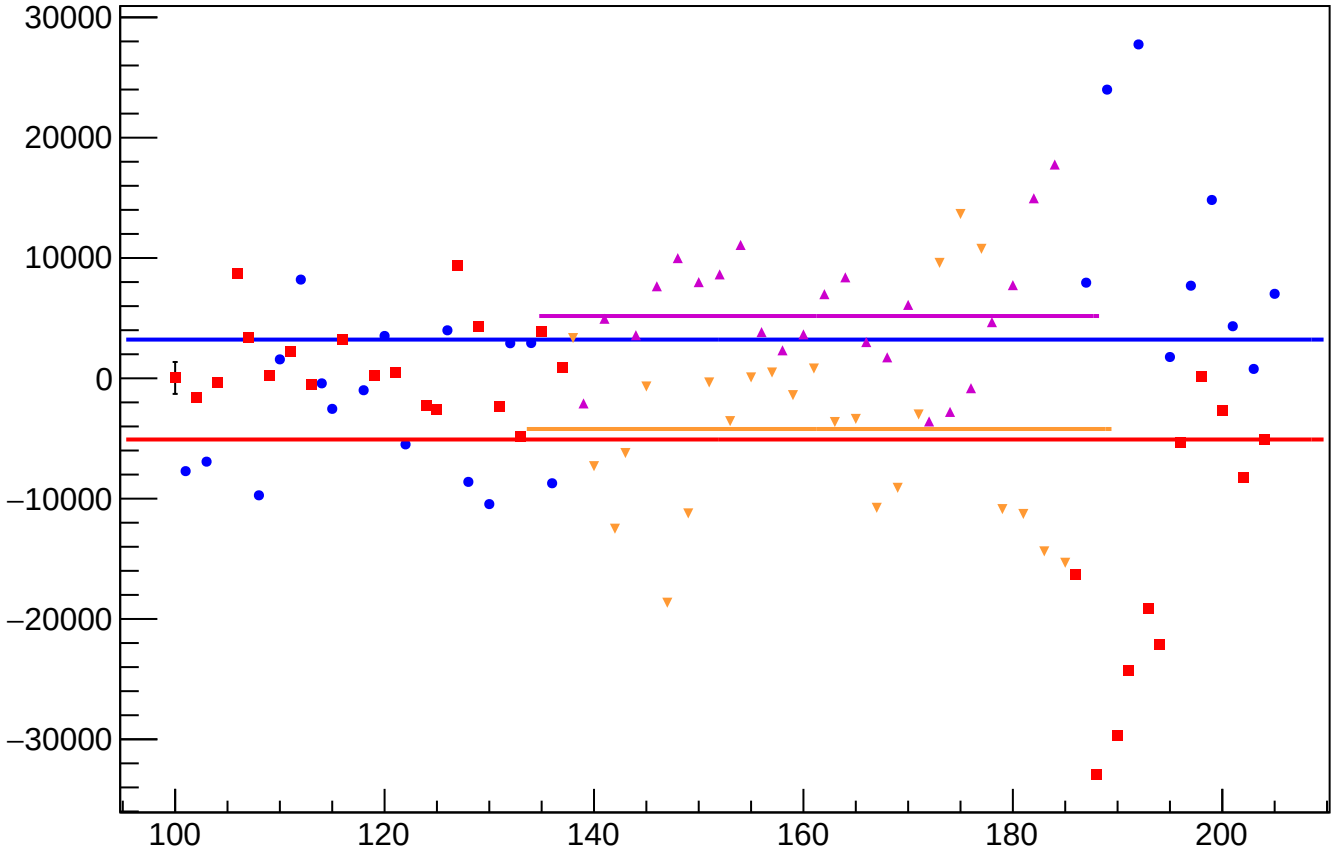
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 243.300+/-0.032 χ^2/NDF: 8808479.4/49

All: 237.154+/-0.022 χ^2/NDF: 17511888.8/10

- sign 231.596+/-0.031 χ^2/NDF: 8634125.2/52

asym_bpm1i02WS_mean vs Slug



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5083.887+/-34.063 χ^2/NDF: 102886.4/29

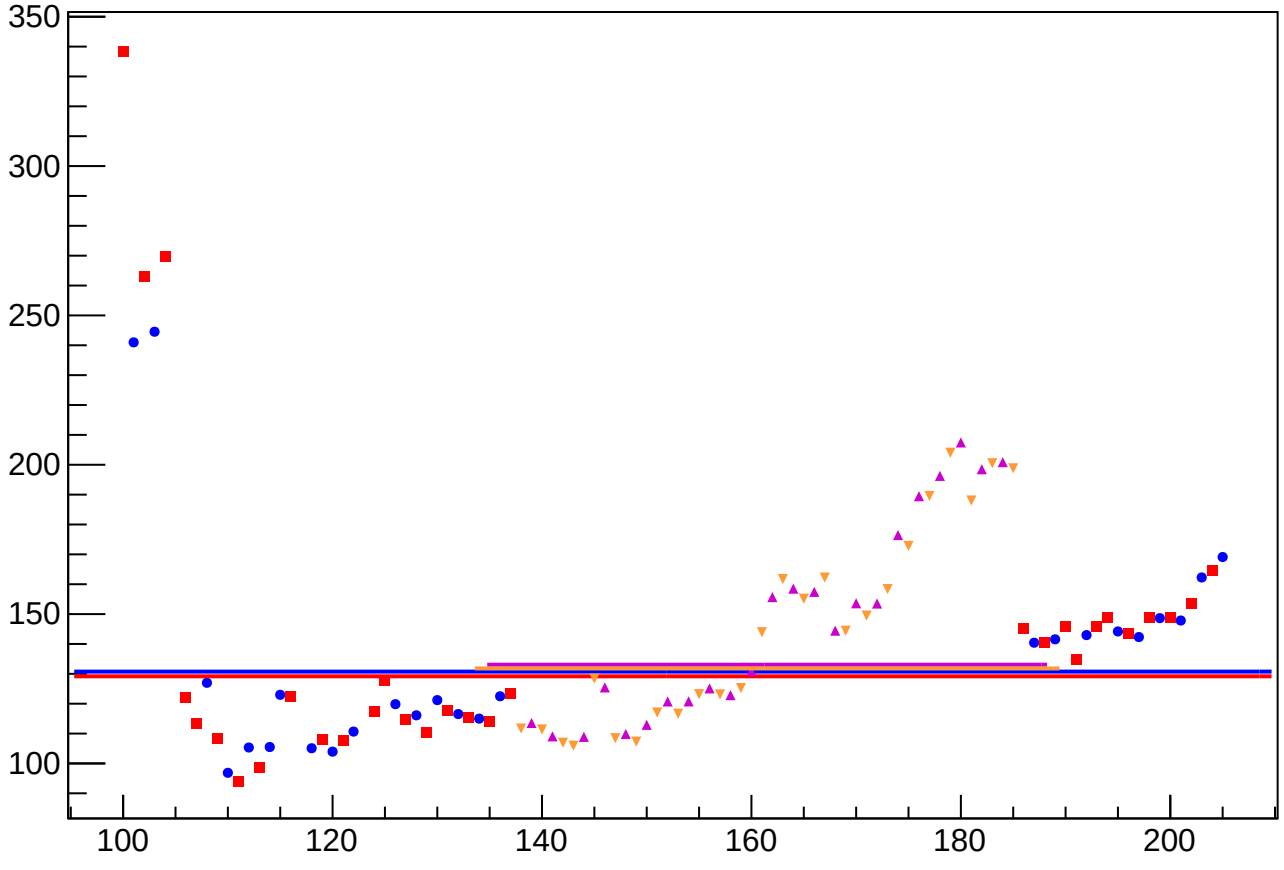
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1081.550+/-23.455 χ^2/NDF: 157573.1/49

All: -350.187+/-16.534 χ^2/NDF: 329189.8/10

- sign 372.188+/-23.311 χ^2/NDF: 169684.1/52

asym_bpm1i02WS_rms vs Slug



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

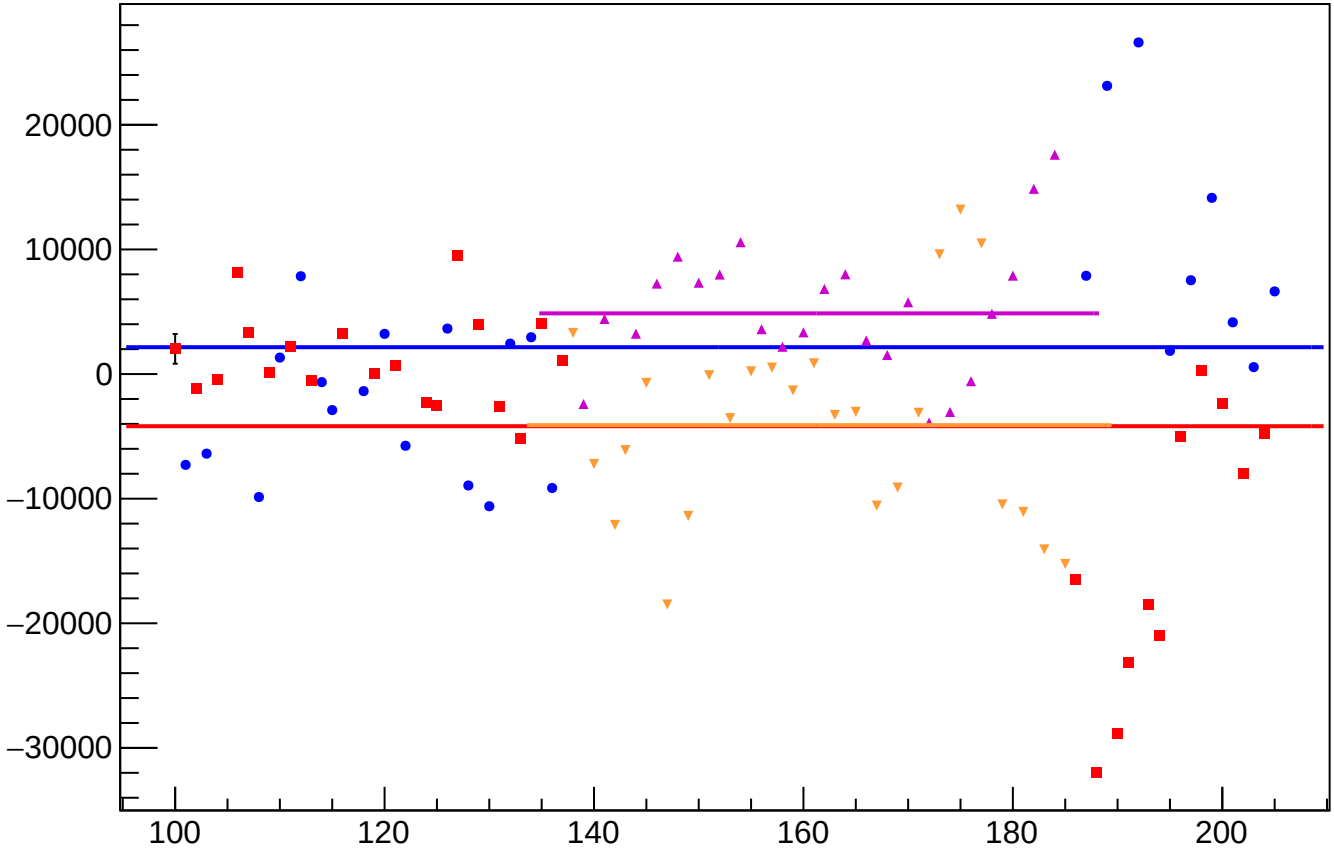
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 131.355+/-0.017 χ^2/NDF: 2666119.7/49

All: 131.296+/-0.012 χ^2/NDF: 5429243.8/102

- sign 131.237+/-0.016 χ^2/NDF: 2763098.7/52

asym_bpm2i01WS_mean vs Slug



Right In: 2155.555+/-32.946 χ^2/NDF: 83250.4/24

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4185.803+/-31.261 χ^2/NDF: 108597.7/29

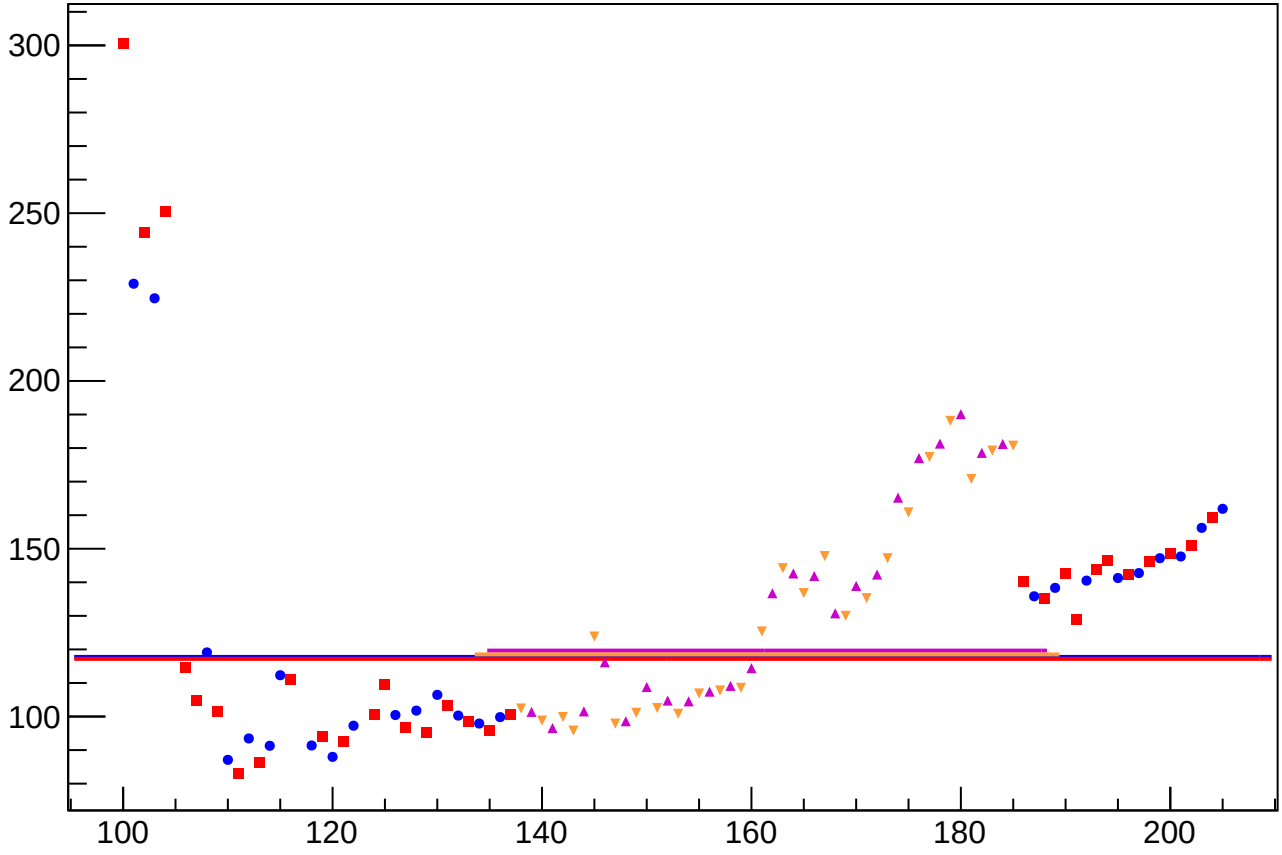
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -1500.814+/-21.234 χ^2/NDF: 170590.9/49

All: -392.358+/-14.997 χ^2/NDF: 351916.0/10

\- sign 710.976+/-21.185 χ^2/NDF: 175887.5/52

asym_bpm2i01WS_rms vs Slug



Right In: 117.763+/-0.023 χ^2/NDF: 1652883.1/24

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 117.192+/-0.022 χ^2/NDF: 1879775.9/29

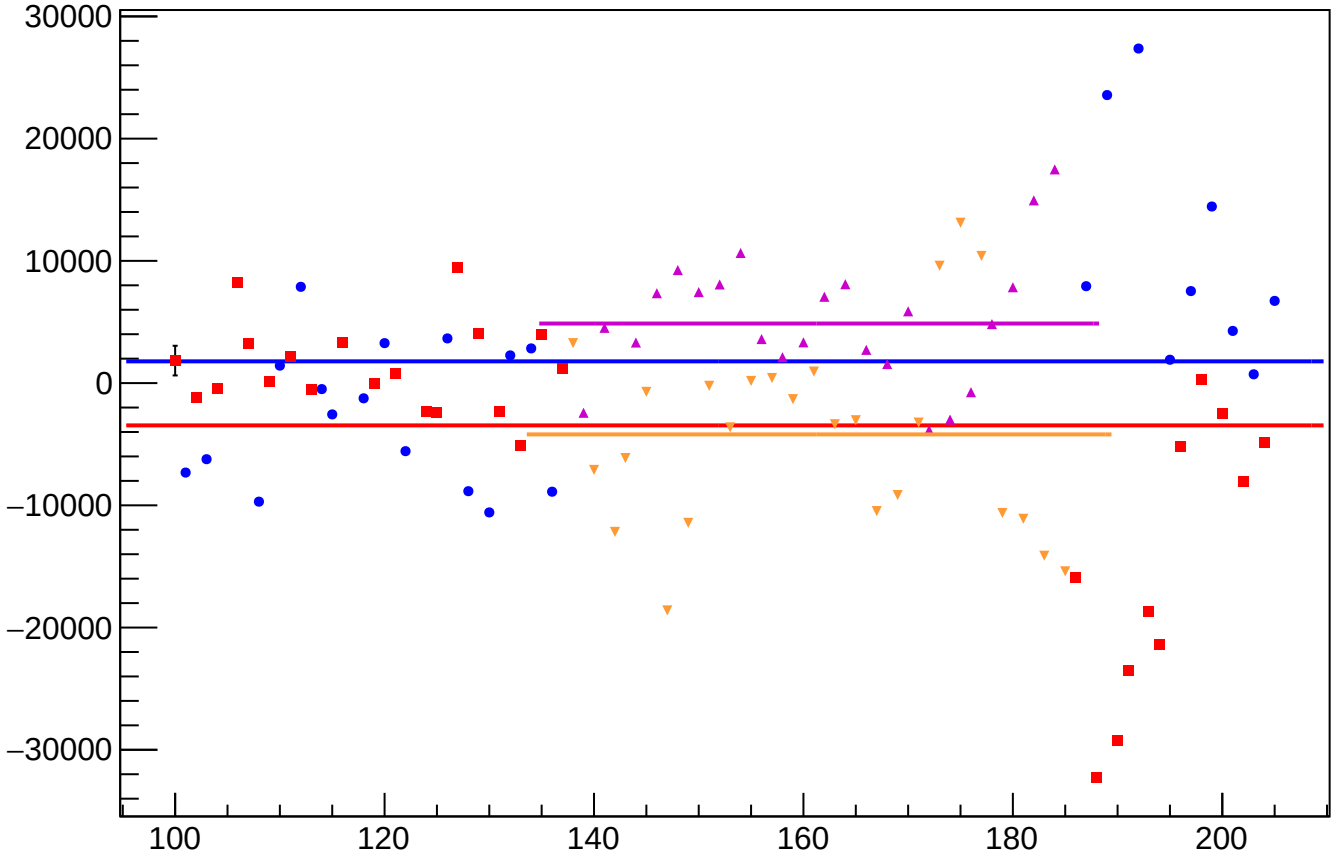
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 118.195+/-0.015 χ^2/NDF: 3280609.3/49

All: 118.357+/-0.011 χ^2/NDF: 6679658.6/102

- sign 118.518+/-0.015 χ^2/NDF: 3398816.9/52

asym_bpm2i02WS_mean vs Slug



Right In: 1779.386+/-32.389 χ^2/NDF: 82141.6/24

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3459.797+/-30.789 χ^2/NDF: 101914.8/29

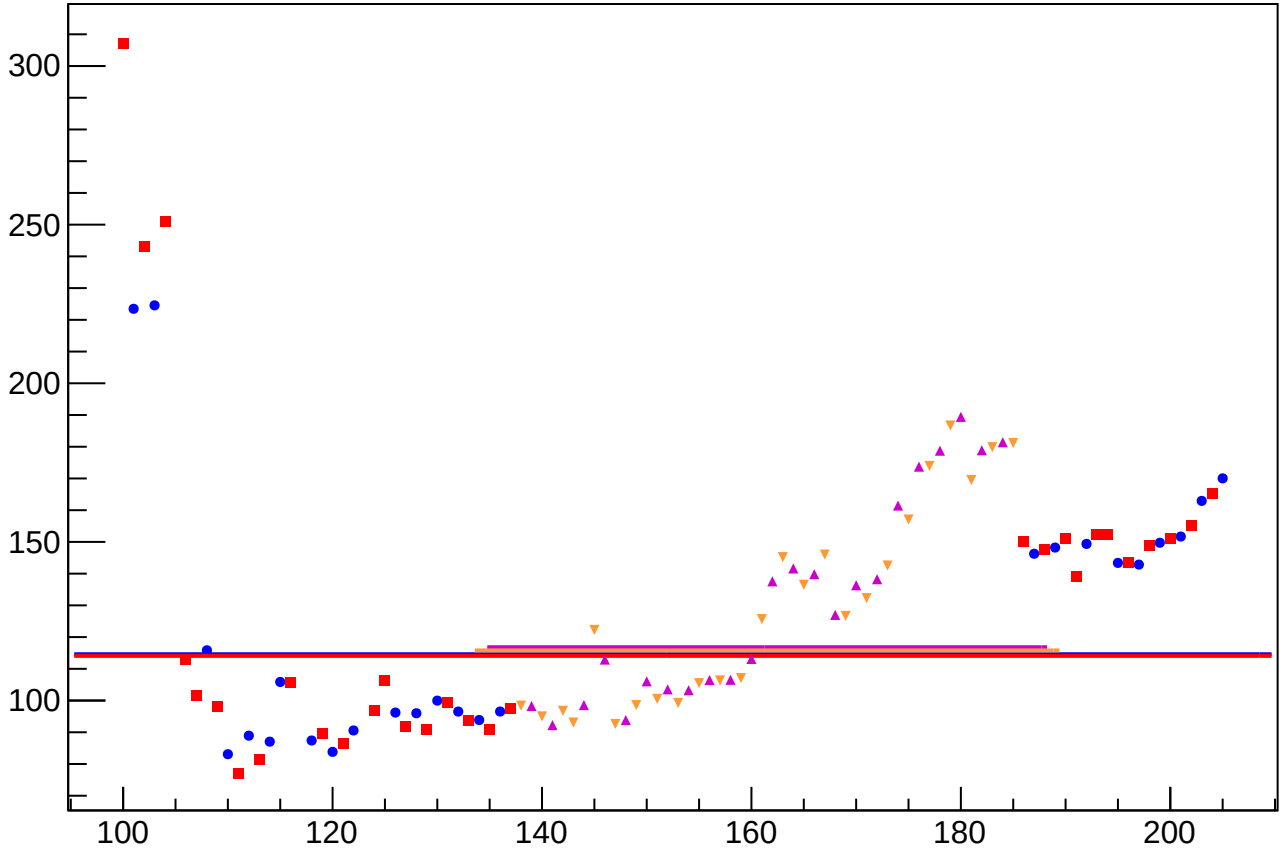
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1724.388+/-20.834 χ^2/NDF: 172519.6/49

All: -323.813+/-14.718 χ^2/NDF: 346213.5/10

- sign 1071.598+/-20.796 χ^2/NDF: 164672.0/52

asym_bpm2i02WS_rms vs Slug



Right In: 114.588+/-0.023 χ^2/NDF: 2077198.3/24

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 114.083+/-0.022 χ^2/NDF: 2443882.8/29

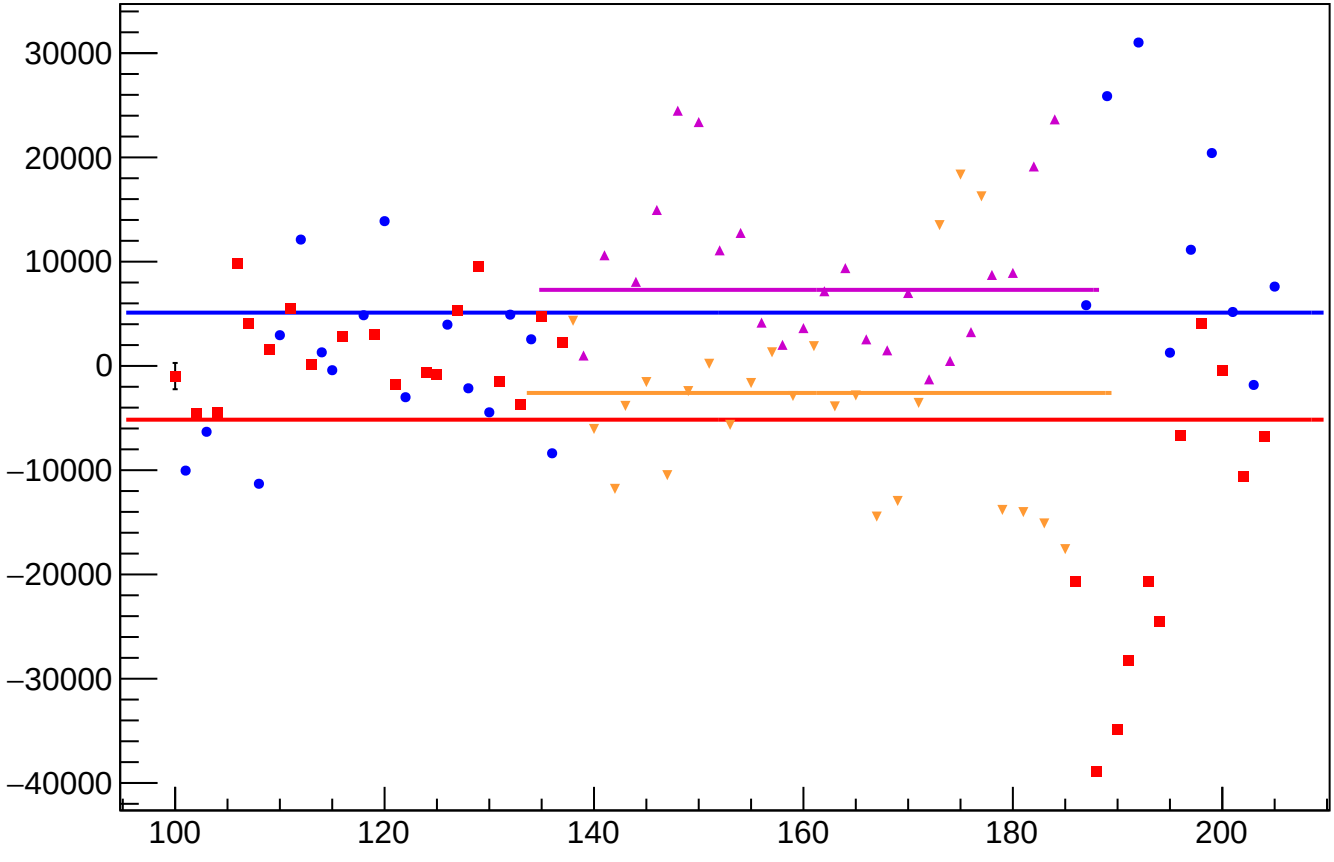
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 115.297+/-0.015 χ^2/NDF: 3827856.8/49

All: 115.431+/-0.010 χ^2/NDF: 7898076.1/102

- sign 115.565+/-0.015 χ^2/NDF: 4070053.8/52

asym_bpm0i01WS_mean vs Slug



Right In: 5111.753+/-43.243 χ^2/NDF: 62589.5/24

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5156.230+/-41.219 χ^2/NDF: 96981.6/29

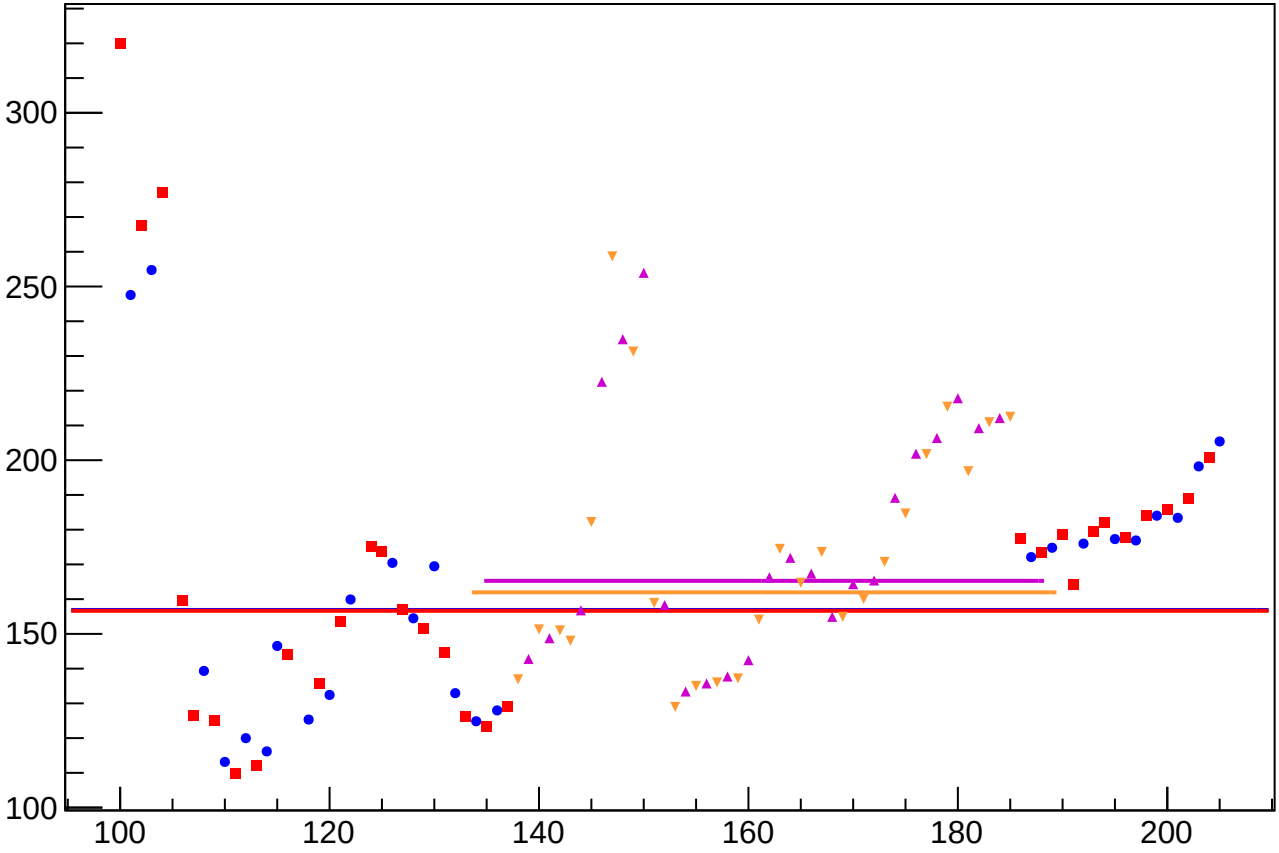
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 729.485+/-28.392 χ^2/NDF: 128636.9/49

All: 1024.684+/-20.131 χ^2/NDF: 298068.6/10

- sign 1323.113+/-28.547 χ^2/NDF: 169214.3/52

asym_bpm0i01WS_rms vs Slug



Right In: 156.887+/-0.031 χ^2/NDF: 1176464.8/24

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 156.653+/-0.029 χ^2/NDF: 1352169.6/29

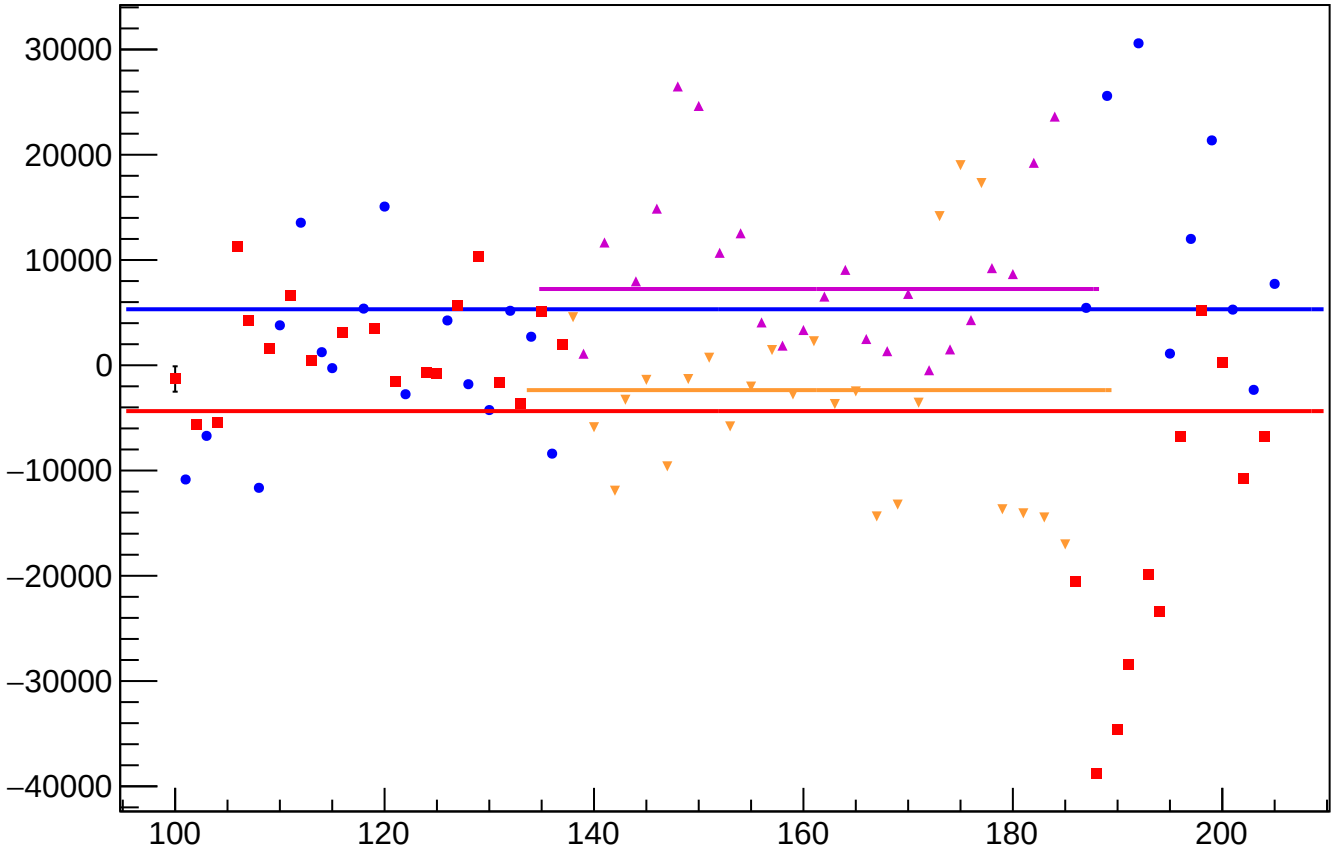
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 159.771+/-0.020 χ^2/NDF: 2336915.0/49

All: 160.451+/-0.014 χ^2/NDF: 4915988.0/102

- sign 161.138+/-0.020 χ^2/NDF: 2576768.2/52

asym_bpm0i01aWS_mean vs Slug



Right In: 5320.879+/-36.668 χ^2/NDF: 87527.8/24

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4355.290+/-34.738 χ^2/NDF: 134612.9/29

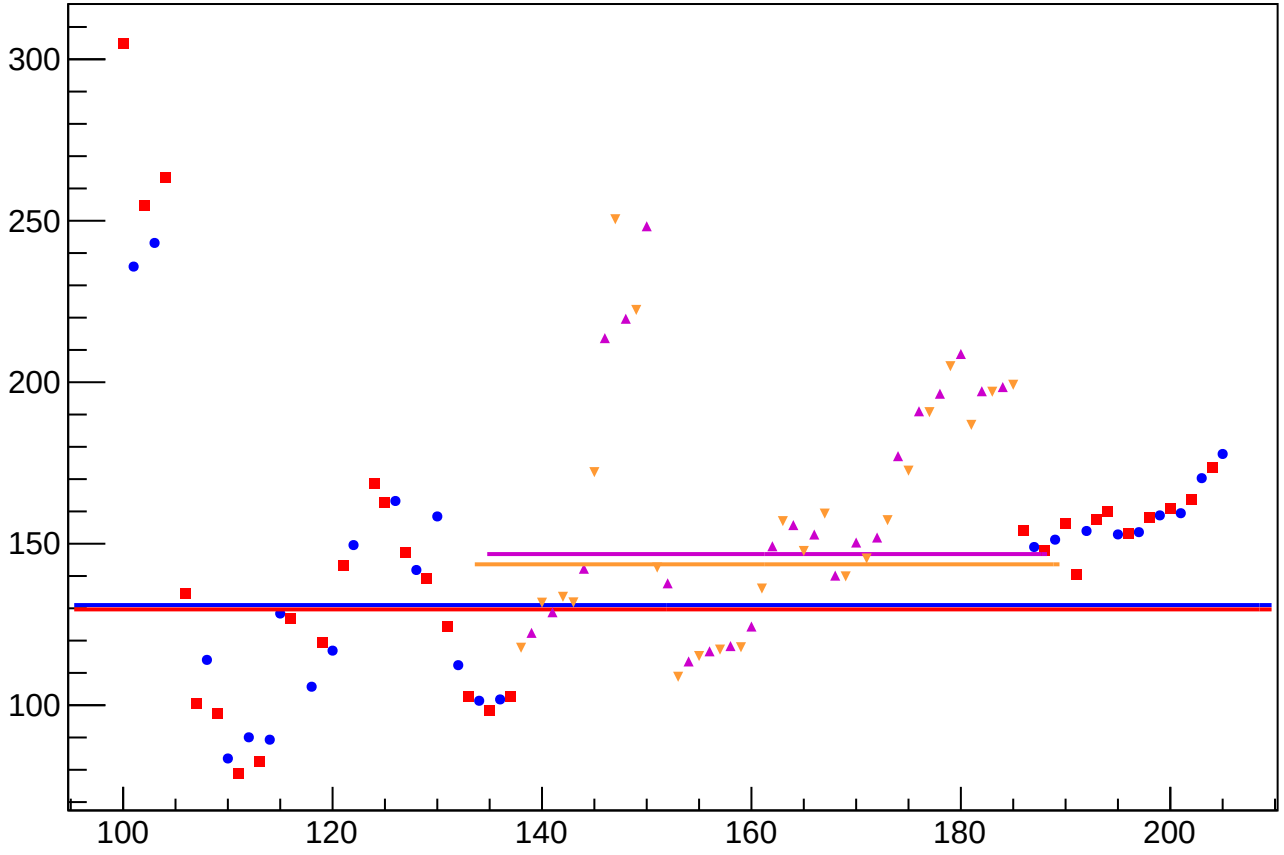
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1154.343+/-24.805 χ^2/NDF: 169897.7/49

All: 1235.960+/-17.549 χ^2/NDF: 389513.7/10

- sign 1317.750+/-24.831 χ^2/NDF: 219594.3/52

asym_bpm0i01aWS_rms vs Slug



Right In: 131.003+/-0.026 χ^2/NDF: 1810646.5/24

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 129.663+/-0.025 χ^2/NDF: 2171379.4/29

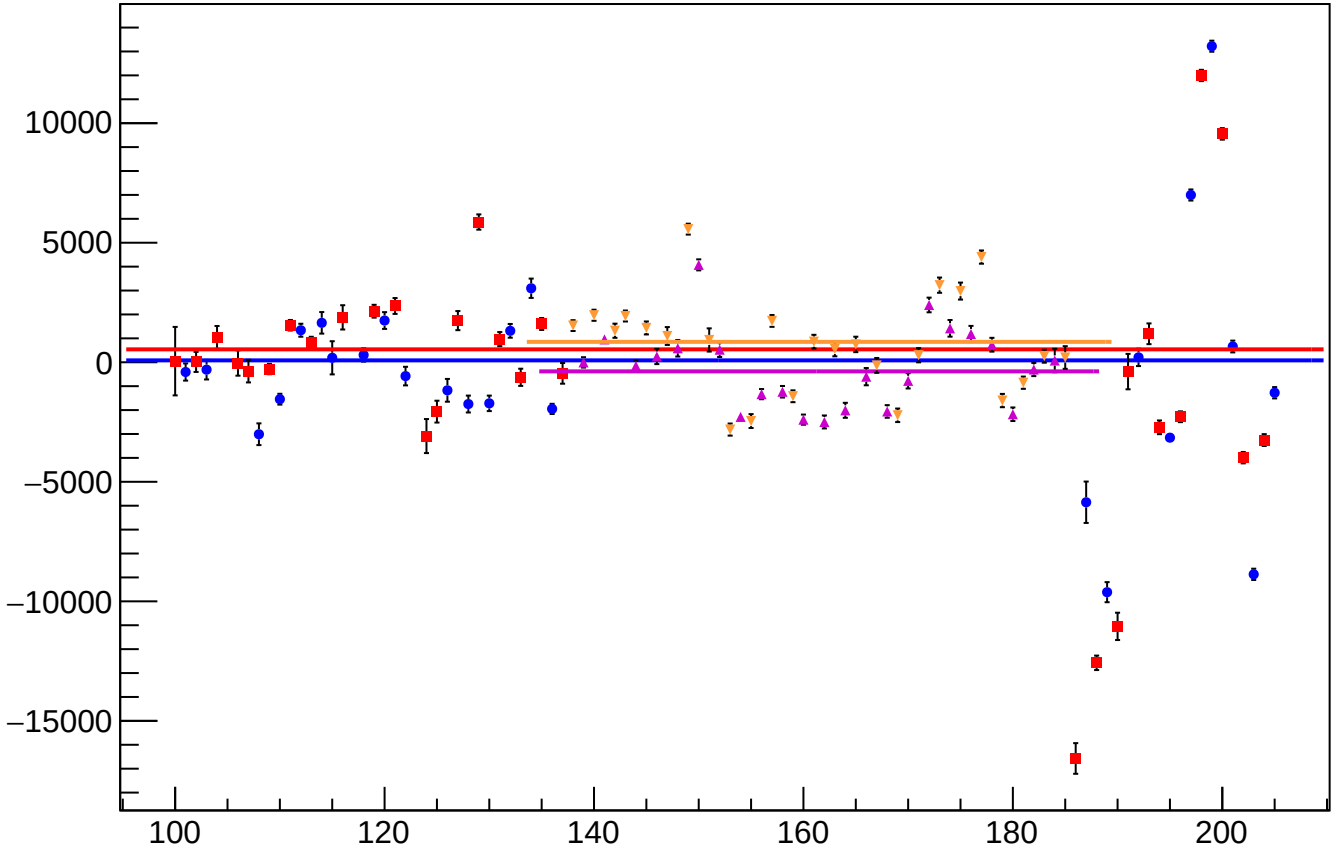
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 137.848+/-0.018 χ^2/NDF: 3601947.3/49

All: 137.944+/-0.012 χ^2/NDF: 7705748.9/102

- sign 138.041+/-0.018 χ^2/NDF: 4103741.1/52

asym_bpm0l01WS_mean vs Slug



Right In: 79.343+/-60.308 χ^2/NDF: 6798.5/24

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 540.316+/-58.154 χ^2/NDF: 8148.4/29

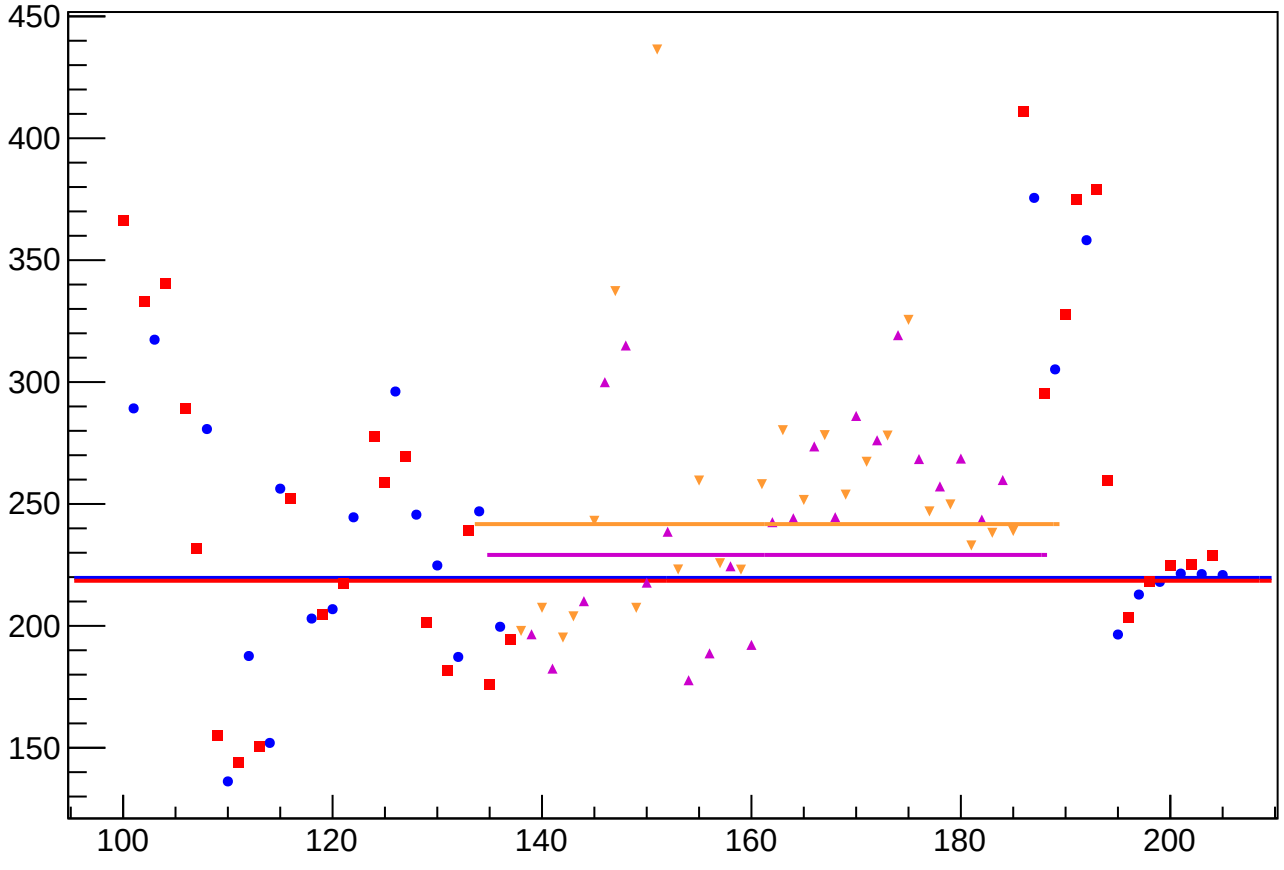
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

\+ sign 493.655+/-41.129 χ^2/NDF: 8330.6/49

All: 268.385+/-28.679 χ^2/NDF: 17651.9/102

\- sign 55.198+/-40.011 χ^2/NDF: 9263.0/52

asym_bpm0l01WS_rms vs Slug



Right In: 219.667+/-0.043 χ^2/NDF: 1171405.8/24

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.509+/-0.041 χ^2/NDF: 1908850.2/29

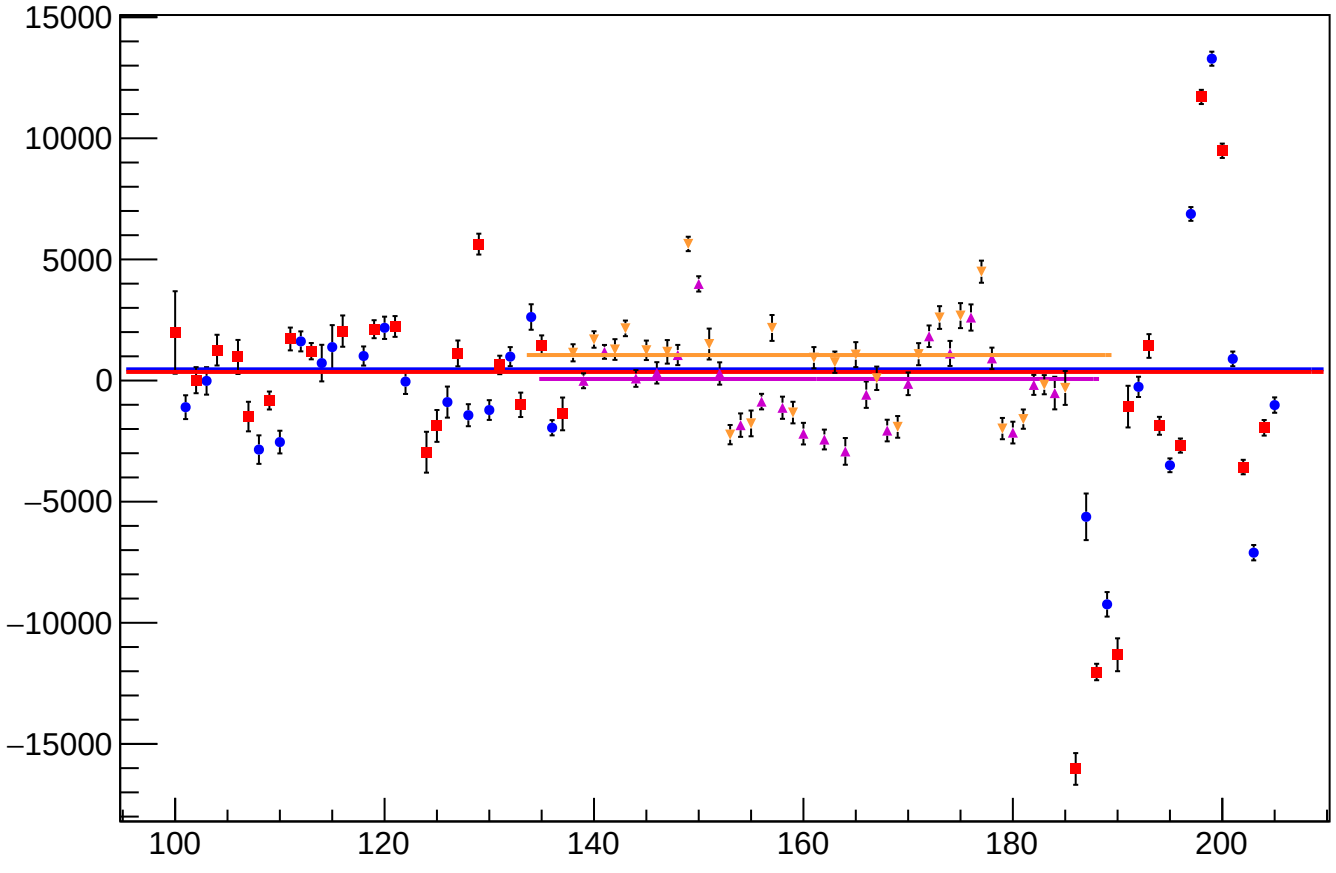
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 231.477+/-0.029 χ^2/NDF: 2301184.8/49

All: 227.681+/-0.020 χ^2/NDF: 5347110.3/102

- sign 224.088+/-0.028 χ^2/NDF: 3012766.4/52

asym_bpm0l02WS_mean vs Slug



Right In: 462.842+/-81.686 χ^2/NDF: 3879.8/24

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 355.650+/-79.094 χ^2/NDF: 5371.2/29

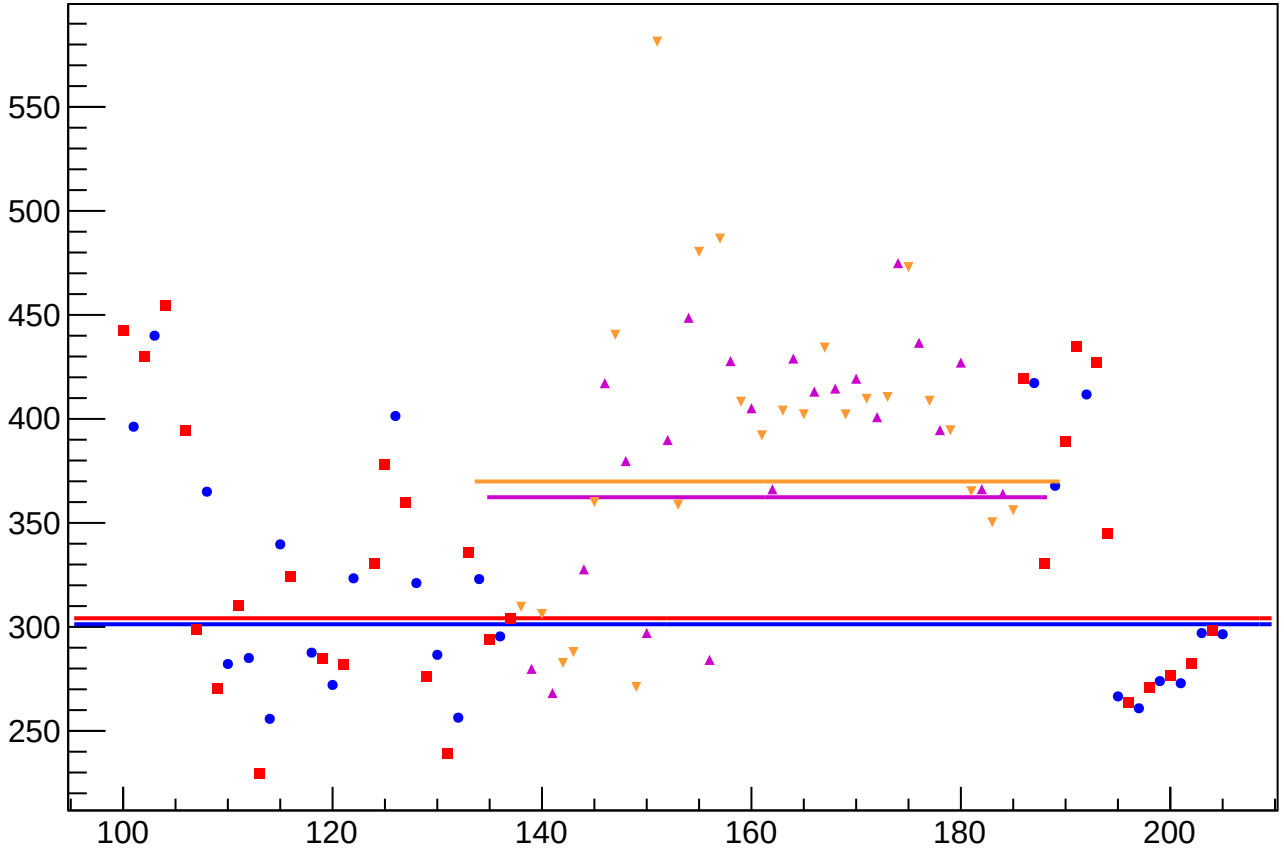
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

\+ sign 743.273+/-59.193 χ^2/NDF: 4519.2/49

All: 479.922+/-41.580 χ^2/NDF: 10330.1/102

\- sign 223.403+/-58.420 χ^2/NDF: 5771.7/52

asym_bpm0l02WS_rms vs Slug



Right In: 301.273+/-0.058 χ^2/NDF: 643390.7/24

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.166+/-0.056 χ^2/NDF: 916620.0/29

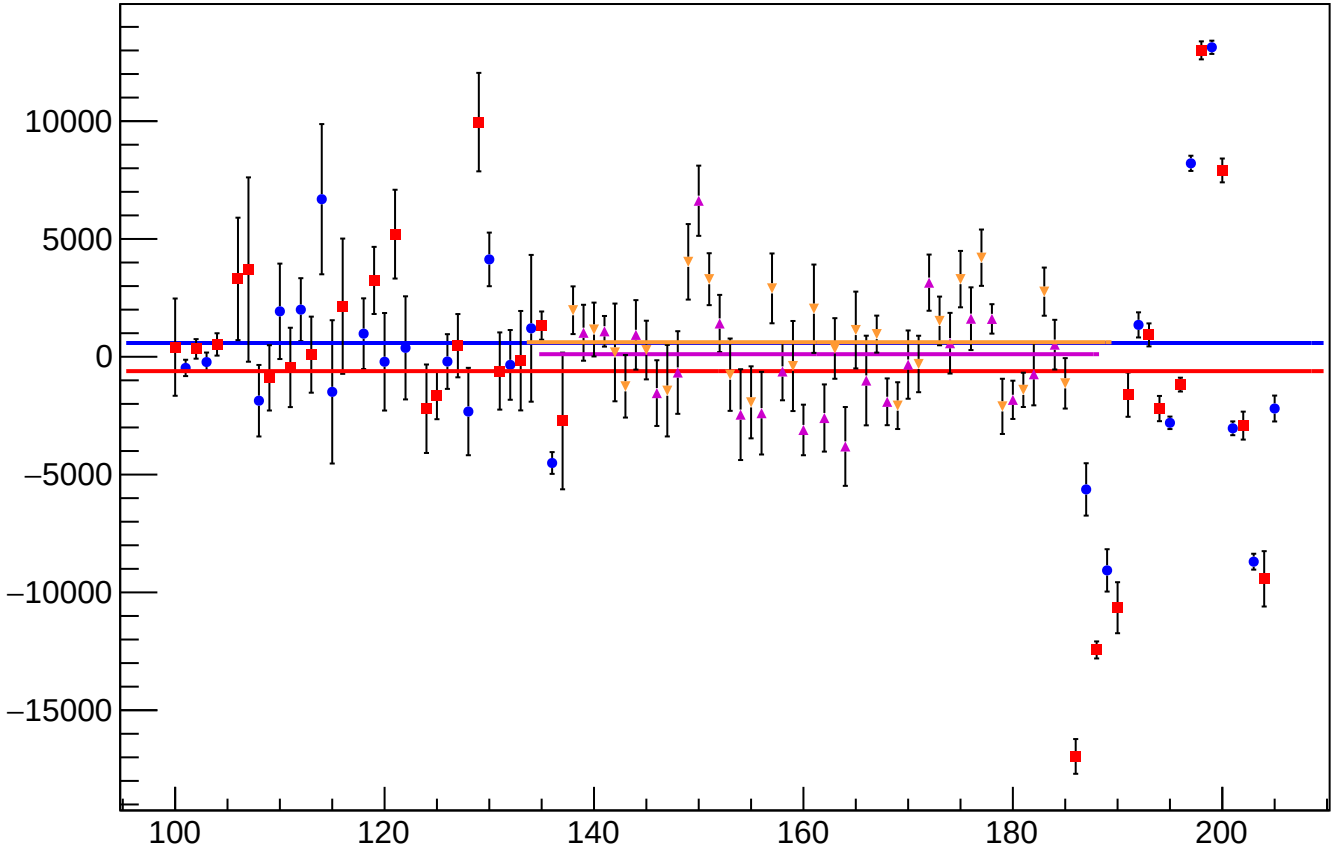
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 333.875+/-0.042 χ^2/NDF: 2544534.3/49

All: 332.218+/-0.029 χ^2/NDF: 5009354.5/102

- sign 330.603+/-0.041 χ^2/NDF: 2461725.5/52

asym_bpm0l03WS_mean vs Slug



Right In: 584.722+/-105.619 χ^2/NDF: 3955.1/24

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -609.304+/-125.491 χ^2/NDF: 3369.2/29

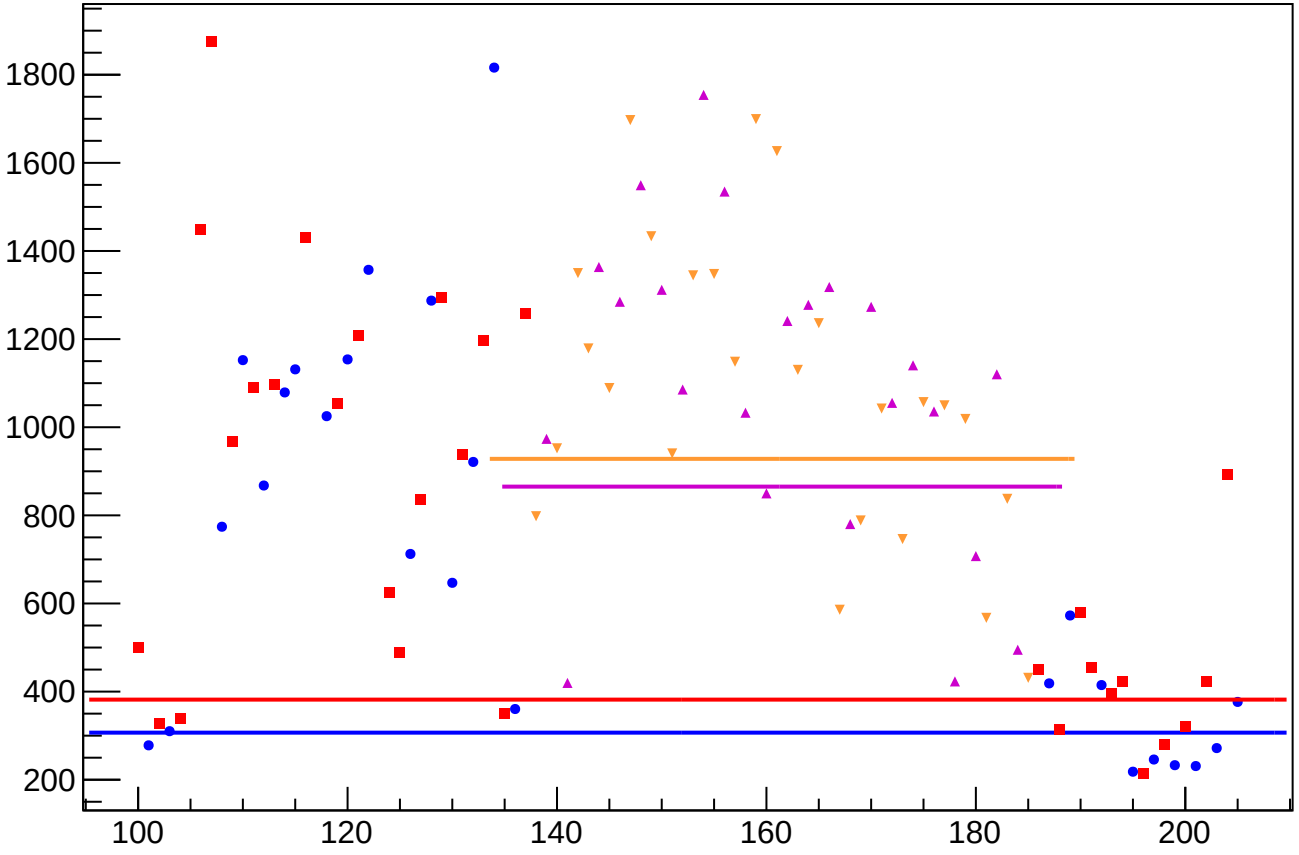
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 590.280+/-96.550 χ^2/NDF: 4020.8/49

All: 140.973+/-72.844 χ^2/NDF: 7519.1/102

- sign -452.756+/-110.988 χ^2/NDF: 3448.0/52

asym_bpm0l03WS_rms vs Slug



Right In: 306.859+/-0.075 χ^2/NDF: 5144496.2/24

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.820+/-0.089 χ^2/NDF: 5665289.6/29

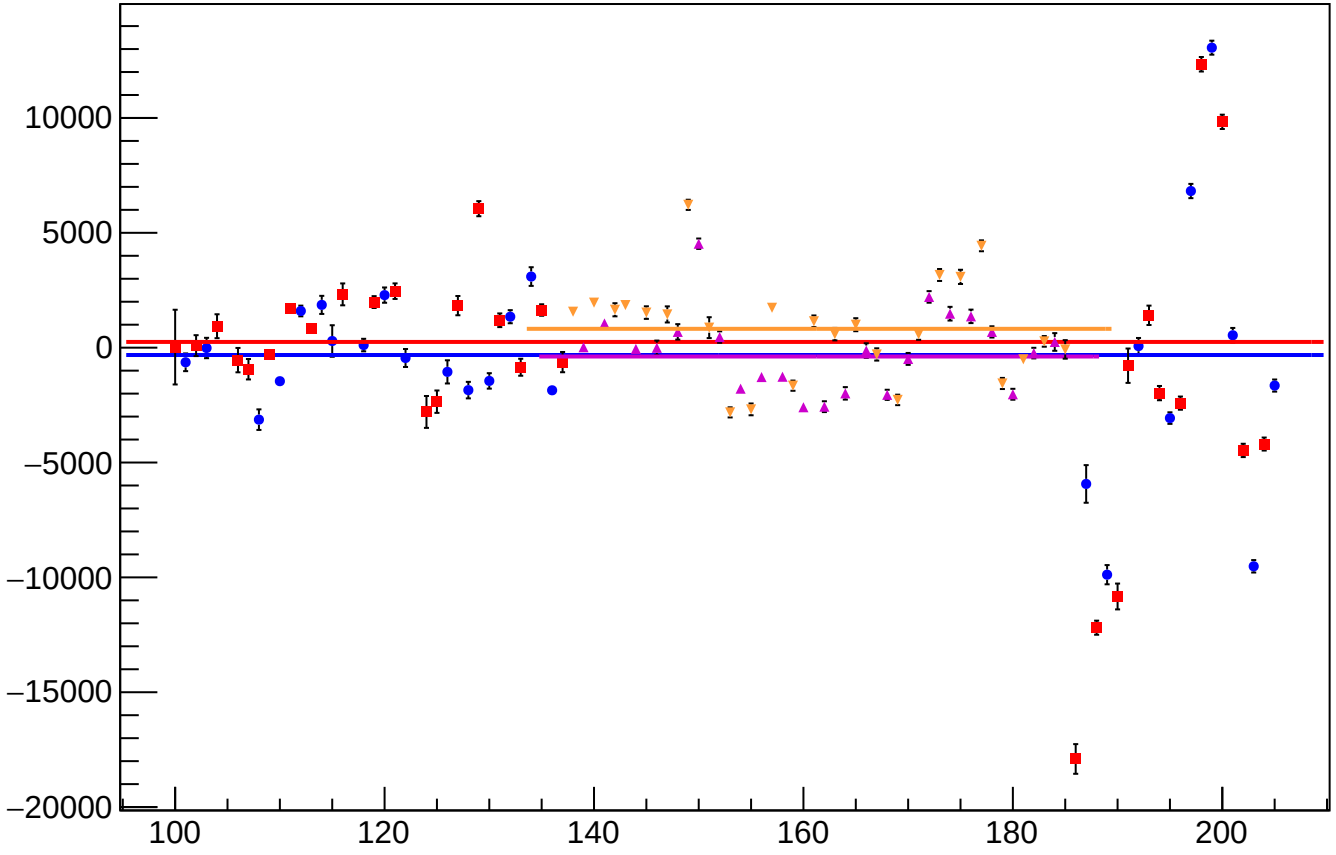
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 408.991+/-0.068 χ^2/NDF: 19817103.2/49

All: 442.637+/-0.052 χ^2/NDF: 37302154.5/10

- sign 487.098+/-0.078 χ^2/NDF: 16921225.6/52

asym_bpm0l04WS_mean vs Slug



Right In: -319.324+/-63.664 χ^2/NDF: 4753.7/24

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 249.840+/-59.962 χ^2/NDF: 6513.3/29

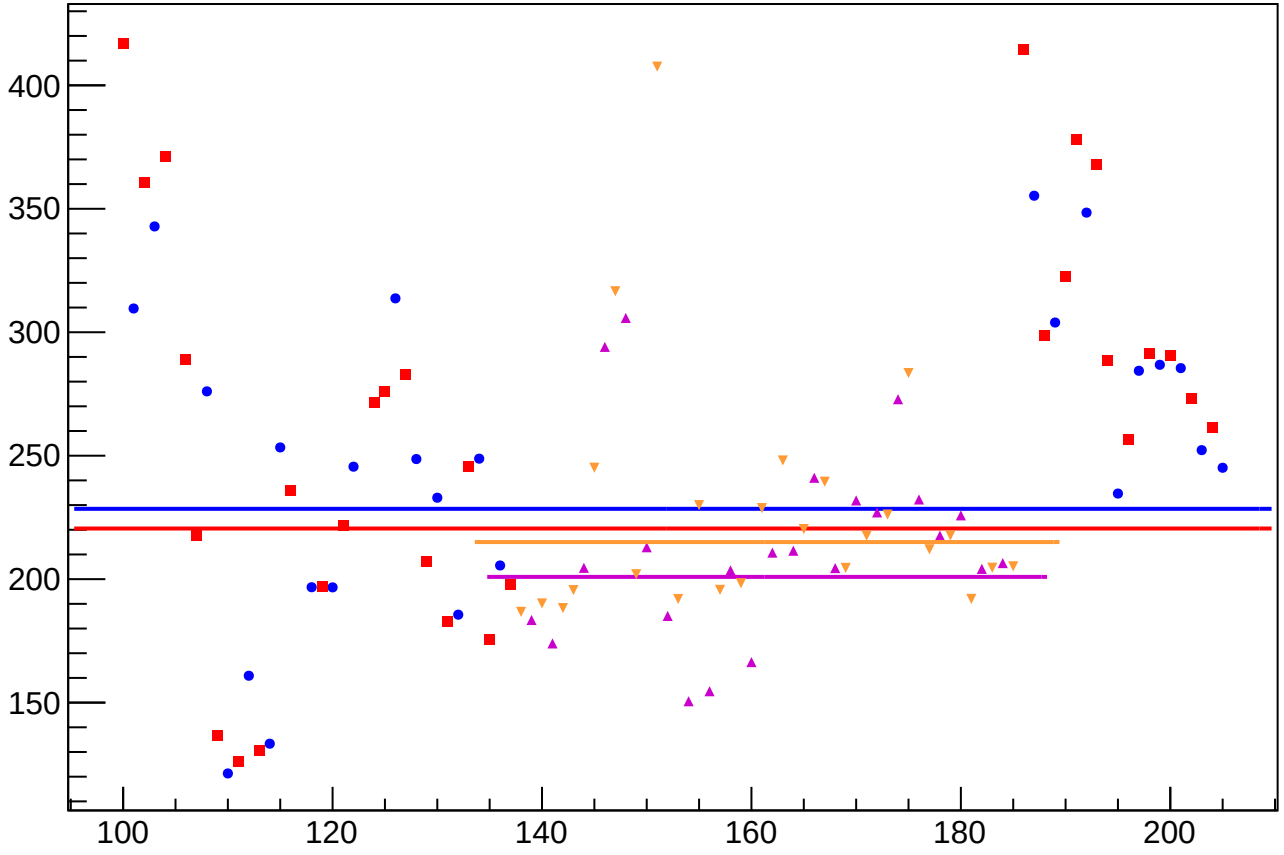
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 385.896+/-39.320 χ^2/NDF: 6942.9/49

All: 114.818+/-27.208 χ^2/NDF: 14868.5/102

- sign -134.211+/-37.687 χ^2/NDF: 7834.4/52

asym_bpm0l04WS_rms vs Slug



Right In: 228.484+/-0.045 χ^2/NDF: 1845157.7/24

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 220.510+/-0.042 χ^2/NDF: 3071197.0/29

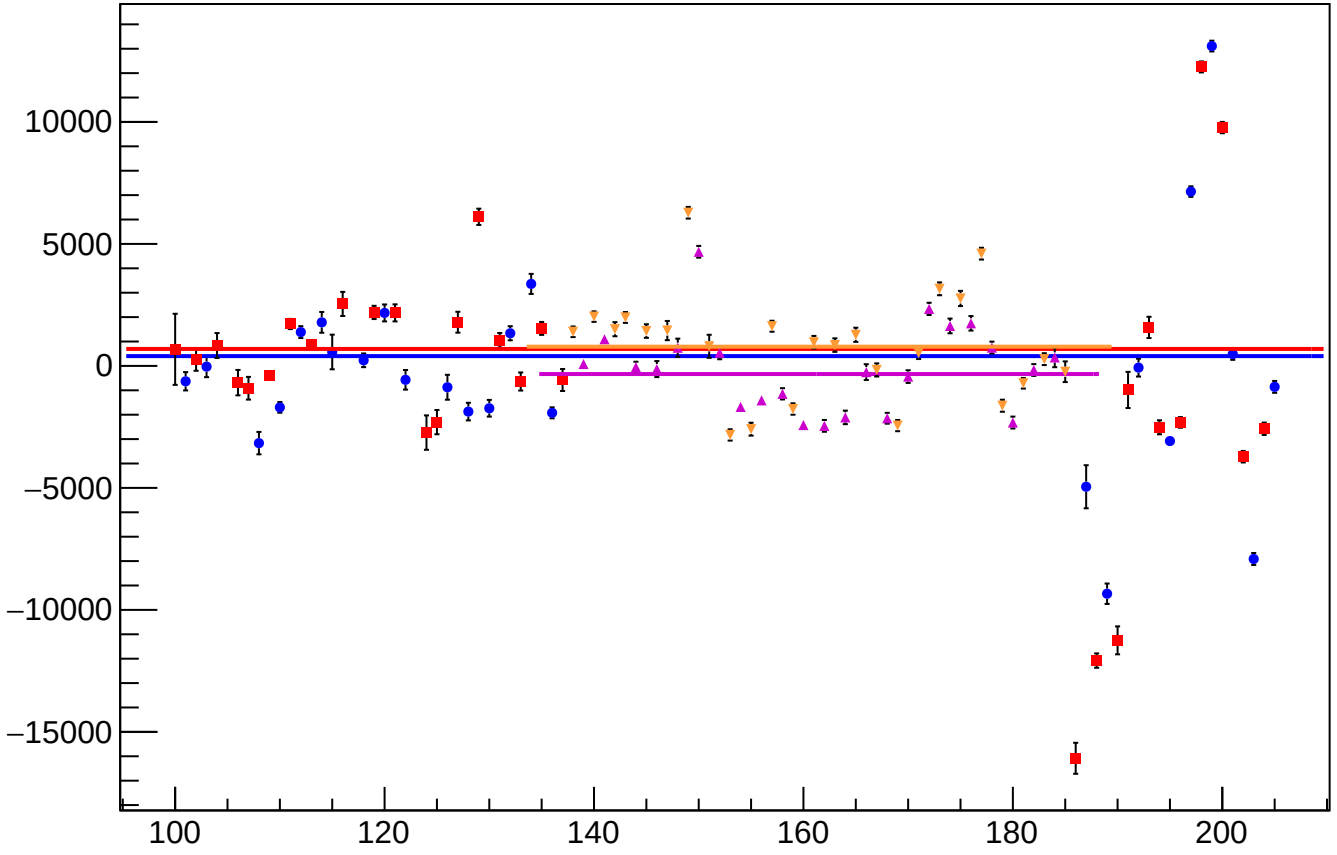
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 220.160+/-0.028 χ^2/NDF: 2798226.1/49

All: 214.165+/-0.019 χ^2/NDF: 7193662.3/102

- sign 208.657+/-0.027 χ^2/NDF: 4306218.7/52

asym_bpm0l05WS_mean vs Slug



Right In: 401.647+/-59.935 χ^2/NDF: 6778.1/24

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 696.014+/-57.511 χ^2/NDF: 8495.8/29

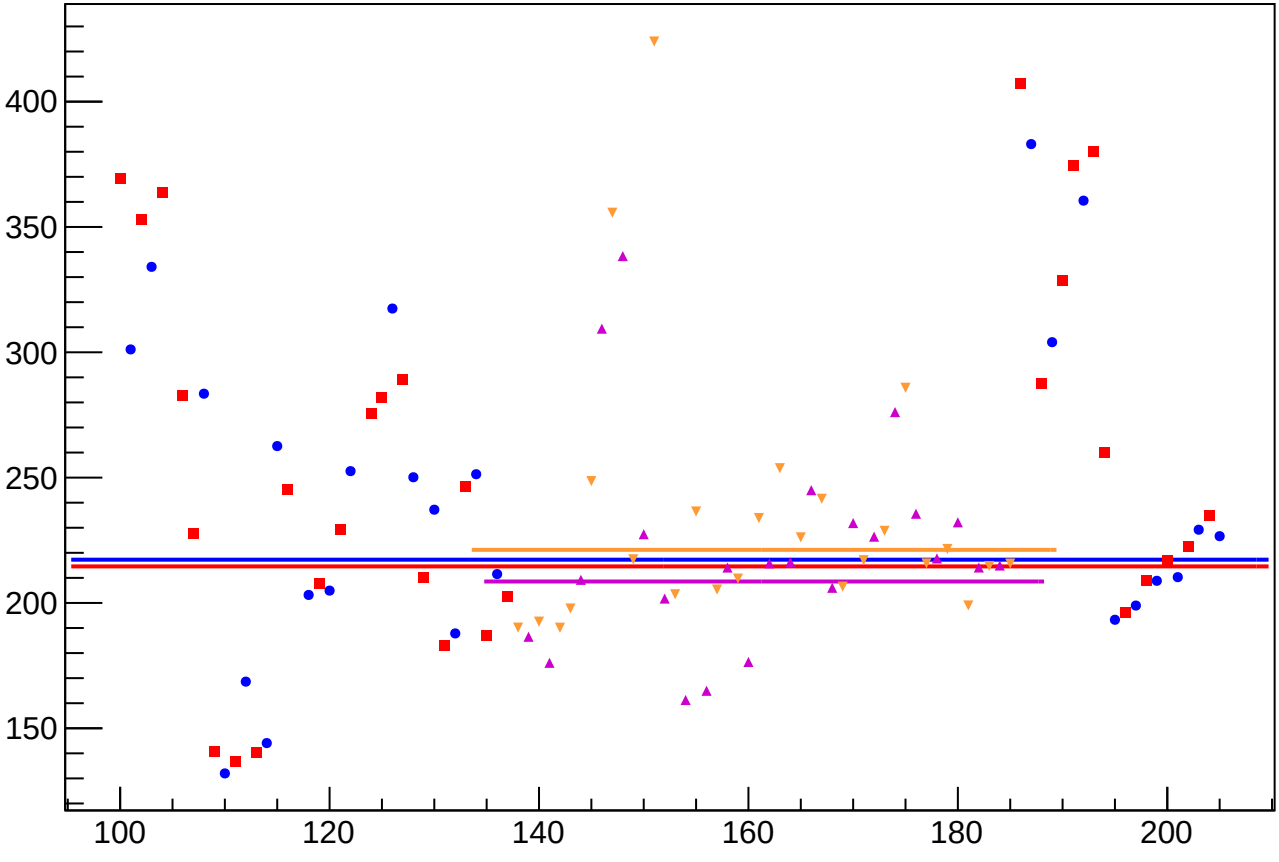
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 624.241+/-39.028 χ^2/NDF: 8692.2/49

All: 359.924+/-27.158 χ^2/NDF: 18674.0/102

- sign 111.753+/-37.817 χ^2/NDF: 9892.9/52

asym_bpm0l05WS_rms vs Slug



Right In: 217.260+/-0.042 χ^2/NDF: 1410514.9/24

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.580+/-0.041 χ^2/NDF: 2264936.8/29

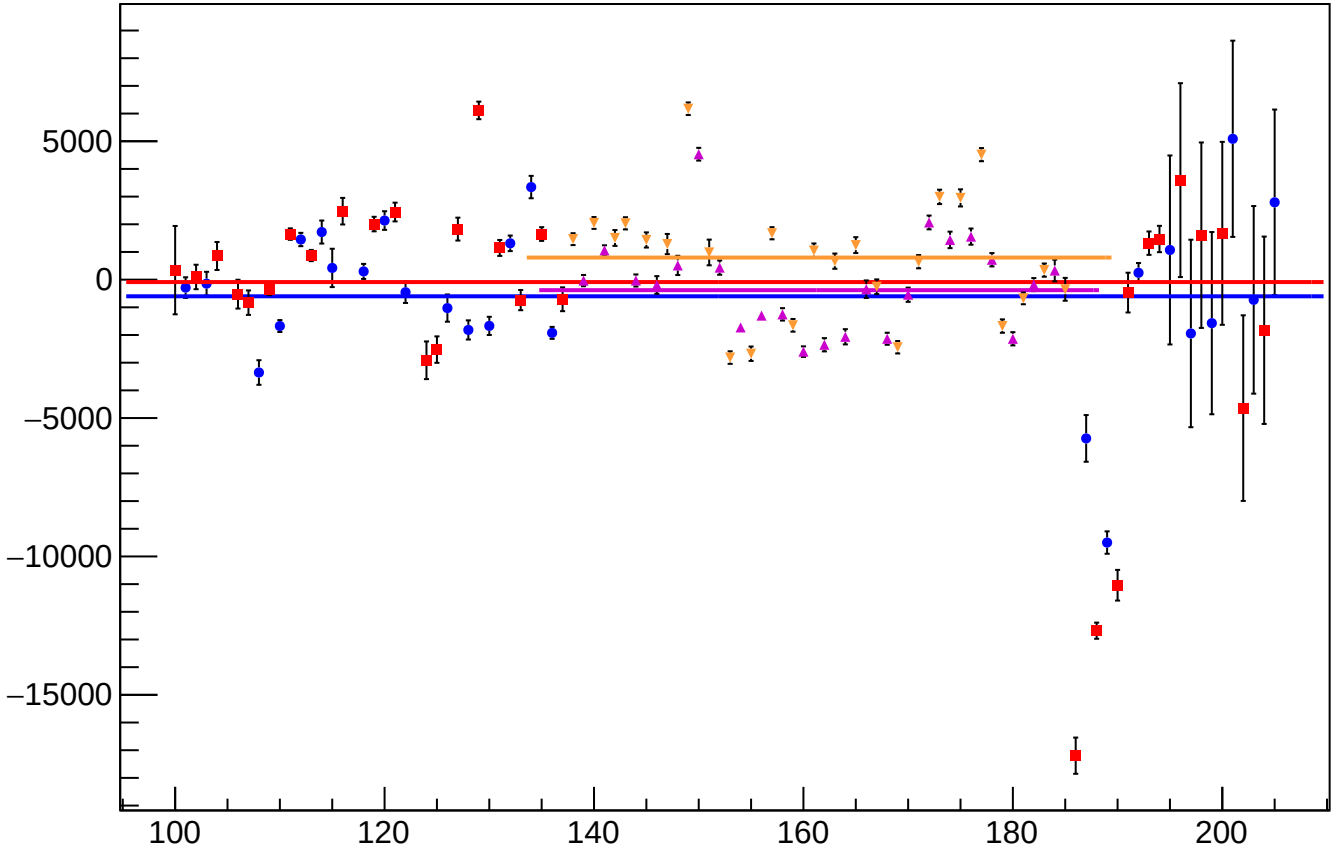
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.521+/-0.028 χ^2/NDF: 2354976.6/49

All: 215.209+/-0.019 χ^2/NDF: 5715336.9/102

- sign 211.161+/-0.027 χ^2/NDF: 3313028.9/52

asym_bpm0l06WS_mean vs Slug



Right In: -601.619+/-76.378 χ^2/NDF: 980.6/24

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -87.534+/-68.115 χ^2/NDF: 3733.9/29

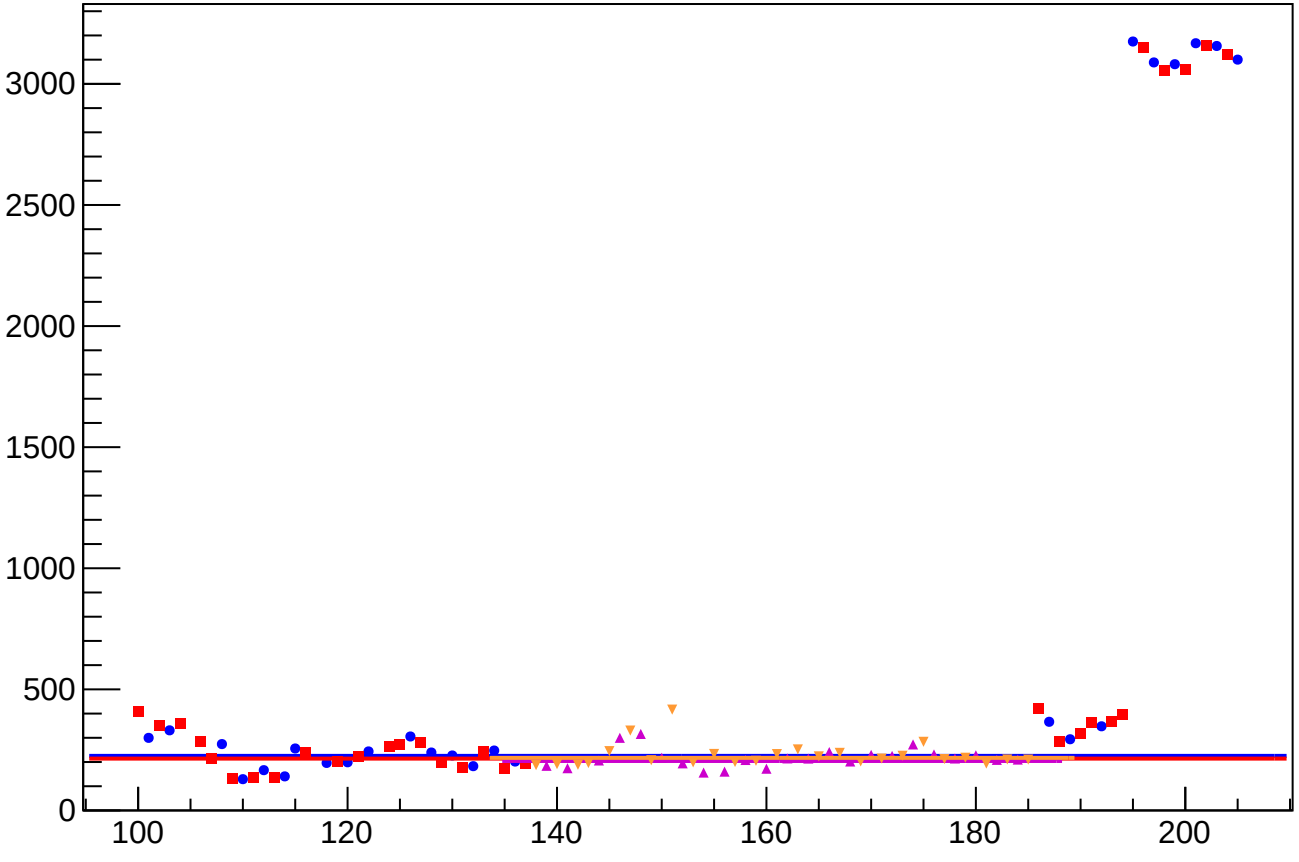
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.946+/-42.122 χ^2/NDF: 3174.9/49

All: 28.388+/-28.958 χ^2/NDF: 8248.2/102

- sign -279.495+/-39.875 χ^2/NDF: 4947.2/52

asym_bpm0l06WS_rms vs Slug



Right In: 225.339+/-0.054 χ^2/NDF: 10129148.4/24

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 214.104+/-0.048 χ^2/NDF: 9972695.3/29

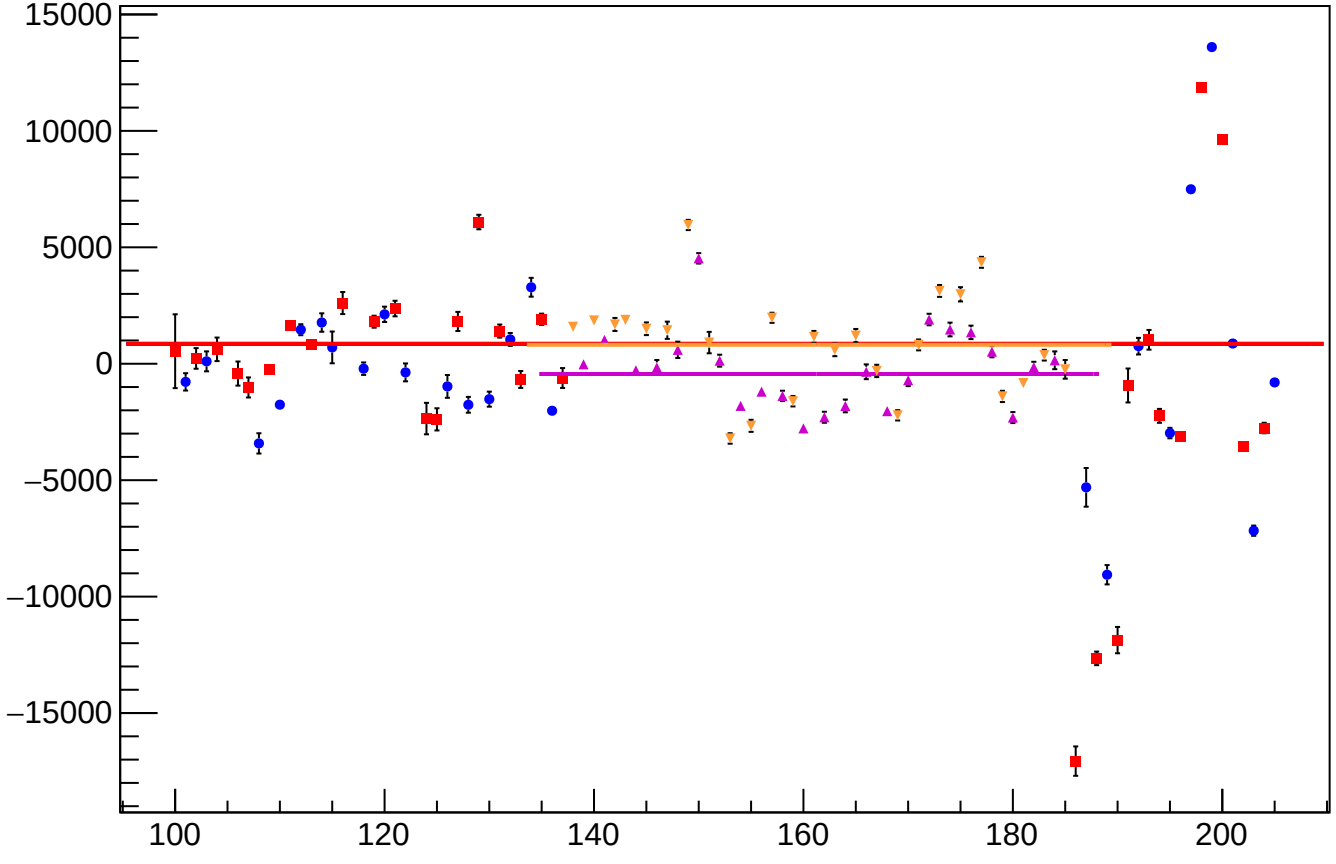
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 219.692+/-0.030 χ^2/NDF: 11055302.1/49

All: 213.349+/-0.020 χ^2/NDF: 22156231.7/10

- sign 207.665+/-0.028 χ^2/NDF: 11014934.3/52

asym_bpm0l07WS_mean vs Slug



Right In: 853.104+/-56.064 χ^2/NDF: 8741.8/24

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 855.542+/-53.596 χ^2/NDF: 10244.0/29

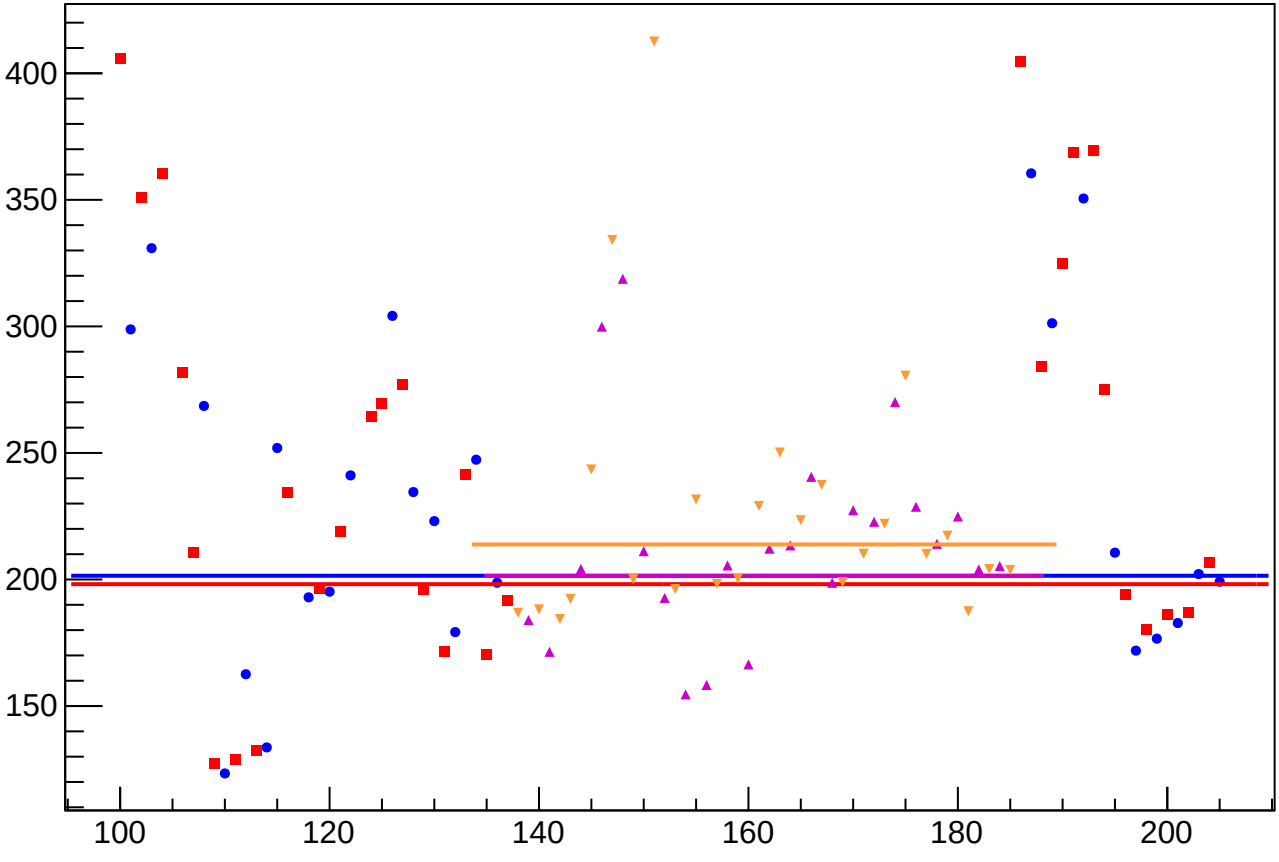
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 831.385+/-37.216 χ^2/NDF: 10742.5/49

All: 476.011+/-25.866 χ^2/NDF: 22718.7/102

- sign 143.915+/-35.976 χ^2/NDF: 11799.8/52

asym_bpm0l07WS_rms vs Slug



Right In: 201.477+/-0.040 χ^2/NDF: 1600947.9/24

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.156+/-0.038 χ^2/NDF: 2637118.8/29

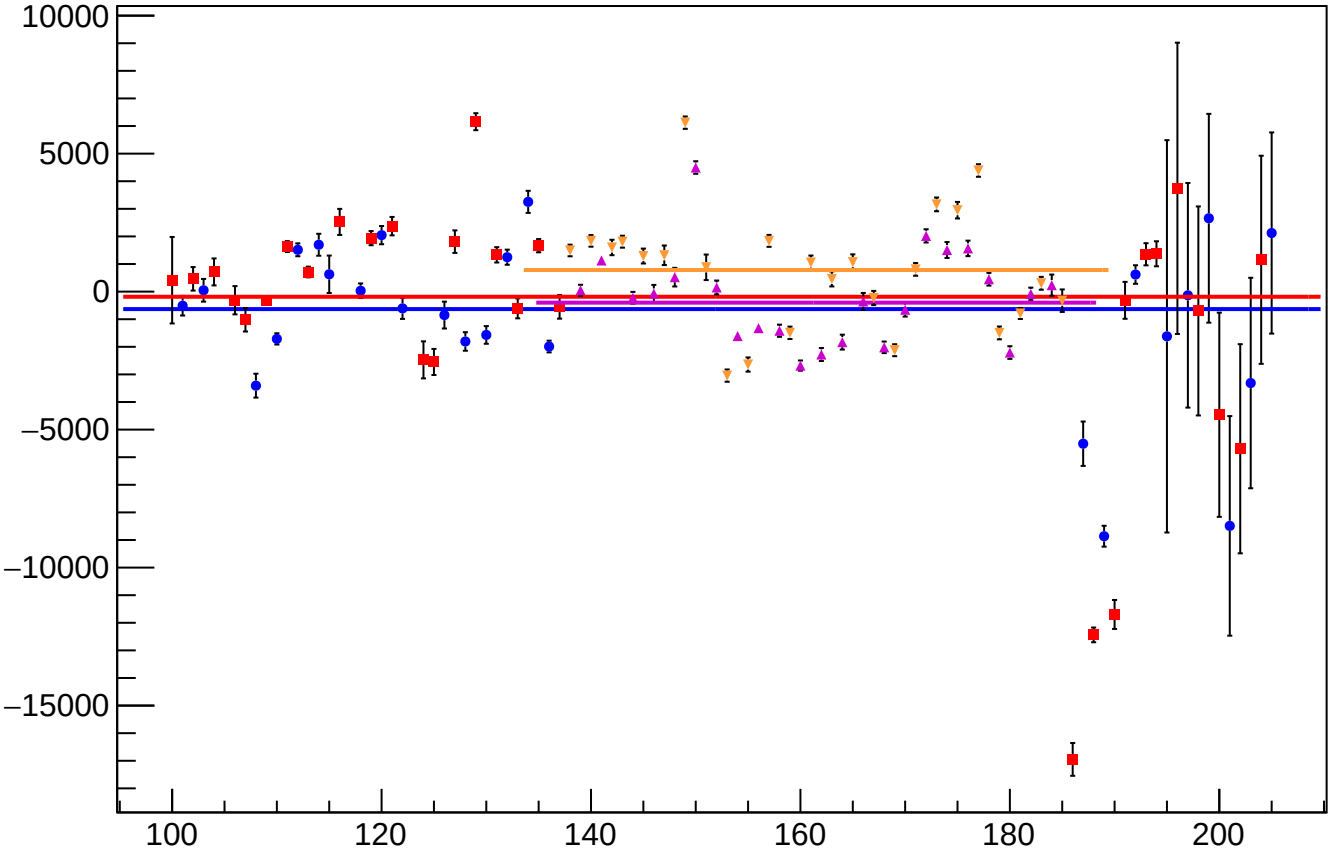
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.397+/-0.026 χ^2/NDF: 2619004.7/49

All: 204.037+/-0.018 χ^2/NDF: 6375327.1/102

- sign 199.963+/-0.025 χ^2/NDF: 3703230.8/52

asym_bpm0l08WS_mean vs Slug



Right In: -633.475+/-73.993 χ^2/NDF: 998.2/24

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -186.230+/-65.436 χ^2/NDF: 4276.1/29

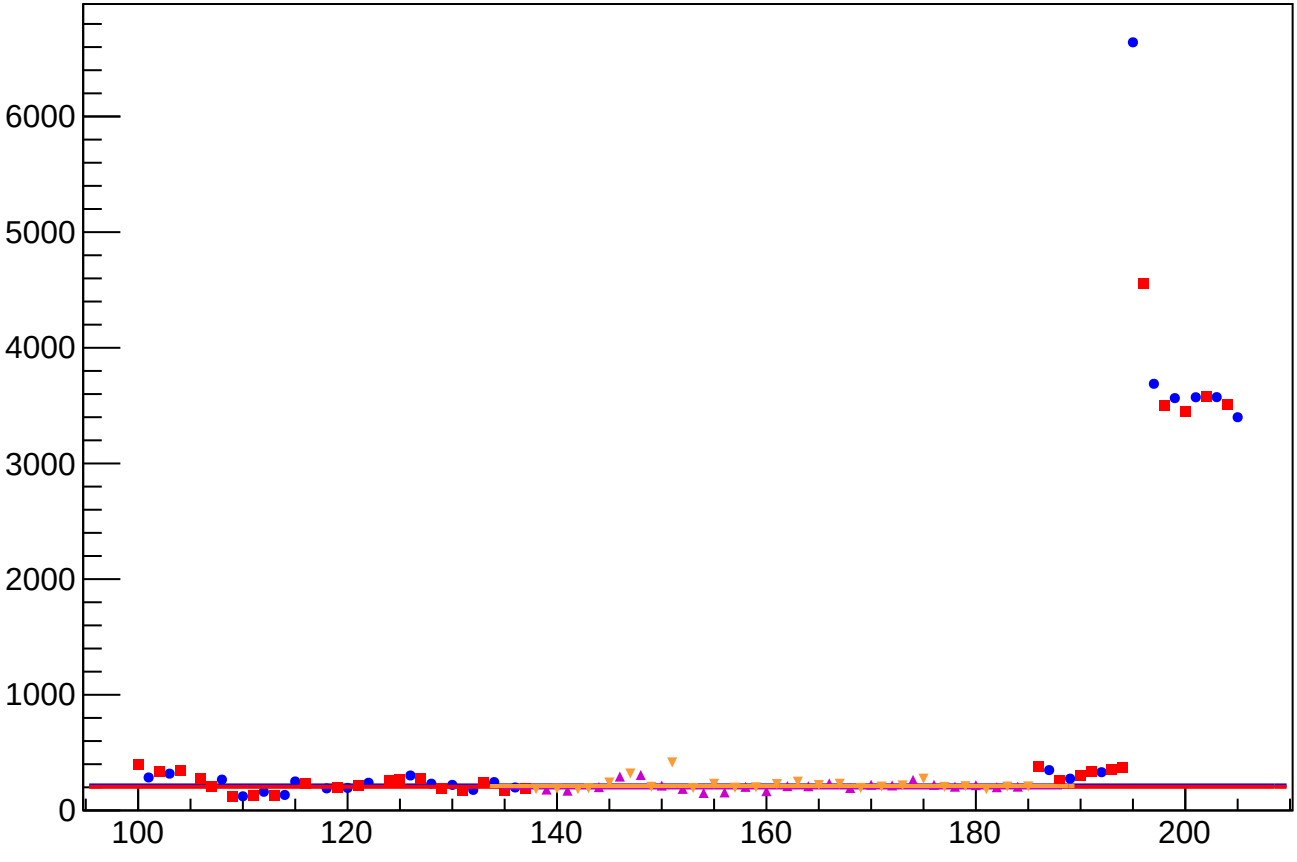
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.325+/-40.969 χ^2/NDF: 3253.3/49

All: -8.534+/-28.098 χ^2/NDF: 8911.6/102

- sign -325.451+/-38.608 χ^2/NDF: 5515.0/52

asym_bpm0l08WS_rms vs Slug



Right In: 216.353+/-0.052 χ^2/NDF: 10502924.1/24

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 204.201+/-0.046 χ^2/NDF: 10136460.5/29

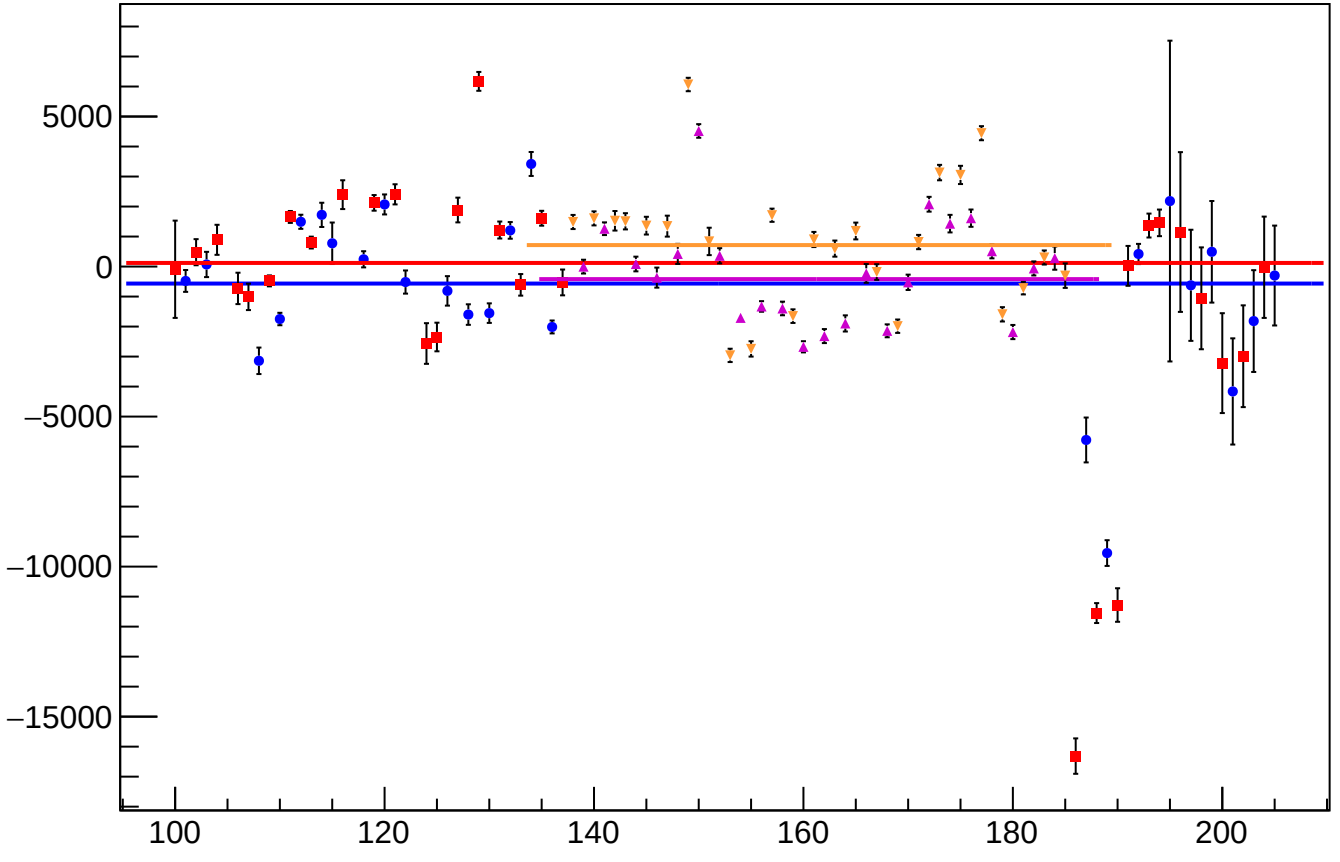
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 212.985+/-0.029 χ^2/NDF: 11443878.8/49

All: 206.373+/-0.020 χ^2/NDF: 22694968.7/10

- sign 200.501+/-0.027 χ^2/NDF: 11152730.5/52

asym_bpm0l09WS_mean vs Slug



Right In: -566.774+/-74.933 χ^2/NDF: 958.4/24

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 120.476+/-67.080 χ^2/NDF: 3166.5/29

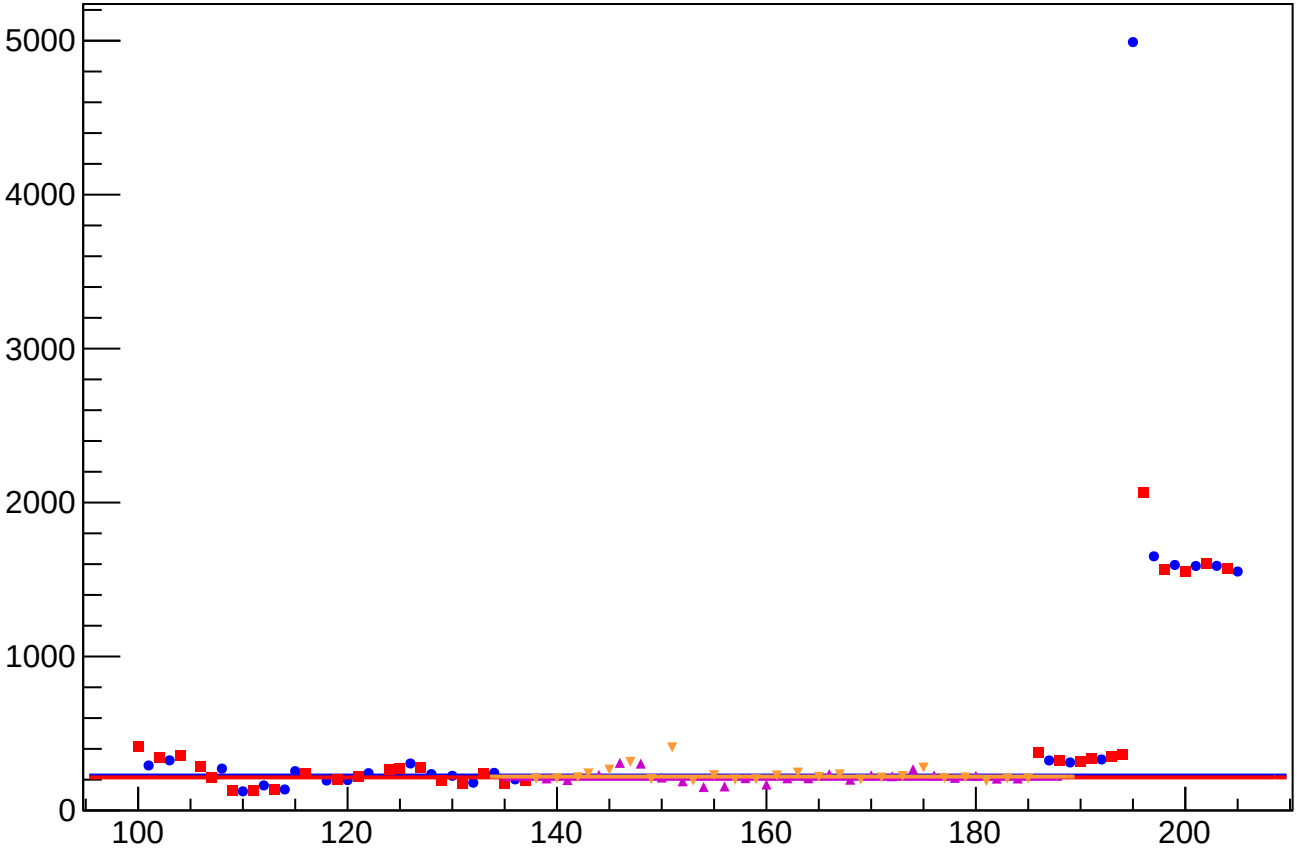
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 308.463+/-42.223 χ^2/NDF: 3076.3/49

All: 24.458+/-28.978 χ^2/NDF: 7611.1/102

- sign -228.413+/-39.842 χ^2/NDF: 4449.3/52

asym_bpm0l09WS_rms vs Slug



Right In: 226.694+/-0.053 χ^2/NDF: 9249153.0/24

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 214.708+/-0.047 χ^2/NDF: 8878063.3/29

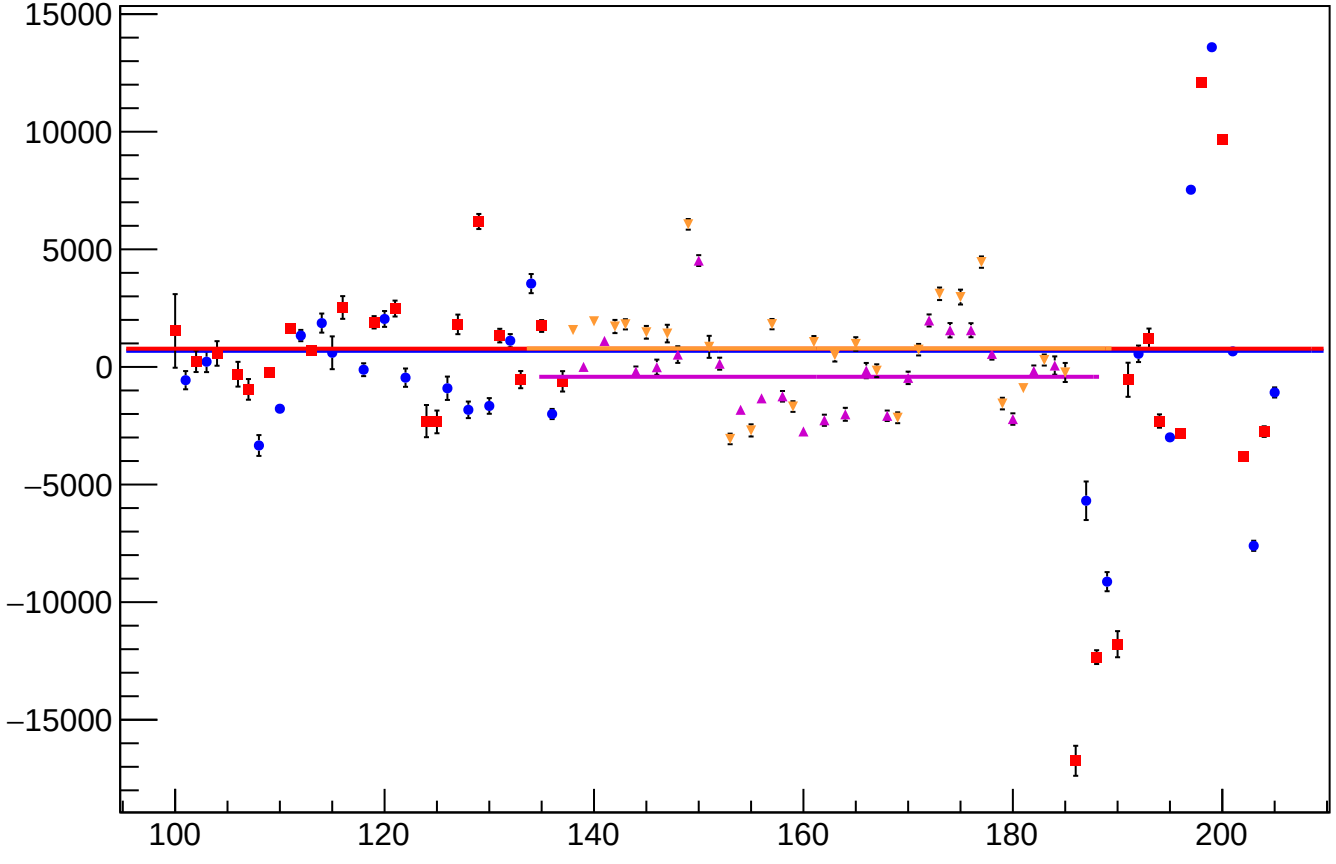
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 222.224+/-0.030 χ^2/NDF: 10059280.2/49

All: 215.089+/-0.020 χ^2/NDF: 20083762.7/10

- sign 208.736+/-0.028 χ^2/NDF: 9916519.1/52

asym_bpm0l10WS_mean vs Slug



Right In: 685.087+/-56.686 χ^2/NDF: 8755.9/24

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 775.749+/-54.498 χ^2/NDF: 9896.7/29

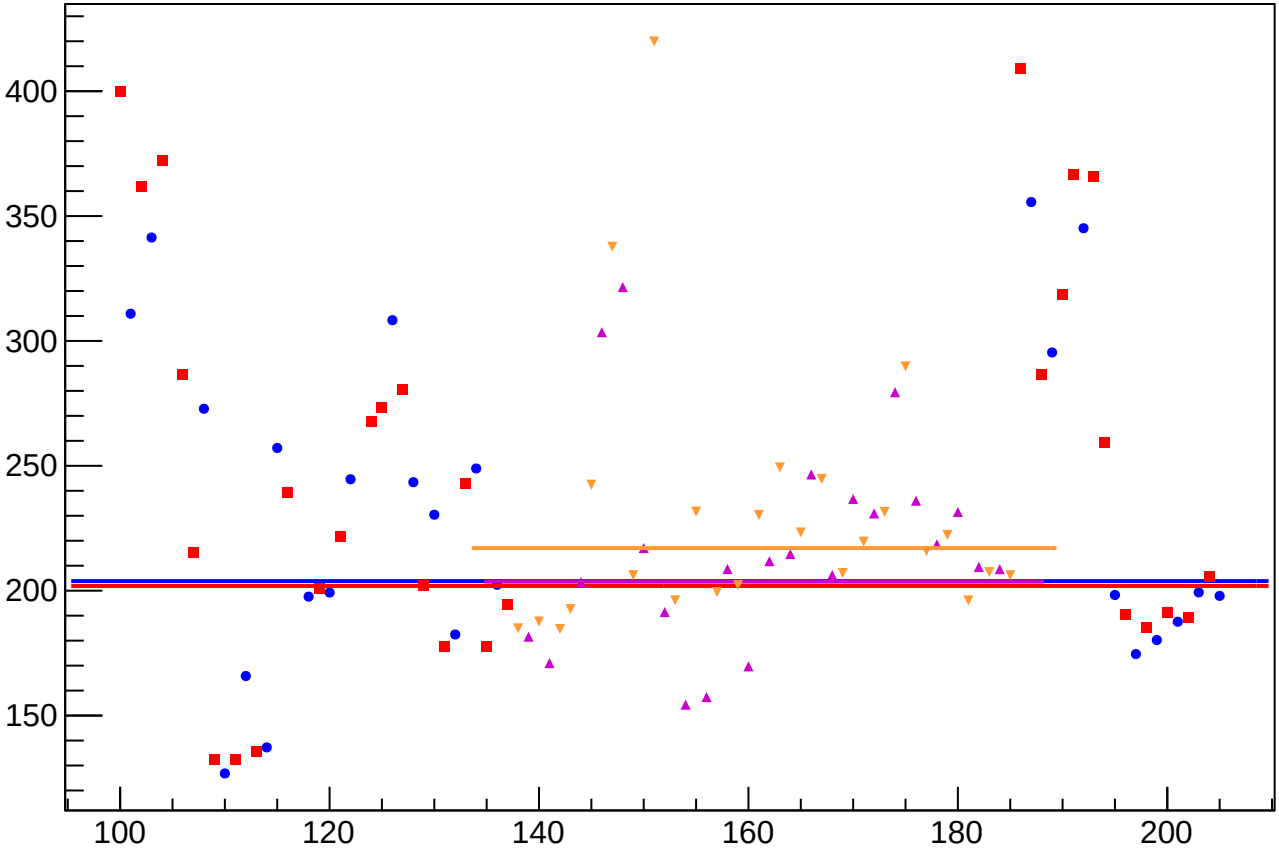
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 741.838+/-37.717 χ^2/NDF: 10695.2/49

All: 419.180+/-26.229 χ^2/NDF: 22209.6/102

- sign 117.012+/-36.500 χ^2/NDF: 11372.6/52

asym_bpm0l10WS_rms vs Slug



Right In: 203.835+/-0.040 χ^2/NDF: 1548109.9/24

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.896+/-0.039 χ^2/NDF: 2476762.9/29

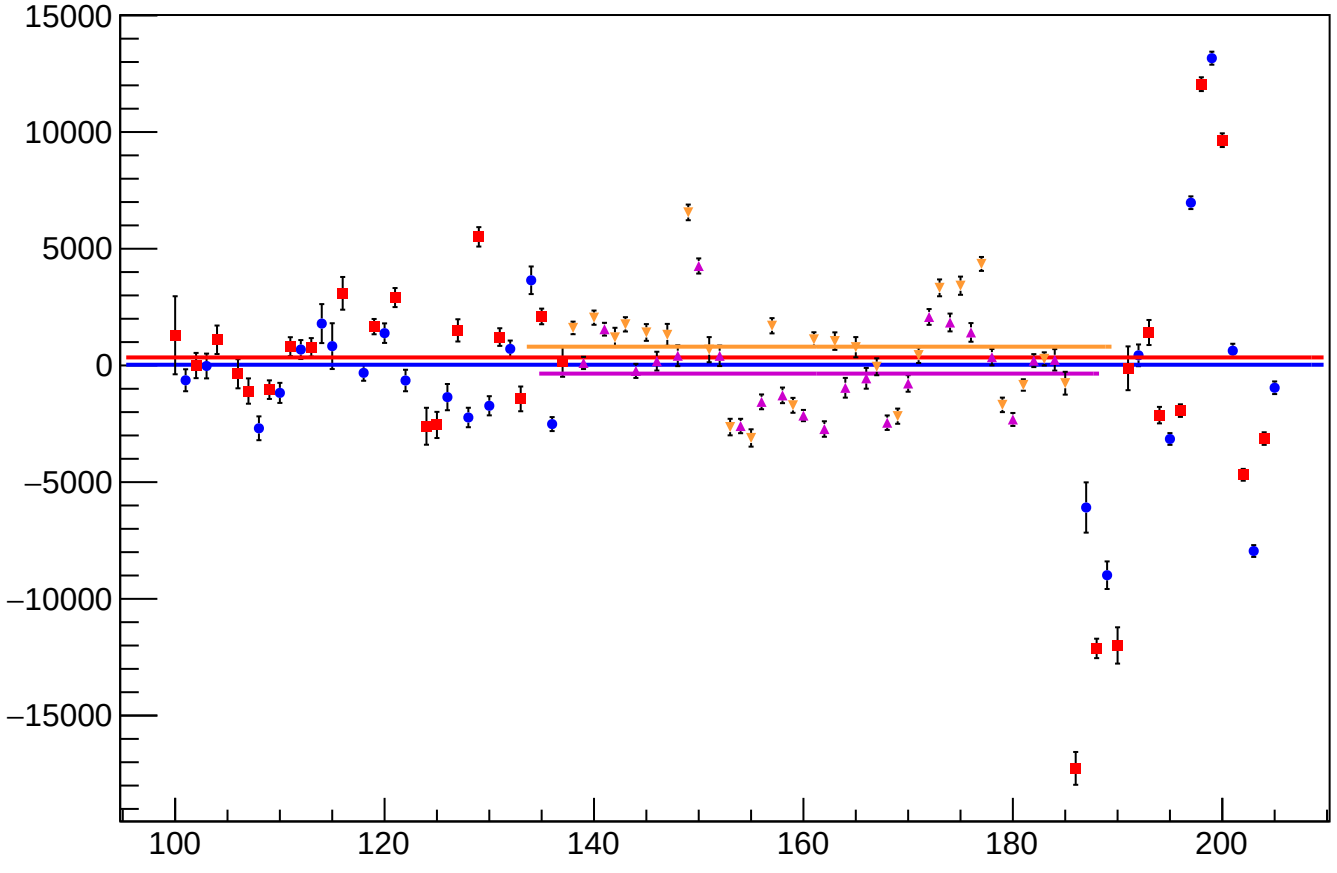
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 211.194+/-0.027 χ^2/NDF: 2591761.3/49

All: 206.895+/-0.019 χ^2/NDF: 6285337.3/102

- sign 202.869+/-0.026 χ^2/NDF: 3643253.9/52

asym_bpm0r03WS_mean vs Slug



Right In: 29.506+/-76.131 χ^2/NDF: 4529.0/24

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 343.526+/-75.928 χ^2/NDF: 5367.9/29

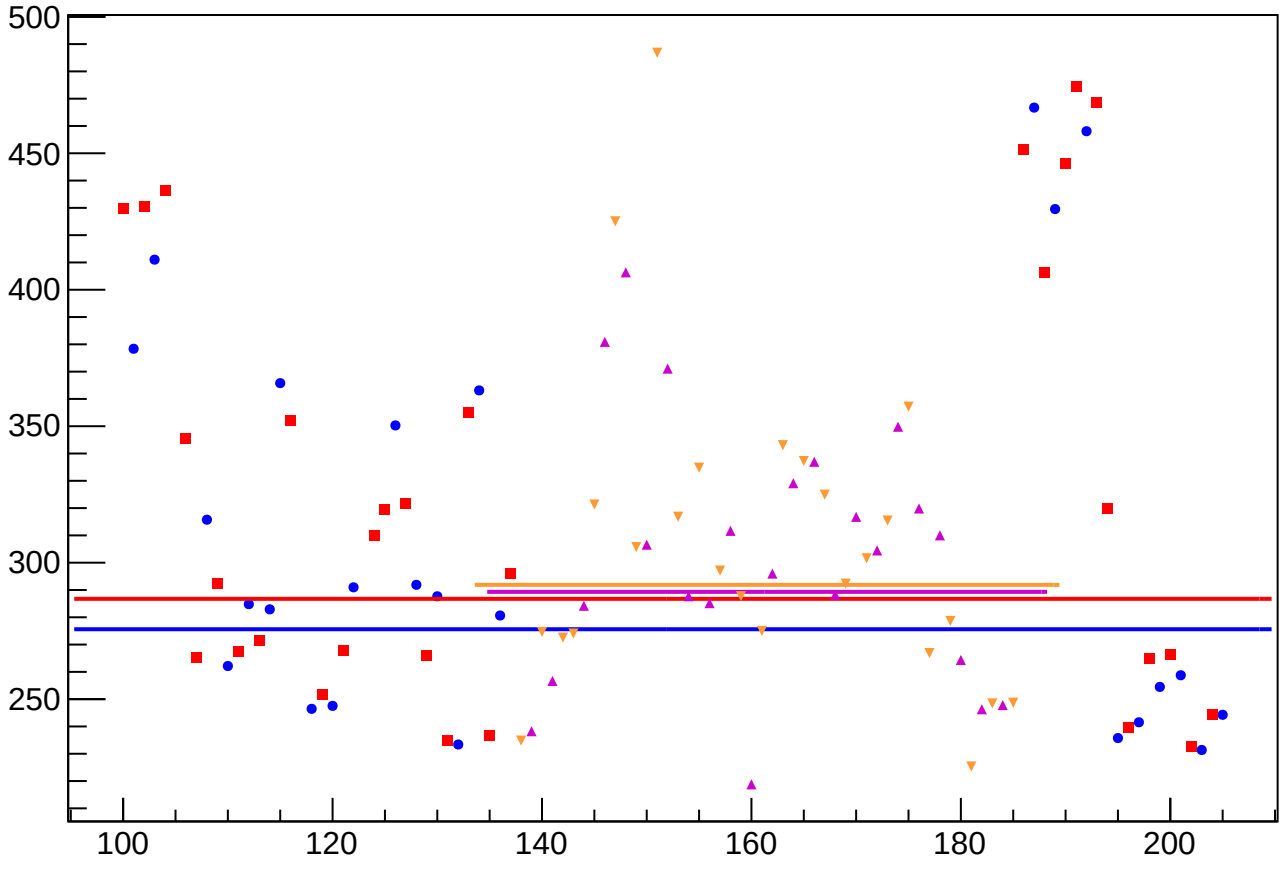
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 461.896+/-50.587 χ^2/NDF: 5644.5/49

All: 215.035+/-35.936 χ^2/NDF: 11762.3/102

- sign -36.444+/-51.058 χ^2/NDF: 6069.7/52

asym_bpm0r03WS_rms vs Slug



Right In: 275.620+/-0.054 χ^2/NDF: 1089088.1/24

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.758+/-0.054 χ^2/NDF: 1398110.2/29

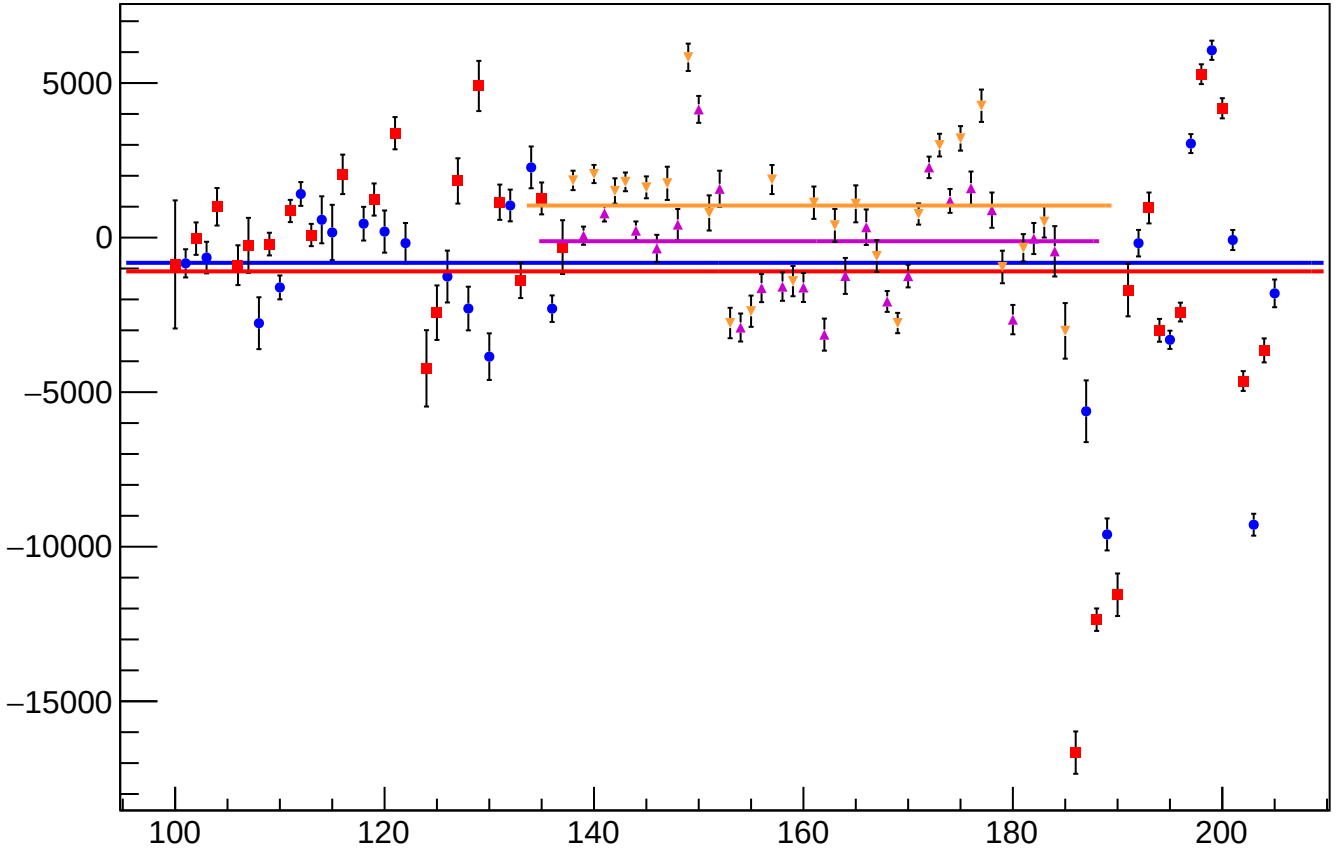
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 284.702+/-0.036 χ^2/NDF: 2099971.3/49

All: 286.416+/-0.025 χ^2/NDF: 4312569.4/102

- sign 288.162+/-0.036 χ^2/NDF: 2207964.2/52

asym_bpm0r05WS_mean vs Slug



Right In: -815.748+/-92.813 χ^2/NDF: 1738.6/24

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1092.968+/-87.564 χ^2/NDF: 2892.6/29

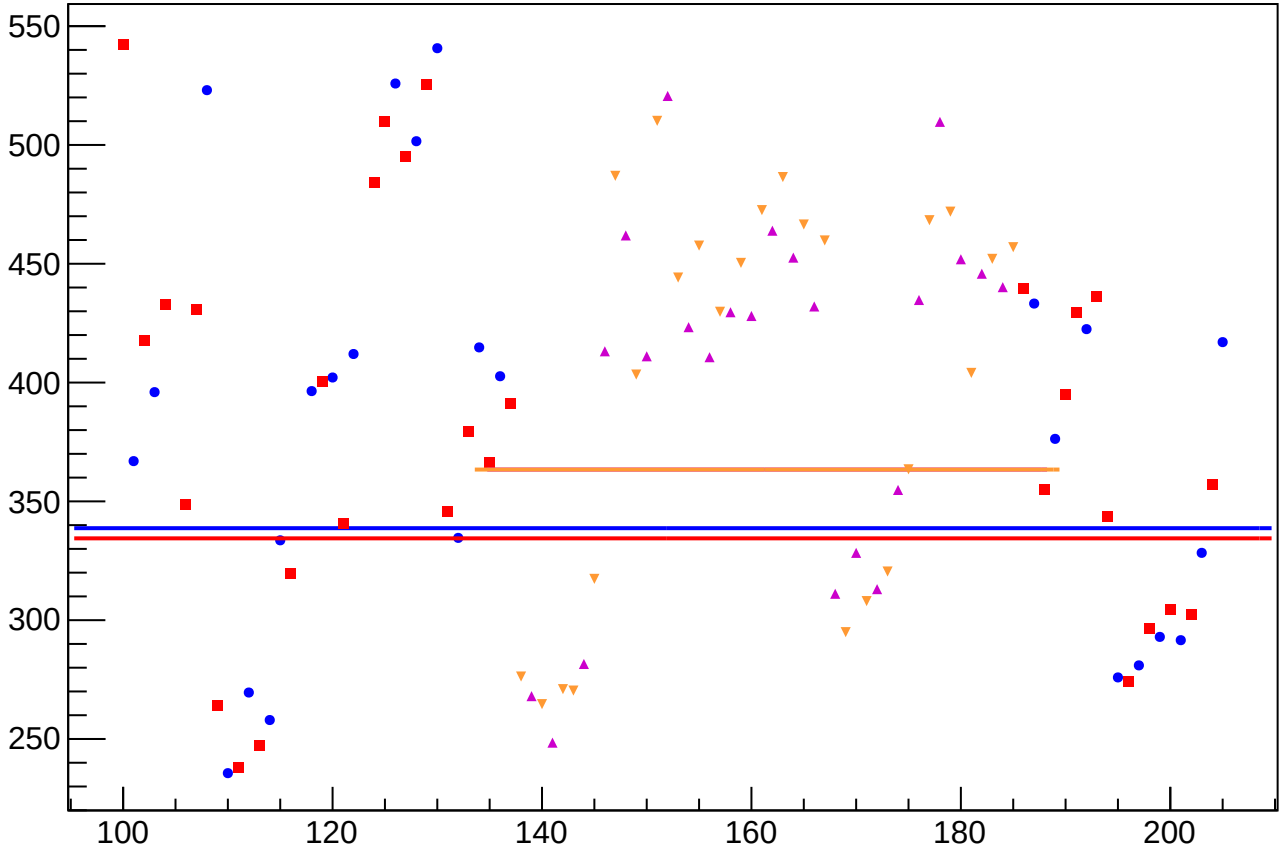
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 189.892+/-62.765 χ^2/NDF: 2525.1/49

All: -212.943+/-44.066 χ^2/NDF: 5931.5/102

- sign -604.514+/-61.881 χ^2/NDF: 3325.1/52

asym_bpm0r05WS_rms vs Slug



Right In: 338.715+/-0.066 χ^2/NDF: 1258034.6/24

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

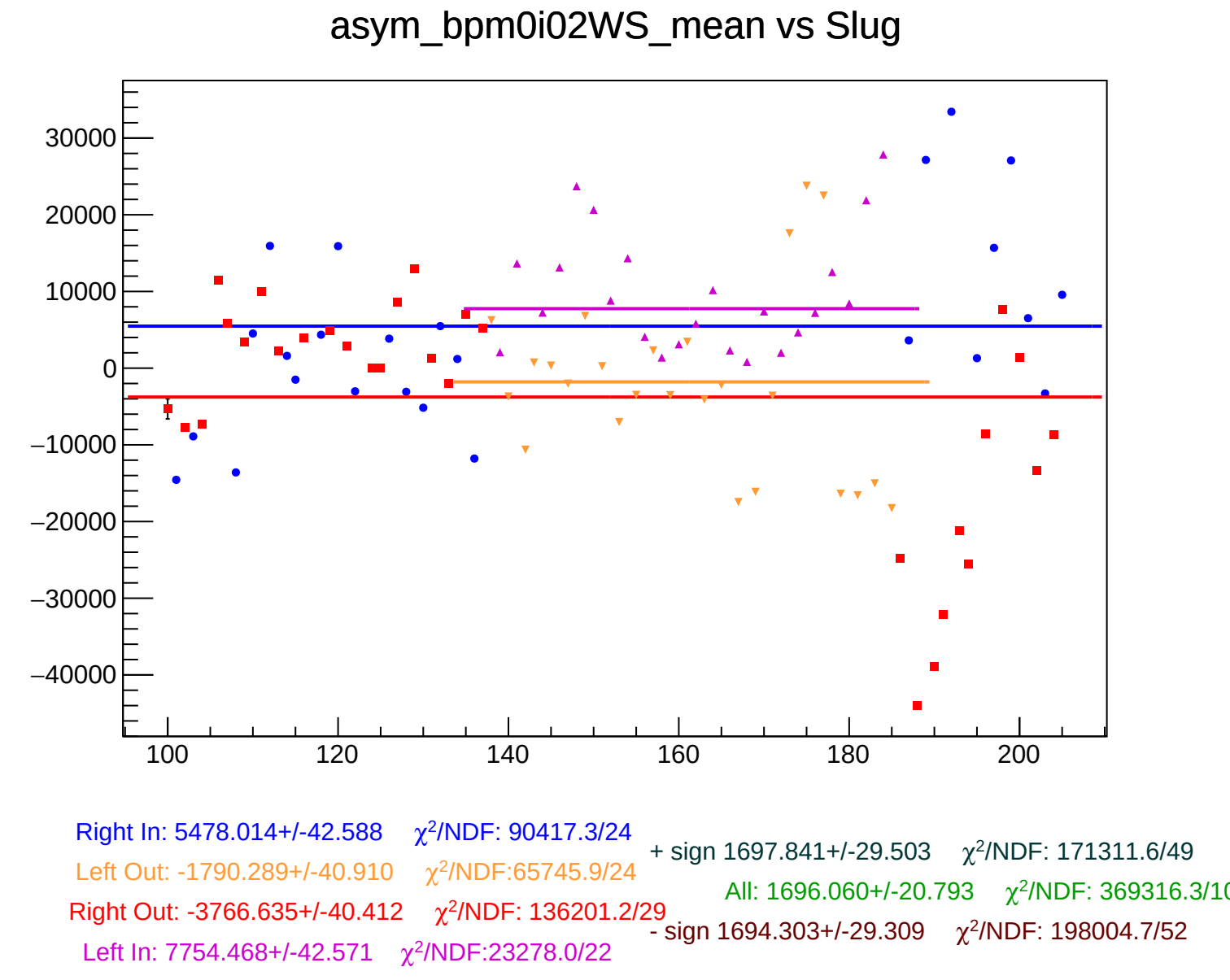
Right Out: 334.434+/-0.062 χ^2/NDF: 1189054.6/29

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

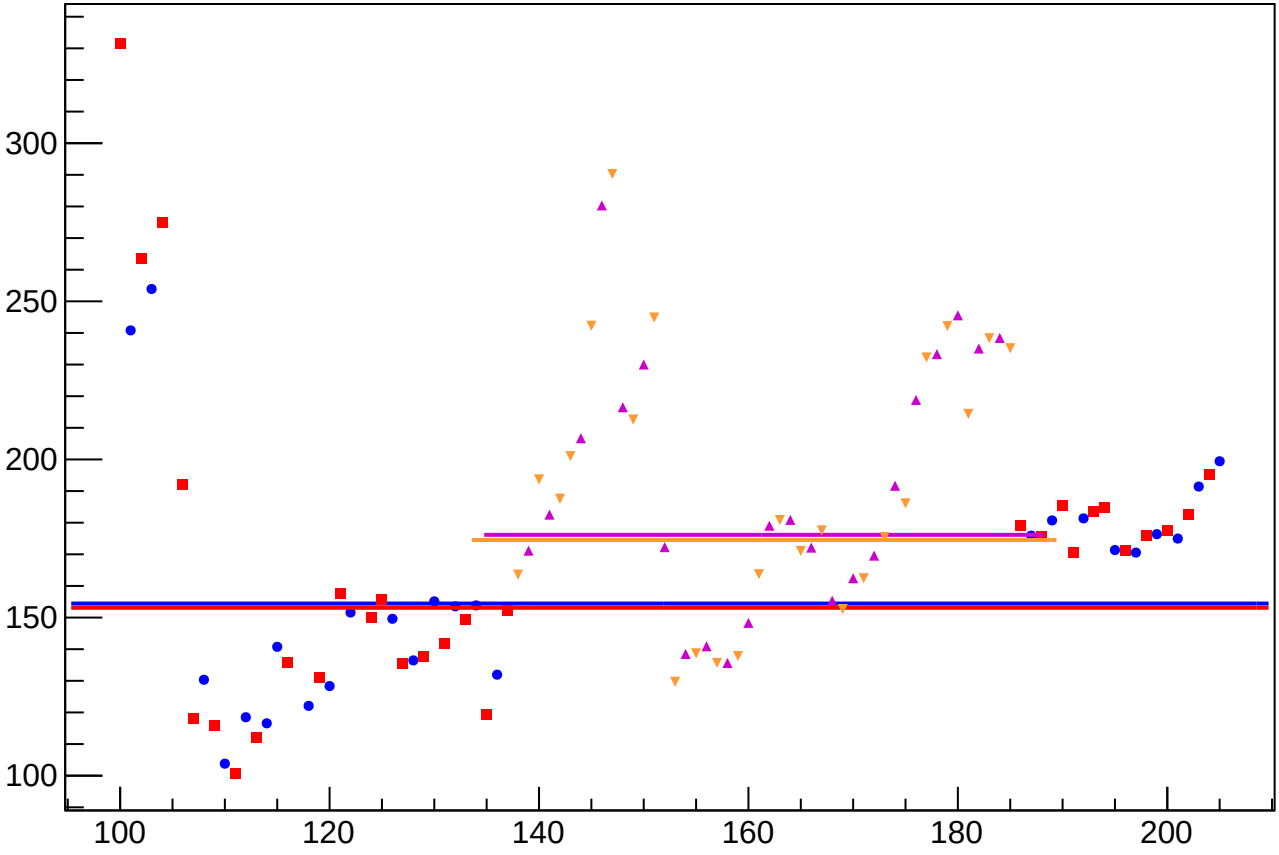
+ sign 352.104+/-0.044 χ^2/NDF: 3275229.6/49

All: 350.493+/-0.031 χ^2/NDF: 6287936.0/102

- sign 348.927+/-0.044 χ^2/NDF: 3010108.1/52


asym_bpm0i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 5478.014+/-42.588 χ²/NDF: 90417.3/24
Left Out: -1790.289+/-40.910 χ²/NDF:65745.9/24
Right Out: -3766.635+/-40.412 χ²/NDF: 136201.2/29
Left In: 7754.468+/-42.571 χ²/NDF:23278.0/22
+ sign 1697.841+/-29.503 χ²/NDF: 171311.6/49
All: 1696.060+/-20.793 χ²/NDF: 369316.3/10
- sign 1694.303+/-29.309 χ²/NDF: 198004.7/52

asym_bpm0i02WS_rms vs Slug



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

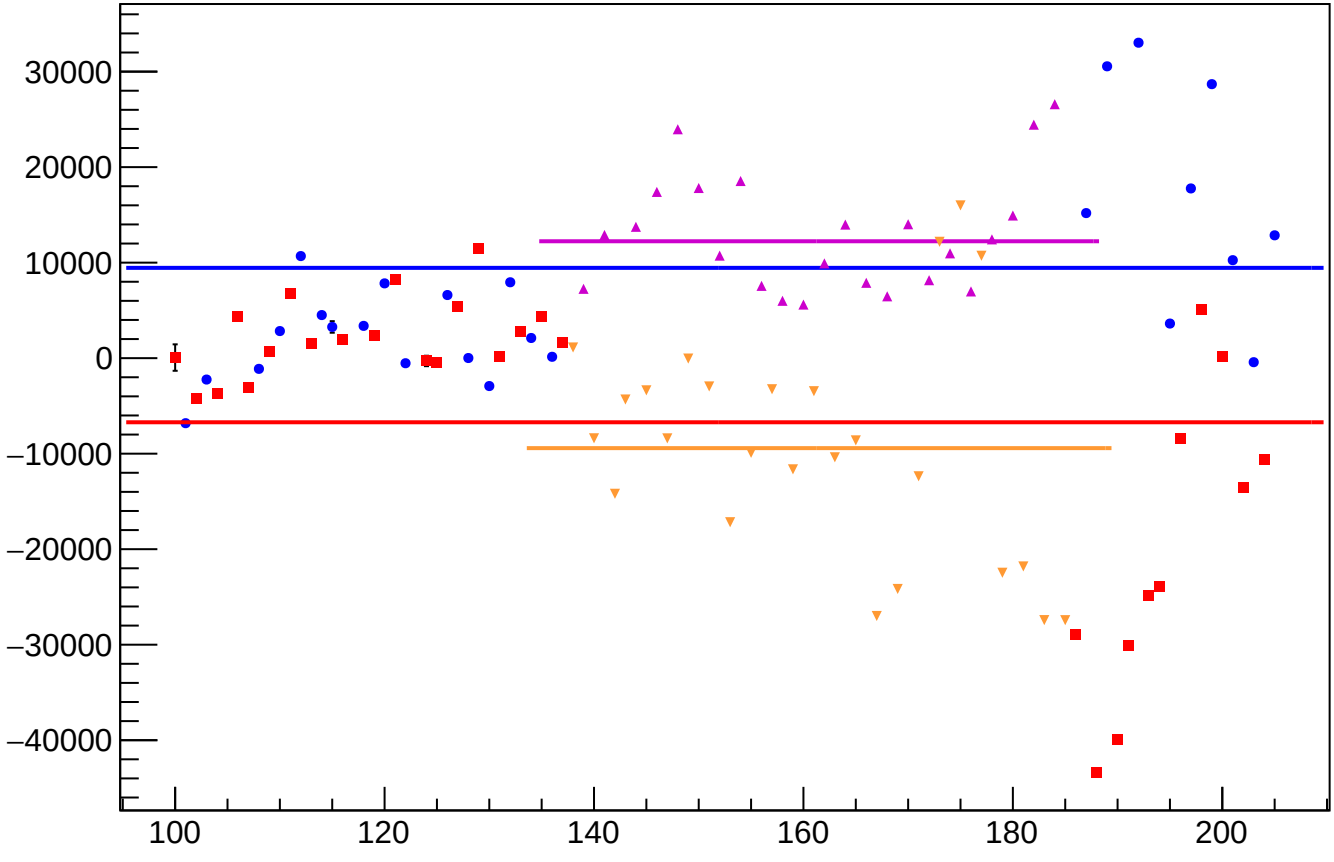
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 164.879+/-0.021 χ^2/NDF: 3023210.7/49

All: 164.449+/-0.015 χ^2/NDF: 6200752.6/102

- sign 164.025+/-0.021 χ^2/NDF: 3176699.5/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6712.746+/-45.630 χ^2/NDF: 105331.2/29

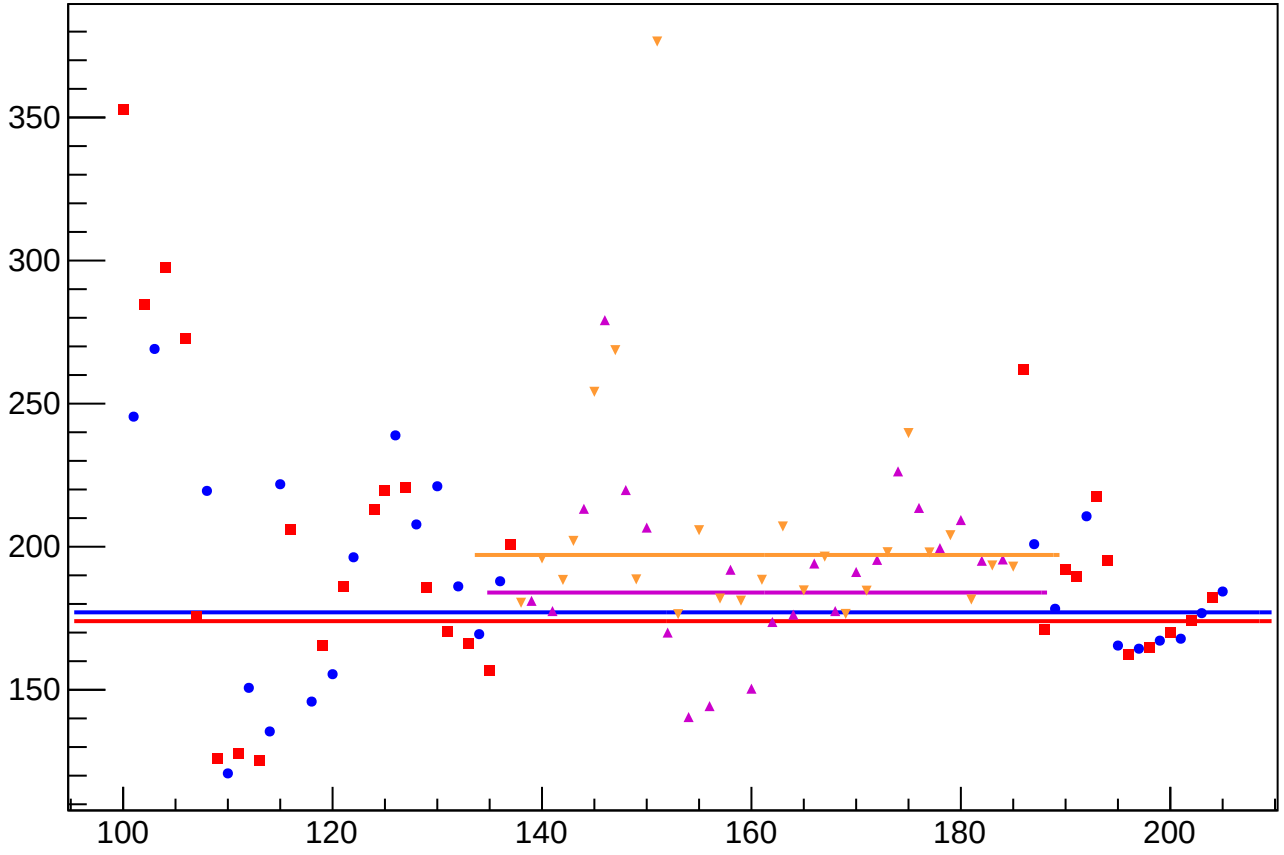
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -503.812+/-33.193 χ^2/NDF: 196534.5/49

All: 1360.479+/-22.942 χ^2/NDF: 412924.3/10

- sign 3065.723+/-31.746 χ^2/NDF: 210349.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

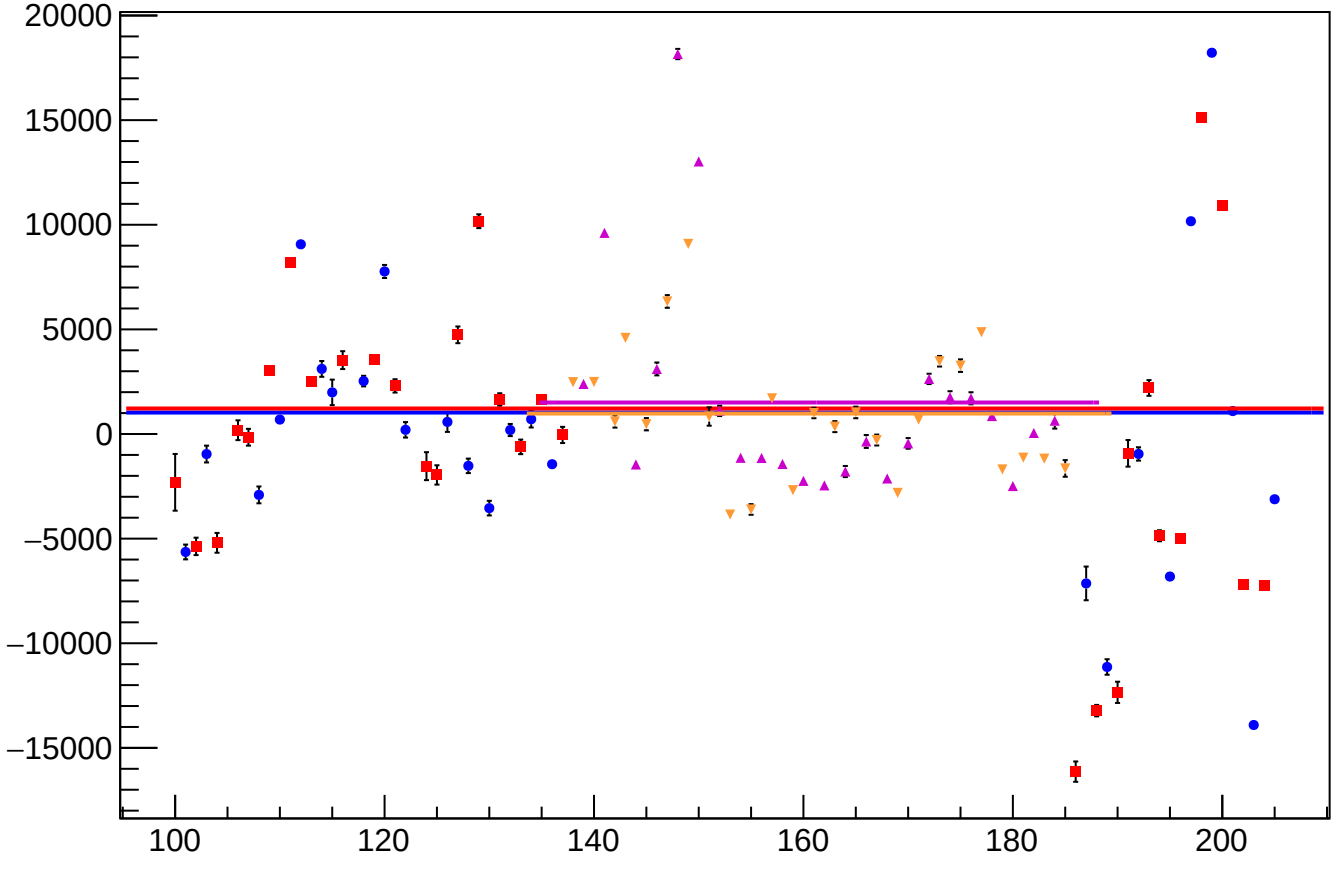
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.651+/-0.023 χ^2/NDF: 1676756.9/49

All: 183.211+/-0.016 χ^2/NDF: 3821701.5/102

- sign 179.149+/-0.022 χ^2/NDF: 2076409.3/52

asym_bpm0i05WS_mean vs Slug



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 1219.489+/-51.665 χ^2/NDF: 19713.1/29

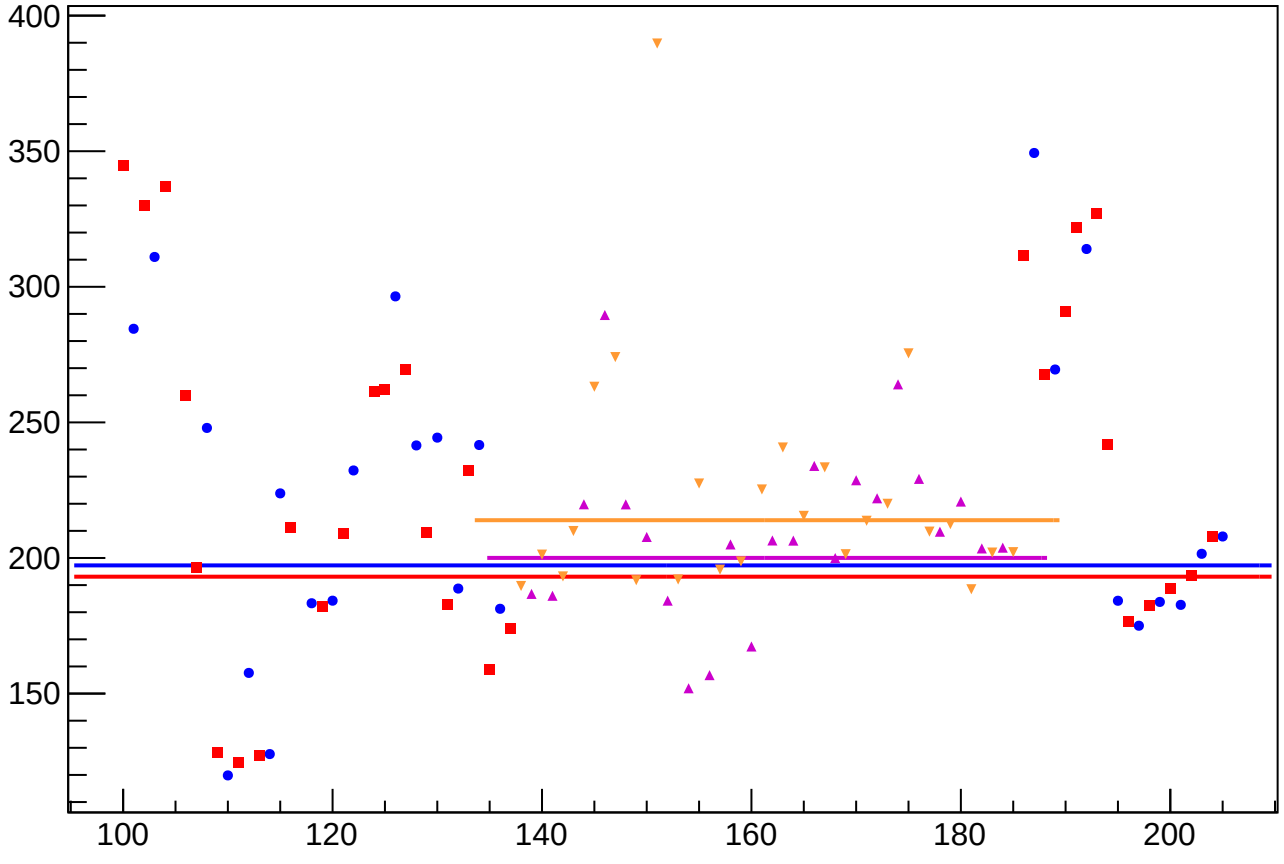
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1000.026+/-36.667 χ^2/NDF: 25026.1/49

All: 1194.007+/-25.387 χ^2/NDF: 56289.9/102

- sign 1372.631+/-35.186 χ^2/NDF: 31210.1/52

asym_bpm0i05WS_rms vs Slug



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

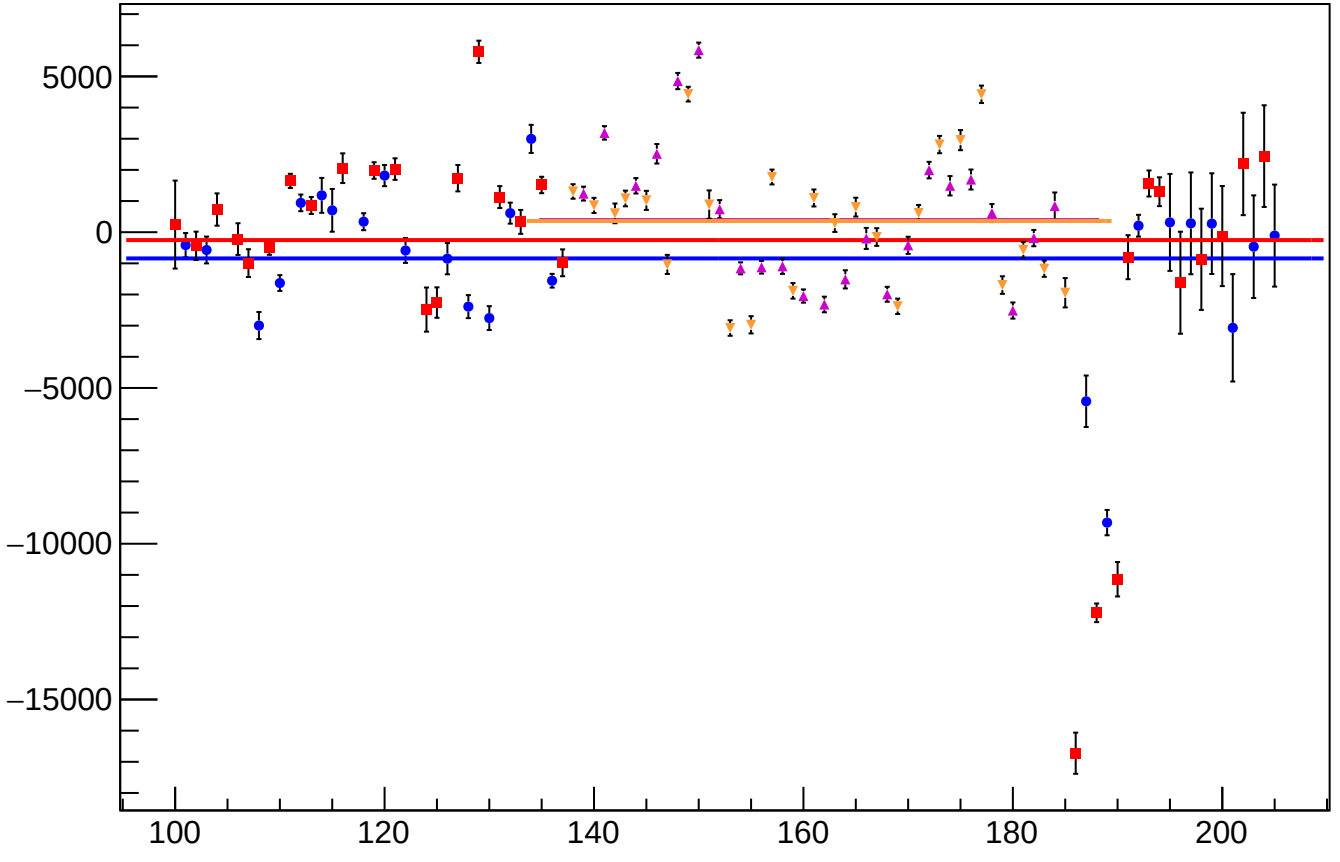
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.371+/-0.026 χ^2/NDF: 2281017.8/49

All: 201.398+/-0.018 χ^2/NDF: 5399628.4/102

- sign 196.819+/-0.025 χ^2/NDF: 3047940.2/52

asym_bpm0i07WS_mean vs Slug



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -253.715+/-73.797 χ^2/NDF: 3273.9/29

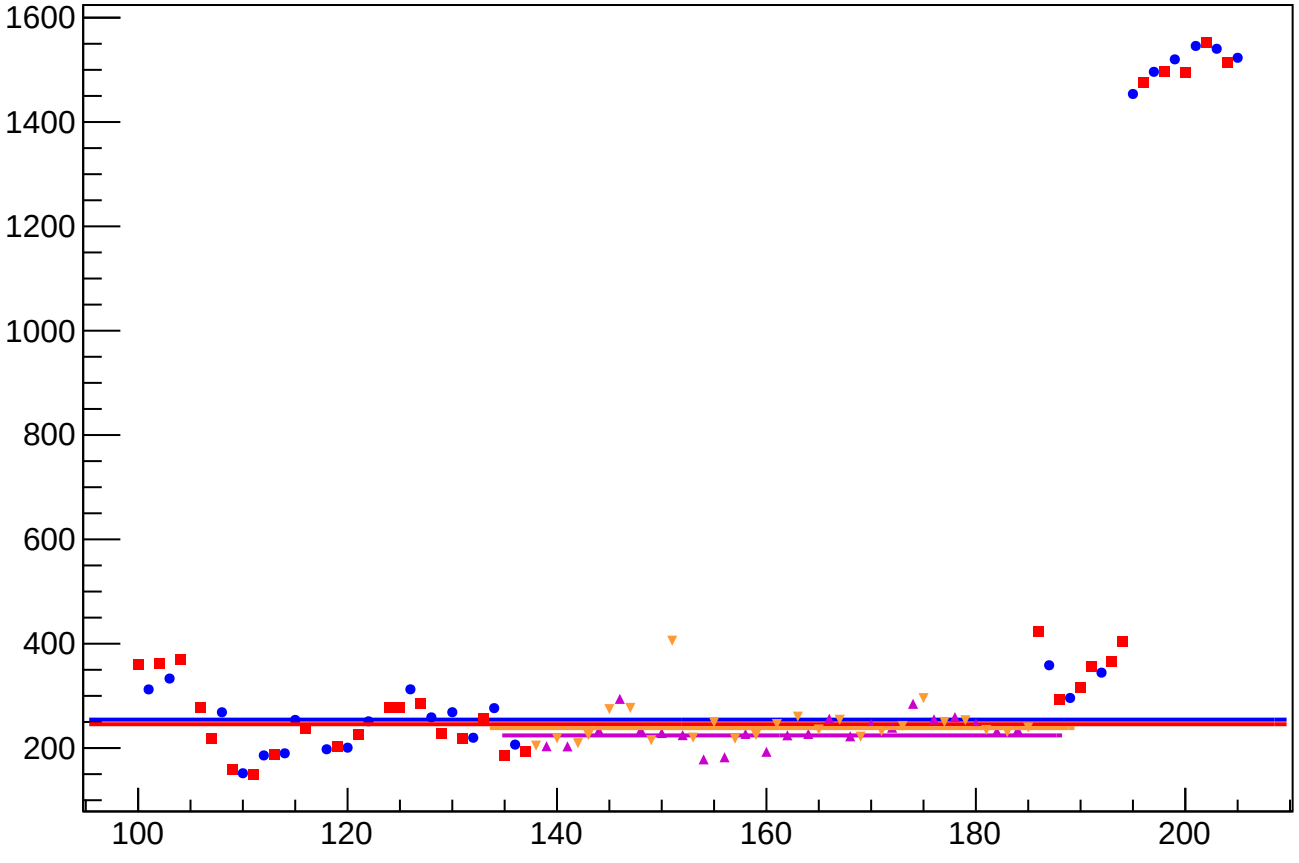
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.723+/-45.565 χ^2/NDF: 2368.0/49

All: 78.796+/-31.399 χ^2/NDF: 7504.0/102

- sign 166.079+/-43.330 χ^2/NDF: 5127.4/52

asym_bpm0i07WS_rms vs Slug



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

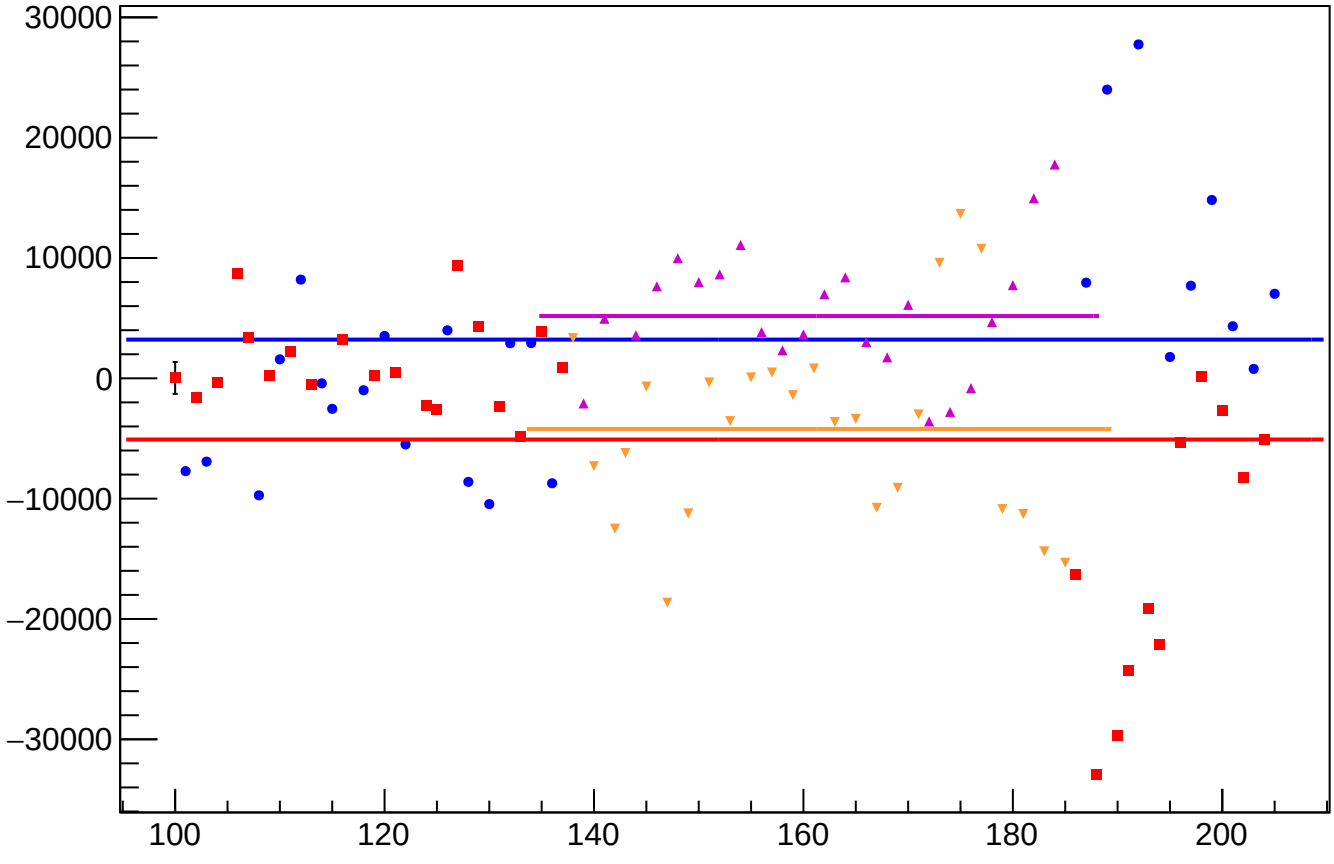
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 243.300+/-0.032 χ^2/NDF: 8808479.4/49

All: 237.154+/-0.022 χ^2/NDF: 17511888.8/10

- sign 231.596+/-0.031 χ^2/NDF: 8634125.2/52

asym_bpm1i02WS_mean vs Slug



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5083.887+/-34.063 χ^2/NDF: 102886.4/29

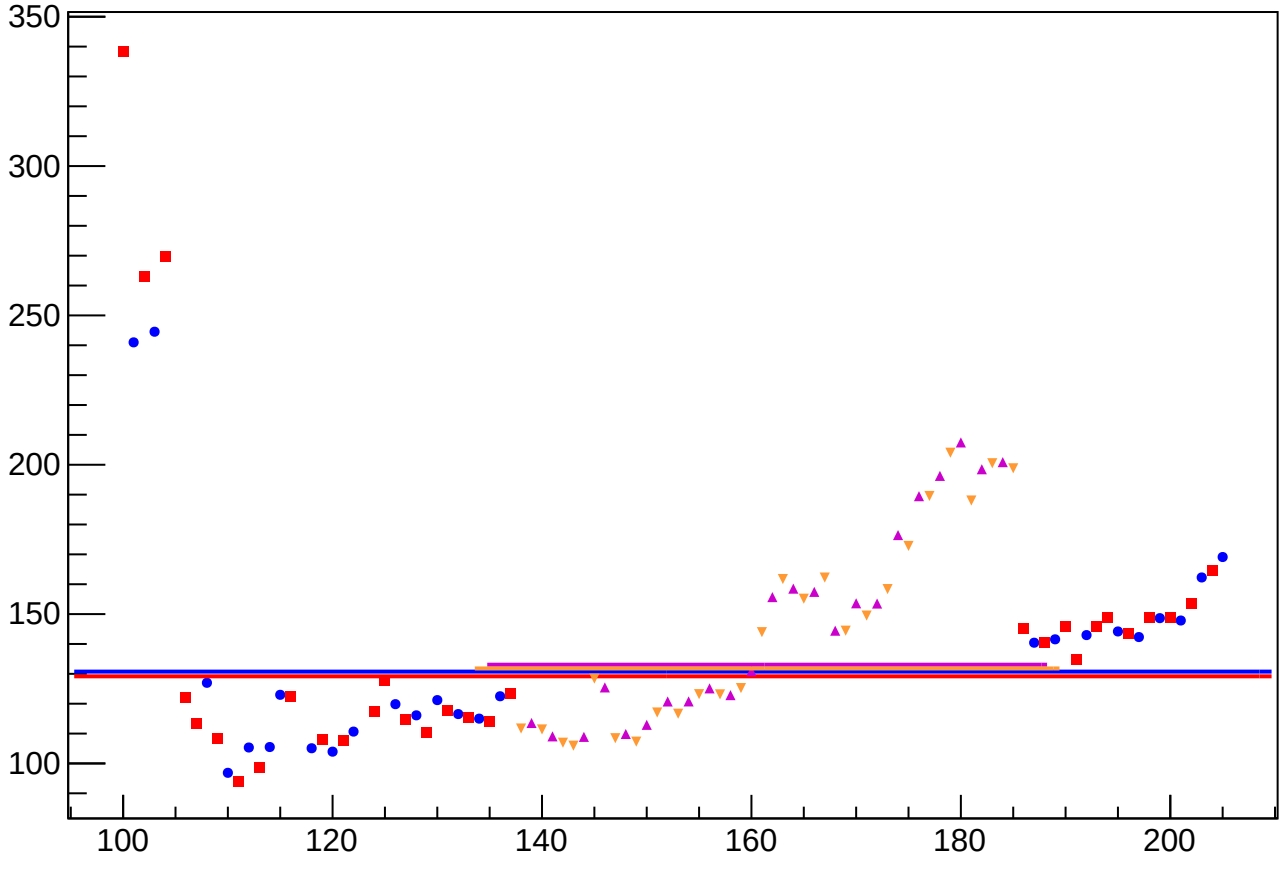
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1081.550+/-23.455 χ^2/NDF: 157573.1/49

All: -350.187+/-16.534 χ^2/NDF: 329189.8/10

- sign 372.188+/-23.311 χ^2/NDF: 169684.1/52

asym_bpm1i02WS_rms vs Slug



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

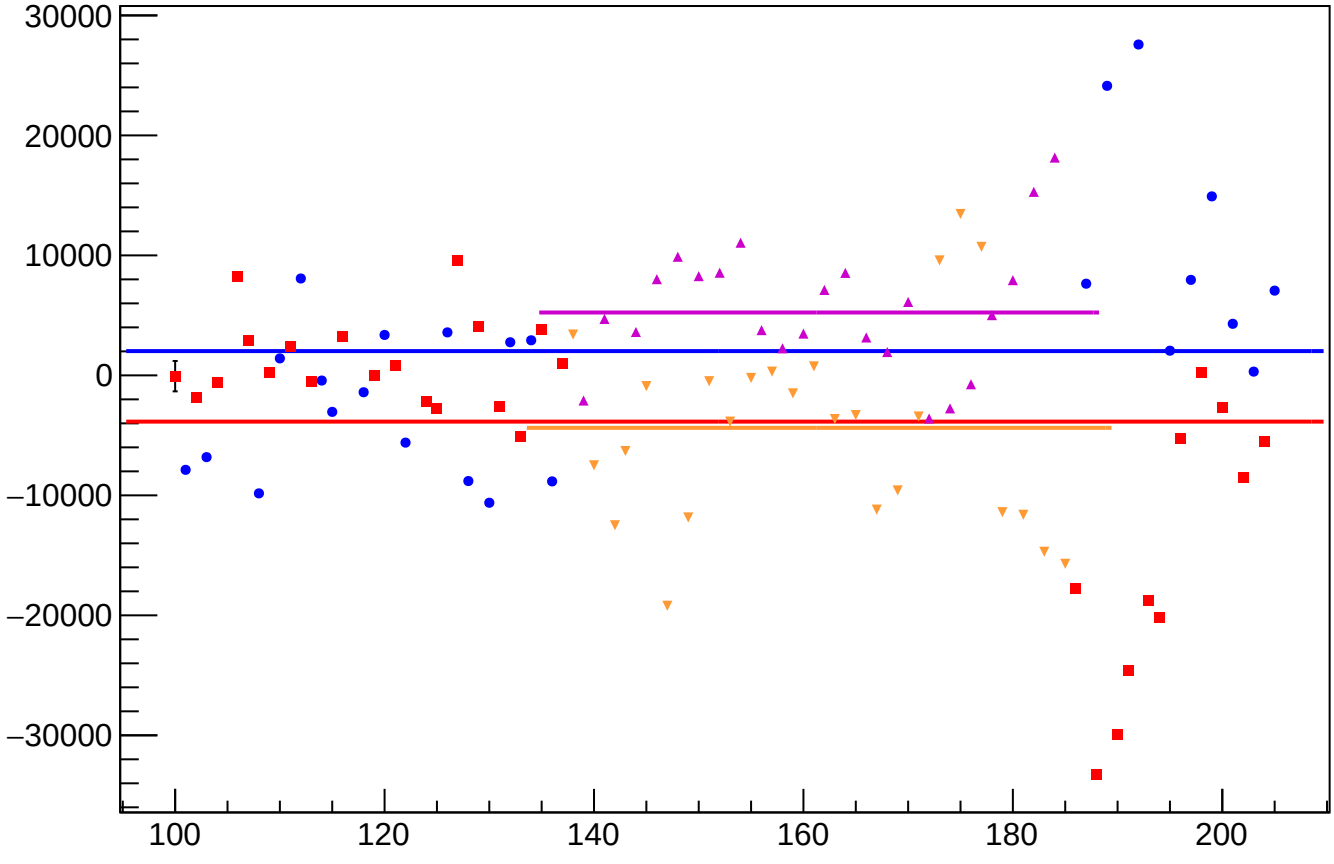
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 131.355+/-0.017 χ^2/NDF: 2666119.7/49

All: 131.296+/-0.012 χ^2/NDF: 5429243.8/102

- sign 131.237+/-0.016 χ^2/NDF: 2763098.7/52

asym_bpm1i04WS_mean vs Slug



Right In: 2022.662+/-32.370 χ^2/NDF: 83802.4/24

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3855.078+/-30.713 χ^2/NDF: 110718.9/29

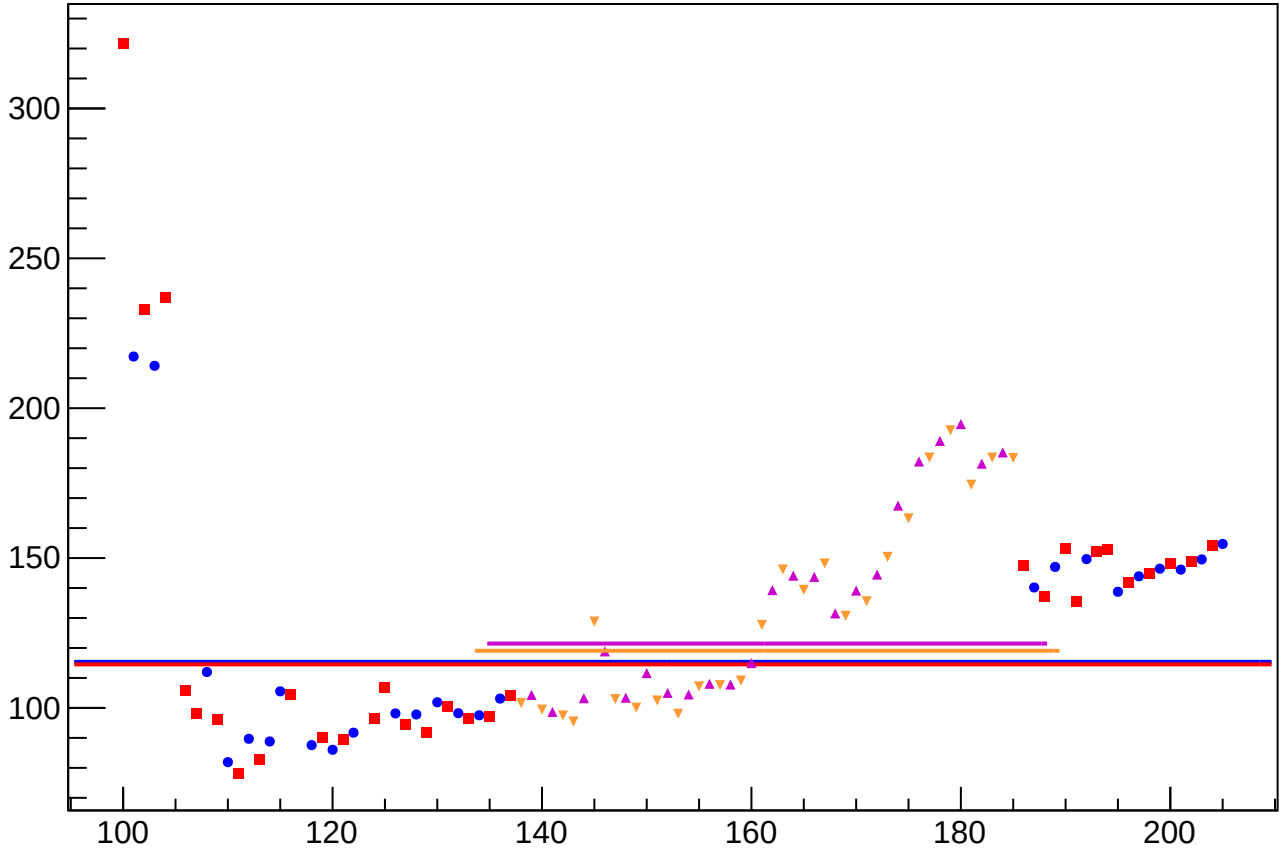
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1640.535+/-21.157 χ^2/NDF: 173380.1/49

All: -364.825+/-14.969 χ^2/NDF: 359632.8/10

- sign 913.837+/-21.182 χ^2/NDF: 178973.0/52

asym_bpm1i04WS_rms vs Slug



Right In: 115.364+/-0.023 χ^2/NDF: 1752024.9/24

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 114.527+/-0.022 χ^2/NDF: 2123991.4/29

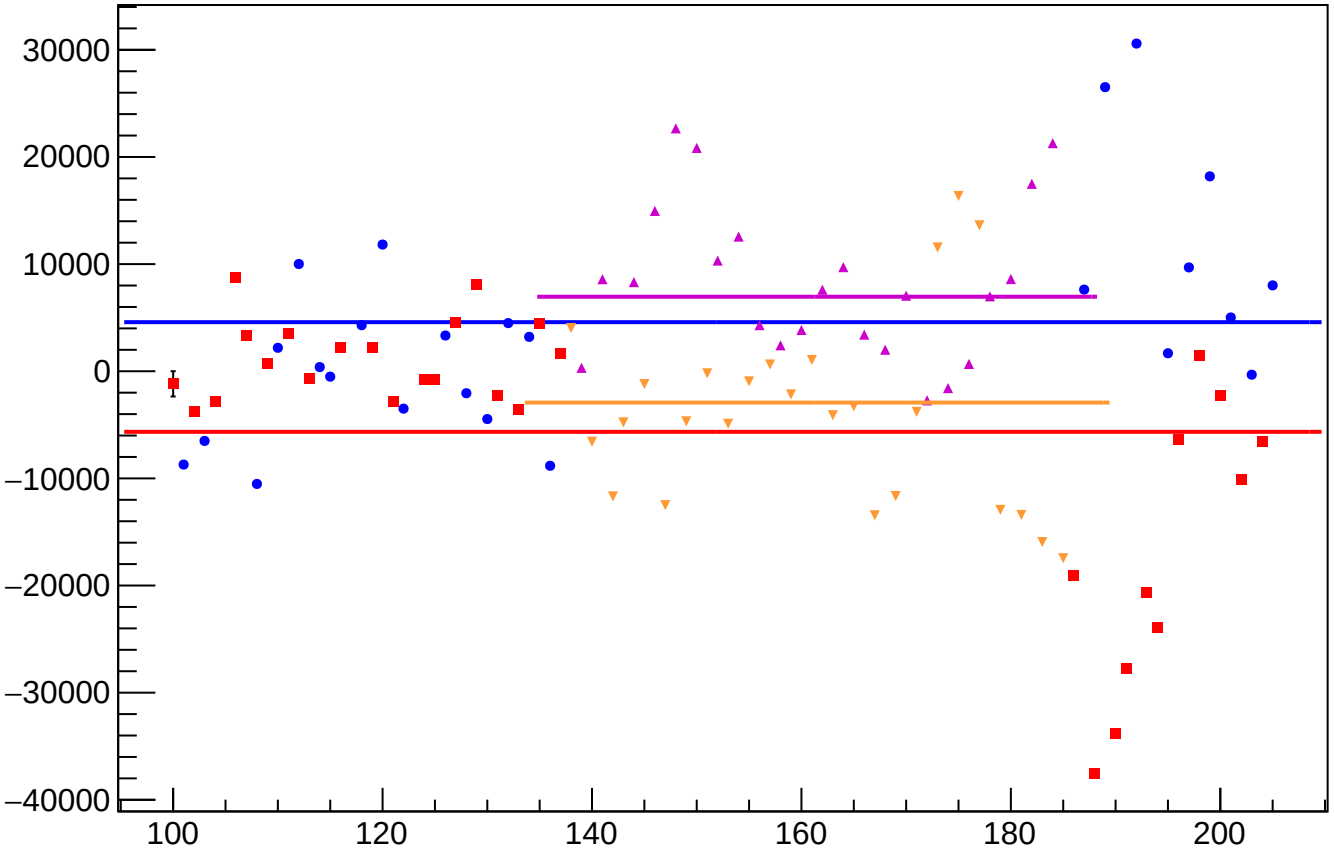
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 117.484+/-0.015 χ^2/NDF: 3522419.1/49

All: 117.825+/-0.011 χ^2/NDF: 7230389.9/102

- sign 118.167+/-0.015 χ^2/NDF: 3706930.3/52

asym_bpm1i06WS_mean vs Slug



Right In: 4581.830+/-42.534 χ^2/NDF: 61181.3/24

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5654.318+/-40.416 χ^2/NDF: 92459.6/29

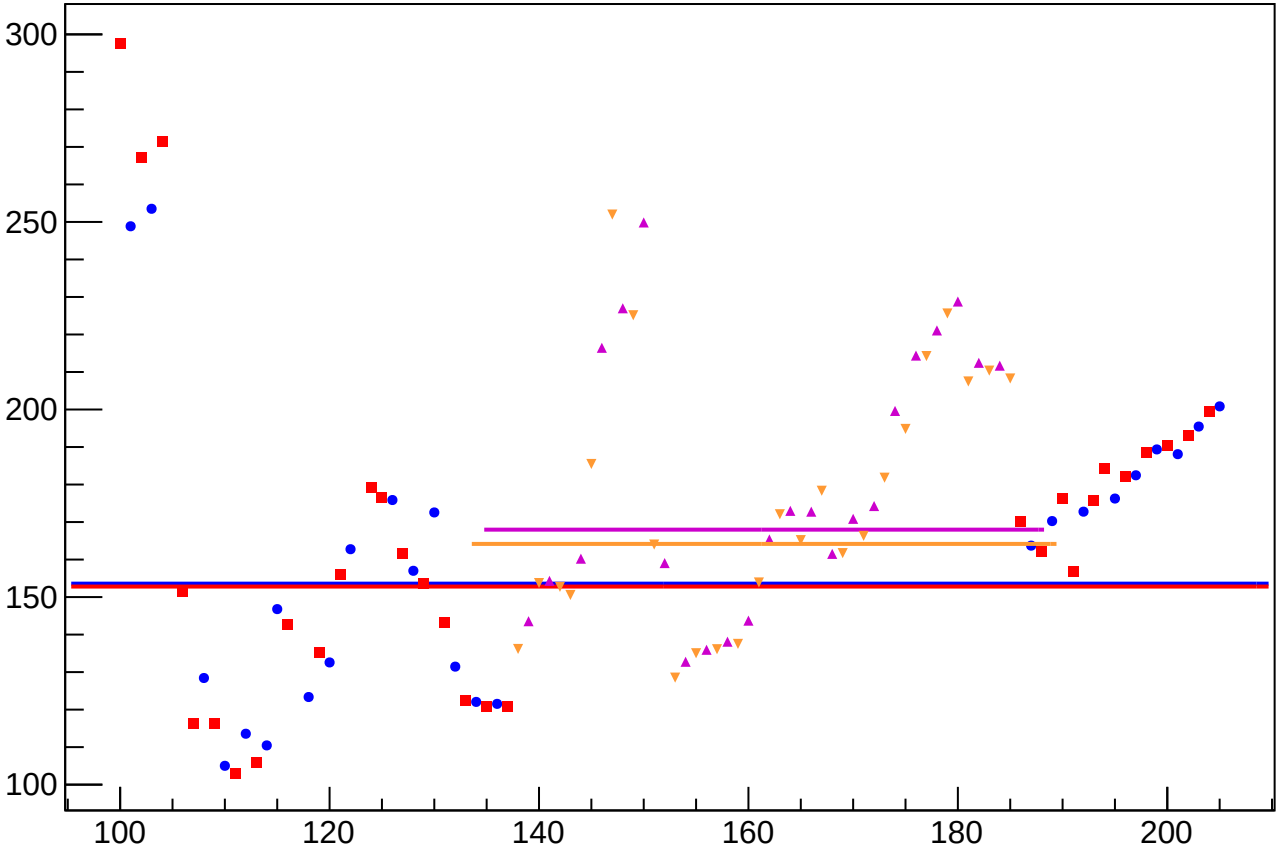
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 426.233+/-28.414 χ^2/NDF: 116472.8/49

All: 551.688+/-20.128 χ^2/NDF: 280199.4/102

- sign 678.061+/-28.518 χ^2/NDF: 163687.6/52

asym_bpm1i06WS_rms vs Slug



Right In: 153.580+/-0.030 χ^2/NDF: 1404882.3/24

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 152.804+/-0.029 χ^2/NDF: 1614577.2/29

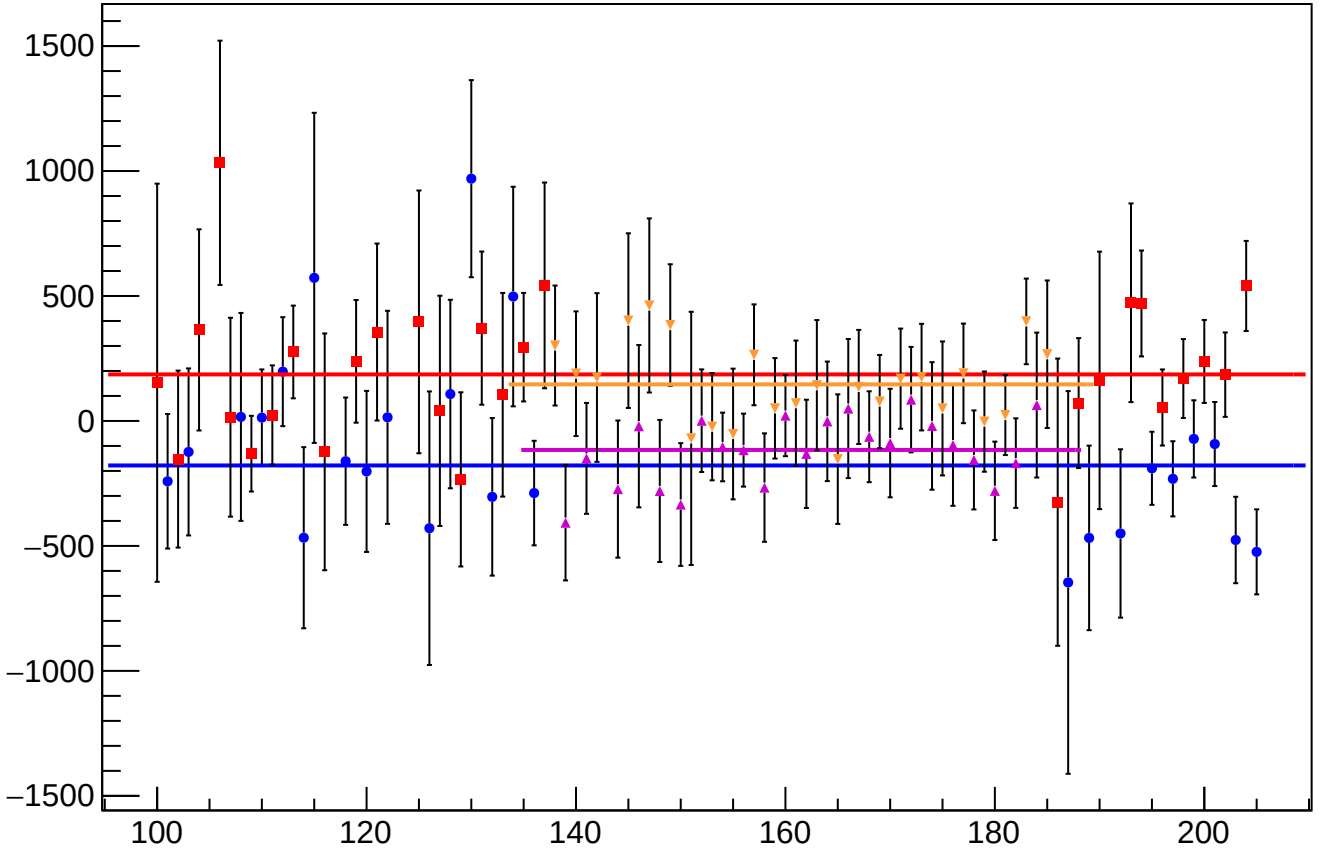
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 159.445+/-0.020 χ^2/NDF: 2697971.3/49

All: 159.932+/-0.014 χ^2/NDF: 5677979.7/102

- sign 160.422+/-0.020 χ^2/NDF: 2978831.7/52

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -178.039+/-48.451 χ^2/NDF: 28.1/24

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 186.204+/-47.176 χ^2/NDF: 21.4/27

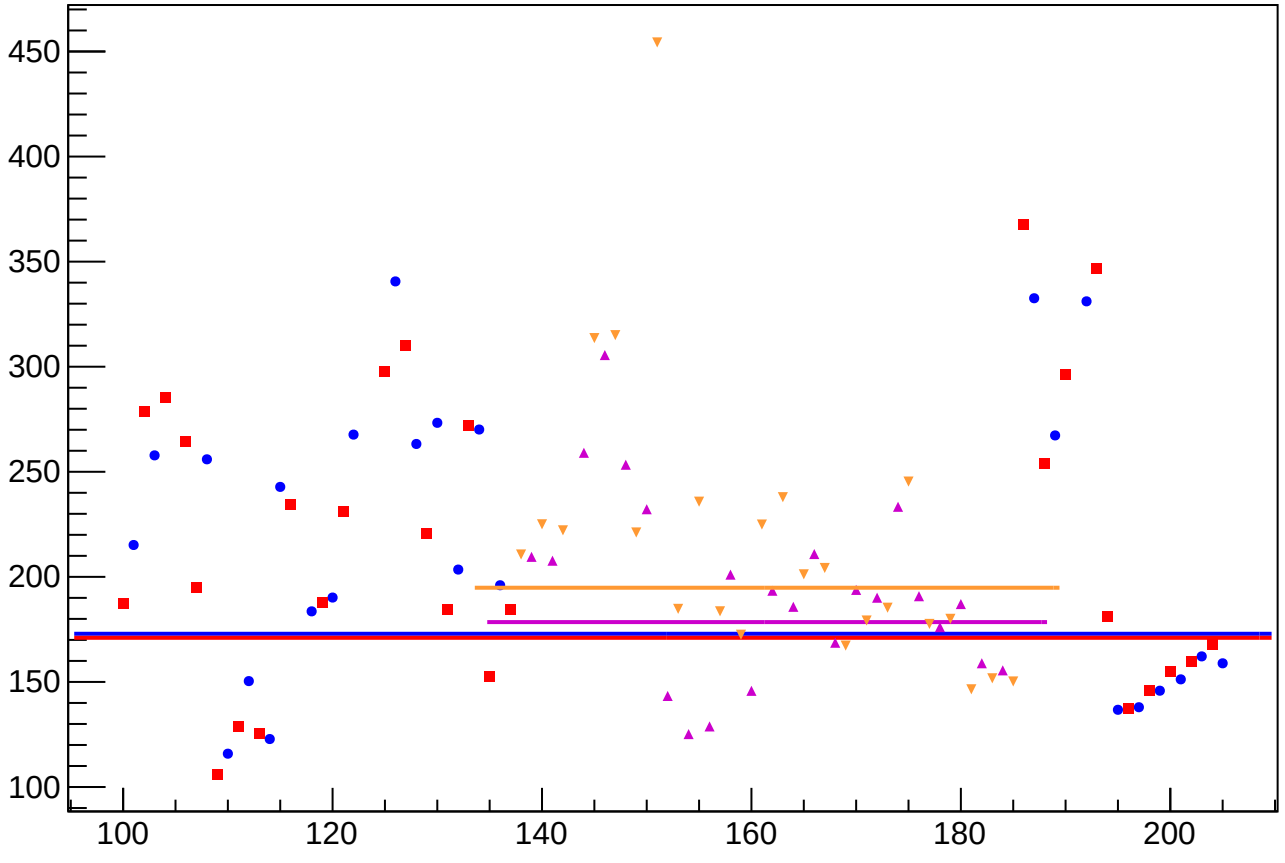
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -10.666+/-33.709 χ^2/NDF: 61.1/48

All: 7.160+/-23.216 χ^2/NDF: 112.9/99

- sign 23.246+/-32.021 χ^2/NDF: 51.2/50

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 172.919+/-0.034 χ^2/NDF: 2202348.6/24

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 171.006+/-0.033 χ^2/NDF: 2722285.2/27

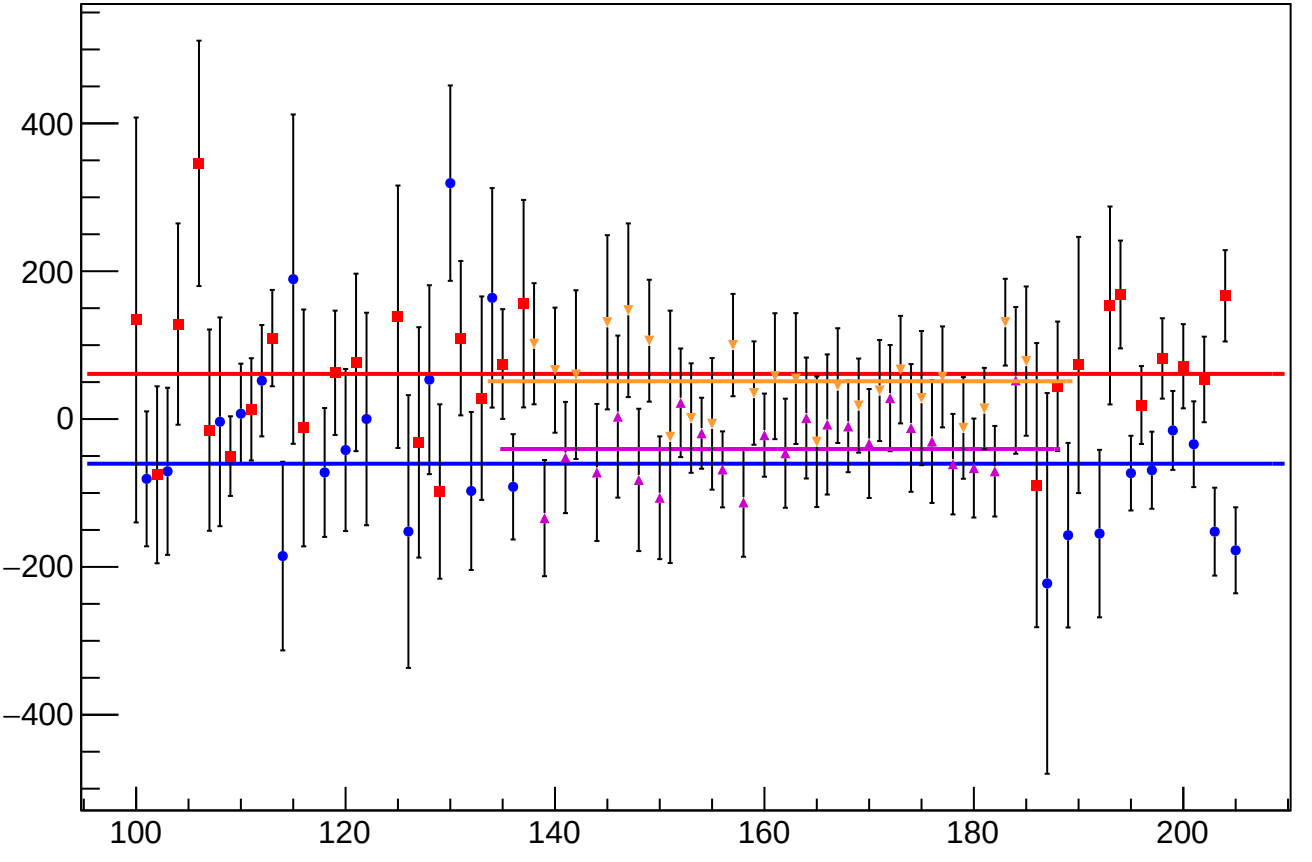
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 184.224+/-0.024 χ^2/NDF: 4165822.0/48

All: 179.393+/-0.016 χ^2/NDF: 8669544.2/99

- sign 175.034+/-0.023 χ^2/NDF: 4425590.4/50

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -60.399+/-16.647 χ^2/NDF: 26.9/24

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 61.109+/-16.245 χ^2/NDF: 20.6/27

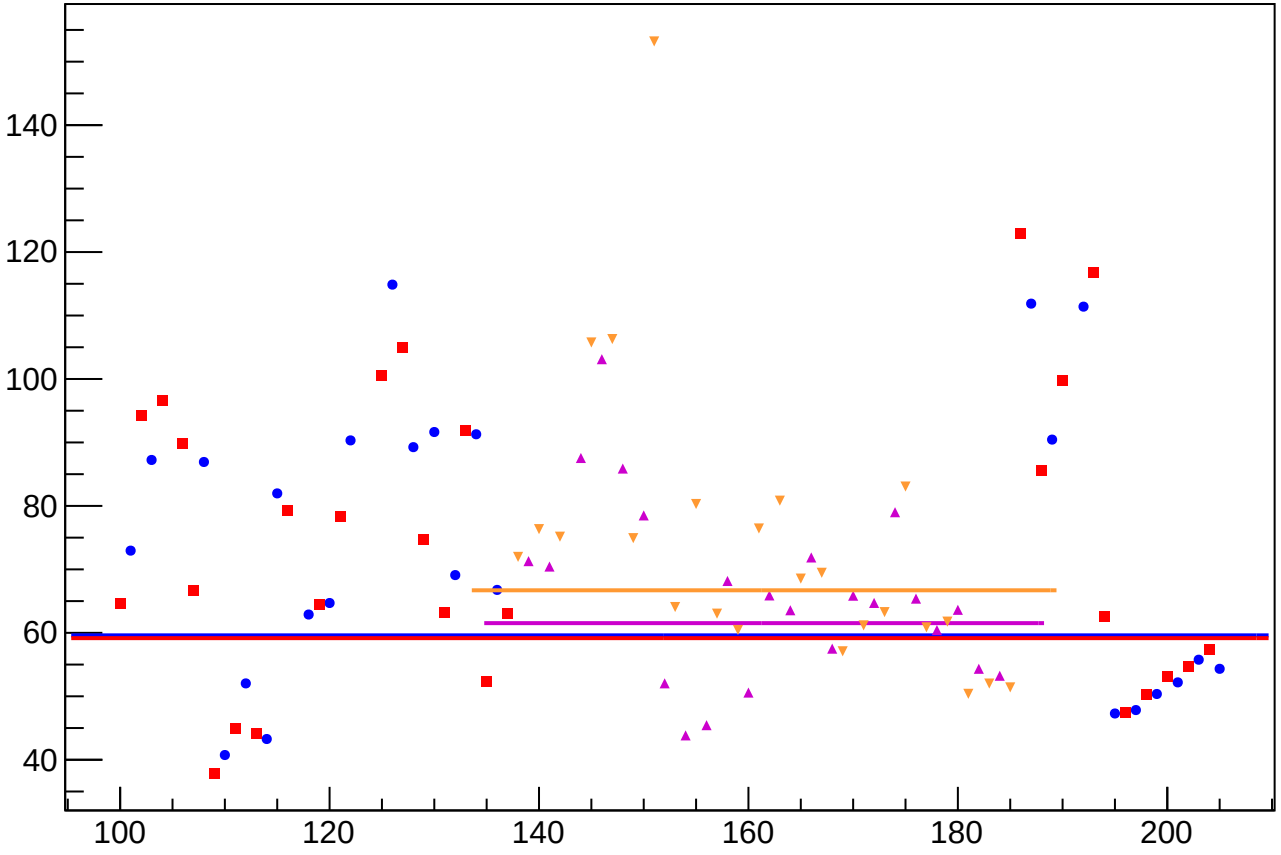
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -2.536+/-11.550 χ^2/NDF: 58.3/48

All: 2.023+/-7.970 χ^2/NDF: 108.2/99

- sign 6.166+/-11.012 χ^2/NDF: 49.6/50

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.603+/-0.012 χ^2/NDF: 2056067.6/24

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.164+/-0.011 χ^2/NDF: 2518413.1/27

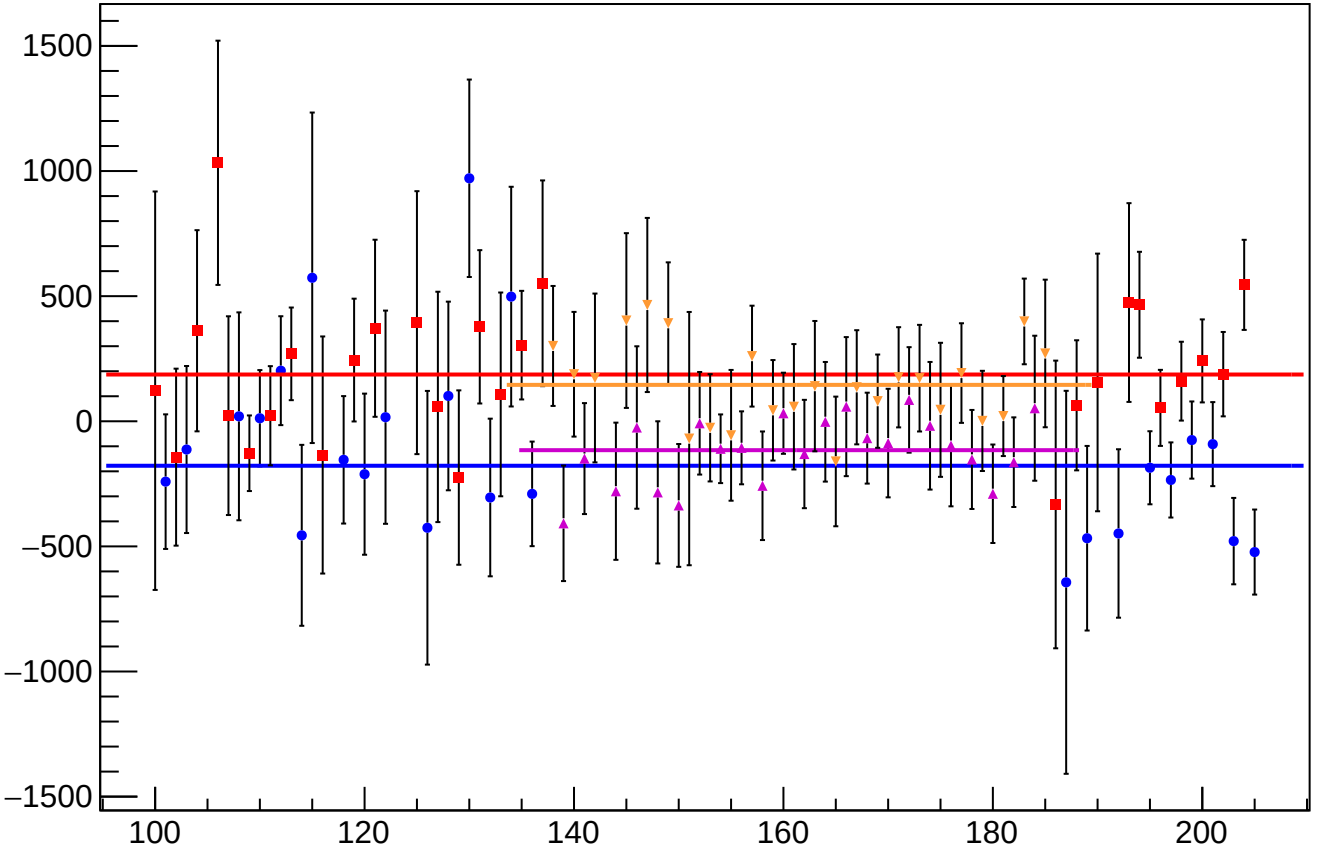
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 63.286+/-0.008 χ^2/NDF: 3921058.8/48

All: 61.796+/-0.006 χ^2/NDF: 8015756.1/99

- sign 60.442+/-0.008 χ^2/NDF: 4031180.1/50

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 186.864+/-47.117 χ^2/NDF: 21.6/27

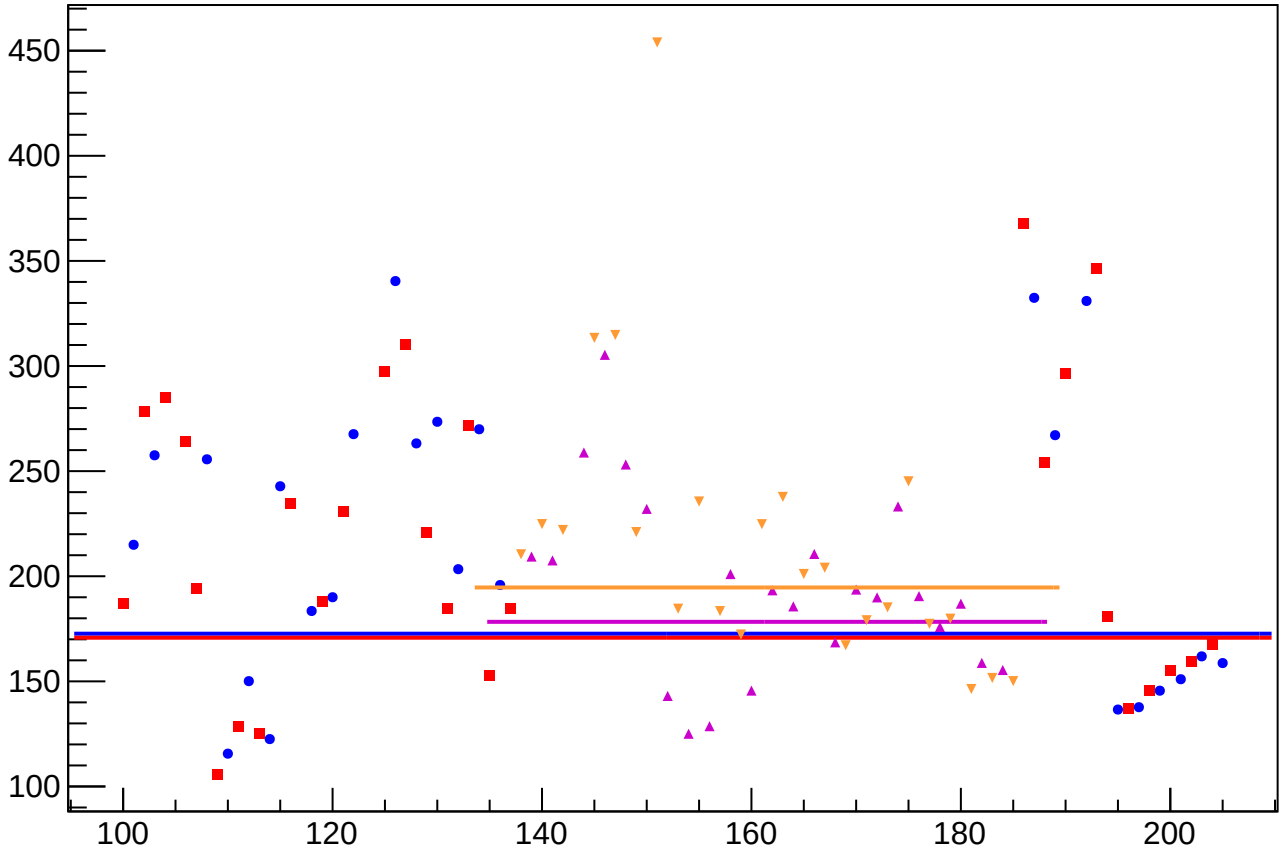
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -11.048+/-33.673 χ^2/NDF: 61.4/48

All: 7.309+/-23.192 χ^2/NDF: 113.5/99

- sign 23.875+/-31.988 χ^2/NDF: 51.5/50

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.764+/-0.033 χ^2/NDF: 2730548.5/27

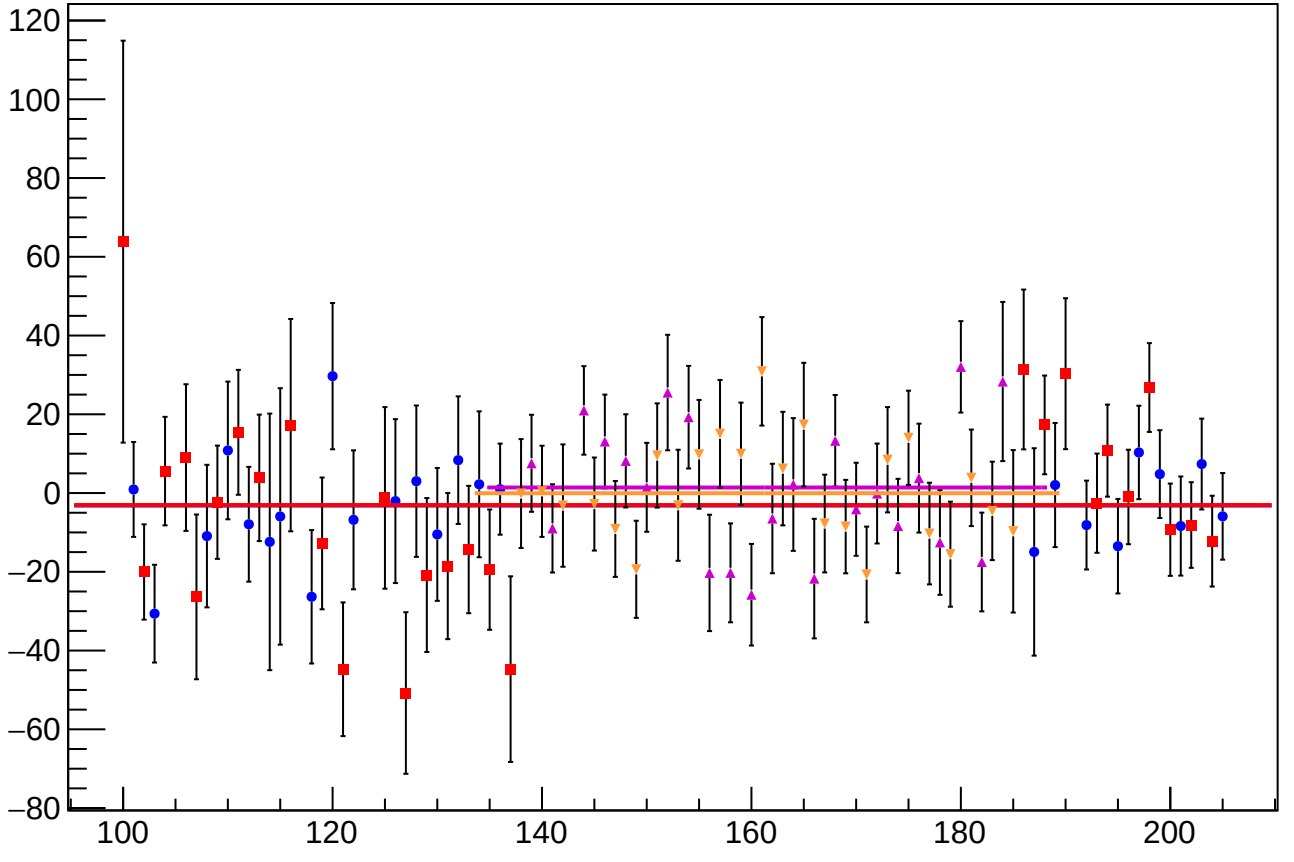
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 184.012+/-0.024 χ^2/NDF: 4174986.2/48

All: 179.189+/-0.016 χ^2/NDF: 8689647.4/99

- sign 174.836+/-0.023 χ^2/NDF: 4436598.0/50

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -3.065+/-2.867 χ^2/NDF: 44.0/27

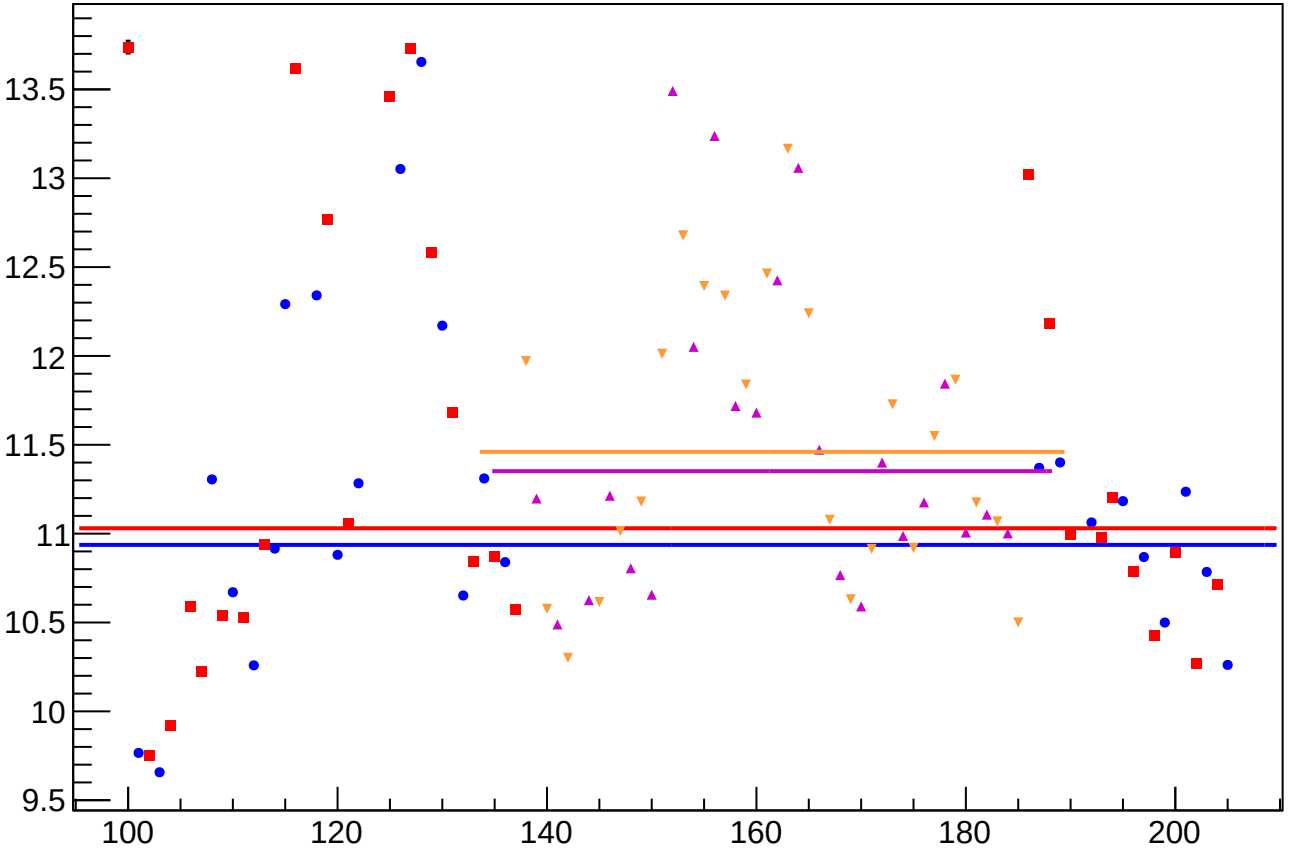
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.460+/-1.981 χ^2/NDF: 37.3/48

All: -1.062+/-1.392 χ^2/NDF: 119.0/99

- sign -0.673+/-1.956 χ^2/NDF: 81.7/50

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.030+/-0.002 χ^2/NDF: 217452.9/27

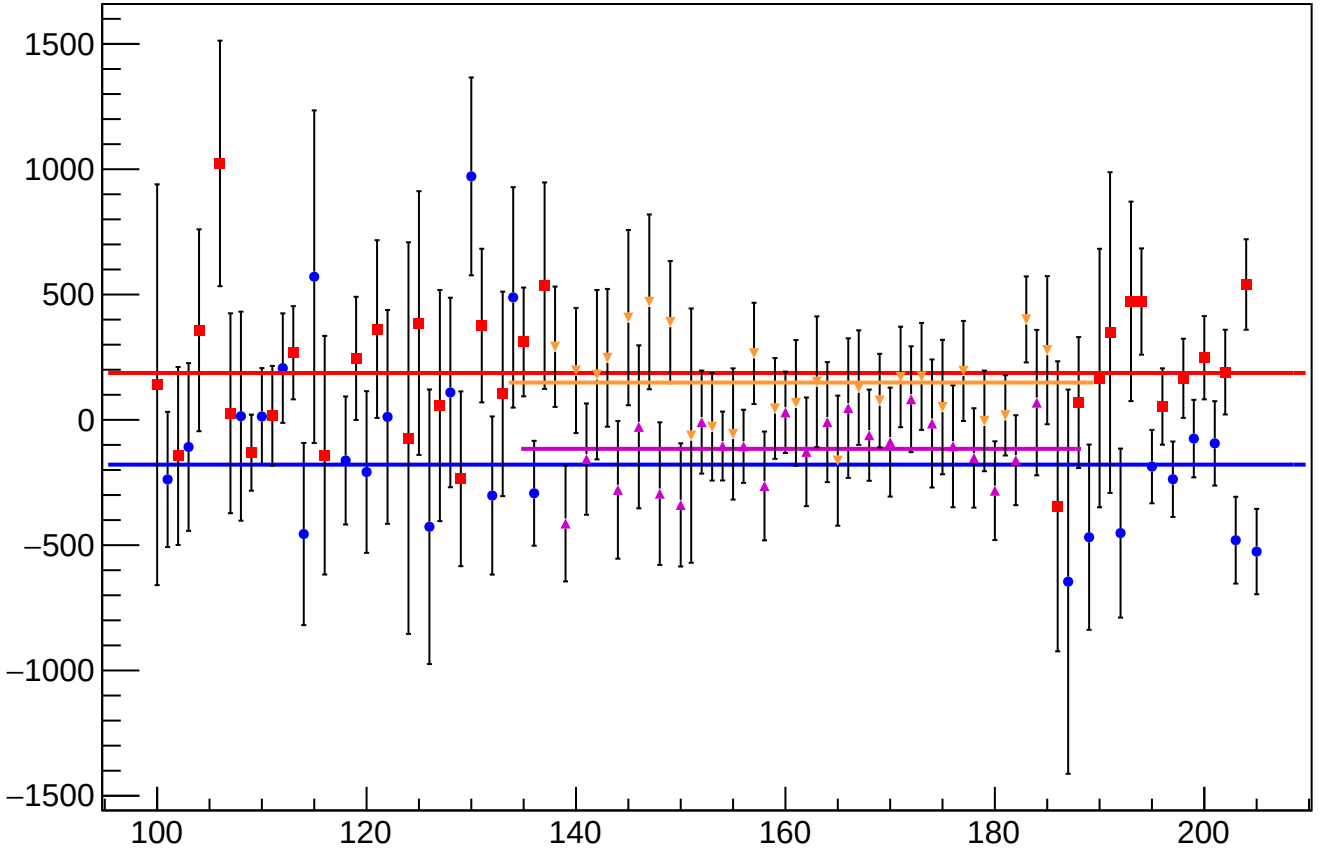
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.222+/-0.001 χ^2/NDF: 337181.7/48

All: 11.212+/-0.001 χ^2/NDF: 738739.1/99

- sign 11.202+/-0.001 χ^2/NDF: 401459.7/50

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -178.708+/-48.520 χ^2/NDF: 28.2/24

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 187.095+/-47.036 χ^2/NDF: 21.7/29

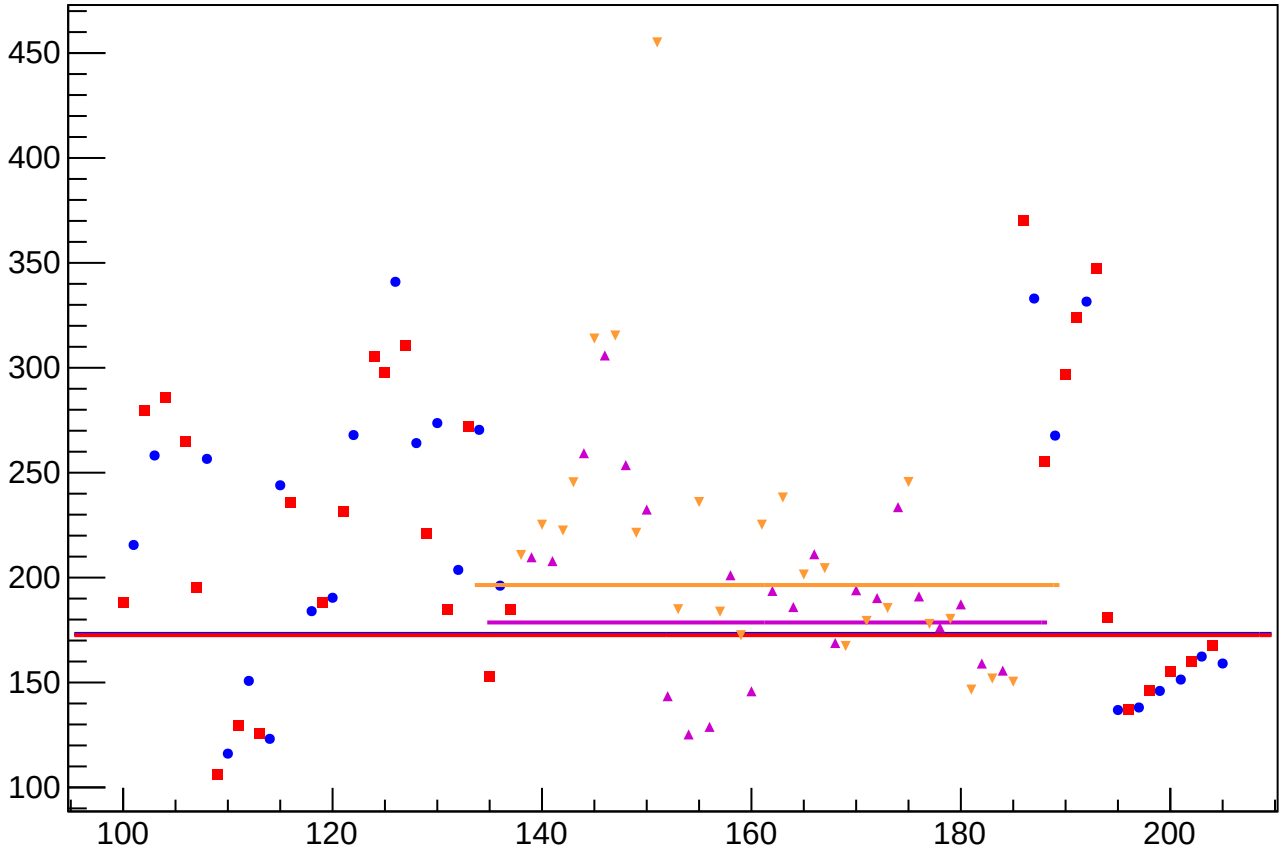
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -7.258+/-33.499 χ^2/NDF: 62.5/49

All: 9.284+/-23.136 χ^2/NDF: 114.7/102

- sign 24.372+/-31.992 χ^2/NDF: 51.7/52

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

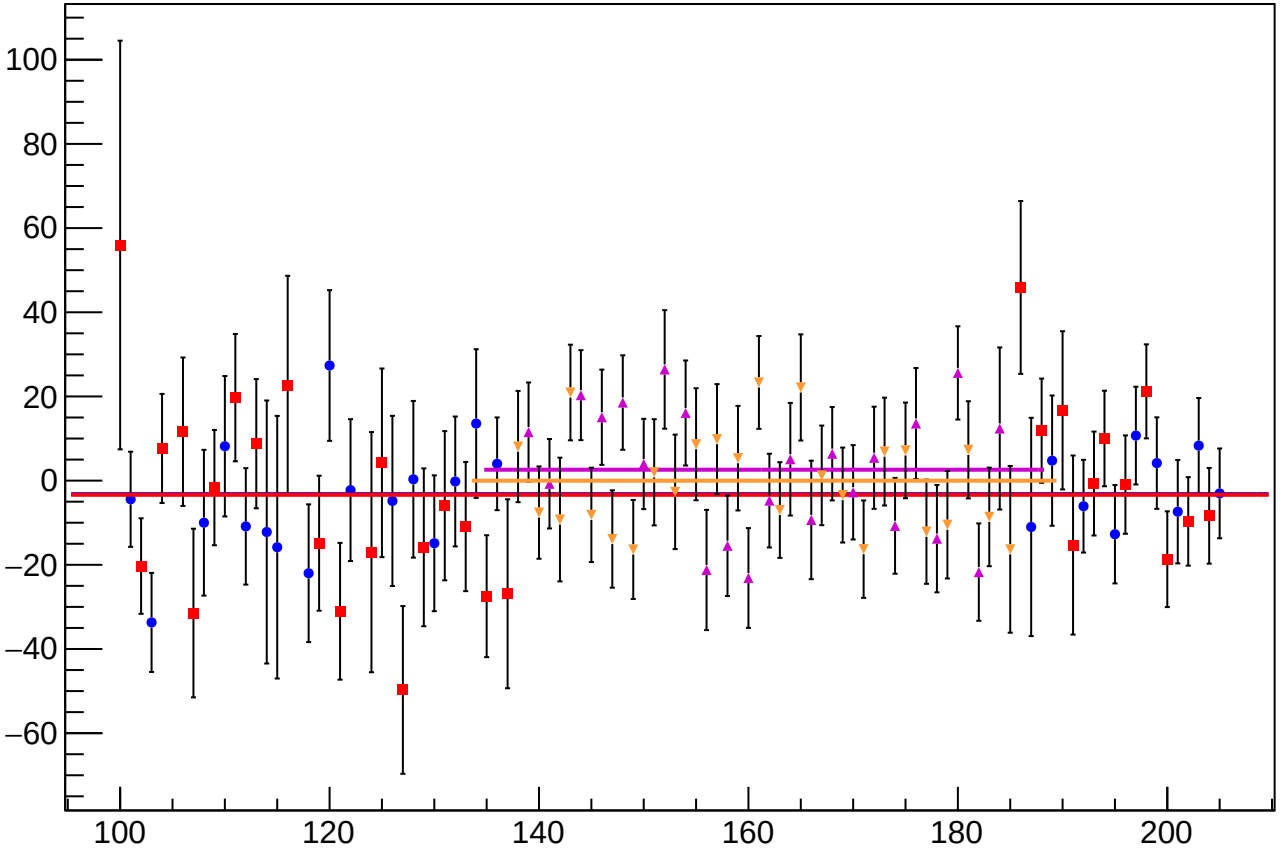
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 185.350+/-0.024 χ^2/NDF: 4263402.5/49

All: 180.364+/-0.016 χ^2/NDF: 8943508.9/102

- sign 175.816+/-0.023 χ^2/NDF: 4595372.2/52

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.357+/-2.733 χ^2/NDF: 42.3/29

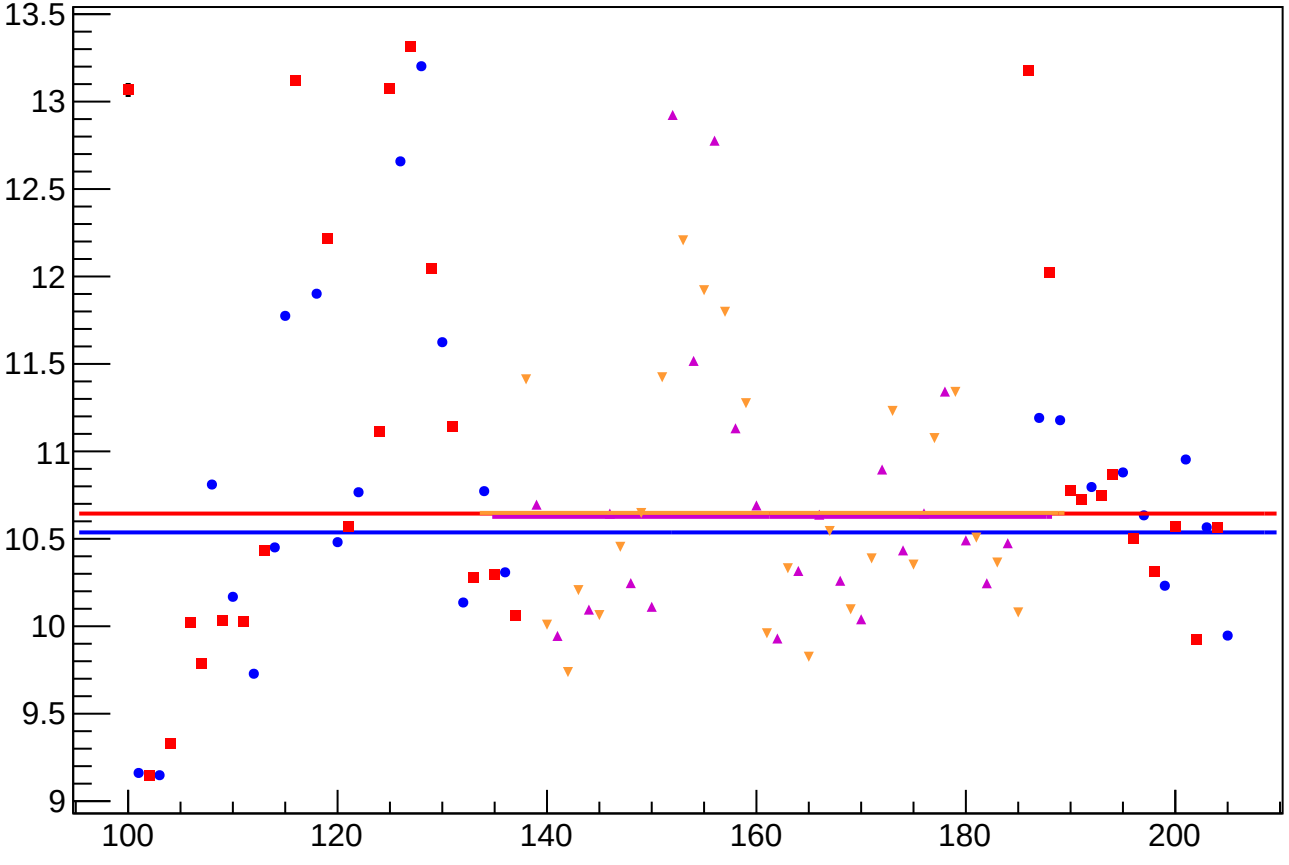
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.381+/-1.850 χ^2/NDF: 42.7/49

All: -0.752+/-1.307 χ^2/NDF: 122.5/102

- sign -0.125+/-1.847 χ^2/NDF: 79.6/52

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

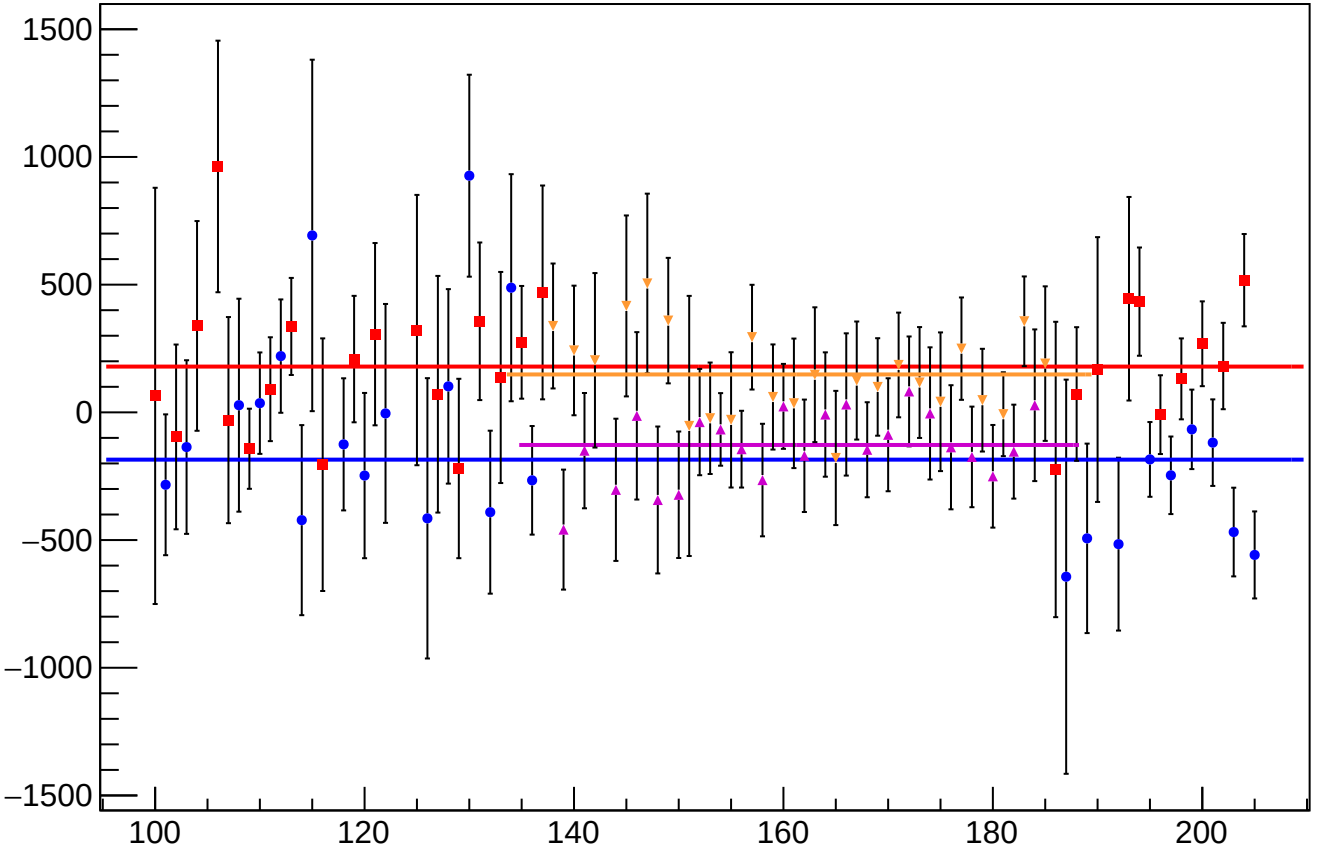
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.601+/-0.001 χ^2/NDF: 320947.6/49

All: 10.617+/-0.001 χ^2/NDF: 736979.3/102

- sign 10.634+/-0.001 χ^2/NDF: 415700.5/52

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 179.228+/-47.746 χ^2/NDF: 19.7/27

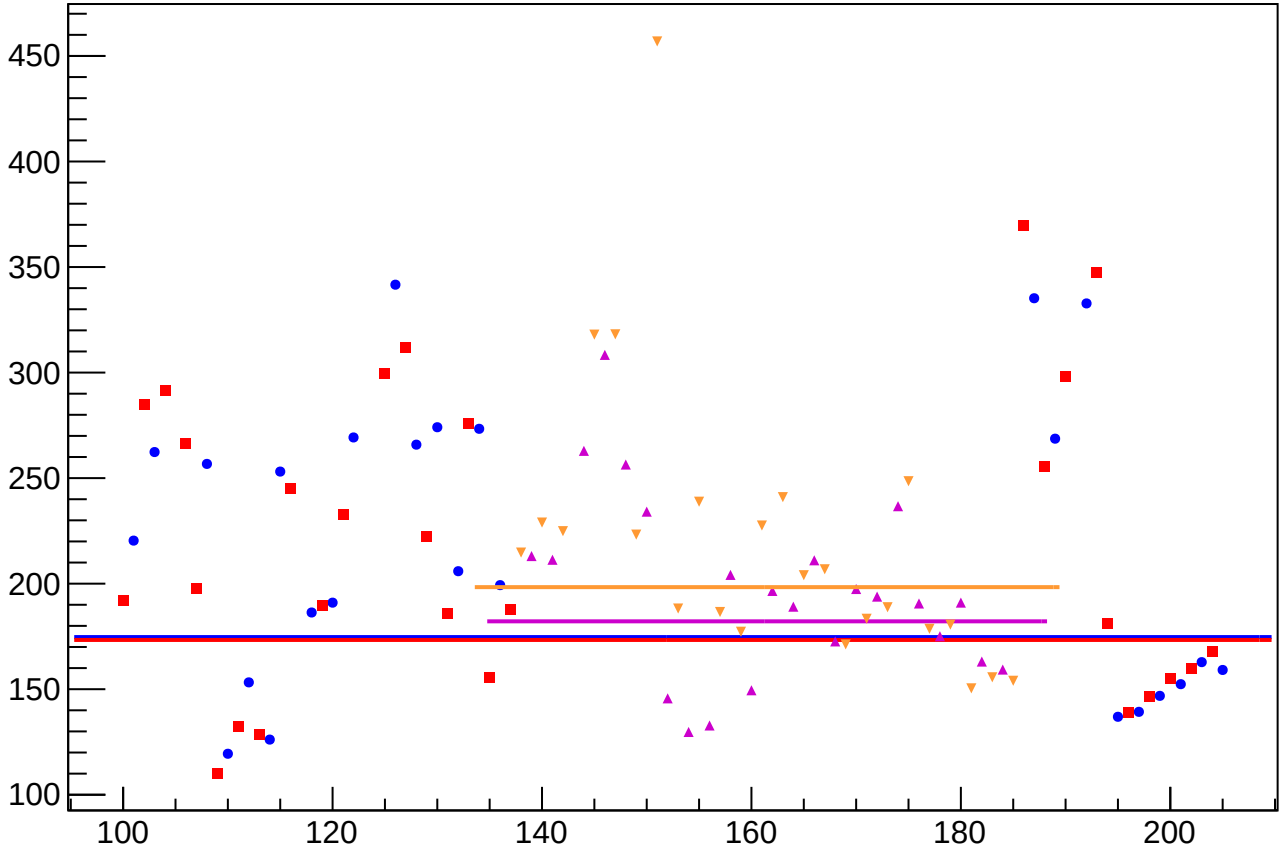
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -14.168+/-34.164 χ^2/NDF: 62.8/48

All: 0.985+/-23.557 χ^2/NDF: 112.9/99

- sign 14.718+/-32.525 χ^2/NDF: 49.7/50

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.334+/-0.034 χ^2/NDF: 2660147.4/27

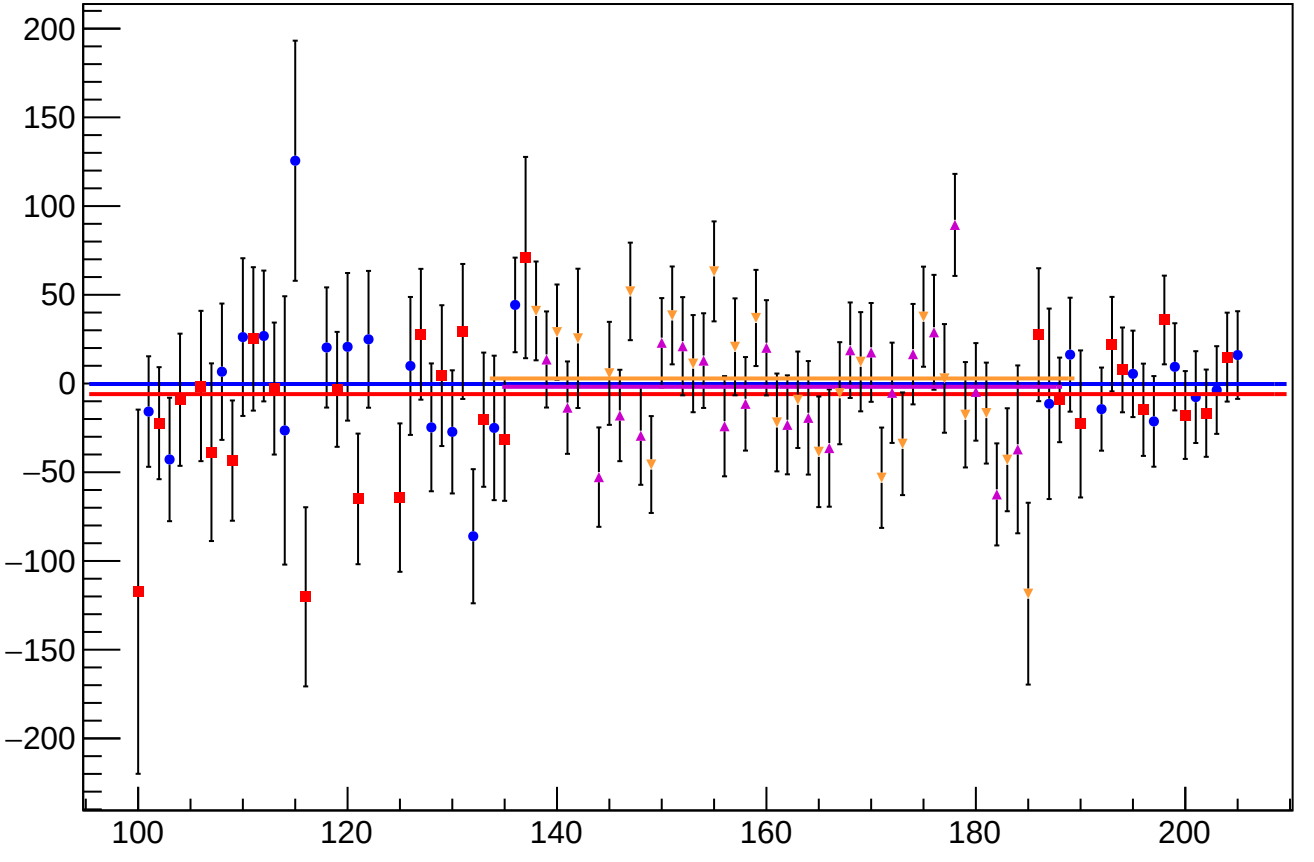
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 186.819+/-0.024 χ^2/NDF: 4131037.2/48

All: 182.224+/-0.017 χ^2/NDF: 8481061.4/99

- sign 178.059+/-0.023 χ^2/NDF: 4281054.2/50

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -5.966+/-6.235 χ^2/NDF: 24.1/27

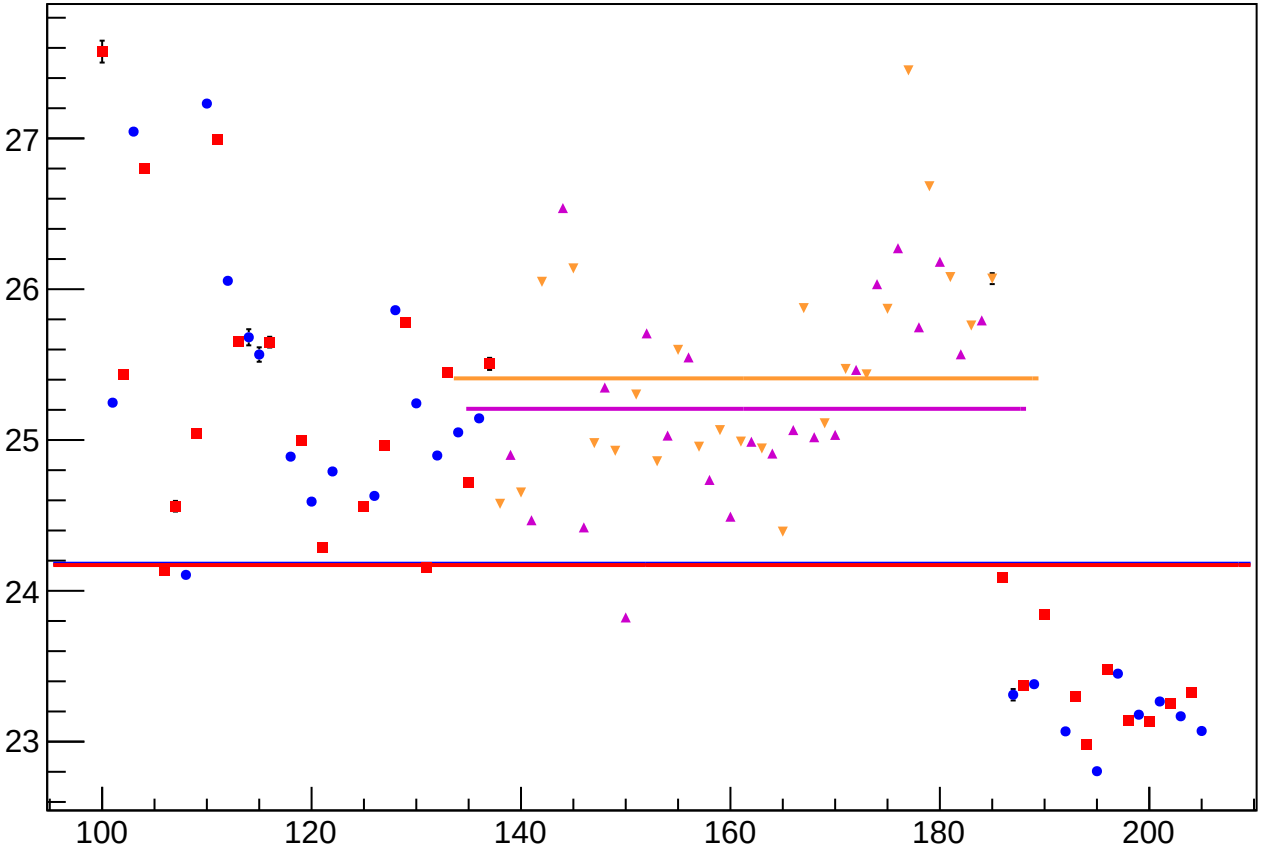
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.425+/-4.355 χ^2/NDF: 55.9/48

All: -1.227+/-3.053 χ^2/NDF: 109.0/99

- sign -3.792+/-4.283 χ^2/NDF: 52.4/50

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.171+/-0.004 χ^2/NDF: 63922.2/27

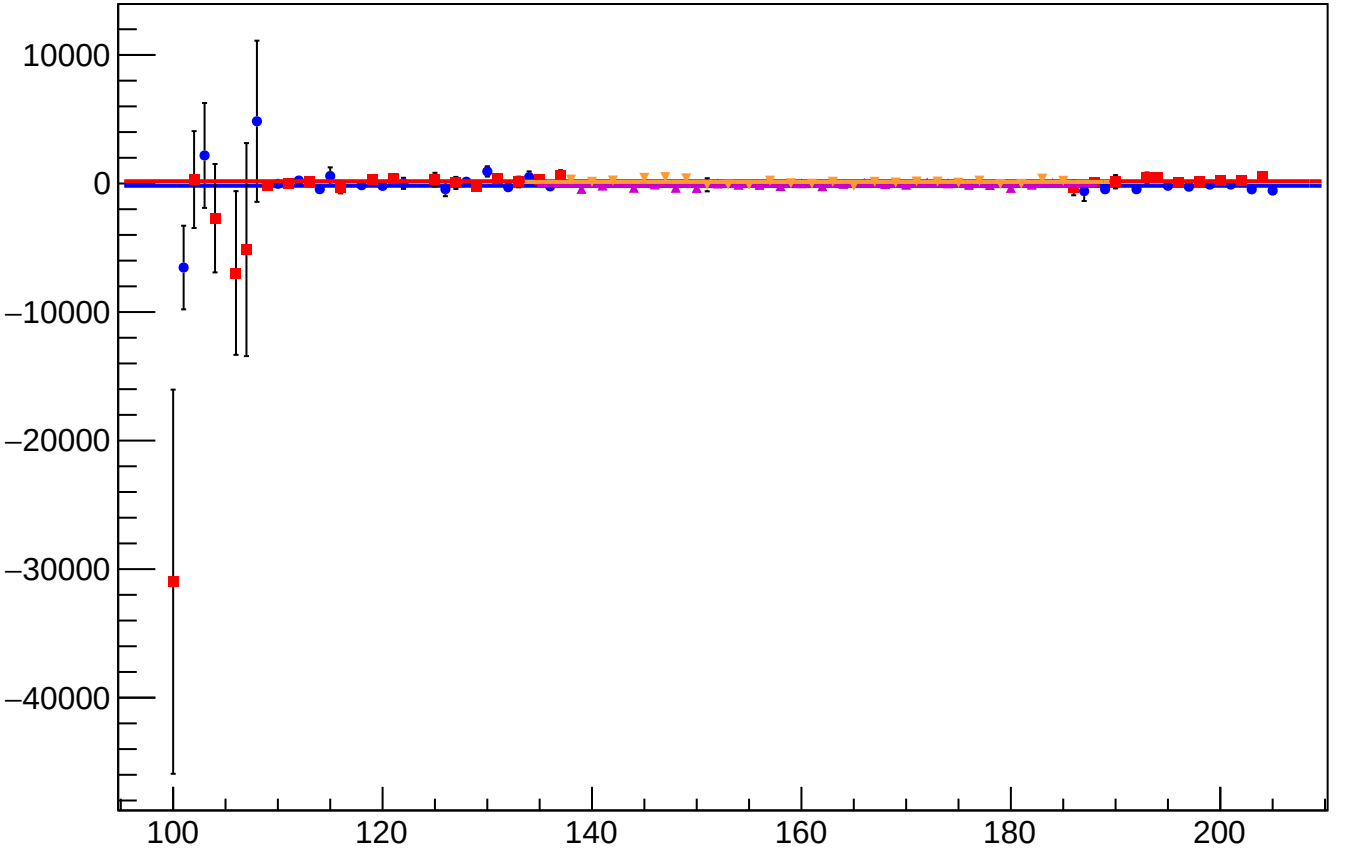
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.848+/-0.003 χ^2/NDF: 138351.0/48

All: 24.782+/-0.002 χ^2/NDF: 258161.7/99

- sign 24.718+/-0.003 χ^2/NDF: 118903.4/50

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 179.126+/-50.849 χ^2/NDF: 22.1/27

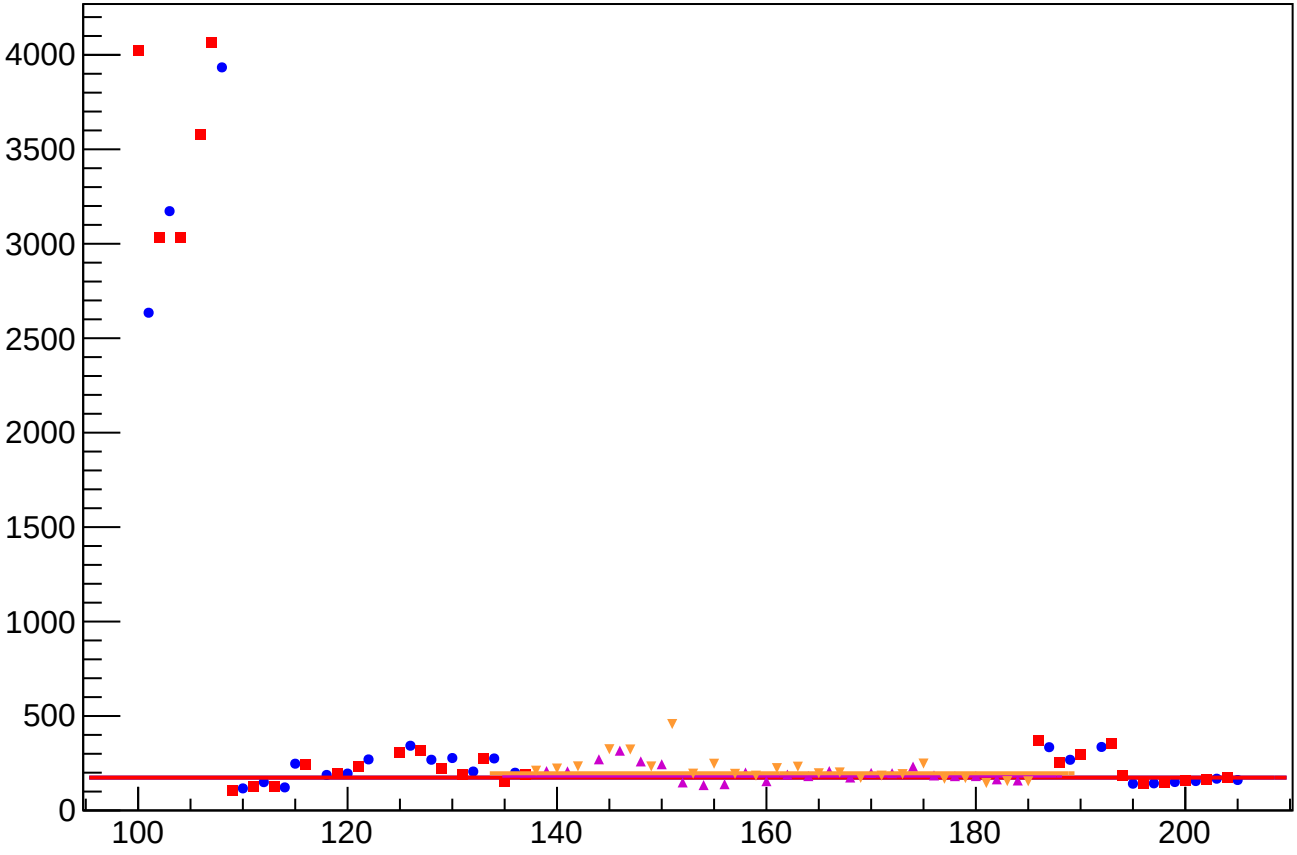
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -16.121+/-34.838 χ^2/NDF: 61.2/48

All: -1.145+/-24.188 χ^2/NDF: 111.1/99

- sign 12.792+/-33.609 χ^2/NDF: 49.5/50

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.940+/-0.036 χ^2/NDF: 5333302.5/27

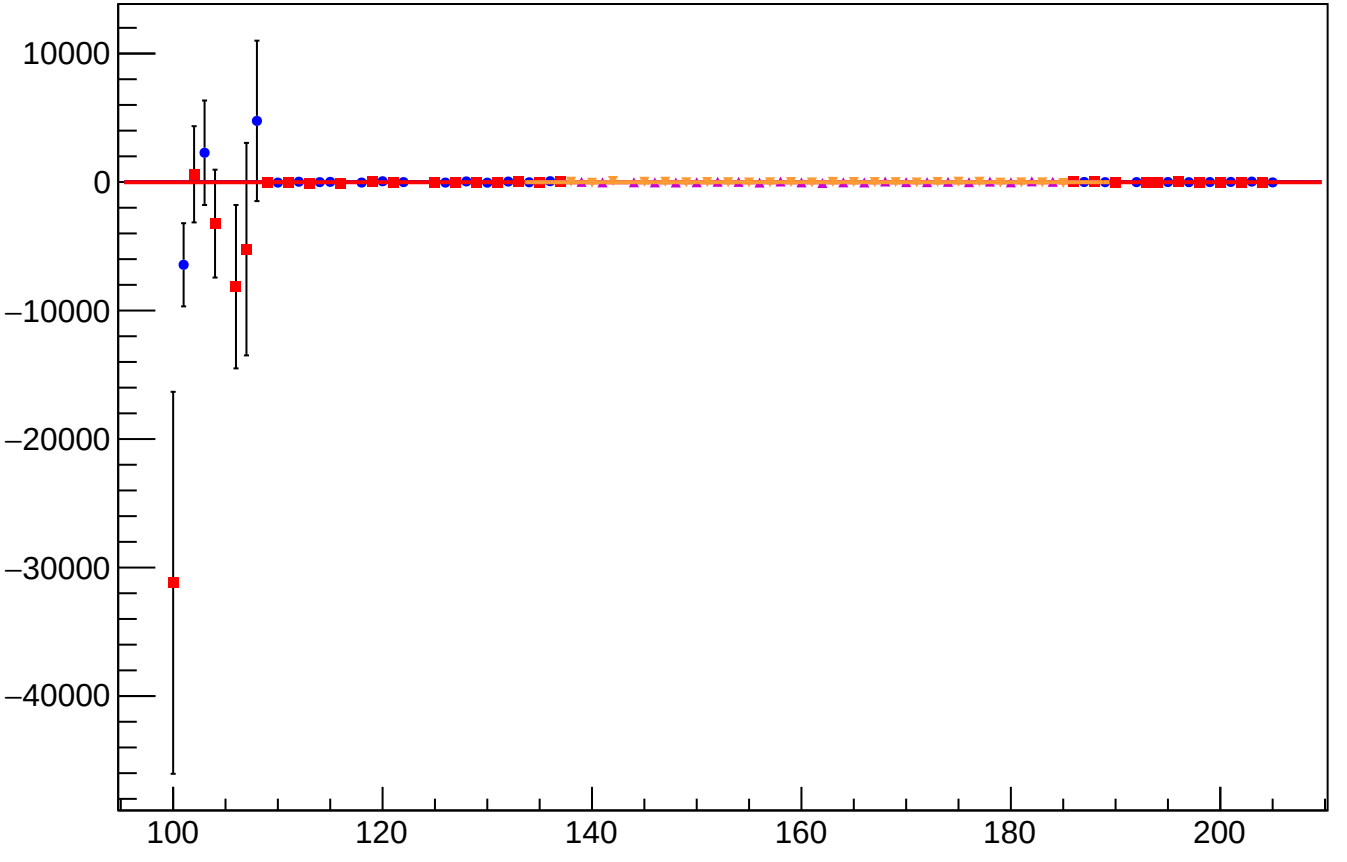
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 186.289+/-0.025 χ^2/NDF: 6856357.7/48

All: 182.842+/-0.017 χ^2/NDF: 13717417.7/99

- sign 179.634+/-0.024 χ^2/NDF: 6823261.0/50

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -14.670+/-7.651 χ^2/NDF: 28.5/27

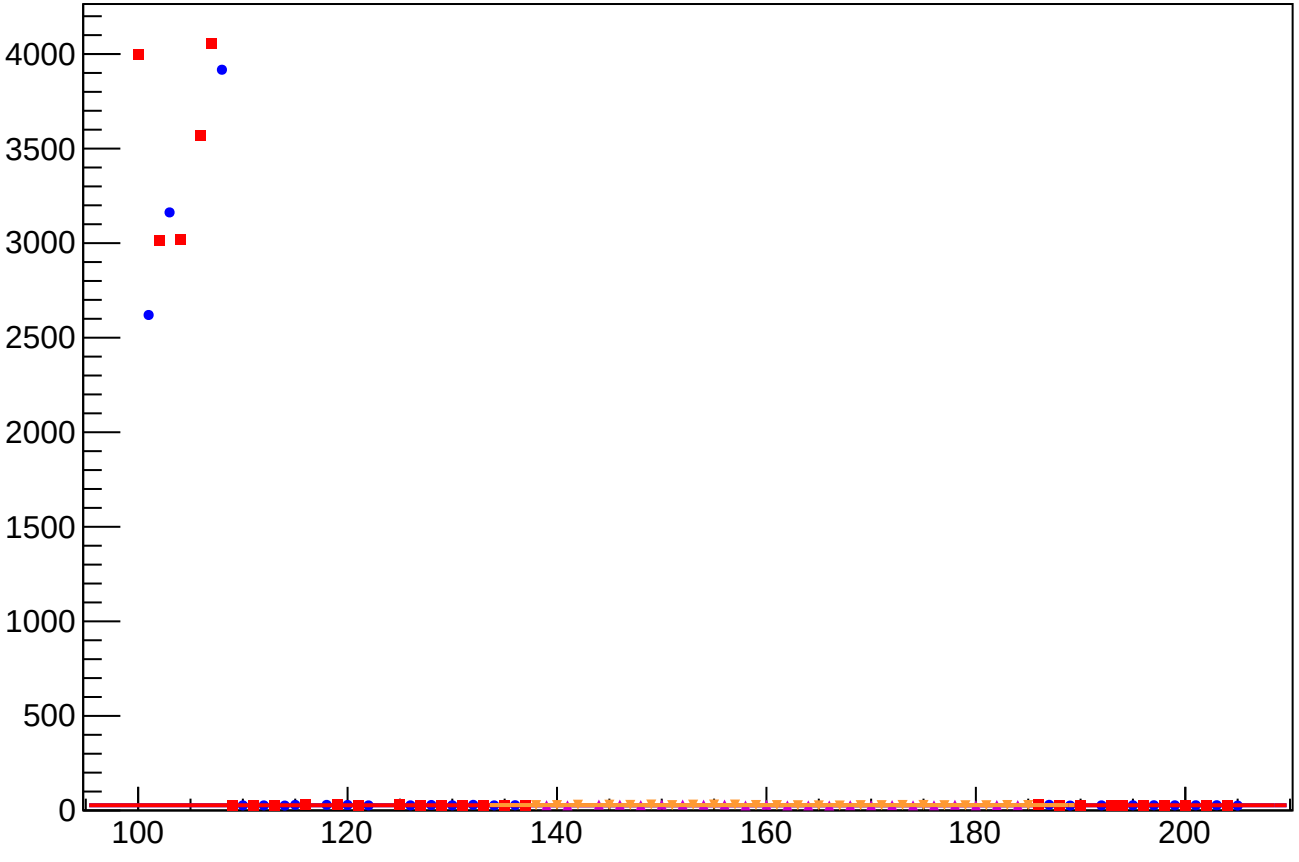
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -5.631+/-5.051 χ^2/NDF: 40.3/48

All: -6.742+/-3.573 χ^2/NDF: 92.5/99

- sign -7.854+/-5.054 χ^2/NDF: 52.1/50

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.526+/-0.005 χ^2/NDF: 3581517.0/27

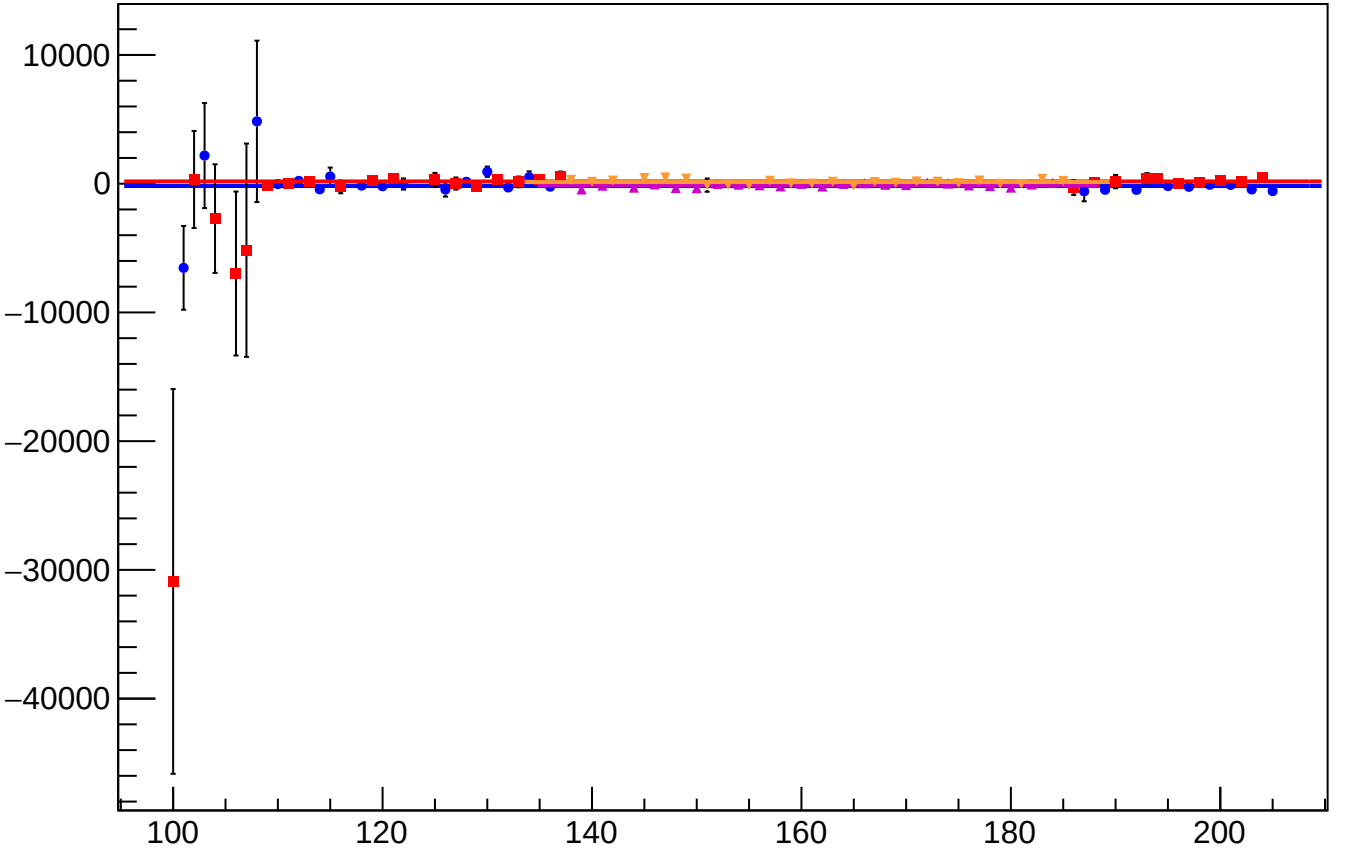
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.077+/-0.004 χ^2/NDF: 3392604.0/48

All: 28.140+/-0.003 χ^2/NDF: 7129941.8/99

- sign 28.203+/-0.004 χ^2/NDF: 3736715.5/50

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 175.843+/-51.065 χ^2/NDF: 20.3/27

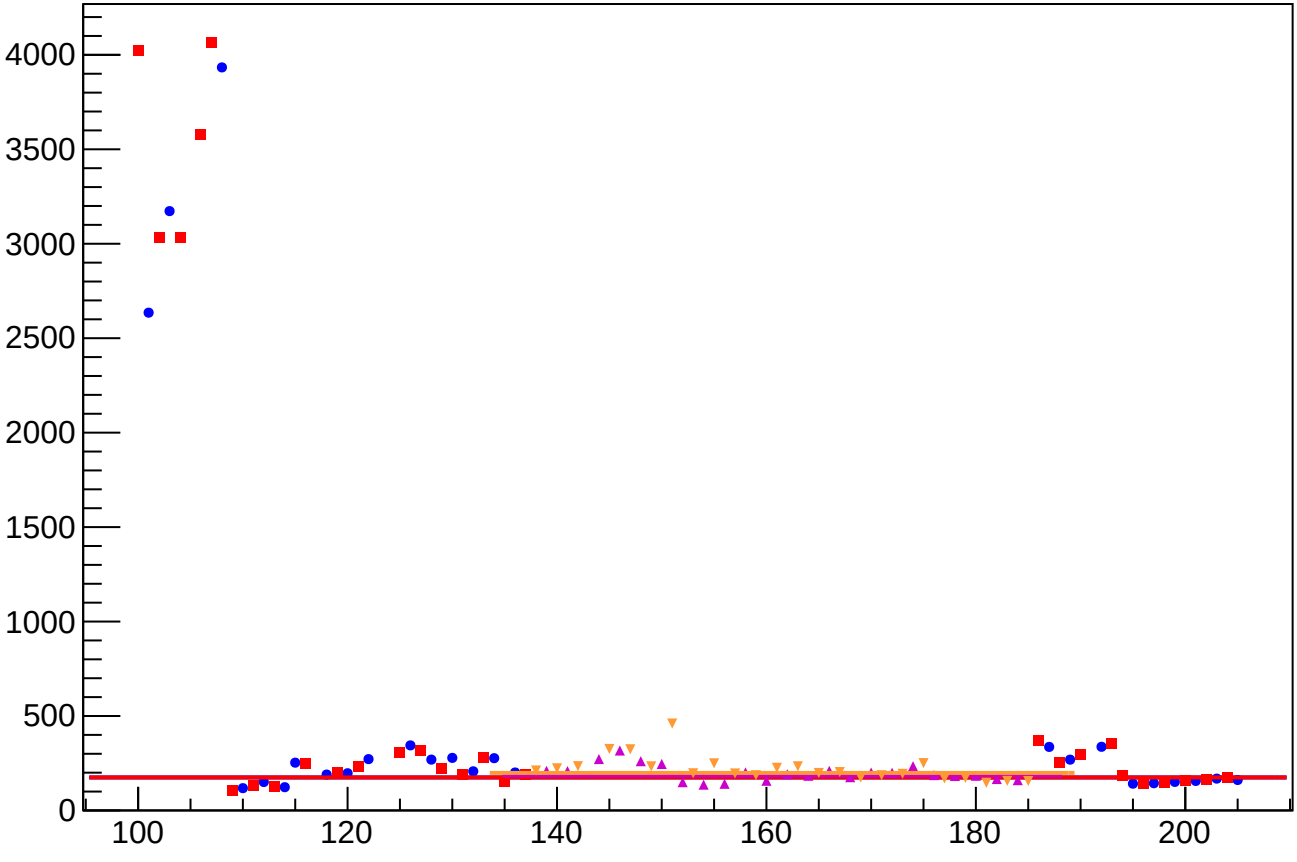
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -16.295+/-35.073 χ^2/NDF: 62.4/48

All: -3.516+/-24.355 χ^2/NDF: 110.1/99

- sign 8.383+/-33.845 χ^2/NDF: 47.5/50

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.737+/-0.036 χ^2/NDF: 5321416.1/27

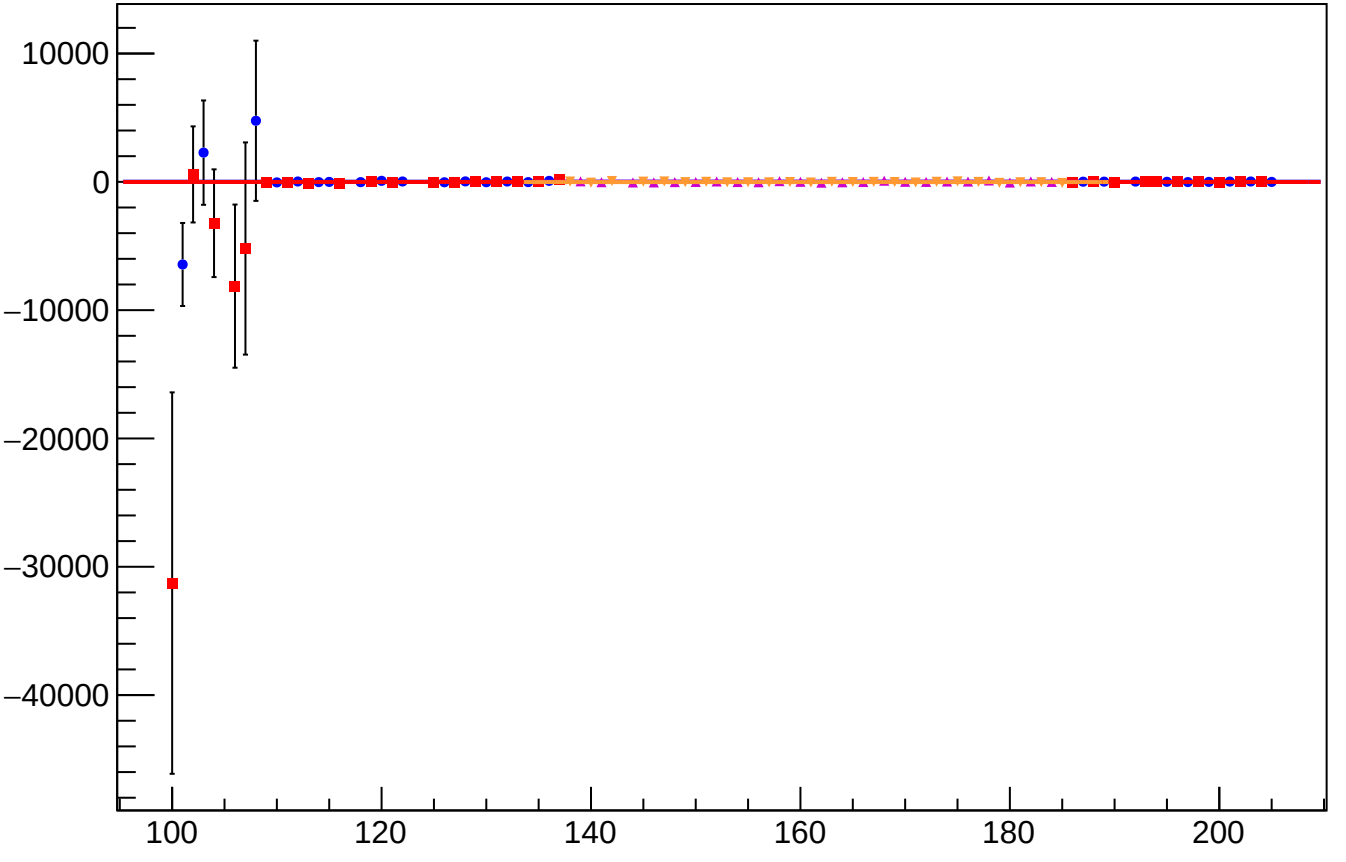
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 187.574+/-0.025 χ^2/NDF: 6846916.0/48

All: 184.160+/-0.017 χ^2/NDF: 13663773.6/99

- sign 180.980+/-0.024 χ^2/NDF: 6780256.6/50

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -8.110+/-8.446 χ^2/NDF: 36.8/27

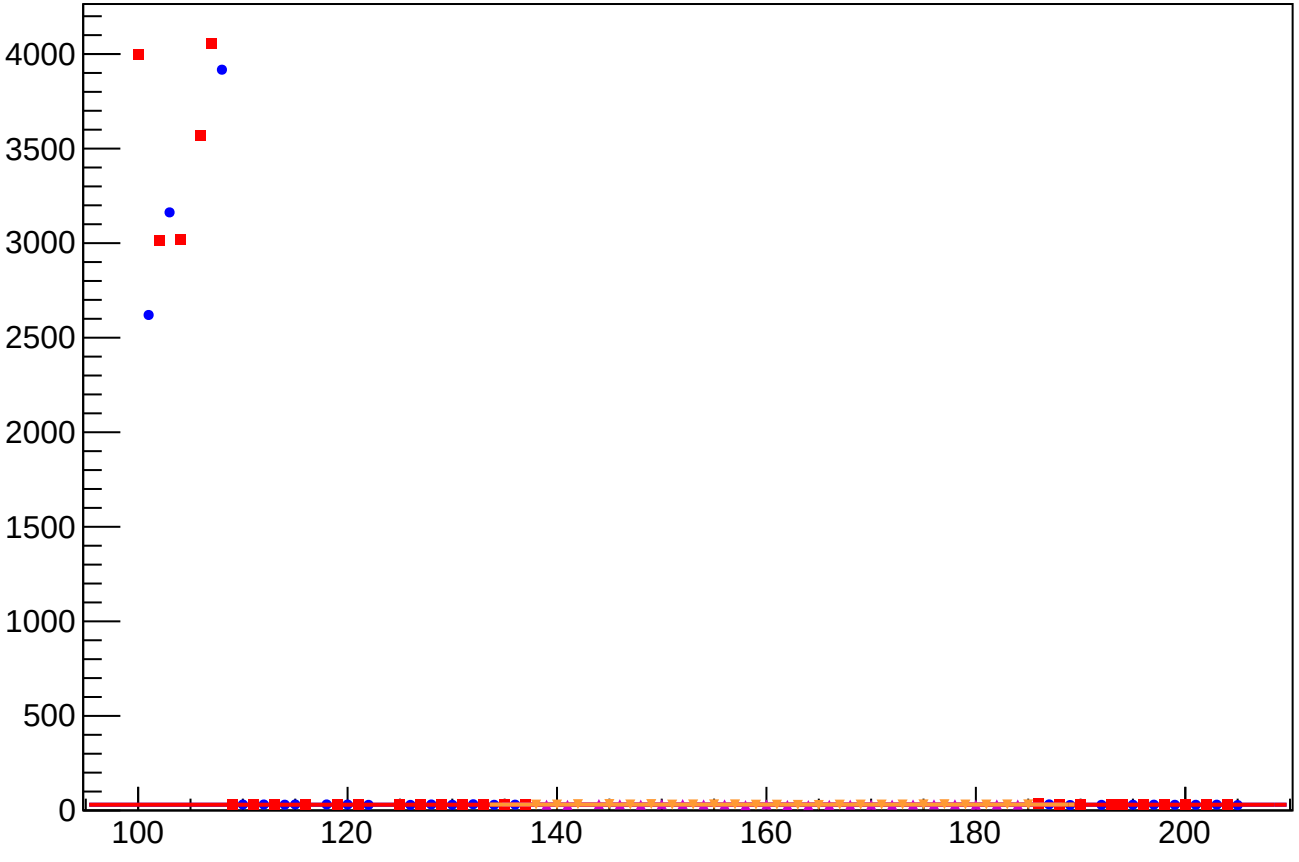
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -6.401+/-5.542 χ^2/NDF: 43.8/48

All: -4.177+/-3.919 χ^2/NDF: 117.4/99

- sign -1.951+/-5.544 χ^2/NDF: 73.3/50

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.407+/-0.006 χ^2/NDF: 3559222.3/27

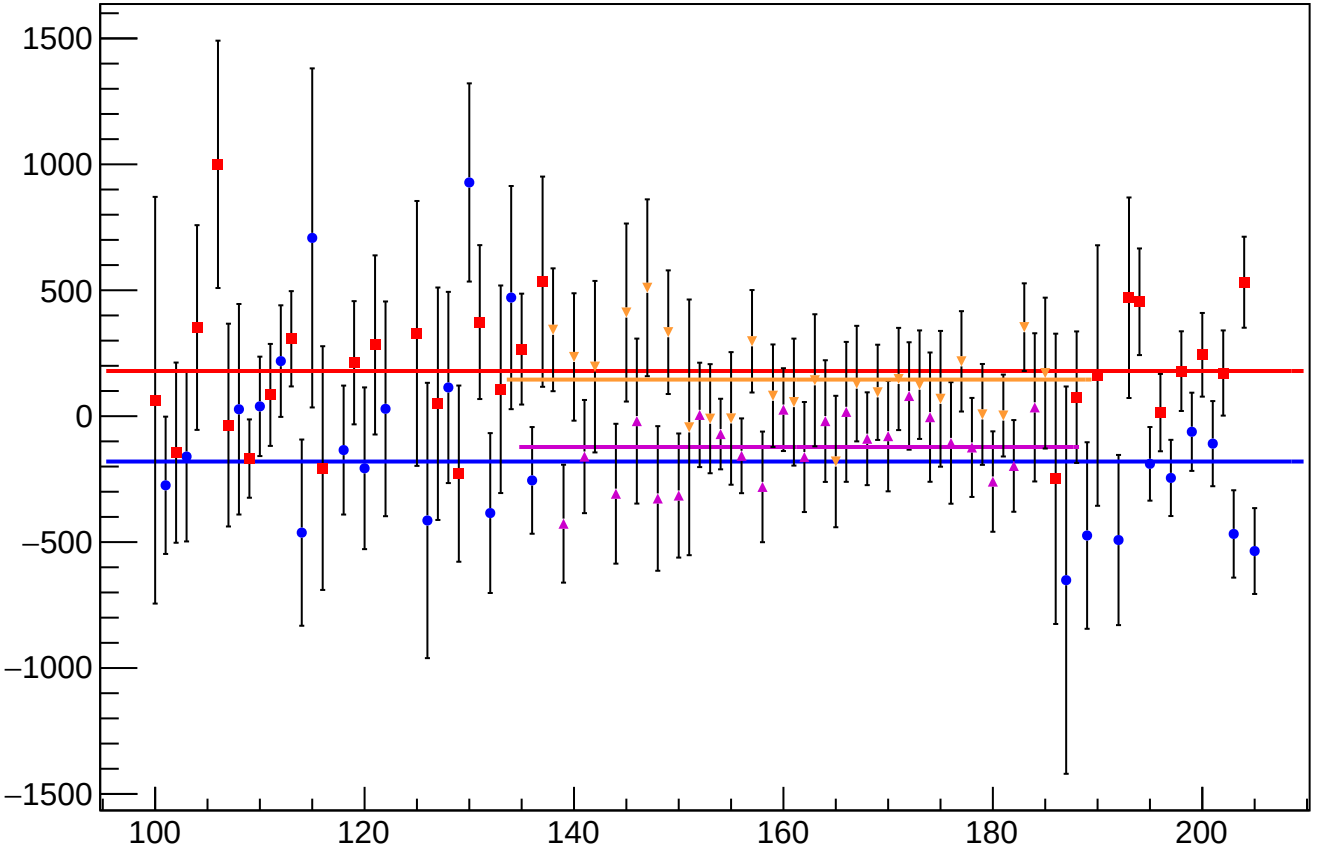
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.825+/-0.004 χ^2/NDF: 3333486.7/48

All: 30.893+/-0.003 χ^2/NDF: 6993633.9/99

- sign 30.960+/-0.004 χ^2/NDF: 3659552.4/50

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 179.404+/-47.569 χ^2/NDF: 21.4/27

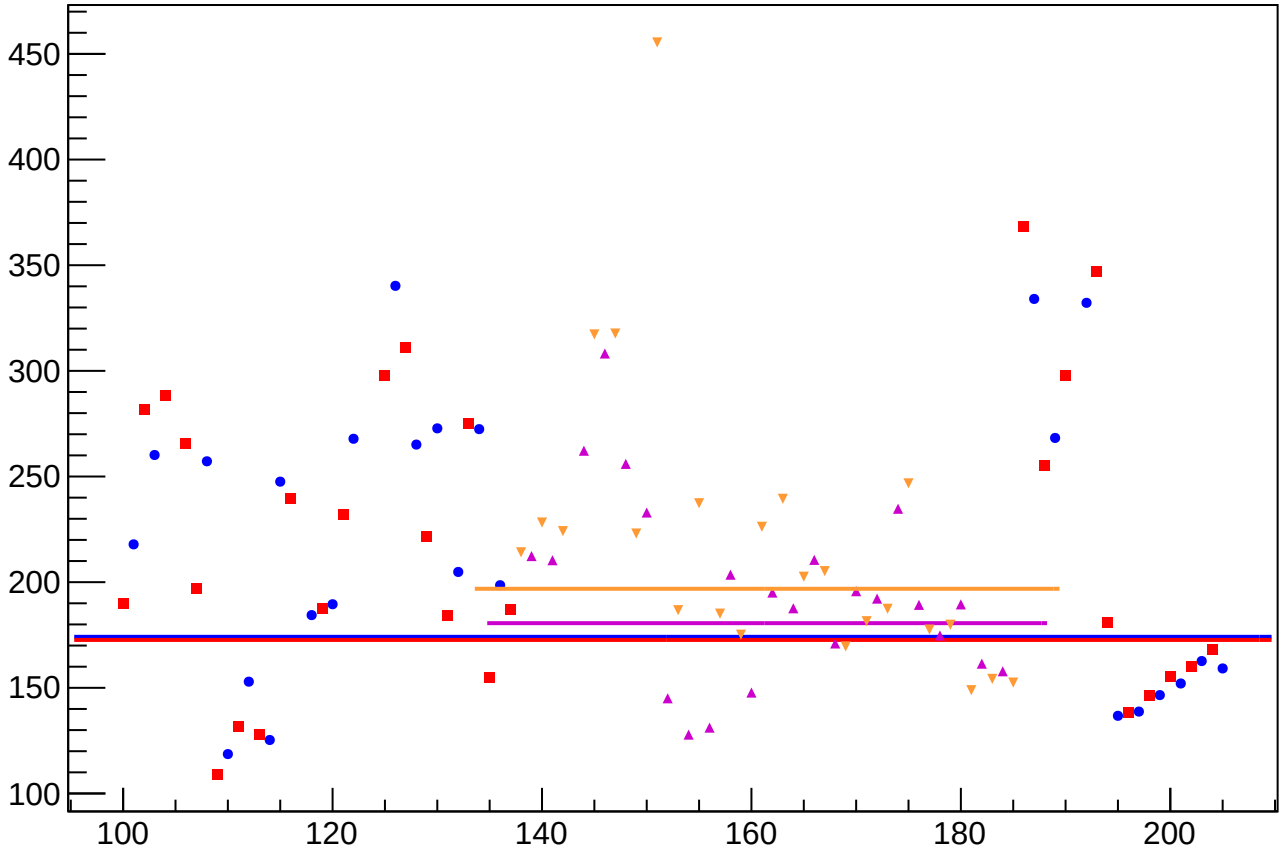
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -12.703+/-33.988 χ^2/NDF: 61.0/48

All: 2.913+/-23.426 χ^2/NDF: 112.3/99

\- sign 17.045+/-32.333 χ^2/NDF: 50.9/50

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 172.665+/-0.034 χ^2/NDF: 2657717.8/27

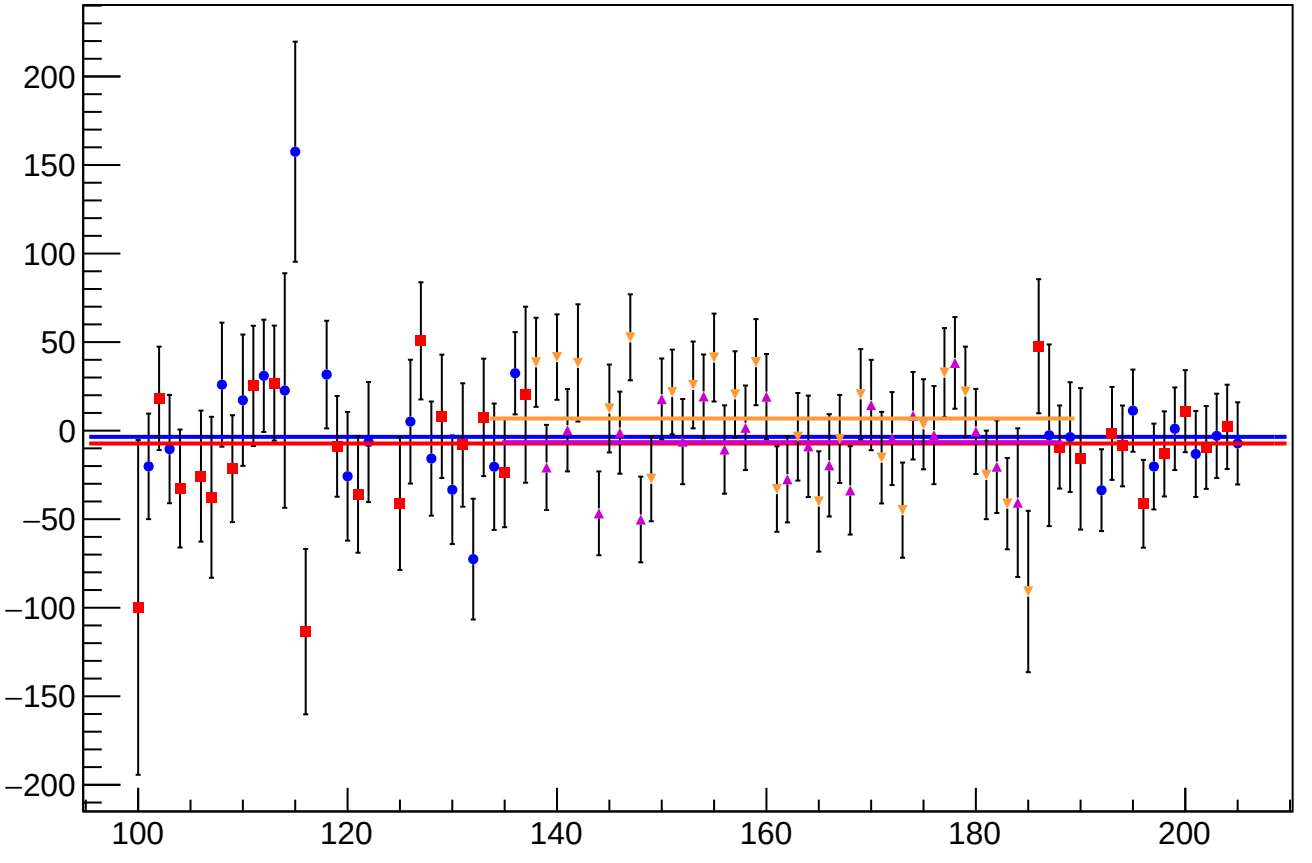
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 185.830+/-0.024 χ^2/NDF: 4133195.8/48

All: 181.160+/-0.017 χ^2/NDF: 8520838.6/99

- sign 176.935+/-0.023 χ^2/NDF: 4315738.8/50

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.248+/-5.784 χ^2/NDF: 21.0/27

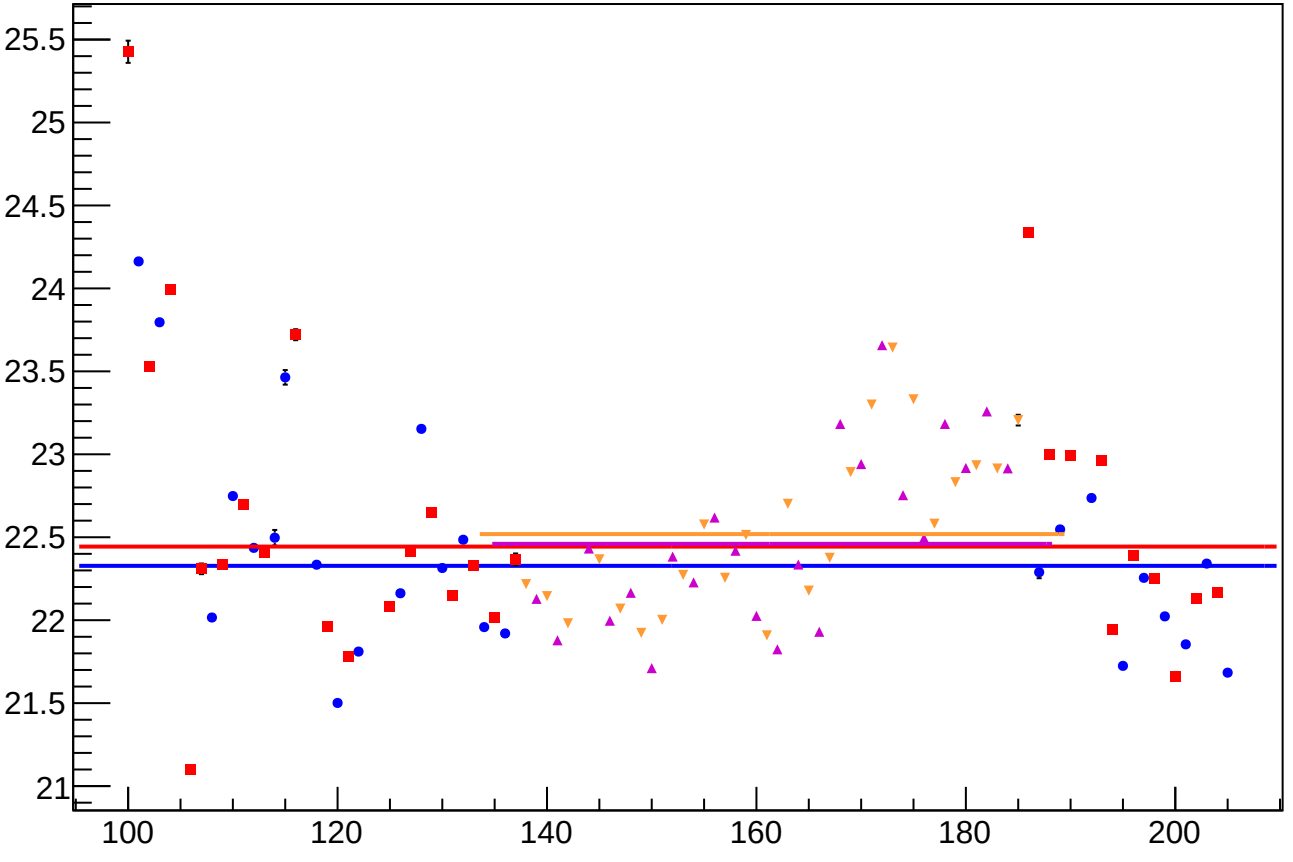
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.339+/-3.927 χ^2/NDF: 60.4/48

All: -2.292+/-2.762 χ^2/NDF: 101.6/99

- sign -6.828+/-3.886 χ^2/NDF: 38.4/50

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.444+/-0.004 χ^2/NDF: 26872.1/27

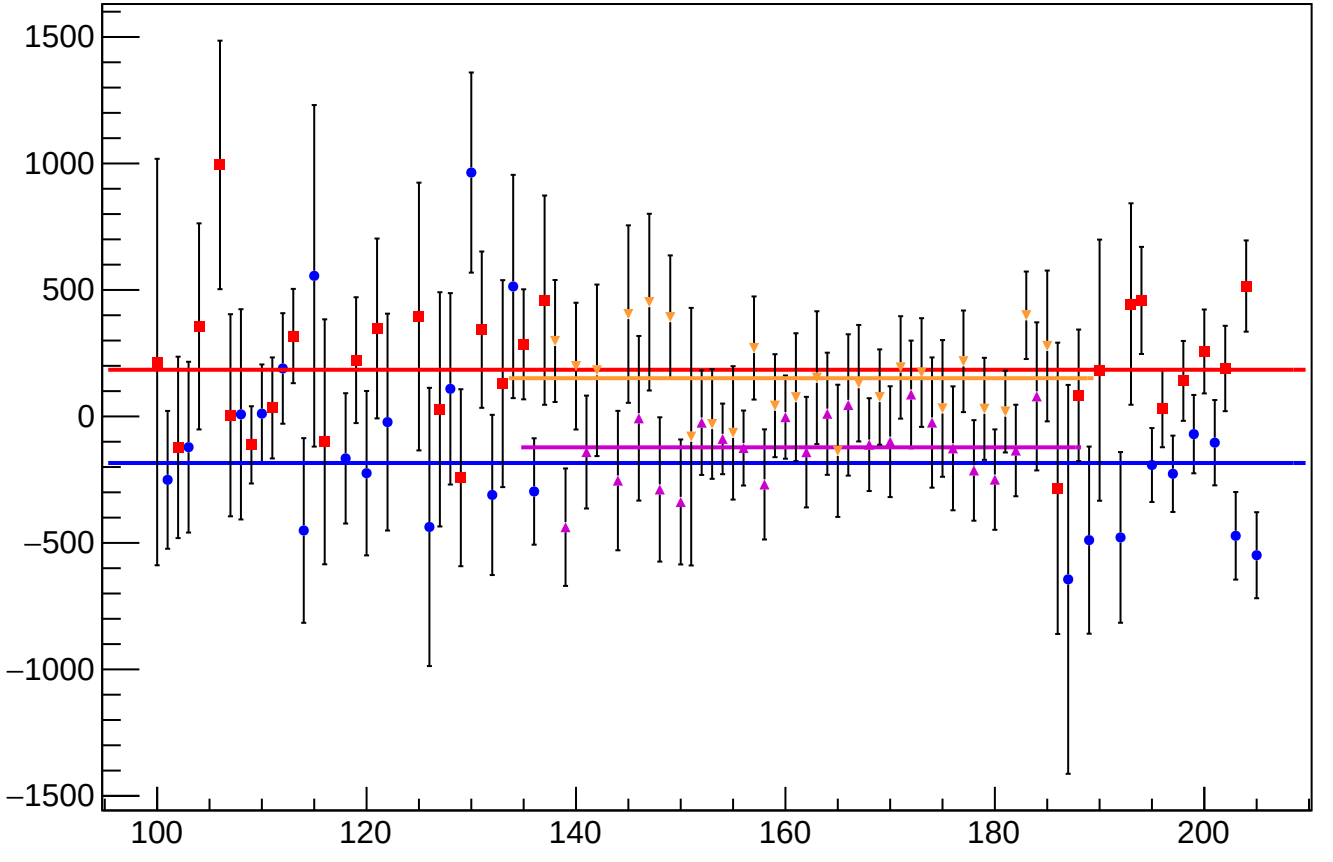
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.436+/-0.003 χ^2/NDF: 38946.2/48

All: 22.444+/-0.002 χ^2/NDF: 84963.8/99

\- sign 22.453+/-0.003 χ^2/NDF: 45998.2/50

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 184.507+/-47.350 χ^2/NDF: 19.5/27

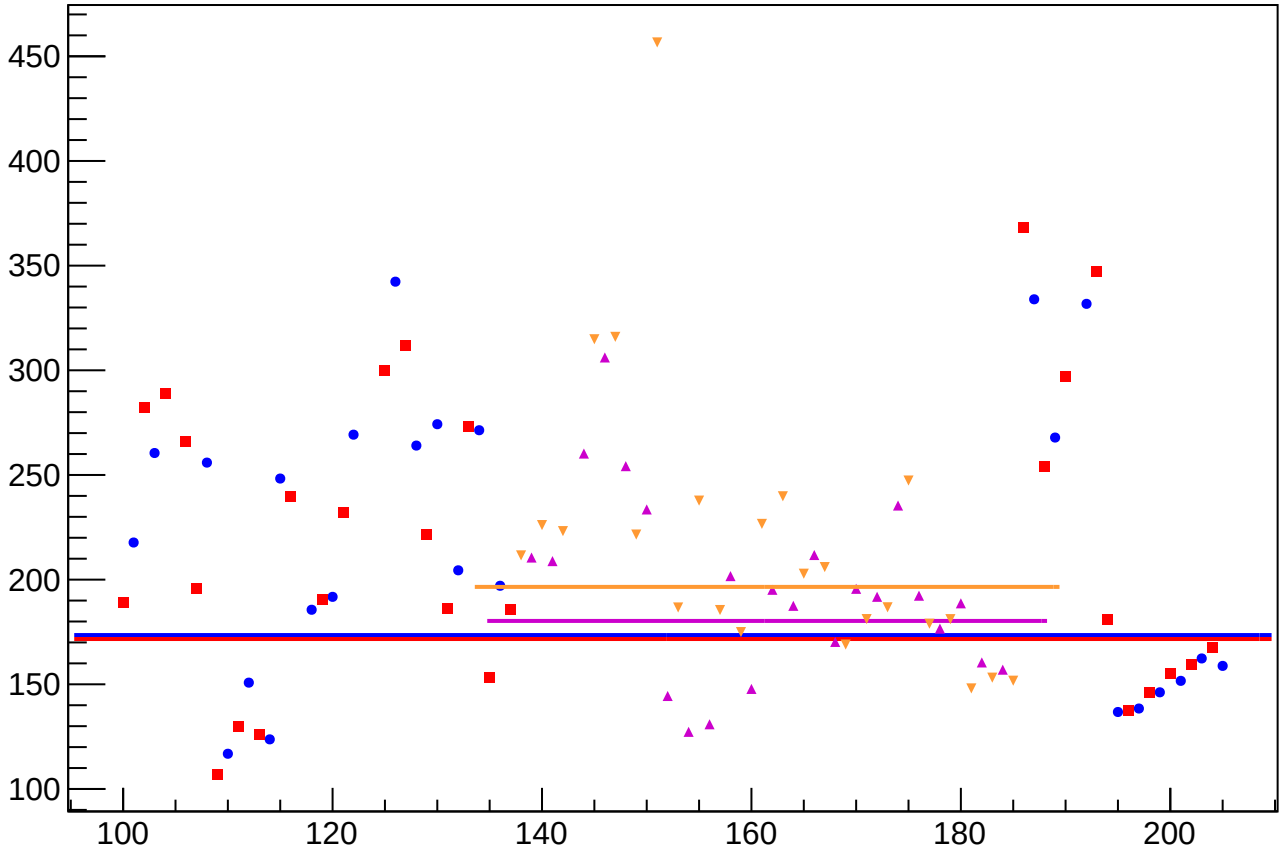
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -11.876+/-33.913 χ^2/NDF: 62.7/48

All: 4.851+/-23.364 χ^2/NDF: 112.7/99

- sign 19.963+/-32.234 χ^2/NDF: 49.5/50

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.633+/-0.033 χ^2/NDF: 2728530.7/27

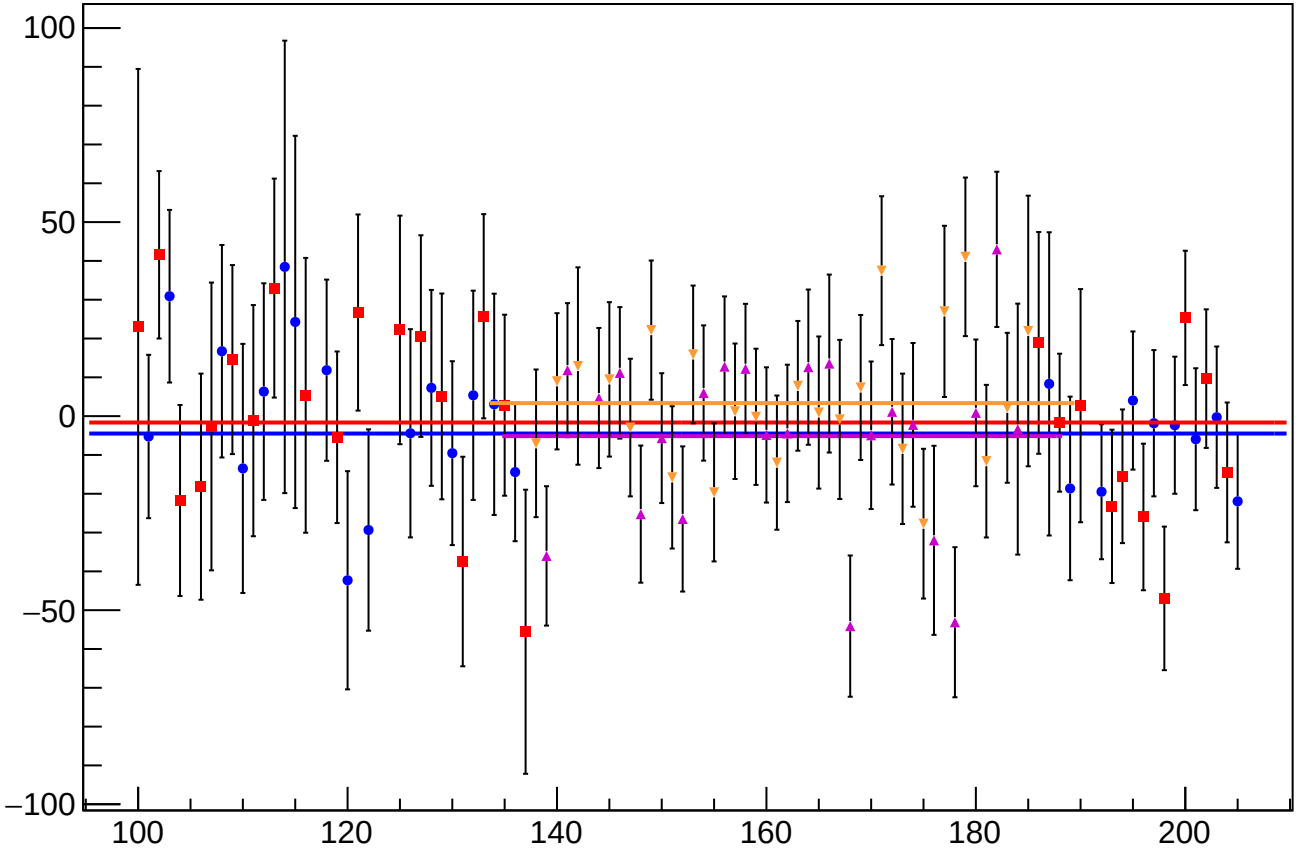
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 185.345+/-0.024 χ^2/NDF: 4171941.6/48

All: 180.577+/-0.017 χ^2/NDF: 8636148.3/99

- sign 176.270+/-0.023 χ^2/NDF: 4388953.1/50

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.644+/-4.446 χ^2/NDF: 28.3/27

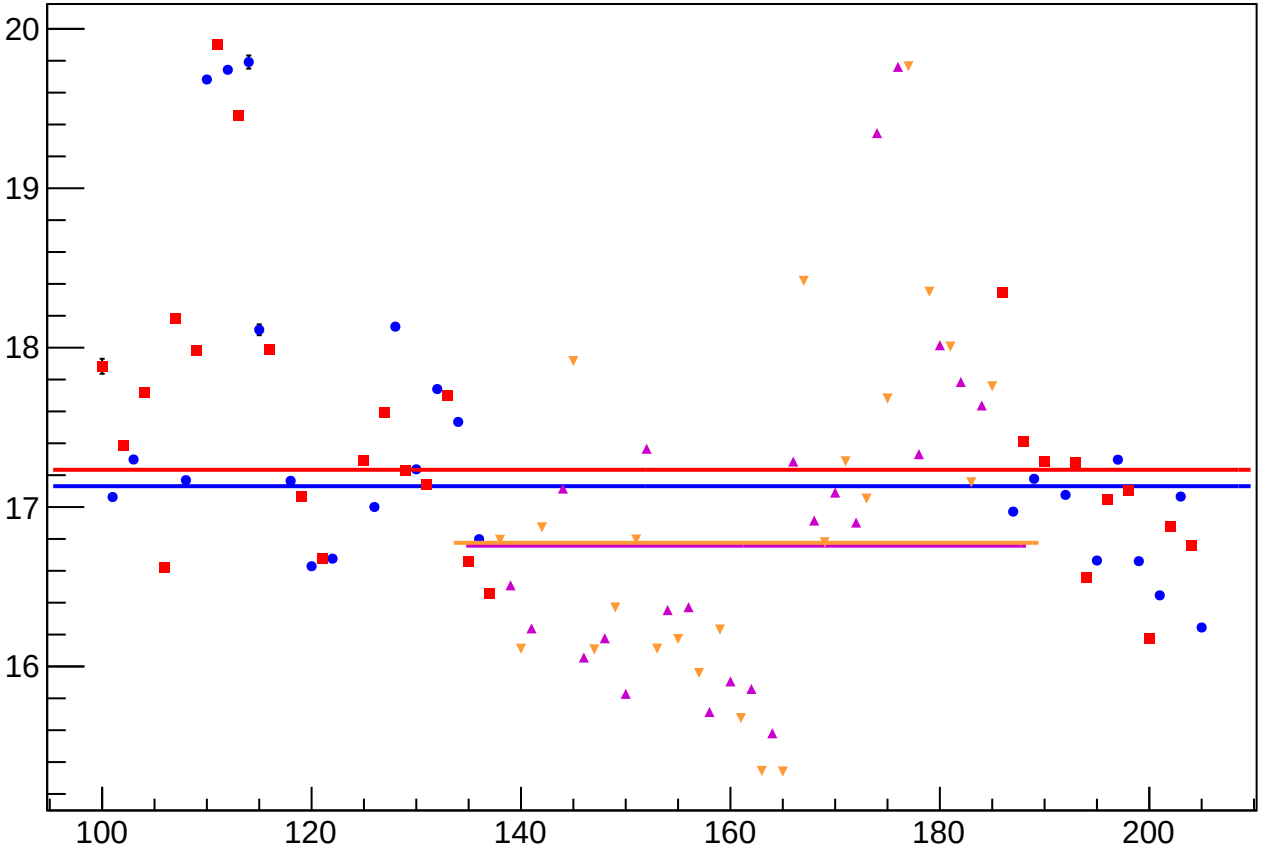
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.048+/-2.968 χ^2/NDF: 30.2/48

All: -1.800+/-2.090 χ^2/NDF: 91.9/99

- sign -3.615+/-2.942 χ^2/NDF: 60.9/50

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.234+/-0.003 χ^2/NDF: 55098.0/27

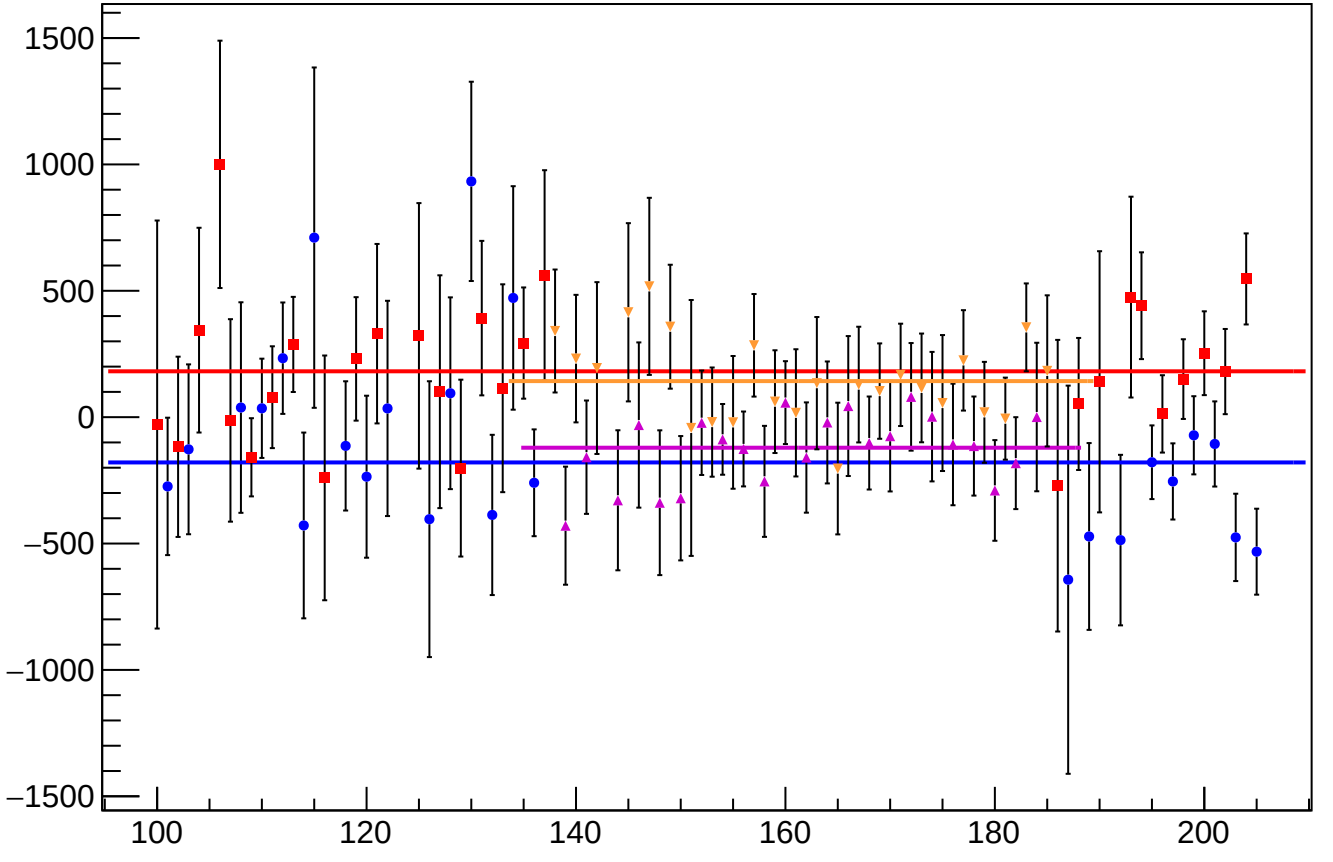
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.926+/-0.002 χ^2/NDF: 196075.0/48

All: 16.946+/-0.001 χ^2/NDF: 387550.6/99

- sign 16.966+/-0.002 χ^2/NDF: 191287.6/50

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -179.117+/-48.620 χ^2/NDF: 29.0/24

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 181.462+/-47.429 χ^2/NDF: 21.7/27

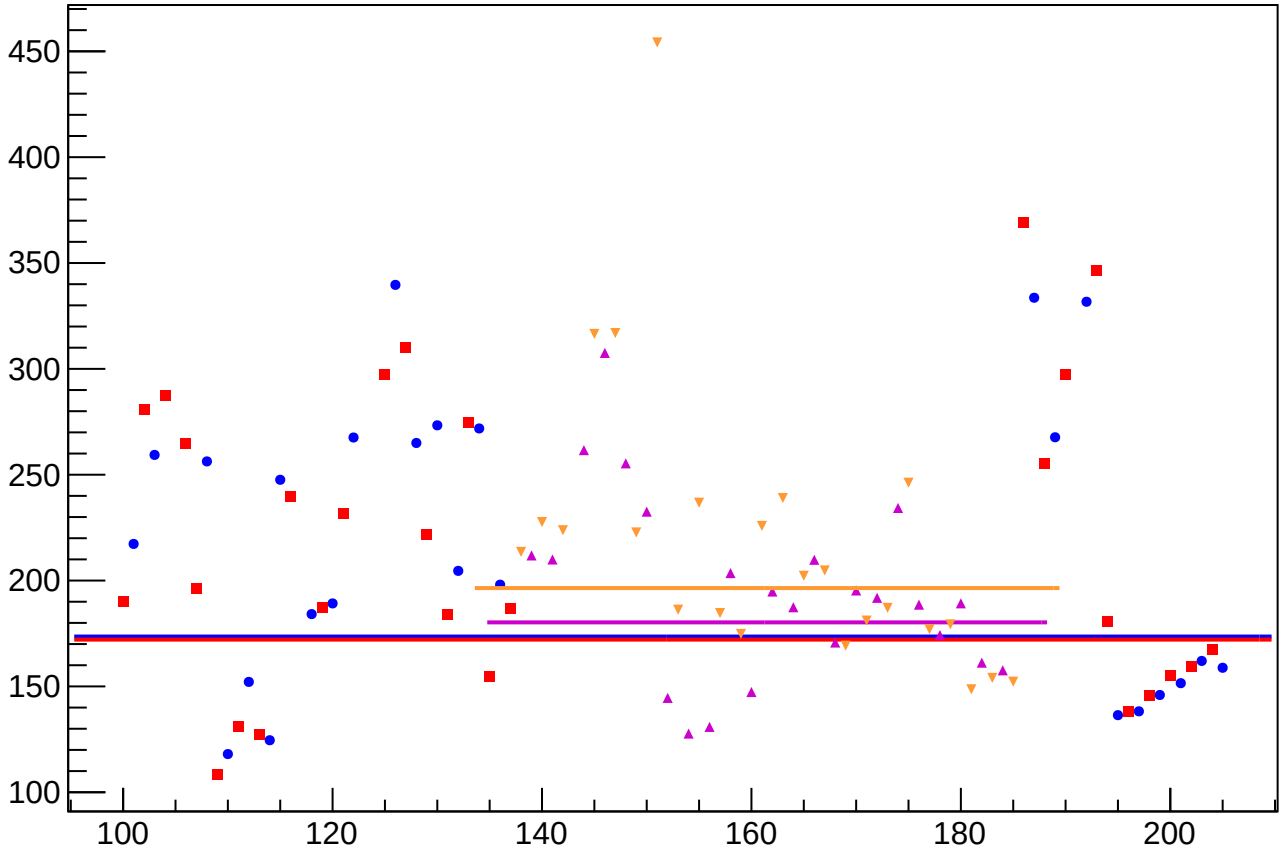
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -13.741+/-33.899 χ^2/NDF: 61.7/48

All: 3.414+/-23.367 χ^2/NDF: 114.0/99

- sign 18.945+/-32.255 χ^2/NDF: 51.8/50

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.104+/-0.034 χ^2/NDF: 2674638.1/27

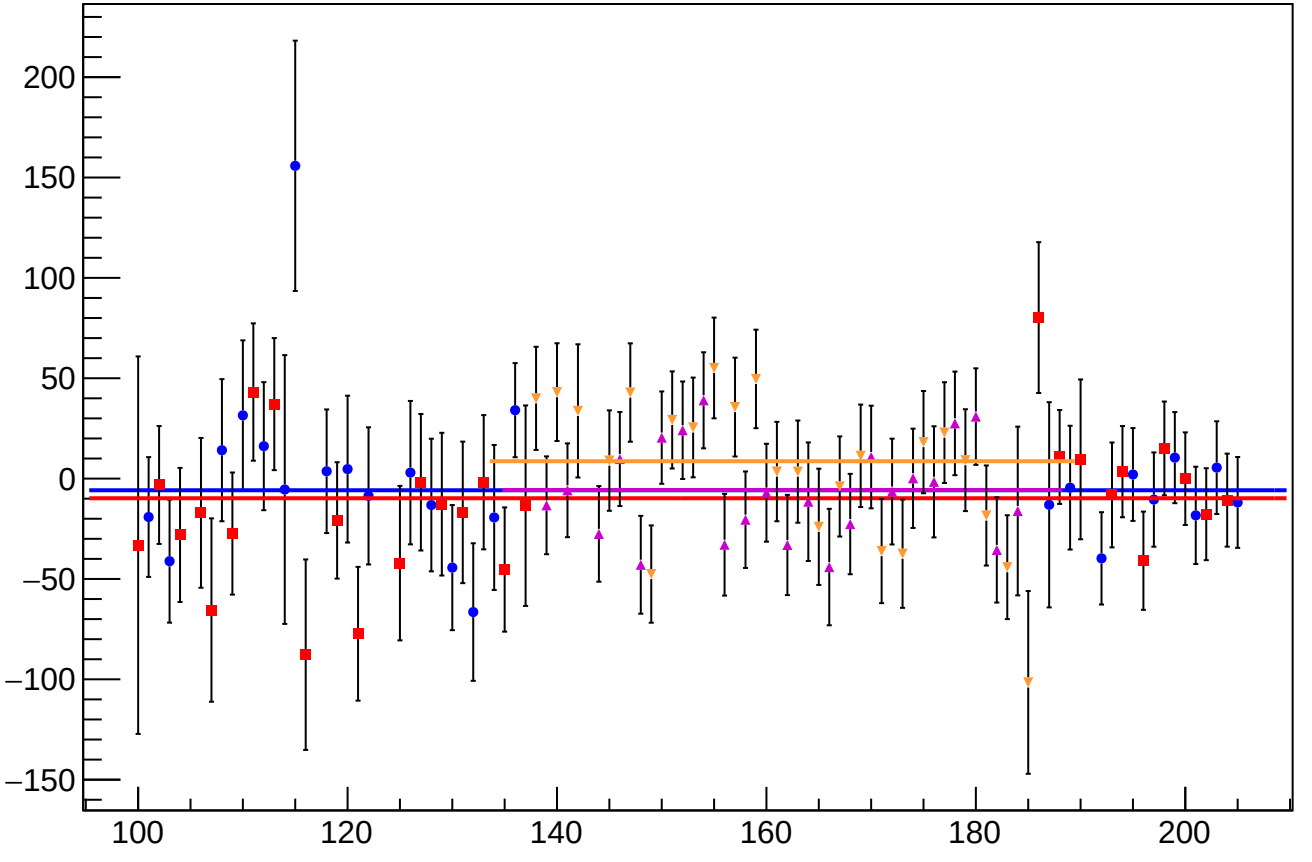
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 185.320+/-0.024 χ^2/NDF: 4149031.3/48

All: 180.681+/-0.017 χ^2/NDF: 8554497.2/99

- sign 176.481+/-0.023 χ^2/NDF: 4334111.6/50

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.790+/-5.778 χ^2/NDF: 26.0/27

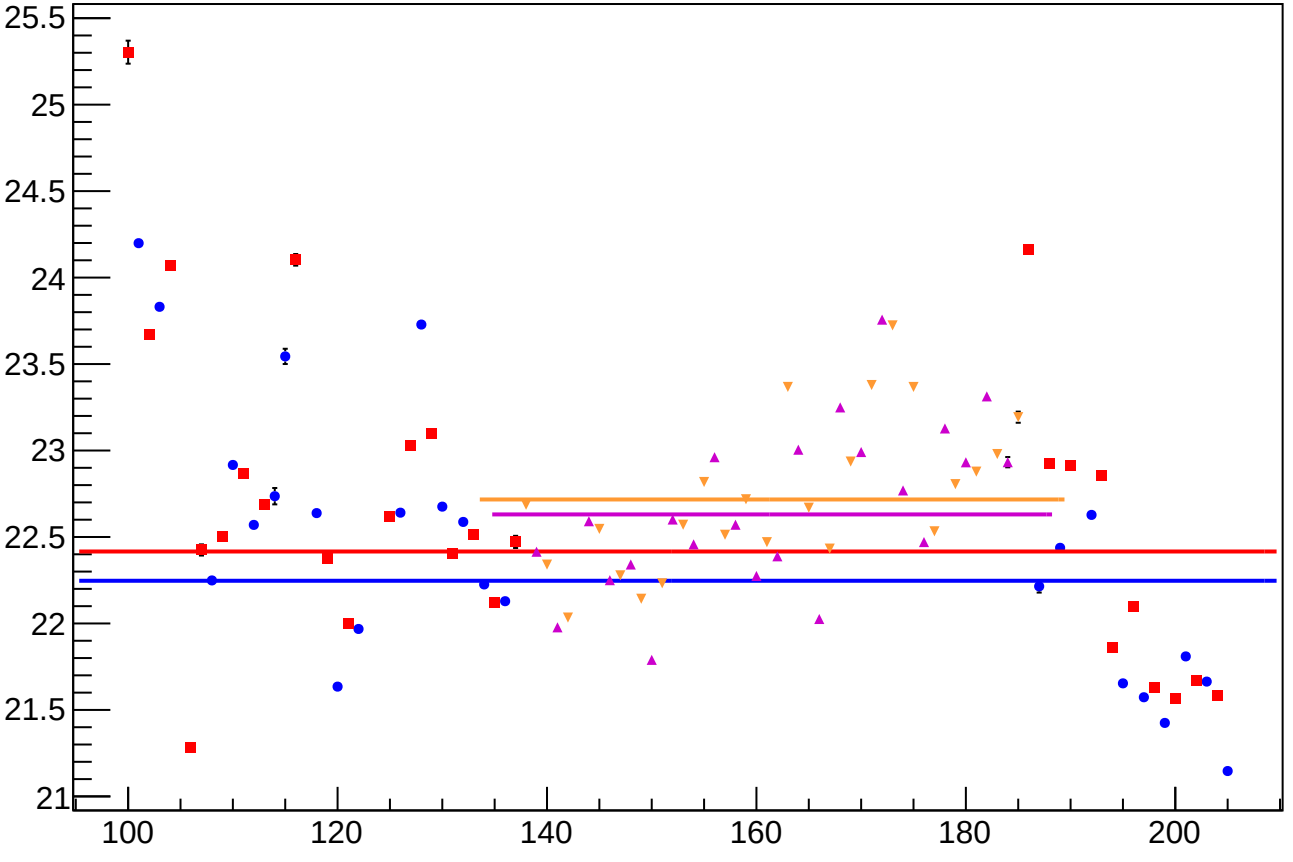
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.268+/-3.940 χ^2/NDF: 64.0/48

All: -2.689+/-2.772 χ^2/NDF: 114.2/99

- sign -7.546+/-3.900 χ^2/NDF: 47.0/50

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.416+/-0.004 χ^2/NDF: 34633.8/27

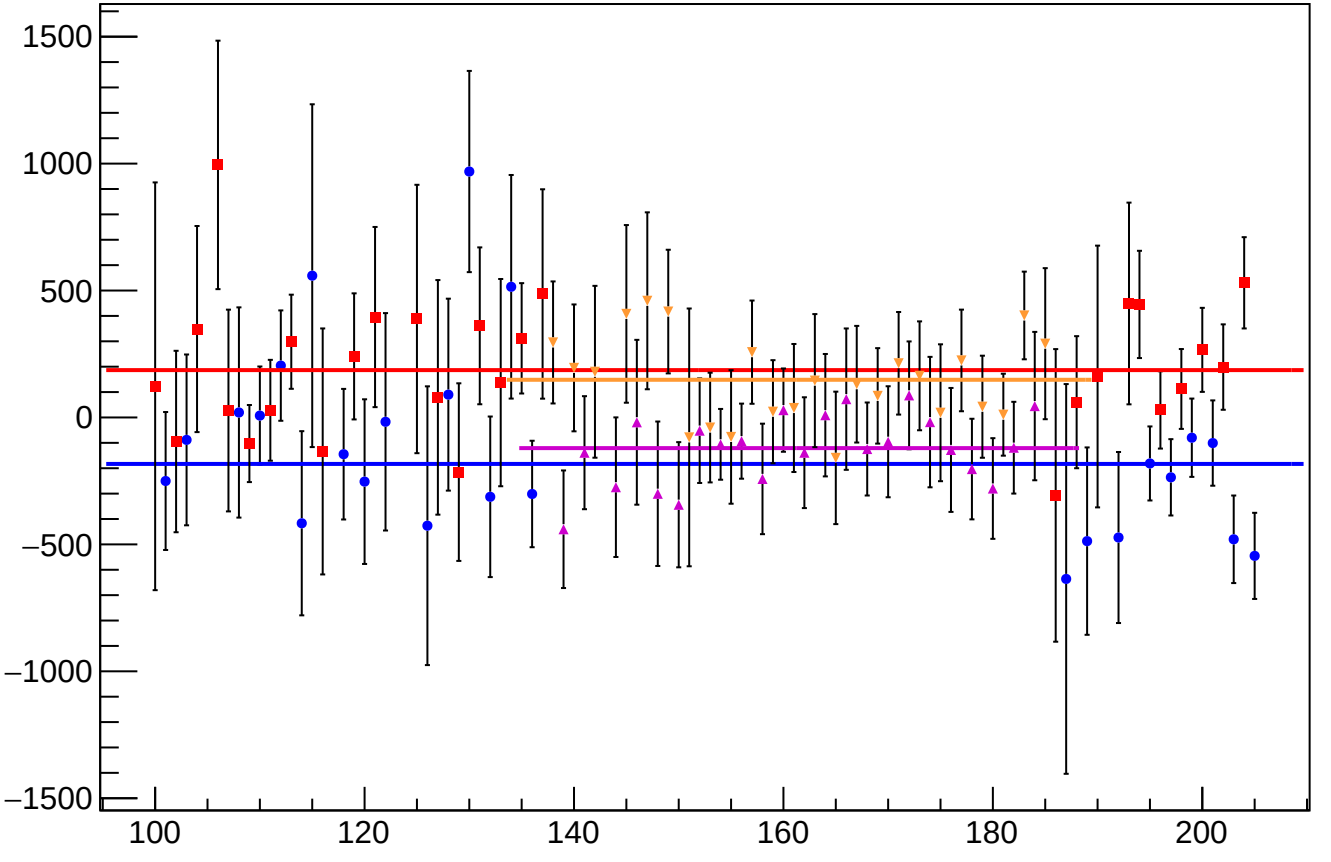
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.509+/-0.003 χ^2/NDF: 53697.2/48

All: 22.521+/-0.002 χ^2/NDF: 105257.5/99

- sign 22.533+/-0.003 χ^2/NDF: 51523.8/50

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 186.538+/-47.208 χ^2/NDF: 19.9/27

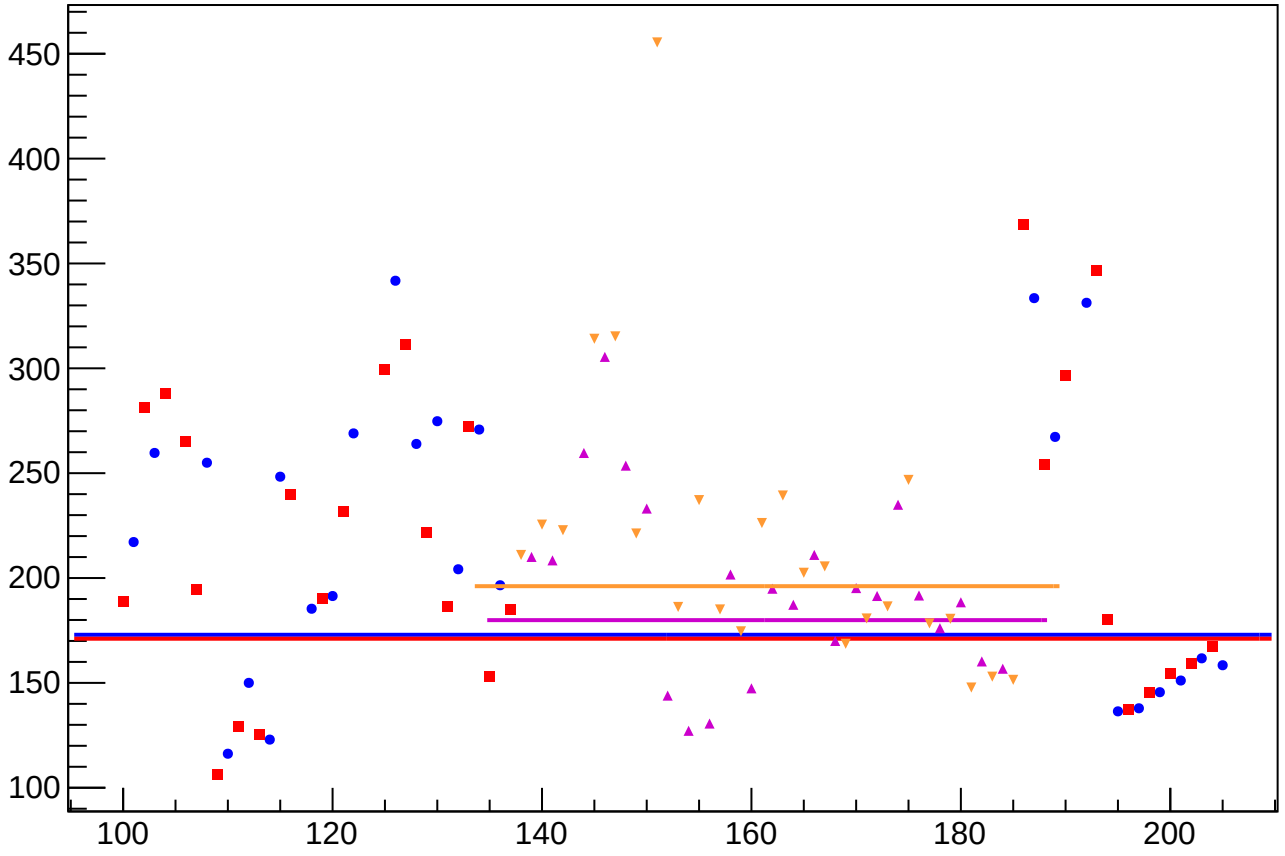
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -12.938+/-33.823 χ^2/NDF: 63.5/48

All: 5.317+/-23.305 χ^2/NDF: 114.6/99

- sign 21.817+/-32.156 χ^2/NDF: 50.5/50

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.064+/-0.033 χ^2/NDF: 2746332.8/27

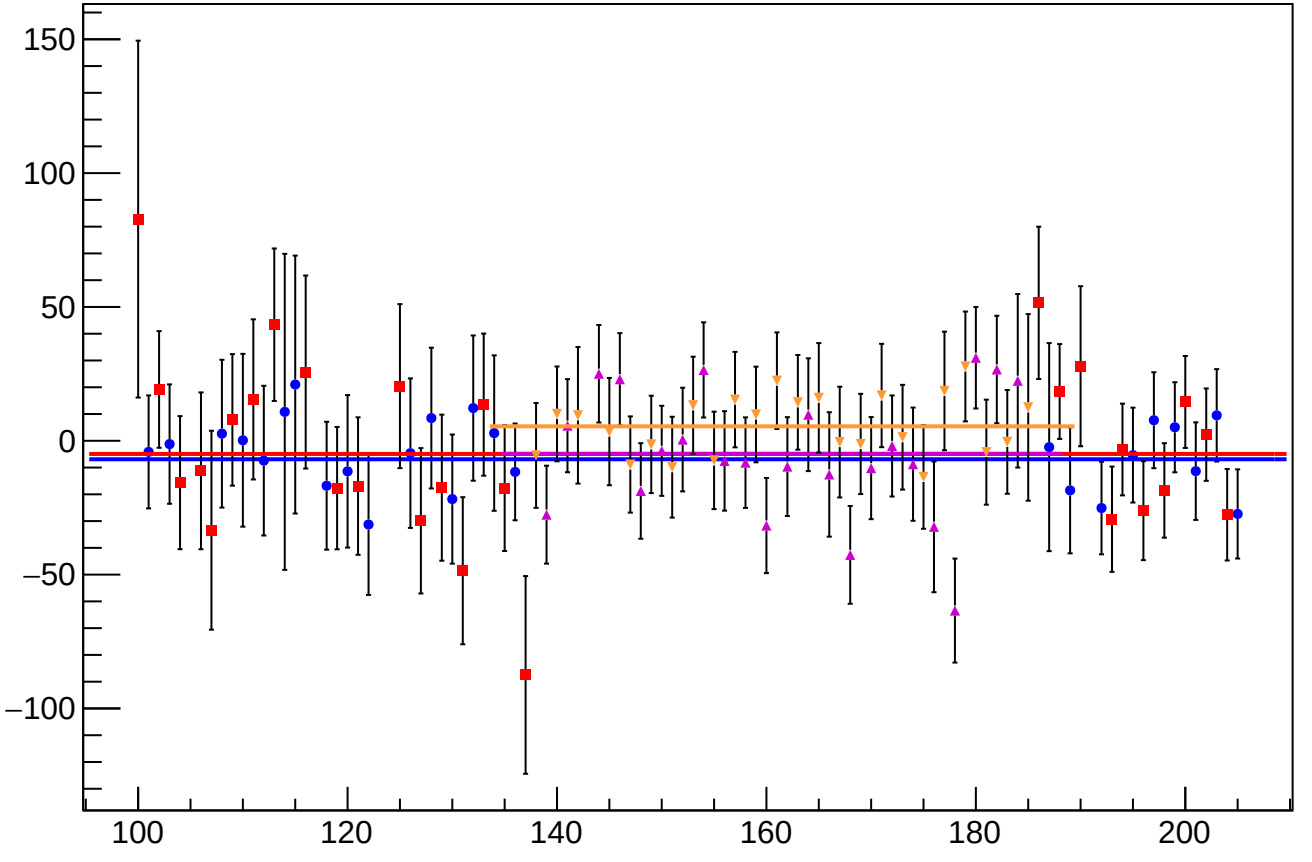
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 184.832+/-0.024 χ^2/NDF: 4188499.4/48

All: 180.095+/-0.016 χ^2/NDF: 8671429.6/99

- sign 175.813+/-0.023 χ^2/NDF: 4408236.3/50

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.912+/-4.431 χ^2/NDF: 32.2/27

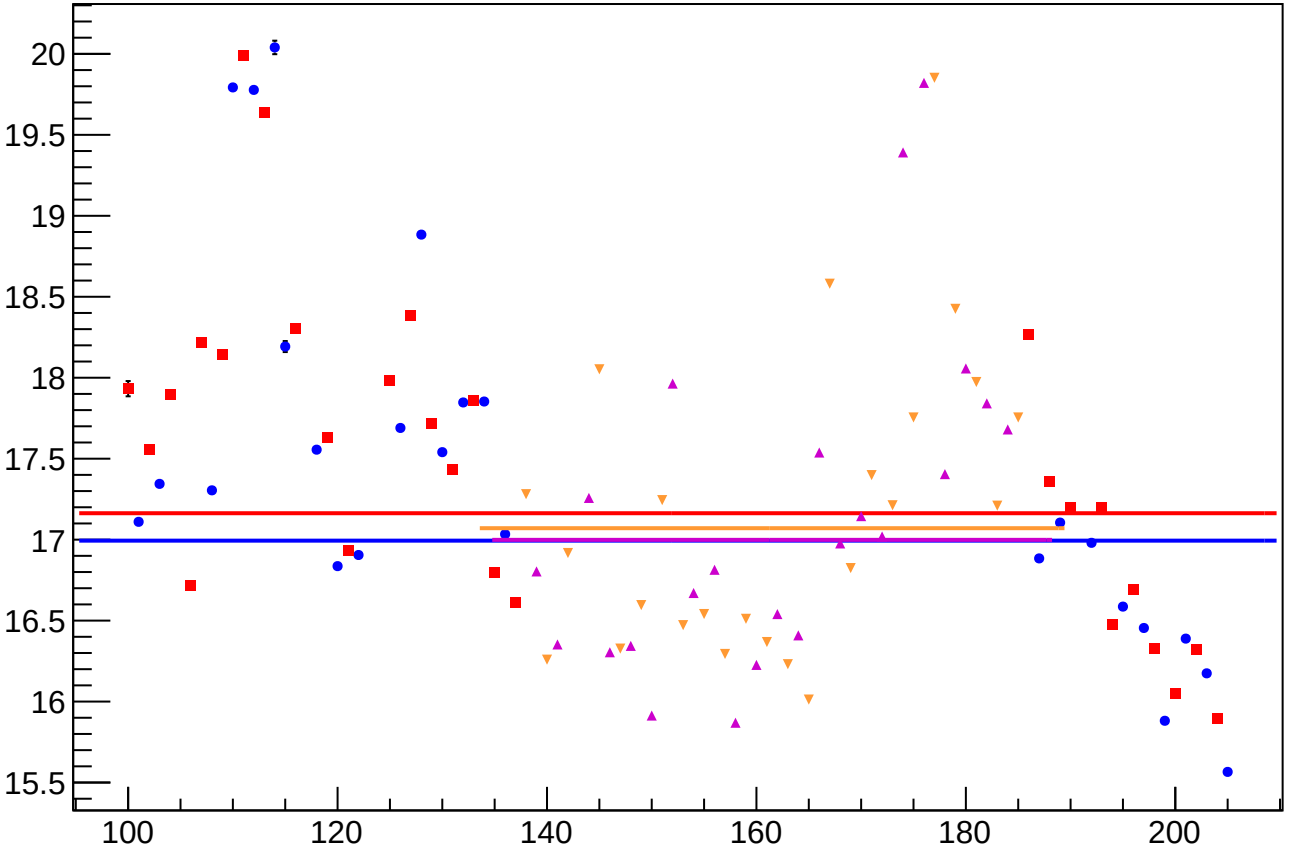
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.063+/-2.988 χ^2/NDF: 20.1/48

All: -2.432+/-2.103 χ^2/NDF: 89.2/99

- sign -4.882+/-2.961 χ^2/NDF: 67.7/50

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.163+/-0.003 χ^2/NDF: 89123.7/27

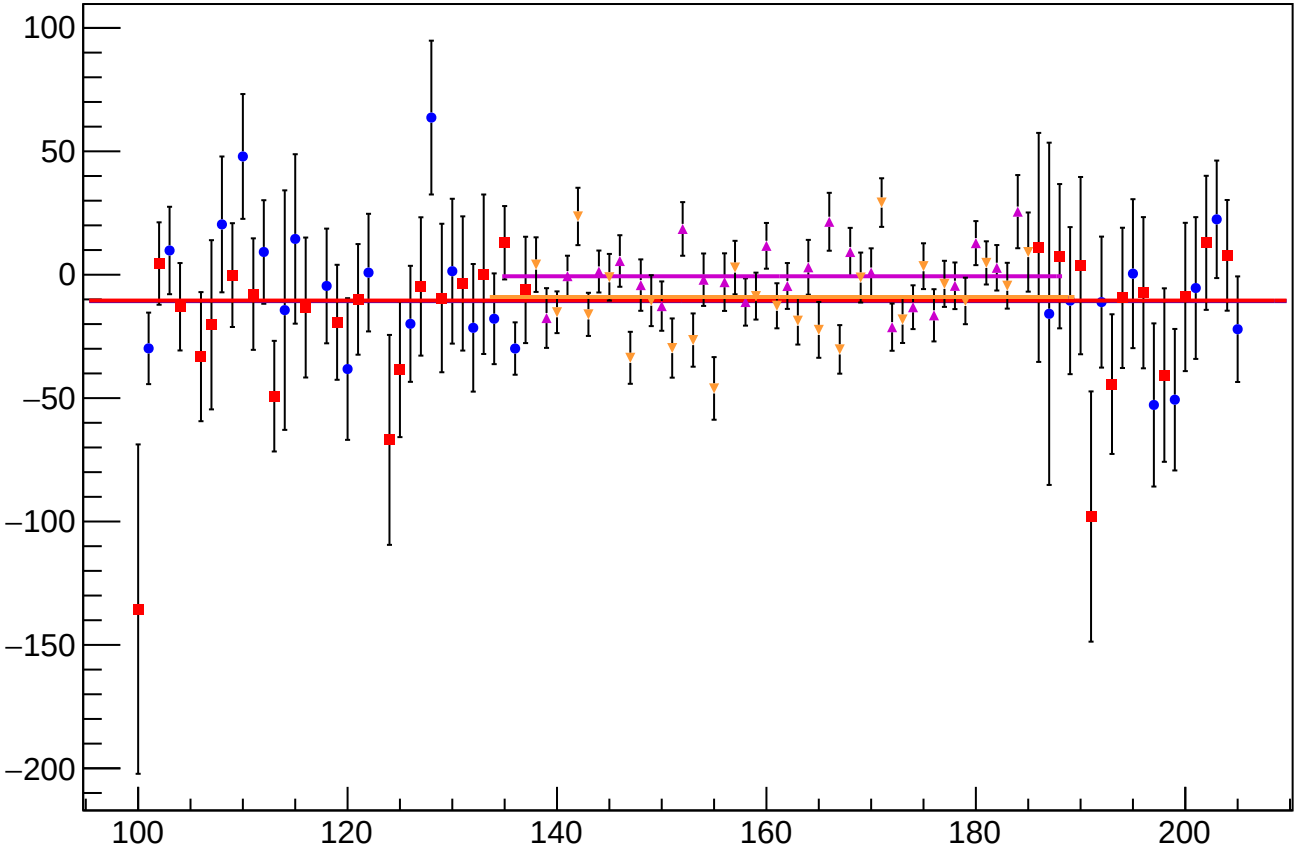
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.037+/-0.002 χ^2/NDF: 189482.9/48

All: 17.055+/-0.001 χ^2/NDF: 384290.0/99

- sign 17.072+/-0.002 χ^2/NDF: 194669.8/50

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -10.694+/-4.579 χ^2/NDF: 28.0/24

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.472+/-4.691 χ^2/NDF: 21.4/29

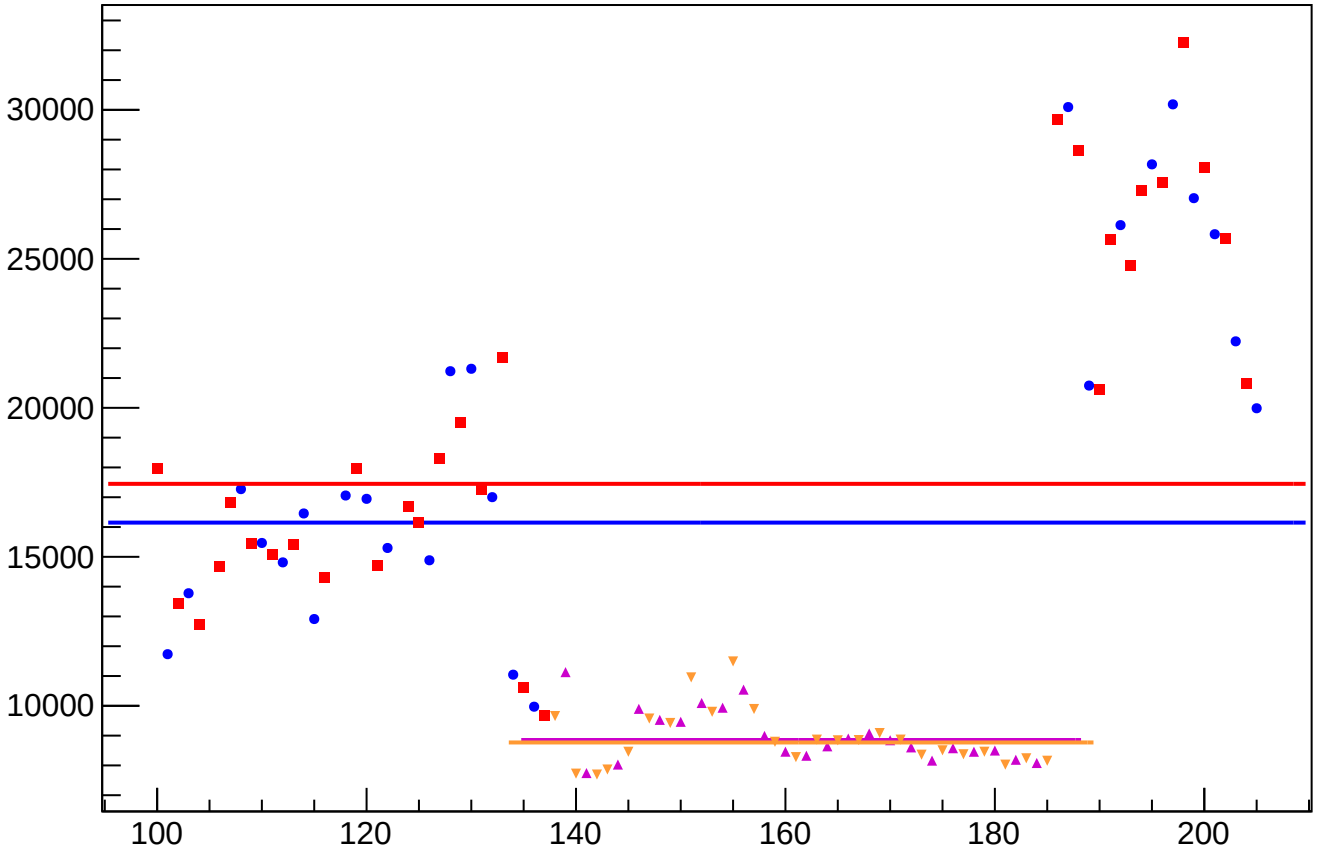
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.296+/-1.838 χ^2/NDF: 90.1/49

All: -5.889+/-1.321 χ^2/NDF: 151.8/102

- sign -2.245+/-1.901 χ^2/NDF: 54.6/52

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16148.430+/-3.238 χ^2/NDF: 3014231.7/24

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17449.172+/-3.317 χ^2/NDF: 3049853.6/29

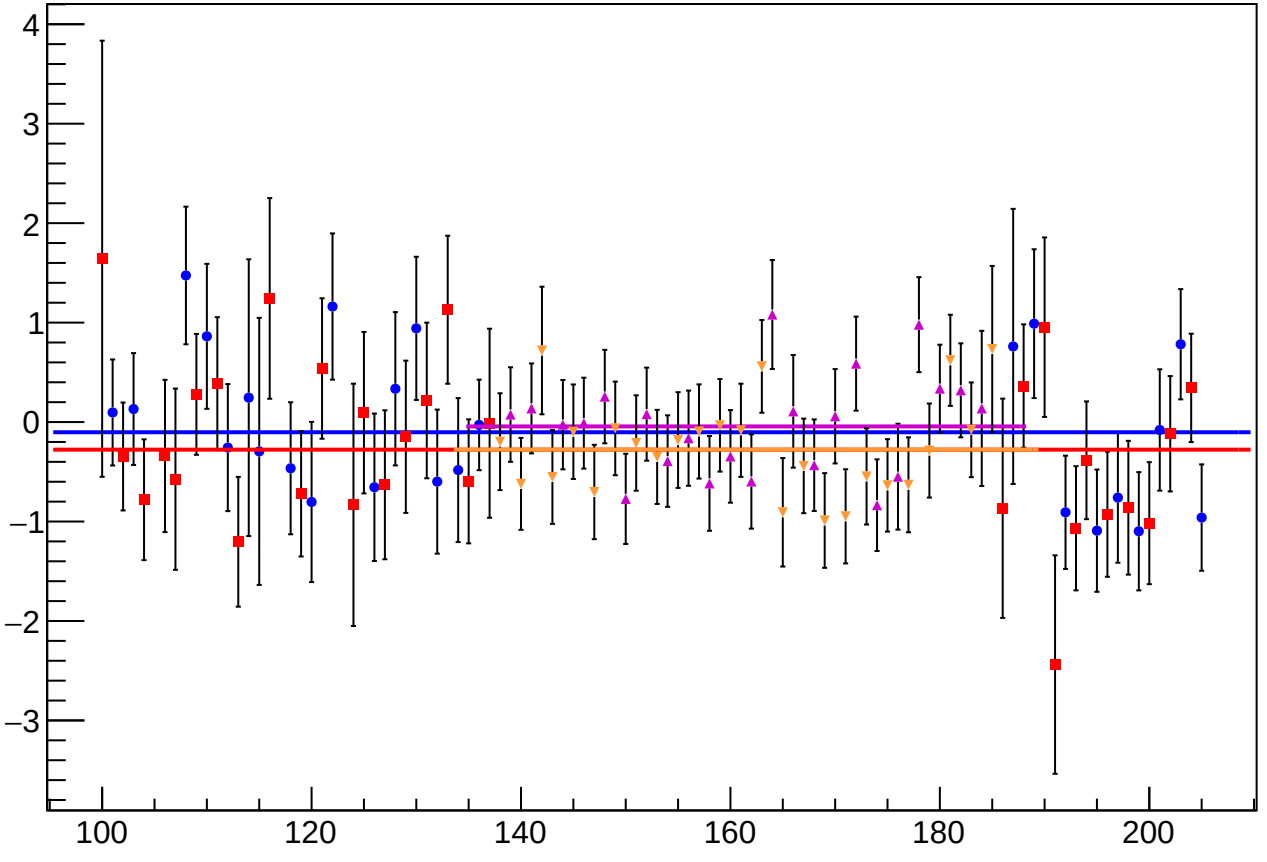
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9958.584+/-1.300 χ^2/NDF: 7714856.5/49

All: 10106.419+/-0.934 χ^2/NDF: 16705499.2

- sign 10264.579+/-1.344 χ^2/NDF: 8963855.3/52

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.102+/-0.133 χ^2/NDF: 31.2/24

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.277+/-0.130 χ^2/NDF: 27.9/29

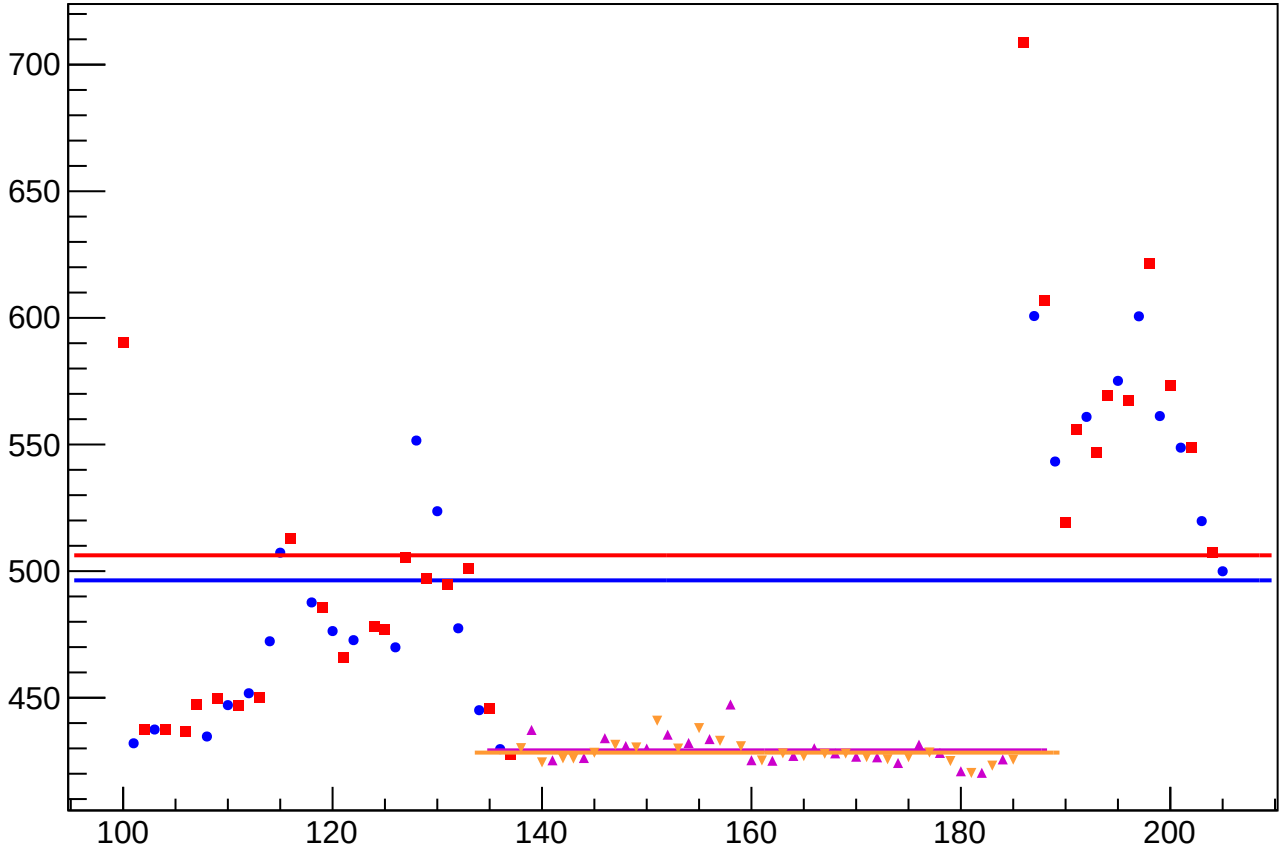
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.216+/-0.079 χ^2/NDF: 53.4/49

All: -0.174+/-0.056 χ^2/NDF: 107.7/102

- sign -0.131+/-0.079 χ^2/NDF: 53.7/52

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 496.355+/-0.094 χ^2/NDF: 330936.4/24

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.247+/-0.092 χ^2/NDF: 447024.9/29

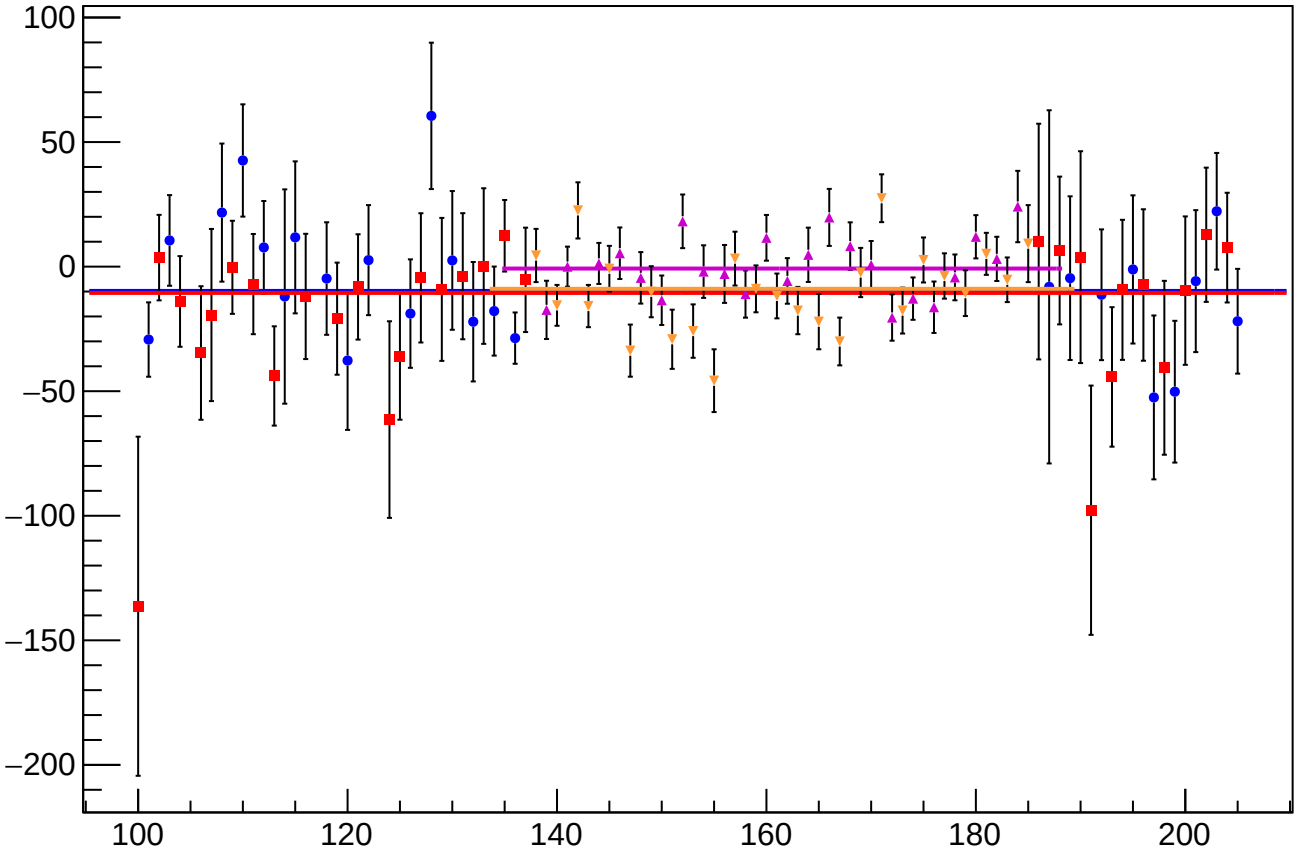
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 452.062+/-0.056 χ^2/NDF: 675715.1/49

All: 455.018+/-0.039 χ^2/NDF: 1576875.9/102

- sign 458.034+/-0.056 χ^2/NDF: 895435.0/52

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -9.753+/-4.445 χ^2/NDF: 28.4/24

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -10.548+/-4.534 χ^2/NDF: 21.2/29

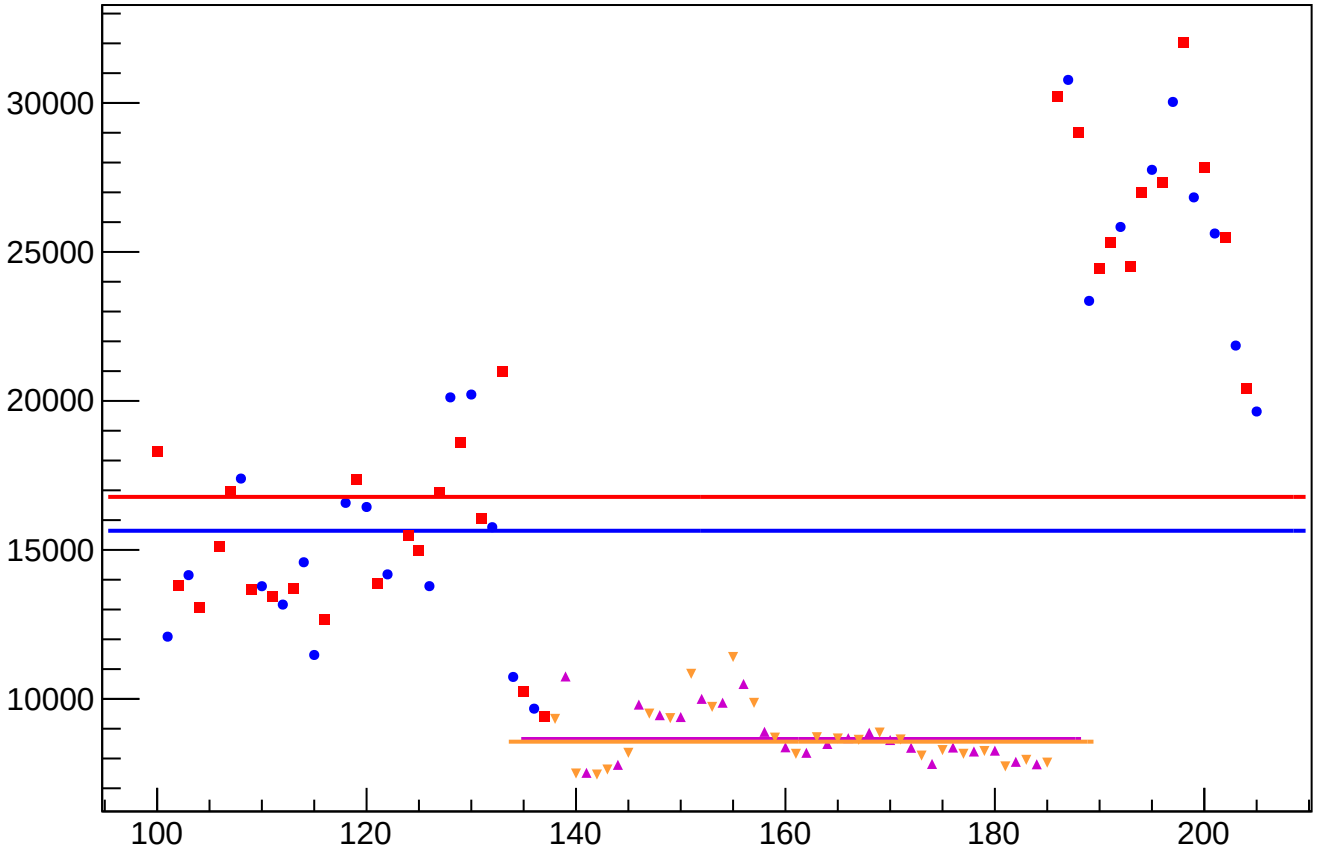
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.043+/-1.794 χ^2/NDF: 89.9/49

All: -5.838+/-1.290 χ^2/NDF: 150.9/102

- sign -2.410+/-1.856 χ^2/NDF: 54.4/52

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 15642.736+/-3.143 χ^2/NDF: 3160186.9/24

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16779.334+/-3.206 χ^2/NDF: 3324058.8/29

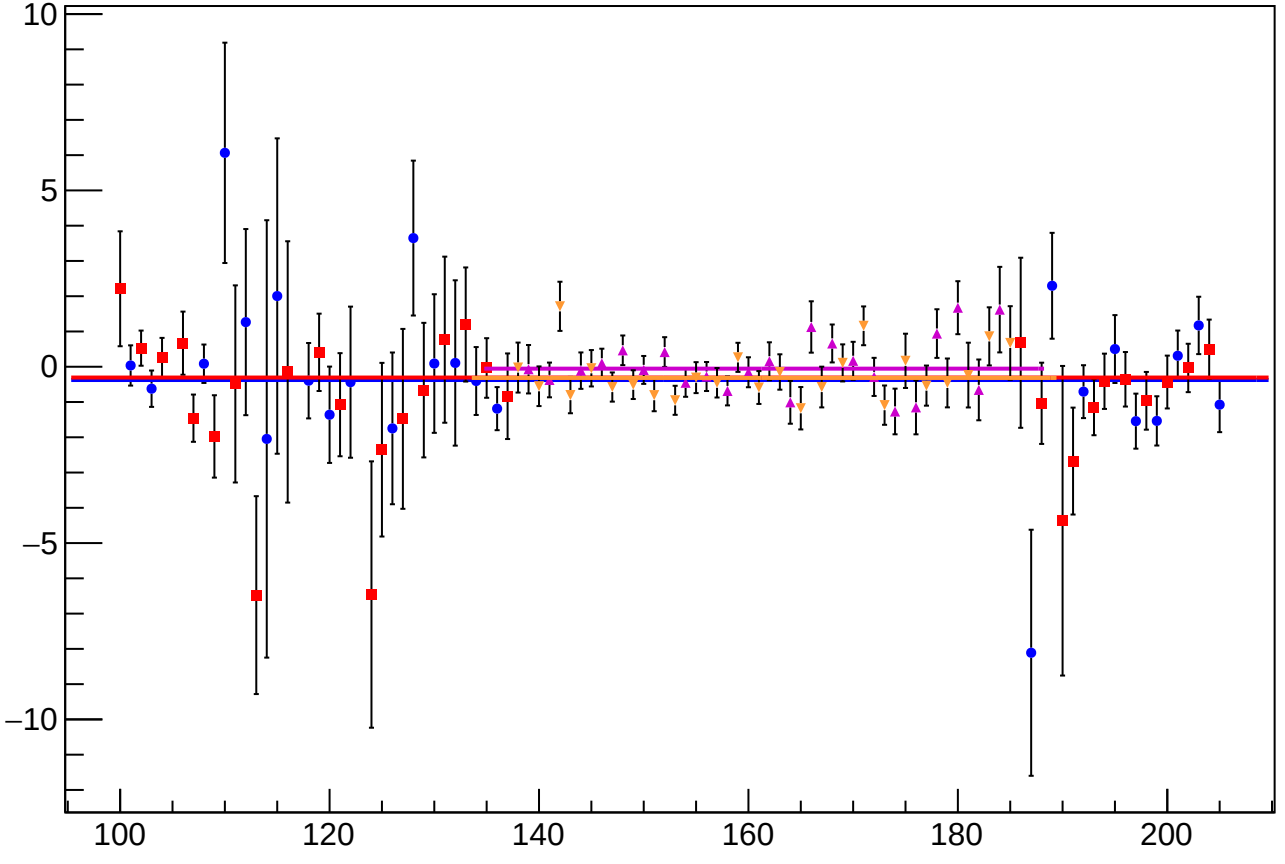
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9717.614+/-1.269 χ^2/NDF: 7806792.6/49

All: 9861.567+/-0.912 χ^2/NDF: 16850460.1/1

- sign 10015.592+/-1.312 χ^2/NDF: 9017012.4/52

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.376+/-0.186 χ^2/NDF: 32.1/24

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

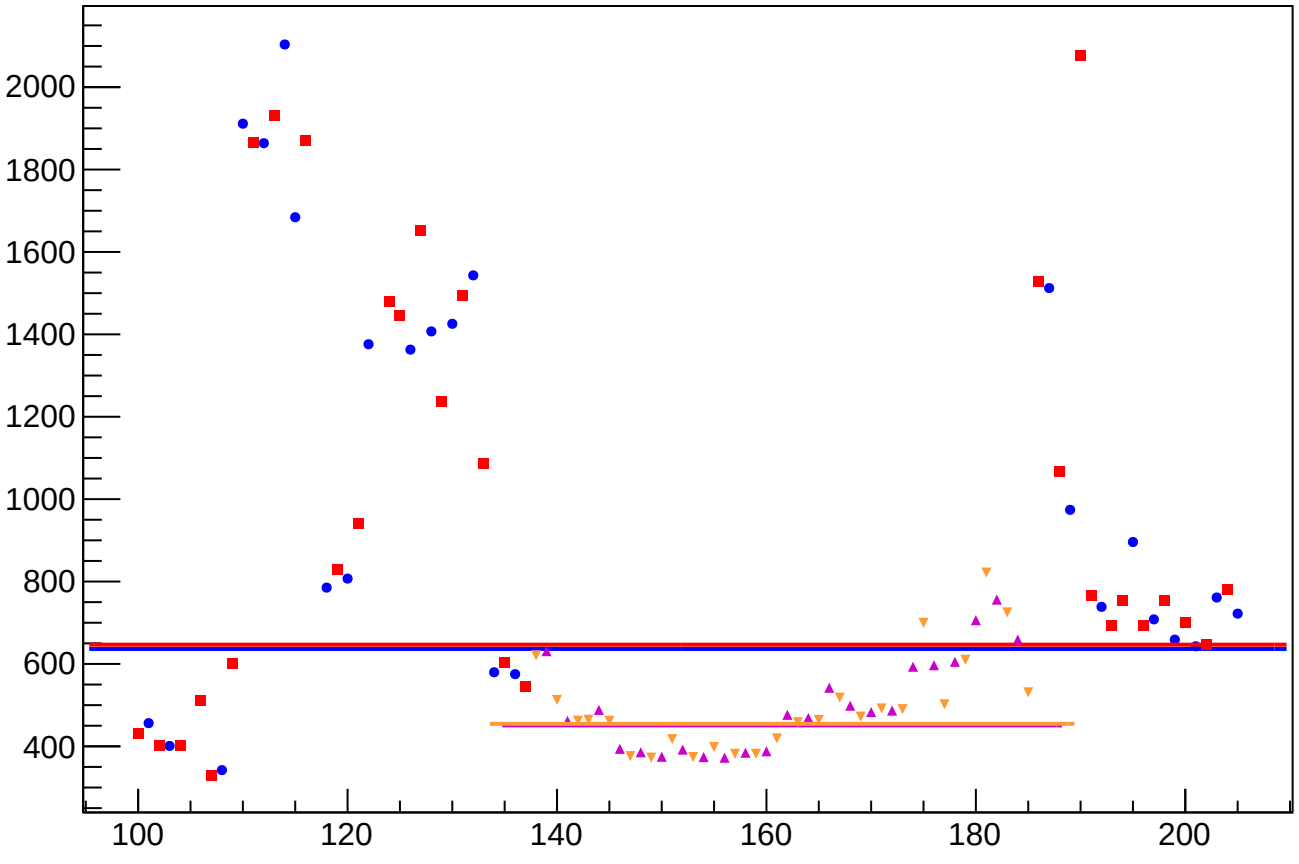
Right Out: -0.306+/-0.183 χ^2/NDF: 29.7/29

Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.332+/-0.092 χ^2/NDF: 64.4/49

All: -0.227+/-0.065 χ^2/NDF: 127.9/102

- sign -0.119+/-0.093 χ^2/NDF: 60.9/52



Right In: 636.453+/-0.131 χ^2/NDF: 4119495.9/24

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 646.794+/-0.129 χ^2/NDF: 4698200.7/29

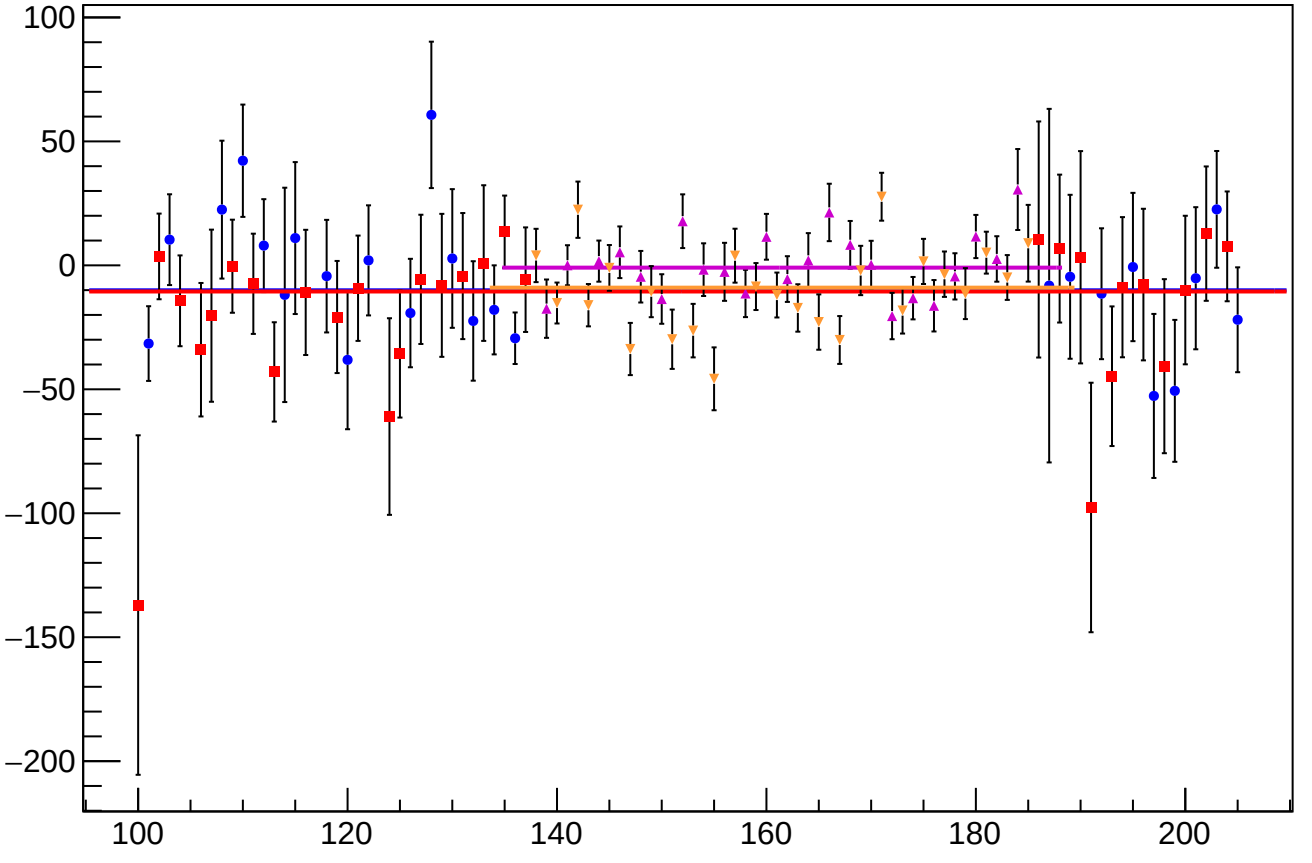
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 499.318+/-0.065 χ^2/NDF: 7015106.9/49

All: 500.401+/-0.046 χ^2/NDF: 14886586.8/10

- sign 501.509+/-0.066 χ^2/NDF: 7870920.0/52

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -10.065+/-4.474 χ^2/NDF: 28.8/24

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -10.543+/-4.564 χ^2/NDF: 21.0/29

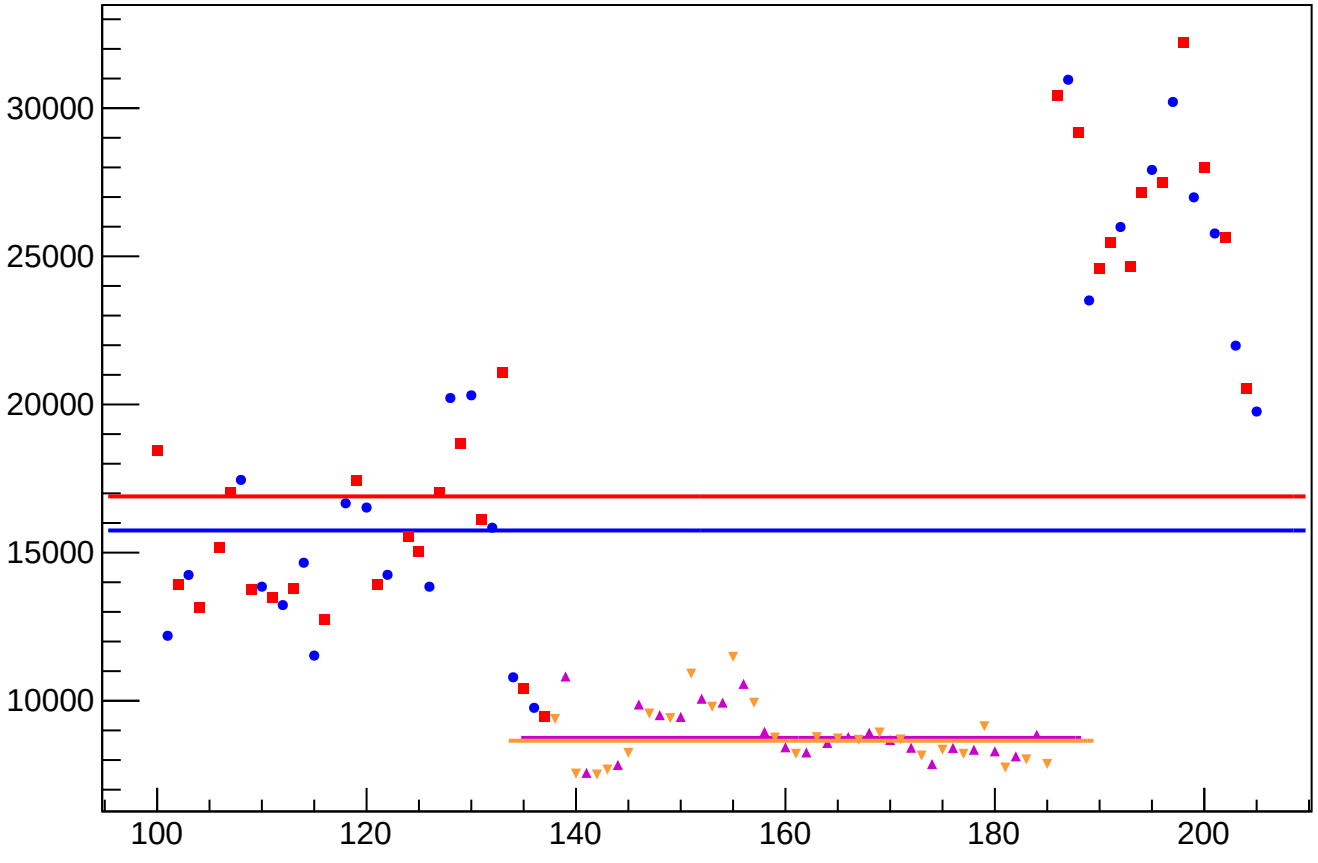
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.175+/-1.812 χ^2/NDF: 90.2/49

All: -5.973+/-1.303 χ^2/NDF: 151.1/102

- sign -2.547+/-1.874 χ^2/NDF: 54.5/52

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 15747.727+/-3.163 χ^2/NDF: 3145976.5/24

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 16897.397+/-3.227 χ^2/NDF: 3302645.2/29

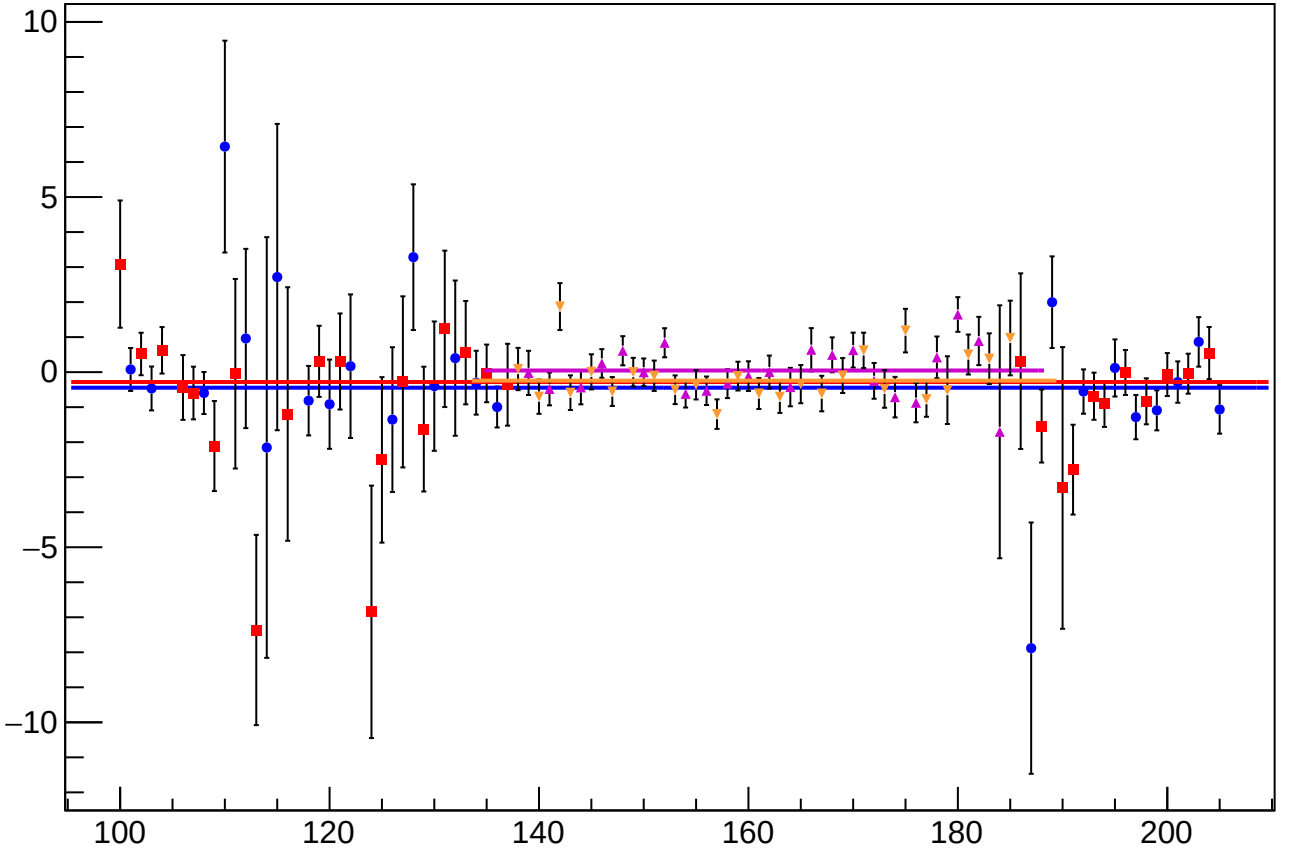
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9815.971+/-1.281 χ^2/NDF: 7757851.4/49

All: 9963.241+/-0.921 χ^2/NDF: 16722764.6/1

- sign 10120.820+/-1.325 χ^2/NDF: 8937564.2/52

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.444+/-0.176 χ^2/NDF: 27.3/24

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.282+/-0.174 χ^2/NDF: 31.9/29

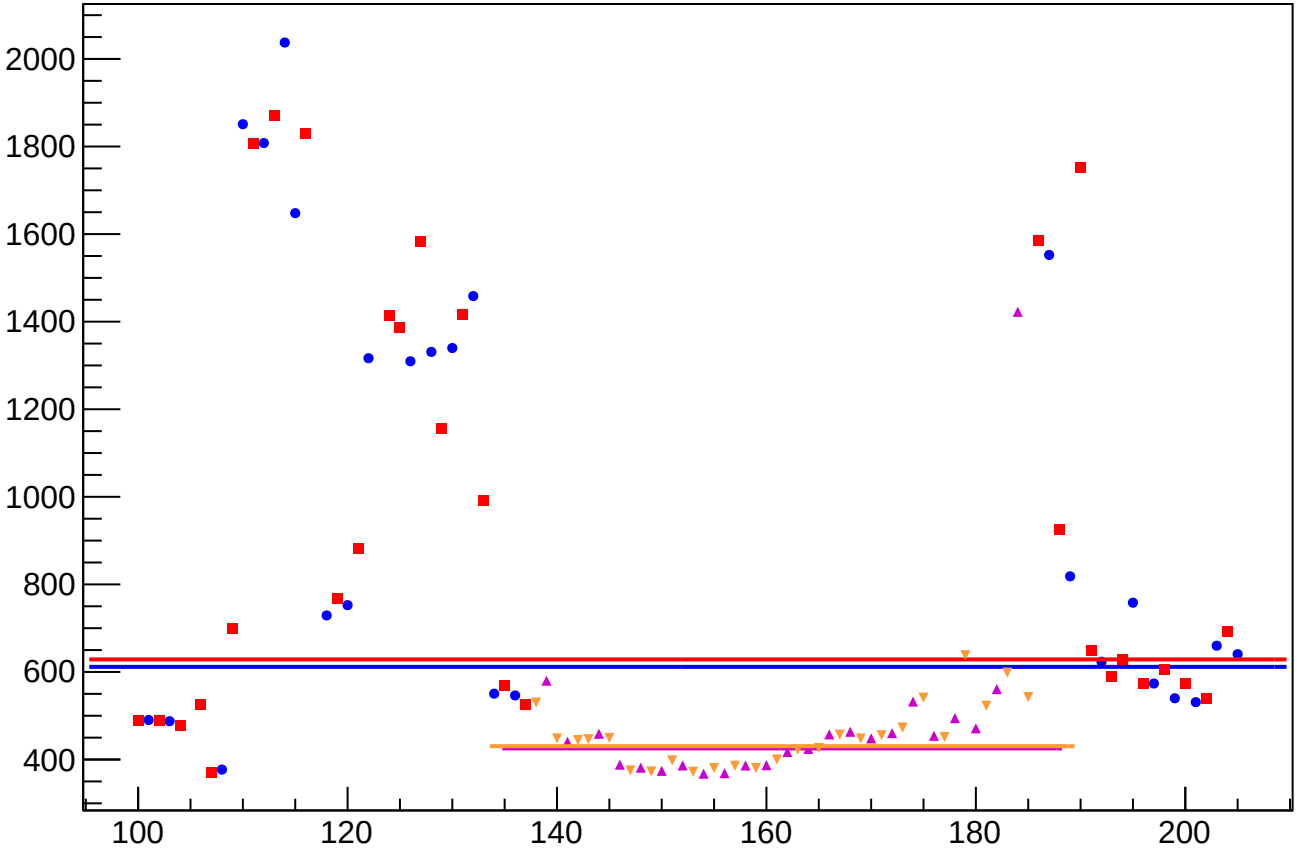
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.292+/-0.087 χ^2/NDF: 62.6/49

All: -0.165+/-0.062 χ^2/NDF: 136.5/102

- sign -0.037+/-0.088 χ^2/NDF: 69.6/52

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 611.663+/-0.124 χ^2/NDF: 3194490.3/24

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

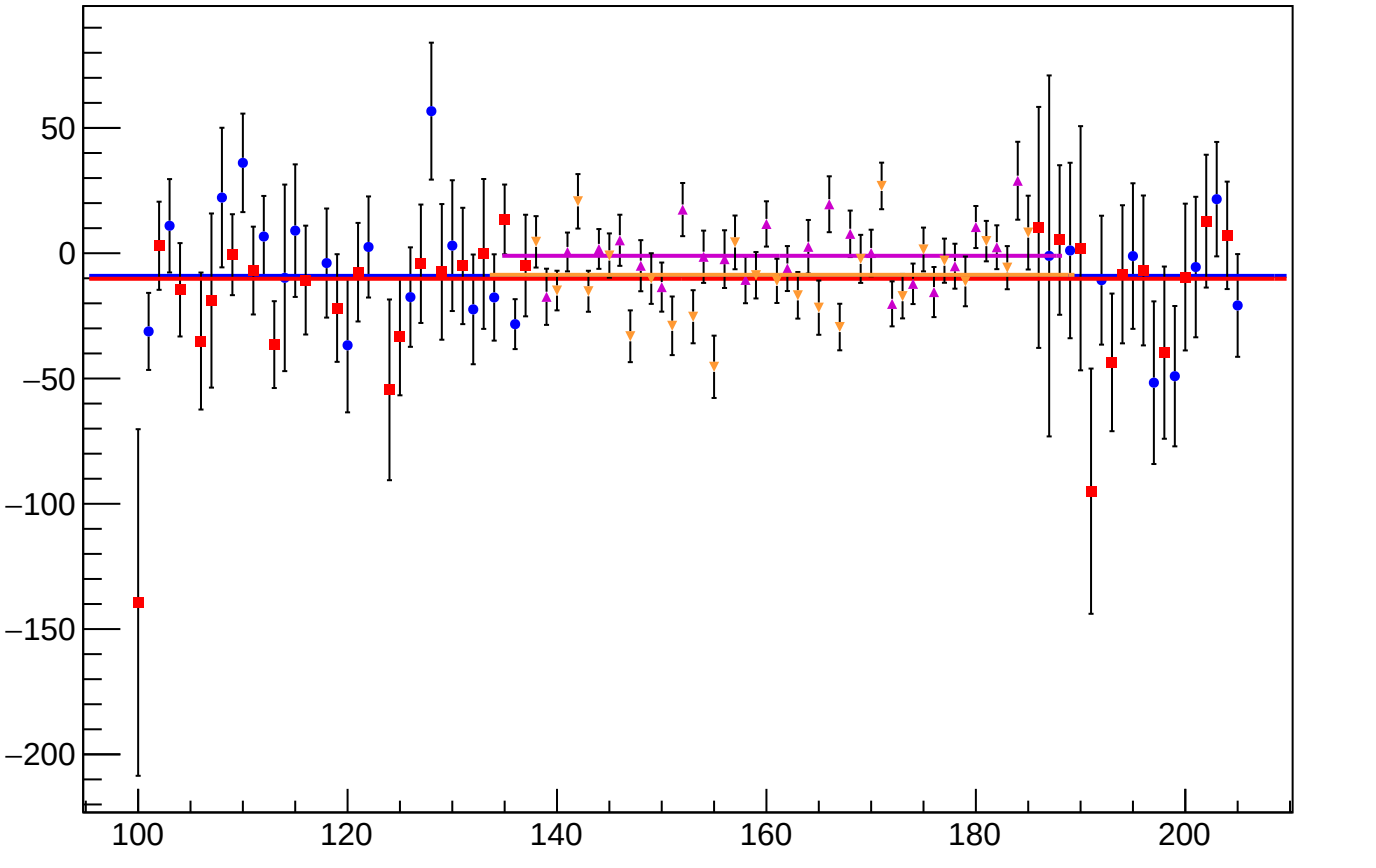
Right Out: 628.649+/-0.123 χ^2/NDF: 3503814.8/29

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 474.991+/-0.062 χ^2/NDF: 5450734.3/49

All: 475.894+/-0.044 χ^2/NDF: 11701505.9/10

- sign 476.812+/-0.062 χ^2/NDF: 6250337.5/52



Right In: -9.041+/-4.253 χ^2/NDF: 29.2/24

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.192+/-4.309 χ^2/NDF: 20.8/29

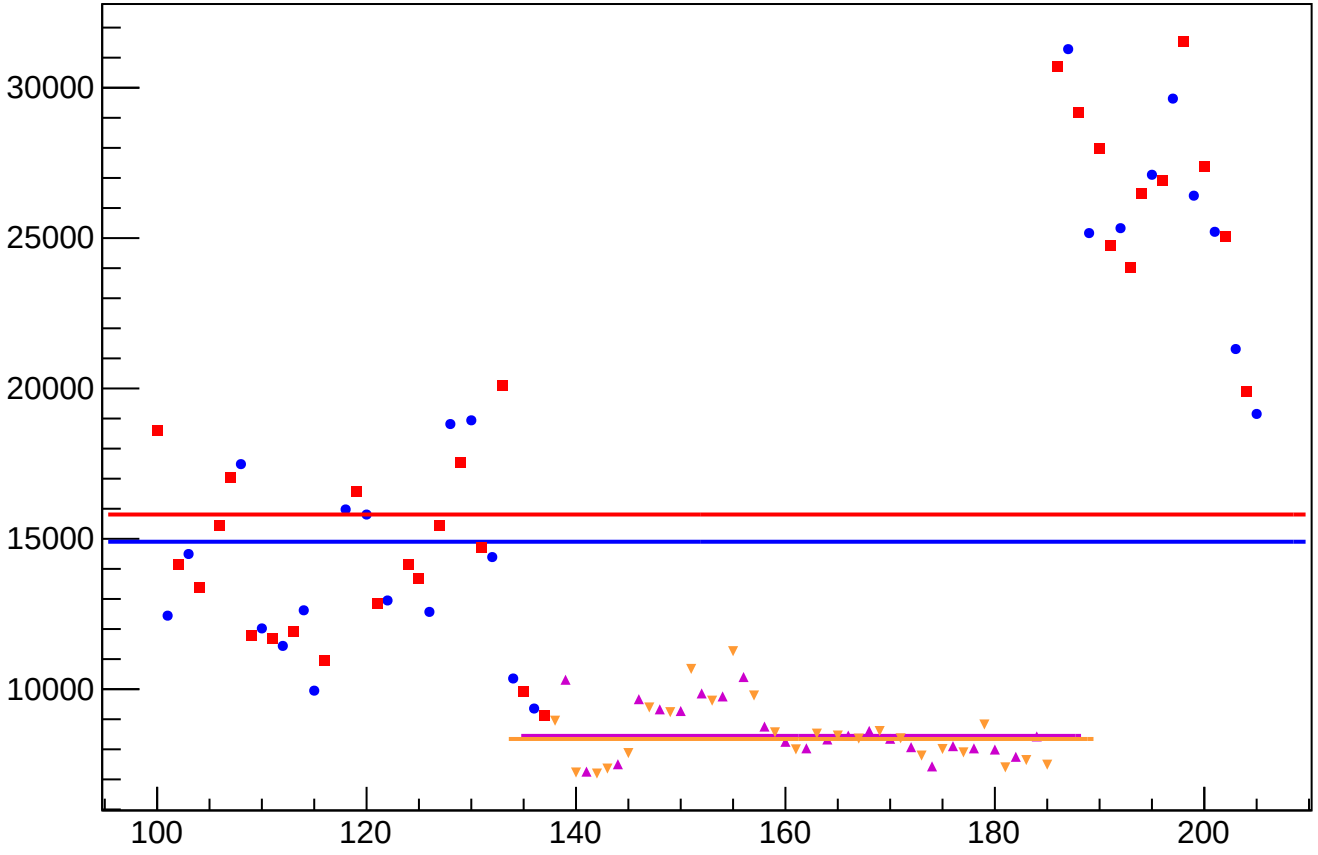
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.693+/-1.745 χ^2/NDF: 90.9/49

All: -5.765+/-1.254 χ^2/NDF: 151.0/102

- sign -2.634+/-1.804 χ^2/NDF: 54.4/52

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 14903.009+/-3.007 χ^2/NDF: 3404352.7/24

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 15808.309+/-3.047 χ^2/NDF: 3775149.0/29

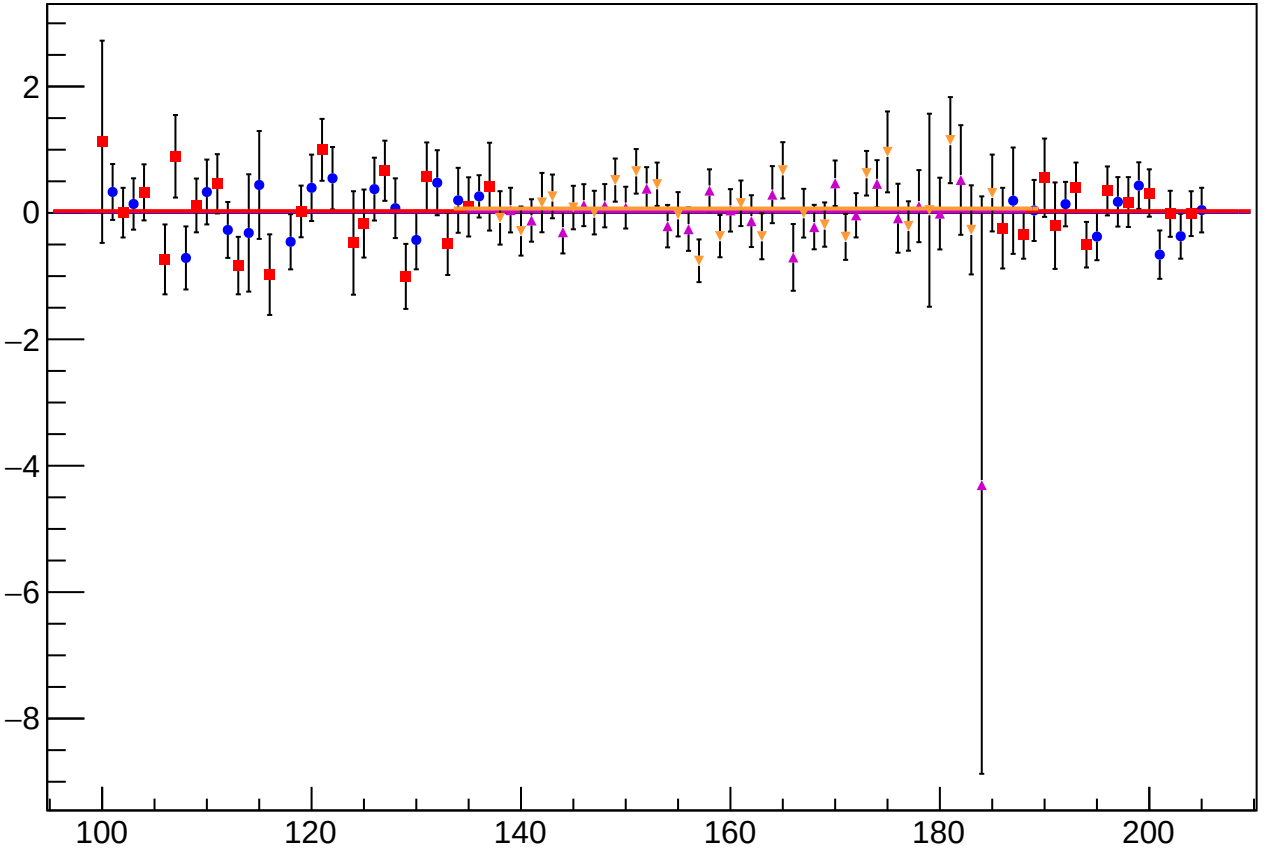
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9447.936+/-1.234 χ^2/NDF: 7829295.0/49

All: 9587.831+/-0.887 χ^2/NDF: 16828013.2/1

- sign 9737.415+/-1.276 χ^2/NDF: 8972109.9/52

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.016+/-0.089 χ^2/NDF: 16.7/24

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.027+/-0.086 χ^2/NDF: 30.8/29

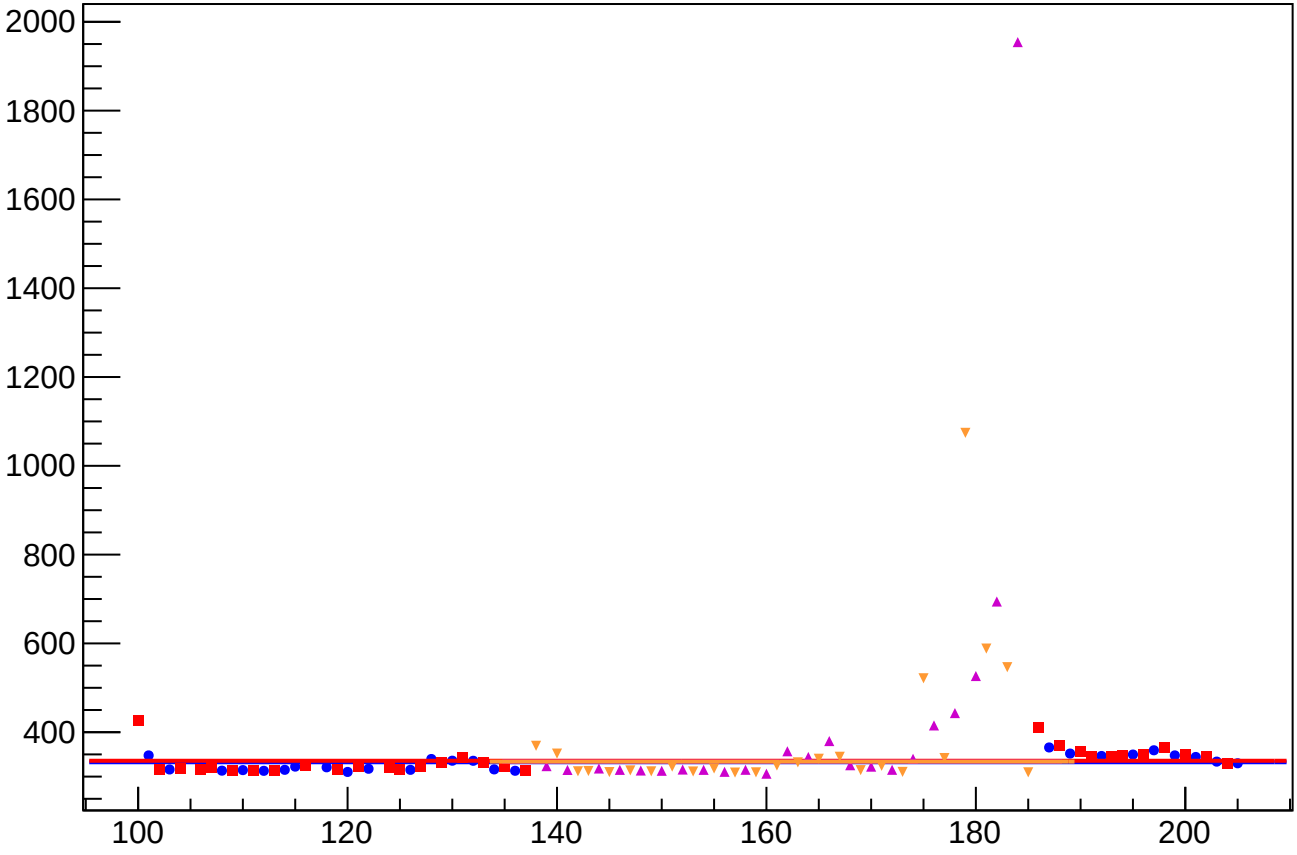
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.046+/-0.059 χ^2/NDF: 45.1/49

All: 0.039+/-0.042 χ^2/NDF: 87.6/102

- sign 0.033+/-0.059 χ^2/NDF: 42.5/52

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.322+/-0.063 χ^2/NDF: 62790.3/24

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.681+/-0.061 χ^2/NDF: 115734.9/29

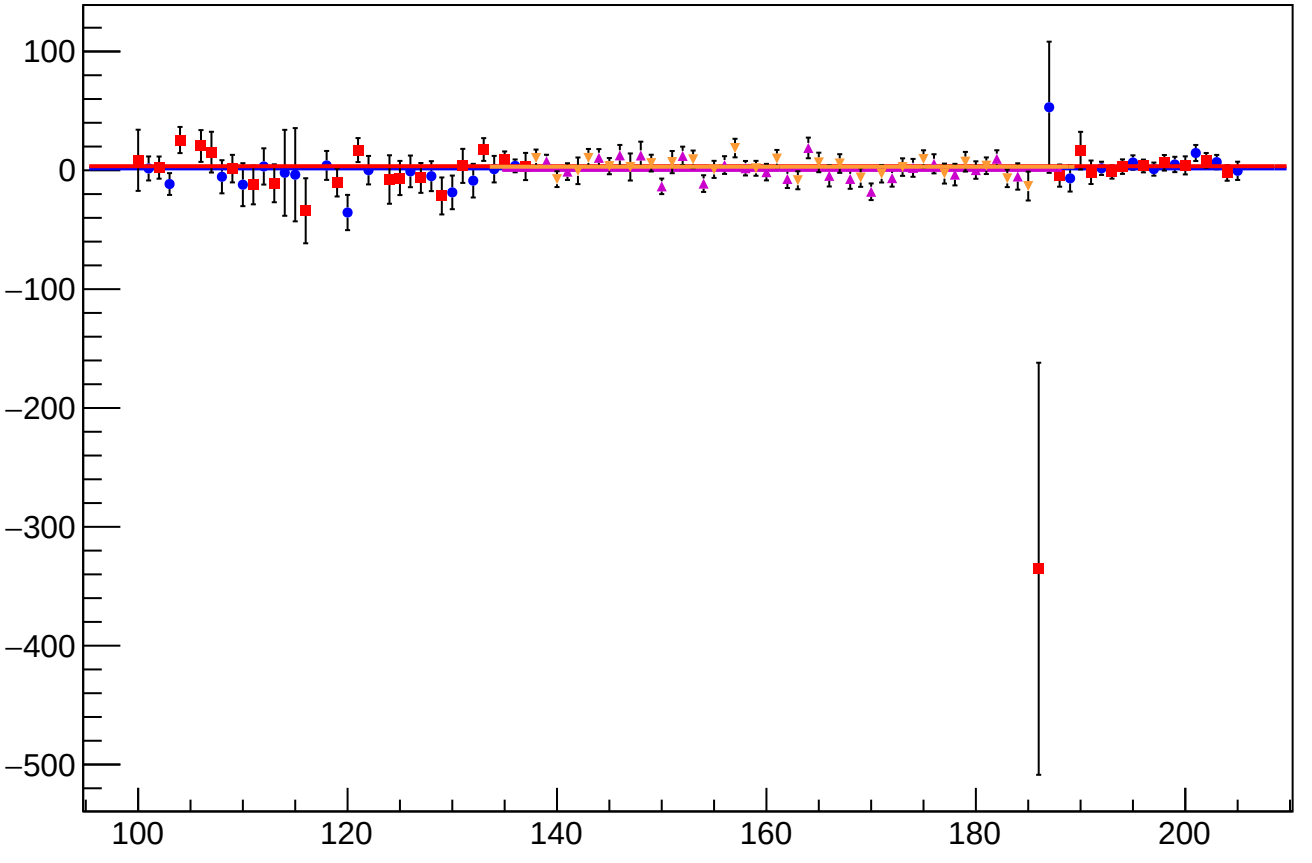
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.137+/-0.042 χ^2/NDF: 1280349.8/49

All: 333.963+/-0.029 χ^2/NDF: 2448265.9/102

- sign 334.782+/-0.042 χ^2/NDF: 1167136.6/52

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.620+/-1.800 χ^2/NDF: 19.1/24

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

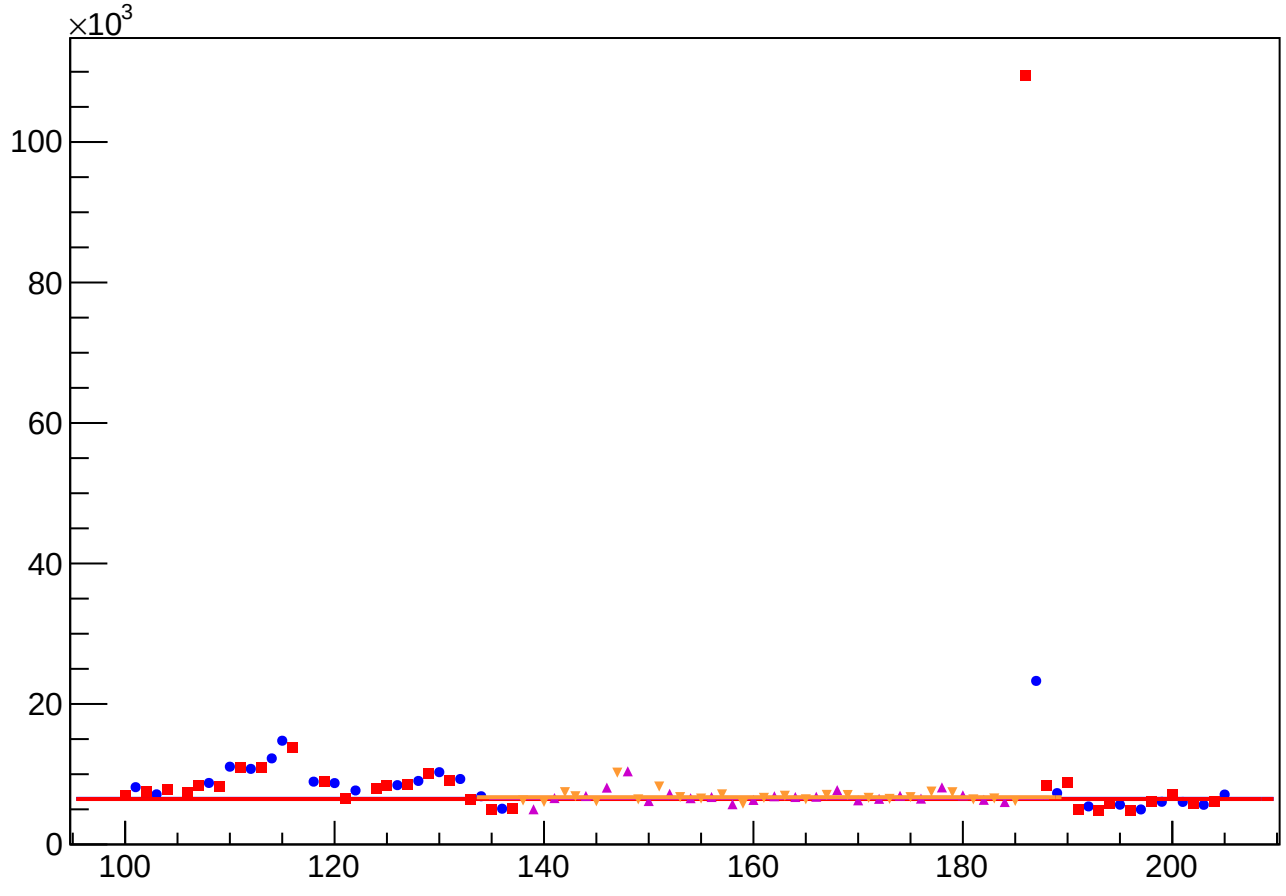
Right Out: 3.461+/-1.732 χ^2/NDF: 27.5/29

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.429+/-1.171 χ^2/NDF: 39.8/49

All: 2.089+/-0.825 χ^2/NDF: 103.1/102

- sign 1.753+/-1.162 χ^2/NDF: 63.1/52



Right In: 6493.779+/-1.272 χ^2/NDF: 1700525.5/24

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

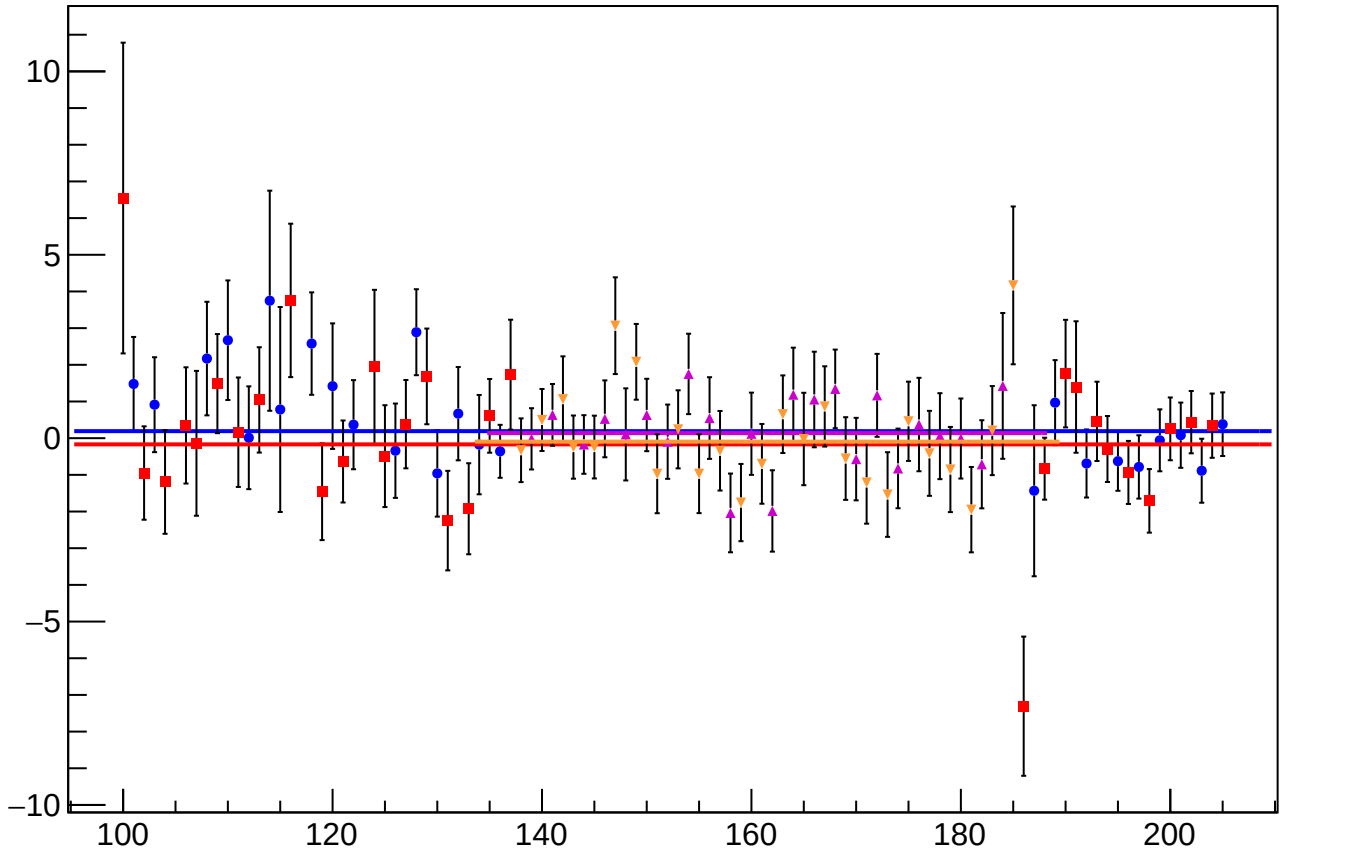
Right Out: 6466.132+/-1.224 χ^2/NDF: 2370051.3/29

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6625.972+/-0.828 χ^2/NDF: 2122555.0/49

All: 6591.569+/-0.583 χ^2/NDF: 5135695.3/10

- sign 6557.654+/-0.822 χ^2/NDF: 3009711.0/52



Right In: 0.191+/-0.225 χ^2/NDF: 23.2/24

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.169+/-0.219 χ^2/NDF: 42.9/29

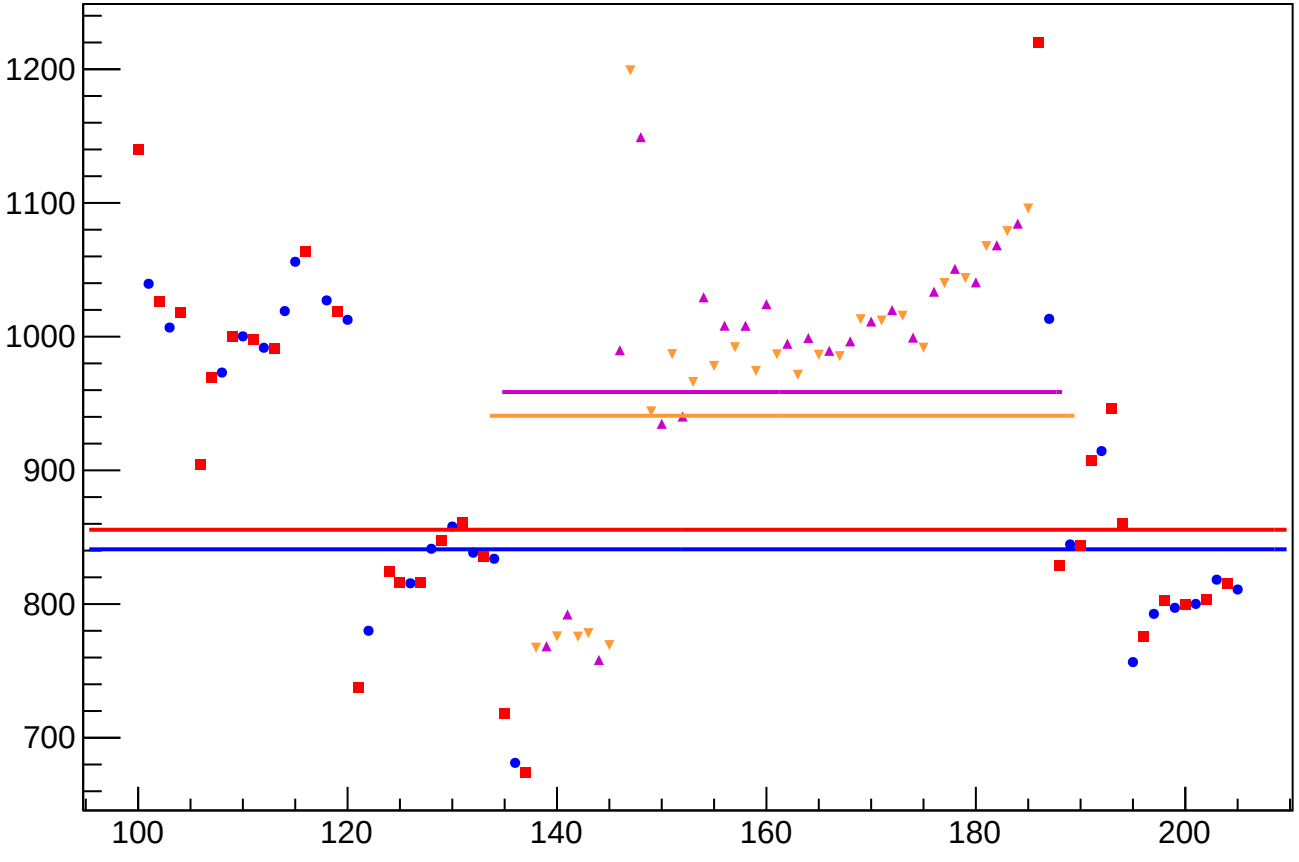
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.042+/-0.156 χ^2/NDF: 51.4/49

All: 0.011+/-0.111 χ^2/NDF: 111.9/102

- sign -0.020+/-0.157 χ^2/NDF: 60.4/52

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 840.945+/-0.159 χ^2/NDF: 381343.0/24

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 855.588+/-0.155 χ^2/NDF: 419327.3/29

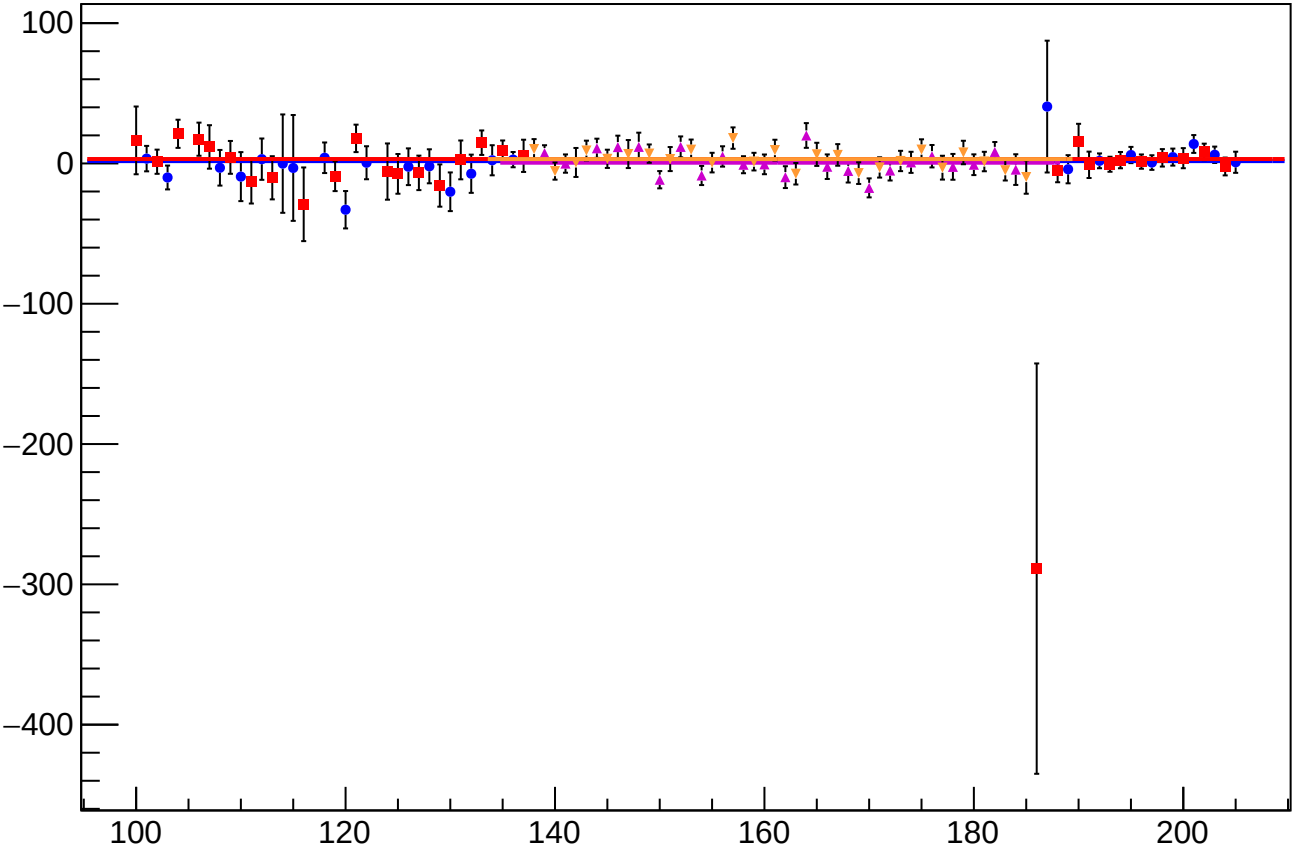
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 893.159+/-0.110 χ^2/NDF: 1155509.6/49

All: 899.332+/-0.078 χ^2/NDF: 2252855.4/102

- sign 905.612+/-0.111 χ^2/NDF: 1091004.1/52

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.657+/-1.713 χ^2/NDF: 18.6/24

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.156+/-1.640 χ^2/NDF: 26.0/29

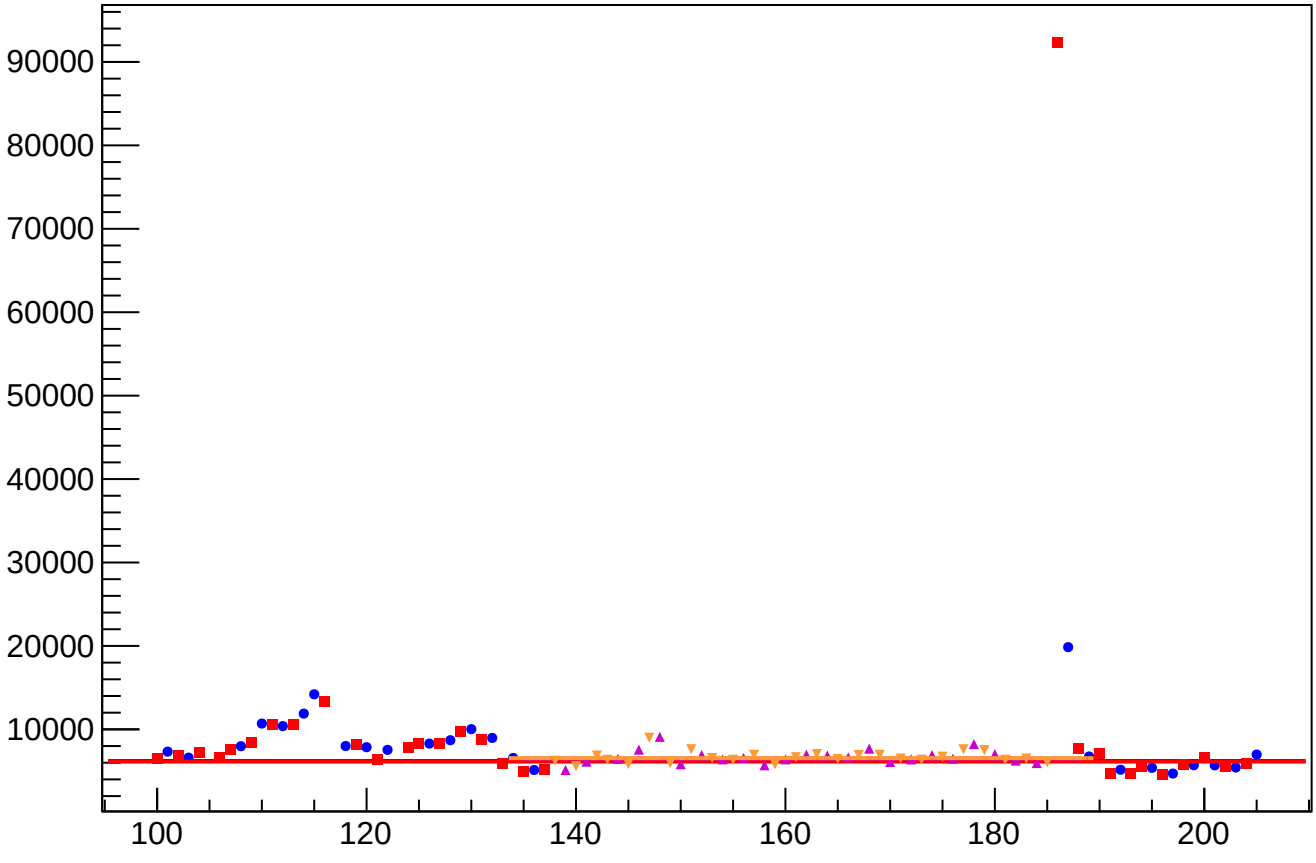
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.473+/-1.129 χ^2/NDF: 37.6/49

All: 2.109+/-0.795 χ^2/NDF: 97.2/102

- sign 1.750+/-1.120 χ^2/NDF: 59.4/52

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6198.789+/-1.212 χ^2/NDF: 1617611.0/24

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6142.515+/-1.159 χ^2/NDF: 2297149.8/29

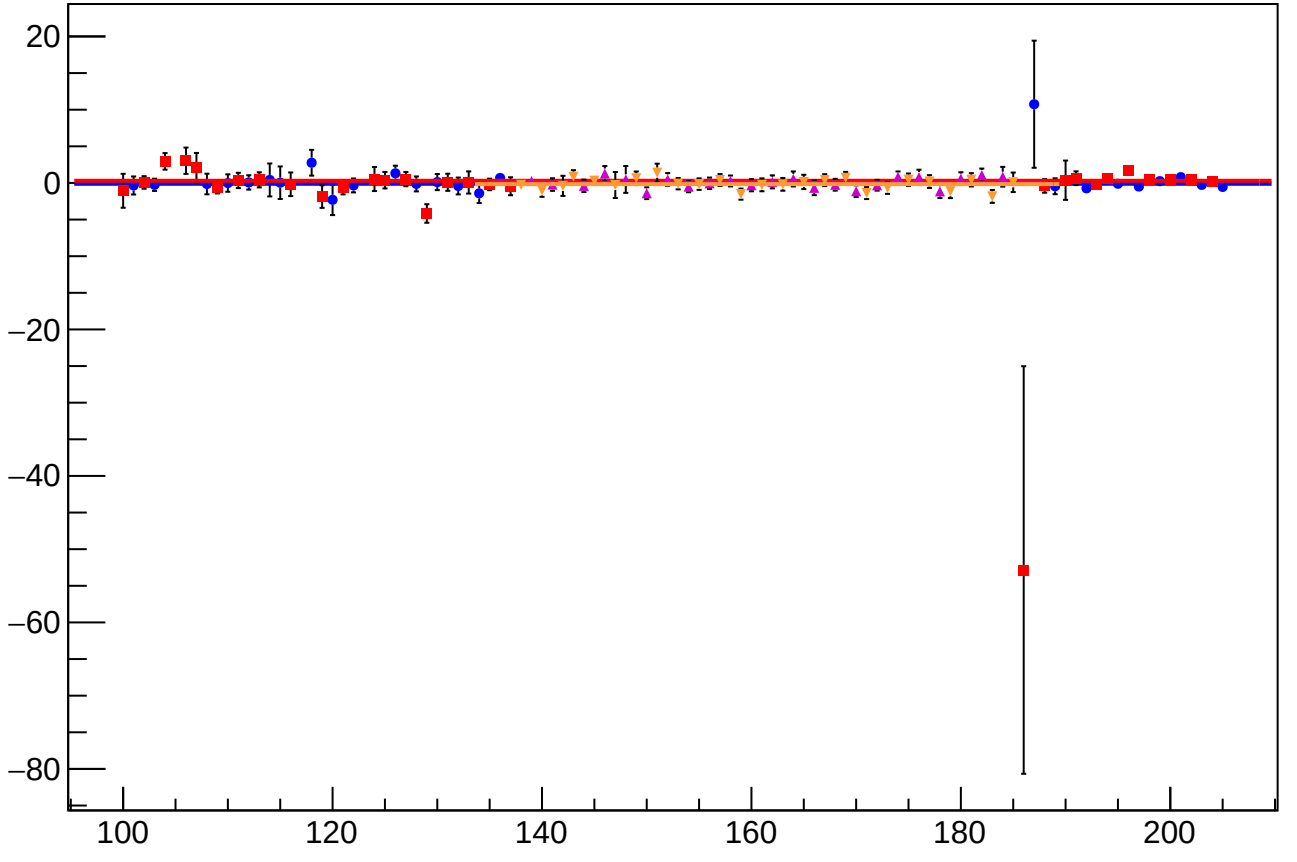
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6396.969+/-0.798 χ^2/NDF: 2030950.2/49

All: 6366.126+/-0.562 χ^2/NDF: 4898679.0/10

- sign 6335.731+/-0.792 χ^2/NDF: 2864763.6/52

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.113+/-0.160 χ^2/NDF: 15.7/24

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.297+/-0.159 χ^2/NDF: 37.9/29

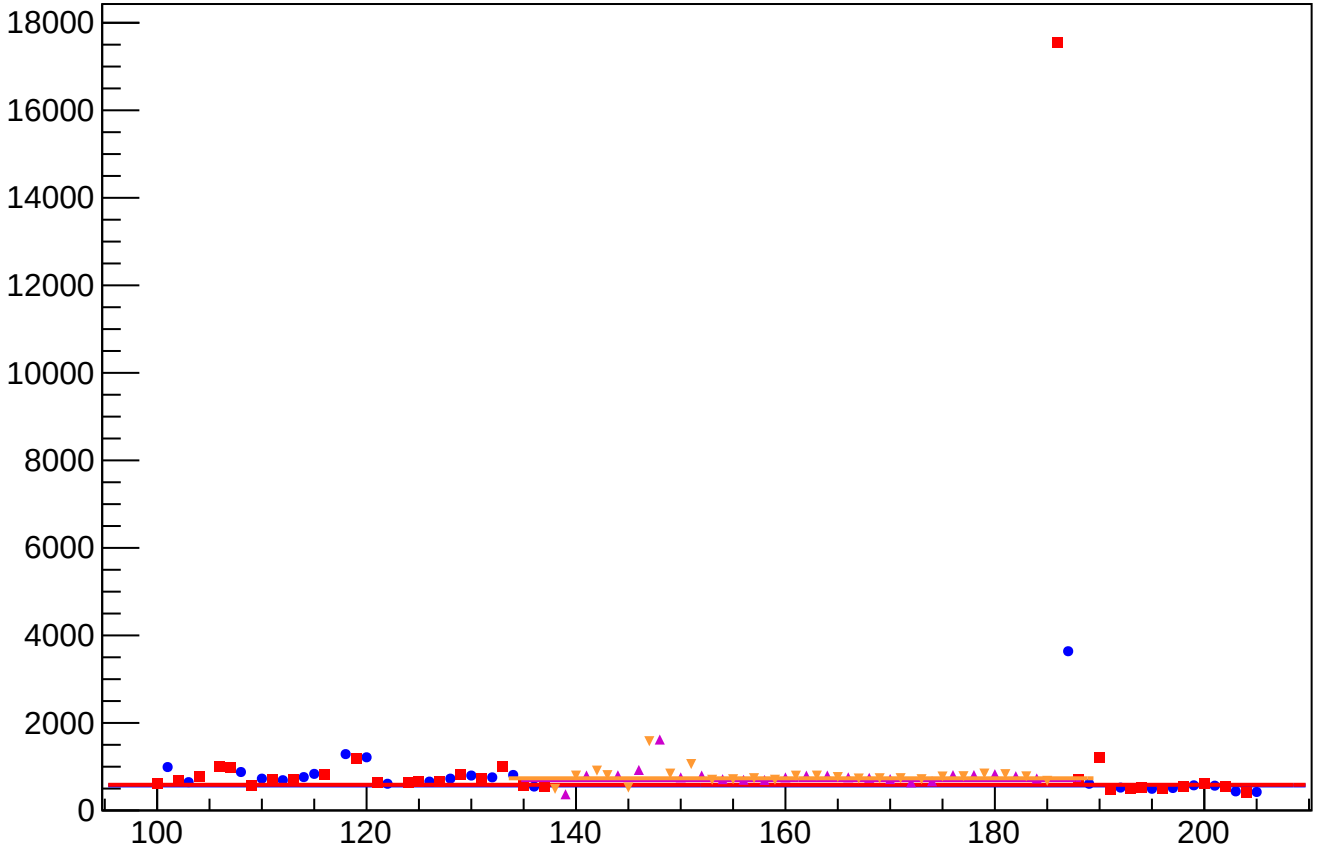
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.136+/-0.117 χ^2/NDF: 34.7/49

All: 0.017+/-0.082 χ^2/NDF: 92.7/102

- sign 0.166+/-0.116 χ^2/NDF: 54.6/52

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 571.398+/-0.113 χ^2/NDF: 1959751.2/24

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 586.631+/-0.112 χ^2/NDF: 2267956.0/29

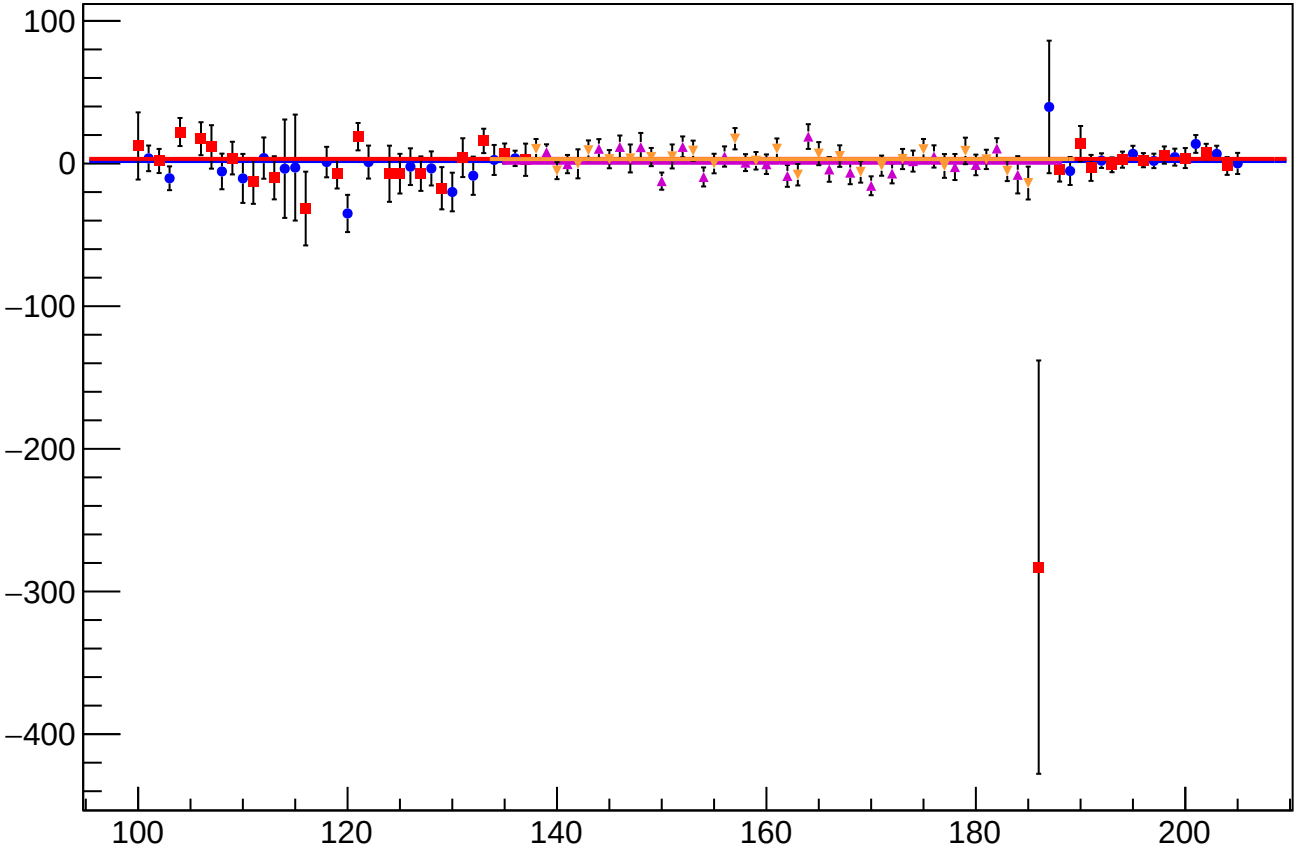
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 647.168+/-0.083 χ^2/NDF: 4269331.3/49

All: 642.041+/-0.058 χ^2/NDF: 9199625.2/102

- sign 637.035+/-0.082 χ^2/NDF: 4922721.8/52

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.757+/-1.680 χ^2/NDF: 21.2/24

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.278+/-1.606 χ^2/NDF: 27.1/29

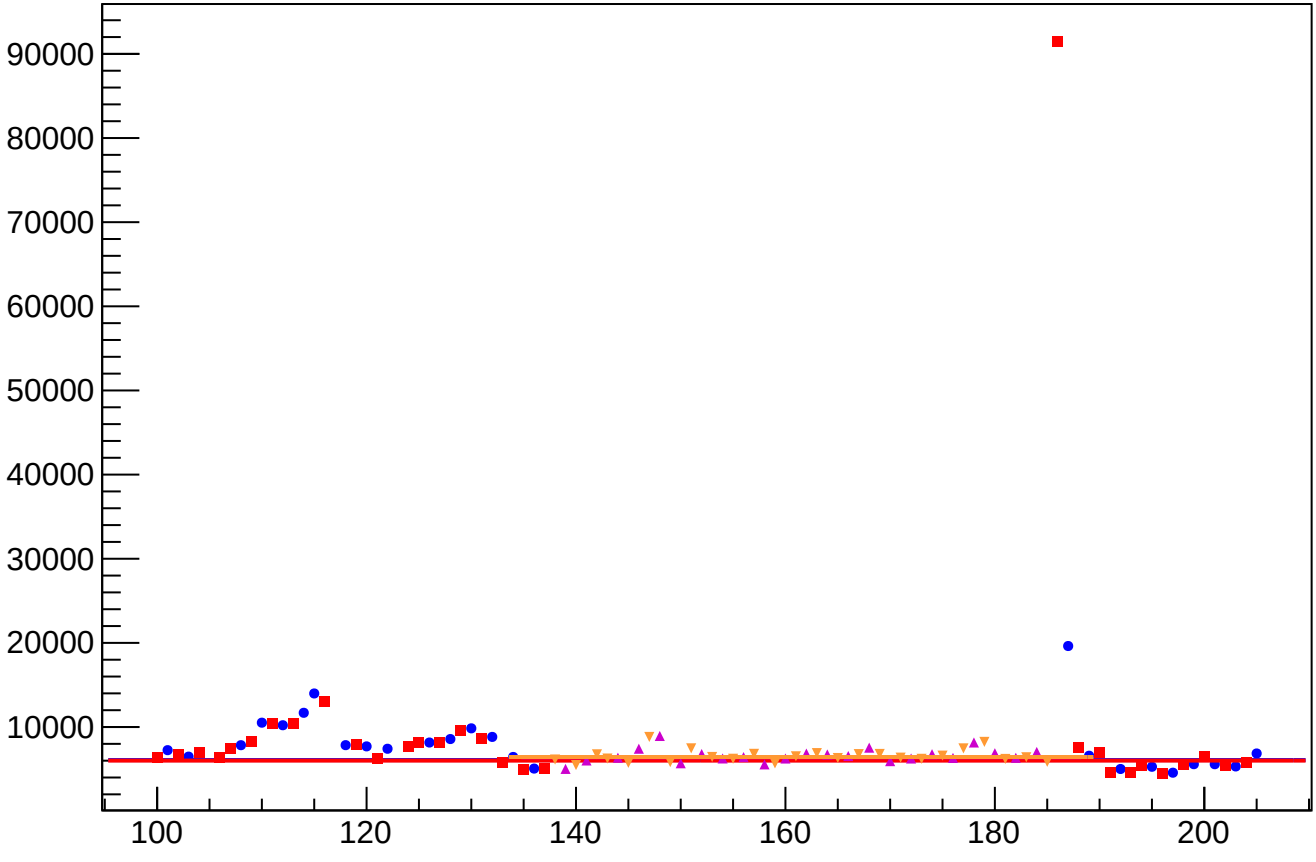
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.521+/-1.109 χ^2/NDF: 40.3/49

All: 2.174+/-0.781 χ^2/NDF: 102.7/102

- sign 1.832+/-1.101 χ^2/NDF: 62.2/52

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6071.471+/-1.188 χ^2/NDF: 1645831.8/24

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6011.863+/-1.136 χ^2/NDF: 2318344.2/29

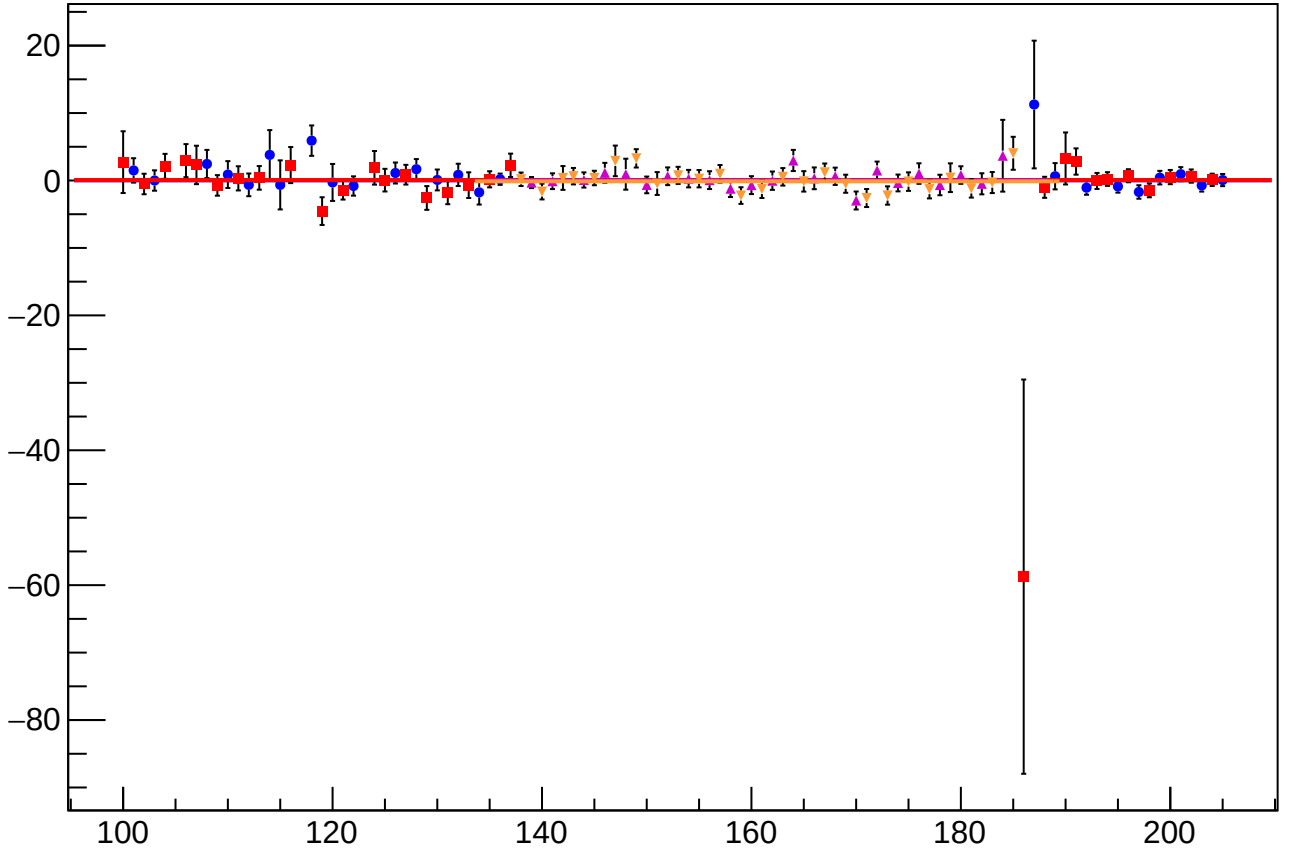
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6276.791+/-0.784 χ^2/NDF: 2116107.3/49

All: 6248.375+/-0.552 χ^2/NDF: 5025723.4/10

- sign 6220.356+/-0.779 χ^2/NDF: 2907007.5/52

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.023+/-0.271 χ^2/NDF: 21.7/24

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.066+/-0.272 χ^2/NDF: 27.4/29

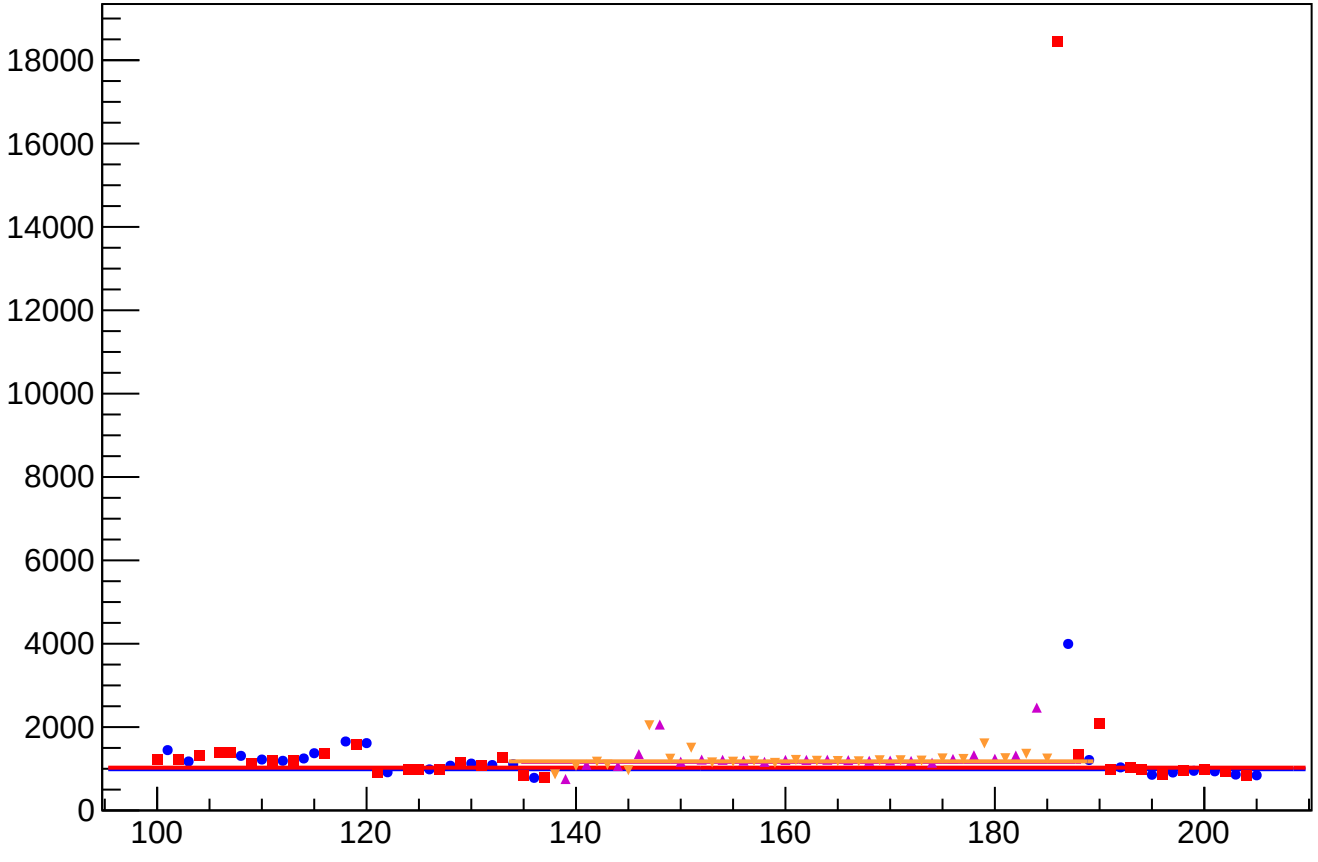
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.049+/-0.192 χ^2/NDF: 48.8/49

All: -0.001+/-0.137 χ^2/NDF: 90.8/102

- sign 0.048+/-0.194 χ^2/NDF: 41.8/52

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 989.340+/-0.192 χ^2/NDF: 1123004.9/24

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

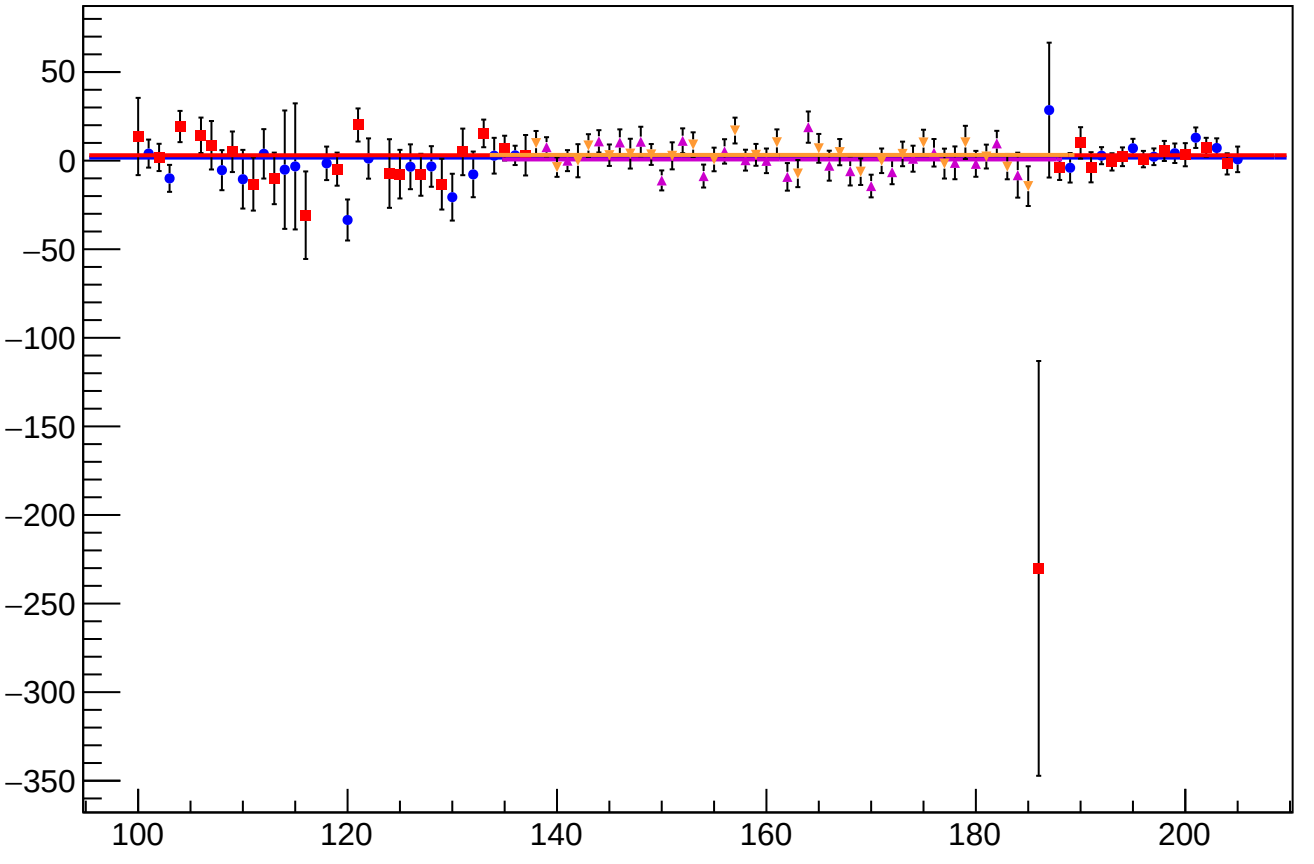
Right Out: 1026.611+/-0.192 χ^2/NDF: 1658526.4/29

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1082.747+/-0.136 χ^2/NDF: 2402865.9/49

All: 1088.050+/-0.097 χ^2/NDF: 5365495.5/10

- sign 1093.462+/-0.137 χ^2/NDF: 2959562.1/52



Right In: 1.717+/-1.578 χ^2/NDF: 23.7/24

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

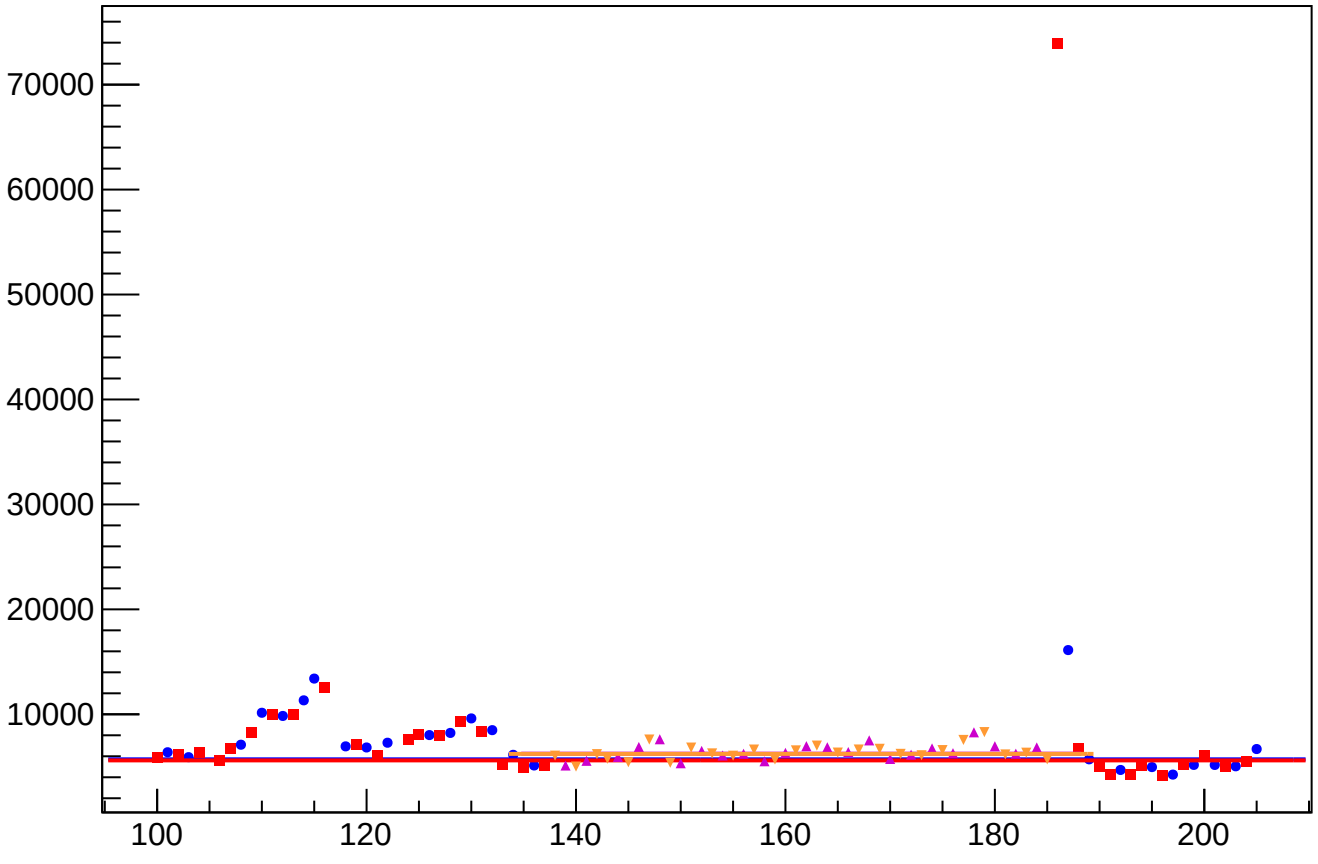
Right Out: 3.048+/-1.496 χ^2/NDF: 27.4/29

Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.550+/-1.060 χ^2/NDF: 42.1/49

All: 2.192+/-0.746 χ^2/NDF: 103.3/102

- sign 1.839+/-1.050 χ^2/NDF: 61.1/52



Right In: 5709.425+/-1.116 χ^2/NDF: 1634985.7/24

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5608.475+/-1.058 χ^2/NDF: 2333505.2/29

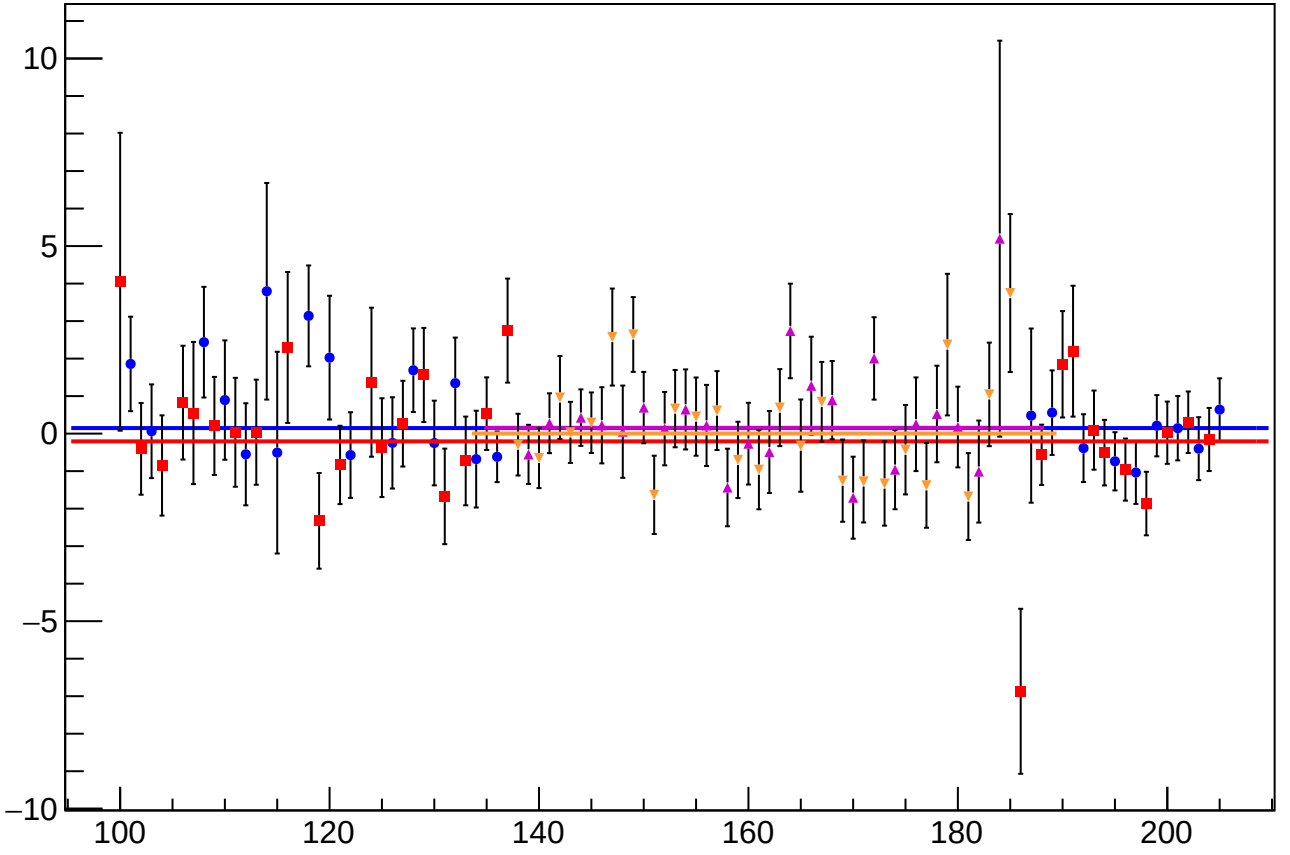
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 5994.640+/-0.749 χ^2/NDF: 2224744.8/49

All: 5963.271+/-0.527 χ^2/NDF: 5231484.4/10

- sign 5932.469+/-0.742 χ^2/NDF: 3003265.2/52

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.148+/-0.216 χ^2/NDF: 22.4/24

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.206+/-0.211 χ^2/NDF: 35.0/29

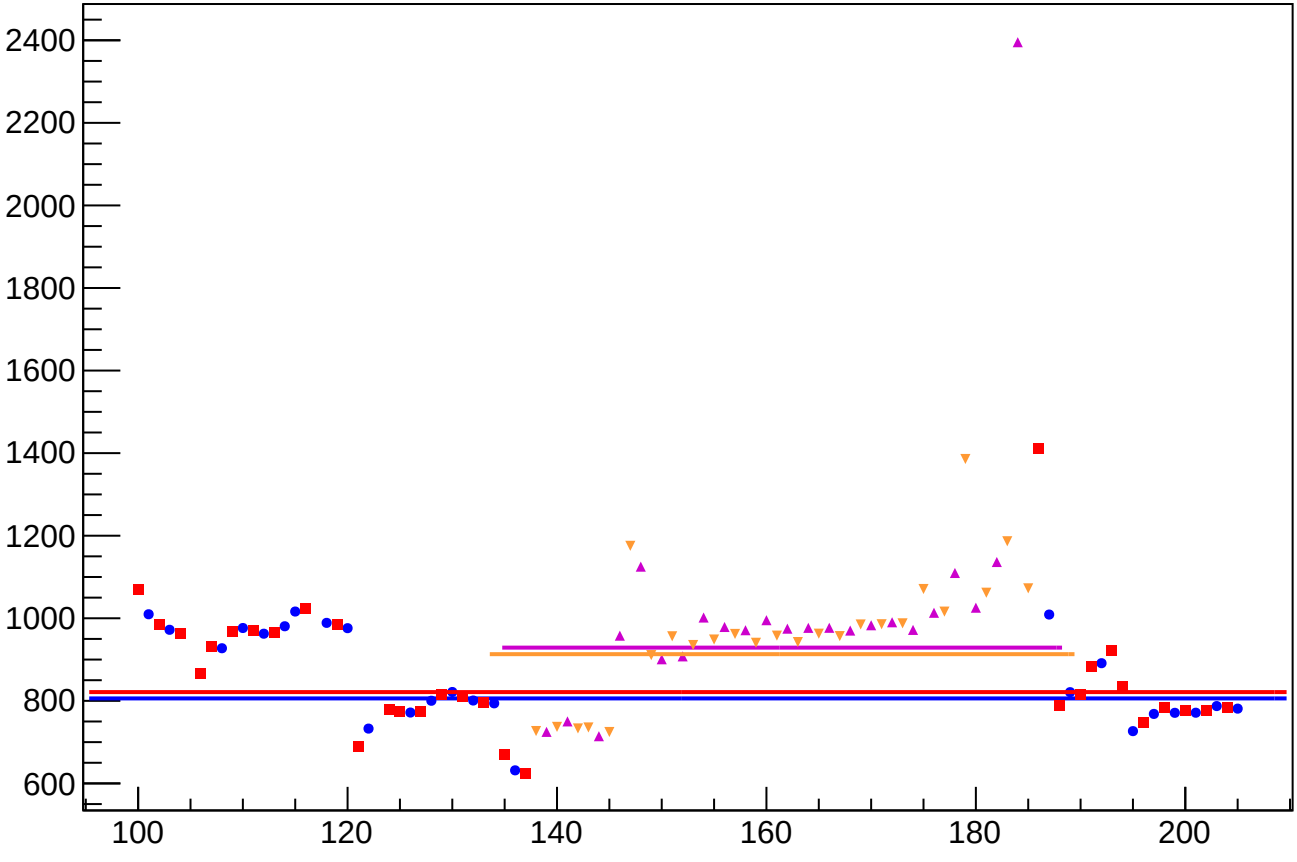
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.074+/-0.151 χ^2/NDF: 54.3/49

All: 0.020+/-0.107 χ^2/NDF: 109.4/102

- sign -0.035+/-0.153 χ^2/NDF: 54.8/52

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 805.860+/-0.153 χ^2/NDF: 440583.7/24

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

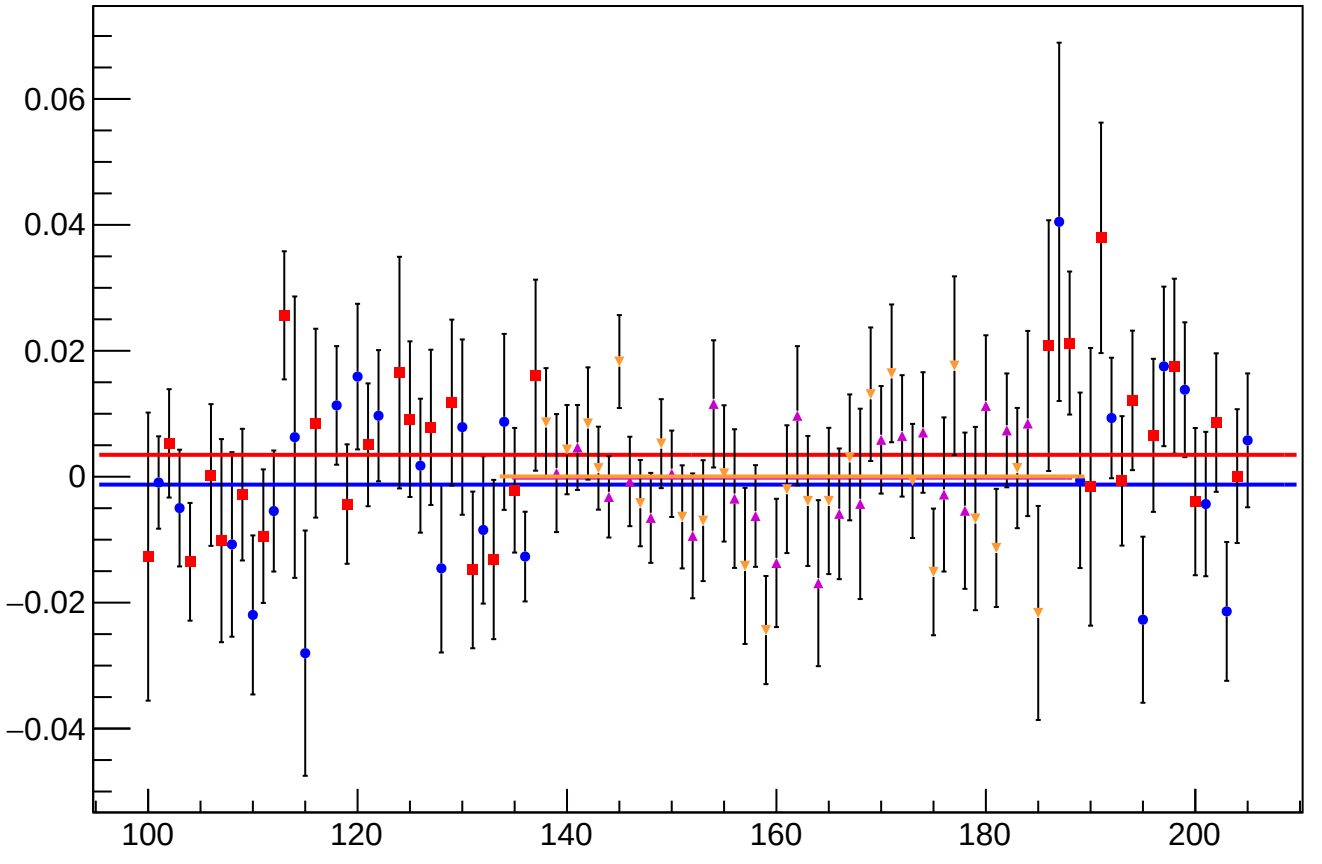
Right Out: 821.216+/-0.149 χ^2/NDF: 528968.3/29

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 860.592+/-0.107 χ^2/NDF: 1580333.1/49

All: 866.505+/-0.076 χ^2/NDF: 3133112.1/102

- sign 872.507+/-0.108 χ^2/NDF: 1546633.1/52



Right In: -0.001+/-0.002 χ^2/NDF: 29.5/24

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 27.6/29

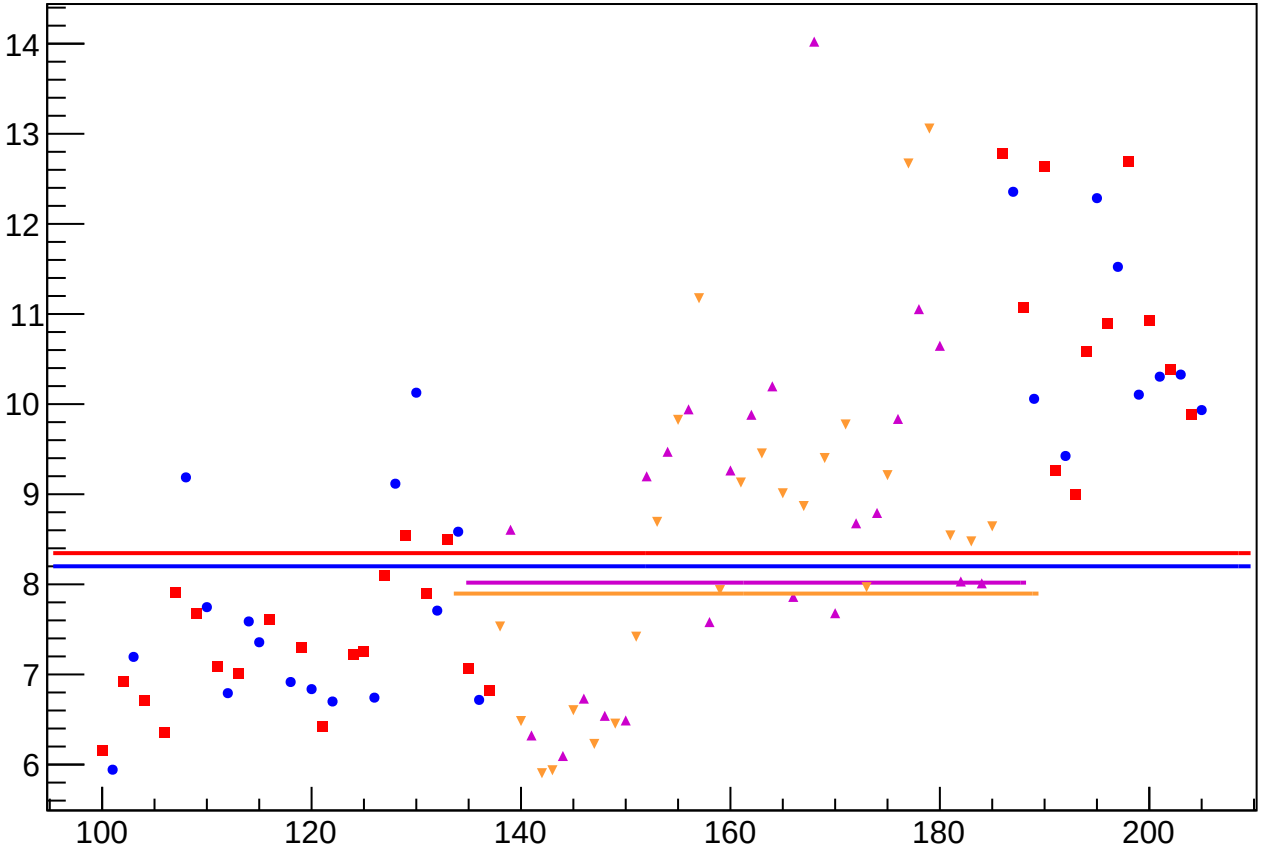
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 60.9/49

All: 0.000+/-0.001 χ^2/NDF: 103.7/102

- sign 0.001+/-0.001 χ^2/NDF: 41.9/52

diff_dispE_bpm12X_rms vs Slug



Right In: 8.200+/-0.002 χ^2/NDF: 1254625.7/24

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

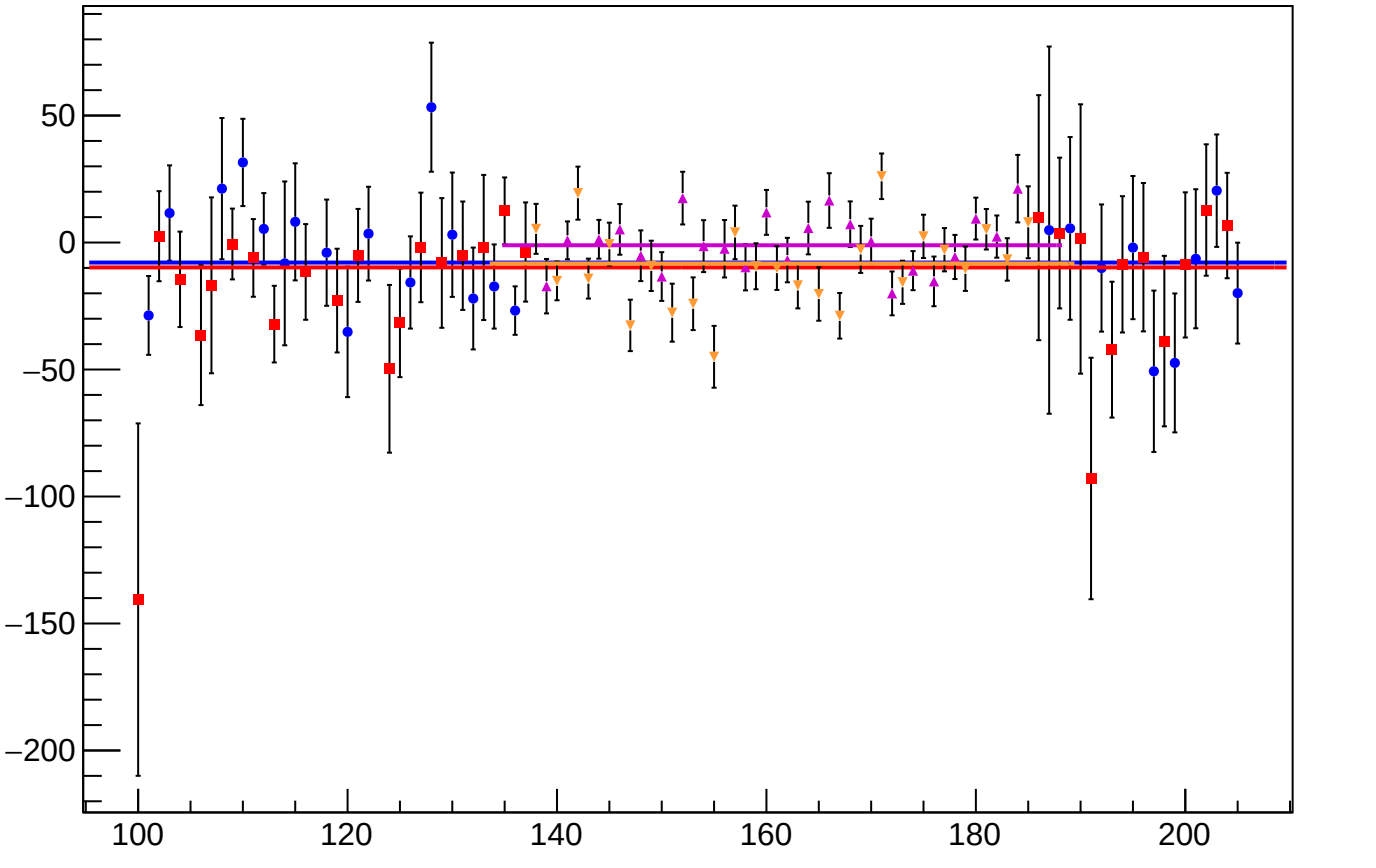
Right Out: 8.346+/-0.002 χ^2/NDF: 1331142.4/29

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.020+/-0.001 χ^2/NDF: 2867268.2/49

All: 8.090+/-0.001 χ^2/NDF: 5689452.6/102

- sign 8.162+/-0.001 χ^2/NDF: 2812339.3/52



Right In: -7.882+/-4.026 χ^2/NDF: 29.2/24

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -9.797+/-4.041 χ^2/NDF: 21.1/29

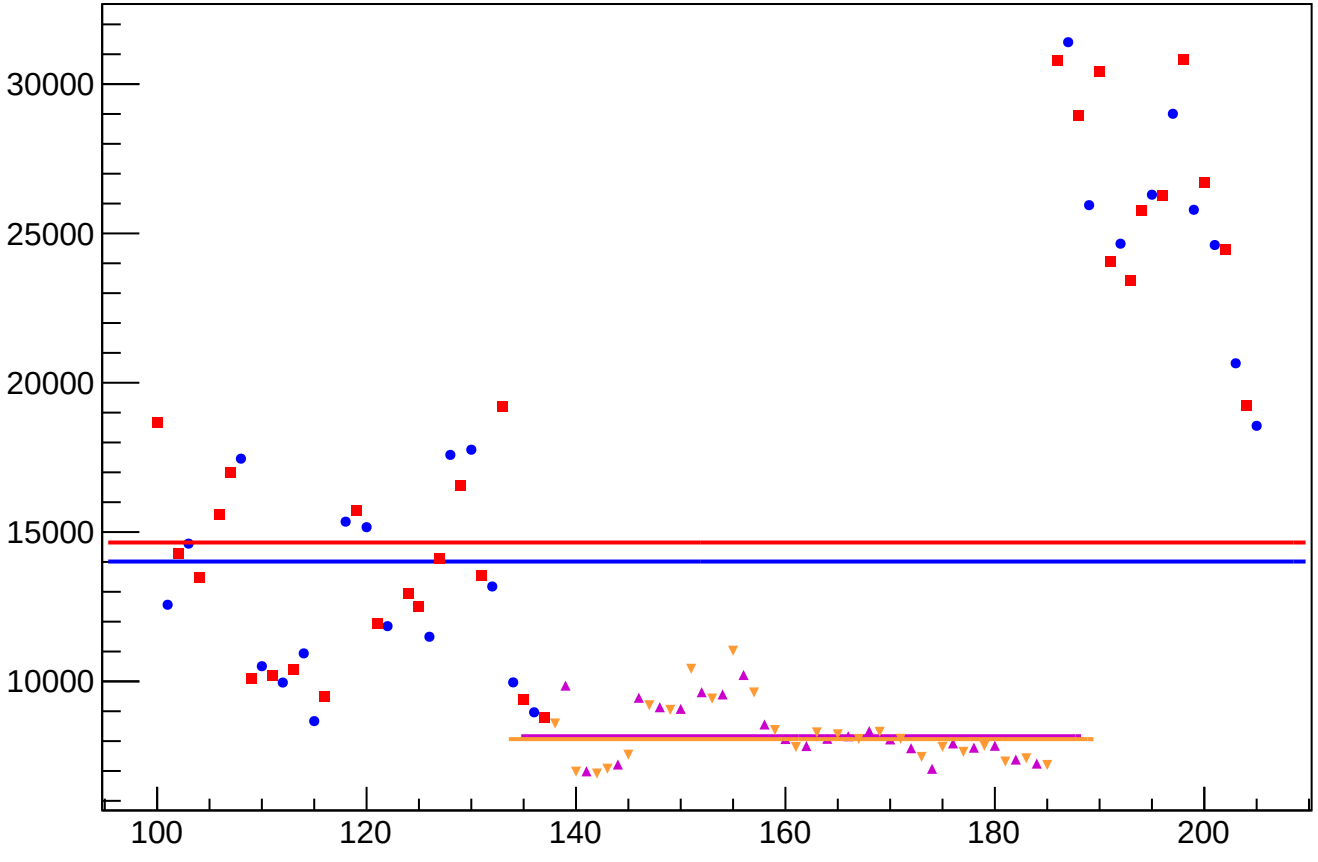
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.191+/-1.681 χ^2/NDF: 91.4/49

All: -5.523+/-1.207 χ^2/NDF: 150.3/102

- sign -2.680+/-1.735 χ^2/NDF: 53.7/52

diff_targ_positionX_rms vs Slug



Right In: 14013.190+/-2.847 χ^2/NDF: 3748797.7/24

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

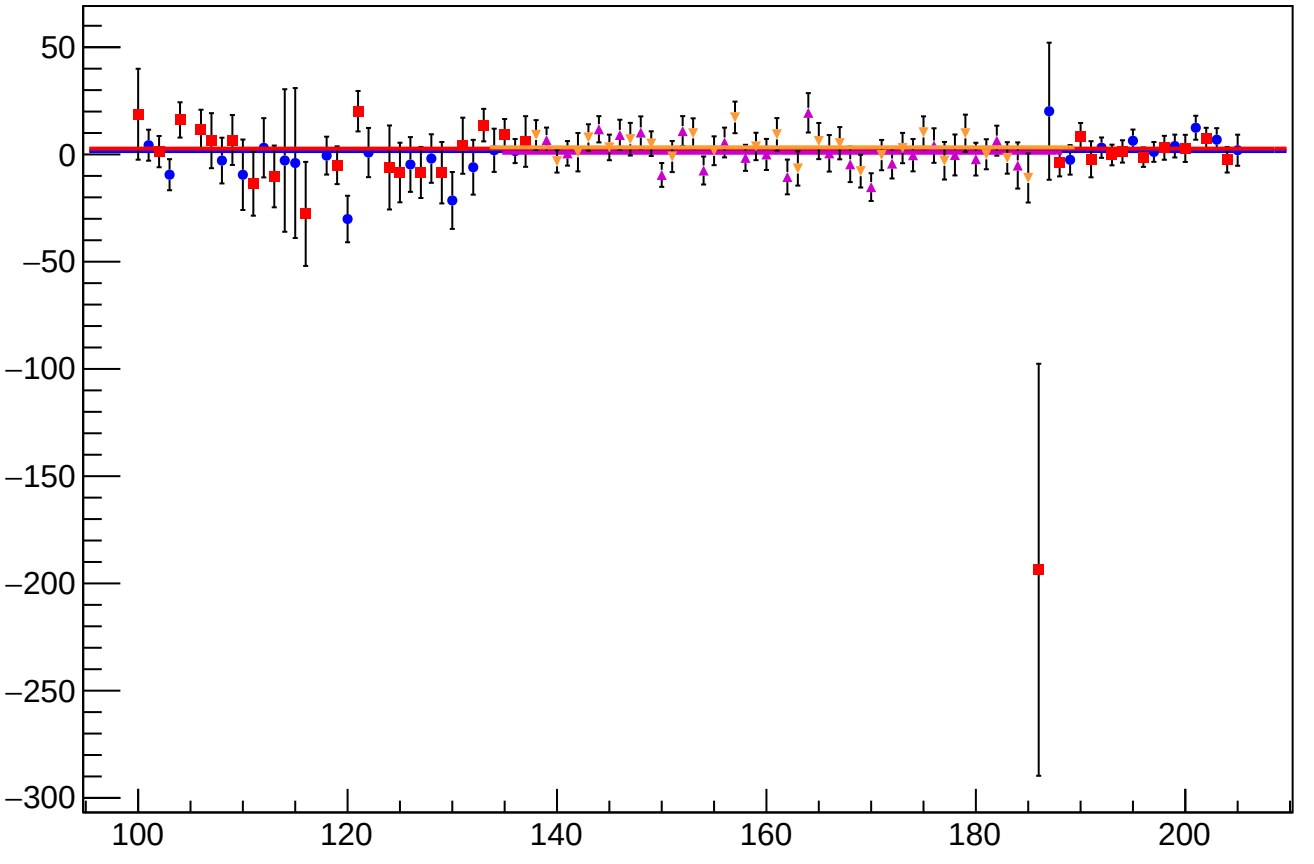
Right Out: 14650.532+/-2.857 χ^2/NDF: 4384860.5/29

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9102.879+/-1.188 χ^2/NDF: 7849801.7/49

All: 9227.001+/-0.854 χ^2/NDF: 16894427.0/1

- sign 9359.257+/-1.227 χ^2/NDF: 9022091.5/52



Right In: 1.585+/-1.535 χ^2/NDF: 22.0/24

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.710+/-1.440 χ^2/NDF: 26.8/29

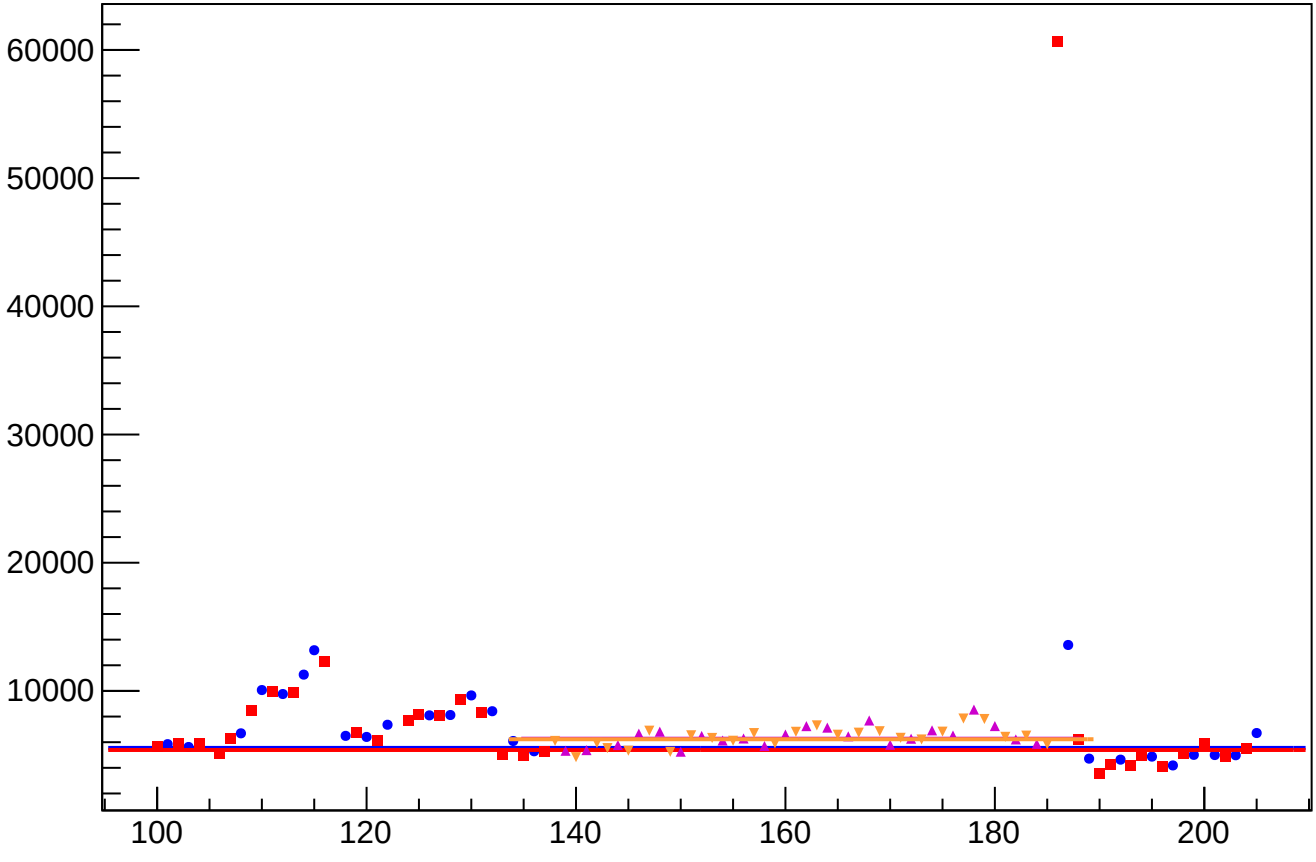
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.519+/-1.047 χ^2/NDF: 39.7/49

All: 2.143+/-0.735 χ^2/NDF: 97.0/102

- sign 1.779+/-1.032 χ^2/NDF: 57.1/52

diff_targ_positionY_rms vs Slug



Right In: 5554.281+/-1.085 χ^2/NDF: 1637149.1/24

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5393.274+/-1.018 χ^2/NDF: 2477421.2/29

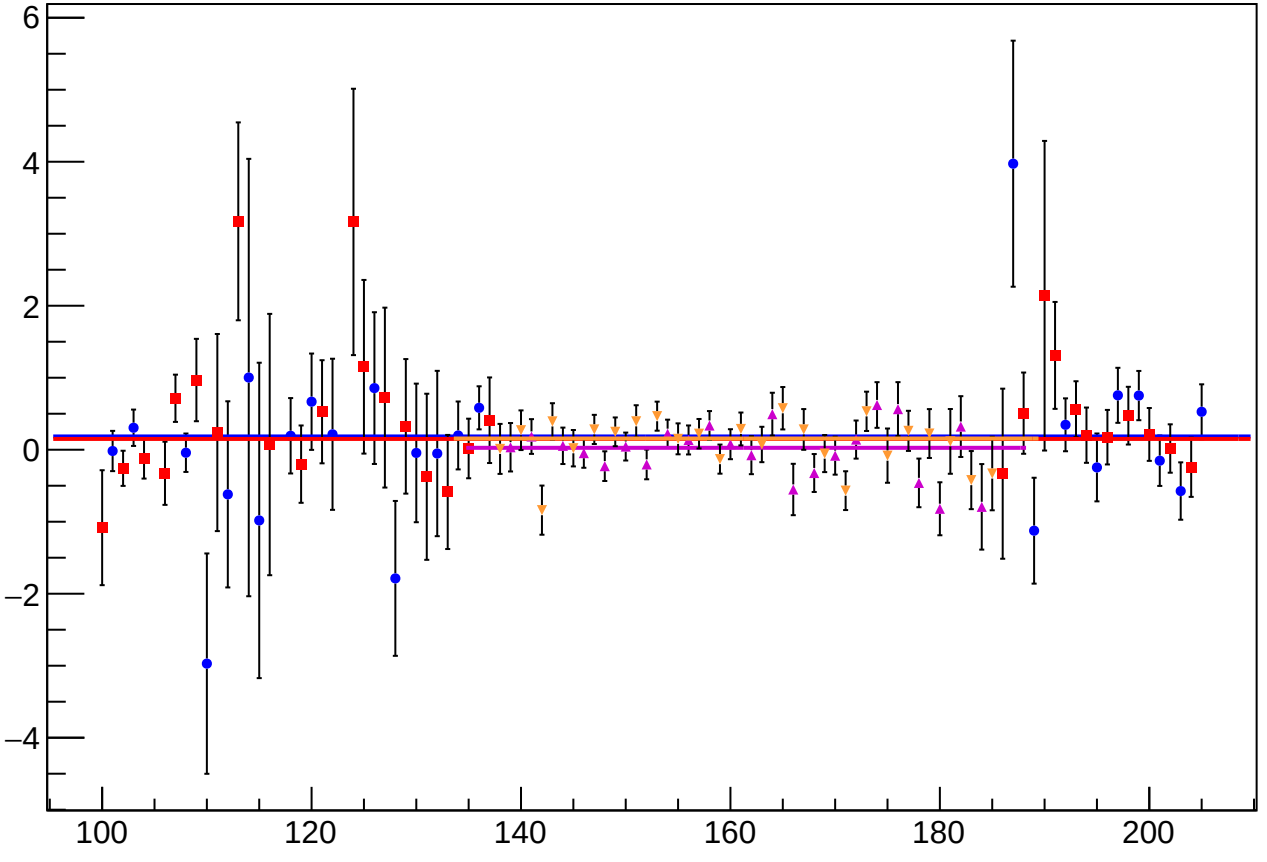
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5916.396+/-0.740 χ^2/NDF: 2377730.4/49

All: 5867.736+/-0.519 χ^2/NDF: 5729950.5/10

- sign 5820.449+/-0.729 χ^2/NDF: 3343693.9/52

diff_targ_thetaX_mean vs Slug



Right In: 0.184+/-0.091 χ^2/NDF: 32.1/24

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.150+/-0.090 χ^2/NDF: 29.7/29

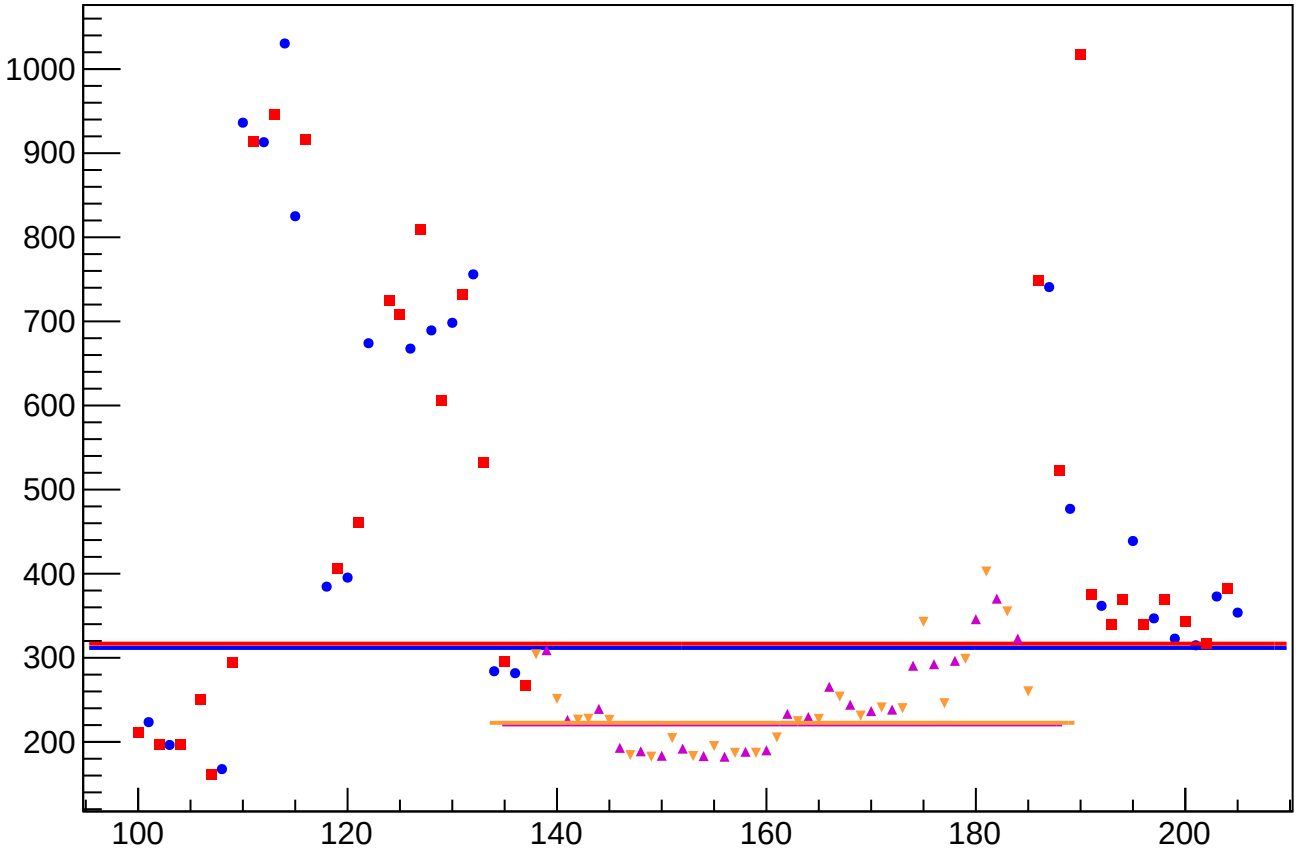
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.163+/-0.045 χ^2/NDF: 64.4/49

All: 0.111+/-0.032 χ^2/NDF: 127.9/102

- sign 0.058+/-0.046 χ^2/NDF: 60.9/52

diff_targ_thetaX_rms vs Slug



Right In: 311.757+/-0.064 χ^2/NDF: 4119495.9/24

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 316.823+/-0.063 χ^2/NDF: 4698200.7/29

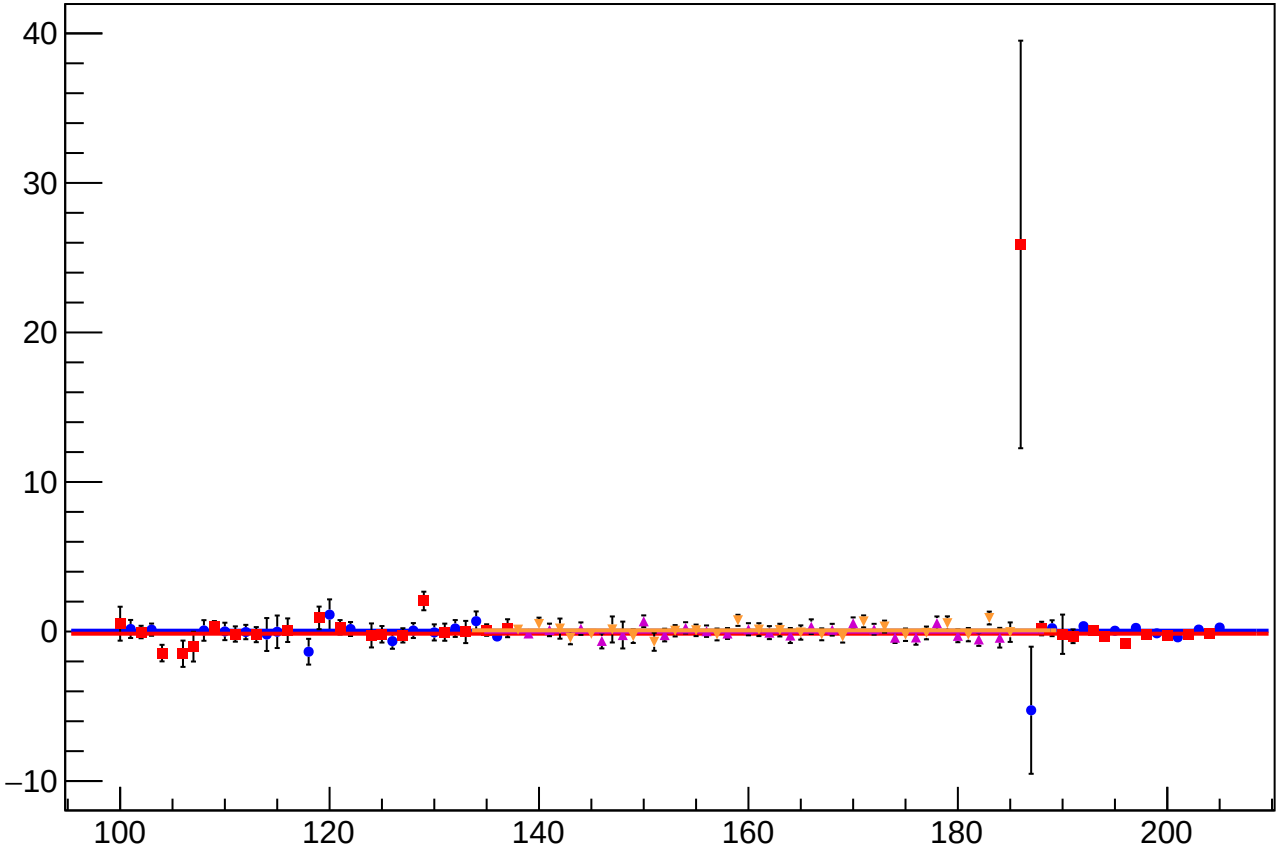
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 244.584+/-0.032 χ^2/NDF: 7015106.9/49

All: 245.114+/-0.023 χ^2/NDF: 14886586.8/10

- sign 245.657+/-0.032 χ^2/NDF: 7870920.0/52

diff_targ_thetaY_mean vs Slug



Right In: 0.055+/-0.078 χ^2/NDF: 15.7/24

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.146+/-0.078 χ^2/NDF: 37.9/29

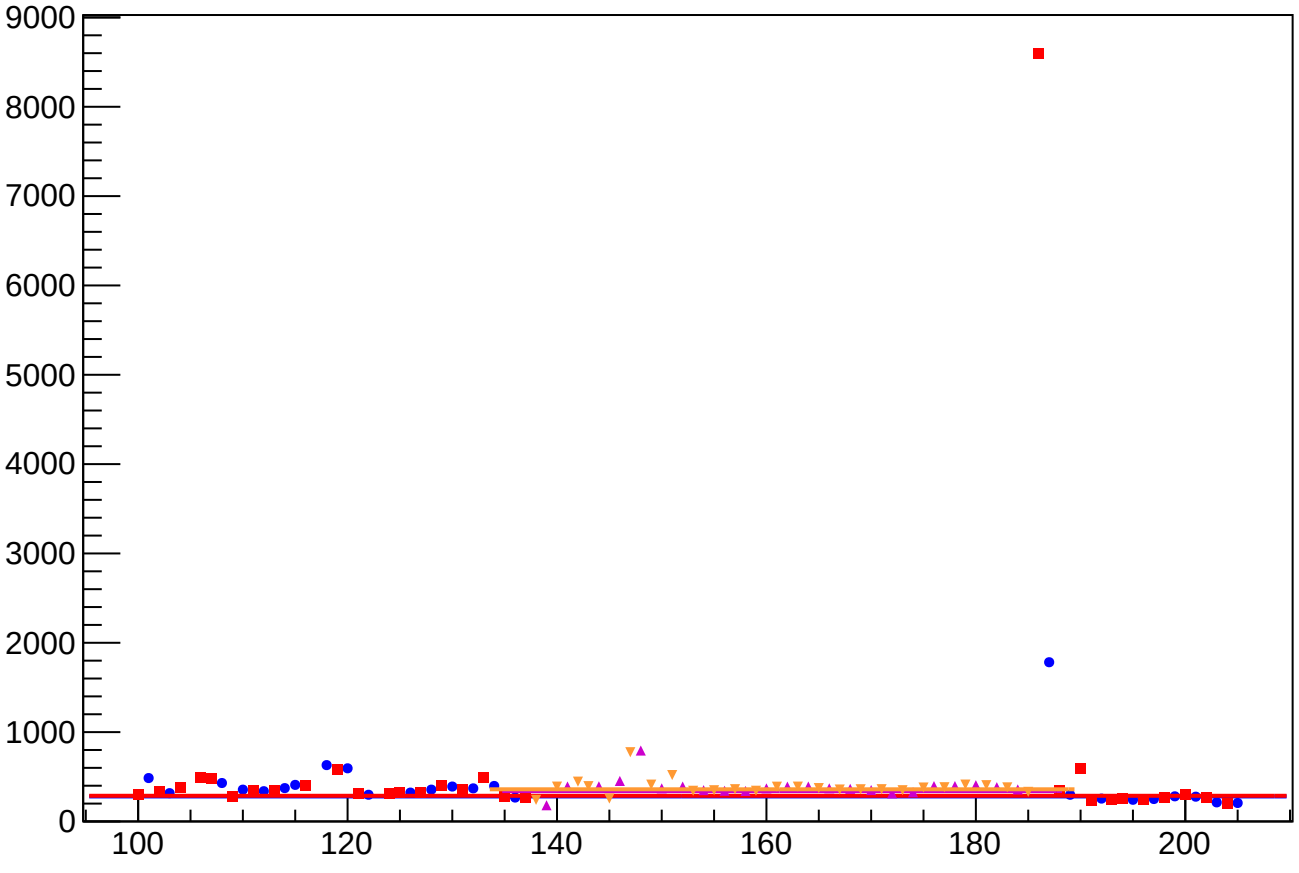
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.067+/-0.057 χ^2/NDF: 34.7/49

All: -0.008+/-0.040 χ^2/NDF: 92.7/102

- sign -0.081+/-0.057 χ^2/NDF: 54.6/52

diff_targ_thetaY_rms vs Slug



Right In: 279.891+/-0.055 χ^2/NDF: 1959751.2/24

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

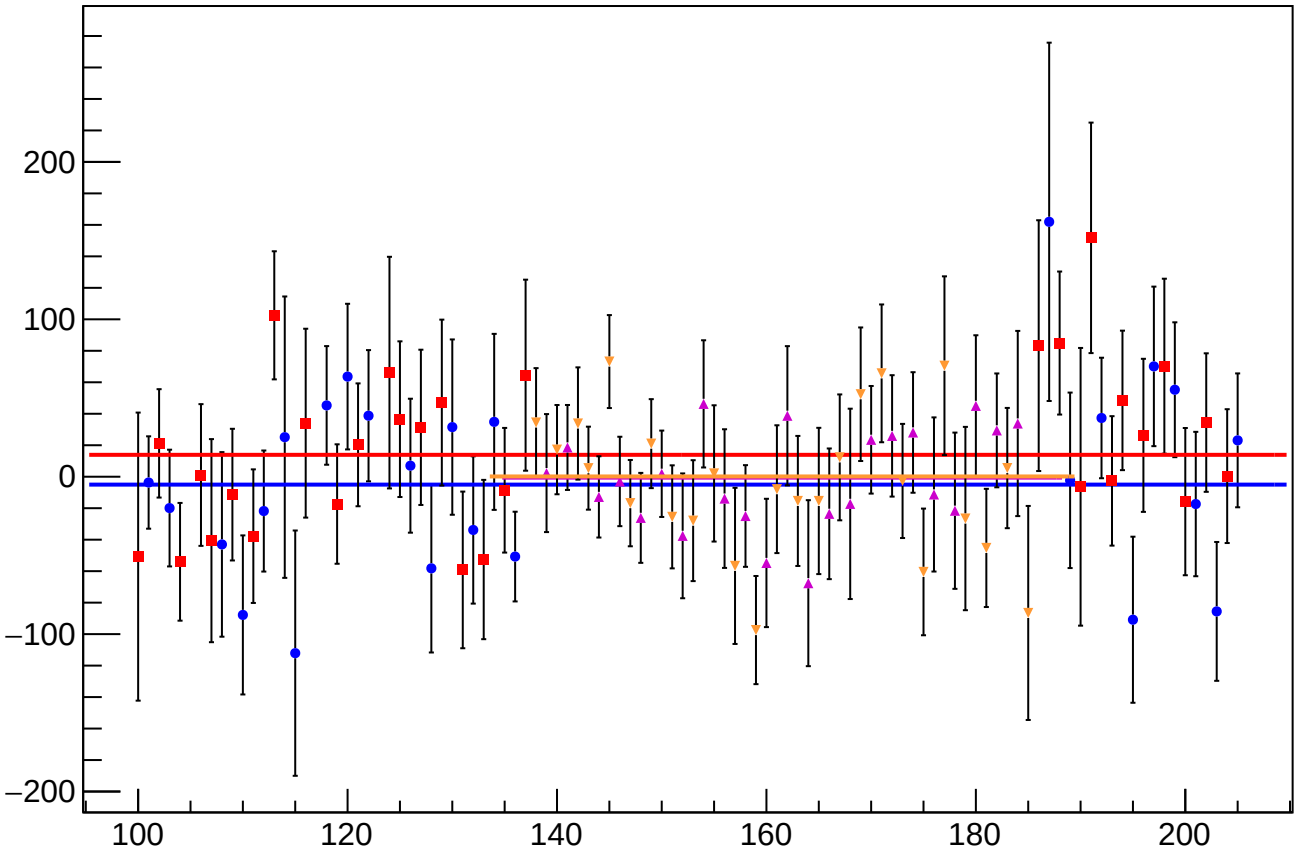
Right Out: 287.353+/-0.055 χ^2/NDF: 2267956.0/29

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 317.006+/-0.041 χ^2/NDF: 4269331.3/49

All: 314.495+/-0.029 χ^2/NDF: 9199625.2/102

- sign 312.043+/-0.040 χ^2/NDF: 4922721.8/52



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

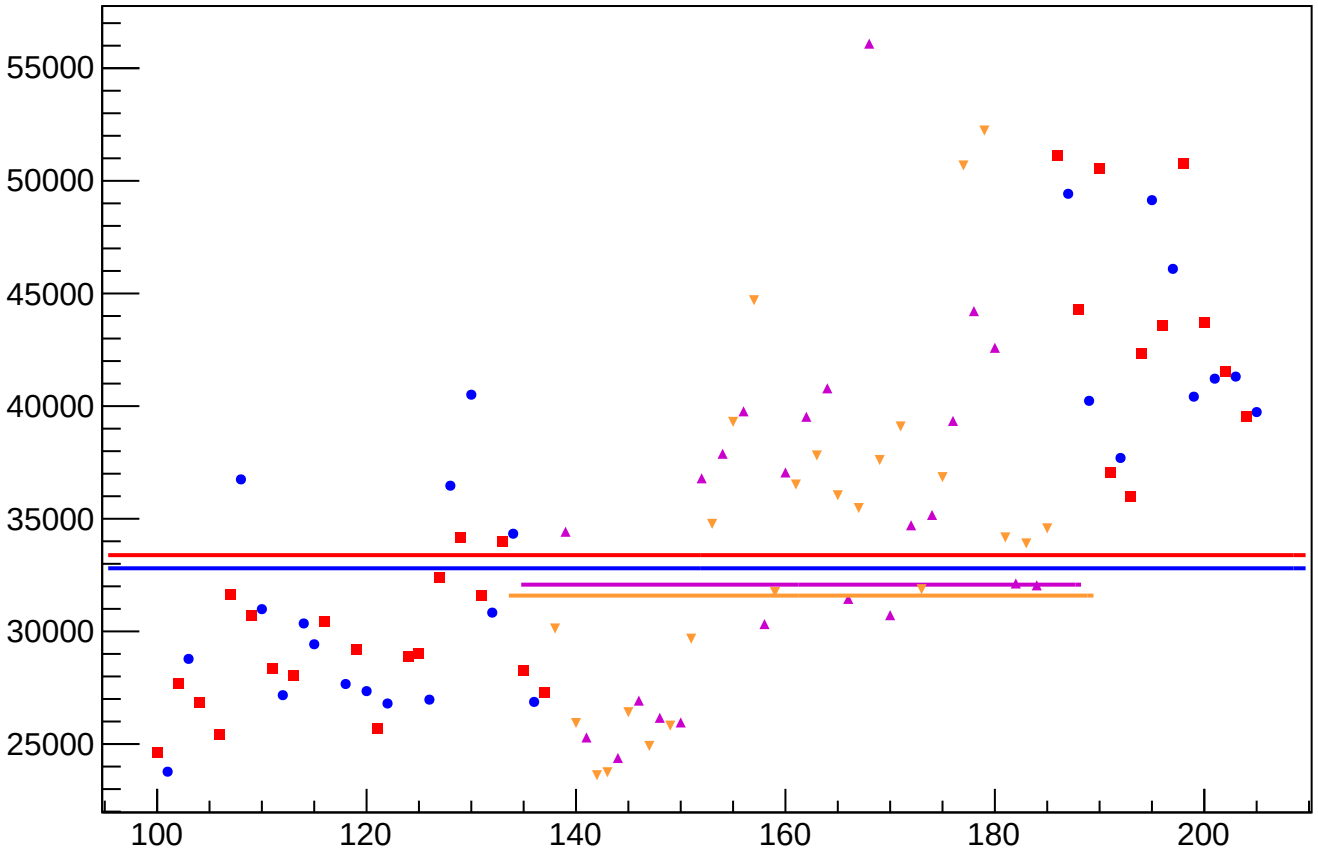
Right Out: 13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.924+/-5.696 χ^2/NDF: 60.9/49

All: 1.868+/-4.049 χ^2/NDF: 103.7/102

- sign 5.739+/-5.756 χ^2/NDF: 41.9/52



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

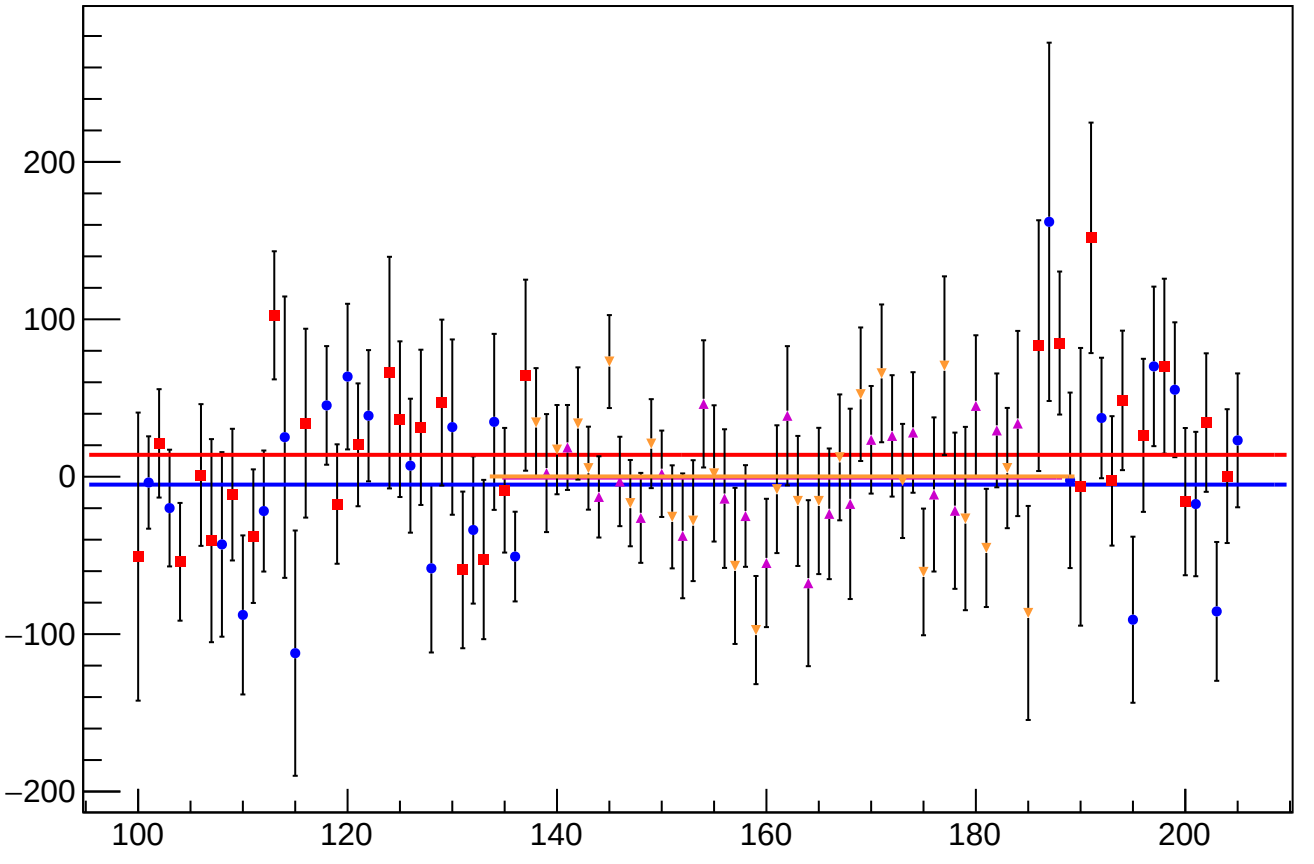
Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32078.593+/-4.028 χ^2/NDF: 2867268.2/49

All: 32359.710+/-2.863 χ^2/NDF: 5689452.6/1

- sign 32646.758+/-4.070 χ^2/NDF: 2812339.3/52



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

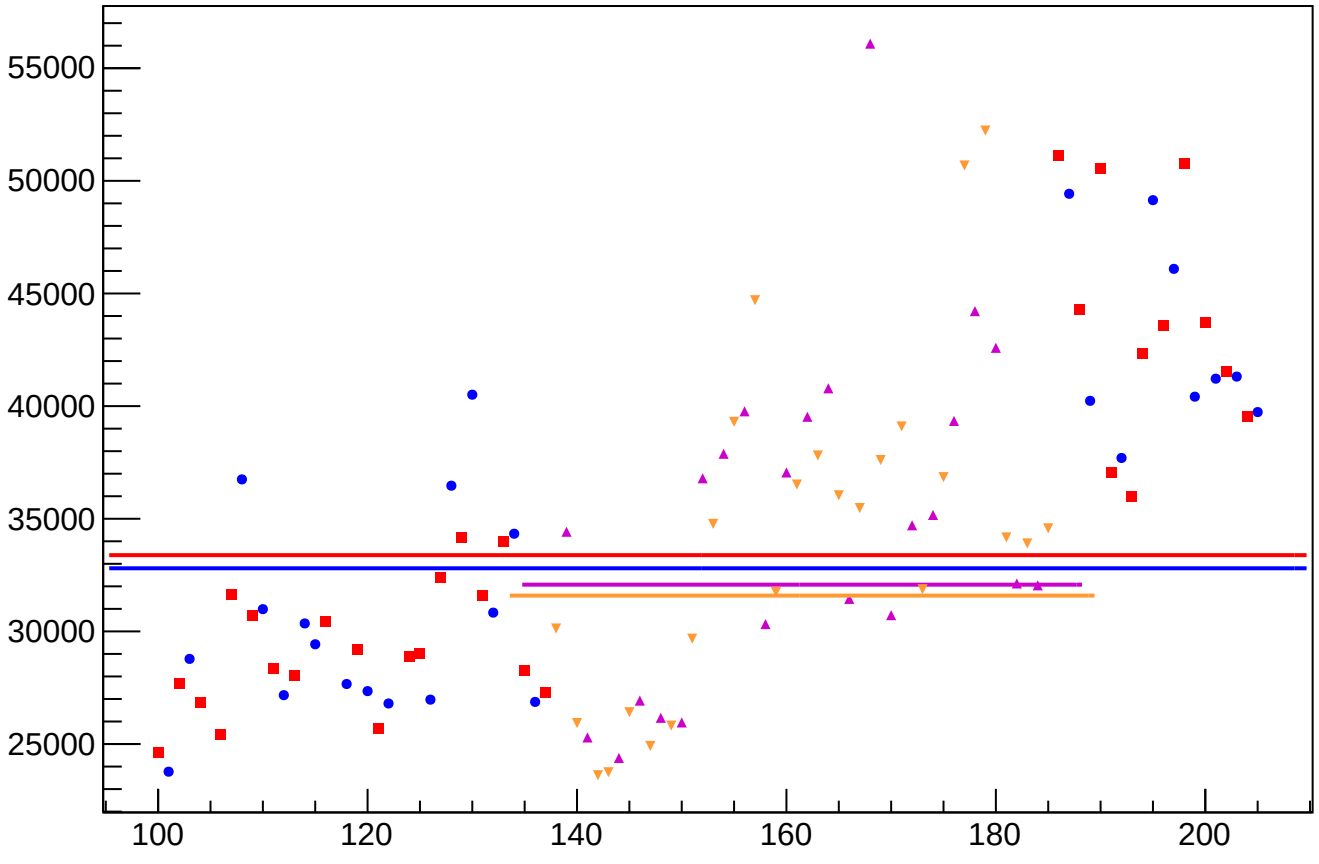
Right Out: 13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.924+/-5.696 χ^2/NDF: 60.9/49

All: 1.868+/-4.049 χ^2/NDF: 103.7/102

- sign 5.739+/-5.756 χ^2/NDF: 41.9/52



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

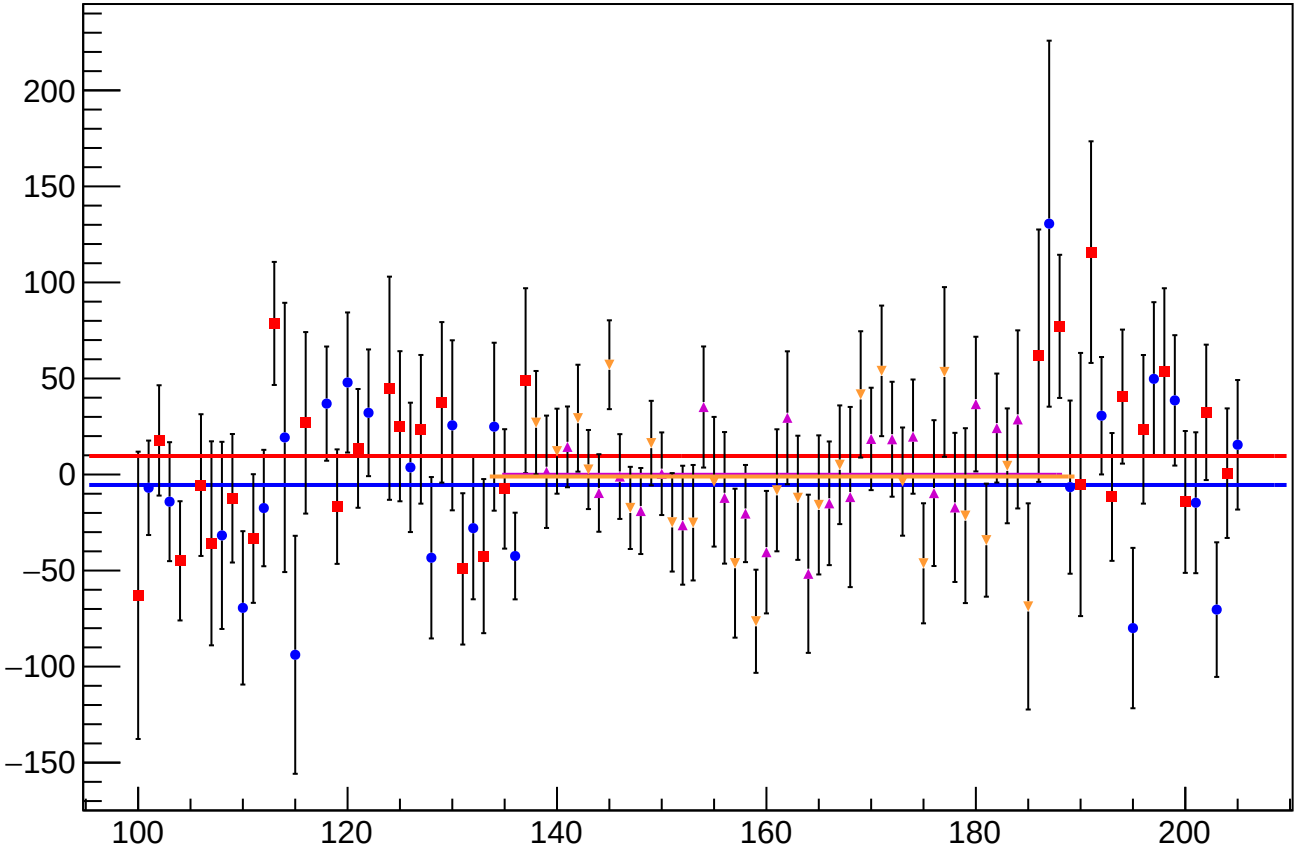
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32078.593+/-4.028 χ^2/NDF: 2867268.2/49

All: 32359.710+/-2.863 χ^2/NDF: 5689452.6/1

- sign 32646.758+/-4.070 χ^2/NDF: 2812339.3/52

diff_bpmE_11X12X_mean vs Slug



Right In: -5.446+/-7.169 χ^2/NDF: 29.7/24

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

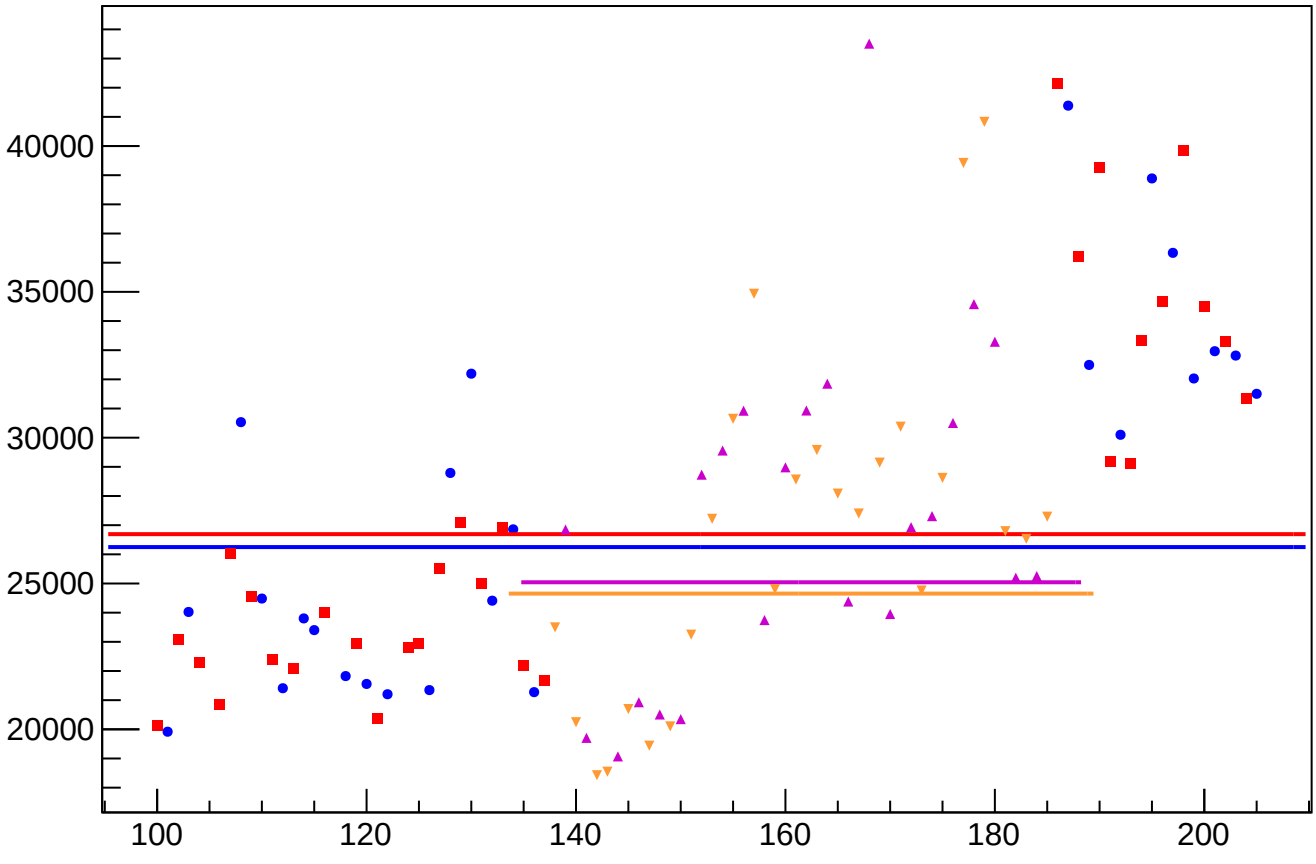
Right Out: 9.642+/-6.963 χ^2/NDF: 29.2/29

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.768+/-4.488 χ^2/NDF: 62.3/49

All: 0.584+/-3.191 χ^2/NDF: 105.9/102

- sign 4.012+/-4.539 χ^2/NDF: 42.5/52



Right In: 26249.065+/-5.069 χ^2/NDF: 1208097.6/24

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 26692.203+/-4.924 χ^2/NDF: 1299473.6/29

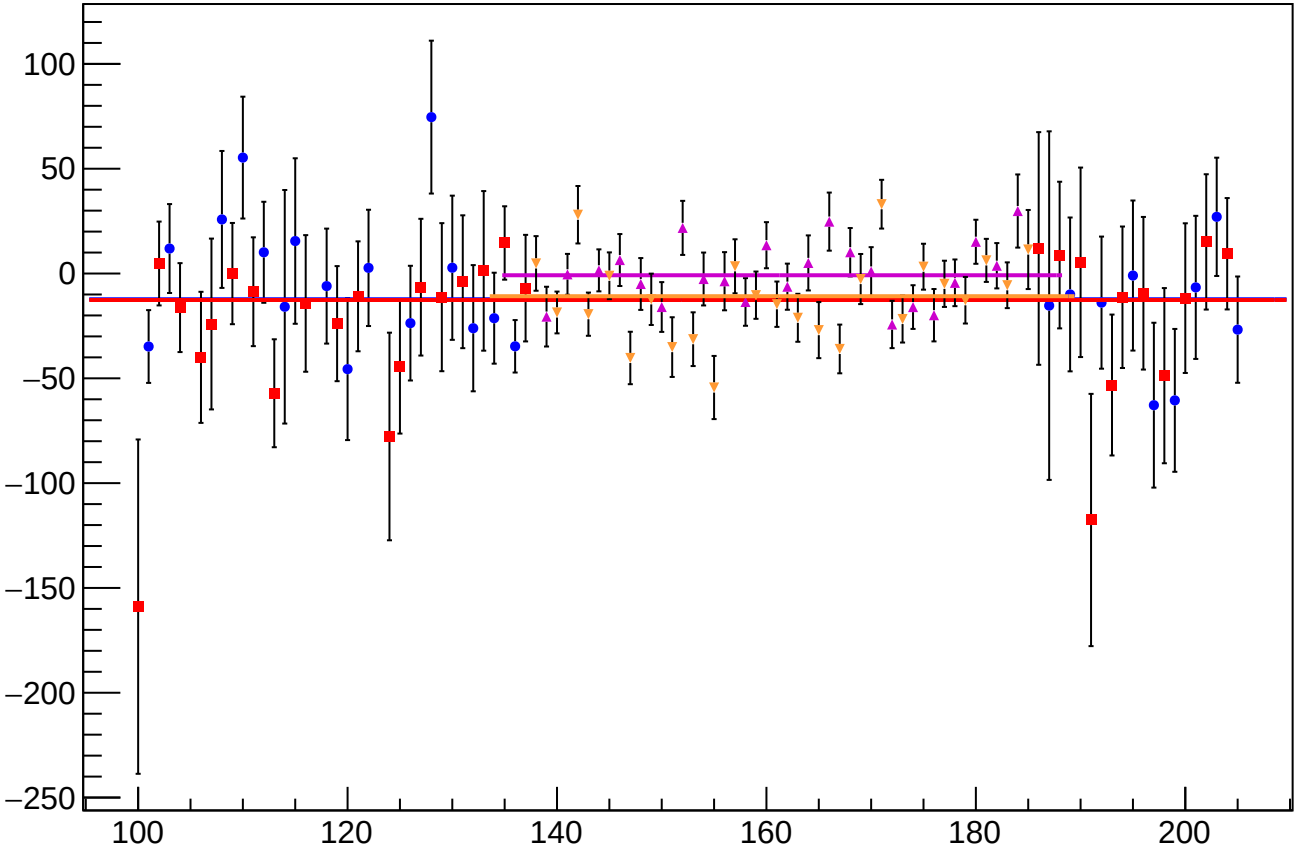
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25279.007+/-3.173 χ^2/NDF: 2851018.1/49

All: 25508.421+/-2.256 χ^2/NDF: 5667310.4/1

- sign 25743.085+/-3.209 χ^2/NDF: 2805719.2/52

diff_bpm4aesumX_mean vs Slug



Right In: -12.289+/-5.403 χ^2/NDF: 28.1/24

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

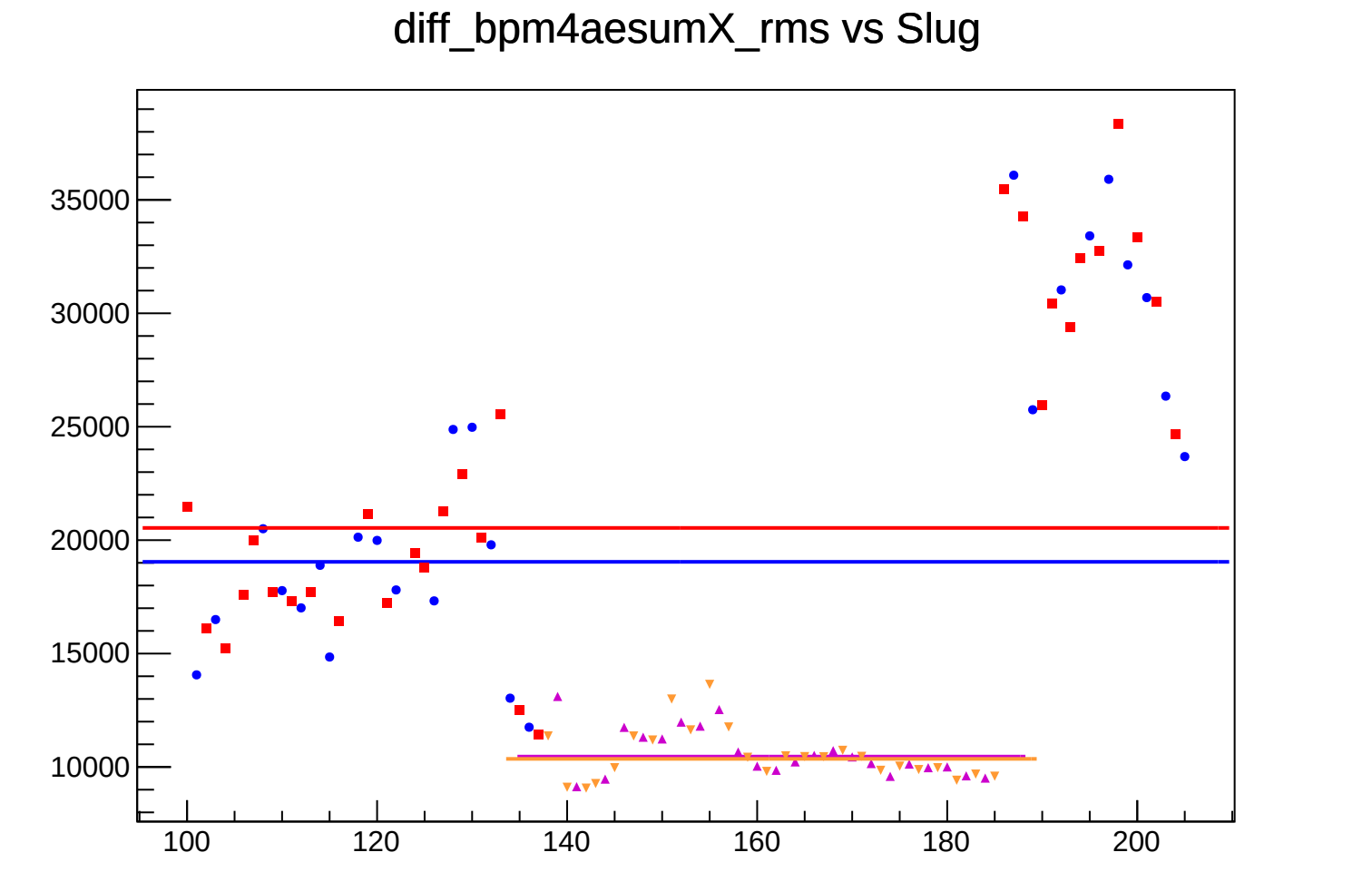
Right Out: -12.629+/-5.529 χ^2/NDF: 21.3/29

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.059+/-2.171 χ^2/NDF: 89.5/49

All: -7.056+/-1.561 χ^2/NDF: 151.0/102

- sign -2.773+/-2.245 χ^2/NDF: 54.5/52



Right In: 19043.999+/-3.821 χ^2/NDF: 3058398.9/24

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20538.963+/-3.910 χ^2/NDF: 3126938.4/29

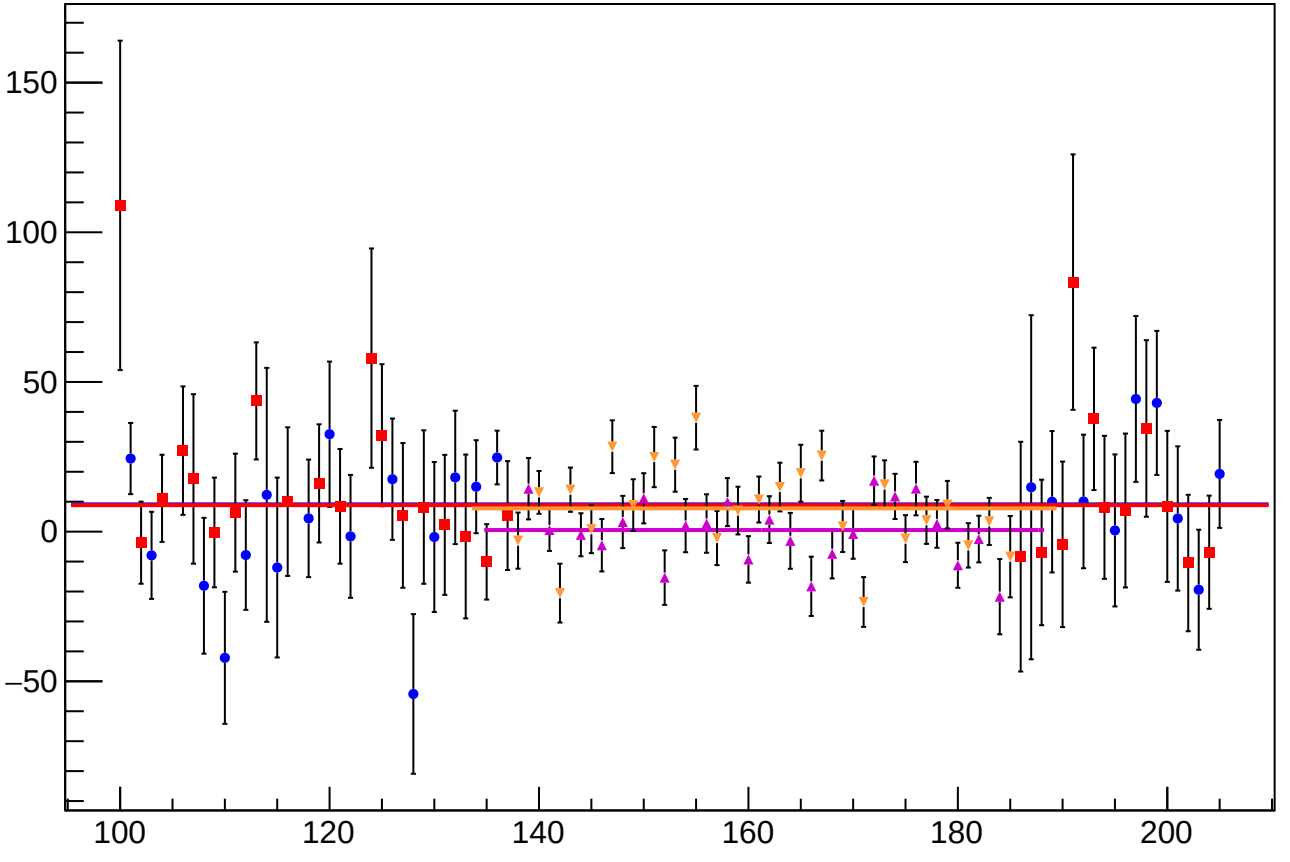
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11760.025+/-1.535 χ^2/NDF: 7755097.2/49

All: 11934.589+/-1.104 χ^2/NDF: 16774495.7

- sign 12121.362+/-1.588 χ^2/NDF: 8992624.9/52

diff_bpm4aediffX_mean vs Slug



Right In: 9.101+/-3.861 χ^2/NDF: 27.9/24

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 8.846+/-3.958 χ^2/NDF: 21.4/29

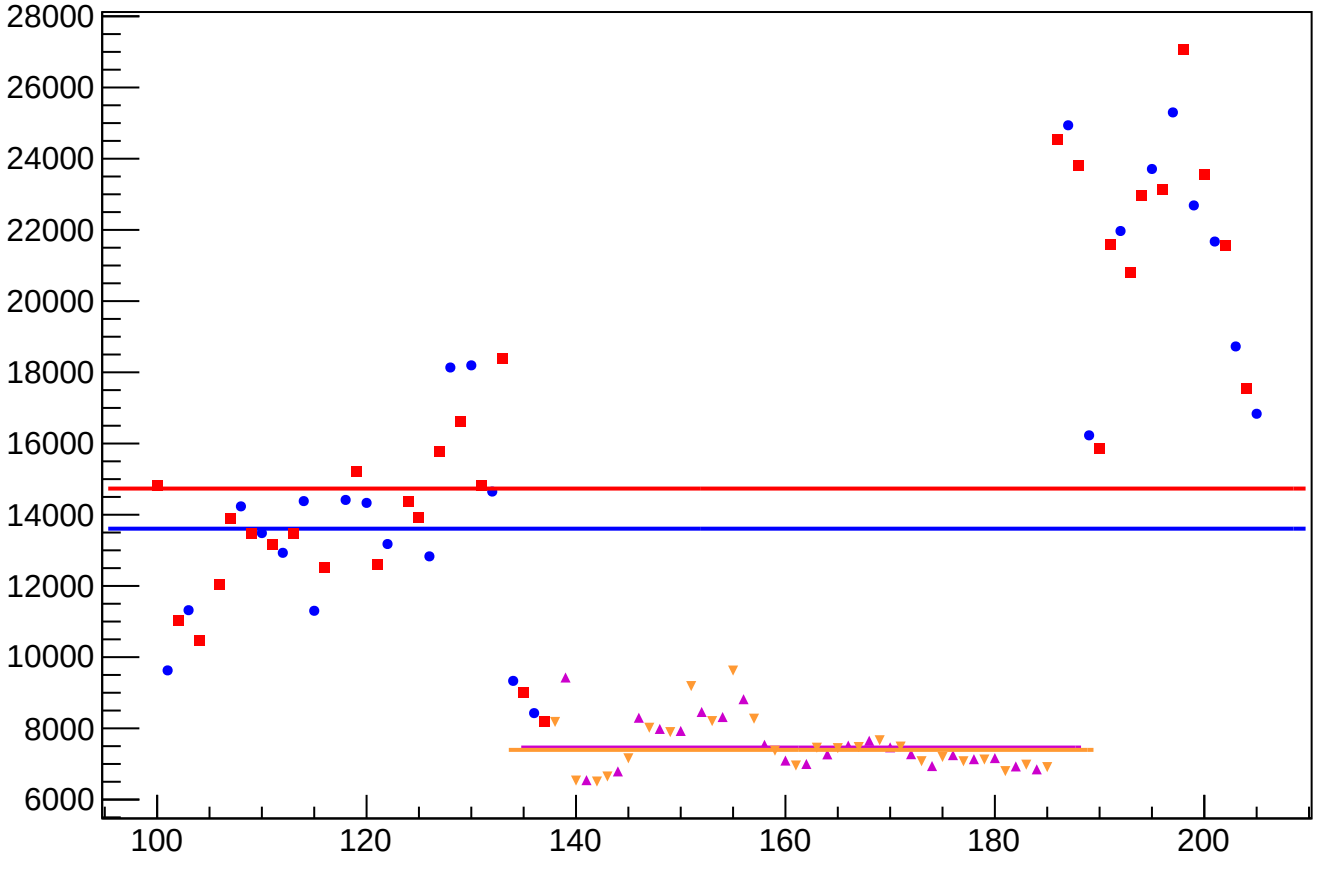
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.979+/-1.549 χ^2/NDF: 89.0/49

All: 5.038+/-1.114 χ^2/NDF: 151.0/102

- sign 1.894+/-1.602 χ^2/NDF: 54.5/52

diff_bpm4aediffX_rms vs Slug



Right In: 13608.451+/-2.730 χ^2/NDF: 3005538.6/24

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14735.047+/-2.799 χ^2/NDF: 3014262.7/29

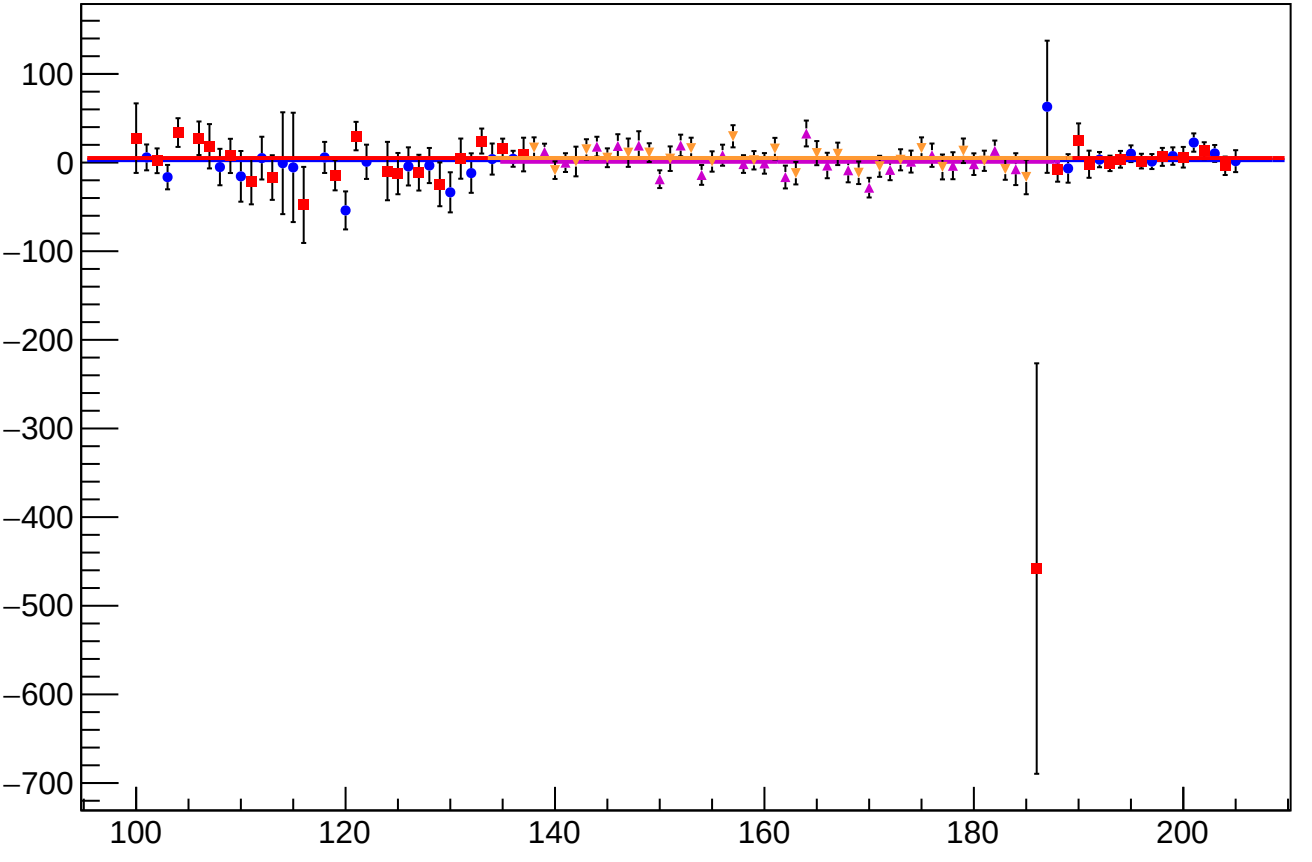
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8396.180+/-1.096 χ^2/NDF: 7675226.0/49

All: 8519.970+/-0.788 χ^2/NDF: 16647579.2/1

- sign 8652.335+/-1.133 χ^2/NDF: 8945932.4/52

diff_bpm4aesumY_mean vs Slug



Right In: 2.733+/-2.793 χ^2/NDF: 19.0/24

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 5.126+/-2.668 χ^2/NDF: 26.1/29

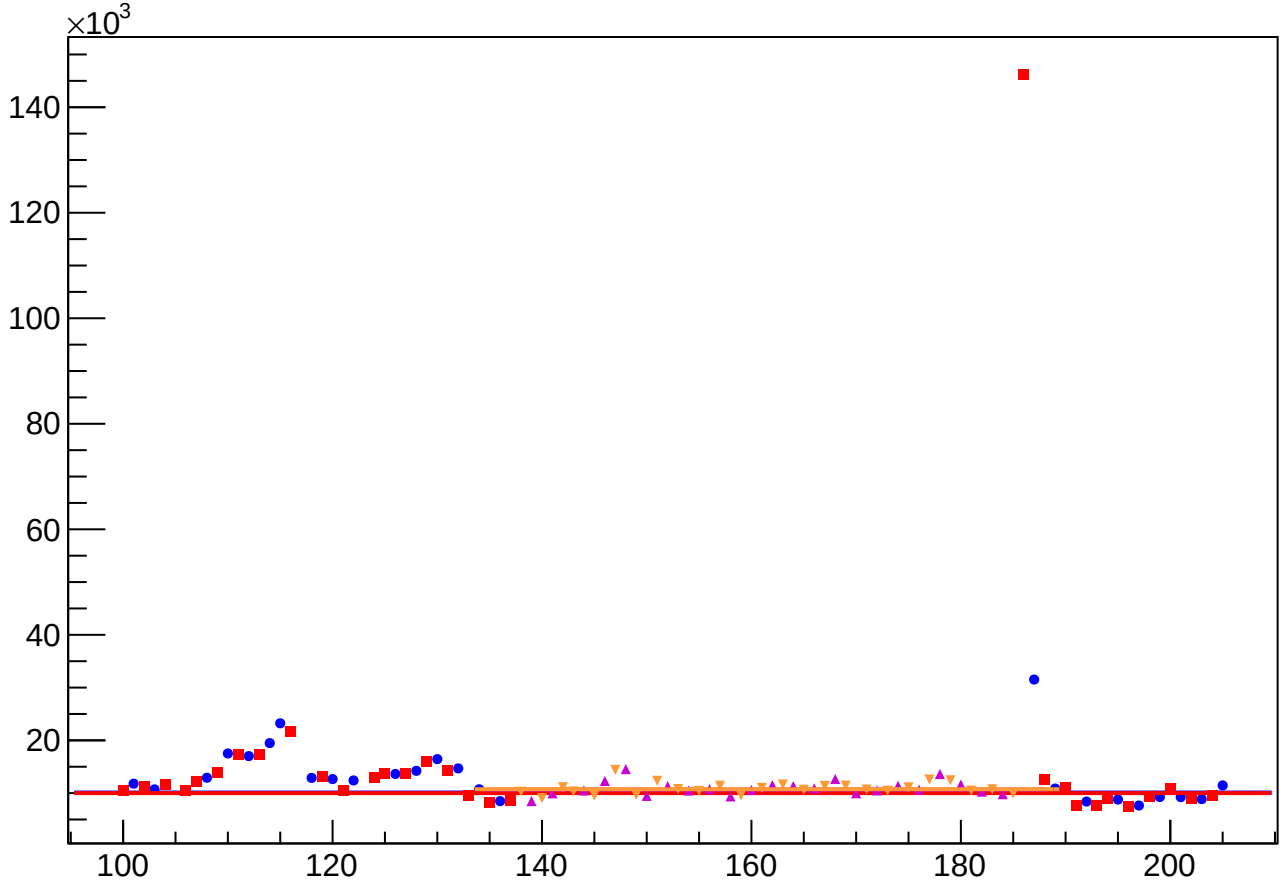
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.110+/-1.845 χ^2/NDF: 37.8/49

All: 3.494+/-1.300 χ^2/NDF: 97.2/102

- sign 2.886+/-1.832 χ^2/NDF: 59.2/52

diff_bpm4aesumY_rms vs Slug



Right In: 10106.831+/-1.975 χ^2/NDF: 1609392.1/24

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10001.743+/-1.887 χ^2/NDF: 2290958.4/29

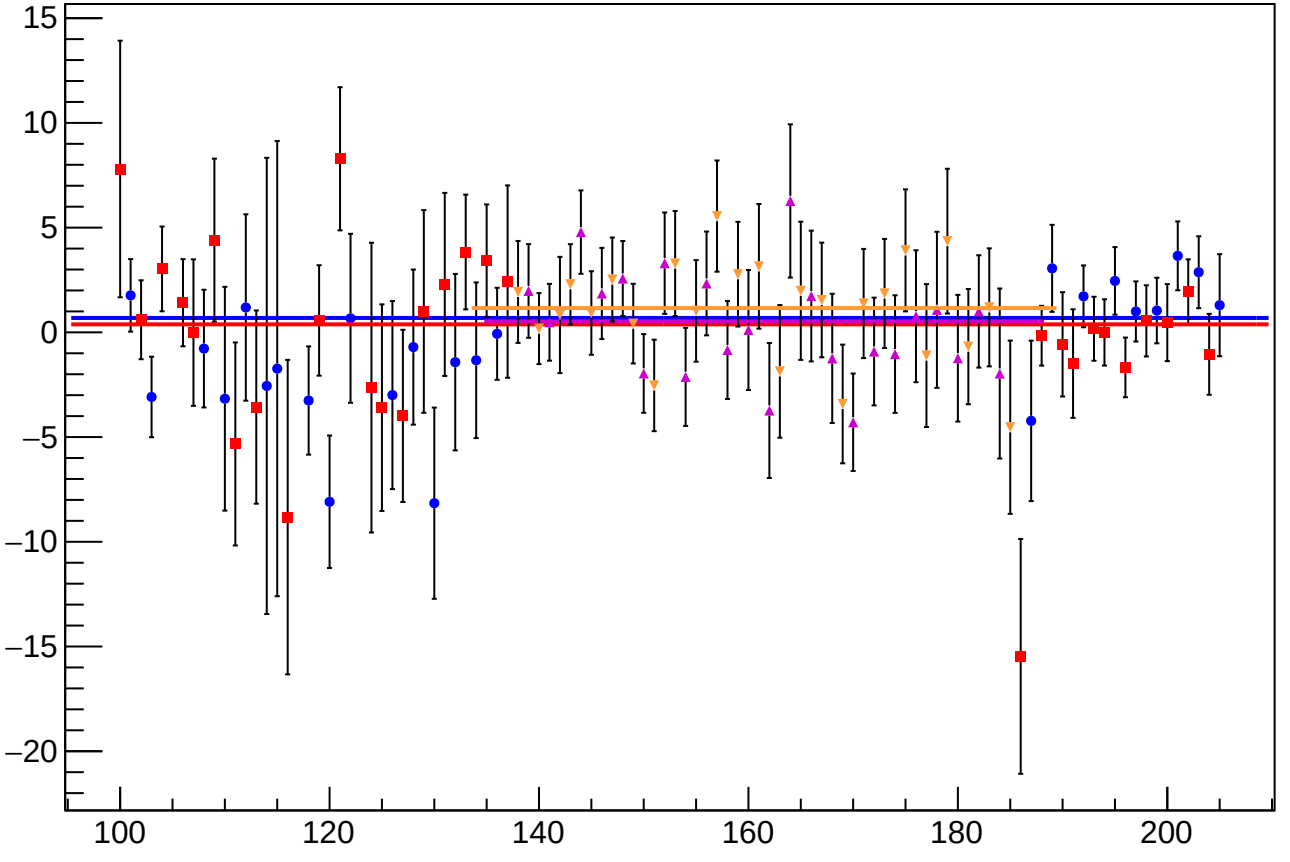
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10459.982+/-1.305 χ^2/NDF: 2034442.6/49

All: 10409.080+/-0.919 χ^2/NDF: 4896763.6/1

- sign 10358.943+/-1.295 χ^2/NDF: 2859300.8/52

diff_bpm4aediffY_mean vs Slug



Right In: 0.687+/-0.468 χ^2/NDF: 30.1/24

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.382+/-0.435 χ^2/NDF: 31.3/29

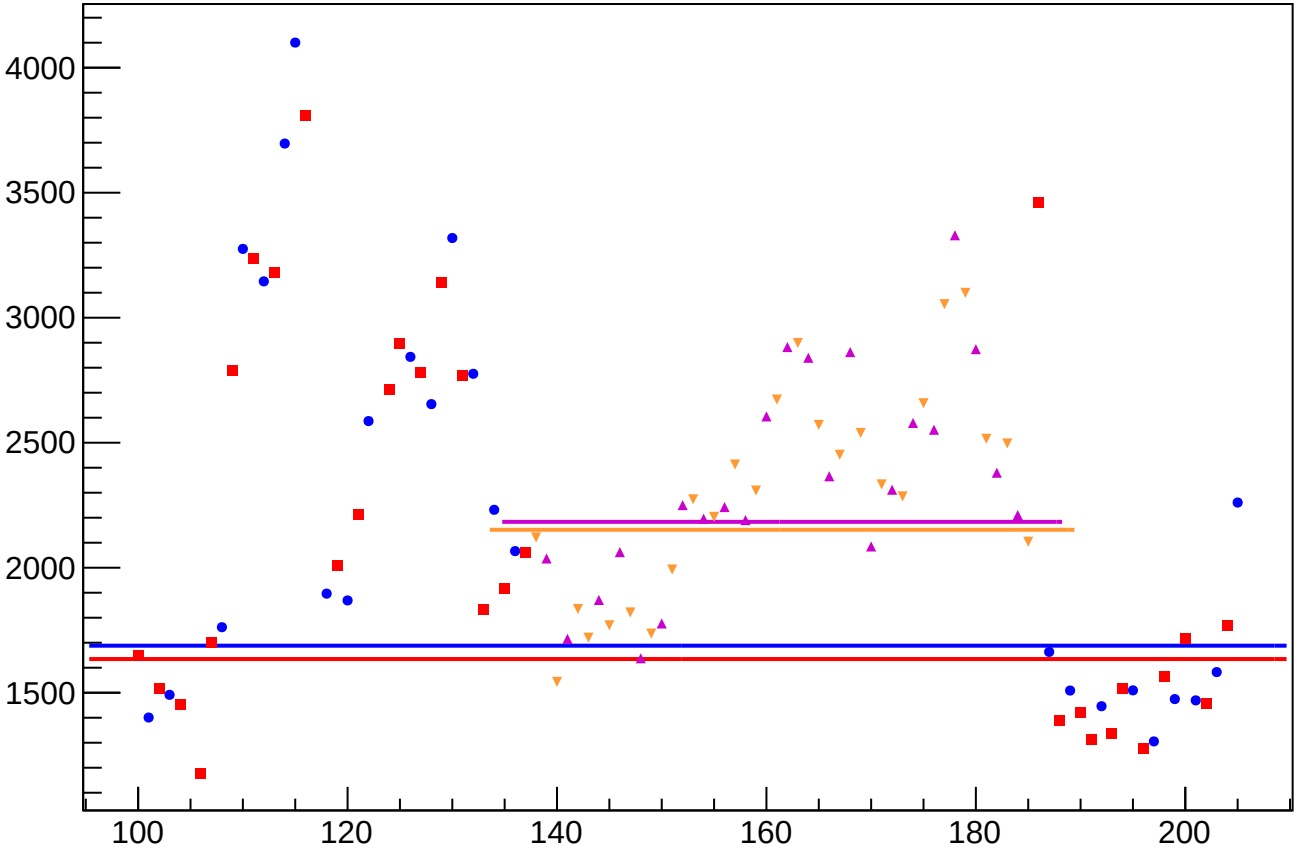
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.907+/-0.342 χ^2/NDF: 47.4/49

All: 0.667+/-0.239 χ^2/NDF: 102.0/102

- sign 0.439+/-0.334 χ^2/NDF: 53.6/52

diff_bpm4aediffY_rms vs Slug



Right In: 1688.182+/-0.331 χ^2/NDF: 1939478.0/24

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

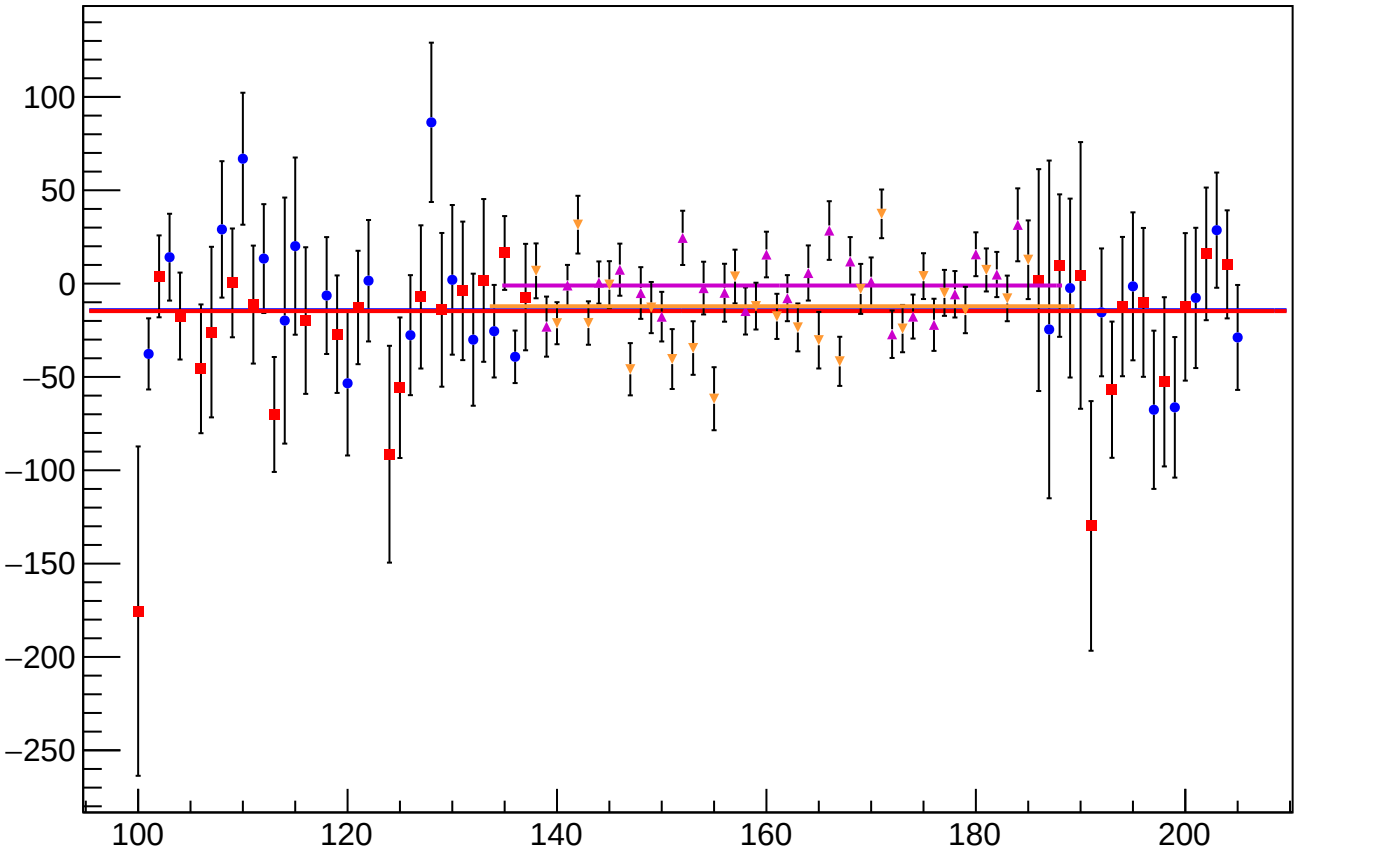
Right Out: 1634.748+/-0.307 χ^2/NDF: 2291849.5/29

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1904.596+/-0.242 χ^2/NDF: 4205140.7/49

All: 1882.082+/-0.169 χ^2/NDF: 8987235.0/10

- sign 1860.632+/-0.236 χ^2/NDF: 4765141.6/52



Right In: -14.255+/-6.133 χ^2/NDF: 27.8/24

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

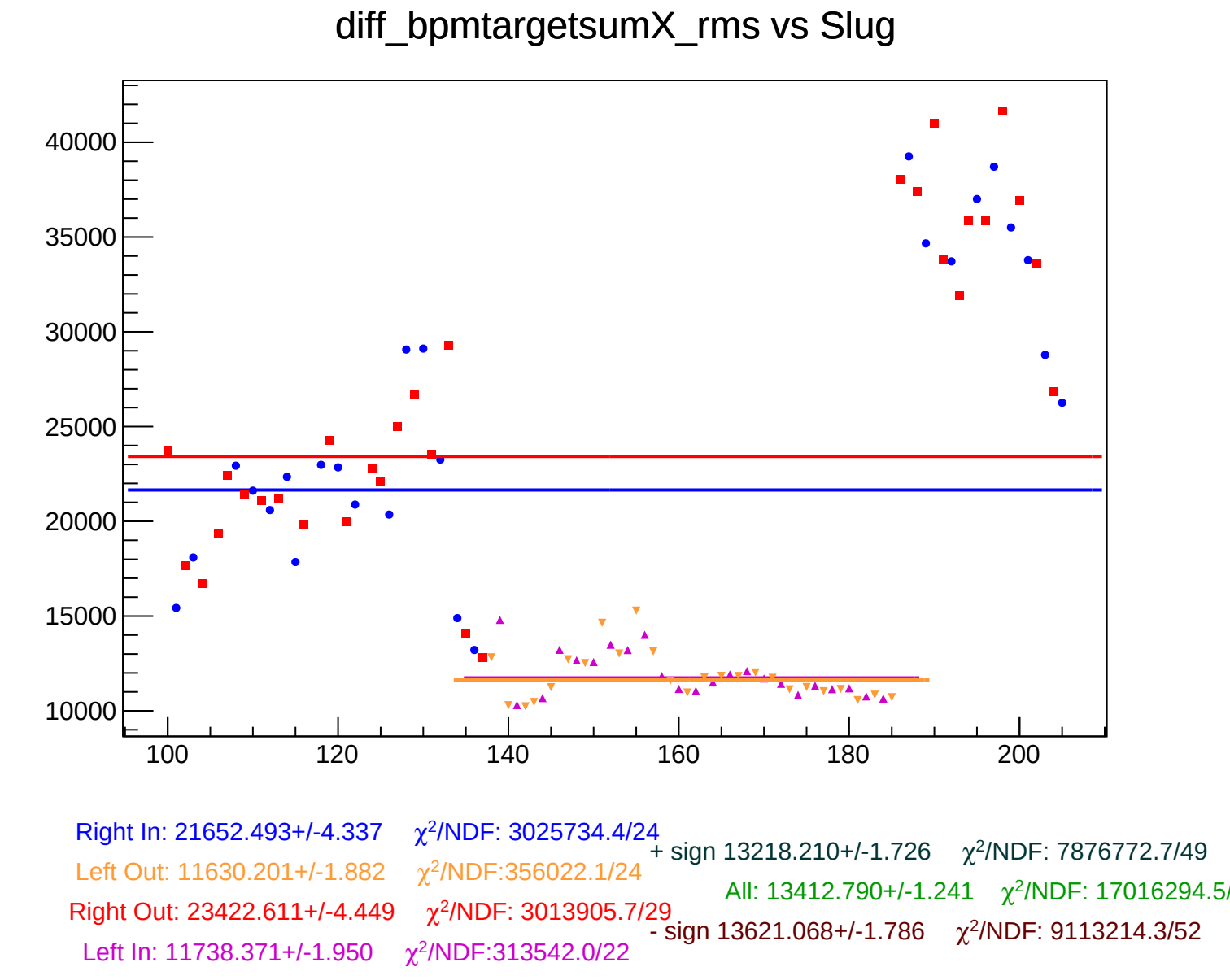
Right Out: -14.733+/-6.292 χ^2/NDF: 21.4/29

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

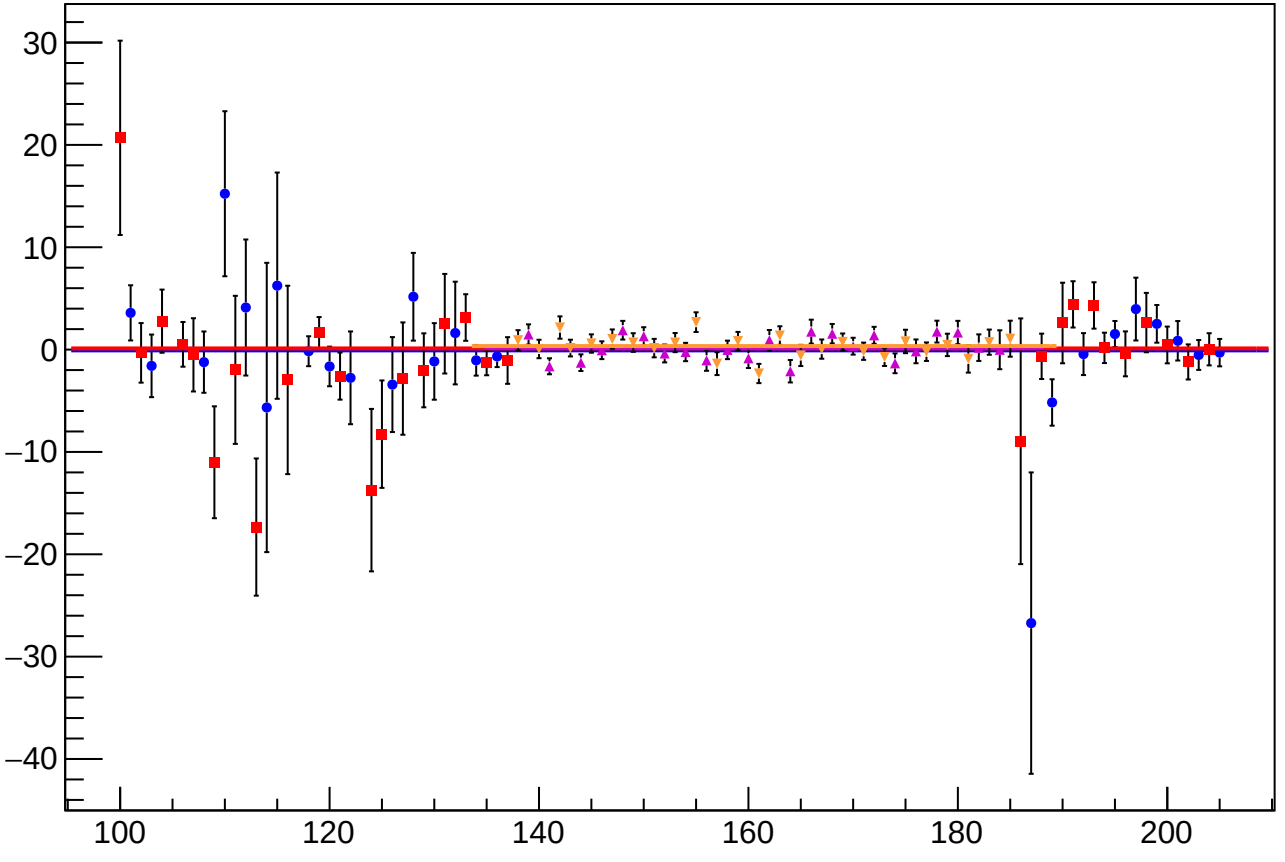
+ sign -12.471+/-2.441 χ^2/NDF: 90.5/49

All: -8.009+/-1.755 χ^2/NDF: 151.6/102

- sign -3.233+/-2.526 χ^2/NDF: 54.2/52


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 21652.493+/-4.337 χ²/NDF: 3025734.4/24
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23422.611+/-4.449 χ²/NDF: 3013905.7/29
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13218.210+/-1.726 χ²/NDF: 7876772.7/49
All: 13412.790+/-1.241 χ²/NDF: 17016294.5/
- sign 13621.068+/-1.786 χ²/NDF: 9113214.3/52

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.074+/-0.425 χ^2/NDF: 24.7/24

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.114+/-0.448 χ^2/NDF: 38.5/29

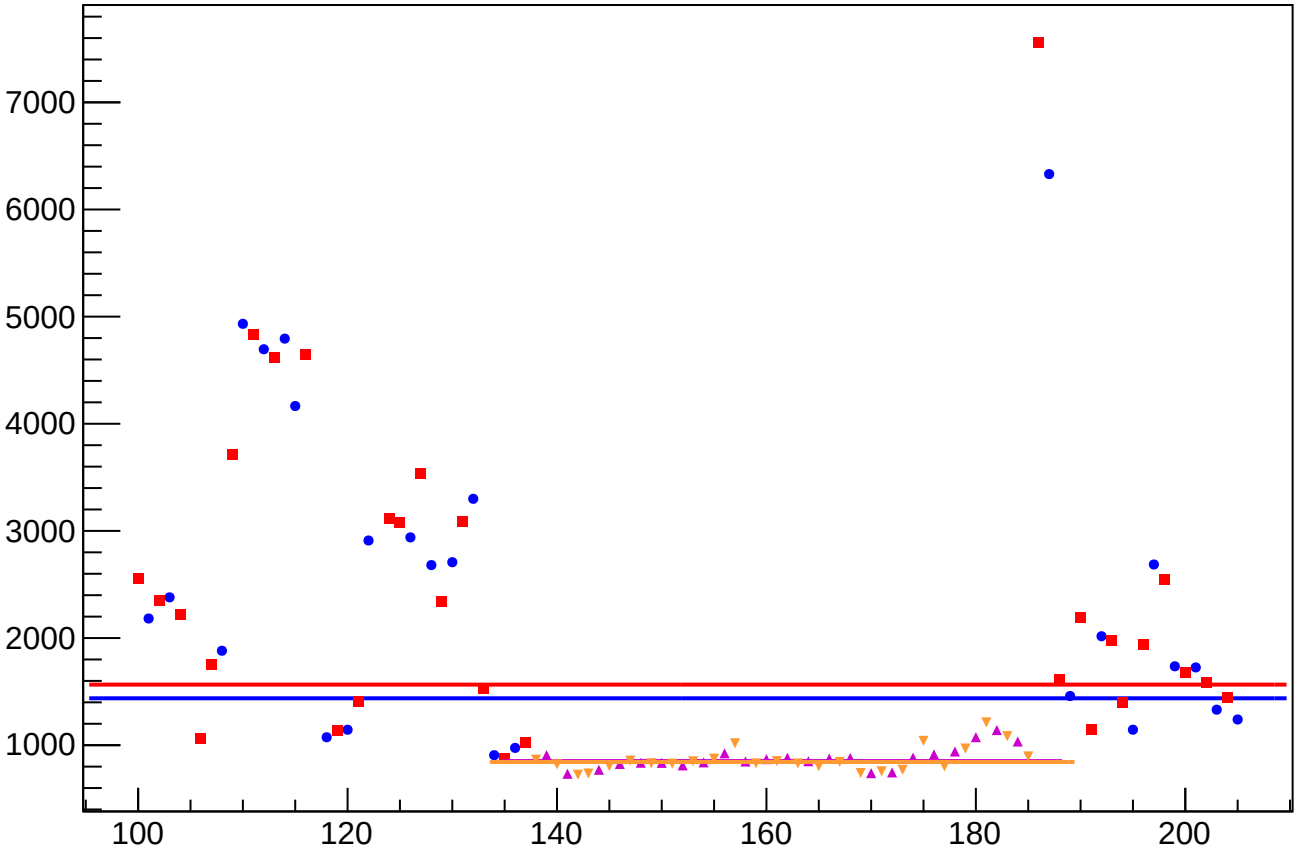
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.271+/-0.176 χ^2/NDF: 52.2/49

All: 0.216+/-0.127 χ^2/NDF: 127.3/102

- sign 0.156+/-0.183 χ^2/NDF: 74.8/52

diff_bpmtargetdiffX_rms vs Slug



Right In: 1437.746+/-0.301 χ^2/NDF: 4361378.8/24

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1565.288+/-0.317 χ^2/NDF: 4451295.9/29

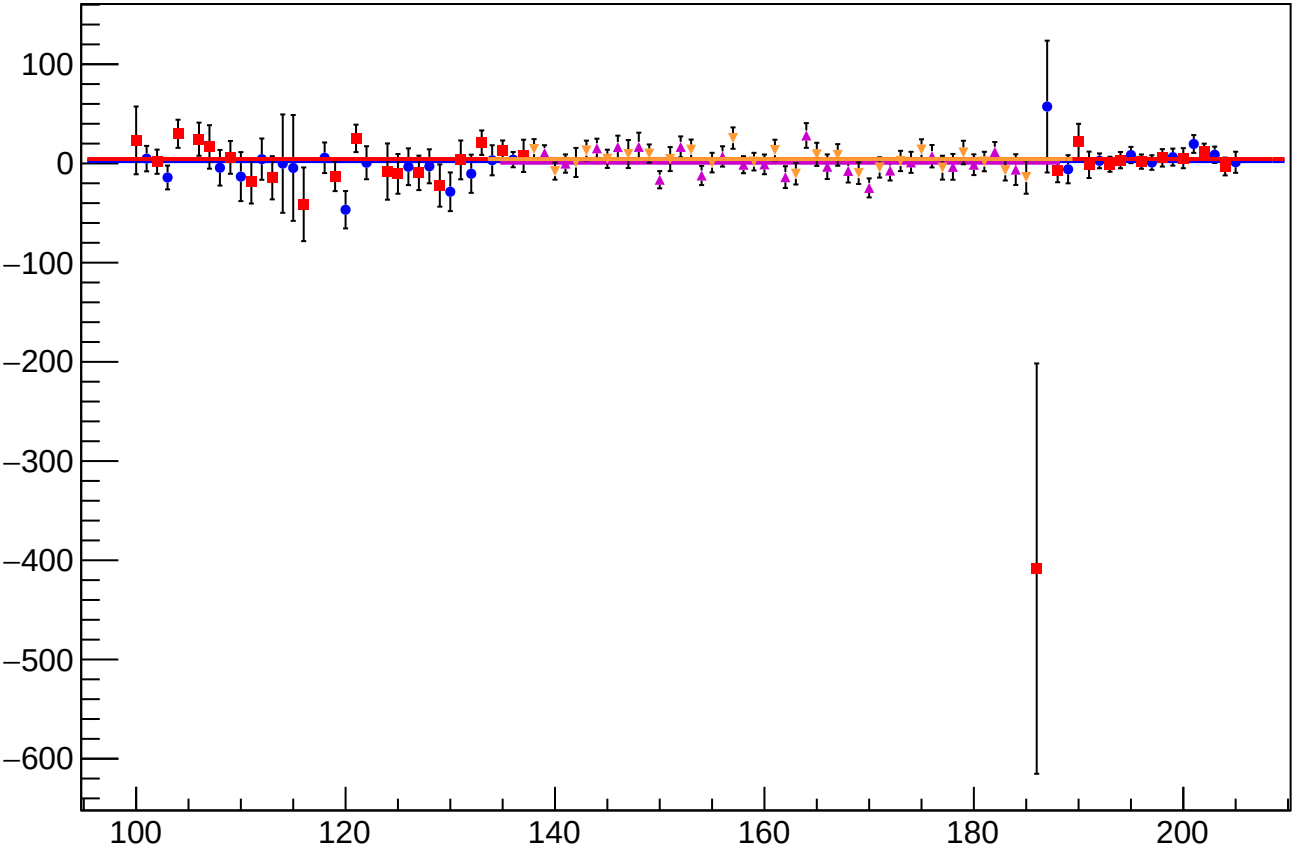
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 945.435+/-0.125 χ^2/NDF: 8102149.4/49

All: 957.837+/-0.090 χ^2/NDF: 17188096.6/10

- sign 971.235+/-0.130 χ^2/NDF: 9065363.1/52

diff_bpmtargetsumY_mean vs Slug



Right In: 2.343+/-2.423 χ^2/NDF: 18.6/24

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.463+/-2.319 χ^2/NDF: 26.0/29

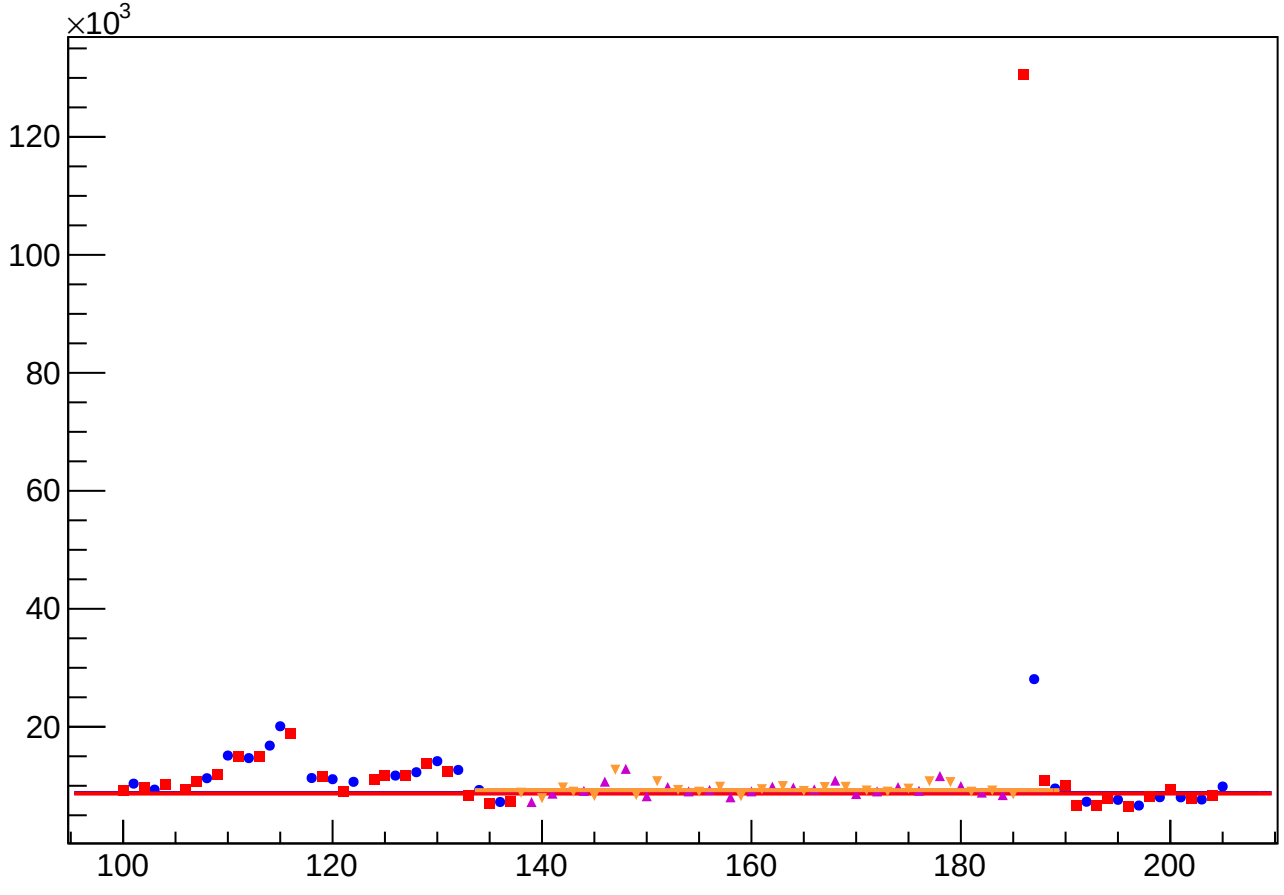
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.498+/-1.596 χ^2/NDF: 37.6/49

All: 2.983+/-1.125 χ^2/NDF: 97.2/102

- sign 2.475+/-1.585 χ^2/NDF: 59.4/52

diff_bpmtargetsumY_rms vs Slug



Right In: 8766.414+/-1.713 χ^2/NDF: 1617611.0/24

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8686.831+/-1.640 χ^2/NDF: 2297149.8/29

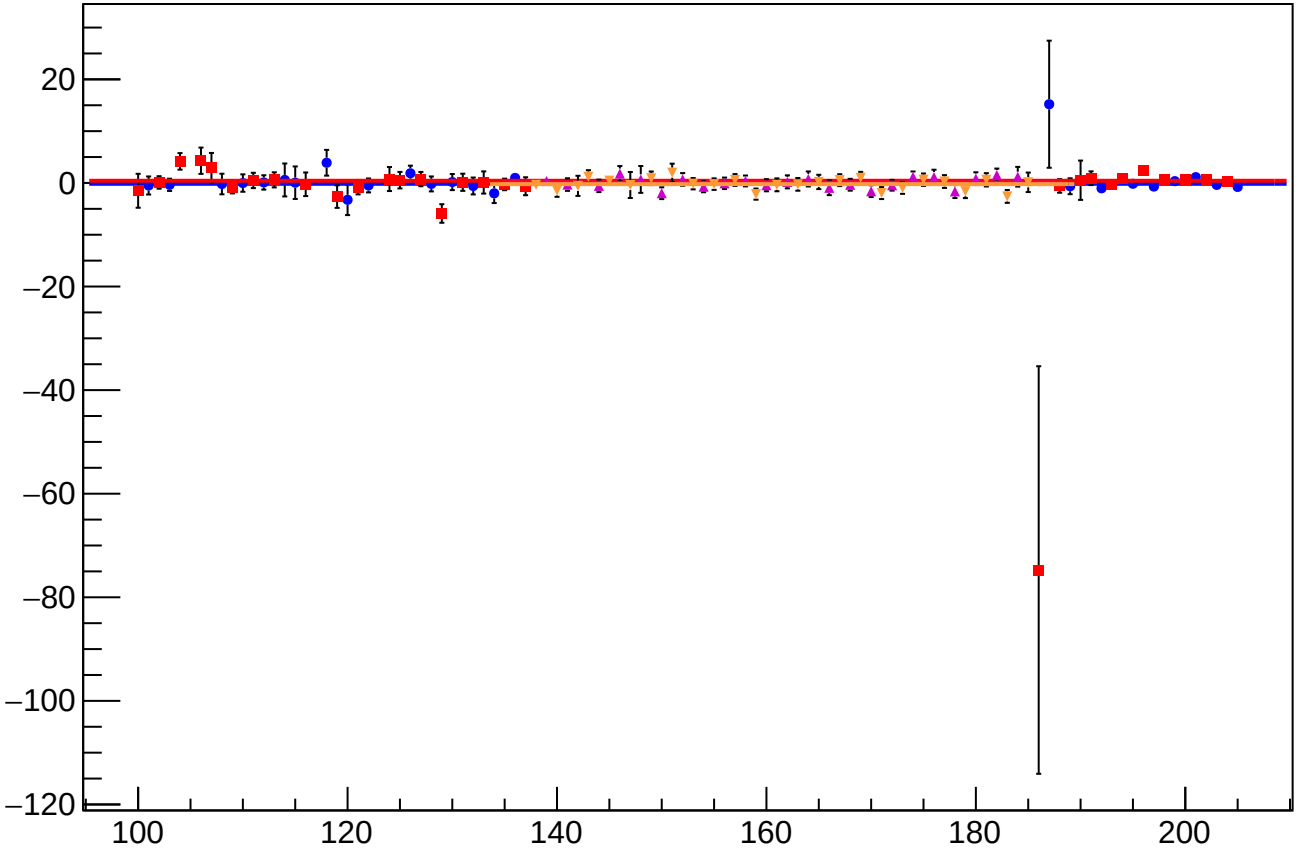
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9046.684+/-1.129 χ^2/NDF: 2030950.2/49

All: 9003.065+/-0.795 χ^2/NDF: 4898679.0/10

- sign 8960.080+/-1.120 χ^2/NDF: 2864763.6/52

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.160+/-0.226 χ^2/NDF: 15.7/24

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.420+/-0.225 χ^2/NDF: 37.9/29

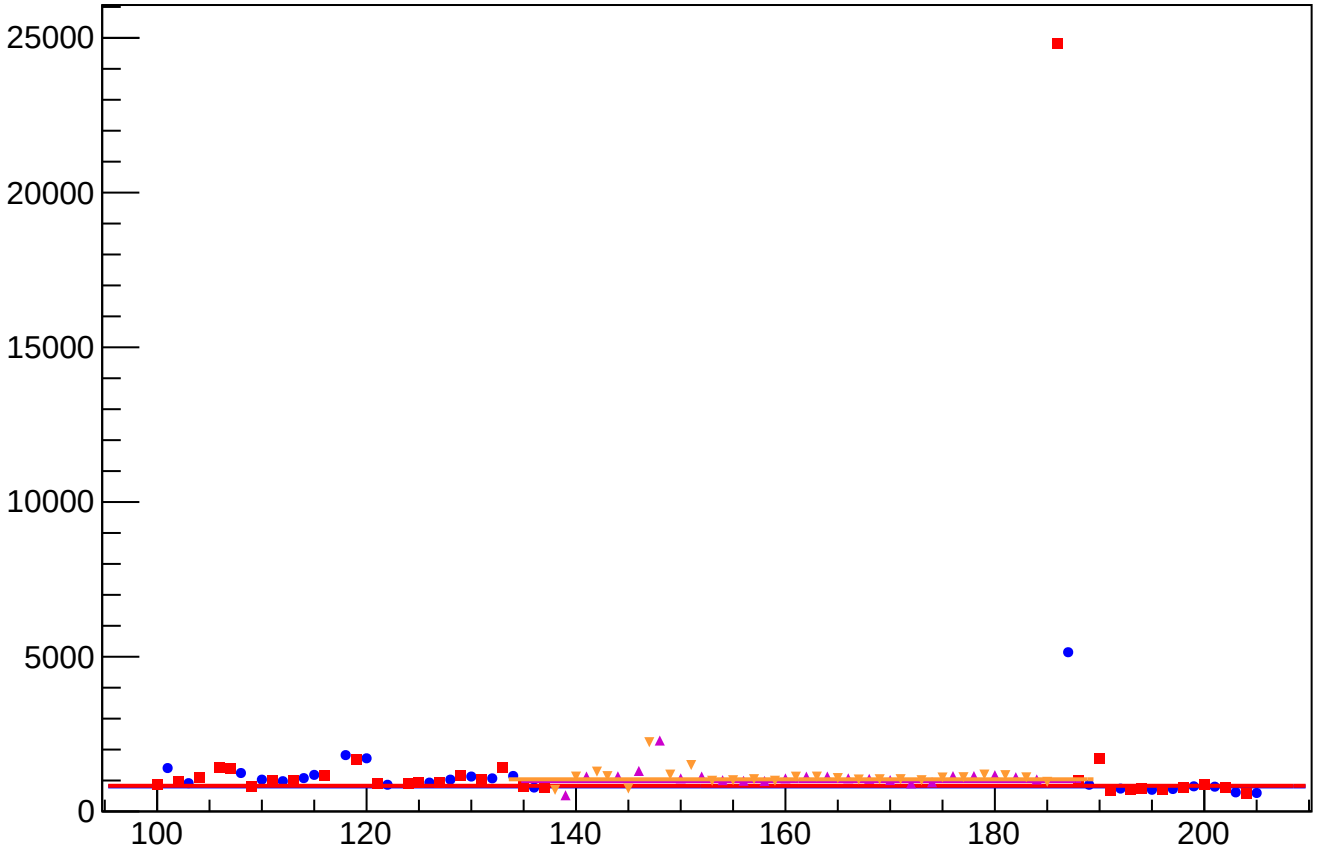
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.192+/-0.166 χ^2/NDF: 34.7/49

All: 0.024+/-0.116 χ^2/NDF: 92.7/102

- sign 0.235+/-0.164 χ^2/NDF: 54.6/52

diff_bpmtargetdiffY_rms vs Slug



Right In: 808.079+/-0.160 χ^2/NDF: 1959751.2/24

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

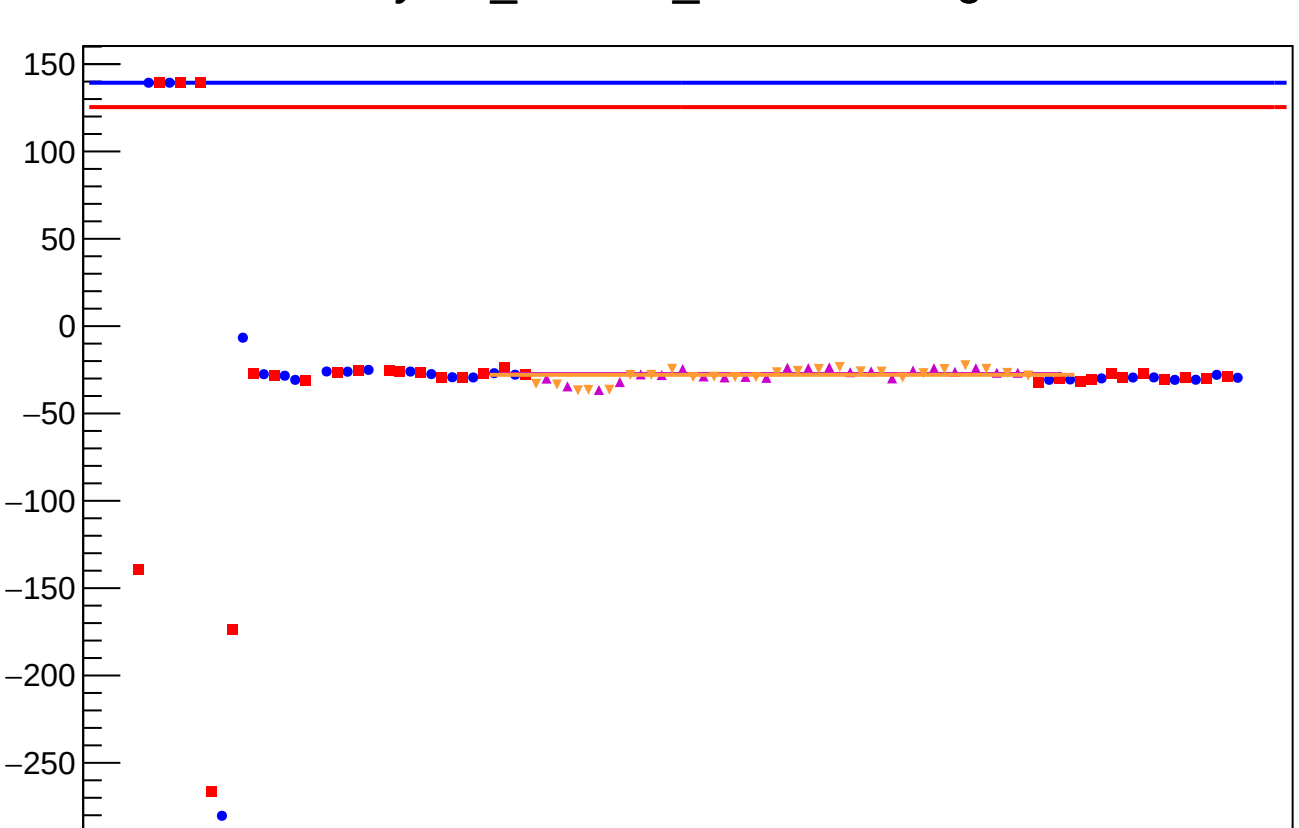
Right Out: 829.622+/-0.159 χ^2/NDF: 2267956.0/29

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

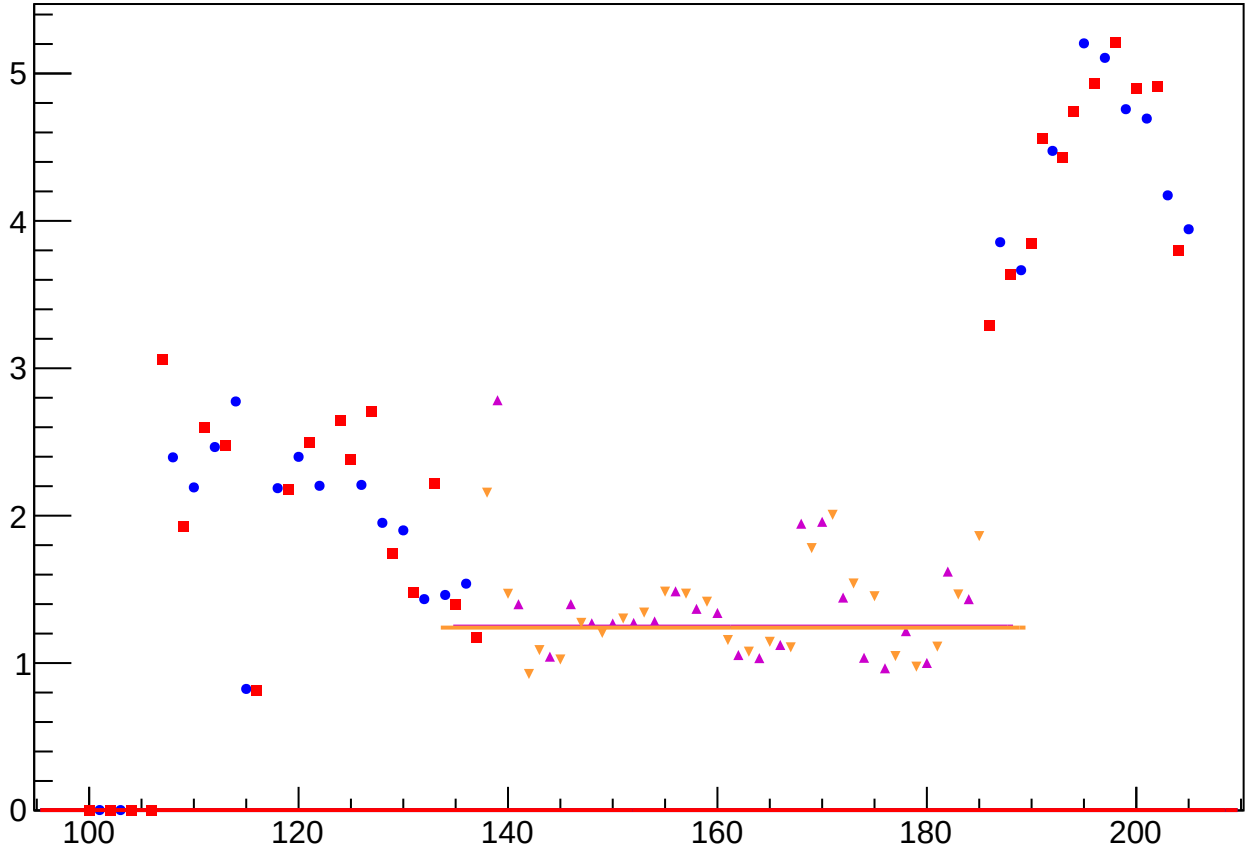
+ sign 915.234+/-0.117 χ^2/NDF: 4269331.3/49

All: 907.984+/-0.082 χ^2/NDF: 9199625.2/102

- sign 900.904+/-0.116 χ^2/NDF: 4922721.8/52


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.336+/-0.000 χ²/NDF: 56706944638.3/24
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.391+/-0.000 χ²/NDF: 774182980135348.1/29
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.327+/-0.000 χ²/NDF: 331249743156.6/4
All: 131.810+/-0.000 χ²/NDF: 79350688919
- sign 125.385+/-0.000 χ²/NDF: 774396632949125

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 22849705.8/24

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

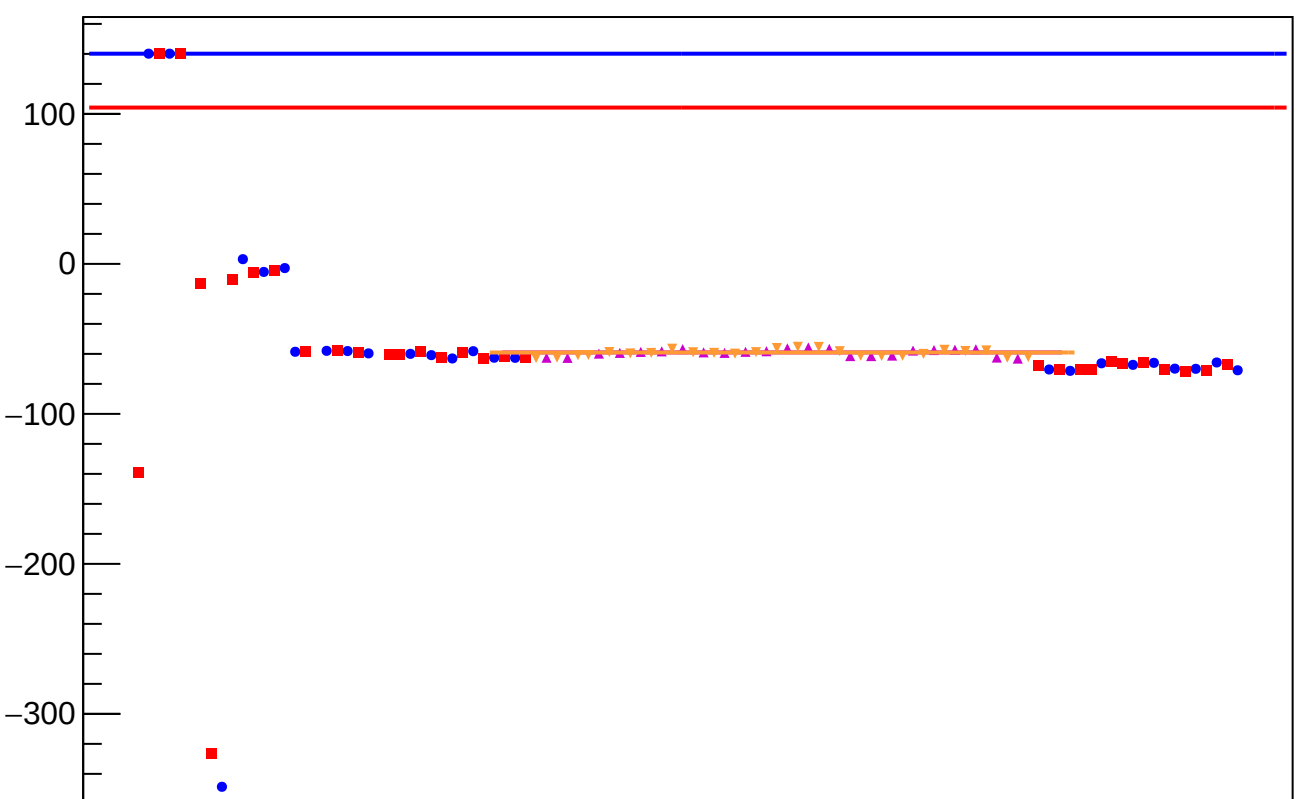
Right Out: 0.003+/-0.000 χ^2/NDF: 25172795.3/29

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 54147958.3/49

All: 0.003+/-0.000 χ^2/NDF: 109088126.6/102

- sign 0.003+/-0.000 χ^2/NDF: 54939790.4/52



Right In: 140.138+/-0.000 χ^2/NDF: 399401490280.2/24

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257573472964045.5/29

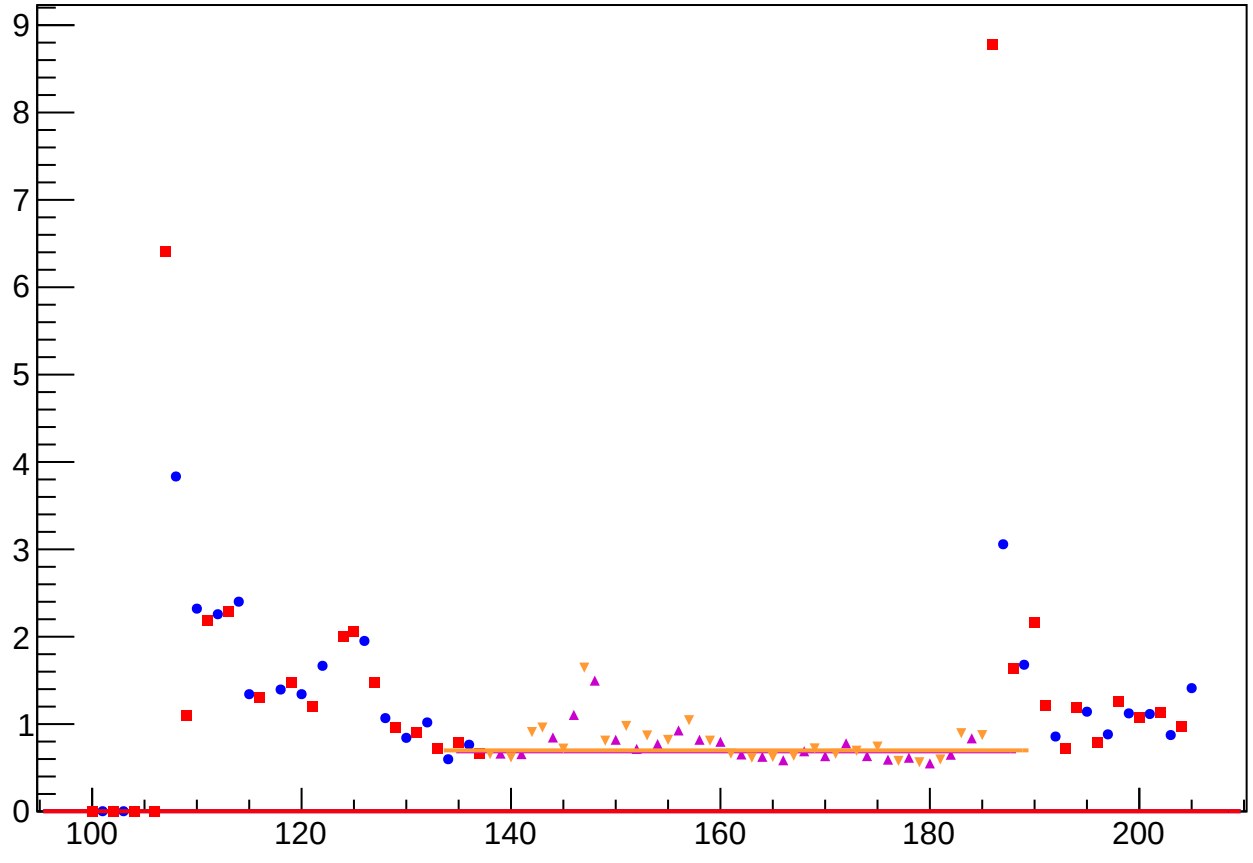
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.101+/-0.000 χ^2/NDF: 1696518010341.7

All: 120.796+/-0.000 χ^2/NDF: 13833744551

- sign 104.194+/-0.000 χ^2/NDF: 125843048729869

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 21535779.3/24

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23574110.7/29

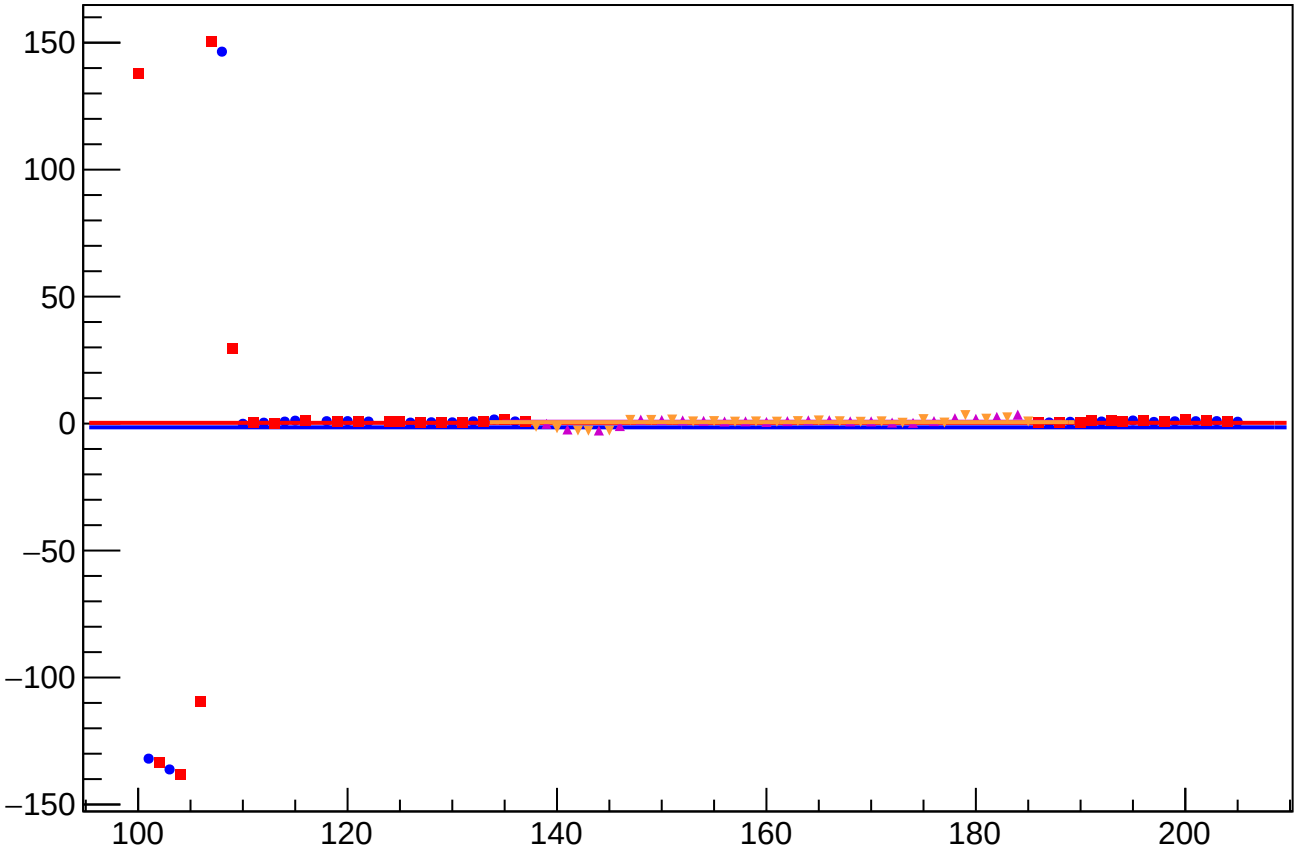
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 54587567.6/49

All: 0.003+/-0.000 χ^2/NDF: 109470311.3/102

- sign 0.003+/-0.000 χ^2/NDF: 54882178.1/52

yield_cav4cX_mean vs Slug



Right In: -1.478+/-0.000 χ^2/NDF: 9901783067.2/24

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.290+/-0.000 χ^2/NDF: 3612899480.7/29

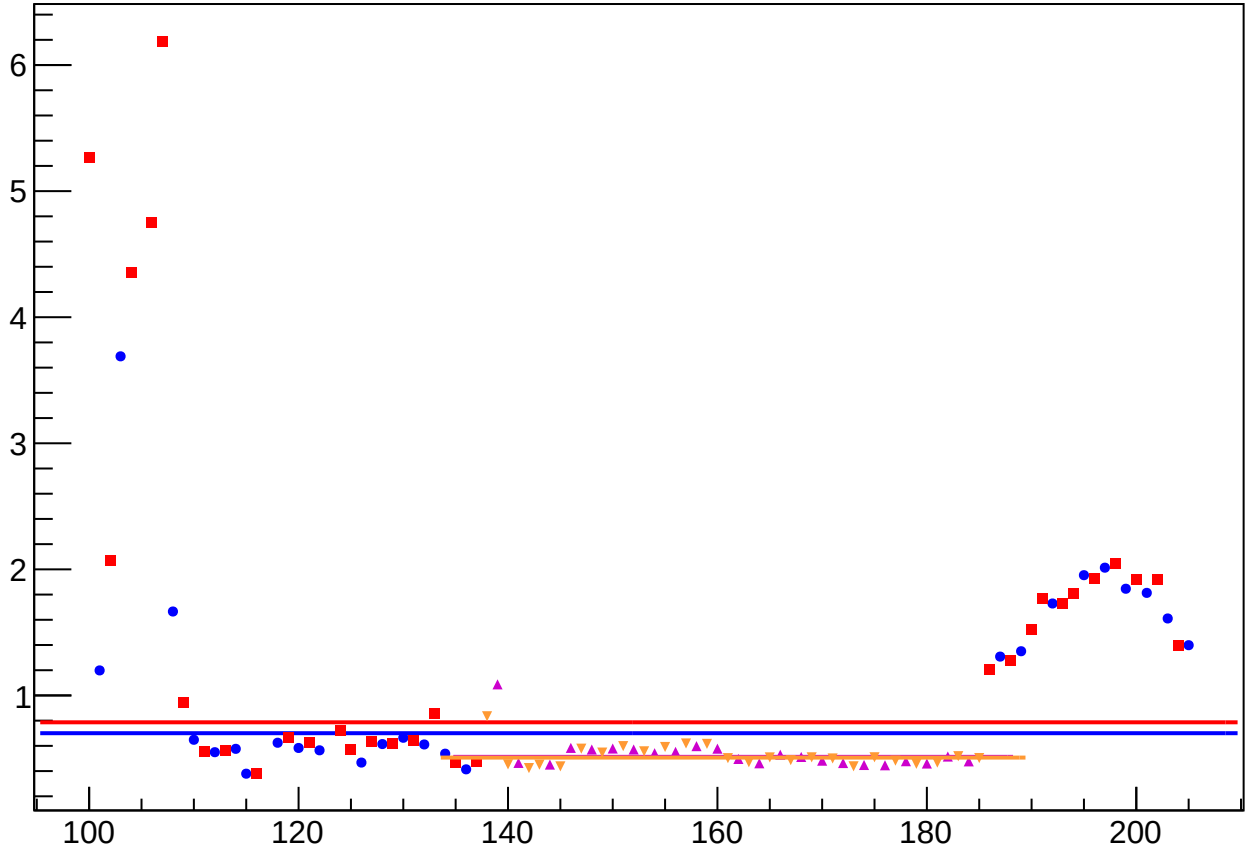
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.096+/-0.000 χ^2/NDF: 10115944730.4/49

All: 0.352+/-0.000 χ^2/NDF: 13847335022.5/1

- sign 0.633+/-0.000 χ^2/NDF: 3720498532.2/52

yield_cav4cX_rms vs Slug



Right In: 0.700+/-0.000 χ^2/NDF: 6839589.3/24

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

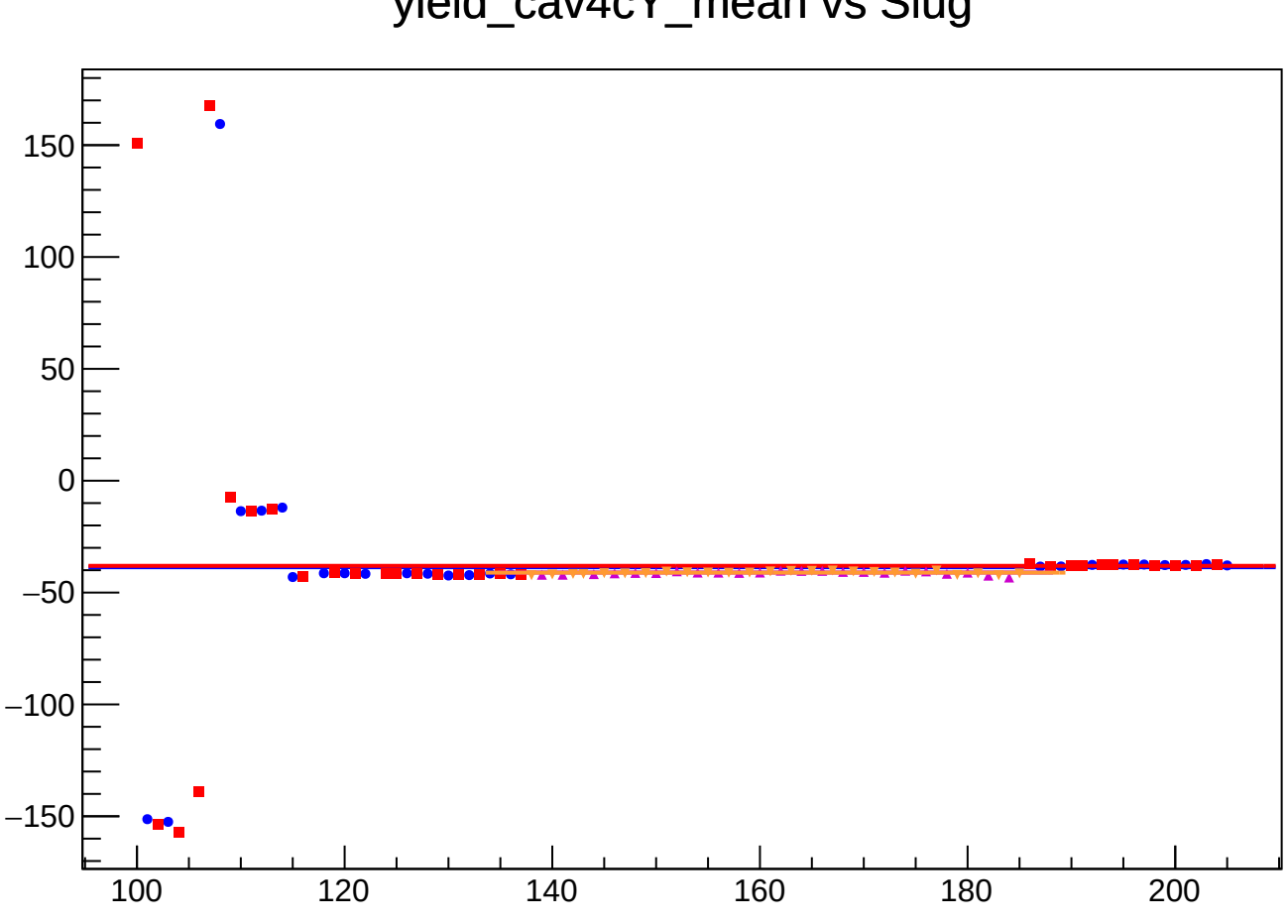
Right Out: 0.787+/-0.000 χ^2/NDF: 7733199.0/29

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

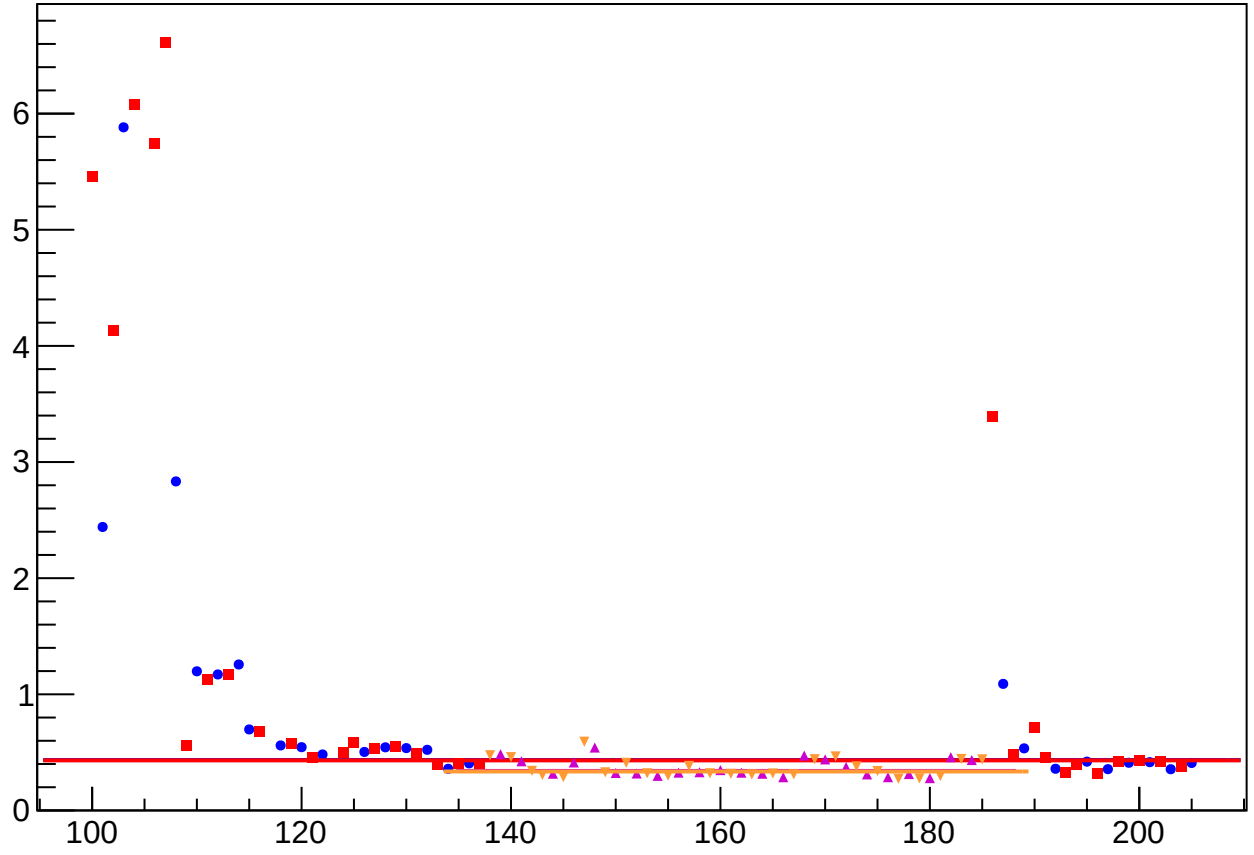
+ sign 0.552+/-0.000 χ^2/NDF: 8456122.4/49

All: 0.563+/-0.000 χ^2/NDF: 18873820.9/102

- sign 0.574+/-0.000 χ^2/NDF: 10379957.9/52


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -38.665+/-0.000 χ²/NDF: 3596978722.4/24
Left Out: -41.092+/-0.000 χ²/NDF:60251030.2/24
Right Out: -38.060+/-0.000 χ²/NDF: 2510916983.4/29
Left In: -41.029+/-0.000 χ²/NDF:51382147.2/22
+ sign -40.433+/-0.000 χ²/NDF: 3909150213.9/49
All: -40.285+/-0.000 χ²/NDF: 6868213366.6/
- sign -40.131+/-0.000 χ²/NDF: 2949387336.8/52

yield_cav4cY_rms vs Slug



Right In: 0.434+/-0.000 χ^2/NDF: 3648310.0/24

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.432+/-0.000 χ^2/NDF: 4650623.3/29

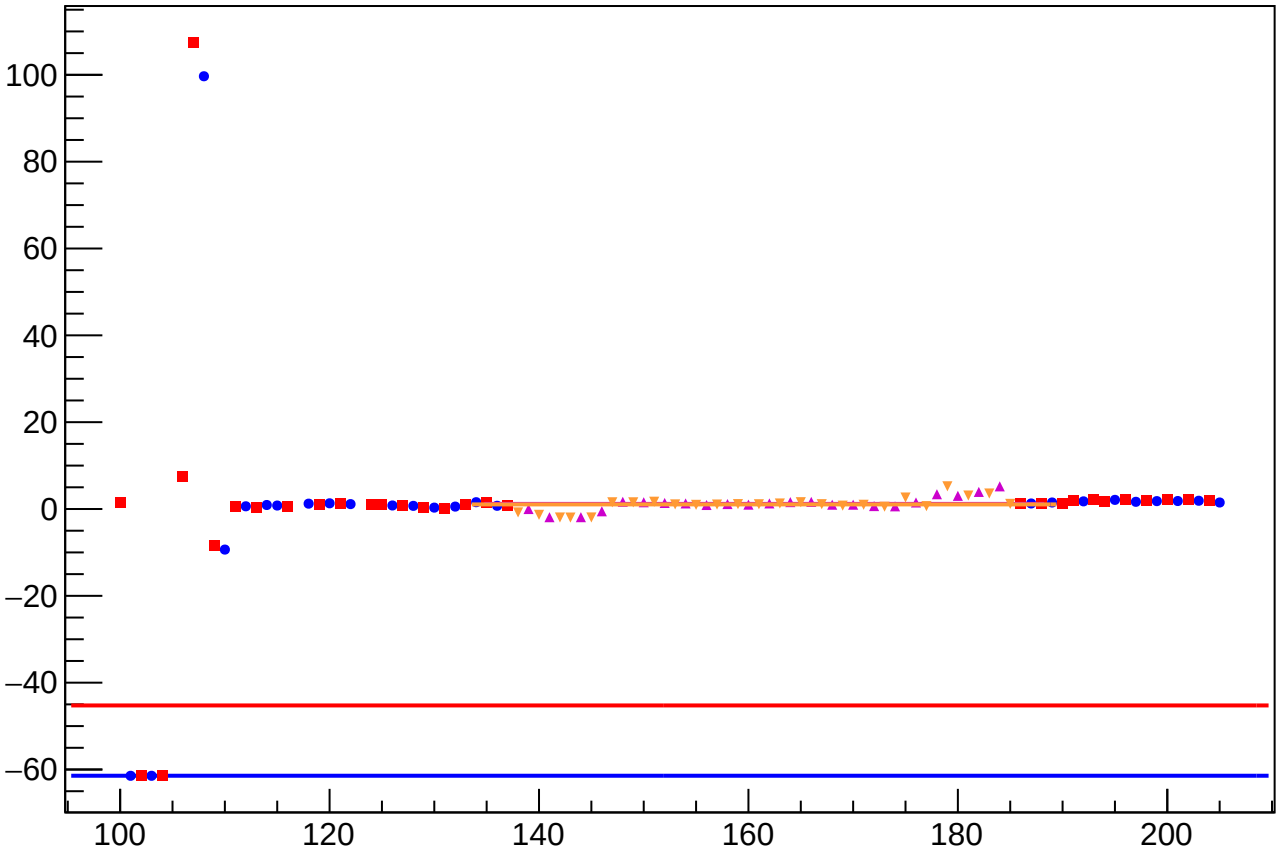
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.362+/-0.000 χ^2/NDF: 5713453.2/49

All: 0.365+/-0.000 χ^2/NDF: 12169528.1/102

- sign 0.368+/-0.000 χ^2/NDF: 6449571.0/52

yield_cav4dX_mean vs Slug



Right In: -61.435+/-0.000 χ^2/NDF: 286101897762.4/24

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357878727024461.8/29

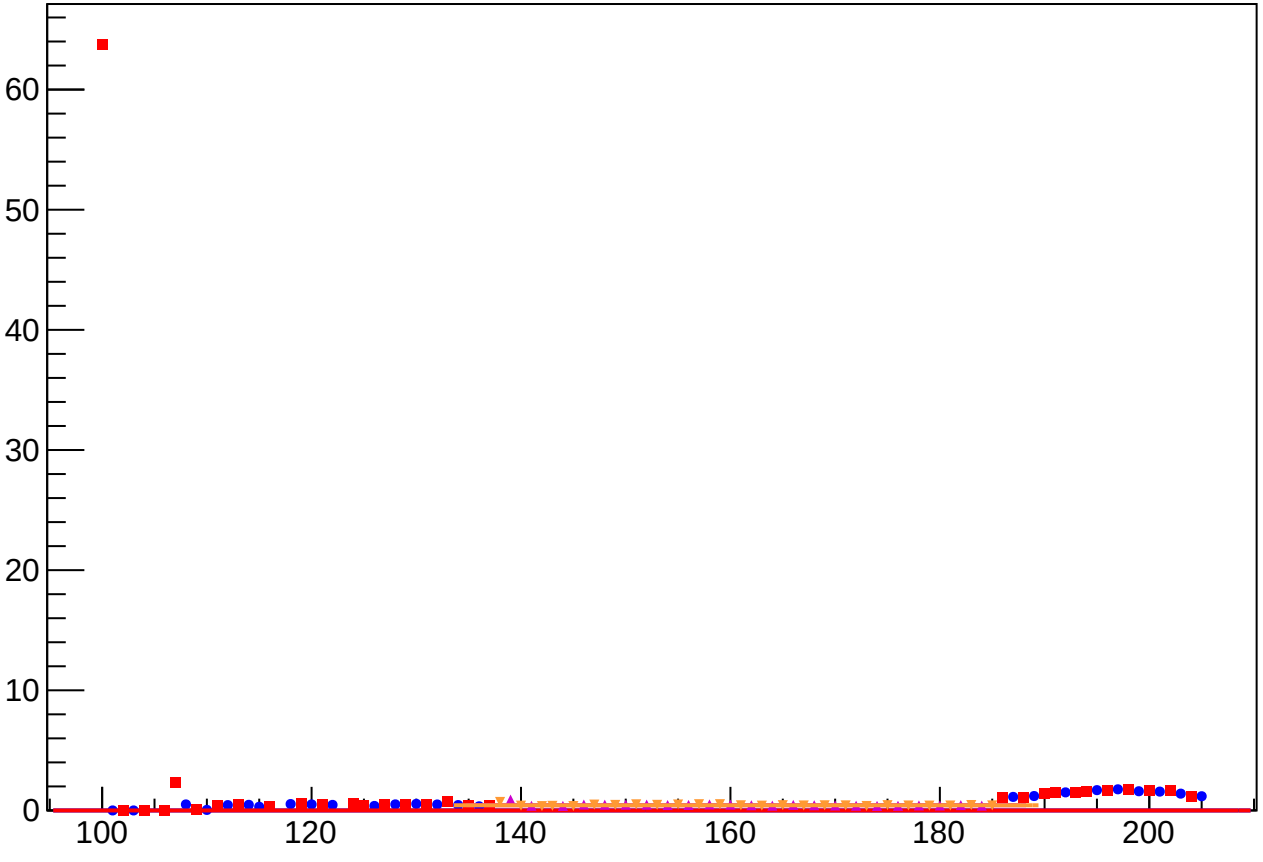
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 616104737144.1/4

All: -52.737+/-0.000 χ^2/NDF: 409611997722

- sign -45.236+/-0.000 χ^2/NDF: 358045290892801.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 22416513.1/24

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

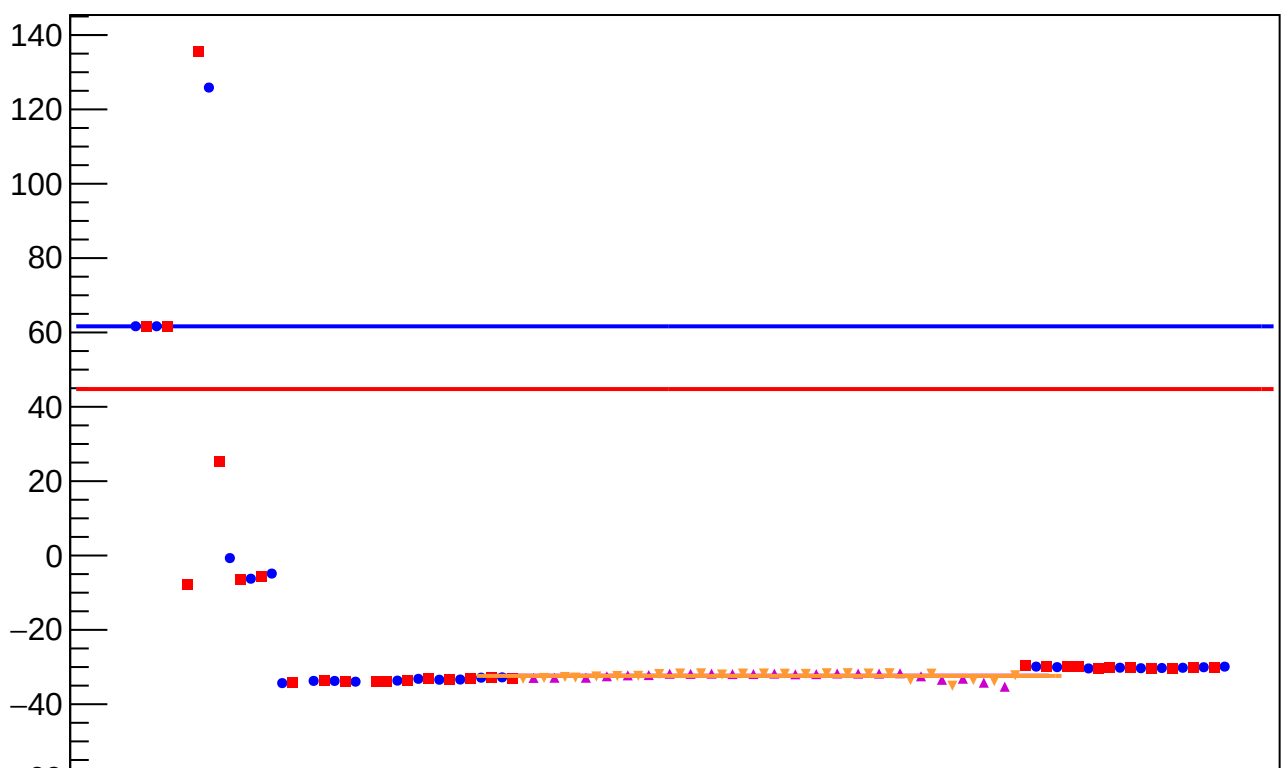
Right Out: 0.001+/-0.000 χ^2/NDF: 24774112.8/29

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 54180457.0/49

All: 0.002+/-0.000 χ^2/NDF: 109096383.1/102

- sign 0.002+/-0.000 χ^2/NDF: 54915737.5/52



Right In: 61.646+/-0.000 χ^2/NDF: 870296797139.0/24

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.773+/-0.000 χ^2/NDF: 366459591472418.4/29

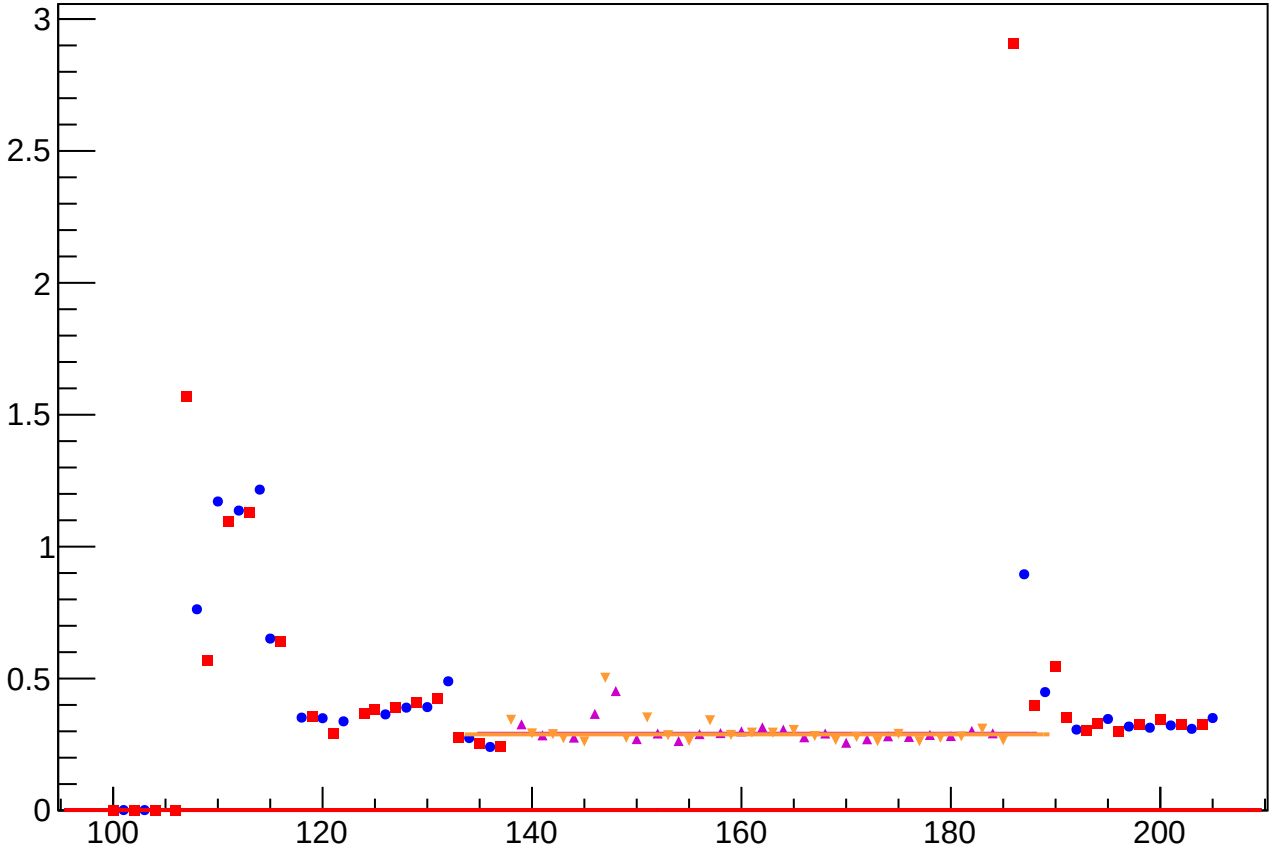
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.584+/-0.000 χ^2/NDF: 2827757466649.2/4

All: 52.624+/-0.000 χ^2/NDF: 421515312569

- sign 44.731+/-0.000 χ^2/NDF: 367687003415359.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 24028069.5/24

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 25723195.5/29

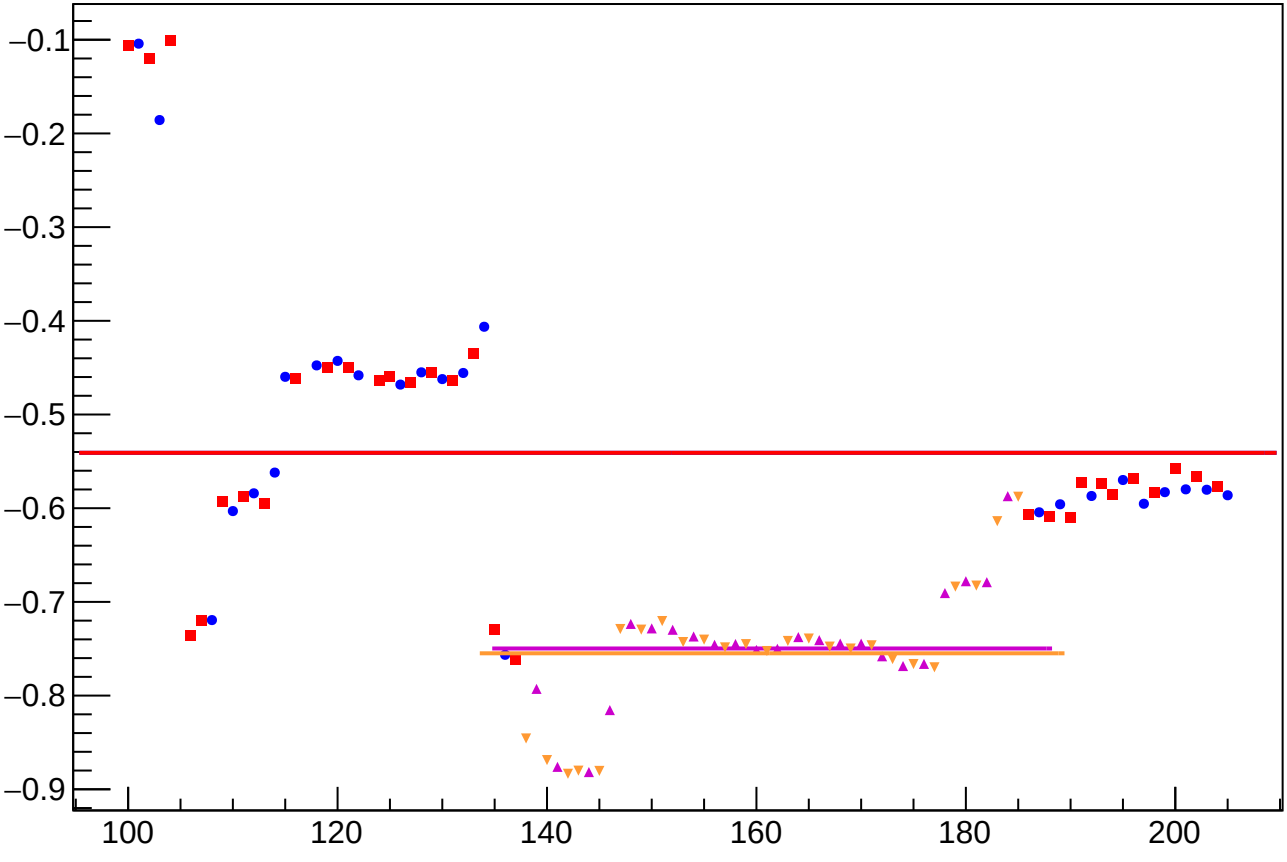
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 60976782.4/49

All: 0.002+/-0.000 χ^2/NDF: 121594976.6/102

- sign 0.002+/-0.000 χ^2/NDF: 60618115.9/52

yield_bpm4aX_mean vs Slug



Right In: -0.541+/-0.000 χ^2/NDF: 304436929.5/24

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.541+/-0.000 χ^2/NDF: 219327635.8/29

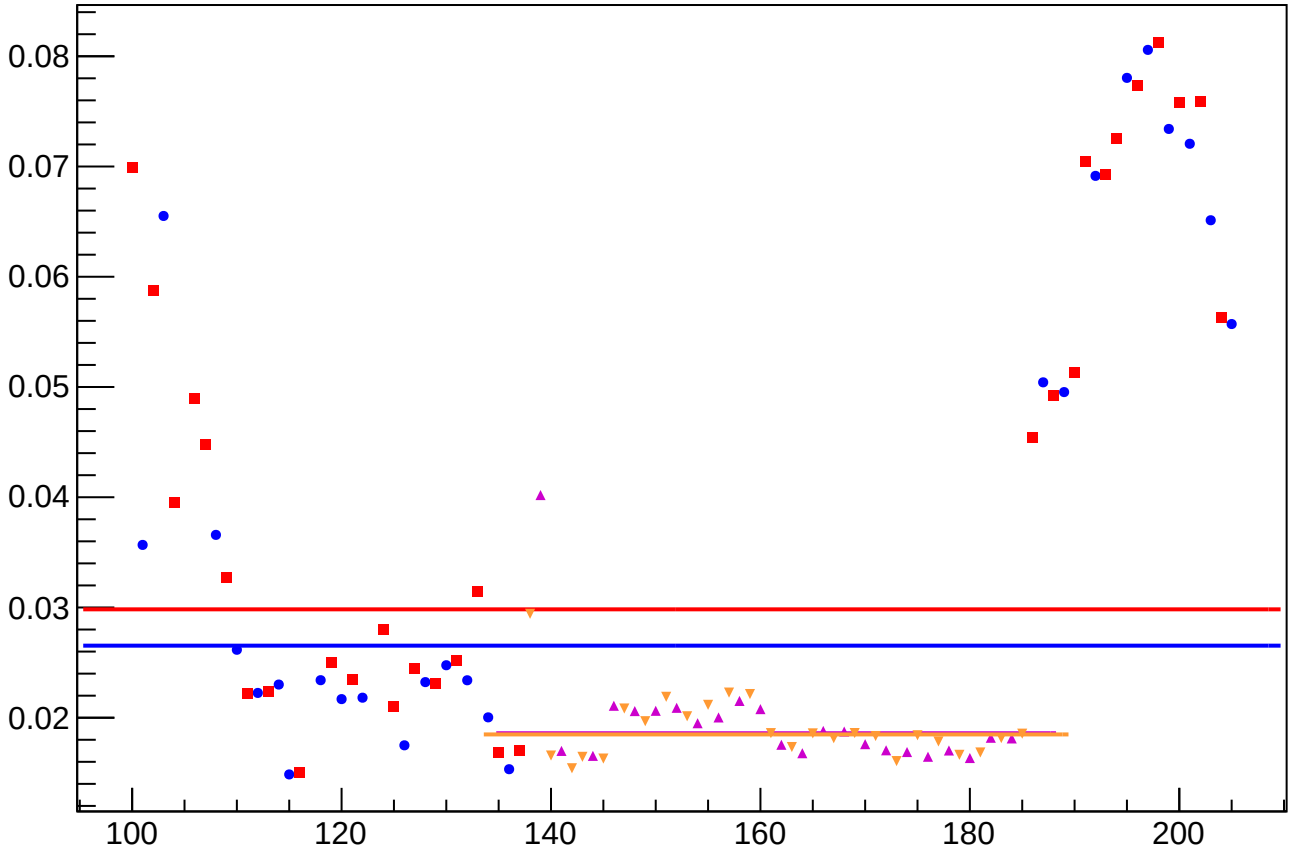
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.707+/-0.000 χ^2/NDF: 984622491.1/49

All: -0.706+/-0.000 χ^2/NDF: 1749892738.2/1

- sign -0.704+/-0.000 χ^2/NDF: 765014900.5/52

yield_bpm4aX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 6640989.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 6737103.5/29

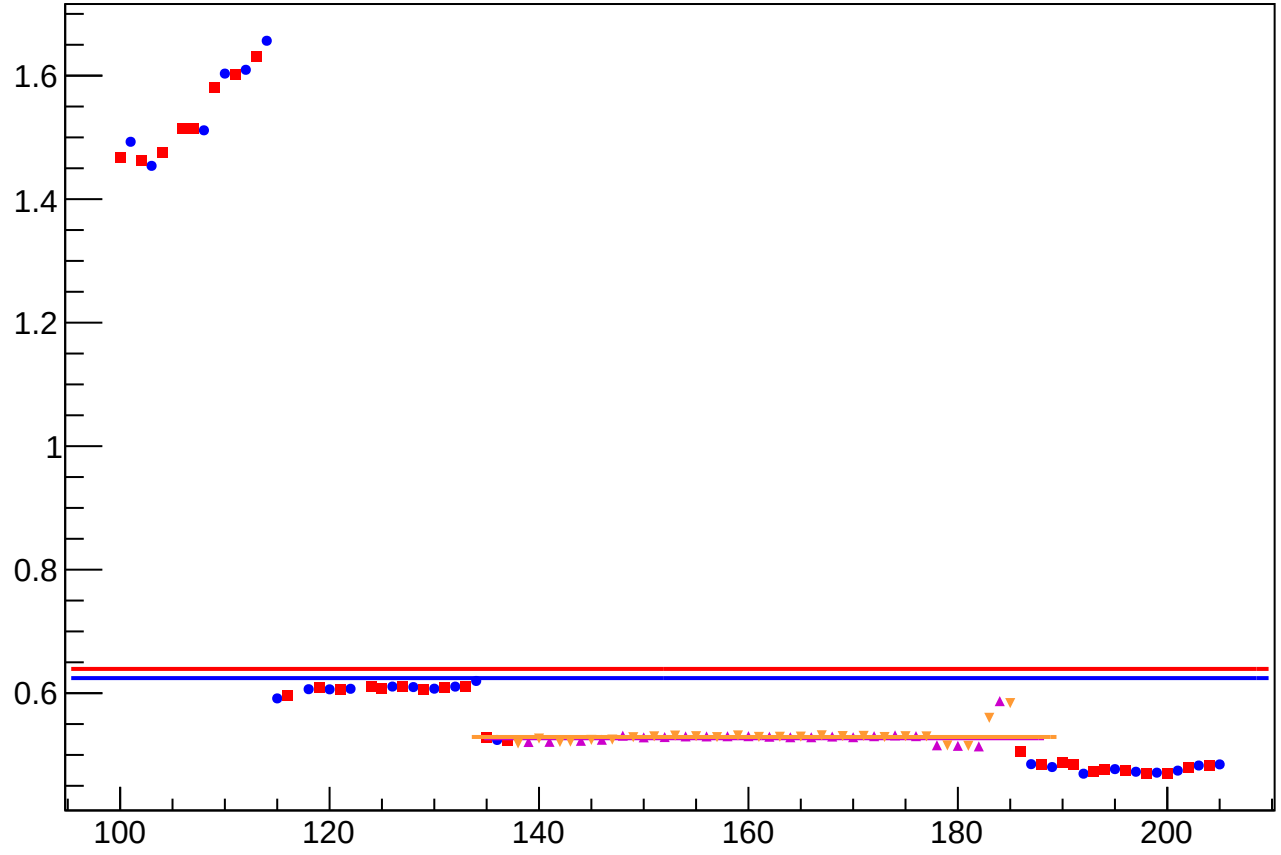
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 8456699.7/49

All: 0.021+/-0.000 χ^2/NDF: 18310338.4/102

- sign 0.021+/-0.000 χ^2/NDF: 9820400.5/52

yield_bpm4aY_mean vs Slug



Right In: 0.624+/-0.000 χ^2/NDF: 5501933615.4/24

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.639+/-0.000 χ^2/NDF: 6449901752.8/29

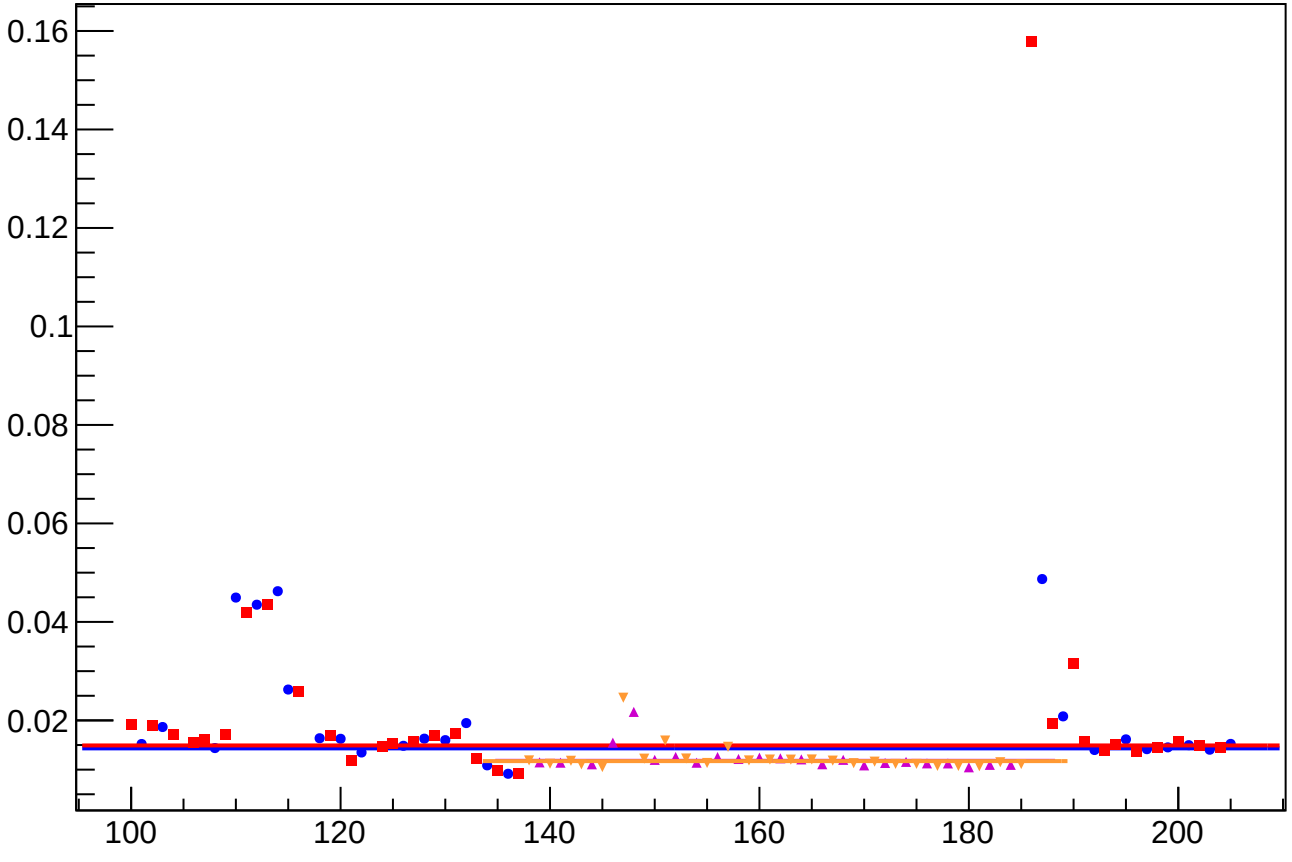
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.558+/-0.000 χ^2/NDF: 5895598670.2/49

All: 0.561+/-0.000 χ^2/NDF: 12875245150.9/1

- sign 0.563+/-0.000 χ^2/NDF: 6977495693.7/52

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1969583.6/24

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383944.8/29

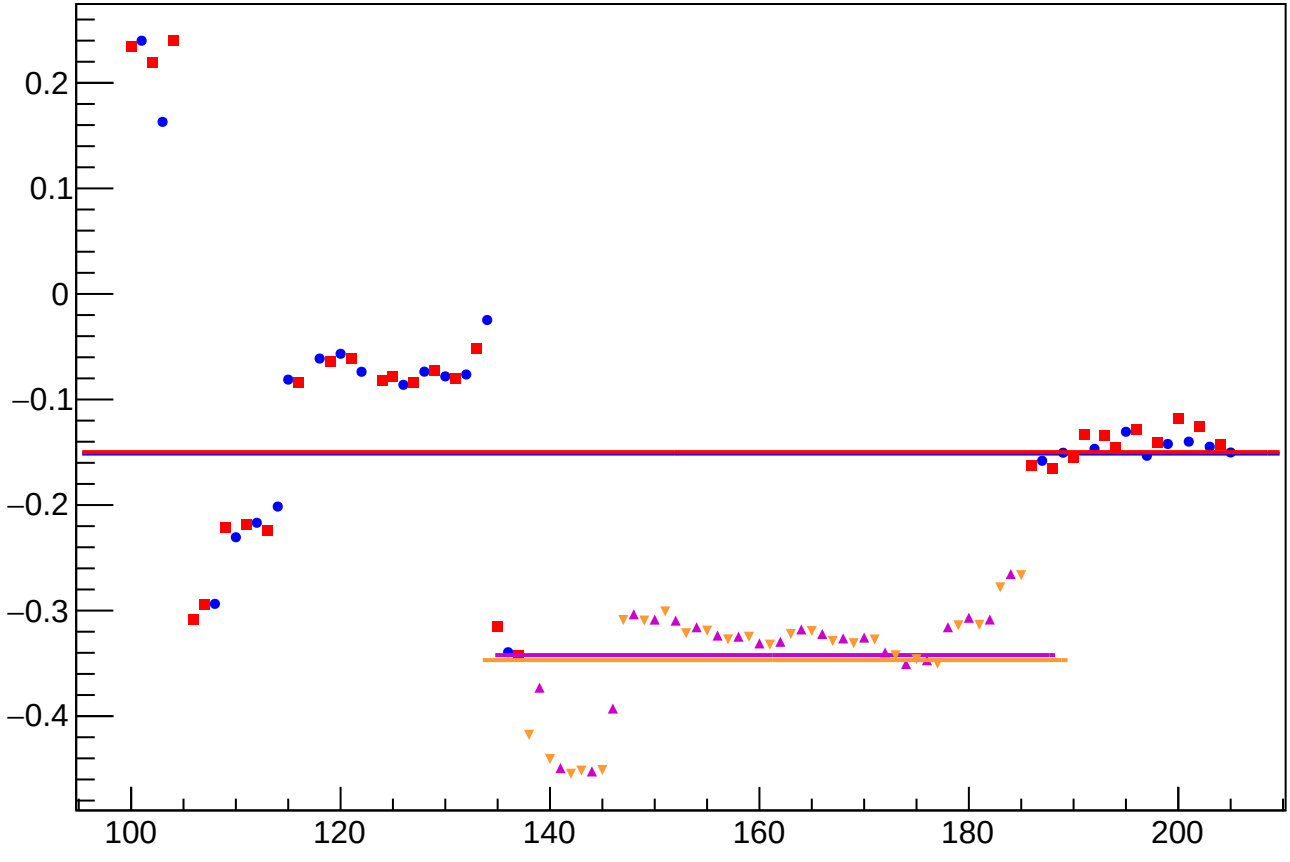
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3224906.3/49

All: 0.013+/-0.000 χ^2/NDF: 6938818.4/102

- sign 0.013+/-0.000 χ^2/NDF: 3700345.3/52

yield_bpm4eX_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF: 276912574.0/24

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199946052.3/29

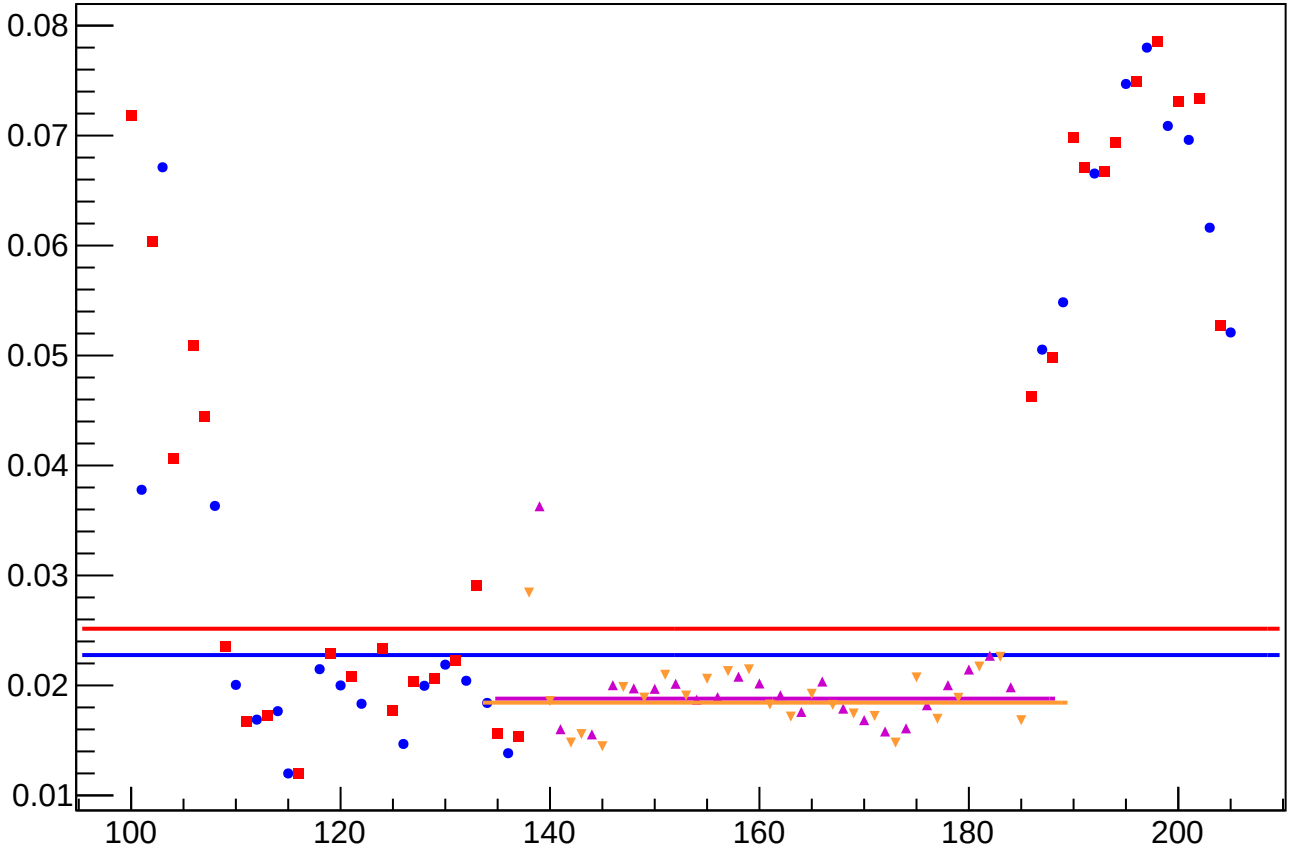
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.295+/-0.000 χ^2/NDF: 880266157.3/49

All: -0.293+/-0.000 χ^2/NDF: 1591594306.4/1

- sign -0.290+/-0.000 χ^2/NDF: 710793198.3/52

yield_bpm4eX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 7570665.7/24

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 8117455.6/29

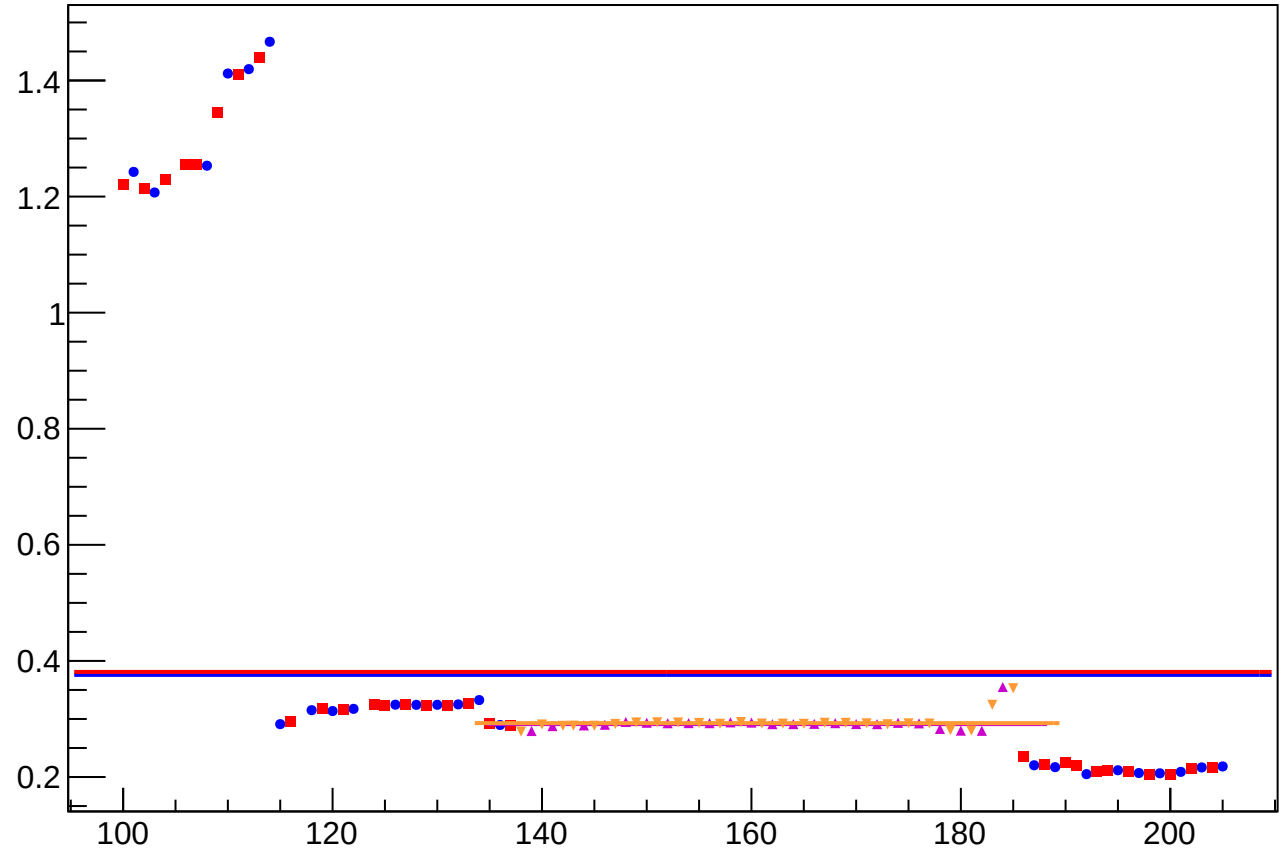
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.020+/-0.000 χ^2/NDF: 8677375.0/49

All: 0.020+/-0.000 χ^2/NDF: 18488393.2/102

- sign 0.021+/-0.000 χ^2/NDF: 9759937.7/52

yield_bpm4eY_mean vs Slug



Right In: 0.376+/-0.000 χ^2/NDF: 8155333112.3/24

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.381+/-0.000 χ^2/NDF: 9125586996.4/29

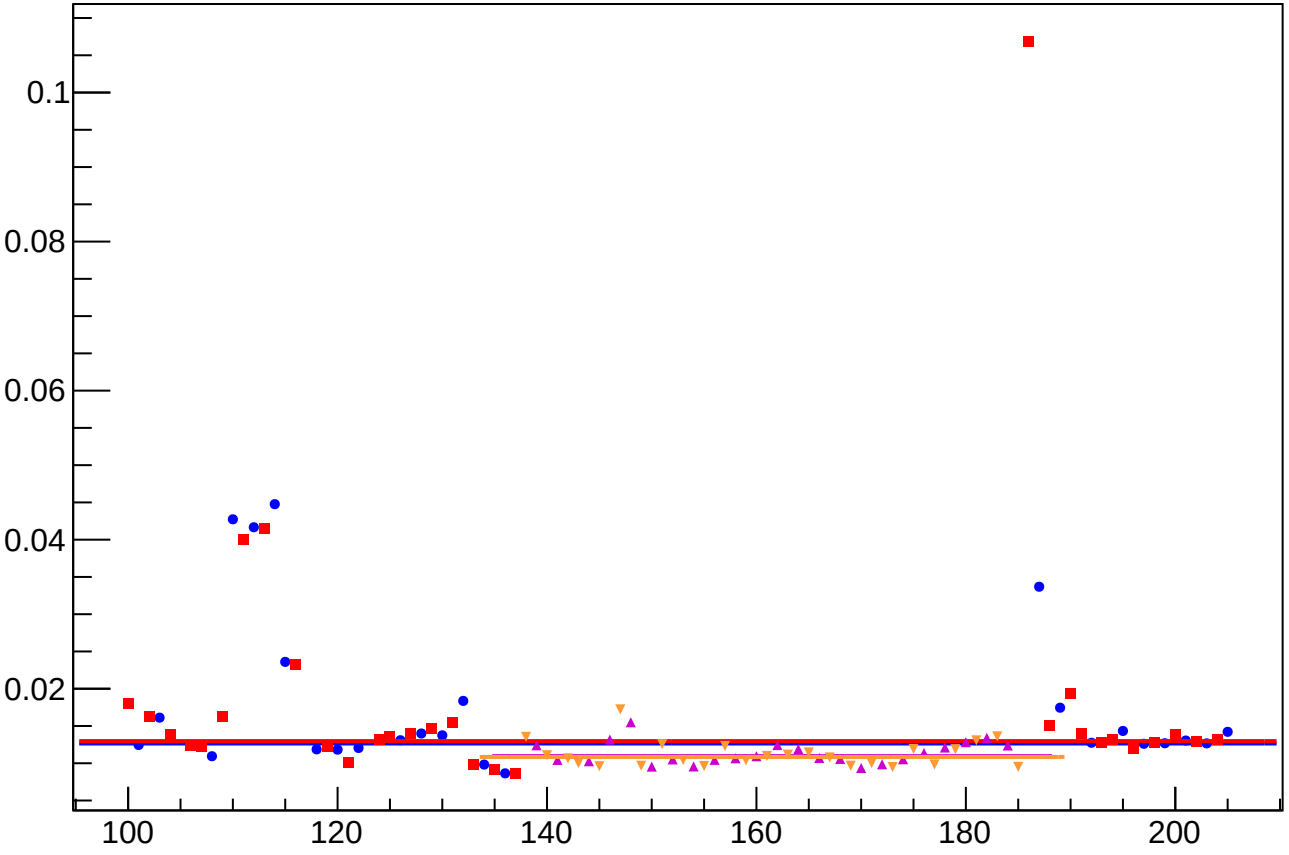
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.320+/-0.000 χ^2/NDF: 8529516473.0/49

All: 0.322+/-0.000 χ^2/NDF: 18081396648.1/1

- sign 0.323+/-0.000 χ^2/NDF: 9551059191.0/52

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1787402.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2165446.2/29

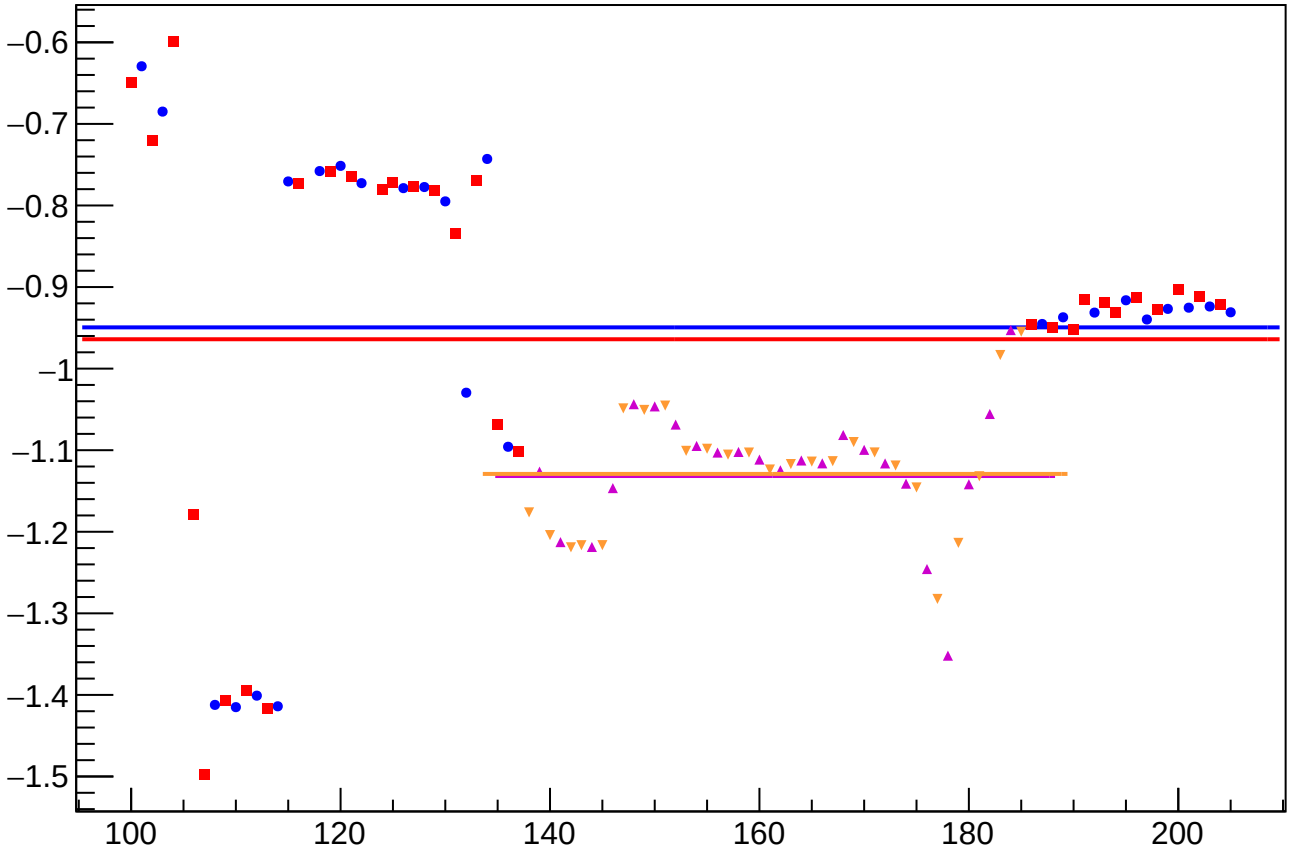
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2779274.6/49

All: 0.012+/-0.000 χ^2/NDF: 5886429.6/102

- sign 0.012+/-0.000 χ^2/NDF: 3095278.7/52

yield_bpm4acX_mean vs Slug



Right In: -0.949+/-0.000 χ^2/NDF: 700238692.4/24

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717851072.1/29

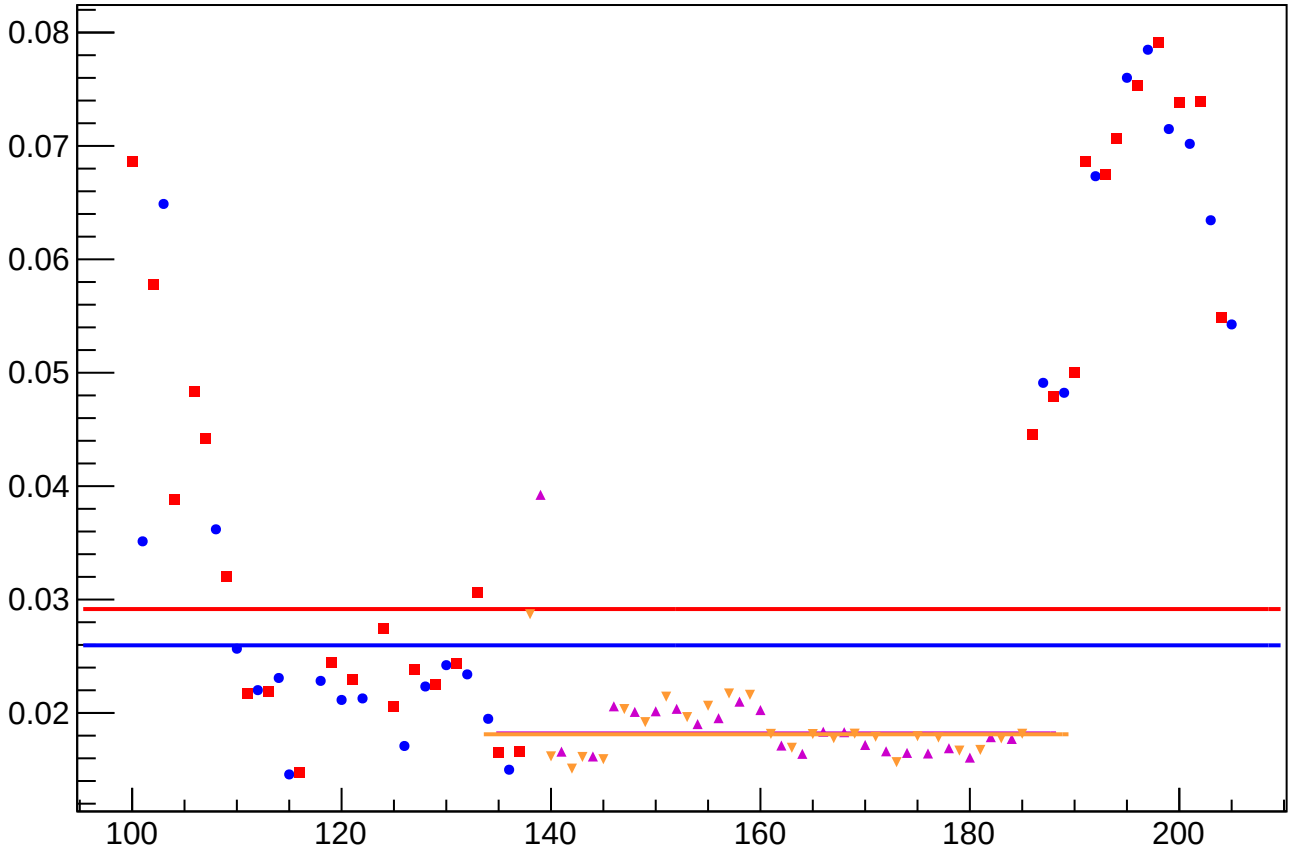
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.089+/-0.000 χ^2/NDF: 1282558052.2/49

All: -1.092+/-0.000 χ^2/NDF: 2534349555.3/1

- sign -1.095+/-0.000 χ^2/NDF: 1250676218.8/52

yield_bpm4acX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 6627040.2/24

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6718004.9/29

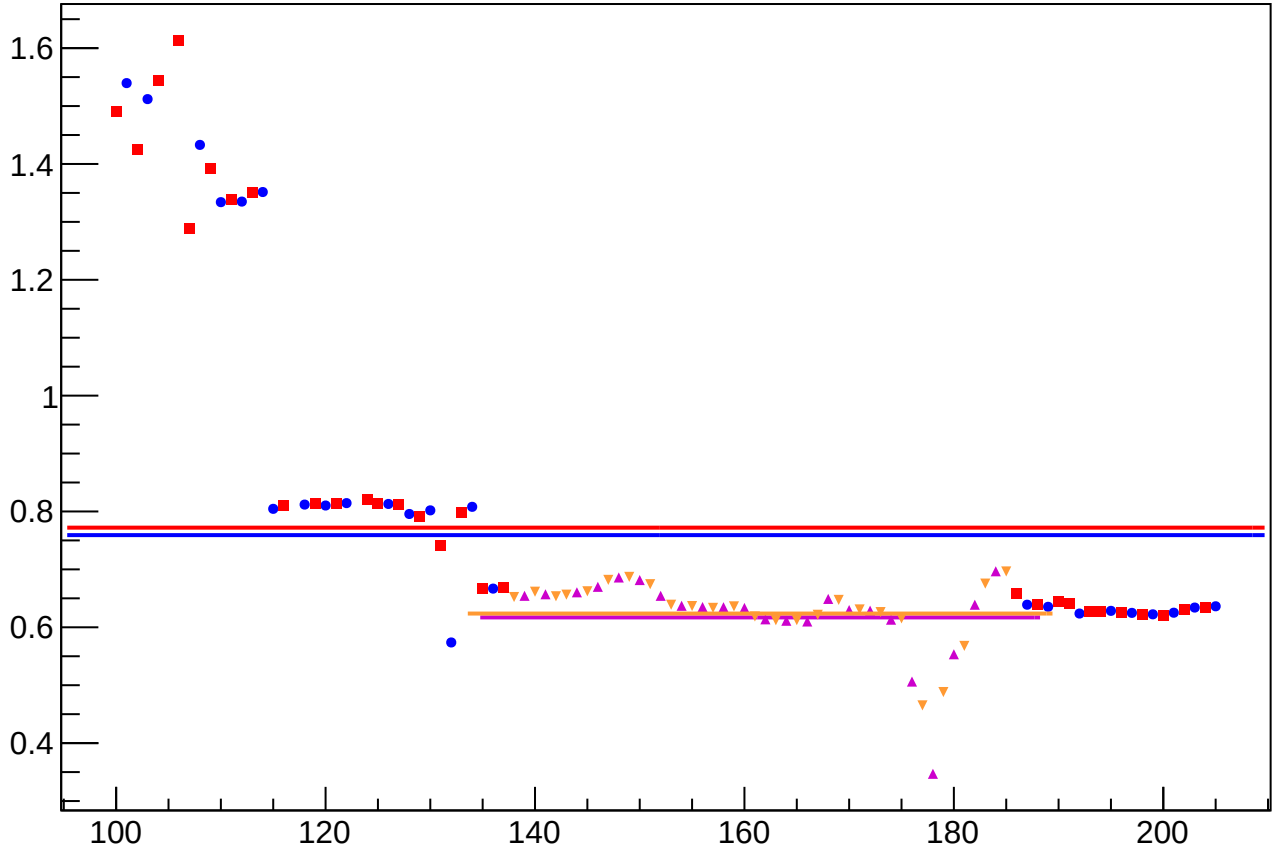
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 8412988.9/49

All: 0.020+/-0.000 χ^2/NDF: 18217290.9/102

- sign 0.021+/-0.000 χ^2/NDF: 9773692.1/52

yield_bpm4acY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 3748636364.6/24

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.772+/-0.000 χ^2/NDF: 4100827660.3/29

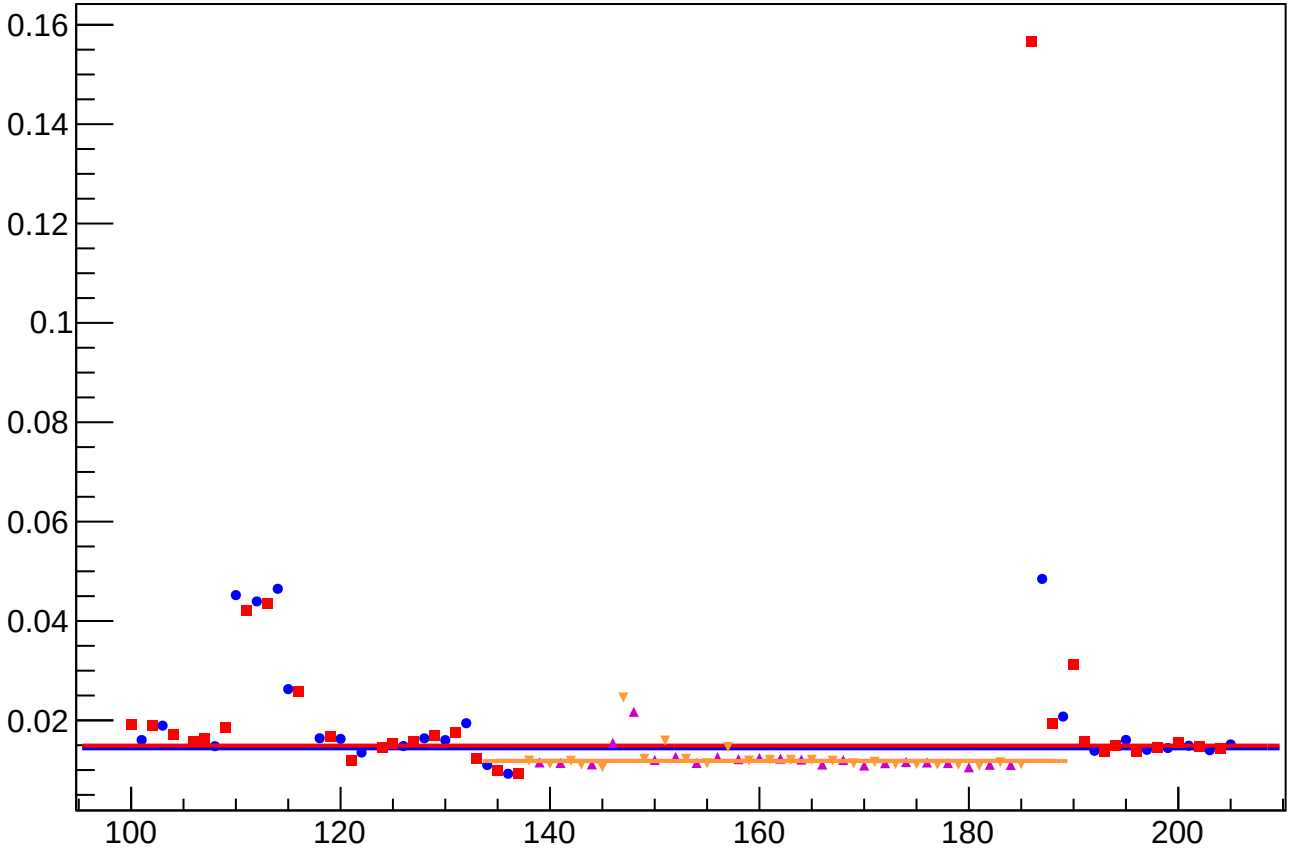
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.666+/-0.000 χ^2/NDF: 4903313484.7/49

All: 0.666+/-0.000 χ^2/NDF: 10625889816.9/1

- sign 0.667+/-0.000 χ^2/NDF: 5722326905.5/52

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1952604.0/24

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

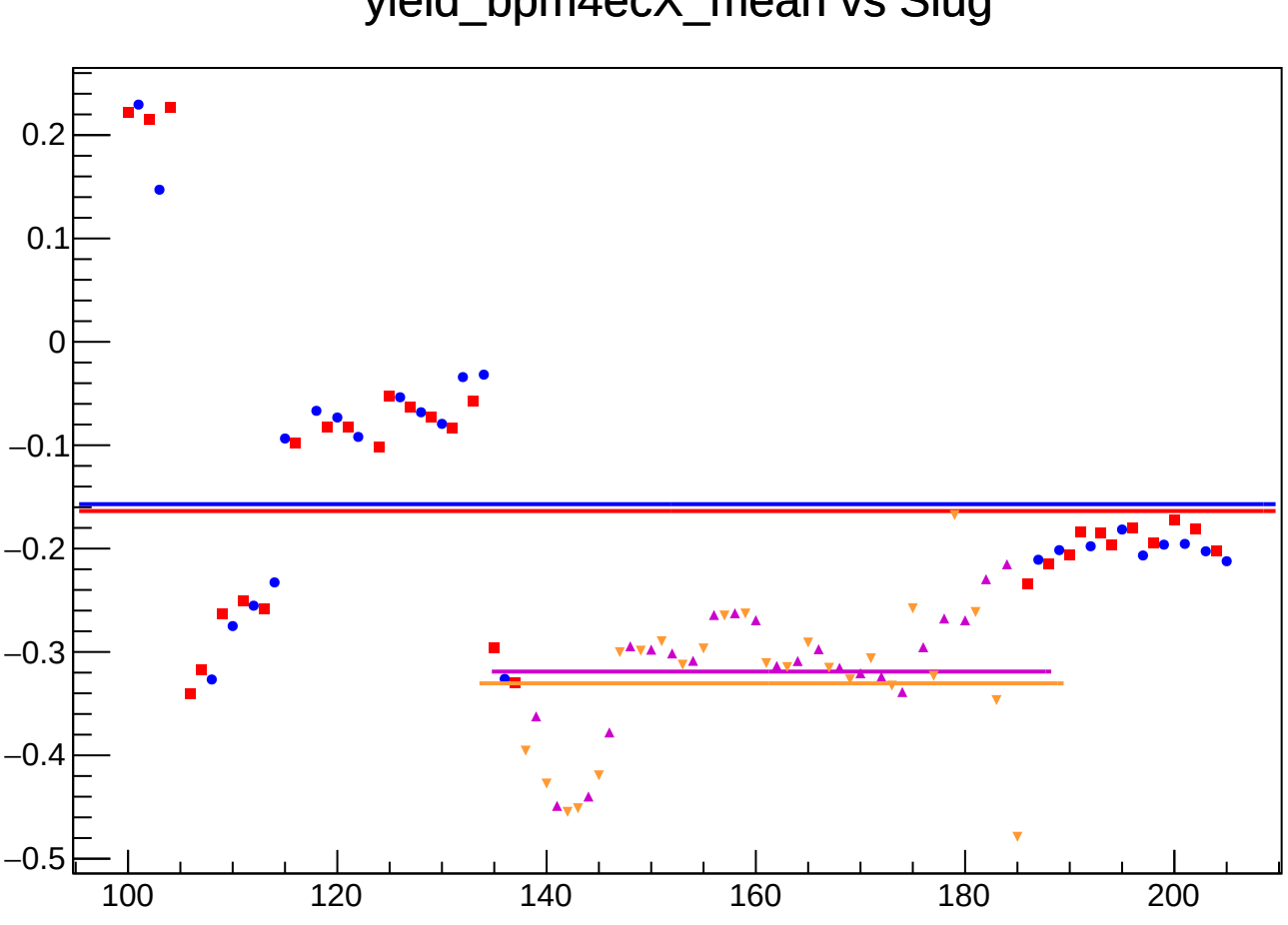
Right Out: 0.015+/-0.000 χ^2/NDF: 2389000.3/29

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3165260.0/49

All: 0.013+/-0.000 χ^2/NDF: 6842305.6/102

- sign 0.013+/-0.000 χ^2/NDF: 3665959.4/52



Right In: -0.157+/-0.000 χ^2/NDF: 277726544.9/24

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.164+/-0.000 χ^2/NDF: 198817859.2/29

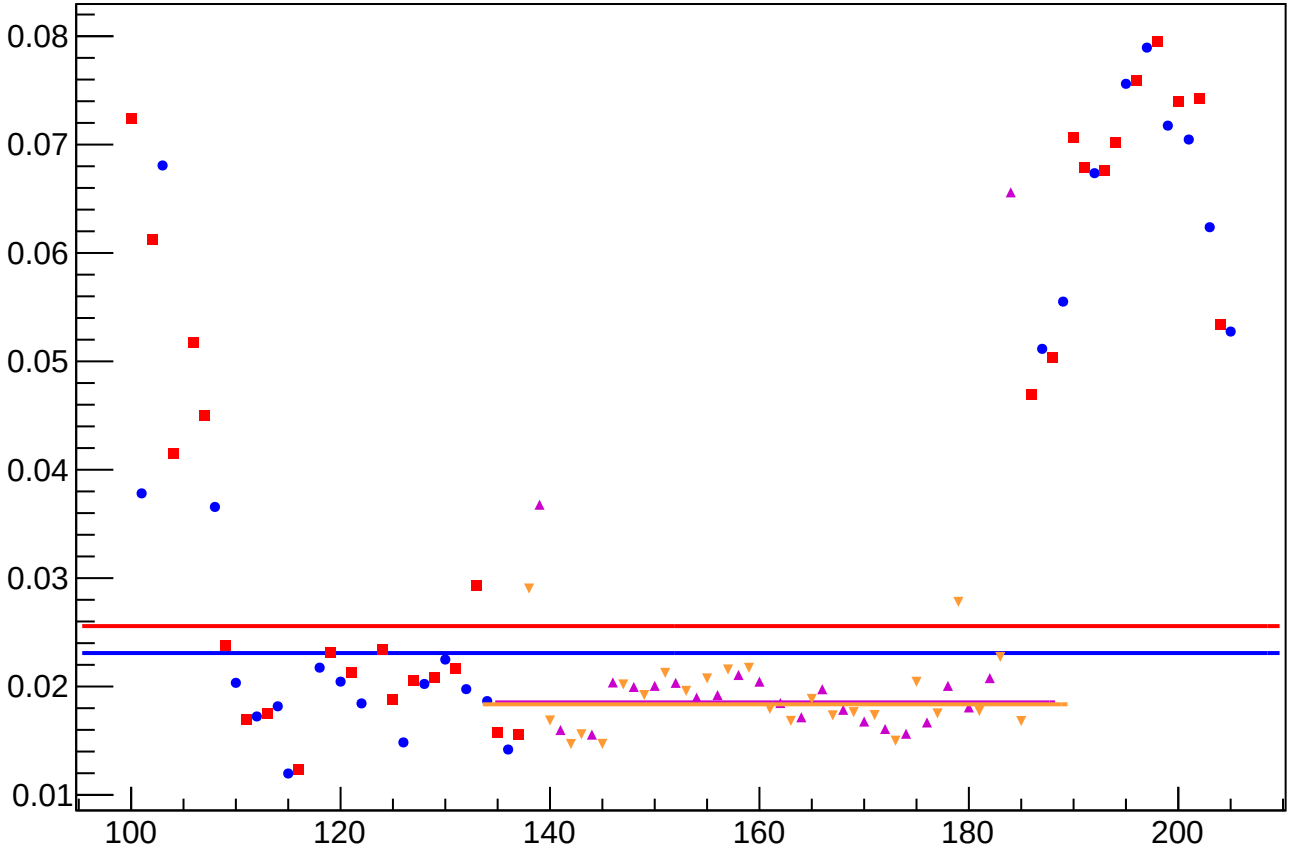
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.284+/-0.000 χ^2/NDF: 825593702.0/49

All: -0.281+/-0.000 χ^2/NDF: 1425223680.6/1

- sign -0.278+/-0.000 χ^2/NDF: 598508774.2/52

yield_bpm4ecX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 7535919.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8070810.8/29

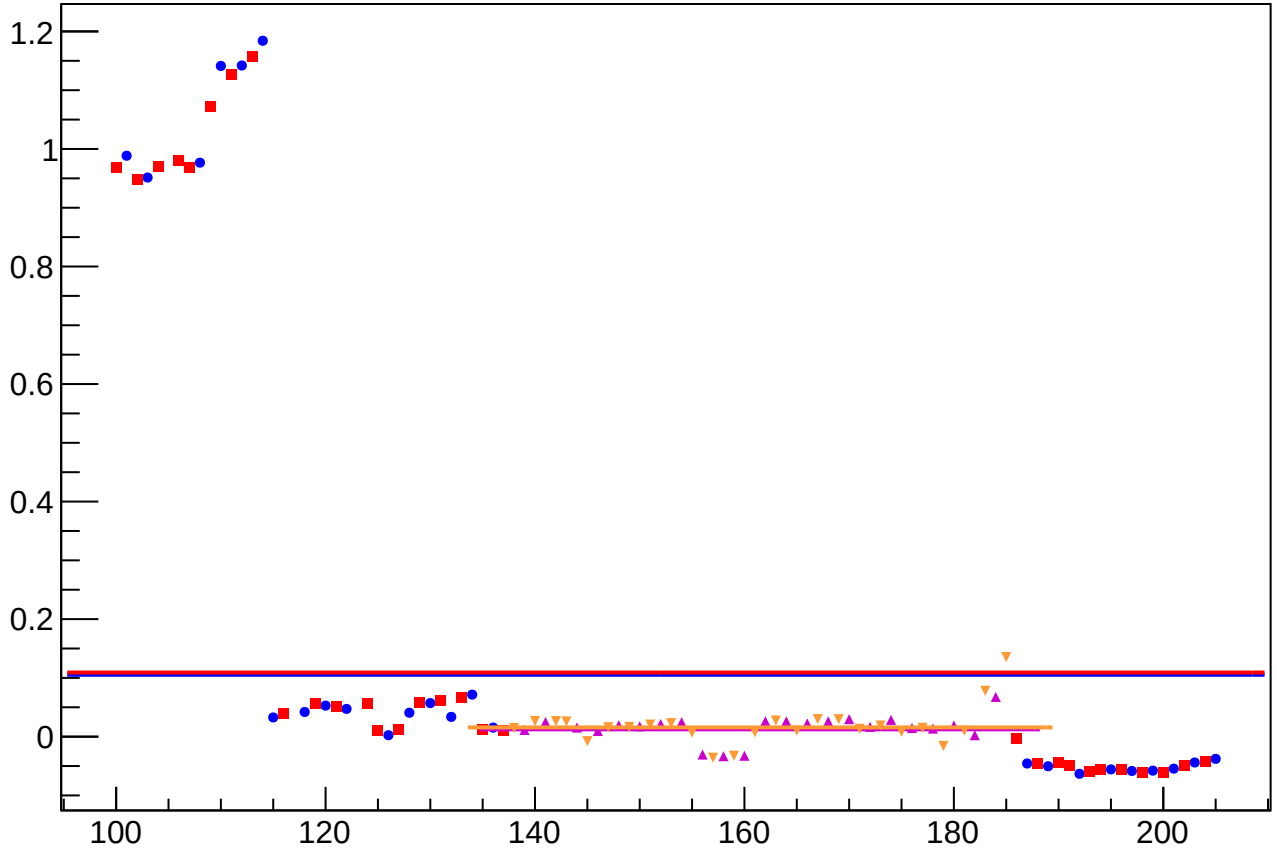
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.020+/-0.000 χ^2/NDF: 8816864.4/49

All: 0.020+/-0.000 χ^2/NDF: 18962197.2/102

- sign 0.020+/-0.000 χ^2/NDF: 10109714.5/52

yield_bpm4ecY_mean vs Slug



Right In: 0.105+/-0.000 χ^2/NDF: 8213940353.5/24

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.109+/-0.000 χ^2/NDF: 9007742423.3/29

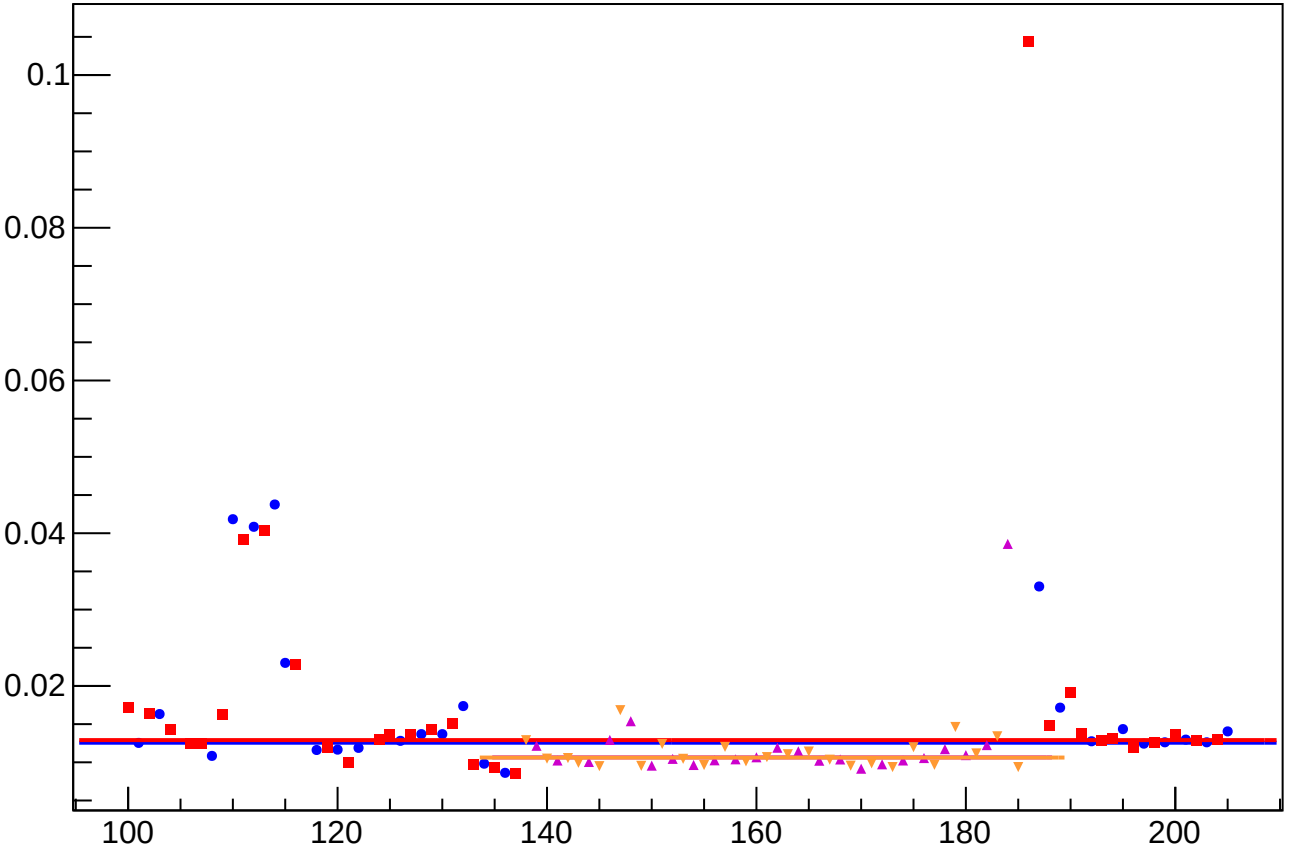
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.045+/-0.000 χ^2/NDF: 8739417043.0/49

All: 0.046+/-0.000 χ^2/NDF: 18295347387.9/1

- sign 0.046+/-0.000 χ^2/NDF: 9555859428.6/52

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1751412.8/24

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

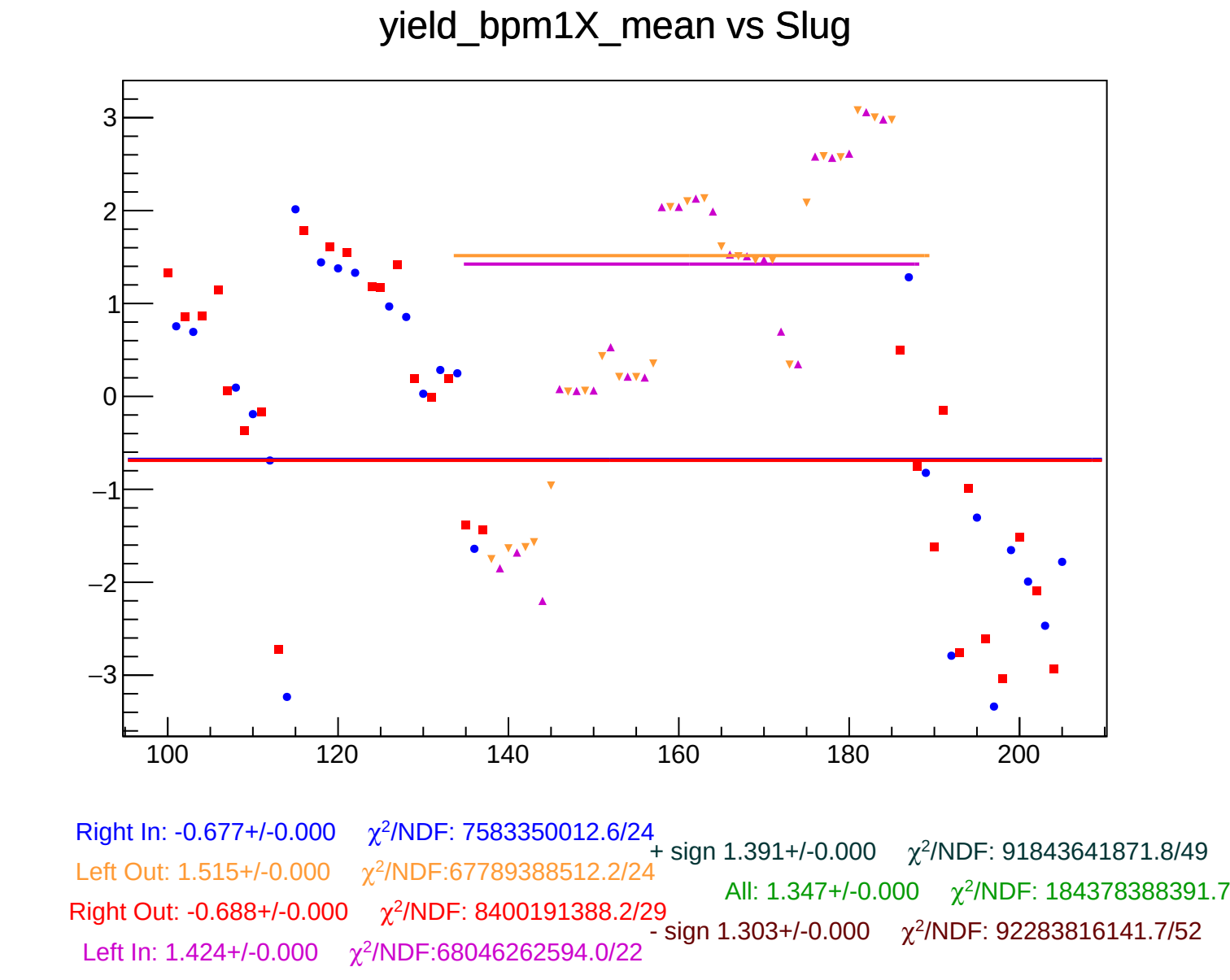
Right Out: 0.013+/-0.000 χ^2/NDF: 2109616.5/29

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

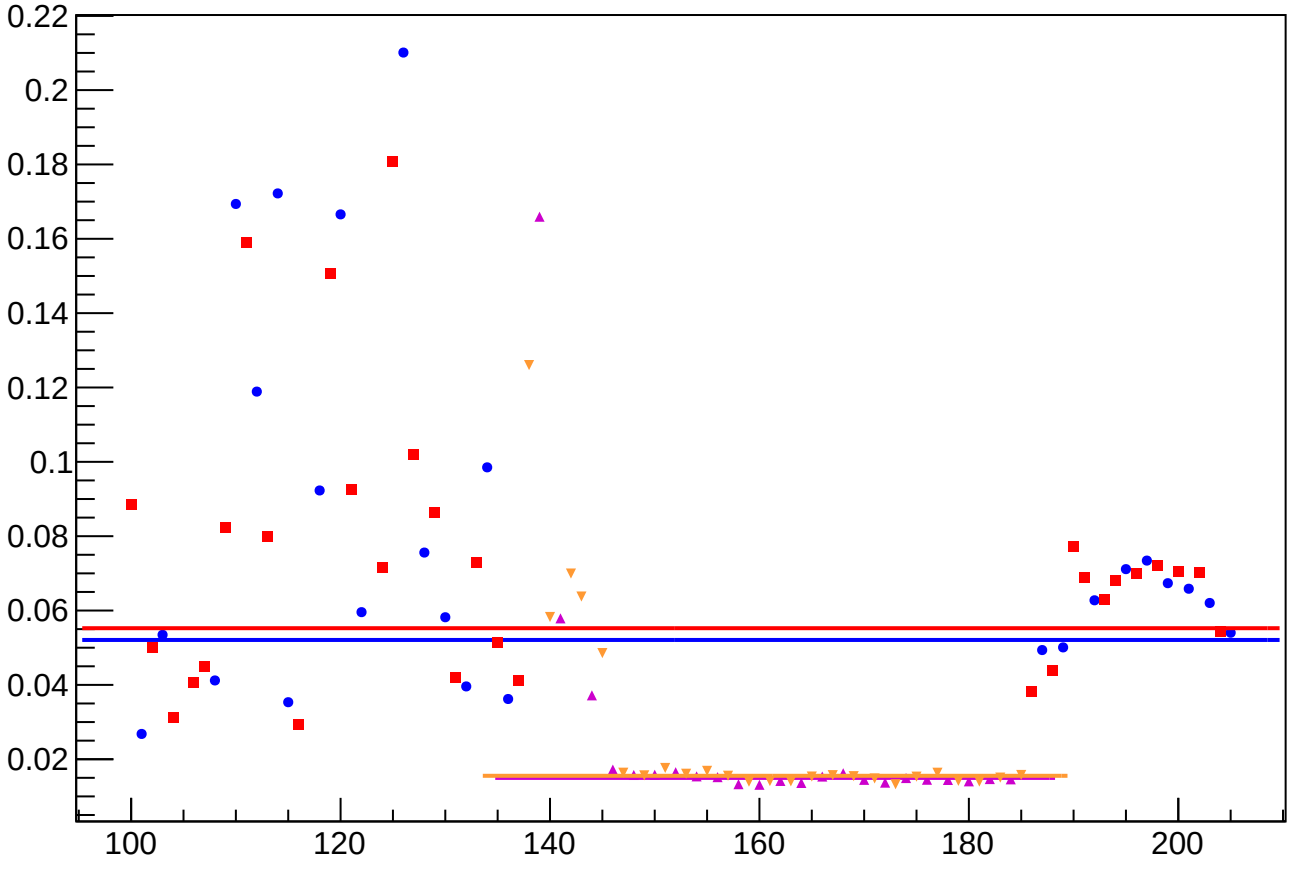
+ sign 0.011+/-0.000 χ^2/NDF: 2770068.7/49

All: 0.011+/-0.000 χ^2/NDF: 5996139.0/102

- sign 0.011+/-0.000 χ^2/NDF: 3219650.4/52


yield_bpm1X_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.677+/-0.000 χ²/NDF: 7583350012.6/24
Left Out: 1.515+/-0.000 χ²/NDF:67789388512.2/24
Right Out: -0.688+/-0.000 χ²/NDF: 8400191388.2/29
Left In: 1.424+/-0.000 χ²/NDF:68046262594.0/22
+ sign 1.391+/-0.000 χ²/NDF: 91843641871.8/49
All: 1.347+/-0.000 χ²/NDF: 184378388391.7
- sign 1.303+/-0.000 χ²/NDF: 92283816141.7/52

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3553094.1/24

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

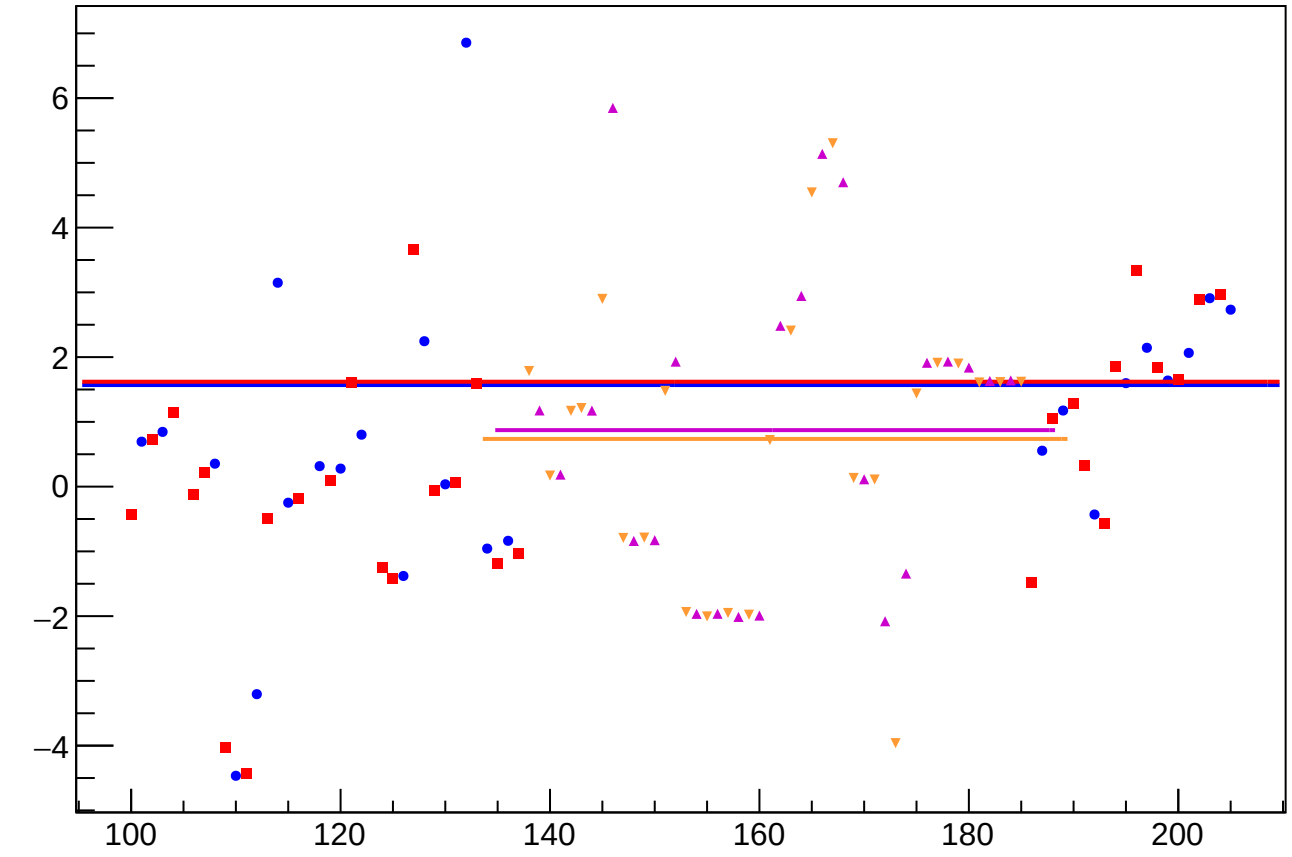
Right Out: 0.055+/-0.000 χ^2/NDF: 3141374.5/29

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.018+/-0.000 χ^2/NDF: 15687657.2/49

All: 0.017+/-0.000 χ^2/NDF: 32530910.3/102

- sign 0.017+/-0.000 χ^2/NDF: 16835965.2/52



Right In: 1.569+/-0.000 χ^2/NDF: 32114776628.7/24

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.620+/-0.000 χ^2/NDF: 35819622376.1/29

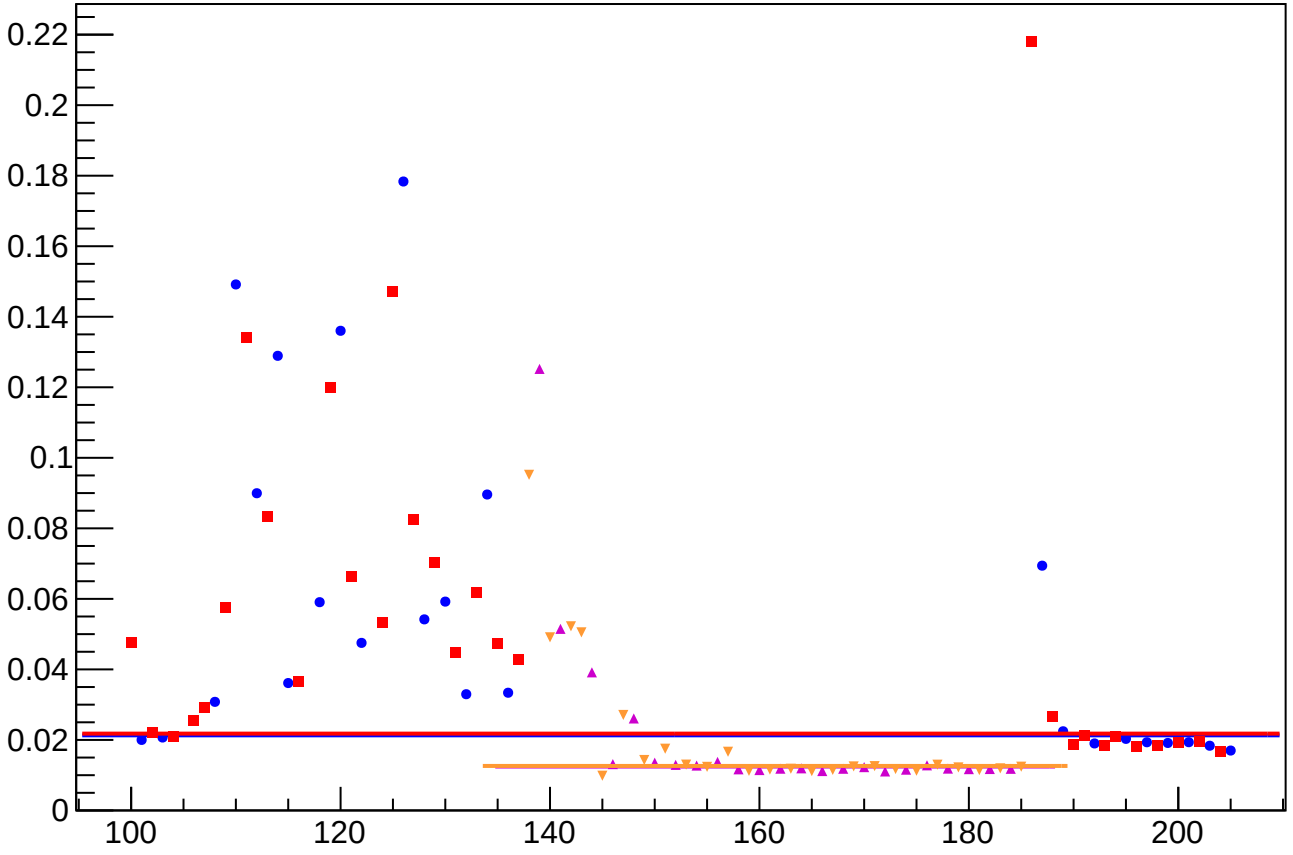
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.876+/-0.000 χ^2/NDF: 579631245673.7/49

All: 0.941+/-0.000 χ^2/NDF: 1246383204587.

- sign 1.005+/-0.000 χ^2/NDF: 665768707551.1/52

yield_bpm1Y_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 4139941.7/24

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.022+/-0.000 χ^2/NDF: 5223186.1/29

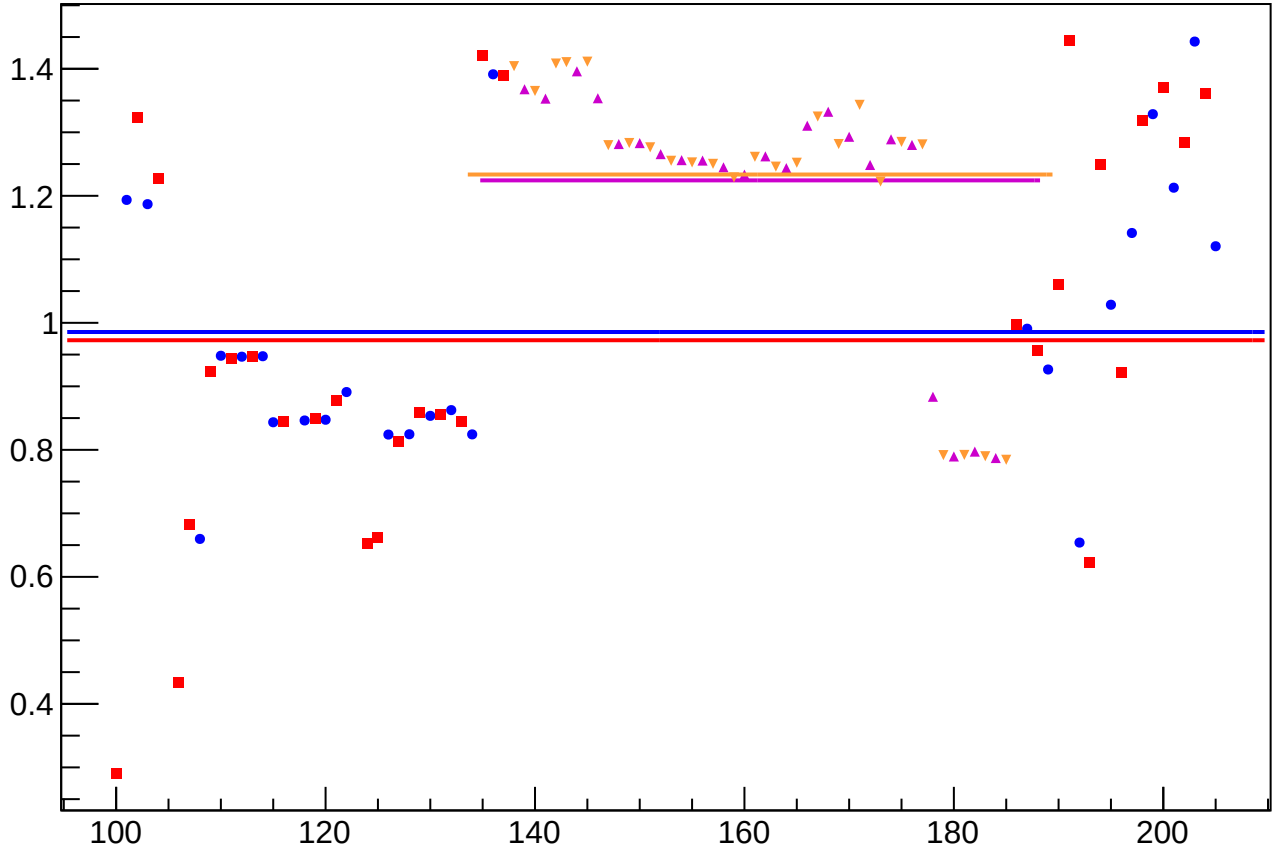
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9846892.8/49

All: 0.014+/-0.000 χ^2/NDF: 20875163.9/102

- sign 0.014+/-0.000 χ^2/NDF: 11028207.2/52

yield_bpm11X_mean vs Slug



Right In: 0.986+/-0.000 χ^2/NDF: 1861570441.6/24

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.973+/-0.000 χ^2/NDF: 2269802028.2/29

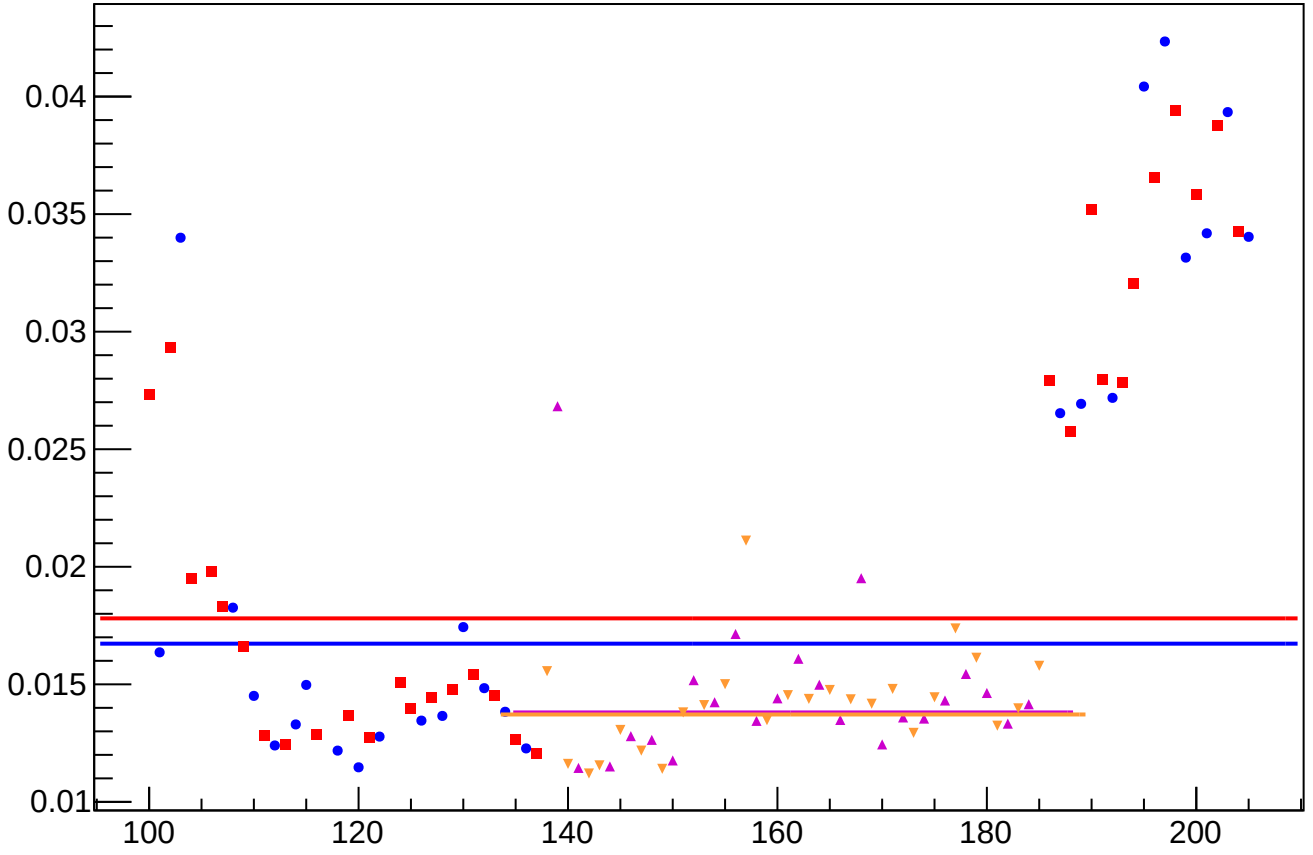
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.160+/-0.000 χ^2/NDF: 6553201835.0/49

All: 1.154+/-0.000 χ^2/NDF: 13144218692.7/1

- sign 1.147+/-0.000 χ^2/NDF: 6580771315.1/52

yield_bpm11X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 4456329.6/24

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

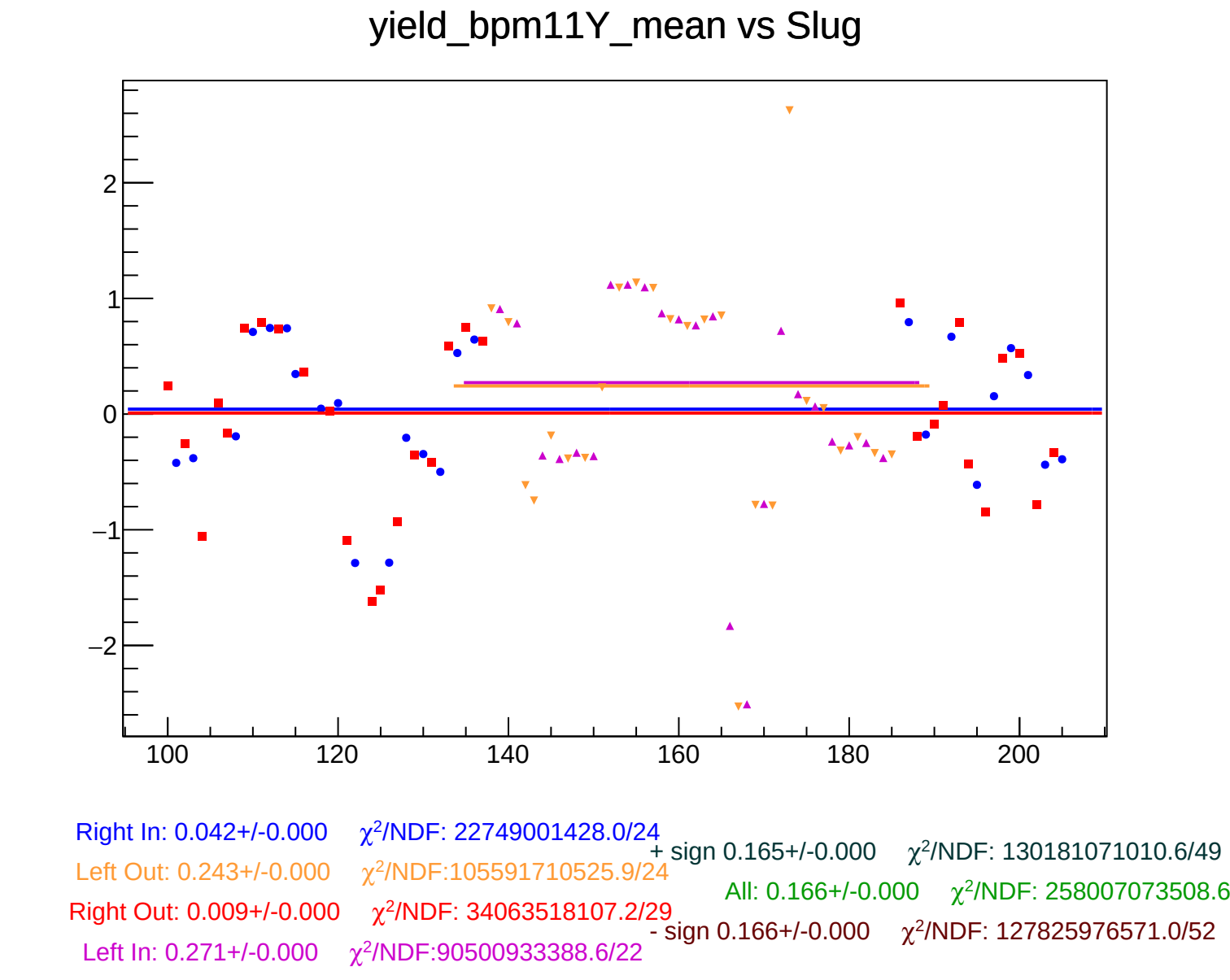
Right Out: 0.018+/-0.000 χ^2/NDF: 4375826.4/29

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

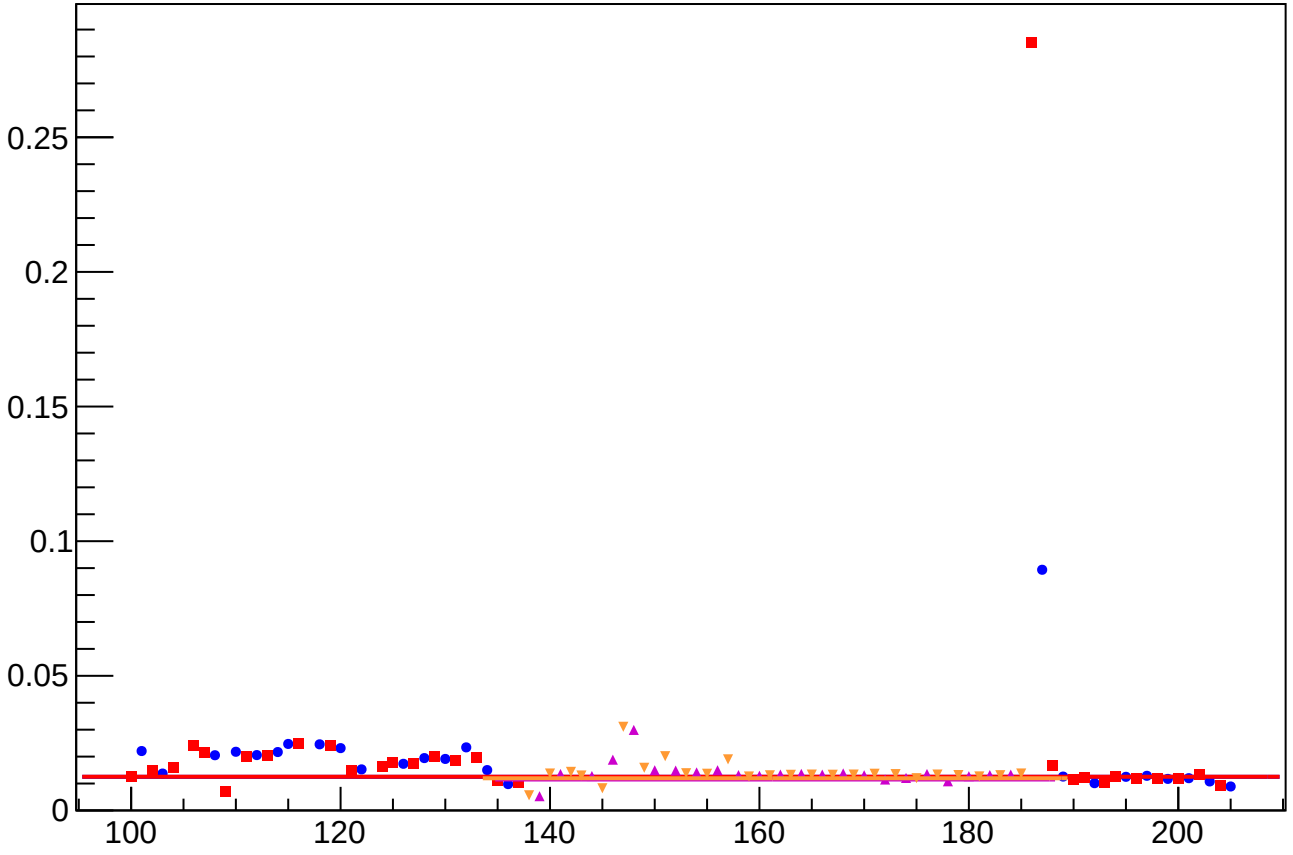
+ sign 0.015+/-0.000 χ^2/NDF: 5493280.1/49

All: 0.015+/-0.000 χ^2/NDF: 11598509.9/102

- sign 0.015+/-0.000 χ^2/NDF: 6083144.0/52


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.042+/-0.000 χ²/NDF: 22749001428.0/24
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.009+/-0.000 χ²/NDF: 34063518107.2/29
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.165+/-0.000 χ²/NDF: 130181071010.6/49
All: 0.166+/-0.000 χ²/NDF: 258007073508.6
- sign 0.166+/-0.000 χ²/NDF: 127825976571.0/52

yield_bpm11Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2422000.1/24

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2862027.4/29

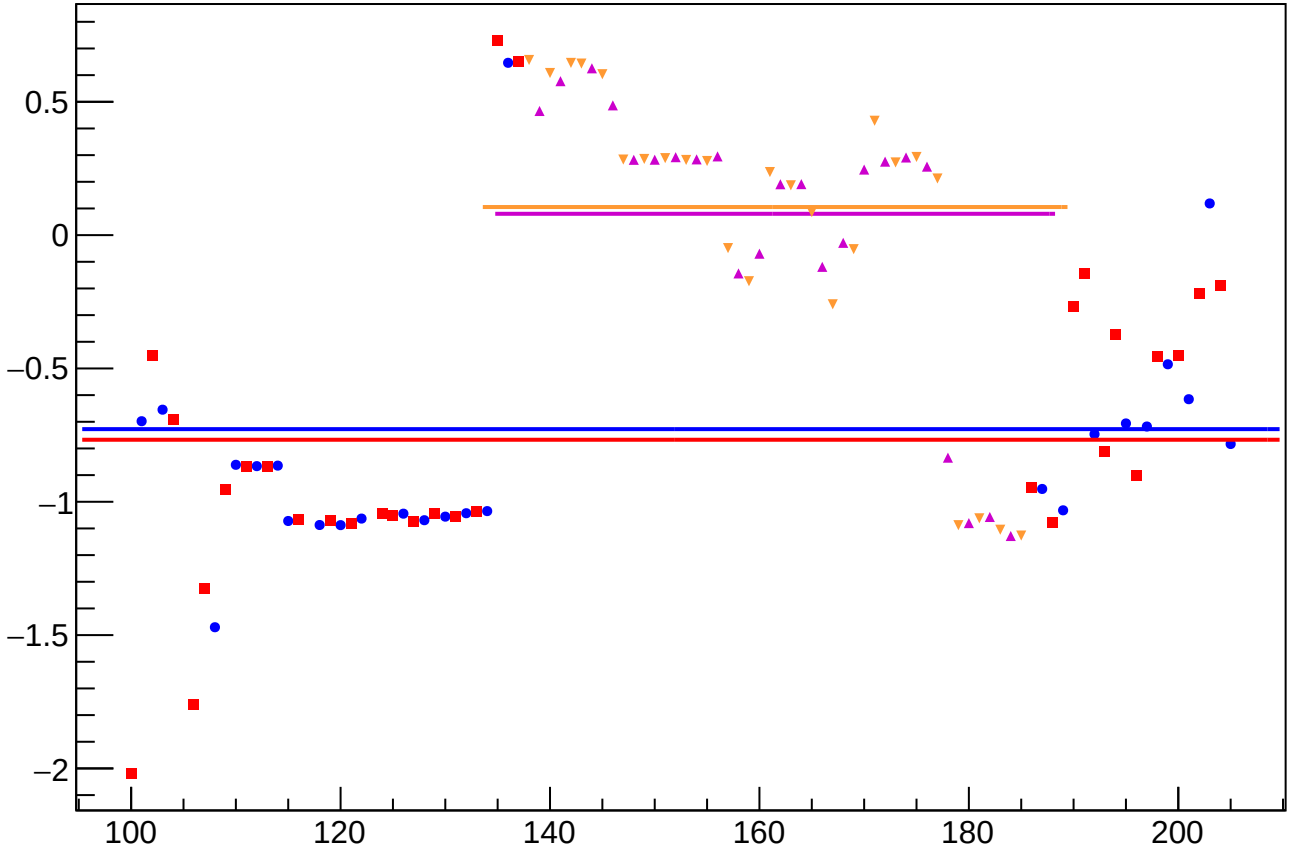
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5714143.0/49

All: 0.012+/-0.000 χ^2/NDF: 12361176.3/102

- sign 0.012+/-0.000 χ^2/NDF: 6634627.0/52

yield_bpm12X_mean vs Slug



Right In: -0.728+/-0.000 χ^2/NDF: 2162474262.1/24

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.767+/-0.000 χ^2/NDF: 2069092521.3/29

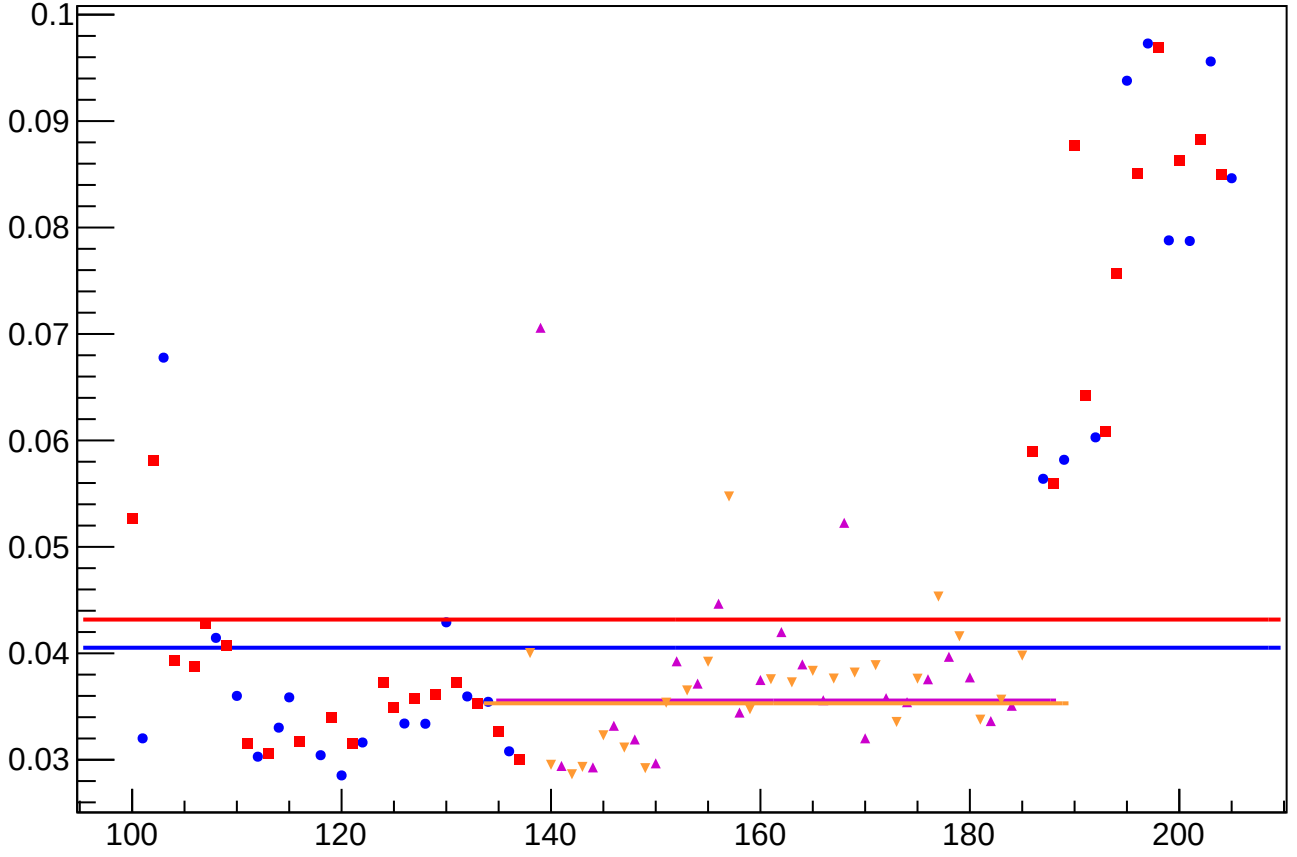
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.170+/-0.000 χ^2/NDF: 9041282923.1/49

All: -0.188+/-0.000 χ^2/NDF: 17499875675.2/

- sign -0.208+/-0.000 χ^2/NDF: 8444112689.7/52

yield_bpm12X_rms vs Slug



Right In: 0.041+/-0.000 χ^2/NDF: 4049290.0/24

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.043+/-0.000 χ^2/NDF: 3842419.4/29

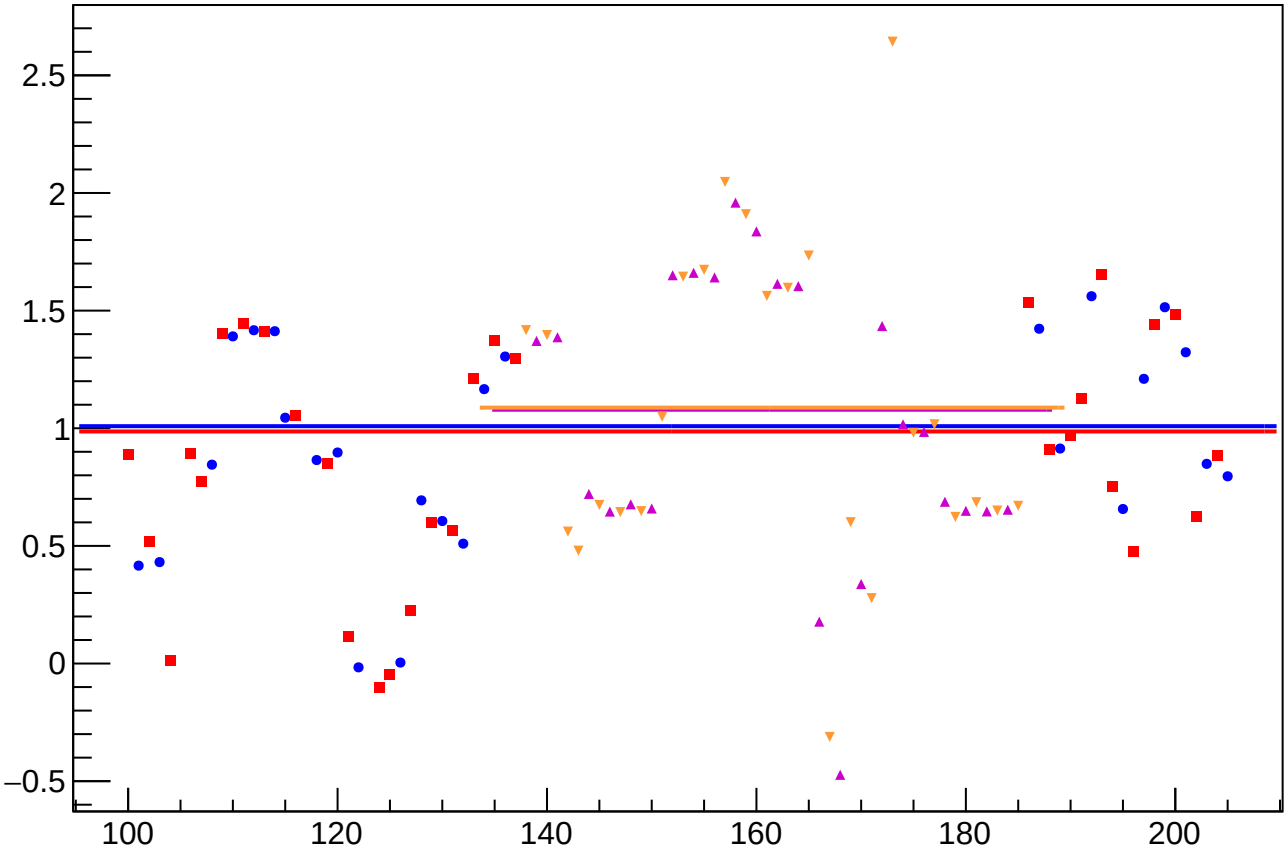
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.037+/-0.000 χ^2/NDF: 4904987.6/49

All: 0.038+/-0.000 χ^2/NDF: 10233350.8/102

- sign 0.038+/-0.000 χ^2/NDF: 5303590.7/52

yield_bpm12Y_mean vs Slug



Right In: 1.009+/-0.000 χ^2/NDF: 27052447685.0/24

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.986+/-0.000 χ^2/NDF: 34946887366.8/29

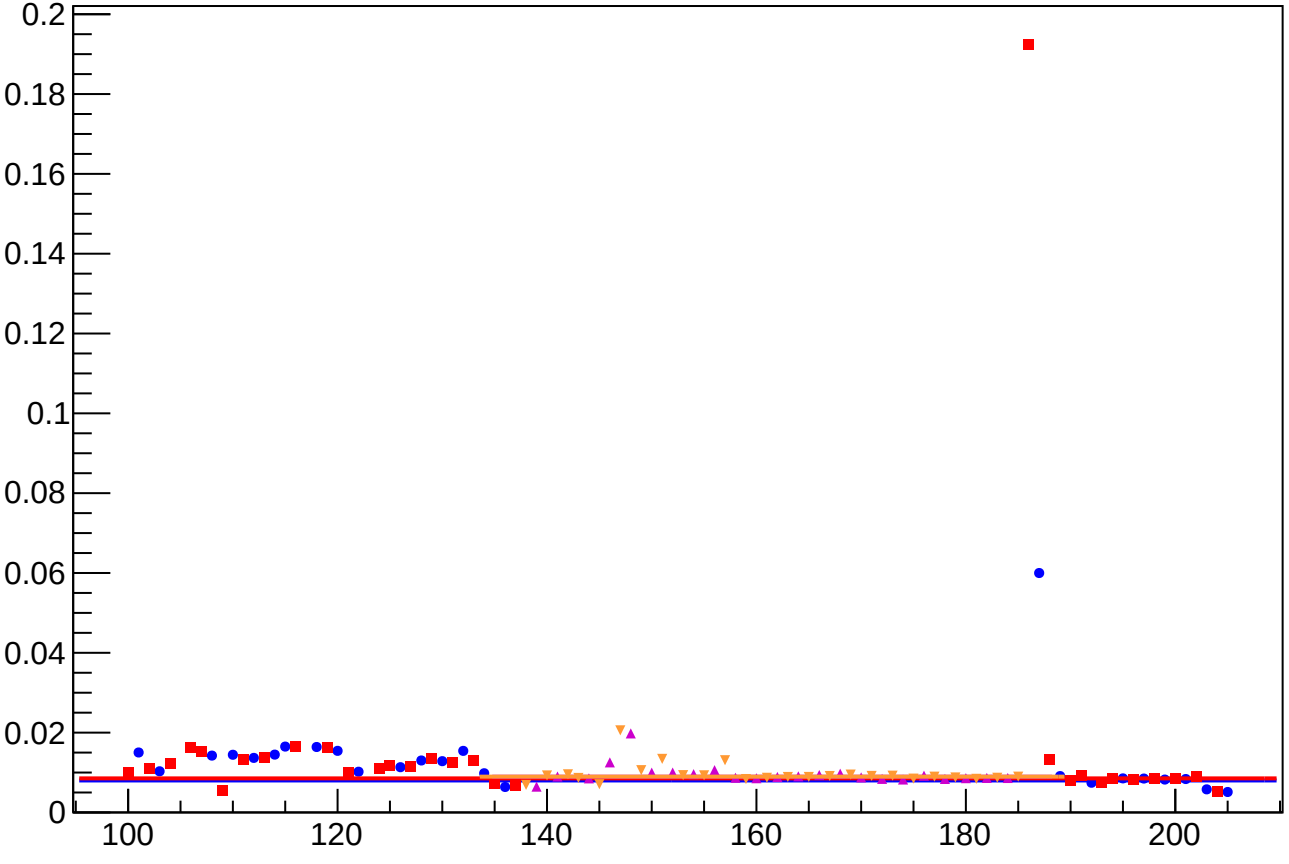
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.053+/-0.000 χ^2/NDF: 121522093484.7/49

All: 1.045+/-0.000 χ^2/NDF: 231405525080.7

- sign 1.037+/-0.000 χ^2/NDF: 109837023163.9/52

yield_bpm12Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3028252.0/24

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 3156268.0/29

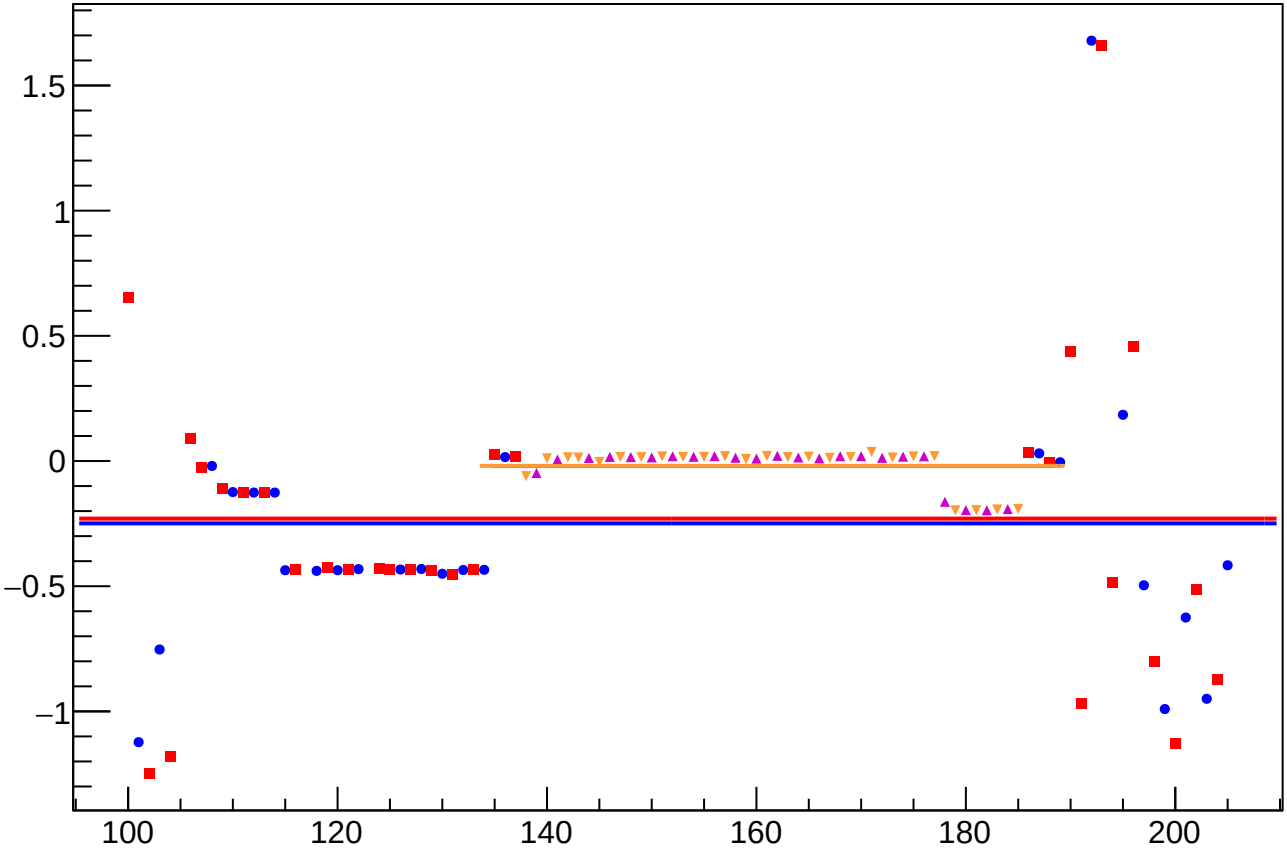
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 4357052.7/49

All: 0.009+/-0.000 χ^2/NDF: 8530387.3/102

- sign 0.009+/-0.000 χ^2/NDF: 4155133.6/52

yield_bpm16X_mean vs Slug



Right In: -0.249+/-0.000 χ^2/NDF: 3307727561.5/24

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.230+/-0.000 χ^2/NDF: 3051486290.1/29

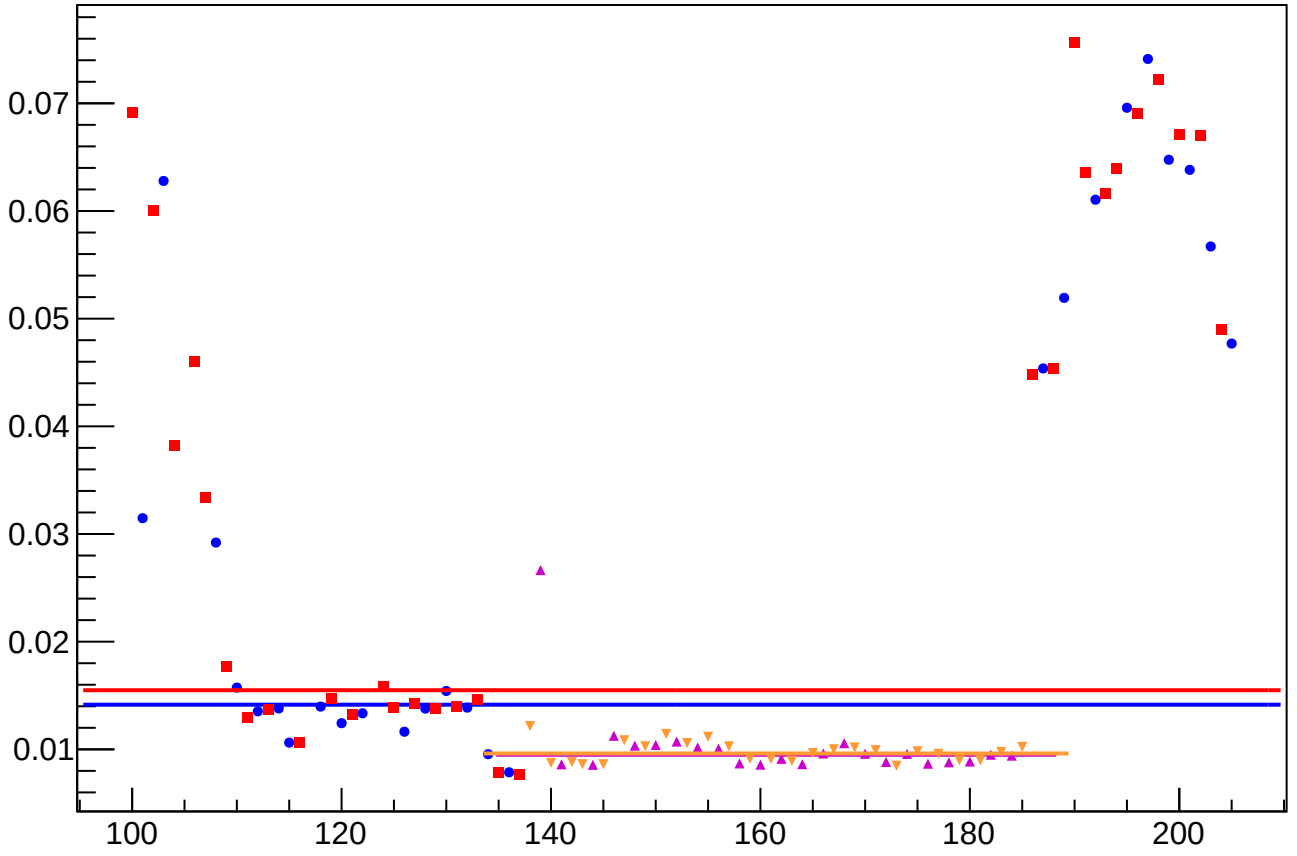
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.059+/-0.000 χ^2/NDF: 5994924942.7/49

All: -0.057+/-0.000 χ^2/NDF: 11277831338.0/

- sign -0.055+/-0.000 χ^2/NDF: 5281191866.5/52

yield_bpm16X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9922413.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 11136439.6/29

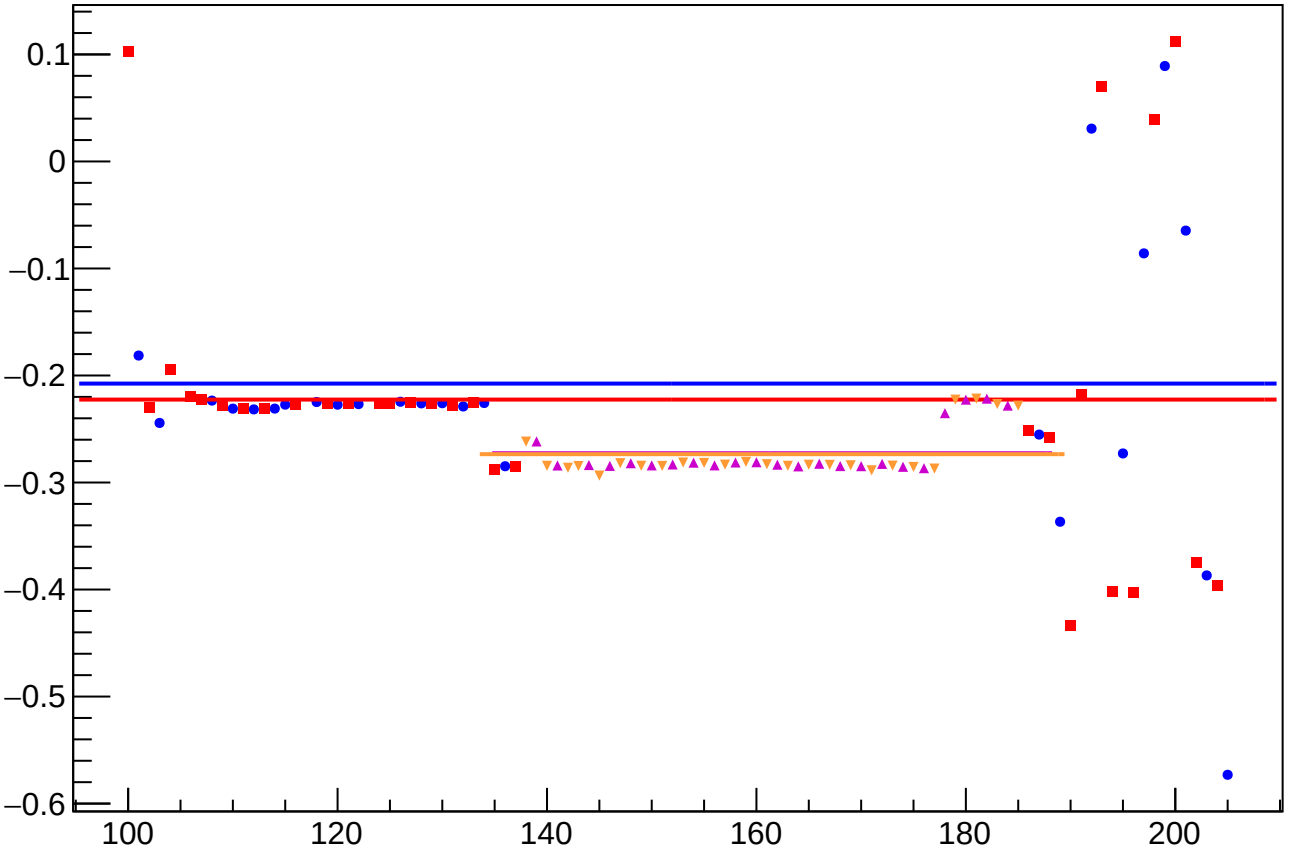
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 11461607.4/49

All: 0.010+/-0.000 χ^2/NDF: 25531414.6/102

- sign 0.011+/-0.000 χ^2/NDF: 14067829.8/52

yield_bpm16Y_mean vs Slug



Right In: -0.208+/-0.000 χ^2/NDF: 8140462269.1/24

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.222+/-0.000 χ^2/NDF: 9254651959.2/29

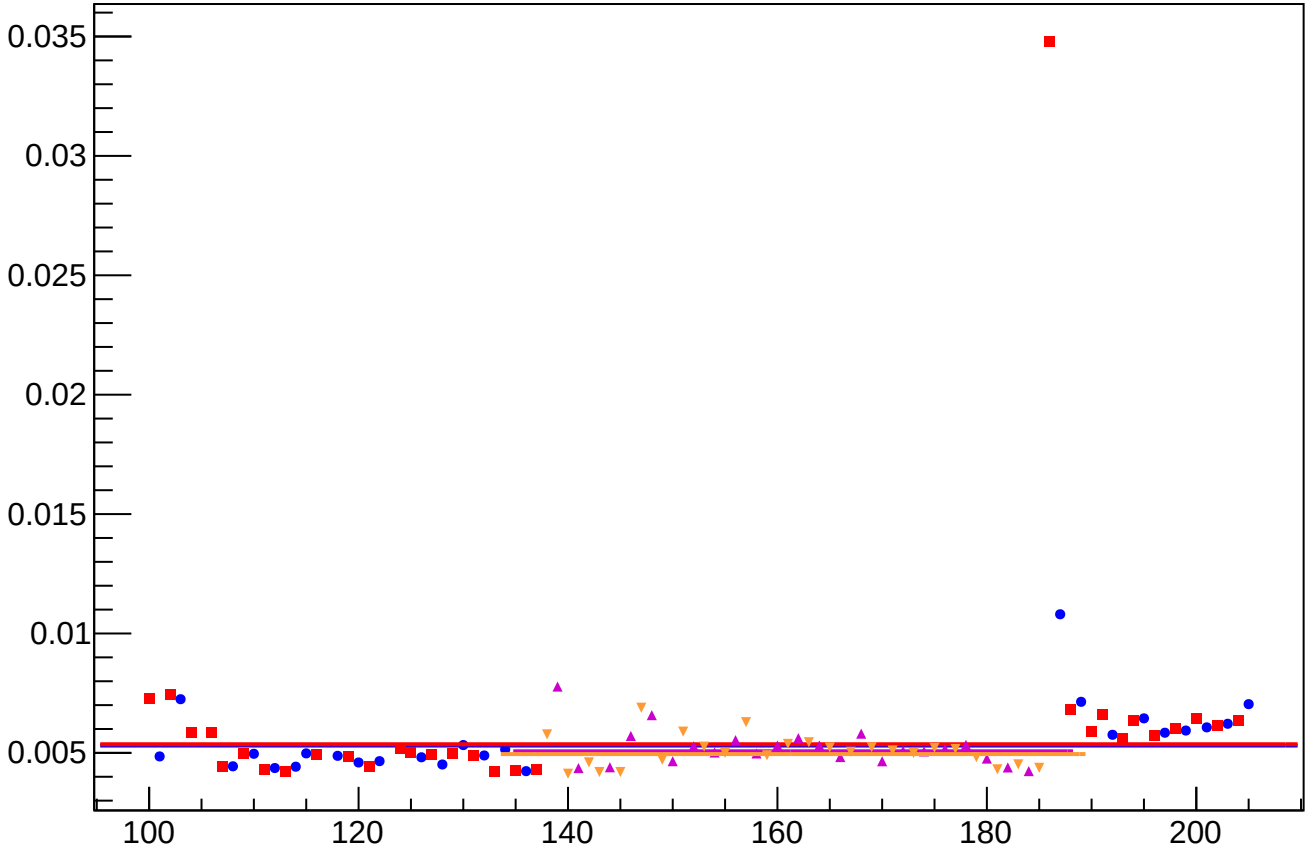
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.249+/-0.000 χ^2/NDF: 9750402329.1/49

All: -0.250+/-0.000 χ^2/NDF: 20046587109.2/

- sign -0.252+/-0.000 χ^2/NDF: 10290473903.5/52

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 770144.4/24

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1314196.7/29

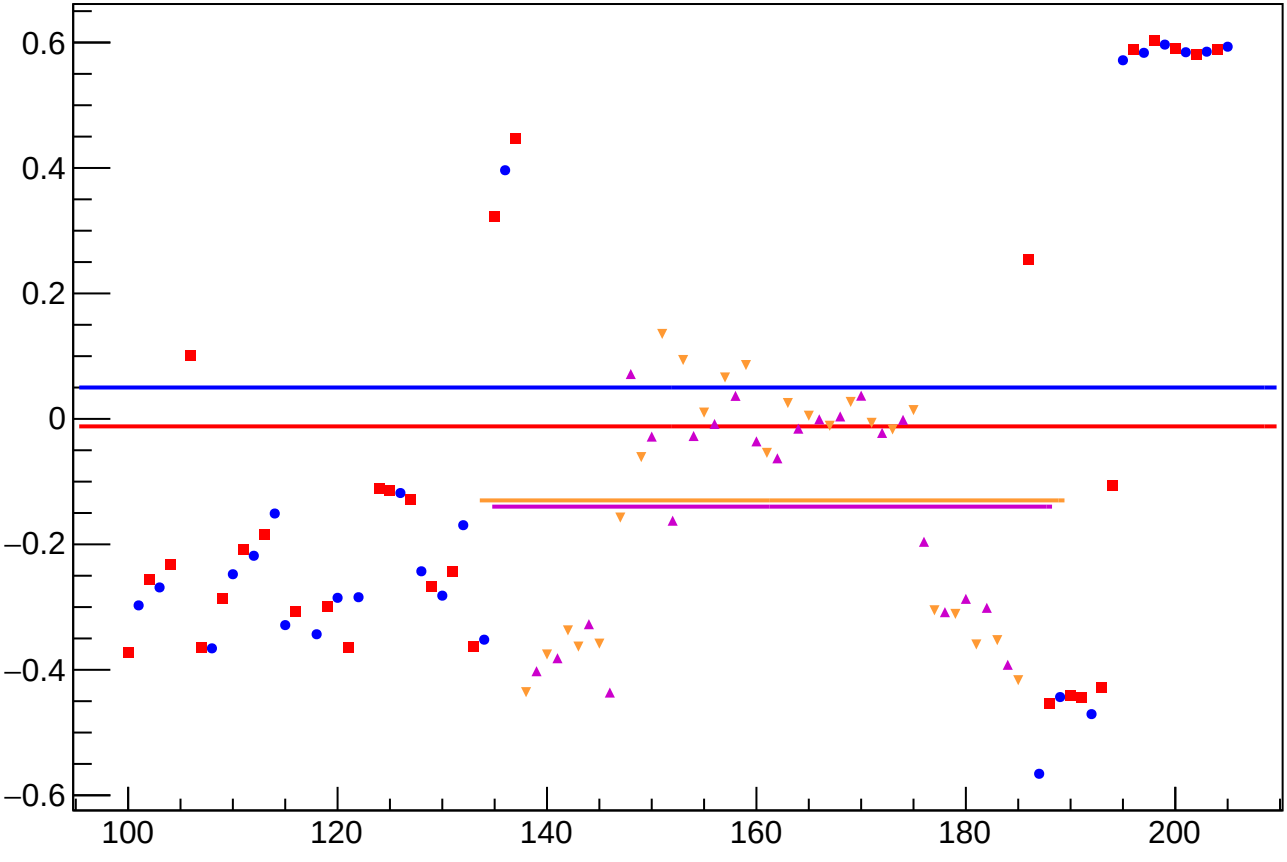
Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1370373.2/49

All: 0.005+/-0.000 χ^2/NDF: 3285114.7/102

- sign 0.005+/-0.000 χ^2/NDF: 1902074.8/52

yield_bpm0i02X_mean vs Slug



Right In: 0.050+/-0.000 χ^2/NDF: 55851680245.0/24

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.012+/-0.000 χ^2/NDF: 52236834769.5/29

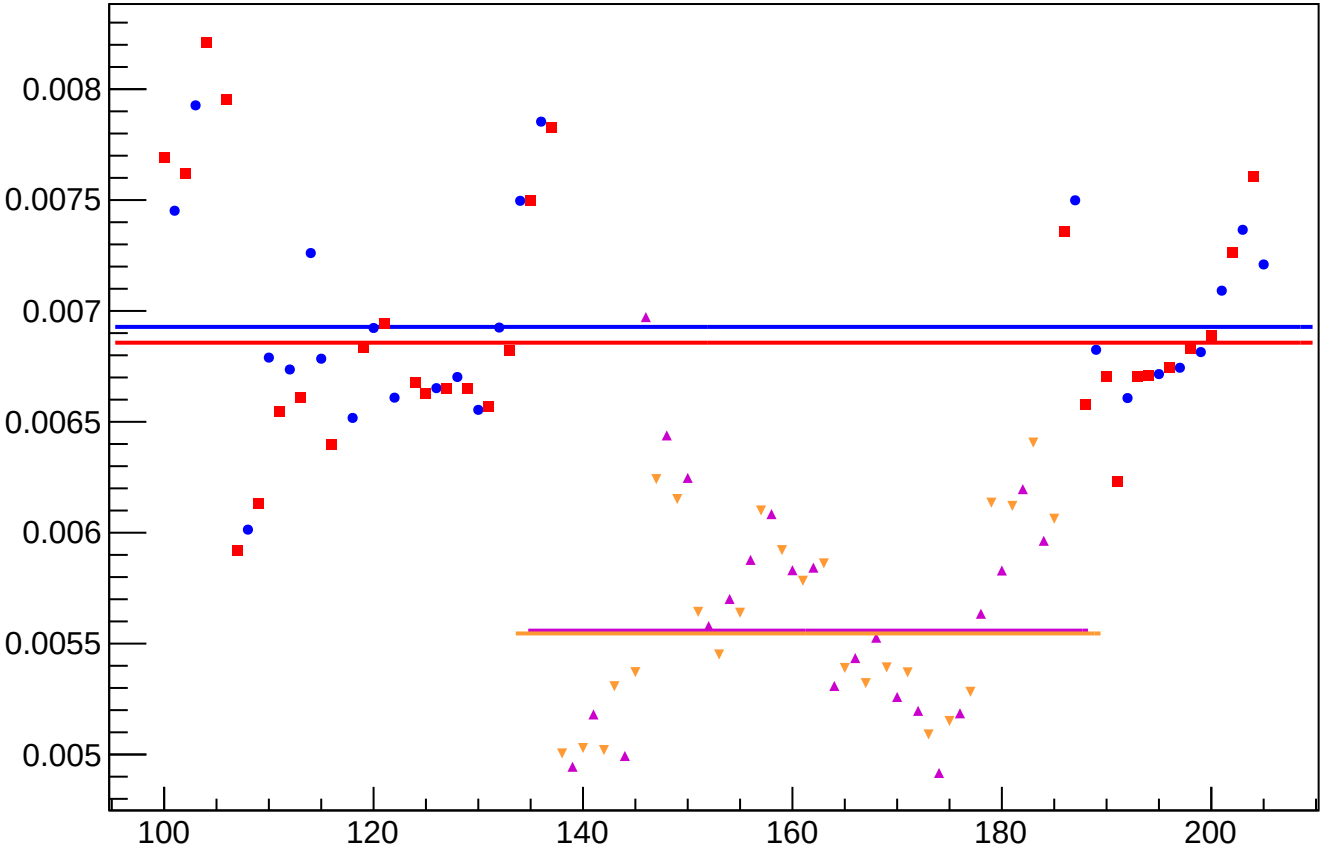
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.071+/-0.000 χ^2/NDF: 83637776061.7/49

All: -0.082+/-0.000 χ^2/NDF: 154567276687.4

- sign -0.093+/-0.000 χ^2/NDF: 70717281784.0/52

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 105158.4/24

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

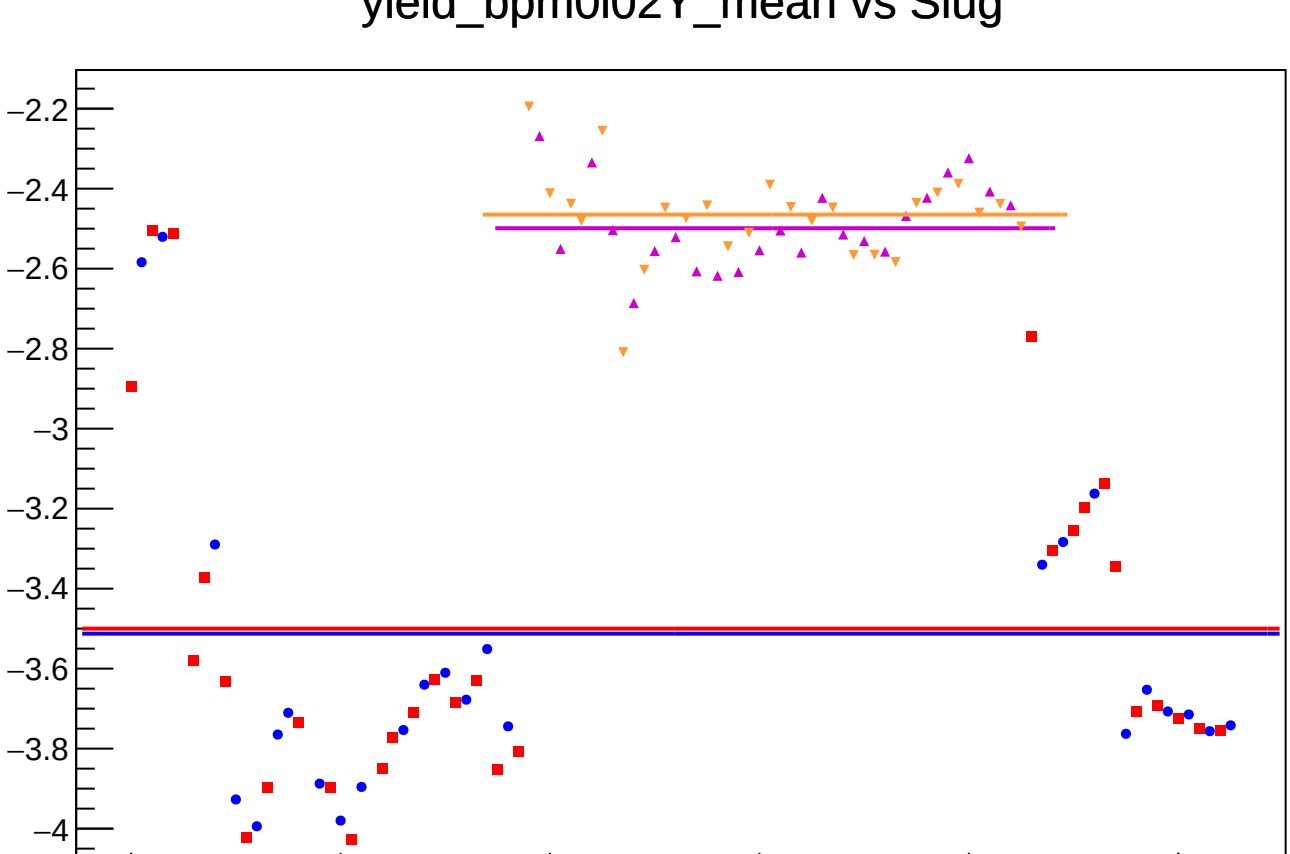
Right Out: 0.007+/-0.000 χ^2/NDF: 136163.7/29

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1048996.8/49

All: 0.006+/-0.000 χ^2/NDF: 2133563.4/102

- sign 0.006+/-0.000 χ^2/NDF: 1083448.0/52



Right In: -3.513+/-0.000 χ^2/NDF: 32484290743.2/24

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.500+/-0.000 χ^2/NDF: 34368372222.9/29

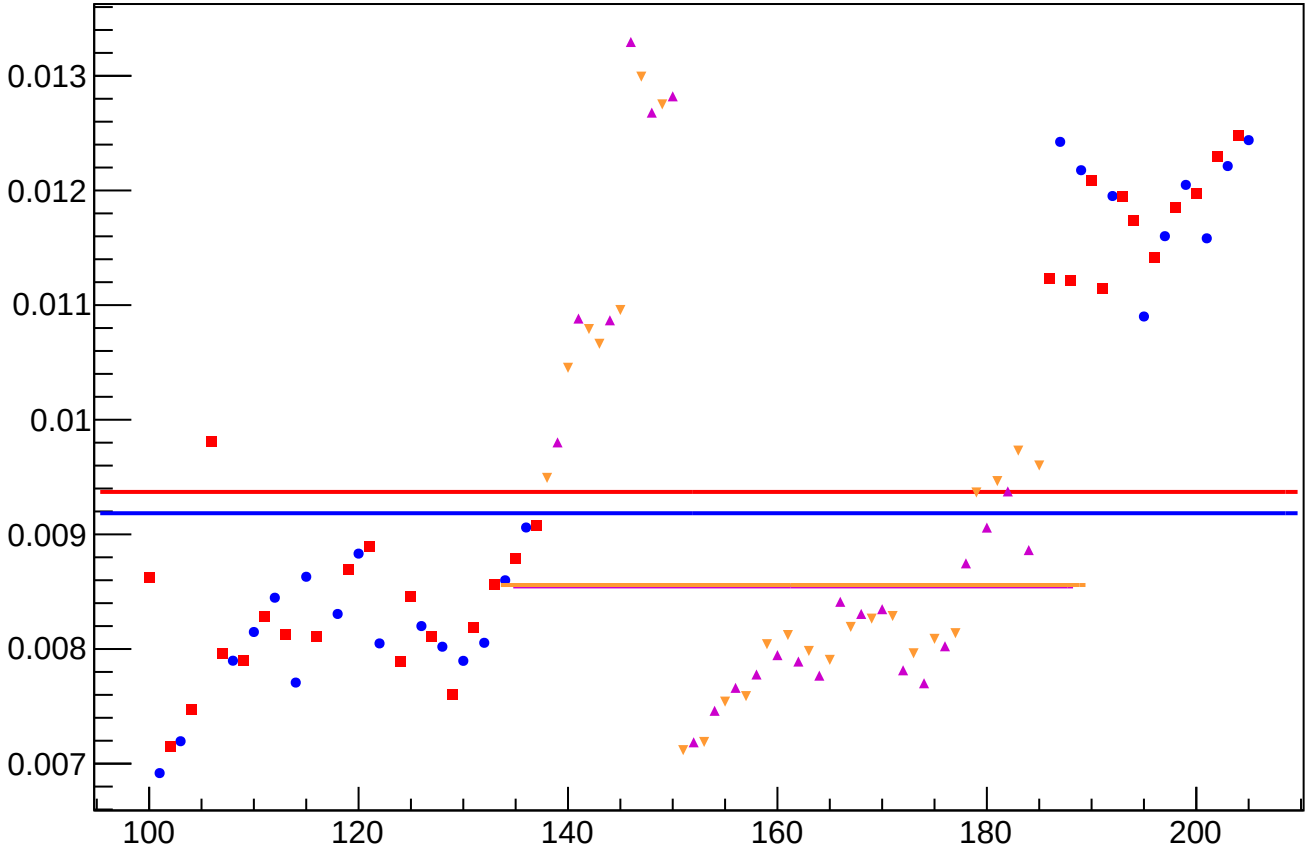
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.872+/-0.000 χ^2/NDF: 139861454472.5/49

All: -2.892+/-0.000 χ^2/NDF: 273536647299.2

- sign -2.912+/-0.000 χ^2/NDF: 133352857509.9/52

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1077833.3/24

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1086220.6/29

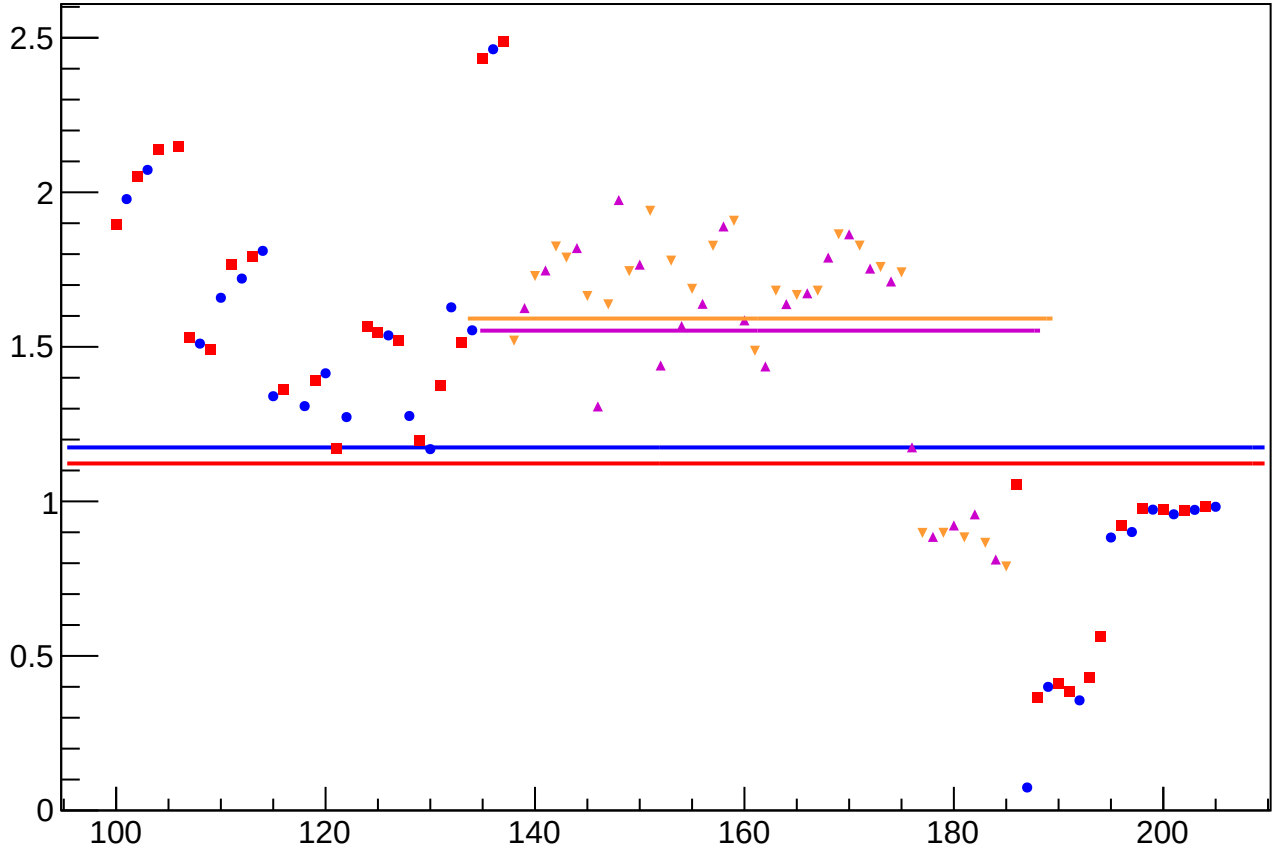
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1977042.8/49

All: 0.009+/-0.000 χ^2/NDF: 4108082.4/102

- sign 0.009+/-0.000 χ^2/NDF: 2128181.4/52

yield_bpm0i02aX_mean vs Slug



Right In: 1.175+/-0.000 χ^2/NDF: 29161578290.7/24

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.123+/-0.000 χ^2/NDF: 34317633615.7/29

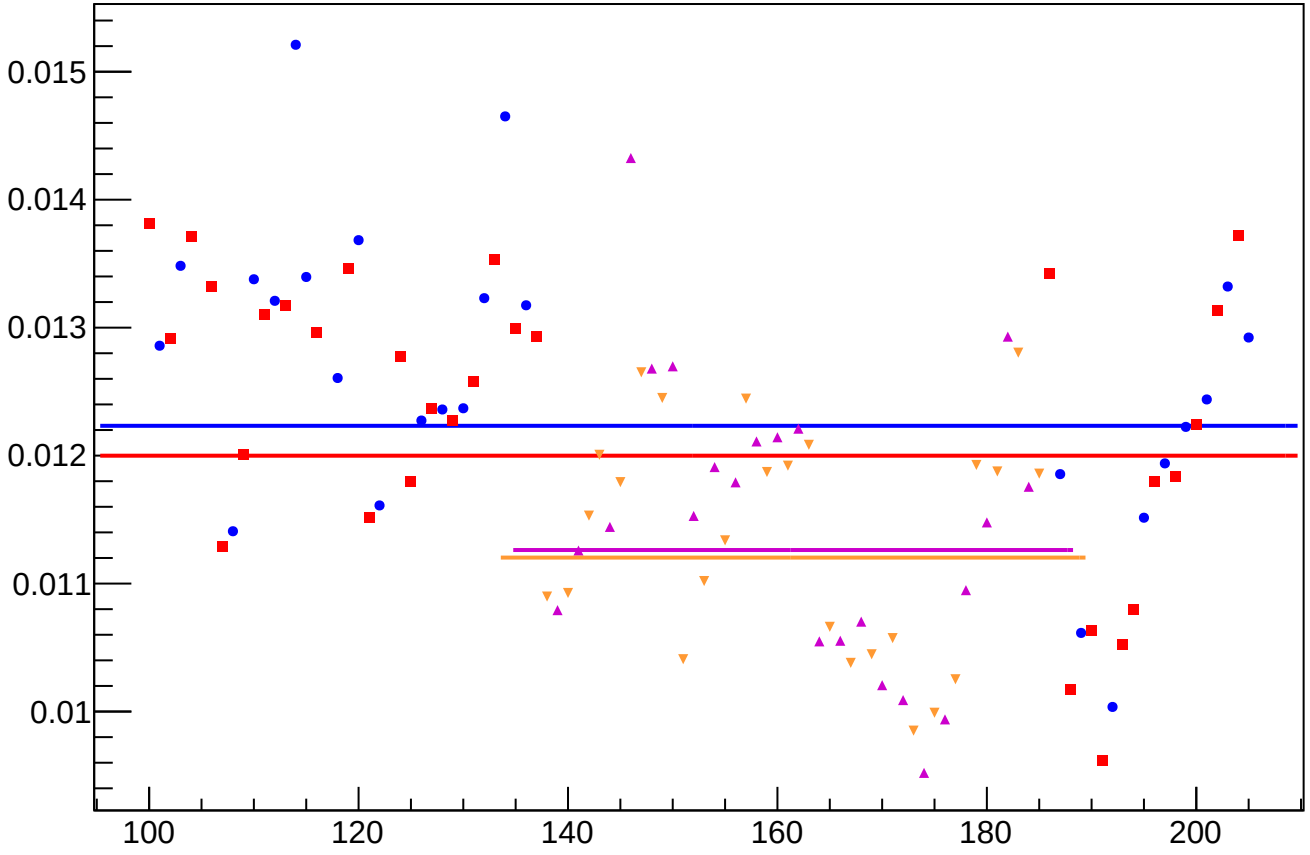
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.432+/-0.000 χ^2/NDF: 56047149704.1/49

All: 1.399+/-0.000 χ^2/NDF: 115793038135.9

- sign 1.367+/-0.000 χ^2/NDF: 59248531914.3/52

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 224363.0/24

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

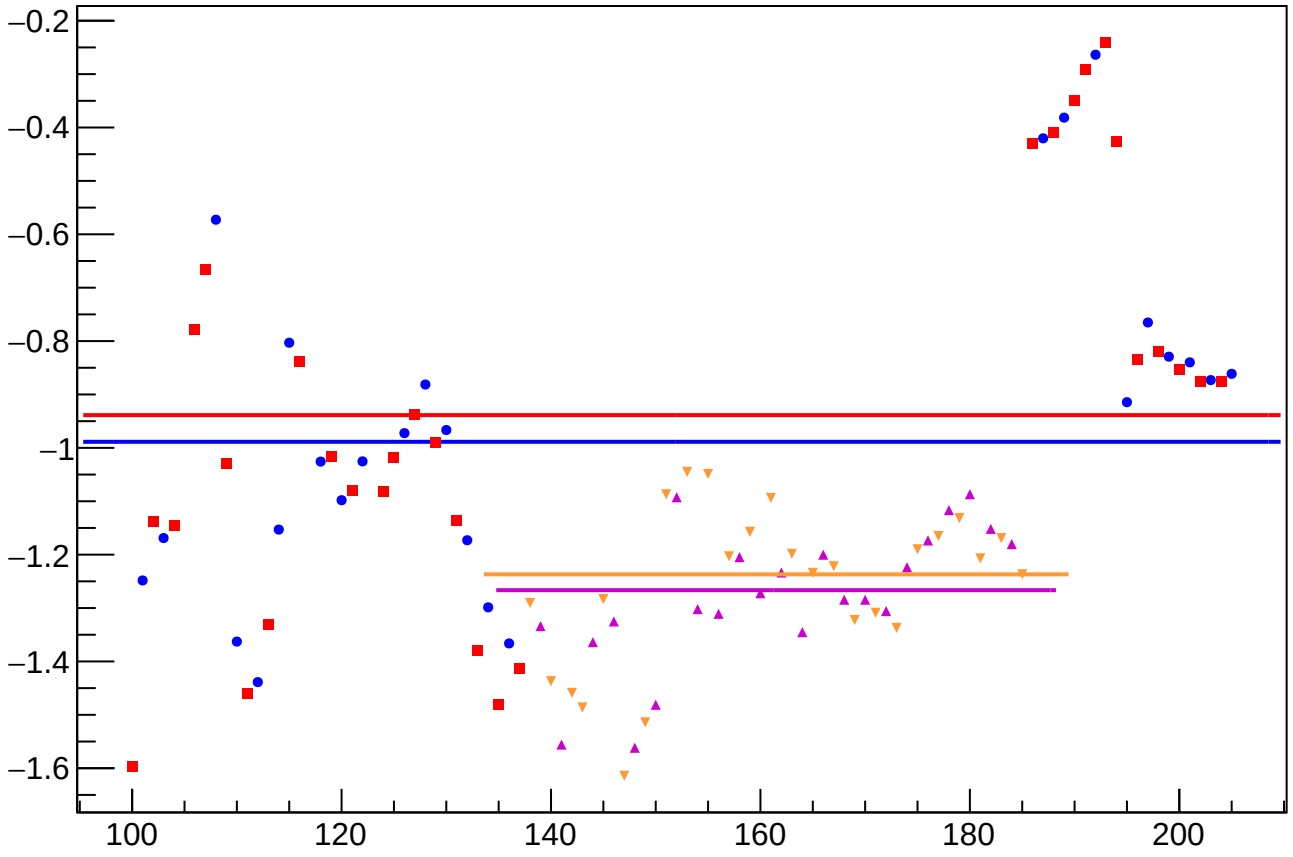
Right Out: 0.012+/-0.000 χ^2/NDF: 290029.0/29

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 567556.5/49

All: 0.012+/-0.000 χ^2/NDF: 1233306.8/102

- sign 0.012+/-0.000 χ^2/NDF: 665672.6/52



Right In: -0.989+/-0.000 χ^2/NDF: 11785472320.8/24

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

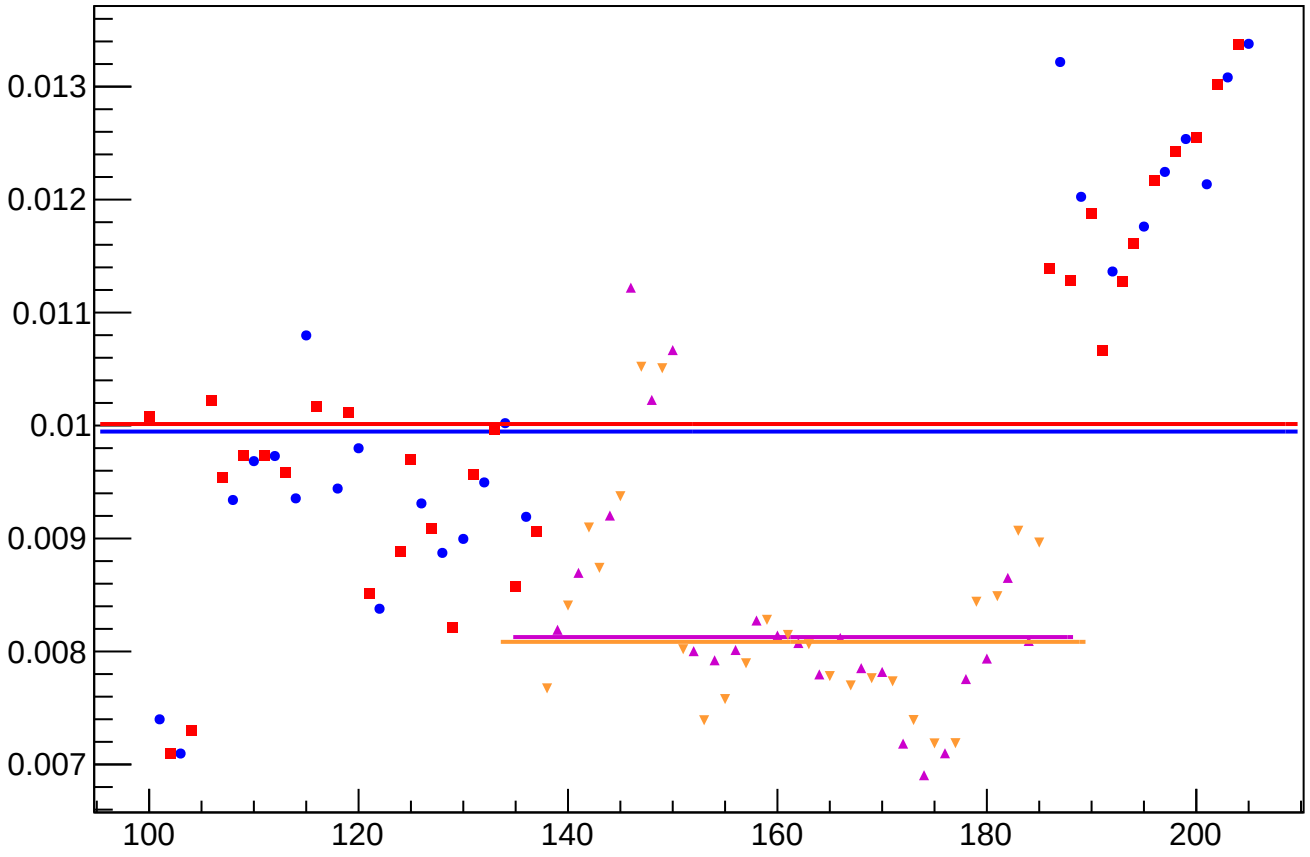
Right Out: -0.939+/-0.000 χ^2/NDF: 16598180050.9/29

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.156+/-0.000 χ^2/NDF: 22287973097.0/49

All: -1.153+/-0.000 χ^2/NDF: 52475718584.9/

- sign -1.150+/-0.000 χ^2/NDF: 30179612713.4/52



Right In: 0.010+/-0.000 χ^2/NDF: 929142.9/24

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

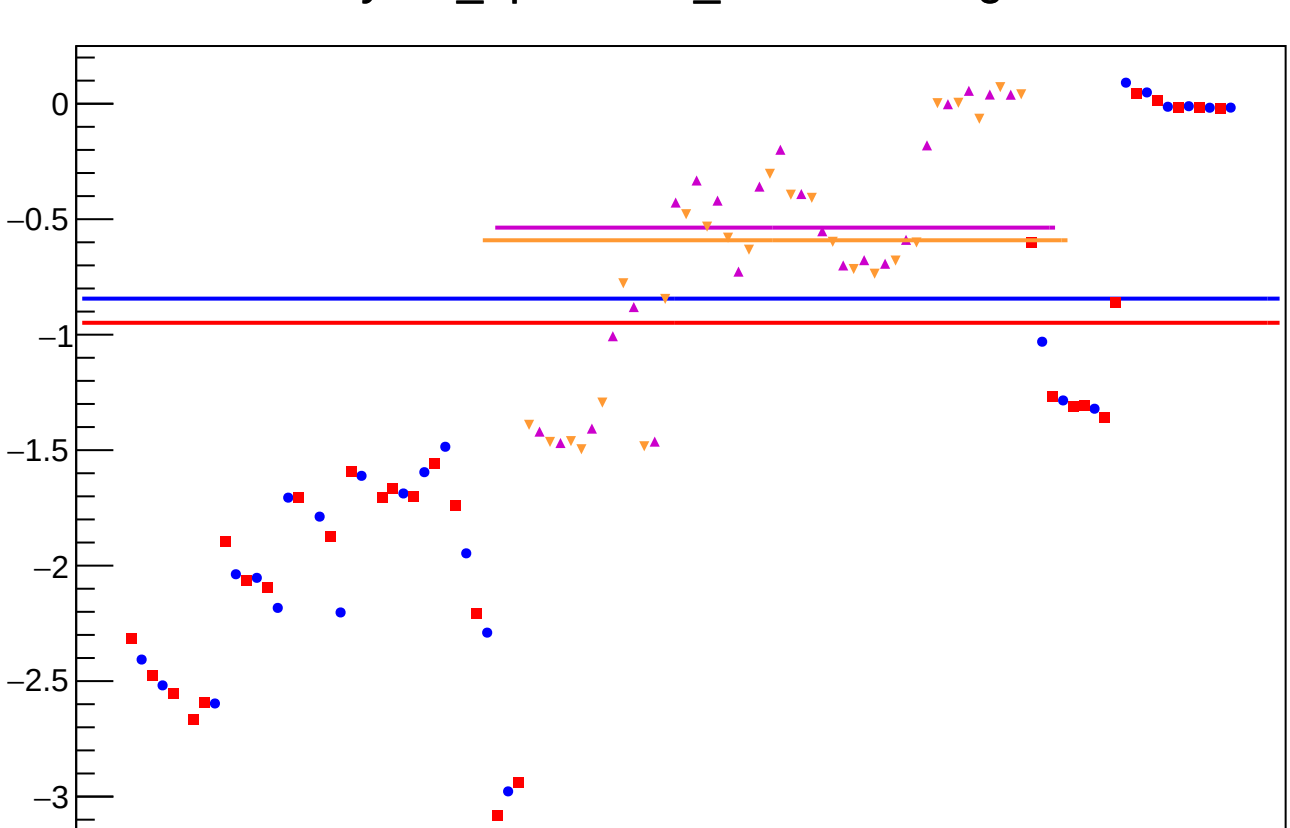
Right Out: 0.010+/-0.000 χ^2/NDF: 950705.5/29

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 1877993.0/49

All: 0.009+/-0.000 χ^2/NDF: 3897986.8/102

- sign 0.009+/-0.000 χ^2/NDF: 2015224.4/52



Right In: -0.844+/-0.000 χ^2/NDF: 337819324522.1/24

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.949+/-0.000 χ^2/NDF: 340531107915.8/29

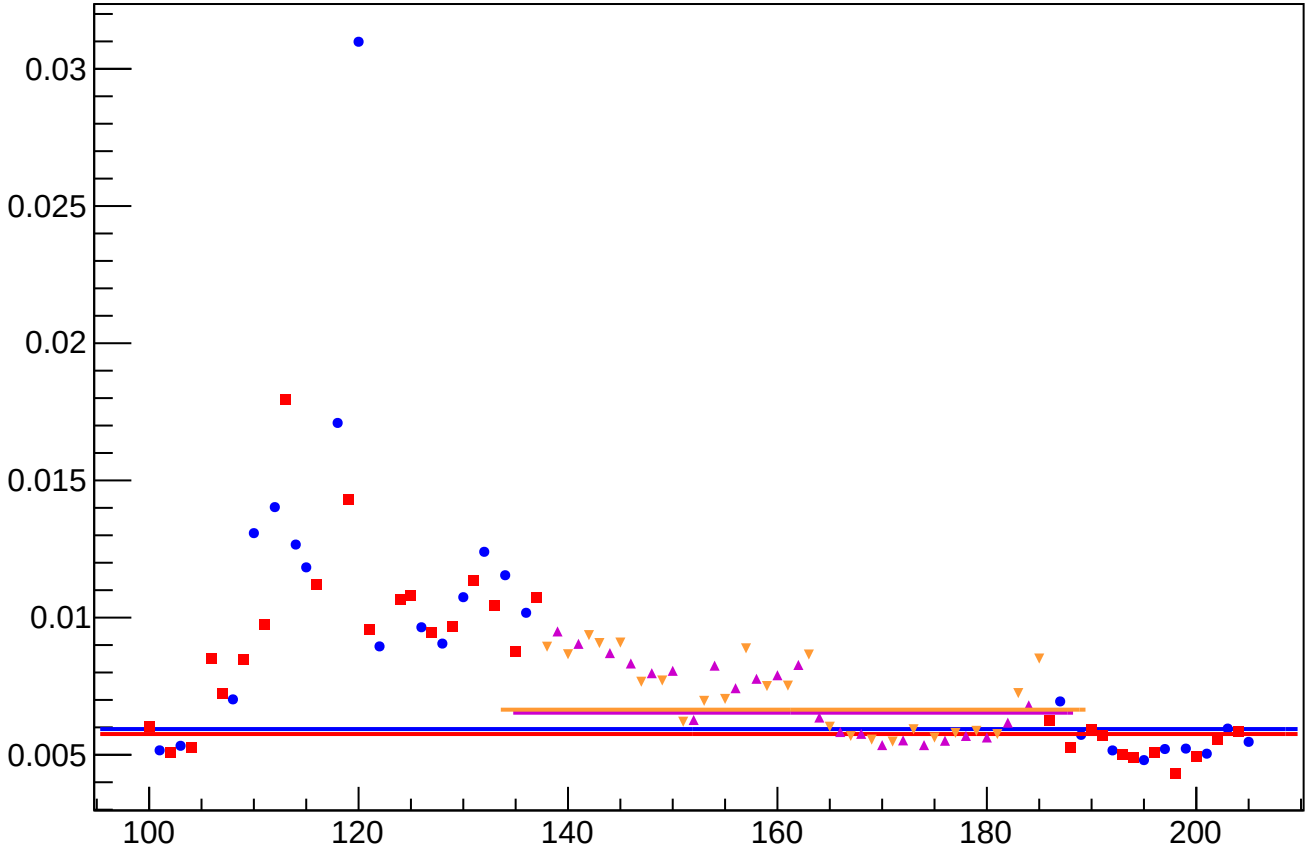
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.706+/-0.000 χ^2/NDF: 421459912343.7/49

All: -0.725+/-0.000 χ^2/NDF: 864375584817.

- sign -0.744+/-0.000 χ^2/NDF: 442395579881.6/52

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2472274.6/24

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

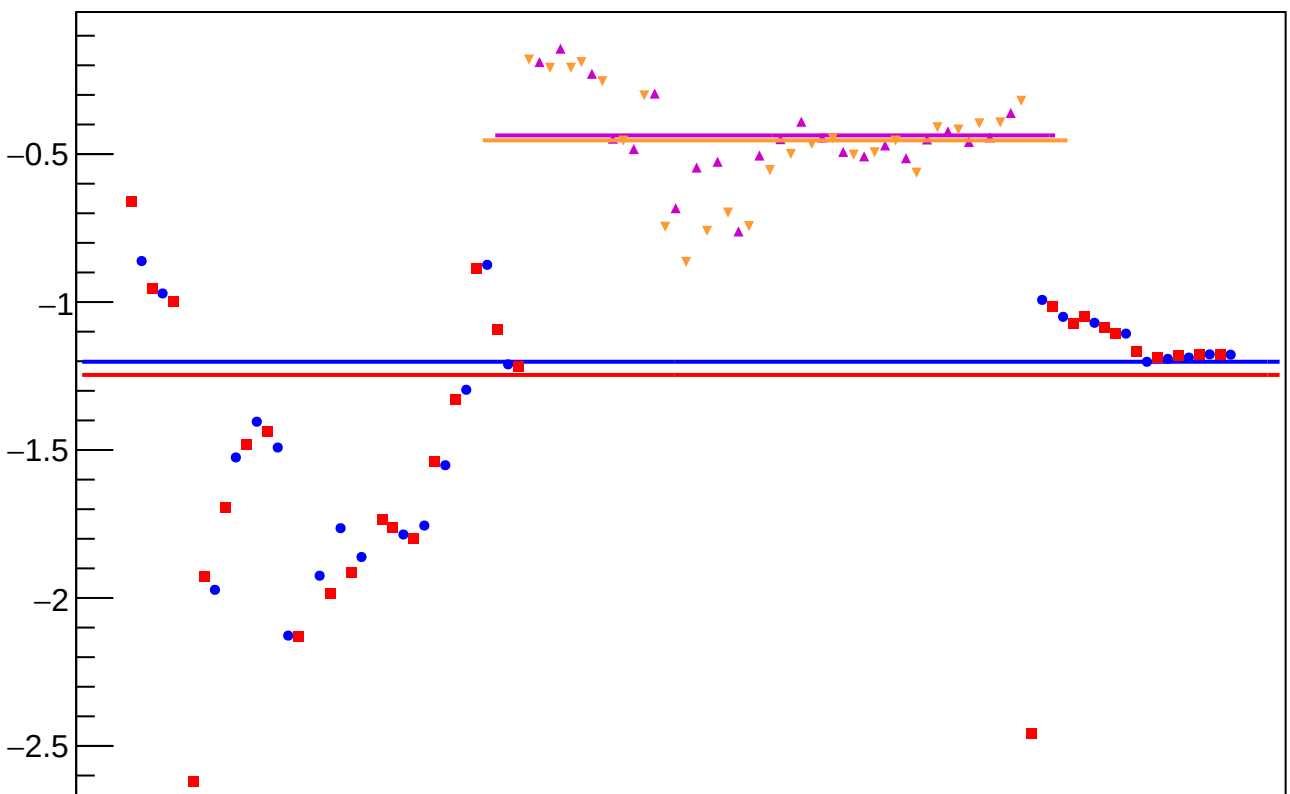
Right Out: 0.006+/-0.000 χ^2/NDF: 2346930.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3735605.7/49

All: 0.006+/-0.000 χ^2/NDF: 7483264.8/102

- sign 0.006+/-0.000 χ^2/NDF: 3723953.8/52



Right In: -1.202+/-0.000 χ^2/NDF: 27125078153.5/24

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.246+/-0.000 χ^2/NDF: 72164446124.3/29

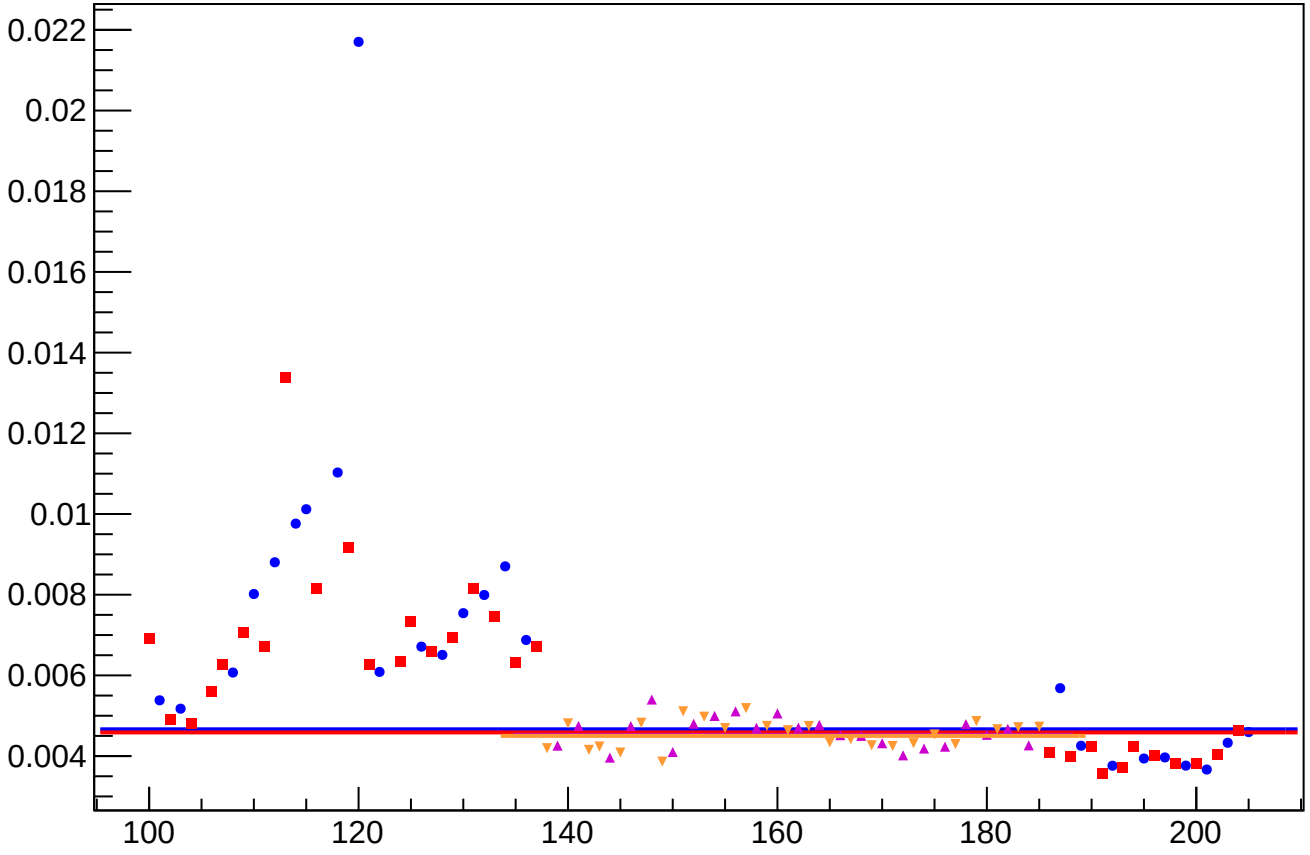
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.733+/-0.000 χ^2/NDF: 237866709628.2/49

All: -0.757+/-0.000 χ^2/NDF: 555447014309.1

- sign -0.781+/-0.000 χ^2/NDF: 315929718262.6/52

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2143713.3/24

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

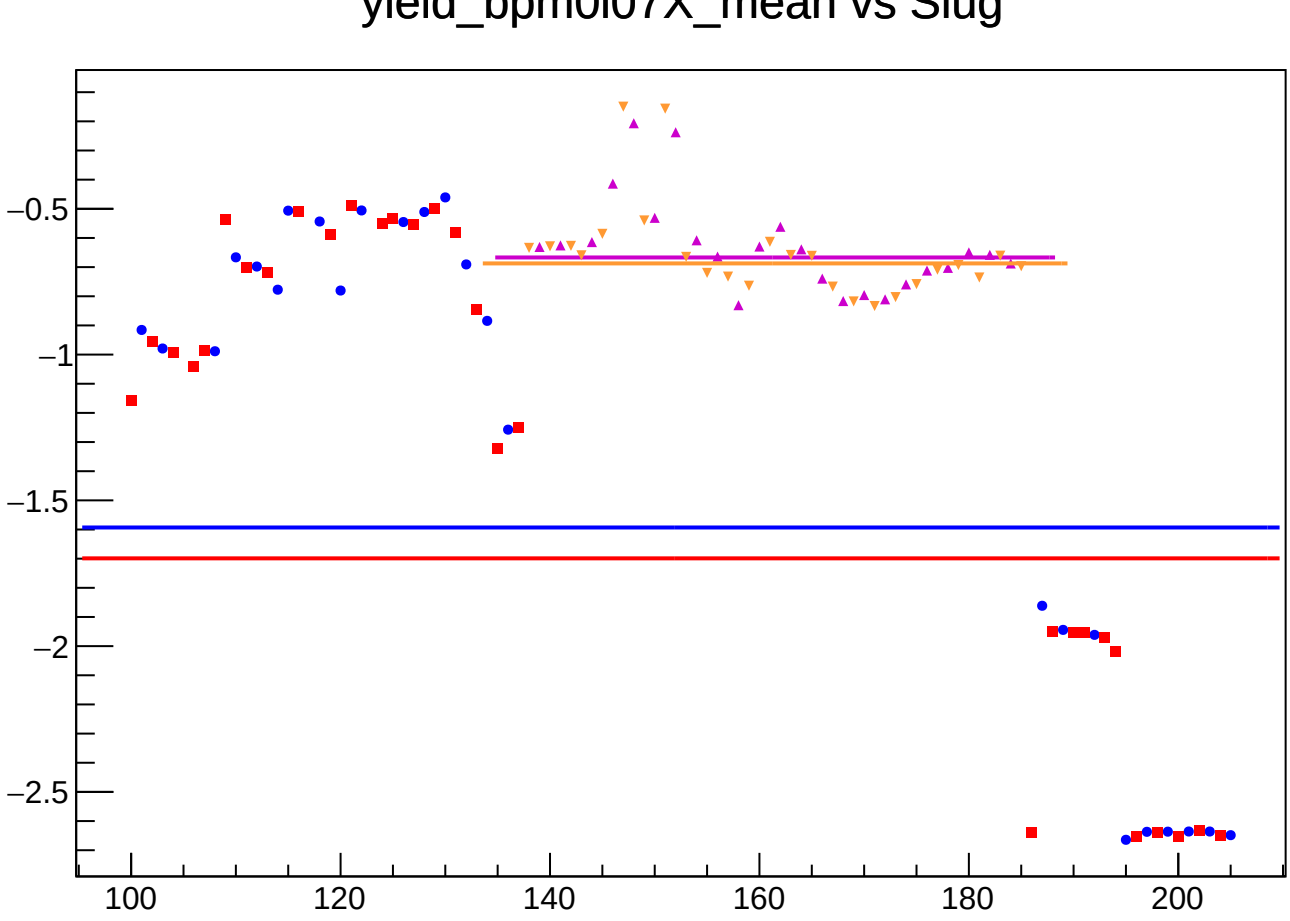
Right Out: 0.005+/-0.000 χ^2/NDF: 1844364.1/29

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2350126.6/49

All: 0.005+/-0.000 χ^2/NDF: 4409811.3/102

- sign 0.005+/-0.000 χ^2/NDF: 2059445.1/52



Right In: -1.593+/-0.000 χ^2/NDF: 228952487345.9/24

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.699+/-0.000 χ^2/NDF: 284970415798.2/29

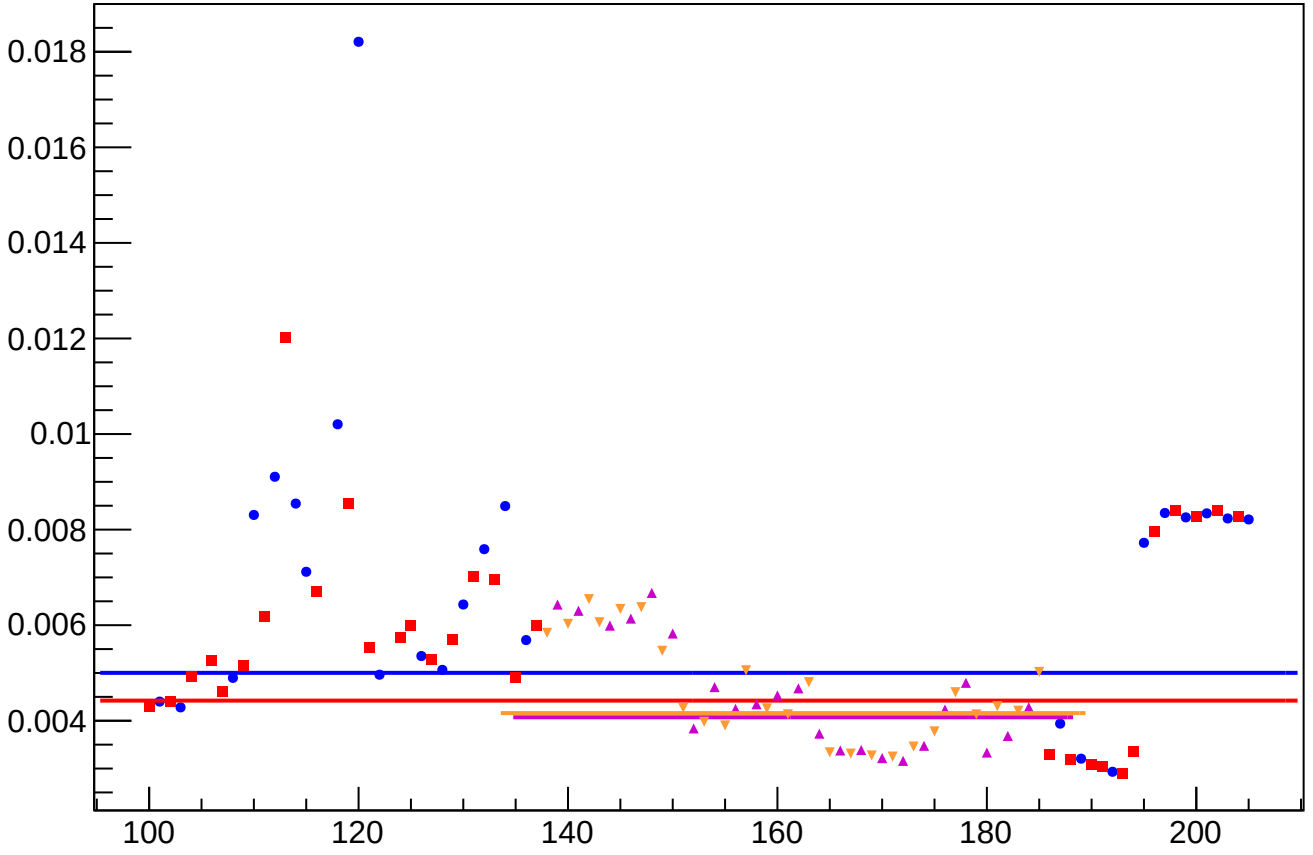
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.968+/-0.000 χ^2/NDF: 496676480158.0/49

All: -1.023+/-0.000 χ^2/NDF: 1210108404567

- sign -1.072+/-0.000 χ^2/NDF: 705438592704.7/52

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 3889369.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3973857.7/29

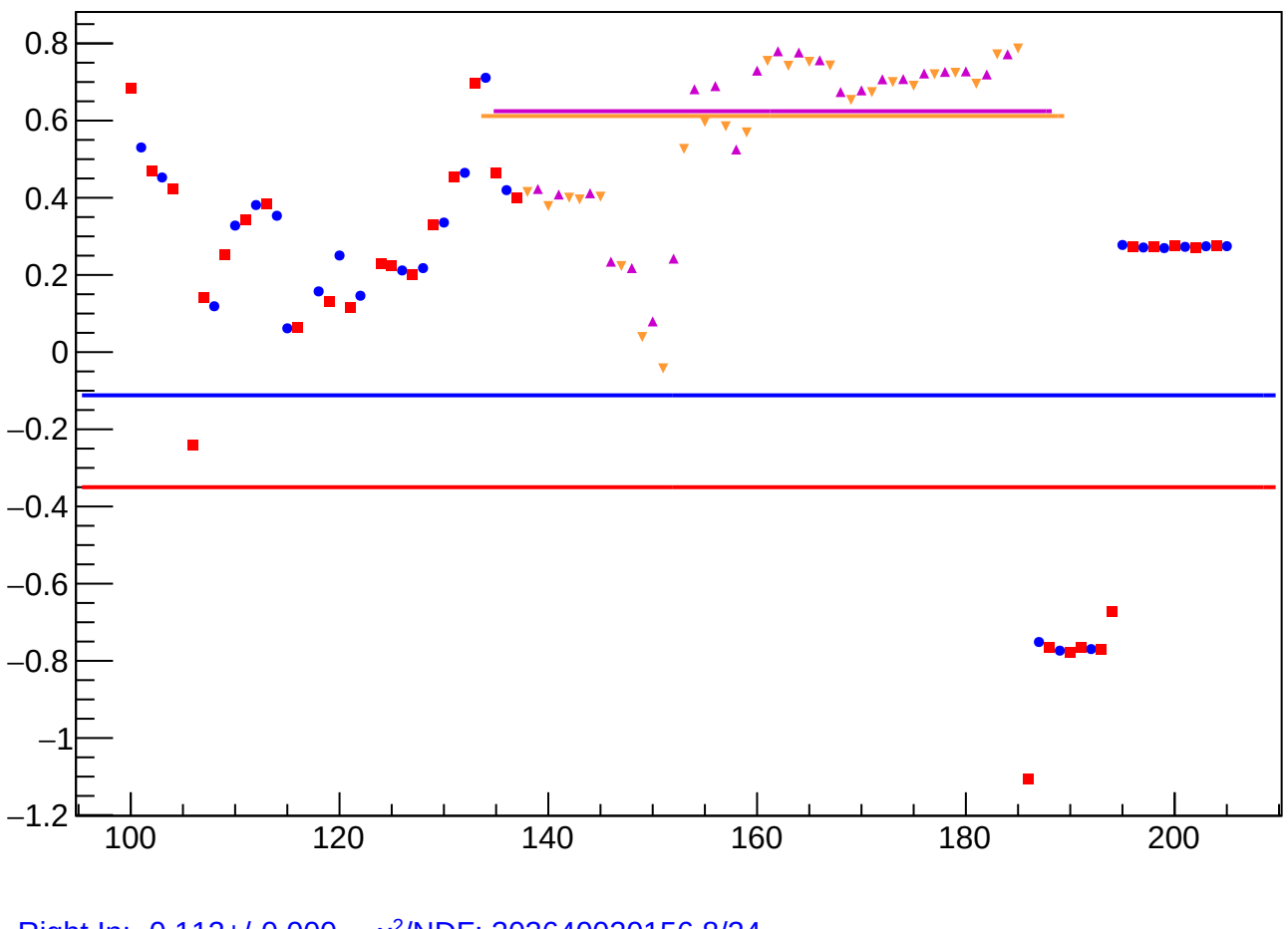
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 5833830.7/49

All: 0.004+/-0.000 χ^2/NDF: 11715233.9/102

- sign 0.004+/-0.000 χ^2/NDF: 5815082.5/52

yield_bpm0i07Y_mean vs Slug



Right In: -0.112+/-0.000 χ^2/NDF: 303640020156.8/24

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.350+/-0.000 χ^2/NDF: 472271381436.9/29

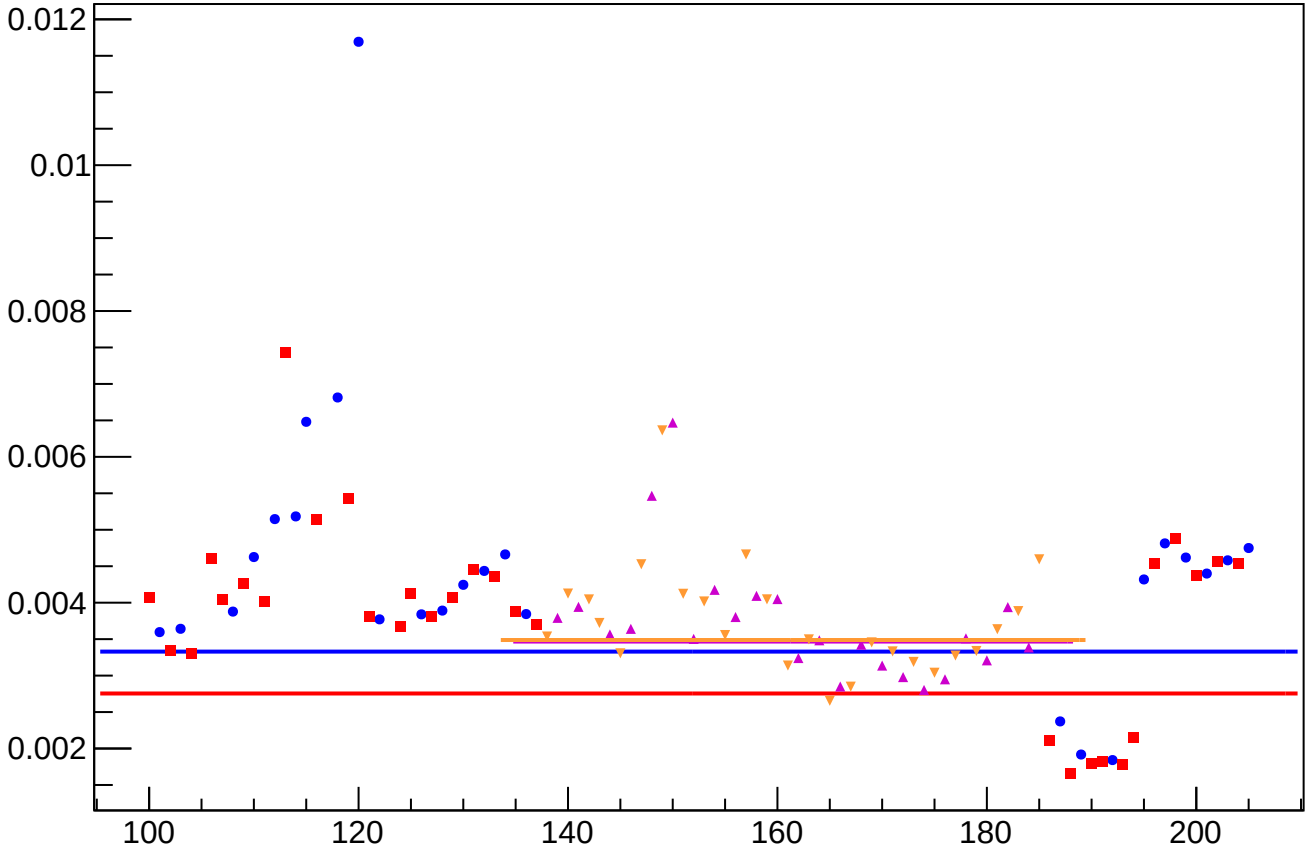
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.296+/-0.000 χ^2/NDF: 650491442061.2/49

All: 0.182+/-0.000 χ^2/NDF: 1882799494026.

- sign 0.087+/-0.000 χ^2/NDF: 1176165954230.8/52

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3370957.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

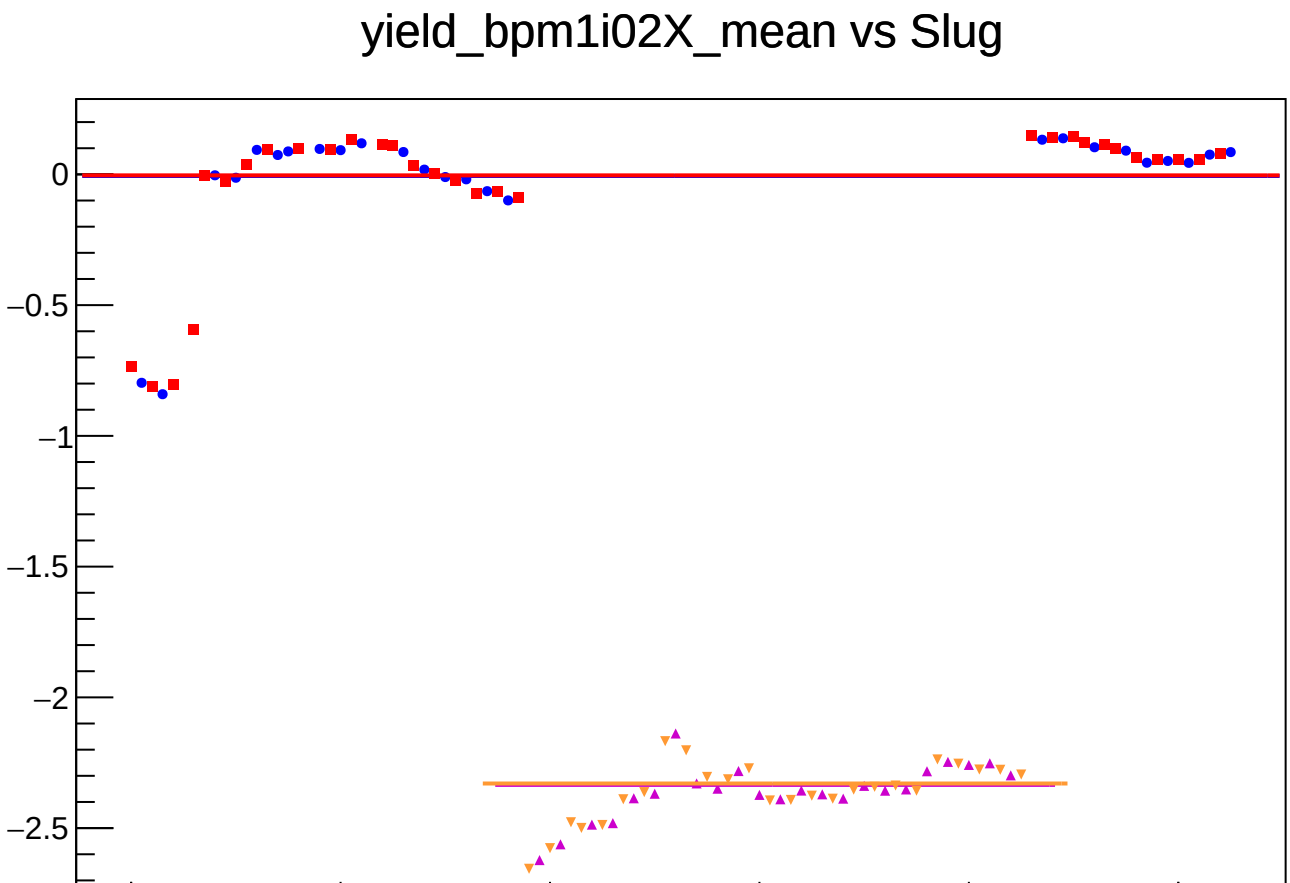
Right Out: 0.003+/-0.000 χ^2/NDF: 4522906.2/29

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 4250761.8/49

All: 0.003+/-0.000 χ^2/NDF: 10680869.8/102

- sign 0.003+/-0.000 χ^2/NDF: 6125983.6/52



Right In: -0.006+/-0.000 χ^2/NDF: 6465374510.5/24

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.004+/-0.000 χ^2/NDF: 7742687623.4/29

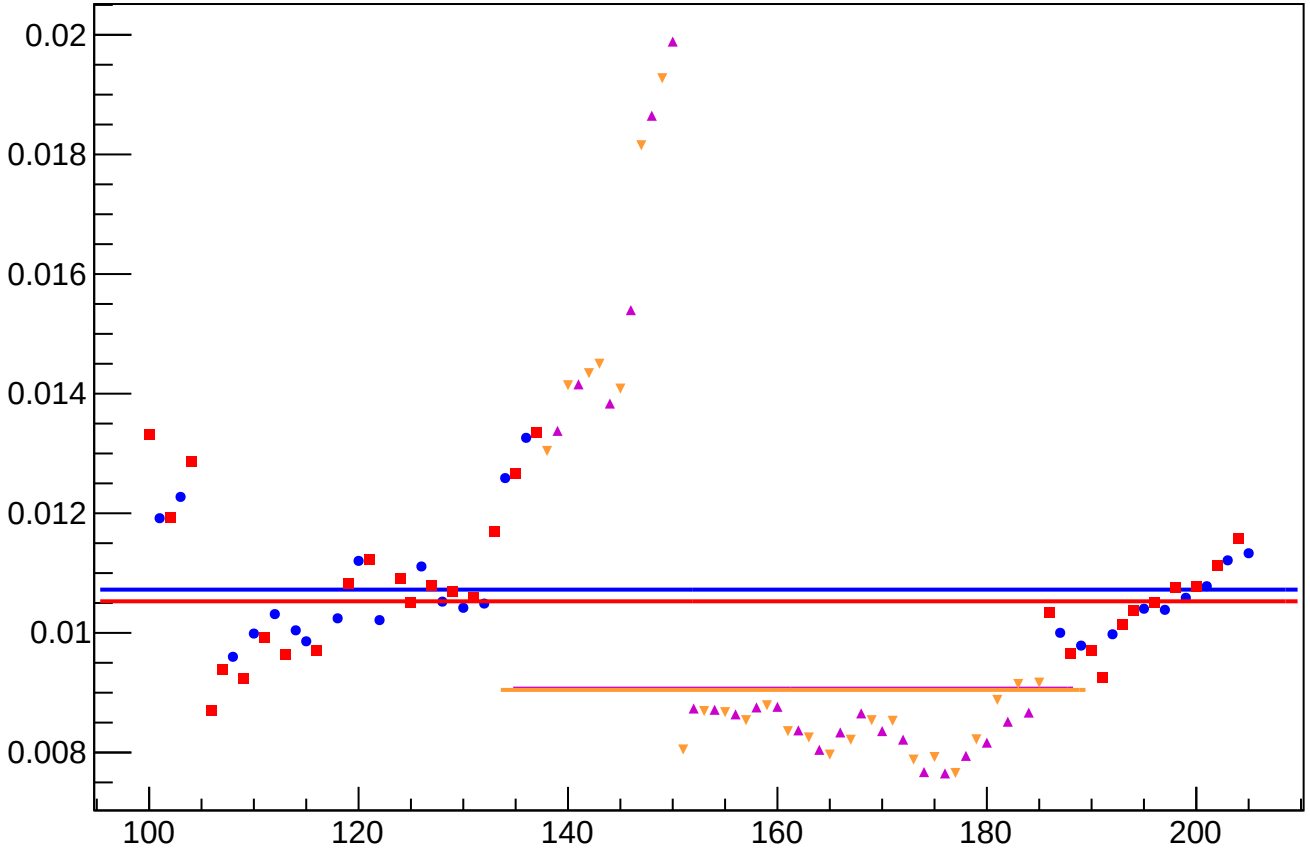
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.510+/-0.000 χ^2/NDF: 431284991046.8/49

All: -1.459+/-0.000 χ^2/NDF: 893041530181.3

- sign -1.408+/-0.000 χ^2/NDF: 459965730903.1/52

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 175944.9/24

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

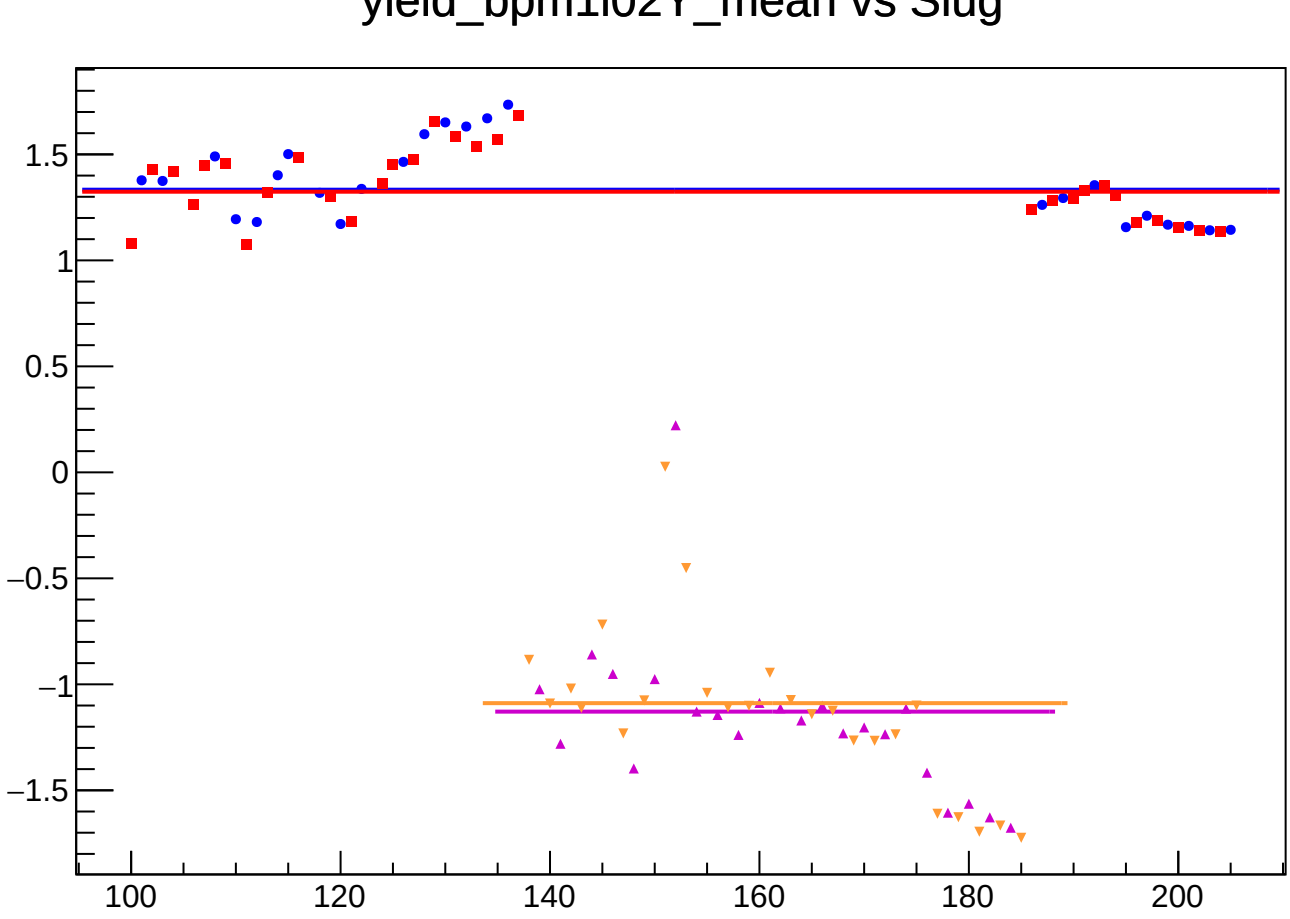
Right Out: 0.011+/-0.000 χ^2/NDF: 245839.7/29

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2665073.3/49

All: 0.010+/-0.000 χ^2/NDF: 5398654.7/102

- sign 0.010+/-0.000 χ^2/NDF: 2733545.4/52



Right In: 1.333+/-0.000 χ^2/NDF: 7762001314.0/24

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.324+/-0.000 χ^2/NDF: 5908993588.2/29

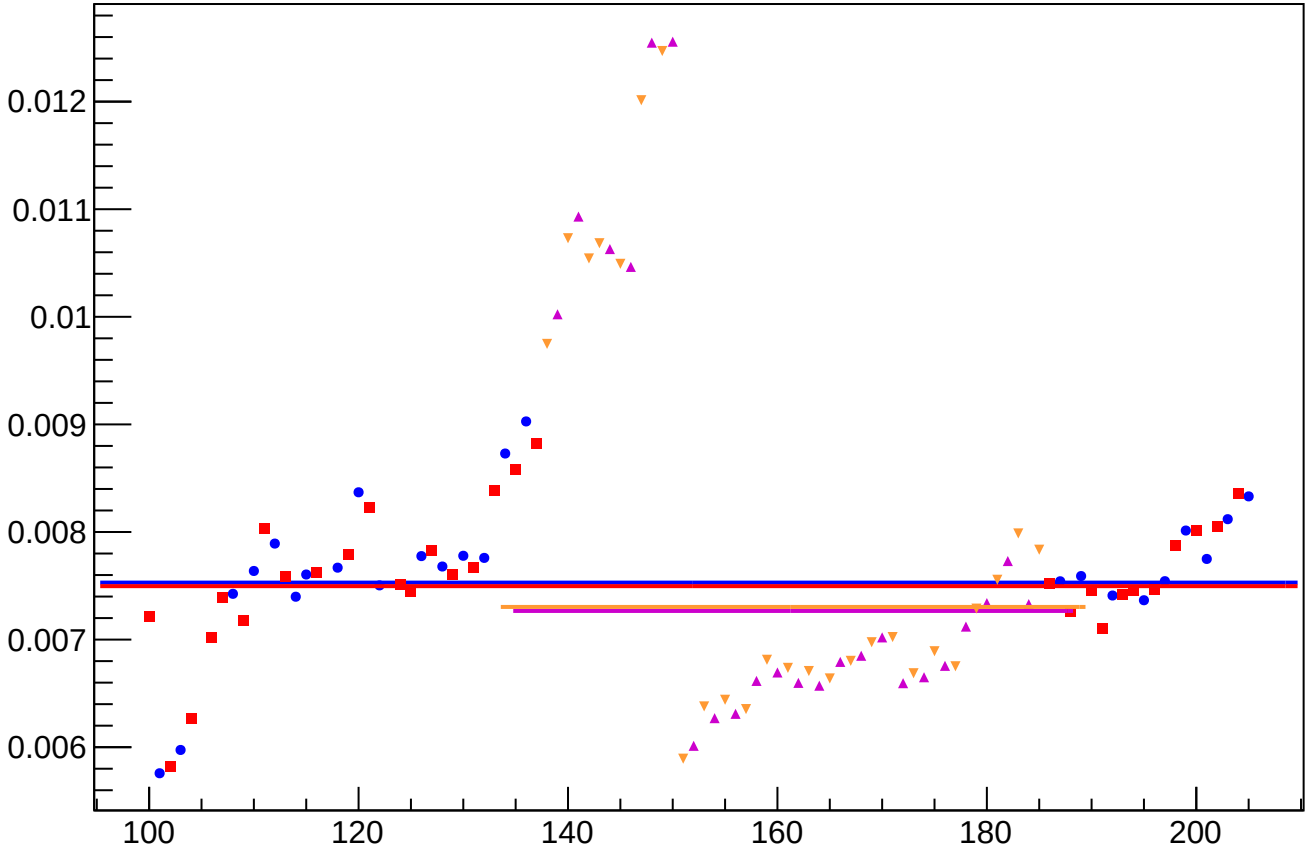
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.087+/-0.000 χ^2/NDF: 909336151078.0/49

All: -0.055+/-0.000 χ^2/NDF: 1872189576102

- sign -0.024+/-0.000 χ^2/NDF: 961647784548.1/52

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 313885.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

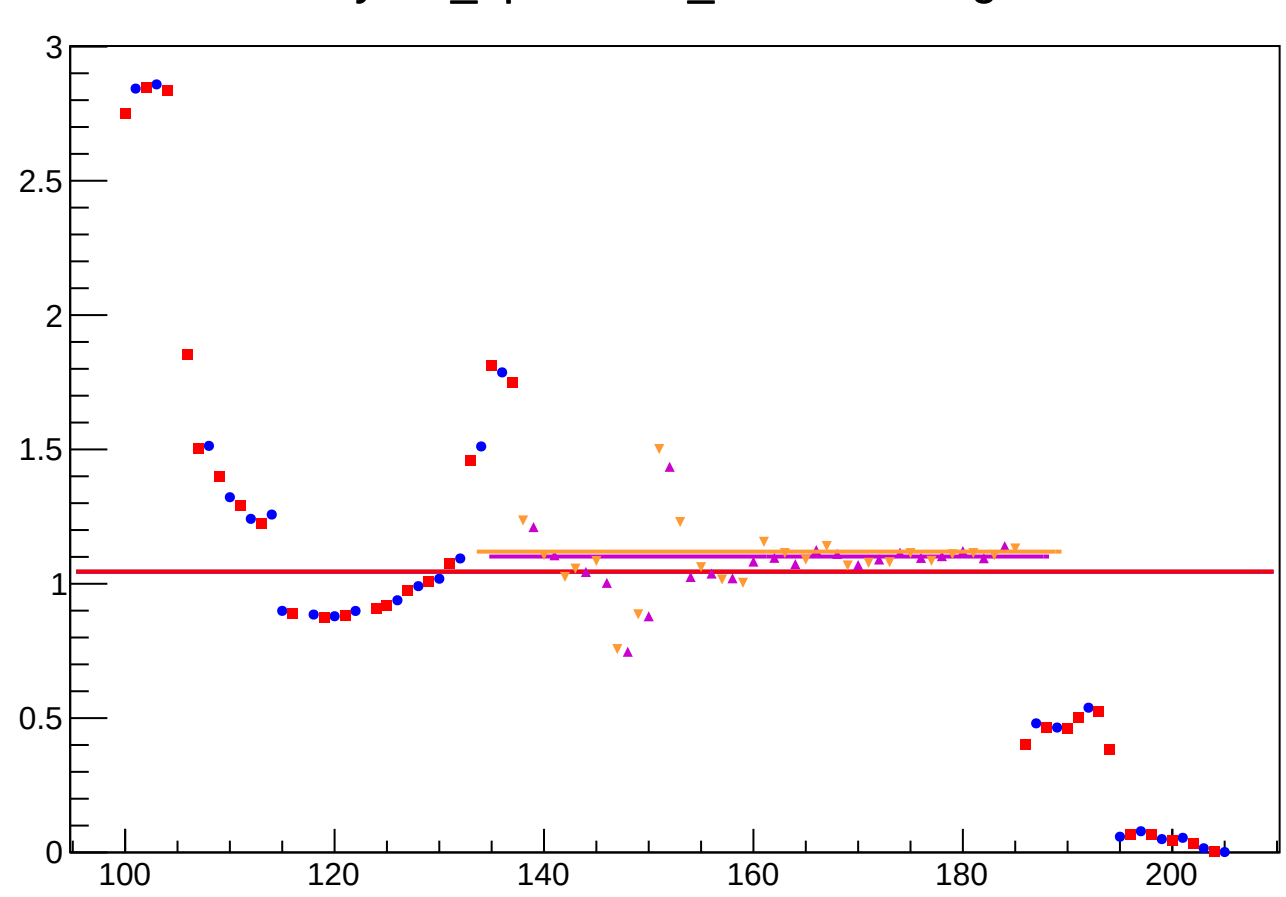
Right Out: 0.007+/-0.000 χ^2/NDF: 243927.8/29

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1832637.6/49

All: 0.007+/-0.000 χ^2/NDF: 3652903.7/102

- sign 0.007+/-0.000 χ^2/NDF: 1819830.9/52



Right In: 1.045+/-0.000 χ^2/NDF: 125312328545.7/24

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.045+/-0.000 χ^2/NDF: 122735321207.5/29

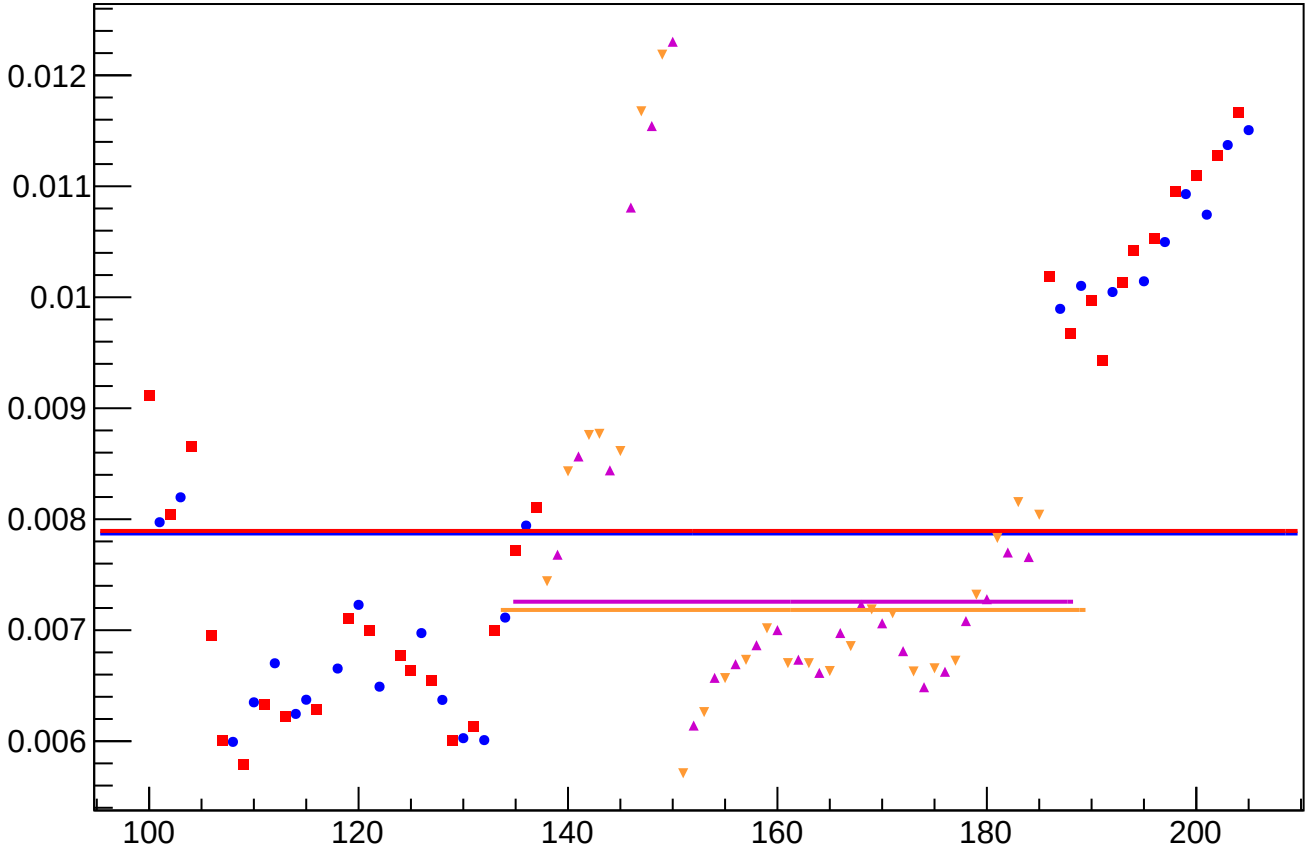
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.092+/-0.000 χ^2/NDF: 131576676215.6/49

All: 1.085+/-0.000 χ^2/NDF: 258994538757.2

- sign 1.078+/-0.000 χ^2/NDF: 127366958975.9/52

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1464245.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1685026.2/29

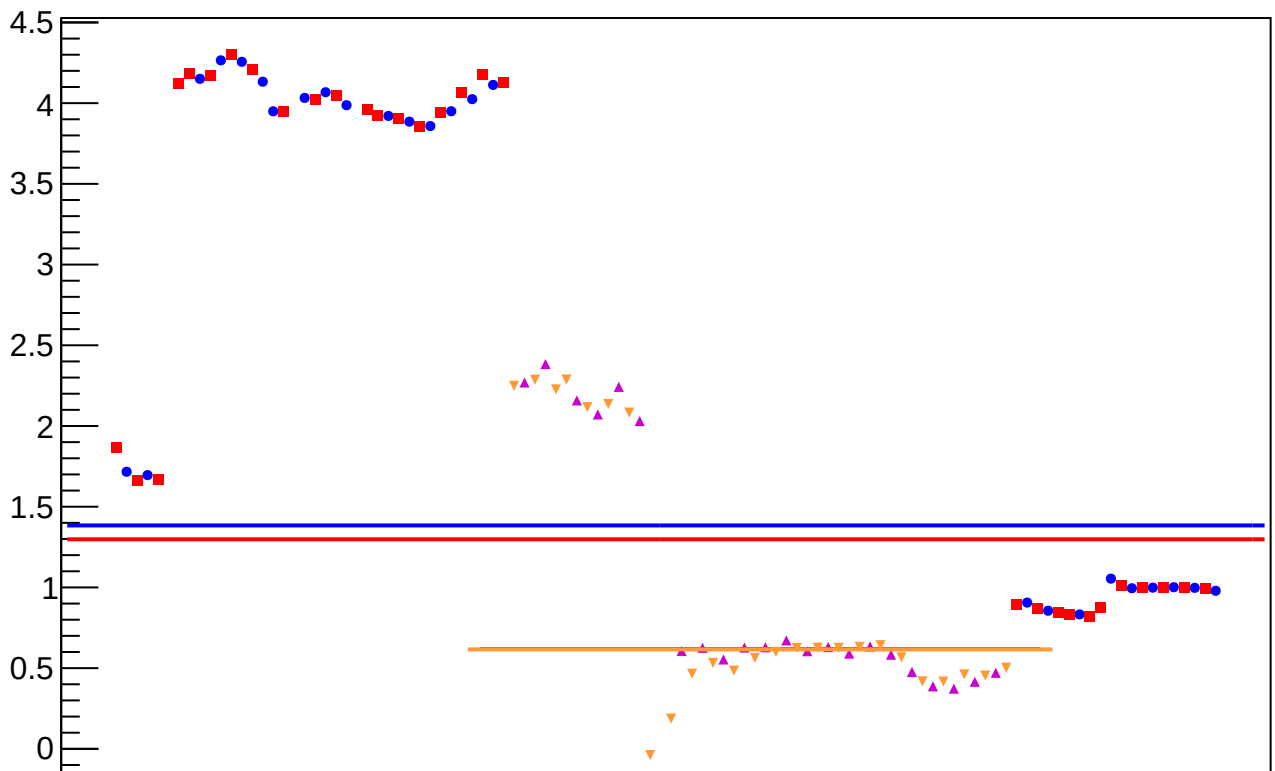
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2485267.8/49

All: 0.007+/-0.000 χ^2/NDF: 5202030.0/102

- sign 0.008+/-0.000 χ^2/NDF: 2713214.9/52

yield_bpm1i04Y_mean vs Slug



Right In: 1.384+/-0.000 χ^2/NDF: 1547243212663.2/24

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.298+/-0.000 χ^2/NDF: 1739358583949.7/29

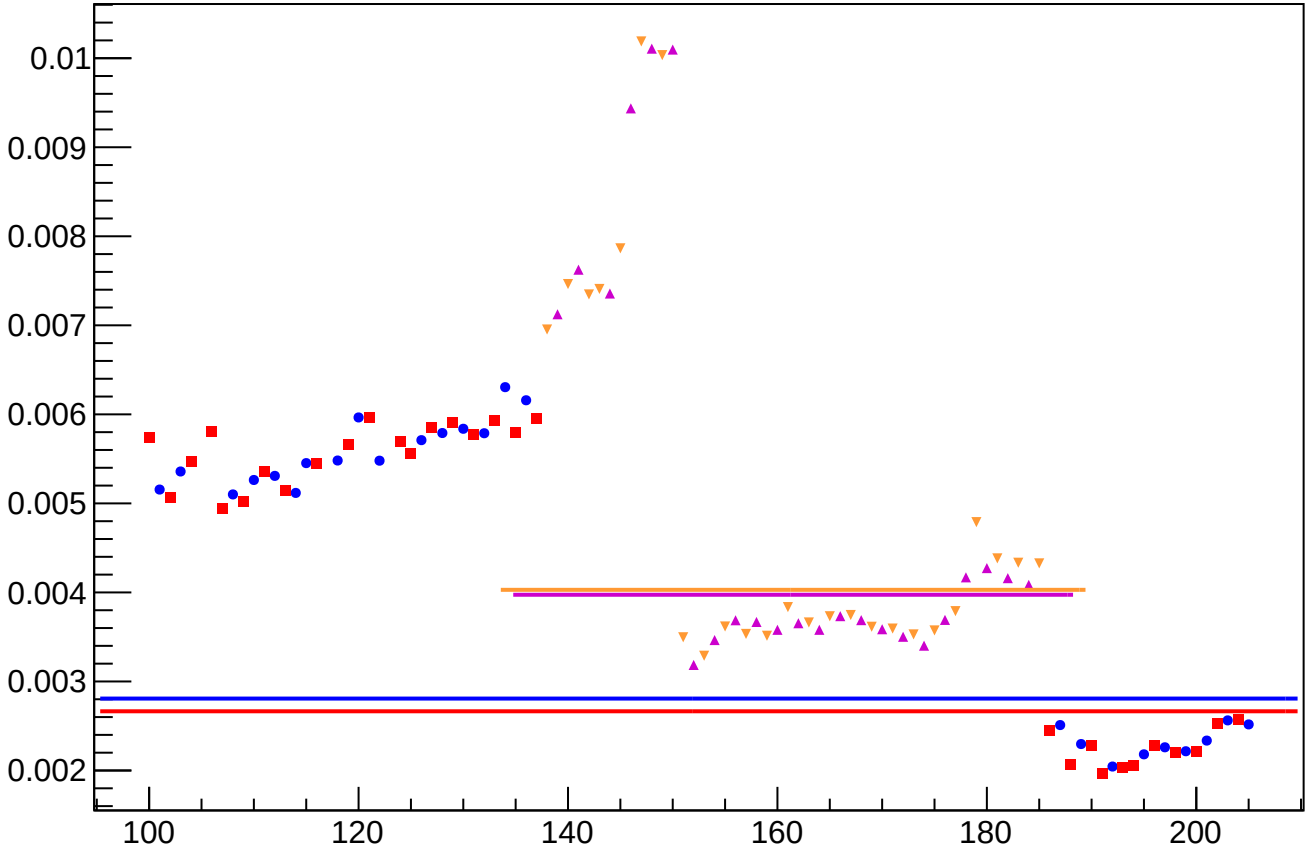
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.059+/-0.000 χ^2/NDF: 2158355031166.3/49

All: 1.052+/-0.000 χ^2/NDF: 4451450738196.

- sign 1.047+/-0.000 χ^2/NDF: 2292906680385.4/52

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4329302.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4671129.7/29

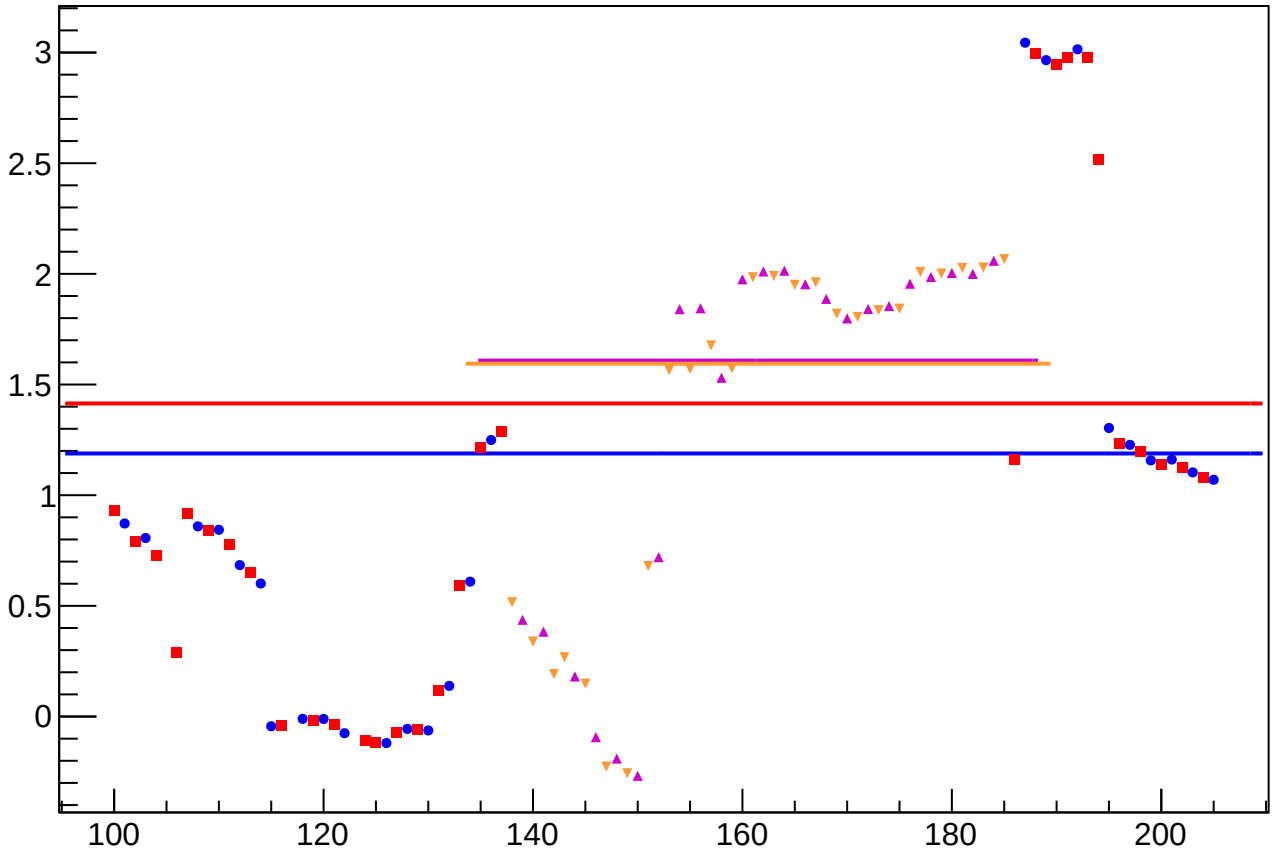
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9111219.3/49

All: 0.003+/-0.000 χ^2/NDF: 19203214.7/102

- sign 0.003+/-0.000 χ^2/NDF: 10010583.2/52

yield_bpm1i06X_mean vs Slug



Right In: 1.189+/-0.000 χ^2/NDF: 77599784434.3/24

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.414+/-0.000 χ^2/NDF: 104902343913.1/29

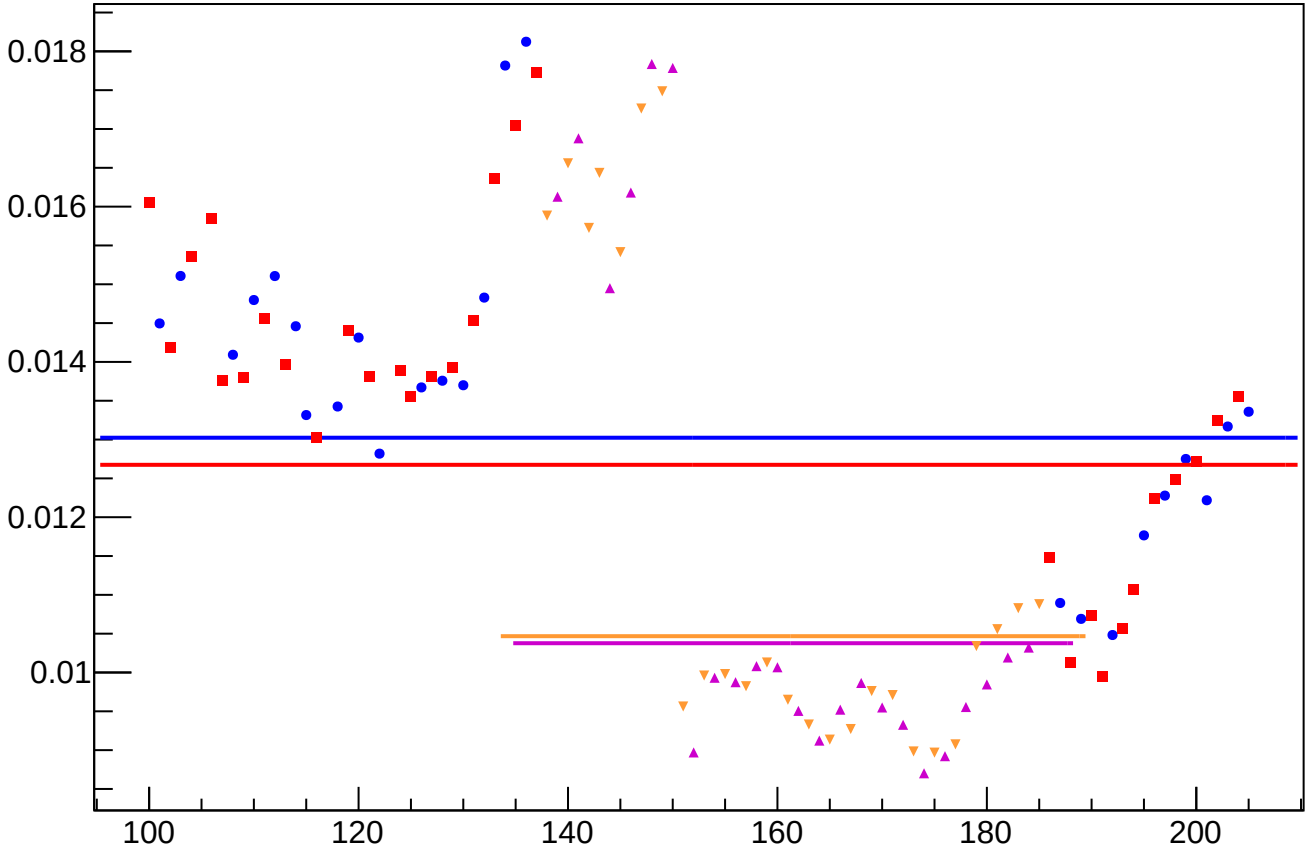
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.462+/-0.000 χ^2/NDF: 149178803119.6/49

All: 1.500+/-0.000 χ^2/NDF: 323395770374.4

- sign 1.537+/-0.000 χ^2/NDF: 173510194492.7/52

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 503095.9/24

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 600957.0/29

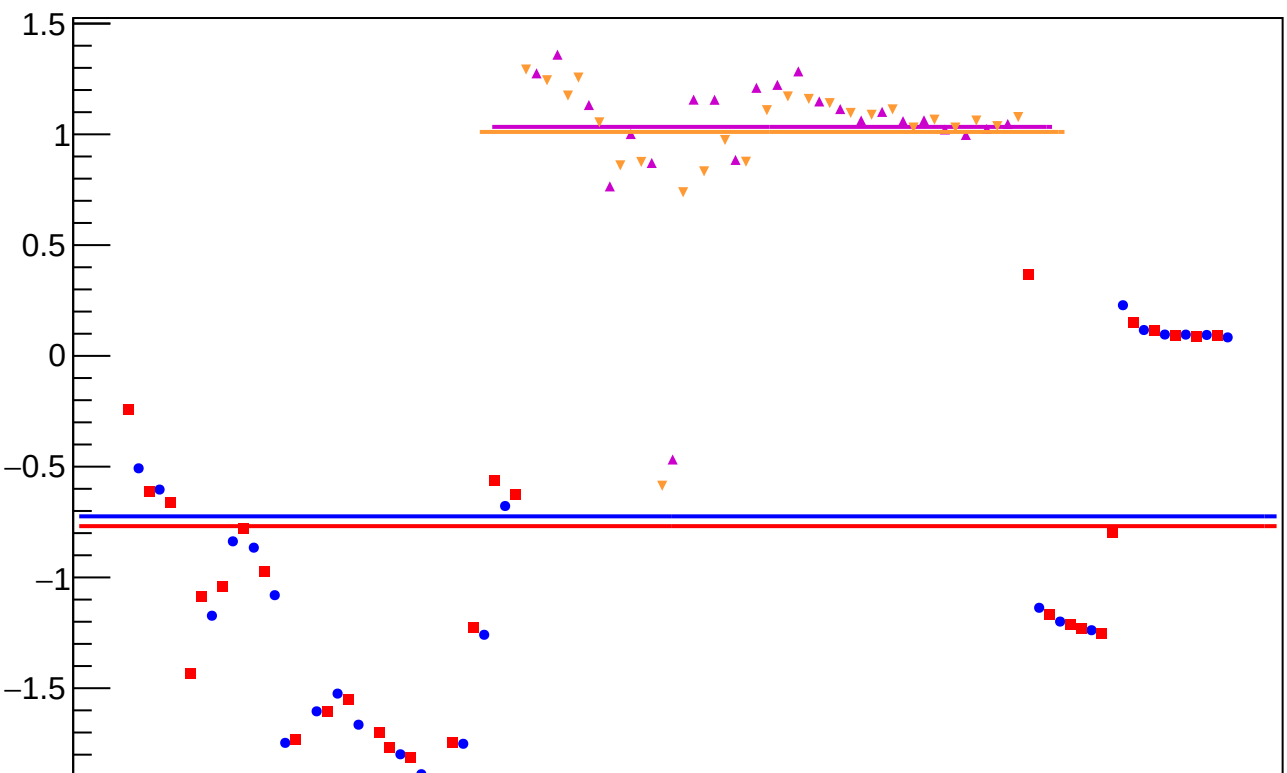
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2874664.7/49

All: 0.011+/-0.000 χ^2/NDF: 5808223.4/102

- sign 0.011+/-0.000 χ^2/NDF: 2931837.3/52

yield_bpm1i06Y_mean vs Slug



Right In: -0.724+/-0.000 χ^2/NDF: 171375997397.5/24

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.769+/-0.000 χ^2/NDF: 156638357846.6/29

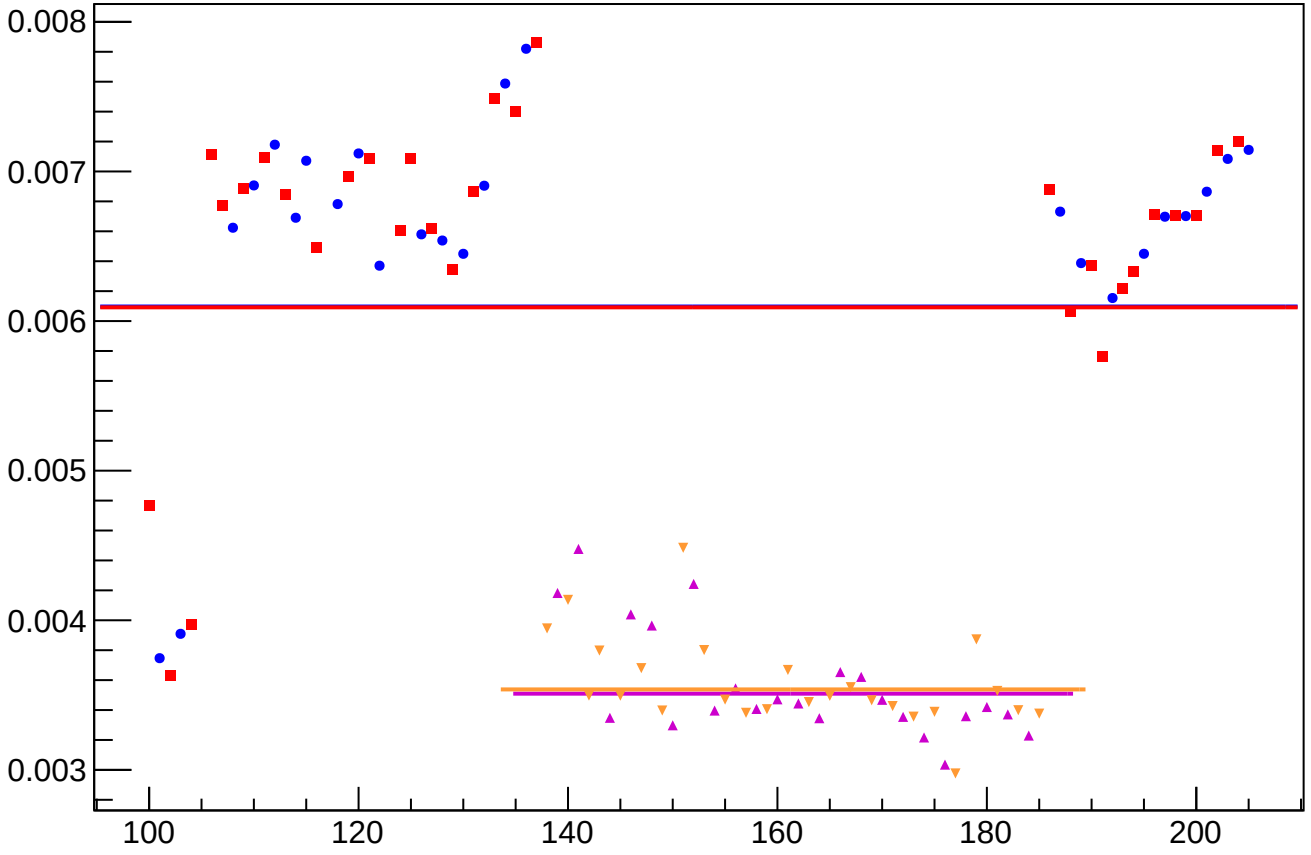
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.669+/-0.000 χ^2/NDF: 1116913828503.1/49

All: 0.654+/-0.000 χ^2/NDF: 2358076961650.

- sign 0.638+/-0.000 χ^2/NDF: 1240367124465.5/52

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1140381.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1182100.0/29

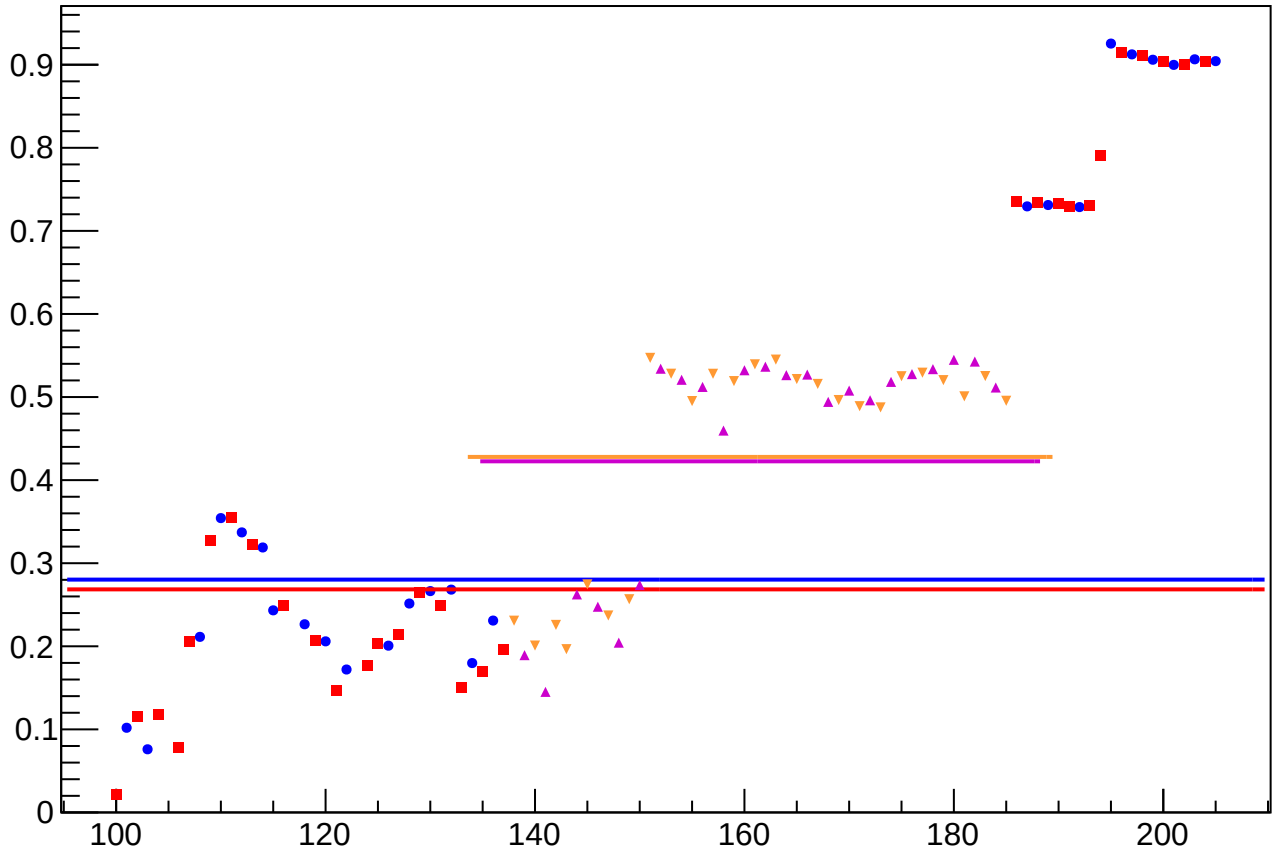
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4986610.2/49

All: 0.004+/-0.000 χ^2/NDF: 10390881.2/102

- sign 0.004+/-0.000 χ^2/NDF: 5402350.0/52

yield_bpm2i01X_mean vs Slug



Right In: 0.280+/-0.000 χ^2/NDF: 155569816569.4/24

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.269+/-0.000 χ^2/NDF: 175991344307.0/29

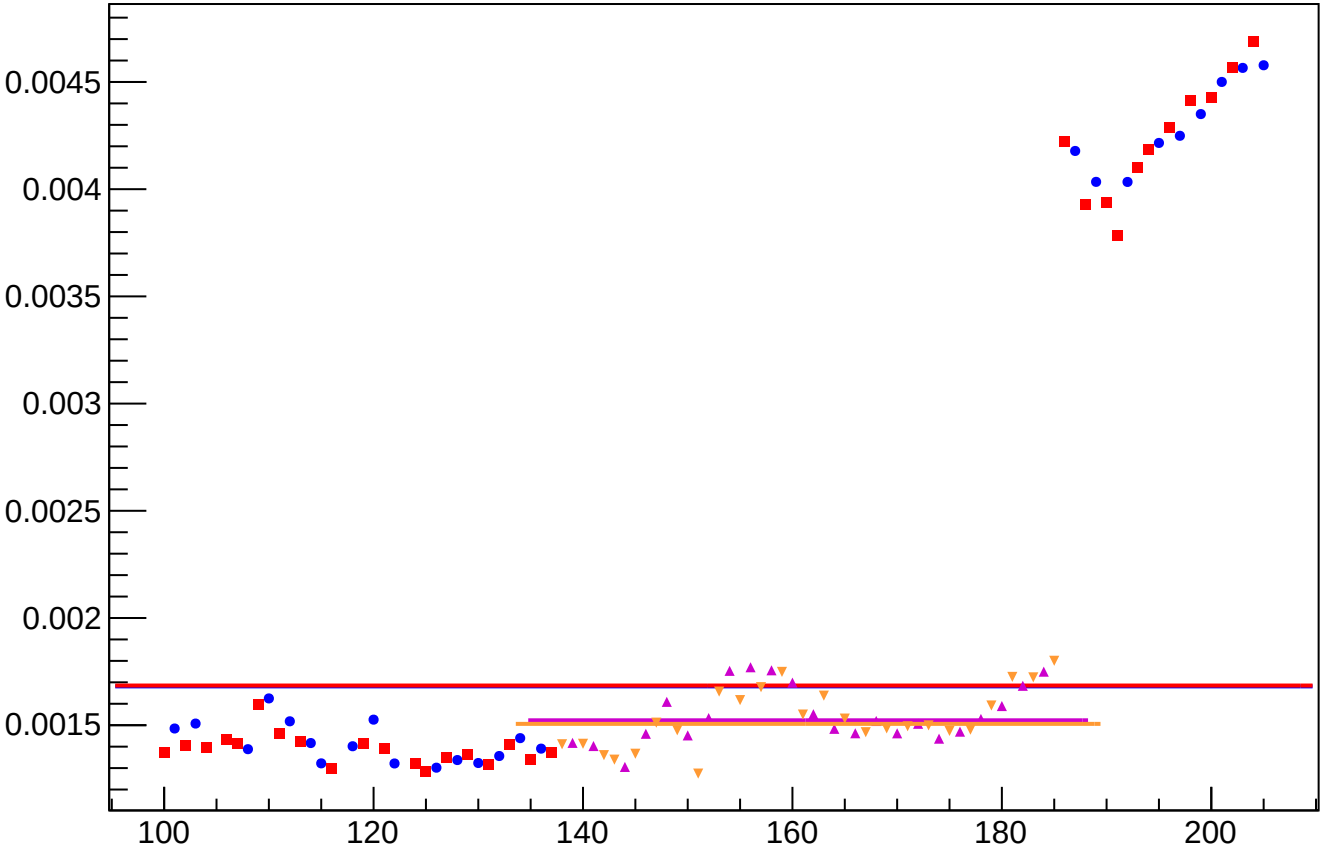
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.381+/-0.000 χ^2/NDF: 367227880088.3/49

All: 0.375+/-0.000 χ^2/NDF: 767382452124.3

- sign 0.368+/-0.000 χ^2/NDF: 399117383402.9/52

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5663606.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

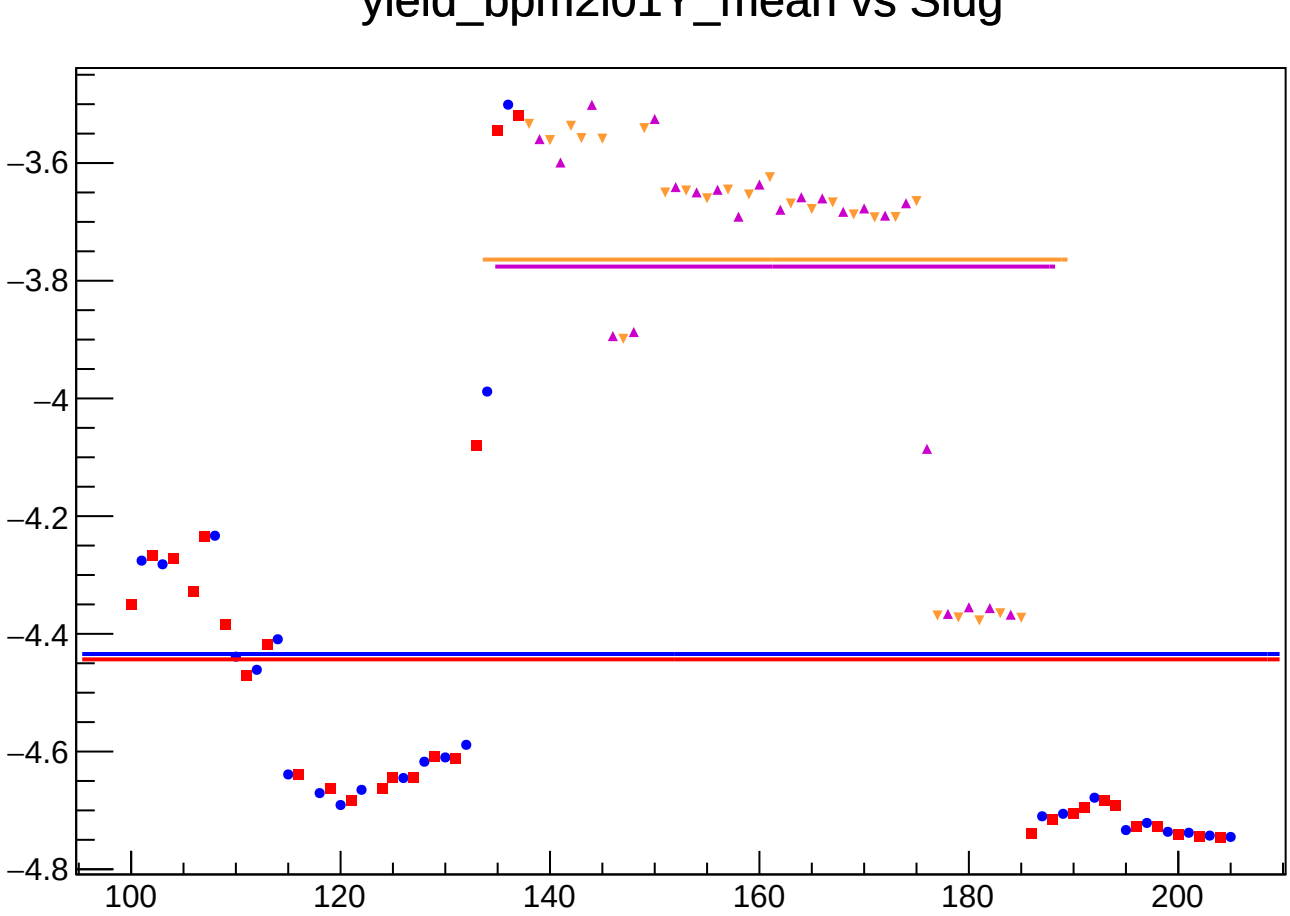
Right Out: 0.002+/-0.000 χ^2/NDF: 6504214.5/29

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 6104600.0/49

All: 0.002+/-0.000 χ^2/NDF: 12991702.8/102

- sign 0.002+/-0.000 χ^2/NDF: 6882855.2/52



Right In: -4.434+/-0.000 χ^2/NDF: 416907293973.2/24

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.443+/-0.000 χ^2/NDF: 367200980957.5/29

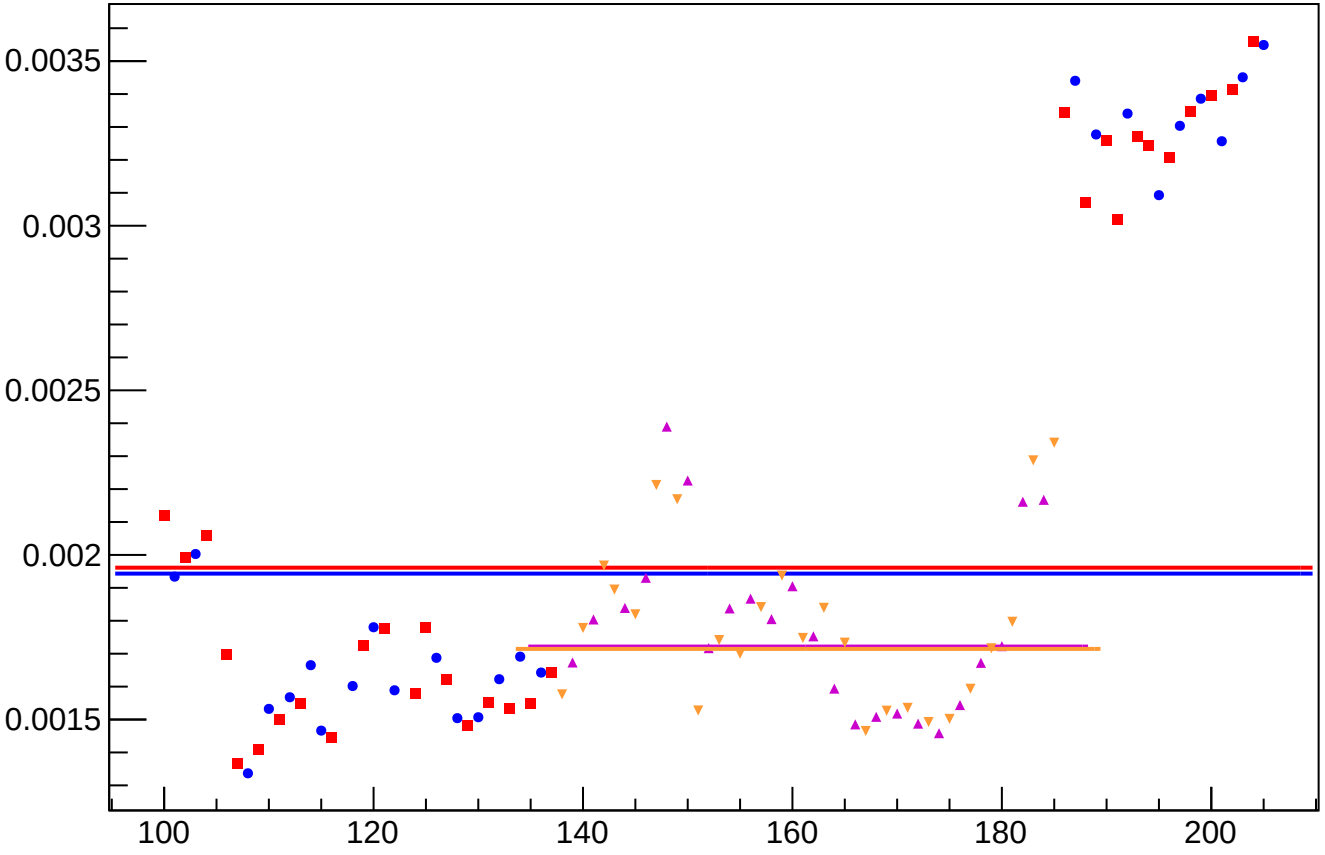
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.991+/-0.000 χ^2/NDF: 1859805779179.7/4

All: -4.007+/-0.000 χ^2/NDF: 361029184535

- sign -4.023+/-0.000 χ^2/NDF: 1745736234347.4/52

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3051468.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3461359.6/29

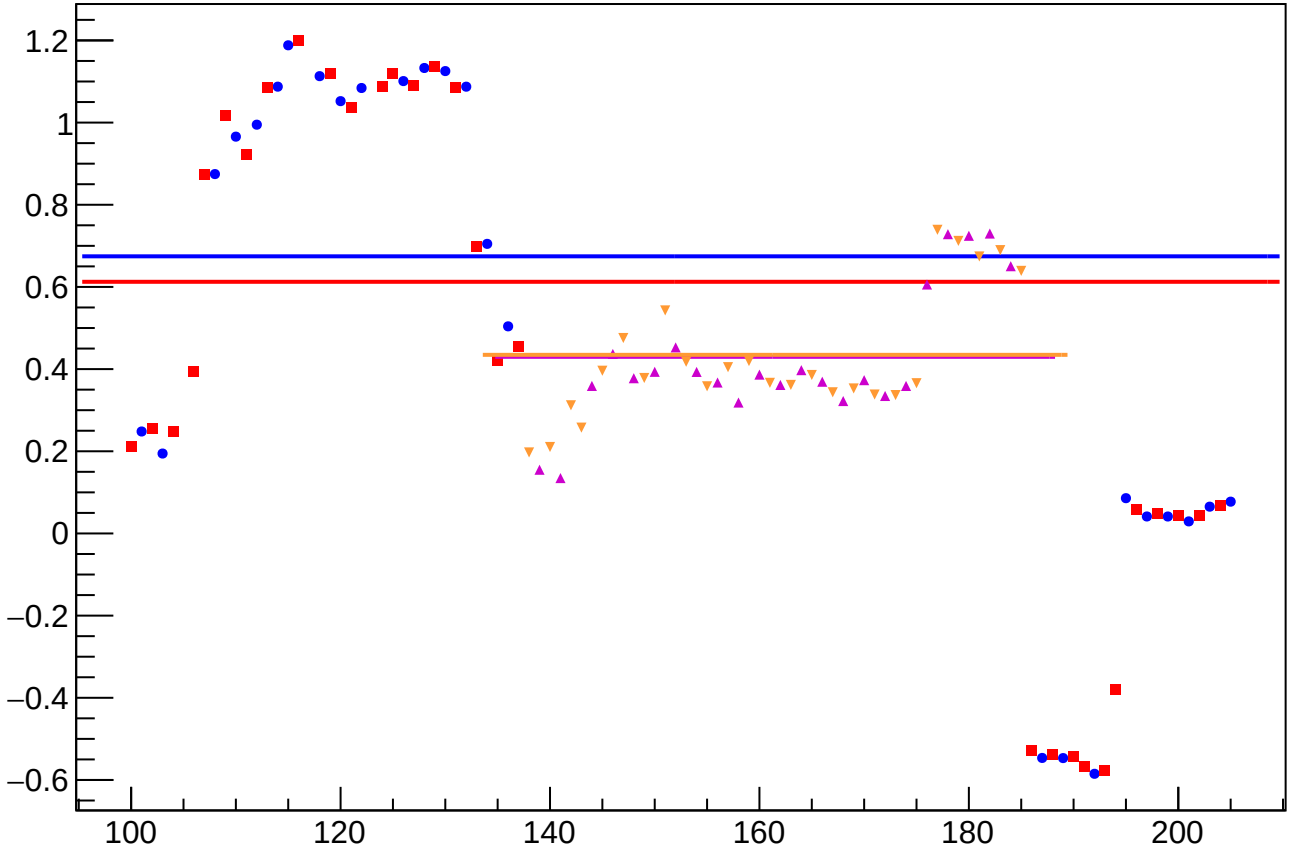
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 3837171.8/49

All: 0.002+/-0.000 χ^2/NDF: 8135225.2/102

- sign 0.002+/-0.000 χ^2/NDF: 4294917.2/52

yield_bpm2i02X_mean vs Slug



Right In: 0.674+/-0.000 χ^2/NDF: 63934253920.7/24

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 84973669292.5/29

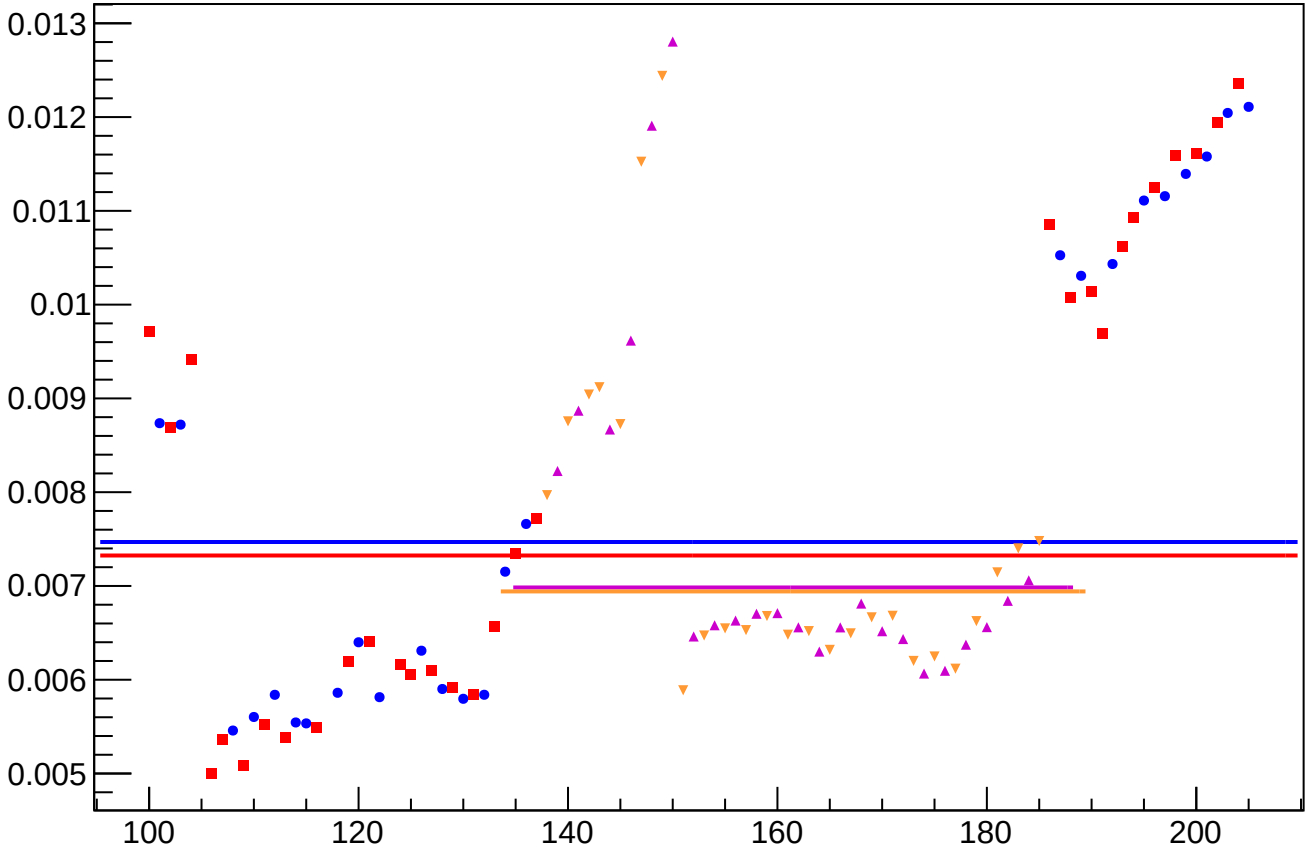
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.524+/-0.000 χ^2/NDF: 80746780629.6/49

All: 0.515+/-0.000 χ^2/NDF: 179903940407.6

- sign 0.506+/-0.000 χ^2/NDF: 99058911999.3/52

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2360546.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

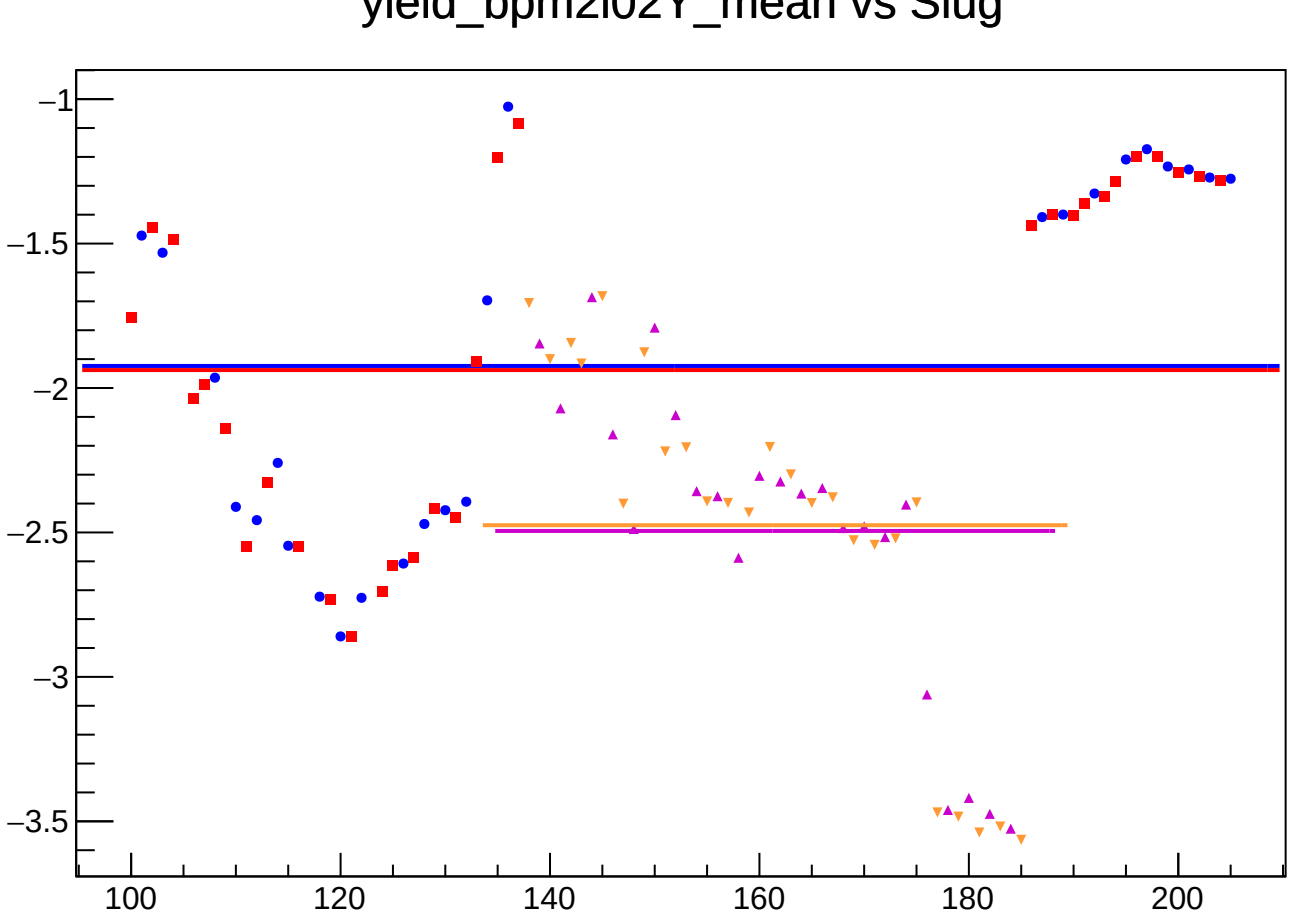
Right Out: 0.007+/-0.000 χ^2/NDF: 2902168.7/29

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 3531634.8/49

All: 0.007+/-0.000 χ^2/NDF: 7605587.4/102

- sign 0.007+/-0.000 χ^2/NDF: 4073867.9/52



Right In: -1.924+/-0.000 χ^2/NDF: 105169401996.1/24

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.938+/-0.000 χ^2/NDF: 102568625186.0/29

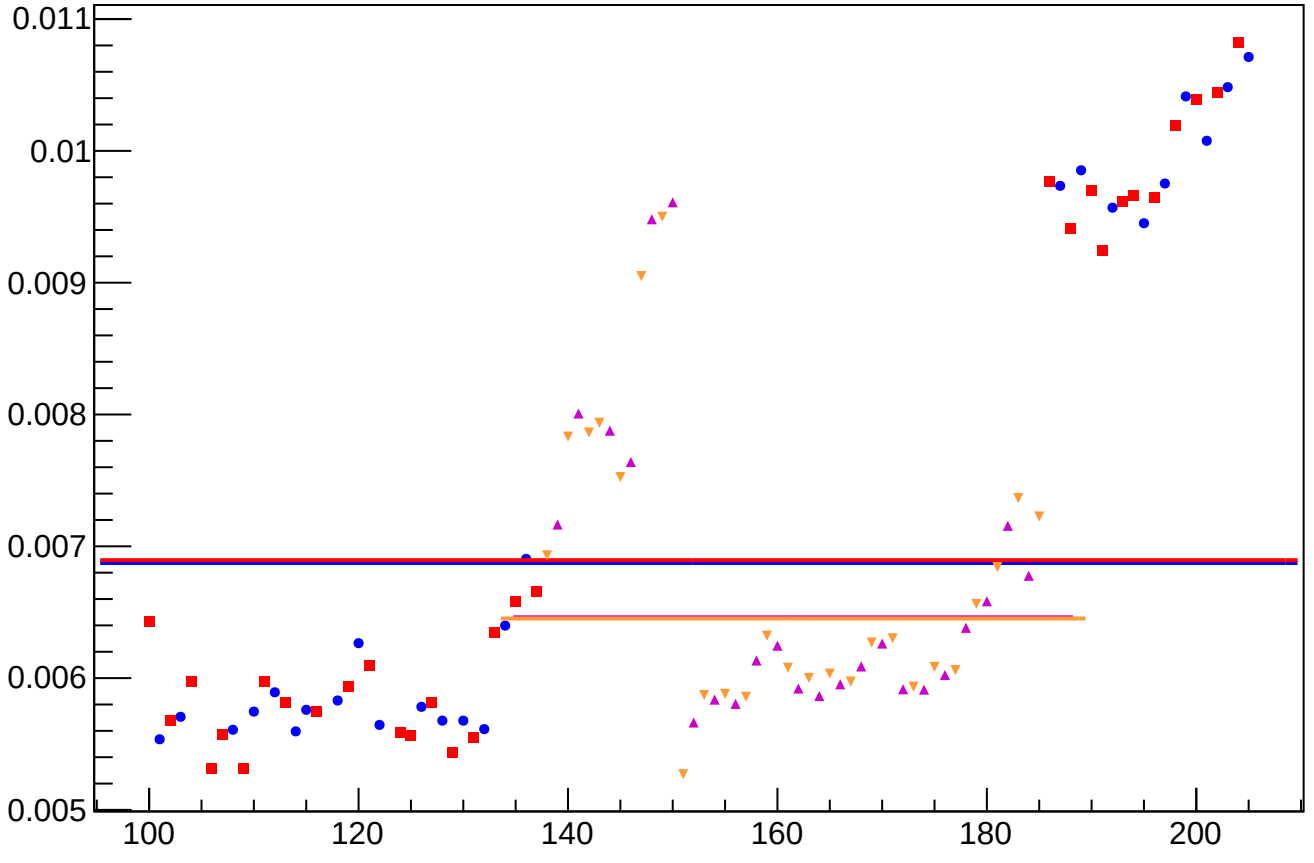
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.266+/-0.000 χ^2/NDF: 280535557442.7/49

All: -2.265+/-0.000 χ^2/NDF: 534874914943.6

- sign -2.265+/-0.000 χ^2/NDF: 254338921053.6/52

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1852009.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2102328.1/29

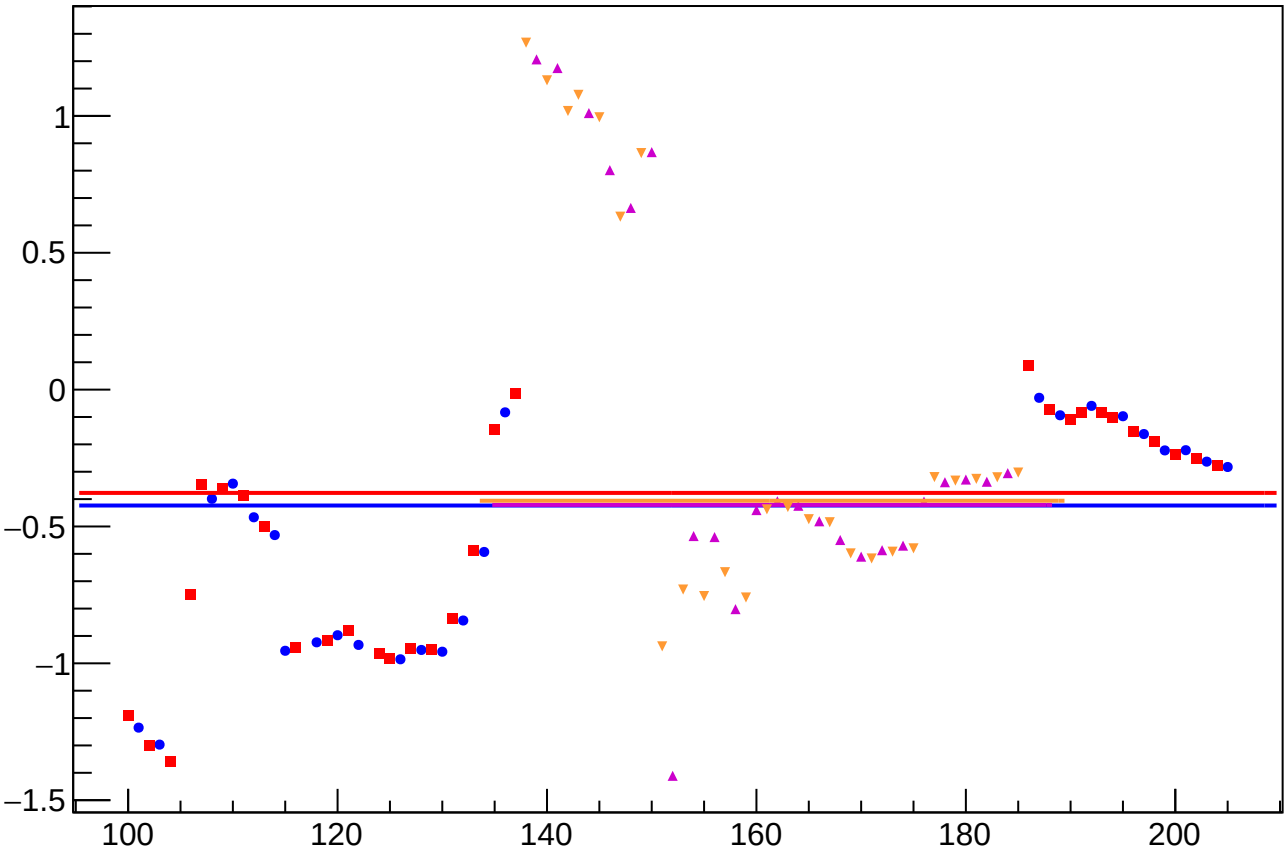
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2626403.9/49

All: 0.007+/-0.000 χ^2/NDF: 5516583.6/102

- sign 0.007+/-0.000 χ^2/NDF: 2889591.7/52

yield_bpm0i01X_mean vs Slug



Right In: -0.423+/-0.000 χ^2/NDF: 23901946503.4/24

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.377+/-0.000 χ^2/NDF: 26976115238.7/29

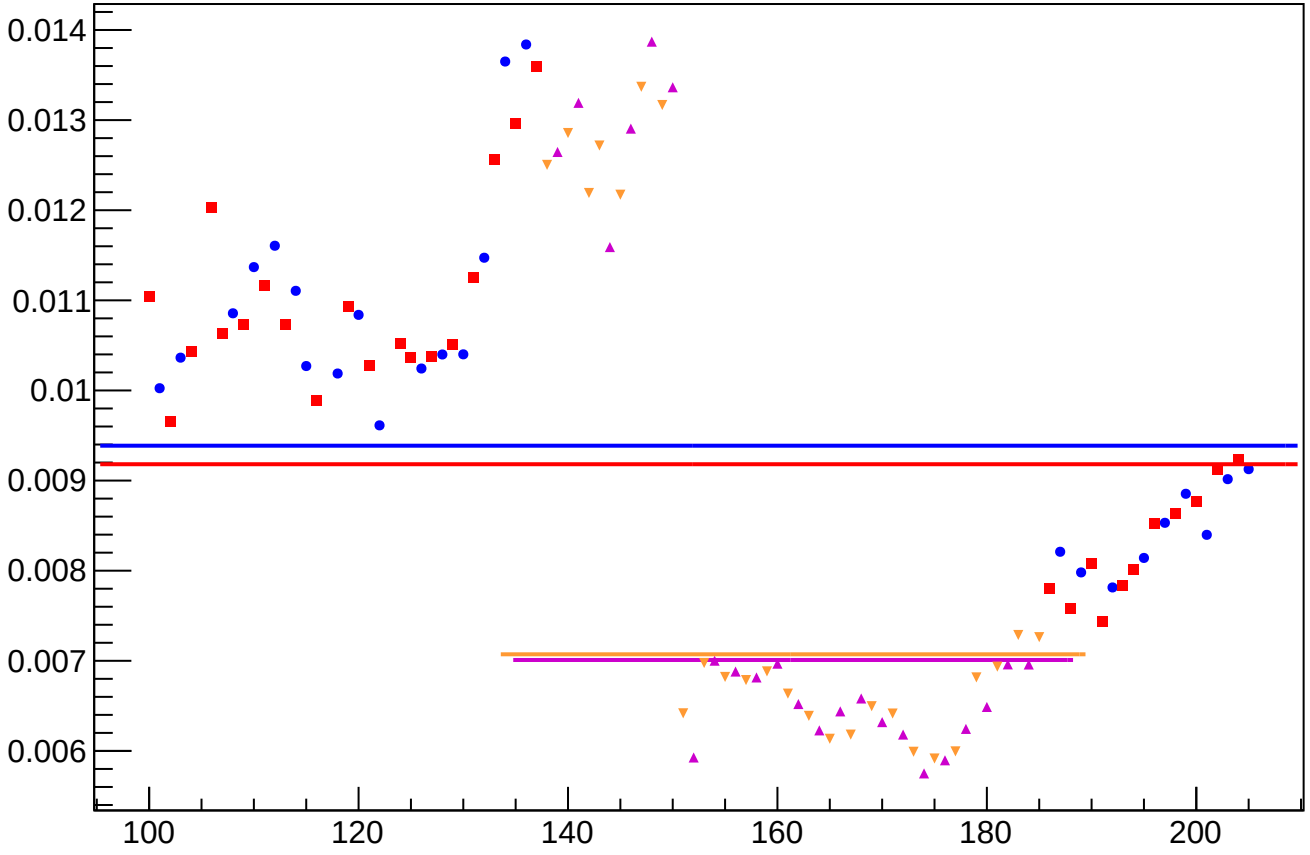
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.411+/-0.000 χ^2/NDF: 105568317395.9/49

All: -0.409+/-0.000 χ^2/NDF: 223014489632.8

- sign -0.406+/-0.000 χ^2/NDF: 117439973009.5/52

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 626737.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

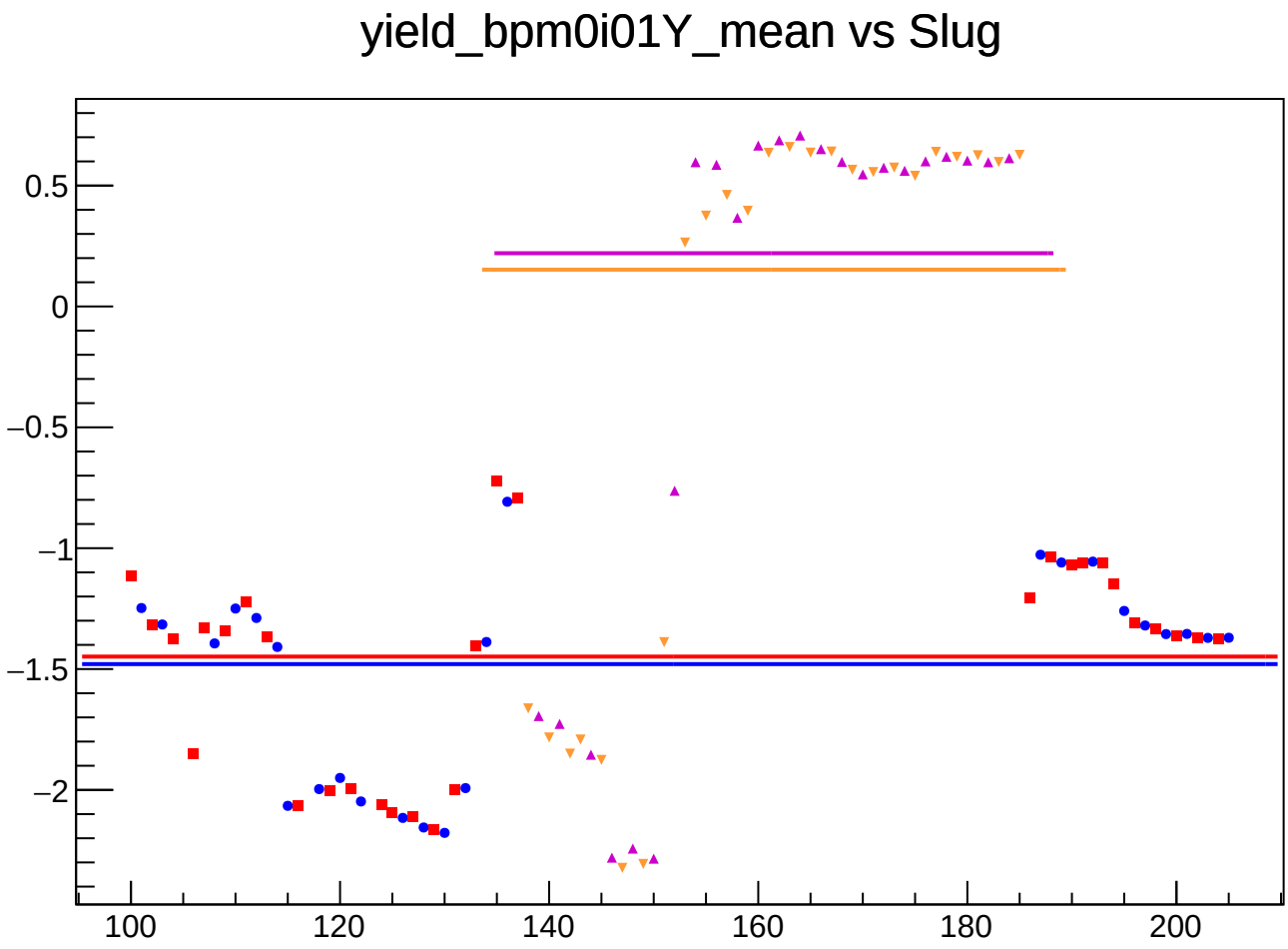
Right Out: 0.009+/-0.000 χ^2/NDF: 675256.8/29

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4159578.2/49

All: 0.008+/-0.000 χ^2/NDF: 8384430.2/102

- sign 0.008+/-0.000 χ^2/NDF: 4224546.7/52



Right In: -1.480+/-0.000 χ^2/NDF: 182697122234.0/24

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.449+/-0.000 χ^2/NDF: 172023048373.1/29

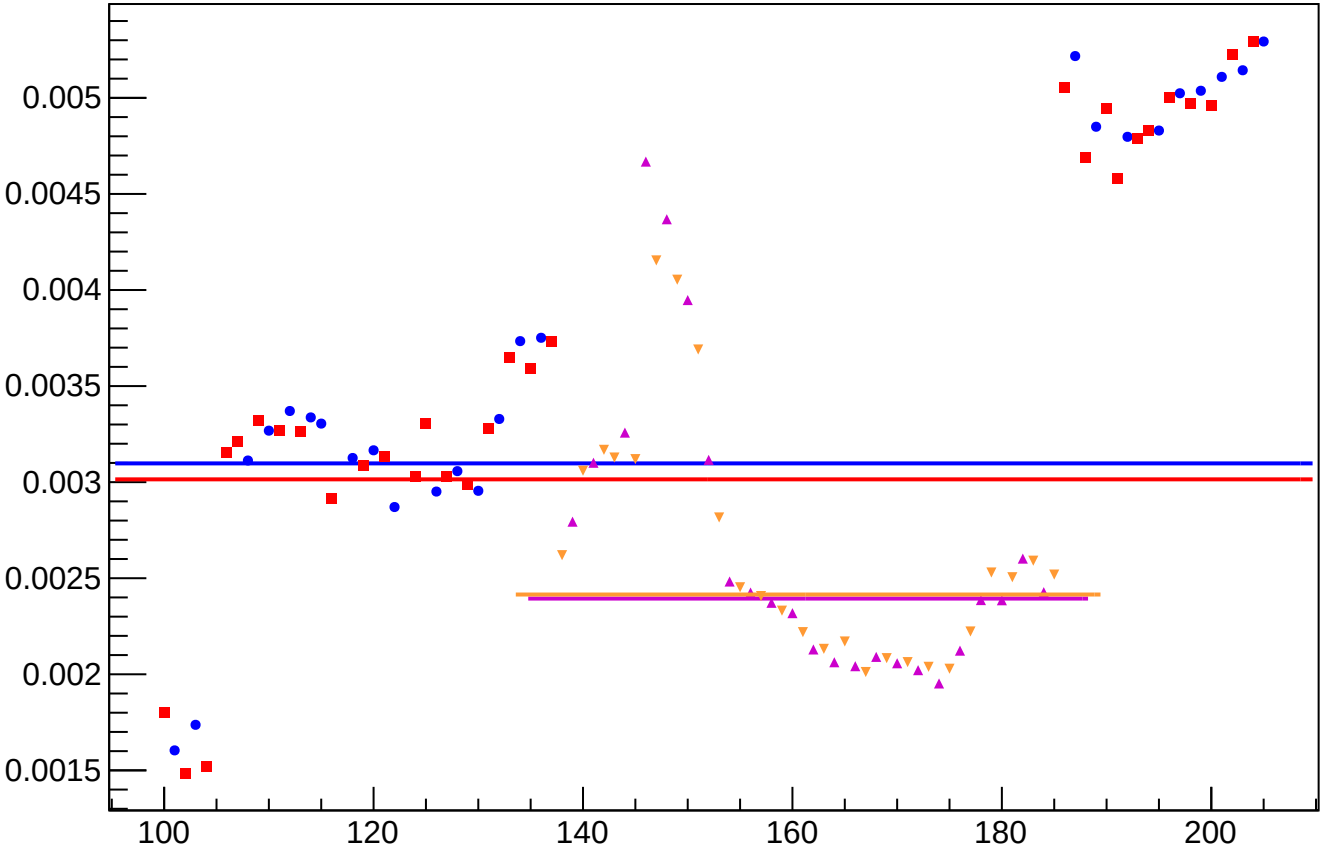
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.320+/-0.000 χ^2/NDF: 4837346807597.2/4

All: -0.320+/-0.000 χ^2/NDF: 9643943197612

- sign -0.320+/-0.000 χ^2/NDF: 4806596138020.4/52

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3665700.5/24

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

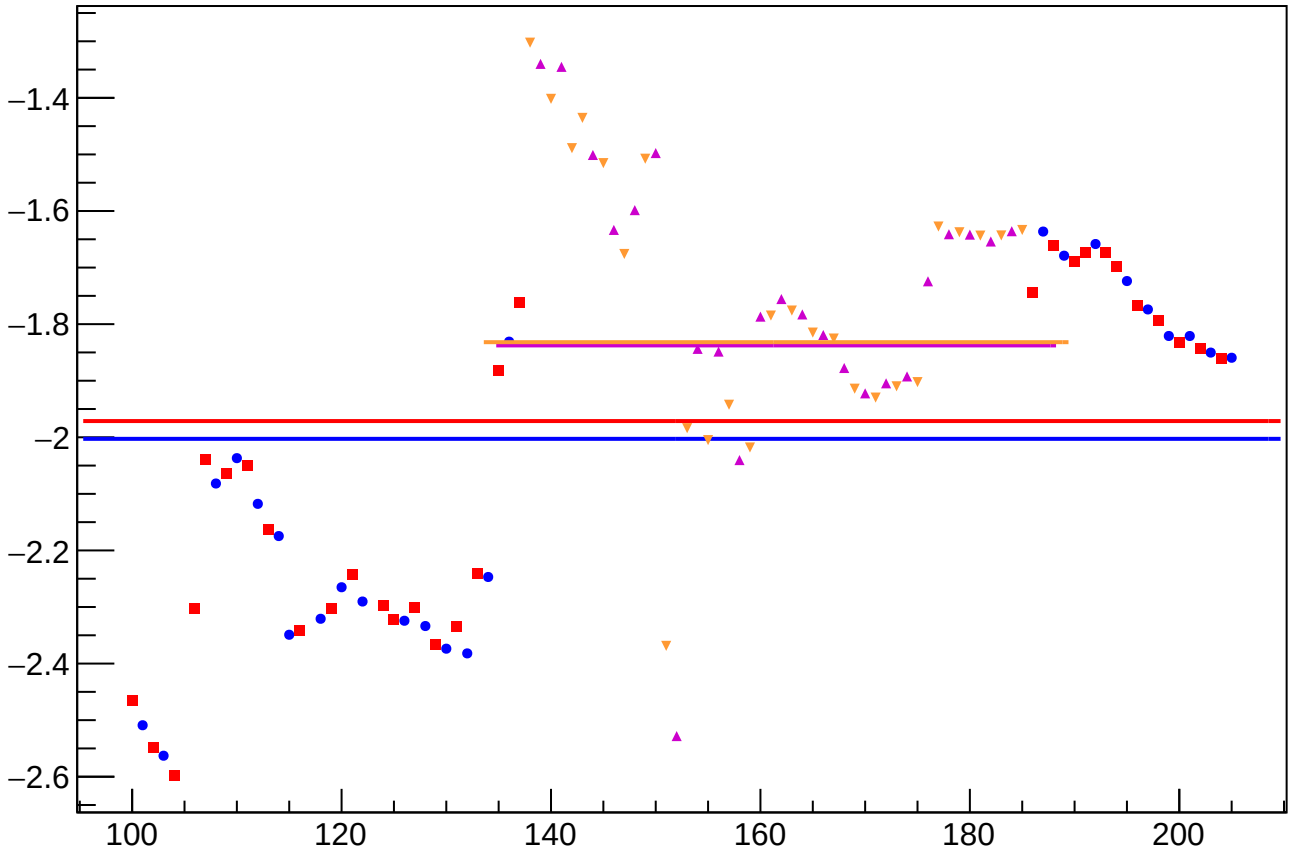
Right Out: 0.003+/-0.000 χ^2/NDF: 4662164.5/29

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 5675373.0/49

All: 0.003+/-0.000 χ^2/NDF: 12443282.7/102

- sign 0.003+/-0.000 χ^2/NDF: 6766593.9/52



Right In: -2.003+/-0.000 χ^2/NDF: 32609945861.0/24

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.971+/-0.000 χ^2/NDF: 37106113024.3/29

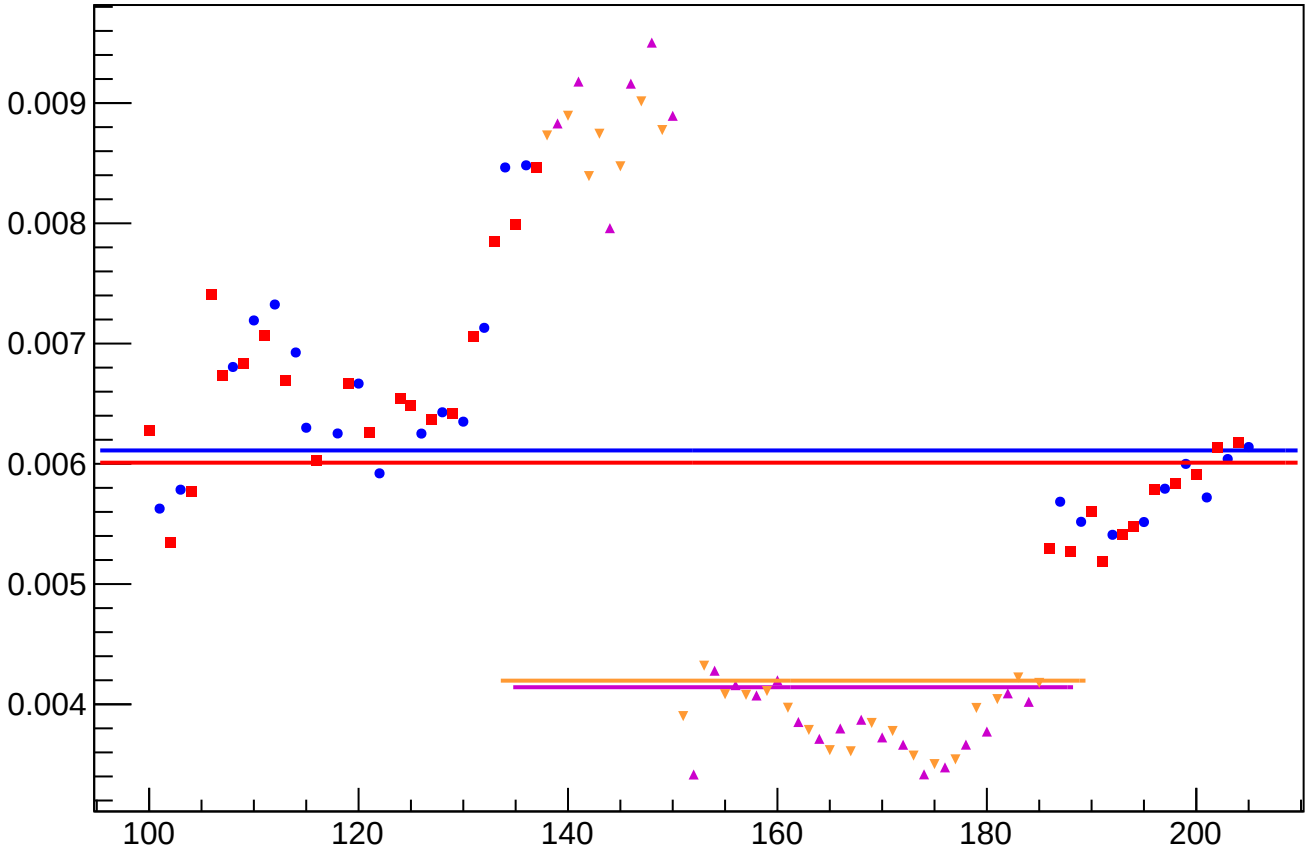
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78688965560.5/49

All: -1.878+/-0.000 χ^2/NDF: 174337728520.9

- sign -1.878+/-0.000 χ^2/NDF: 95648761550.4/52

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 365653.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 379464.6/29

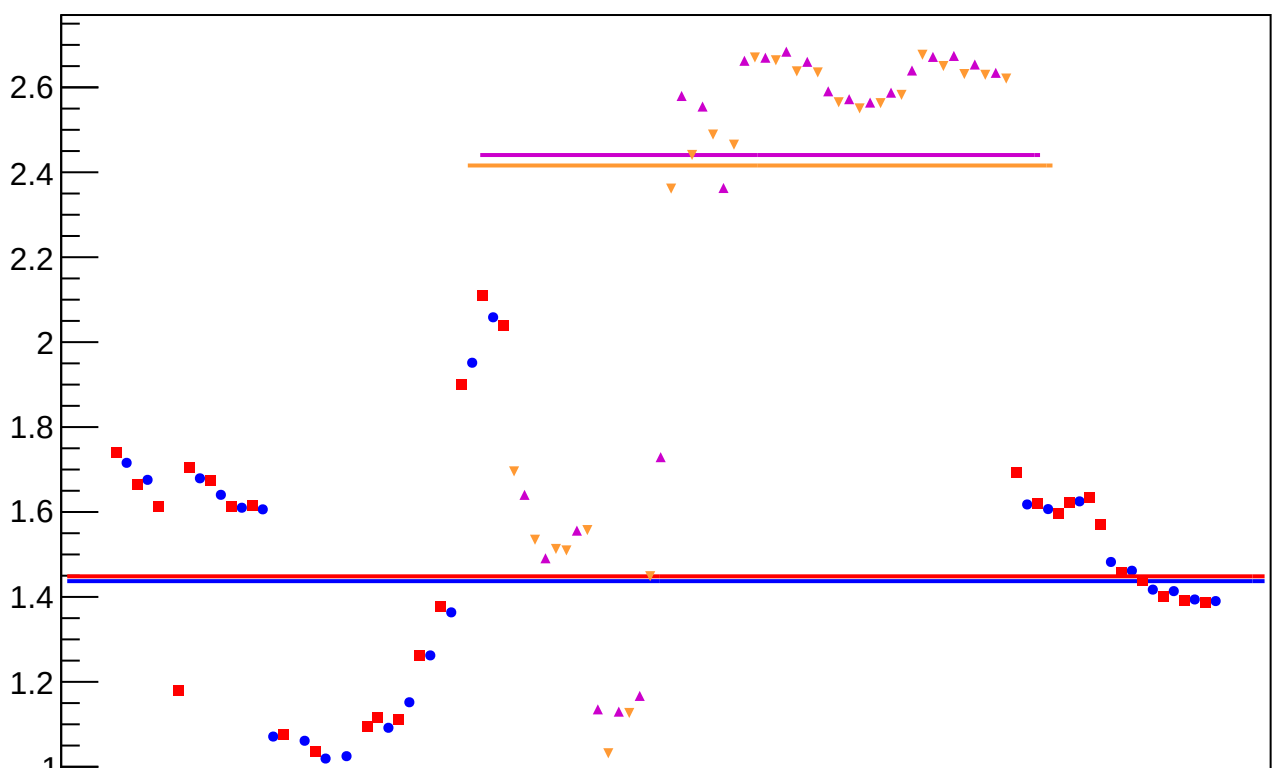
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5393653.7/49

All: 0.005+/-0.000 χ^2/NDF: 10958539.5/102

- sign 0.005+/-0.000 χ^2/NDF: 5564834.2/52

yield_bpm0i01aY_mean vs Slug



Right In: 1.437+/-0.000 χ^2/NDF: 191422723181.6/24

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186557943934.4/29

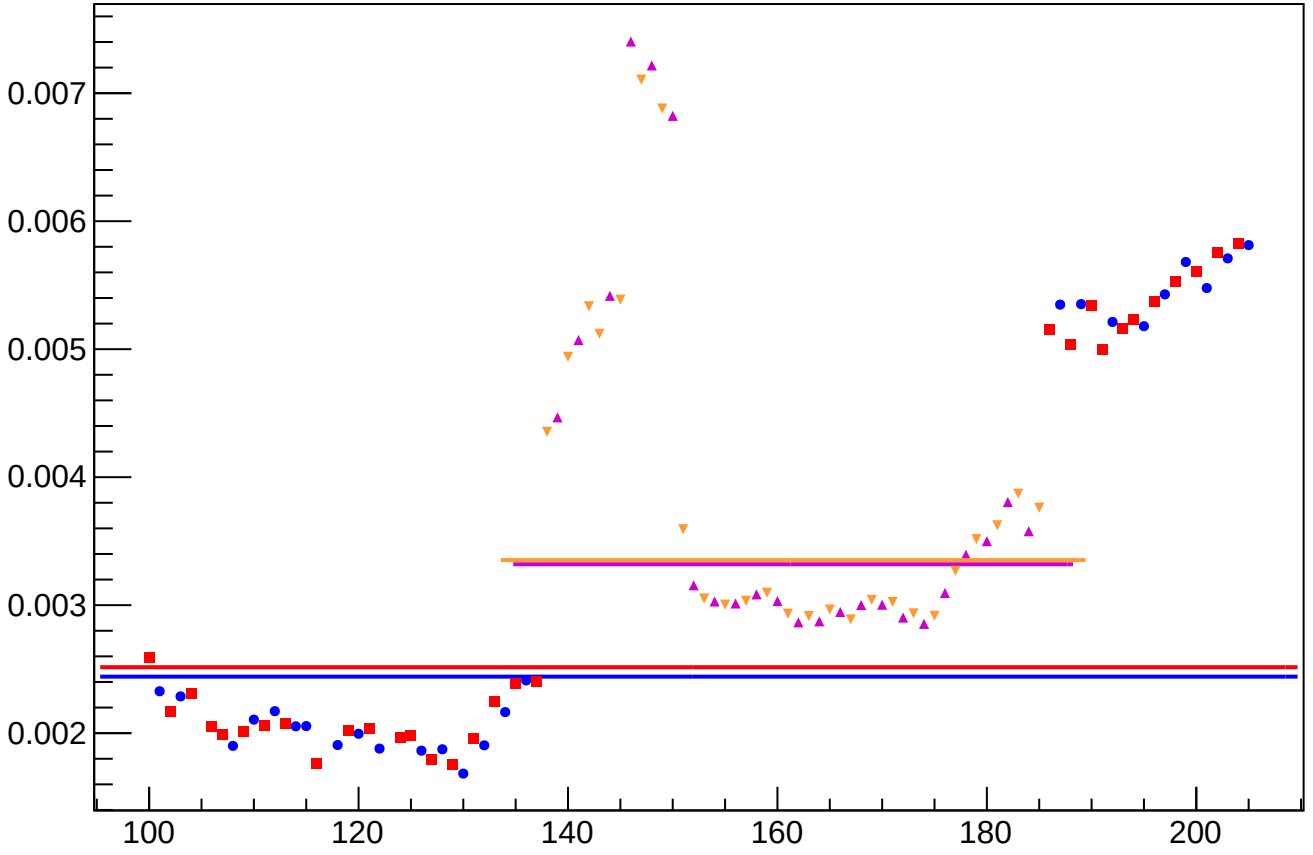
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.883+/-0.000 χ^2/NDF: 1243563741519.0/49

All: 1.883+/-0.000 χ^2/NDF: 2482051071132.

- sign 1.883+/-0.000 χ^2/NDF: 1238486512152.9/52

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4891681.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

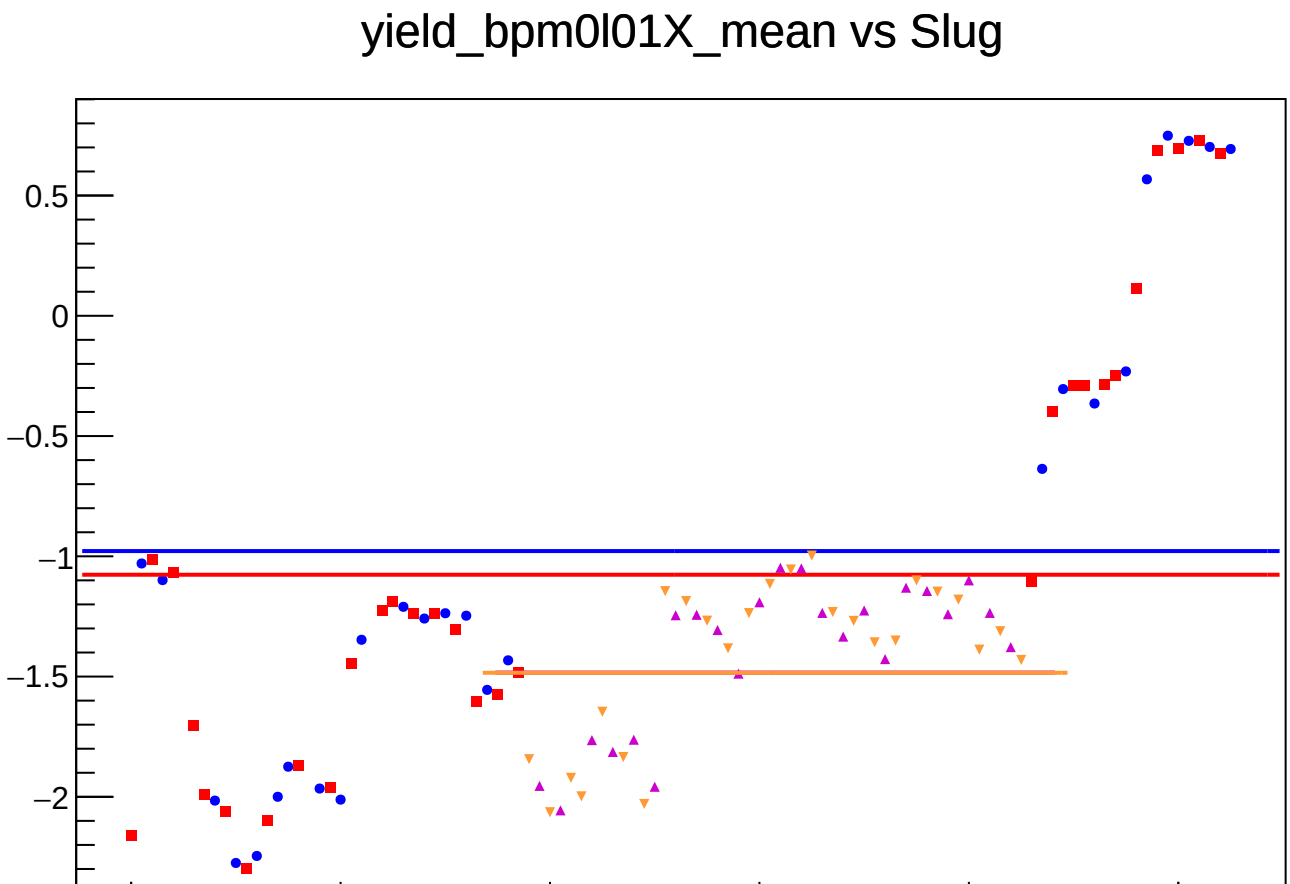
Right Out: 0.003+/-0.000 χ^2/NDF: 5365294.5/29

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 8112707.0/49

All: 0.003+/-0.000 χ^2/NDF: 16611628.1/102

- sign 0.003+/-0.000 χ^2/NDF: 8498540.5/52



Right In: -0.978+/-0.000 χ^2/NDF: 168709894873.7/24

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.077+/-0.000 χ^2/NDF: 193564648075.2/29

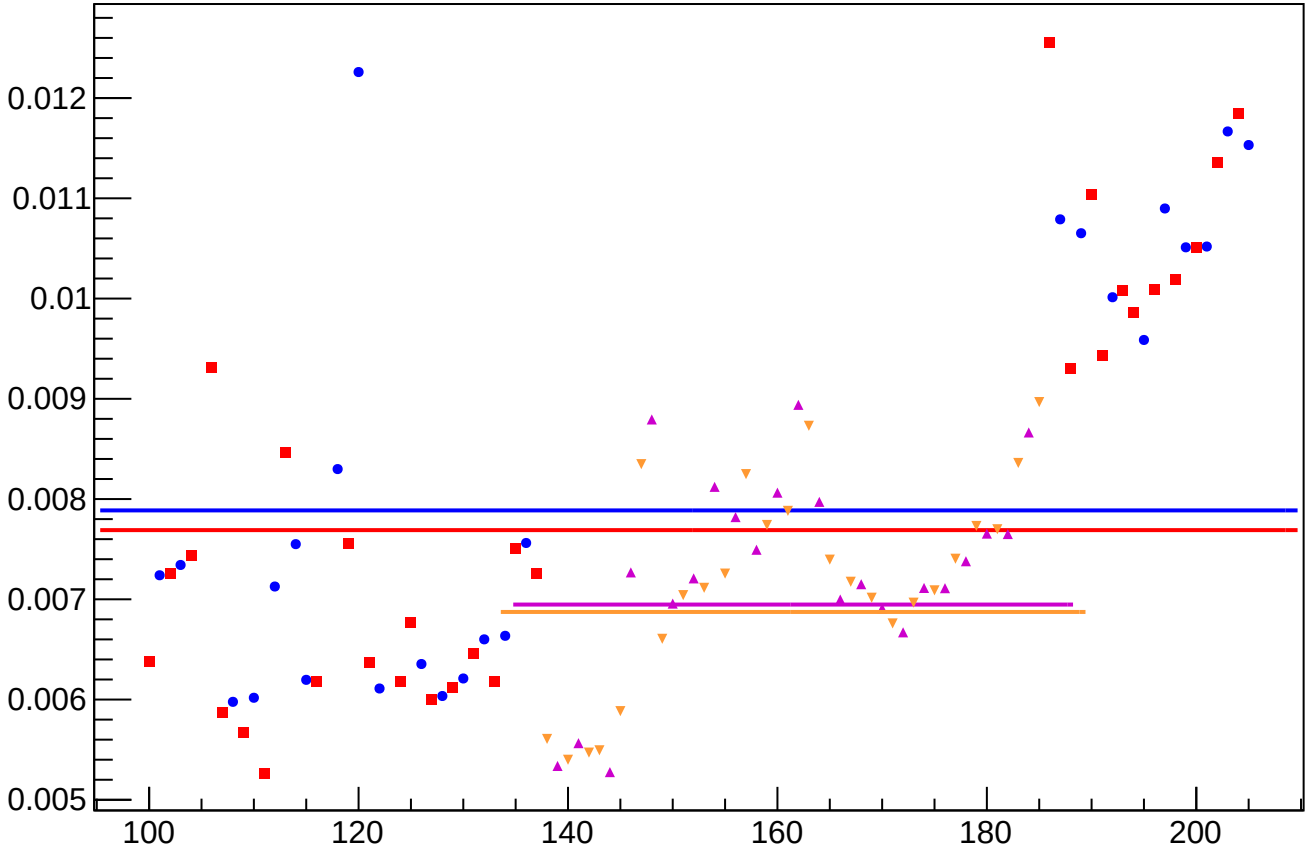
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.310+/-0.000 χ^2/NDF: 250884303885.3/49

All: -1.316+/-0.000 χ^2/NDF: 508094704101.2

- sign -1.321+/-0.000 χ^2/NDF: 257175068350.0/52

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1505114.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

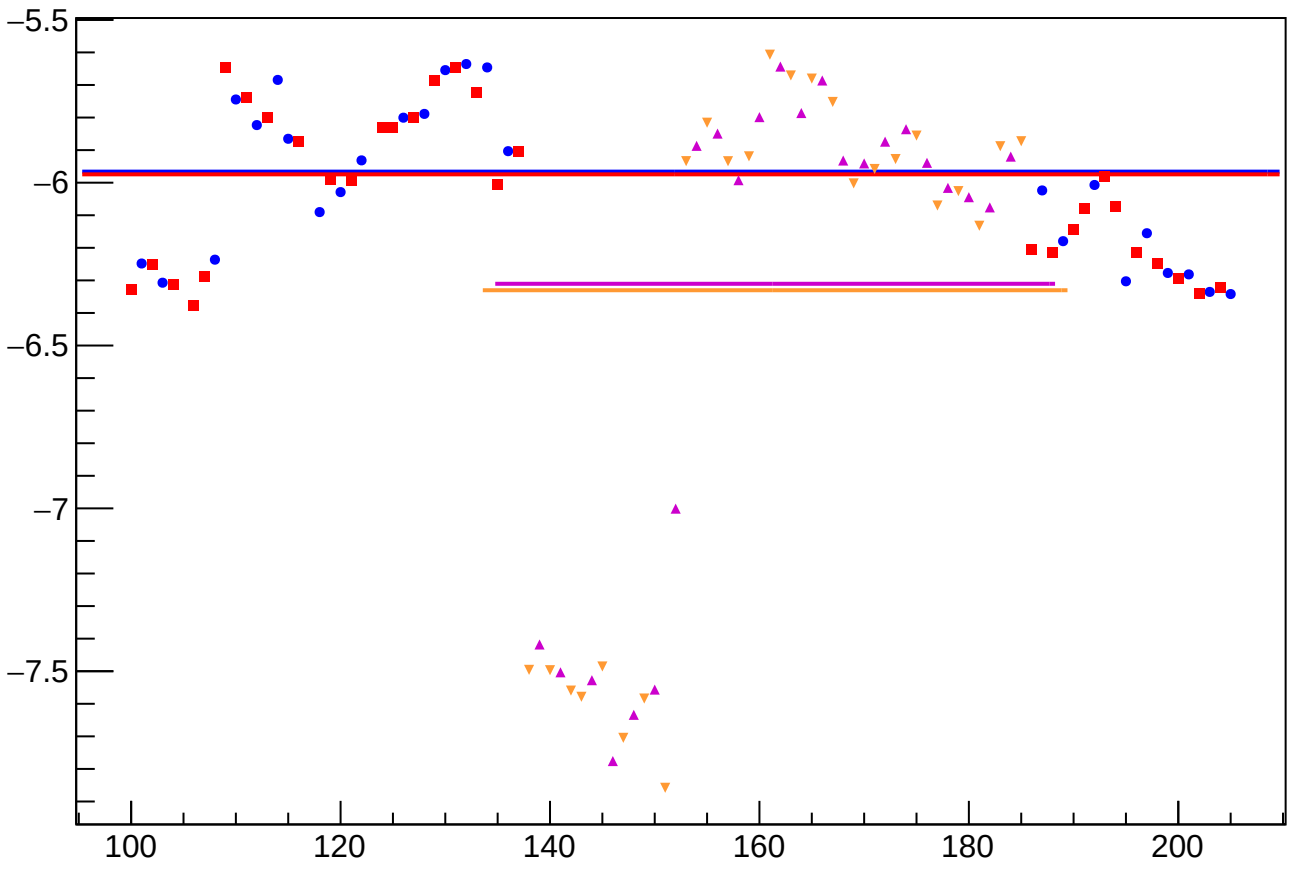
Right Out: 0.008+/-0.000 χ^2/NDF: 1799302.9/29

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2521007.9/49

All: 0.007+/-0.000 χ^2/NDF: 5222325.3/102

- sign 0.007+/-0.000 χ^2/NDF: 2701050.1/52



Right In: -5.966+/-0.000 χ^2/NDF: 15034631466.7/24

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.974+/-0.000 χ^2/NDF: 15791109620.9/29

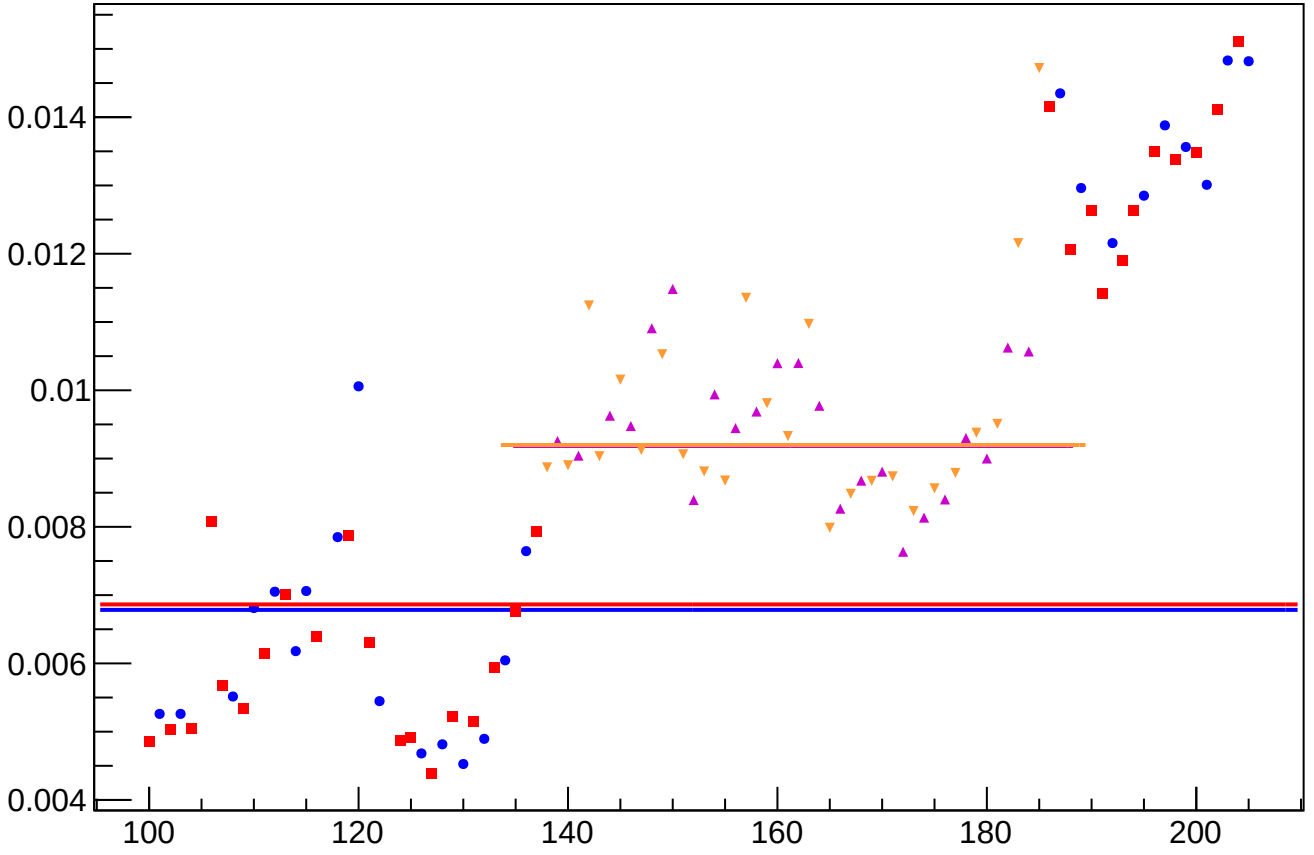
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.129+/-0.000 χ^2/NDF: 139315563429.7/49

All: -6.122+/-0.000 χ^2/NDF: 258861934623.8

- sign -6.115+/-0.000 χ^2/NDF: 119499230605.2/52

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4350148.6/24

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4606659.0/29

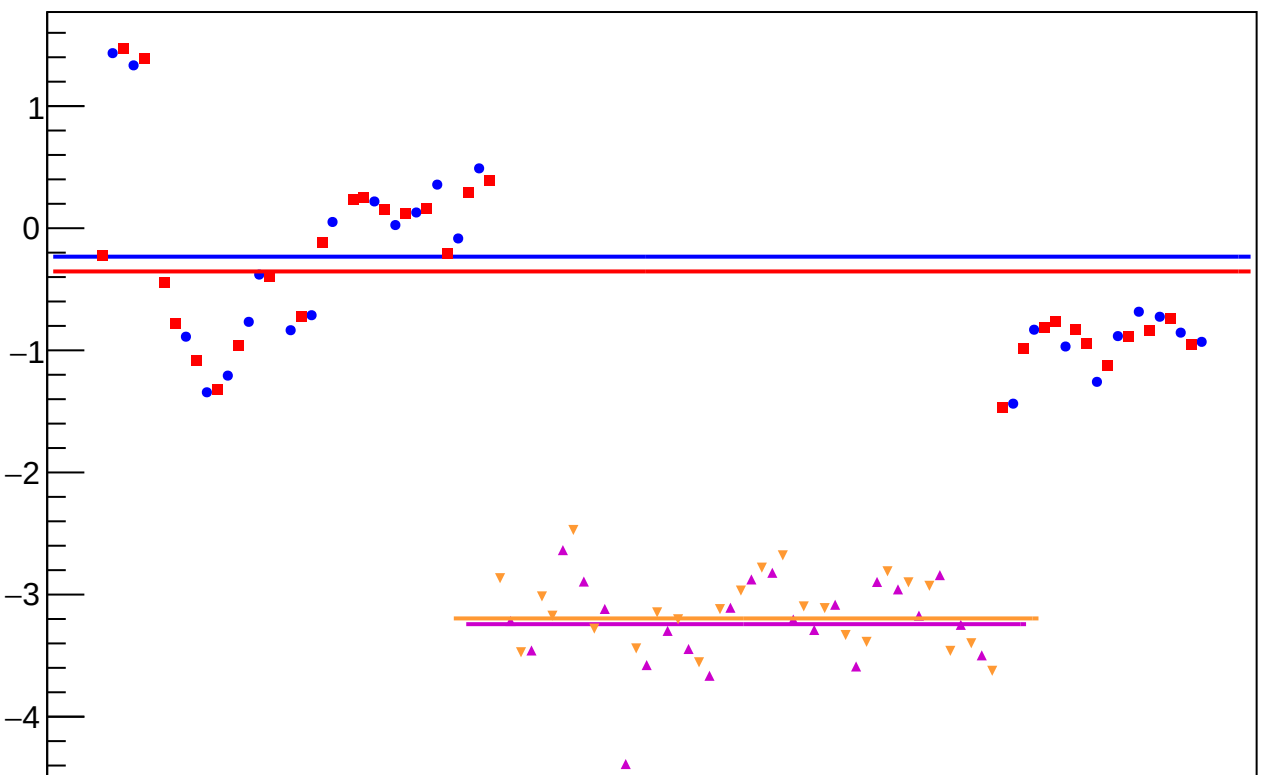
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 5944057.3/49

All: 0.008+/-0.000 χ^2/NDF: 12016588.5/102

- sign 0.008+/-0.000 χ^2/NDF: 6072008.4/52

yield_bpm0l02X_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 32471863565.9/24

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.354+/-0.000 χ^2/NDF: 34639810677.6/29

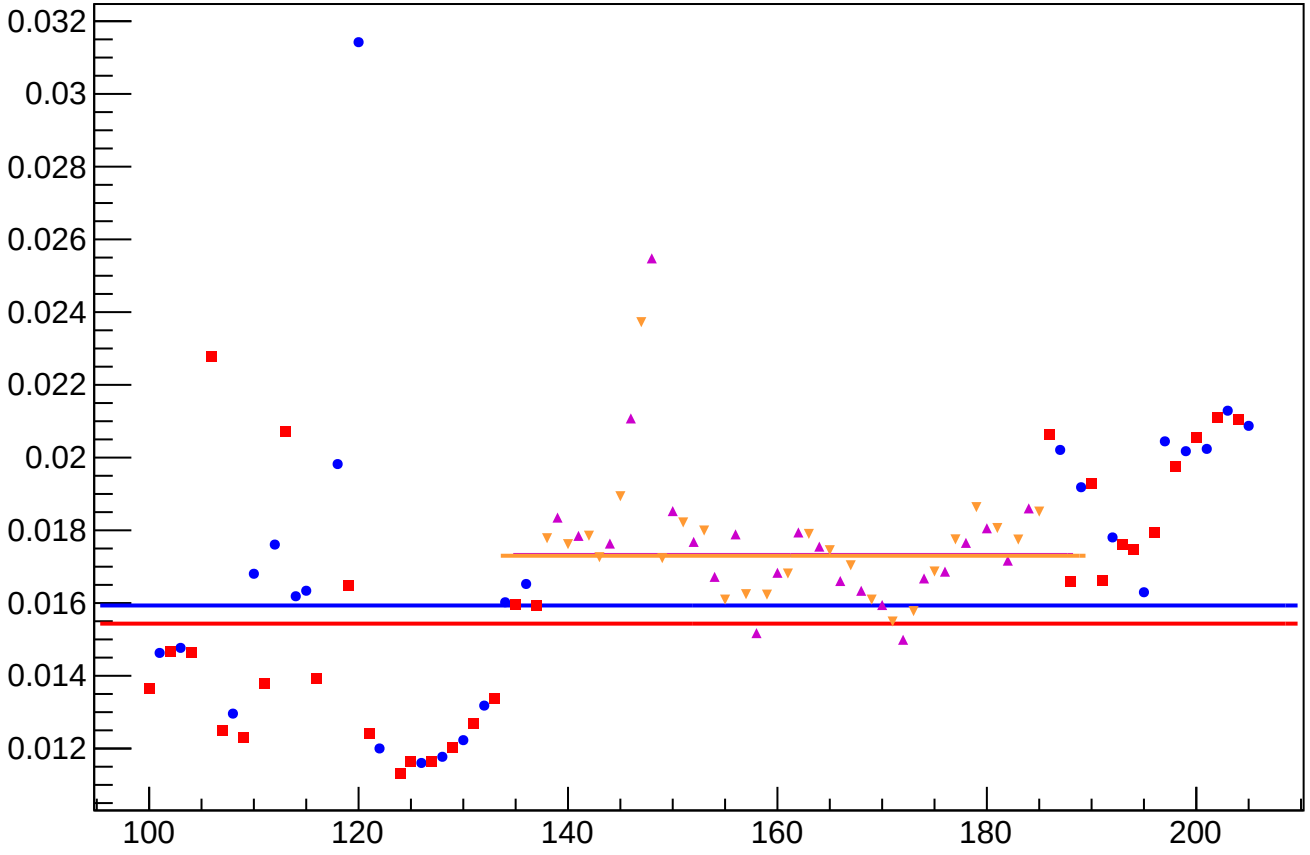
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.877+/-0.000 χ^2/NDF: 284398151874.4/49

All: -1.832+/-0.000 χ^2/NDF: 572545428274.5

- sign -1.789+/-0.000 χ^2/NDF: 287705951568.9/52

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1185751.2/24

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1190545.7/29

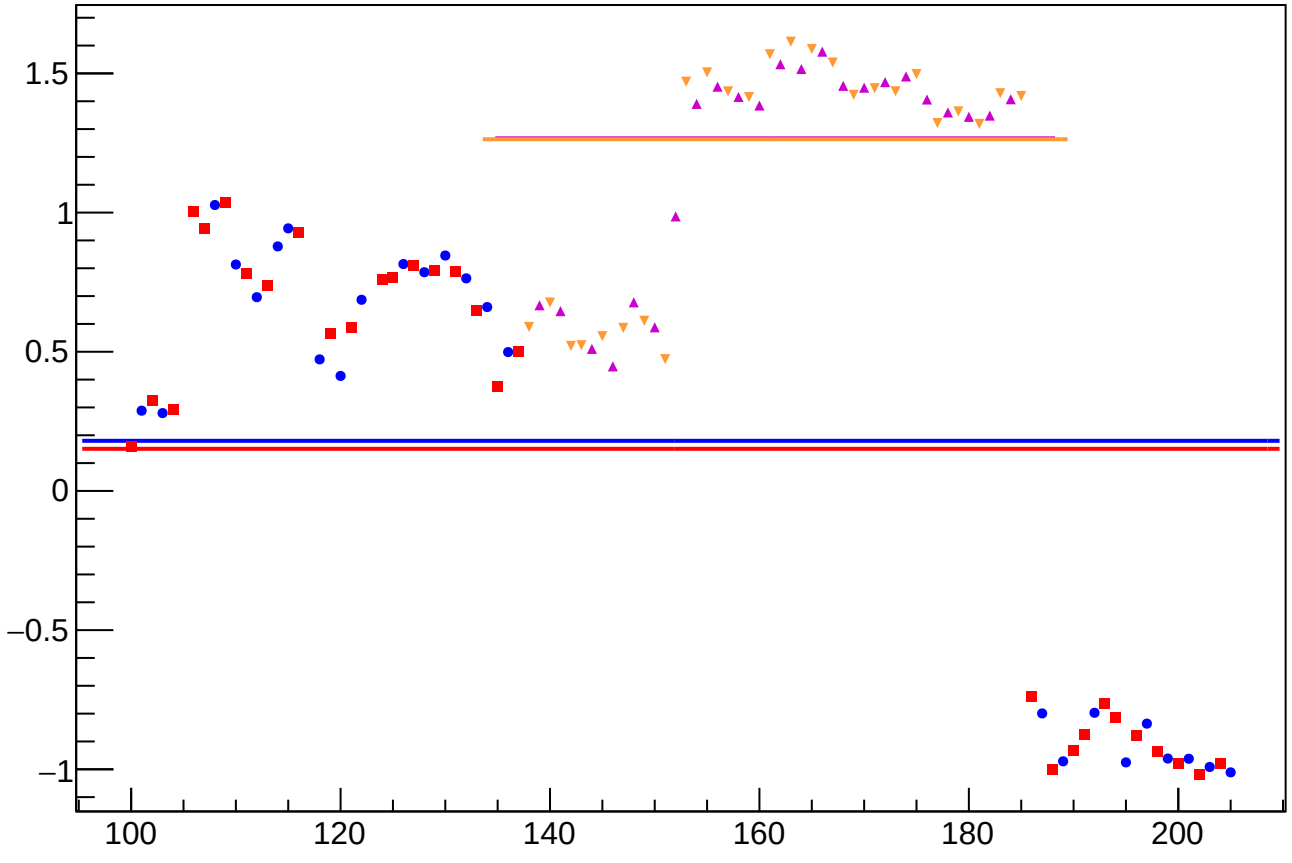
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1507133.0/49

All: 0.017+/-0.000 χ^2/NDF: 3248875.5/102

- sign 0.016+/-0.000 χ^2/NDF: 1730020.0/52

yield_bpm0l02Y_mean vs Slug



Right In: 0.180+/-0.000 χ^2/NDF: 68513000141.2/24

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 81232947043.4/29

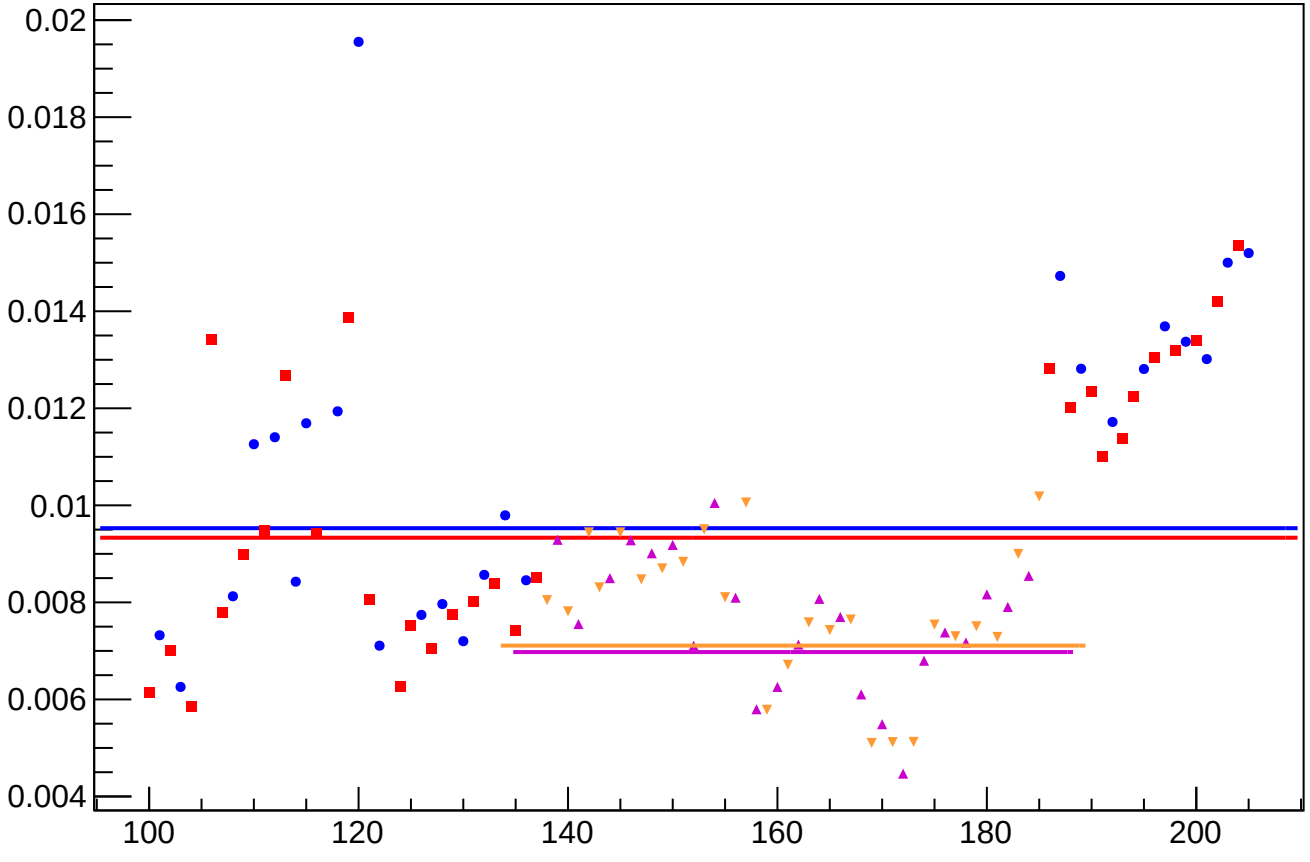
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.959+/-0.000 χ^2/NDF: 225027117381.9/49

All: 0.939+/-0.000 χ^2/NDF: 473926617207.6

- sign 0.919+/-0.000 χ^2/NDF: 248507386456.4/52

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2154758.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2305934.4/29

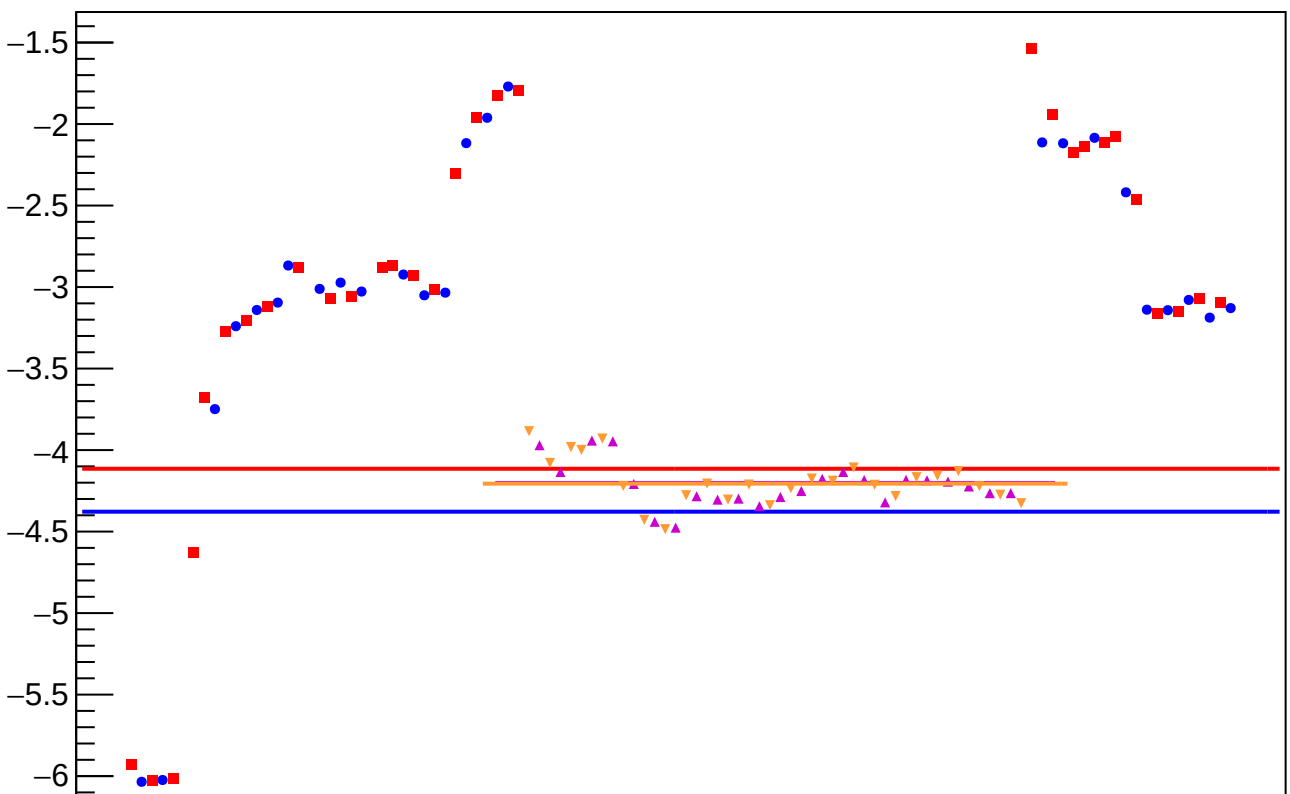
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 4781171.7/49

All: 0.008+/-0.000 χ^2/NDF: 9704418.0/102

- sign 0.008+/-0.000 χ^2/NDF: 4920419.9/52

yield_bpm0l03X_mean vs Slug



Right In: -4.378+/-0.000 χ^2/NDF: 278890727694.4/24

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297643782537.2/29

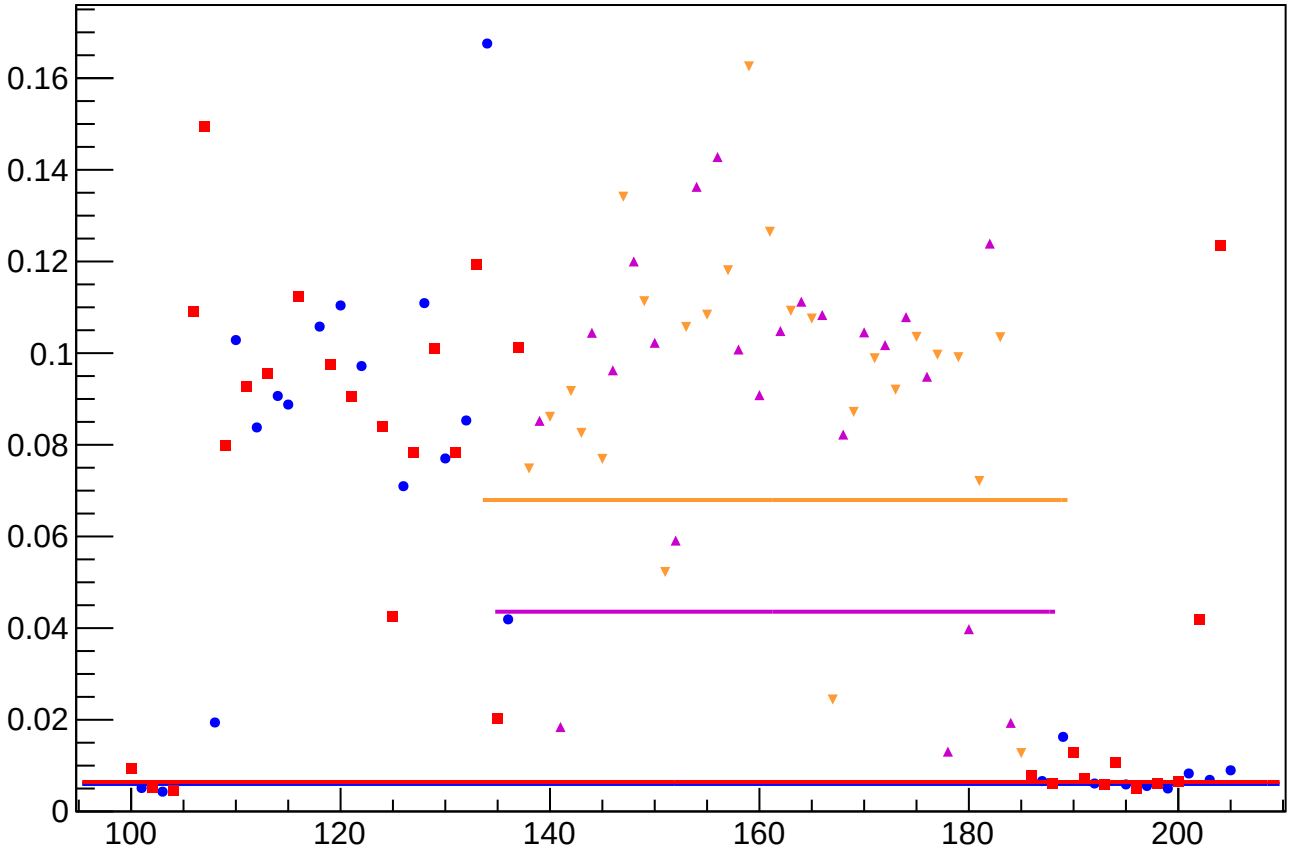
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.374+/-0.000 χ^2/NDF: 279028954205.6/49

All: -4.257+/-0.000 χ^2/NDF: 579914350865.1

- sign -4.119+/-0.000 χ^2/NDF: 297716158270.8/52

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8906876.6/24

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 10452262.4/29

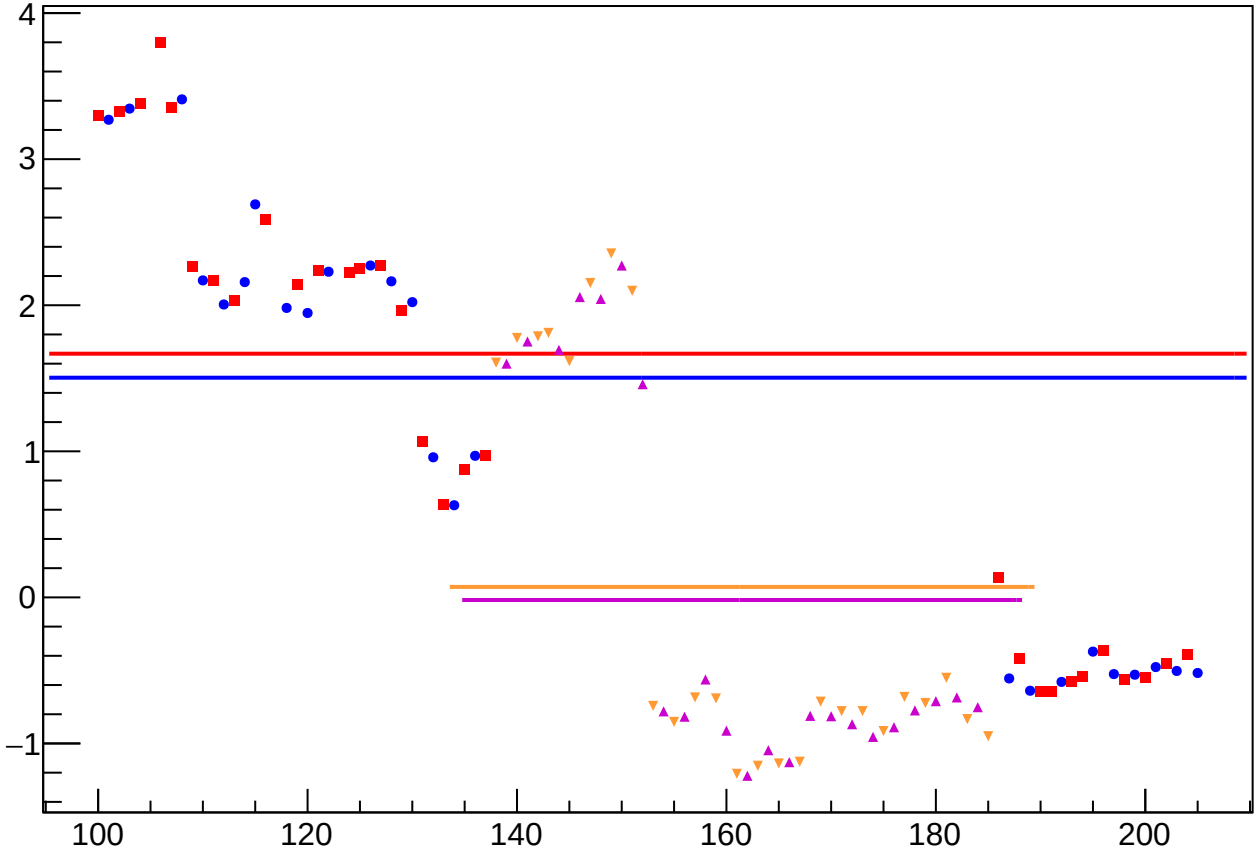
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36451457.1/49

All: 0.008+/-0.000 χ^2/NDF: 70480223.9/102

- sign 0.008+/-0.000 χ^2/NDF: 33997953.2/52

yield_bpm0l03Y_mean vs Slug



Right In: 1.504+/-0.000 χ^2/NDF: 208323210485.2/24

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.668+/-0.000 χ^2/NDF: 182351727603.8/29

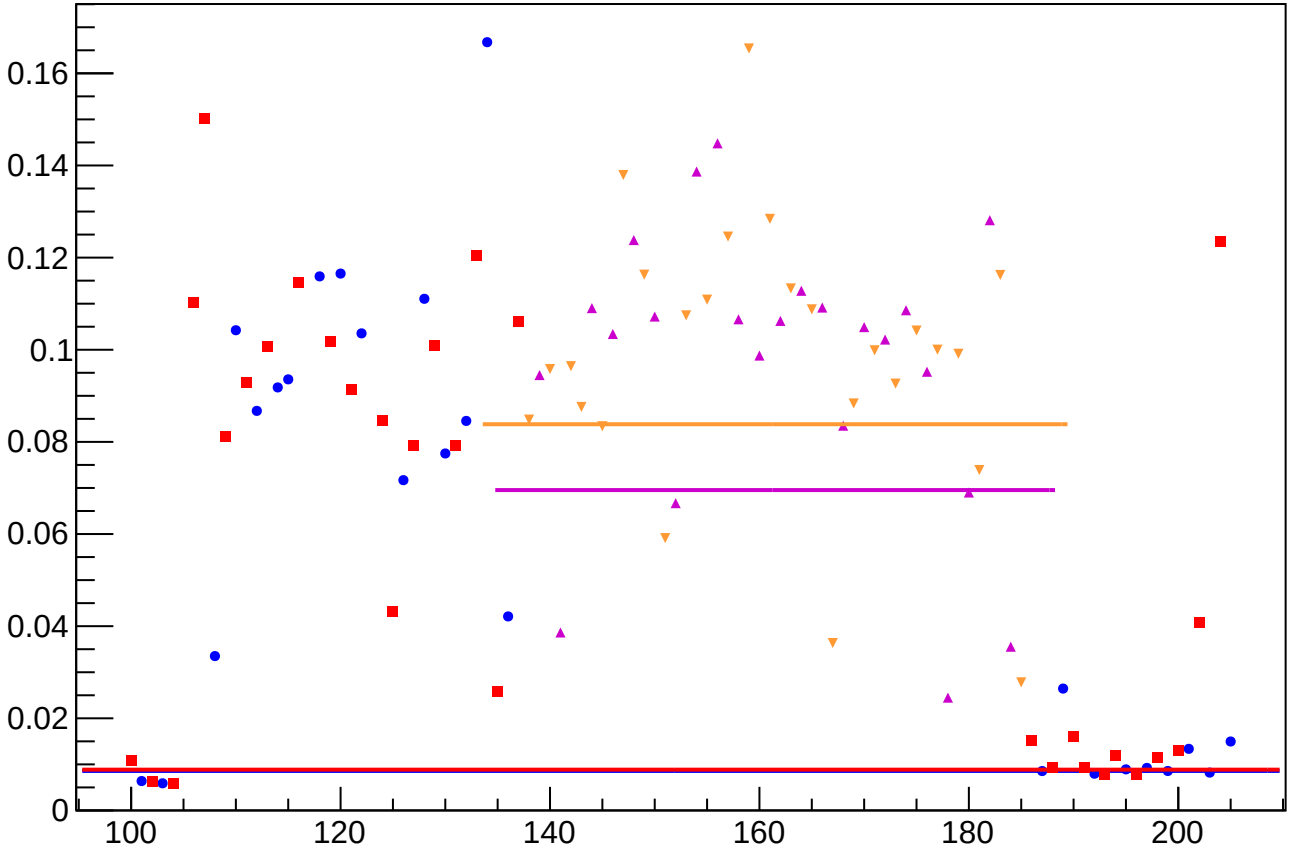
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.455+/-0.000 χ^2/NDF: 216034417736.4/49

All: 1.521+/-0.000 χ^2/NDF: 408854675844.6

- sign 1.594+/-0.000 χ^2/NDF: 192270540949.2/52

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8756125.4/24

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

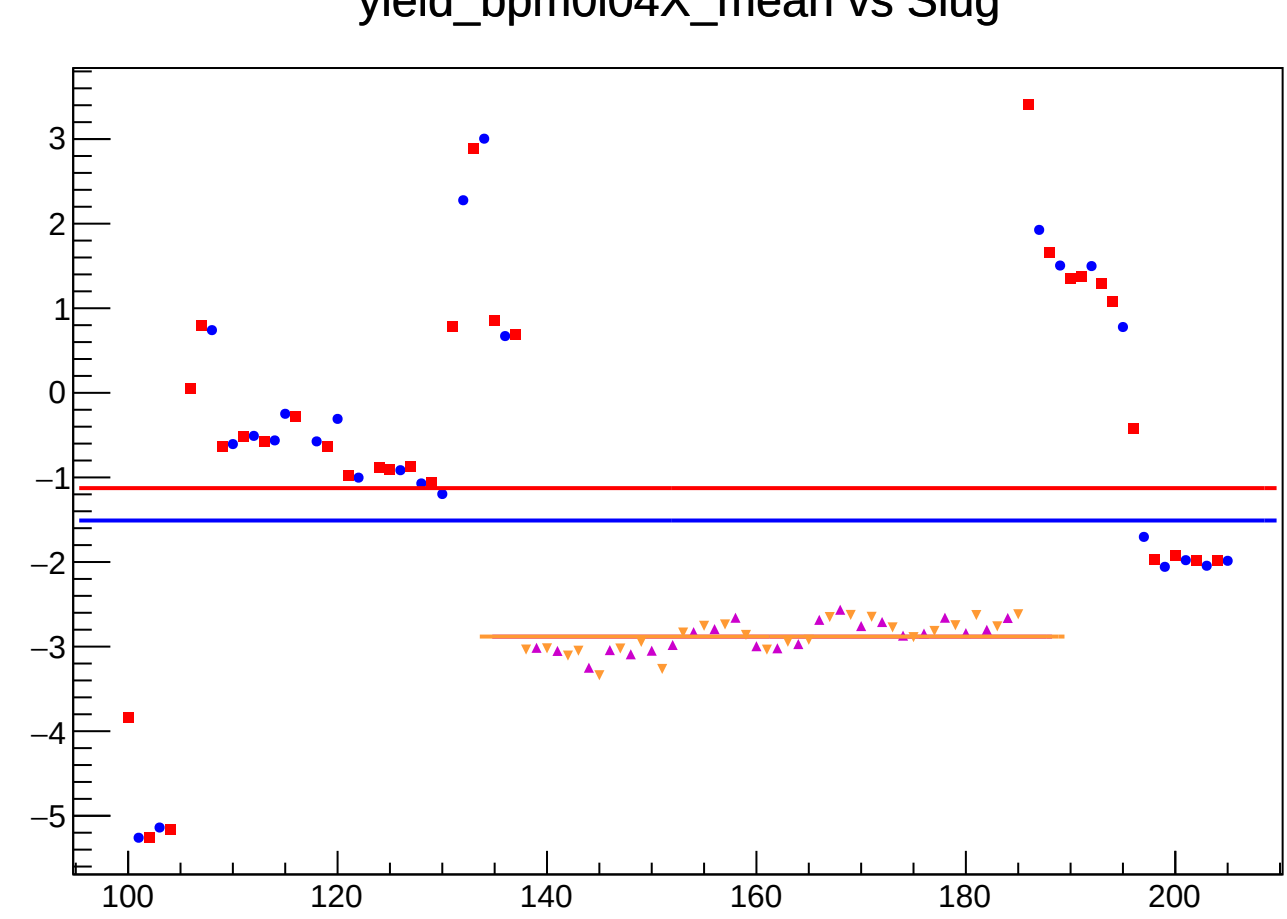
Right Out: 0.009+/-0.000 χ^2/NDF: 10218938.7/29

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35090066.0/49

All: 0.011+/-0.000 χ^2/NDF: 68757438.2/102

- sign 0.012+/-0.000 χ^2/NDF: 33659248.9/52



Right In: -1.509+/-0.000 χ^2/NDF: 208010203093.0/24

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.126+/-0.000 χ^2/NDF: 234978799953.6/29

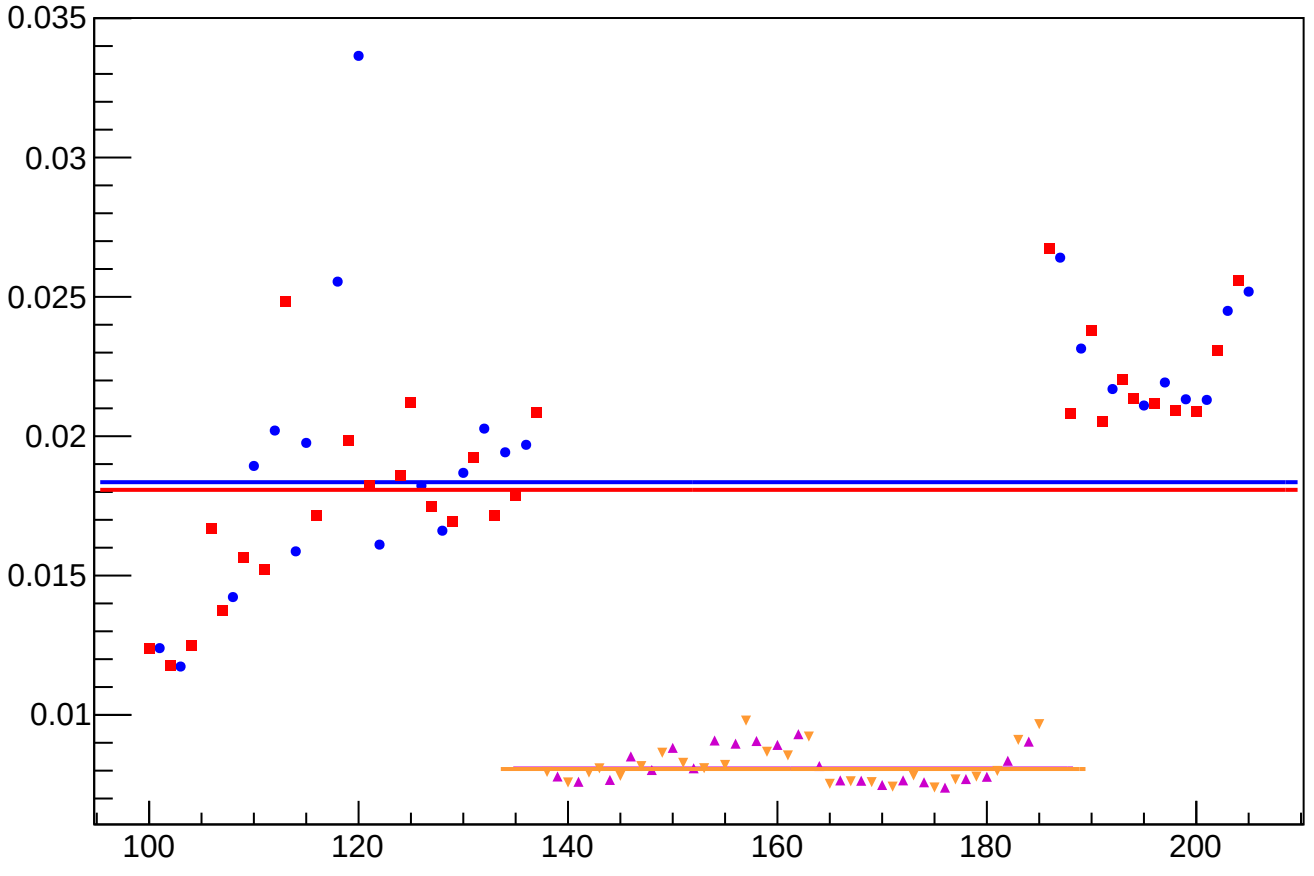
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.728+/-0.000 χ^2/NDF: 278384727820.5/49

All: -2.687+/-0.000 χ^2/NDF: 633974785647.0

- sign -2.646+/-0.000 χ^2/NDF: 354532095114.5/52

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1458990.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1353006.6/29

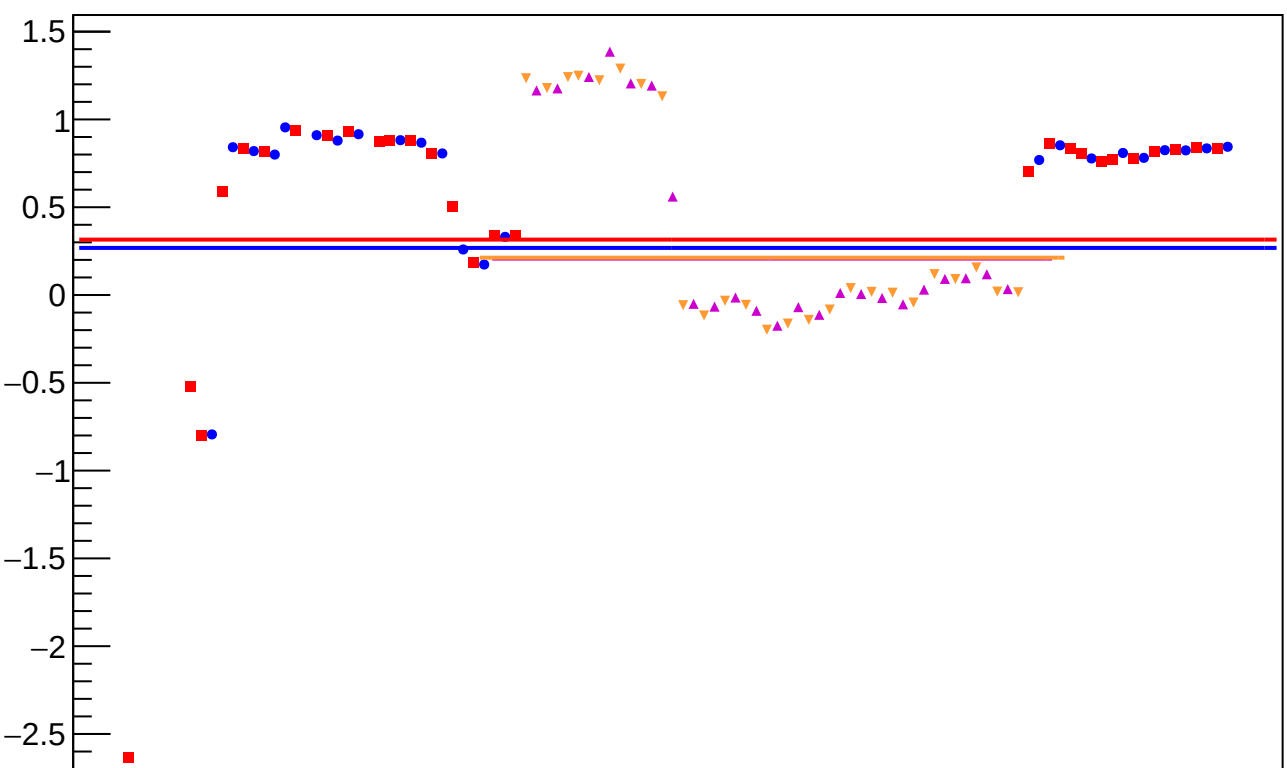
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 8377302.6/49

All: 0.009+/-0.000 χ^2/NDF: 17139289.2/102

- sign 0.009+/-0.000 χ^2/NDF: 8747346.5/52

yield_bpm0l04Y_mean vs Slug



Right In: 0.268+/-0.000 χ^2/NDF: 948786169772.4/24

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.316+/-0.000 χ^2/NDF: 1039492775775.2/29

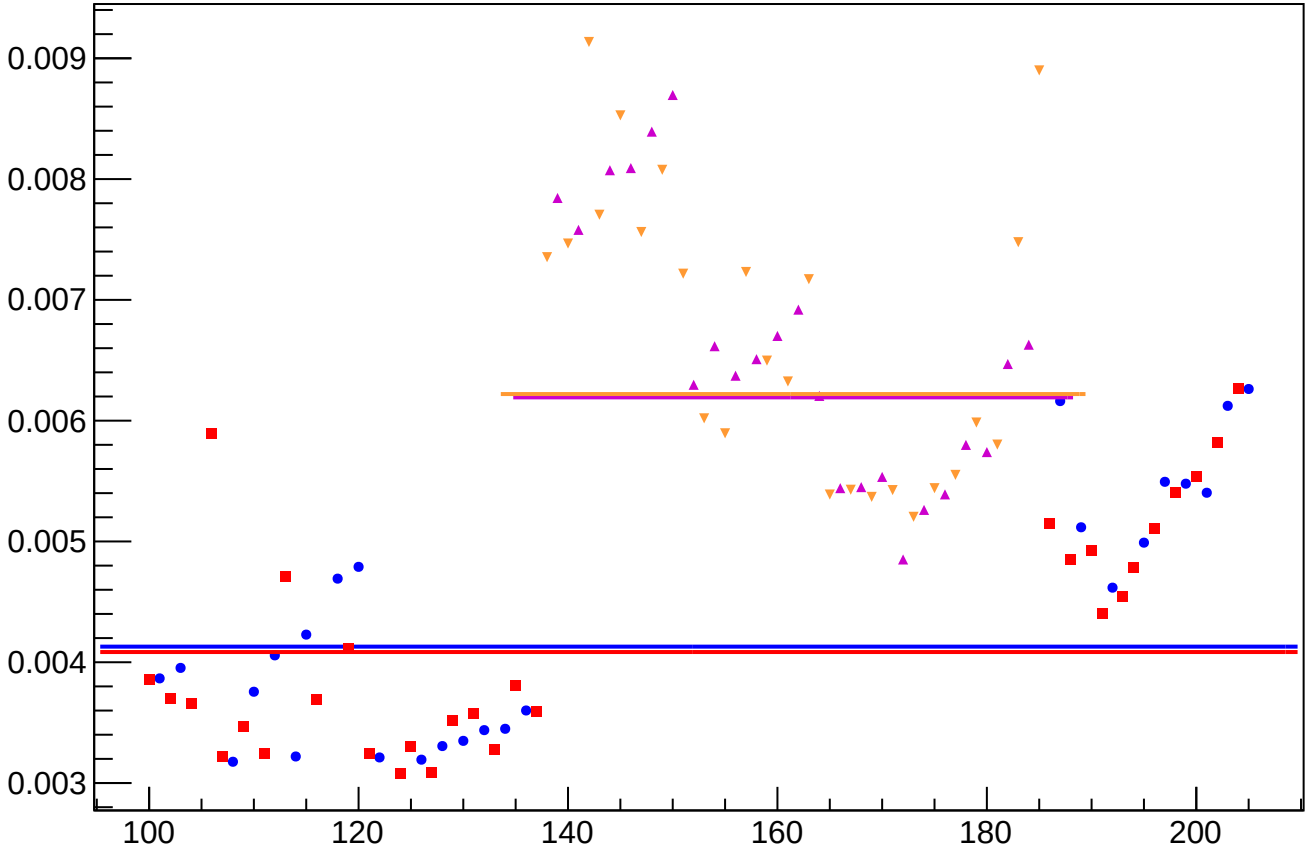
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.248+/-0.000 χ^2/NDF: 1052447500770.3/49

All: 0.265+/-0.000 χ^2/NDF: 2182927159831.

- sign 0.280+/-0.000 χ^2/NDF: 1129851028217.7/52

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1289101.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

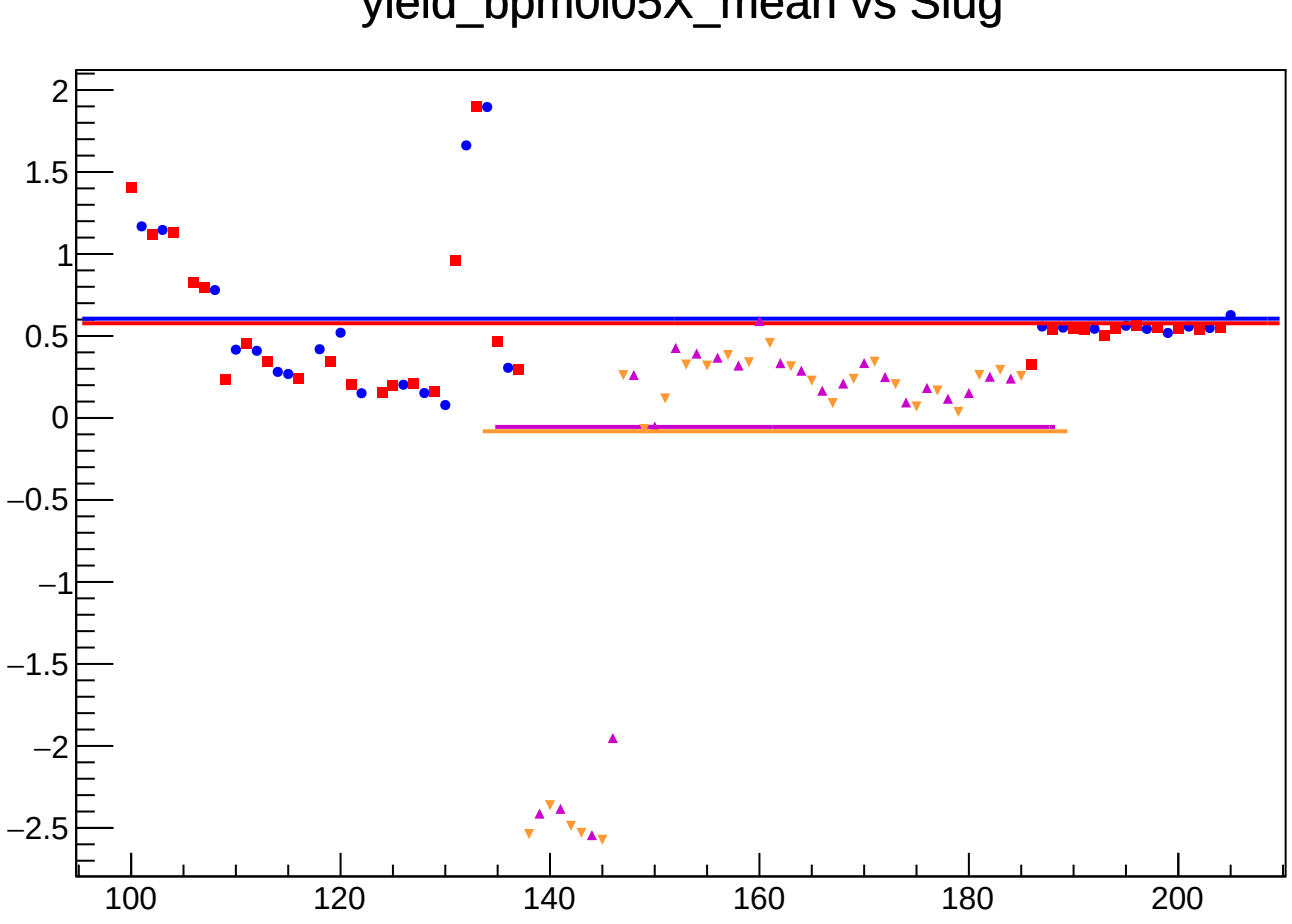
Right Out: 0.004+/-0.000 χ^2/NDF: 1338353.8/29

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4492864.0/49

All: 0.005+/-0.000 χ^2/NDF: 9131331.0/102

- sign 0.005+/-0.000 χ^2/NDF: 4622039.1/52



Right In: 0.606+/-0.000 χ^2/NDF: 43711447635.5/24

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.577+/-0.000 χ^2/NDF: 43713004634.3/29

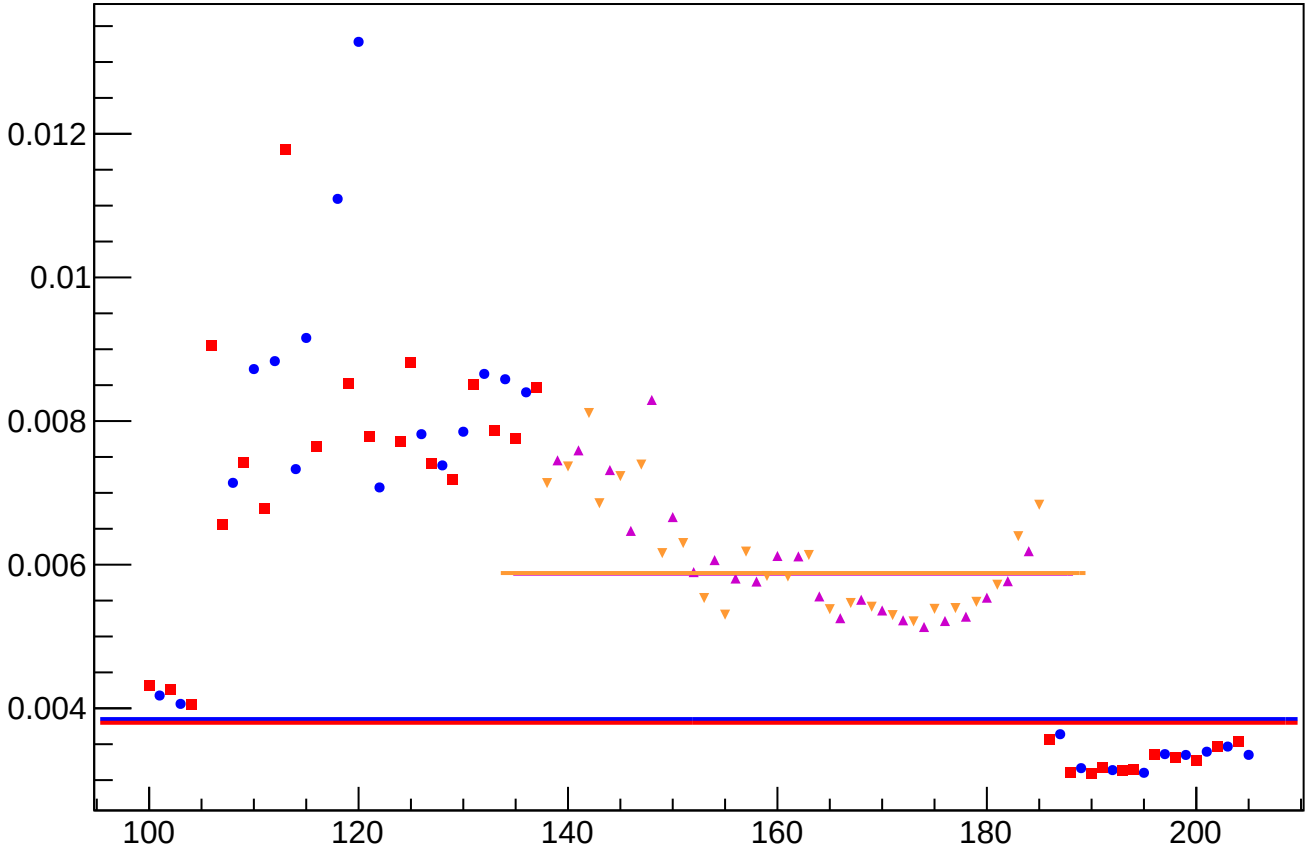
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.330+/-0.000 χ^2/NDF: 574975611946.3/49

All: 0.341+/-0.000 χ^2/NDF: 1090716368439.

- sign 0.352+/-0.000 χ^2/NDF: 515407951069.4/52

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3428257.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3406180.6/29

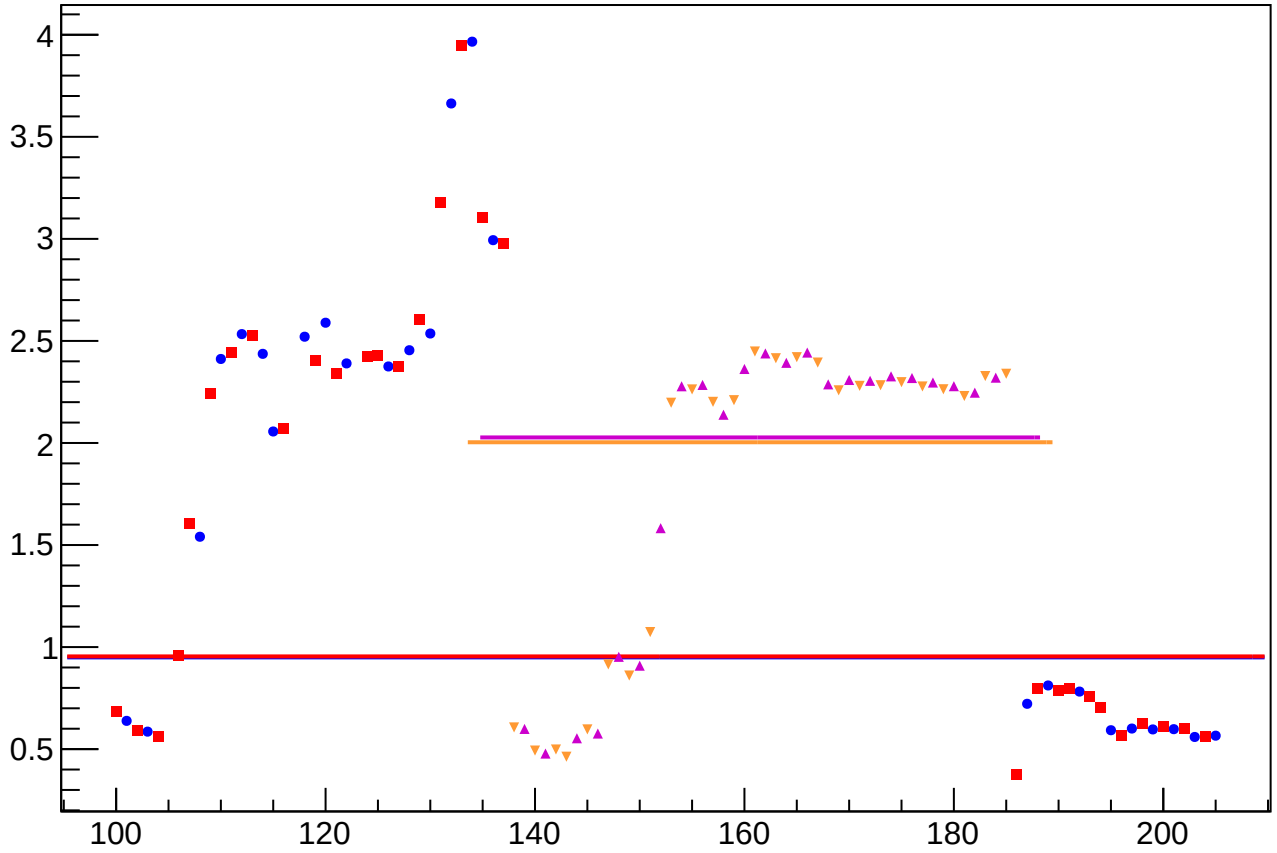
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6393045.8/49

All: 0.005+/-0.000 χ^2/NDF: 13032380.3/102

- sign 0.005+/-0.000 χ^2/NDF: 6617739.9/52

yield_bpm0l05Y_mean vs Slug



Right In: 0.950+/-0.000 χ^2/NDF: 232478845167.0/24

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.954+/-0.000 χ^2/NDF: 262297240402.1/29

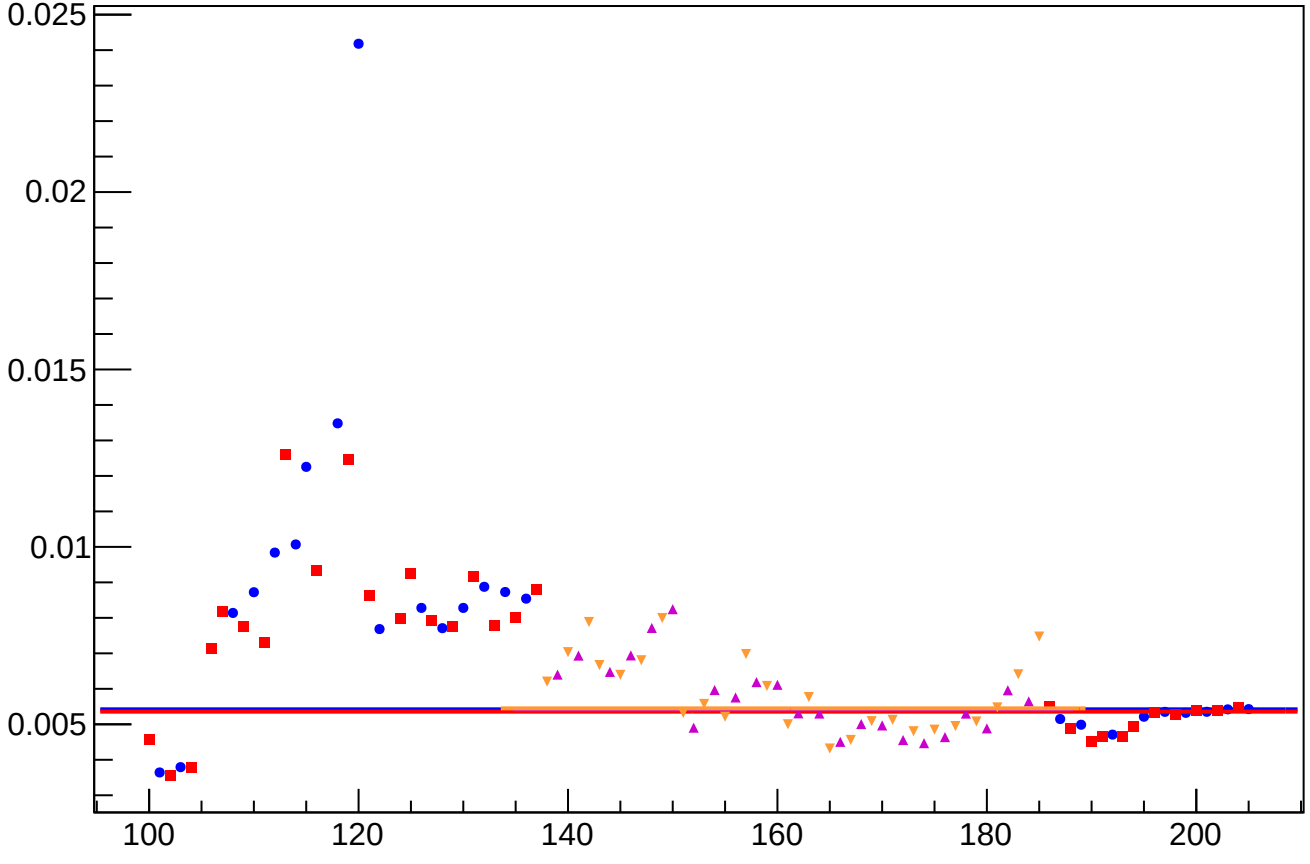
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.564+/-0.000 χ^2/NDF: 706880913905.2/49

All: 1.548+/-0.000 χ^2/NDF: 1446631233718.

- sign 1.532+/-0.000 χ^2/NDF: 739231505522.1/52

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2307213.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125461.5/29

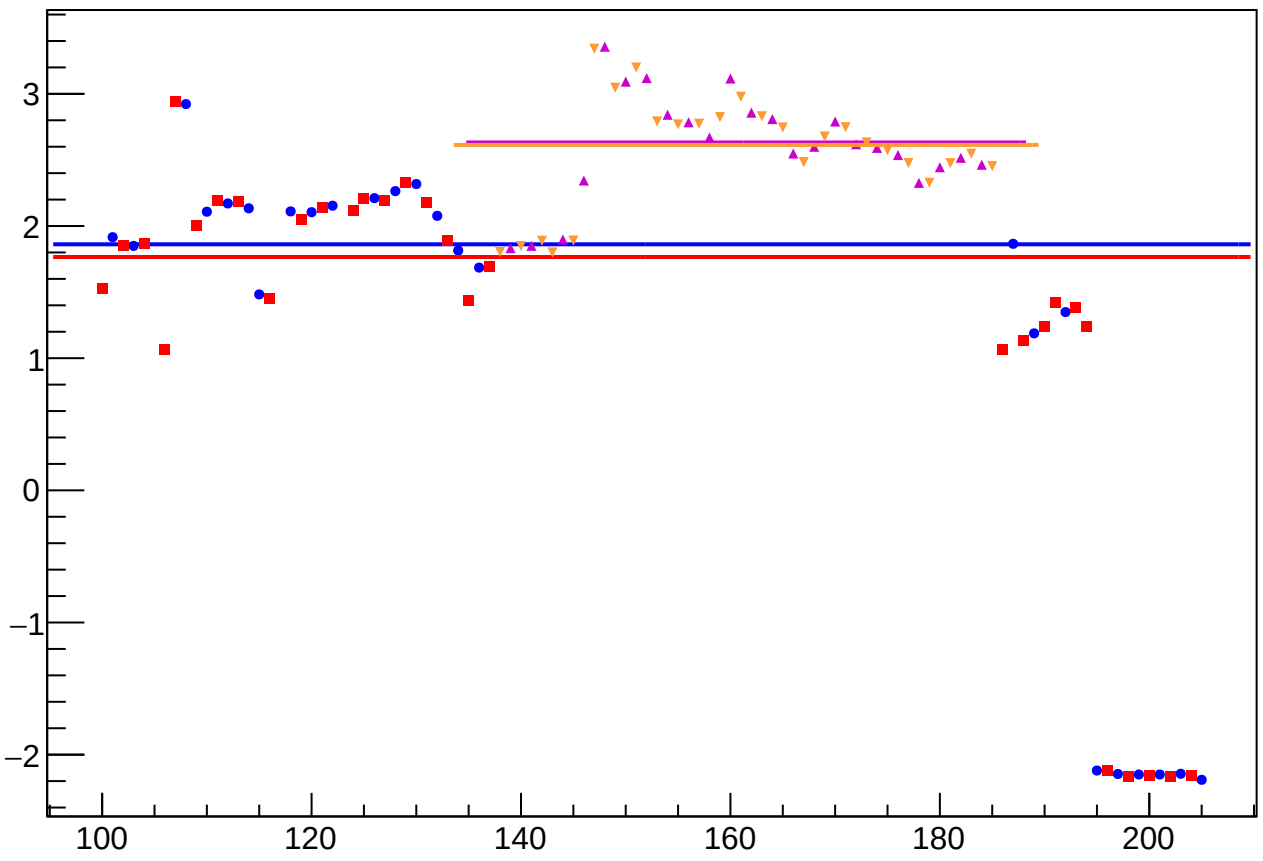
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078959.4/49

All: 0.005+/-0.000 χ^2/NDF: 6023624.3/102

- sign 0.005+/-0.000 χ^2/NDF: 2941730.8/52

yield_bpm0l06X_mean vs Slug



Right In: 1.862+/-0.000 χ^2/NDF: 133647822969.9/24

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.766+/-0.000 χ^2/NDF: 123250017137.3/29

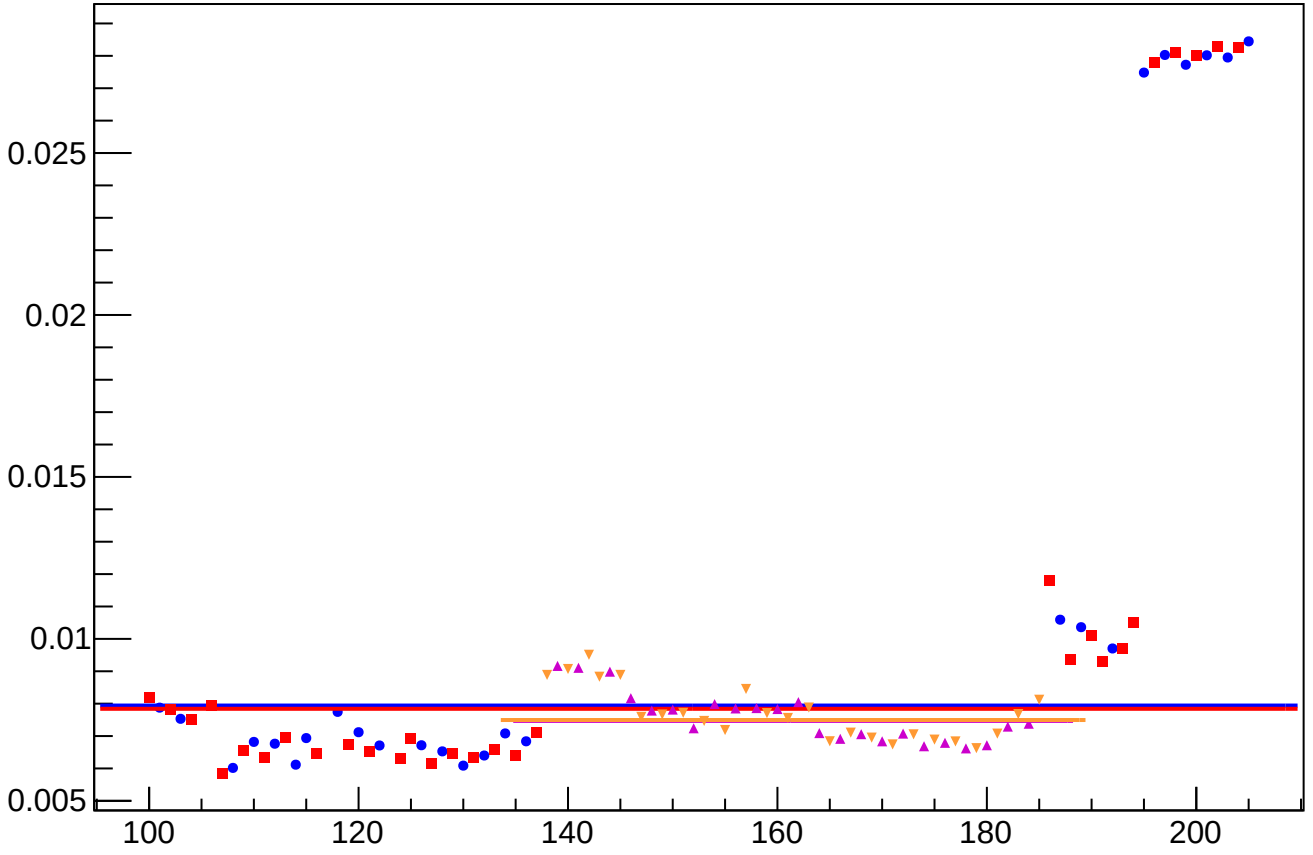
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.354+/-0.000 χ^2/NDF: 242987897811.4/49

All: 2.323+/-0.000 χ^2/NDF: 498952728976.5

- sign 2.293+/-0.000 χ^2/NDF: 255020826387.6/52

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 5895063.3/24

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5320564.8/29

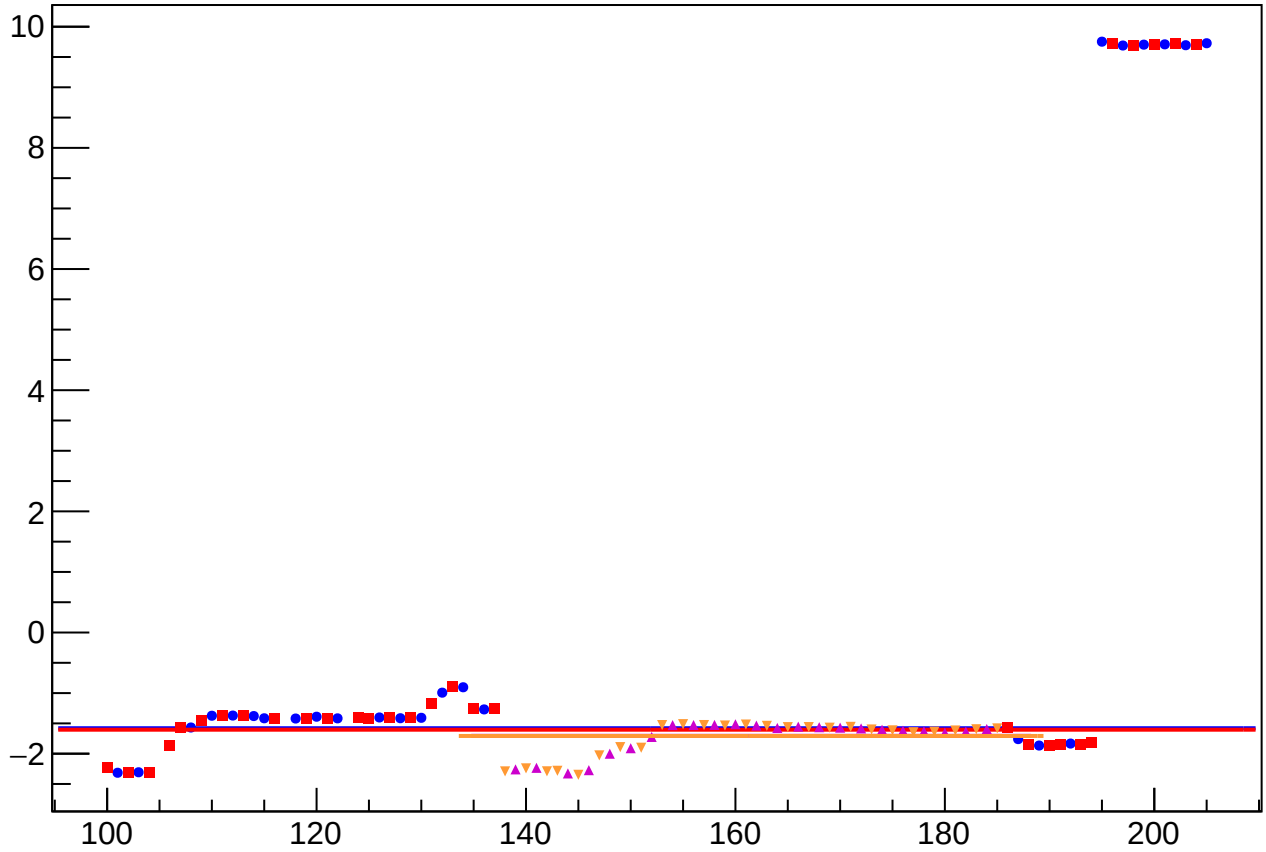
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 6272242.0/49

All: 0.008+/-0.000 χ^2/NDF: 11949298.8/102

- sign 0.008+/-0.000 χ^2/NDF: 5676434.8/52

yield_bpm0l06Y_mean vs Slug



Right In: -1.580+/-0.000 χ^2/NDF: 361156280825.9/24

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.604+/-0.000 χ^2/NDF: 340710755637.3/29

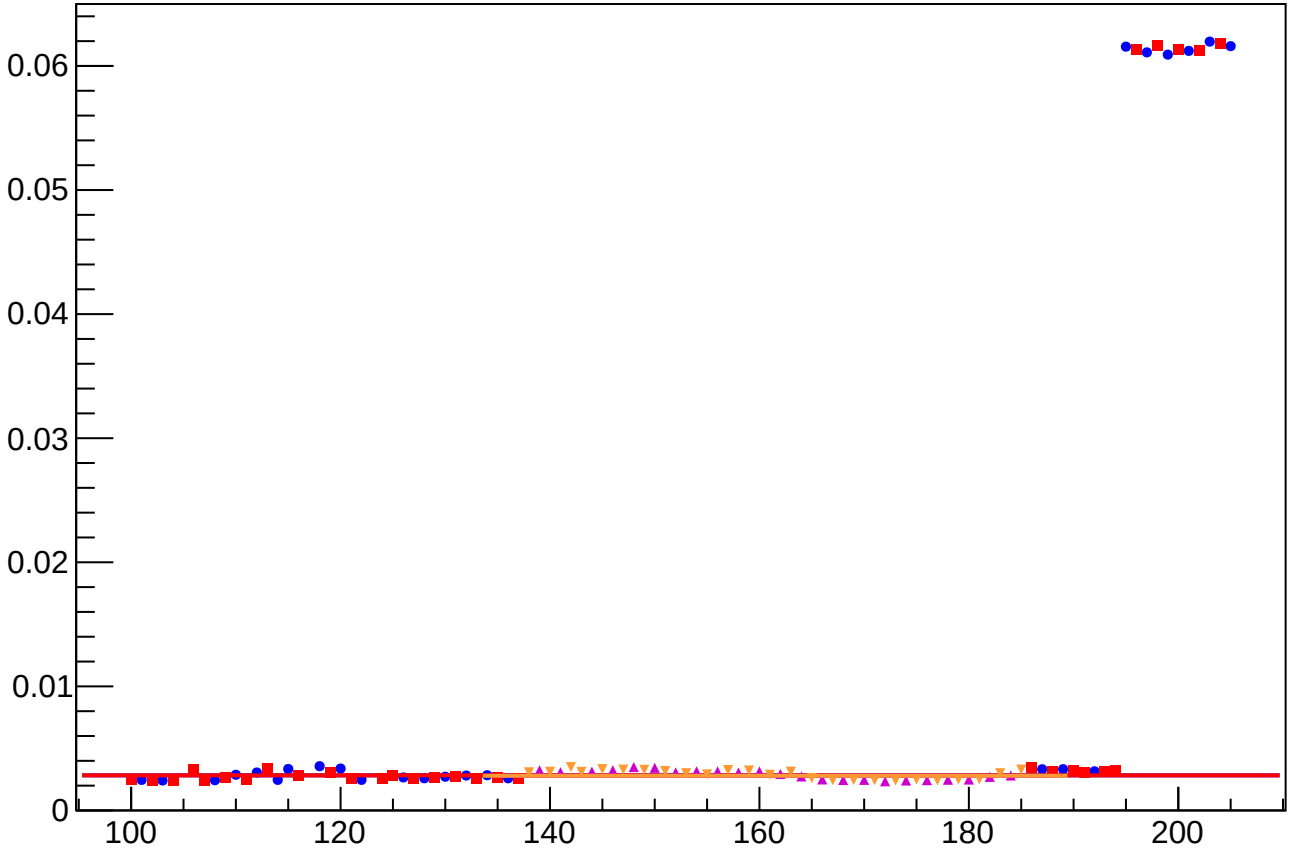
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.666+/-0.000 χ^2/NDF: 525065363625.5/49

All: -1.667+/-0.000 χ^2/NDF: 1010820661732

- sign -1.667+/-0.000 χ^2/NDF: 485753742588.8/52

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9659753.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8107172.4/29

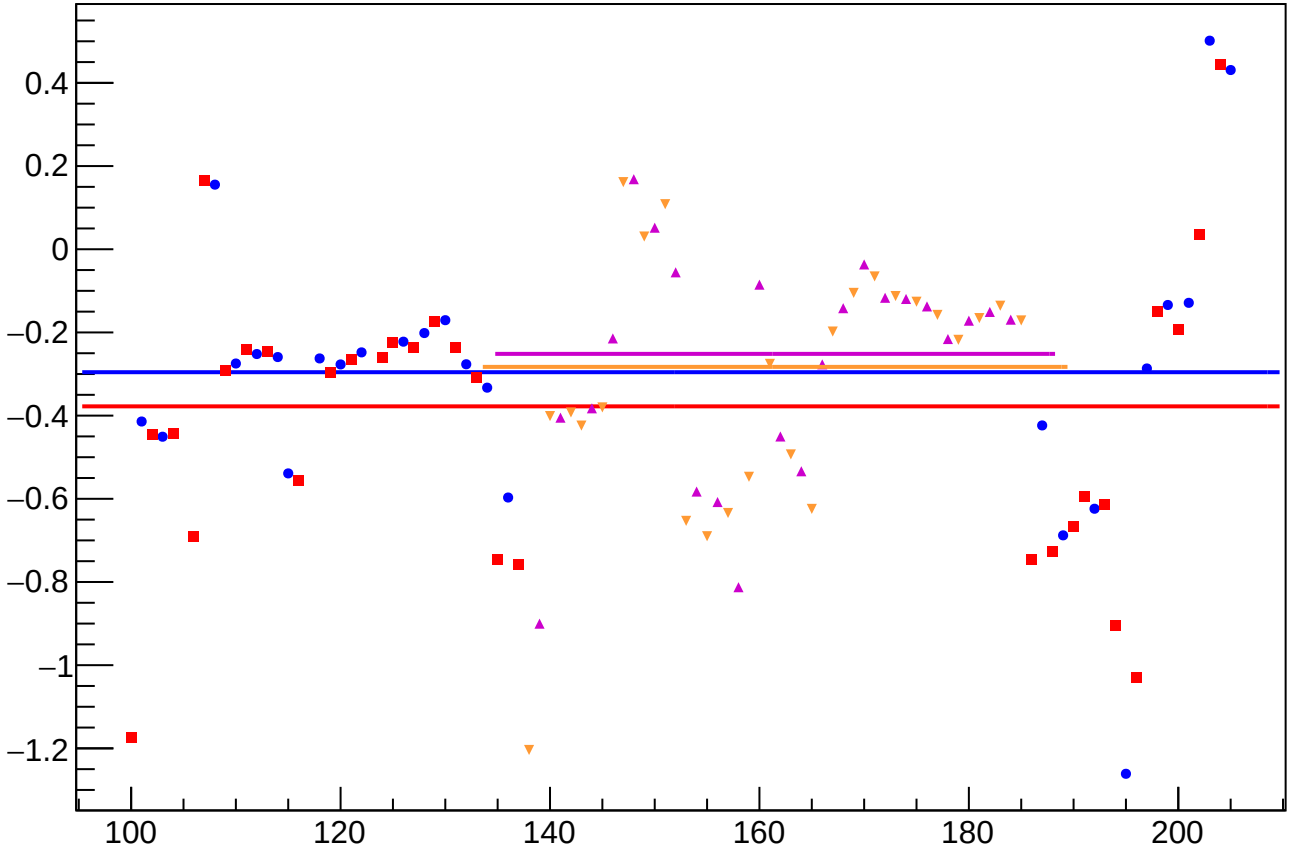
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10209152.0/49

All: 0.003+/-0.000 χ^2/NDF: 18876969.4/102

- sign 0.003+/-0.000 χ^2/NDF: 8667691.9/52

yield_bpm0l07X_mean vs Slug



Right In: -0.296+/-0.000 χ^2/NDF: 7486207893.0/24

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.378+/-0.000 χ^2/NDF: 7556293828.9/29

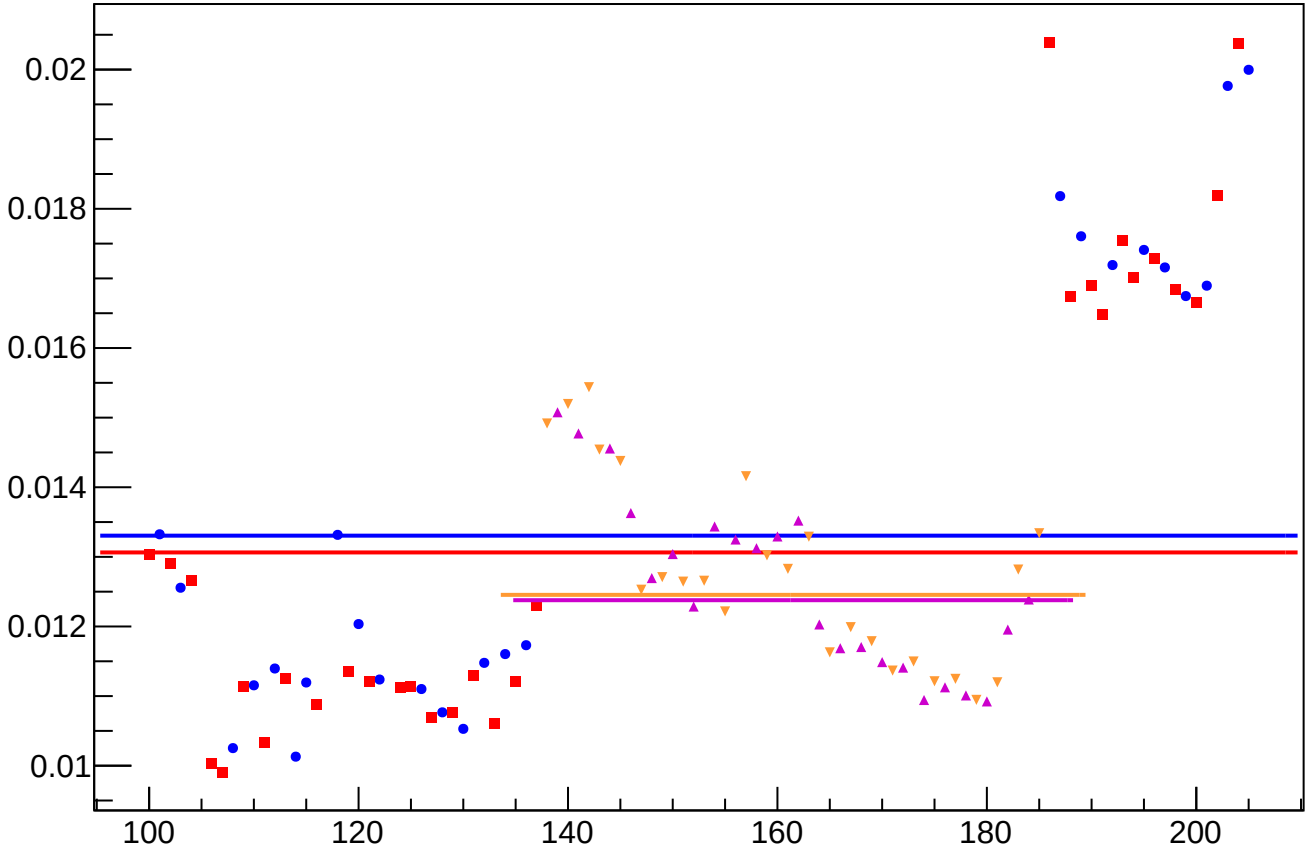
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.288+/-0.000 χ^2/NDF: 16837127236.3/49

All: -0.297+/-0.000 χ^2/NDF: 32356018316.3/

- sign -0.305+/-0.000 χ^2/NDF: 15489130416.1/52

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1289790.8/24

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1545438.5/29

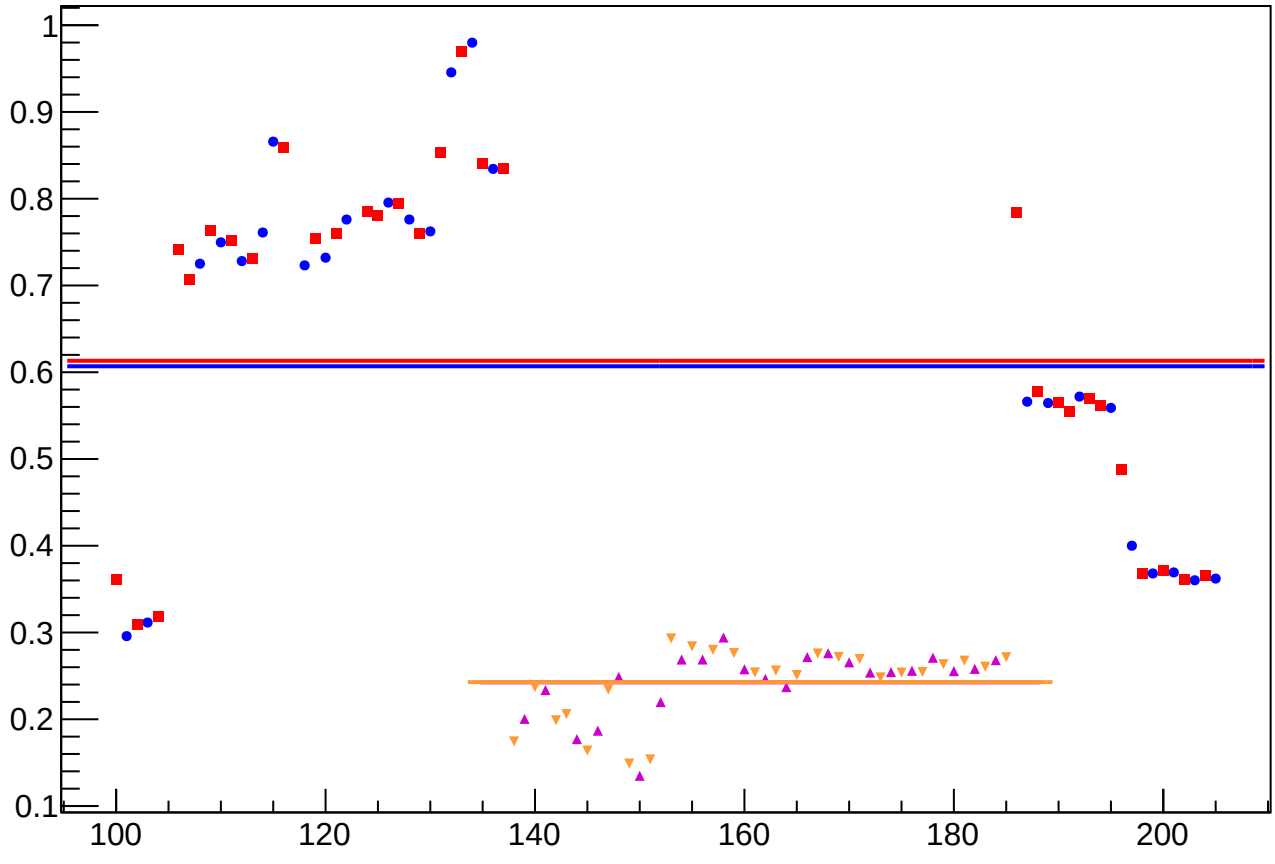
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1696560.8/49

All: 0.013+/-0.000 χ^2/NDF: 3616585.2/102

- sign 0.013+/-0.000 χ^2/NDF: 1917624.6/52

yield_bpm0l07Y_mean vs Slug



Right In: 0.607+/-0.000 χ^2/NDF: 85164211264.4/24

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 80210709038.3/29

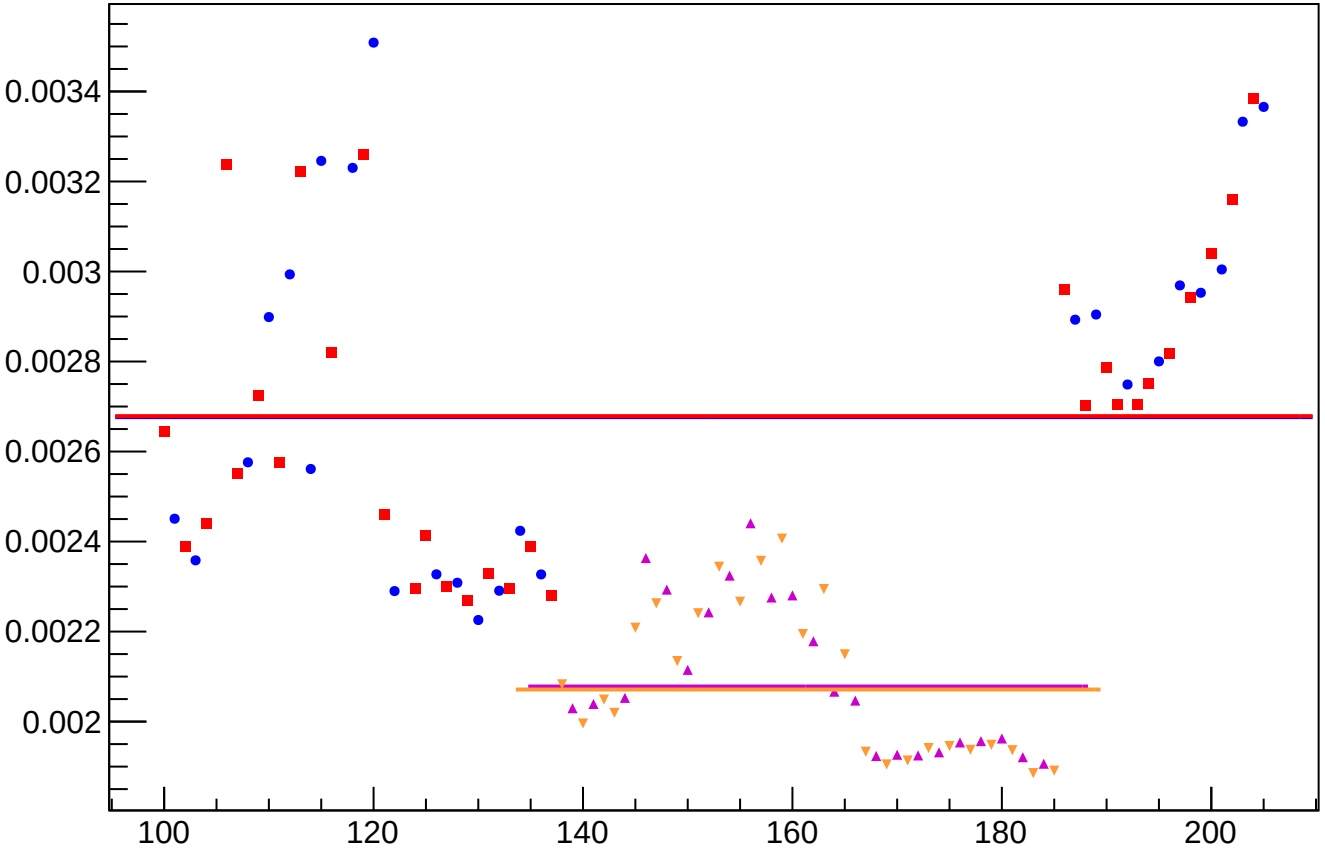
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266566539370.2/49

All: 0.357+/-0.000 χ^2/NDF: 542114309881.0

- sign 0.364+/-0.000 χ^2/NDF: 274935050208.1/52

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 500212.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 412410.5/29

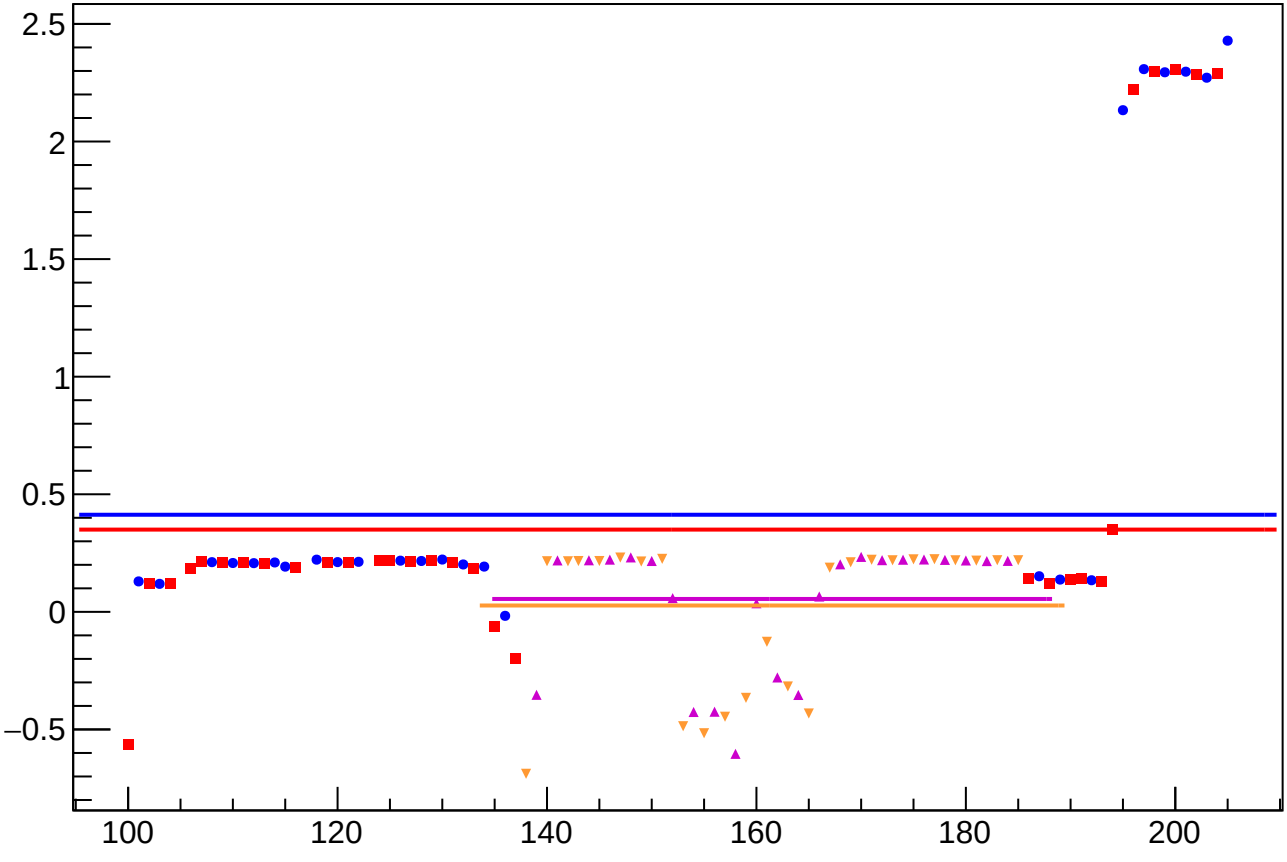
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1696512.4/49

All: 0.002+/-0.000 χ^2/NDF: 3317399.5/102

- sign 0.002+/-0.000 χ^2/NDF: 1616902.2/52

yield_bpm0l08X_mean vs Slug



Right In: 0.413+/-0.000 χ^2/NDF: 40097553390.8/24

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.350+/-0.000 χ^2/NDF: 36593747024.1/29

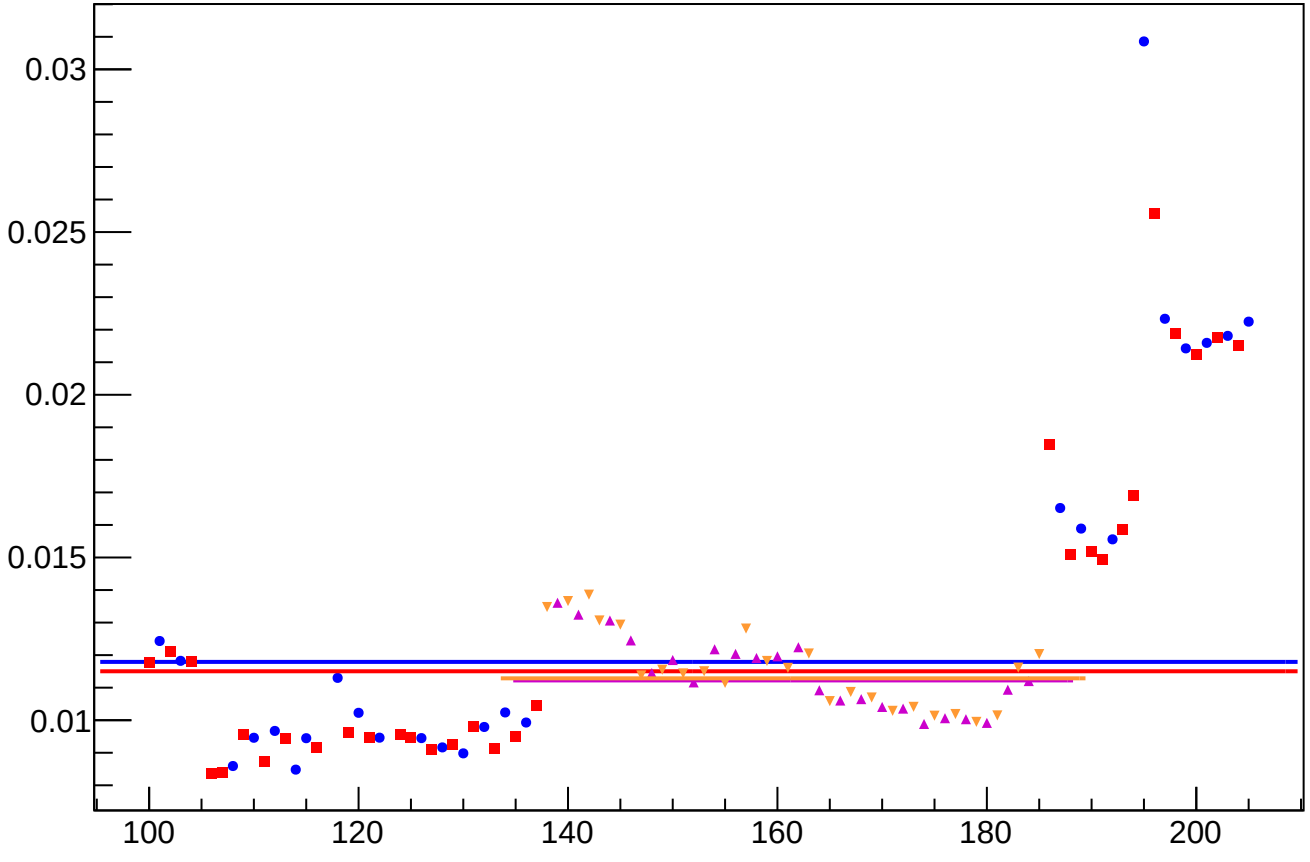
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.172+/-0.000 χ^2/NDF: 61121553859.0/49

All: 0.176+/-0.000 χ^2/NDF: 112501812430.1

- sign 0.180+/-0.000 χ^2/NDF: 51373487953.7/52

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3352048.4/24

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

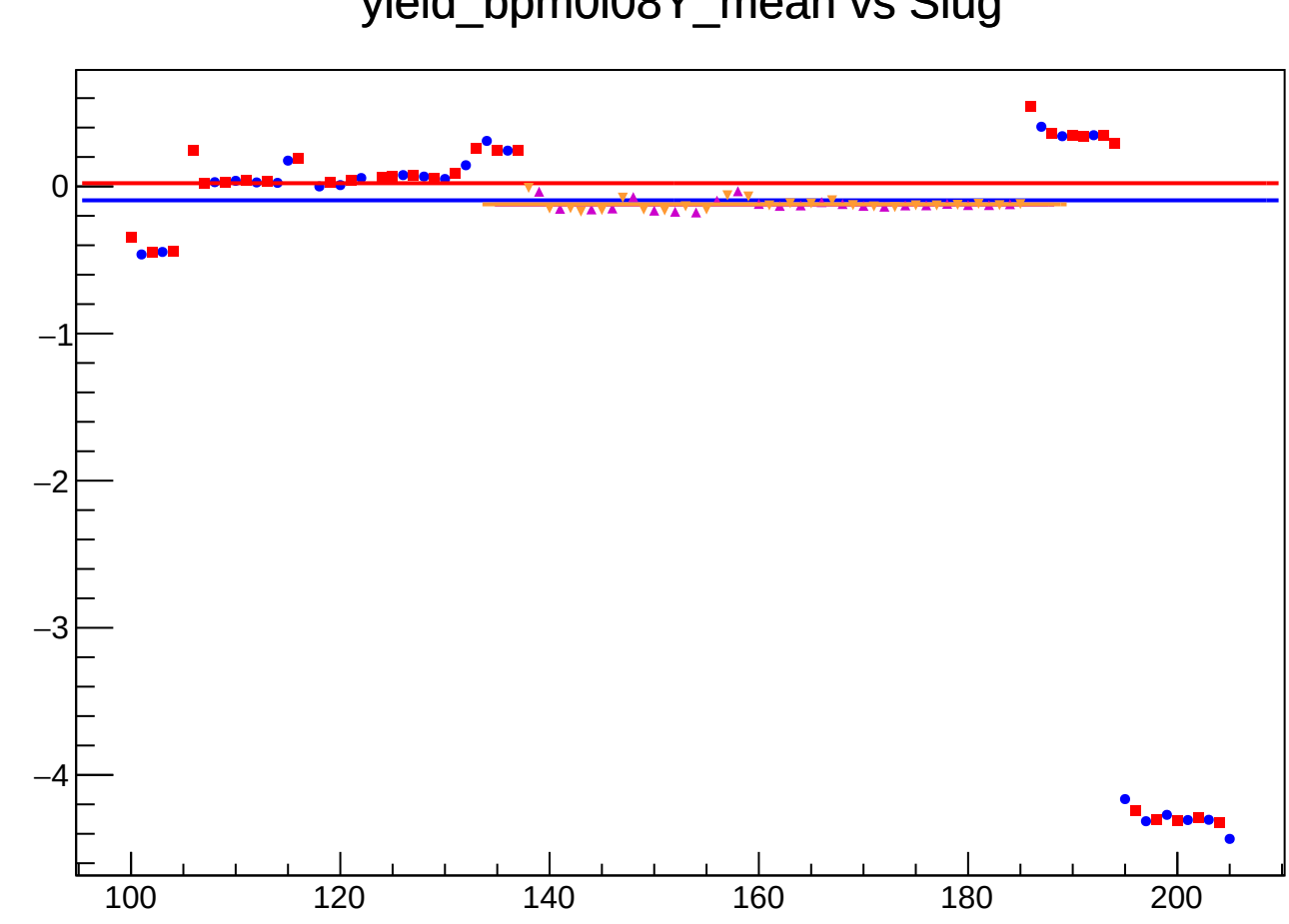
Right Out: 0.012+/-0.000 χ^2/NDF: 3298151.5/29

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3707879.6/49

All: 0.011+/-0.000 χ^2/NDF: 7334752.6/102

- sign 0.011+/-0.000 χ^2/NDF: 3622594.0/52



Right In: -0.095+/-0.000 χ^2/NDF: 300296773613.4/24

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 286149153956.7/29

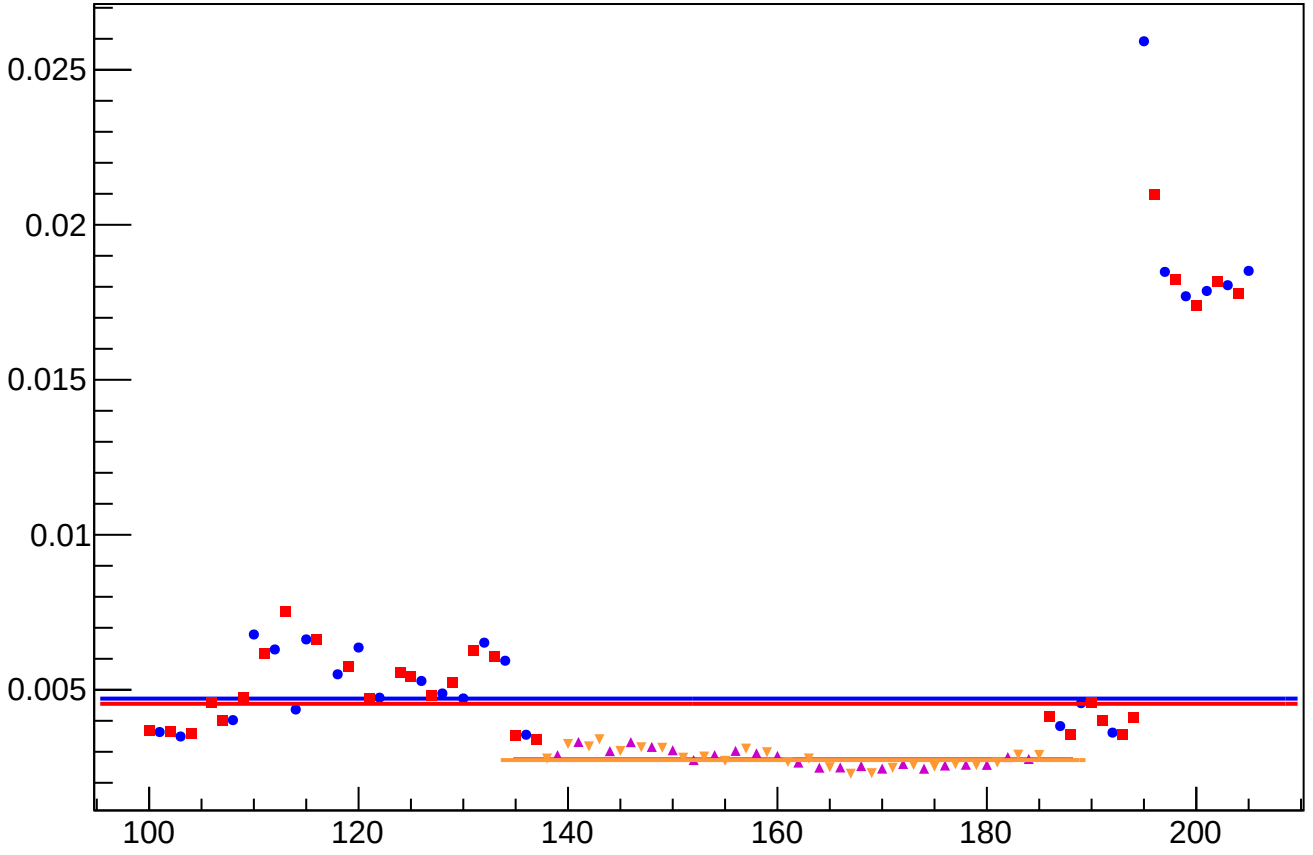
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.118+/-0.000 χ^2/NDF: 303494711430.8/49

All: -0.107+/-0.000 χ^2/NDF: 602542835412.4

- sign -0.095+/-0.000 χ^2/NDF: 298342062165.7/52

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 6766480.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5823081.8/29

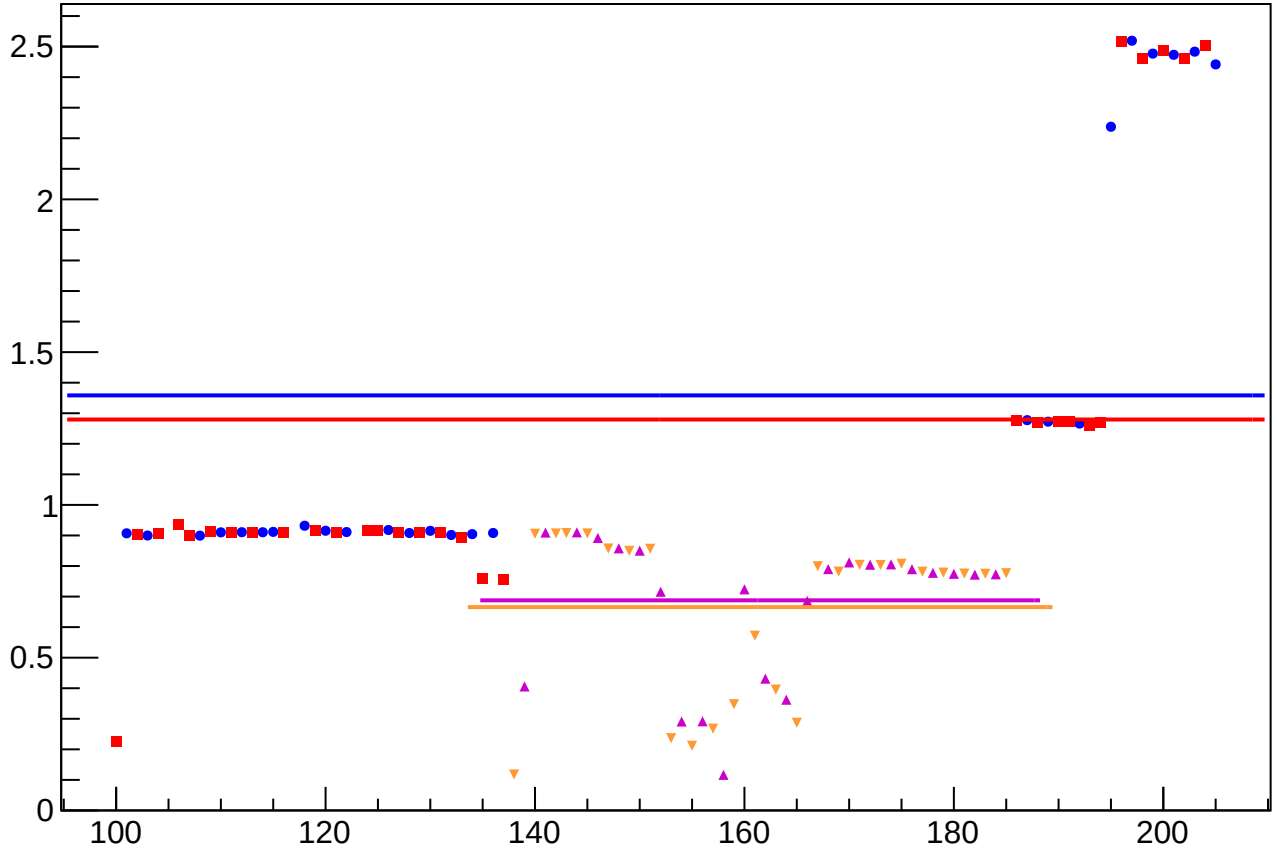
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 10096486.1/49

All: 0.003+/-0.000 χ^2/NDF: 19079150.9/102

- sign 0.003+/-0.000 χ^2/NDF: 8968641.5/52

yield_bpm0l09X_mean vs Slug



Right In: 1.358+/-0.000 χ^2/NDF: 40488031055.1/24

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.279+/-0.000 χ^2/NDF: 39831564052.2/29

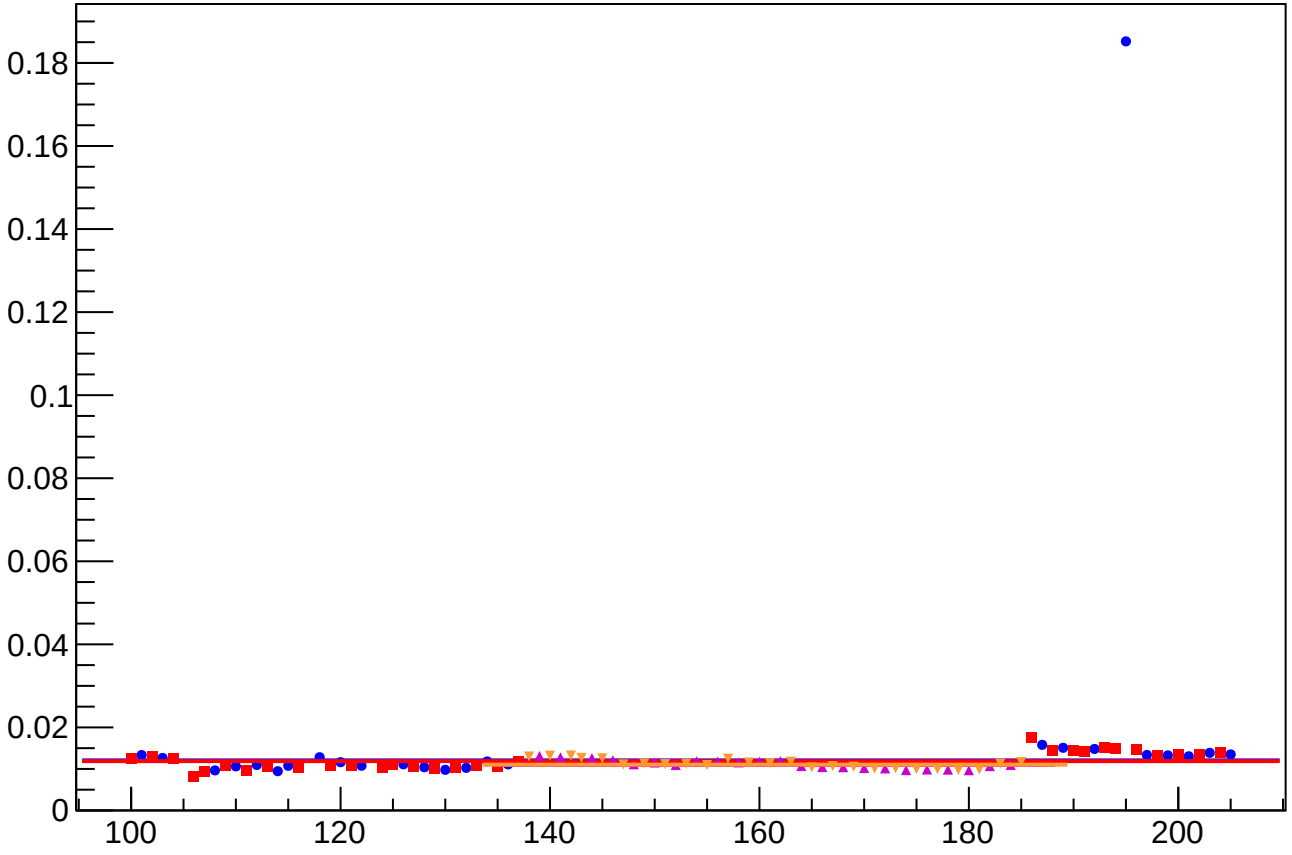
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.918+/-0.000 χ^2/NDF: 76210943713.1/49

All: 0.924+/-0.000 χ^2/NDF: 143747766944.8

- sign 0.929+/-0.000 χ^2/NDF: 67523739688.0/52

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1995926.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

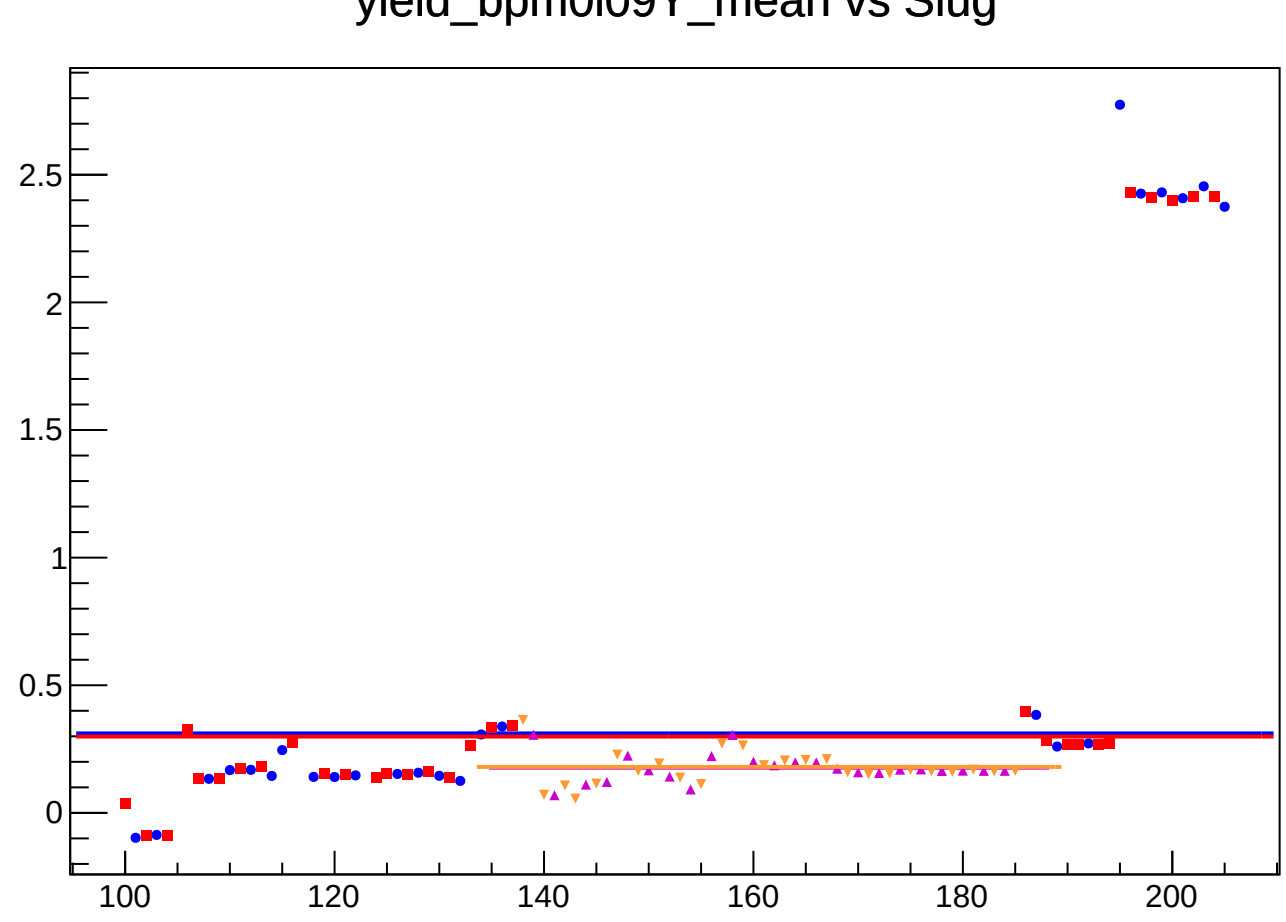
Right Out: 0.012+/-0.000 χ^2/NDF: 779108.2/29

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2410395.3/49

All: 0.011+/-0.000 χ^2/NDF: 3577027.9/102

- sign 0.011+/-0.000 χ^2/NDF: 1165656.3/52



Right In: 0.311+/-0.000 χ^2/NDF: 129547418830.1/24

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.299+/-0.000 χ^2/NDF: 112645773453.5/29

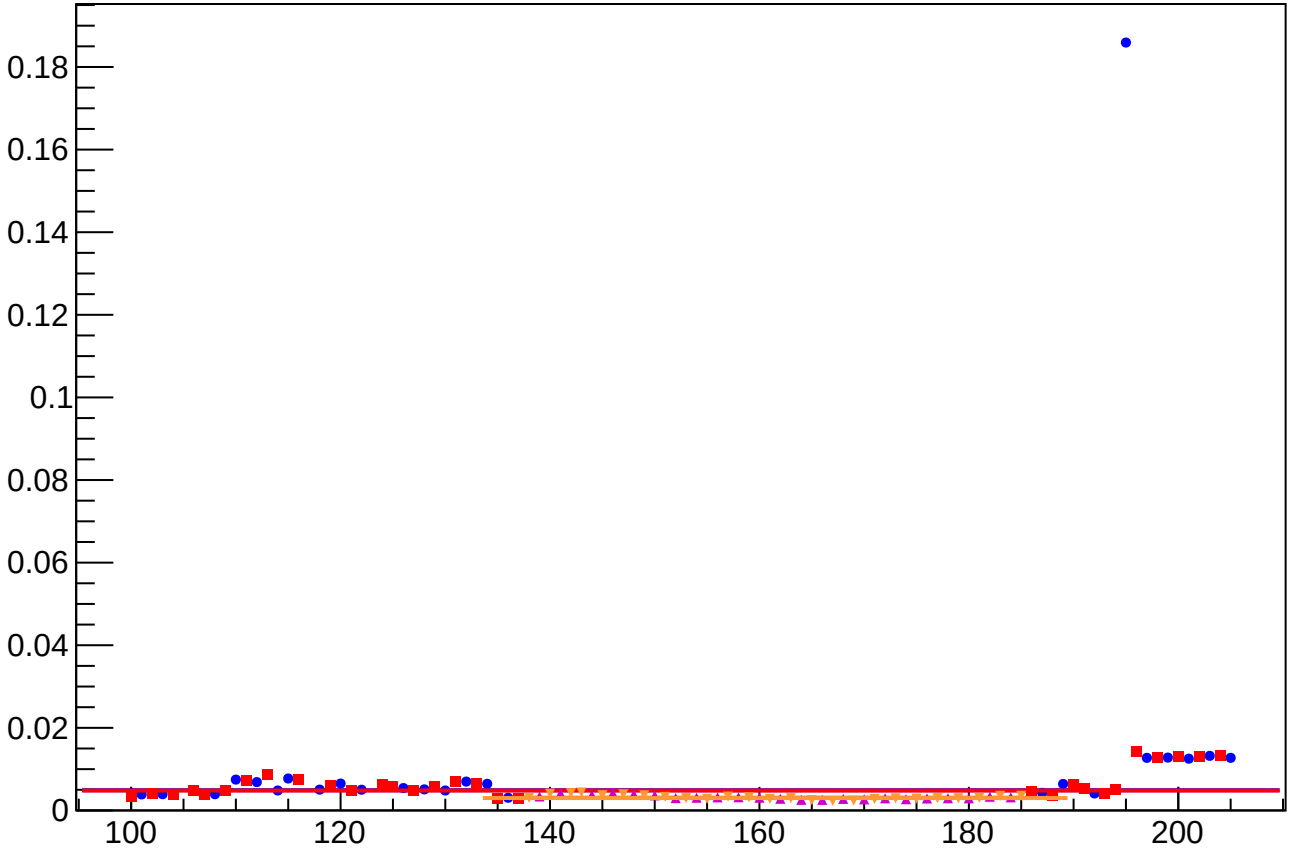
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.203+/-0.000 χ^2/NDF: 141805147620.4/49

All: 0.203+/-0.000 χ^2/NDF: 264686935569.2

- sign 0.203+/-0.000 χ^2/NDF: 122881493681.5/52

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 6055387.7/24

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4507227.3/29

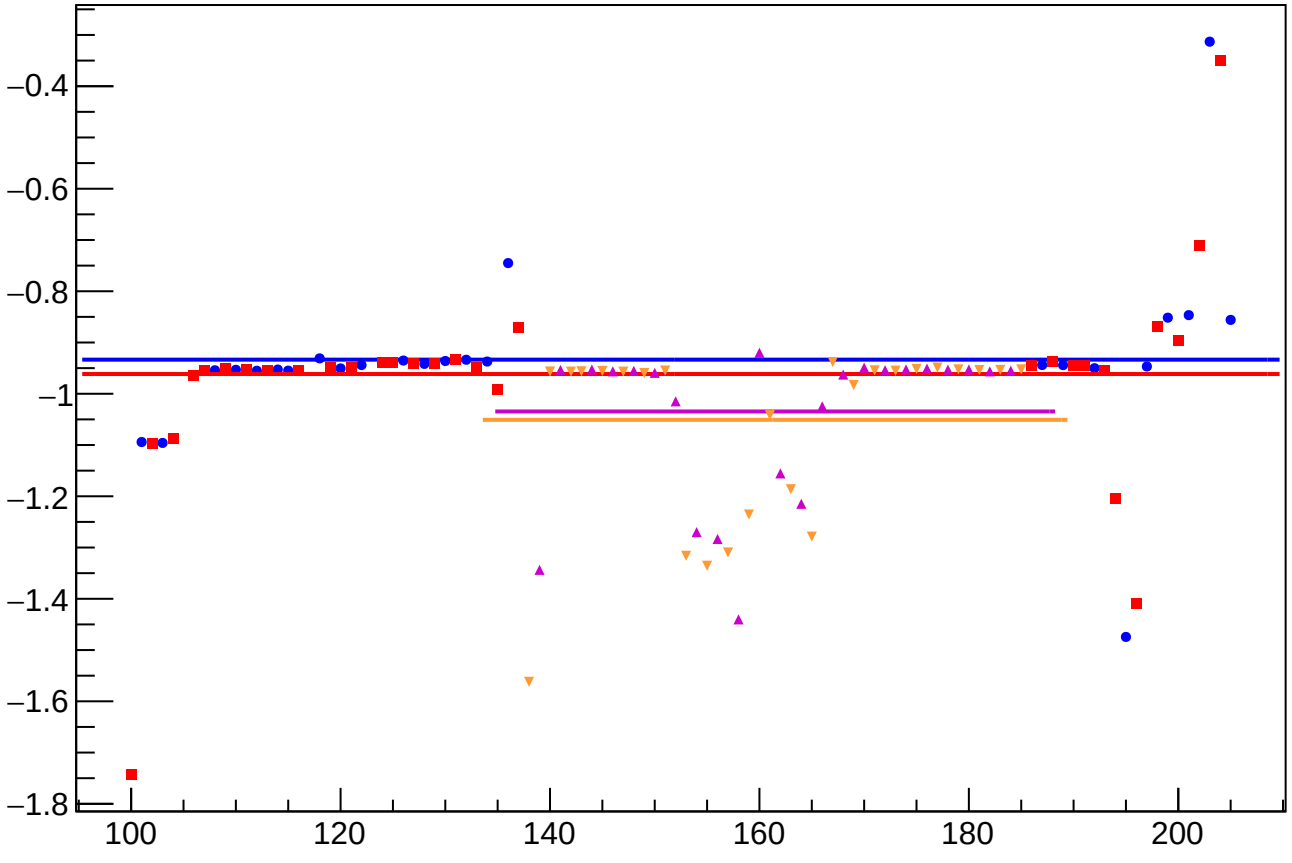
Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 9363373.5/49

All: 0.003+/-0.000 χ^2/NDF: 16816662.6/102

- sign 0.003+/-0.000 χ^2/NDF: 7420354.9/52

yield_bpm0l10X_mean vs Slug



Right In: -0.933+/-0.000 χ^2/NDF: 3485936960.7/24

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.961+/-0.000 χ^2/NDF: 3456231864.1/29

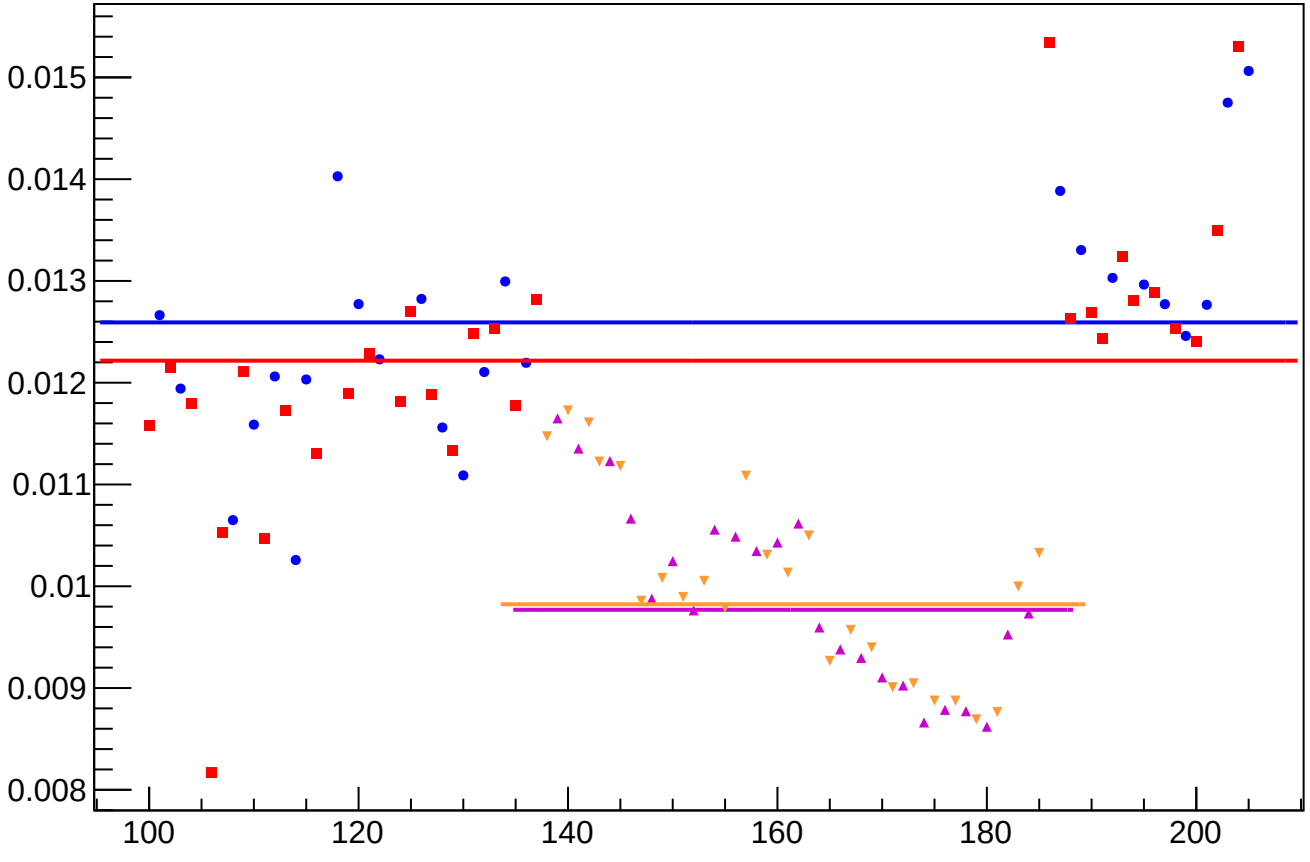
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.015+/-0.000 χ^2/NDF: 9380178544.8/49

All: -1.012+/-0.000 χ^2/NDF: 17111454718.6/

- sign -1.009+/-0.000 χ^2/NDF: 7726415030.5/52

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 180941.6/24

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

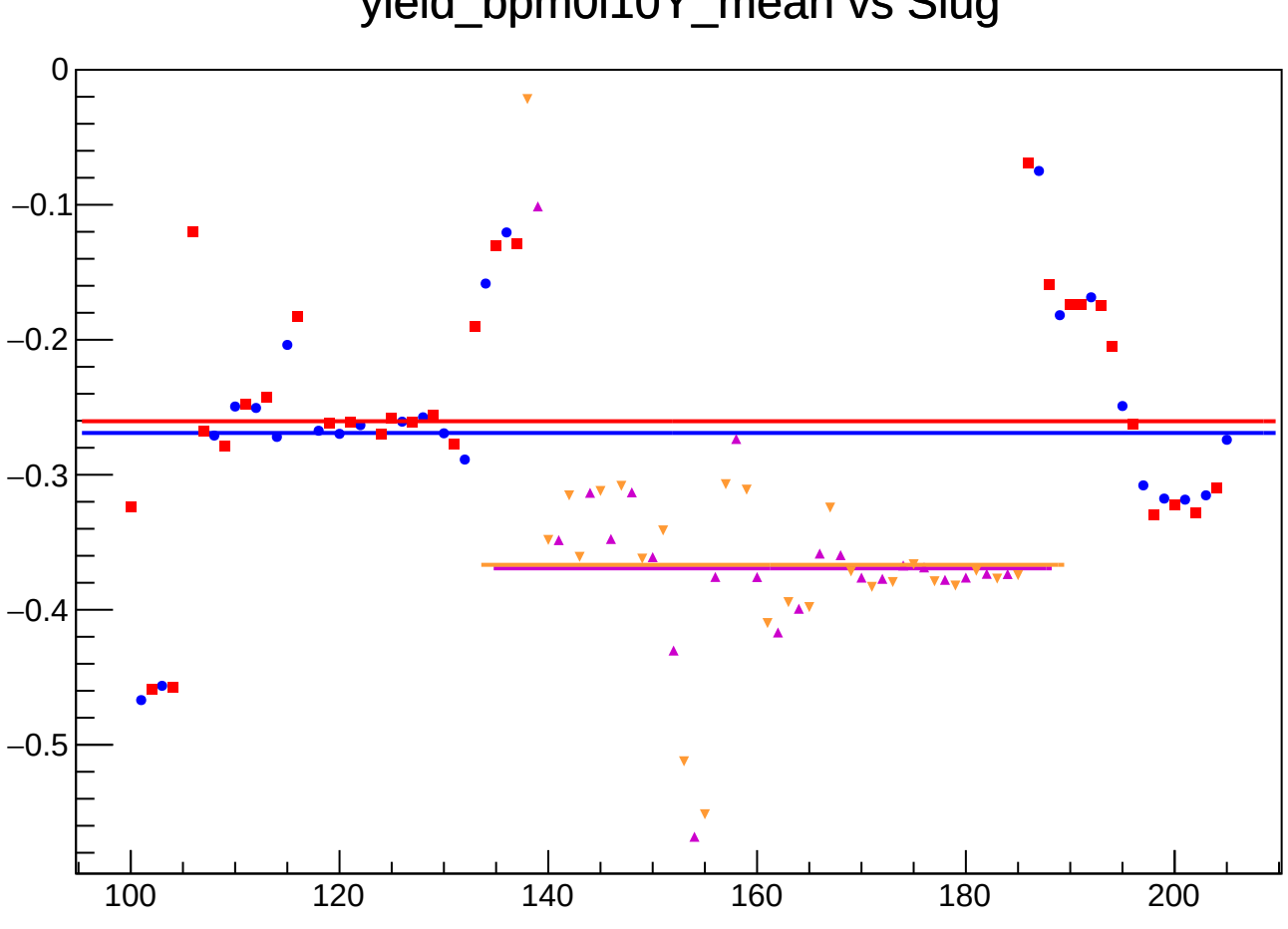
Right Out: 0.012+/-0.000 χ^2/NDF: 342630.9/29

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1378368.2/49

All: 0.011+/-0.000 χ^2/NDF: 2776610.4/102

- sign 0.011+/-0.000 χ^2/NDF: 1397657.3/52



Right In: -0.269+/-0.000 χ^2/NDF: 7710395530.2/24

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.260+/-0.000 χ^2/NDF: 8183842917.1/29

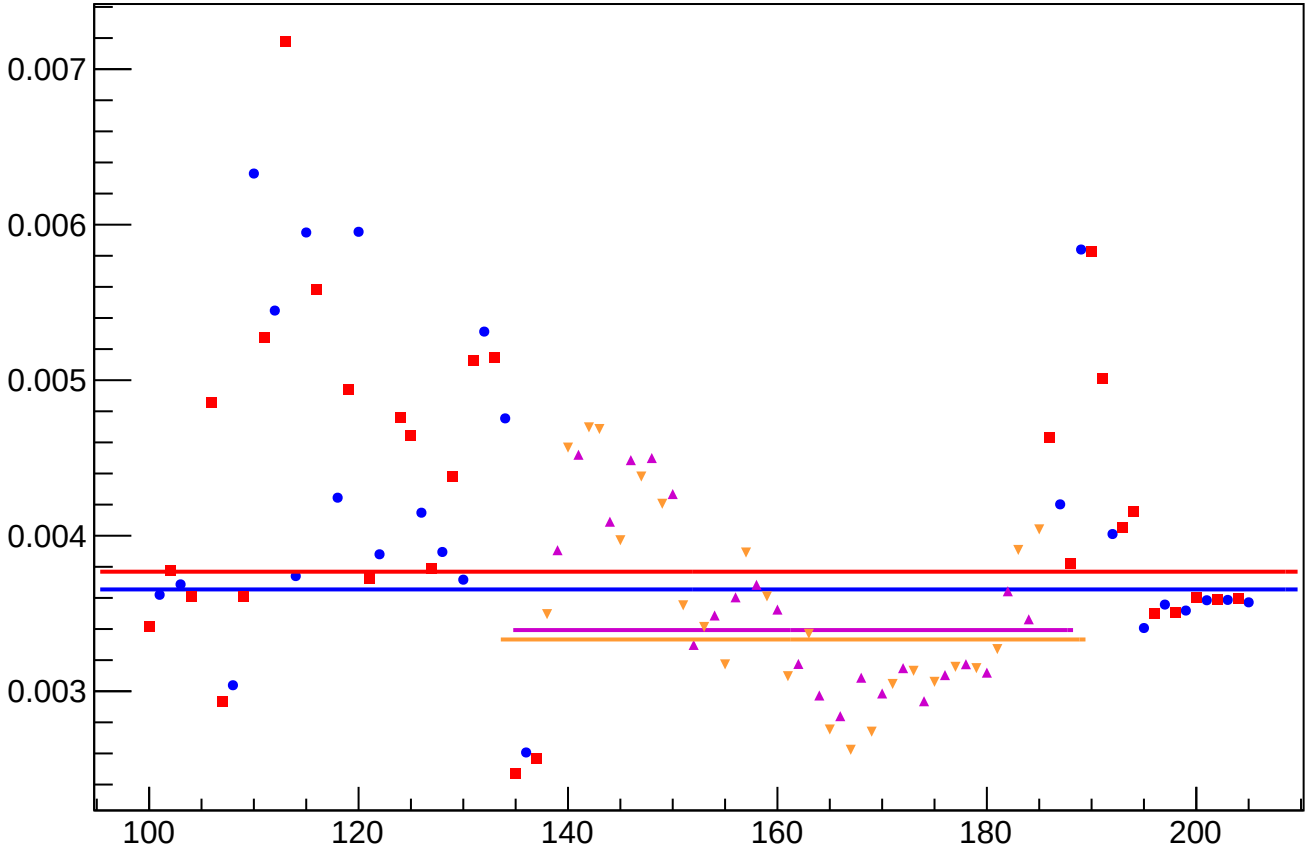
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.331+/-0.000 χ^2/NDF: 25208064990.7/49

All: -0.328+/-0.000 χ^2/NDF: 47824191943.6/

- sign -0.326+/-0.000 χ^2/NDF: 22587535433.4/52

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 903842.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1082313.5/29

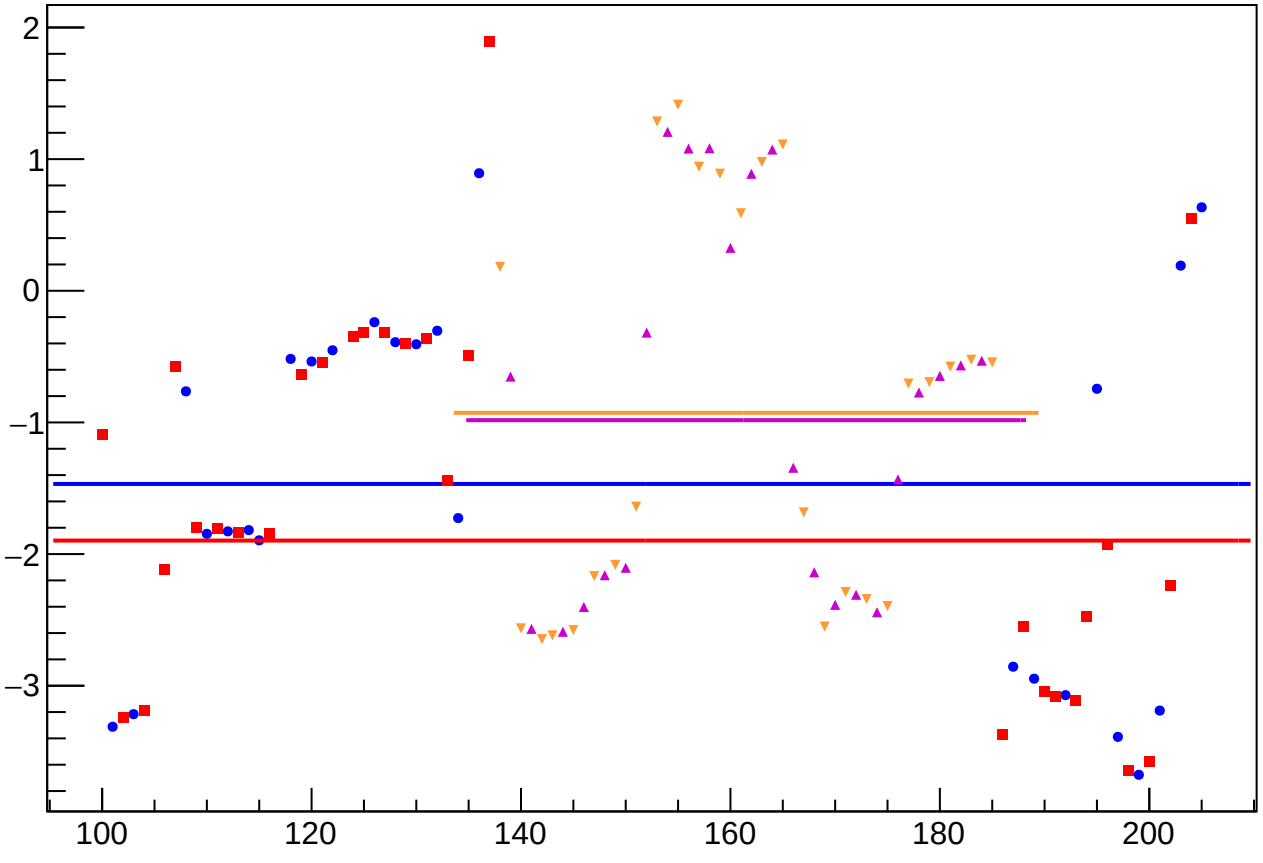
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1882107.2/49

All: 0.003+/-0.000 χ^2/NDF: 3780379.8/102

- sign 0.004+/-0.000 χ^2/NDF: 1877733.4/52

yield_bpm0r03X_mean vs Slug



Right In: -1.467+/-0.000 χ^2/NDF: 5867407148.8/24

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

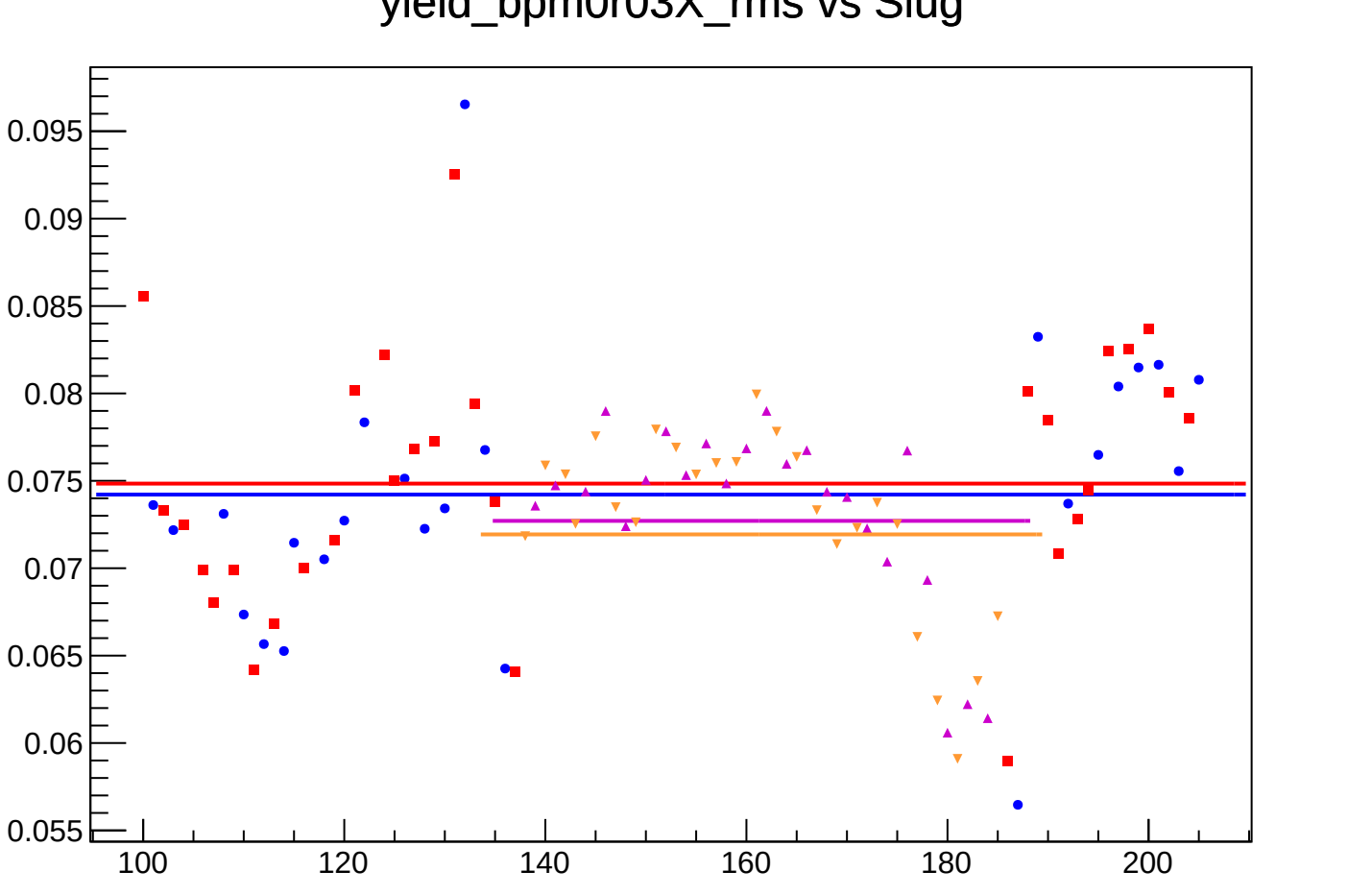
Right Out: -1.897+/-0.000 χ^2/NDF: 4615679592.8/29

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.145+/-0.000 χ^2/NDF: 13548794801.7/49

All: -1.266+/-0.000 χ^2/NDF: 25519399629.8/

- sign -1.388+/-0.000 χ^2/NDF: 11790534306.0/52



Right In: 0.074+/-0.000 χ^2/NDF: 217614.8/24

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

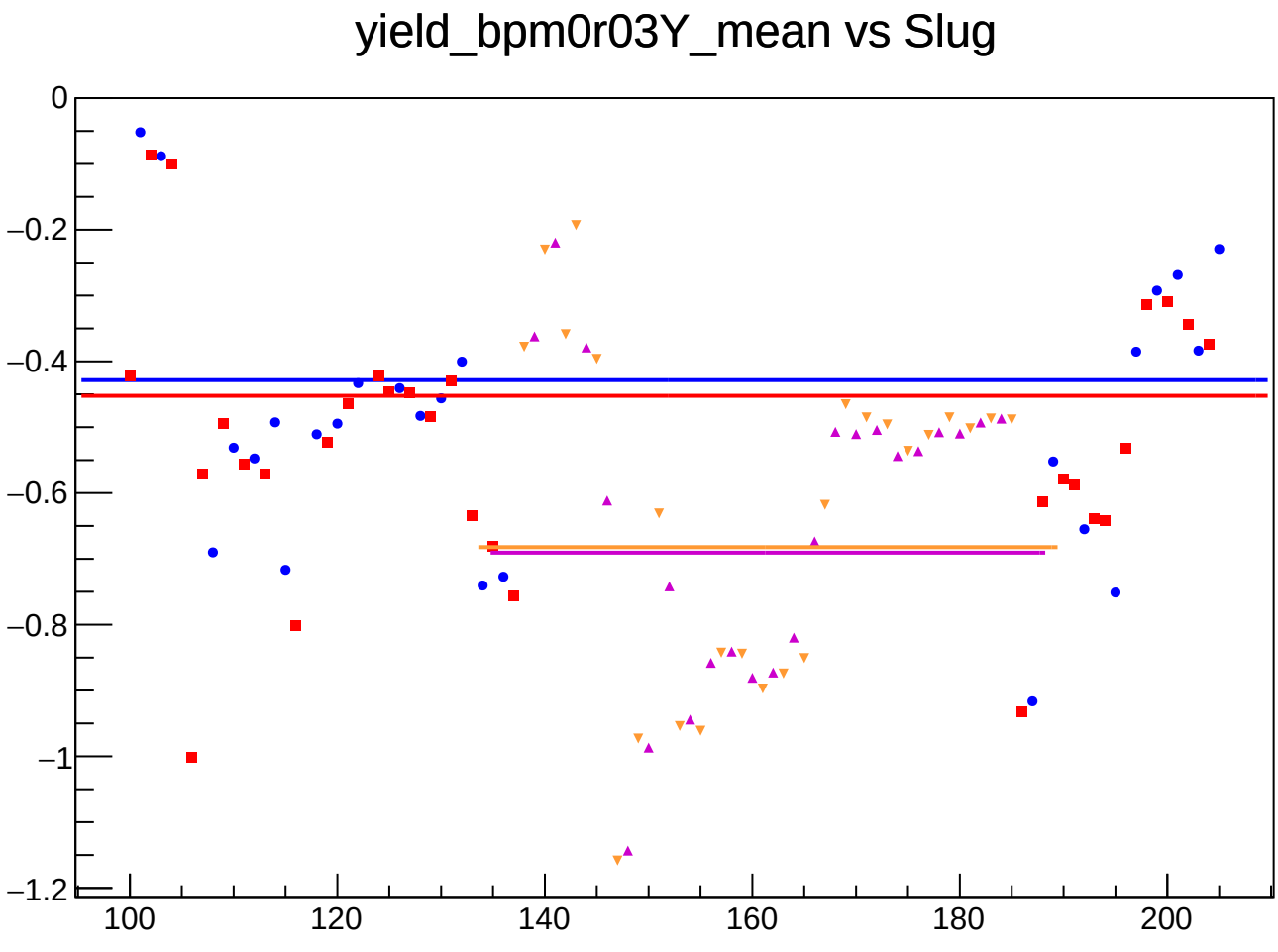
Right Out: 0.075+/-0.000 χ^2/NDF: 238769.6/29

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 468550.0/49

All: 0.073+/-0.000 χ^2/NDF: 921868.7/102

- sign 0.074+/-0.000 χ^2/NDF: 449423.7/52



Right In: -0.428+/-0.000 χ^2/NDF: 8201843293.2/24

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.452+/-0.000 χ^2/NDF: 6438492209.8/29

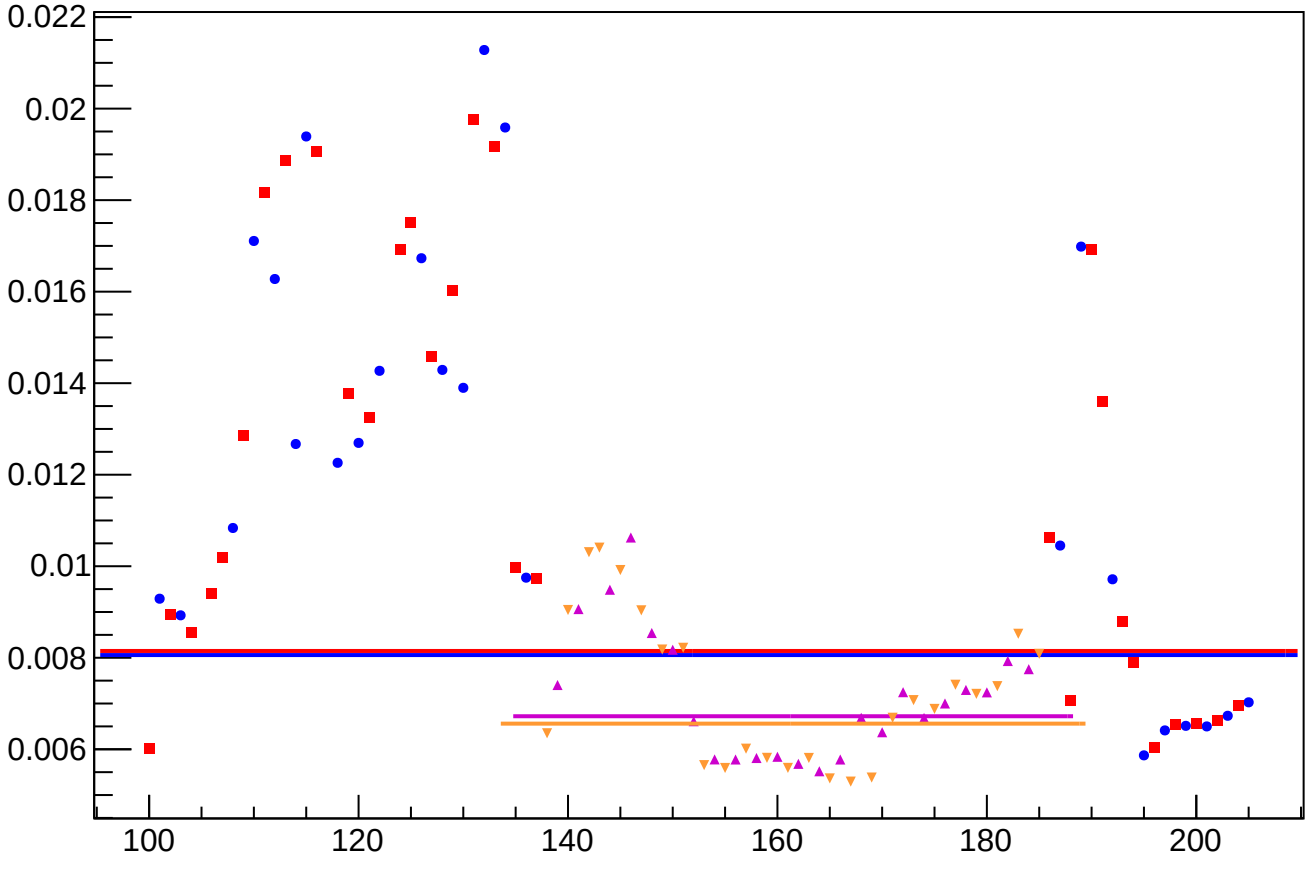
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.605+/-0.000 χ^2/NDF: 38008800379.3/49

All: -0.608+/-0.000 χ^2/NDF: 68395104187.1/

- sign -0.610+/-0.000 χ^2/NDF: 30378846355.4/52

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2883132.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3056656.5/29

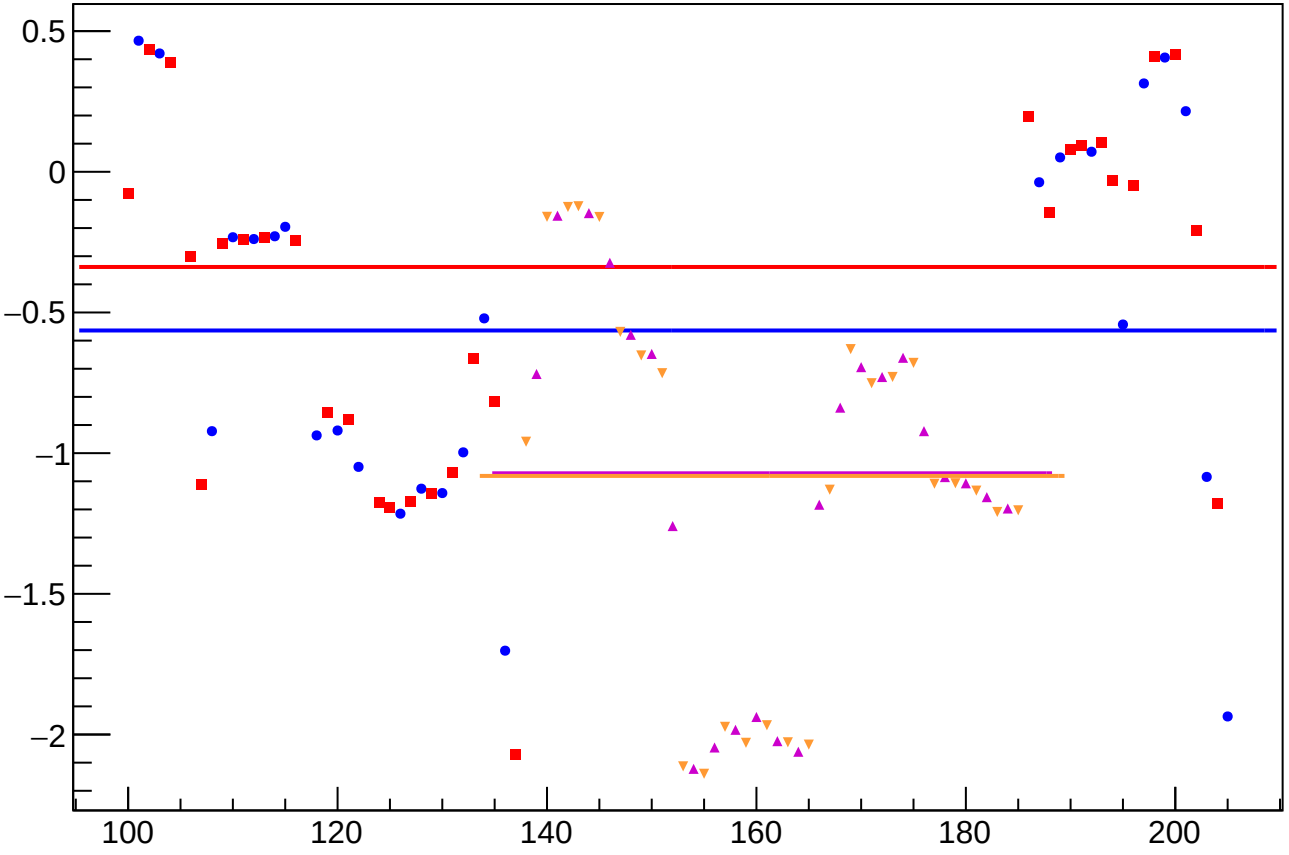
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4844197.1/49

All: 0.007+/-0.000 χ^2/NDF: 9388571.9/102

- sign 0.007+/-0.000 χ^2/NDF: 4524308.4/52

yield_bpm0r05X_mean vs Slug



Right In: -0.564+/-0.000 χ^2/NDF: 925055173.8/24

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.338+/-0.000 χ^2/NDF: 633772892.4/29

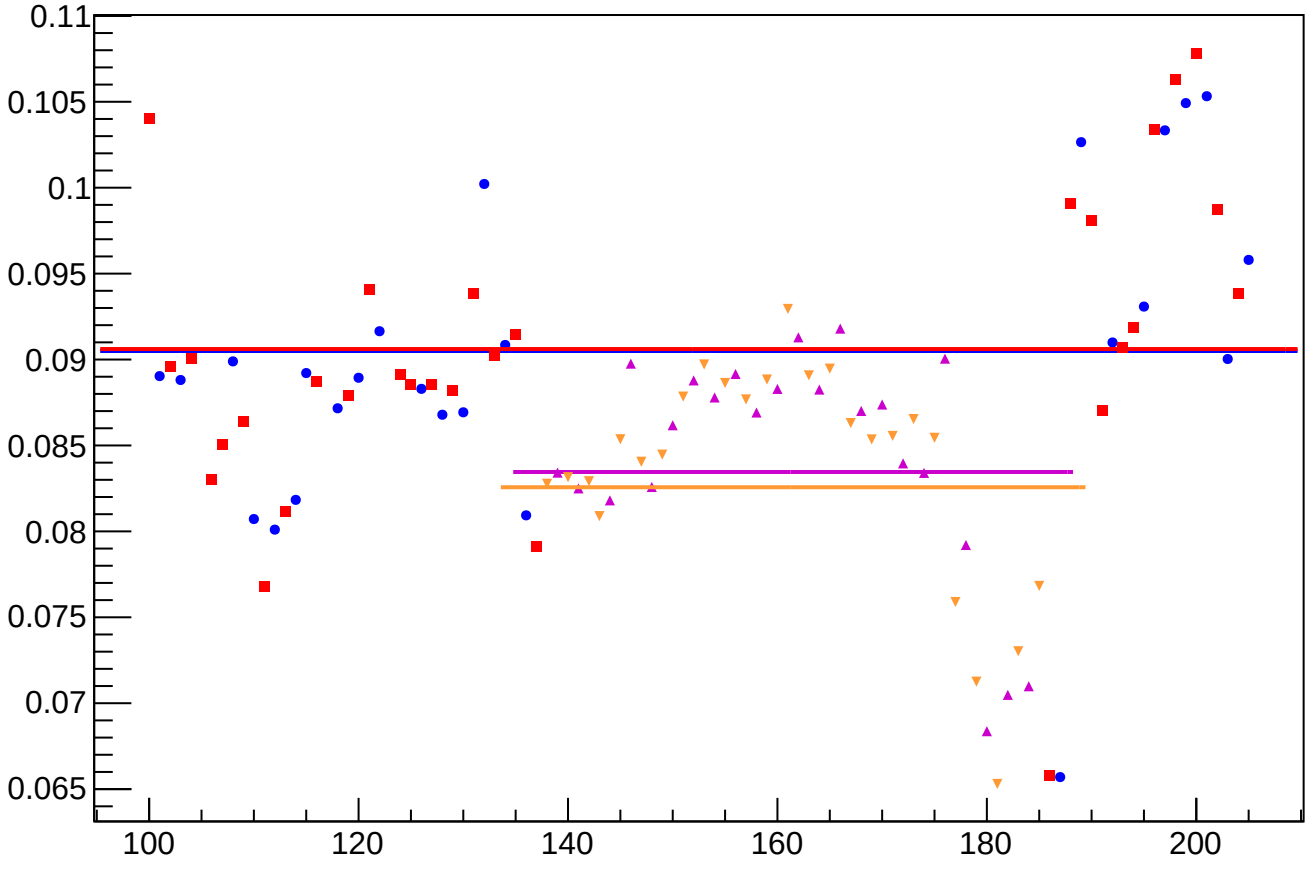
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.886+/-0.000 χ^2/NDF: 2359663218.1/49

All: -0.826+/-0.000 χ^2/NDF: 4583447920.1/1

- sign -0.766+/-0.000 χ^2/NDF: 2191493799.3/52

yield_bpm0r05X_rms vs Slug



Right In: 0.090+/-0.000 χ^2/NDF: 234769.8/24

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 325048.7/29

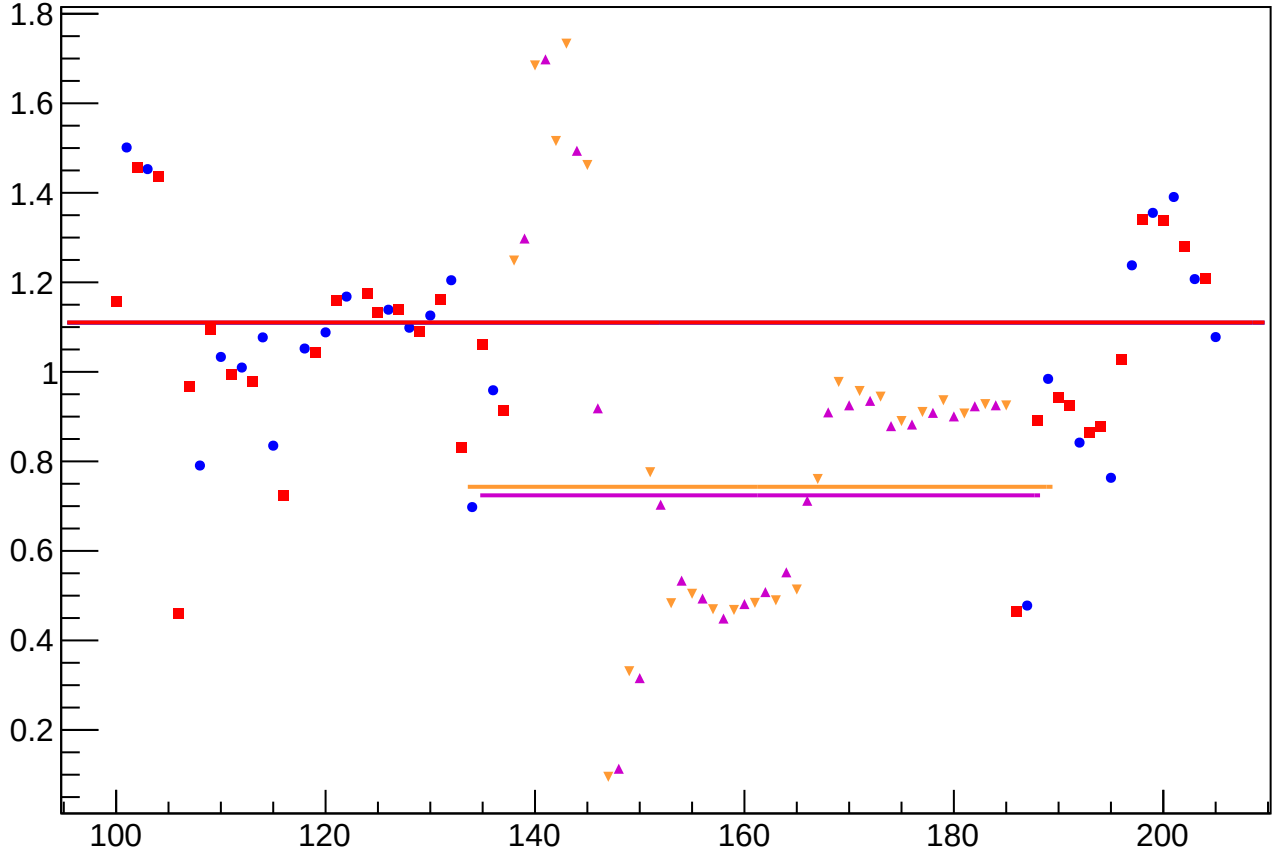
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.086+/-0.000 χ^2/NDF: 658768.7/49

All: 0.086+/-0.000 χ^2/NDF: 1336527.0/102

- sign 0.086+/-0.000 χ^2/NDF: 674286.0/52

yield_bpm0r05Y_mean vs Slug



Right In: 1.110+/-0.000 χ^2/NDF: 5003332598.8/24

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

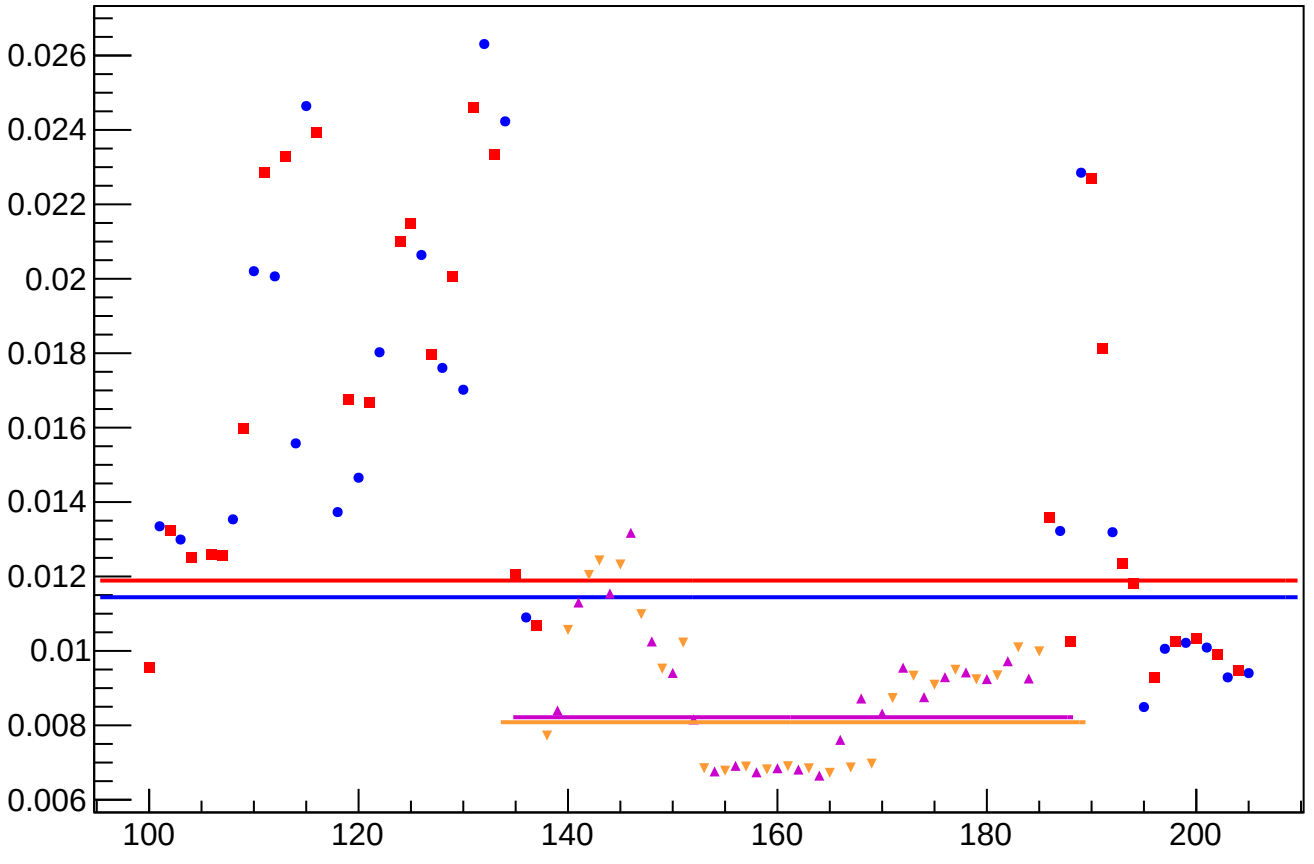
Right Out: 1.110+/-0.000 χ^2/NDF: 4643179477.0/29

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.836+/-0.000 χ^2/NDF: 46783829315.8/49

All: 0.832+/-0.000 χ^2/NDF: 87093488199.8/1

- sign 0.829+/-0.000 χ^2/NDF: 40301120264.3/52



Right In: 0.011+/-0.000 χ^2/NDF: 1996805.8/24

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2078770.8/29

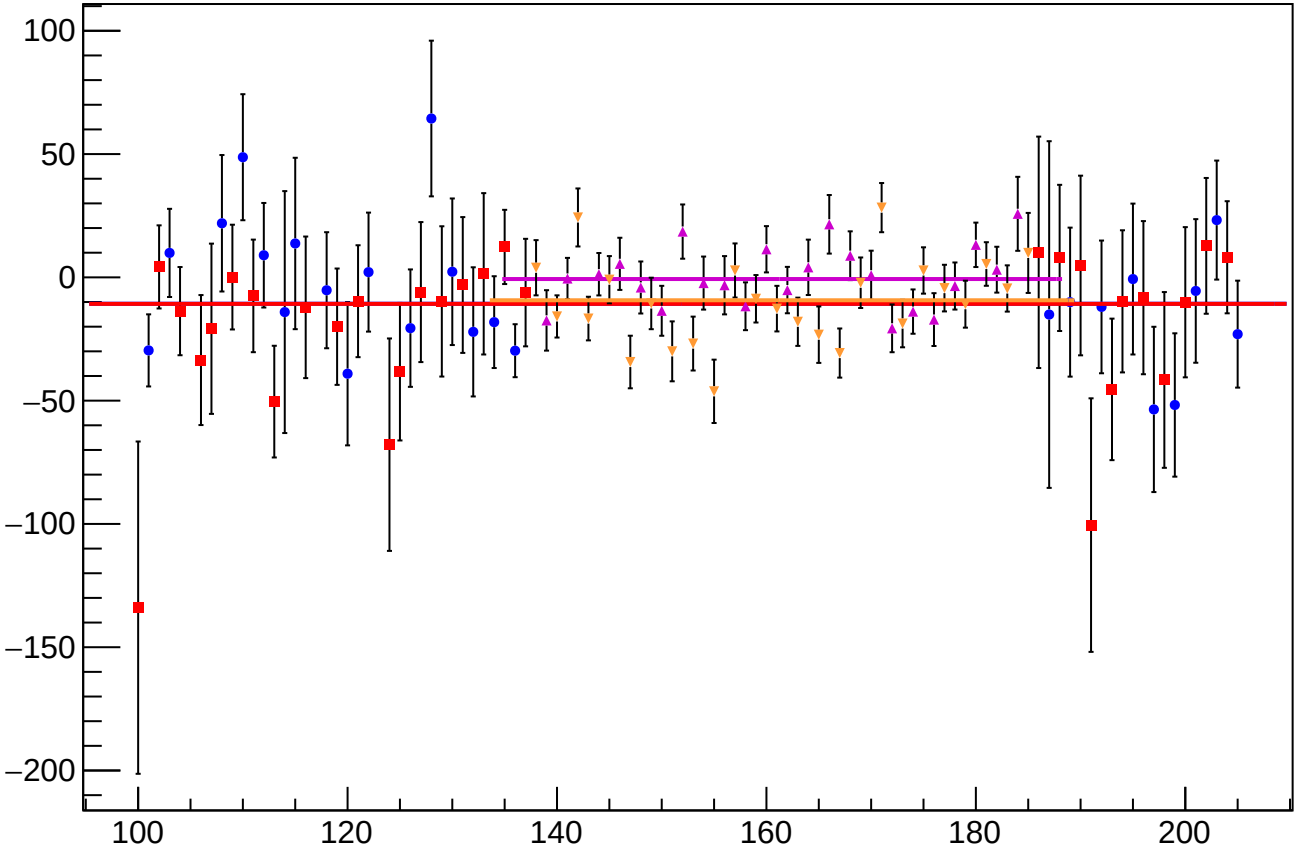
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4947025.2/49

All: 0.009+/-0.000 χ^2/NDF: 9990818.1/102

- sign 0.009+/-0.000 χ^2/NDF: 5015967.8/52

diff_bpm4aX_mean vs Slug



Right In: -10.697+/-4.634 χ^2/NDF: 28.0/24

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

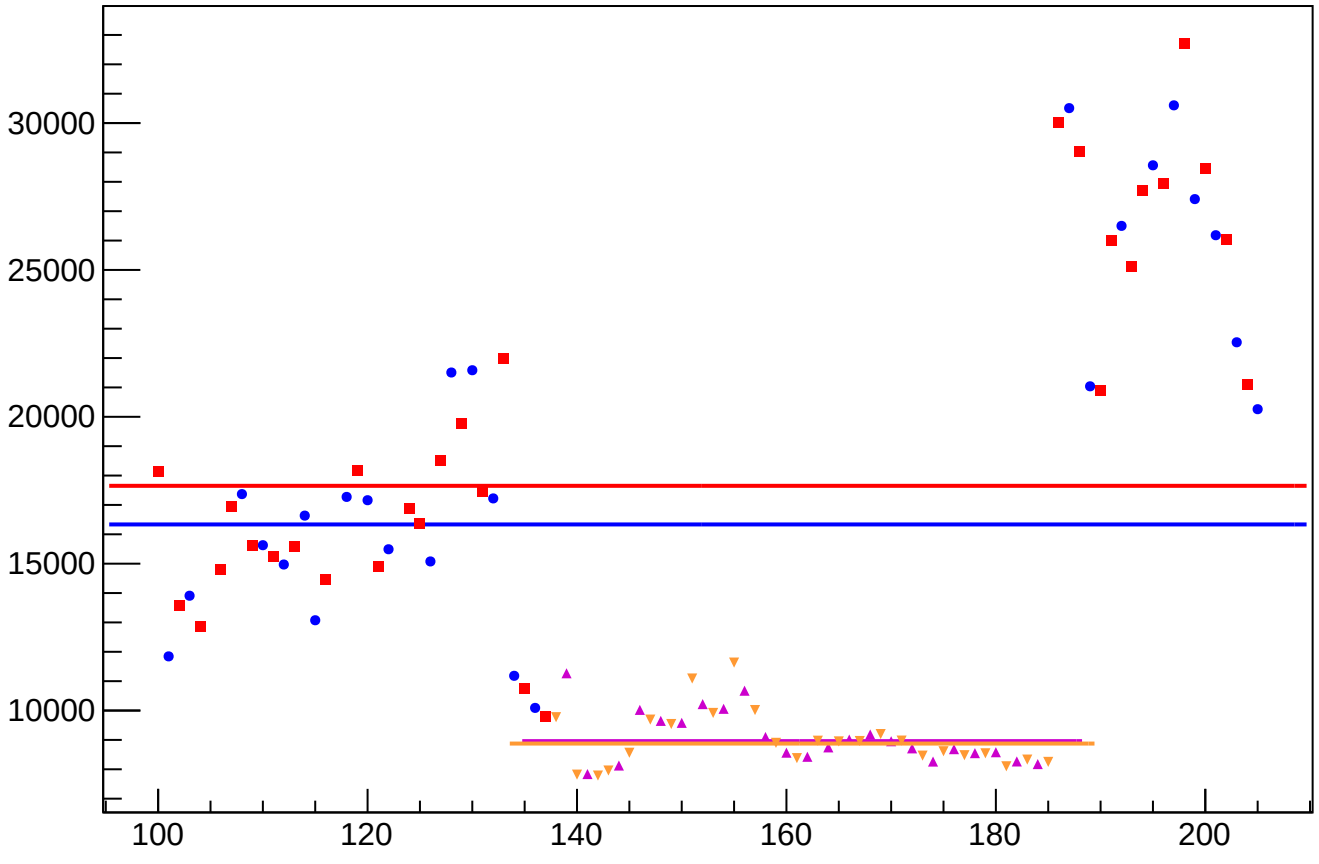
Right Out: -10.748+/-4.746 χ^2/NDF: 21.3/29

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.518+/-1.860 χ^2/NDF: 89.3/49

All: -6.045+/-1.337 χ^2/NDF: 151.0/102

- sign -2.330+/-1.924 χ^2/NDF: 54.5/52



Right In: 16335.744+/-3.277 χ^2/NDF: 3029915.0/24

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17650.446+/-3.356 χ^2/NDF: 3068921.4/29

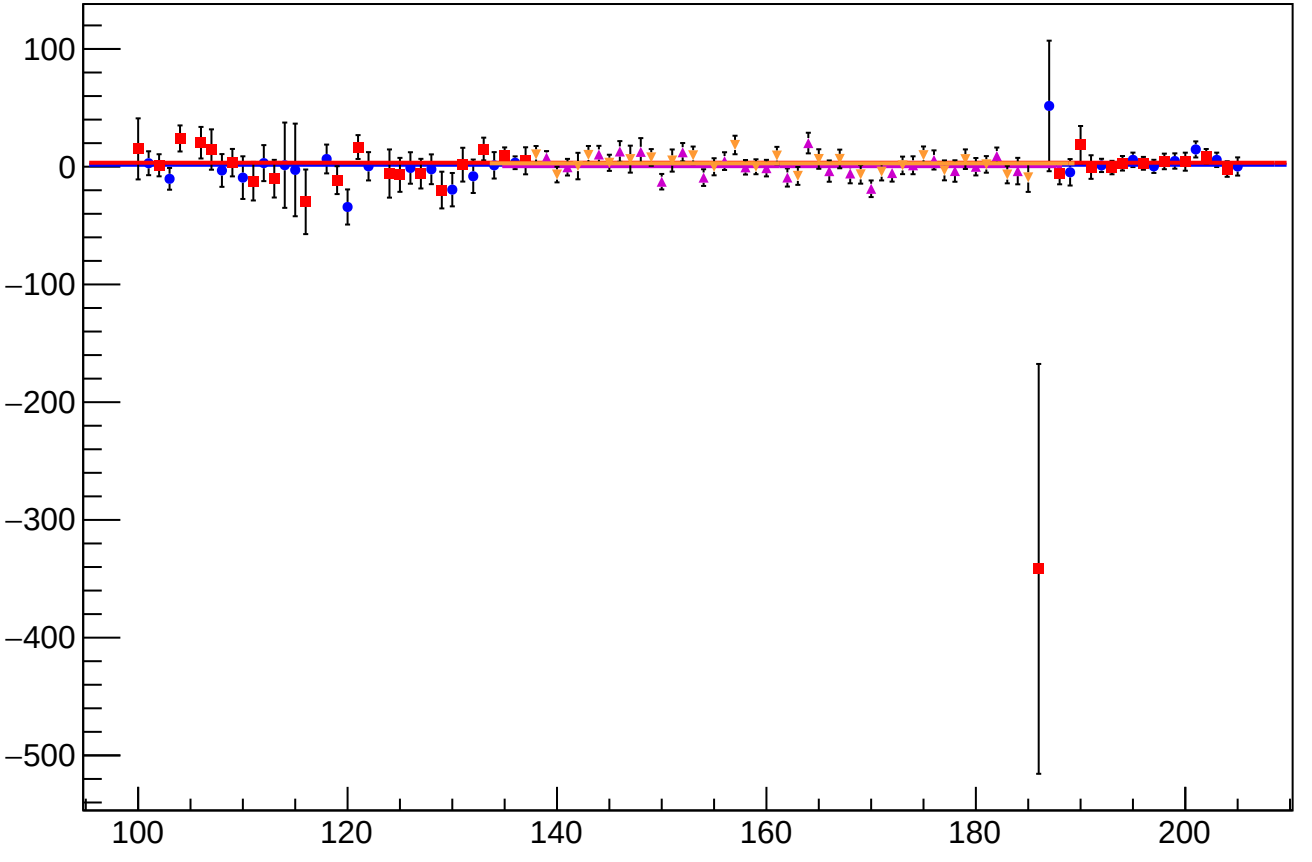
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10077.319+/-1.315 χ^2/NDF: 7725249.0/49

All: 10226.623+/-0.945 χ^2/NDF: 16727885.4

- sign 10386.341+/-1.360 χ^2/NDF: 8975959.9/52

diff_bpm4aY_mean vs Slug



Right In: 1.645+/-1.814 χ^2/NDF: 17.1/24

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.374+/-1.746 χ^2/NDF: 25.7/29

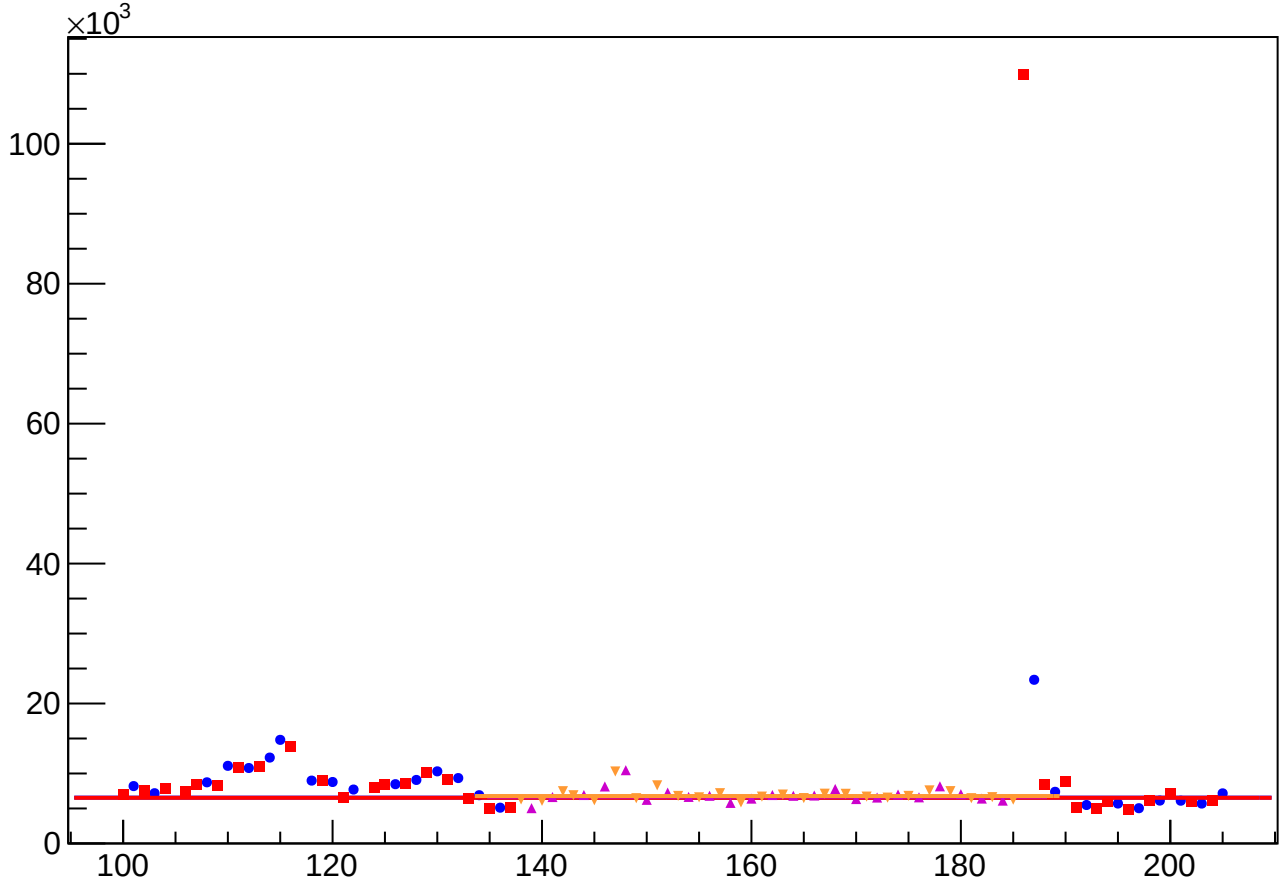
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.357+/-1.180 χ^2/NDF: 36.9/49

All: 2.062+/-0.832 χ^2/NDF: 97.0/102

- sign 1.771+/-1.172 χ^2/NDF: 60.0/52

diff_bpm4aY_rms vs Slug



Right In: 6549.230+/-1.282 χ^2/NDF: 1669928.0/24

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

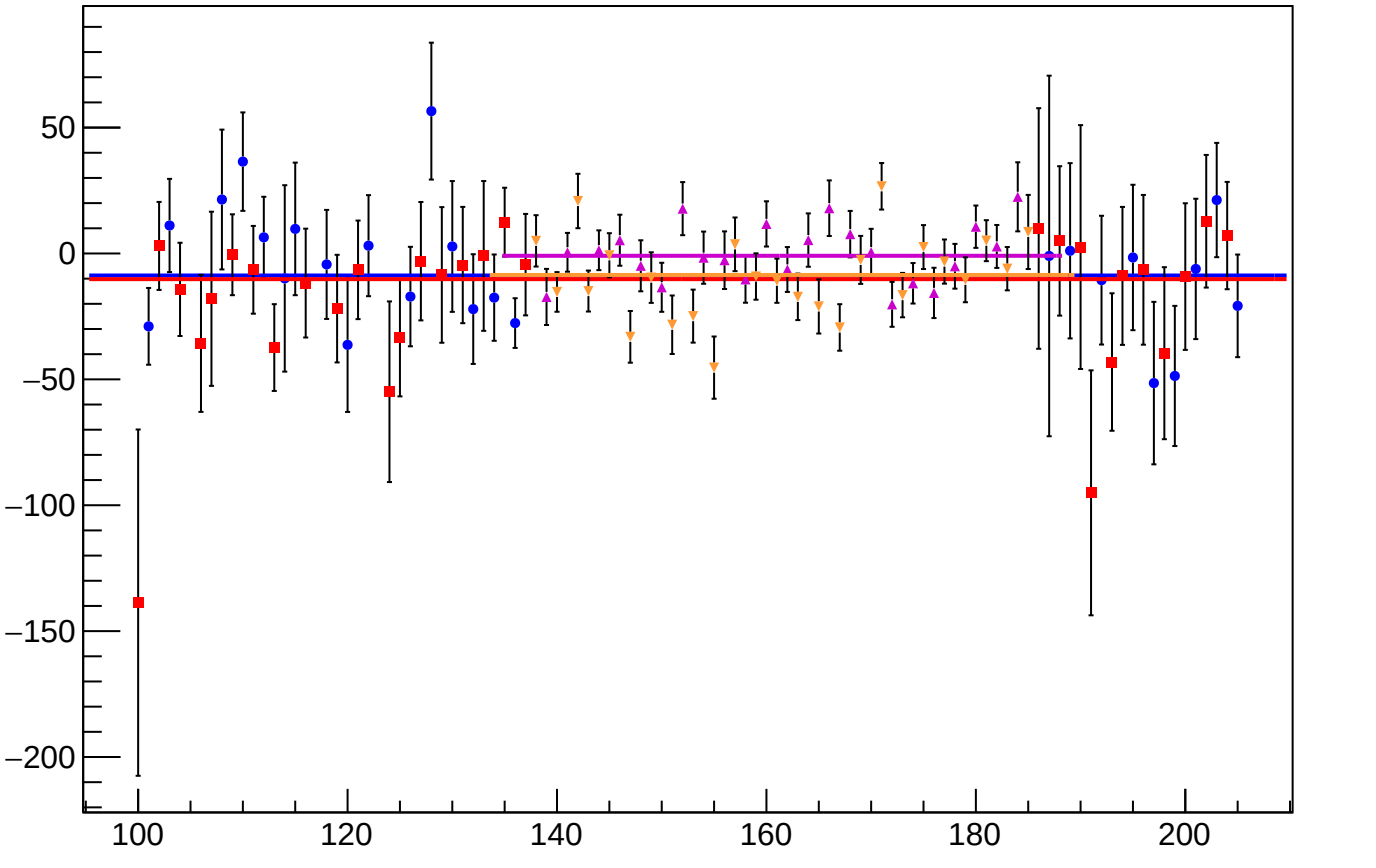
Right Out: 6525.298+/-1.235 χ^2/NDF: 2332432.0/29

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6680.436+/-0.834 χ^2/NDF: 2088245.7/49

All: 6647.766+/-0.588 χ^2/NDF: 5053723.9/10

- sign 6615.527+/-0.829 χ^2/NDF: 2962431.9/52



Right In: -8.748+/-4.226 χ^2/NDF: 28.8/24

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -10.199+/-4.280 χ^2/NDF: 21.1/29

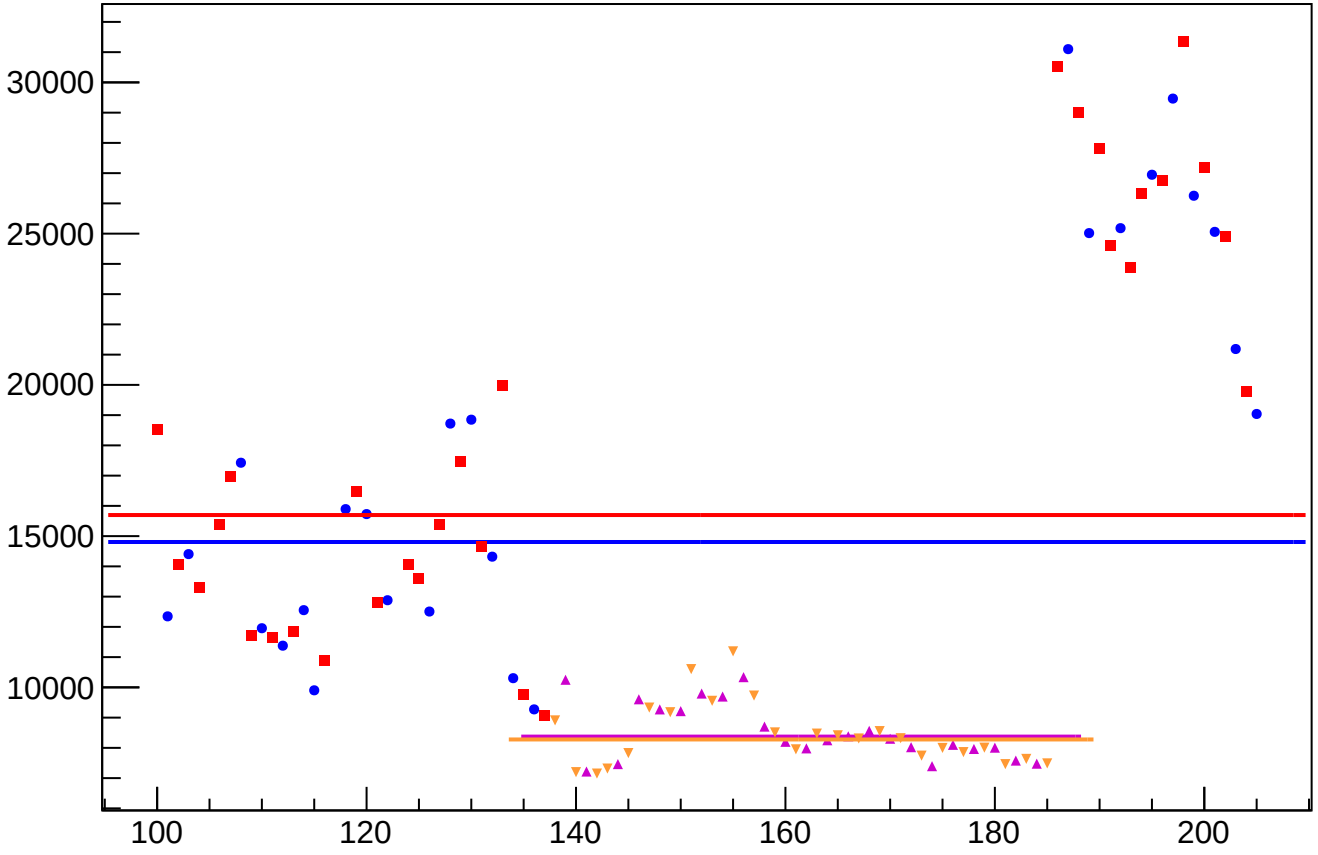
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.572+/-1.730 χ^2/NDF: 90.7/49

All: -5.656+/-1.244 χ^2/NDF: 150.6/102

- sign -2.540+/-1.789 χ^2/NDF: 54.1/52

diff_bpm4eX_rms vs Slug



Right In: 14806.104+/-2.988 χ^2/NDF: 3415285.4/24

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15697.338+/-3.026 χ^2/NDF: 3794999.2/29

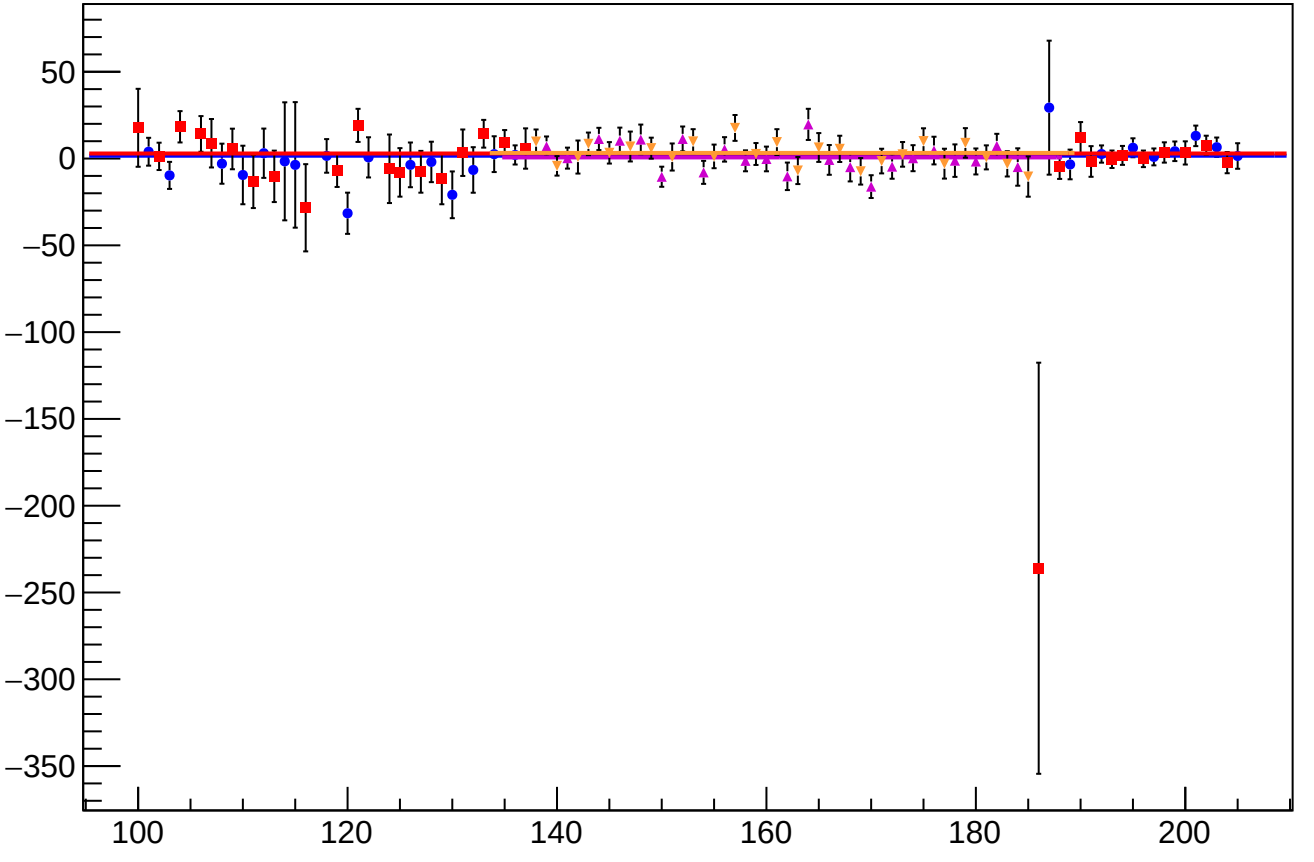
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9372.227+/-1.224 χ^2/NDF: 7842809.8/49

All: 9507.436+/-0.879 χ^2/NDF: 16891449.9/1

- sign 9651.910+/-1.265 χ^2/NDF: 9023381.1/52

diff_bpm4eY_mean vs Slug



Right In: 1.638+/-1.616 χ^2/NDF: 20.4/24

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

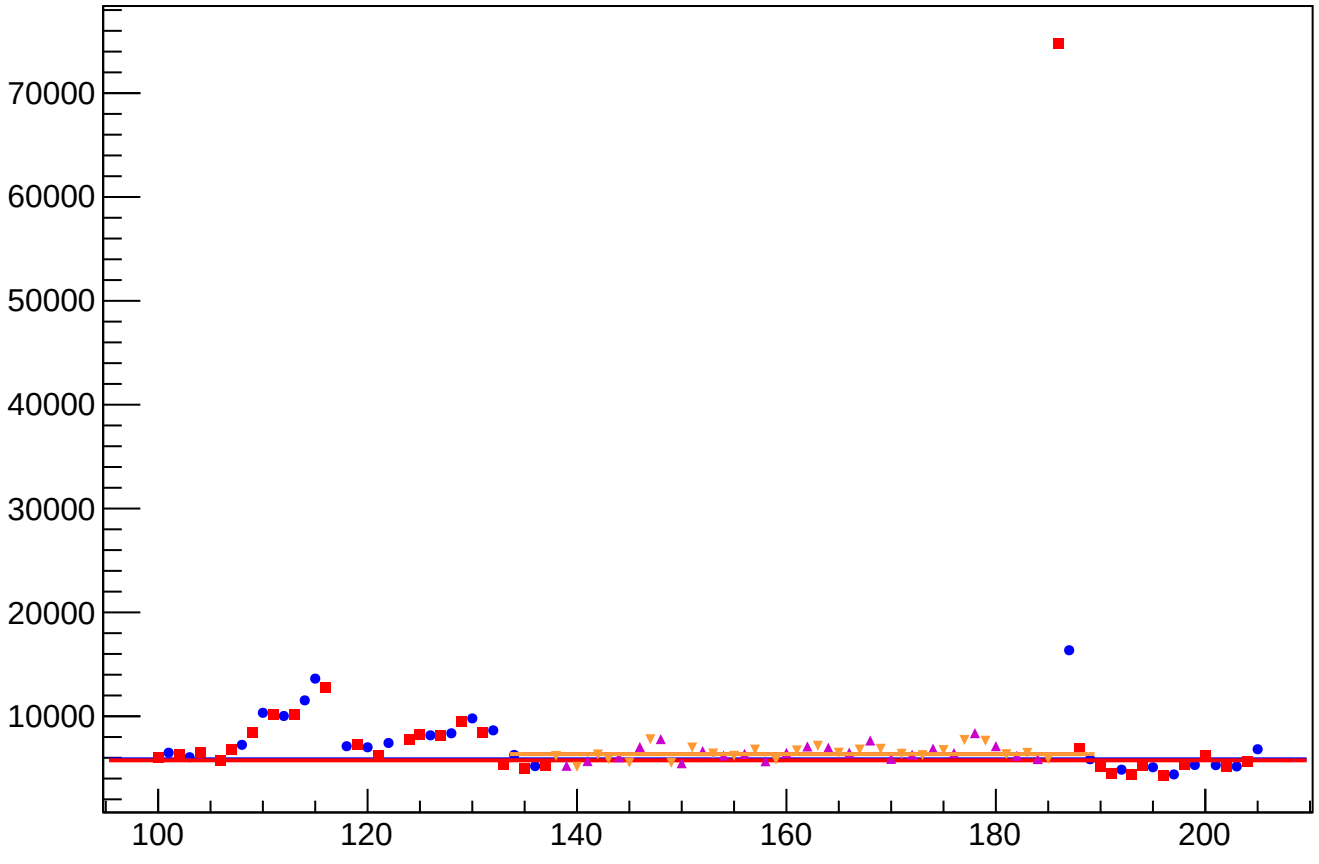
Right Out: 2.915+/-1.533 χ^2/NDF: 26.5/29

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.530+/-1.082 χ^2/NDF: 38.6/49

All: 2.139+/-0.762 χ^2/NDF: 97.2/102

- sign 1.755+/-1.072 χ^2/NDF: 58.3/52



Right In: 5852.059+/-1.142 χ^2/NDF: 1592893.8/24

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5754.983+/-1.084 χ^2/NDF: 2292666.1/29

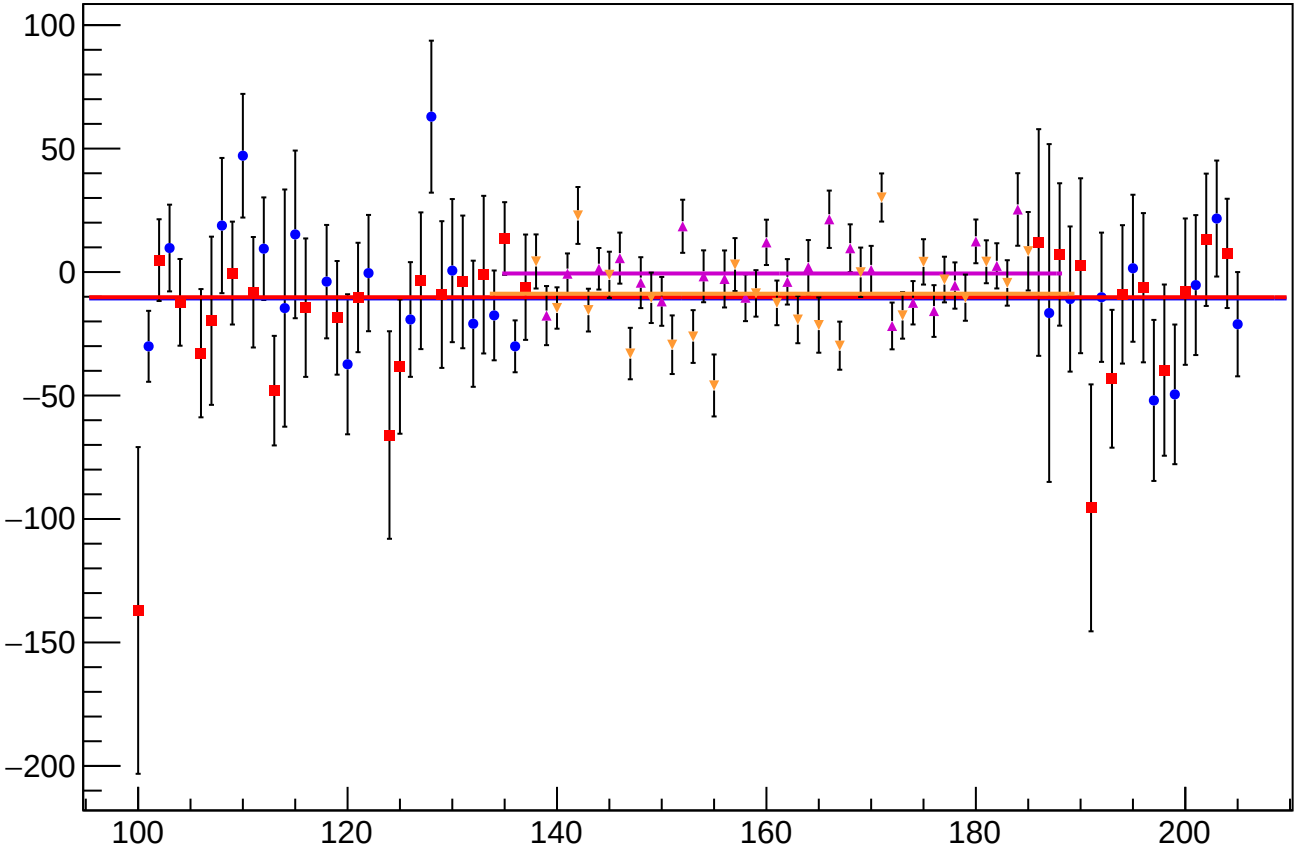
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6130.844+/-0.765 χ^2/NDF: 2114994.8/49

All: 6097.233+/-0.538 χ^2/NDF: 5044499.7/10

- sign 6064.247+/-0.758 χ^2/NDF: 2925681.7/52

diff_bpm4acX_mean vs Slug



Right In: -10.682+/-4.529 χ^2/NDF: 27.9/24

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -10.199+/-4.639 χ^2/NDF: 21.5/29

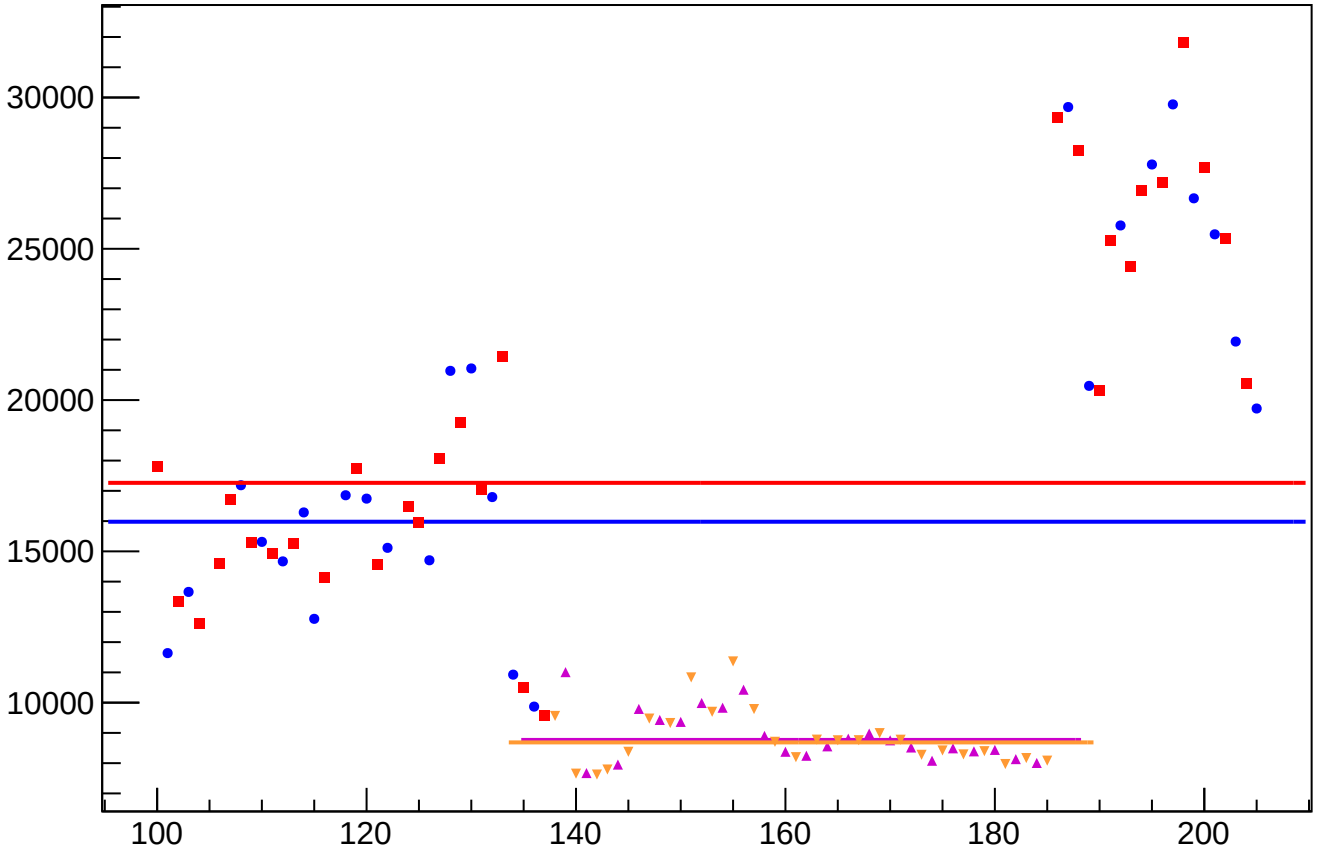
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.076+/-1.820 χ^2/NDF: 90.8/49

All: -5.736+/-1.308 χ^2/NDF: 152.4/102

- sign -2.163+/-1.882 χ^2/NDF: 54.7/52

diff_bpm4acX_rms vs Slug



Right In: 15979.292+/-3.203 χ^2/NDF: 2989916.2/24

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17264.389+/-3.280 χ^2/NDF: 3022942.8/29

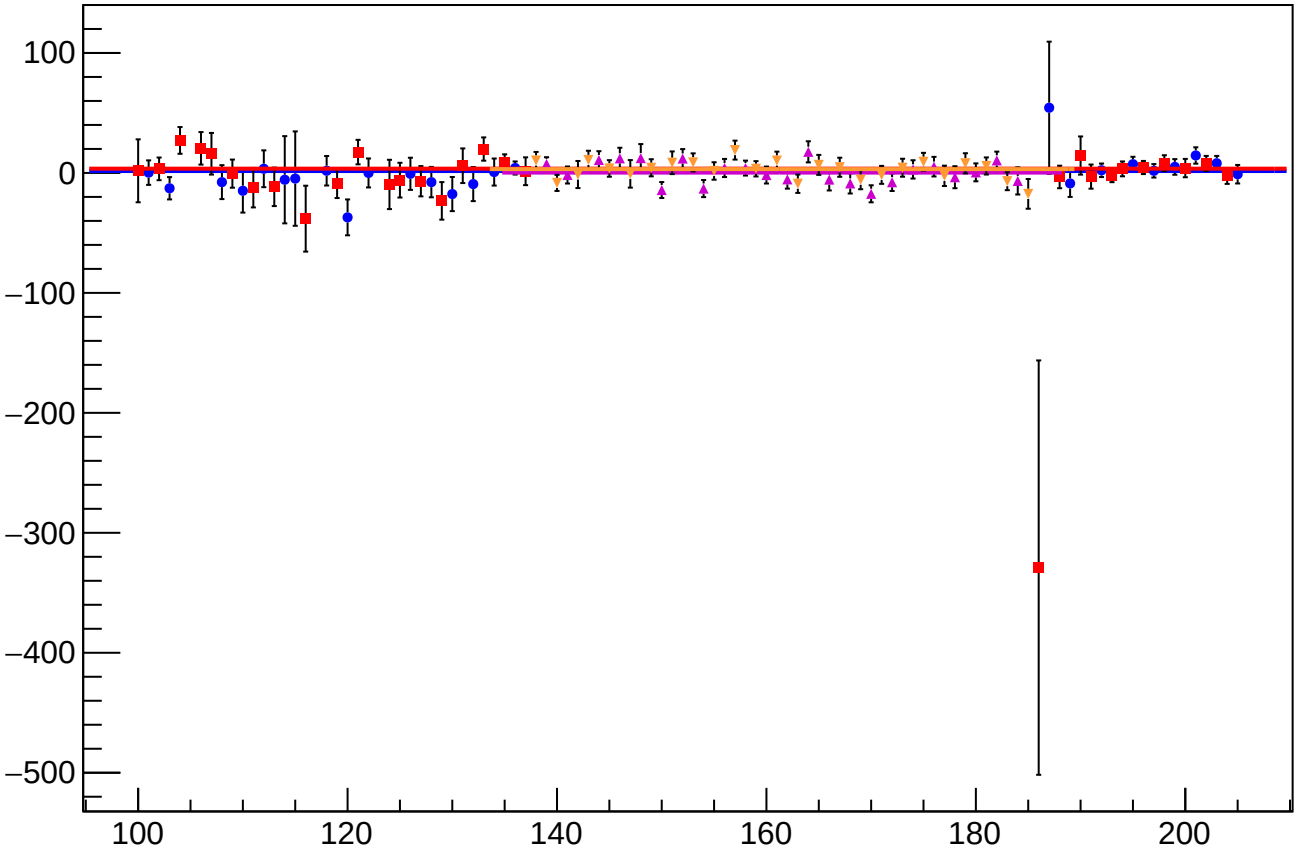
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9863.178+/-1.287 χ^2/NDF: 7679572.4/49

All: 10009.654+/-0.925 χ^2/NDF: 16630569.9

- sign 10166.356+/-1.331 χ^2/NDF: 8924171.6/52

diff_bpm4acY_mean vs Slug



Right In: 1.575+/-1.820 χ^2/NDF: 21.4/24

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.560+/-1.753 χ^2/NDF: 29.5/29

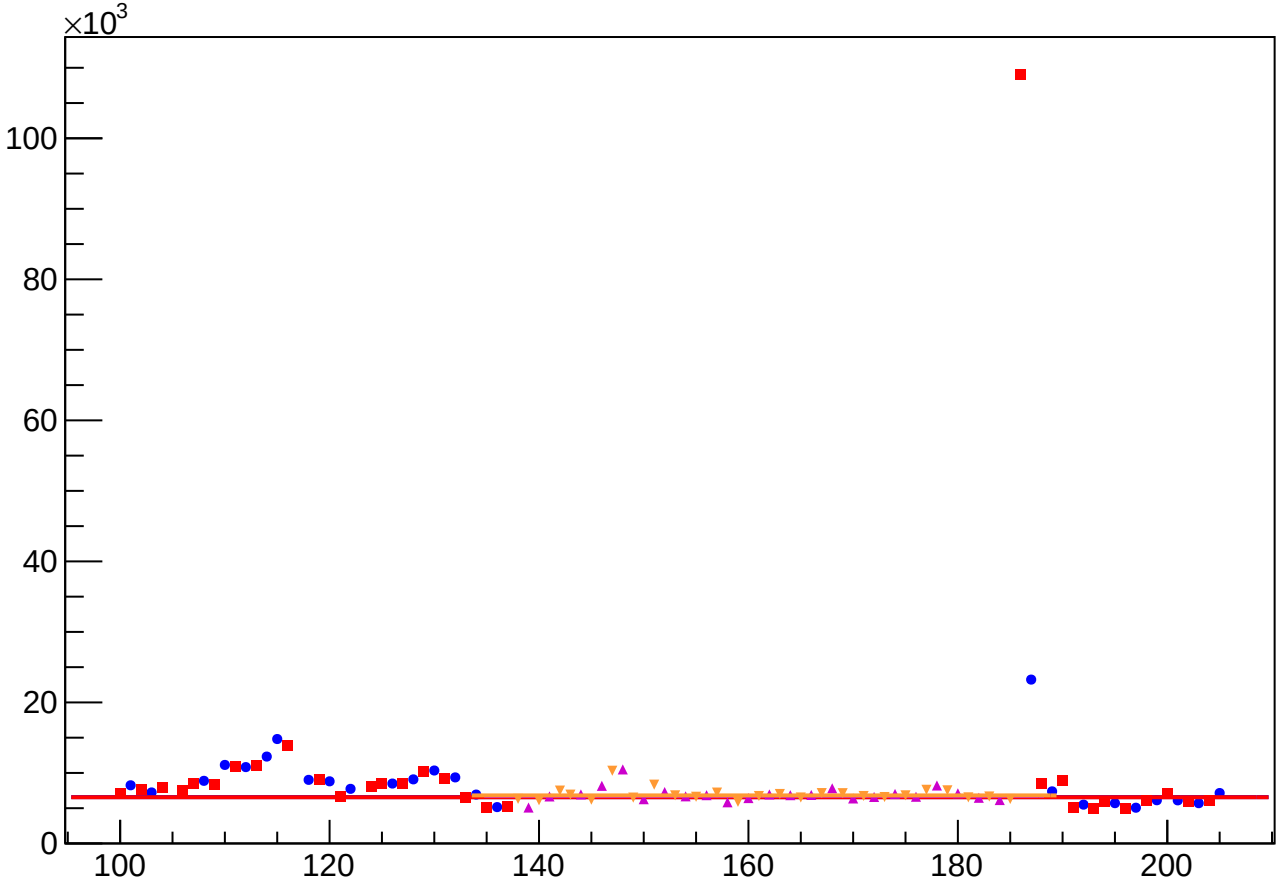
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.494+/-1.185 χ^2/NDF: 43.5/49

All: 2.122+/-0.835 χ^2/NDF: 109.3/102

- sign 1.755+/-1.178 χ^2/NDF: 65.7/52

diff_bpm4acY_rms vs Slug



Right In: 6571.961+/-1.287 χ^2/NDF: 1667789.3/24

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

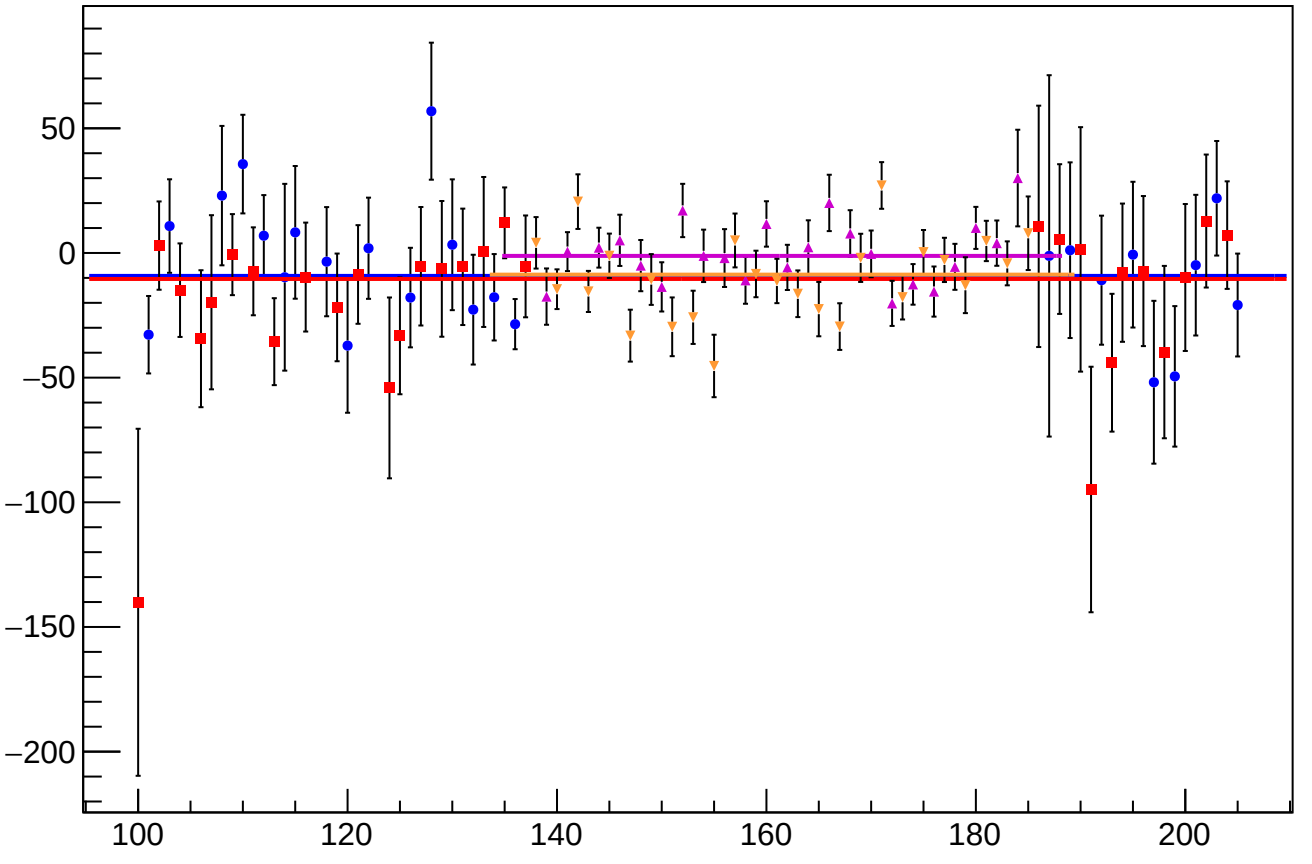
Right Out: 6552.257+/-1.239 χ^2/NDF: 2326912.2/29

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6710.727+/-0.838 χ^2/NDF: 2082612.1/49

All: 6679.458+/-0.591 χ^2/NDF: 5033341.0/10

- sign 6648.578+/-0.833 χ^2/NDF: 2947961.6/52



Right In: -9.199+/-4.283 χ^2/NDF: 29.4/24

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -10.424+/-4.340 χ^2/NDF: 20.0/29

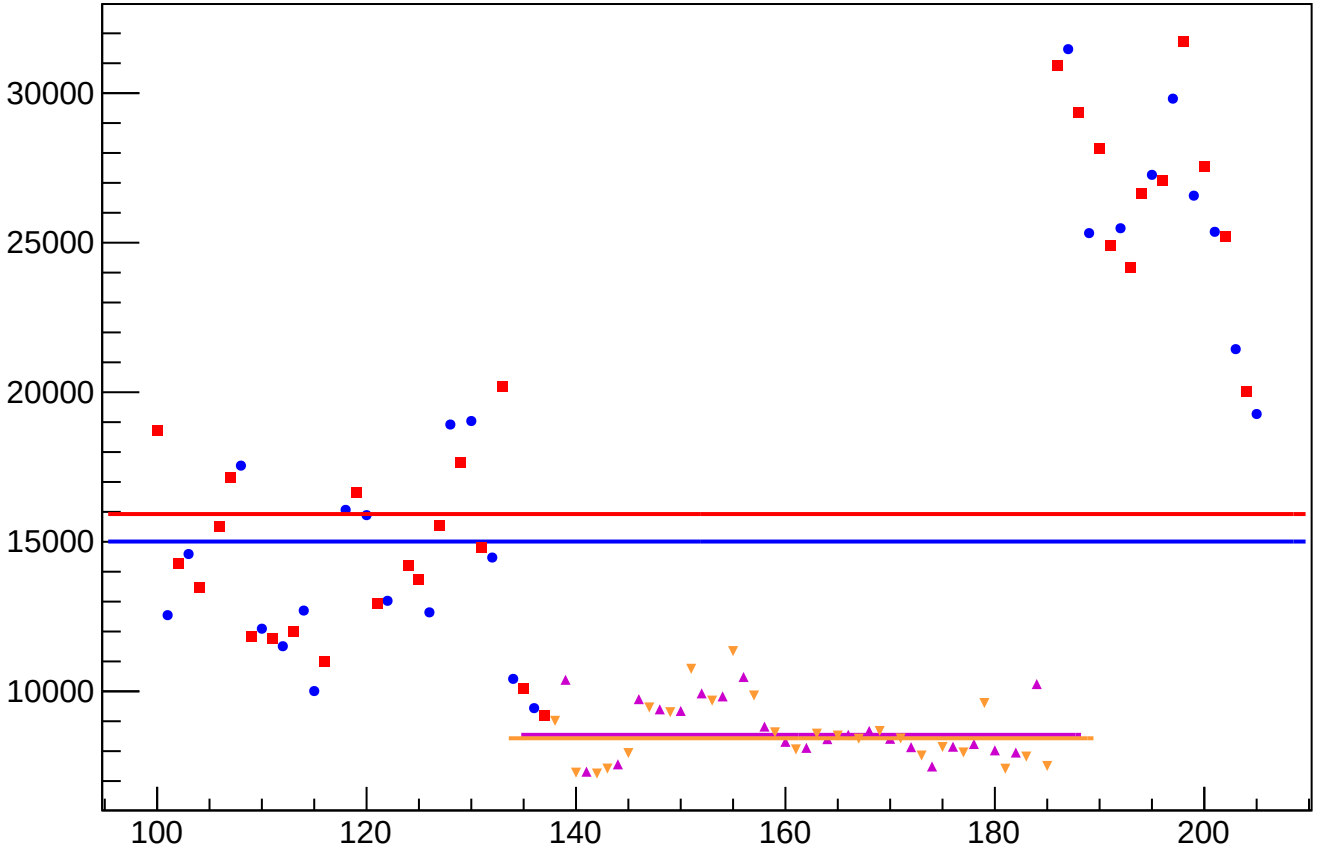
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.778+/-1.764 χ^2/NDF: 90.8/49

All: -5.897+/-1.269 χ^2/NDF: 148.7/102

- sign -2.811+/-1.826 χ^2/NDF: 52.3/52

diff_bpm4ecX_rms vs Slug



Right In: 15008.263+/-3.029 χ^2/NDF: 3391211.0/24

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15927.575+/-3.069 χ^2/NDF: 3753675.0/29

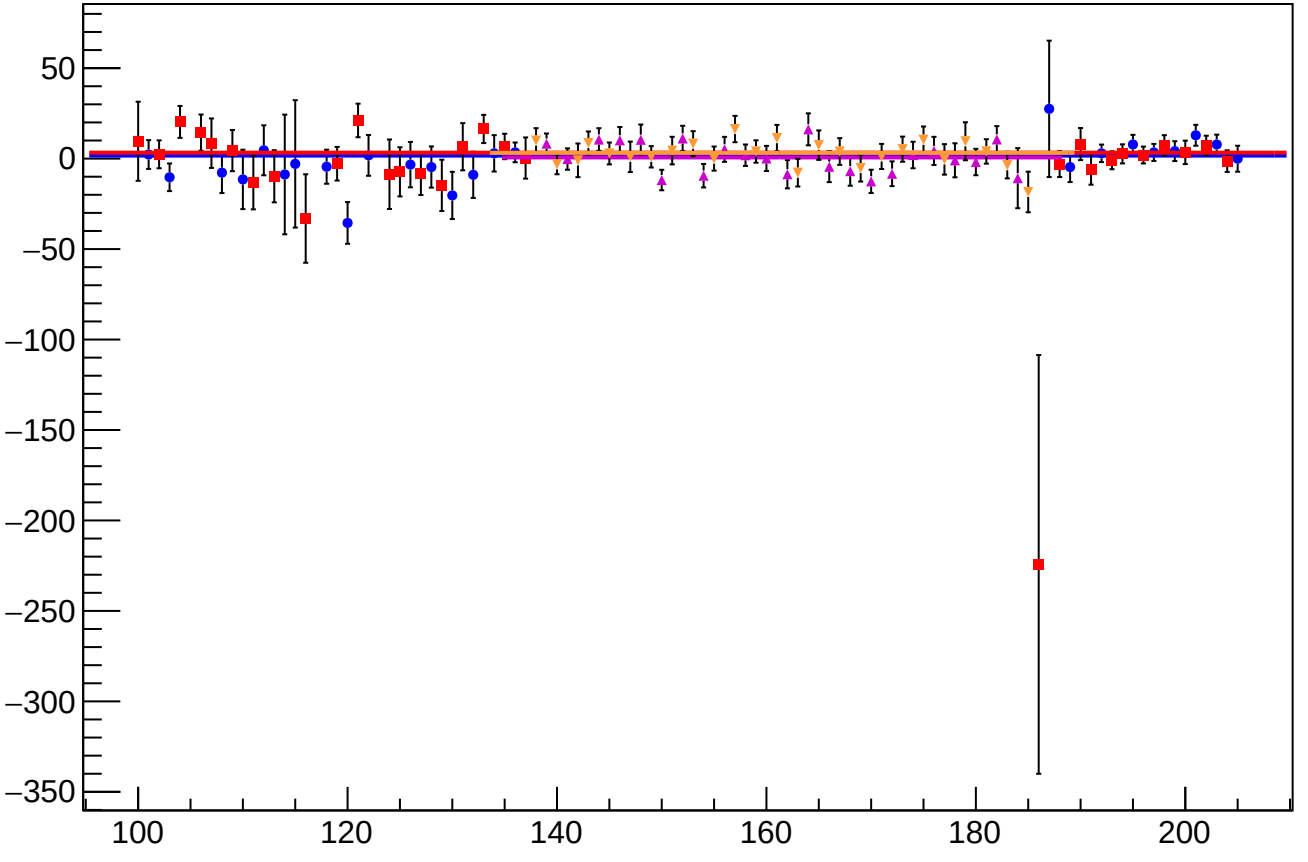
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9546.771+/-1.248 χ^2/NDF: 7792511.8/49

All: 9694.046+/-0.897 χ^2/NDF: 16726973.6/1

- sign 9851.753+/-1.291 χ^2/NDF: 8905600.9/52

diff_bpm4ecY_mean vs Slug



Right In: 1.666+/-1.577 χ^2/NDF: 26.9/24

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.294+/-1.495 χ^2/NDF: 29.0/29

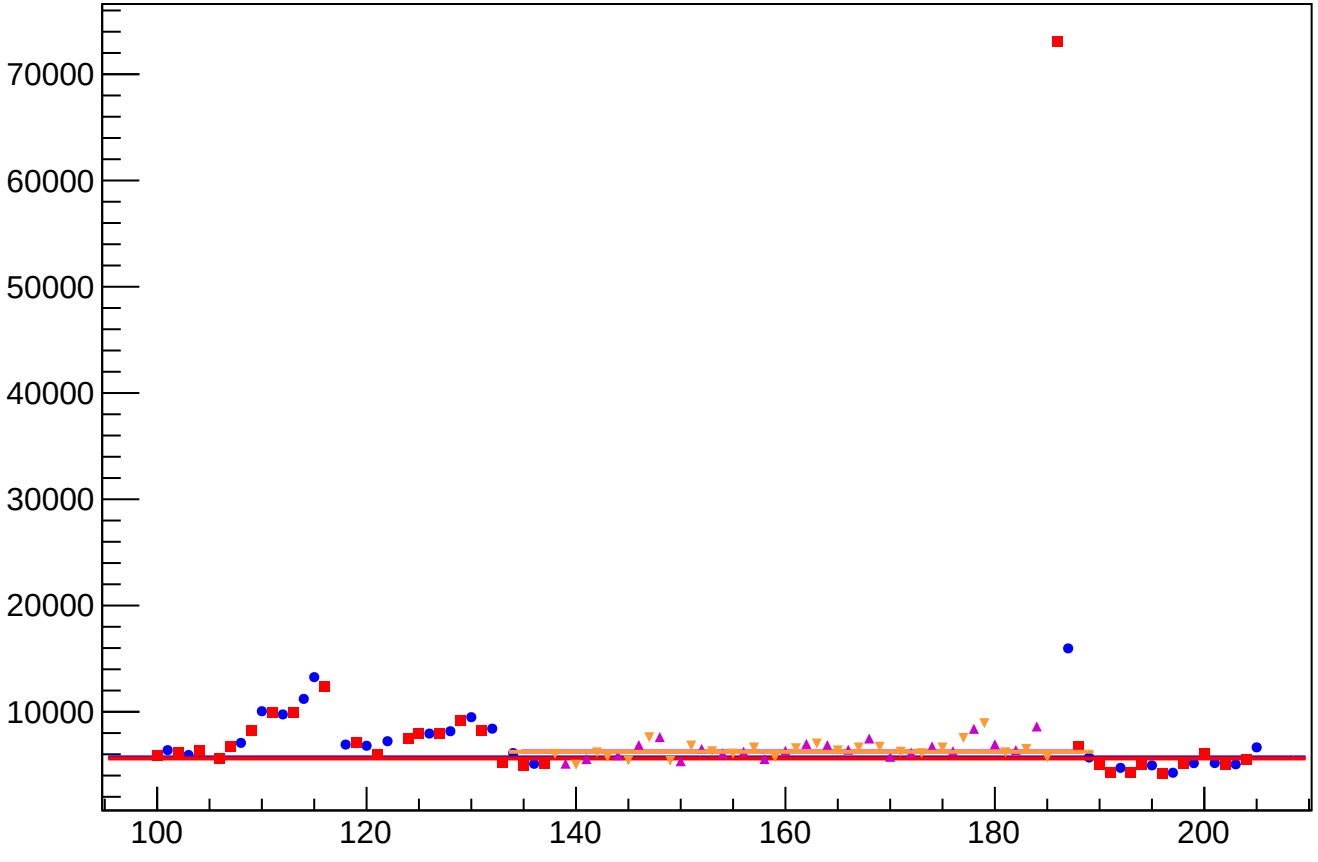
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.497+/-1.061 χ^2/NDF: 46.0/49

All: 2.222+/-0.747 χ^2/NDF: 108.6/102

- sign 1.952+/-1.053 χ^2/NDF: 62.4/52

diff_bpm4ecY_rms vs Slug



Right In: 5707.515+/-1.115 χ^2/NDF: 1593384.0/24

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5610.600+/-1.057 χ^2/NDF: 2274434.5/29

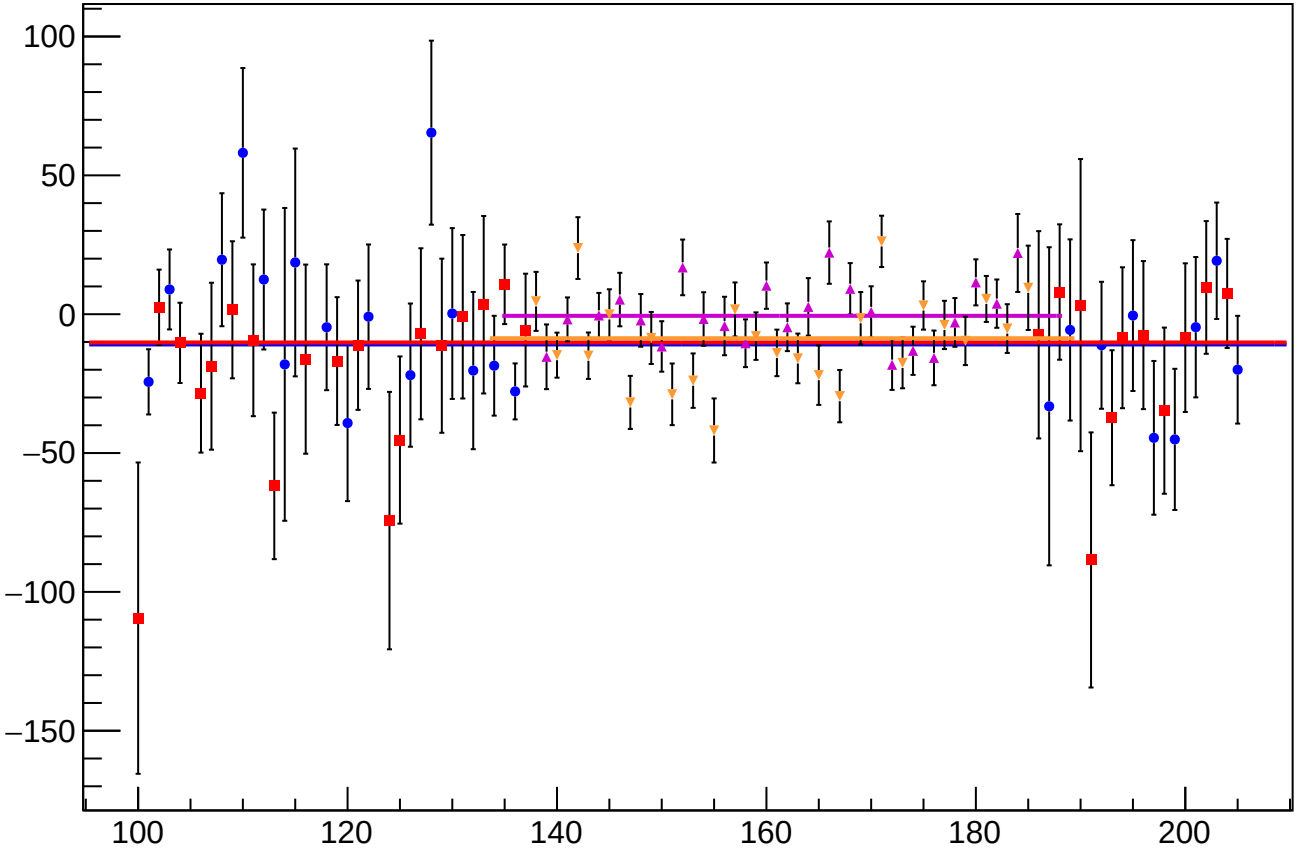
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 5997.631+/-0.750 χ^2/NDF: 2224940.1/49

All: 5969.802+/-0.528 χ^2/NDF: 5221636.8/10

- sign 5942.423+/-0.744 χ^2/NDF: 2993967.7/52

diff_bpm1X_mean vs Slug



Right In: -10.894+/-4.320 χ^2/NDF: 27.2/24

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -10.175+/-4.443 χ^2/NDF: 21.7/29

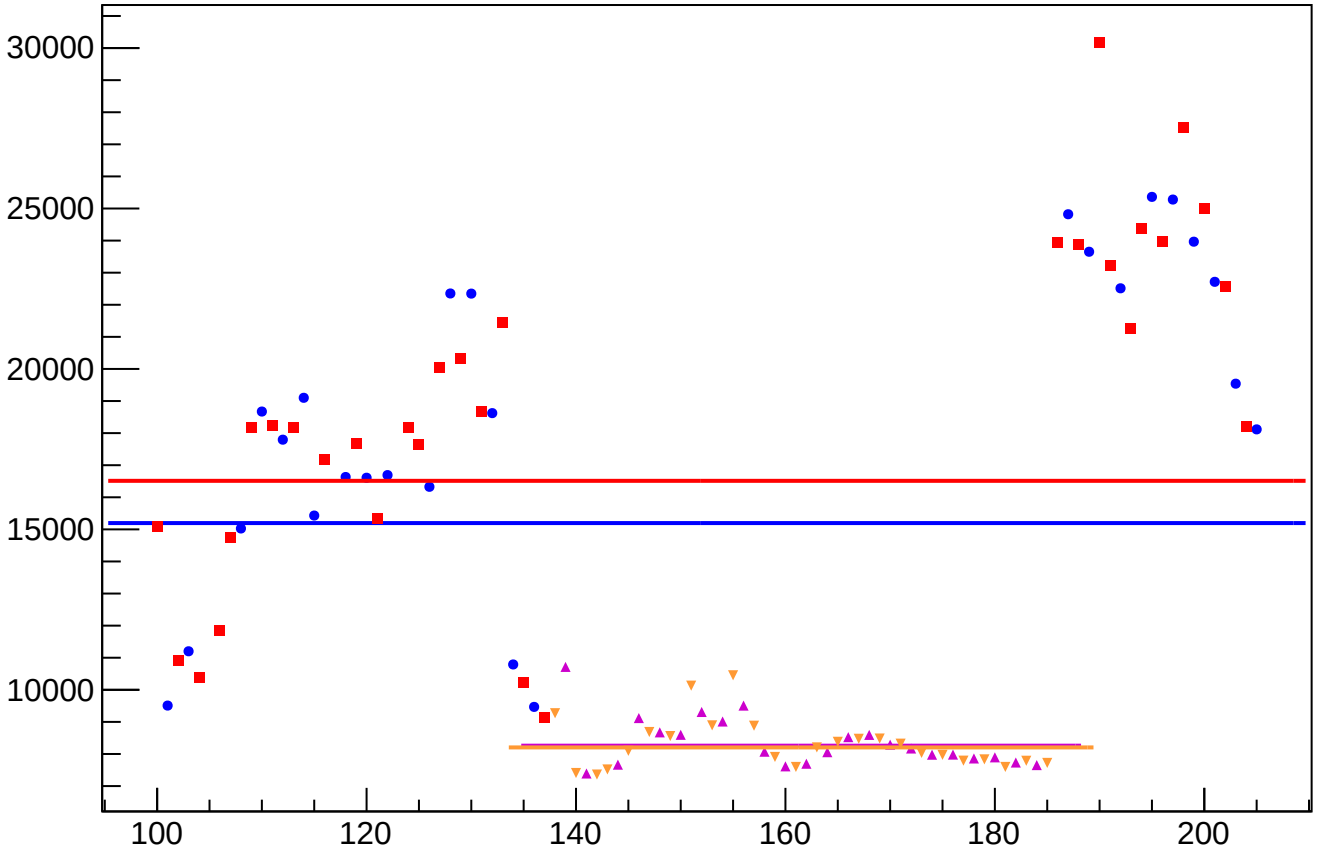
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.006+/-1.720 χ^2/NDF: 90.5/49

All: -5.674+/-1.236 χ^2/NDF: 152.4/102

- sign -2.117+/-1.777 χ^2/NDF: 54.1/52

diff_bpm1X_rms vs Slug



Right In: 15196.460+/-3.055 χ^2/NDF: 3188343.0/24

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16512.911+/-3.142 χ^2/NDF: 3088504.3/29

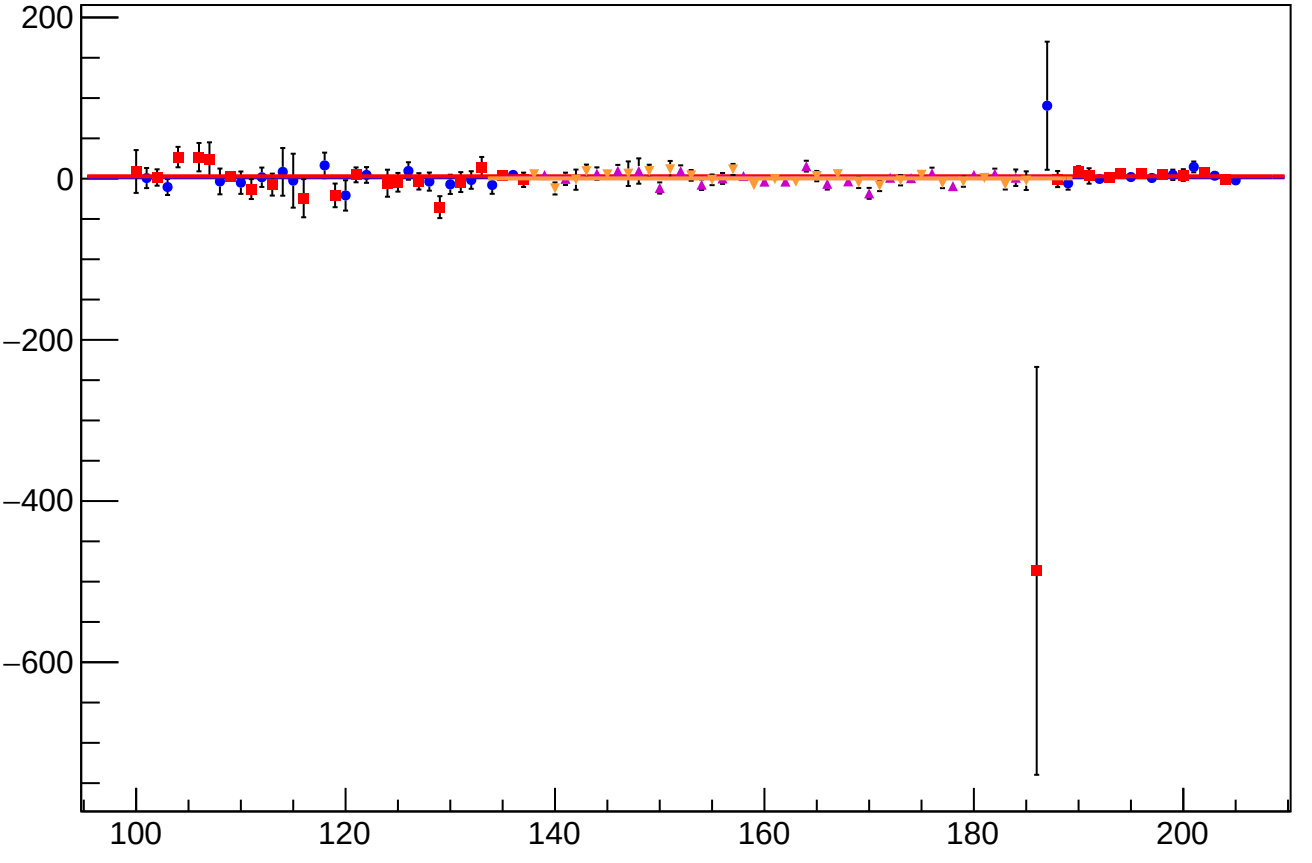
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9313.020+/-1.216 χ^2/NDF: 7870229.0/49

All: 9441.886+/-0.874 χ^2/NDF: 17037145.0/1

- sign 9579.430+/-1.257 χ^2/NDF: 9143707.4/52

diff_bpm1Y_mean vs Slug



Right In: 1.704+/-1.626 χ^2/NDF: 13.7/24

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.958+/-1.512 χ^2/NDF: 29.8/29

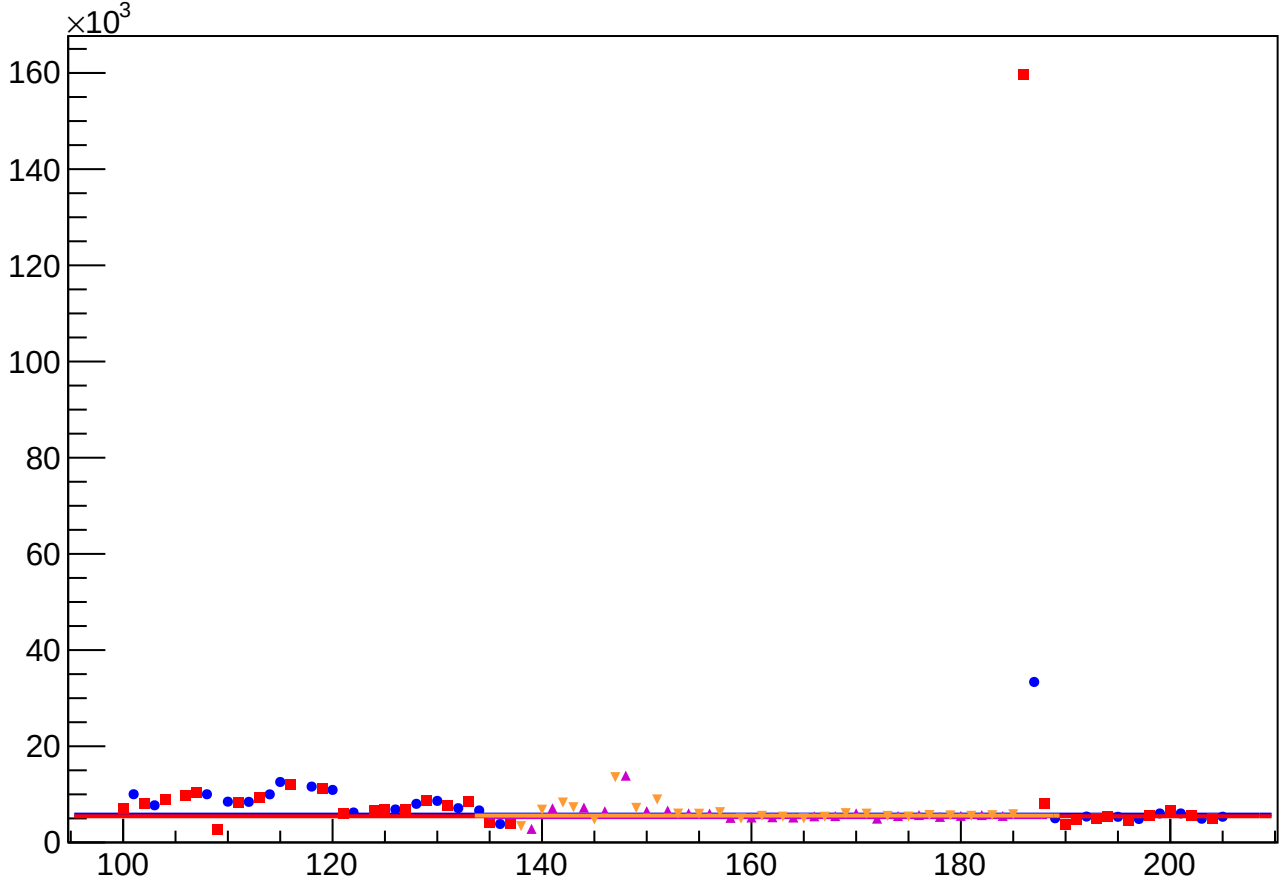
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.890+/-1.026 χ^2/NDF: 35.6/49

All: 1.290+/-0.709 χ^2/NDF: 96.9/102

- sign 1.657+/-0.982 χ^2/NDF: 61.0/52

diff_bpm1Y_rms vs Slug



Right In: 5787.065+/-1.150 χ^2/NDF: 2286532.1/24

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5442.965+/-1.069 χ^2/NDF: 3750397.9/29

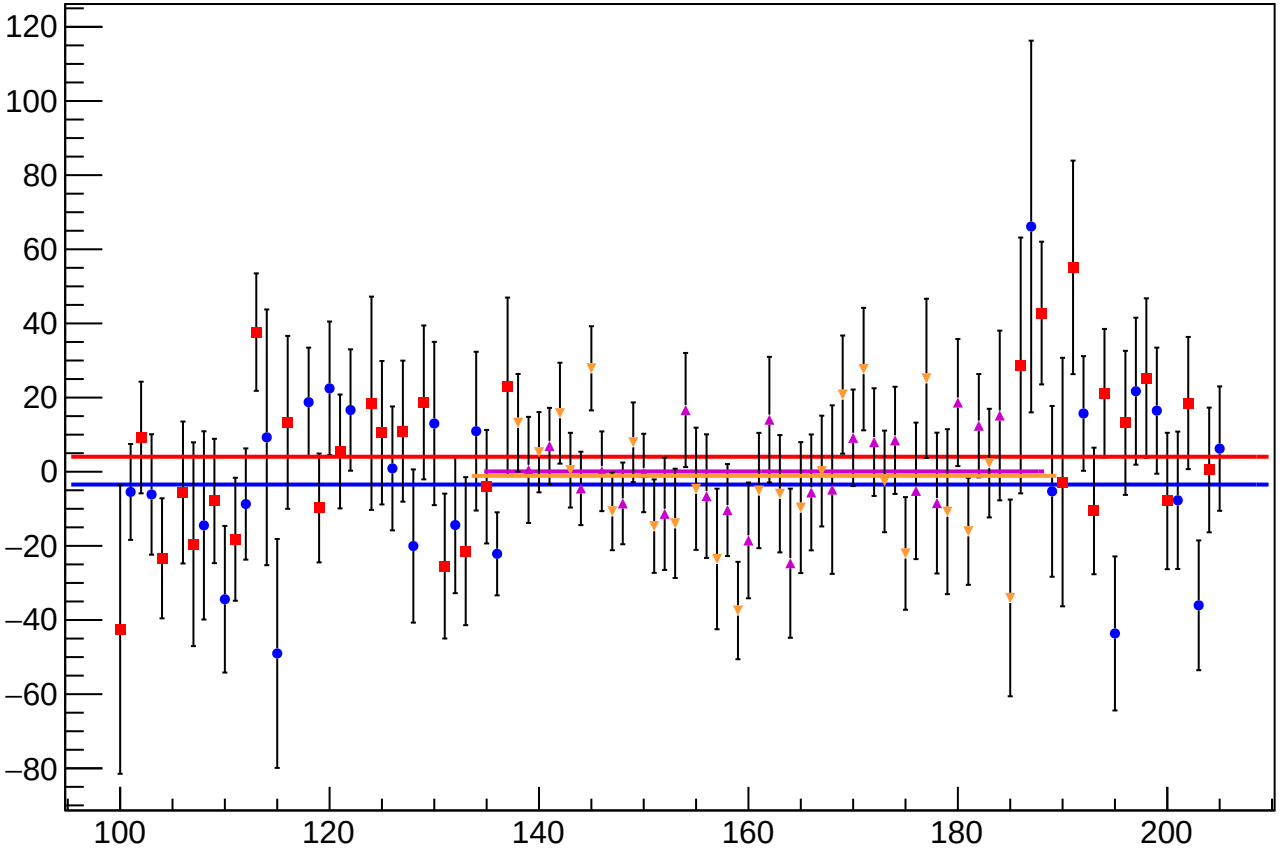
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5671.095+/-0.725 χ^2/NDF: 4087678.8/49

All: 5497.691+/-0.502 χ^2/NDF: 10389682.9/1

- sign 5338.723+/-0.694 χ^2/NDF: 6192425.6/52

diff_bpm11X_mean vs Slug



Right In: -3.460+/-3.598 χ^2/NDF: 29.9/24

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 4.046+/-3.497 χ^2/NDF: 30.9/29

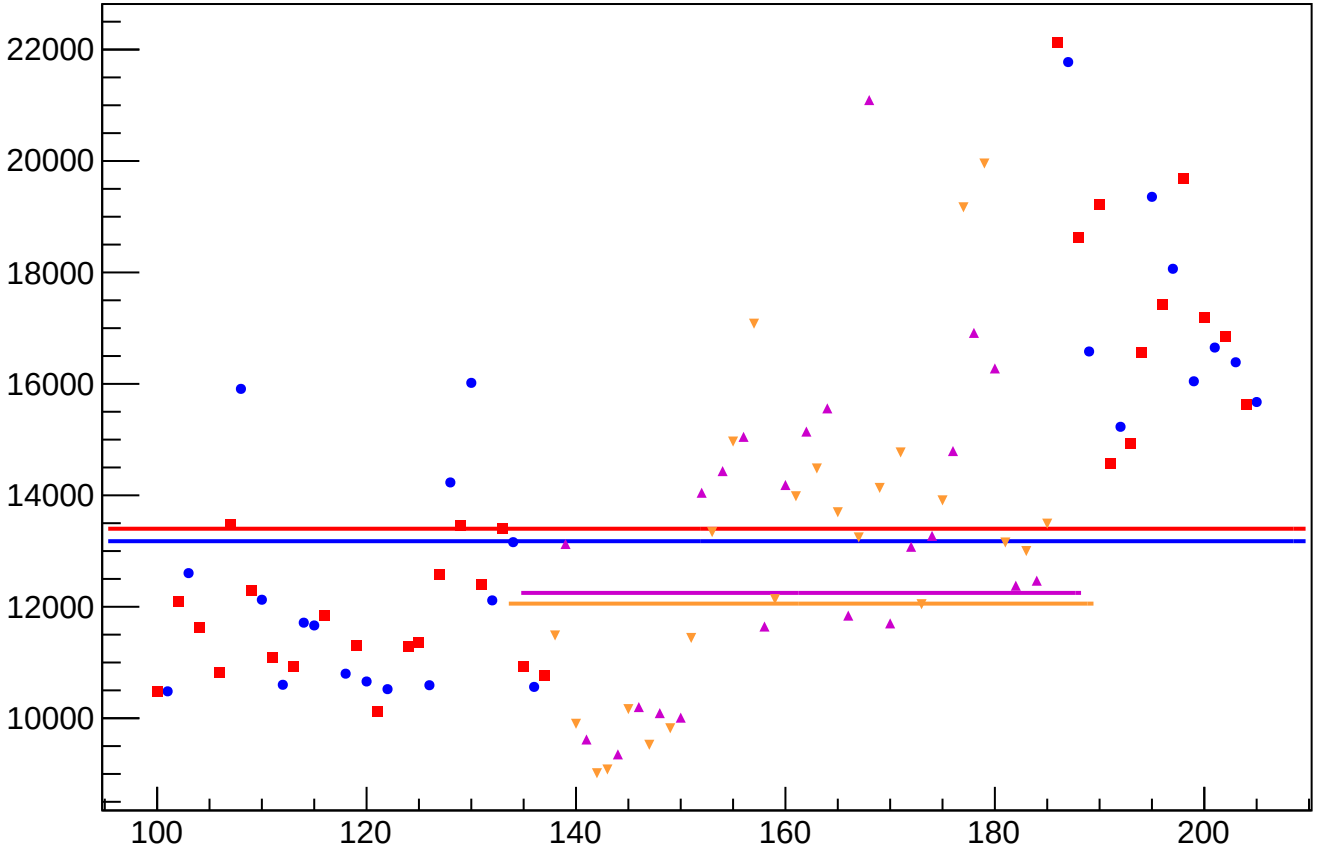
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

\+ sign -2.002+/-2.216 χ^2/NDF: 63.9/49

All: -0.167+/-1.577 χ^2/NDF: 108.4/102

\- sign 1.716+/-2.244 χ^2/NDF: 43.1/52

diff_bpm11X_rms vs Slug



Right In: 13176.944+/-2.544 χ^2/NDF: 1206632.1/24

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13400.728+/-2.473 χ^2/NDF: 1316483.1/29

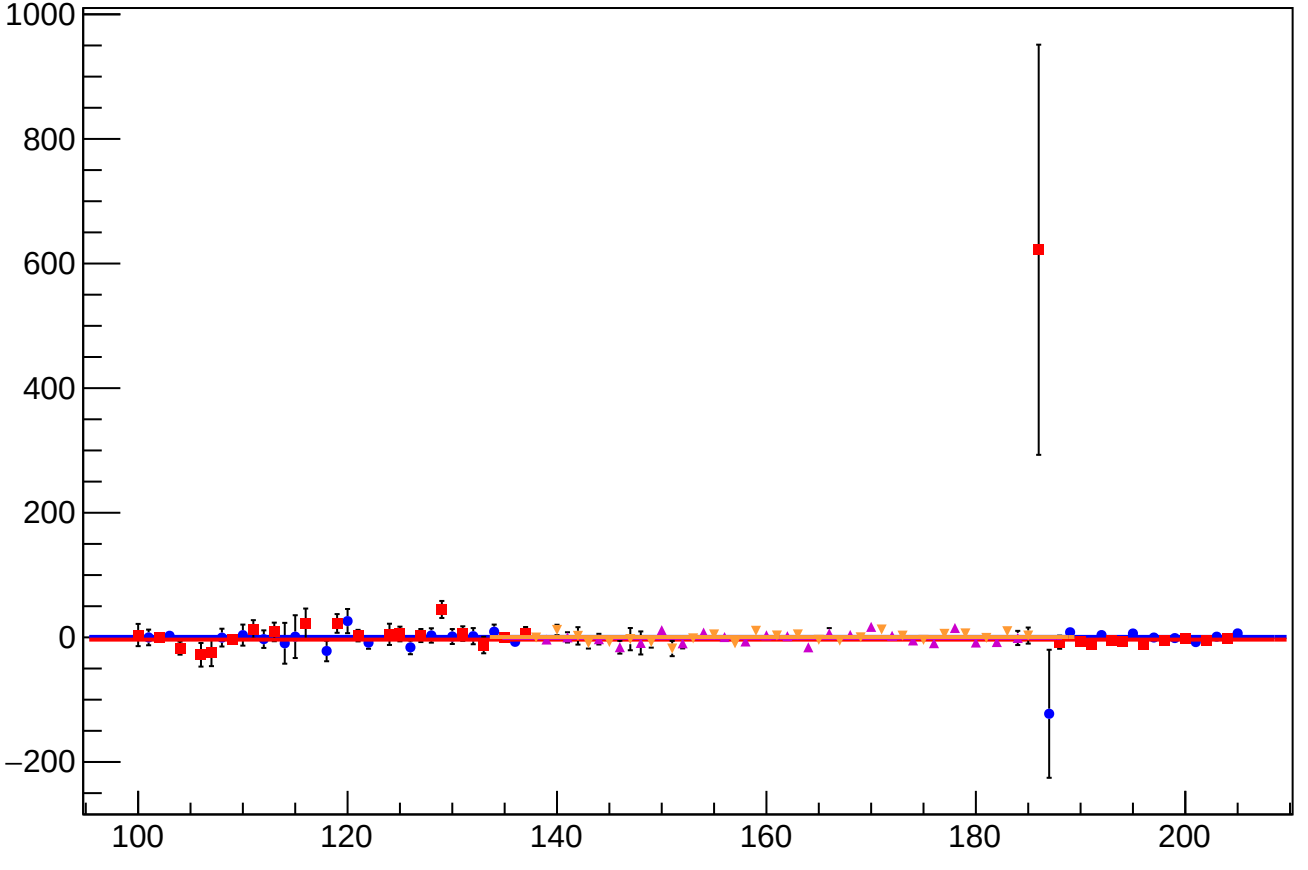
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12481.700+/-1.567 χ^2/NDF: 2888694.3/49

All: 12601.032+/-1.115 χ^2/NDF: 5760523.7/1

- sign 12723.408+/-1.587 χ^2/NDF: 2860083.4/52

diff_bpm11Y_mean vs Slug



Right In: 0.764+/-1.409 χ^2/NDF: 19.7/24

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

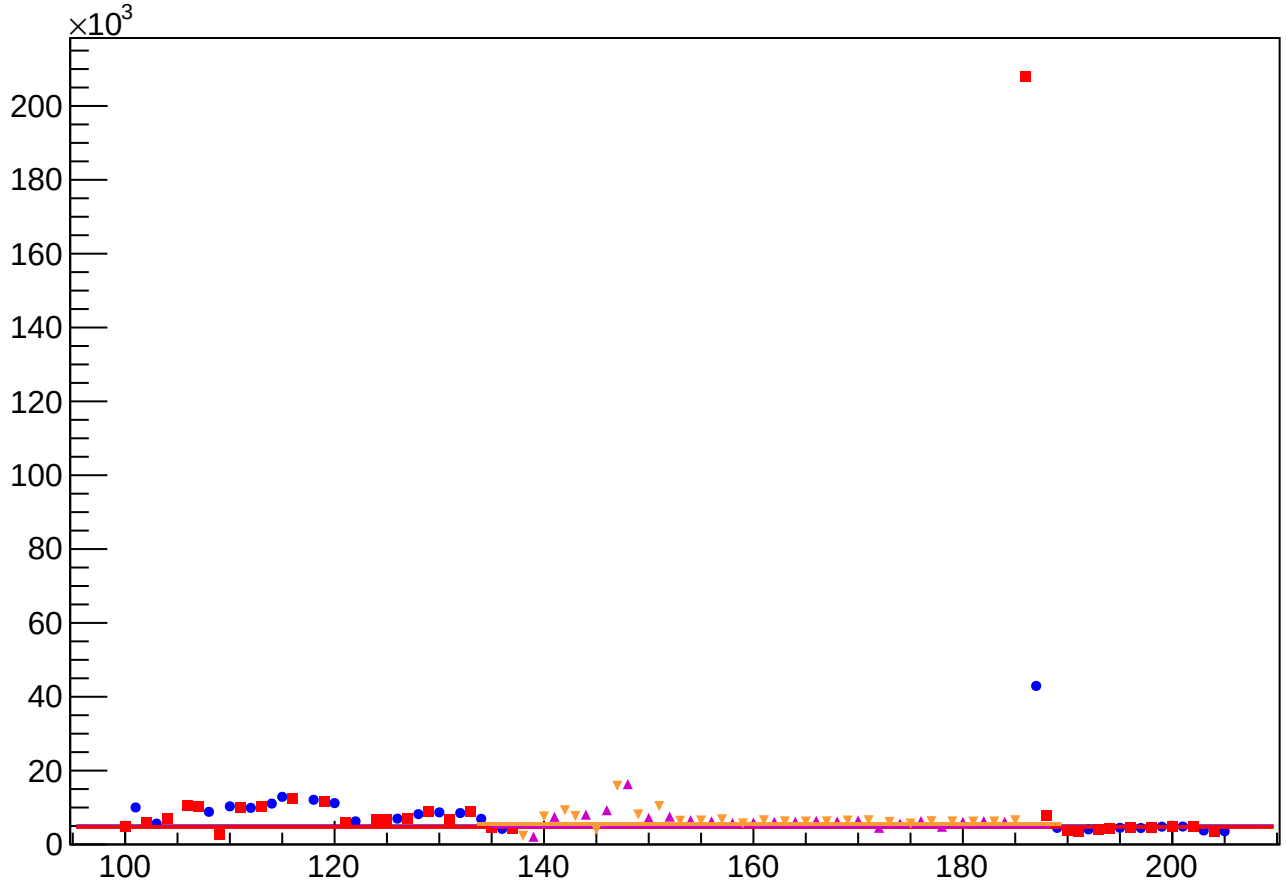
Right Out: -3.600+/-1.342 χ^2/NDF: 36.7/29

Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.641+/-0.982 χ^2/NDF: 41.2/49

All: -0.866+/-0.676 χ^2/NDF: 116.6/102

- sign -2.225+/-0.932 χ^2/NDF: 70.9/52



Right In: 4903.918+/-0.996 χ^2/NDF: 3251321.7/24

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

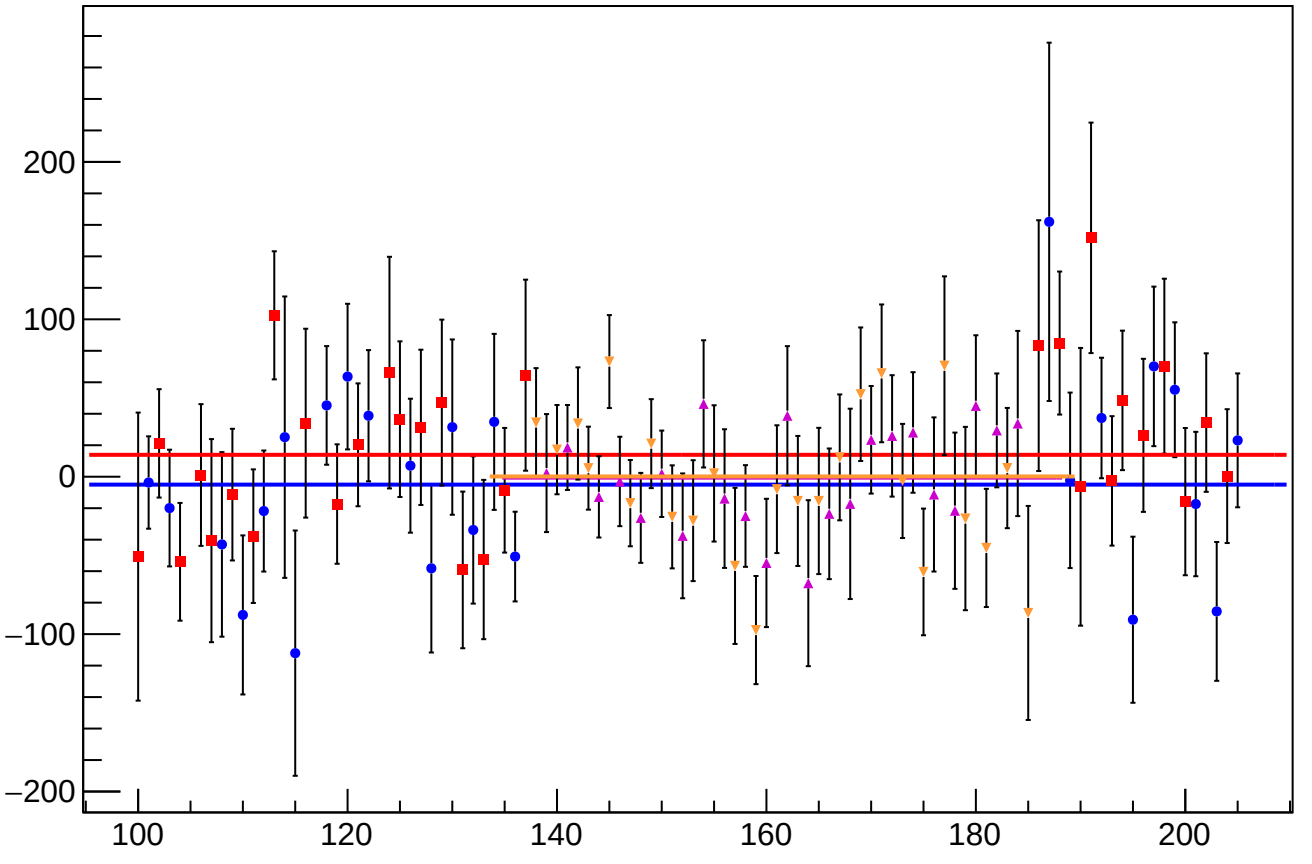
Right Out: 4760.001+/-0.949 χ^2/NDF: 3950631.8/29

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5224.953+/-0.694 χ^2/NDF: 7828921.1/49

All: 5029.968+/-0.478 χ^2/NDF: 17884685.1/1

- sign 4854.318+/-0.659 χ^2/NDF: 9905789.7/52



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

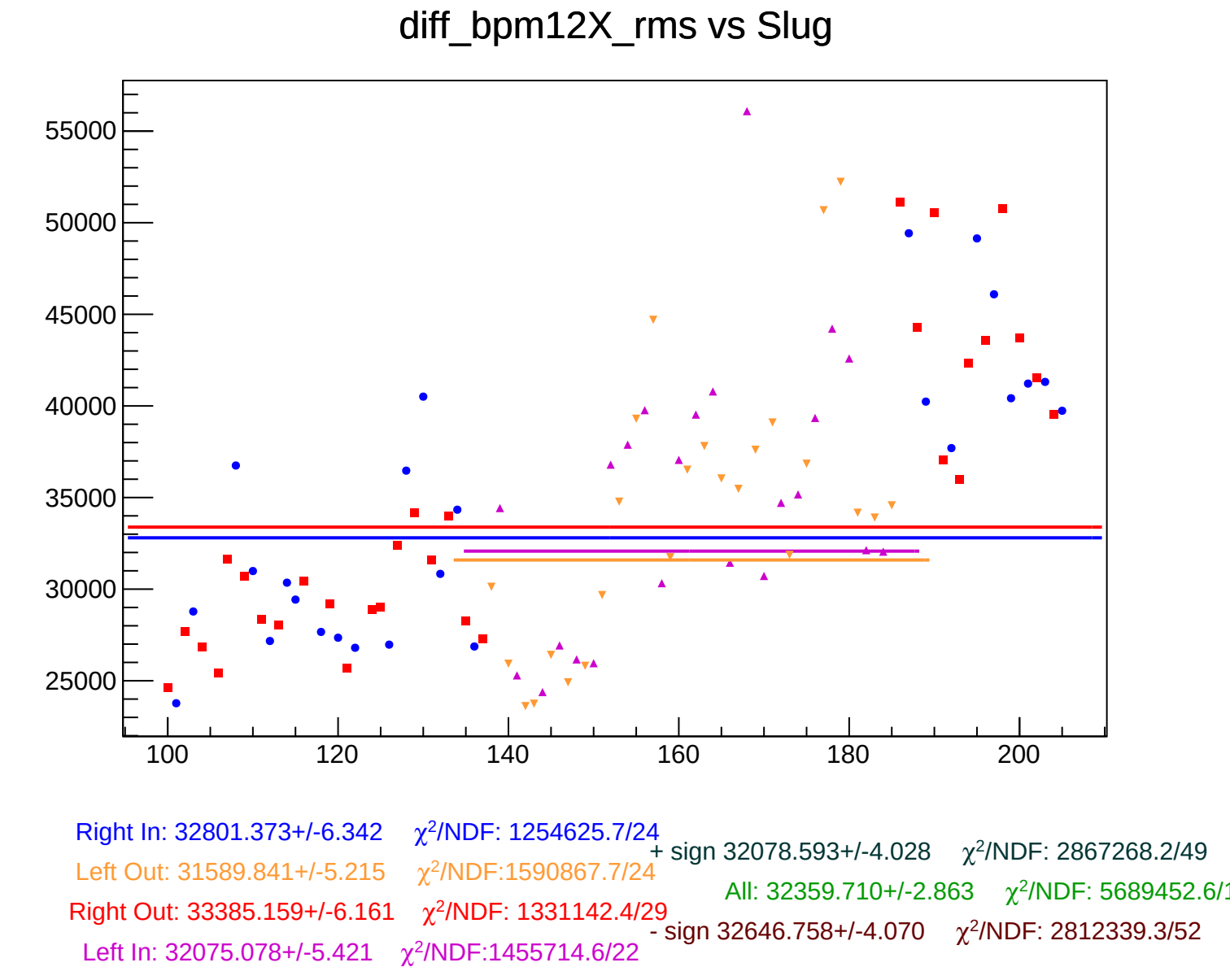
Right Out: 13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

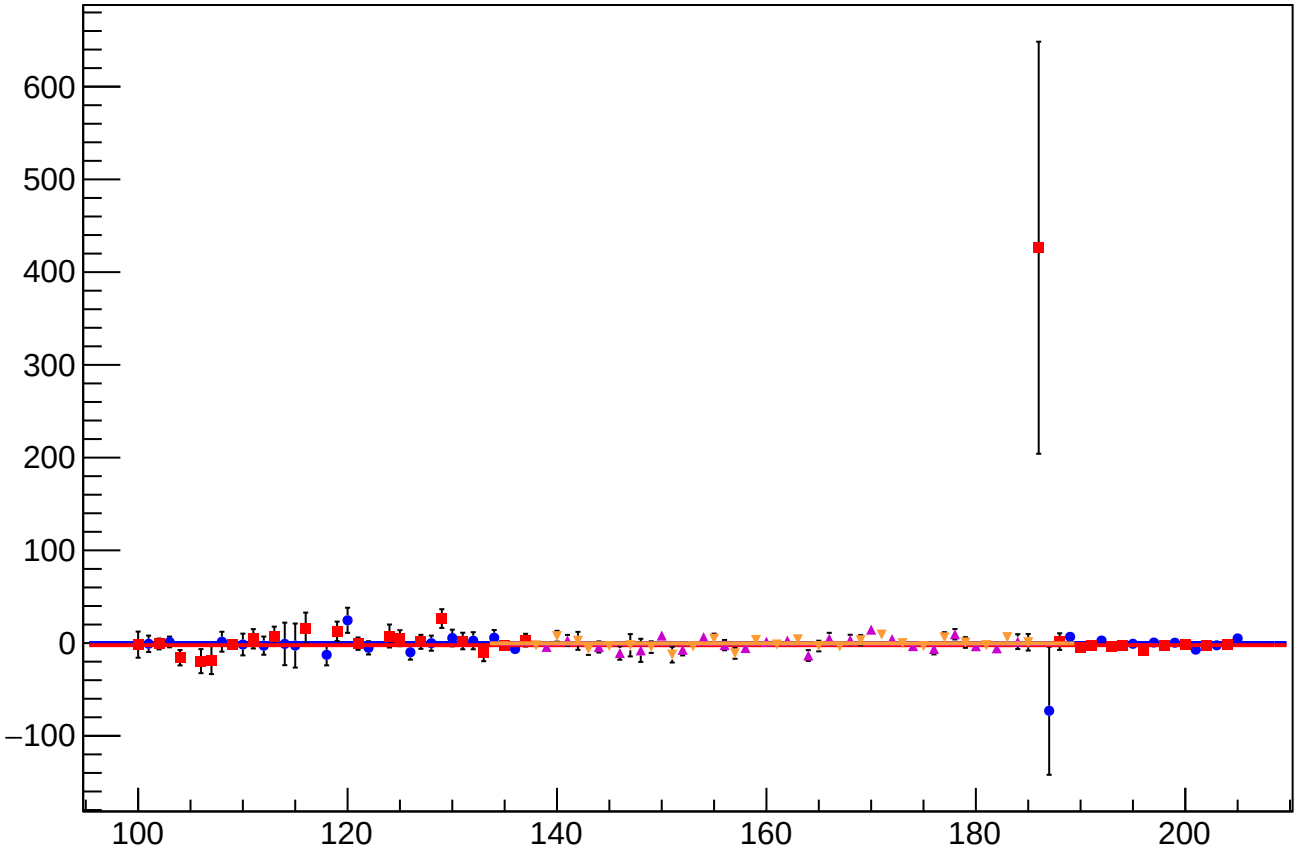
+ sign -1.924+/-5.696 χ^2/NDF: 60.9/49

All: 1.868+/-4.049 χ^2/NDF: 103.7/102

- sign 5.739+/-5.756 χ^2/NDF: 41.9/52


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32801.373+/-6.342 χ²/NDF: 1254625.7/24
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33385.159+/-6.161 χ²/NDF: 1331142.4/29
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32078.593+/-4.028 χ²/NDF: 2867268.2/49
All: 32359.710+/-2.863 χ²/NDF: 5689452.6/1
- sign 32646.758+/-4.070 χ²/NDF: 2812339.3/52

diff_bpm12Y_mean vs Slug



Right In: 0.097+/-0.909 χ^2/NDF: 26.6/24

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.241+/-0.927 χ^2/NDF: 29.1/29

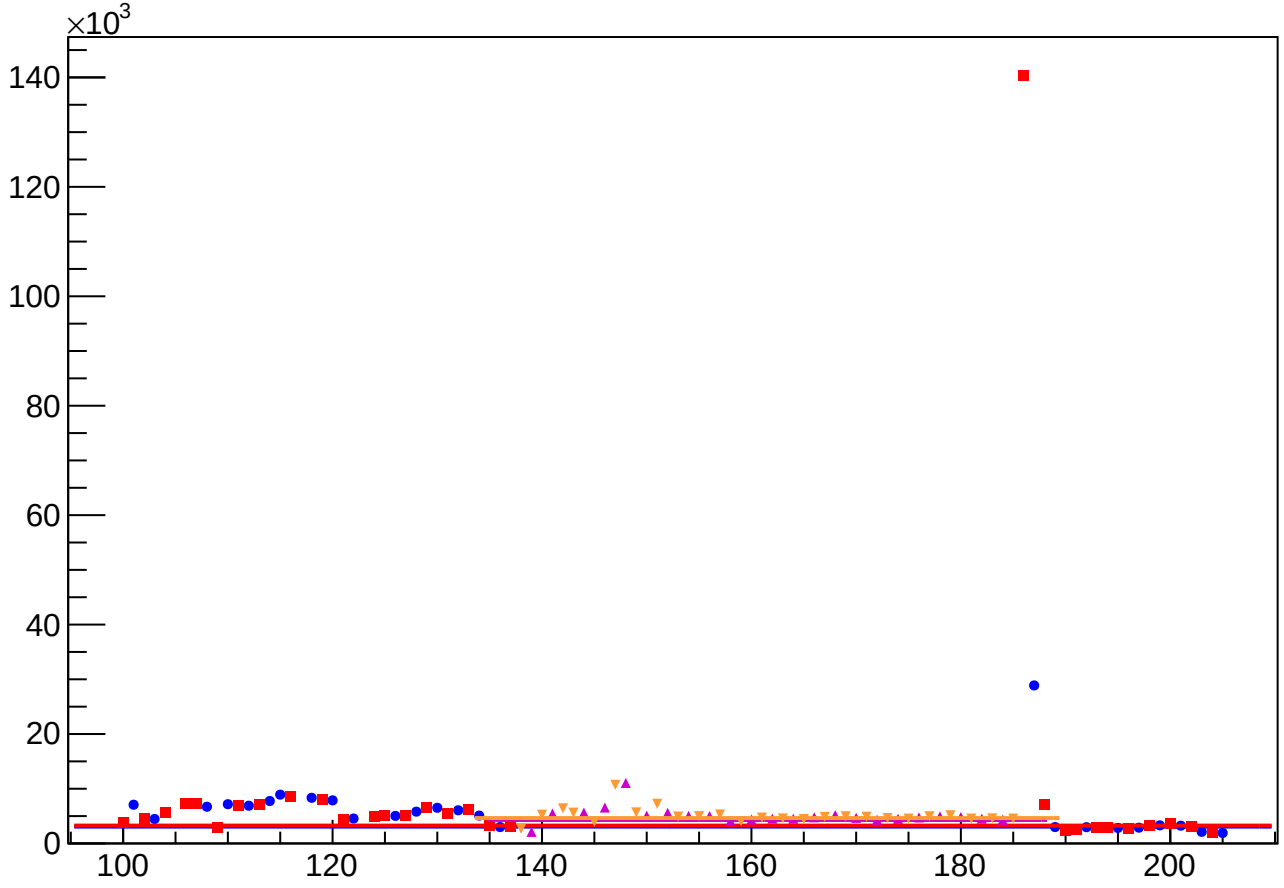
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

\+ sign -0.035+/-0.699 χ^2/NDF: 46.6/49

All: -0.825+/-0.494 χ^2/NDF: 113.1/102

\- sign -1.612+/-0.698 χ^2/NDF: 63.9/52

diff_bpm12Y_rms vs Slug



Right In: 3080.706+/-0.643 χ^2/NDF: 4530129.8/24

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3263.545+/-0.655 χ^2/NDF: 4691806.2/29

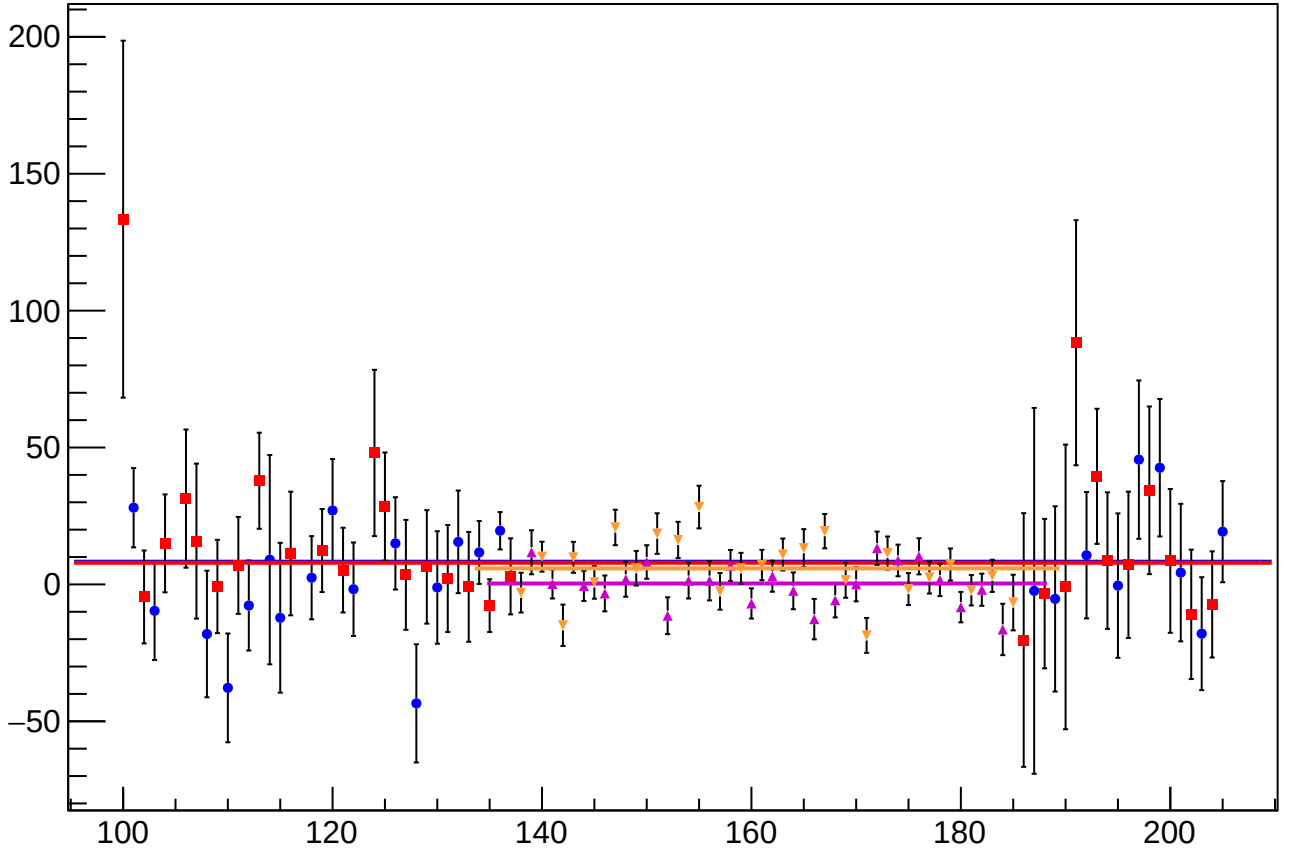
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3716.823+/-0.494 χ^2/NDF: 8688289.1/49

All: 3713.464+/-0.349 χ^2/NDF: 17548573.0/1

- sign 3710.119+/-0.493 χ^2/NDF: 8860191.9/52

diff_bpm16X_mean vs Slug



Right In: 8.293+/-3.480 χ^2/NDF: 27.5/24

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.912+/-3.681 χ^2/NDF: 22.0/29

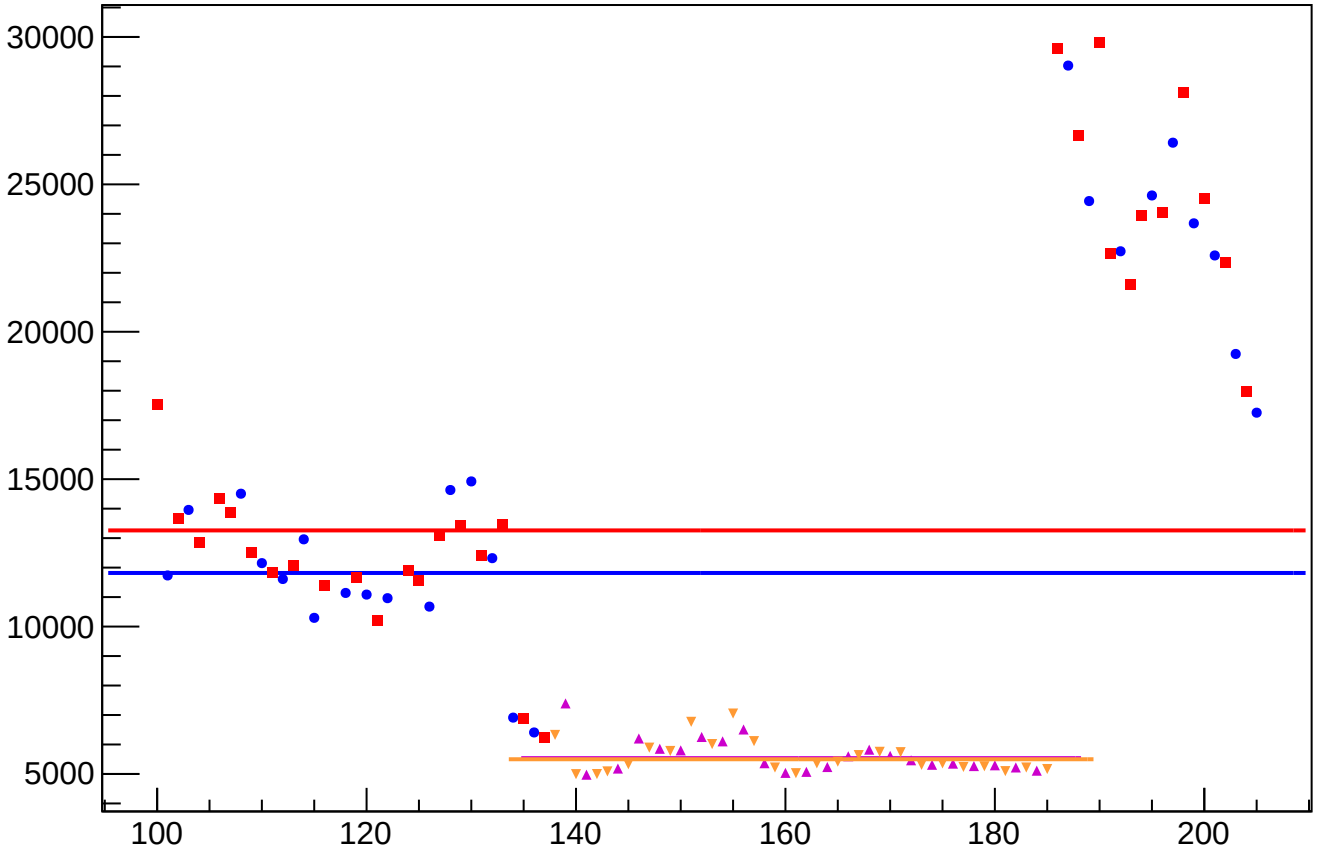
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.131+/-1.183 χ^2/NDF: 88.0/49

All: 3.745+/-0.851 χ^2/NDF: 151.5/102

- sign 1.178+/-1.226 χ^2/NDF: 55.1/52

diff_bpm16X_rms vs Slug



Right In: 11818.370+/-2.460 χ^2/NDF: 4874204.5/24

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13261.693+/-2.603 χ^2/NDF: 4759068.3/29

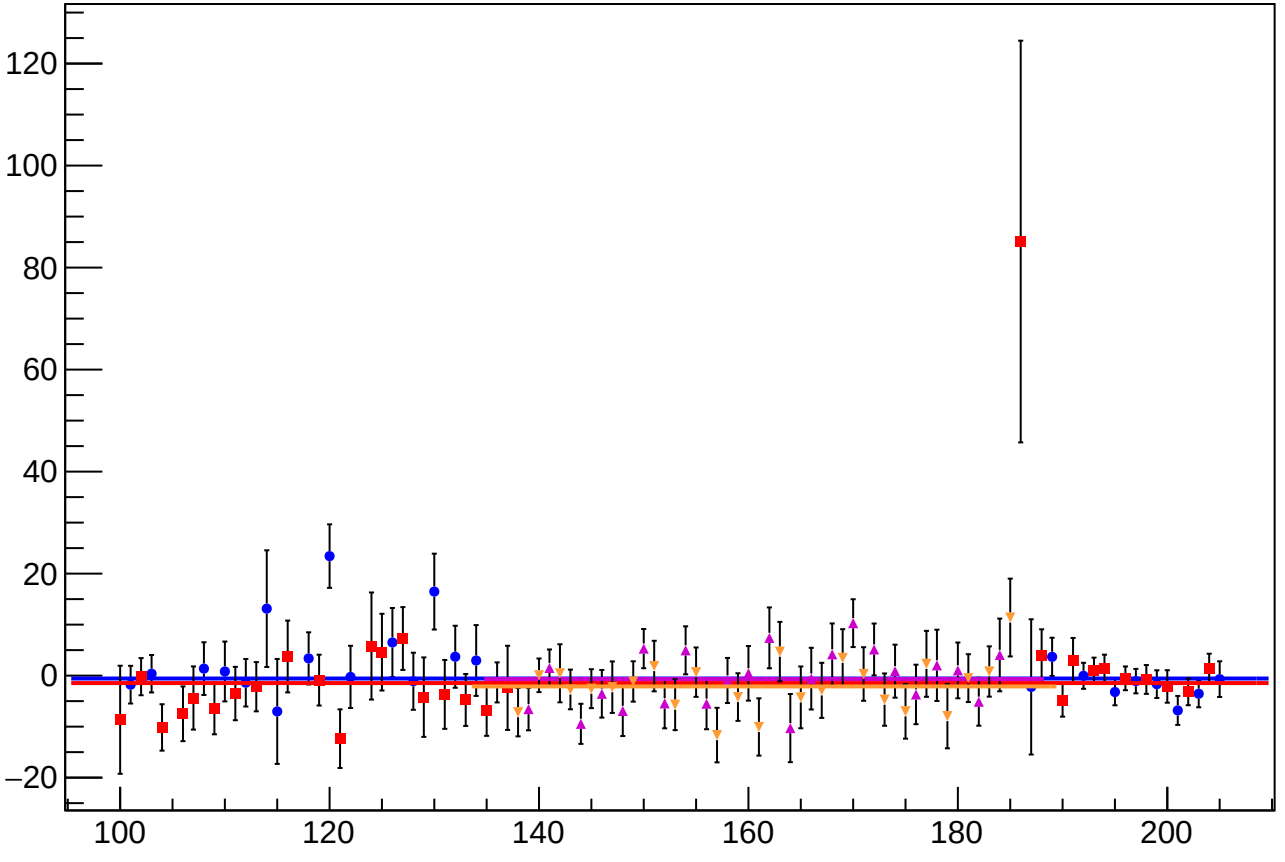
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6229.111+/-0.836 χ^2/NDF: 11006376.8/49

All: 6309.164+/-0.602 χ^2/NDF: 23917214.3/1

- sign 6395.270+/-0.867 χ^2/NDF: 12891814.1/52

diff_bpm16Y_mean vs Slug



Right In: -0.566+/-0.793 χ^2/NDF: 33.5/24

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.459+/-0.759 χ^2/NDF: 27.7/29

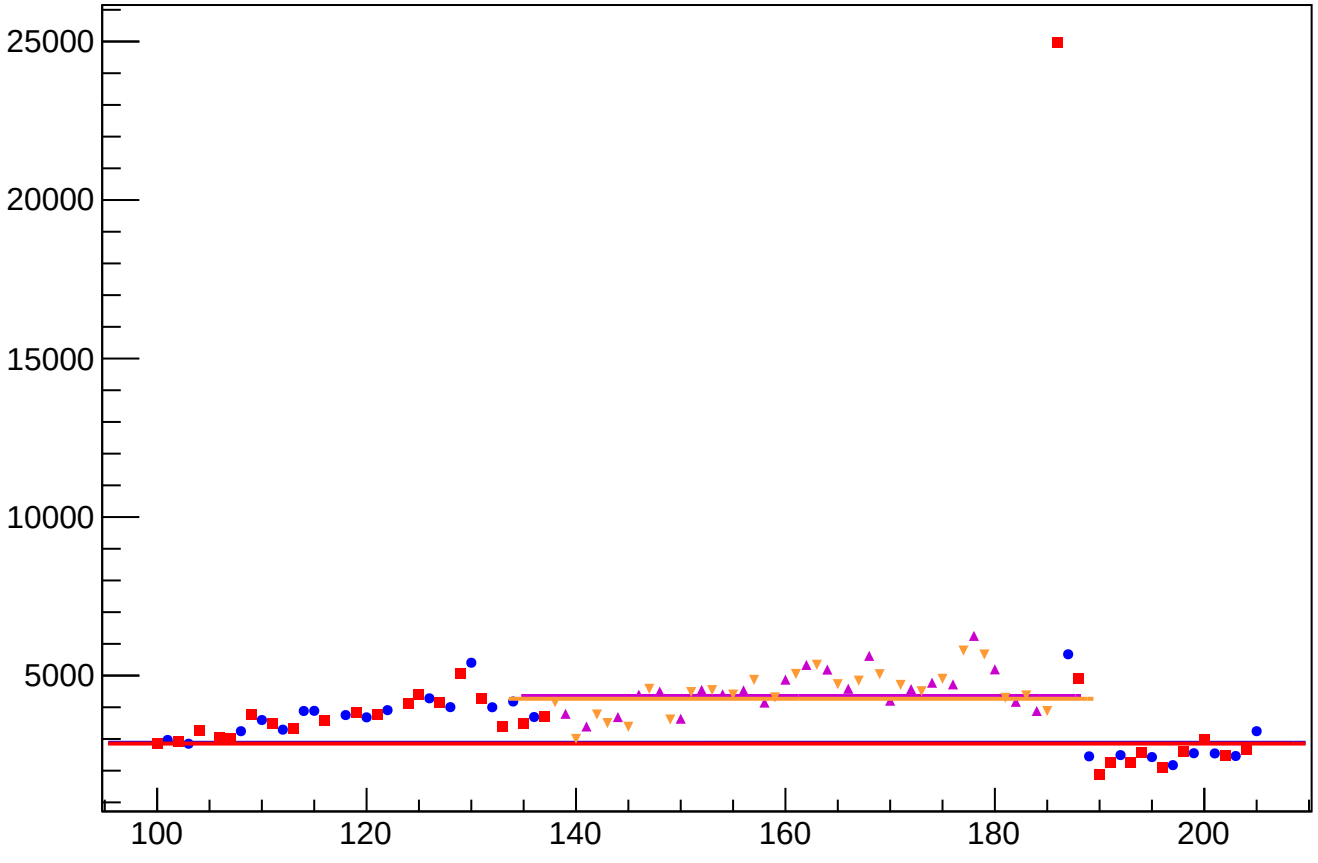
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.174+/-0.618 χ^2/NDF: 52.5/49

All: -1.178+/-0.435 χ^2/NDF: 108.9/102

- sign -1.182+/-0.611 χ^2/NDF: 56.4/52

diff_bpm16Y_rms vs Slug



Right In: 2879.631+/-0.561 χ^2/NDF: 1384782.5/24

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2855.028+/-0.537 χ^2/NDF: 2415020.2/29

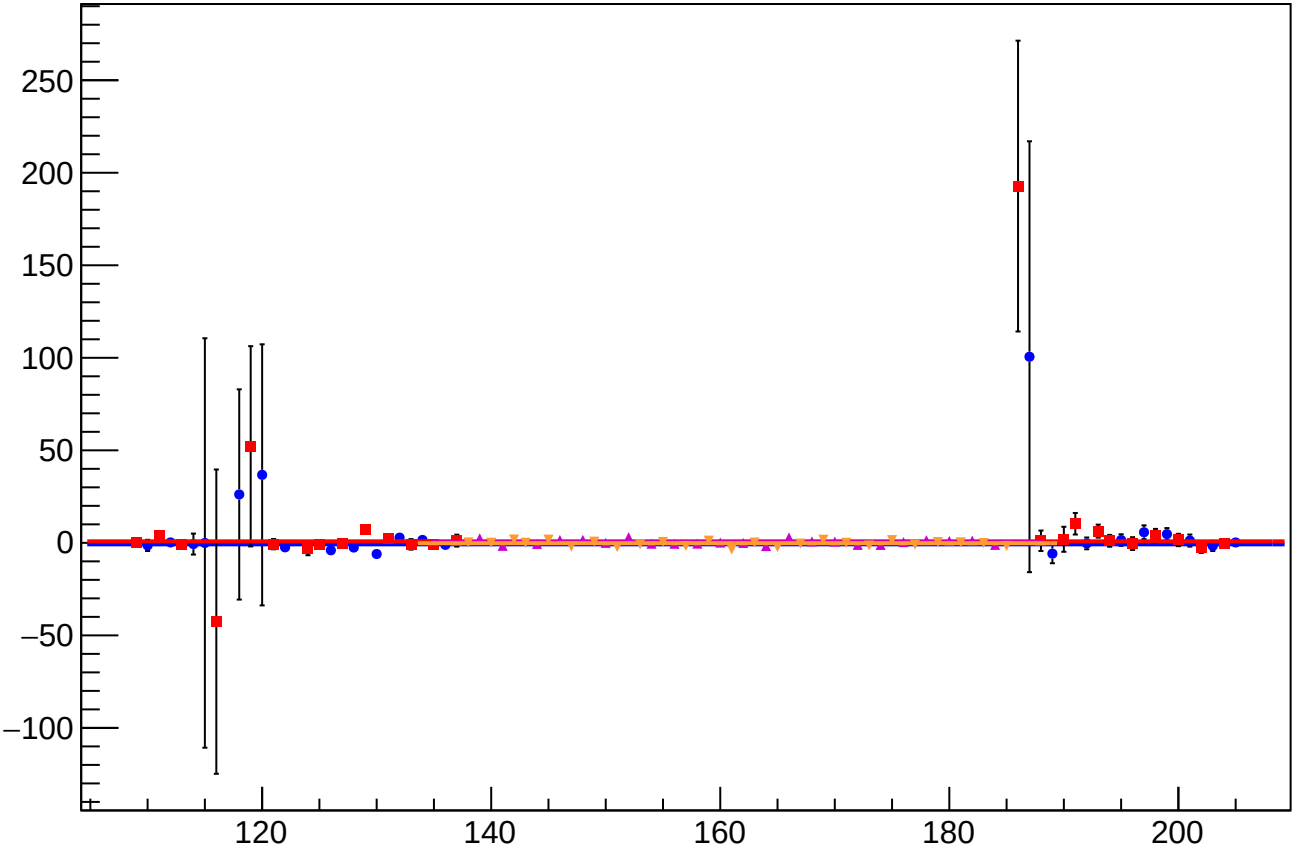
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3424.296+/-0.437 χ^2/NDF: 4821295.5/49

All: 3403.385+/-0.307 χ^2/NDF: 10731931.1/1

- sign 3382.949+/-0.432 χ^2/NDF: 5906114.8/52

diff_bpm1p02bX_mean vs Slug



Right In: -0.805+/-0.611 χ^2/NDF: 20.9/21

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.821+/-0.608 χ^2/NDF: 26.1/24

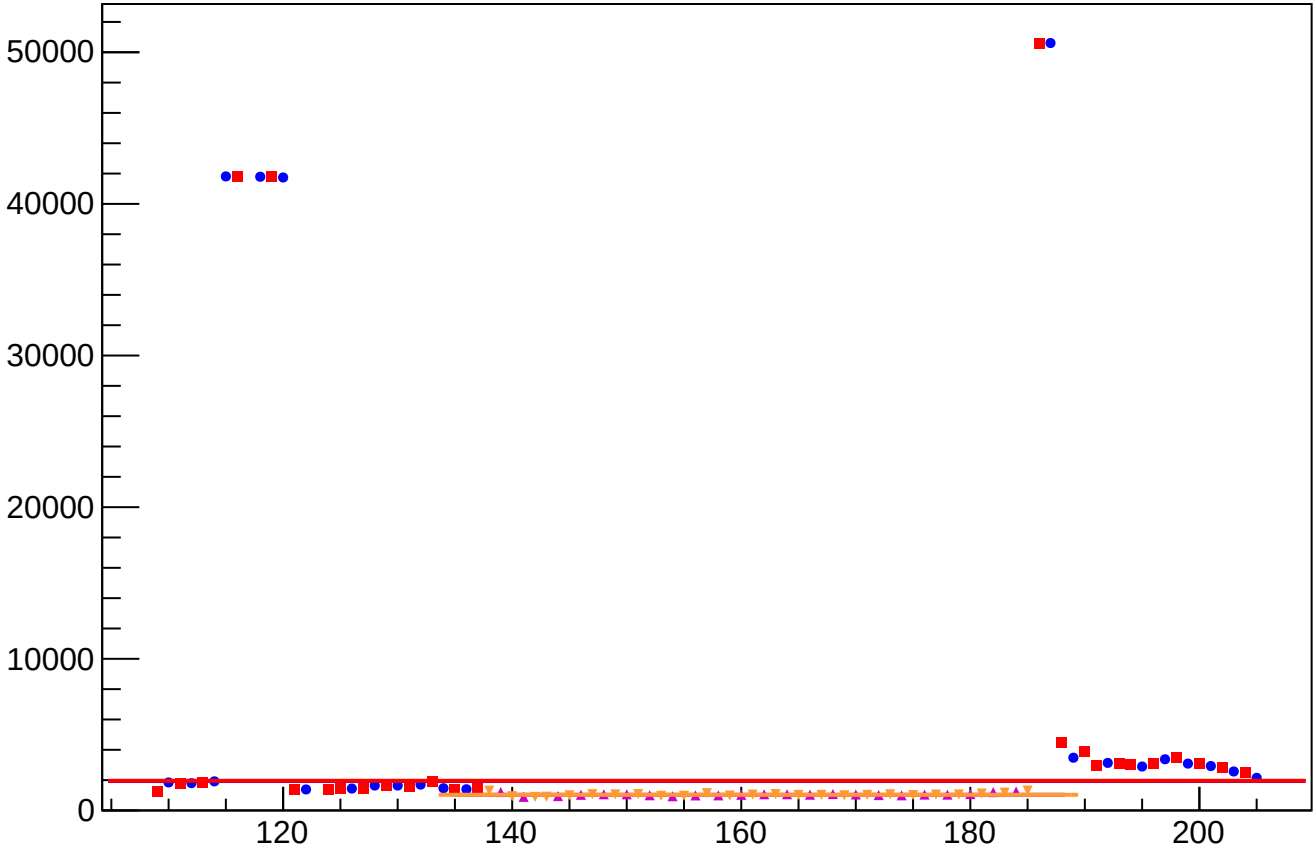
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.279+/-0.220 χ^2/NDF: 55.7/46

All: 0.053+/-0.157 χ^2/NDF: 116.5/94

- sign 0.400+/-0.225 χ^2/NDF: 56.1/47

diff_bpm1p02bX_rms vs Slug



Right In: 1940.978+/-0.432 χ^2/NDF: 4386487.4/21

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1955.530+/-0.430 χ^2/NDF: 5346937.7/24

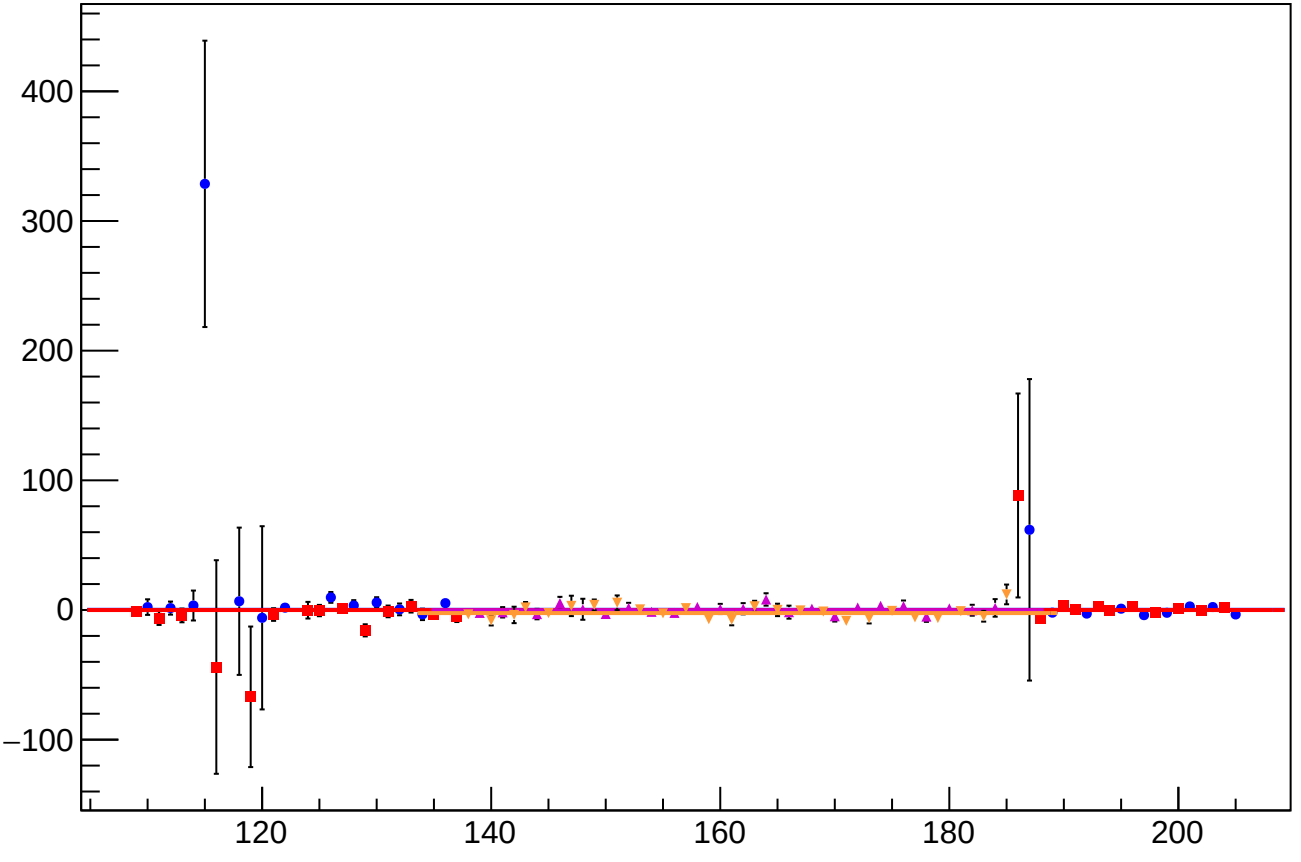
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1149.050+/-0.155 χ^2/NDF: 8486881.4/46

All: 1153.860+/-0.111 χ^2/NDF: 17994428.2/9

- sign 1158.902+/-0.159 χ^2/NDF: 9505584.2/47

diff_bpm1p02bY_mean vs Slug



Right In: 0.129+/-0.614 χ^2/NDF: 40.2/21

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.042+/-0.630 χ^2/NDF: 29.9/24

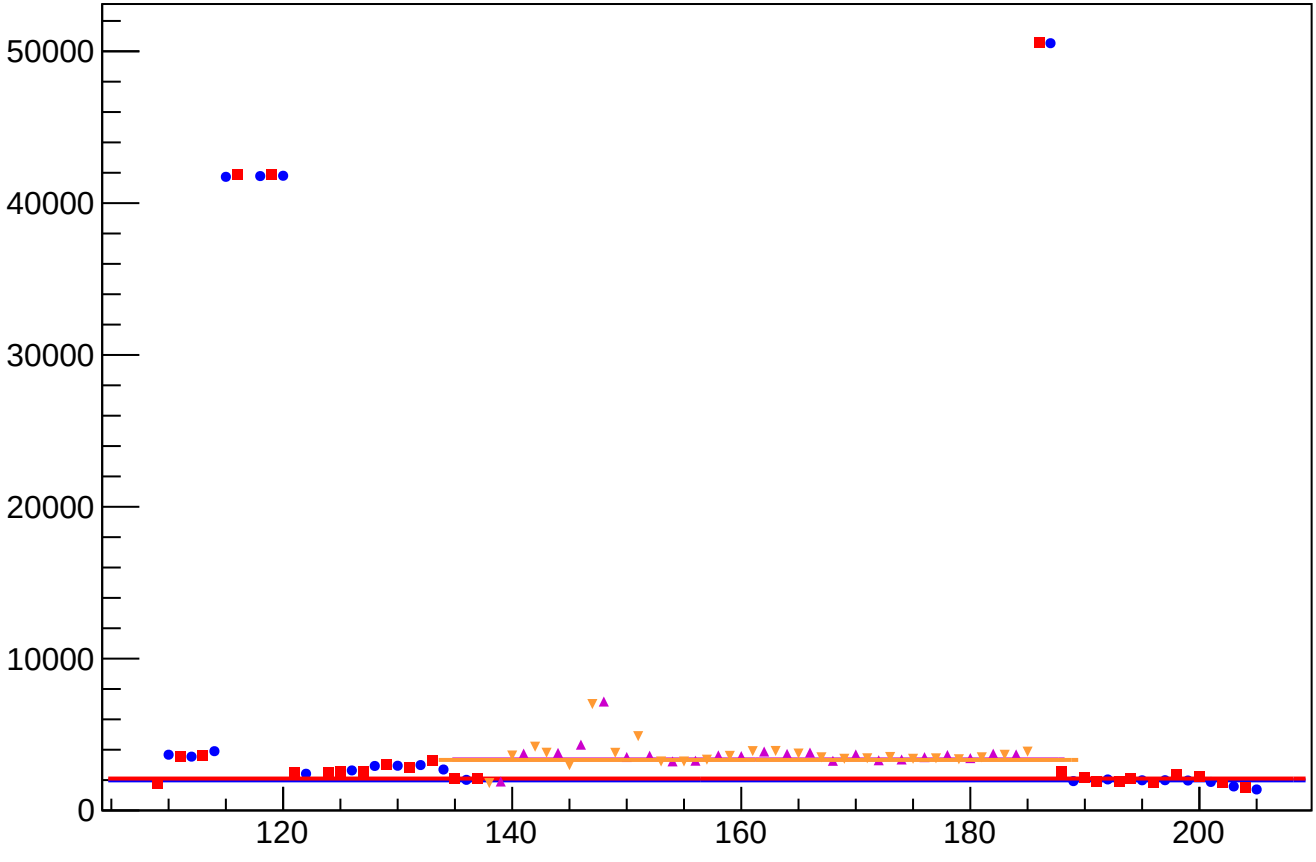
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.827+/-0.483 χ^2/NDF: 70.8/46

All: -0.470+/-0.346 χ^2/NDF: 114.6/94

- sign -0.091+/-0.497 χ^2/NDF: 42.6/47

diff_bpm1p02bY_rms vs Slug



Right In: 1981.947+/-0.434 χ^2/NDF: 3523256.7/21

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2101.457+/-0.446 χ^2/NDF: 3389607.2/24

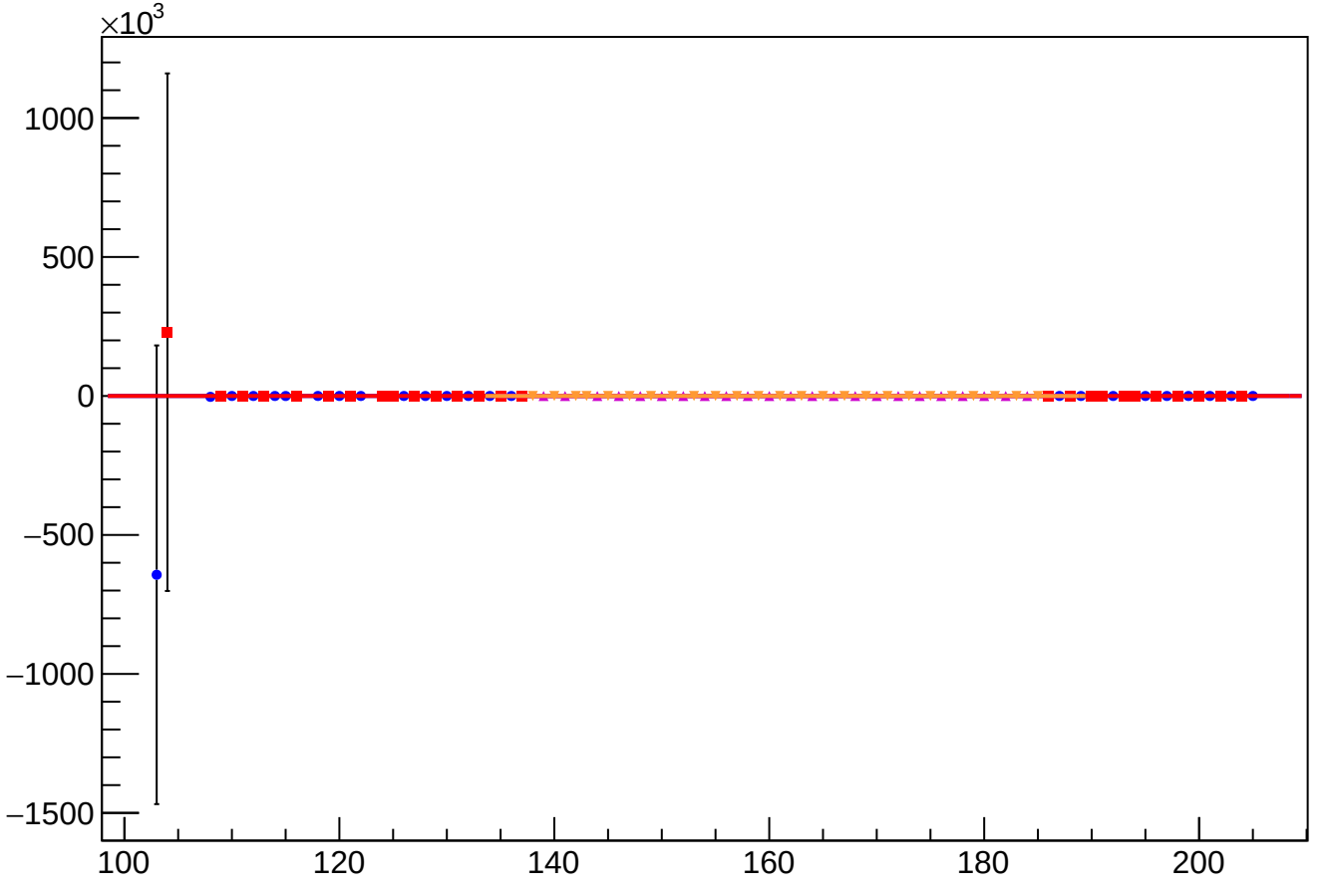
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2494.812+/-0.341 χ^2/NDF: 9107685.9/46

All: 2534.513+/-0.245 χ^2/NDF: 17187698.4/9

- sign 2576.654+/-0.352 χ^2/NDF: 8052124.1/47

diff_bpm1p03aX_mean vs Slug



Right In: -1.018+/-0.649 χ^2/NDF: 26.5/23

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -1.634+/-0.651 χ^2/NDF: 24.5/25

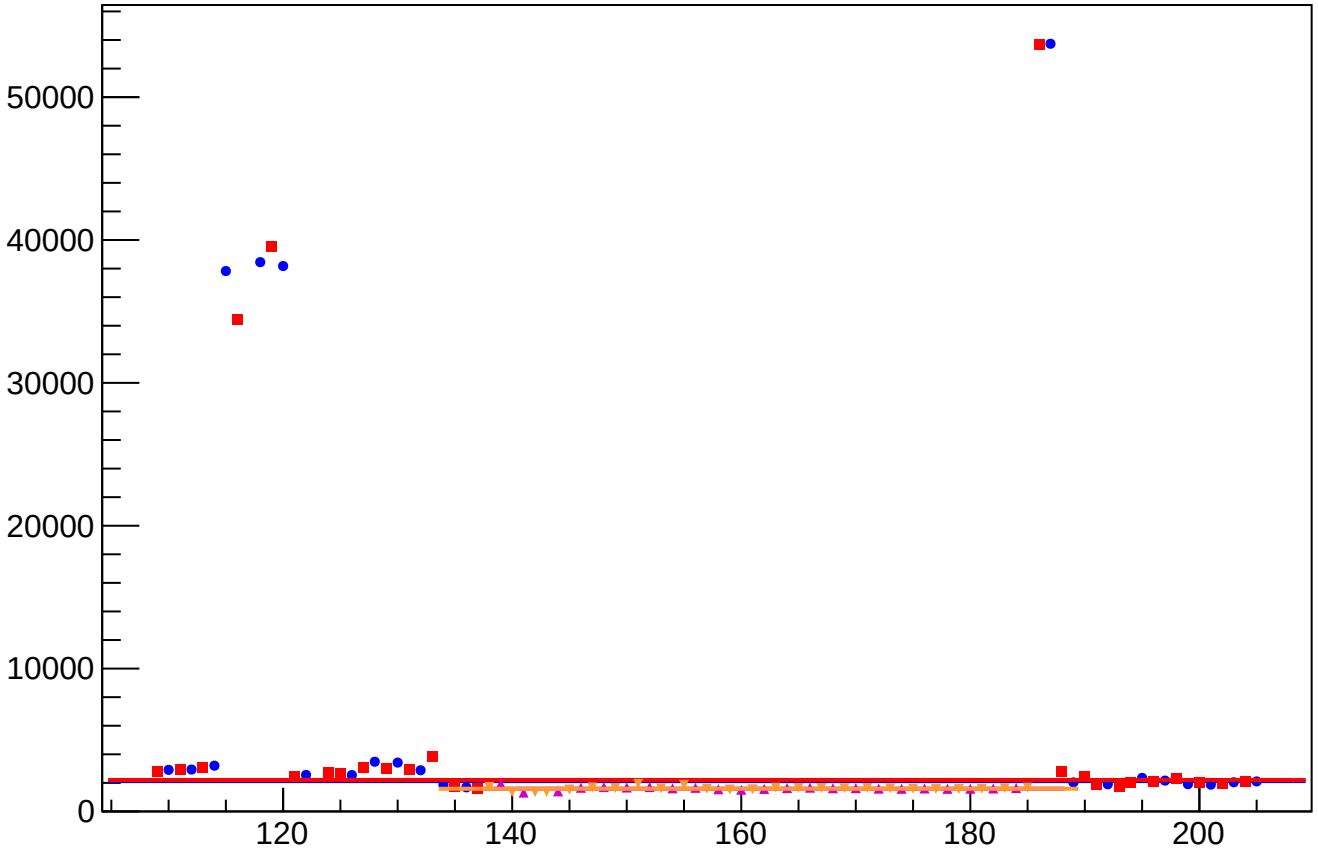
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

\+ sign -1.441+/-0.317 χ^2/NDF: 77.4/48

All: -0.929+/-0.227 χ^2/NDF: 139.3/97

\- sign -0.393+/-0.325 χ^2/NDF: 56.6/48

diff_bpm1p03aX_rms vs Slug



Right In: 2124.370+/-0.459 χ^2/NDF: 2968403.0/21

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2204.720+/-0.460 χ^2/NDF: 3216896.4/24

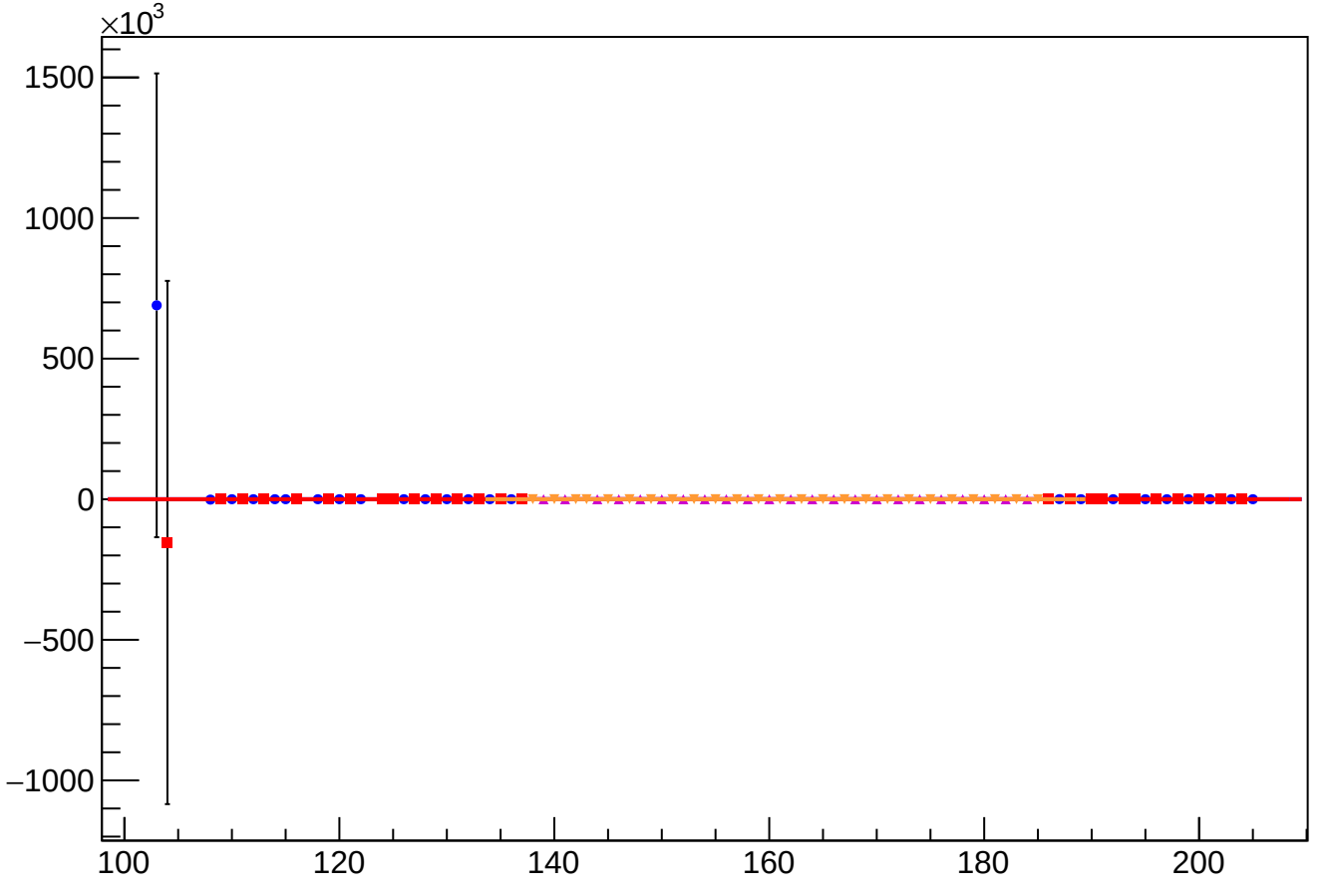
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1716.848+/-0.224 χ^2/NDF: 4235440.5/46

All: 1731.764+/-0.160 χ^2/NDF: 8971143.9/94

- sign 1747.426+/-0.230 χ^2/NDF: 4726612.5/47

diff_bpm1p03aY_mean vs Slug



Right In: 0.312+/-0.516 χ^2/NDF: 20.6/23

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.149+/-0.523 χ^2/NDF: 26.5/25

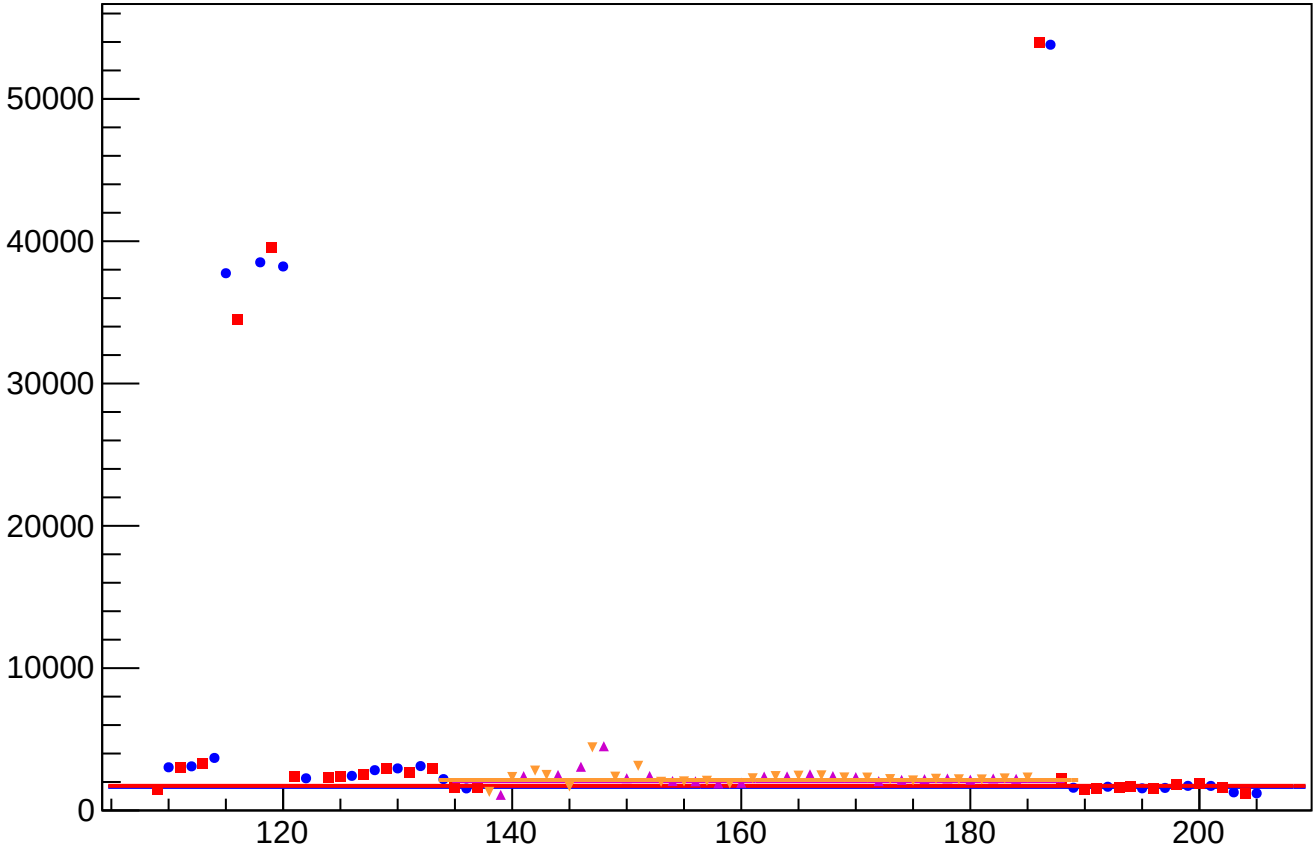
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.454+/-0.360 χ^2/NDF: 49.3/48

All: -0.160+/-0.255 χ^2/NDF: 94.0/97

- sign 0.136+/-0.362 χ^2/NDF: 43.4/48

diff_bpm1p03aY_rms vs Slug



Right In: 1654.793+/-0.365 χ^2/NDF: 3859634.2/21

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1728.729+/-0.370 χ^2/NDF: 3799026.0/24

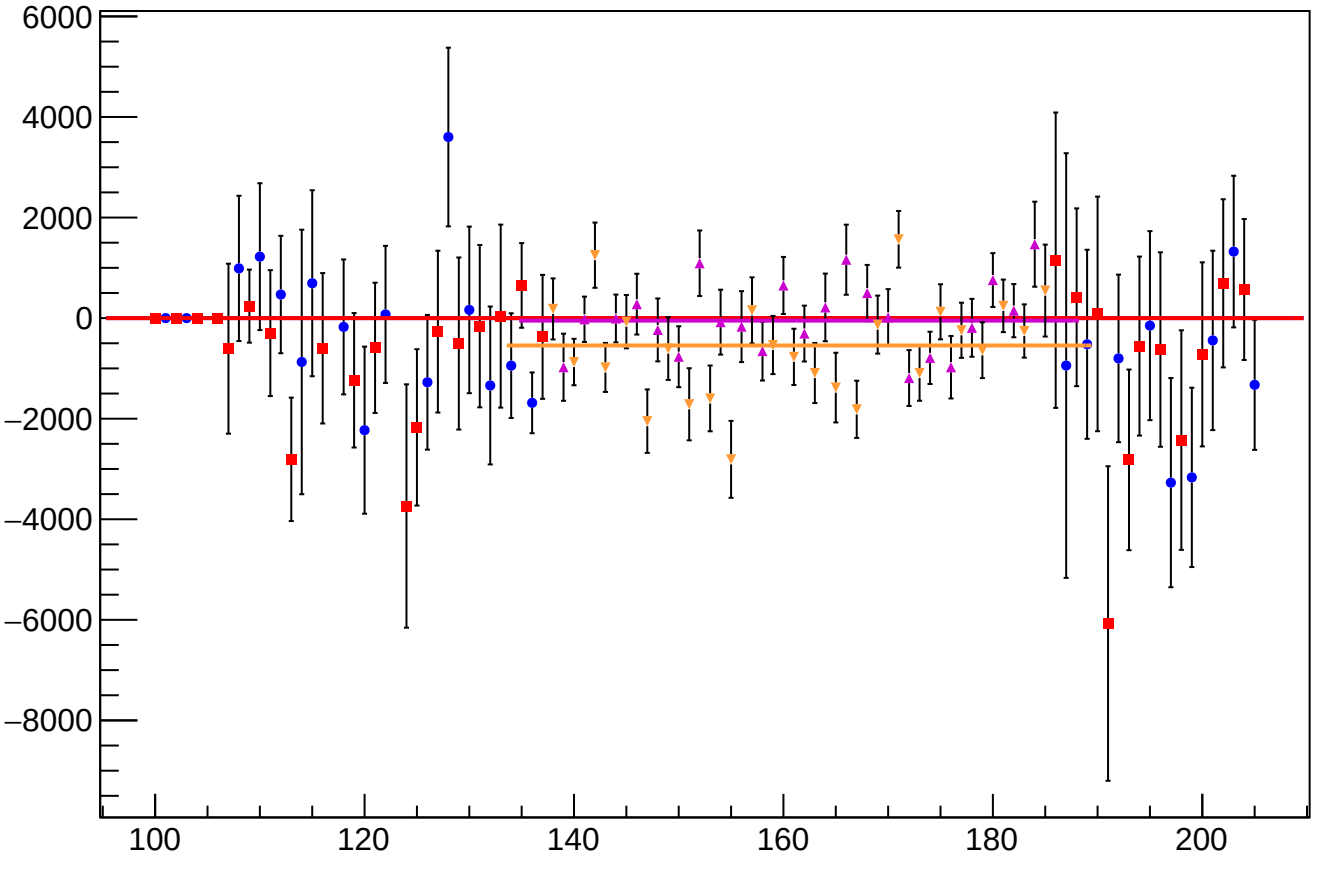
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1903.649+/-0.255 χ^2/NDF: 6243783.7/46

All: 1902.074+/-0.181 χ^2/NDF: 12750188.4/9

- sign 1900.483+/-0.256 χ^2/NDF: 6506327.8/47

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 25.6/24

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

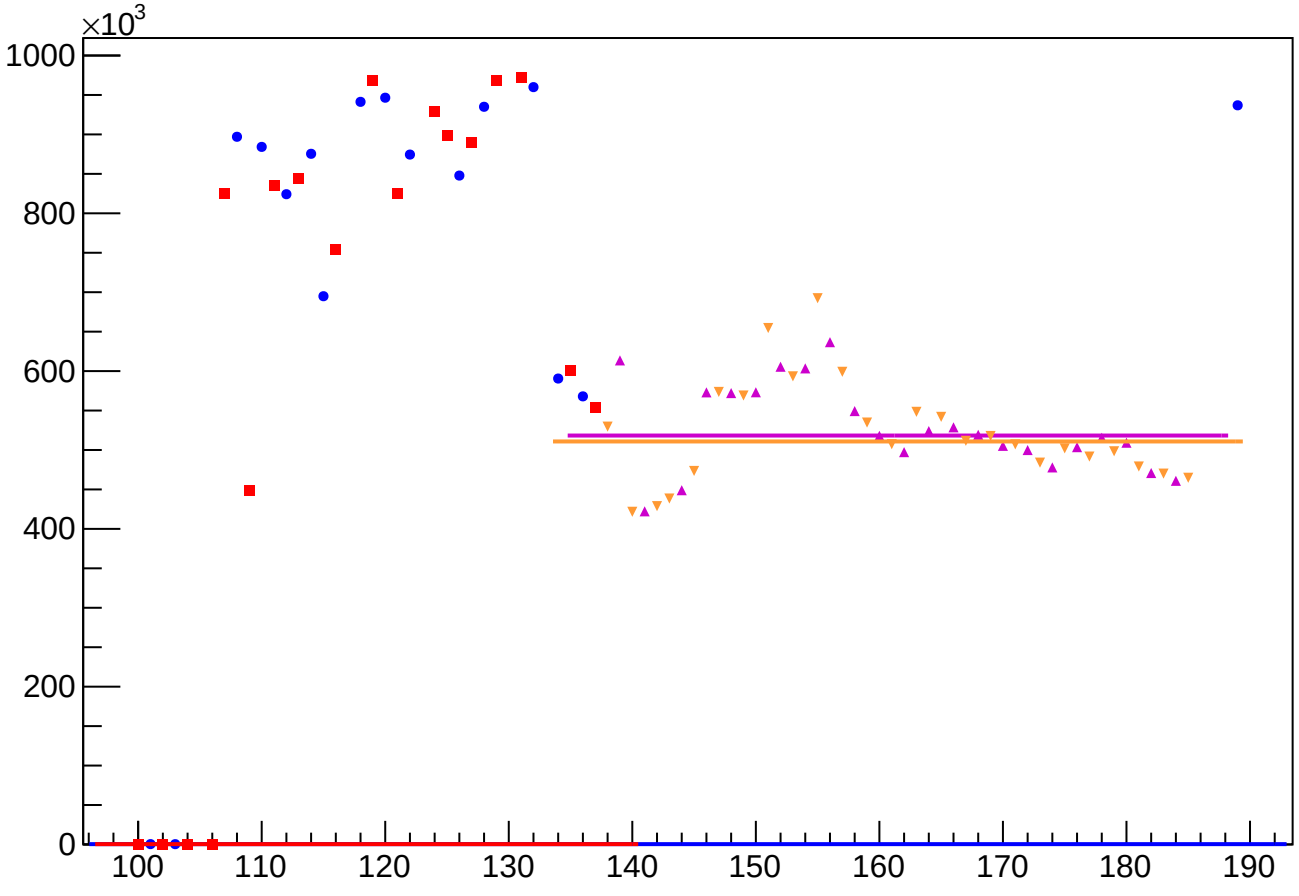
Right Out: 0.096+/-0.328 χ^2/NDF: 23.8/29

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 108.1/49

All: 0.166+/-0.241 χ^2/NDF: 160.1/102

- sign 0.095+/-0.328 χ^2/NDF: 51.9/52



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

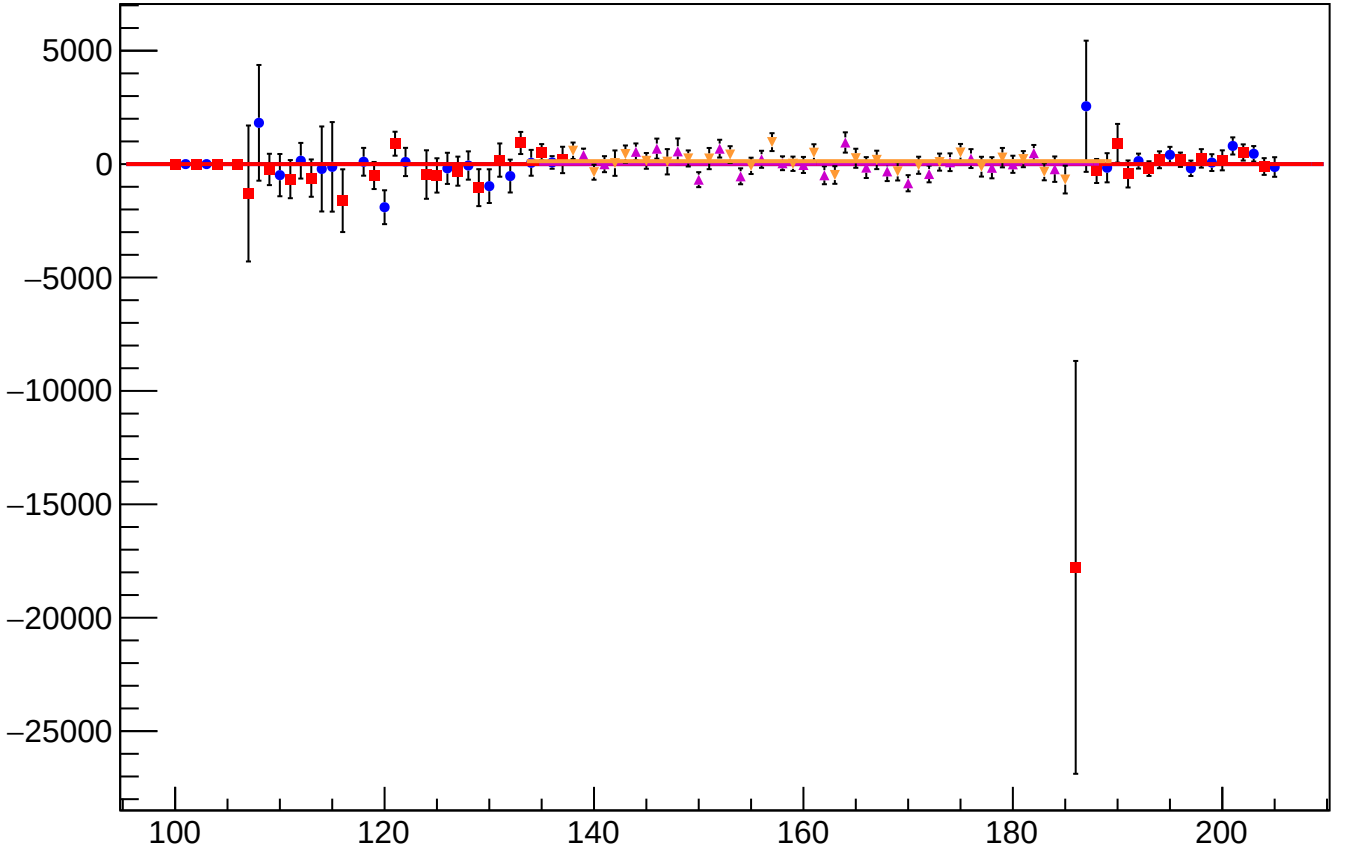
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



Right In: -0.019+/-0.347 χ^2/NDF: 19.5/24

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

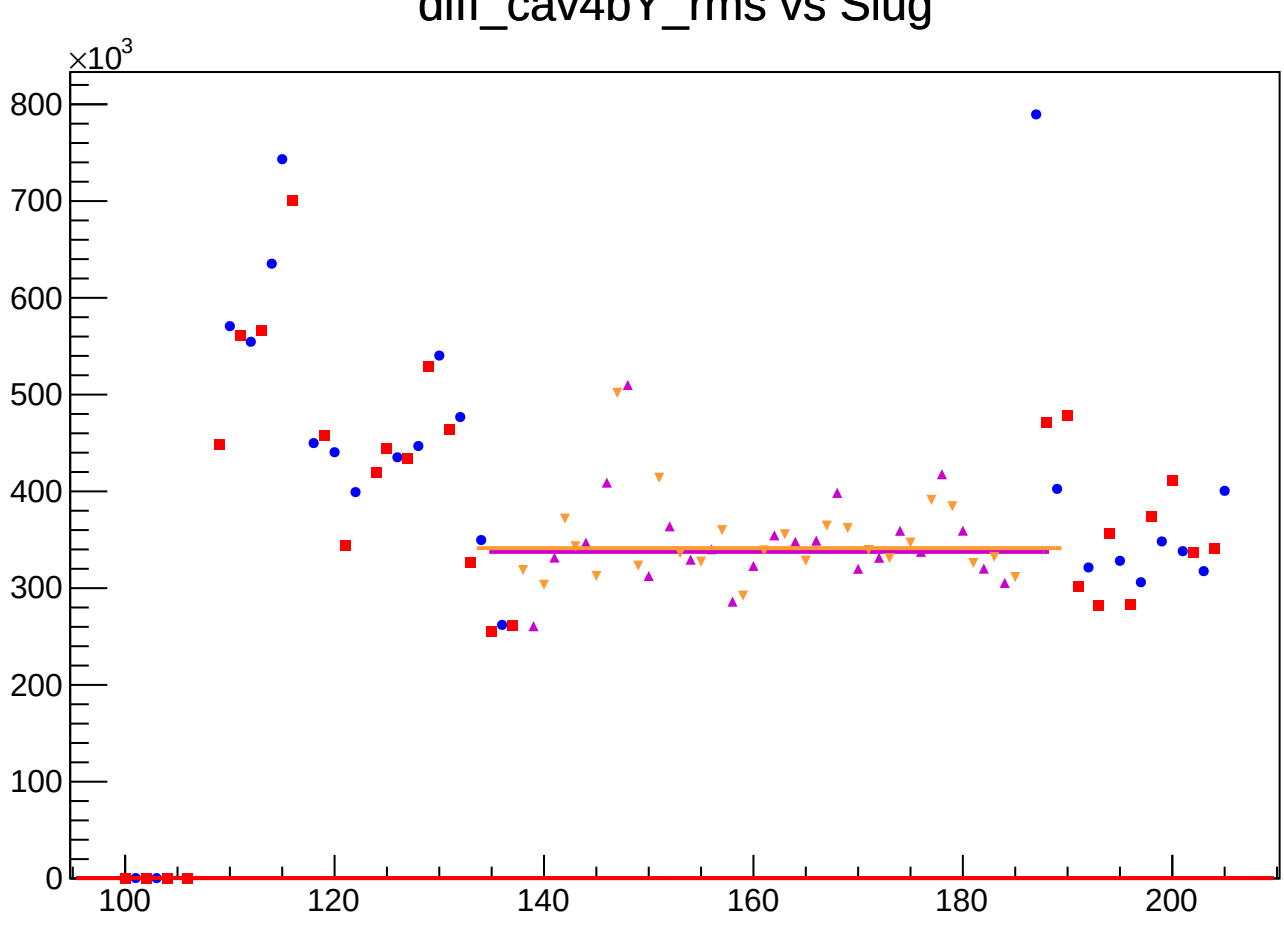
Right Out: 0.599+/-0.324 χ^2/NDF: 24.5/29

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.016+/-0.347 χ^2/NDF: 42.3/49

All: 0.313+/-0.237 χ^2/NDF: 102.2/102

- sign 0.600+/-0.324 χ^2/NDF: 58.3/52



Right In: 392.559+/-0.245 χ^2/NDF: 23962220.9/23

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.158+/-0.229 χ^2/NDF: 25591032.4/27

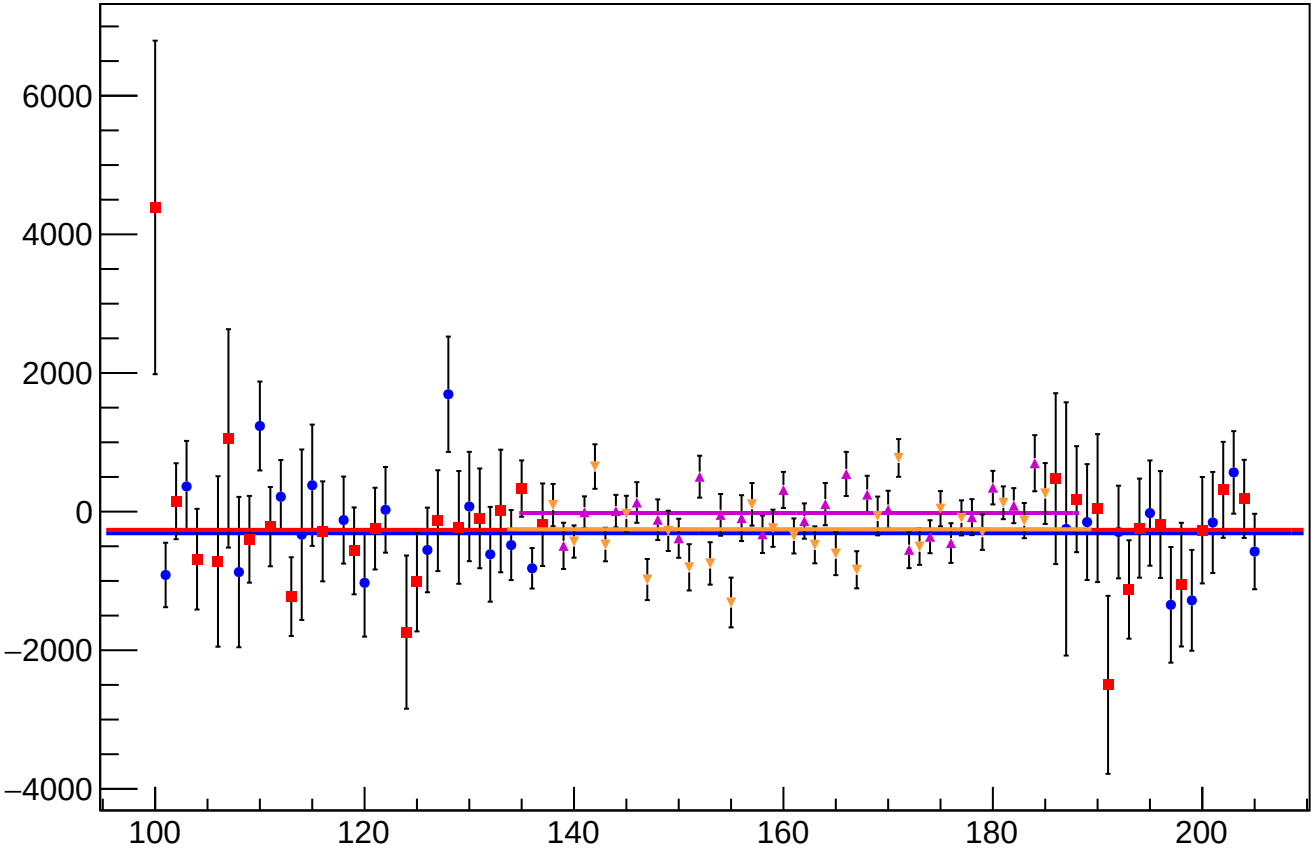
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 399.268+/-0.245 χ^2/NDF: 62332622.9/48

All: 397.367+/-0.167 χ^2/NDF: 124242500.8/9

- sign 395.713+/-0.229 χ^2/NDF: 61909765.7/50

diff_cav4cX_mean vs Slug



Right In: -312.140+/-125.834 χ^2/NDF: 27.1/24

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

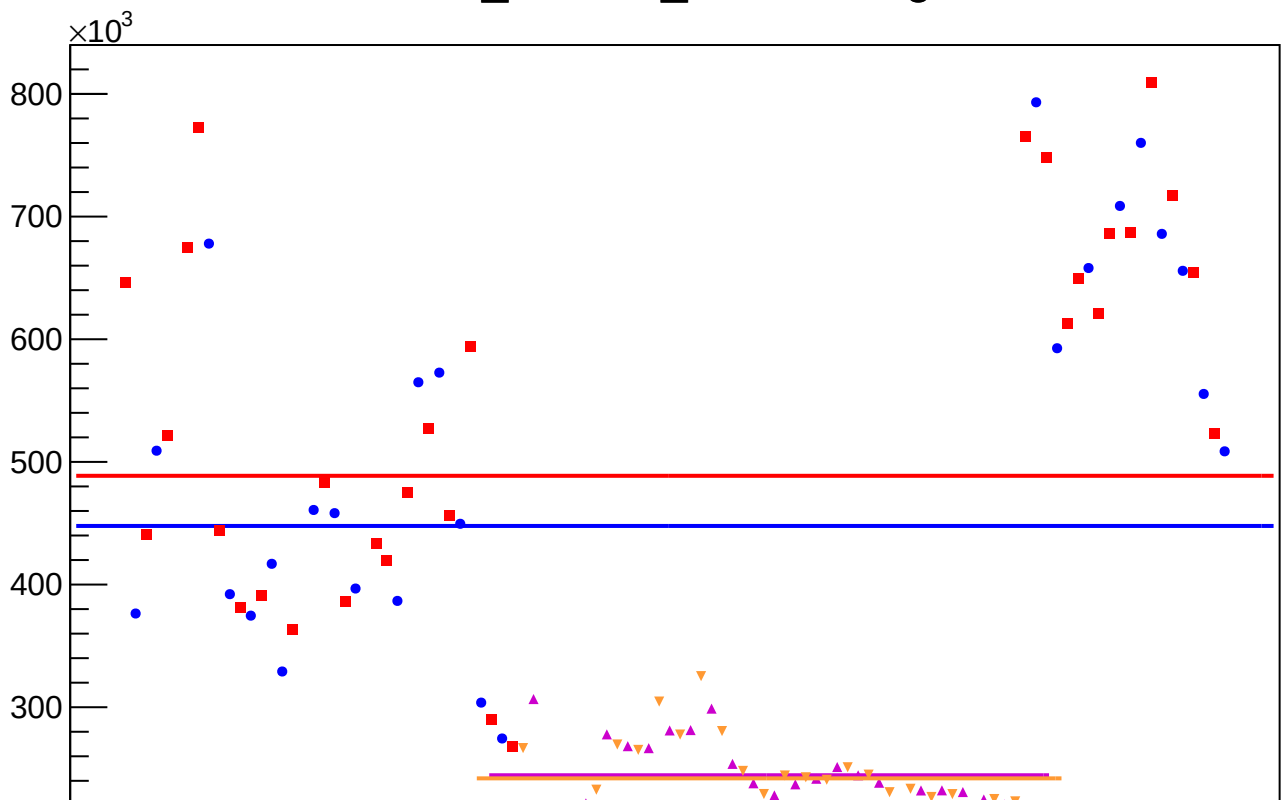
Right Out: -262.951+/-130.797 χ^2/NDF: 21.3/29

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -263.755+/-50.717 χ^2/NDF: 88.6/49

All: -165.388+/-36.518 χ^2/NDF: 149.2/102

- sign -59.477+/-52.626 χ^2/NDF: 52.7/52



Right In: 447792.448+/-88.996 χ^2/NDF: 2547031.7/24

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 488673.582+/-92.602 χ^2/NDF: 2494523.2/29

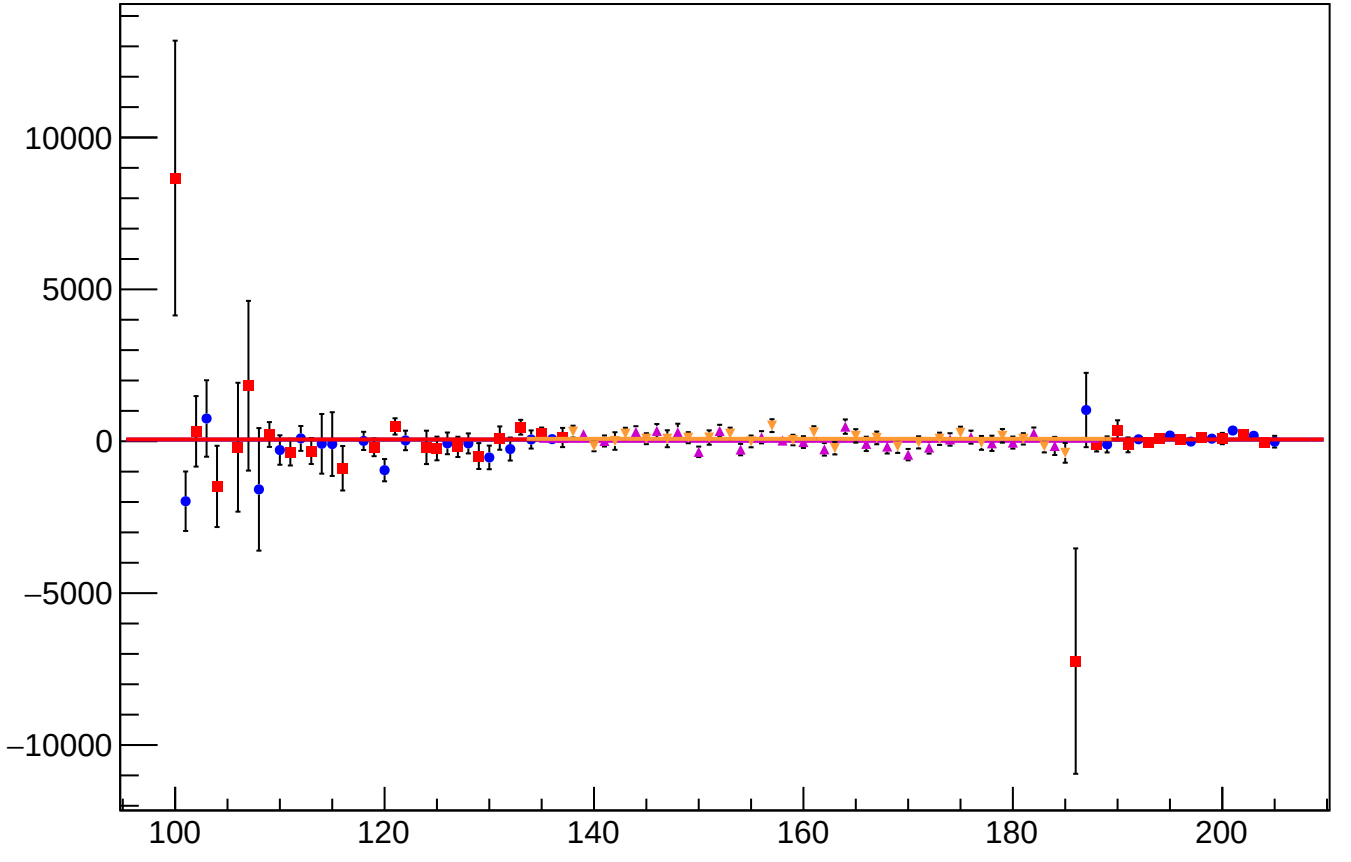
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 275426.235+/-35.863 χ^2/NDF: 7438650.8/49

All: 279544.949+/-25.825 χ^2/NDF: 1614956

- sign 283981.014+/-37.219 χ^2/NDF: 8683515.8/52

diff_cav4cY_mean vs Slug



Right In: 52.827+/-46.764 χ^2/NDF: 23.0/24

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 59.390+/-45.152 χ^2/NDF: 27.4/29

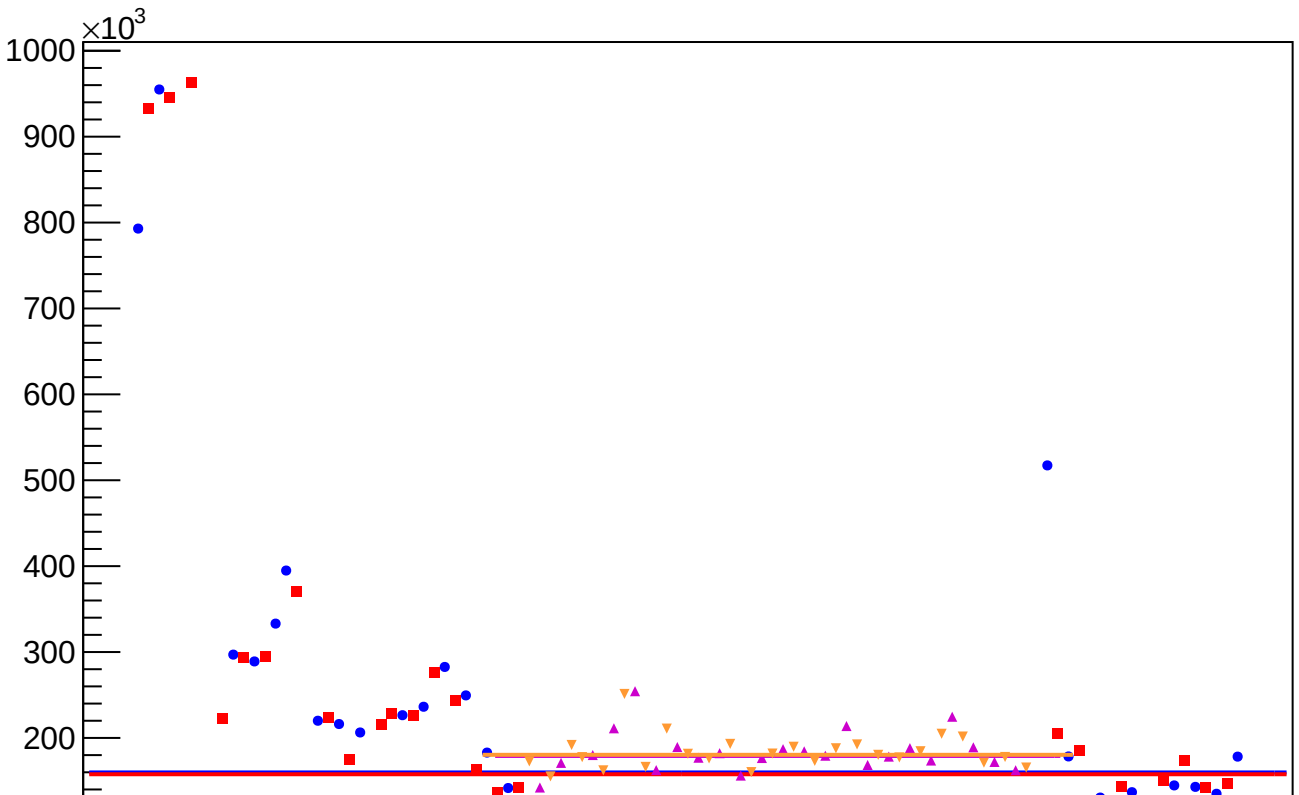
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 67.809+/-30.956 χ^2/NDF: 43.0/49

All: 51.444+/-21.849 χ^2/NDF: 104.6/102

- sign 35.198+/-30.844 χ^2/NDF: 61.1/52

diff_cav4cY_rms vs Slug



Right In: 159819.461+/-33.083 χ^2/NDF: 3224410.3/23

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157719.789+/-31.951 χ^2/NDF: 3271521.5/26

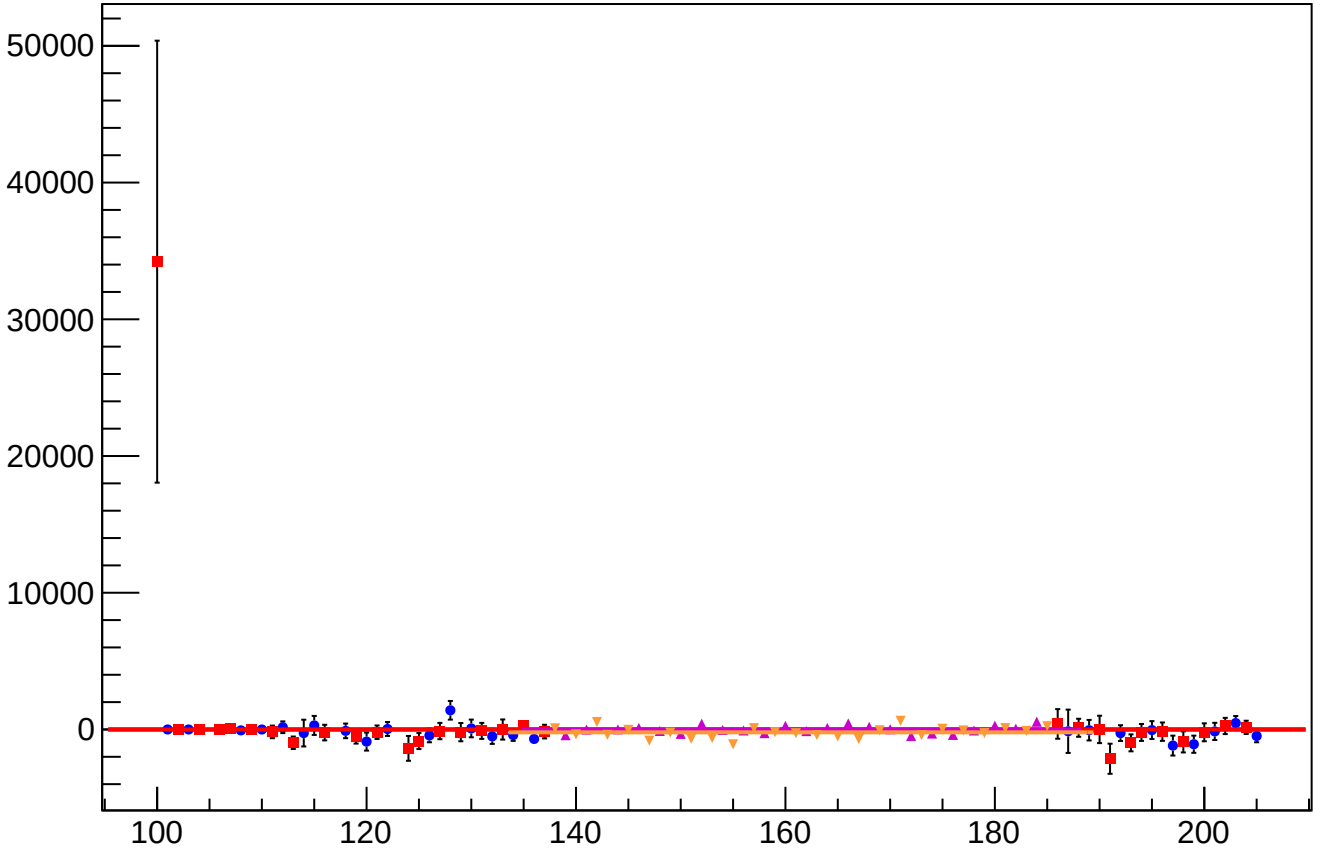
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 171354.347+/-21.894 χ^2/NDF: 3787305.7/48

All: 170218.459+/-15.454 χ^2/NDF: 7802894.

- sign 169090.521+/-21.817 χ^2/NDF: 4010223.8/49

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 25.9/24

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

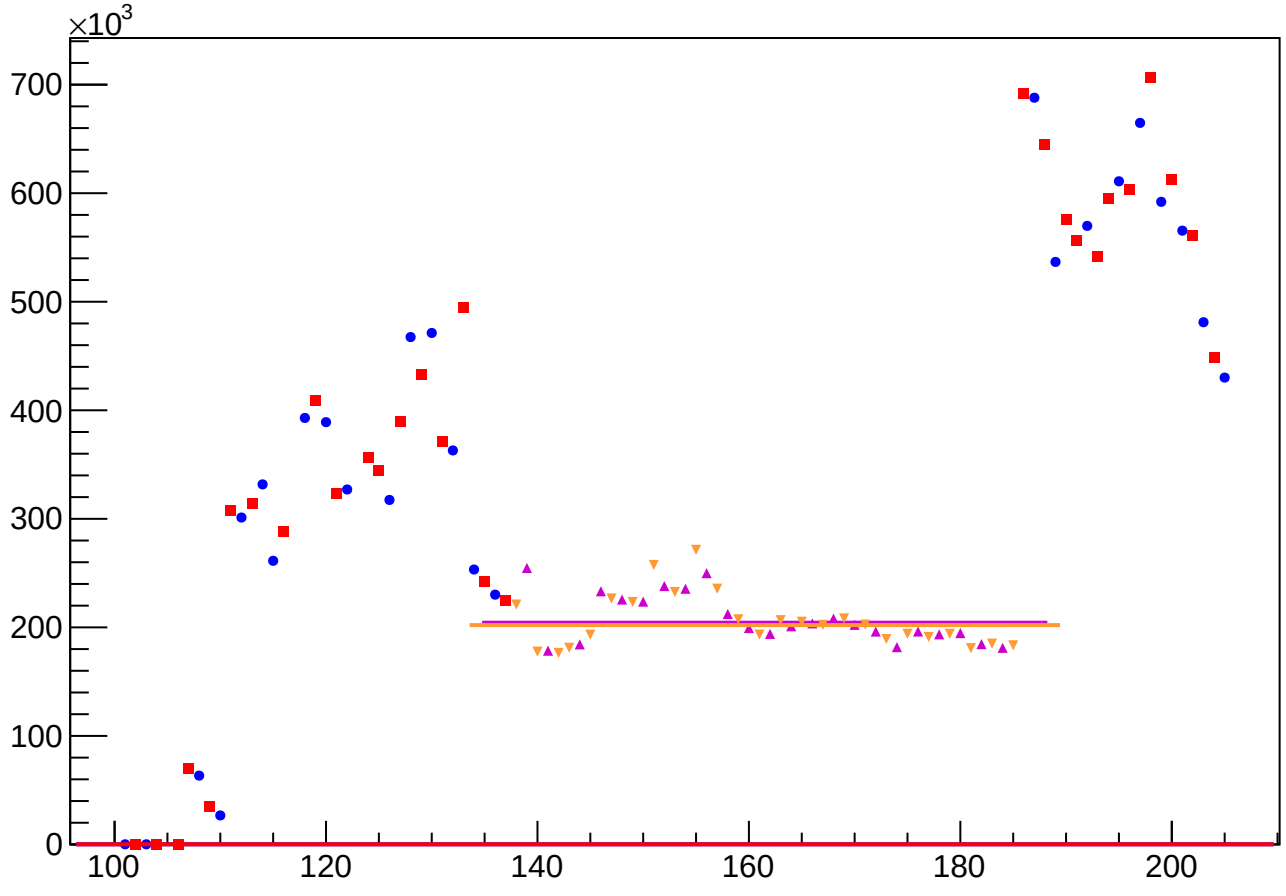
Right Out: -0.355+/-0.160 χ^2/NDF: 24.9/29

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 107.7/49

All: -0.208+/-0.117 χ^2/NDF: 163.2/102

- sign -0.355+/-0.160 χ^2/NDF: 53.7/52



Right In: 149.459+/-0.122 χ^2/NDF: 24926461.9/24

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.725+/-0.113 χ^2/NDF: 27102859.2/28

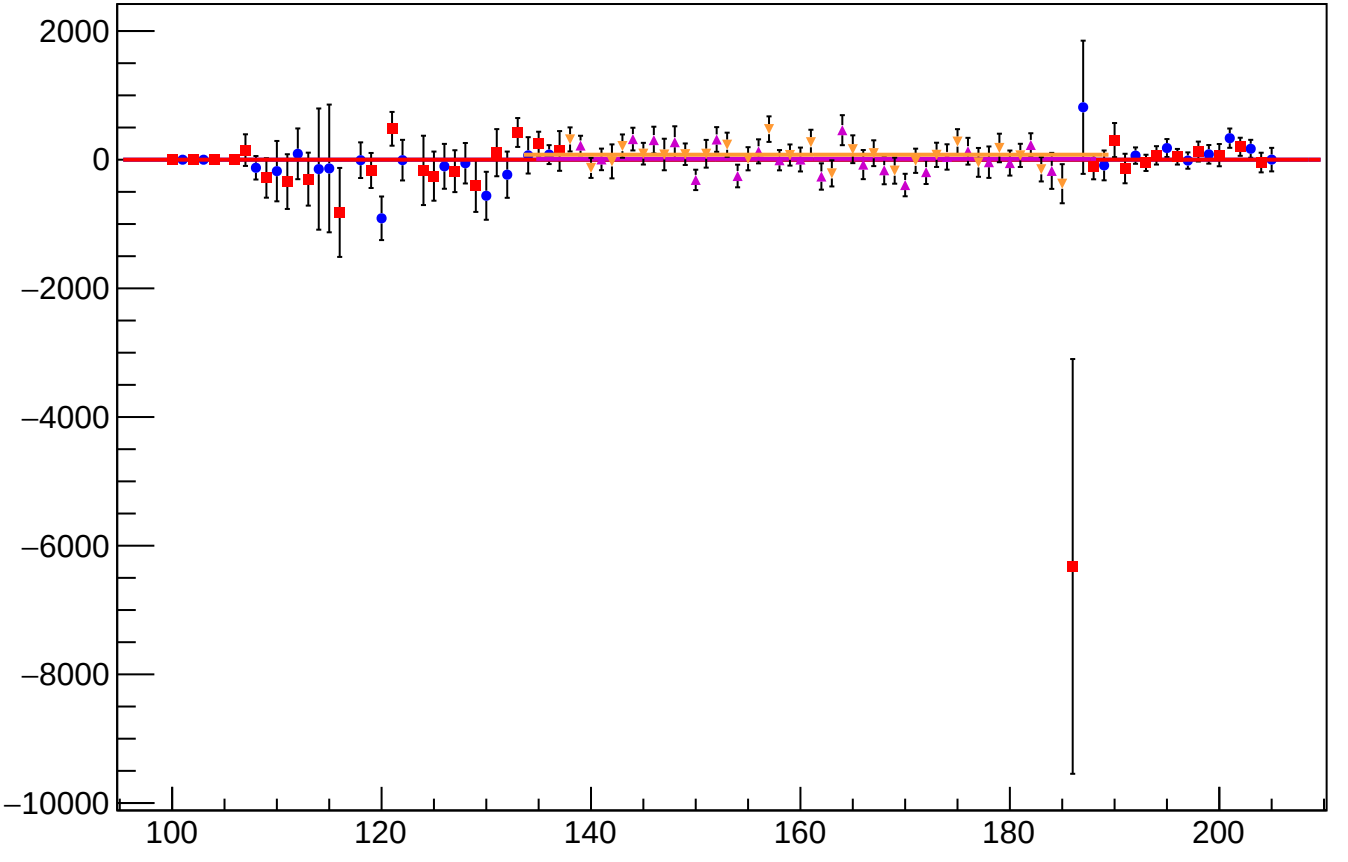
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.256+/-0.122 χ^2/NDF: 63422197.1/49

All: 152.115+/-0.083 χ^2/NDF: 127027717.6/1

- sign 151.994+/-0.113 χ^2/NDF: 63605518.1/51

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/24

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.126+/-0.166 χ^2/NDF: 24.5/29

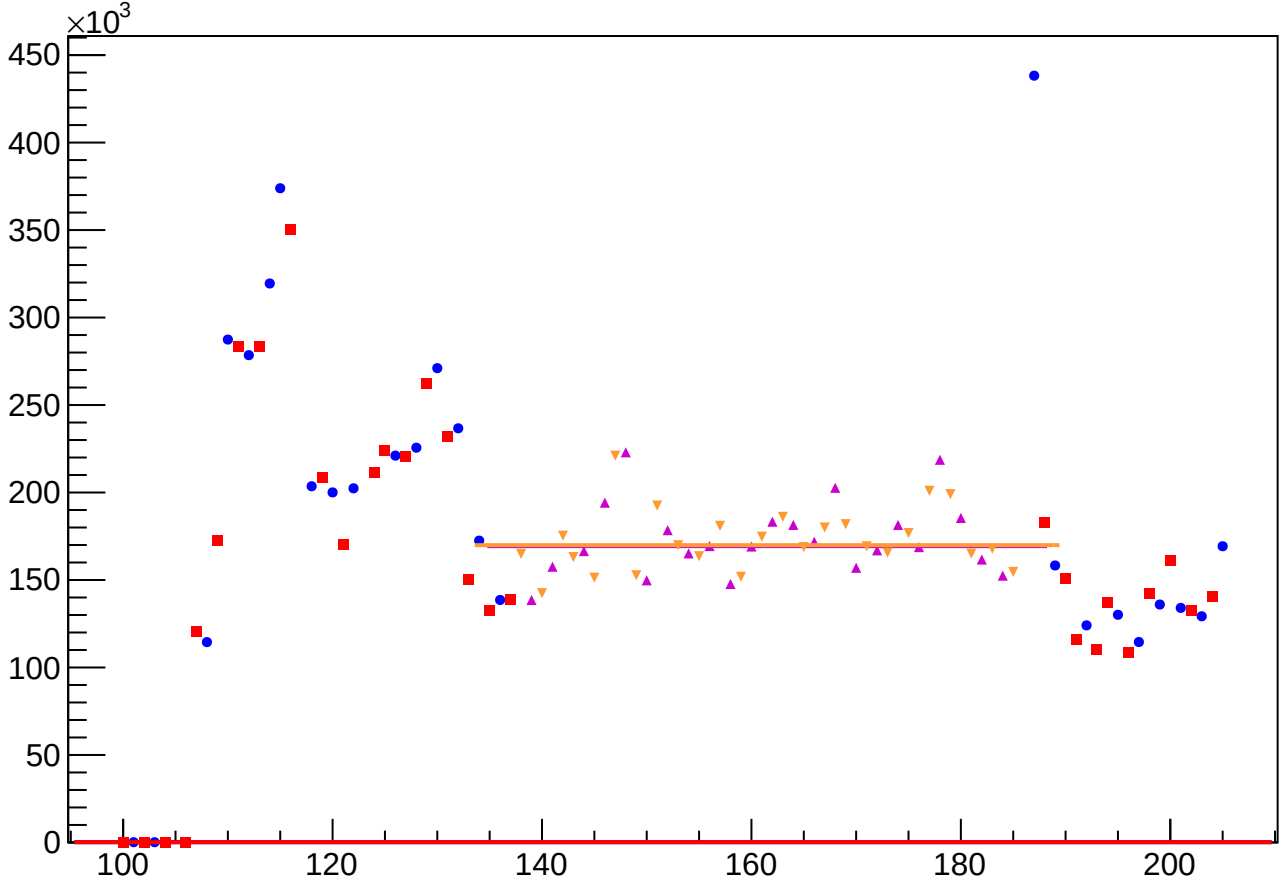
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 43.8/49

All: 0.037+/-0.121 χ^2/NDF: 101.8/102

- sign 0.127+/-0.166 χ^2/NDF: 57.3/52

diff_cav4dY_rms vs Slug



Right In: 154.996+/-0.125 χ^2/NDF: 25231549.5/24

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.658+/-0.118 χ^2/NDF: 26072031.7/28

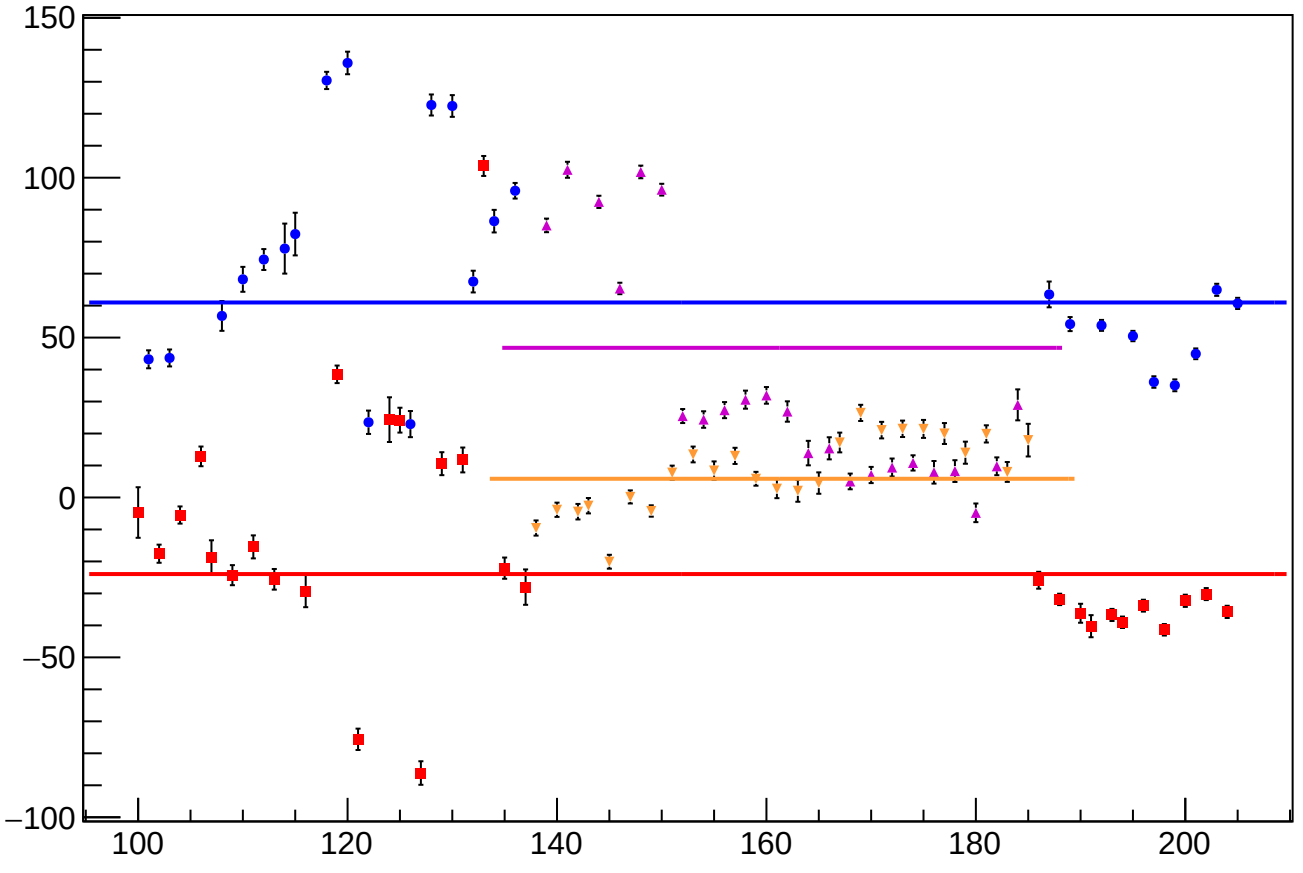
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.516+/-0.125 χ^2/NDF: 63642989.7/49

All: 159.623+/-0.086 χ^2/NDF: 126099545.4/1

- sign 160.599+/-0.118 χ^2/NDF: 62456409.0/51

diff_bpm0i01X_mean vs Slug



Right In: 60.977+/-0.504 χ^2/NDF: 2915.3/24

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -23.945+/-0.490 χ^2/NDF: 3667.7/29

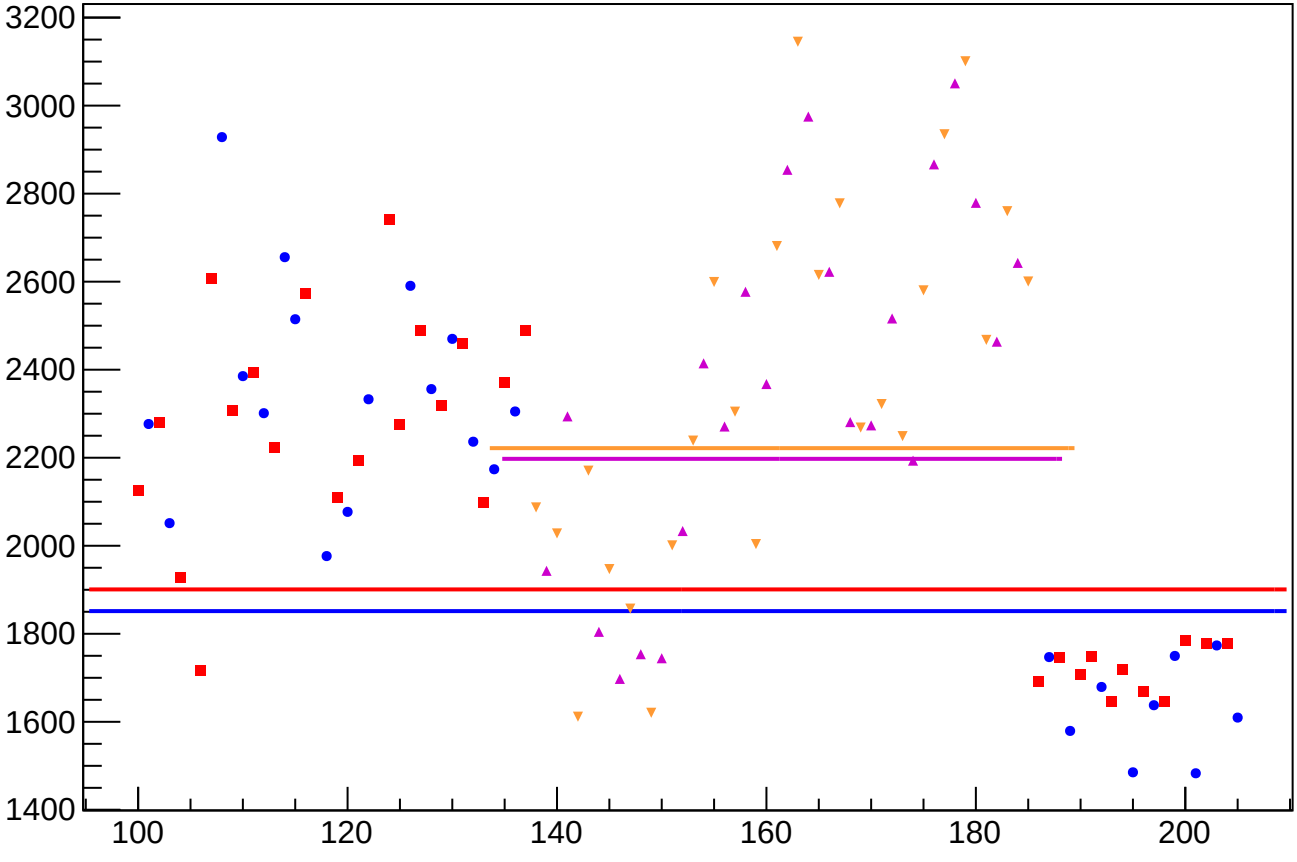
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 33.935+/-0.360 χ^2/NDF: 9310.6/49

All: 21.410+/-0.254 χ^2/NDF: 30275.6/102

- sign 9.021+/-0.358 χ^2/NDF: 18557.4/52

diff_bpm0i01X_rms vs Slug



Right In: 1851.542+/-0.357 χ^2/NDF: 943594.8/24

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1900.801+/-0.346 χ^2/NDF: 662912.0/29

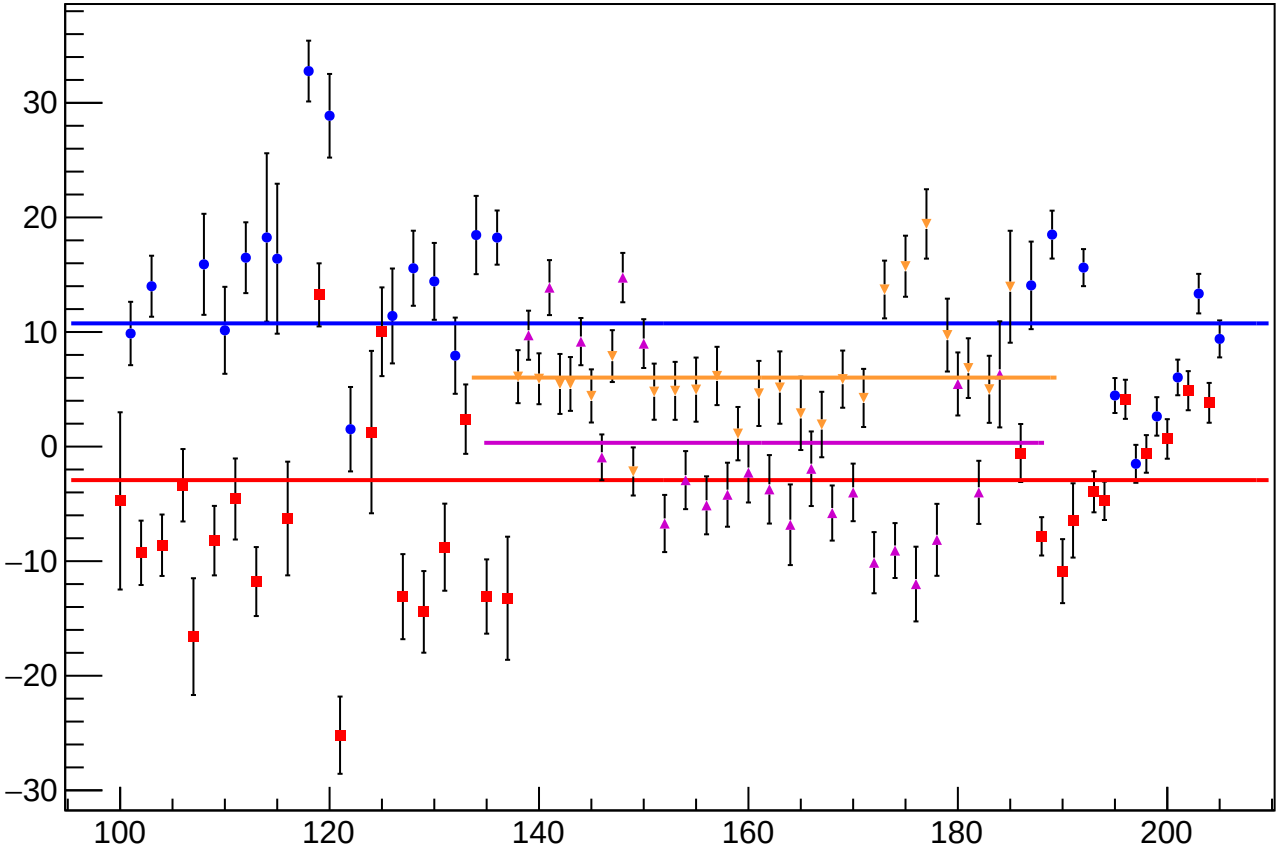
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2033.164+/-0.255 χ^2/NDF: 2656281.0/49

All: 2036.125+/-0.180 χ^2/NDF: 4765823.6/10

- sign 2039.055+/-0.253 χ^2/NDF: 2109273.4/52

diff_bpm0i01Y_mean vs Slug



Right In: 10.754+/-0.477 χ^2/NDF: 258.2/24

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.926+/-0.463 χ^2/NDF: 235.3/29

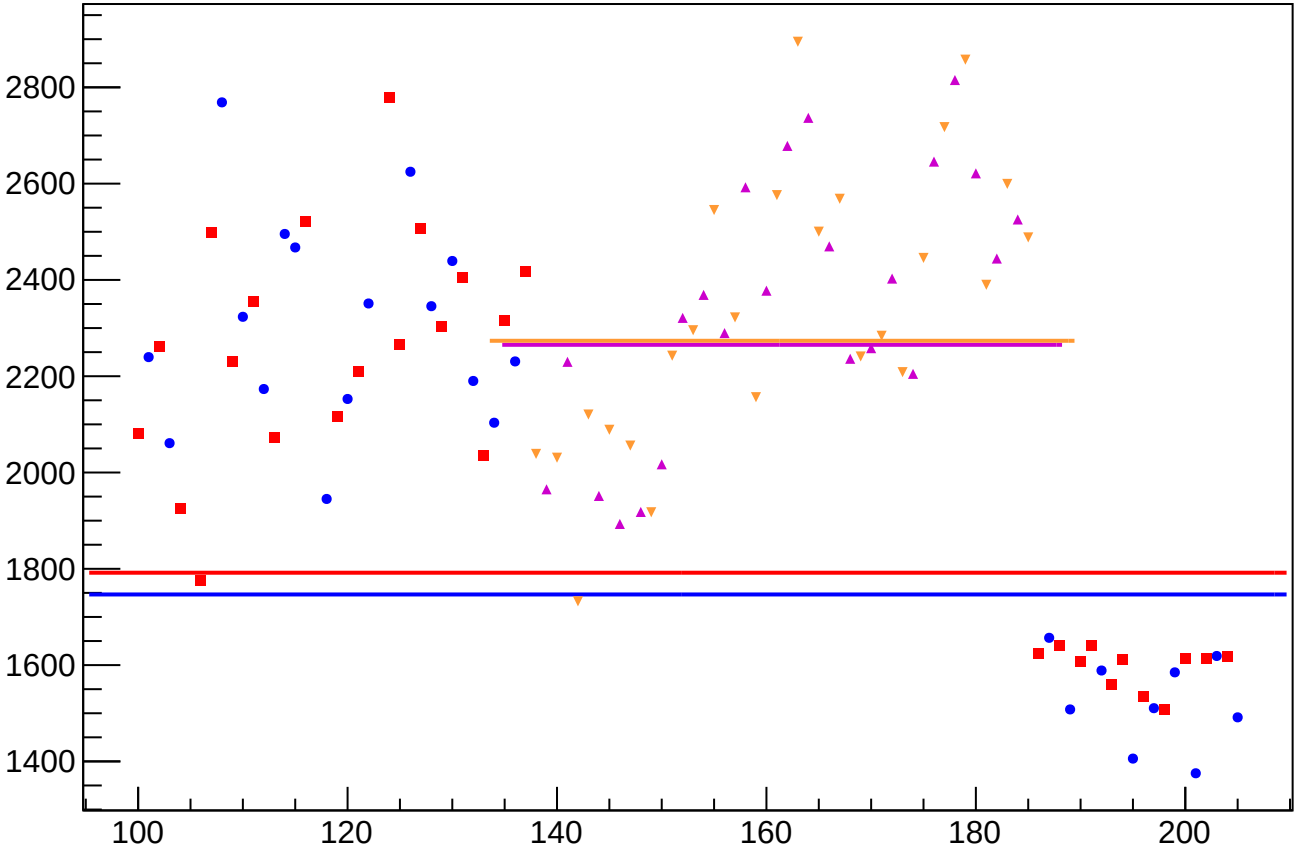
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.593+/-0.352 χ^2/NDF: 374.8/49

All: 3.507+/-0.248 χ^2/NDF: 1271.8/102

- sign -1.529+/-0.350 χ^2/NDF: 481.3/52

diff_bpm0i01Y_rms vs Slug



Right In: 1746.722+/-0.338 χ^2/NDF: 1181639.8/24

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1791.887+/-0.328 χ^2/NDF: 905182.3/29

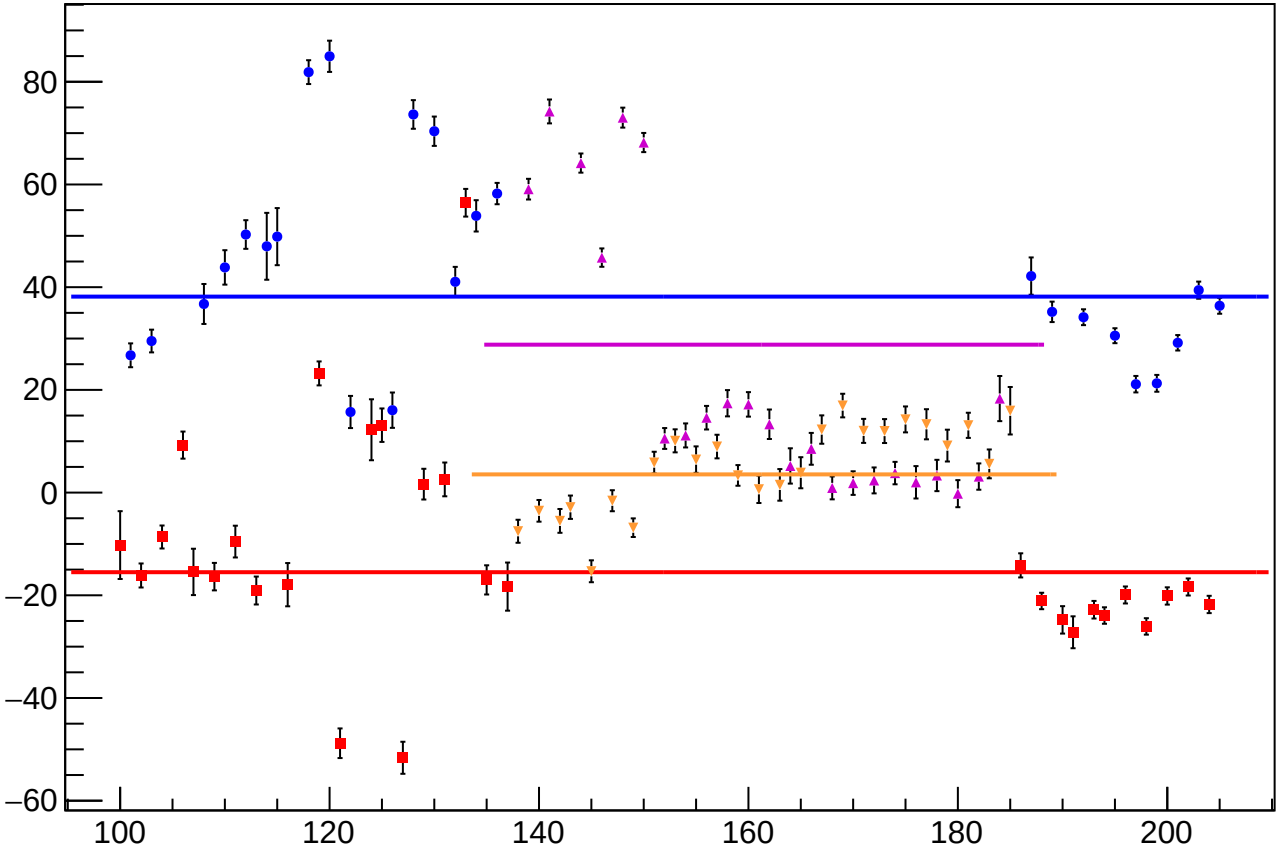
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1987.293+/-0.249 χ^2/NDF: 2830767.7/49

All: 1991.181+/-0.176 χ^2/NDF: 5127494.7/10

- sign 1995.030+/-0.248 χ^2/NDF: 2296241.4/52

diff_bpm0i01aX_mean vs Slug



Right In: 38.164+/-0.442 χ^2/NDF: 1456.1/24

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -15.503+/-0.429 χ^2/NDF: 1681.4/29

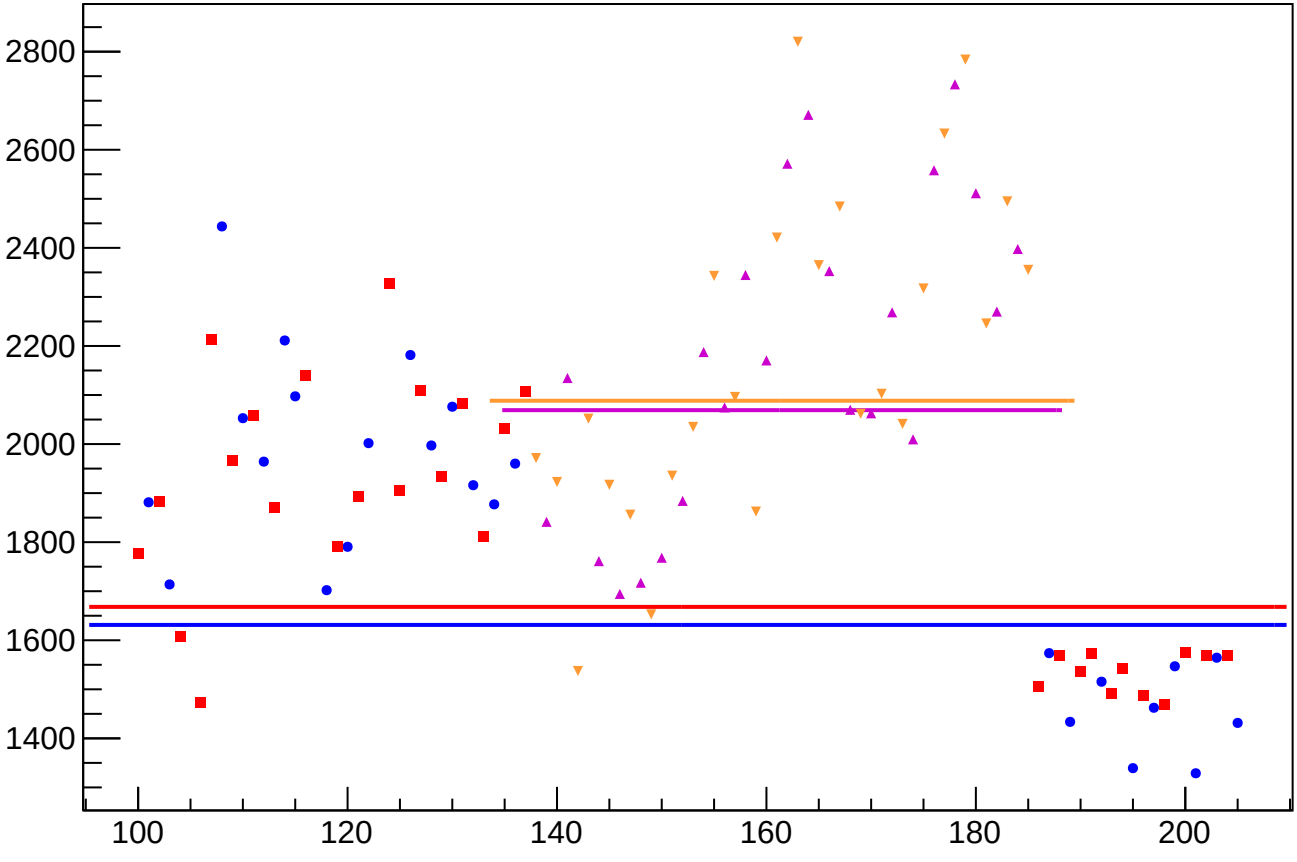
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 22.283+/-0.325 χ^2/NDF: 4588.4/49

All: 12.902+/-0.229 χ^2/NDF: 15806.3/102

\- sign 3.663+/-0.323 χ^2/NDF: 9567.3/52

diff_bpm0i01aX_rms vs Slug



Right In: 1631.309+/-0.313 χ^2/NDF: 711453.6/24

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1668.062+/-0.303 χ^2/NDF: 481742.7/29

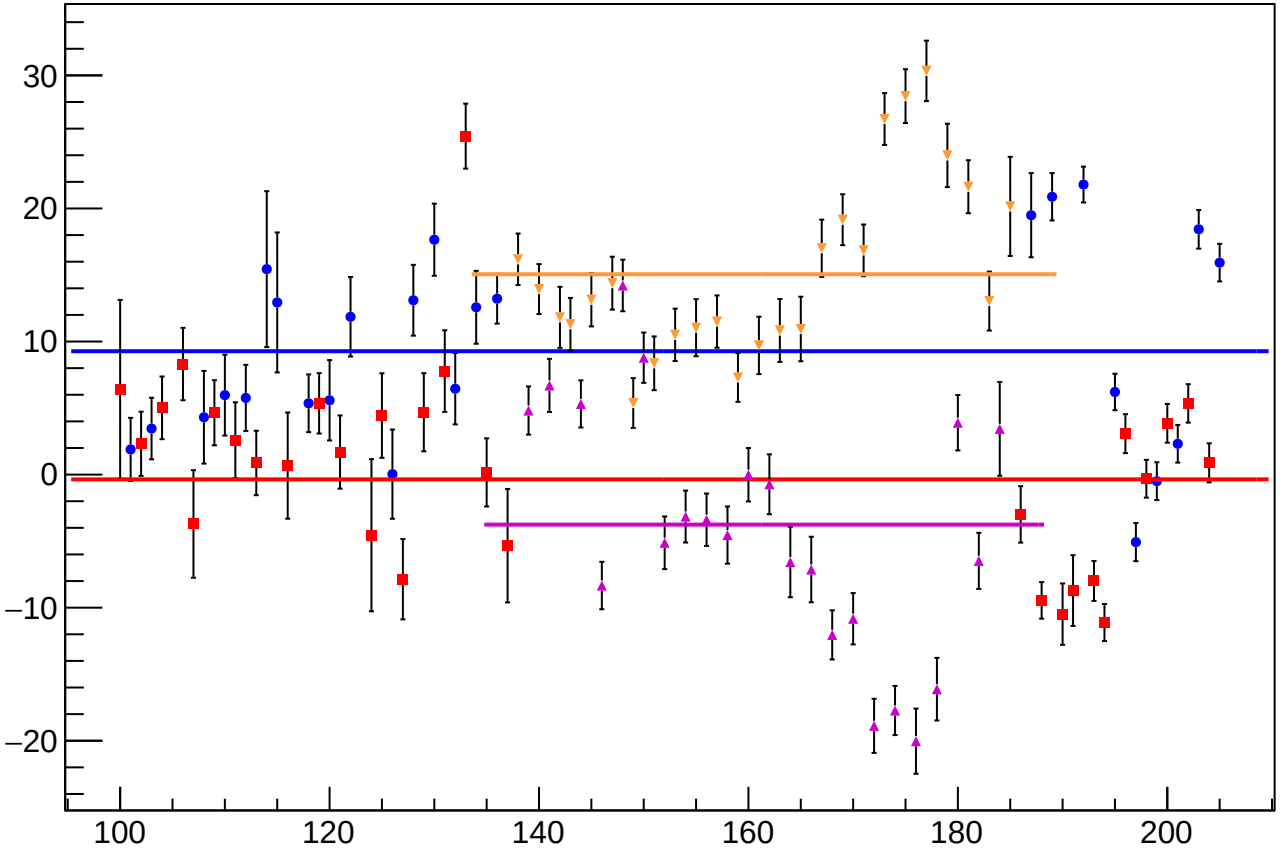
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1840.968+/-0.230 χ^2/NDF: 2479236.5/49

All: 1841.257+/-0.162 χ^2/NDF: 4430089.2/10

- sign 1841.542+/-0.228 χ^2/NDF: 1950849.6/52

diff_bpm0i01aY_mean vs Slug



Right In: 9.271+/-0.405 χ^2/NDF: 432.6/24

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.358+/-0.387 χ^2/NDF: 353.2/29

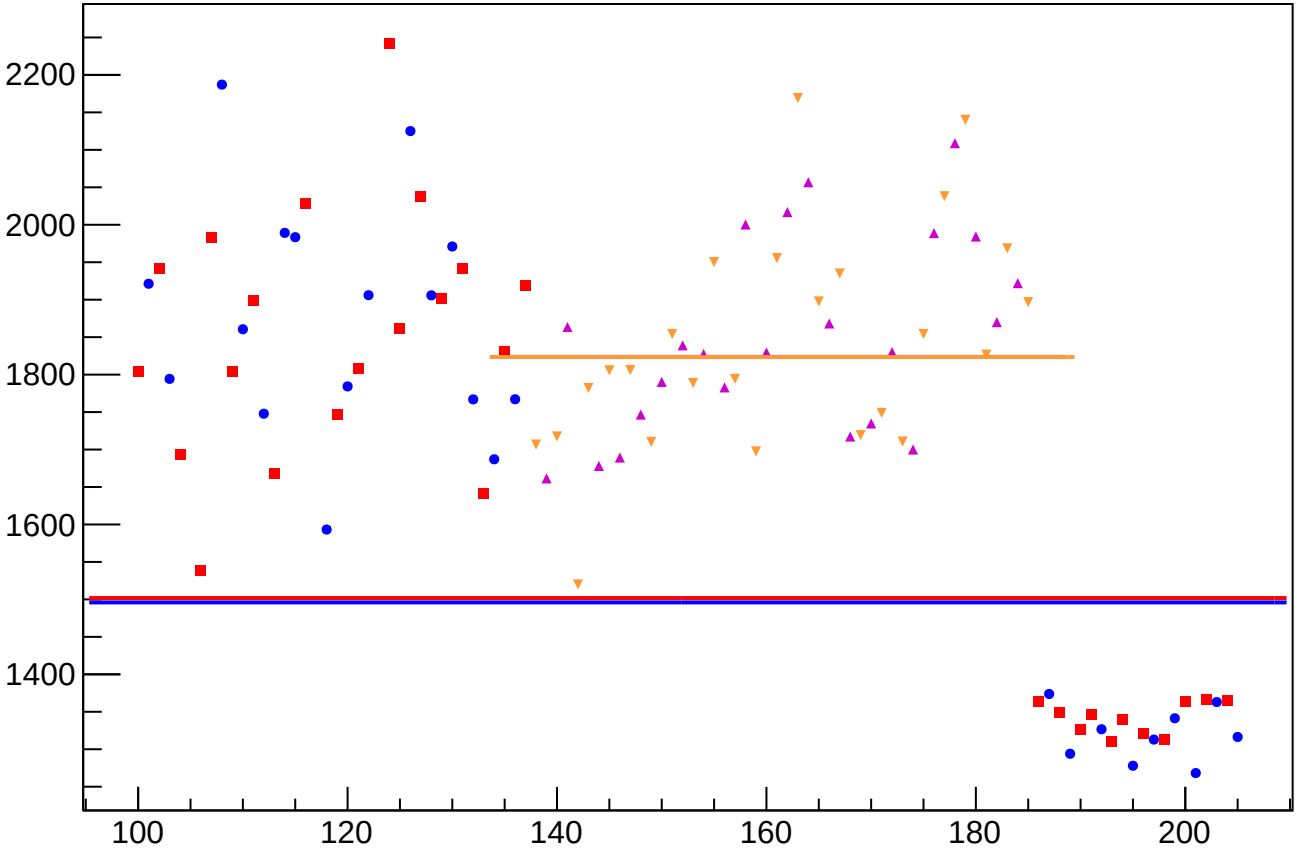
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 12.088+/-0.290 χ^2/NDF: 778.2/49

All: 5.025+/-0.204 χ^2/NDF: 2798.3/102

- sign -1.888+/-0.287 χ^2/NDF: 847.0/52

diff_bpm0i01aY_rms vs Slug



Right In: 1495.961+/-0.286 χ^2/NDF: 836524.0/24

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1501.783+/-0.274 χ^2/NDF: 763253.3/29

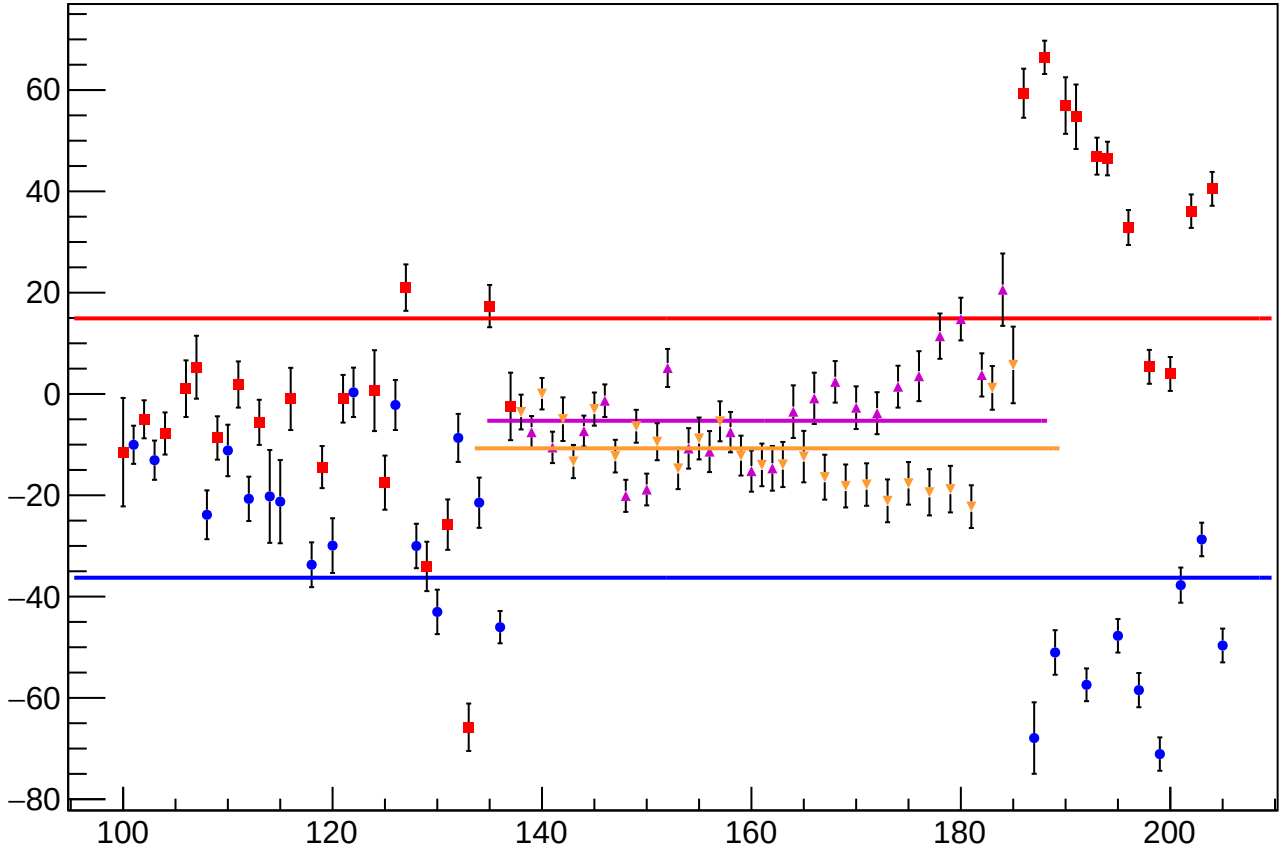
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1655.447+/-0.205 χ^2/NDF: 1684616.1/49

All: 1650.986+/-0.144 χ^2/NDF: 3235085.7/10

- sign 1646.618+/-0.203 χ^2/NDF: 1549533.4/52

diff_bpm0l01X_mean vs Slug



Right In: -36.274+/-0.829 χ^2/NDF: 559.2/24

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 14.921+/-0.794 χ^2/NDF: 1453.9/29

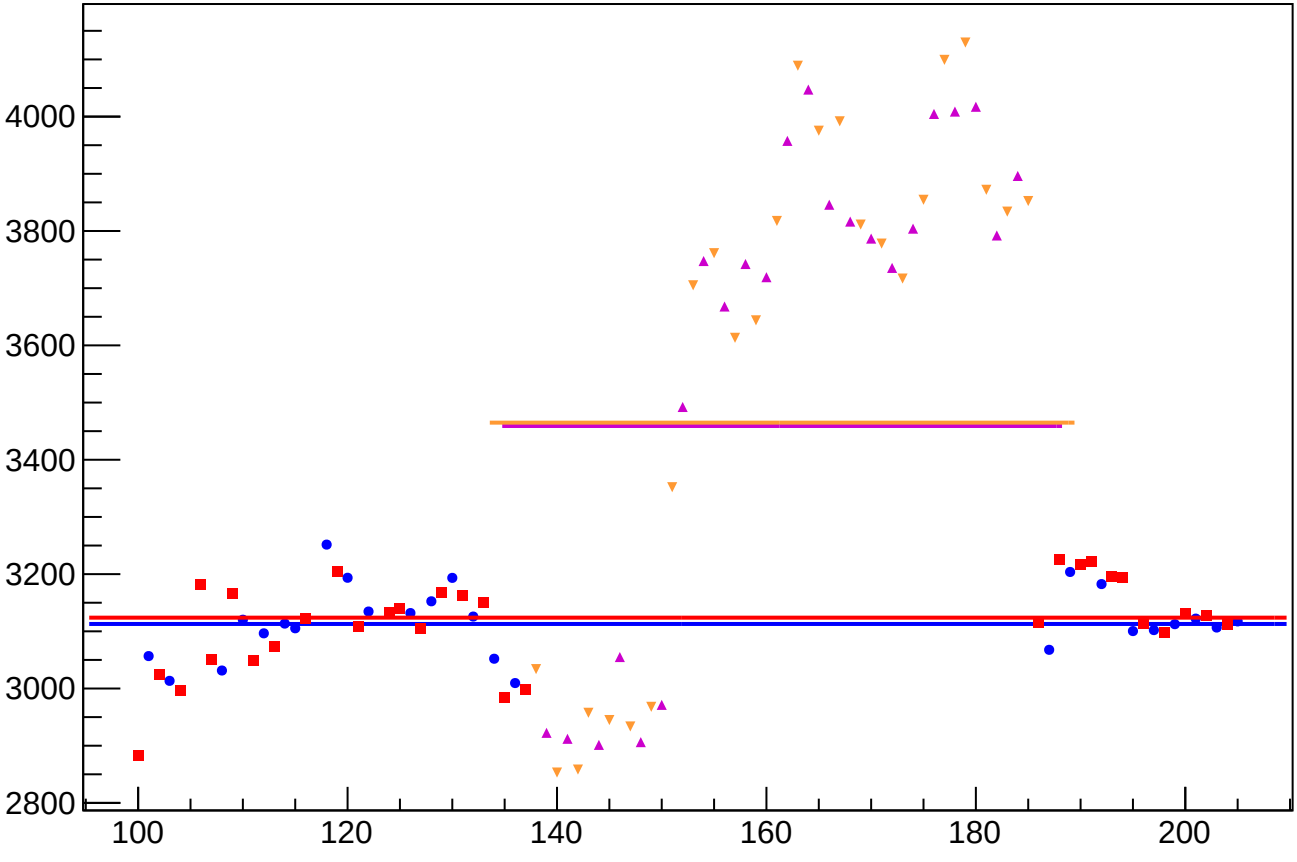
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -22.955+/-0.573 χ^2/NDF: 1128.5/49

All: -8.826+/-0.404 χ^2/NDF: 4236.9/102

- sign 5.071+/-0.568 χ^2/NDF: 1903.3/52

diff_bpm0l01X_rms vs Slug



Right In: 3112.867+/-0.586 χ^2/NDF: 10051.9/24

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.906+/-0.561 χ^2/NDF: 14680.4/29

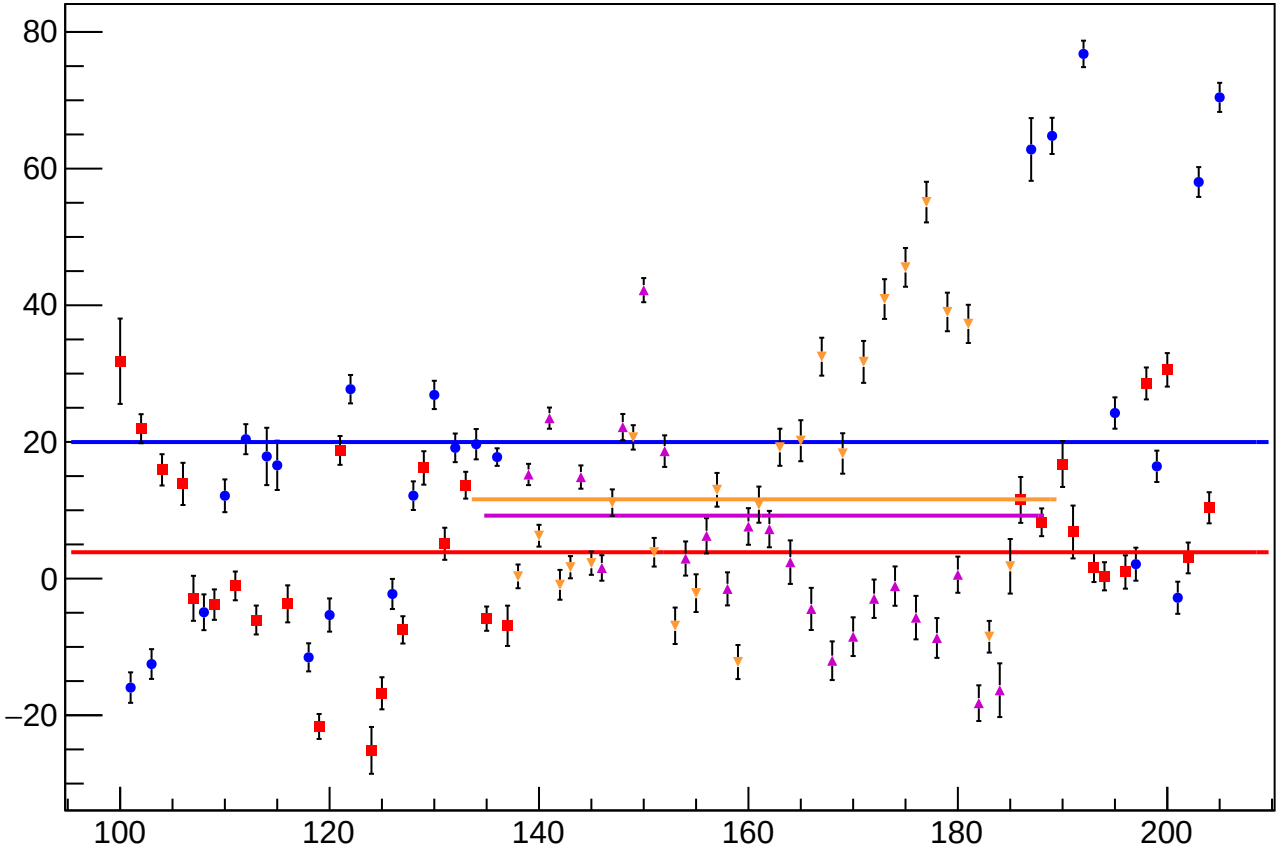
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3296.436+/-0.405 χ^2/NDF: 842311.8/49

All: 3291.802+/-0.285 χ^2/NDF: 1614230.7/10

- sign 3287.243+/-0.402 χ^2/NDF: 771659.6/52

diff_bpm0l01Y_mean vs Slug



Right In: 19.982+/-0.446 χ^2/NDF: 3323.9/24

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 3.858+/-0.432 χ^2/NDF: 971.6/29

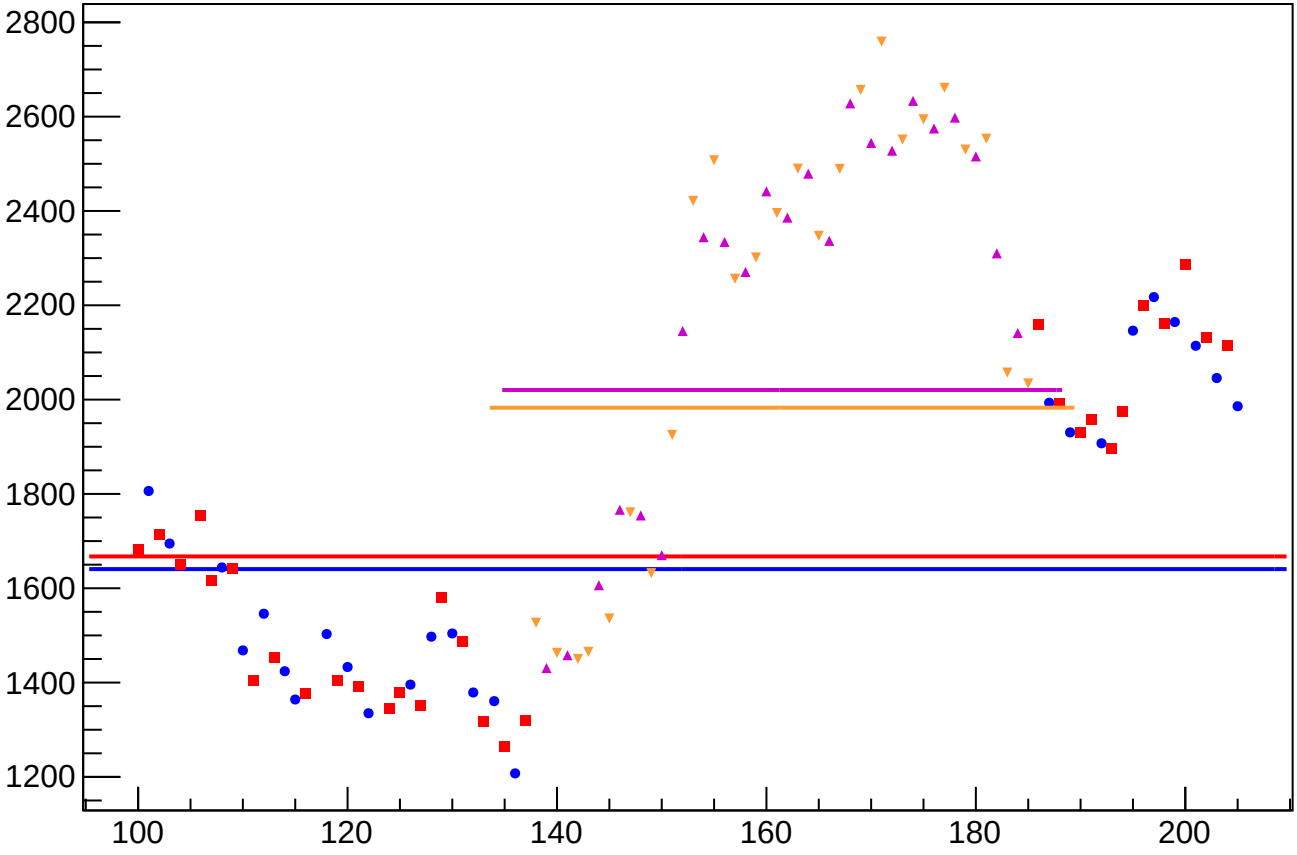
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 15.953+/-0.321 χ^2/NDF: 4690.8/49

All: 11.112+/-0.228 χ^2/NDF: 7126.9/102

\- sign 6.236+/-0.322 χ^2/NDF: 1980.3/52

diff_bpm0l01Y_rms vs Slug



Right In: 1640.603+/-0.315 χ^2/NDF: 1035125.8/24

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1667.477+/-0.306 χ^2/NDF: 1119309.8/29

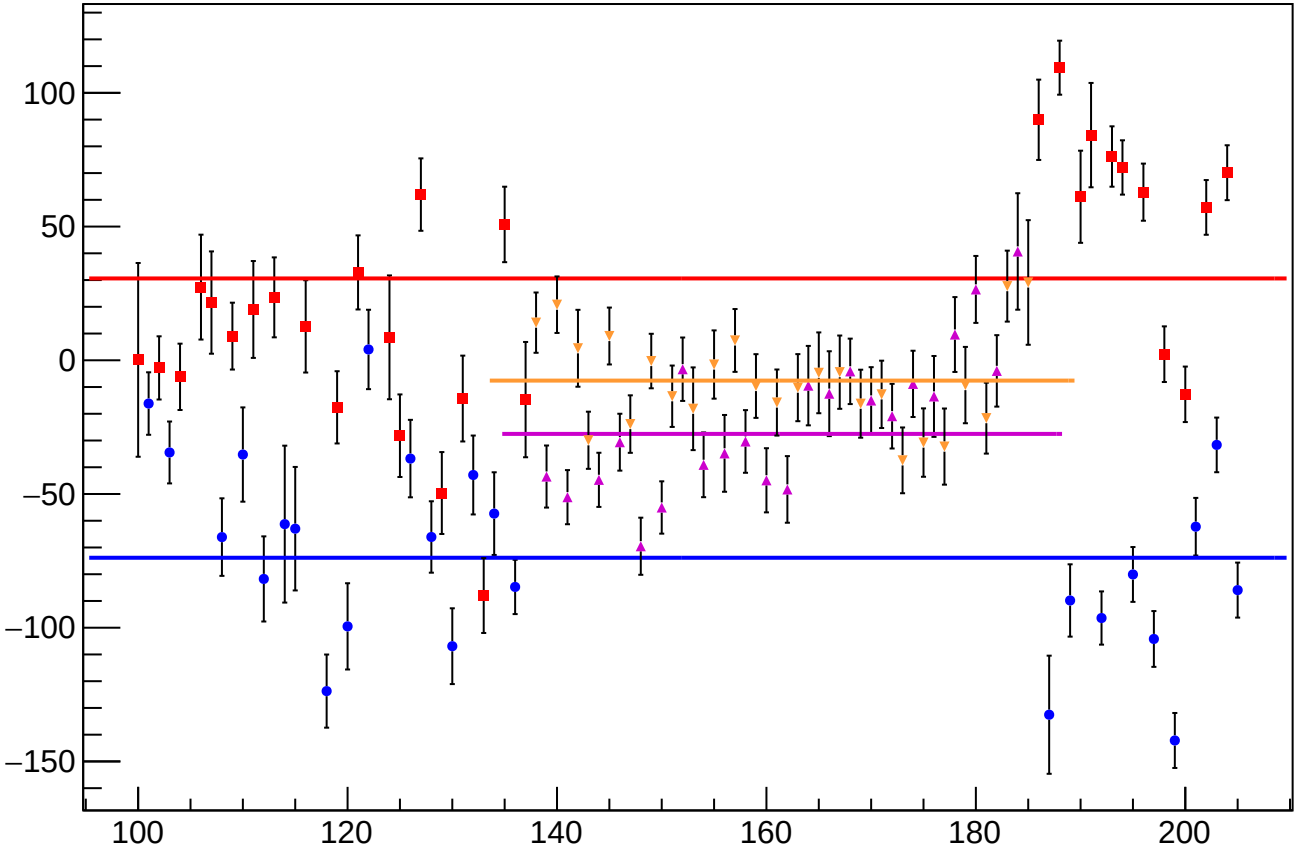
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1805.106+/-0.227 χ^2/NDF: 3579426.6/49

All: 1814.635+/-0.161 χ^2/NDF: 6908828.9/10

- sign 1824.230+/-0.228 χ^2/NDF: 3325871.3/52

diff_bpm0l02X_mean vs Slug



Right In: -73.841+/-2.575 χ^2/NDF: 190.3/24

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 30.602+/-2.471 χ^2/NDF: 345.2/29

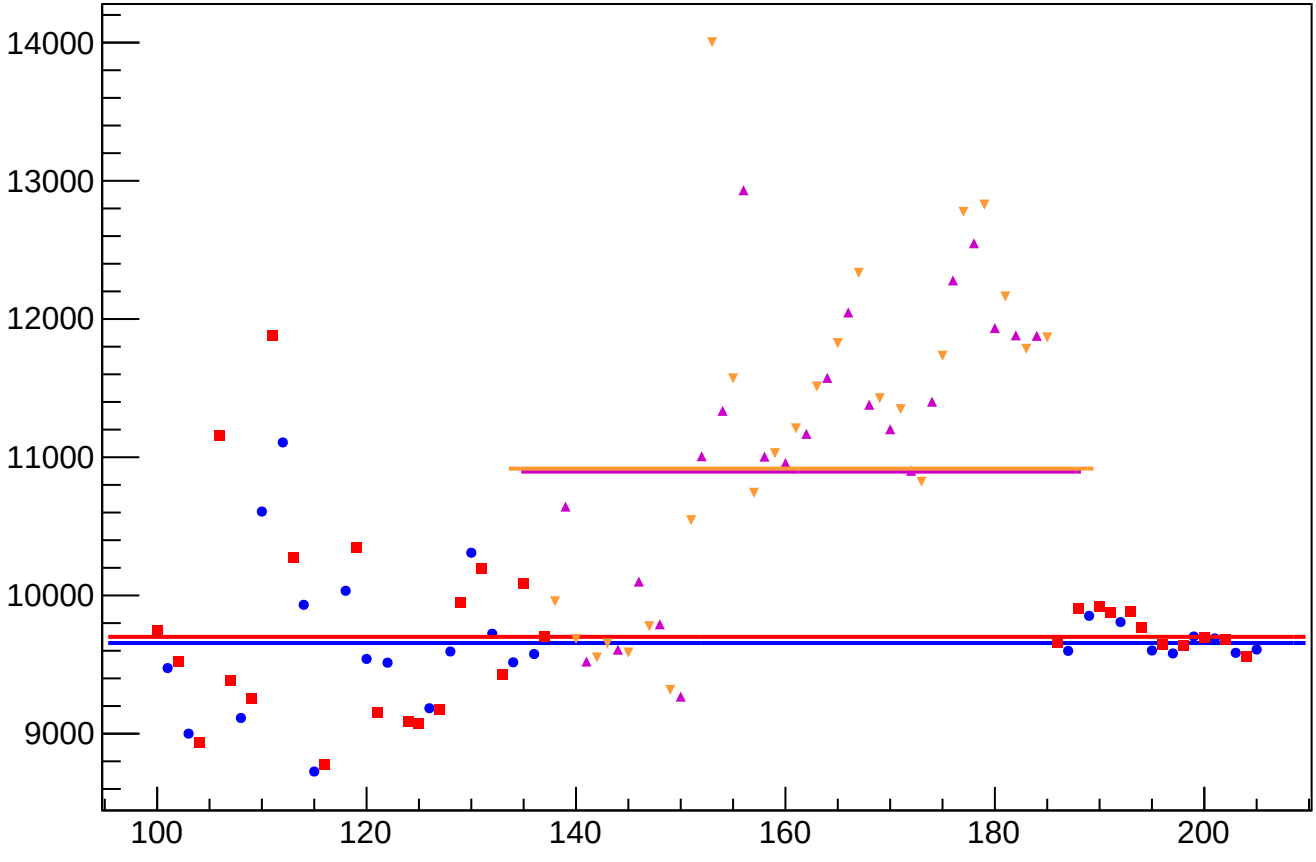
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -39.667+/-1.792 χ^2/NDF: 579.5/49

All: -18.390+/-1.262 χ^2/NDF: 1564.6/102

- sign 2.525+/-1.777 χ^2/NDF: 705.6/52

diff_bpm0l02X_rms vs Slug



Right In: 9655.927+/-1.821 χ^2/NDF: 45381.4/24

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9700.567+/-1.747 χ^2/NDF: 82501.9/29

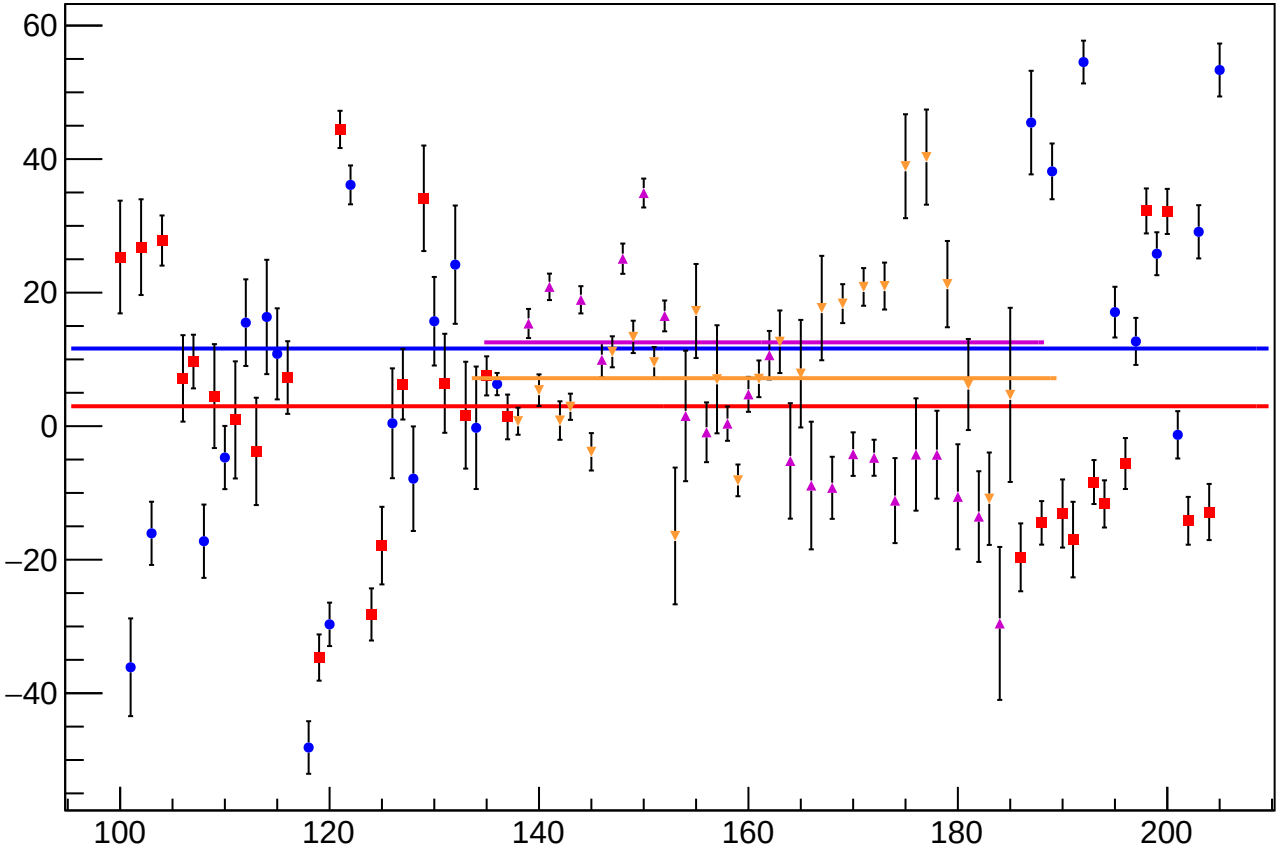
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10306.824+/-1.267 χ^2/NDF: 718862.0/49

All: 10292.264+/-0.892 χ^2/NDF: 1325777.0/1

- sign 10277.952+/-1.256 χ^2/NDF: 606653.2/52

diff_bpm0l02Y_mean vs Slug



Right In: 11.629+/-0.806 χ^2/NDF: 1005.7/24

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 2.981+/-0.785 χ^2/NDF: 793.2/29

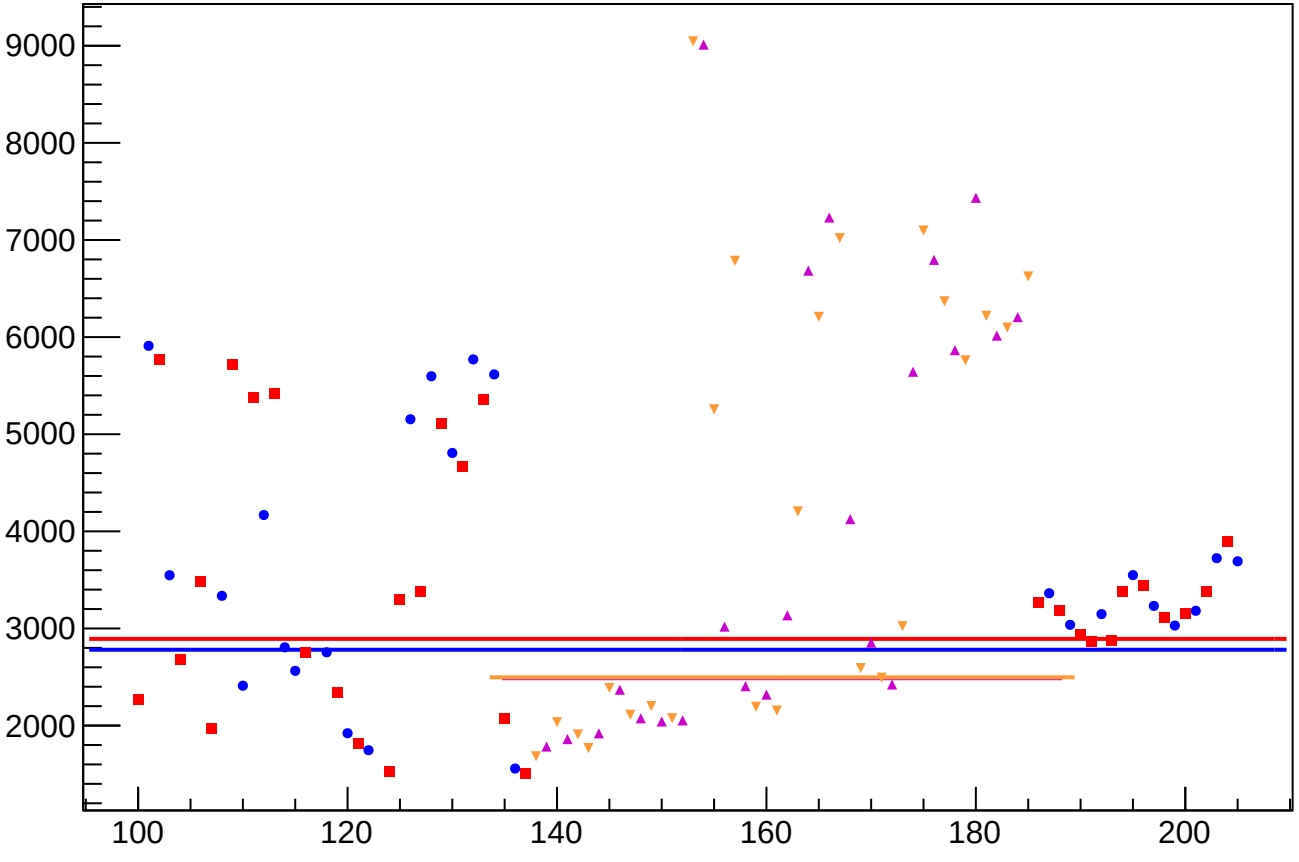
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 8.948+/-0.508 χ^2/NDF: 1225.8/49

All: 8.767+/-0.358 χ^2/NDF: 2478.3/102

- sign 8.587+/-0.506 χ^2/NDF: 1252.3/52

diff_bpm0l02Y_rms vs Slug



Right In: 2781.001+/-0.570 χ^2/NDF: 3457822.9/24

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2892.786+/-0.555 χ^2/NDF: 2945502.4/29

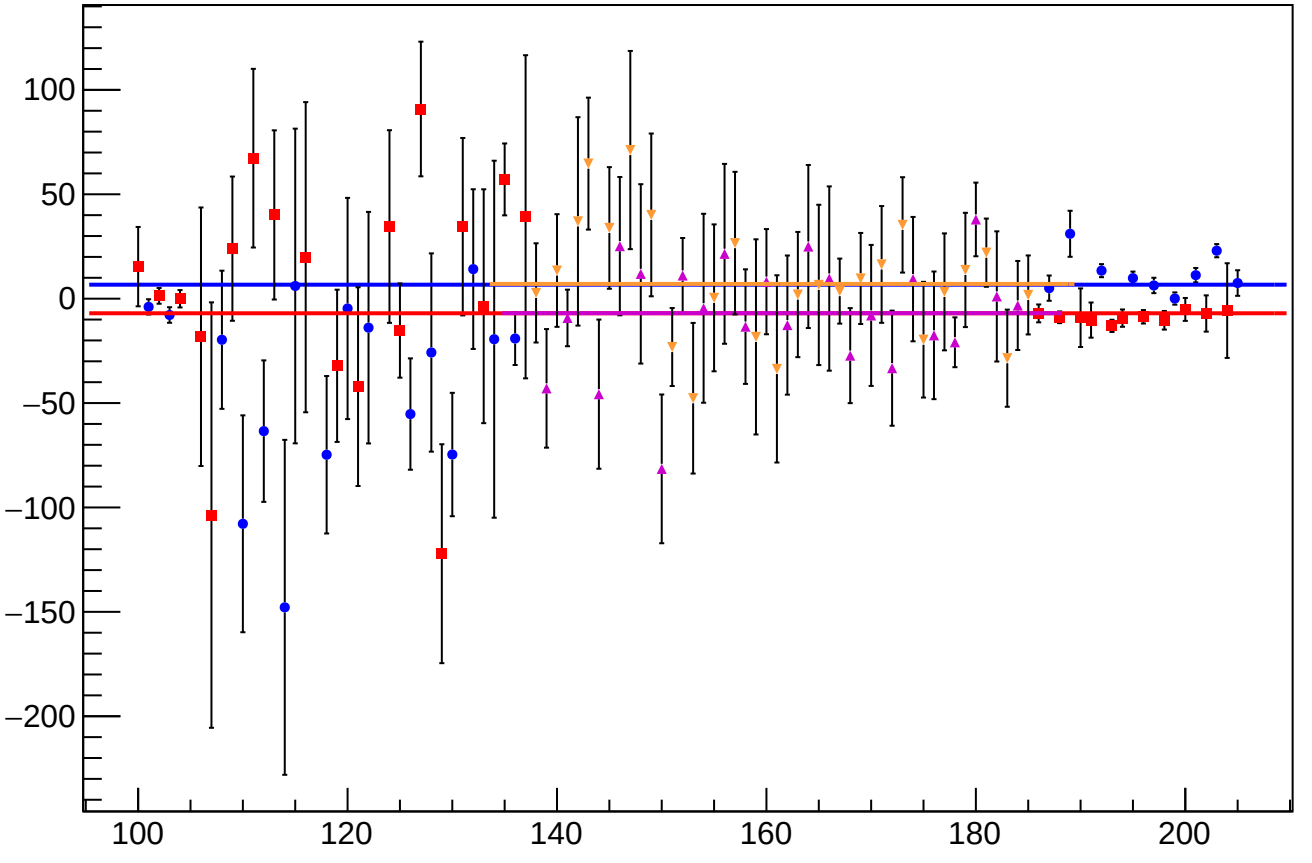
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2609.549+/-0.359 χ^2/NDF: 10813656.0/49

All: 2632.642+/-0.253 χ^2/NDF: 20182471.7/1

- sign 2655.538+/-0.357 χ^2/NDF: 9360574.7/52

diff_bpm0l03X_mean vs Slug



Right In: 6.698+/-1.119 χ^2/NDF: 103.6/24

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -6.993+/-1.183 χ^2/NDF: 52.7/29

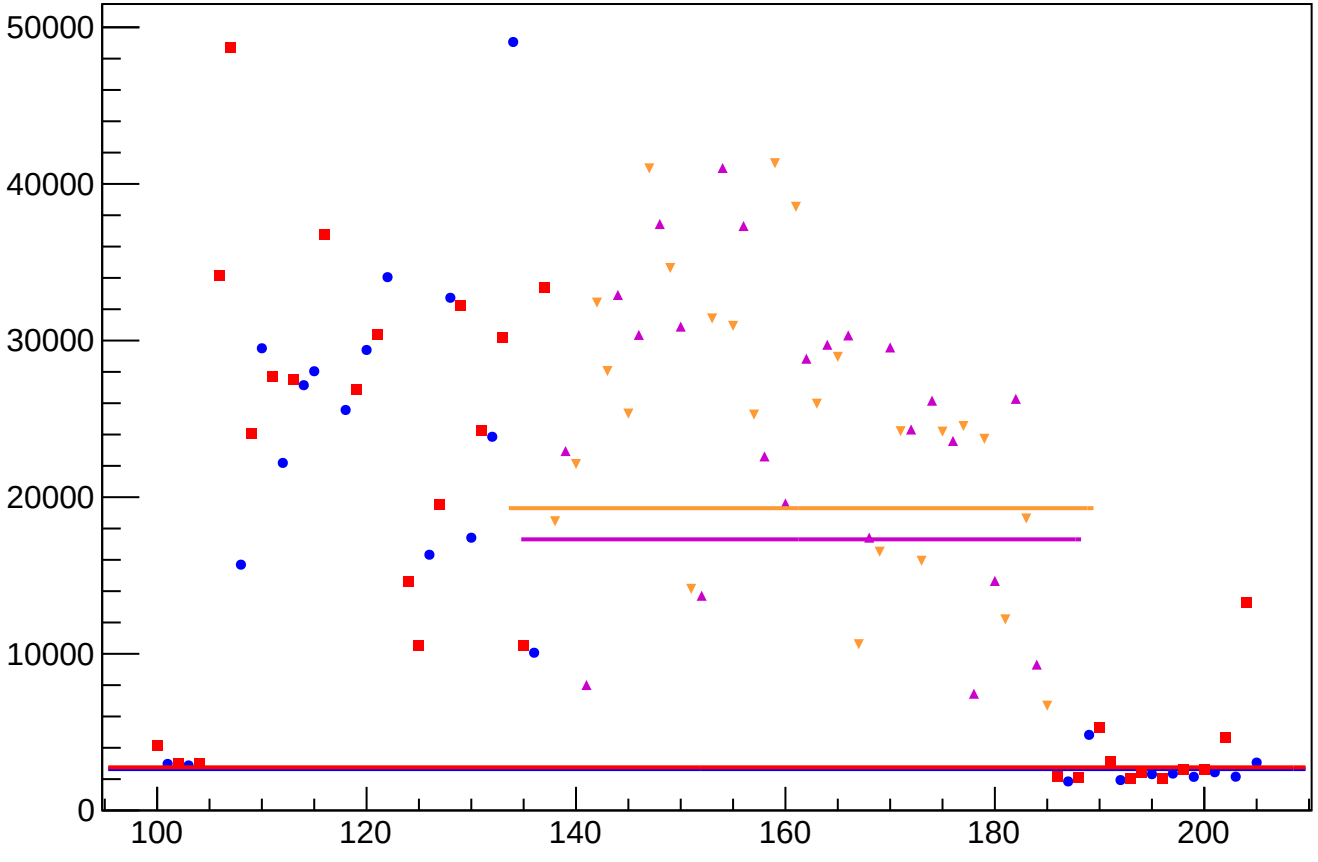
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 6.714+/-1.094 χ^2/NDF: 123.2/49

All: 0.219+/-0.793 χ^2/NDF: 271.4/102

- sign -6.990+/-1.152 χ^2/NDF: 73.8/52

diff_bpm0l03X_rms vs Slug



Right In: 2640.807+/-0.791 χ^2/NDF: 7928594.9/24

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2752.504+/-0.837 χ^2/NDF: 9331268.7/29

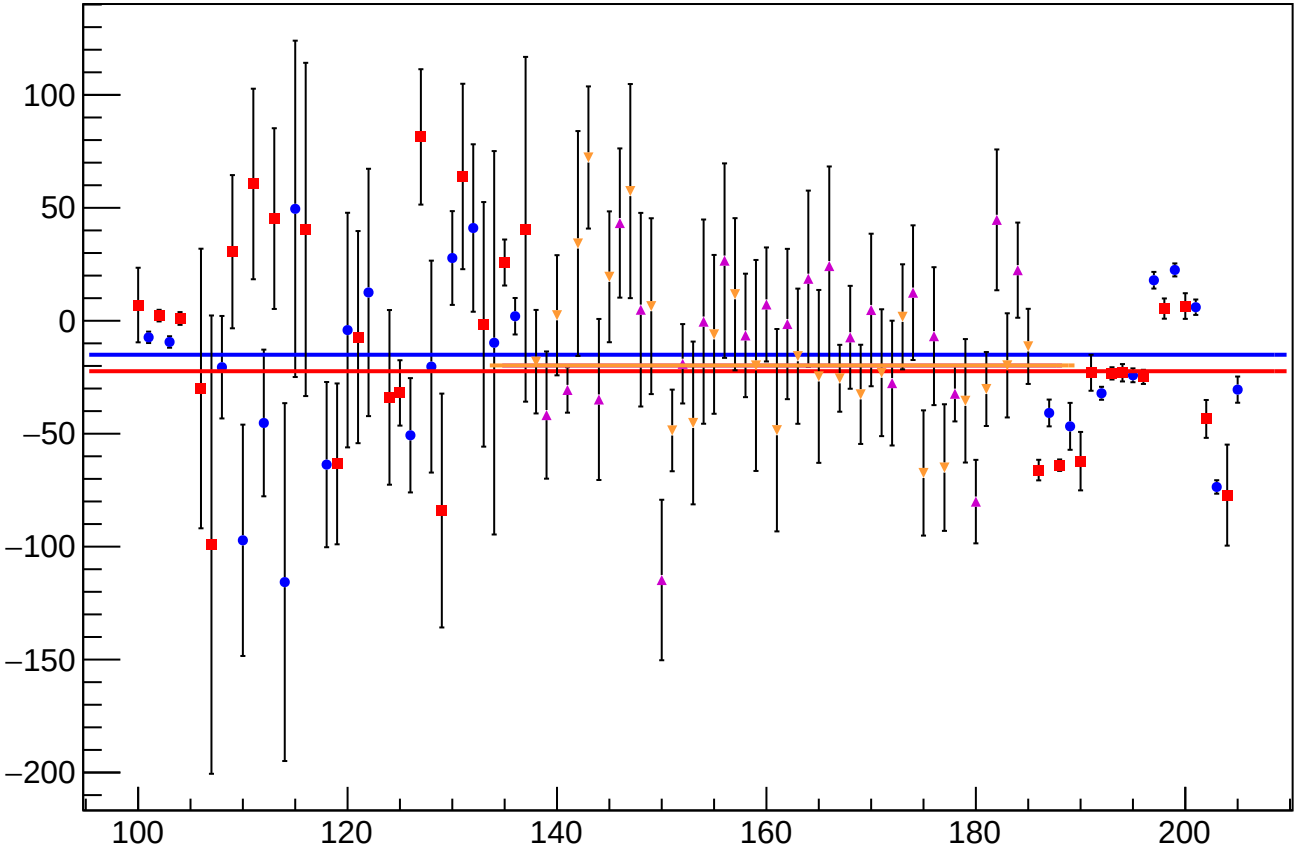
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3370.099+/-0.773 χ^2/NDF: 32386778.9/49

All: 3430.904+/-0.561 χ^2/NDF: 63967296.6/1

- sign 3498.392+/-0.815 χ^2/NDF: 31567476.3/52

diff_bpm0l03Y_mean vs Slug



Right In: -15.042+/-0.988 χ^2/NDF: 786.6/24

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -22.334+/-1.037 χ^2/NDF: 665.9/29

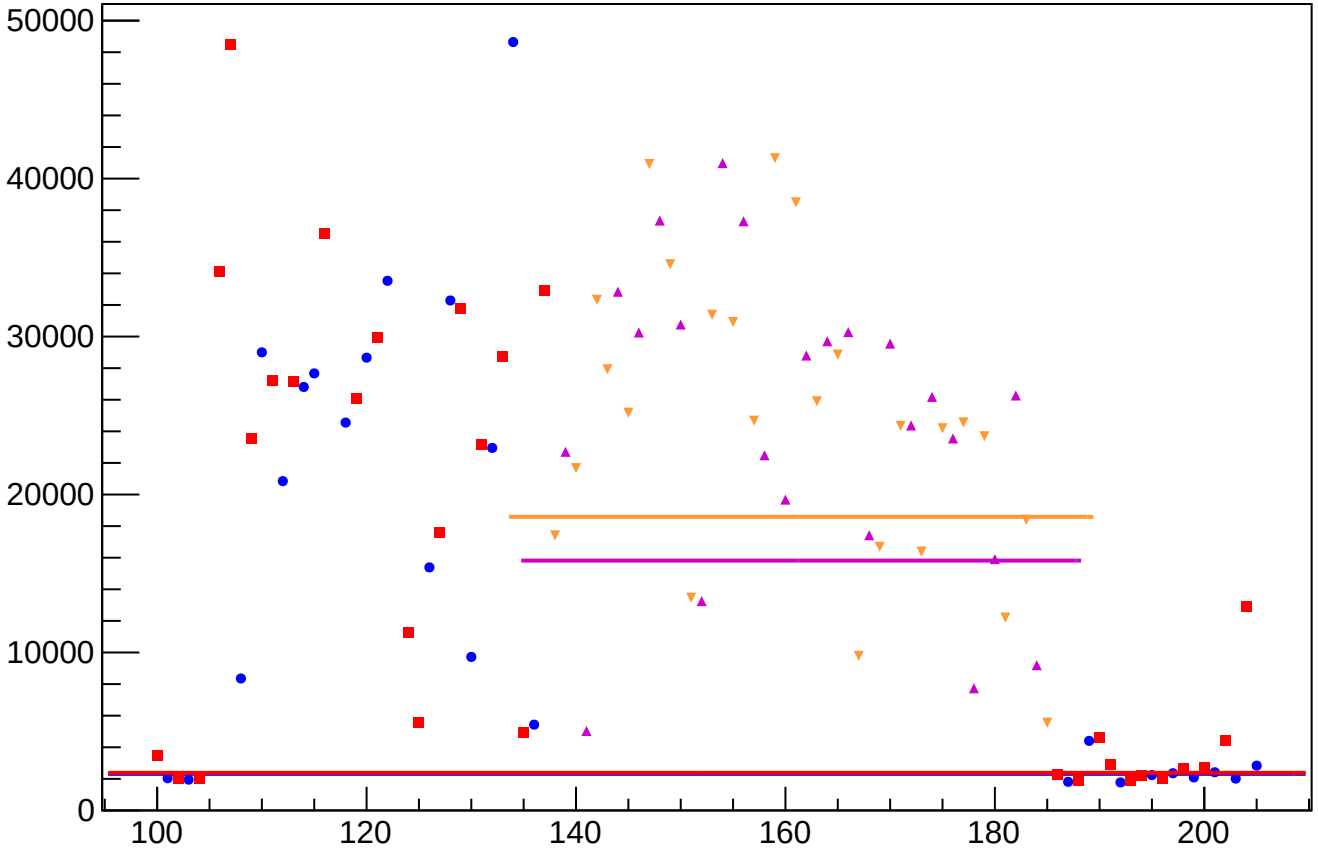
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -15.212+/-0.970 χ^2/NDF: 815.2/49

All: -18.562+/-0.701 χ^2/NDF: 1546.6/102

- sign -22.224+/-1.014 χ^2/NDF: 706.4/52

diff_bpm0l03Y_rms vs Slug



Right In: 2319.057+/-0.699 χ^2/NDF: 7063529.0/24

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2380.691+/-0.733 χ^2/NDF: 8894225.3/29

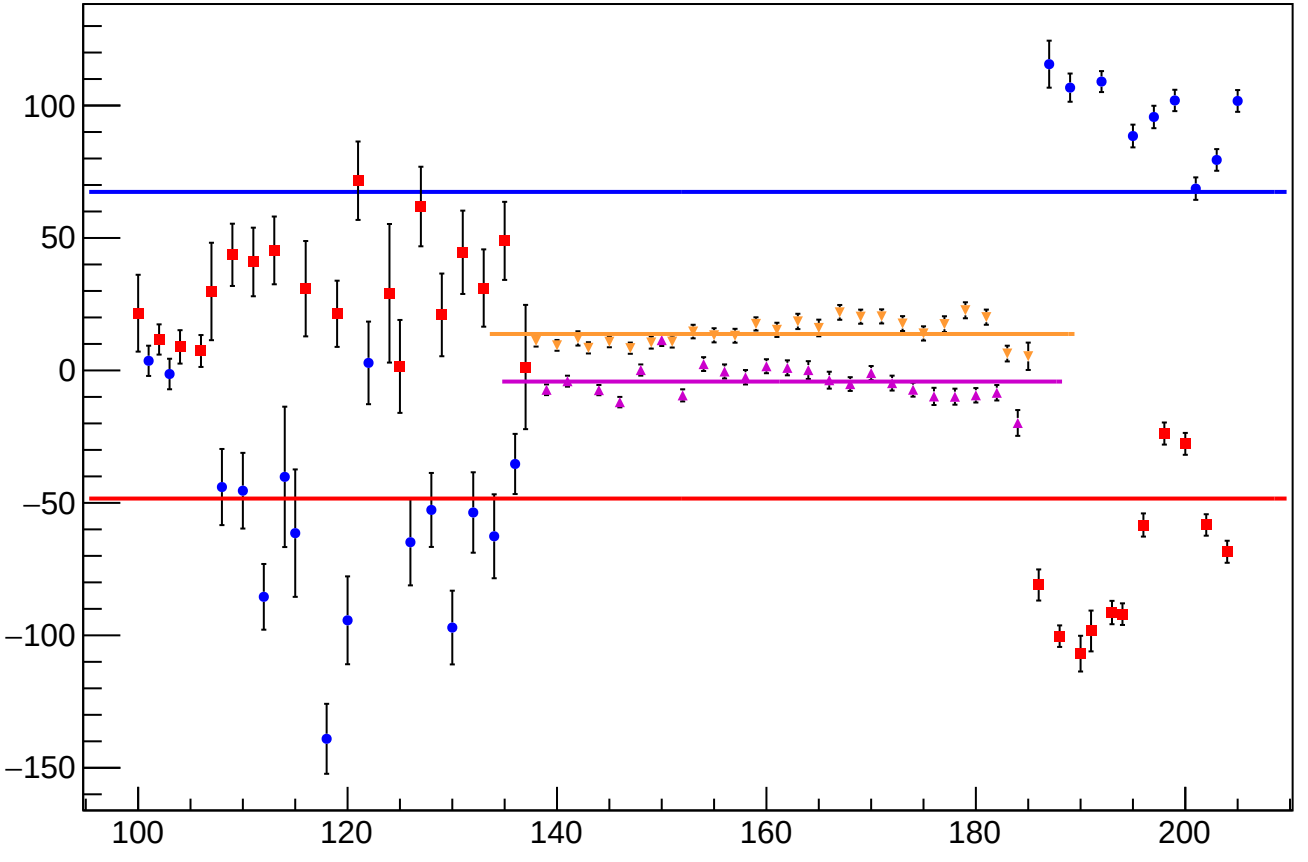
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2903.817+/-0.686 χ^2/NDF: 32257533.0/49

All: 2935.049+/-0.496 χ^2/NDF: 64268823.9/1

- sign 2969.180+/-0.717 χ^2/NDF: 32006952.0/52

diff_bpm0l04X_mean vs Slug



Right In: 67.389+/-1.311 χ^2/NDF: 1850.7/24

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -48.362+/-1.213 χ^2/NDF: 1417.5/29

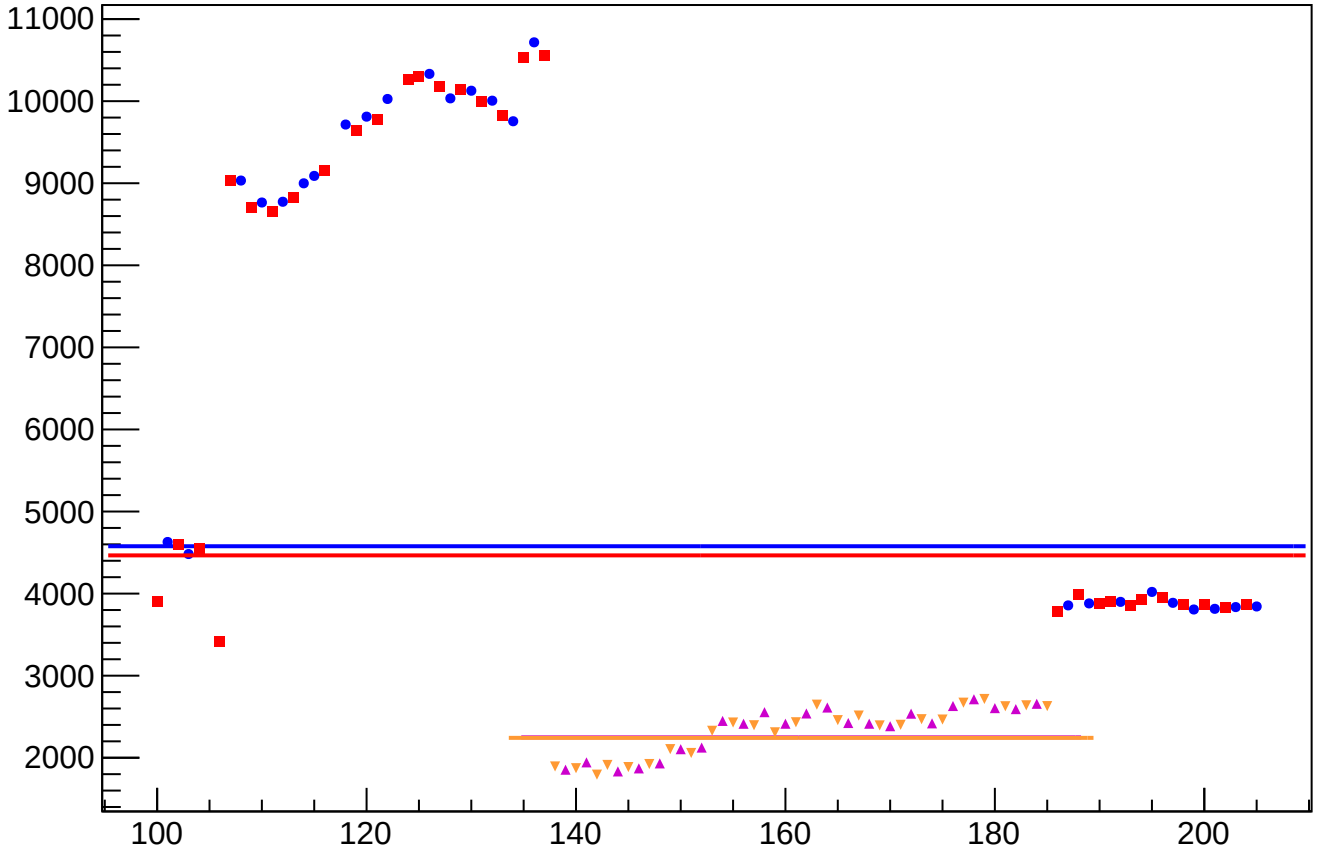
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 20.906+/-0.479 χ^2/NDF: 3378.3/49

All: 5.049+/-0.341 χ^2/NDF: 8262.1/102

- sign -11.286+/-0.486 χ^2/NDF: 2654.7/52

diff_bpm0l04X_rms vs Slug



Right In: 4577.087+/-0.927 χ^2/NDF: 3853406.4/24

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4465.609+/-0.858 χ^2/NDF: 3847705.6/29

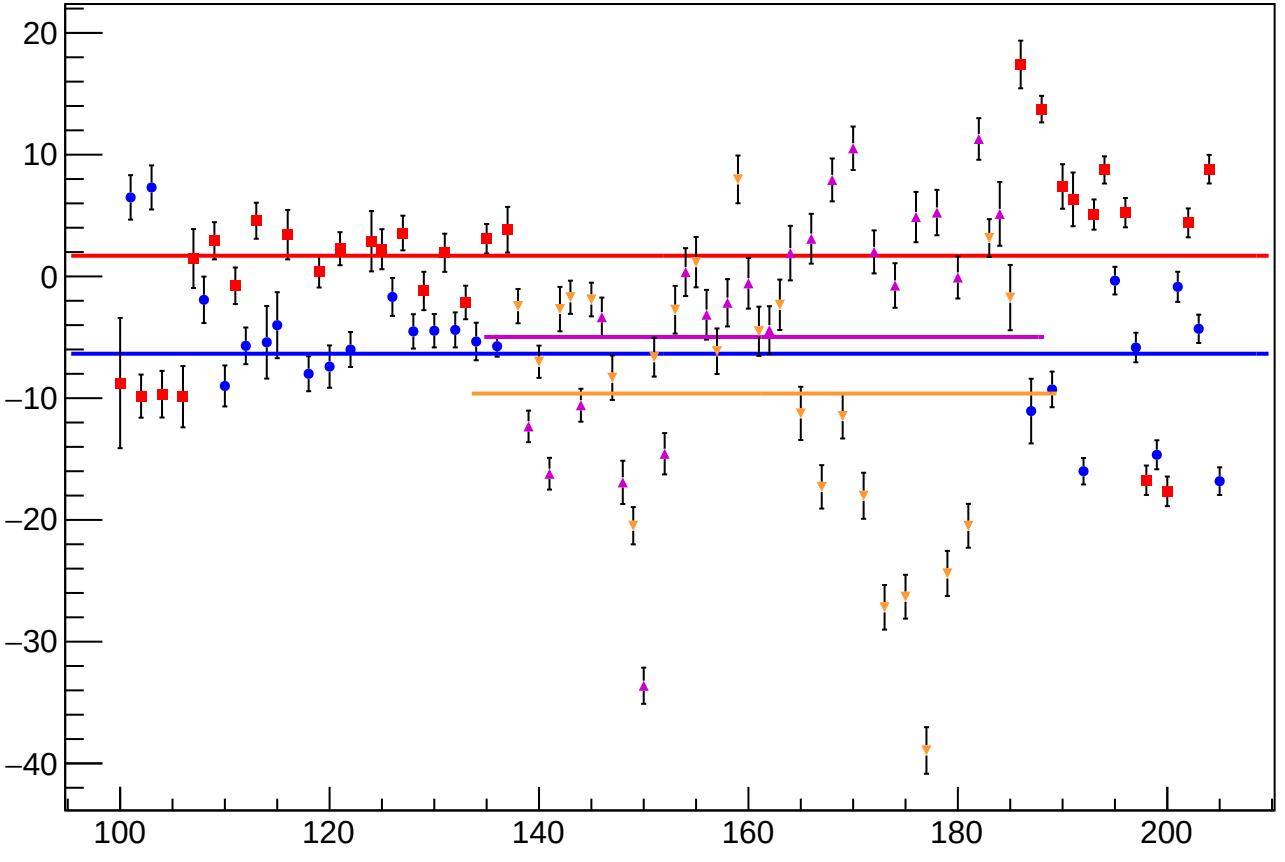
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2553.407+/-0.338 χ^2/NDF: 10009192.8/49

All: 2578.431+/-0.241 χ^2/NDF: 20122502.8/1

- sign 2604.210+/-0.343 χ^2/NDF: 10102206.8/52

diff_bpm0l04Y_mean vs Slug



Right In: -6.349+/-0.280 χ^2/NDF: 402.7/24

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

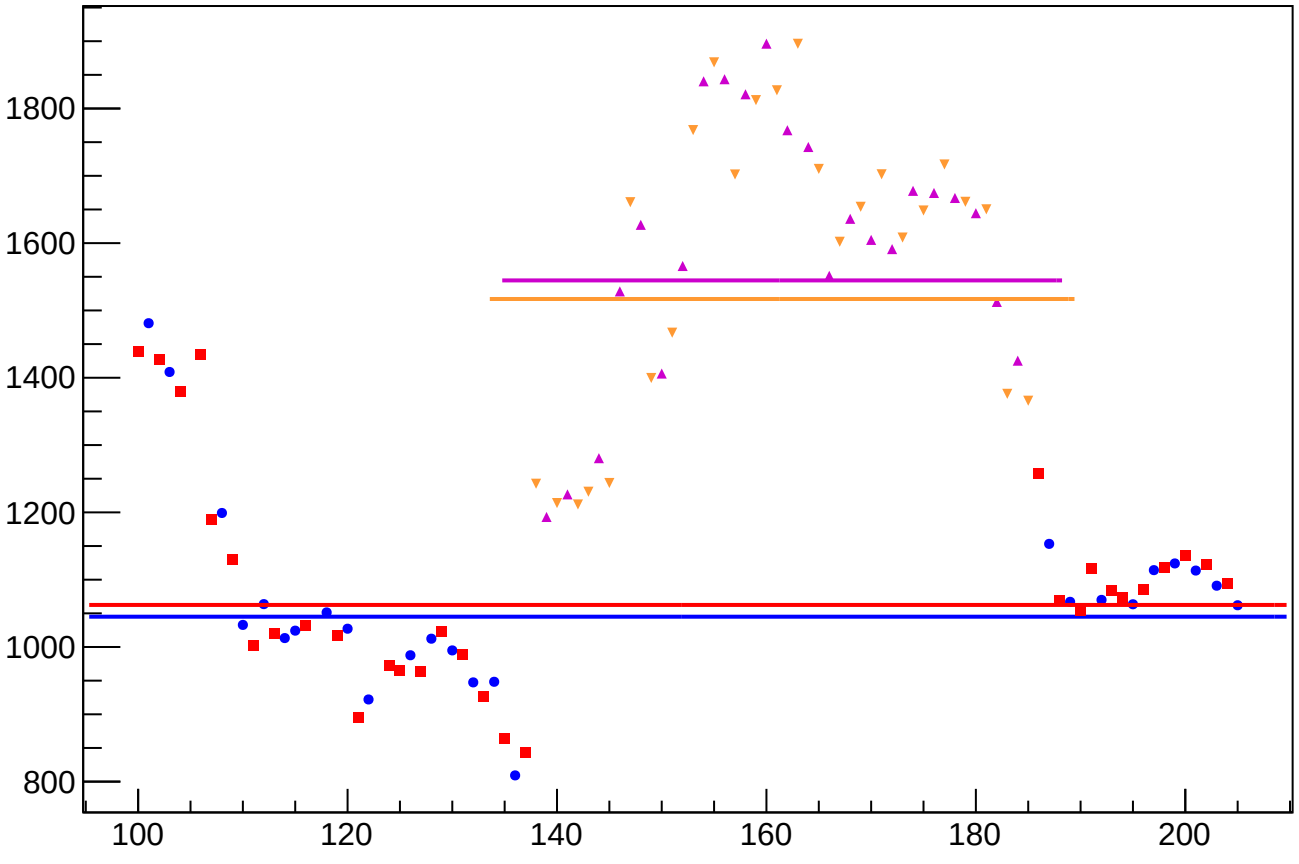
Right Out: 1.699+/-0.272 χ^2/NDF: 912.5/29

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.632+/-0.219 χ^2/NDF: 1390.4/49

All: -4.149+/-0.154 χ^2/NDF: 3954.2/102

- sign -0.686+/-0.218 χ^2/NDF: 2057.5/52



Right In: 1045.015+/-0.198 χ^2/NDF: 428133.9/24

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1062.479+/-0.192 χ^2/NDF: 406111.3/29

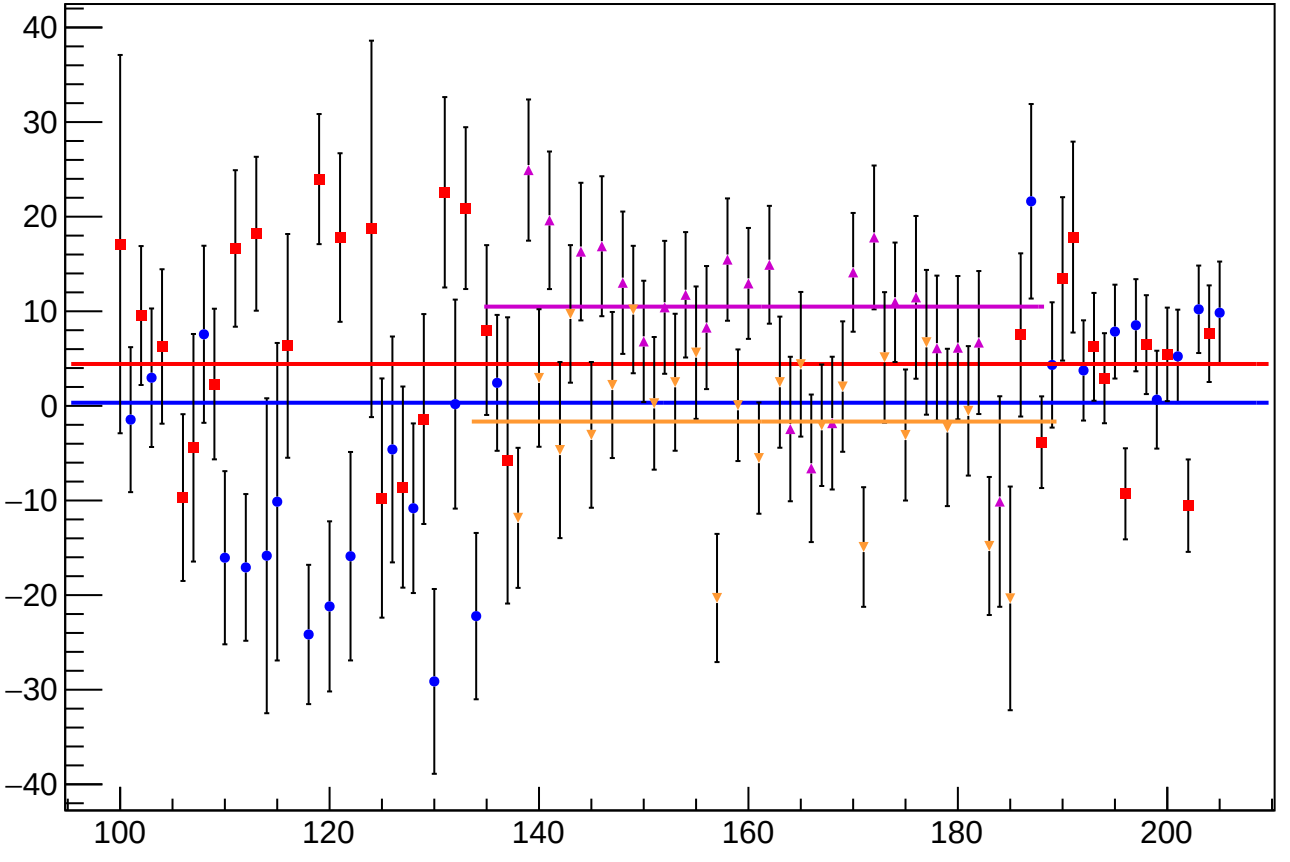
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1230.126+/-0.155 χ^2/NDF: 3483204.3/49

All: 1232.475+/-0.109 χ^2/NDF: 6775584.3/10

- sign 1234.810+/-0.154 χ^2/NDF: 3291919.6/52

diff_bpm0l05X_mean vs Slug



Right In: 0.334+/-1.411 χ^2/NDF: 65.6/24

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

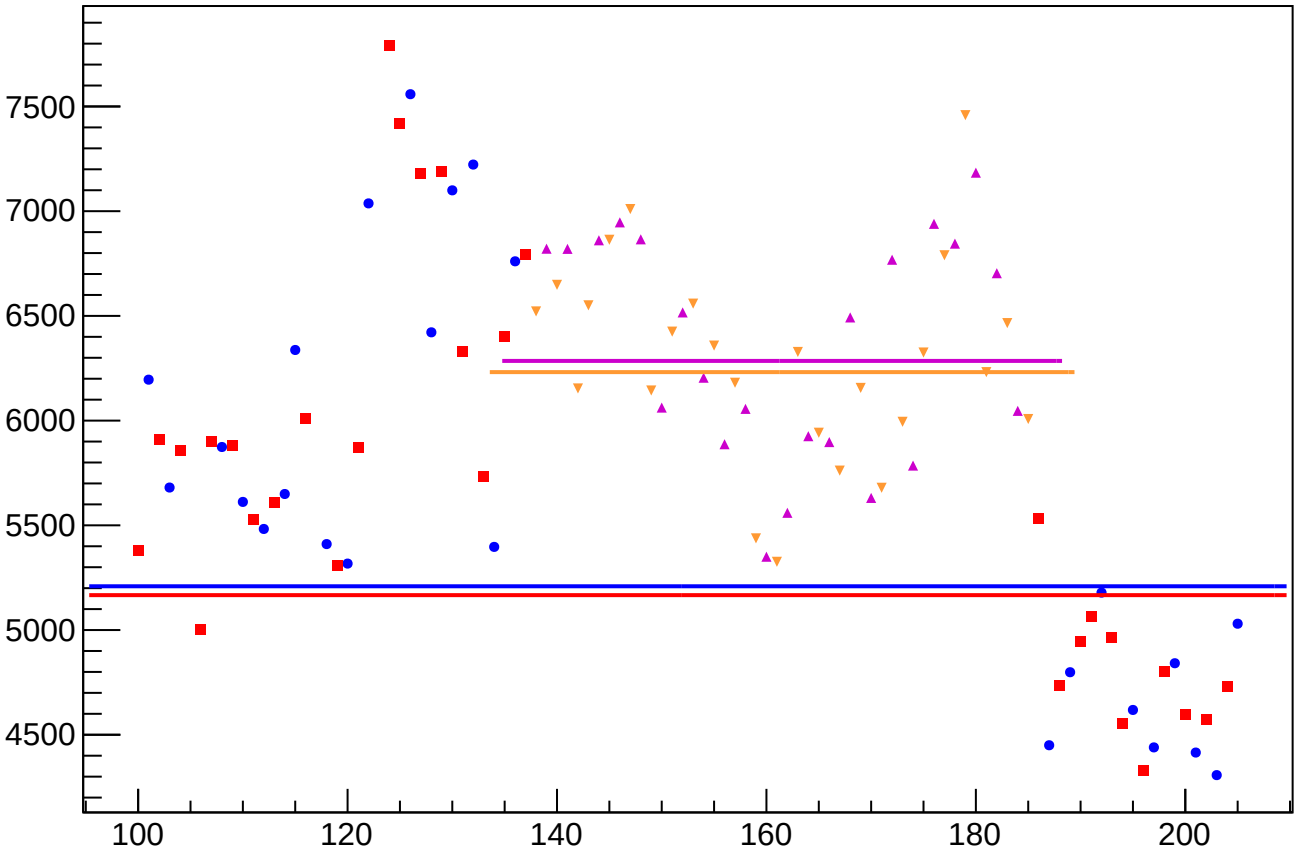
Right Out: 4.430+/-1.332 χ^2/NDF: 54.8/29

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

\+ sign -0.650+/-1.003 χ^2/NDF: 98.1/49

All: 3.298+/-0.705 χ^2/NDF: 217.7/102

\- sign 7.144+/-0.990 χ^2/NDF: 89.0/52



Right In: 5208.986+/-0.998 χ^2/NDF: 711983.7/24

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5166.641+/-0.942 χ^2/NDF: 623439.7/29

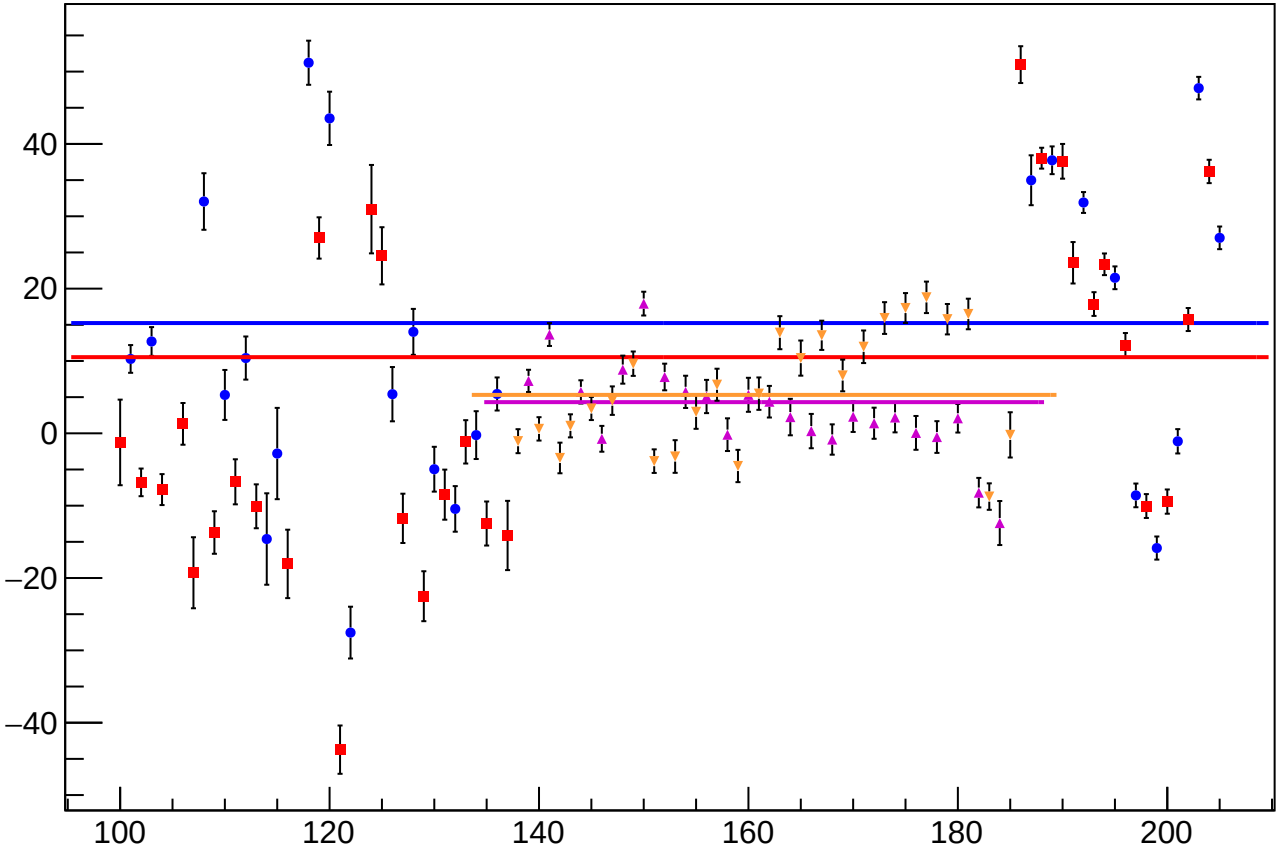
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5714.698+/-0.709 χ^2/NDF: 1458576.9/49

All: 5690.692+/-0.498 χ^2/NDF: 2980732.7/10

- sign 5667.304+/-0.700 χ^2/NDF: 1519894.0/52

diff_bpm0l05Y_mean vs Slug



Right In: 15.242+/-0.450 χ^2/NDF: 2062.1/24

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

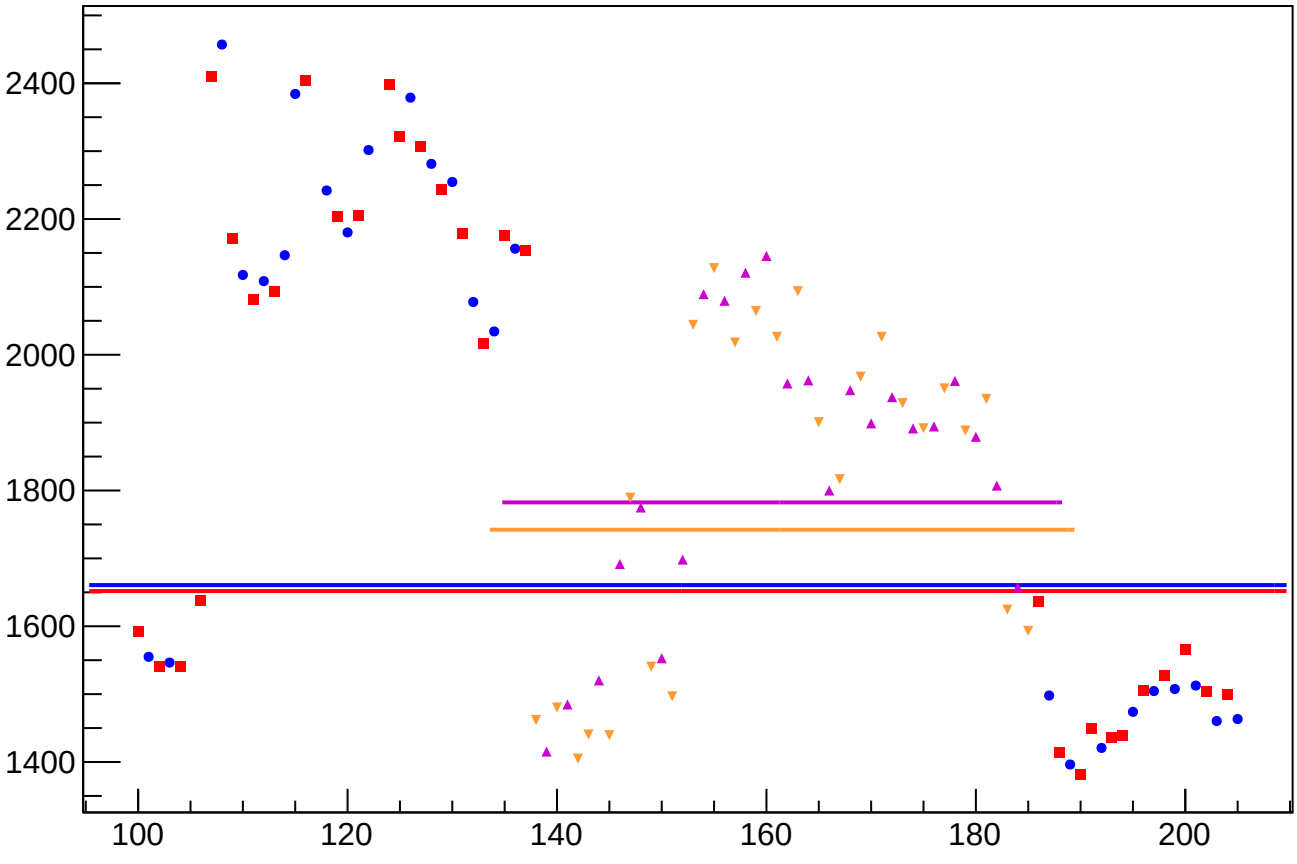
Right Out: 10.529+/-0.427 χ^2/NDF: 2392.4/29

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 9.697+/-0.299 χ^2/NDF: 2711.8/49

All: 8.534+/-0.212 χ^2/NDF: 5462.7/102

- sign 7.369+/-0.299 χ^2/NDF: 2720.6/52



Right In: 1660.644+/-0.318 χ^2/NDF: 1011423.5/24

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1651.852+/-0.302 χ^2/NDF: 992682.4/29

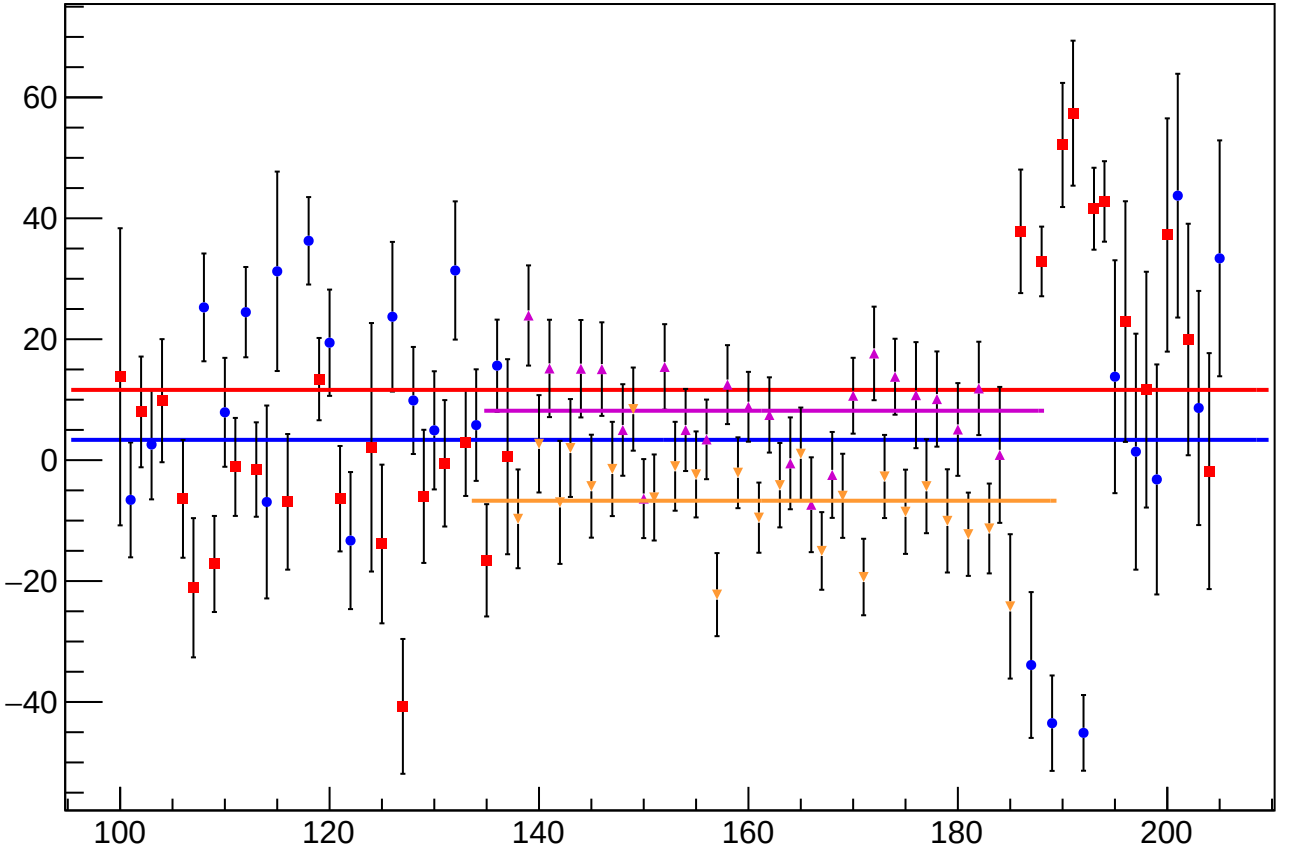
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1706.194+/-0.212 χ^2/NDF: 1815754.9/49

All: 1712.209+/-0.150 χ^2/NDF: 3439592.5/10

- sign 1718.234+/-0.212 χ^2/NDF: 1622219.4/52

diff_bpm0l06X_mean vs Slug



Right In: 3.357+/-2.024 χ^2/NDF: 168.4/24

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.620+/-1.804 χ^2/NDF: 172.4/29

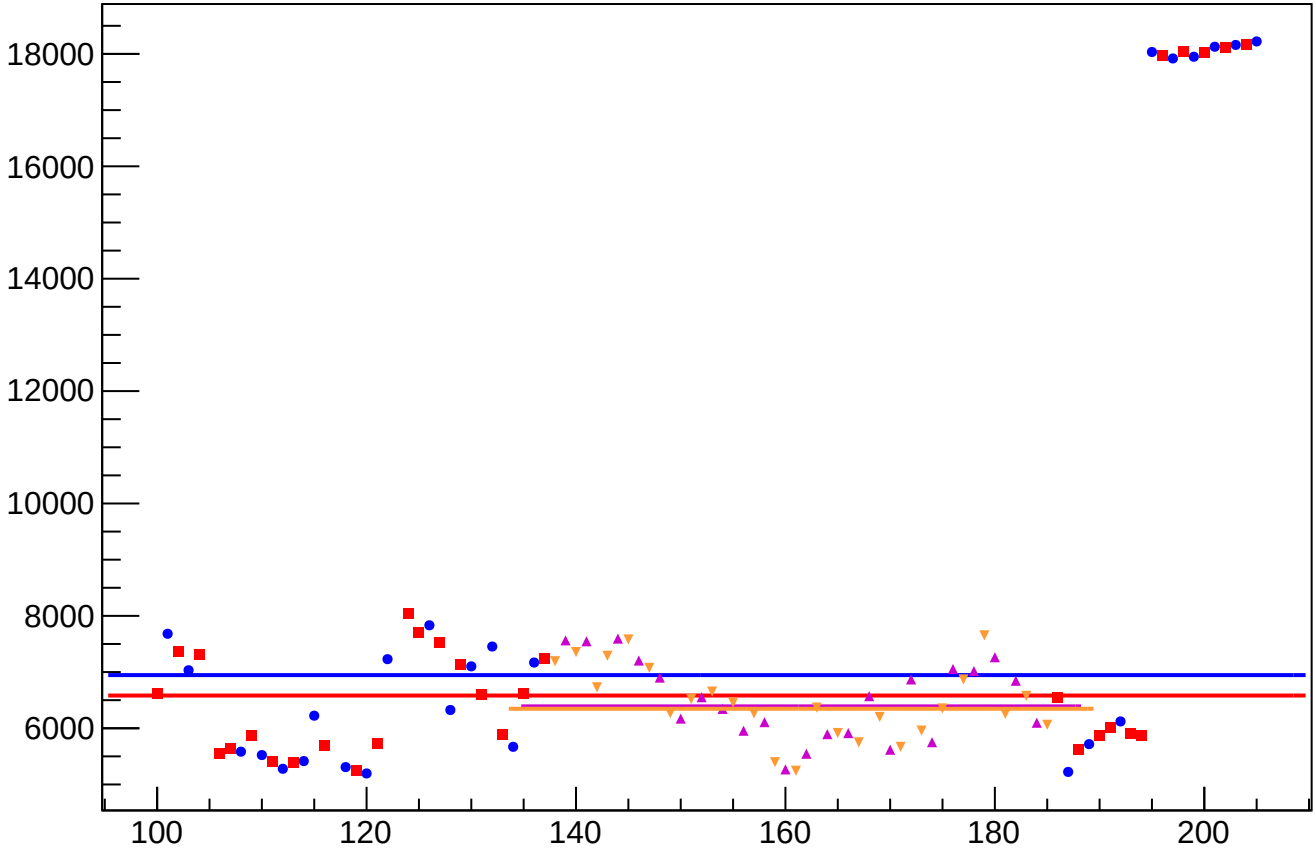
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.273+/-1.183 χ^2/NDF: 210.4/49

All: 3.296+/-0.827 χ^2/NDF: 469.5/102

- sign 9.591+/-1.158 χ^2/NDF: 198.7/52

diff_bpm0l06X_rms vs Slug



Right In: 6946.111+/-1.431 χ^2/NDF: 4520543.9/24

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6582.489+/-1.276 χ^2/NDF: 3924251.7/29

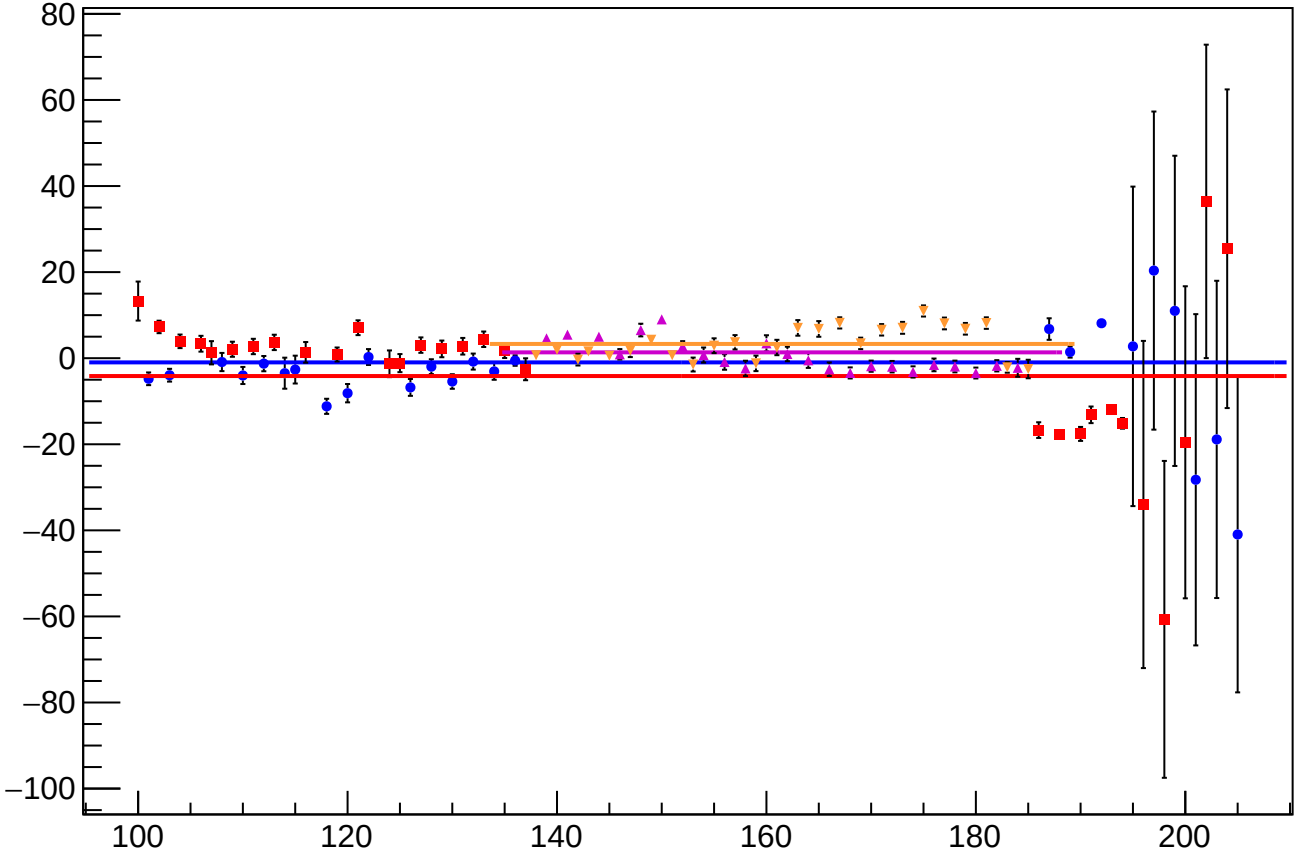
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6551.868+/-0.836 χ^2/NDF: 5021868.3/49

All: 6509.525+/-0.585 χ^2/NDF: 9384362.3/10

- sign 6468.939+/-0.819 χ^2/NDF: 4357474.1/52

diff_bpm0l06Y_mean vs Slug



Right In: -0.975+/-0.386 χ^2/NDF: 181.3/24

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.148+/-0.342 χ^2/NDF: 749.4/29

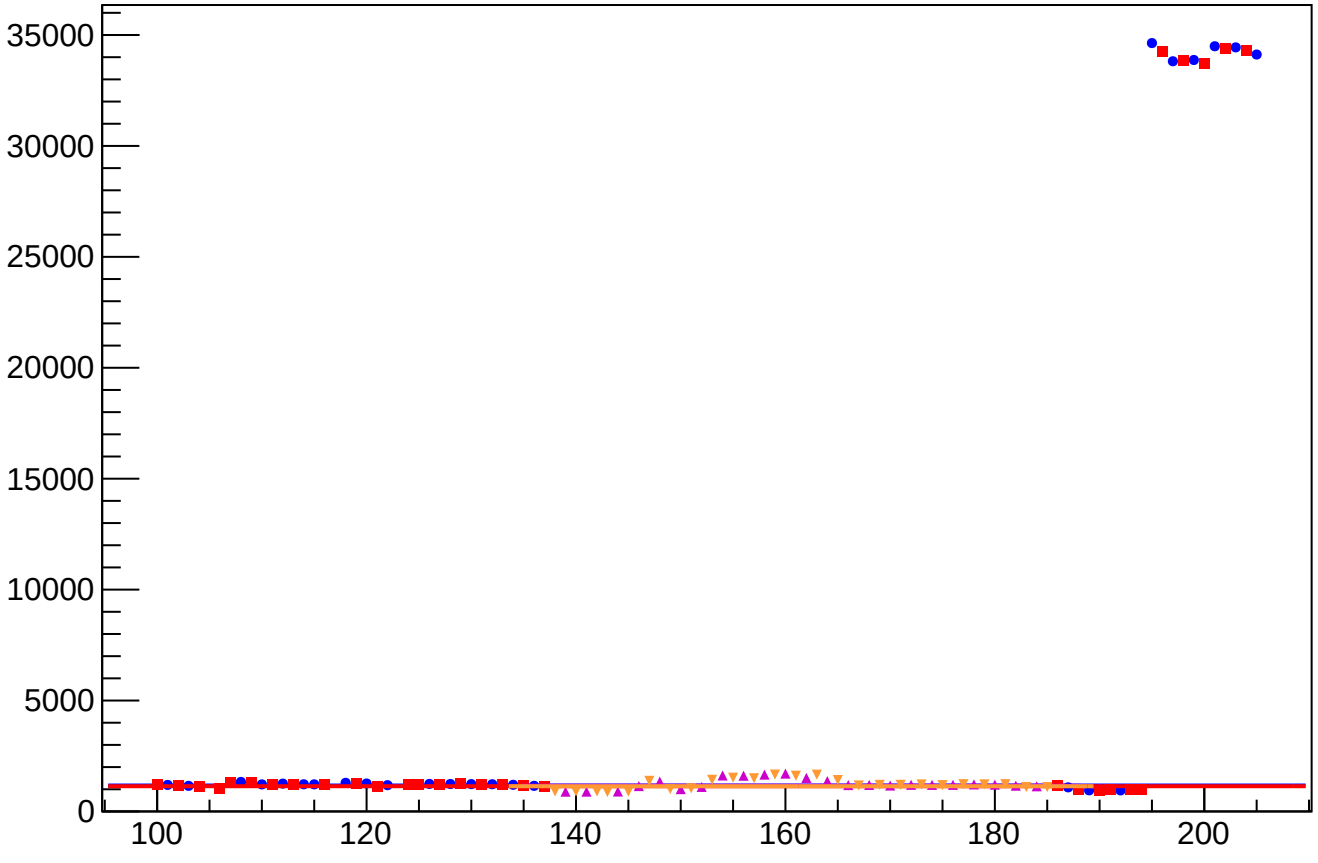
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.942+/-0.218 χ^2/NDF: 443.1/49

All: 0.541+/-0.153 χ^2/NDF: 1626.7/102

- sign -0.822+/-0.215 χ^2/NDF: 1102.2/52

diff_bpm0l06Y_rms vs Slug



Right In: 1169.315+/-0.273 χ^2/NDF: 9782664.3/24

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1137.414+/-0.242 χ^2/NDF: 8207848.1/29

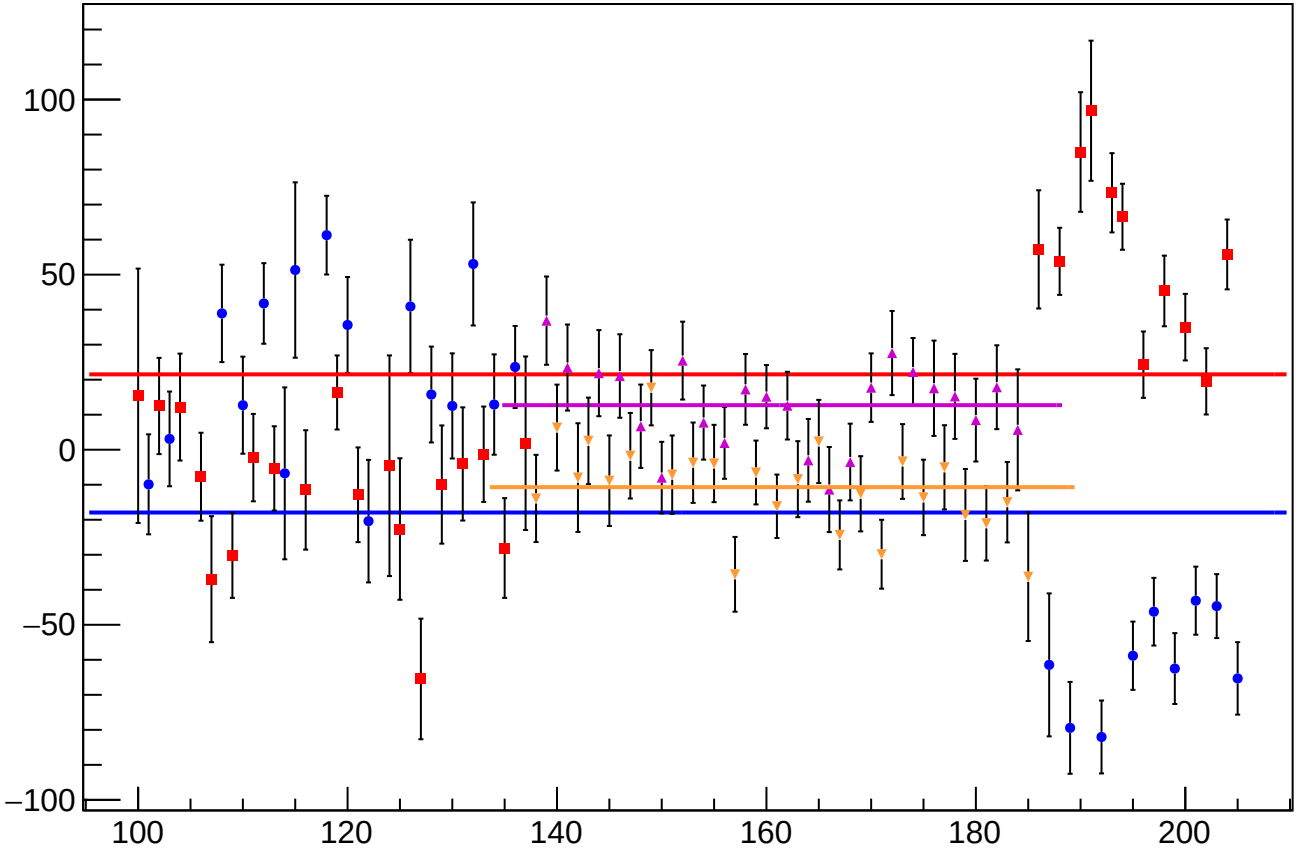
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1147.426+/-0.154 χ^2/NDF: 11261803.6/49

All: 1149.098+/-0.108 χ^2/NDF: 20734686.8/1

- sign 1150.724+/-0.152 χ^2/NDF: 9472651.5/52

diff_bpm0l07X_mean vs Slug



Right In: -17.935+/-2.529 χ^2/NDF: 323.5/24

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 21.521+/-2.380 χ^2/NDF: 213.6/29

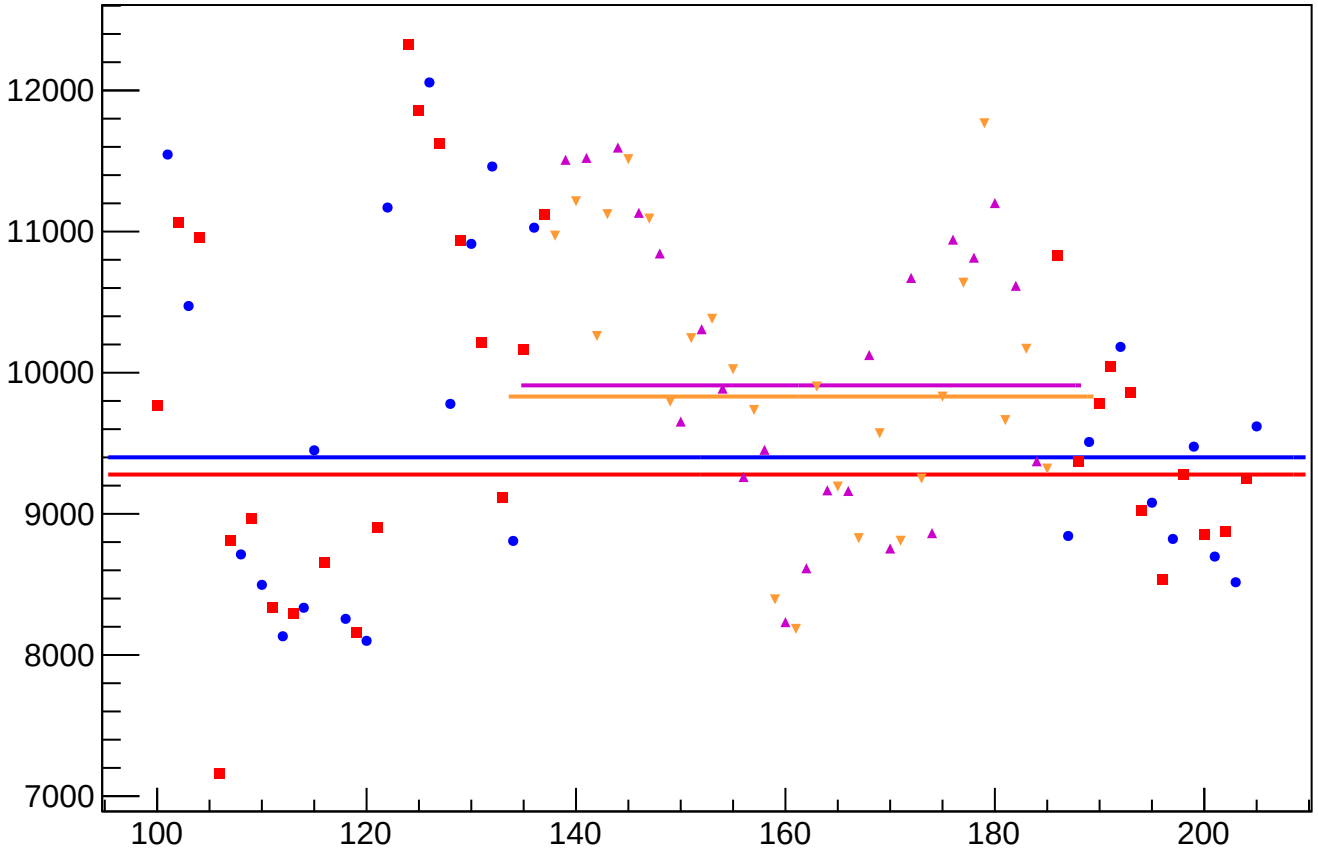
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -13.906+/-1.684 χ^2/NDF: 356.8/49

All: 1.709+/-1.185 χ^2/NDF: 771.8/102

- sign 17.046+/-1.669 χ^2/NDF: 244.6/52

diff_bpm0l07X_rms vs Slug



Right In: 9400.672+/-1.788 χ^2/NDF: 341043.2/24

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9278.575+/-1.683 χ^2/NDF: 351220.7/29

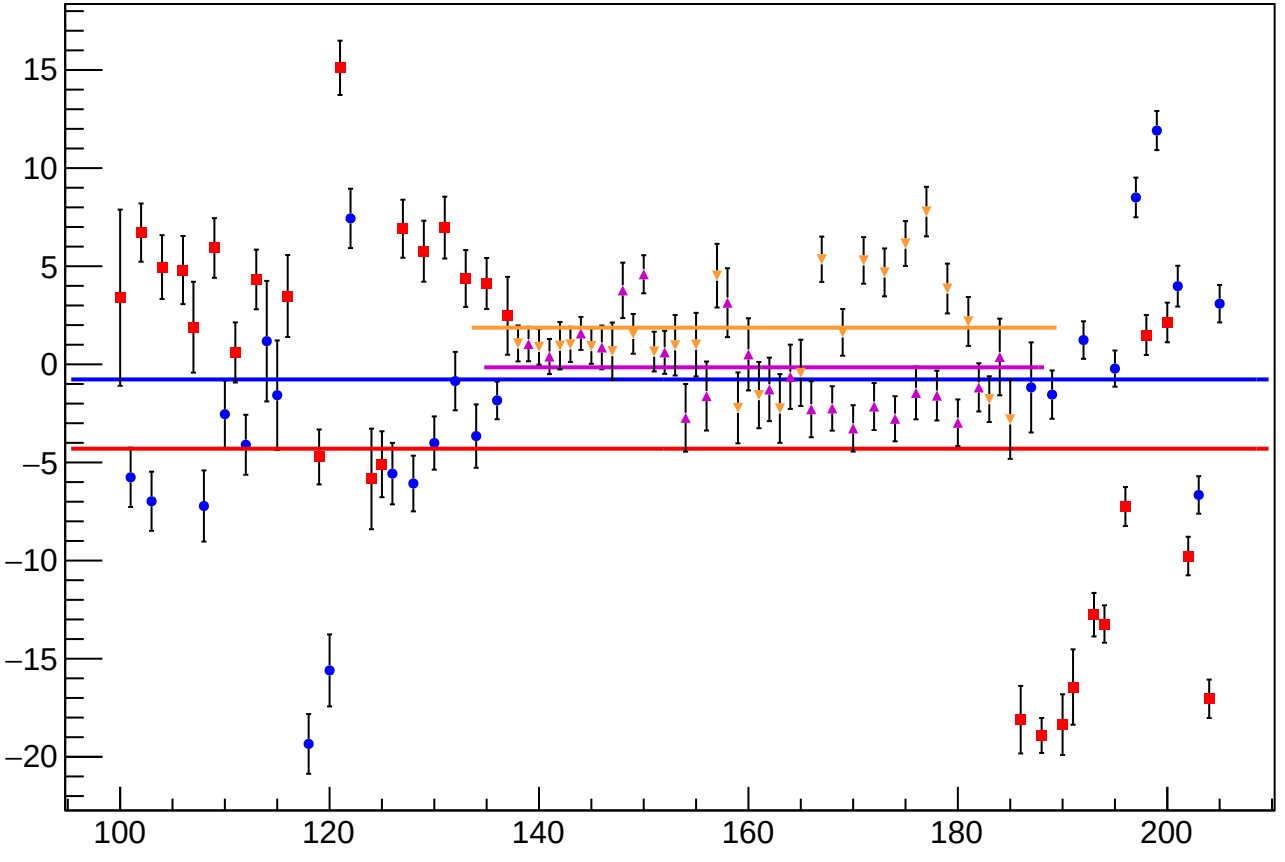
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9640.380+/-1.191 χ^2/NDF: 729440.6/49

All: 9619.876+/-0.838 χ^2/NDF: 1542223.8/10

- sign 9599.737+/-1.180 χ^2/NDF: 812195.6/52

diff_bpm0l07Y_mean vs Slug



Right In: -0.769+/-0.259 χ^2/NDF: 650.5/24

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -4.299+/-0.248 χ^2/NDF: 1550.3/29

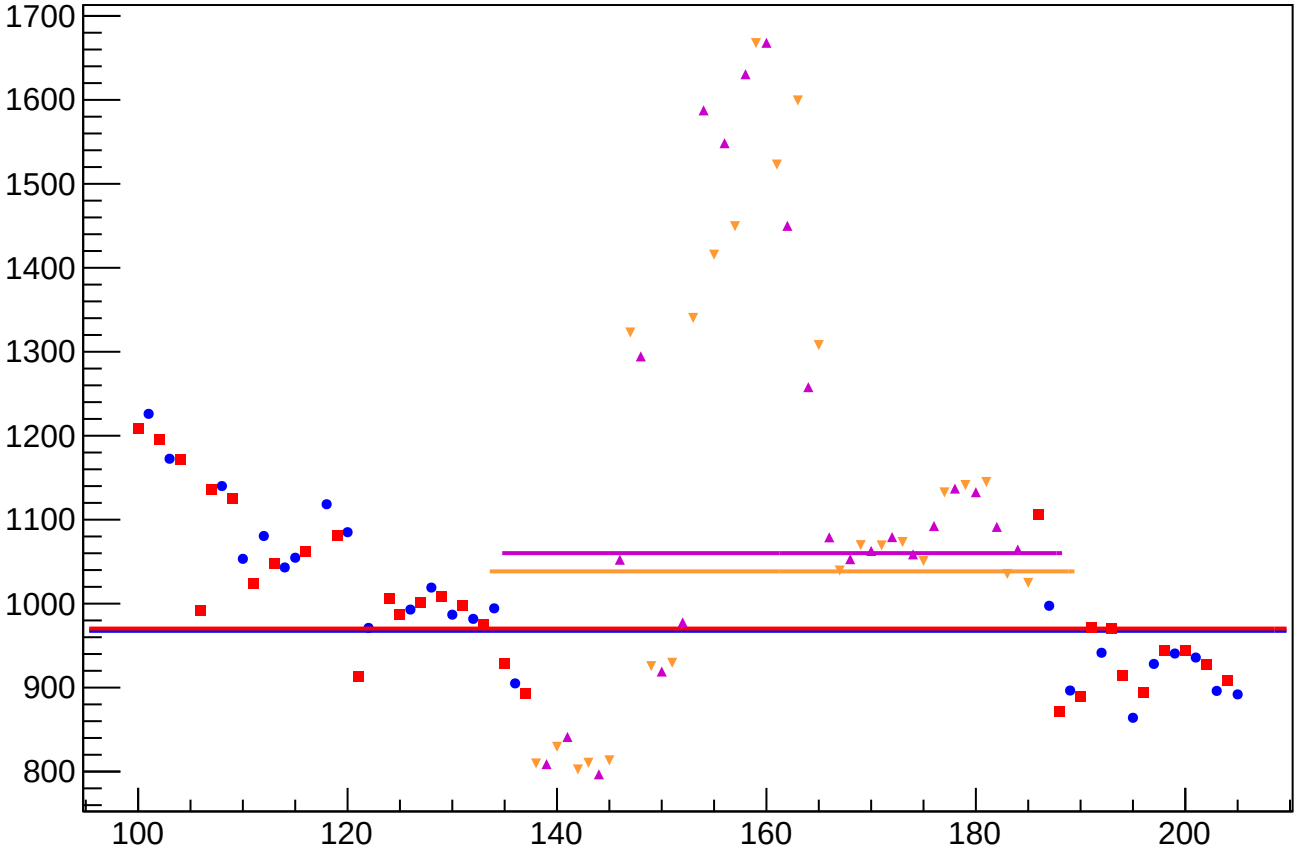
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.635+/-0.177 χ^2/NDF: 809.0/49

All: -0.820+/-0.125 χ^2/NDF: 2706.8/102

- sign -2.282+/-0.177 χ^2/NDF: 1762.4/52

diff_bpm0l07Y_rms vs Slug



Right In: 967.657+/-0.183 χ^2/NDF: 237095.6/24

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 970.314+/-0.175 χ^2/NDF: 225238.4/29

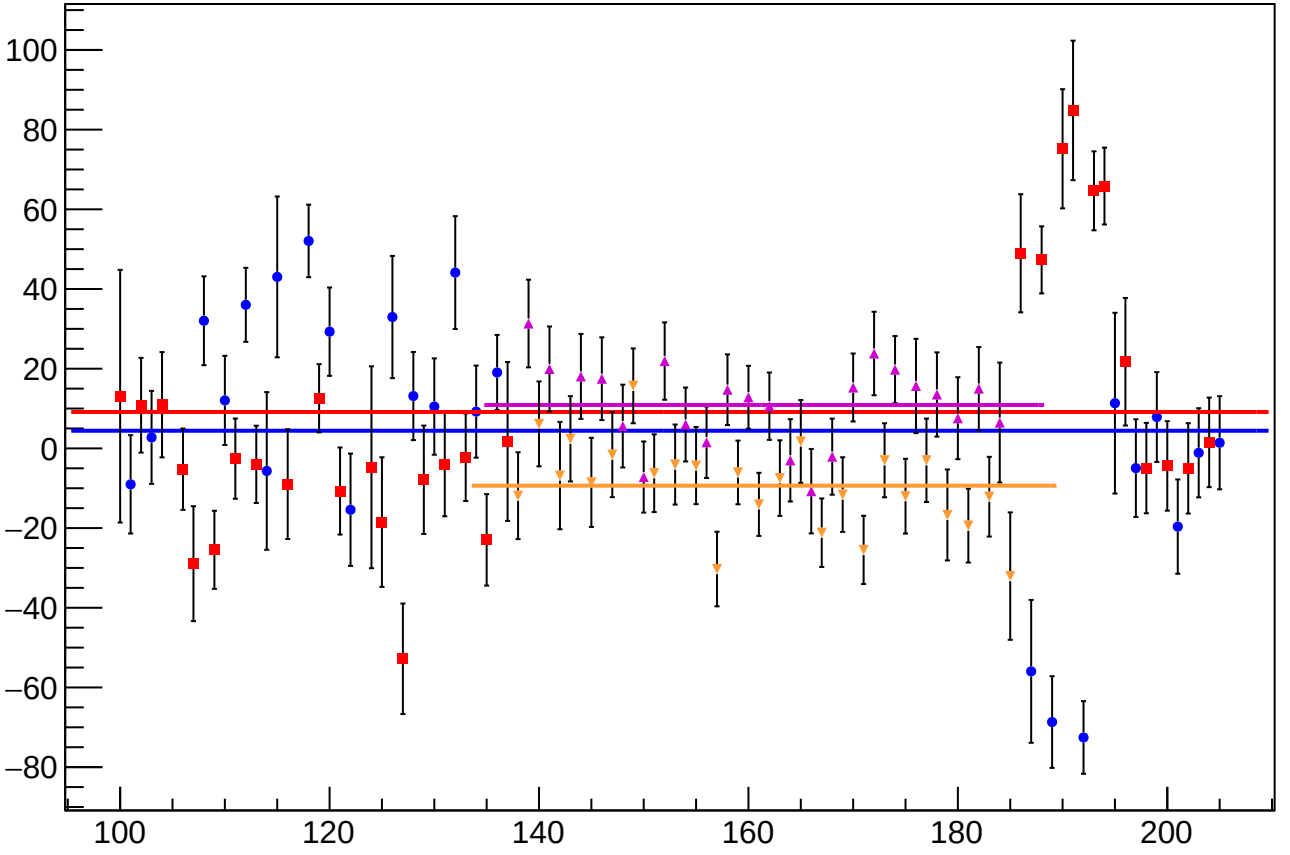
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1005.295+/-0.125 χ^2/NDF: 2023350.7/49

All: 1009.639+/-0.089 χ^2/NDF: 3902296.6/10

- sign 1014.006+/-0.125 χ^2/NDF: 1876530.0/52

diff_bpm0l08X_mean vs Slug



Right In: 4.431+/-2.381 χ^2/NDF: 200.7/24

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

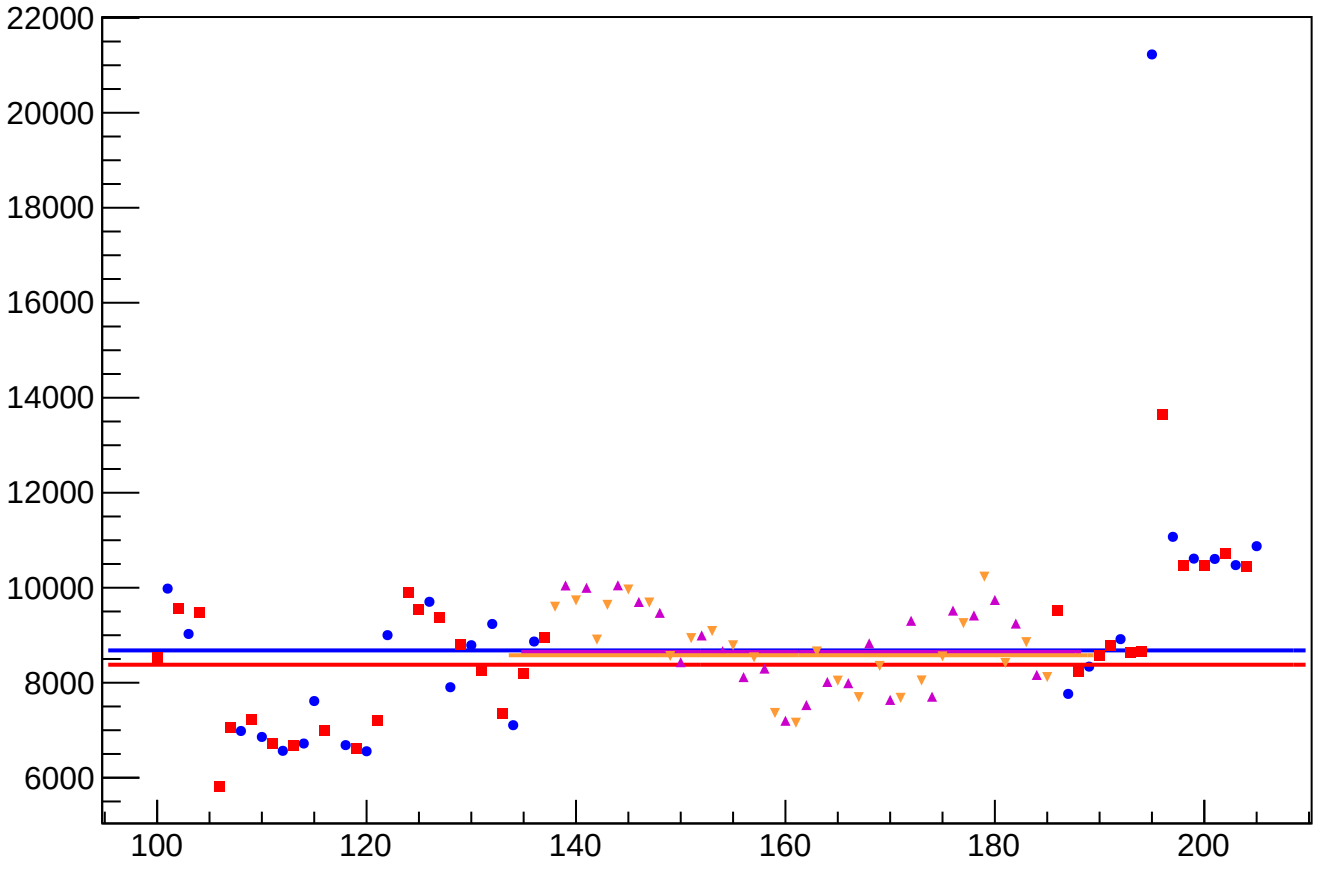
Right Out: 9.142+/-2.186 χ^2/NDF: 202.1/29

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.756+/-1.517 χ^2/NDF: 249.1/49

All: 3.275+/-1.064 χ^2/NDF: 517.4/102

- sign 10.076+/-1.492 χ^2/NDF: 226.0/52



Right In: 8680.352+/-1.684 χ^2/NDF: 1412212.2/24

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8378.900+/-1.546 χ^2/NDF: 1020133.6/29

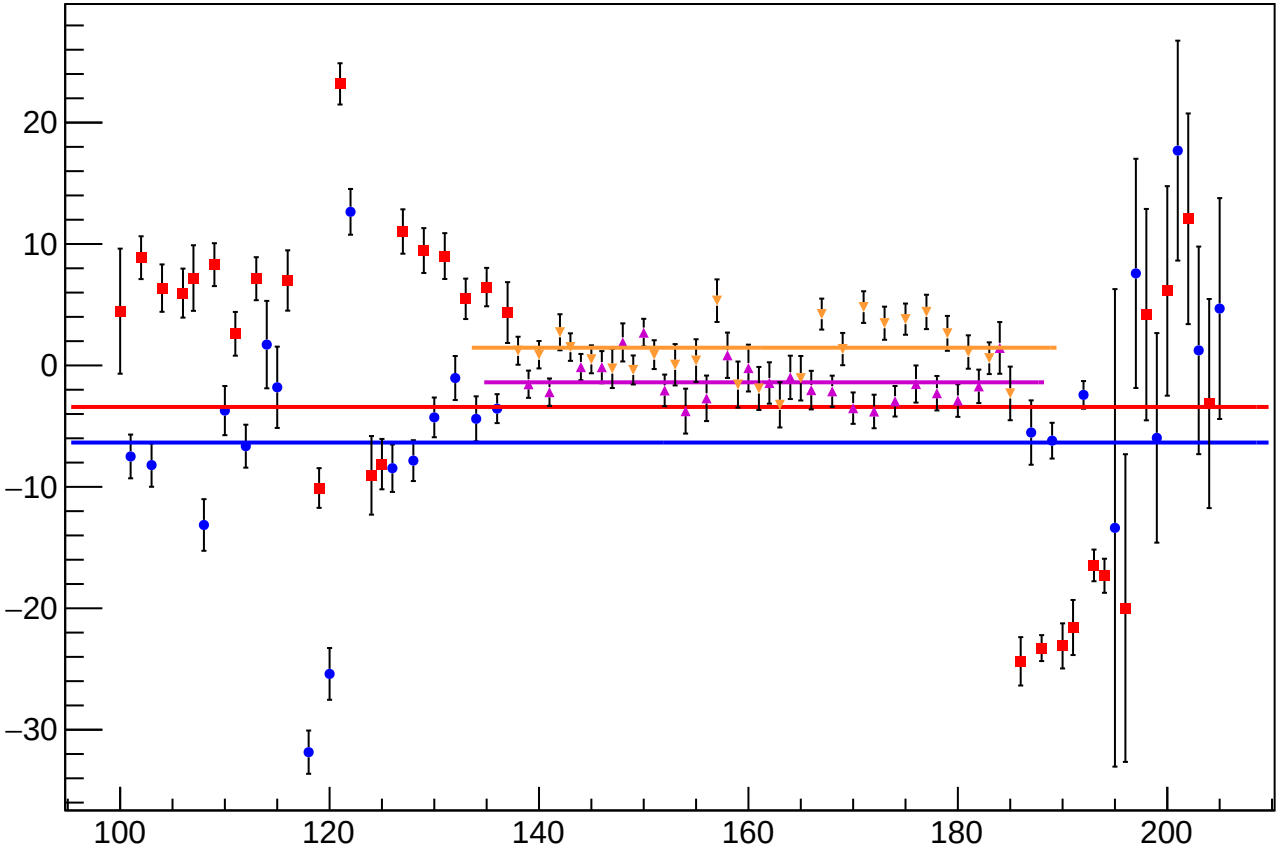
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8619.806+/-1.073 χ^2/NDF: 1758111.0/49

All: 8570.717+/-0.752 χ^2/NDF: 3176623.4/10

- sign 8523.233+/-1.055 χ^2/NDF: 1414395.0/52

diff_bpm0l08Y_mean vs Slug



Right In: -6.350+/-0.404 χ^2/NDF: 449.1/24

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.419+/-0.360 χ^2/NDF: 1561.1/29

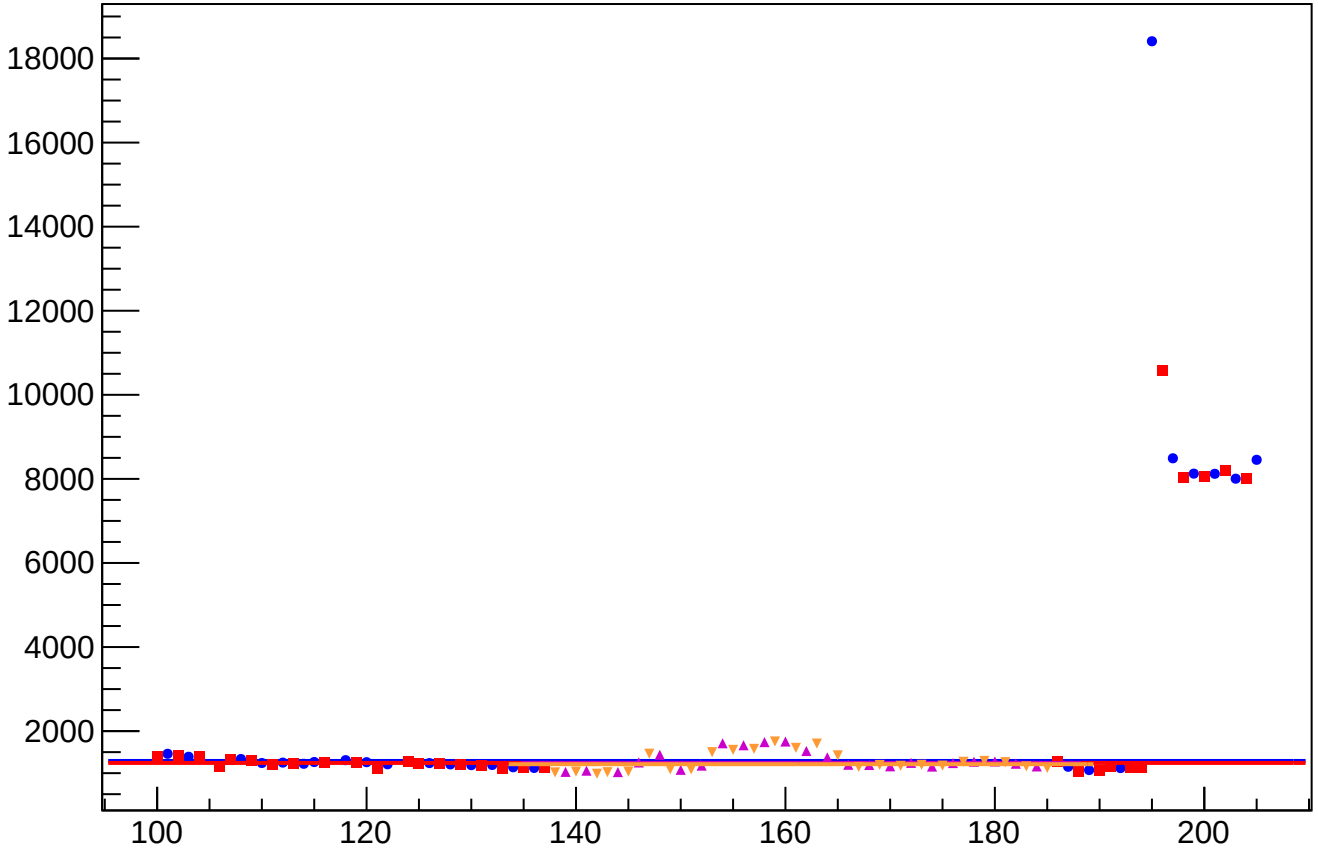
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.078+/-0.230 χ^2/NDF: 752.1/49

All: -1.647+/-0.162 χ^2/NDF: 2379.9/102

- sign -2.203+/-0.228 χ^2/NDF: 1615.7/52

diff_bpm0l08Y_rms vs Slug



Right In: 1289.845+/-0.286 χ^2/NDF: 7744532.6/24

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1243.501+/-0.254 χ^2/NDF: 6263830.4/29

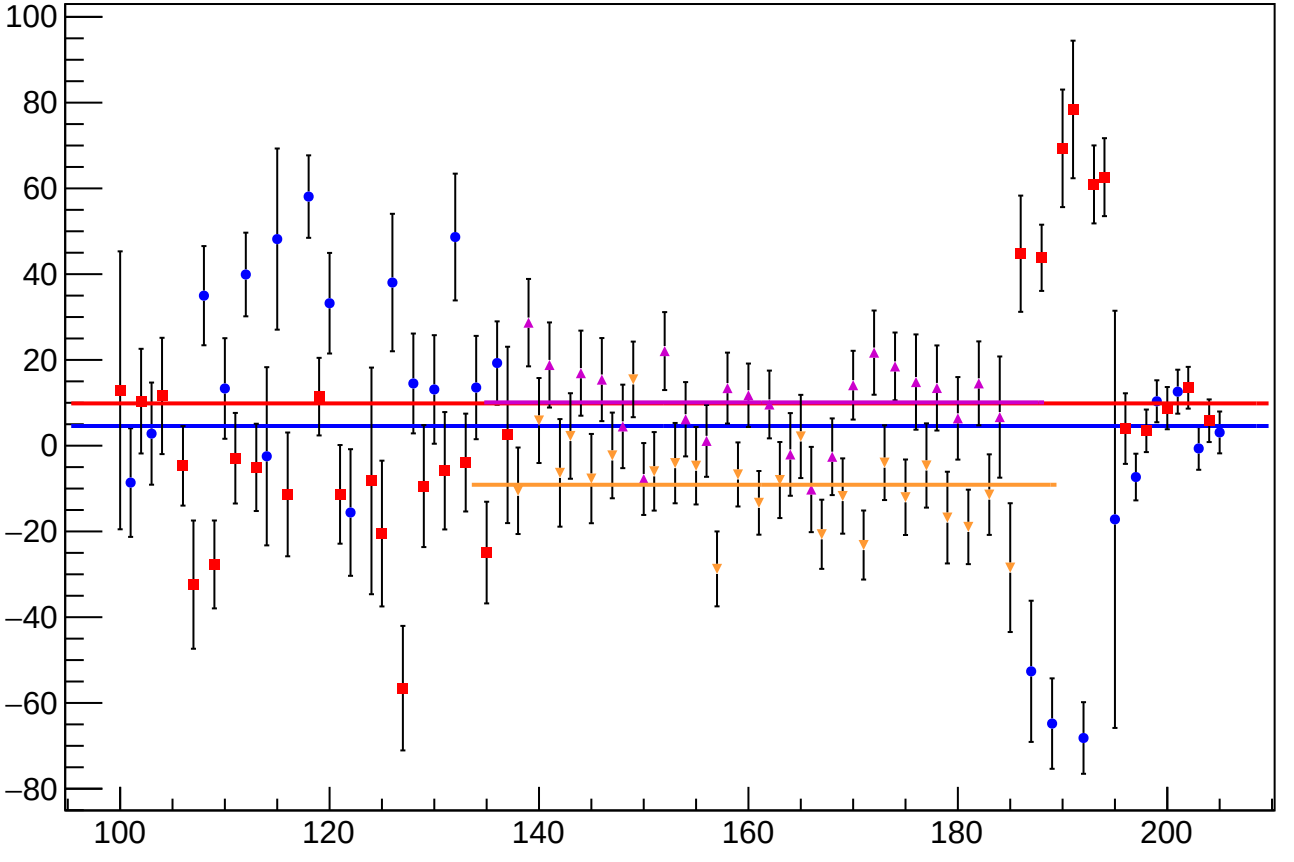
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1238.153+/-0.163 χ^2/NDF: 8805740.8/49

All: 1239.547+/-0.115 χ^2/NDF: 15955485.7/1

- sign 1240.908+/-0.161 χ^2/NDF: 7149600.4/52

diff_bpm0l09X_mean vs Slug



Right In: 4.589+/-1.744 χ^2/NDF: 223.4/24

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 9.858+/-1.681 χ^2/NDF: 202.8/29

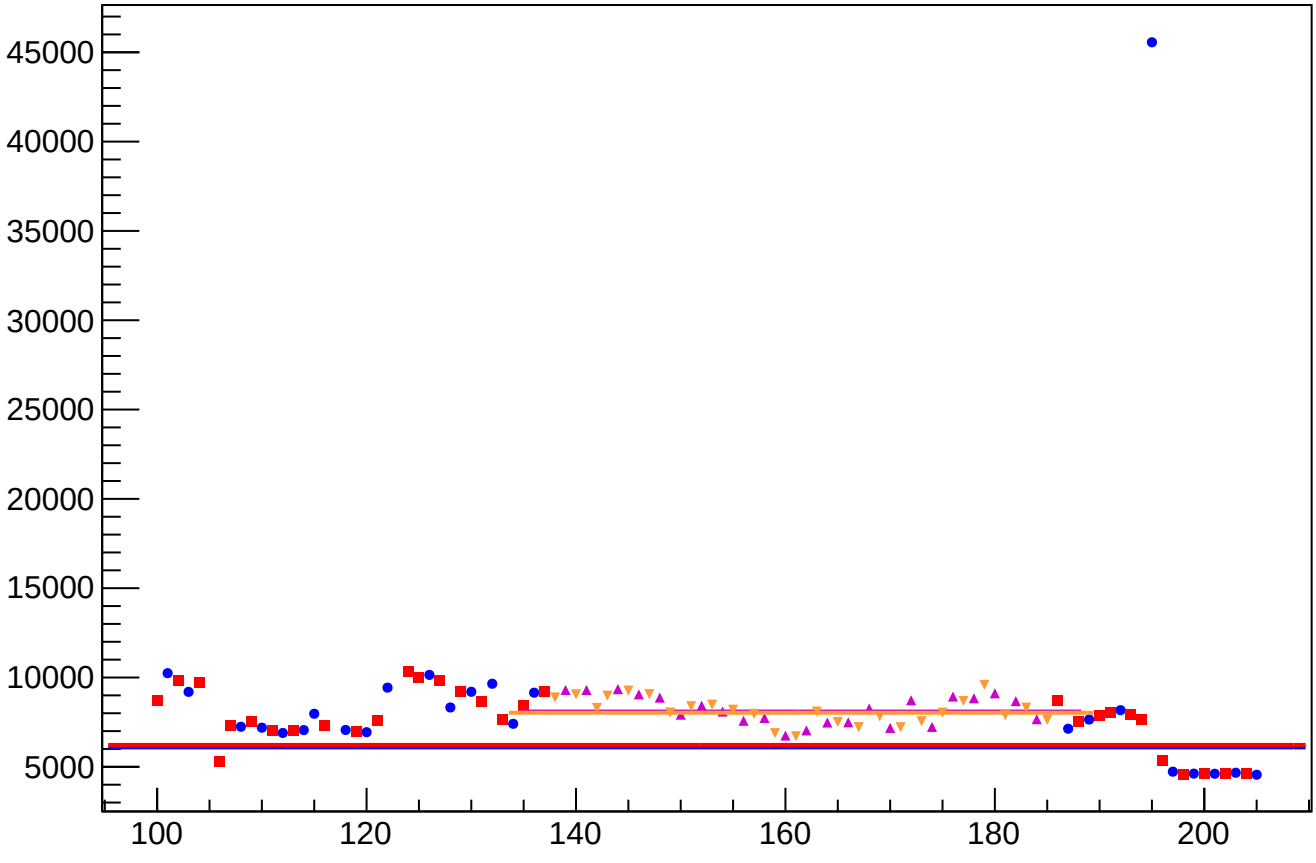
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -1.888+/-1.267 χ^2/NDF: 281.3/49

All: 4.057+/-0.894 χ^2/NDF: 552.3/102

- sign 9.961+/-1.262 χ^2/NDF: 227.1/52

diff_bpm0l09X_rms vs Slug



Right In: 6089.403+/-1.233 χ^2/NDF: 3541242.8/24

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6226.028+/-1.189 χ^2/NDF: 2208283.6/29

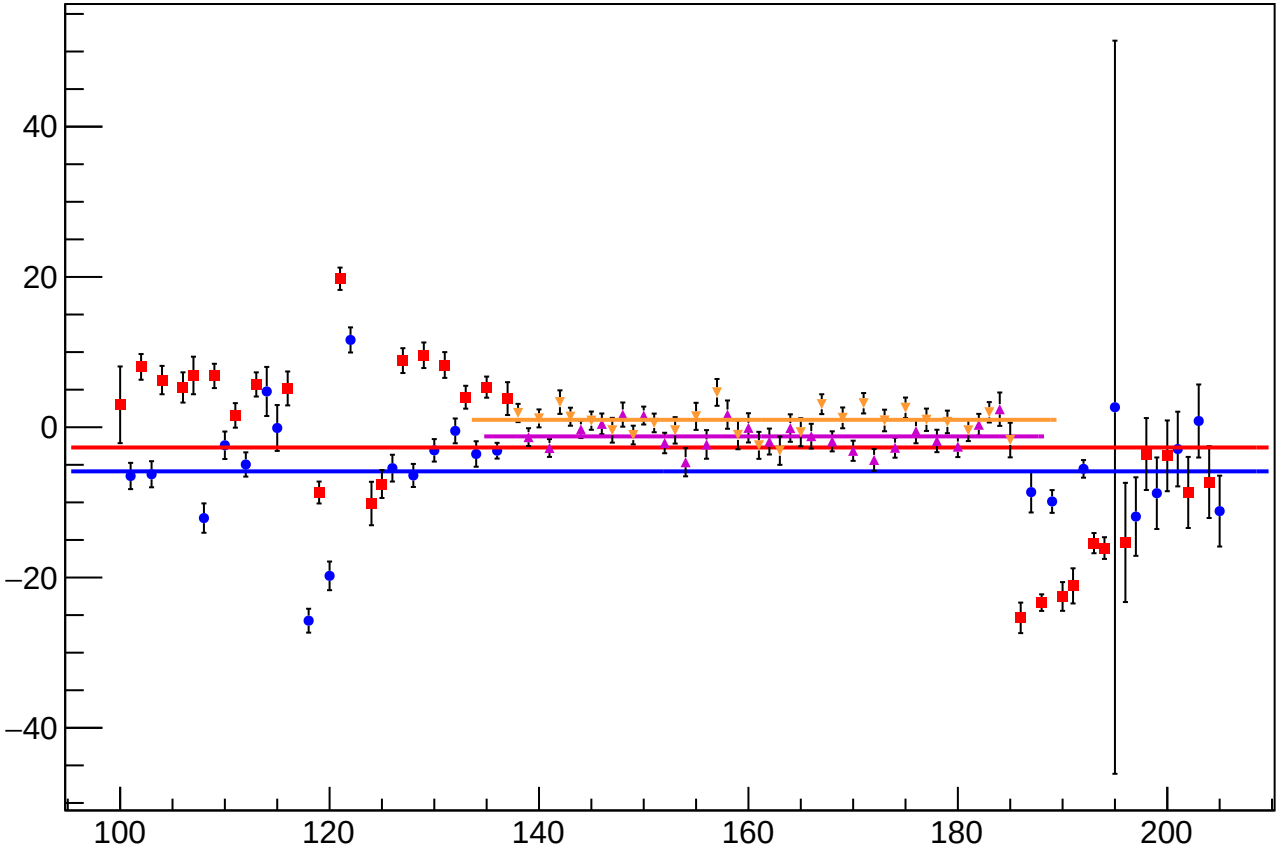
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7005.687+/-0.896 χ^2/NDF: 5041430.4/49

All: 7023.635+/-0.632 χ^2/NDF: 8696607.2/10

- sign 7041.459+/-0.893 χ^2/NDF: 3654376.5/52

diff_bpm0l09Y_mean vs Slug



Right In: -5.871+/-0.374 χ^2/NDF: 383.9/24

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.693+/-0.339 χ^2/NDF: 1461.3/29

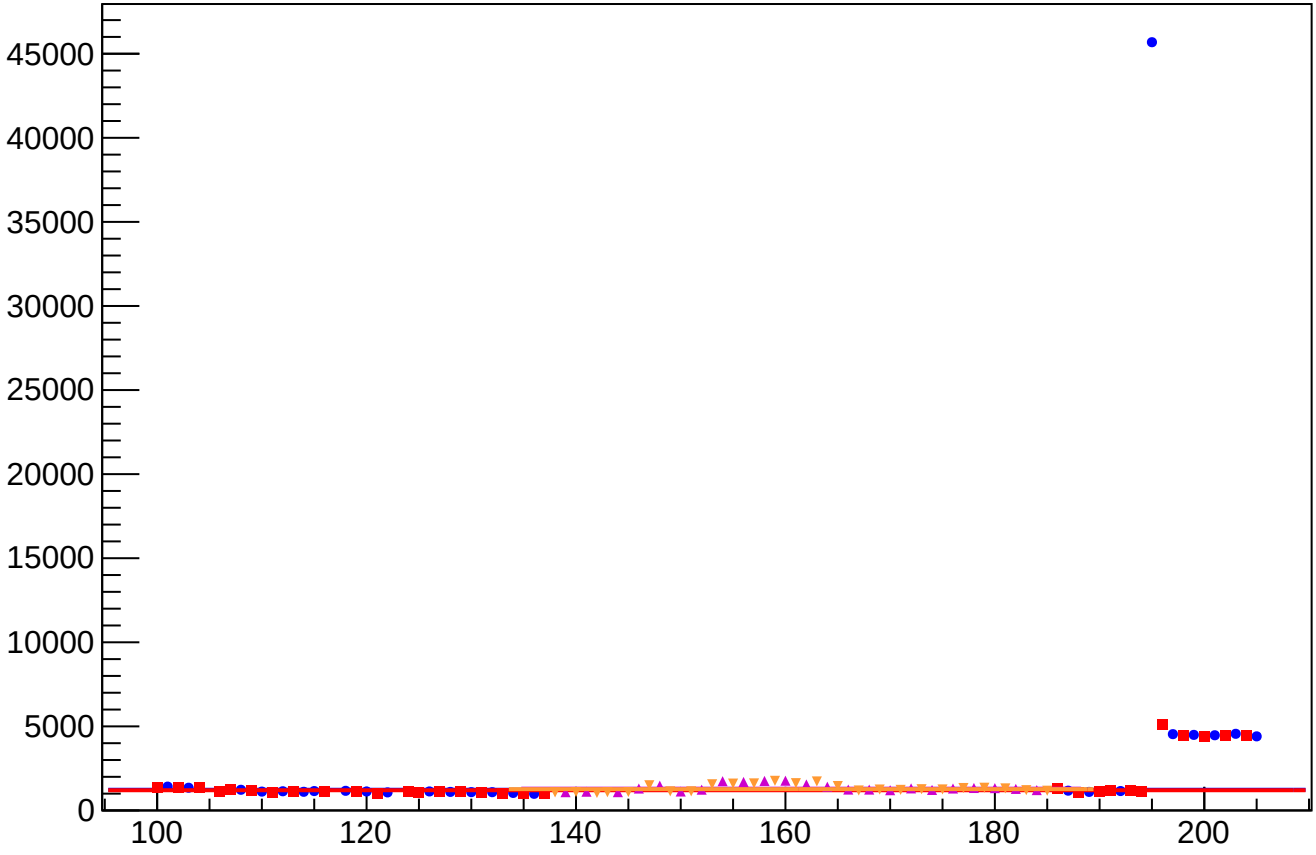
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.615+/-0.230 χ^2/NDF: 623.8/49

All: -1.750+/-0.162 χ^2/NDF: 2129.3/102

- sign -1.882+/-0.227 χ^2/NDF: 1504.8/52

diff_bpm0l09Y_rms vs Slug



Right In: 1230.209+/-0.264 χ^2/NDF: 6381842.2/24

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1202.412+/-0.240 χ^2/NDF: 4468428.5/29

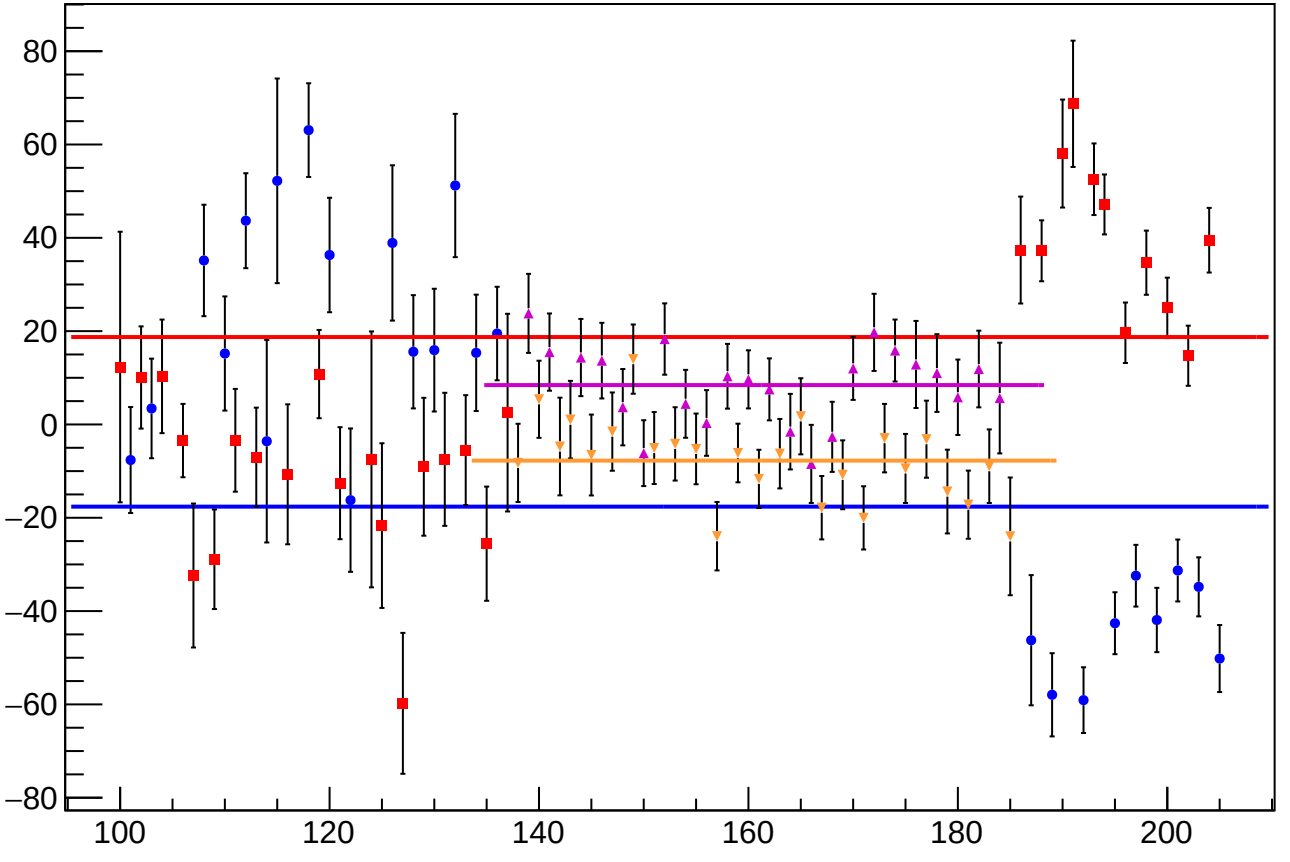
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1253.291+/-0.163 χ^2/NDF: 7272558.8/49

All: 1253.081+/-0.114 χ^2/NDF: 12579547.6/1

- sign 1252.876+/-0.161 χ^2/NDF: 5306985.5/52

diff_bpm0l10X_mean vs Slug



Right In: -17.615+/-1.913 χ^2/NDF: 351.5/24

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 18.736+/-1.772 χ^2/NDF: 209.9/29

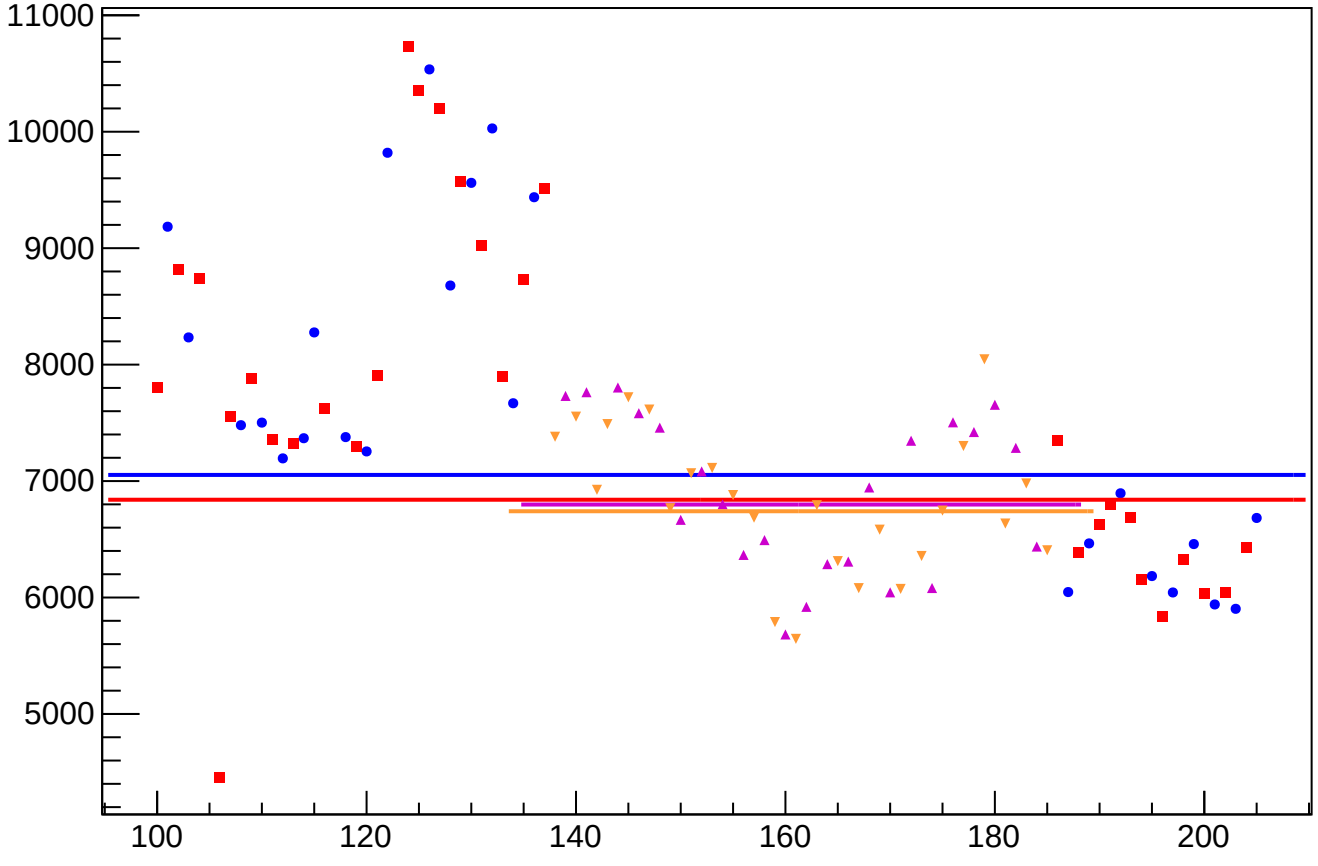
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -11.651+/-1.203 χ^2/NDF: 397.9/49

All: 0.852+/-0.846 χ^2/NDF: 864.9/102

- sign 13.078+/-1.189 χ^2/NDF: 253.2/52

diff_bpm0l10X_rms vs Slug



Right In: 7052.797+/-1.353 χ^2/NDF: 807348.1/24

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6839.767+/-1.253 χ^2/NDF: 952484.1/29

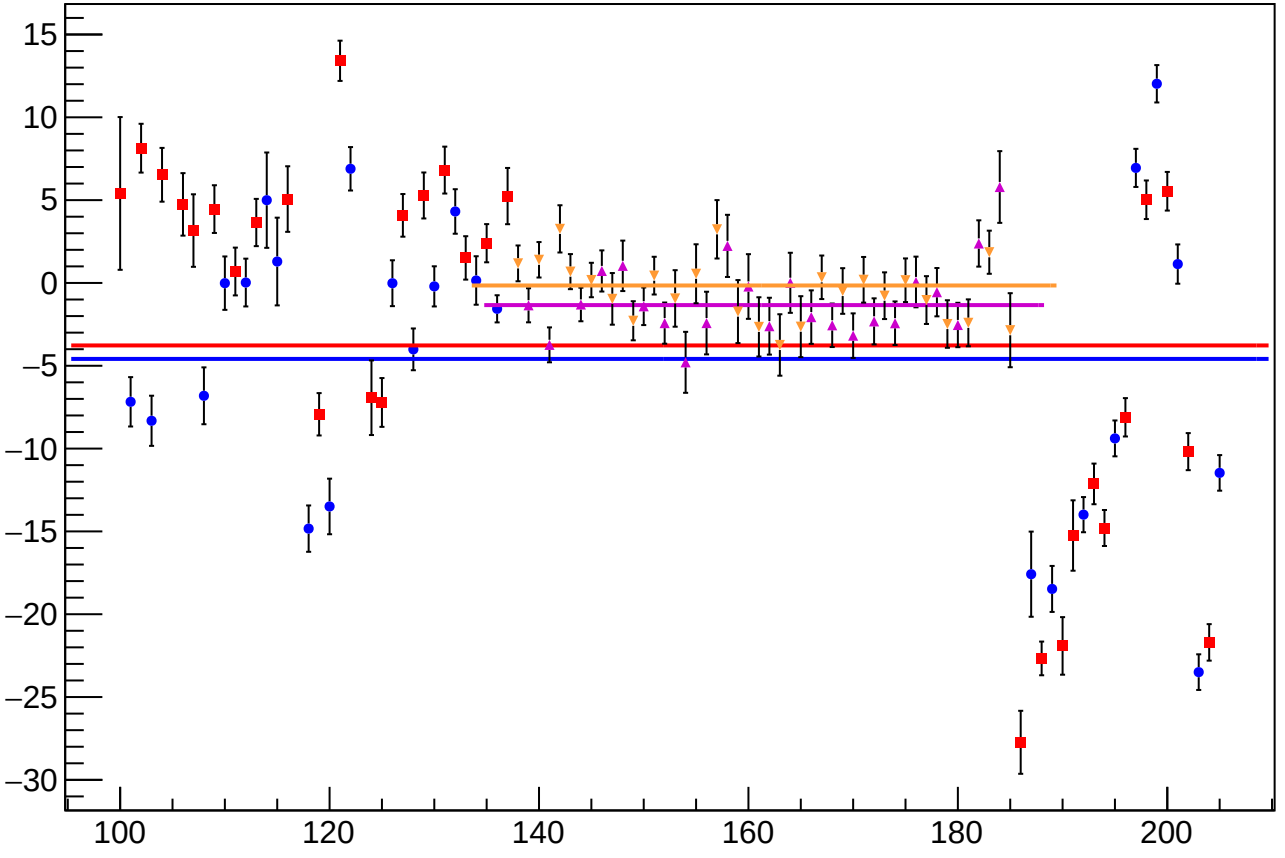
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6864.134+/-0.850 χ^2/NDF: 1156216.9/49

All: 6840.359+/-0.598 χ^2/NDF: 2464119.8/10

- sign 6817.109+/-0.841 χ^2/NDF: 1306357.1/52

diff_bpm0l10Y_mean vs Slug



Right In: -4.586+/-0.262 χ^2/NDF: 1209.7/24

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -3.773+/-0.254 χ^2/NDF: 1879.9/29

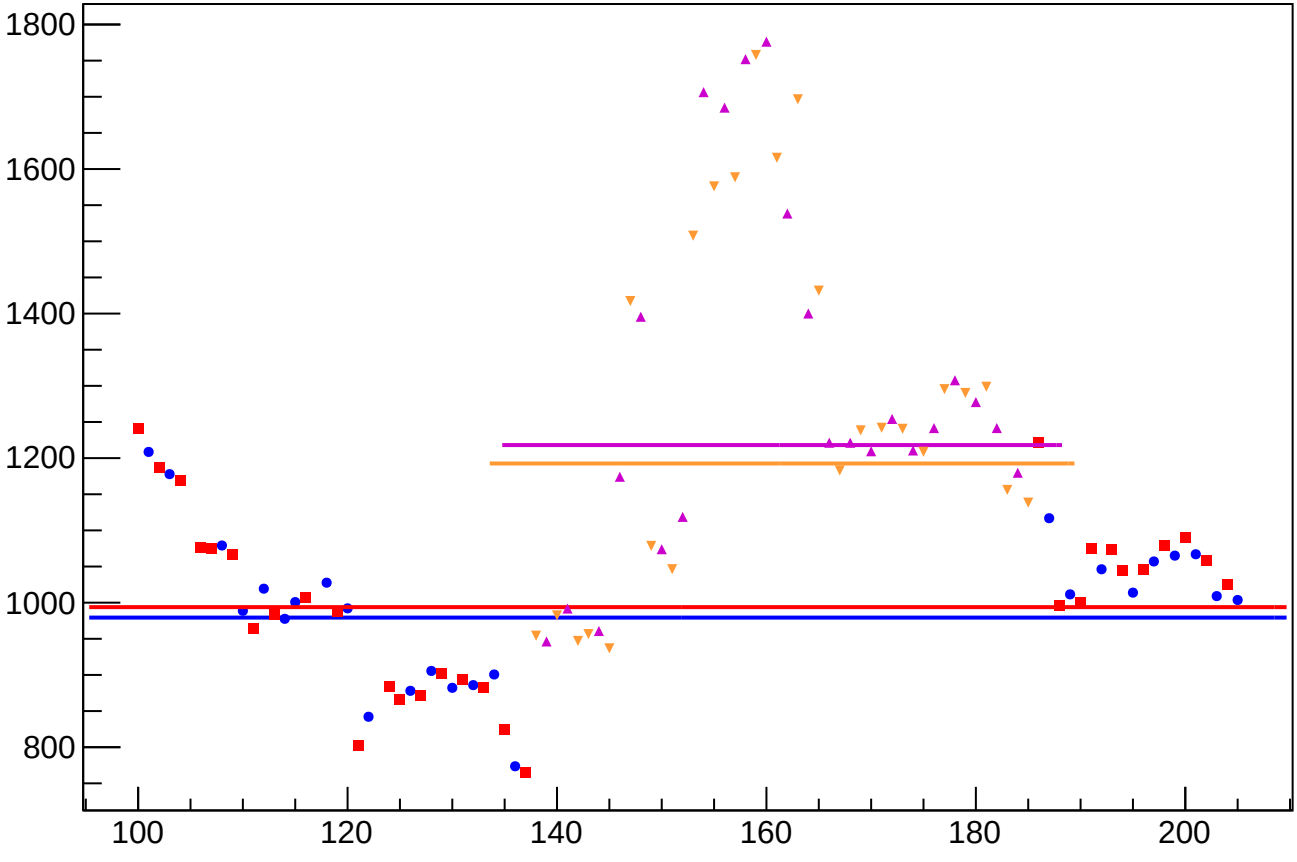
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.488+/-0.190 χ^2/NDF: 1381.0/49

All: -2.601+/-0.135 χ^2/NDF: 3345.5/102

- sign -2.715+/-0.191 χ^2/NDF: 1963.8/52

diff_bpm0l10Y_rms vs Slug



Right In: 979.352+/-0.185 χ^2/NDF: 337329.0/24

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 993.810+/-0.180 χ^2/NDF: 358290.6/29

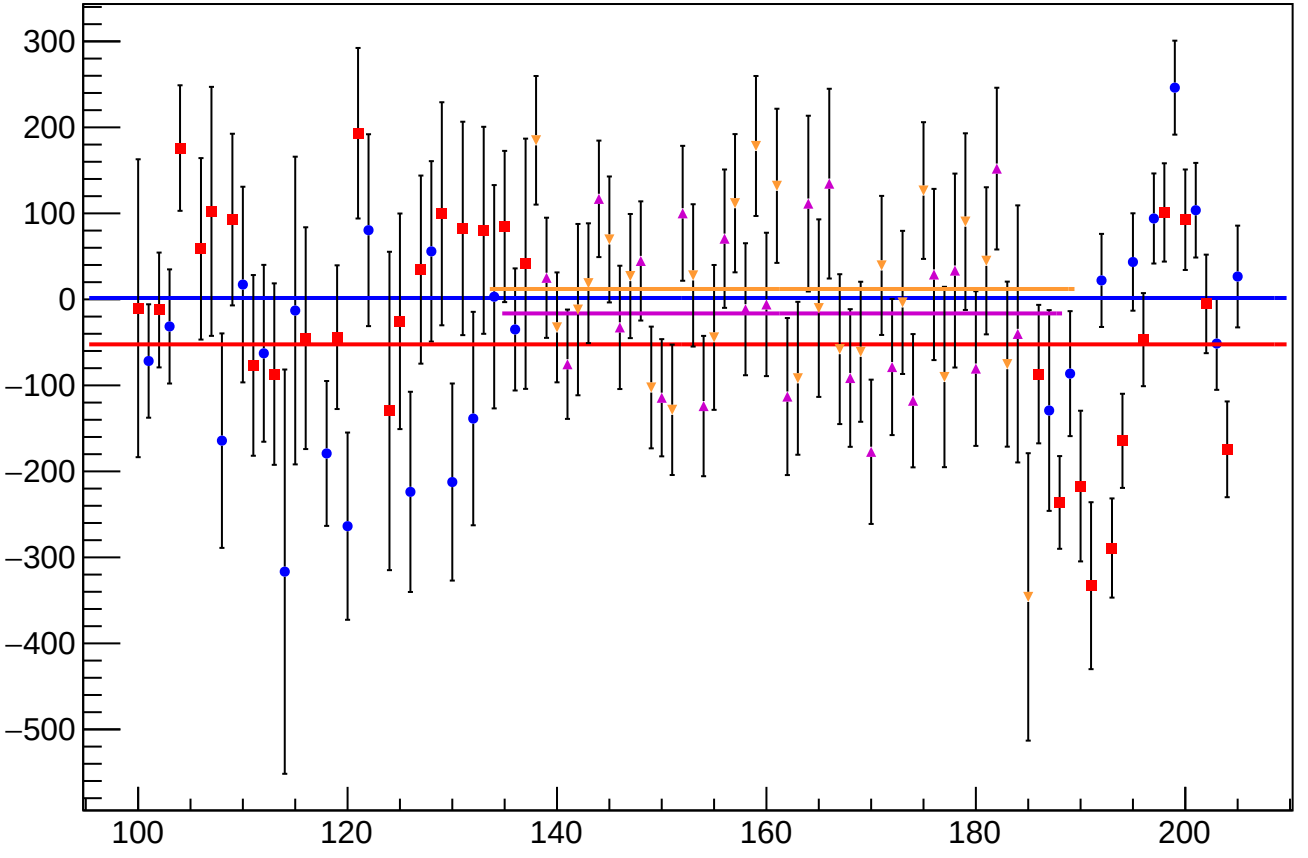
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1080.273+/-0.135 χ^2/NDF: 2283029.4/49

All: 1085.693+/-0.095 χ^2/NDF: 4448486.0/10

- sign 1091.159+/-0.135 χ^2/NDF: 2162200.5/52

diff_bpm0r03X_mean vs Slug



Right In: 1.615+/-15.450 χ^2/NDF: 56.7/24

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

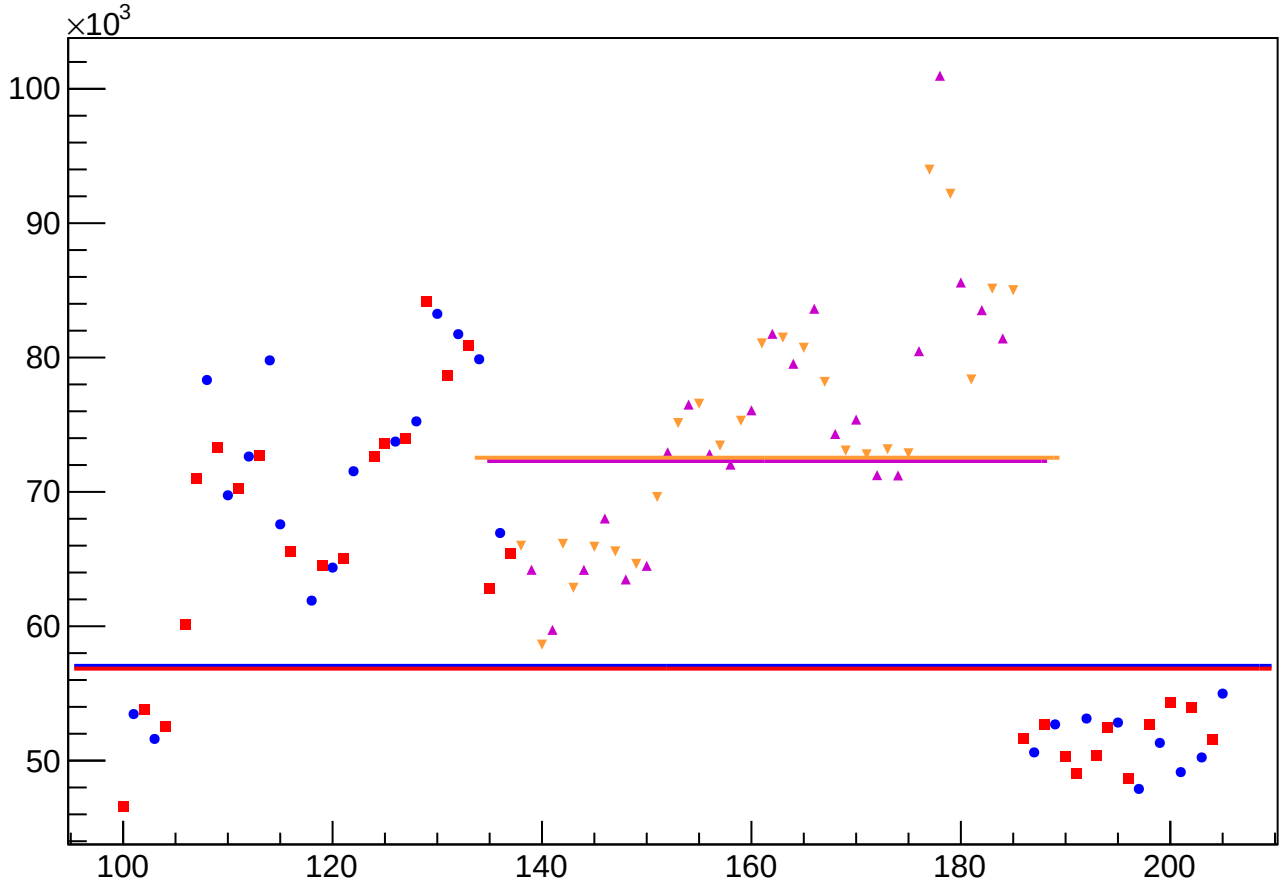
Right Out: -52.305+/-14.661 χ^2/NDF: 91.9/29

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 6.471+/-11.312 χ^2/NDF: 89.8/49

All: -15.653+/-7.926 χ^2/NDF: 220.5/102

- sign -36.983+/-11.107 χ^2/NDF: 123.2/52



Right In: 57051.478+/-10.925 χ^2/NDF: 803056.6/24

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56844.983+/-10.367 χ^2/NDF: 722110.3/29

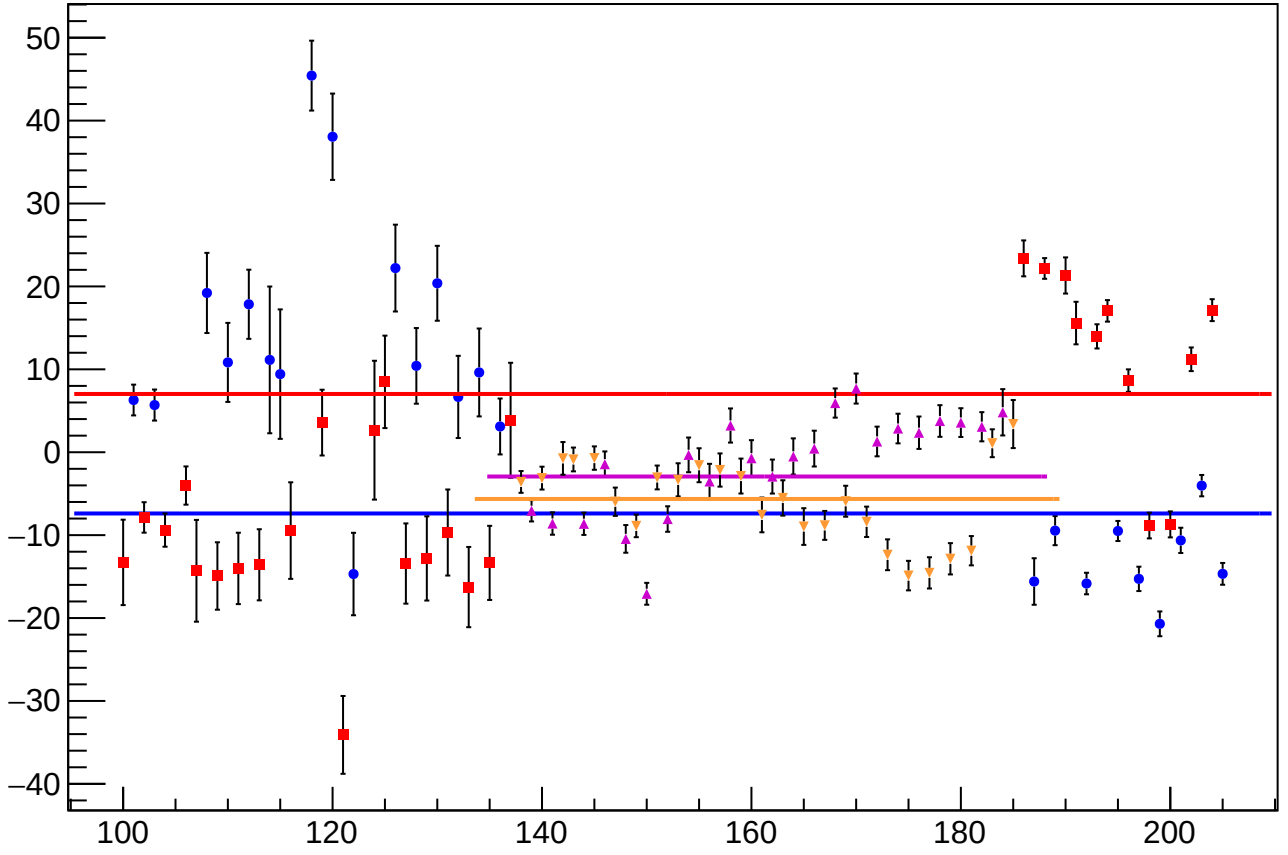
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 64239.199+/-7.999 χ^2/NDF: 2236112.7/49

All: 63826.805+/-5.604 χ^2/NDF: 4399120.4/1

- sign 63429.207+/-7.854 χ^2/NDF: 2157787.0/52

diff_bpm0r03Y_mean vs Slug



Right In: -7.387+/-0.429 χ^2/NDF: 747.1/24

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 7.028+/-0.405 χ^2/NDF: 1047.9/29

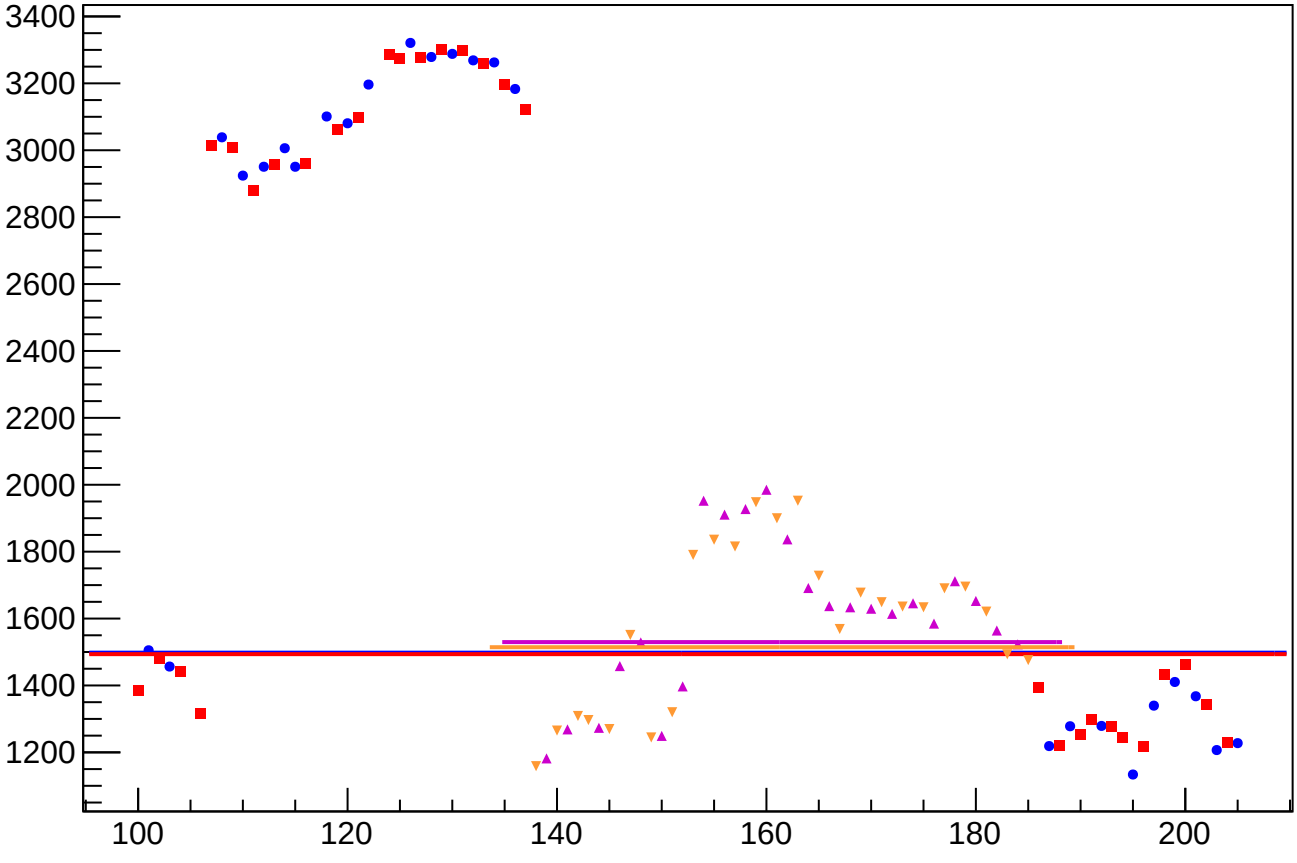
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.333+/-0.271 χ^2/NDF: 935.3/49

All: -2.406+/-0.191 χ^2/NDF: 3075.5/102

- sign 1.497+/-0.270 χ^2/NDF: 1721.0/52

diff_bpm0r03Y_rms vs Slug



Right In: 1498.070+/-0.304 χ^2/NDF: 3817094.4/24

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

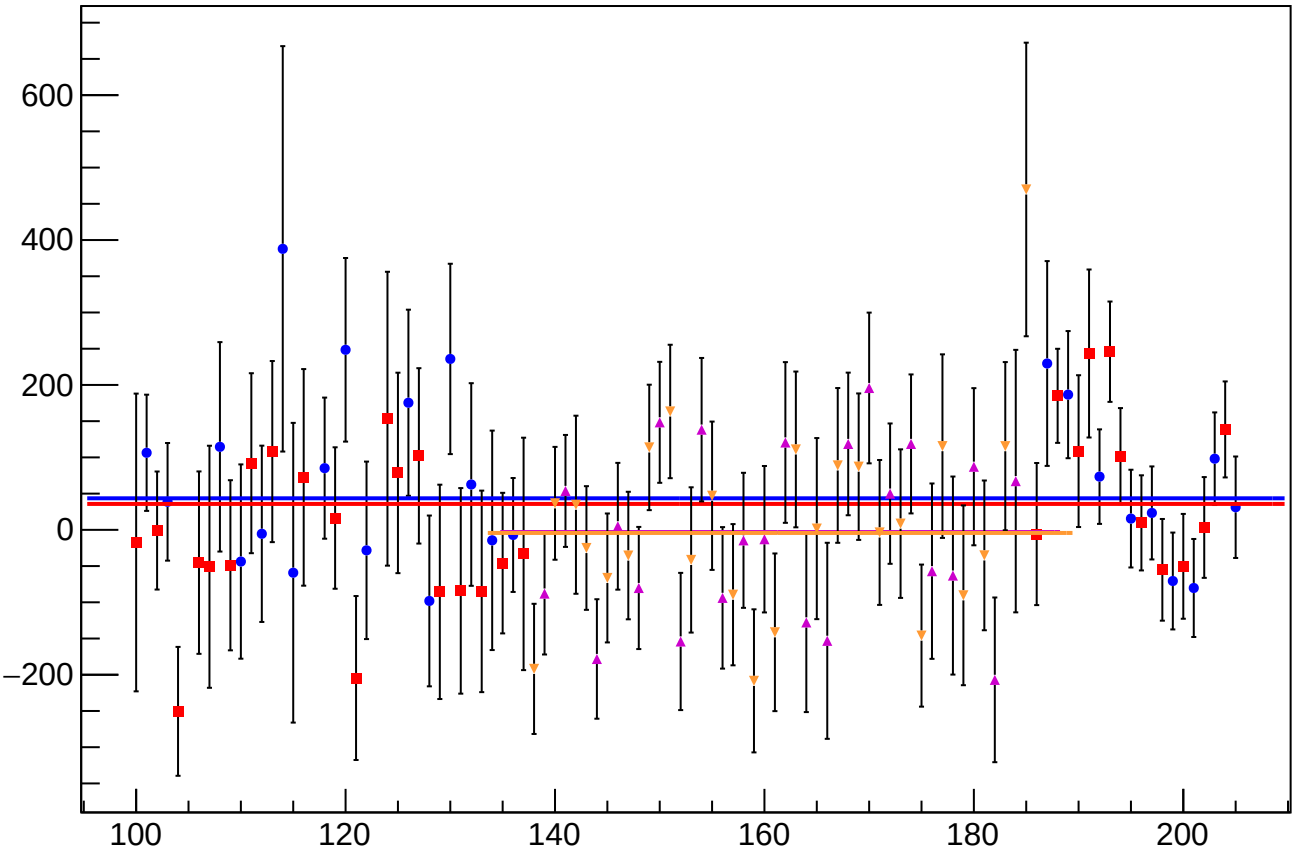
Right Out: 1493.601+/-0.286 χ^2/NDF: 3699248.6/29

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1507.861+/-0.191 χ^2/NDF: 4752154.9/49

All: 1510.748+/-0.135 χ^2/NDF: 9289133.8/10

- sign 1513.617+/-0.191 χ^2/NDF: 4536525.7/52



Right In: 43.527+/-18.367 χ^2/NDF: 23.5/24

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

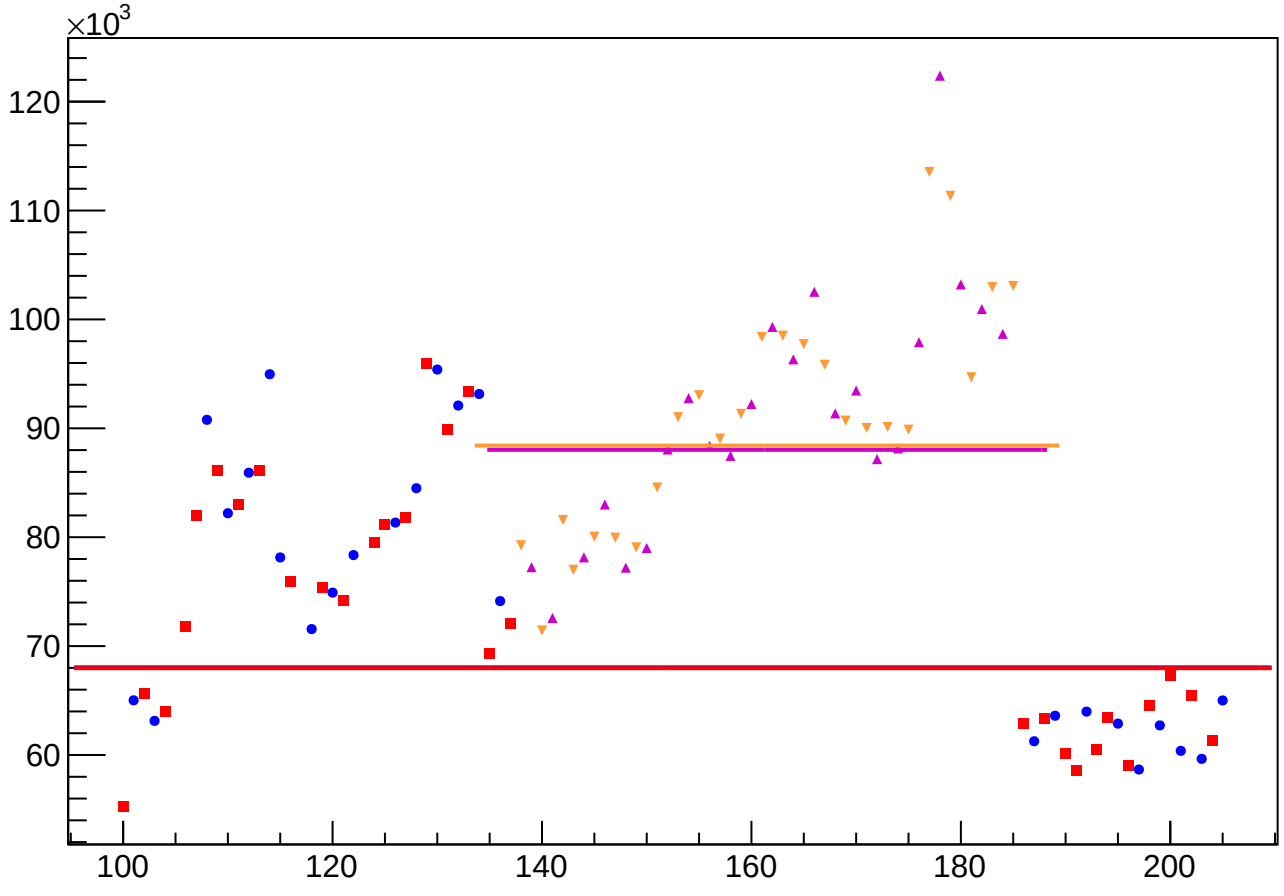
Right Out: 35.772+/-17.489 χ^2/NDF: 46.0/29

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 21.940+/-13.602 χ^2/NDF: 57.0/49

All: 20.767+/-9.533 χ^2/NDF: 135.7/102

- sign 19.635+/-13.365 χ^2/NDF: 78.7/52



Right In: 68044.555+/-12.987 χ^2/NDF: 592865.0/24

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67971.023+/-12.366 χ^2/NDF: 547610.2/29

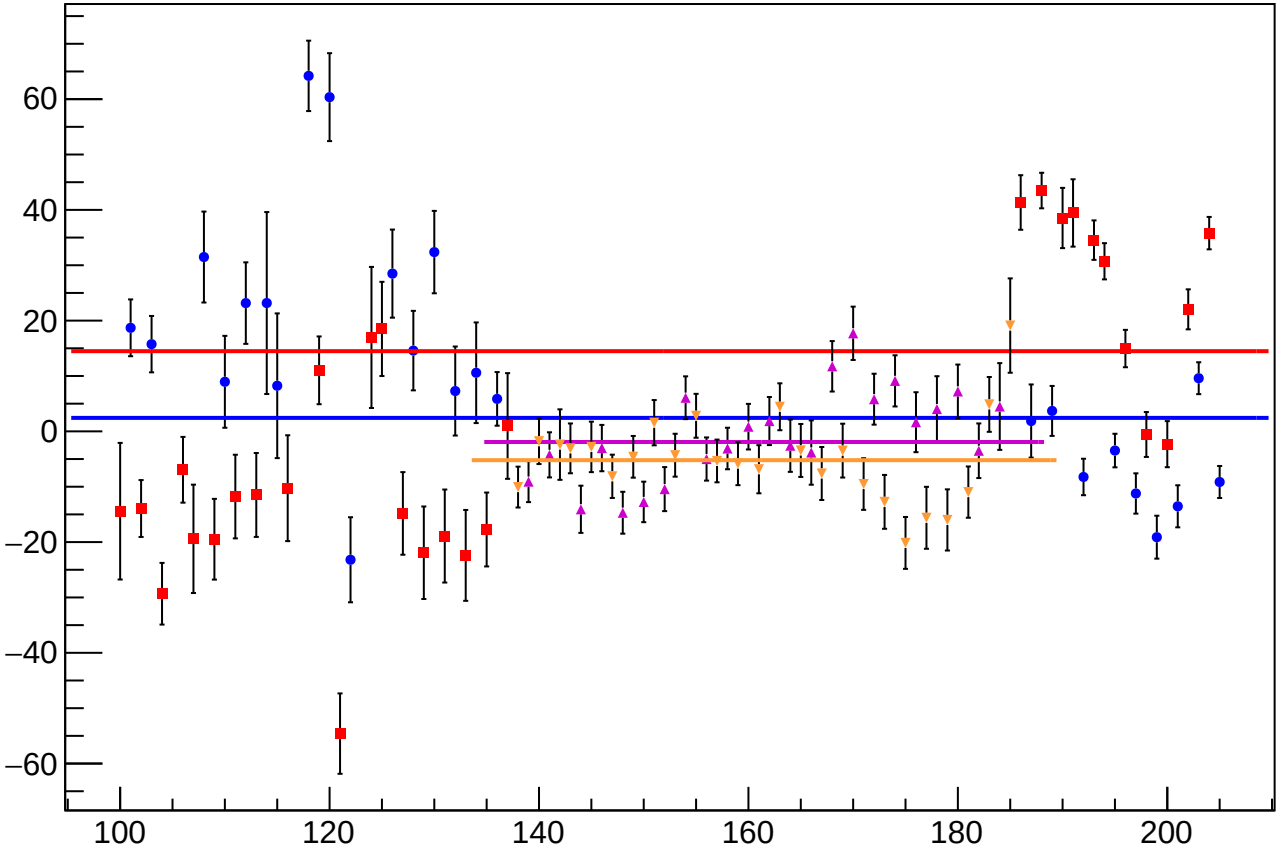
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 77245.204+/-9.618 χ^2/NDF: 2186123.0/49

All: 76771.263+/-6.741 χ^2/NDF: 4317230.3/1

- sign 76313.696+/-9.450 χ^2/NDF: 2126334.7/52

diff_bpm0r05Y_mean vs Slug



Right In: 2.433+/-0.981 χ^2/NDF: 329.2/24

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

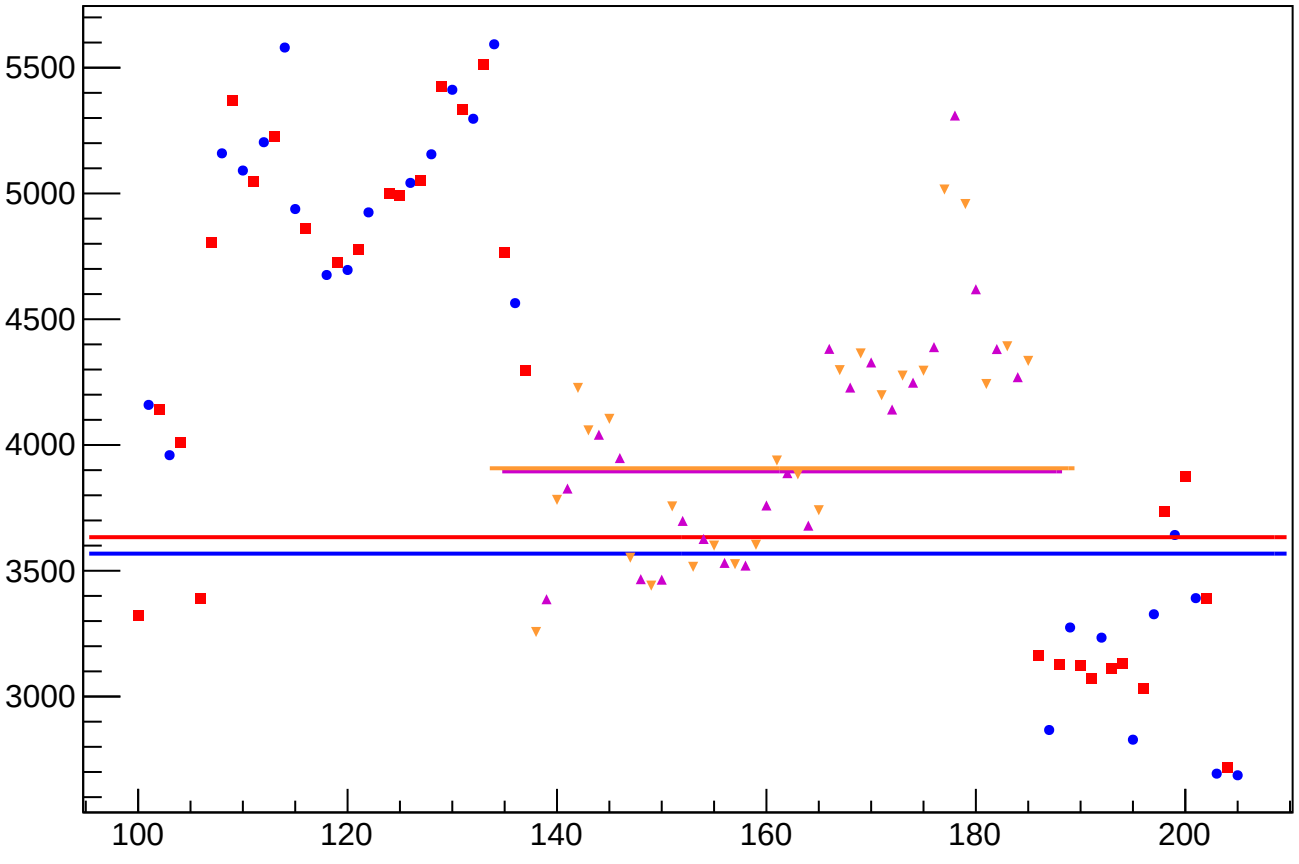
Right Out: 14.482+/-0.948 χ^2/NDF: 653.7/29

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.740+/-0.661 χ^2/NDF: 413.4/49

All: 2.138+/-0.467 χ^2/NDF: 1373.8/102

- sign 5.996+/-0.659 χ^2/NDF: 891.7/52



Right In: 3568.098+/-0.694 χ^2/NDF: 1615588.5/24

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3633.497+/-0.671 χ^2/NDF: 1441377.1/29

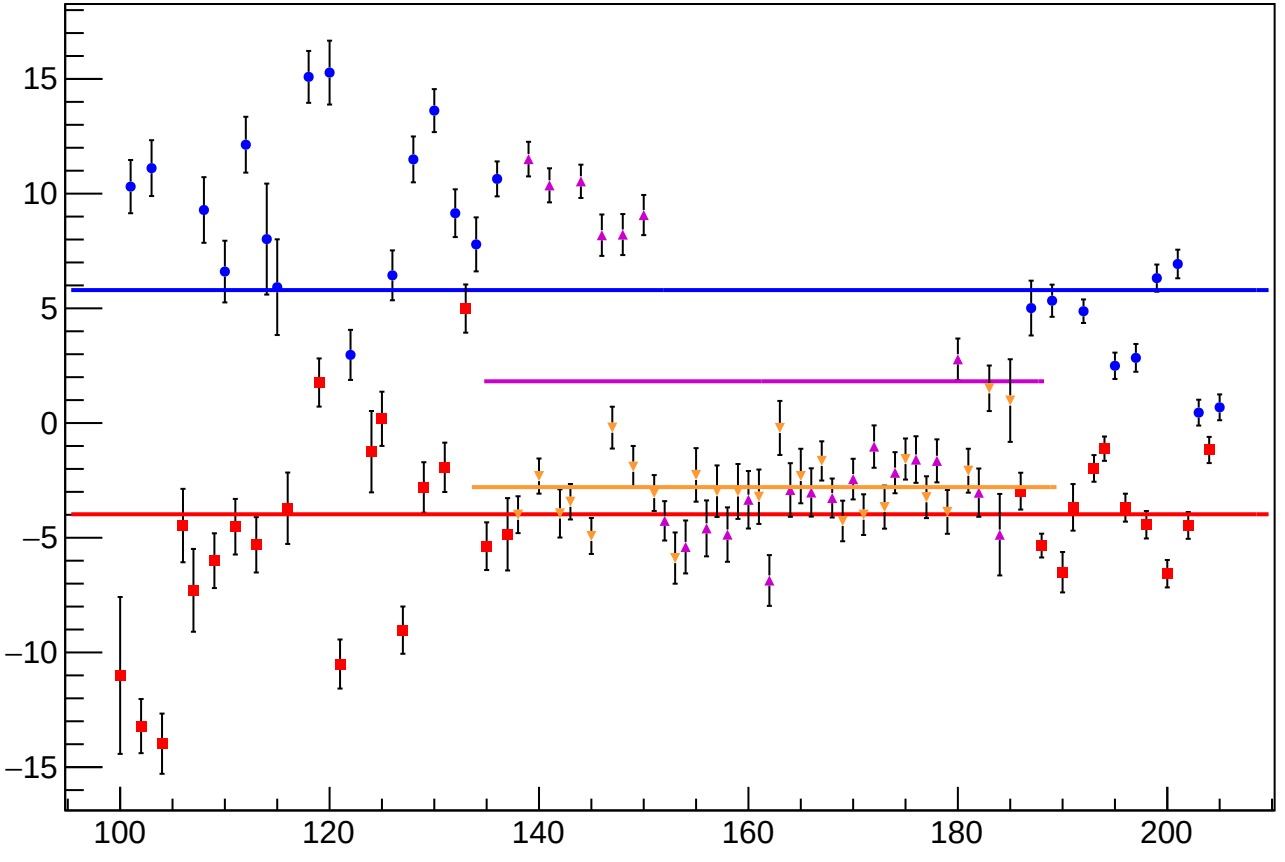
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3753.484+/-0.467 χ^2/NDF: 2187602.1/49

All: 3761.170+/-0.330 χ^2/NDF: 4118138.0/10

- sign 3768.818+/-0.466 χ^2/NDF: 1929995.7/52

diff_bpm2i01X_mean vs Slug



Right In: 5.796+/-0.167 χ^2/NDF: 582.7/24

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.977+/-0.157 χ^2/NDF: 419.0/29

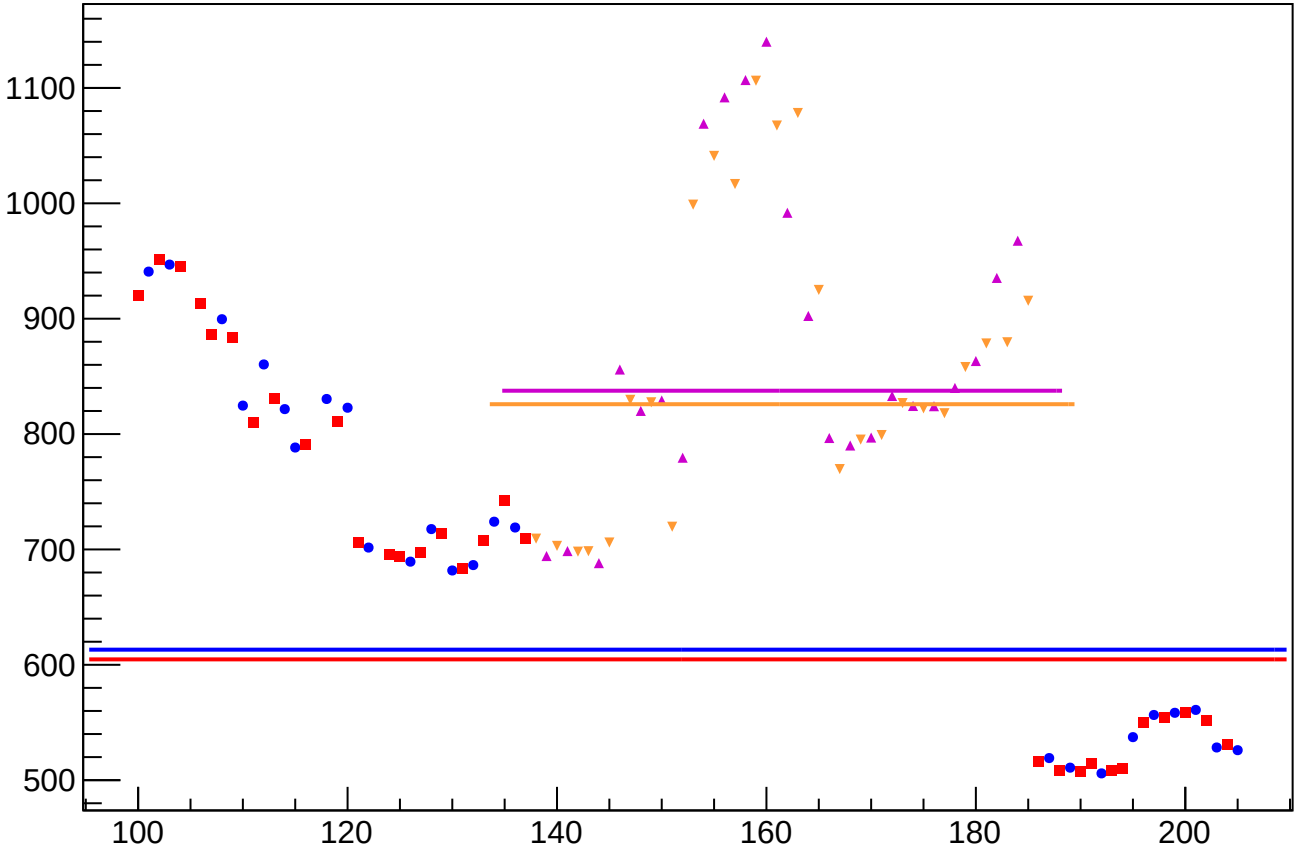
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.066+/-0.125 χ^2/NDF: 1806.0/49

All: 0.128+/-0.088 χ^2/NDF: 4247.1/102

- sign -1.742+/-0.123 χ^2/NDF: 1970.8/52

diff_bpm2i01X_rms vs Slug



Right In: 613.129+/-0.118 χ^2/NDF: 1111046.0/24

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 604.702+/-0.111 χ^2/NDF: 1278844.4/29

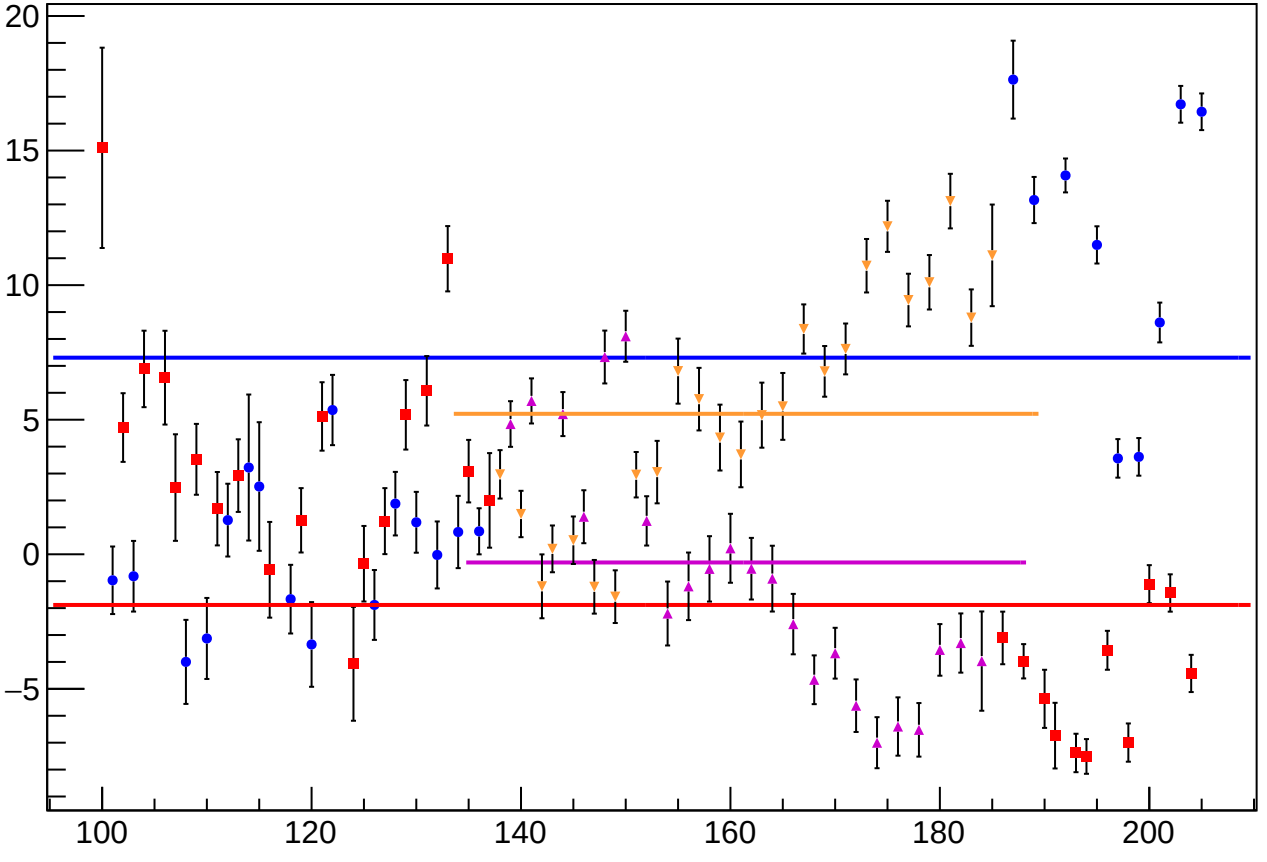
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 705.530+/-0.089 χ^2/NDF: 3293630.3/49

All: 699.905+/-0.062 χ^2/NDF: 6991571.9/102

- sign 694.478+/-0.087 χ^2/NDF: 3690017.0/52

diff_bpm2i01Y_mean vs Slug



Right In: 7.305+/-0.197 χ^2/NDF: 1198.9/24

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.883+/-0.186 χ^2/NDF: 647.0/29

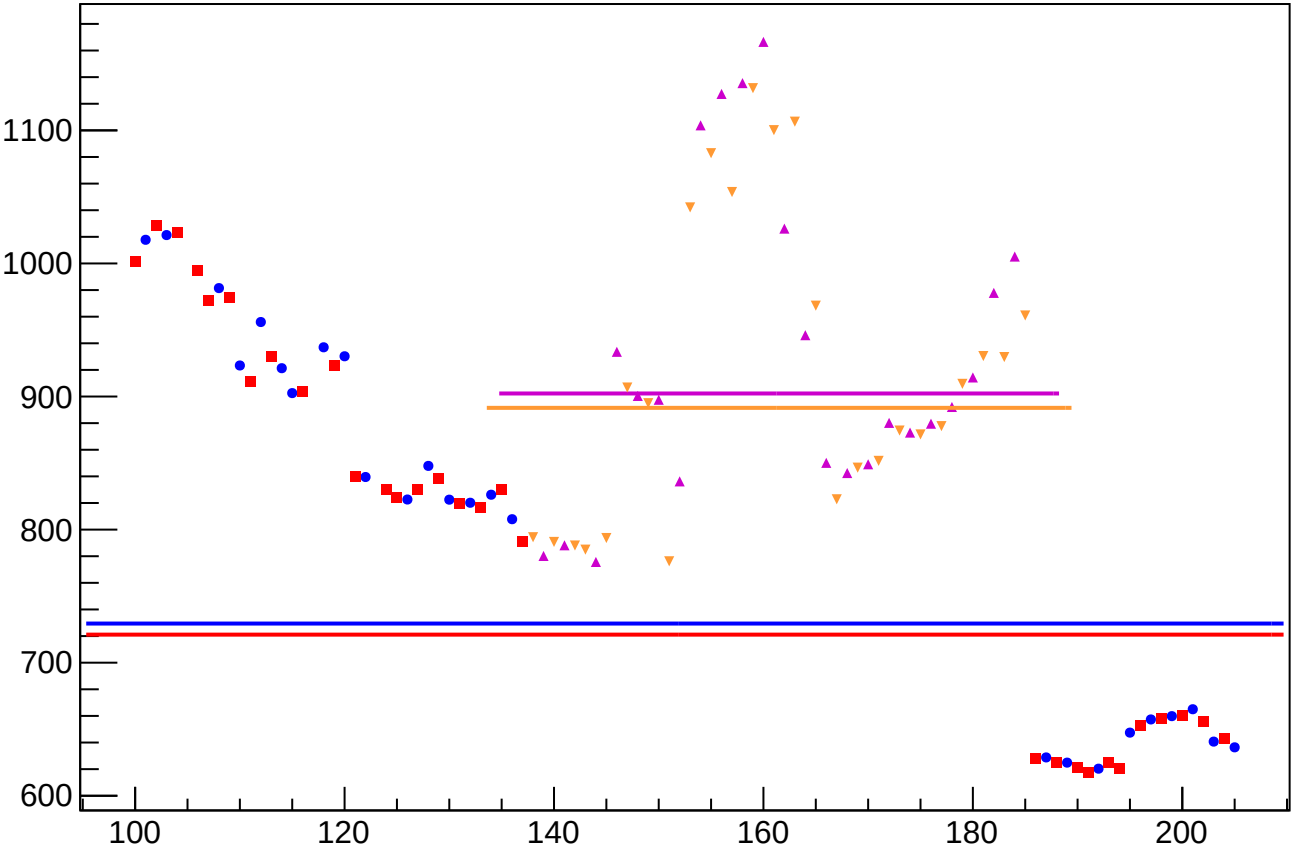
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 6.300+/-0.142 χ^2/NDF: 1702.8/49

All: 2.503+/-0.100 χ^2/NDF: 4291.5/102

- sign -1.198+/-0.140 χ^2/NDF: 1173.5/52

diff_bpm2i01Y_rms vs Slug



Right In: 729.408+/-0.139 χ^2/NDF: 801704.7/24

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 721.082+/-0.132 χ^2/NDF: 921589.4/29

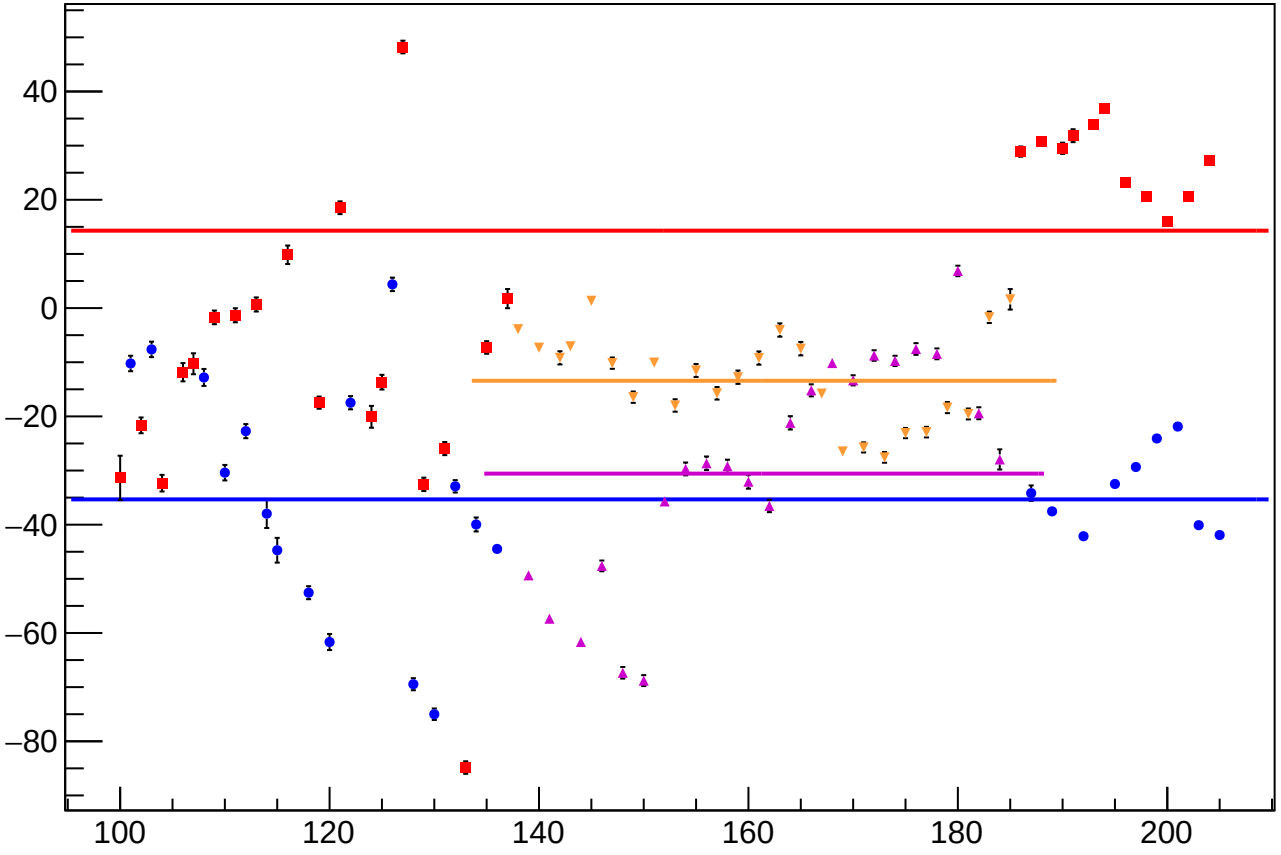
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 807.487+/-0.100 χ^2/NDF: 1971485.0/49

All: 803.525+/-0.070 χ^2/NDF: 4203537.2/102

- sign 799.664+/-0.099 χ^2/NDF: 2228971.5/52

diff_bpm2i02X_mean vs Slug



Right In: -35.328+/-0.193 χ^2/NDF: 6175.7/24

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 14.296+/-0.183 χ^2/NDF: 19282.4/29

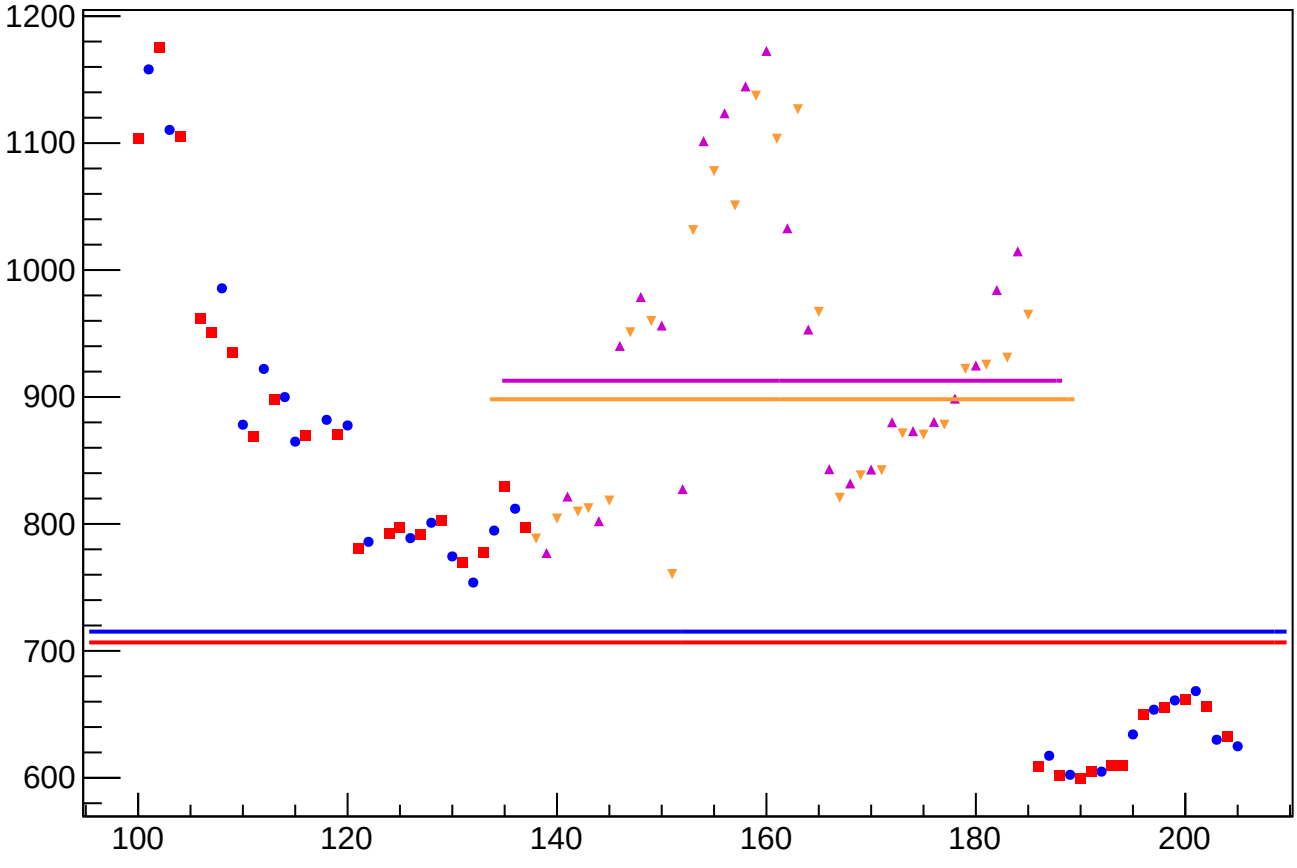
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -25.062+/-0.141 χ^2/NDF: 13851.8/49

All: -14.639+/-0.099 χ^2/NDF: 79599.1/102

\- sign -4.479+/-0.139 χ^2/NDF: 54954.1/52

diff_bpm2i02X_rms vs Slug



Right In: 715.185+/-0.137 χ^2/NDF: 872452.4/24

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 706.662+/-0.129 χ^2/NDF: 988255.2/29

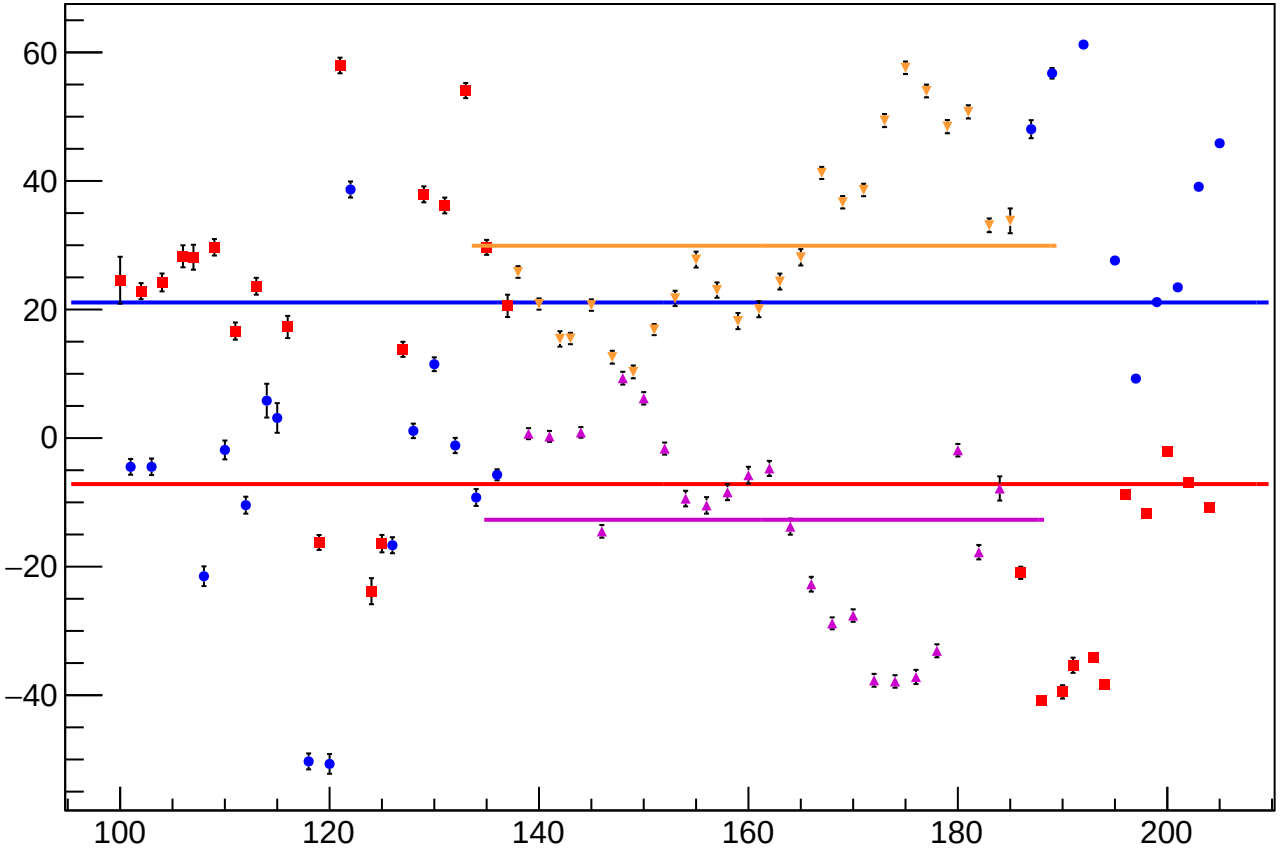
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 800.960+/-0.100 χ^2/NDF: 2230301.1/49

All: 796.894+/-0.070 χ^2/NDF: 4769477.0/102

- sign 792.930+/-0.098 χ^2/NDF: 2535890.2/52

diff_bpm2i02Y_mean vs Slug



Right In: 21.097+/-0.191 χ^2/NDF: 20491.6/24

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.158+/-0.181 χ^2/NDF: 22634.0/29

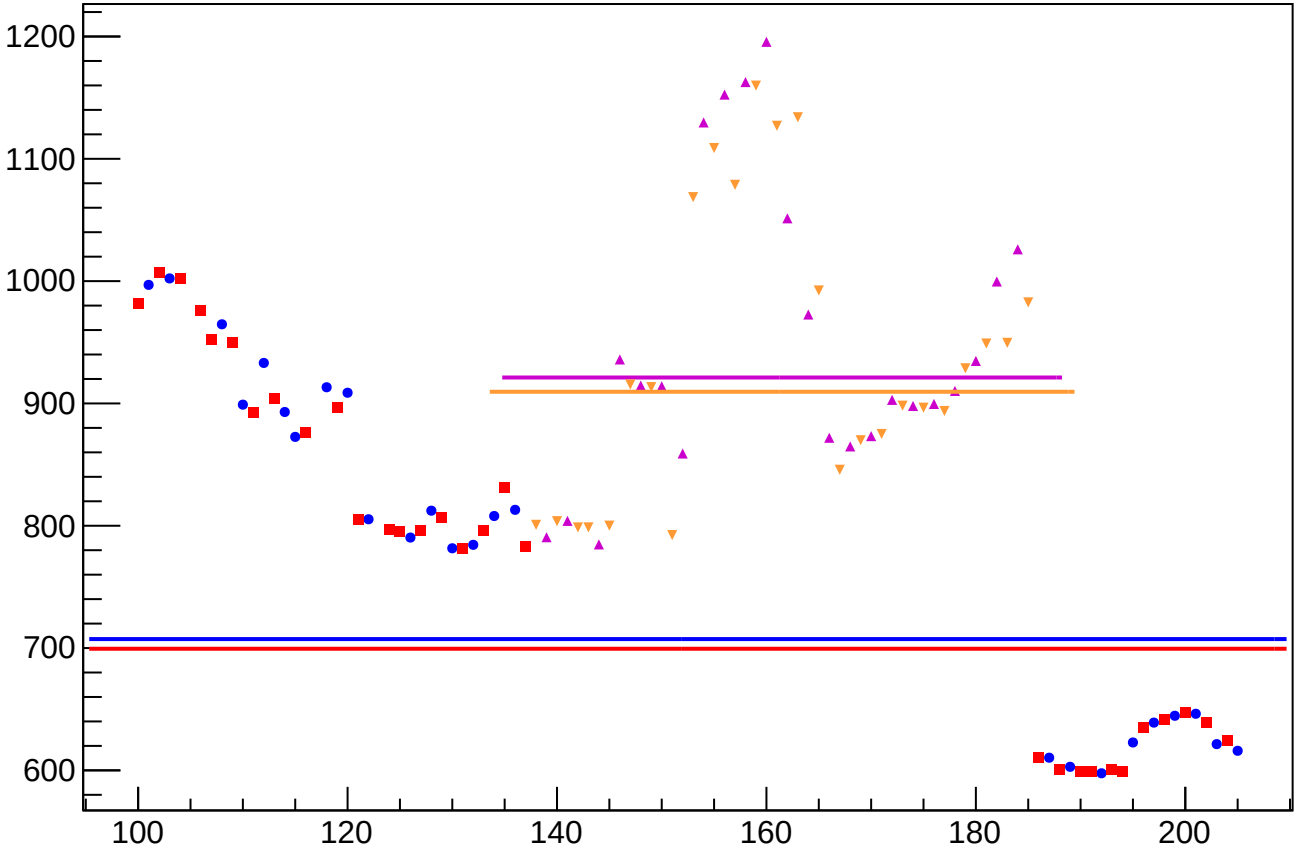
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 25.126+/-0.141 χ^2/NDF: 26045.1/49

All: 7.591+/-0.099 χ^2/NDF: 84369.5/102

- sign -9.427+/-0.139 χ^2/NDF: 27811.5/52

diff_bpm2i02Y_rms vs Slug



Right In: 707.341+/-0.135 χ^2/NDF: 834093.2/24

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 699.430+/-0.128 χ^2/NDF: 949690.8/29

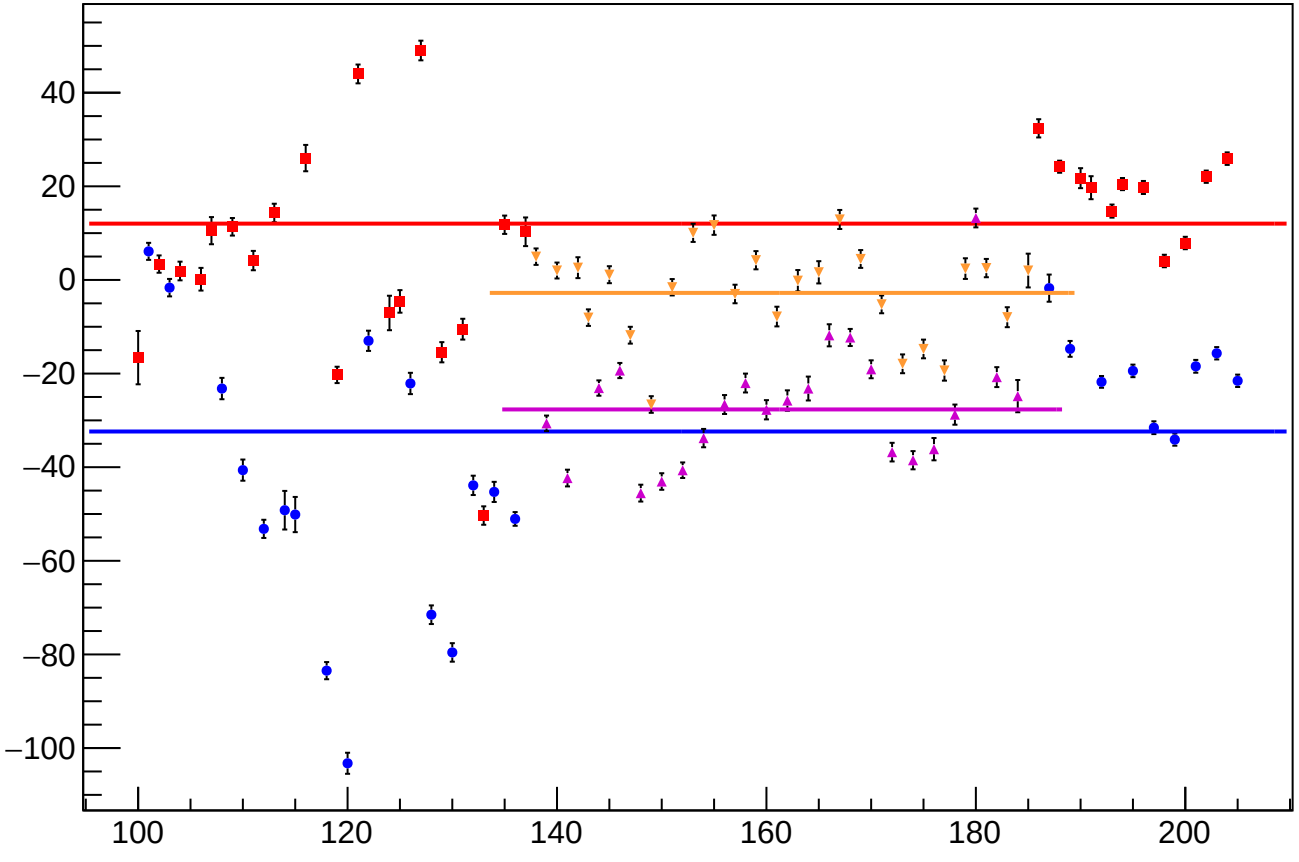
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 799.653+/-0.100 χ^2/NDF: 2397629.8/49

All: 794.794+/-0.070 χ^2/NDF: 5082924.6/102

- sign 790.079+/-0.098 χ^2/NDF: 2680609.7/52

diff_bpm0i02X_mean vs Slug



Right In: -32.375+/-0.350 χ^2/NDF: 4675.9/24

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 12.030+/-0.333 χ^2/NDF: 2905.6/29

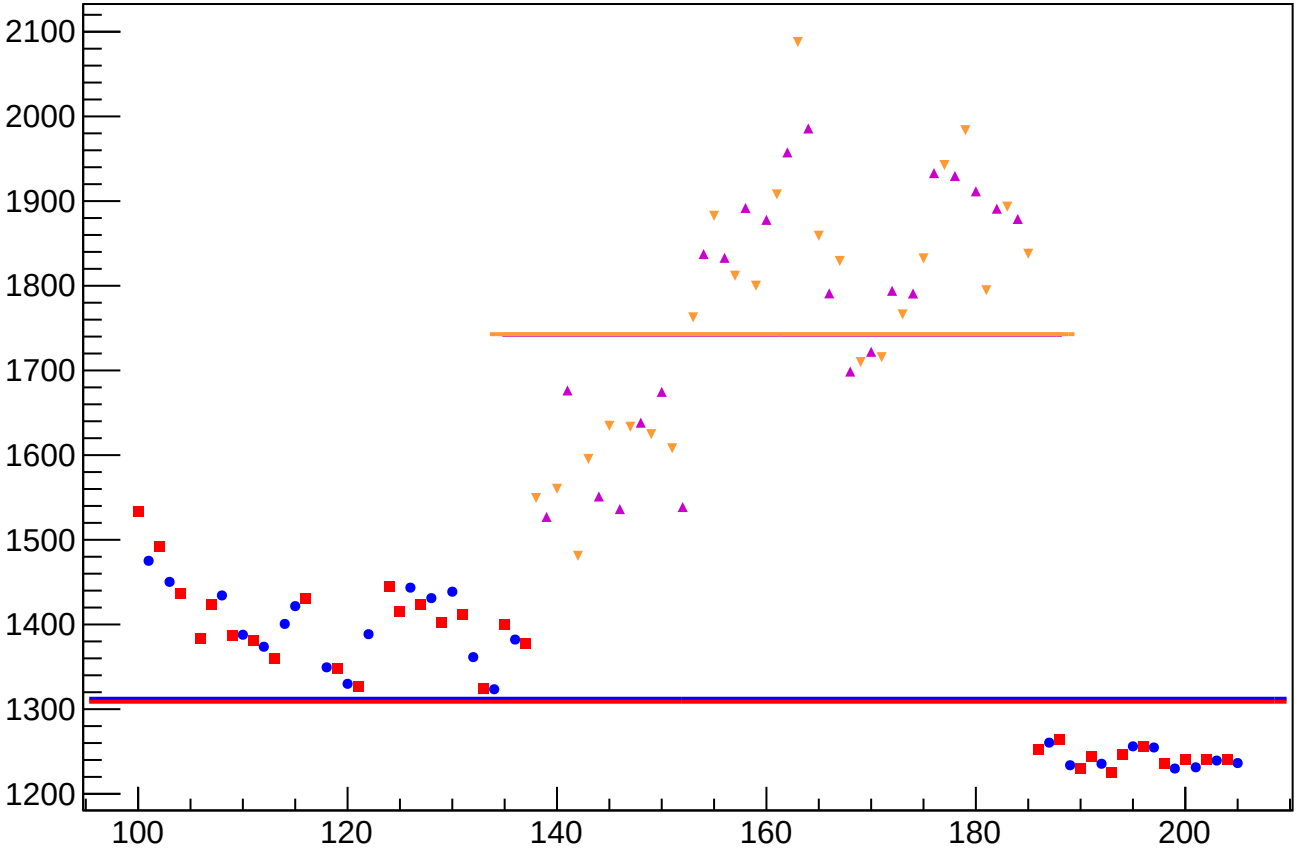
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.442+/-0.263 χ^2/NDF: 8418.1/49

All: -11.503+/-0.184 χ^2/NDF: 19775.4/102

\- sign -3.824+/-0.258 χ^2/NDF: 9559.8/52

diff_bpm0i02X_rms vs Slug



Right In: 1312.283+/-0.247 χ^2/NDF: 117896.8/24

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1308.788+/-0.236 χ^2/NDF: 119129.2/29

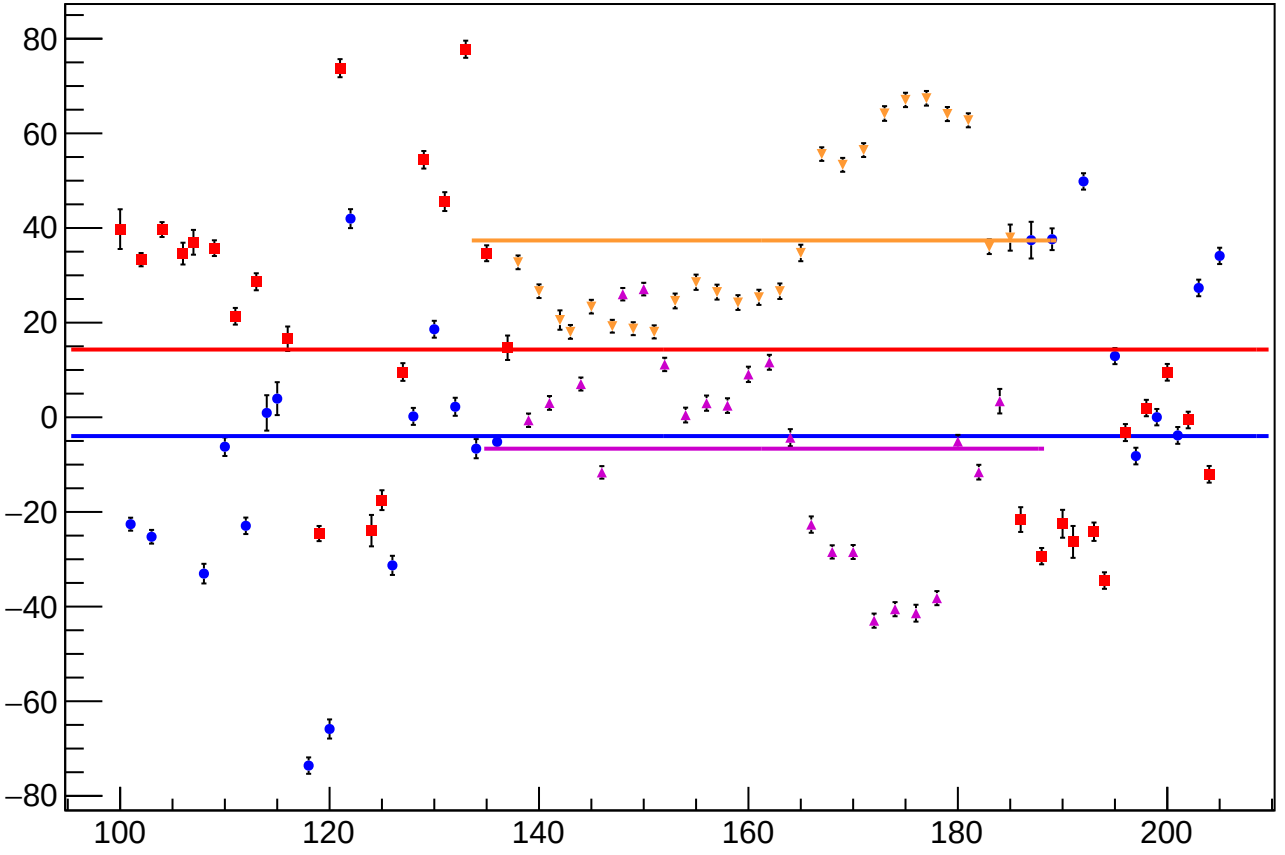
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1500.357+/-0.186 χ^2/NDF: 1703131.9/49

All: 1490.963+/-0.130 χ^2/NDF: 3439278.5/10

- sign 1481.876+/-0.183 χ^2/NDF: 1731113.3/52

diff_bpm0i02Y_mean vs Slug



Right In: -3.968+/-0.368 χ^2/NDF: 6487.4/24

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 14.318+/-0.355 χ^2/NDF: 7650.4/29

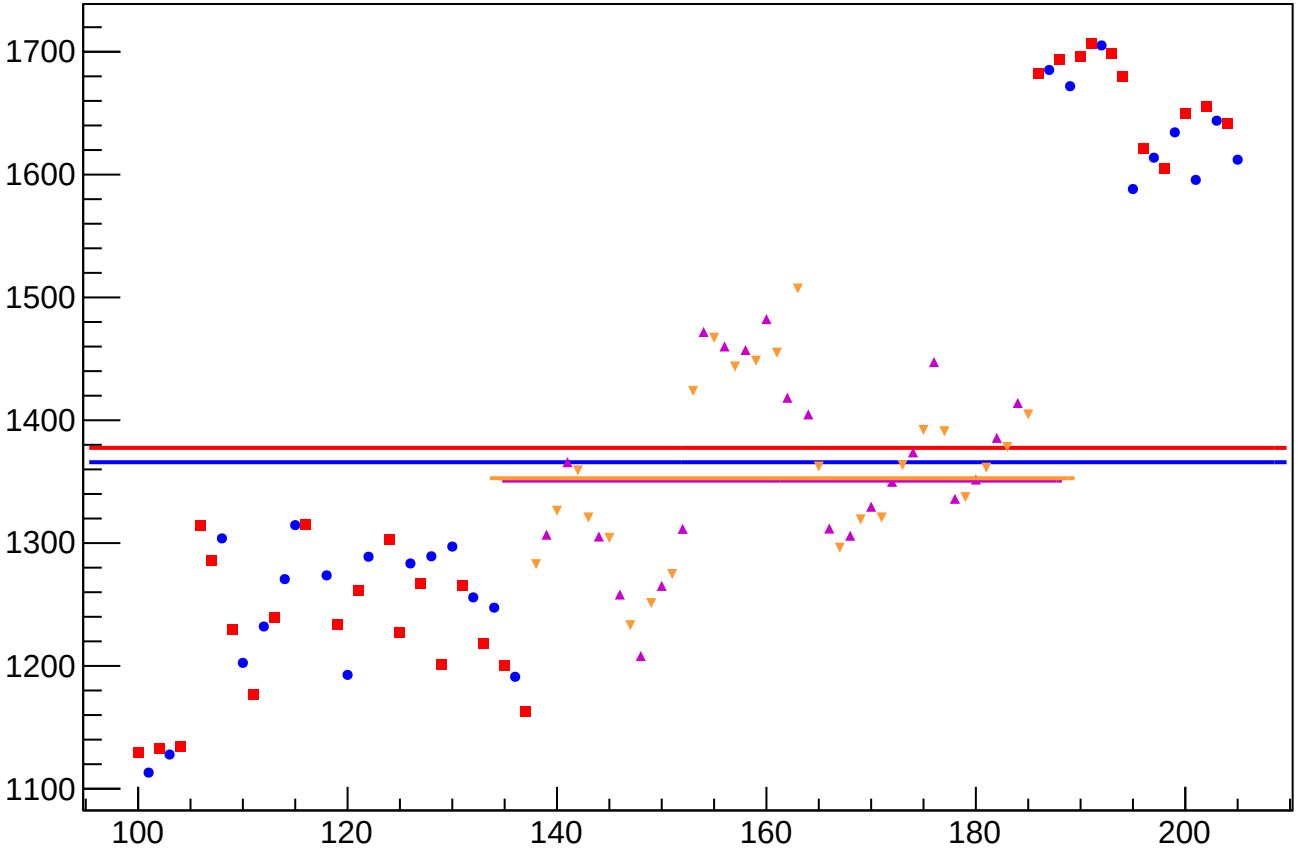
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.330+/-0.236 χ^2/NDF: 17314.3/49

All: 11.484+/-0.167 χ^2/NDF: 34128.4/102

- sign 2.646+/-0.236 χ^2/NDF: 14006.2/52

diff_bpm0i02Y_rms vs Slug



Right In: 1365.837+/-0.260 χ^2/NDF: 608735.4/24

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1377.512+/-0.251 χ^2/NDF: 757508.0/29

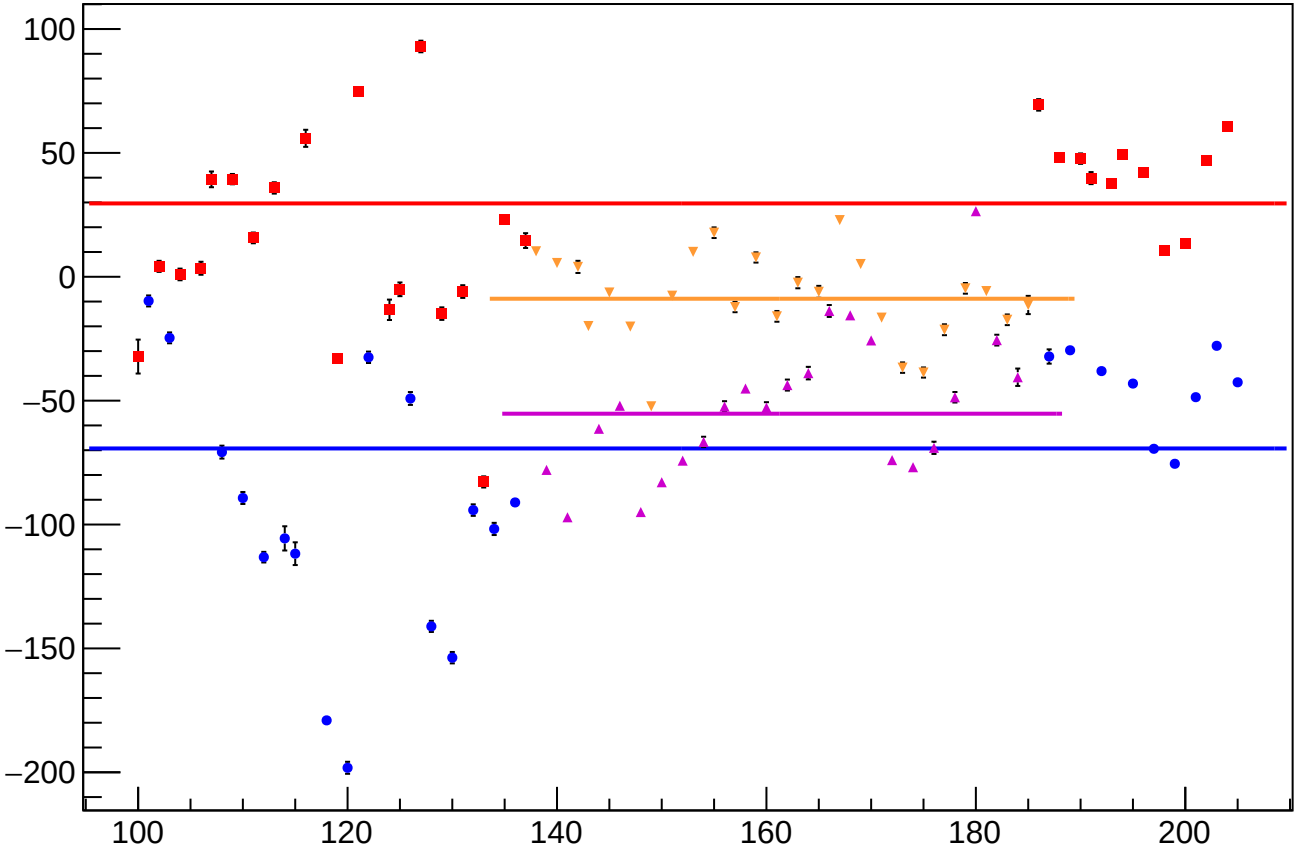
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1358.185+/-0.167 χ^2/NDF: 715054.4/49

All: 1360.416+/-0.118 χ^2/NDF: 1587849.5/10

- sign 1362.645+/-0.167 χ^2/NDF: 872437.9/52

diff_bpm0i02aX_mean vs Slug



Right In: -69.292+/-0.389 χ^2/NDF: 13517.5/24

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 29.608+/-0.366 χ^2/NDF: 7825.1/29

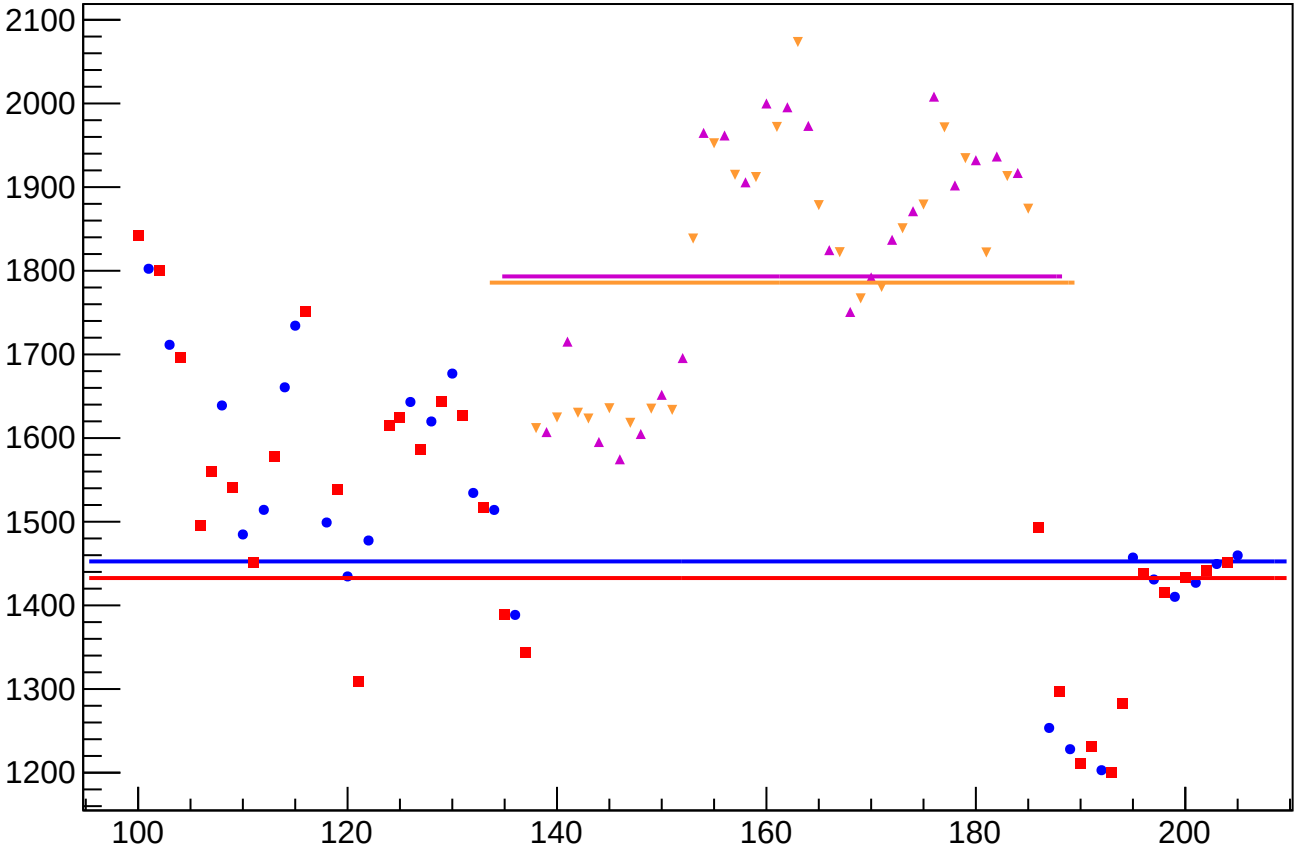
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -40.485+/-0.281 χ^2/NDF: 26998.3/49

All: -23.440+/-0.197 χ^2/NDF: 69955.1/102

- sign -6.995+/-0.276 χ^2/NDF: 35733.8/52

diff_bpm0i02aX_rms vs Slug



Right In: 1452.554+/-0.275 χ^2/NDF: 281504.2/24

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1432.670+/-0.259 χ^2/NDF: 330247.3/29

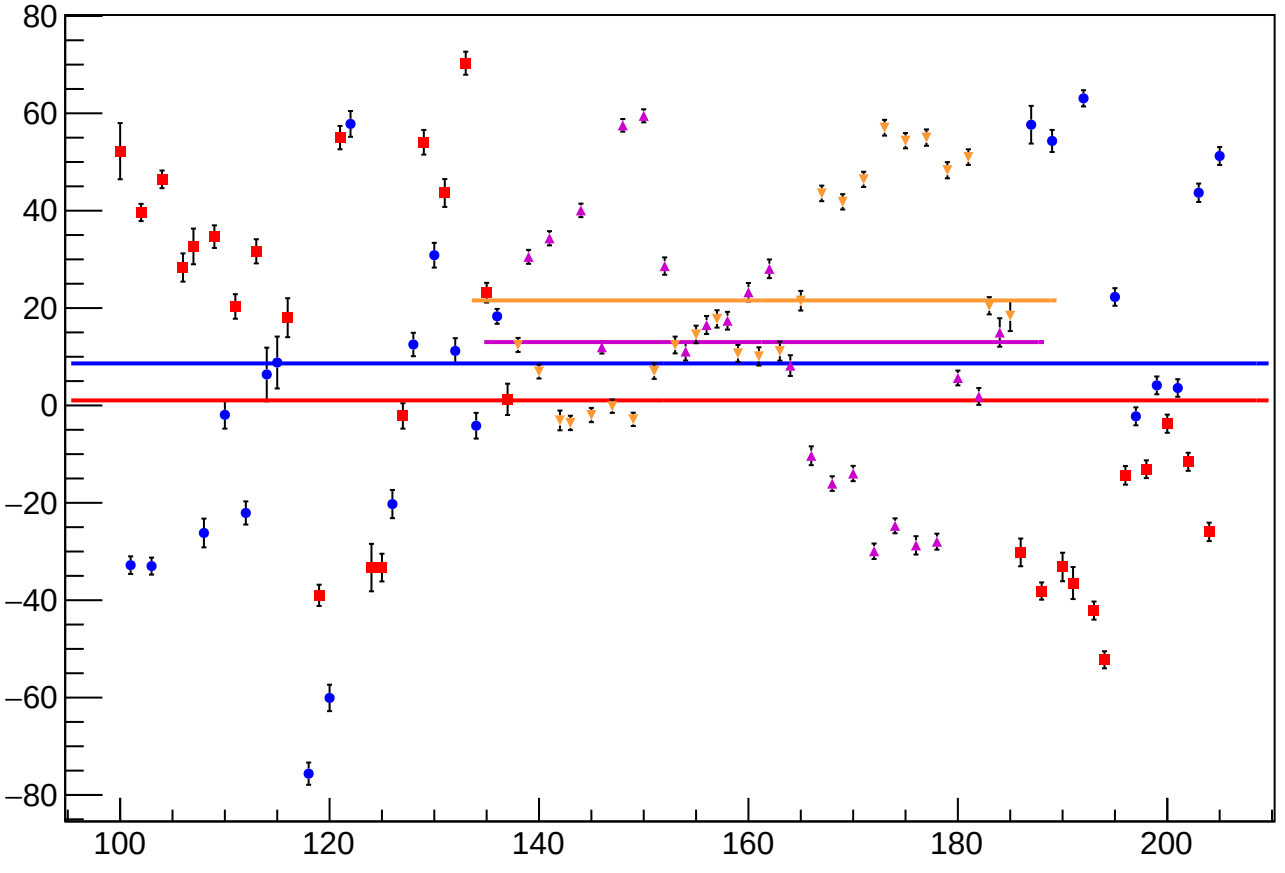
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1611.423+/-0.199 χ^2/NDF: 1219962.3/49

All: 1599.590+/-0.139 χ^2/NDF: 2646445.9/10

- sign 1588.173+/-0.195 χ^2/NDF: 1419521.0/52

diff_bpm0i02aY_mean vs Slug



Right In: 8.629+/-0.441 χ^2/NDF: 6611.5/24

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 1.037+/-0.422 χ^2/NDF: 7178.2/29

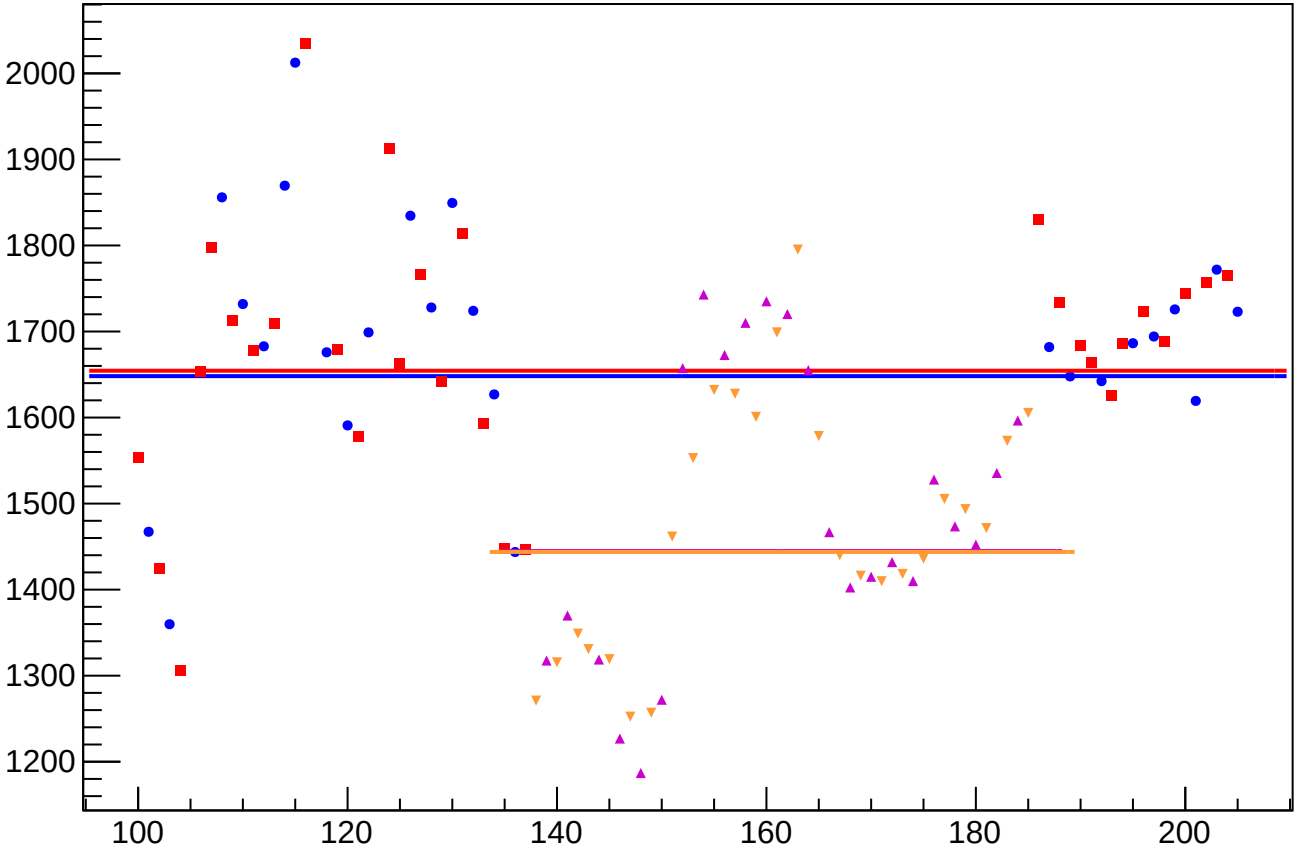
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.921+/-0.264 χ^2/NDF: 11324.4/49

All: 12.625+/-0.187 χ^2/NDF: 26148.4/102

- sign 8.304+/-0.265 χ^2/NDF: 14293.3/52

diff_bpm0i02aY_rms vs Slug



Right In: 1648.132+/-0.312 χ^2/NDF: 179751.8/24

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.438+/-0.299 χ^2/NDF: 214170.5/29

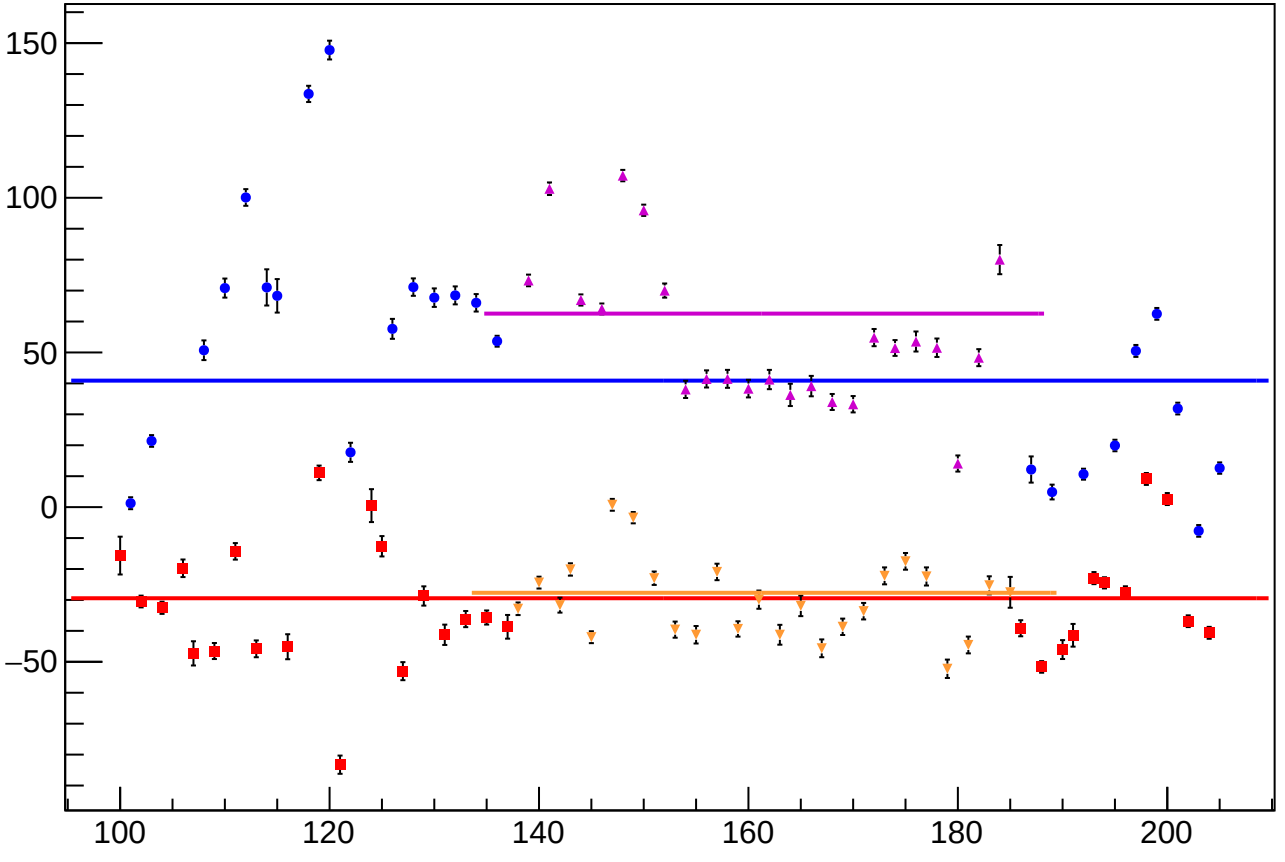
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1517.191+/-0.187 χ^2/NDF: 807562.1/49

All: 1522.205+/-0.132 χ^2/NDF: 1807299.5/10

- sign 1527.247+/-0.187 χ^2/NDF: 998291.7/52

diff_bpm0i05X_mean vs Slug



Right In: 40.892+/-0.474 χ^2/NDF: 5911.4/24

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -29.456+/-0.452 χ^2/NDF: 1890.3/29

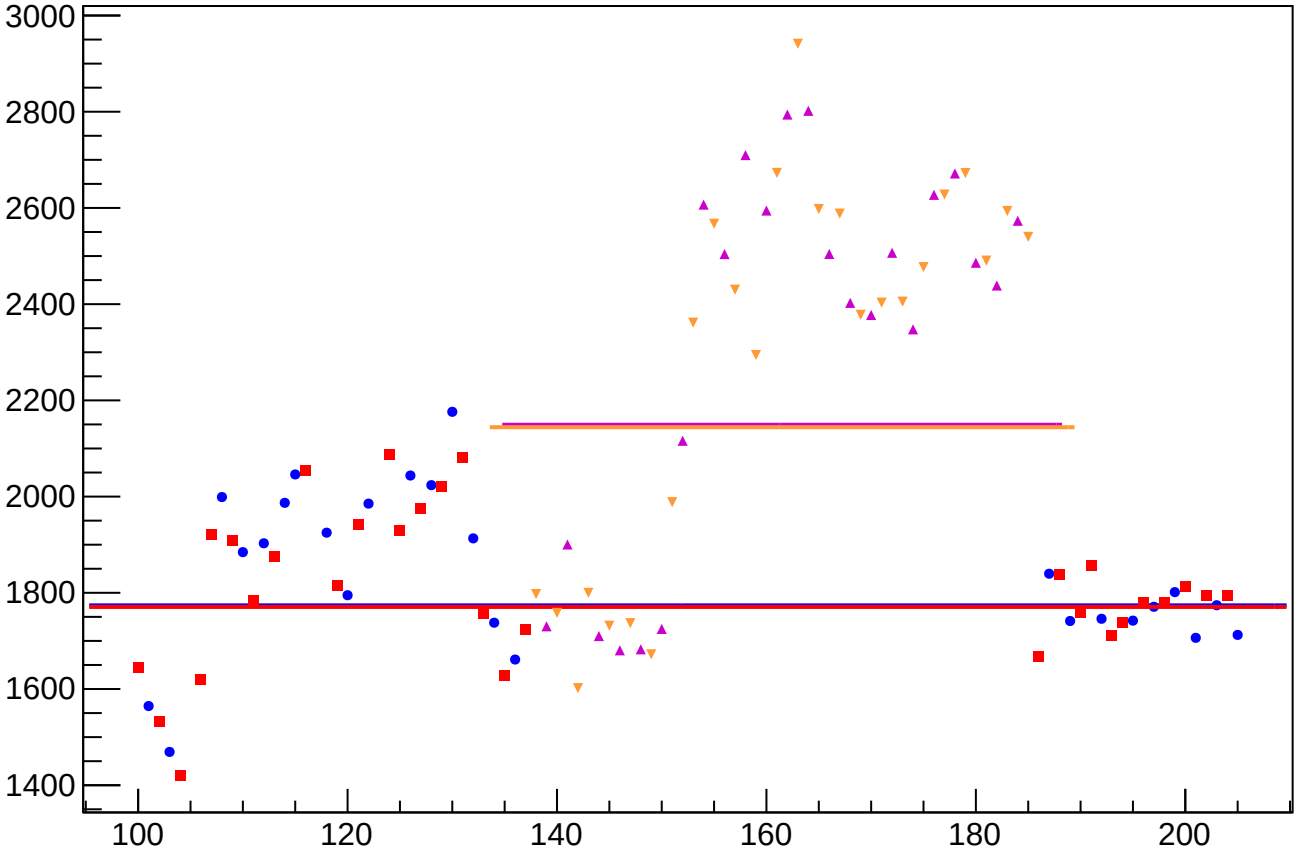
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.131+/-0.343 χ^2/NDF: 16663.2/49

All: 9.504+/-0.241 χ^2/NDF: 39213.0/102

- sign 10.843+/-0.339 χ^2/NDF: 22518.1/52

diff_bpm0i05X_rms vs Slug



Right In: 1773.902+/-0.335 χ^2/NDF: 202550.3/24

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1770.591+/-0.319 χ^2/NDF: 201054.1/29

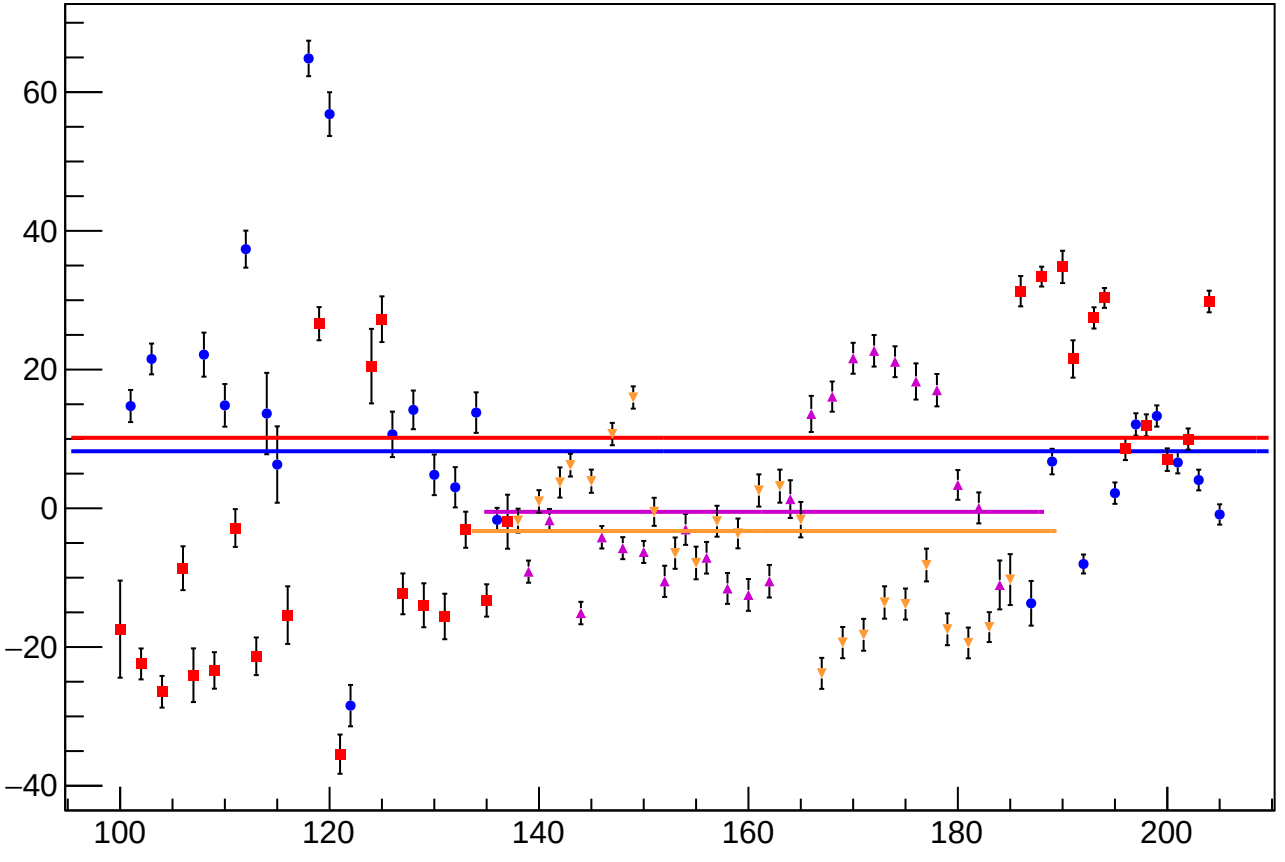
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1950.796+/-0.242 χ^2/NDF: 2064643.2/49

All: 1943.549+/-0.170 χ^2/NDF: 4148946.4/10

- sign 1936.478+/-0.239 χ^2/NDF: 2082537.6/52

diff_bpm0i05Y_mean vs Slug



Right In: 8.227+/-0.424 χ^2/NDF: 1379.6/24

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

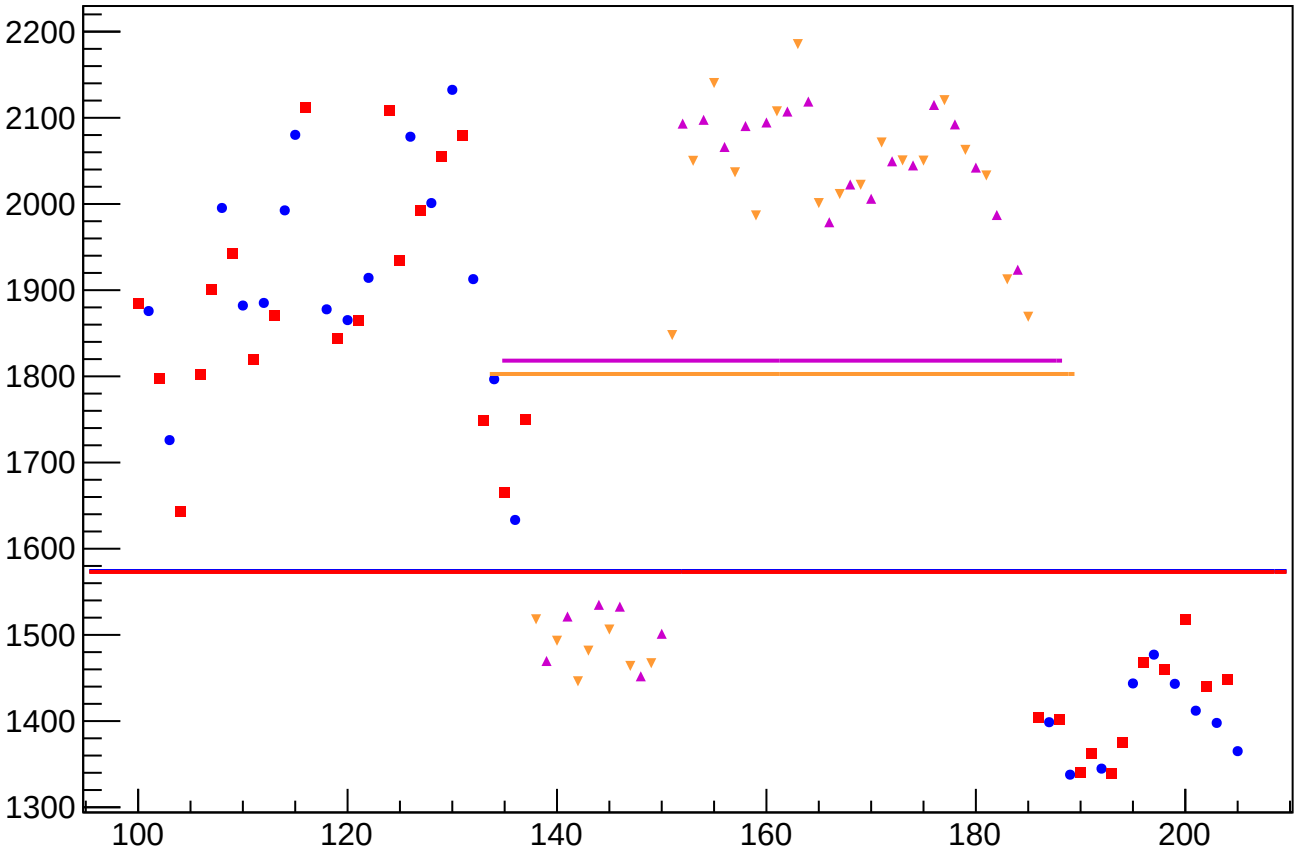
Right Out: 10.166+/-0.404 χ^2/NDF: 2590.2/29

Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.345+/-0.297 χ^2/NDF: 2426.7/49

All: 3.761+/-0.209 χ^2/NDF: 6135.6/102

- sign 5.156+/-0.294 χ^2/NDF: 3663.6/52



Right In: 1574.125+/-0.300 χ^2/NDF: 653781.4/24

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1573.019+/-0.286 χ^2/NDF: 612820.9/29

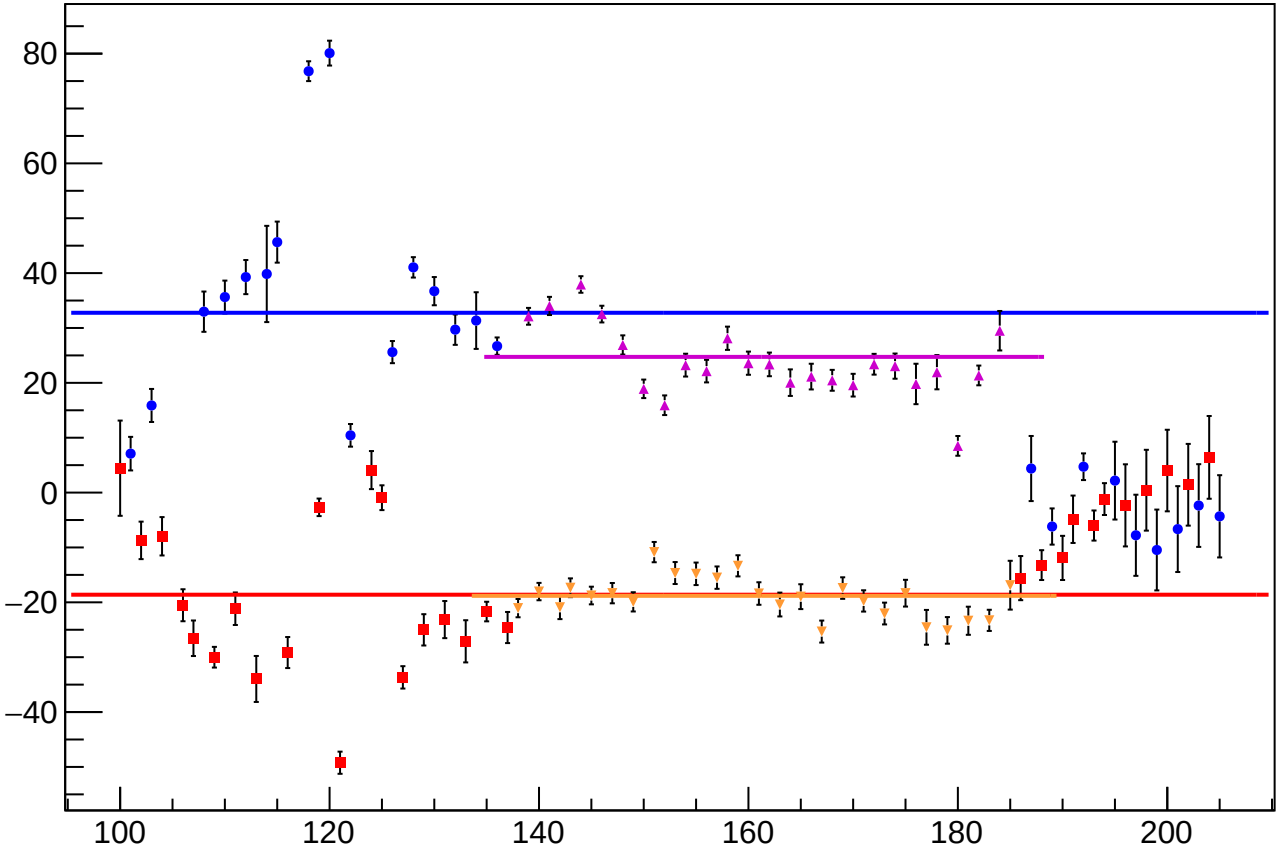
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1691.049+/-0.210 χ^2/NDF: 1848227.5/49

All: 1689.552+/-0.148 χ^2/NDF: 3647048.6/10

- sign 1688.077+/-0.208 χ^2/NDF: 1798719.9/52

diff_bpm0i07X_mean vs Slug



Right In: 32.770+/-0.579 χ^2/NDF: 1767.2/24

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.612+/-0.535 χ^2/NDF: 716.8/29

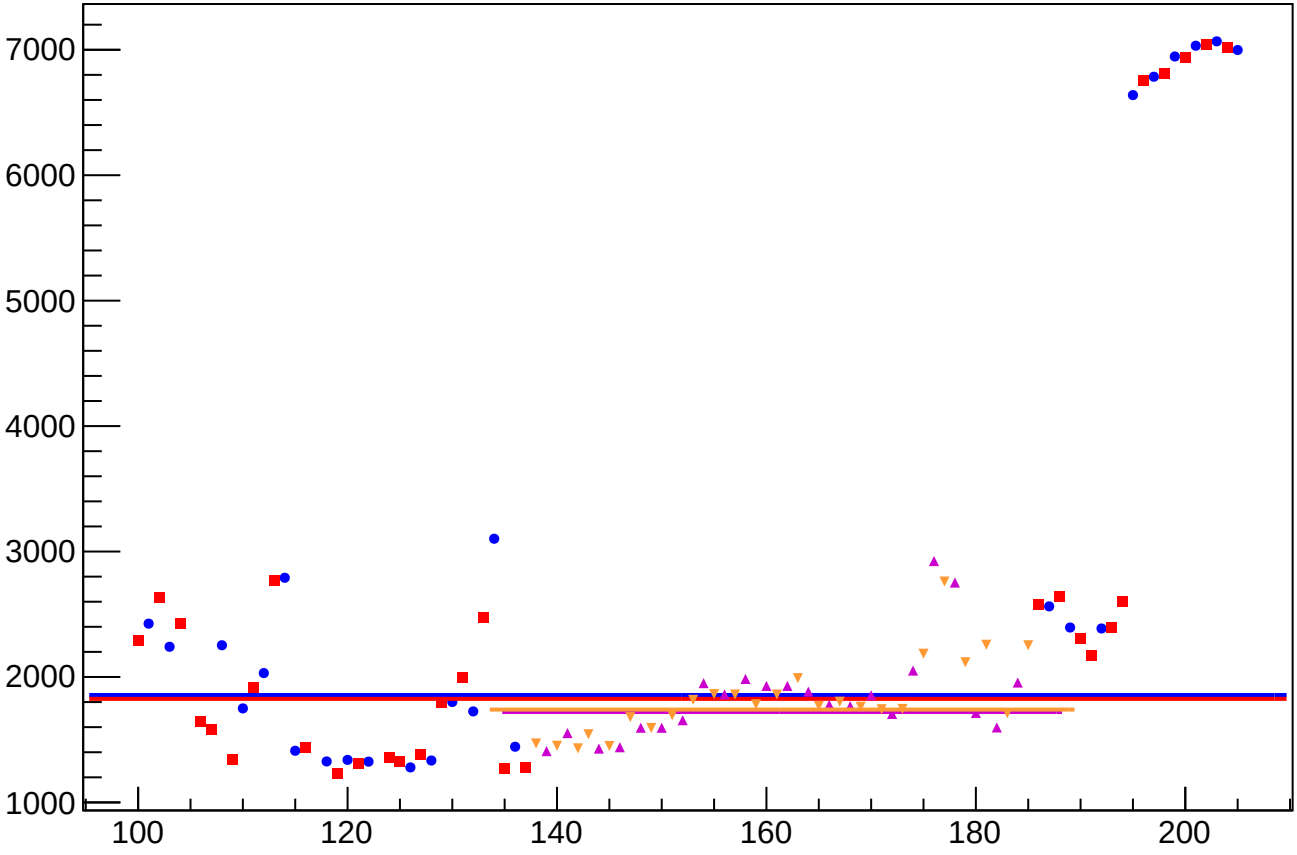
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.055+/-0.330 χ^2/NDF: 7194.3/49

All: 3.434+/-0.232 χ^2/NDF: 12910.1/102

- sign 8.742+/-0.325 χ^2/NDF: 5172.4/52

diff_bpm0i07X_rms vs Slug



Right In: 1856.486+/-0.410 χ^2/NDF: 6876364.7/24

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1825.432+/-0.378 χ^2/NDF: 6619707.6/29

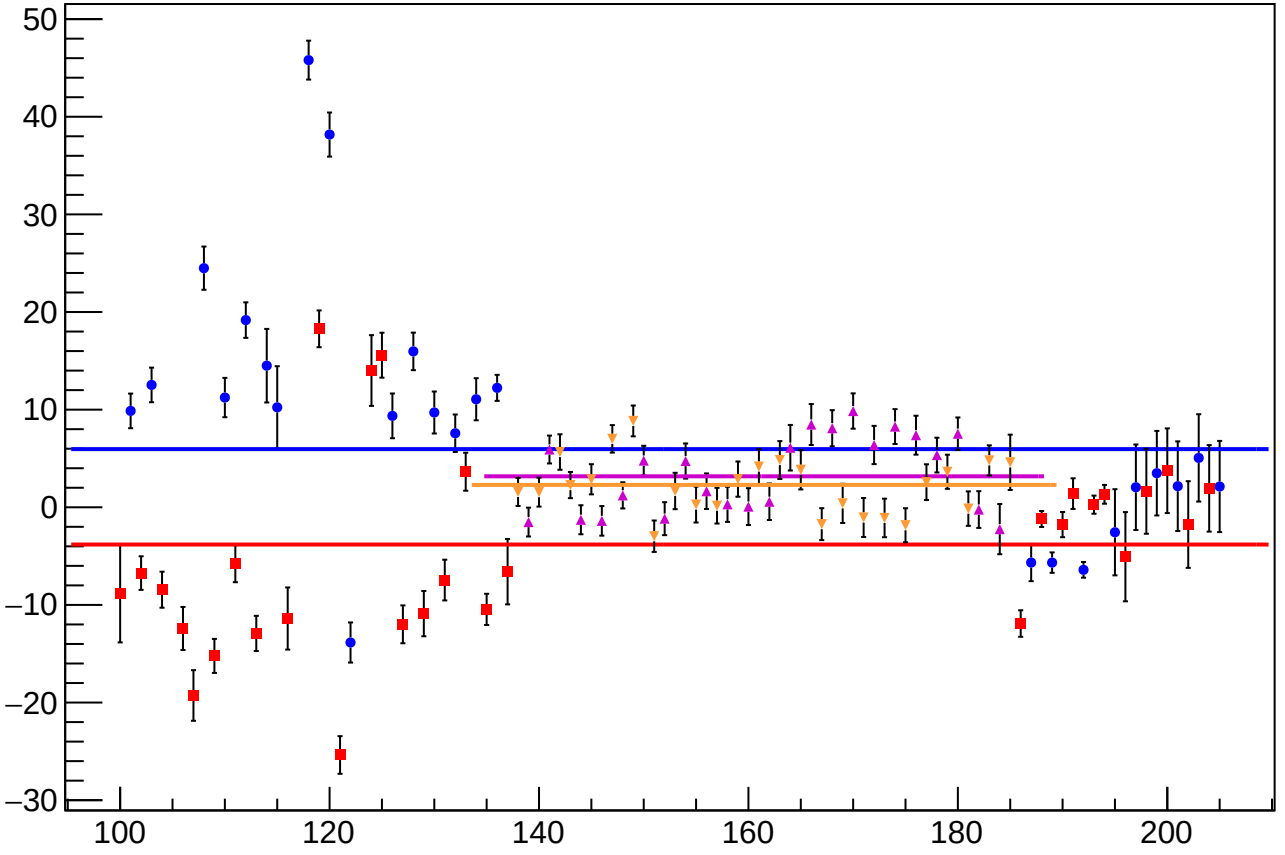
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1777.907+/-0.234 χ^2/NDF: 7684240.8/49

All: 1768.519+/-0.164 χ^2/NDF: 15239399.8/1

- sign 1759.440+/-0.230 χ^2/NDF: 7551979.5/52

diff_bpm0i07Y_mean vs Slug



Right In: 5.957+/-0.379 χ^2/NDF: 1316.4/24

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.815+/-0.319 χ^2/NDF: 670.5/29

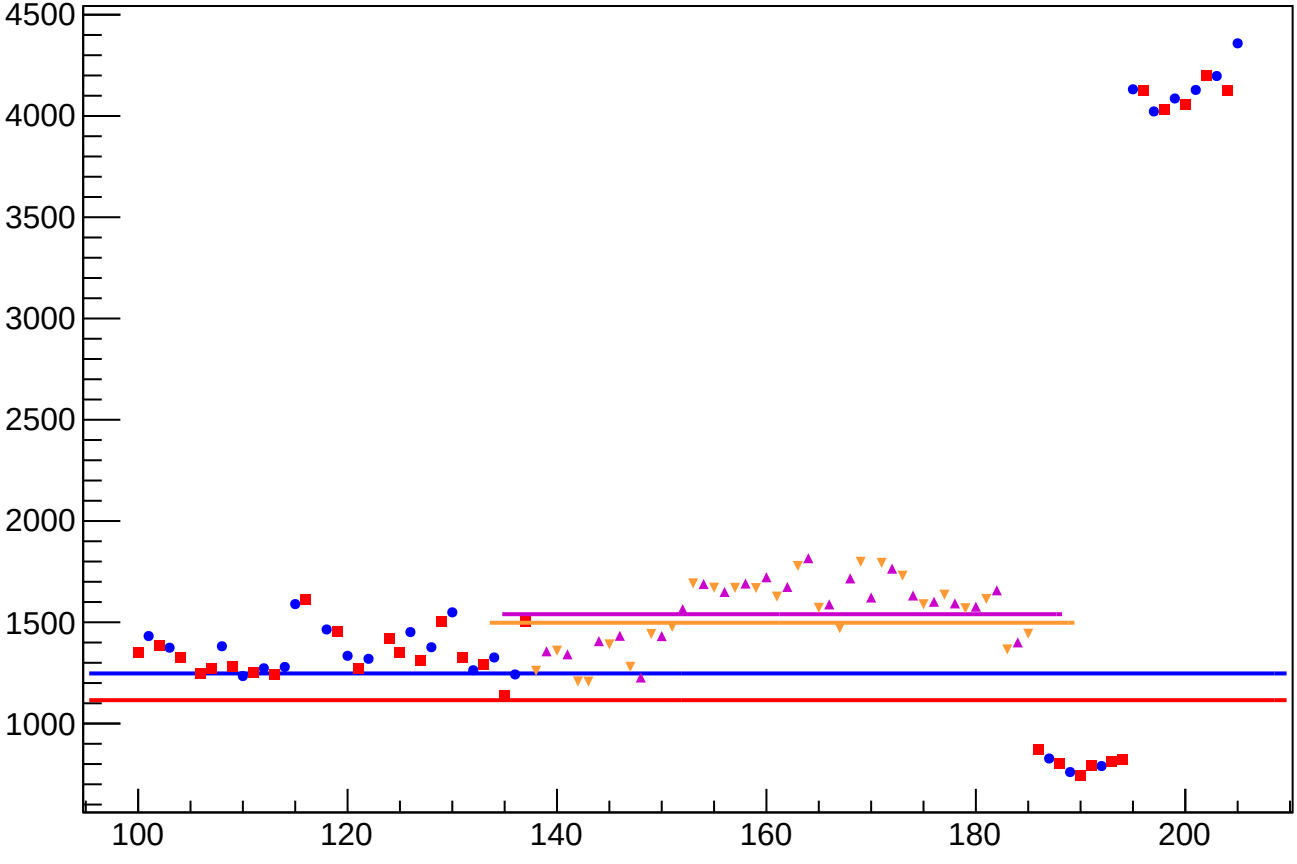
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.946+/-0.254 χ^2/NDF: 1441.2/49

All: 1.449+/-0.174 χ^2/NDF: 2613.2/102

- sign -0.764+/-0.239 χ^2/NDF: 990.3/52

diff_bpm0i07Y_rms vs Slug



Right In: 1247.370+/-0.268 χ^2/NDF: 6392478.1/24

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1115.405+/-0.226 χ^2/NDF: 6020429.3/29

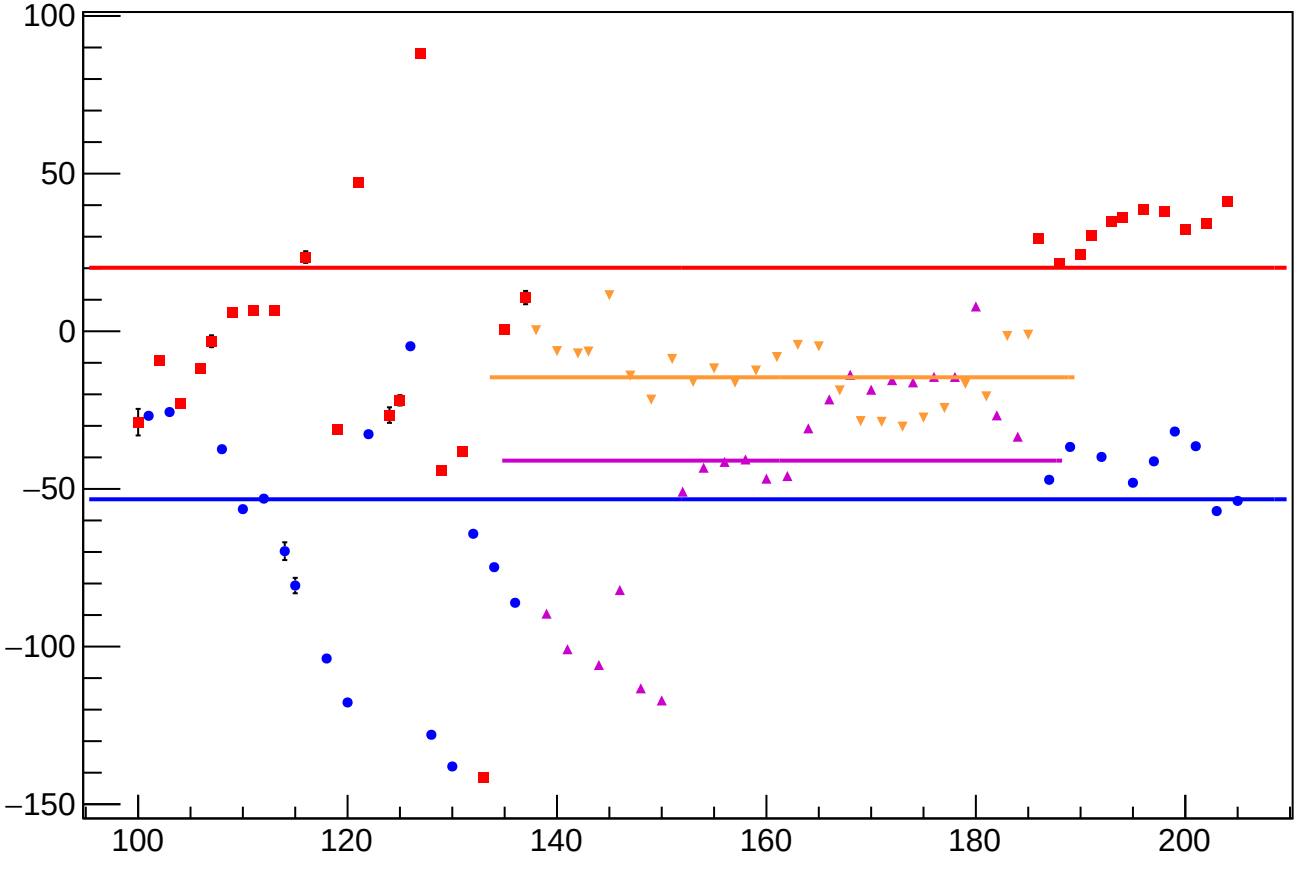
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1384.746+/-0.180 χ^2/NDF: 7440547.4/49

All: 1340.190+/-0.123 χ^2/NDF: 15502635.3/1

- sign 1300.720+/-0.169 χ^2/NDF: 7946427.2/52

diff_bpm1i02X_mean vs Slug



Right In: -53.285+/-0.201 χ^2/NDF: 17757.4/24

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 20.151+/-0.190 χ^2/NDF: 30894.0/29

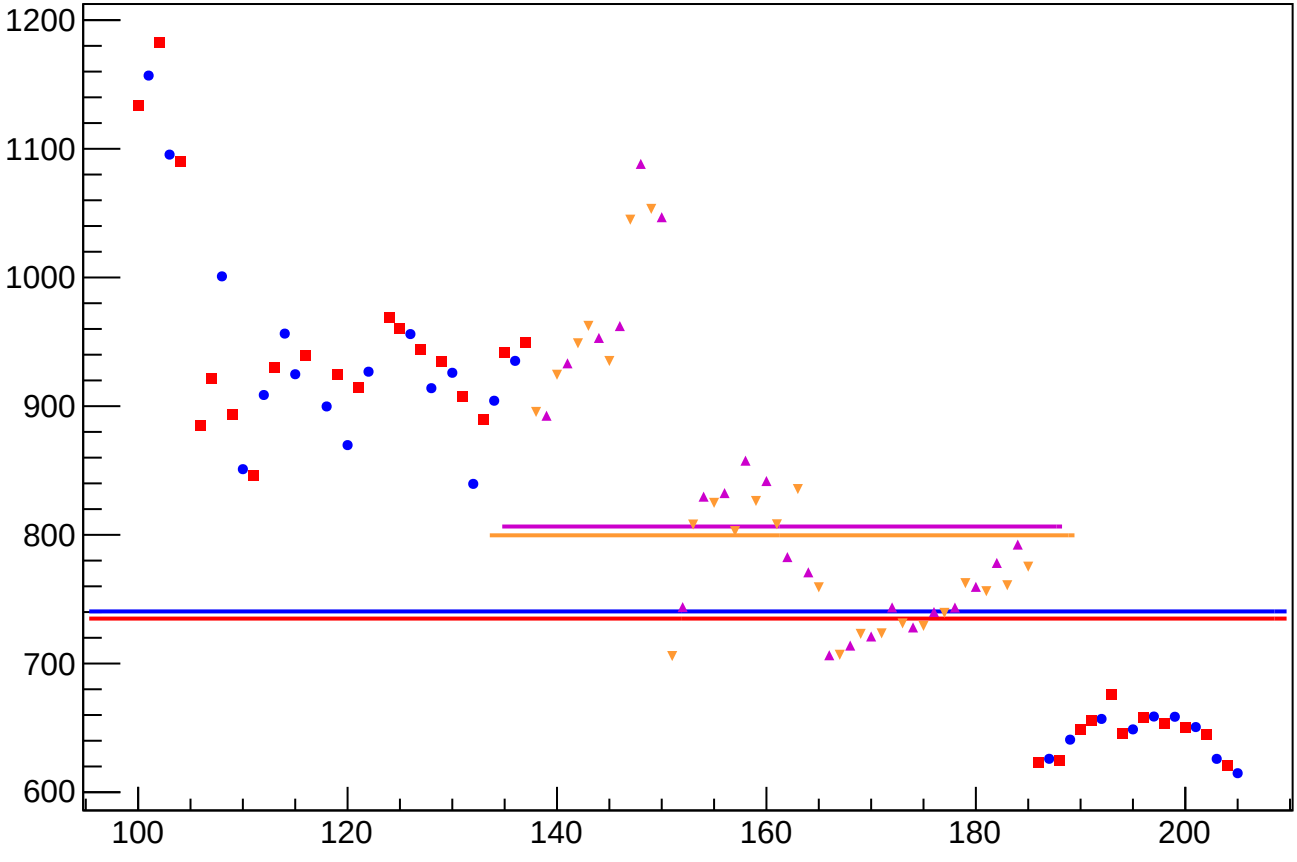
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -32.131+/-0.135 χ^2/NDF: 41184.4/49

All: -21.257+/-0.095 χ^2/NDF: 167783.4/102

- sign -10.524+/-0.134 χ^2/NDF: 113758.8/52

diff_bpm1i02X_rms vs Slug



Right In: 740.501+/-0.142 χ^2/NDF: 1058824.3/24

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 734.931+/-0.135 χ^2/NDF: 1144052.1/29

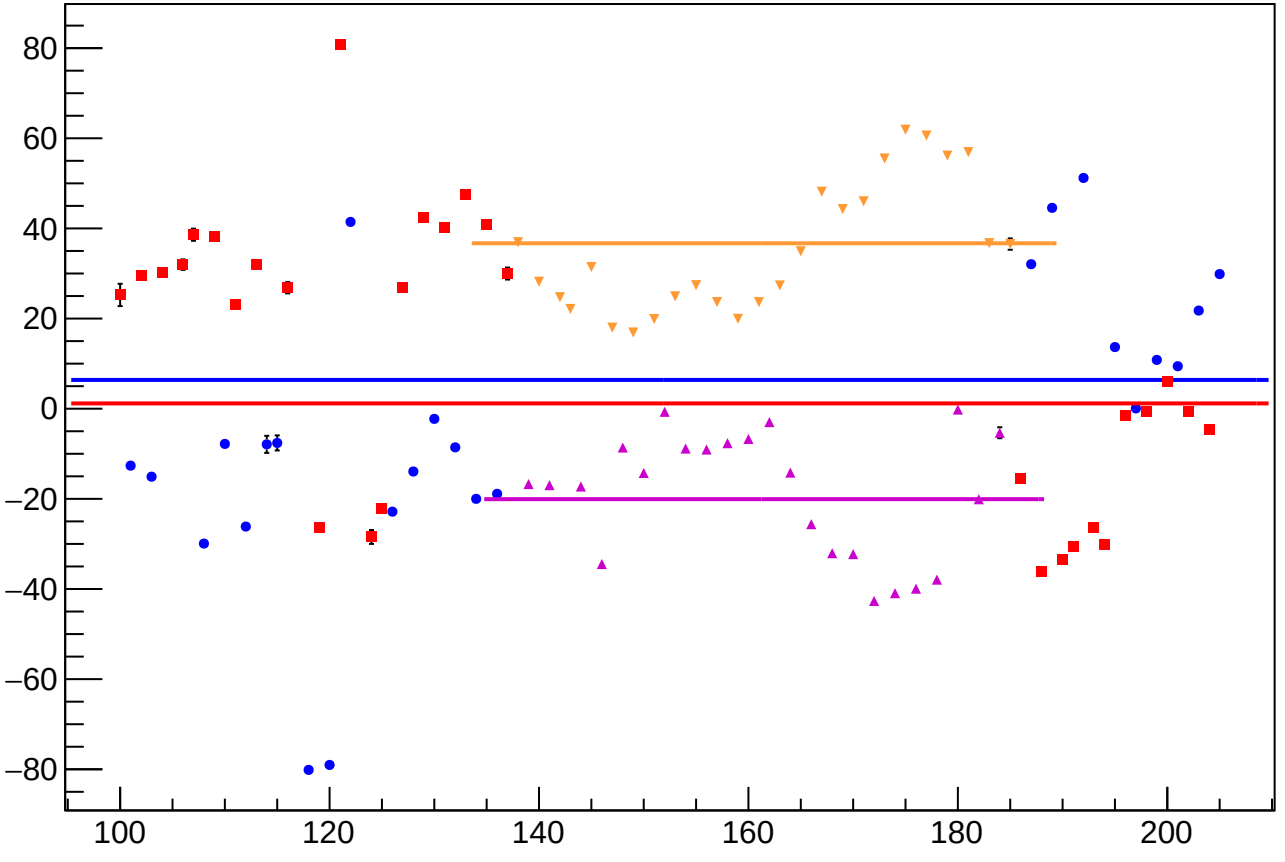
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 772.836+/-0.096 χ^2/NDF: 1650974.8/49

All: 771.816+/-0.067 χ^2/NDF: 3448264.9/102

- sign 770.809+/-0.095 χ^2/NDF: 1797063.9/52

diff_bpm1i02Y_mean vs Slug



Right In: 6.385+/-0.146 χ^2/NDF: 41330.1/24

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 1.175+/-0.138 χ^2/NDF: 43099.8/29

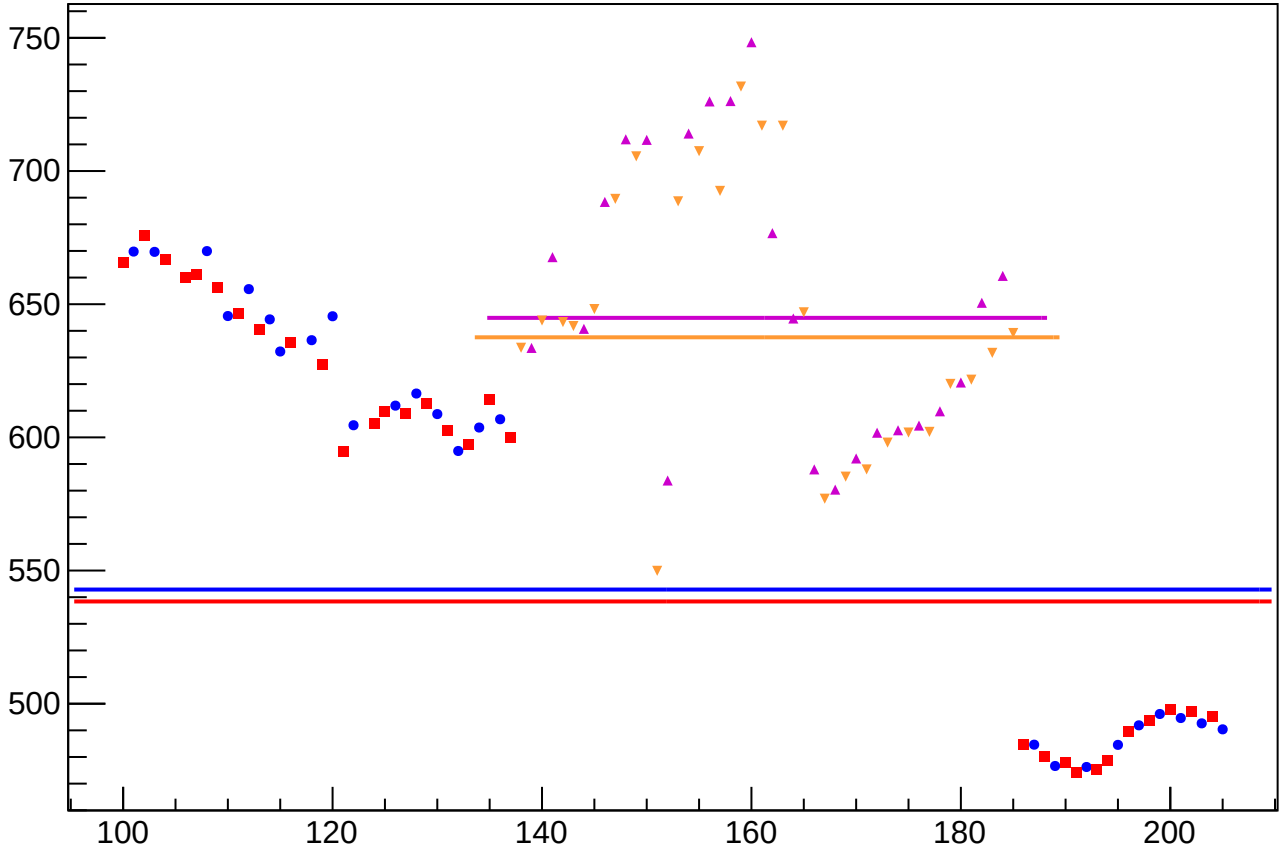
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.575+/-0.103 χ^2/NDF: 73250.7/49

All: 6.402+/-0.072 χ^2/NDF: 178711.6/102

- sign -8.475+/-0.102 χ^2/NDF: 62430.0/52

diff_bpm1i02Y_rms vs Slug



Right In: 542.868+/-0.103 χ^2/NDF: 477395.0/24

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 538.395+/-0.098 χ^2/NDF: 522530.4/29

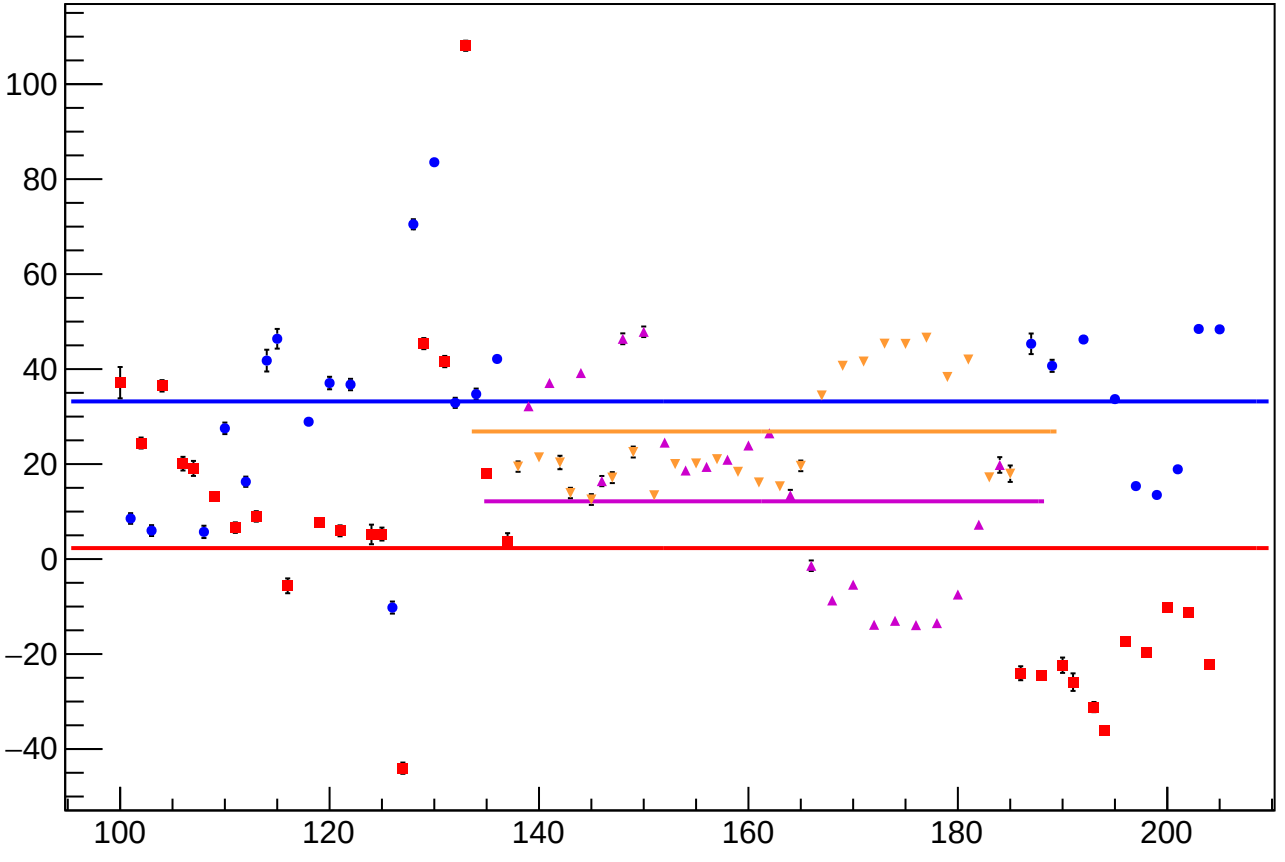
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 590.315+/-0.073 χ^2/NDF: 1137127.5/49

All: 588.520+/-0.051 χ^2/NDF: 2431491.3/102

- sign 586.760+/-0.072 χ^2/NDF: 1293159.4/52

diff_bpm1i04X_mean vs Slug



Right In: 33.196+/-0.225 χ^2/NDF: 8296.0/24

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 2.311+/-0.217 χ^2/NDF: 21680.3/29

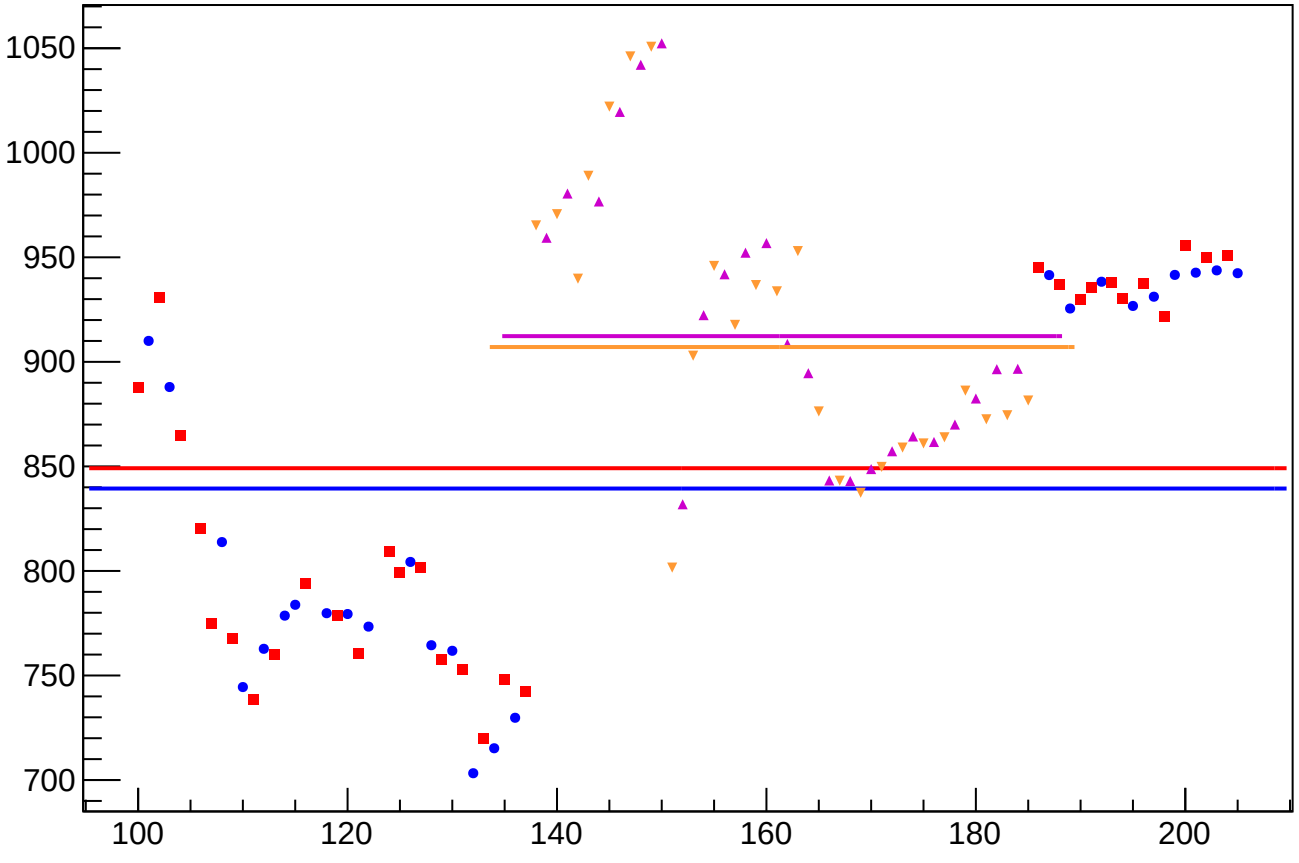
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 29.766+/-0.152 χ^2/NDF: 12116.1/49

All: 18.545+/-0.108 χ^2/NDF: 54278.2/102

\- sign 7.309+/-0.152 χ^2/NDF: 31273.2/52

diff_bpm1i04X_rms vs Slug



Right In: 839.415+/-0.159 χ^2/NDF: 321993.8/24

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 849.132+/-0.153 χ^2/NDF: 323349.5/29

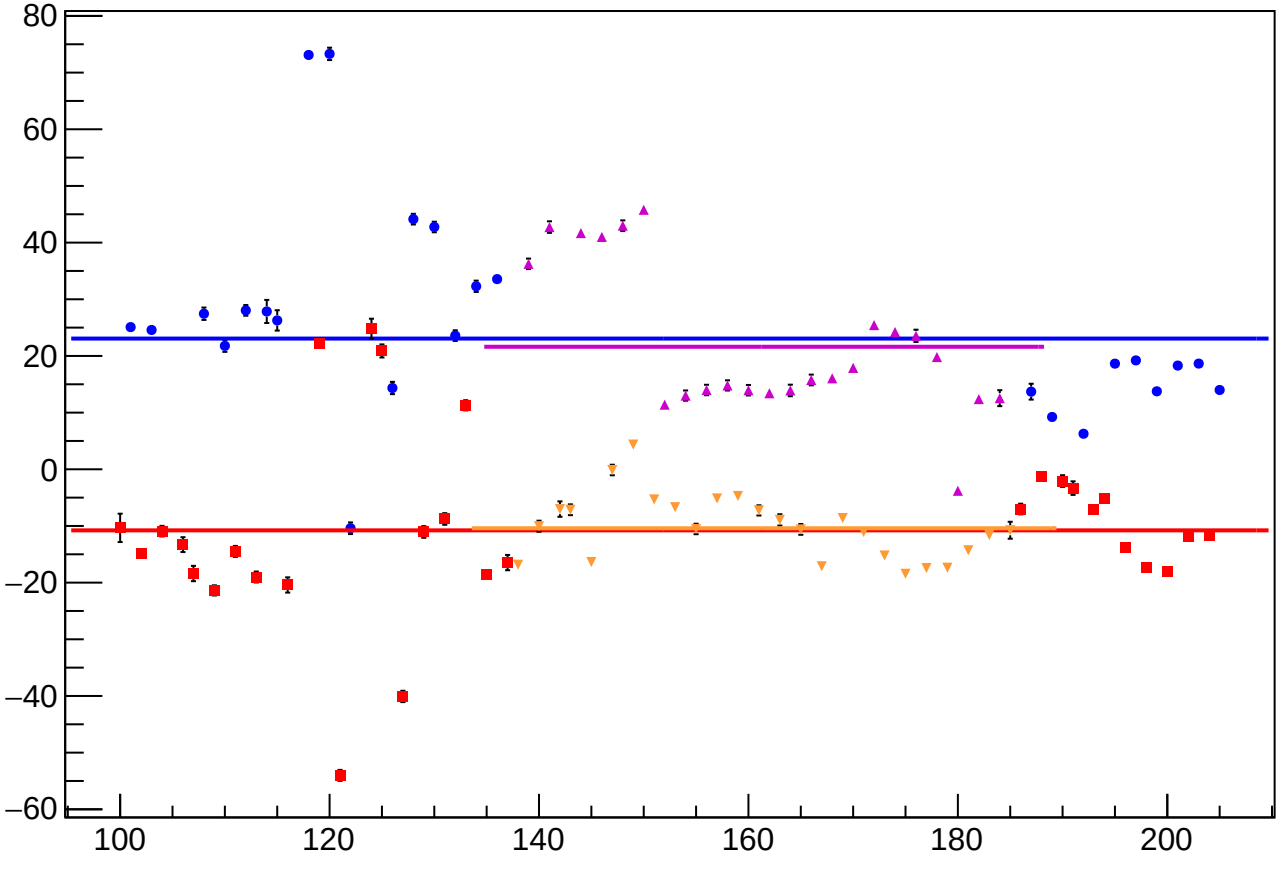
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 876.082+/-0.108 χ^2/NDF: 614853.7/49

All: 878.635+/-0.076 χ^2/NDF: 1200119.9/102

- sign 881.191+/-0.108 χ^2/NDF: 584138.8/52

diff_bpm1i04Y_mean vs Slug



Right In: 23.067+/-0.164 χ^2/NDF: 9613.5/24

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.775+/-0.160 χ^2/NDF: 7303.2/29

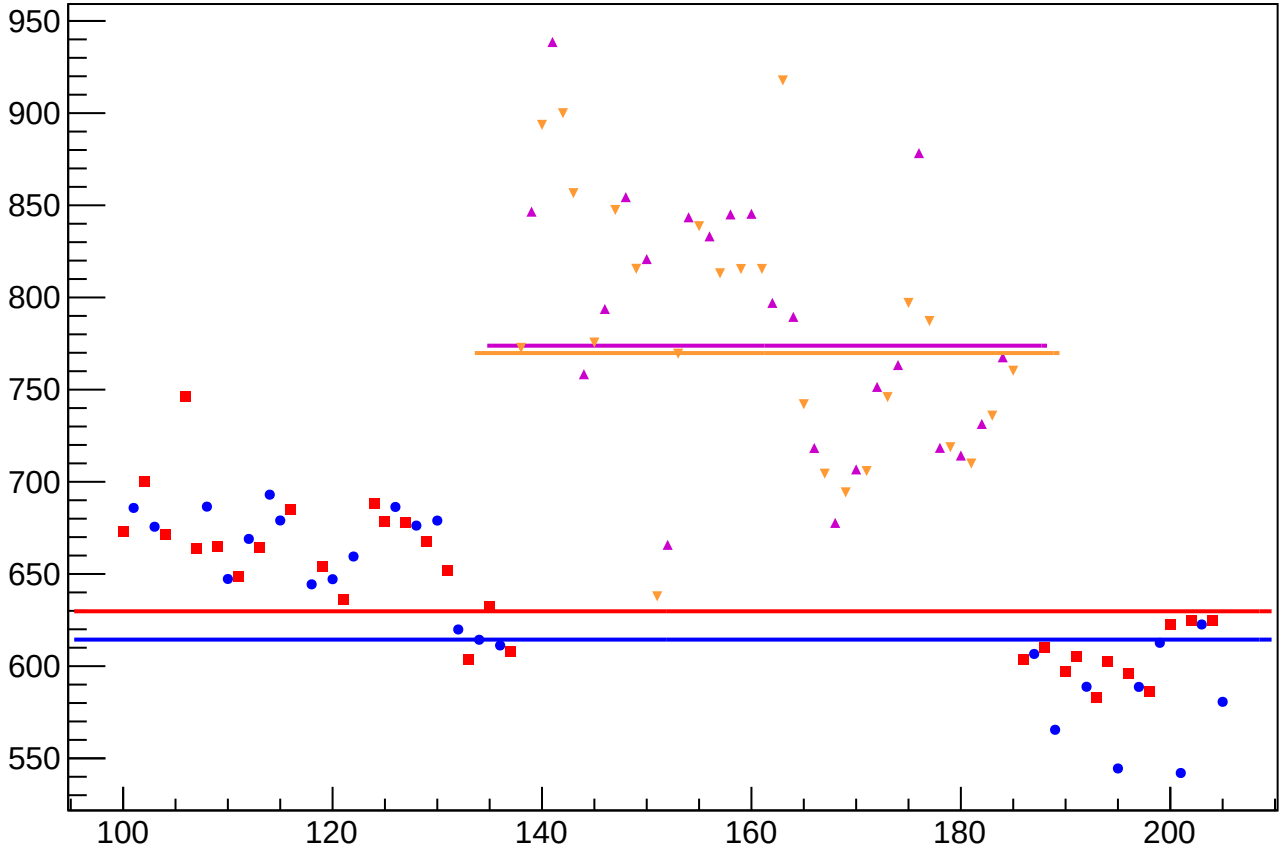
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 7.460+/-0.120 χ^2/NDF: 29962.1/49

All: 5.431+/-0.085 χ^2/NDF: 60914.1/102

- sign 3.397+/-0.120 χ^2/NDF: 30381.1/52

diff_bpm1i04Y_rms vs Slug



Right In: 614.403+/-0.116 χ^2/NDF: 159338.7/24

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.766+/-0.113 χ^2/NDF: 97503.2/29

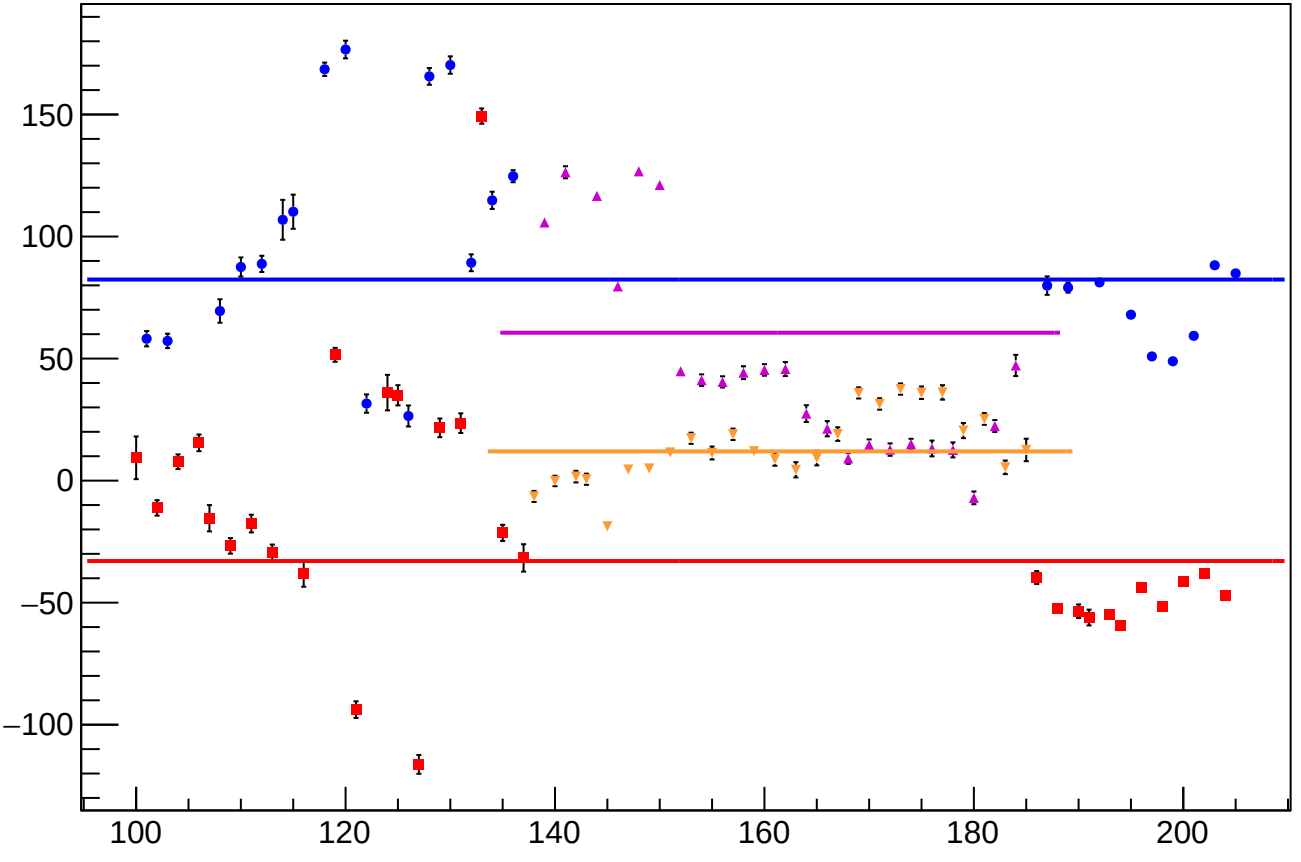
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 686.879+/-0.085 χ^2/NDF: 1296602.6/49

All: 689.832+/-0.060 χ^2/NDF: 2384962.9/102

- sign 692.793+/-0.085 χ^2/NDF: 1085941.5/52

diff_bpm1i06X_mean vs Slug



Right In: 82.383+/-0.506 χ^2/NDF: 4683.9/24

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -32.941+/-0.489 χ^2/NDF: 7162.0/29

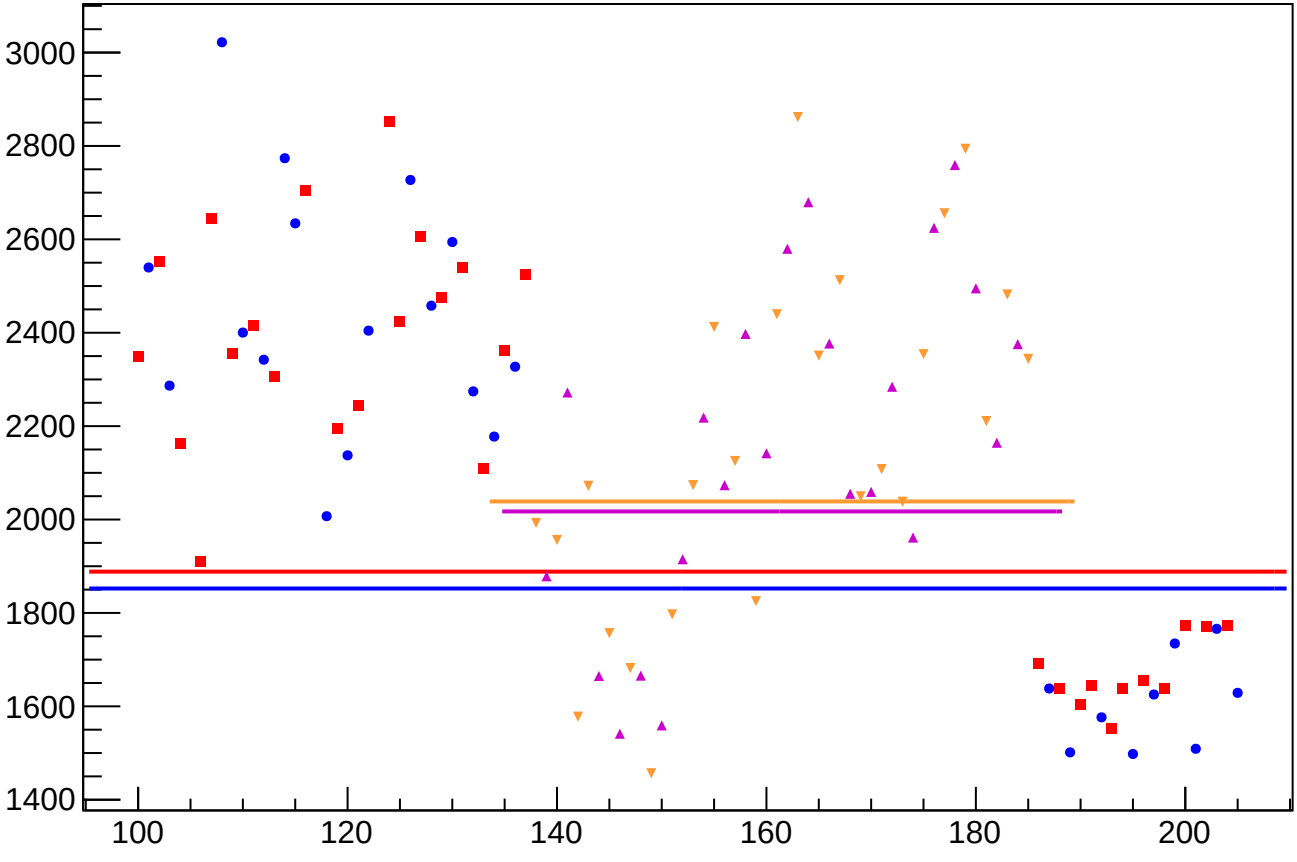
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 44.686+/-0.345 χ^2/NDF: 15982.5/49

All: 29.550+/-0.243 χ^2/NDF: 54207.6/102

- sign 14.606+/-0.343 χ^2/NDF: 34401.5/52

diff_bpm1i06X_rms vs Slug



Right In: 1852.337+/-0.358 χ^2/NDF: 1179419.6/24

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1888.411+/-0.346 χ^2/NDF: 967890.0/29

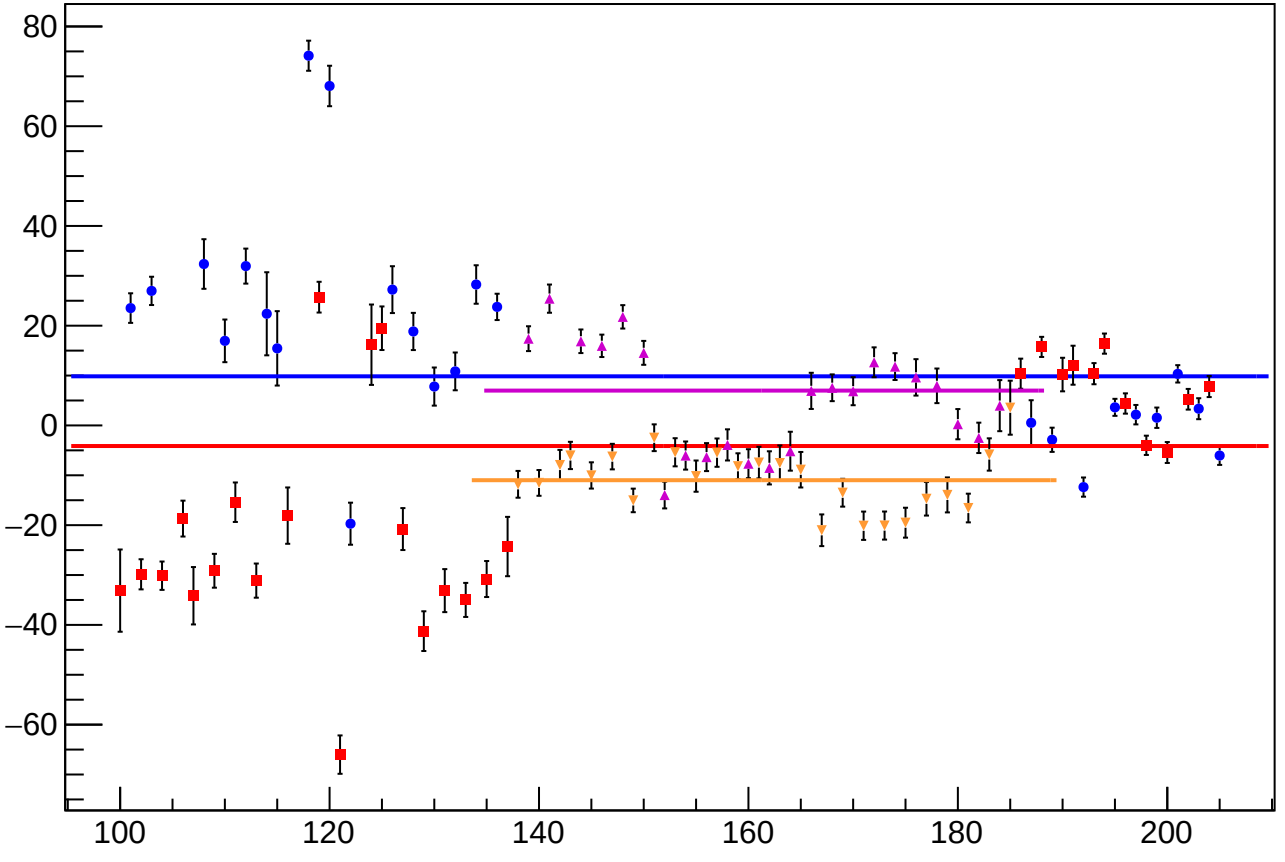
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1952.182+/-0.244 χ^2/NDF: 2448171.2/49

All: 1953.068+/-0.172 χ^2/NDF: 4536796.7/10

- sign 1953.942+/-0.242 χ^2/NDF: 2088599.4/52

diff_bpm1i06Y_mean vs Slug



Right In: 9.846+/-0.549 χ^2/NDF: 1194.5/24

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -4.132+/-0.543 χ^2/NDF: 1402.3/29

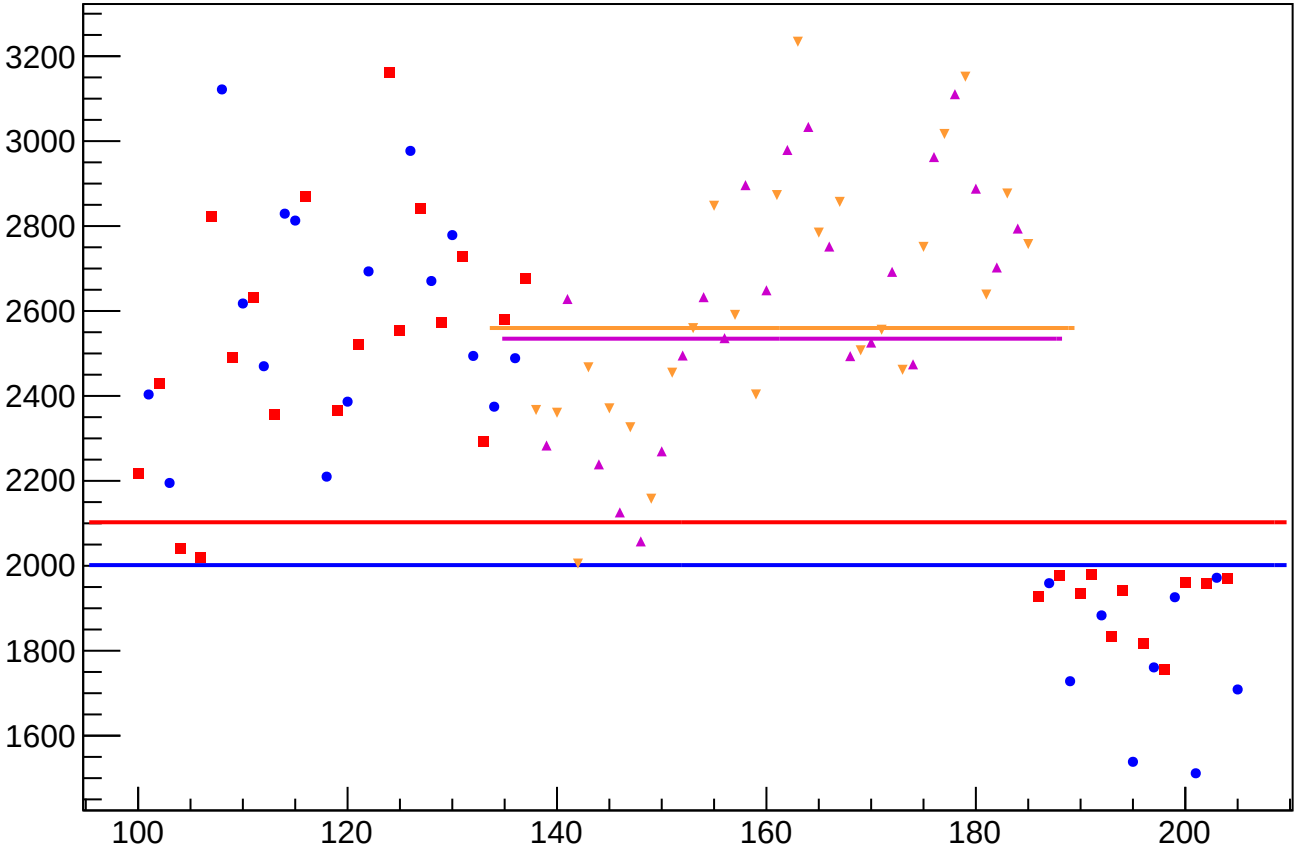
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign 0.104+/-0.401 χ^2/NDF: 1955.1/49

All: 0.492+/-0.284 χ^2/NDF: 3888.2/102

- sign 0.883+/-0.402 χ^2/NDF: 1931.2/52

diff_bpm1i06Y_rms vs Slug



Right In: 2001.636+/-0.388 χ^2/NDF: 1125130.7/24

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

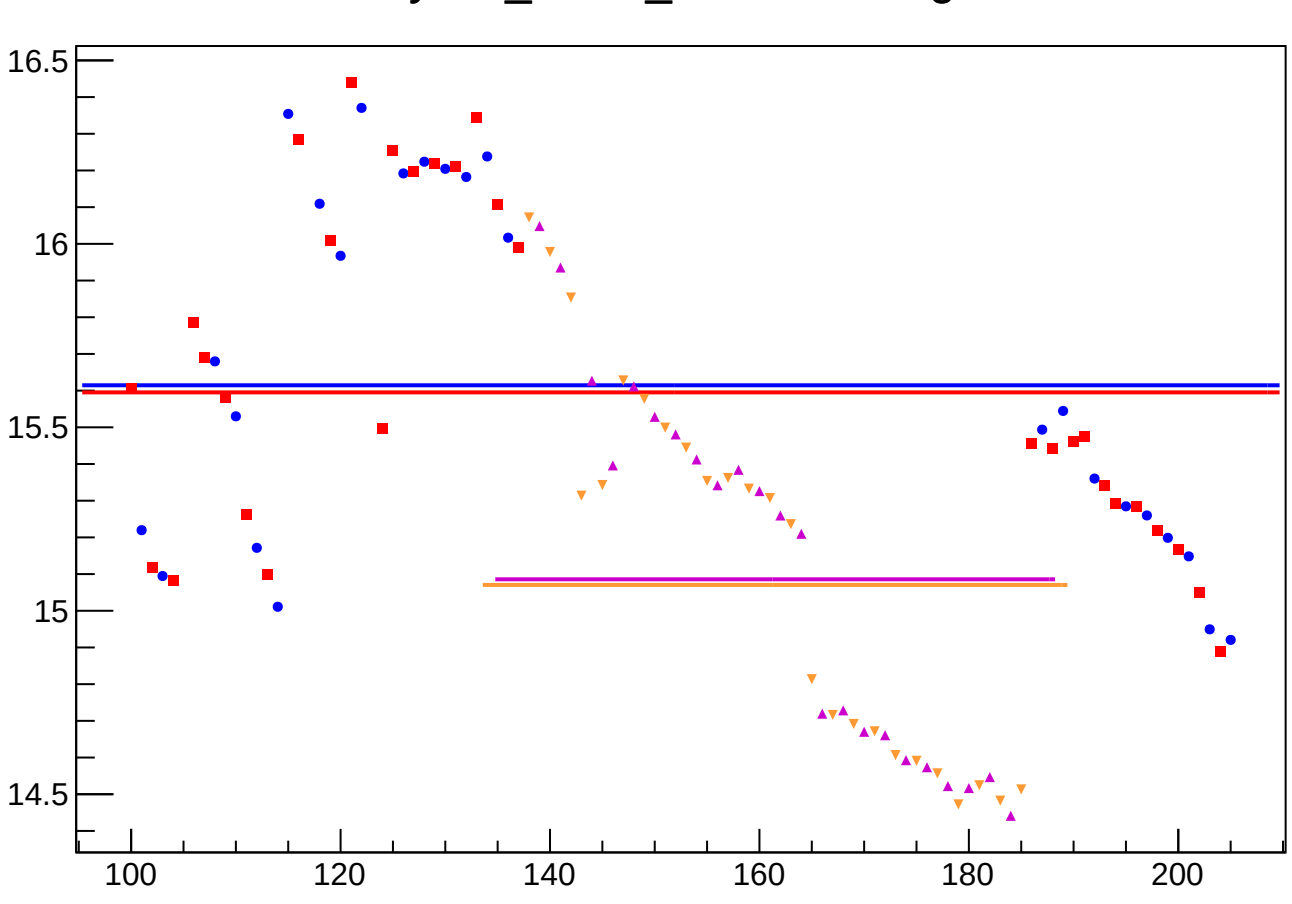
Right Out: 2102.524+/-0.384 χ^2/NDF: 649119.3/29

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

\+ sign 2262.722+/-0.283 χ^2/NDF: 2542087.6/49

All: 2280.059+/-0.201 χ^2/NDF: 4235065.6/10

\- sign 2297.508+/-0.284 χ^2/NDF: 1685464.1/52



Right In: 15.615+/-0.000 χ^2/NDF: 16951990864.6/24

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.595+/-0.000 χ^2/NDF: 15785620885.6/29

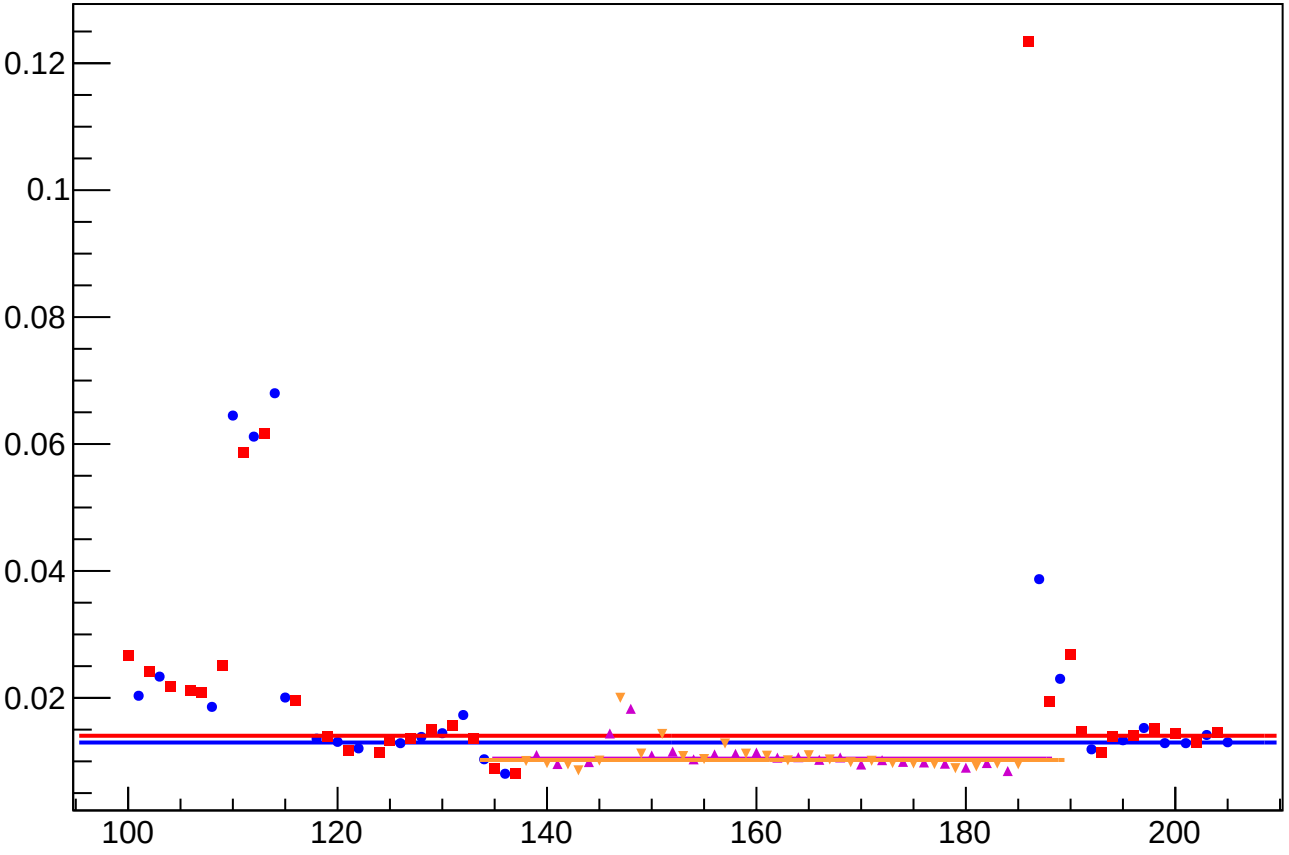
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.228+/-0.000 χ^2/NDF: 75572776464.3/49

All: 15.232+/-0.000 χ^2/NDF: 142908040218.

- sign 15.235+/-0.000 χ^2/NDF: 67328896193.8/52

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2750845.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

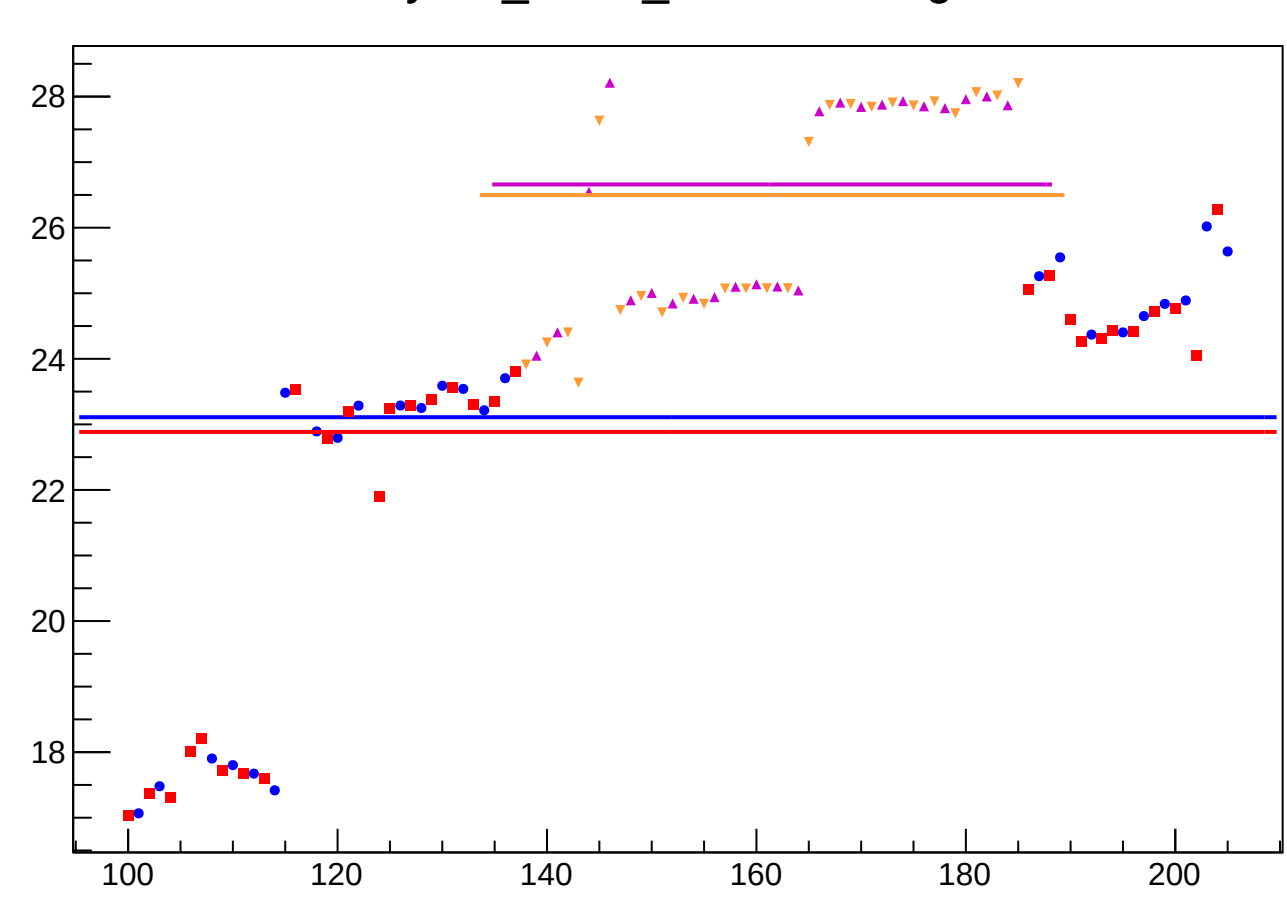
Right Out: 0.014+/-0.000 χ^2/NDF: 3245867.5/29

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4273176.0/49

All: 0.011+/-0.000 χ^2/NDF: 9374885.5/102

- sign 0.011+/-0.000 χ^2/NDF: 5049371.3/52



Right In: 23.109+/-0.000 χ^2/NDF: 1551182926.4/24

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.885+/-0.000 χ^2/NDF: 1618907323.9/29

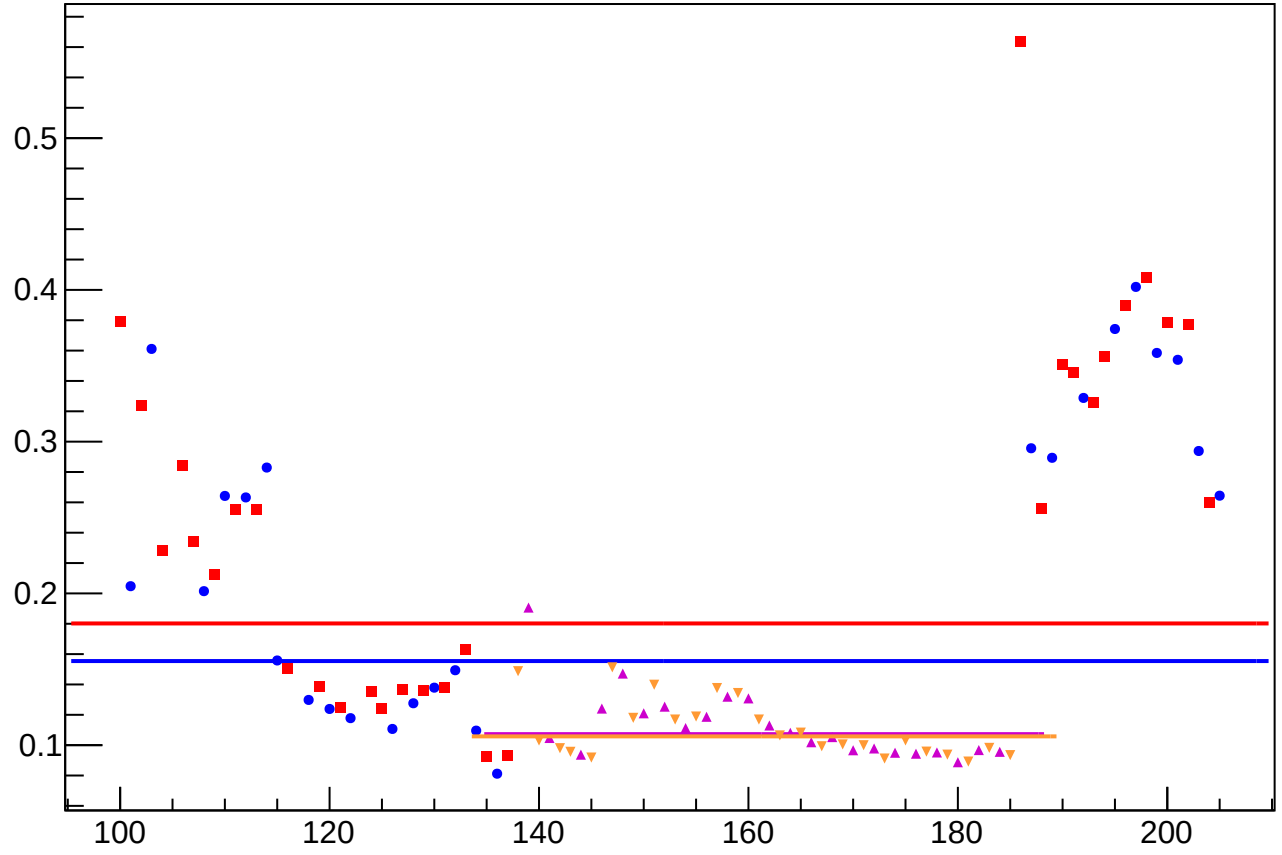
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.768+/-0.000 χ^2/NDF: 9125252371.1/49

All: 25.826+/-0.000 χ^2/NDF: 17598672270.3

- sign 25.889+/-0.000 χ^2/NDF: 8460290744.6/52

yield_sam2_rms vs Slug



Right In: 0.155+/-0.000 χ^2/NDF: 6149726.2/24

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

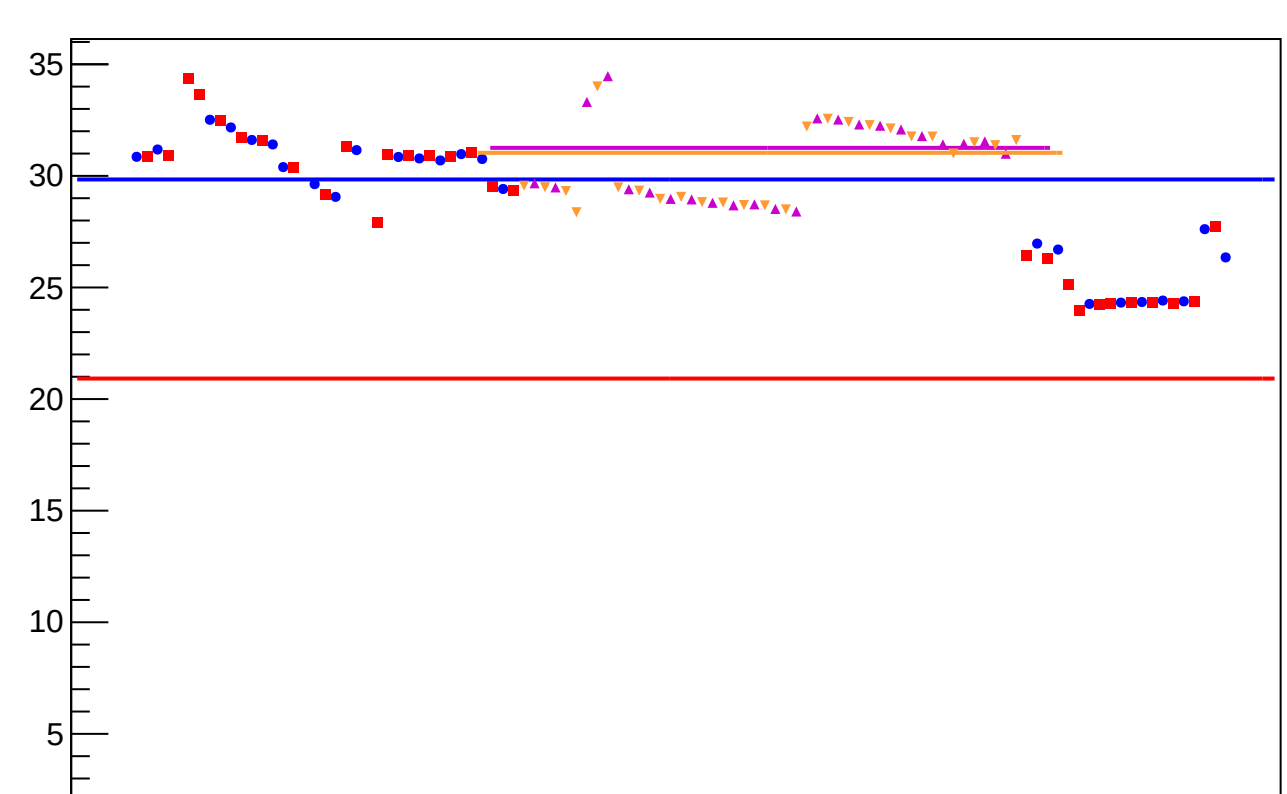
Right Out: 0.180+/-0.000 χ^2/NDF: 5970155.2/29

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.116+/-0.000 χ^2/NDF: 8478709.0/49

All: 0.119+/-0.000 χ^2/NDF: 18319903.5/102

- sign 0.122+/-0.000 χ^2/NDF: 9783314.7/52



Right In: 29.840+/-0.000 χ^2/NDF: 3714303373.3/24

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.919+/-0.000 χ^2/NDF: 225630050639.9/29

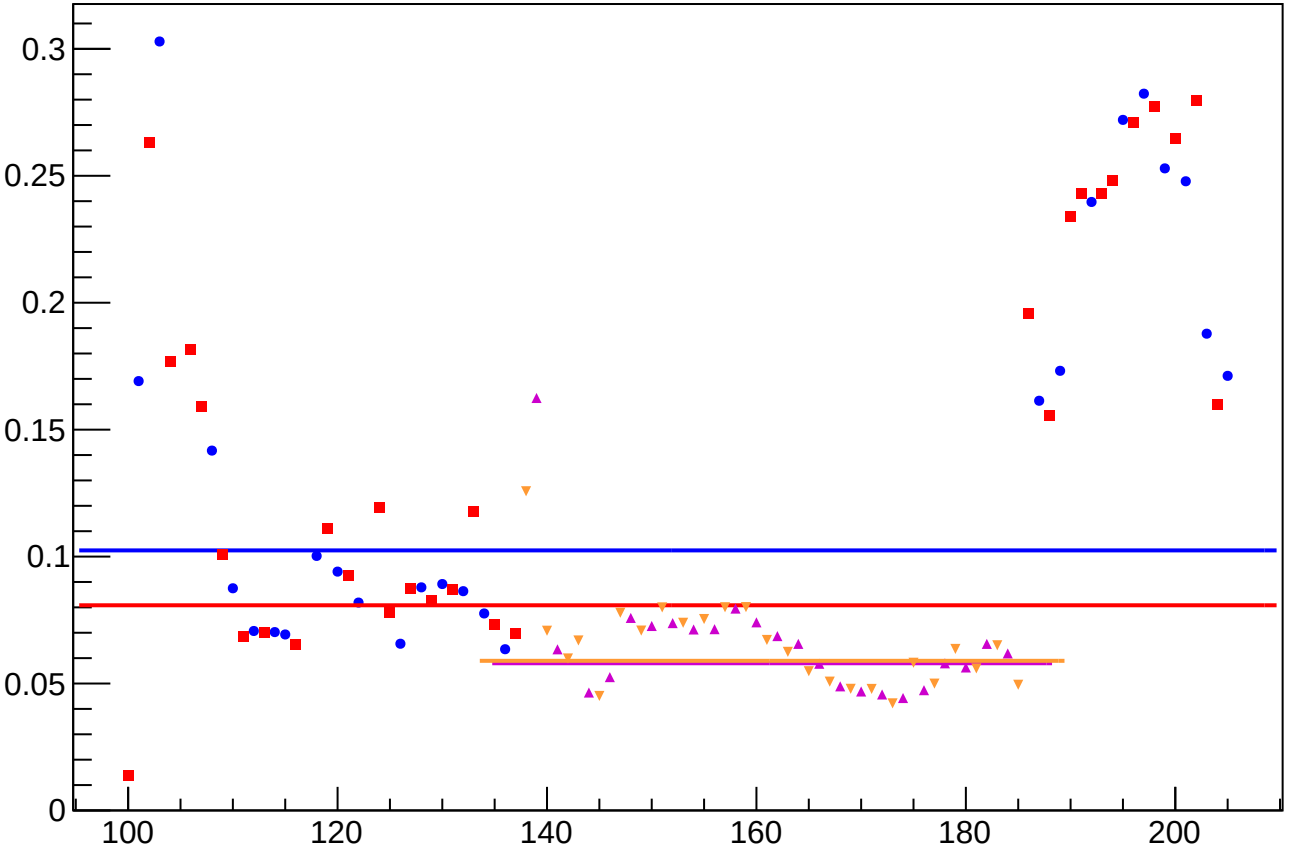
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.825+/-0.000 χ^2/NDF: 16686182833.2/49

All: 29.822+/-0.000 χ^2/NDF: 367696062621.

- sign 28.852+/-0.000 χ^2/NDF: 340727496105.1/52

yield_sam3_rms vs Slug



Right In: 0.102+/-0.000 χ^2/NDF: 5796238.4/24

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.081+/-0.000 χ^2/NDF: 11264090.5/29

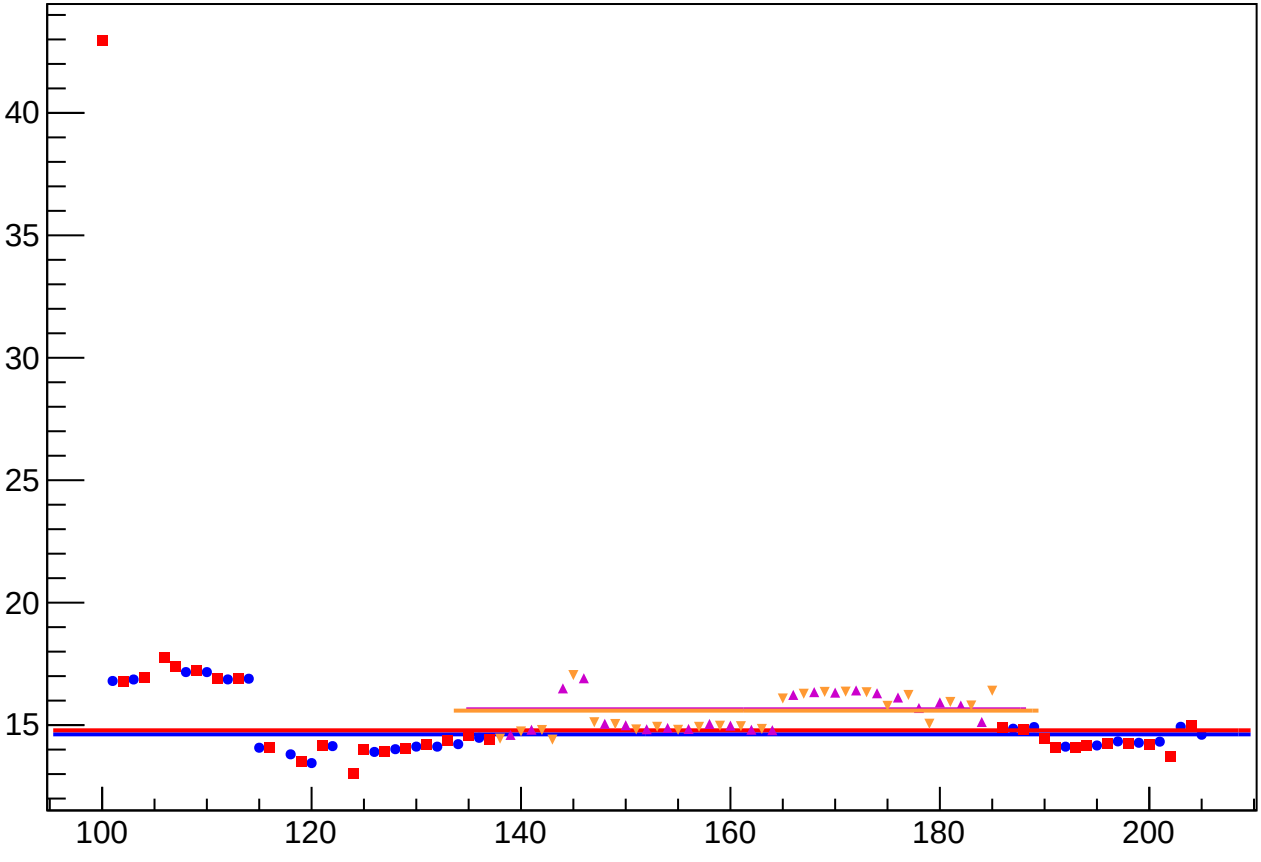
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.067+/-0.000 χ^2/NDF: 10179622.2/49

All: 0.065+/-0.000 χ^2/NDF: 24218114.8/102

- sign 0.063+/-0.000 χ^2/NDF: 13981299.2/52

yield_sam4_mean vs Slug



Right In: 14.622+/-0.000 χ^2/NDF: 1211781102.3/24

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.787+/-0.000 χ^2/NDF: 1789807722.7/29

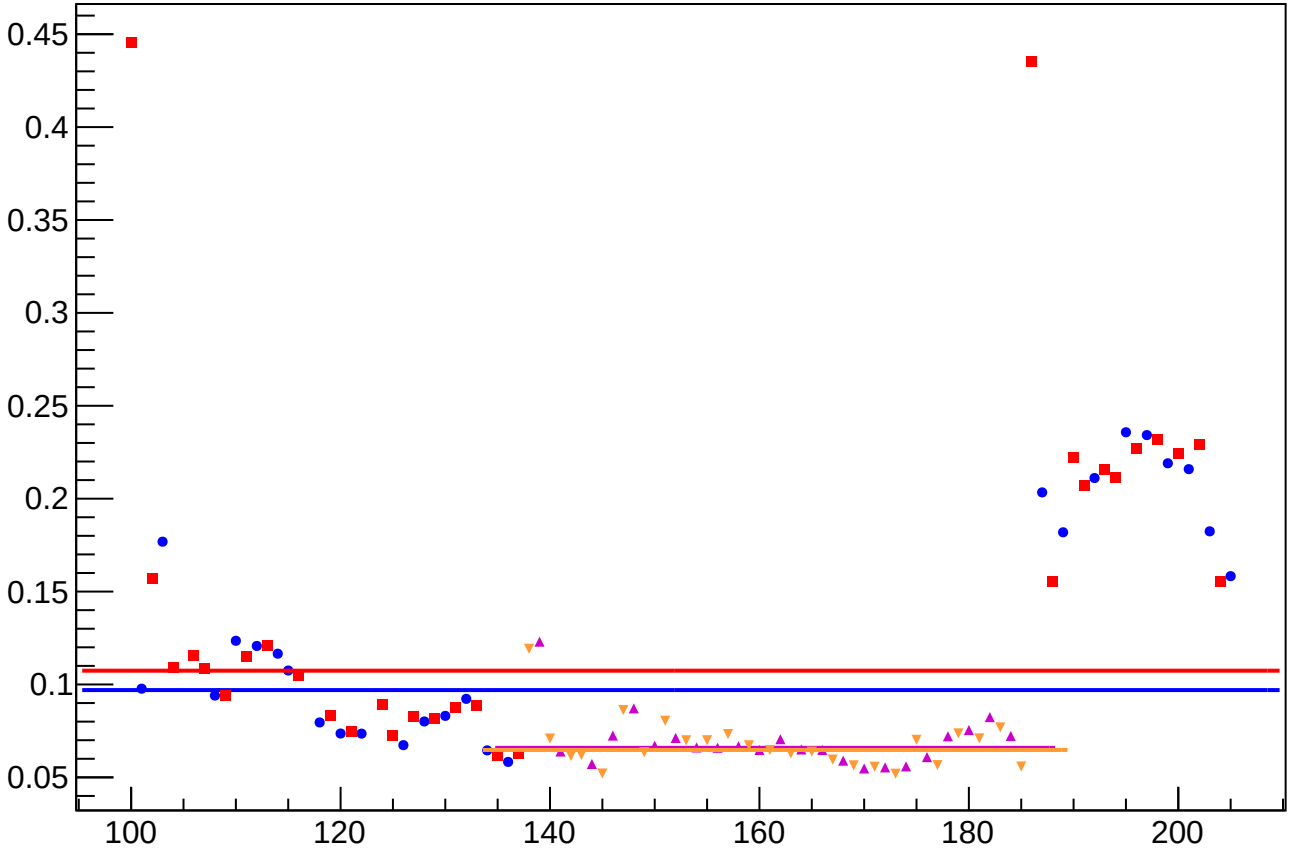
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.378+/-0.000 χ^2/NDF: 4276567457.6/49

All: 15.415+/-0.000 χ^2/NDF: 8518261052.2/1

- sign 15.456+/-0.000 χ^2/NDF: 4227022666.7/52

yield_sam4_rms vs Slug



Right In: 0.097+/-0.000 χ^2/NDF: 5170051.1/24

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.107+/-0.000 χ^2/NDF: 5272317.9/29

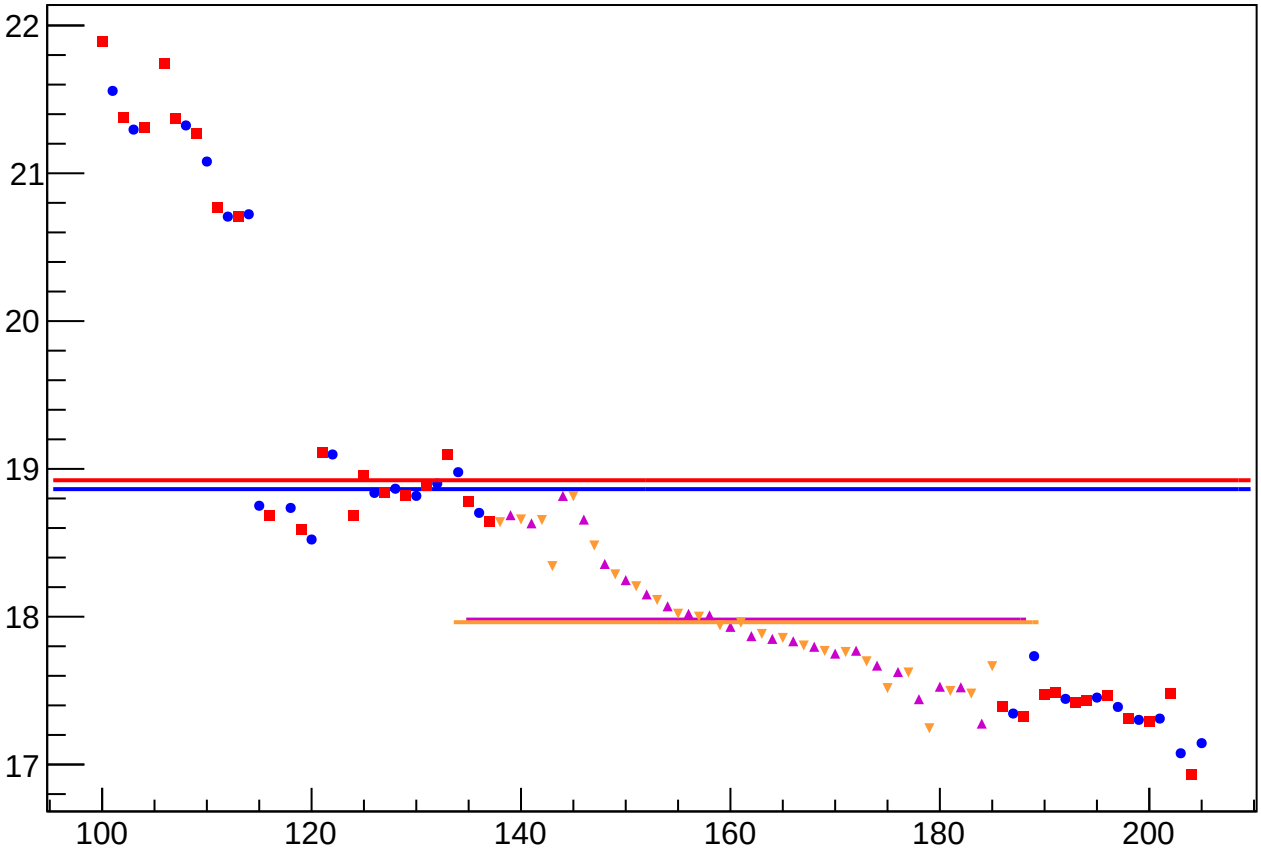
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 7812539.1/49

All: 0.073+/-0.000 χ^2/NDF: 16634558.2/102

- sign 0.075+/-0.000 χ^2/NDF: 8773803.7/52

yield_sam5_mean vs Slug



Right In: 18.863+/-0.000 χ^2/NDF: 30831780817.8/24

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.923+/-0.000 χ^2/NDF: 33732973357.5/29

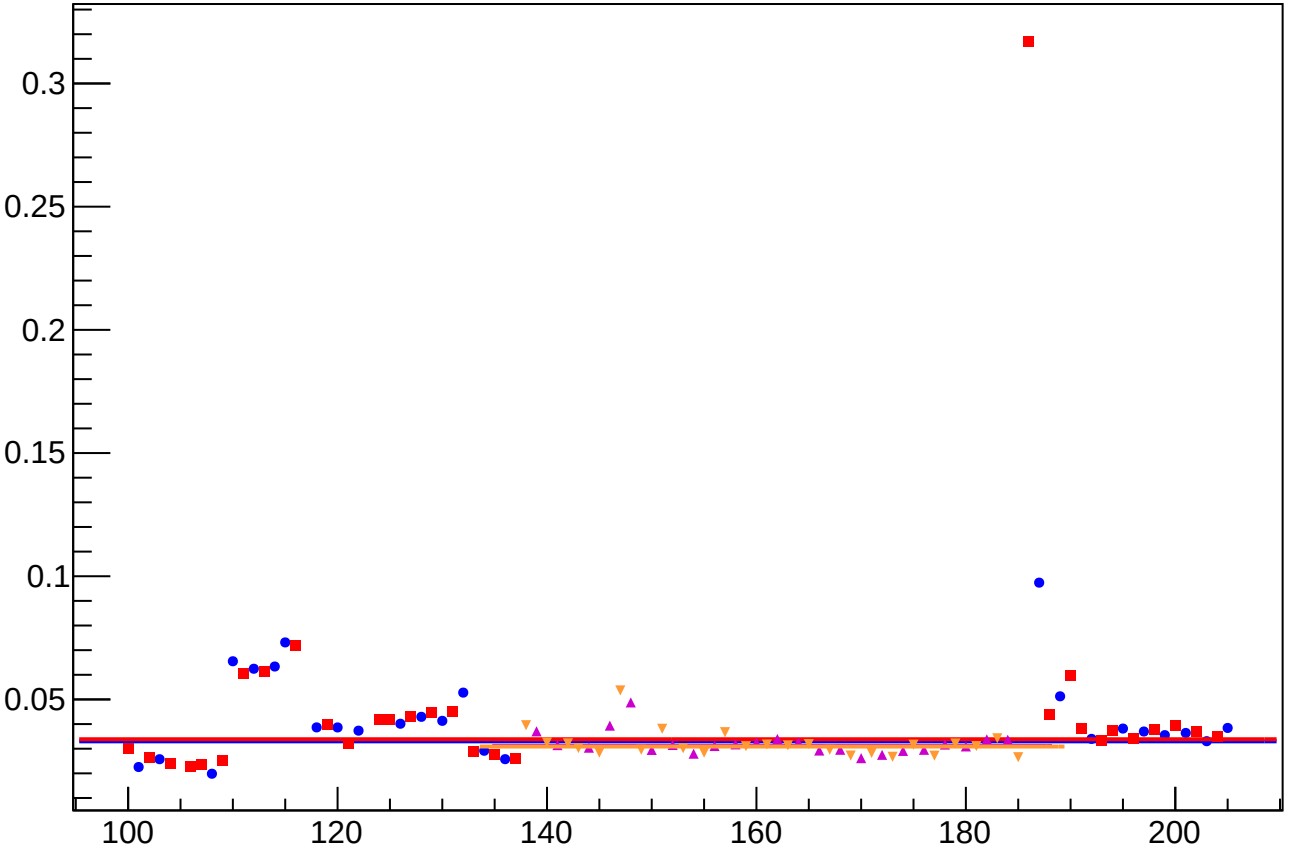
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.296+/-0.000 χ^2/NDF: 39632513459.8/49

All: 18.324+/-0.000 χ^2/NDF: 82404042591.8

- sign 18.353+/-0.000 χ^2/NDF: 42723688080.7/52

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 1930825.4/24

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2236001.7/29

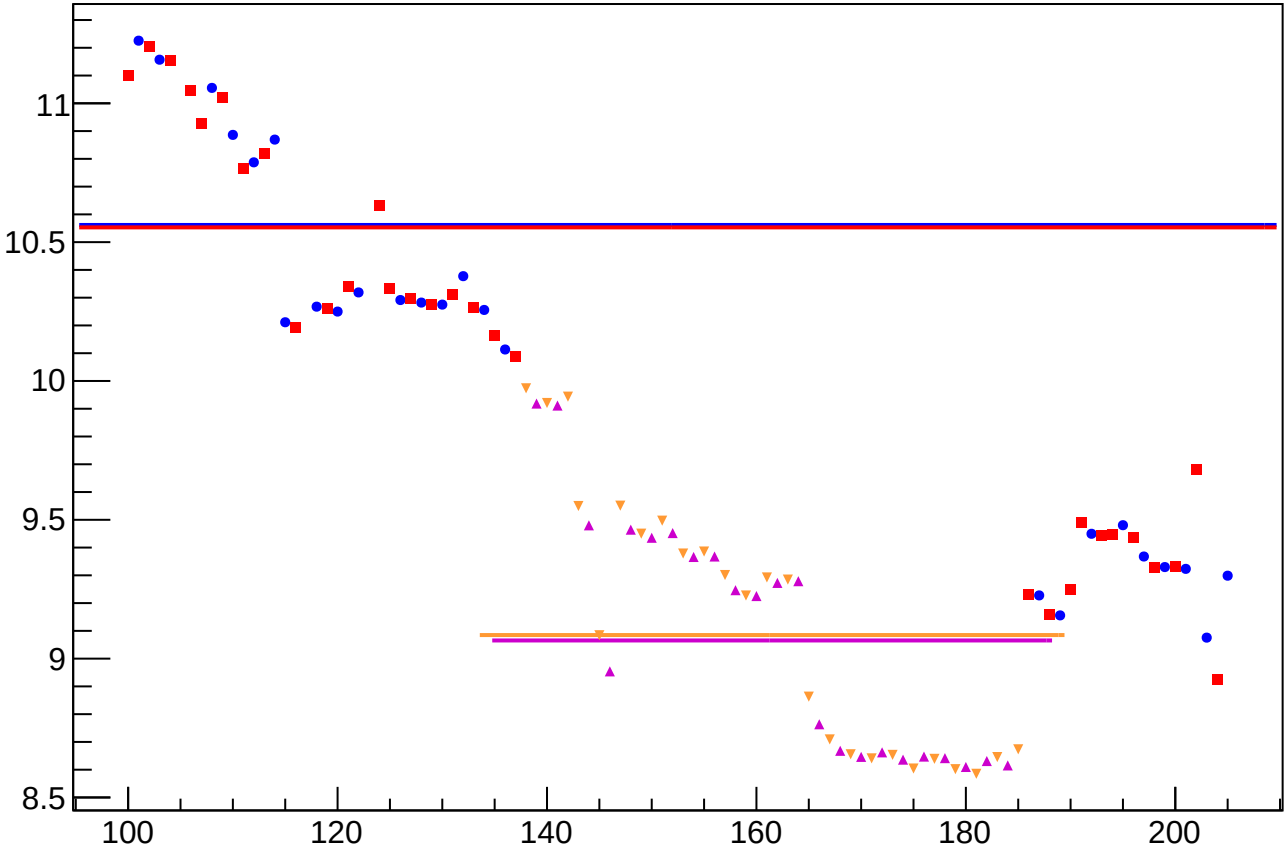
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2627351.8/49

All: 0.032+/-0.000 χ^2/NDF: 5458165.7/102

- sign 0.032+/-0.000 χ^2/NDF: 2822223.1/52

yield_sam6_mean vs Slug



Right In: 10.562+/-0.000 χ^2/NDF: 12702779637.8/24

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.553+/-0.000 χ^2/NDF: 11804414937.0/29

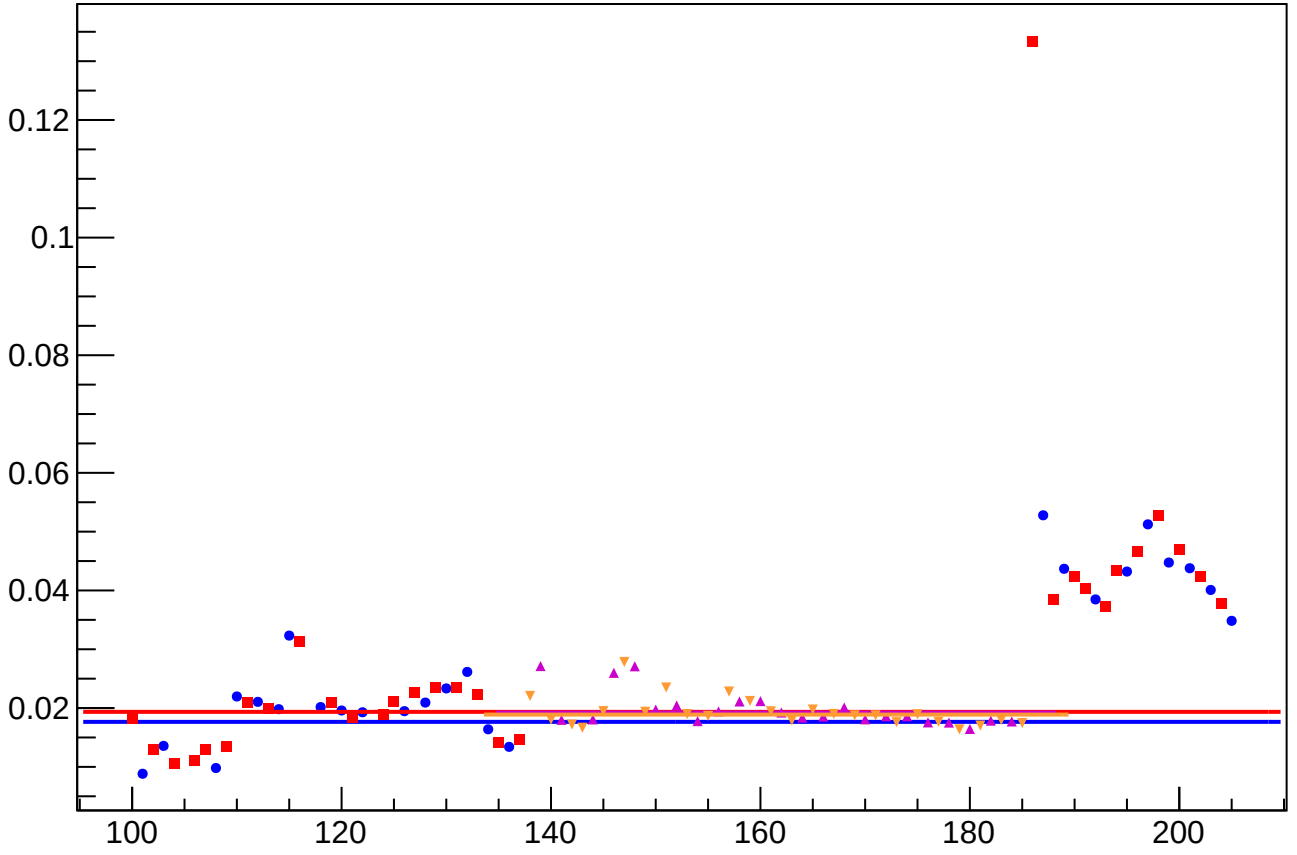
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.660+/-0.000 χ^2/NDF: 64775681494.2/49

All: 9.659+/-0.000 χ^2/NDF: 124142520869.0

- sign 9.658+/-0.000 χ^2/NDF: 59366704547.6/52

yield_sam6_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 6616122.0/24

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6806184.1/29

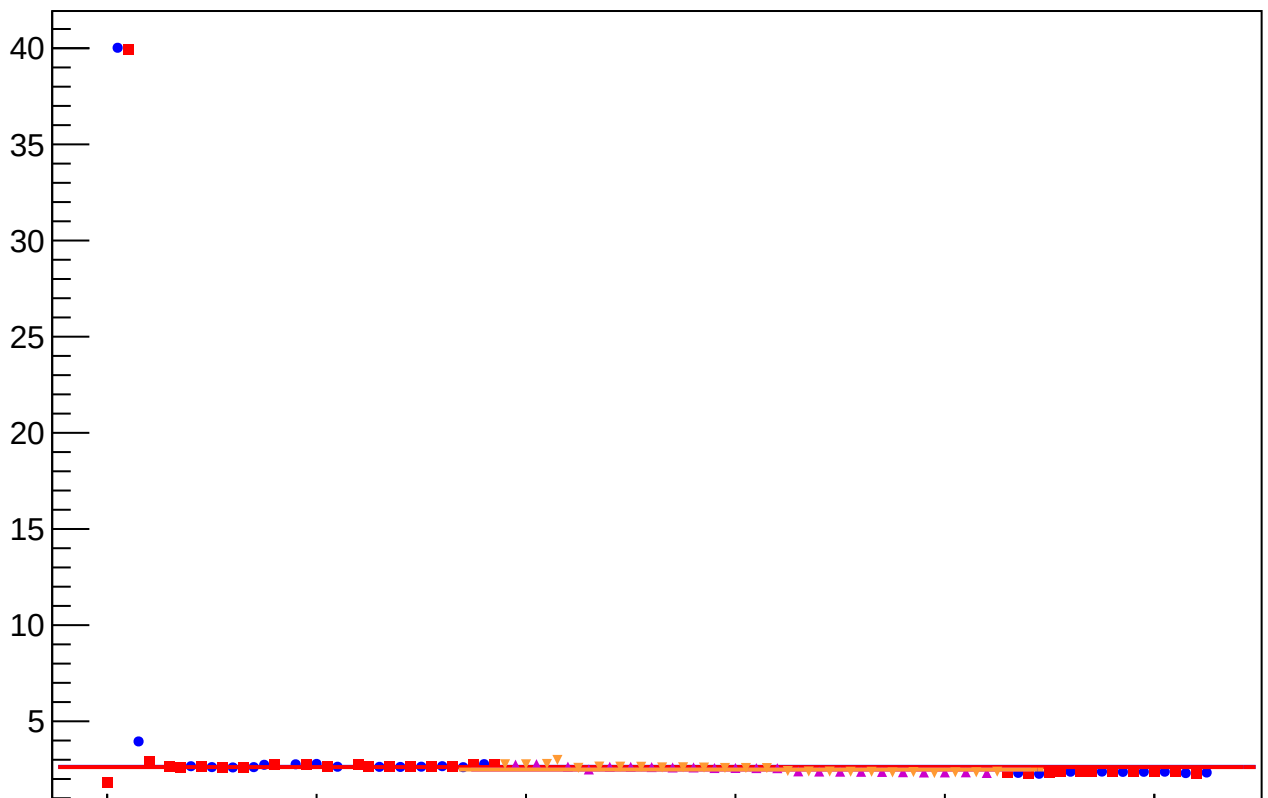
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 7116478.6/49

All: 0.019+/-0.000 χ^2/NDF: 14522672.9/102

- sign 0.019+/-0.000 χ^2/NDF: 7347627.4/52

yield_sam7_mean vs Slug



Right In: 2.631+/-0.000 χ^2/NDF: 82962650379.0/24

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.619+/-0.000 χ^2/NDF: 81900042180.3/29

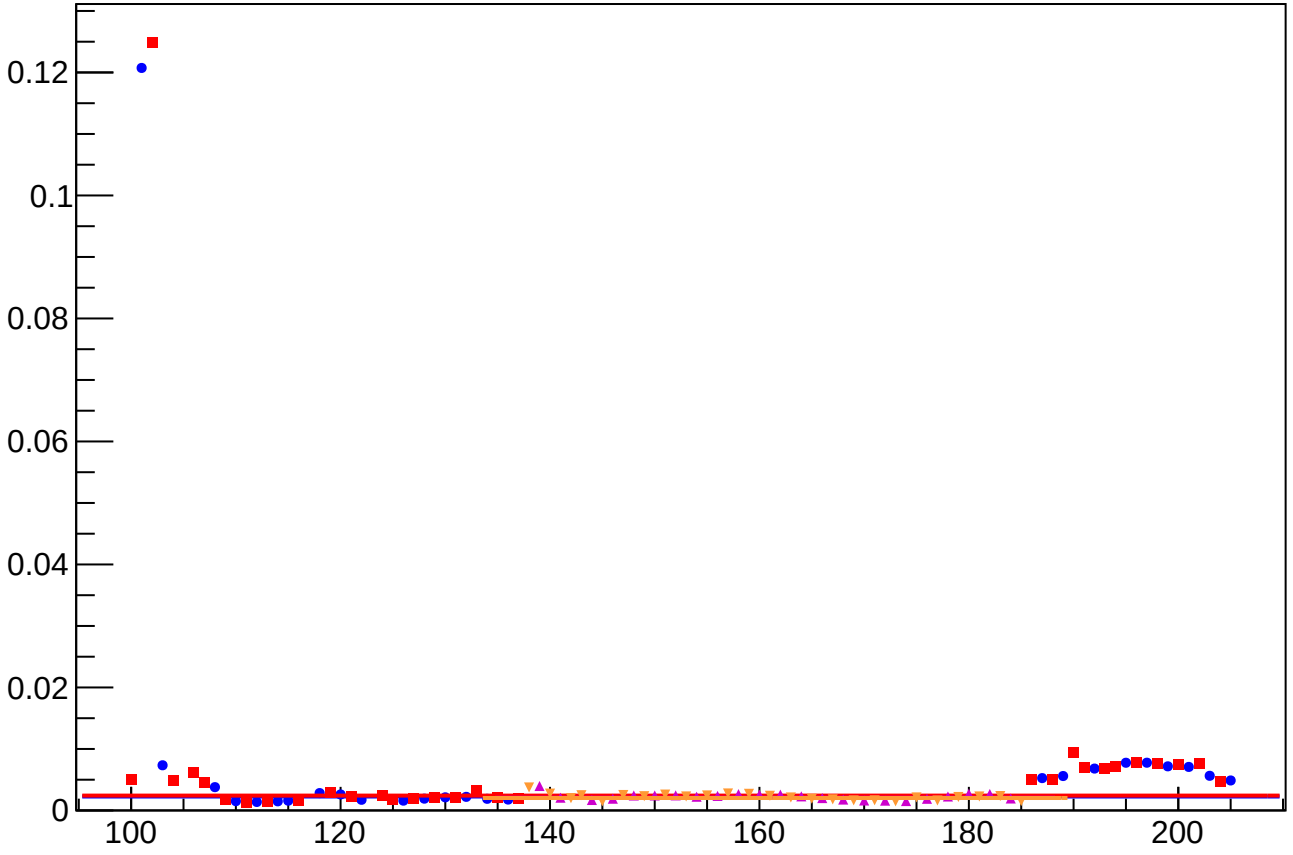
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.533+/-0.000 χ^2/NDF: 197418774930.2/49

All: 2.532+/-0.000 χ^2/NDF: 359071638865.3

- sign 2.530+/-0.000 χ^2/NDF: 161625548957.6/52

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8005964.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

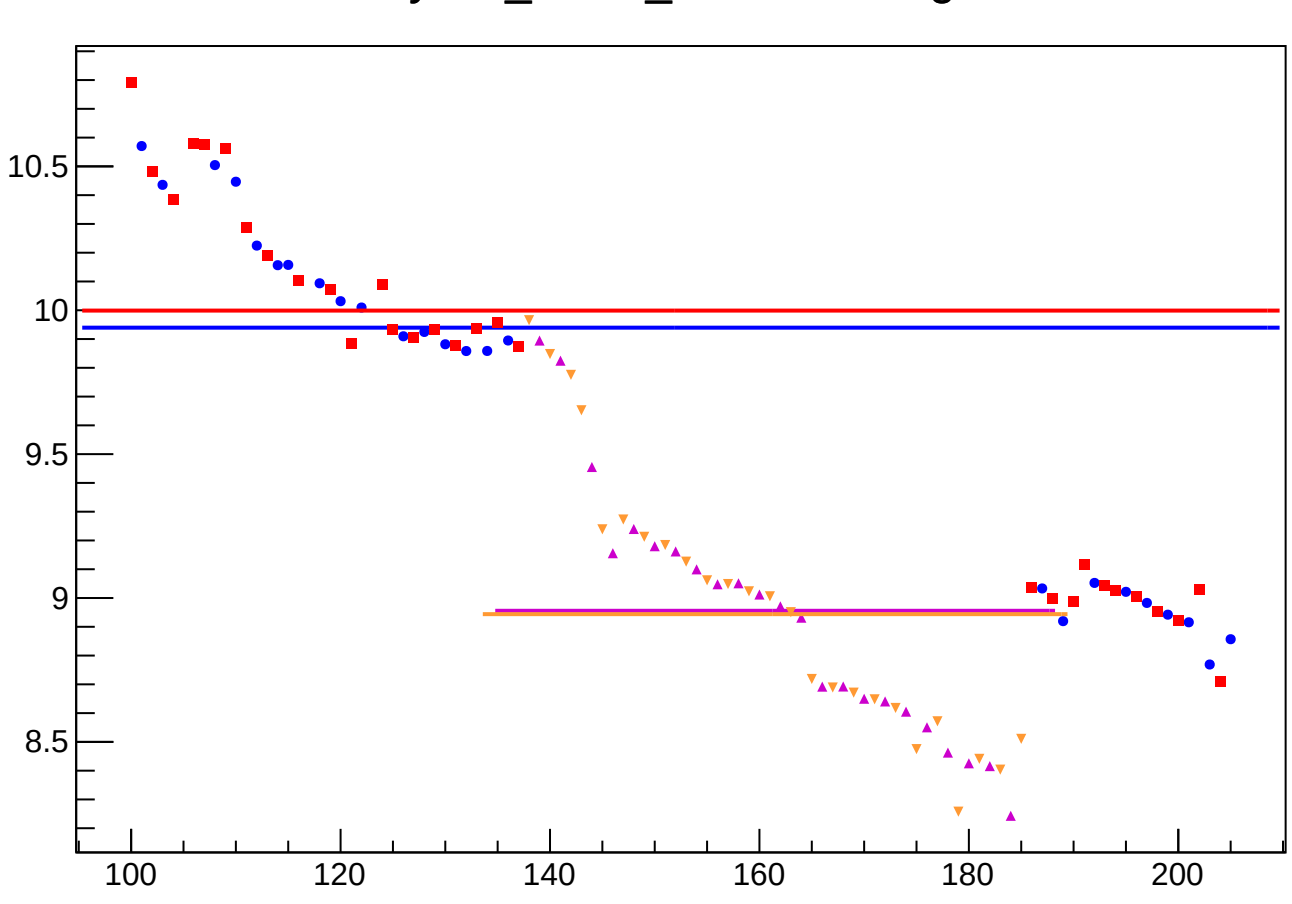
Right Out: 0.002+/-0.000 χ^2/NDF: 9488366.4/29

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 9695680.7/49

All: 0.002+/-0.000 χ^2/NDF: 20886424.6/102

- sign 0.002+/-0.000 χ^2/NDF: 11157535.1/52



Right In: 9.940+/-0.000 χ^2/NDF: 47190733041.2/24

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.999+/-0.000 χ^2/NDF: 50399451630.8/29

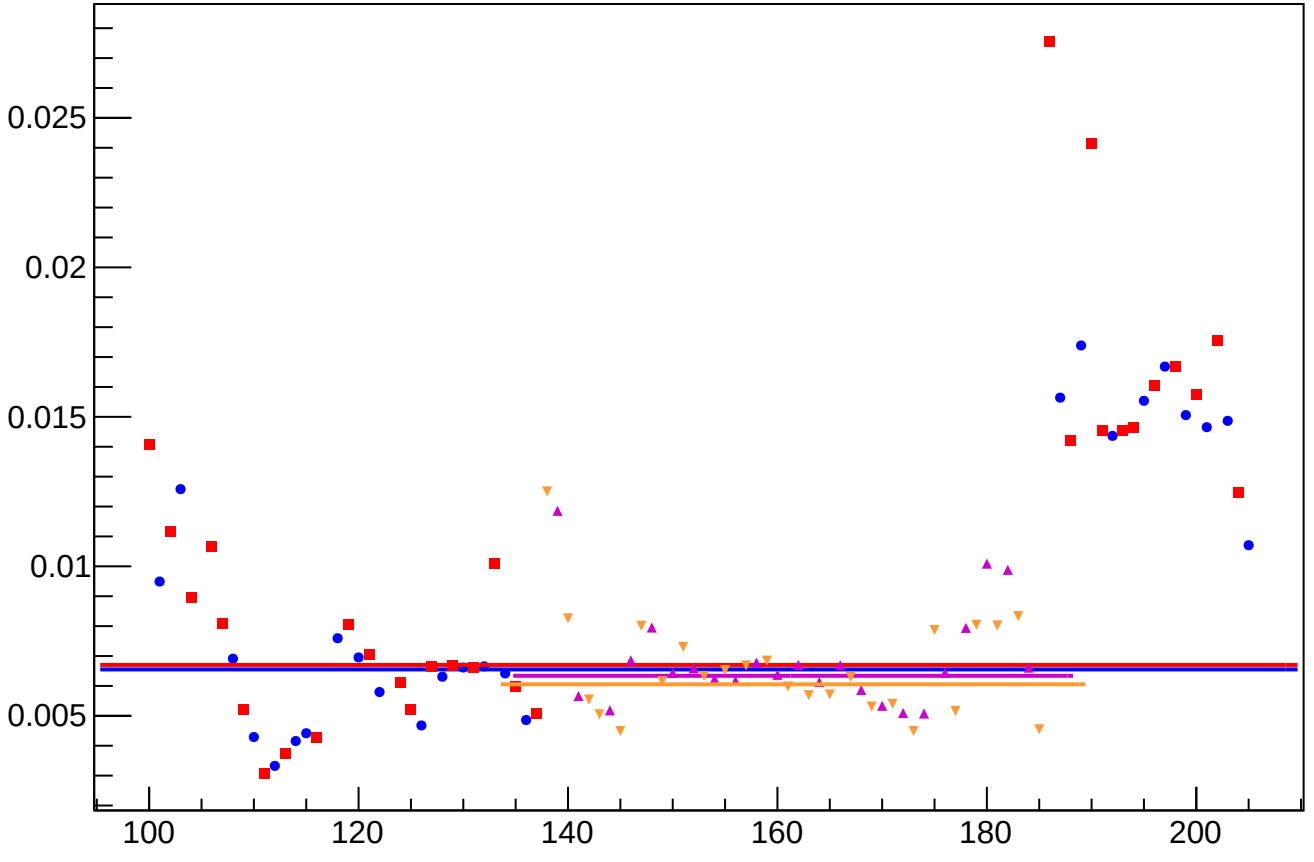
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.293+/-0.000 χ^2/NDF: 257989022514.4/49

All: 9.325+/-0.000 χ^2/NDF: 514071302089.7

- sign 9.360+/-0.000 χ^2/NDF: 254722164491.7/52

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5939675.6/24

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7732440.1/29

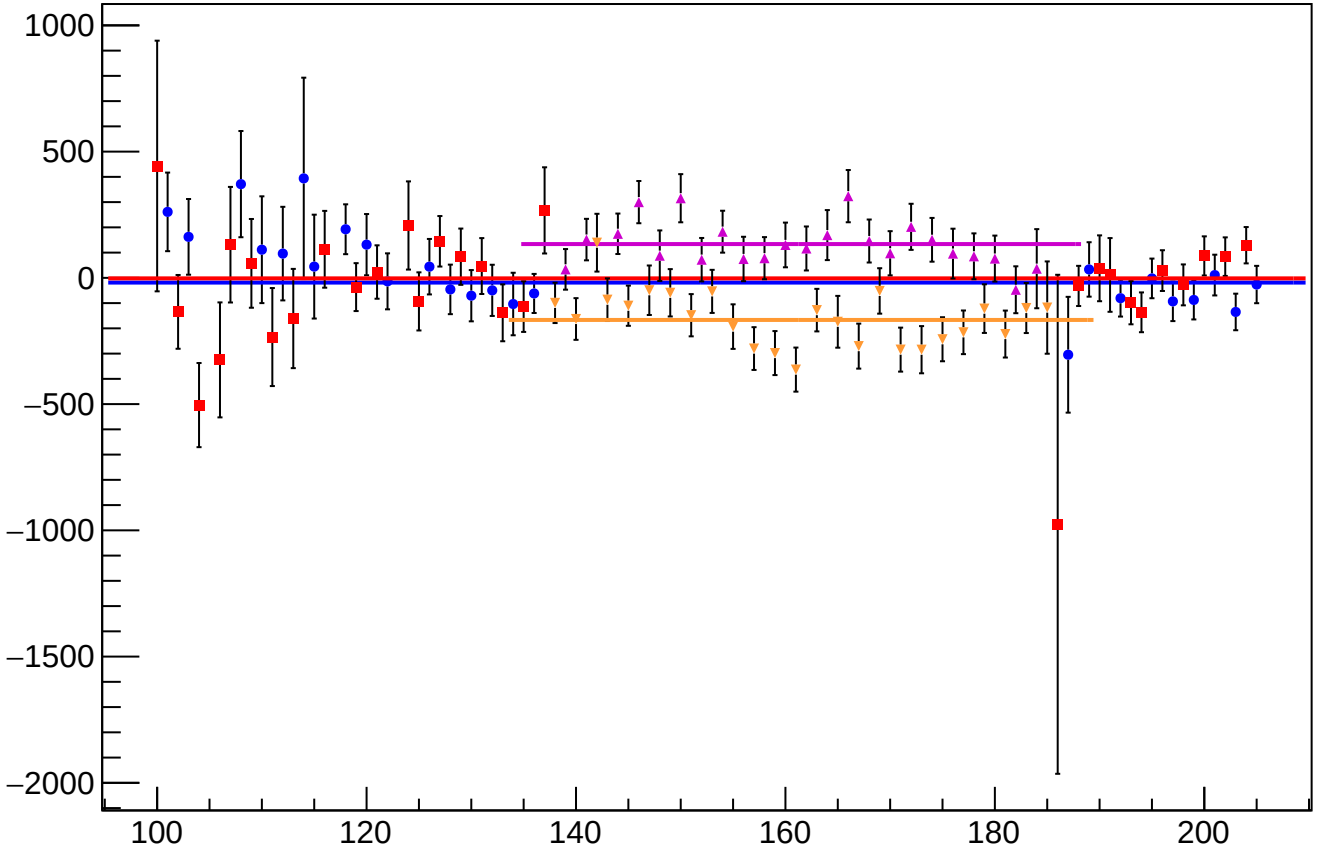
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 7473174.5/49

All: 0.006+/-0.000 χ^2/NDF: 16456814.3/102

- sign 0.006+/-0.000 χ^2/NDF: 8944648.7/52

reg_asym_sam1_mean vs Slug



Right In: -18.695+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -2.019+/-20.262 χ^2/NDF: 37.8/29

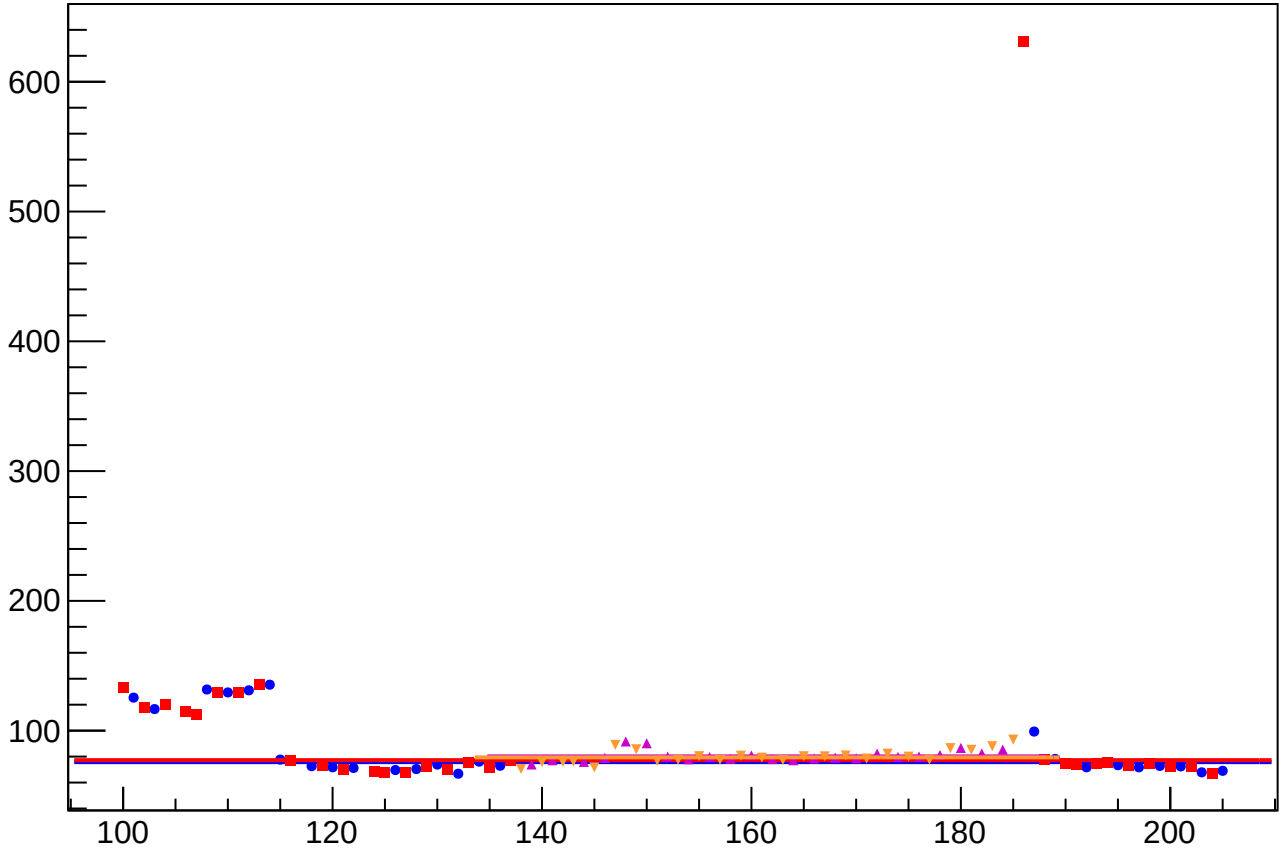
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -102.087+/-13.572 χ^2/NDF: 85.6/49

All: -16.689+/-9.664 χ^2/NDF: 248.6/102

- sign 71.147+/-13.764 χ^2/NDF: 82.7/52

reg_asym_sam1_rms vs Slug



Right In: 75.749+/-0.015 χ^2/NDF: 966302.6/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 77.260+/-0.014 χ^2/NDF: 1676017.4/29

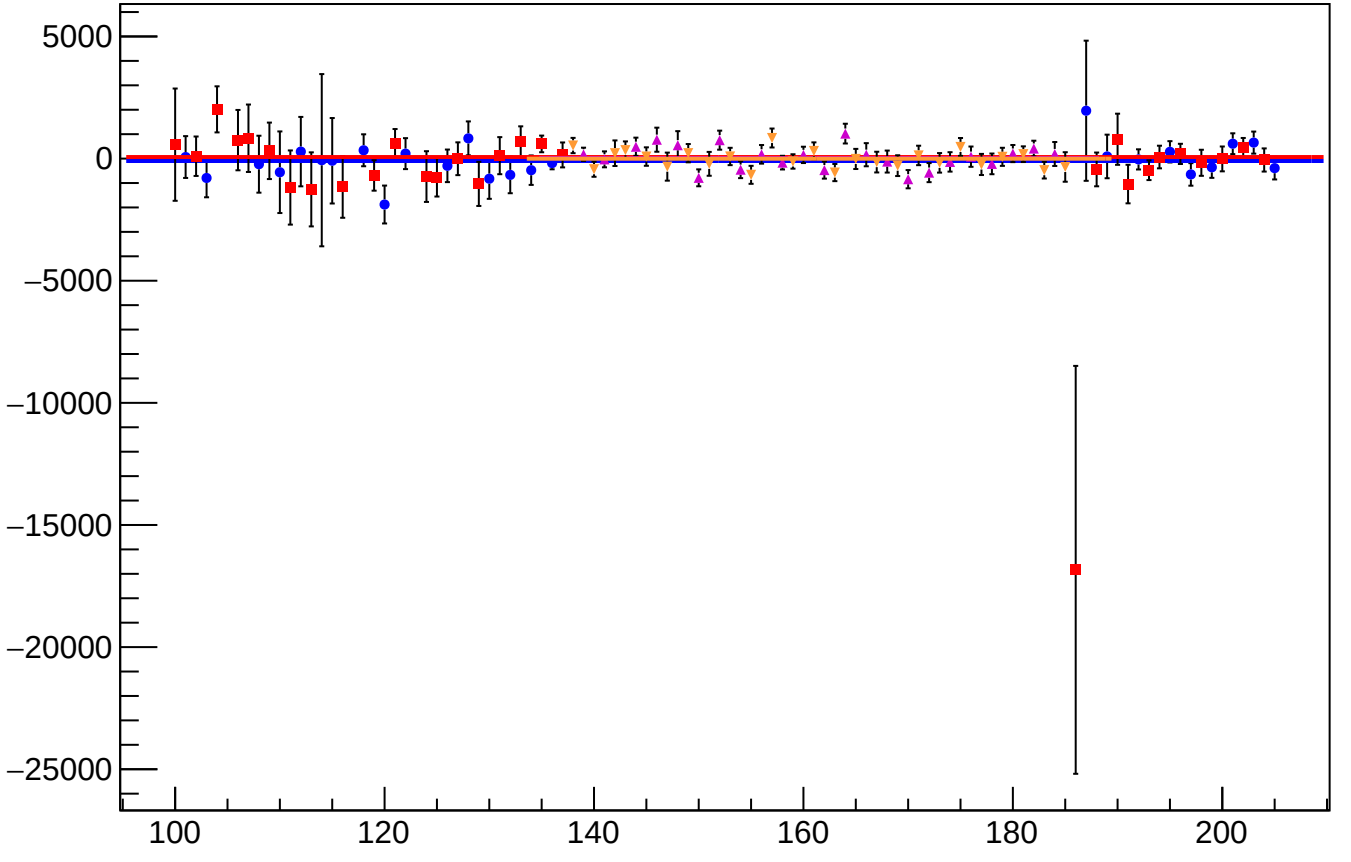
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 77.812+/-0.010 χ^2/NDF: 1136903.9/49

All: 78.310+/-0.007 χ^2/NDF: 2931908.6/102

- sign 78.822+/-0.010 χ^2/NDF: 1789546.9/52

asym_sam1_reg_correction_mean vs Slug



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 63.651+/-116.353 χ^2/NDF: 26.7/29

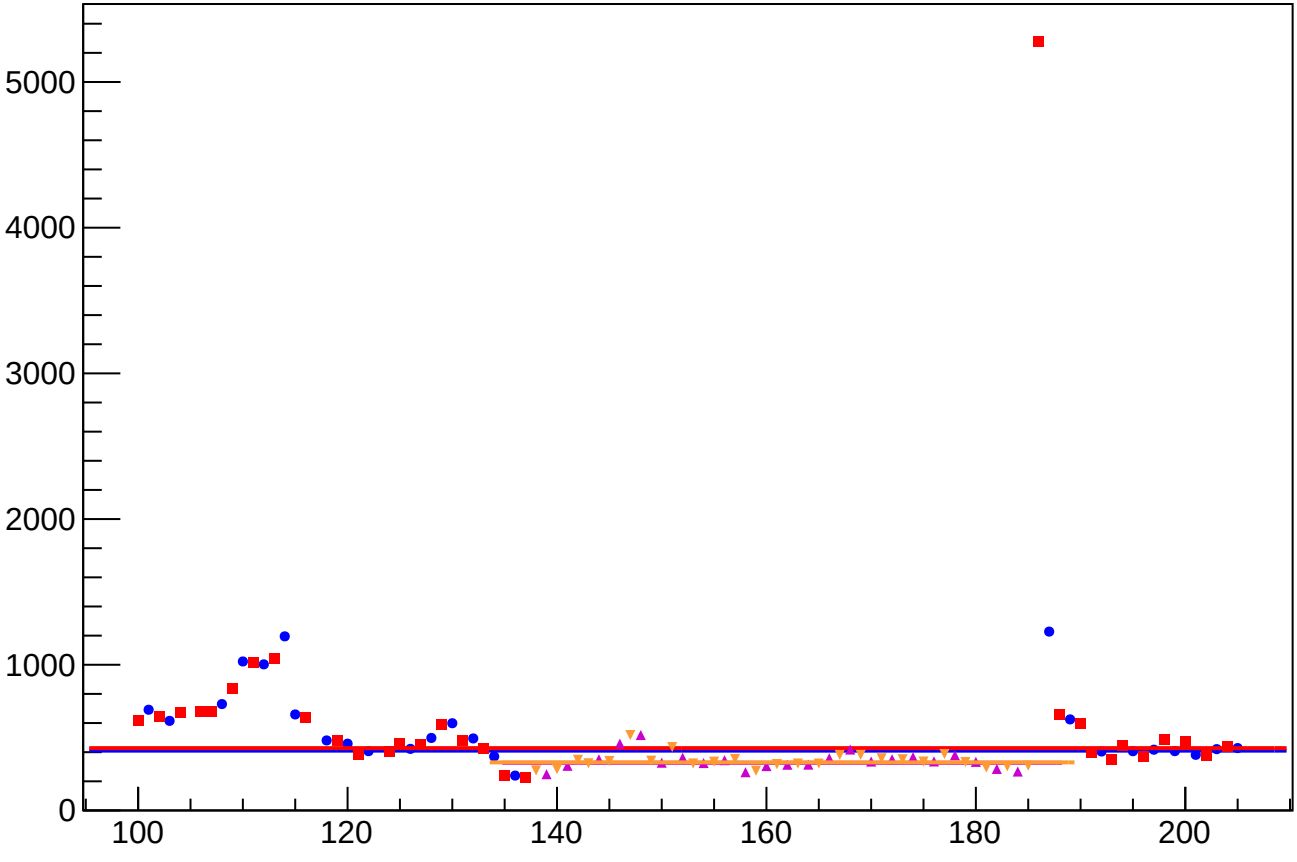
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -32.075+/-63.419 χ^2/NDF: 44.2/49

All: -0.130+/-45.230 χ^2/NDF: 106.5/102

- sign 32.938+/-64.525 χ^2/NDF: 61.8/52

asym_sam1_reg_correction_rms vs Slug



Right In: 410.631+/-0.082 χ^2/NDF: 2656671.7/24

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.795+/-0.082 χ^2/NDF: 3515597.2/29

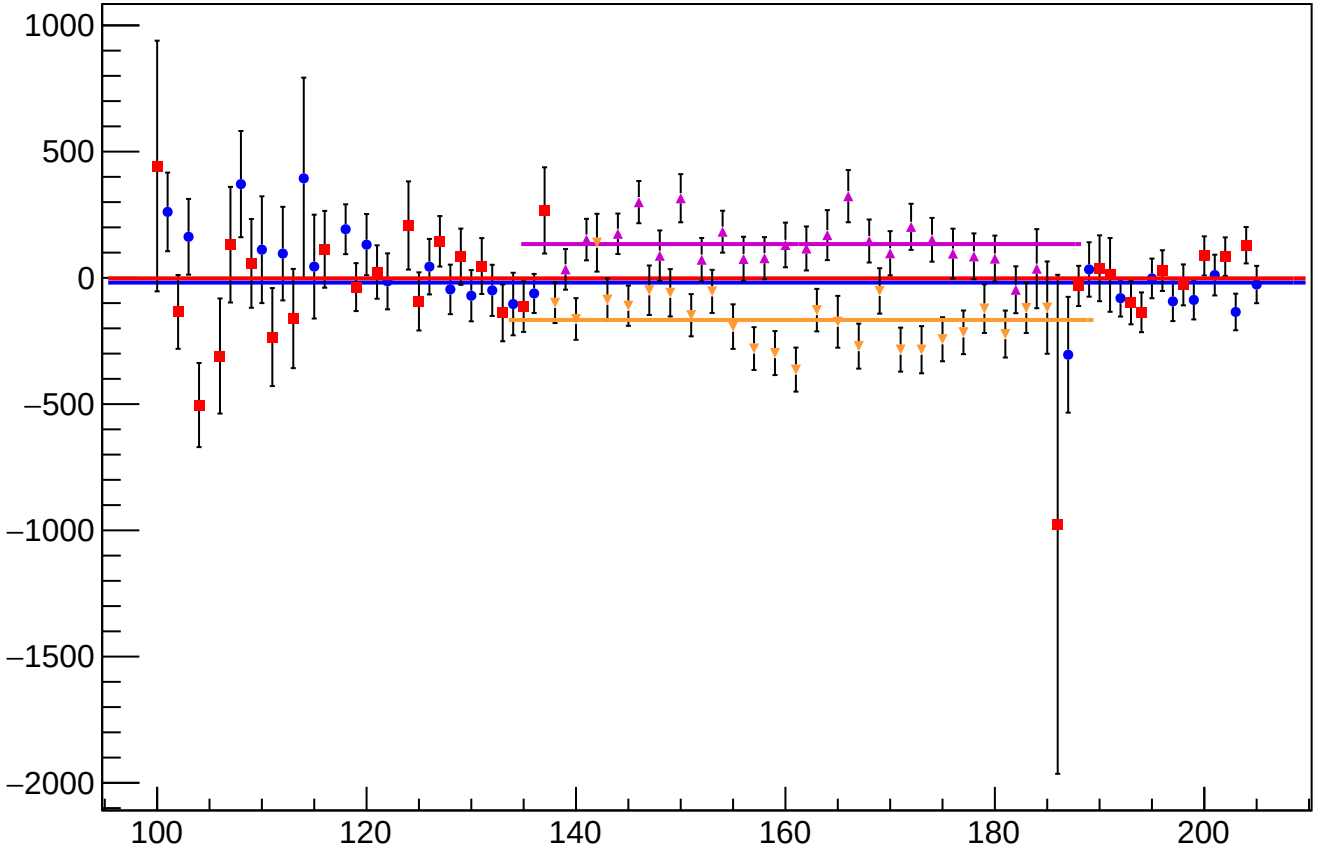
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 354.259+/-0.045 χ^2/NDF: 3996845.8/49

All: 356.084+/-0.032 χ^2/NDF: 9455207.9/102

- sign 357.973+/-0.046 χ^2/NDF: 5454993.1/52

cor_asym_sam1_mean vs Slug



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.891+/-20.262 χ^2/NDF: 37.6/29

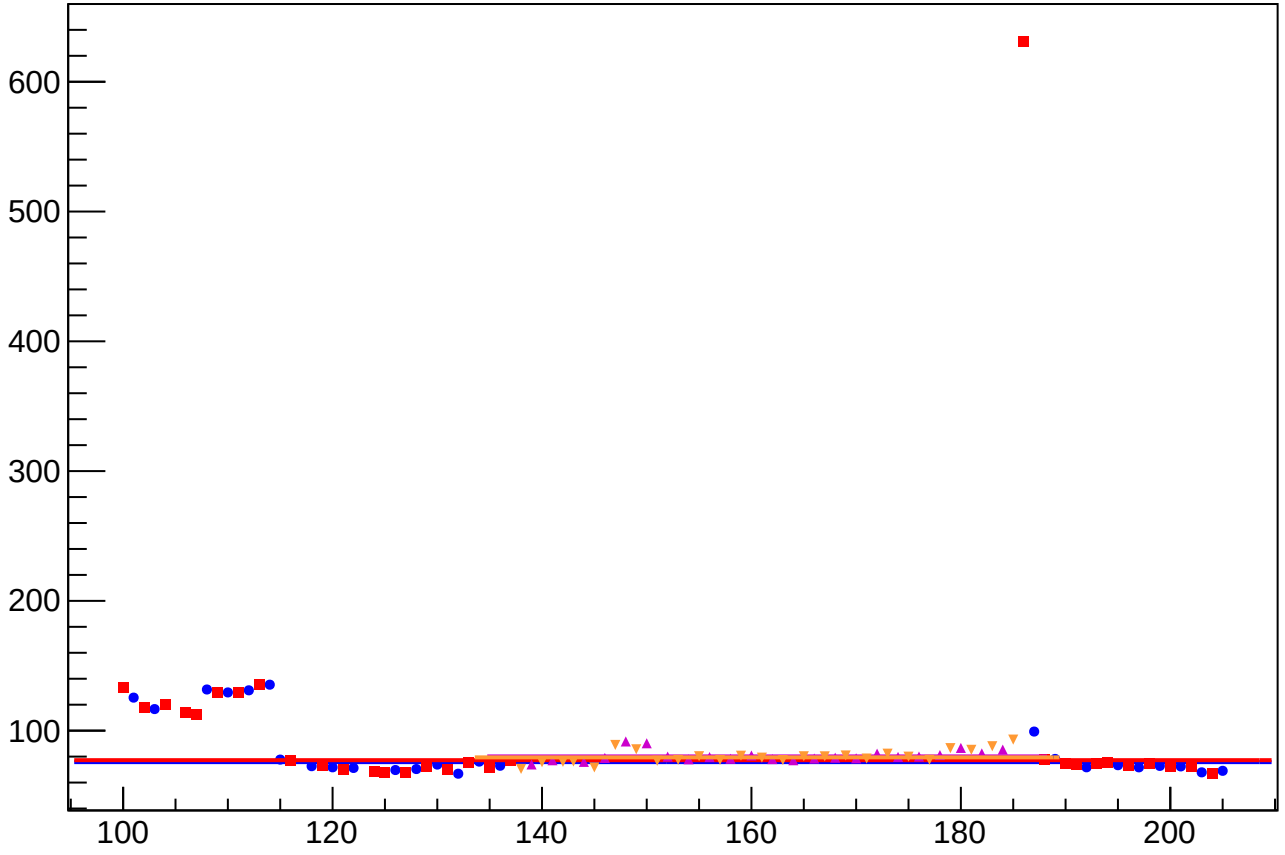
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -102.085+/-13.572 χ^2/NDF: 85.6/49

All: -16.657+/-9.664 χ^2/NDF: 248.5/102

- sign 71.211+/-13.764 χ^2/NDF: 82.5/52

cor_asym_sam1_rms vs Slug



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

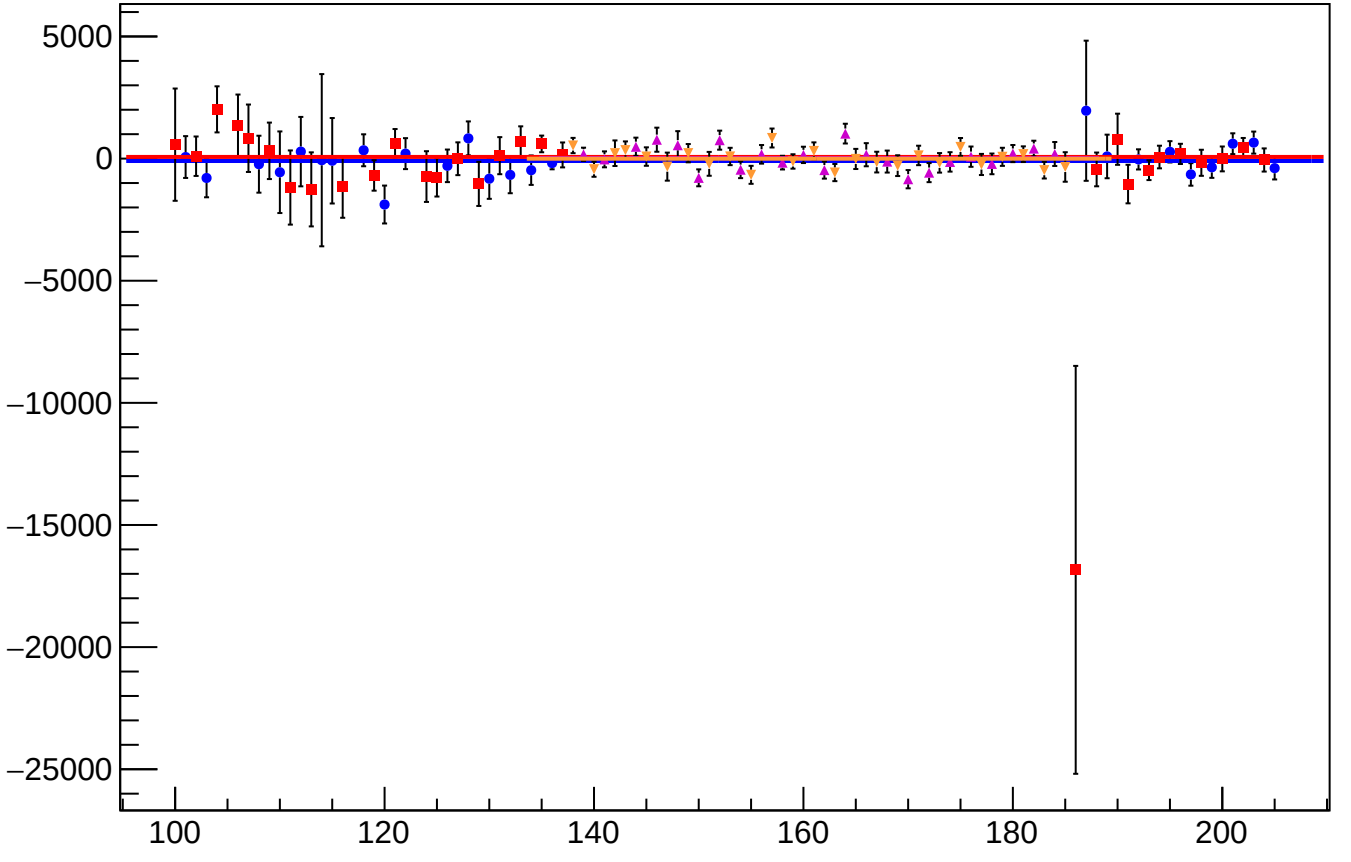
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 77.812+/-0.010 χ^2/NDF: 1136904.1/49

All: 78.309+/-0.007 χ^2/NDF: 2929806.7/102

- sign 78.819+/-0.010 χ^2/NDF: 1787477.1/52

asym_sam1_cor_correction_mean vs Slug



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 68.223+/-116.385 χ^2/NDF: 27.4/29

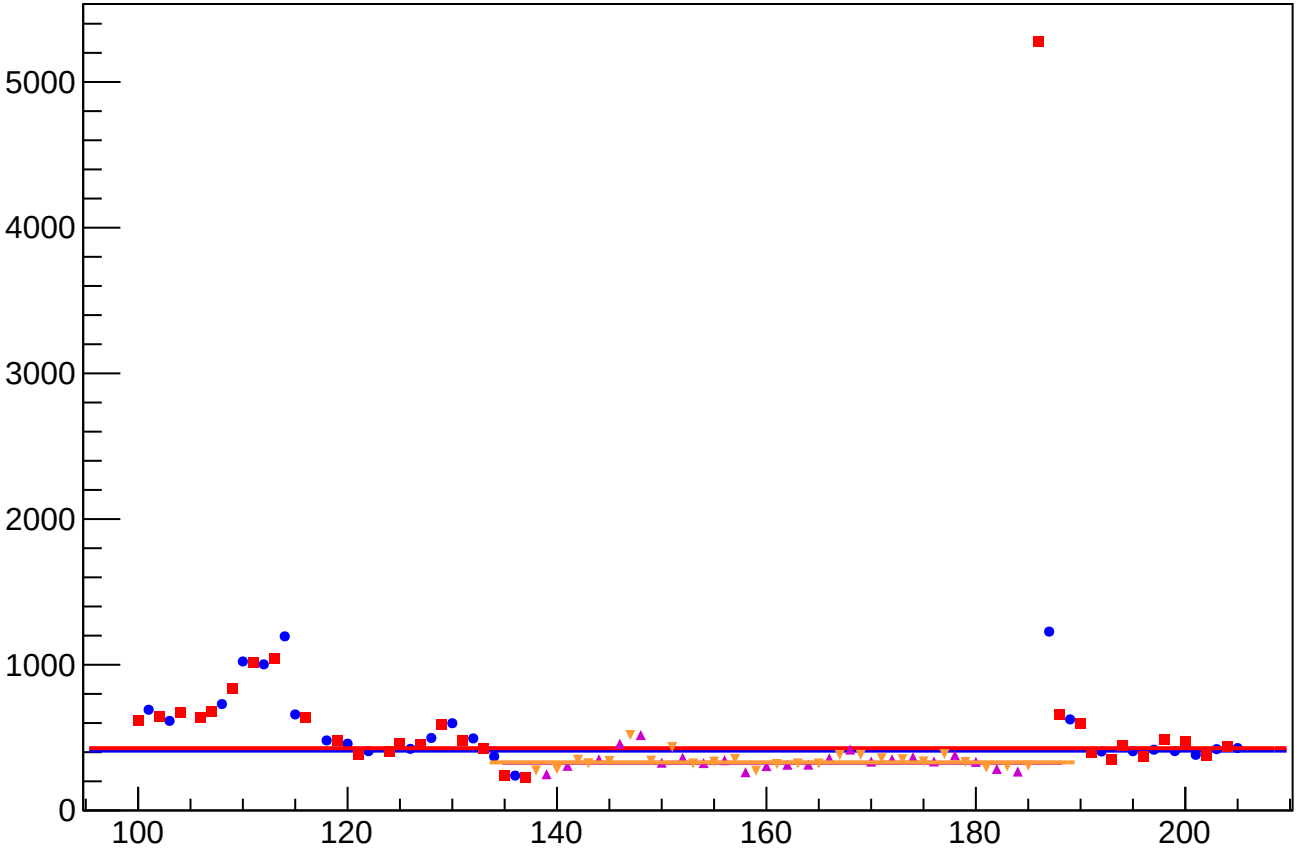
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -32.075+/-63.419 χ^2/NDF: 44.2/49

All: 0.557+/-45.232 χ^2/NDF: 107.2/102

- sign 34.343+/-64.530 χ^2/NDF: 62.5/52

asym_sam1_cor_correction_rms vs Slug



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

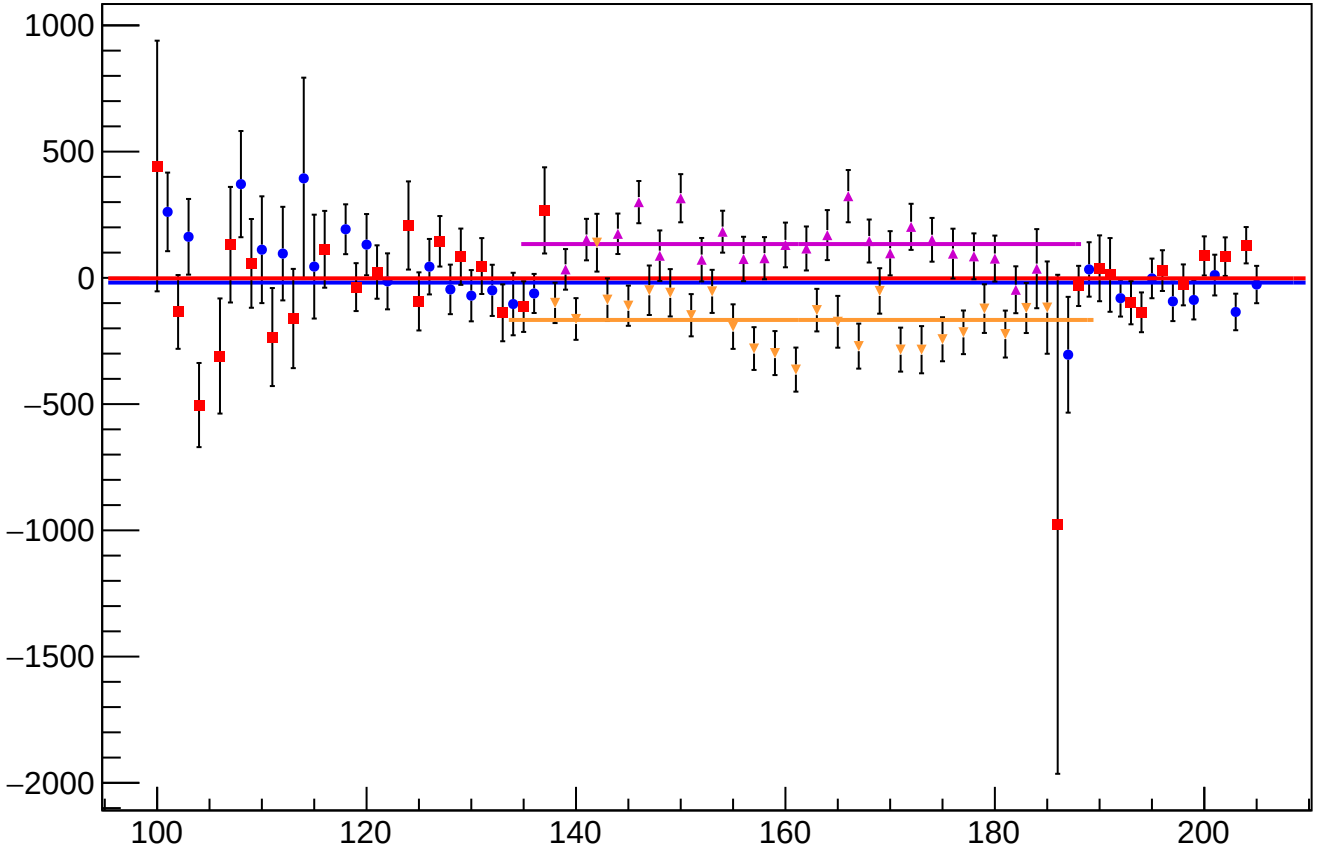
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 354.259+/-0.045 χ^2/NDF: 3996853.6/49

All: 356.009+/-0.032 χ^2/NDF: 9417589.0/102

- sign 357.819+/-0.046 χ^2/NDF: 5417639.1/52

eigen_cor_asym_sam1_mean vs Slug



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.891+/-20.262 χ^2/NDF: 37.6/29

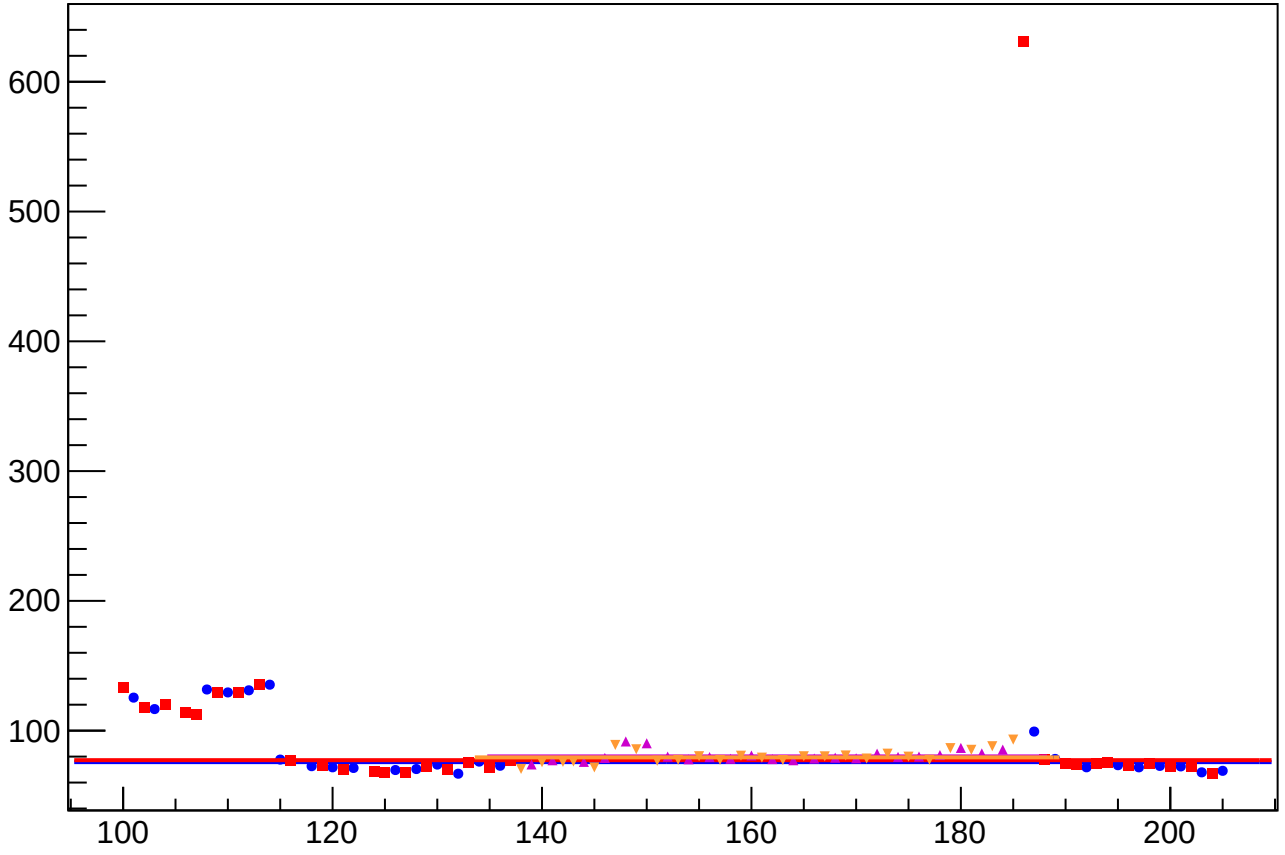
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -102.085+/-13.572 χ^2/NDF: 85.6/49

All: -16.657+/-9.664 χ^2/NDF: 248.5/102

- sign 71.211+/-13.764 χ^2/NDF: 82.5/52

eigen_cor_asym_sam1_rms vs Slug



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

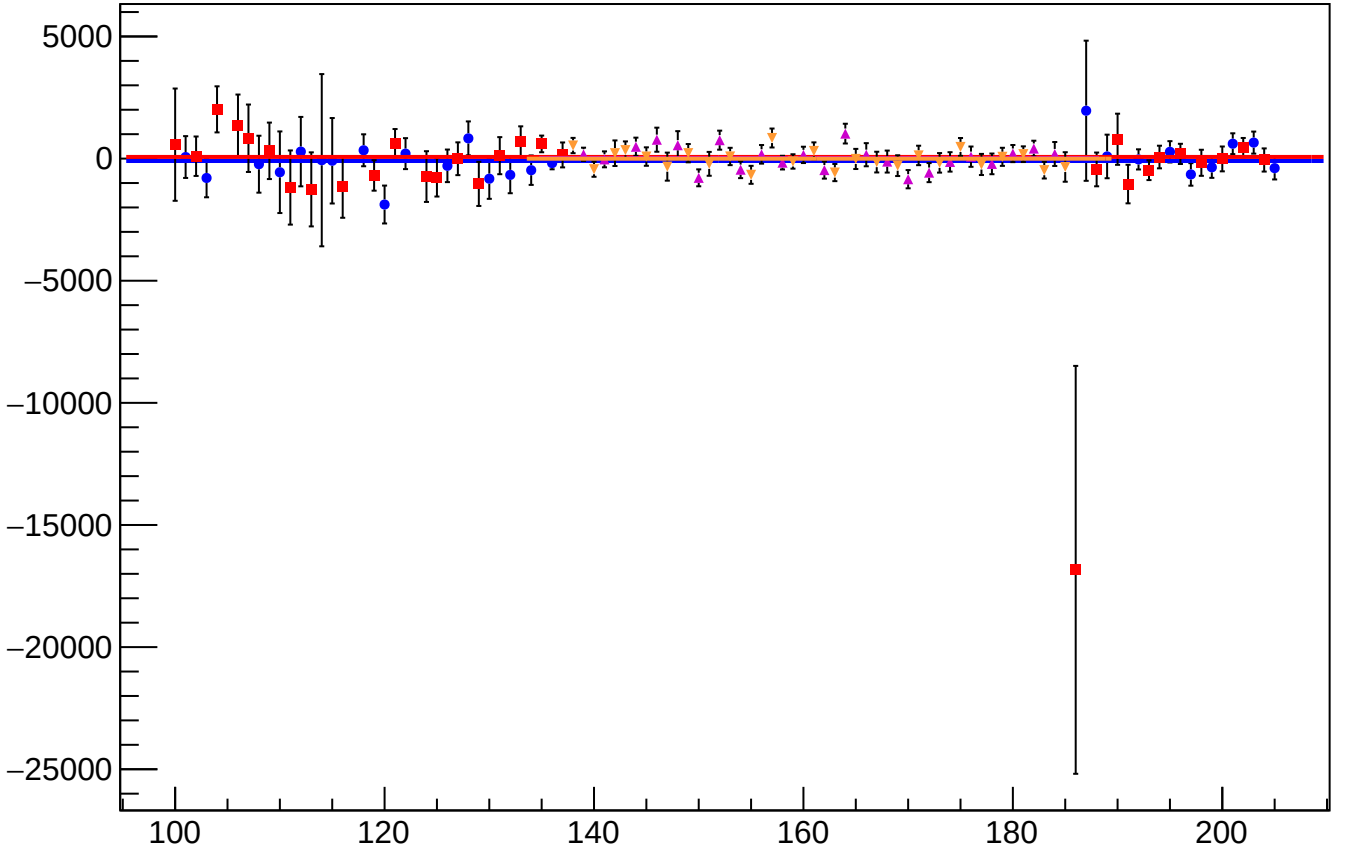
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 77.812+/-0.010 χ^2/NDF: 1136904.1/49

All: 78.309+/-0.007 χ^2/NDF: 2929806.7/102

- sign 78.819+/-0.010 χ^2/NDF: 1787477.1/52

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 68.223+/-116.385 χ^2/NDF: 27.4/29

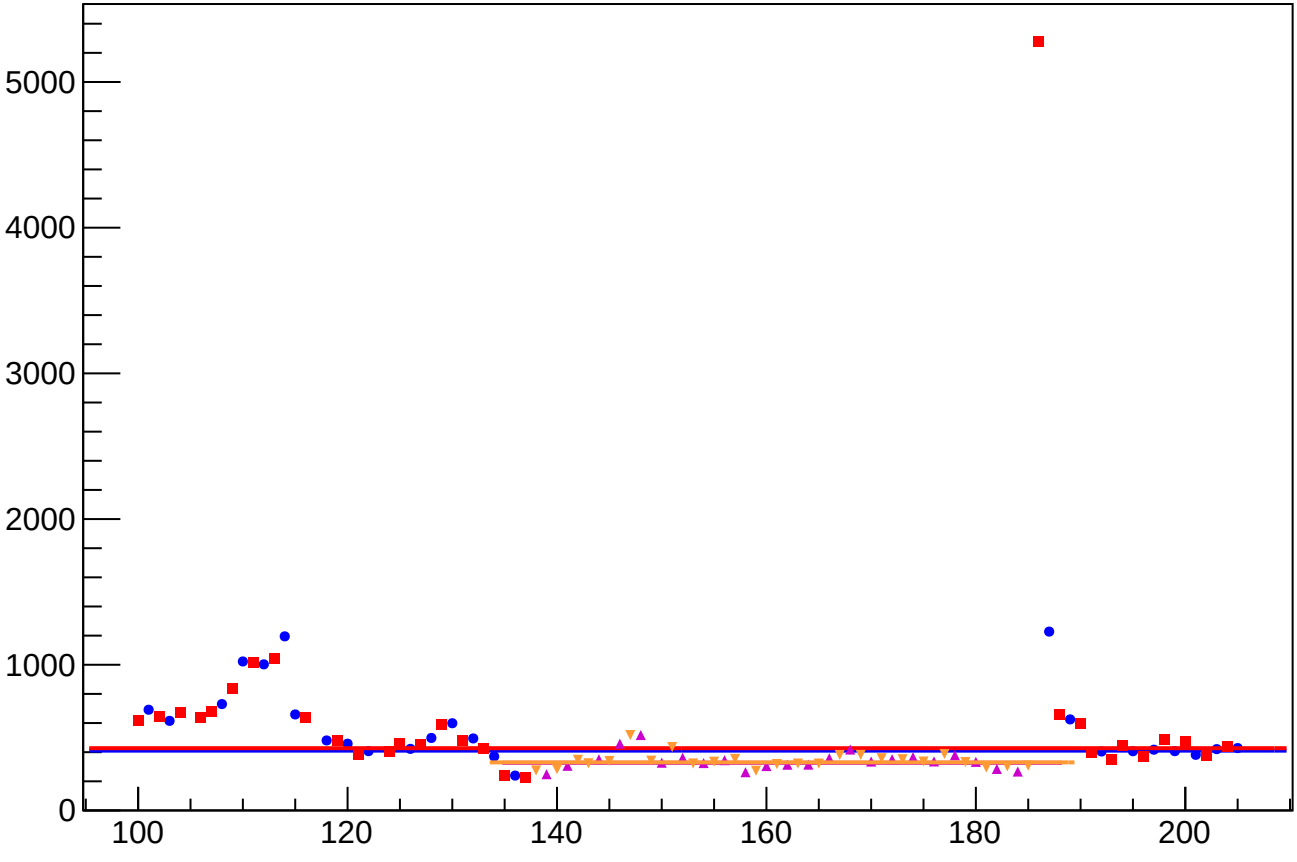
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -32.075+/-63.419 χ^2/NDF: 44.2/49

All: 0.557+/-45.232 χ^2/NDF: 107.2/102

- sign 34.343+/-64.530 χ^2/NDF: 62.5/52

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

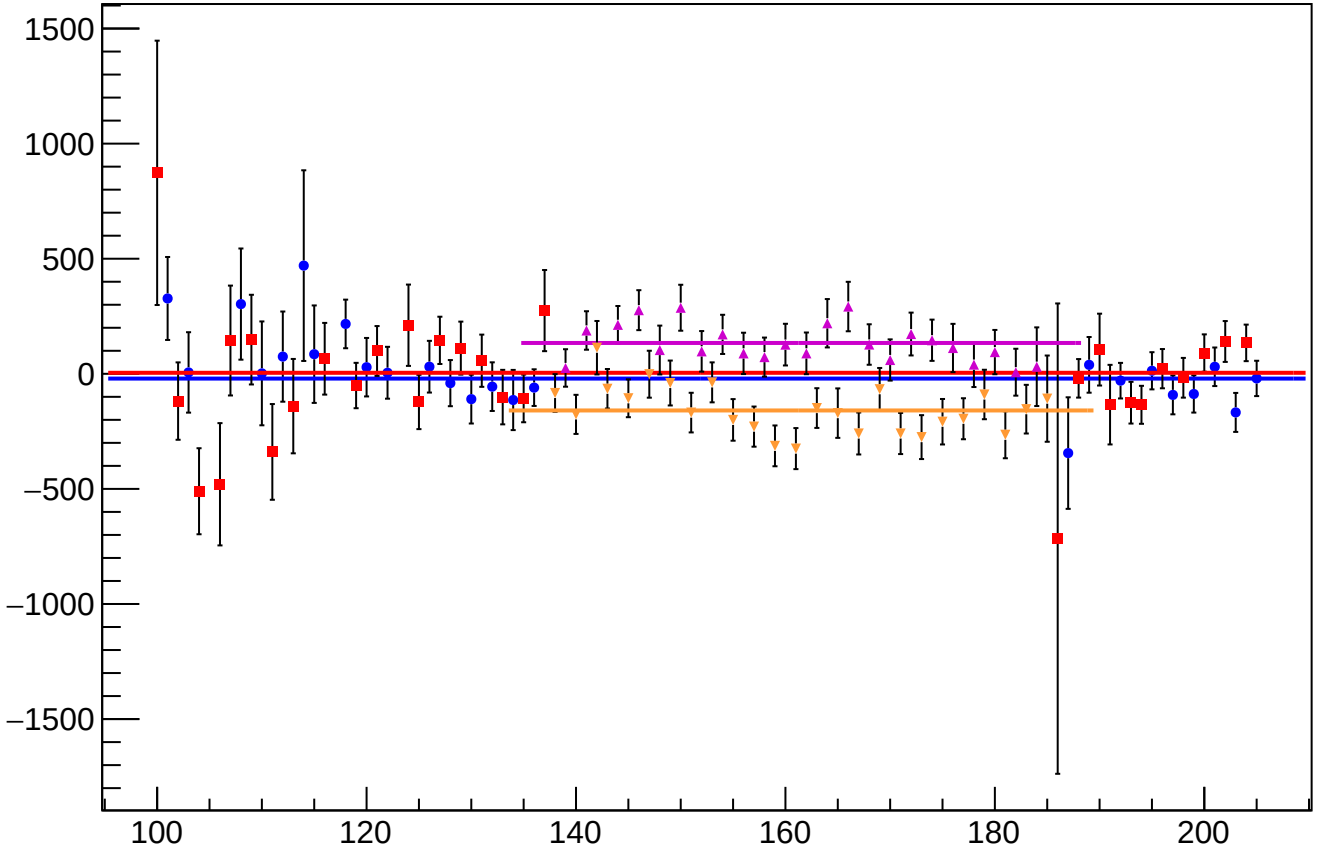
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 354.259+/-0.045 χ^2/NDF: 3996853.6/49

All: 356.009+/-0.032 χ^2/NDF: 9417589.0/102

- sign 357.819+/-0.046 χ^2/NDF: 5417639.1/52

dit_asym_sam1_mean vs Slug



Right In: -20.745+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 4.383+/-21.584 χ^2/NDF: 41.7/29

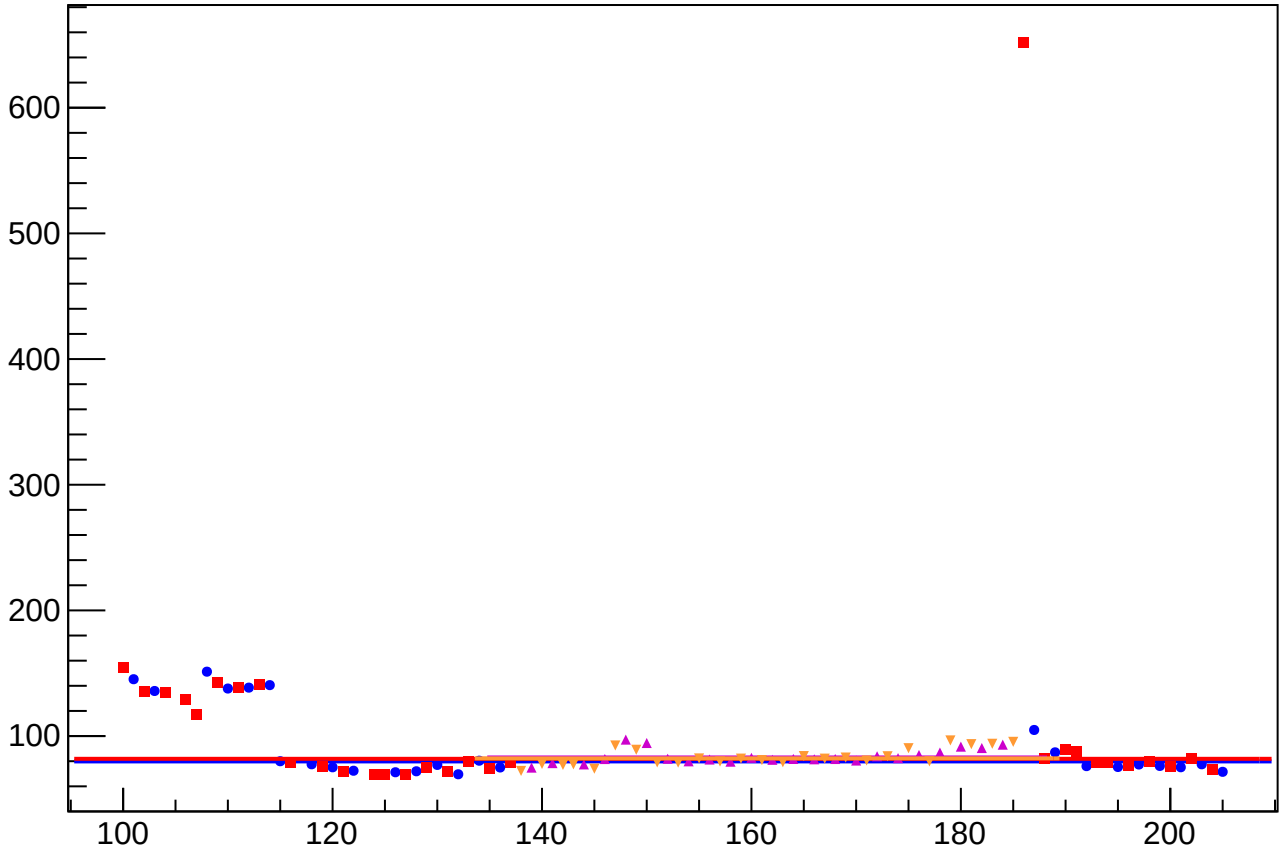
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.246+/-14.206 χ^2/NDF: 72.9/49

All: -13.617+/-10.129 χ^2/NDF: 226.6/102

- sign 75.951+/-14.445 χ^2/NDF: 78.0/52

dit_asym_sam1_rms vs Slug



Right In: 79.831+/-0.015 χ^2/NDF: 1138567.5/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.0/29

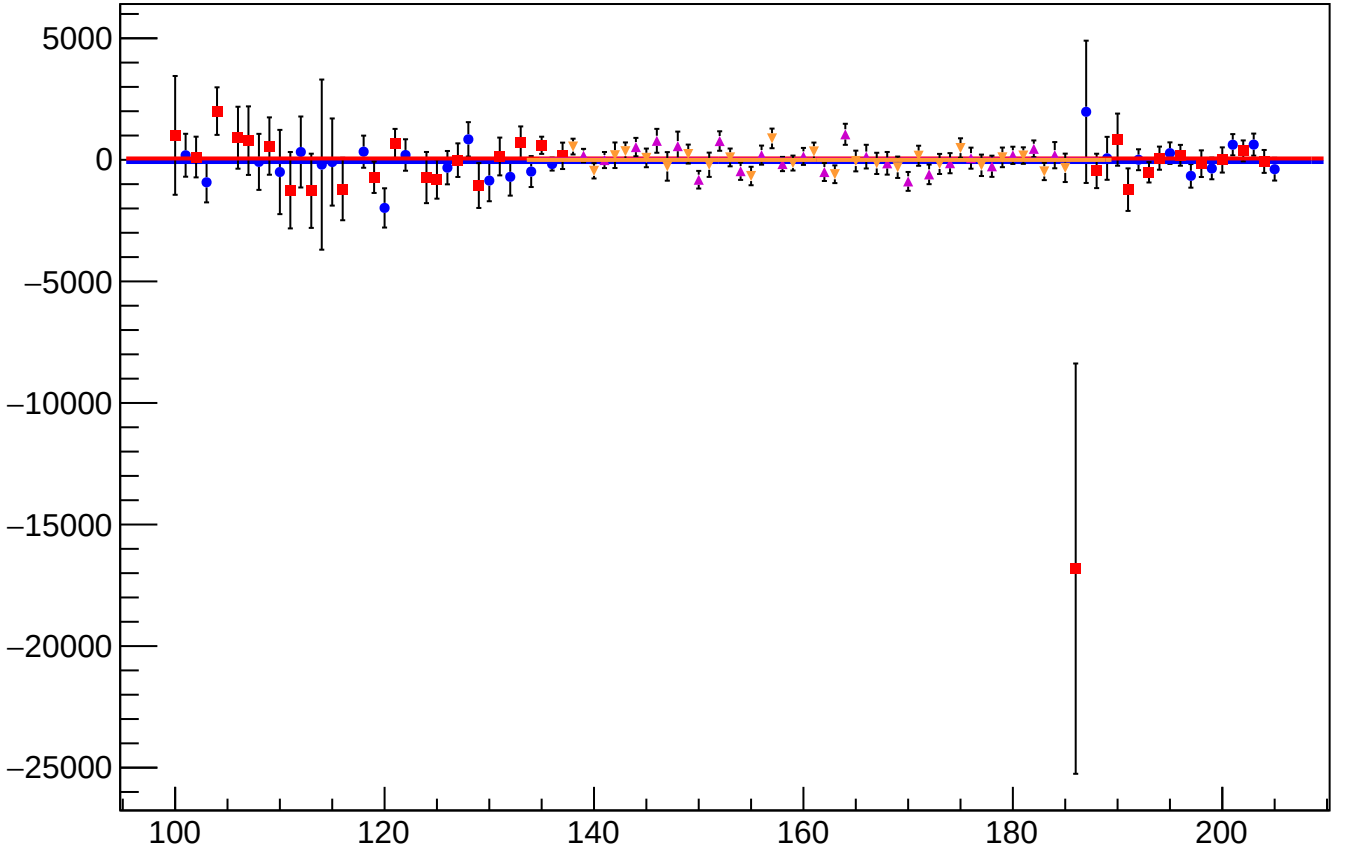
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.218+/-0.010 χ^2/NDF: 1369260.4/49

All: 81.850+/-0.007 χ^2/NDF: 3340305.2/102

- sign 82.504+/-0.010 χ^2/NDF: 1962995.4/52

asym_sam1_dit_correction_mean vs Slug



Right In: -89.520+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 56.624+/-120.433 χ^2/NDF: 26.4/29

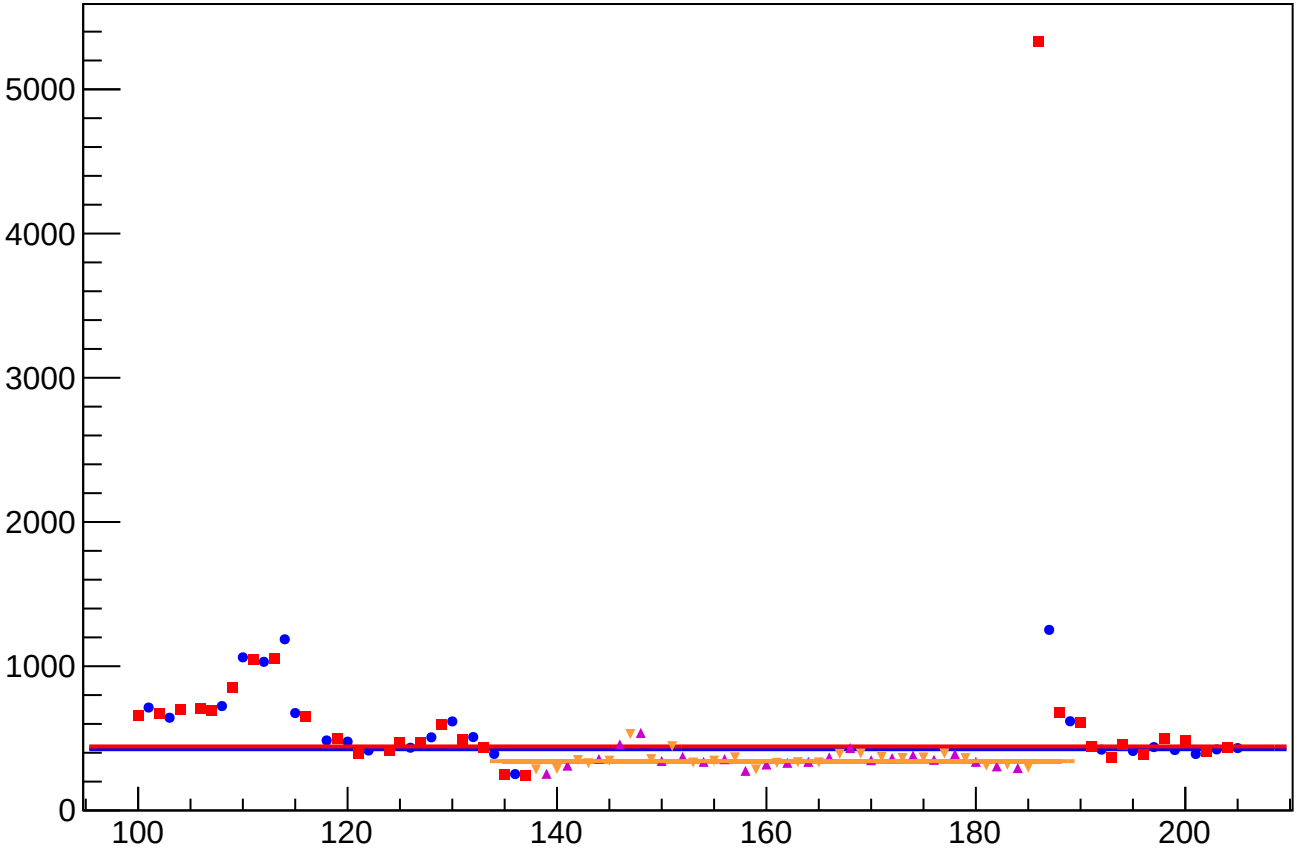
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -29.283+/-65.604 χ^2/NDF: 43.5/49

All: -0.757+/-46.832 χ^2/NDF: 105.3/102

\- sign 28.885+/-66.874 χ^2/NDF: 61.4/52

asym_sam1_dit_correction_rms vs Slug



Right In: 424.674+/-0.084 χ^2/NDF: 2528089.6/24

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.789+/-0.085 χ^2/NDF: 3401022.9/29

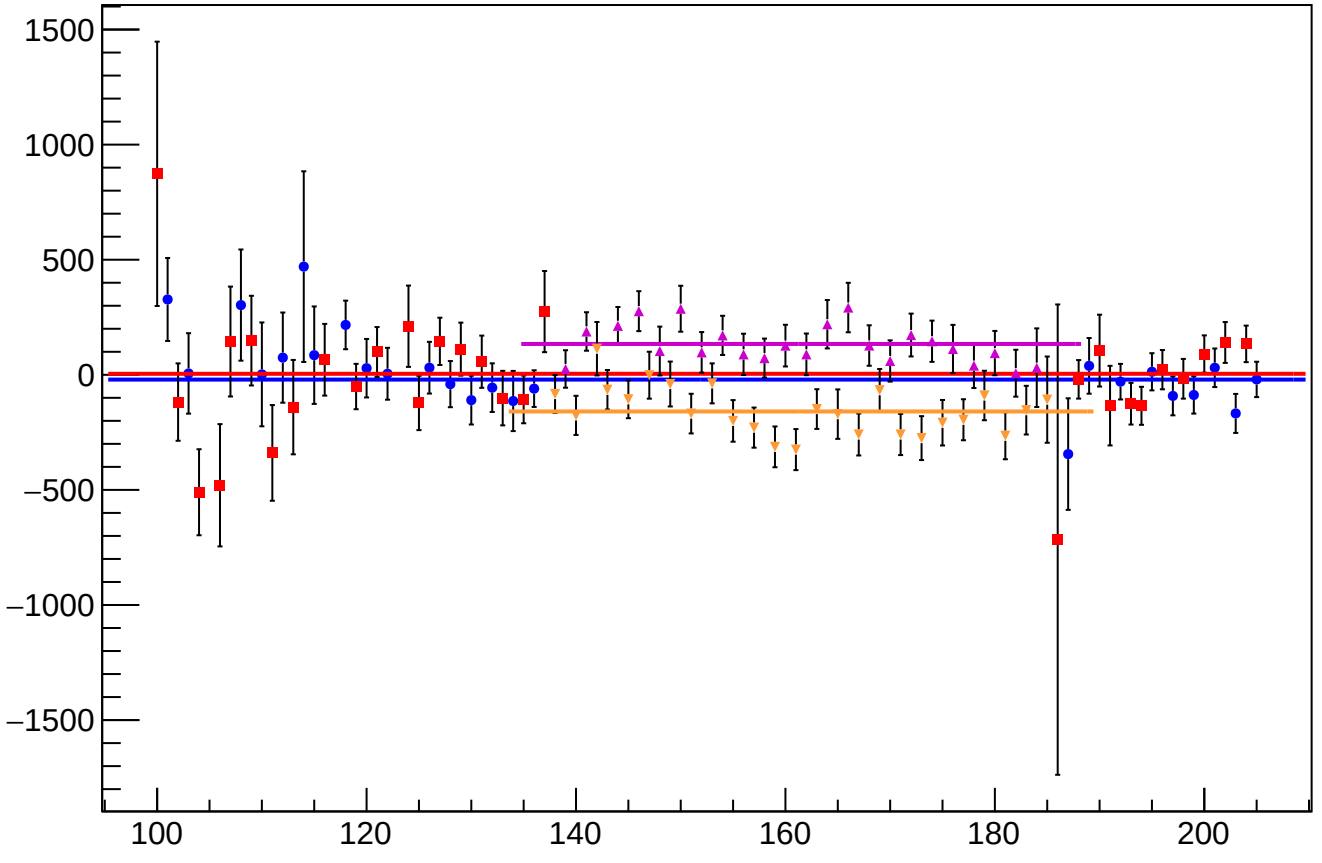
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 366.994+/-0.046 χ^2/NDF: 3854161.5/49

All: 369.257+/-0.033 χ^2/NDF: 9145463.6/102

- sign 371.607+/-0.047 χ^2/NDF: 5286452.8/52

eigen_dit_asym_sam1_mean vs Slug



Right In: -20.744+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 4.383+/-21.584 χ^2/NDF: 41.7/29

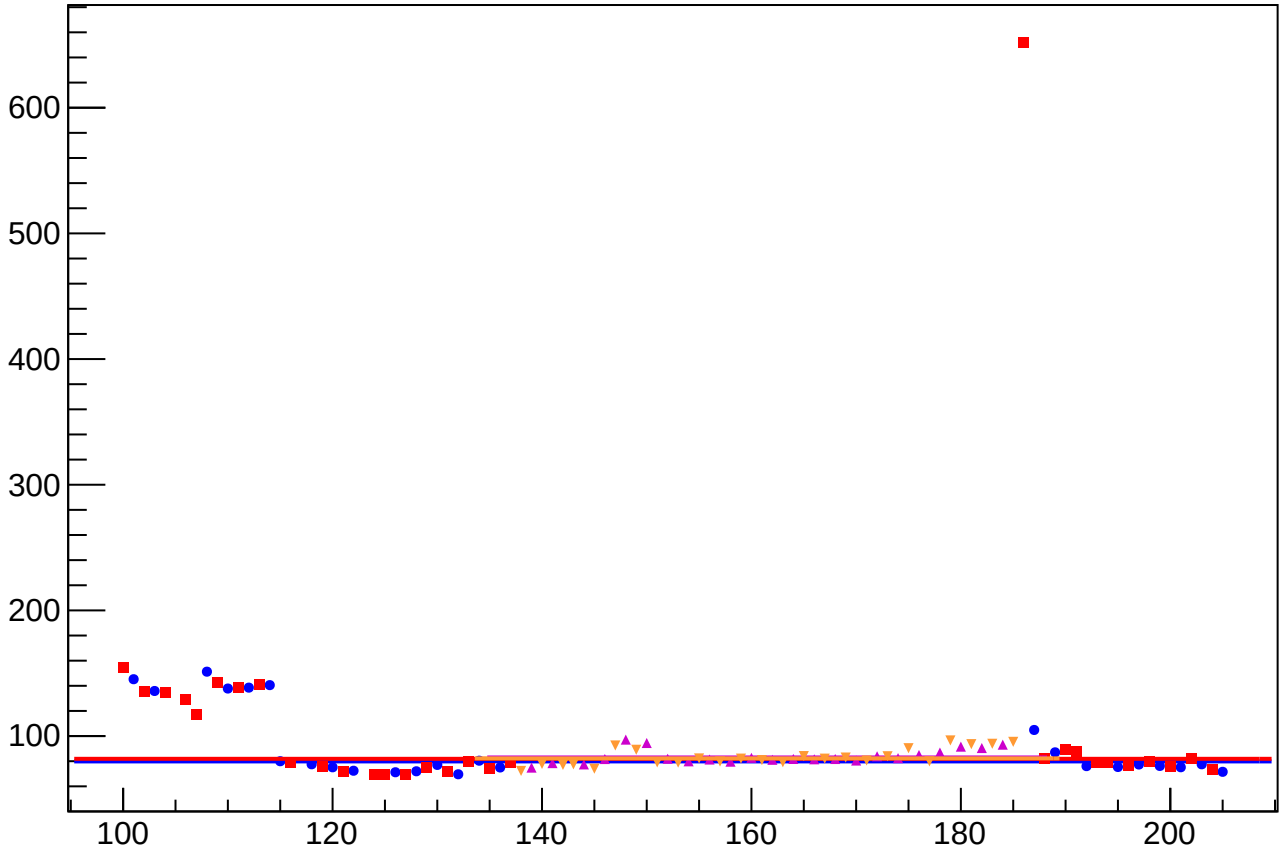
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.245+/-14.206 χ^2/NDF: 72.9/49

All: -13.617+/-10.129 χ^2/NDF: 226.6/102

- sign 75.951+/-14.445 χ^2/NDF: 78.0/52

eigen_dit_asym_sam1_rms vs Slug



Right In: 79.831+/-0.015 χ^2/NDF: 1138568.7/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.3/29

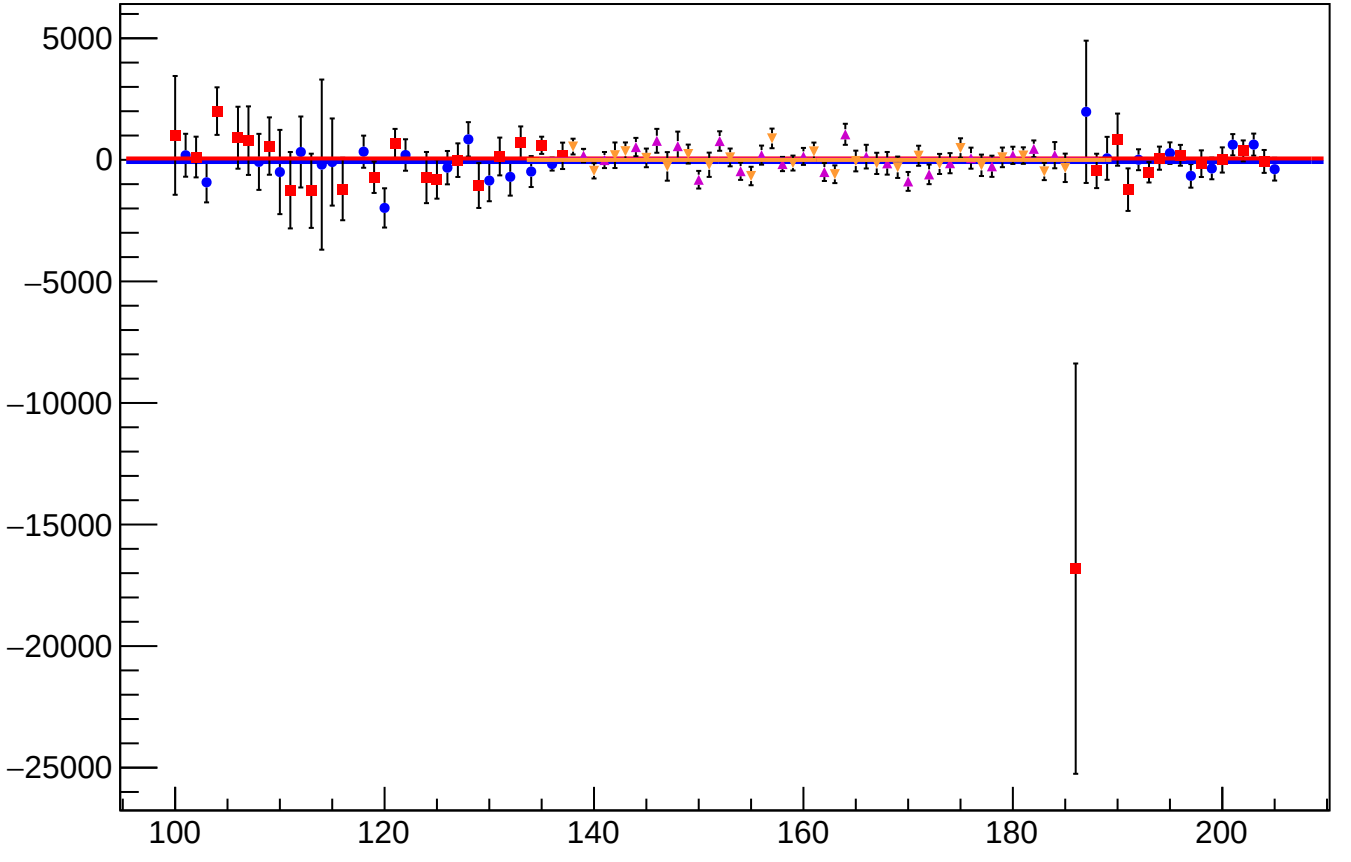
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.218+/-0.010 χ^2/NDF: 1369263.1/49

All: 81.850+/-0.007 χ^2/NDF: 3340307.1/102

- sign 82.503+/-0.010 χ^2/NDF: 1962994.9/52

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -89.519+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 56.624+/-120.432 χ^2/NDF: 26.4/29

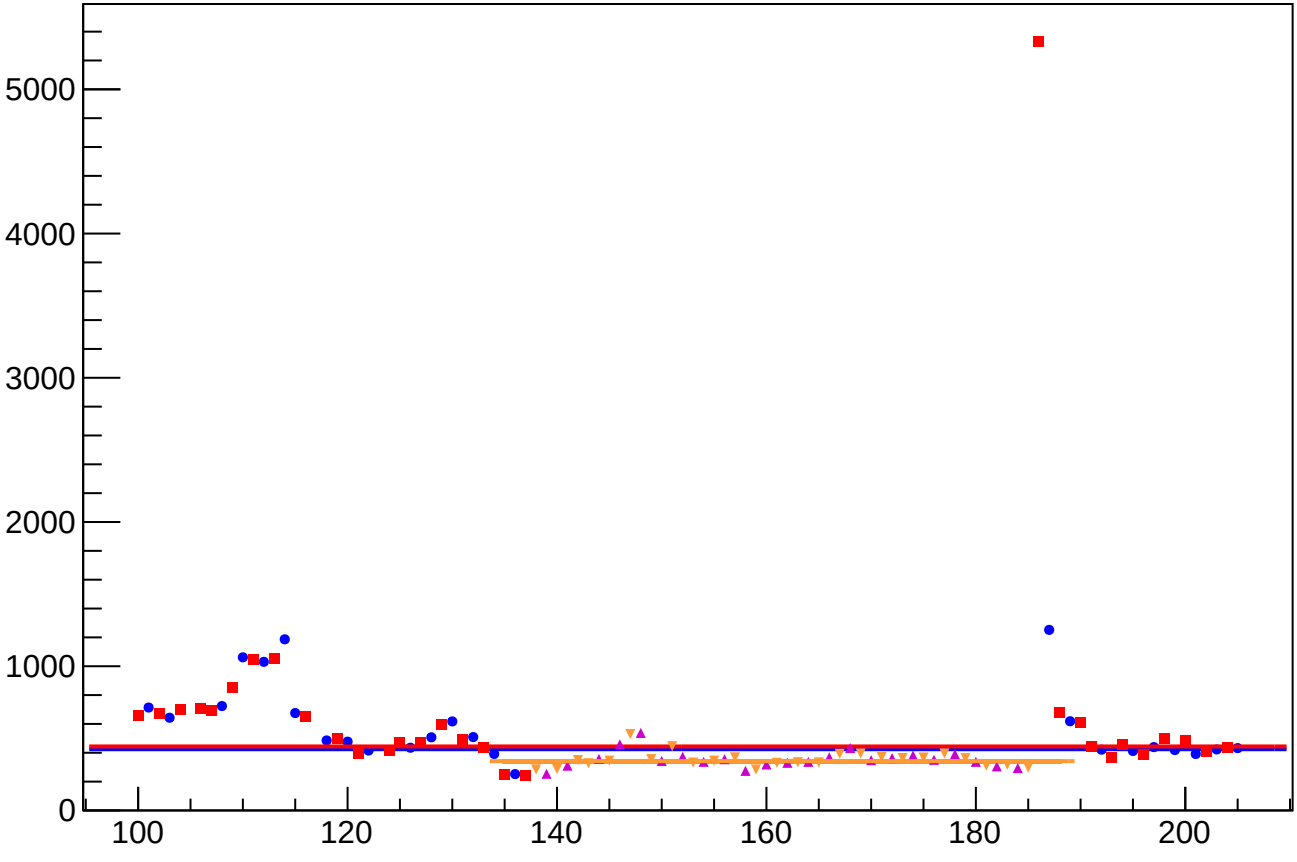
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -29.282+/-65.604 χ^2/NDF: 43.5/49

All: -0.756+/-46.832 χ^2/NDF: 105.3/102

- sign 28.885+/-66.874 χ^2/NDF: 61.4/52

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 424.673+/-0.084 χ^2/NDF: 2528095.0/24

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.788+/-0.085 χ^2/NDF: 3401031.5/29

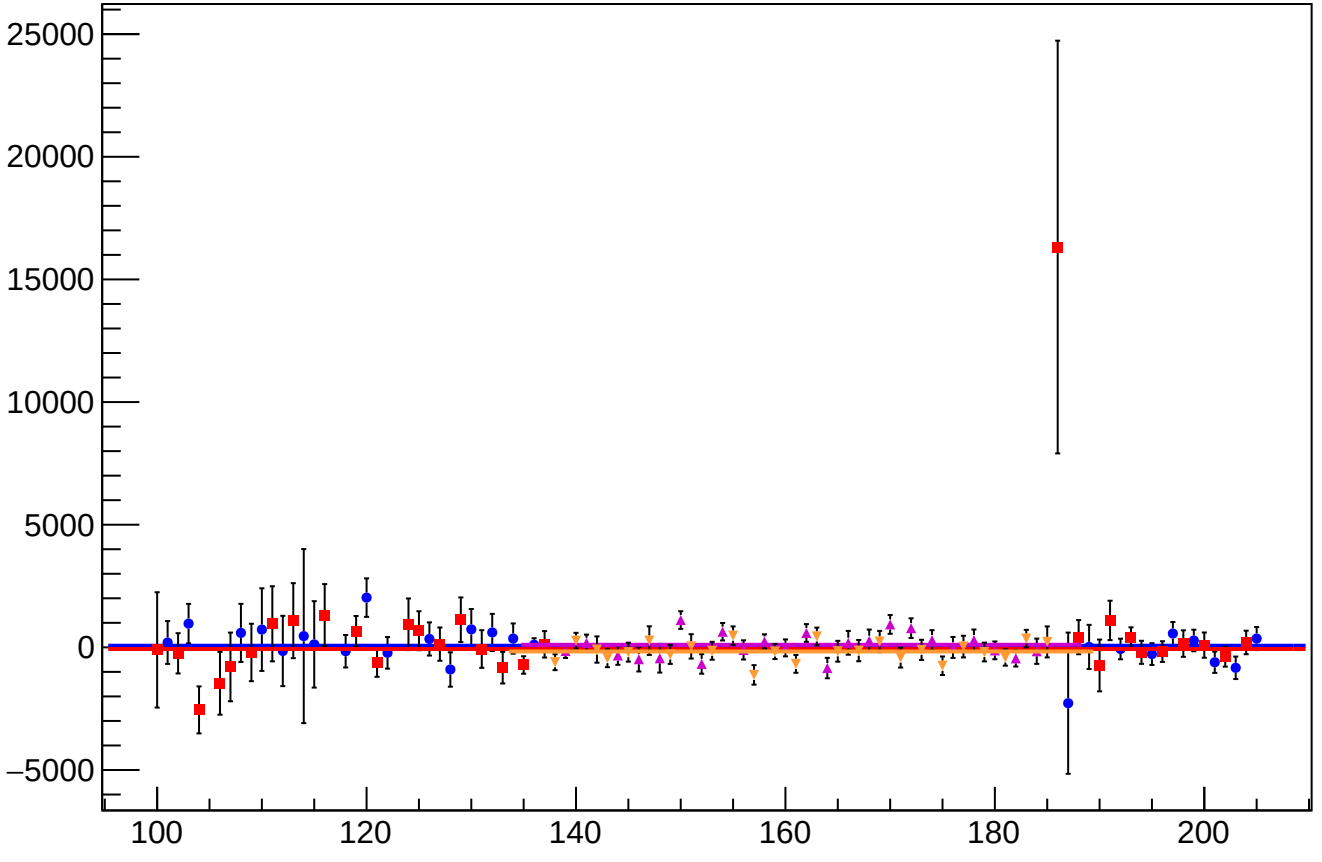
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 366.994+/-0.046 χ^2/NDF: 3854157.3/49

All: 369.256+/-0.033 χ^2/NDF: 9145454.3/102

- sign 371.607+/-0.047 χ^2/NDF: 5286447.9/52

asym_sam1_mean vs Slug



Right In: 66.020+/-118.025 χ^2/NDF: 21.1/24

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -67.002+/-118.728 χ^2/NDF: 30.4/29

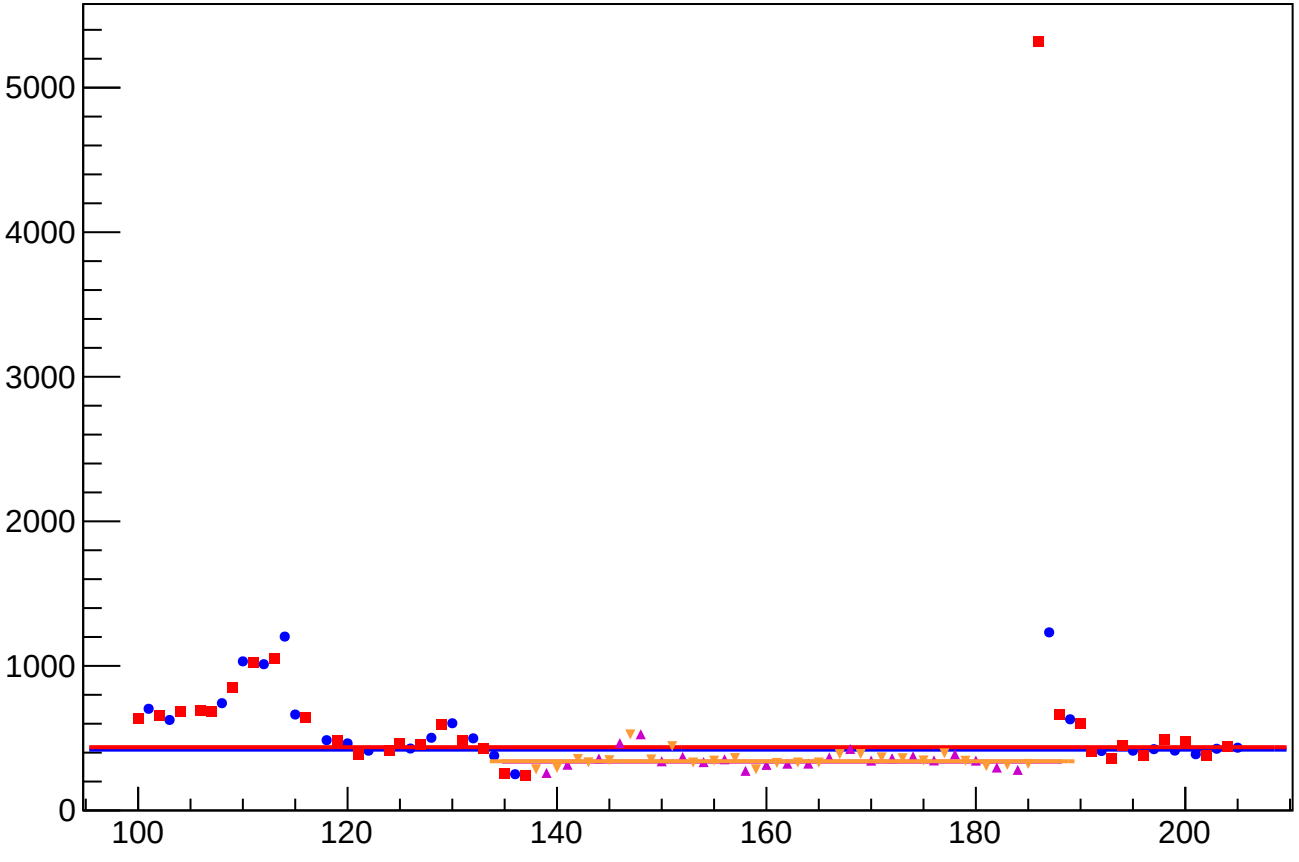
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -96.202+/-65.177 χ^2/NDF: 49.4/49

All: -24.091+/-46.493 χ^2/NDF: 121.2/102

- sign 50.620+/-66.342 χ^2/NDF: 69.3/52

asym_sam1_rms vs Slug



Right In: 420.668+/-0.083 χ^2/NDF: 2508085.5/24

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.687+/-0.084 χ^2/NDF: 3360268.4/29

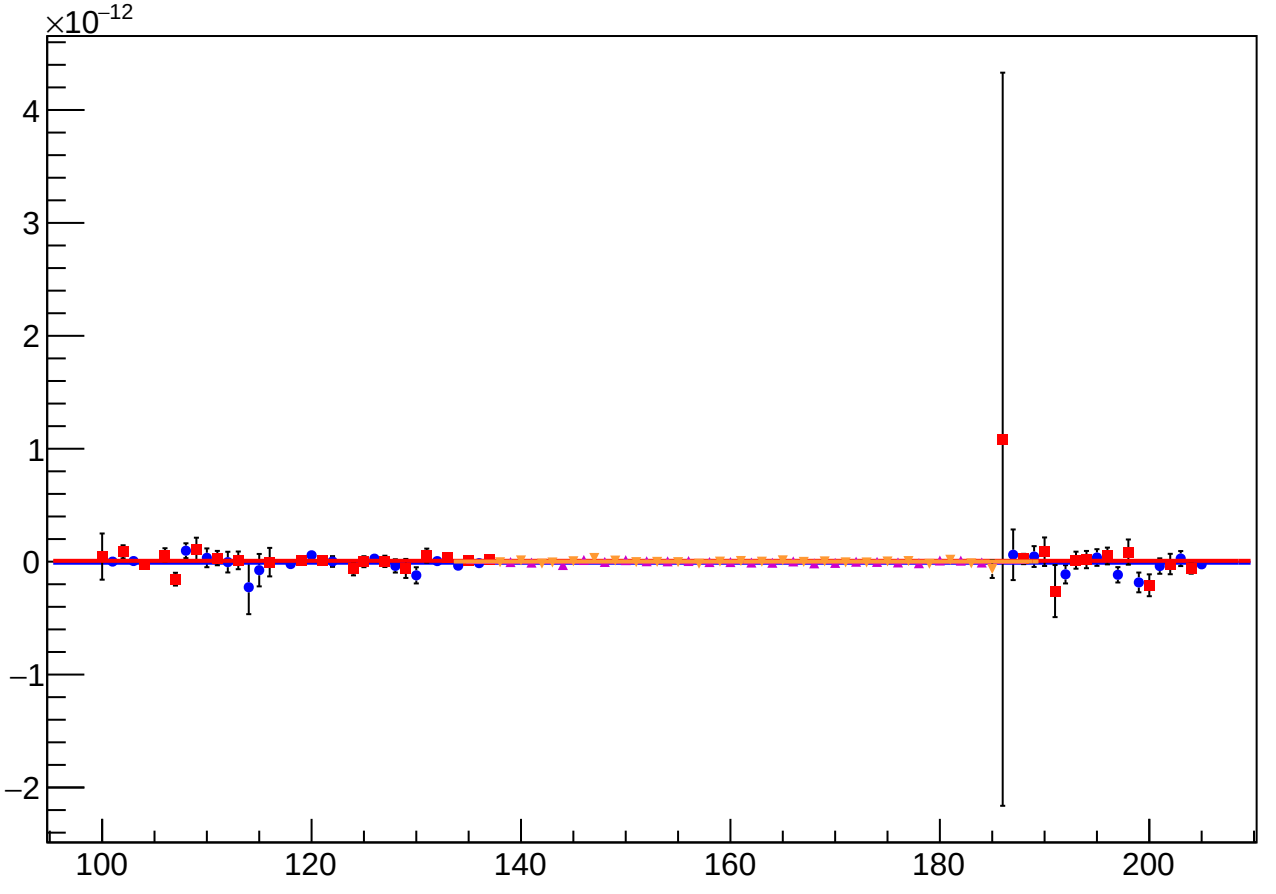
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 364.872+/-0.046 χ^2/NDF: 3755329.5/49

All: 366.880+/-0.033 χ^2/NDF: 8914561.8/102

- sign 368.959+/-0.047 χ^2/NDF: 5155370.4/52

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

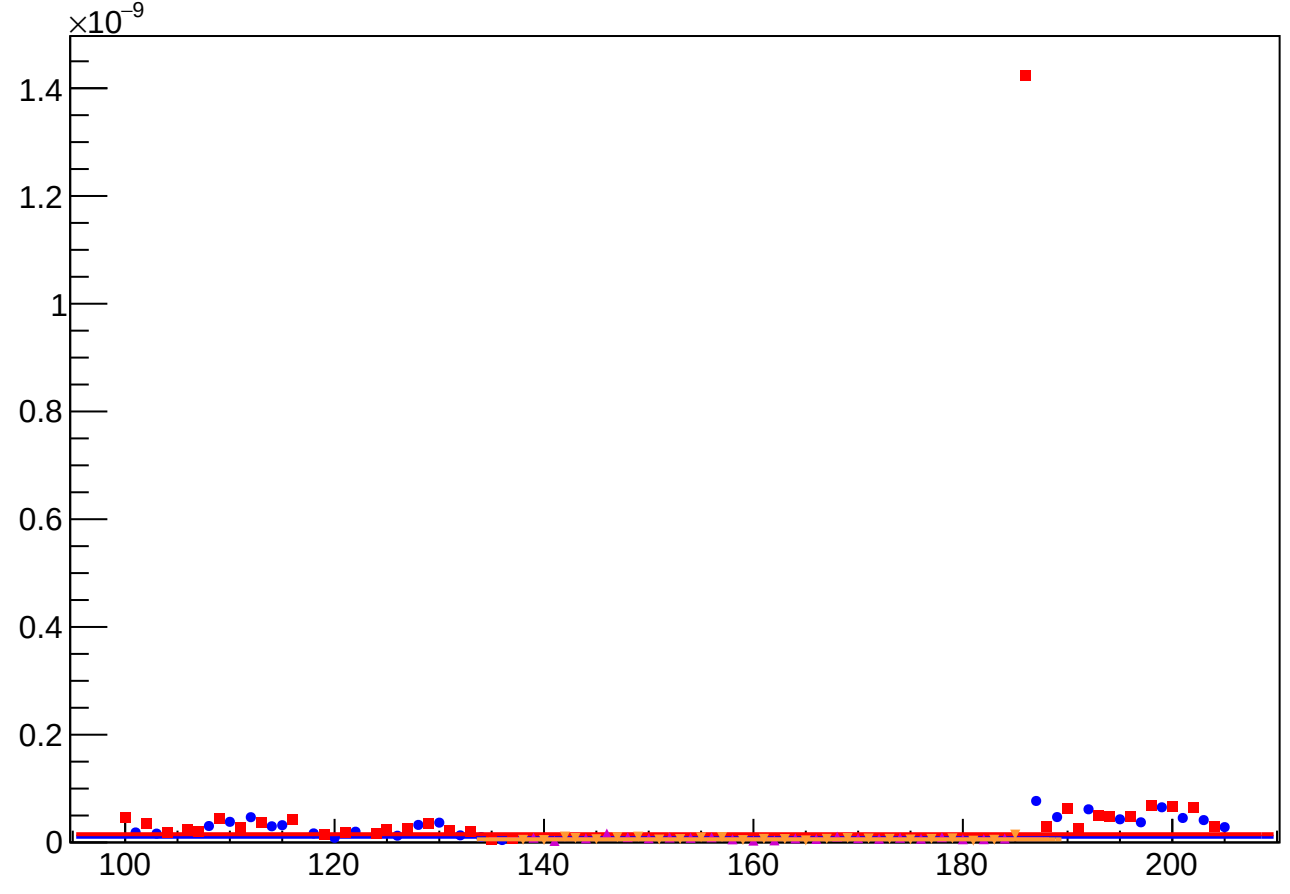
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/29

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/49

All: -0.000+/-0.000 χ^2/NDF: 83.8/102

- sign -0.000+/-0.000 χ^2/NDF: 40.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 7035434.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6973505.8/29

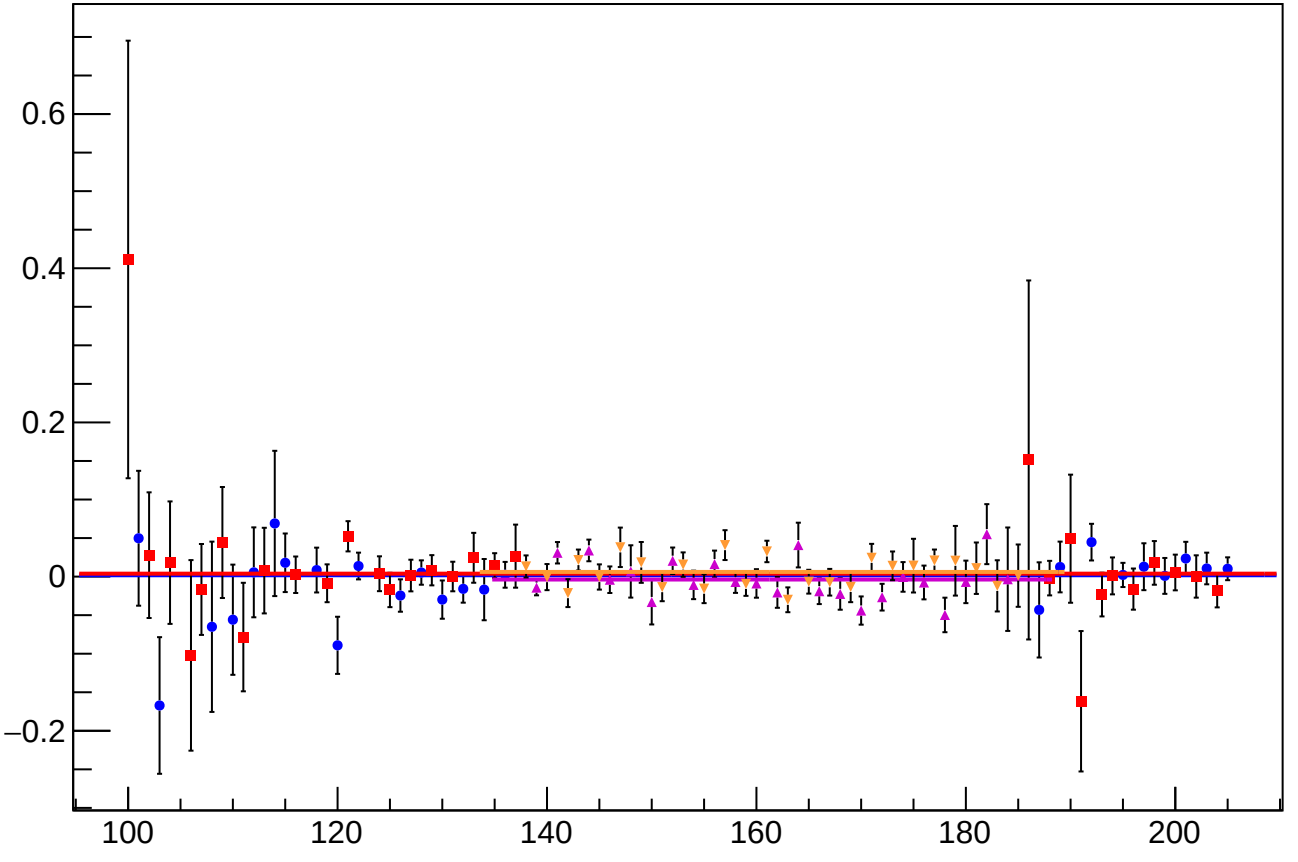
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9295096.3/49

All: 0.000+/-0.000 χ^2/NDF: 20822994.5/102

- sign 0.000+/-0.000 χ^2/NDF: 11430085.2/52

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

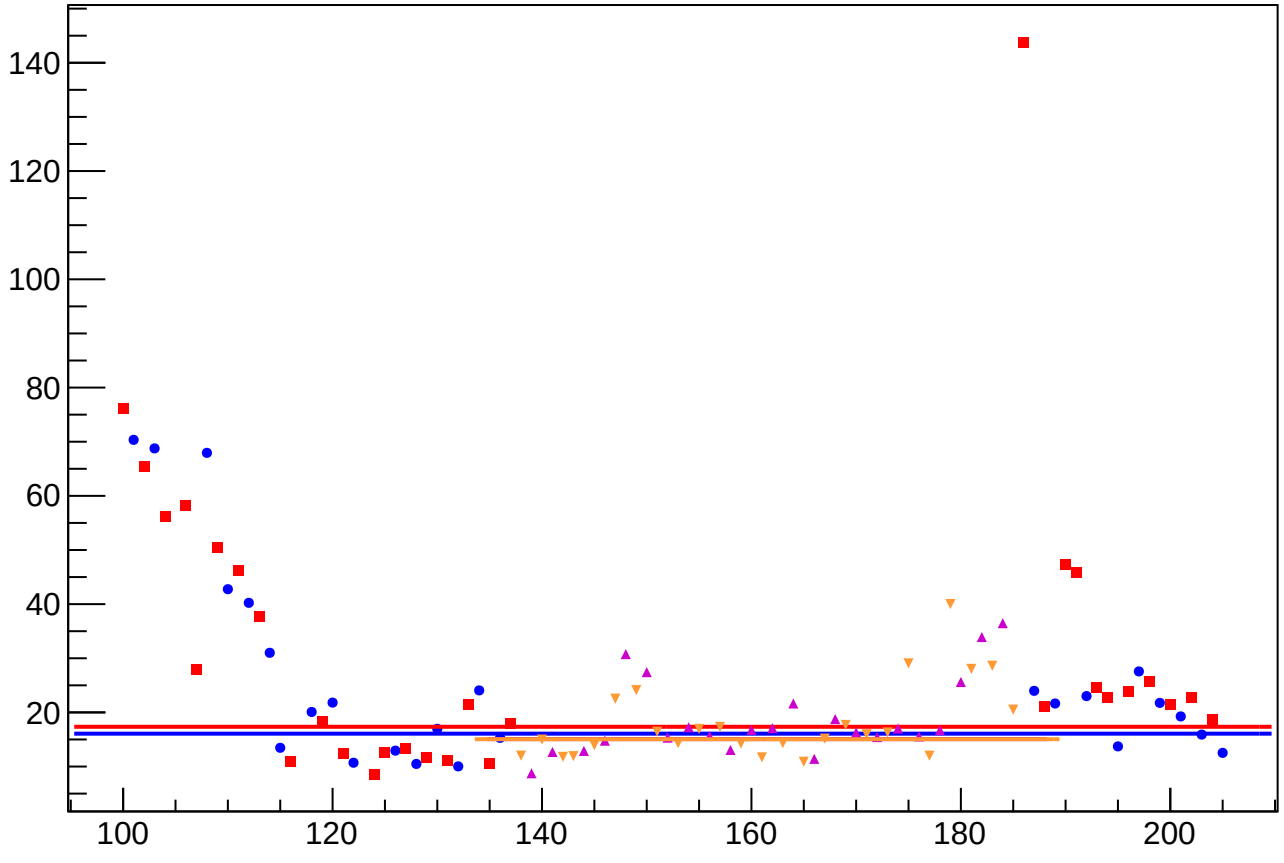
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.7/102

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

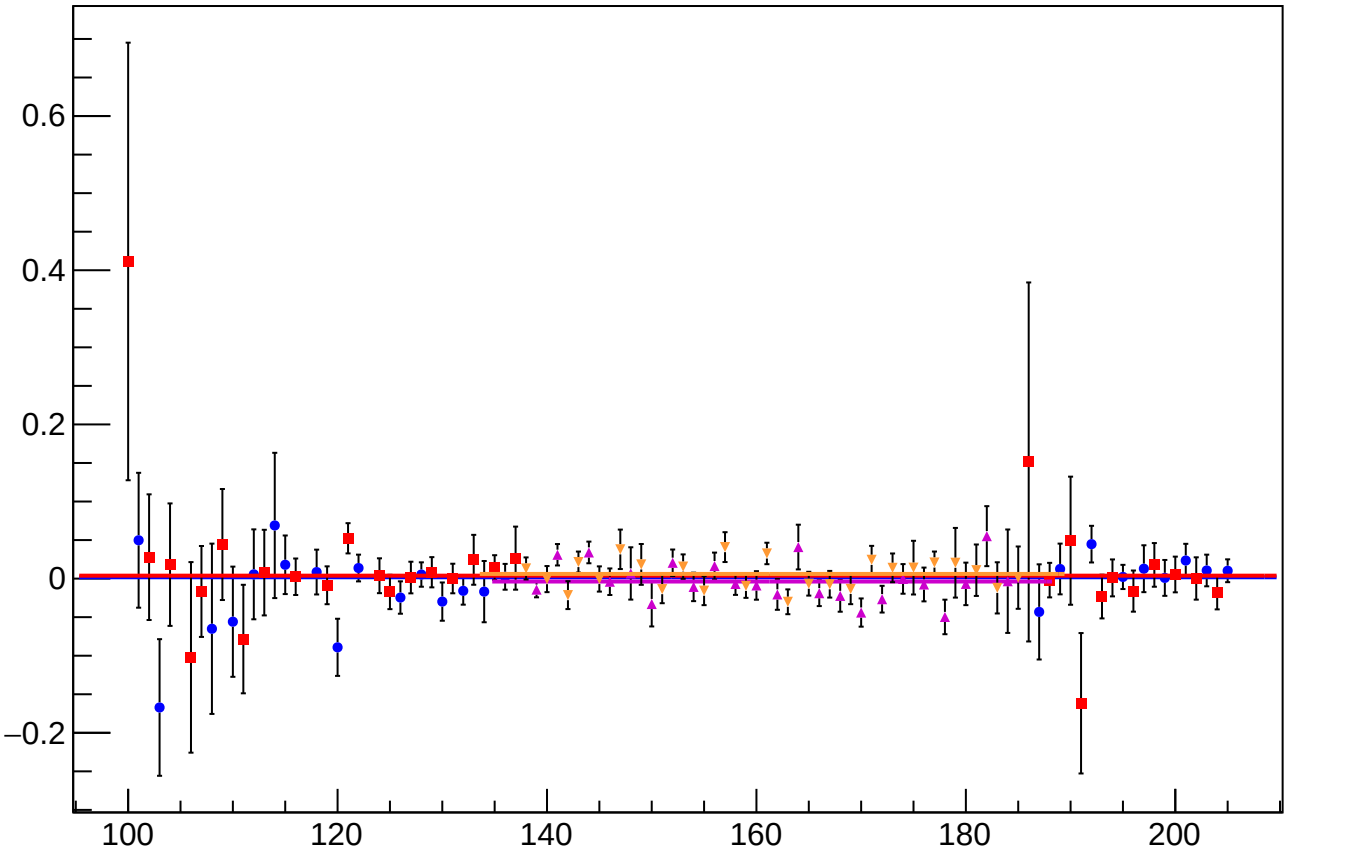
Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.413+/-0.002 χ^2/NDF: 7168985.9/49

All: 15.637+/-0.002 χ^2/NDF: 16364706.6/102

- sign 15.880+/-0.002 χ^2/NDF: 9171692.5/52



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

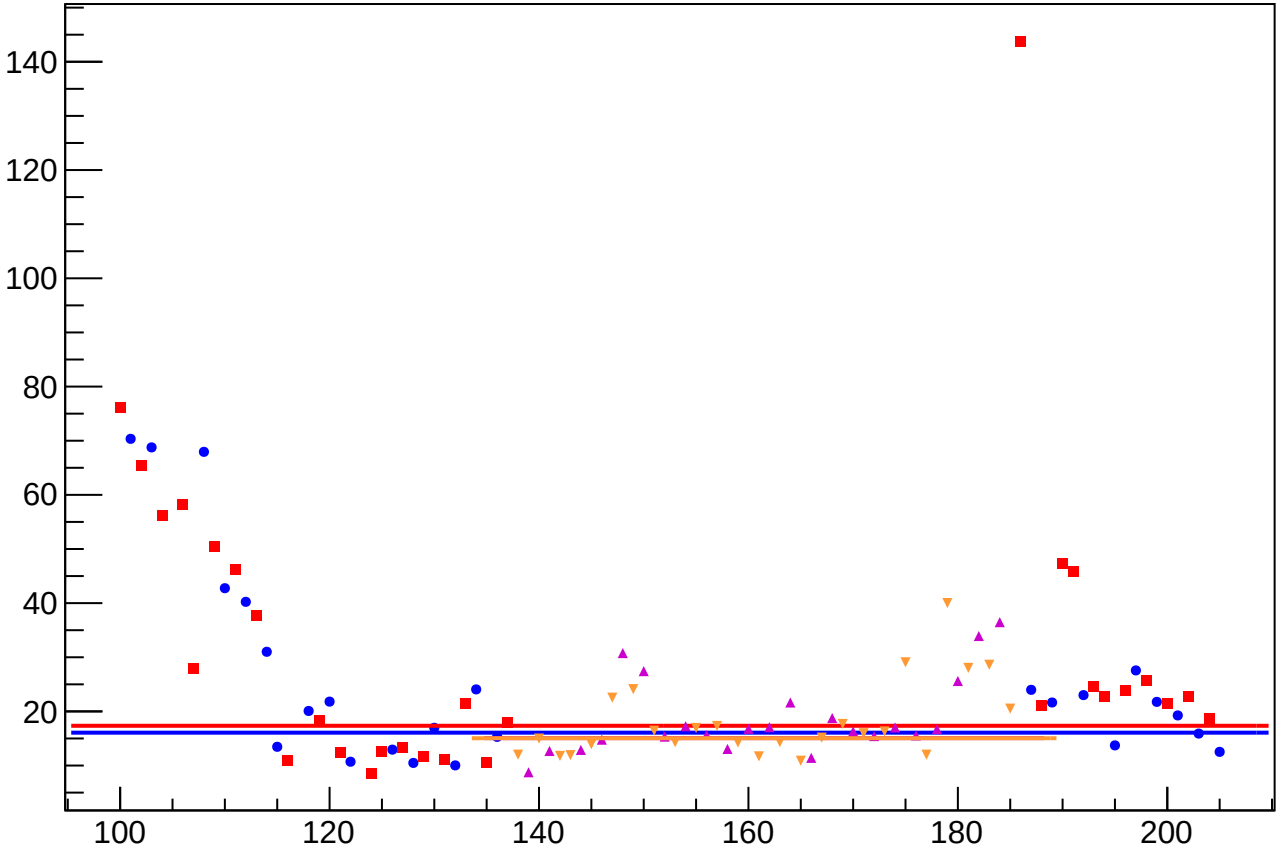
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.7/102

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

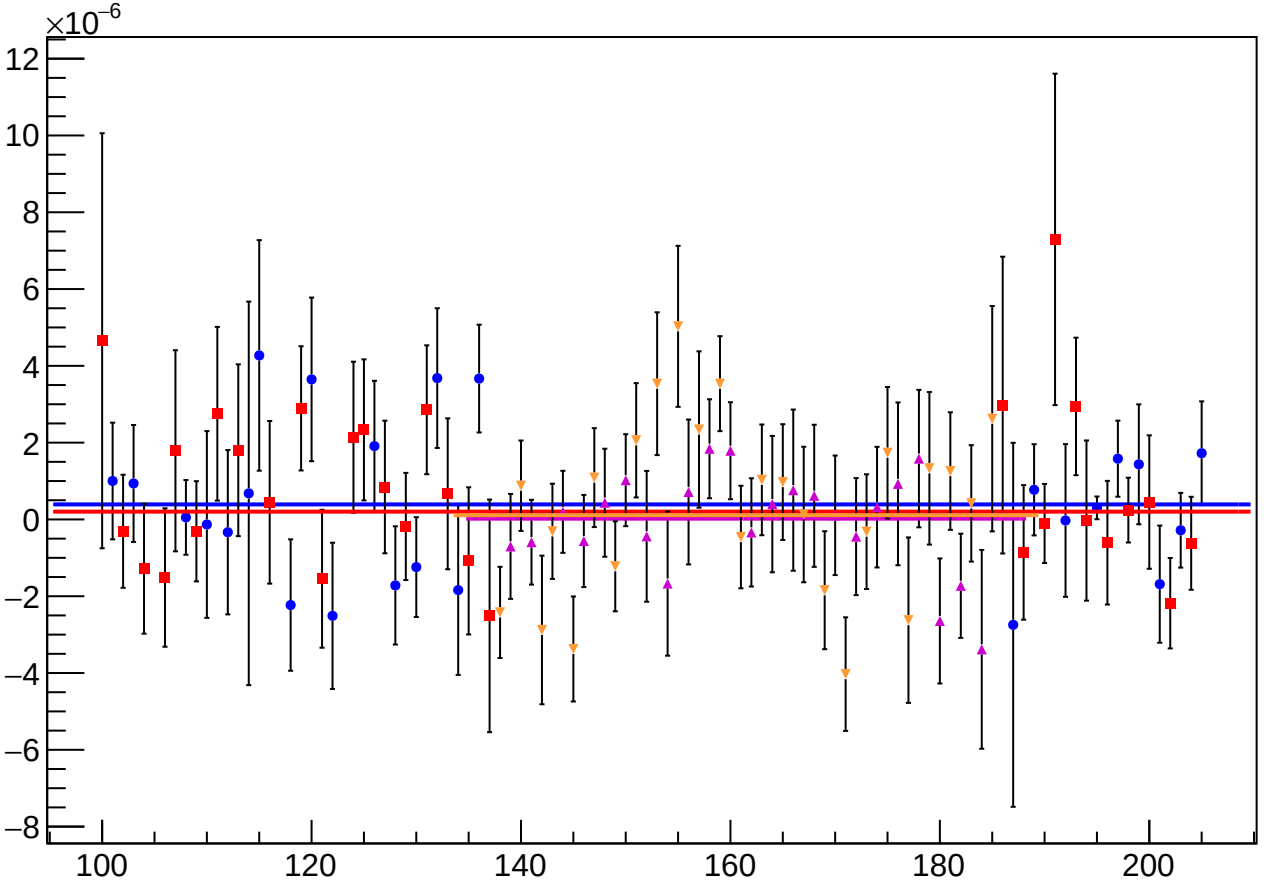
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.413+/-0.002 χ^2/NDF: 7168985.9/49

All: 15.637+/-0.002 χ^2/NDF: 16364706.6/102

- sign 15.880+/-0.002 χ^2/NDF: 9171692.5/52

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

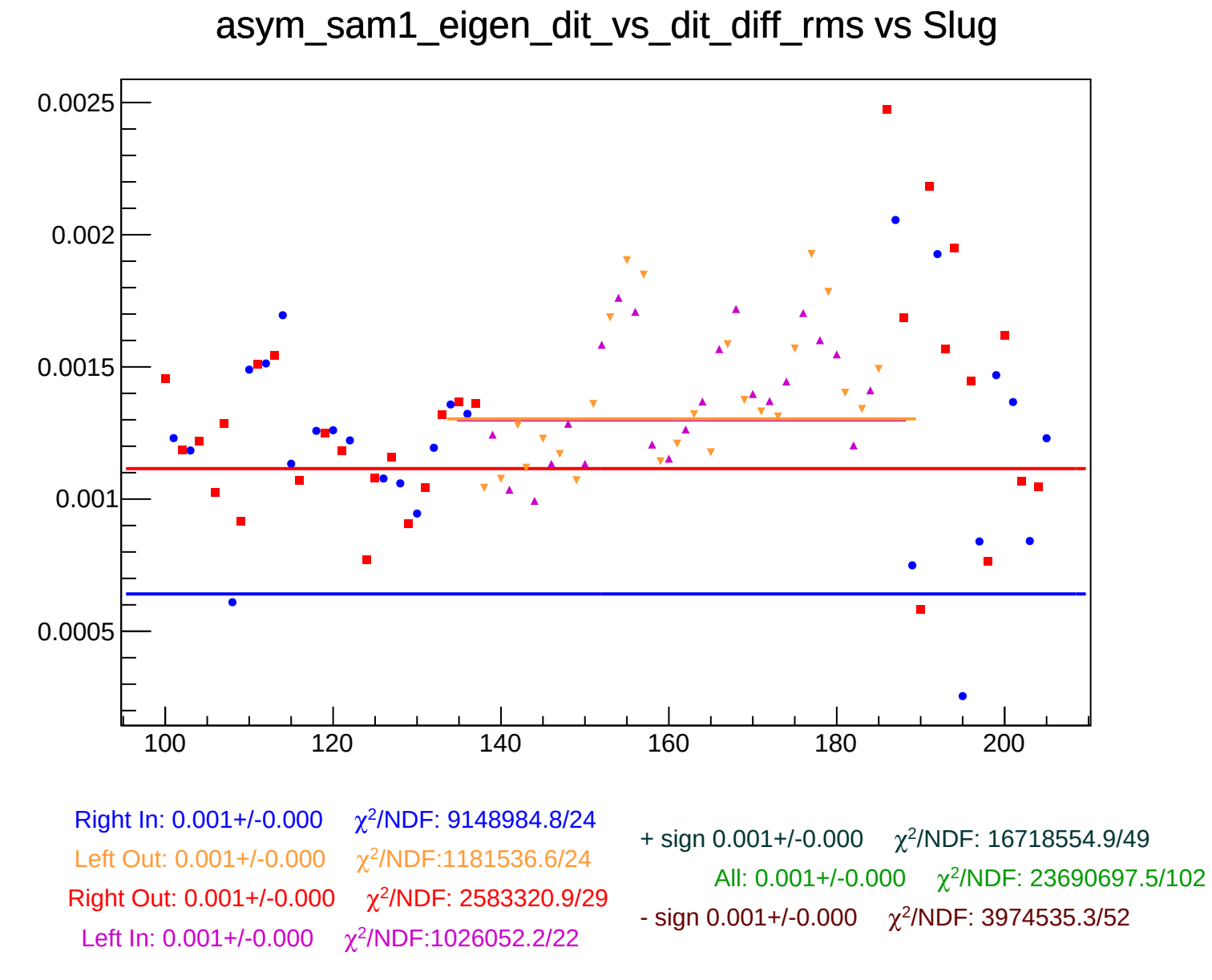
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/29

Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

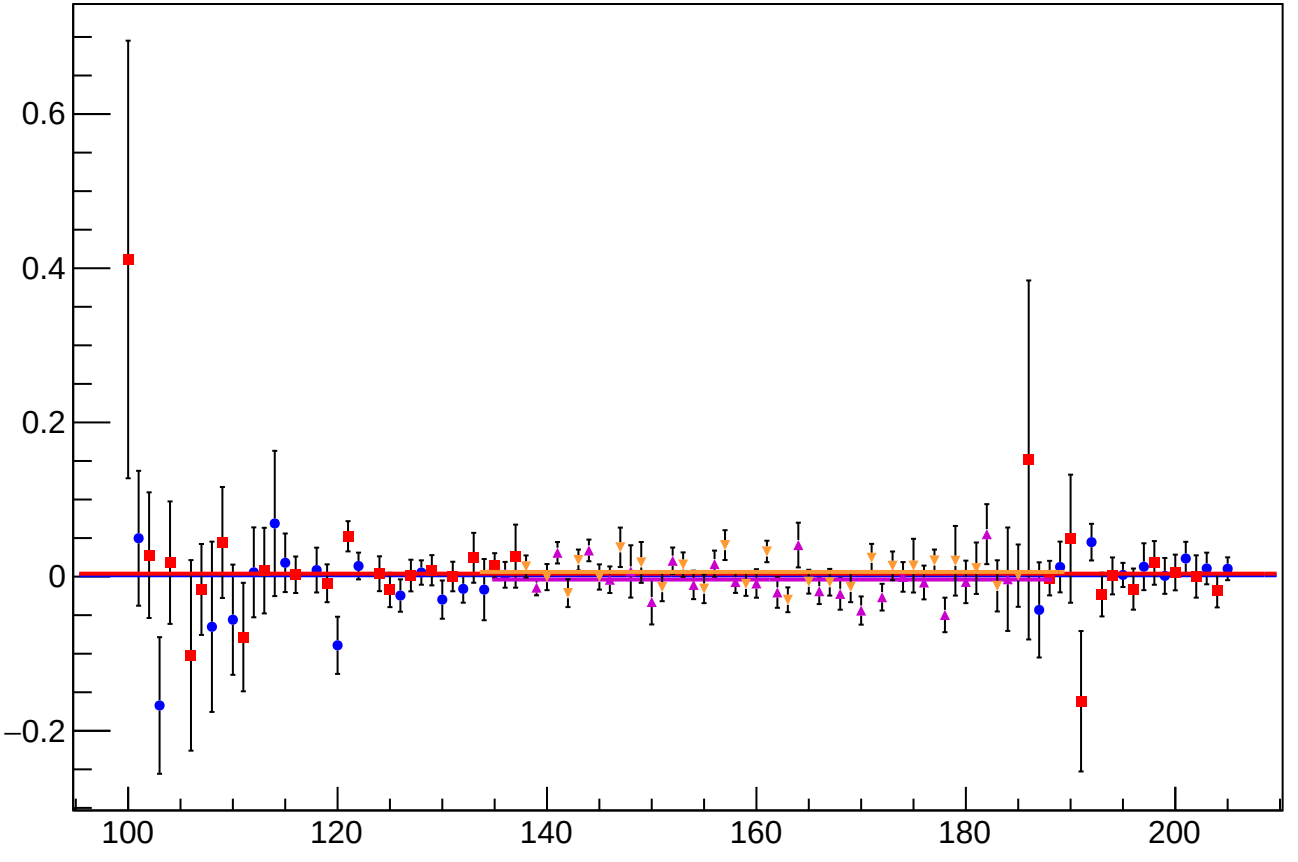
+ sign 0.000+/-0.000 χ^2/NDF: 79.7/49

All: 0.000+/-0.000 χ^2/NDF: 120.1/102

- sign 0.000+/-0.000 χ^2/NDF: 40.0/52


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9148984.8/24
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2583320.9/29
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
+ sign 0.001+/-0.000 χ²/NDF: 16718554.9/49
All: 0.001+/-0.000 χ²/NDF: 23690697.5/102
- sign 0.001+/-0.000 χ²/NDF: 3974535.3/52

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

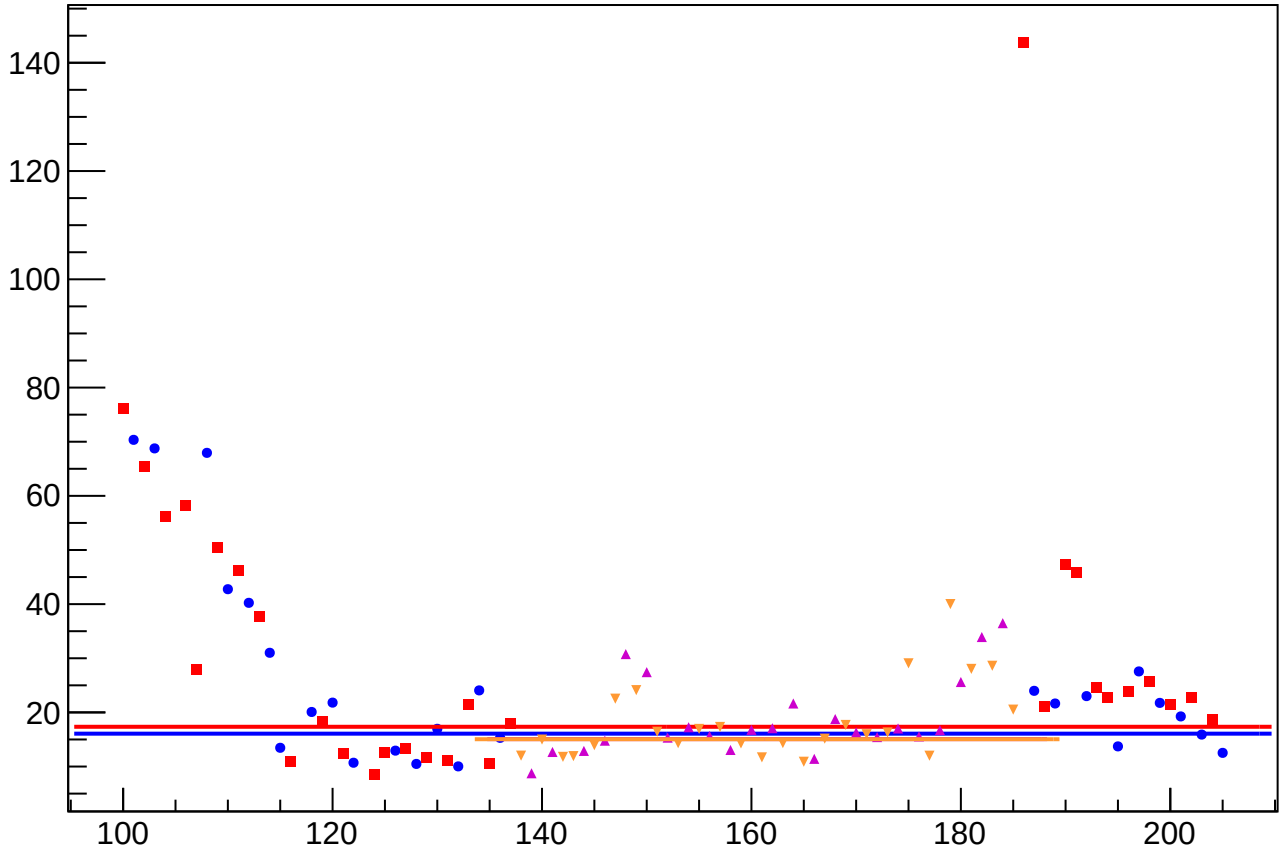
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.7/102

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

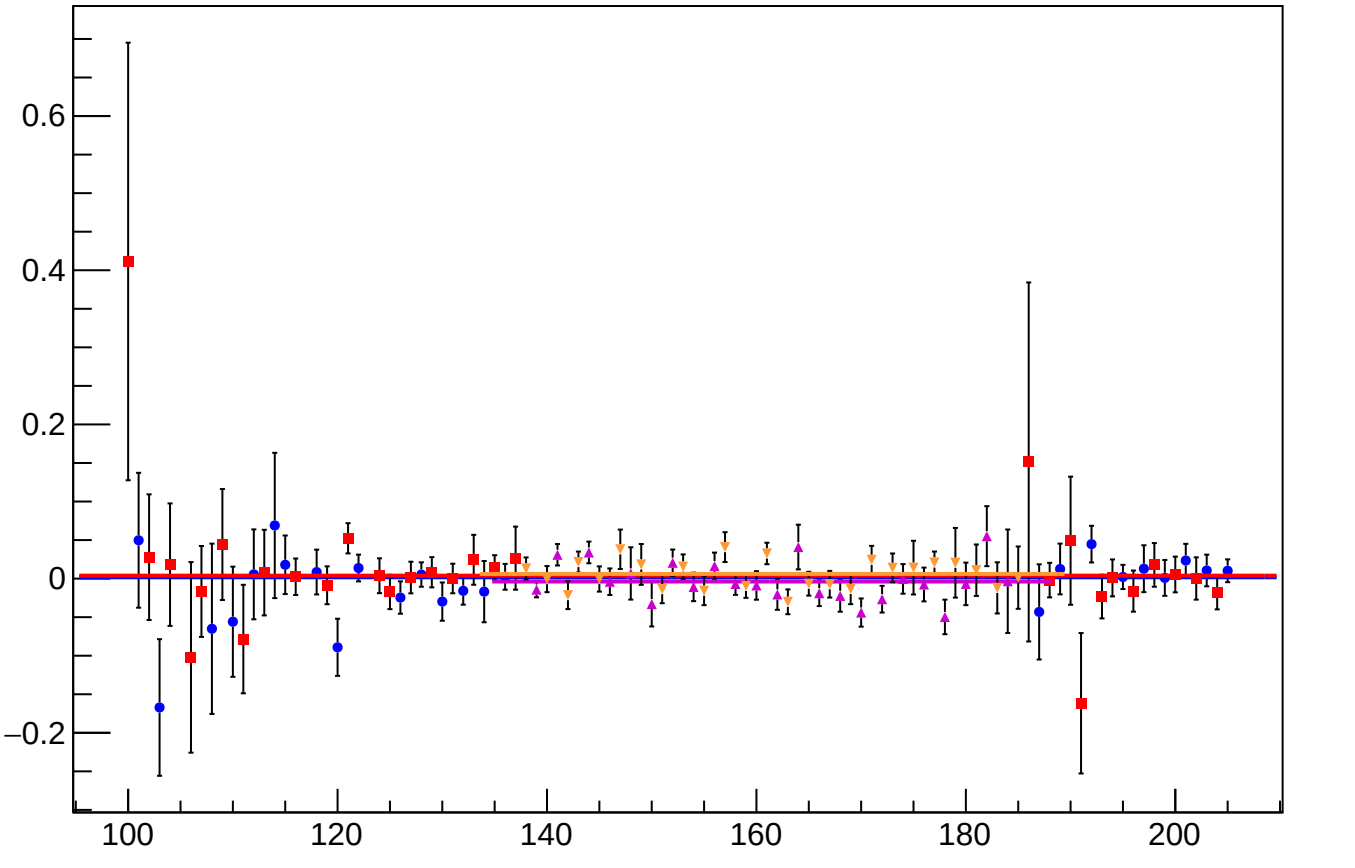
Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.413+/-0.002 χ^2/NDF: 7169198.3/49

All: 15.637+/-0.002 χ^2/NDF: 16364904.6/102

- sign 15.880+/-0.002 χ^2/NDF: 9171669.2/52



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/29

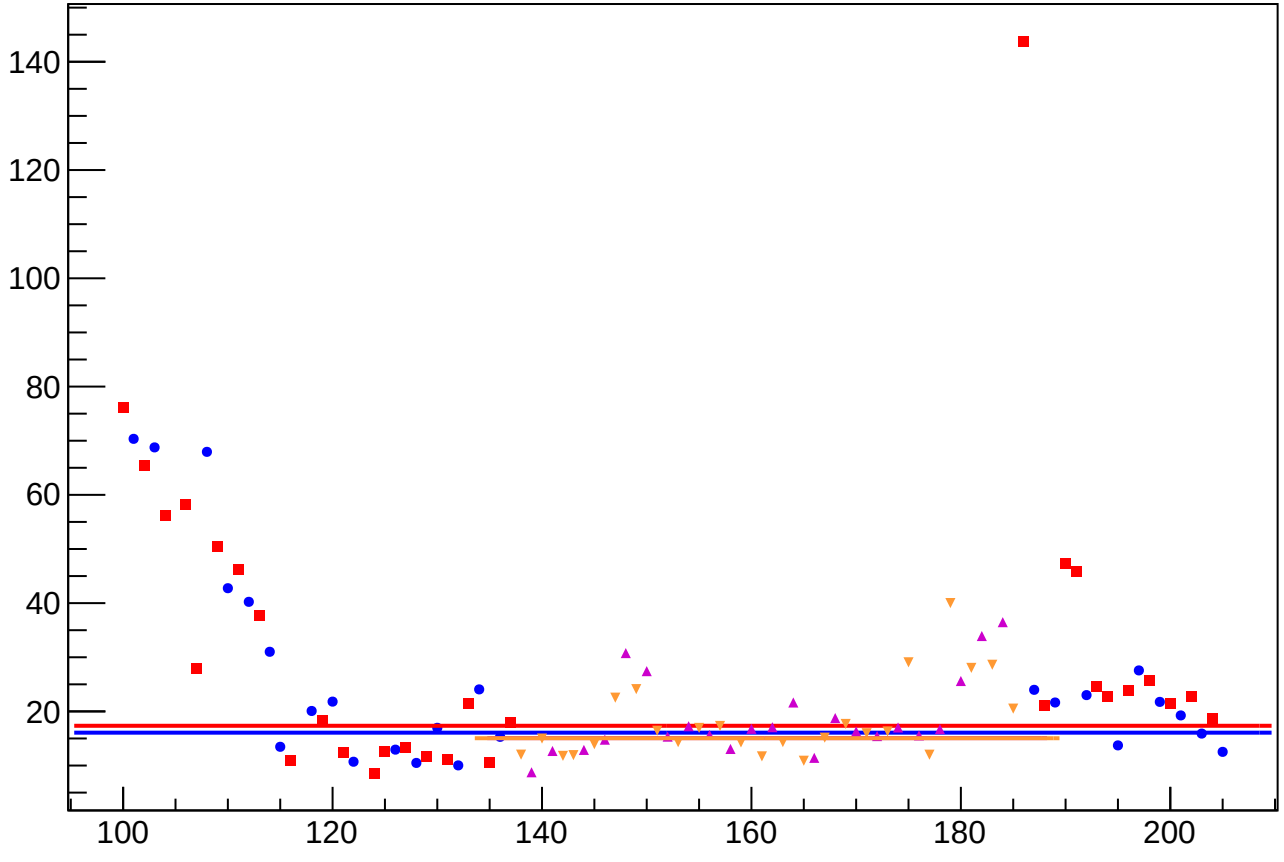
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.7/102

- sign -0.001+/-0.003 χ^2/NDF: 58.6/52

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

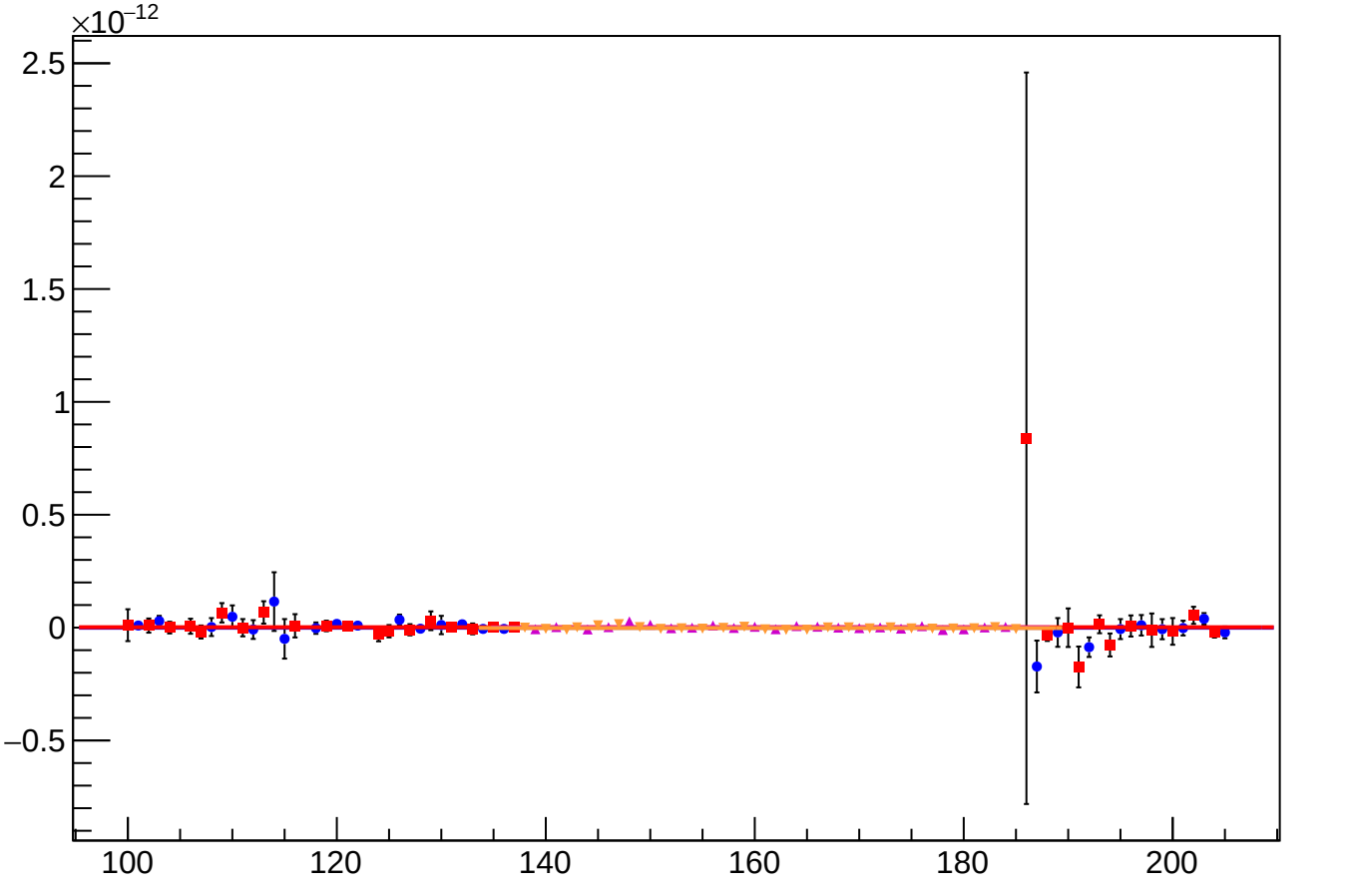
Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.413+/-0.002 χ^2/NDF: 7169198.3/49

All: 15.637+/-0.002 χ^2/NDF: 16364904.6/102

- sign 15.880+/-0.002 χ^2/NDF: 9171669.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/29

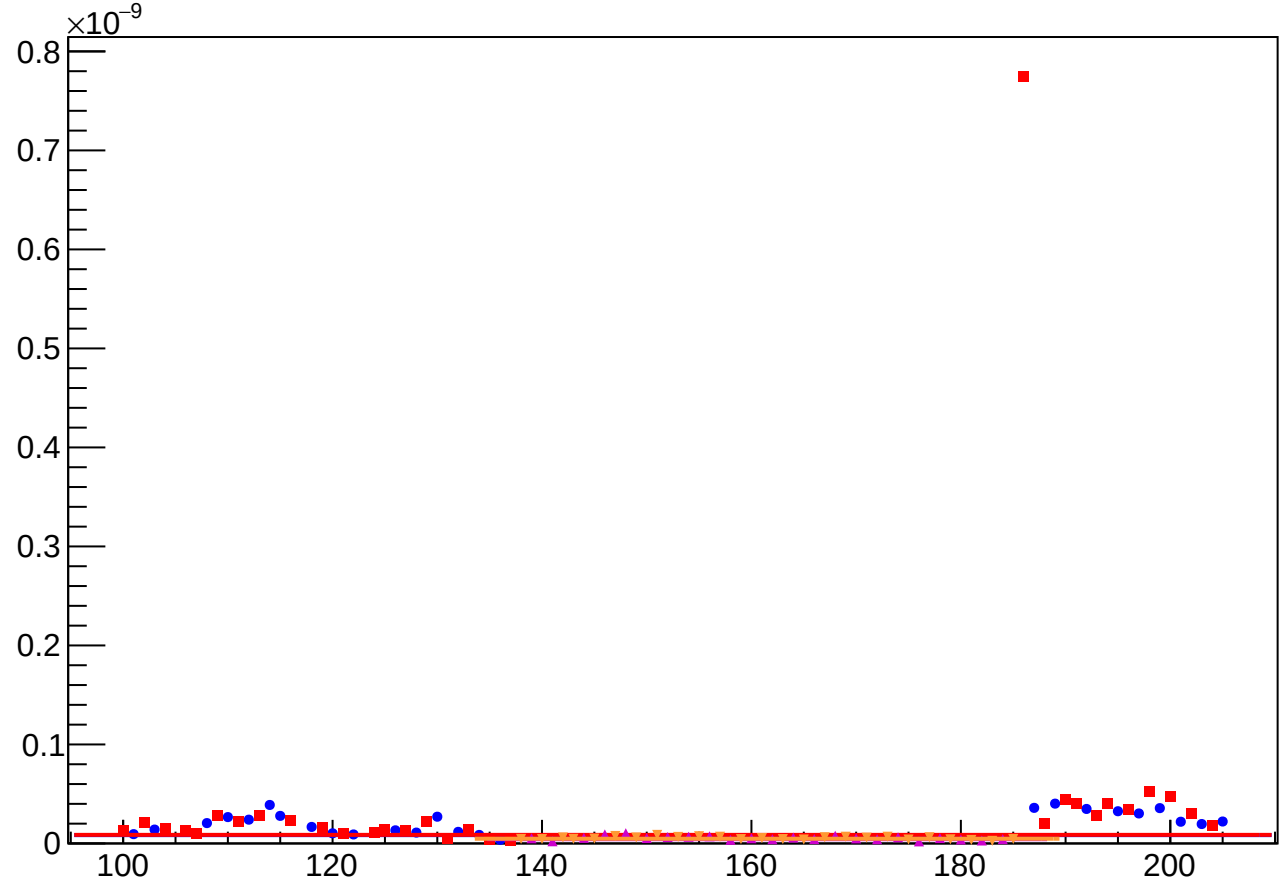
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/49

All: -0.000+/-0.000 χ^2/NDF: 75.8/102

- sign 0.000+/-0.000 χ^2/NDF: 39.9/52

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8322113.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10515868.1/29

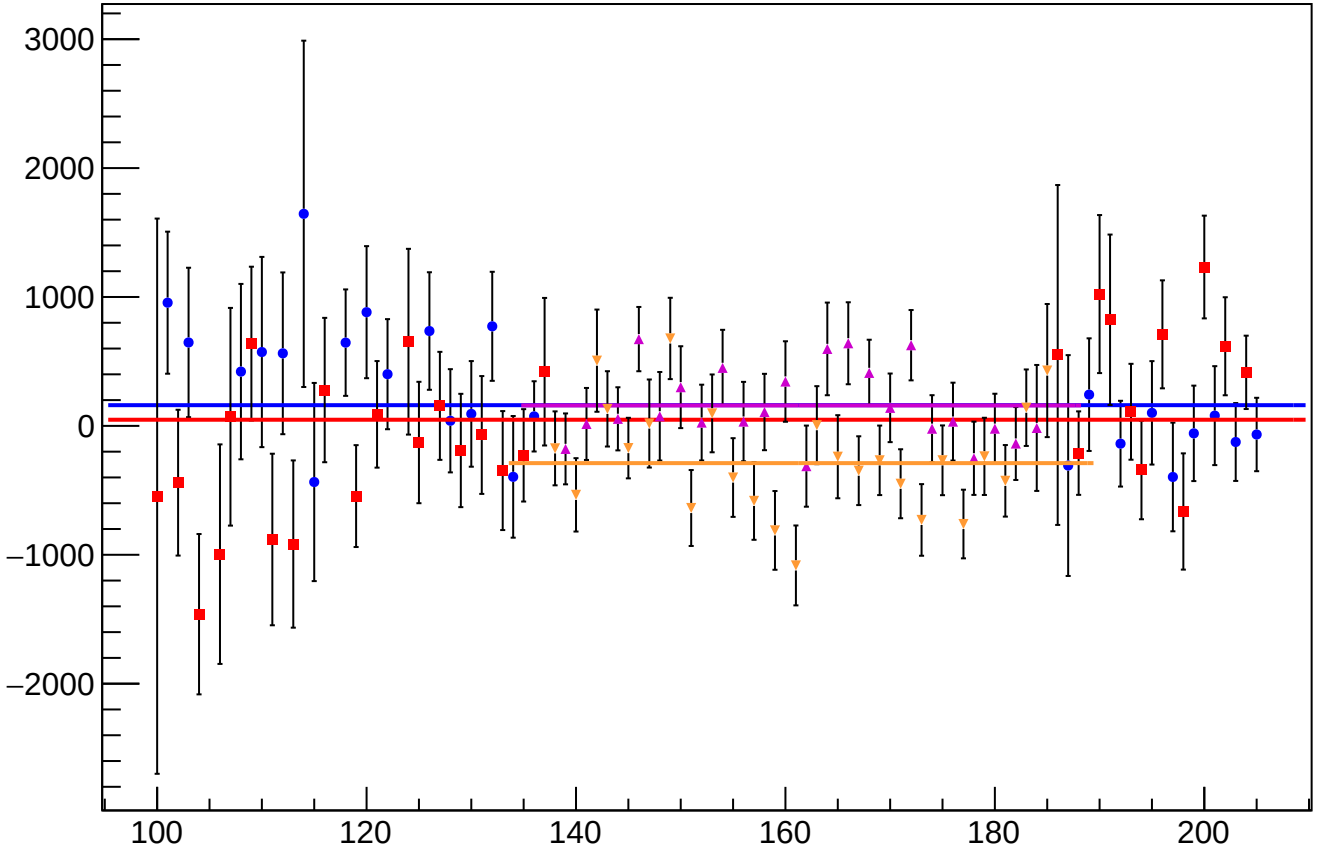
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12187702.9/49

All: 0.000+/-0.000 χ^2/NDF: 28778622.4/102

- sign 0.000+/-0.000 χ^2/NDF: 16459406.5/52

reg_asym_sam2_mean vs Slug



Right In: 160.682+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 47.721+/-86.216 χ^2/NDF: 42.3/29

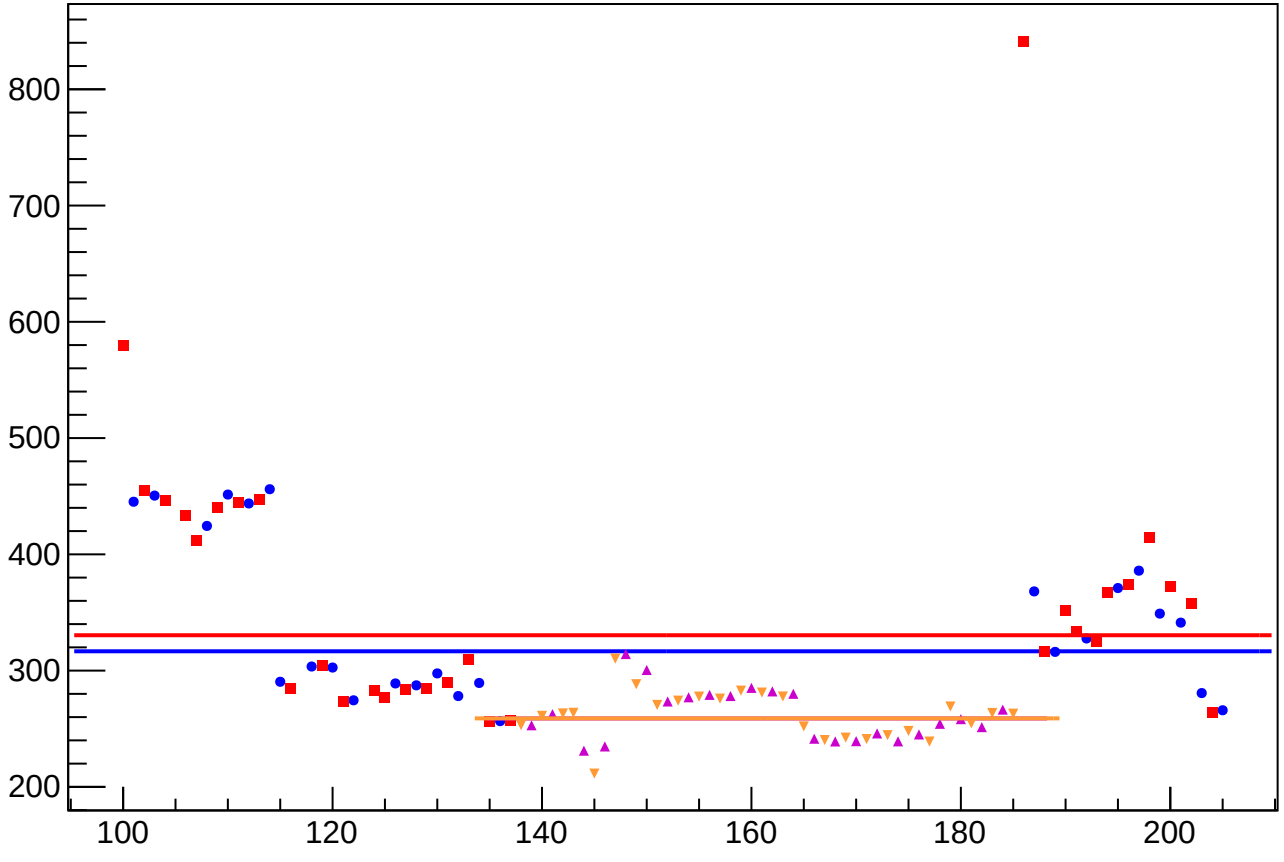
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -144.619+/-48.647 χ^2/NDF: 80.3/49

All: -14.069+/-34.743 χ^2/NDF: 160.9/102

- sign 121.848+/-49.637 χ^2/NDF: 65.9/52

reg_asym_sam2_rms vs Slug



Right In: 316.624+/-0.061 χ^2/NDF: 820022.2/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.426+/-0.061 χ^2/NDF: 1270428.3/29

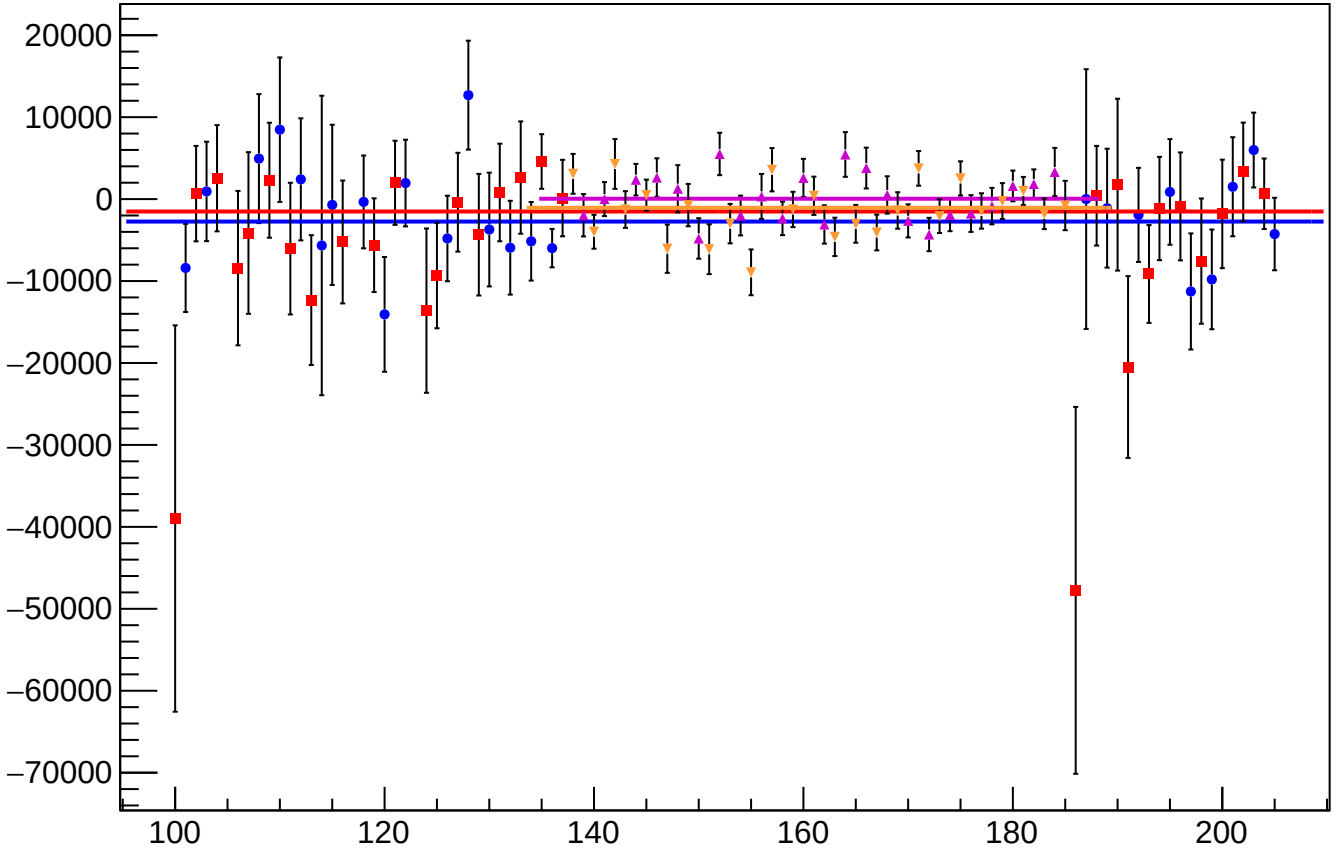
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.435+/-0.034 χ^2/NDF: 1682240.9/49

All: 279.951+/-0.025 χ^2/NDF: 4130253.3/102

- sign 282.570+/-0.035 χ^2/NDF: 2437095.4/52

asym_sam2_reg_correction_mean vs Slug



Right In: -2740.796+/-1120.590 χ^2/NDF: 23.7/24

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1514.107+/-1175.122 χ^2/NDF: 25.0/29

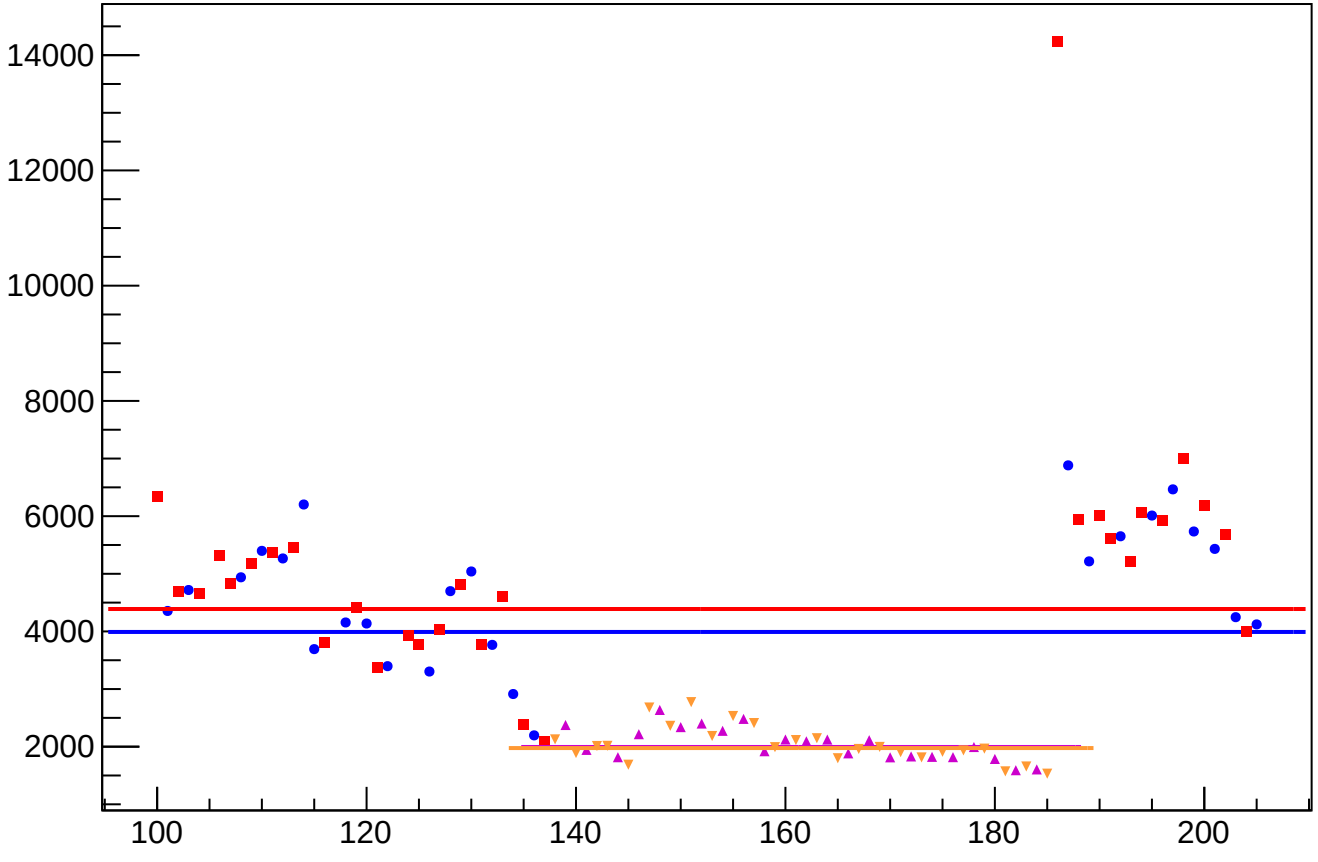
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1296.912+/-421.297 χ^2/NDF: 67.1/49

All: -754.543+/-303.285 χ^2/NDF: 131.3/102

- sign -171.122+/-436.951 χ^2/NDF: 60.7/52

asym_sam2_reg_correction_rms vs Slug



Right In: 3990.900+/-0.792 χ^2/NDF: 2632161.8/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4389.113+/-0.831 χ^2/NDF: 2866972.9/29

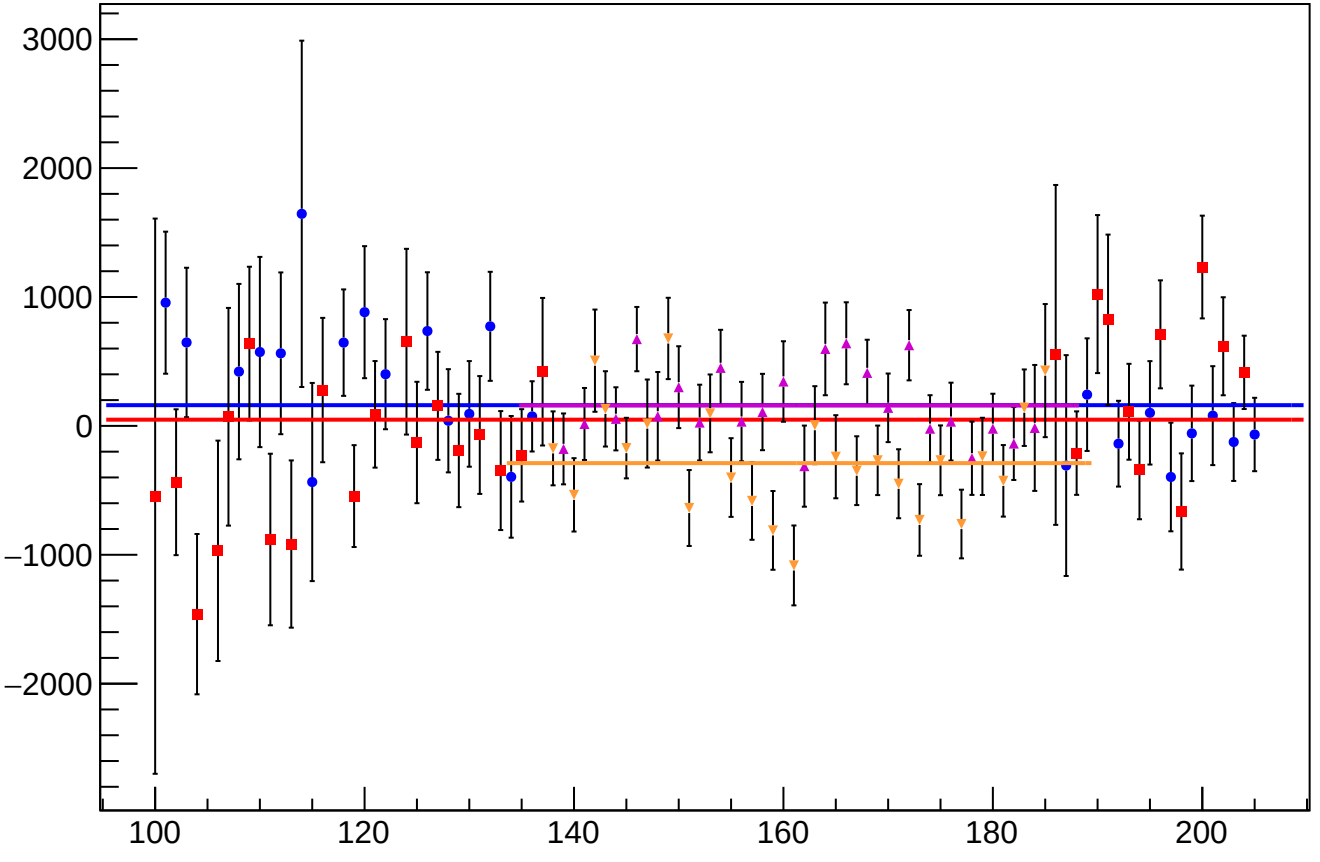
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2260.770+/-0.298 χ^2/NDF: 8947828.0/49

All: 2292.102+/-0.214 χ^2/NDF: 19592870.4/1

- sign 2325.805+/-0.309 χ^2/NDF: 10622082.0/52

cor_asym_sam2_mean vs Slug



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 48.164+/-86.220 χ^2/NDF: 42.2/29

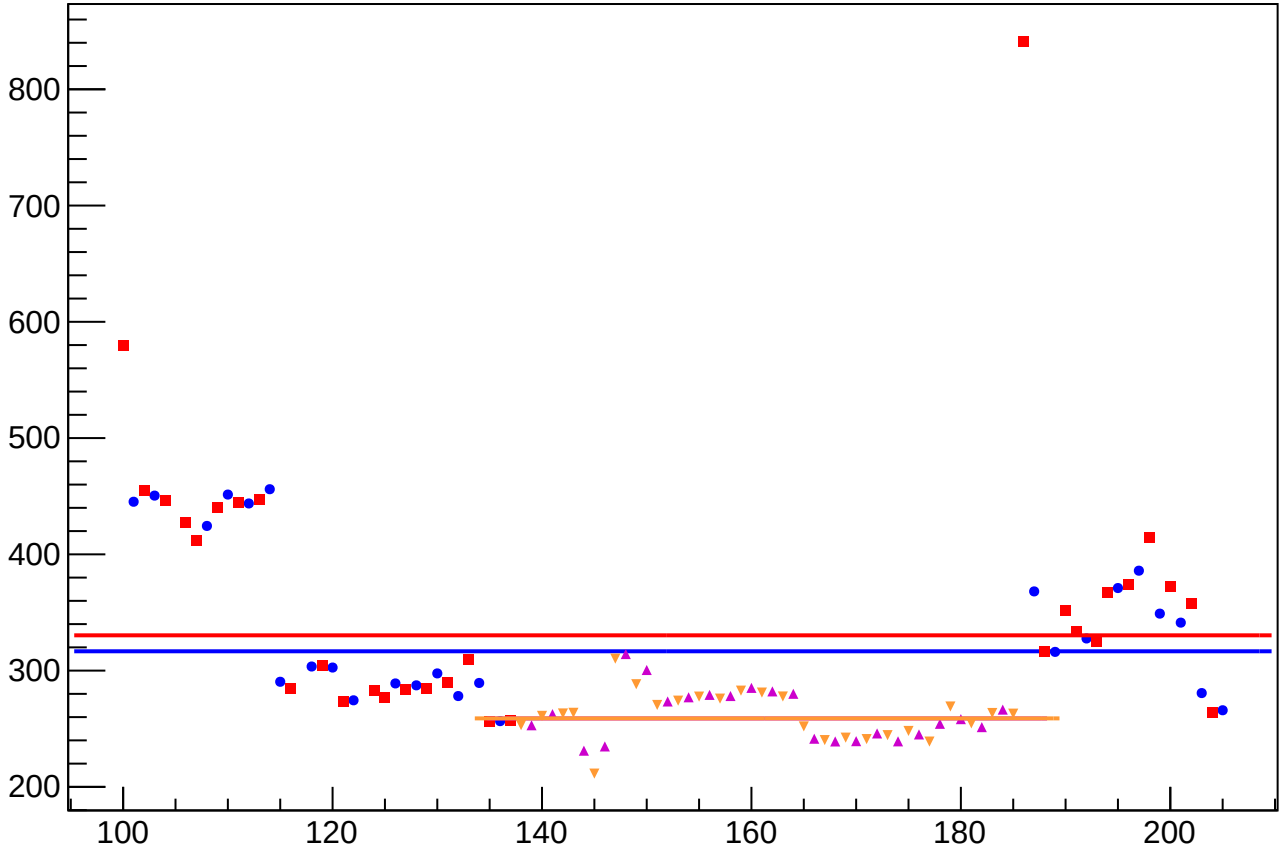
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -144.628+/-48.647 χ^2/NDF: 80.3/49

All: -13.999+/-34.744 χ^2/NDF: 160.8/102

- sign 122.005+/-49.638 χ^2/NDF: 65.8/52

cor_asym_sam2_rms vs Slug



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

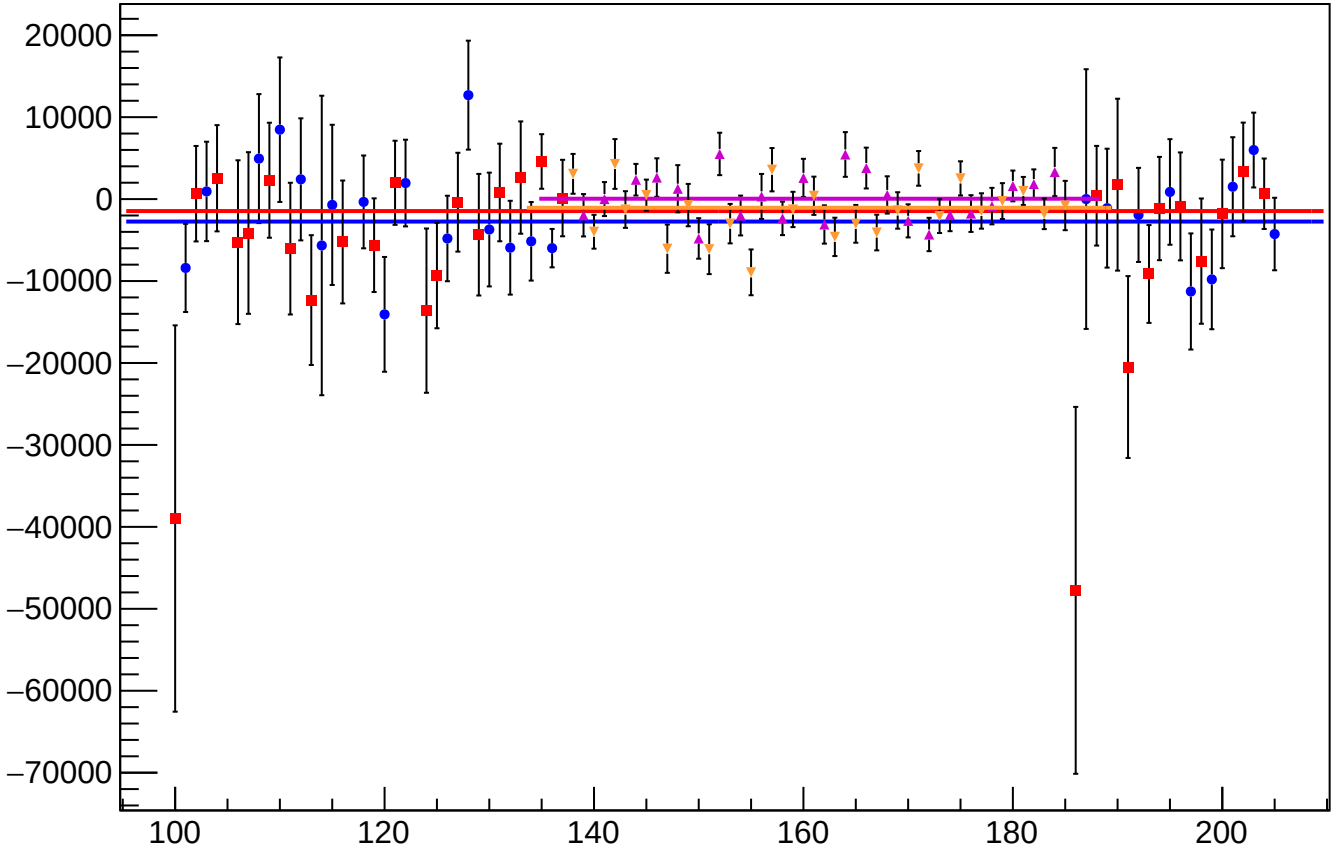
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.435+/-0.034 χ^2/NDF: 1682242.5/49

All: 279.938+/-0.025 χ^2/NDF: 4124416.8/102

- sign 282.544+/-0.035 χ^2/NDF: 2431369.7/52

asym_sam2_cor_correction_mean vs Slug



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1458.621+/-1176.167 χ^2/NDF: 24.6/29

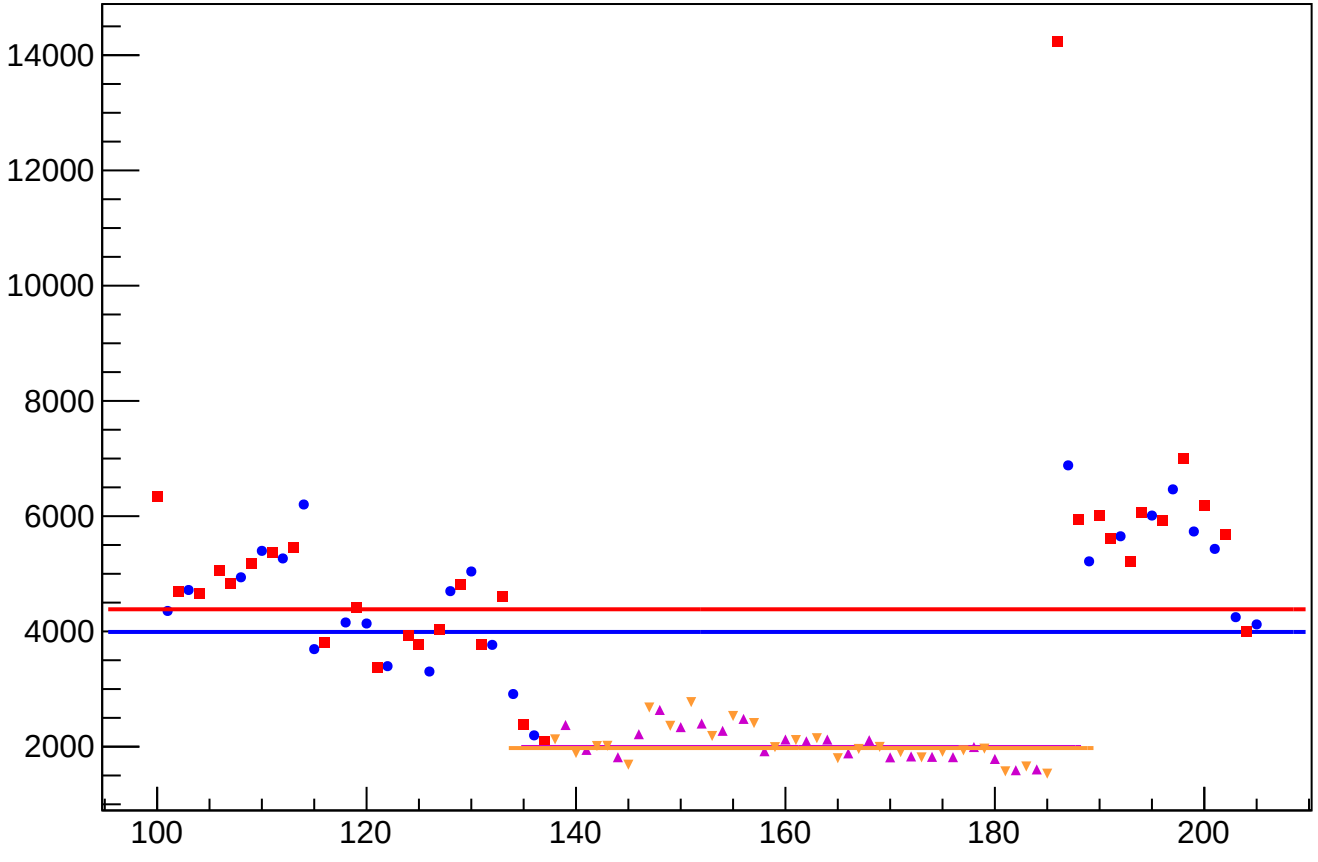
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1296.908+/-421.298 χ^2/NDF: 67.1/49

All: -750.763+/-303.303 χ^2/NDF: 130.8/102

- sign -163.136+/-437.004 χ^2/NDF: 60.2/52

asym_sam2_cor_correction_rms vs Slug



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

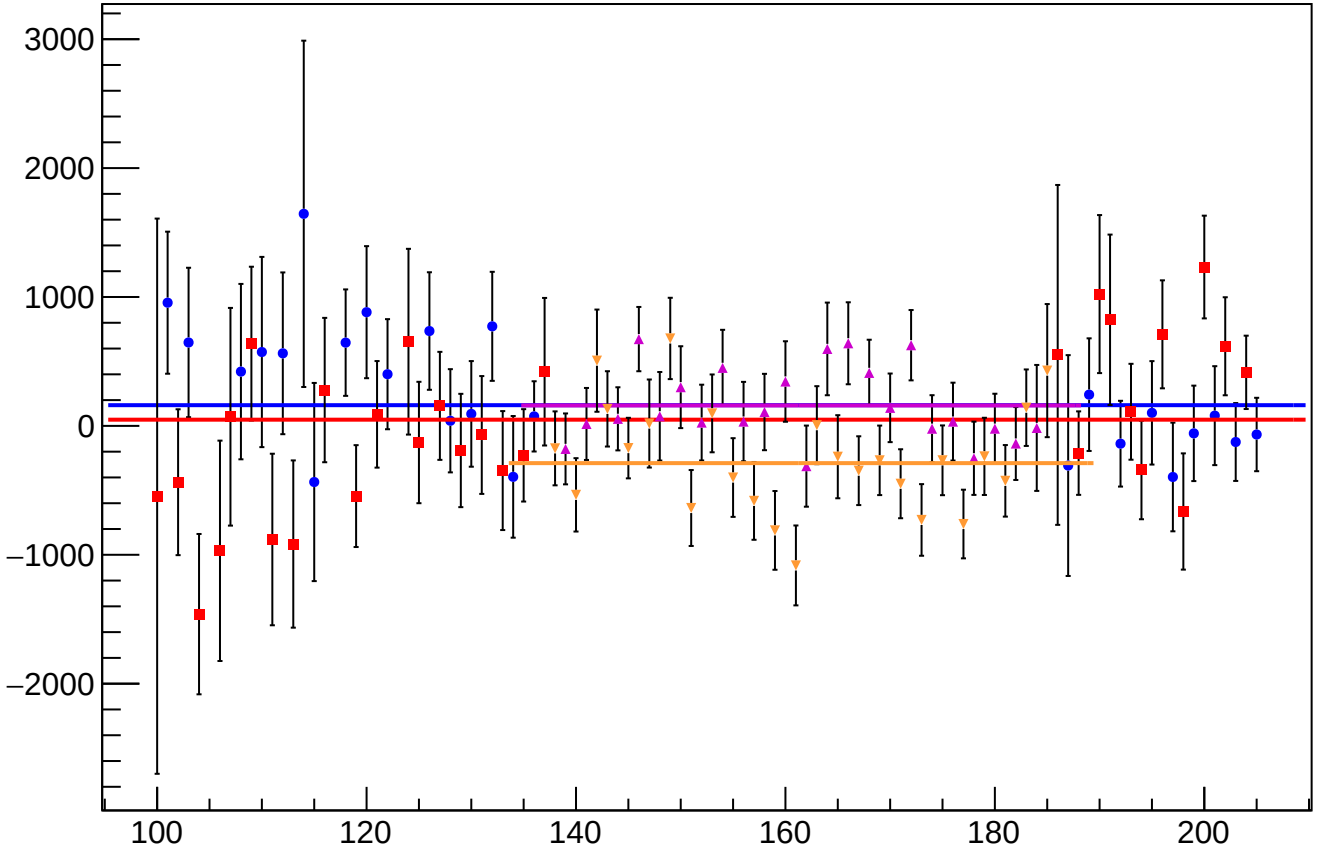
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2260.770+/-0.298 χ^2/NDF: 8947849.2/49

All: 2291.527+/-0.214 χ^2/NDF: 19541839.9/1

- sign 2324.620+/-0.309 χ^2/NDF: 10571862.5/52

eigen_cor_asym_sam2_mean vs Slug



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 48.164+/-86.220 χ^2/NDF: 42.2/29

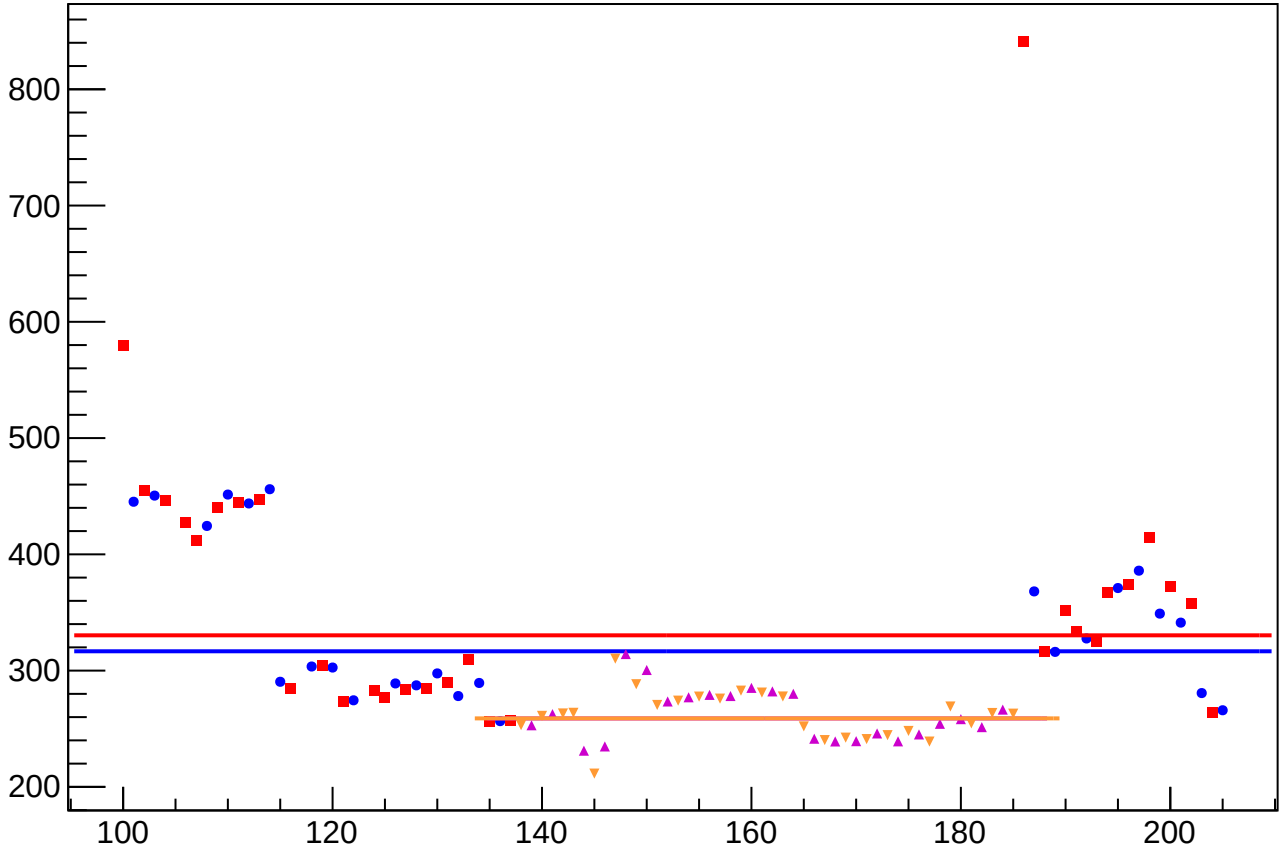
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -144.628+/-48.647 χ^2/NDF: 80.3/49

All: -13.999+/-34.744 χ^2/NDF: 160.8/102

- sign 122.005+/-49.638 χ^2/NDF: 65.8/52

eigen_cor_asym_sam2_rms vs Slug



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

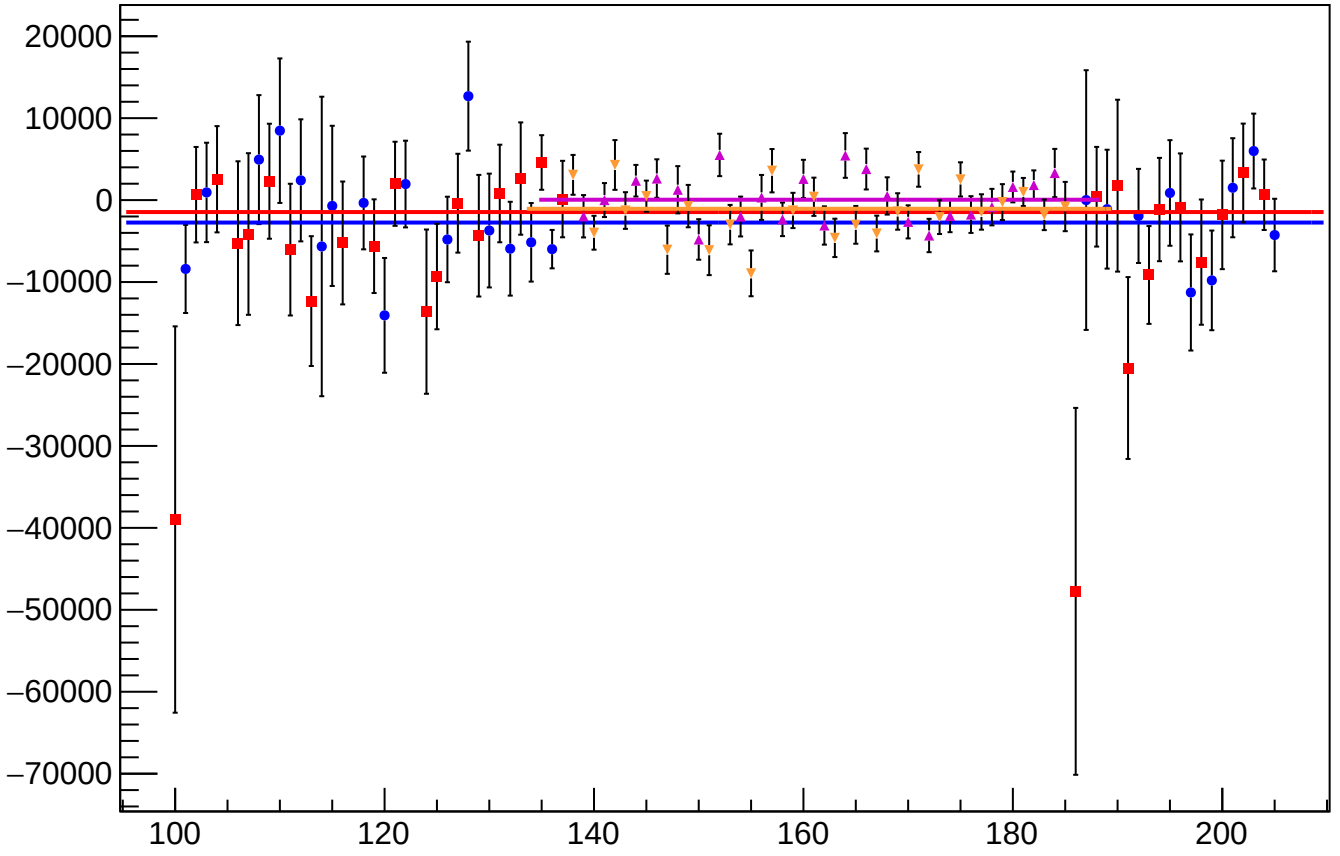
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.435+/-0.034 χ^2/NDF: 1682242.5/49

All: 279.938+/-0.025 χ^2/NDF: 4124416.8/102

- sign 282.544+/-0.035 χ^2/NDF: 2431369.7/52

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1458.621+/-1176.167 χ^2/NDF: 24.6/29

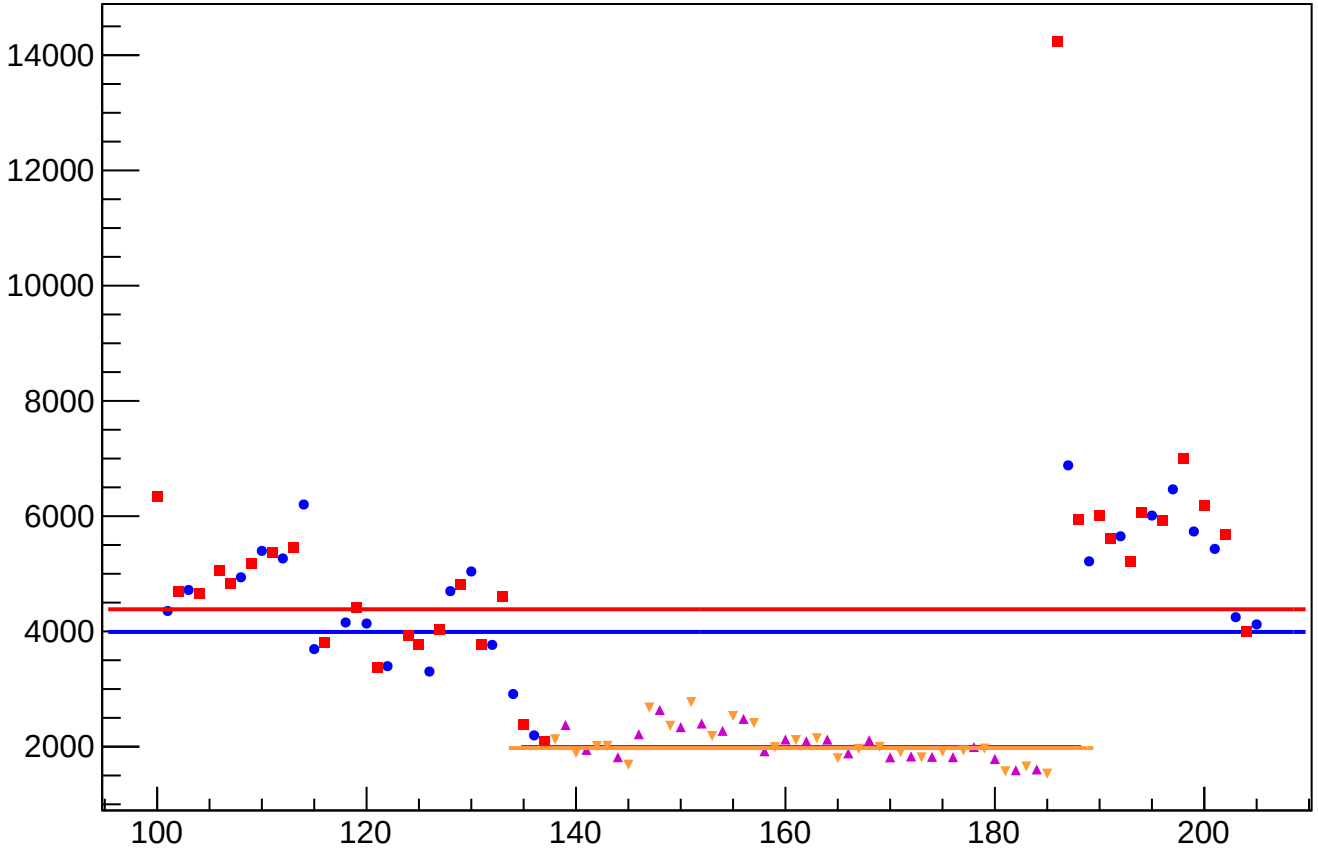
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1296.908+/-421.298 χ^2/NDF: 67.1/49

All: -750.763+/-303.303 χ^2/NDF: 130.8/102

- sign -163.136+/-437.004 χ^2/NDF: 60.2/52

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

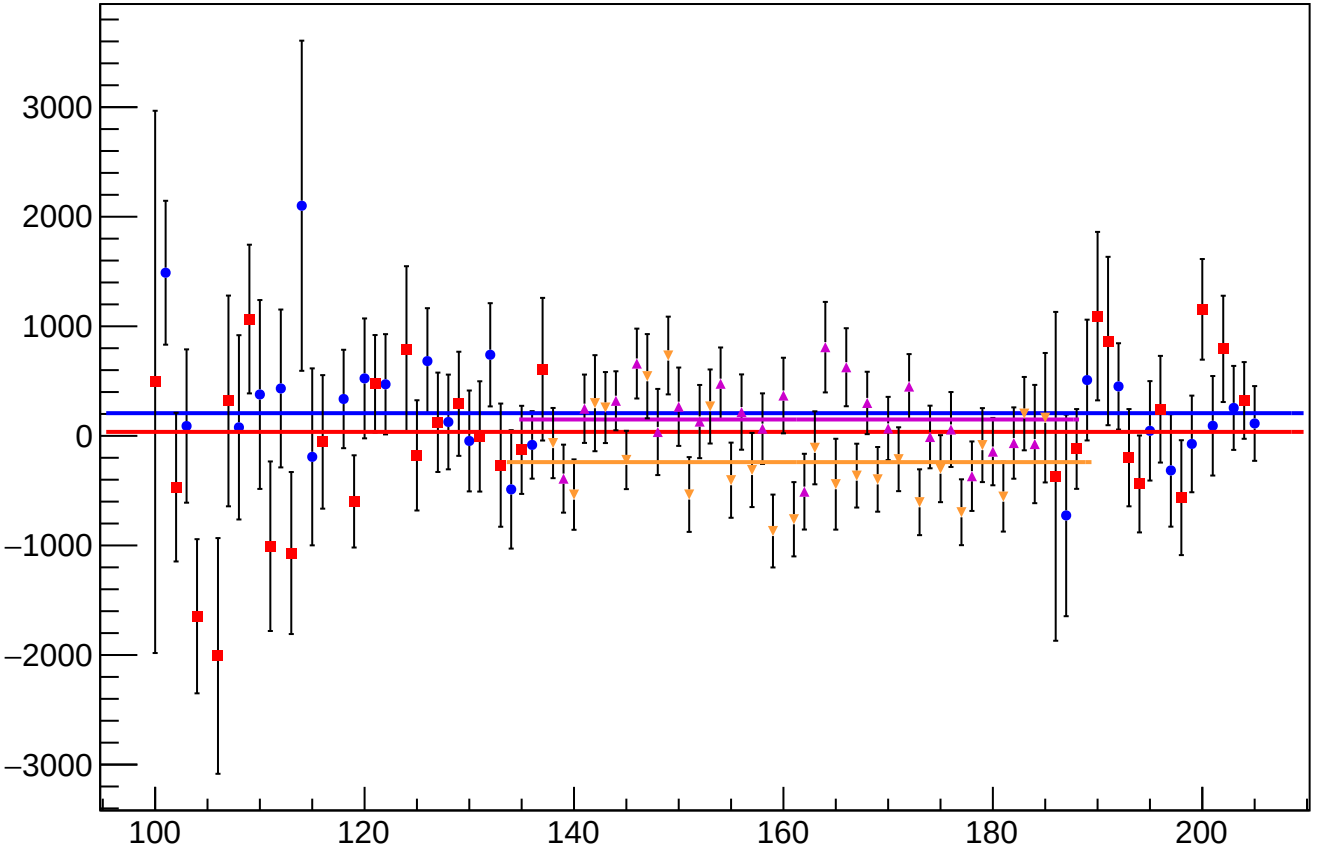
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2260.770+/-0.298 χ^2/NDF: 8947849.2/49

All: 2291.527+/-0.214 χ^2/NDF: 19541839.9/1

- sign 2324.620+/-0.309 χ^2/NDF: 10571862.5/52

dit_asym_sam2_mean vs Slug



Right In: 207.171+/-99.066 χ^2/NDF: 15.1/24

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 36.288+/-98.729 χ^2/NDF: 37.7/29

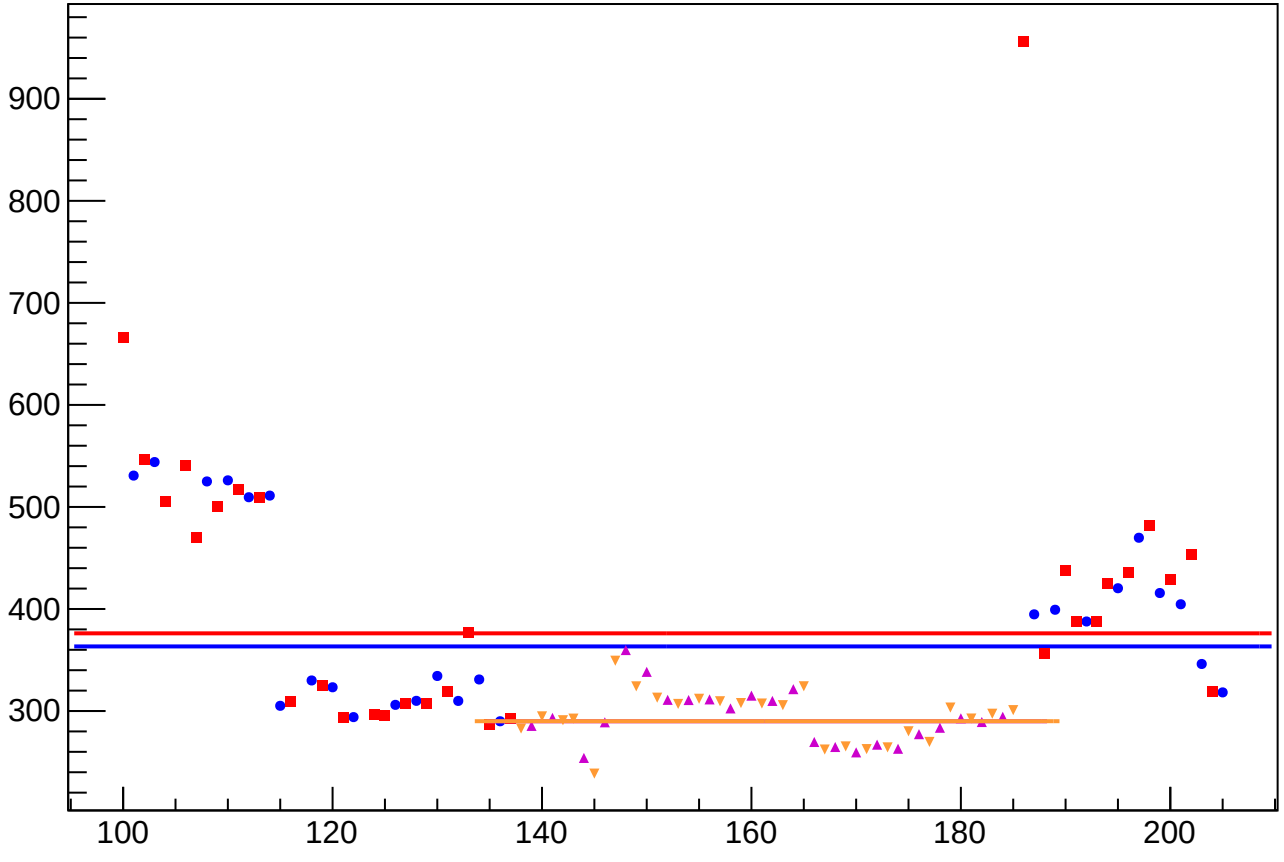
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -101.741+/-55.023 χ^2/NDF: 63.2/49

All: 3.550+/-39.279 χ^2/NDF: 131.0/102

- sign 112.969+/-56.091 χ^2/NDF: 60.3/52

dit_asym_sam2_rms vs Slug



Right In: 363.311+/-0.070 χ^2/NDF: 1021002.0/24

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510889.9/29

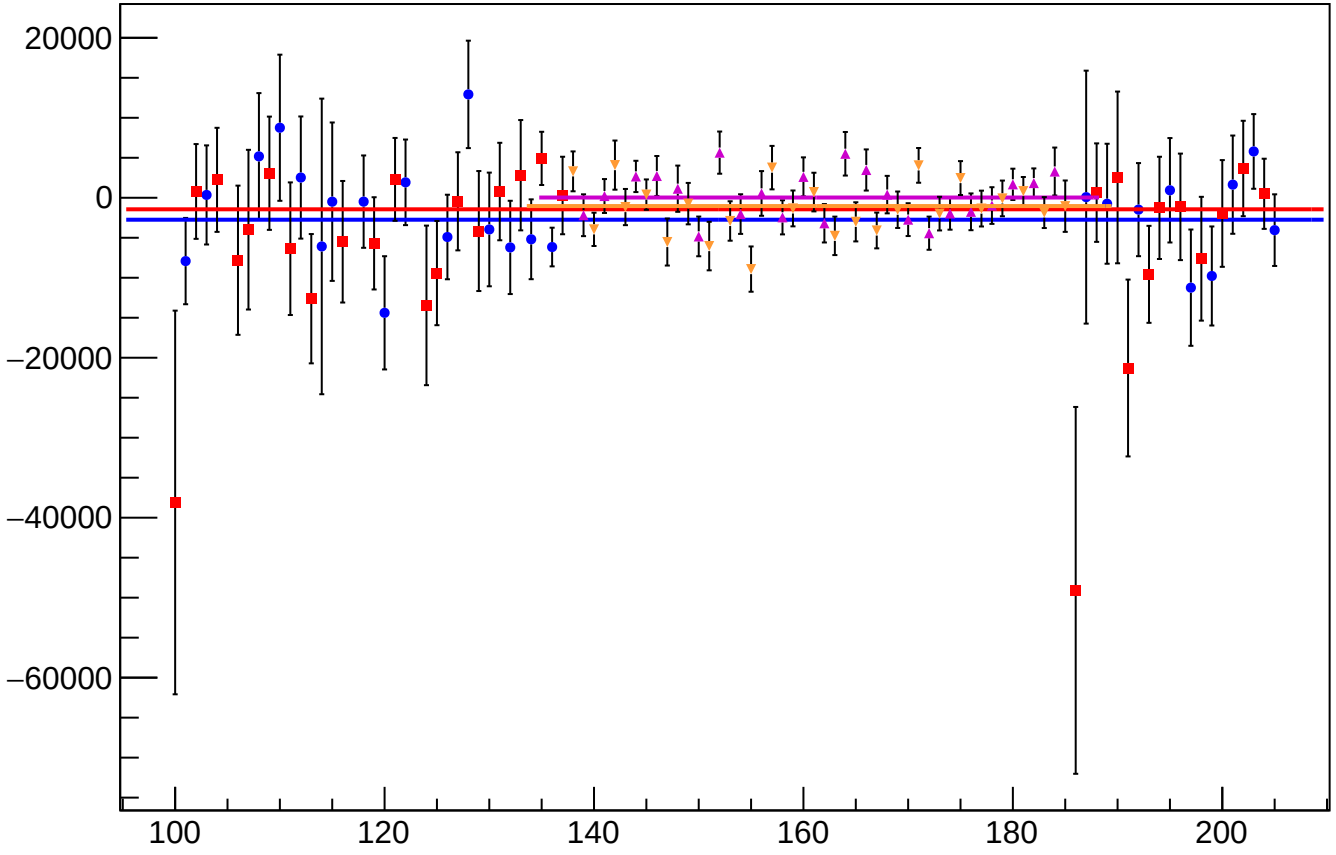
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 312.631+/-0.039 χ^2/NDF: 2058564.8/49

All: 315.147+/-0.028 χ^2/NDF: 4879936.0/102

- sign 317.761+/-0.040 χ^2/NDF: 2812845.3/52

asym_sam2_dit_correction_mean vs Slug



Right In: -2743.578+/-1144.105 χ^2/NDF: 23.2/24

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1441.928+/-1189.055 χ^2/NDF: 25.9/29

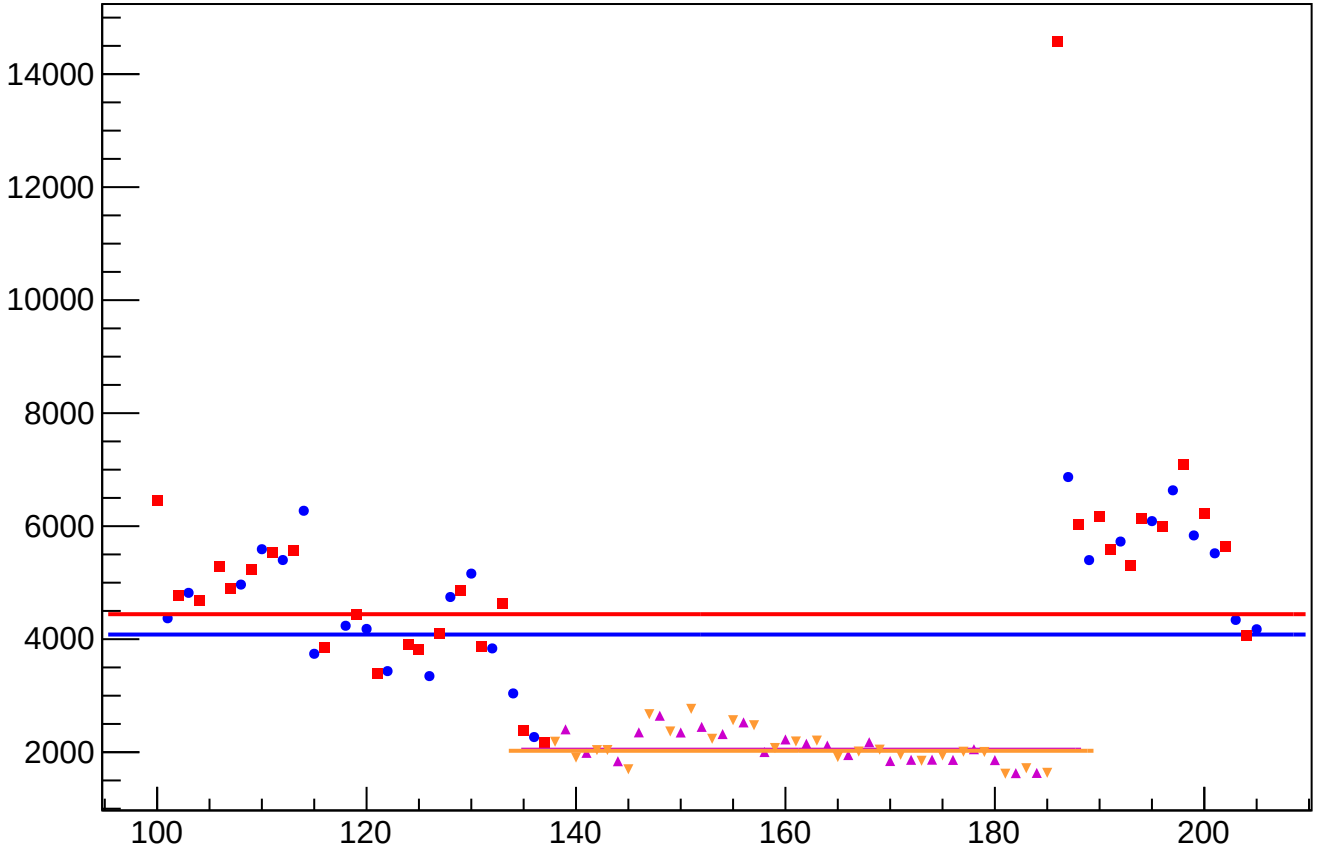
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1278.877+/-431.037 χ^2/NDF: 65.4/49

All: -748.154+/-310.252 χ^2/NDF: 129.9/102

- sign -177.602+/-446.918 χ^2/NDF: 61.4/52

asym_sam2_dit_correction_rms vs Slug



Right In: 4082.293+/-0.809 χ^2/NDF: 2552800.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4442.287+/-0.841 χ^2/NDF: 2854674.2/29

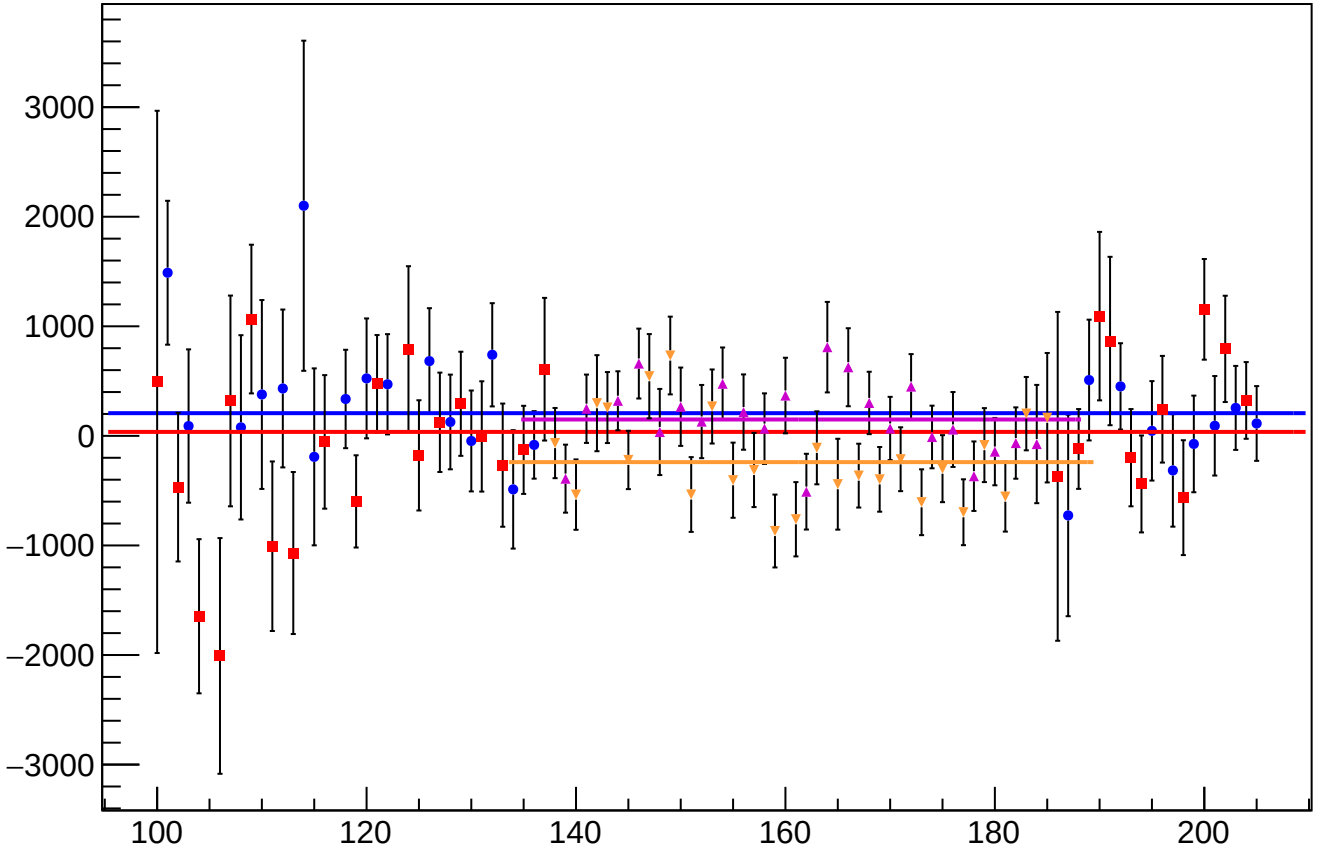
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2317.080+/-0.305 χ^2/NDF: 8802094.5/49

All: 2348.972+/-0.219 χ^2/NDF: 19248269.7/1

- sign 2383.256+/-0.316 χ^2/NDF: 10423456.9/52

eigen_dit_asym_sam2_mean vs Slug



Right In: 207.176+/-99.065 χ^2/NDF: 15.1/24

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 36.286+/-98.729 χ^2/NDF: 37.7/29

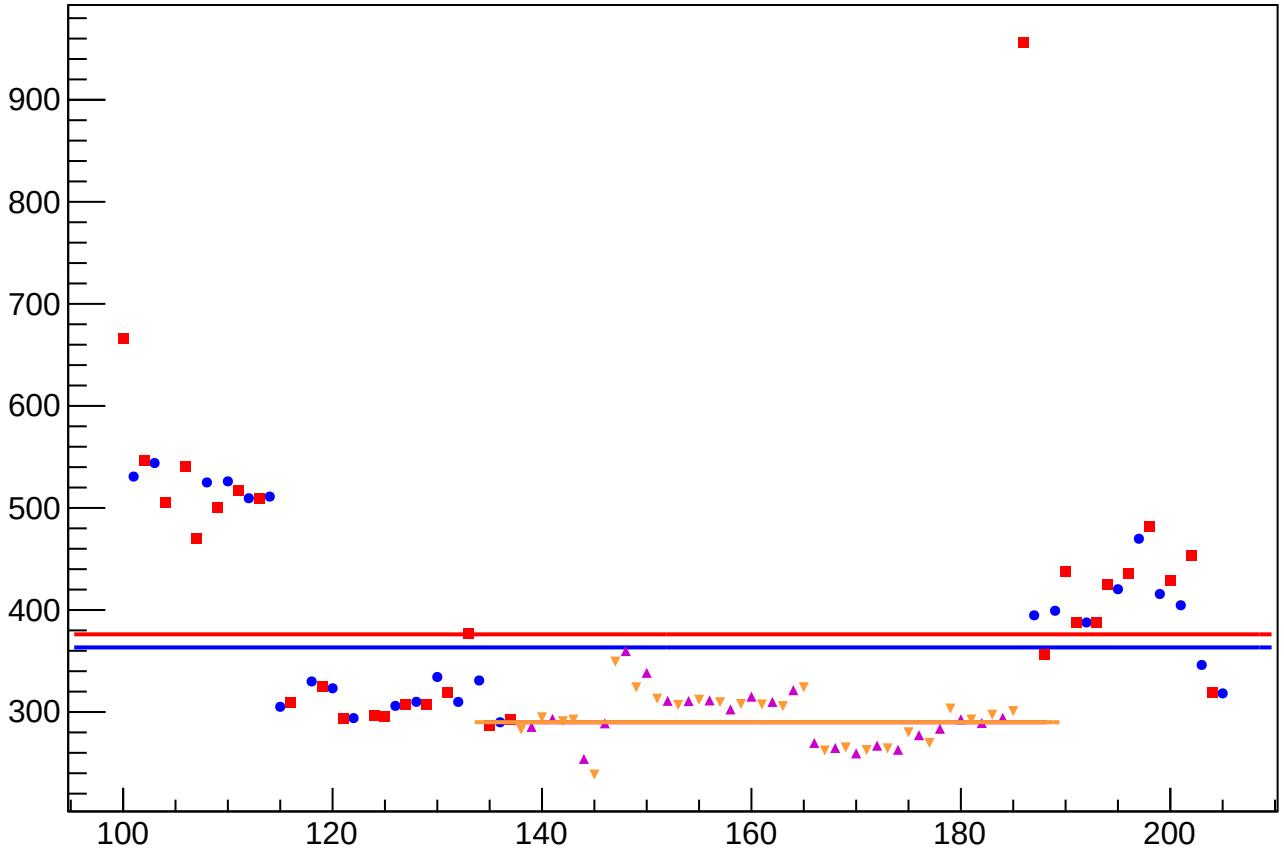
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -101.742+/-55.023 χ^2/NDF: 63.2/49

All: 3.550+/-39.279 χ^2/NDF: 131.0/102

- sign 112.969+/-56.091 χ^2/NDF: 60.3/52

eigen_dit_asym_sam2_rms vs Slug



Right In: 363.310+/-0.070 χ^2/NDF: 1020999.6/24

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510883.0/29

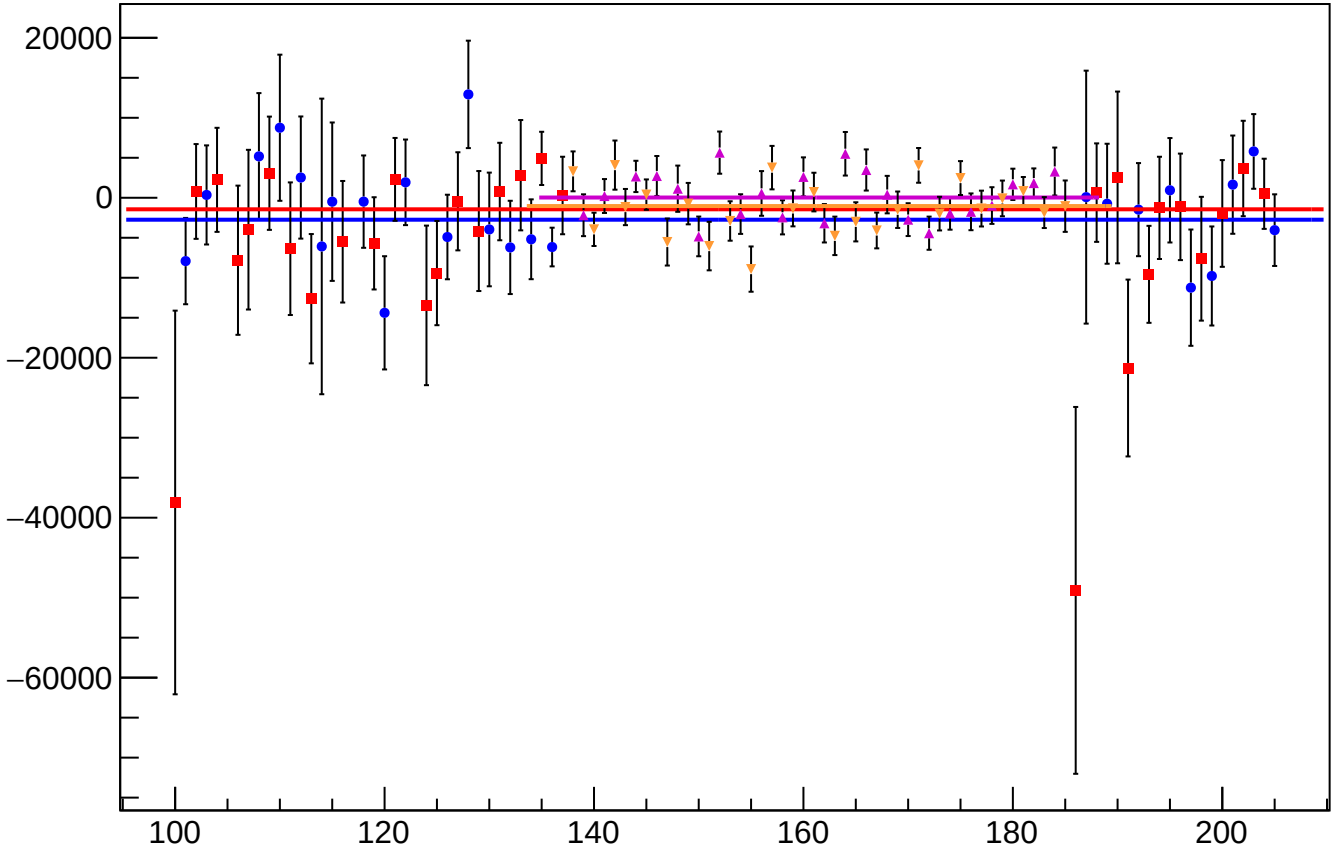
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.631+/-0.039 χ^2/NDF: 2058547.5/49

All: 315.147+/-0.028 χ^2/NDF: 4879903.6/102

- sign 317.761+/-0.040 χ^2/NDF: 2812830.0/52

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -2743.573+/-1144.104 χ^2/NDF: 23.2/24

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1441.932+/-1189.054 χ^2/NDF: 25.9/29

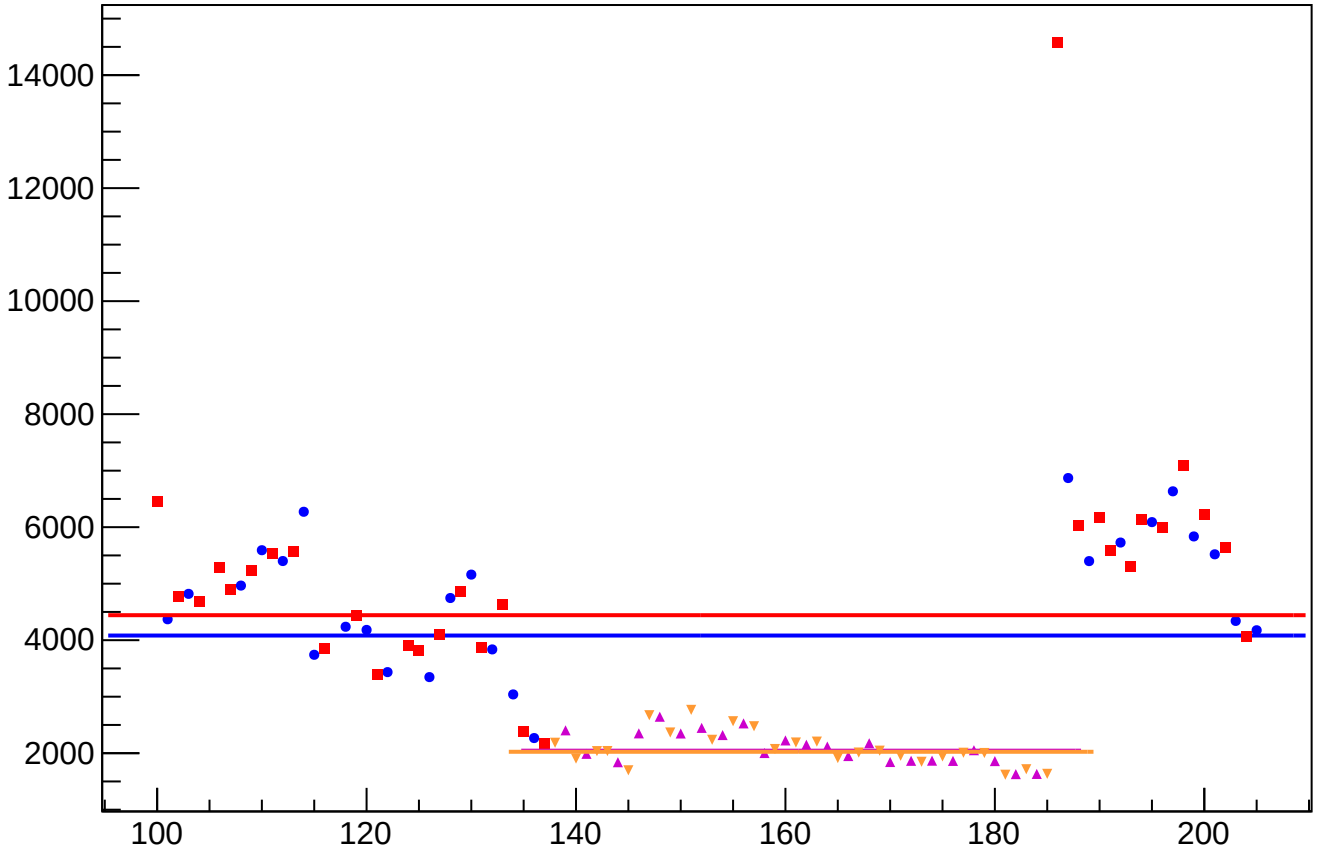
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1278.877+/-431.037 χ^2/NDF: 65.4/49

All: -748.154+/-310.252 χ^2/NDF: 129.9/102

- sign -177.604+/-446.918 χ^2/NDF: 61.4/52

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4082.291+/-0.809 χ^2/NDF: 2552791.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4442.284+/-0.841 χ^2/NDF: 2854670.0/29

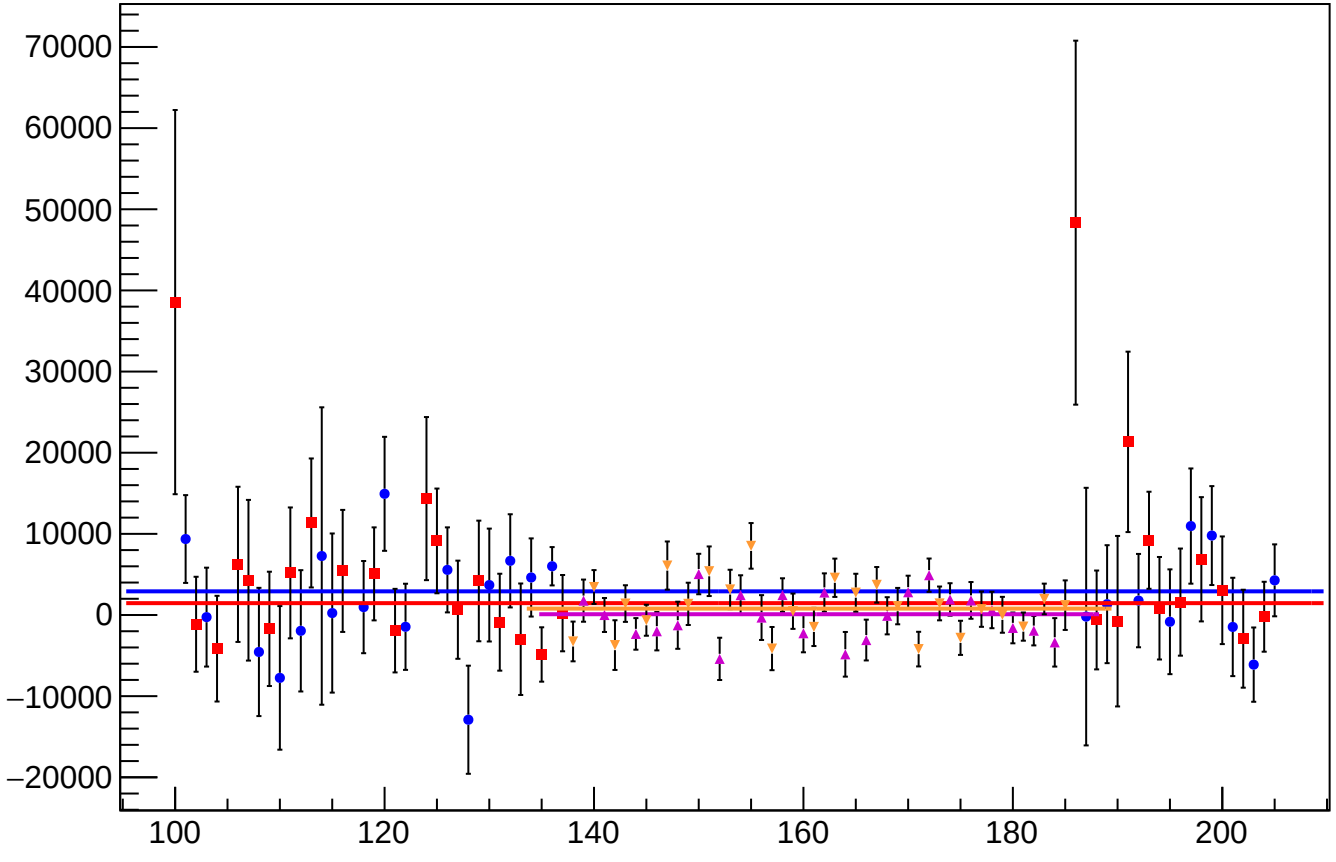
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2317.081+/-0.305 χ^2/NDF: 8802081.8/49

All: 2348.972+/-0.219 χ^2/NDF: 19248248.7/1

- sign 2383.256+/-0.316 χ^2/NDF: 10423449.0/52

asym_sam2_mean vs Slug



Right In: 2916.542+/-1125.020 χ^2/NDF: 24.0/24

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1462.128+/-1179.306 χ^2/NDF: 24.9/29

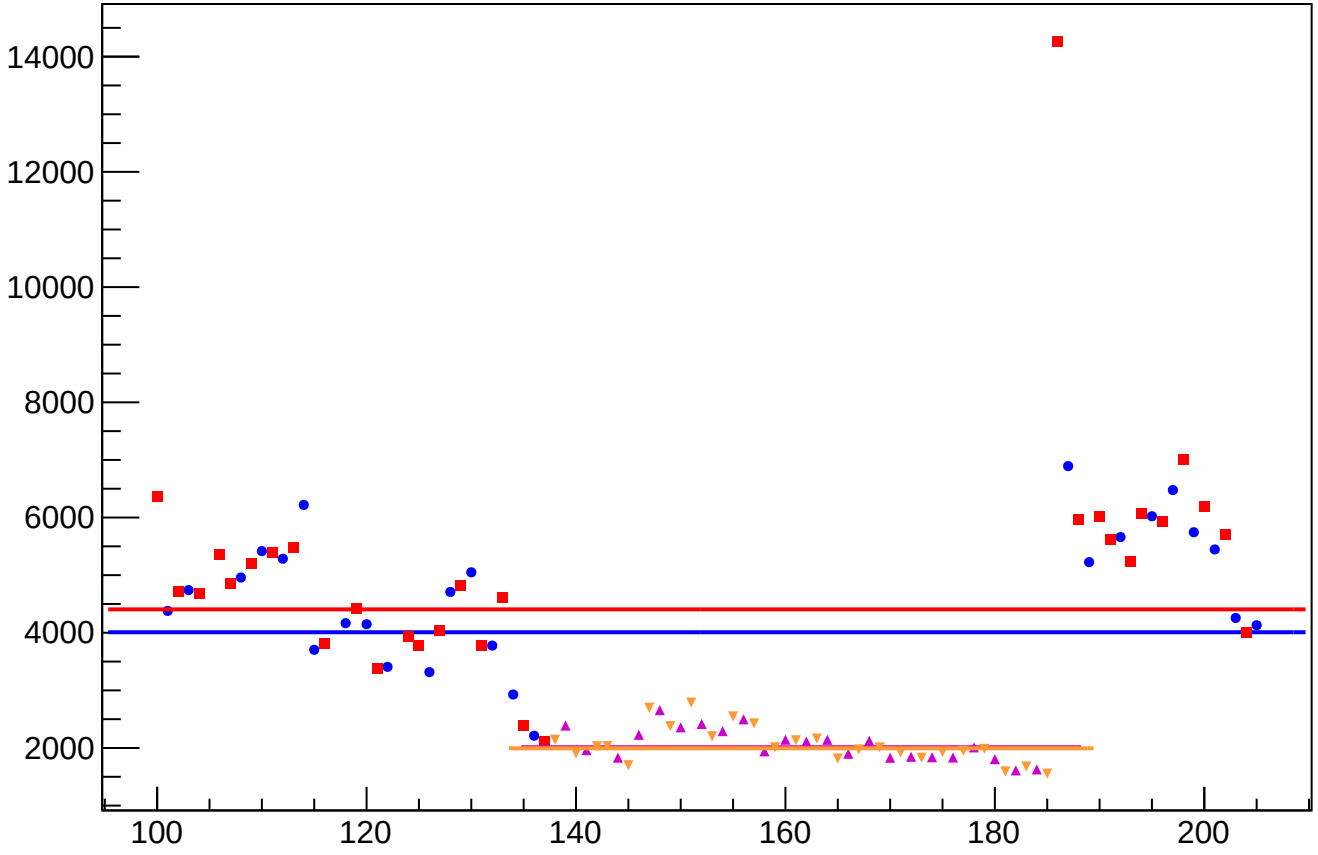
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

\+ sign 1091.715+/-424.772 χ^2/NDF: 68.4/49

All: 704.043+/-305.756 χ^2/NDF: 129.0/102

\- sign 287.200+/-440.463 χ^2/NDF: 58.9/52

asym_sam2_rms vs Slug



Right In: 4009.032+/-0.796 χ^2/NDF: 2603913.4/24

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

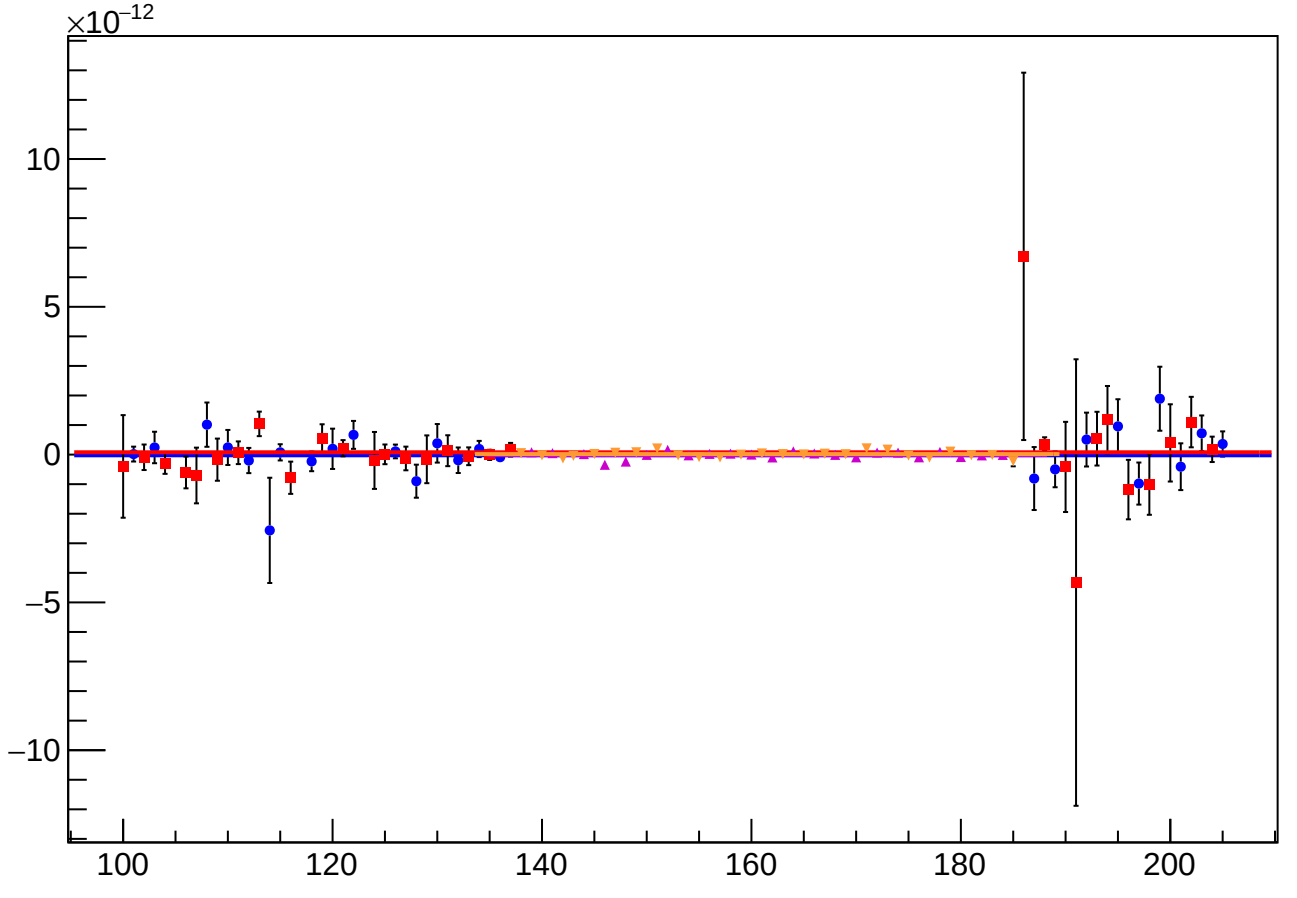
Right Out: 4405.985+/-0.834 χ^2/NDF: 2845650.1/29

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2281.469+/-0.300 χ^2/NDF: 8850534.1/49

All: 2312.830+/-0.216 χ^2/NDF: 19394020.4/1

- sign 2346.550+/-0.311 χ^2/NDF: 10520862.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

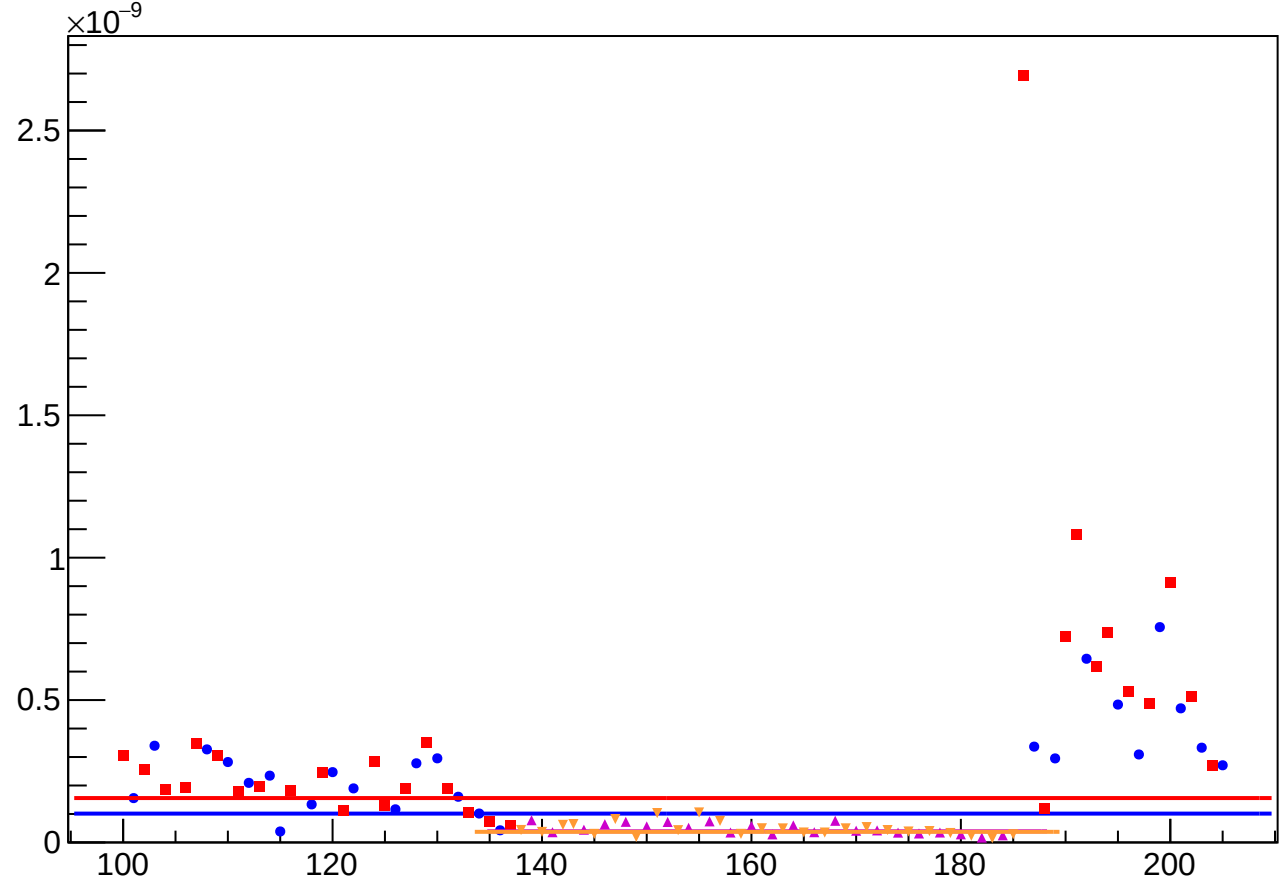
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/29

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/49

All: 0.000+/-0.000 χ^2/NDF: 99.5/102

- sign -0.000+/-0.000 χ^2/NDF: 54.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 6197360.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4892784.6/29

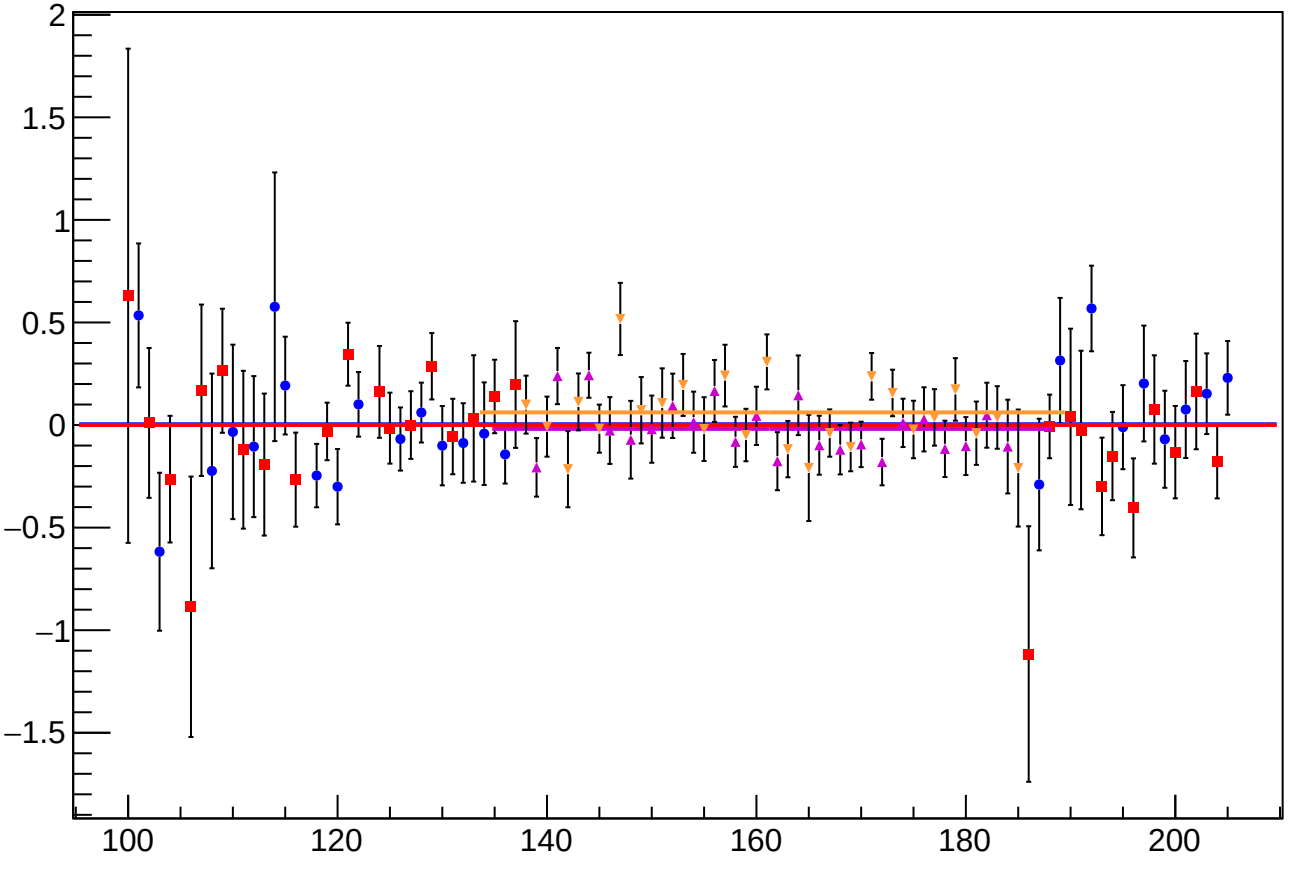
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10752342.5/49

All: 0.000+/-0.000 χ^2/NDF: 22011910.0/102

- sign 0.000+/-0.000 χ^2/NDF: 11226236.4/52

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

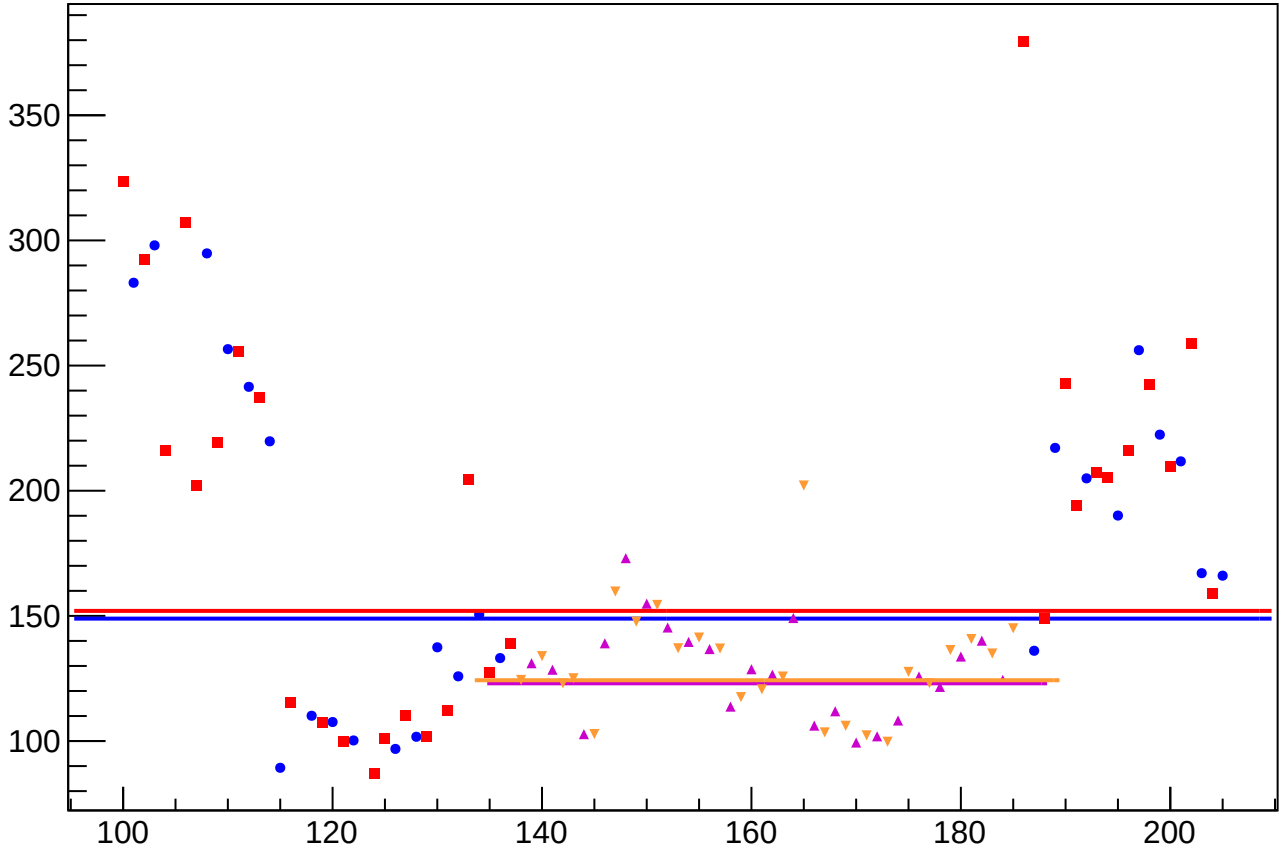
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.016+/-0.017 χ^2/NDF: 103.7/102

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

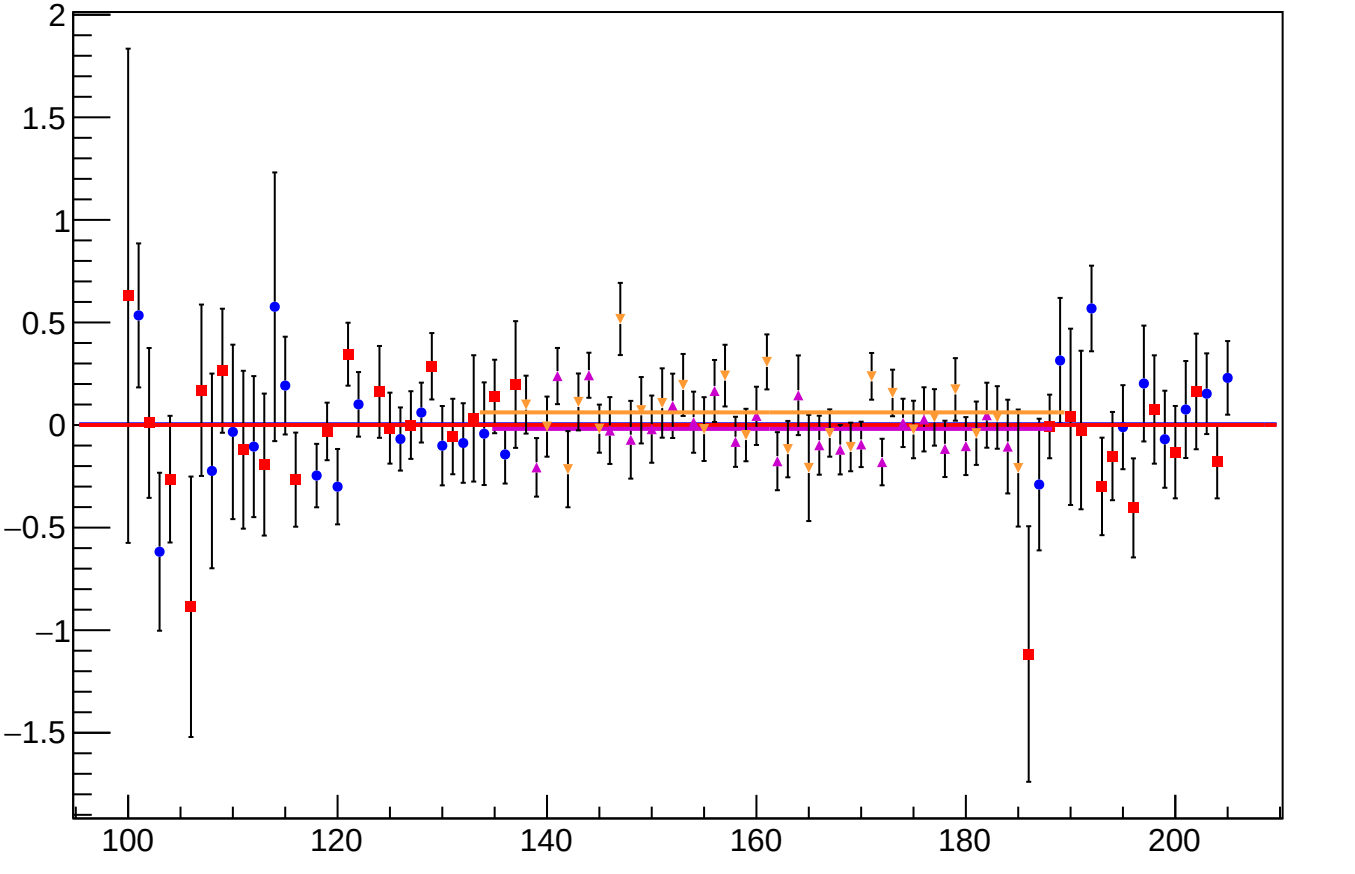
Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 131.919+/-0.017 χ^2/NDF: 4403553.9/49

All: 132.222+/-0.012 χ^2/NDF: 9442512.7/102

- sign 132.531+/-0.017 χ^2/NDF: 5038303.5/52



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

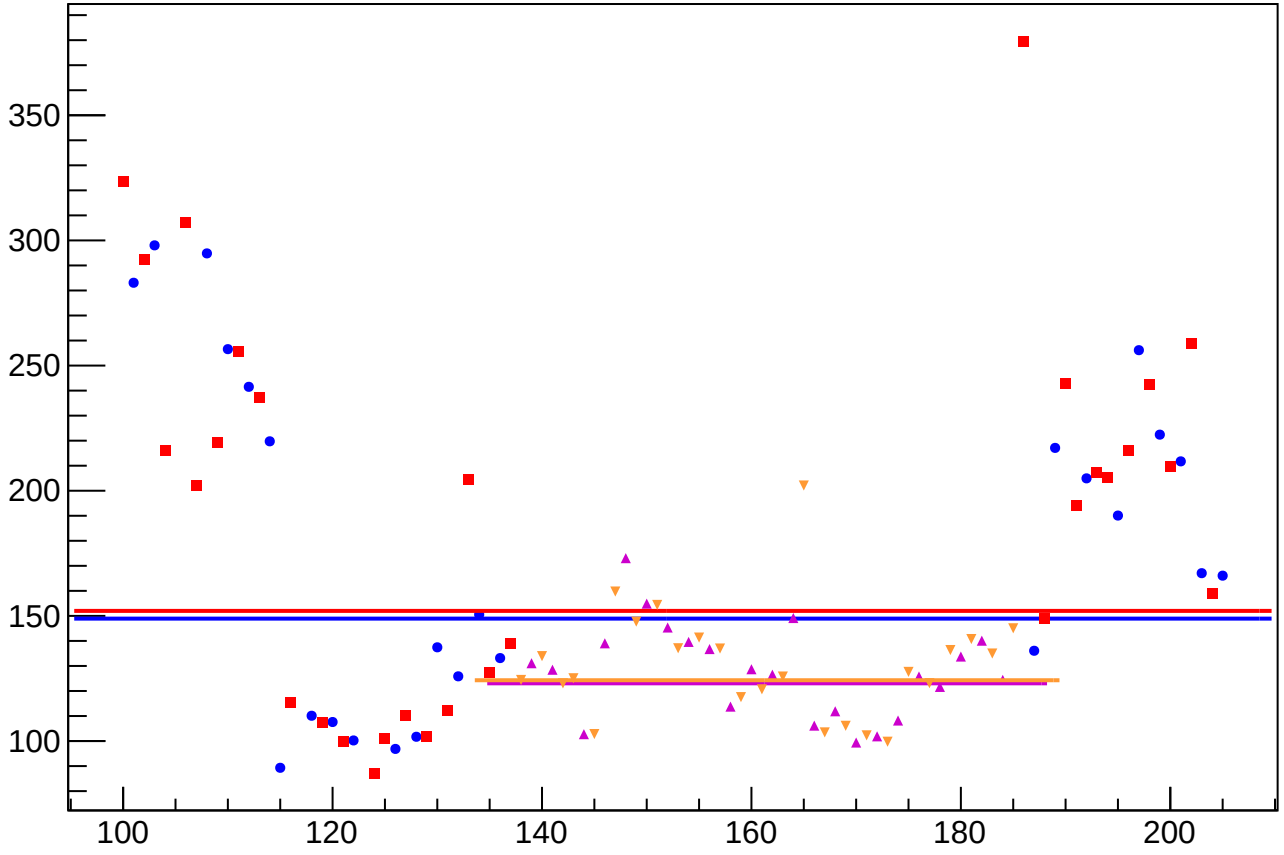
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.016+/-0.017 χ^2/NDF: 103.7/102

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

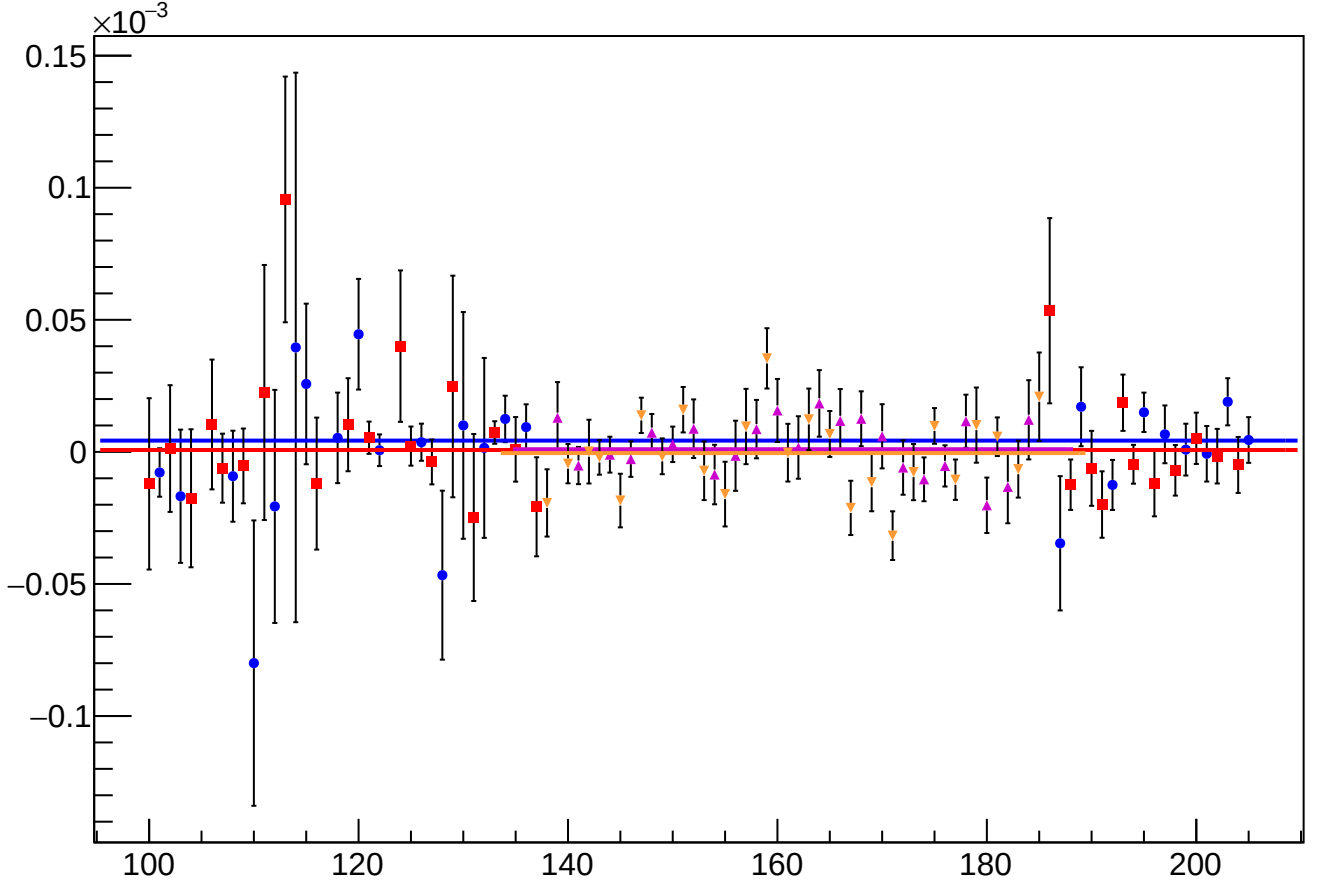
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 131.919+/-0.017 χ^2/NDF: 4403553.9/49

All: 132.222+/-0.012 χ^2/NDF: 9442512.7/102

- sign 132.531+/-0.017 χ^2/NDF: 5038303.5/52

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/29

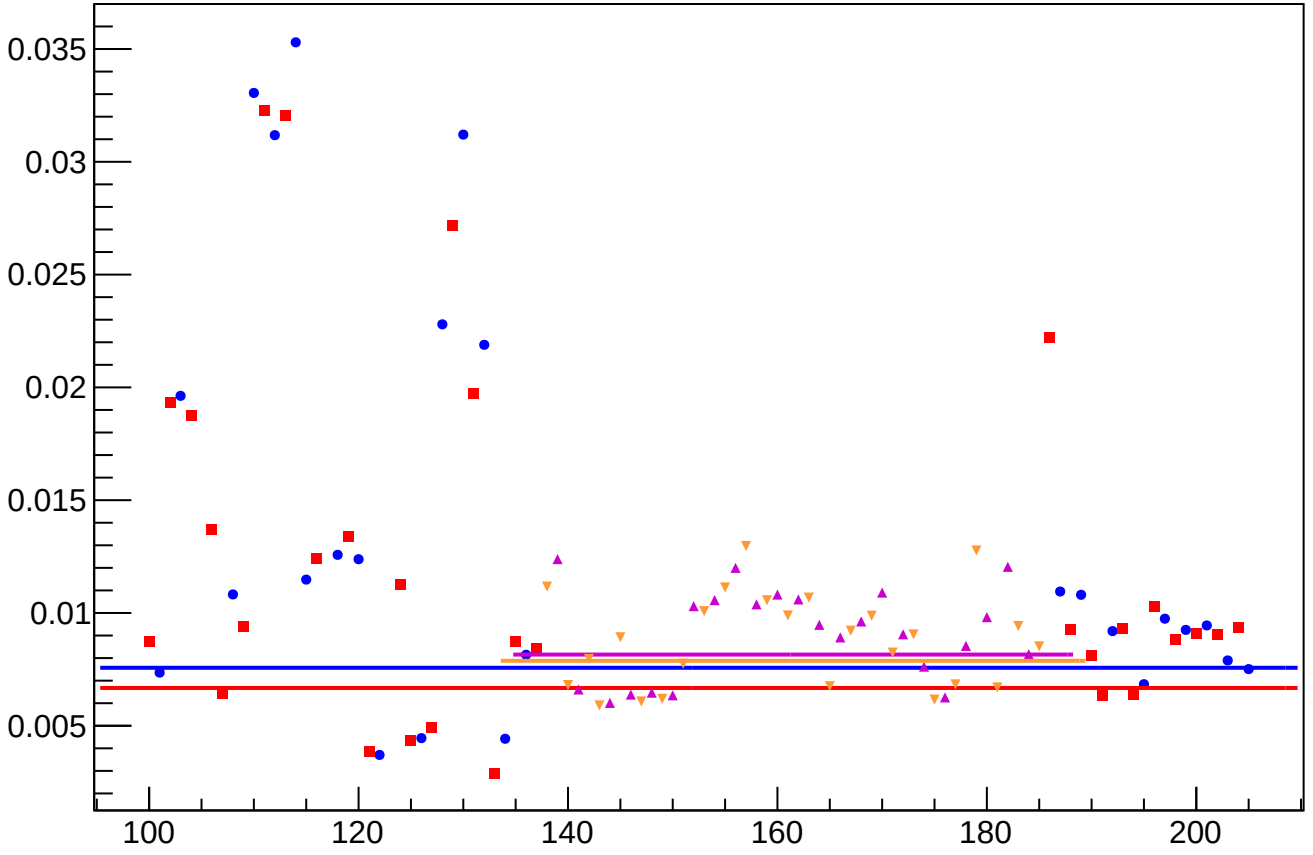
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.7/49

All: 0.000+/-0.000 χ^2/NDF: 127.1/102

- sign 0.000+/-0.000 χ^2/NDF: 46.3/52

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 5311366.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

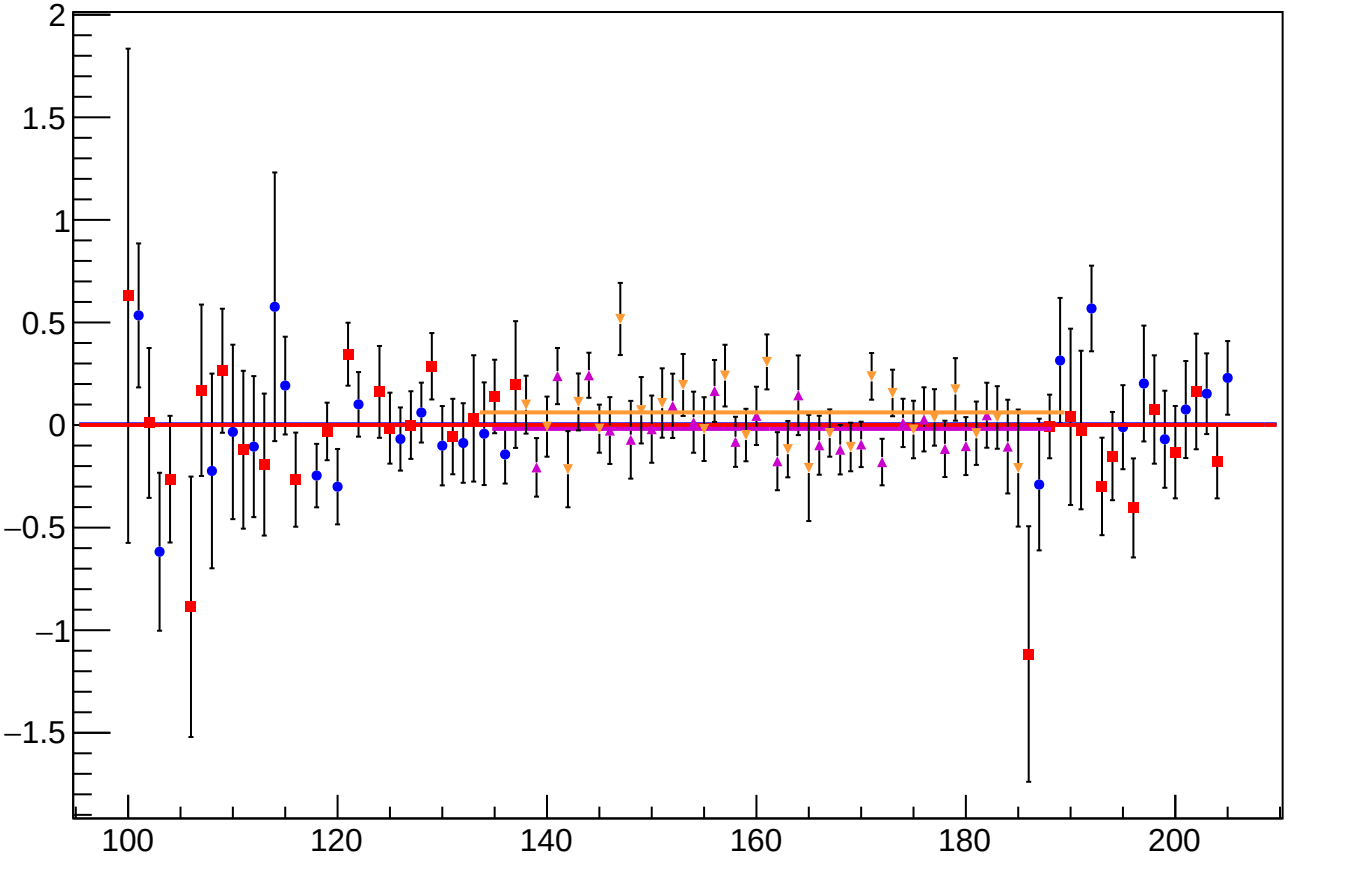
Right Out: 0.007+/-0.000 χ^2/NDF: 7339704.8/29

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7409994.6/49

All: 0.008+/-0.000 χ^2/NDF: 17367286.1/102

- sign 0.007+/-0.000 χ^2/NDF: 9904208.4/52



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

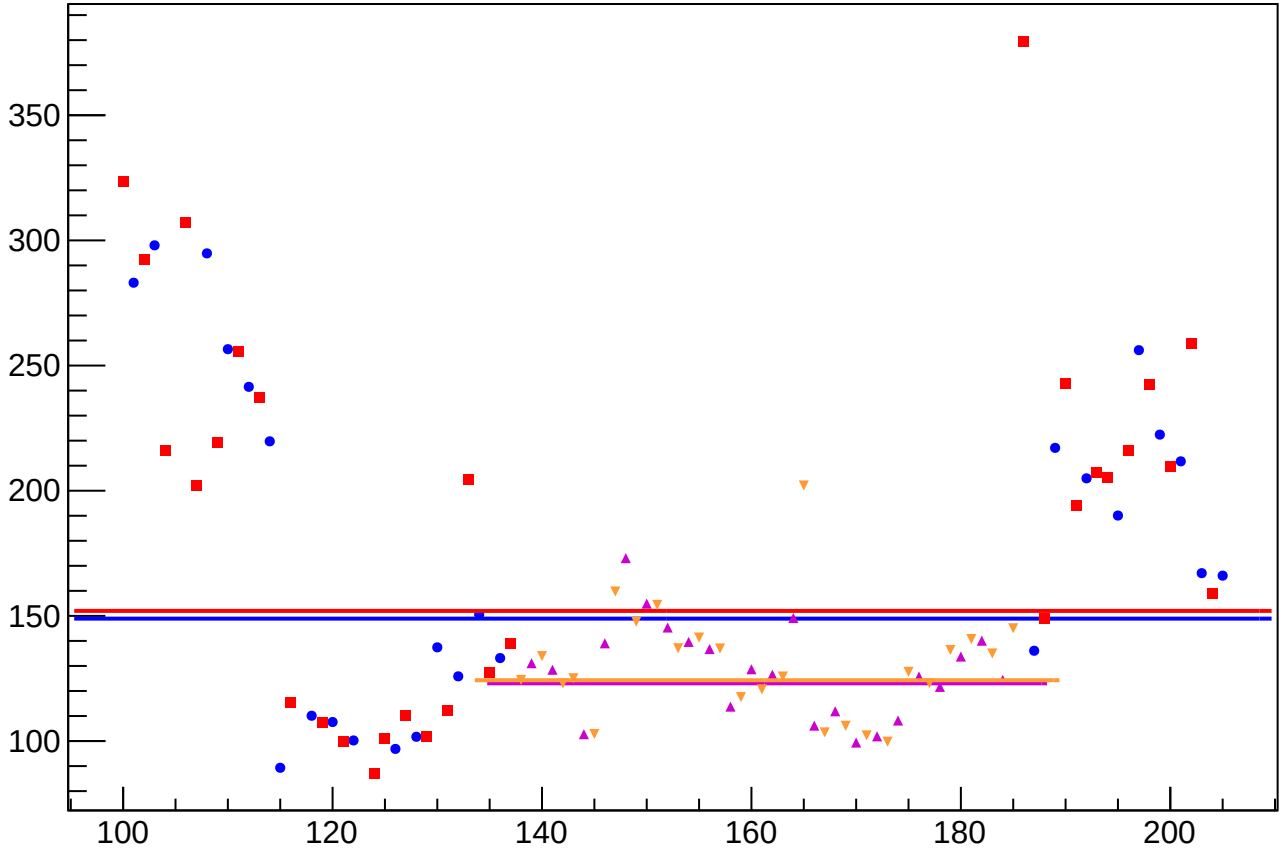
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.016+/-0.017 χ^2/NDF: 103.7/102

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

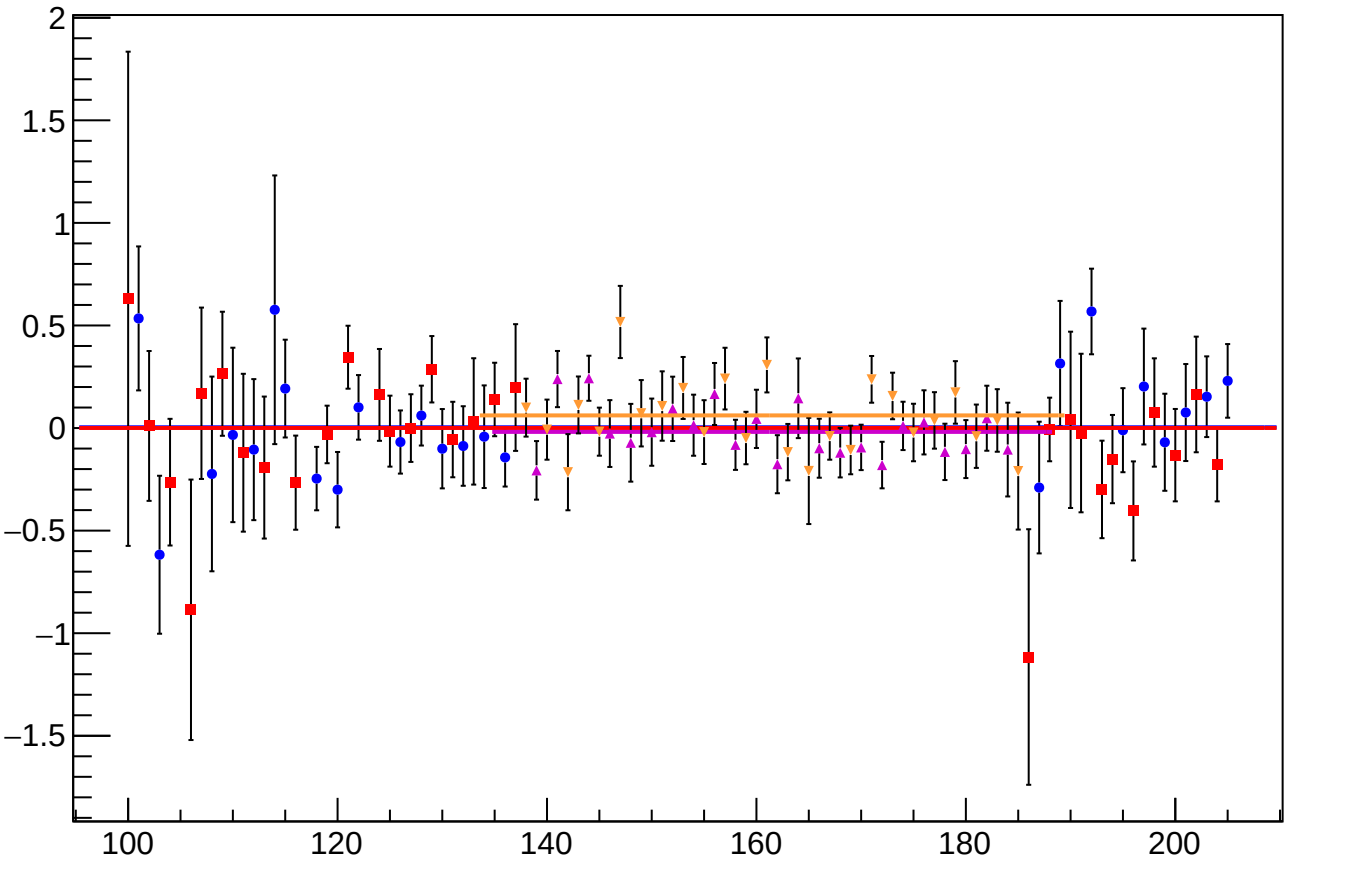
Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 131.918+/-0.017 χ^2/NDF: 4403585.3/49

All: 132.221+/-0.012 χ^2/NDF: 9442598.9/102

- sign 132.531+/-0.017 χ^2/NDF: 5038358.6/52



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.000+/-0.042 χ^2/NDF: 25.4/29

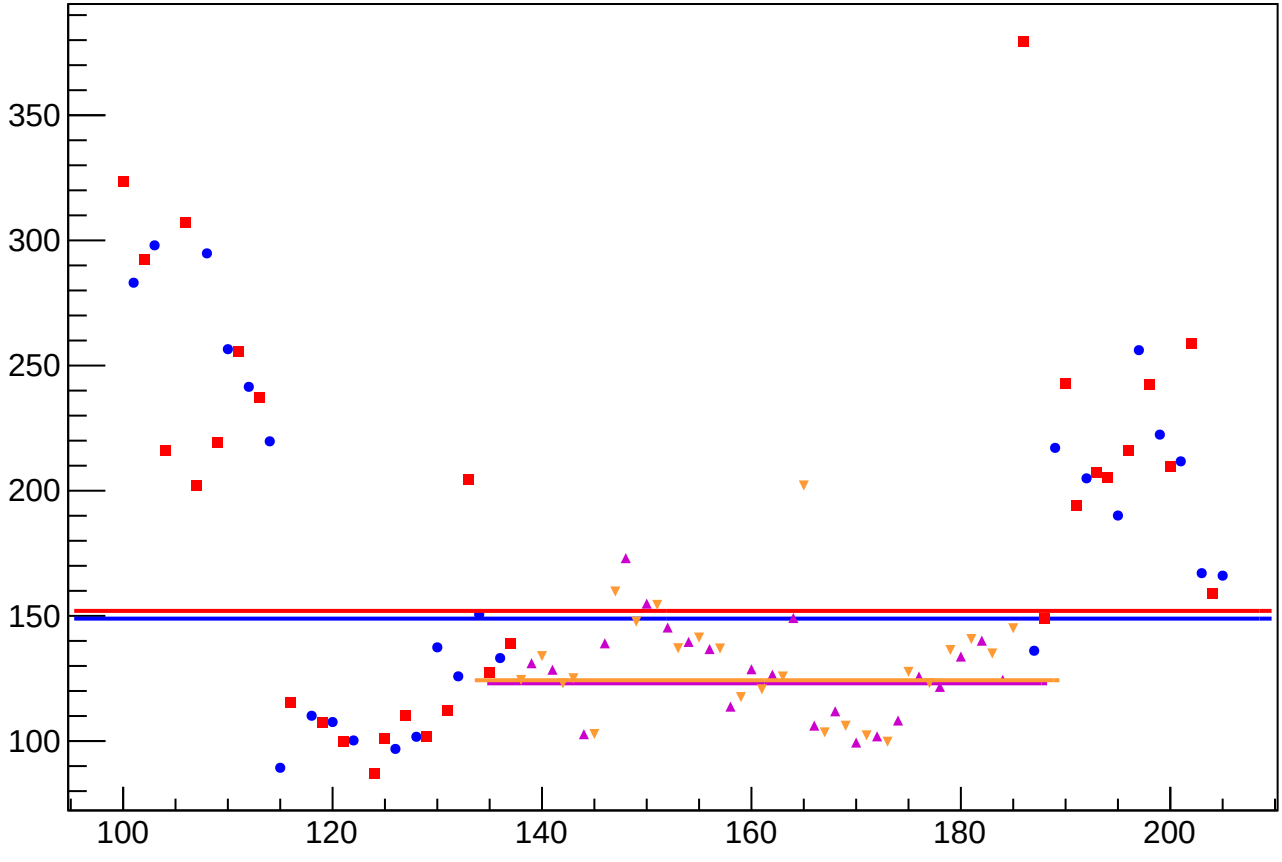
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.016+/-0.017 χ^2/NDF: 103.7/102

- sign -0.012+/-0.024 χ^2/NDF: 45.8/52

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

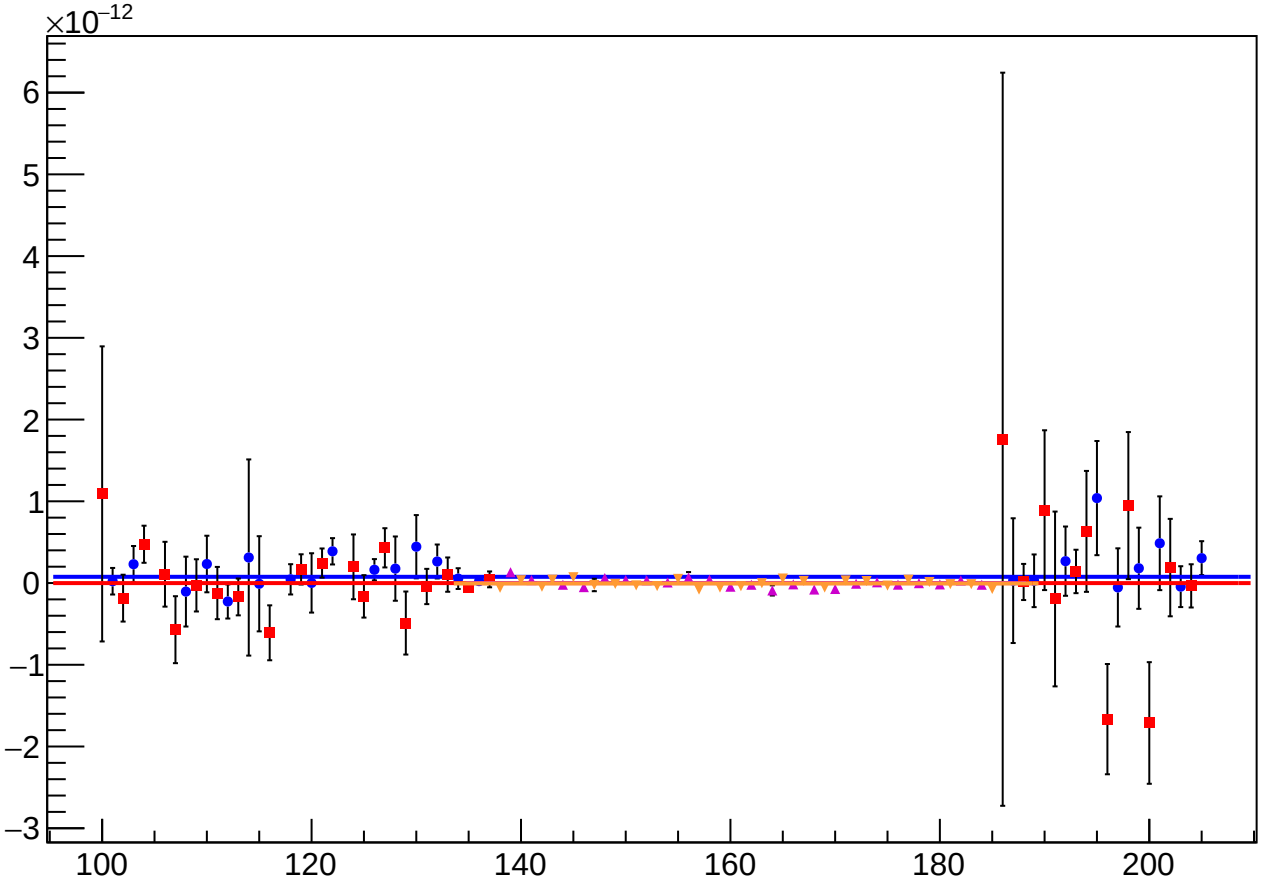
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 131.918+/-0.017 χ^2/NDF: 4403585.3/49

All: 132.221+/-0.012 χ^2/NDF: 9442598.9/102

- sign 132.531+/-0.017 χ^2/NDF: 5038358.6/52

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/29

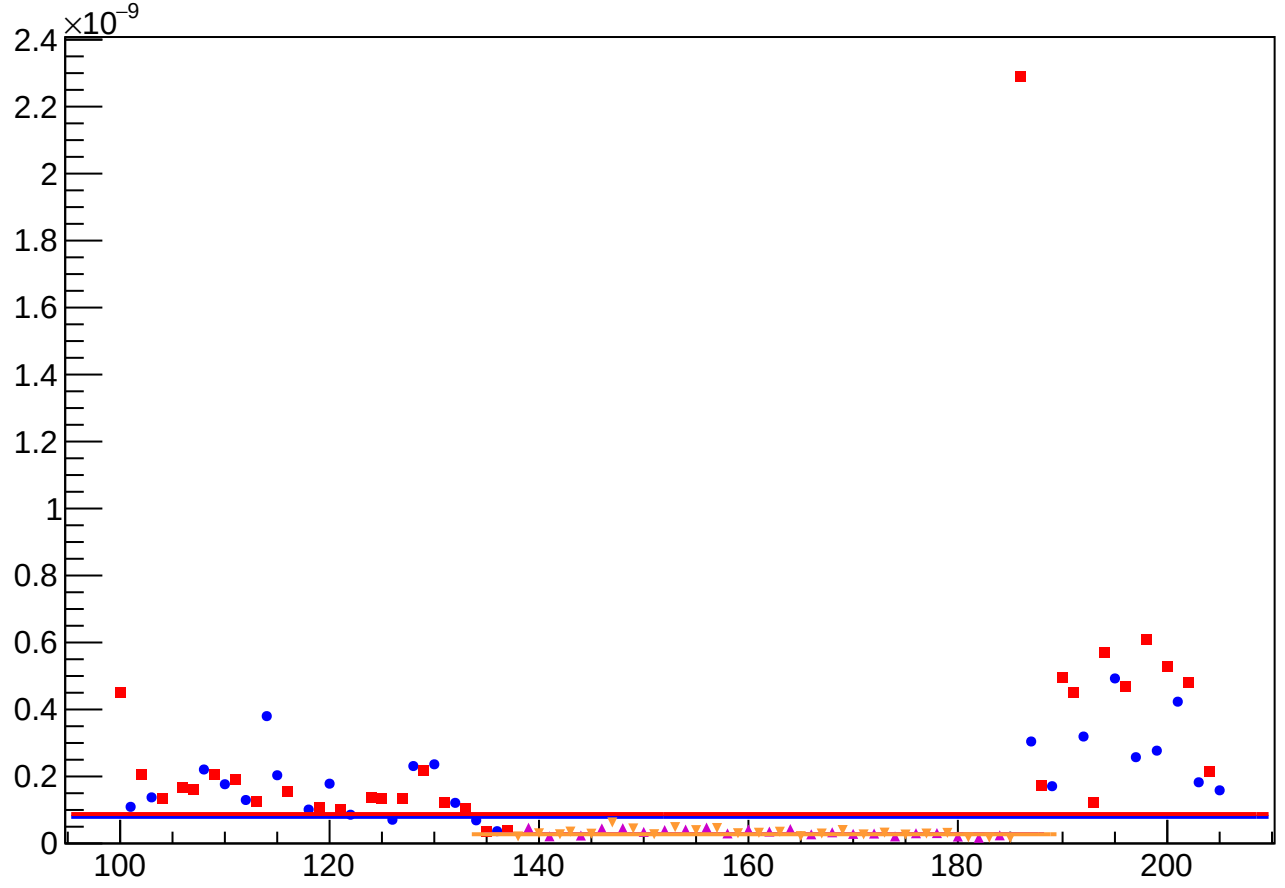
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/49

All: -0.000+/-0.000 χ^2/NDF: 104.3/102

- sign 0.000+/-0.000 χ^2/NDF: 60.0/52

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7039966.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9477031.8/29

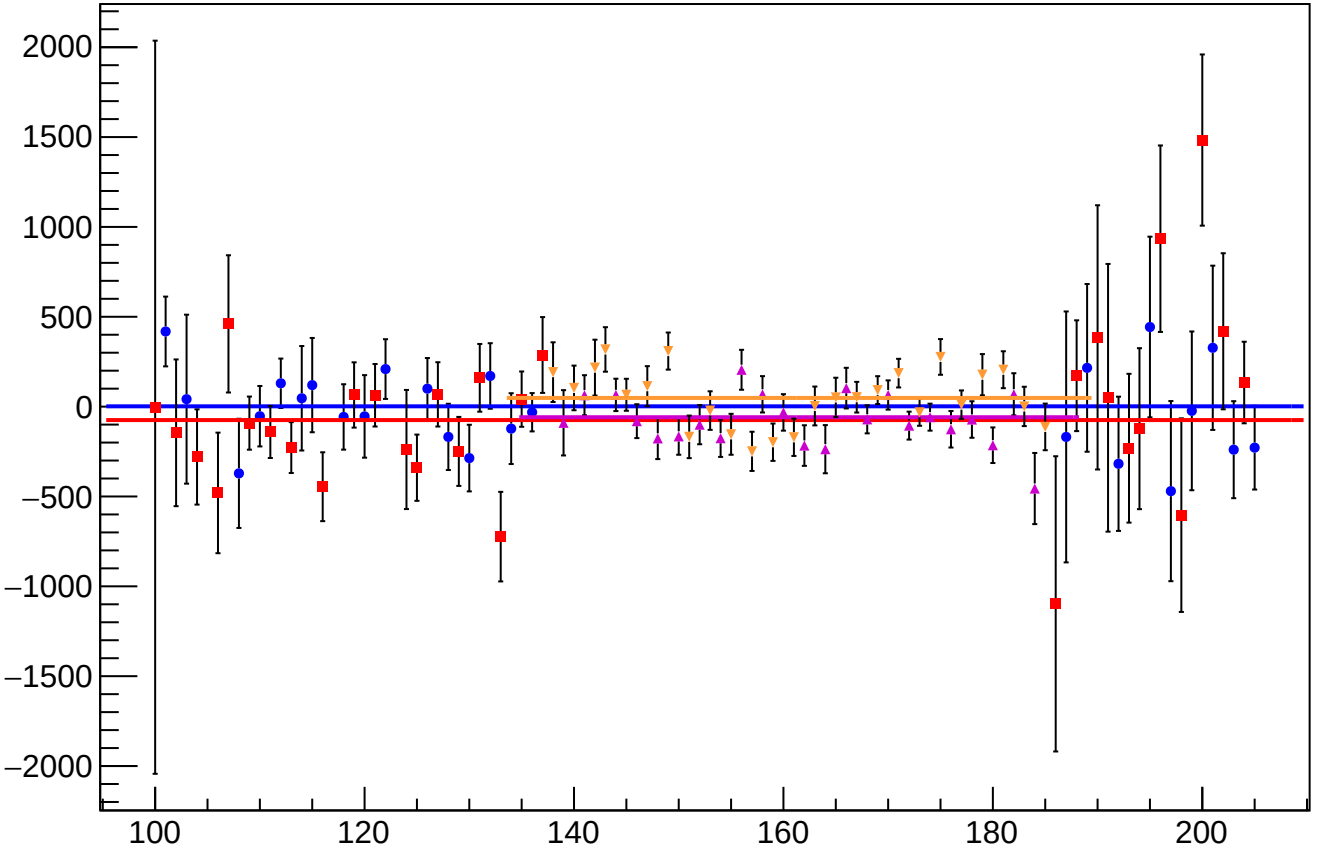
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13732428.9/49

All: 0.000+/-0.000 χ^2/NDF: 30186421.3/102

- sign 0.000+/-0.000 χ^2/NDF: 16440872.4/52

reg_asym_sam3_mean vs Slug



Right In: 1.684+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -74.834+/-43.074 χ^2/NDF: 46.4/29

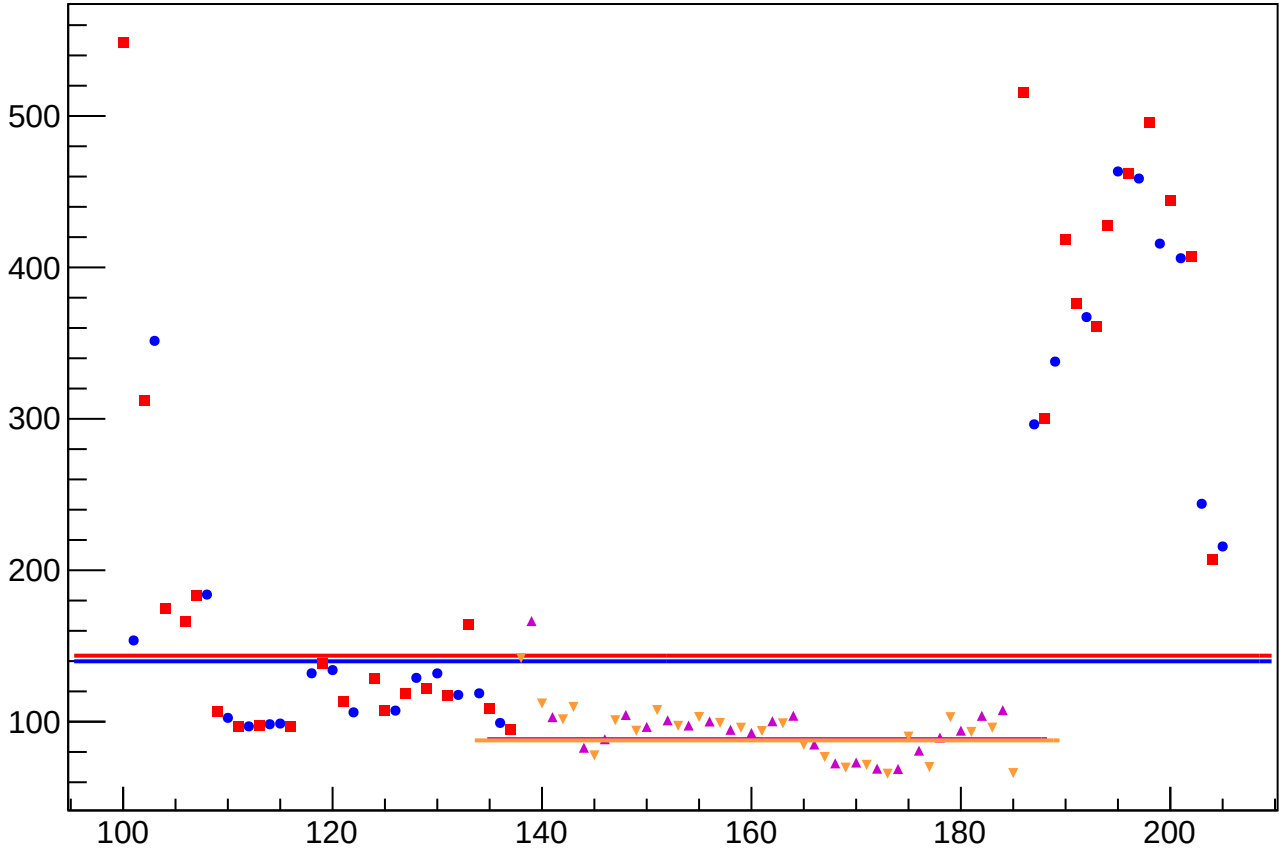
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 39.773+/-18.443 χ^2/NDF: 73.5/49

All: -9.670+/-13.230 χ^2/NDF: 165.4/102

- sign -62.088+/-18.989 χ^2/NDF: 77.1/52

reg_asym_sam3_rms vs Slug



Right In: 139.875+/-0.030 χ^2/NDF: 6162580.1/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.594+/-0.030 χ^2/NDF: 7664386.4/29

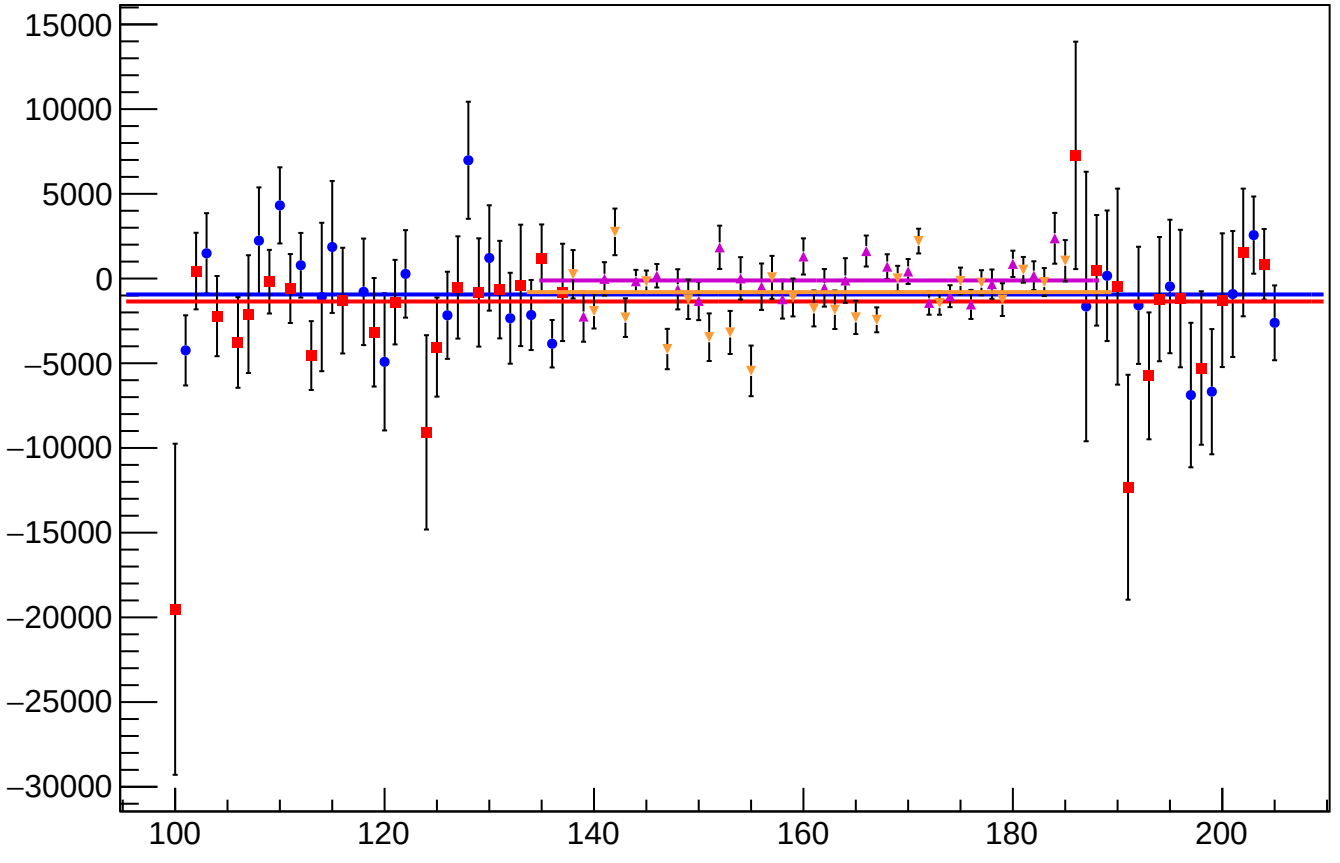
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 97.292+/-0.013 χ^2/NDF: 9788625.8/49

All: 98.215+/-0.009 χ^2/NDF: 21176765.7/102

- sign 99.193+/-0.013 χ^2/NDF: 11377819.0/52

asym_sam3_reg_correction_mean vs Slug



Right In: -940.392+/-537.250 χ^2/NDF: 30.9/24

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

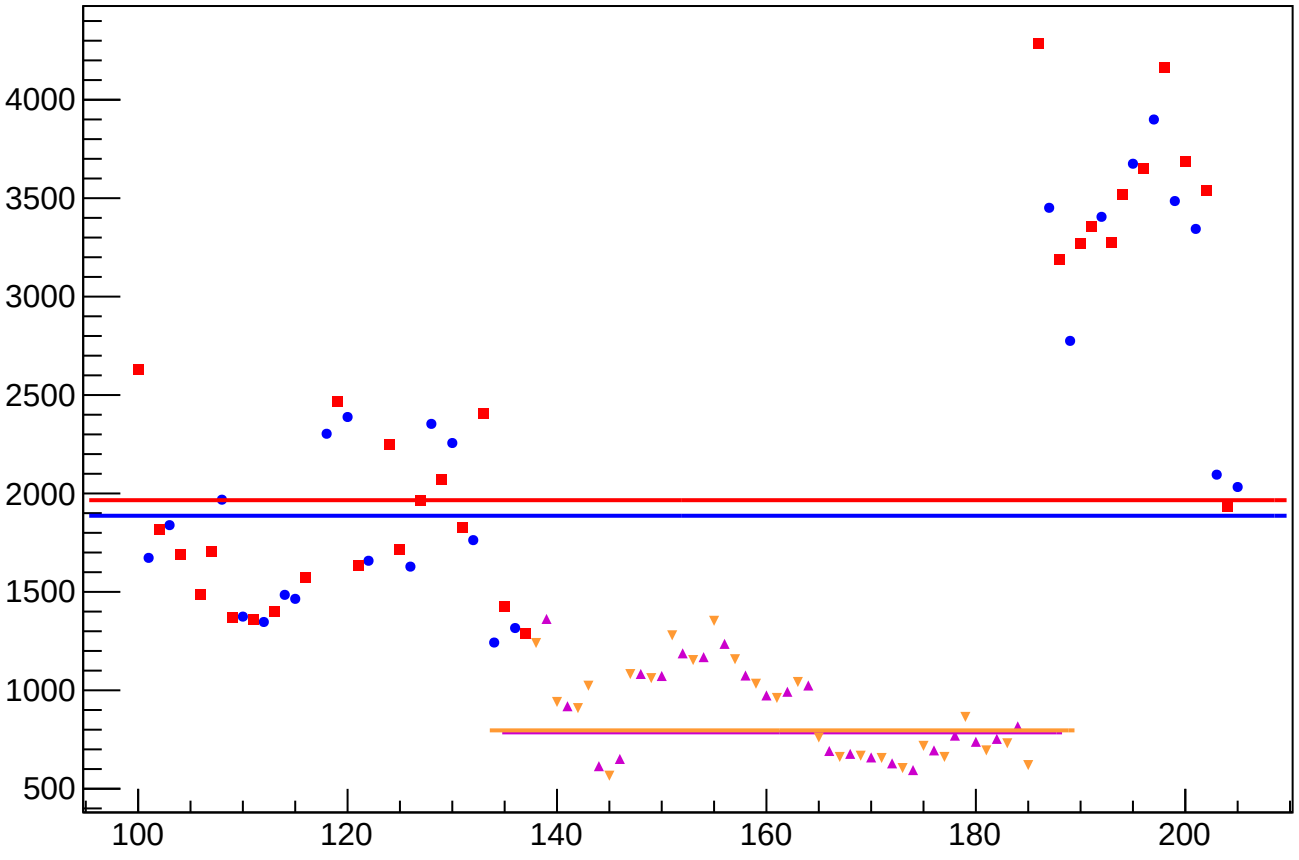
Right Out: -1354.331+/-538.483 χ^2/NDF: 21.5/29

Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -816.622+/-177.243 χ^2/NDF: 102.9/49

All: -536.895+/-126.085 χ^2/NDF: 161.2/102

- sign -250.321+/-179.400 χ^2/NDF: 53.3/52



Right In: 1886.750+/-0.380 χ^2/NDF: 3156869.9/24

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1965.844+/-0.381 χ^2/NDF: 3944841.2/29

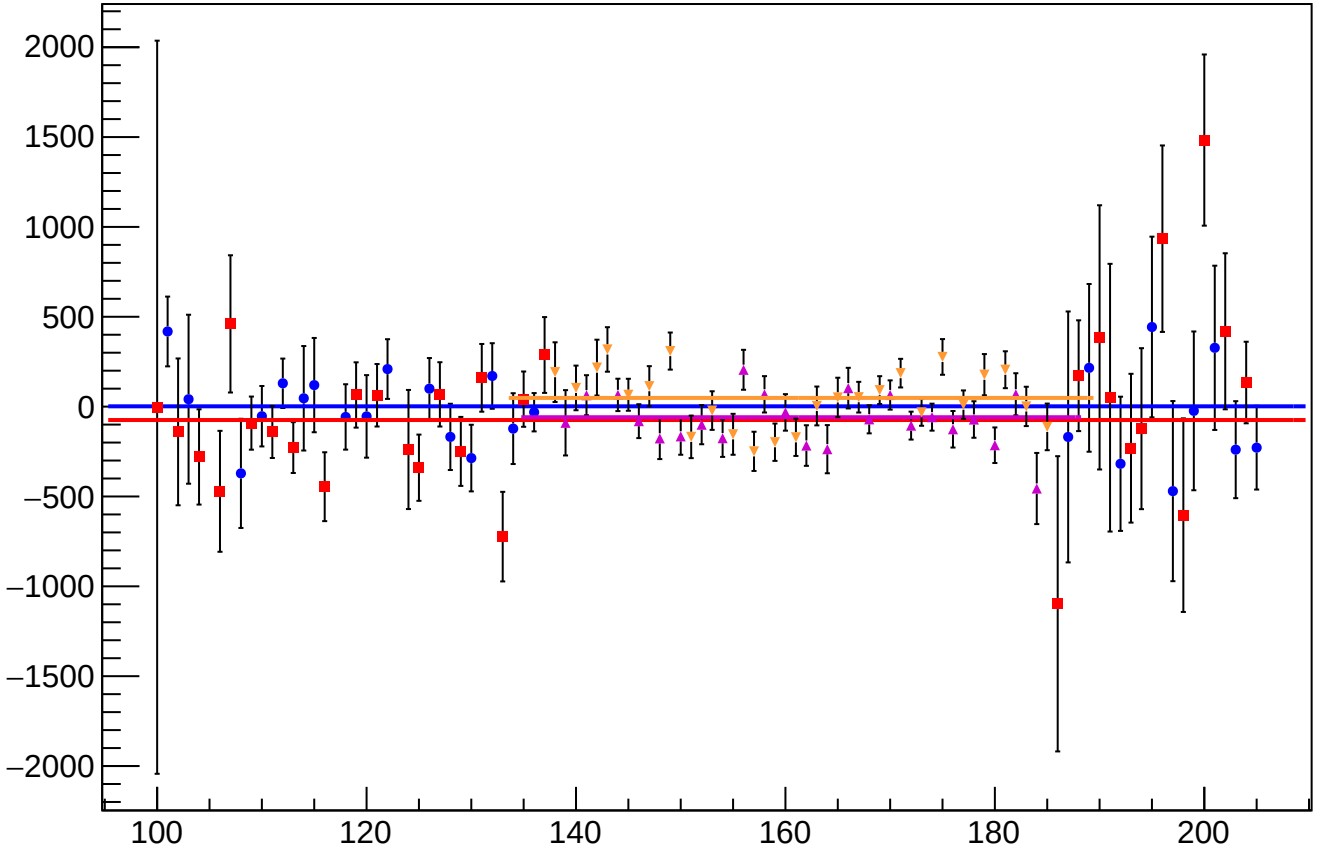
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 915.183+/-0.125 χ^2/NDF: 12914244.4/49

All: 916.206+/-0.089 χ^2/NDF: 27546681.8/10

- sign 917.254+/-0.127 χ^2/NDF: 14632302.6/52

cor_asym_sam3_mean vs Slug



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -74.581+/-43.076 χ^2/NDF: 46.3/29

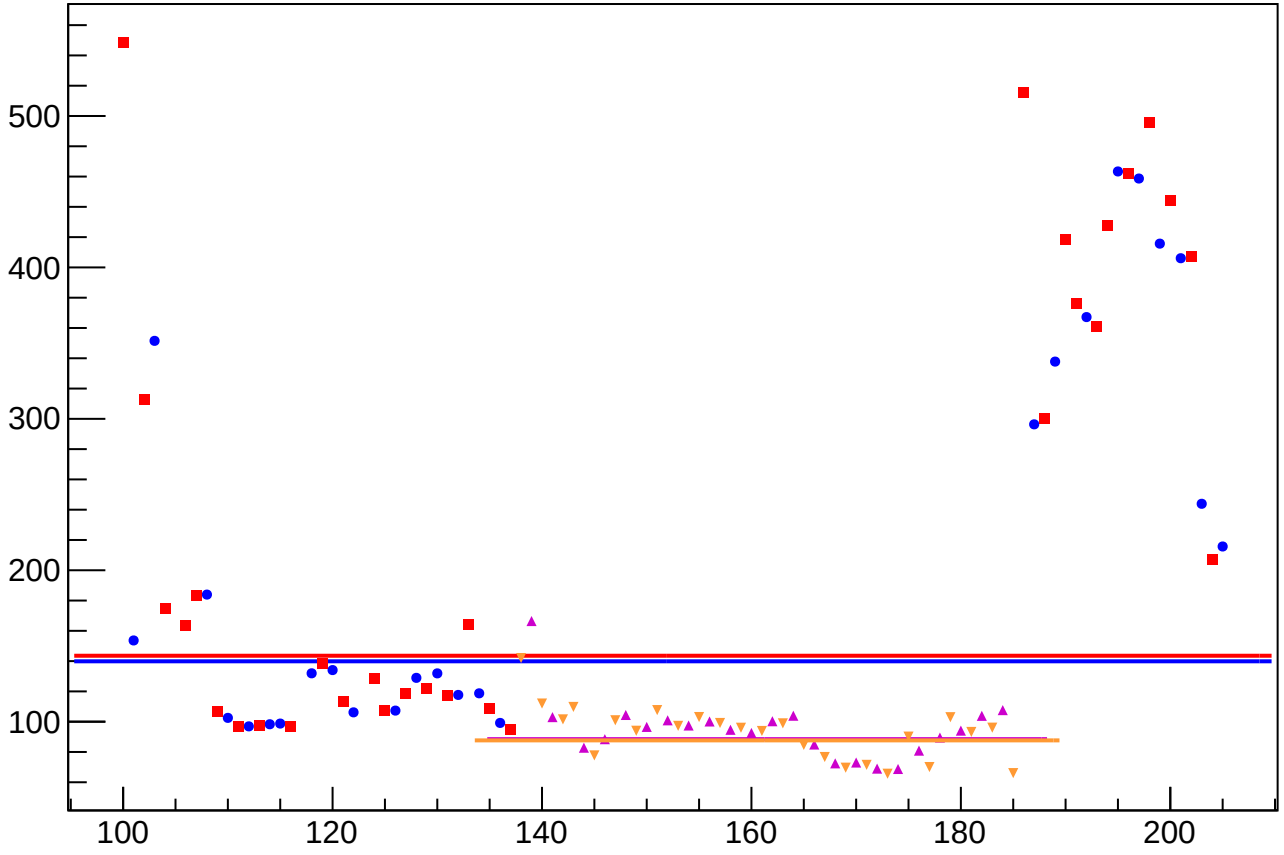
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 39.776+/-18.443 χ^2/NDF: 73.5/49

All: -9.645+/-13.230 χ^2/NDF: 165.3/102

- sign -62.041+/-18.989 χ^2/NDF: 77.0/52

cor_asym_sam3_rms vs Slug



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

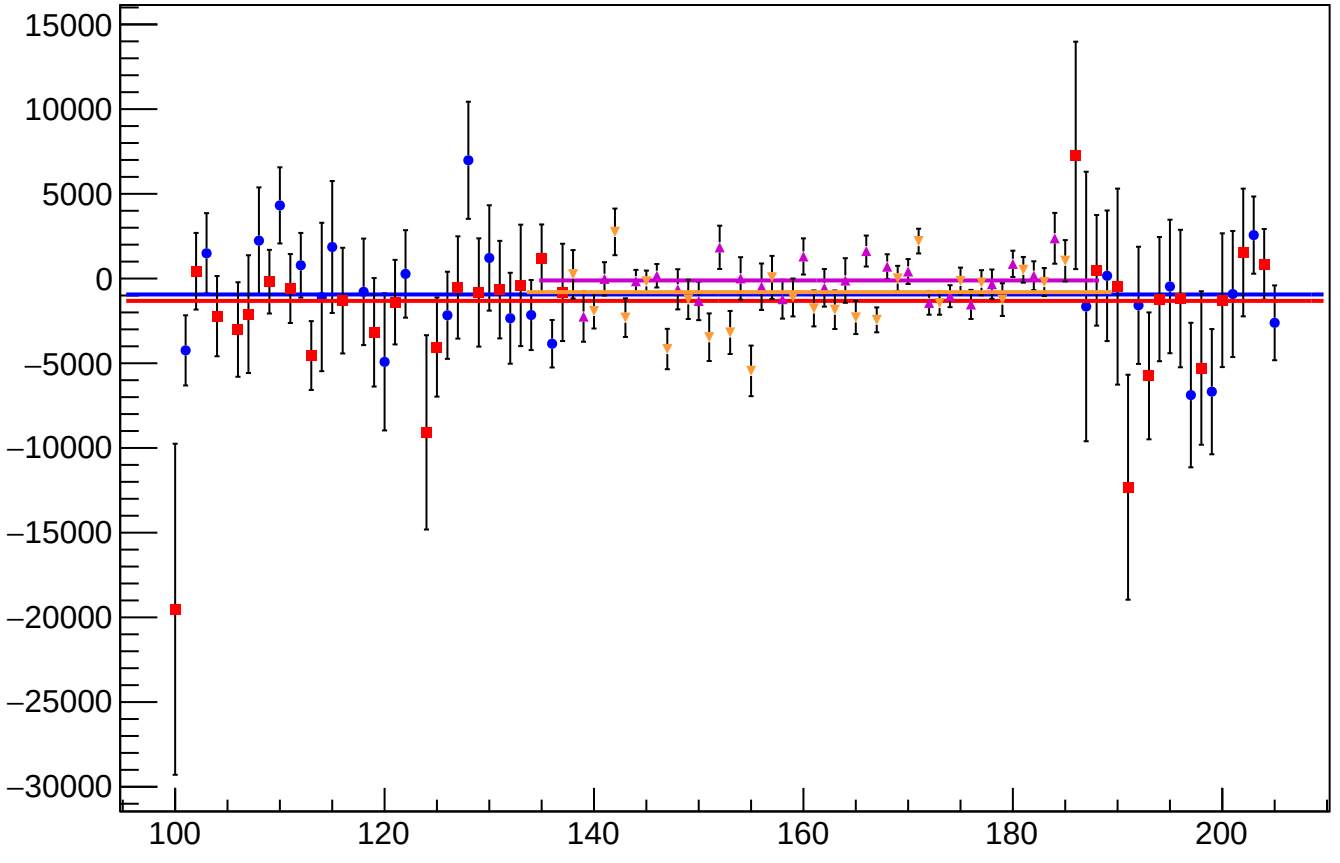
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 97.292+/-0.013 χ^2/NDF: 9788627.4/49

All: 98.210+/-0.009 χ^2/NDF: 21170569.1/102

- sign 99.184+/-0.013 χ^2/NDF: 11371721.7/52

asym_sam3_cor_correction_mean vs Slug



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

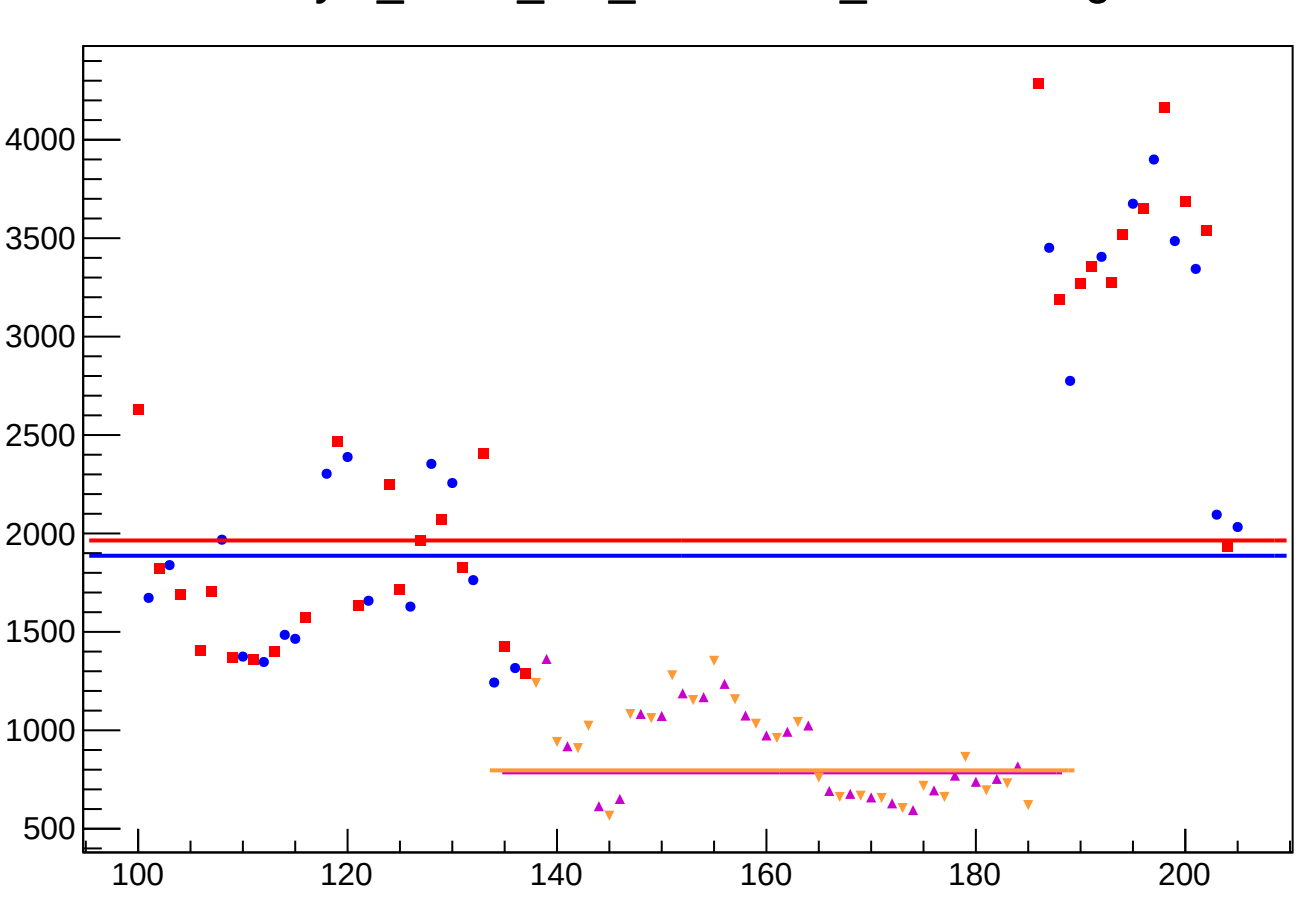
Right Out: -1318.829+/-539.394 χ^2/NDF: 21.0/29

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -816.614+/-177.243 χ^2/NDF: 102.9/49

All: -534.800+/-126.097 χ^2/NDF: 160.5/102

- sign -245.980+/-179.433 χ^2/NDF: 52.5/52



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

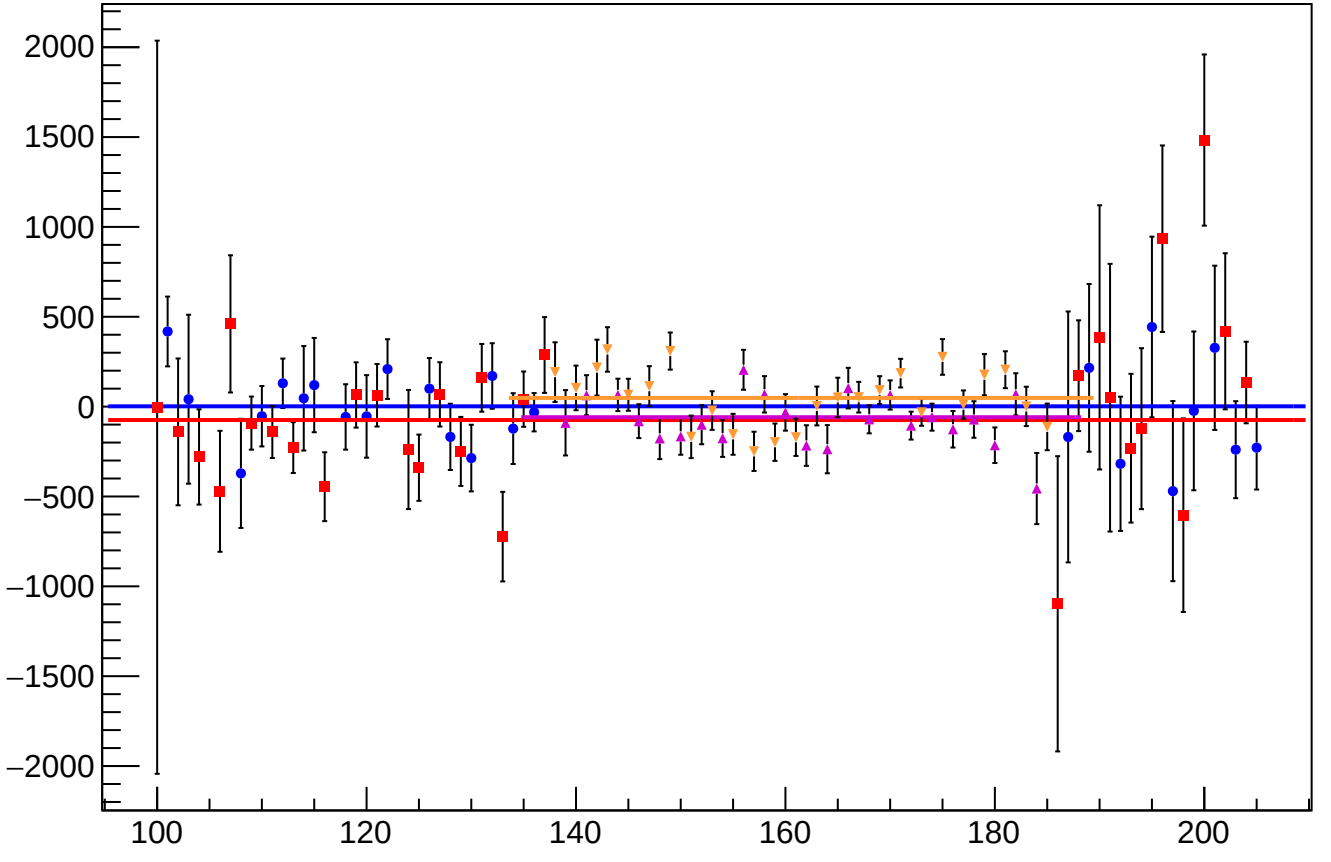
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 915.183+/-0.125 χ^2/NDF: 12914304.8/49

All: 915.938+/-0.089 χ^2/NDF: 27517762.5/10

- sign 916.711+/-0.127 χ^2/NDF: 14603384.3/52

eigen_cor_asym_sam3_mean vs Slug



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -74.581+/-43.076 χ^2/NDF: 46.3/29

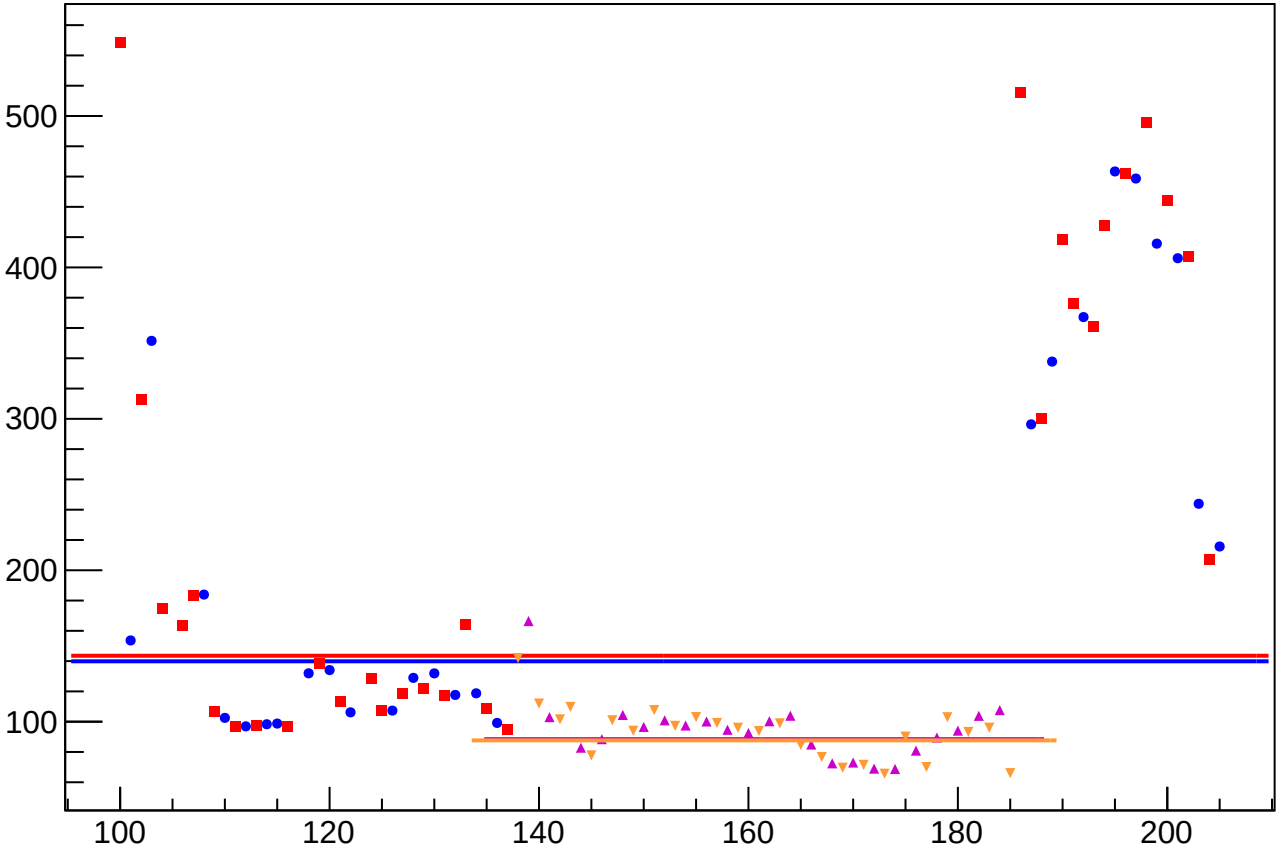
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 39.776+/-18.443 χ^2/NDF: 73.5/49

All: -9.645+/-13.230 χ^2/NDF: 165.3/102

- sign -62.041+/-18.989 χ^2/NDF: 77.0/52

eigen_cor_asym_sam3_rms vs Slug



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

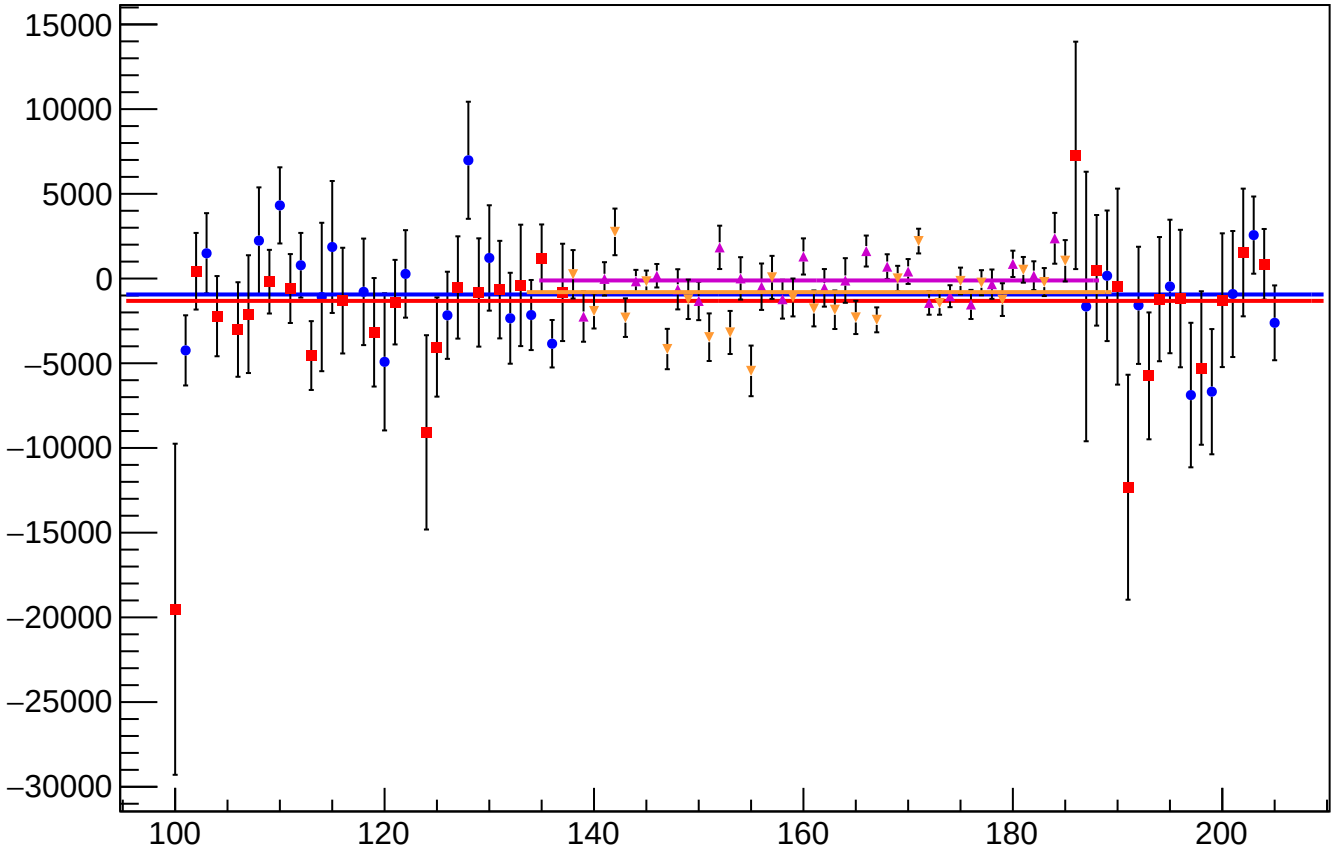
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 97.292+/-0.013 χ^2/NDF: 9788627.4/49

All: 98.210+/-0.009 χ^2/NDF: 21170569.1/102

- sign 99.184+/-0.013 χ^2/NDF: 11371721.7/52

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

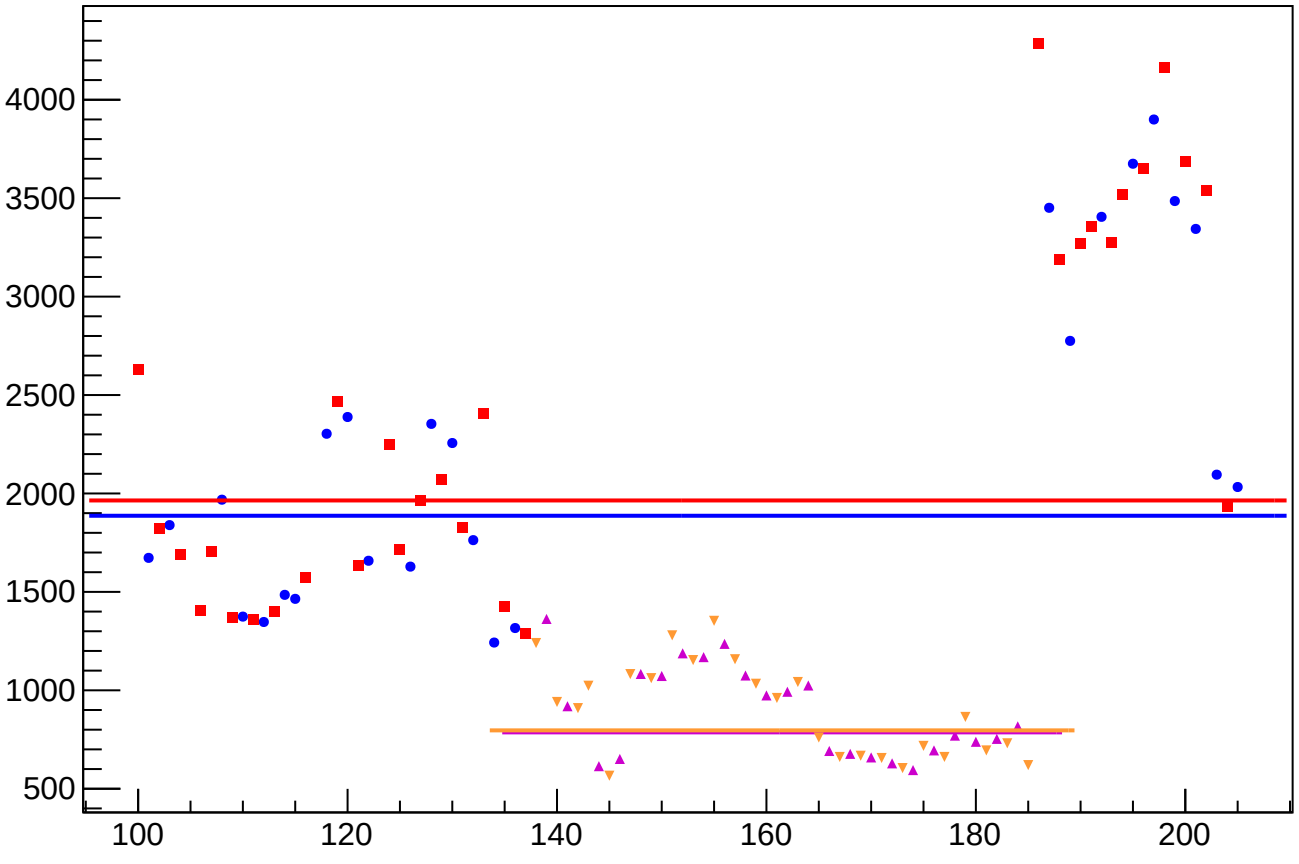
Right Out: -1318.829+/-539.394 χ^2/NDF: 21.0/29

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -816.614+/-177.243 χ^2/NDF: 102.9/49

All: -534.800+/-126.097 χ^2/NDF: 160.5/102

- sign -245.980+/-179.433 χ^2/NDF: 52.5/52



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

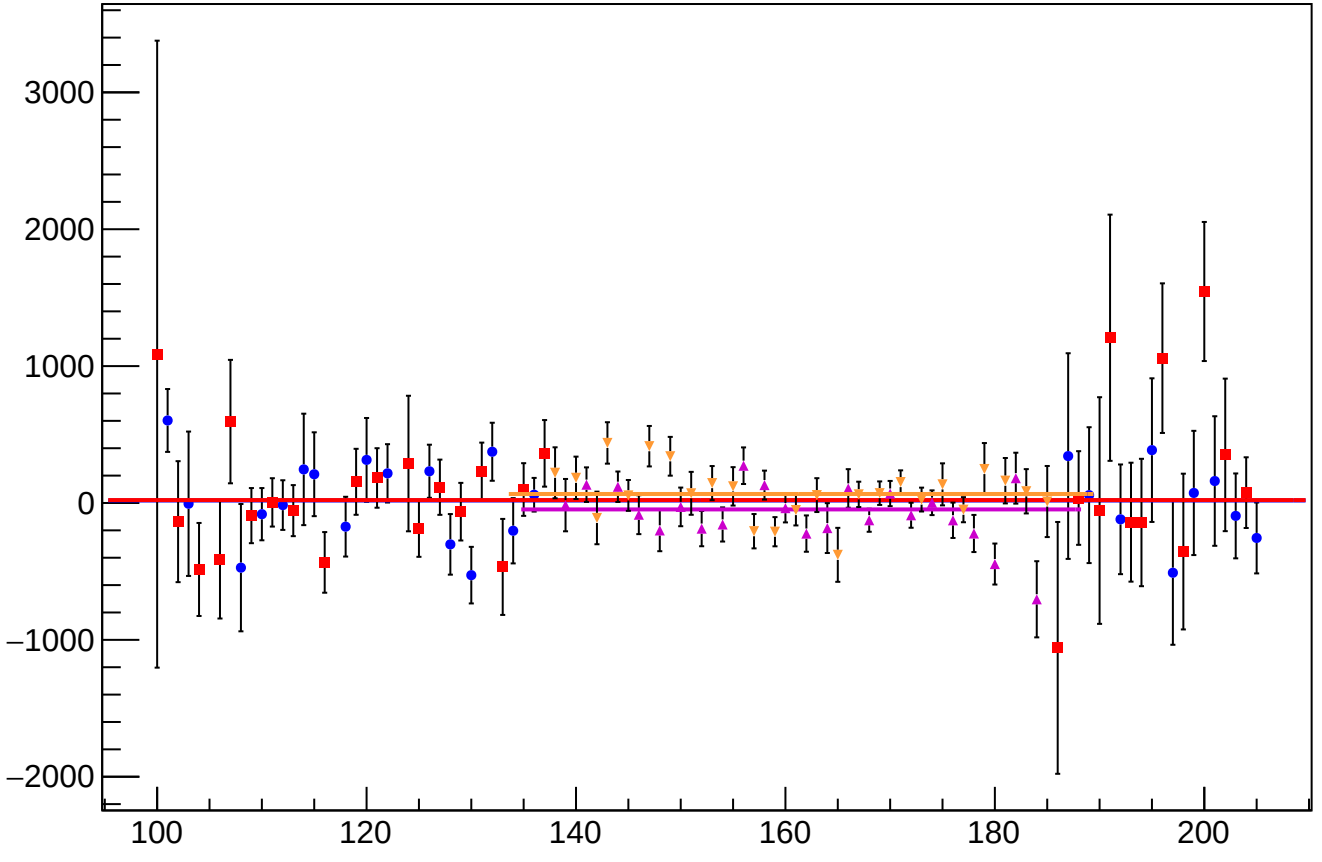
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 915.183+/-0.125 χ^2/NDF: 12914304.8/49

All: 915.938+/-0.089 χ^2/NDF: 27517762.5/10

- sign 916.711+/-0.127 χ^2/NDF: 14603384.3/52

dit_asym_sam3_mean vs Slug



Right In: 18.250+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 21.216+/-52.079 χ^2/NDF: 34.4/29

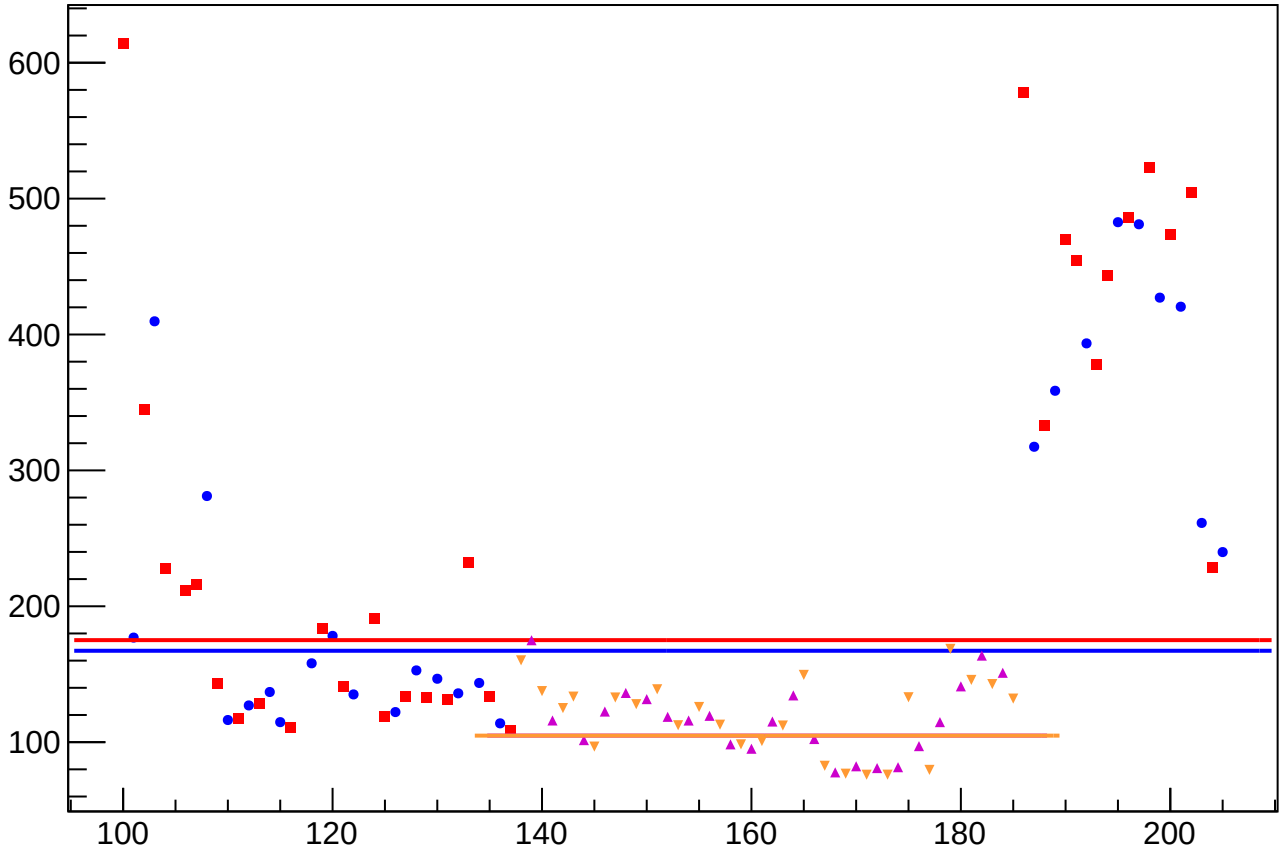
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 56.451+/-22.484 χ^2/NDF: 69.2/49

All: 12.495+/-16.093 χ^2/NDF: 151.4/102

- sign -33.675+/-23.044 χ^2/NDF: 74.4/52

dit_asym_sam3_rms vs Slug



Right In: 167.258+/-0.036 χ^2/NDF: 5504018.5/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 175.087+/-0.037 χ^2/NDF: 6979827.3/29

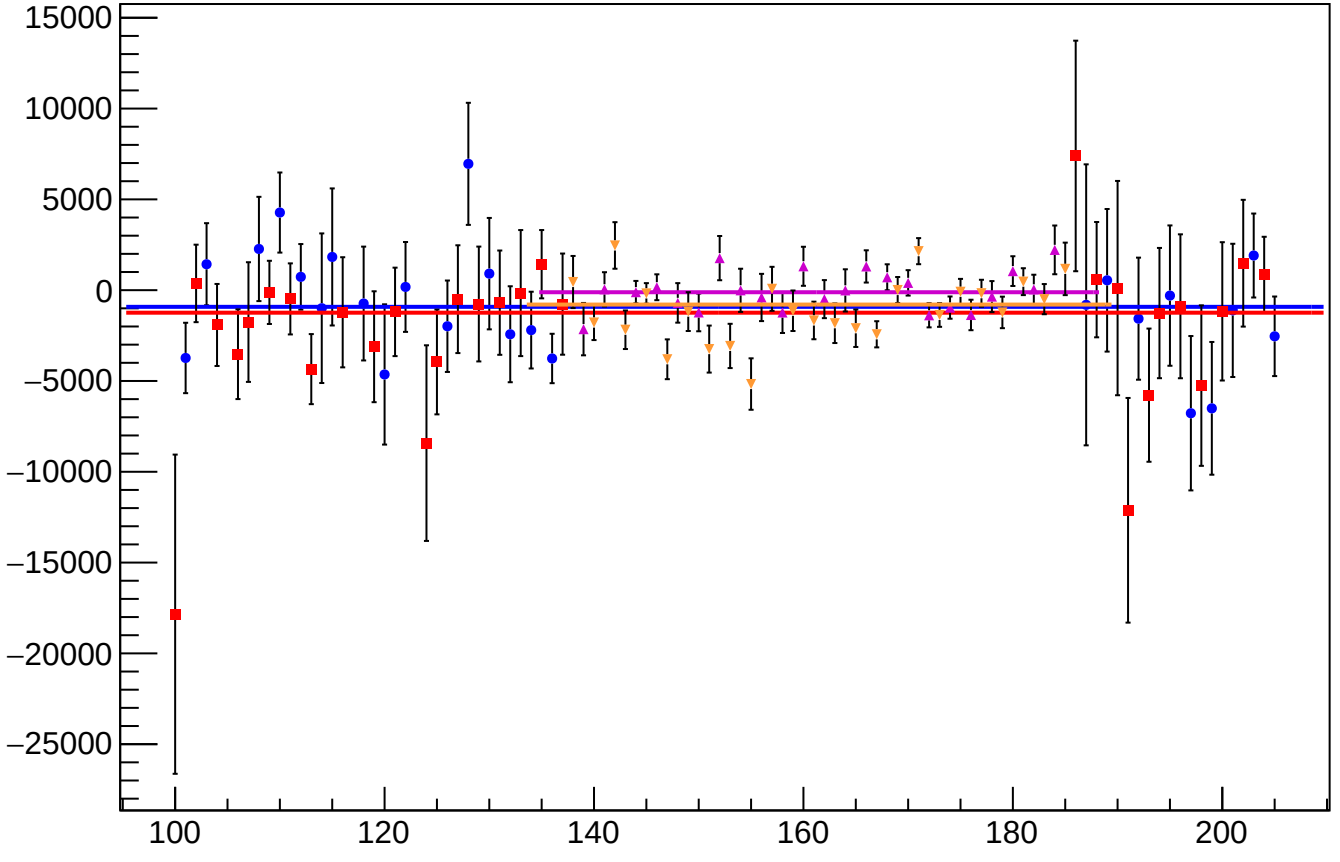
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 116.984+/-0.016 χ^2/NDF: 10168177.9/49

All: 117.767+/-0.011 χ^2/NDF: 21694346.2/10

- sign 118.589+/-0.016 χ^2/NDF: 11521199.1/52

asym_sam3_dit_correction_mean vs Slug



Right In: -917.378+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1240.177+/-516.898 χ^2/NDF: 22.9/29

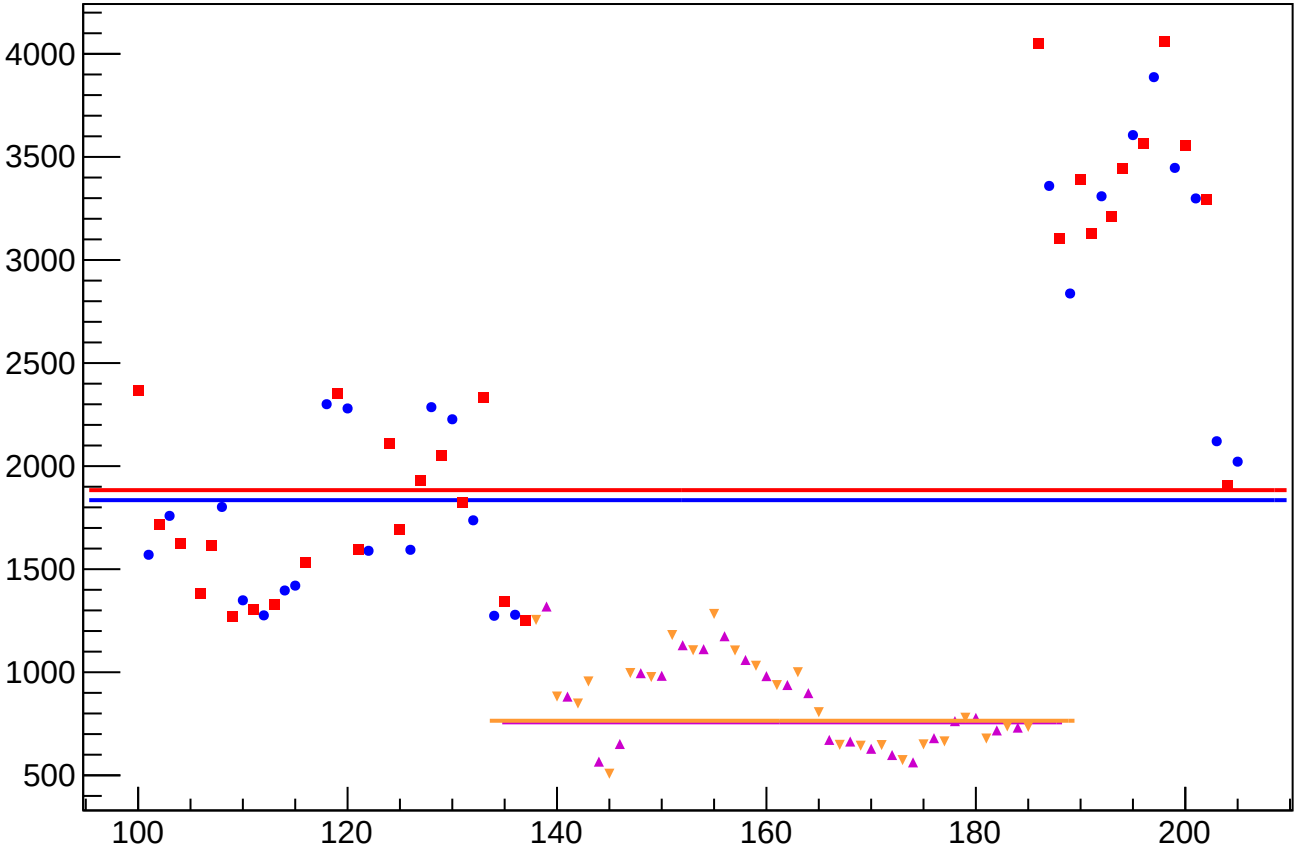
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -806.216+/-170.119 χ^2/NDF: 100.1/49

All: -526.886+/-121.164 χ^2/NDF: 159.0/102

- sign -239.303+/-172.613 χ^2/NDF: 53.4/52

asym_sam3_dit_correction_rms vs Slug



Right In: 1834.897+/-0.370 χ^2/NDF: 3262753.9/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1883.493+/-0.366 χ^2/NDF: 4090552.9/29

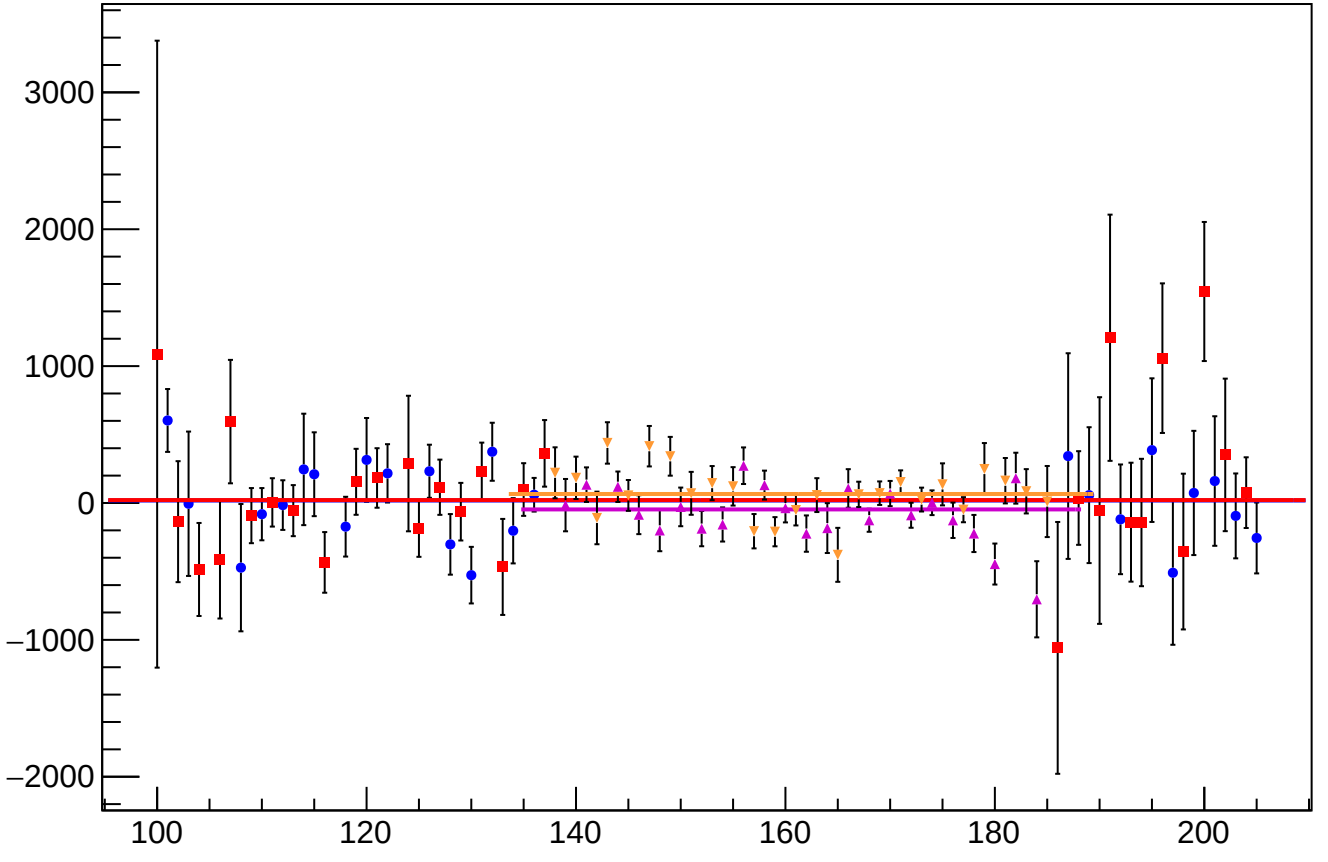
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 877.907+/-0.120 χ^2/NDF: 13173038.4/49

All: 880.198+/-0.086 χ^2/NDF: 27820395.2/10

- sign 882.557+/-0.122 χ^2/NDF: 14646620.5/52

eigen_dit_asym_sam3_mean vs Slug



Right In: 18.249+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 21.219+/-52.079 χ^2/NDF: 34.4/29

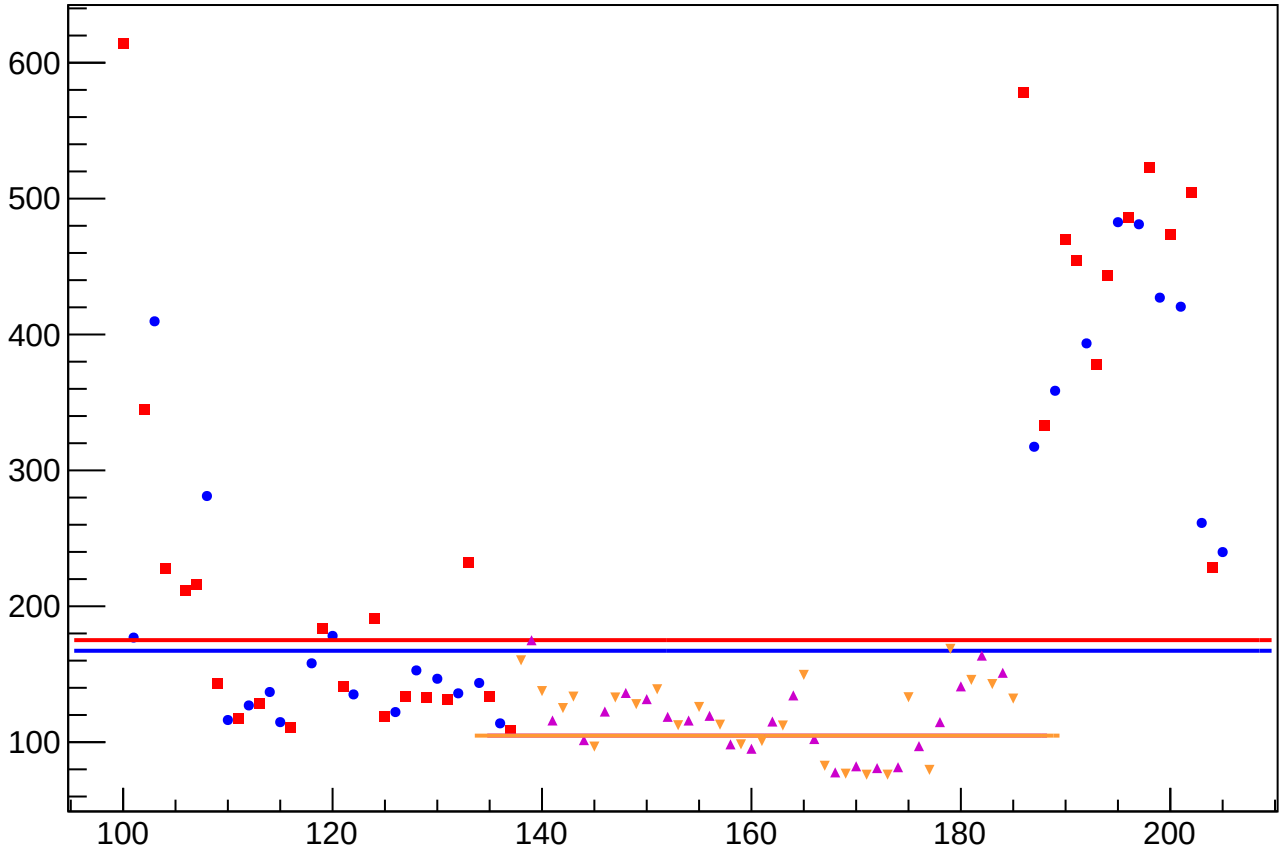
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 56.451+/-22.484 χ^2/NDF: 69.2/49

All: 12.496+/-16.093 χ^2/NDF: 151.4/102

- sign -33.674+/-23.044 χ^2/NDF: 74.4/52

eigen_dit_asym_sam3_rms vs Slug



Right In: 167.258+/-0.036 χ^2/NDF: 5504012.0/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 175.088+/-0.037 χ^2/NDF: 6979815.6/29

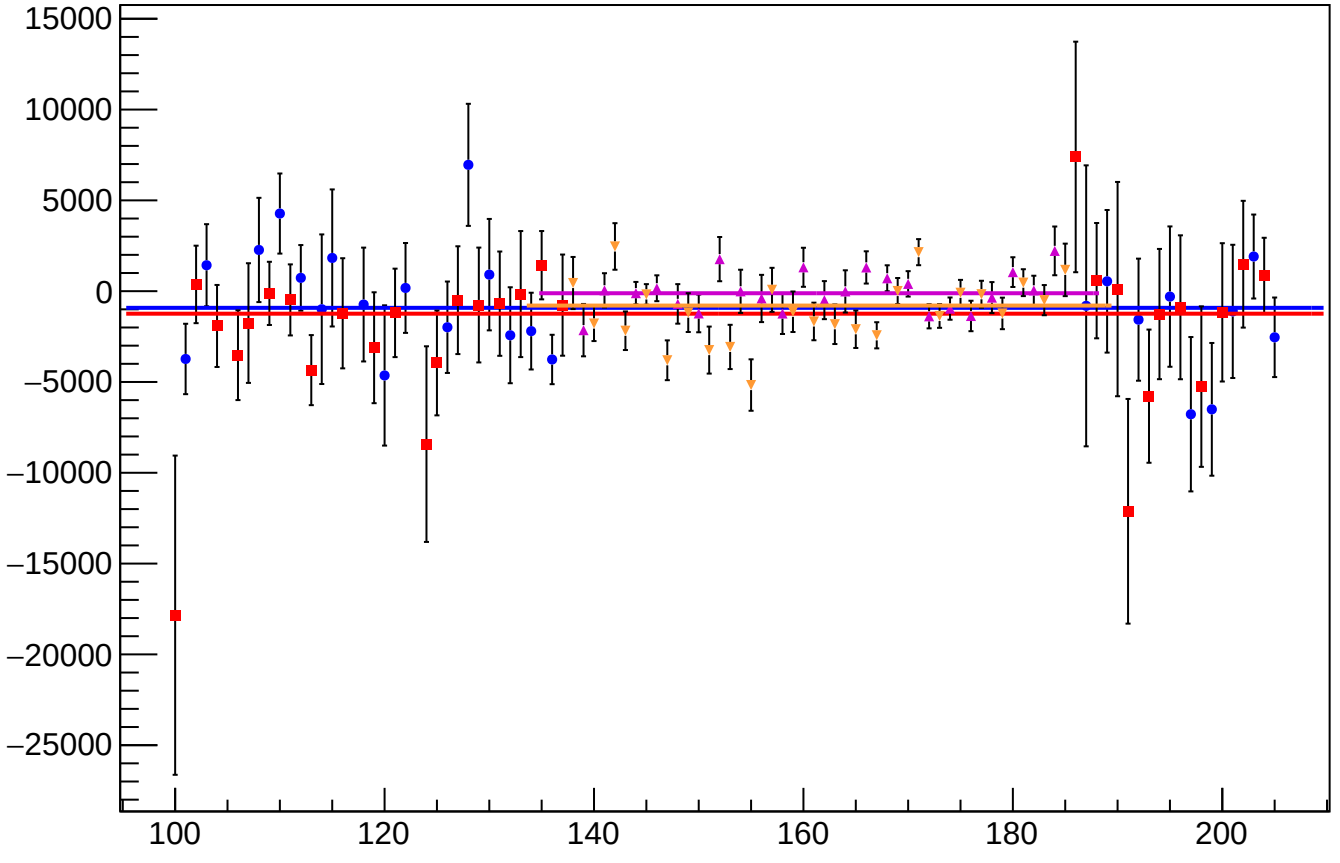
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 116.985+/-0.016 χ^2/NDF: 10168181.7/49

All: 117.768+/-0.011 χ^2/NDF: 21694352.6/10

- sign 118.590+/-0.016 χ^2/NDF: 11521201.8/52

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -917.376+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1240.176+/-516.898 χ^2/NDF: 22.9/29

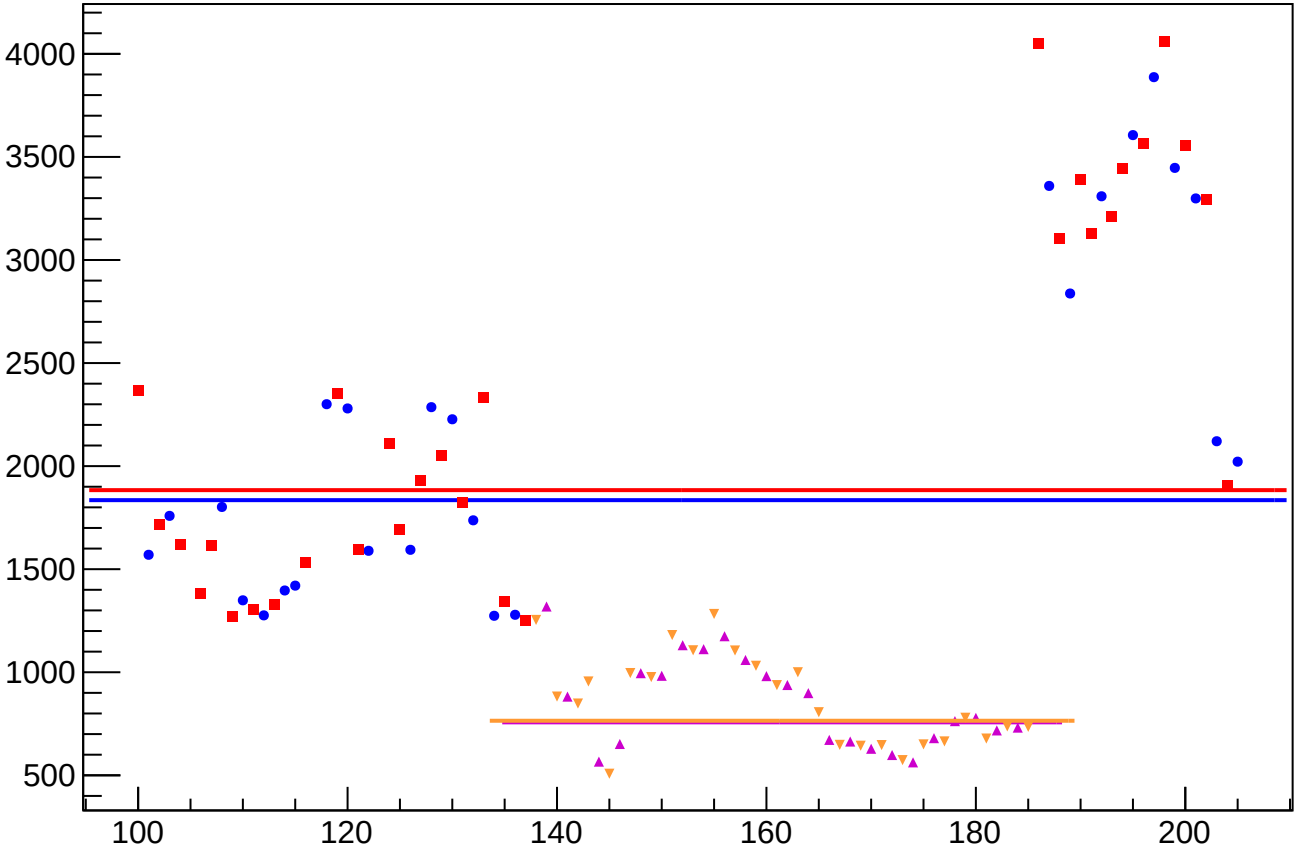
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -806.217+/-170.118 χ^2/NDF: 100.1/49

All: -526.886+/-121.164 χ^2/NDF: 159.0/102

- sign -239.302+/-172.613 χ^2/NDF: 53.4/52

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1834.895+/-0.370 χ^2/NDF: 3262753.3/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1883.491+/-0.366 χ^2/NDF: 4090553.7/29

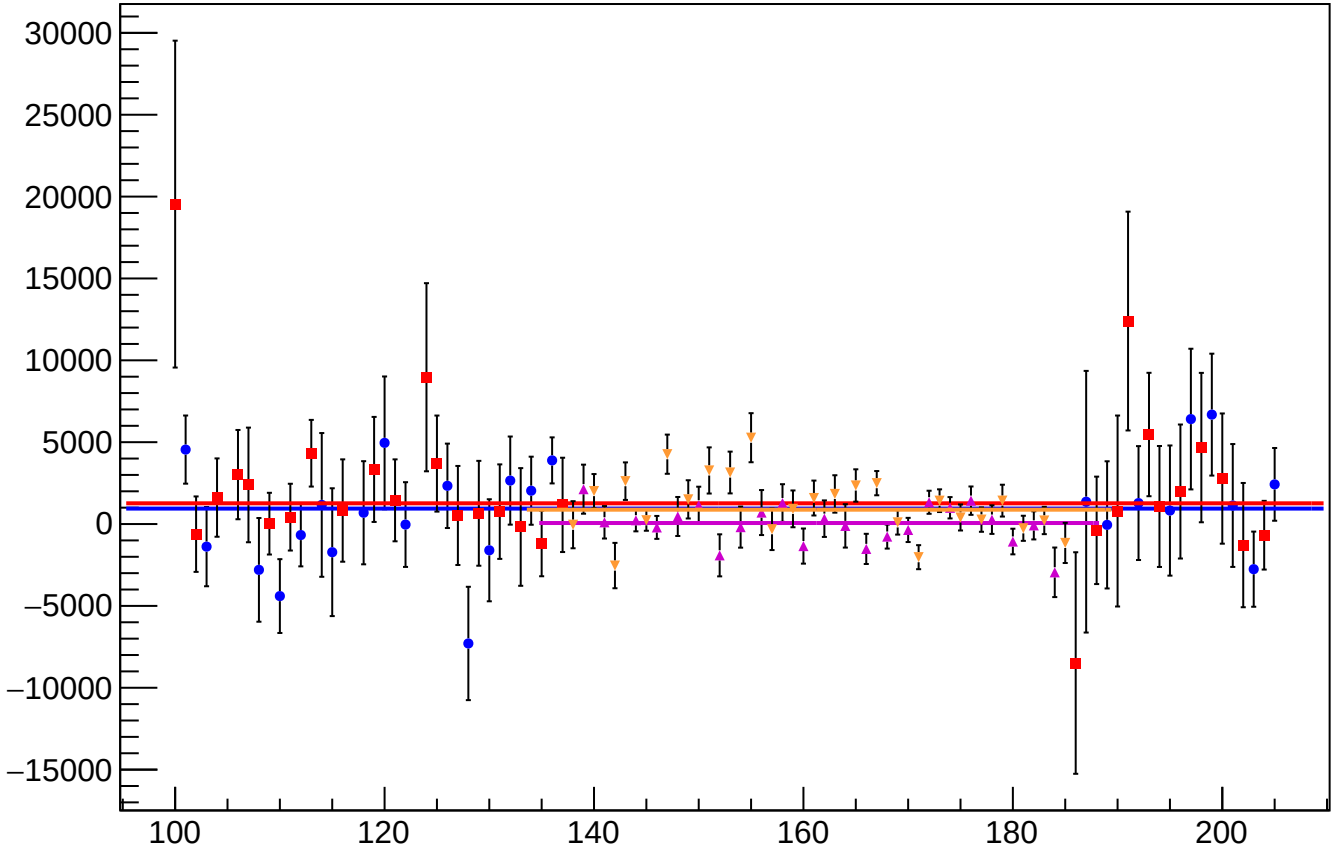
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 877.906+/-0.120 χ^2/NDF: 13173030.0/49

All: 880.197+/-0.086 χ^2/NDF: 27820376.9/10

- sign 882.556+/-0.122 χ^2/NDF: 14646610.7/52

asym_sam3_mean vs Slug



Right In: 943.638+/-540.001 χ^2/NDF: 32.0/24

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1266.143+/-541.580 χ^2/NDF: 20.5/29

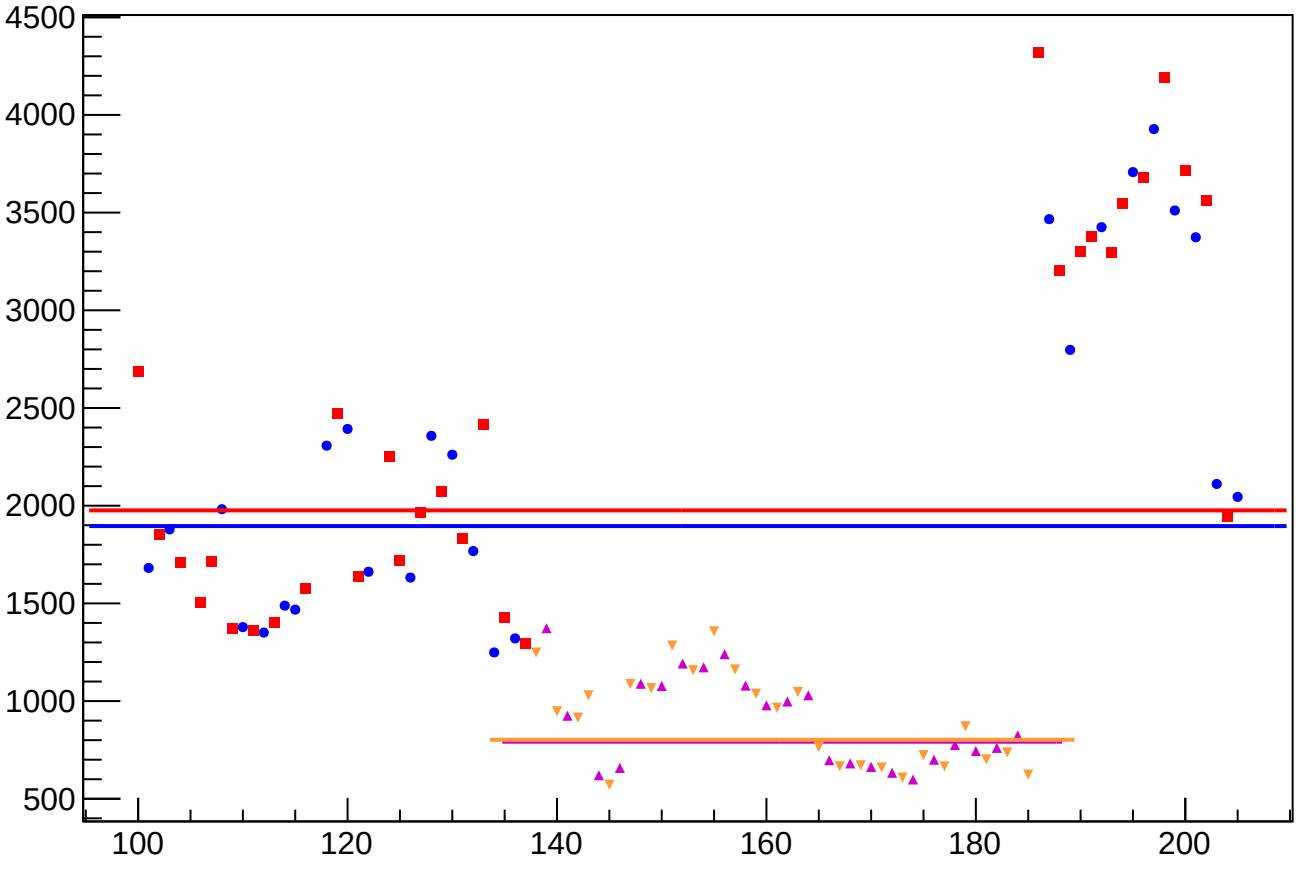
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 883.811+/-178.388 χ^2/NDF: 99.3/49

All: 544.496+/-126.923 χ^2/NDF: 158.7/102

- sign 196.612+/-180.626 χ^2/NDF: 52.0/52

asym_sam3_rms vs Slug



Right In: 1895.645+/-0.382 χ^2/NDF: 3176671.1/24

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1976.000+/-0.383 χ^2/NDF: 3963577.6/29

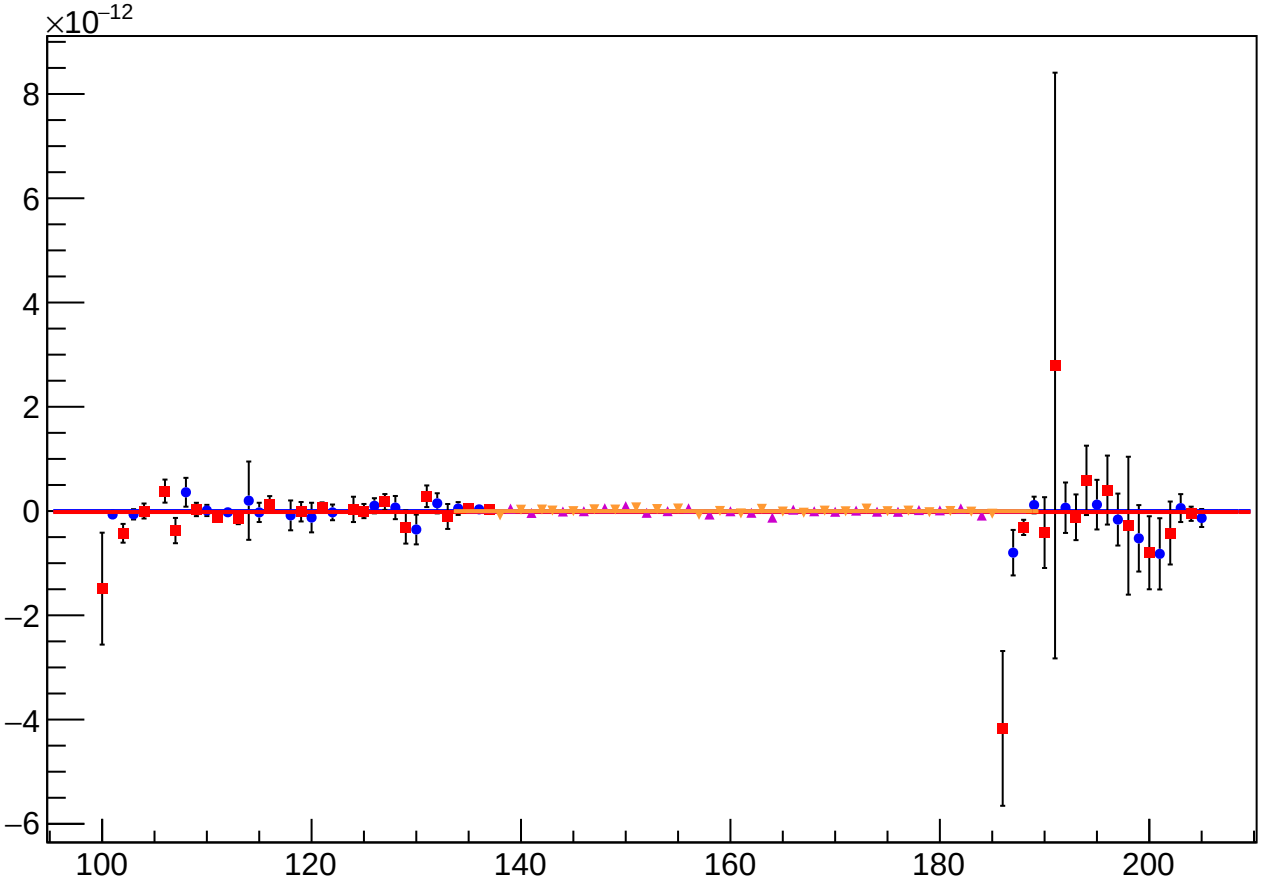
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 921.361+/-0.126 χ^2/NDF: 12880664.0/49

All: 922.543+/-0.090 χ^2/NDF: 27474780.0/10

- sign 923.755+/-0.128 χ^2/NDF: 14593938.2/52

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

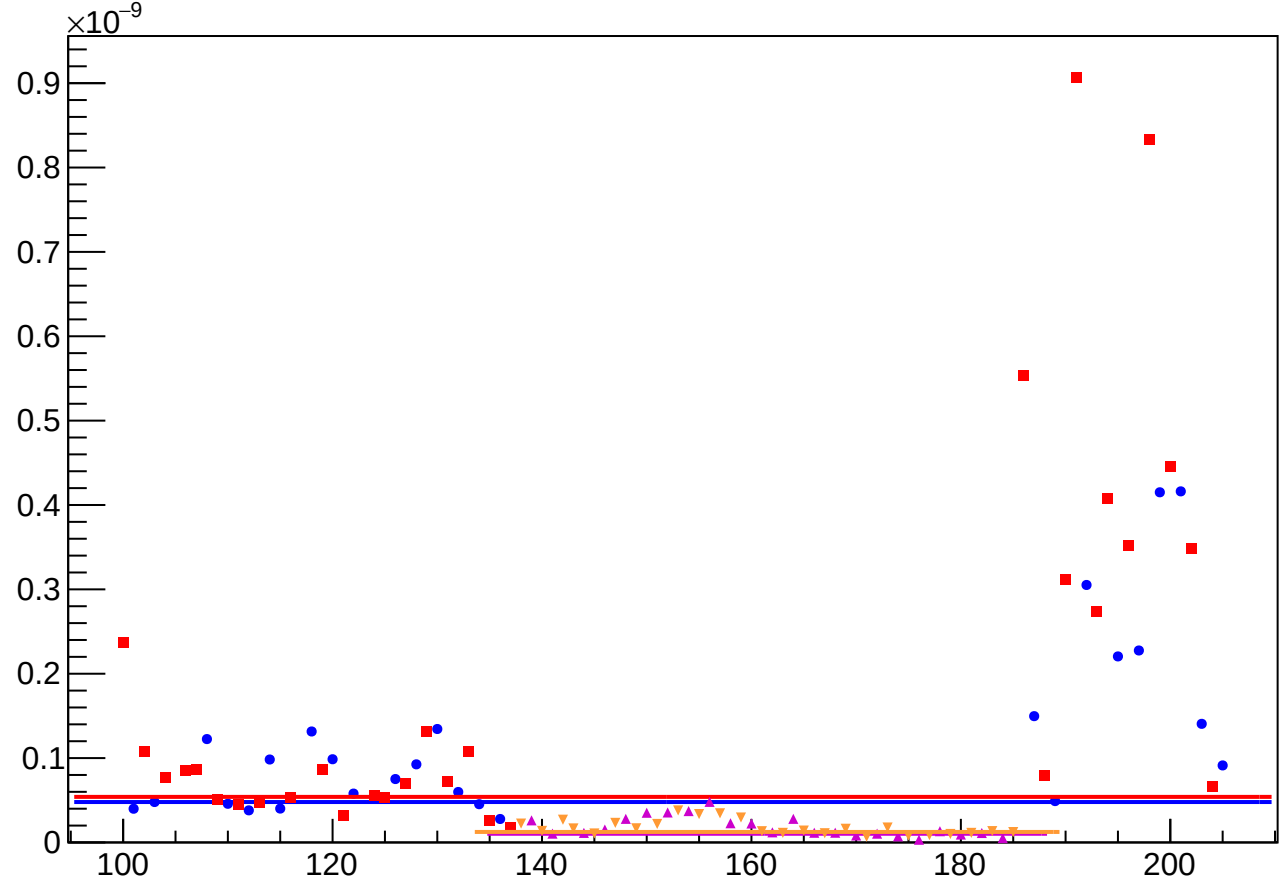
Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/29

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.7/49

All: -0.000+/-0.000 χ^2/NDF: 109.3/102

- sign -0.000+/-0.000 χ^2/NDF: 71.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4041945.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5422036.8/29

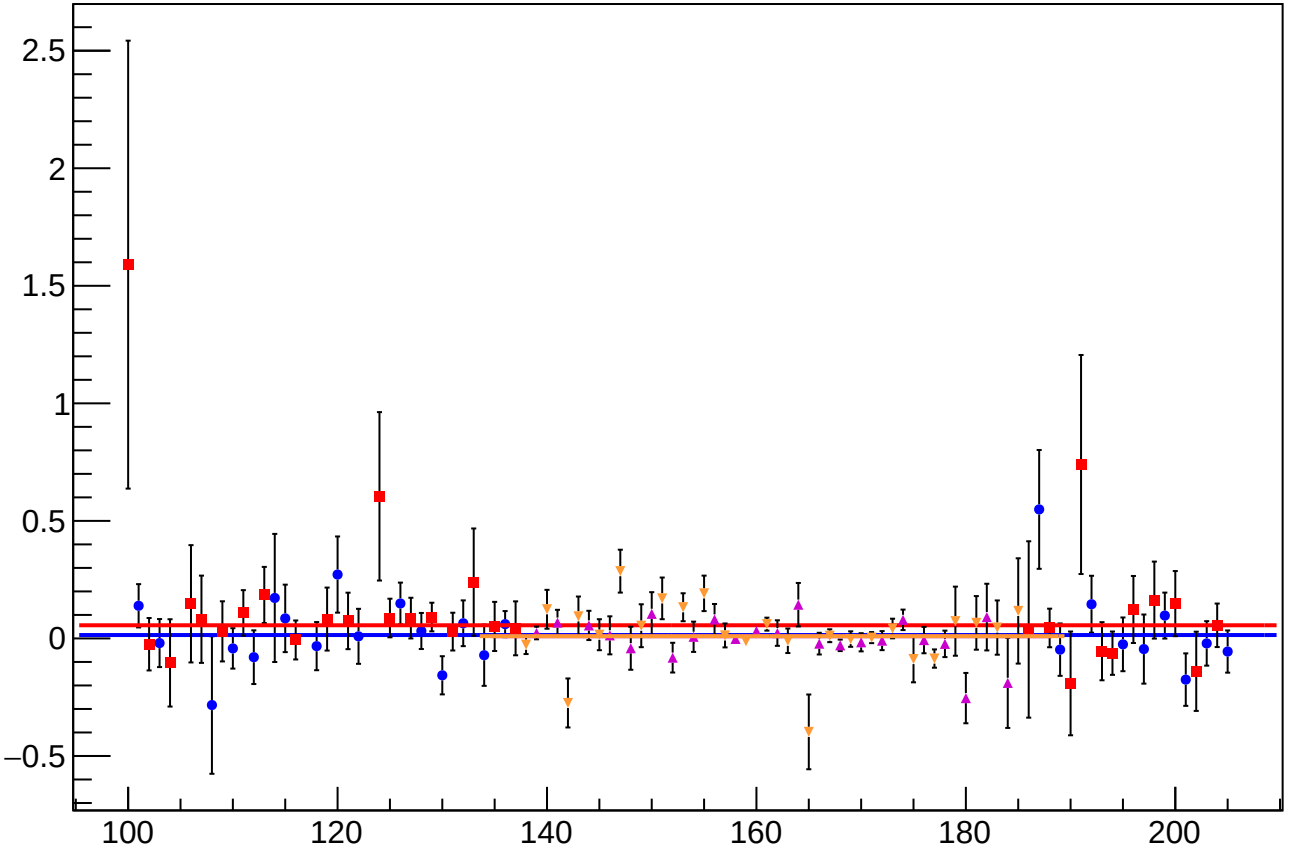
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9760509.9/49

All: 0.000+/-0.000 χ^2/NDF: 23554219.7/102

- sign 0.000+/-0.000 χ^2/NDF: 13583234.5/52

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

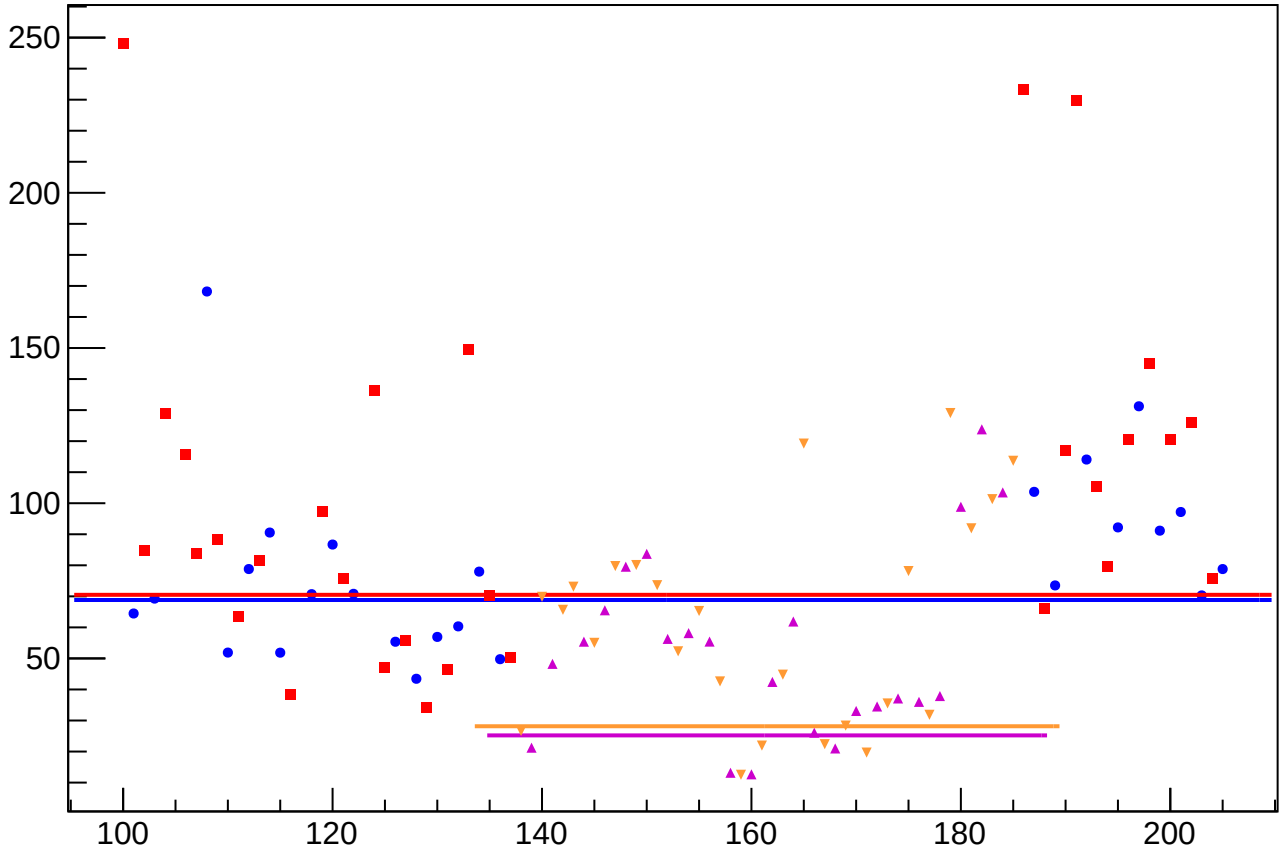
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 128.7/102

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

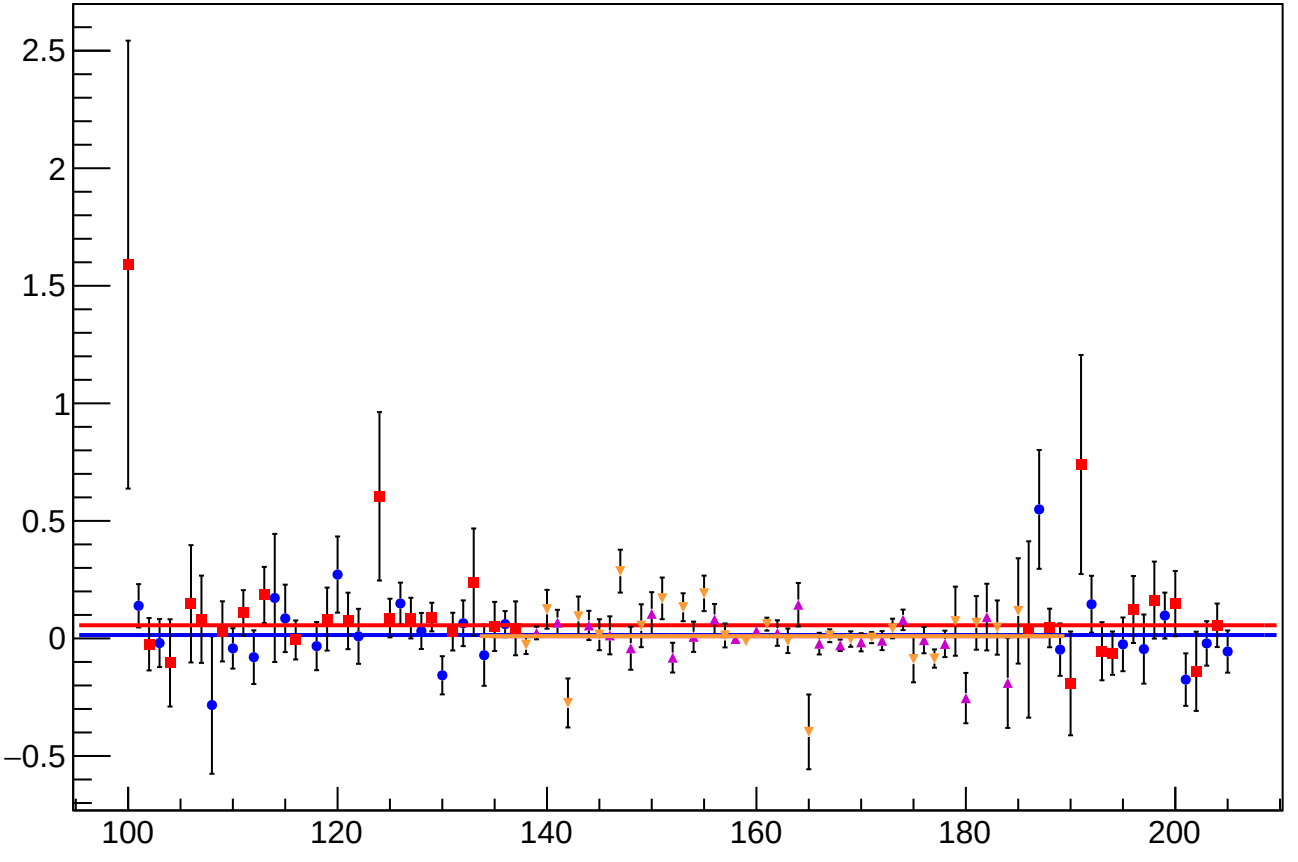
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.006+/-0.006 χ^2/NDF: 19714766.3/49

All: 32.290+/-0.004 χ^2/NDF: 42185245.3/102

- sign 30.745+/-0.005 χ^2/NDF: 22287732.5/52

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

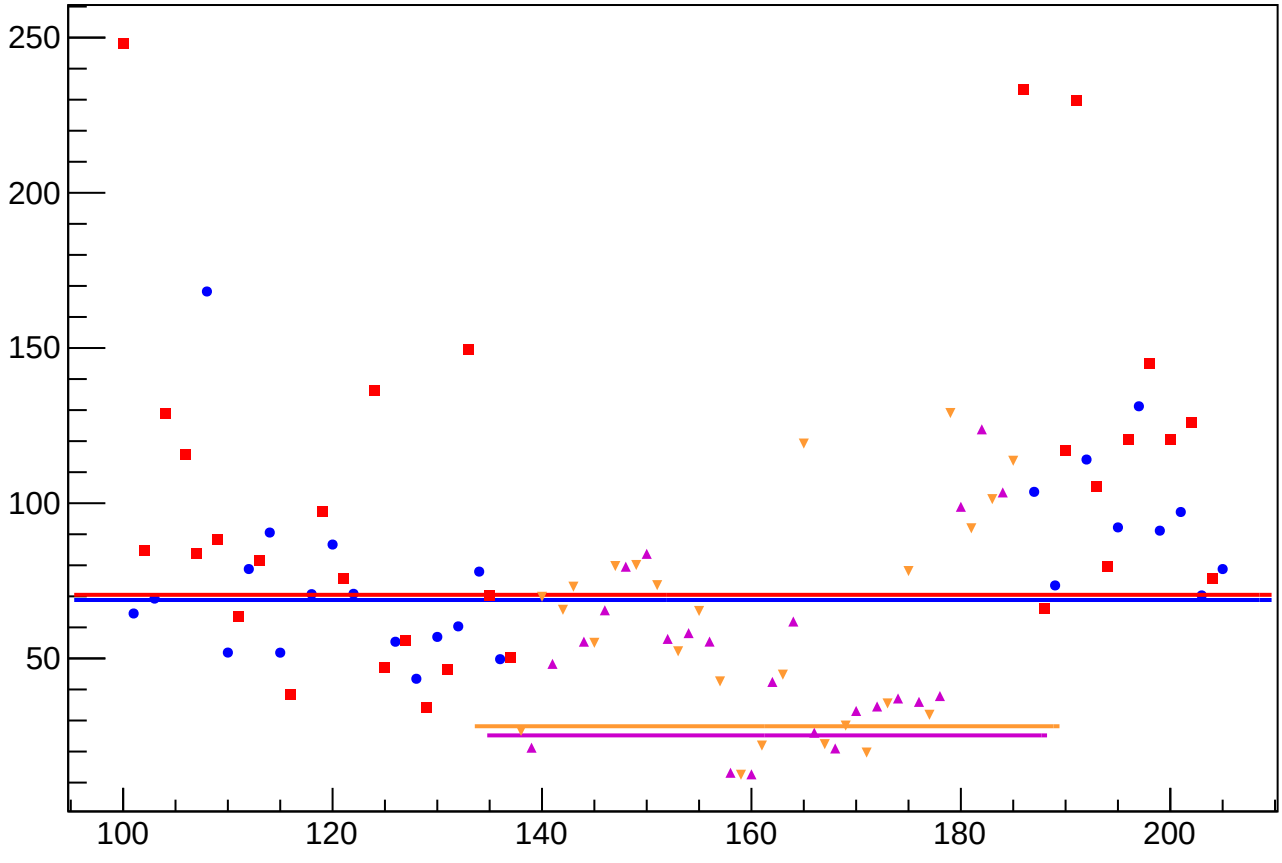
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 128.7/102

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

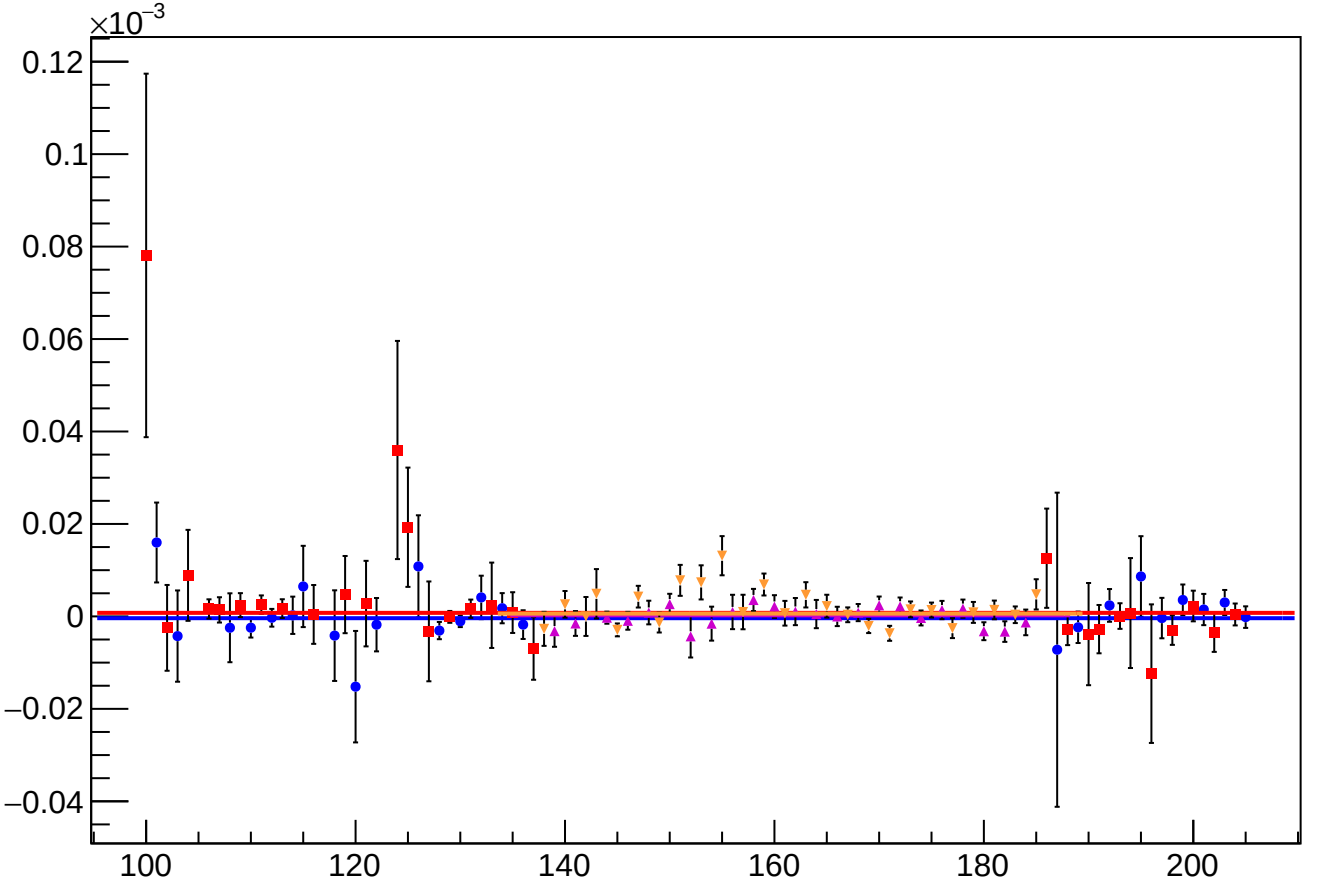
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.006+/-0.006 χ^2/NDF: 19714766.3/49

All: 32.290+/-0.004 χ^2/NDF: 42185245.3/102

- sign 30.745+/-0.005 χ^2/NDF: 22287732.5/52

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/29

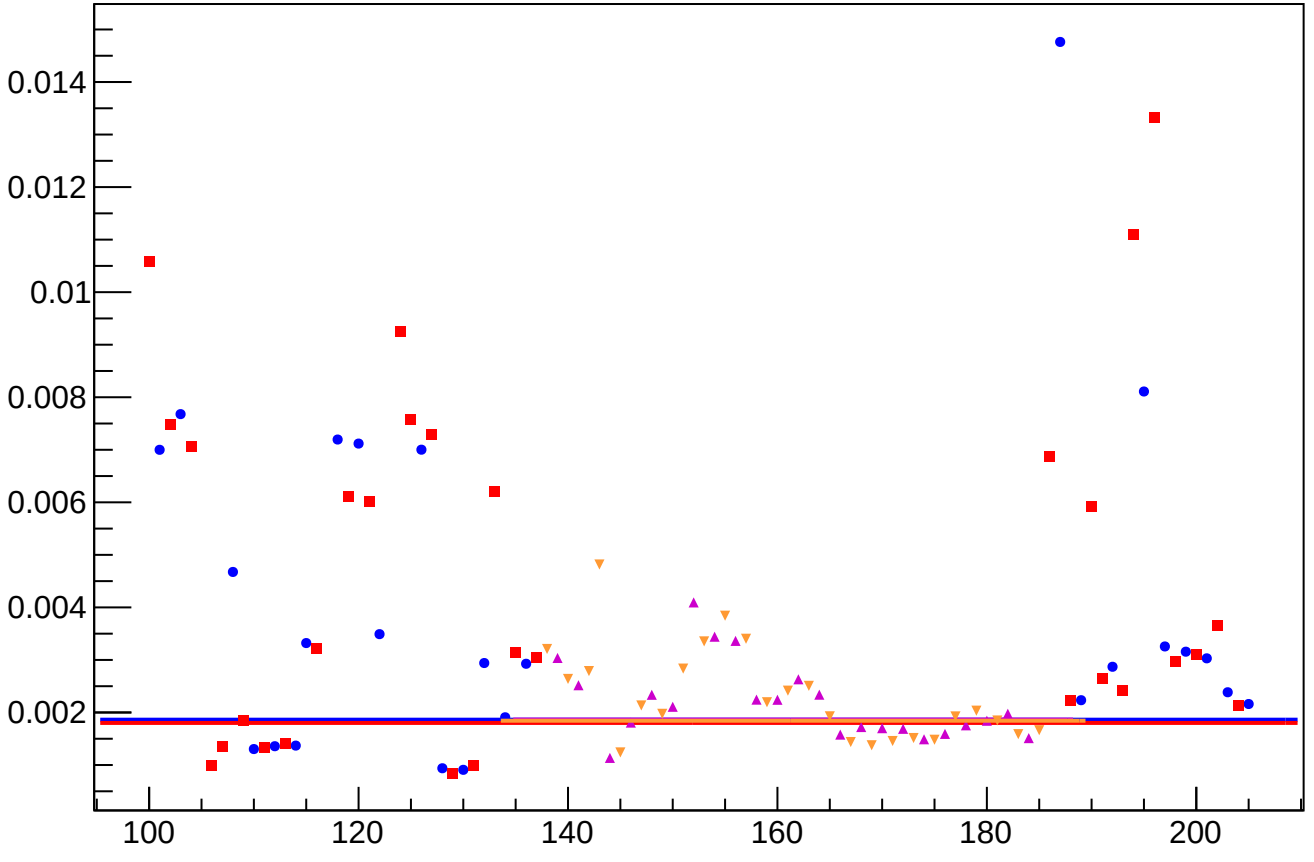
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/49

All: 0.000+/-0.000 χ^2/NDF: 107.9/102

- sign 0.000+/-0.000 χ^2/NDF: 36.4/52

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7955901.1/24

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10625970.3/29

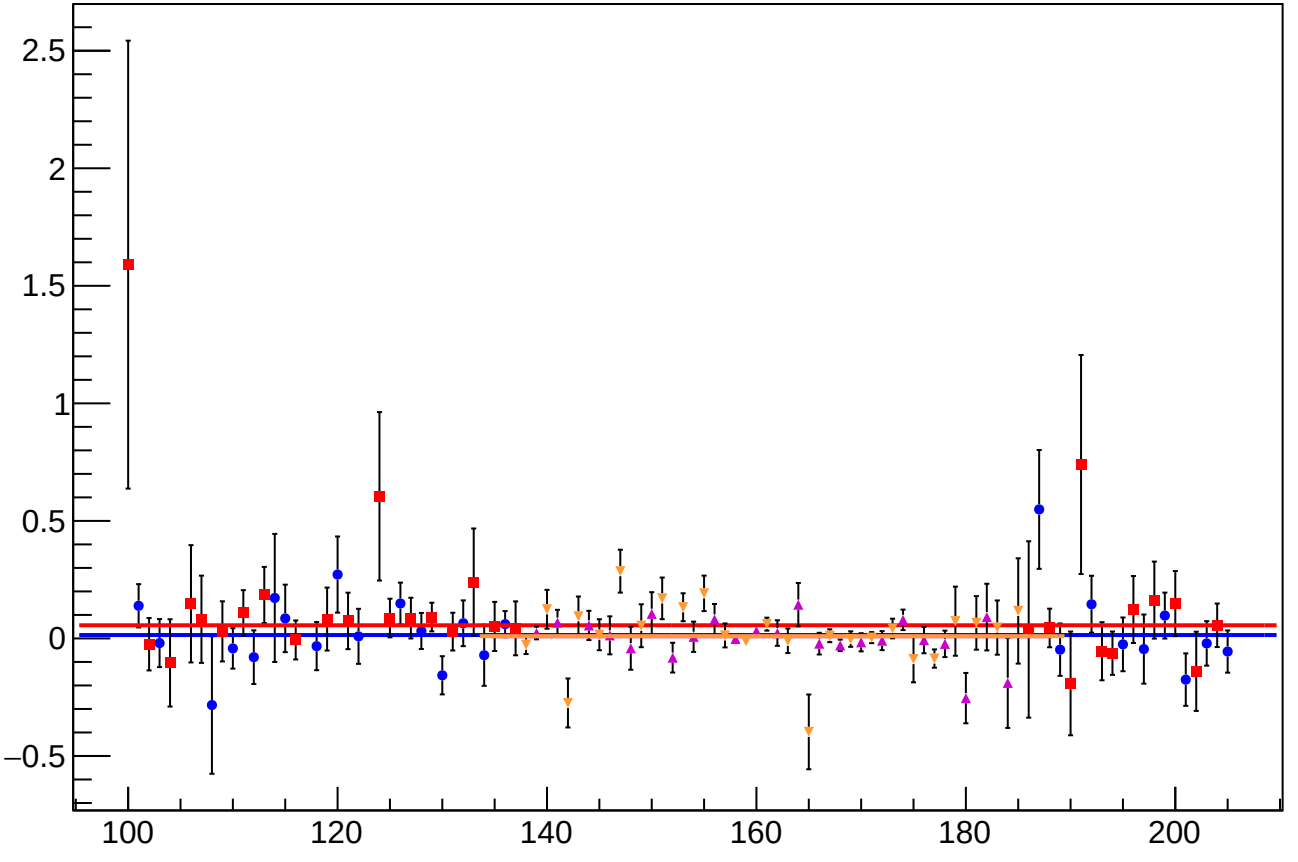
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11740371.4/49

All: 0.002+/-0.000 χ^2/NDF: 25175189.2/102

- sign 0.002+/-0.000 χ^2/NDF: 13434307.1/52

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

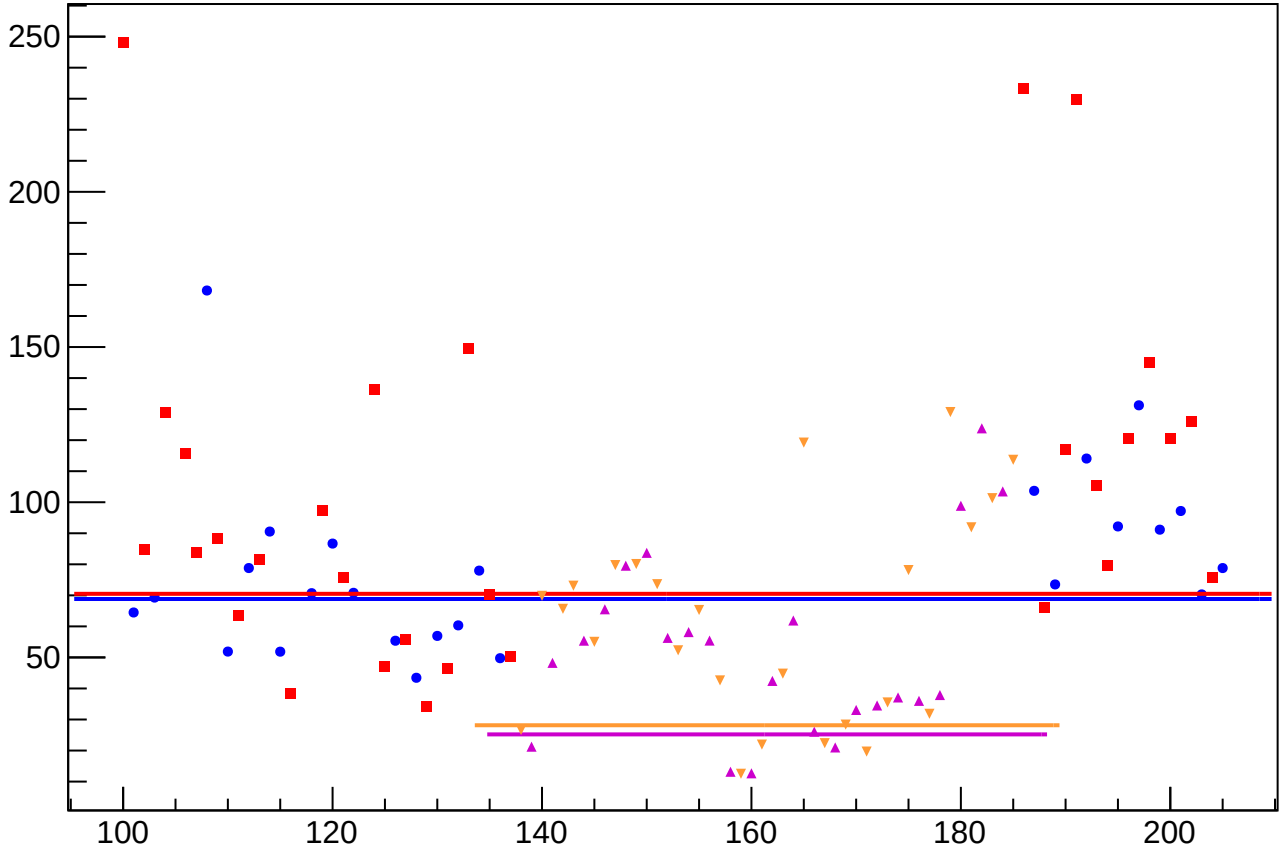
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 128.7/102

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

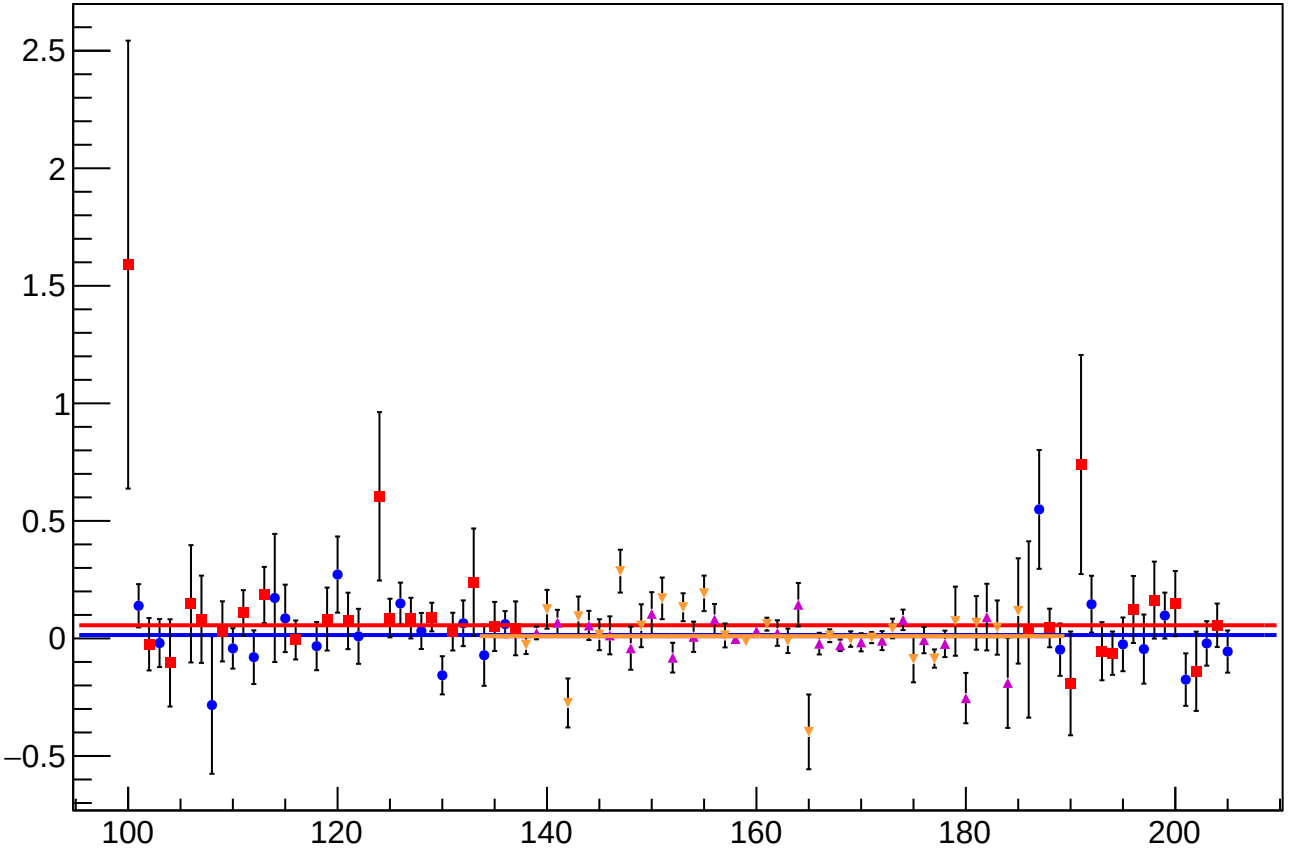
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 34.005+/-0.006 χ^2/NDF: 19716316.2/49

All: 32.289+/-0.004 χ^2/NDF: 42187547.0/102

- sign 30.745+/-0.005 χ^2/NDF: 22288578.1/52

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.056+/-0.021 χ^2/NDF: 18.2/29

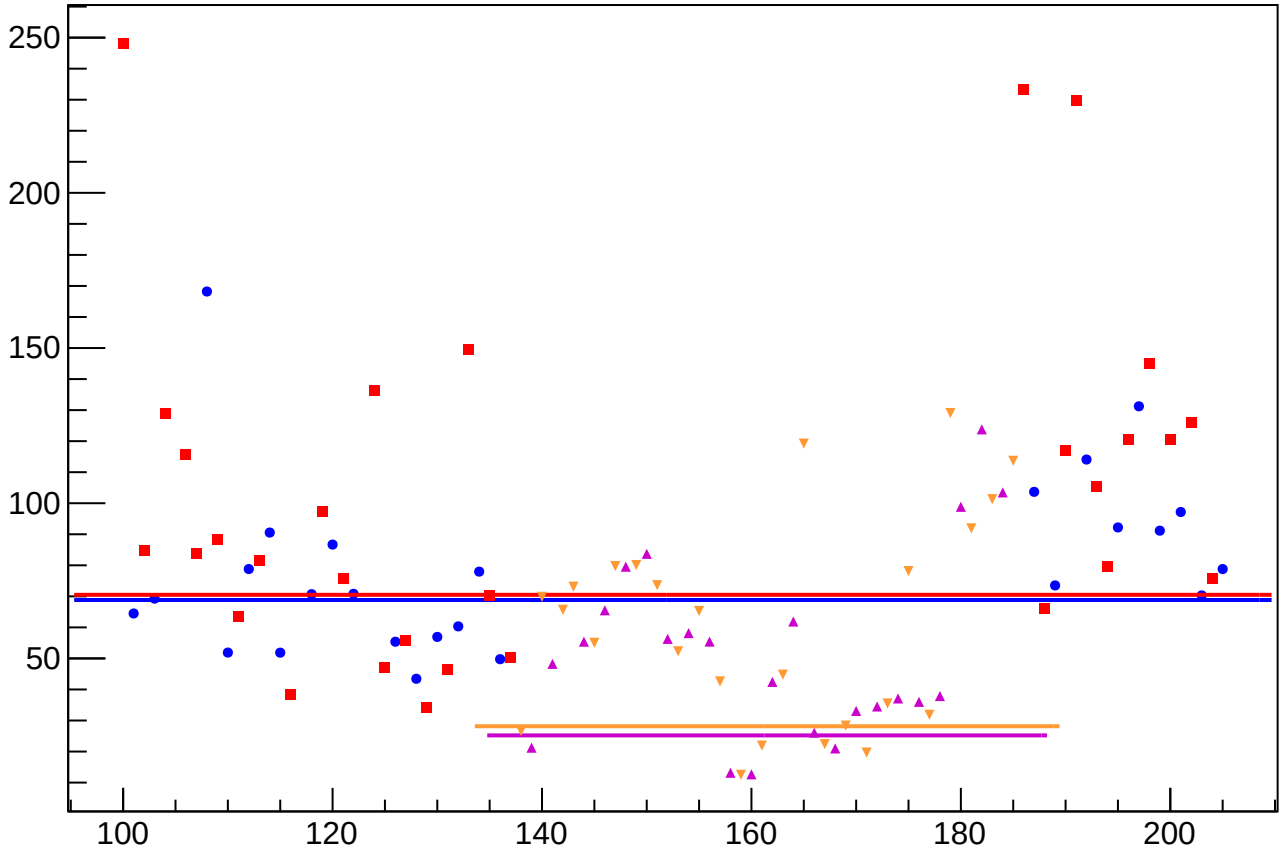
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 128.7/102

- sign 0.015+/-0.007 χ^2/NDF: 47.6/52

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

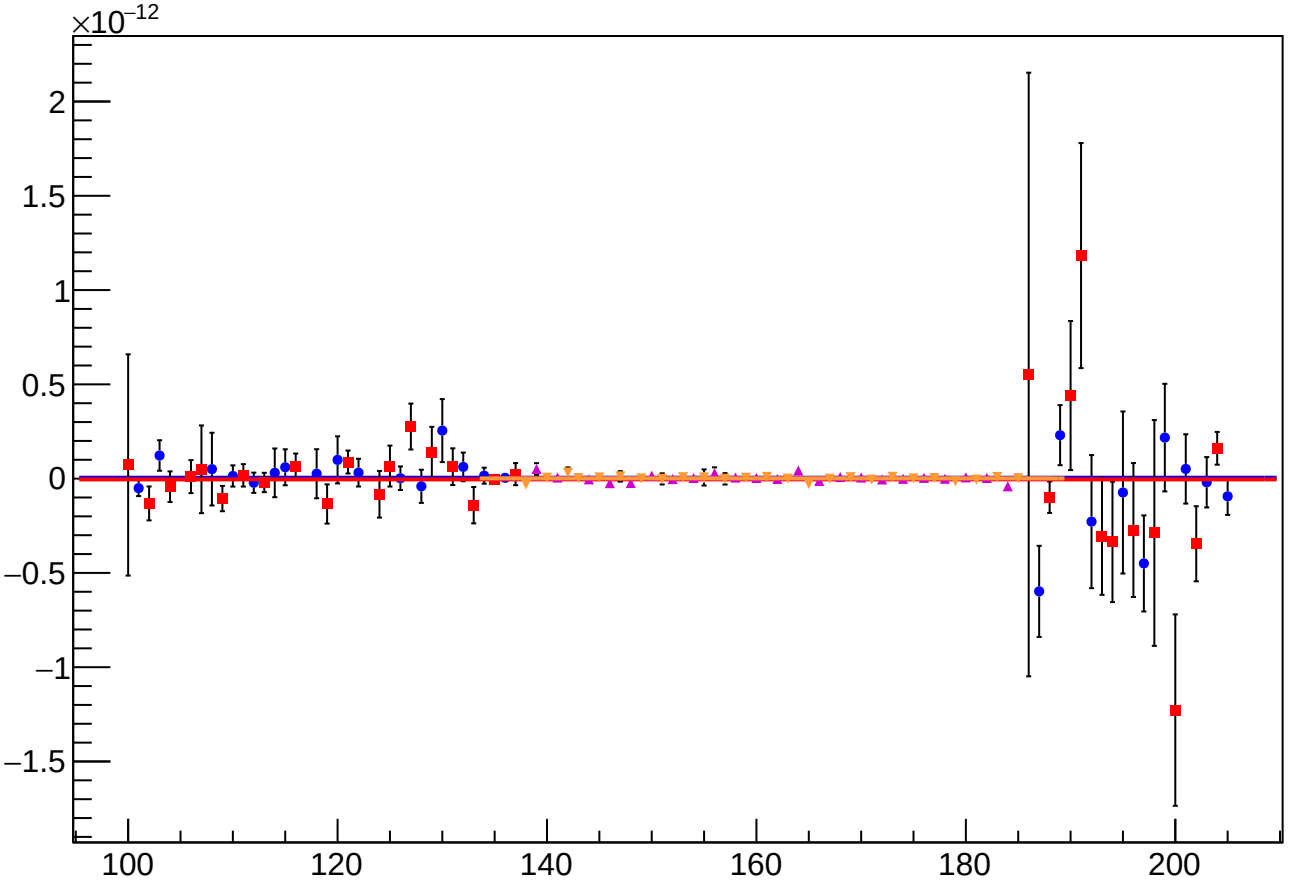
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 34.005+/-0.006 χ^2/NDF: 19716316.2/49

All: 32.289+/-0.004 χ^2/NDF: 42187547.0/102

- sign 30.745+/-0.005 χ^2/NDF: 22288578.1/52

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/29

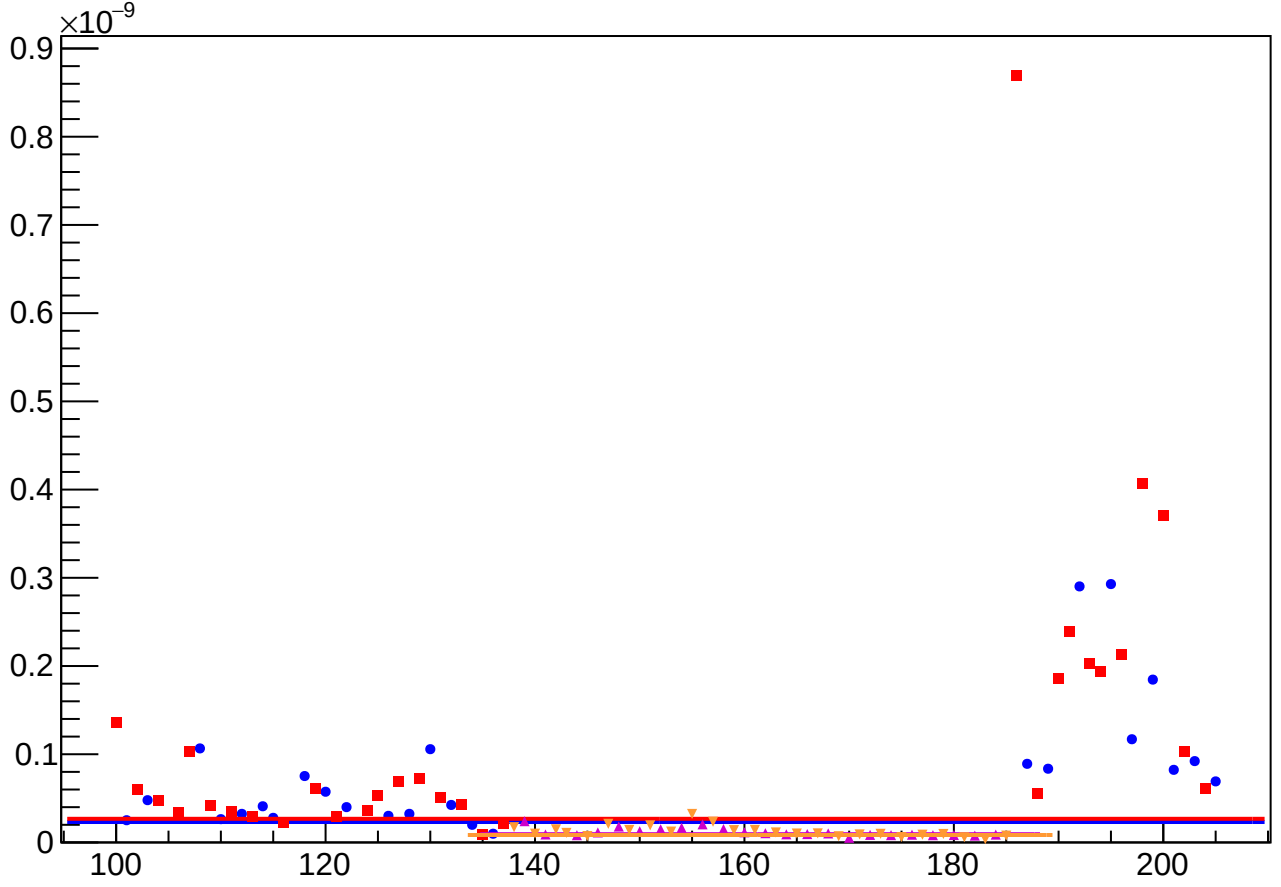
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/49

All: 0.000+/-0.000 χ^2/NDF: 95.8/102

- sign 0.000+/-0.000 χ^2/NDF: 62.5/52

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7706586.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9117081.7/29

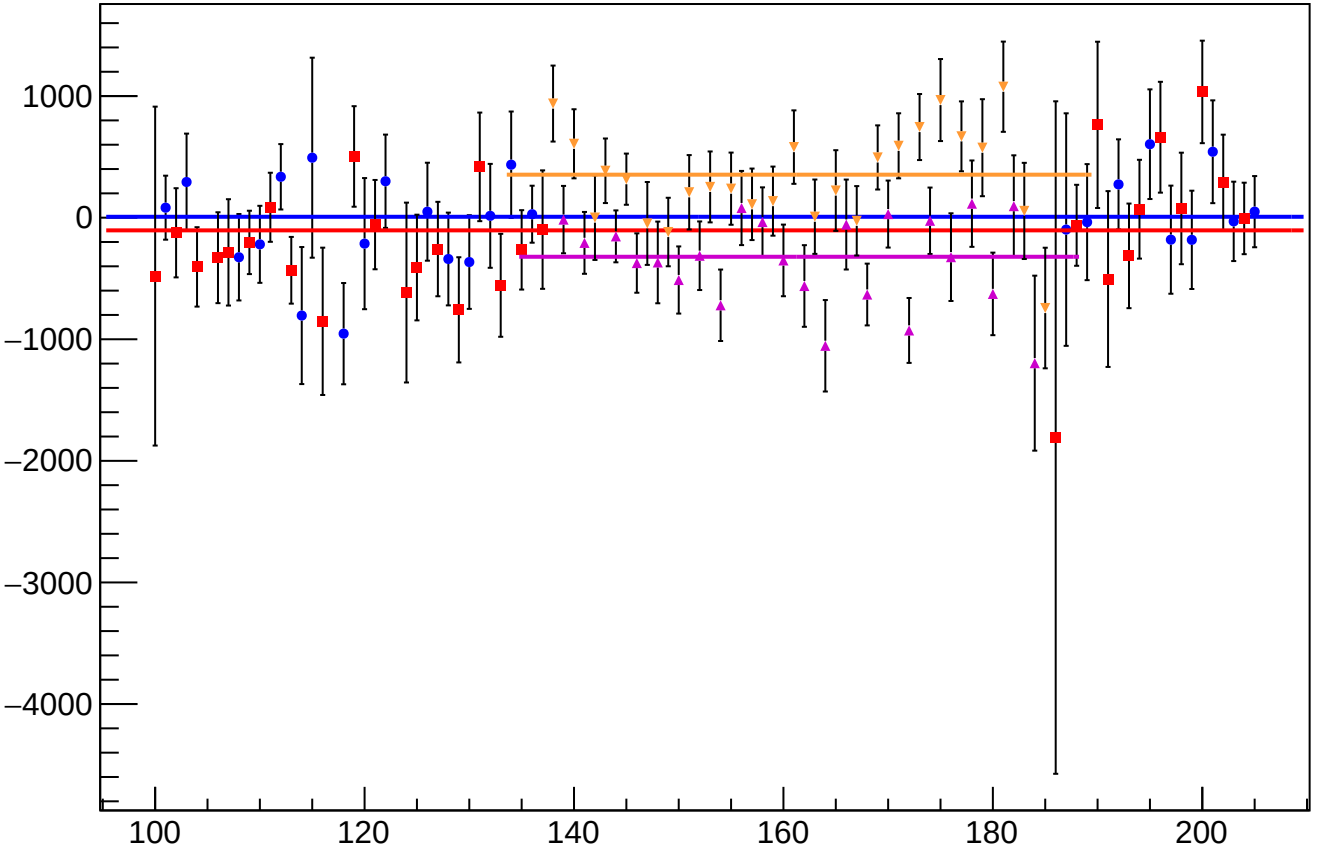
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14956892.4/49

All: 0.000+/-0.000 χ^2/NDF: 29715841.9/102

- sign 0.000+/-0.000 χ^2/NDF: 14622811.3/52

reg_asym_sam4_mean vs Slug



Right In: 7.348+/-75.103 χ^2/NDF: 19.0/24

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -104.384+/-73.082 χ^2/NDF: 27.4/29

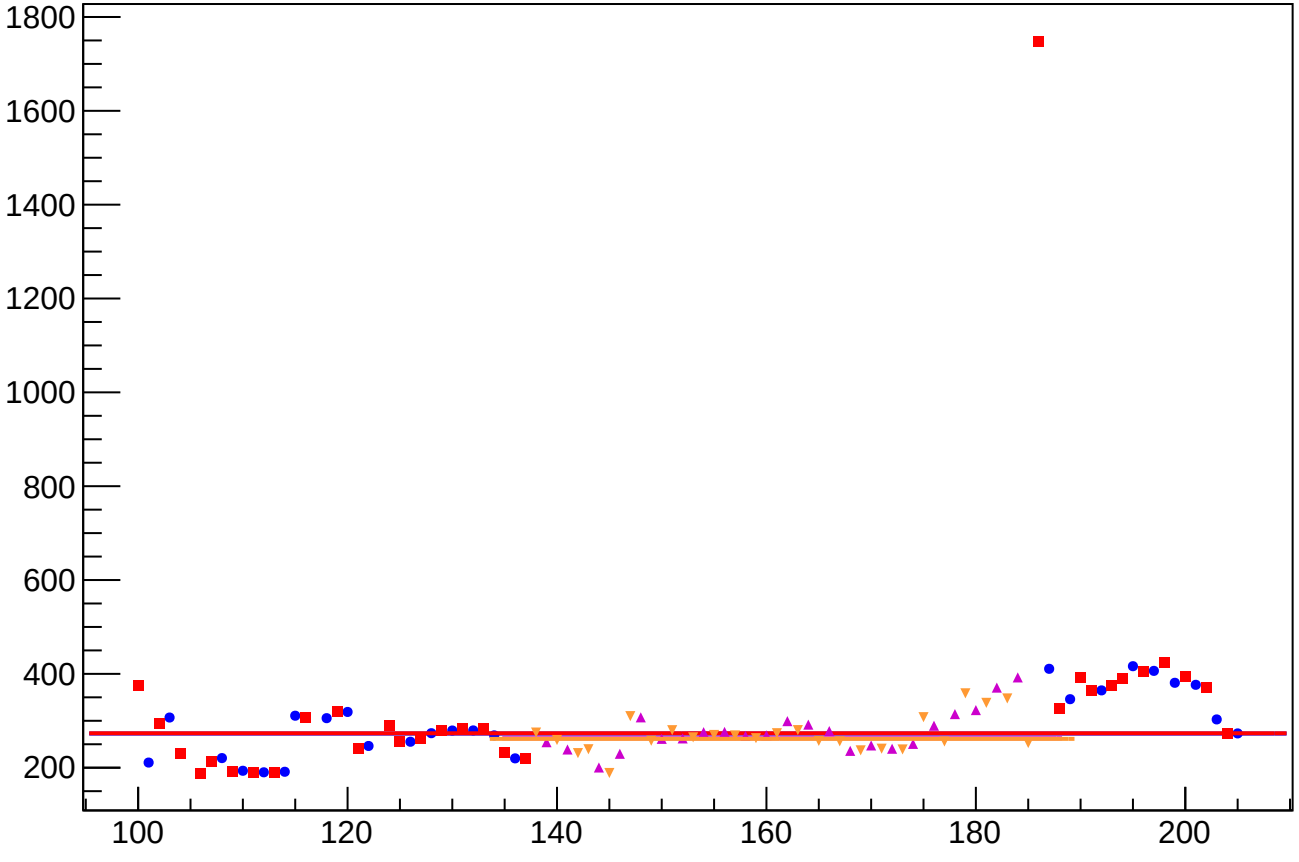
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 218.306+/-46.948 χ^2/NDF: 64.3/49

All: -4.261+/-33.331 χ^2/NDF: 168.4/102

- sign -230.448+/-47.328 χ^2/NDF: 58.8/52

reg_asym_sam4_rms vs Slug



Right In: 272.758+/-0.053 χ^2/NDF: 1548289.2/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.390+/-0.052 χ^2/NDF: 2520043.6/29

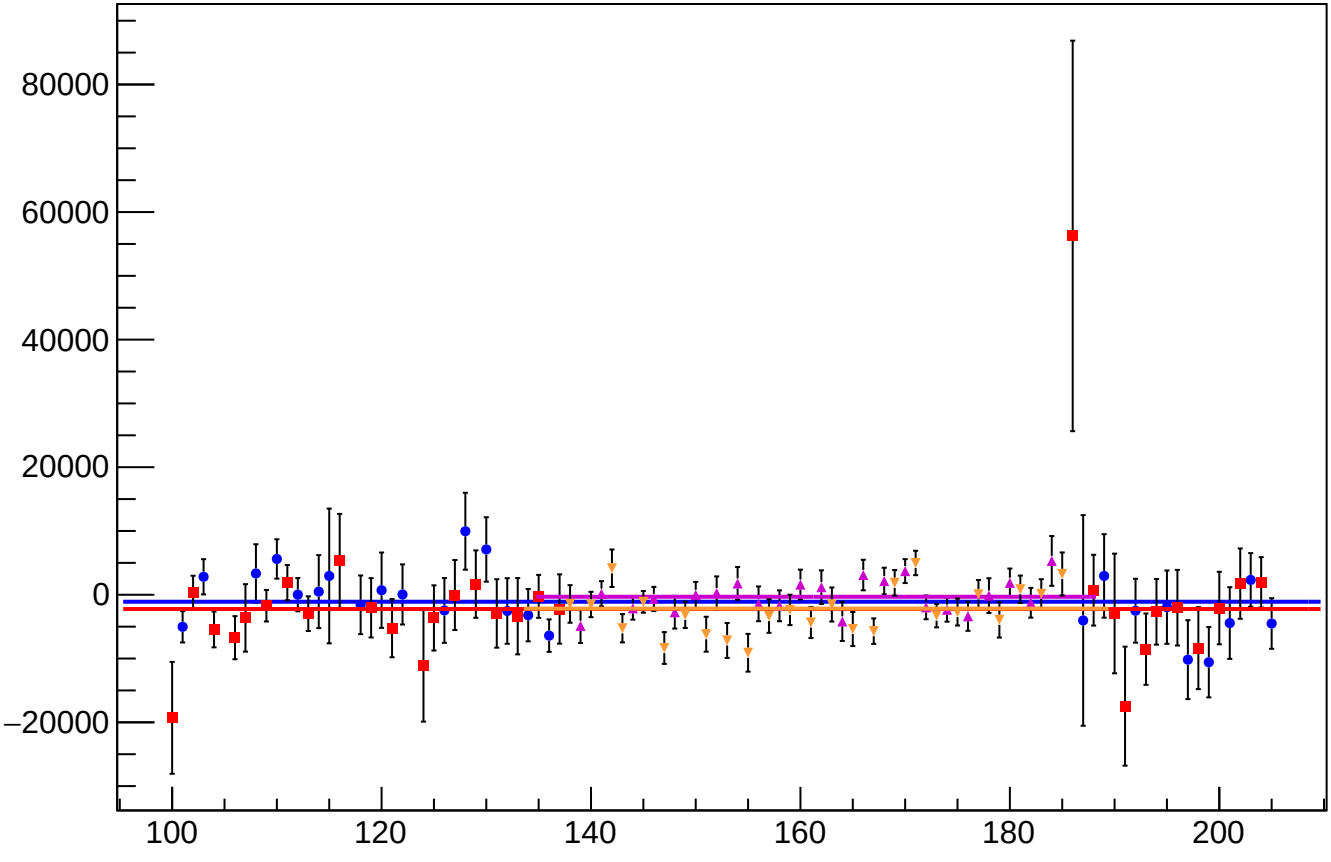
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 265.881+/-0.033 χ^2/NDF: 2291286.1/49

All: 266.503+/-0.024 χ^2/NDF: 5507920.1/102

- sign 267.135+/-0.033 χ^2/NDF: 3215926.8/52

asym_sam4_reg_correction_mean vs Slug



Right In: -1093.657+/-838.644 χ^2/NDF: 28.9/24

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2236.334+/-801.263 χ^2/NDF: 24.3/29

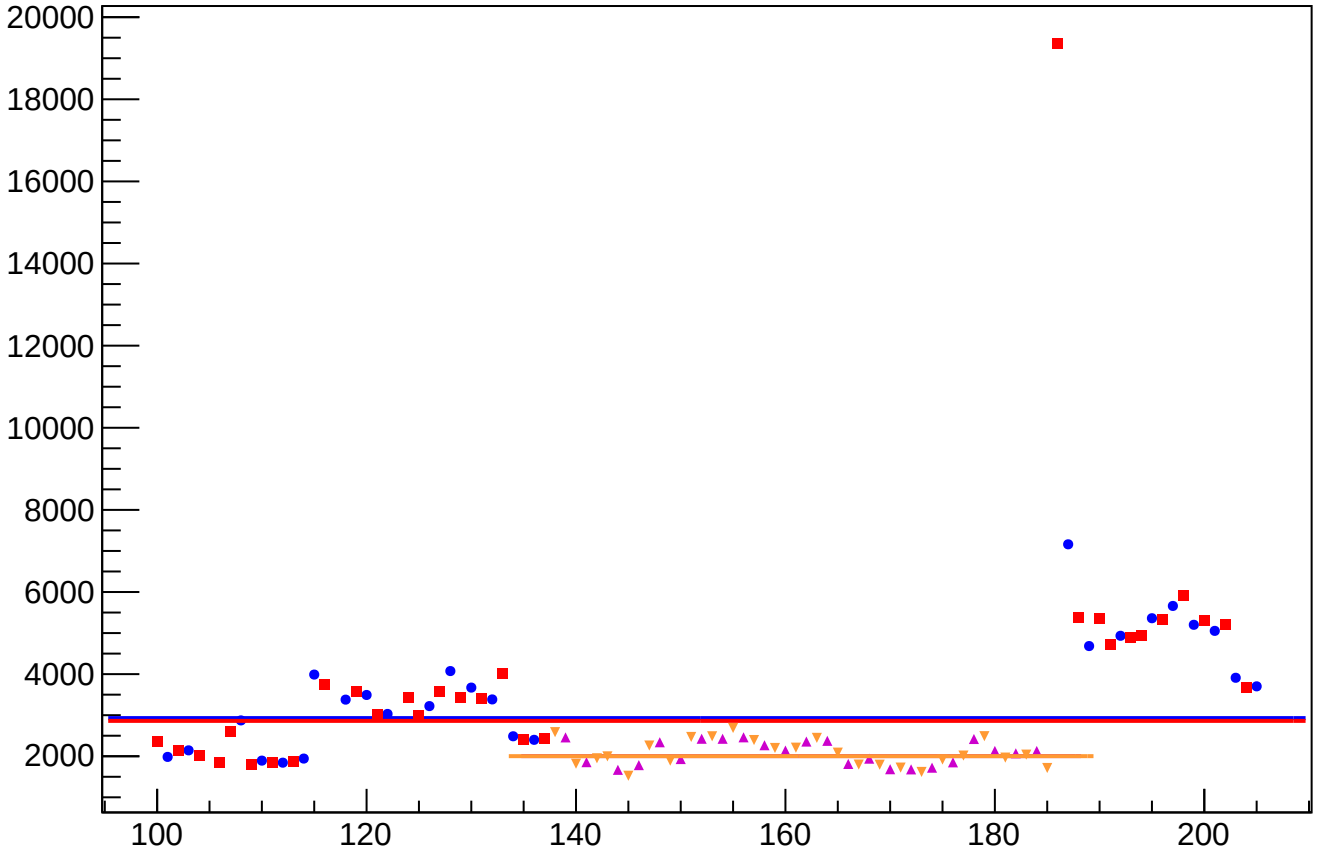
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1921.108+/-404.424 χ^2/NDF: 85.7/49

All: -1371.593+/-287.233 χ^2/NDF: 141.7/102

- sign -812.271+/-408.016 χ^2/NDF: 52.2/52

asym_sam4_reg_correction_rms vs Slug



Right In: 2929.094+/-0.593 χ^2/NDF: 3549126.3/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2861.545+/-0.567 χ^2/NDF: 5134375.4/29

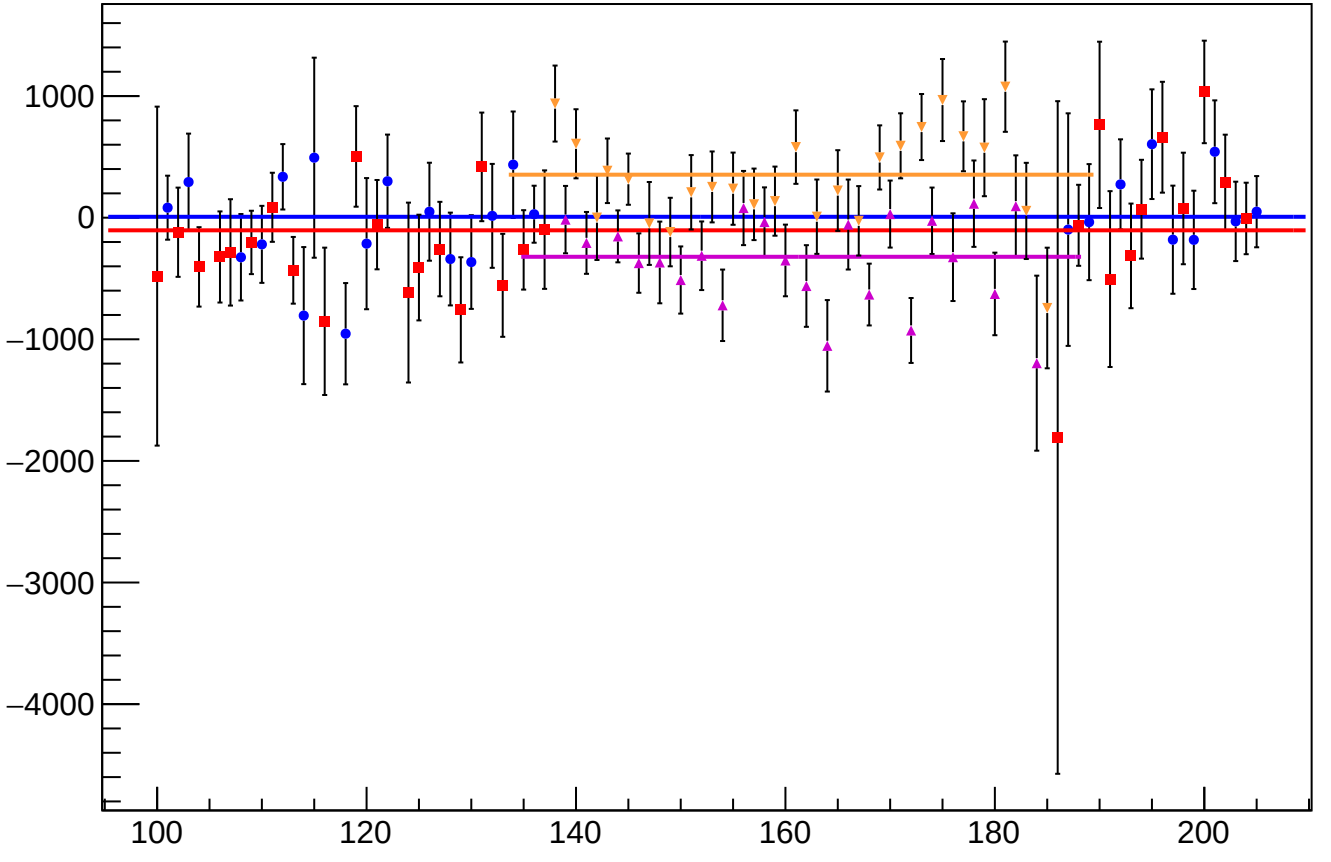
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2217.772+/-0.286 χ^2/NDF: 6316644.7/49

All: 2222.119+/-0.203 χ^2/NDF: 13852258.0/1

- sign 2226.543+/-0.289 χ^2/NDF: 7535147.1/52

cor_asym_sam4_mean vs Slug



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -103.918+/-73.090 χ^2/NDF: 27.4/29

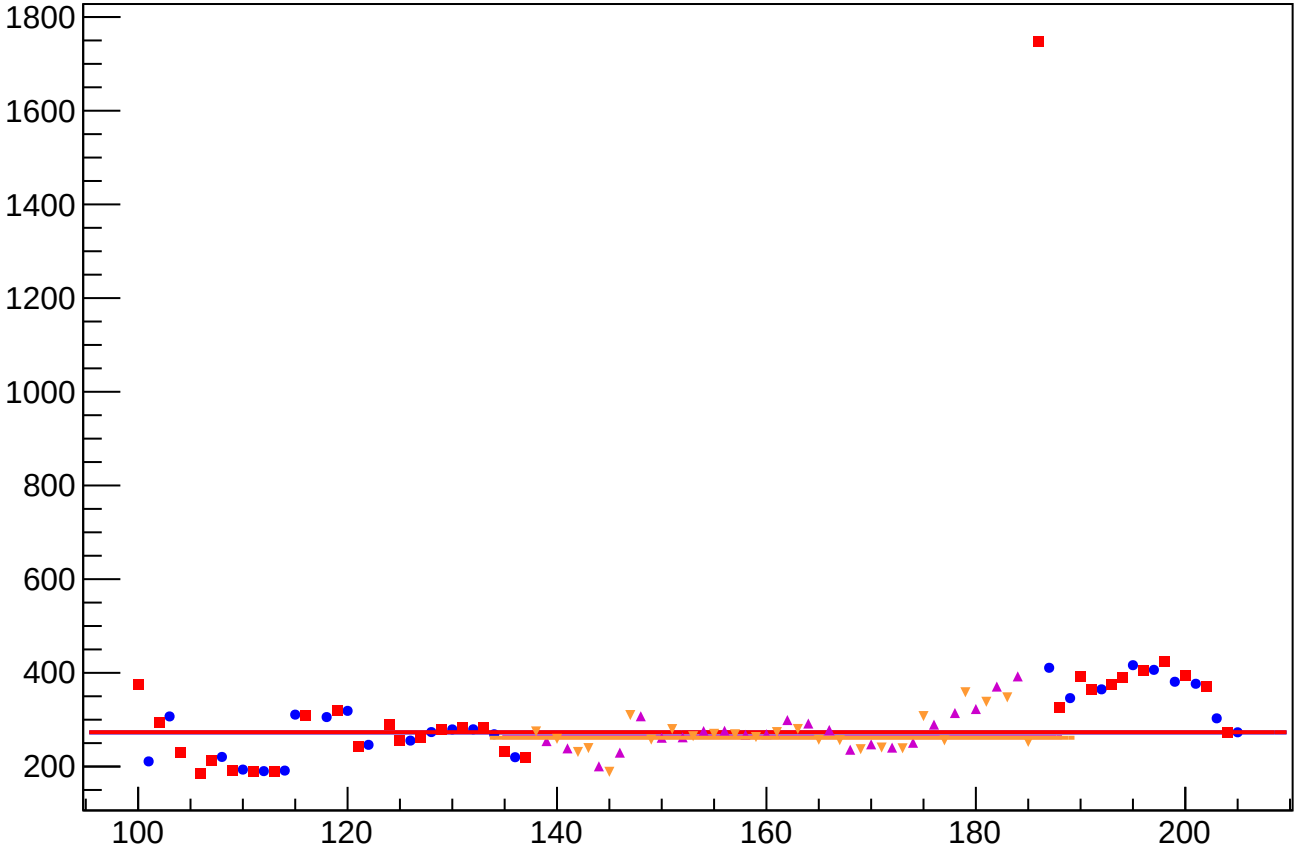
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 218.312+/-46.948 χ^2/NDF: 64.3/49

All: -4.157+/-33.332 χ^2/NDF: 168.4/102

- sign -230.267+/-47.331 χ^2/NDF: 58.8/52

cor_asym_sam4_rms vs Slug



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

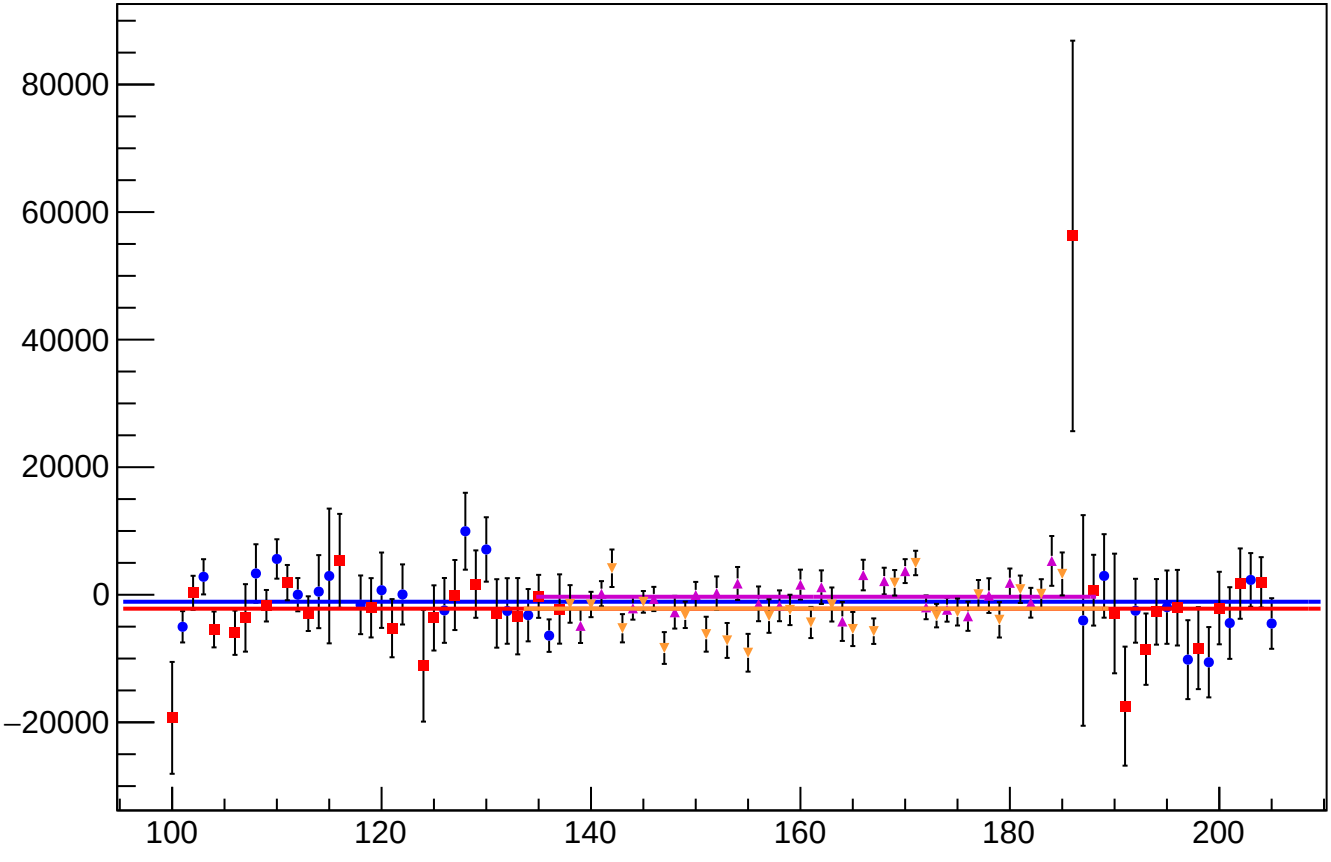
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.881+/-0.033 χ^2/NDF: 2291287.7/49

All: 266.487+/-0.024 χ^2/NDF: 5513360.6/102

- sign 267.102+/-0.033 χ^2/NDF: 3221401.7/52

asym_sam4_cor_correction_mean vs Slug



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2182.482+/-802.479 χ^2/NDF: 23.7/29

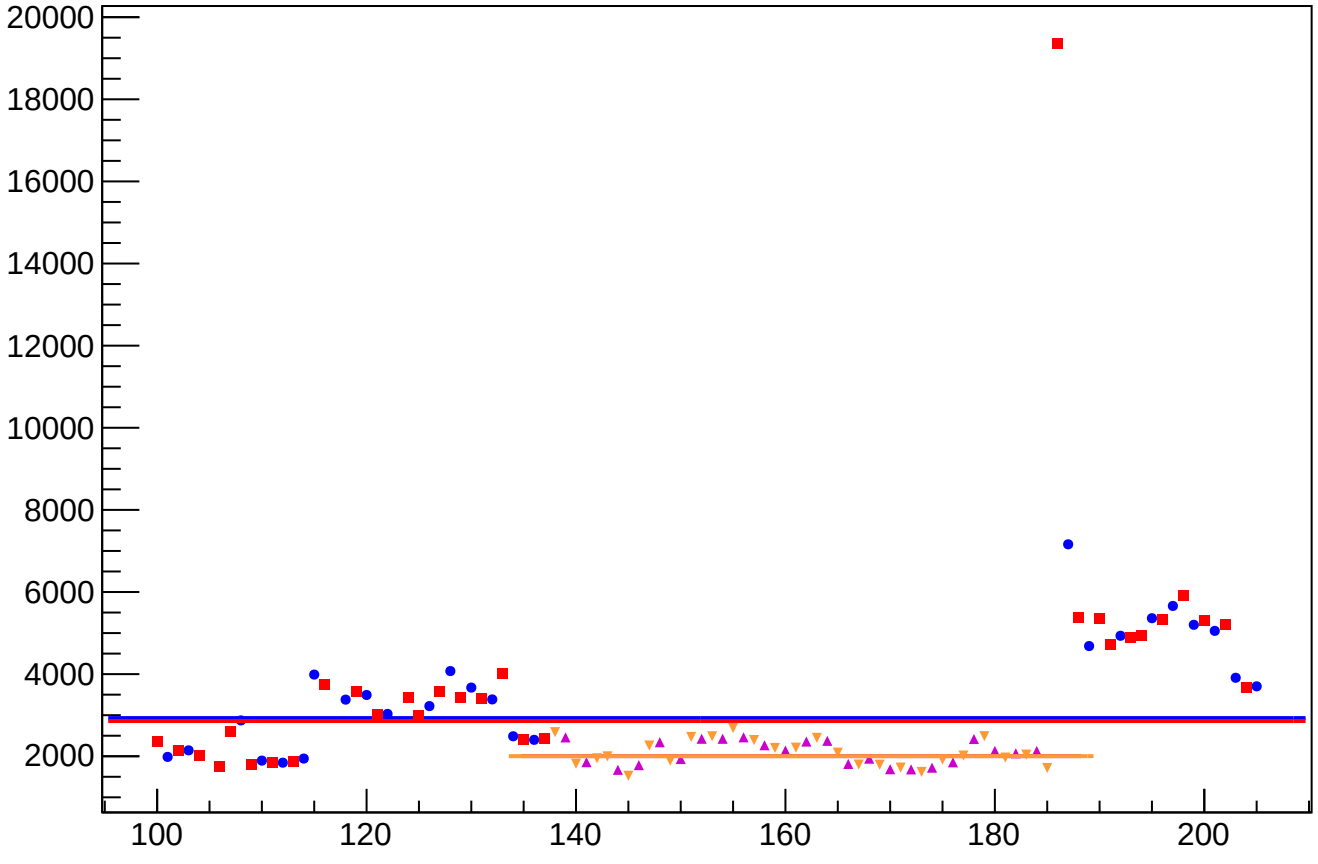
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1921.120+/-404.424 χ^2/NDF: 85.7/49

All: -1364.362+/-287.289 χ^2/NDF: 140.9/102

- sign -797.223+/-408.177 χ^2/NDF: 51.4/52

asym_sam4_cor_correction_rms vs Slug



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

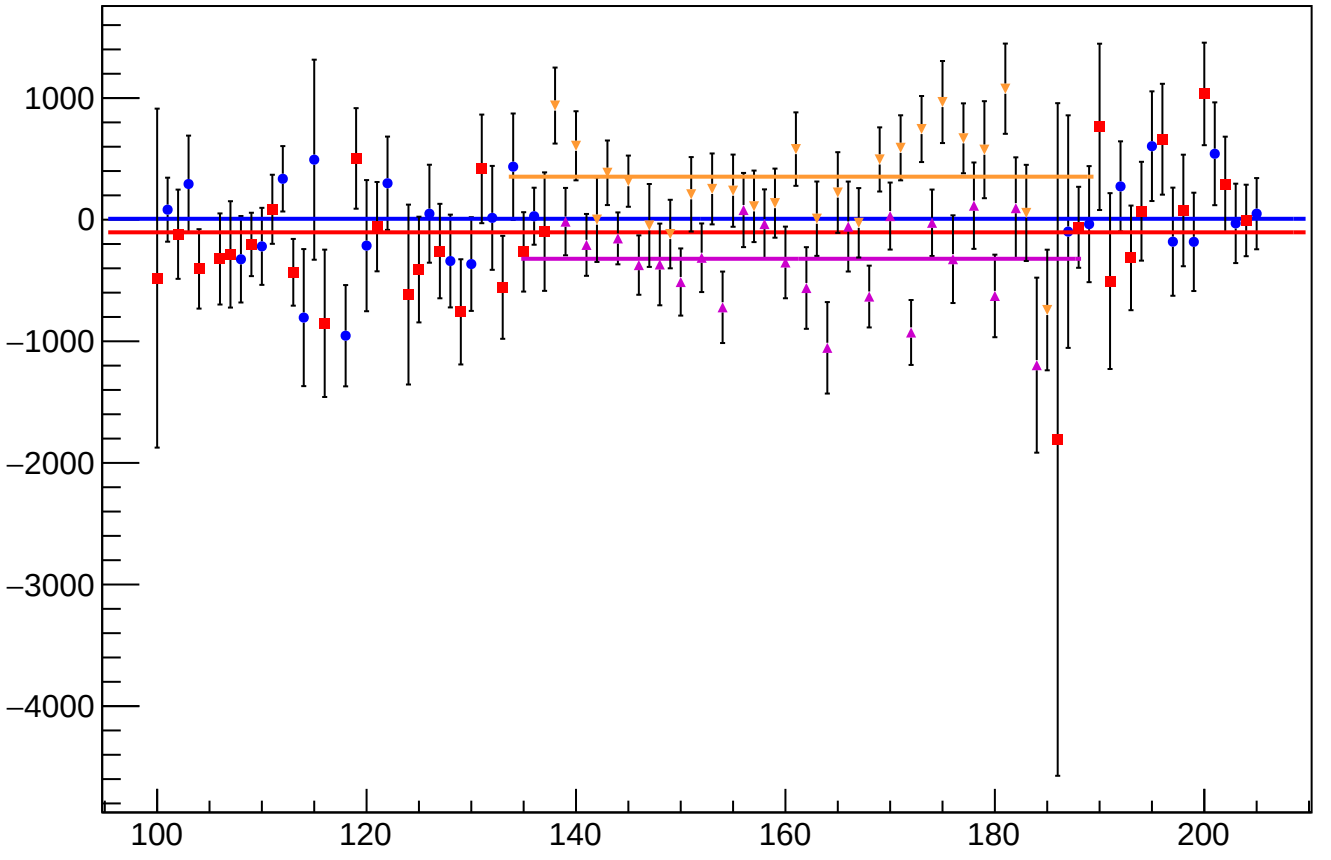
Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2217.776+/-0.286 χ^2/NDF: 6316638.3/49

All: 2221.507+/-0.203 χ^2/NDF: 13866674.1/1

- sign 2225.308+/-0.289 χ^2/NDF: 7549692.2/52



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -103.918+/-73.090 χ^2/NDF: 27.4/29

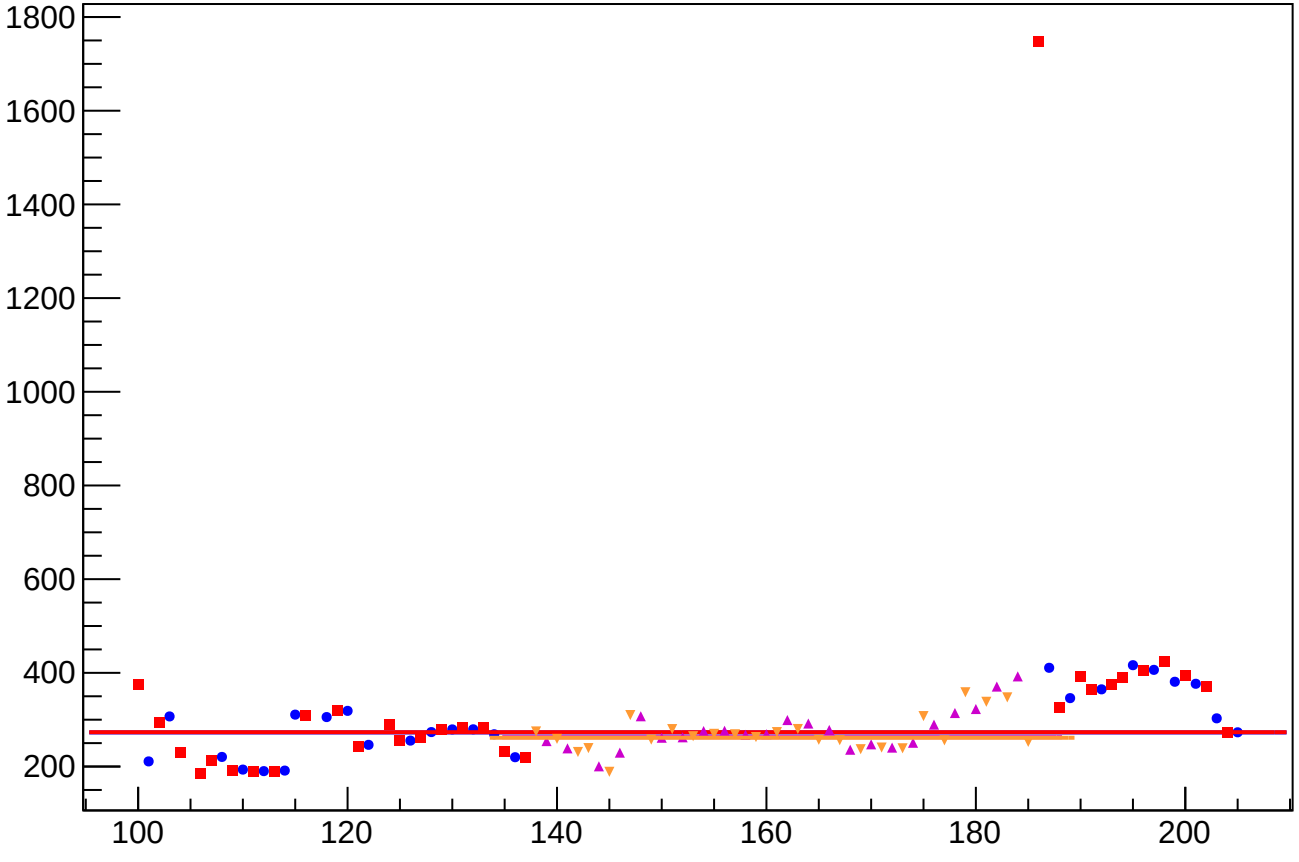
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 218.312+/-46.948 χ^2/NDF: 64.3/49

All: -4.157+/-33.332 χ^2/NDF: 168.4/102

- sign -230.267+/-47.331 χ^2/NDF: 58.8/52

eigen_cor_asym_sam4_rms vs Slug



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

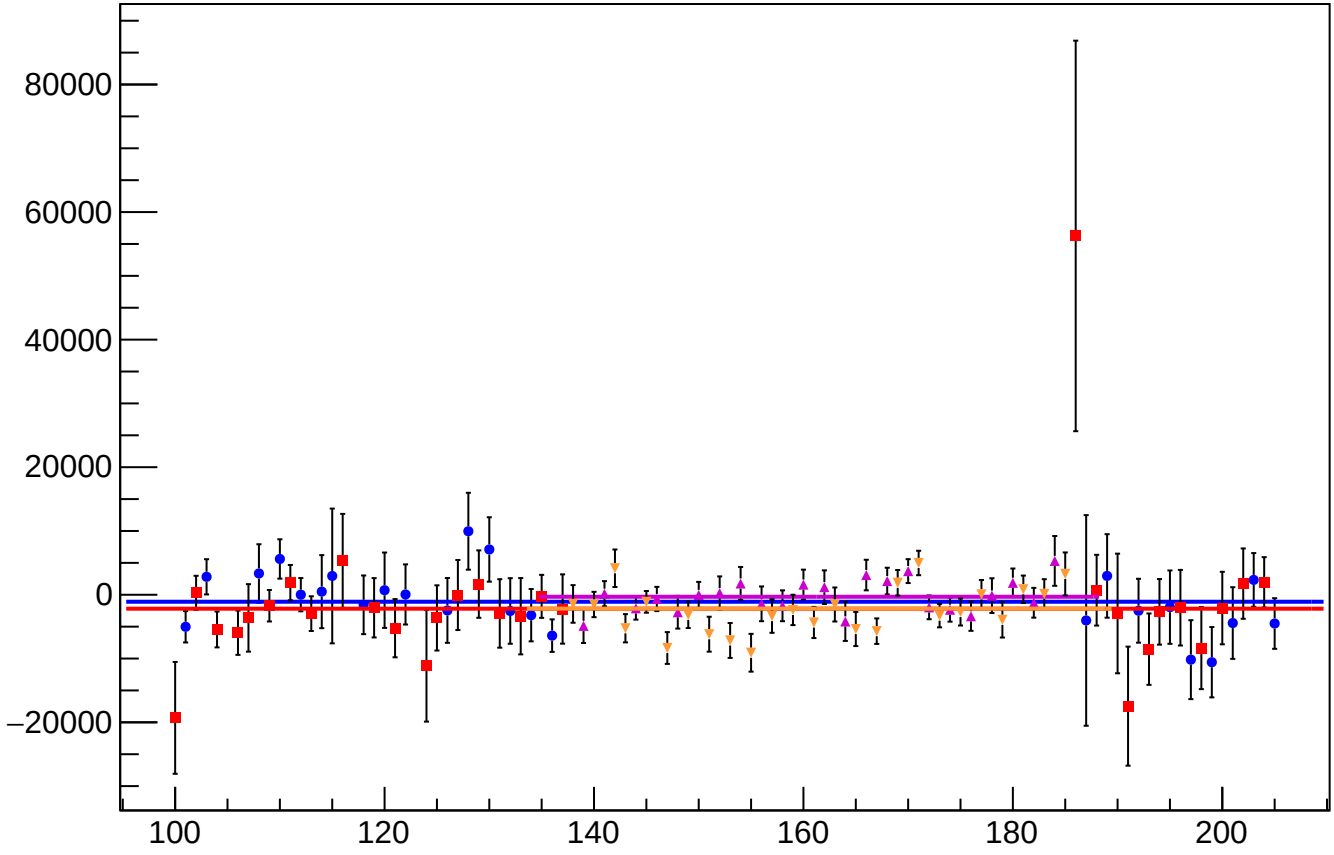
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.881+/-0.033 χ^2/NDF: 2291287.7/49

All: 266.487+/-0.024 χ^2/NDF: 5513360.6/102

- sign 267.102+/-0.033 χ^2/NDF: 3221401.7/52

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2182.482+/-802.479 χ^2/NDF: 23.7/29

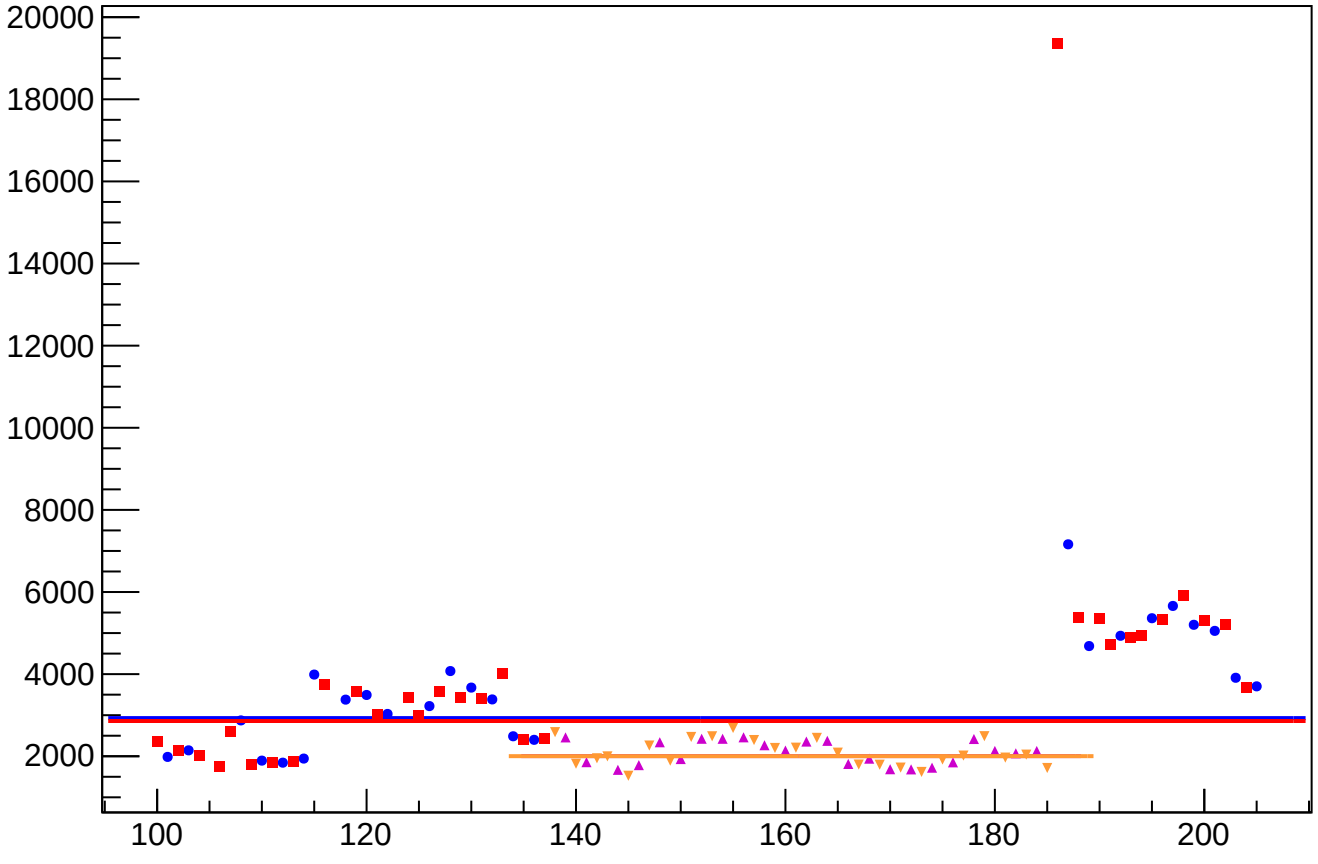
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1921.120+/-404.424 χ^2/NDF: 85.7/49

All: -1364.362+/-287.289 χ^2/NDF: 140.9/102

- sign -797.223+/-408.177 χ^2/NDF: 51.4/52

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

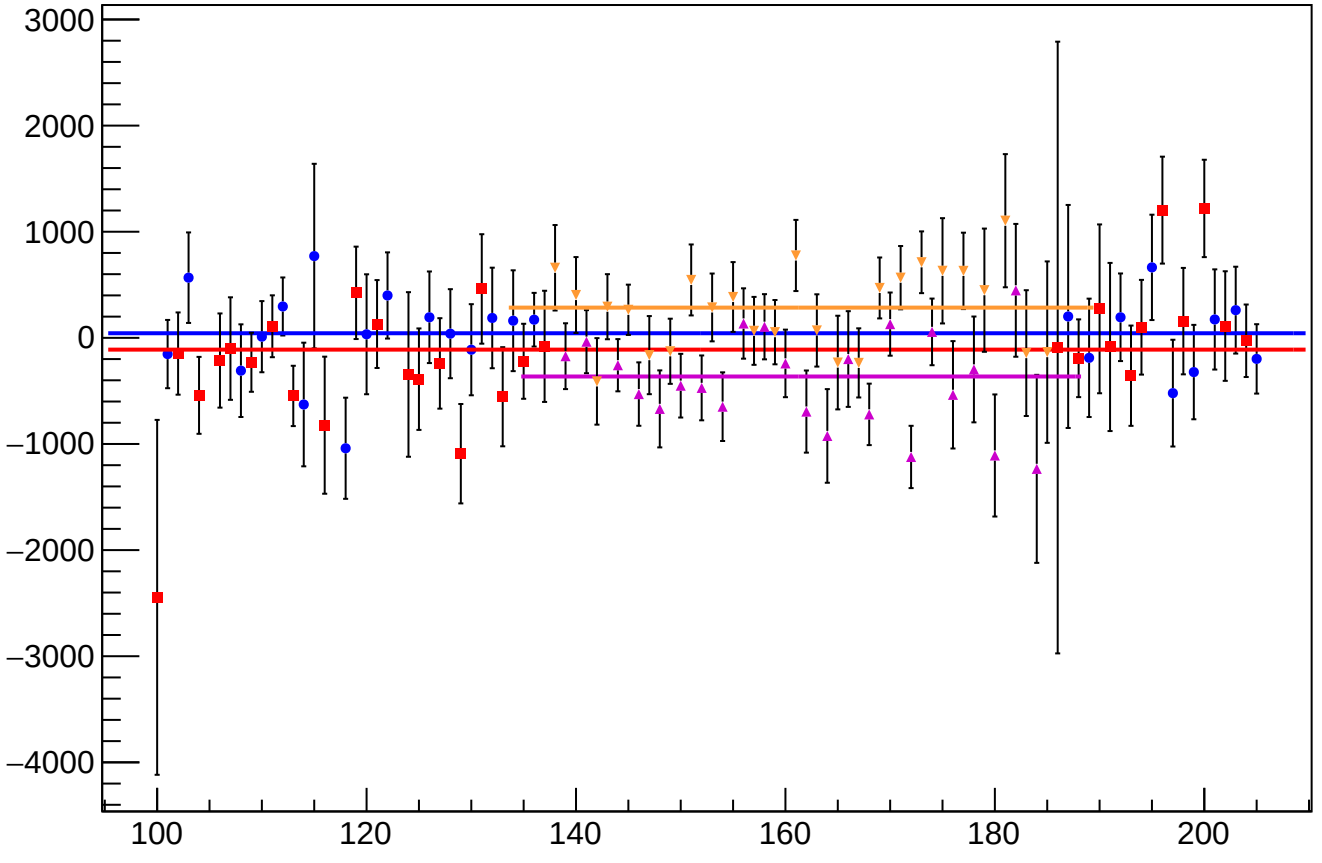
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2217.776+/-0.286 χ^2/NDF: 6316638.3/49

All: 2221.507+/-0.203 χ^2/NDF: 13866674.1/1

- sign 2225.308+/-0.289 χ^2/NDF: 7549692.2/52

dit_asym_sam4_mean vs Slug



Right In: 43.408+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -110.949+/-80.092 χ^2/NDF: 33.3/29

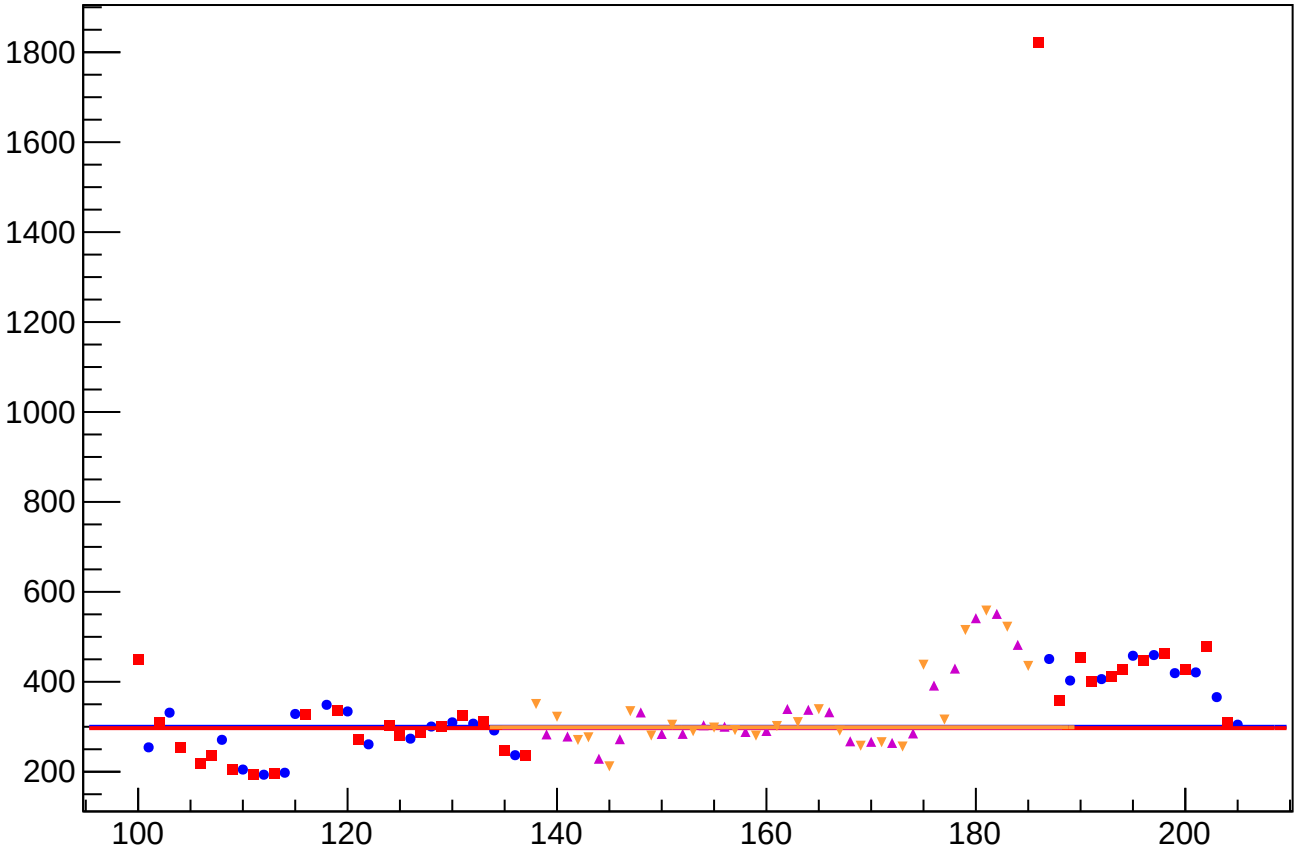
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

\+ sign 184.768+/-53.582 χ^2/NDF: 44.5/49

All: -33.996+/-37.833 χ^2/NDF: 144.8/102

\- sign -251.488+/-53.426 χ^2/NDF: 67.0/52

dit_asym_sam4_rms vs Slug



Right In: 299.946+/-0.059 χ^2/NDF: 1742130.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.945+/-0.057 χ^2/NDF: 2800735.8/29

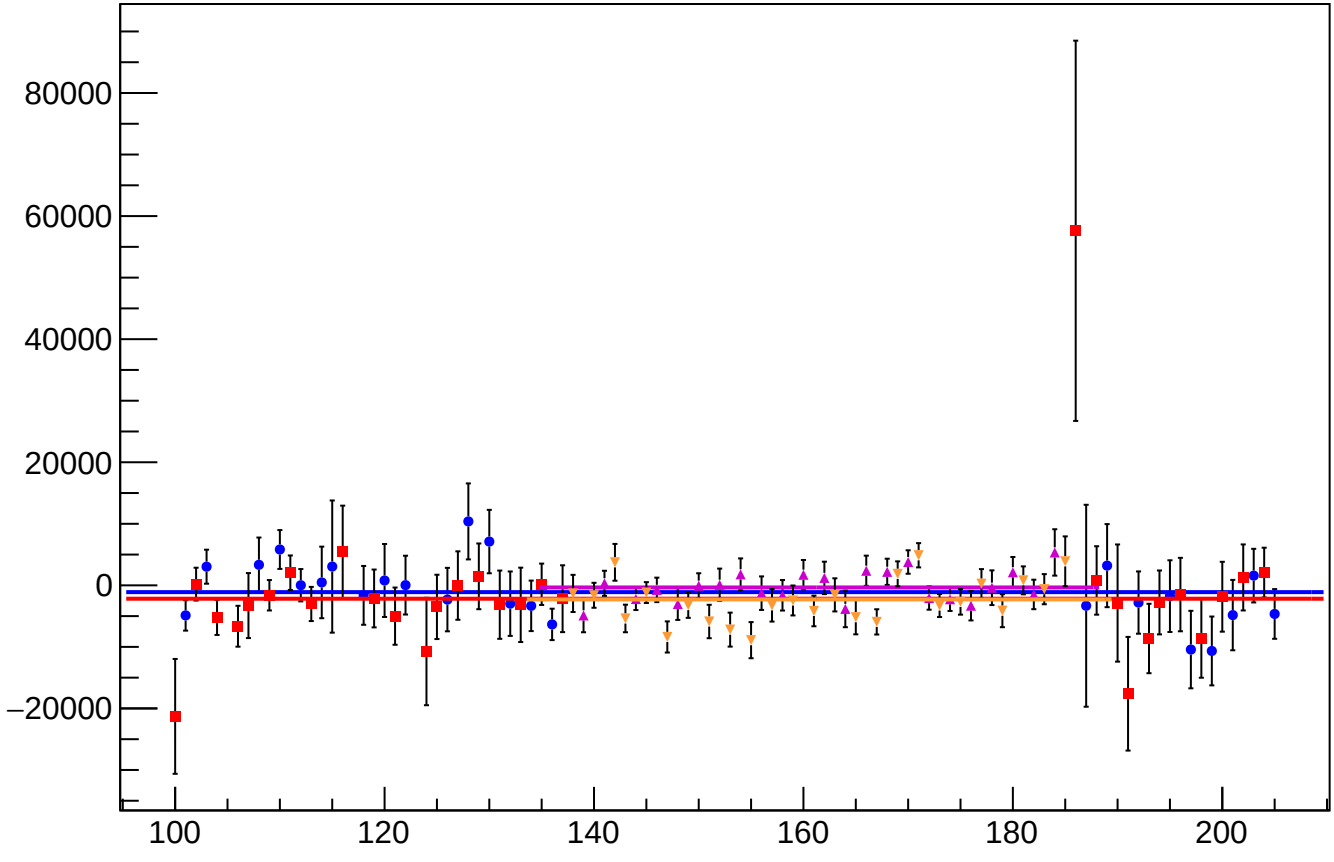
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 299.356+/-0.038 χ^2/NDF: 3355379.1/49

All: 298.408+/-0.027 χ^2/NDF: 7476576.8/102

- sign 297.467+/-0.038 χ^2/NDF: 4119950.9/52

asym_sam4_dit_correction_mean vs Slug



Right In: -1103.059+/-847.509 χ^2/NDF: 28.9/24

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2172.584+/-807.079 χ^2/NDF: 24.7/29

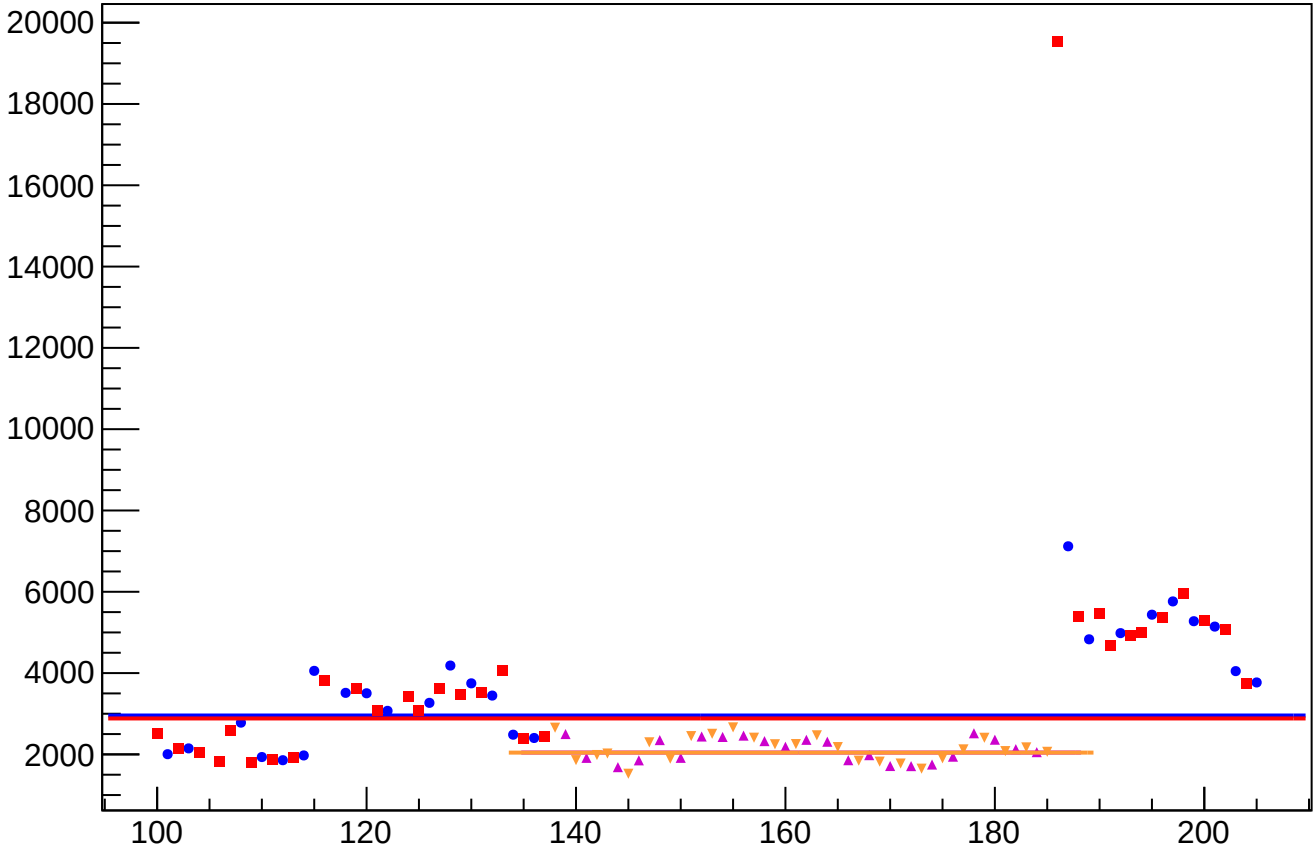
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2011.111+/-411.372 χ^2/NDF: 82.1/49

All: -1423.554+/-292.100 χ^2/NDF: 137.5/102

- sign -826.069+/-414.833 χ^2/NDF: 51.3/52

asym_sam4_dit_correction_rms vs Slug



Right In: 2956.484+/-0.599 χ^2/NDF: 3632654.7/24

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2884.008+/-0.571 χ^2/NDF: 5126129.3/29

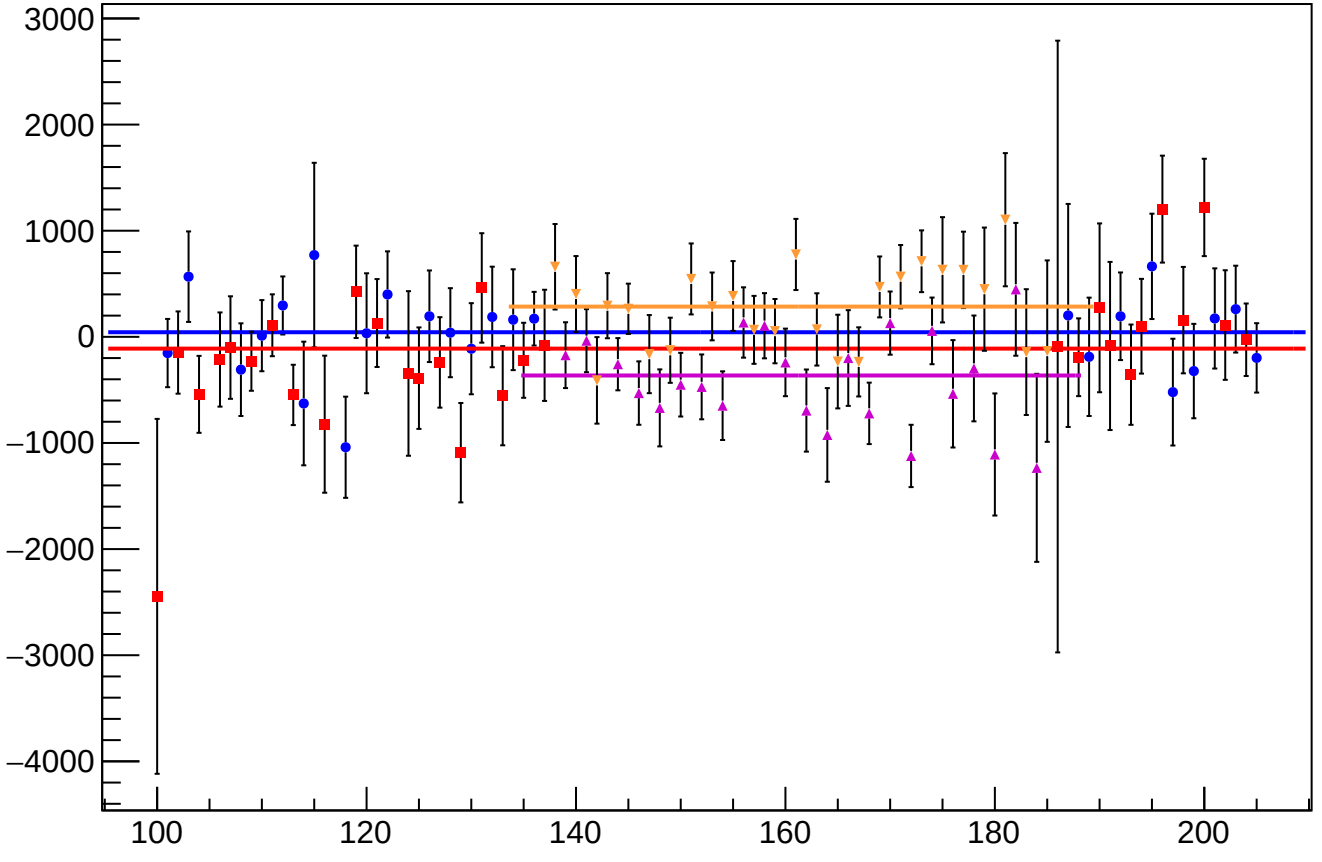
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2258.790+/-0.291 χ^2/NDF: 6259225.2/49

All: 2262.756+/-0.207 χ^2/NDF: 13665636.2/1

- sign 2266.788+/-0.293 χ^2/NDF: 7406036.1/52

eigen_dit_asym_sam4_mean vs Slug



Right In: 43.413+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -110.949+/-80.092 χ^2/NDF: 33.3/29

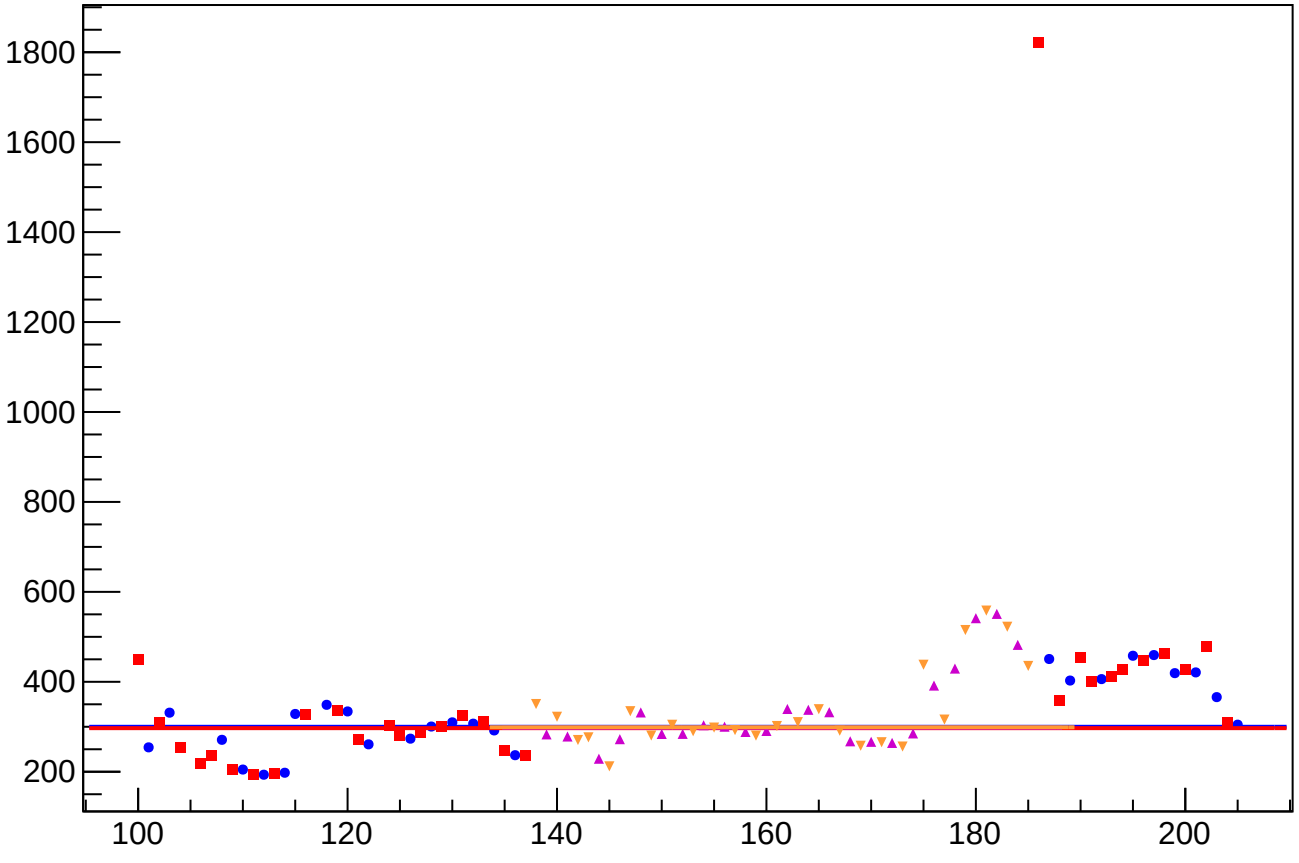
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 184.772+/-53.582 χ^2/NDF: 44.5/49

All: -33.994+/-37.833 χ^2/NDF: 144.8/102

- sign -251.489+/-53.427 χ^2/NDF: 67.0/52

eigen_dit_asym_sam4_rms vs Slug



Right In: 299.946+/-0.059 χ^2/NDF: 1742117.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.944+/-0.057 χ^2/NDF: 2800741.7/29

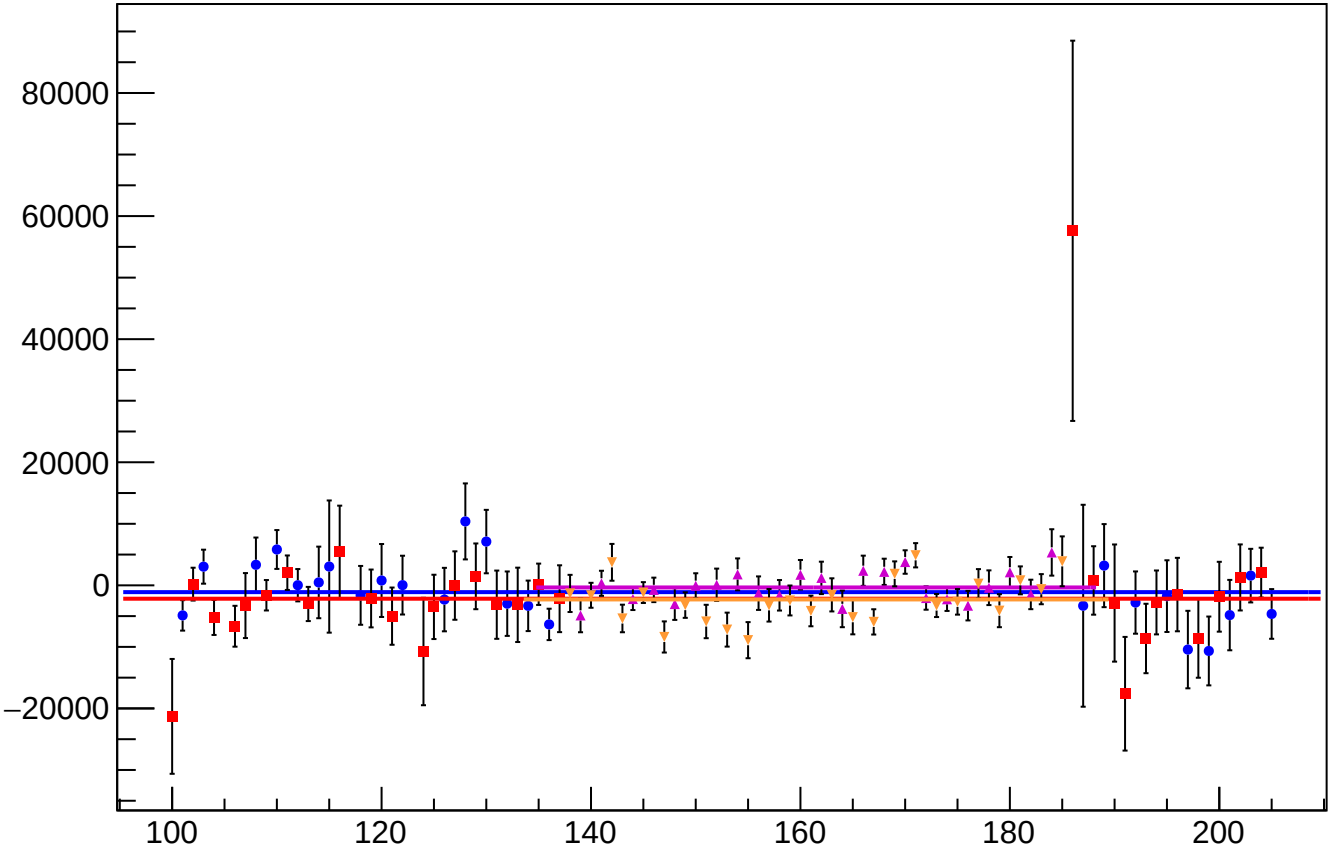
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 299.356+/-0.038 χ^2/NDF: 3355363.2/49

All: 298.409+/-0.027 χ^2/NDF: 7476548.5/102

- sign 297.467+/-0.038 χ^2/NDF: 4119938.6/52

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1103.059+/-847.508 χ^2/NDF: 28.9/24

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2172.582+/-807.078 χ^2/NDF: 24.7/29

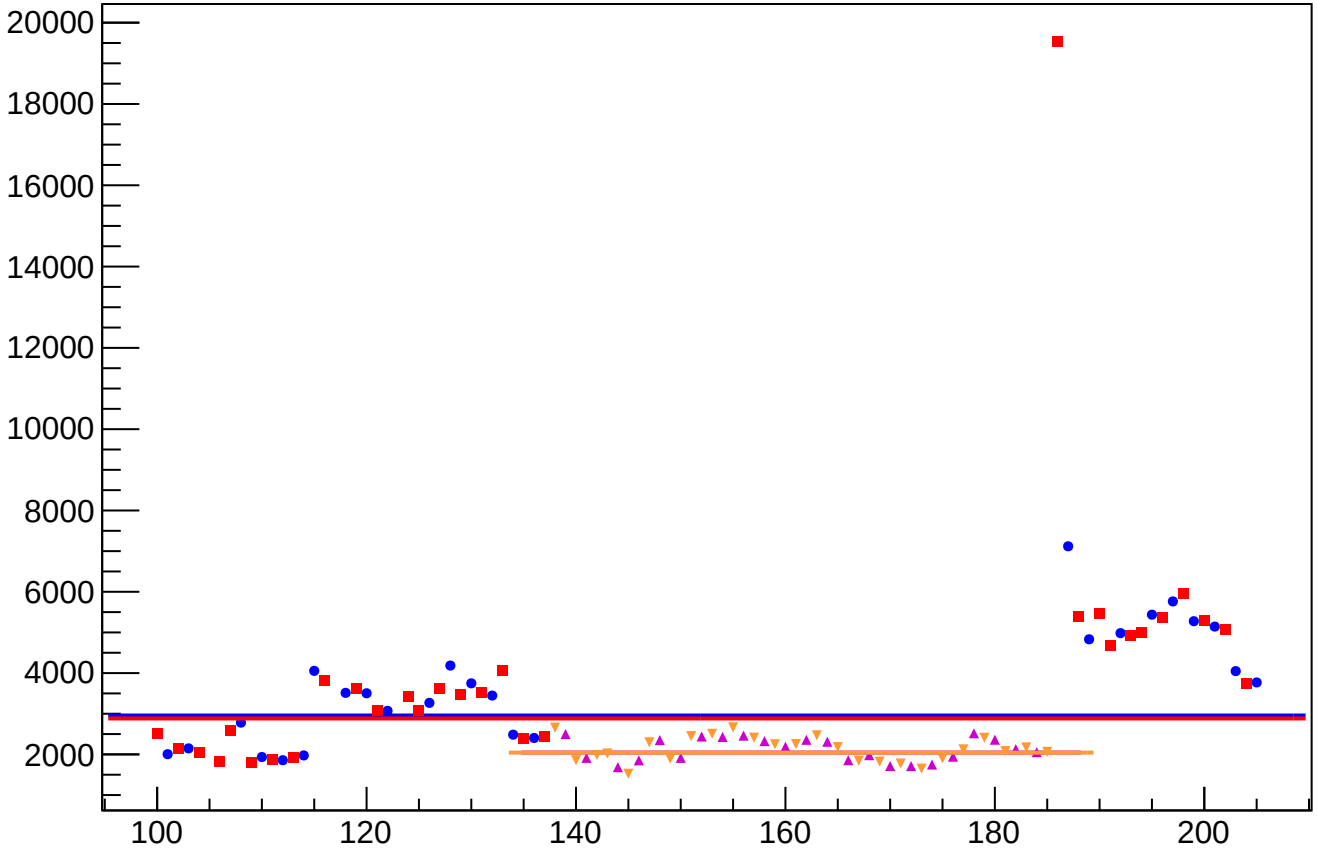
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2011.107+/-411.372 χ^2/NDF: 82.1/49

All: -1423.551+/-292.100 χ^2/NDF: 137.5/102

- sign -826.066+/-414.833 χ^2/NDF: 51.3/52

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2956.482+/-0.599 χ^2/NDF: 3632651.8/24

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2884.006+/-0.571 χ^2/NDF: 5126123.9/29

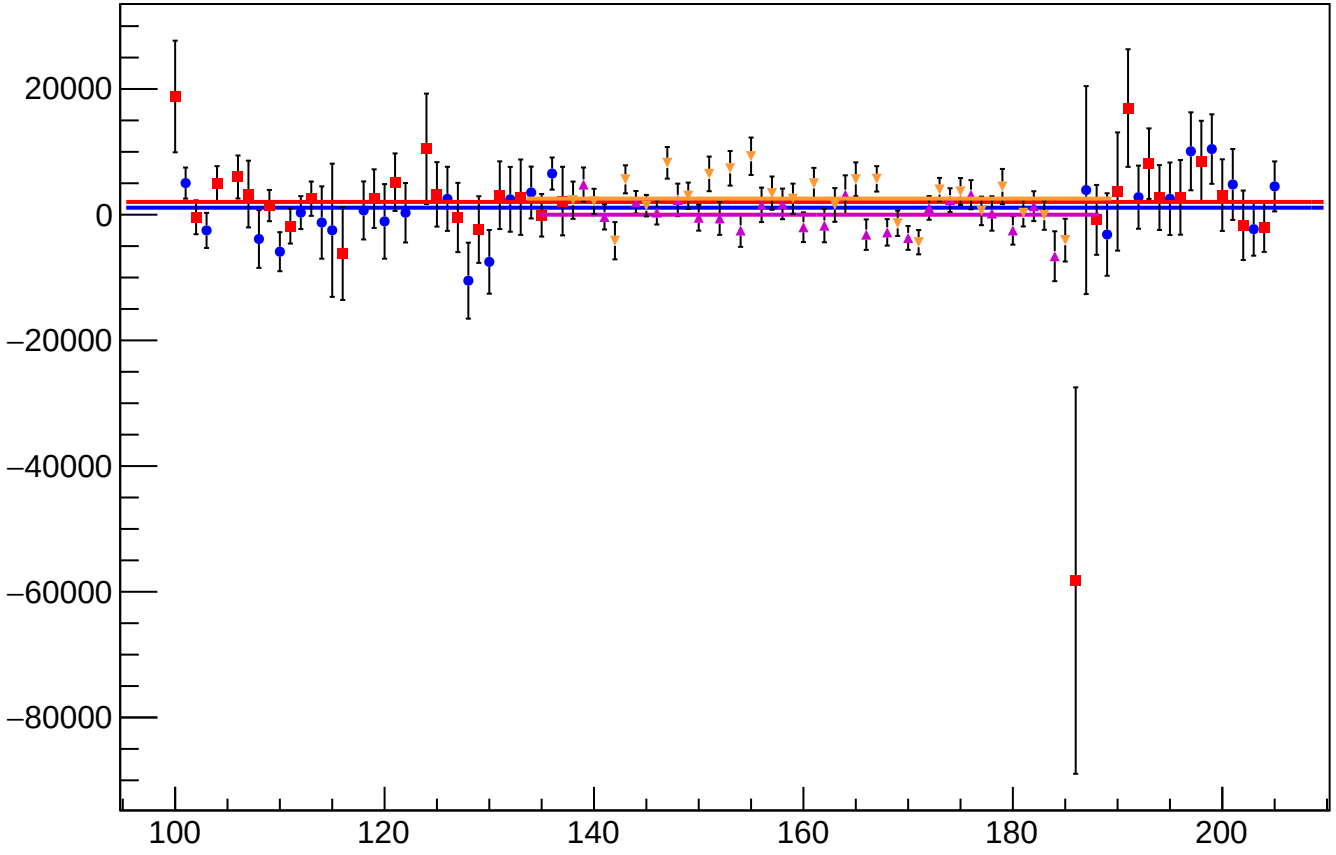
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2258.787+/-0.291 χ^2/NDF: 6259231.6/49

All: 2262.753+/-0.207 χ^2/NDF: 13665641.2/1

- sign 2266.785+/-0.293 χ^2/NDF: 7406034.7/52

asym_sam4_mean vs Slug



Right In: 1110.589+/-842.845 χ^2/NDF: 29.9/24

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2029.001+/-805.688 χ^2/NDF: 23.3/29

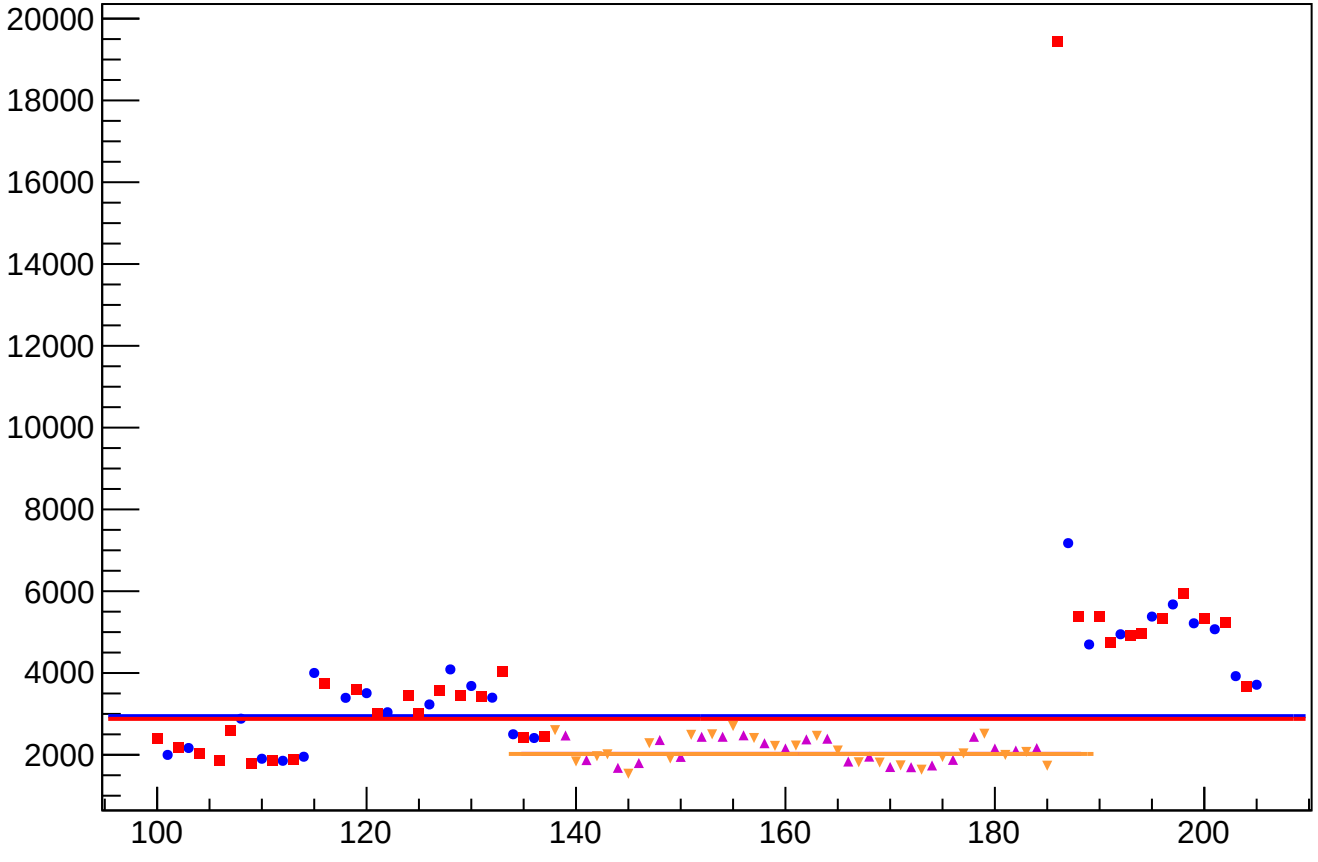
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2219.998+/-407.781 χ^2/NDF: 84.9/49

All: 1380.783+/-289.623 χ^2/NDF: 146.0/102

- sign 526.514+/-411.422 χ^2/NDF: 52.6/52

asym_sam4_rms vs Slug



Right In: 2945.411+/-0.596 χ^2/NDF: 3522828.3/24

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

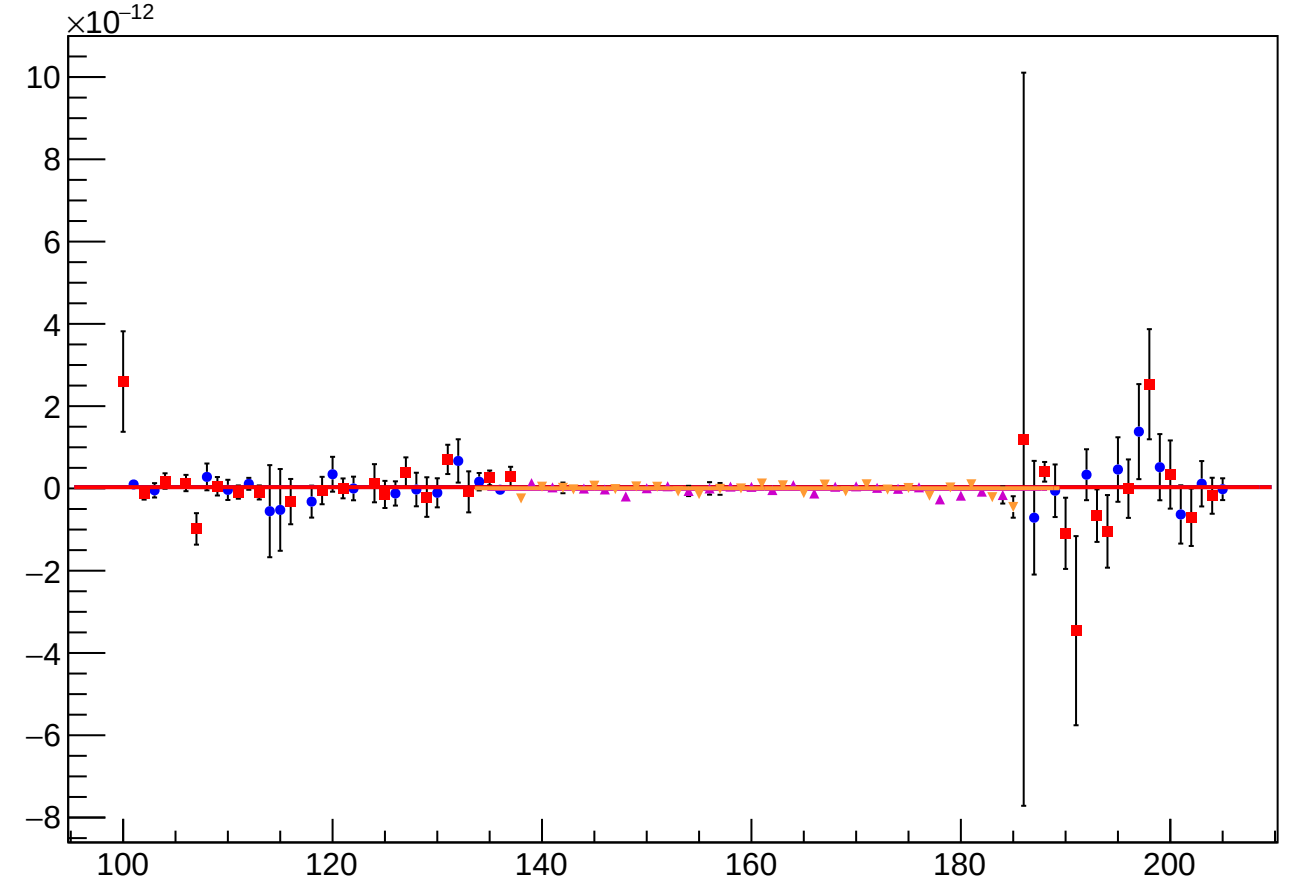
Right Out: 2878.800+/-0.570 χ^2/NDF: 5100860.8/29

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2237.587+/-0.288 χ^2/NDF: 6245819.6/49

All: 2241.938+/-0.205 χ^2/NDF: 13710208.7/1

- sign 2246.368+/-0.291 χ^2/NDF: 7463929.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

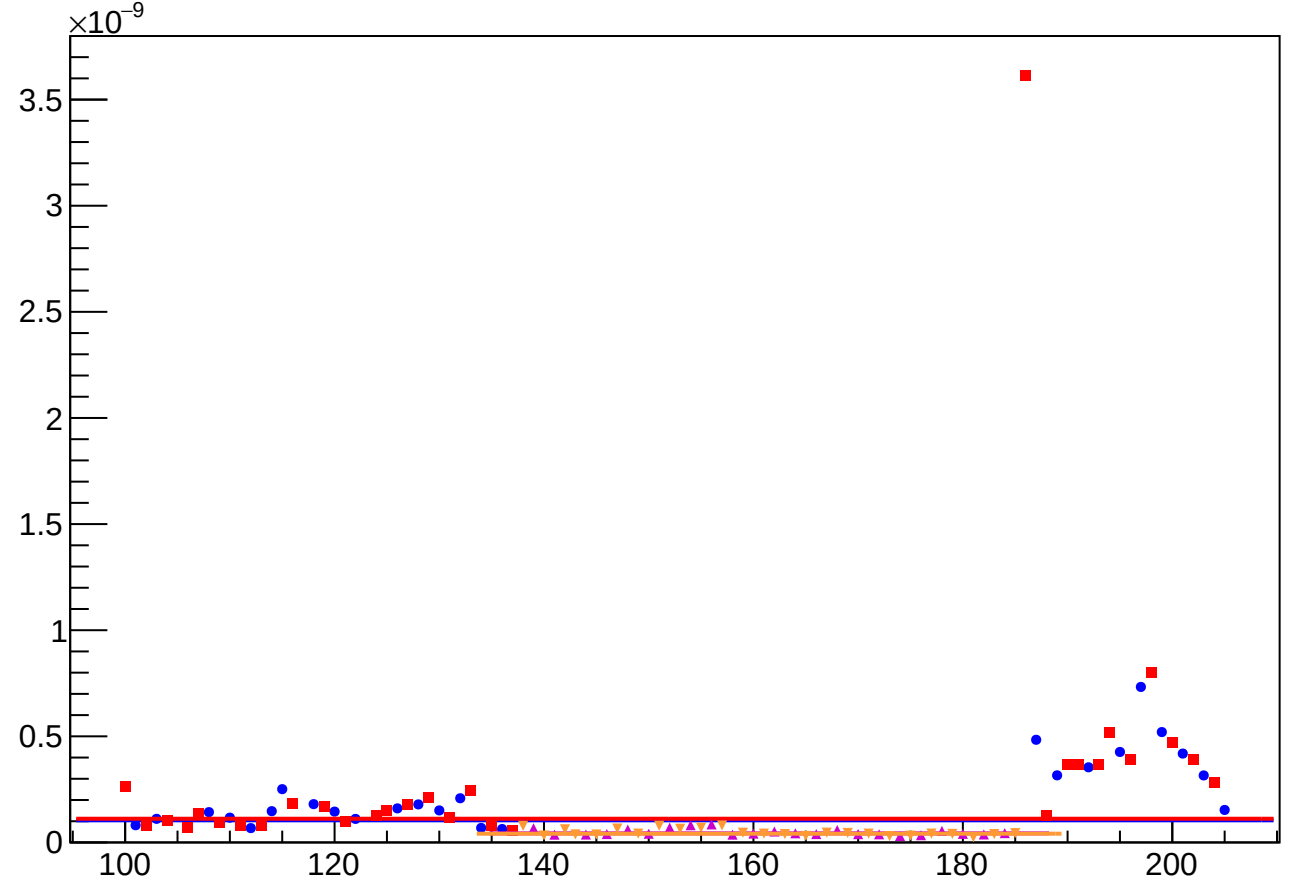
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/29

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.0/49

All: -0.000+/-0.000 χ^2/NDF: 101.1/102

- sign -0.000+/-0.000 χ^2/NDF: 58.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 3982295.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4086622.1/29

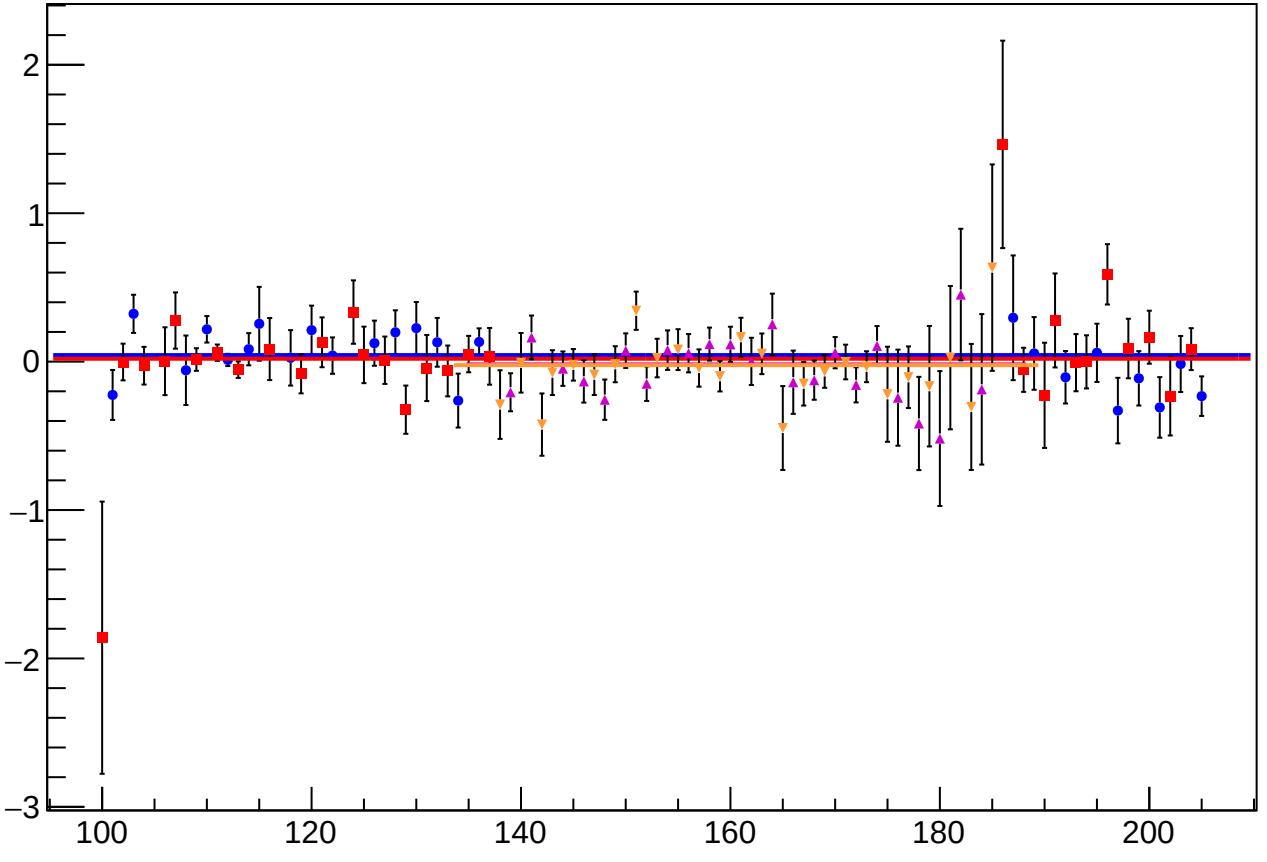
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8045821.7/49

All: 0.000+/-0.000 χ^2/NDF: 16131722.2/102

- sign 0.000+/-0.000 χ^2/NDF: 8063325.6/52

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

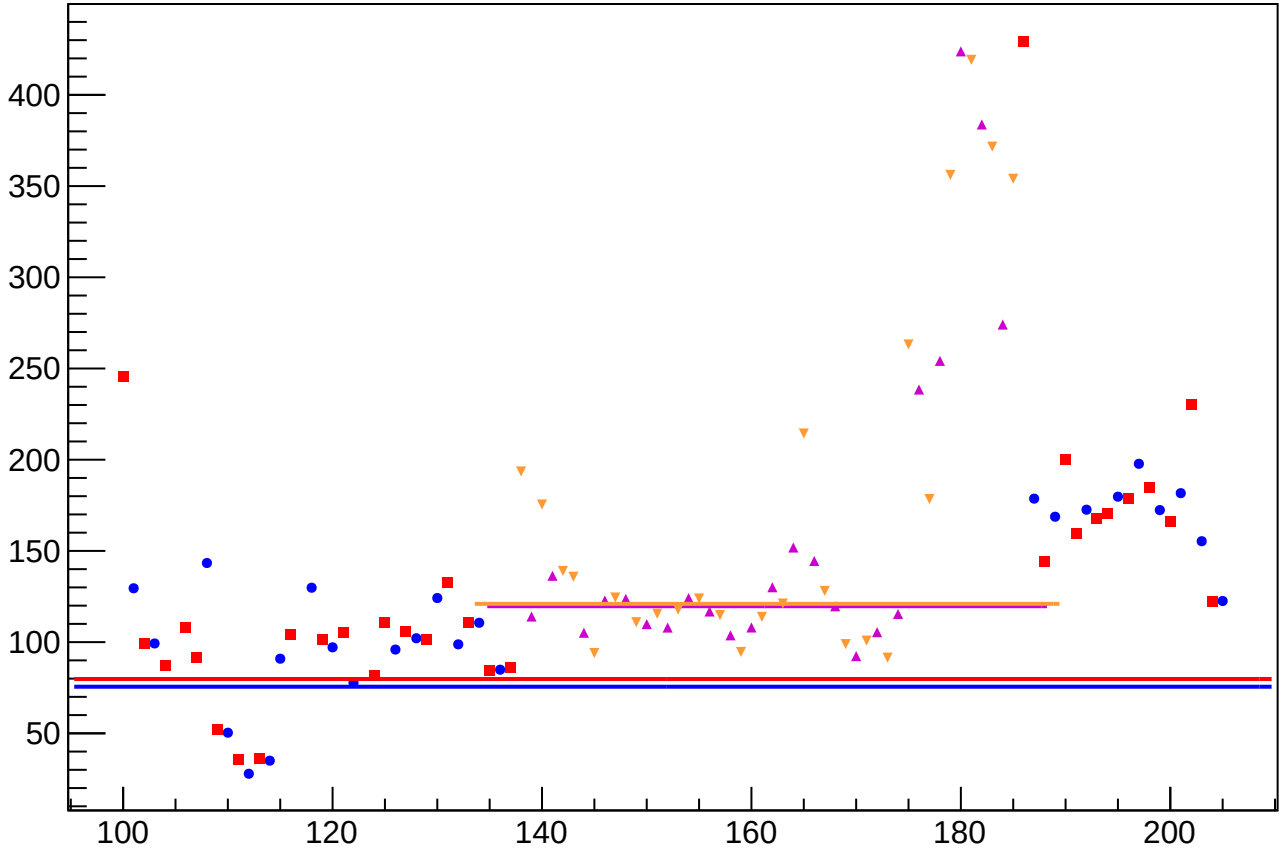
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.010+/-0.014 χ^2/NDF: 113.8/102

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

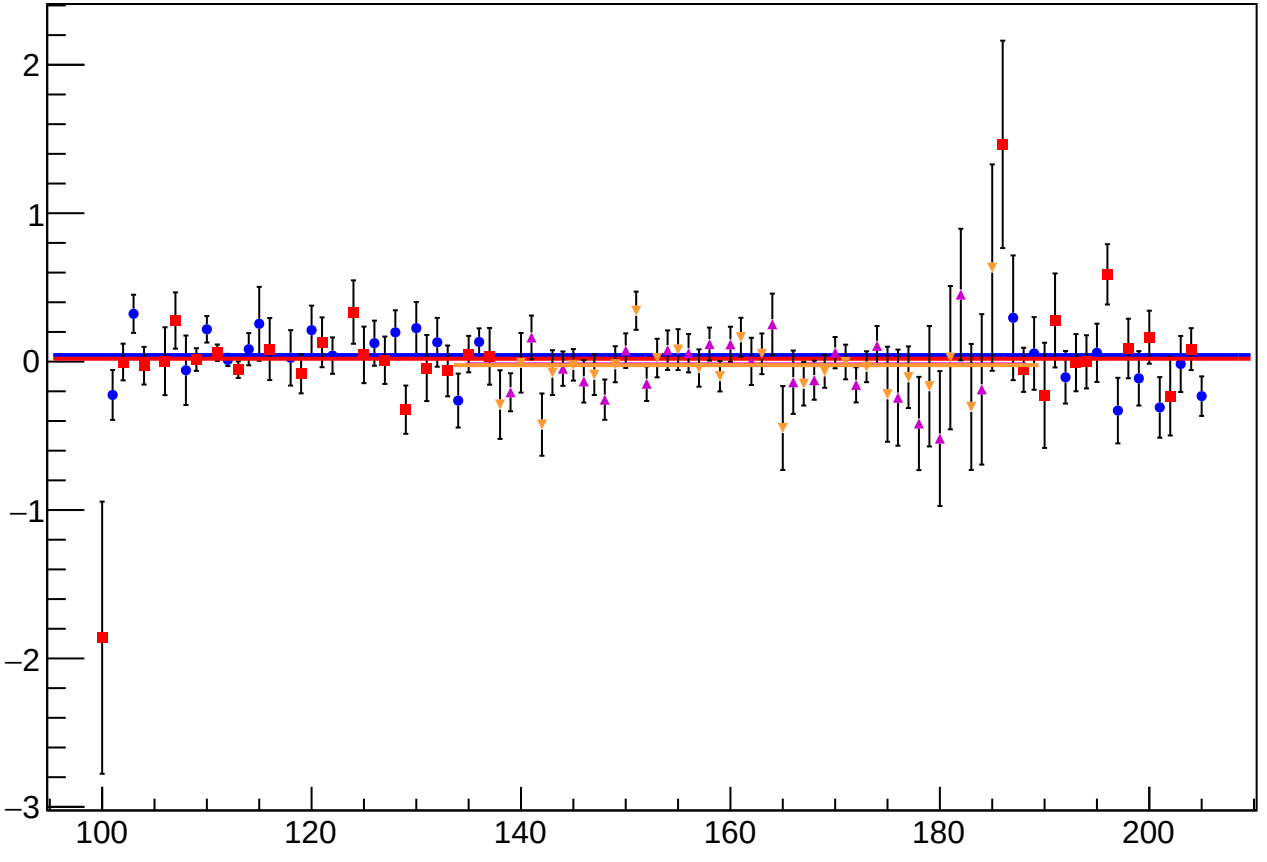
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 94.186+/-0.014 χ^2/NDF: 14881792.0/49

All: 94.927+/-0.010 χ^2/NDF: 27685880.3/102

- sign 95.661+/-0.013 χ^2/NDF: 12798127.7/52

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

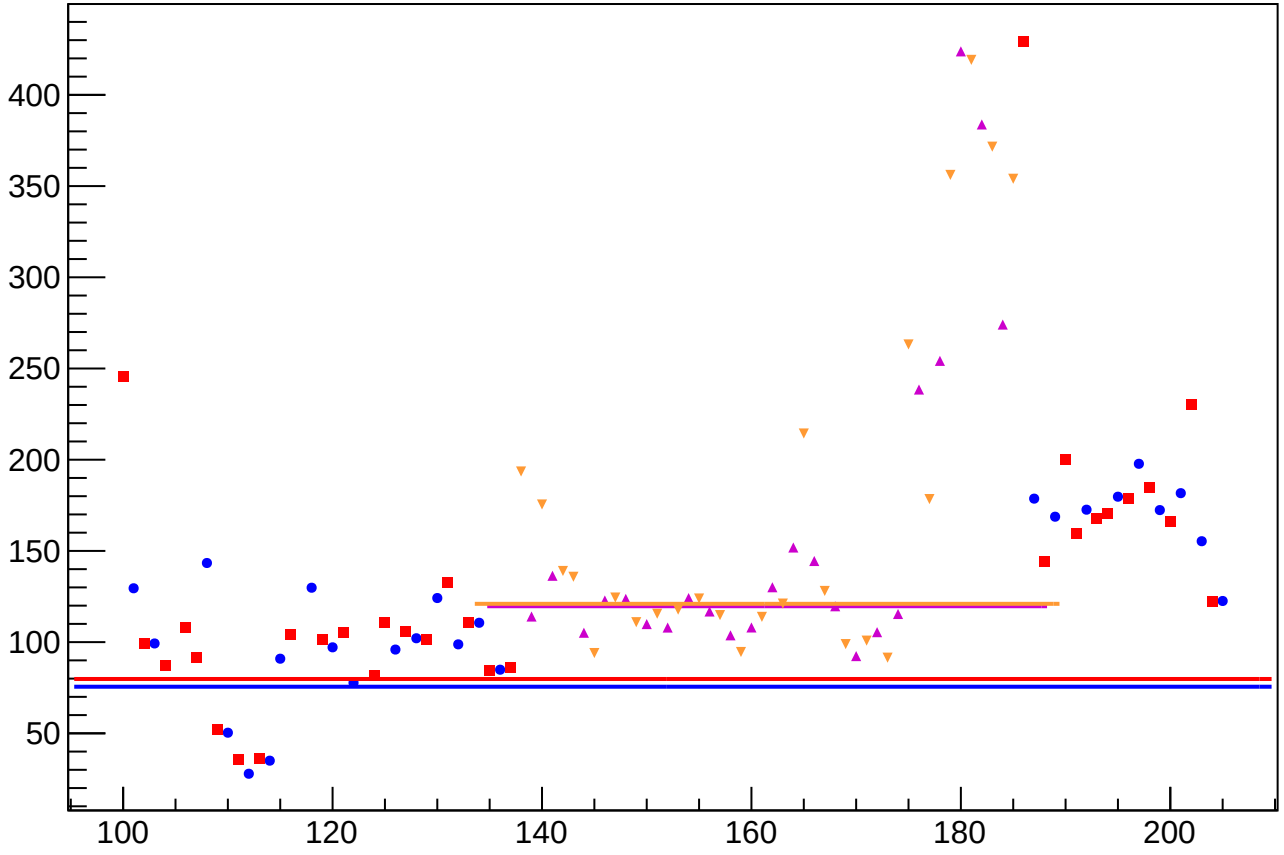
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.010+/-0.014 χ^2/NDF: 113.8/102

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

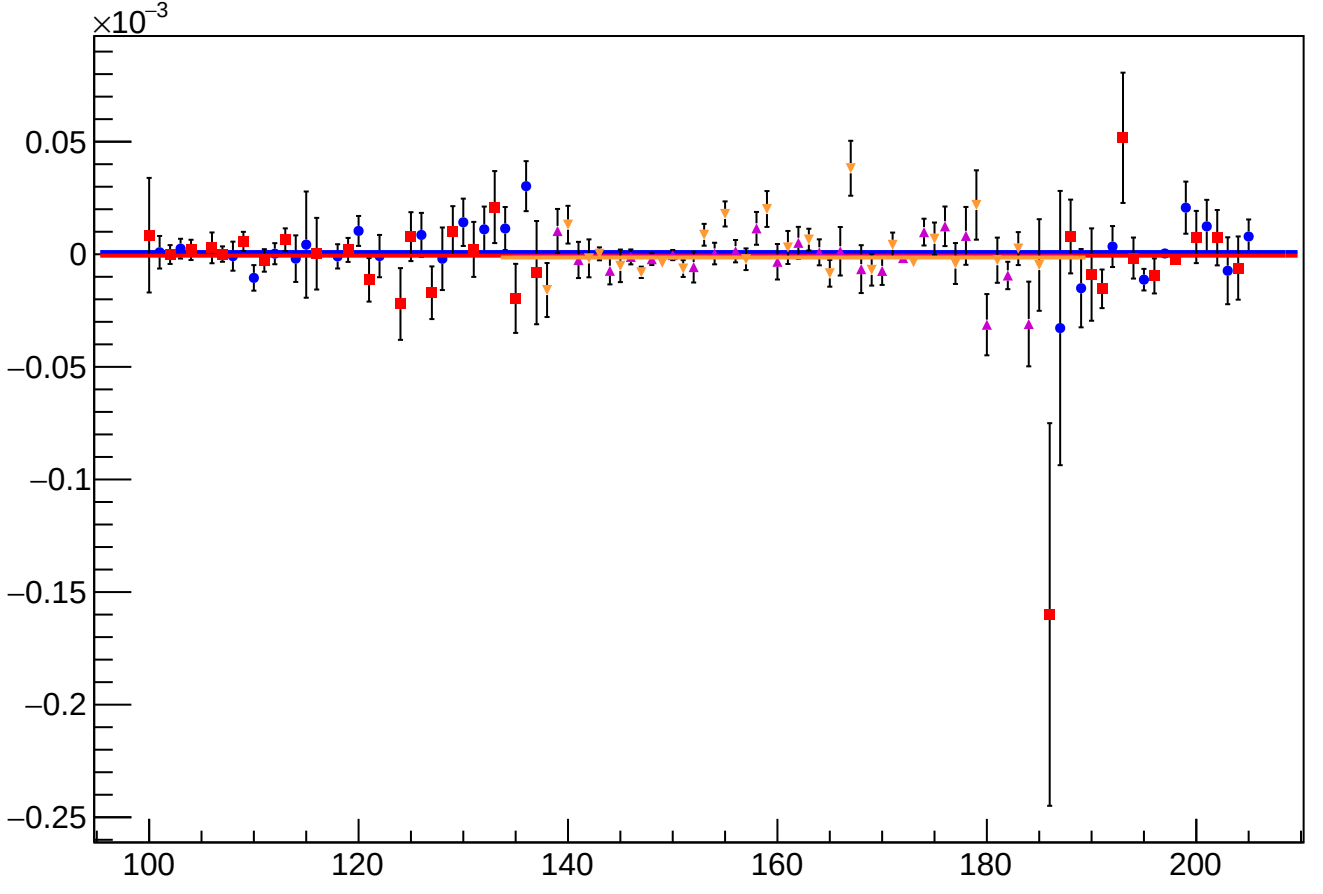
Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 94.186+/-0.014 χ^2/NDF: 14881792.0/49

All: 94.927+/-0.010 χ^2/NDF: 27685880.3/102

- sign 95.661+/-0.013 χ^2/NDF: 12798127.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/29

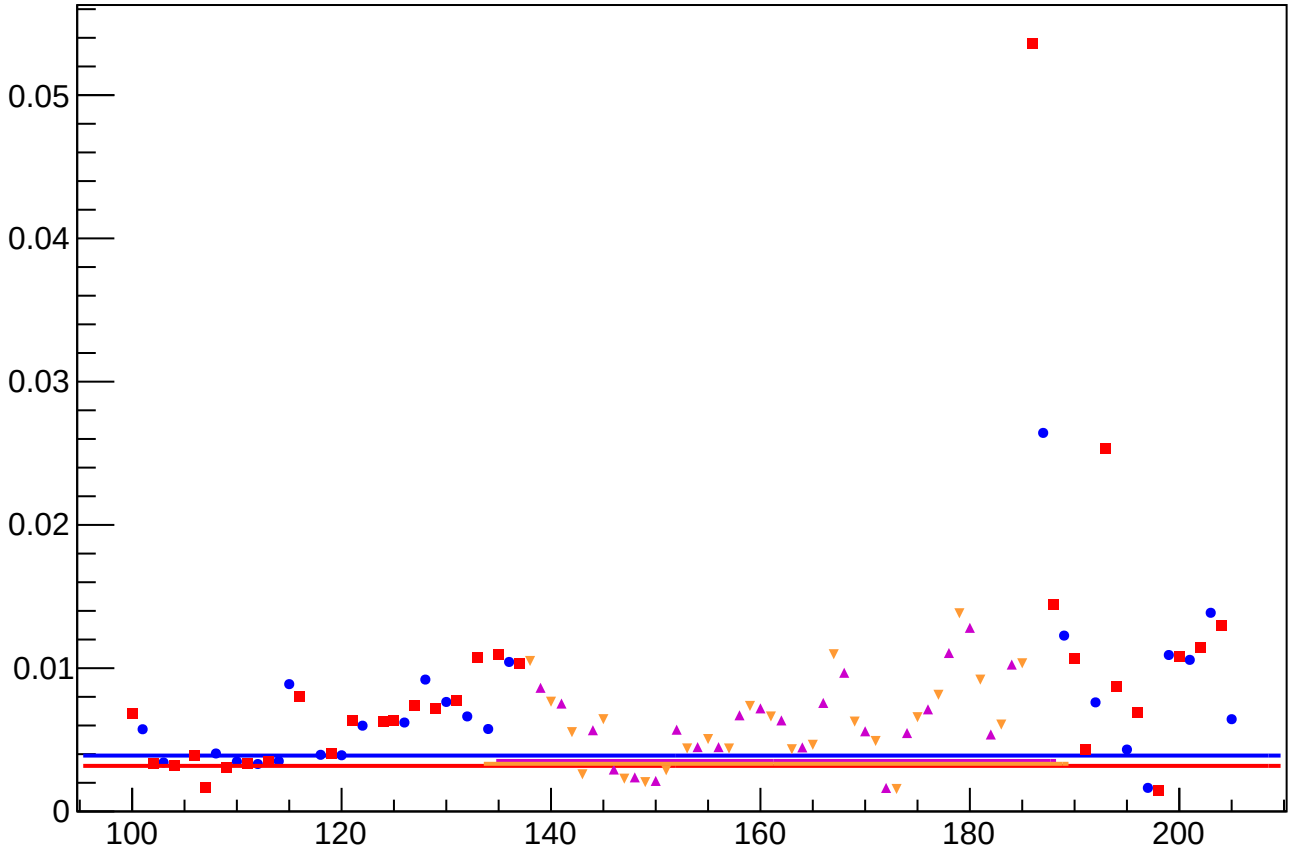
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.6/49

All: -0.000+/-0.000 χ^2/NDF: 147.2/102

- sign -0.000+/-0.000 χ^2/NDF: 53.6/52

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 7703321.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12322047.2/29

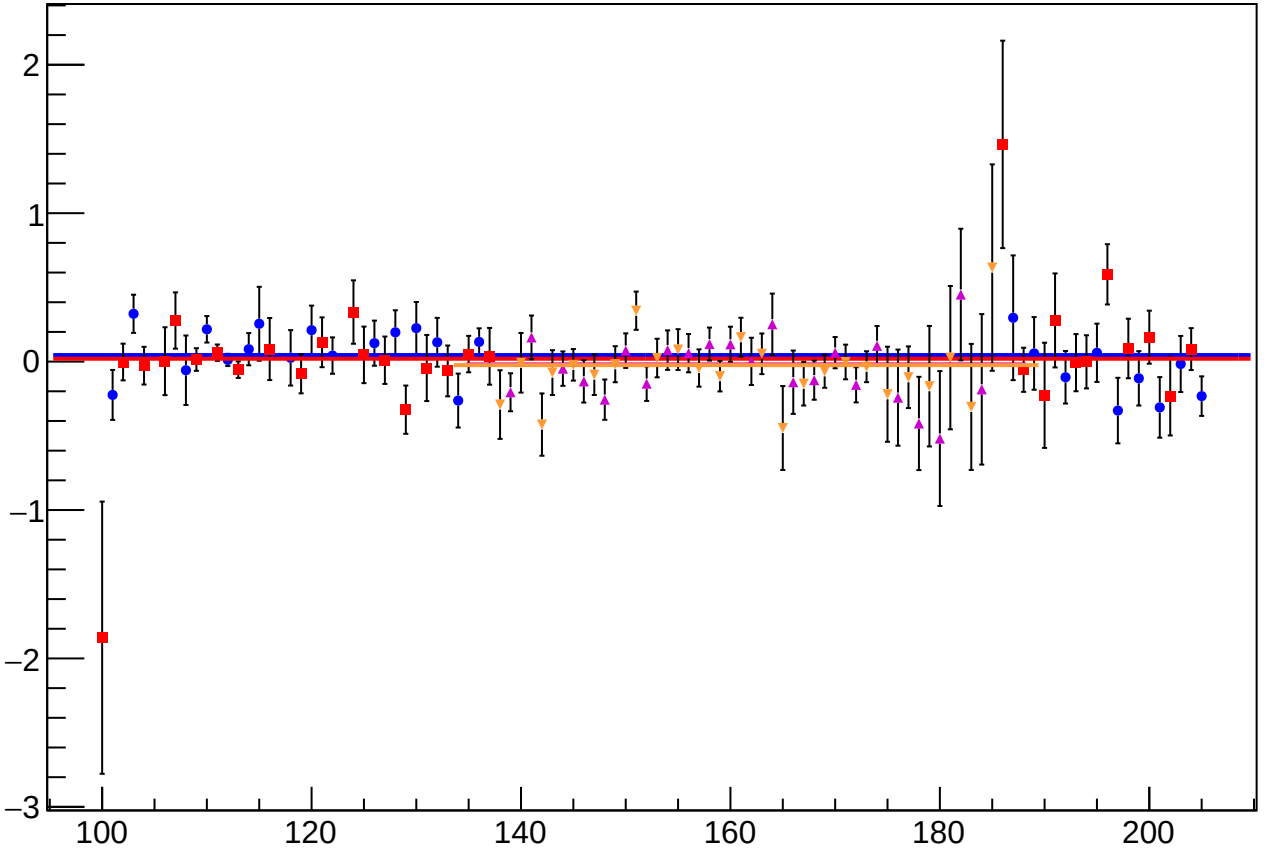
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 18458000.9/49

All: 0.003+/-0.000 χ^2/NDF: 40359077.1/102

- sign 0.003+/-0.000 χ^2/NDF: 21858403.5/52

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

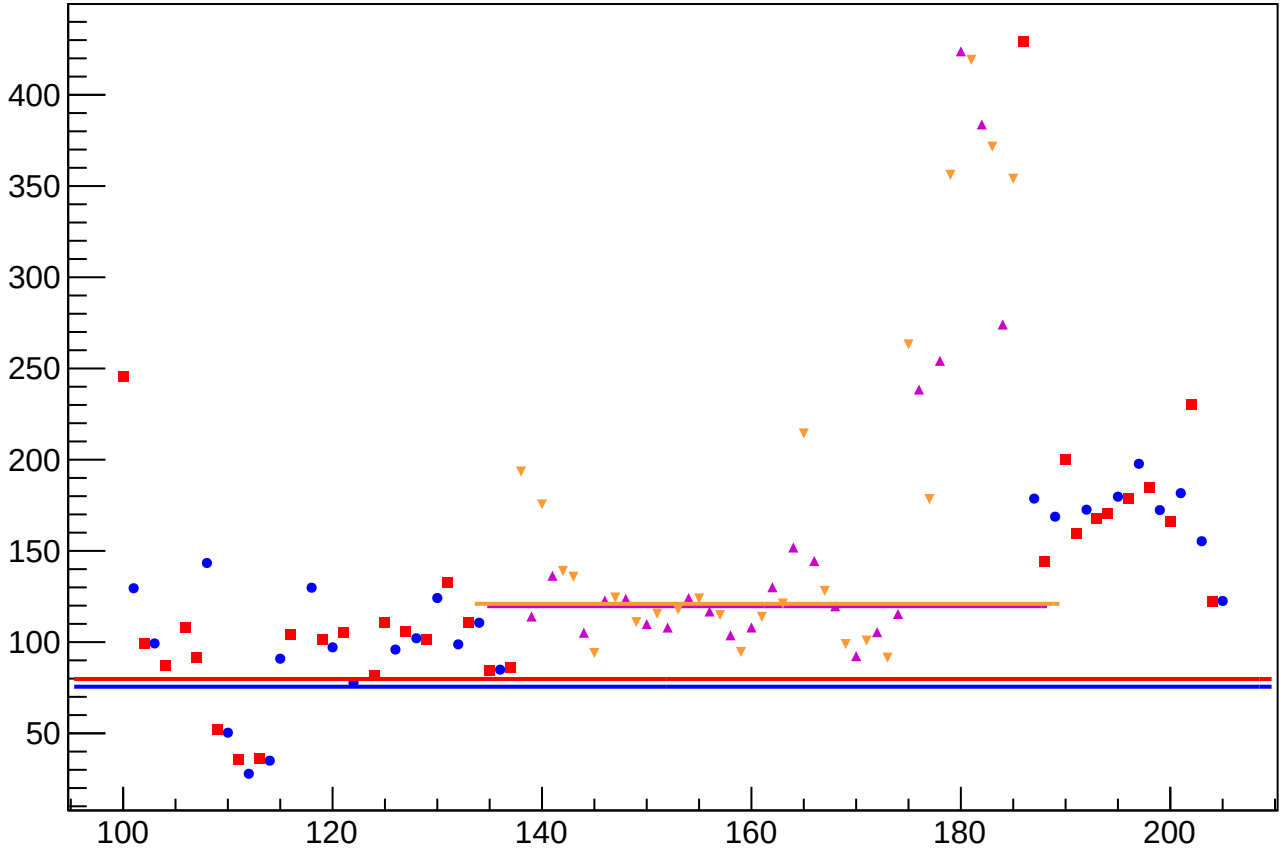
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.010+/-0.014 χ^2/NDF: 113.8/102

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

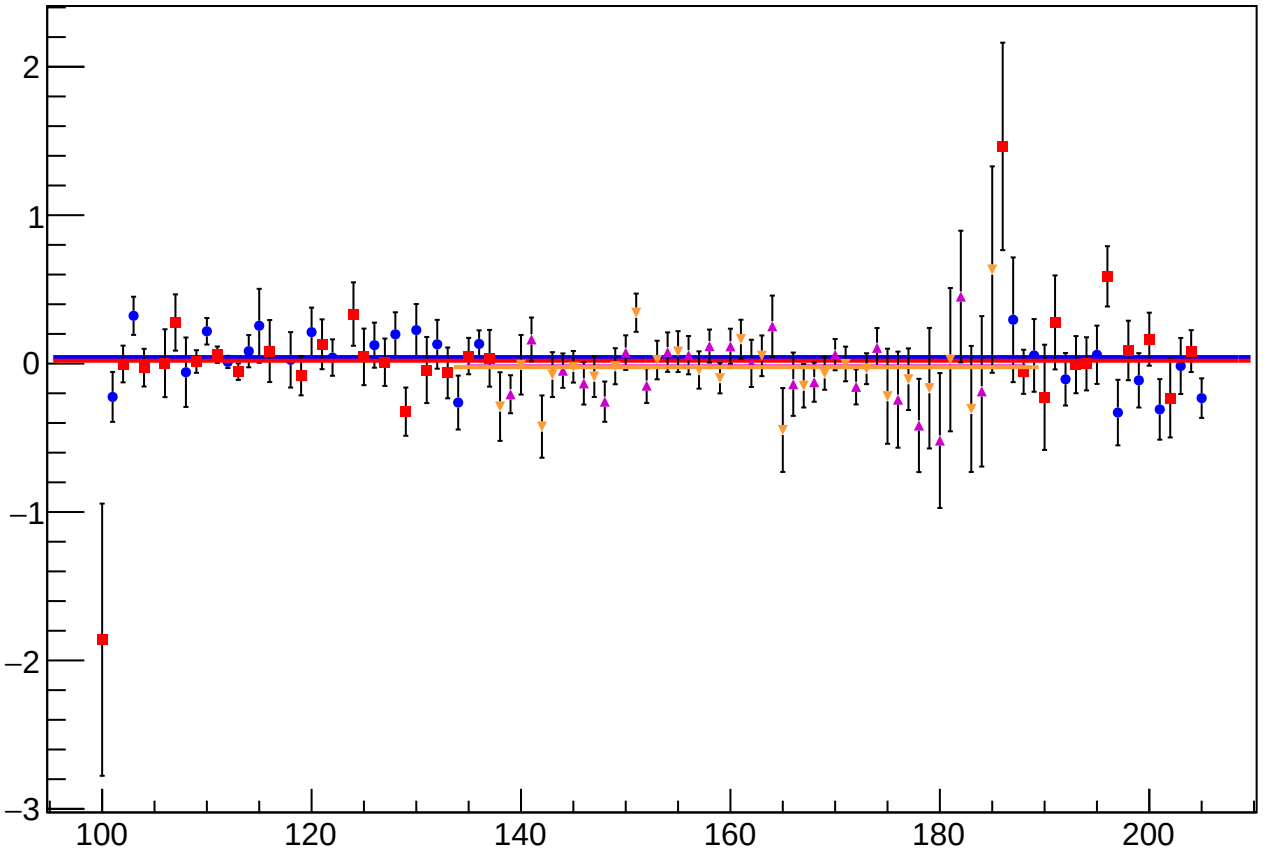
Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 94.184+/-0.014 χ^2/NDF: 14882549.6/49

All: 94.925+/-0.010 χ^2/NDF: 27687340.9/102

- sign 95.660+/-0.013 χ^2/NDF: 12798827.9/52



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.019+/-0.025 χ^2/NDF: 32.1/29

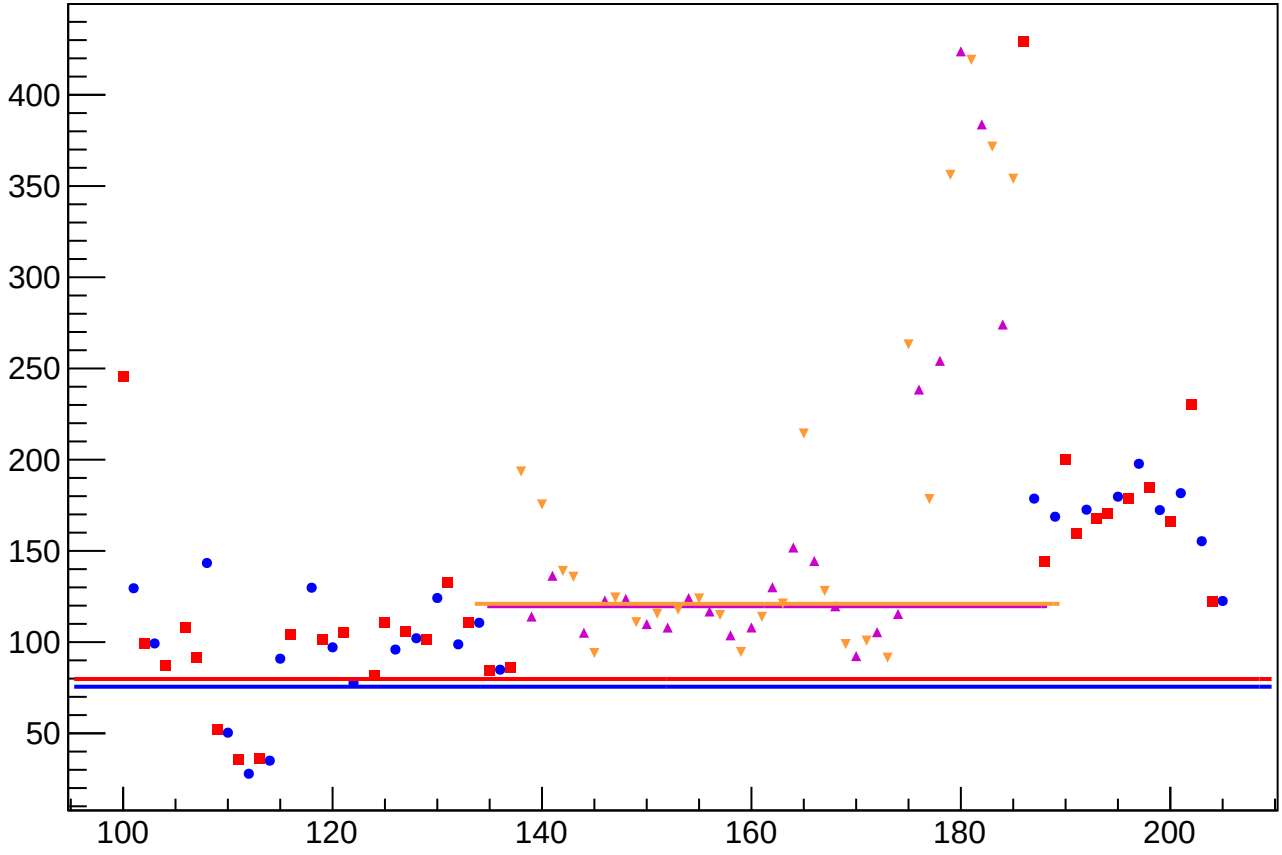
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.010+/-0.014 χ^2/NDF: 113.8/102

- sign 0.004+/-0.019 χ^2/NDF: 56.1/52

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

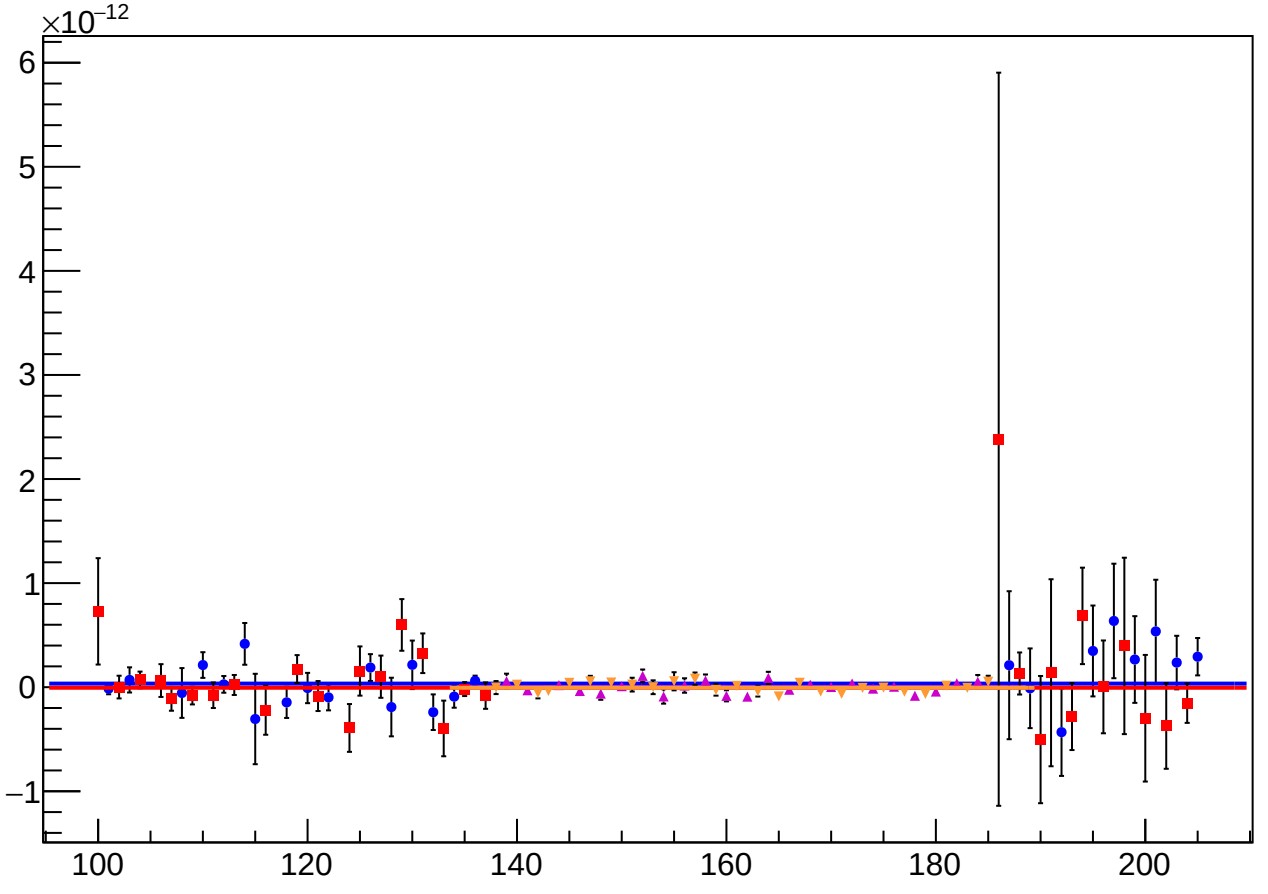
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 94.184+/-0.014 χ^2/NDF: 14882549.6/49

All: 94.925+/-0.010 χ^2/NDF: 27687340.9/102

- sign 95.660+/-0.013 χ^2/NDF: 12798827.9/52

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

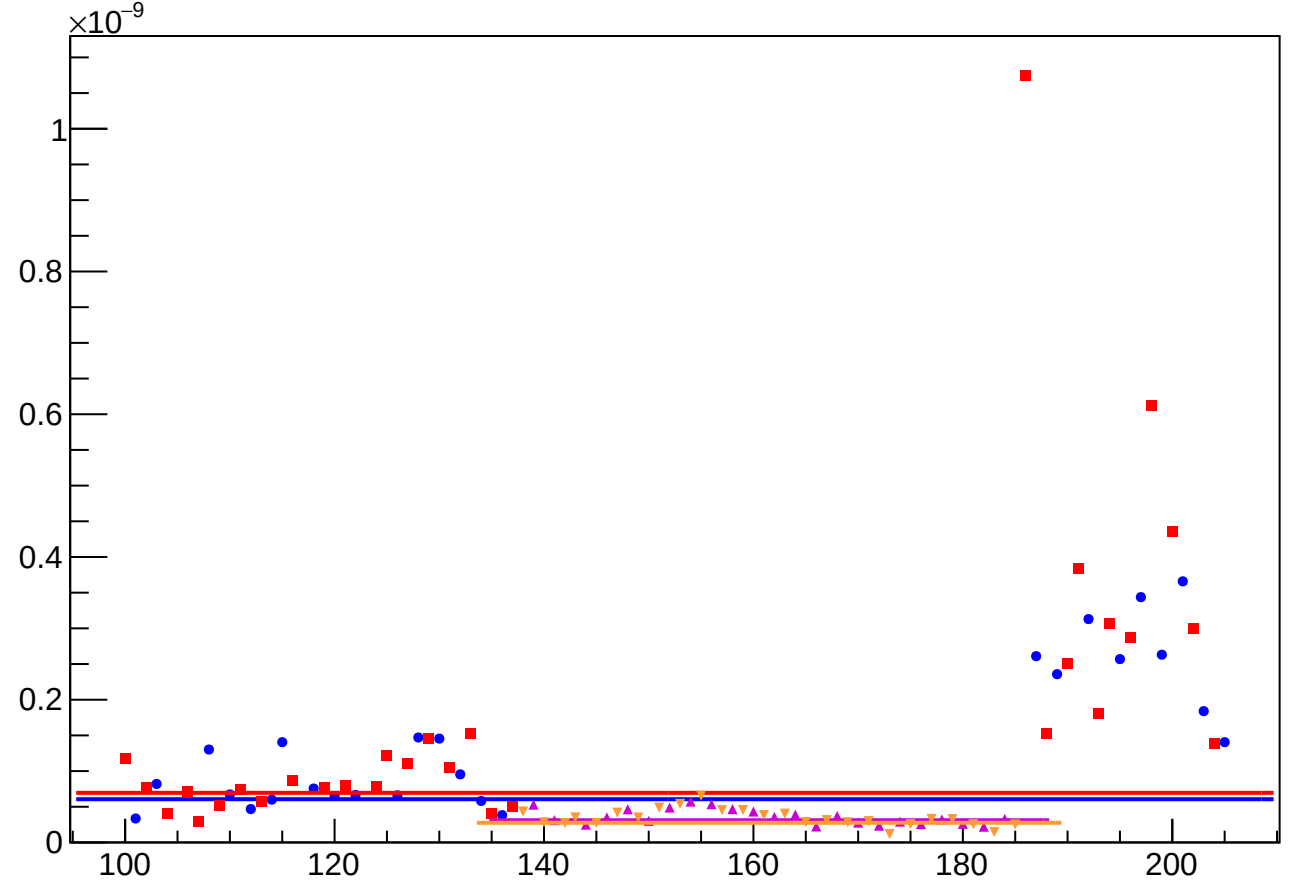
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/29

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/49

All: -0.000+/-0.000 χ^2/NDF: 105.7/102

- sign -0.000+/-0.000 χ^2/NDF: 57.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6155958.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6350995.4/29

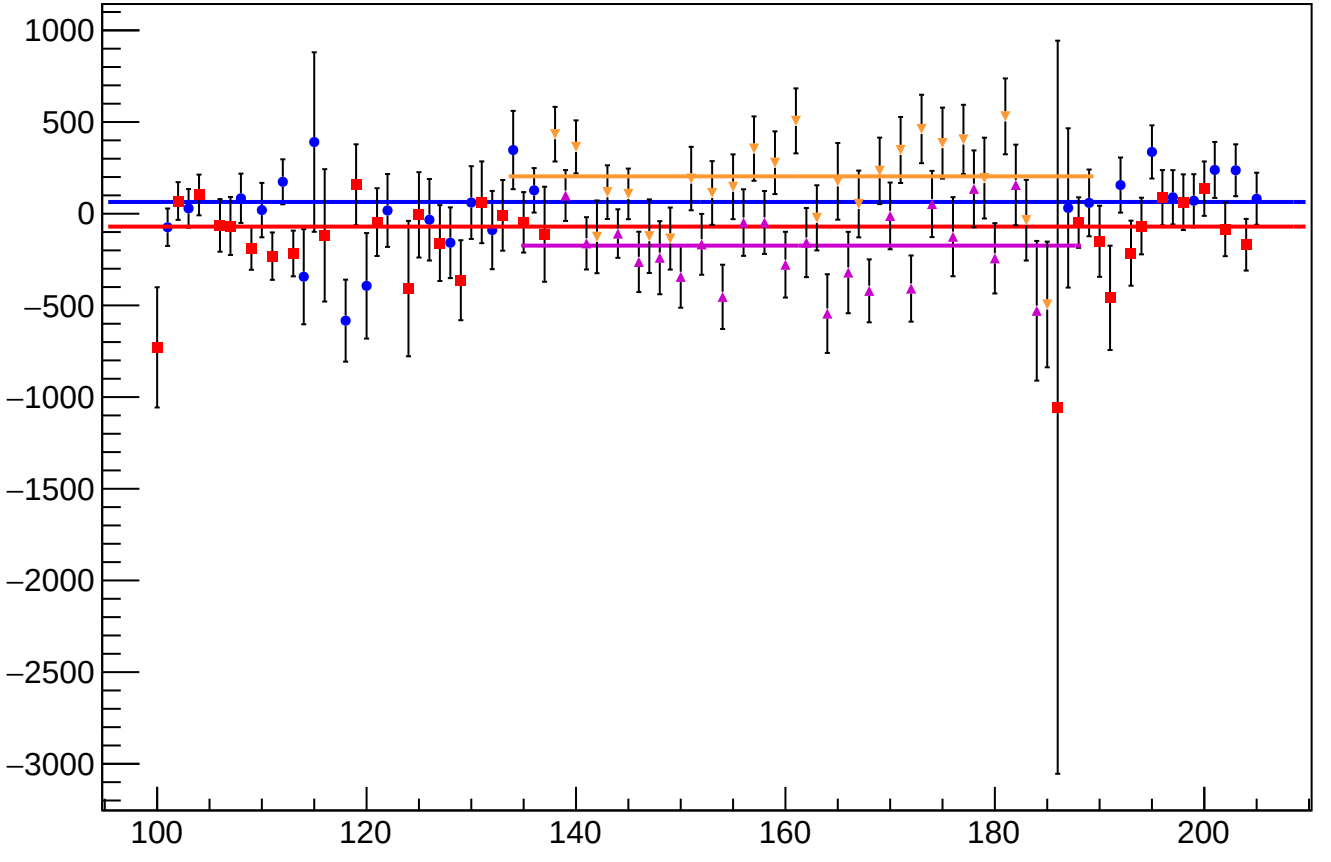
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12893382.1/49

All: 0.000+/-0.000 χ^2/NDF: 24881580.9/102

- sign 0.000+/-0.000 χ^2/NDF: 11731736.3/52

reg_asym_sam5_mean vs Slug



Right In: 64.093+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -70.275+/-30.270 χ^2/NDF: 24.0/29

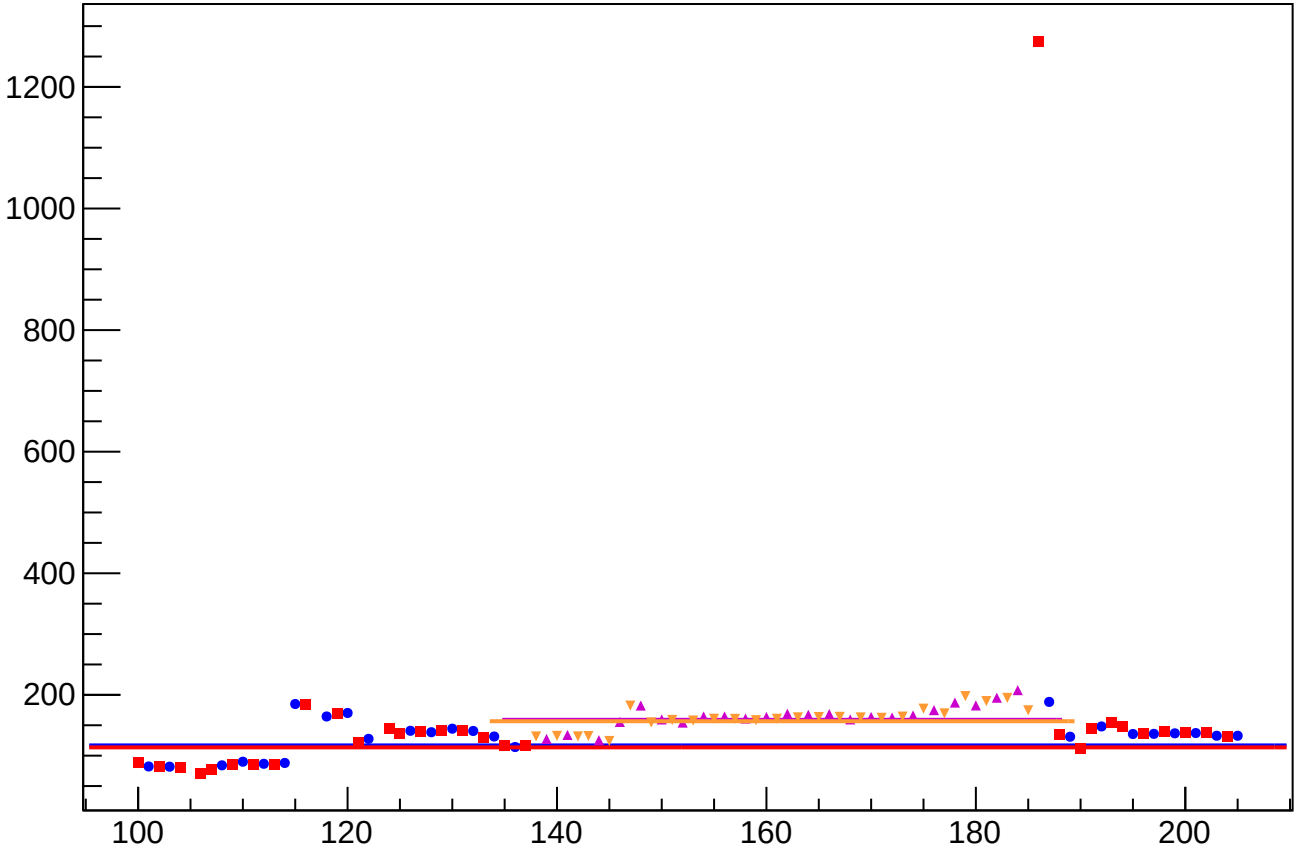
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 125.955+/-23.878 χ^2/NDF: 68.9/49

All: 5.585+/-16.760 χ^2/NDF: 172.2/102

- sign -111.312+/-23.531 χ^2/NDF: 53.2/52

reg_asym_sam5_rms vs Slug



Right In: 116.837+/-0.023 χ^2/NDF: 1450386.3/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 113.624+/-0.021 χ^2/NDF: 2523488.8/29

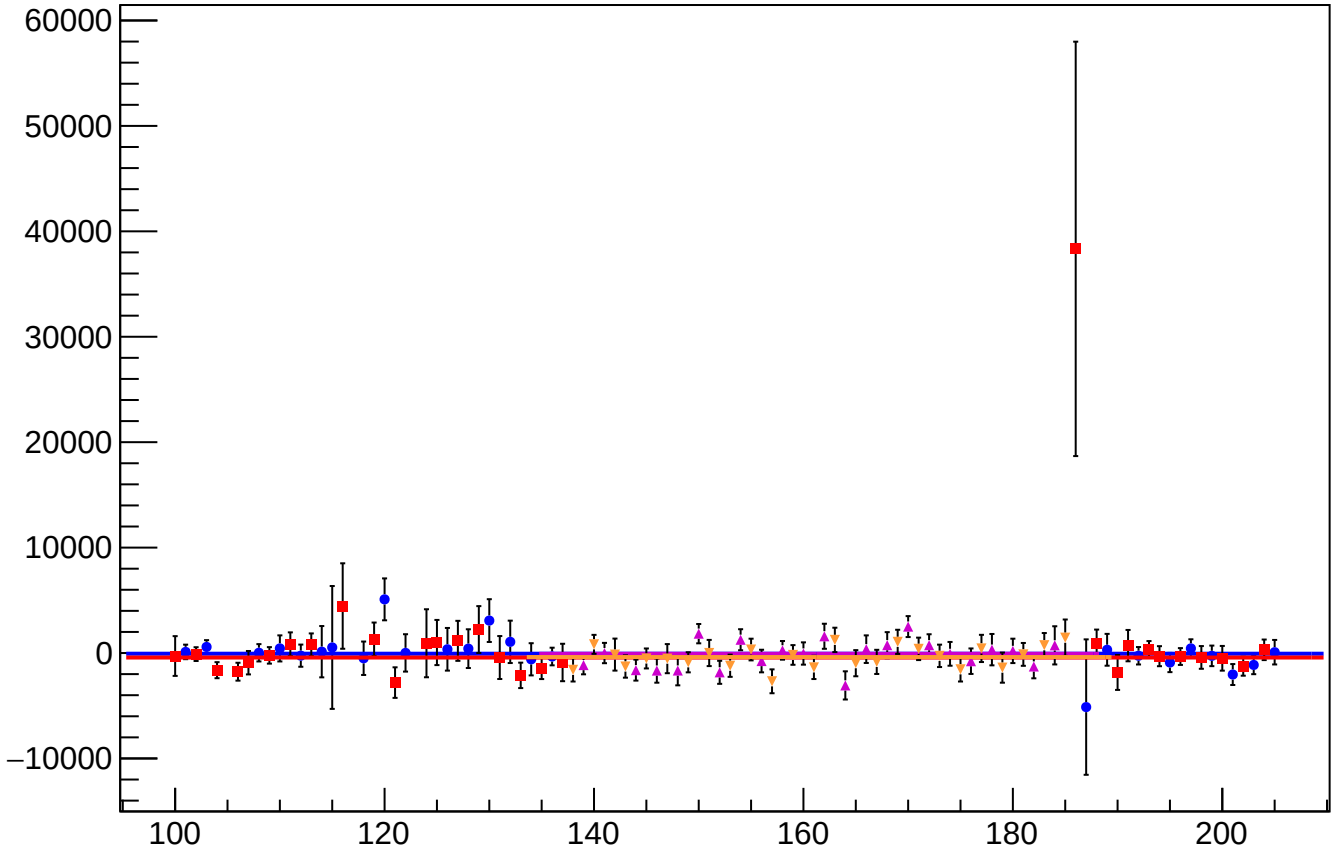
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.466+/-0.017 χ^2/NDF: 3403905.3/49

All: 132.993+/-0.012 χ^2/NDF: 8228415.5/102

- sign 131.562+/-0.017 χ^2/NDF: 4809497.5/52

asym_sam5_reg_correction_mean vs Slug



Right In: -64.517+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -427.776+/-207.254 χ^2/NDF: 27.7/29

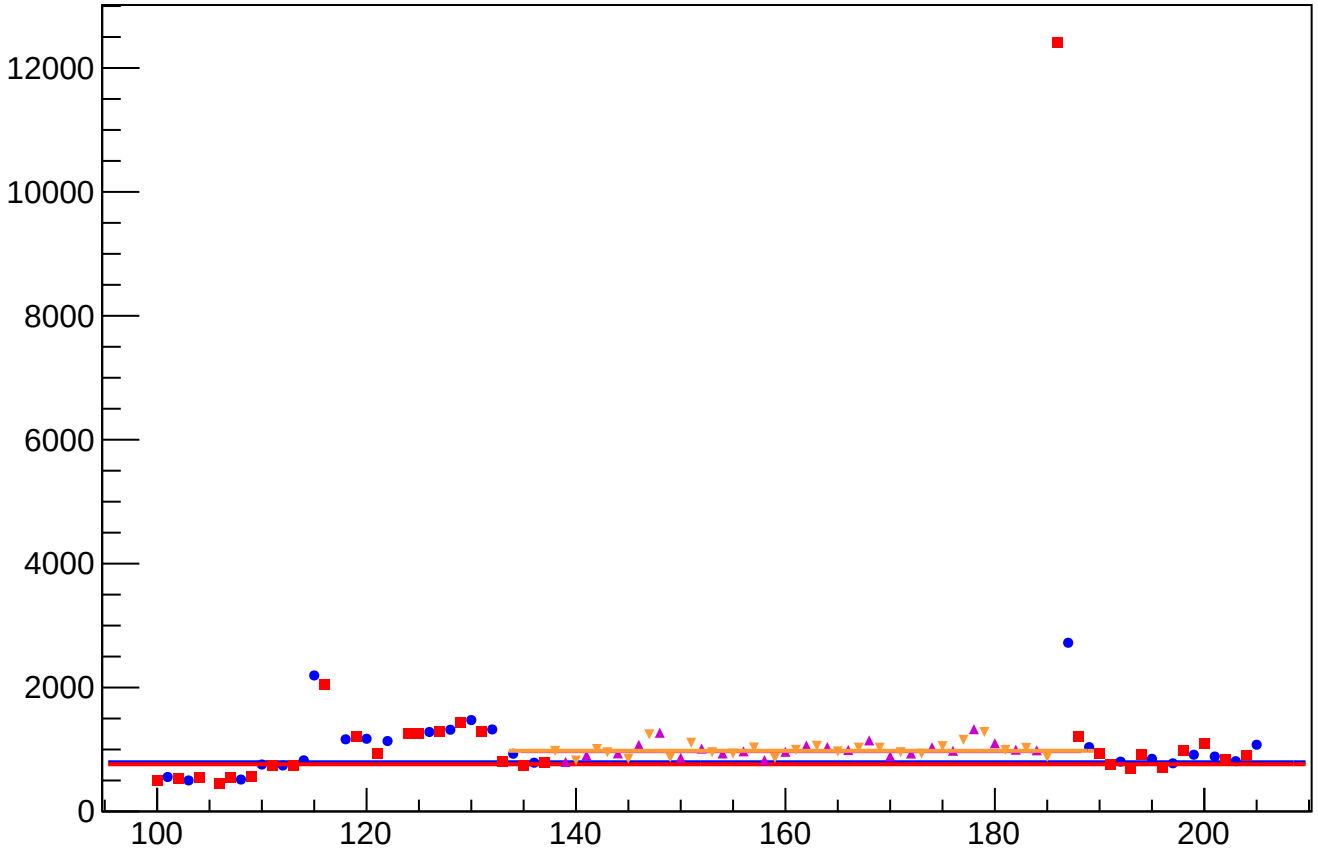
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -221.218+/-158.086 χ^2/NDF: 38.3/49

All: -245.892+/-110.275 χ^2/NDF: 100.4/102

- sign -269.278+/-153.902 χ^2/NDF: 62.1/52

asym_sam5_reg_correction_rms vs Slug



Right In: 793.720+/-0.157 χ^2/NDF: 2331173.4/24

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 761.596+/-0.147 χ^2/NDF: 3323503.4/29

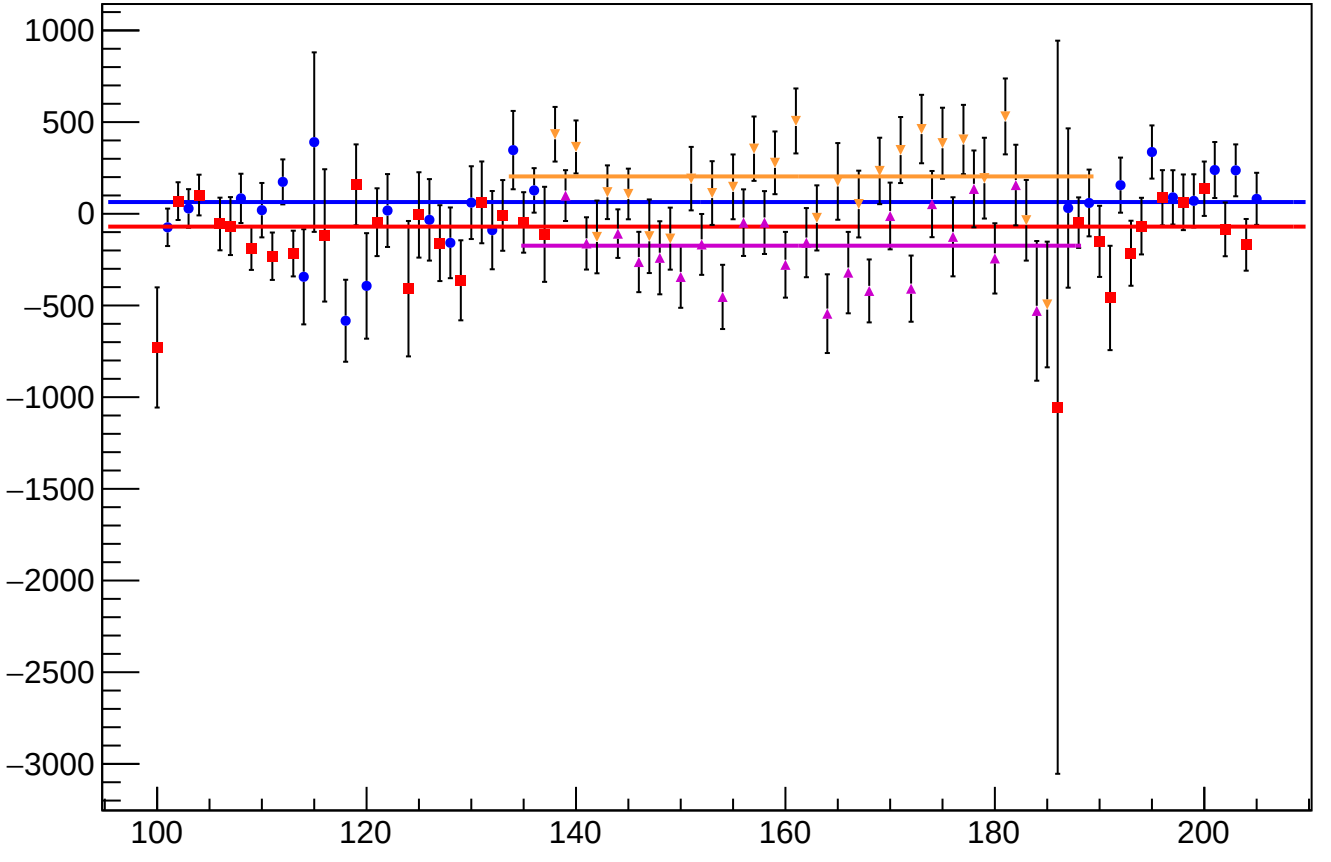
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 885.603+/-0.112 χ^2/NDF: 3448561.8/49

All: 870.812+/-0.078 χ^2/NDF: 8245453.3/102

- sign 856.794+/-0.109 χ^2/NDF: 4762790.8/52

cor_asym_sam5_mean vs Slug



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -69.938+/-30.272 χ^2/NDF: 24.0/29

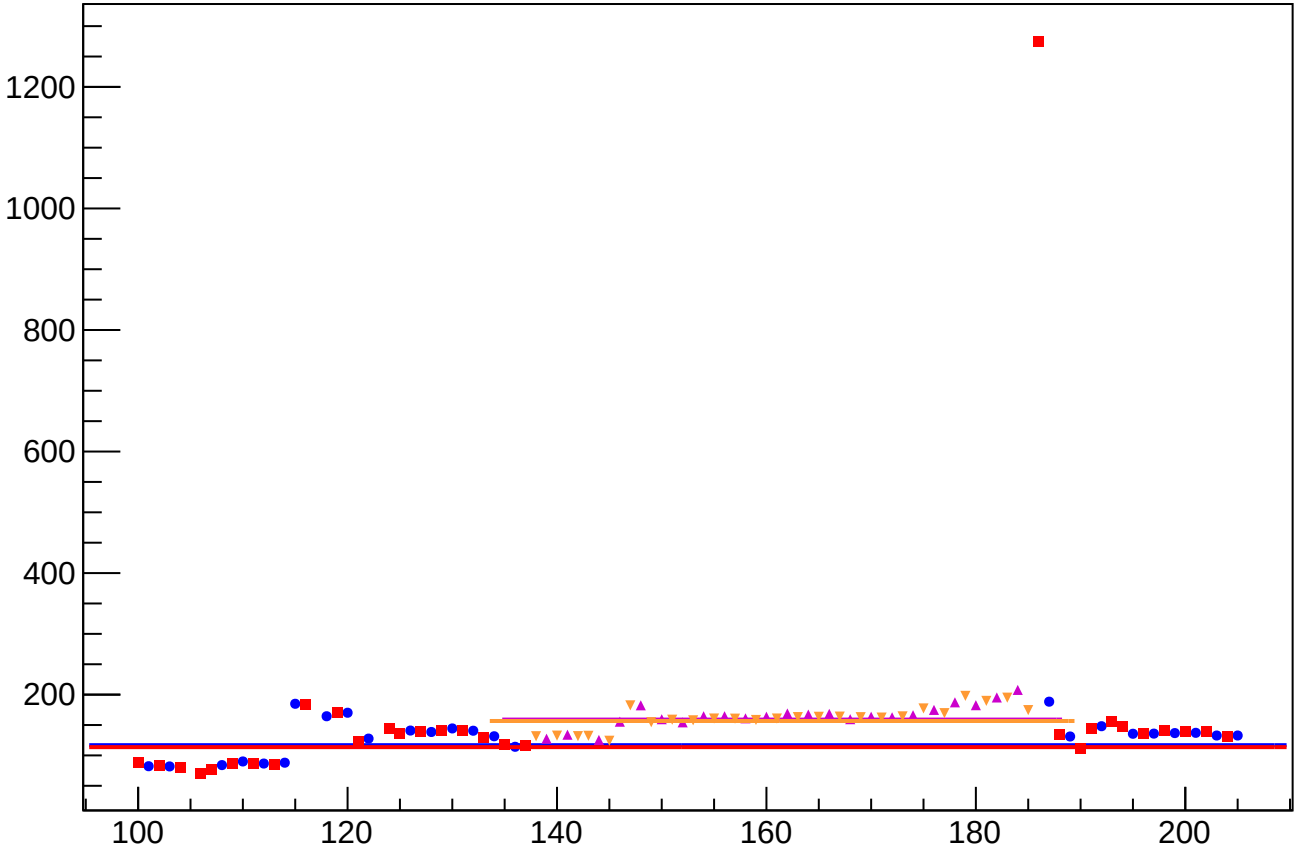
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 125.955+/-23.878 χ^2/NDF: 68.9/49

All: 5.689+/-16.760 χ^2/NDF: 172.1/102

- sign -111.112+/-23.531 χ^2/NDF: 53.2/52

cor_asym_sam5_rms vs Slug



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

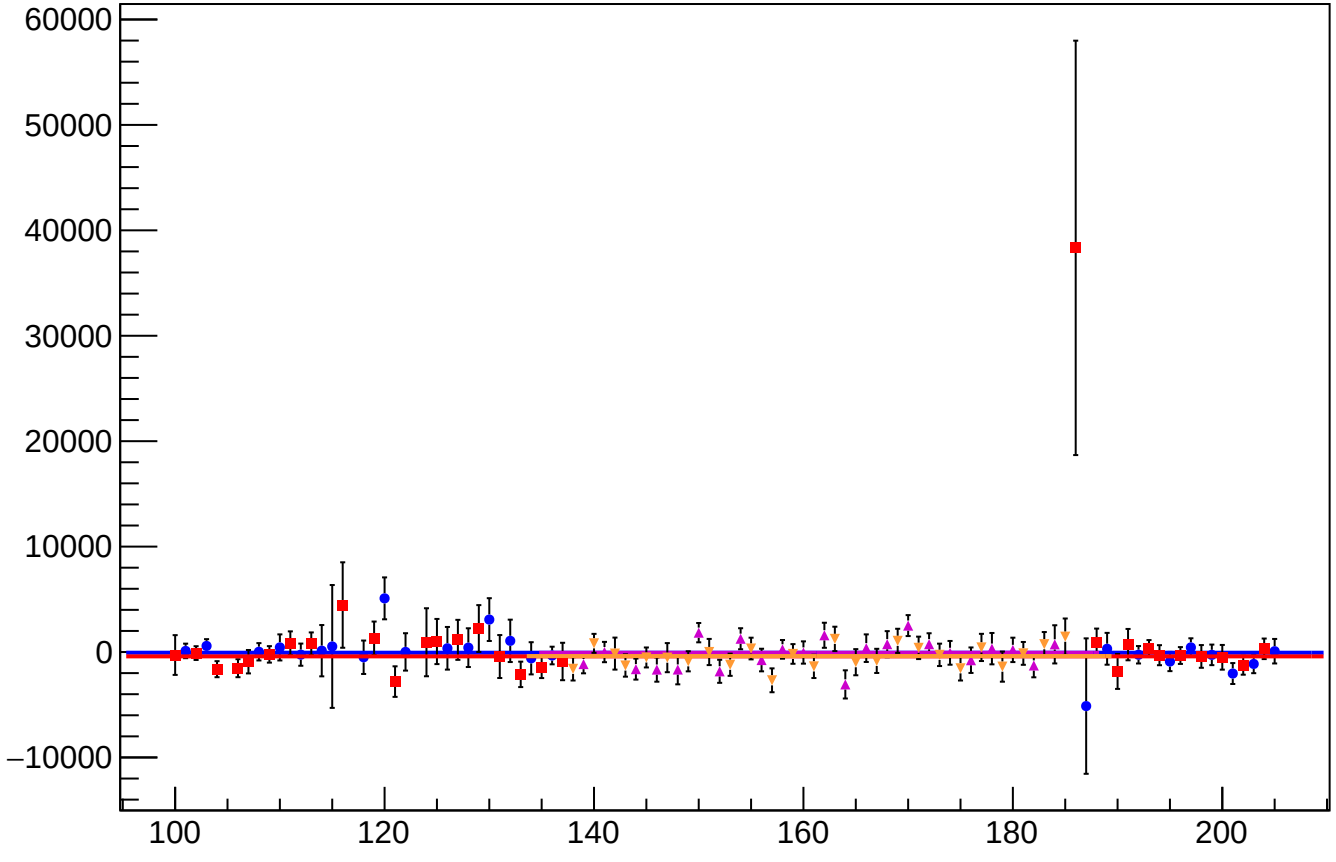
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.466+/-0.017 χ^2/NDF: 3403903.3/49

All: 132.989+/-0.012 χ^2/NDF: 8232607.0/102

- sign 131.554+/-0.017 χ^2/NDF: 4813614.1/52

asym_sam5_cor_correction_mean vs Slug



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.444+/-207.335 χ^2/NDF: 26.9/29

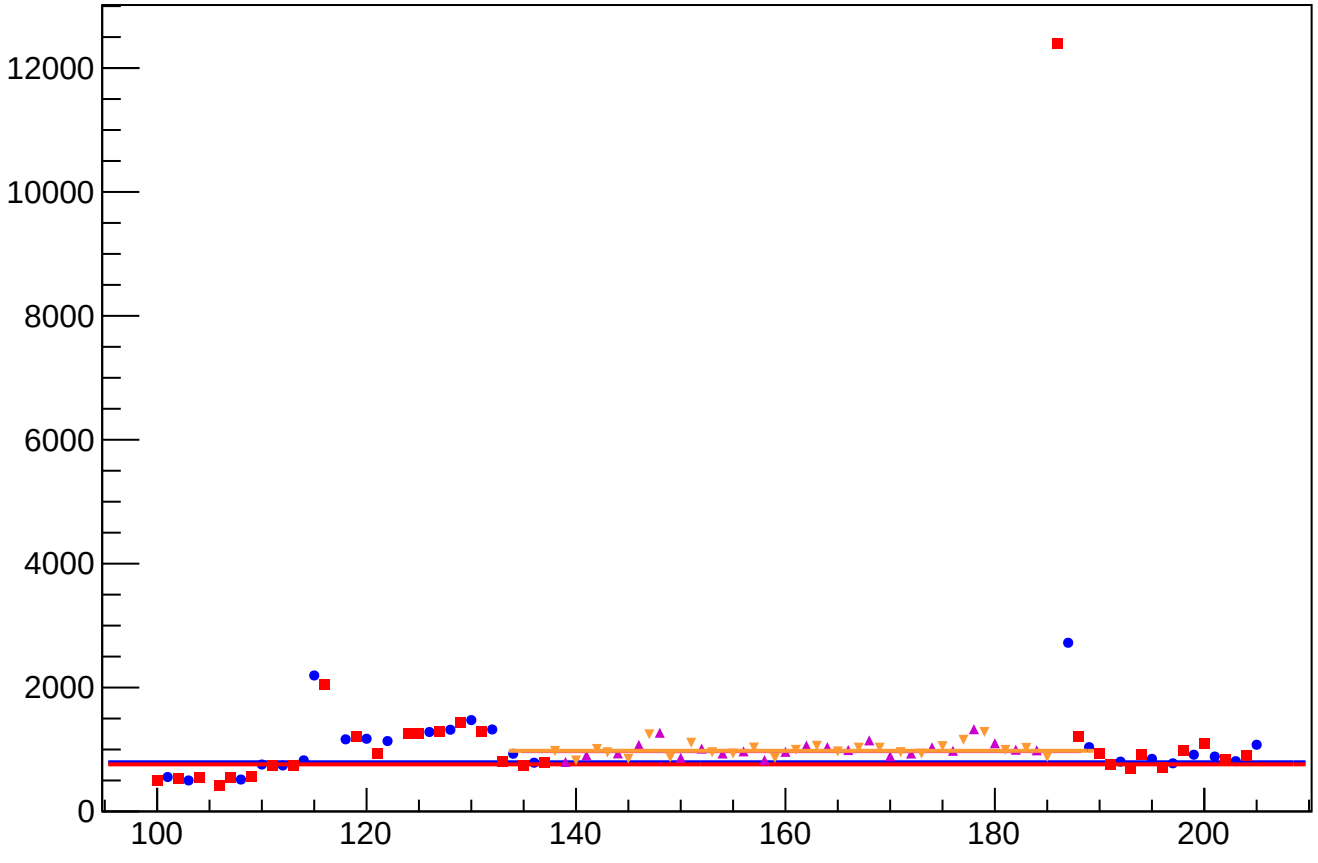
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -221.212+/-158.086 χ^2/NDF: 38.3/49

All: -241.511+/-110.287 χ^2/NDF: 99.5/102

- sign -260.758+/-153.935 χ^2/NDF: 61.2/52

asym_sam5_cor_correction_rms vs Slug



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

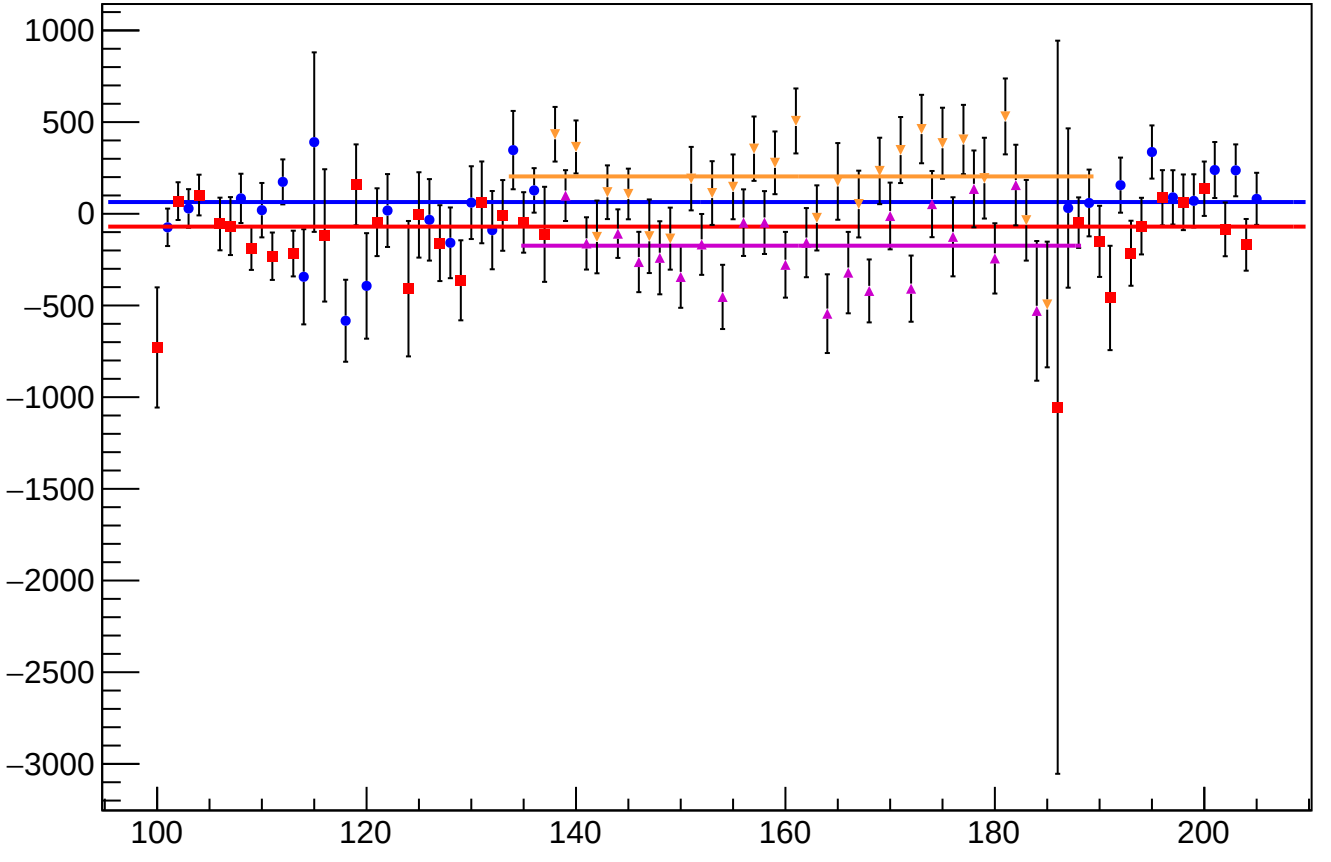
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 885.603+/-0.112 χ^2/NDF: 3448567.5/49

All: 870.498+/-0.078 χ^2/NDF: 8297126.1/102

- sign 856.175+/-0.109 χ^2/NDF: 4812985.3/52

eigen_cor_asym_sam5_mean vs Slug



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -69.938+/-30.272 χ^2/NDF: 24.0/29

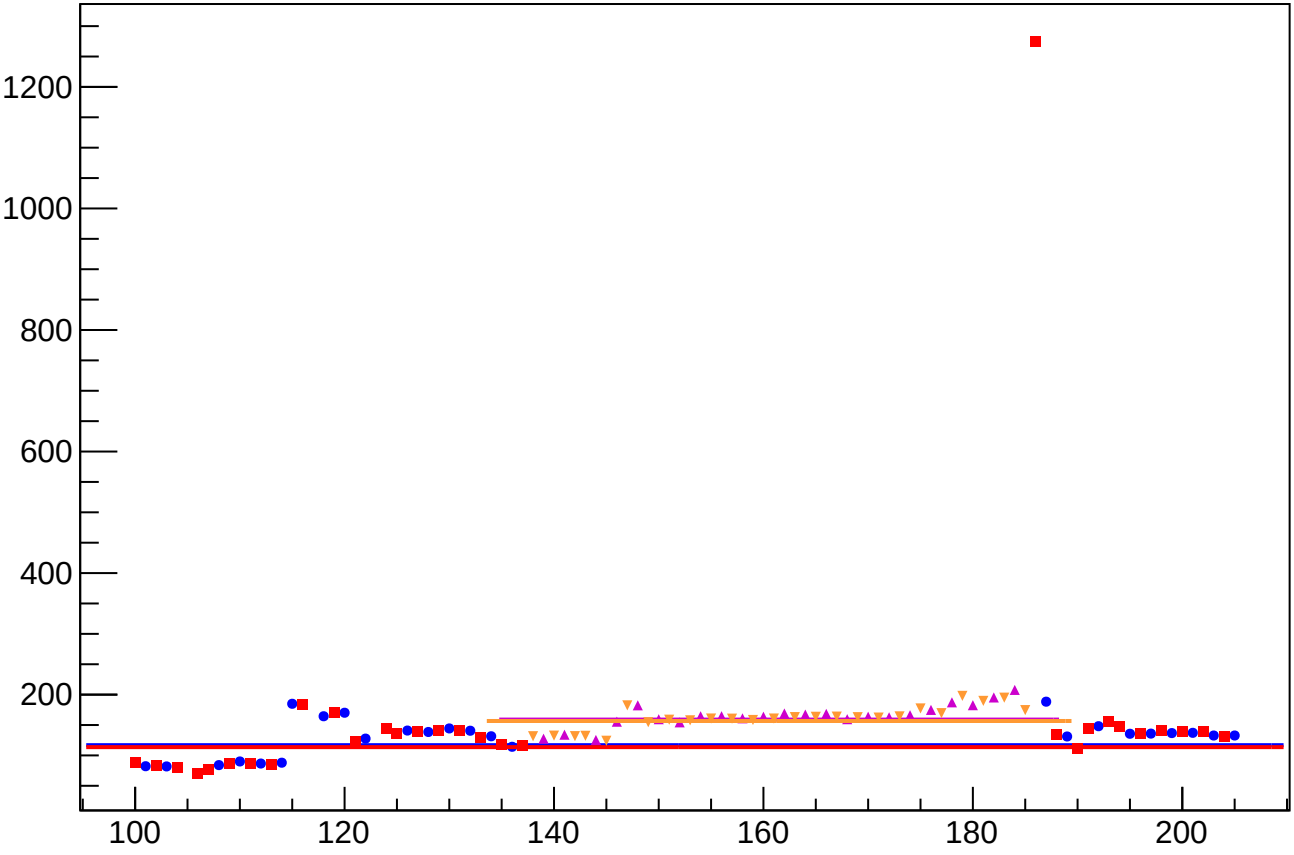
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 125.955+/-23.878 χ^2/NDF: 68.9/49

All: 5.689+/-16.760 χ^2/NDF: 172.1/102

- sign -111.112+/-23.531 χ^2/NDF: 53.2/52

eigen_cor_asym_sam5_rms vs Slug



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

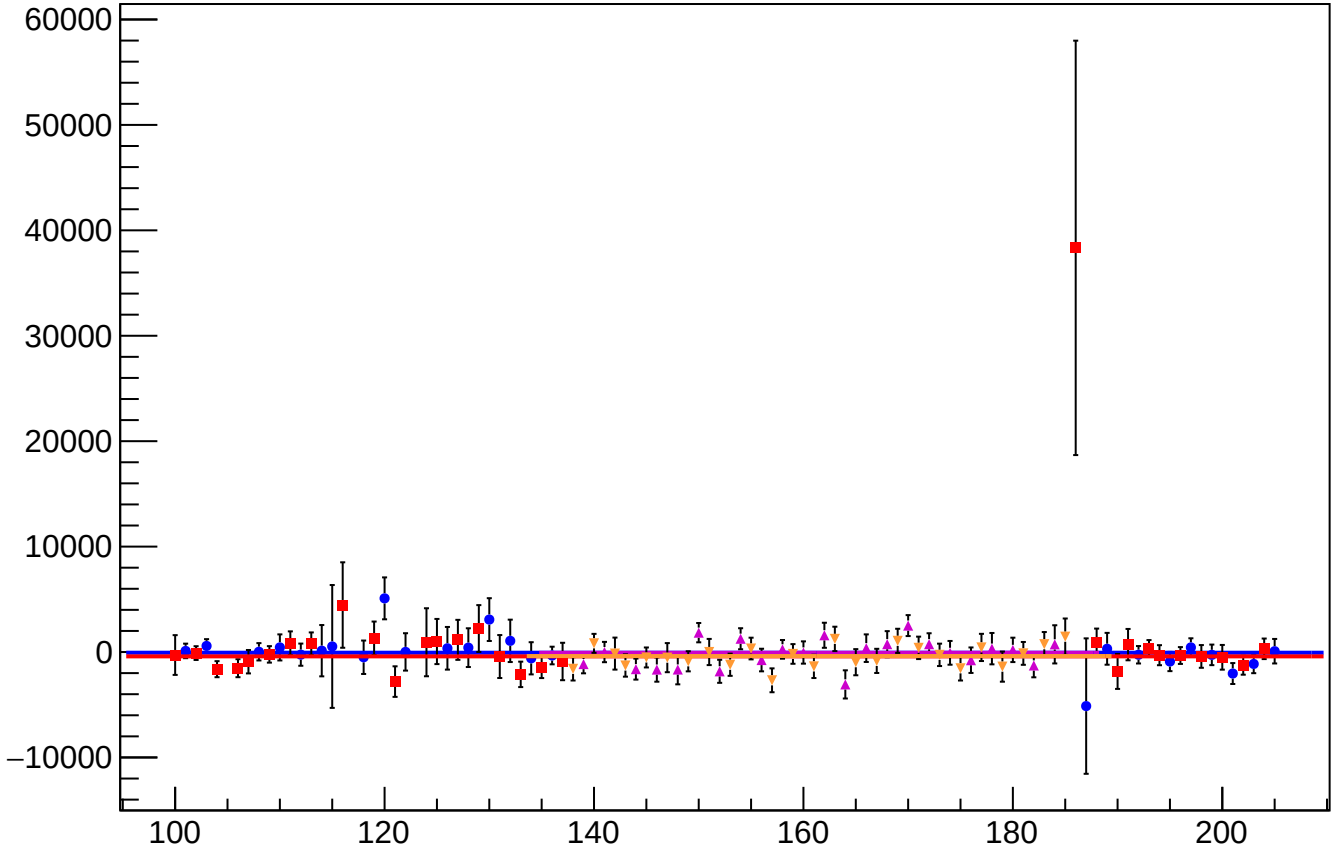
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.466+/-0.017 χ^2/NDF: 3403903.3/49

All: 132.989+/-0.012 χ^2/NDF: 8232607.0/102

- sign 131.554+/-0.017 χ^2/NDF: 4813614.1/52

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.444+/-207.335 χ^2/NDF: 26.9/29

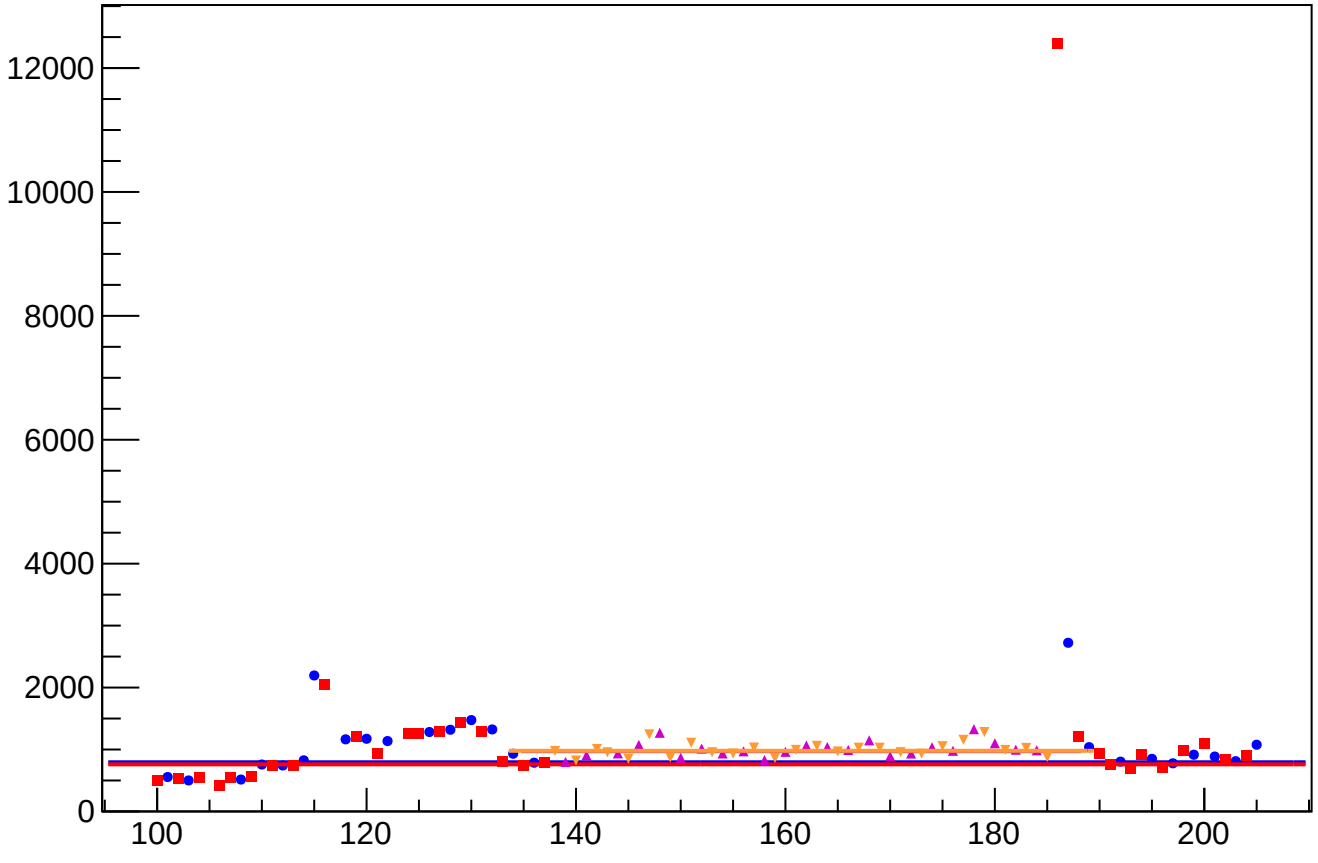
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -221.212+/-158.086 χ^2/NDF: 38.3/49

All: -241.511+/-110.287 χ^2/NDF: 99.5/102

- sign -260.758+/-153.935 χ^2/NDF: 61.2/52

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

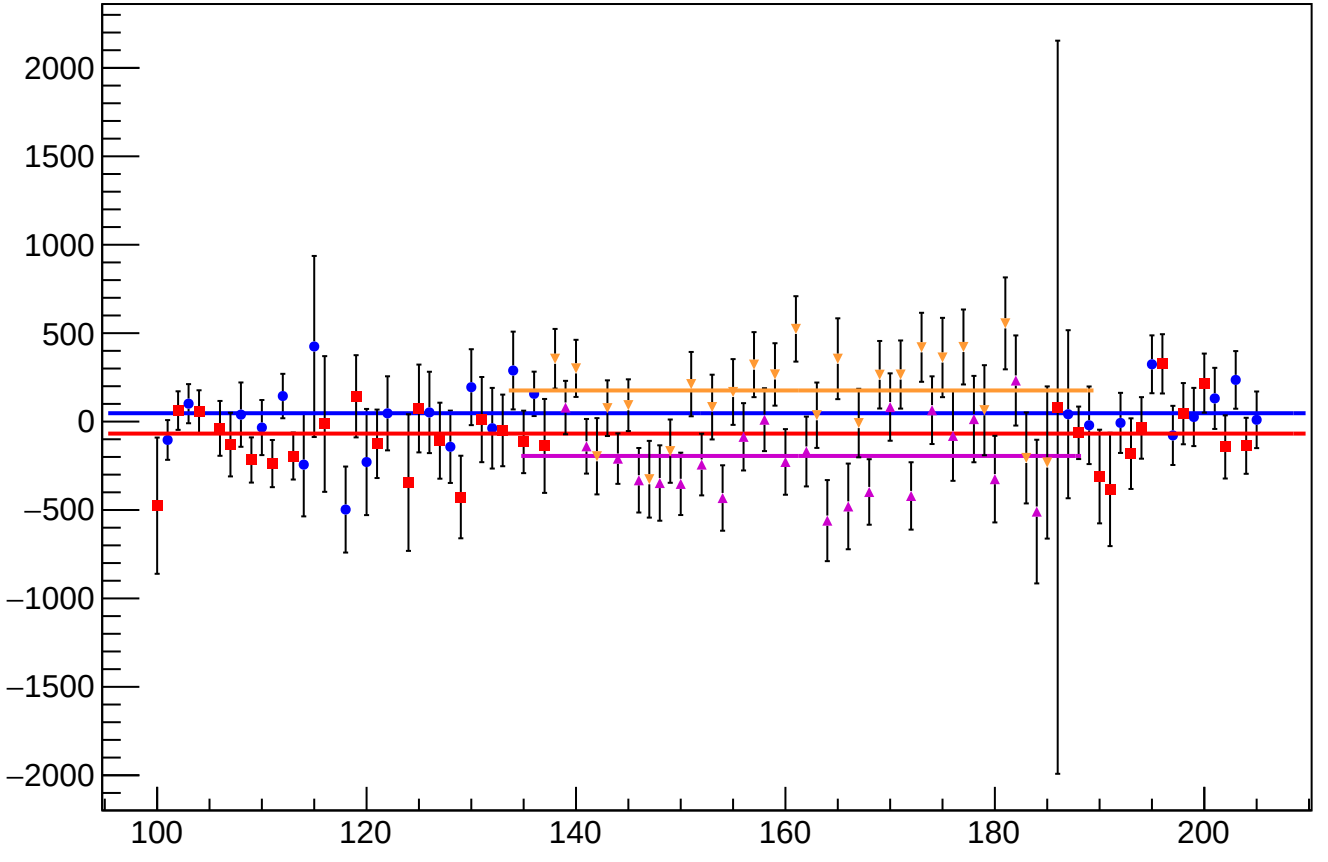
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 885.603+/-0.112 χ^2/NDF: 3448567.5/49

All: 870.498+/-0.078 χ^2/NDF: 8297126.1/102

- sign 856.175+/-0.109 χ^2/NDF: 4812985.3/52

dit_asym_sam5_mean vs Slug



Right In: 47.300+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -67.914+/-33.108 χ^2/NDF: 23.5/29

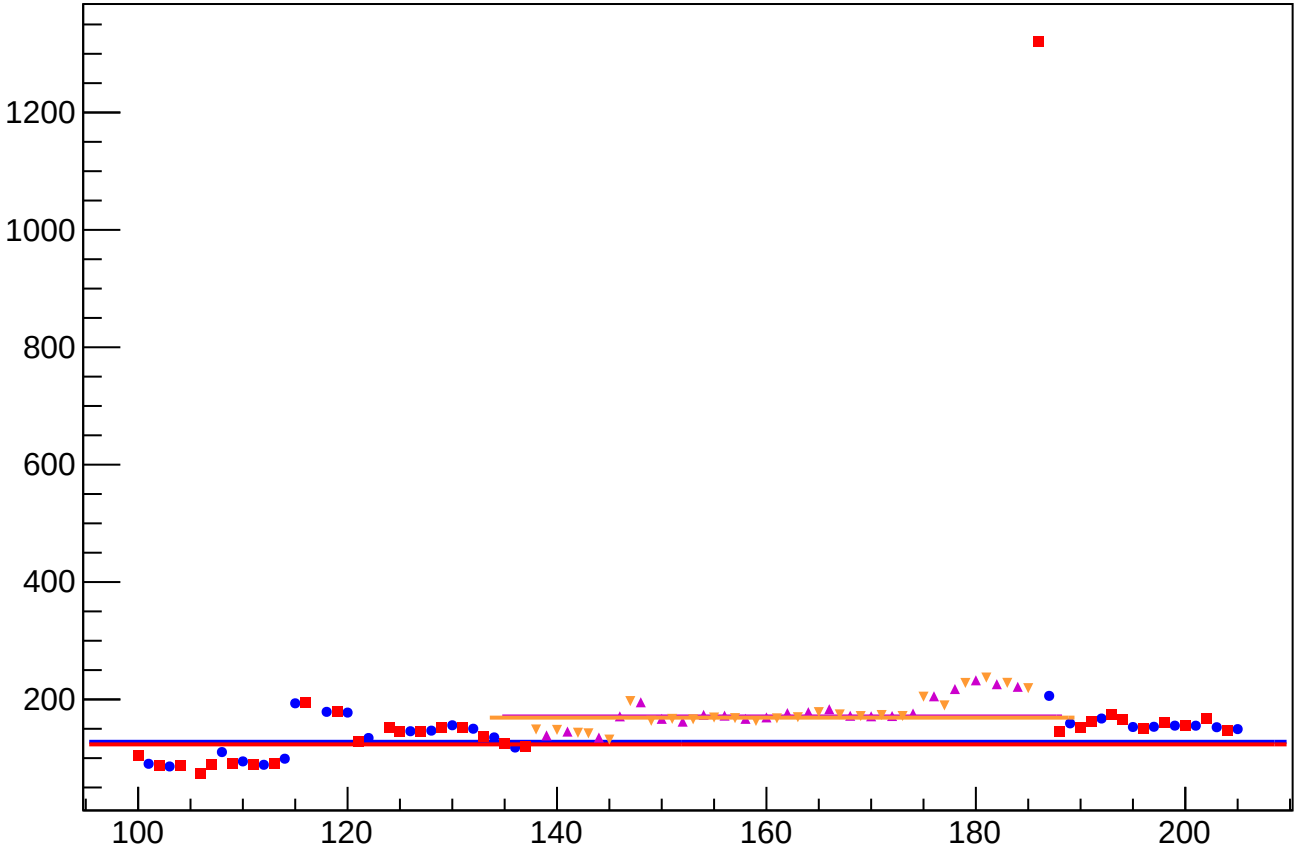
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.233+/-26.056 χ^2/NDF: 55.8/49

All: -8.709+/-18.262 χ^2/NDF: 146.6/102

- sign -118.726+/-25.603 χ^2/NDF: 53.2/52

dit_asym_sam5_rms vs Slug



Right In: 127.828+/-0.025 χ^2/NDF: 1597897.3/24

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776174.0/29

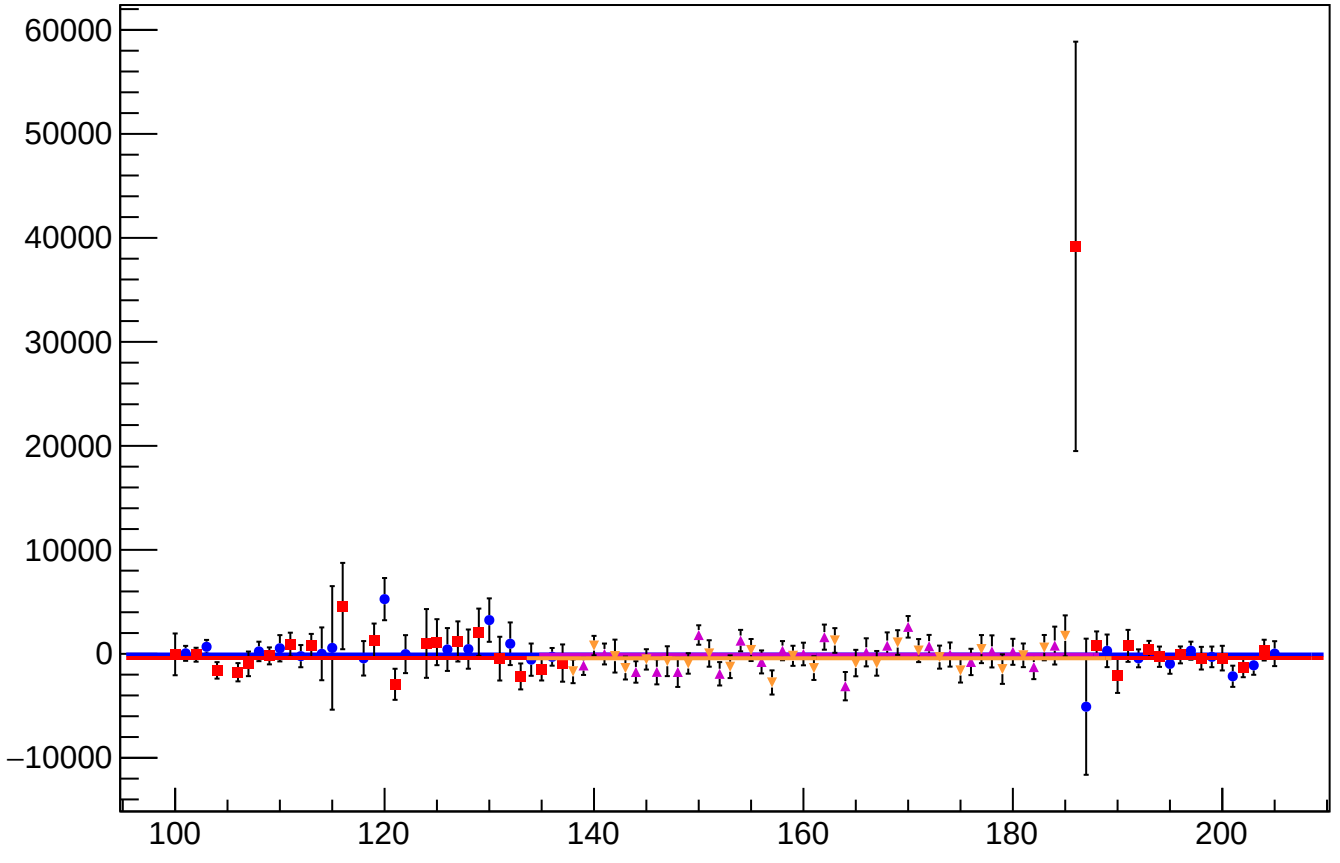
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.364+/-0.018 χ^2/NDF: 3608352.3/49

All: 144.429+/-0.013 χ^2/NDF: 8745250.3/102

- sign 142.561+/-0.018 χ^2/NDF: 5115223.9/52

asym_sam5_dit_correction_mean vs Slug



Right In: -63.581+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -399.245+/-214.113 χ^2/NDF: 27.7/29

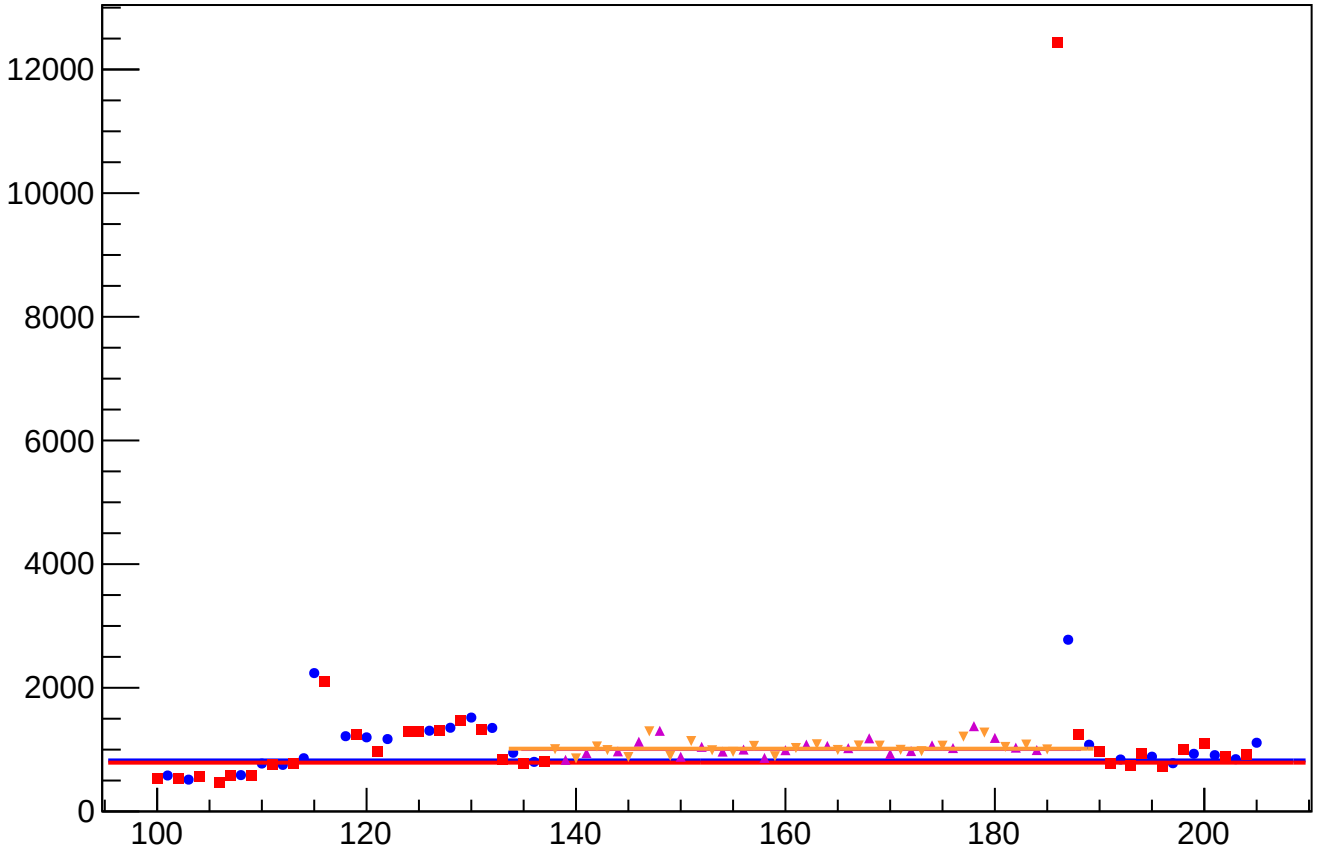
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -243.125+/-163.729 χ^2/NDF: 38.7/49

All: -251.512+/-114.148 χ^2/NDF: 99.7/102

- sign -259.444+/-159.224 χ^2/NDF: 61.0/52

asym_sam5_dit_correction_rms vs Slug



Right In: 824.893+/-0.163 χ^2/NDF: 2203165.2/24

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

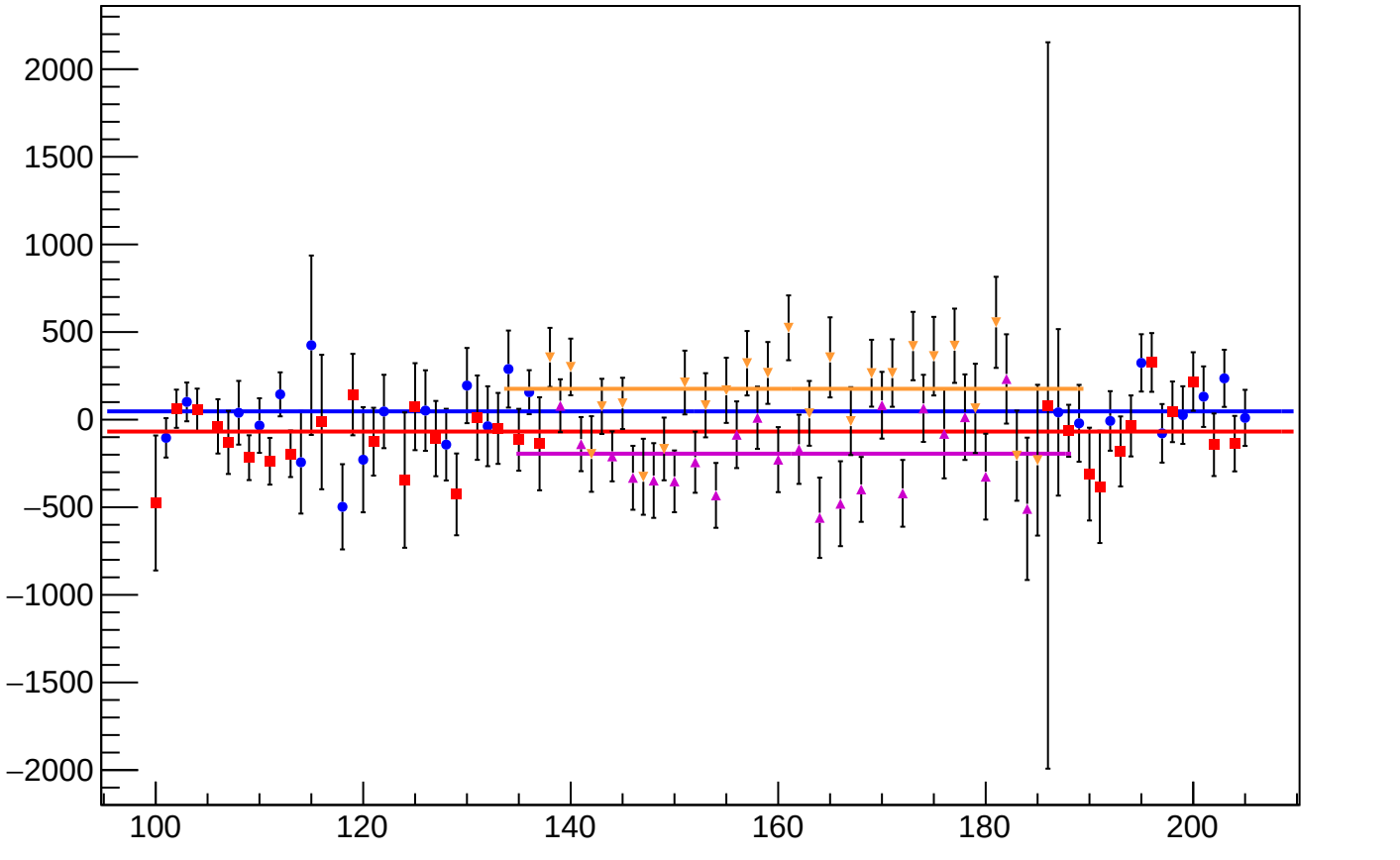
Right Out: 789.393+/-0.151 χ^2/NDF: 3211544.6/29

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 919.143+/-0.116 χ^2/NDF: 3275494.7/49

All: 903.063+/-0.081 χ^2/NDF: 7969572.5/102

- sign 887.856+/-0.113 χ^2/NDF: 4656543.6/52



Right In: 47.299+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -67.915+/-33.108 χ^2/NDF: 23.5/29

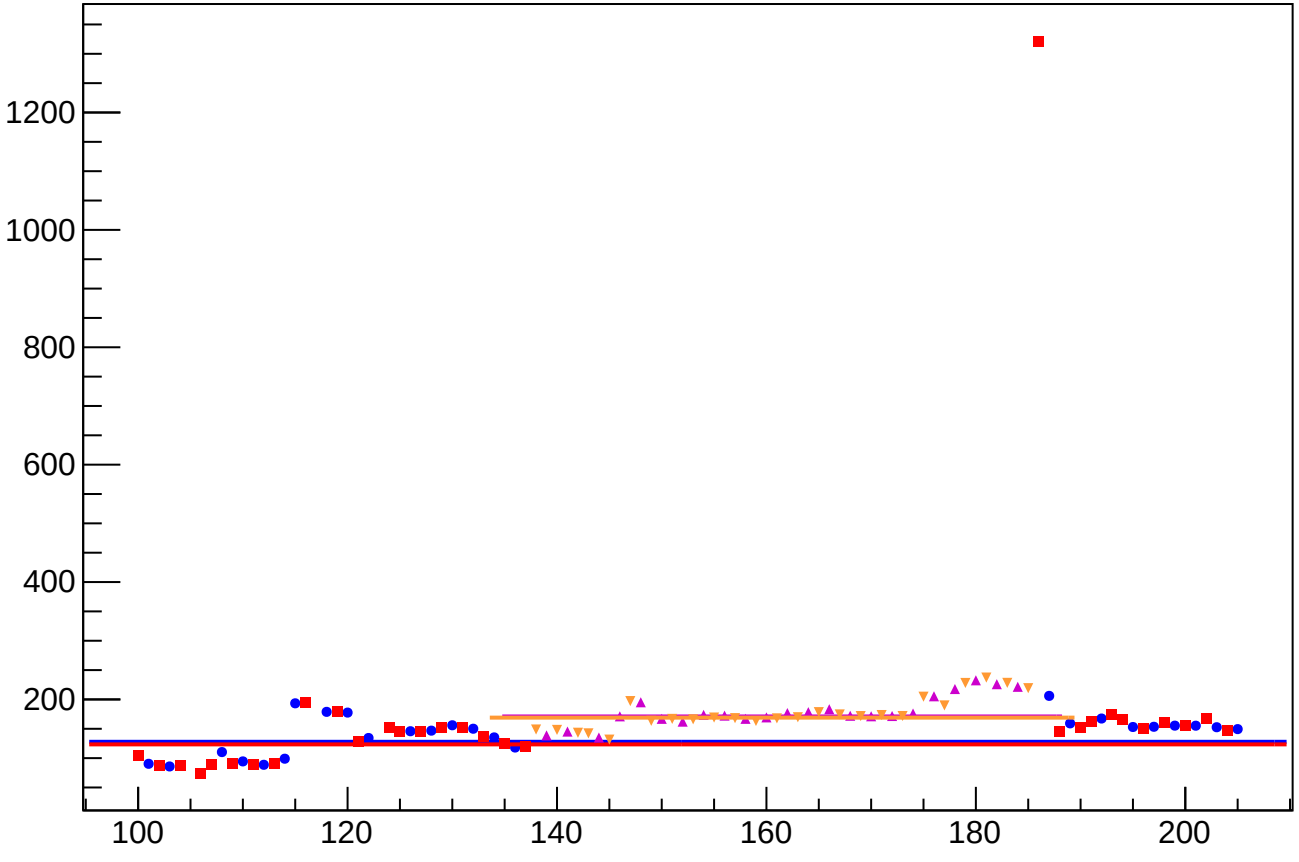
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.233+/-26.056 χ^2/NDF: 55.8/49

All: -8.709+/-18.262 χ^2/NDF: 146.6/102

- sign -118.726+/-25.603 χ^2/NDF: 53.2/52

eigen_dit_asym_sam5_rms vs Slug



Right In: 127.828+/-0.025 χ^2/NDF: 1597904.2/24

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776179.7/29

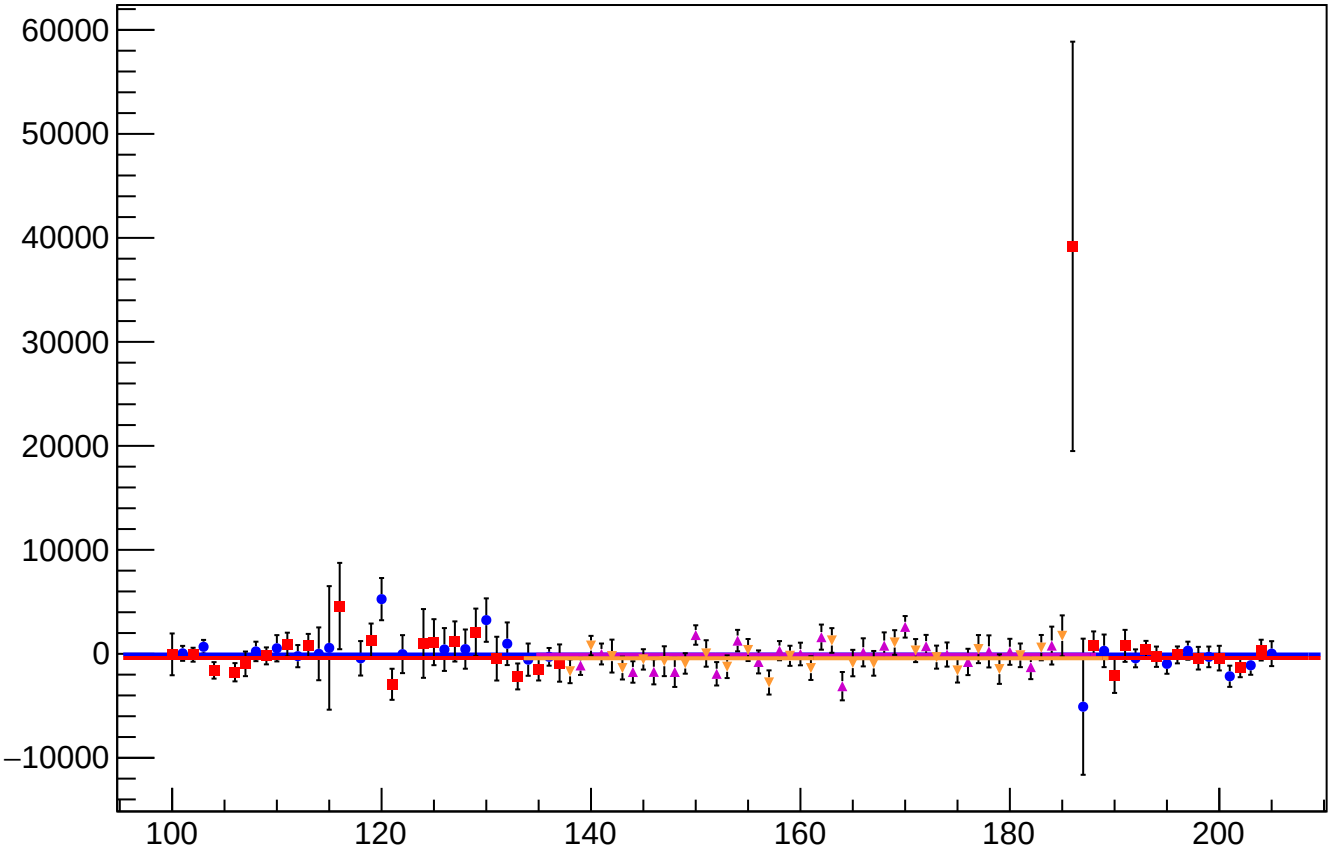
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.364+/-0.018 χ^2/NDF: 3608370.8/49

All: 144.429+/-0.013 χ^2/NDF: 8745291.7/102

- sign 142.561+/-0.018 χ^2/NDF: 5115247.8/52

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -63.580+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -399.245+/-214.113 χ^2/NDF: 27.7/29

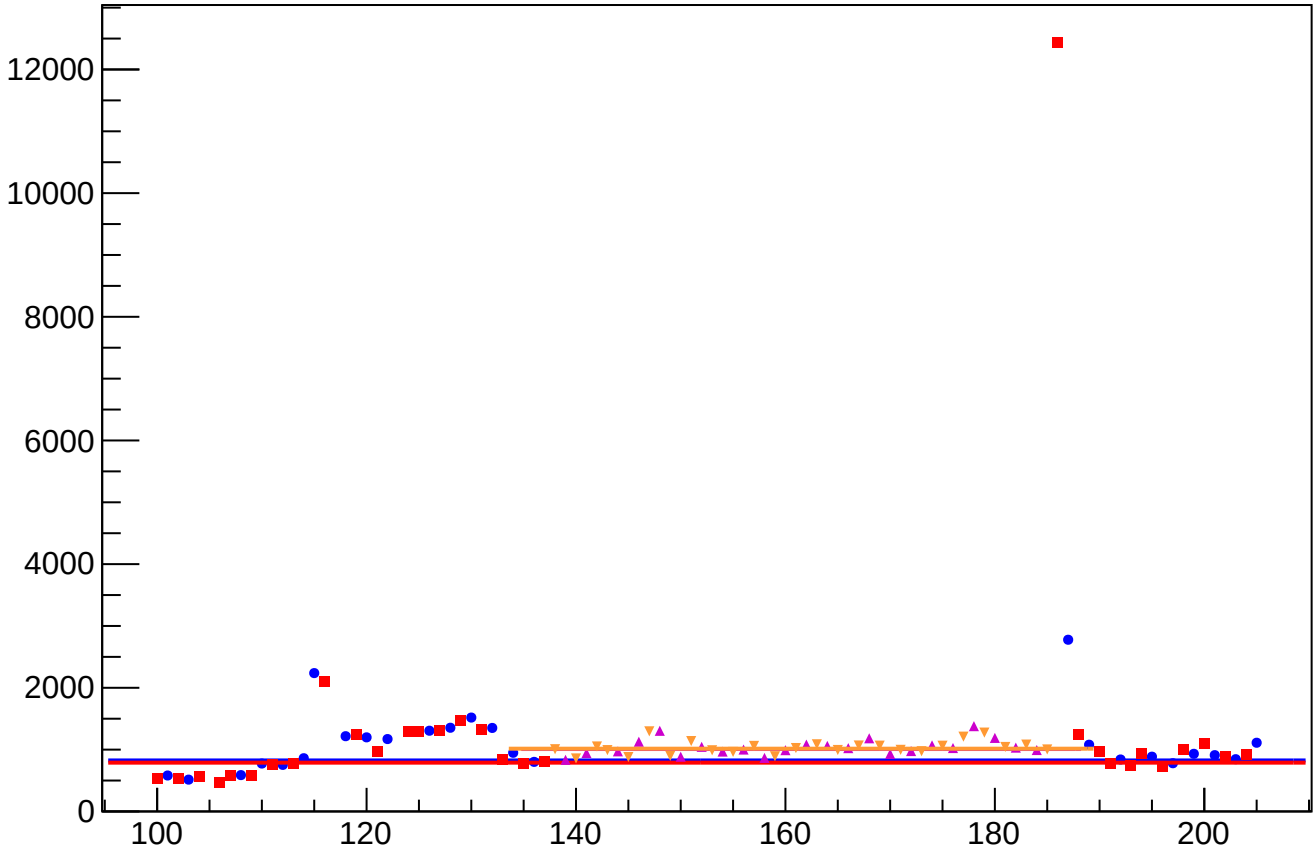
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -243.124+/-163.729 χ^2/NDF: 38.7/49

All: -251.512+/-114.148 χ^2/NDF: 99.7/102

- sign -259.445+/-159.224 χ^2/NDF: 61.0/52

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 824.893+/-0.163 χ^2/NDF: 2203166.7/24

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211553.5/29

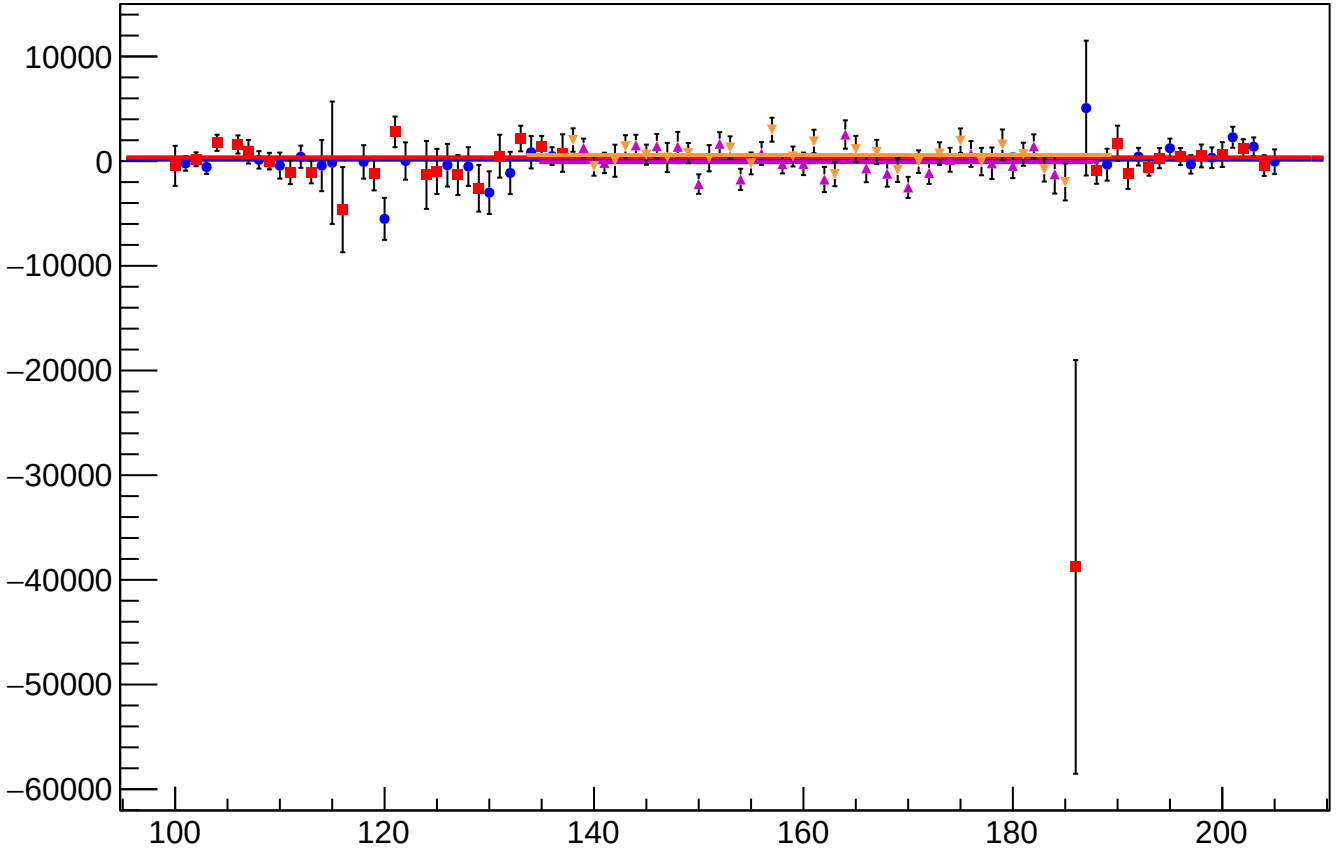
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 919.143+/-0.116 χ^2/NDF: 3275505.5/49

All: 903.063+/-0.081 χ^2/NDF: 7969604.8/102

- sign 887.856+/-0.113 χ^2/NDF: 4656565.4/52

asym_sam5_mean vs Slug



Right In: 142.029+/-225.301 χ^2/NDF: 22.0/24

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 363.370+/-209.997 χ^2/NDF: 30.0/29

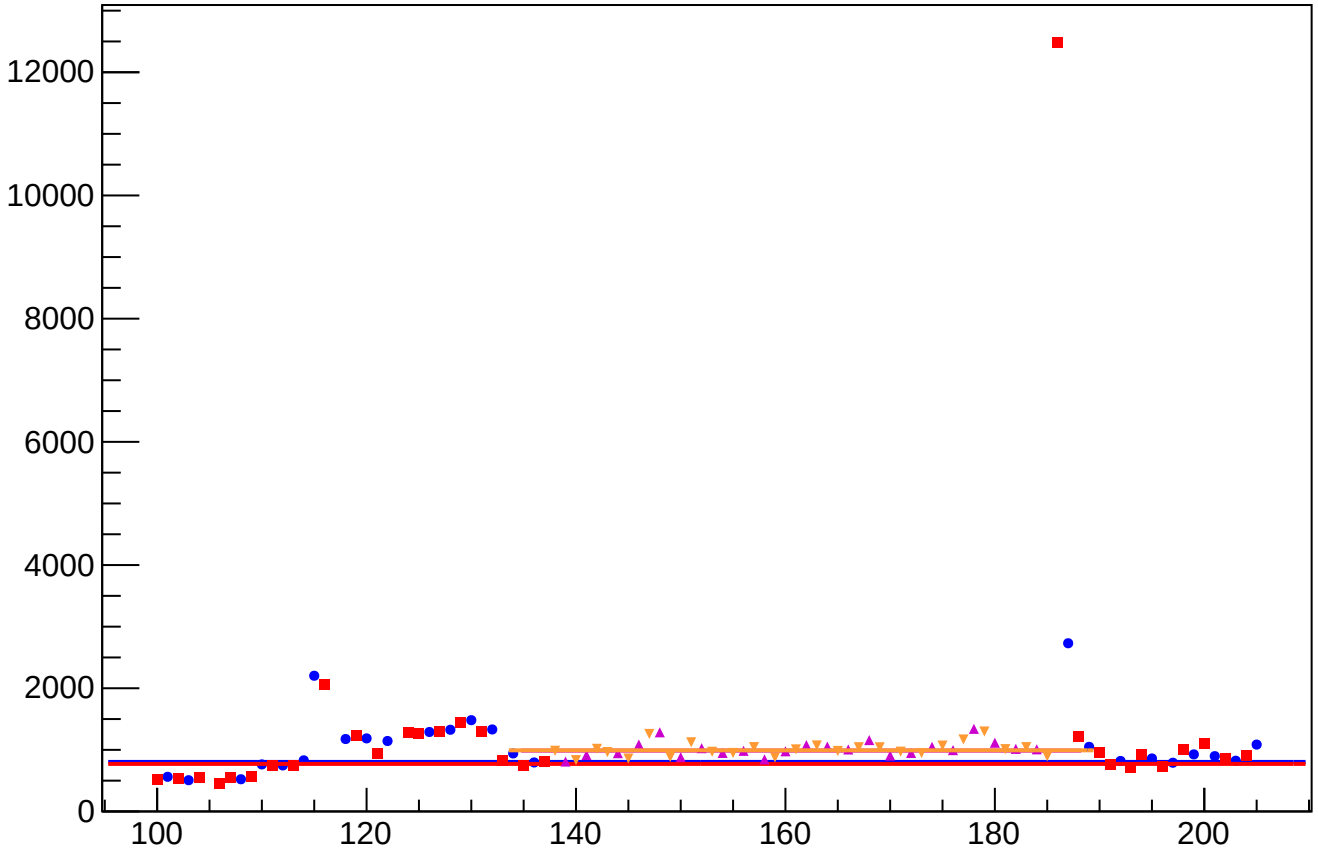
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 361.868+/-160.113 χ^2/NDF: 44.7/49

All: 257.781+/-111.733 χ^2/NDF: 112.3/102

- sign 158.978+/-155.996 χ^2/NDF: 66.7/52

asym_sam5_rms vs Slug



Right In: 803.953+/-0.159 χ^2/NDF: 2306006.8/24

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

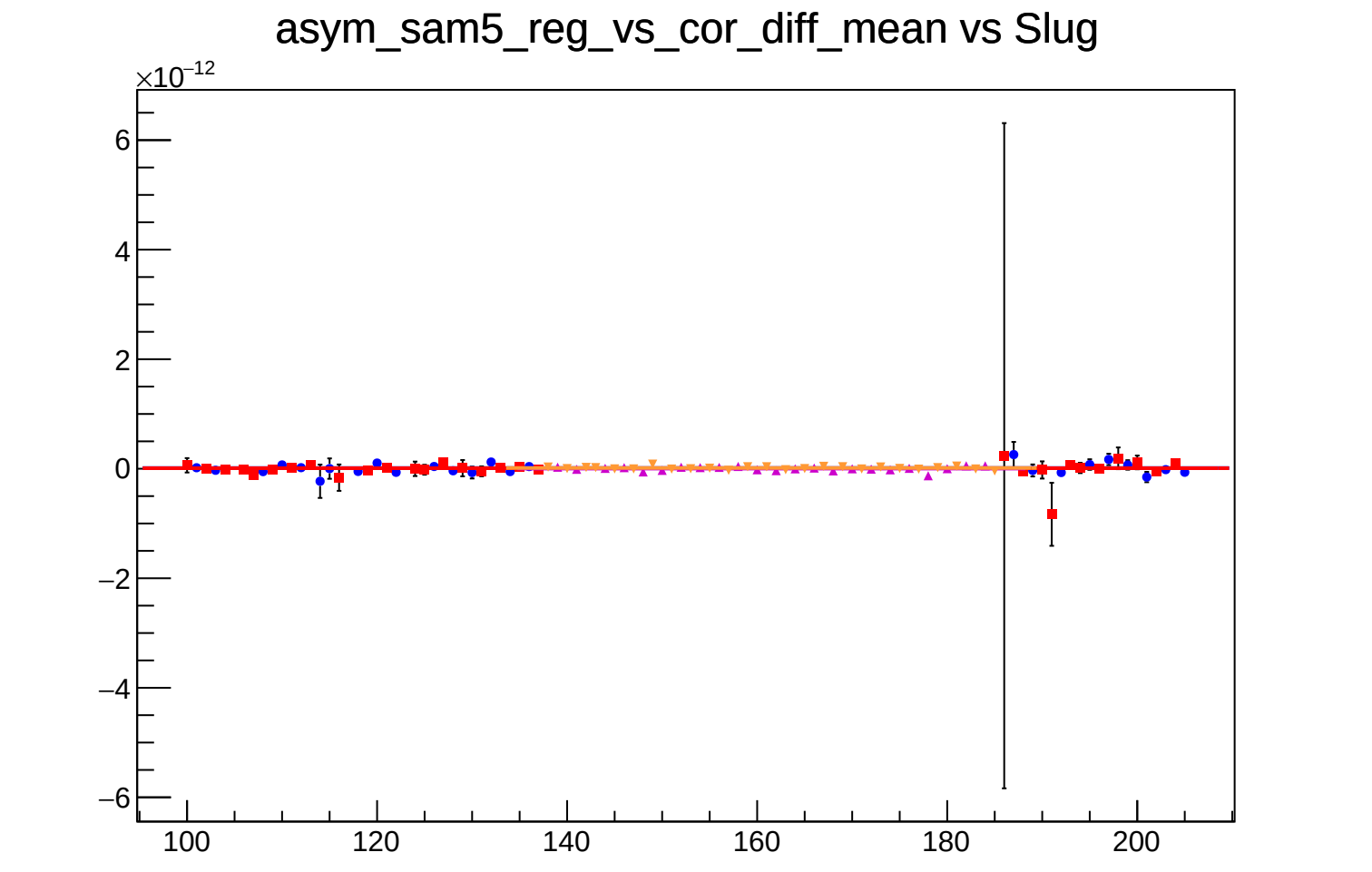
Right Out: 772.038+/-0.148 χ^2/NDF: 3296887.7/29

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 897.300+/-0.113 χ^2/NDF: 3424547.6/49

All: 882.643+/-0.079 χ^2/NDF: 8187934.8/102

- sign 868.729+/-0.110 χ^2/NDF: 4730717.4/52



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

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

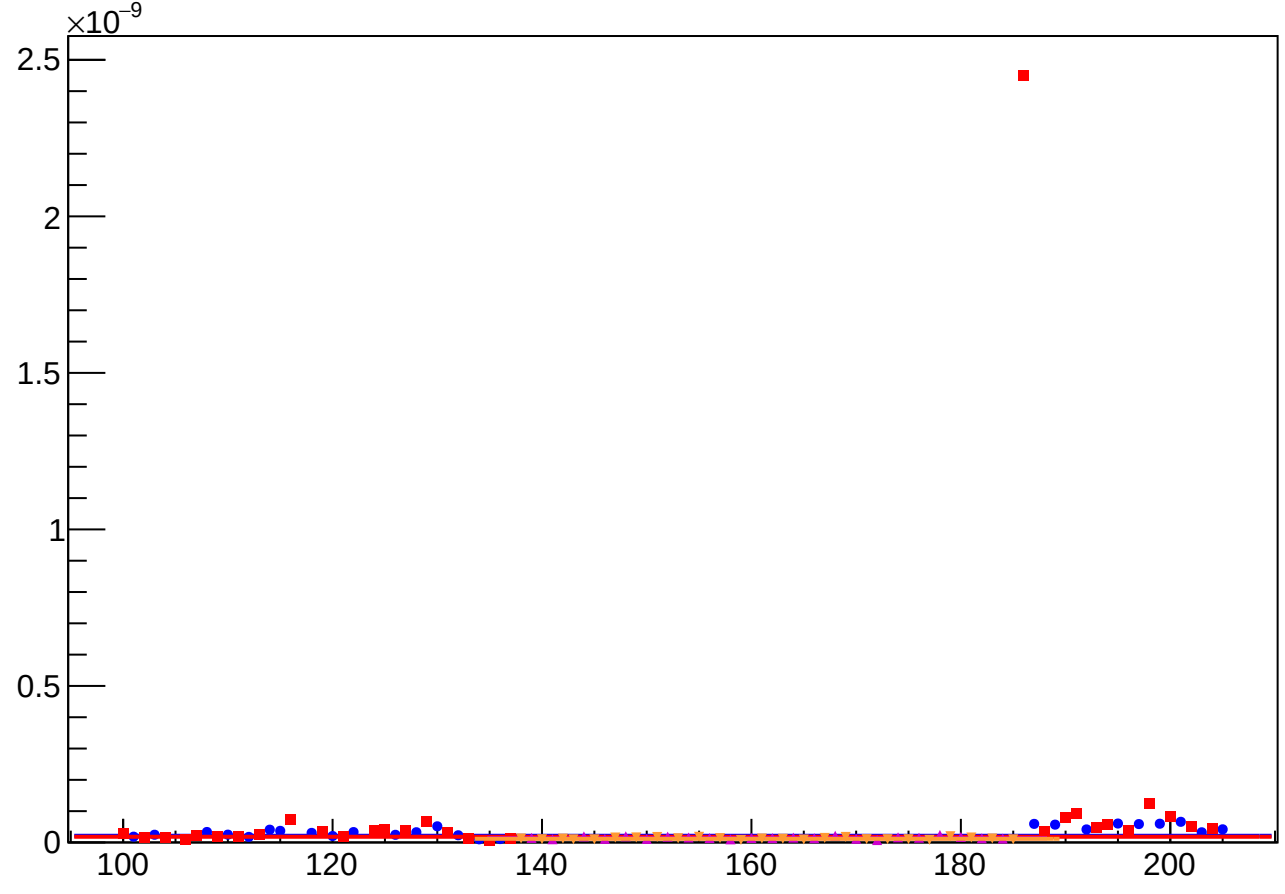
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/29

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/49

All: 0.000+/-0.000 χ^2/NDF: 104.0/102

- sign 0.000+/-0.000 χ^2/NDF: 50.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 3525869.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5468010.1/29

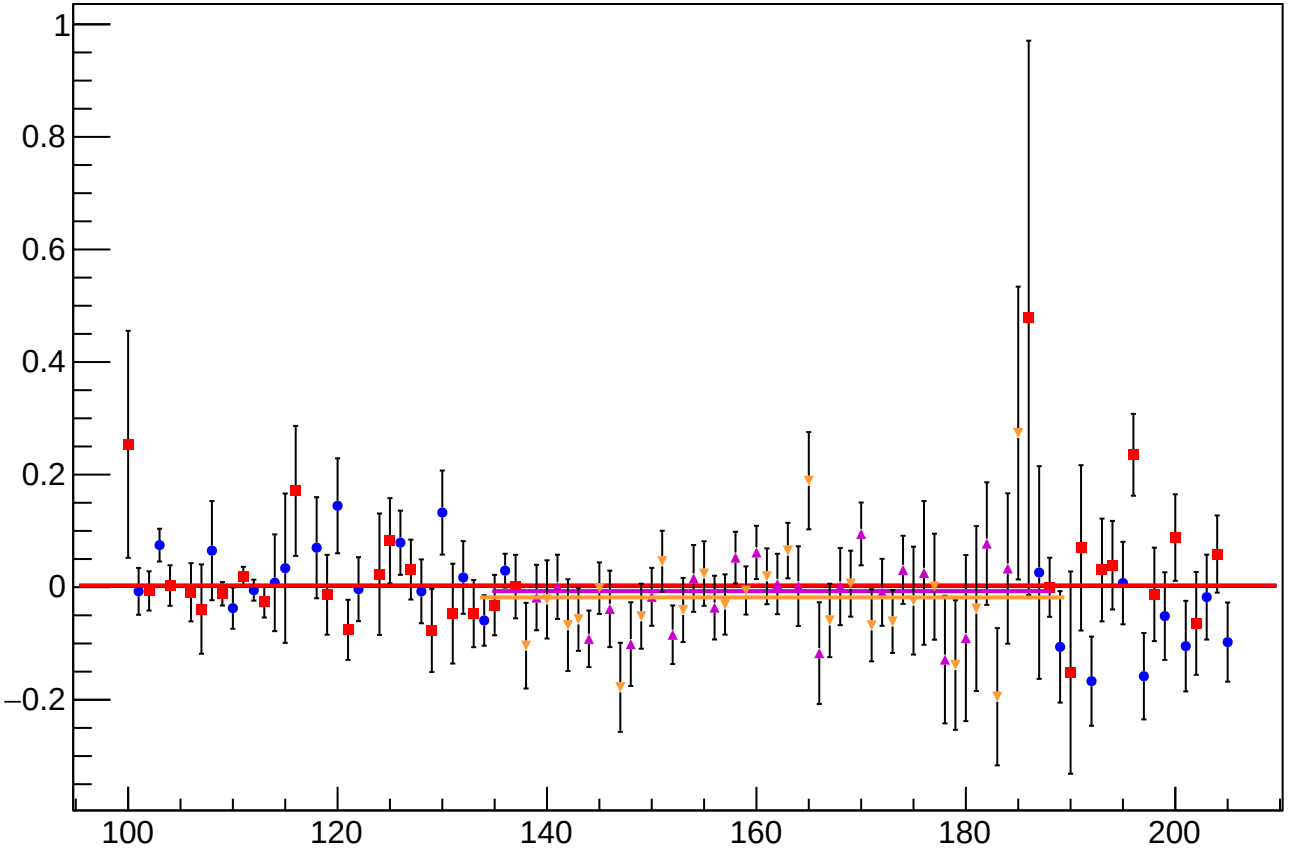
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5838525.6/49

All: 0.000+/-0.000 χ^2/NDF: 12671981.3/102

- sign 0.000+/-0.000 χ^2/NDF: 6750141.9/52

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

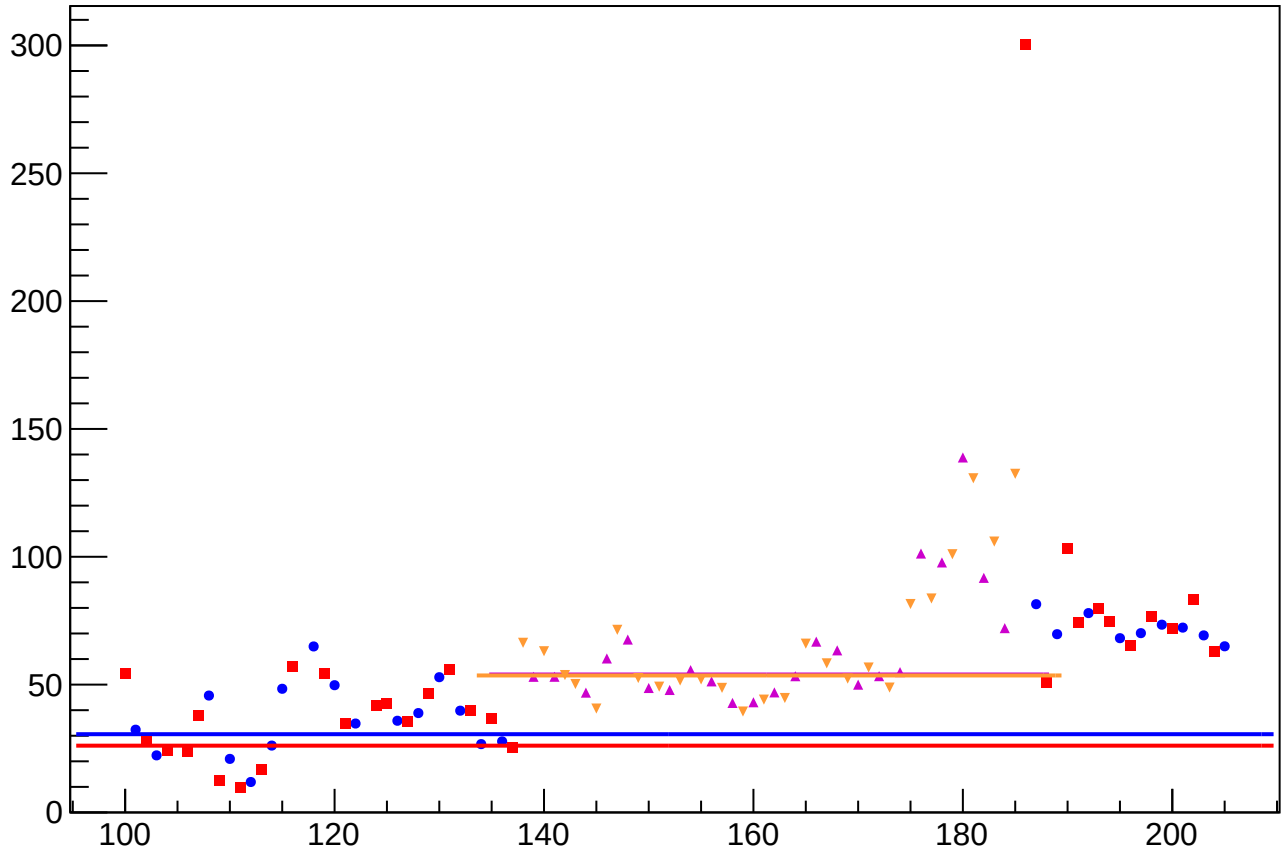
Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 106.7/102

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

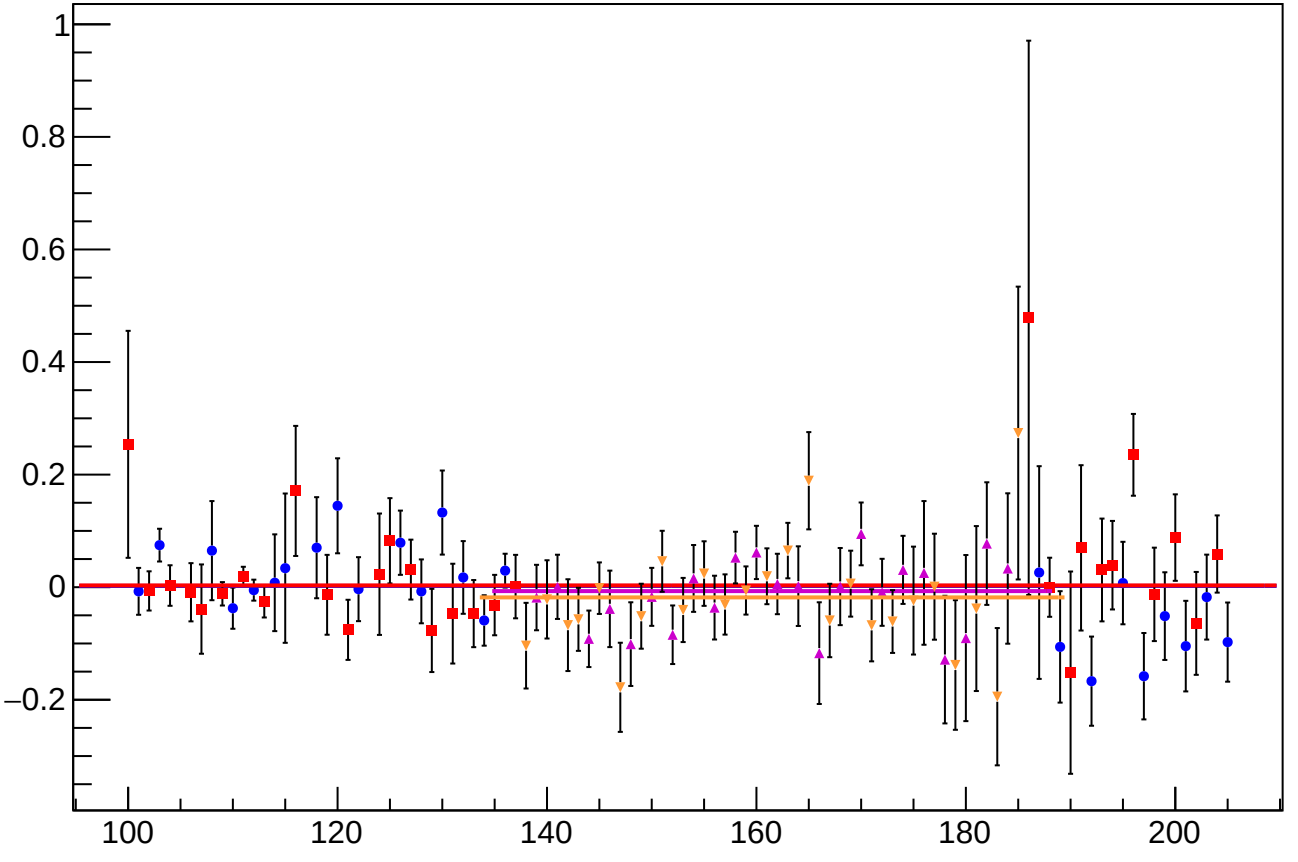
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.176+/-0.006 χ^2/NDF: 14191333.9/49

All: 36.669+/-0.004 χ^2/NDF: 33661472.8/102

- sign 34.517+/-0.005 χ^2/NDF: 19087964.6/52

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

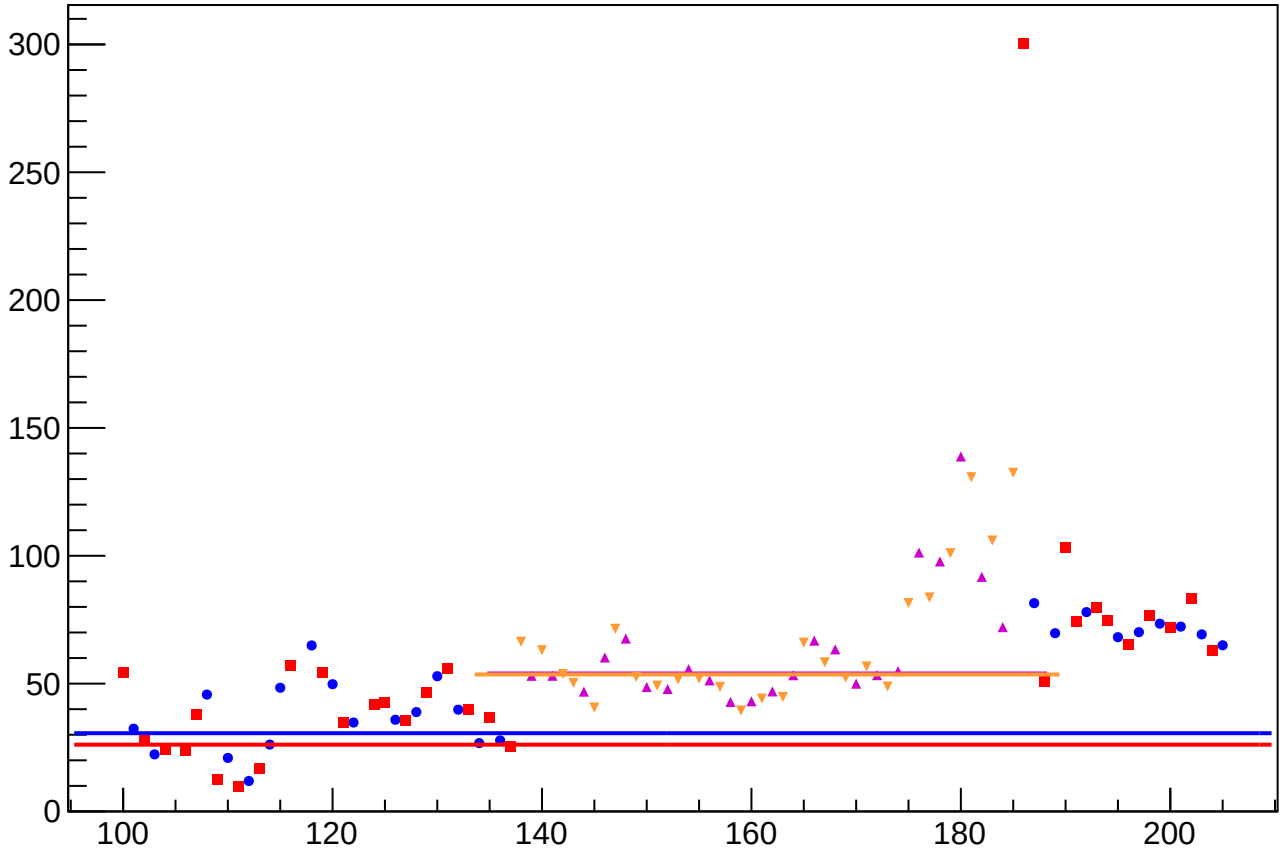
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 106.7/102

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

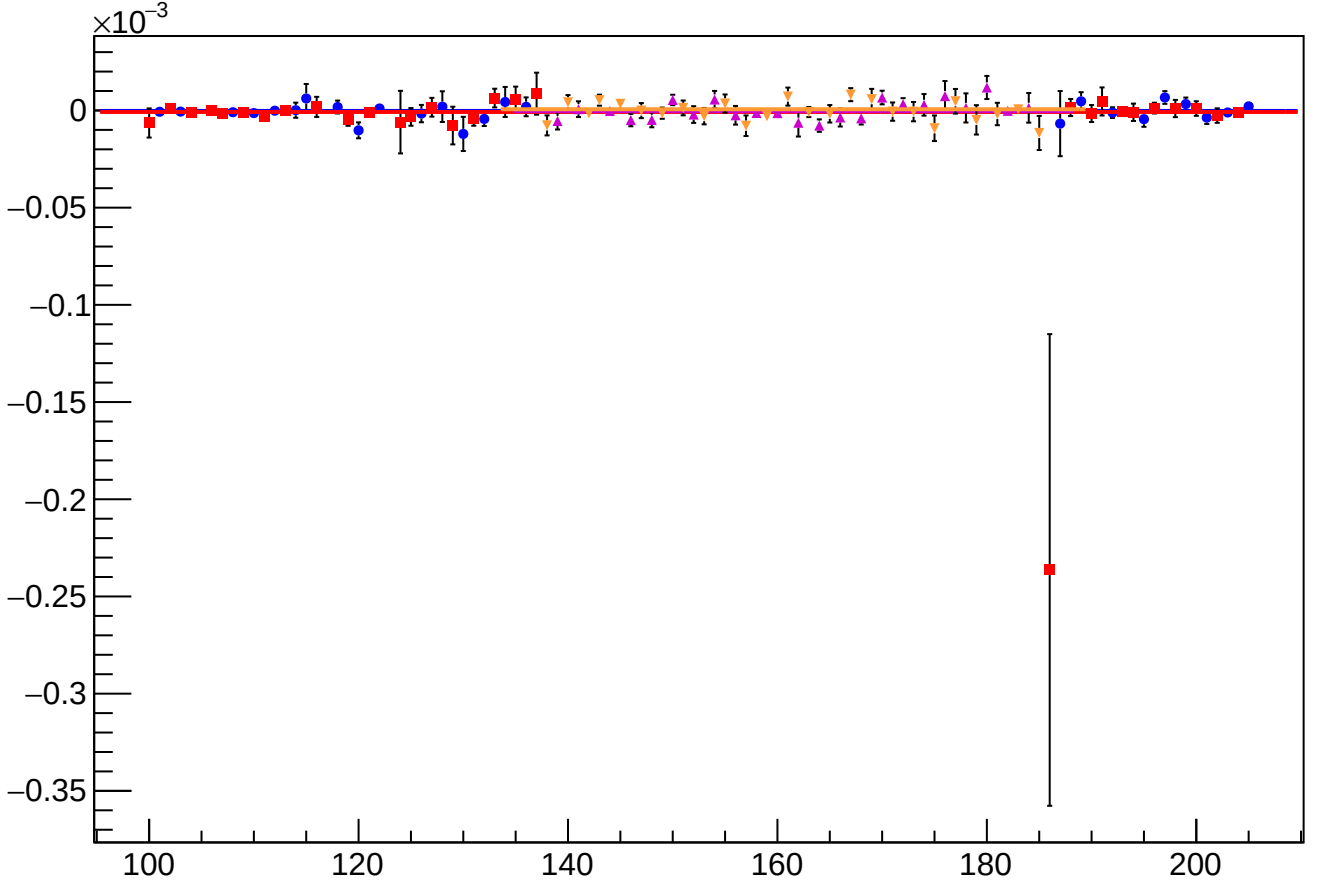
Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.176+/-0.006 χ^2/NDF: 14191333.9/49

All: 36.669+/-0.004 χ^2/NDF: 33661472.8/102

- sign 34.517+/-0.005 χ^2/NDF: 19087964.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/29

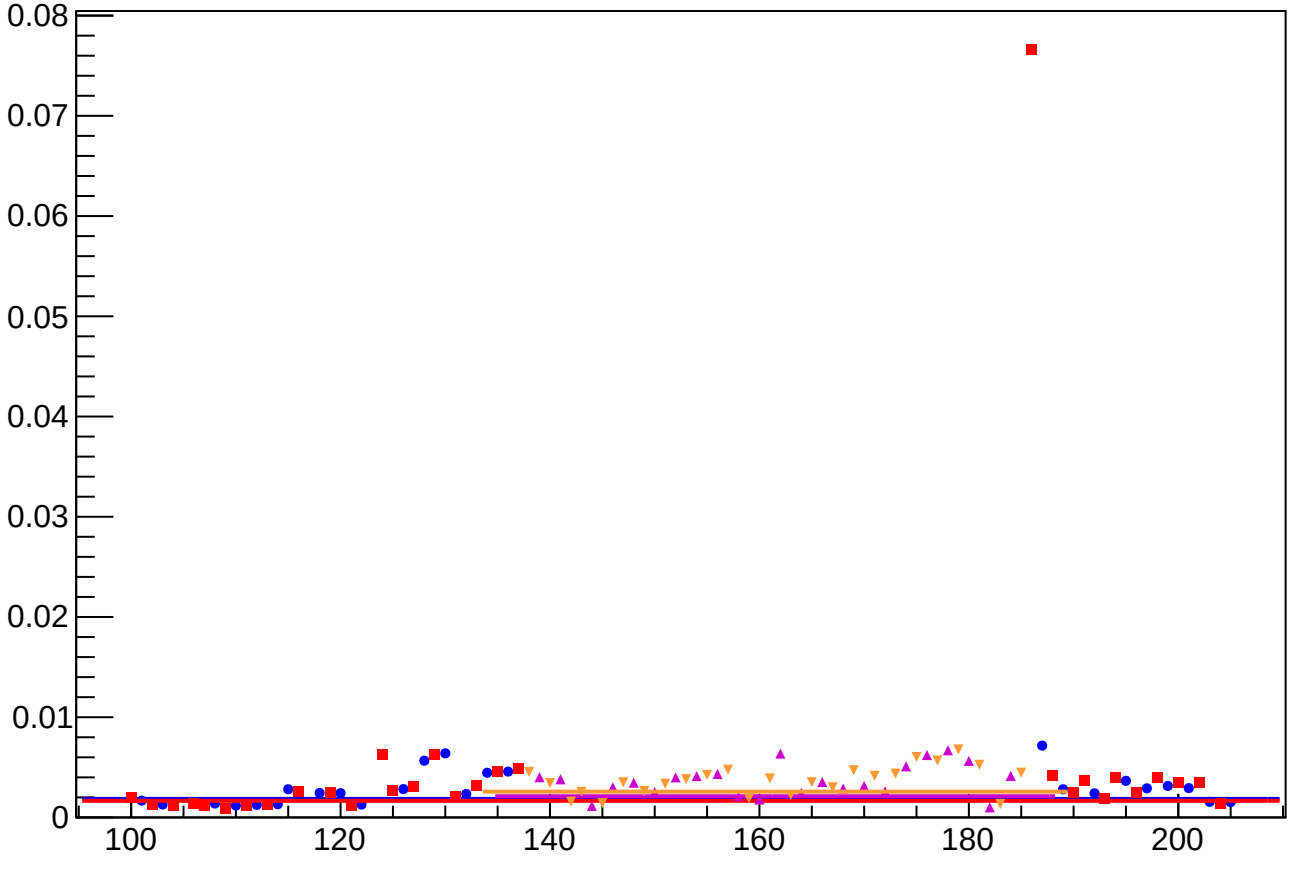
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.7/49

All: -0.000+/-0.000 χ^2/NDF: 105.1/102

- sign -0.000+/-0.000 χ^2/NDF: 48.9/52

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4710762.6/24

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7281014.5/29

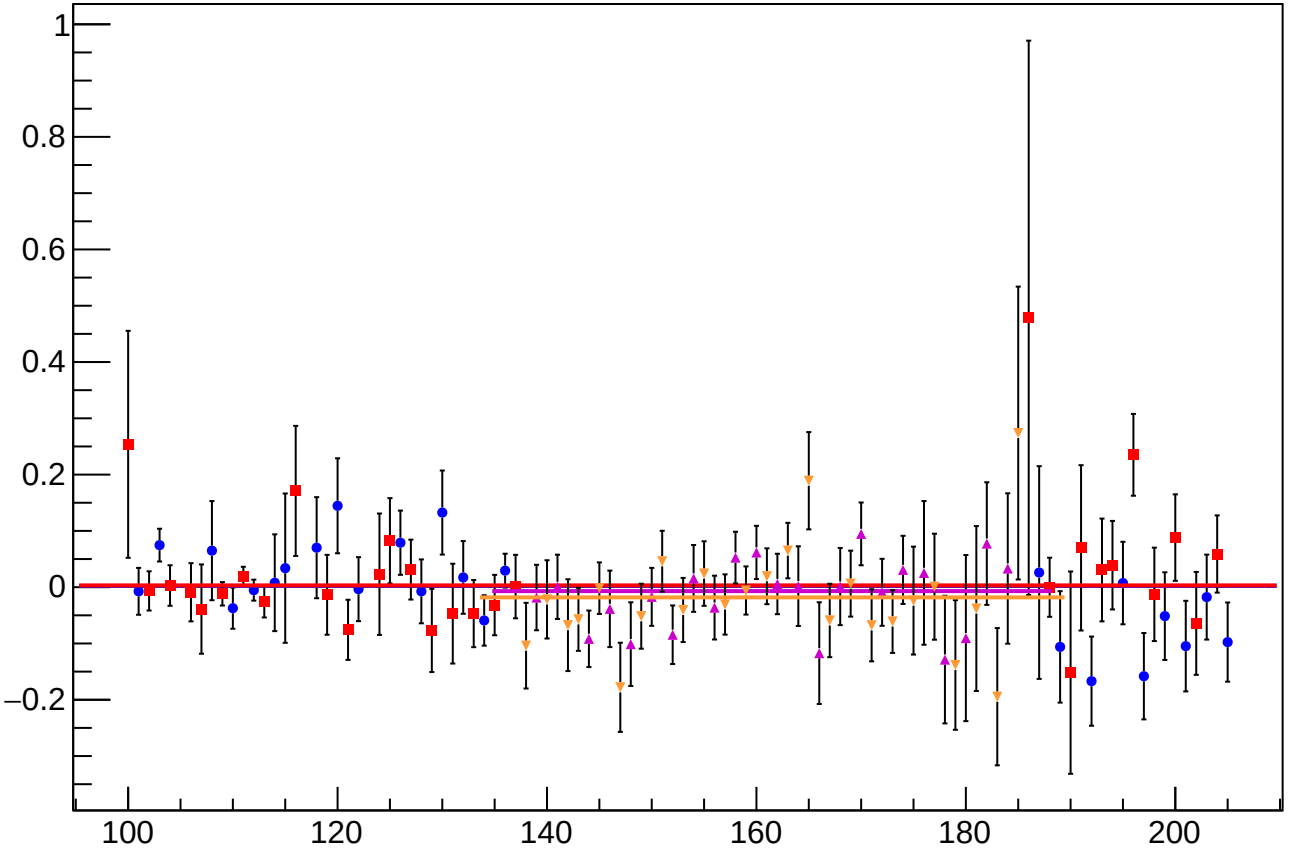
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 13217043.5/49

All: 0.002+/-0.000 χ^2/NDF: 31238415.6/102

- sign 0.002+/-0.000 χ^2/NDF: 17463522.0/52

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

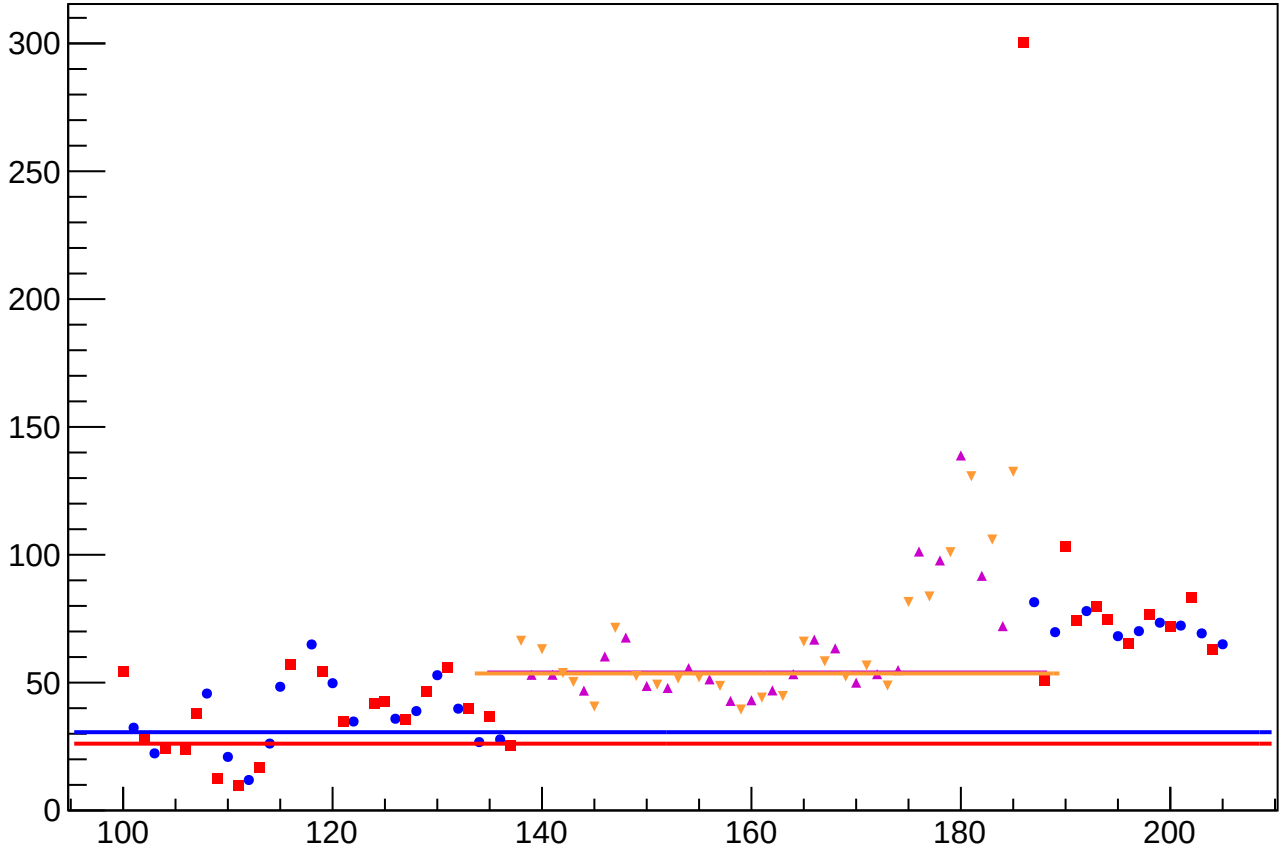
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 106.7/102

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

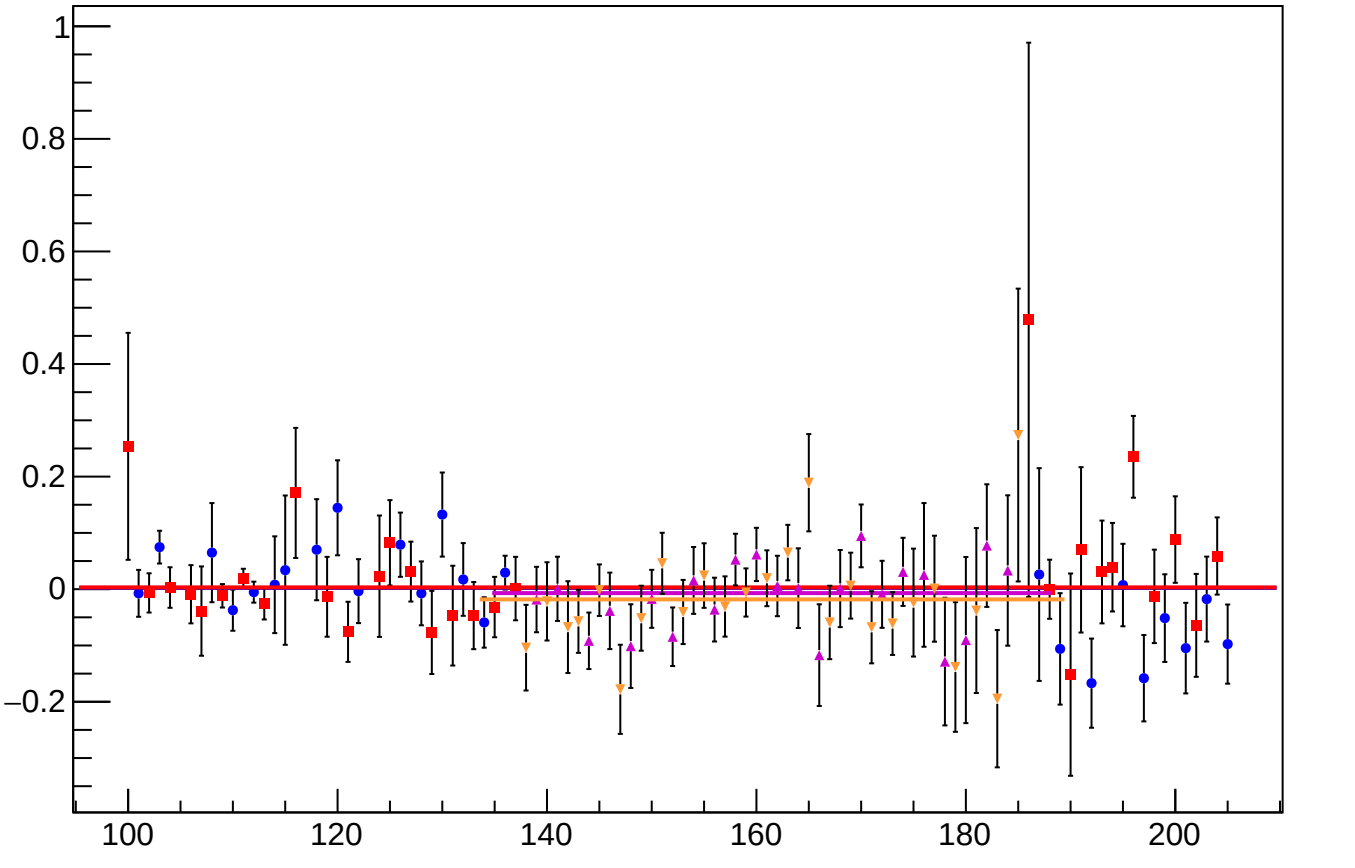
Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.175+/-0.006 χ^2/NDF: 14191815.2/49

All: 36.669+/-0.004 χ^2/NDF: 33662667.0/102

- sign 34.516+/-0.005 χ^2/NDF: 19088647.4/52



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.003+/-0.009 χ^2/NDF: 27.7/29

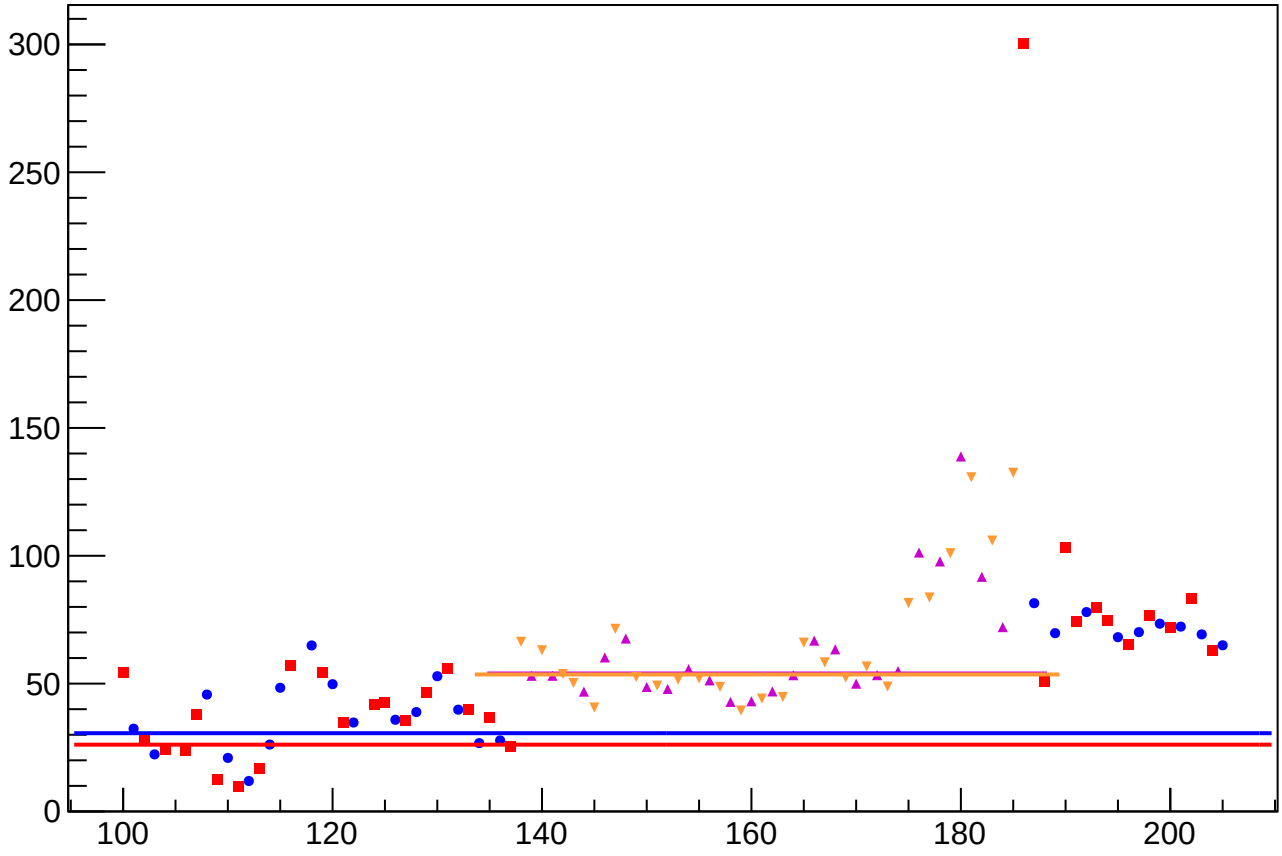
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 106.7/102

- sign 0.000+/-0.007 χ^2/NDF: 46.8/52

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

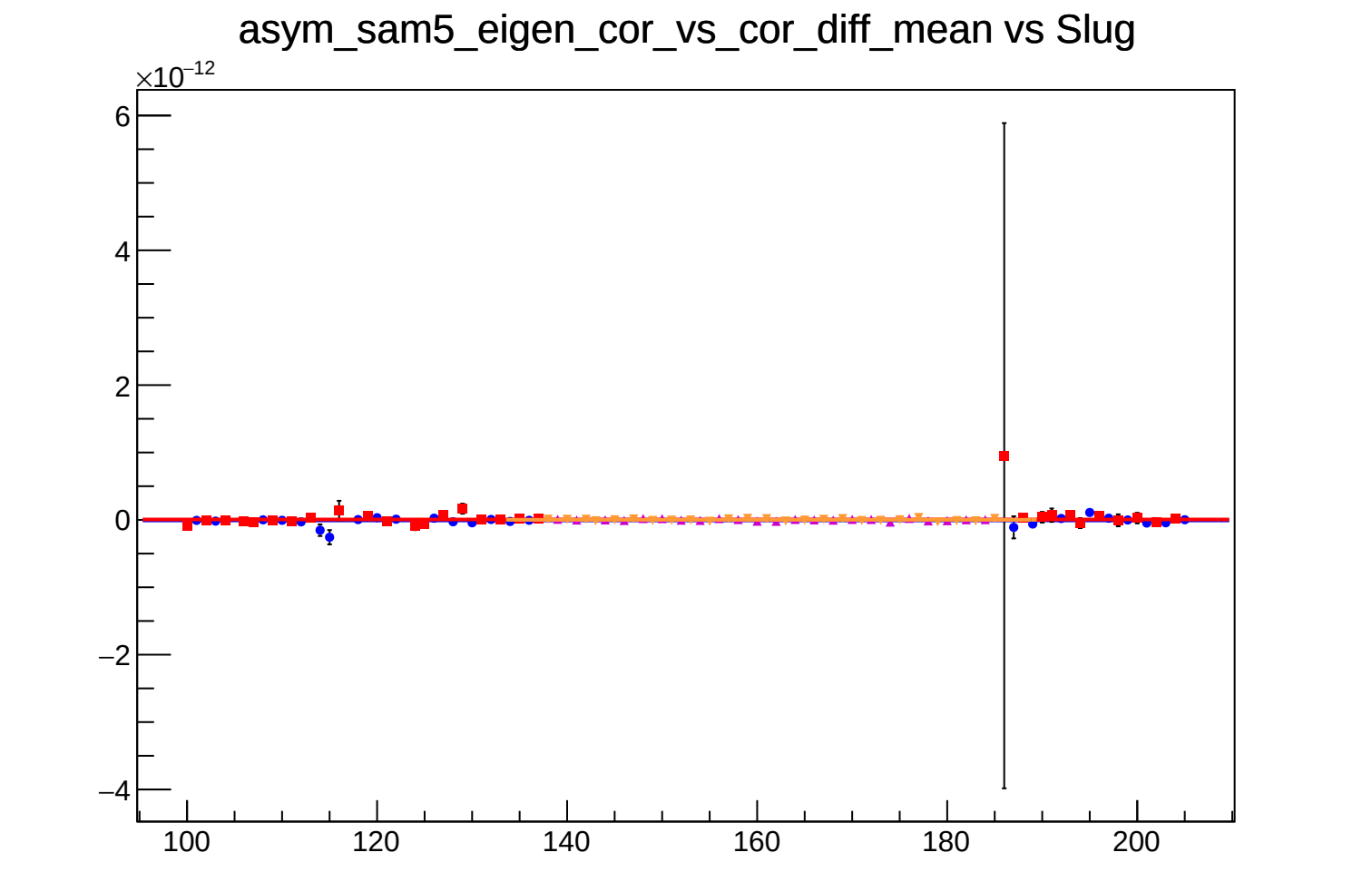
Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.175+/-0.006 χ^2/NDF: 14191815.2/49

All: 36.669+/-0.004 χ^2/NDF: 33662667.0/102

- sign 34.516+/-0.005 χ^2/NDF: 19088647.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

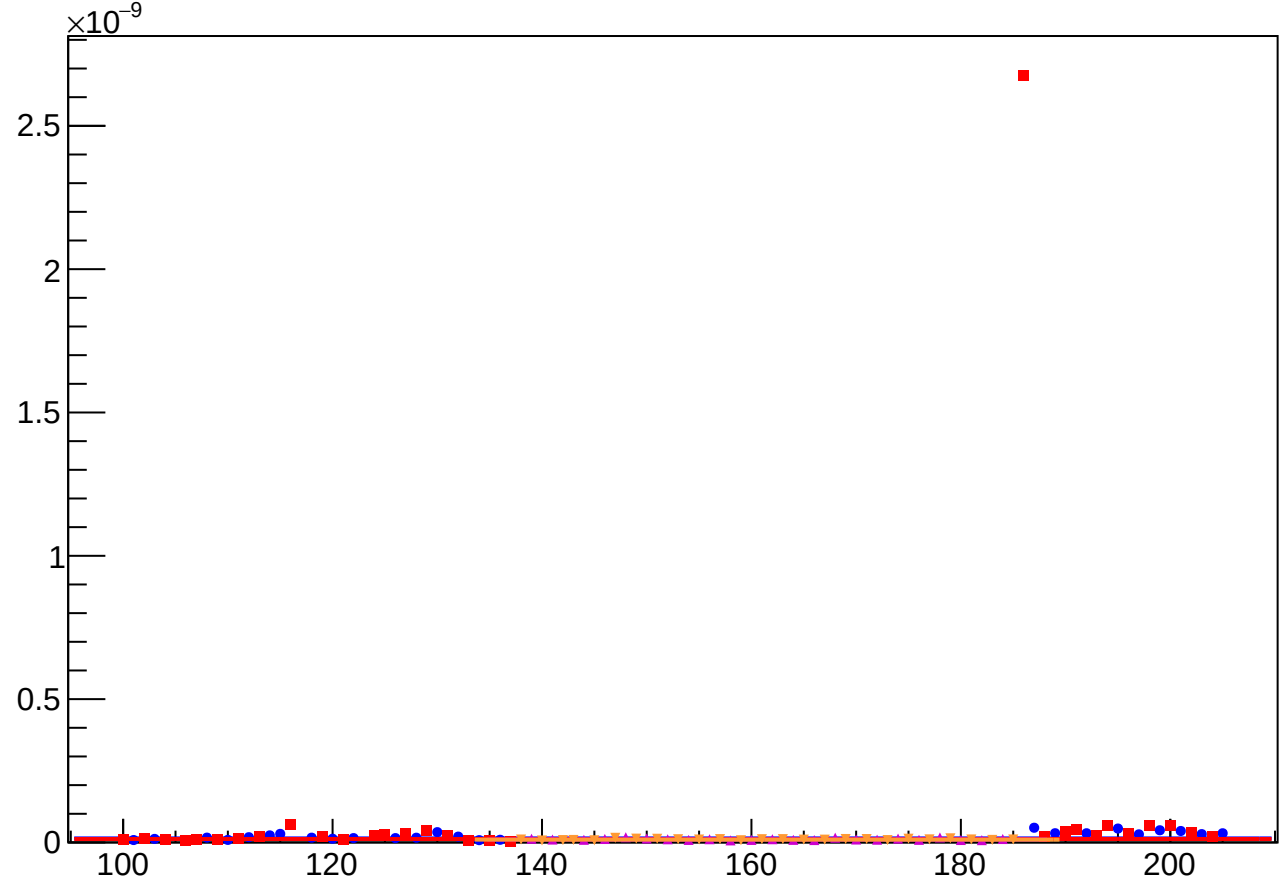
Right Out: 0.000+/-0.000 χ^2/NDF: 35.2/29

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.6/49

All: 0.000+/-0.000 χ^2/NDF: 106.3/102

- sign 0.000+/-0.000 χ^2/NDF: 54.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 4844560.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584388.6/29

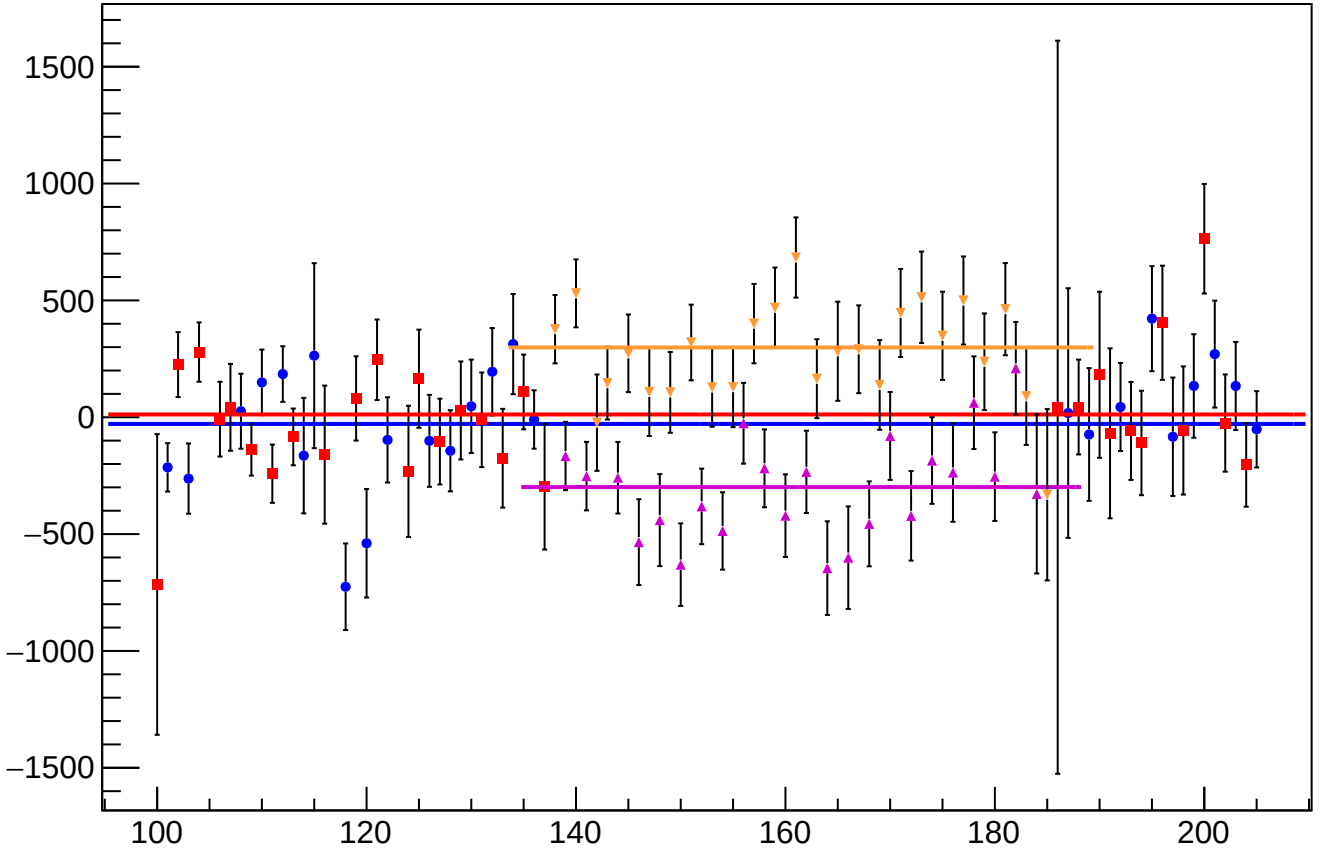
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6968709.6/49

All: 0.000+/-0.000 χ^2/NDF: 16088115.5/102

- sign 0.000+/-0.000 χ^2/NDF: 9119405.2/52

reg_asym_sam6_mean vs Slug



Right In: -28.620+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 11.909+/-34.348 χ^2/NDF: 36.4/29

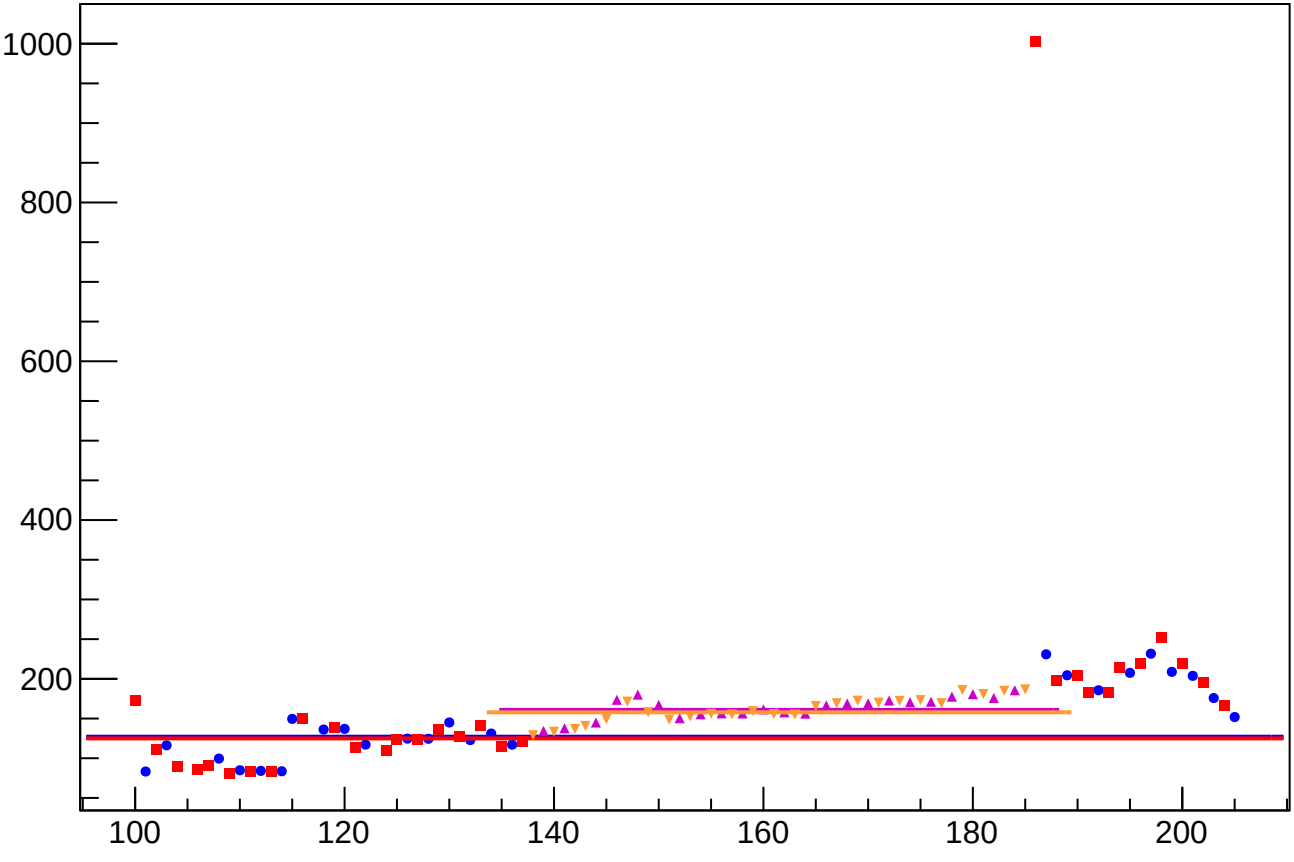
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 133.702+/-25.394 χ^2/NDF: 110.0/49

All: 2.444+/-17.958 χ^2/NDF: 266.3/102

- sign -128.853+/-25.398 χ^2/NDF: 102.9/52

reg_asym_sam6_rms vs Slug



Right In: 127.115+/-0.025 χ^2/NDF: 2674762.9/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 125.014+/-0.024 χ^2/NDF: 4121742.0/29

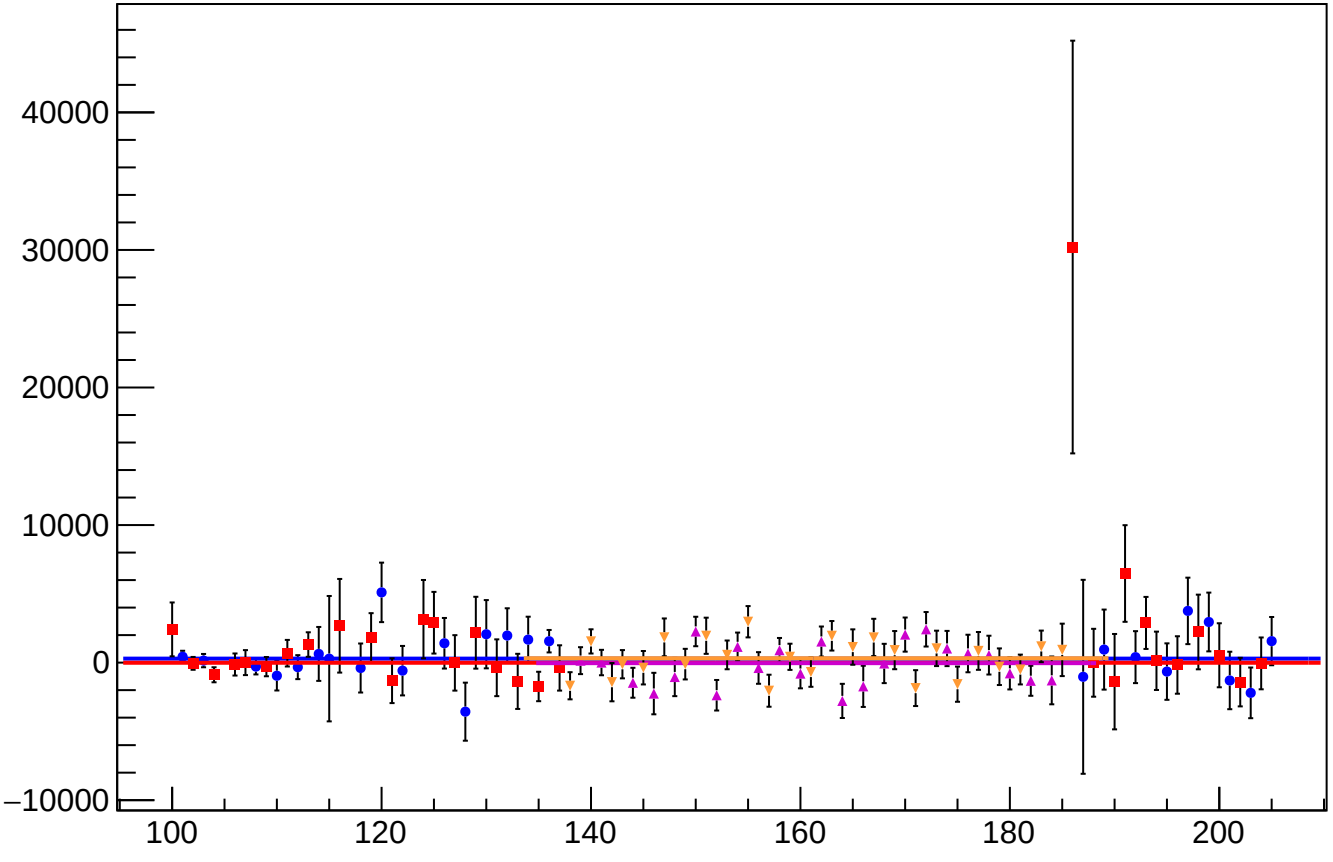
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.359+/-0.018 χ^2/NDF: 3783678.0/49

All: 141.813+/-0.013 χ^2/NDF: 9163661.2/102

- sign 141.266+/-0.018 χ^2/NDF: 5378132.5/52

asym_sam6_reg_correction_mean vs Slug



Right In: 290.223+/-219.845 χ^2/NDF: 23.3/24

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -10.544+/-220.641 χ^2/NDF: 27.5/29

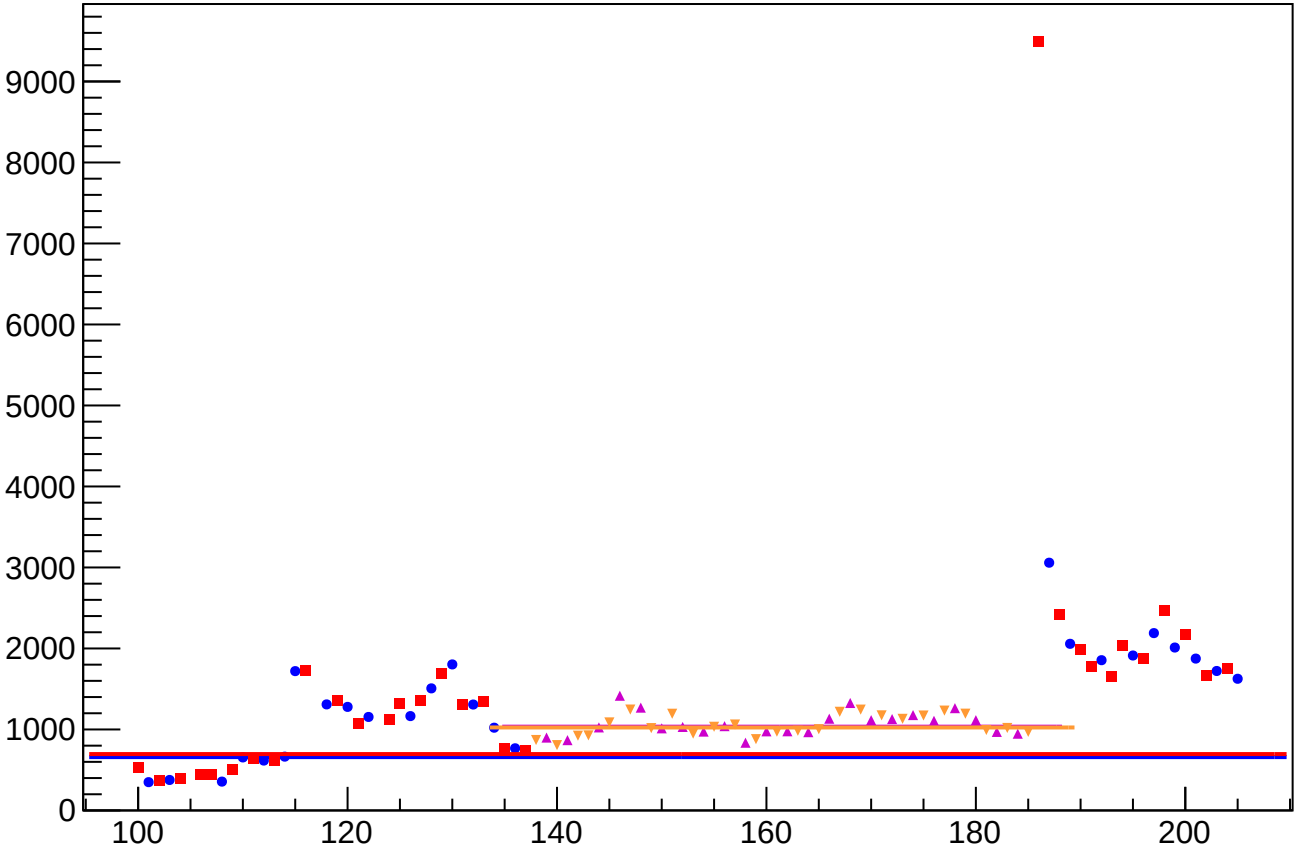
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 304.091+/-160.571 χ^2/NDF: 55.9/49

All: 143.494+/-114.631 χ^2/NDF: 120.1/102

- sign -23.424+/-163.700 χ^2/NDF: 62.3/52

asym_sam6_reg_correction_rms vs Slug



Right In: 658.676+/-0.155 χ^2/NDF: 10001732.4/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 696.139+/-0.156 χ^2/NDF: 10729861.9/29

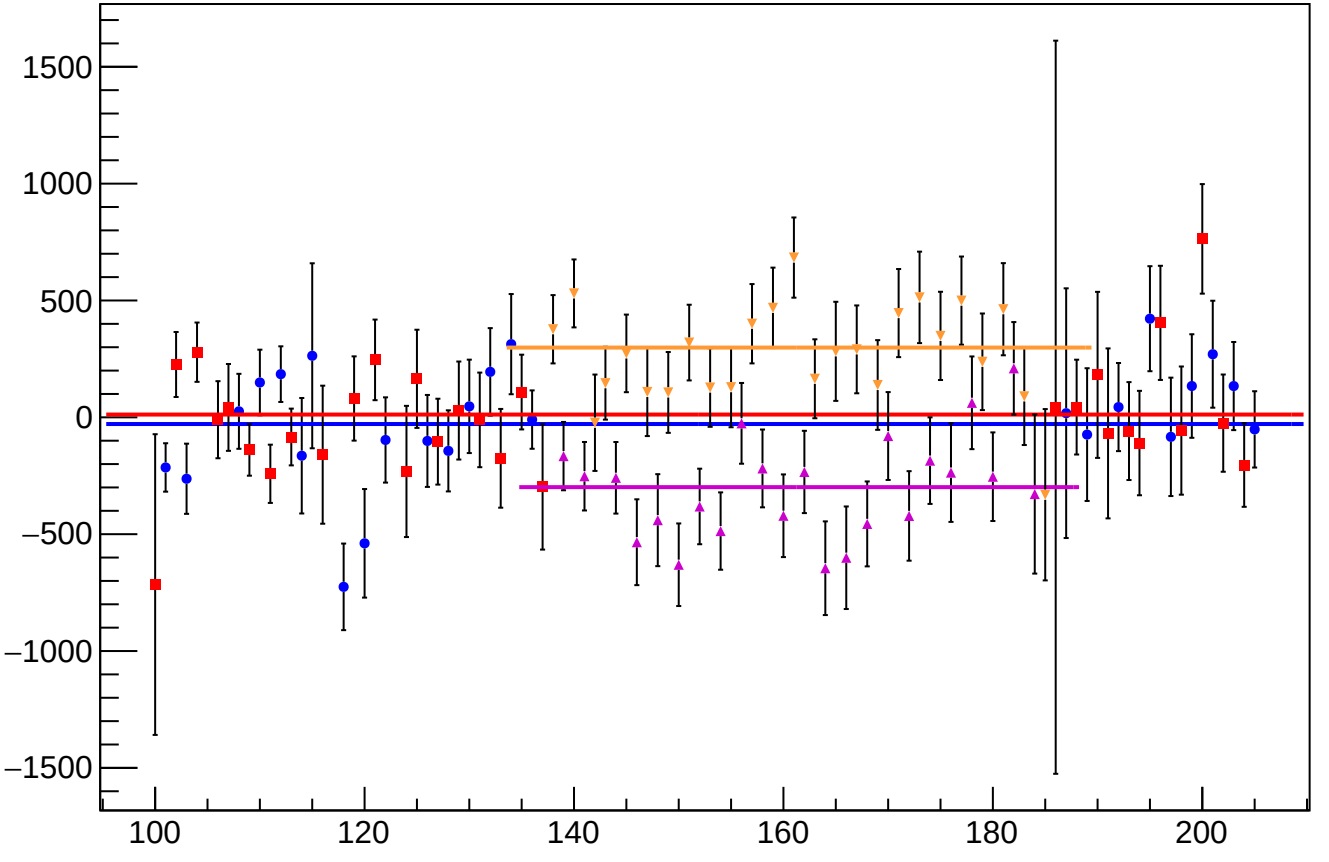
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 829.344+/-0.114 χ^2/NDF: 13182896.4/49

All: 838.596+/-0.081 χ^2/NDF: 26668253.4/10

- sign 848.212+/-0.116 χ^2/NDF: 13471816.1/52

cor_asym_sam6_mean vs Slug



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 11.909+/-34.396 χ^2/NDF: 36.4/29

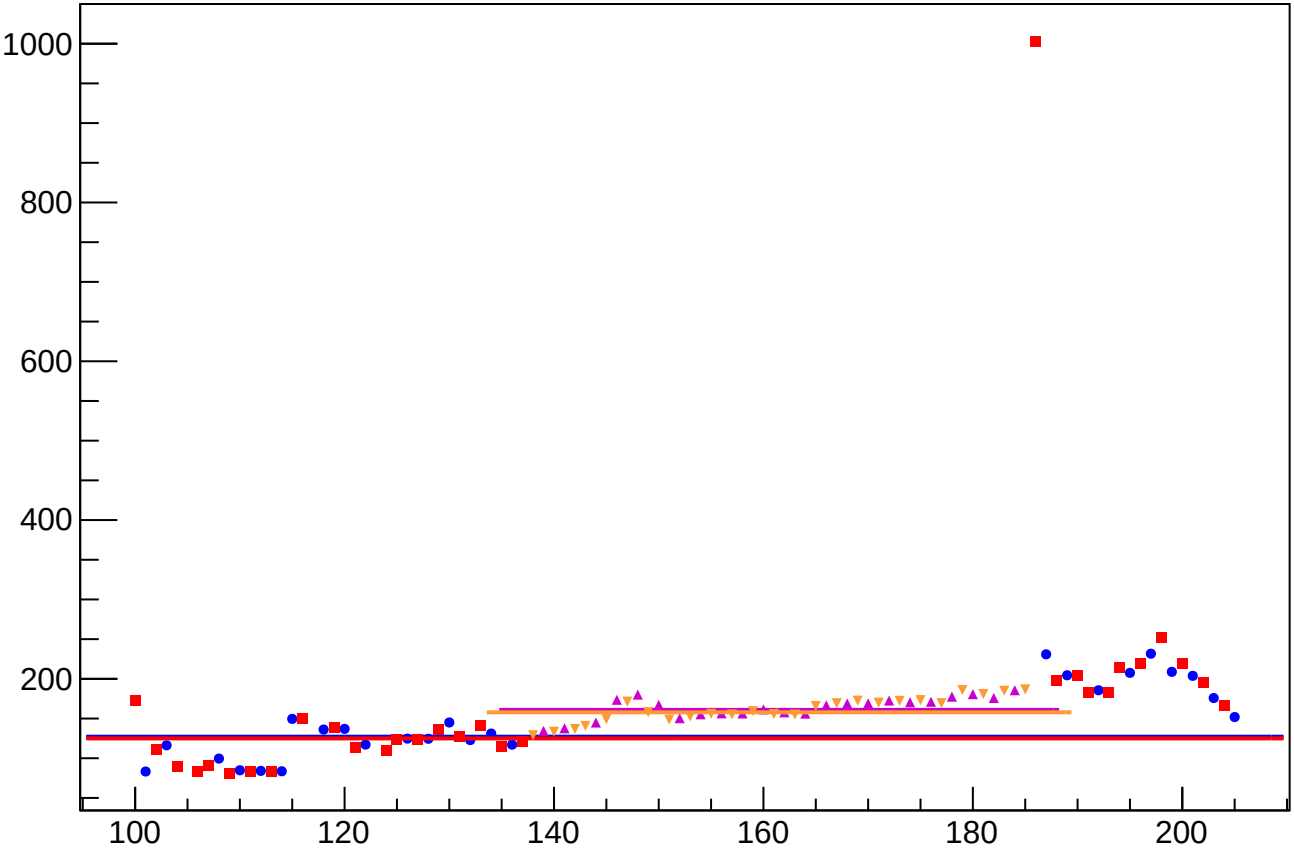
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 133.691+/-25.394 χ^2/NDF: 110.0/49

All: 2.430+/-17.965 χ^2/NDF: 266.3/102

- sign -129.073+/-25.418 χ^2/NDF: 102.8/52

cor_asym_sam6_rms vs Slug



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

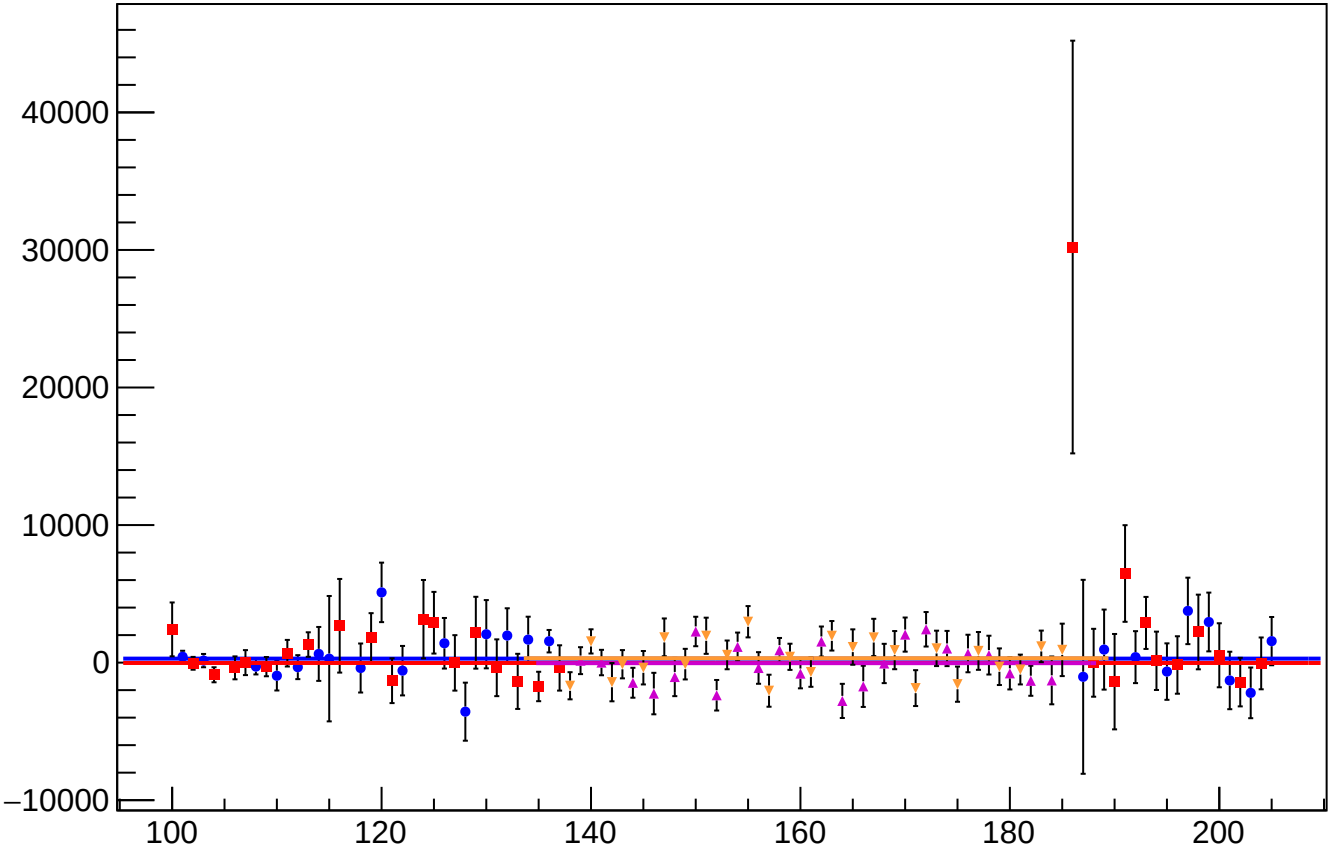
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.359+/-0.018 χ^2/NDF: 3783673.8/49

All: 141.818+/-0.013 χ^2/NDF: 9175413.4/102

- sign 141.277+/-0.018 χ^2/NDF: 5389924.9/52

asym_sam6_cor_correction_mean vs Slug



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -26.231+/-221.178 χ^2/NDF: 27.6/29

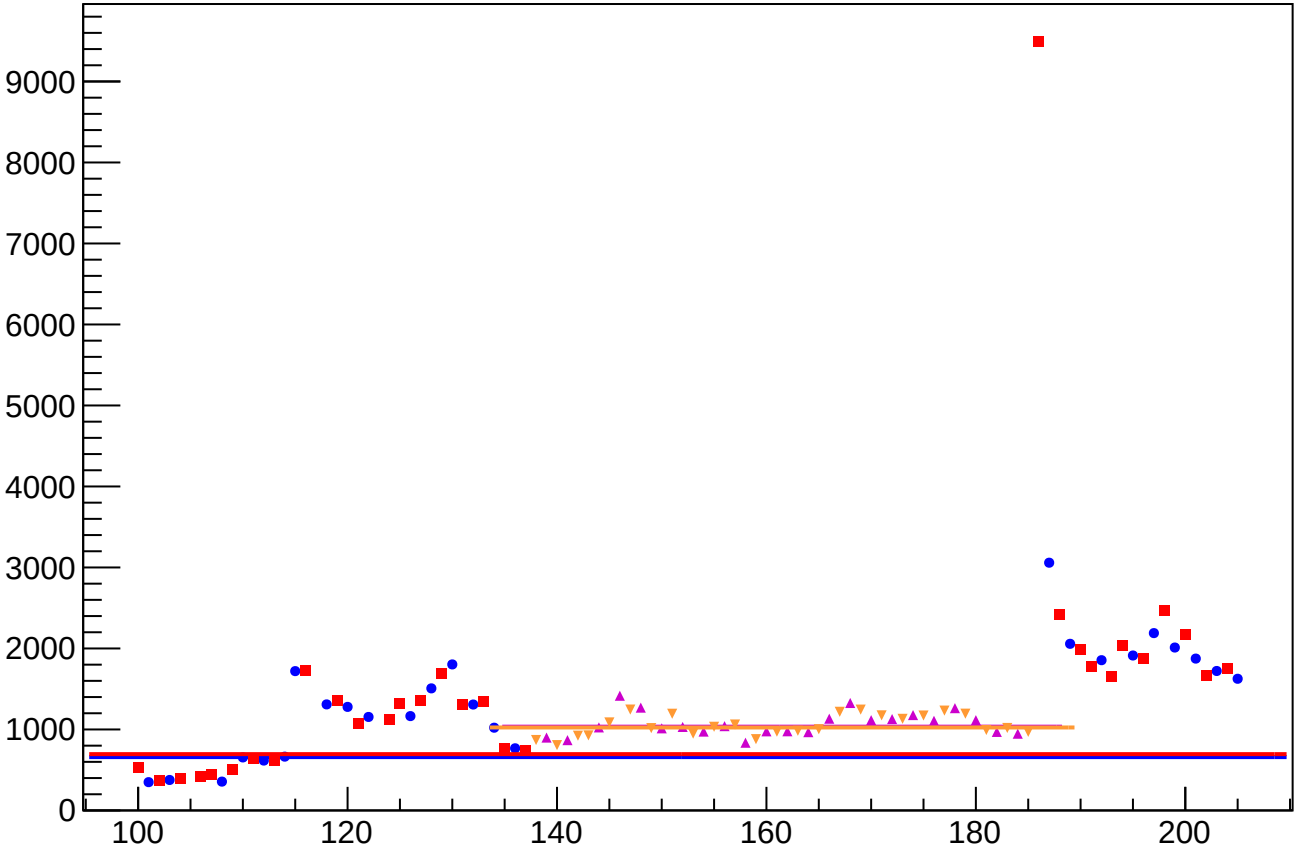
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 304.161+/-160.569 χ^2/NDF: 55.8/49

All: 139.515+/-114.706 χ^2/NDF: 120.4/102

- sign -32.076+/-163.920 χ^2/NDF: 62.4/52

asym_sam6_cor_correction_rms vs Slug



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

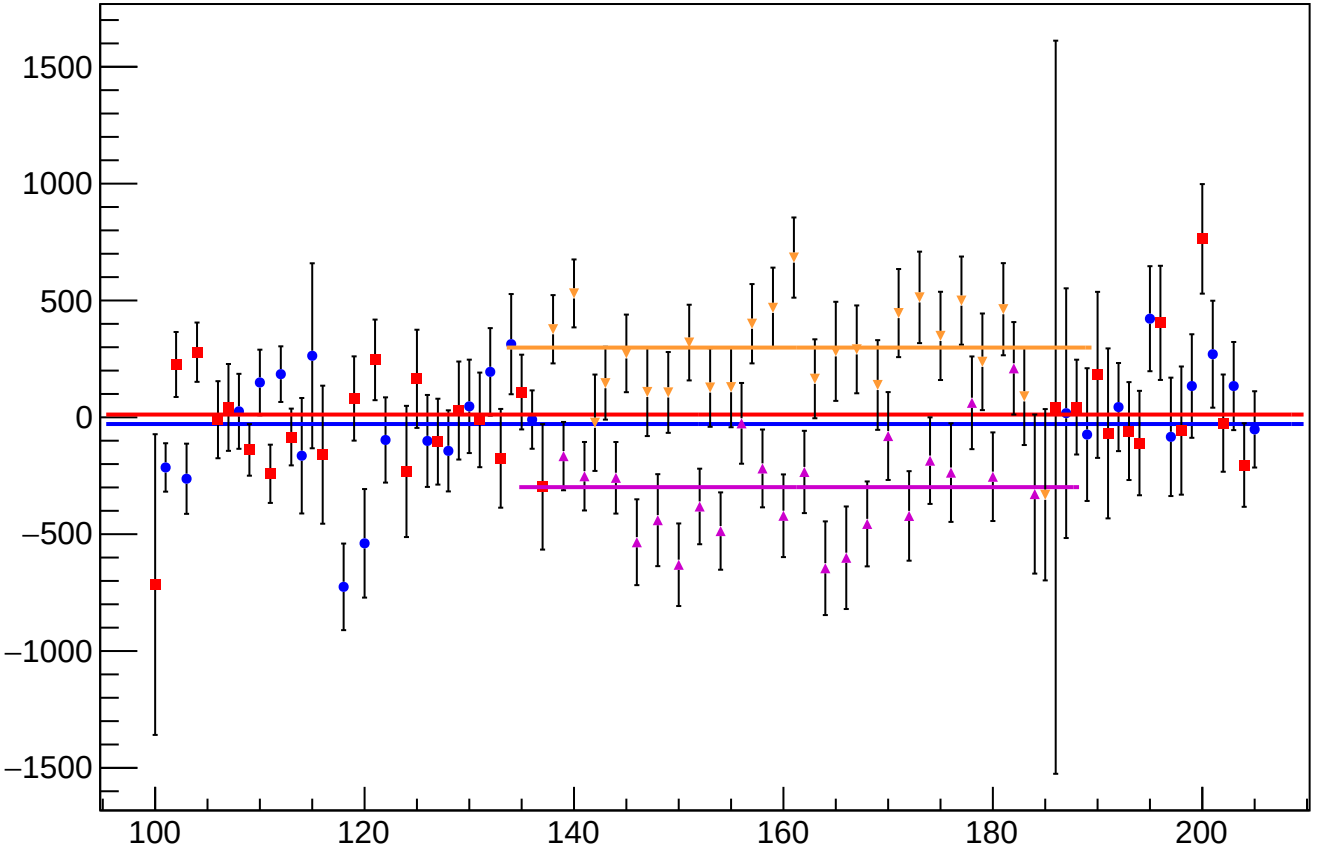
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 829.325+/-0.114 χ^2/NDF: 13183777.0/49

All: 838.566+/-0.081 χ^2/NDF: 26705873.7/10

- sign 848.196+/-0.116 χ^2/NDF: 13508569.6/52

eigen_cor_asym_sam6_mean vs Slug



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 11.909+/-34.396 χ^2/NDF: 36.4/29

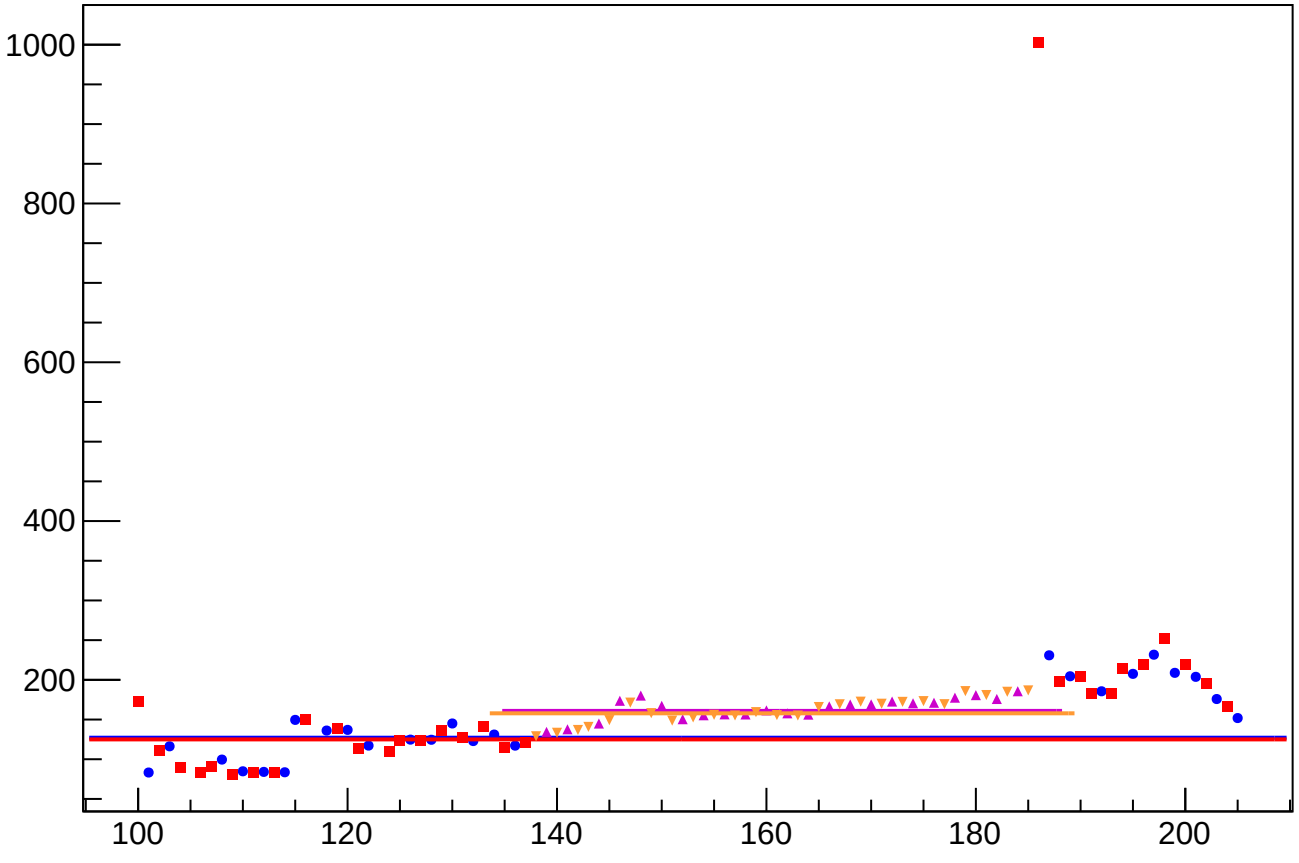
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 133.691+/-25.394 χ^2/NDF: 110.0/49

All: 2.430+/-17.965 χ^2/NDF: 266.3/102

- sign -129.073+/-25.418 χ^2/NDF: 102.8/52

eigen_cor_asym_sam6_rms vs Slug



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

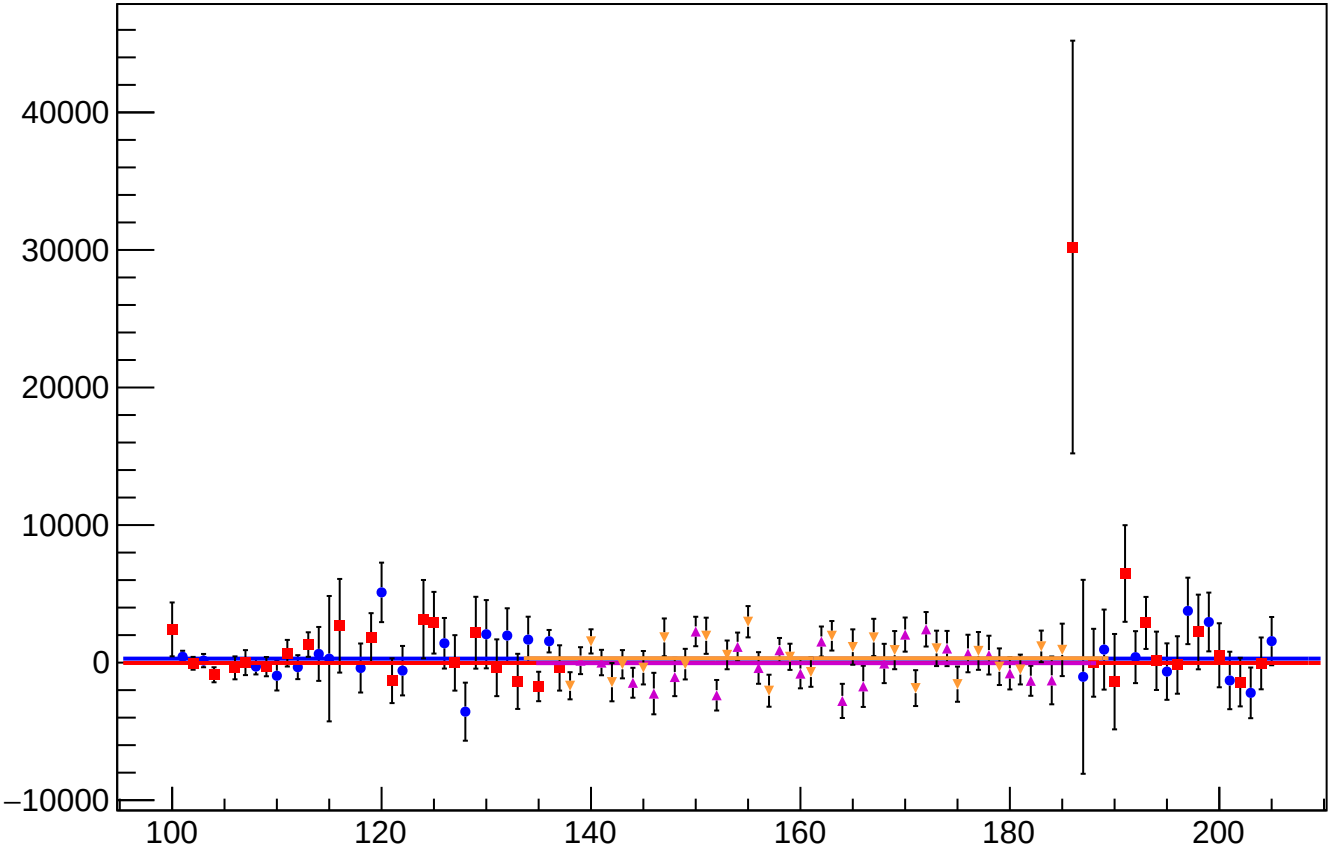
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.359+/-0.018 χ^2/NDF: 3783673.8/49

All: 141.818+/-0.013 χ^2/NDF: 9175413.4/102

- sign 141.277+/-0.018 χ^2/NDF: 5389924.9/52

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -26.231+/-221.178 χ^2/NDF: 27.6/29

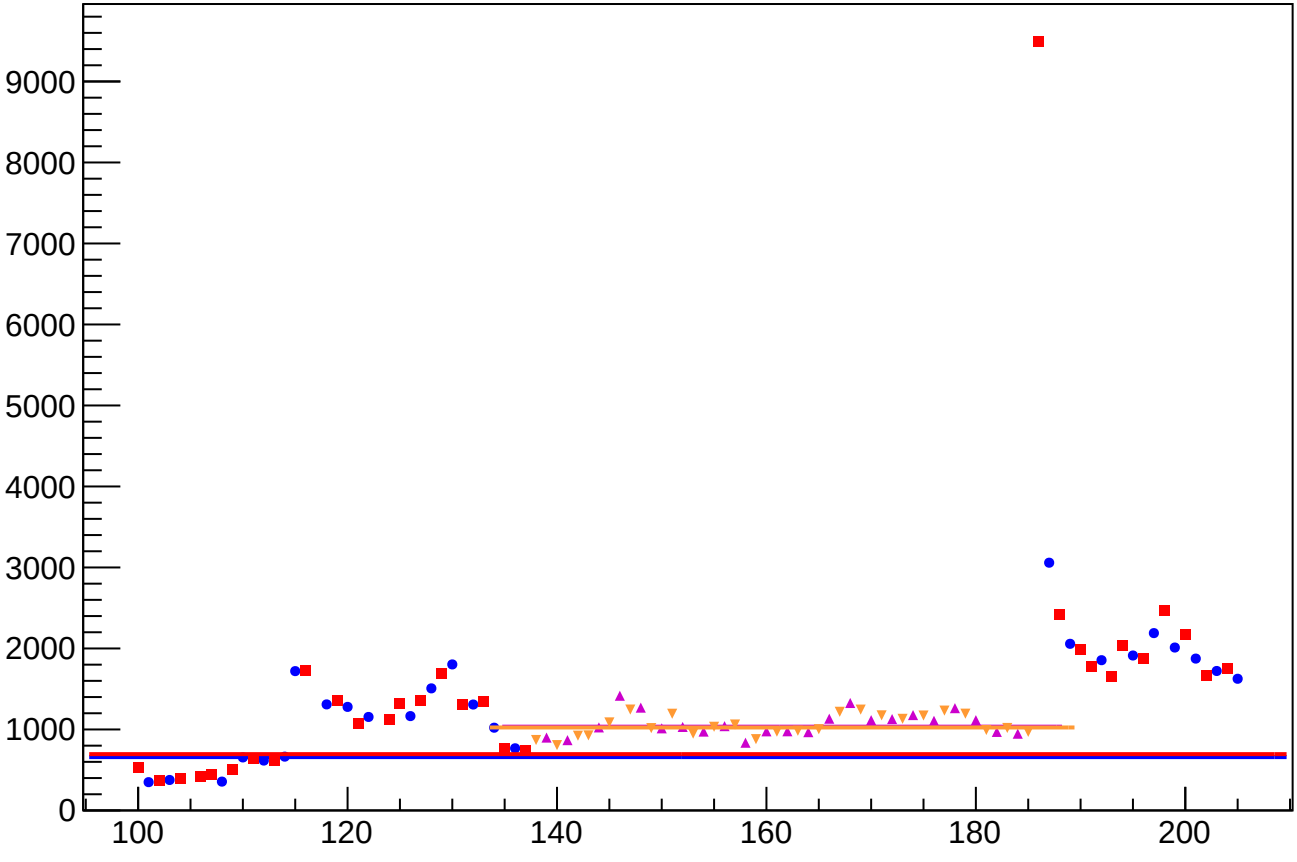
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 304.161+/-160.569 χ^2/NDF: 55.8/49

All: 139.515+/-114.706 χ^2/NDF: 120.4/102

- sign -32.076+/-163.920 χ^2/NDF: 62.4/52

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

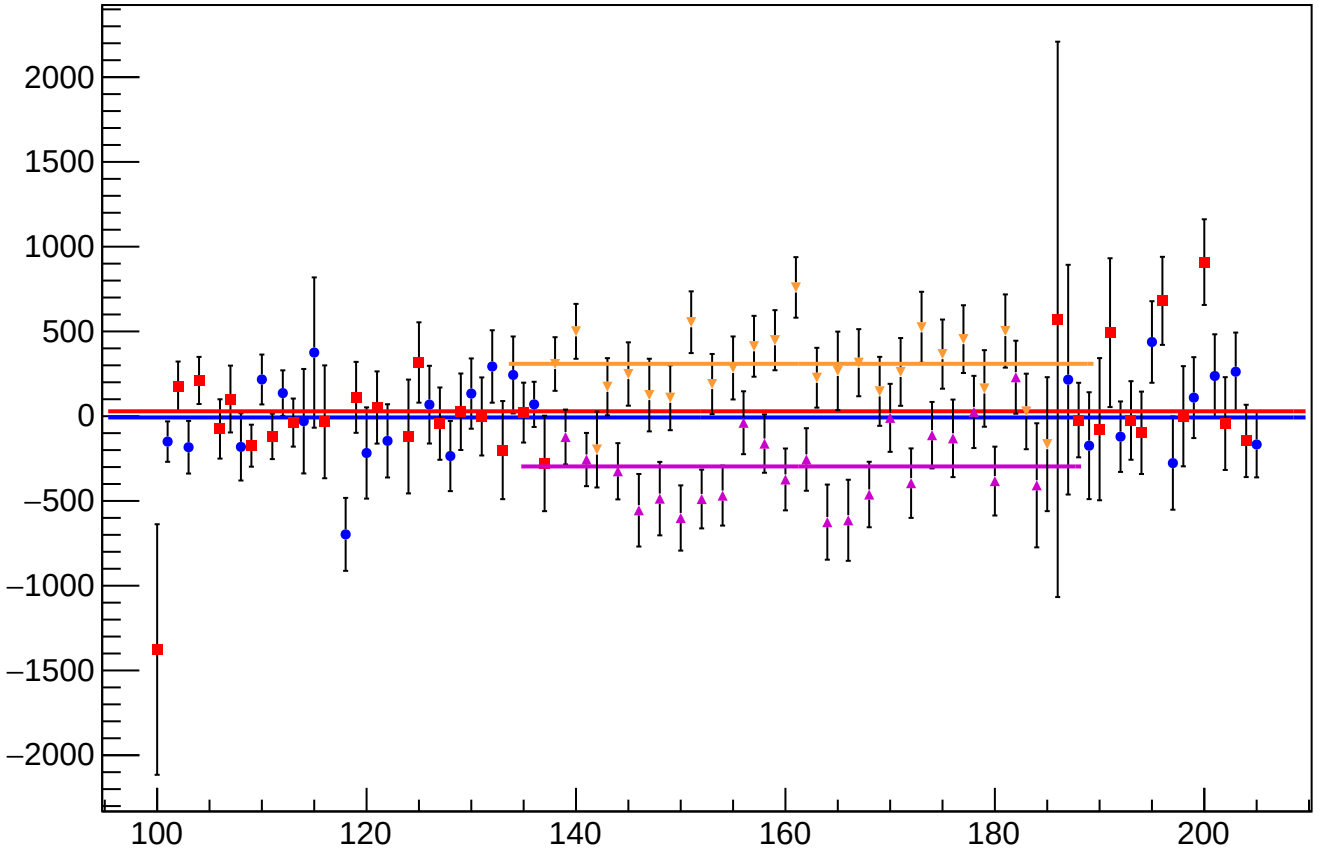
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 829.325+/-0.114 χ^2/NDF: 13183777.0/49

All: 838.566+/-0.081 χ^2/NDF: 26705873.7/10

- sign 848.196+/-0.116 χ^2/NDF: 13508569.6/52

dit_asym_sam6_mean vs Slug



Right In: -7.441+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 28.918+/-38.584 χ^2/NDF: 35.6/29

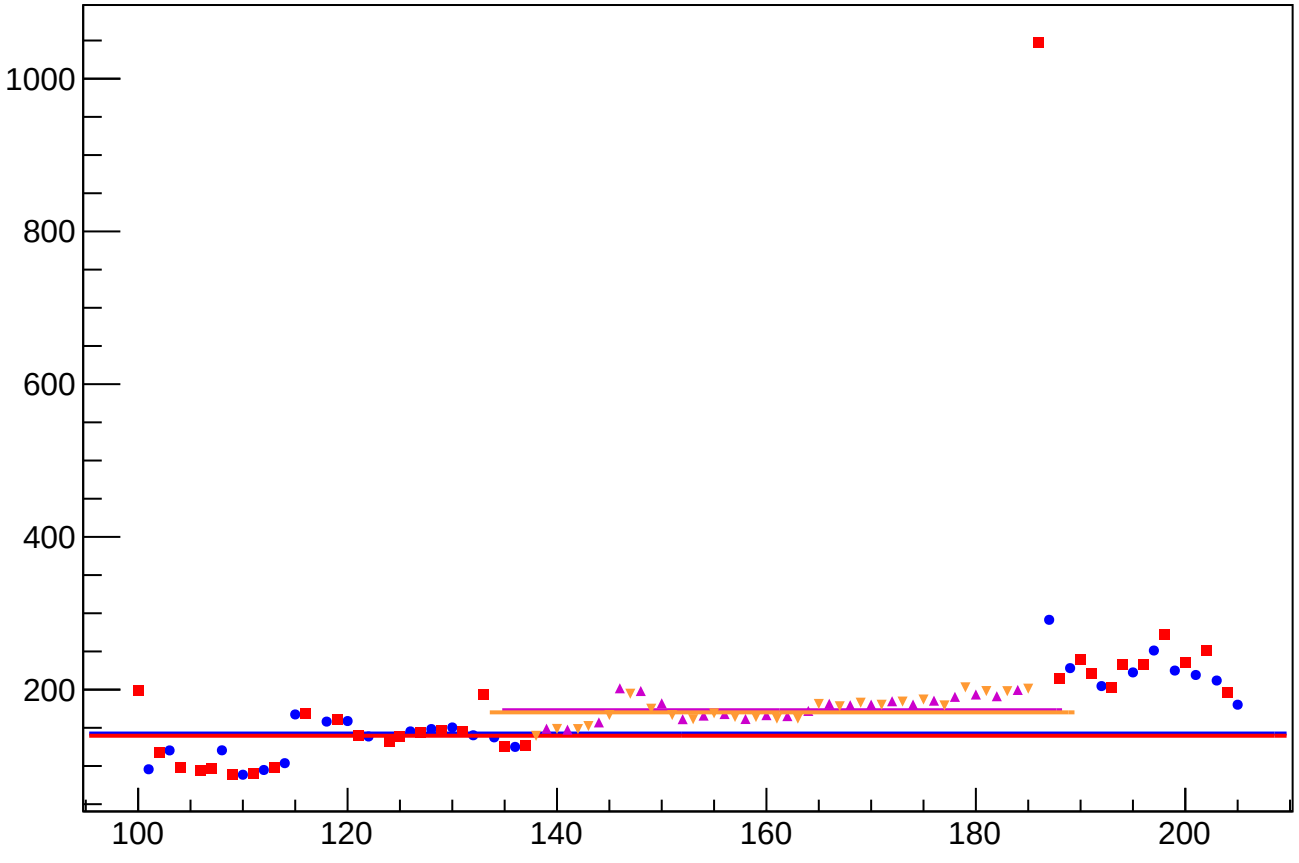
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 155.873+/-27.945 χ^2/NDF: 90.2/49

All: 15.325+/-19.769 χ^2/NDF: 238.1/102

- sign -125.485+/-27.971 χ^2/NDF: 97.2/52

dit_asym_sam6_rms vs Slug



Right In: 142.507+/-0.028 χ^2/NDF: 2637672.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 139.628+/-0.027 χ^2/NDF: 4287059.5/29

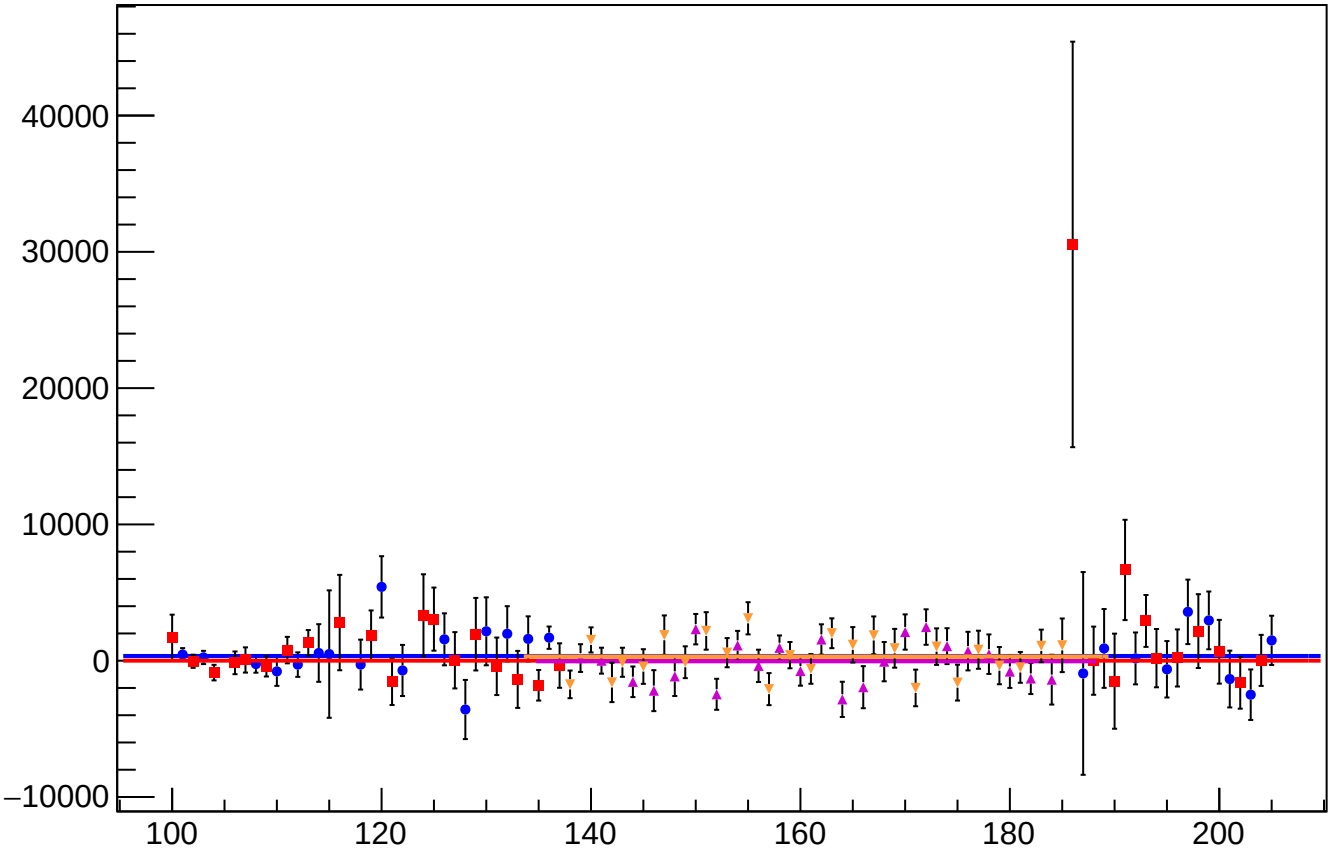
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.819+/-0.020 χ^2/NDF: 3495915.9/49

All: 156.147+/-0.014 χ^2/NDF: 8789899.5/102

- sign 155.473+/-0.020 χ^2/NDF: 5291667.8/52

asym_sam6_dit_correction_mean vs Slug



Right In: 347.786+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 3.551+/-228.122 χ^2/NDF: 26.8/29

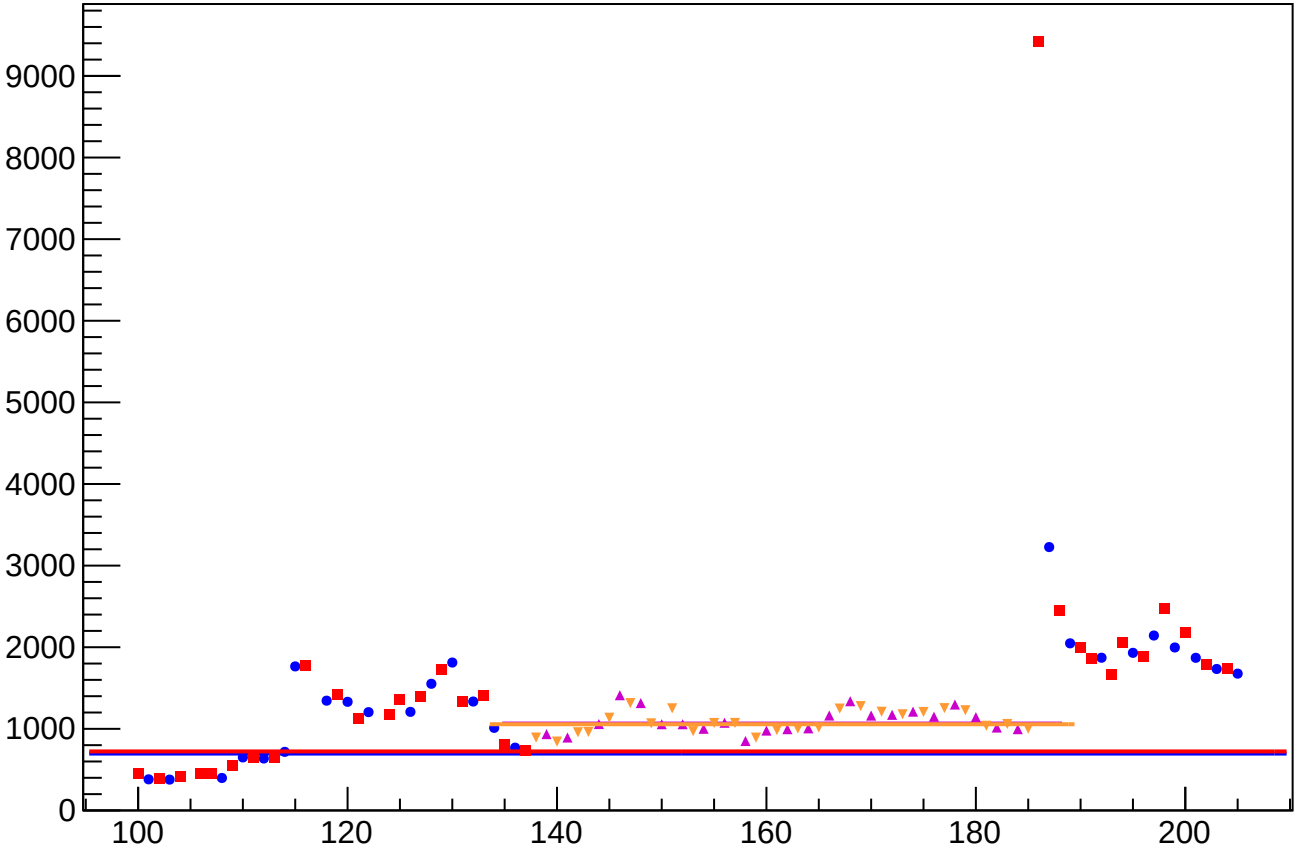
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 331.660+/-166.584 χ^2/NDF: 56.2/49

All: 158.549+/-118.601 χ^2/NDF: 119.7/102

- sign -19.395+/-168.893 χ^2/NDF: 61.3/52

asym_sam6_dit_correction_rms vs Slug



Right In: 697.179+/-0.162 χ^2/NDF: 9501506.1/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 723.194+/-0.161 χ^2/NDF: 10585026.8/29

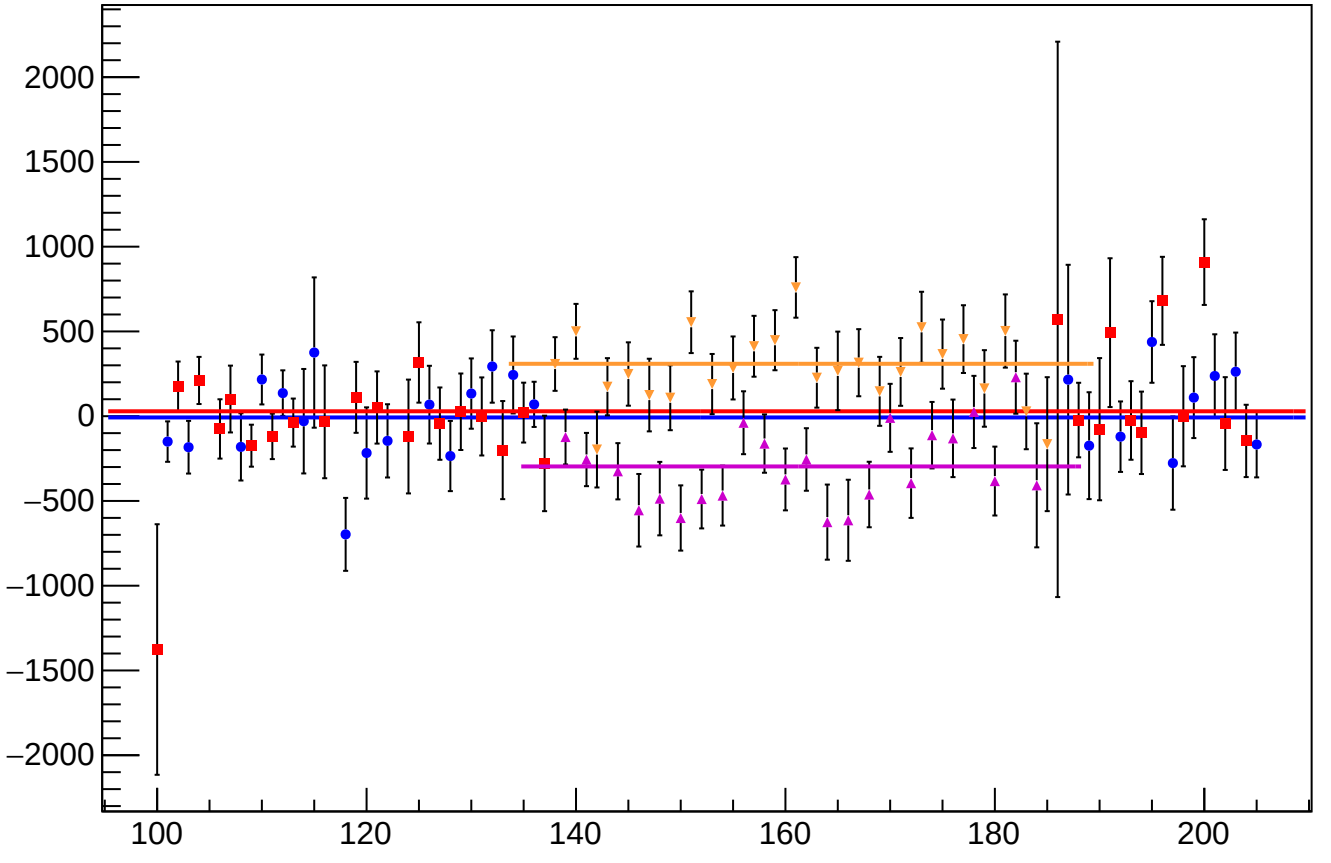
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 866.795+/-0.118 χ^2/NDF: 12429167.8/49

All: 872.076+/-0.084 χ^2/NDF: 25654563.9/10

- sign 877.504+/-0.119 χ^2/NDF: 13221320.8/52

eigen_dit_asym_sam6_mean vs Slug



Right In: -7.443+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 28.917+/-38.584 χ^2/NDF: 35.6/29

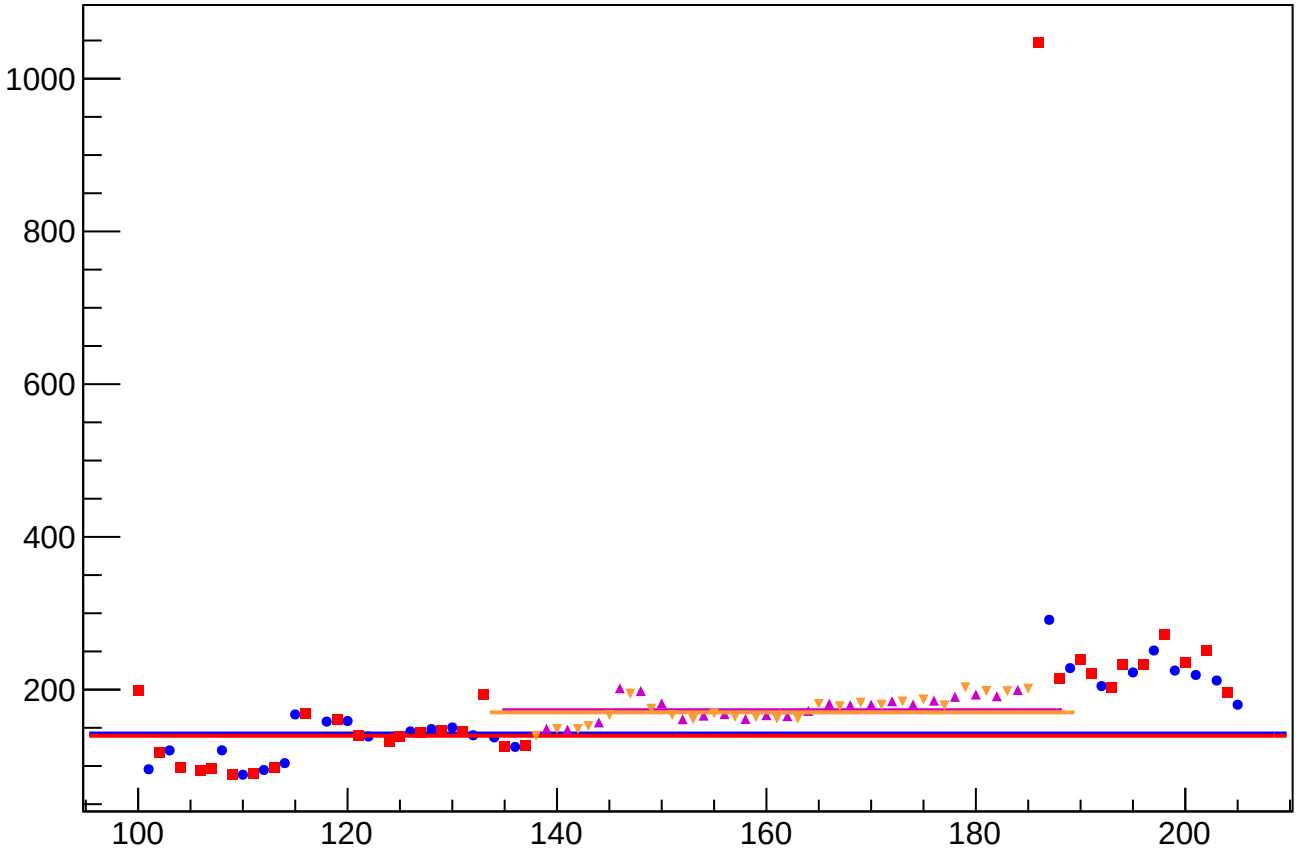
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 155.873+/-27.945 χ^2/NDF: 90.2/49

All: 15.325+/-19.769 χ^2/NDF: 238.1/102

- sign -125.486+/-27.971 χ^2/NDF: 97.2/52

eigen_dit_asym_sam6_rms vs Slug



Right In: 142.507+/-0.028 χ^2/NDF: 2637690.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 139.627+/-0.027 χ^2/NDF: 4287065.1/29

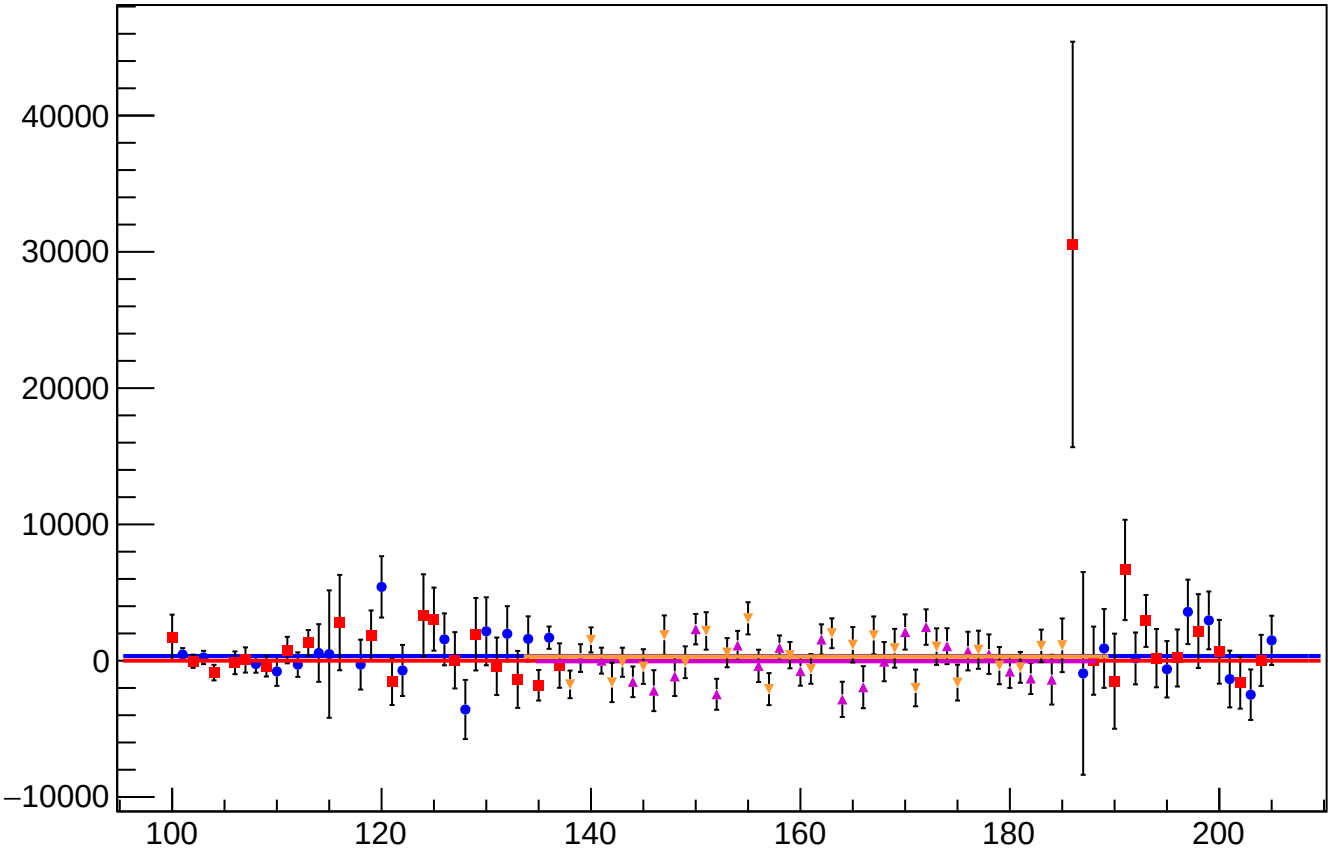
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.819+/-0.020 χ^2/NDF: 3495938.1/49

All: 156.147+/-0.014 χ^2/NDF: 8789931.6/102

- sign 155.473+/-0.020 χ^2/NDF: 5291677.8/52

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 347.785+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 3.550+/-228.122 χ^2/NDF: 26.8/29

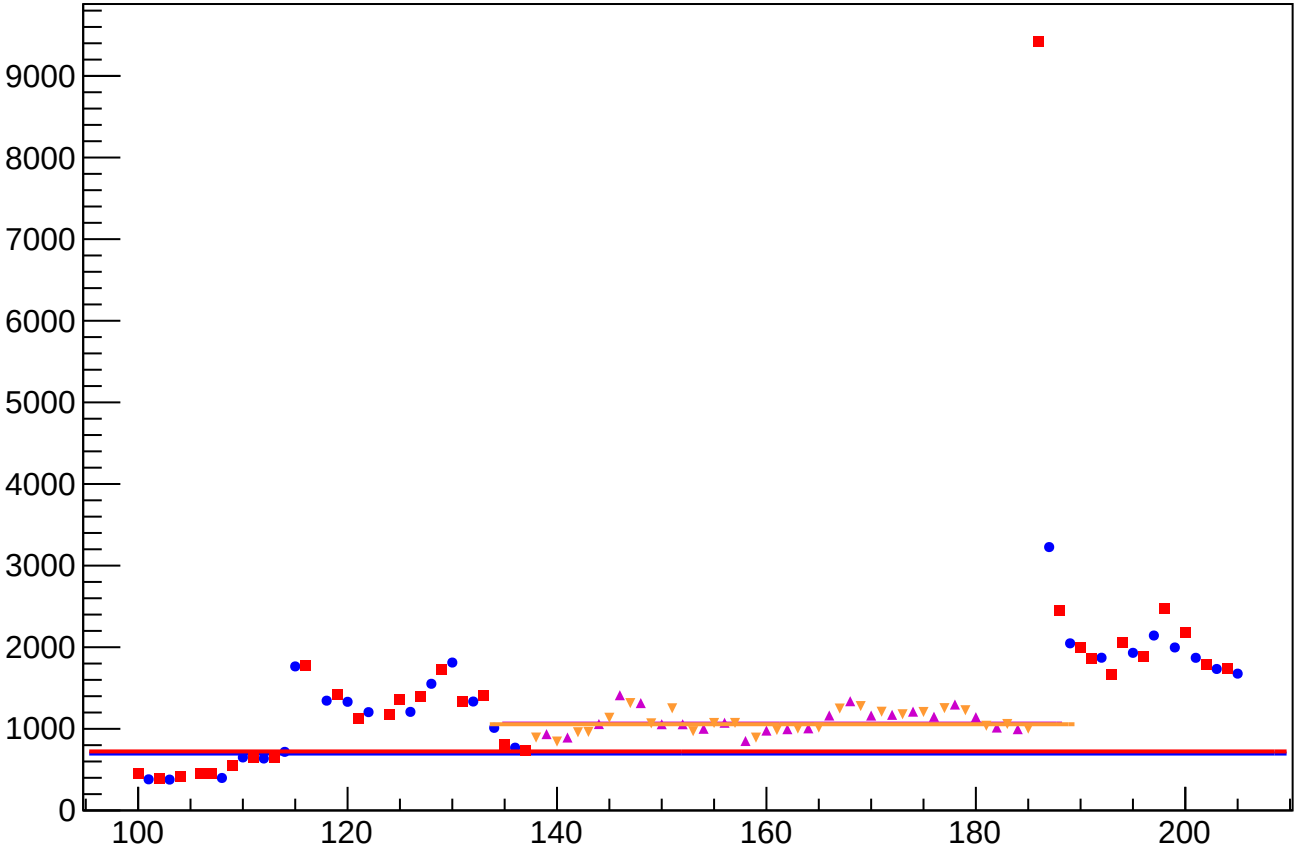
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 331.660+/-166.584 χ^2/NDF: 56.2/49

All: 158.548+/-118.601 χ^2/NDF: 119.7/102

- sign -19.396+/-168.893 χ^2/NDF: 61.3/52

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 697.178+/-0.162 χ^2/NDF: 9501516.3/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 723.193+/-0.161 χ^2/NDF: 10585030.8/29

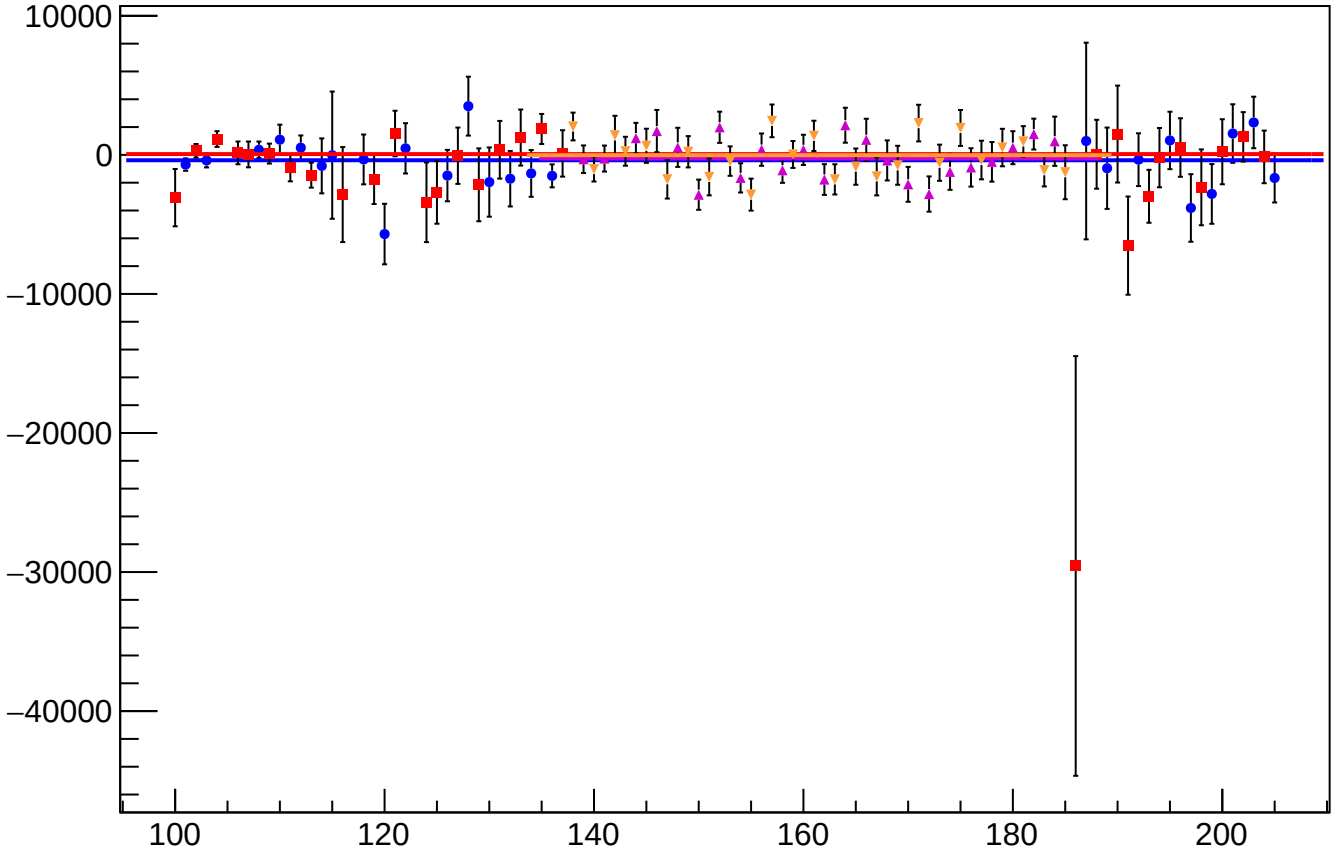
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 866.795+/-0.118 χ^2/NDF: 12429199.3/49

All: 872.075+/-0.084 χ^2/NDF: 25654611.7/10

- sign 877.503+/-0.119 χ^2/NDF: 13221337.0/52

asym_sam6_mean vs Slug



Right In: -385.661+/-225.881 χ^2/NDF: 25.3/24

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 55.896+/-225.978 χ^2/NDF: 30.9/29

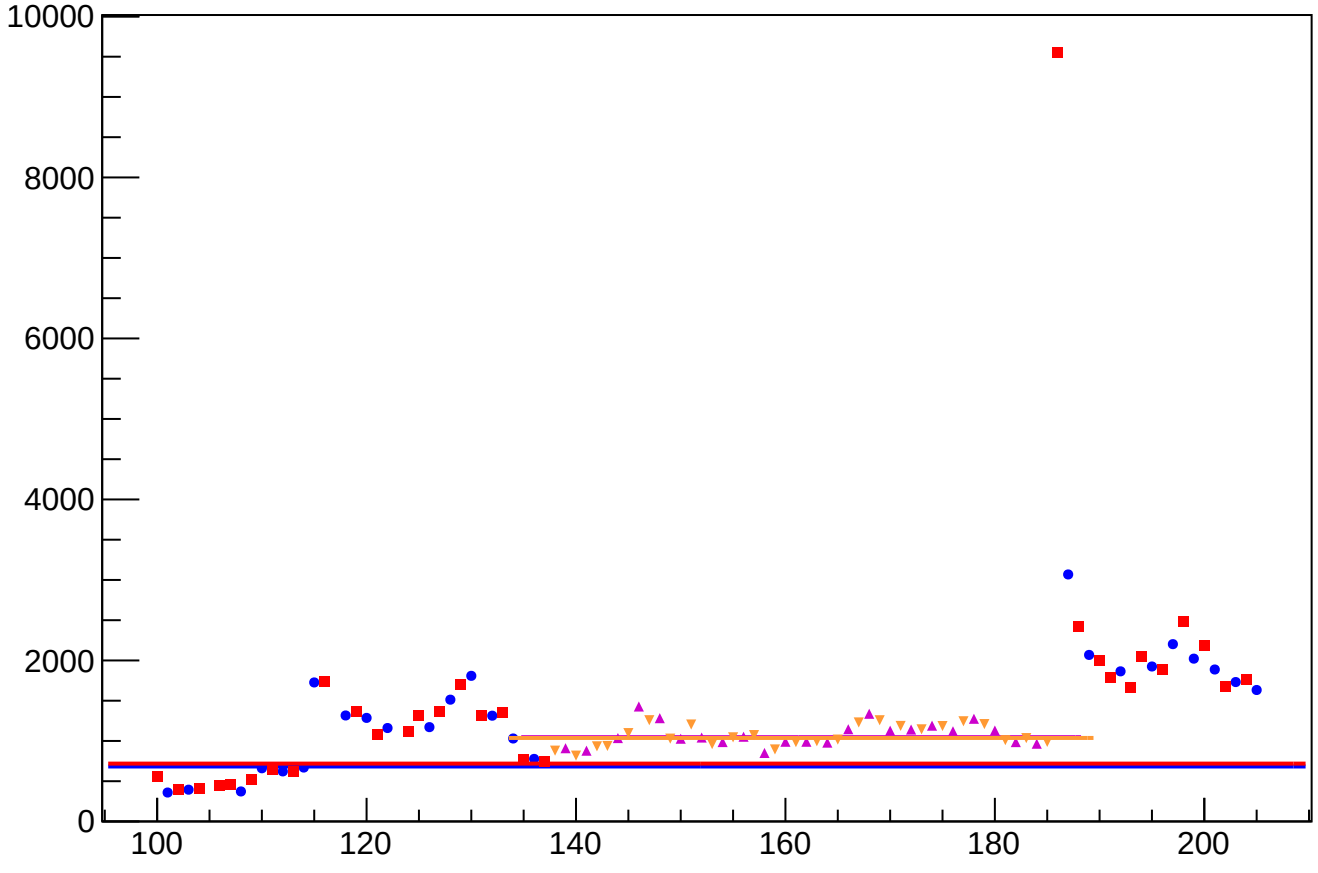
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -213.238+/-163.830 χ^2/NDF: 61.0/49

All: -150.668+/-116.878 χ^2/NDF: 126.6/102

- sign -85.816+/-166.790 χ^2/NDF: 65.3/52

asym_sam6_rms vs Slug



Right In: 682.833+/-0.160 χ^2/NDF: 9673591.5/24

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 718.549+/-0.160 χ^2/NDF: 10430926.1/29

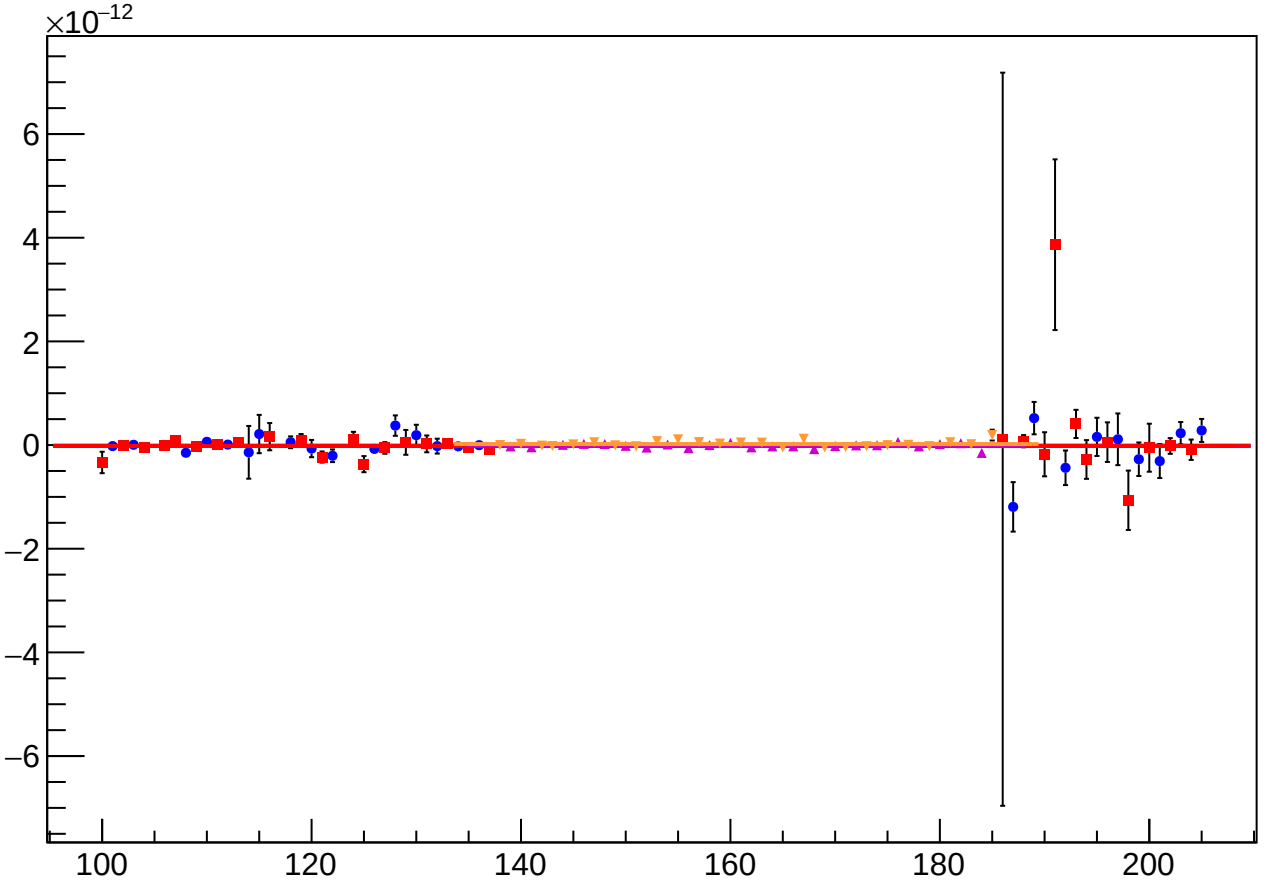
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 850.845+/-0.116 χ^2/NDF: 12593718.6/49

All: 859.444+/-0.083 χ^2/NDF: 25580020.1/10

- sign 868.358+/-0.118 χ^2/NDF: 12975078.9/52

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

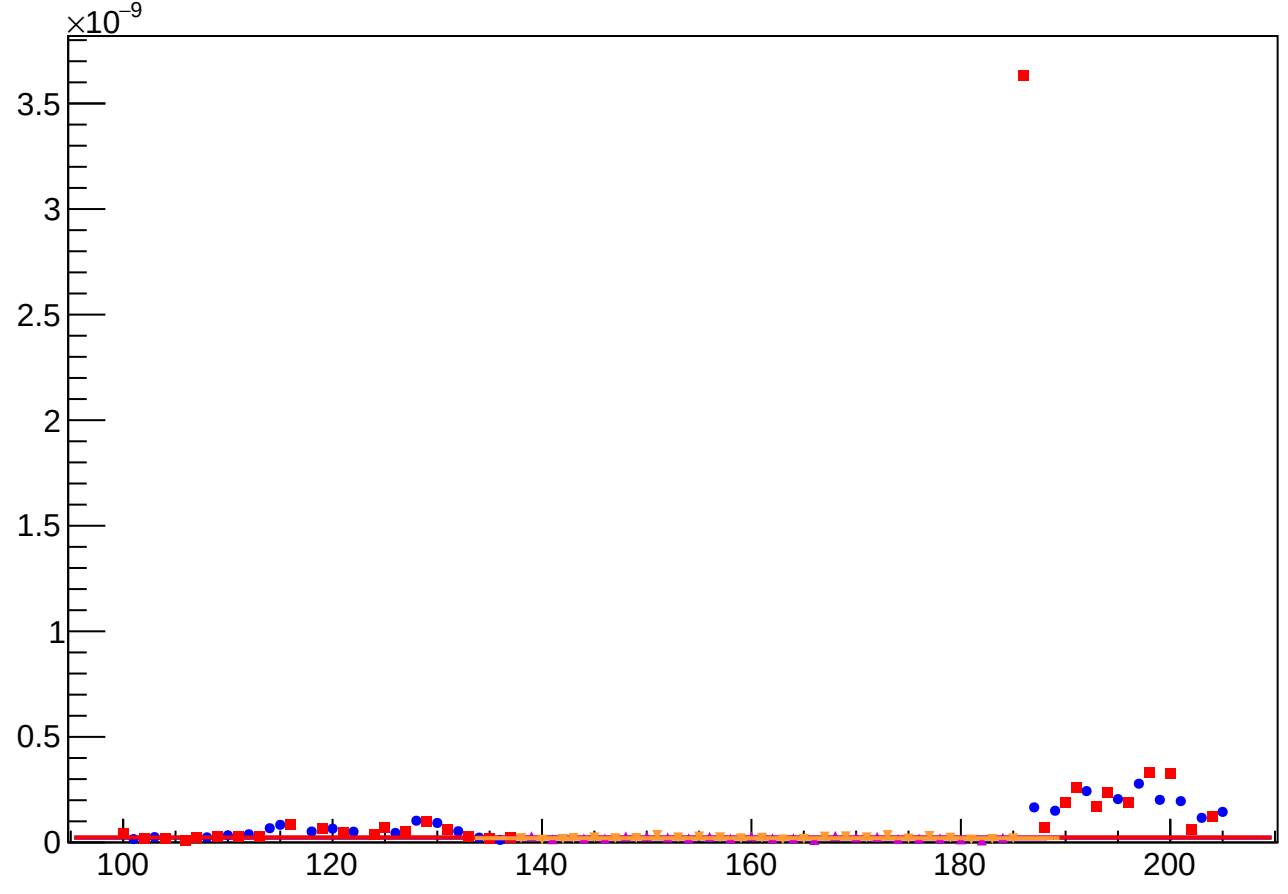
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/29

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/49

All: 0.000+/-0.000 χ^2/NDF: 122.3/102

- sign -0.000+/-0.000 χ^2/NDF: 51.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 6638472.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780419.9/29

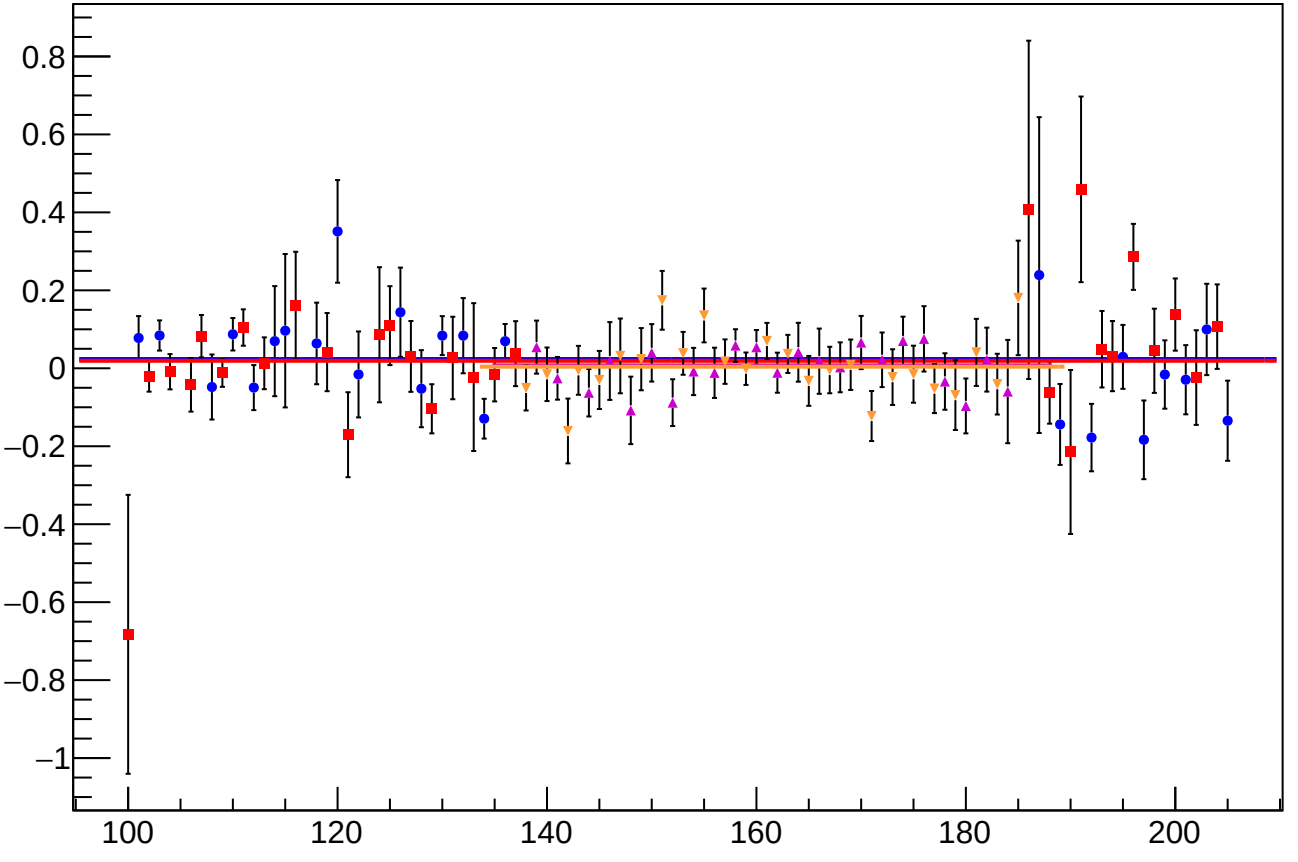
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7685414.2/49

All: 0.000+/-0.000 χ^2/NDF: 15689923.1/102

- sign 0.000+/-0.000 χ^2/NDF: 7999036.2/52

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

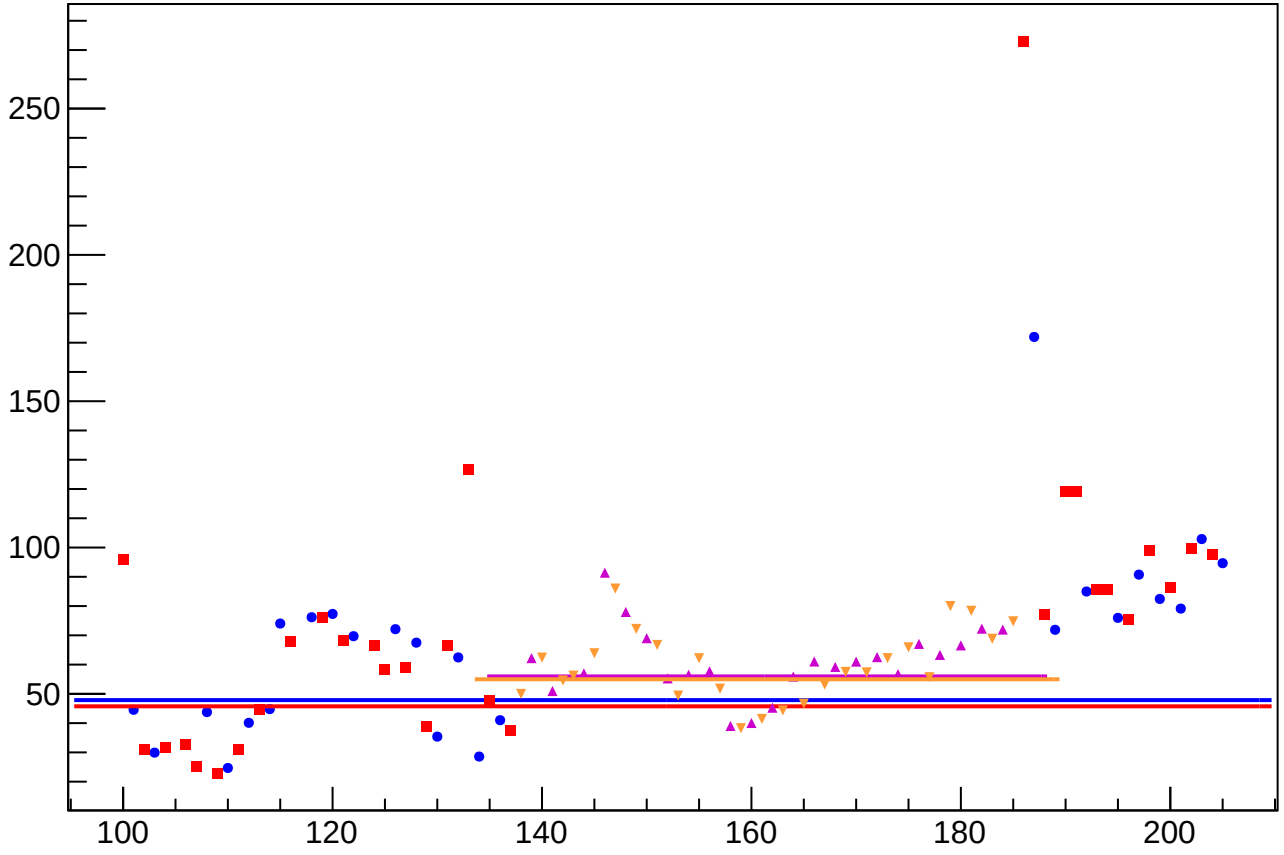
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.3/102

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

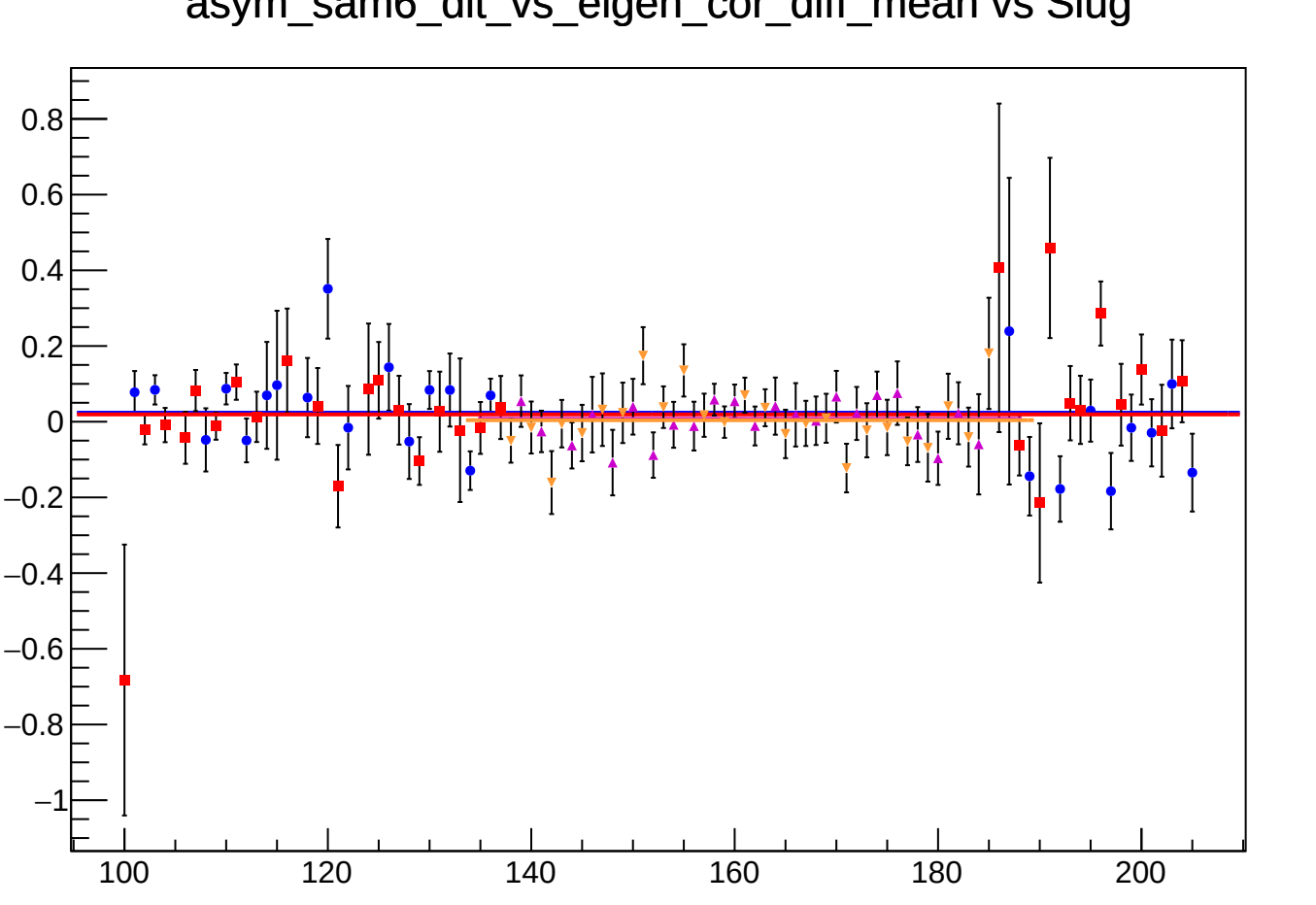
Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.810+/-0.007 χ^2/NDF: 6643352.2/49

All: 51.370+/-0.005 χ^2/NDF: 15411036.0/102

- sign 50.931+/-0.007 χ^2/NDF: 8759372.0/52



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

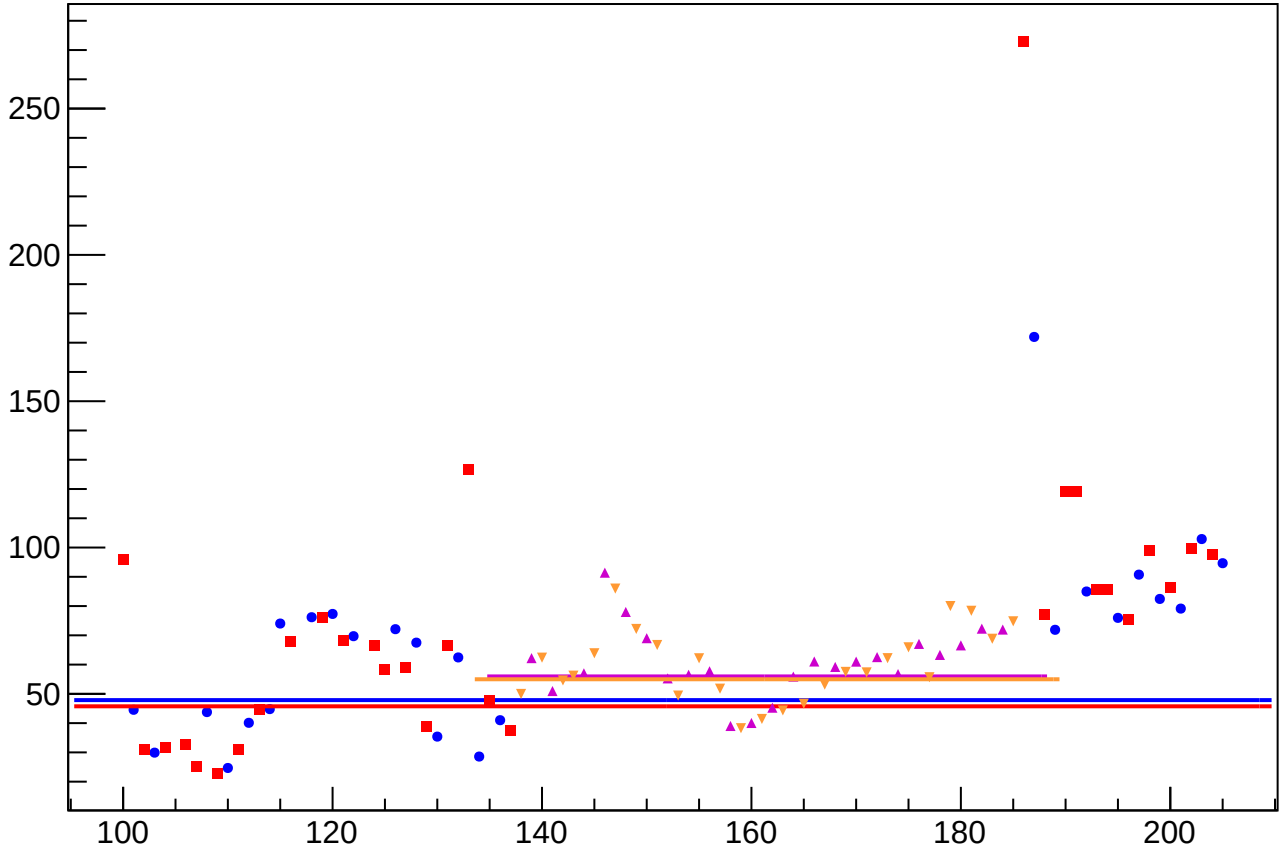
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.3/102

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

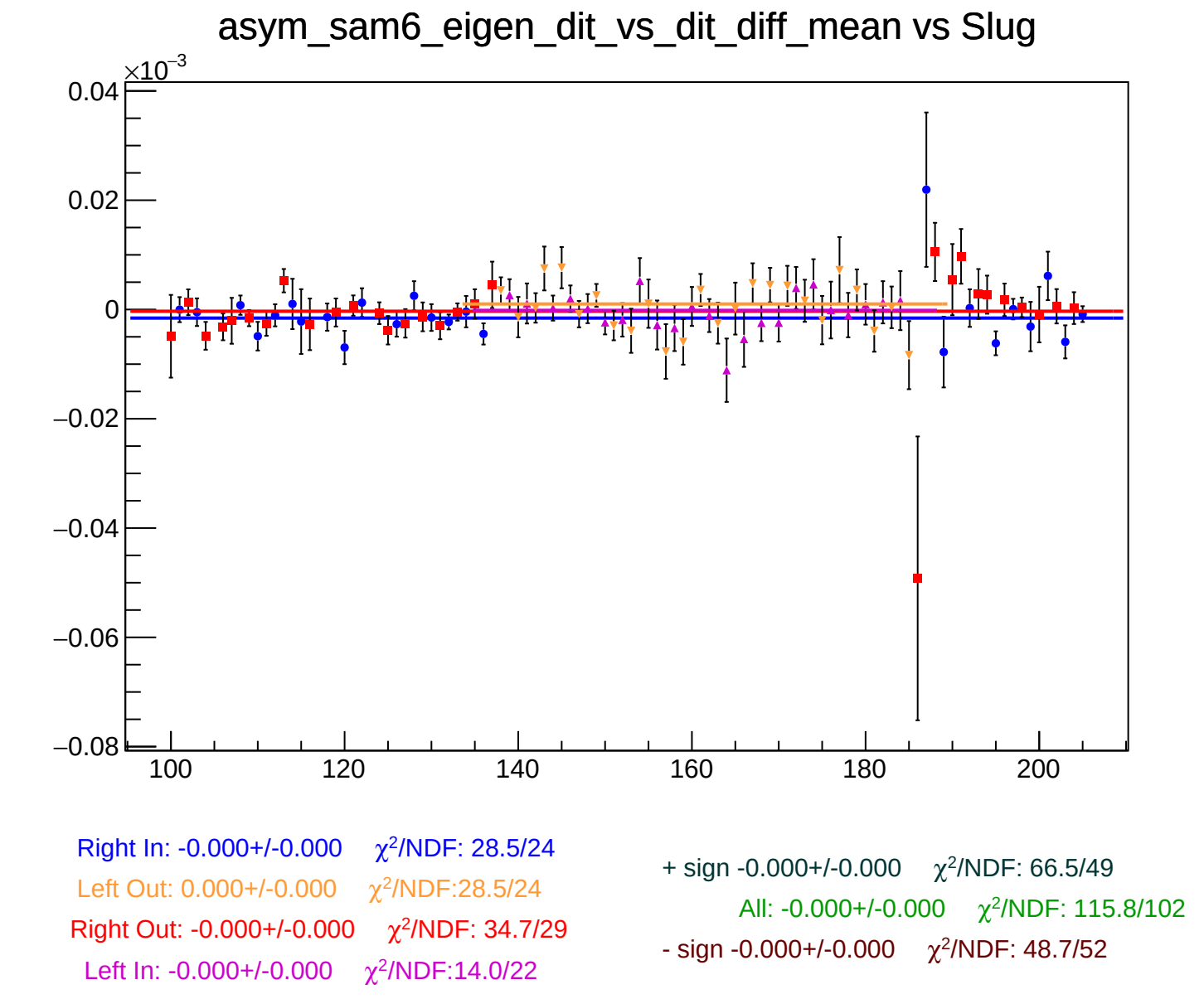
Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

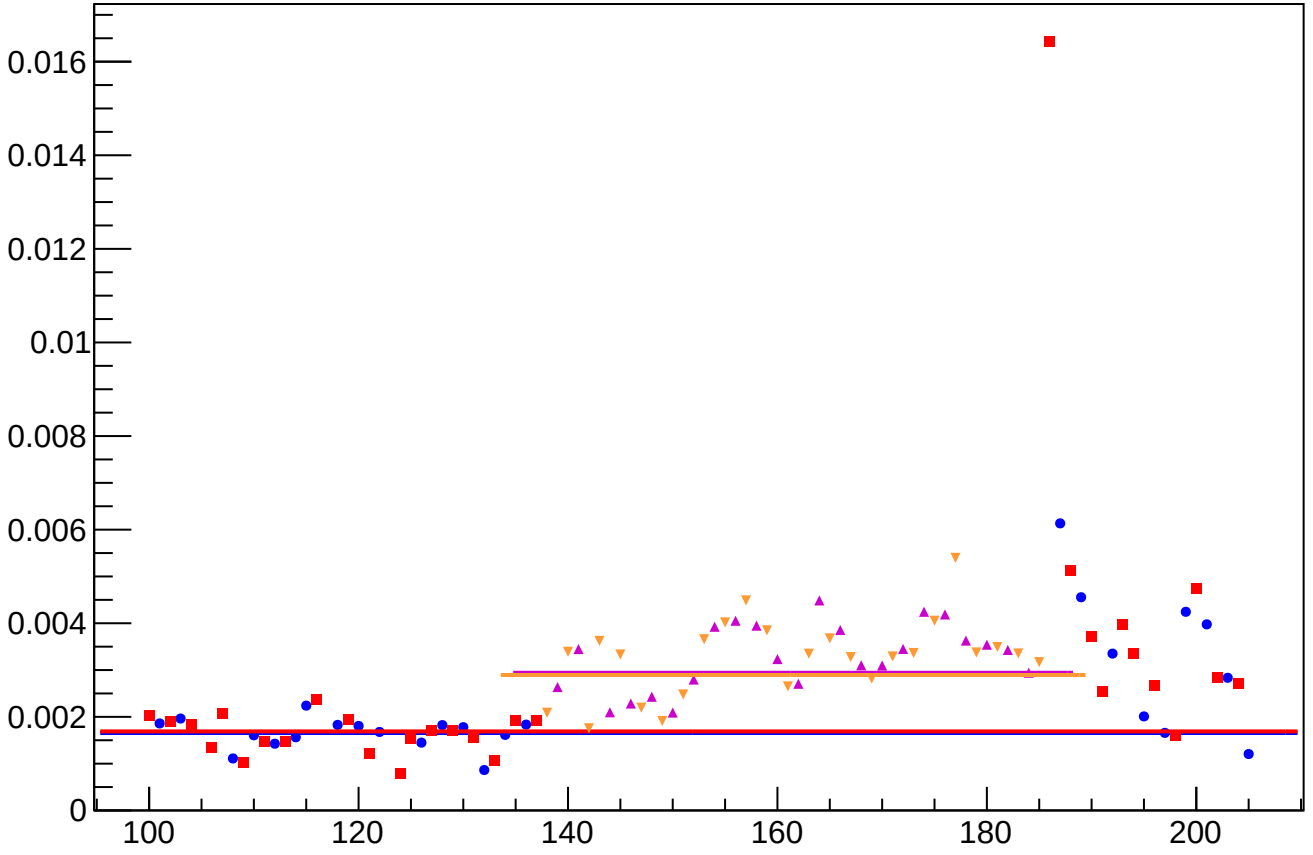
+ sign 51.810+/-0.007 χ^2/NDF: 6643352.2/49

All: 51.370+/-0.005 χ^2/NDF: 15411036.0/102

- sign 50.931+/-0.007 χ^2/NDF: 8759372.0/52


asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.5/24
Left Out: 0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.7/29
Left In: -0.000+/-0.000 χ²/NDF:14.0/22
+ sign -0.000+/-0.000 χ²/NDF: 66.5/49
All: -0.000+/-0.000 χ²/NDF: 115.8/102
- sign -0.000+/-0.000 χ²/NDF: 48.7/52

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3855200.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

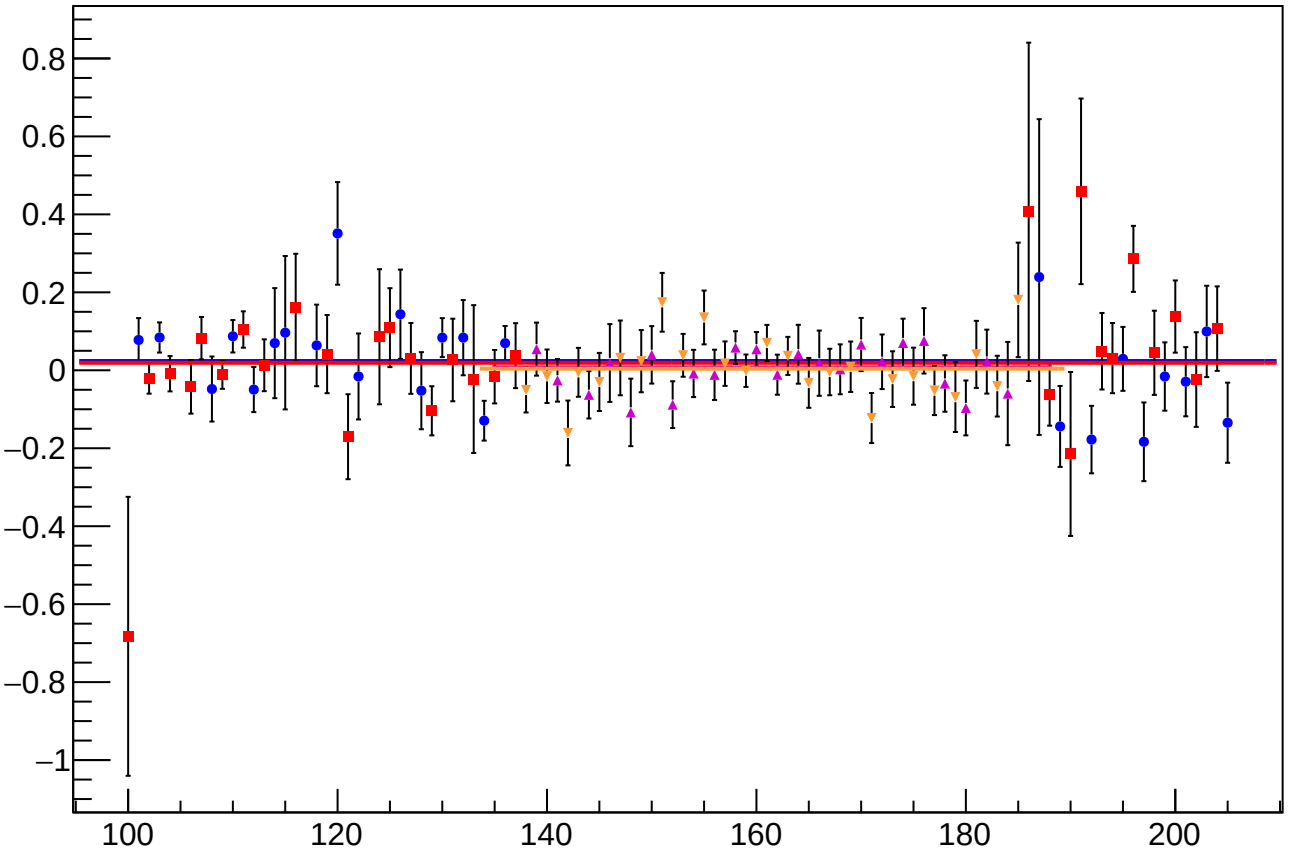
Right Out: 0.002+/-0.000 χ^2/NDF: 5626441.2/29

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 10847859.5/49

All: 0.002+/-0.000 χ^2/NDF: 22628401.4/102

- sign 0.002+/-0.000 χ^2/NDF: 11778780.4/52



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

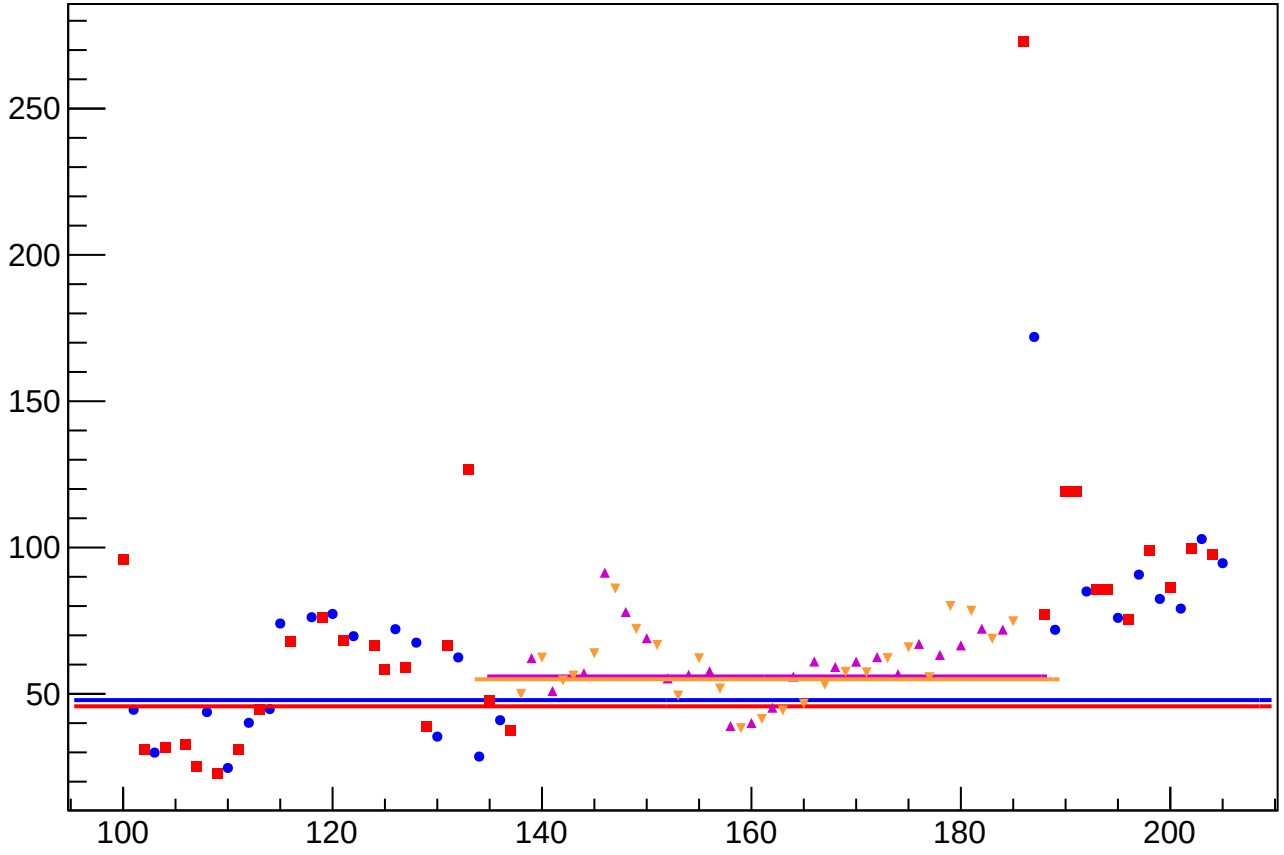
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.3/102

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

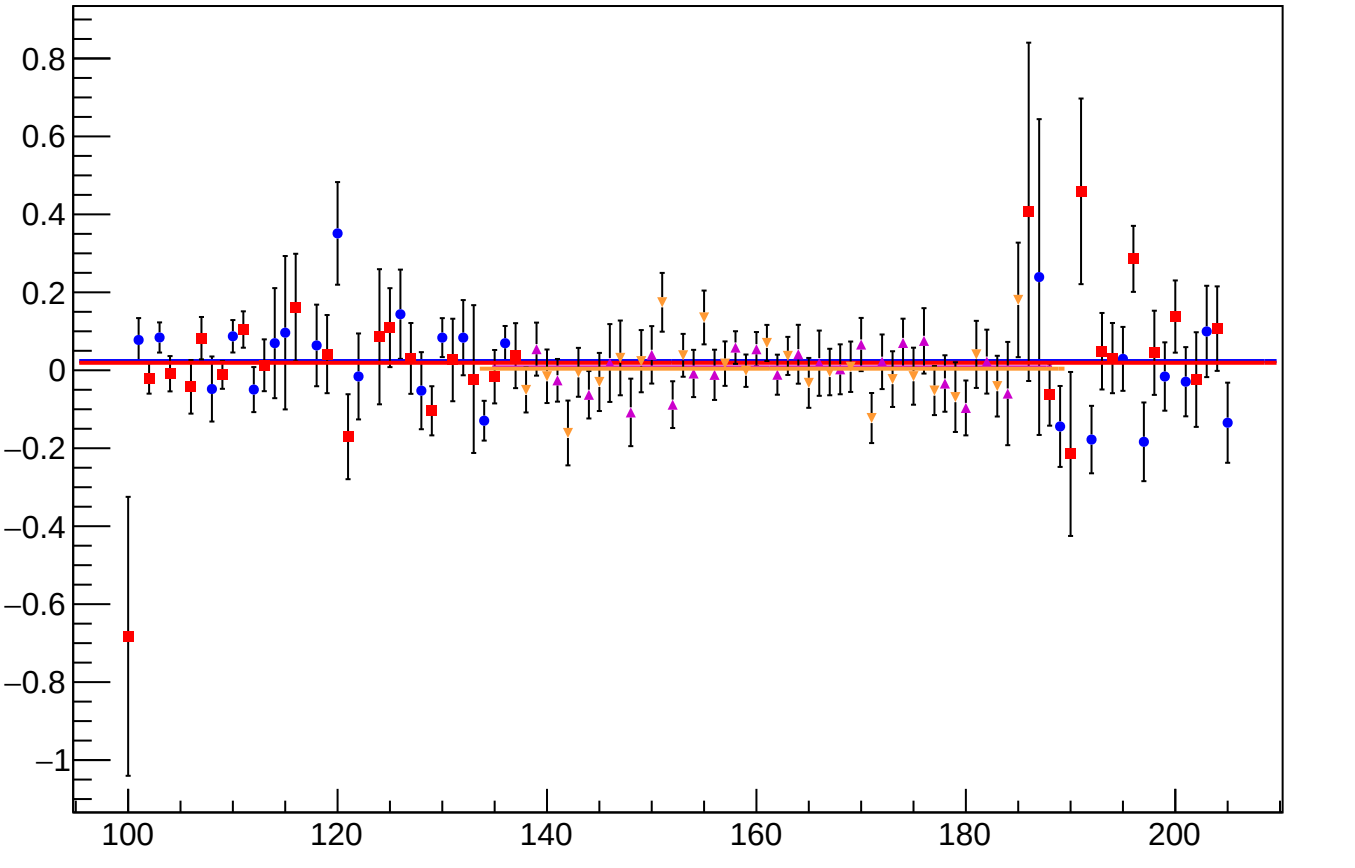
Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.809+/-0.007 χ^2/NDF: 6643565.6/49

All: 51.369+/-0.005 χ^2/NDF: 15411344.3/102

- sign 50.930+/-0.007 χ^2/NDF: 8759468.3/52



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

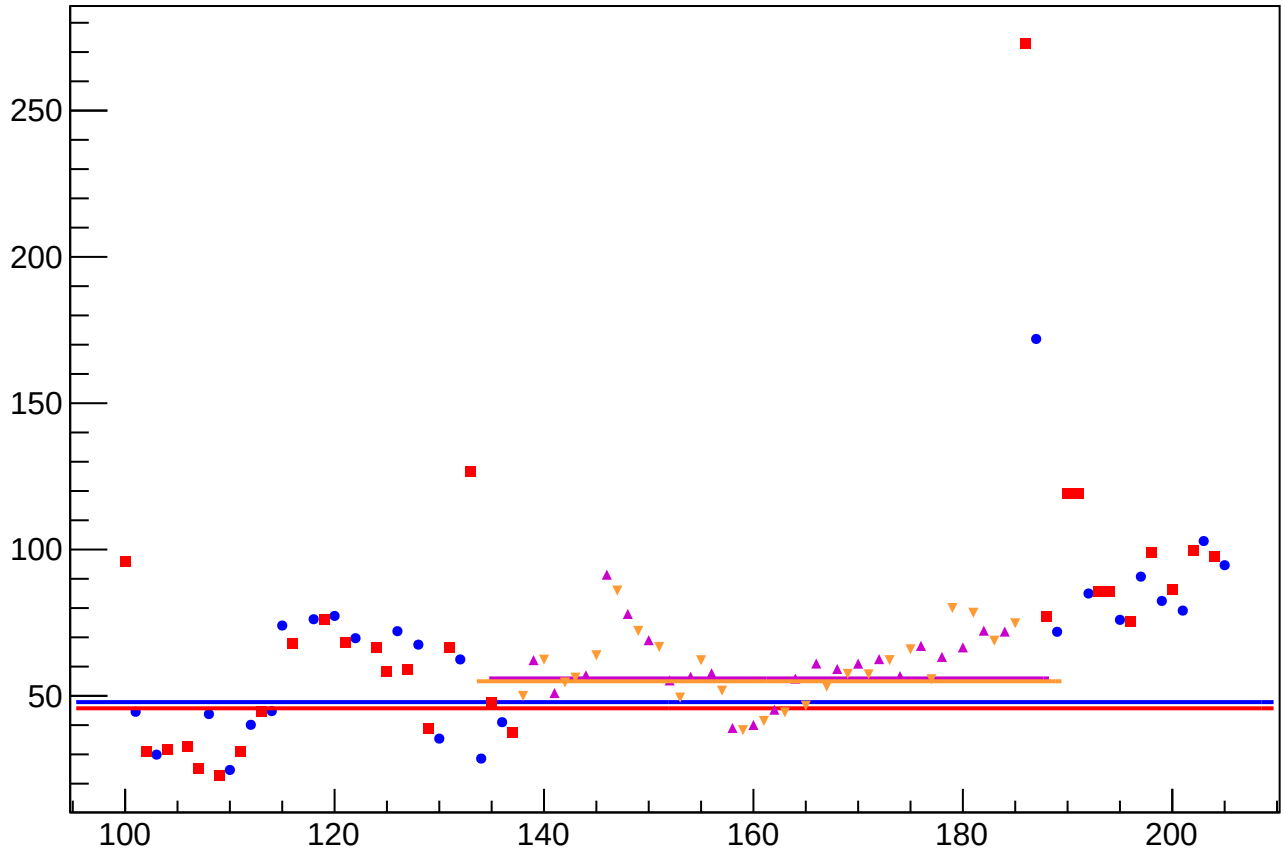
Right Out: 0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.3/102

- sign 0.013+/-0.010 χ^2/NDF: 55.2/52



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

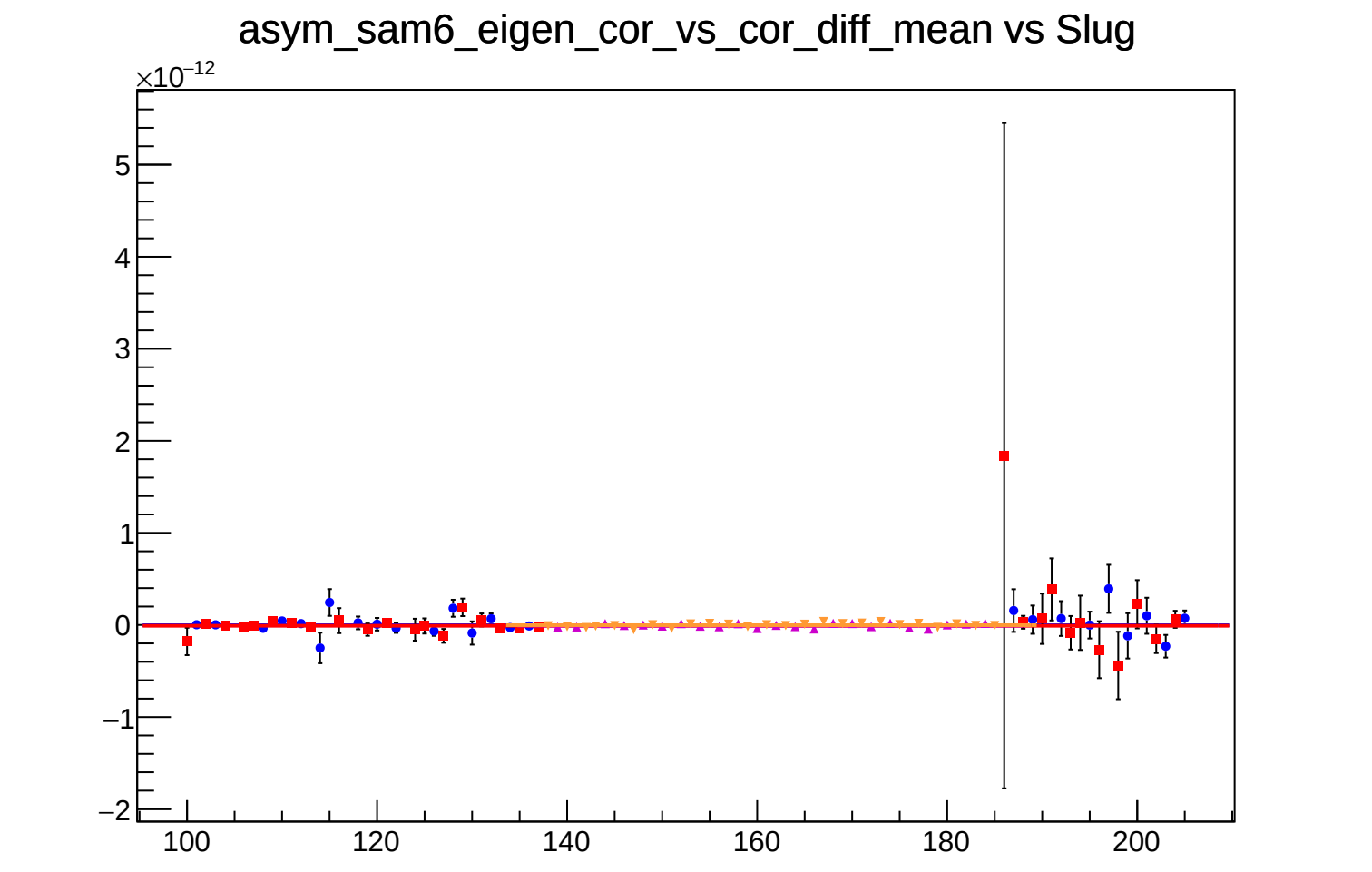
Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.809+/-0.007 χ^2/NDF: 6643565.6/49

All: 51.369+/-0.005 χ^2/NDF: 15411344.3/102

- sign 50.930+/-0.007 χ^2/NDF: 8759468.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

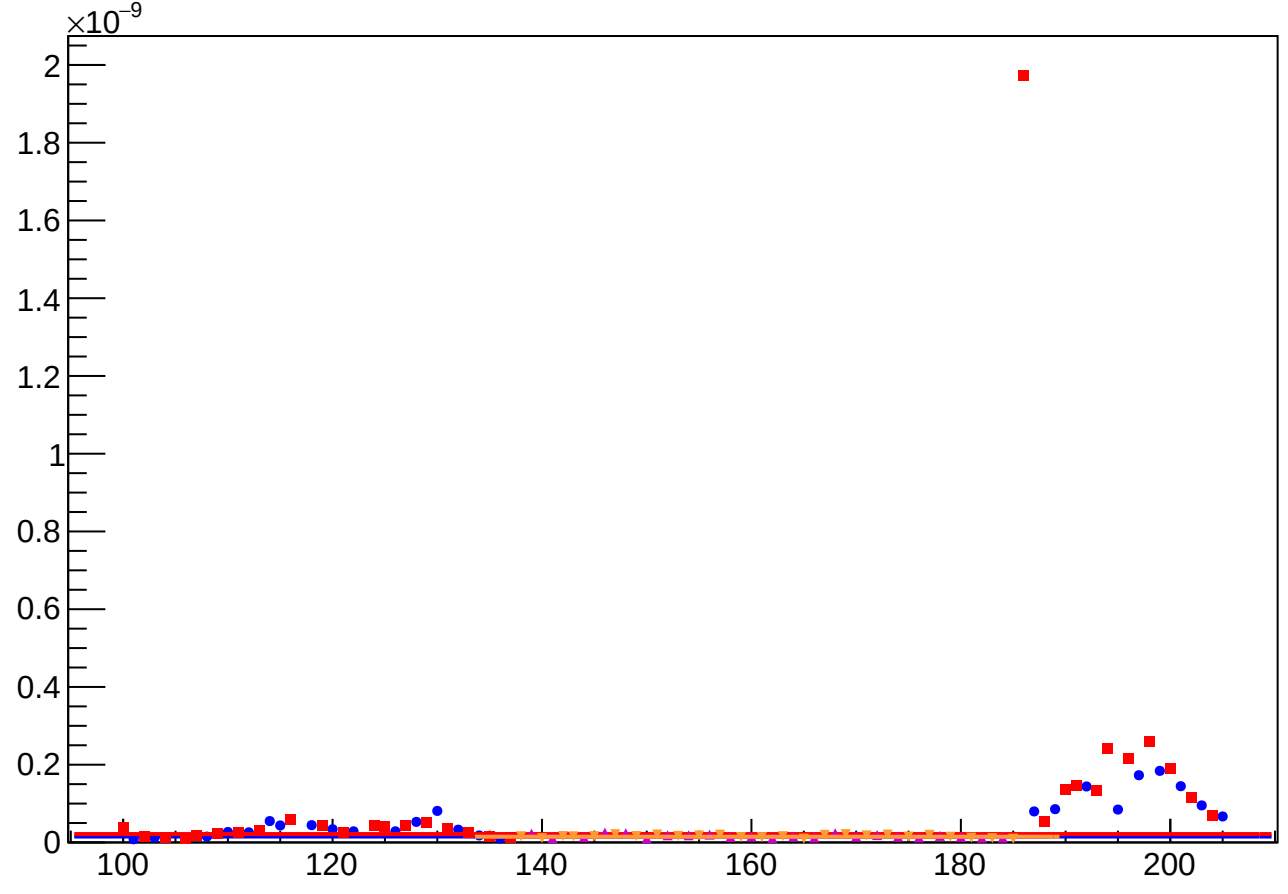
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.7/49

All: -0.000+/-0.000 χ^2/NDF: 88.7/102

- sign -0.000+/-0.000 χ^2/NDF: 44.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 9408167.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9509280.5/29

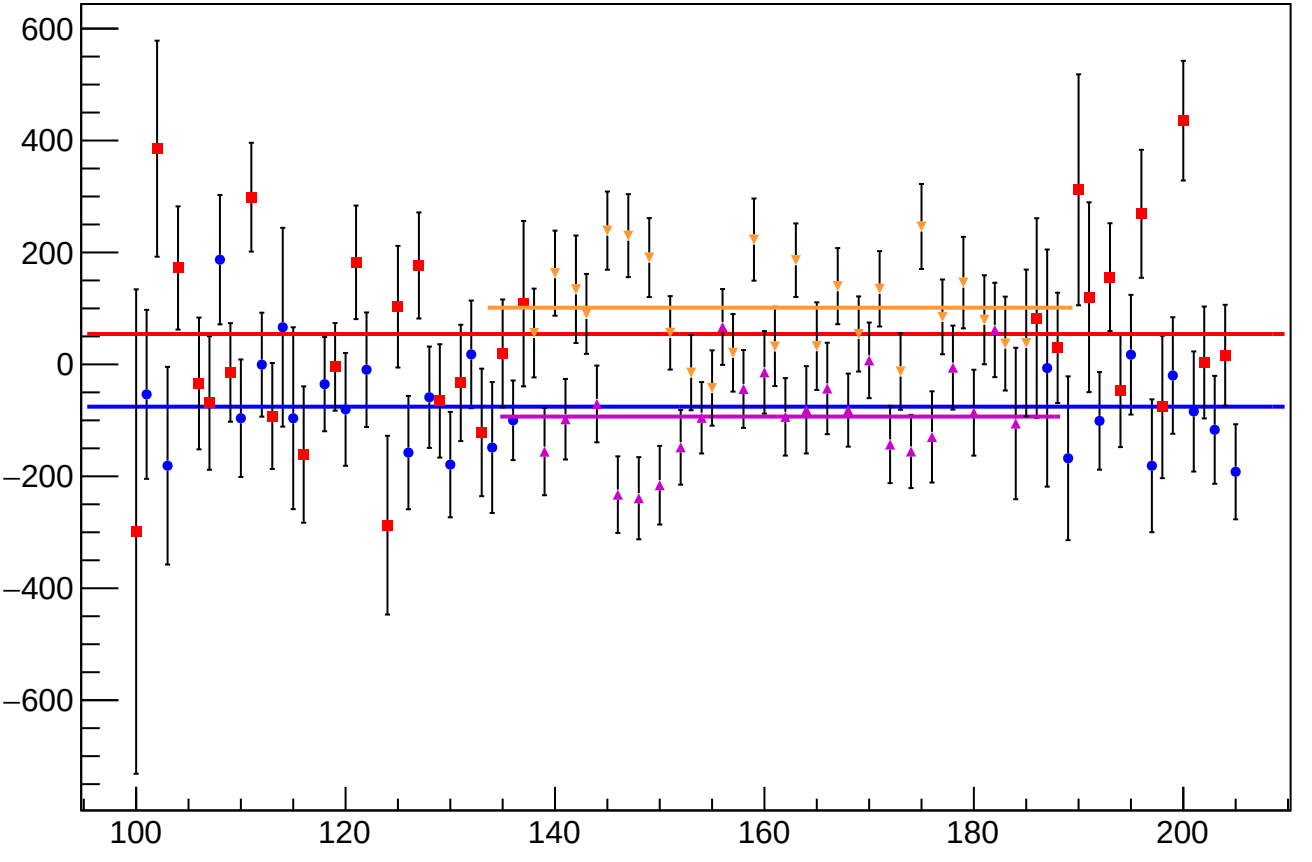
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10816759.5/49

All: 0.000+/-0.000 χ^2/NDF: 22785781.7/102

- sign 0.000+/-0.000 χ^2/NDF: 11851018.1/52

reg_asym_sam7_mean vs Slug



Right In: -75.550+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.321+/-20.263 χ^2/NDF: 53.8/29

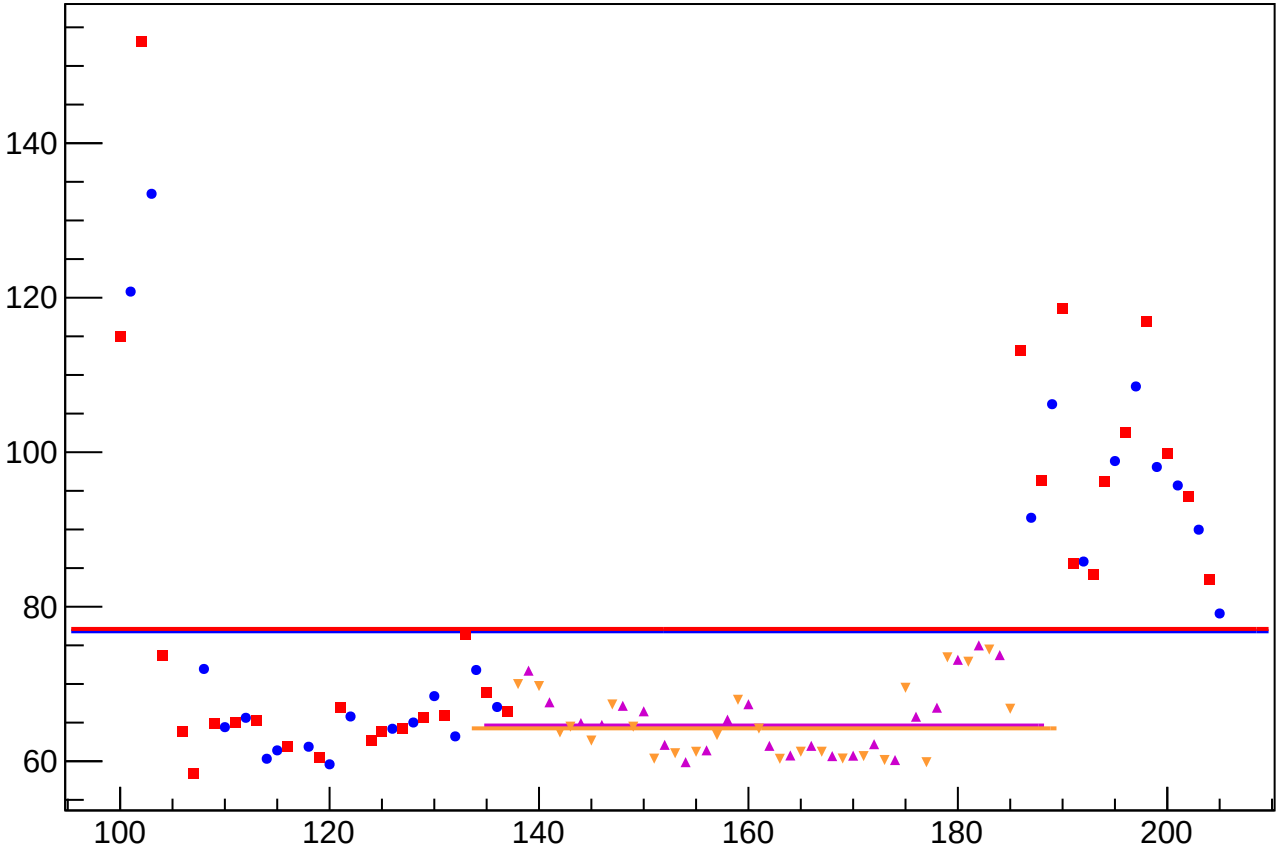
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 43.642+/-12.019 χ^2/NDF: 96.8/49

All: 2.001+/-8.537 χ^2/NDF: 237.8/102

- sign -40.387+/-12.127 χ^2/NDF: 116.7/52

reg_asym_sam7_rms vs Slug



Right In: 76.821+/-0.015 χ^2/NDF: 1301659.6/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.126+/-0.014 χ^2/NDF: 1581885.9/29

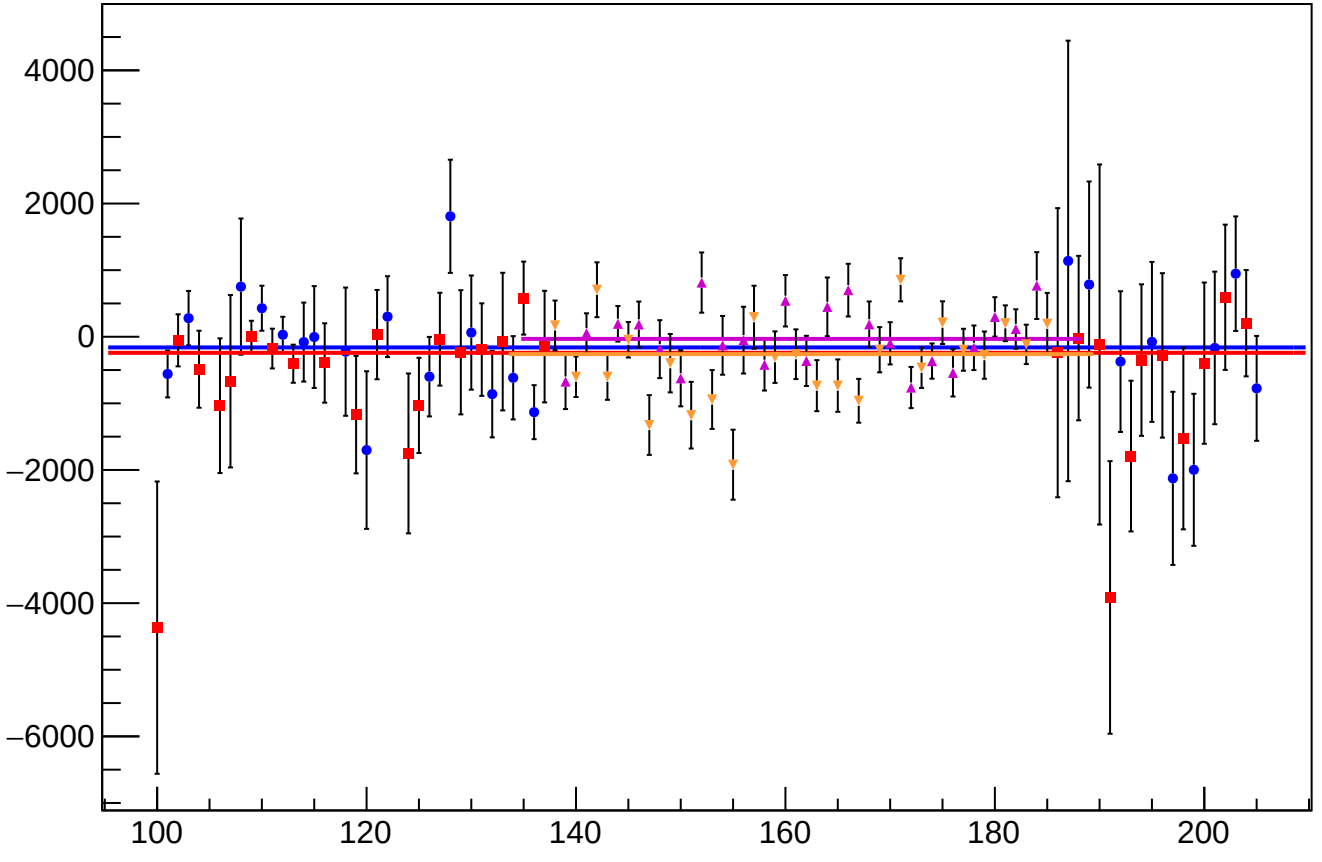
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.353+/-0.008 χ^2/NDF: 1959695.7/49

All: 68.723+/-0.006 χ^2/NDF: 4181460.3/102

- sign 69.100+/-0.009 χ^2/NDF: 2217941.8/52

asym_sam7_reg_correction_mean vs Slug



Right In: -160.412+/-119.292 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -241.171+/-112.390 χ^2/NDF: 19.5/29

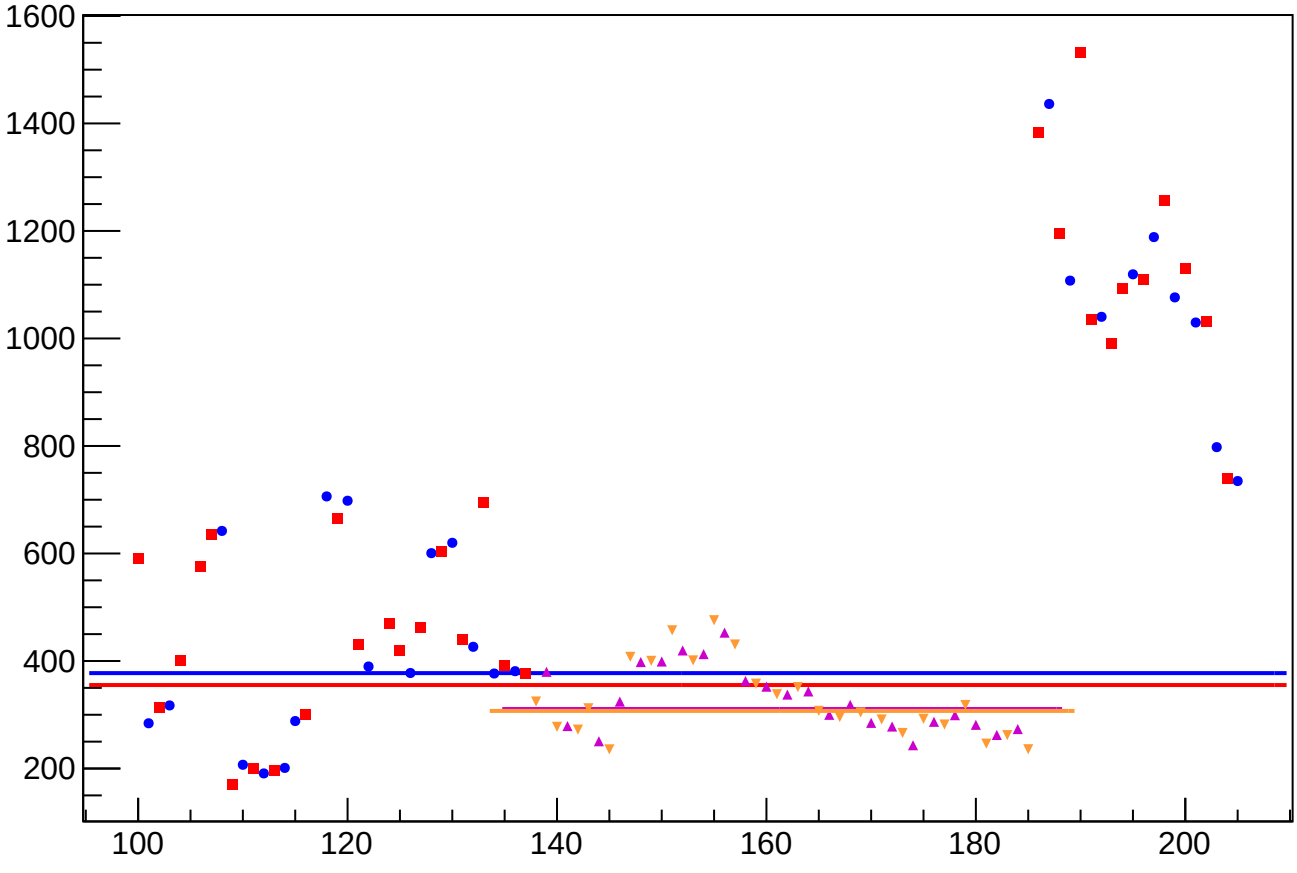
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -234.633+/-61.181 χ^2/NDF: 89.6/49

All: -165.595+/-43.448 χ^2/NDF: 145.8/102

- sign -95.358+/-61.711 χ^2/NDF: 53.6/52

asym_sam7_reg_correction_rms vs Slug



Right In: 377.472+/-0.084 χ^2/NDF: 7943157.6/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

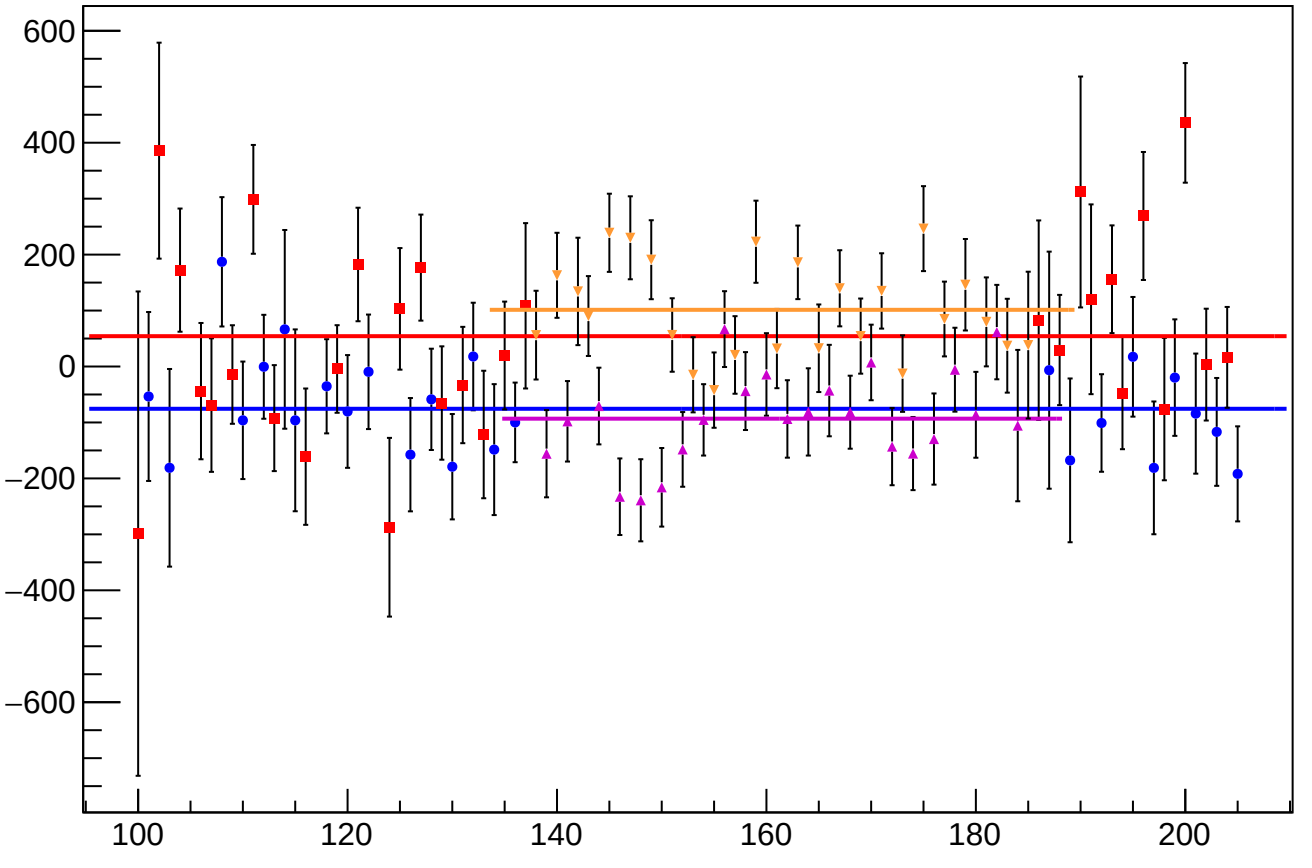
Right Out: 355.299+/-0.079 χ^2/NDF: 10477295.8/29

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 325.642+/-0.043 χ^2/NDF: 9775608.8/49

All: 324.900+/-0.031 χ^2/NDF: 21552985.5/10

- sign 324.144+/-0.044 χ^2/NDF: 11776782.3/52



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.219+/-20.283 χ^2/NDF: 53.9/29

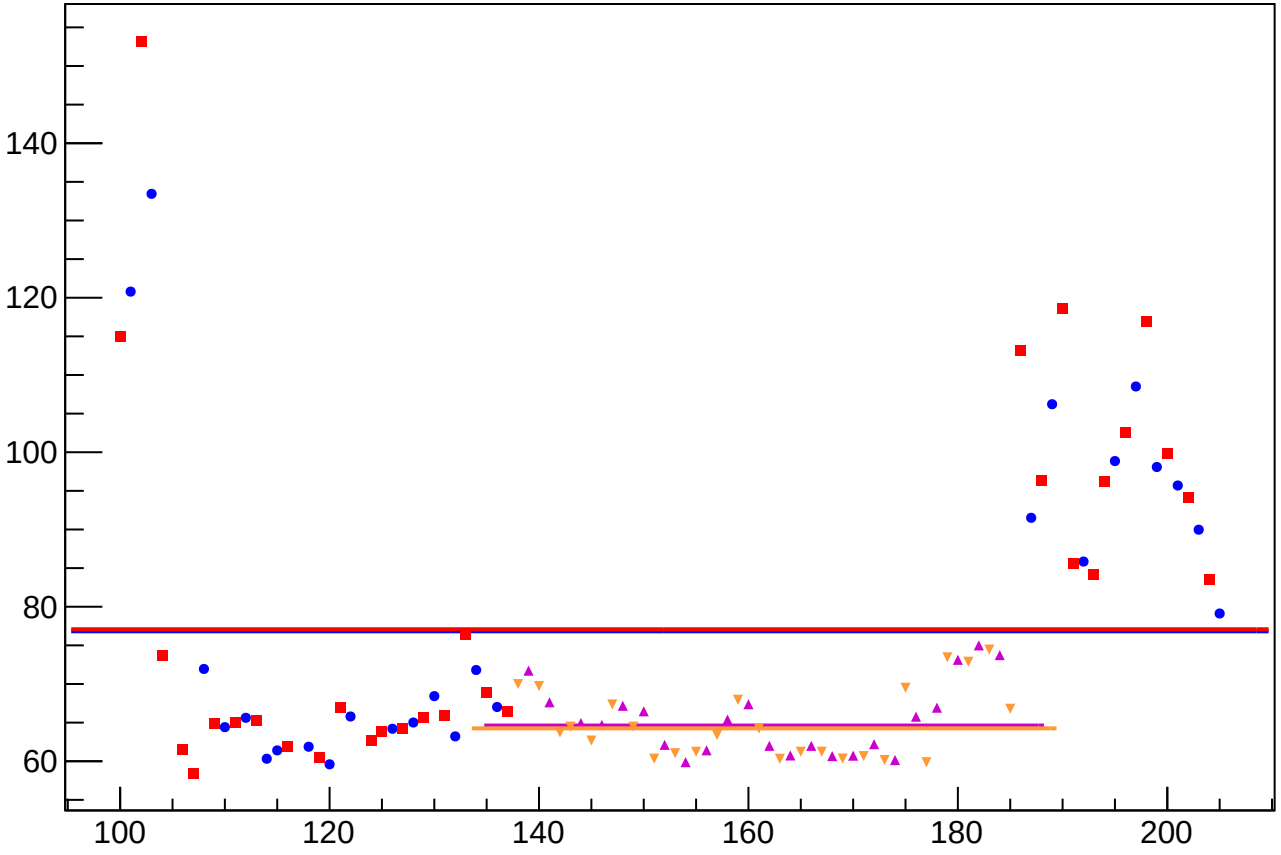
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 43.641+/-12.019 χ^2/NDF: 96.8/49

All: 1.965+/-8.538 χ^2/NDF: 237.8/102

- sign -40.489+/-12.131 χ^2/NDF: 116.7/52

cor_asym_sam7_rms vs Slug



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

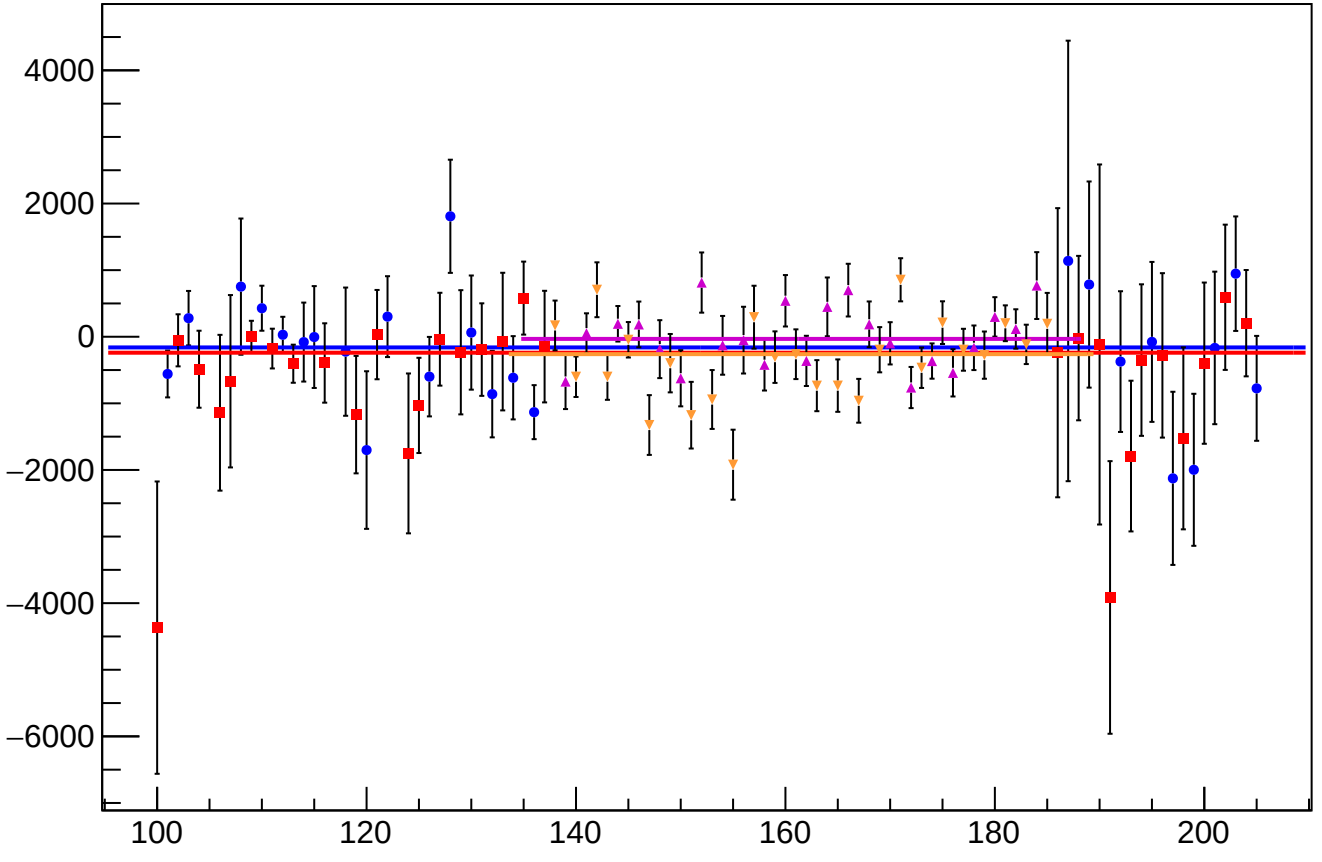
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.353+/-0.008 χ^2/NDF: 1959696.0/49

All: 68.713+/-0.006 χ^2/NDF: 4185075.4/102

- sign 69.080+/-0.009 χ^2/NDF: 2221757.9/52

asym_sam7_cor_correction_mean vs Slug



Right In: -160.408+/-119.293 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -239.680+/-112.570 χ^2/NDF: 19.5/29

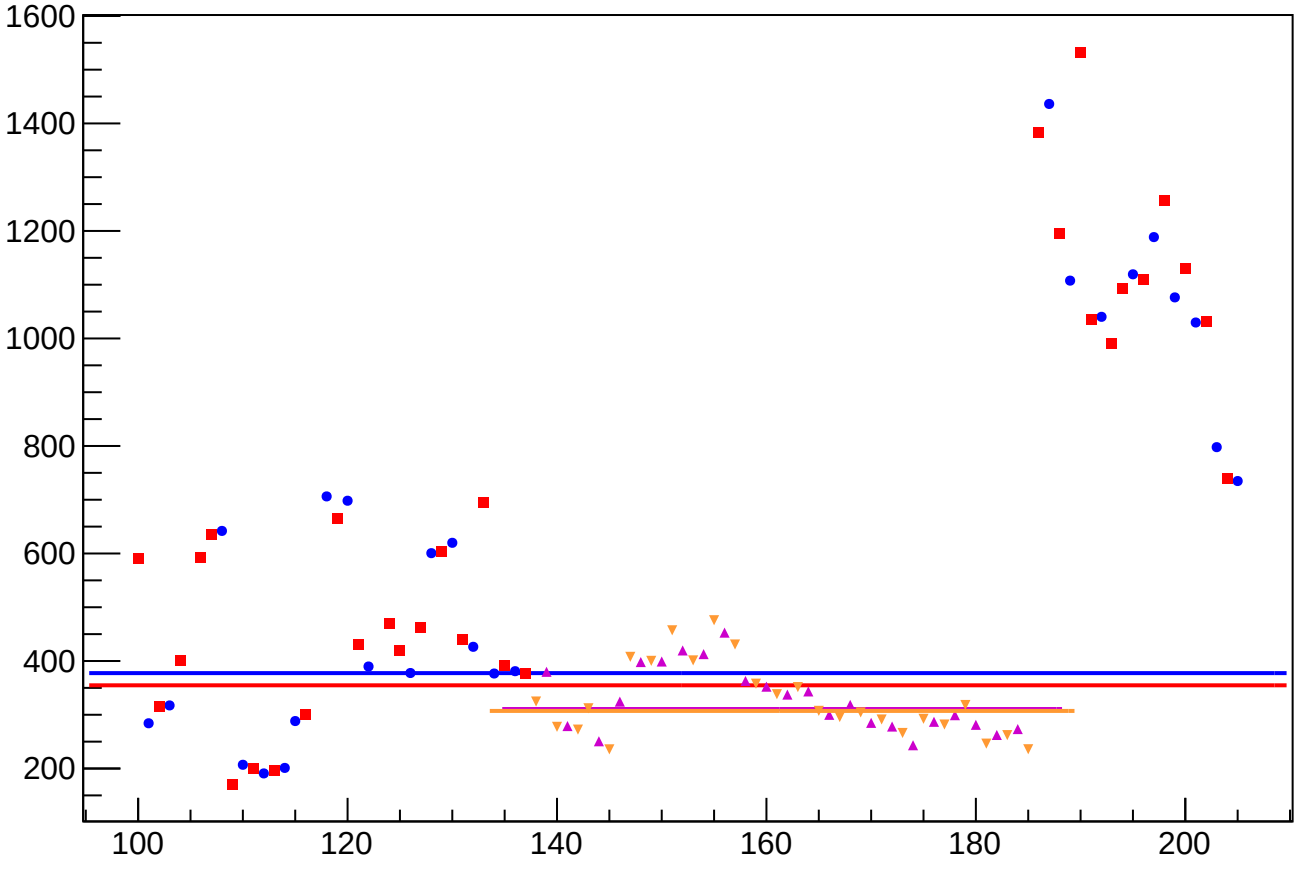
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -234.633+/-61.181 χ^2/NDF: 89.6/49

All: -165.336+/-43.458 χ^2/NDF: 145.7/102

- sign -94.766+/-61.741 χ^2/NDF: 53.6/52

asym_sam7_cor_correction_rms vs Slug



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

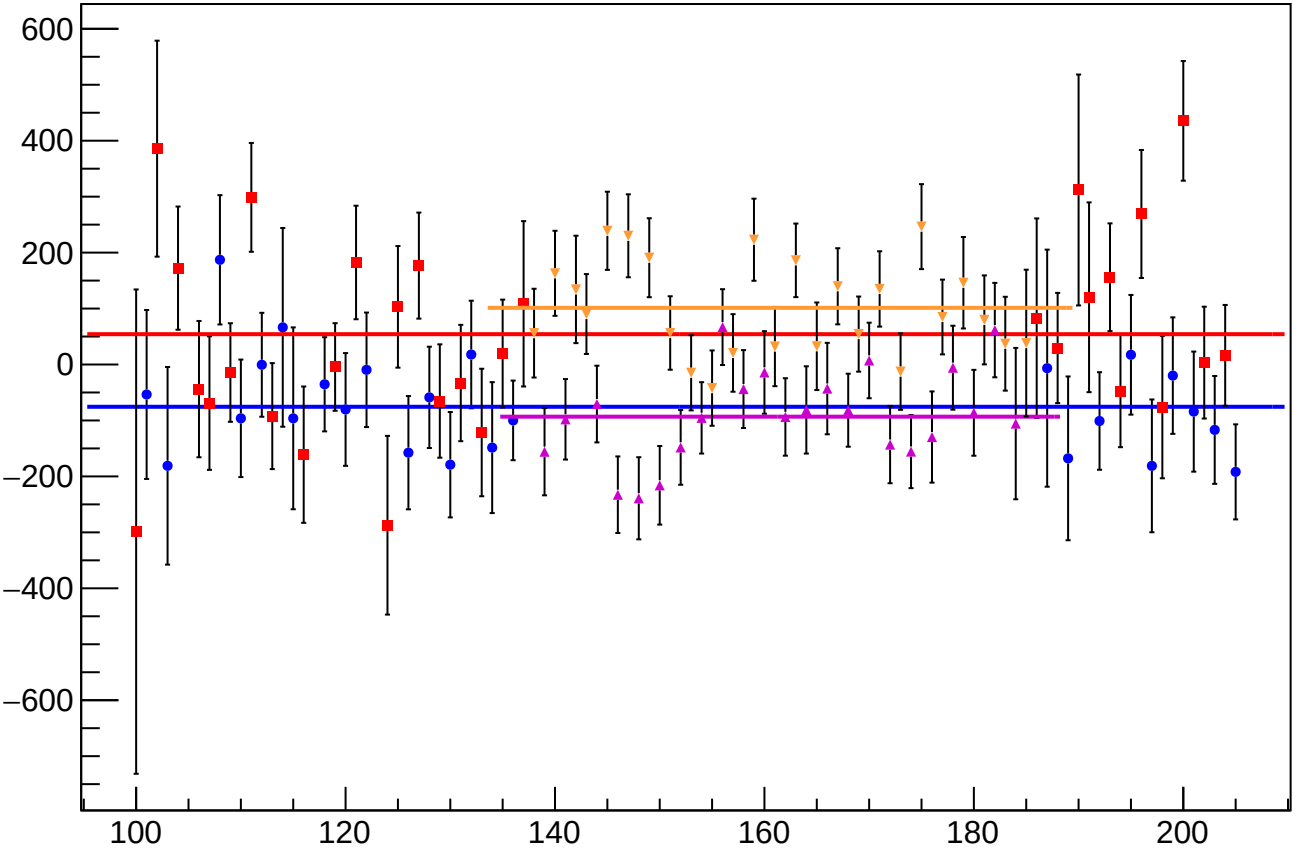
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 325.643+/-0.043 χ^2/NDF: 9775602.1/49

All: 324.810+/-0.031 χ^2/NDF: 21535605.5/10

- sign 323.962+/-0.044 χ^2/NDF: 11759255.7/52

eigen_cor_asym_sam7_mean vs Slug



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.219+/-20.283 χ^2/NDF: 53.9/29

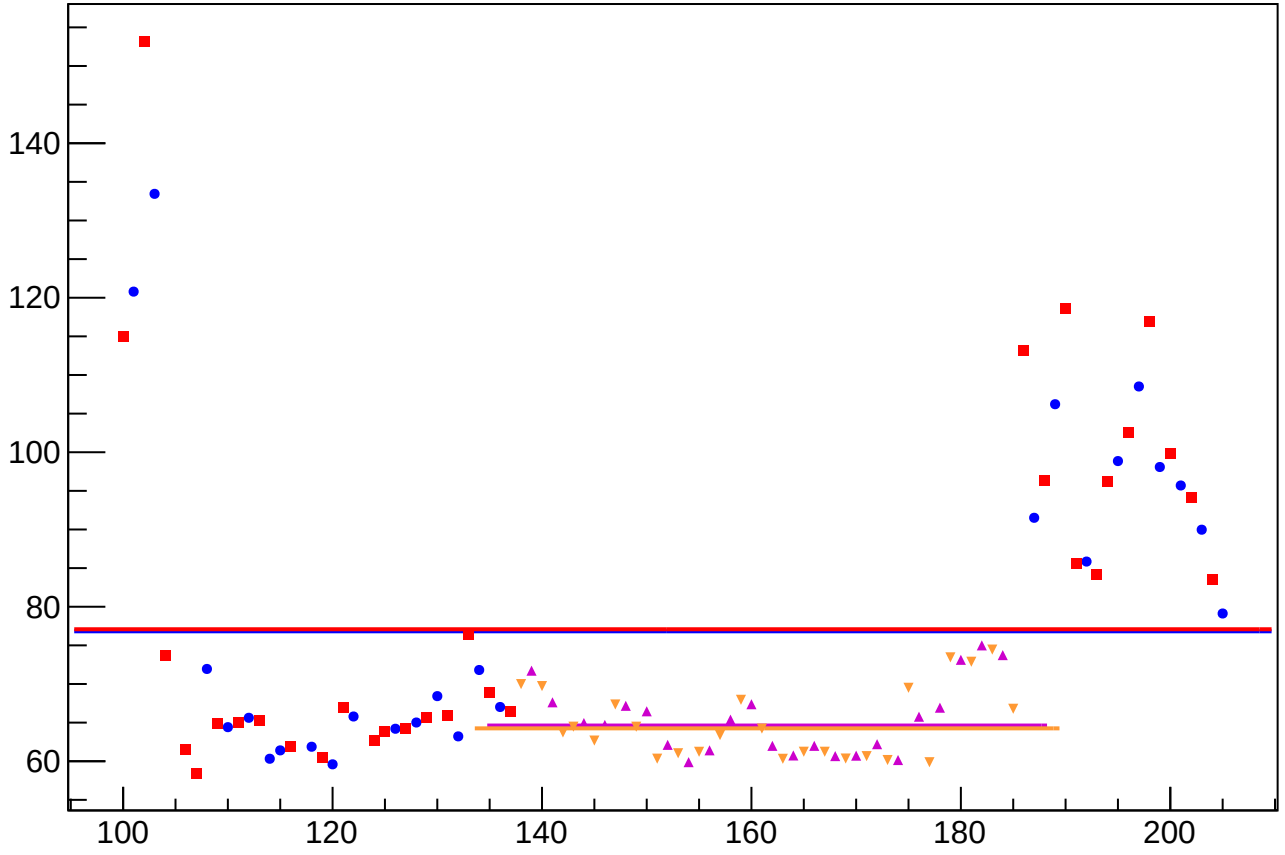
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 43.641+/-12.019 χ^2/NDF: 96.8/49

All: 1.965+/-8.538 χ^2/NDF: 237.8/102

- sign -40.489+/-12.131 χ^2/NDF: 116.7/52

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

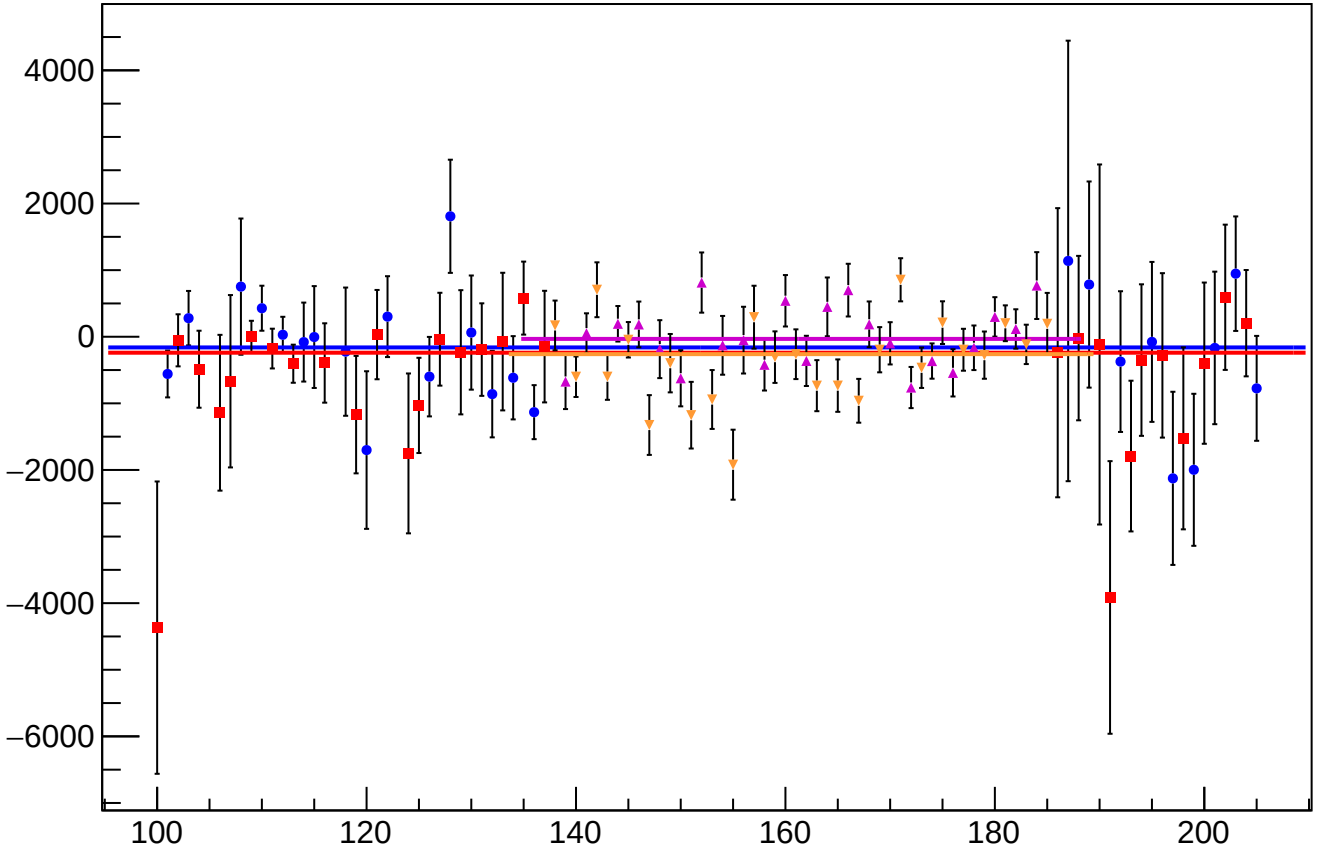
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.353+/-0.008 χ^2/NDF: 1959696.0/49

All: 68.713+/-0.006 χ^2/NDF: 4185075.4/102

- sign 69.080+/-0.009 χ^2/NDF: 2221757.9/52

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -160.408+/-119.293 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -239.680+/-112.570 χ^2/NDF: 19.5/29

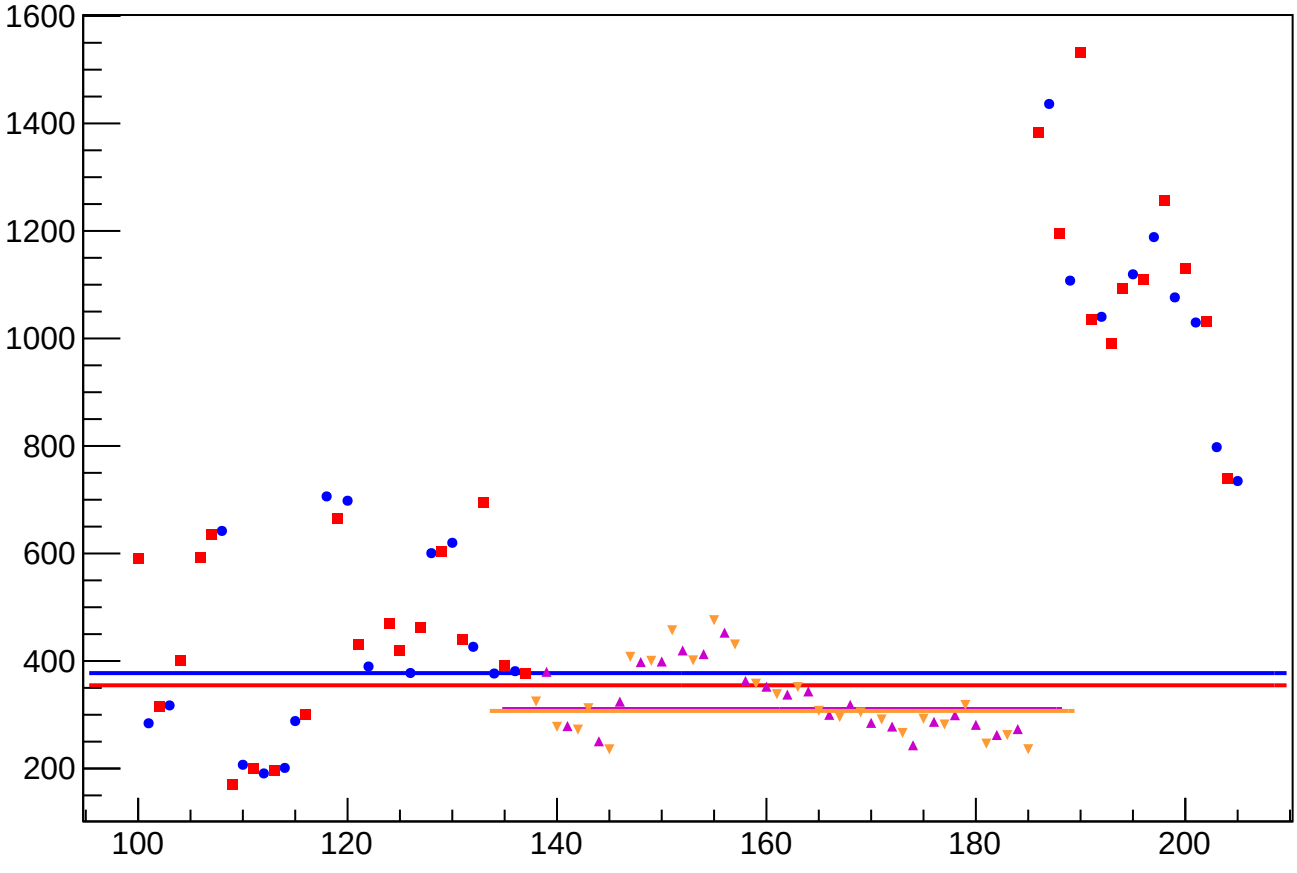
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -234.633+/-61.181 χ^2/NDF: 89.6/49

All: -165.336+/-43.458 χ^2/NDF: 145.7/102

- sign -94.766+/-61.741 χ^2/NDF: 53.6/52

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

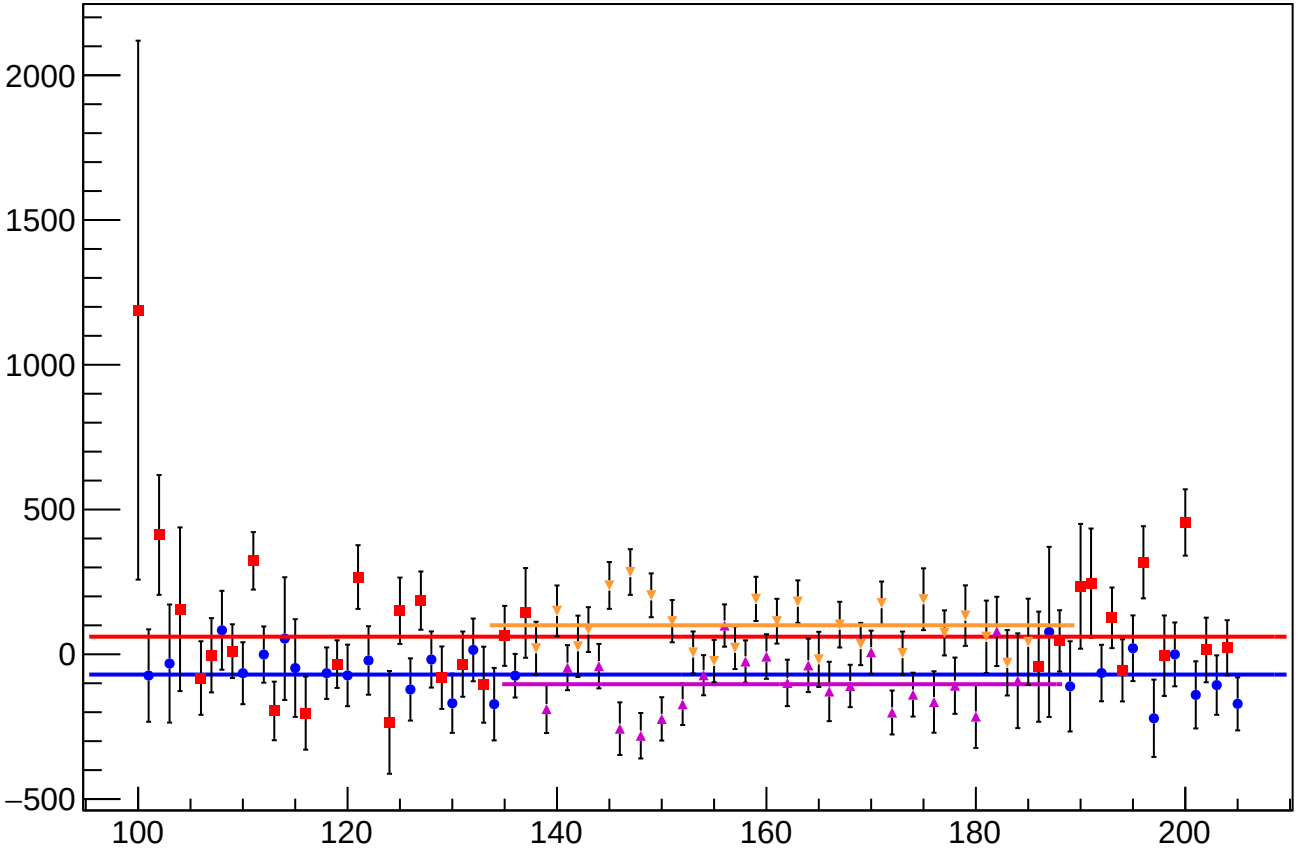
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 325.643+/-0.043 χ^2/NDF: 9775602.1/49

All: 324.810+/-0.031 χ^2/NDF: 21535605.5/10

- sign 323.962+/-0.044 χ^2/NDF: 11759255.7/52

dit_asym_sam7_mean vs Slug



Right In: -69.975+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 60.902+/-22.035 χ^2/NDF: 58.2/29

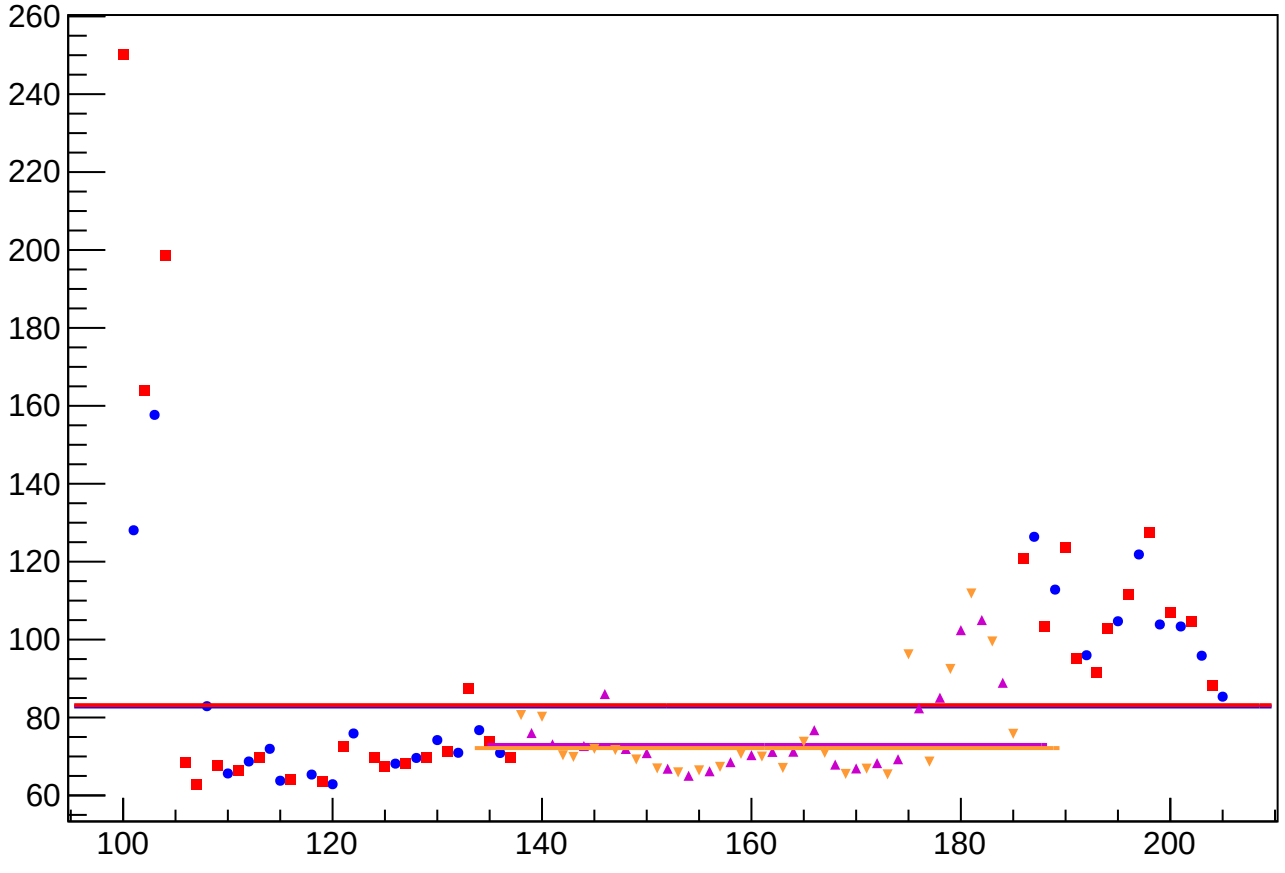
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 41.063+/-13.426 χ^2/NDF: 73.6/49

All: 0.573+/-9.550 χ^2/NDF: 217.4/102

- sign -40.899+/-13.588 χ^2/NDF: 125.4/52

dit_asym_sam7_rms vs Slug



Right In: 82.829+/-0.016 χ^2/NDF: 1445436.6/24

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071212.6/29

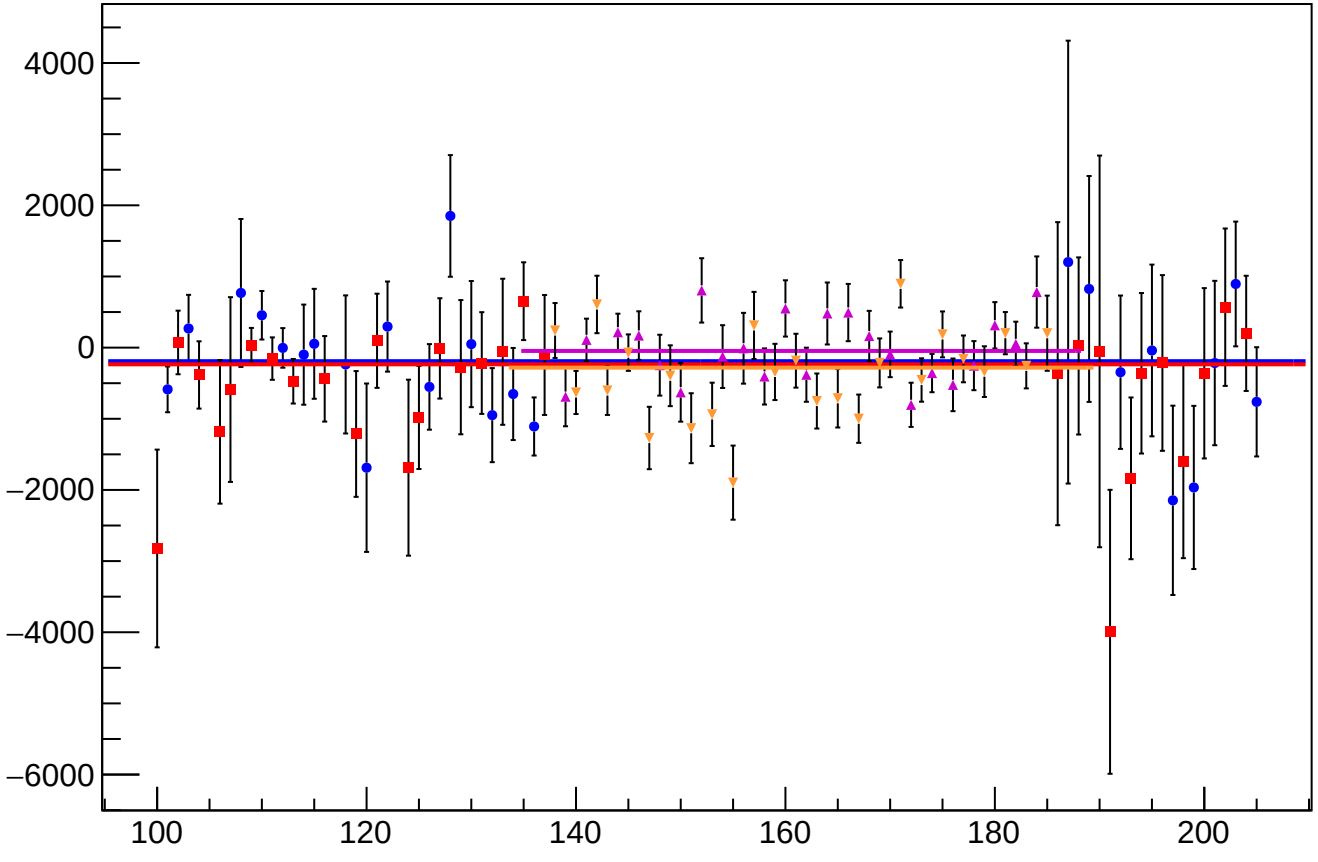
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.864+/-0.009 χ^2/NDF: 2374458.5/49

All: 76.342+/-0.007 χ^2/NDF: 5226100.0/102

- sign 76.832+/-0.010 χ^2/NDF: 2846508.4/52

asym_sam7_dit_correction_mean vs Slug



Right In: -190.506+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -234.599+/-114.445 χ^2/NDF: 21.1/29

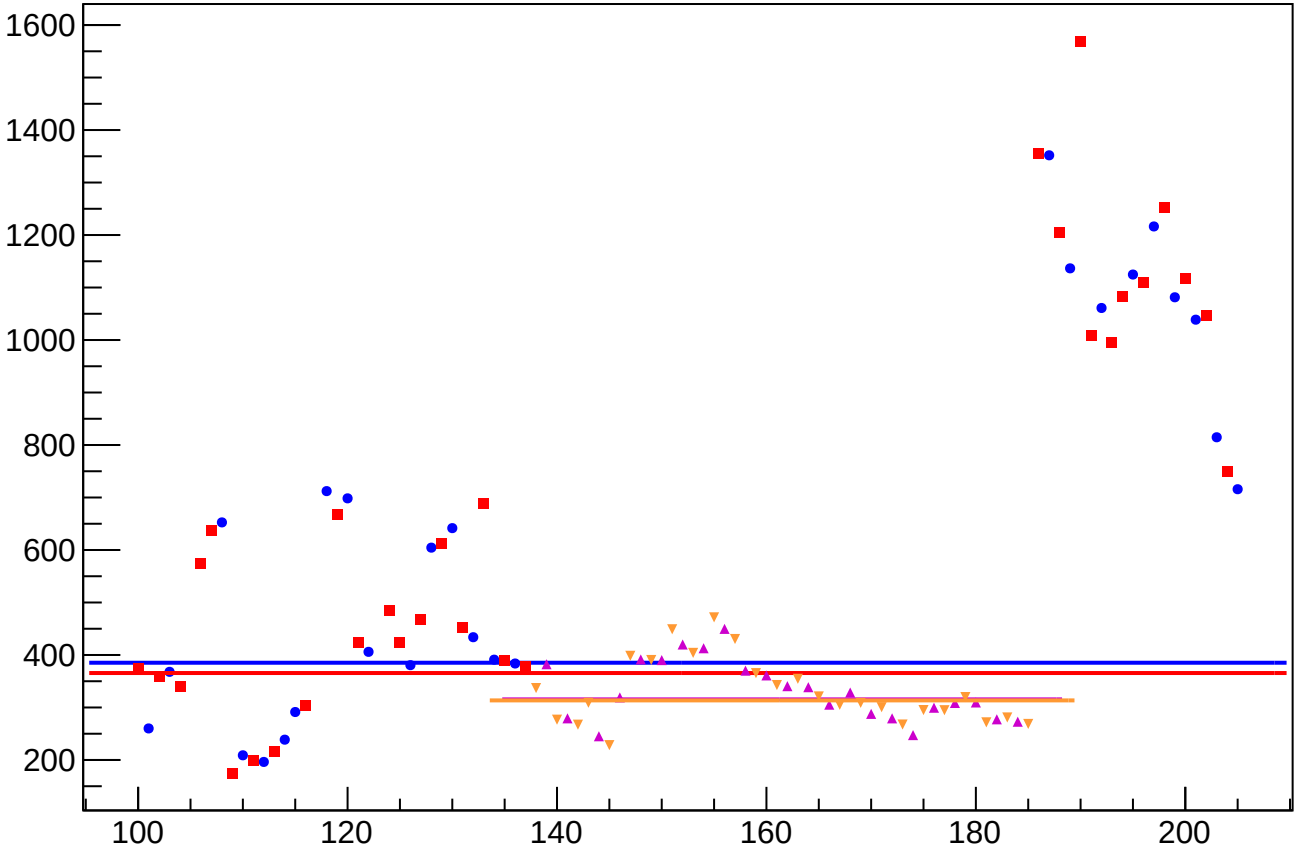
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -257.371+/-62.282 χ^2/NDF: 87.2/49

All: -180.640+/-44.177 χ^2/NDF: 144.0/102

- sign -102.952+/-62.670 χ^2/NDF: 53.7/52

asym_sam7_dit_correction_rms vs Slug



Right In: 385.243+/-0.086 χ^2/NDF: 7877395.3/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

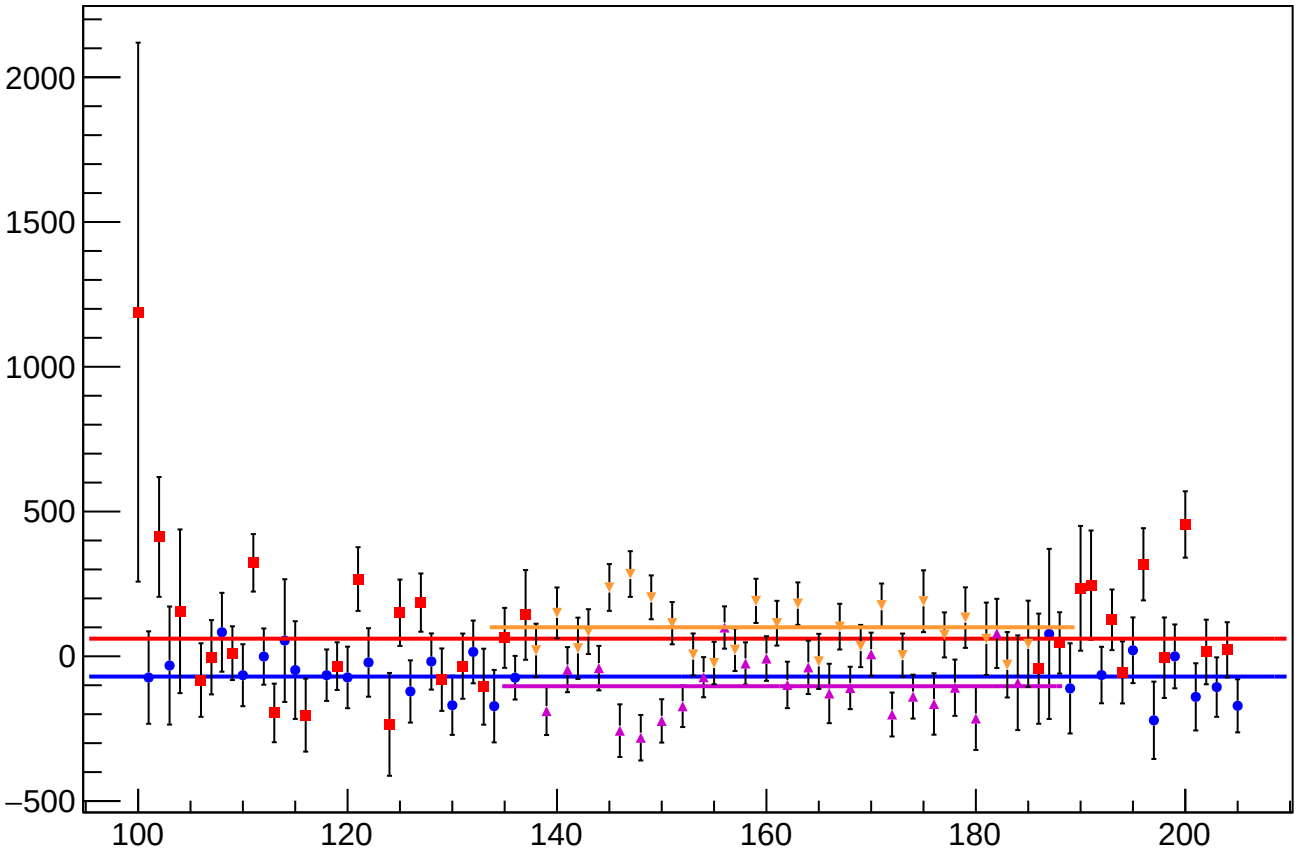
Right Out: 365.631+/-0.081 χ^2/NDF: 10119952.7/29

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 332.352+/-0.044 χ^2/NDF: 9567017.8/49

All: 331.432+/-0.031 χ^2/NDF: 20965529.9/10

- sign 330.501+/-0.044 χ^2/NDF: 11397634.0/52



Right In: -69.974+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 60.902+/-22.035 χ^2/NDF: 58.2/29

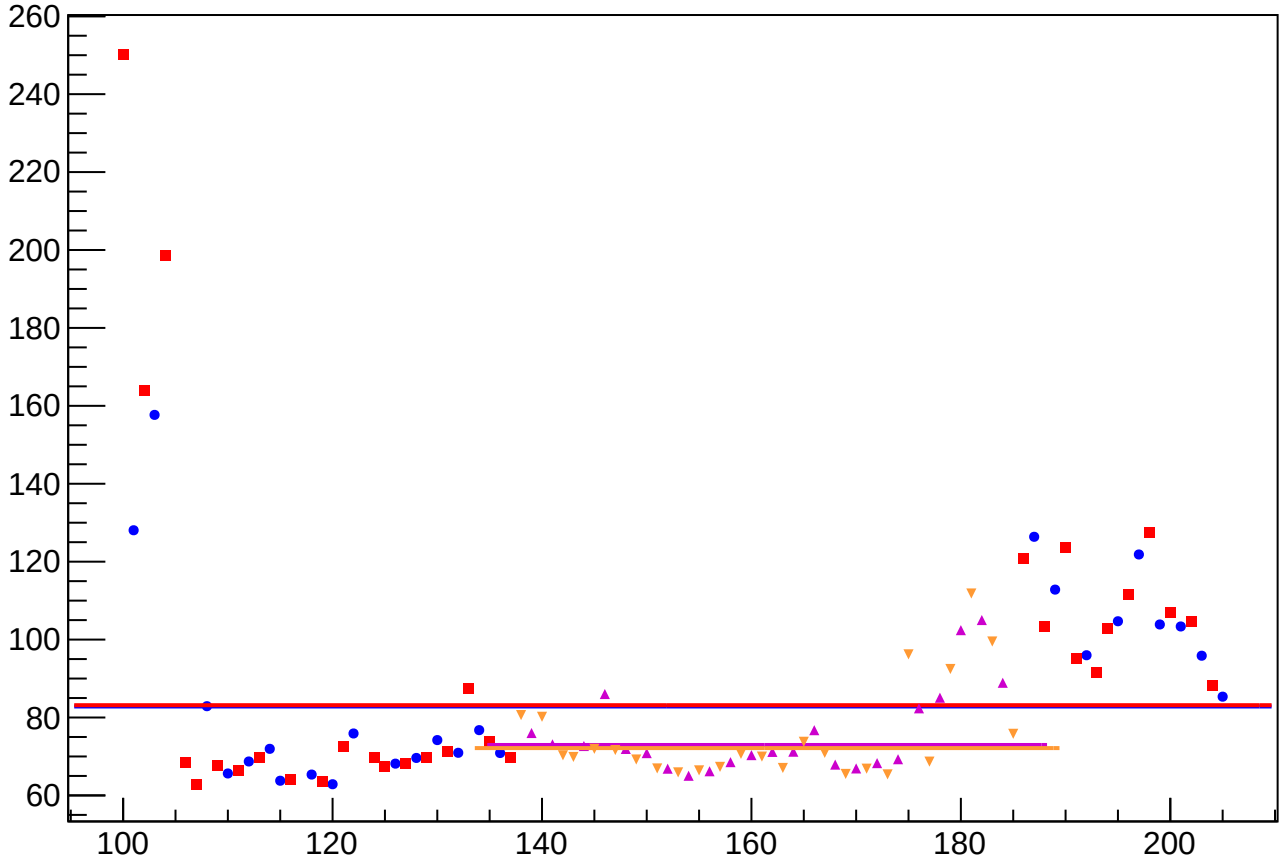
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 41.063+/-13.426 χ^2/NDF: 73.6/49

All: 0.573+/-9.550 χ^2/NDF: 217.4/102

- sign -40.899+/-13.588 χ^2/NDF: 125.4/52

eigen_dit_asym_sam7_rms vs Slug



Right In: 82.829+/-0.016 χ^2/NDF: 1445444.9/24

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071214.5/29

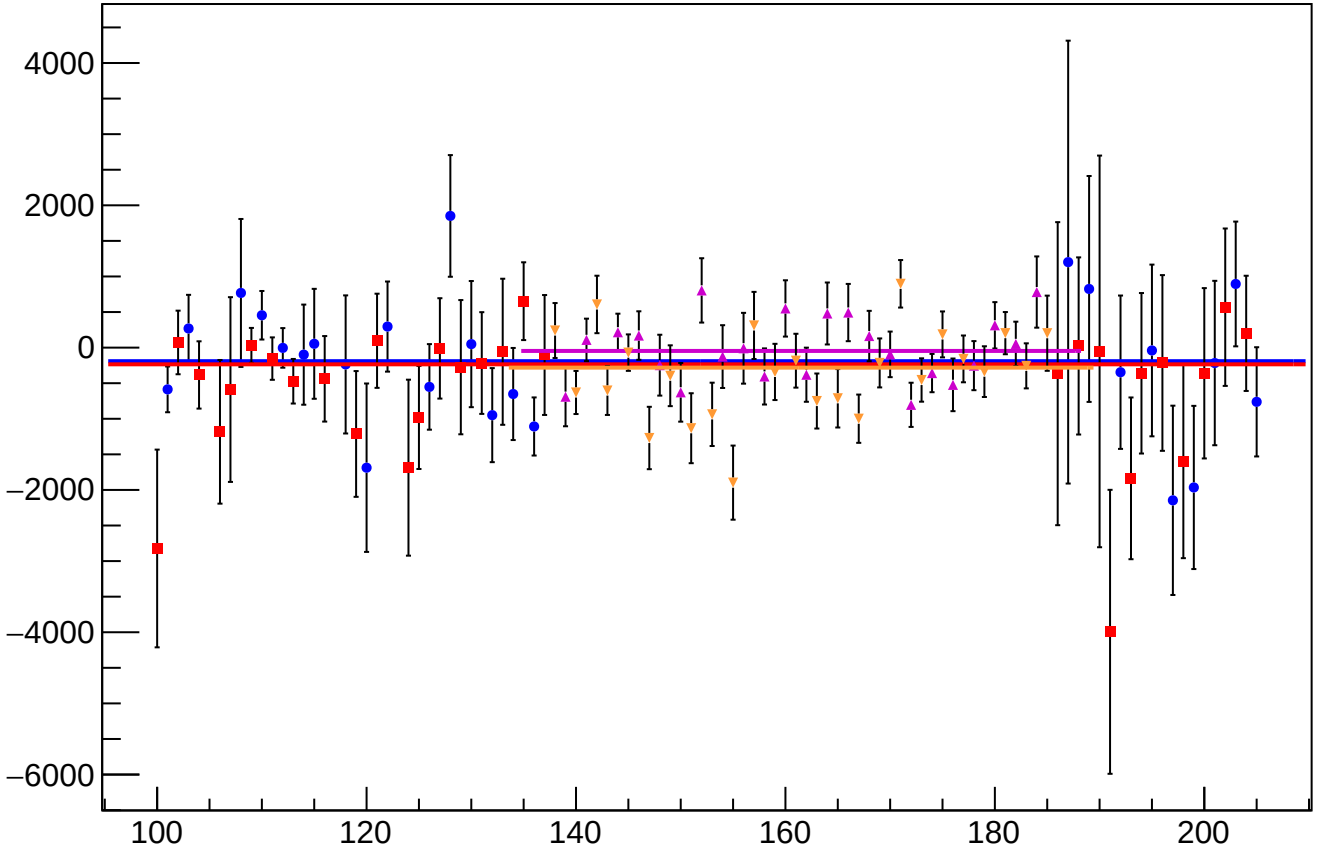
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.864+/-0.009 χ^2/NDF: 2374457.8/49

All: 76.342+/-0.007 χ^2/NDF: 5226095.1/102

- sign 76.832+/-0.010 χ^2/NDF: 2846504.2/52

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -190.504+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -234.598+/-114.445 χ^2/NDF: 21.1/29

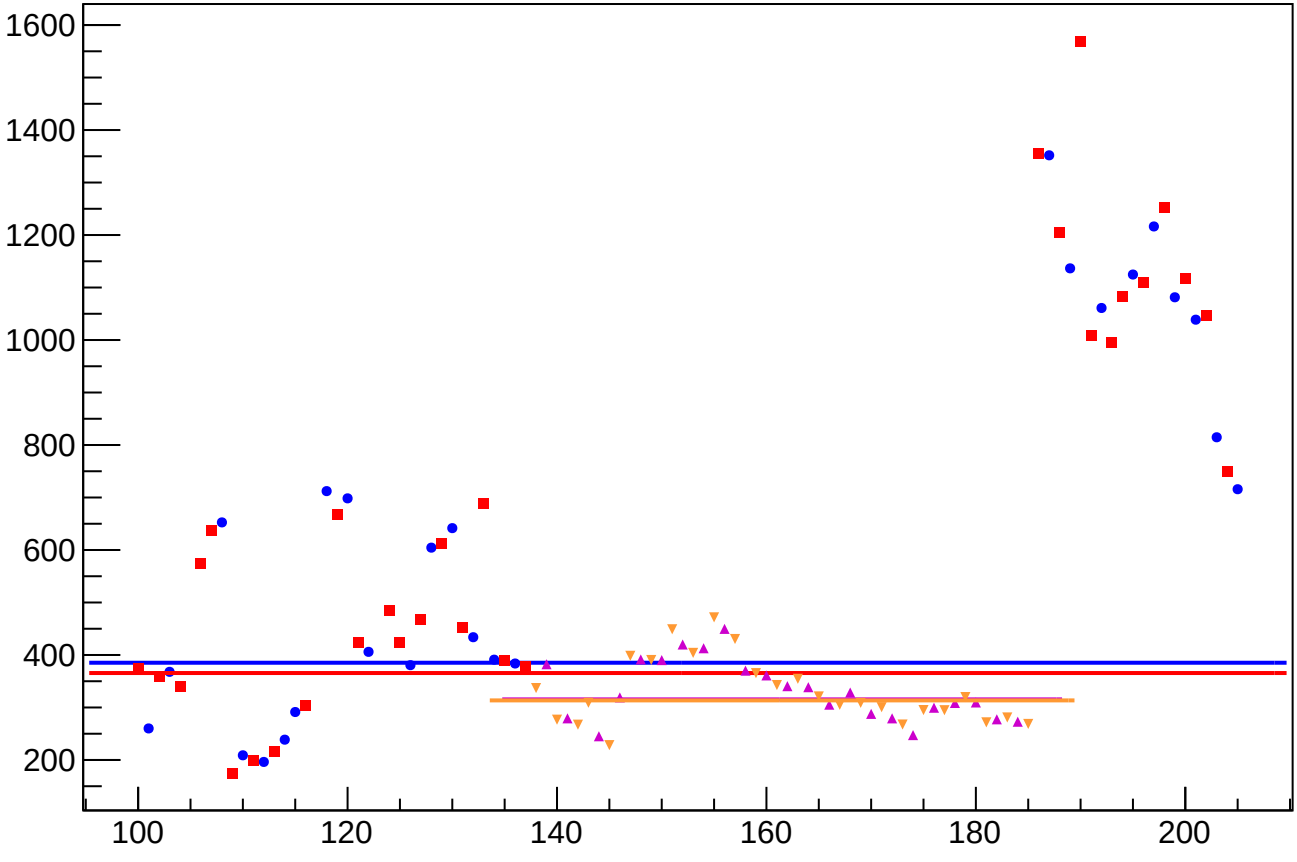
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -257.371+/-62.282 χ^2/NDF: 87.2/49

All: -180.640+/-44.176 χ^2/NDF: 144.0/102

- sign -102.952+/-62.670 χ^2/NDF: 53.7/52

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 385.240+/-0.086 χ^2/NDF: 7877471.5/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 365.629+/-0.081 χ^2/NDF: 10119994.3/29

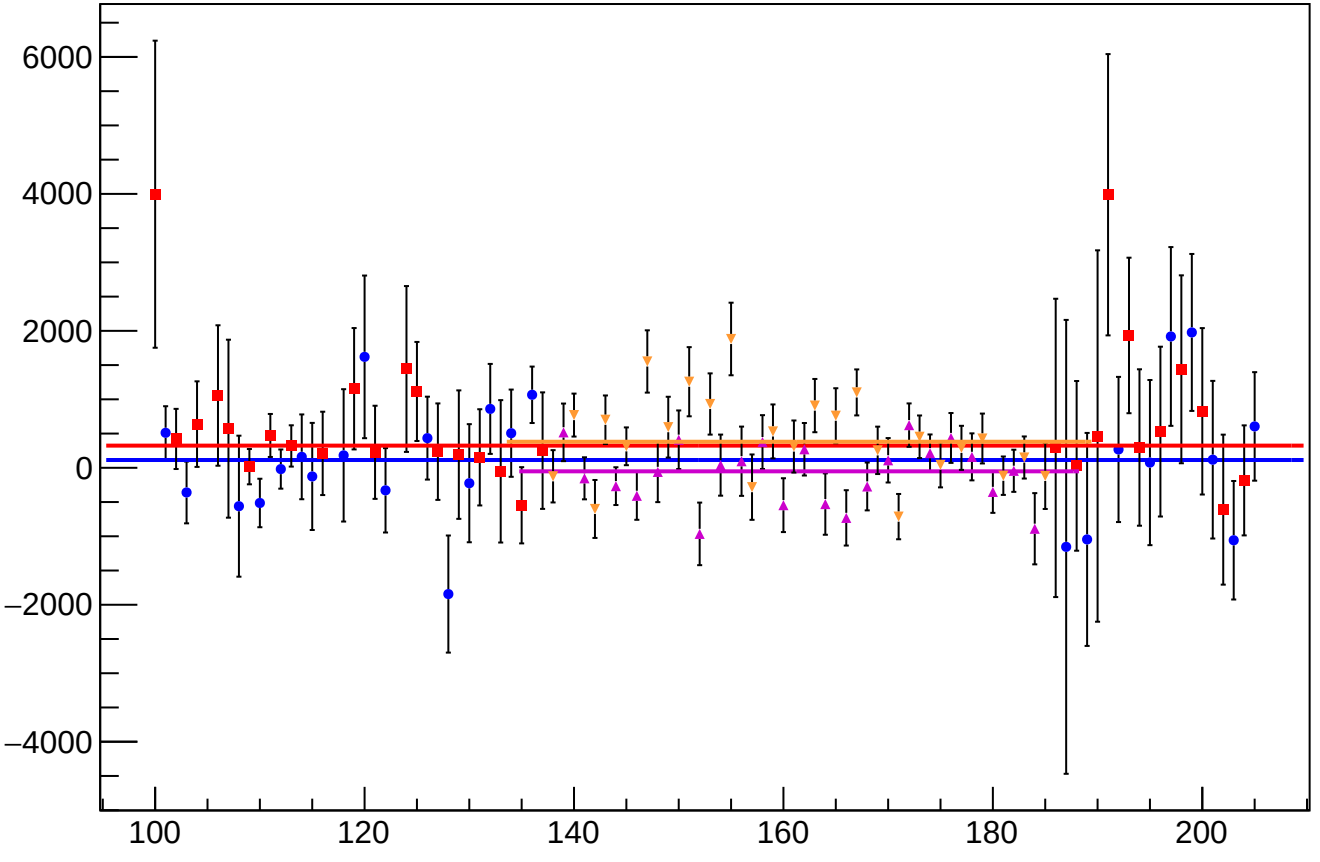
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 332.352+/-0.044 χ^2/NDF: 9567060.8/49

All: 331.432+/-0.031 χ^2/NDF: 20965591.4/10

- sign 330.501+/-0.044 χ^2/NDF: 11397652.7/52

asym_sam7_mean vs Slug



Right In: 113.911+/-124.449 χ^2/NDF: 28.3/24

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 323.969+/-117.734 χ^2/NDF: 18.1/29

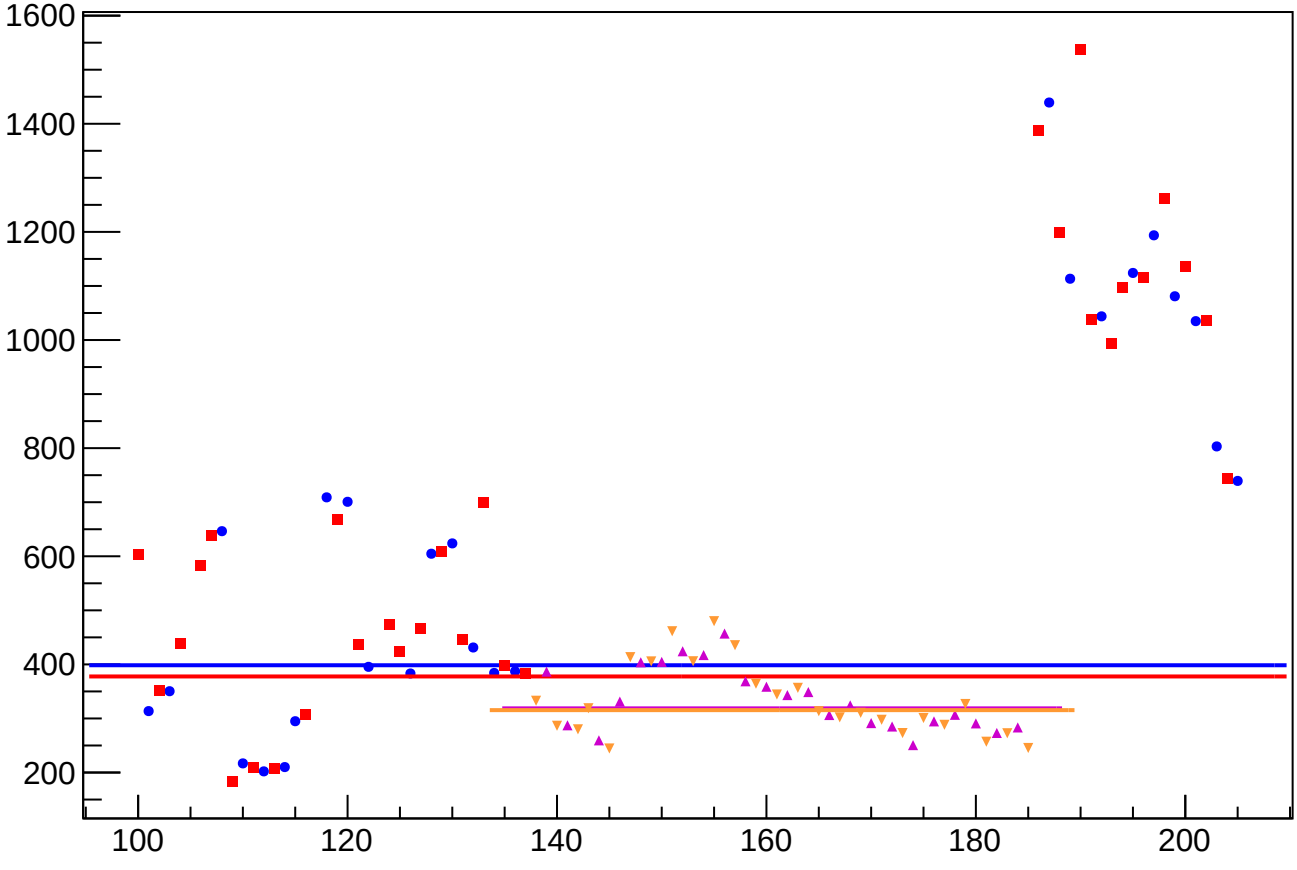
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 312.267+/-63.003 χ^2/NDF: 87.2/49

All: 186.493+/-44.770 χ^2/NDF: 148.7/102

- sign 58.195+/-63.632 χ^2/NDF: 53.5/52

asym_sam7_rms vs Slug



Right In: 398.431+/-0.088 χ^2/NDF: 7476369.7/24

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 377.699+/-0.083 χ^2/NDF: 9915252.5/29

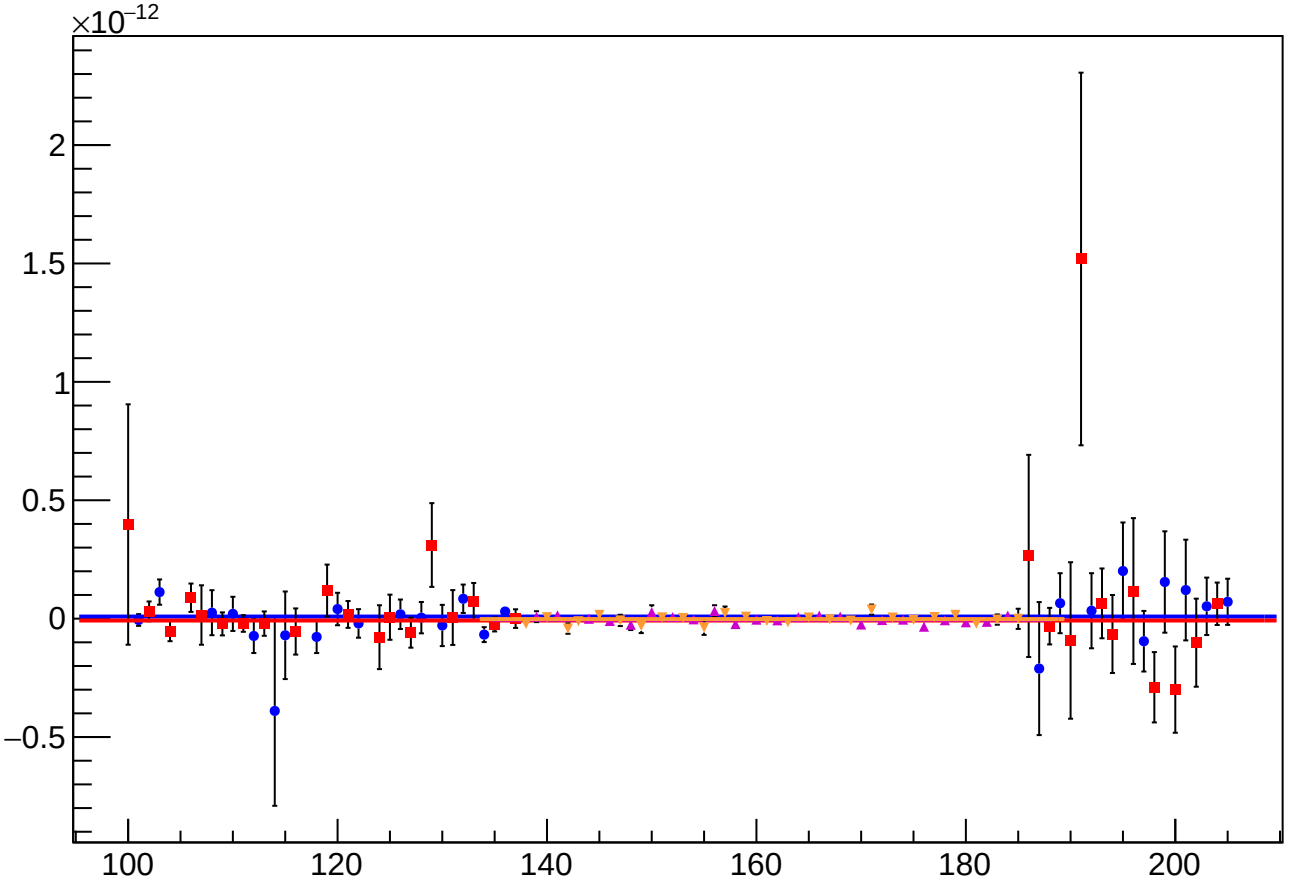
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 336.677+/-0.045 χ^2/NDF: 9348656.8/49

All: 336.305+/-0.032 χ^2/NDF: 20611331.7/10

- sign 335.926+/-0.045 χ^2/NDF: 11262534.1/52

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/29

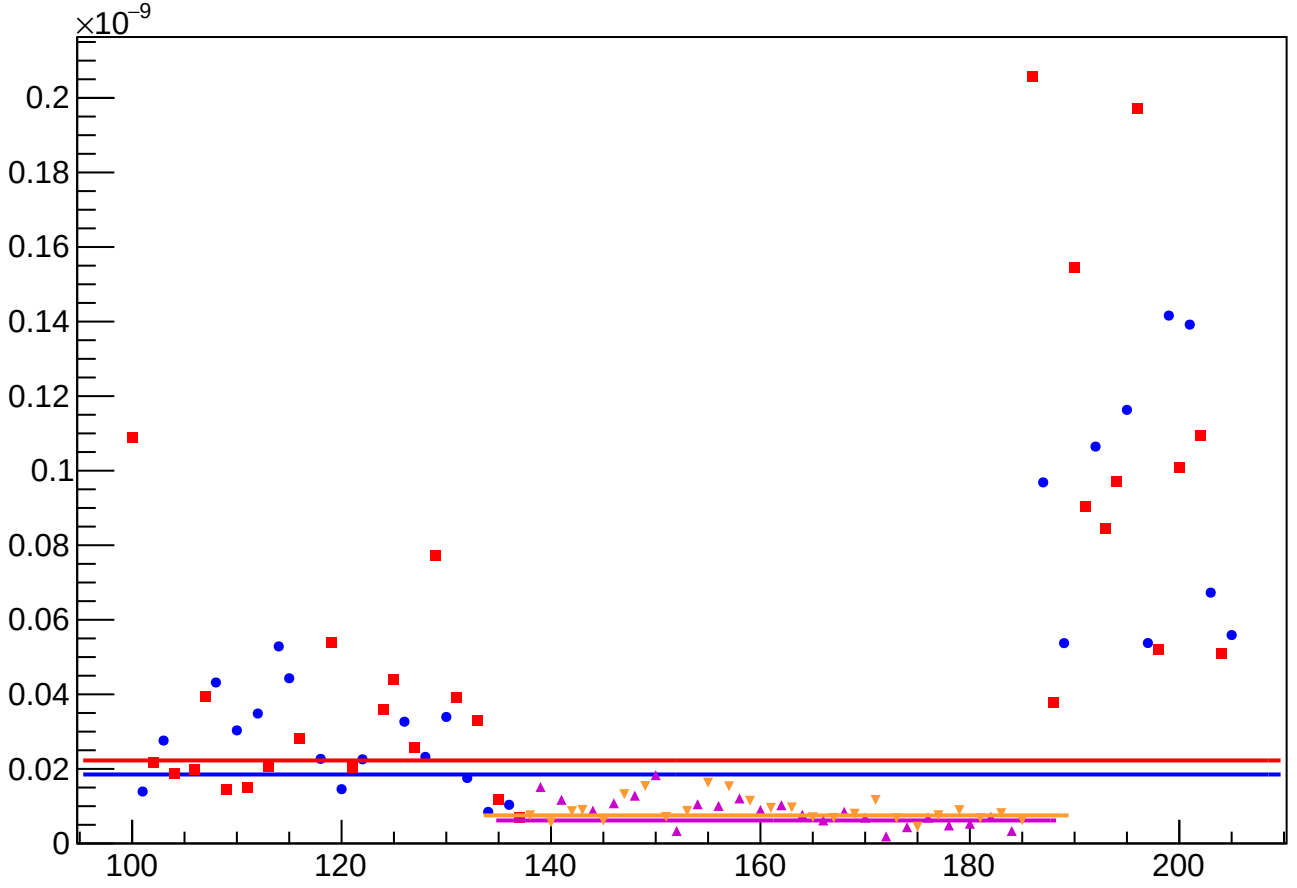
Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/49

All: -0.000+/-0.000 χ^2/NDF: 84.6/102

- sign -0.000+/-0.000 χ^2/NDF: 42.5/52

asym_sam7_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4757091.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4686936.7/29

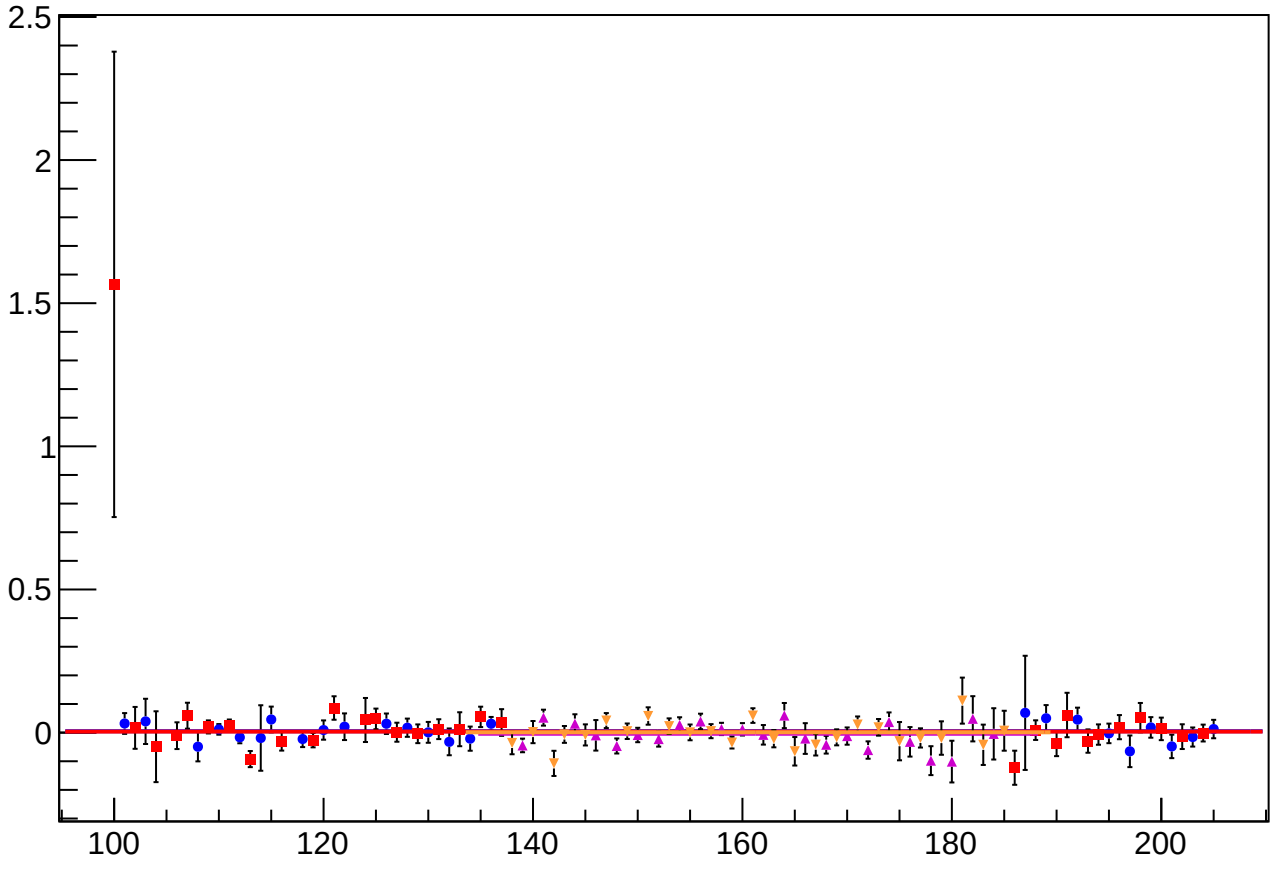
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7897540.8/49

All: 0.000+/-0.000 χ^2/NDF: 18793810.8/102

- sign 0.000+/-0.000 χ^2/NDF: 10689648.8/52

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

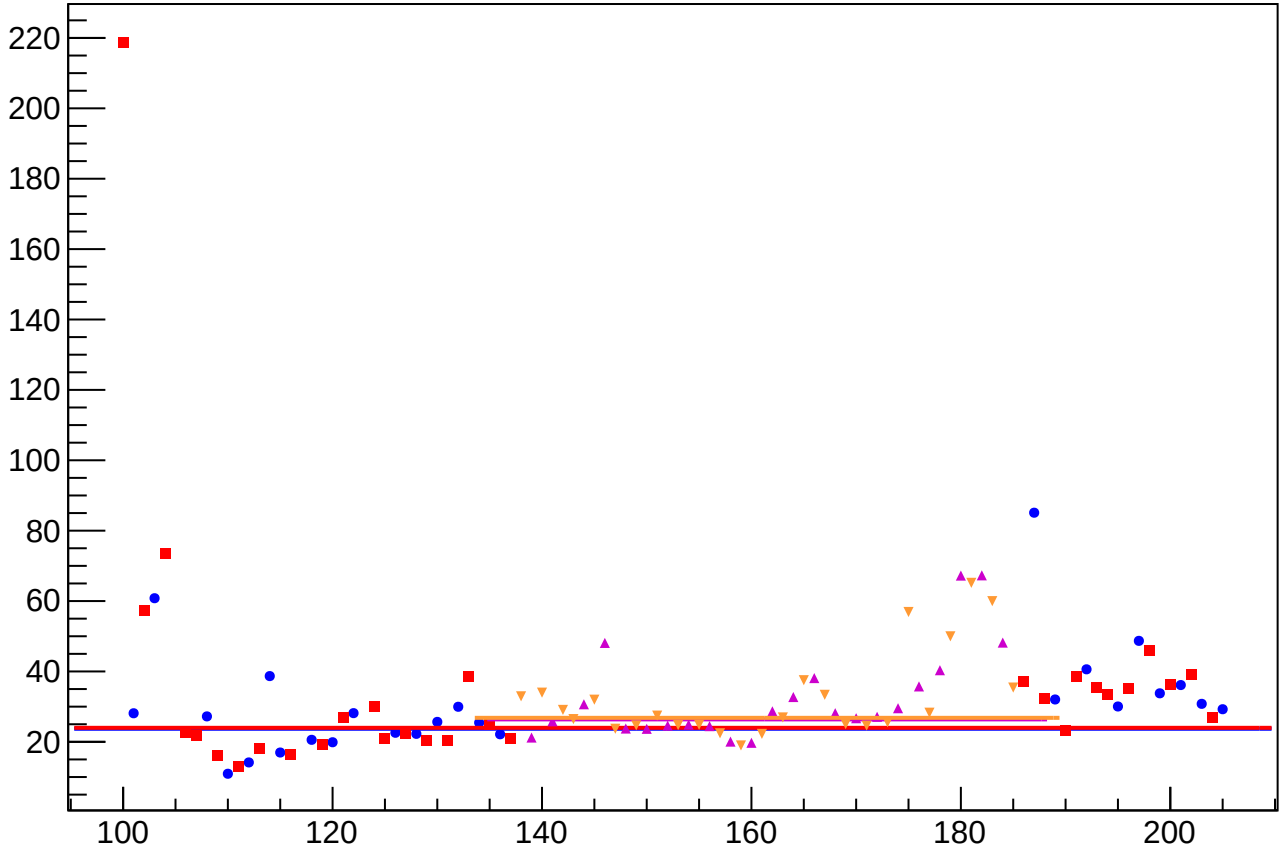
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.001+/-0.003 χ^2/NDF: 114.3/102

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

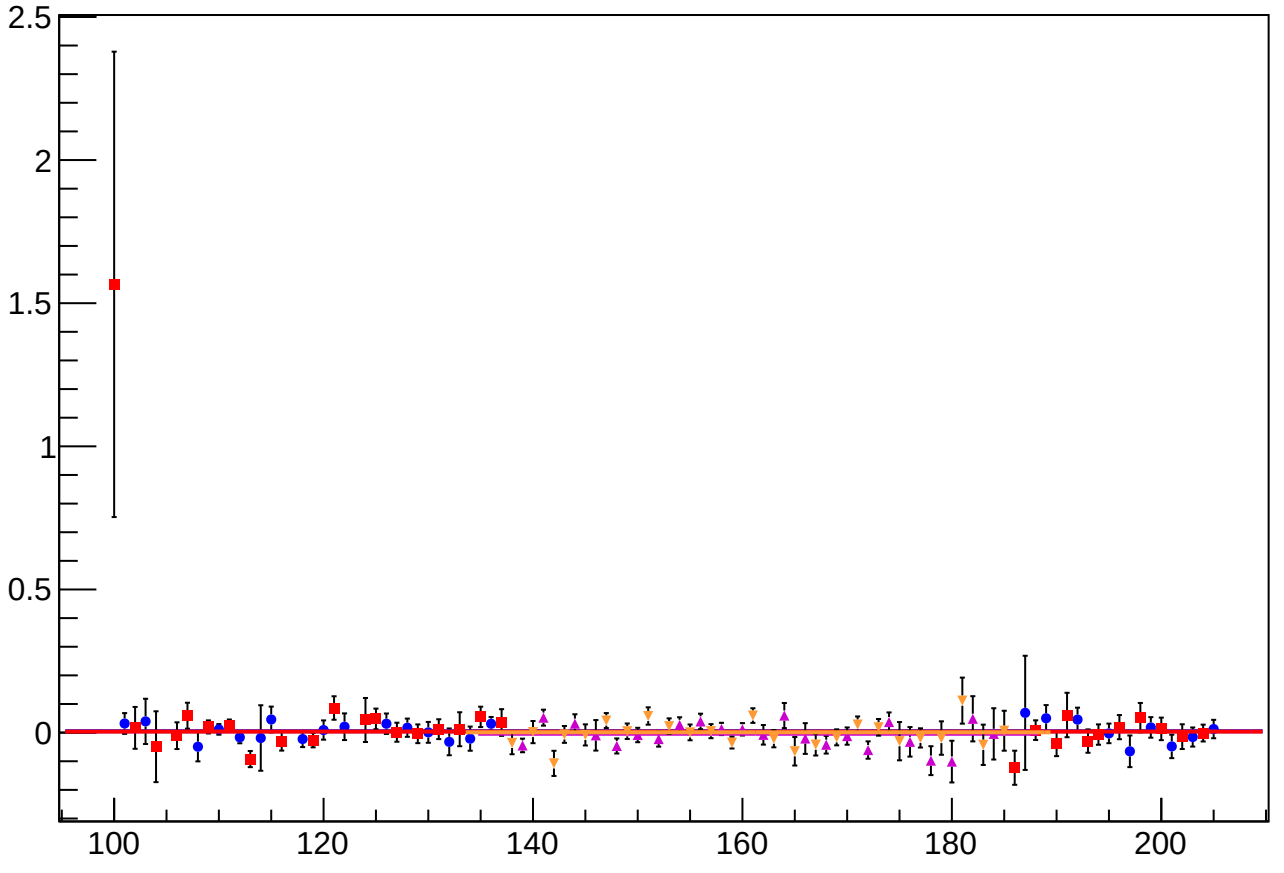
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286899.2/49

All: 25.296+/-0.002 χ^2/NDF: 12752748.9/102

- sign 25.211+/-0.003 χ^2/NDF: 6464551.1/52

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

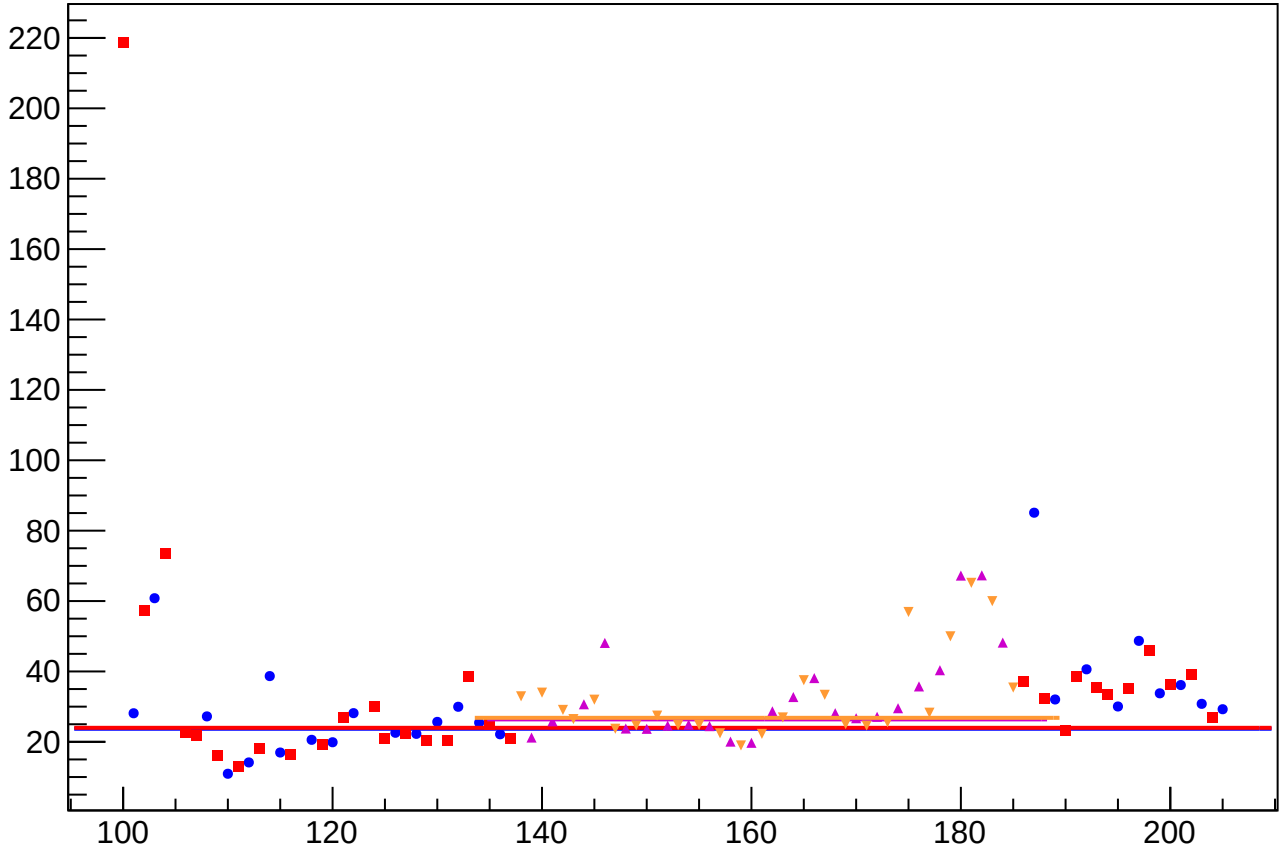
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.001+/-0.003 χ^2/NDF: 114.3/102

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

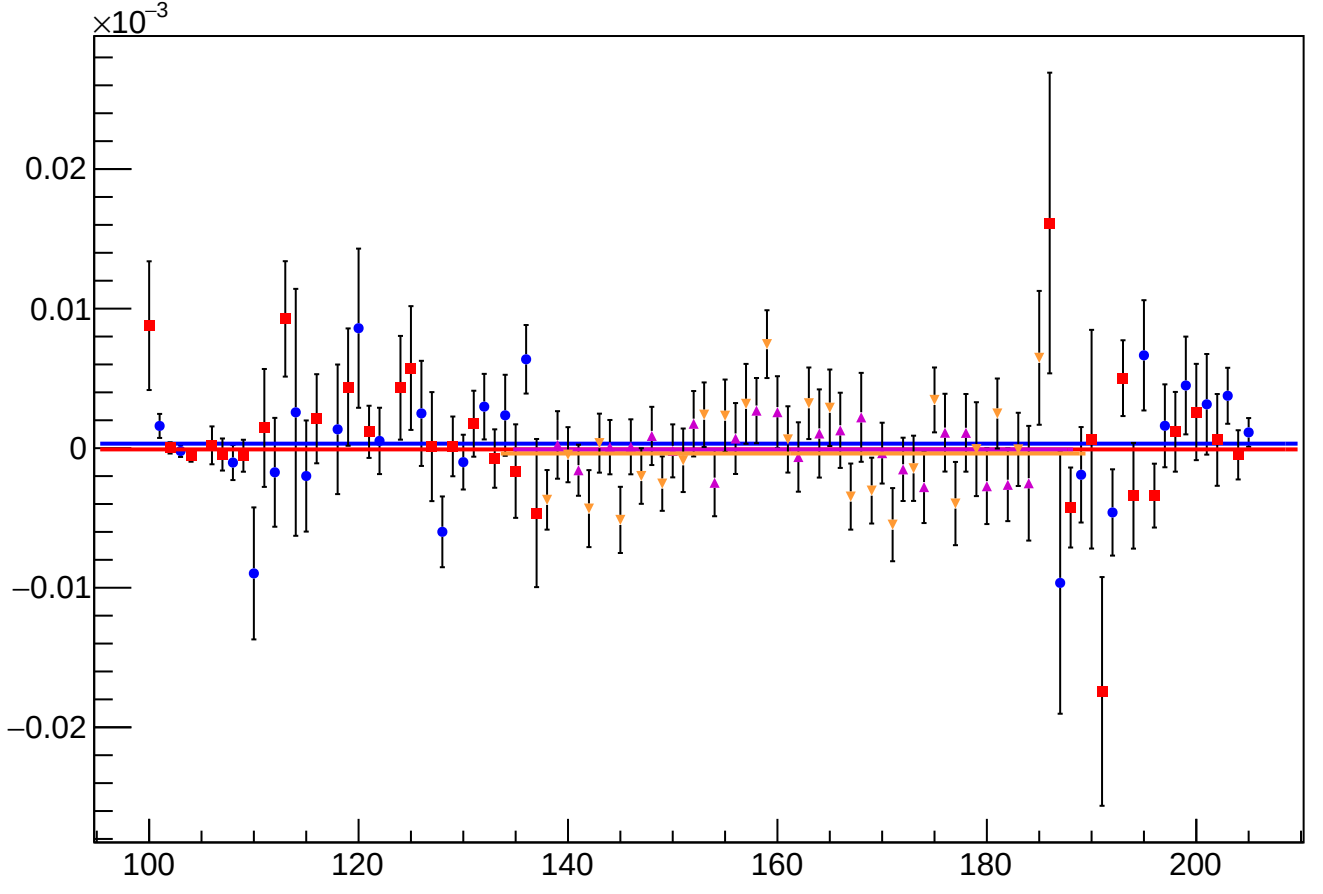
Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286899.2/49

All: 25.296+/-0.002 χ^2/NDF: 12752748.9/102

- sign 25.211+/-0.003 χ^2/NDF: 6464551.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.3/29

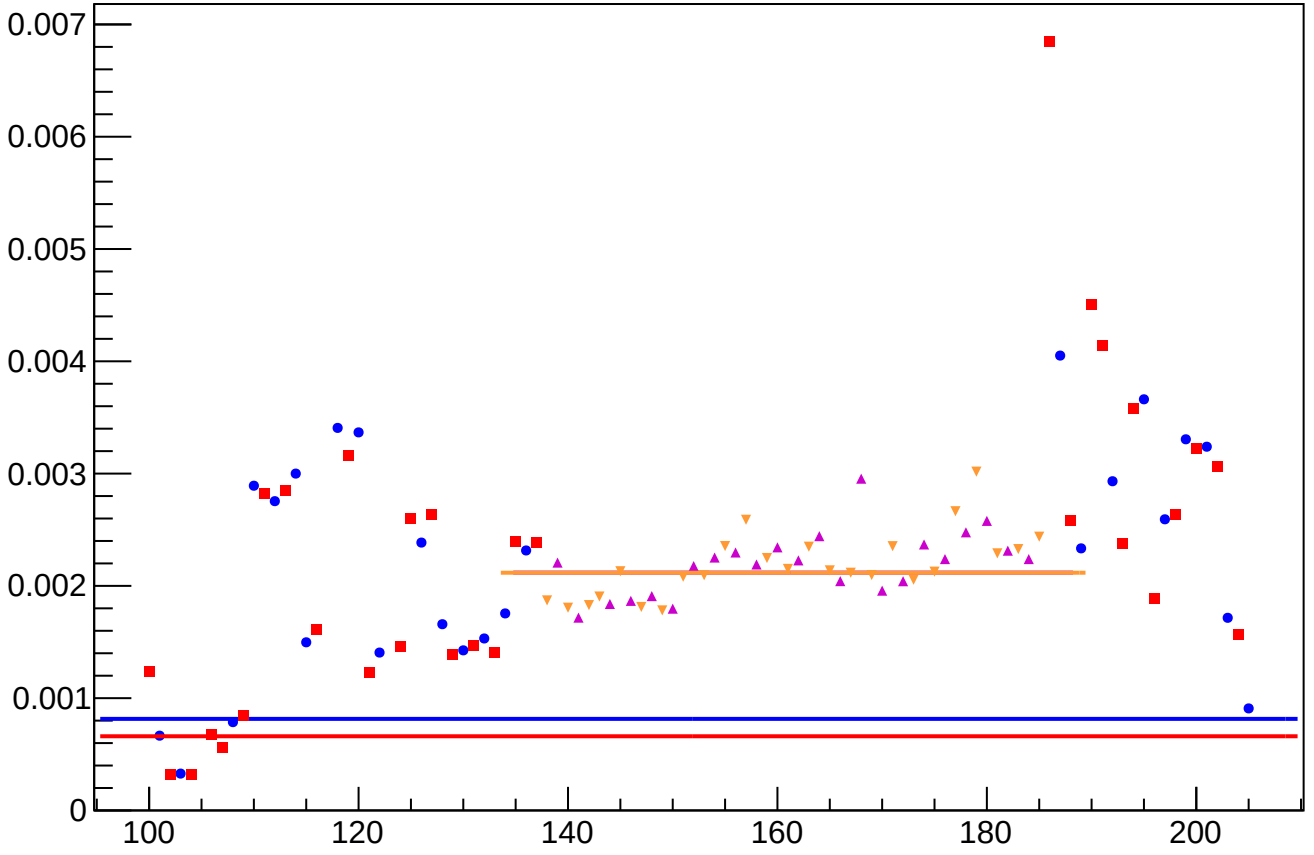
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.5/49

All: 0.000+/-0.000 χ^2/NDF: 127.3/102

- sign -0.000+/-0.000 χ^2/NDF: 43.4/52

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12497031.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15858658.5/29

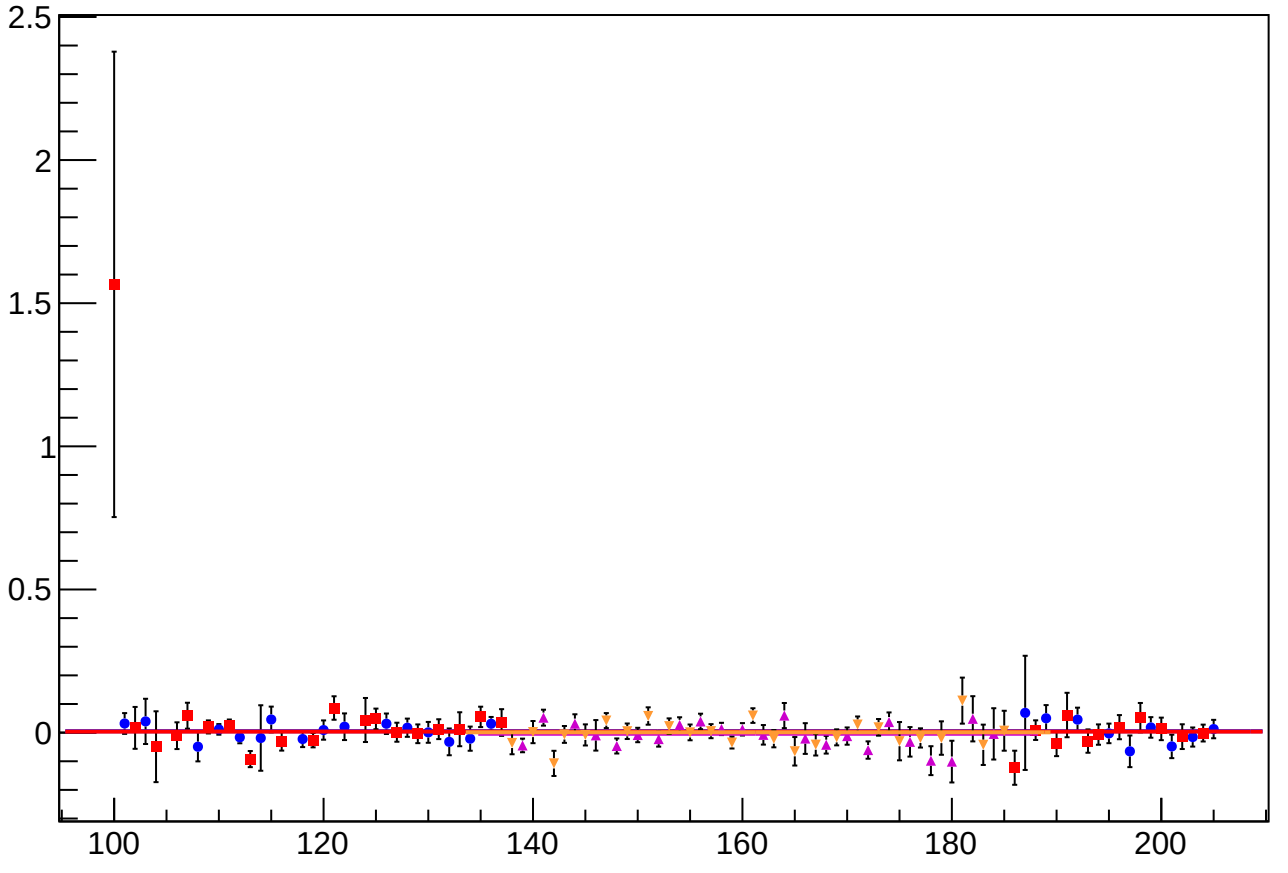
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23350156.3/49

All: 0.001+/-0.000 χ^2/NDF: 54282326.2/102

- sign 0.001+/-0.000 χ^2/NDF: 30023949.8/52

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

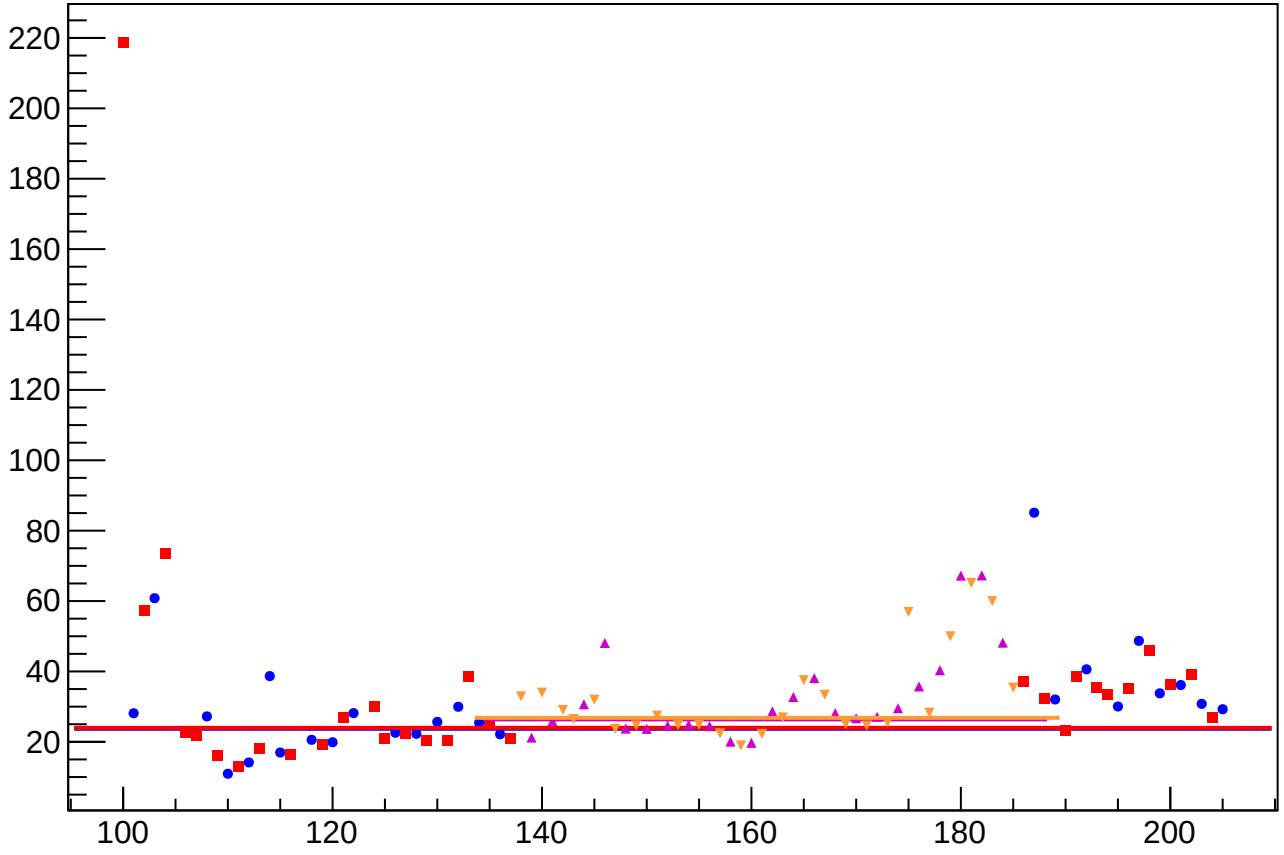
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.001+/-0.003 χ^2/NDF: 114.3/102

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

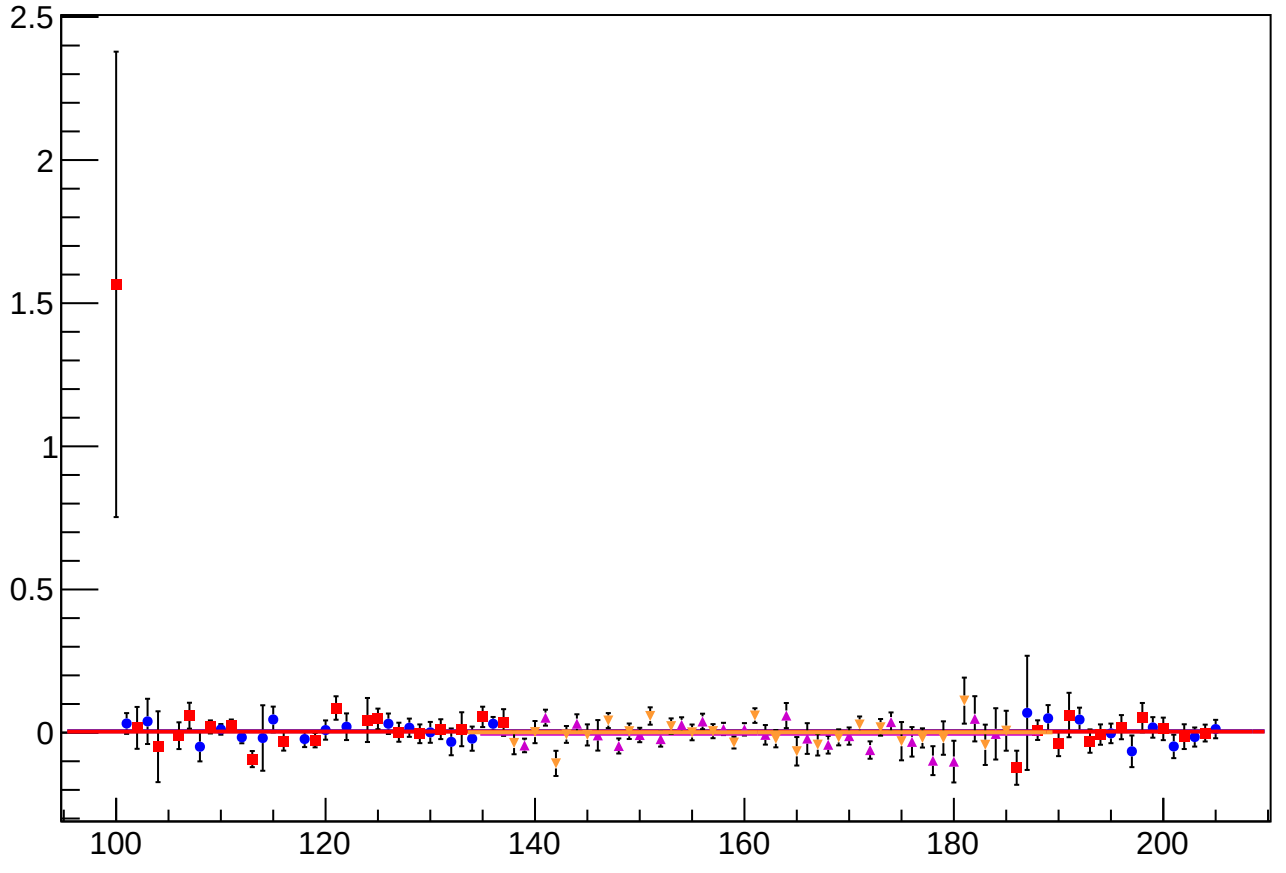
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286606.0/49

All: 25.296+/-0.002 χ^2/NDF: 12752302.9/102

- sign 25.211+/-0.003 χ^2/NDF: 6464395.1/52

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.1/29

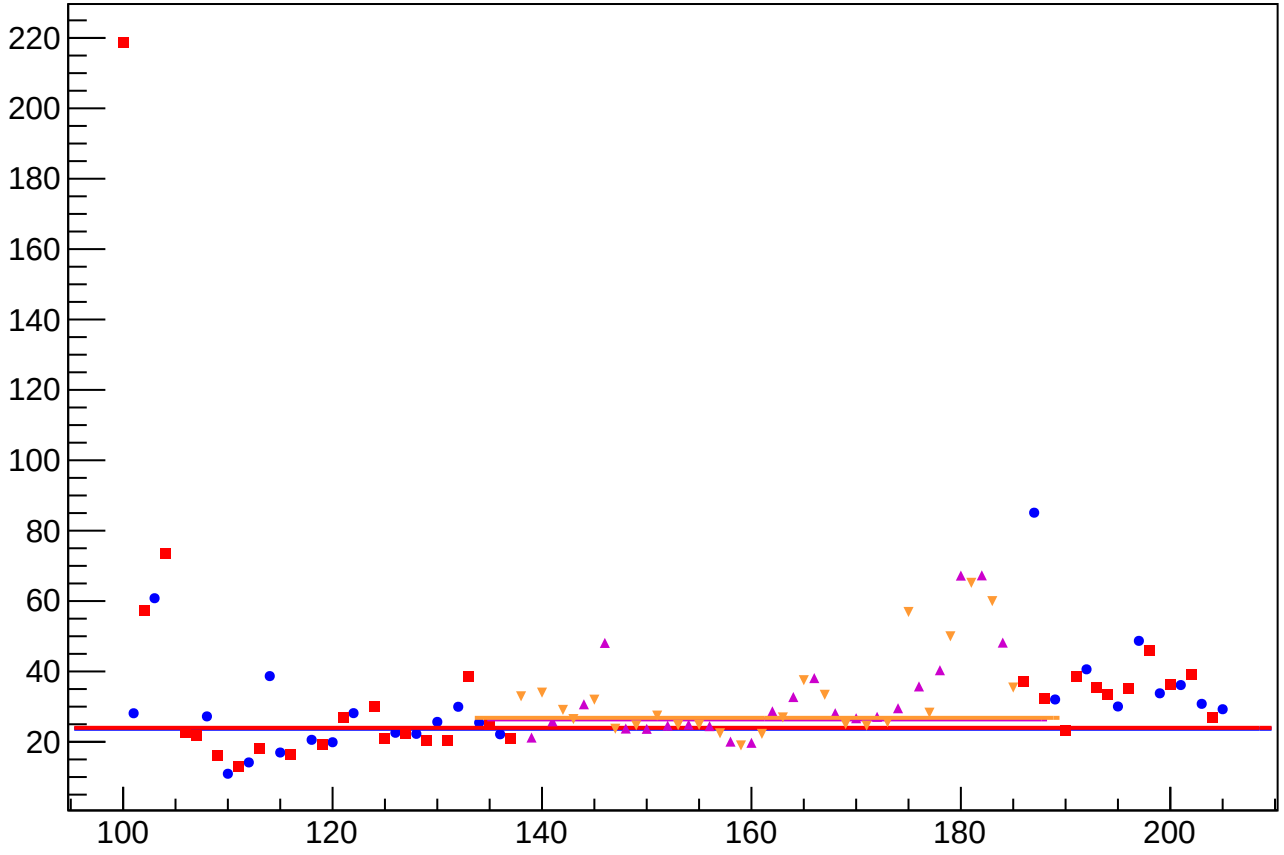
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.001+/-0.003 χ^2/NDF: 114.3/102

- sign -0.000+/-0.005 χ^2/NDF: 69.9/52

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

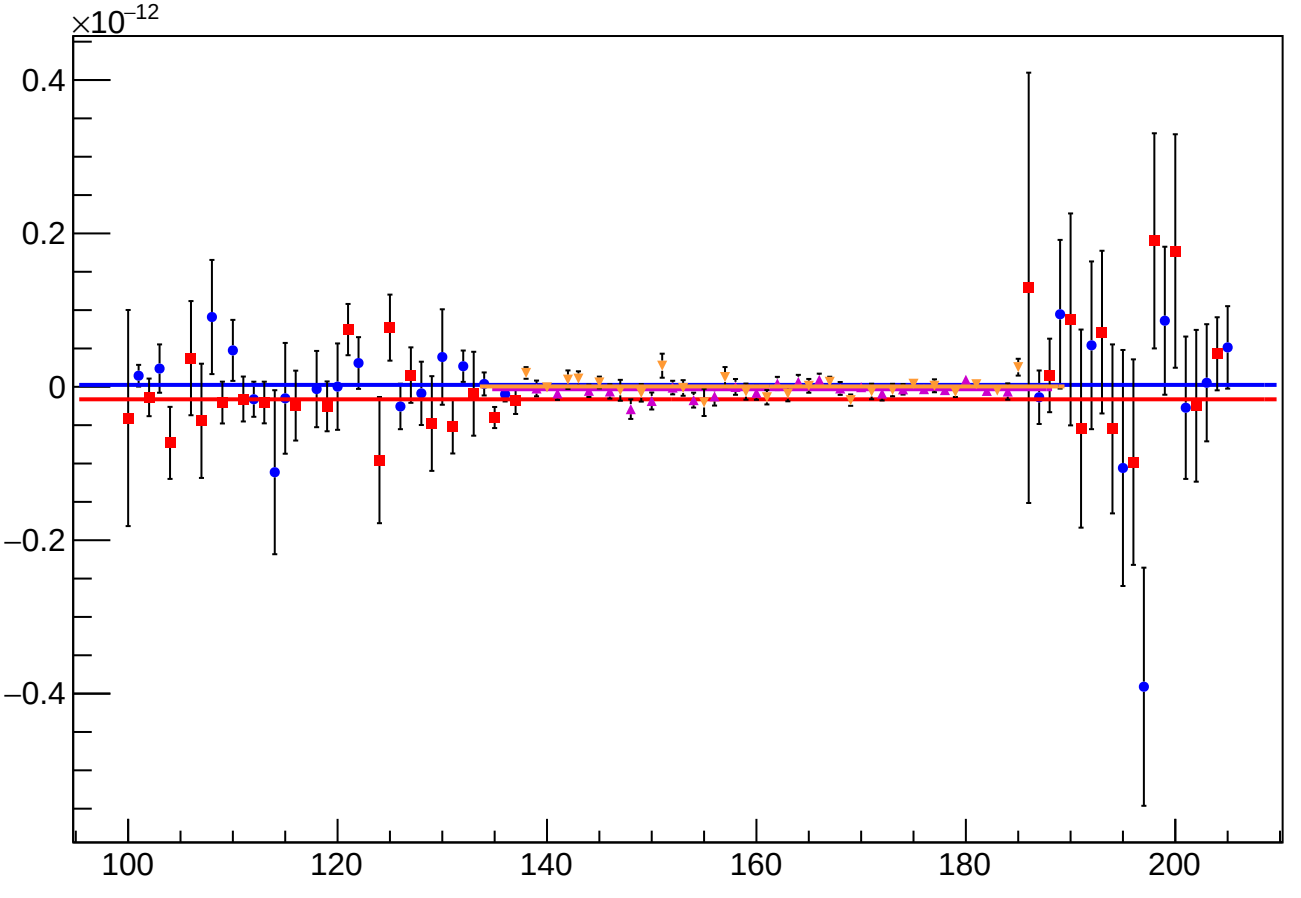
Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286606.0/49

All: 25.296+/-0.002 χ^2/NDF: 12752302.9/102

- sign 25.211+/-0.003 χ^2/NDF: 6464395.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/29

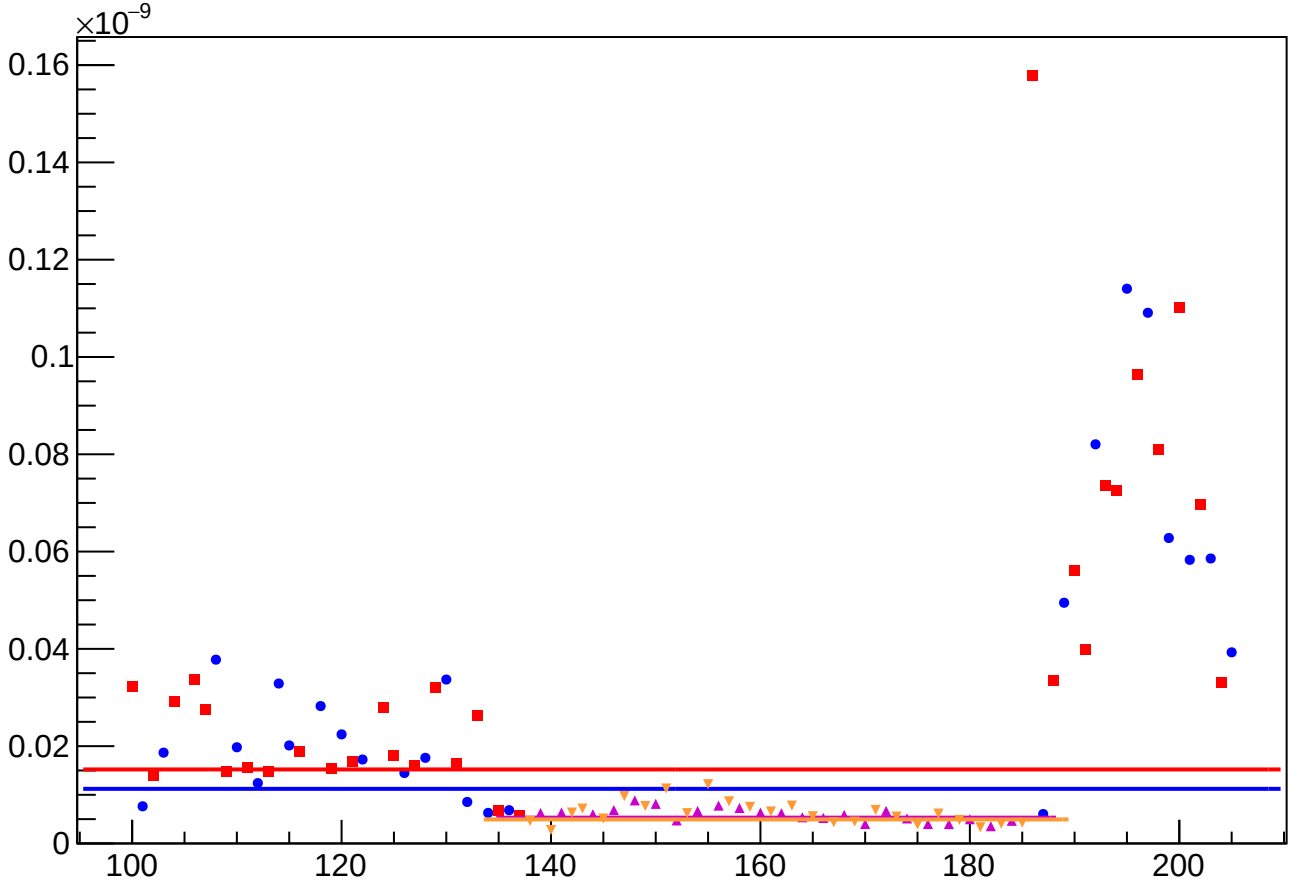
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/49

All: -0.000+/-0.000 χ^2/NDF: 108.6/102

- sign -0.000+/-0.000 χ^2/NDF: 50.9/52

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7379678.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7082169.3/29

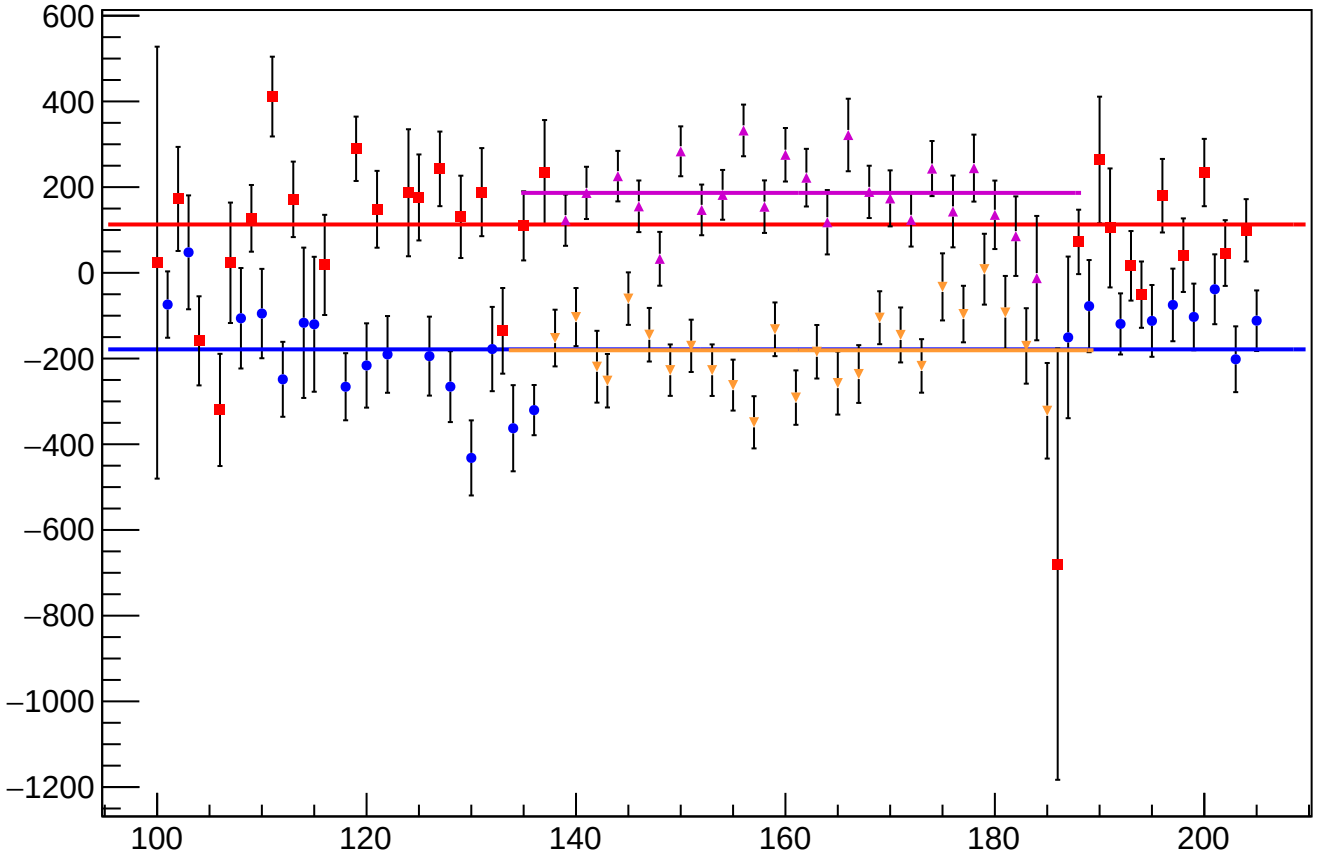
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12502794.1/49

All: 0.000+/-0.000 χ^2/NDF: 24903265.5/102

- sign 0.000+/-0.000 χ^2/NDF: 12314953.4/52

reg_asym_sam8_mean vs Slug



Right In: -178.578+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 112.848+/-17.543 χ^2/NDF: 60.3/29

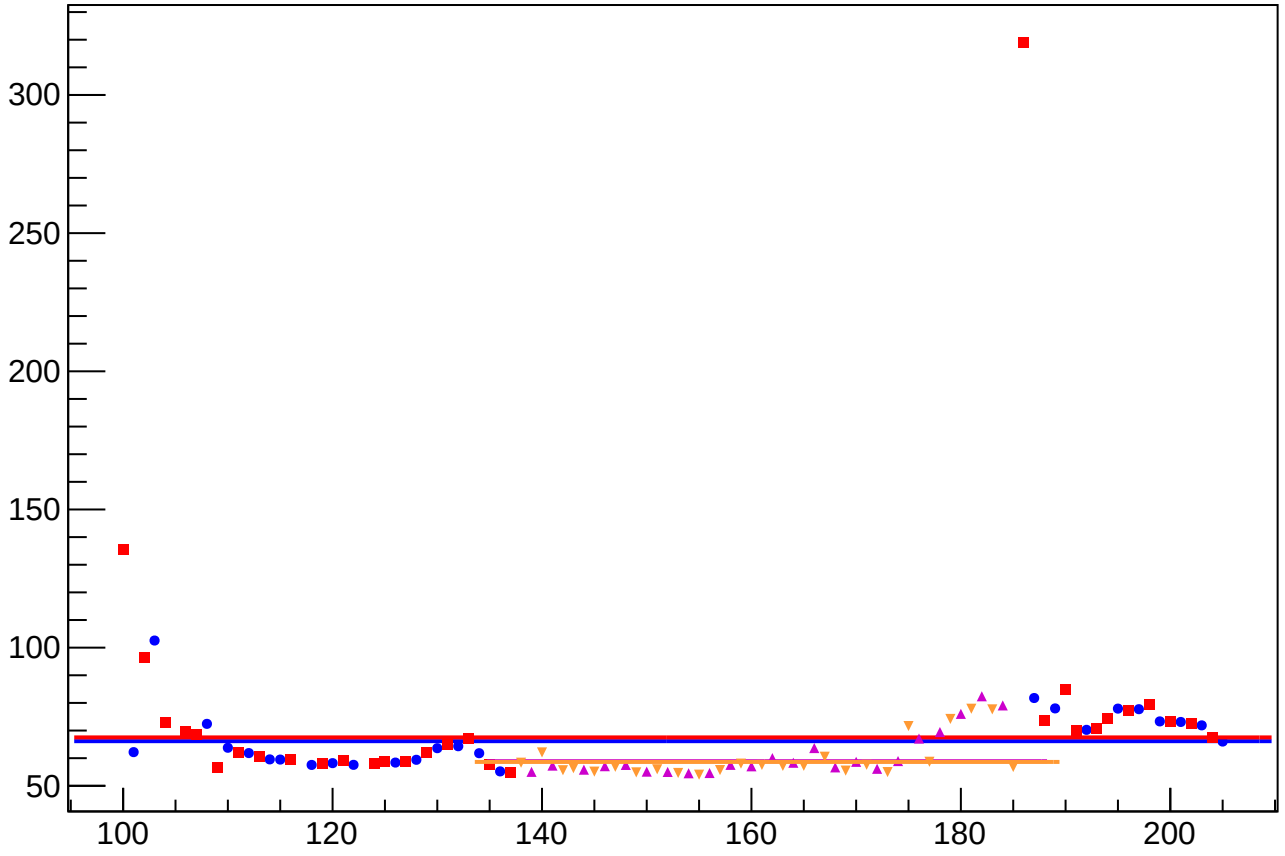
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -179.923+/-10.719 χ^2/NDF: 74.0/49

All: -13.287+/-7.634 χ^2/NDF: 664.6/102

- sign 158.235+/-10.875 χ^2/NDF: 100.2/52

reg_asym_sam8_rms vs Slug



Right In: 66.154+/-0.013 χ^2/NDF: 496353.4/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.517+/-0.012 χ^2/NDF: 1018375.6/29

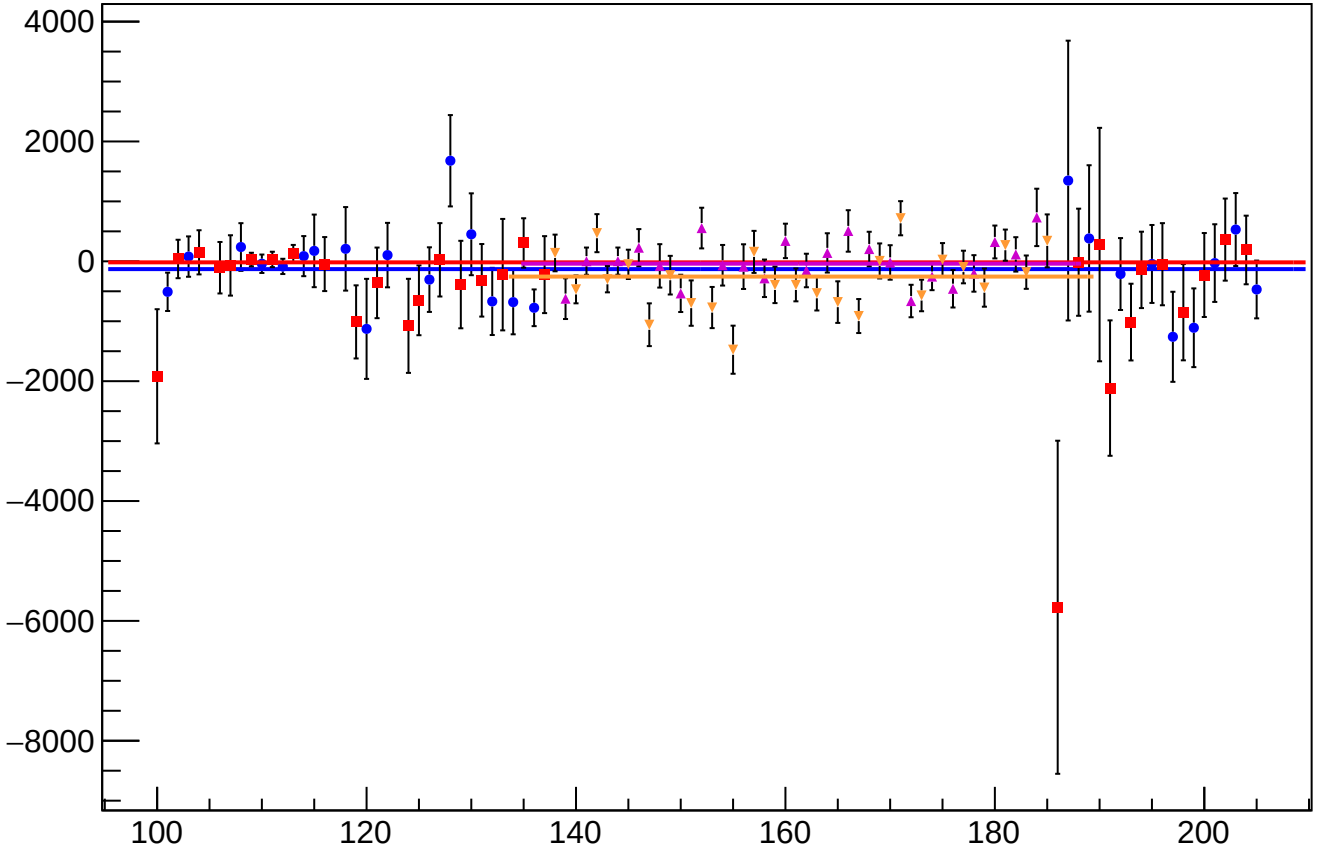
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.362+/-0.008 χ^2/NDF: 1116968.7/49

All: 61.782+/-0.005 χ^2/NDF: 2825078.3/102

- sign 62.215+/-0.008 χ^2/NDF: 1701860.3/52

asym_sam8_reg_correction_mean vs Slug



Right In: -130.010+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -17.166+/-61.676 χ^2/NDF: 23.6/29

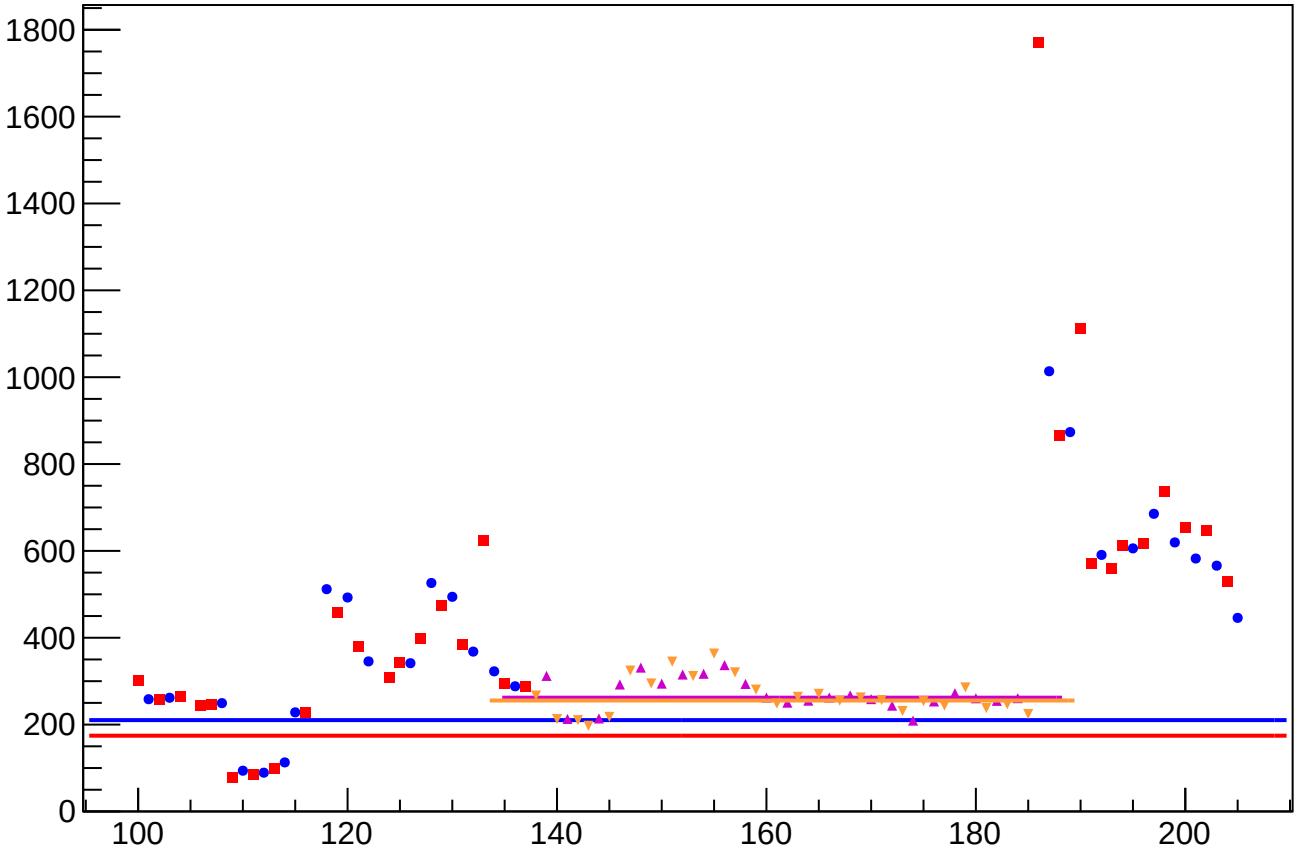
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -204.888+/-45.638 χ^2/NDF: 84.7/49

All: -112.639+/-31.558 χ^2/NDF: 144.6/102

- sign -28.119+/-43.684 χ^2/NDF: 52.0/52

asym_sam8_reg_correction_rms vs Slug



Right In: 210.332+/-0.051 χ^2/NDF: 10915297.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 174.465+/-0.044 χ^2/NDF: 14460540.9/29

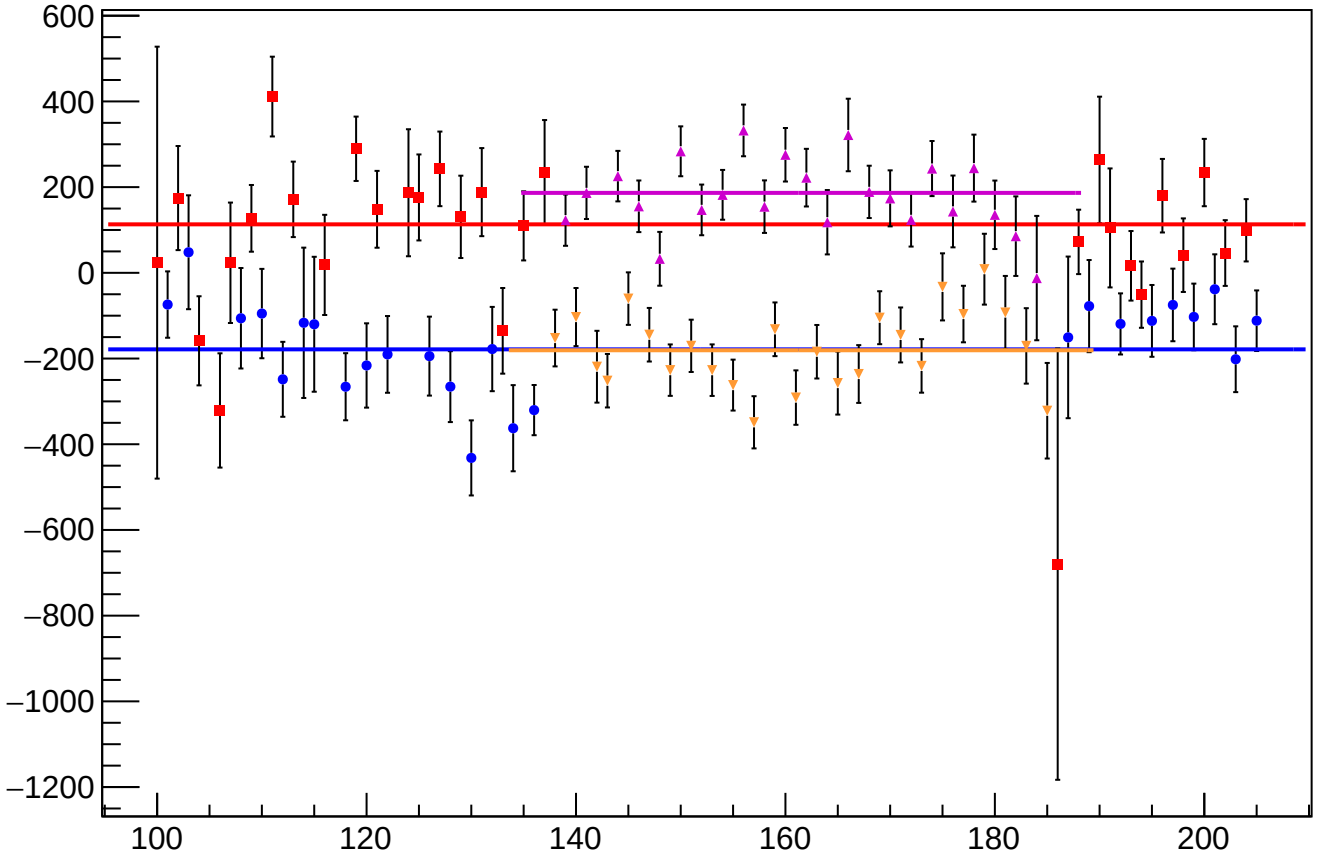
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 237.453+/-0.032 χ^2/NDF: 12248357.0/49

All: 227.348+/-0.022 χ^2/NDF: 29575272.9/10

- sign 218.089+/-0.031 χ^2/NDF: 17139026.8/52

cor_asym_sam8_mean vs Slug



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 113.148+/-17.548 χ^2/NDF: 60.0/29

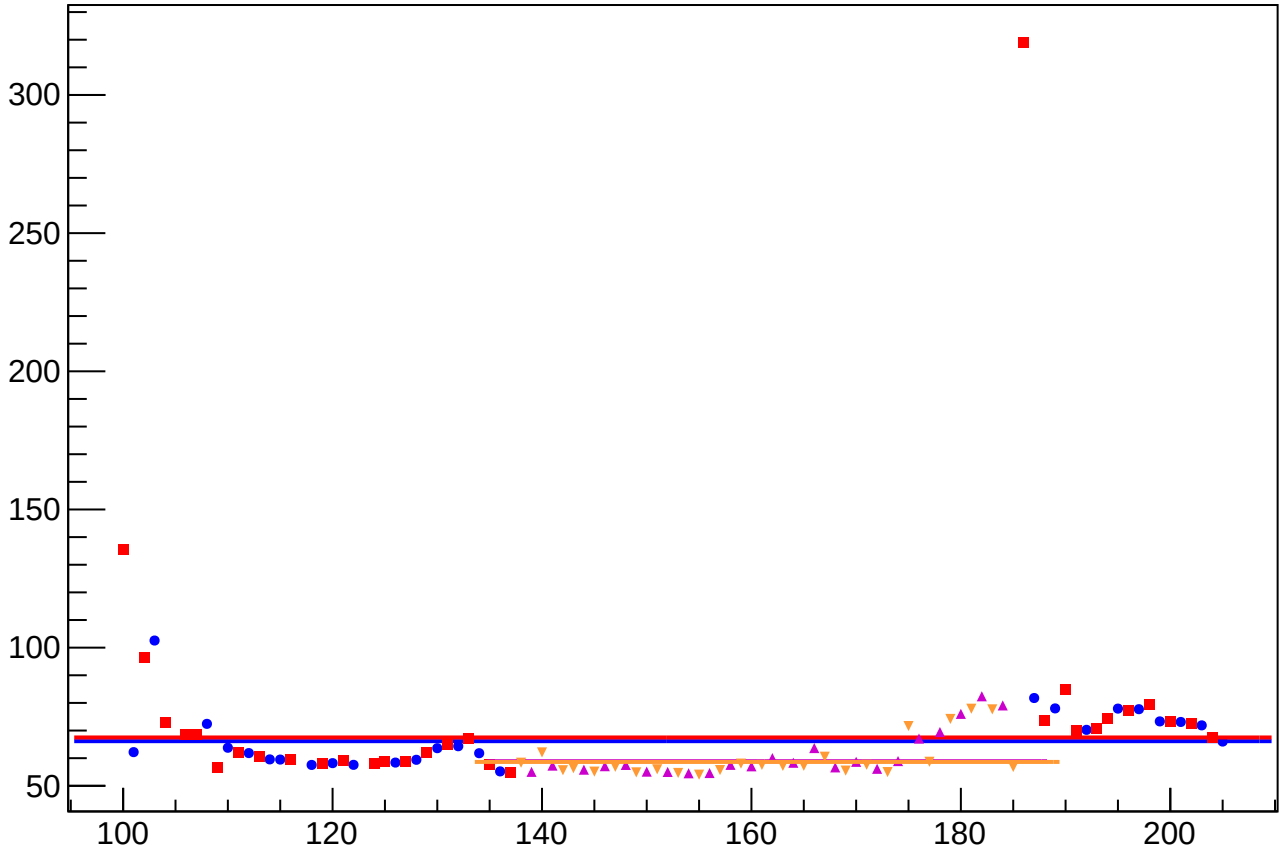
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -179.919+/-10.719 χ^2/NDF: 74.0/49

All: -13.244+/-7.635 χ^2/NDF: 664.5/102

- sign 158.363+/-10.877 χ^2/NDF: 99.8/52

cor_asym_sam8_rms vs Slug



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

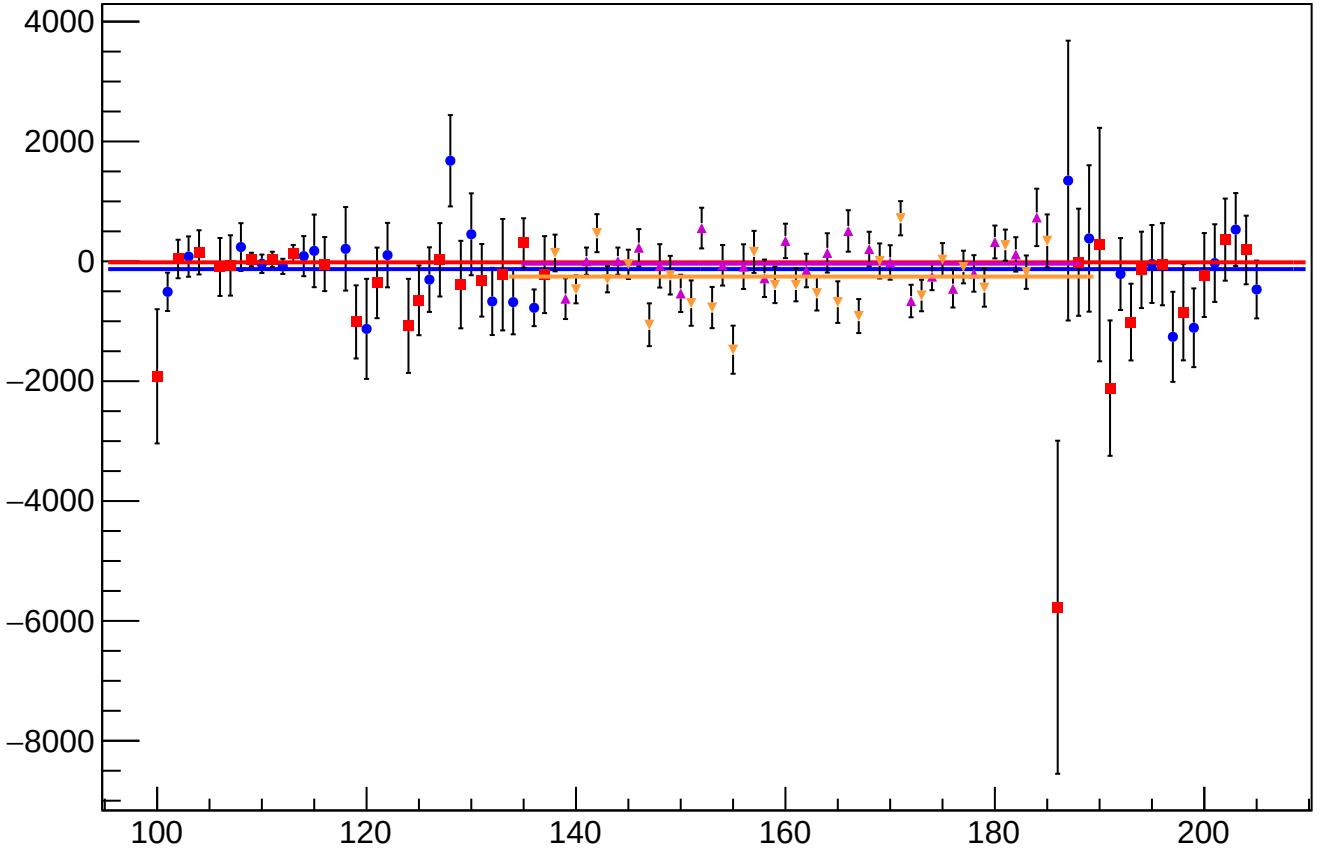
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.362+/-0.008 χ^2/NDF: 1116971.3/49

All: 61.778+/-0.005 χ^2/NDF: 2823123.5/102

- sign 62.206+/-0.008 χ^2/NDF: 1700042.5/52

asym_sam8_cor_correction_mean vs Slug



Right In: -129.993+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -16.592+/-61.812 χ^2/NDF: 23.6/29

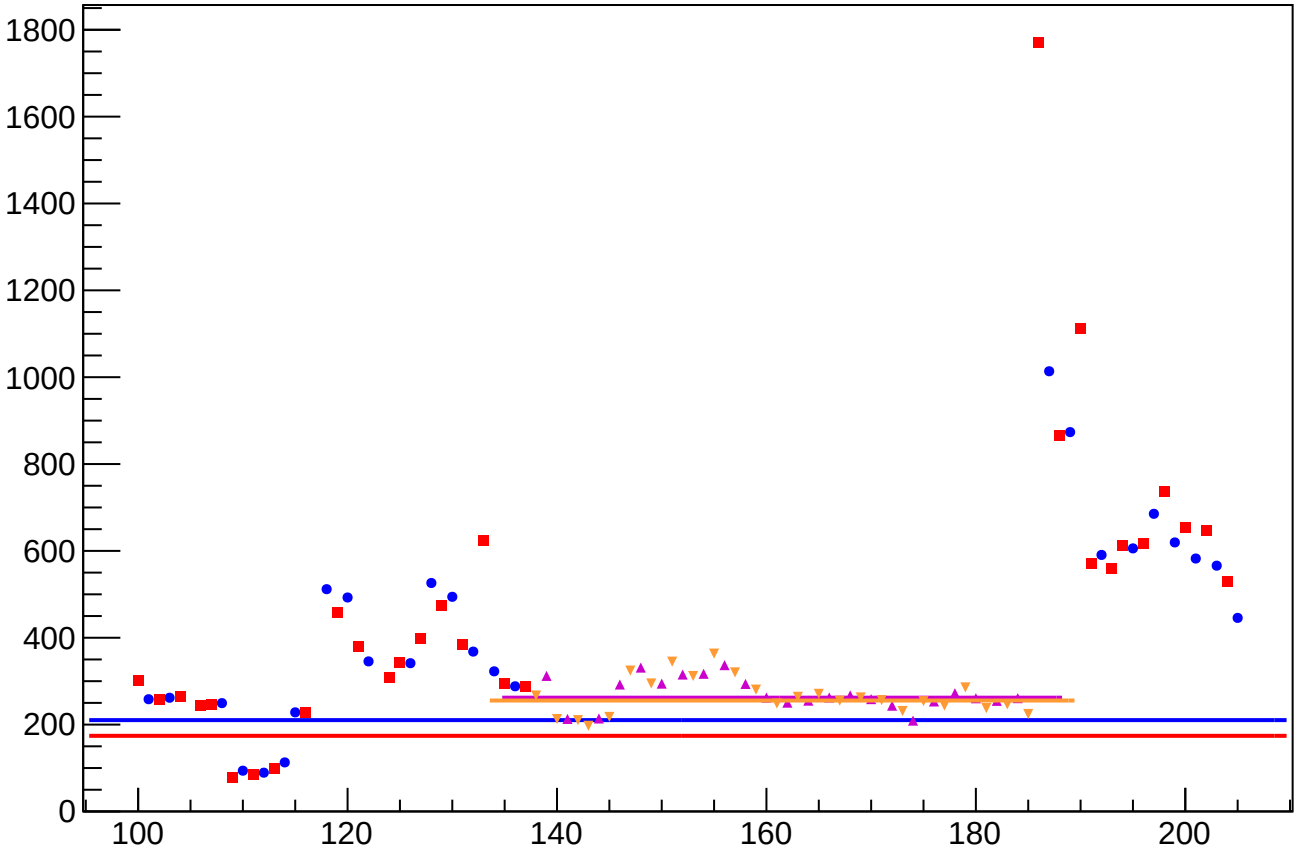
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -204.880+/-45.638 χ^2/NDF: 84.7/49

All: -112.595+/-31.576 χ^2/NDF: 144.6/102

- sign -27.855+/-43.733 χ^2/NDF: 52.0/52

asym_sam8_cor_correction_rms vs Slug



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

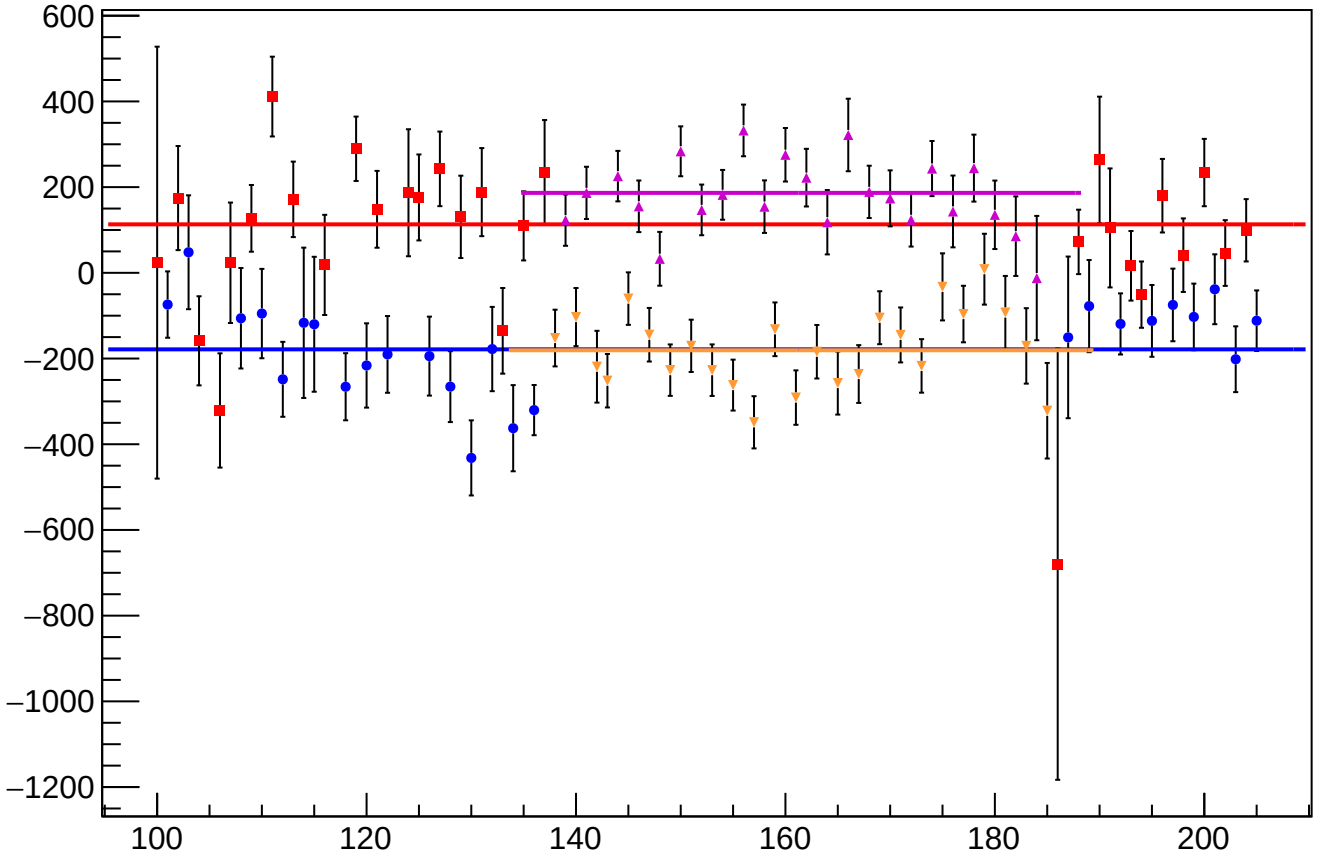
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 237.453+/-0.032 χ^2/NDF: 12248378.5/49

All: 227.331+/-0.022 χ^2/NDF: 29575178.3/10

- sign 218.036+/-0.031 χ^2/NDF: 17138067.8/52

eigen_cor_asym_sam8_mean vs Slug



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 113.148+/-17.548 χ^2/NDF: 60.0/29

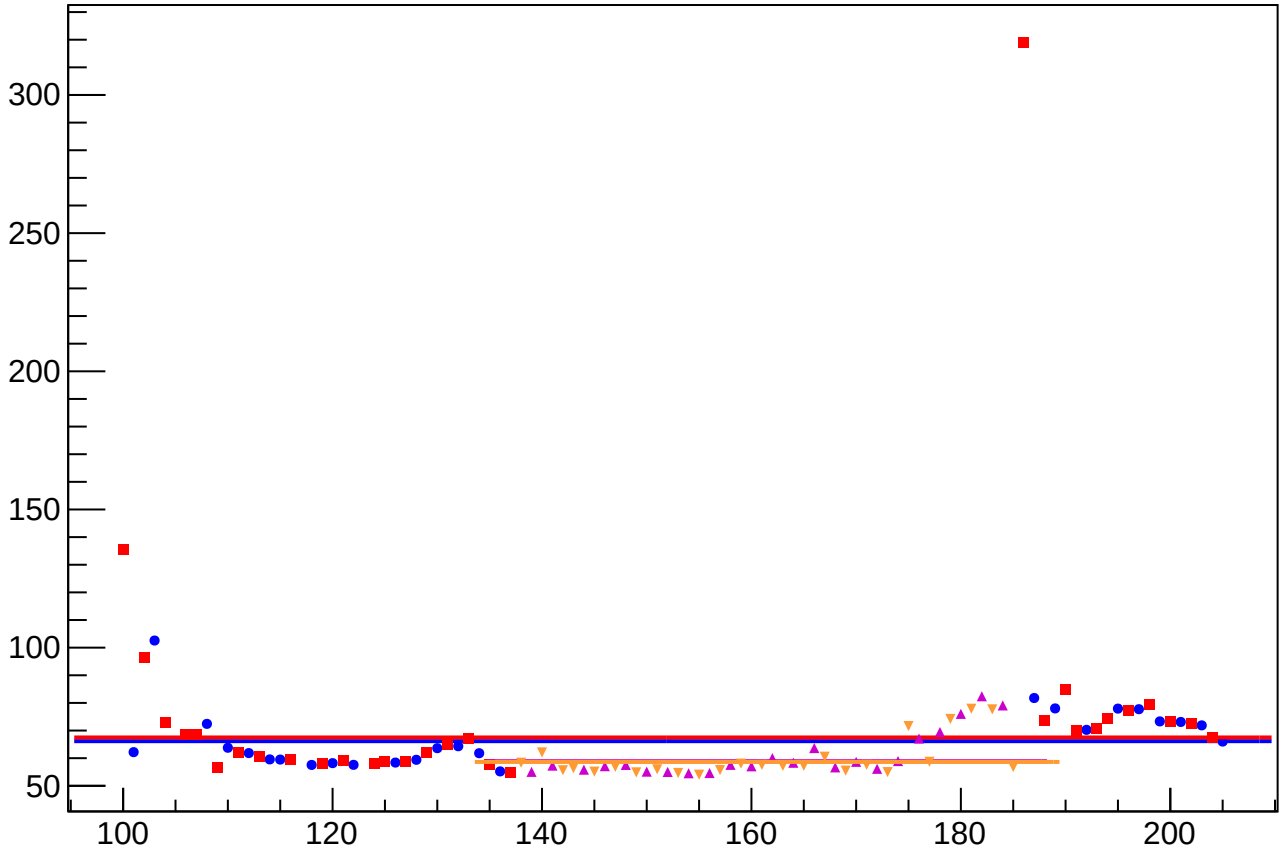
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -179.919+/-10.719 χ^2/NDF: 74.0/49

All: -13.244+/-7.635 χ^2/NDF: 664.5/102

- sign 158.363+/-10.877 χ^2/NDF: 99.8/52

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

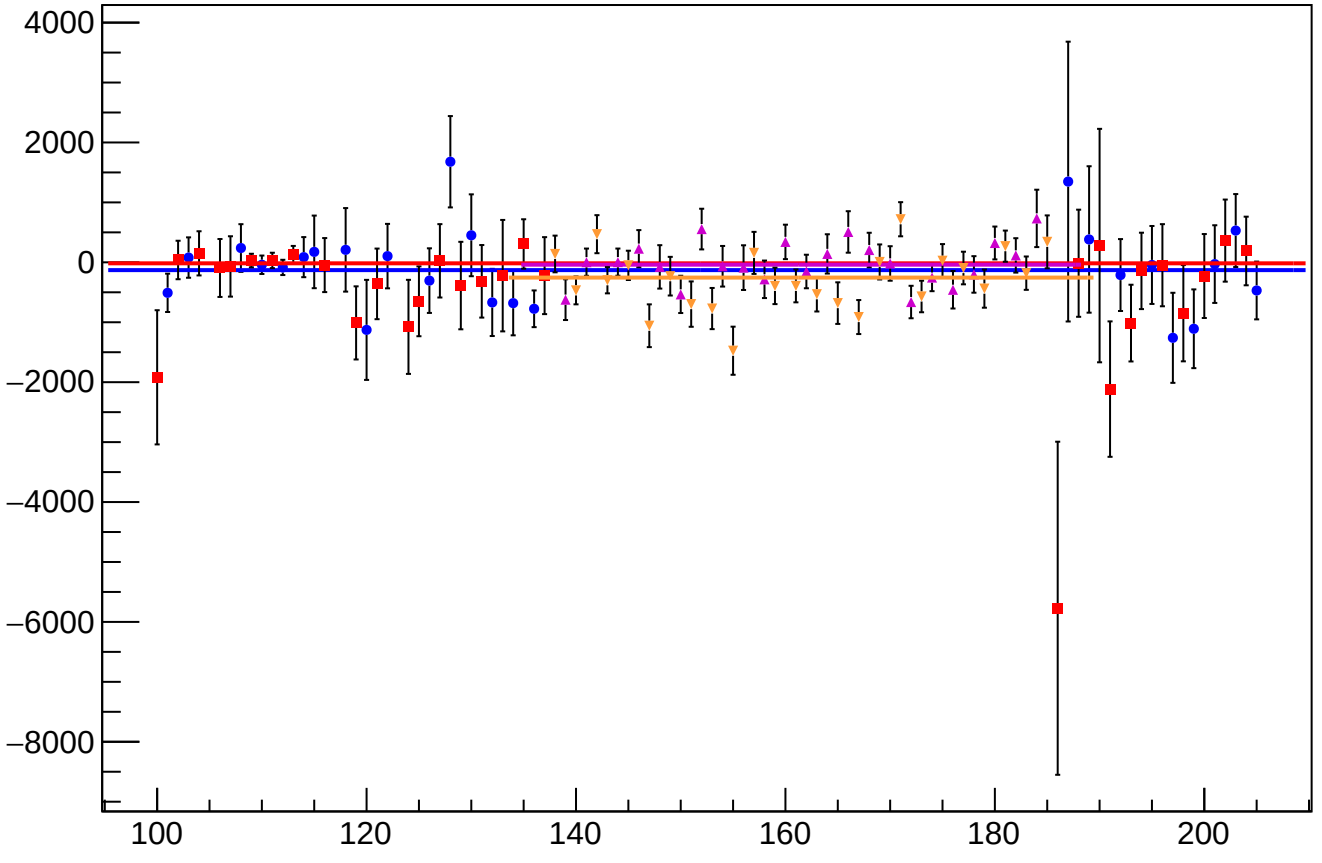
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.362+/-0.008 χ^2/NDF: 1116971.3/49

All: 61.778+/-0.005 χ^2/NDF: 2823123.5/102

- sign 62.206+/-0.008 χ^2/NDF: 1700042.5/52

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -129.993+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -16.592+/-61.812 χ^2/NDF: 23.6/29

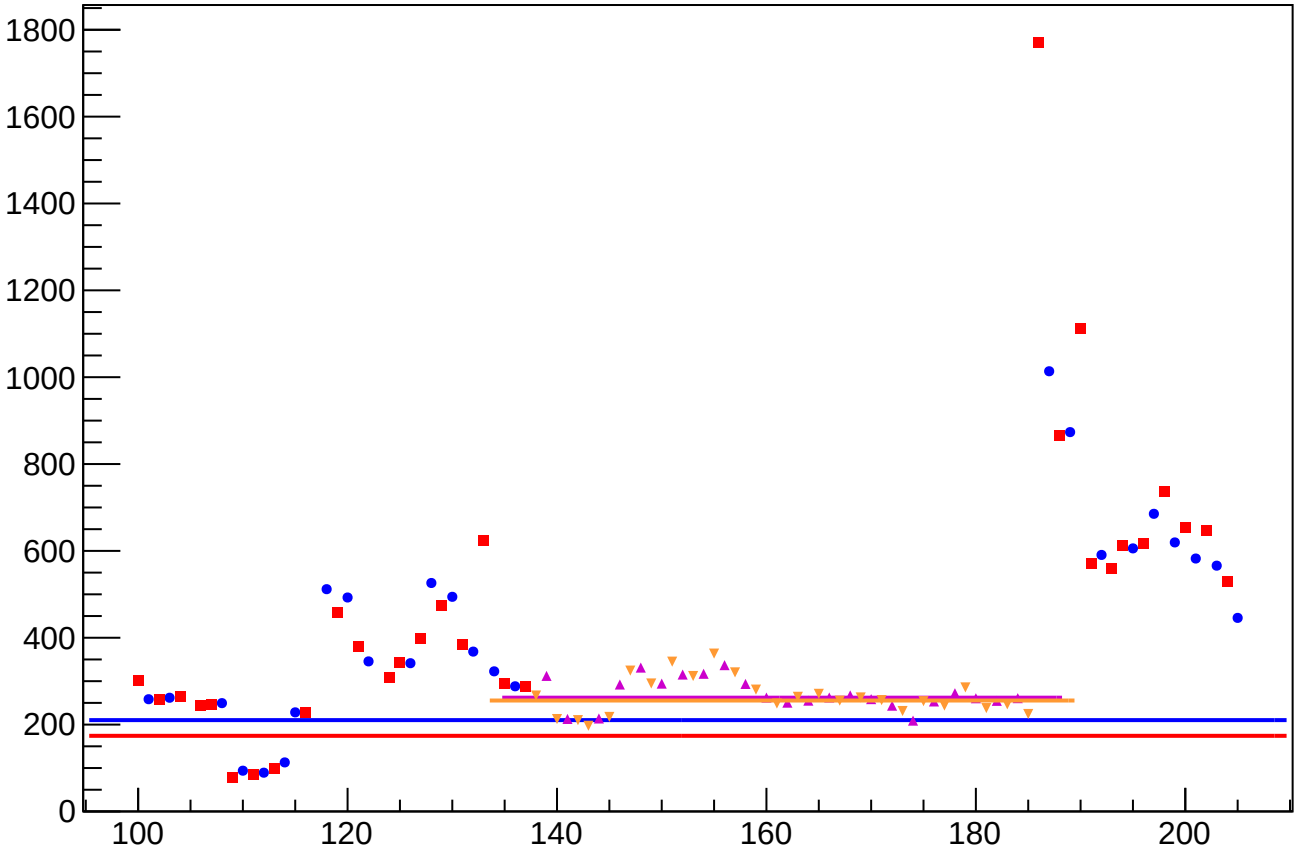
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -204.880+/-45.638 χ^2/NDF: 84.7/49

All: -112.595+/-31.576 χ^2/NDF: 144.6/102

- sign -27.855+/-43.733 χ^2/NDF: 52.0/52

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

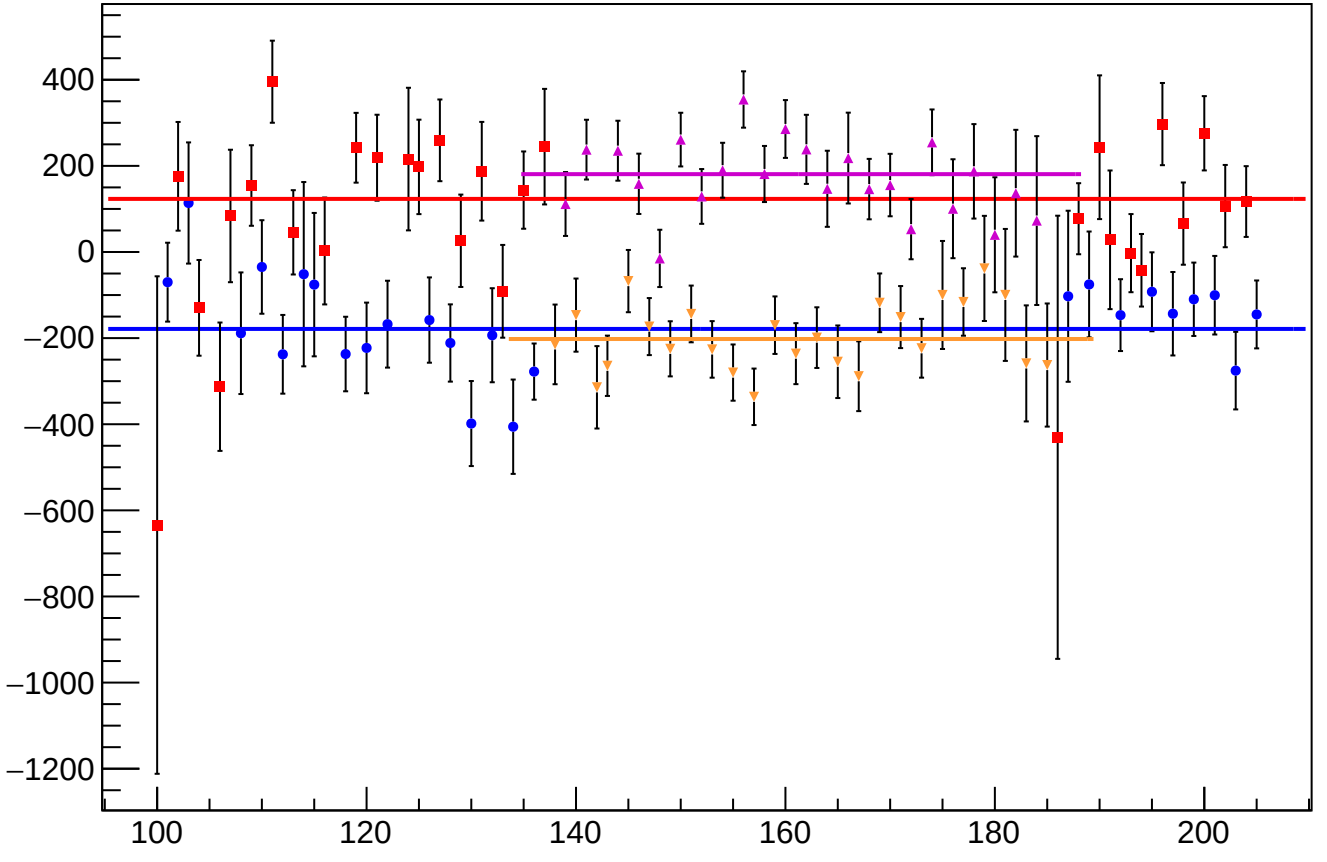
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 237.453+/-0.032 χ^2/NDF: 12248378.5/49

All: 227.331+/-0.022 χ^2/NDF: 29575178.3/10

- sign 218.036+/-0.031 χ^2/NDF: 17138067.8/52

dit_asym_sam8_mean vs Slug



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 123.309+/-19.468 χ^2/NDF: 52.4/29

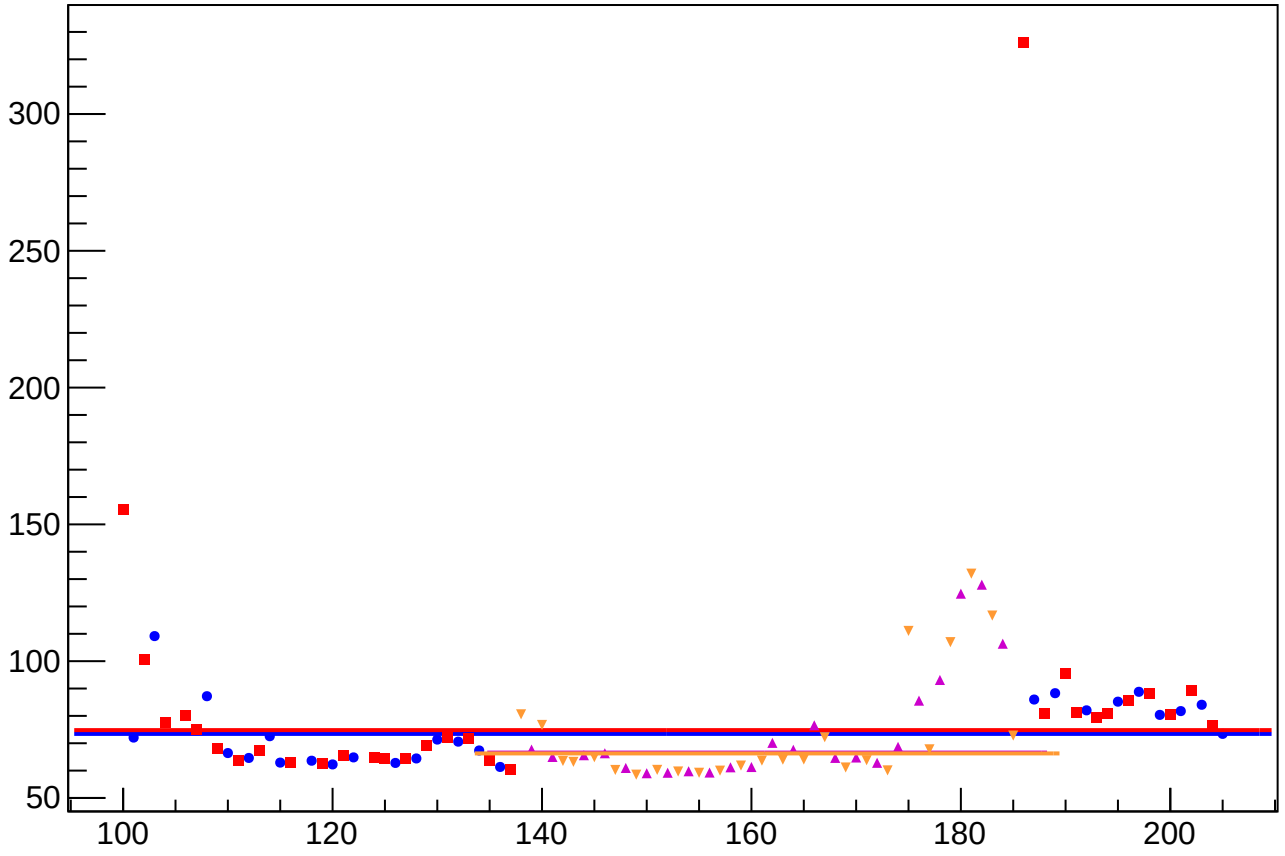
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -193.193+/-12.236 χ^2/NDF: 48.1/49

All: -19.718+/-8.699 χ^2/NDF: 542.3/102

- sign 157.579+/-12.370 χ^2/NDF: 87.7/52

dit_asym_sam8_rms vs Slug



Right In: 73.416+/-0.014 χ^2/NDF: 565884.3/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024498.3/29

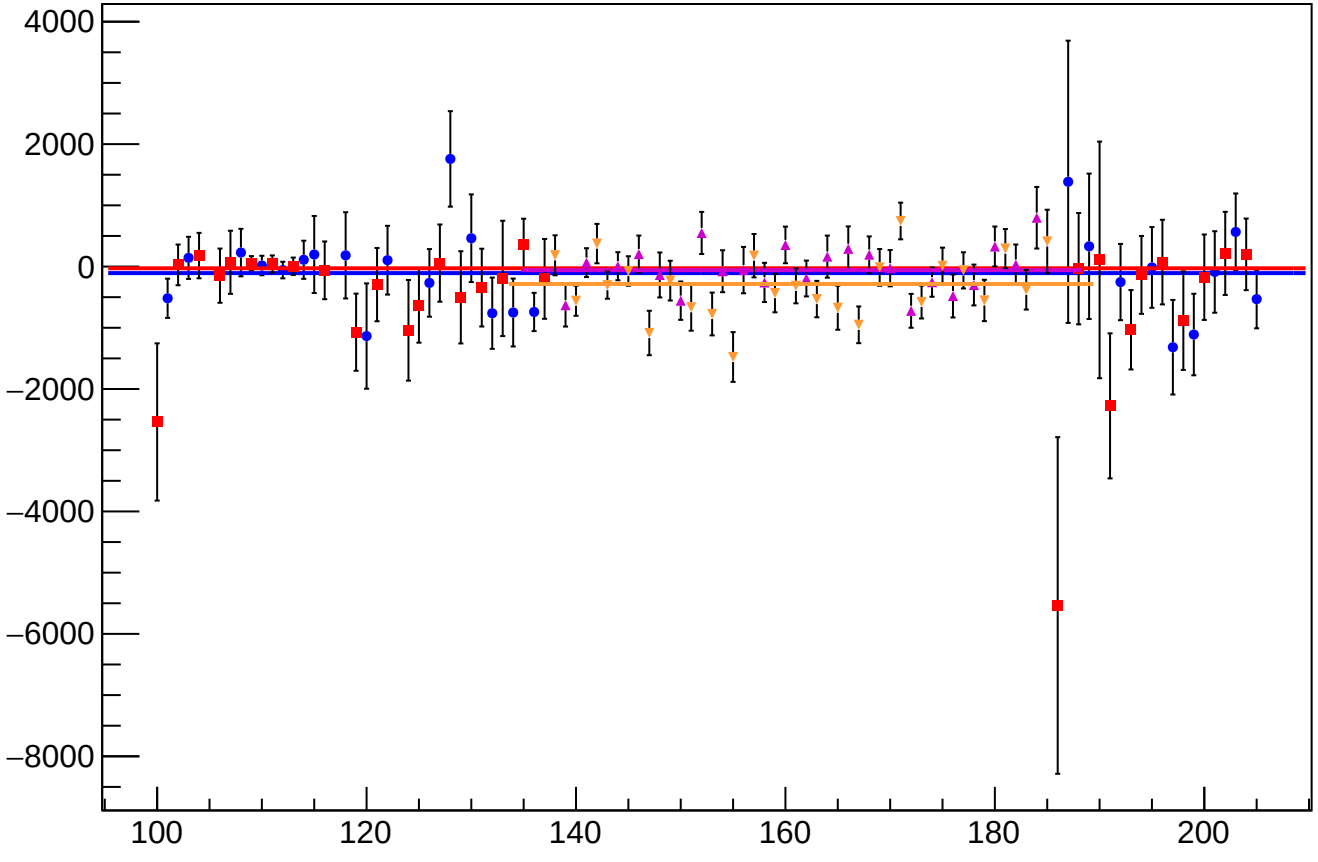
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.990+/-0.009 χ^2/NDF: 2120056.0/49

All: 69.441+/-0.006 χ^2/NDF: 4520518.1/102

- sign 69.901+/-0.009 χ^2/NDF: 2394980.6/52

asym_sam8_dit_correction_mean vs Slug



Right In: -106.905+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -28.482+/-63.482 χ^2/NDF: 23.7/29

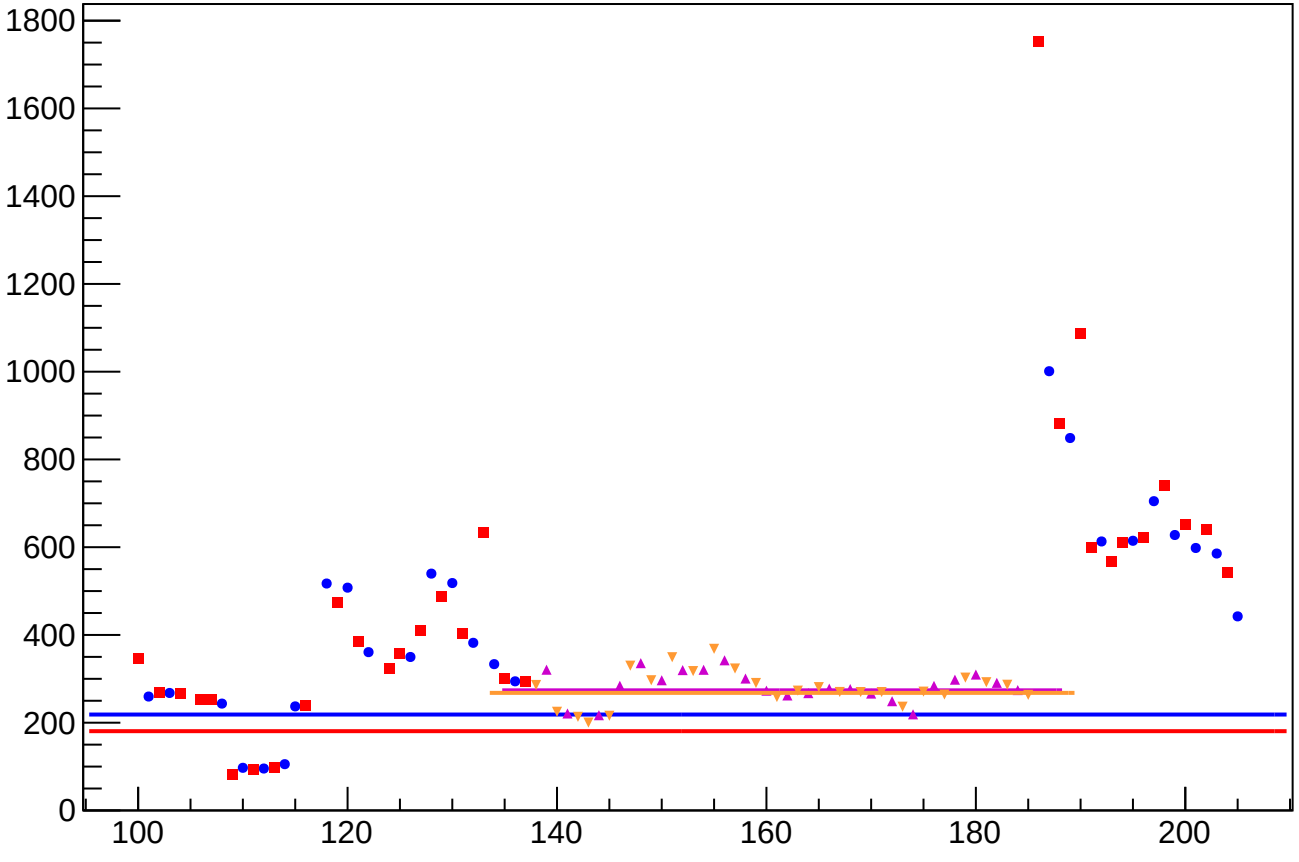
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

\+ sign -212.115+/-47.517 χ^2/NDF: 84.6/49

All: -123.789+/-32.784 χ^2/NDF: 141.8/102

\- sign -43.545+/-45.291 χ^2/NDF: 50.6/52

asym_sam8_dit_correction_rms vs Slug



Right In: 218.604+/-0.053 χ^2/NDF: 10678017.0/24

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 180.699+/-0.045 χ^2/NDF: 14270892.8/29

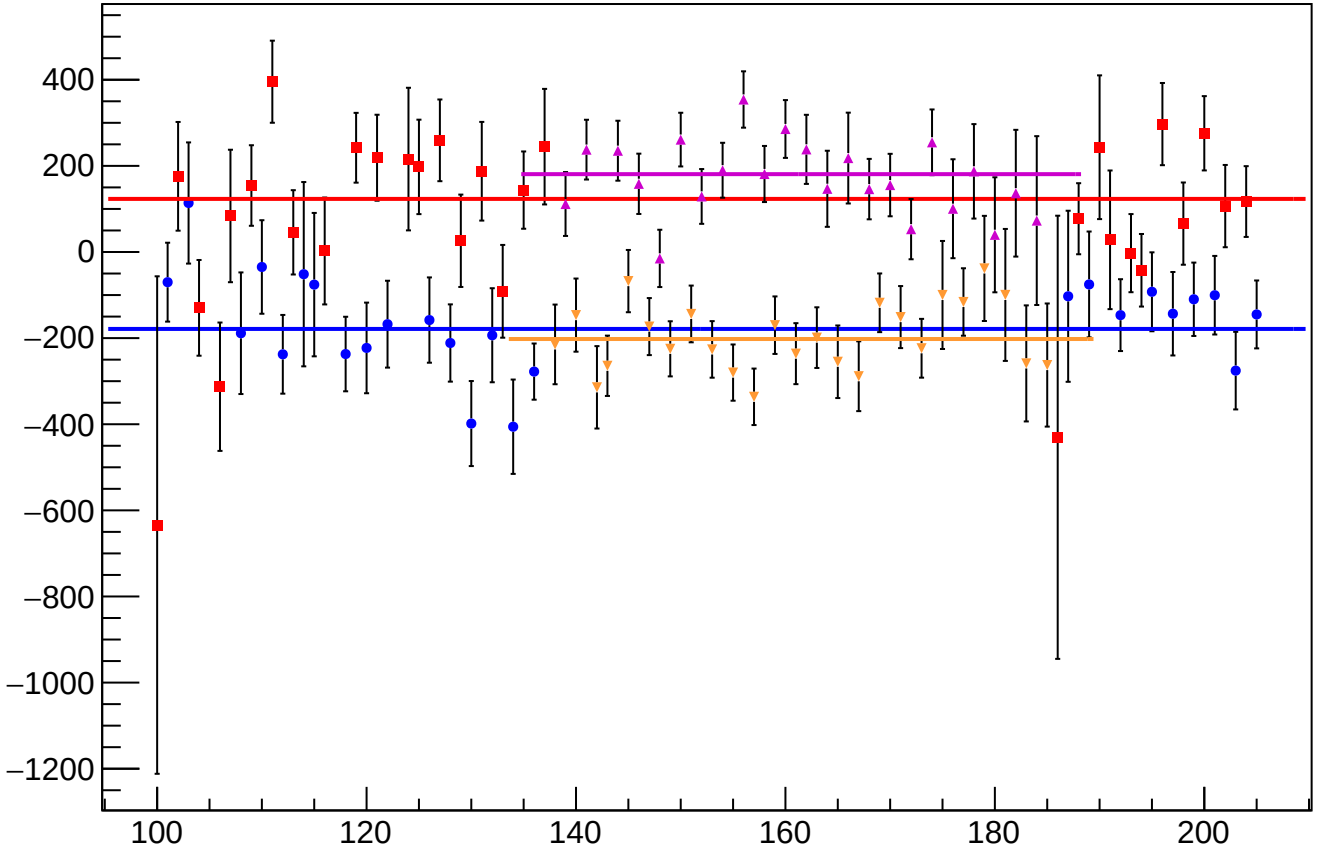
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 247.867+/-0.034 χ^2/NDF: 12062284.1/49

All: 236.611+/-0.023 χ^2/NDF: 29307486.8/10

- sign 226.386+/-0.032 χ^2/NDF: 17031052.7/52

eigen_dit_asym_sam8_mean vs Slug



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 123.310+/-19.468 χ^2/NDF: 52.4/29

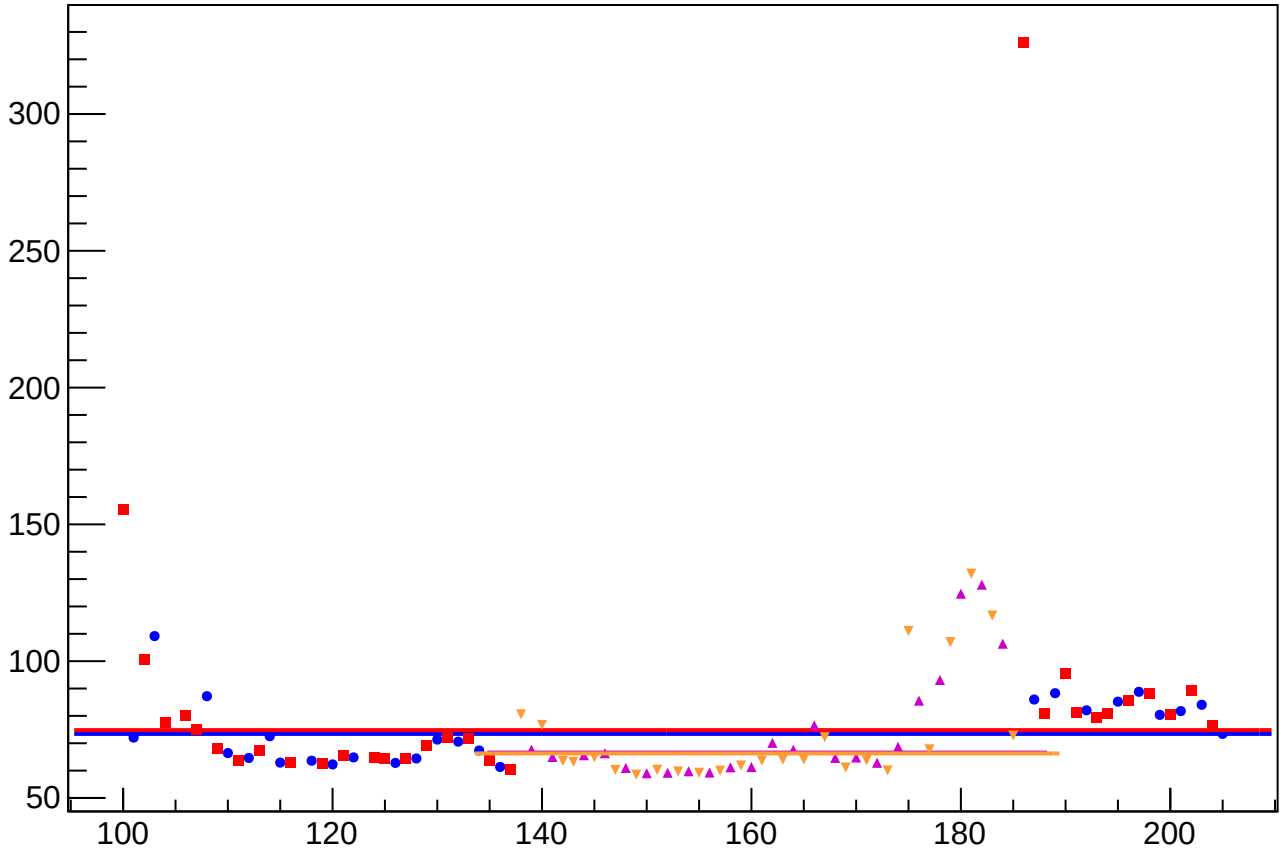
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -193.193+/-12.236 χ^2/NDF: 48.1/49

All: -19.718+/-8.699 χ^2/NDF: 542.3/102

- sign 157.580+/-12.370 χ^2/NDF: 87.7/52

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.415+/-0.014 χ^2/NDF: 565888.6/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024503.9/29

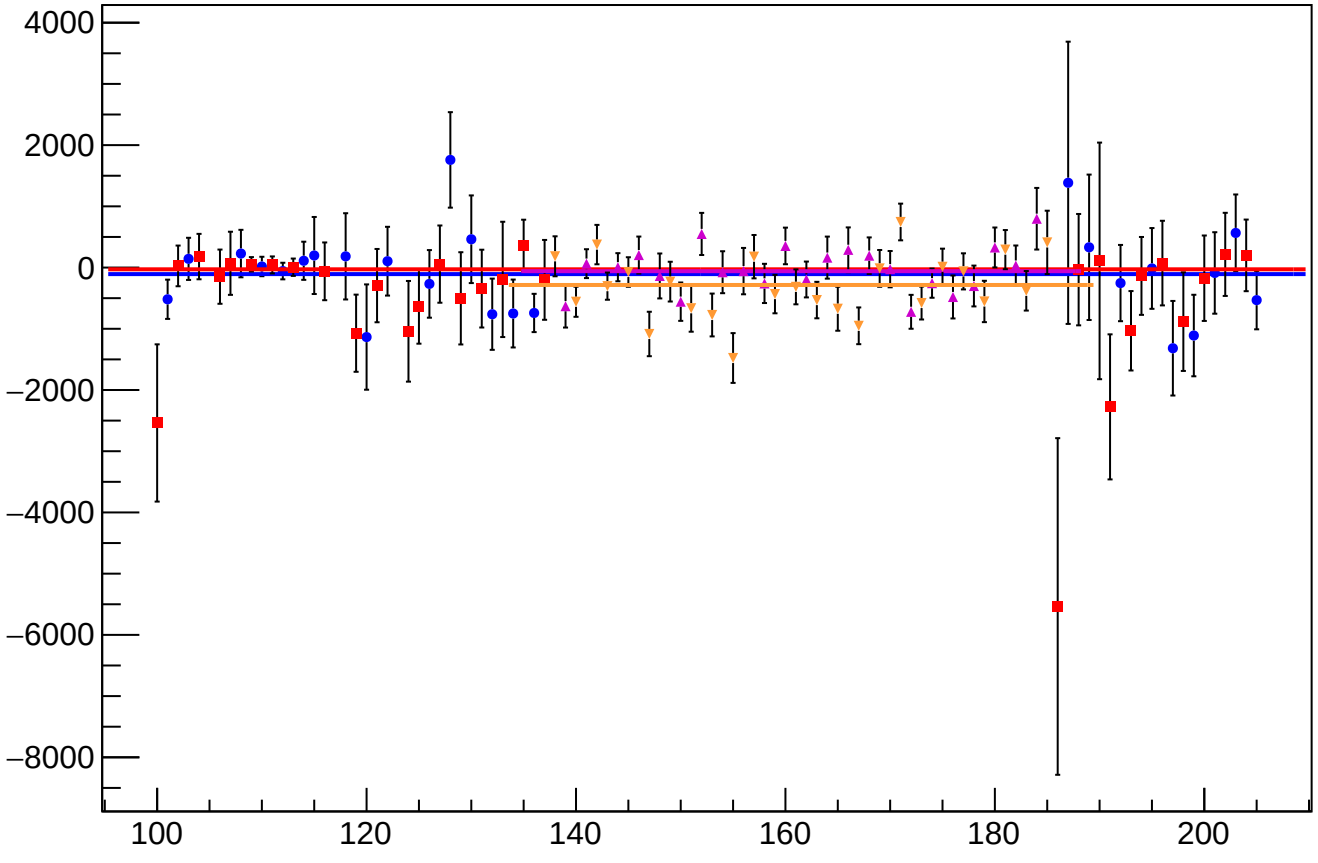
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.990+/-0.009 χ^2/NDF: 2120055.4/49

All: 69.441+/-0.006 χ^2/NDF: 4520505.7/102

- sign 69.901+/-0.009 χ^2/NDF: 2394968.8/52

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -106.903+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -28.481+/-63.482 χ^2/NDF: 23.7/29

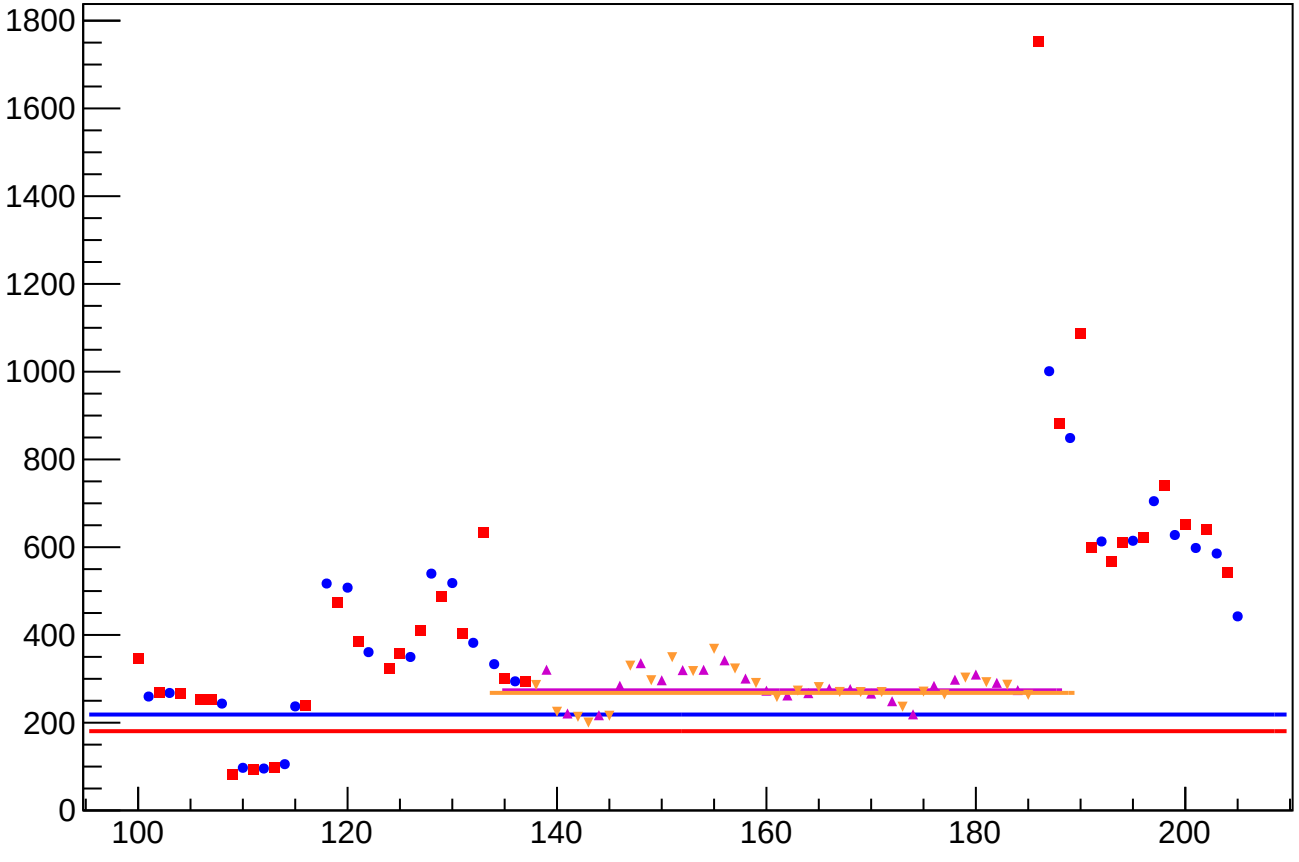
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -212.114+/-47.517 χ^2/NDF: 84.6/49

All: -123.788+/-32.784 χ^2/NDF: 141.8/102

- sign -43.544+/-45.291 χ^2/NDF: 50.6/52

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 218.603+/-0.053 χ^2/NDF: 10678075.3/24

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 180.698+/-0.045 χ^2/NDF: 14270875.0/29

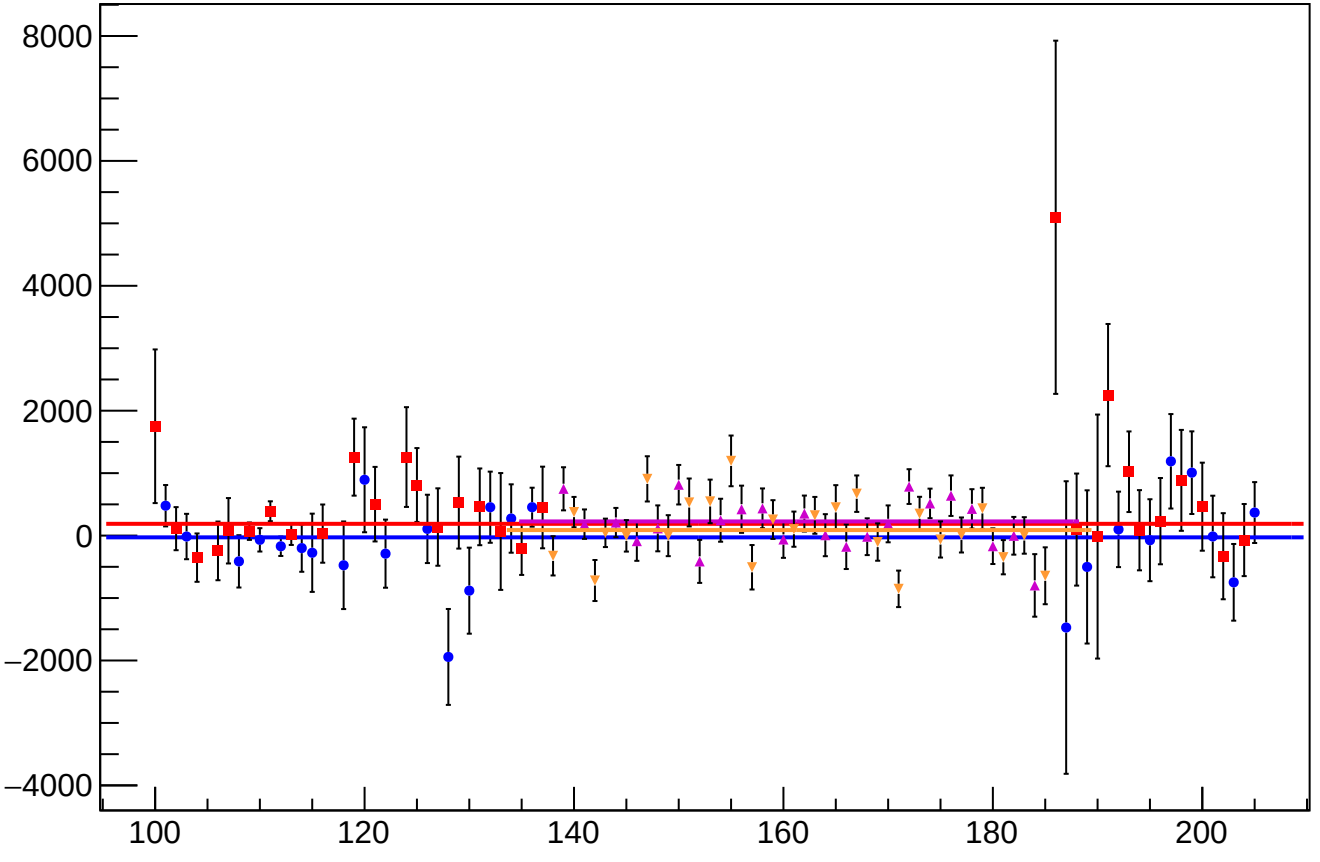
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 247.865+/-0.034 χ^2/NDF: 12062373.3/49

All: 236.611+/-0.023 χ^2/NDF: 29307541.3/10

- sign 226.386+/-0.032 χ^2/NDF: 17031029.7/52

asym_sam8_mean vs Slug



Right In: -28.131+/-81.219 χ^2/NDF: 25.2/24

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 188.490+/-71.126 χ^2/NDF: 25.2/29

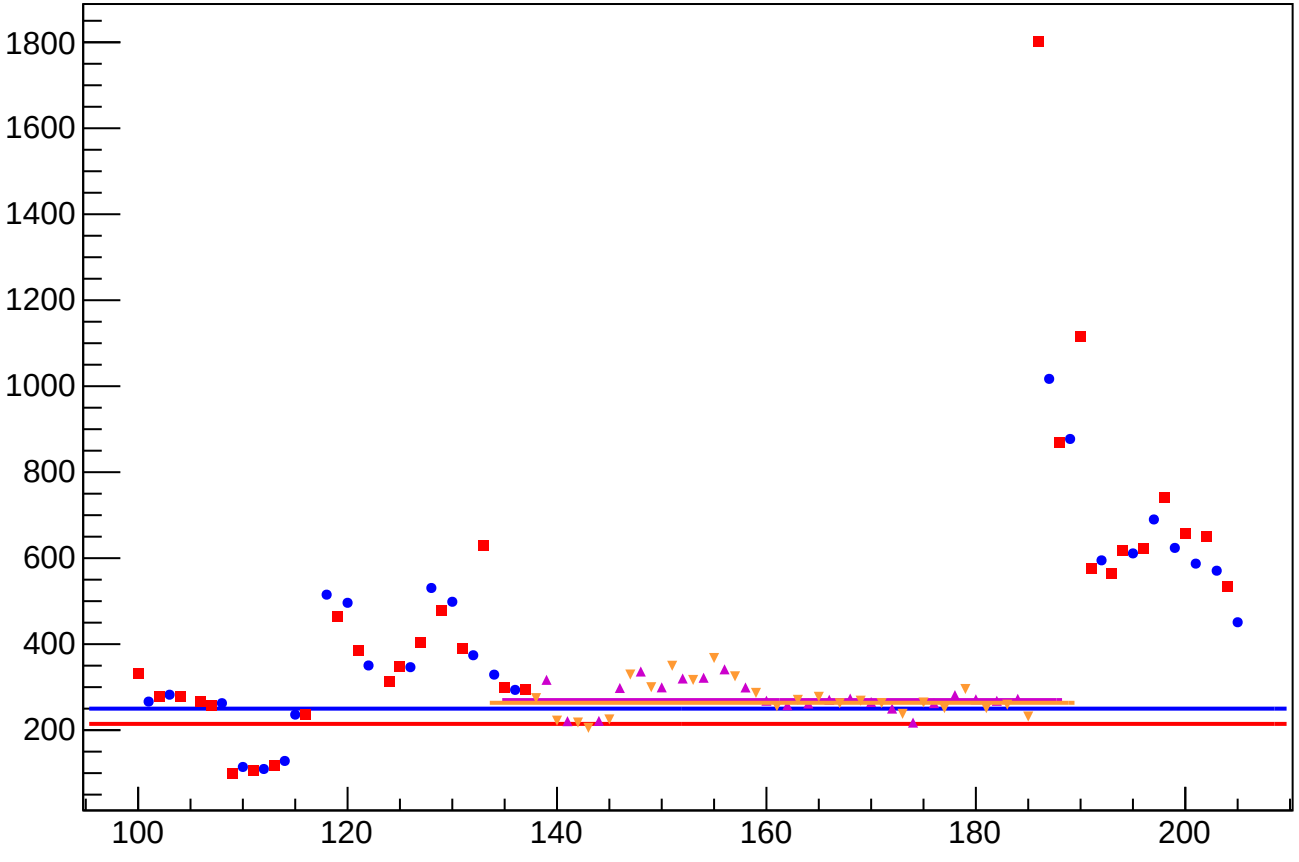
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 46.666+/-48.604 χ^2/NDF: 78.7/49

All: 130.203+/-33.950 χ^2/NDF: 138.7/102

- sign 209.793+/-47.442 χ^2/NDF: 54.2/52

asym_sam8_rms vs Slug



Right In: 250.002+/-0.057 χ^2/NDF: 8930328.9/24

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 214.519+/-0.050 χ^2/NDF: 12317008.1/29

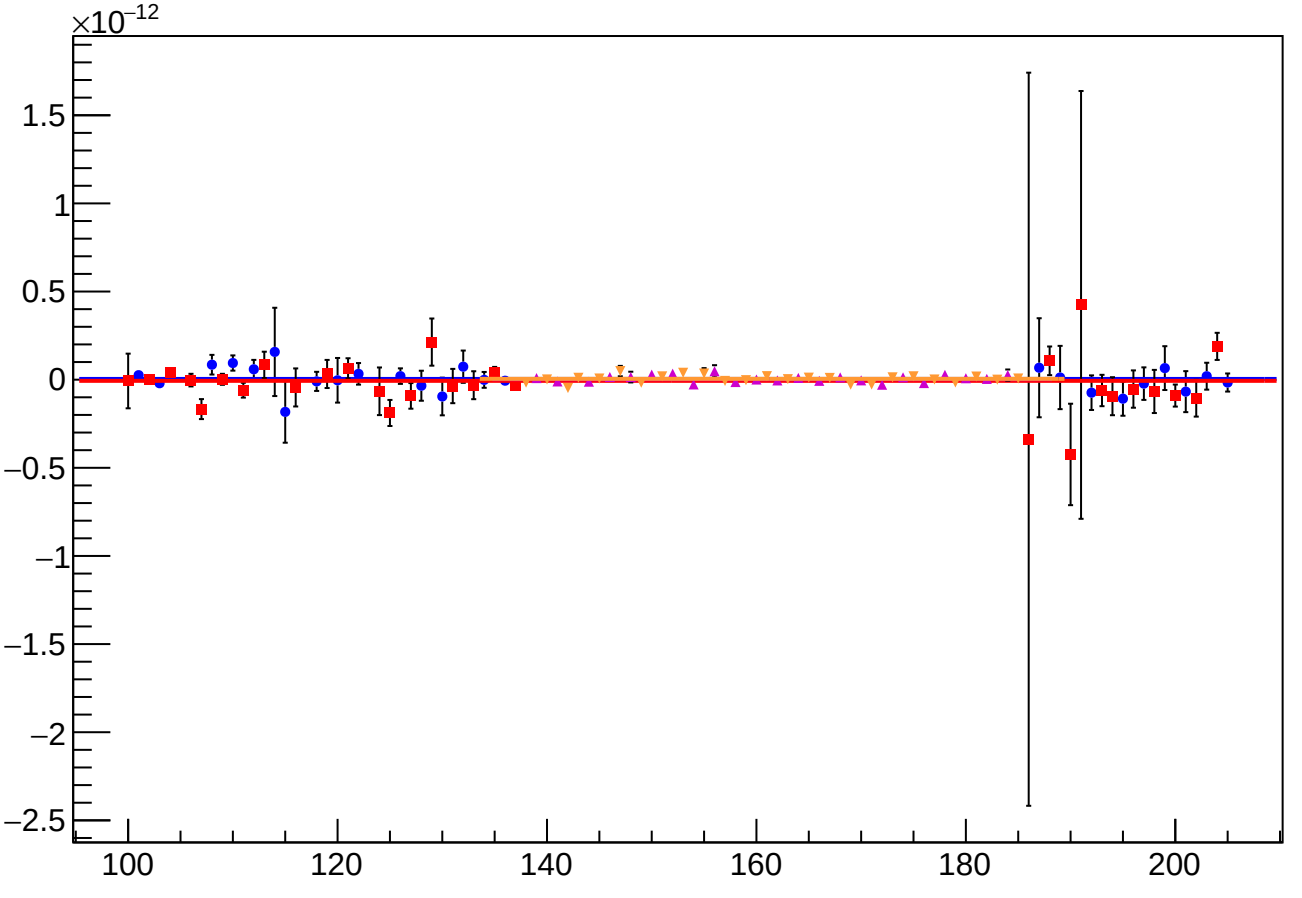
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 258.725+/-0.034 χ^2/NDF: 9746130.8/49

All: 251.829+/-0.024 χ^2/NDF: 23417030.4/10

- sign 245.259+/-0.034 χ^2/NDF: 13592276.5/52

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/29

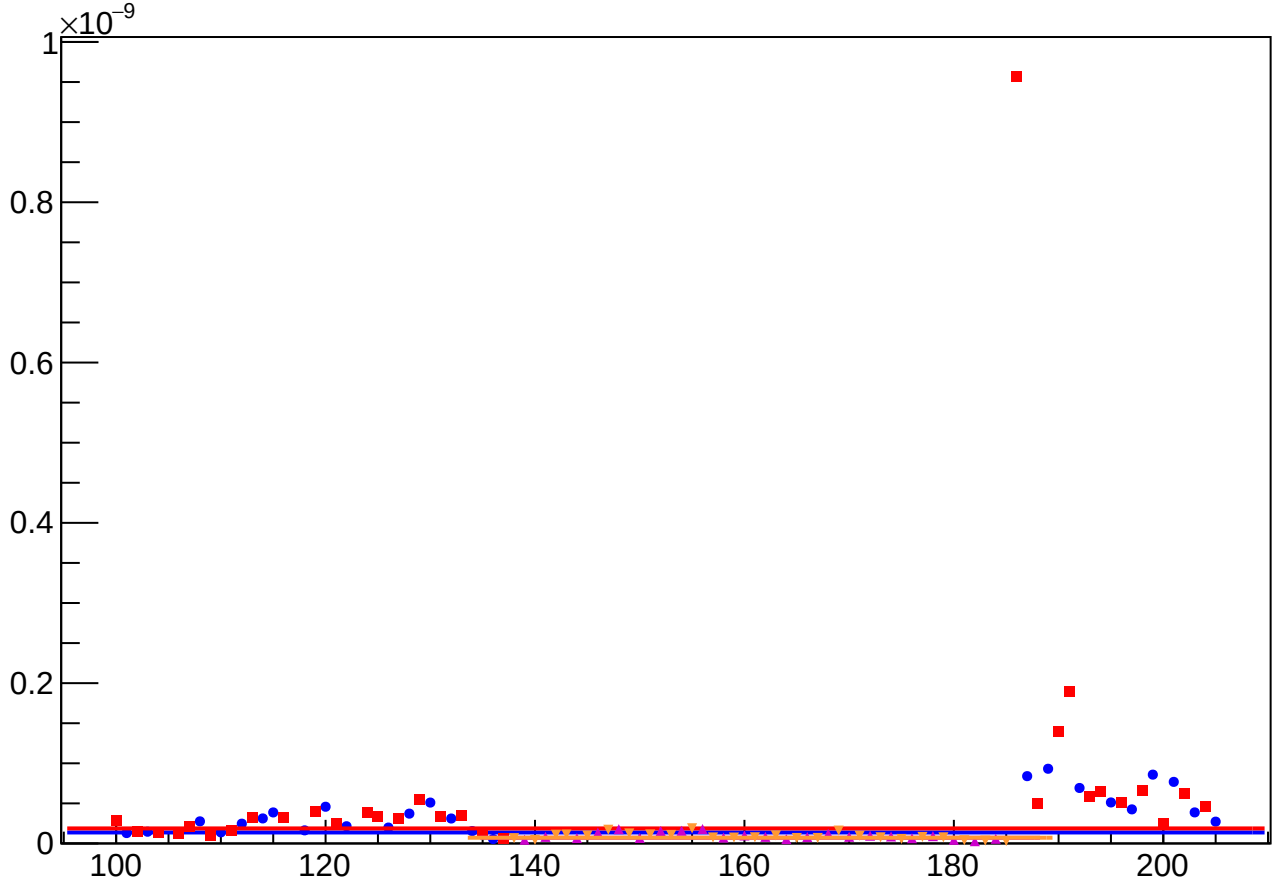
Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/49

All: 0.000+/-0.000 χ^2/NDF: 112.8/102

- sign 0.000+/-0.000 χ^2/NDF: 67.8/52

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5228213.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4598880.0/29

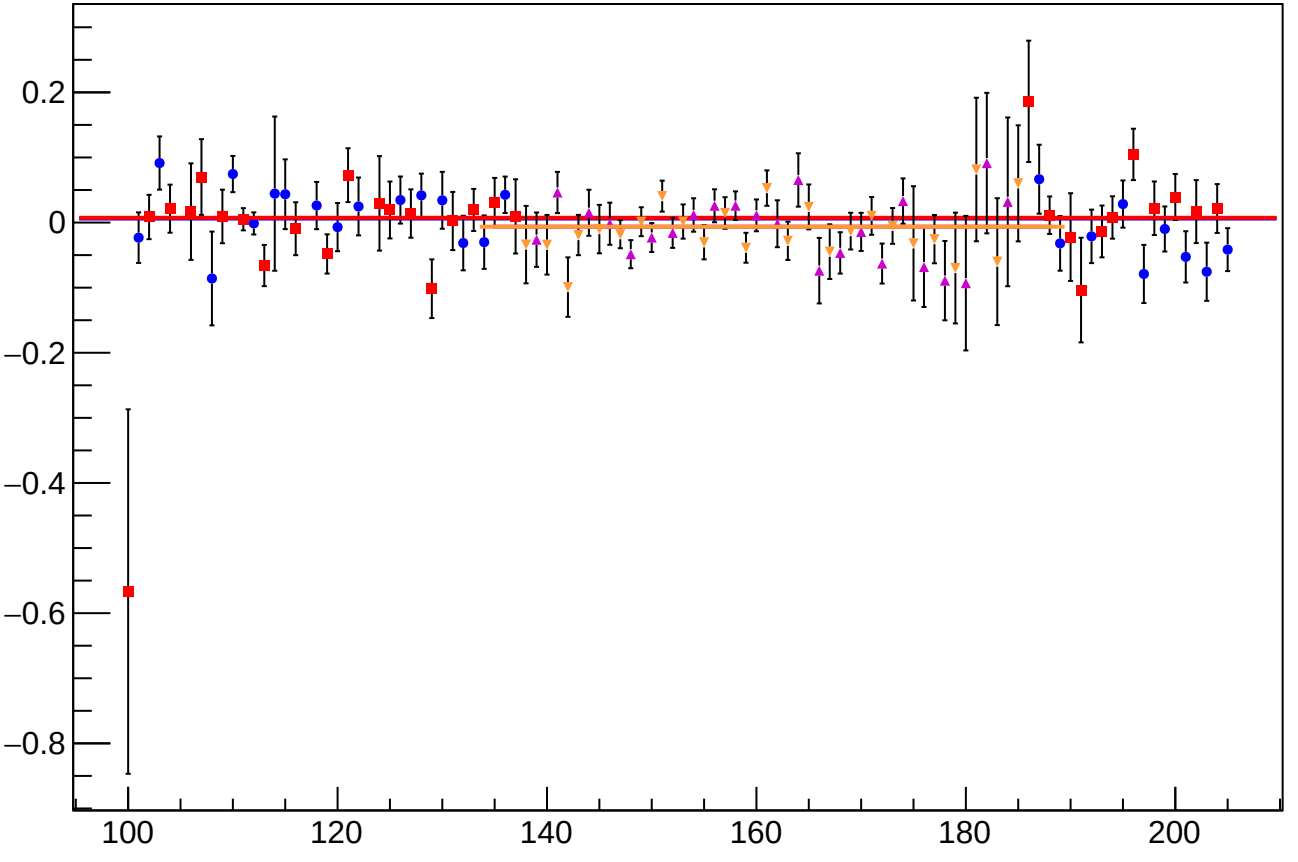
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8366887.9/49

All: 0.000+/-0.000 χ^2/NDF: 17658439.9/102

- sign 0.000+/-0.000 χ^2/NDF: 9284980.2/52

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

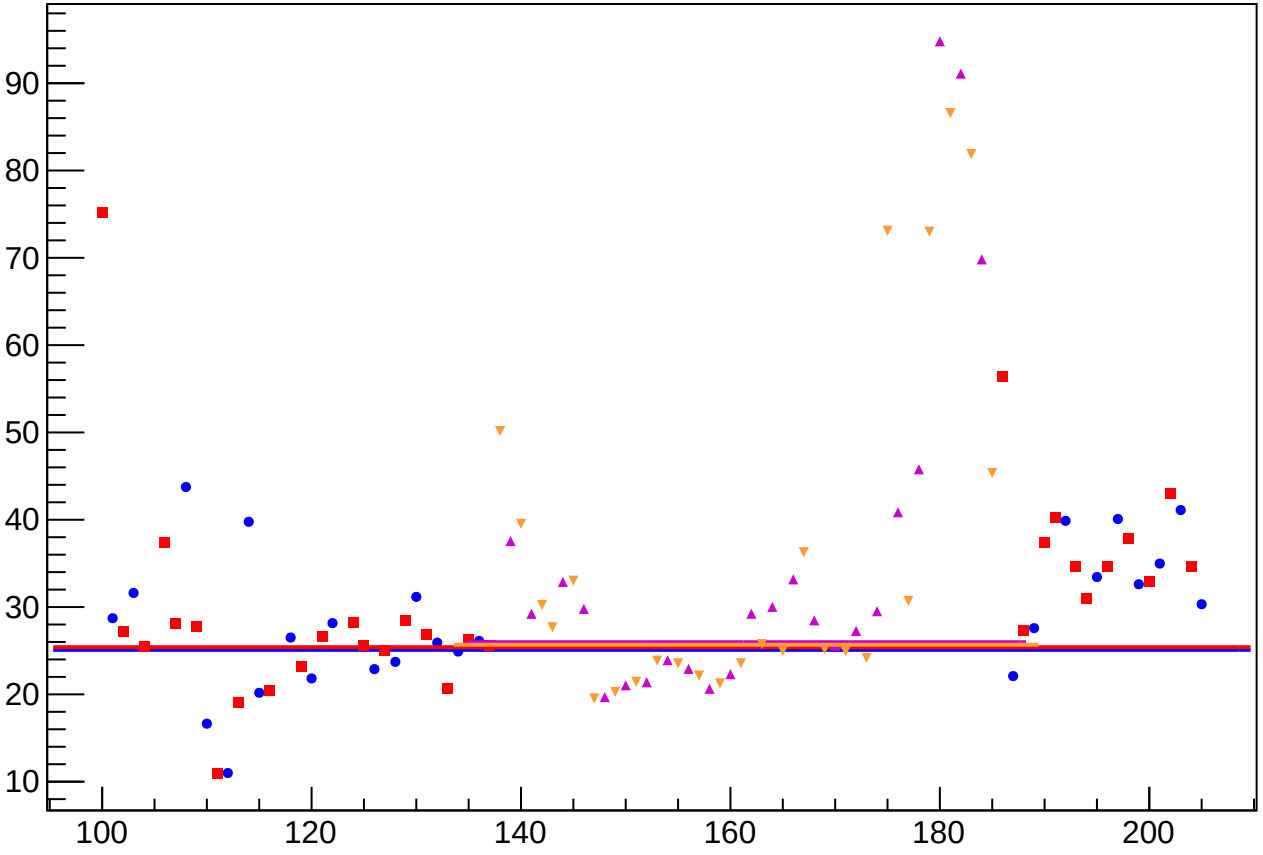
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 125.5/102

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

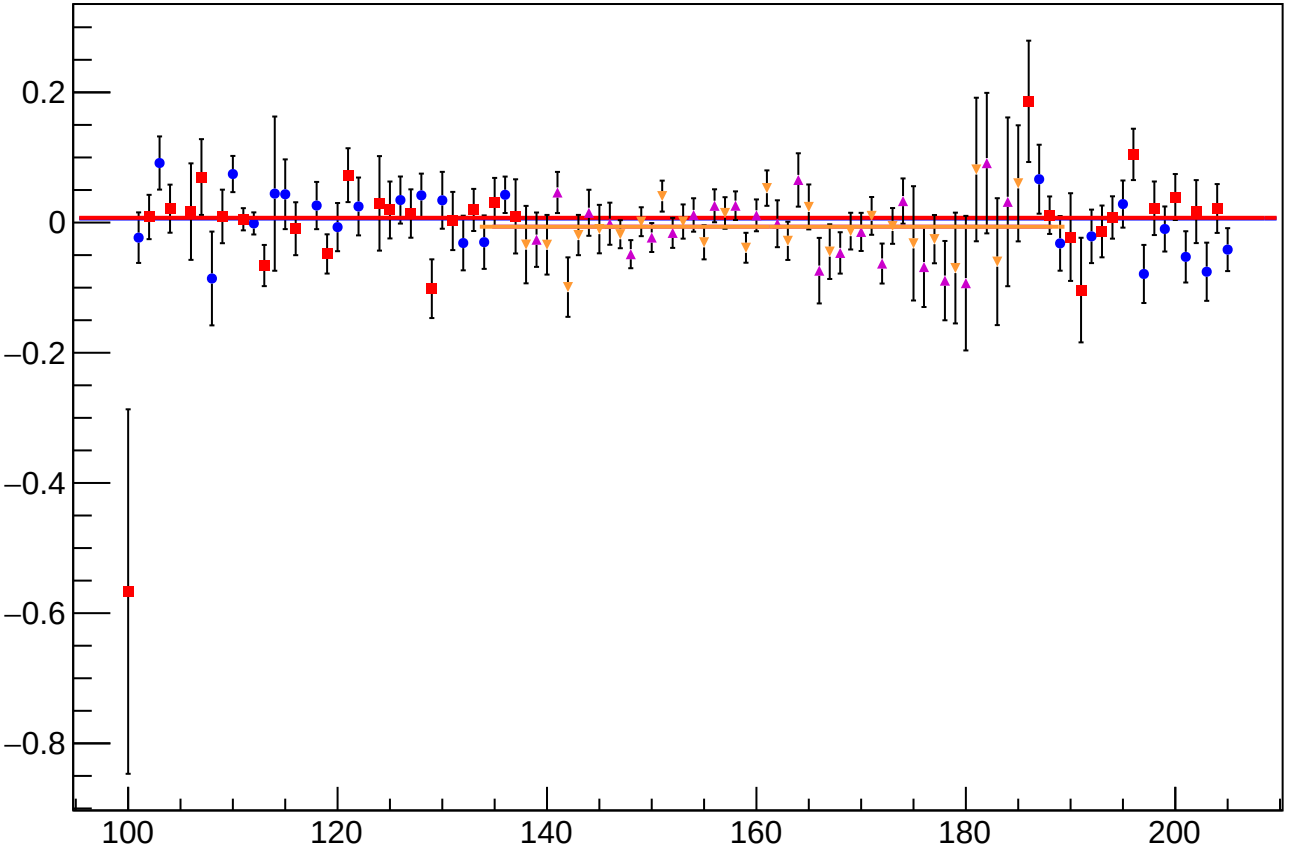
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.429+/-0.003 χ^2/NDF: 6904976.9/49

All: 25.565+/-0.002 χ^2/NDF: 13090454.3/102

\- sign 25.702+/-0.003 χ^2/NDF: 6182260.7/52

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

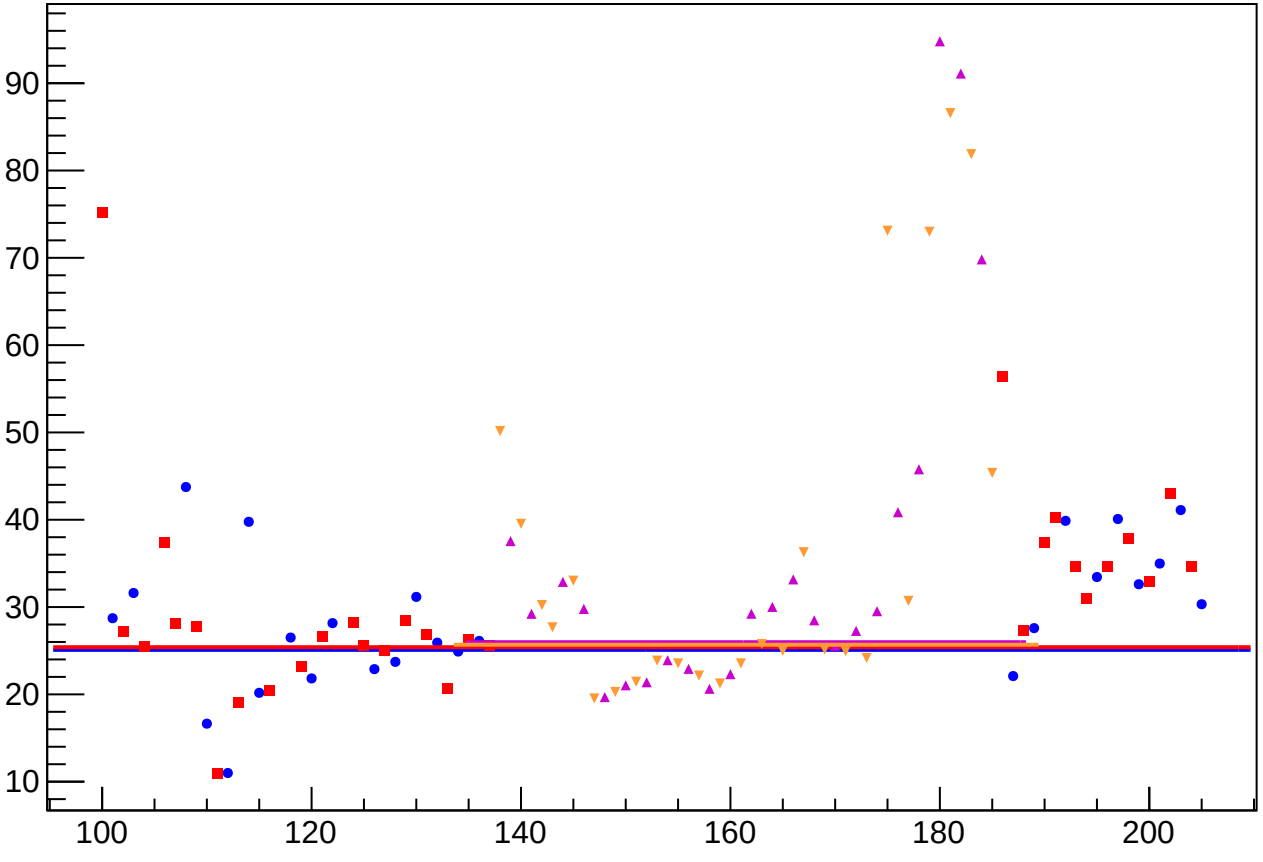
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 125.5/102

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

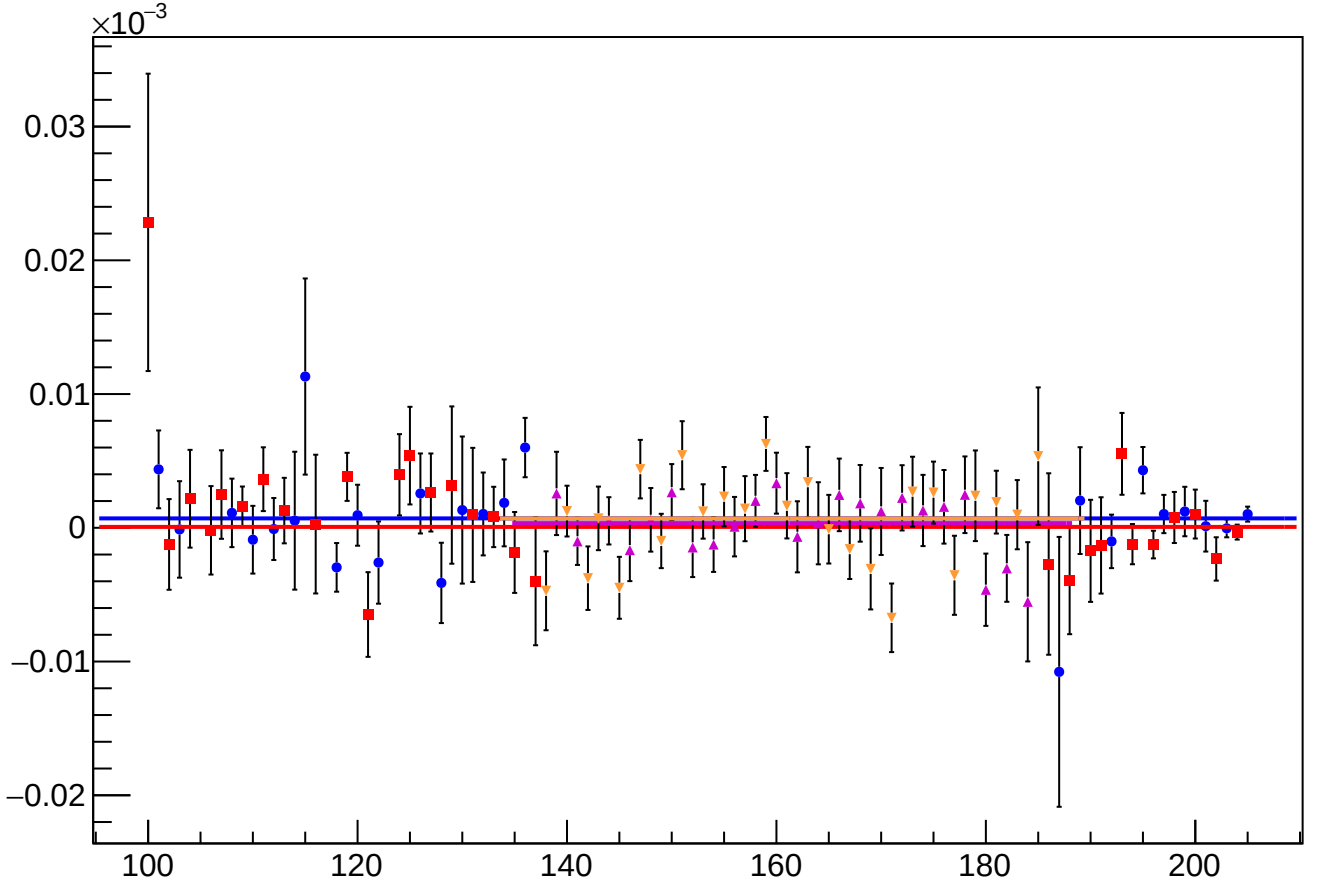
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.429+/-0.003 χ^2/NDF: 6904976.9/49

All: 25.565+/-0.002 χ^2/NDF: 13090454.3/102

- sign 25.702+/-0.003 χ^2/NDF: 6182260.7/52

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/29

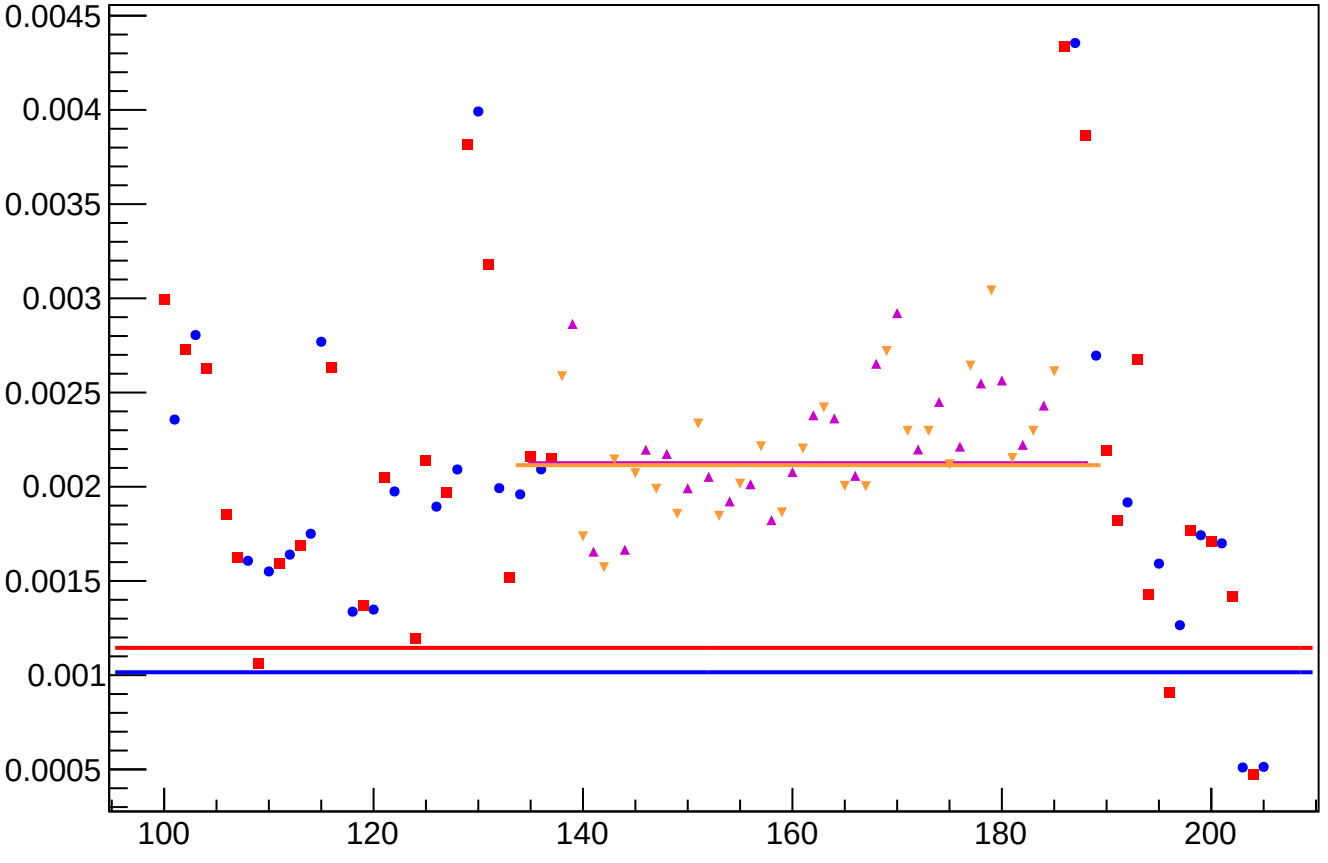
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.9/49

All: 0.000+/-0.000 χ^2/NDF: 122.9/102

- sign 0.000+/-0.000 χ^2/NDF: 50.2/52

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8133179.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

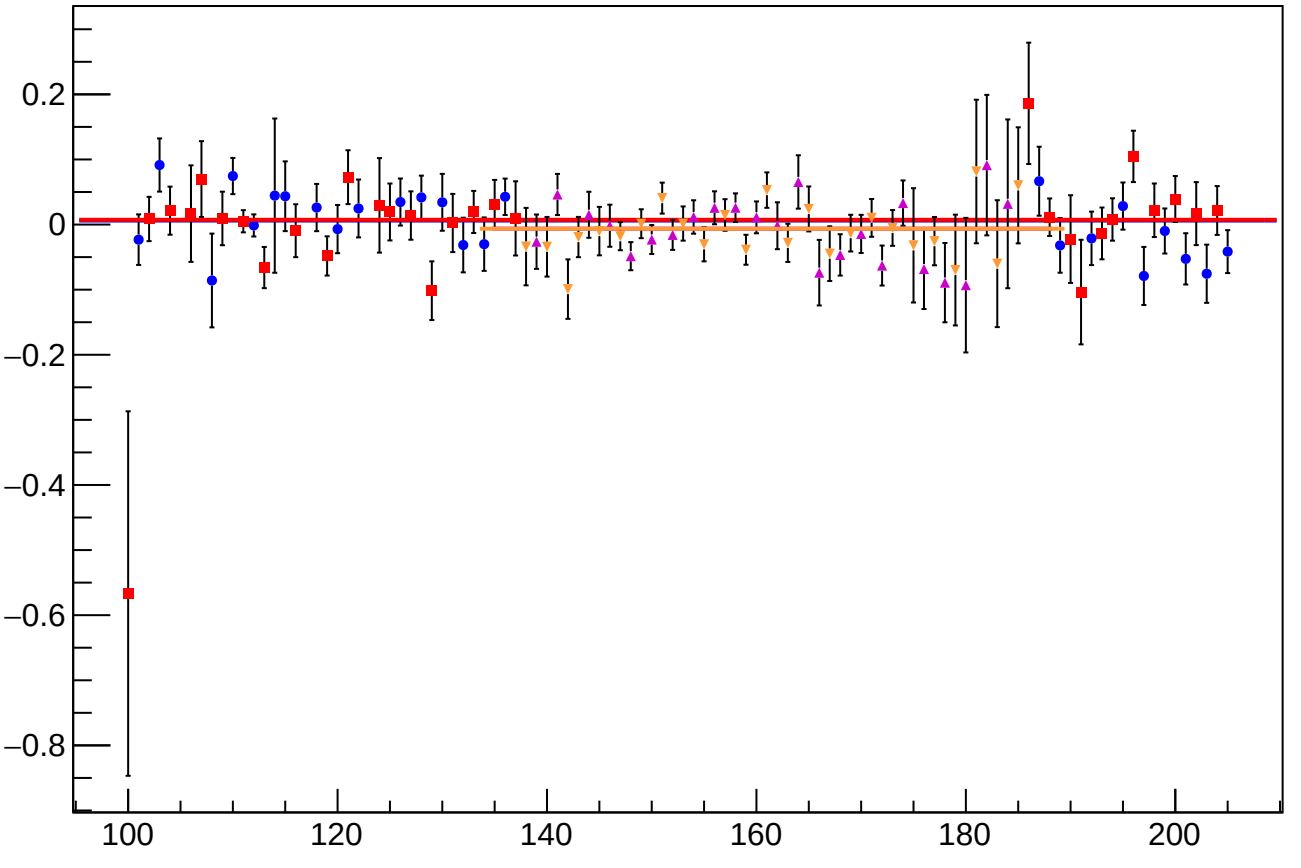
Right Out: 0.001+/-0.000 χ^2/NDF: 8542289.6/29

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 15854327.7/49

All: 0.001+/-0.000 χ^2/NDF: 30471005.3/102

- sign 0.001+/-0.000 χ^2/NDF: 14489089.2/52



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

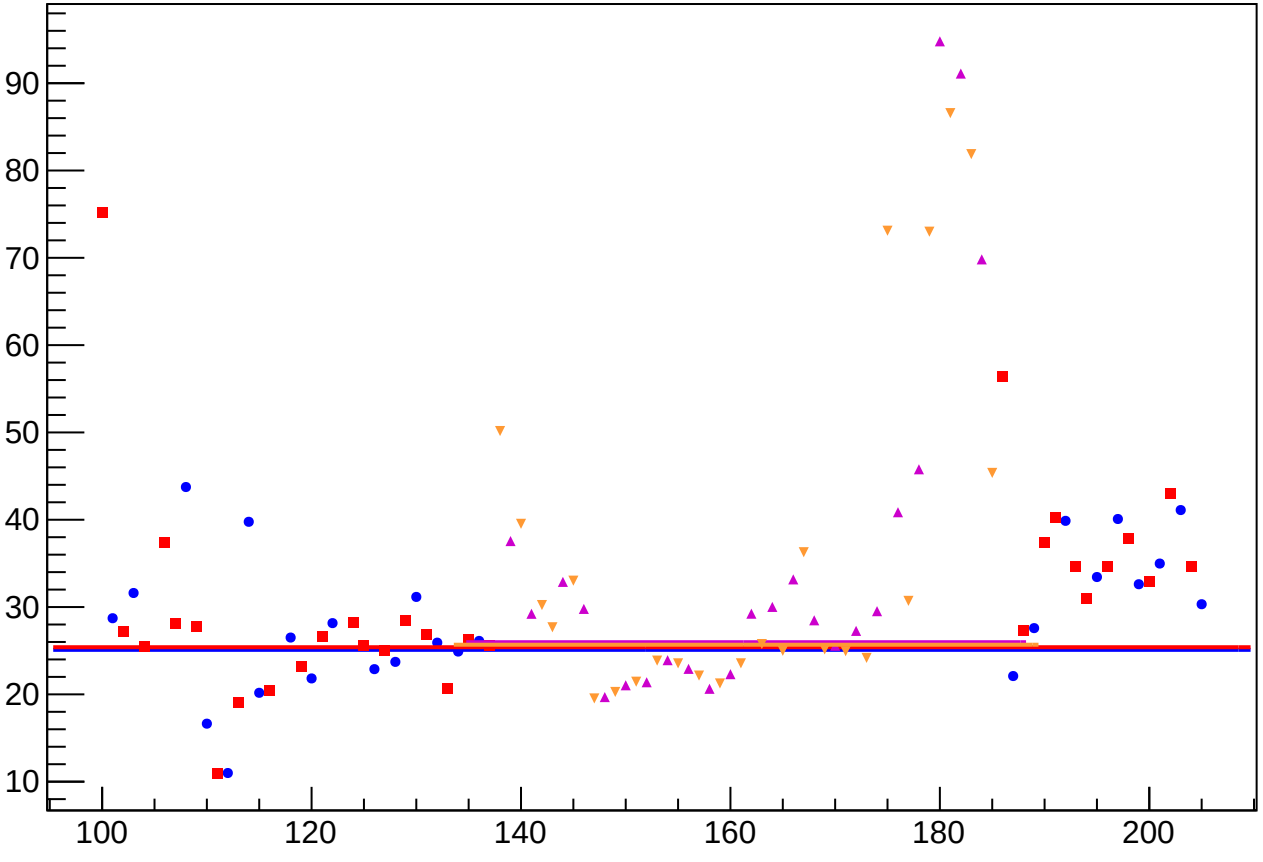
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 125.5/102

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

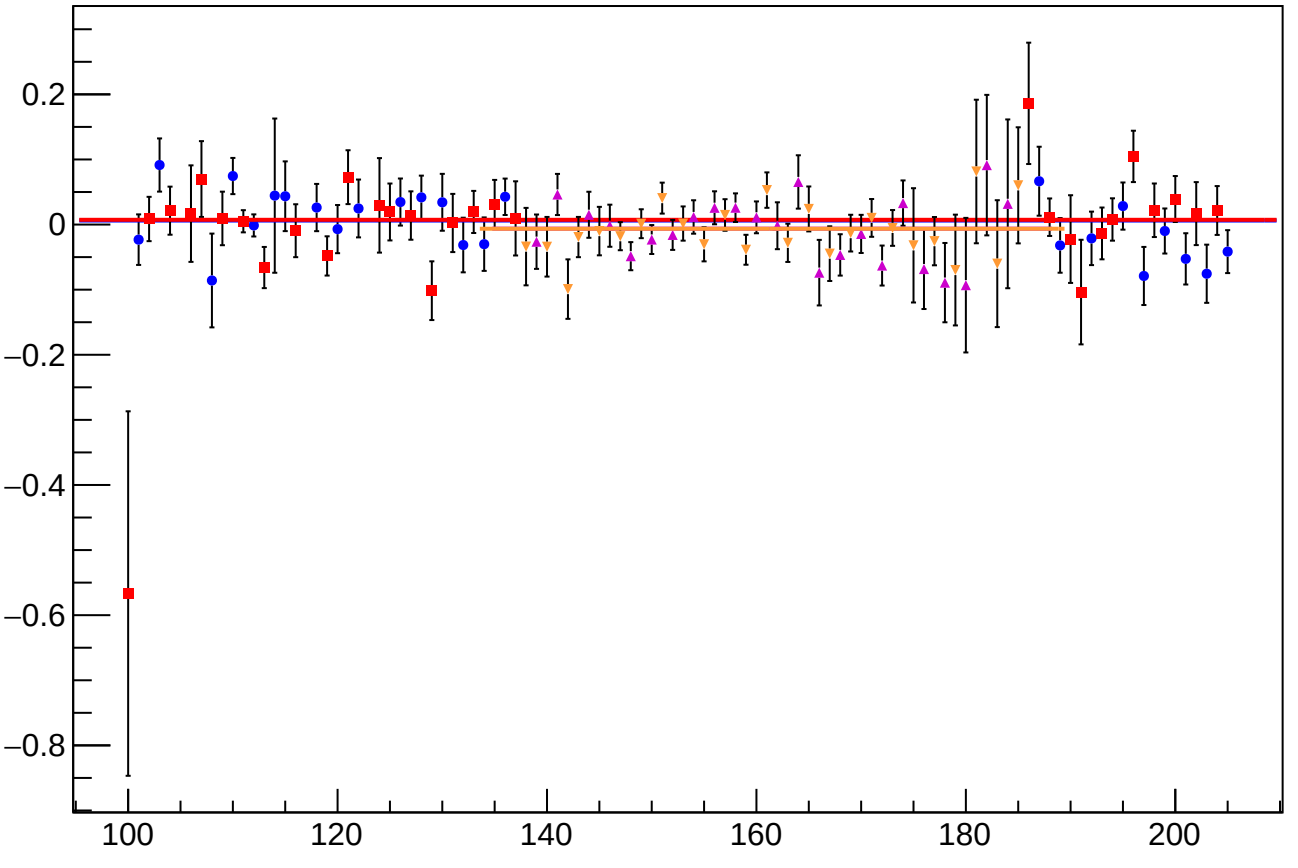
Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.429+/-0.003 χ^2/NDF: 6905265.8/49

All: 25.565+/-0.002 χ^2/NDF: 13091014.1/102

- sign 25.702+/-0.003 χ^2/NDF: 6182532.7/52



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

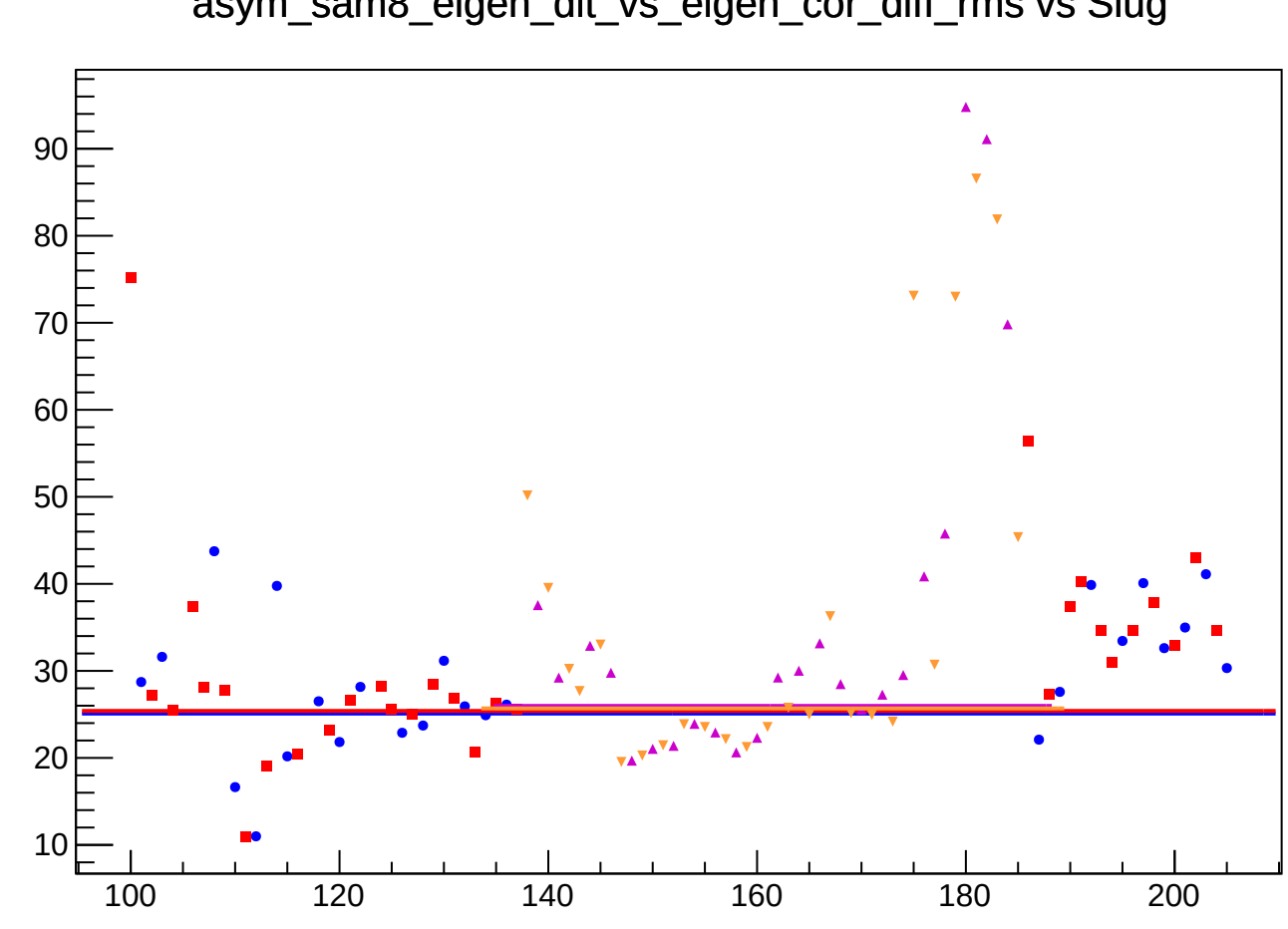
Right Out: 0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 125.5/102

- sign 0.000+/-0.005 χ^2/NDF: 67.3/52



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

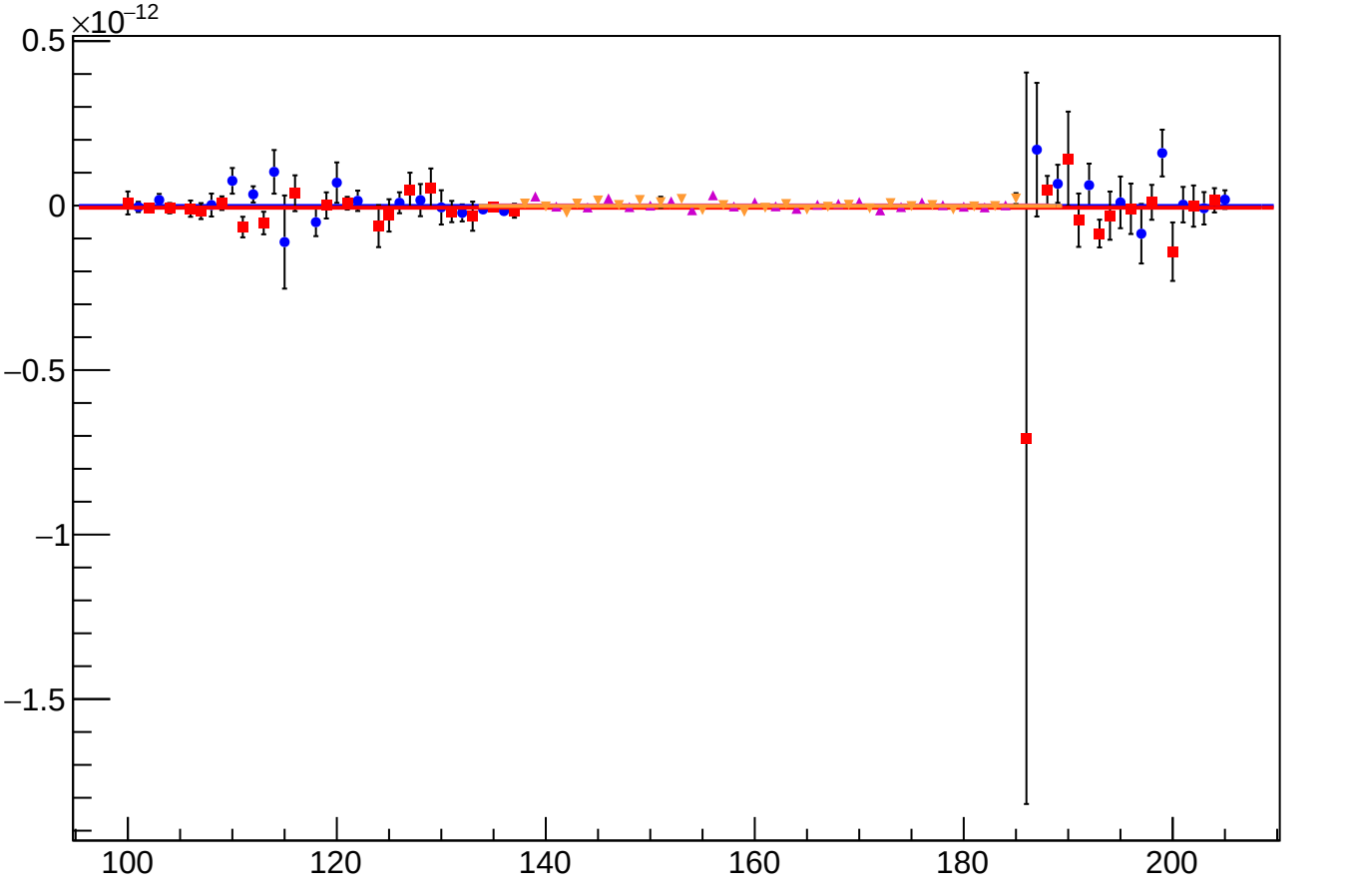
Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.429+/-0.003 χ^2/NDF: 6905265.8/49

All: 25.565+/-0.002 χ^2/NDF: 13091014.1/102

- sign 25.702+/-0.003 χ^2/NDF: 6182532.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

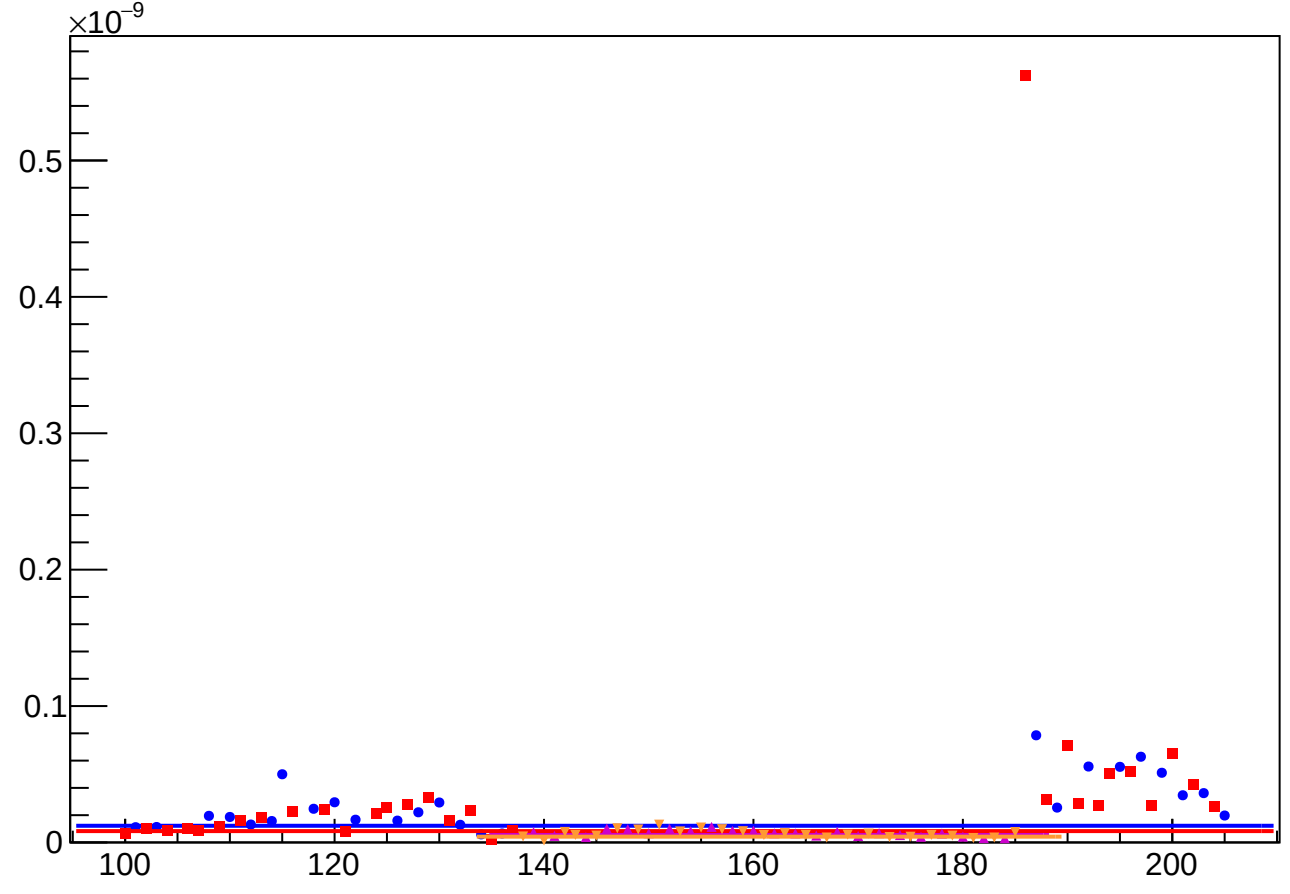
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/29

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/49

All: -0.000+/-0.000 χ^2/NDF: 108.4/102

- sign -0.000+/-0.000 χ^2/NDF: 52.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6175934.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9682992.5/29

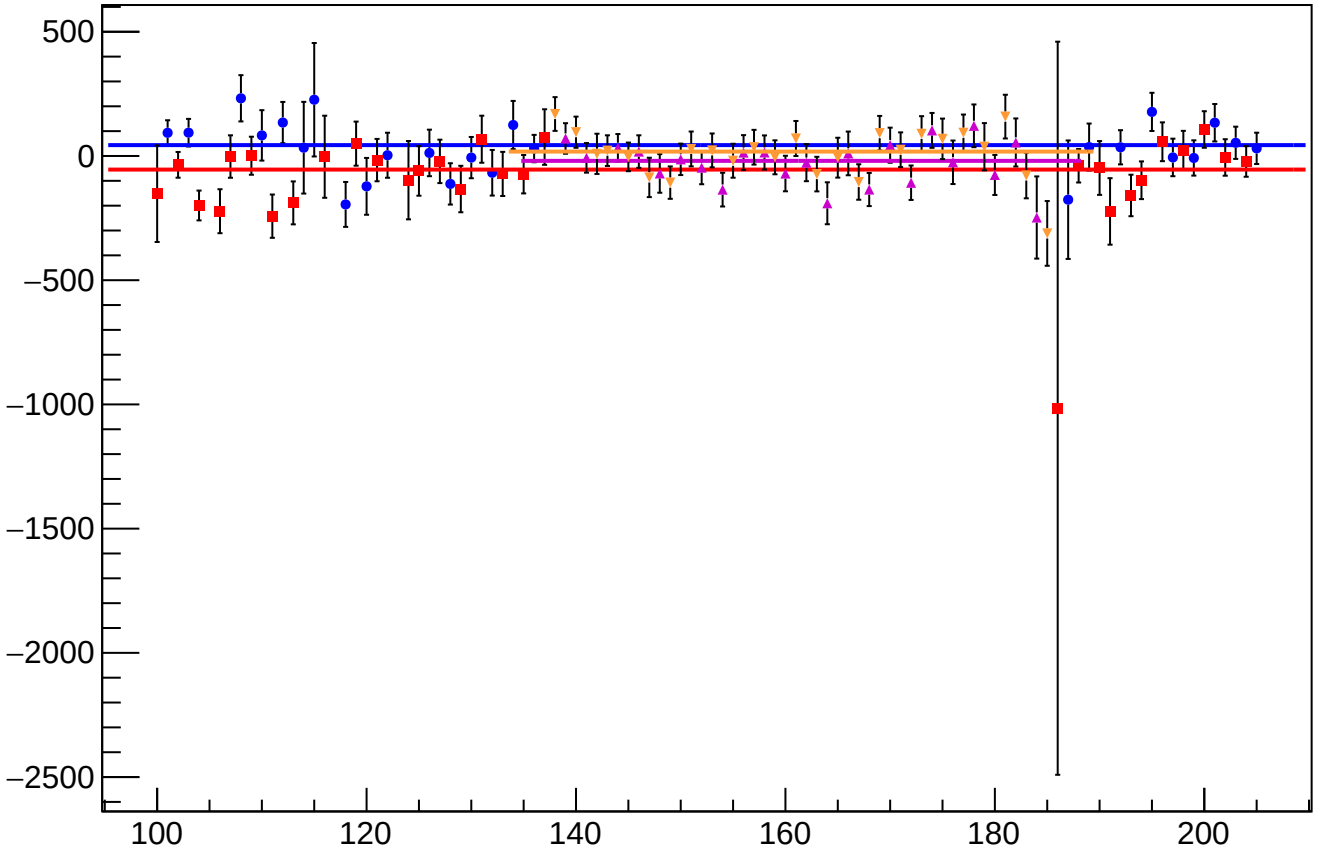
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15877704.7/49

All: 0.000+/-0.000 χ^2/NDF: 29708236.9/102

- sign 0.000+/-0.000 χ^2/NDF: 13294332.5/52

reg_asym_sam_15_avg_mean vs Slug



Right In: 43.740+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.722+/-15.442 χ^2/NDF: 36.0/29

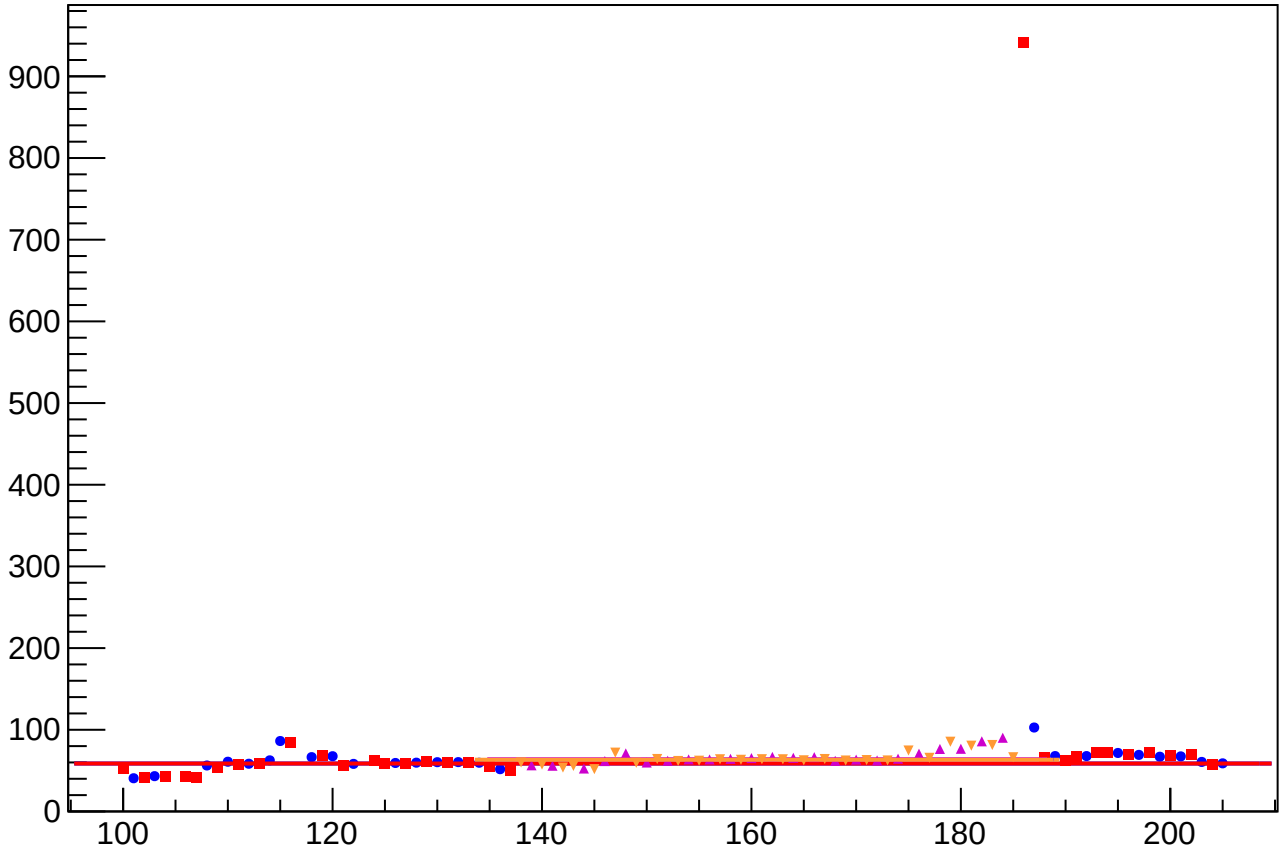
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.562+/-10.716 χ^2/NDF: 62.7/49

All: -3.401+/-7.598 χ^2/NDF: 146.7/102

- sign -36.720+/-10.774 χ^2/NDF: 64.9/52

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.687+/-0.011 χ^2/NDF: 776430.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1647610.8/29

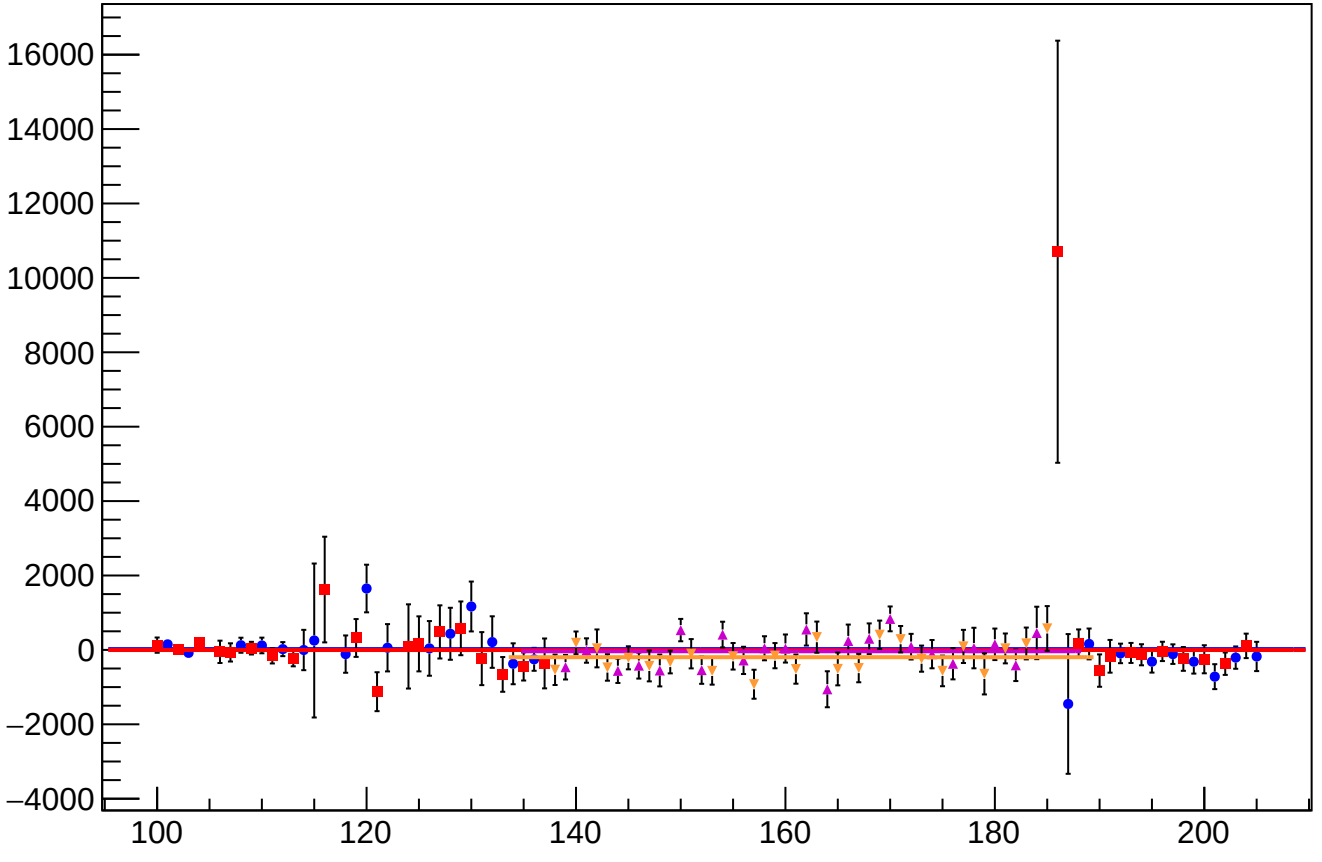
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.215+/-0.008 χ^2/NDF: 1366189.5/49

All: 61.288+/-0.005 χ^2/NDF: 3578011.4/102

- sign 61.361+/-0.008 χ^2/NDF: 2211636.7/52

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 20.843+/-42.804 χ^2/NDF: 26.0/24

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -3.558+/-45.109 χ^2/NDF: 26.9/29

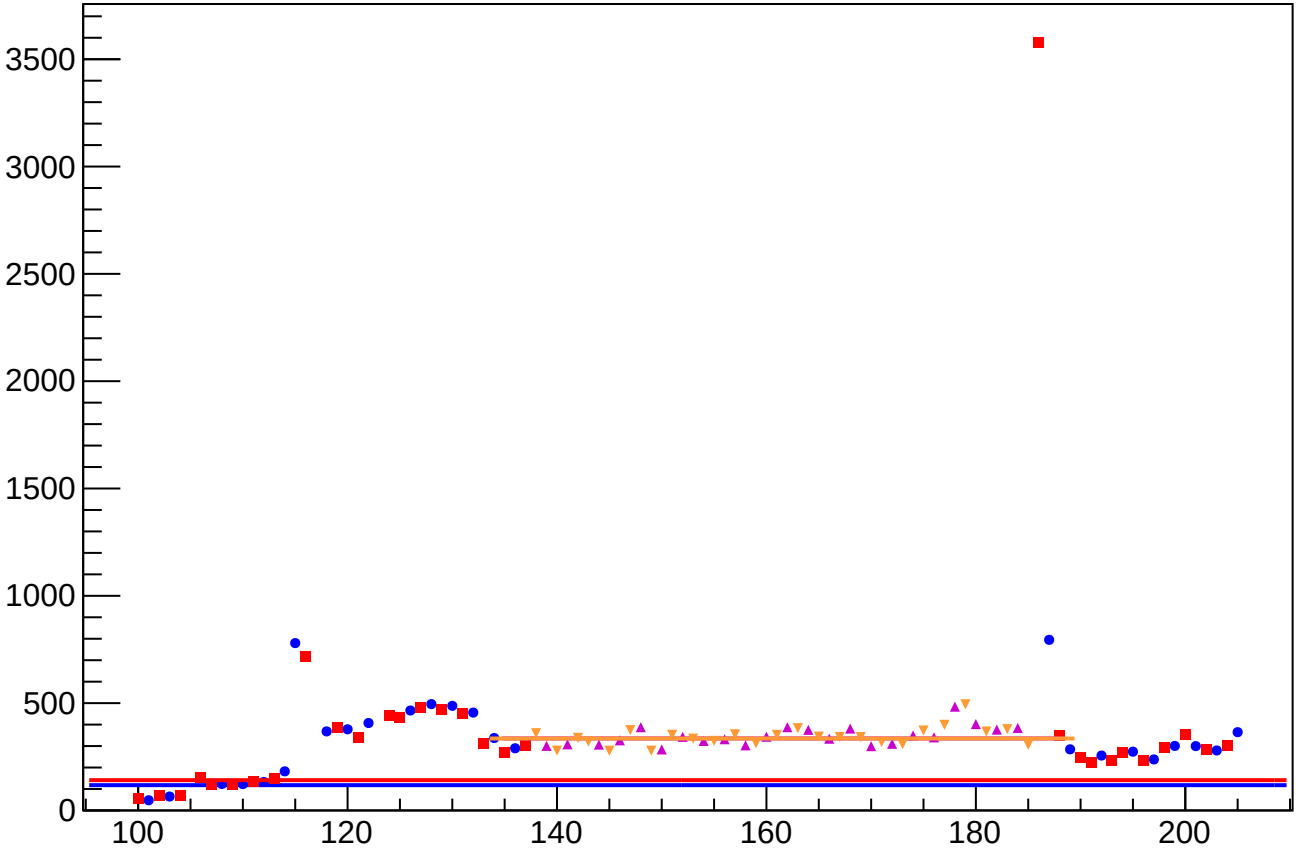
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -30.246+/-37.422 χ^2/NDF: 52.6/49

All: -21.357+/-27.068 χ^2/NDF: 110.8/102

- sign -11.605+/-39.198 χ^2/NDF: 58.1/52

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 117.825+/-0.030 χ^2/NDF: 12162696.0/24

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 141.114+/-0.032 χ^2/NDF: 10694094.8/29

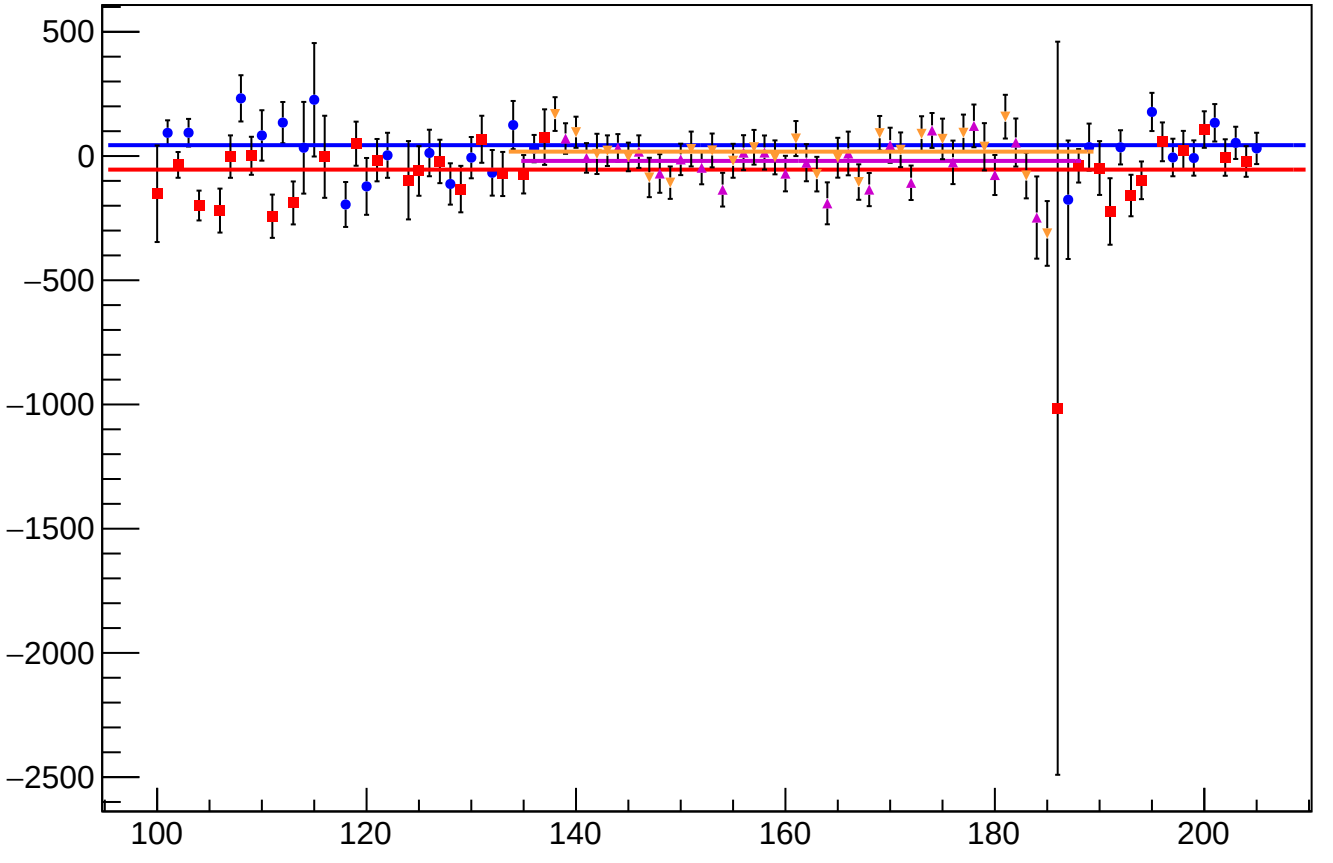
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 169.068+/-0.026 χ^2/NDF: 24889643.4/49

All: 178.441+/-0.019 χ^2/NDF: 45439597.5/10

- sign 188.724+/-0.028 χ^2/NDF: 20286848.8/52

cor_asym_sam_15_avg_mean vs Slug



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.639+/-15.442 χ^2/NDF: 35.9/29

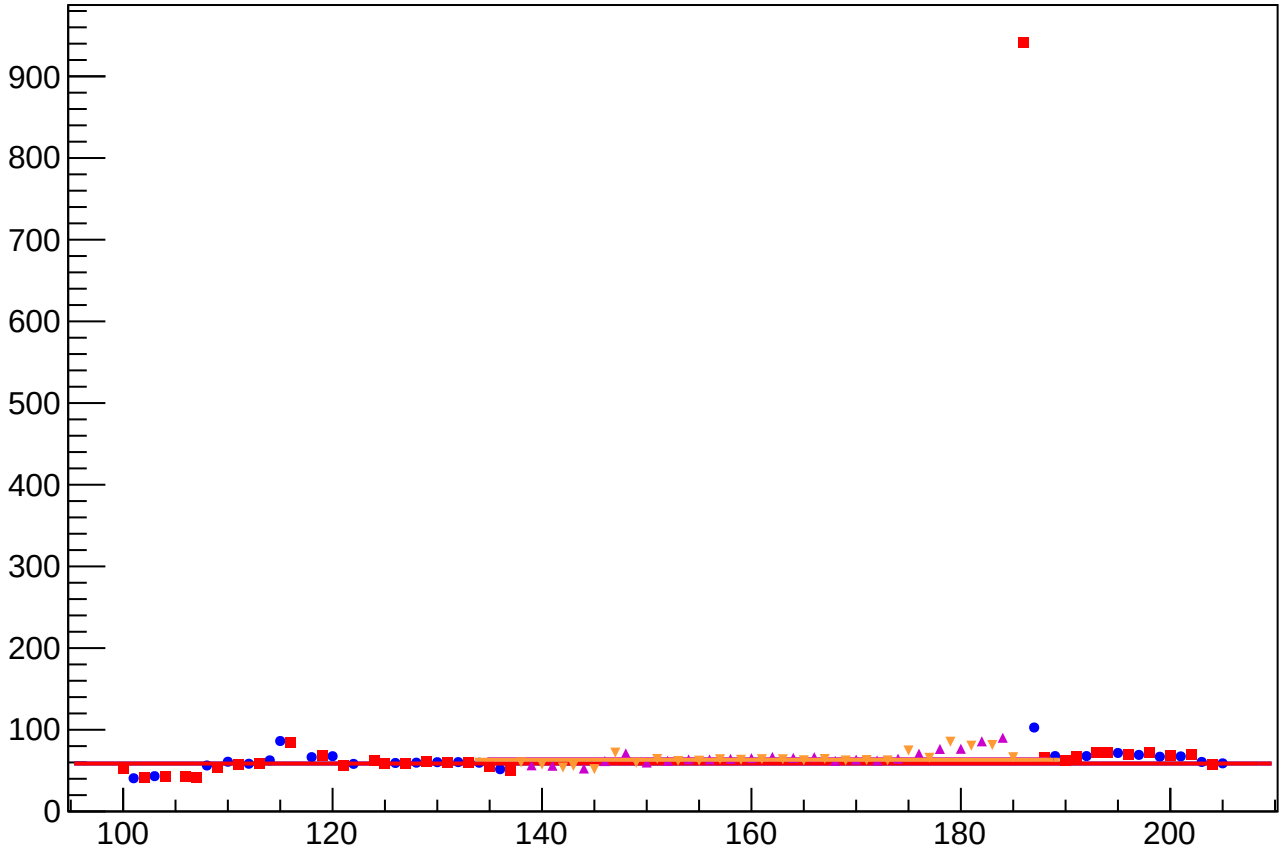
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.567+/-10.716 χ^2/NDF: 62.7/49

All: -3.377+/-7.598 χ^2/NDF: 146.5/102

- sign -36.679+/-10.774 χ^2/NDF: 64.8/52

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

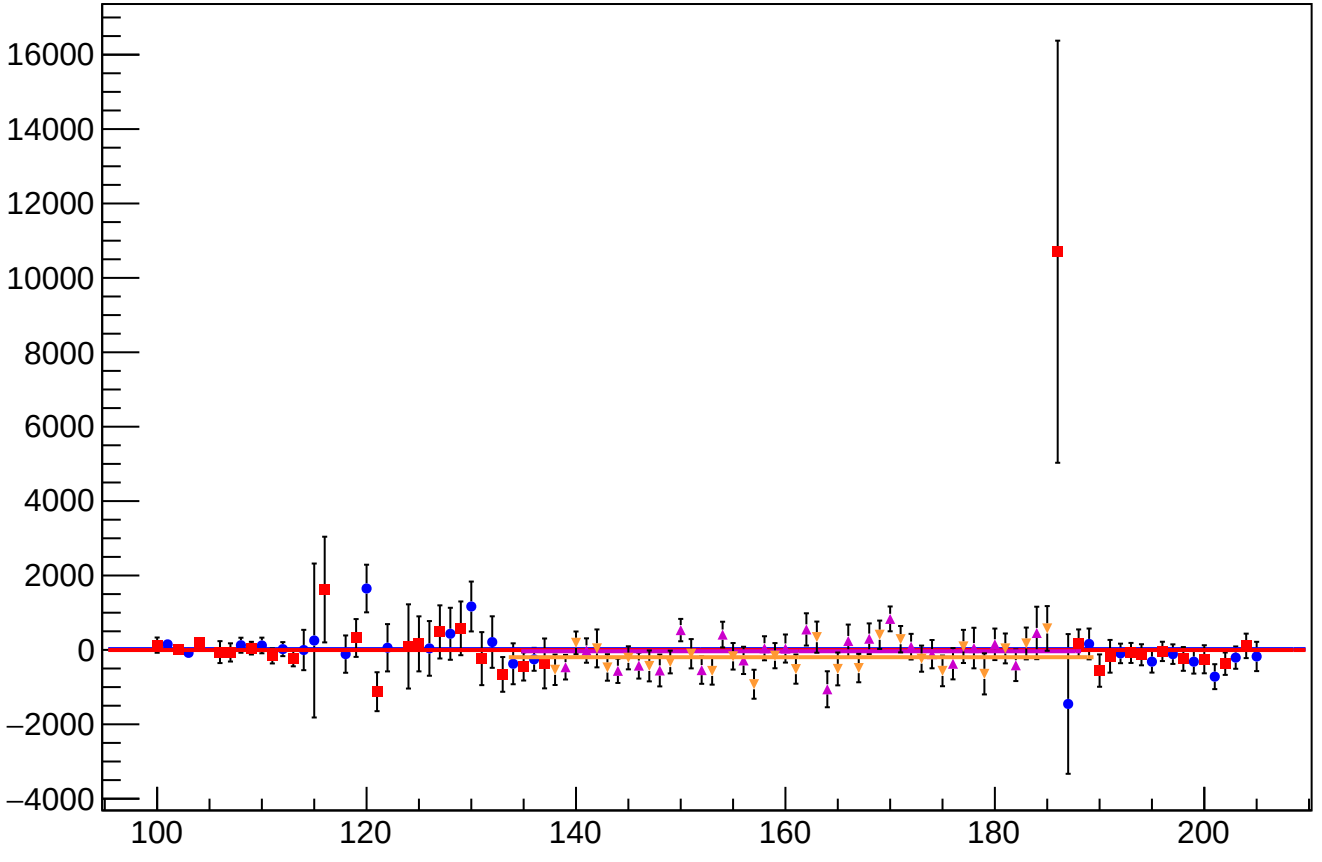
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.215+/-0.008 χ^2/NDF: 1366188.4/49

All: 61.288+/-0.005 χ^2/NDF: 3578459.5/102

\- sign 61.361+/-0.008 χ^2/NDF: 2212086.7/52

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -3.873+/-45.078 χ^2/NDF: 26.9/29

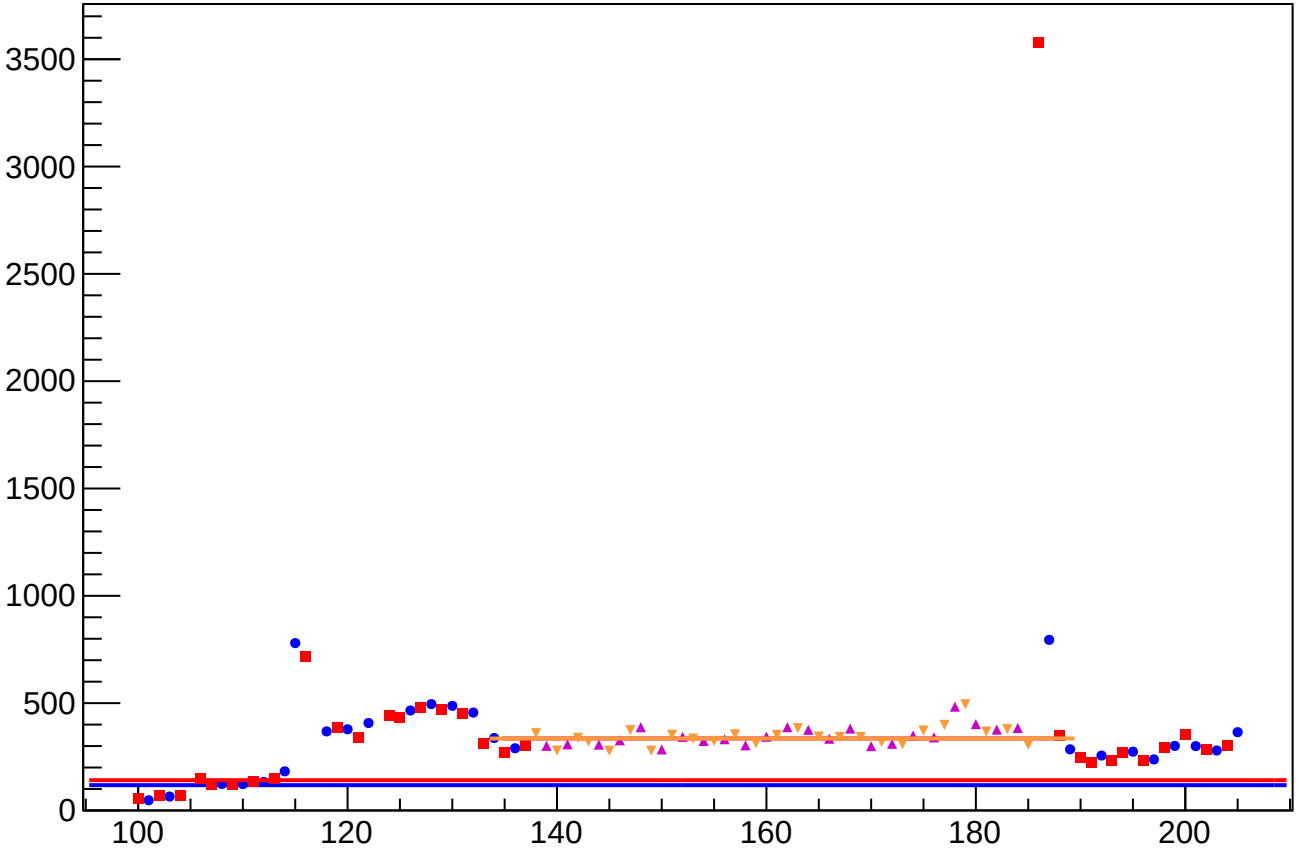
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -30.240+/-37.422 χ^2/NDF: 52.6/49

All: -21.458+/-27.061 χ^2/NDF: 110.8/102

- sign -11.834+/-39.178 χ^2/NDF: 58.1/52

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

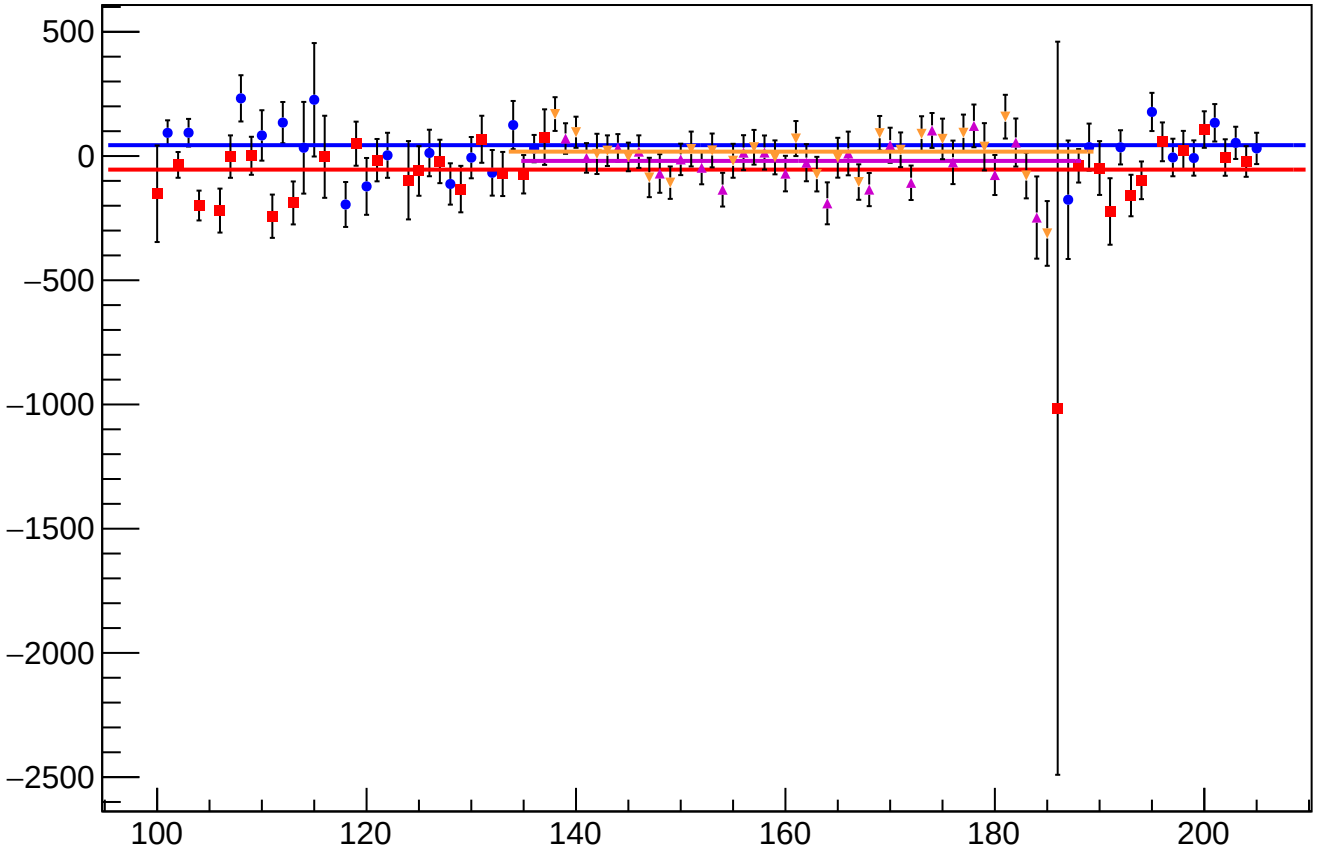
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 169.064+/-0.026 χ^2/NDF: 24890373.2/49

All: 178.352+/-0.019 χ^2/NDF: 45458877.3/10

- sign 188.532+/-0.028 χ^2/NDF: 20310256.6/52

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.639+/-15.442 χ^2/NDF: 35.9/29

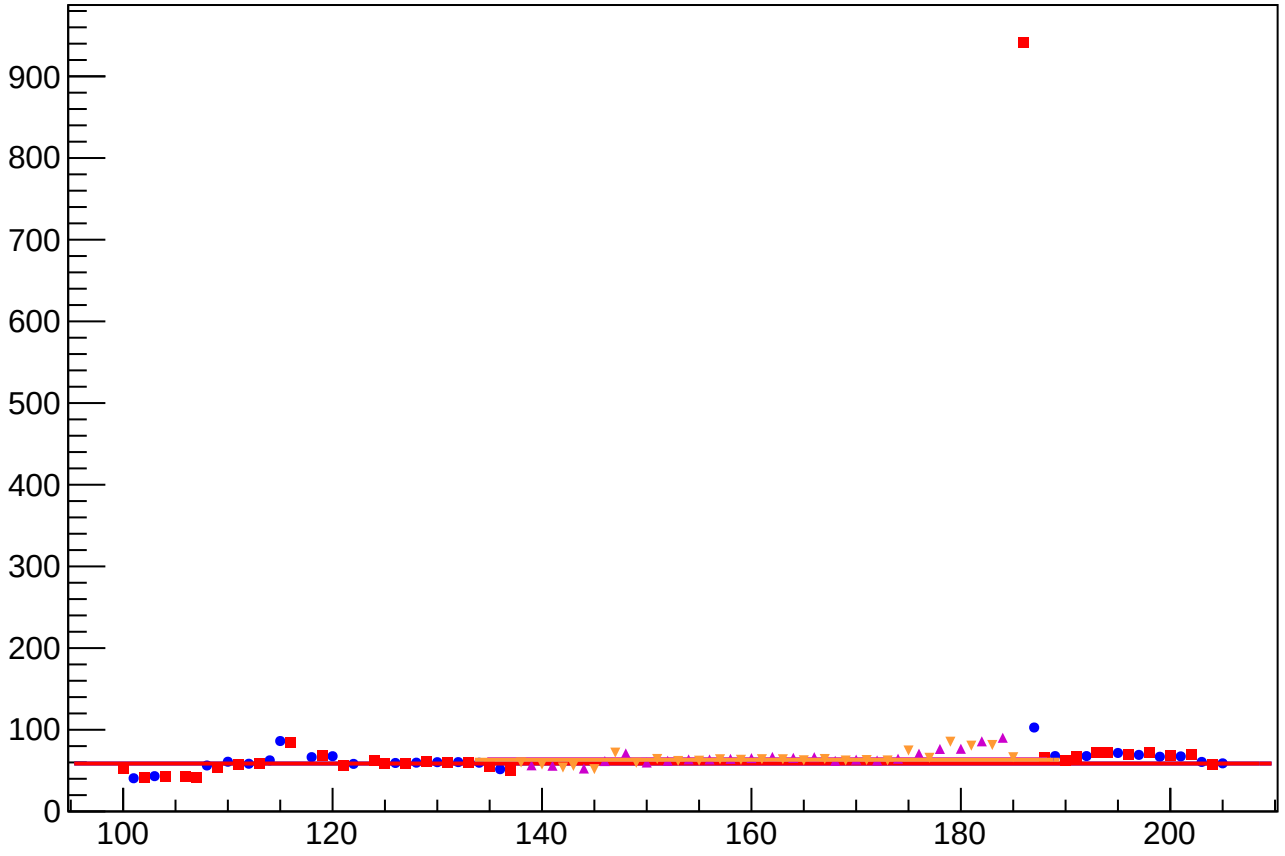
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.567+/-10.716 χ^2/NDF: 62.7/49

All: -3.377+/-7.598 χ^2/NDF: 146.5/102

- sign -36.679+/-10.774 χ^2/NDF: 64.8/52

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

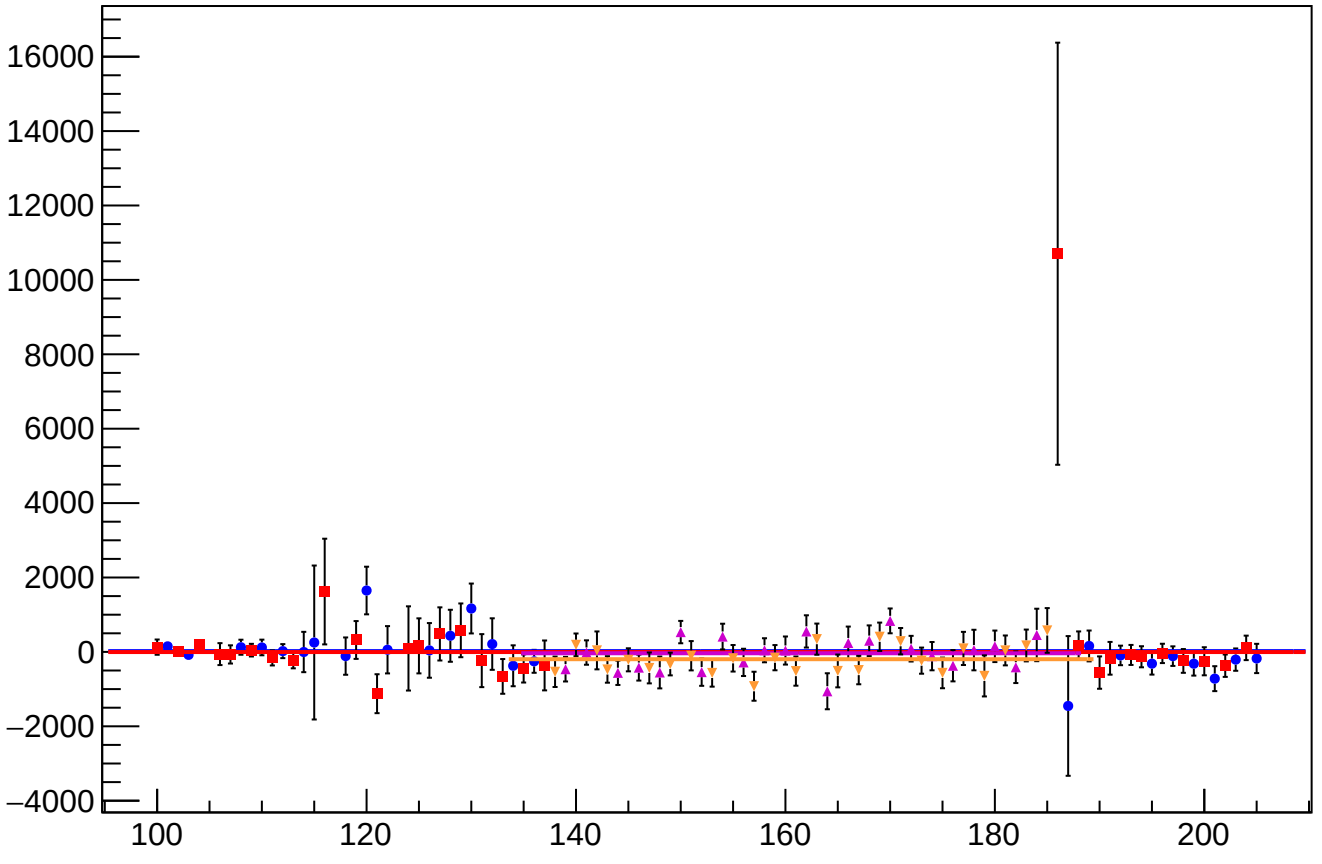
Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.215+/-0.008 χ^2/NDF: 1366188.4/49

All: 61.288+/-0.005 χ^2/NDF: 3578459.5/102

- sign 61.361+/-0.008 χ^2/NDF: 2212086.7/52



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

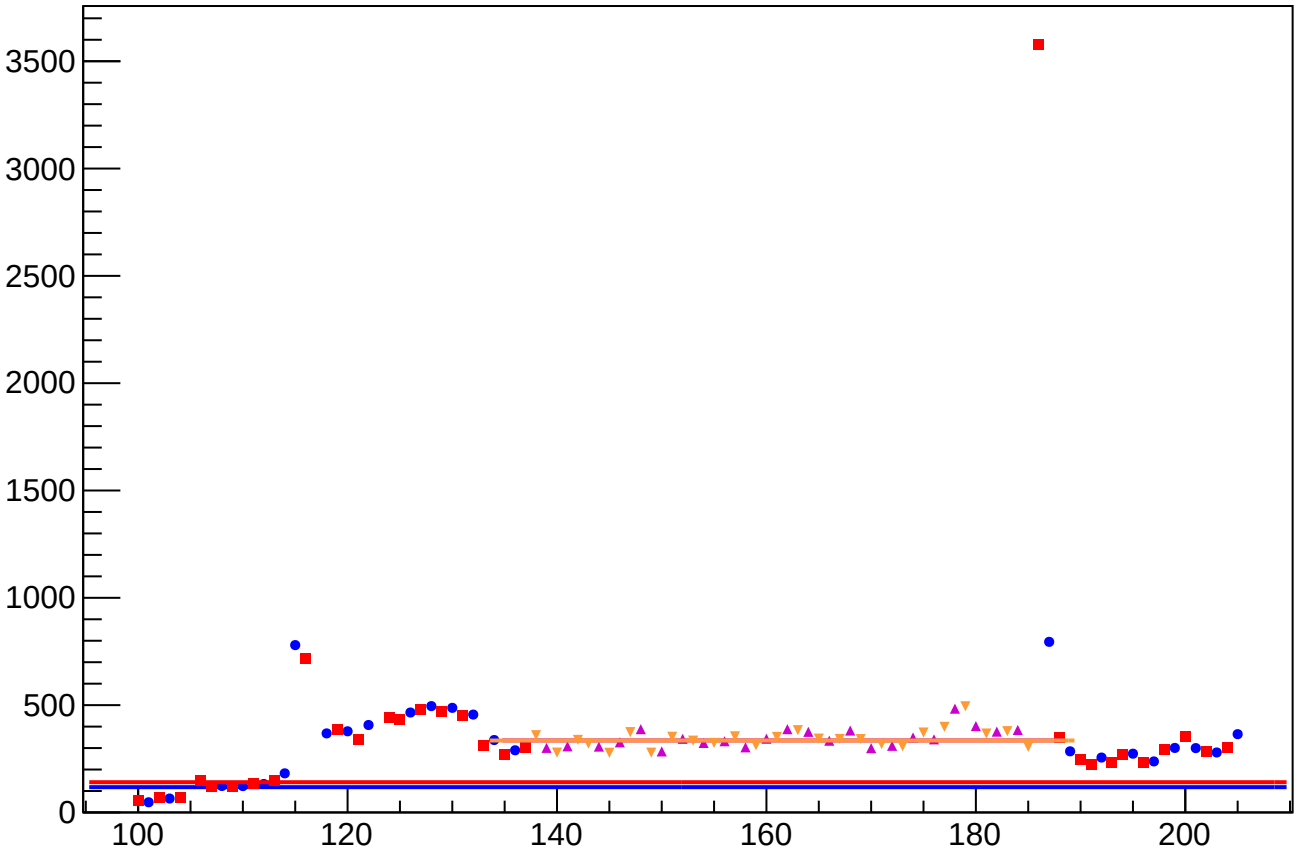
Right Out: -3.873+/-45.078 χ^2/NDF: 26.9/29

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -30.240+/-37.422 χ^2/NDF: 52.6/49

All: -21.458+/-27.061 χ^2/NDF: 110.8/102

- sign -11.834+/-39.178 χ^2/NDF: 58.1/52



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

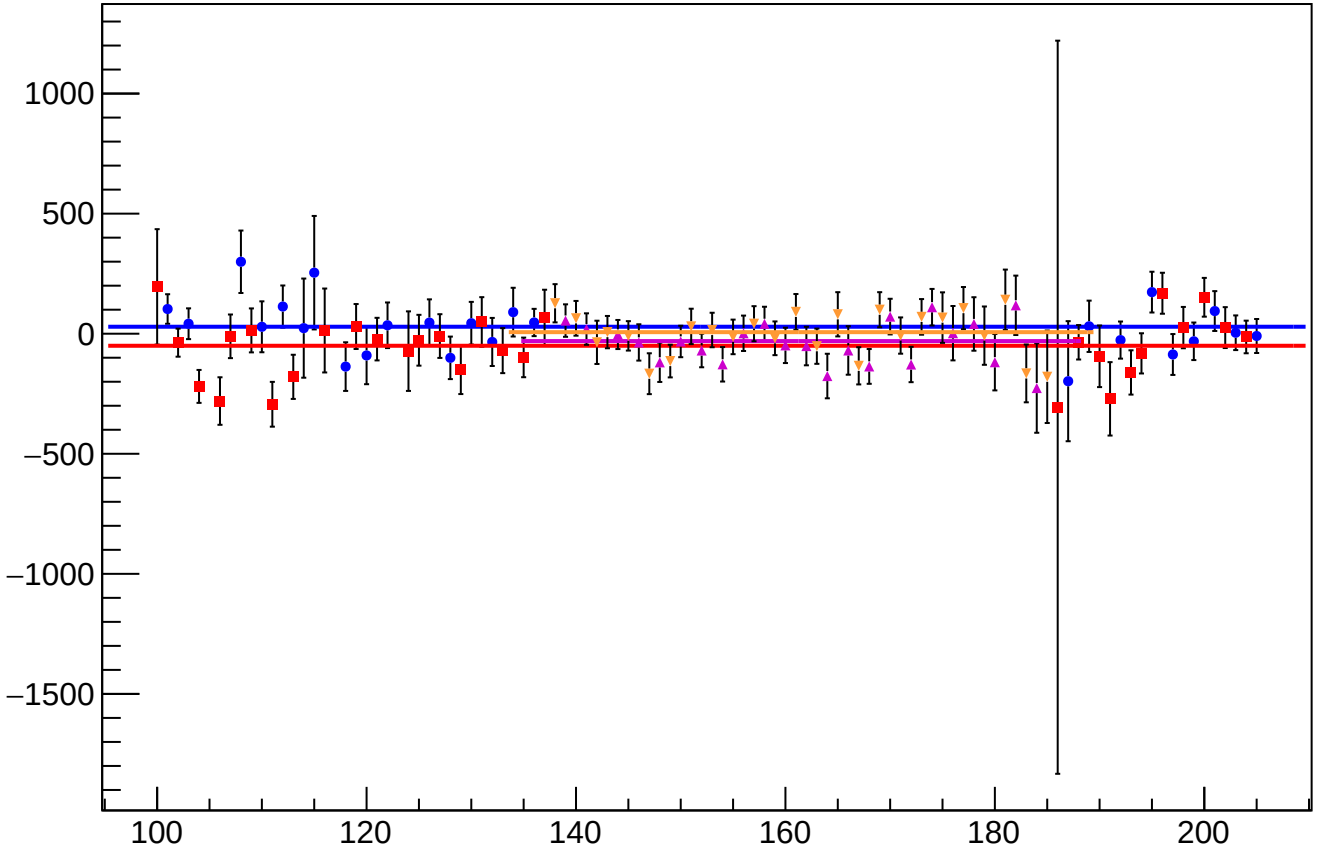
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 169.064+/-0.026 χ^2/NDF: 24890373.2/49

All: 178.352+/-0.019 χ^2/NDF: 45458877.3/10

- sign 188.532+/-0.028 χ^2/NDF: 20310256.6/52

dit_asym_sam_15_avg_mean vs Slug



Right In: 29.040+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -50.220+/-16.934 χ^2/NDF: 45.2/29

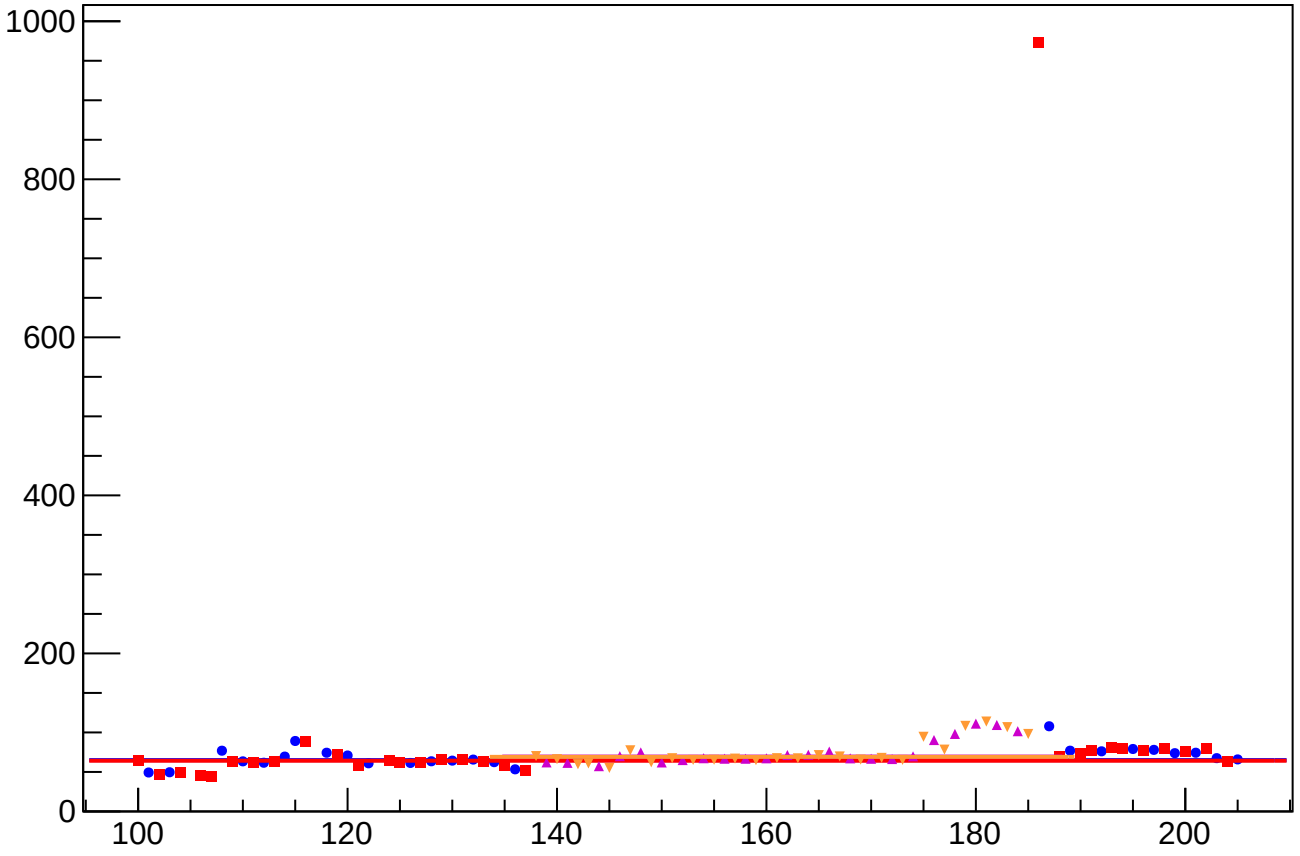
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.654+/-11.836 χ^2/NDF: 48.0/49

All: -11.808+/-8.363 χ^2/NDF: 127.9/102

- sign -40.189+/-11.819 χ^2/NDF: 68.3/52

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.977+/-0.012 χ^2/NDF: 681216.9/24

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.0/29

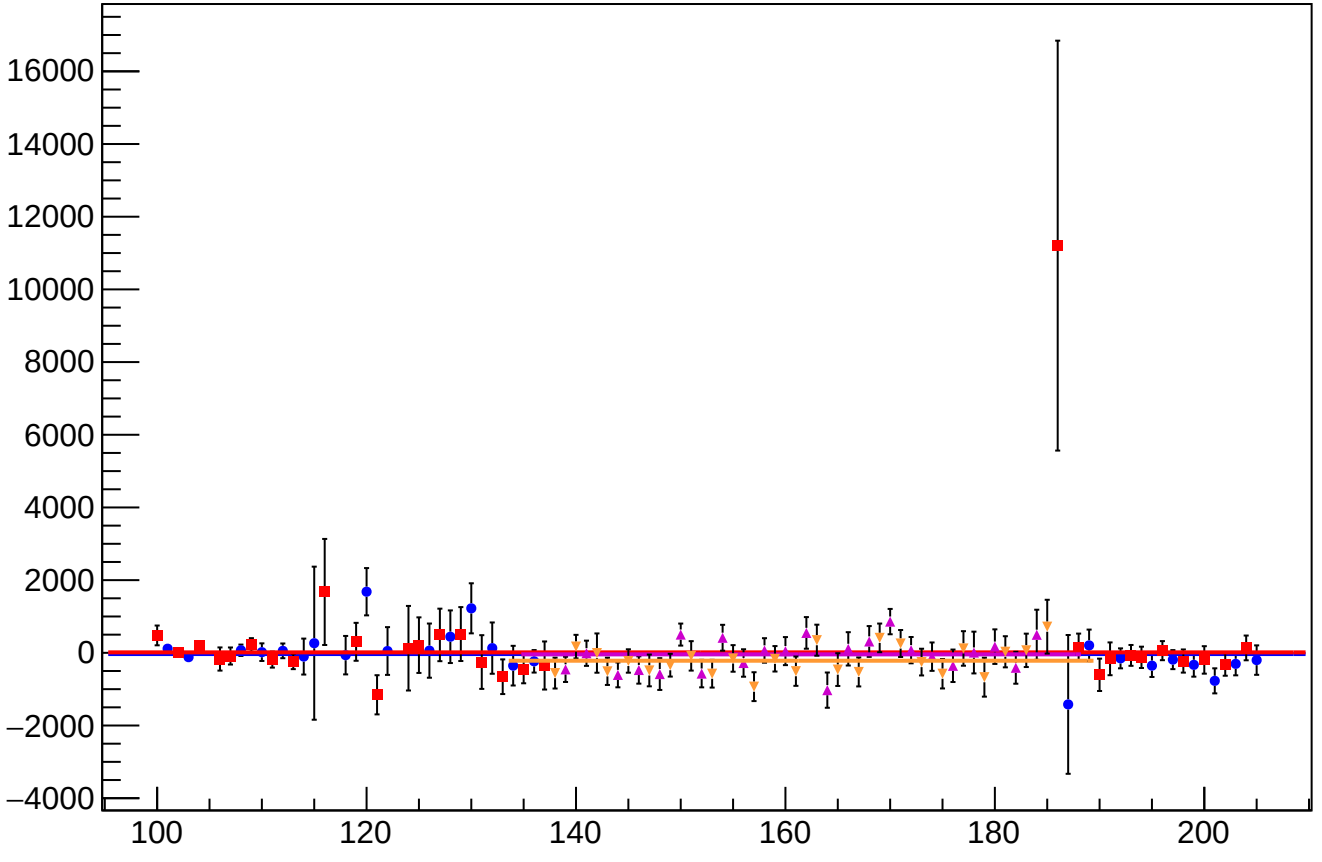
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.228+/-0.008 χ^2/NDF: 1814679.3/49

All: 67.060+/-0.006 χ^2/NDF: 4471151.9/102

- sign 66.892+/-0.008 χ^2/NDF: 2655666.6/52

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -33.617+/-48.450 χ^2/NDF: 24.4/24

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 12.876+/-47.431 χ^2/NDF: 30.5/29

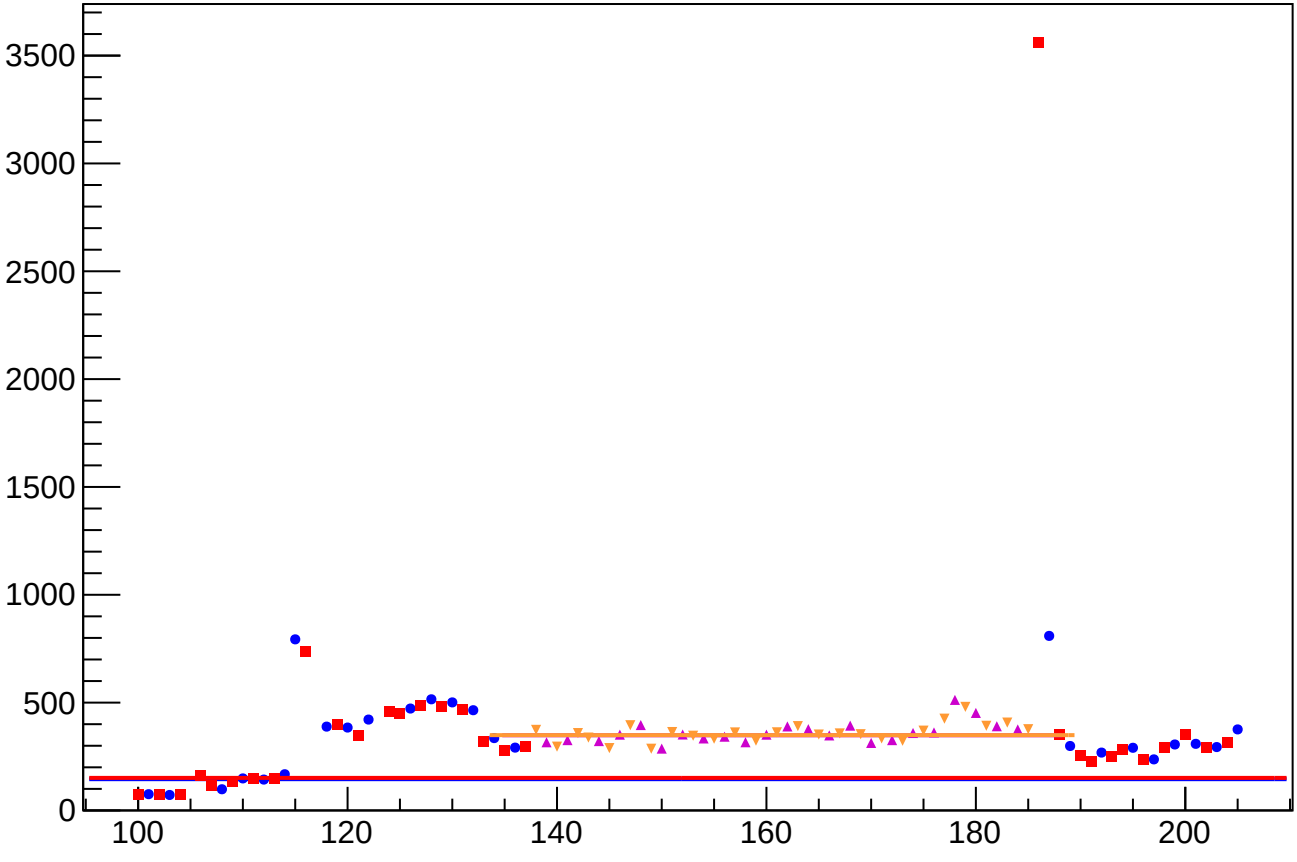
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -82.802+/-41.461 χ^2/NDF: 47.5/49

All: -41.380+/-29.185 χ^2/NDF: 110.3/102

- sign -0.696+/-41.089 χ^2/NDF: 60.8/52

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 145.039+/-0.034 χ^2/NDF: 9943452.2/24

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145817.9/29

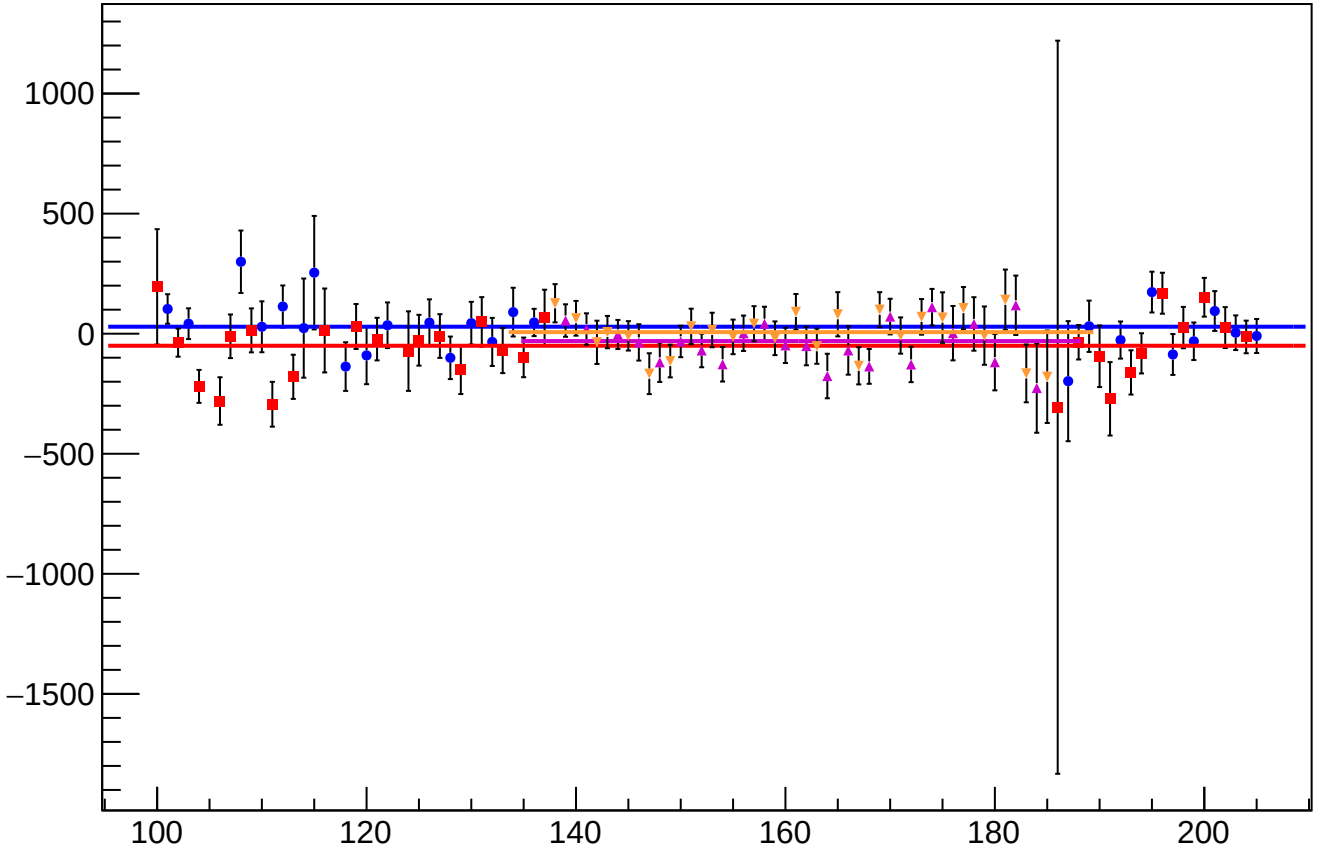
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 199.686+/-0.029 χ^2/NDF: 19972286.5/49

All: 199.993+/-0.021 χ^2/NDF: 39302442.6/10

- sign 200.295+/-0.029 χ^2/NDF: 19329938.6/52

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 29.039+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -50.220+/-16.934 χ^2/NDF: 45.2/29

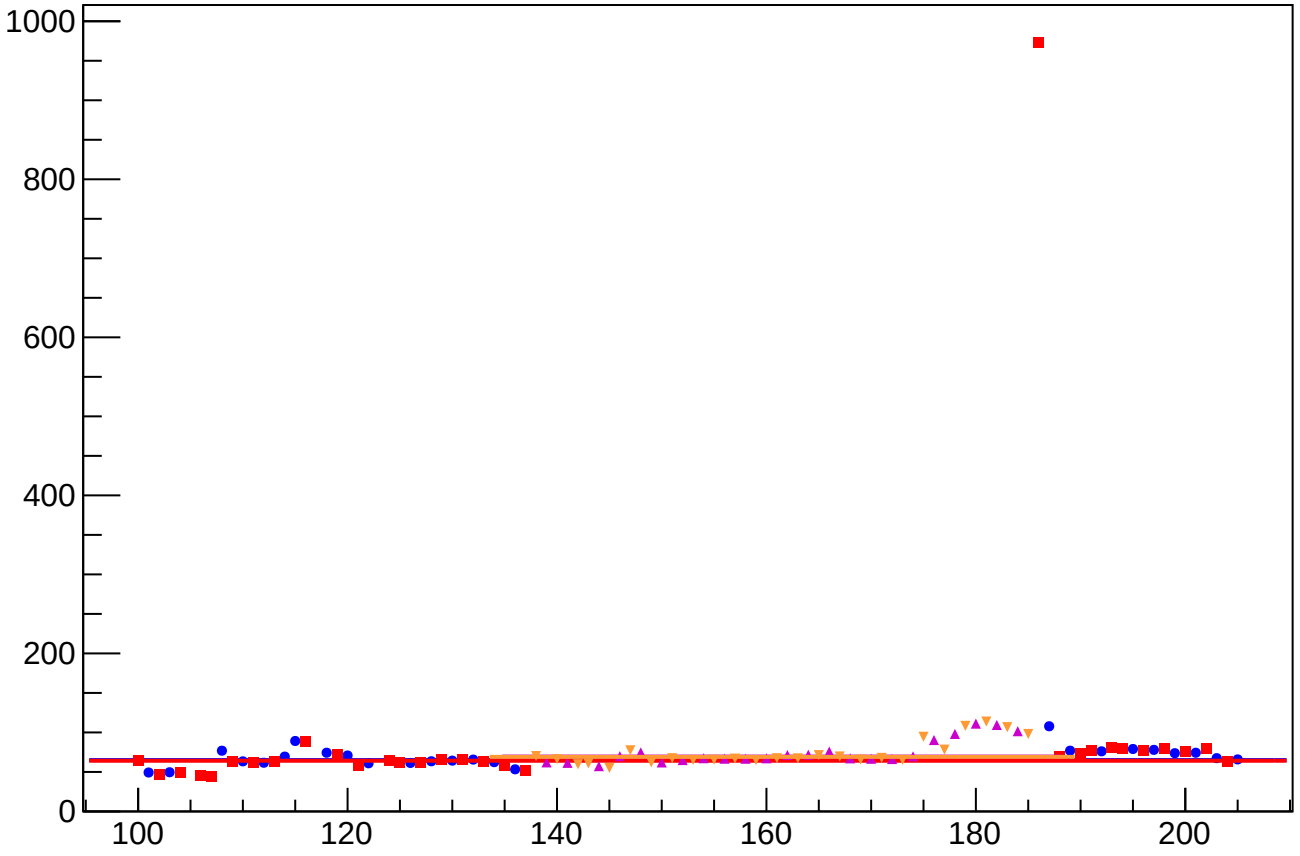
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.654+/-11.836 χ^2/NDF: 48.0/49

All: -11.808+/-8.363 χ^2/NDF: 127.9/102

- sign -40.189+/-11.819 χ^2/NDF: 68.3/52

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.977+/-0.012 χ^2/NDF: 681217.1/24

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.1/29

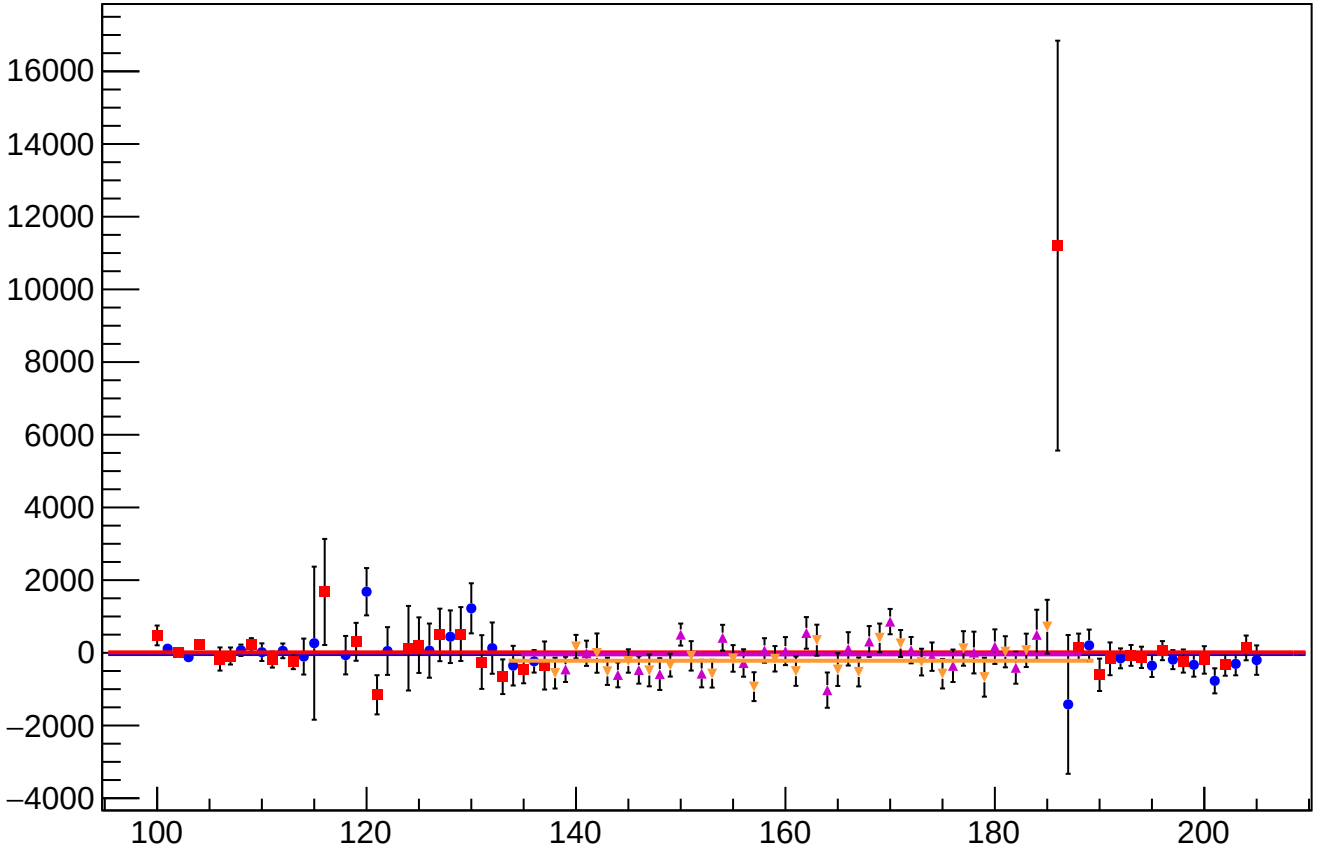
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.228+/-0.008 χ^2/NDF: 1814666.4/49

All: 67.060+/-0.006 χ^2/NDF: 4471130.9/102

- sign 66.892+/-0.008 χ^2/NDF: 2655658.6/52

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -33.617+/-48.449 χ^2/NDF: 24.4/24

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

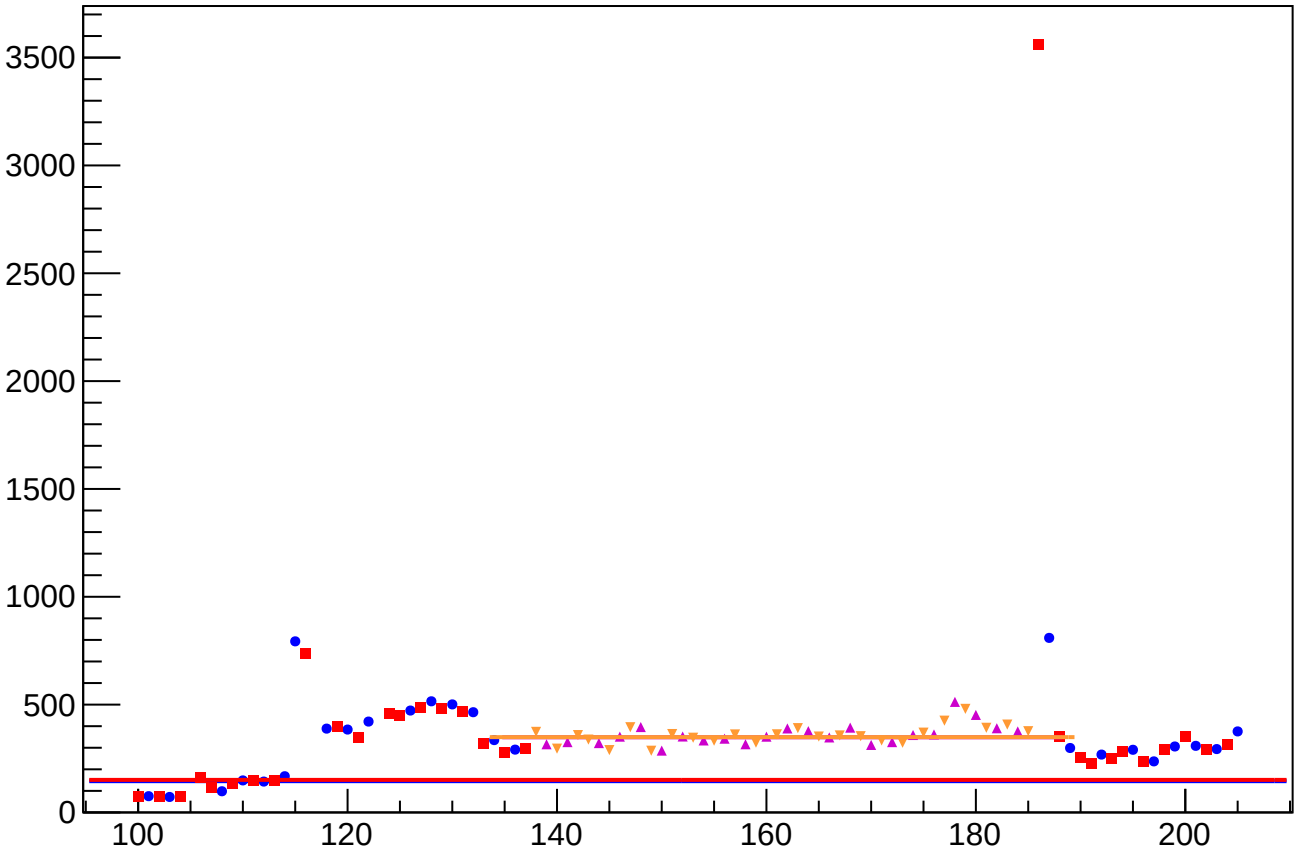
Right Out: 12.876+/-47.431 χ^2/NDF: 30.5/29

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -82.801+/-41.461 χ^2/NDF: 47.5/49

All: -41.379+/-29.185 χ^2/NDF: 110.3/102

- sign -0.695+/-41.089 χ^2/NDF: 60.8/52



Right In: 145.039+/-0.034 χ^2/NDF: 9943467.4/24

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145863.7/29

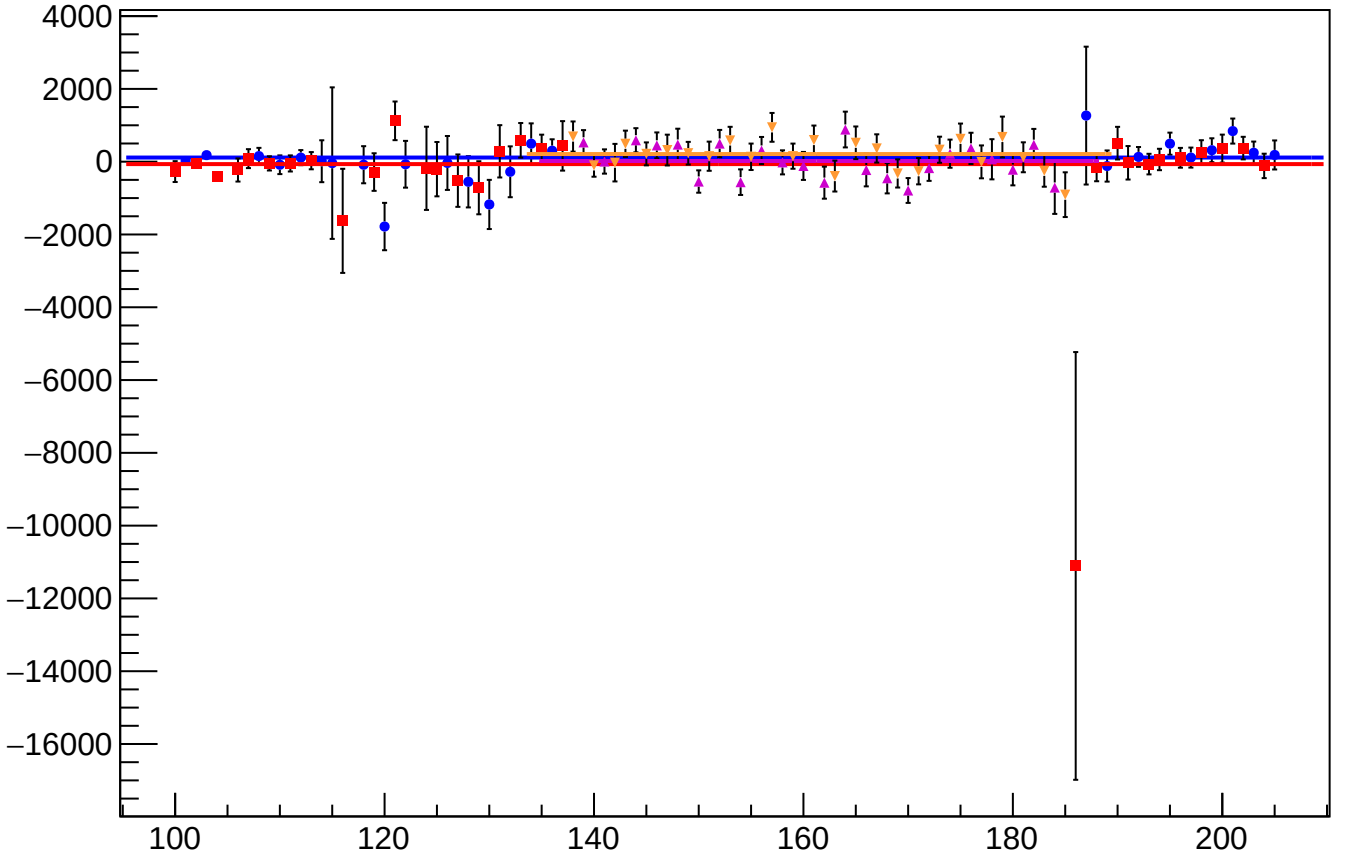
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 199.686+/-0.029 χ^2/NDF: 19972358.0/49

All: 199.993+/-0.021 χ^2/NDF: 39302630.3/10

- sign 200.295+/-0.029 χ^2/NDF: 19330054.9/52

asym_sam_15_avg_mean vs Slug



Right In: 113.928+/-52.450 χ^2/NDF: 23.7/24

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -66.282+/-50.797 χ^2/NDF: 32.1/29

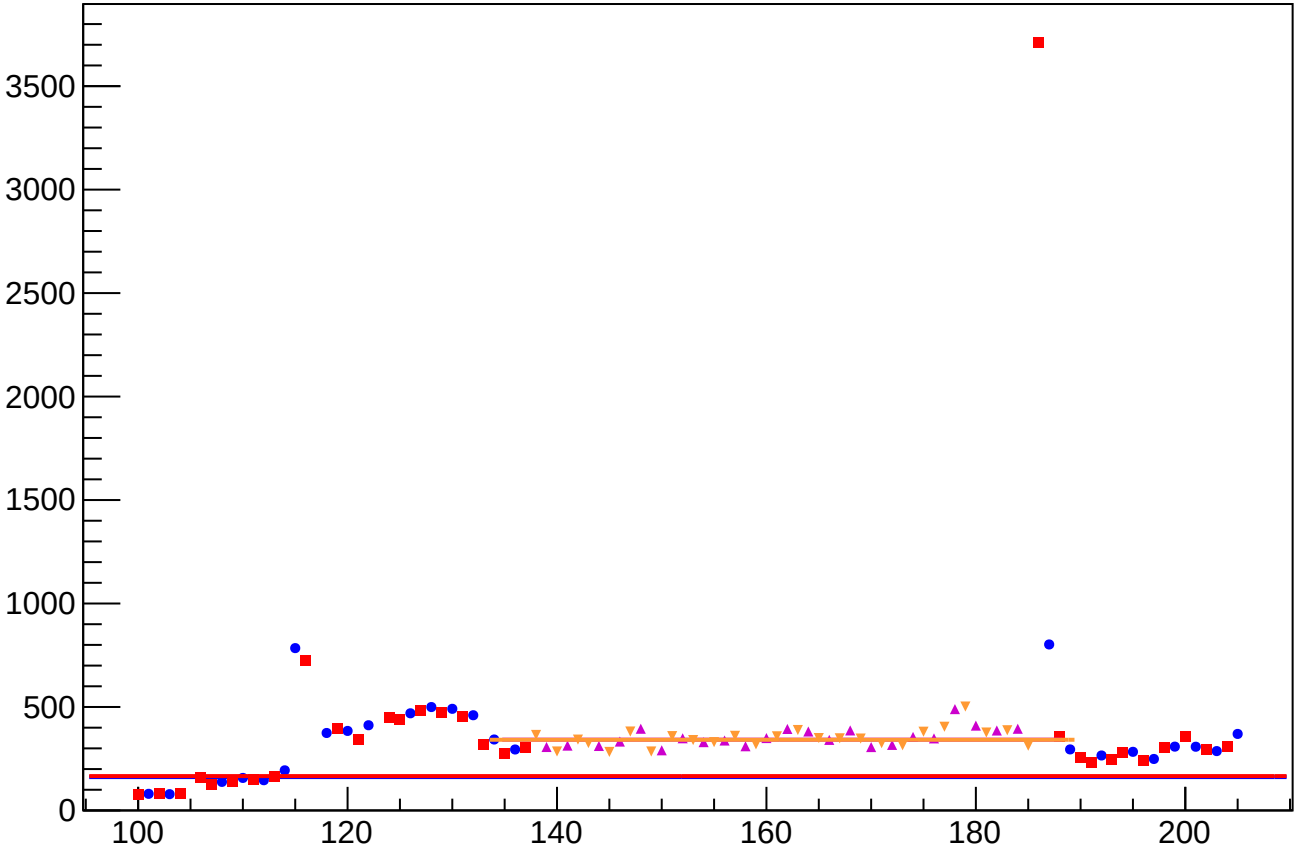
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 143.519+/-43.613 χ^2/NDF: 46.1/49

All: 49.344+/-30.616 χ^2/NDF: 120.2/102

- sign -42.155+/-42.989 χ^2/NDF: 64.9/52

asym_sam_15_avg_rms vs Slug



Right In: 161.294+/-0.037 χ^2/NDF: 8813720.8/24

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

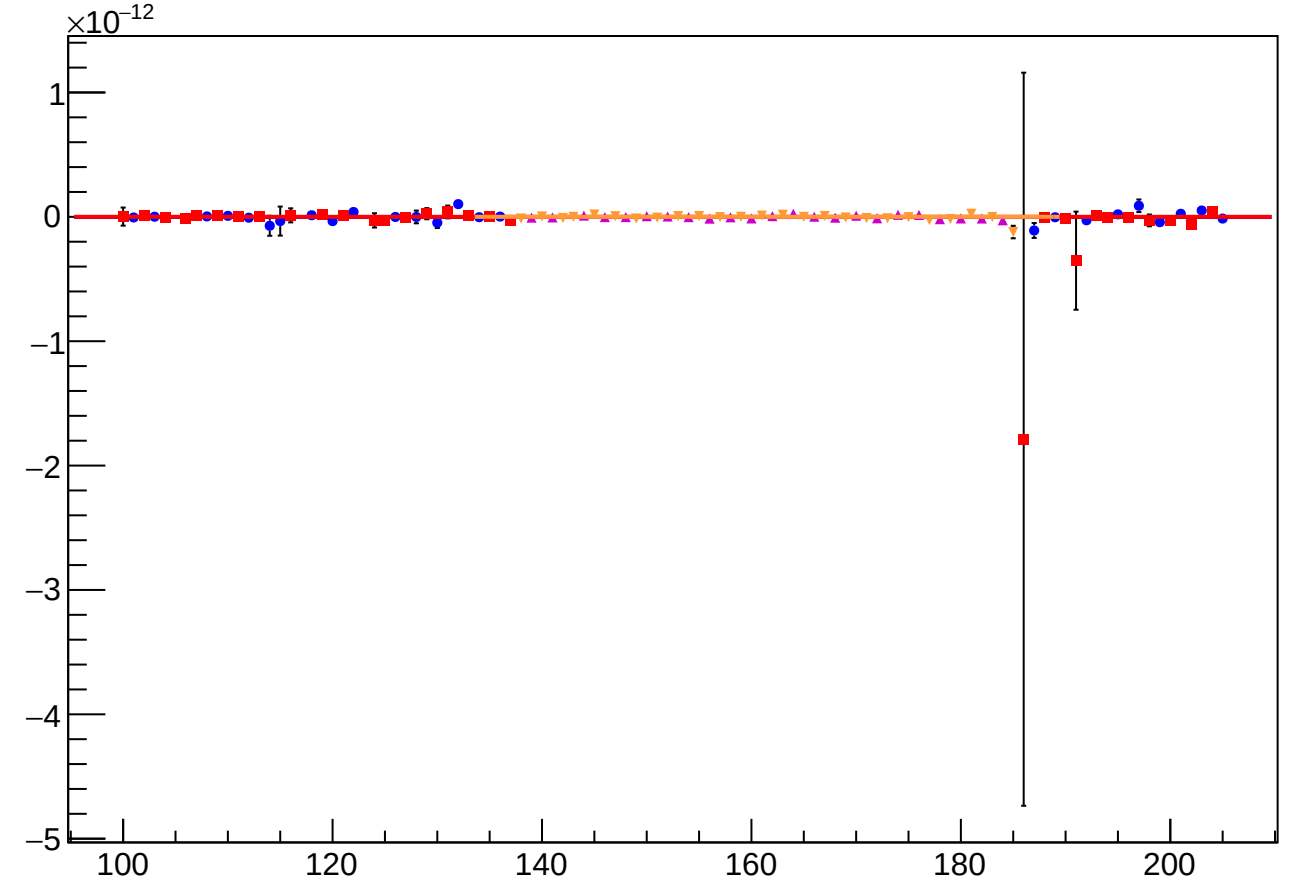
Right Out: 166.049+/-0.036 χ^2/NDF: 8969199.6/29

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 216.929+/-0.031 χ^2/NDF: 16660076.9/49

All: 216.439+/-0.022 χ^2/NDF: 32920465.3/10

- sign 215.964+/-0.030 χ^2/NDF: 16259892.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 34.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

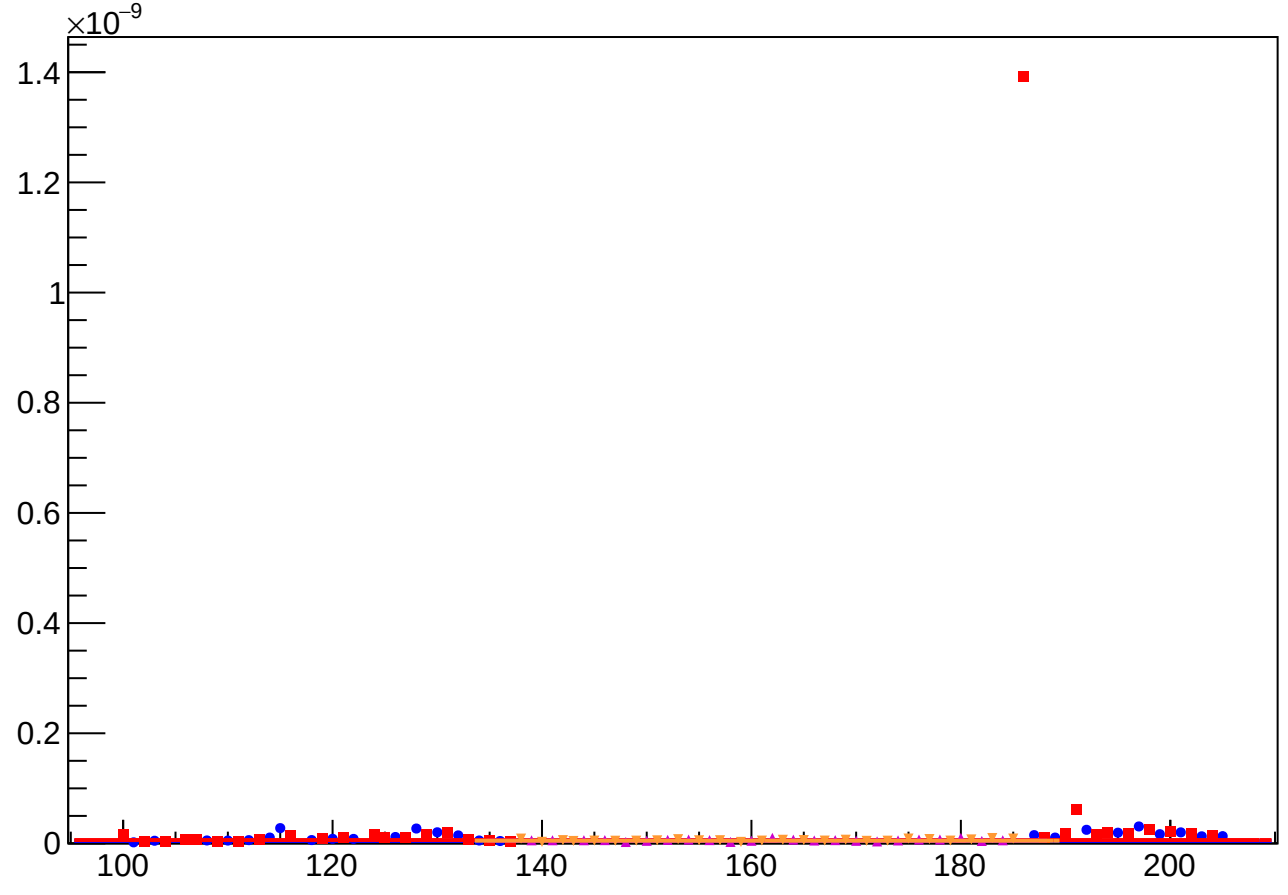
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/29

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/49

All: -0.000+/-0.000 χ^2/NDF: 104.9/102

- sign -0.000+/-0.000 χ^2/NDF: 41.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5615120.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670513.8/29

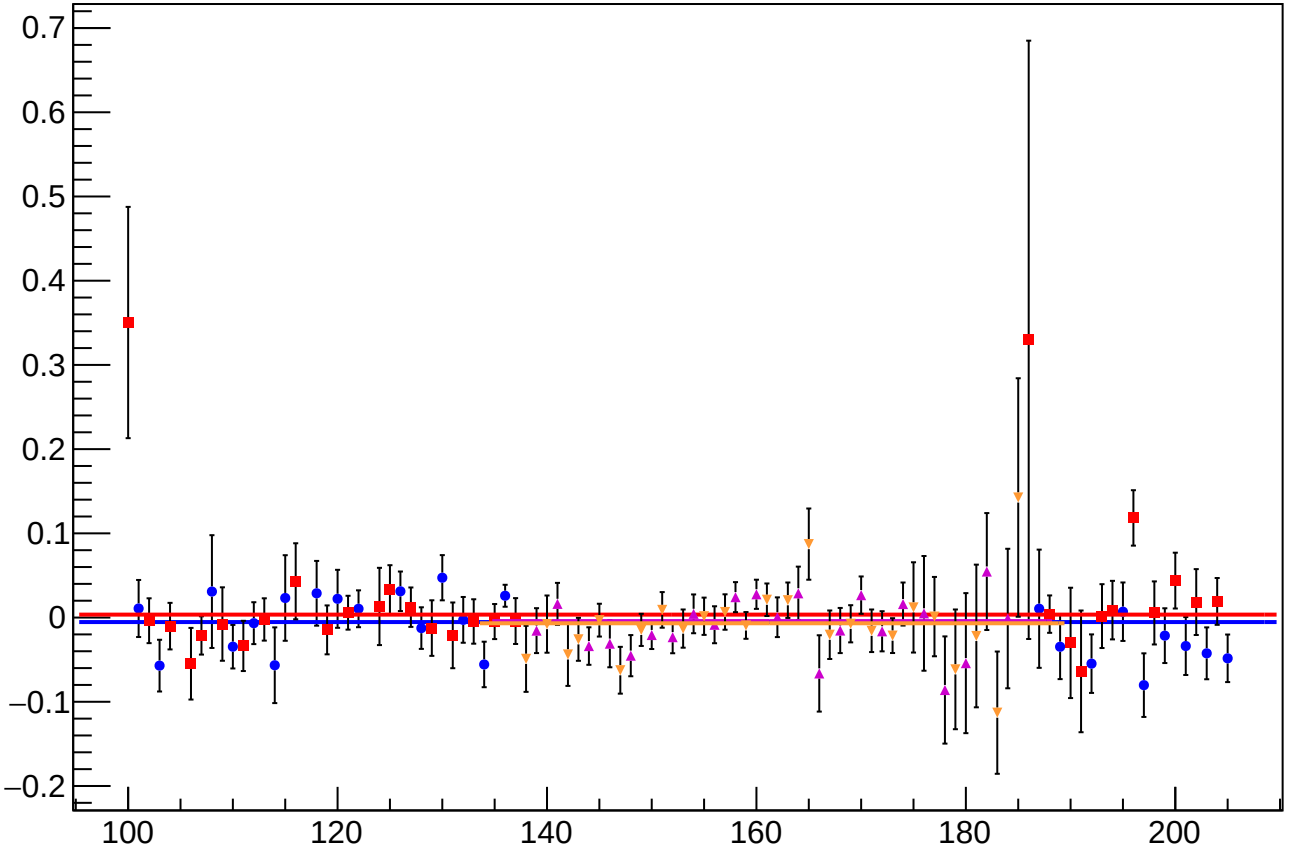
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6972937.1/49

All: 0.000+/-0.000 χ^2/NDF: 13198553.0/102

- sign 0.000+/-0.000 χ^2/NDF: 6108512.6/52

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

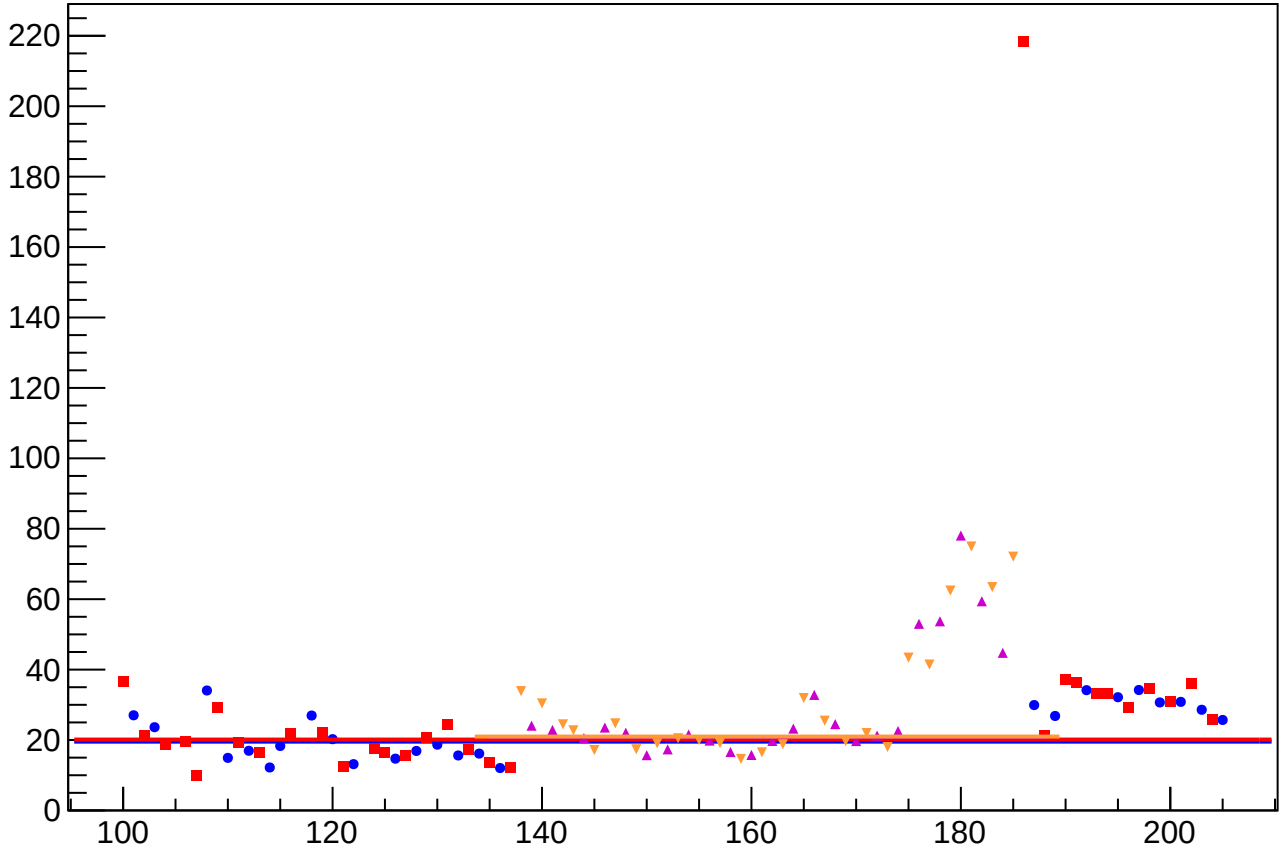
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.1/102

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

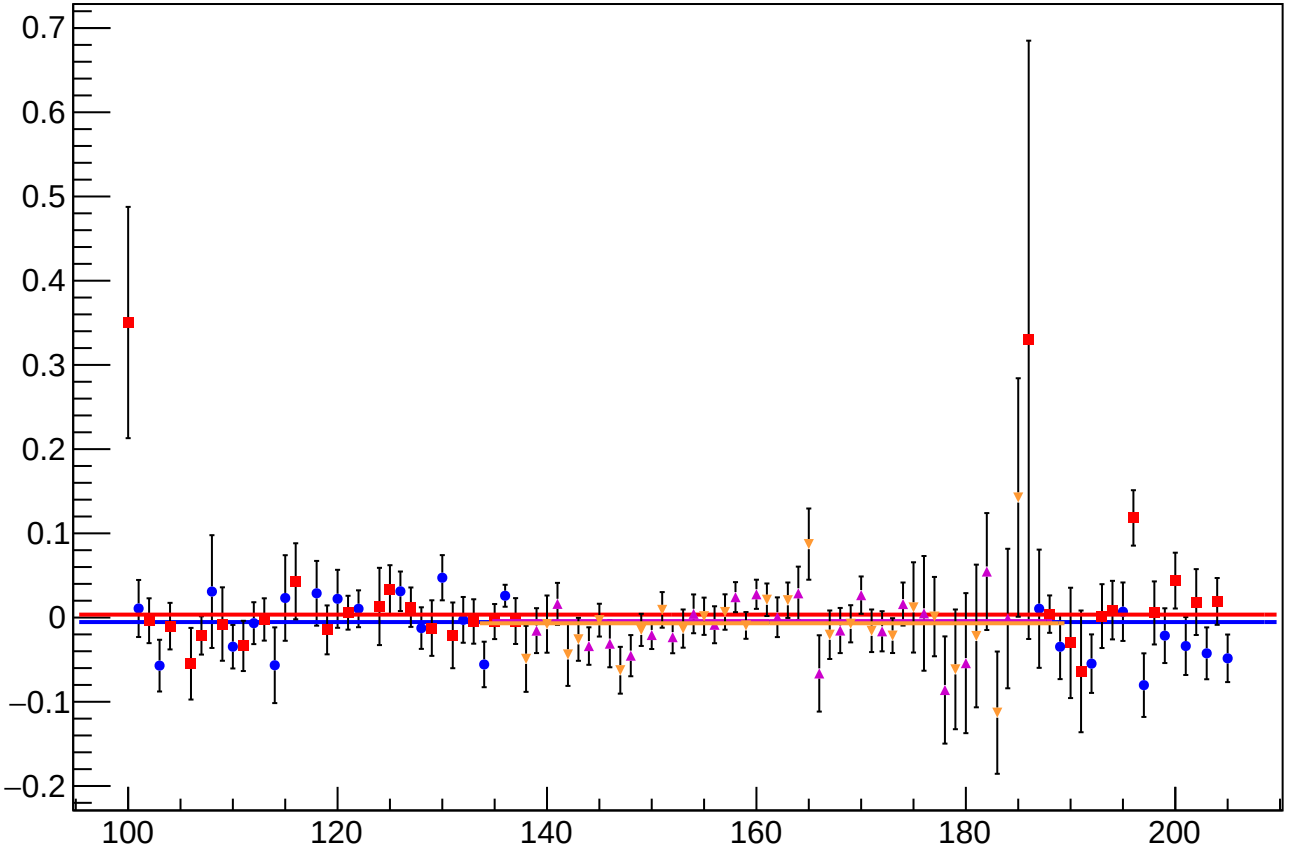
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746836.8/49

All: 20.428+/-0.002 χ^2/NDF: 15139185.4/102

- sign 20.526+/-0.003 χ^2/NDF: 7389795.1/52

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

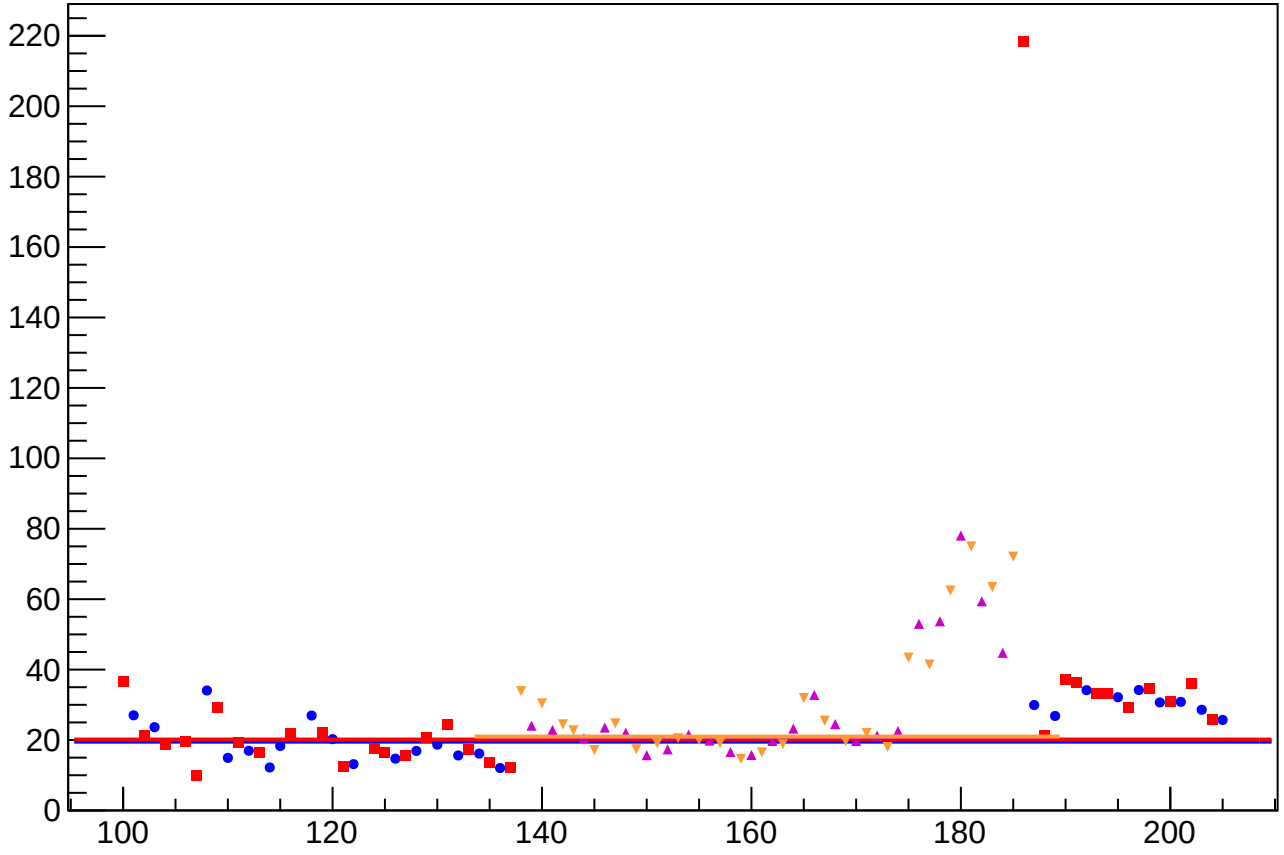
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.1/102

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

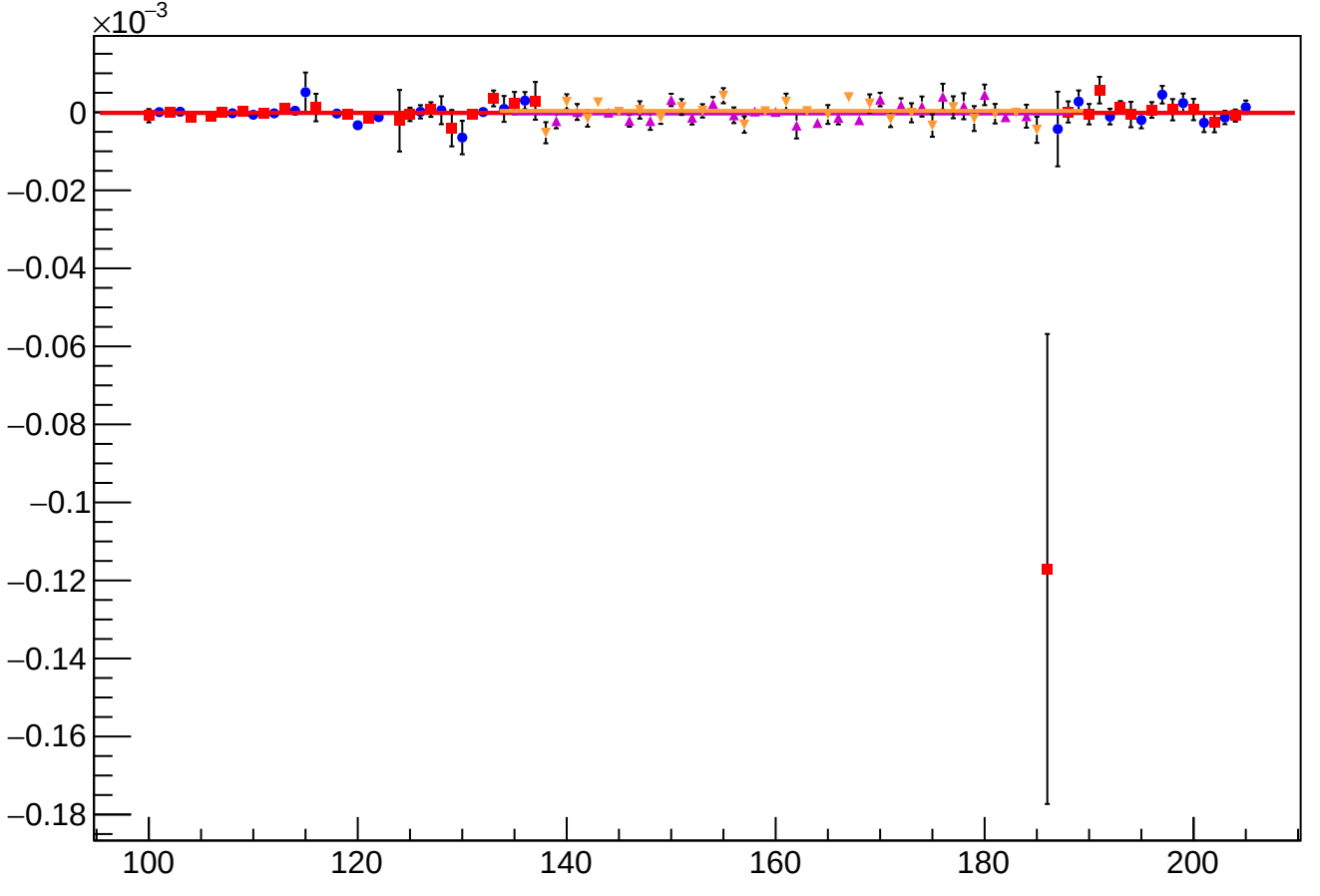
Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746836.8/49

All: 20.428+/-0.002 χ^2/NDF: 15139185.4/102

- sign 20.526+/-0.003 χ^2/NDF: 7389795.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

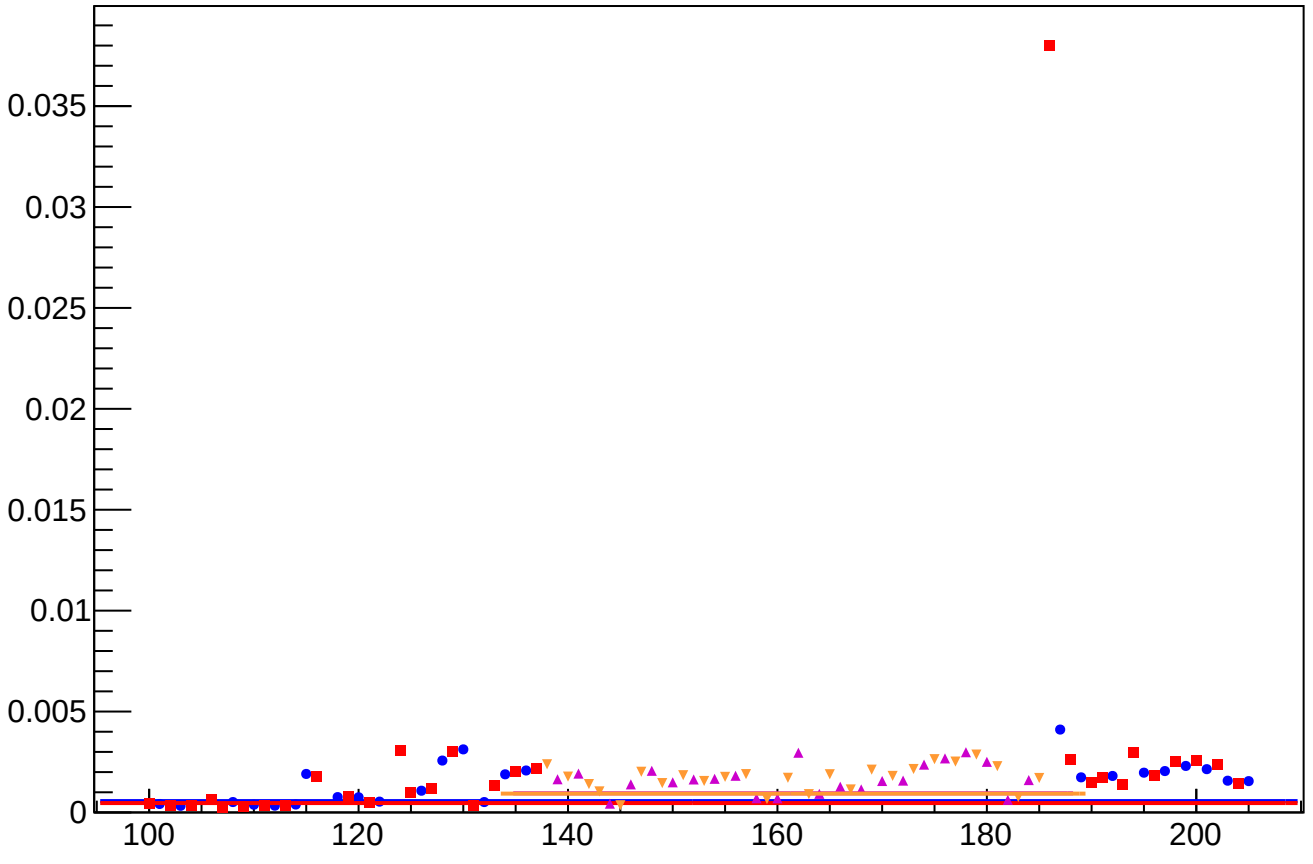
Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/49

All: -0.000+/-0.000 χ^2/NDF: 123.0/102

- sign -0.000+/-0.000 χ^2/NDF: 61.0/52



Right In: 0.001+/-0.000 χ^2/NDF: 10853311.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14044336.0/29

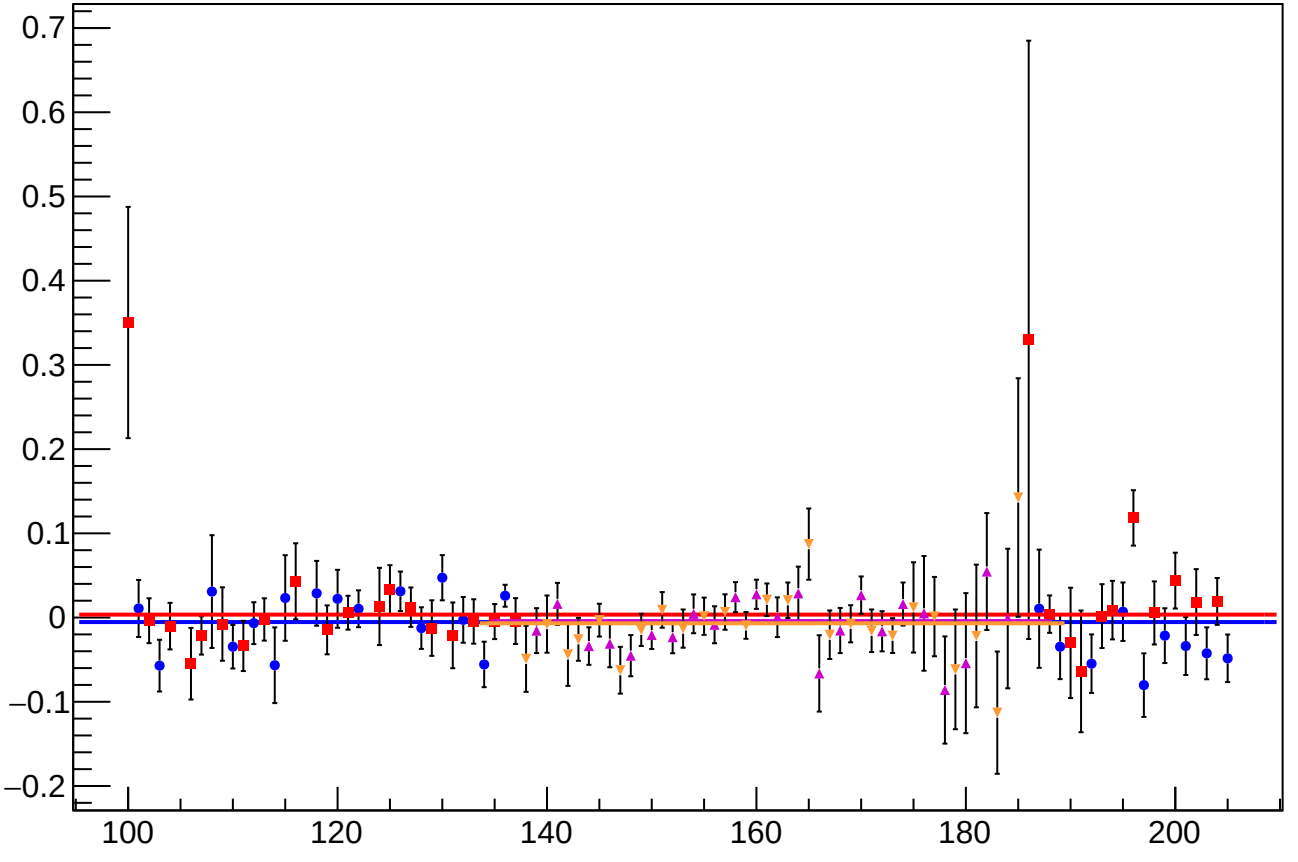
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 25374206.9/49

All: 0.001+/-0.000 χ^2/NDF: 54067812.5/102

- sign 0.001+/-0.000 χ^2/NDF: 28296097.8/52

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

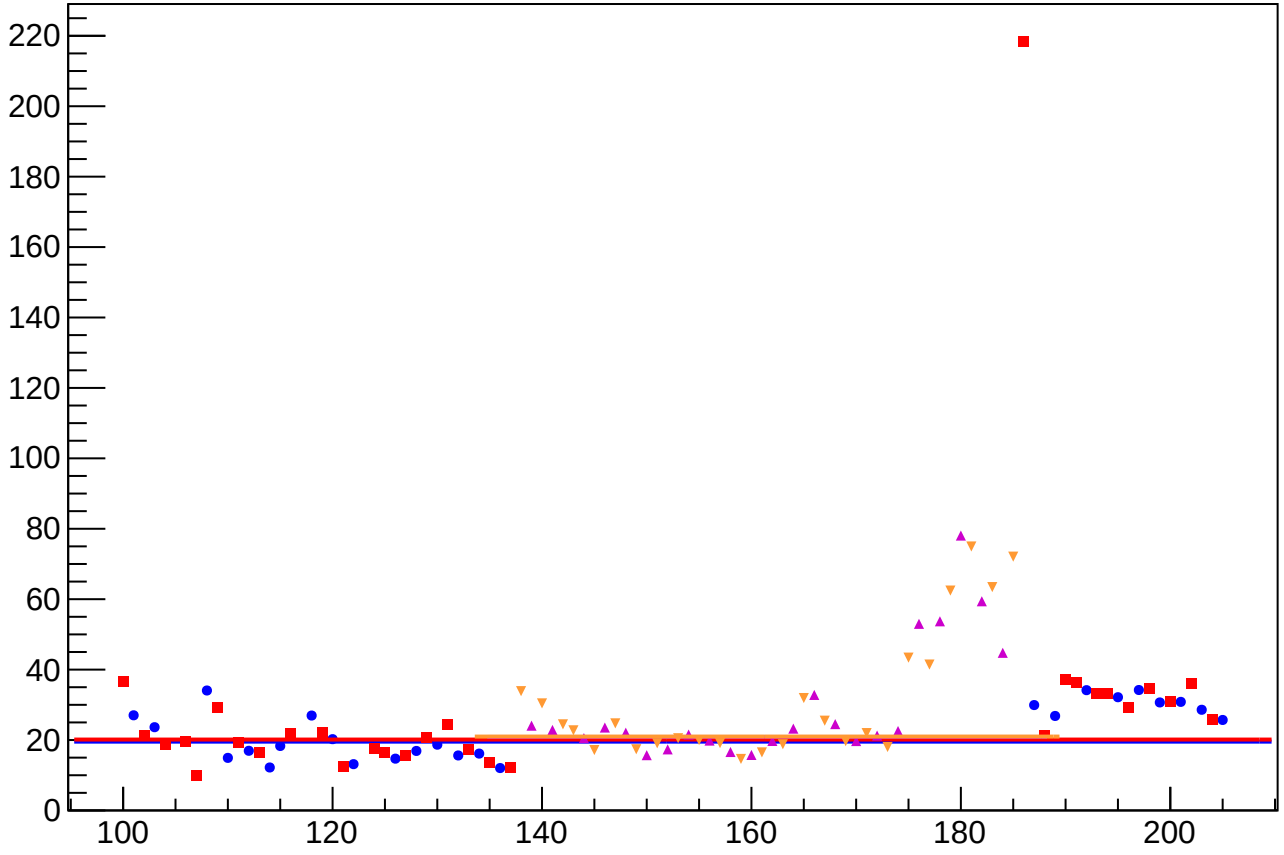
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.1/102

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

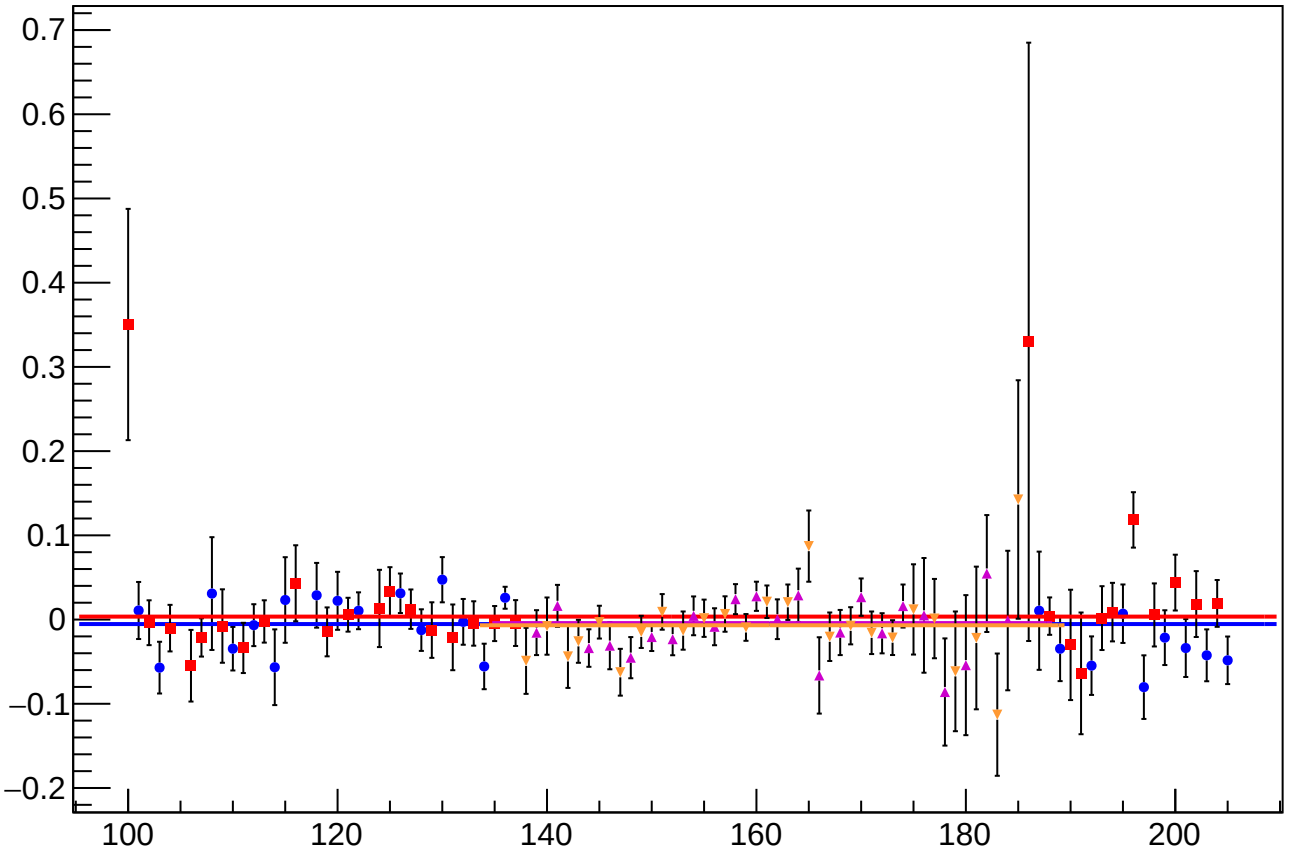
Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746858.5/49

All: 20.428+/-0.002 χ^2/NDF: 15139303.2/102

- sign 20.526+/-0.003 χ^2/NDF: 7389892.8/52



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

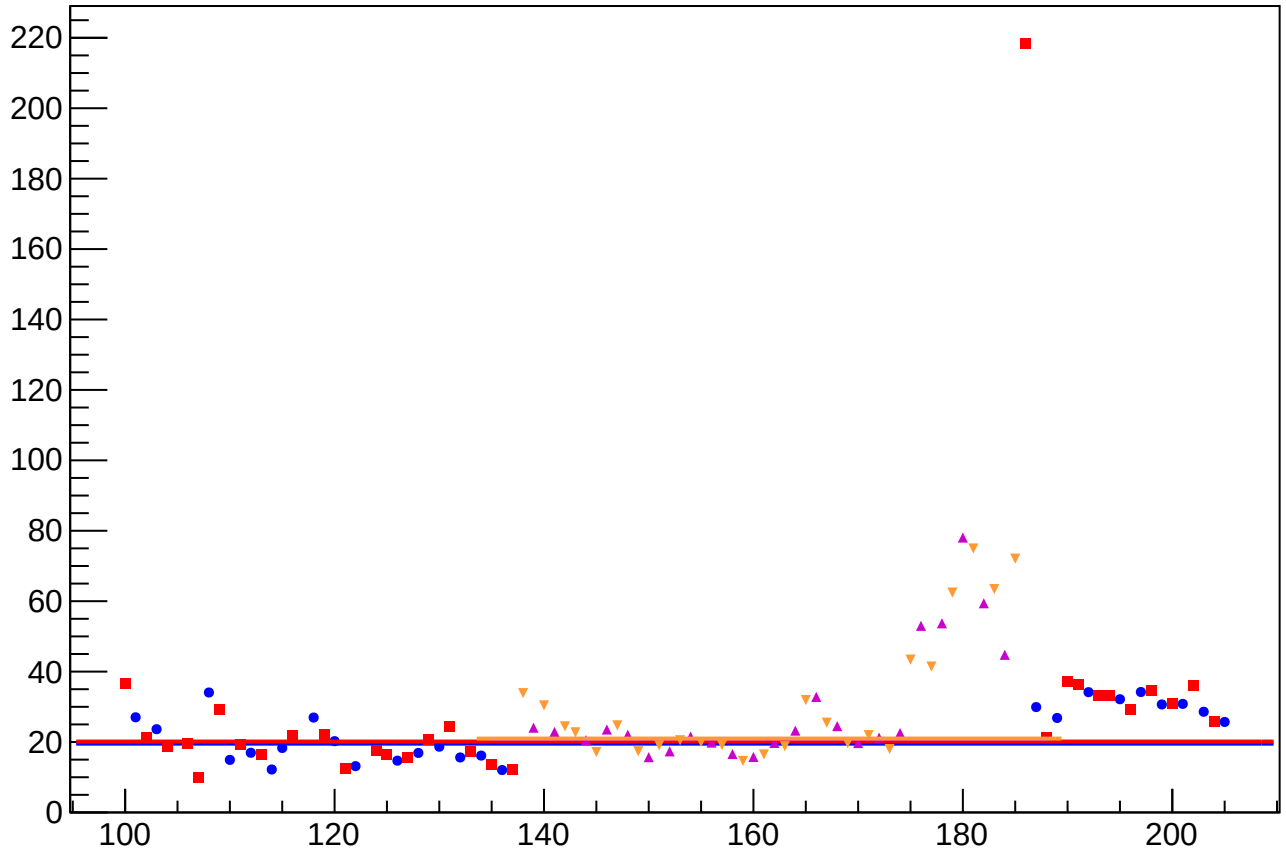
Right Out: 0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.1/102

- sign -0.001+/-0.004 χ^2/NDF: 55.0/52



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

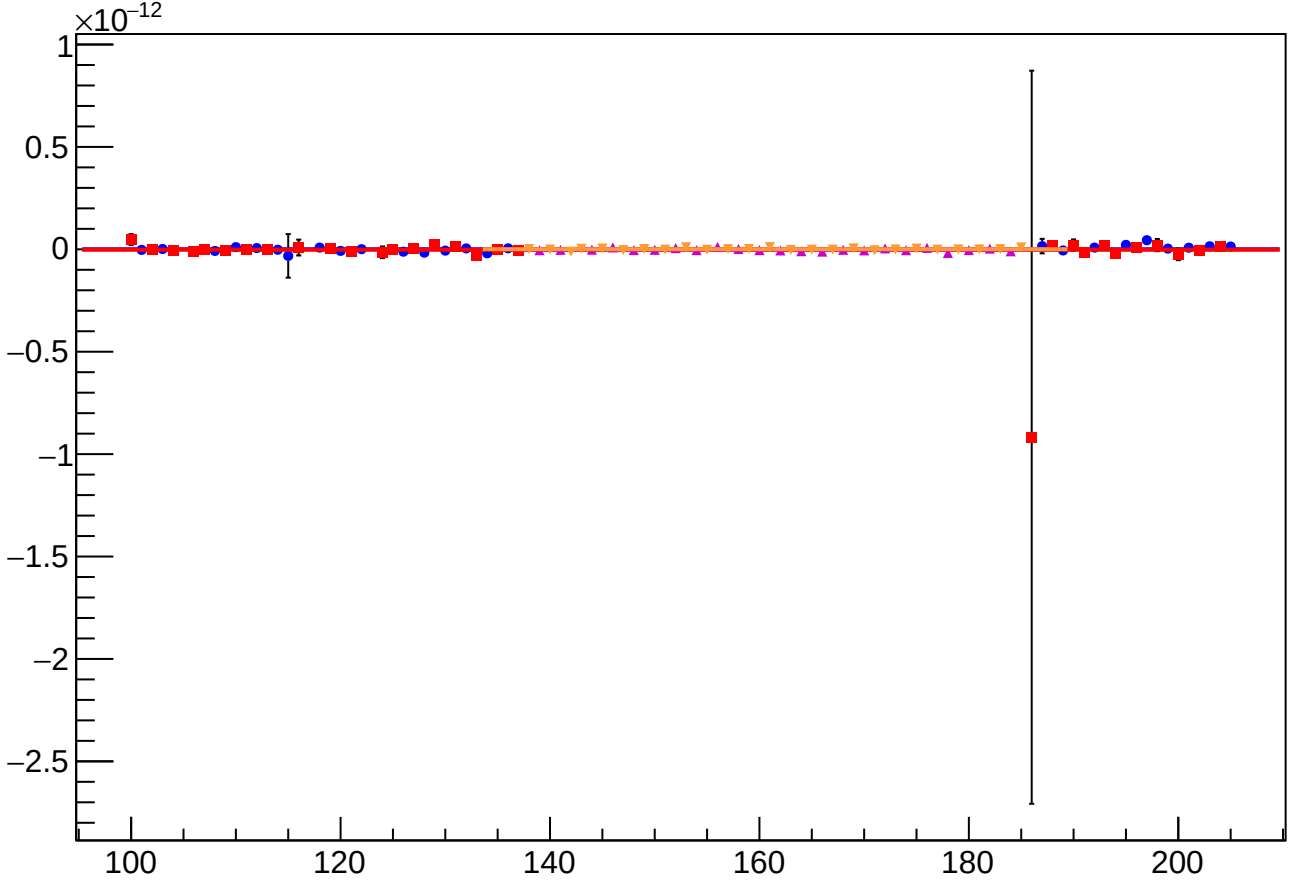
Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746858.5/49

All: 20.428+/-0.002 χ^2/NDF: 15139303.2/102

- sign 20.526+/-0.003 χ^2/NDF: 7389892.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

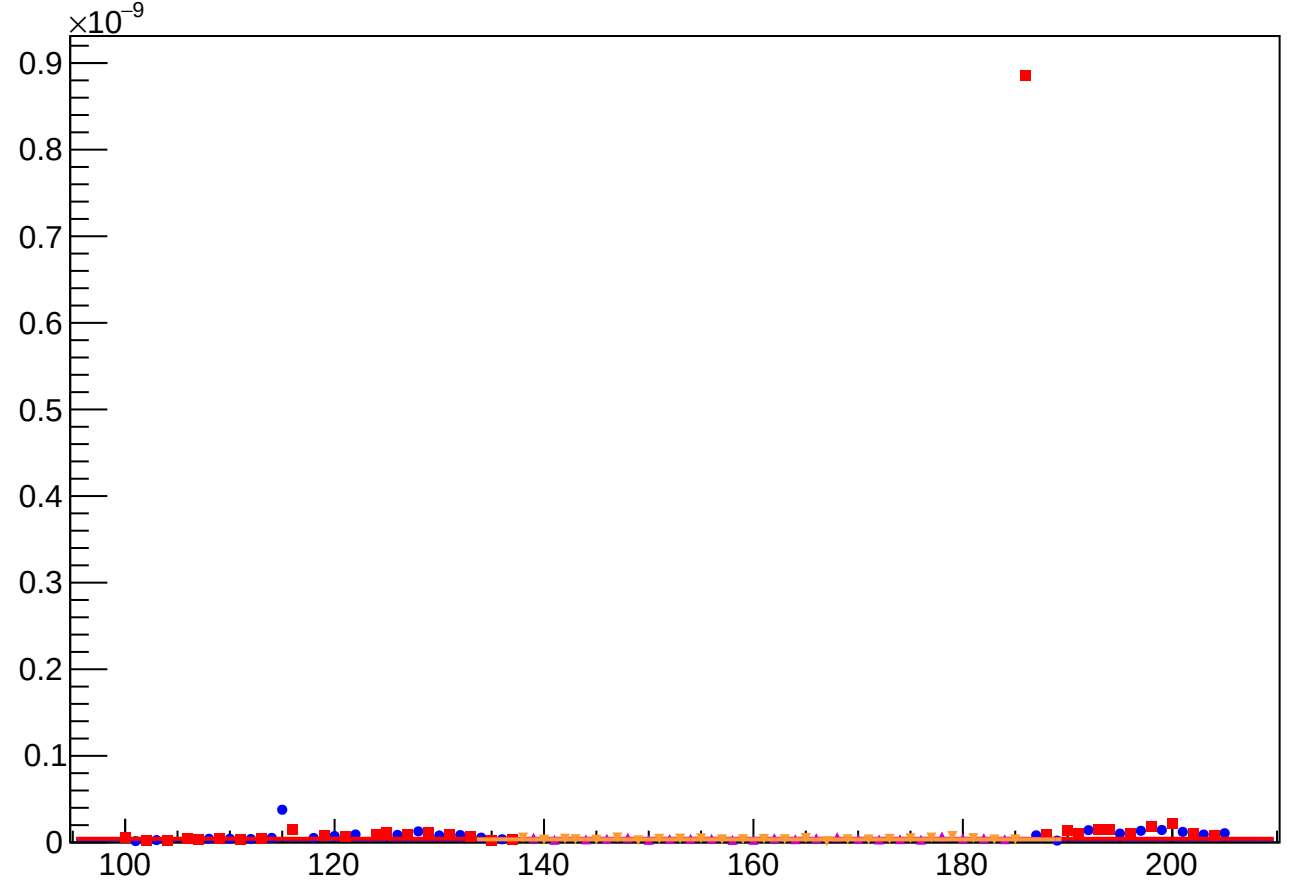
Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/49

All: -0.000+/-0.000 χ^2/NDF: 89.5/102

- sign -0.000+/-0.000 χ^2/NDF: 52.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6666261.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7156215.9/29

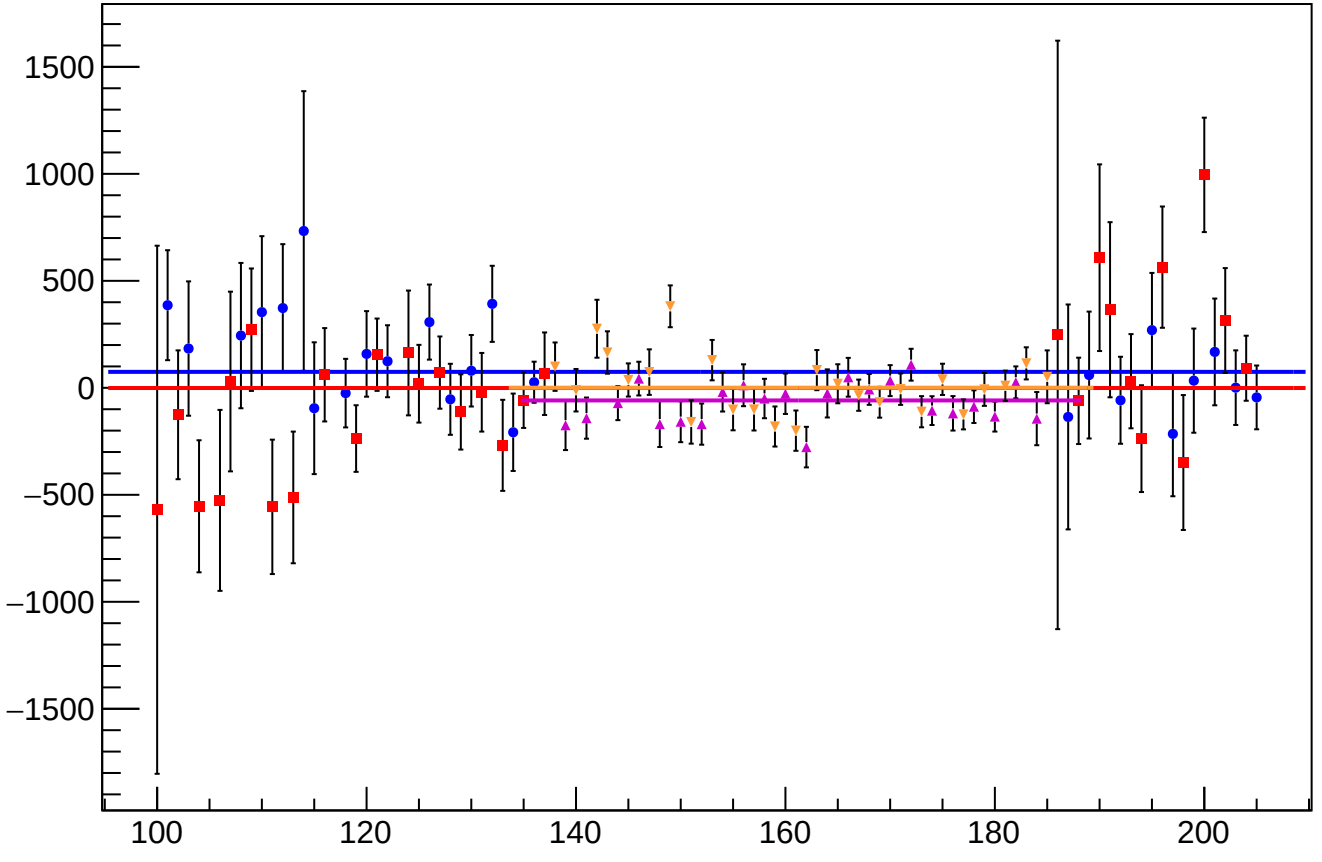
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9193707.1/49

All: 0.000+/-0.000 χ^2/NDF: 17876002.8/102

- sign 0.000+/-0.000 χ^2/NDF: 8408759.5/52

reg_asym_sam_26_avg_mean vs Slug



Right In: 74.617+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -0.880+/-41.506 χ^2/NDF: 42.9/29

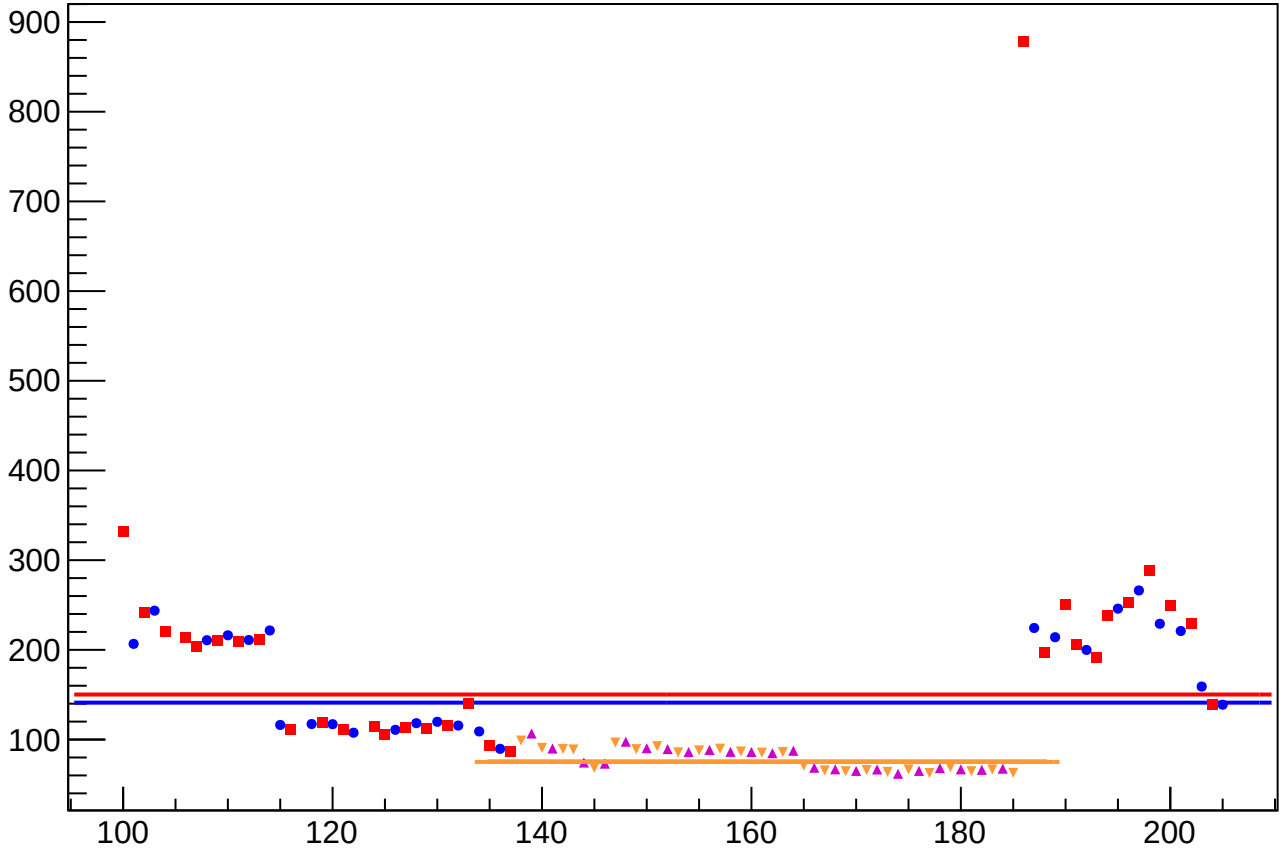
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.151+/-15.910 χ^2/NDF: 68.2/49

All: -17.859+/-11.426 χ^2/NDF: 145.9/102

- sign -49.825+/-16.420 χ^2/NDF: 70.4/52

reg_asym_sam_26_avg_rms vs Slug



Right In: 141.163+/-0.028 χ^2/NDF: 3134489.6/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

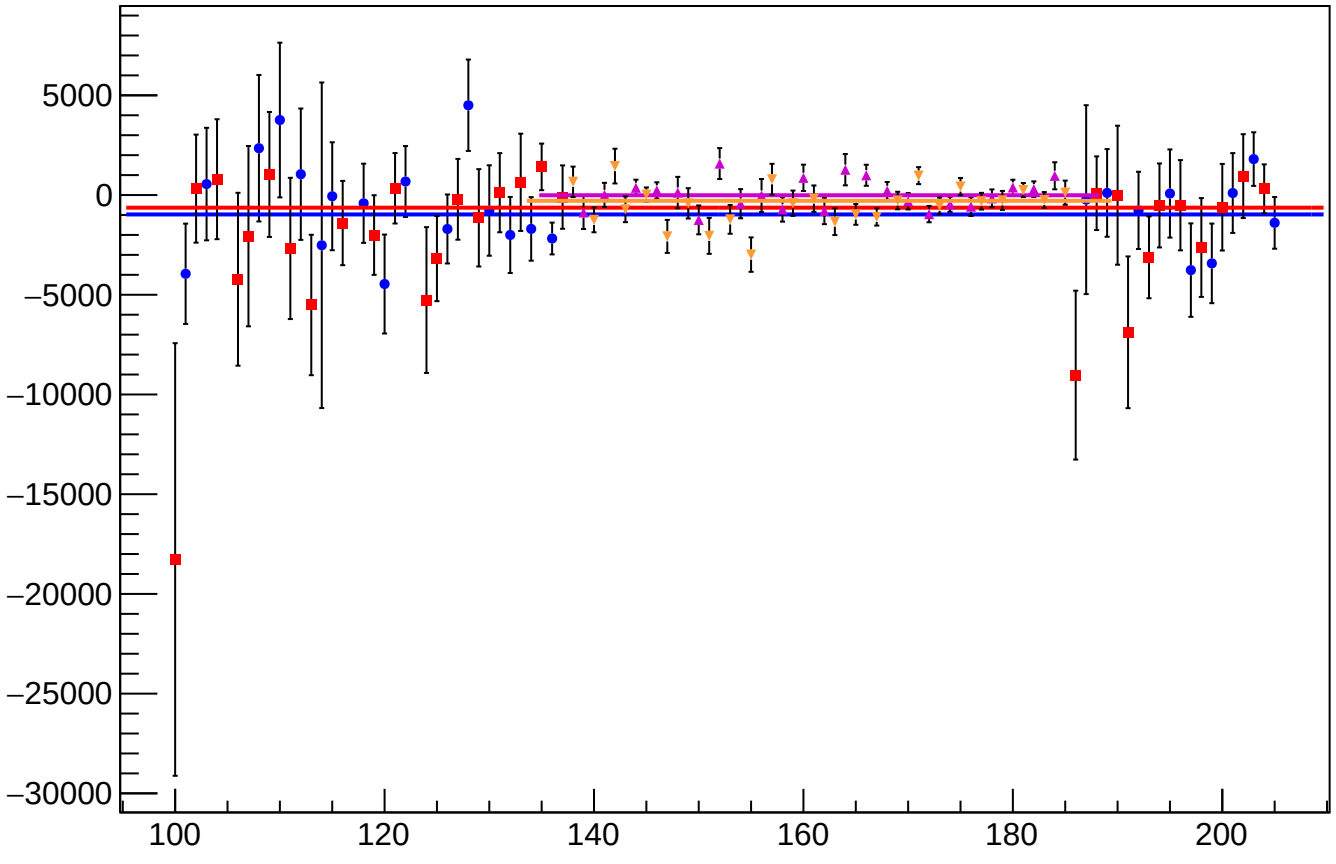
Right Out: 150.211+/-0.029 χ^2/NDF: 4189037.4/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 85.362+/-0.011 χ^2/NDF: 8612586.9/49

All: 86.188+/-0.008 χ^2/NDF: 19137987.7/102

- sign 87.068+/-0.012 χ^2/NDF: 10514256.9/52



Right In: -972.676+/-380.307 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -633.644+/-404.927 χ^2/NDF: 24.1/29

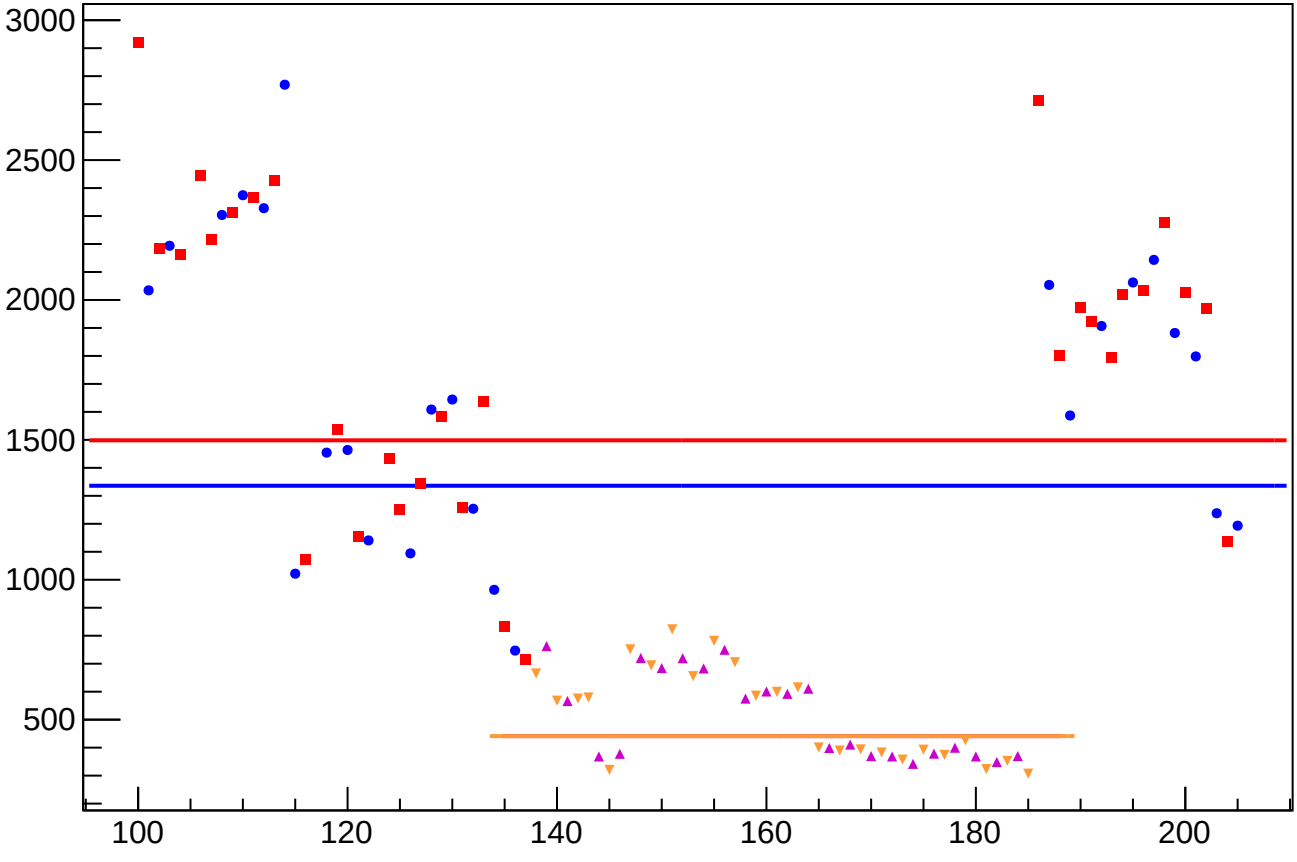
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -336.766+/-101.420 χ^2/NDF: 80.5/49

All: -197.926+/-72.628 χ^2/NDF: 144.0/102

- sign -51.782+/-104.054 χ^2/NDF: 59.7/52

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1336.019+/-0.269 χ^2/NDF: 3225964.7/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1498.392+/-0.286 χ^2/NDF: 3316702.7/29

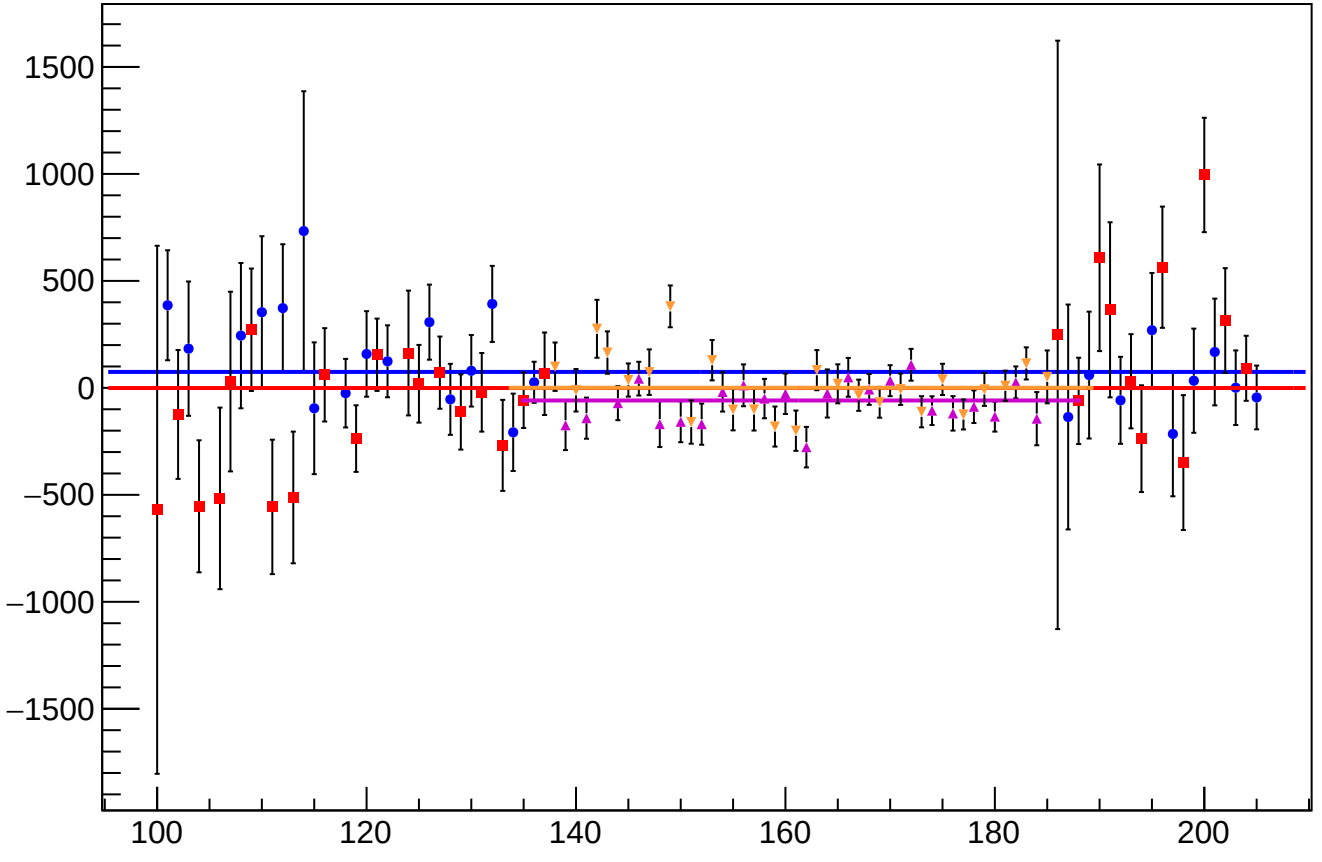
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

\+ sign 504.771+/-0.072 χ^2/NDF: 16746954.0/49

All: 507.809+/-0.051 χ^2/NDF: 35482097.5/10

\- sign 511.006+/-0.074 χ^2/NDF: 18731461.3/52

cor_asym_sam_26_avg_mean vs Slug



Right In: 74.603+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -0.716+/-41.507 χ^2/NDF: 42.8/29

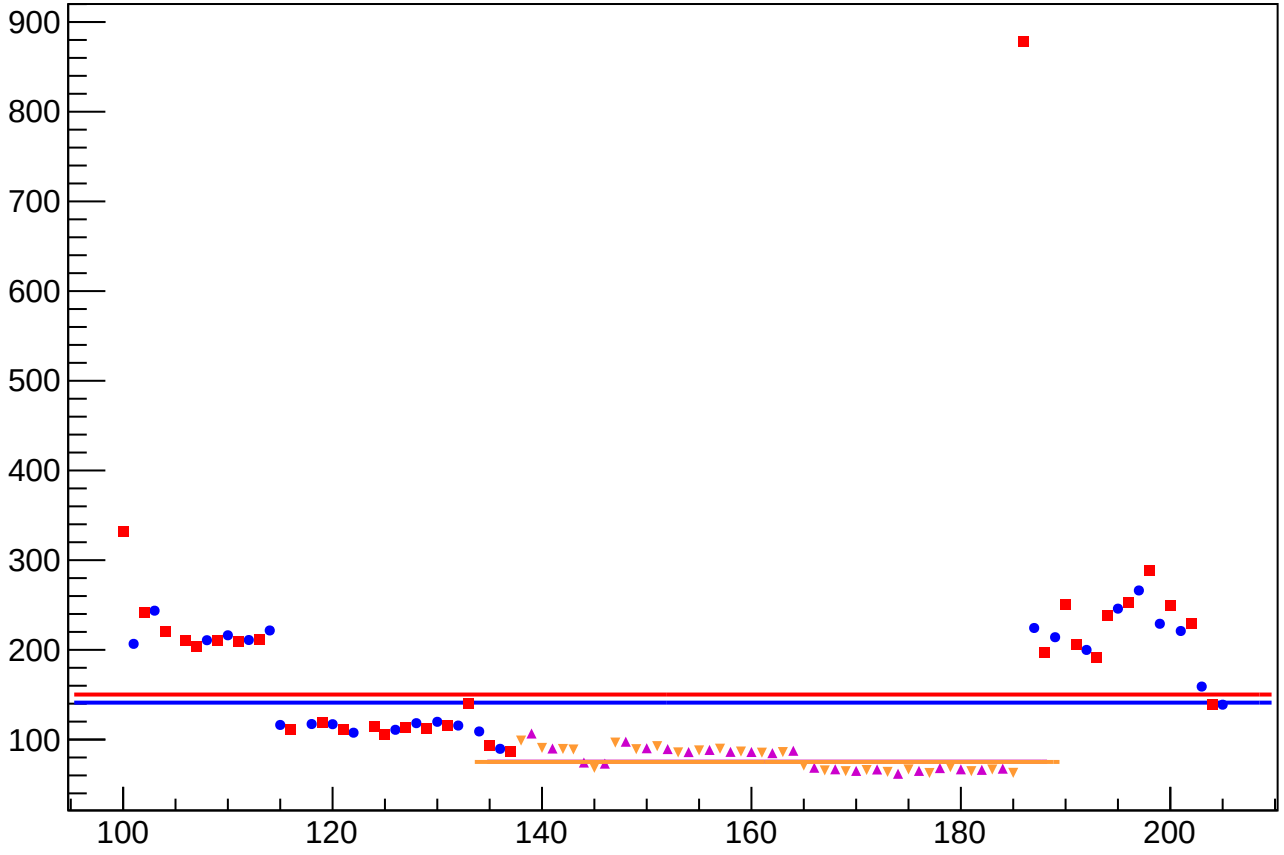
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.149+/-15.910 χ^2/NDF: 68.2/49

All: -17.847+/-11.426 χ^2/NDF: 145.8/102

- sign -49.798+/-16.420 χ^2/NDF: 70.3/52

cor_asym_sam_26_avg_rms vs Slug



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

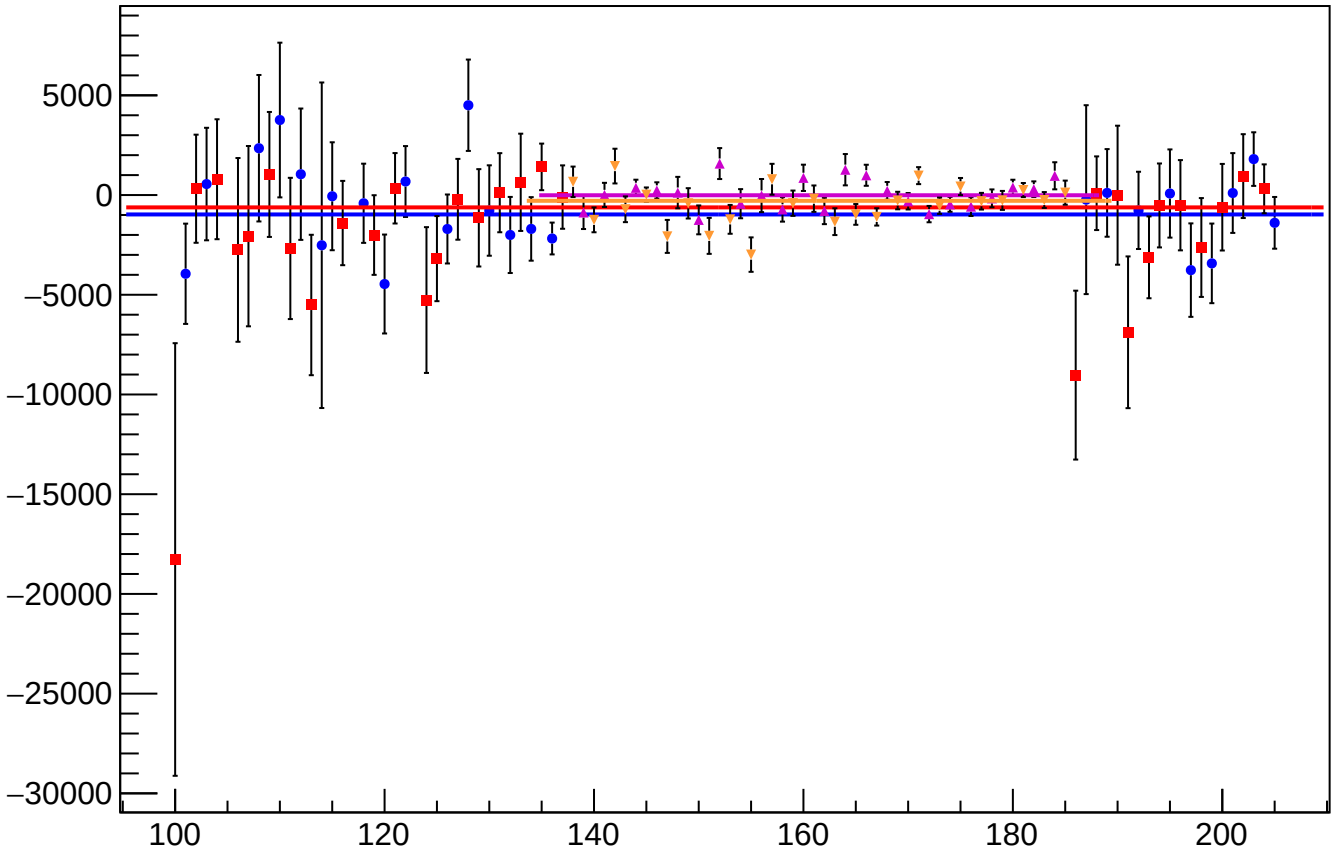
Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 85.362+/-0.011 χ^2/NDF: 8612588.9/49

All: 86.185+/-0.008 χ^2/NDF: 19128356.9/102

- sign 87.062+/-0.012 χ^2/NDF: 10504703.5/52



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -618.813+/-405.136 χ^2/NDF: 23.6/29

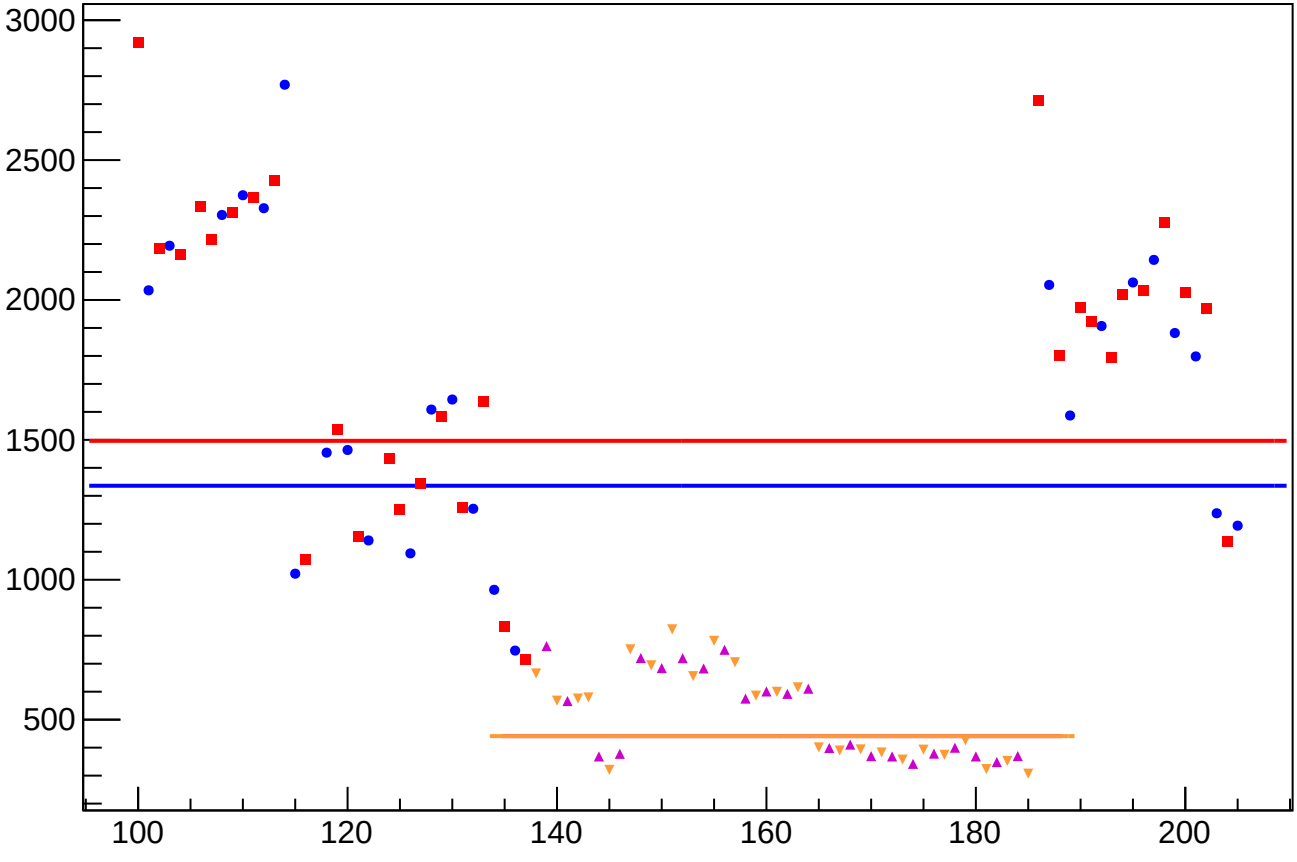
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -336.765+/-101.420 χ^2/NDF: 80.5/49

All: -197.435+/-72.629 χ^2/NDF: 143.5/102

- sign -50.765+/-104.057 χ^2/NDF: 59.1/52

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

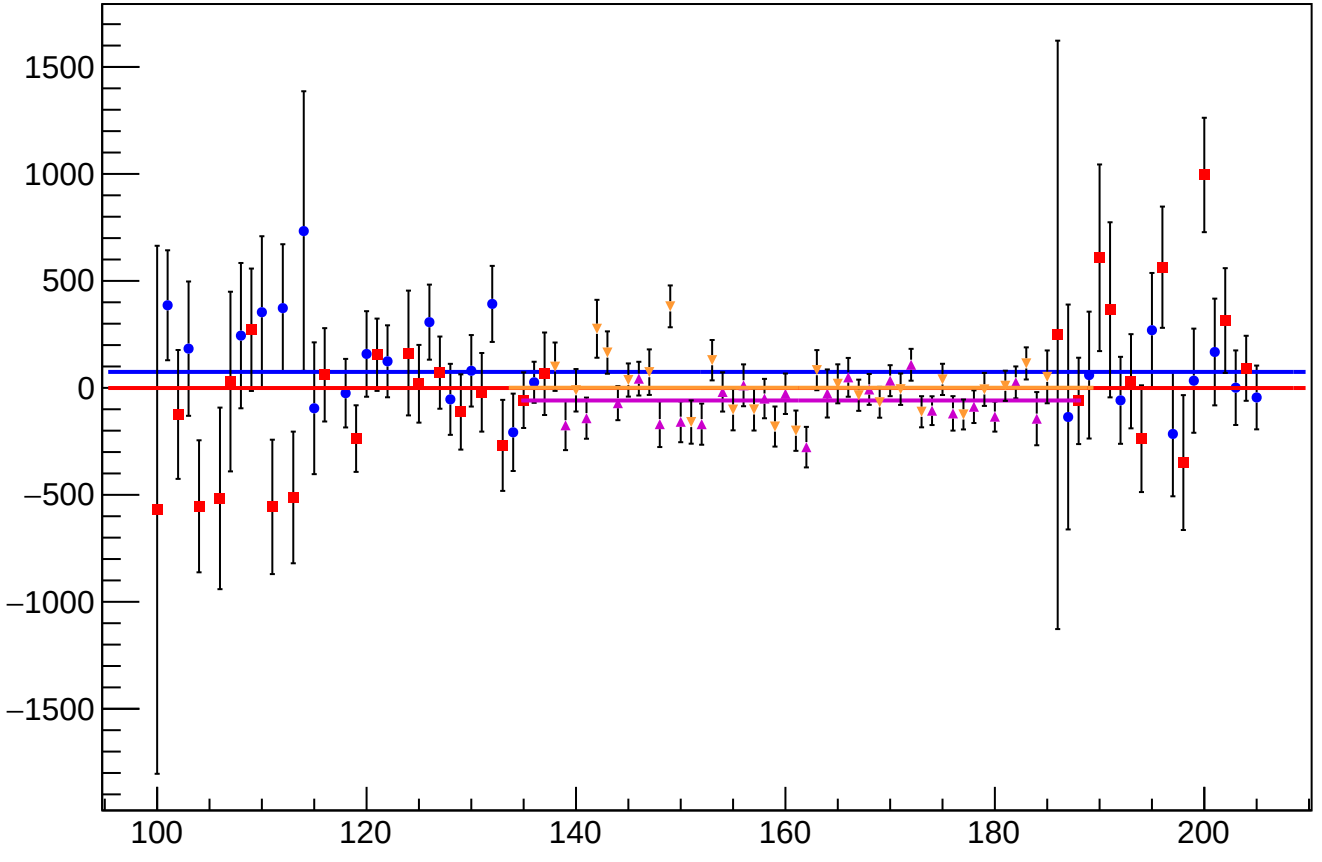
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 504.771+/-0.072 χ^2/NDF: 16746963.1/49

All: 507.719+/-0.051 χ^2/NDF: 35397752.0/10

- sign 510.822+/-0.074 χ^2/NDF: 18647321.6/52

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 74.603+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -0.716+/-41.507 χ^2/NDF: 42.8/29

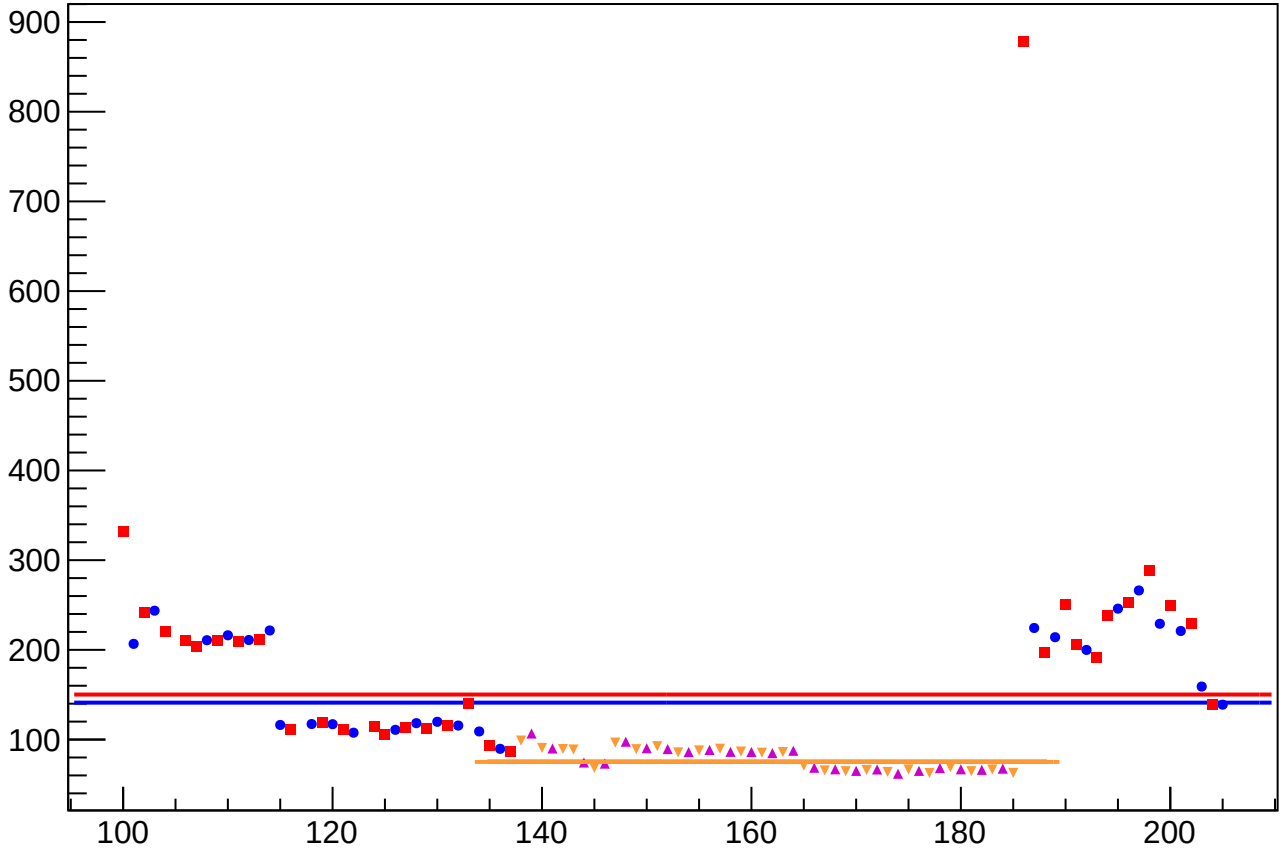
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.149+/-15.910 χ^2/NDF: 68.2/49

All: -17.847+/-11.426 χ^2/NDF: 145.8/102

- sign -49.798+/-16.420 χ^2/NDF: 70.3/52

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

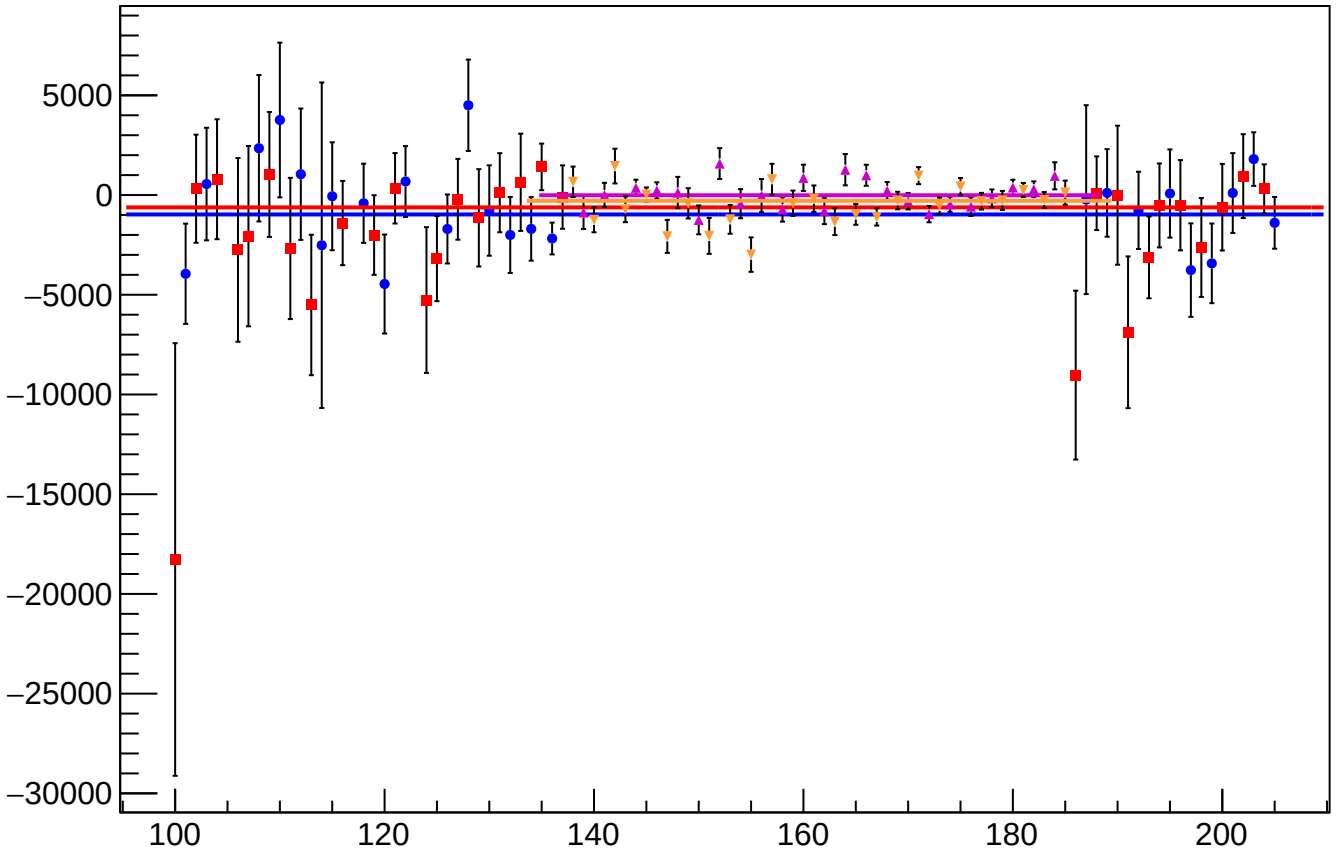
Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 85.362+/-0.011 χ^2/NDF: 8612588.9/49

All: 86.185+/-0.008 χ^2/NDF: 19128356.9/102

- sign 87.062+/-0.012 χ^2/NDF: 10504703.5/52



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -618.813+/-405.136 χ^2/NDF: 23.6/29

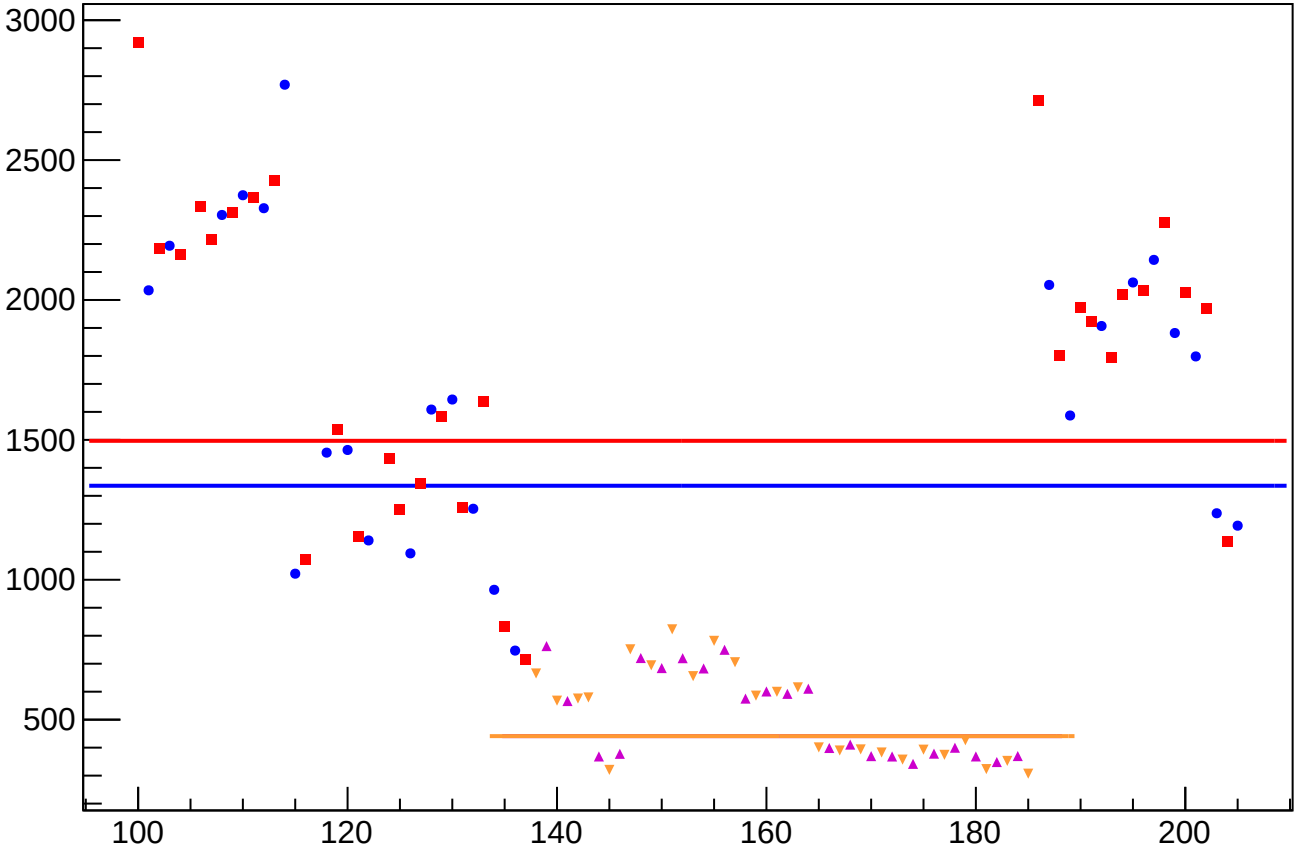
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -336.765+/-101.420 χ^2/NDF: 80.5/49

All: -197.435+/-72.629 χ^2/NDF: 143.5/102

- sign -50.765+/-104.057 χ^2/NDF: 59.1/52

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

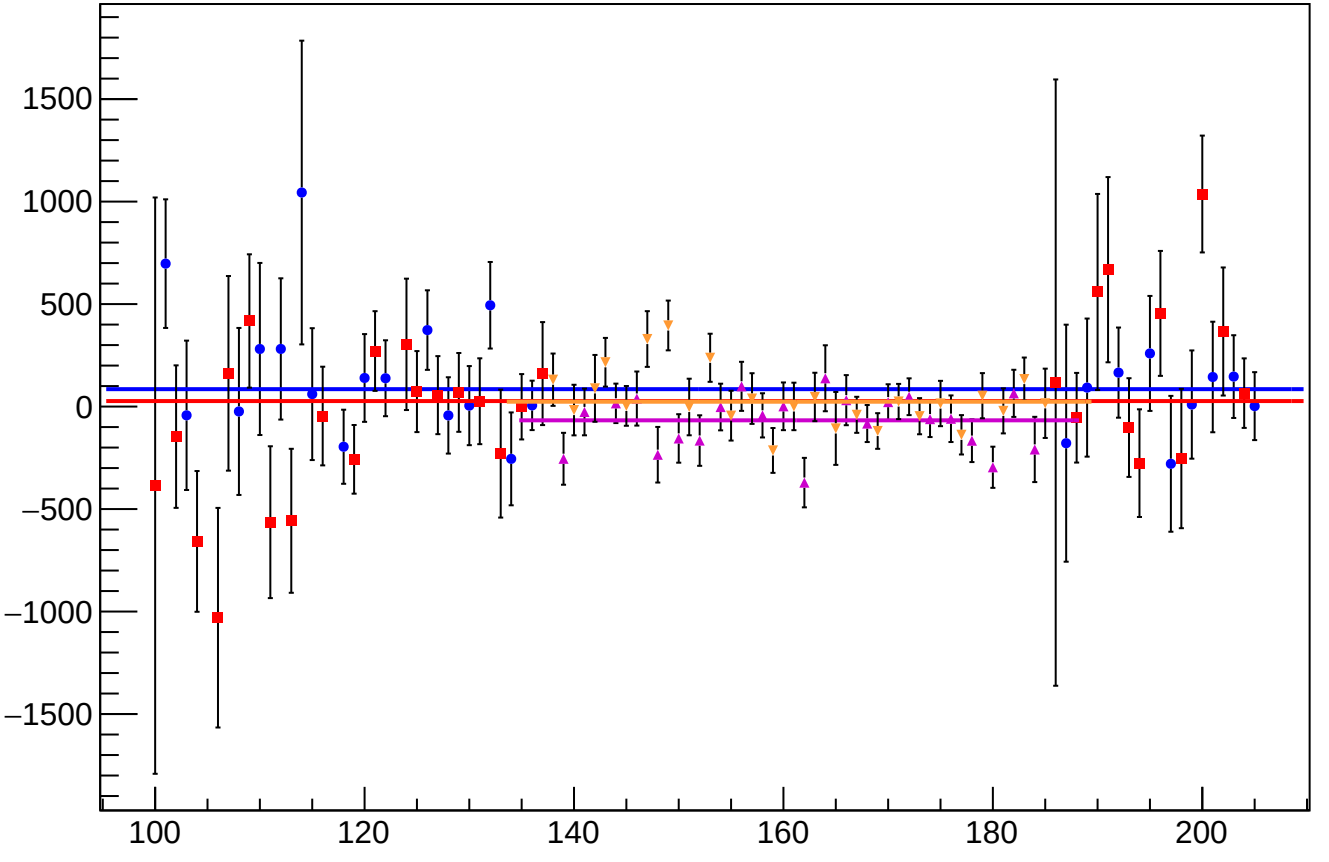
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 504.771+/-0.072 χ^2/NDF: 16746963.1/49

All: 507.719+/-0.051 χ^2/NDF: 35397752.0/10

- sign 510.822+/-0.074 χ^2/NDF: 18647321.6/52

dit_asym_sam_26_avg_mean vs Slug



Right In: 84.963+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 26.866+/-47.312 χ^2/NDF: 42.9/29

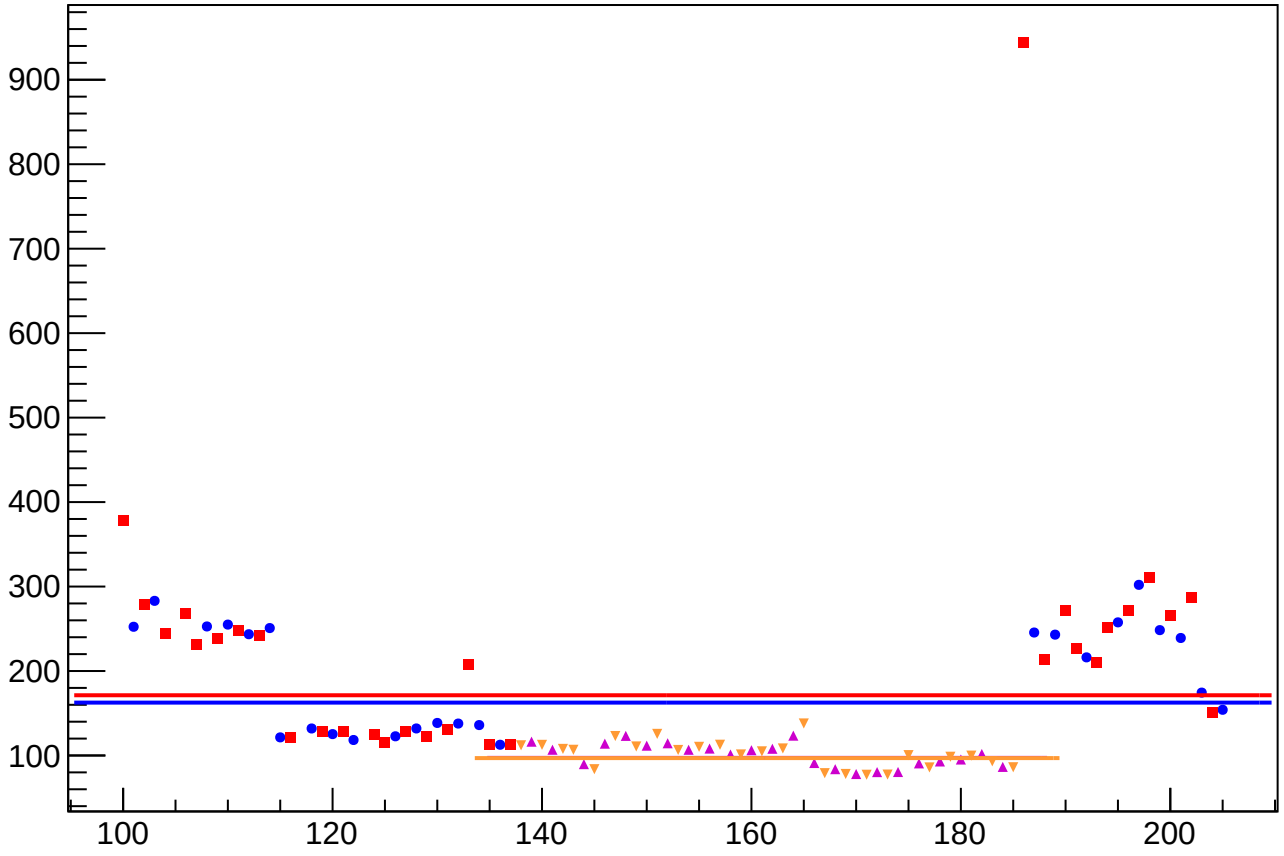
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 35.487+/-20.171 χ^2/NDF: 57.1/49

All: -5.502+/-14.471 χ^2/NDF: 140.3/102

- sign -48.974+/-20.773 χ^2/NDF: 74.7/52

dit_asym_sam_26_avg_rms vs Slug



Right In: 162.602+/-0.033 χ^2/NDF: 2790357.0/24

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

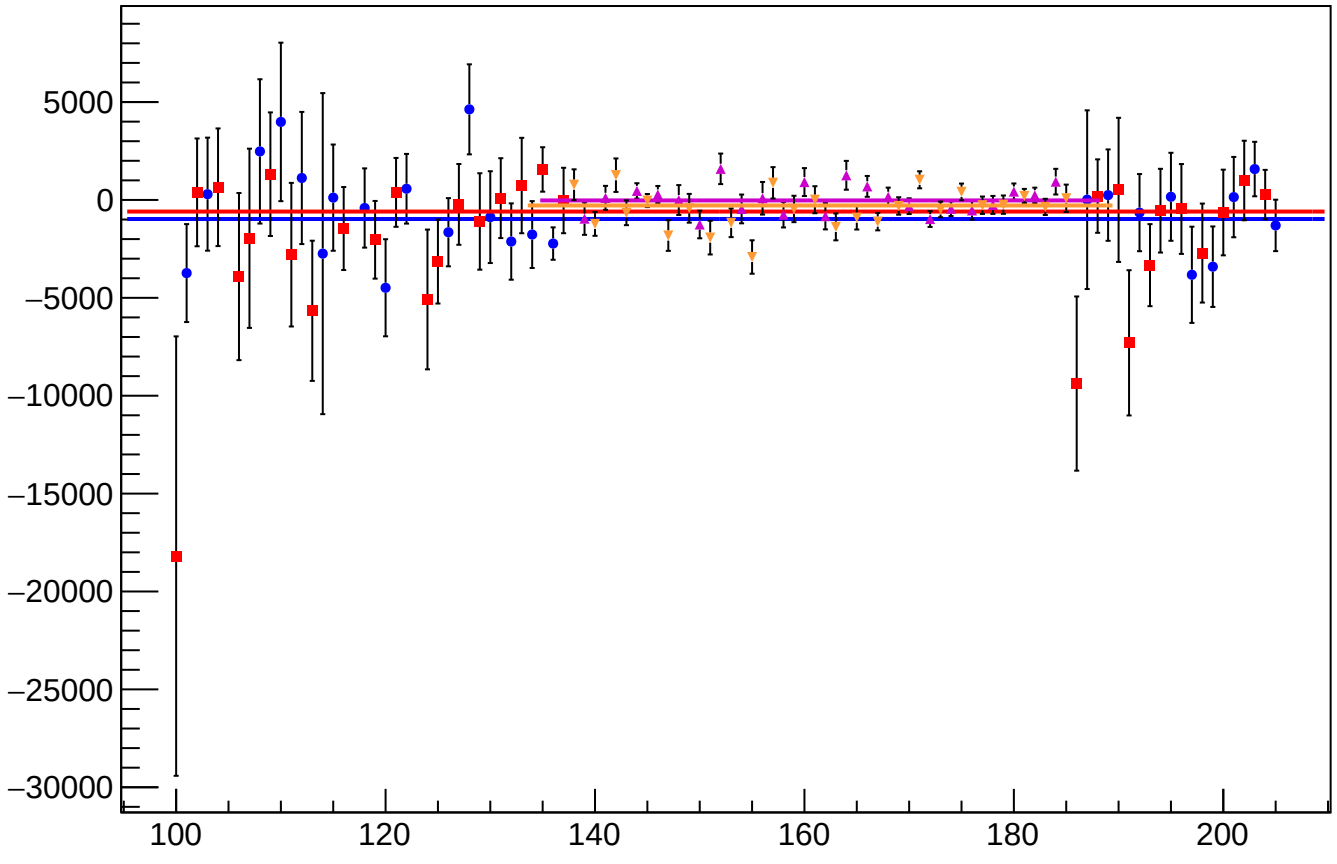
Right Out: 171.309+/-0.033 χ^2/NDF: 3945820.1/29

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 109.397+/-0.014 χ^2/NDF: 6990713.5/49

All: 110.398+/-0.010 χ^2/NDF: 15585853.4/10

- sign 111.460+/-0.015 χ^2/NDF: 8584983.0/52



Right In: -973.113+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -593.176+/-408.272 χ^2/NDF: 25.3/29

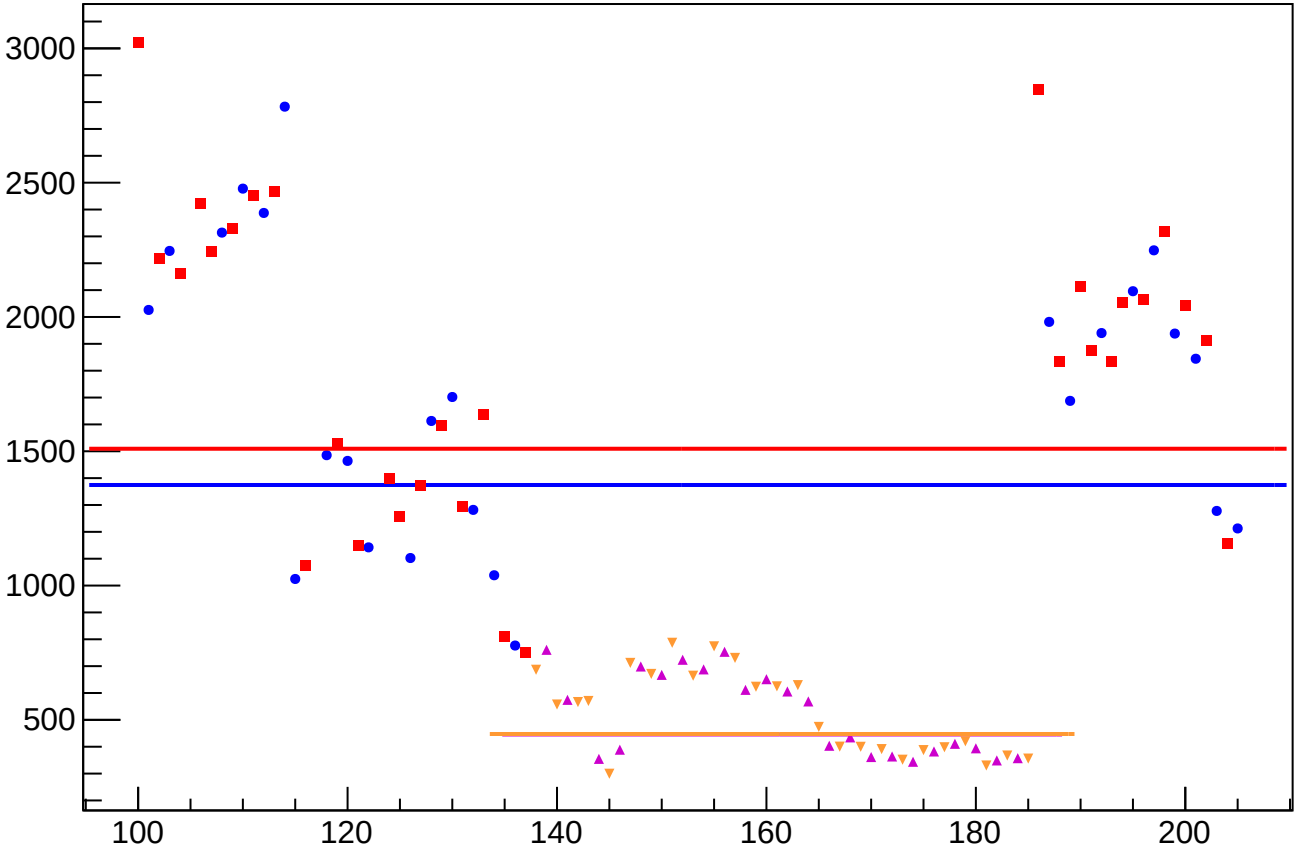
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -330.197+/-102.649 χ^2/NDF: 76.6/49

All: -199.583+/-73.471 χ^2/NDF: 140.0/102

- sign -62.379+/-105.206 χ^2/NDF: 60.1/52

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1374.458+/-0.276 χ^2/NDF: 3136070.7/24

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388515.2/29

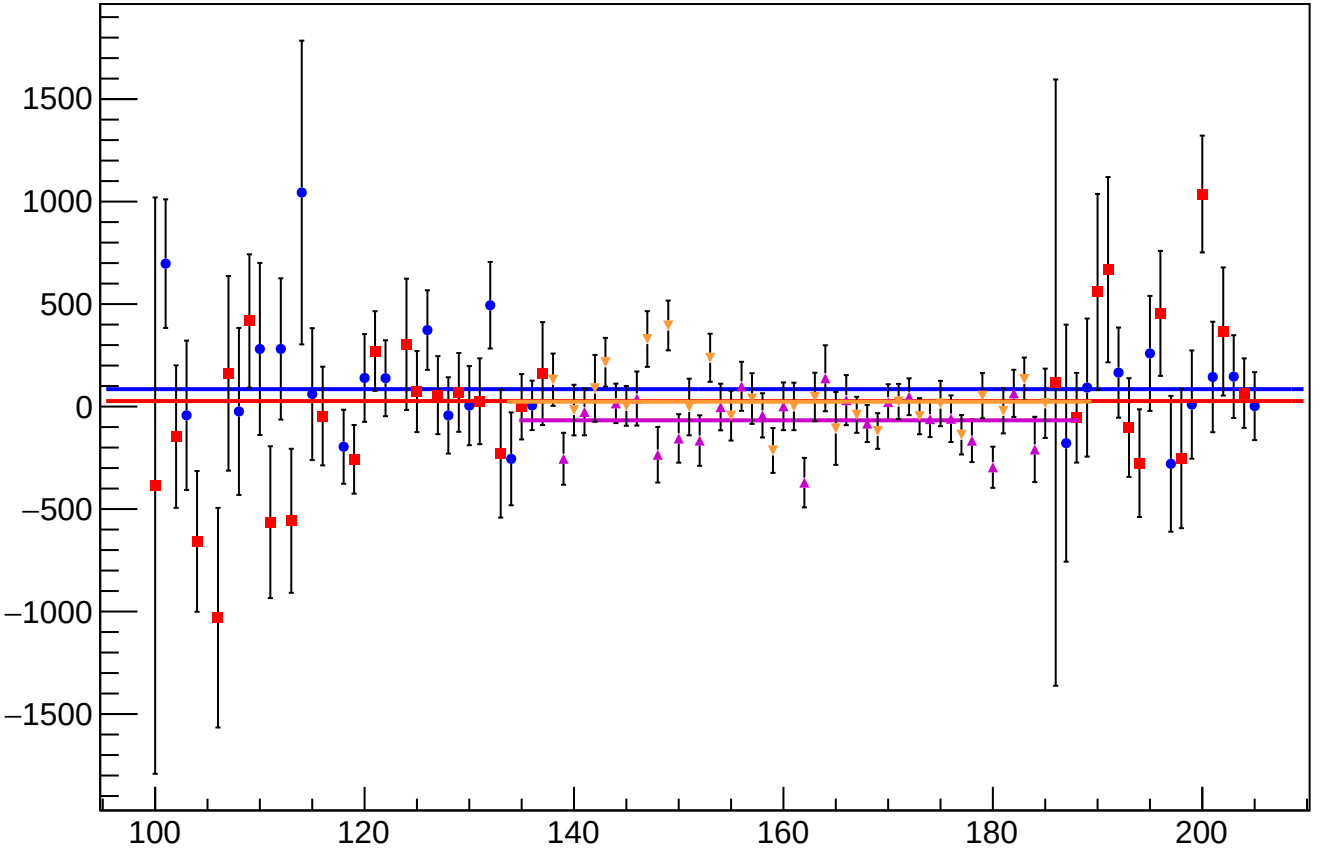
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 511.510+/-0.073 χ^2/NDF: 16837318.7/49

All: 513.768+/-0.052 χ^2/NDF: 35621086.5/10

\- sign 516.139+/-0.074 χ^2/NDF: 18781784.3/52

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 84.965+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 26.865+/-47.312 χ^2/NDF: 42.9/29

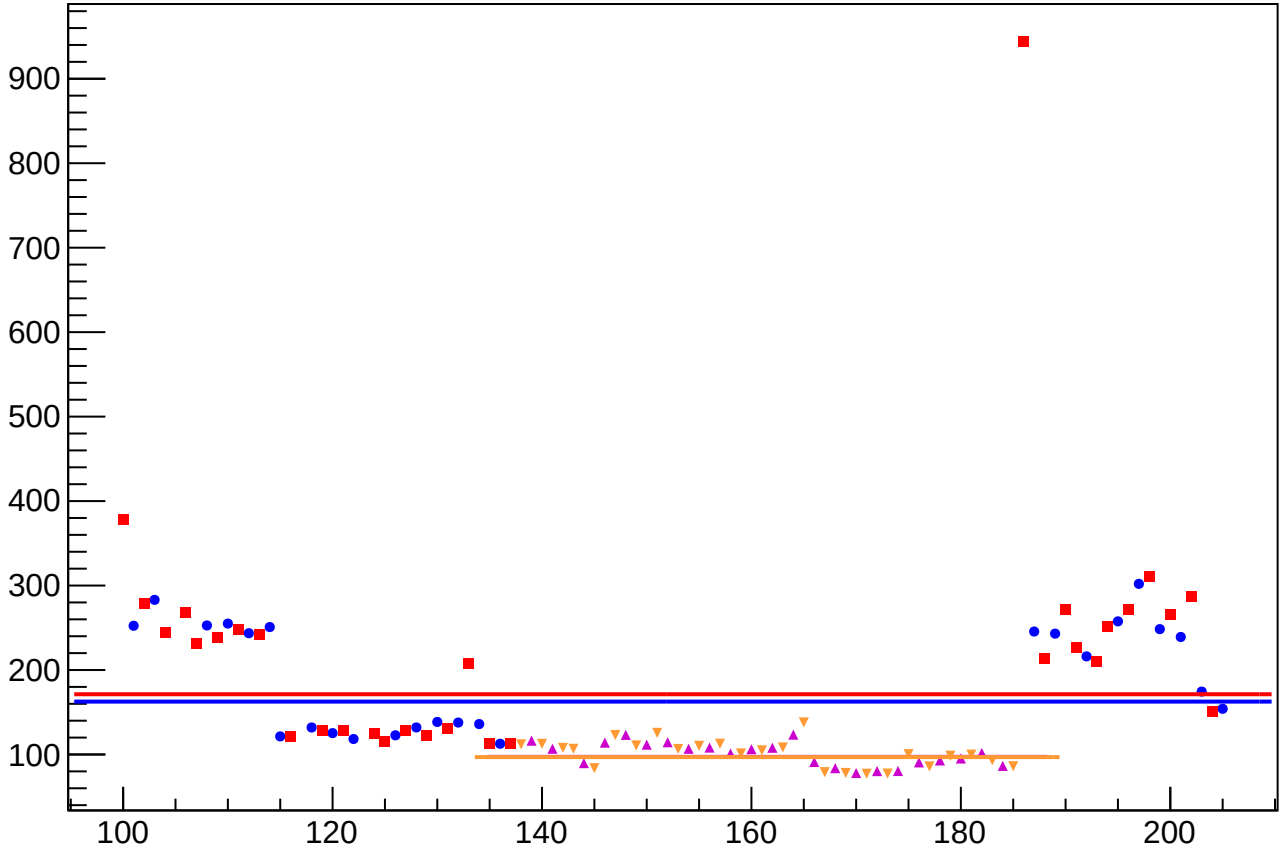
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 35.487+/-20.171 χ^2/NDF: 57.1/49

All: -5.502+/-14.471 χ^2/NDF: 140.3/102

- sign -48.974+/-20.773 χ^2/NDF: 74.7/52

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 162.602+/-0.033 χ^2/NDF: 2790367.6/24

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

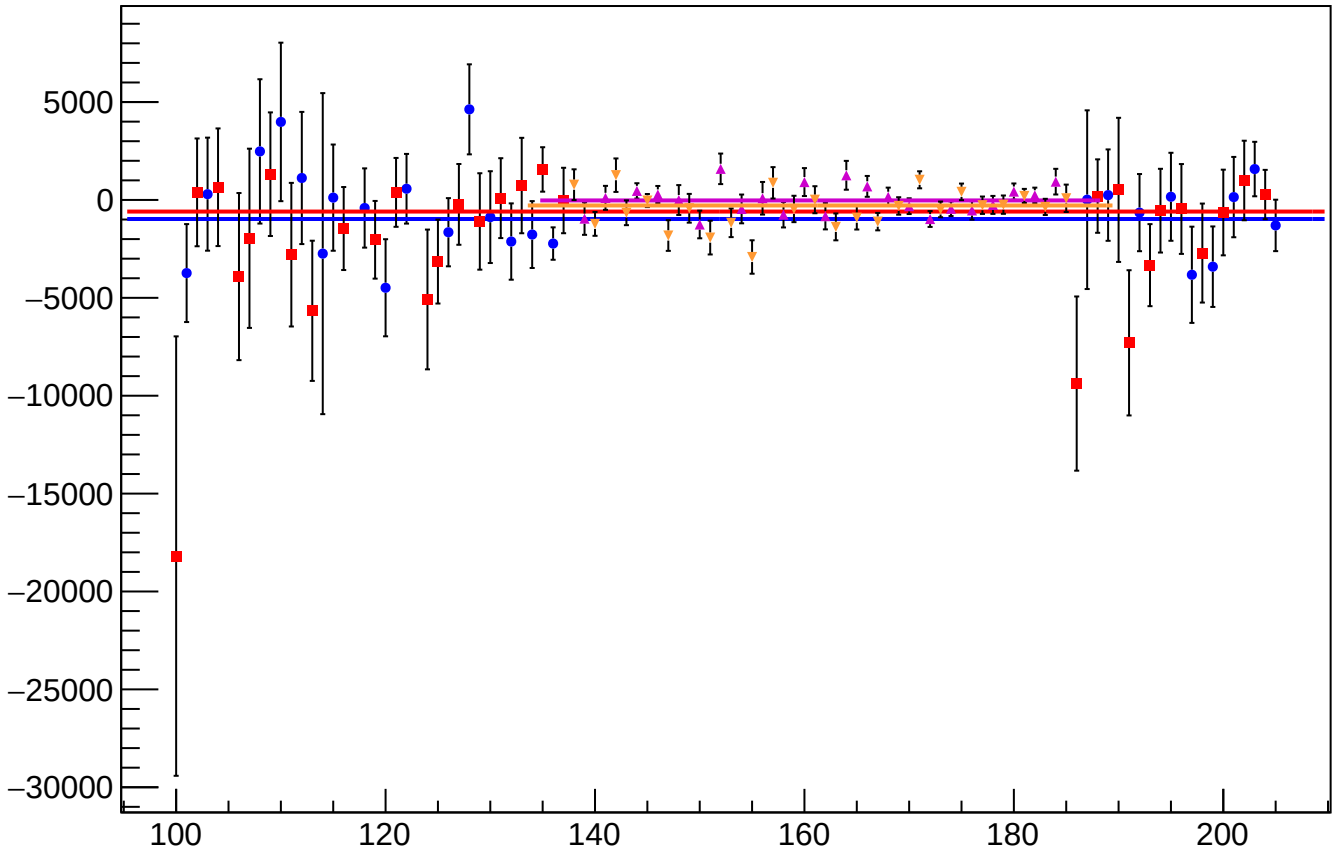
Right Out: 171.309+/-0.033 χ^2/NDF: 3945825.8/29

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 109.397+/-0.014 χ^2/NDF: 6990649.2/49

All: 110.398+/-0.010 χ^2/NDF: 15585716.8/10

- sign 111.460+/-0.015 χ^2/NDF: 8584909.4/52



Right In: -973.111+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

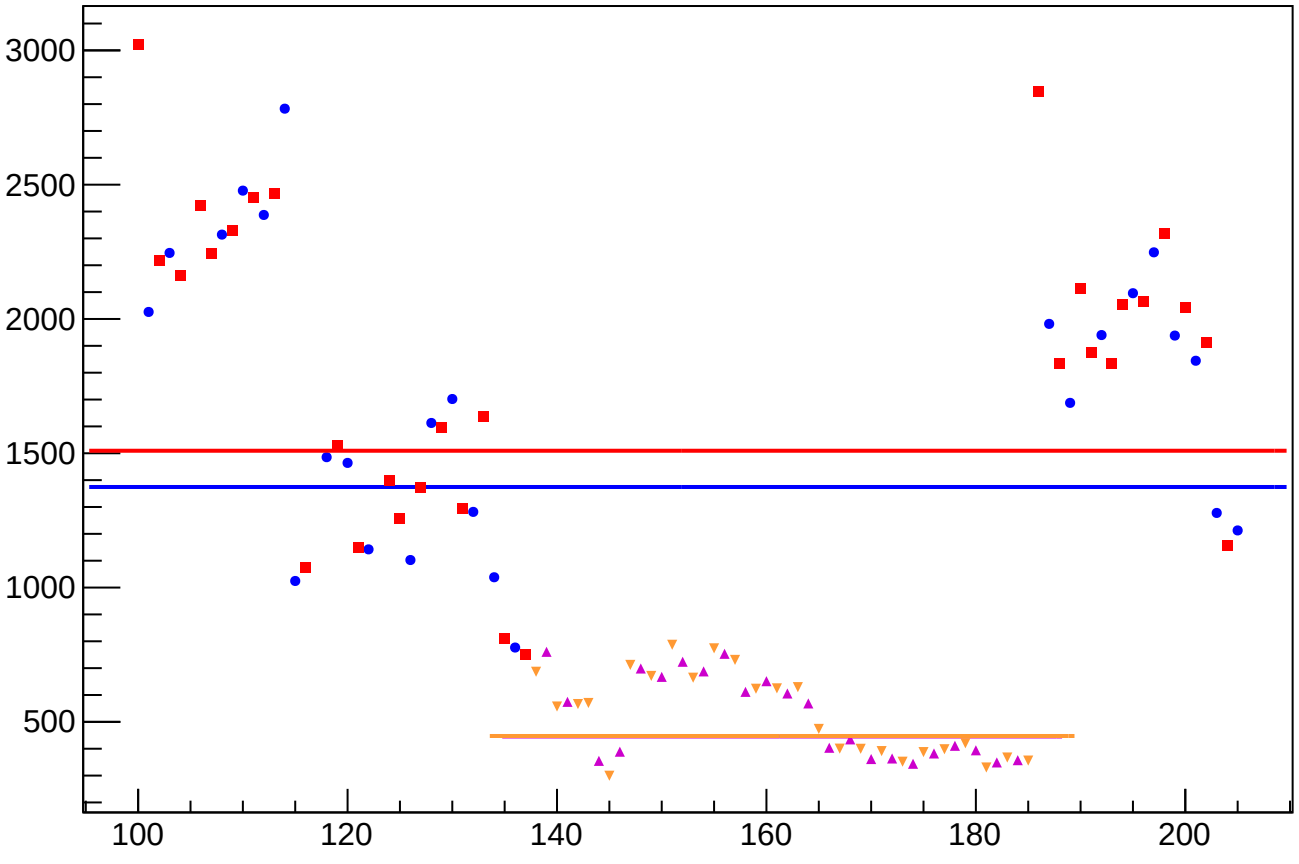
Right Out: -593.178+/-408.272 χ^2/NDF: 25.3/29

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -330.196+/-102.649 χ^2/NDF: 76.6/49

All: -199.583+/-73.471 χ^2/NDF: 140.0/102

- sign -62.379+/-105.206 χ^2/NDF: 60.1/52



Right In: 1374.458+/-0.276 χ^2/NDF: 3136050.4/24

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388498.2/29

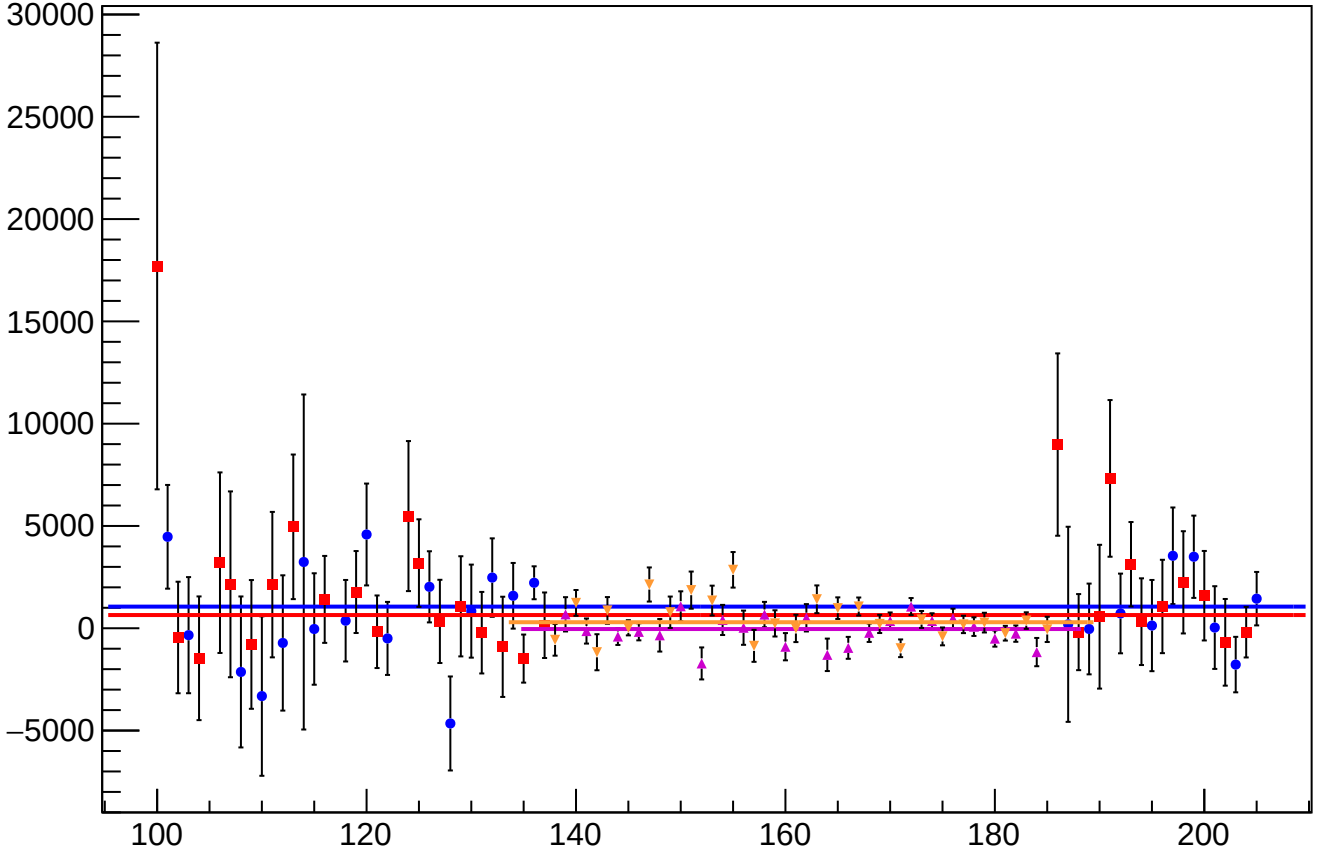
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 511.510+/-0.073 χ^2/NDF: 16837343.3/49

All: 513.767+/-0.052 χ^2/NDF: 35621121.2/10

- sign 516.139+/-0.074 χ^2/NDF: 18781794.4/52

asym_sam_26_avg_mean vs Slug



Right In: 1057.621+/-382.977 χ^2/NDF: 24.5/24

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 645.758+/-407.591 χ^2/NDF: 22.9/29

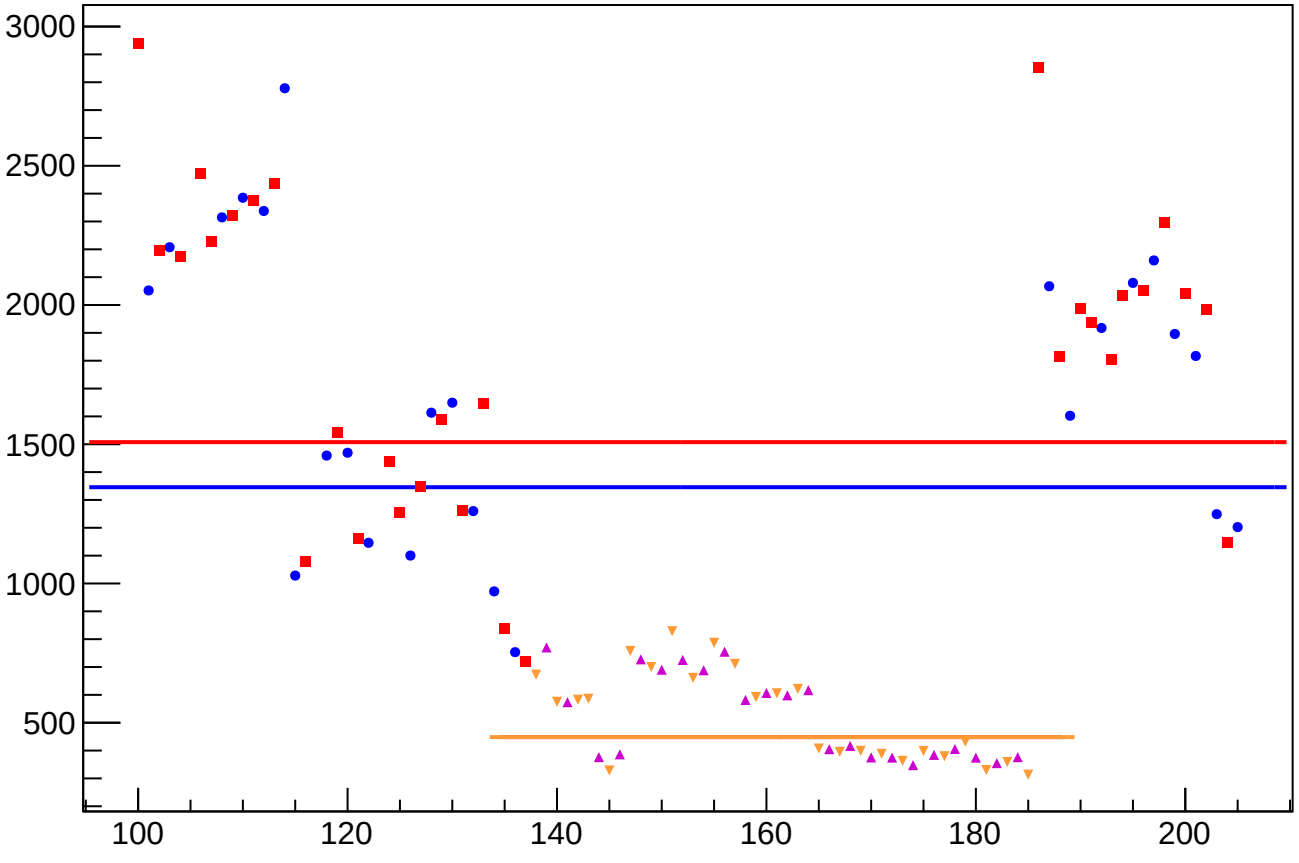
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 350.043+/-102.883 χ^2/NDF: 78.7/49

All: 183.346+/-73.686 χ^2/NDF: 142.5/102

- sign 7.783+/-105.584 χ^2/NDF: 58.5/52

asym_sam_26_avg_rms vs Slug



Right In: 1345.744+/-0.271 χ^2/NDF: 3215961.1/24

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

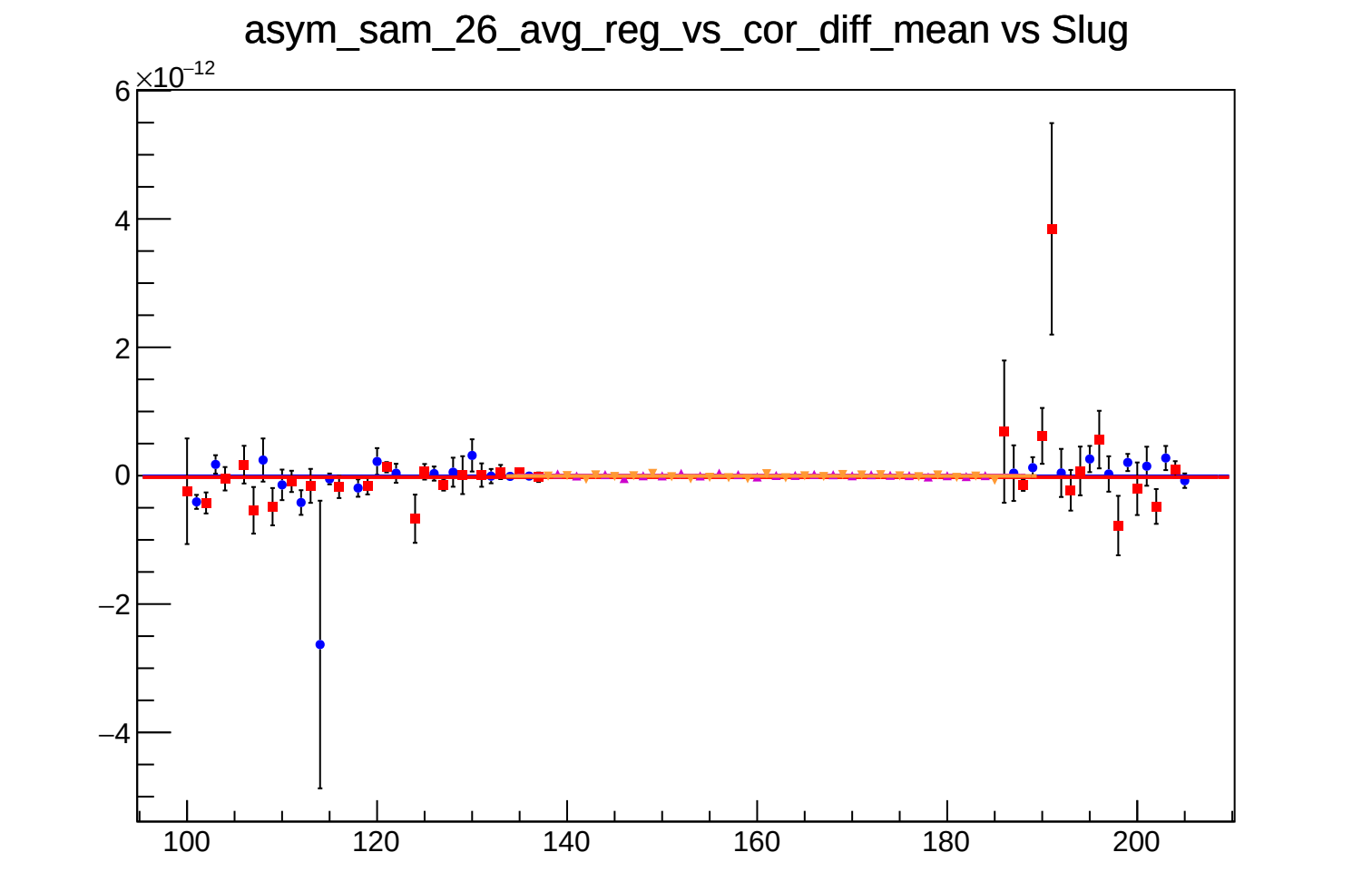
Right Out: 1507.570+/-0.288 χ^2/NDF: 3336210.5/29

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 513.047+/-0.073 χ^2/NDF: 16563209.3/49

All: 516.176+/-0.052 χ^2/NDF: 35123300.2/10

- sign 519.471+/-0.075 χ^2/NDF: 18556292.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

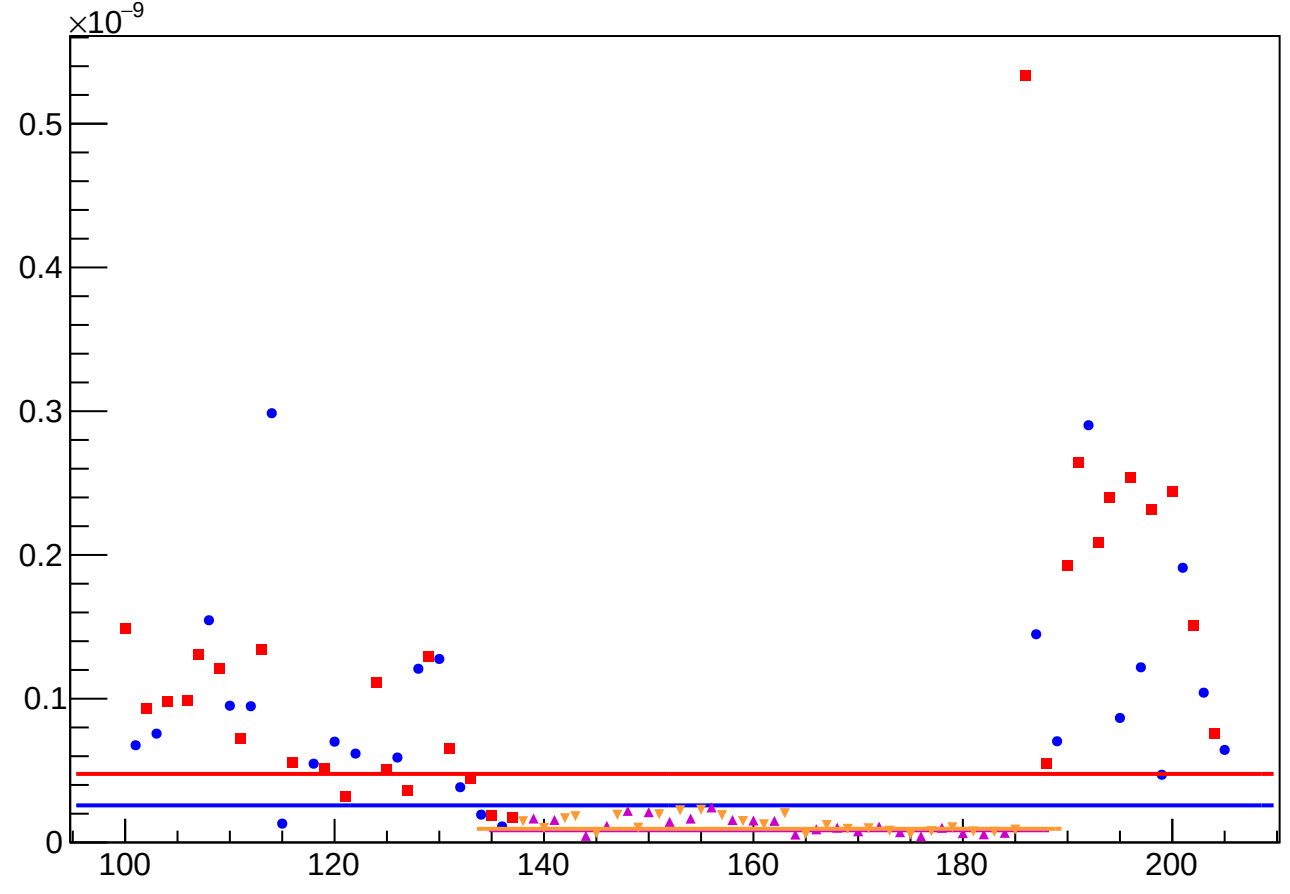
Right Out: -0.000+/-0.000 χ^2/NDF: 44.4/29

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/49

All: -0.000+/-0.000 χ^2/NDF: 122.9/102

- sign 0.000+/-0.000 χ^2/NDF: 62.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 6466204.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542429.4/29

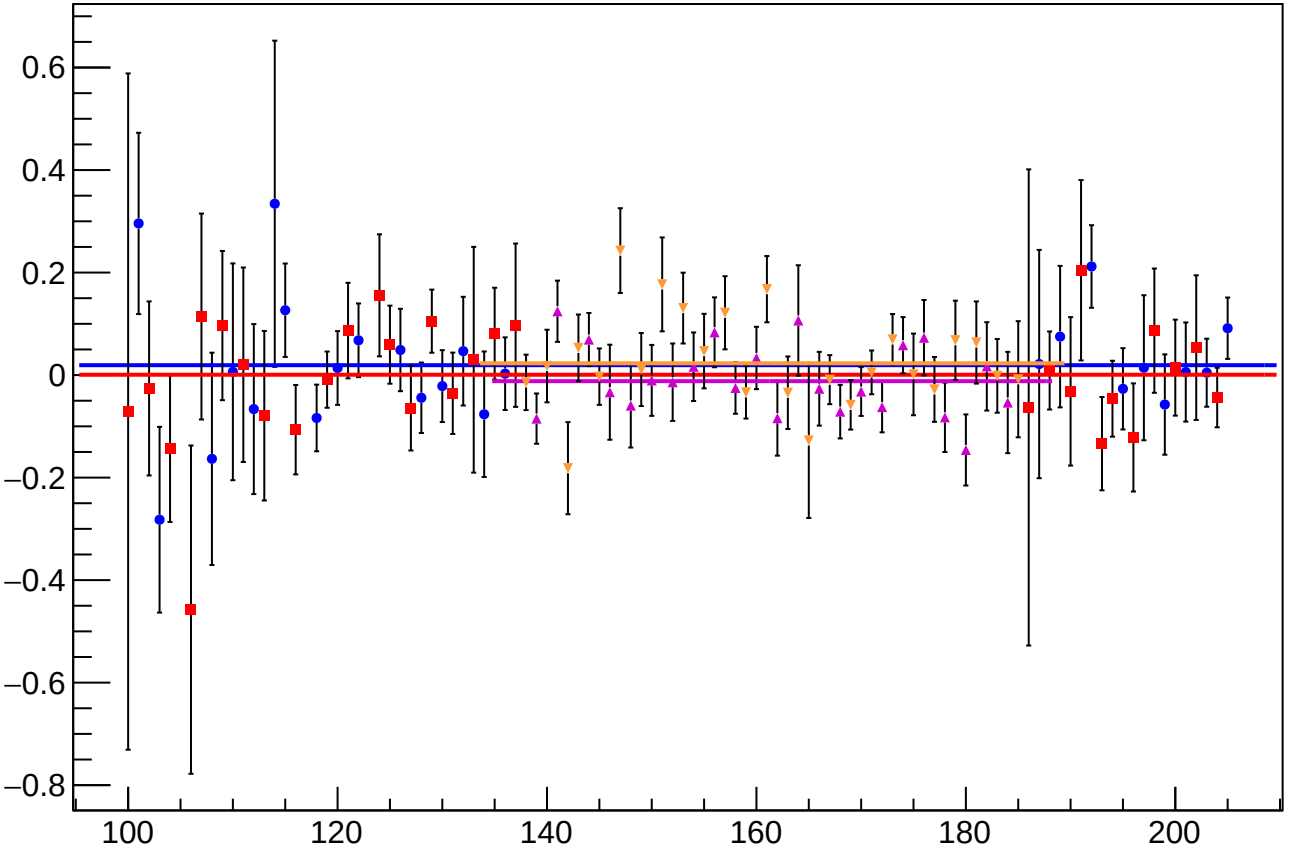
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10612063.0/49

All: 0.000+/-0.000 χ^2/NDF: 23628276.6/102

- sign 0.000+/-0.000 χ^2/NDF: 12949774.7/52

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

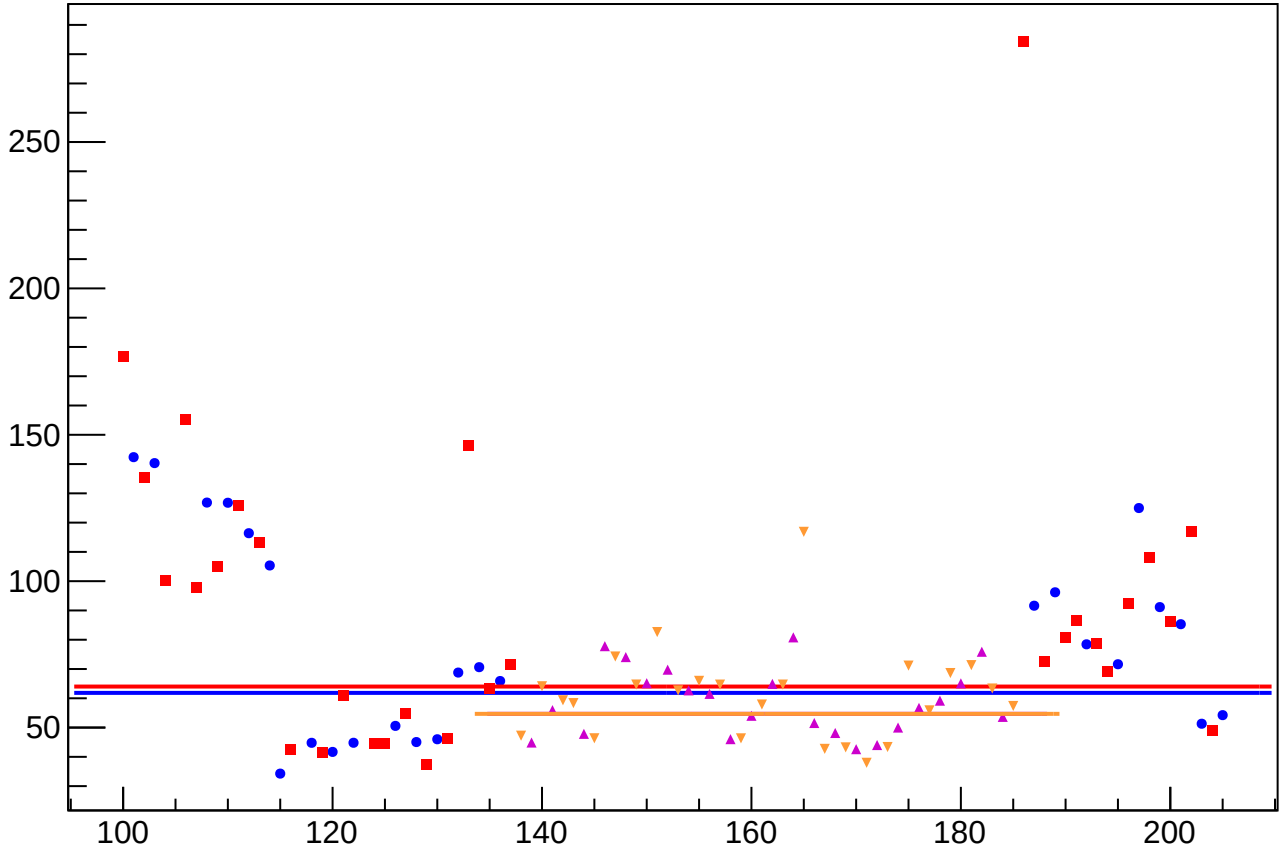
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.008 χ^2/NDF: 106.5/102

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

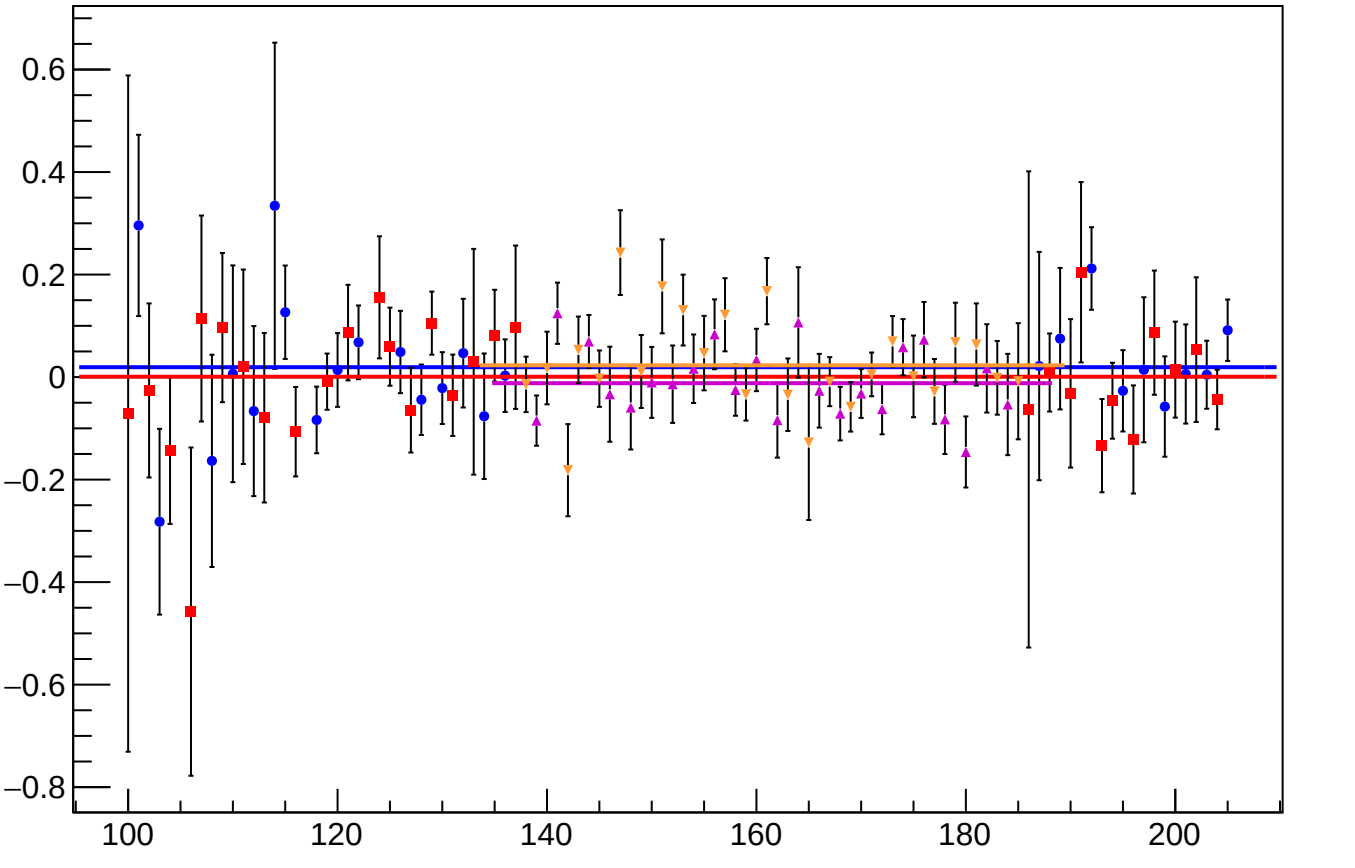
Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499159.5/49

All: 57.475+/-0.005 χ^2/NDF: 11314641.7/102

- sign 57.897+/-0.008 χ^2/NDF: 5809389.9/52



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

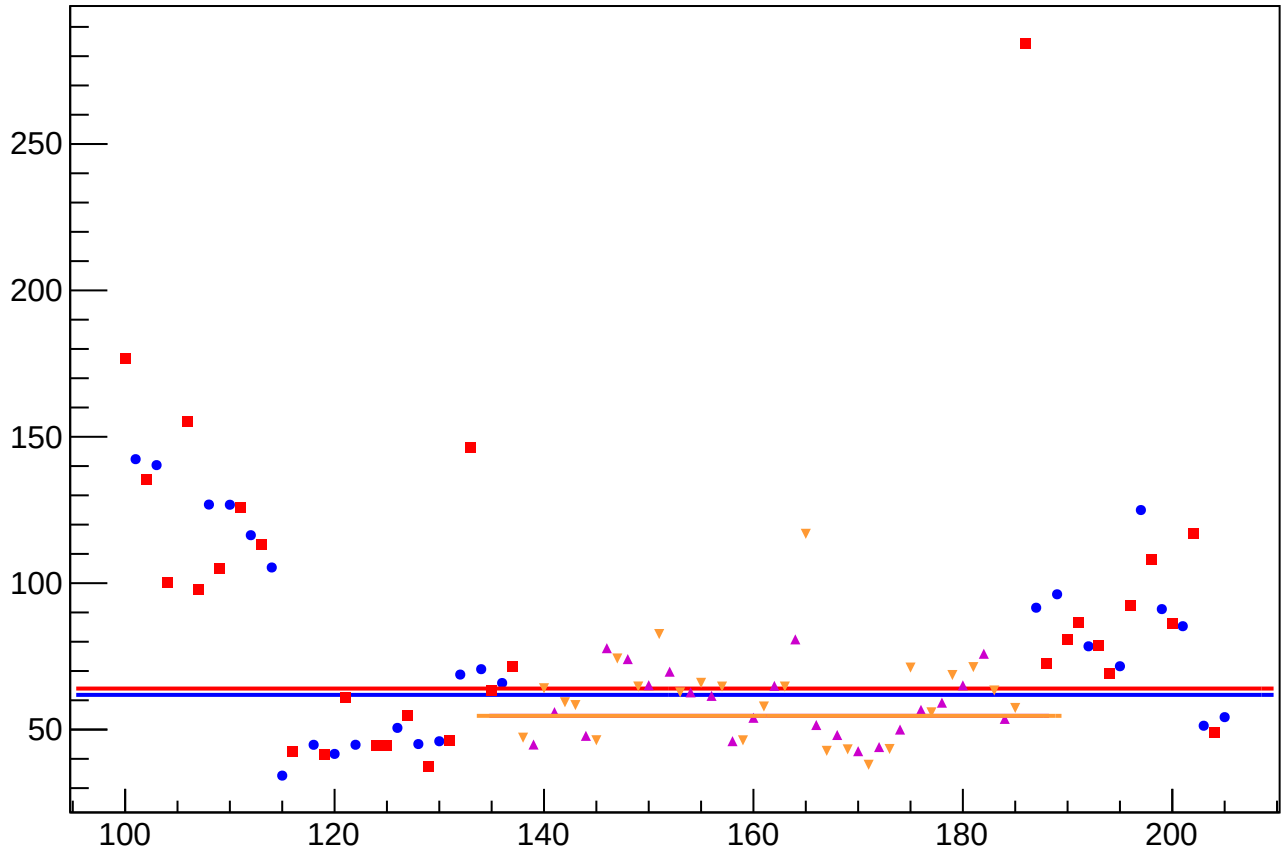
Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.008 χ^2/NDF: 106.5/102

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

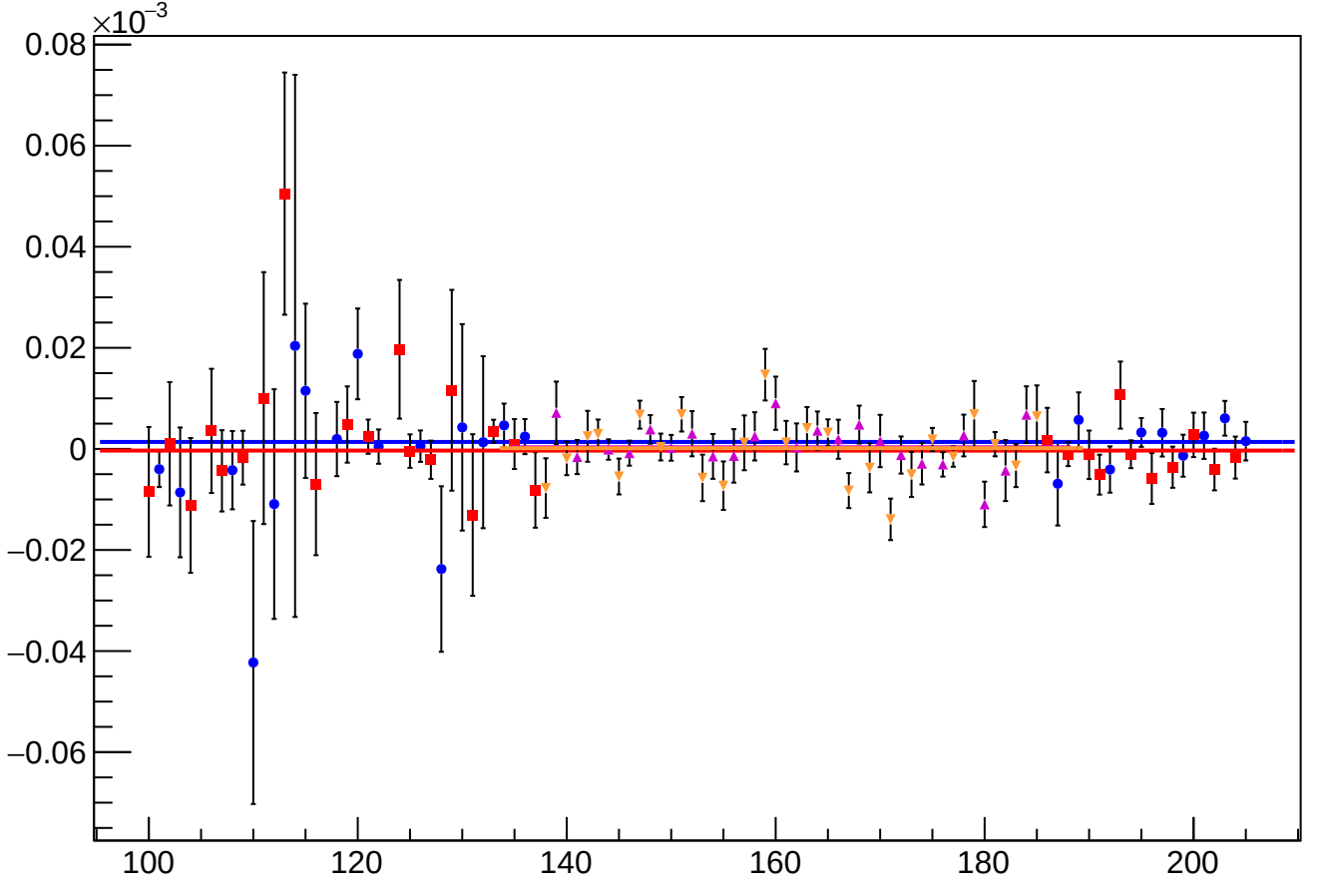
Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499159.5/49

All: 57.475+/-0.005 χ^2/NDF: 11314641.7/102

- sign 57.897+/-0.008 χ^2/NDF: 5809389.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

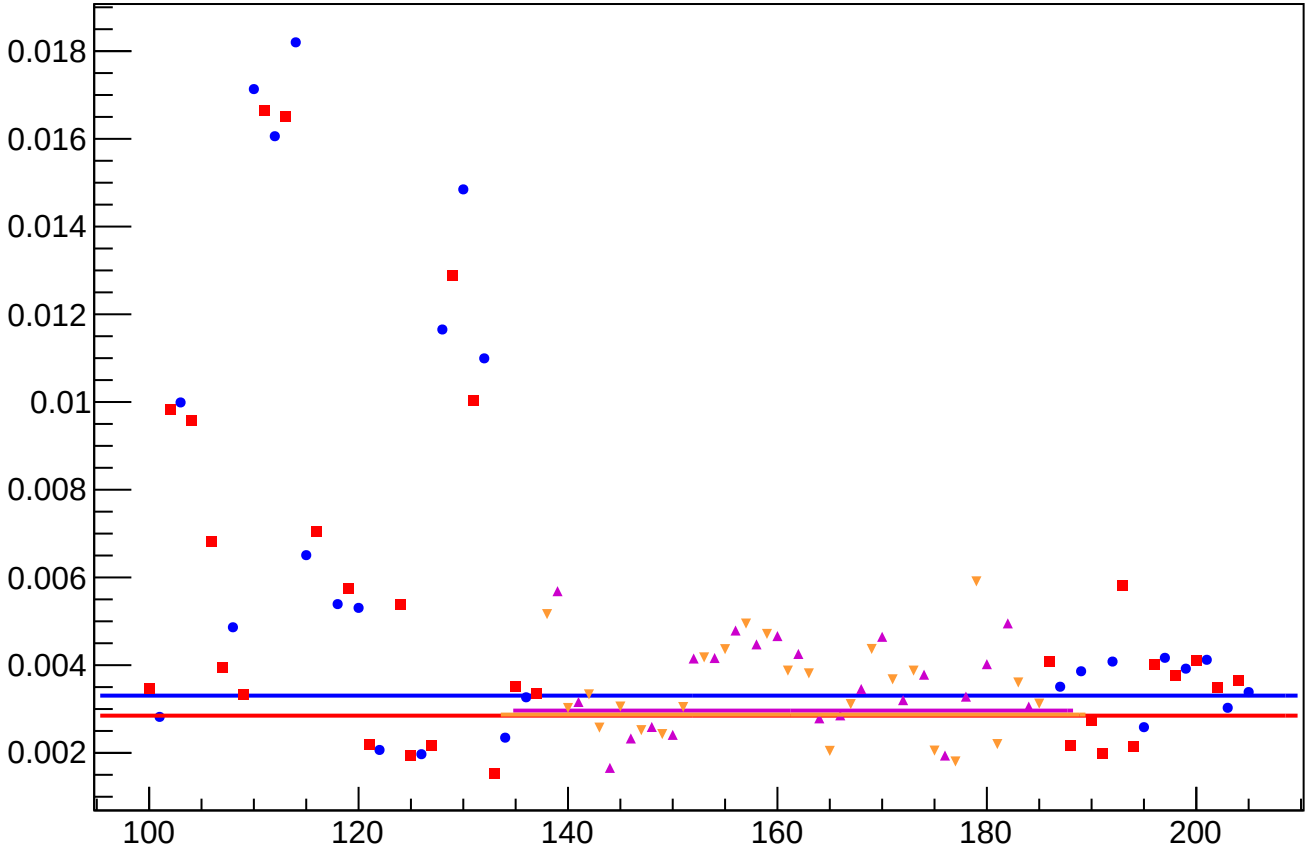
Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/49

All: 0.000+/-0.000 χ^2/NDF: 118.5/102

- sign 0.000+/-0.000 χ^2/NDF: 43.7/52

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4960248.3/24

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

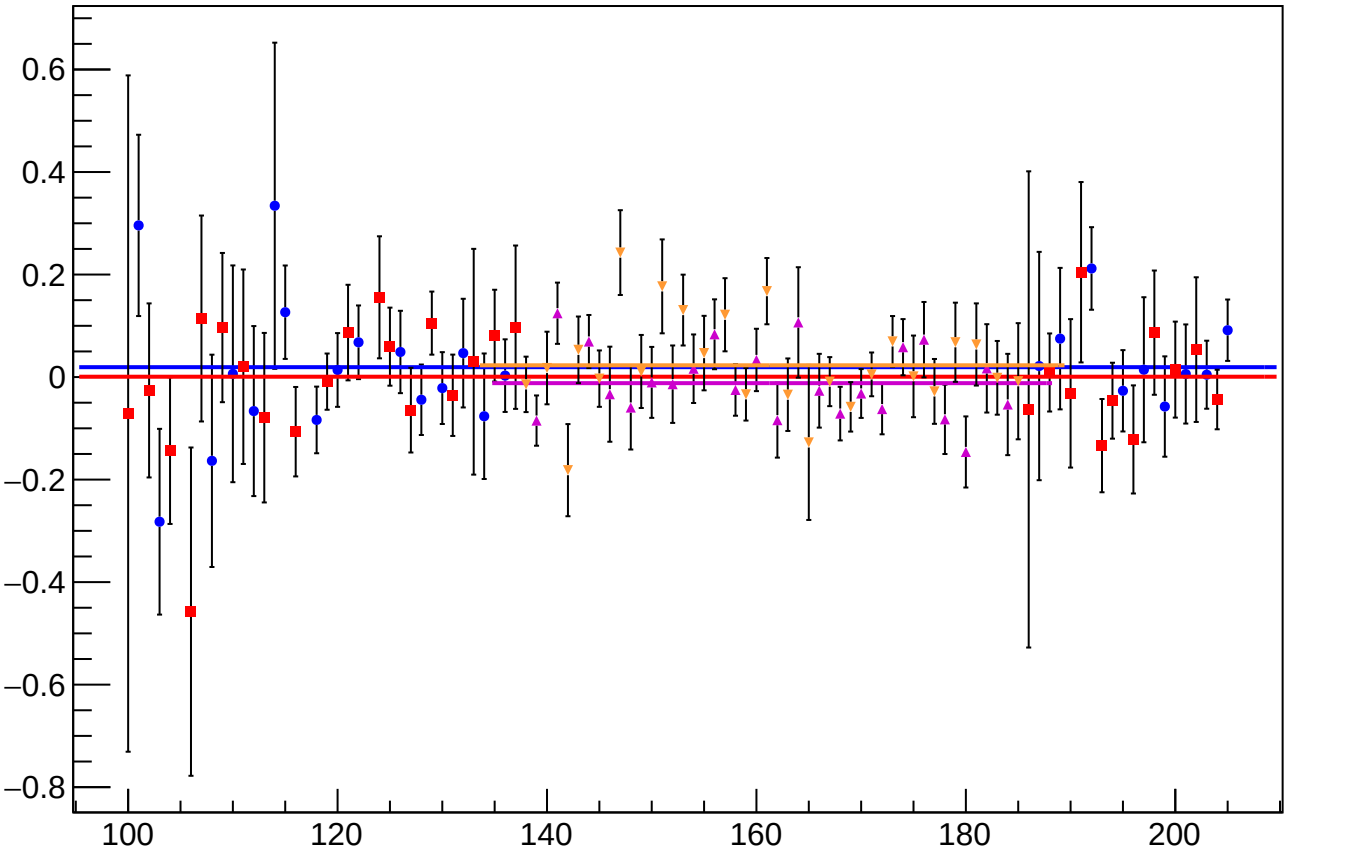
Right Out: 0.003+/-0.000 χ^2/NDF: 6528109.4/29

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8816097.8/49

All: 0.003+/-0.000 χ^2/NDF: 19013808.7/102

- sign 0.003+/-0.000 χ^2/NDF: 10167387.5/52



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

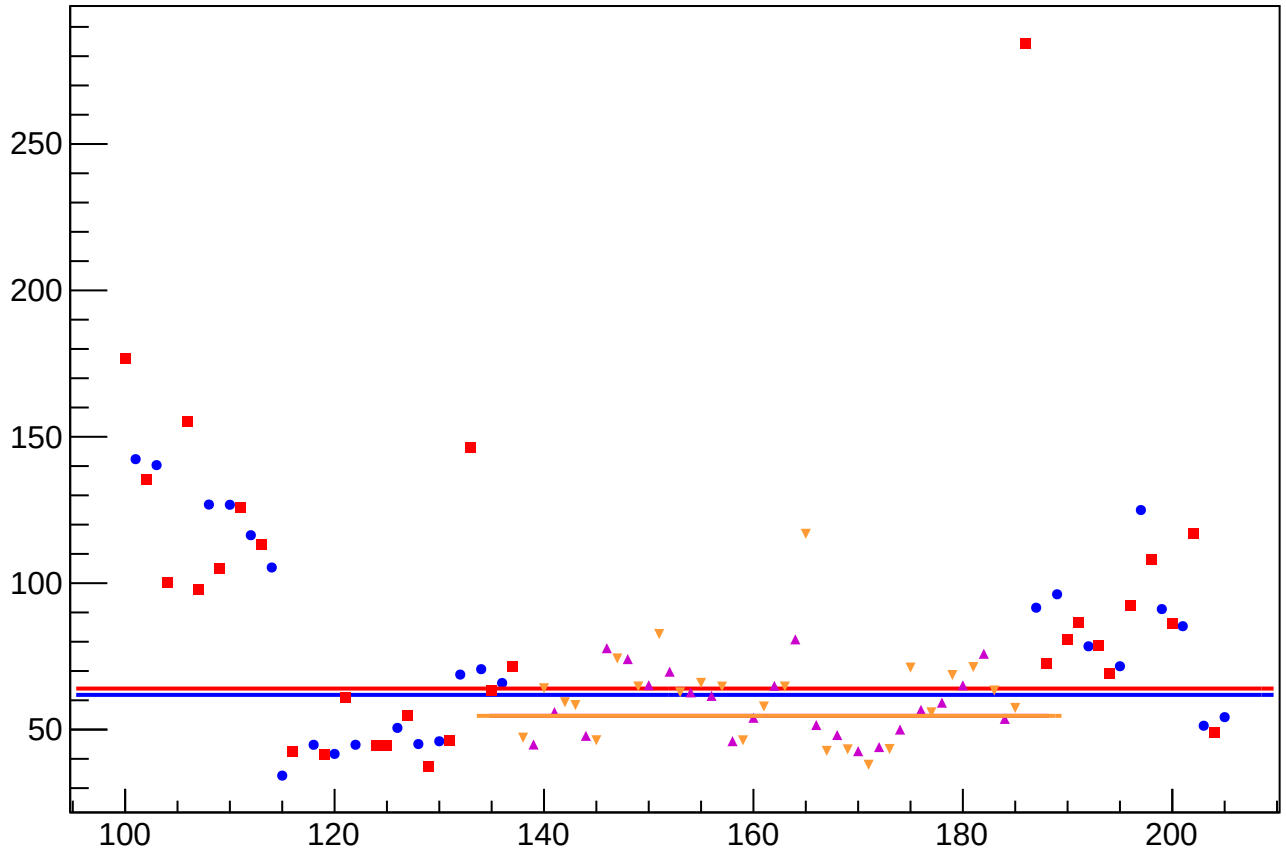
Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.008 χ^2/NDF: 106.5/102

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

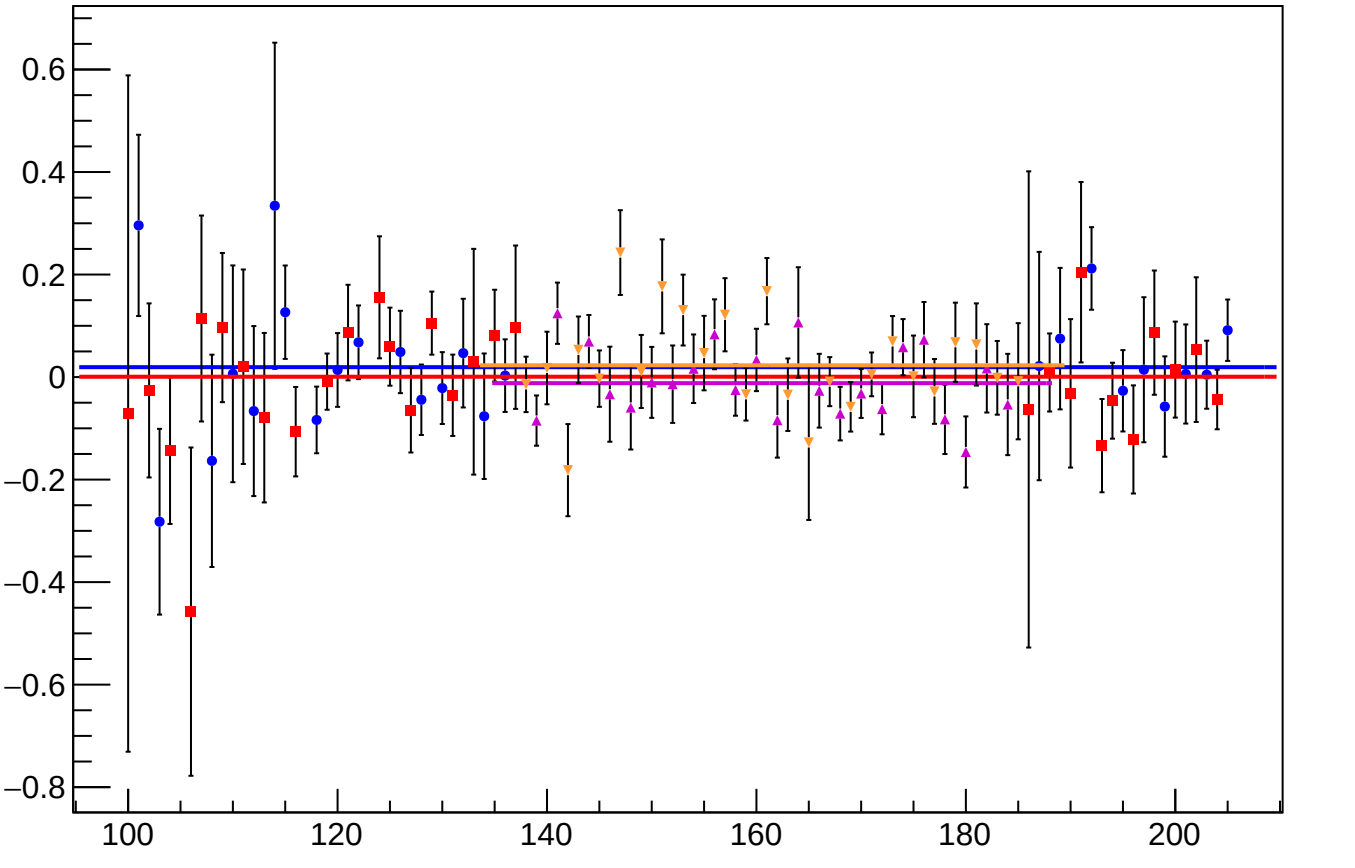
Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499097.3/49

All: 57.475+/-0.005 χ^2/NDF: 11314490.0/102

- sign 57.897+/-0.008 χ^2/NDF: 5809299.6/52



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

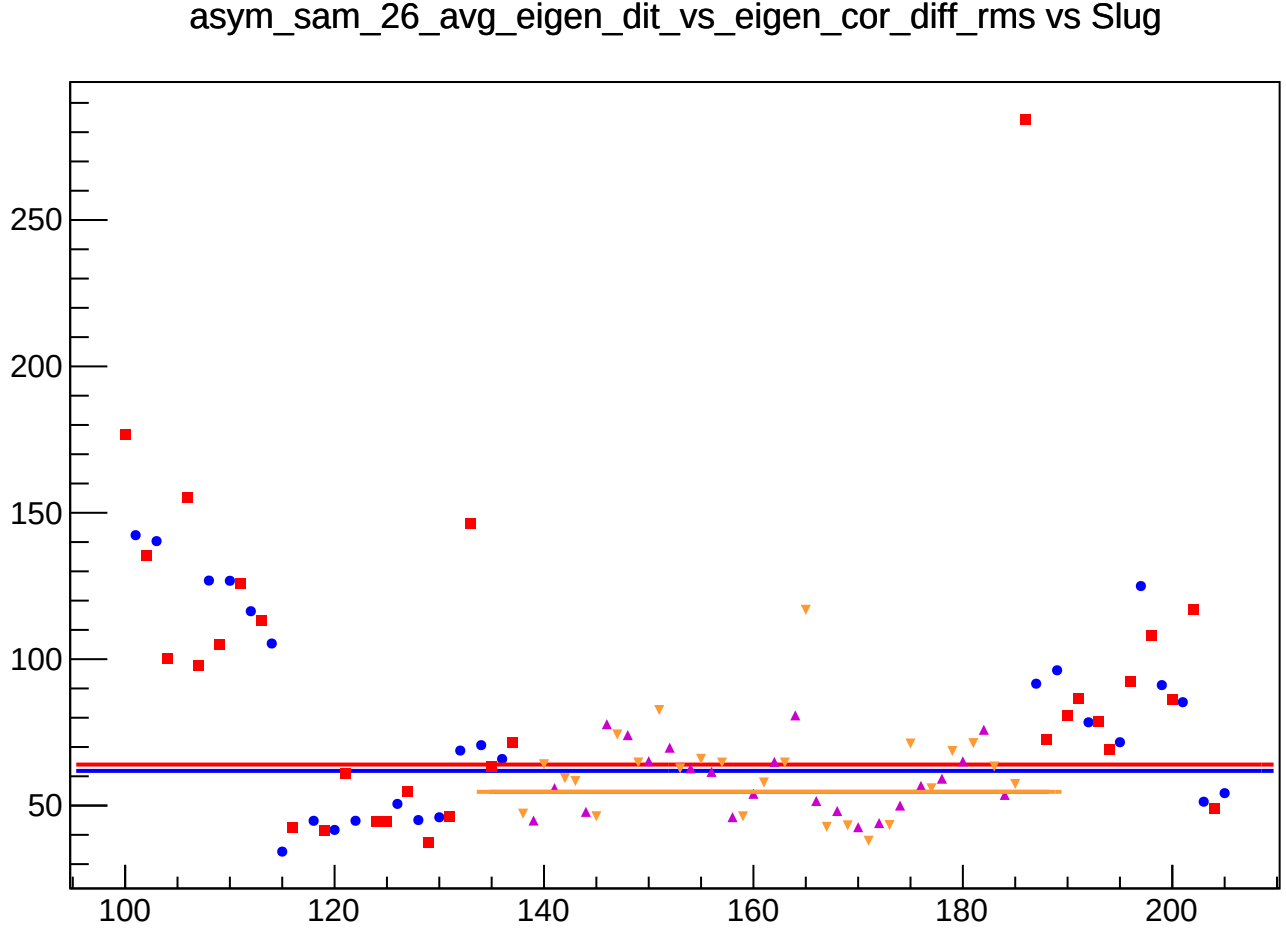
Right Out: 0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.008 χ^2/NDF: 106.5/102

- sign -0.008+/-0.011 χ^2/NDF: 46.5/52



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

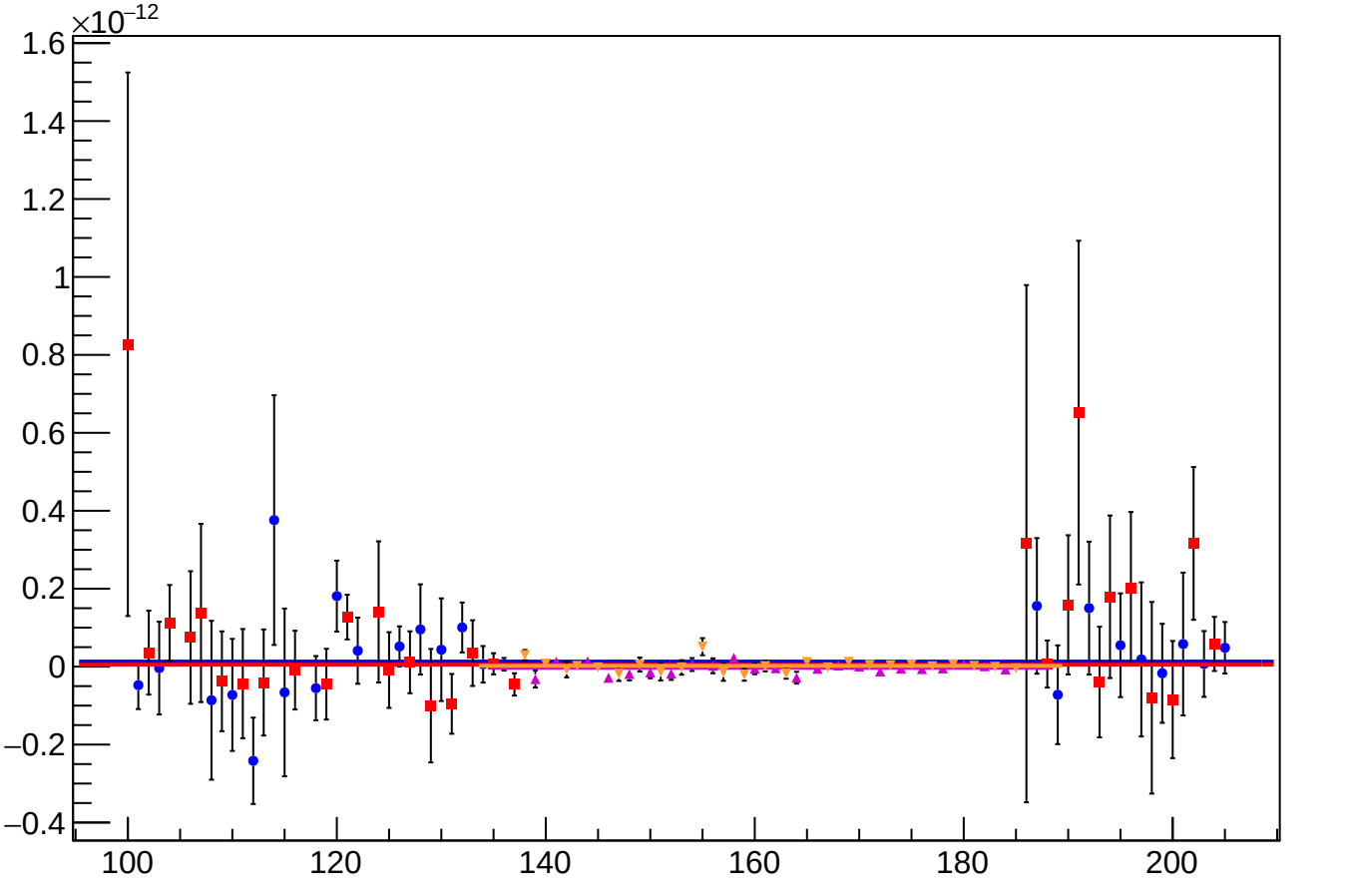
Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499097.3/49

All: 57.475+/-0.005 χ^2/NDF: 11314490.0/102

- sign 57.897+/-0.008 χ^2/NDF: 5809299.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

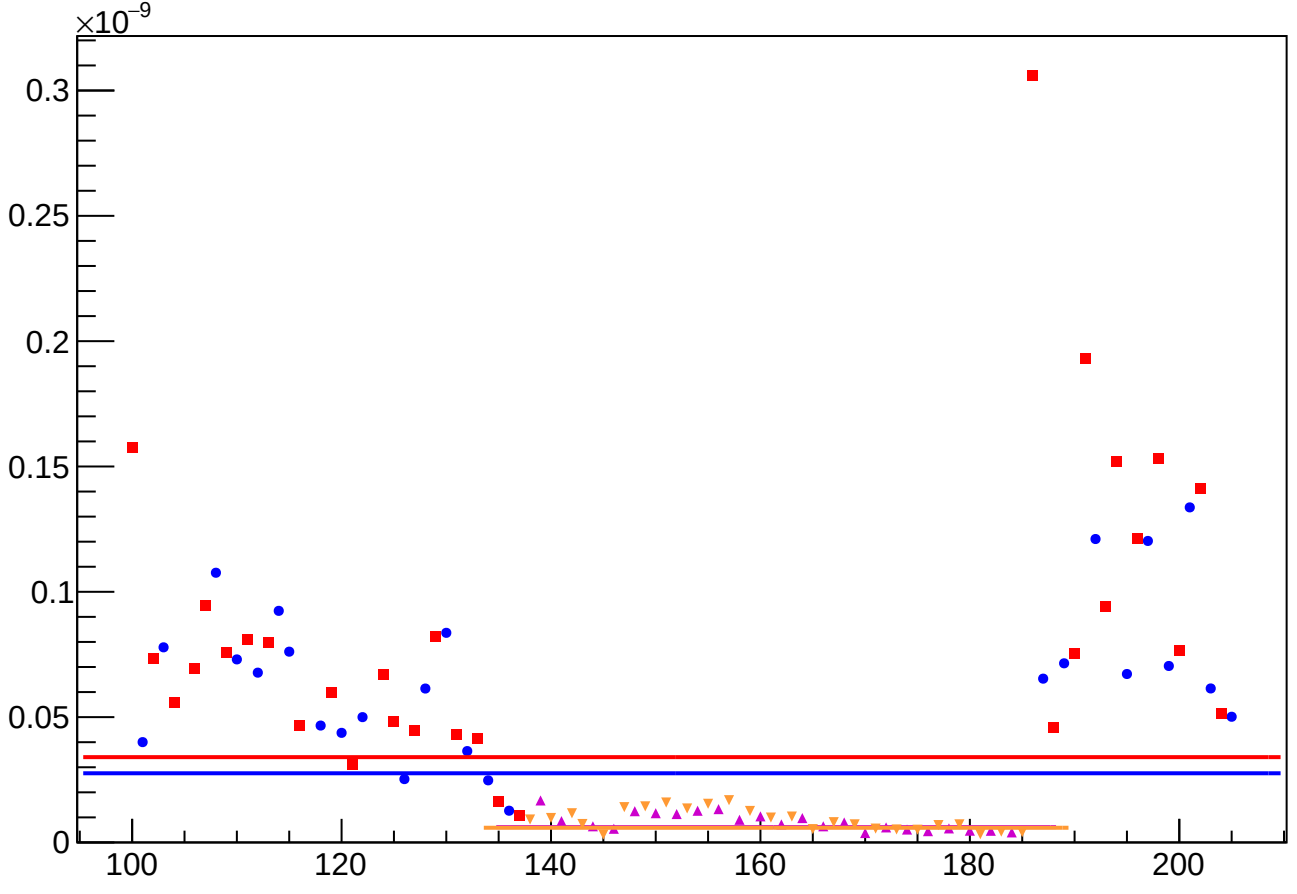
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/29

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/49

All: -0.000+/-0.000 χ^2/NDF: 99.5/102

- sign -0.000+/-0.000 χ^2/NDF: 56.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 6988080.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7632007.8/29

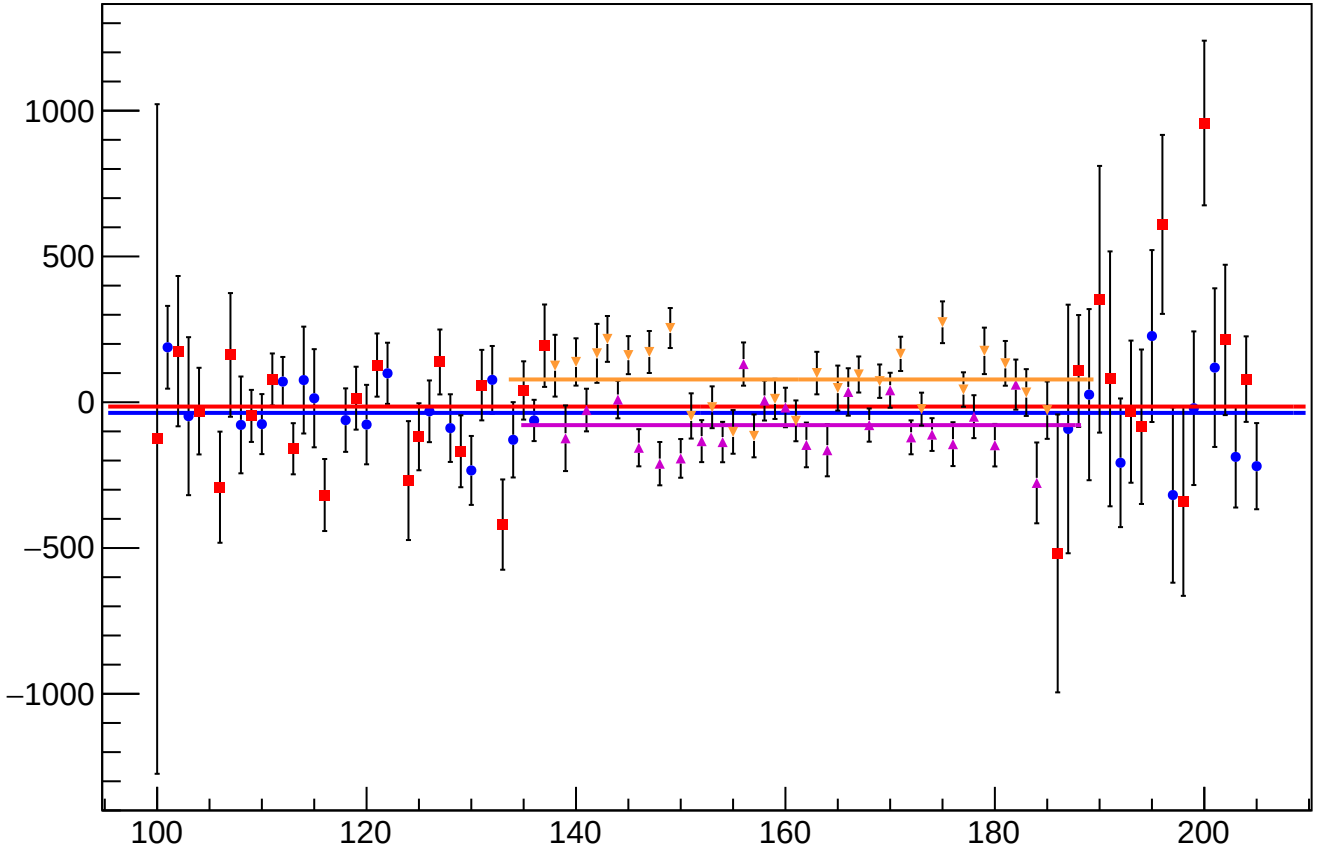
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18652067.1/49

All: 0.000+/-0.000 χ^2/NDF: 37066175.6/102

- sign 0.000+/-0.000 χ^2/NDF: 18392840.9/52

reg_asym_sam_37_avg_mean vs Slug



Right In: -36.521+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.836+/-26.707 χ^2/NDF: 51.1/29

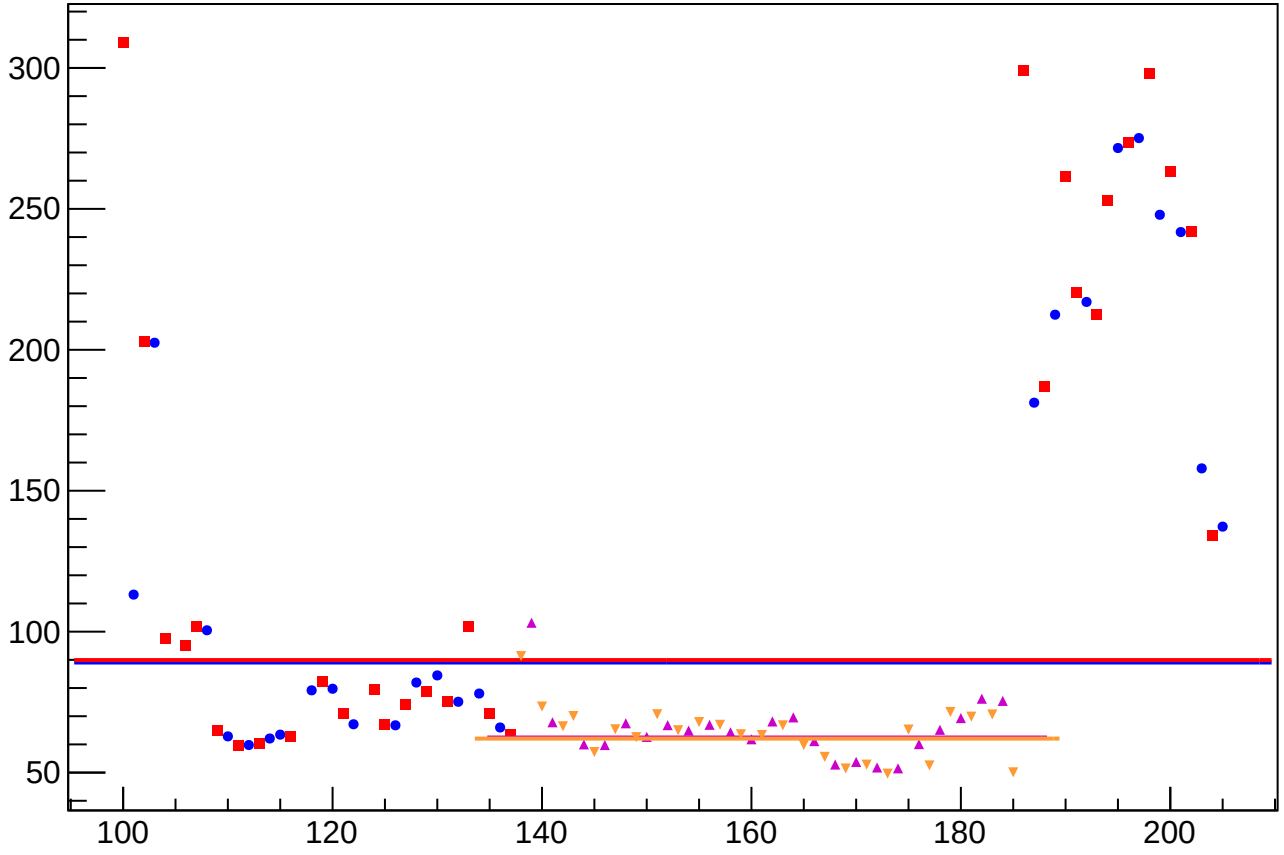
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 53.087+/-12.663 χ^2/NDF: 84.0/49

All: -3.903+/-9.055 χ^2/NDF: 217.6/102

- sign -63.530+/-12.953 χ^2/NDF: 92.1/52

reg_asym_sam_37_avg_rms vs Slug



Right In: 89.056+/-0.019 χ^2/NDF: 5880288.6/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

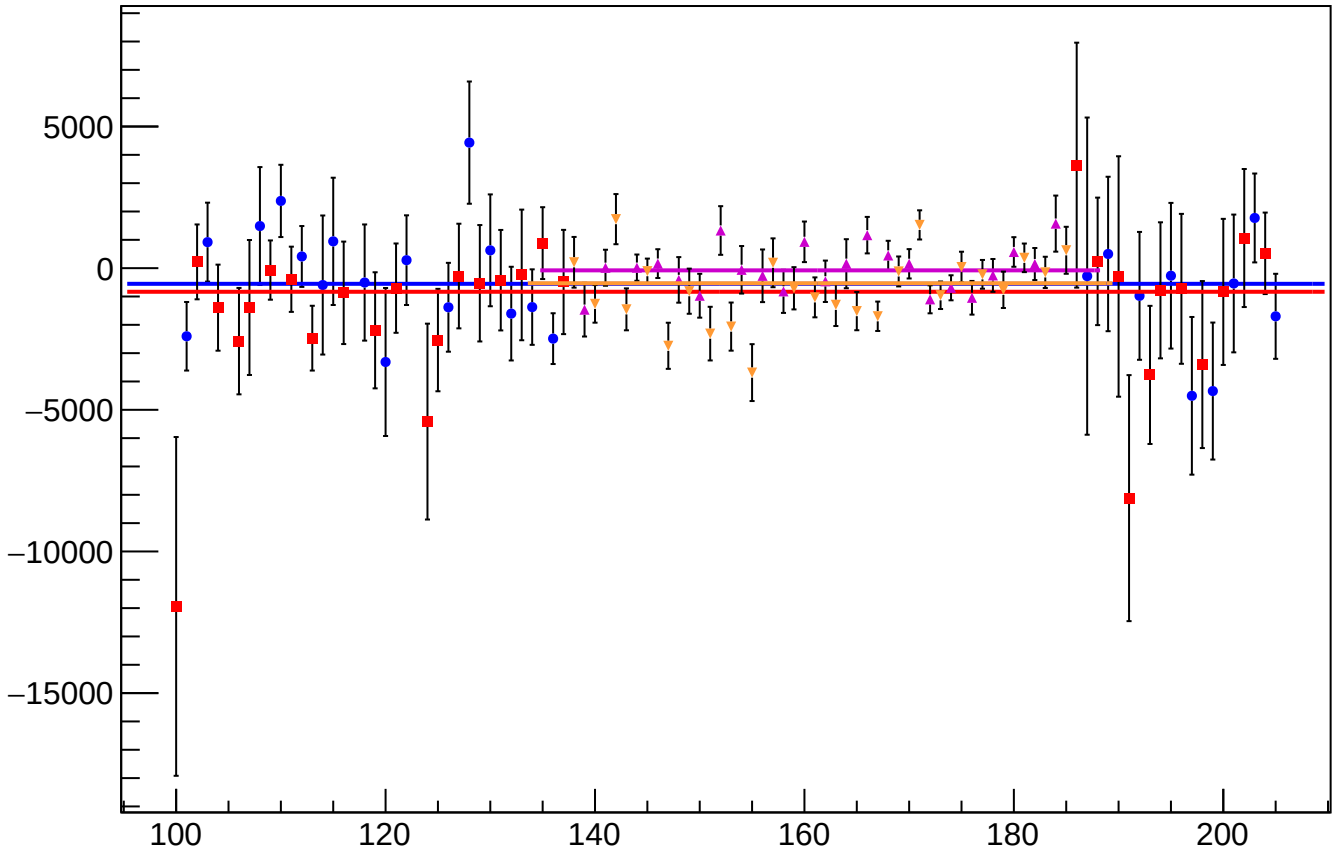
Right Out: 89.919+/-0.019 χ^2/NDF: 7363784.9/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.964+/-0.009 χ^2/NDF: 8119259.6/49

All: 68.425+/-0.006 χ^2/NDF: 17771749.3/102

- sign 68.907+/-0.009 χ^2/NDF: 9647064.7/52



Right In: -552.408+/-334.380 χ^2/NDF: 31.2/24

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -833.284+/-333.732 χ^2/NDF: 20.9/29

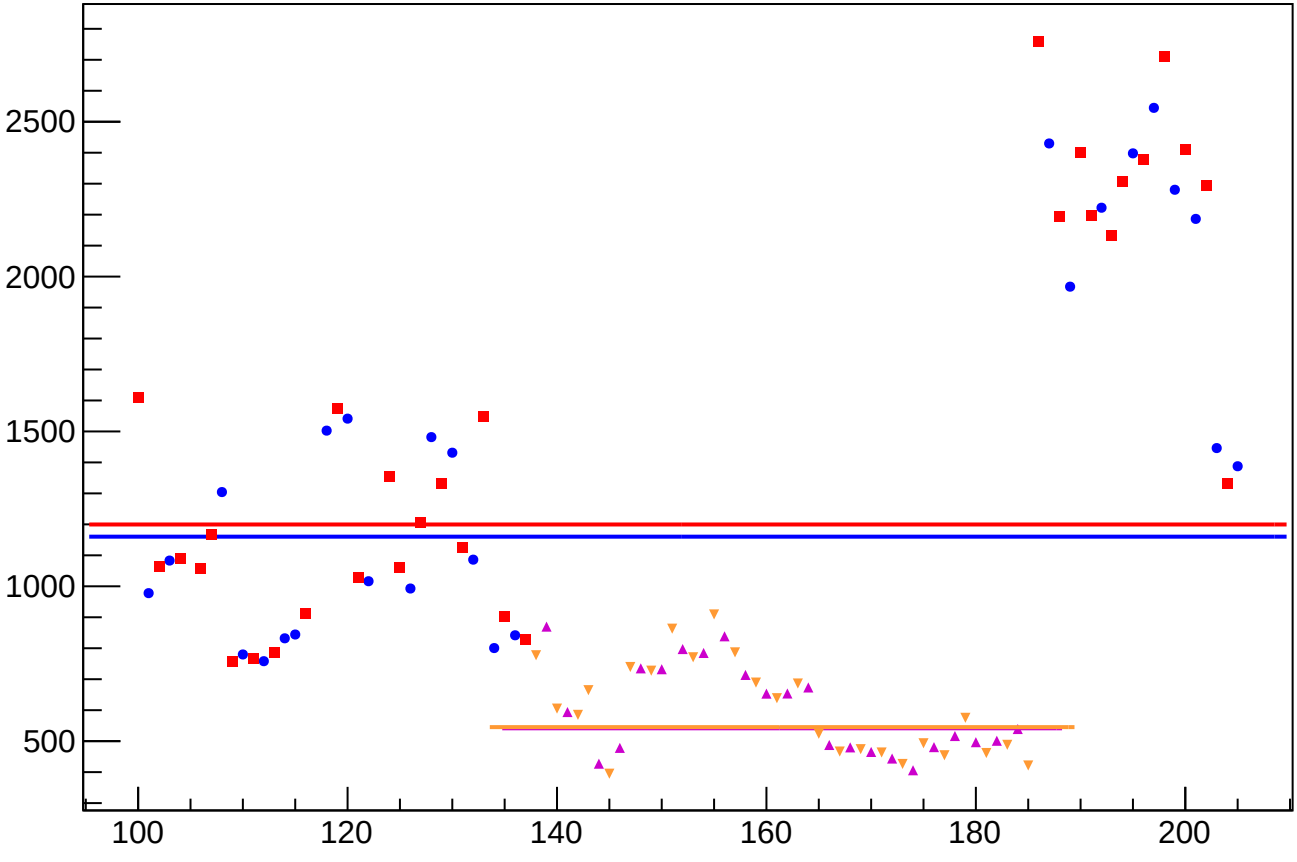
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -535.285+/-119.481 χ^2/NDF: 100.3/49

All: -359.180+/-85.153 χ^2/NDF: 158.4/102

- sign -177.401+/-121.391 χ^2/NDF: 53.7/52

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1160.267+/-0.236 χ^2/NDF: 3793754.9/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1199.600+/-0.236 χ^2/NDF: 4775782.6/29

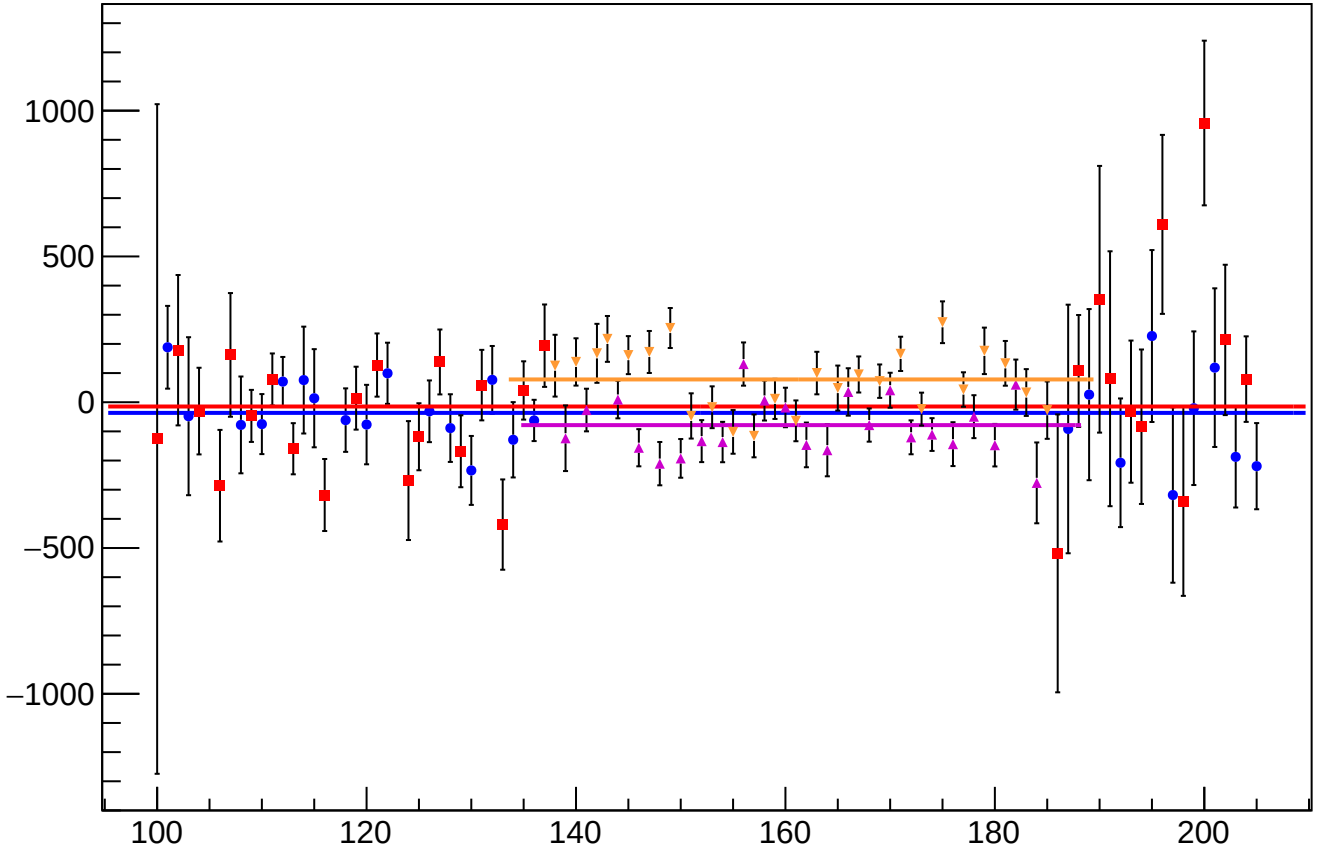
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 623.822+/-0.084 χ^2/NDF: 11778432.1/49

All: 626.140+/-0.060 χ^2/NDF: 25145117.4/10

- sign 628.533+/-0.086 χ^2/NDF: 13365155.0/52

cor_asym_sam_37_avg_mean vs Slug



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.657+/-26.710 χ^2/NDF: 51.0/29

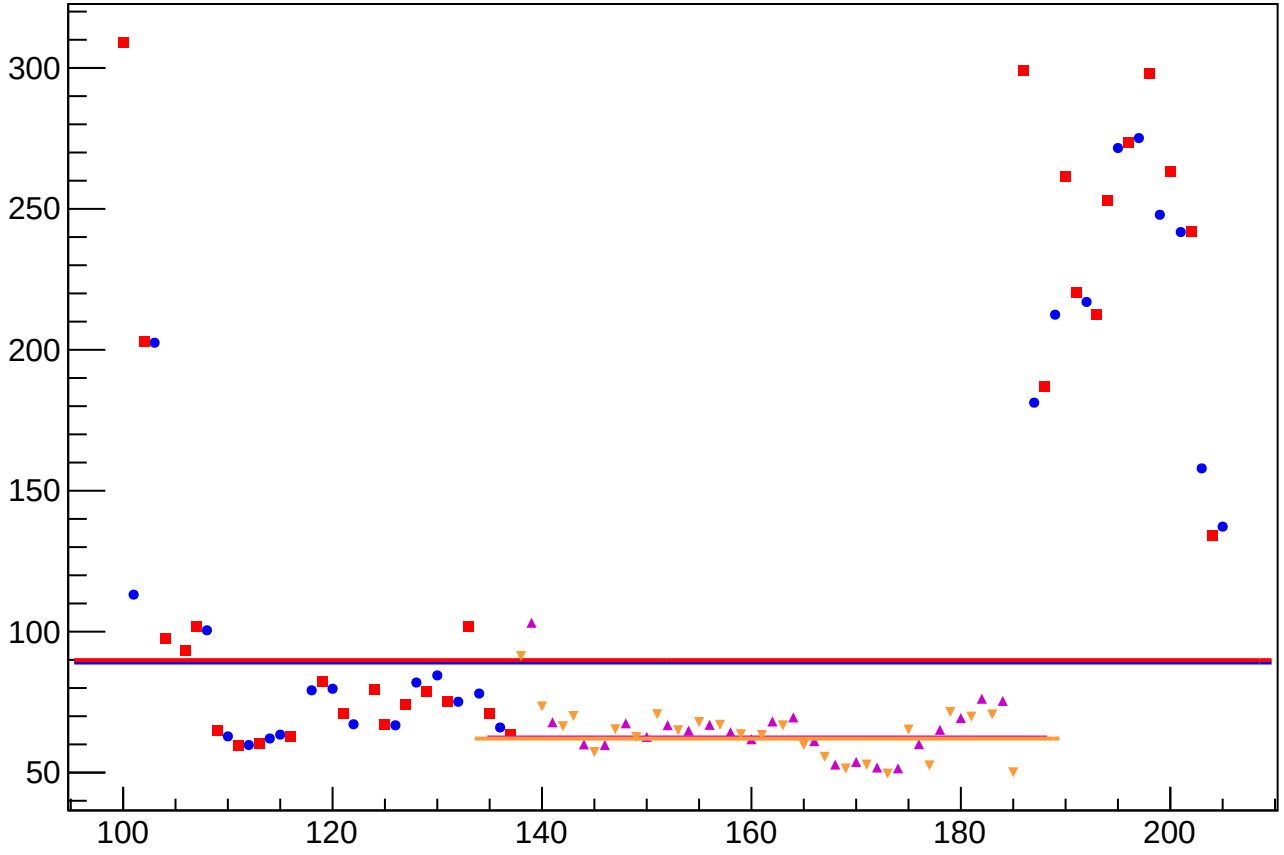
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 53.088+/-12.663 χ^2/NDF: 84.0/49

All: -3.882+/-9.055 χ^2/NDF: 217.5/102

- sign -63.490+/-12.953 χ^2/NDF: 92.1/52

cor_asym_sam_37_avg_rms vs Slug



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

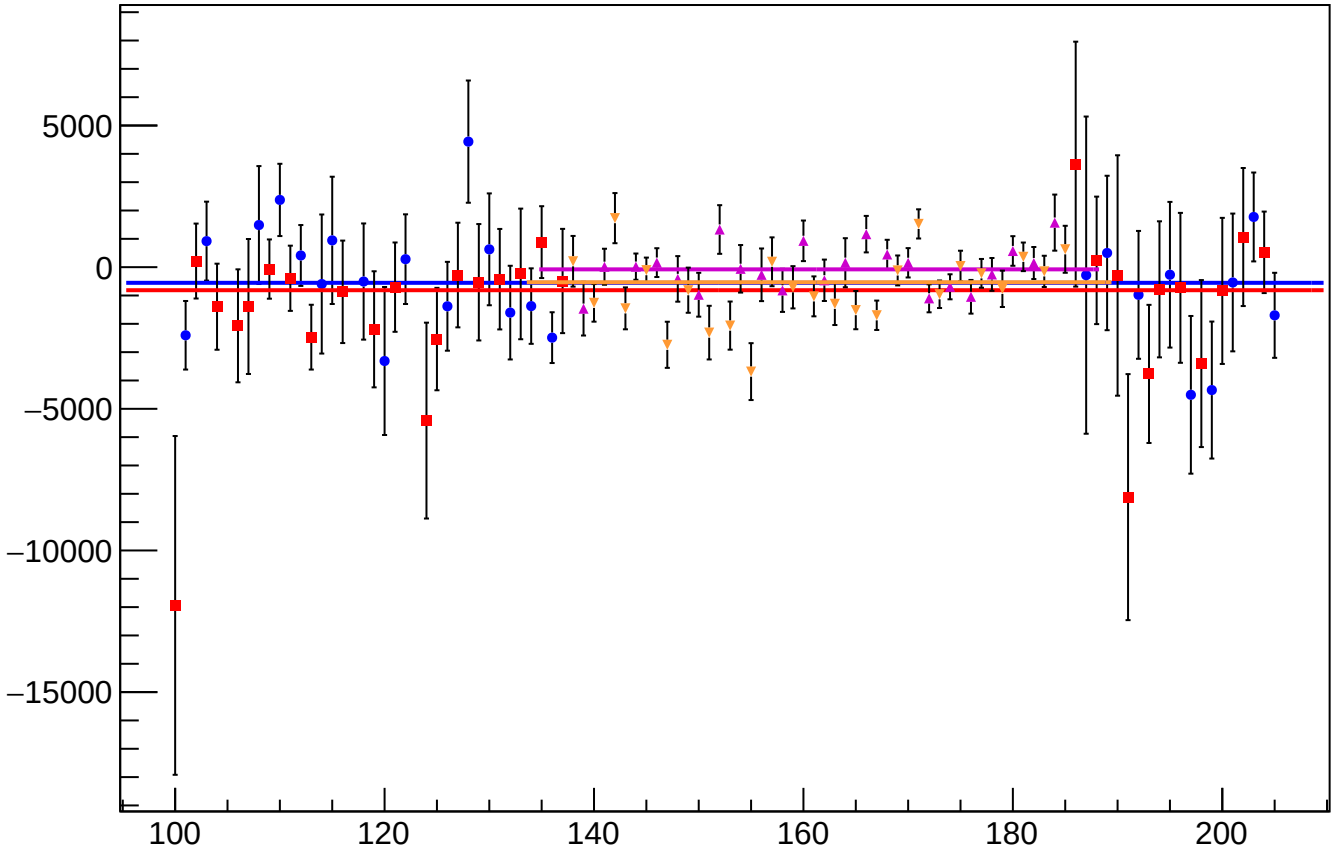
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.964+/-0.009 χ^2/NDF: 8119261.5/49

All: 68.421+/-0.006 χ^2/NDF: 17766840.9/102

- sign 68.899+/-0.009 χ^2/NDF: 9642256.1/52

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -813.383+/-334.347 χ^2/NDF: 20.4/29

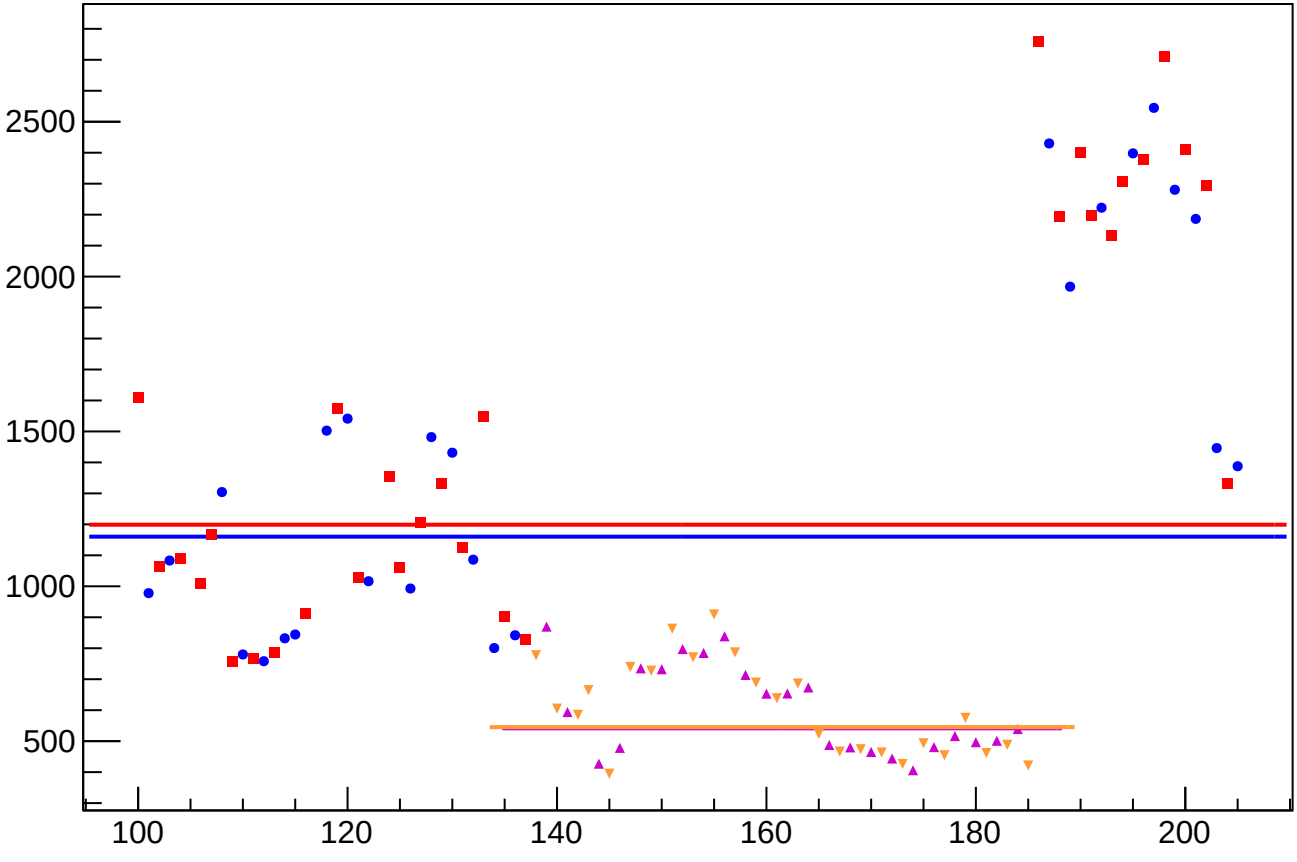
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -535.281+/-119.481 χ^2/NDF: 100.3/49

All: -357.773+/-85.163 χ^2/NDF: 157.8/102

- sign -174.457+/-121.420 χ^2/NDF: 53.0/52

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

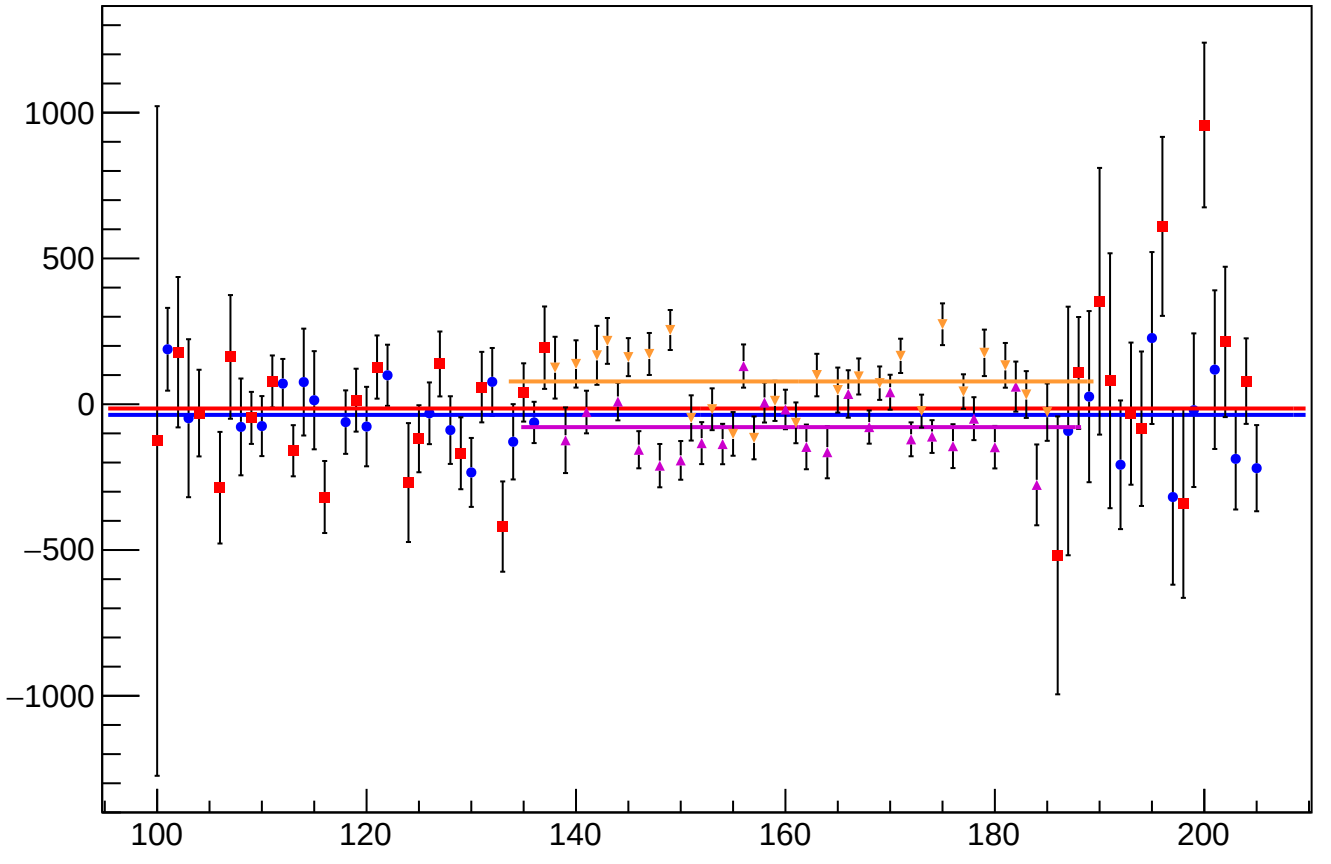
Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 623.822+/-0.084 χ^2/NDF: 11778488.1/49

All: 625.952+/-0.060 χ^2/NDF: 25113942.2/10

- sign 628.153+/-0.086 χ^2/NDF: 13334161.4/52



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -14.657+/-26.710 χ^2/NDF: 51.0/29

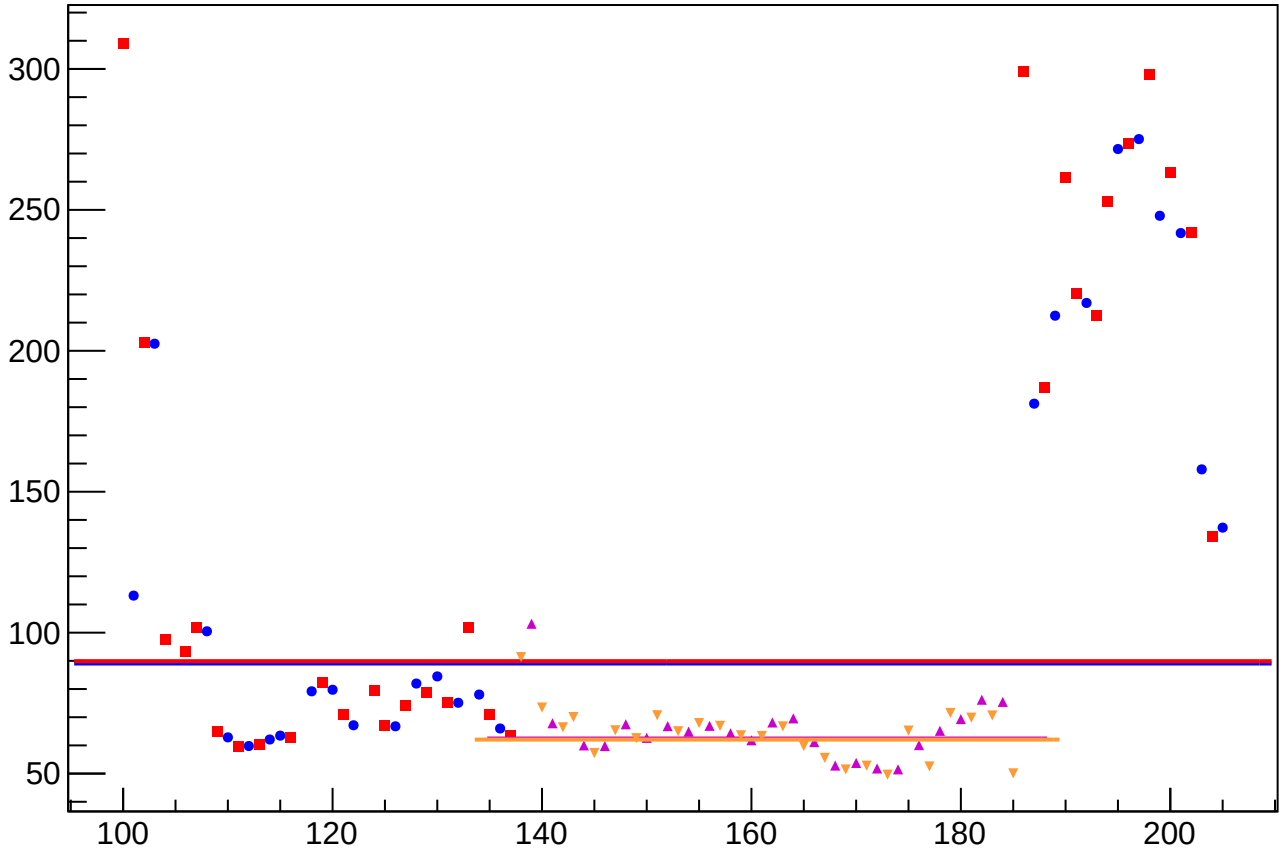
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 53.088+/-12.663 χ^2/NDF: 84.0/49

All: -3.882+/-9.055 χ^2/NDF: 217.5/102

- sign -63.490+/-12.953 χ^2/NDF: 92.1/52

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

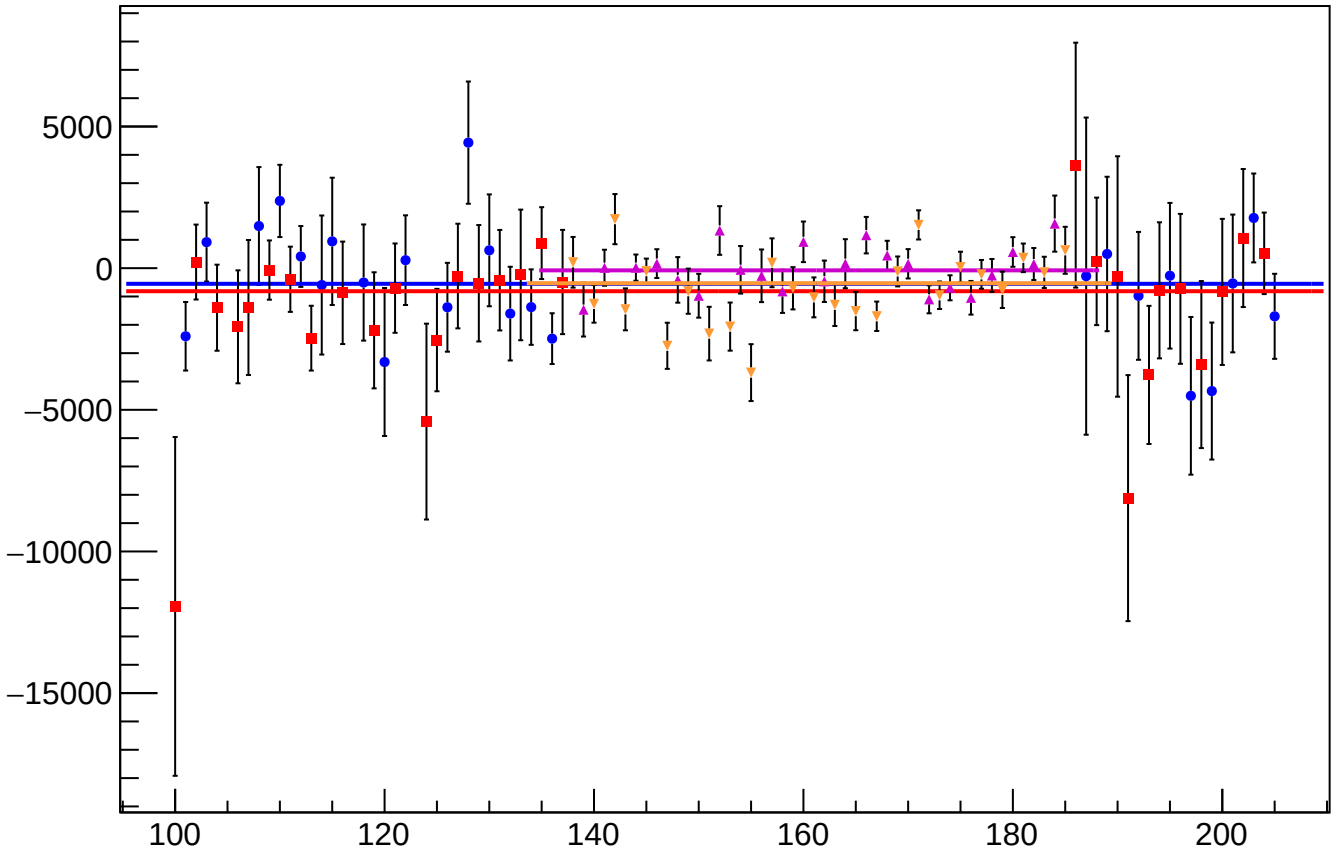
Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.964+/-0.009 χ^2/NDF: 8119261.5/49

All: 68.421+/-0.006 χ^2/NDF: 17766840.9/102

- sign 68.899+/-0.009 χ^2/NDF: 9642256.1/52



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

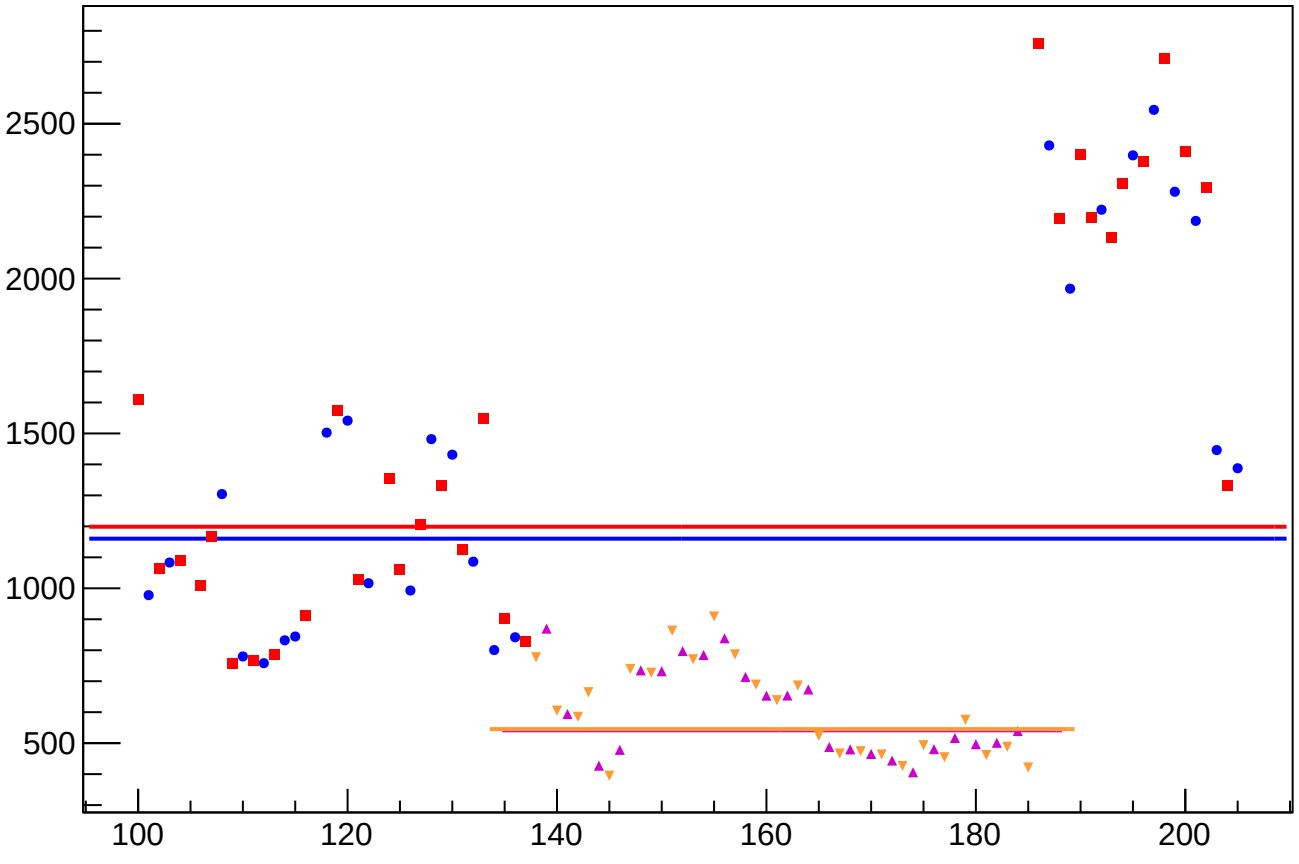
Right Out: -813.383+/-334.347 χ^2/NDF: 20.4/29

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -535.281+/-119.481 χ^2/NDF: 100.3/49

All: -357.773+/-85.163 χ^2/NDF: 157.8/102

- sign -174.457+/-121.420 χ^2/NDF: 53.0/52



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

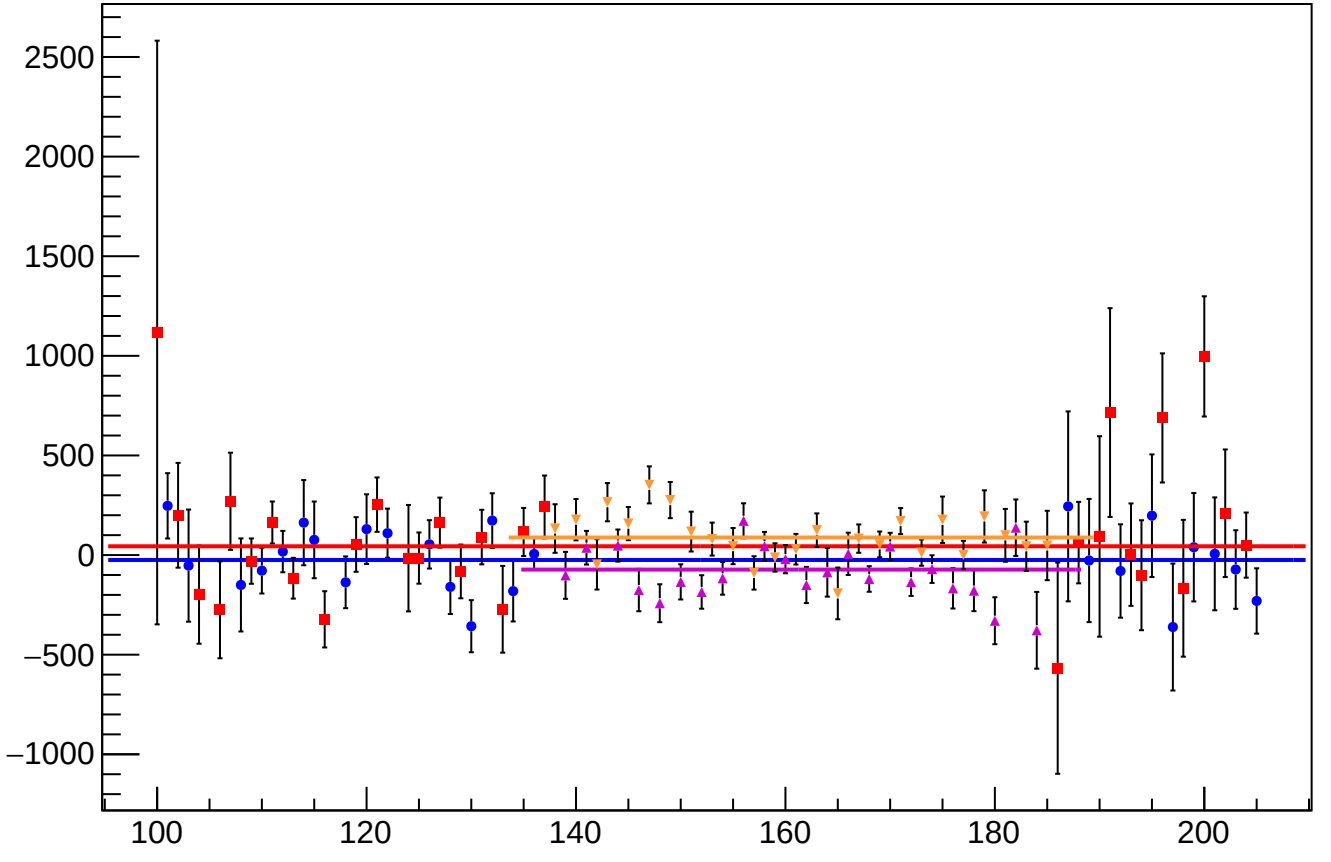
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 623.822+/-0.084 χ^2/NDF: 11778488.1/49

All: 625.952+/-0.060 χ^2/NDF: 25113942.2/10

- sign 628.153+/-0.086 χ^2/NDF: 13334161.4/52

dit_asym_sam_37_avg_mean vs Slug



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 44.083+/-31.609 χ^2/NDF: 41.7/29

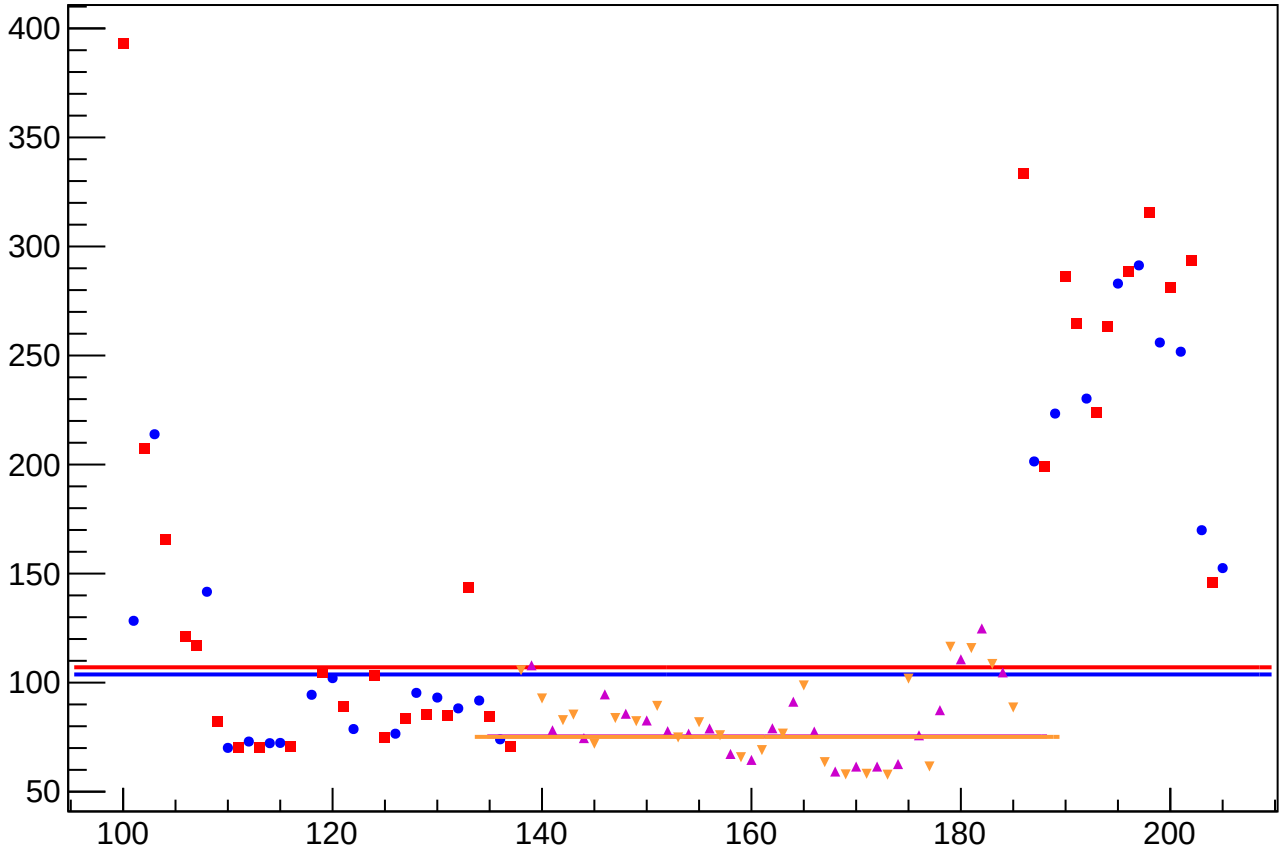
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 60.663+/-15.438 χ^2/NDF: 68.7/49

All: 9.833+/-11.050 χ^2/NDF: 181.4/102

- sign -43.553+/-15.822 χ^2/NDF: 90.4/52

dit_asym_sam_37_avg_rms vs Slug



Right In: 103.749+/-0.022 χ^2/NDF: 5291280.3/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 107.034+/-0.022 χ^2/NDF: 6859221.4/29

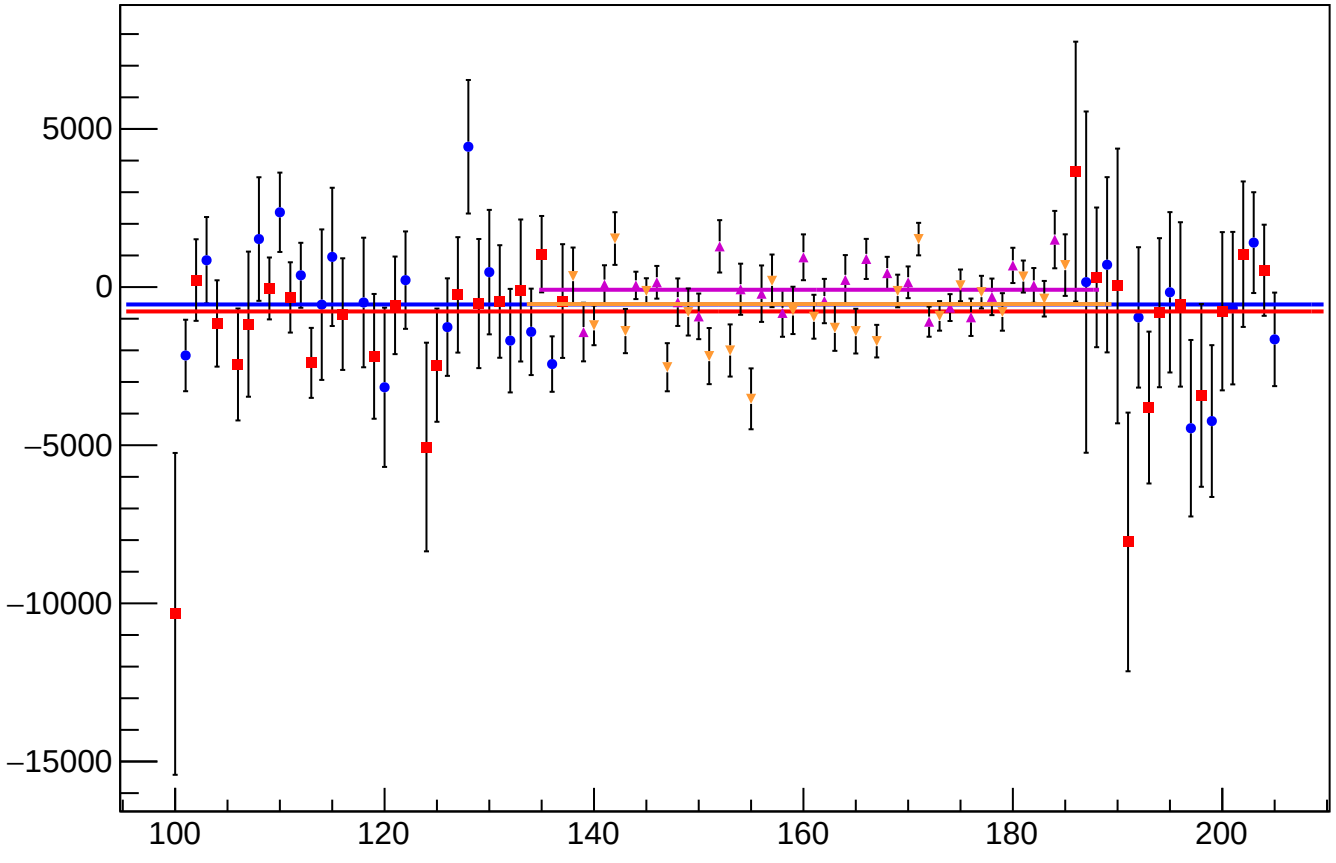
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 82.084+/-0.011 χ^2/NDF: 8157386.3/49

All: 82.676+/-0.008 χ^2/NDF: 17752802.8/102

- sign 83.298+/-0.011 χ^2/NDF: 9589387.6/52

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -549.382+/-327.387 χ^2/NDF: 30.5/24

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -770.222+/-322.118 χ^2/NDF: 22.1/29

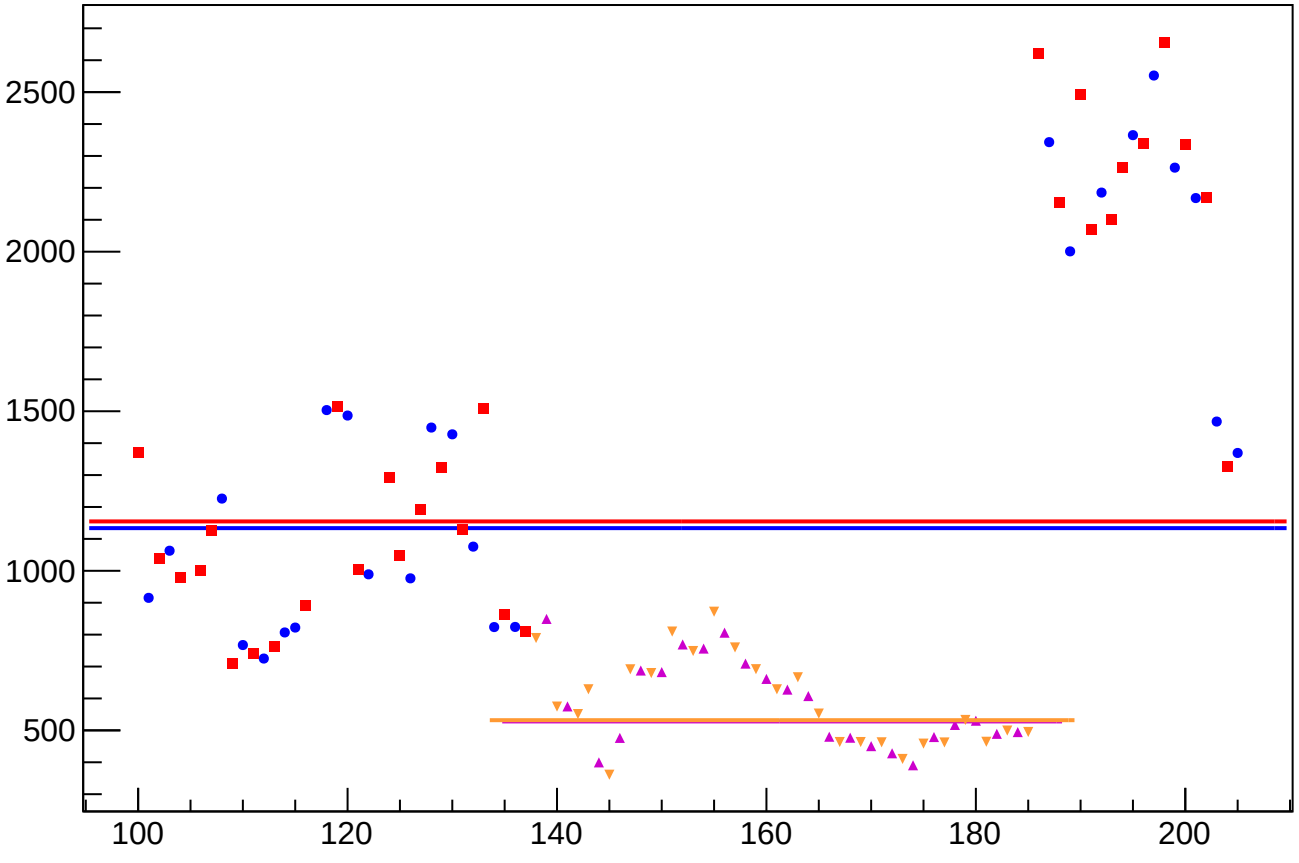
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -538.380+/-116.346 χ^2/NDF: 97.5/49

All: -360.490+/-82.910 χ^2/NDF: 155.8/102

- sign -176.947+/-118.180 χ^2/NDF: 53.5/52

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1133.706+/-0.231 χ^2/NDF: 3921621.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1154.757+/-0.228 χ^2/NDF: 4934863.6/29

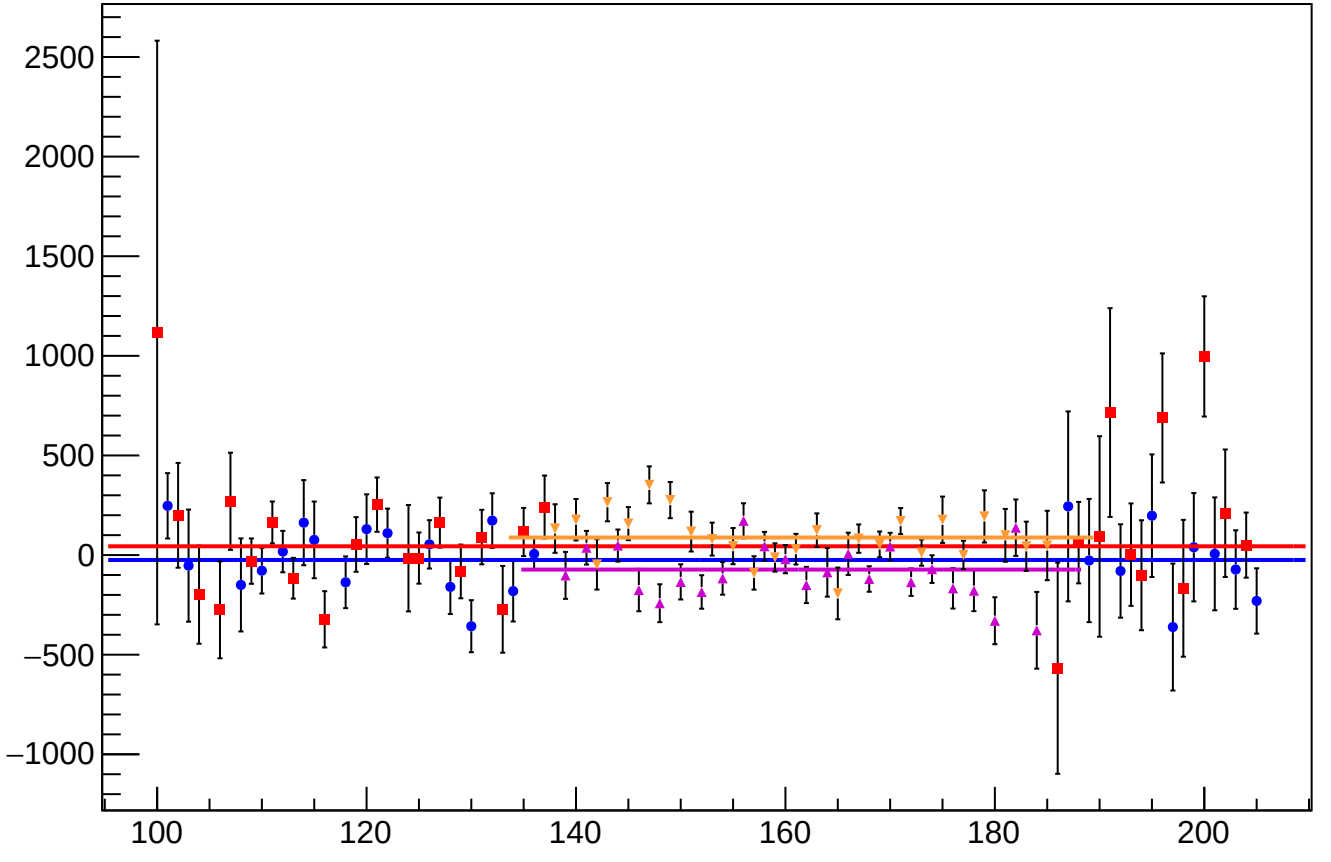
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 607.880+/-0.082 χ^2/NDF: 11864443.8/49

All: 610.081+/-0.059 χ^2/NDF: 25154092.2/10

- sign 612.352+/-0.084 χ^2/NDF: 13288194.0/52

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 44.086+/-31.609 χ^2/NDF: 41.7/29

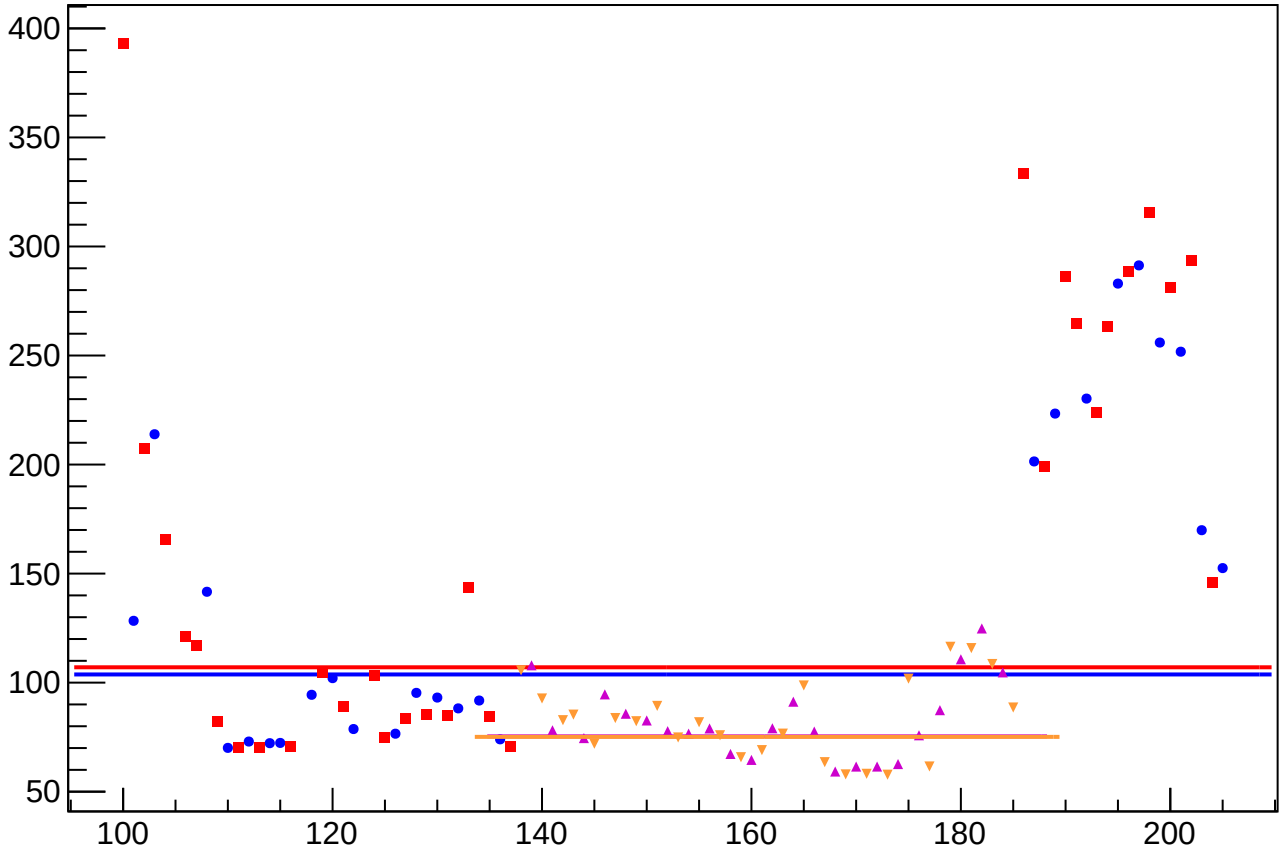
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 60.663+/-15.438 χ^2/NDF: 68.7/49

All: 9.833+/-11.050 χ^2/NDF: 181.4/102

- sign -43.552+/-15.822 χ^2/NDF: 90.4/52

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 103.750+/-0.022 χ^2/NDF: 5291249.1/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

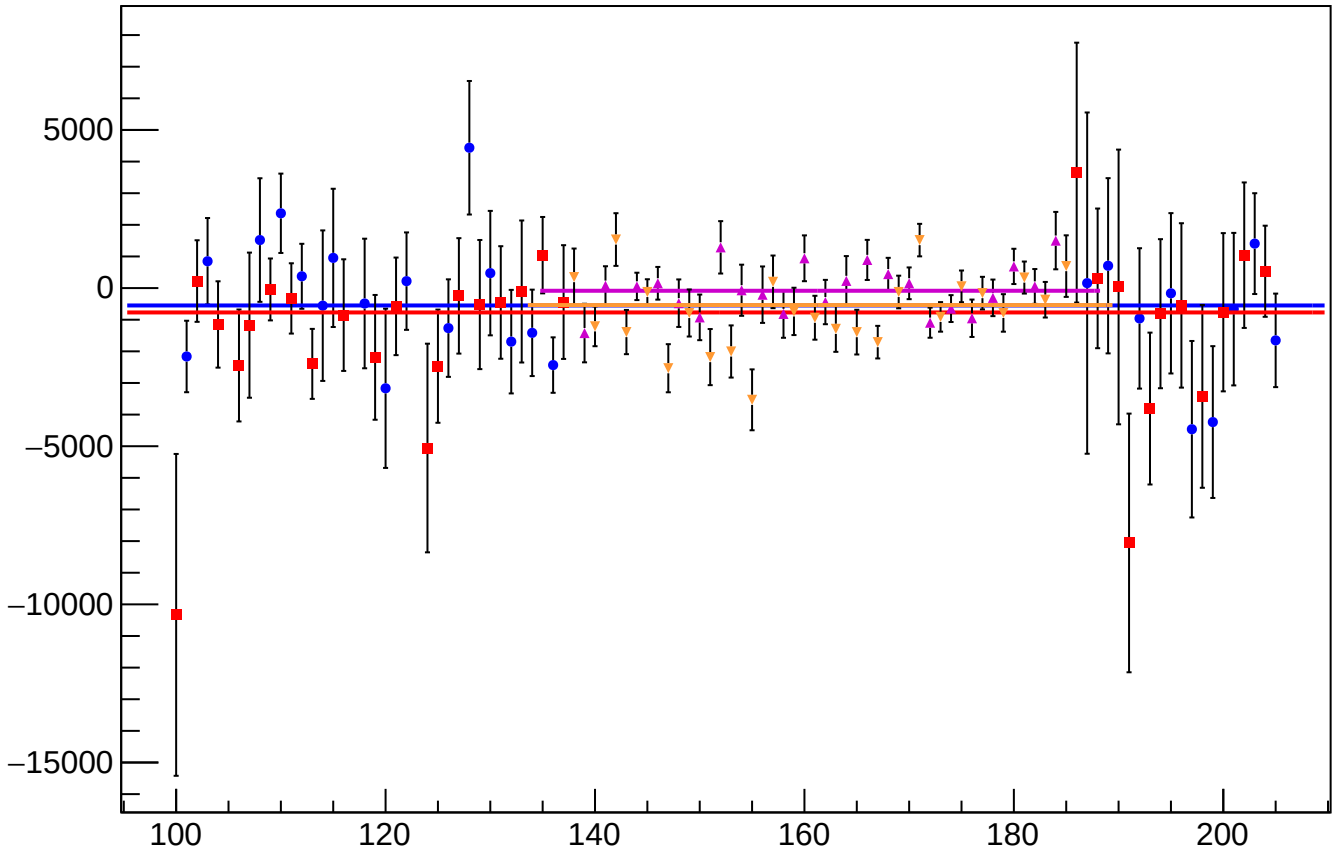
Right Out: 107.035+/-0.022 χ^2/NDF: 6859191.8/29

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 82.085+/-0.011 χ^2/NDF: 8157363.8/49

All: 82.677+/-0.008 χ^2/NDF: 17752771.1/102

- sign 83.298+/-0.011 χ^2/NDF: 9589378.5/52



Right In: -549.380+/-327.387 χ^2/NDF: 30.5/24

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

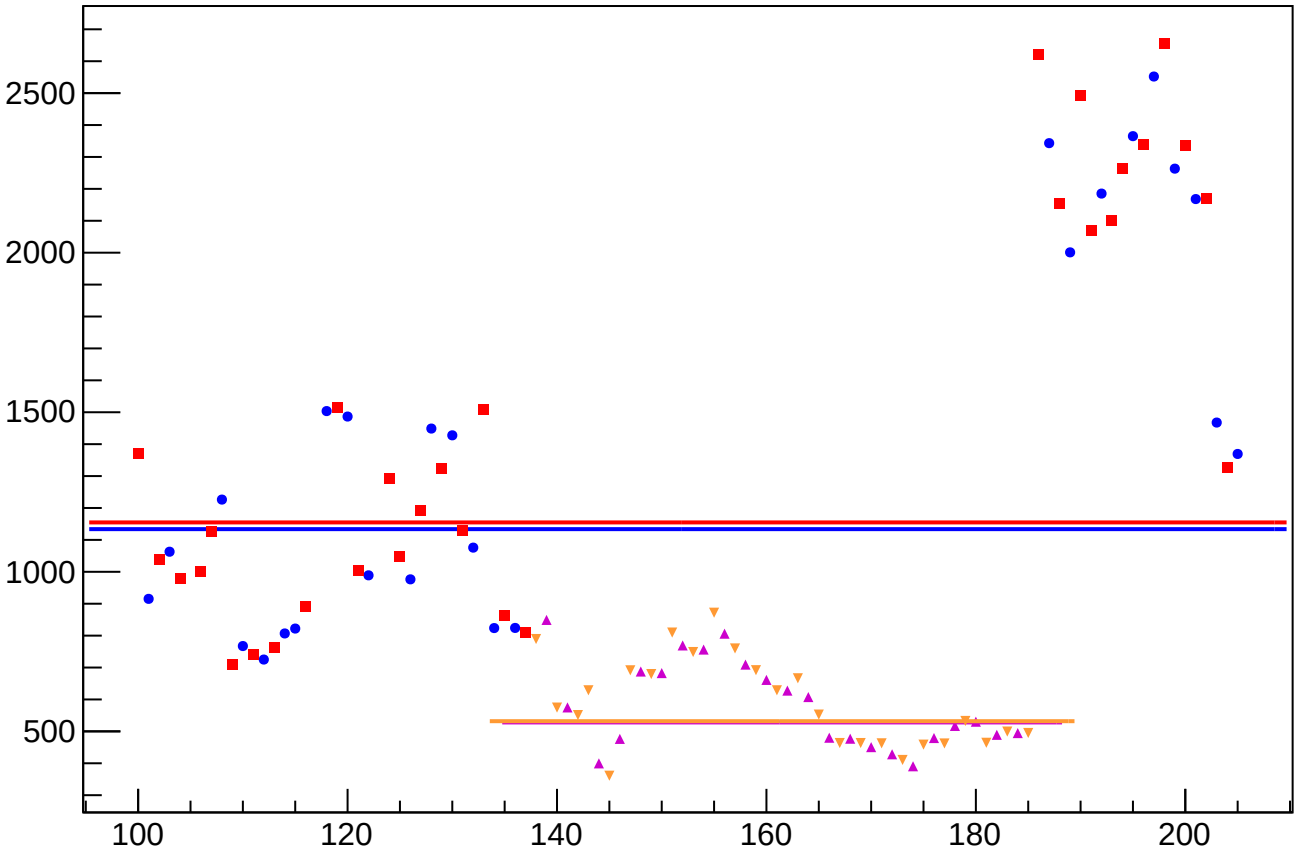
Right Out: -770.222+/-322.118 χ^2/NDF: 22.1/29

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -538.380+/-116.346 χ^2/NDF: 97.5/49

All: -360.490+/-82.910 χ^2/NDF: 155.8/102

- sign -176.947+/-118.180 χ^2/NDF: 53.5/52



Right In: 1133.704+/-0.231 χ^2/NDF: 3921630.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1154.755+/-0.228 χ^2/NDF: 4934871.3/29

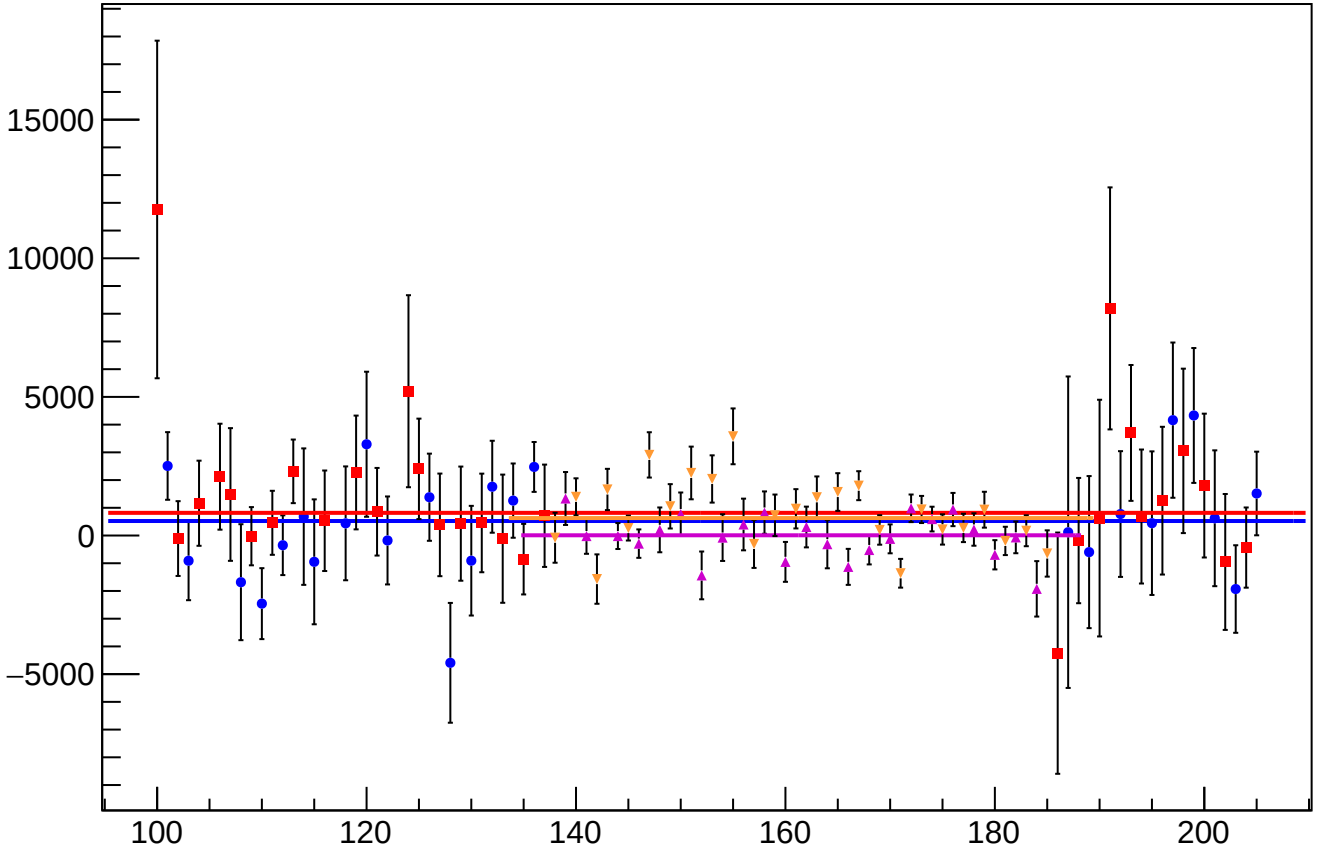
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 607.880+/-0.082 χ^2/NDF: 11864431.9/49

All: 610.081+/-0.059 χ^2/NDF: 25154062.9/10

- sign 612.352+/-0.084 χ^2/NDF: 13288176.6/52

asym_sam_37_avg_mean vs Slug



Right In: 523.335+/-336.096 χ^2/NDF: 31.8/24

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 817.976+/-335.551 χ^2/NDF: 19.5/29

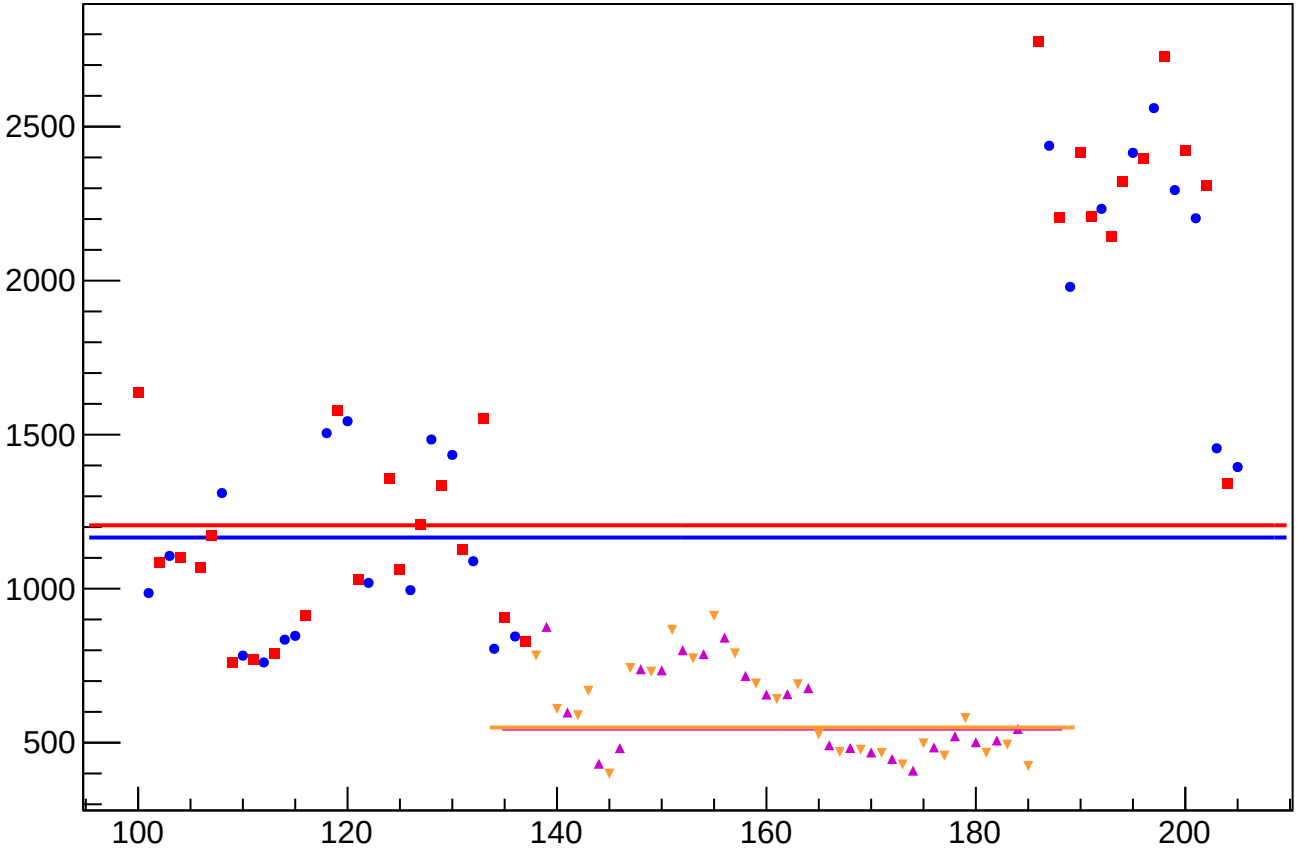
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 615.789+/-120.314 χ^2/NDF: 96.7/49

All: 369.879+/-85.756 χ^2/NDF: 157.1/102

- sign 115.935+/-122.264 χ^2/NDF: 51.8/52

asym_sam_37_avg_rms vs Slug



Right In: 1166.030+/-0.238 χ^2/NDF: 3802103.7/24

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

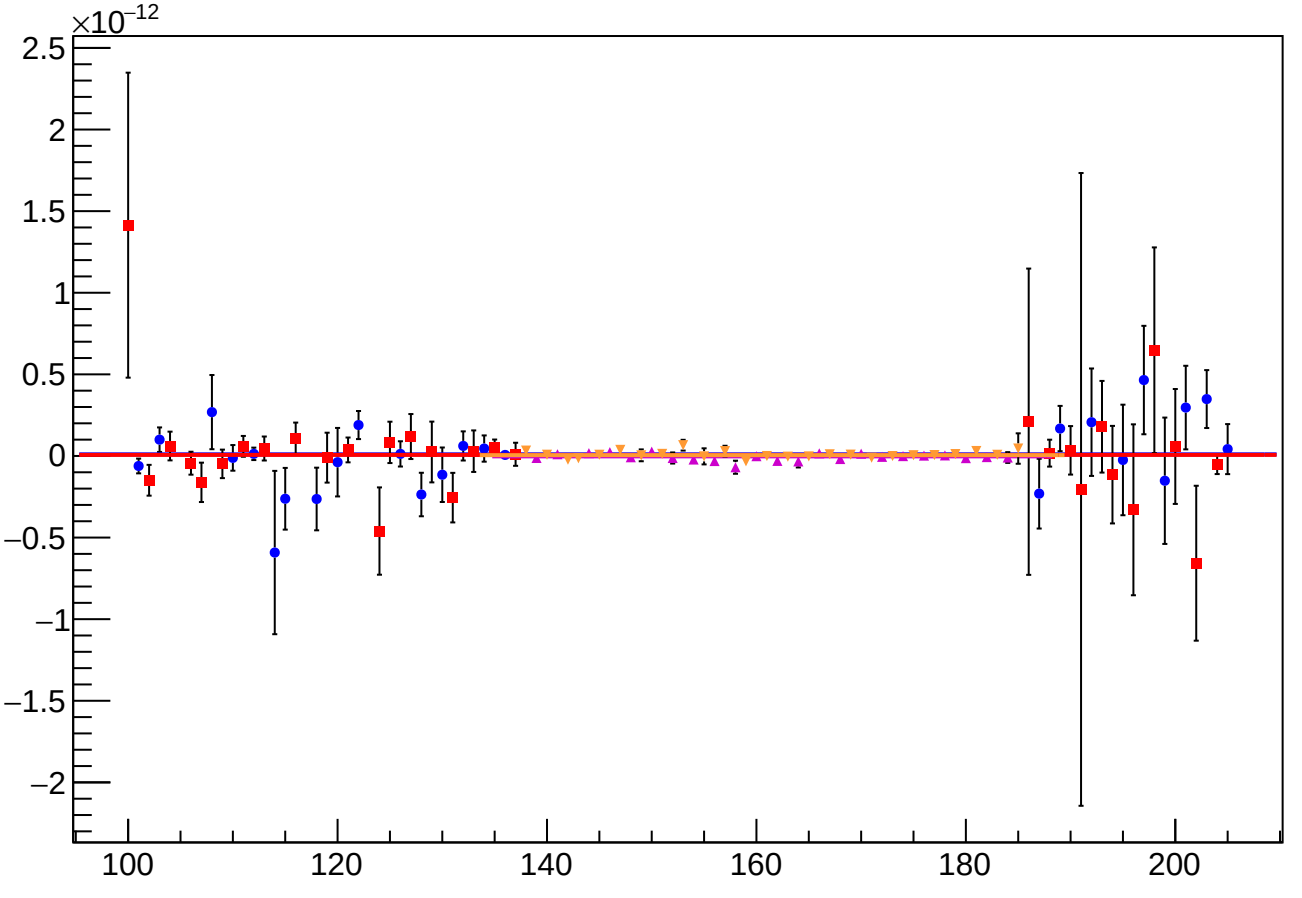
Right Out: 1205.735+/-0.237 χ^2/NDF: 4785894.2/29

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 628.484+/-0.085 χ^2/NDF: 11724023.7/49

All: 630.871+/-0.061 χ^2/NDF: 25036803.8/10

- sign 633.335+/-0.086 χ^2/NDF: 13311180.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

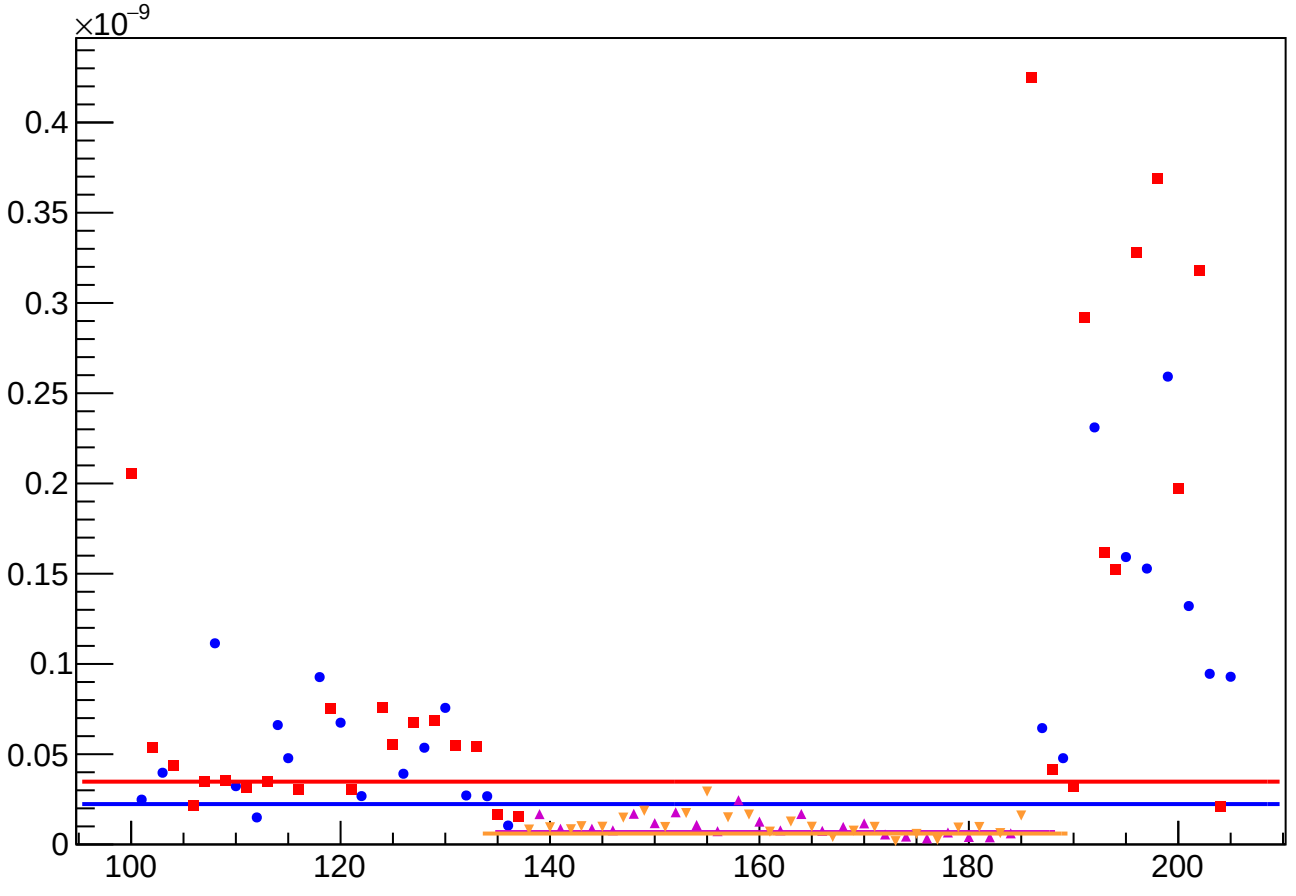
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/29

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/49

All: 0.000+/-0.000 χ^2/NDF: 91.9/102

- sign -0.000+/-0.000 χ^2/NDF: 43.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5527354.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4751331.8/29

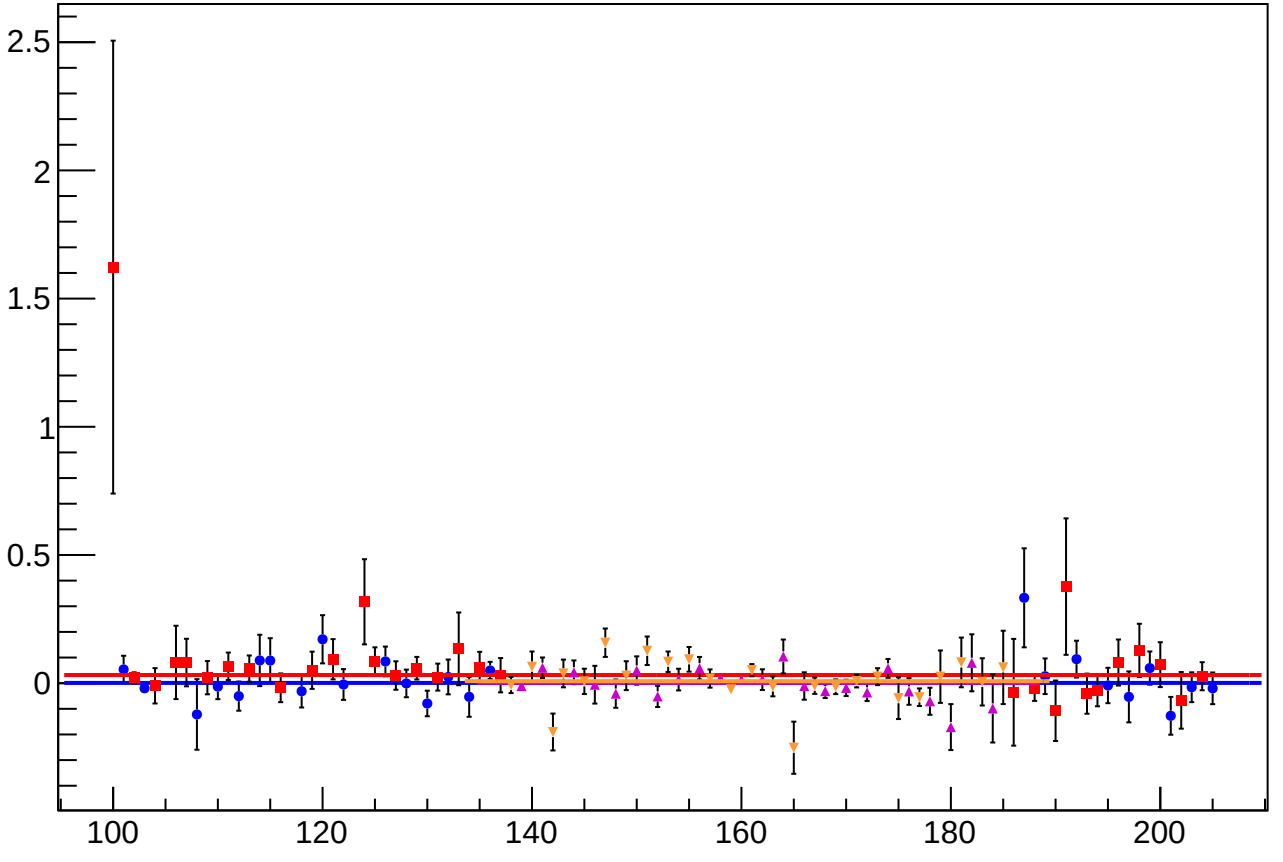
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11694828.1/49

All: 0.000+/-0.000 χ^2/NDF: 23255575.5/102

- sign 0.000+/-0.000 χ^2/NDF: 11467800.4/52

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/29

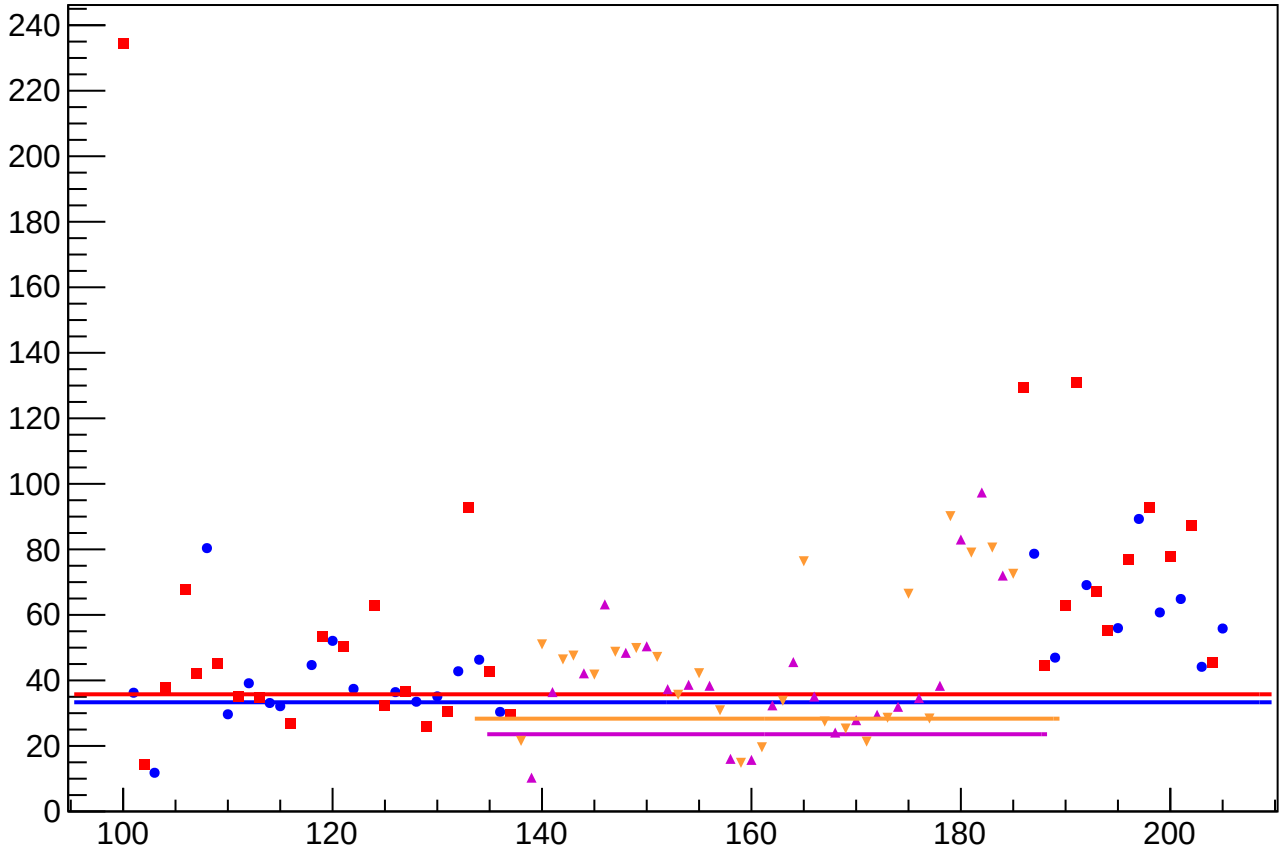
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/49

All: 0.008+/-0.004 χ^2/NDF: 123.7/102

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

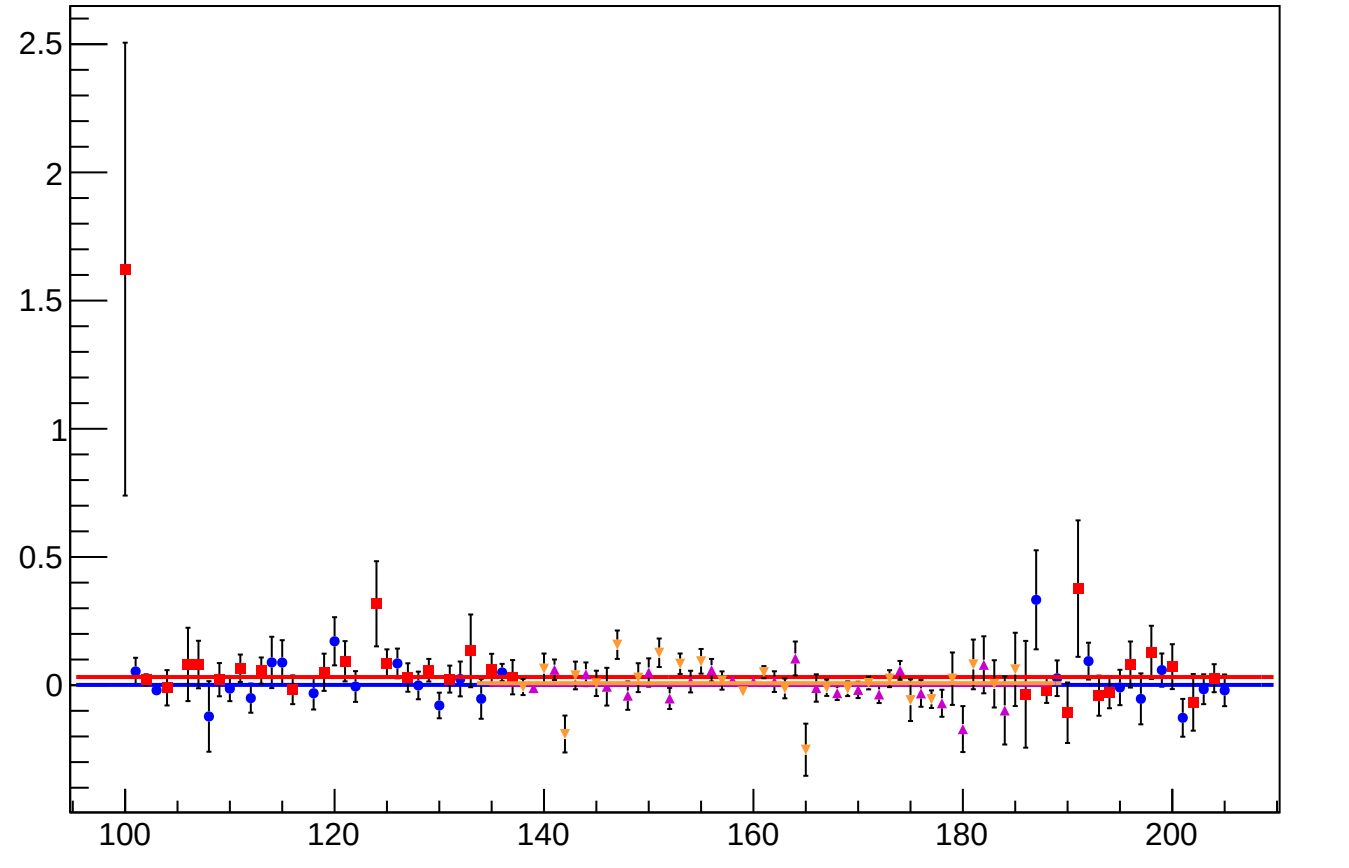
Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.982+/-0.004 χ^2/NDF: 12615497.8/49

All: 28.320+/-0.003 χ^2/NDF: 29235919.1/102

- sign 26.856+/-0.004 χ^2/NDF: 16349905.2/52



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/29

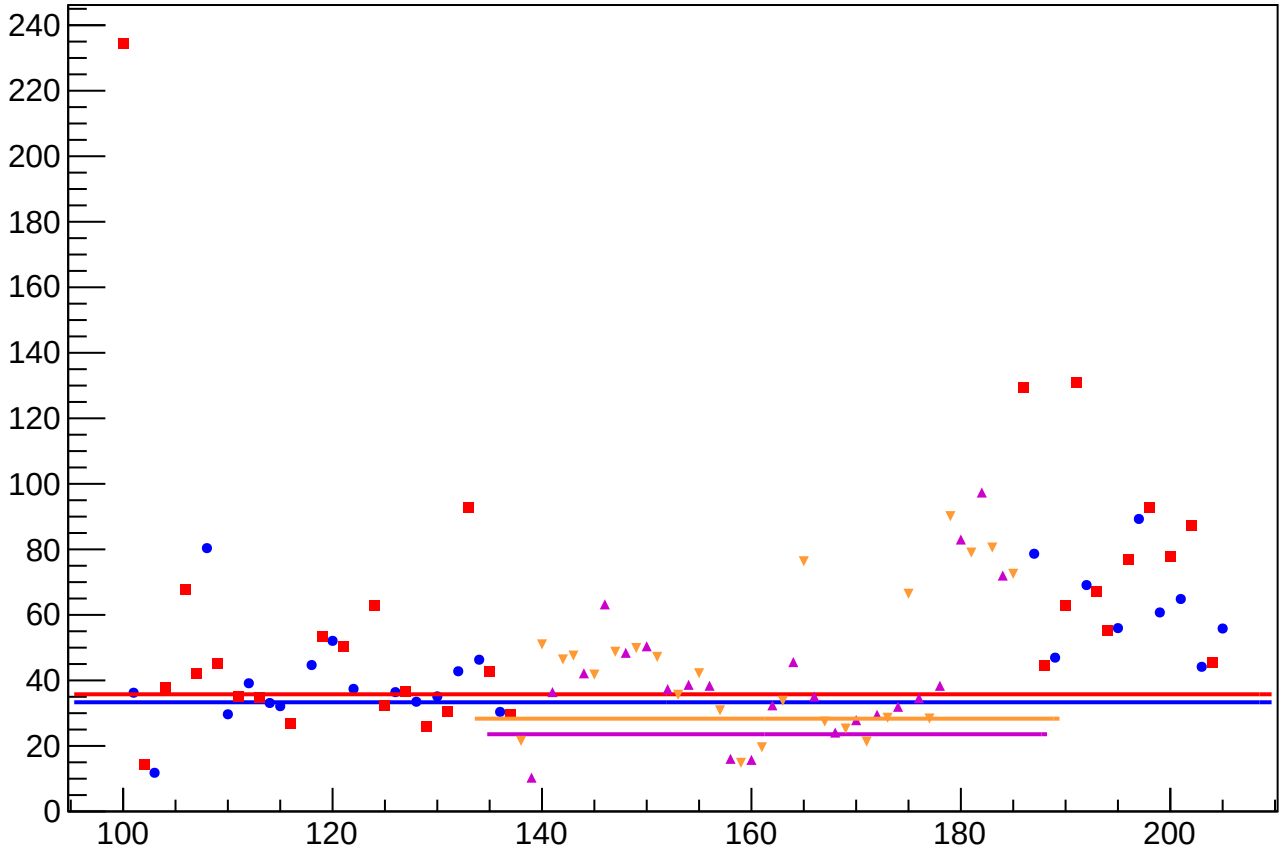
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/49

All: 0.008+/-0.004 χ^2/NDF: 123.7/102

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

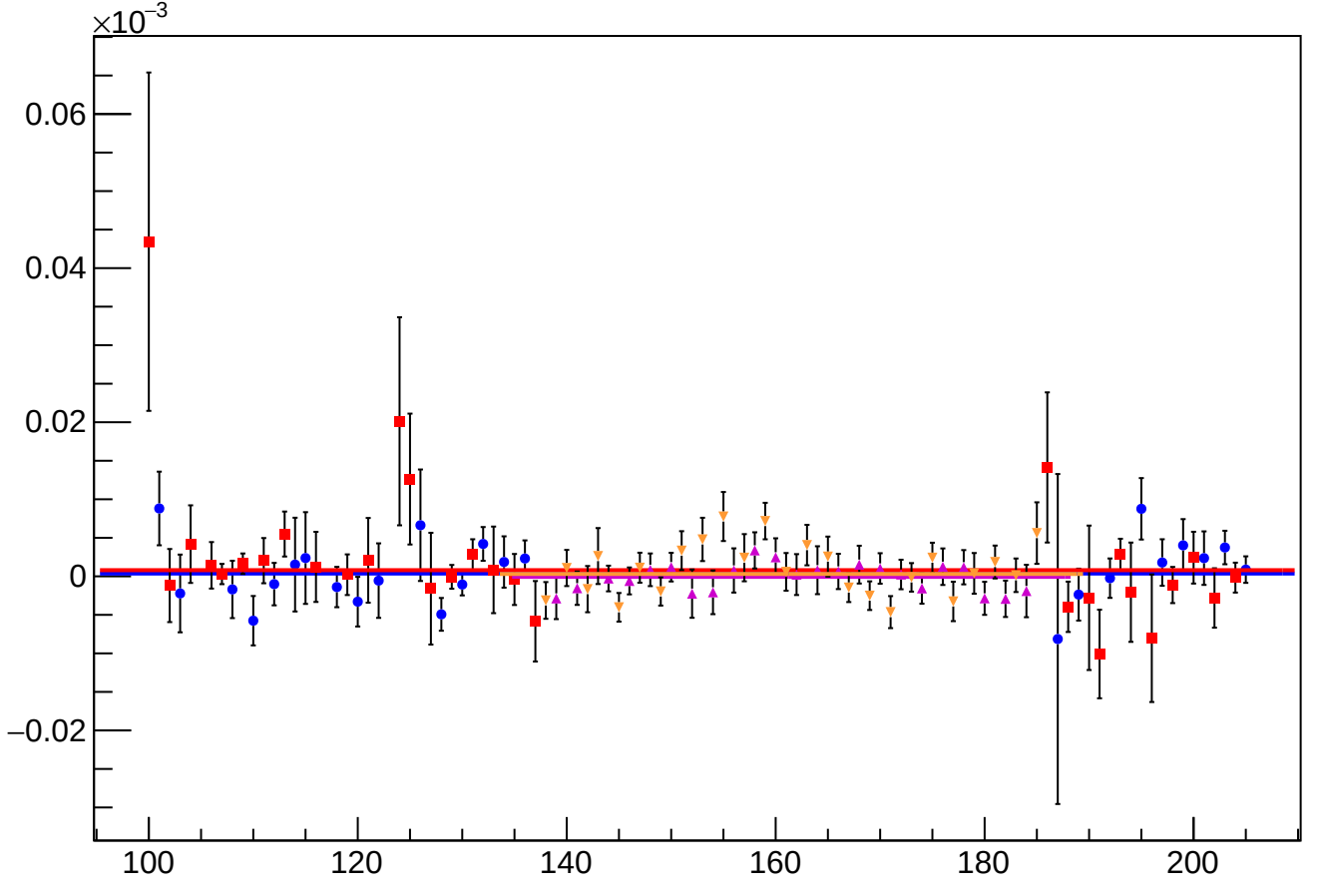
Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.982+/-0.004 χ^2/NDF: 12615497.8/49

All: 28.320+/-0.003 χ^2/NDF: 29235919.1/102

- sign 26.856+/-0.004 χ^2/NDF: 16349905.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

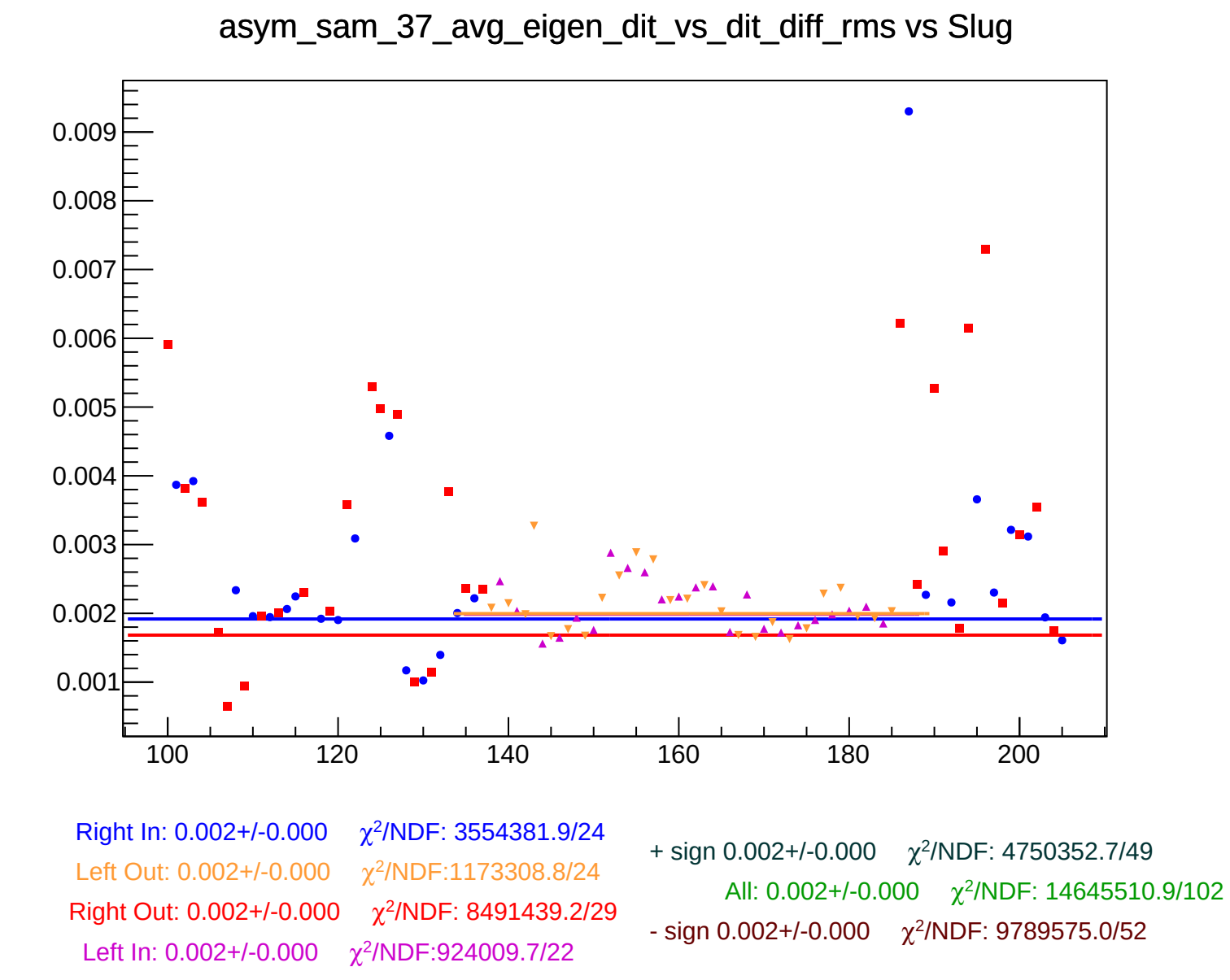
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

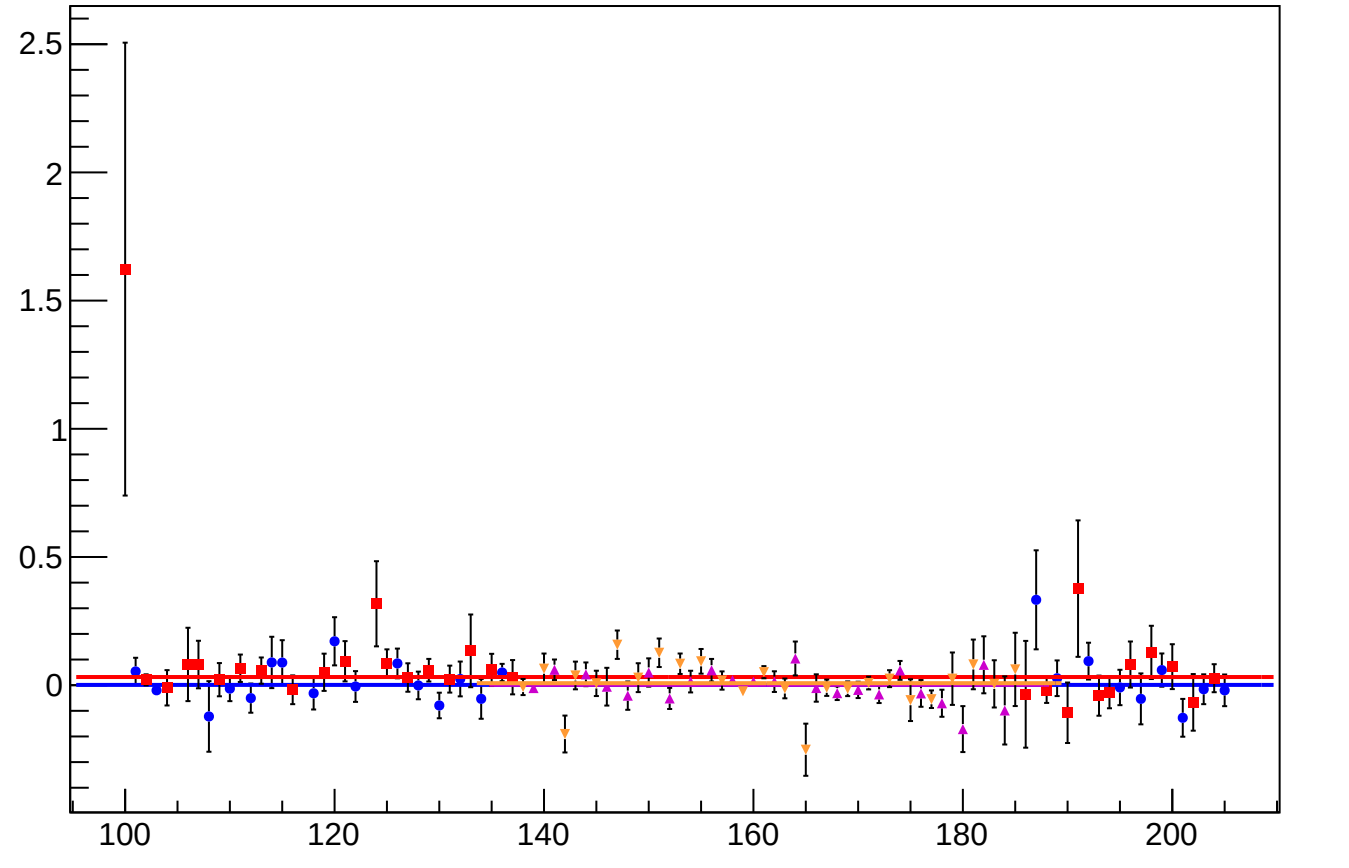
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.6/49

All: 0.000+/-0.000 χ^2/NDF: 117.4/102

- sign 0.000+/-0.000 χ^2/NDF: 40.8/52


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 3554381.9/24
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 8491439.2/29
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 4750352.7/49
All: 0.002+/-0.000 χ²/NDF: 14645510.9/102
- sign 0.002+/-0.000 χ²/NDF: 9789575.0/52



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/29

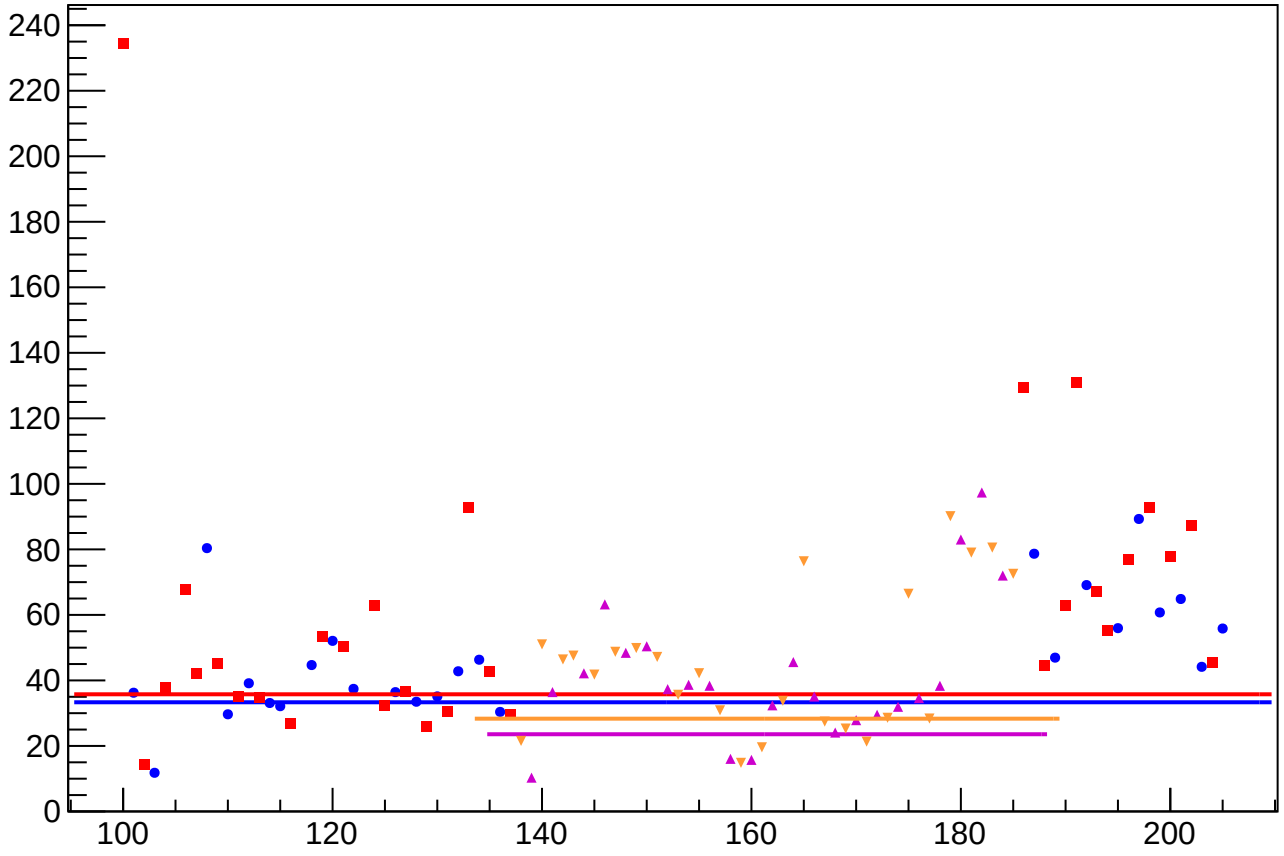
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.4/49

All: 0.008+/-0.004 χ^2/NDF: 123.7/102

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

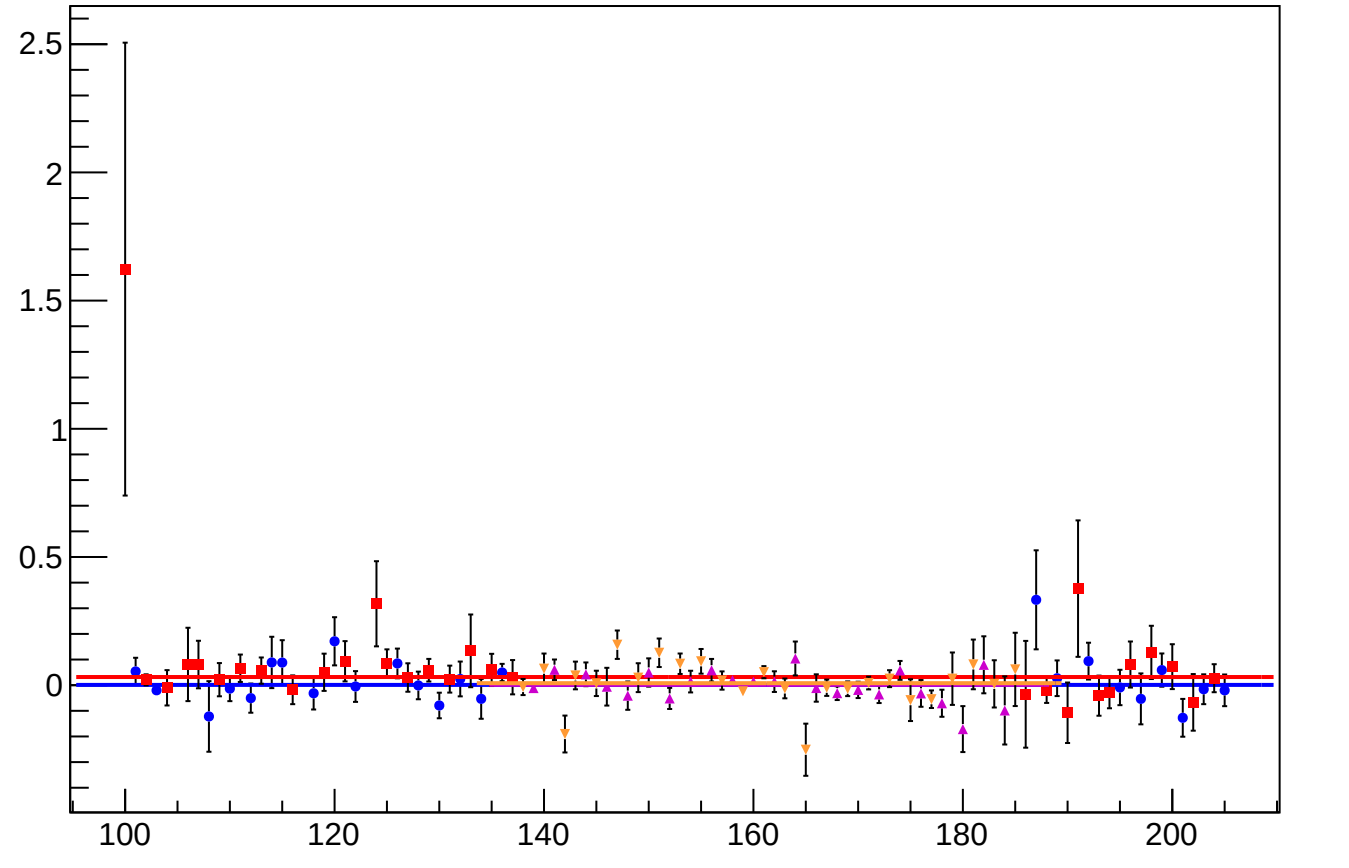
Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.981+/-0.004 χ^2/NDF: 12616294.9/49

All: 28.320+/-0.003 χ^2/NDF: 29237666.2/102

- sign 26.855+/-0.004 χ^2/NDF: 16350857.7/52



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

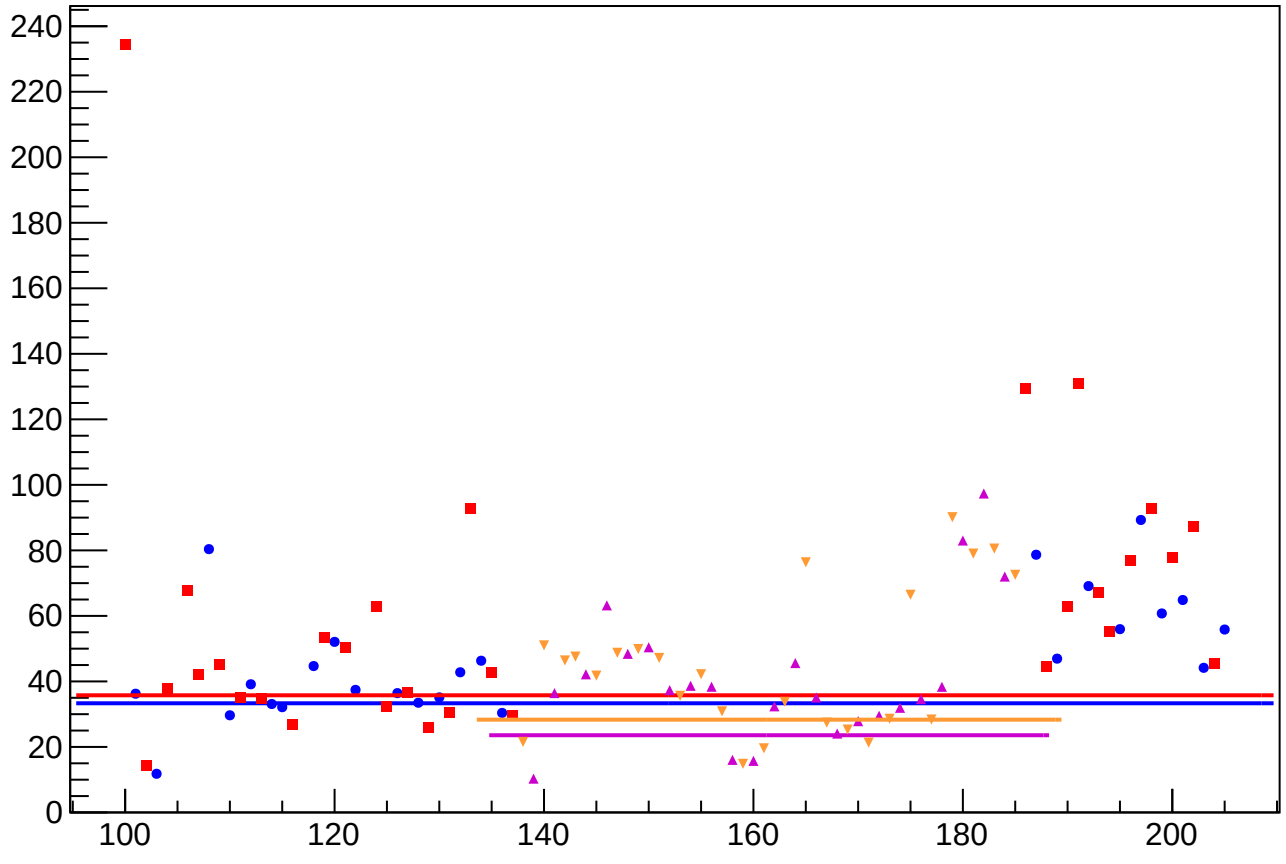
Right Out: 0.032+/-0.011 χ^2/NDF: 19.5/29

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.4/49

All: 0.008+/-0.004 χ^2/NDF: 123.7/102

- sign 0.010+/-0.006 χ^2/NDF: 50.1/52



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

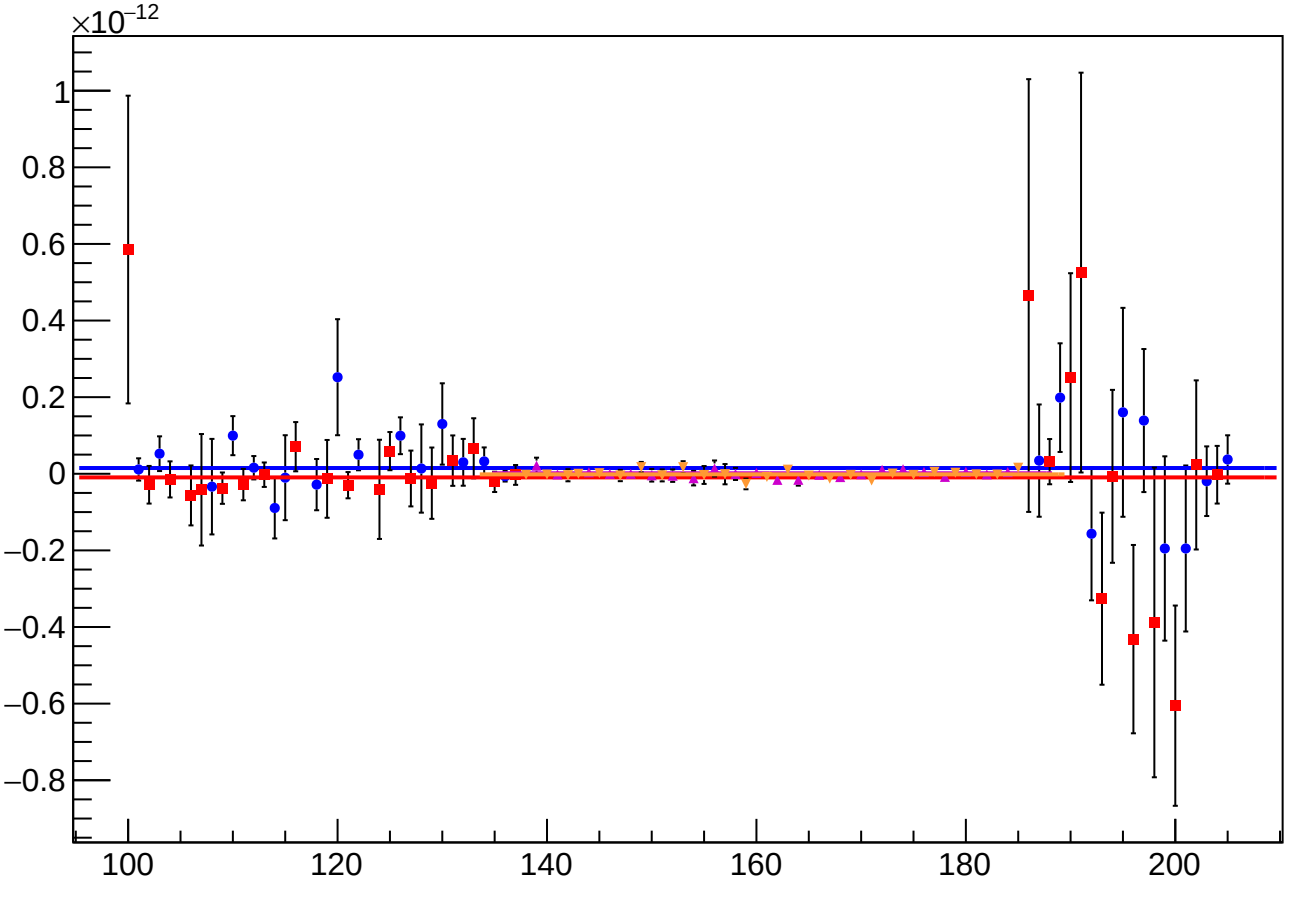
Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.981+/-0.004 χ^2/NDF: 12616294.9/49

All: 28.320+/-0.003 χ^2/NDF: 29237666.2/102

- sign 26.855+/-0.004 χ^2/NDF: 16350857.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

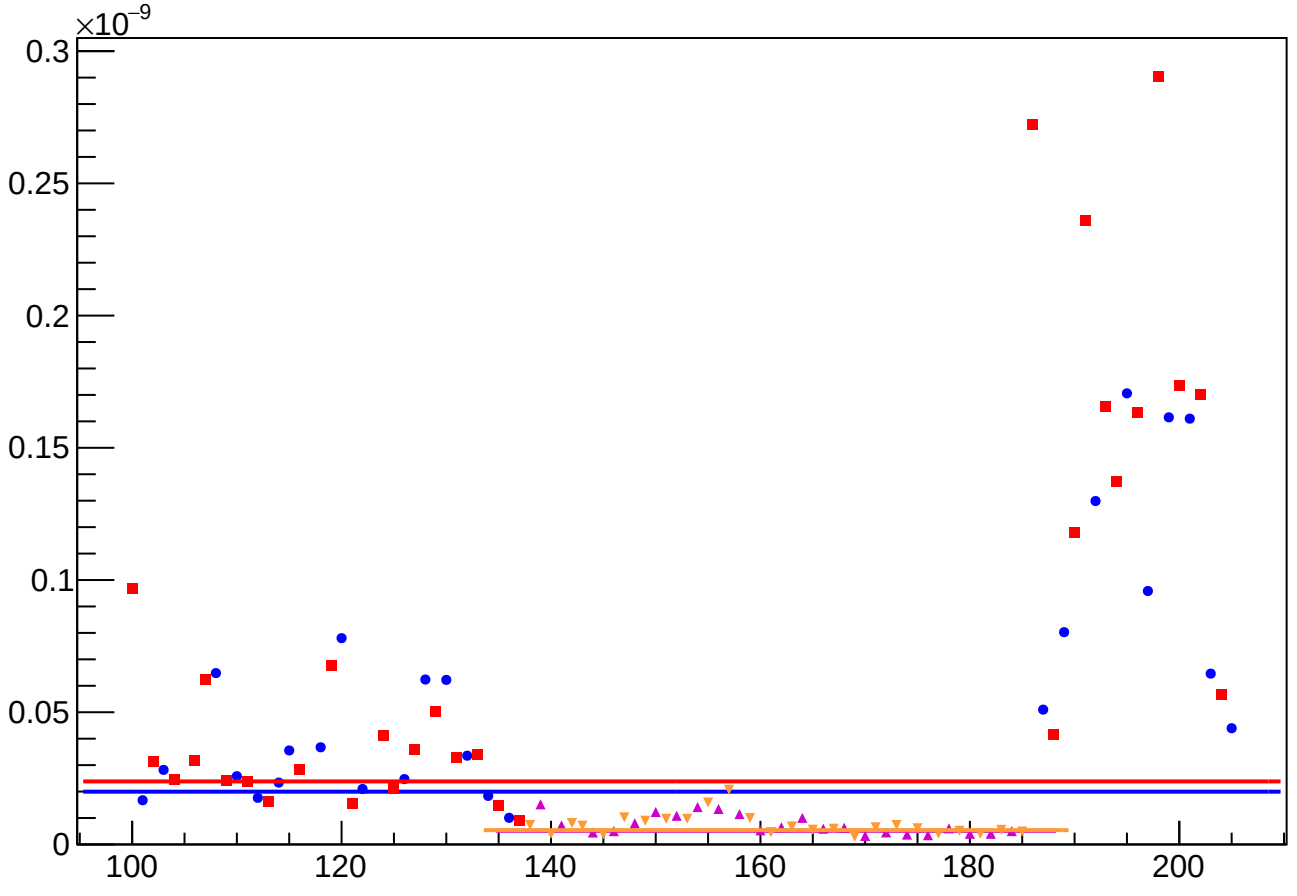
Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/29

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/49

All: 0.000+/-0.000 χ^2/NDF: 82.8/102

- sign 0.000+/-0.000 χ^2/NDF: 40.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 7097469.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982702.1/29

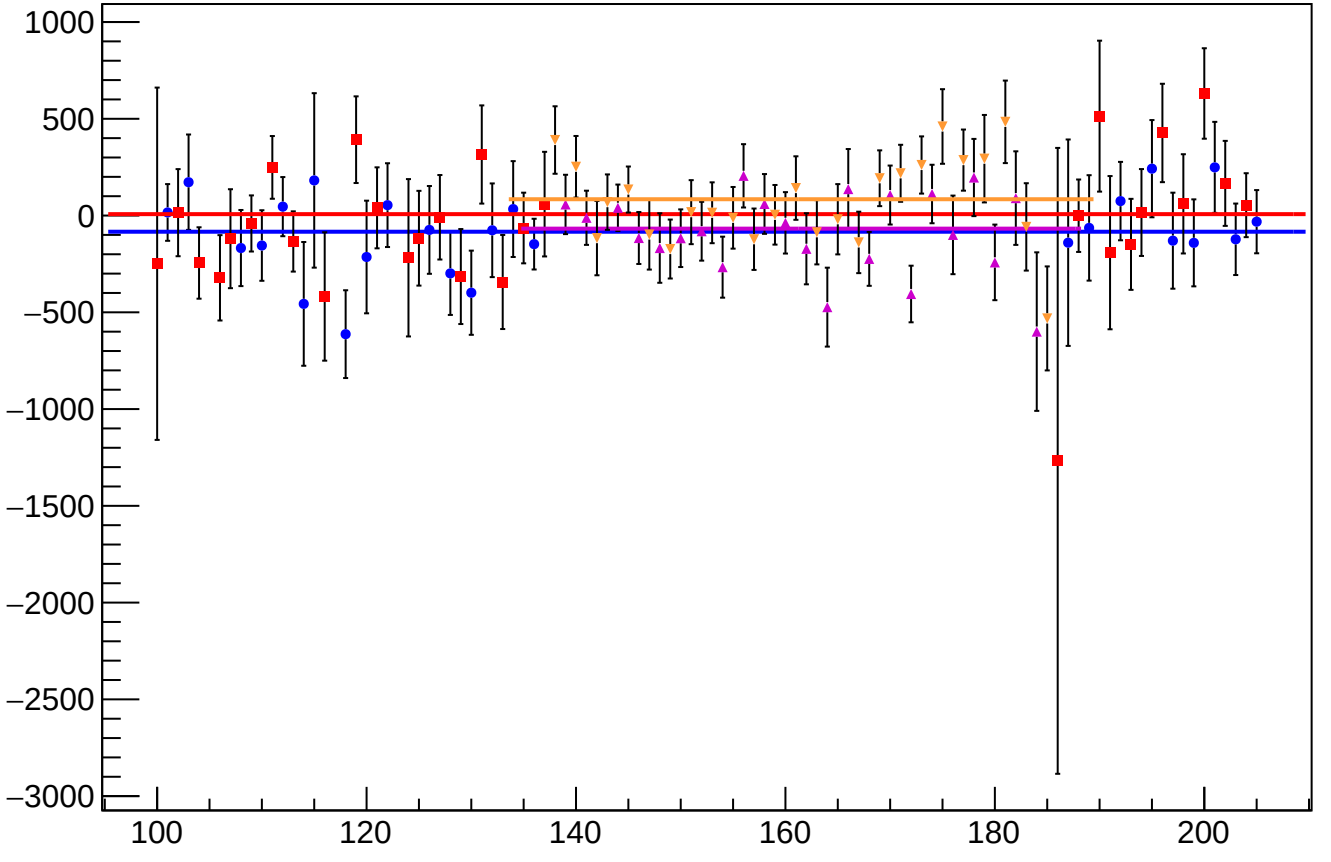
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14973966.5/49

All: 0.000+/-0.000 χ^2/NDF: 32552763.9/102

- sign 0.000+/-0.000 χ^2/NDF: 17556282.6/52

reg_asym_sam_48_avg_mean vs Slug



Right In: -83.573+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 7.305+/-41.252 χ^2/NDF: 31.7/29

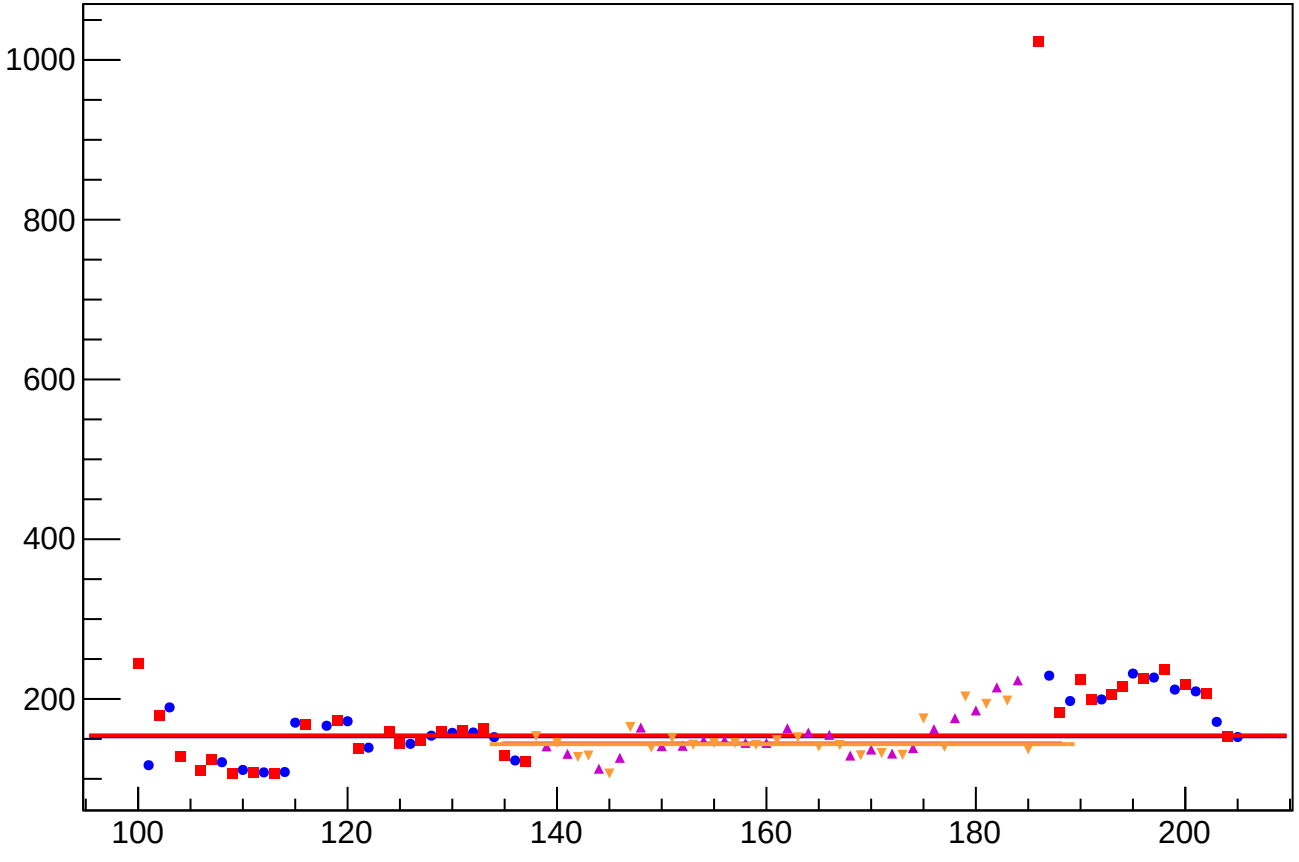
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 20.560+/-26.017 χ^2/NDF: 62.1/49

All: -7.999+/-18.496 χ^2/NDF: 124.8/102

- sign -37.182+/-26.300 χ^2/NDF: 60.2/52

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.291+/-0.030 χ^2/NDF: 1515884.3/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.368+/-0.029 χ^2/NDF: 2442159.6/29

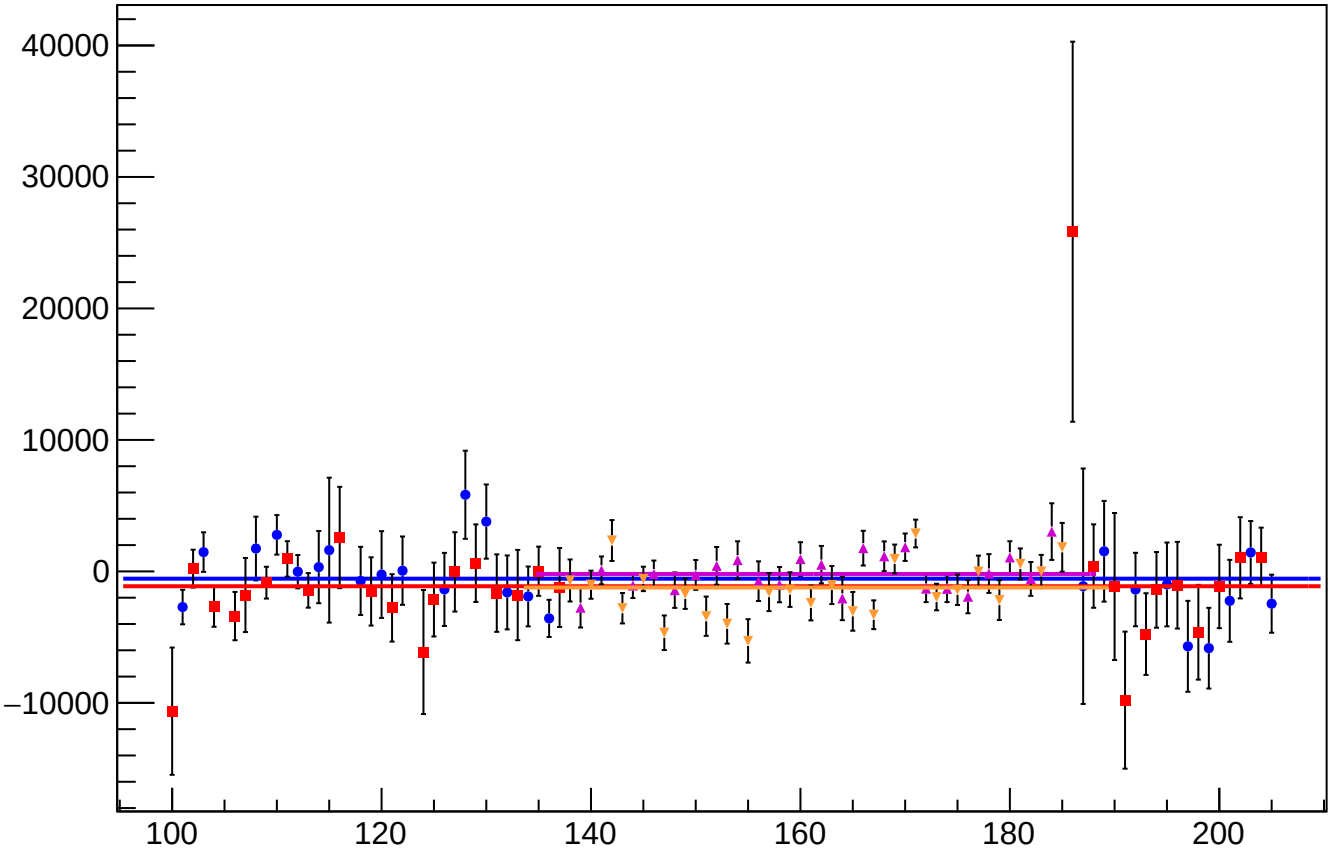
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.184+/-0.018 χ^2/NDF: 2330423.0/49

All: 147.743+/-0.013 χ^2/NDF: 5549702.7/102

- sign 148.315+/-0.019 χ^2/NDF: 3217408.5/52

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -553.487+/-449.119 χ^2/NDF: 29.3/24

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1128.859+/-425.316 χ^2/NDF: 23.7/29

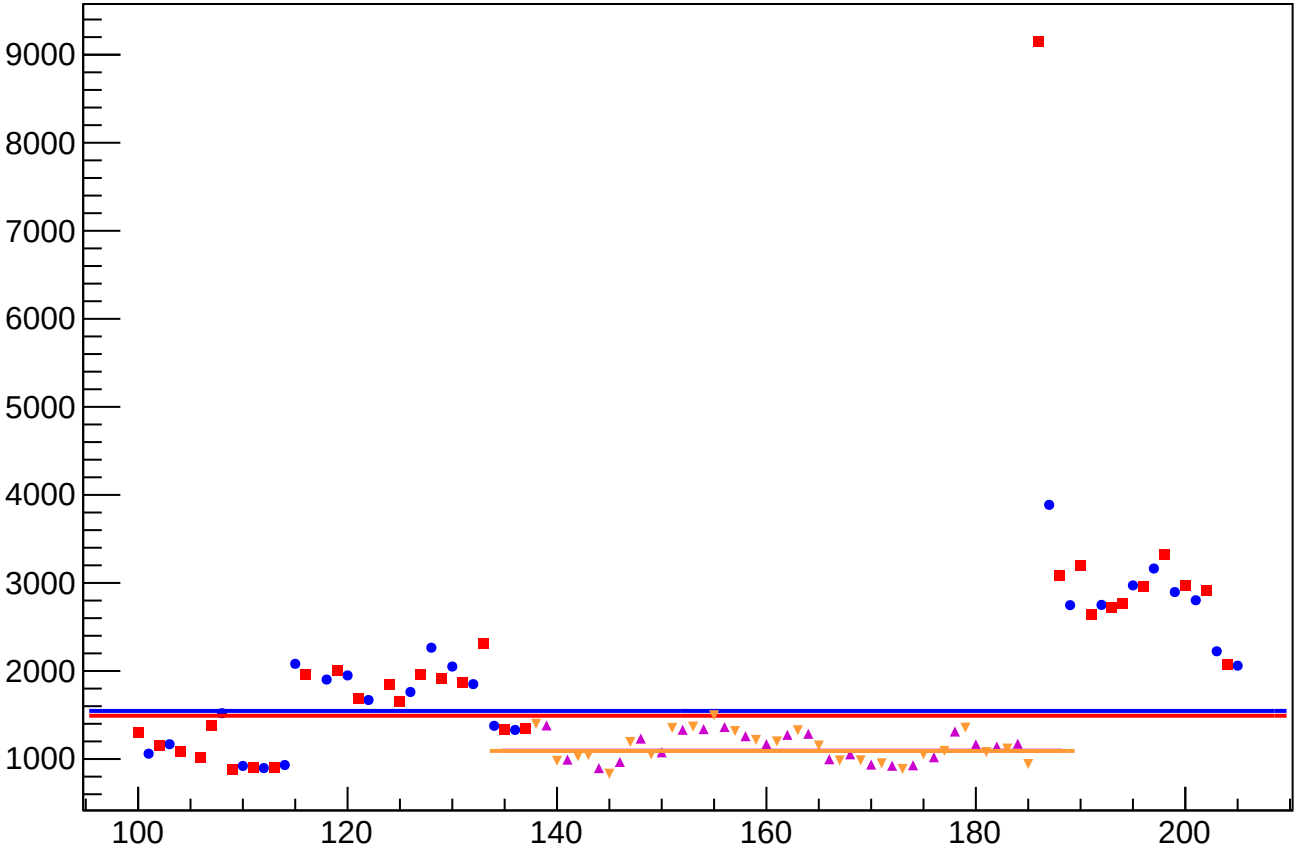
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1064.472+/-219.614 χ^2/NDF: 90.3/49

All: -757.727+/-155.835 χ^2/NDF: 144.7/102

- sign -446.640+/-221.163 χ^2/NDF: 50.5/52

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1546.521+/-0.318 χ^2/NDF: 4235094.9/24

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1491.886+/-0.301 χ^2/NDF: 6040541.1/29

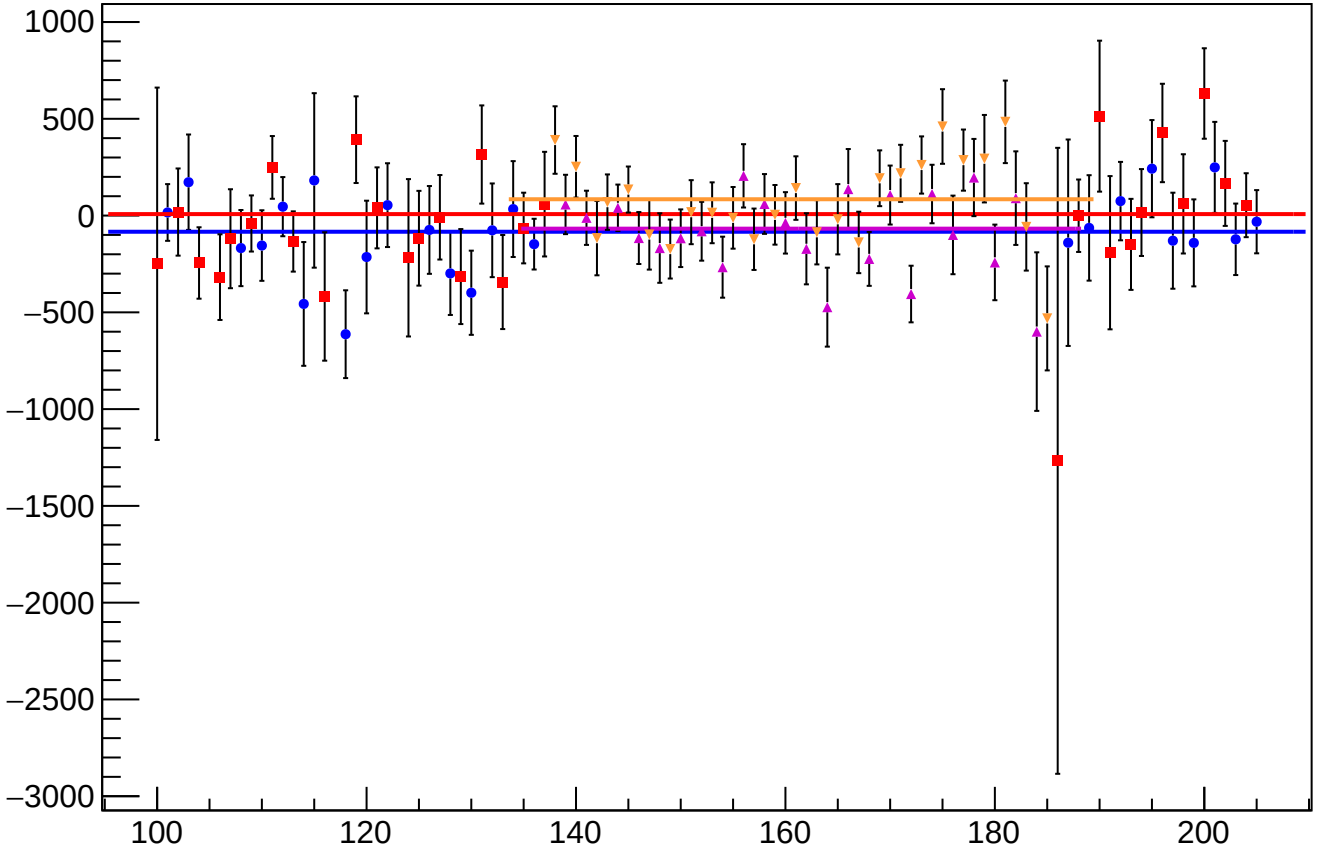
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1200.665+/-0.155 χ^2/NDF: 6686287.7/49

All: 1201.296+/-0.110 χ^2/NDF: 14733825.7/1

- sign 1201.936+/-0.156 χ^2/NDF: 8047504.8/52

cor_asym_sam_48_avg_mean vs Slug



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 7.612+/-41.257 χ^2/NDF: 31.7/29

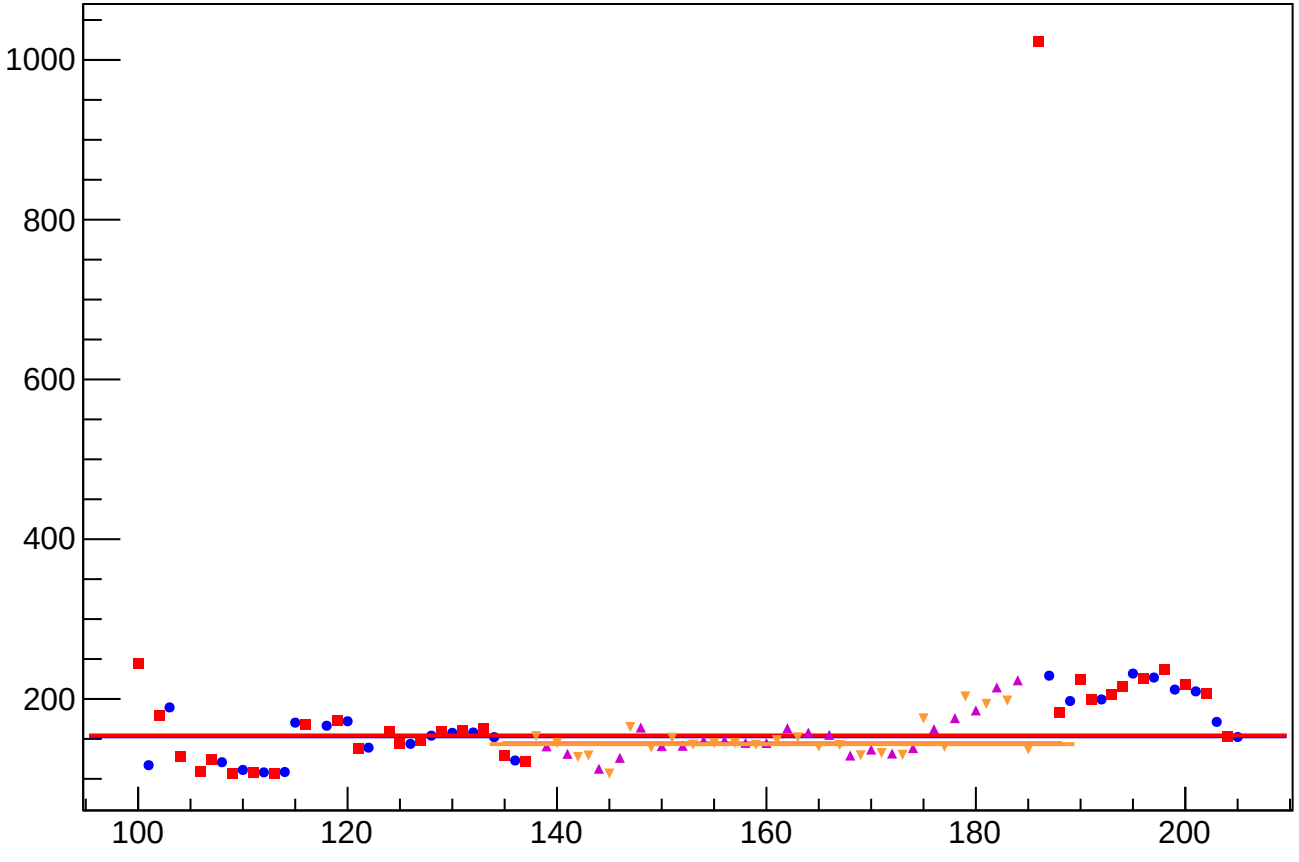
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 20.565+/-26.017 χ^2/NDF: 62.1/49

All: -7.936+/-18.496 χ^2/NDF: 124.7/102

- sign -37.063+/-26.301 χ^2/NDF: 60.2/52

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

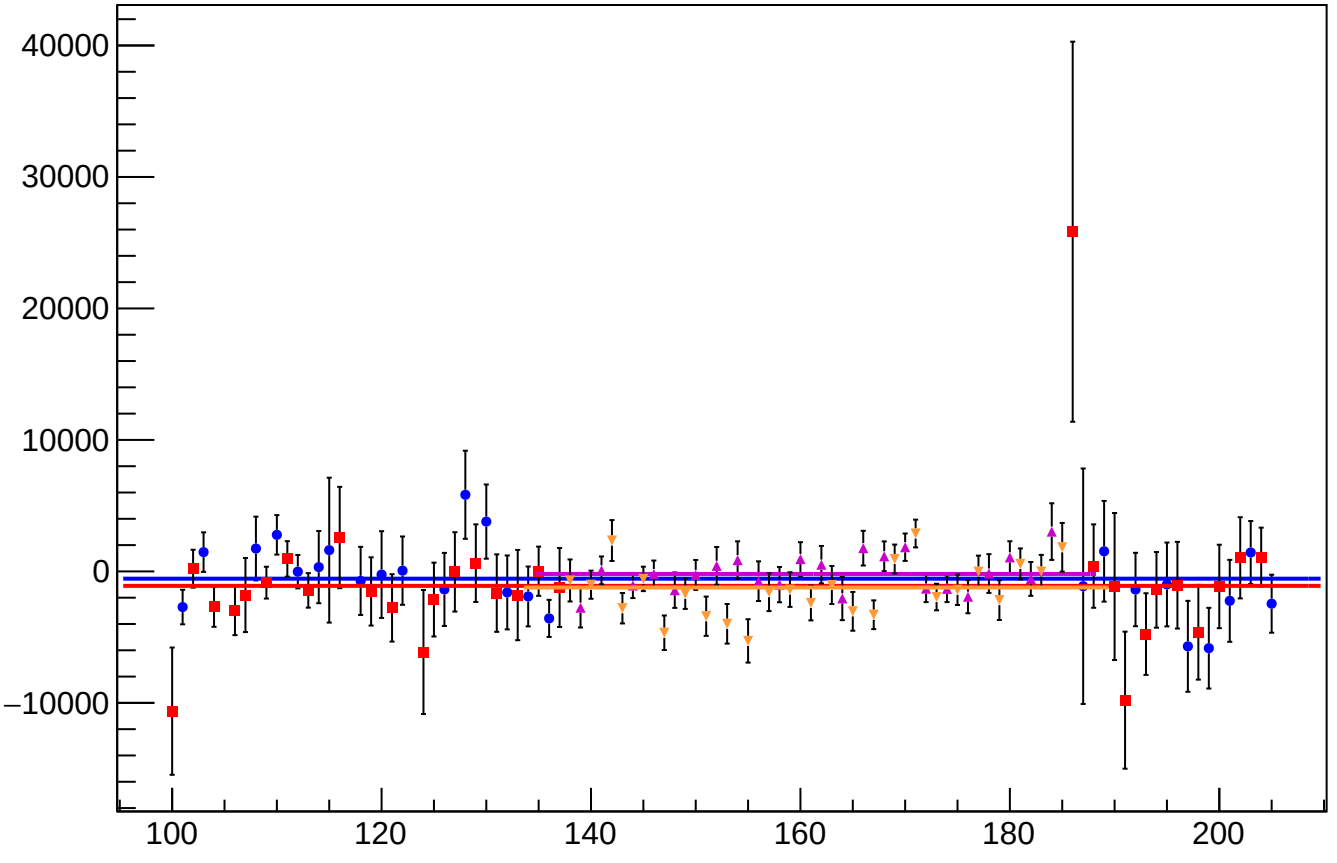
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 147.184+/-0.018 χ^2/NDF: 2330425.6/49

All: 147.734+/-0.013 χ^2/NDF: 5554489.7/102

\- sign 148.297+/-0.019 χ^2/NDF: 3222253.8/52

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1099.787+/-426.007 χ^2/NDF: 23.1/29

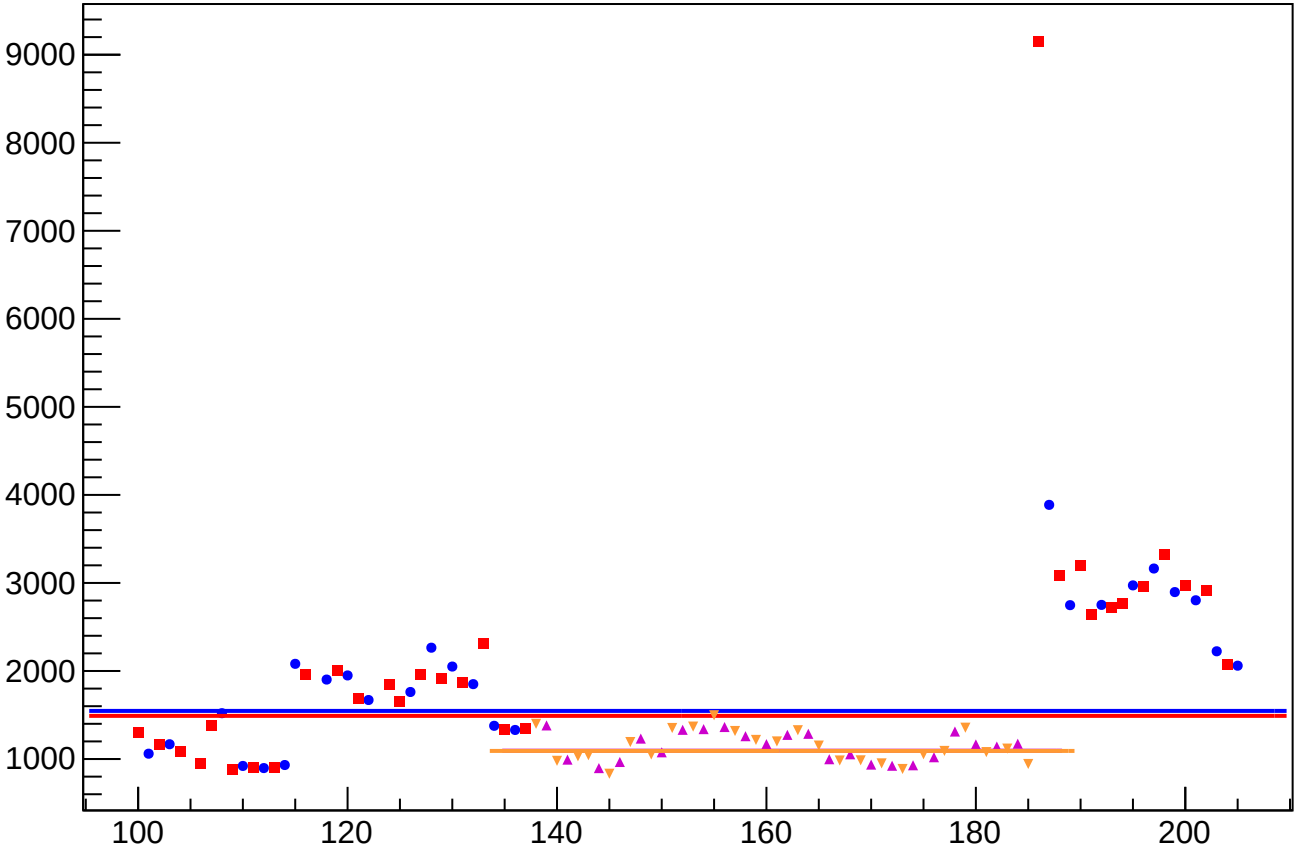
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1064.474+/-219.614 χ^2/NDF: 90.3/49

All: -753.675+/-155.869 χ^2/NDF: 144.0/102

- sign -438.201+/-221.260 χ^2/NDF: 49.7/52

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

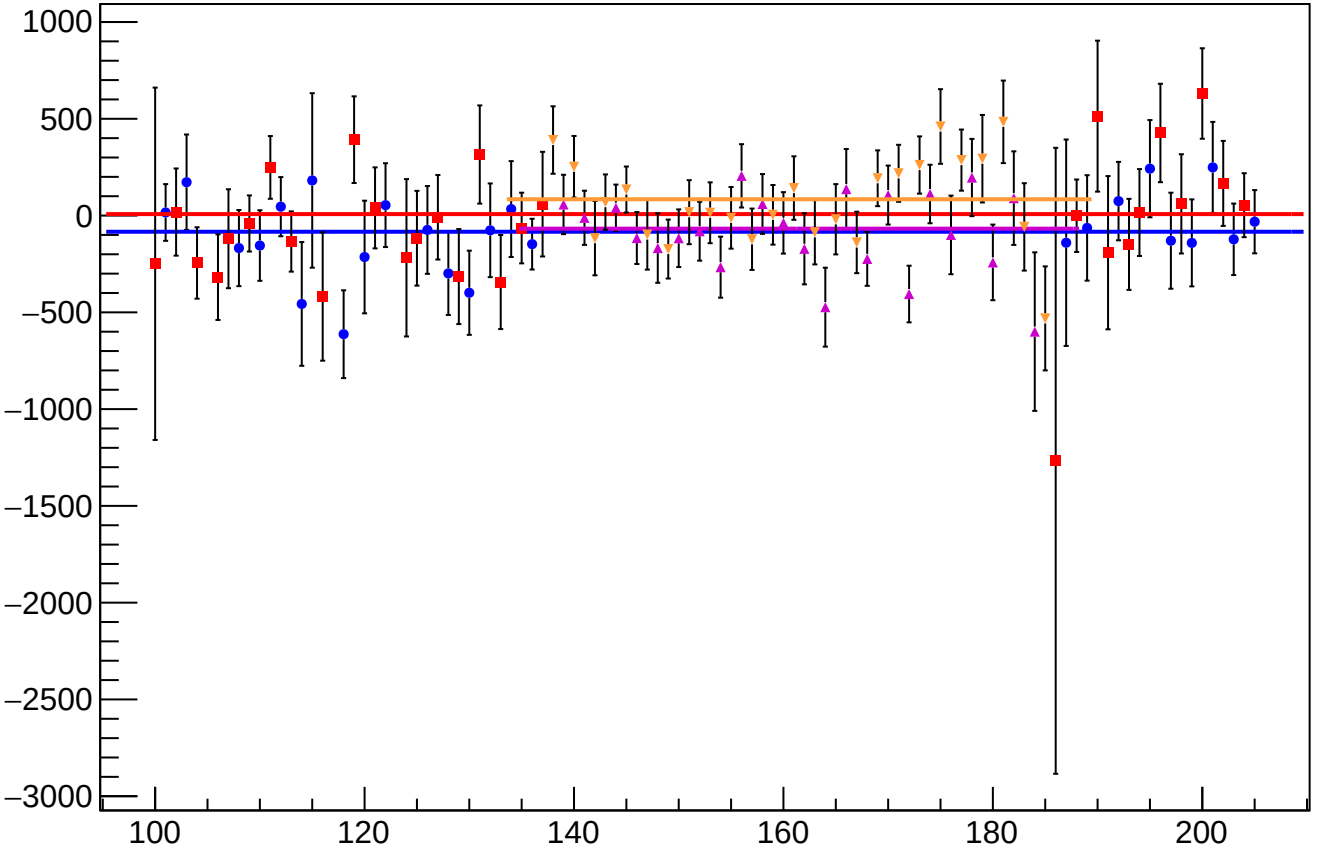
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1200.667+/-0.155 χ^2/NDF: 6686281.3/49

All: 1200.964+/-0.110 χ^2/NDF: 14747476.8/1

- sign 1201.266+/-0.156 χ^2/NDF: 8061188.1/52

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 7.612+/-41.257 χ^2/NDF: 31.7/29

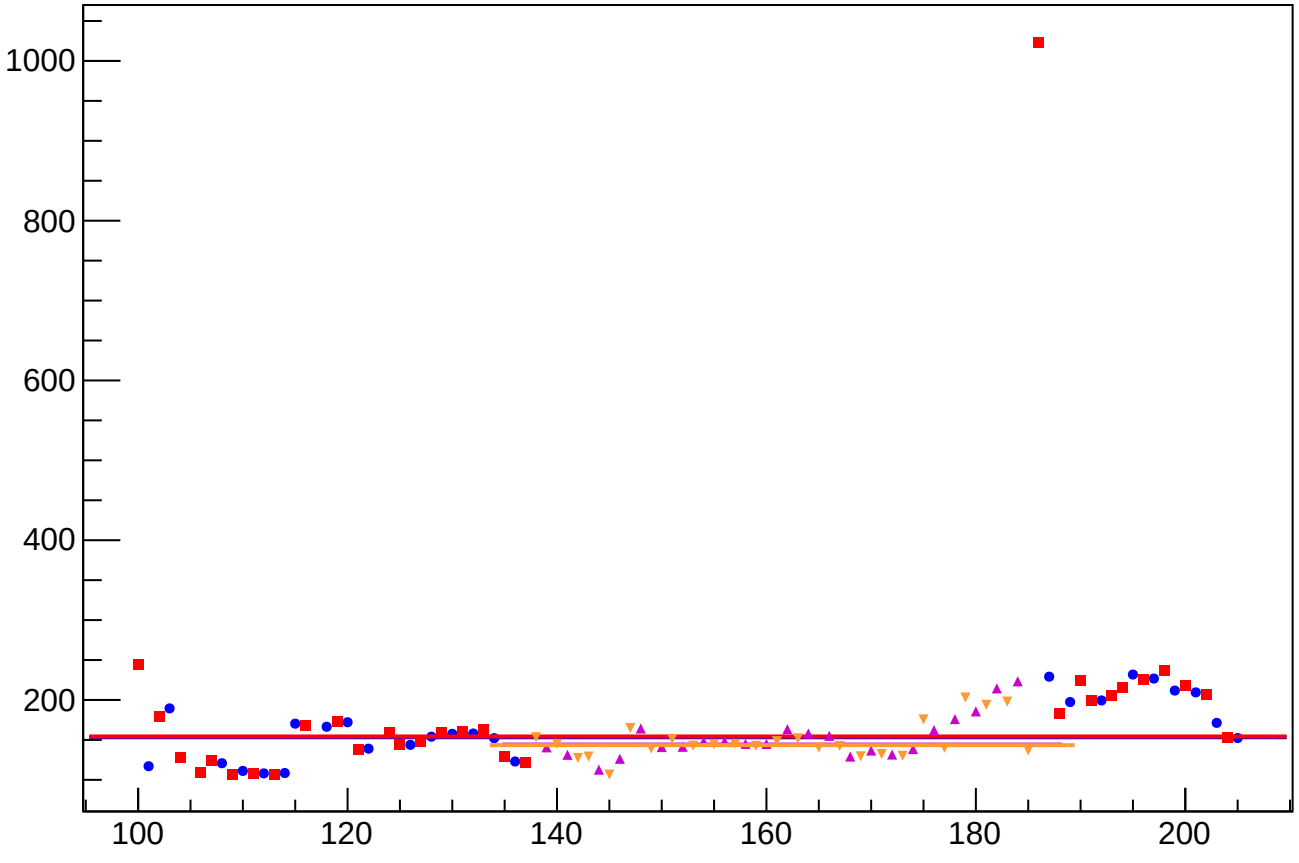
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 20.565+/-26.017 χ^2/NDF: 62.1/49

All: -7.936+/-18.496 χ^2/NDF: 124.7/102

- sign -37.063+/-26.301 χ^2/NDF: 60.2/52

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

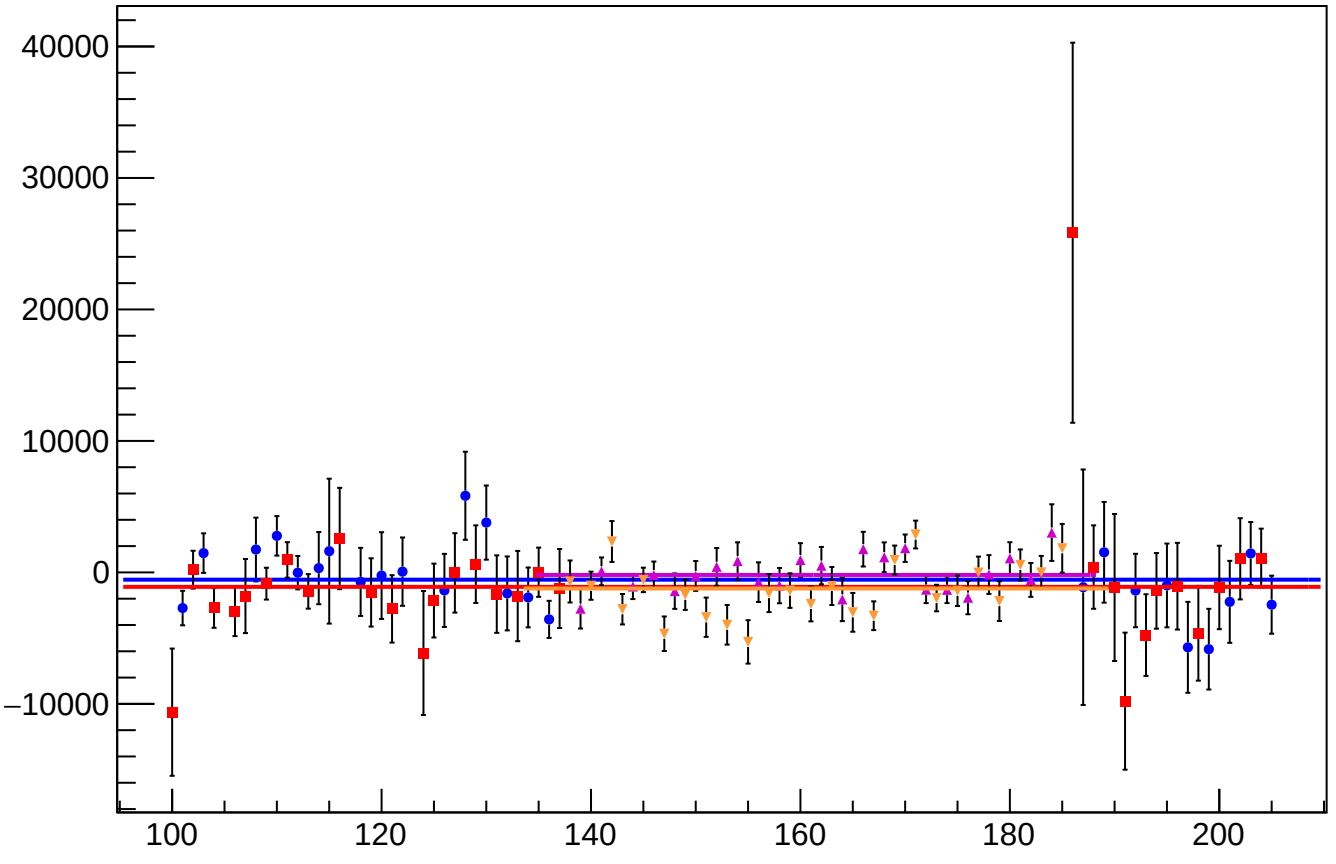
Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.184+/-0.018 χ^2/NDF: 2330425.6/49

All: 147.734+/-0.013 χ^2/NDF: 5554489.7/102

- sign 148.297+/-0.019 χ^2/NDF: 3222253.8/52



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1099.787+/-426.007 χ^2/NDF: 23.1/29

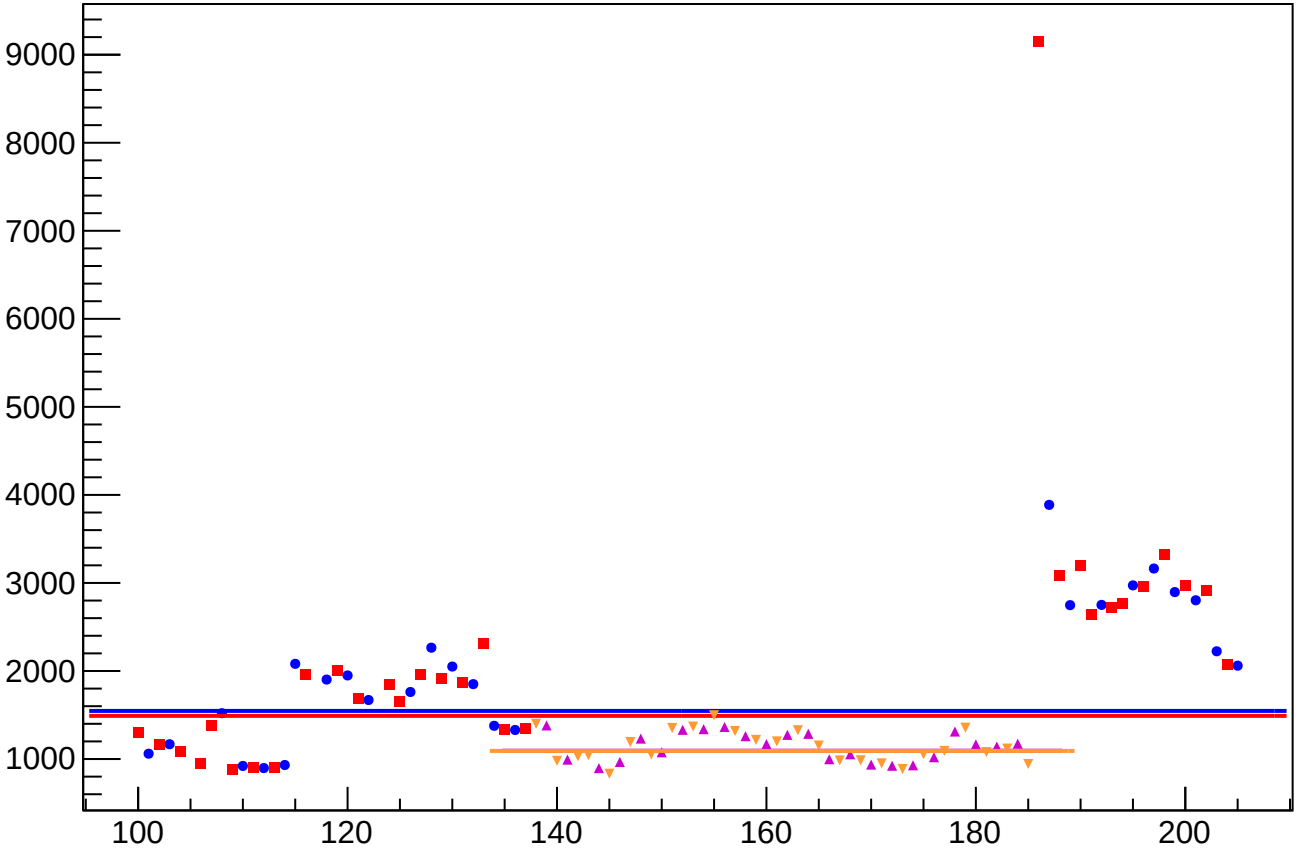
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1064.474+/-219.614 χ^2/NDF: 90.3/49

All: -753.675+/-155.869 χ^2/NDF: 144.0/102

- sign -438.201+/-221.260 χ^2/NDF: 49.7/52

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

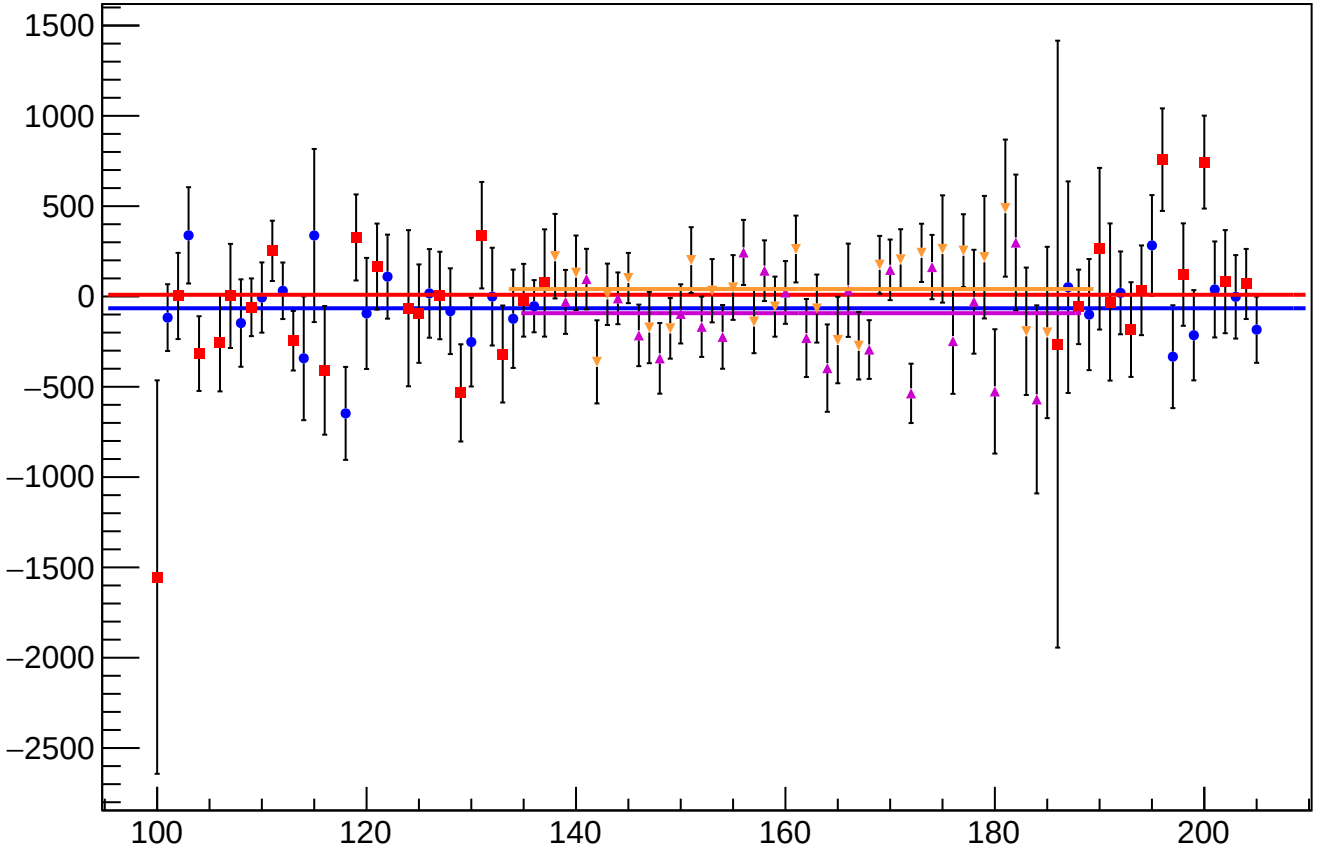
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1200.667+/-0.155 χ^2/NDF: 6686281.3/49

All: 1200.964+/-0.110 χ^2/NDF: 14747476.8/1

- sign 1201.266+/-0.156 χ^2/NDF: 8061188.1/52

dit_asym_sam_48_avg_mean vs Slug



Right In: -65.332+/-47.299 χ^2/NDF: 14.5/24

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 9.348+/-45.768 χ^2/NDF: 37.3/29

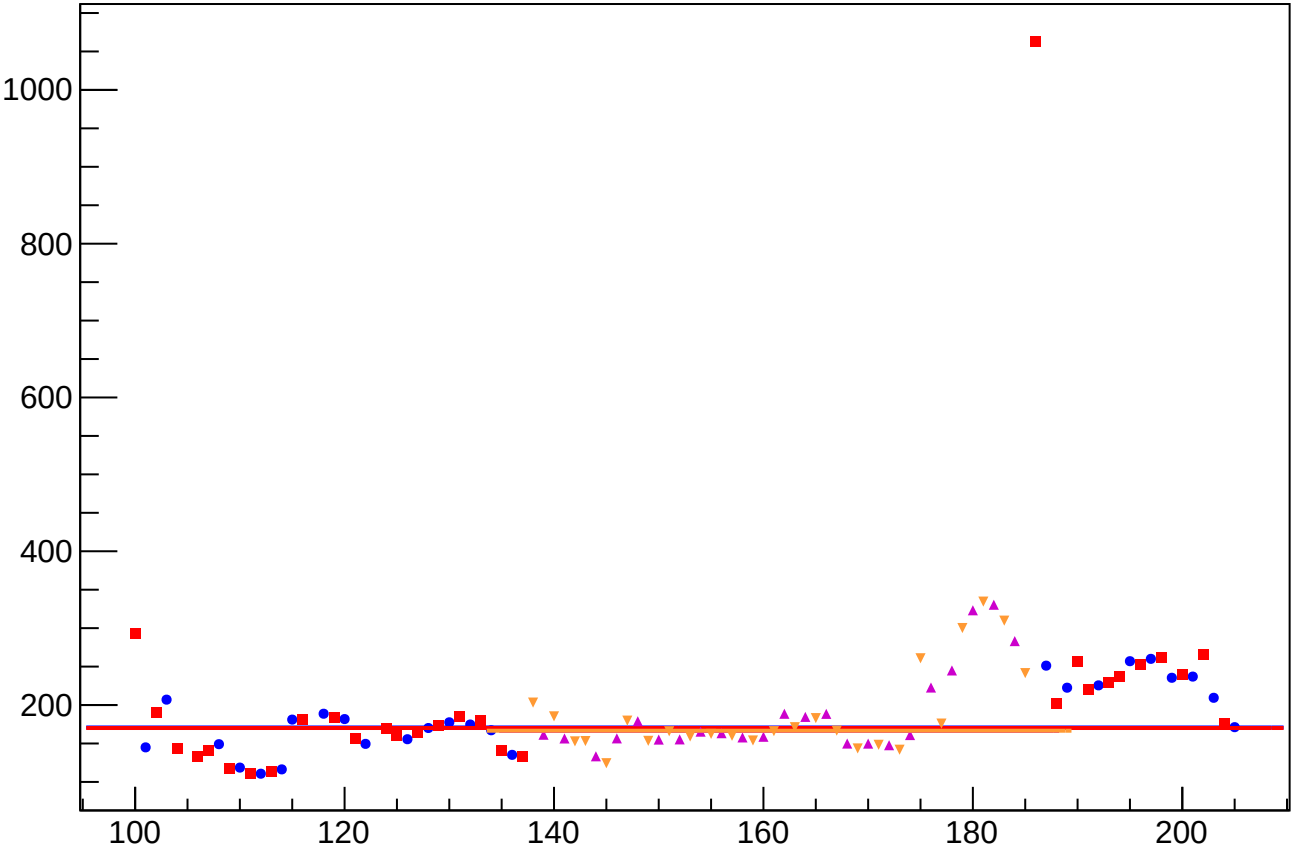
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -2.216+/-30.171 χ^2/NDF: 39.8/49

All: -25.204+/-21.340 χ^2/NDF: 110.5/102

- sign -48.219+/-30.189 χ^2/NDF: 69.6/52

dit_asym_sam_48_avg_rms vs Slug



Right In: 170.826+/-0.033 χ^2/NDF: 1653372.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.133+/-0.032 χ^2/NDF: 2644585.5/29

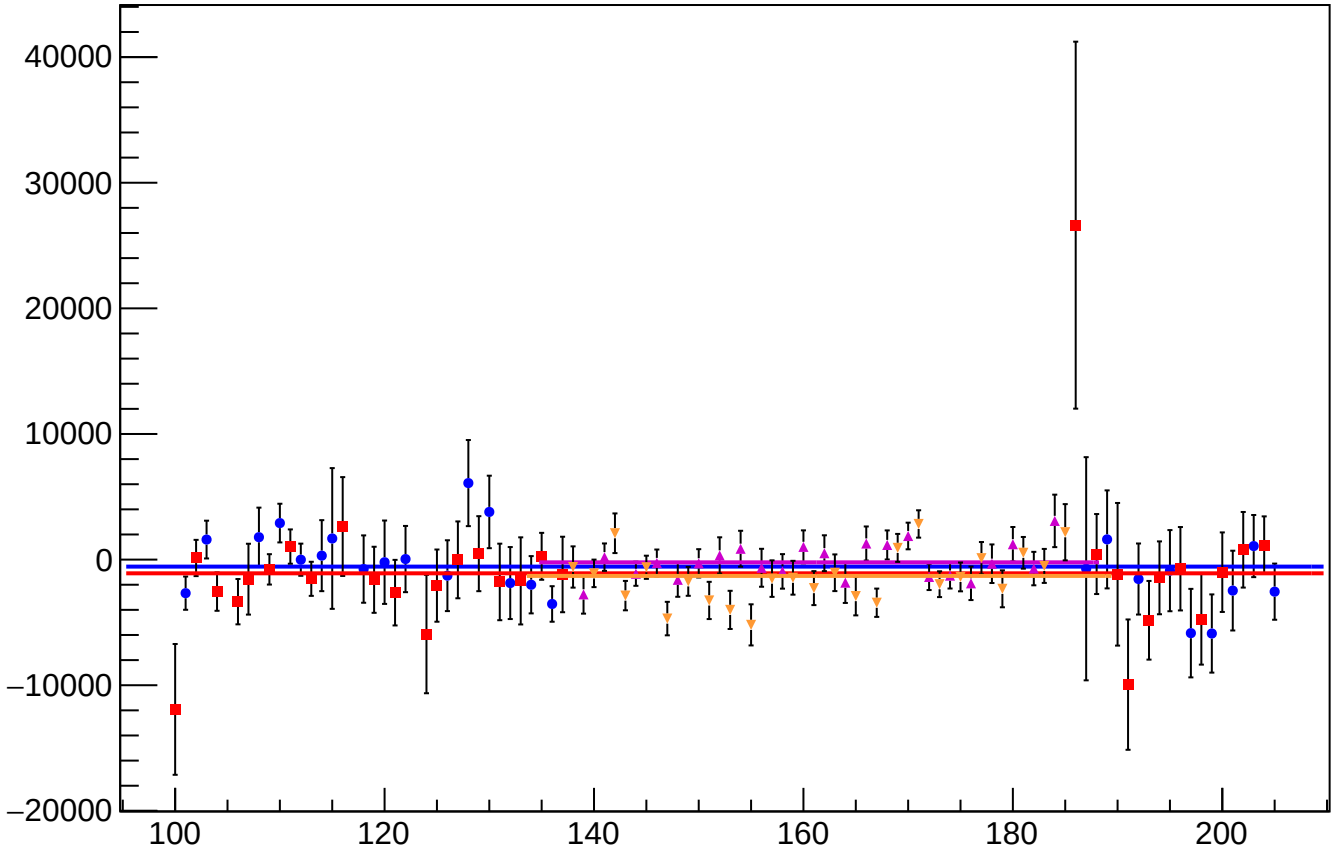
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 168.319+/-0.021 χ^2/NDF: 3382685.3/49

All: 168.146+/-0.015 χ^2/NDF: 7427760.4/102

- sign 167.972+/-0.021 χ^2/NDF: 4044943.2/52

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -557.456+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1091.654+/-429.013 χ^2/NDF: 24.2/29

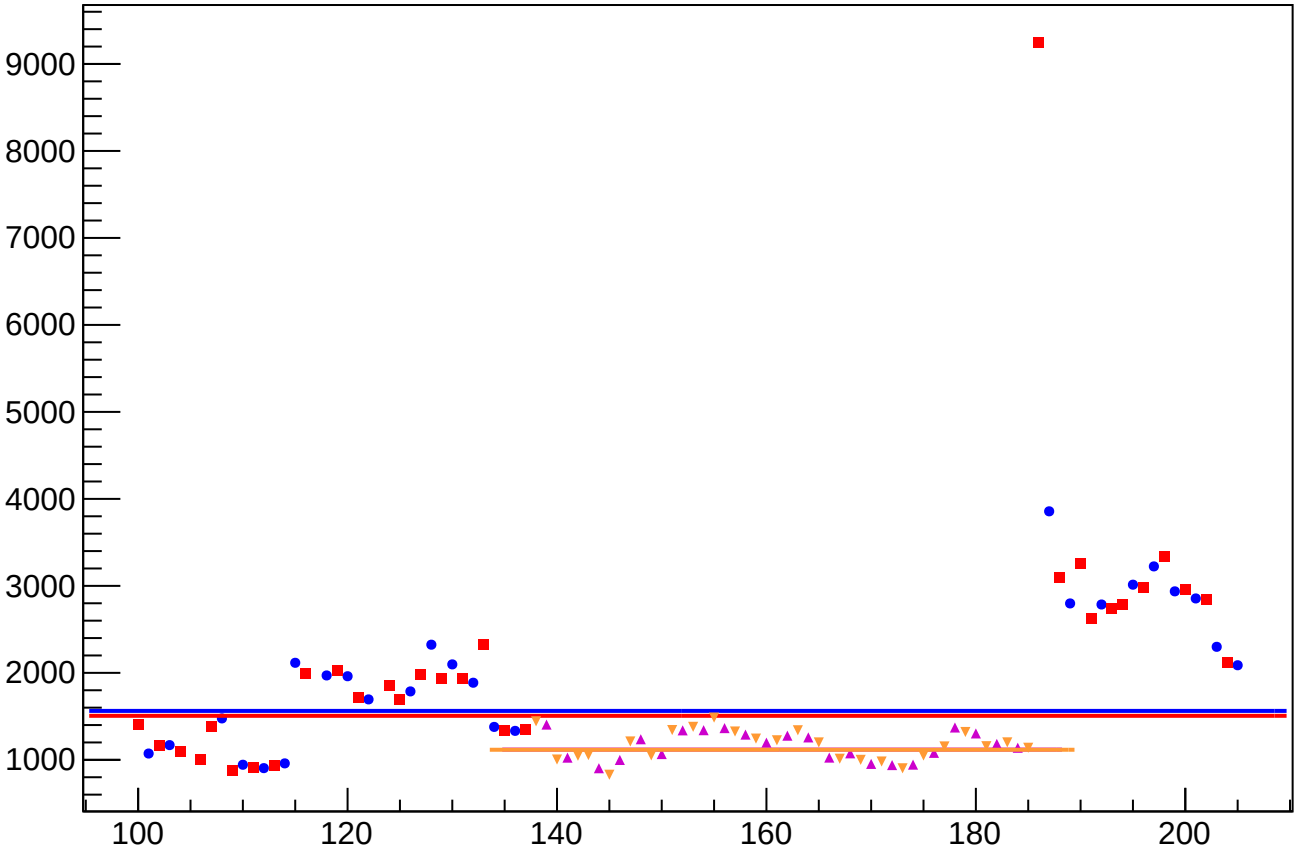
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1118.666+/-223.644 χ^2/NDF: 86.6/49

All: -790.424+/-158.645 χ^2/NDF: 140.4/102

- sign -457.956+/-225.079 χ^2/NDF: 49.4/52

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1562.667+/-0.321 χ^2/NDF: 4293476.9/24

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1506.270+/-0.303 χ^2/NDF: 6014353.4/29

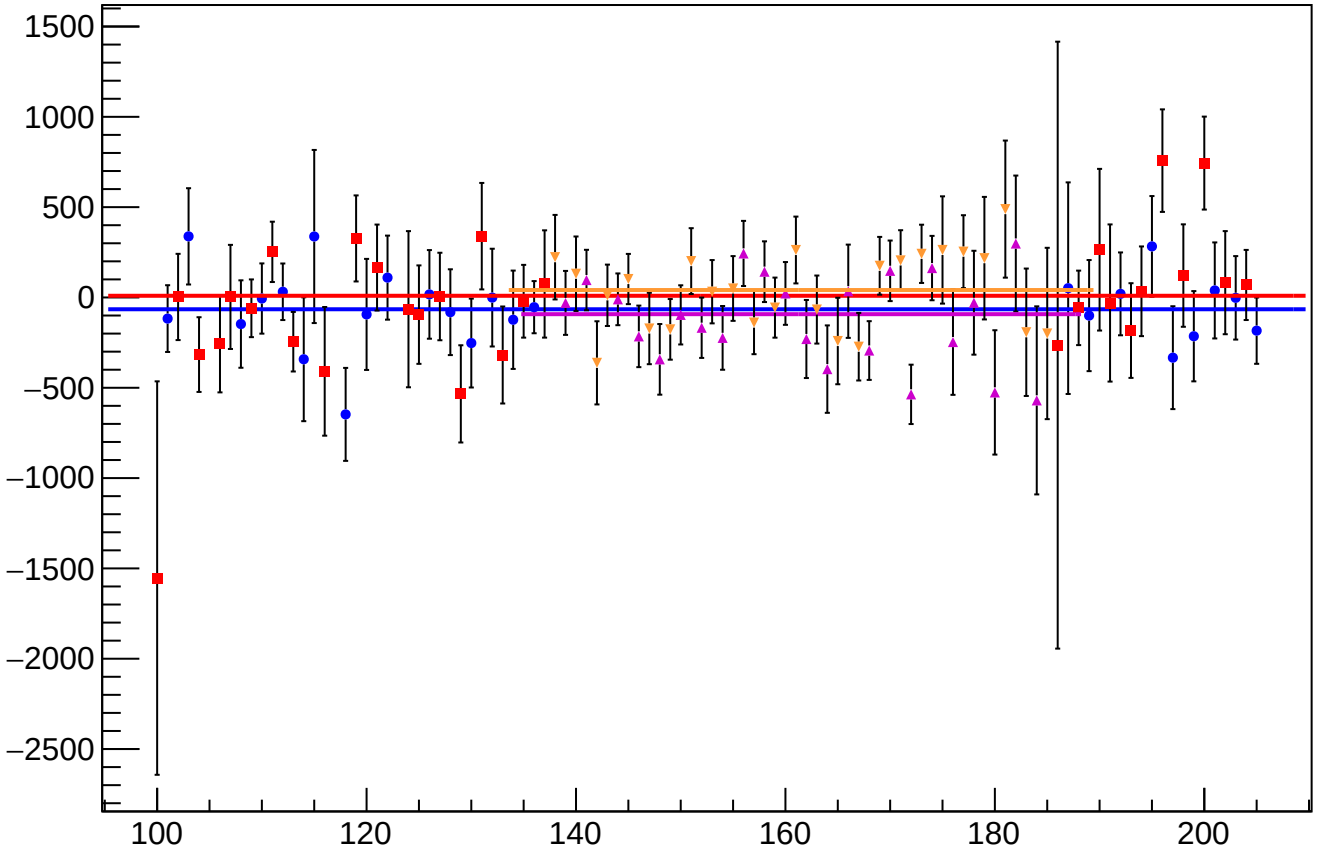
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1224.345+/-0.158 χ^2/NDF: 6626245.6/49

All: 1224.546+/-0.112 χ^2/NDF: 14558275.7/1

- sign 1224.750+/-0.159 χ^2/NDF: 7932026.9/52

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -65.329+/-47.298 χ^2/NDF: 14.5/24

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 9.349+/-45.768 χ^2/NDF: 37.3/29

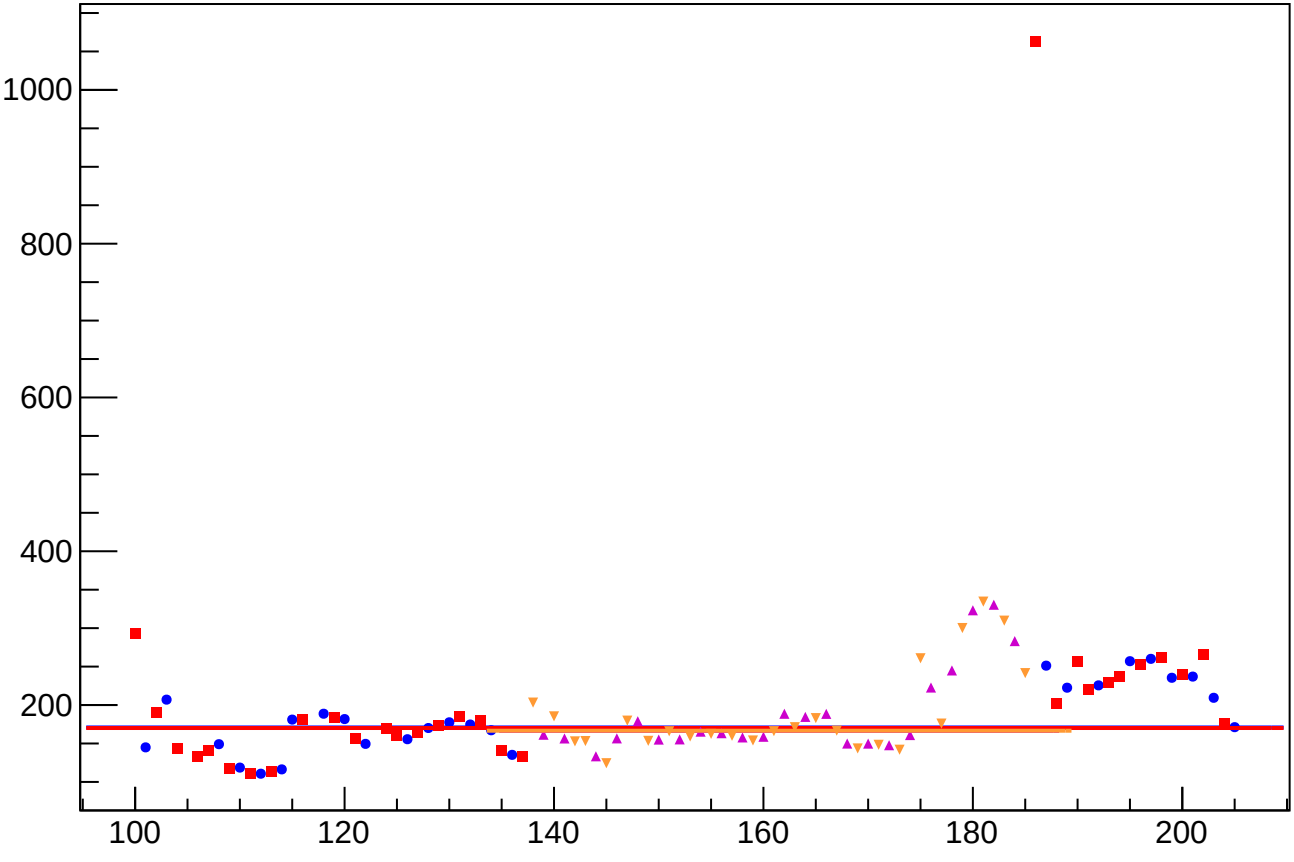
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -2.213+/-30.171 χ^2/NDF: 39.8/49

All: -25.203+/-21.340 χ^2/NDF: 110.5/102

- sign -48.219+/-30.189 χ^2/NDF: 69.6/52

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 170.826+/-0.033 χ^2/NDF: 1653360.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

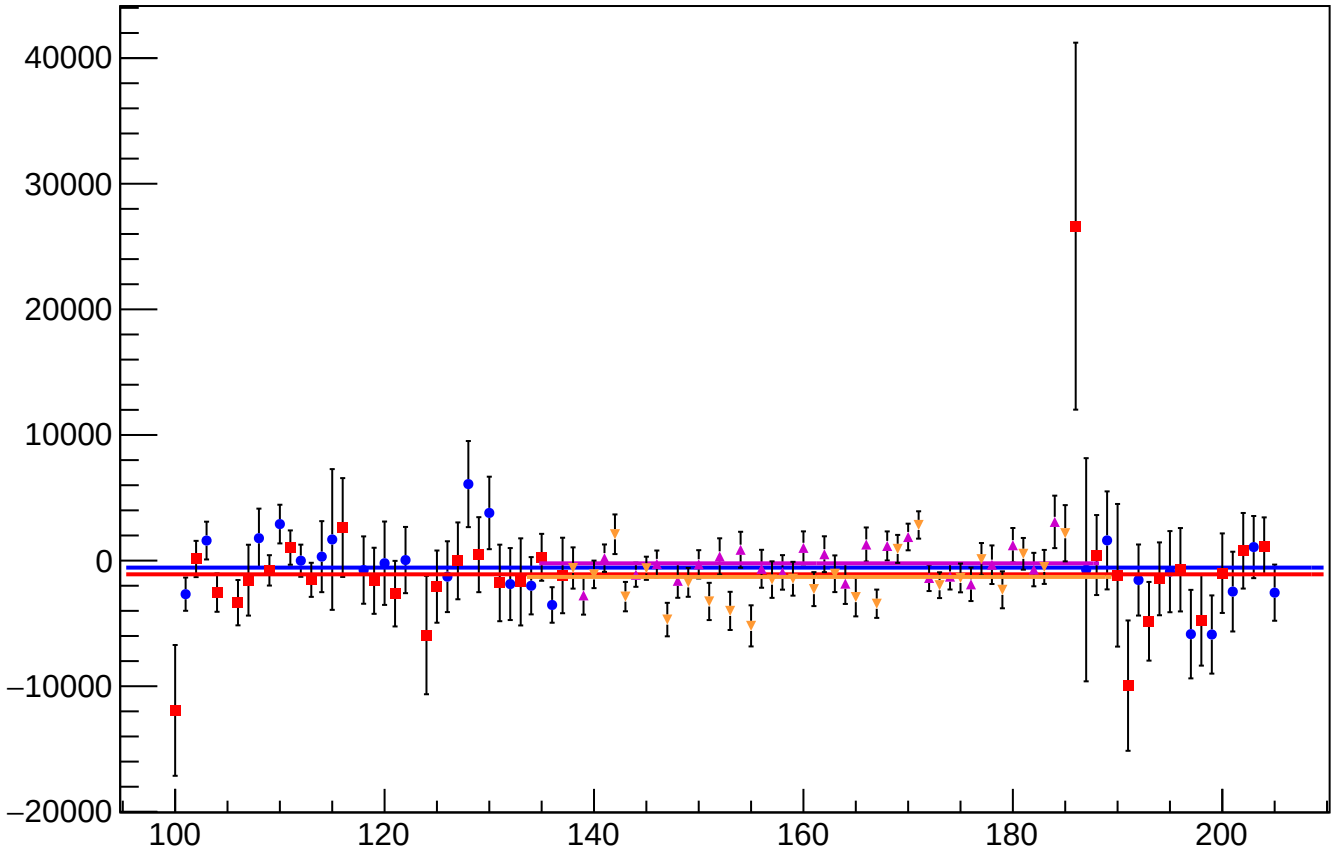
Right Out: 170.133+/-0.032 χ^2/NDF: 2644592.1/29

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 168.319+/-0.021 χ^2/NDF: 3382665.4/49

All: 168.146+/-0.015 χ^2/NDF: 7427725.6/102

- sign 167.972+/-0.021 χ^2/NDF: 4044928.3/52



Right In: -557.455+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

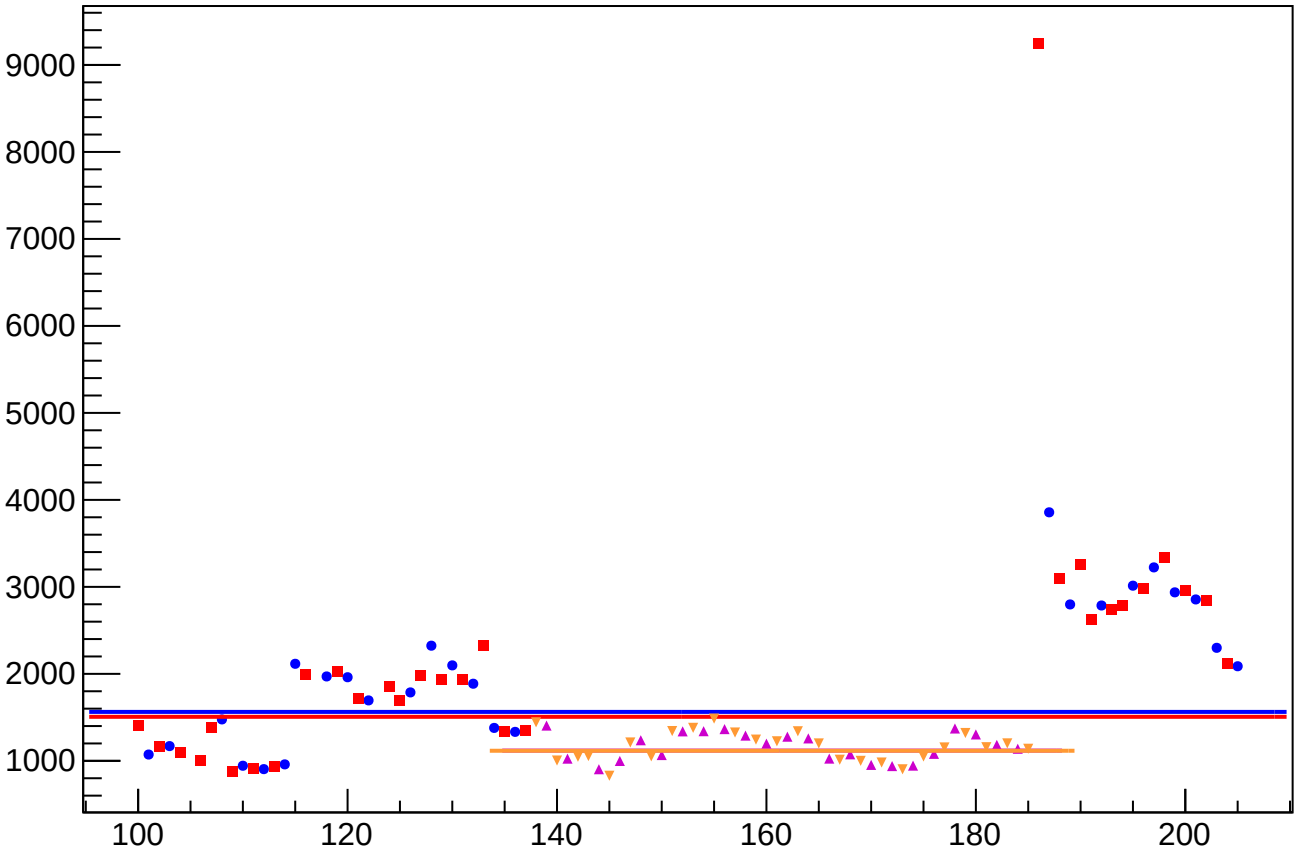
Right Out: -1091.652+/-429.013 χ^2/NDF: 24.2/29

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1118.663+/-223.644 χ^2/NDF: 86.6/49

All: -790.422+/-158.645 χ^2/NDF: 140.4/102

- sign -457.954+/-225.079 χ^2/NDF: 49.4/52



Right In: 1562.665+/-0.321 χ^2/NDF: 4293477.4/24

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1506.268+/-0.303 χ^2/NDF: 6014350.8/29

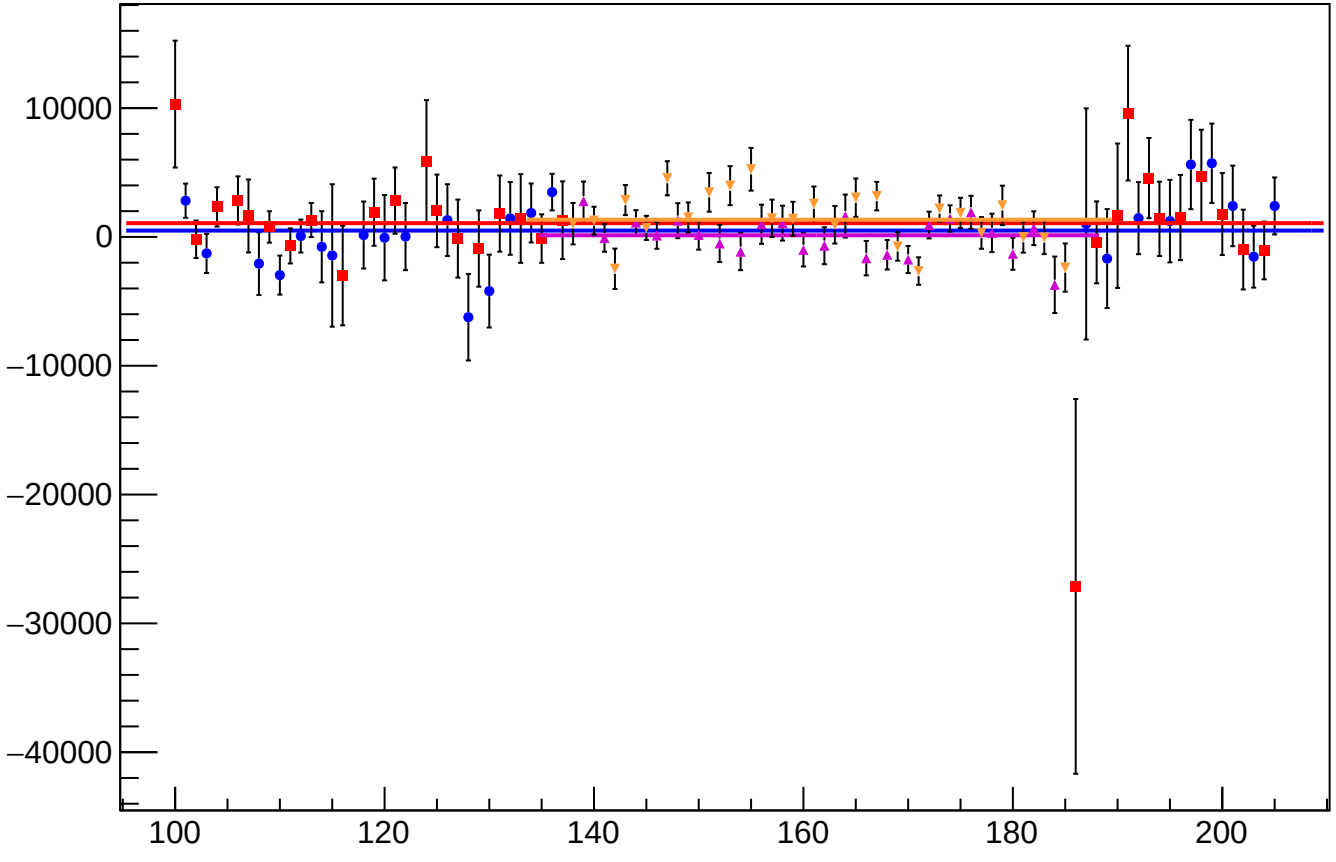
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1224.343+/-0.158 χ^2/NDF: 6626253.2/49

All: 1224.544+/-0.112 χ^2/NDF: 14558284.2/1

- sign 1224.748+/-0.159 χ^2/NDF: 7932027.8/52

asym_sam_48_avg_mean vs Slug



Right In: 493.822+/-452.050 χ^2/NDF: 30.4/24

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1069.455+/-428.224 χ^2/NDF: 21.9/29

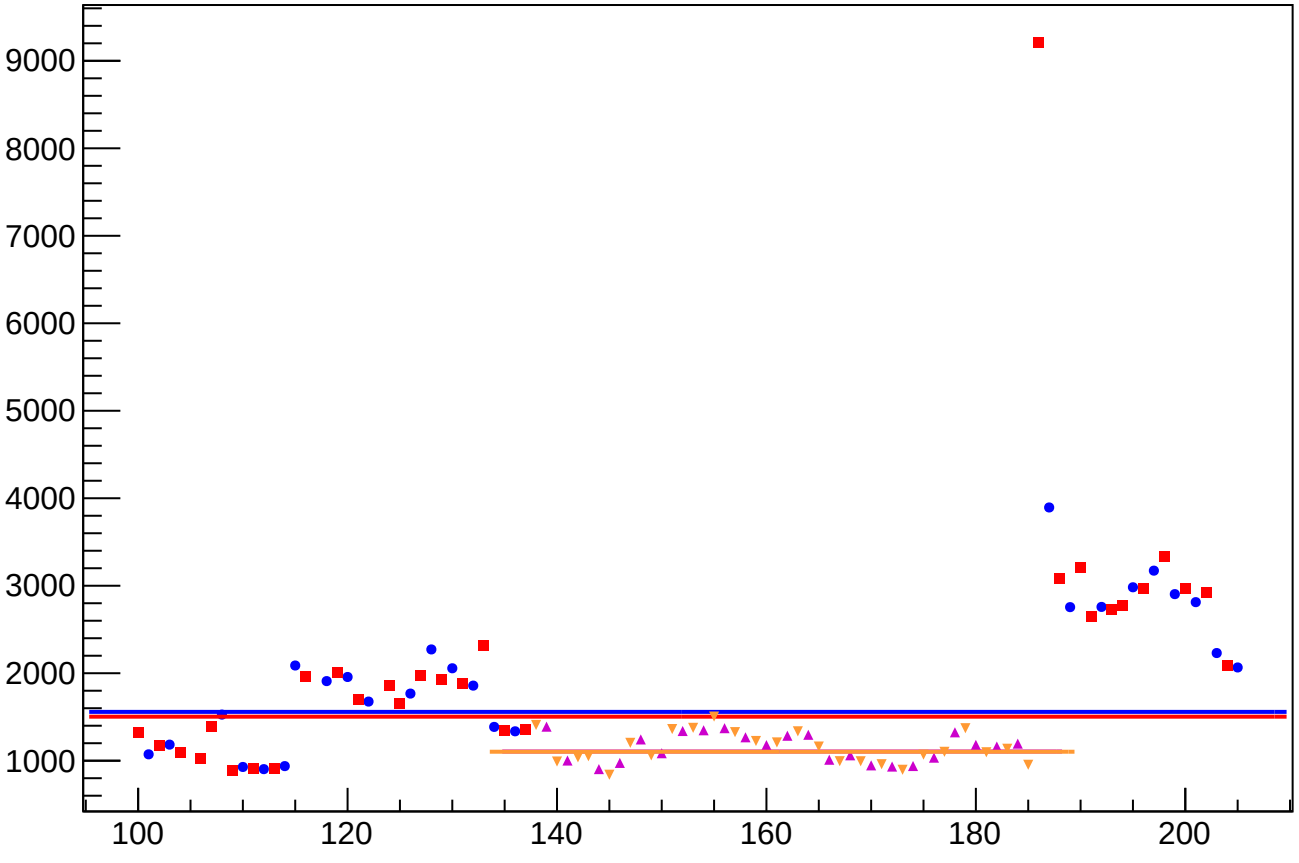
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1132.703+/-221.562 χ^2/NDF: 88.7/49

All: 760.916+/-157.218 χ^2/NDF: 143.8/102

- sign 383.864+/-223.125 χ^2/NDF: 49.4/52

asym_sam_48_avg_rms vs Slug



Right In: 1558.187+/-0.320 χ^2/NDF: 4186866.3/24

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

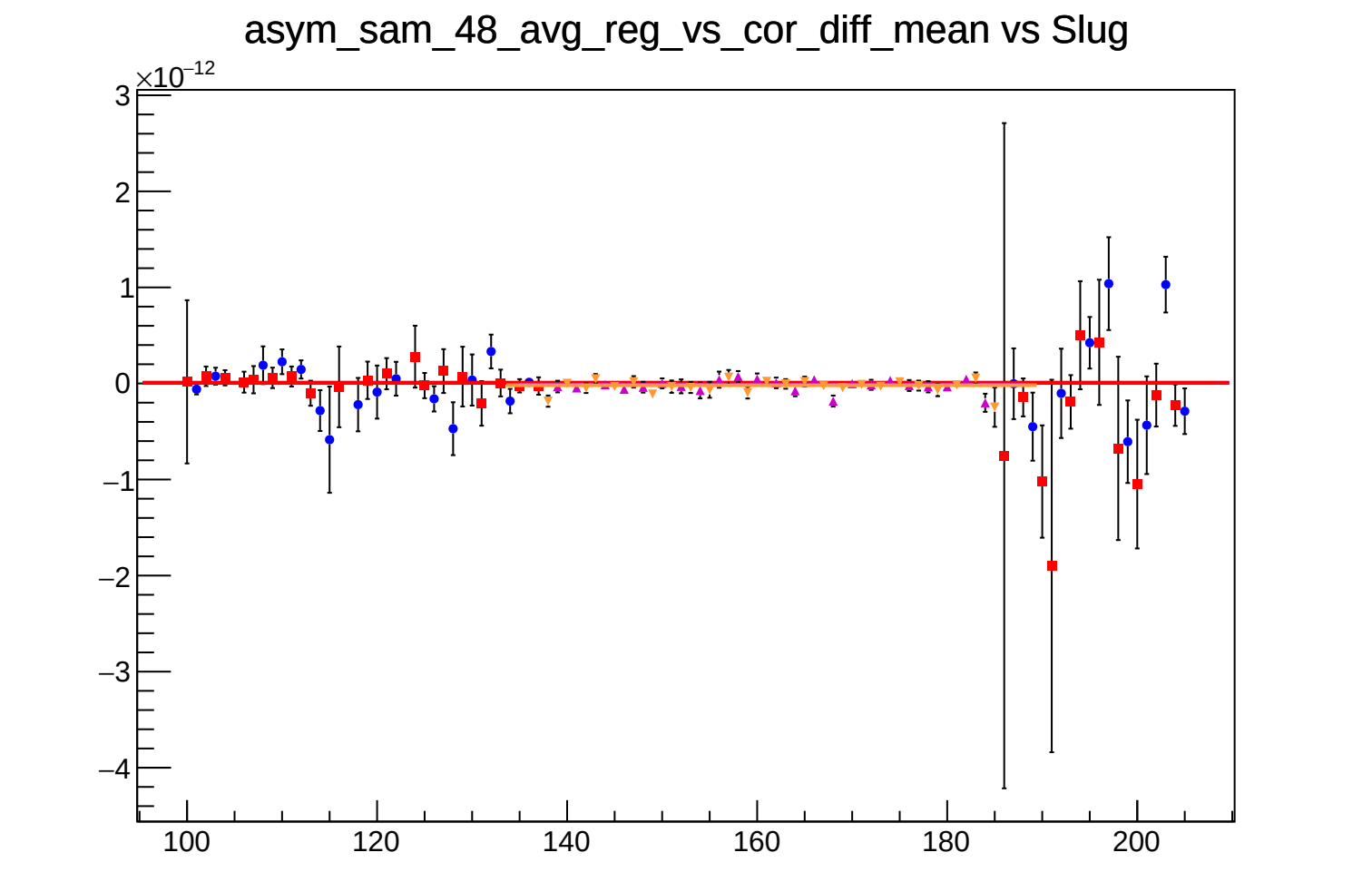
Right Out: 1503.422+/-0.303 χ^2/NDF: 5988098.0/29

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1212.120+/-0.157 χ^2/NDF: 6610076.0/49

All: 1212.712+/-0.111 χ^2/NDF: 14581519.6/1

- sign 1213.313+/-0.158 χ^2/NDF: 7971414.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 47.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

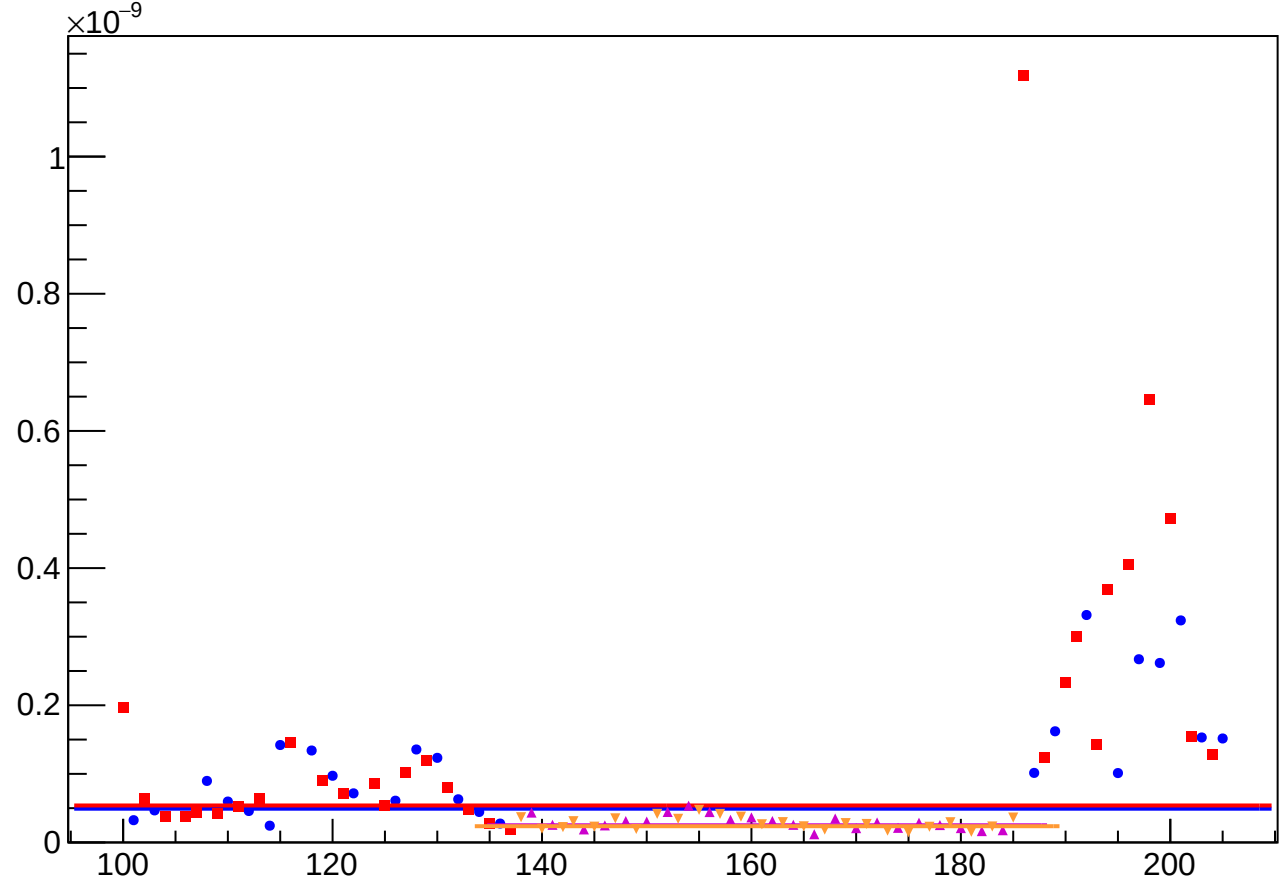
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/29

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.0/49

All: -0.000+/-0.000 χ^2/NDF: 118.3/102

- sign -0.000+/-0.000 χ^2/NDF: 43.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4631087.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

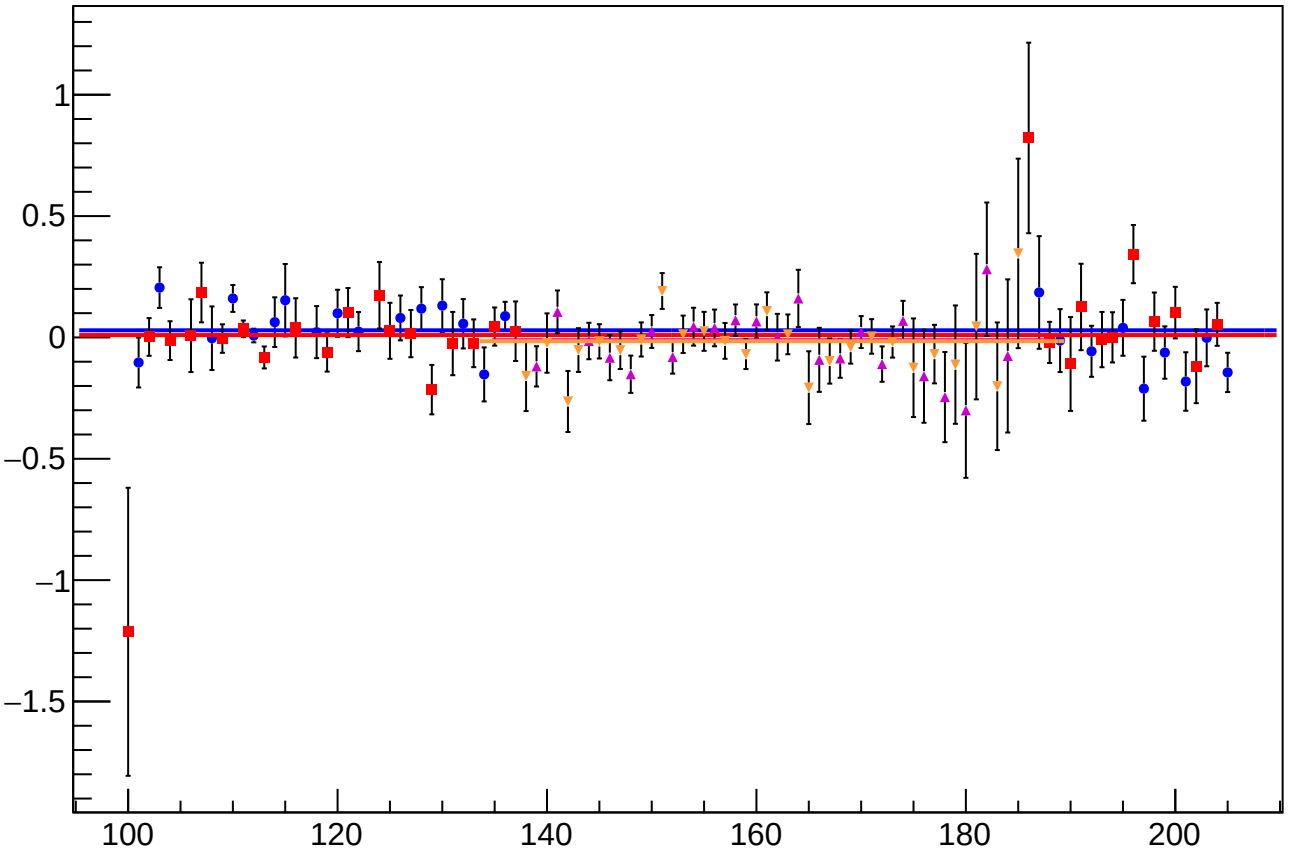
Right Out: 0.000+/-0.000 χ^2/NDF: 5312464.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7769830.6/49

All: 0.000+/-0.000 χ^2/NDF: 16559542.8/102

- sign 0.000+/-0.000 χ^2/NDF: 8746101.1/52



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

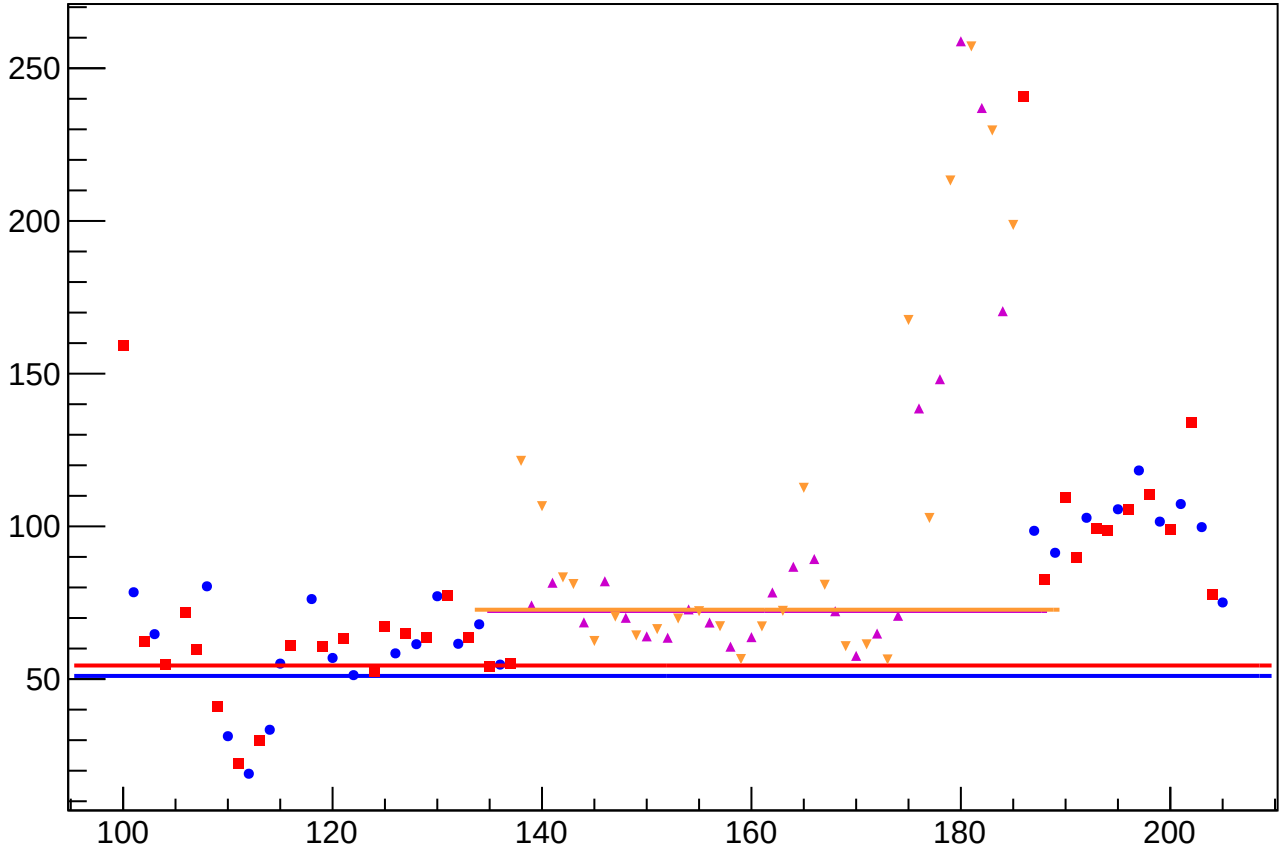
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.005+/-0.009 χ^2/NDF: 116.6/102

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

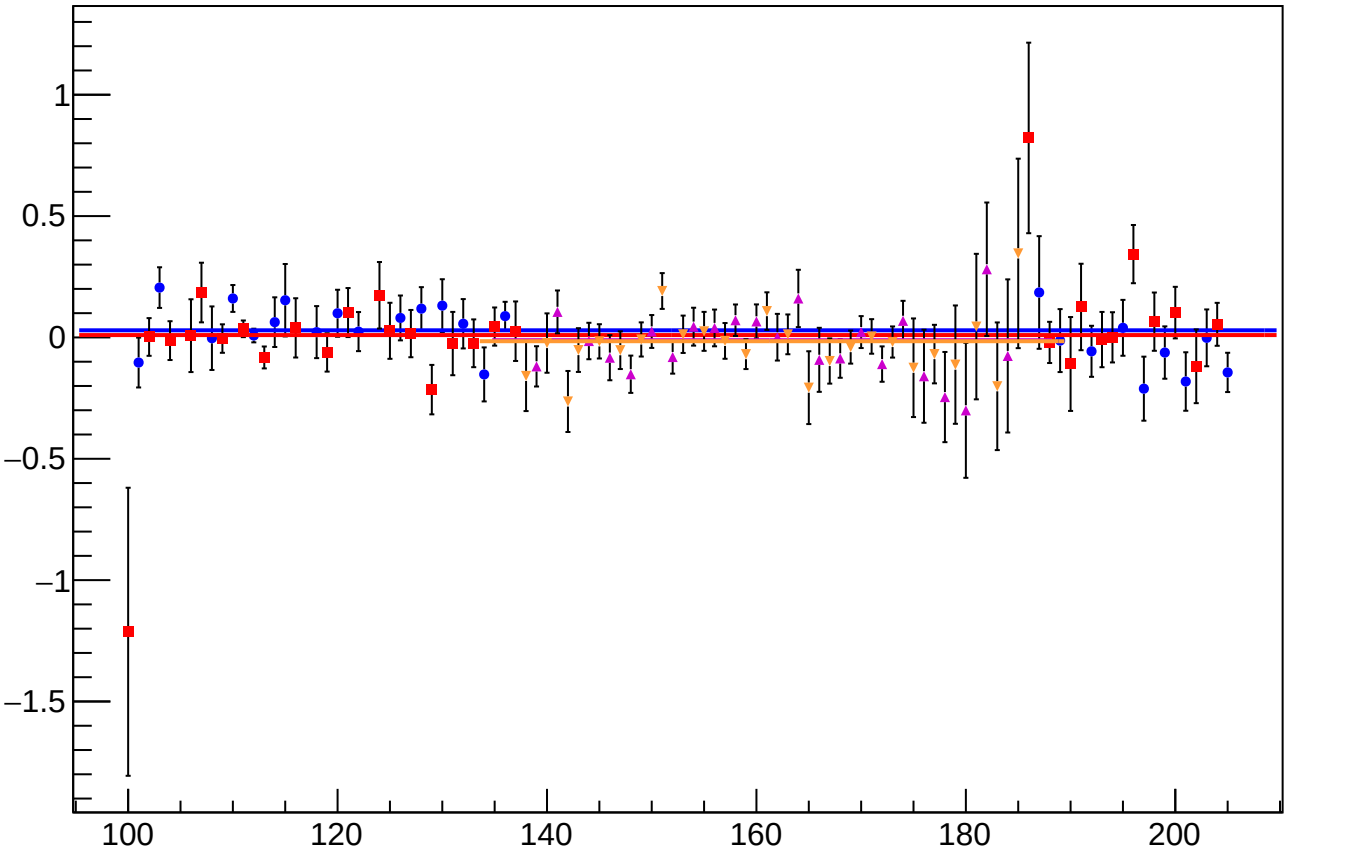
Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 60.707+/-0.008 χ^2/NDF: 12252074.3/49

All: 61.463+/-0.006 χ^2/NDF: 22311673.9/102

- sign 62.227+/-0.009 χ^2/NDF: 10043617.9/52



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

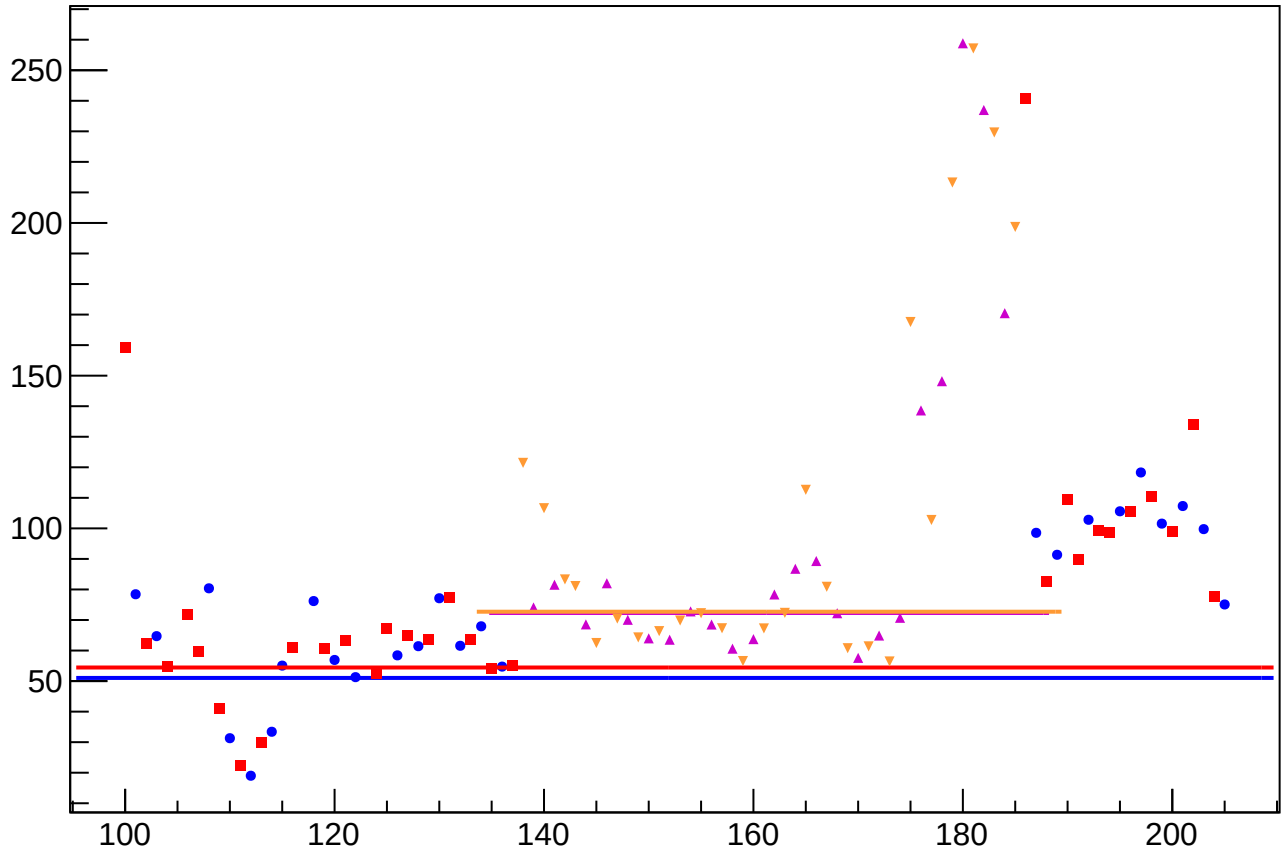
Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.005+/-0.009 χ^2/NDF: 116.6/102

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

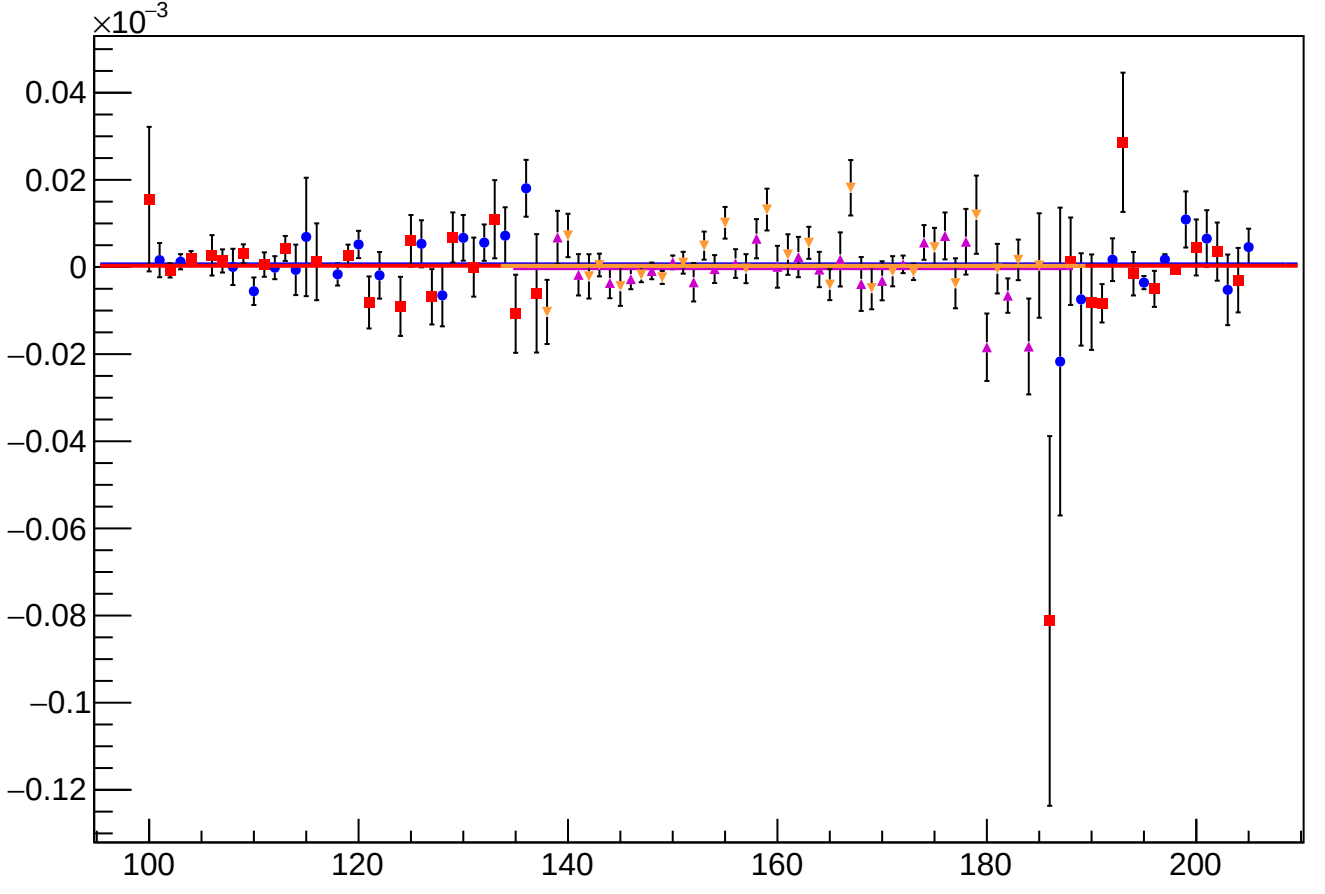
Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 60.707+/-0.008 χ^2/NDF: 12252074.3/49

All: 61.463+/-0.006 χ^2/NDF: 22311673.9/102

- sign 62.227+/-0.009 χ^2/NDF: 10043617.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

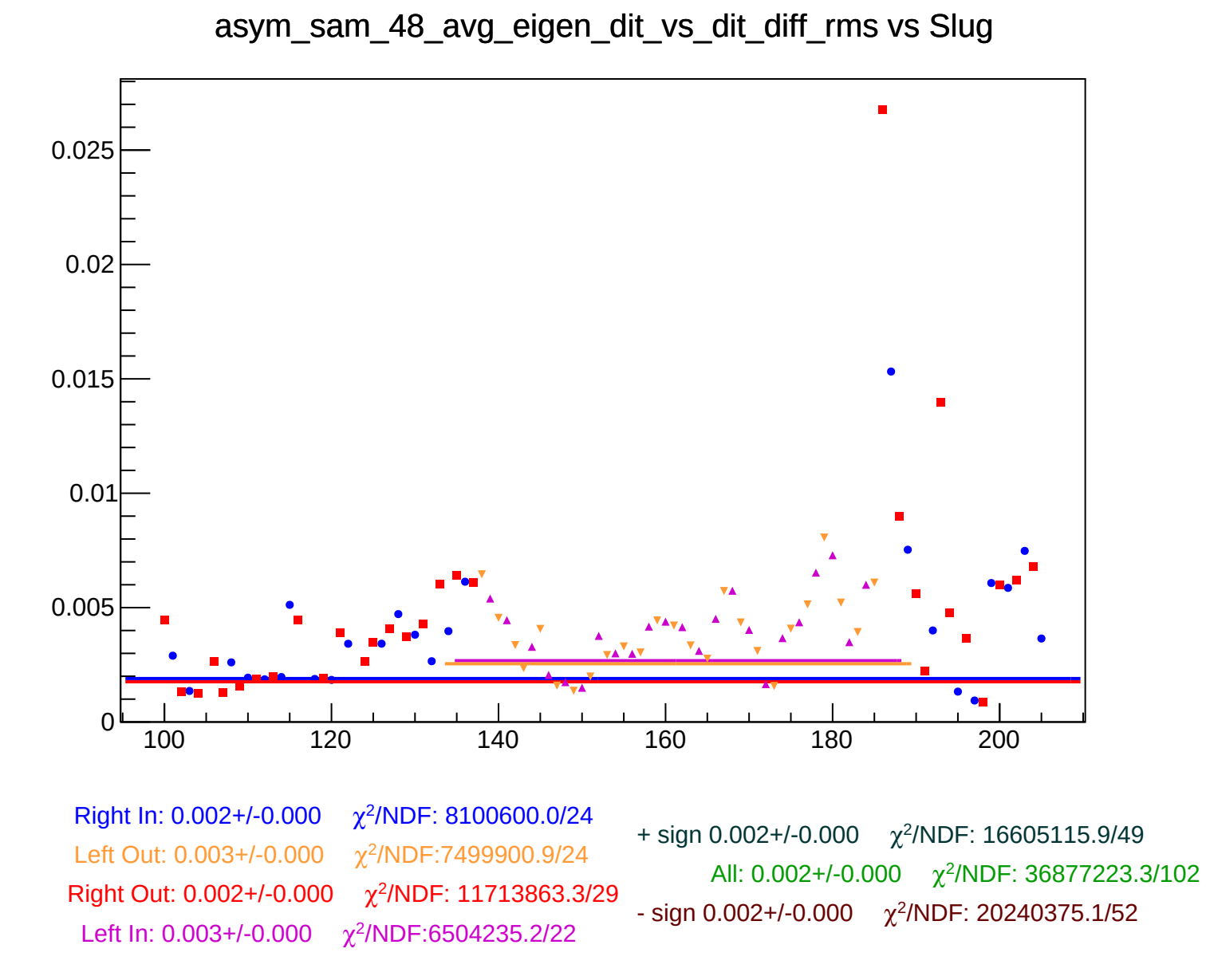
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/29

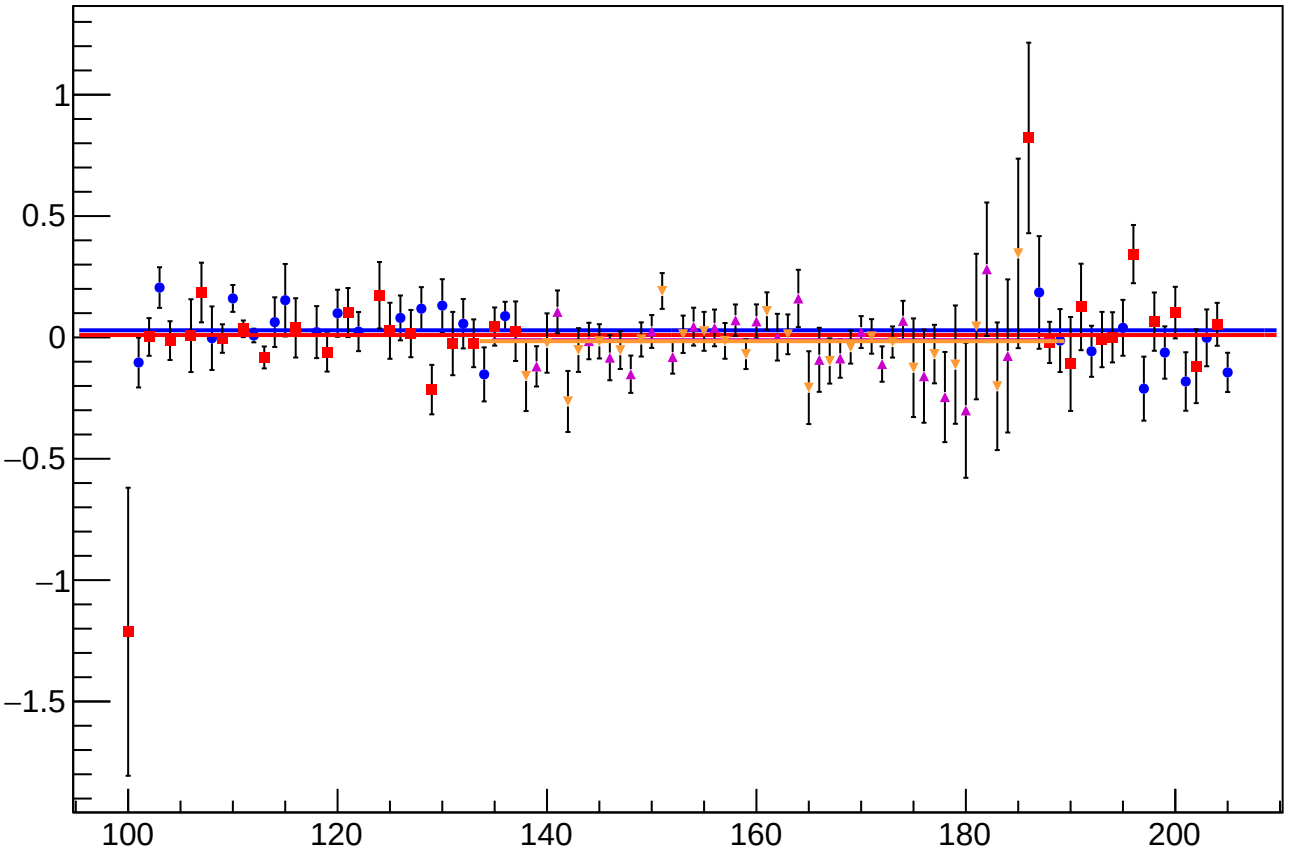
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.0/49

All: 0.000+/-0.000 χ^2/NDF: 135.0/102

- sign 0.000+/-0.000 χ^2/NDF: 56.7/52


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 8100600.0/24
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 11713863.3/29
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 16605115.9/49
All: 0.002+/-0.000 χ²/NDF: 36877223.3/102
- sign 0.002+/-0.000 χ²/NDF: 20240375.1/52



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

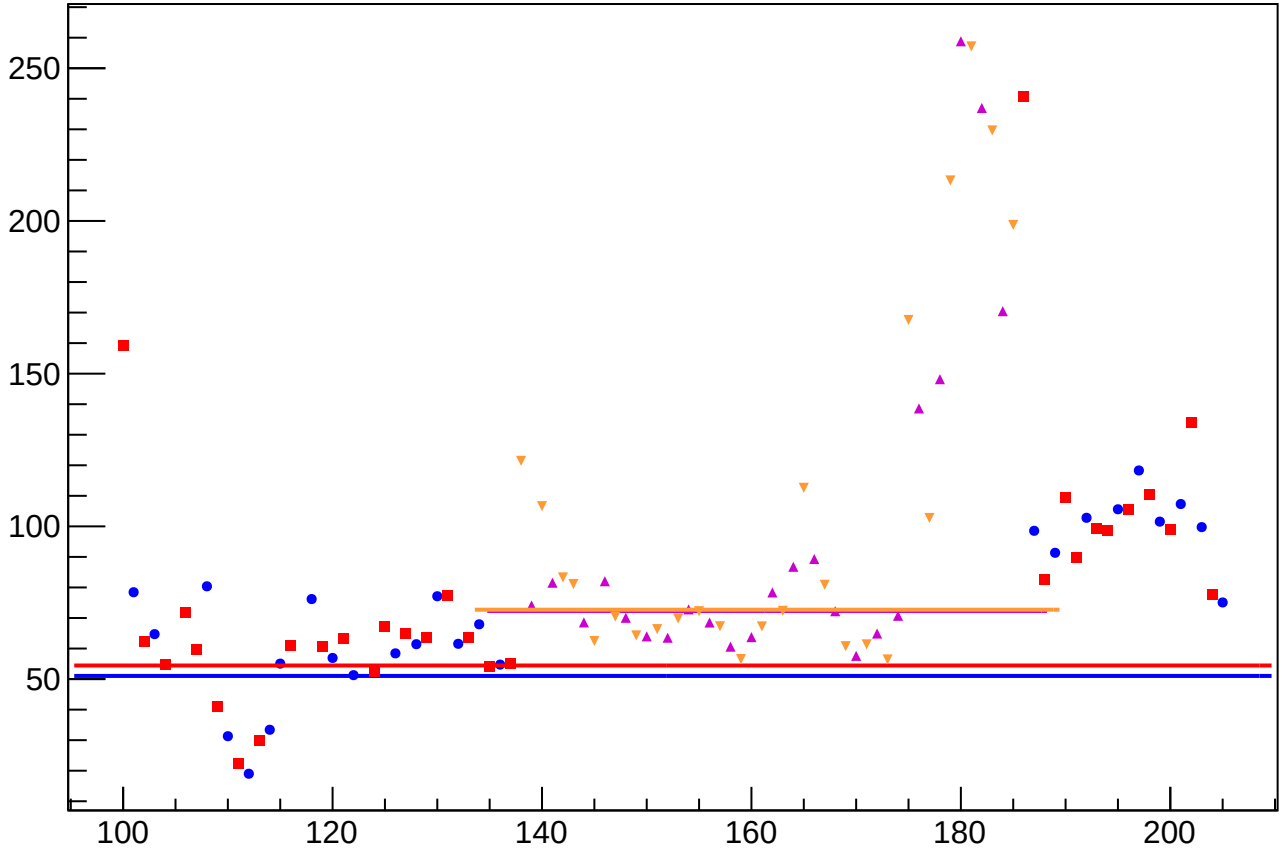
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.005+/-0.009 χ^2/NDF: 116.6/102

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

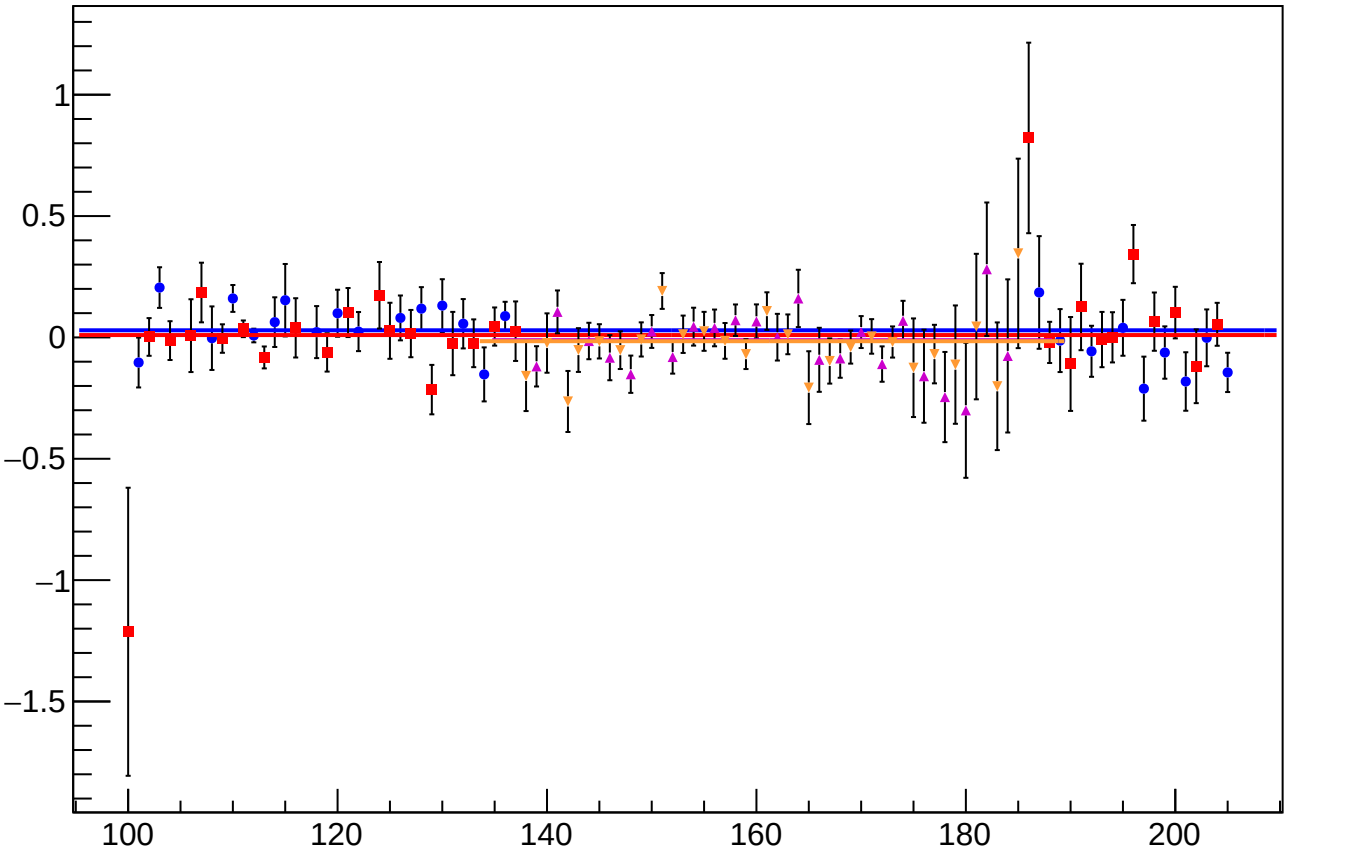
Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 60.706+/-0.008 χ^2/NDF: 12252490.4/49

All: 61.463+/-0.006 χ^2/NDF: 22312504.8/102

- sign 62.227+/-0.009 χ^2/NDF: 10044031.1/52



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

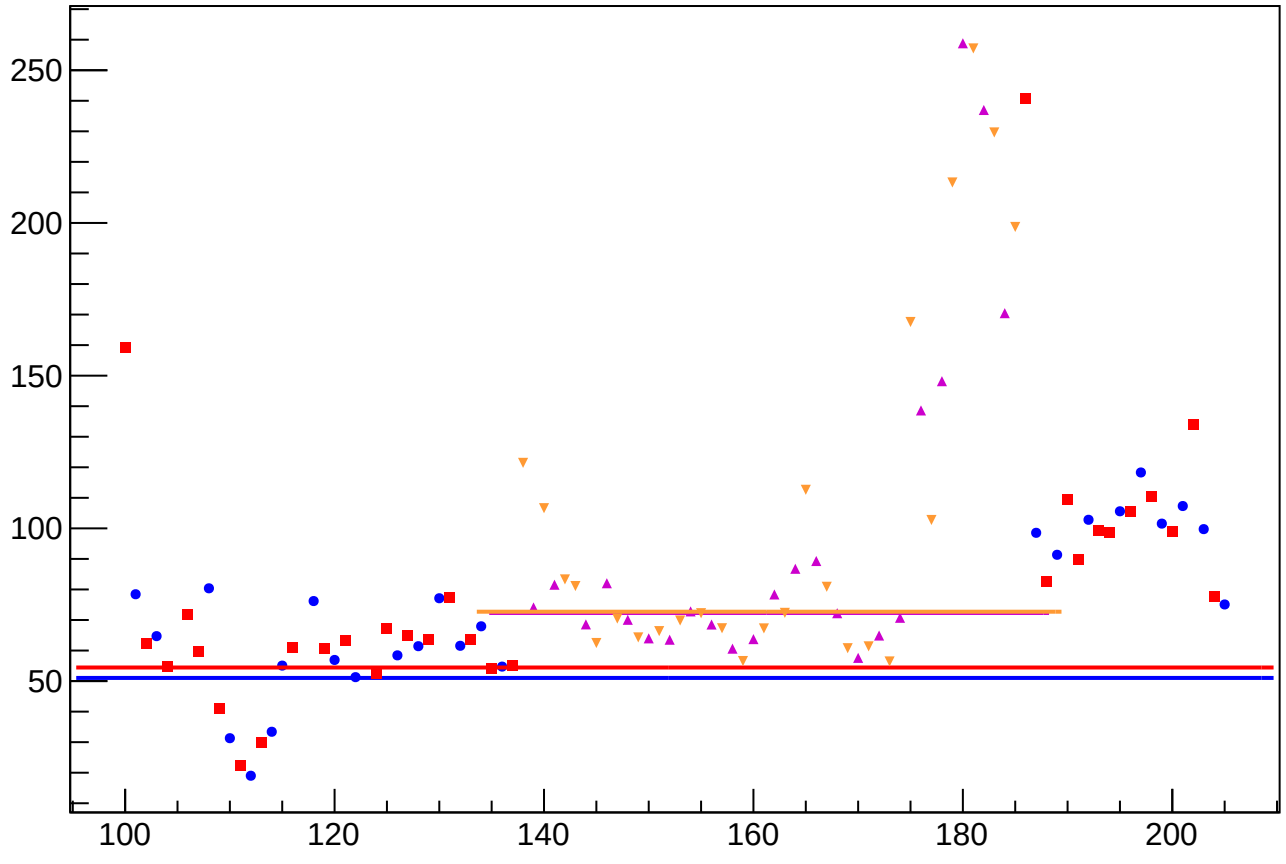
Right Out: 0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.005+/-0.009 χ^2/NDF: 116.6/102

- sign 0.001+/-0.012 χ^2/NDF: 58.6/52



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

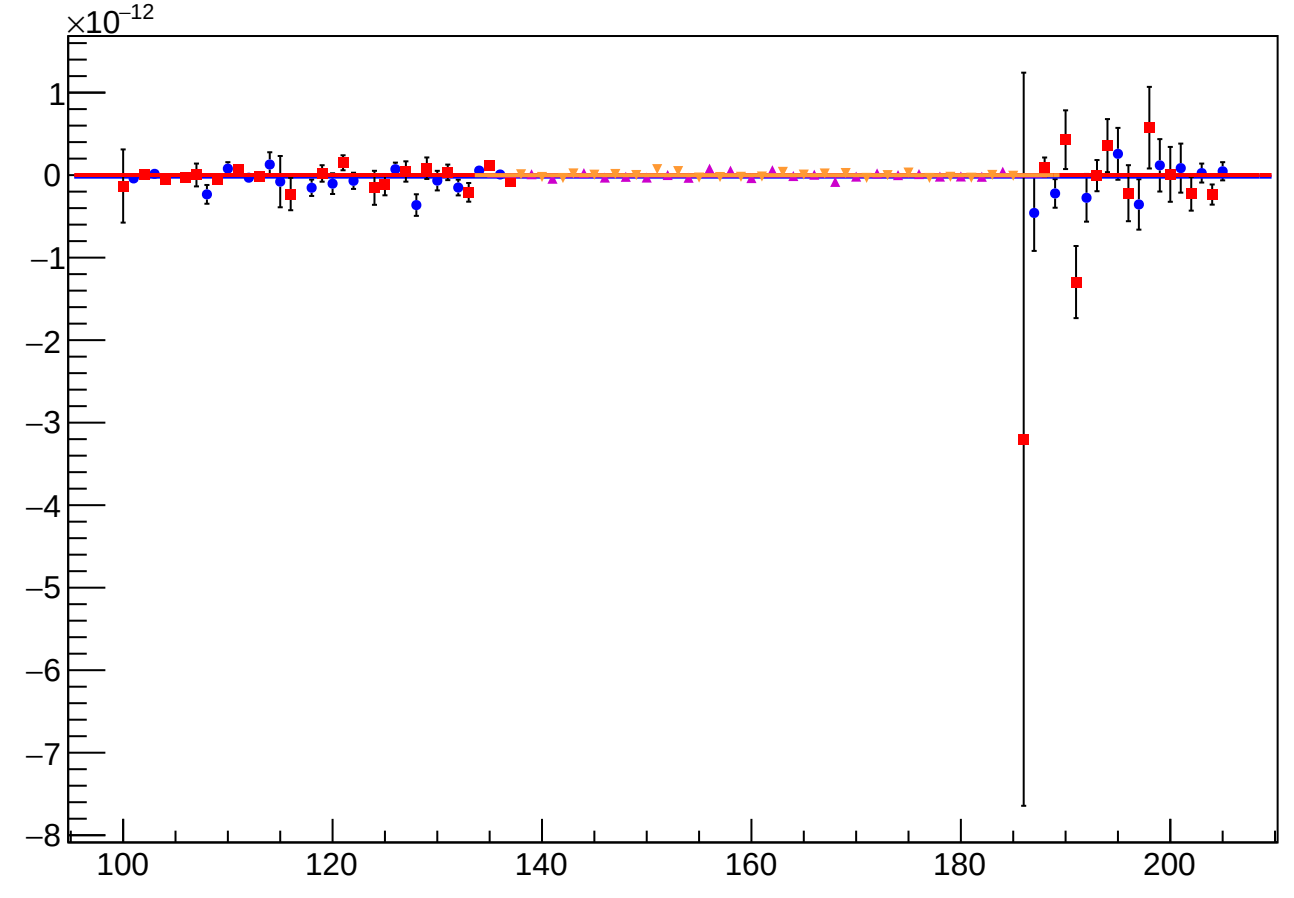
Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 60.706+/-0.008 χ^2/NDF: 12252490.4/49

All: 61.463+/-0.006 χ^2/NDF: 22312504.8/102

- sign 62.227+/-0.009 χ^2/NDF: 10044031.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

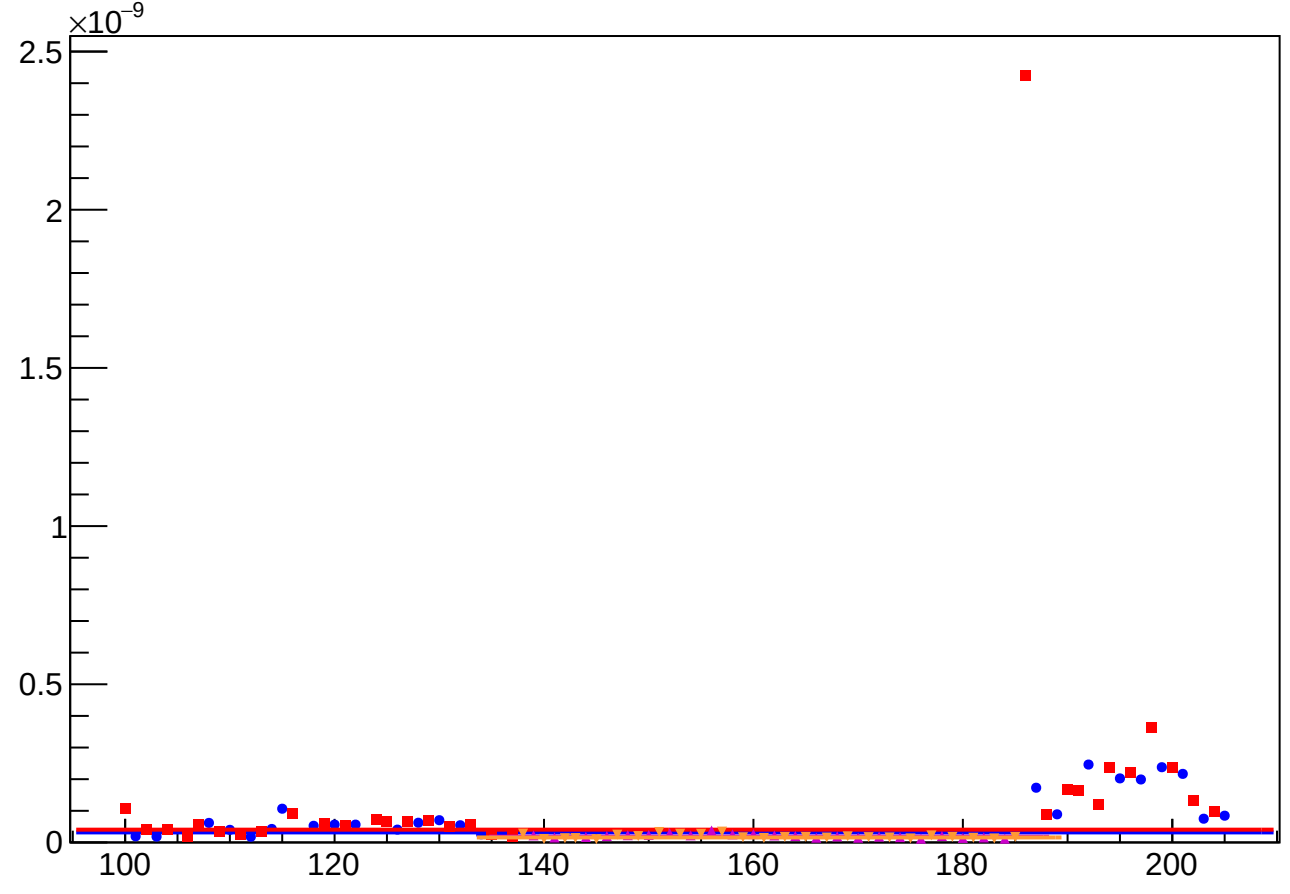
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/29

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/49

All: -0.000+/-0.000 χ^2/NDF: 139.6/102

- sign -0.000+/-0.000 χ^2/NDF: 81.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 7030814.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7281716.9/29

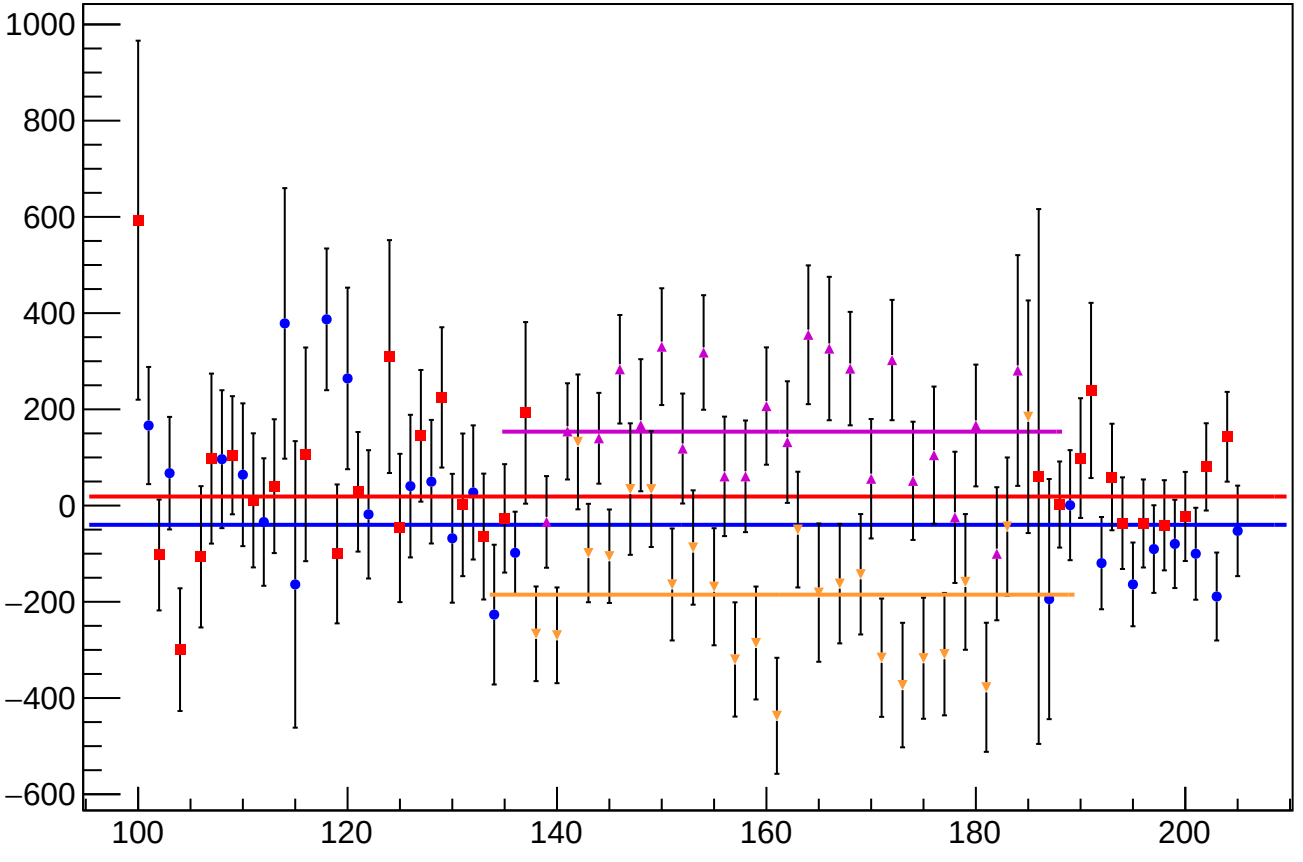
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

\+ sign 0.000+/-0.000 χ^2/NDF: 11680327.6/49

All: 0.000+/-0.000 χ^2/NDF: 24393386.4/102

\- sign 0.000+/-0.000 χ^2/NDF: 12333017.4/52

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.009+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 18.787+/-22.963 χ^2/NDF: 23.5/29

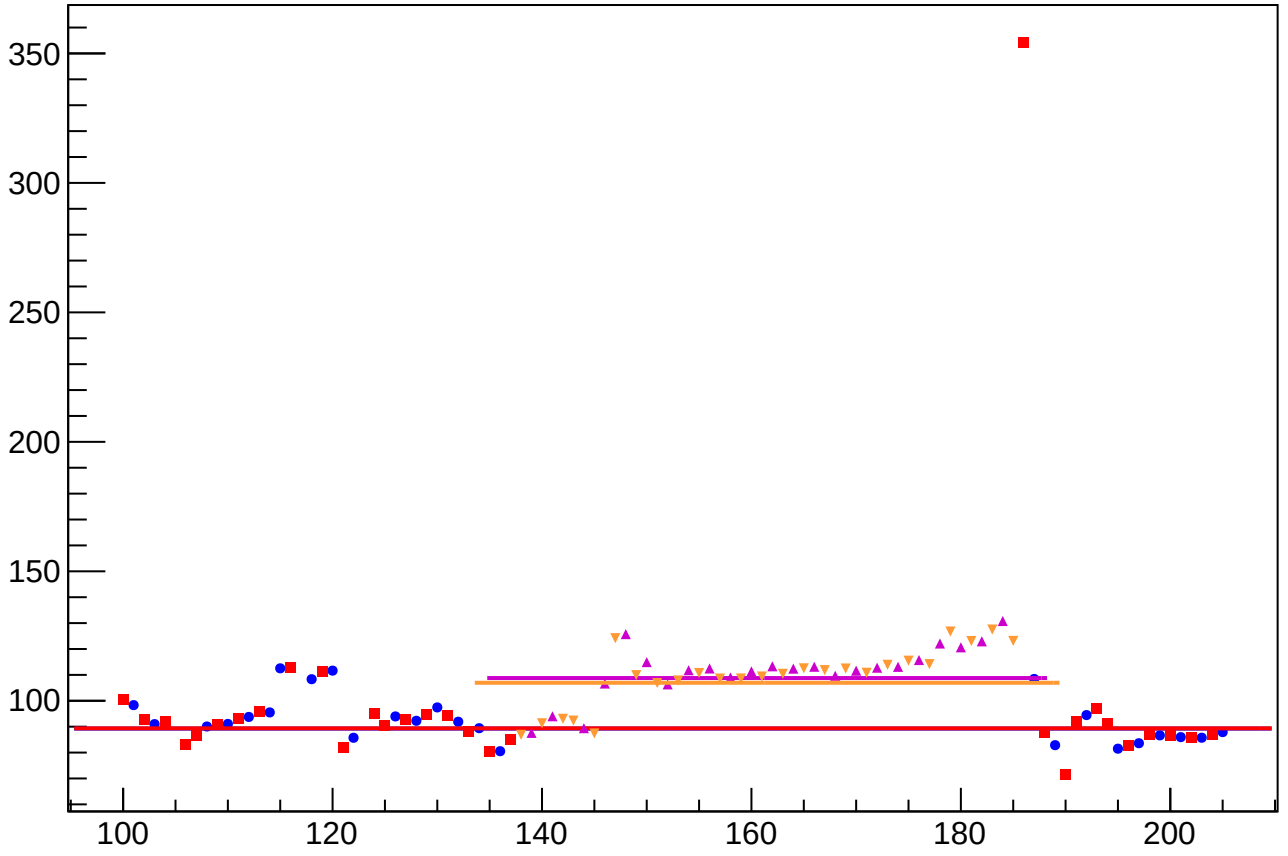
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -110.757+/-17.072 χ^2/NDF: 79.6/49

All: -15.862+/-12.073 χ^2/NDF: 203.8/102

- sign 79.069+/-17.075 χ^2/NDF: 62.4/52

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.359+/-0.016 χ^2/NDF: 636775.9/29

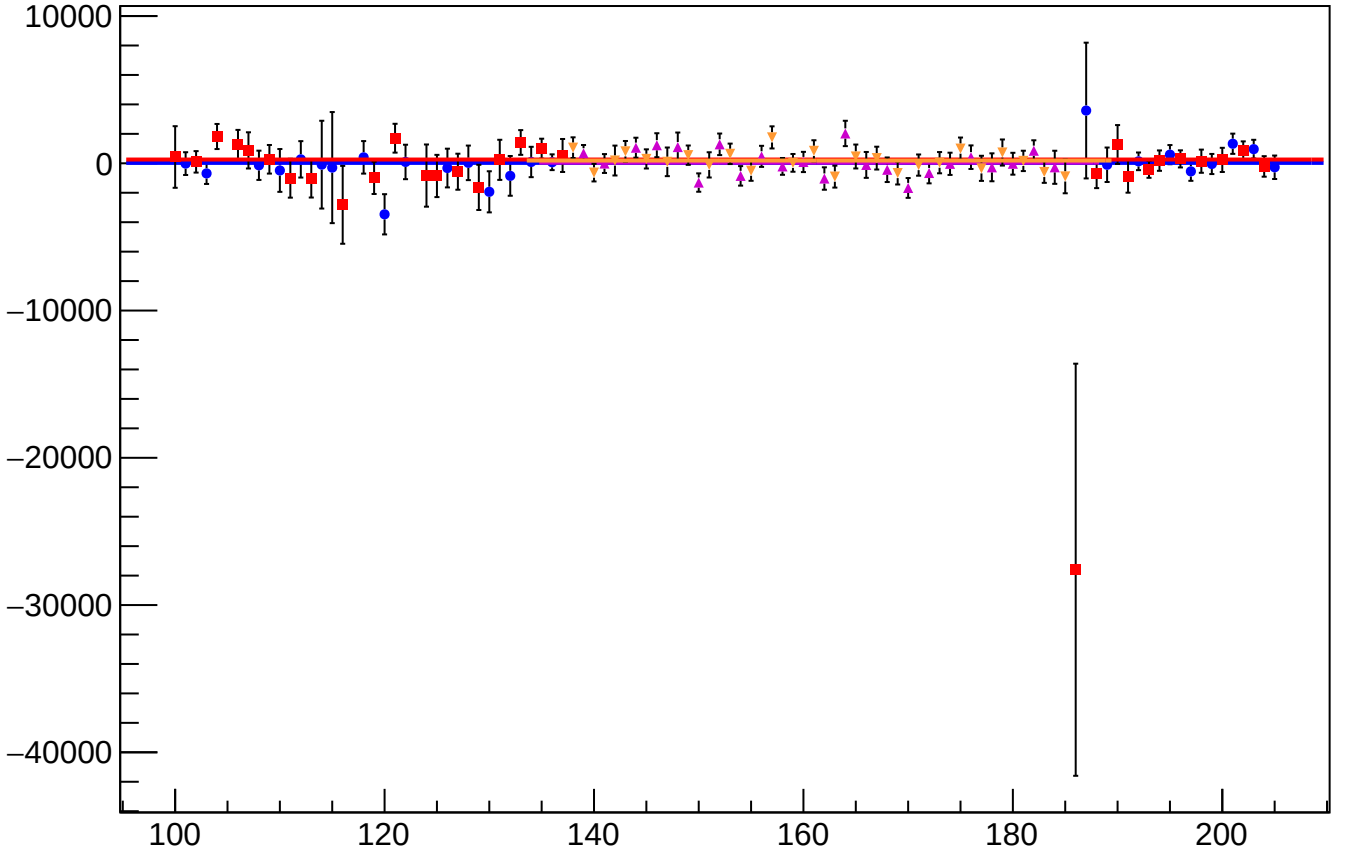
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 97.886+/-0.012 χ^2/NDF: 1178582.5/49

All: 97.964+/-0.009 χ^2/NDF: 2813467.6/102

- sign 98.042+/-0.012 χ^2/NDF: 1634801.6/52

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: 27.404+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 256.168+/-170.434 χ^2/NDF: 26.9/29

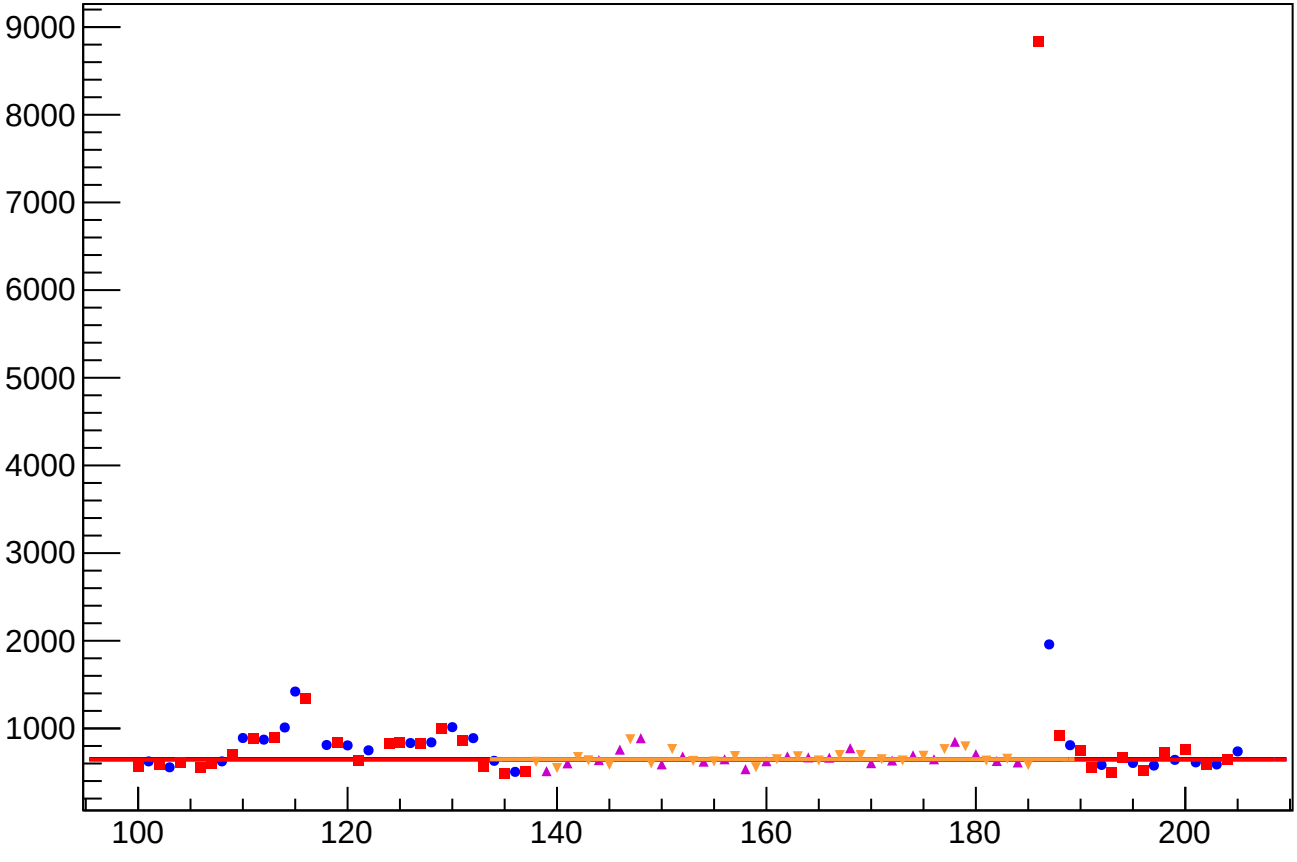
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 121.095+/-114.219 χ^2/NDF: 37.9/49

All: 129.410+/-80.497 χ^2/NDF: 99.5/102

- sign 137.616+/-113.464 χ^2/NDF: 61.5/52

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 651.110+/-0.126 χ^2/NDF: 1099119.4/24

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.138+/-0.121 χ^2/NDF: 1966417.8/29

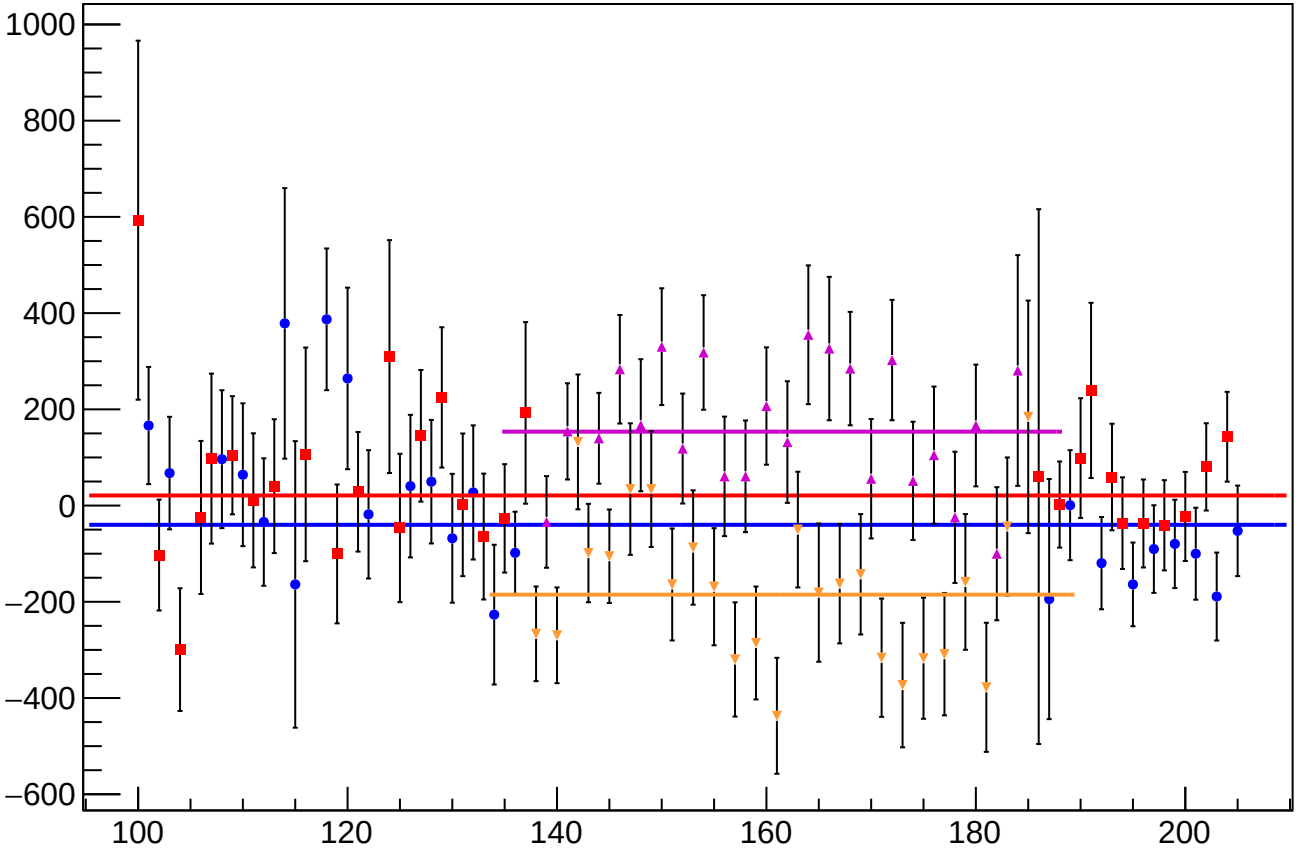
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 649.978+/-0.081 χ^2/NDF: 1517621.1/49

All: 646.797+/-0.057 χ^2/NDF: 4046274.6/102

- sign 643.658+/-0.080 χ^2/NDF: 2525571.2/52

cor_asym_sam_15_dd_mean vs Slug



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 20.954+/-23.005 χ^2/NDF: 22.8/29

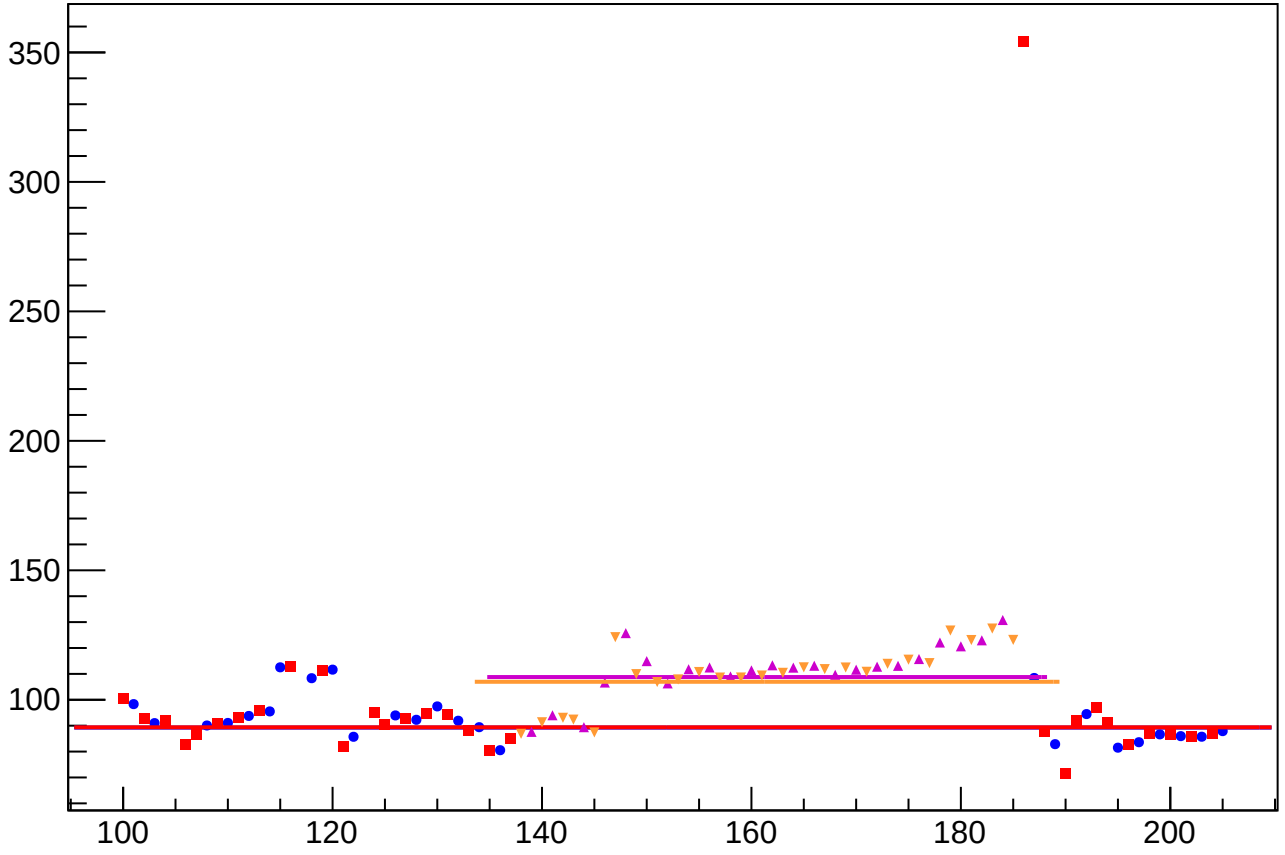
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.755+/-17.072 χ^2/NDF: 79.6/49

All: -15.297+/-12.079 χ^2/NDF: 203.5/102

- sign 80.388+/-17.092 χ^2/NDF: 61.3/52

cor_asym_sam_15_dd_rms vs Slug



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

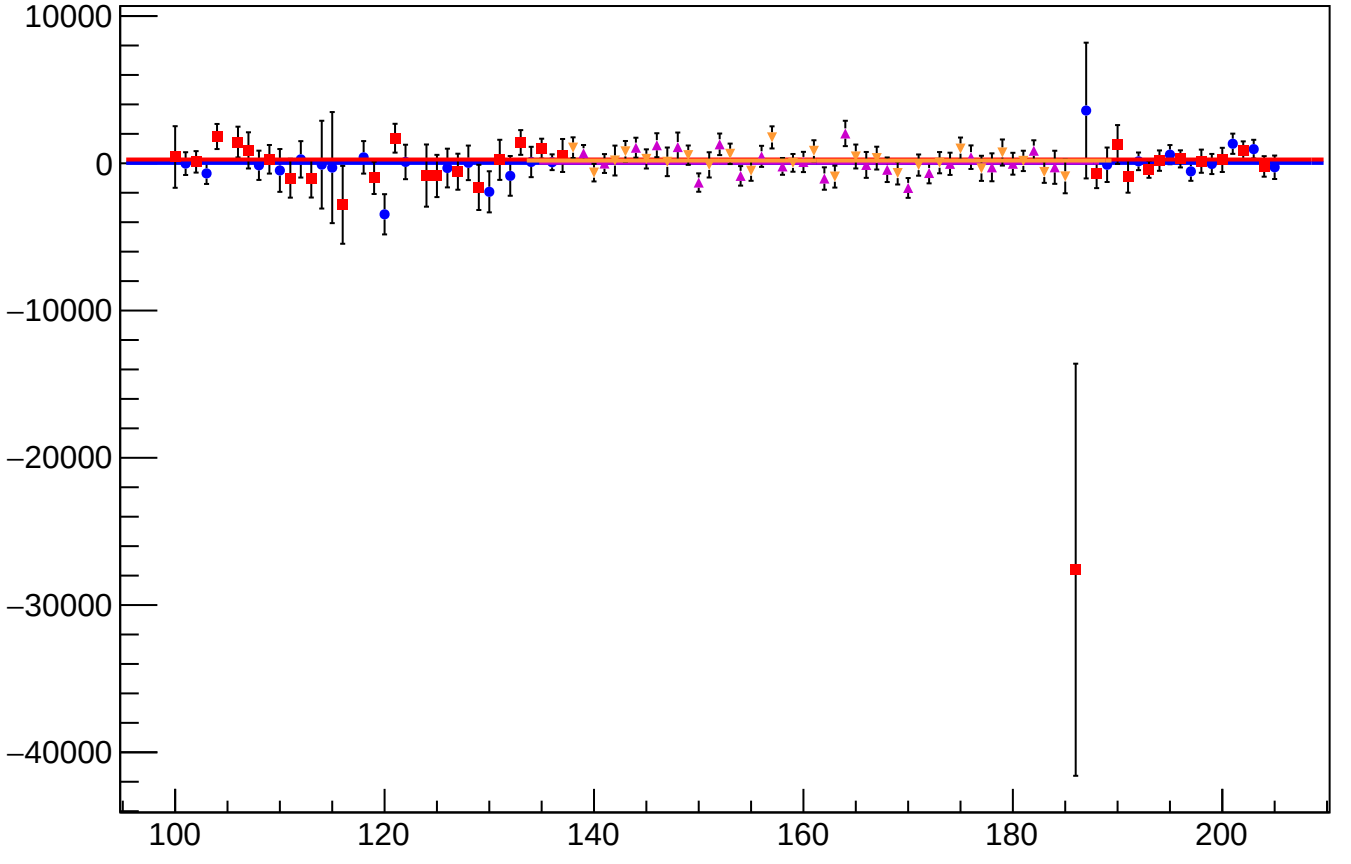
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 97.886+/-0.012 χ^2/NDF: 1178582.5/49

All: 97.975+/-0.009 χ^2/NDF: 2811771.8/102

\- sign 98.065+/-0.012 χ^2/NDF: 1633078.9/52

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 257.304+/-170.700 χ^2/NDF: 27.1/29

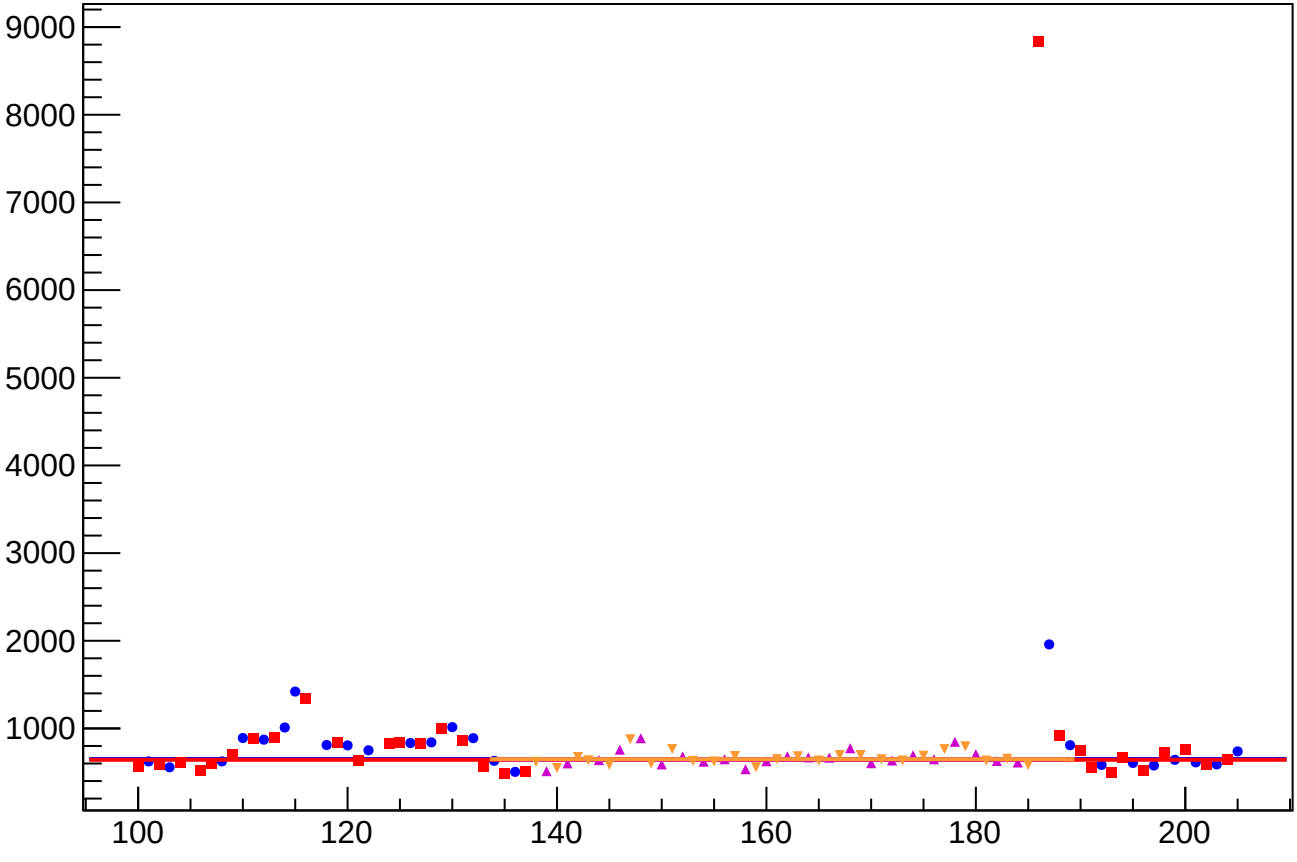
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 121.092+/-114.219 χ^2/NDF: 37.9/49

All: 129.574+/-80.525 χ^2/NDF: 99.7/102

- sign 137.956+/-113.543 χ^2/NDF: 61.7/52

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

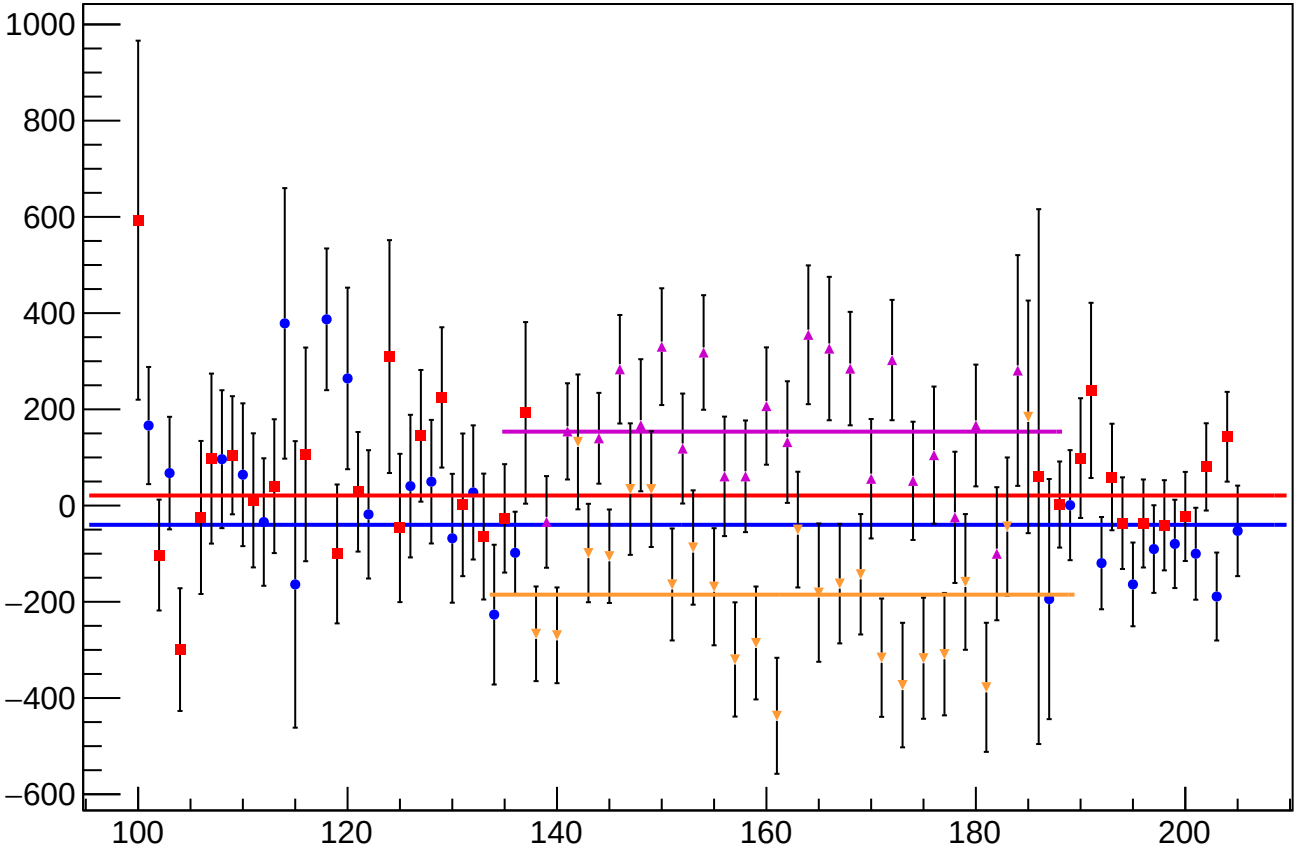
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 649.978+/-0.081 χ^2/NDF: 1517622.3/49

All: 646.698+/-0.057 χ^2/NDF: 4055594.0/102

- sign 643.456+/-0.080 χ^2/NDF: 2534691.6/52

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 20.954+/-23.005 χ^2/NDF: 22.8/29

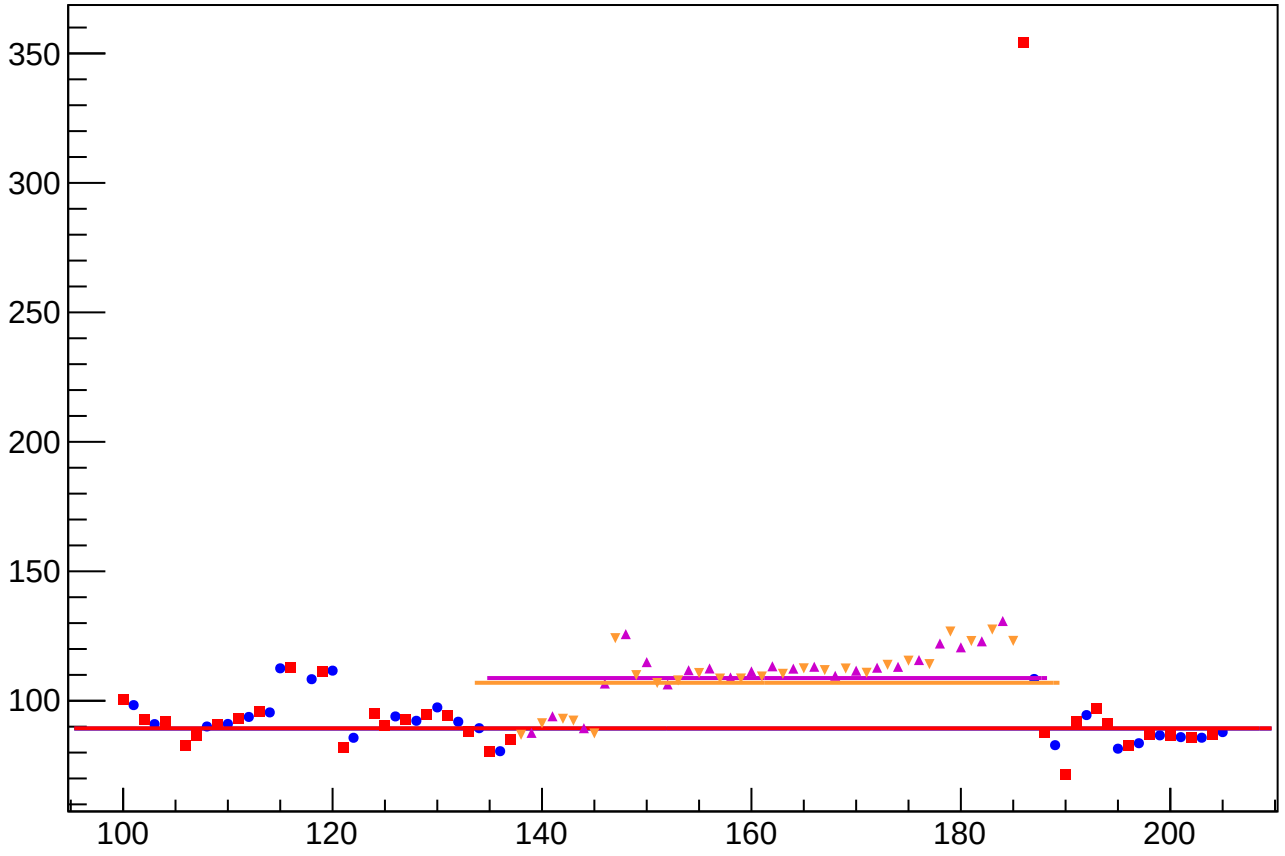
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.755+/-17.072 χ^2/NDF: 79.6/49

All: -15.297+/-12.079 χ^2/NDF: 203.5/102

- sign 80.388+/-17.092 χ^2/NDF: 61.3/52

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

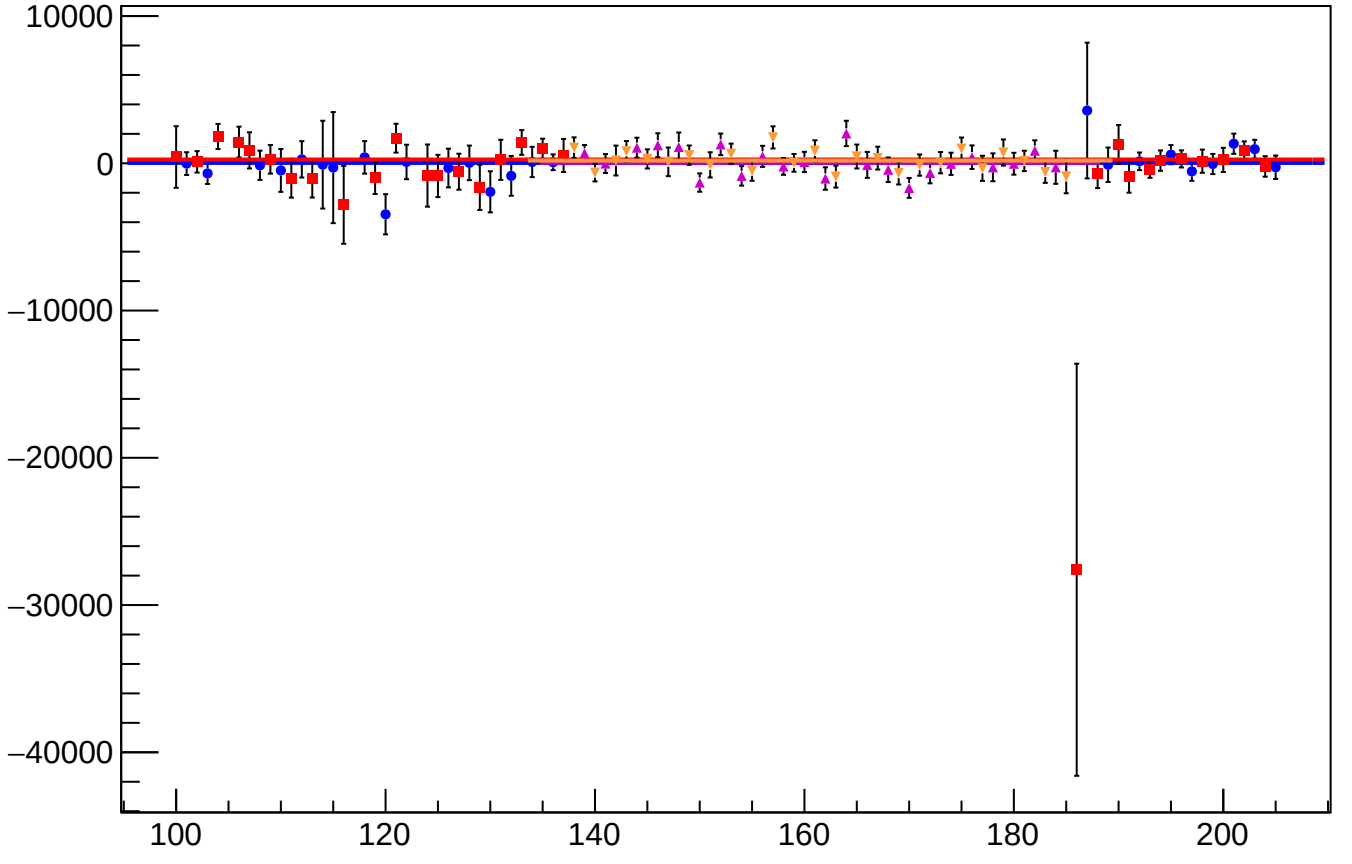
Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 97.886+/-0.012 χ^2/NDF: 1178582.5/49

All: 97.975+/-0.009 χ^2/NDF: 2811771.8/102

- sign 98.065+/-0.012 χ^2/NDF: 1633078.9/52



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 257.304+/-170.700 χ^2/NDF: 27.1/29

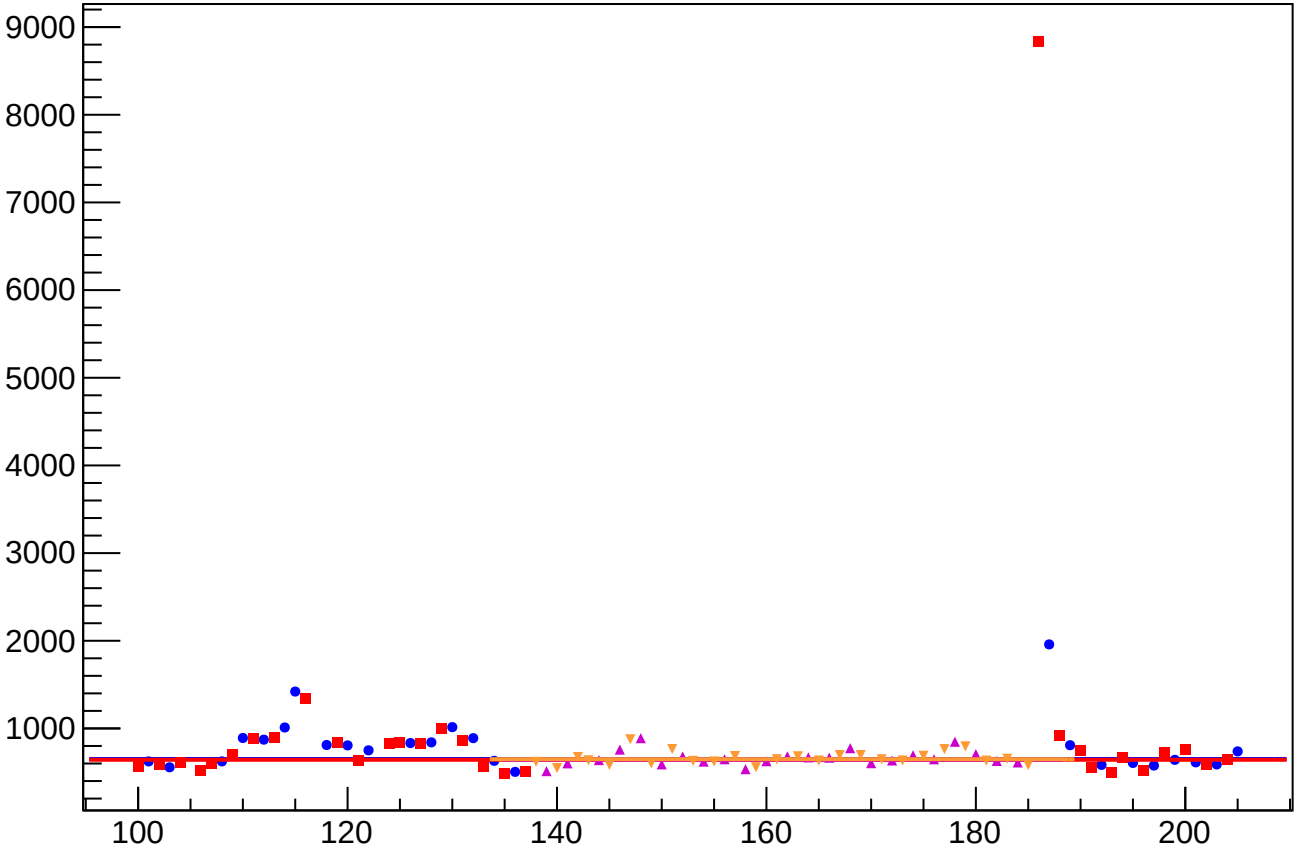
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 121.092+/-114.219 χ^2/NDF: 37.9/49

All: 129.574+/-80.525 χ^2/NDF: 99.7/102

- sign 137.956+/-113.543 χ^2/NDF: 61.7/52

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

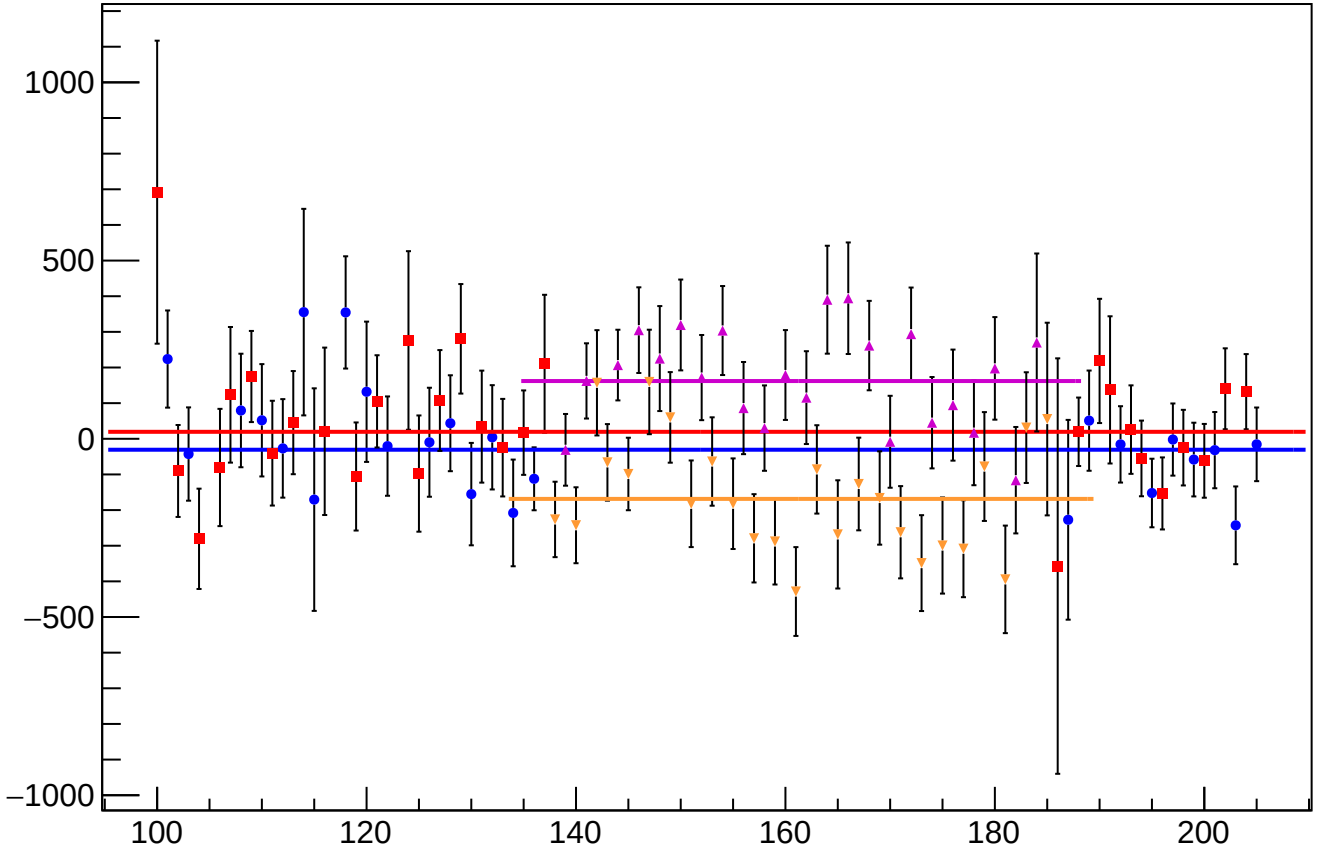
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 649.978+/-0.081 χ^2/NDF: 1517622.3/49

All: 646.698+/-0.057 χ^2/NDF: 4055594.0/102

- sign 643.456+/-0.080 χ^2/NDF: 2534691.6/52

dit_asym_sam_15_dd_mean vs Slug



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 19.585+/-25.285 χ^2/NDF: 25.7/29

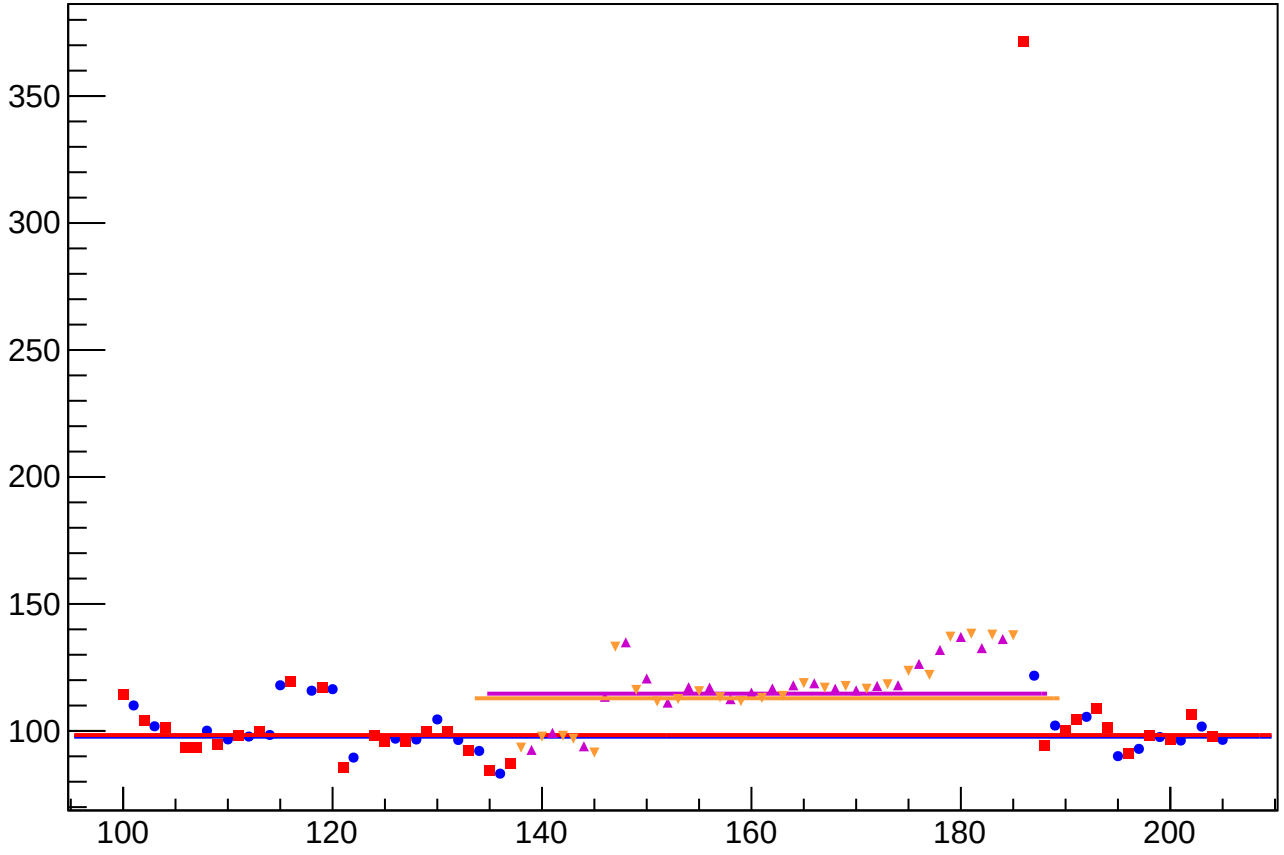
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -100.472+/-18.364 χ^2/NDF: 69.2/49

All: -7.477+/-13.012 χ^2/NDF: 184.8/102

- sign 86.278+/-18.439 χ^2/NDF: 64.1/52

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.737+/-0.018 χ^2/NDF: 188500.1/24

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.374+/-0.018 χ^2/NDF: 599572.4/29

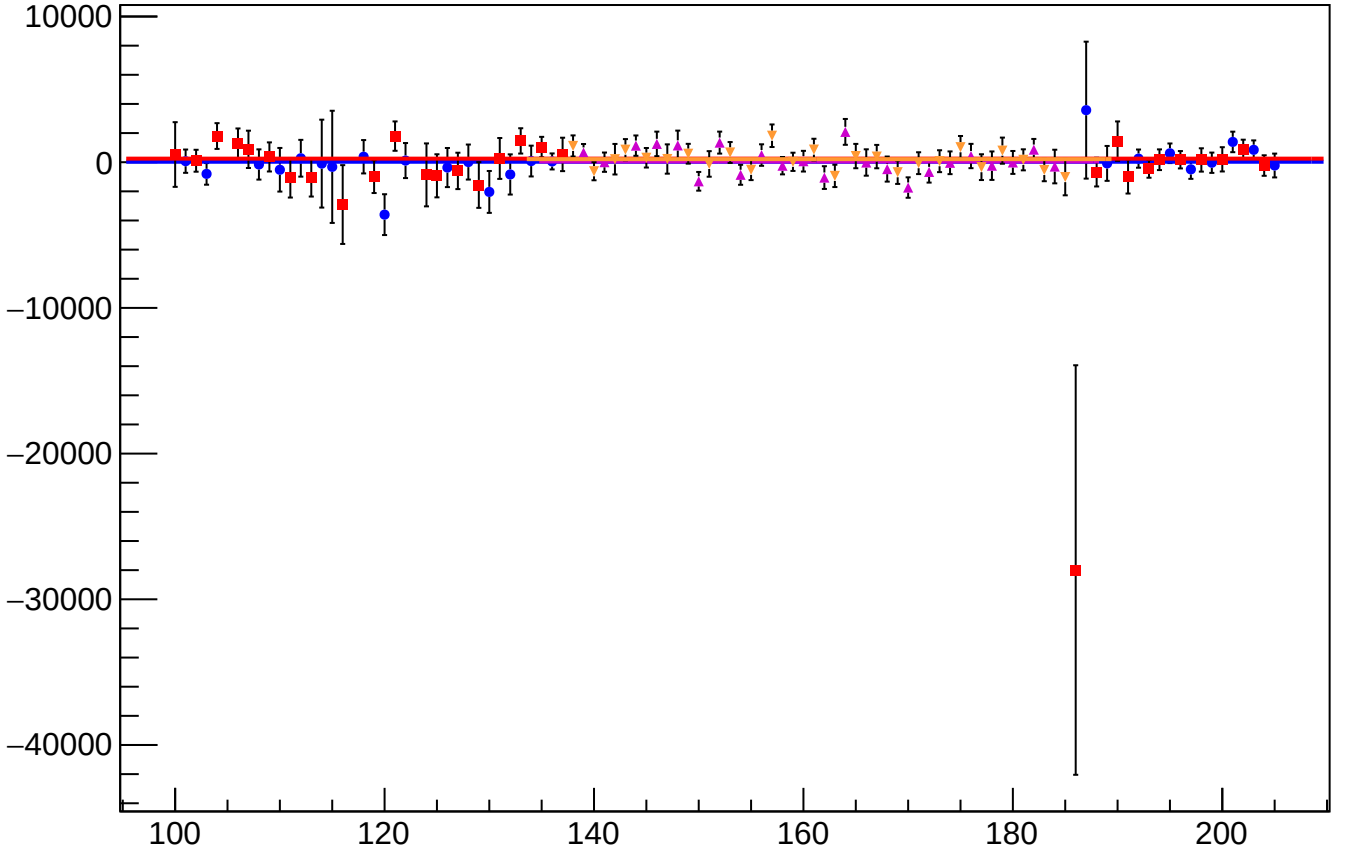
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 105.382+/-0.013 χ^2/NDF: 1039329.8/49

All: 105.693+/-0.009 χ^2/NDF: 2439284.9/102

- sign 106.007+/-0.013 χ^2/NDF: 1398801.8/52

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: 31.839+/-183.204 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 245.446+/-175.889 χ^2/NDF: 26.8/29

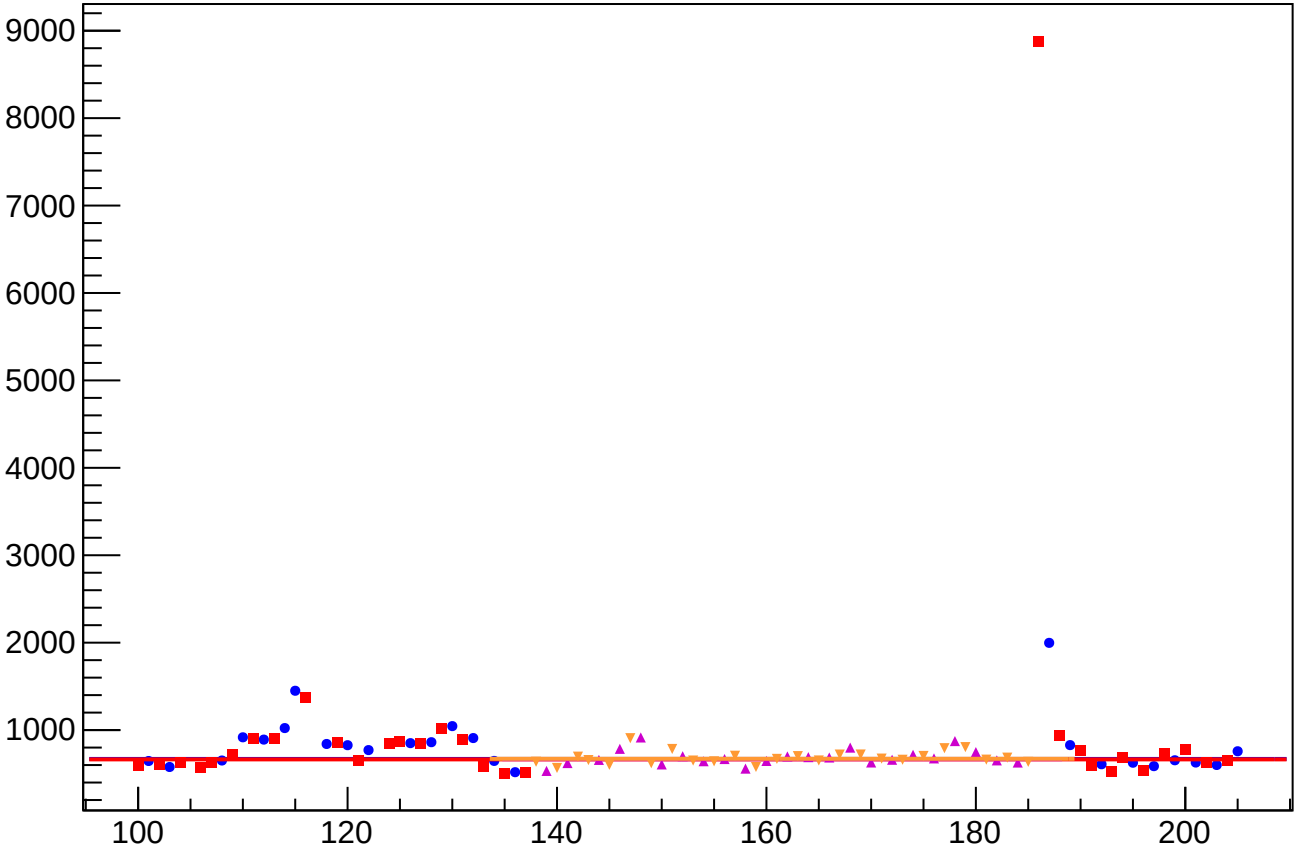
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 135.911+/-117.851 χ^2/NDF: 37.8/49

All: 136.515+/-83.147 χ^2/NDF: 98.6/102

- sign 137.114+/-117.328 χ^2/NDF: 60.8/52

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.7/24

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 664.869+/-0.124 χ^2/NDF: 1888543.2/29

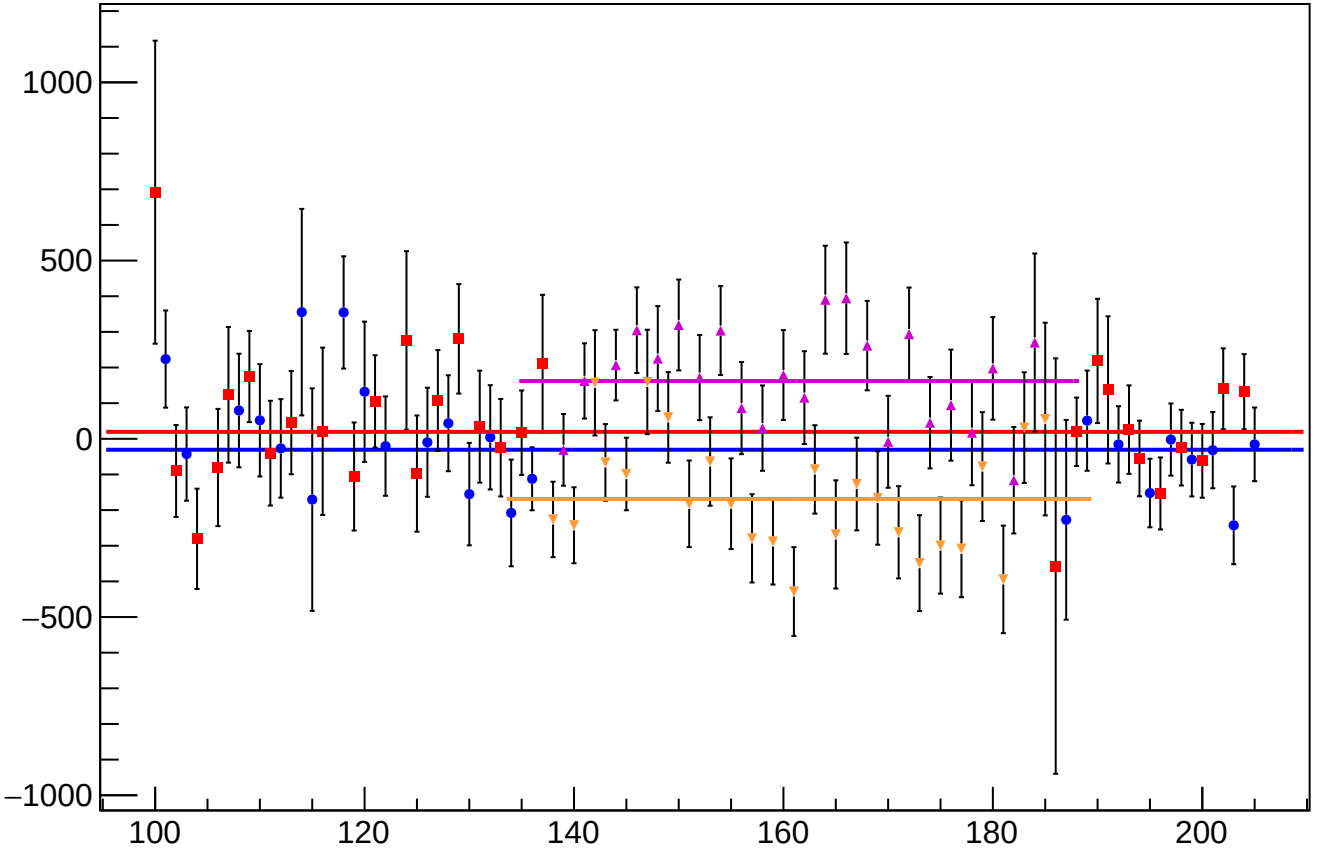
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 671.032+/-0.083 χ^2/NDF: 1485521.5/49

All: 668.626+/-0.059 χ^2/NDF: 3922848.0/102

- sign 666.241+/-0.083 χ^2/NDF: 2435666.2/52

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 19.586+/-25.285 χ^2/NDF: 25.7/29

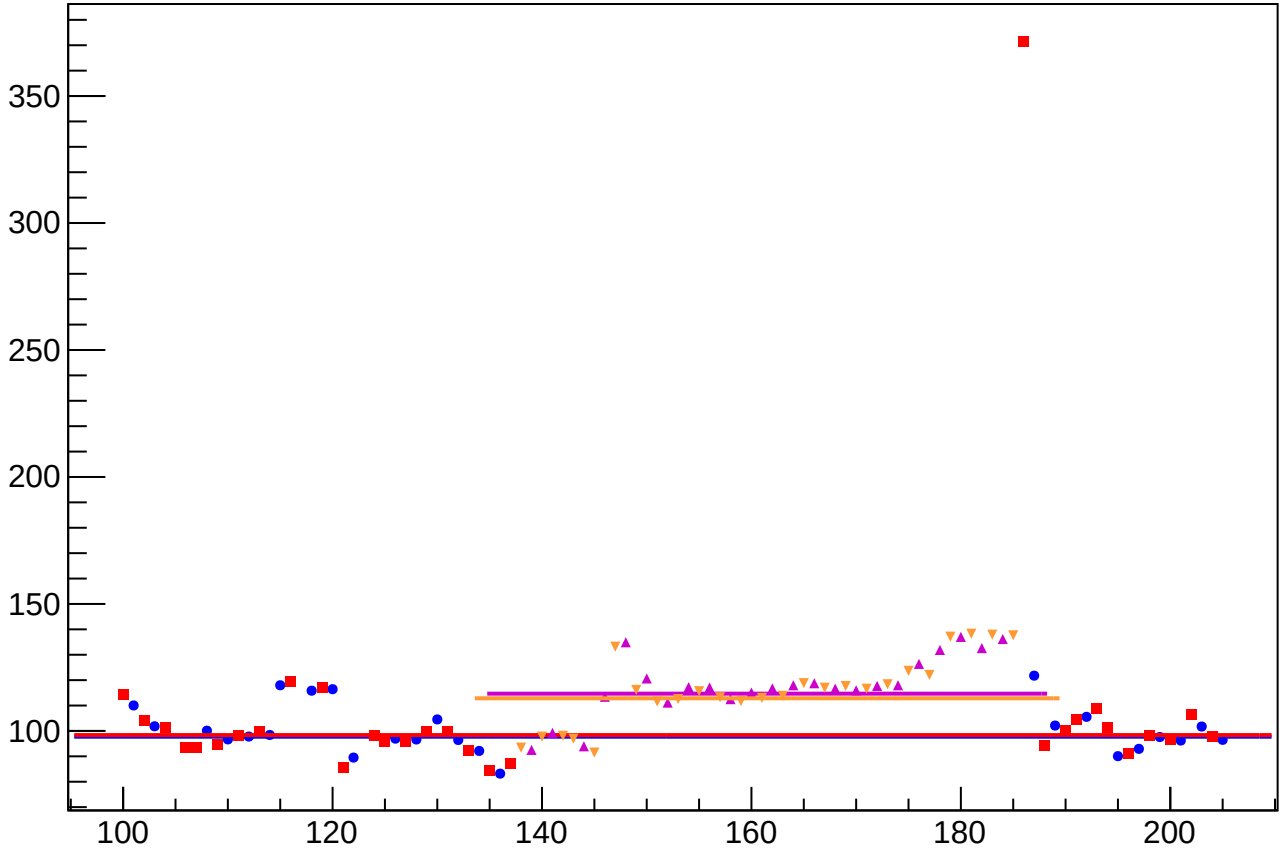
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -100.472+/-18.364 χ^2/NDF: 69.2/49

All: -7.476+/-13.012 χ^2/NDF: 184.8/102

- sign 86.278+/-18.439 χ^2/NDF: 64.1/52

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.737+/-0.018 χ^2/NDF: 188503.6/24

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

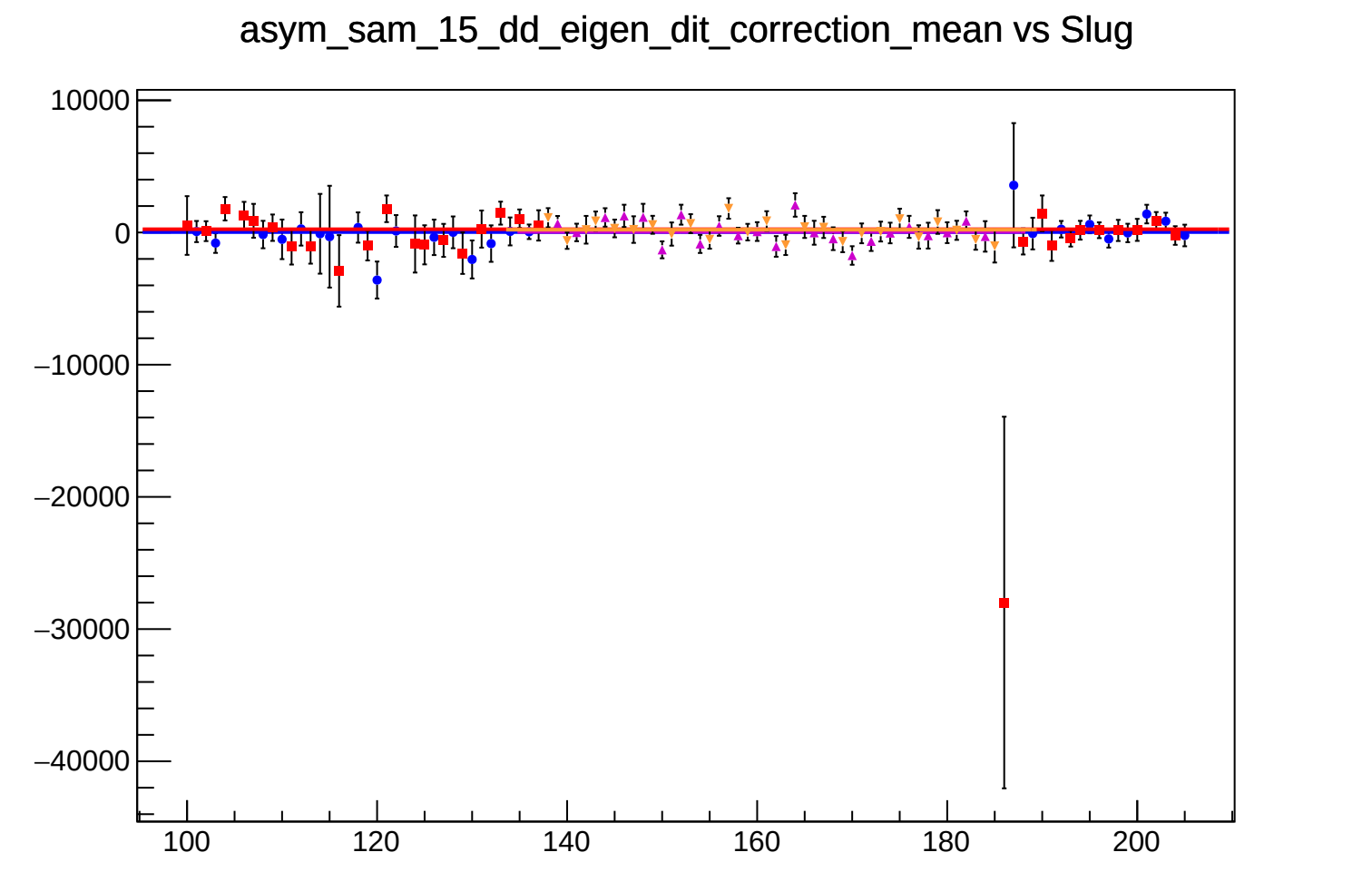
Right Out: 98.374+/-0.018 χ^2/NDF: 599572.2/29

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 105.382+/-0.013 χ^2/NDF: 1039334.7/49

All: 105.693+/-0.009 χ^2/NDF: 2439296.0/102

- sign 106.007+/-0.013 χ^2/NDF: 1398807.8/52



Right In: 31.839+/-183.203 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 245.447+/-175.889 χ^2/NDF: 26.8/29

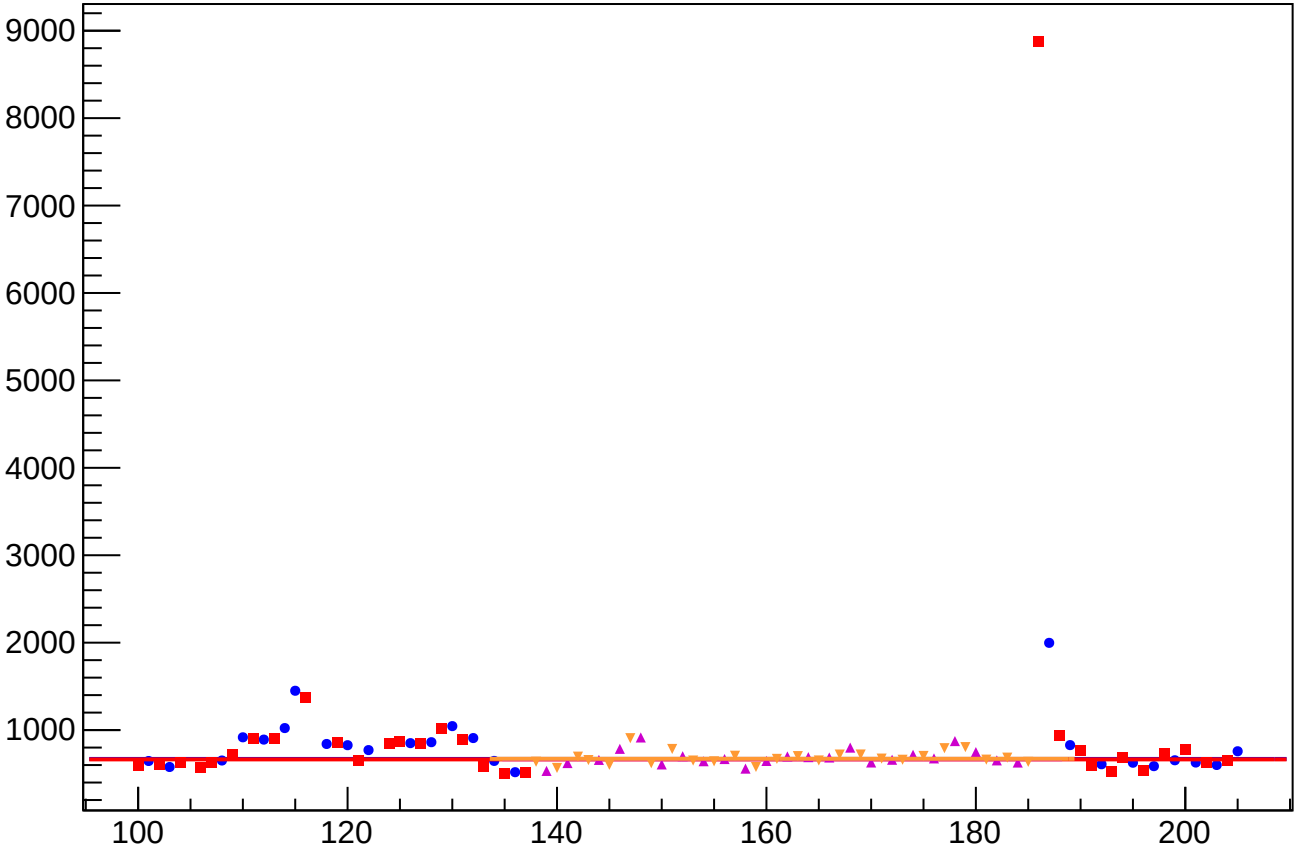
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 135.911+/-117.851 χ^2/NDF: 37.8/49

All: 136.515+/-83.148 χ^2/NDF: 98.6/102

- sign 137.115+/-117.328 χ^2/NDF: 60.8/52

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.8/24

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 664.868+/-0.124 χ^2/NDF: 1888547.8/29

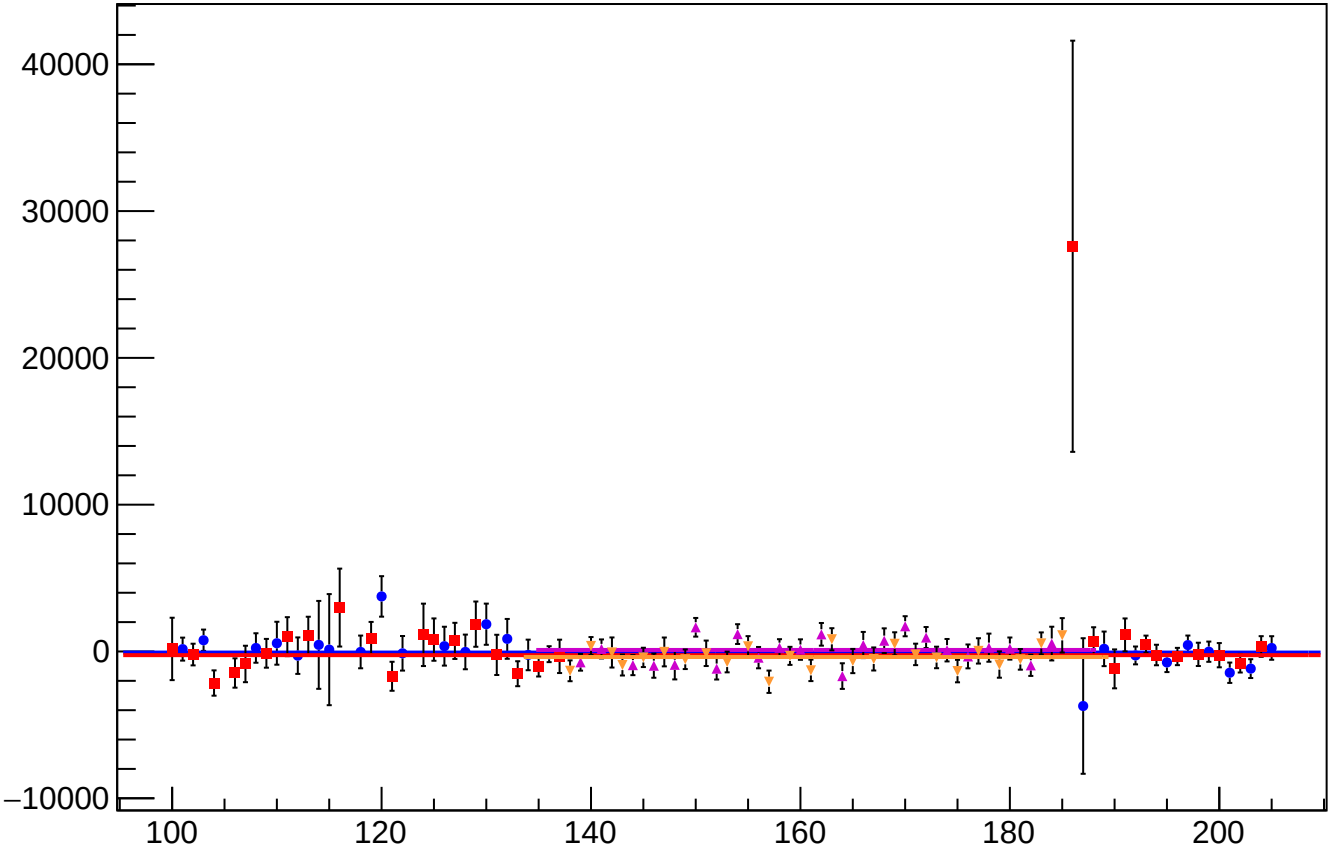
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 671.032+/-0.083 χ^2/NDF: 1485522.1/49

All: 668.626+/-0.059 χ^2/NDF: 3922855.6/102

- sign 666.241+/-0.083 χ^2/NDF: 2435673.2/52

asym_sam_15_dd_mean vs Slug



Right In: -74.200+/-180.011 χ^2/NDF: 21.4/24

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -250.434+/-172.299 χ^2/NDF: 30.2/29

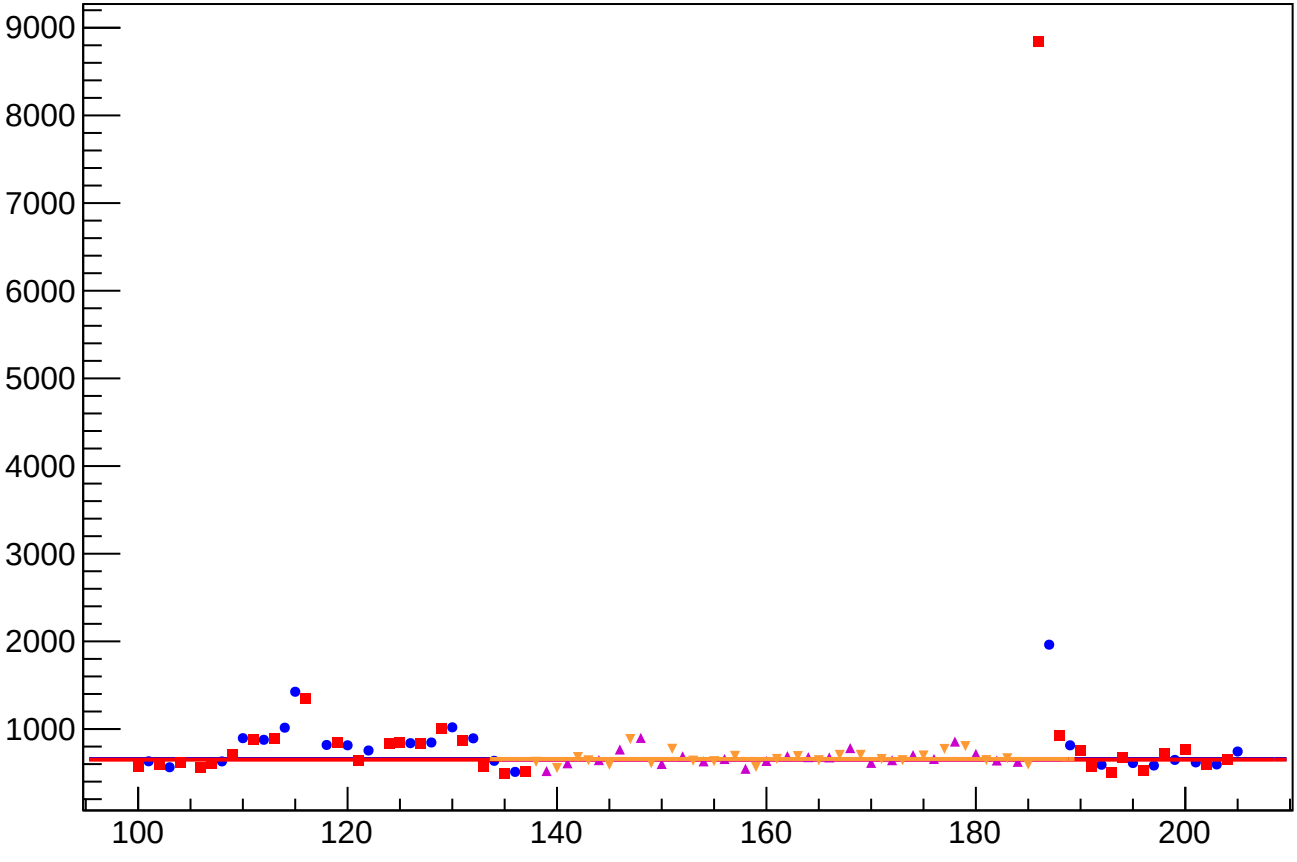
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -252.113+/-115.666 χ^2/NDF: 44.5/49

All: -152.530+/-81.537 χ^2/NDF: 114.0/102

- sign -54.160+/-114.960 χ^2/NDF: 68.1/52

asym_sam_15_dd_rms vs Slug



Right In: 658.244+/-0.127 χ^2/NDF: 1074936.1/24

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

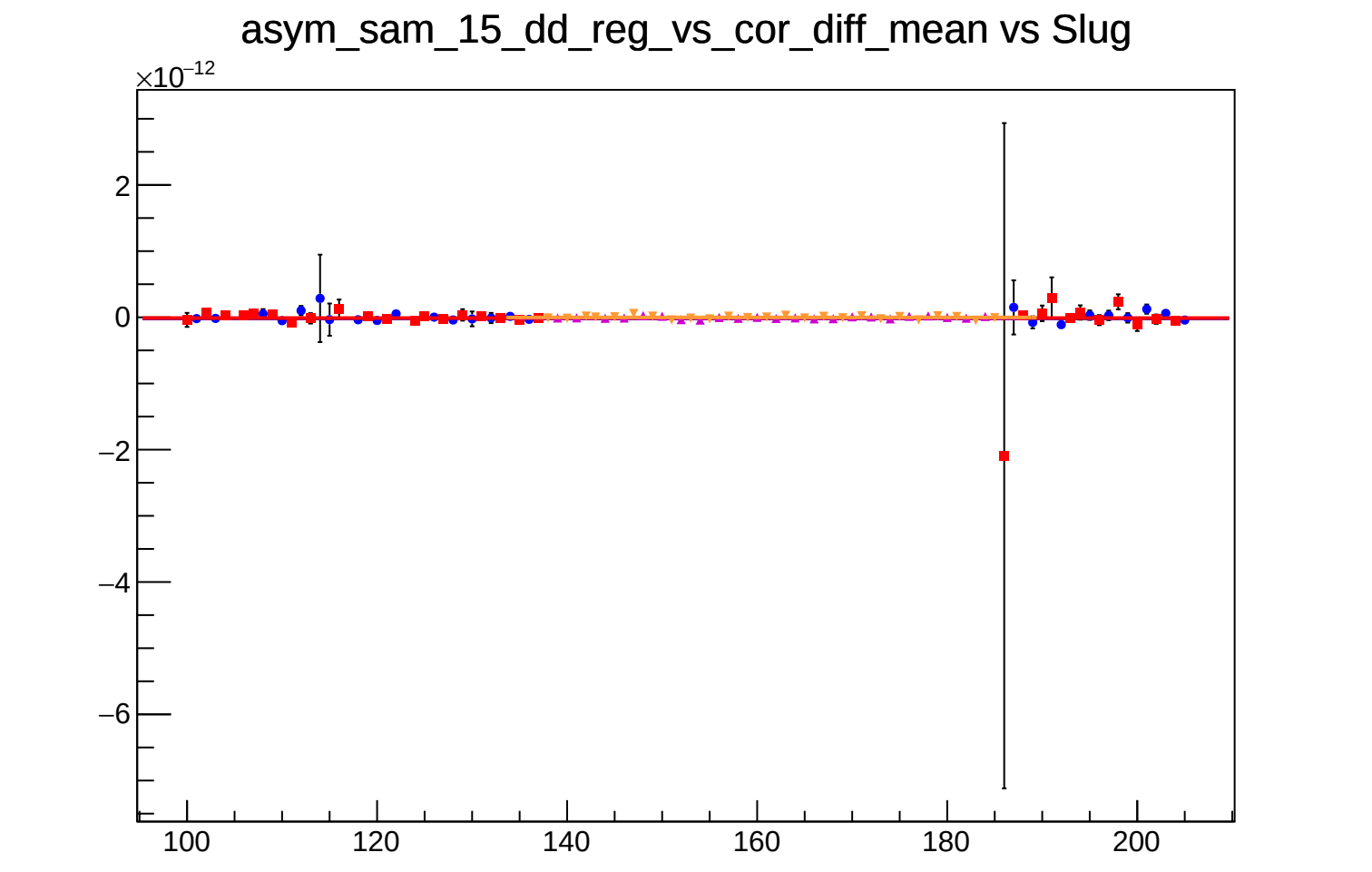
Right Out: 650.776+/-0.122 χ^2/NDF: 1927225.4/29

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 658.496+/-0.082 χ^2/NDF: 1484627.1/49

All: 655.498+/-0.058 χ^2/NDF: 3956977.2/102

- sign 652.537+/-0.081 χ^2/NDF: 2469680.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

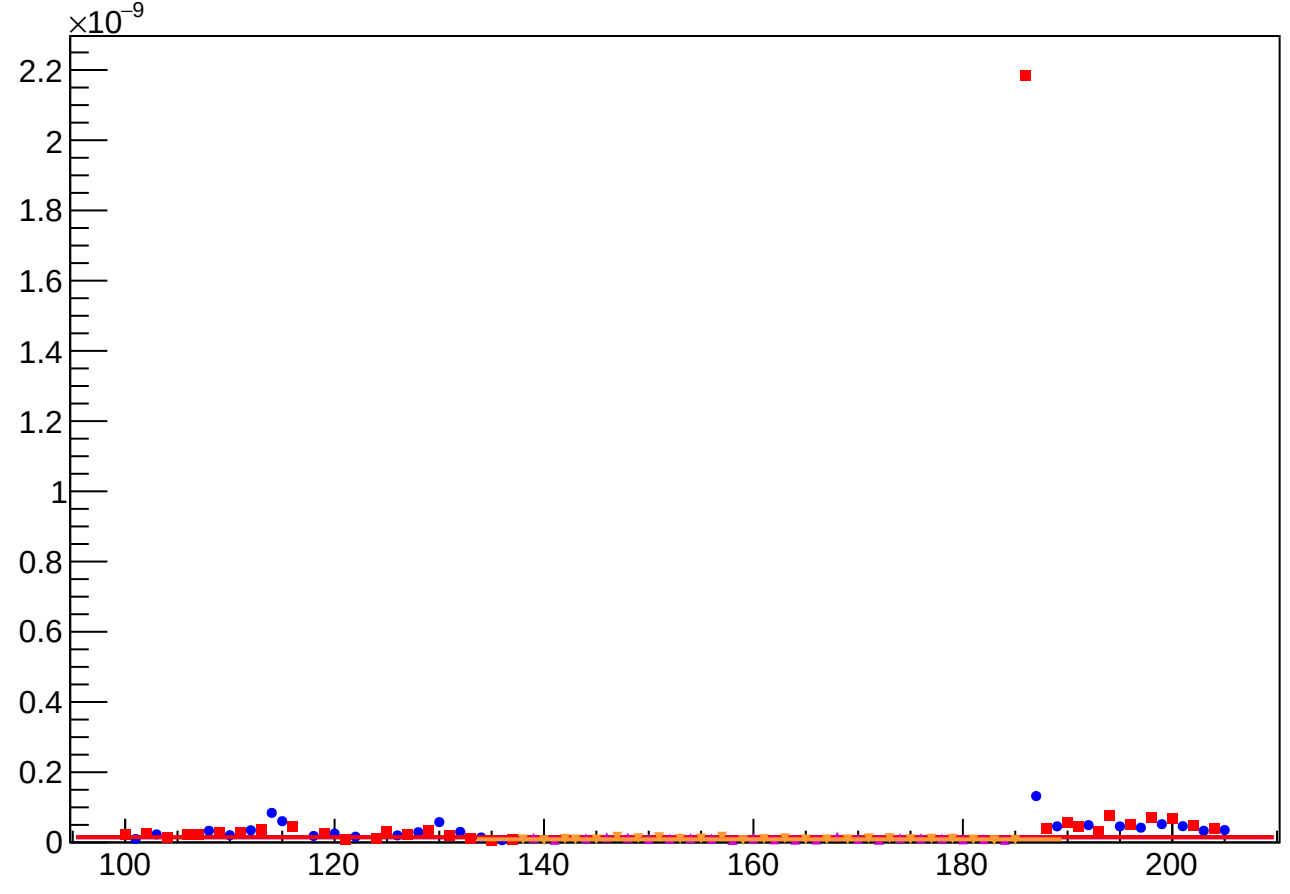
Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/29

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/49

All: -0.000+/-0.000 χ^2/NDF: 98.1/102

- sign -0.000+/-0.000 χ^2/NDF: 42.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 5462681.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6656111.7/29

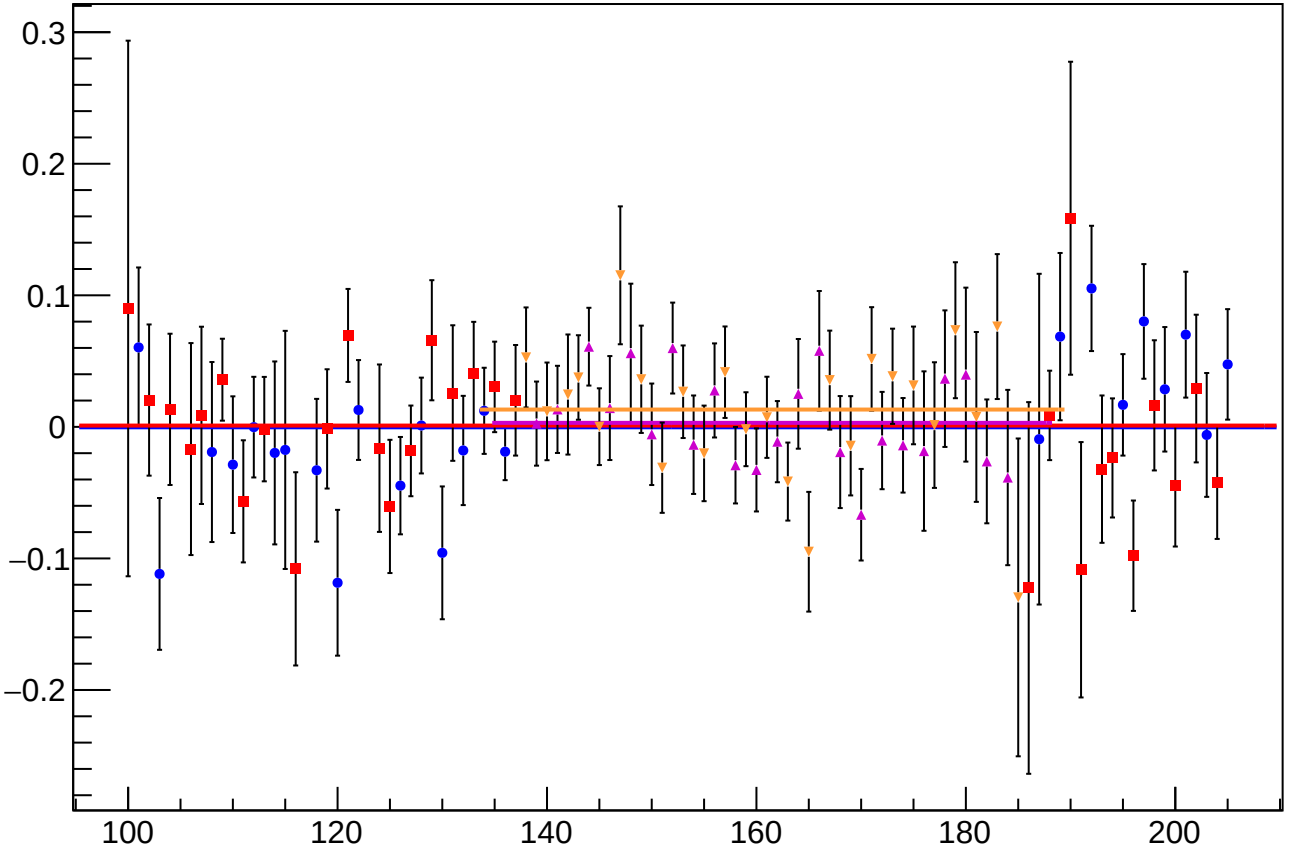
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7508964.3/49

All: 0.000+/-0.000 χ^2/NDF: 15651715.2/102

- sign 0.000+/-0.000 χ^2/NDF: 7994979.5/52

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

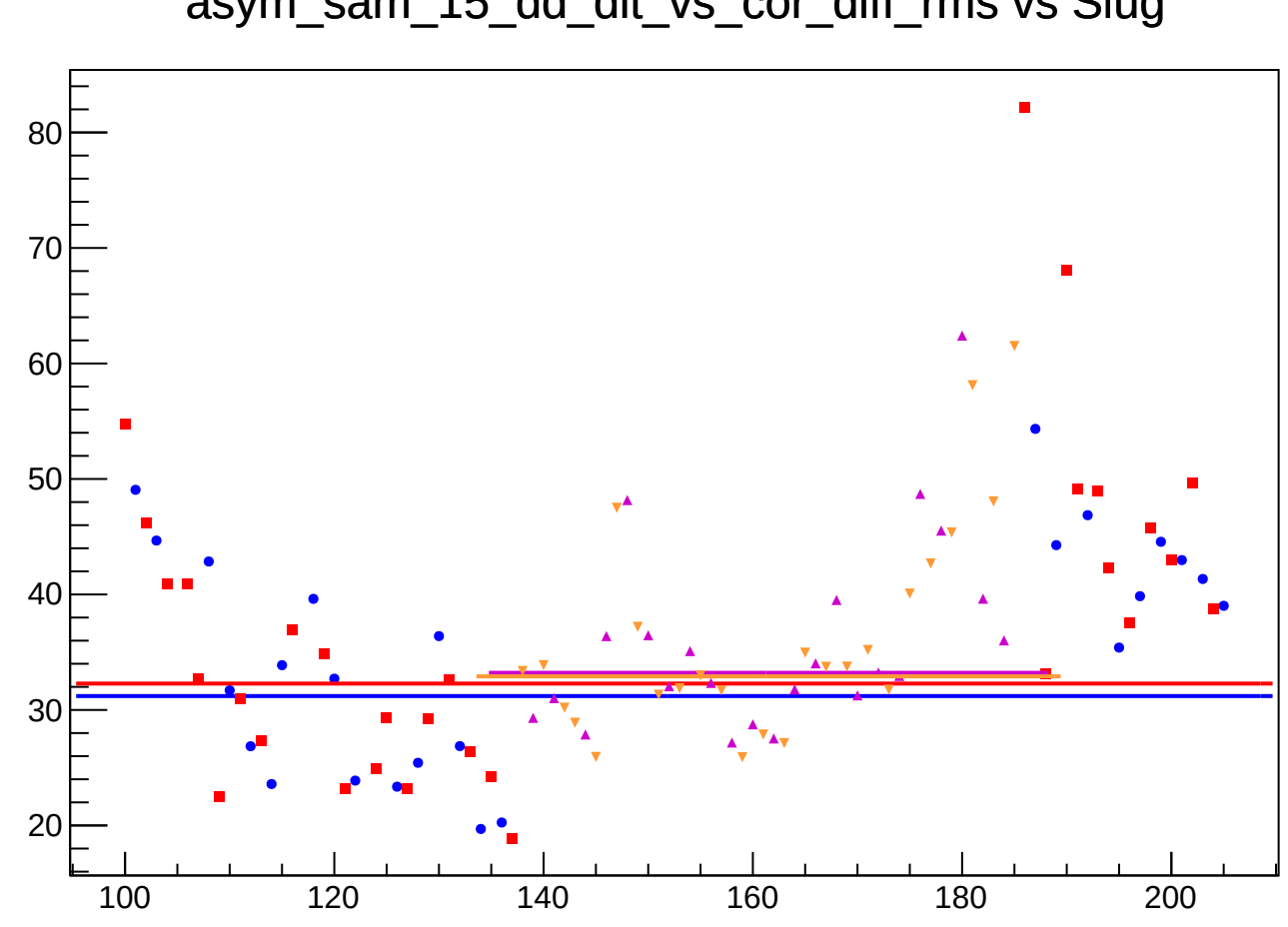
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 56.6/49

All: 0.005+/-0.004 χ^2/NDF: 103.8/102

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

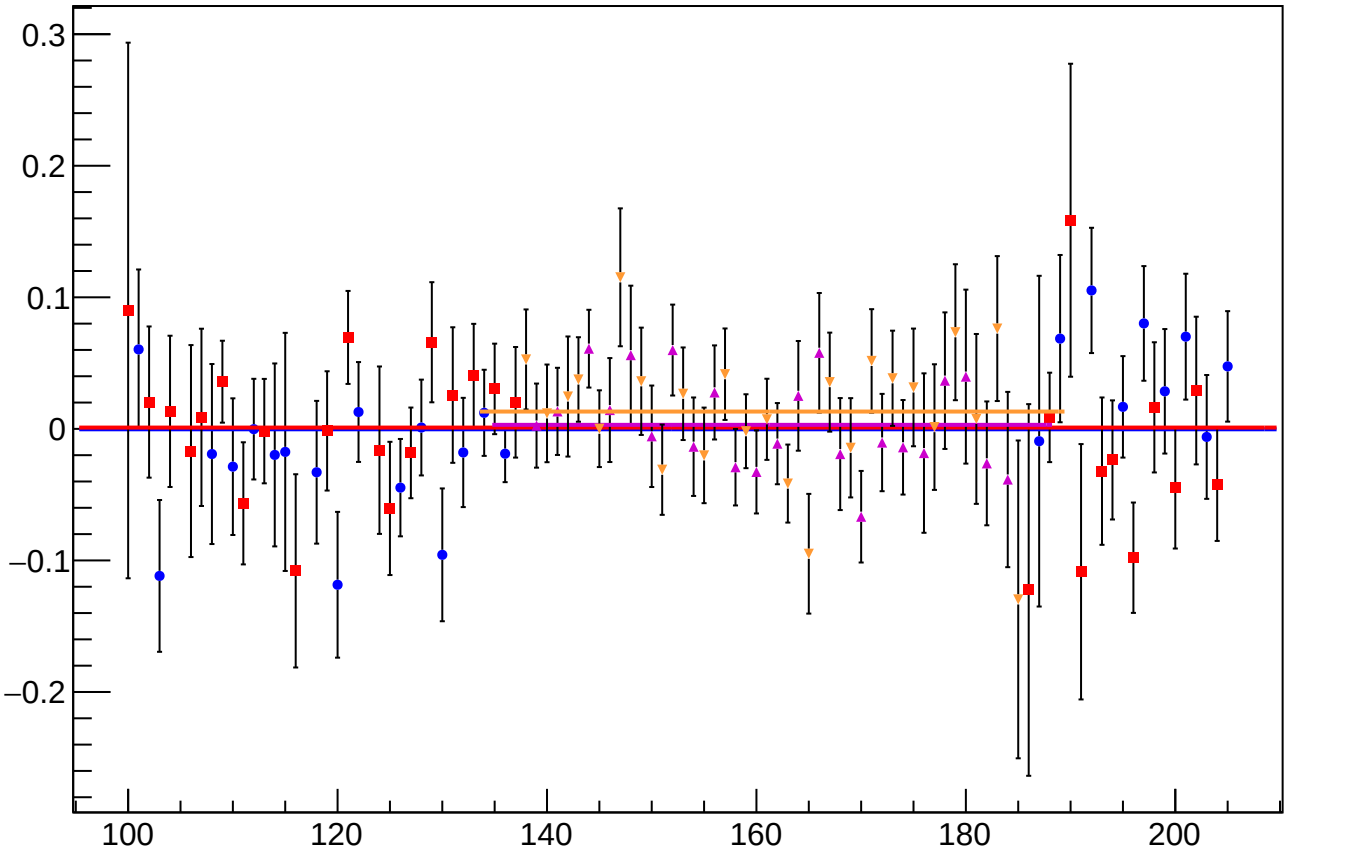
Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 32.171+/-0.004 χ^2/NDF: 3842235.6/49

All: 32.477+/-0.003 χ^2/NDF: 7503746.3/102

\- sign 32.792+/-0.004 χ^2/NDF: 3650176.0/52



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

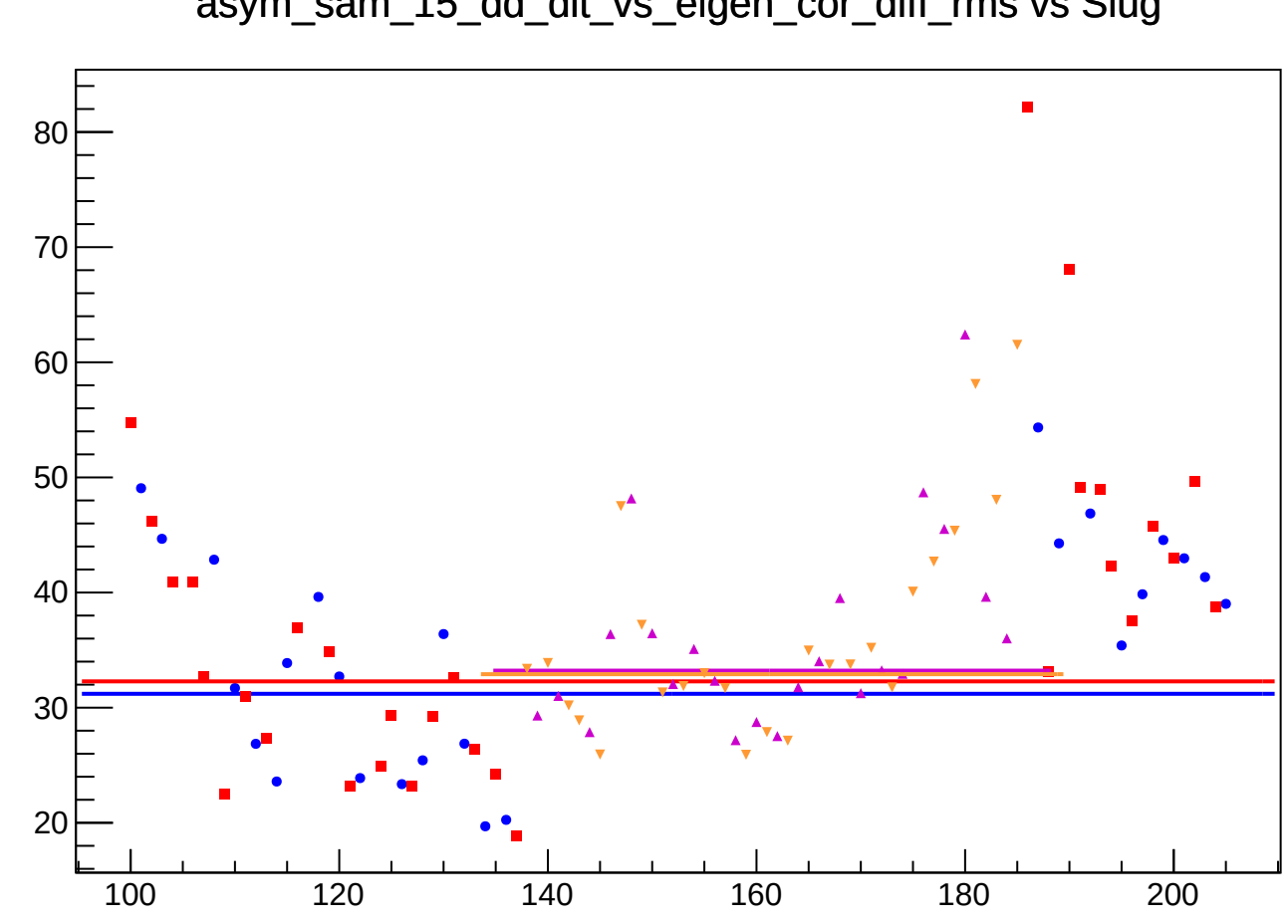
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 56.6/49

All: 0.005+/-0.004 χ^2/NDF: 103.8/102

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

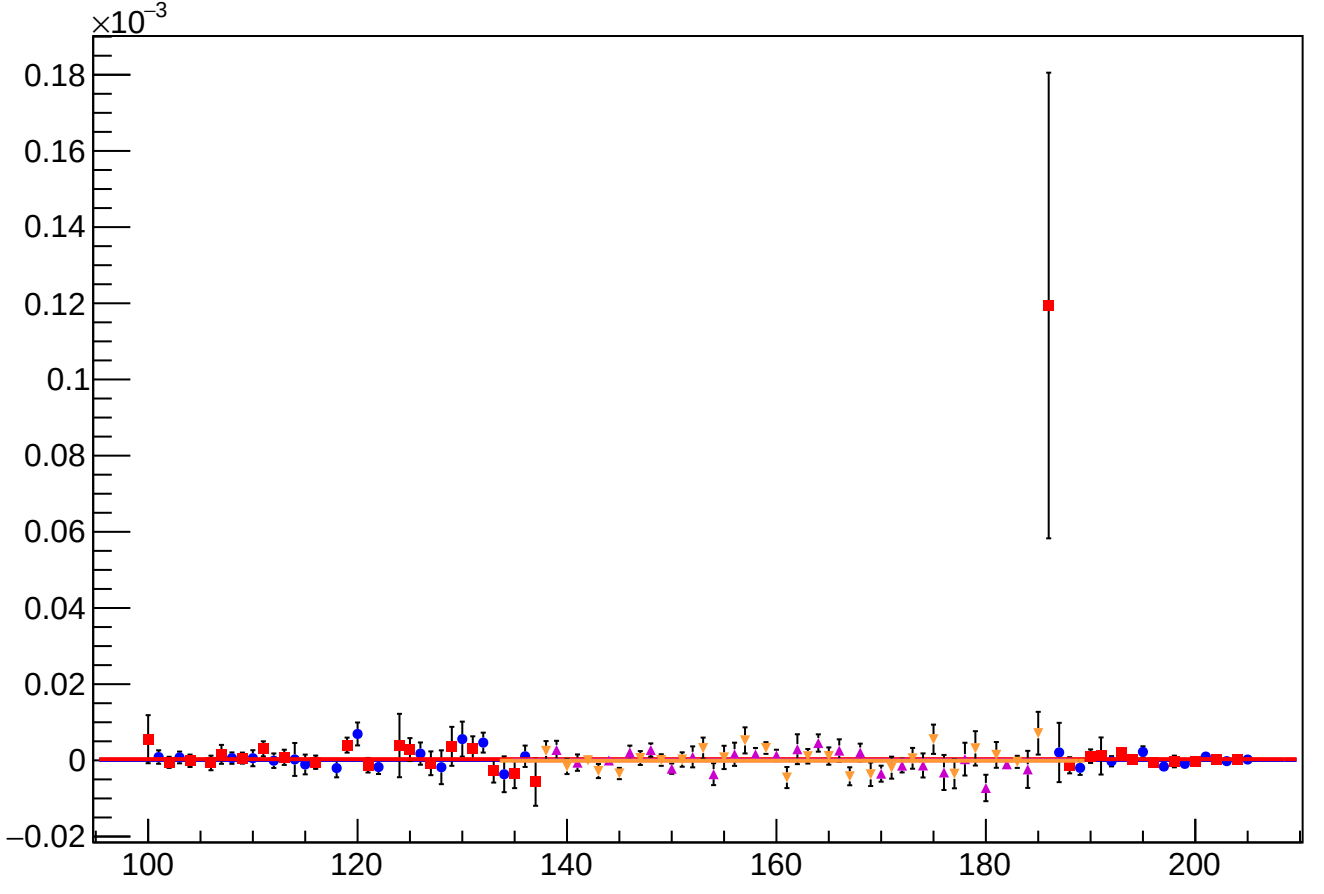
Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.171+/-0.004 χ^2/NDF: 3842235.6/49

All: 32.477+/-0.003 χ^2/NDF: 7503746.3/102

- sign 32.792+/-0.004 χ^2/NDF: 3650176.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/29

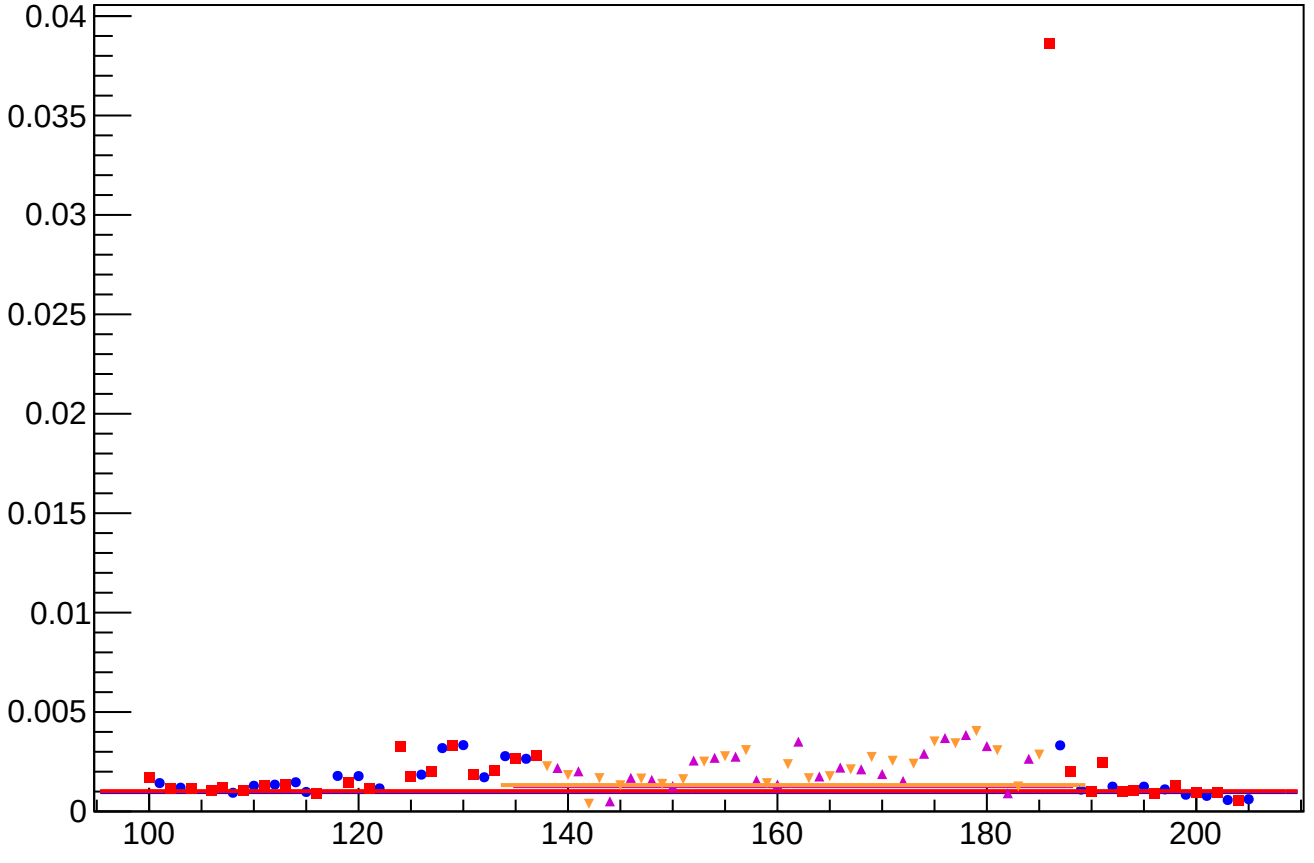
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/49

All: 0.000+/-0.000 χ^2/NDF: 101.2/102

- sign 0.000+/-0.000 χ^2/NDF: 48.5/52

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4703805.3/24

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4898003.4/29

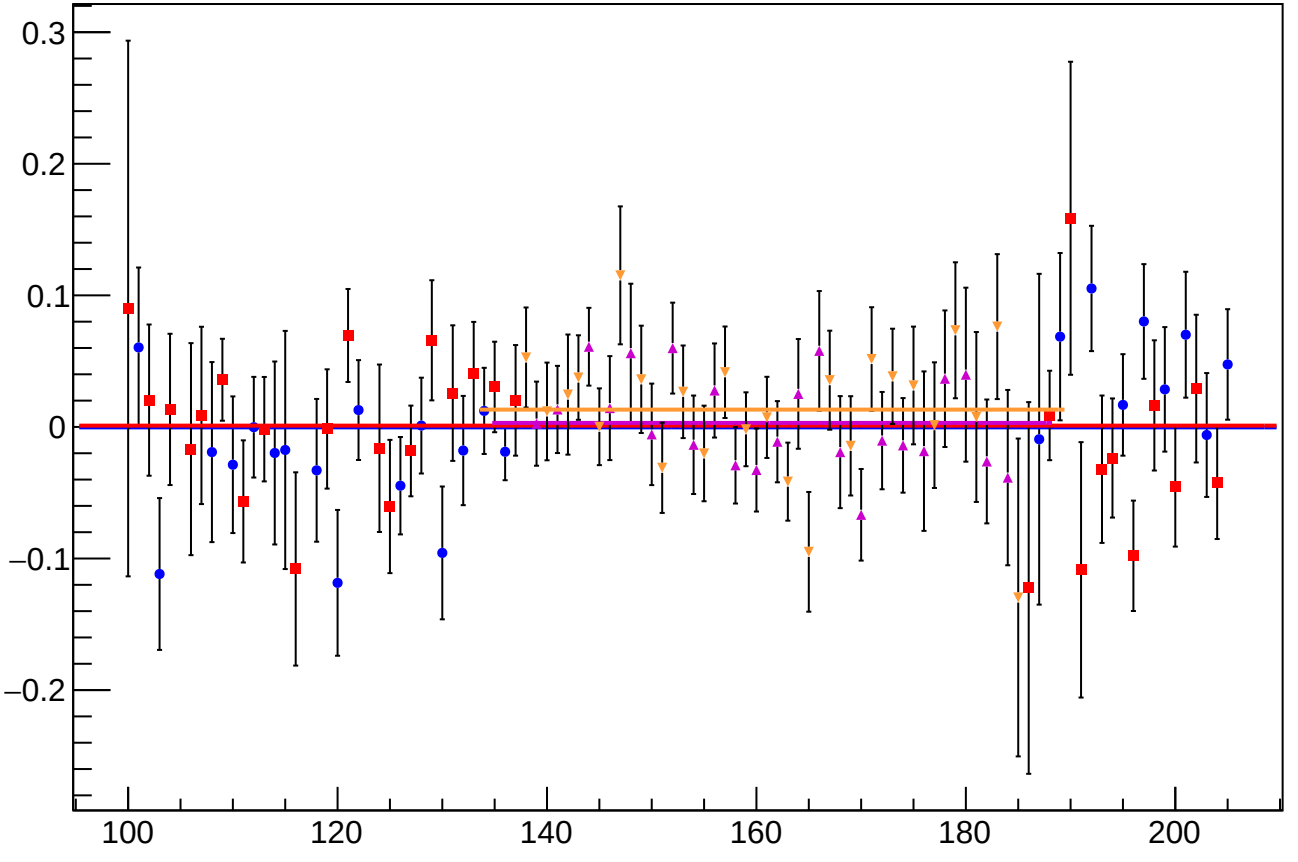
Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16980094.9/49

All: 0.001+/-0.000 χ^2/NDF: 32359909.6/102

- sign 0.001+/-0.000 χ^2/NDF: 15377709.8/52

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

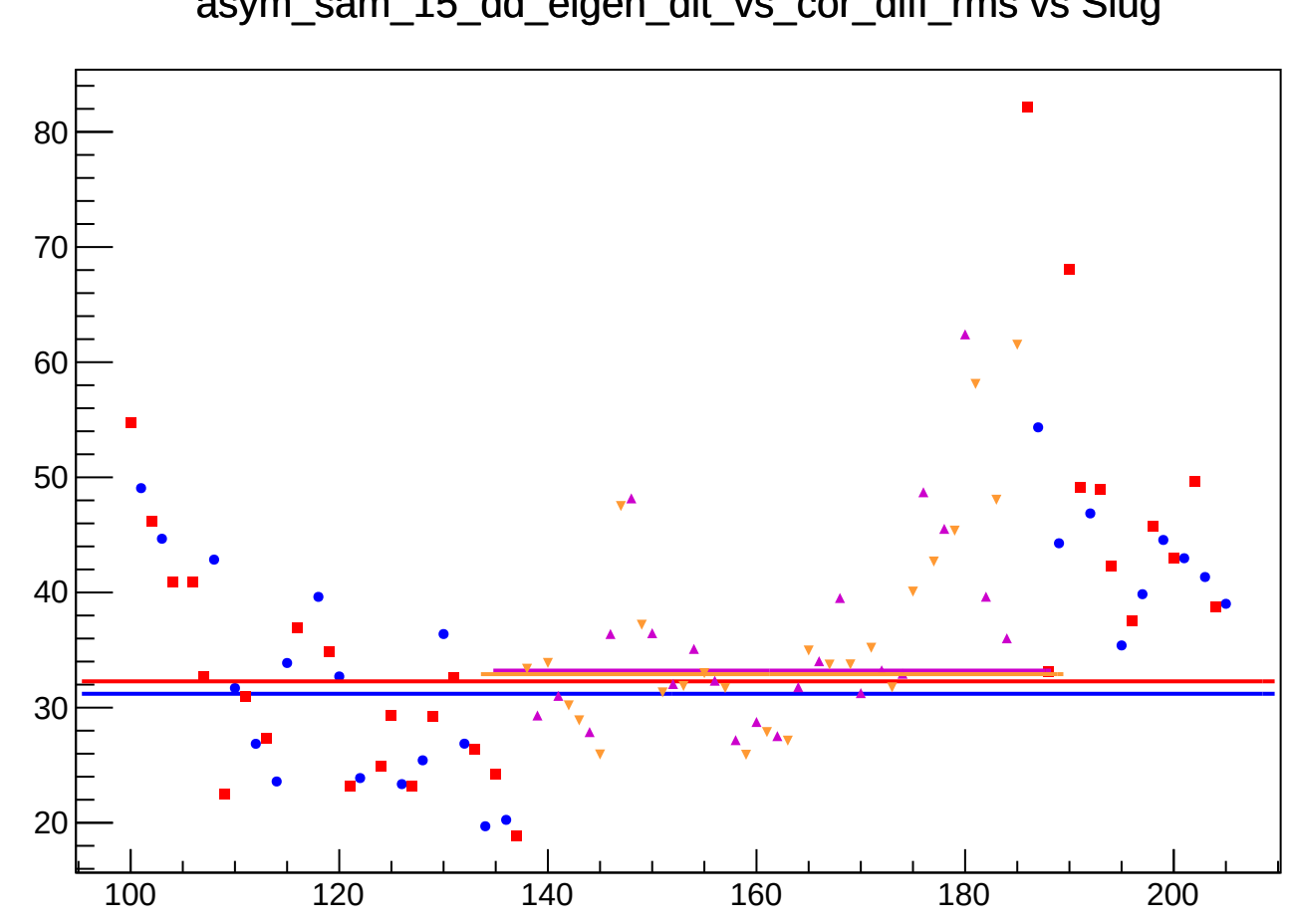
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 56.6/49

All: 0.005+/-0.004 χ^2/NDF: 103.8/102

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

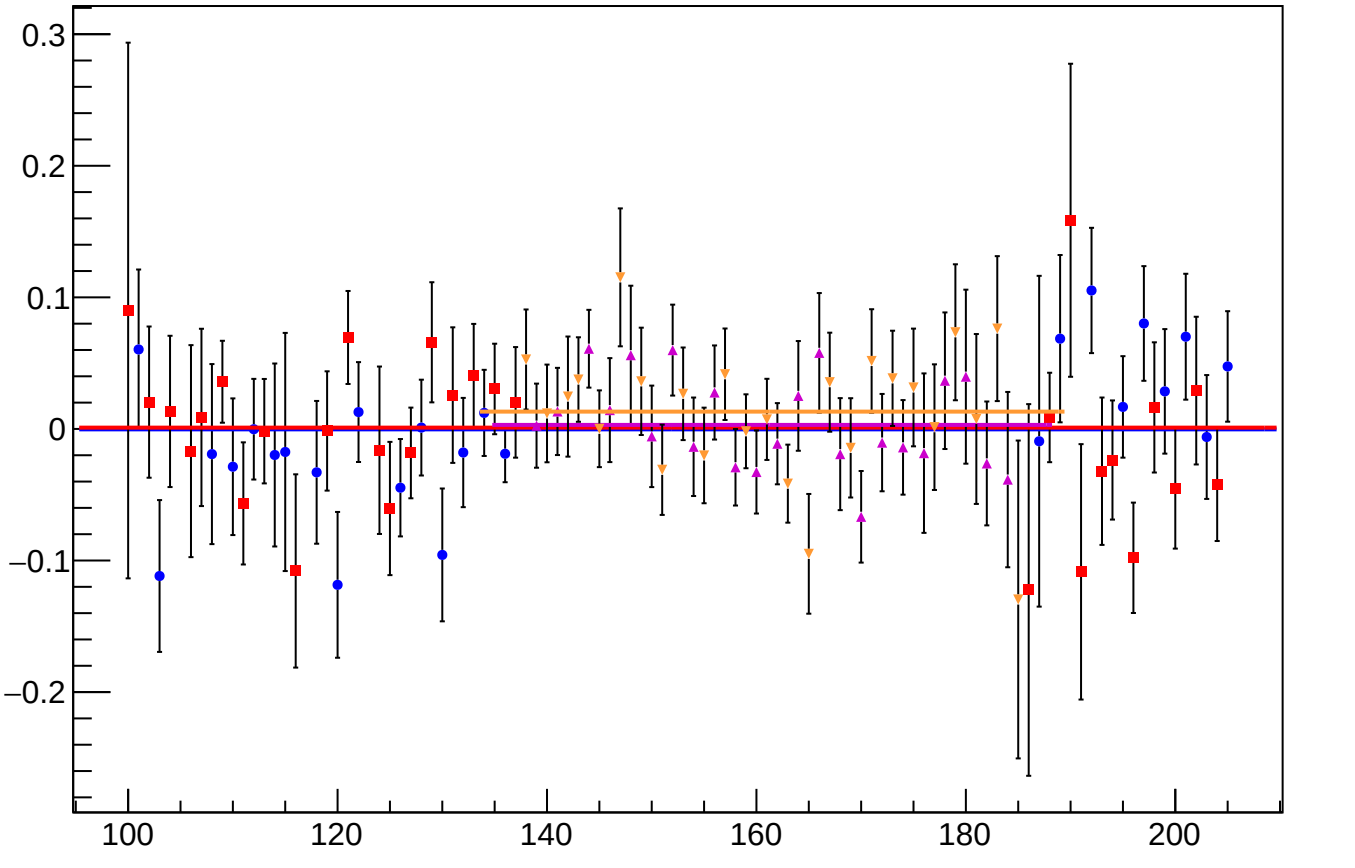
Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 32.171+/-0.004 χ^2/NDF: 3842540.0/49

All: 32.476+/-0.003 χ^2/NDF: 7504473.2/102

\- sign 32.791+/-0.004 χ^2/NDF: 3650601.8/52



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

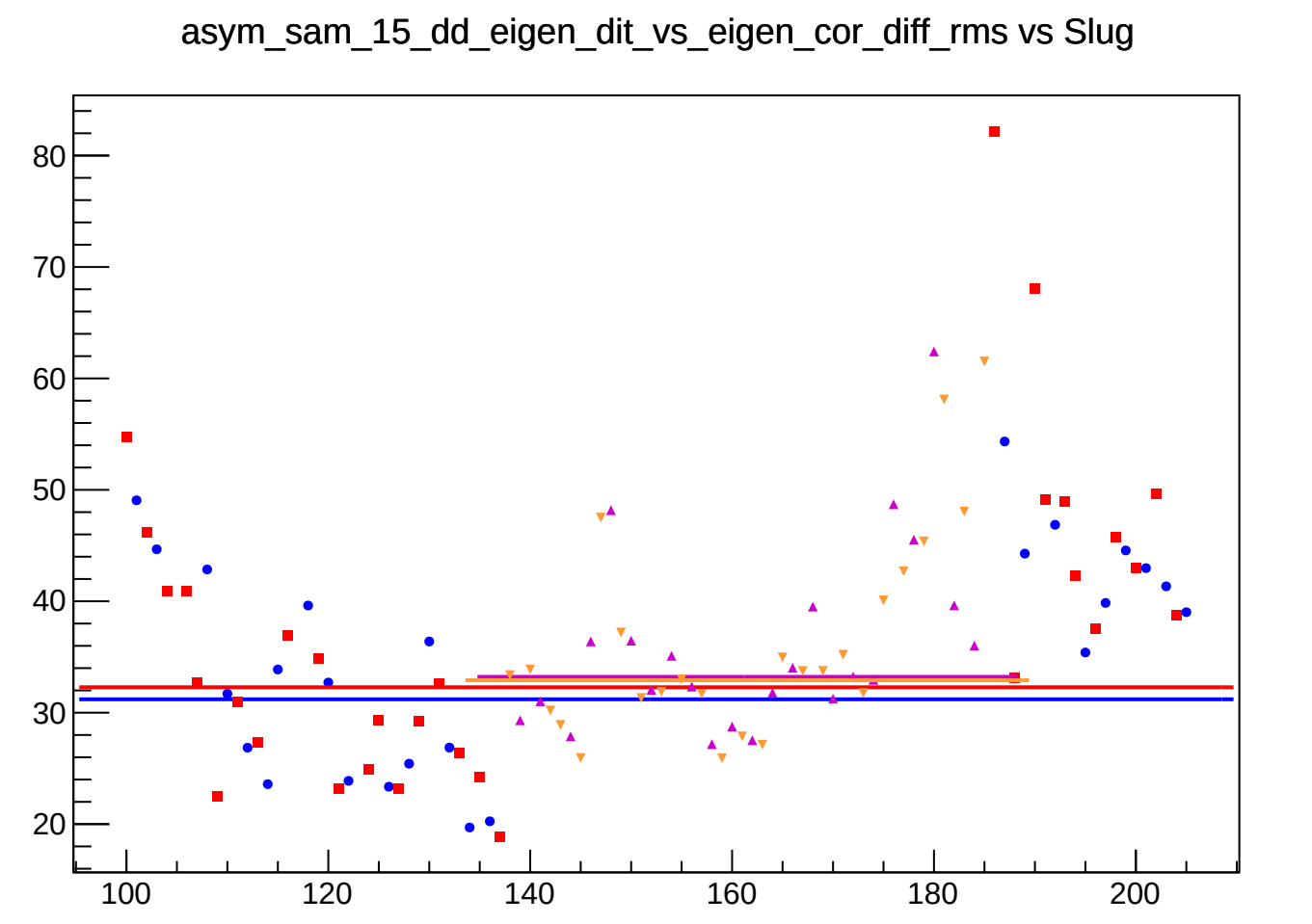
Right Out: 0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 56.6/49

All: 0.005+/-0.004 χ^2/NDF: 103.8/102

- sign 0.002+/-0.006 χ^2/NDF: 46.9/52



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

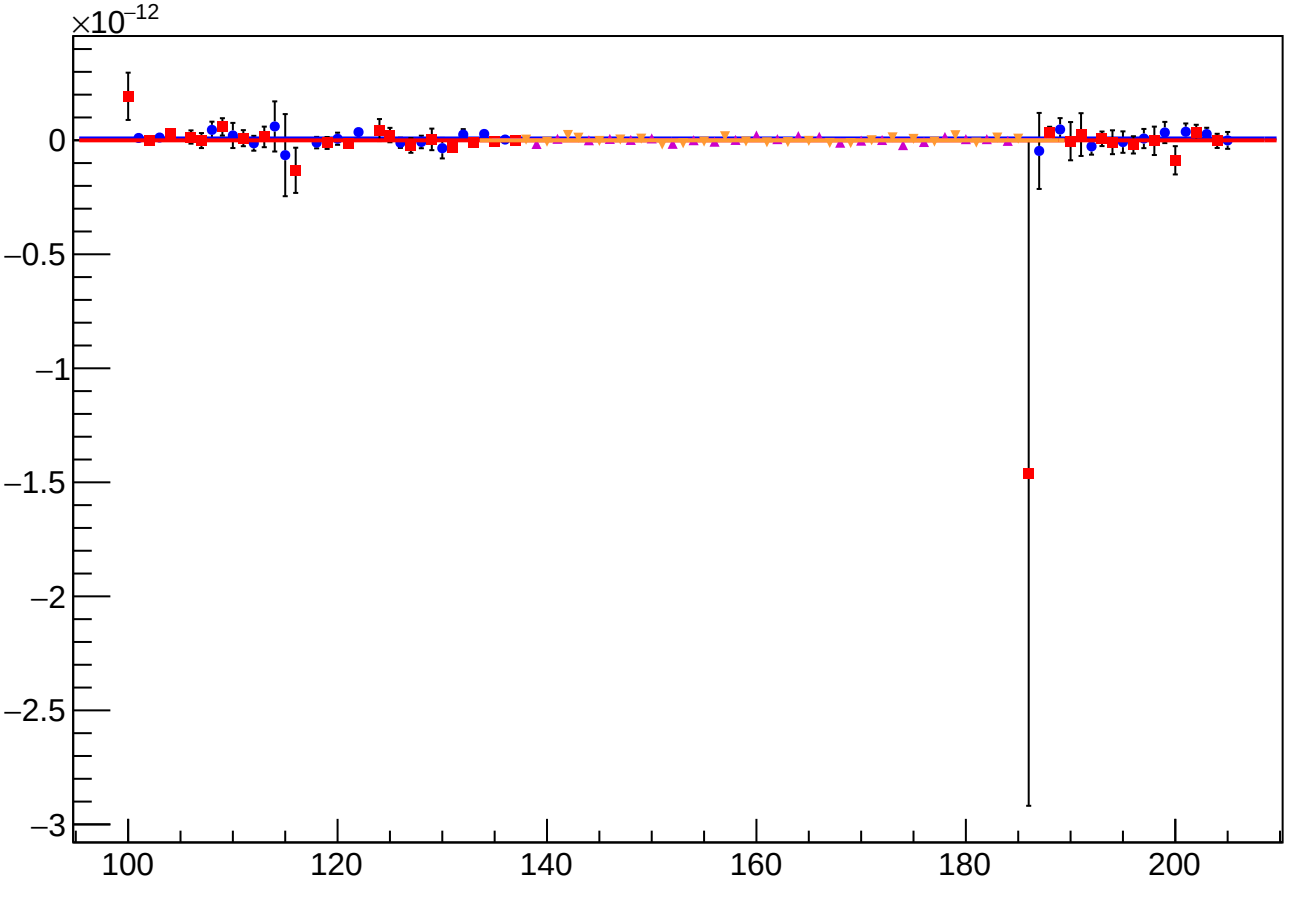
Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.171+/-0.004 χ^2/NDF: 3842540.0/49

All: 32.476+/-0.003 χ^2/NDF: 7504473.2/102

- sign 32.791+/-0.004 χ^2/NDF: 3650601.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

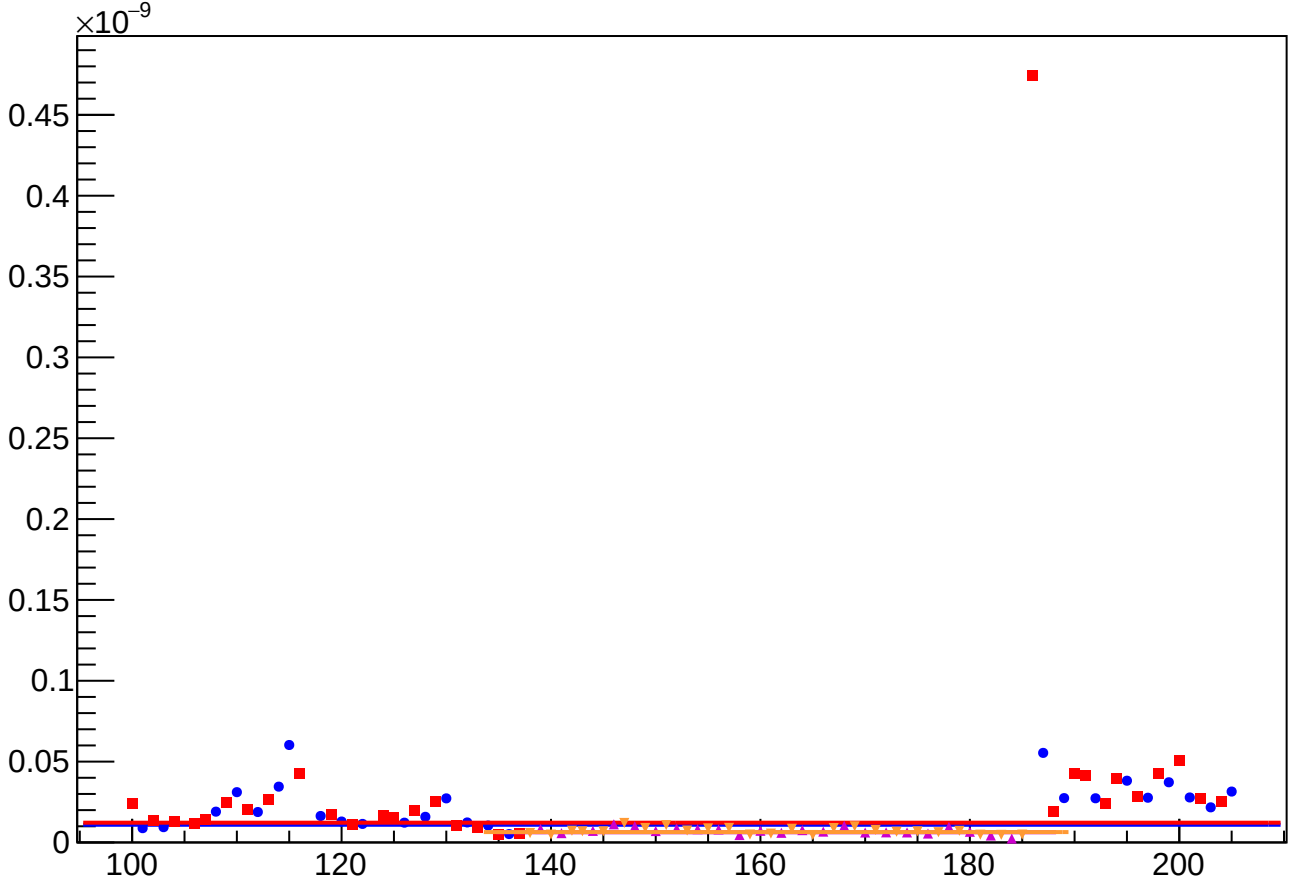
Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/29

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.3/102

- sign 0.000+/-0.000 χ^2/NDF: 46.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6541630.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7043433.3/29

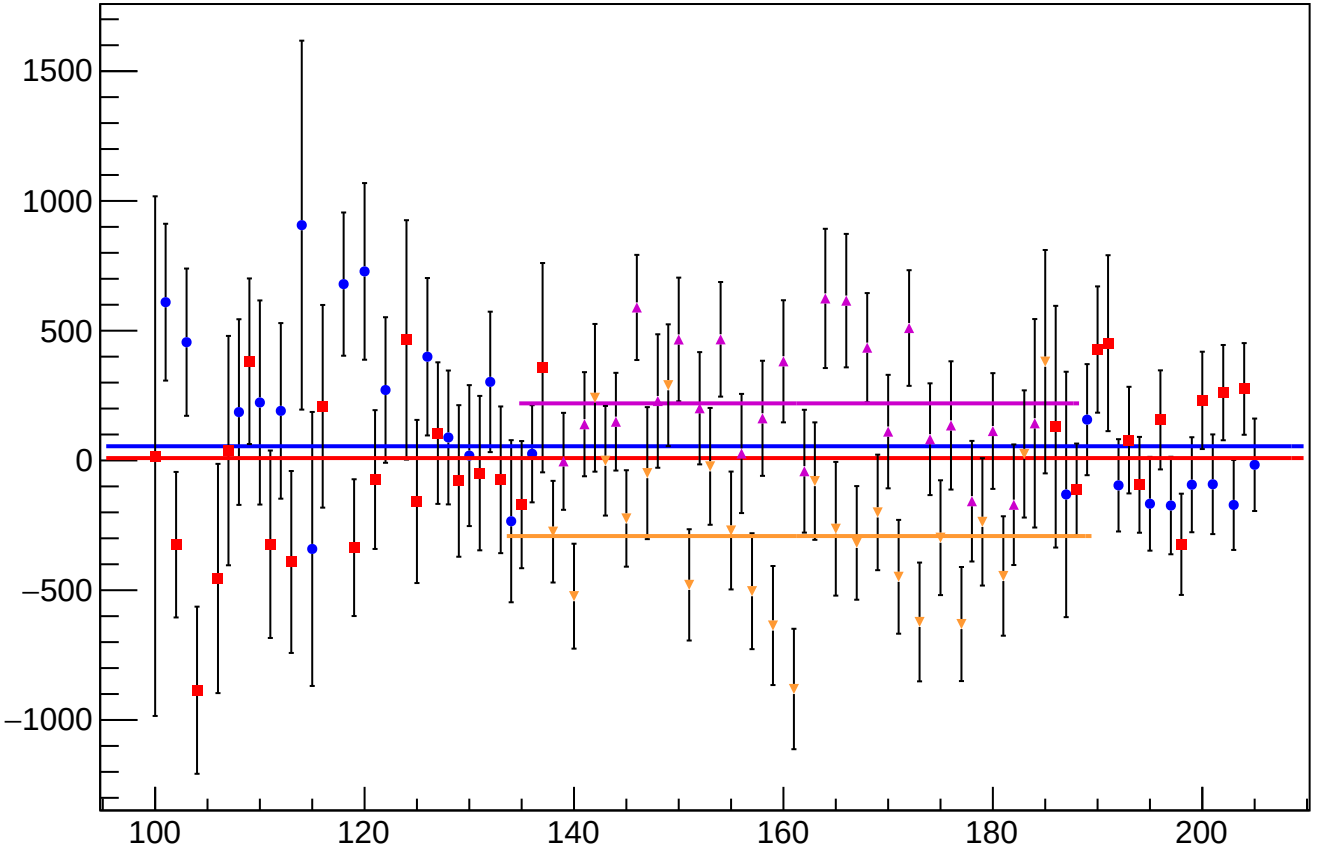
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10278751.1/49

All: 0.000+/-0.000 χ^2/NDF: 22277944.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11998034.7/52

reg_asym_sam_26_dd_mean vs Slug



Right In: 54.743+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 9.153+/-47.683 χ^2/NDF: 33.4/29

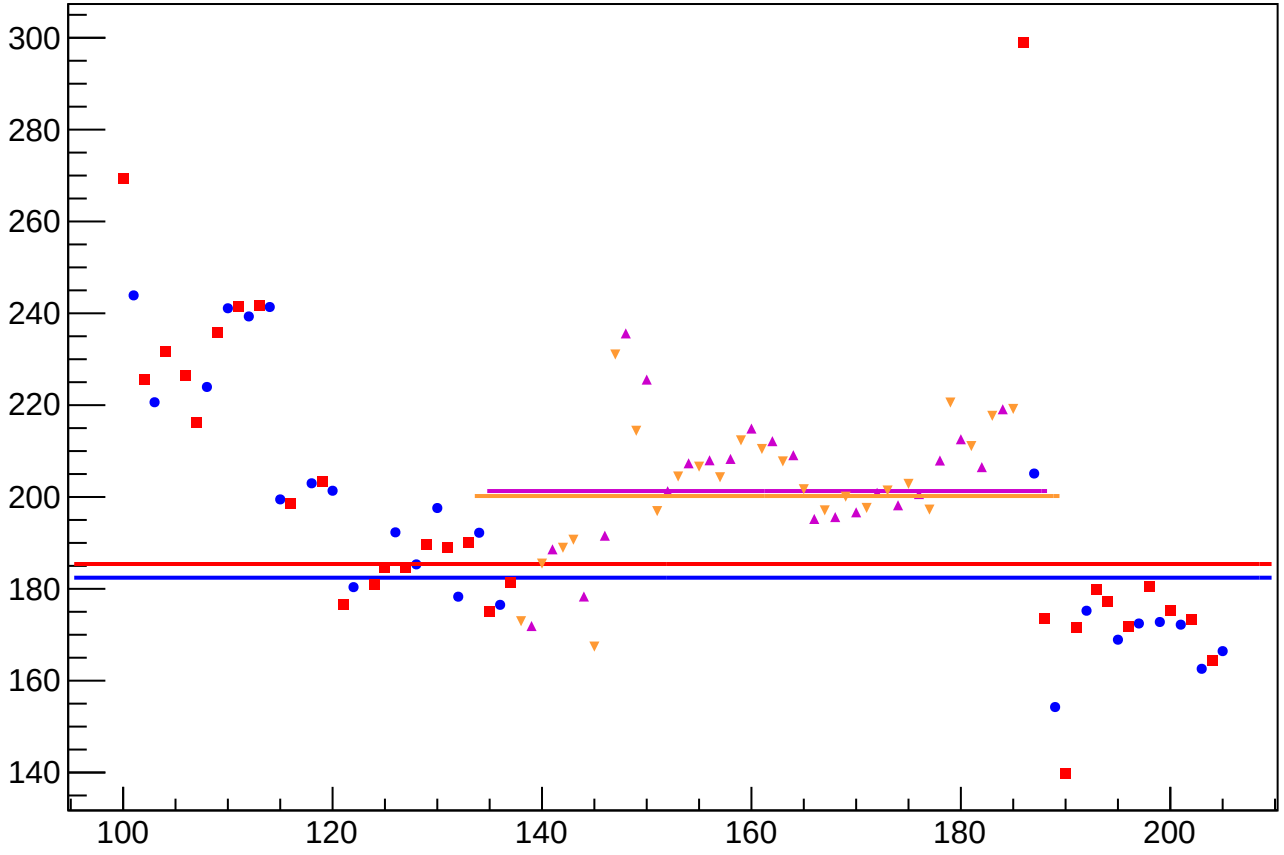
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -130.554+/-33.378 χ^2/NDF: 90.8/49

All: -7.942+/-23.654 χ^2/NDF: 185.0/102

- sign 115.758+/-33.525 χ^2/NDF: 67.0/52

reg_asym_sam_26_dd_rms vs Slug



Right In: 182.426+/-0.035 χ^2/NDF: 406259.7/24

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

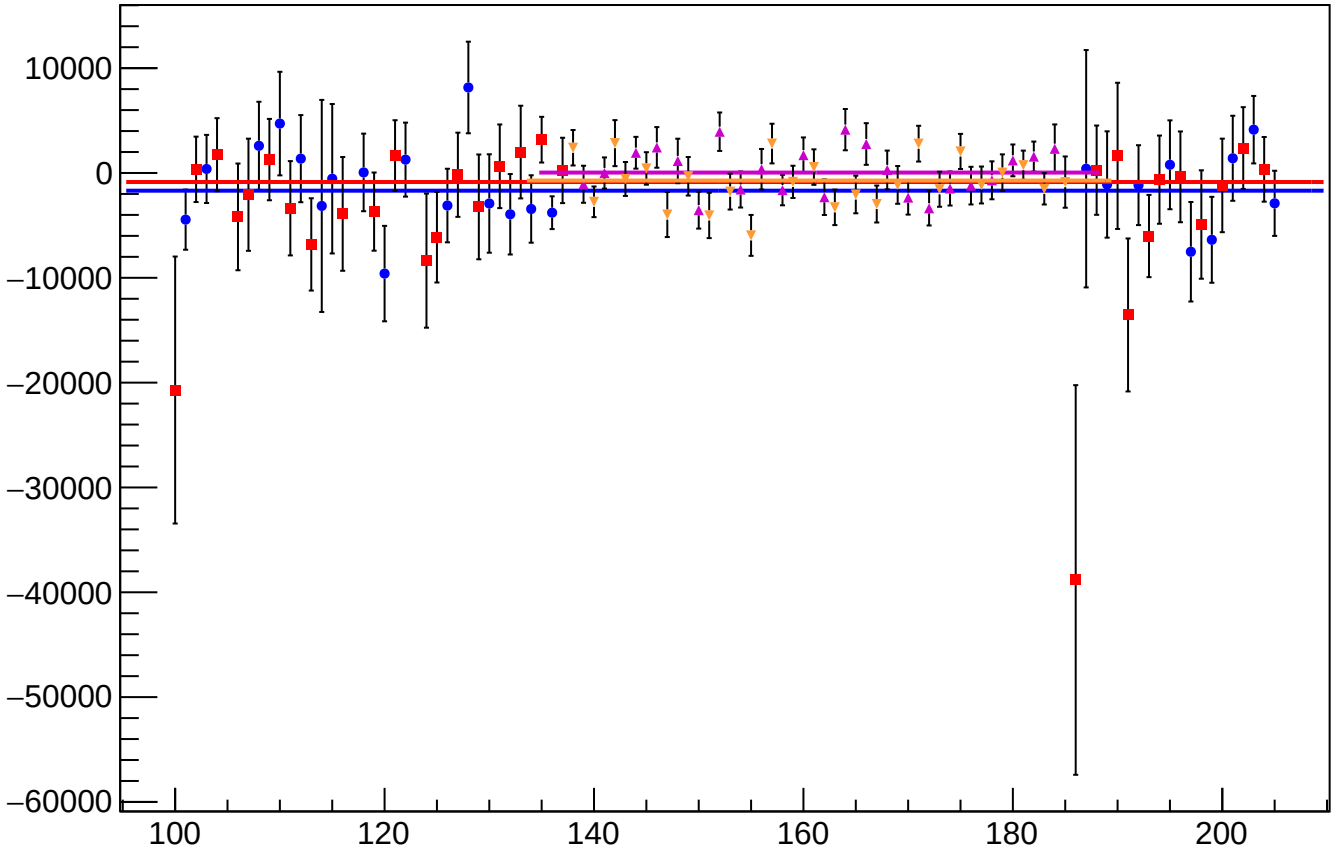
Right Out: 185.408+/-0.034 χ^2/NDF: 553211.6/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 191.948+/-0.024 χ^2/NDF: 751887.8/49

All: 192.692+/-0.017 χ^2/NDF: 1601046.5/102

- sign 193.443+/-0.024 χ^2/NDF: 847163.3/52



Right In: -1688.708+/-727.214 χ^2/NDF: 23.6/24

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -861.567+/-752.938 χ^2/NDF: 25.3/29

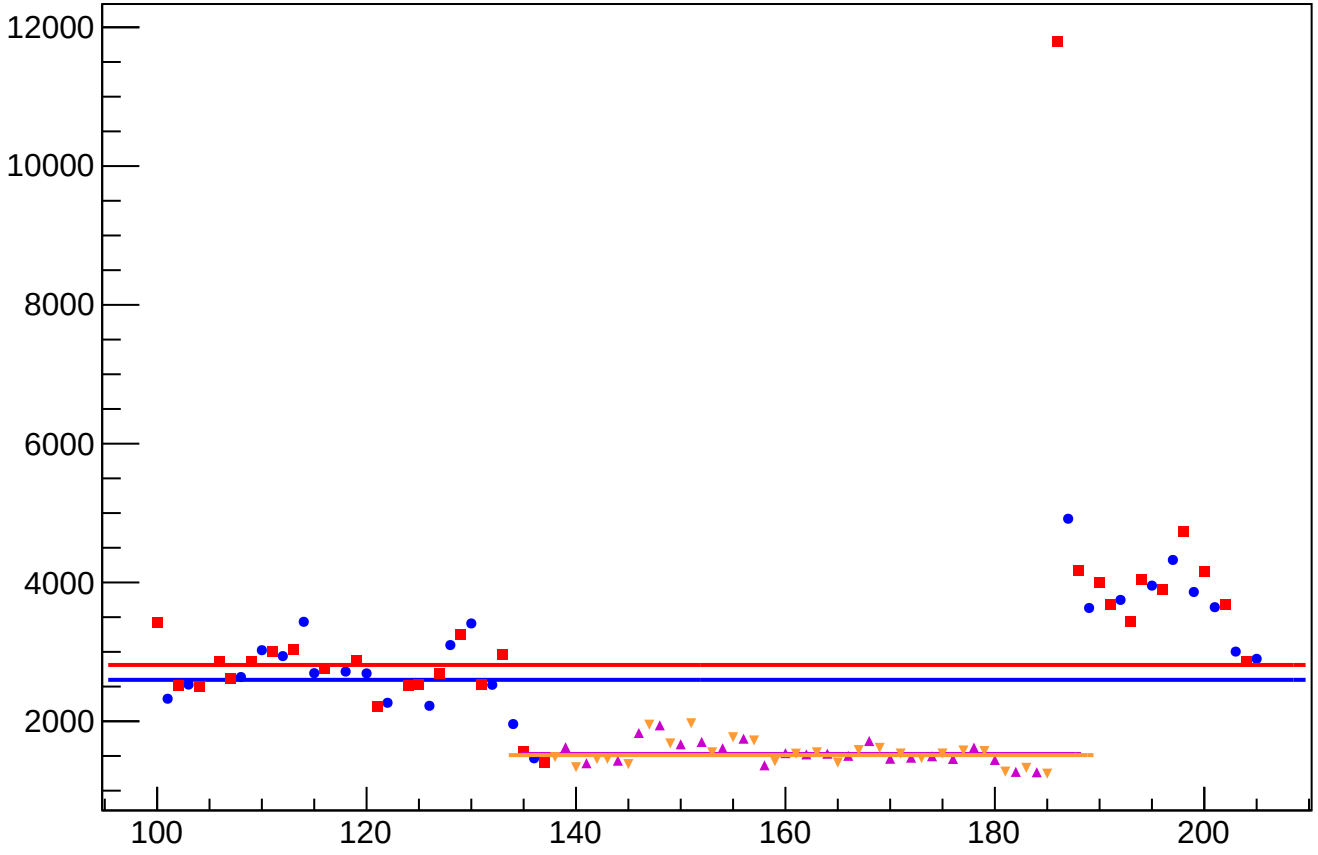
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -899.700+/-312.715 χ^2/NDF: 63.3/49

All: -527.711+/-225.089 χ^2/NDF: 127.1/102

- sign -127.785+/-324.245 χ^2/NDF: 60.9/52

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2597.074+/-0.514 χ^2/NDF: 2510983.0/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2811.454+/-0.532 χ^2/NDF: 2889481.9/29

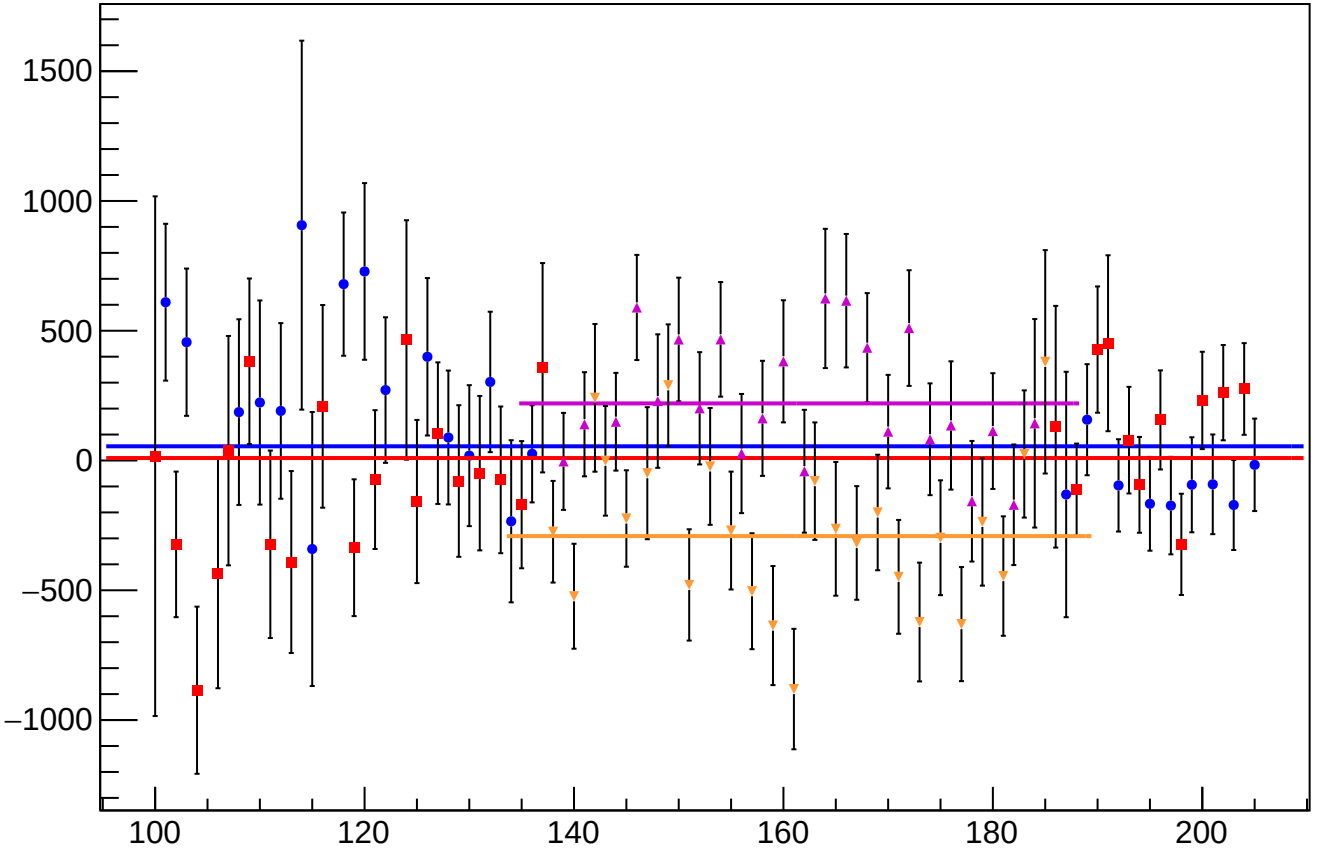
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1712.944+/-0.221 χ^2/NDF: 6580435.8/49

All: 1738.506+/-0.159 χ^2/NDF: 14605336.3/1

- sign 1765.988+/-0.229 χ^2/NDF: 7997169.3/52

cor_asym_sam_26_dd_mean vs Slug



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 9.494+/-47.686 χ^2/NDF: 33.3/29

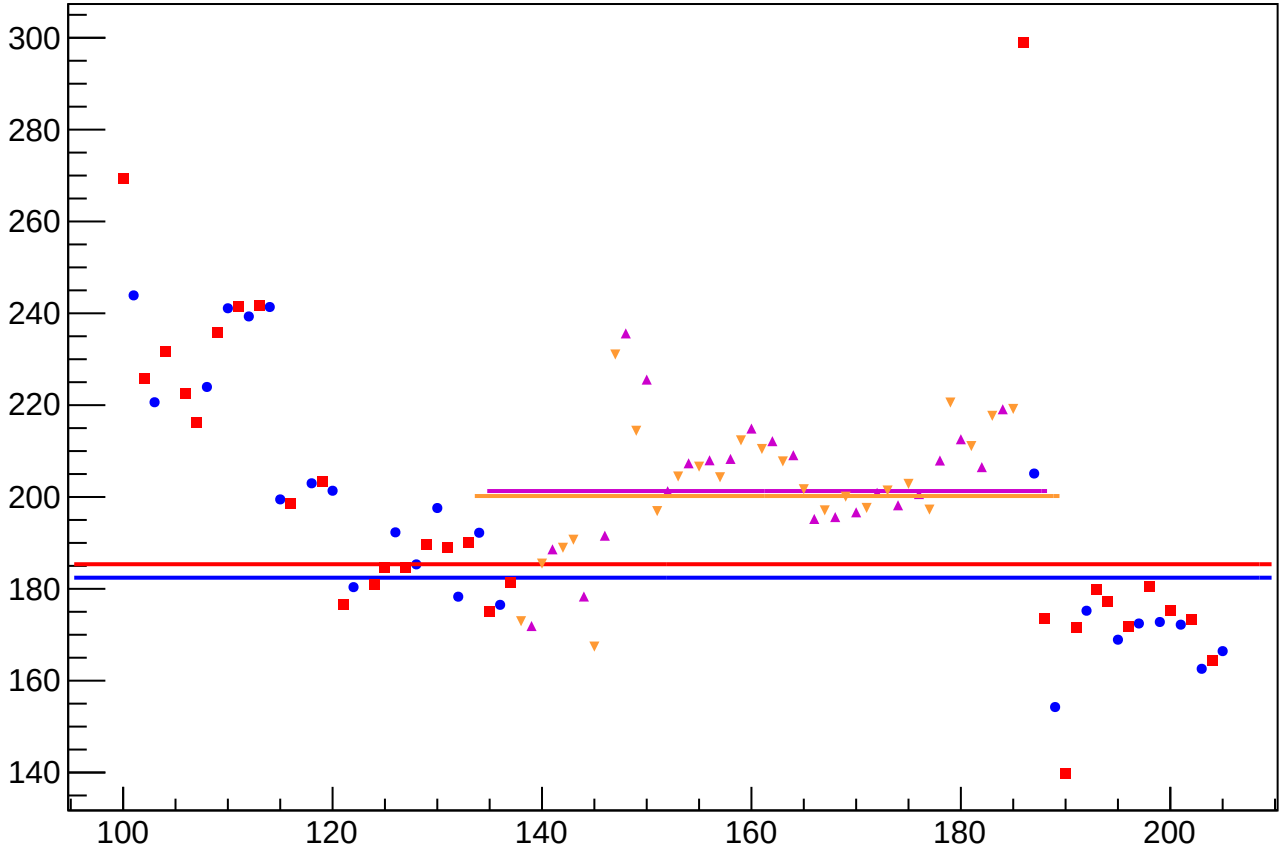
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -130.556+/-33.378 χ^2/NDF: 90.8/49

All: -7.857+/-23.654 χ^2/NDF: 184.8/102

- sign 115.937+/-33.526 χ^2/NDF: 66.9/52

cor_asym_sam_26_dd_rms vs Slug



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

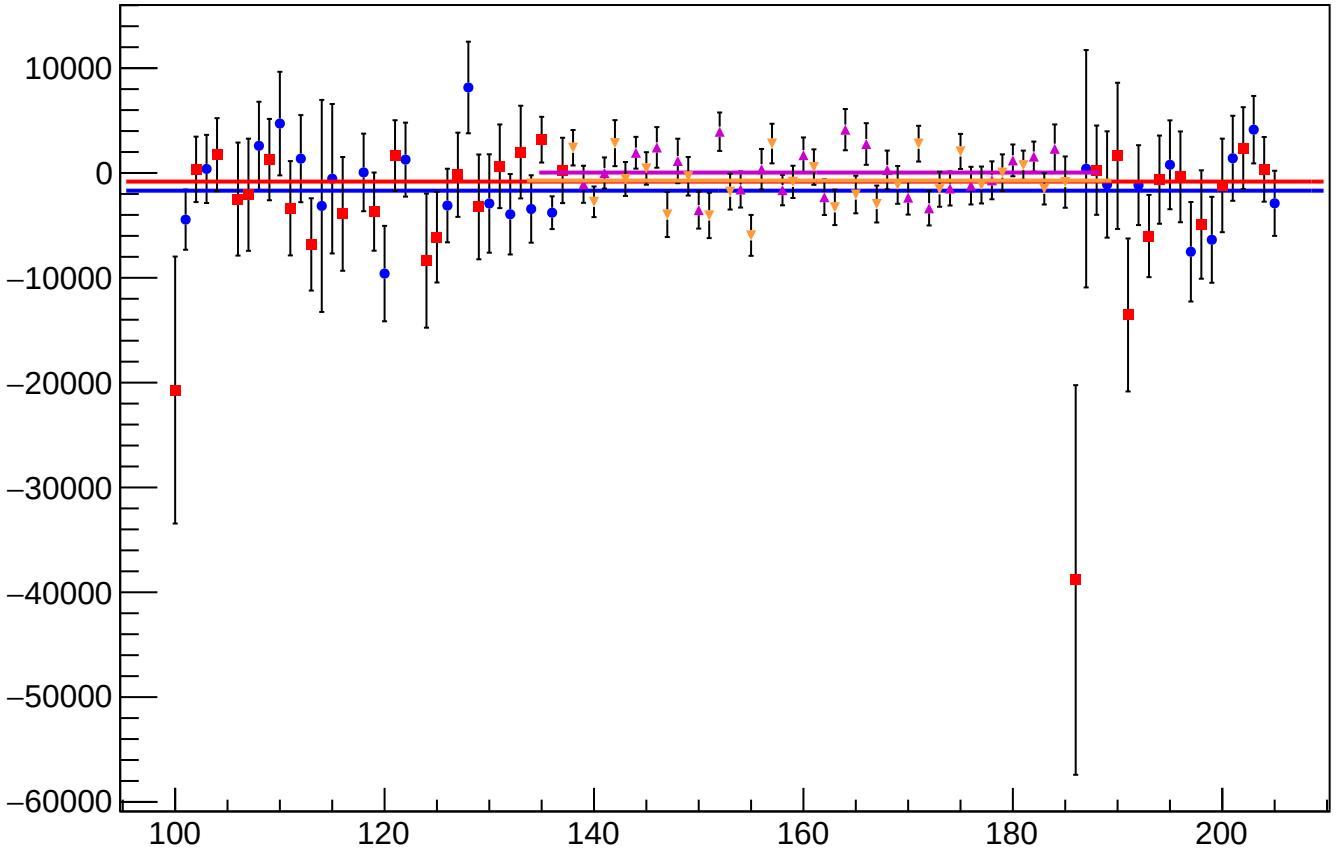
Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 191.948+/-0.024 χ^2/NDF: 751888.3/49

All: 192.680+/-0.017 χ^2/NDF: 1598500.1/102

- sign 193.419+/-0.024 χ^2/NDF: 844678.4/52



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -820.599+/-753.851 χ^2/NDF: 25.0/29

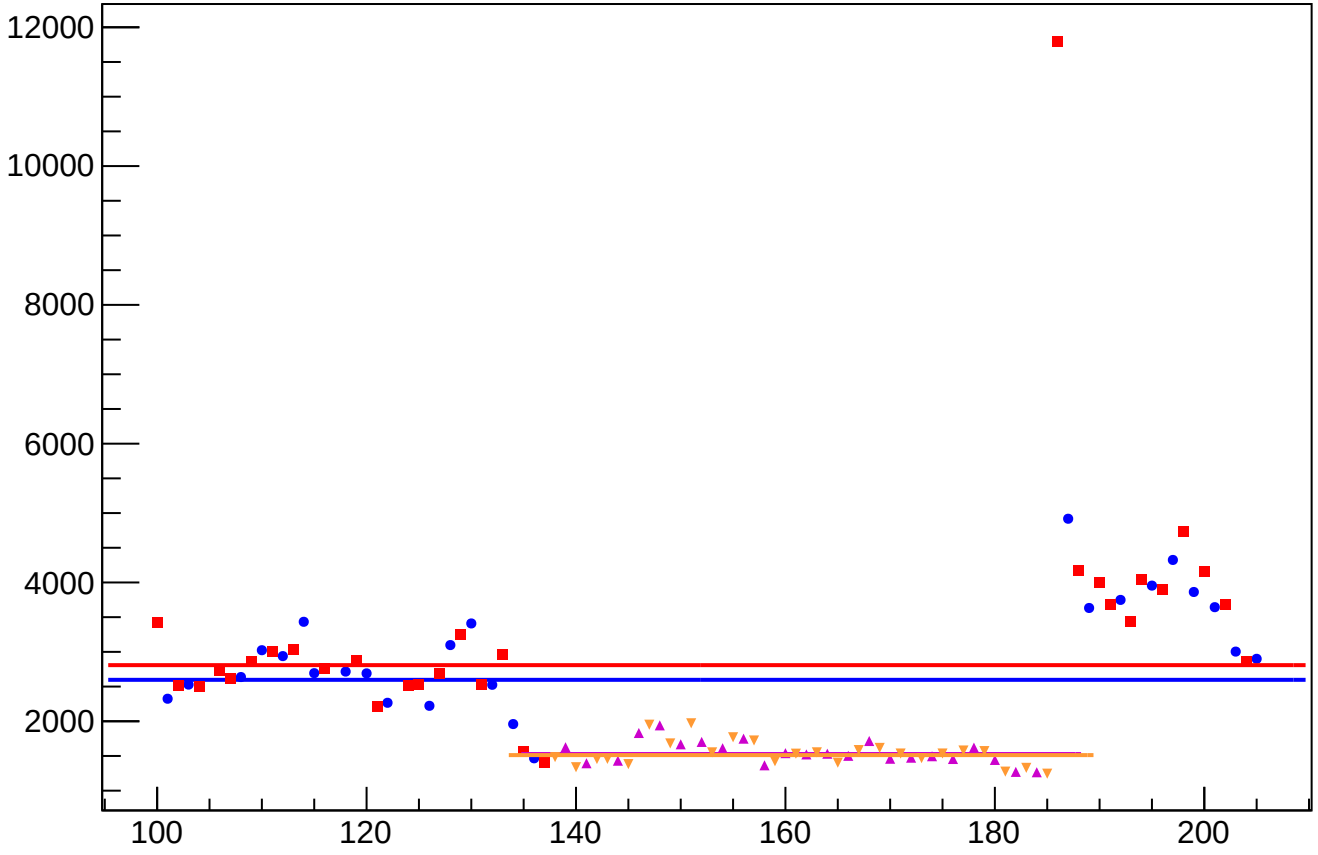
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -899.699+/-312.715 χ^2/NDF: 63.3/49

All: -523.986+/-225.113 χ^2/NDF: 126.7/102

- sign -119.875+/-324.318 χ^2/NDF: 60.5/52

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

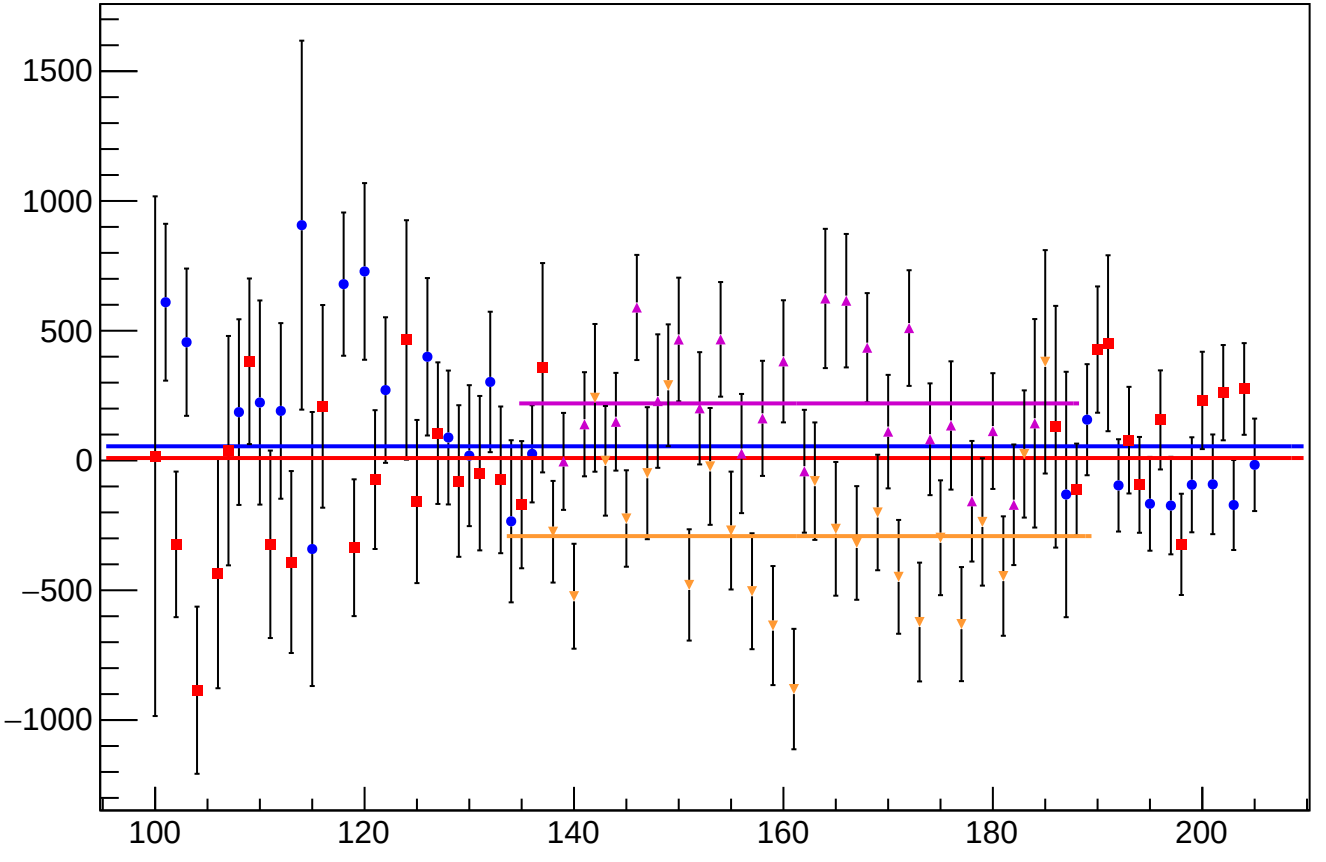
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1712.945+/-0.221 χ^2/NDF: 6580448.4/49

All: 1738.031+/-0.159 χ^2/NDF: 14574988.5/1

- sign 1765.014+/-0.229 χ^2/NDF: 7967824.7/52

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 9.494+/-47.686 χ^2/NDF: 33.3/29

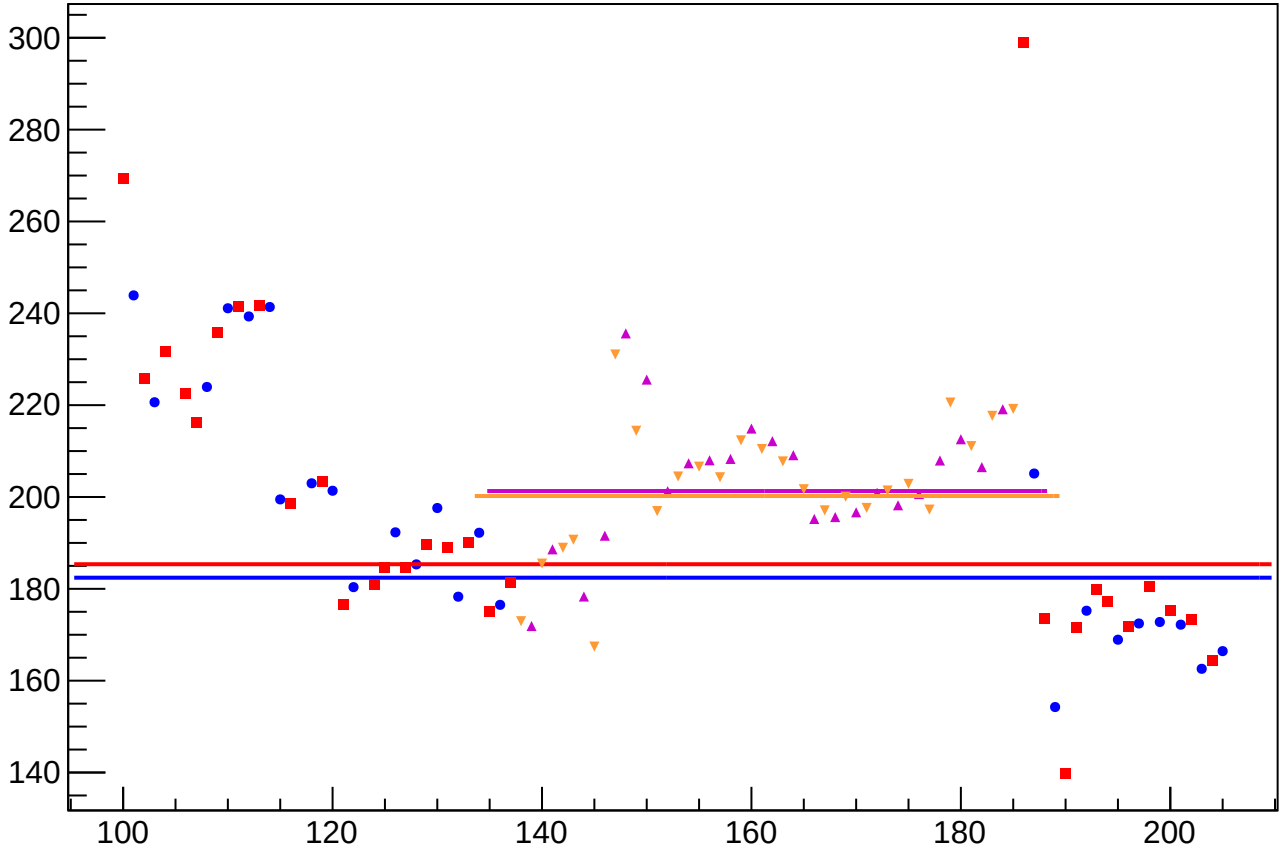
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -130.556+/-33.378 χ^2/NDF: 90.8/49

All: -7.857+/-23.654 χ^2/NDF: 184.8/102

- sign 115.937+/-33.526 χ^2/NDF: 66.9/52

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

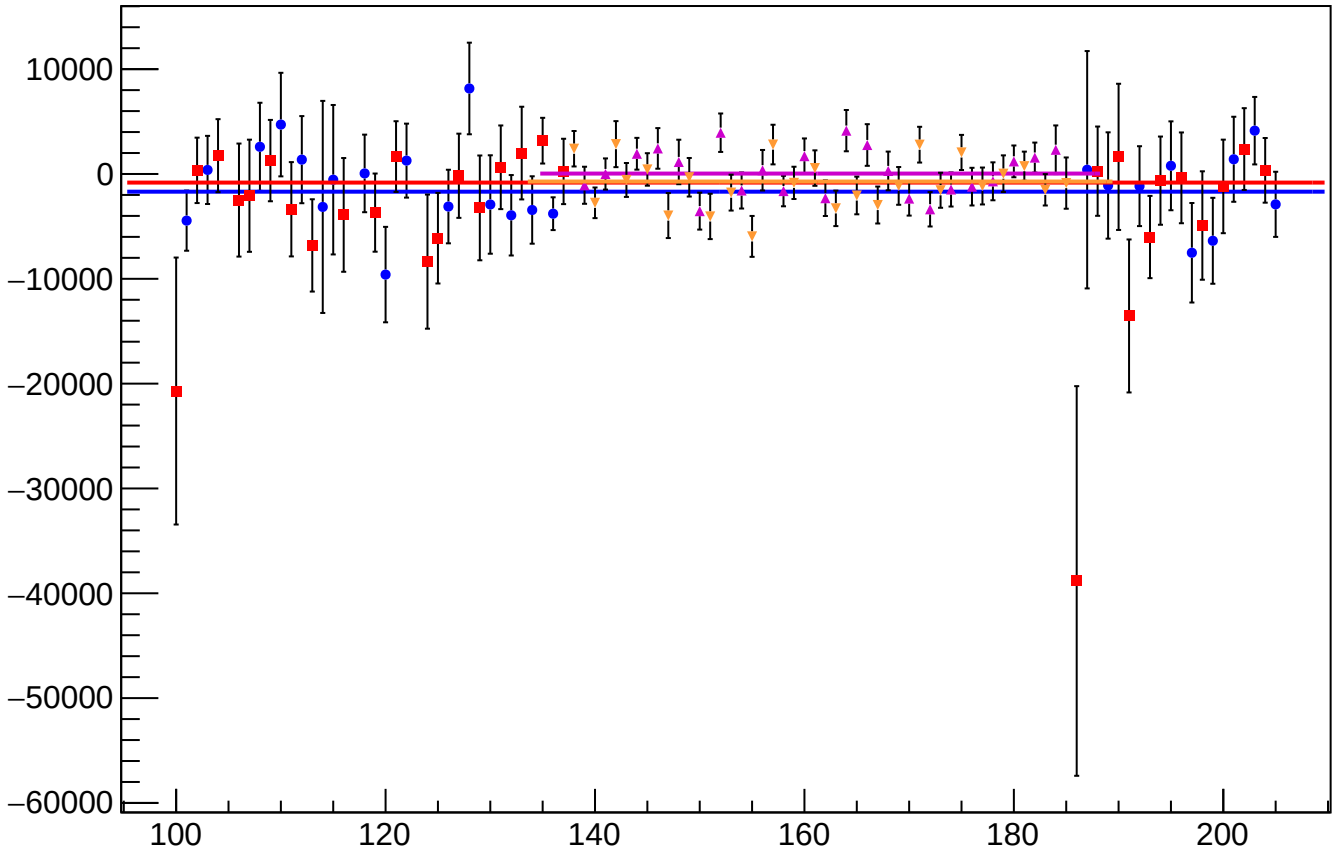
Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 191.948+/-0.024 χ^2/NDF: 751888.3/49

All: 192.680+/-0.017 χ^2/NDF: 1598500.1/102

\- sign 193.419+/-0.024 χ^2/NDF: 844678.4/52



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -820.599+/-753.851 χ^2/NDF: 25.0/29

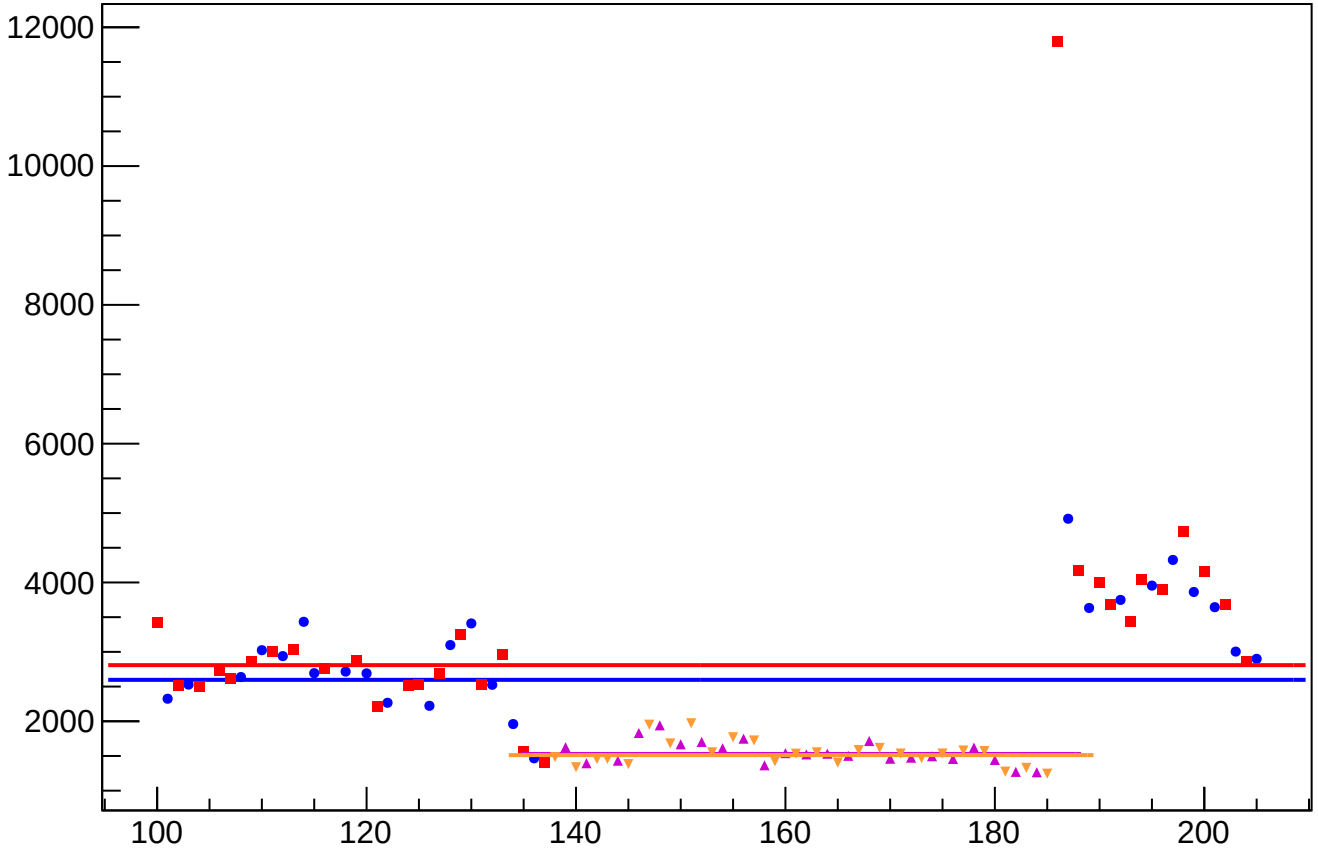
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -899.699+/-312.715 χ^2/NDF: 63.3/49

All: -523.986+/-225.113 χ^2/NDF: 126.7/102

- sign -119.875+/-324.318 χ^2/NDF: 60.5/52

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

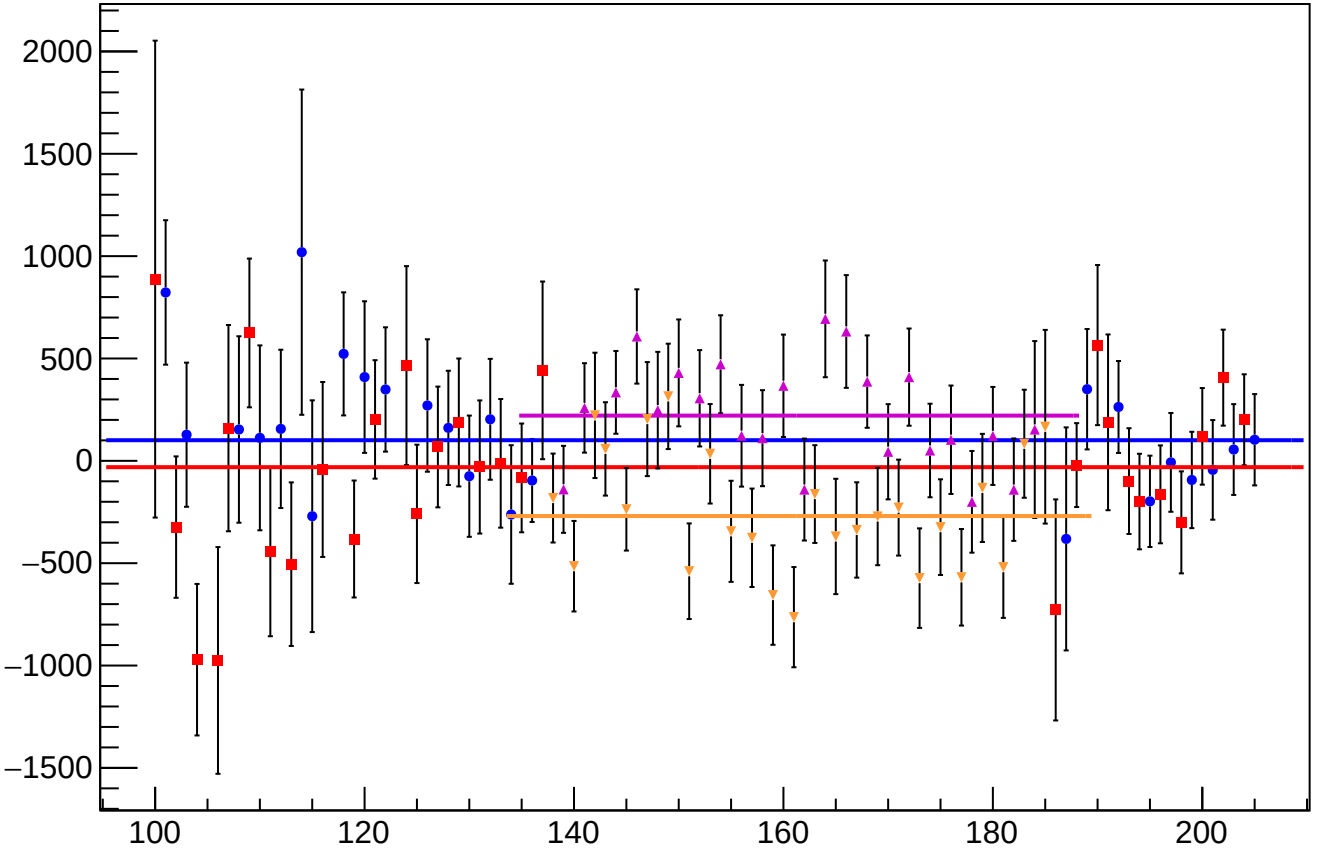
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

\+ sign 1712.945+/-0.221 χ^2/NDF: 6580448.4/49

All: 1738.031+/-0.159 χ^2/NDF: 14574988.5/1

\- sign 1765.014+/-0.229 χ^2/NDF: 7967824.7/52

dit_asym_sam_26_dd_mean vs Slug



Right In: 100.713+/-58.505 χ^2/NDF: 17.3/24

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

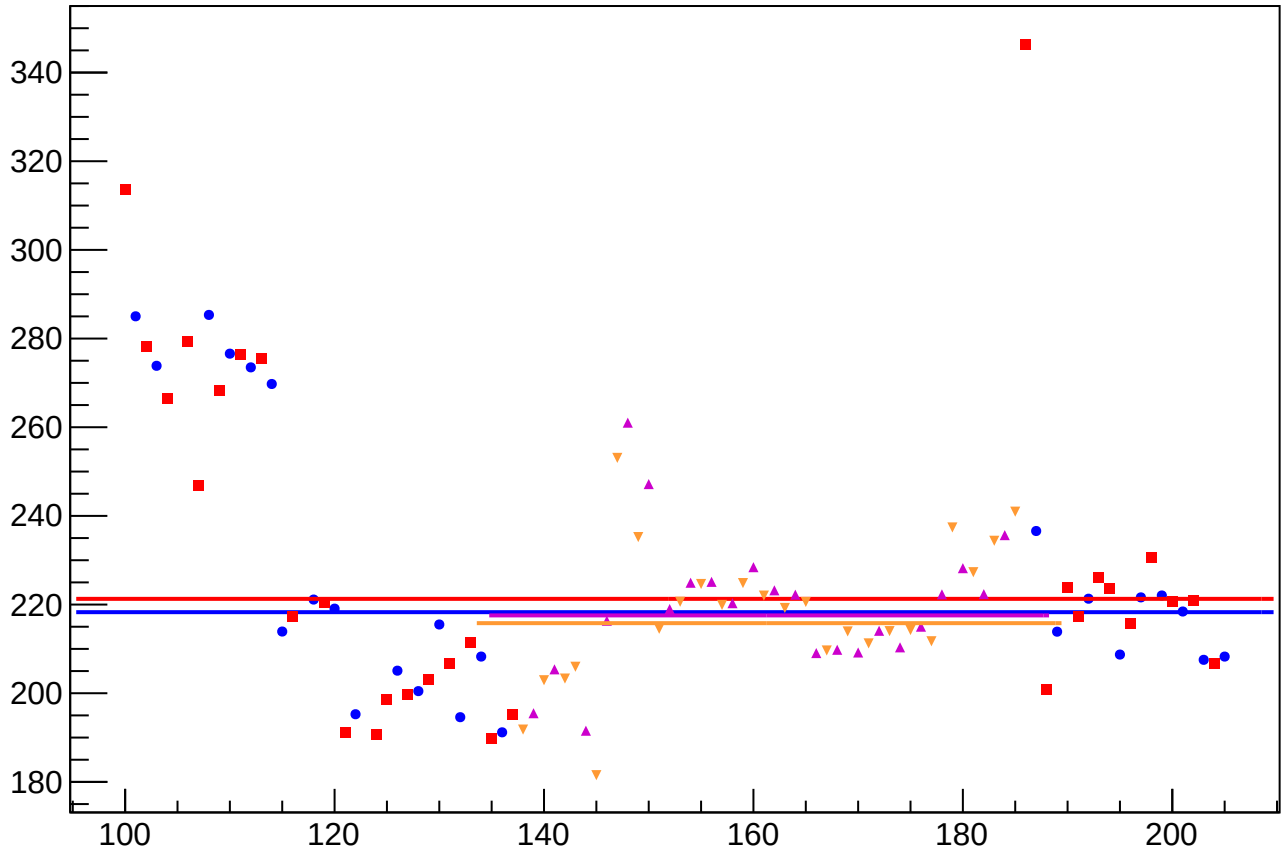
Right Out: -30.937+/-56.858 χ^2/NDF: 33.3/29

Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -116.399+/-37.636 χ^2/NDF: 72.3/49

All: -4.754+/-26.722 χ^2/NDF: 157.6/102

- sign 108.742+/-37.947 χ^2/NDF: 67.5/52



Right In: 218.284+/-0.041 χ^2/NDF: 337433.2/24

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 221.289+/-0.040 χ^2/NDF: 468510.5/29

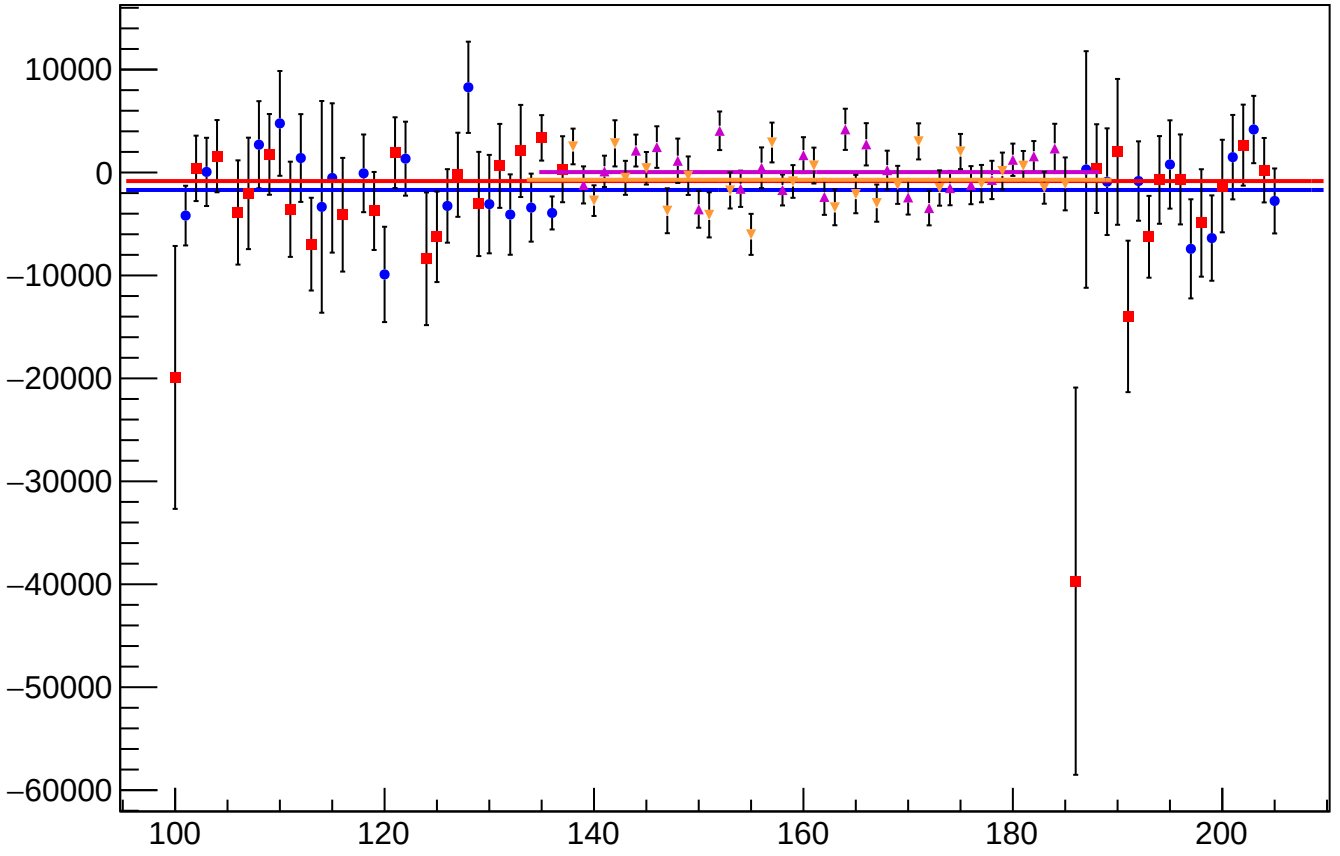
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 216.832+/-0.027 χ^2/NDF: 528235.1/49

All: 218.015+/-0.019 χ^2/NDF: 1166580.9/102

- sign 219.218+/-0.027 χ^2/NDF: 634359.9/52

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1697.510+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -831.509+/-763.883 χ^2/NDF: 26.0/29

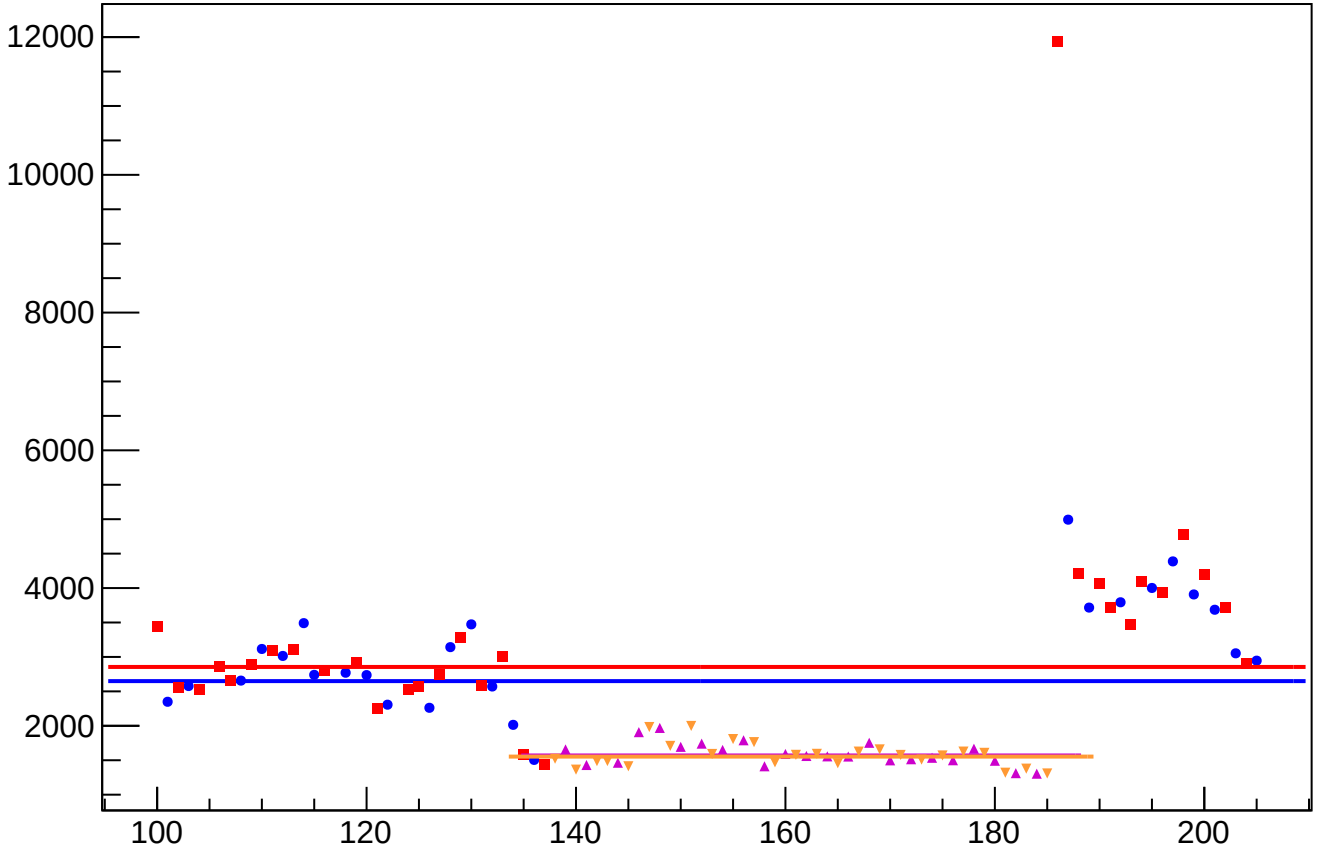
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -889.959+/-320.475 χ^2/NDF: 62.4/49

All: -521.220+/-230.635 χ^2/NDF: 126.5/102

- sign -125.073+/-332.172 χ^2/NDF: 61.4/52

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2649.048+/-0.524 χ^2/NDF: 2452724.9/24

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2854.664+/-0.540 χ^2/NDF: 2848387.1/29

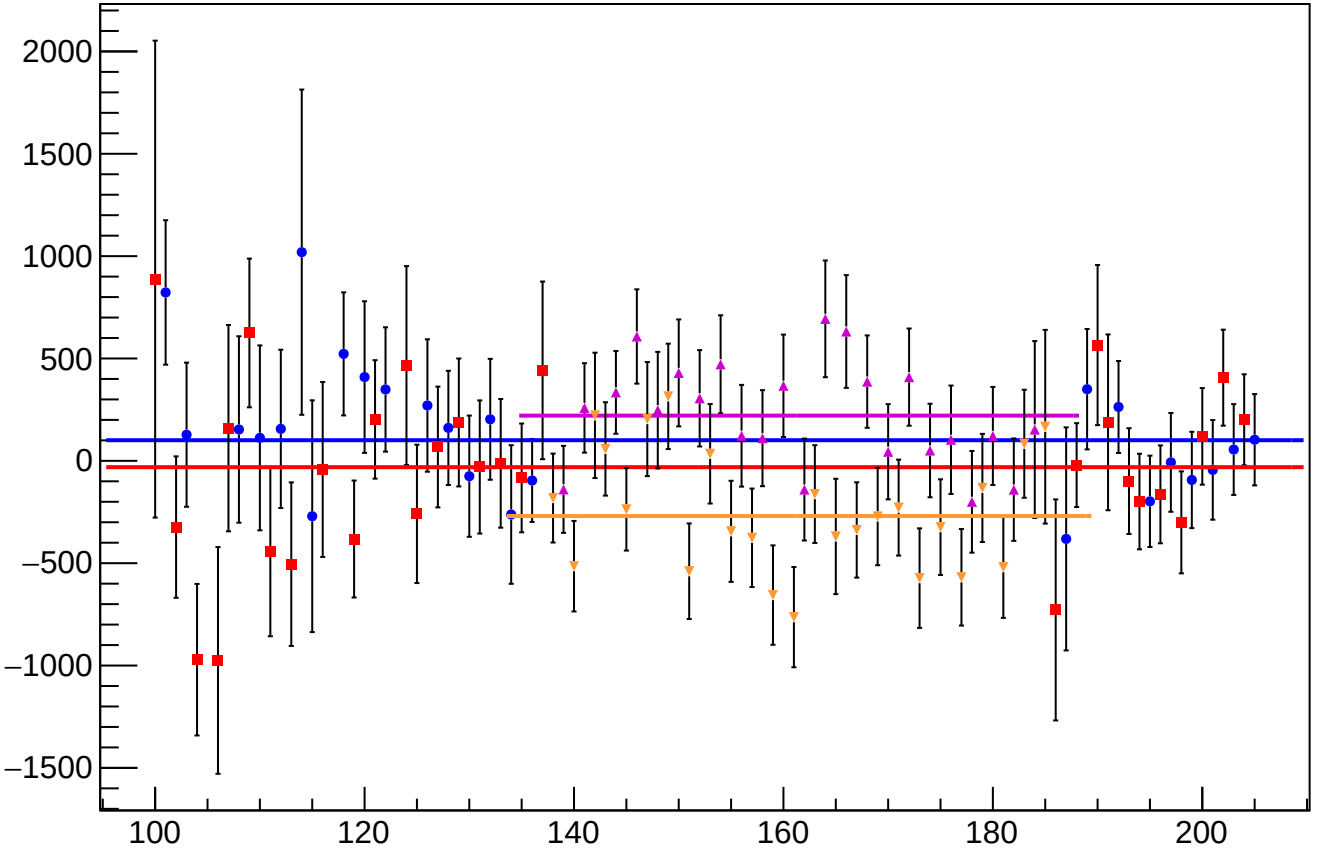
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1758.156+/-0.227 χ^2/NDF: 6421499.8/49

All: 1784.315+/-0.163 χ^2/NDF: 14246398.8/1

- sign 1812.419+/-0.235 χ^2/NDF: 7797256.3/52

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 100.716+/-58.504 χ^2/NDF: 17.3/24

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -30.938+/-56.858 χ^2/NDF: 33.3/29

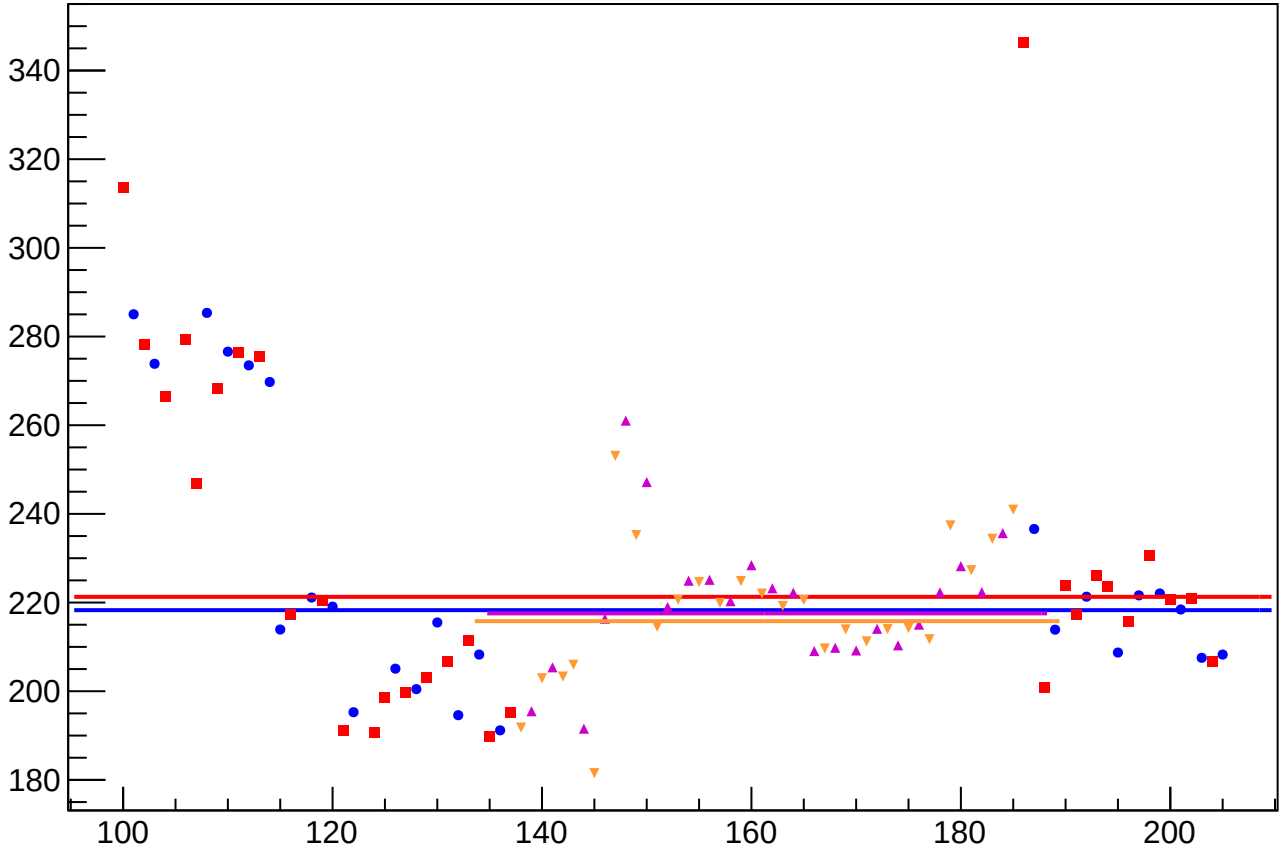
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -116.398+/-37.636 χ^2/NDF: 72.3/49

All: -4.754+/-26.722 χ^2/NDF: 157.6/102

- sign 108.742+/-37.947 χ^2/NDF: 67.5/52

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 218.284+/-0.041 χ^2/NDF: 337424.2/24

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

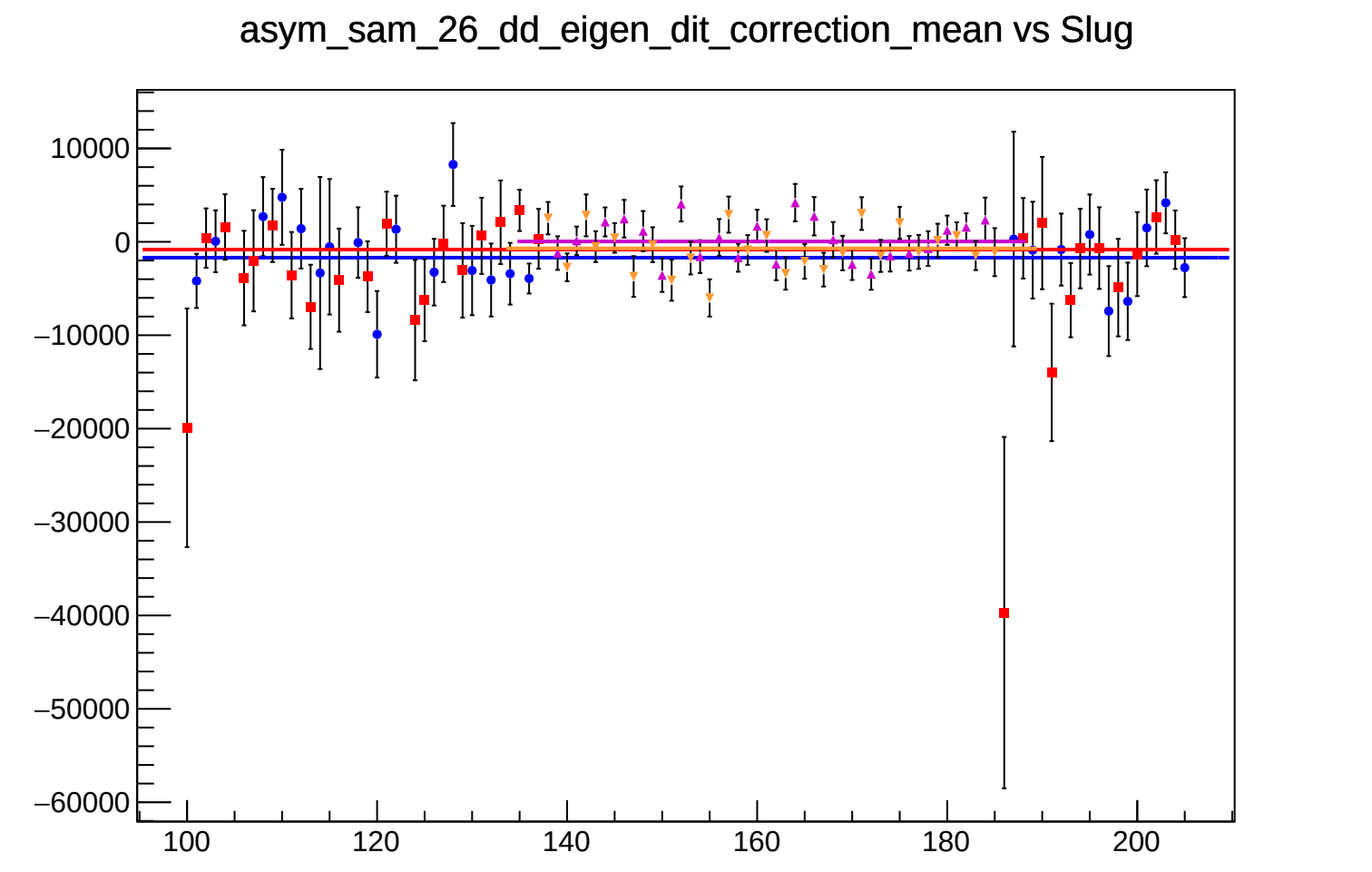
Right Out: 221.288+/-0.040 χ^2/NDF: 468493.7/29

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 216.832+/-0.027 χ^2/NDF: 528229.5/49

All: 218.015+/-0.019 χ^2/NDF: 1166560.6/102

- sign 219.218+/-0.027 χ^2/NDF: 634345.3/52



Right In: -1697.508+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -831.510+/-763.882 χ^2/NDF: 26.0/29

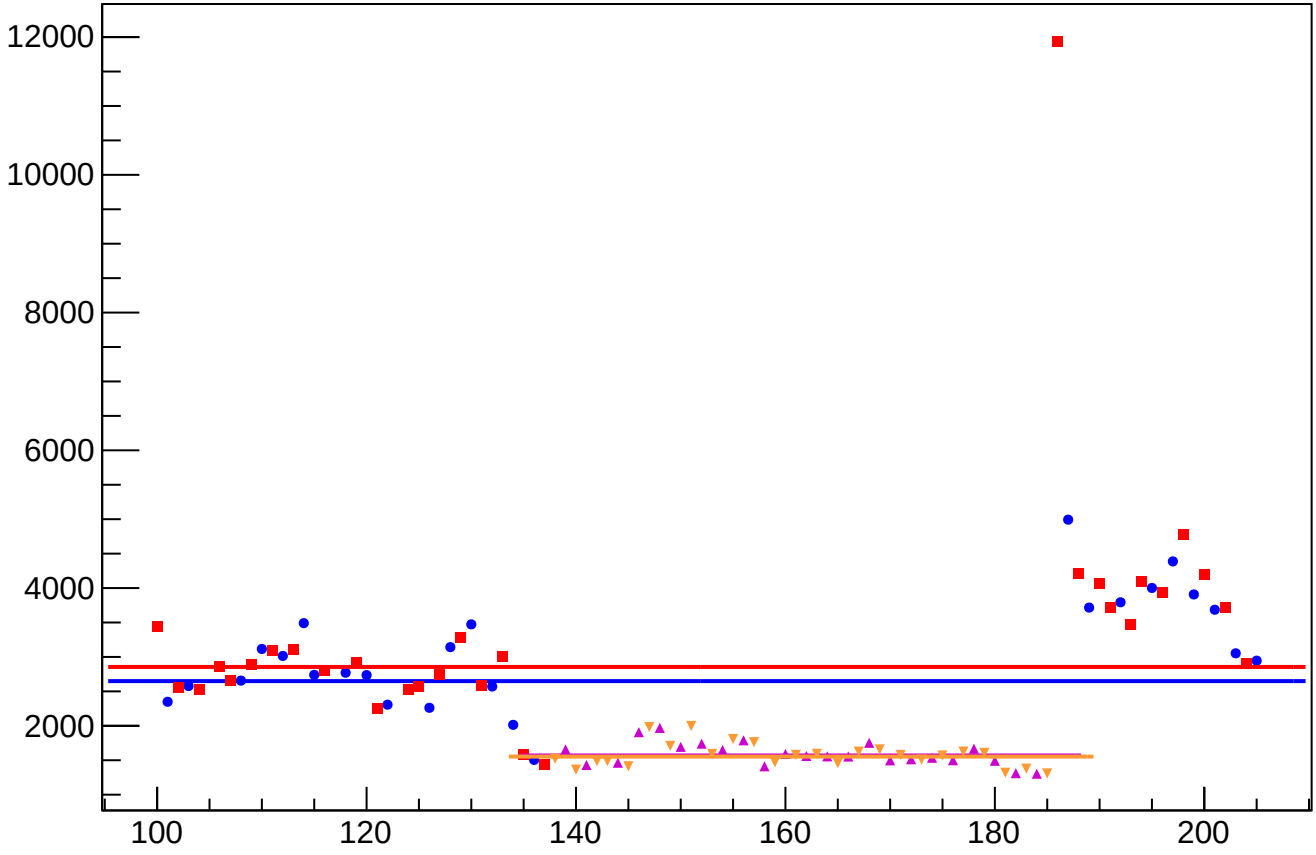
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -889.959+/-320.475 χ^2/NDF: 62.4/49

All: -521.220+/-230.635 χ^2/NDF: 126.5/102

- sign -125.074+/-332.172 χ^2/NDF: 61.4/52

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2649.045+/-0.524 χ^2/NDF: 2452721.7/24

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2854.661+/-0.540 χ^2/NDF: 2848389.7/29

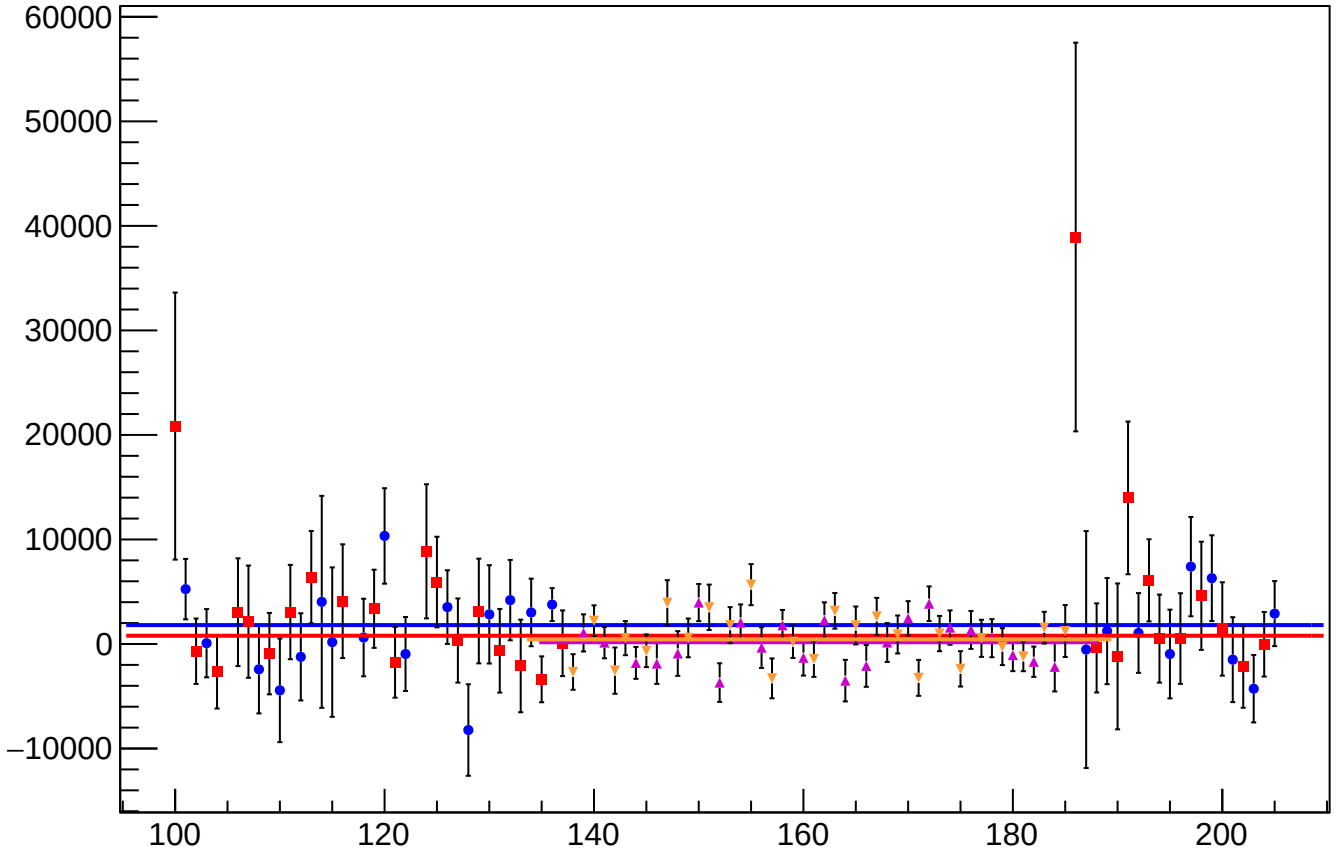
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1758.156+/-0.227 χ^2/NDF: 6421486.2/49

All: 1784.315+/-0.163 χ^2/NDF: 14246375.3/1

- sign 1812.419+/-0.235 χ^2/NDF: 7797246.8/52

asym_sam_26_dd_mean vs Slug



Right In: 1808.055+/-730.013 χ^2/NDF: 24.2/24

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 790.504+/-755.511 χ^2/NDF: 25.5/29

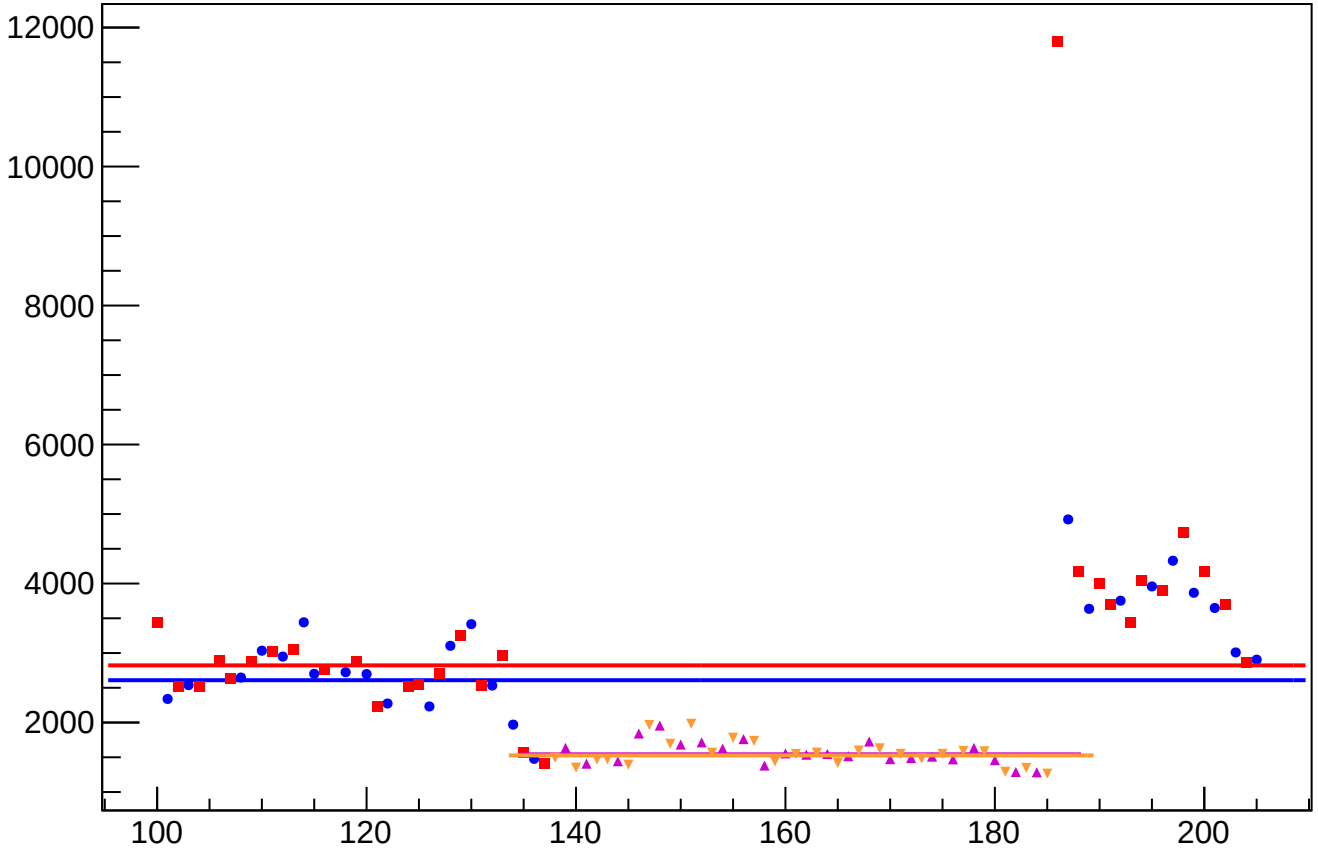
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 693.181+/-315.294 χ^2/NDF: 65.9/49

All: 496.925+/-226.926 χ^2/NDF: 125.8/102

- sign 286.003+/-326.863 χ^2/NDF: 59.1/52

asym_sam_26_dd_rms vs Slug



Right In: 2609.012+/-0.516 χ^2/NDF: 2474726.5/24

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2822.428+/-0.534 χ^2/NDF: 2858256.2/29

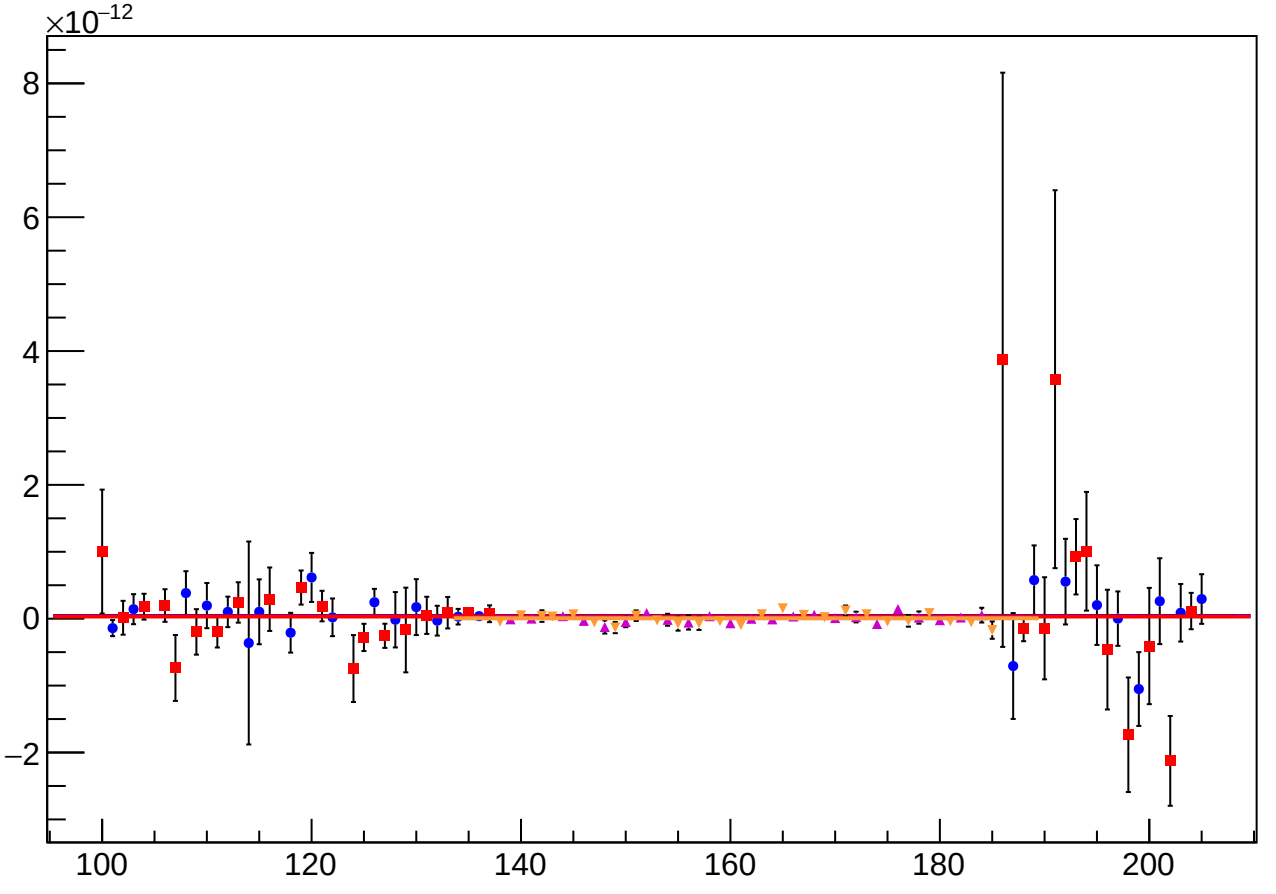
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1728.615+/-0.223 χ^2/NDF: 6480130.7/49

All: 1754.288+/-0.160 χ^2/NDF: 14395605.3/1

- sign 1781.879+/-0.231 χ^2/NDF: 7887964.4/52

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.7/29

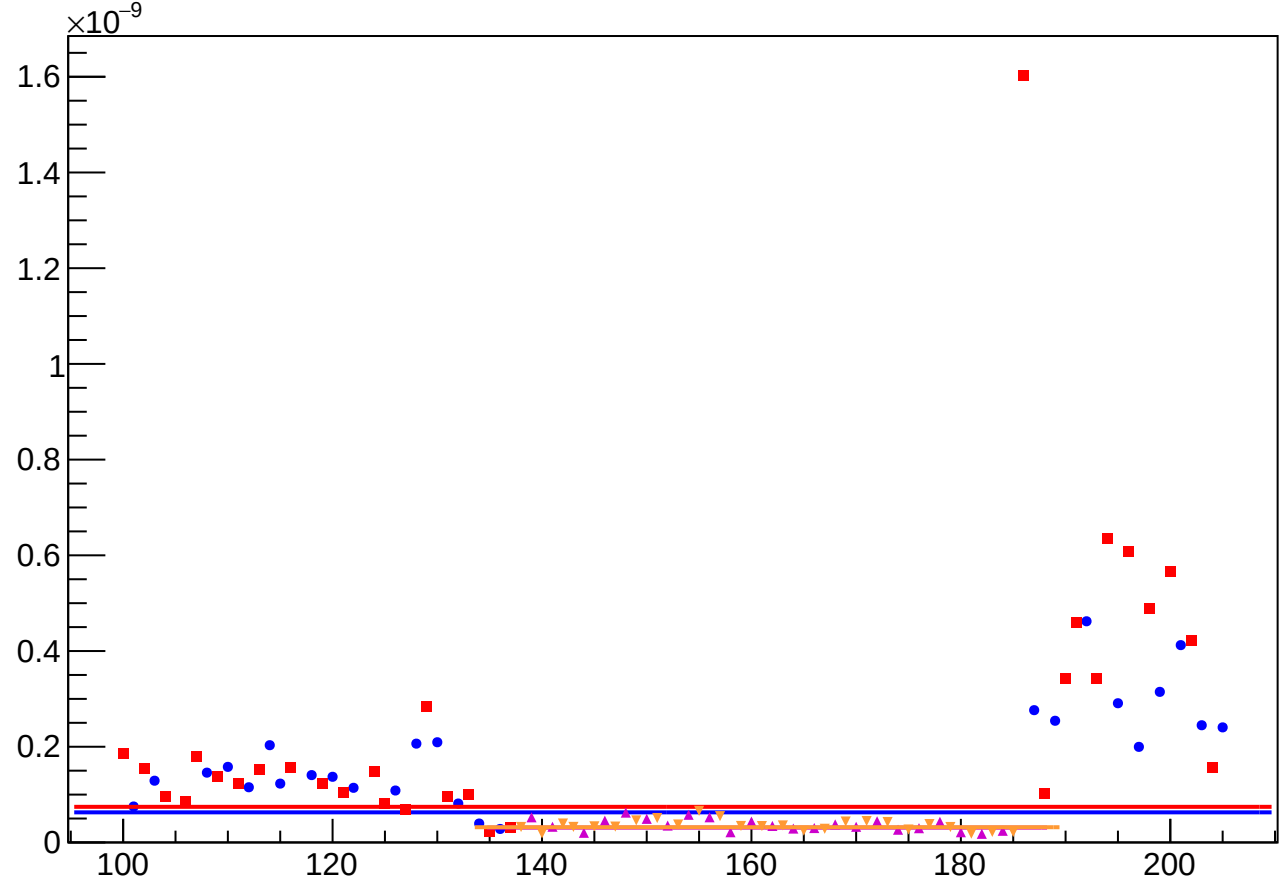
Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.2/49

All: 0.000+/-0.000 χ^2/NDF: 105.2/102

- sign 0.000+/-0.000 χ^2/NDF: 58.0/52

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6266059.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6967034.2/29

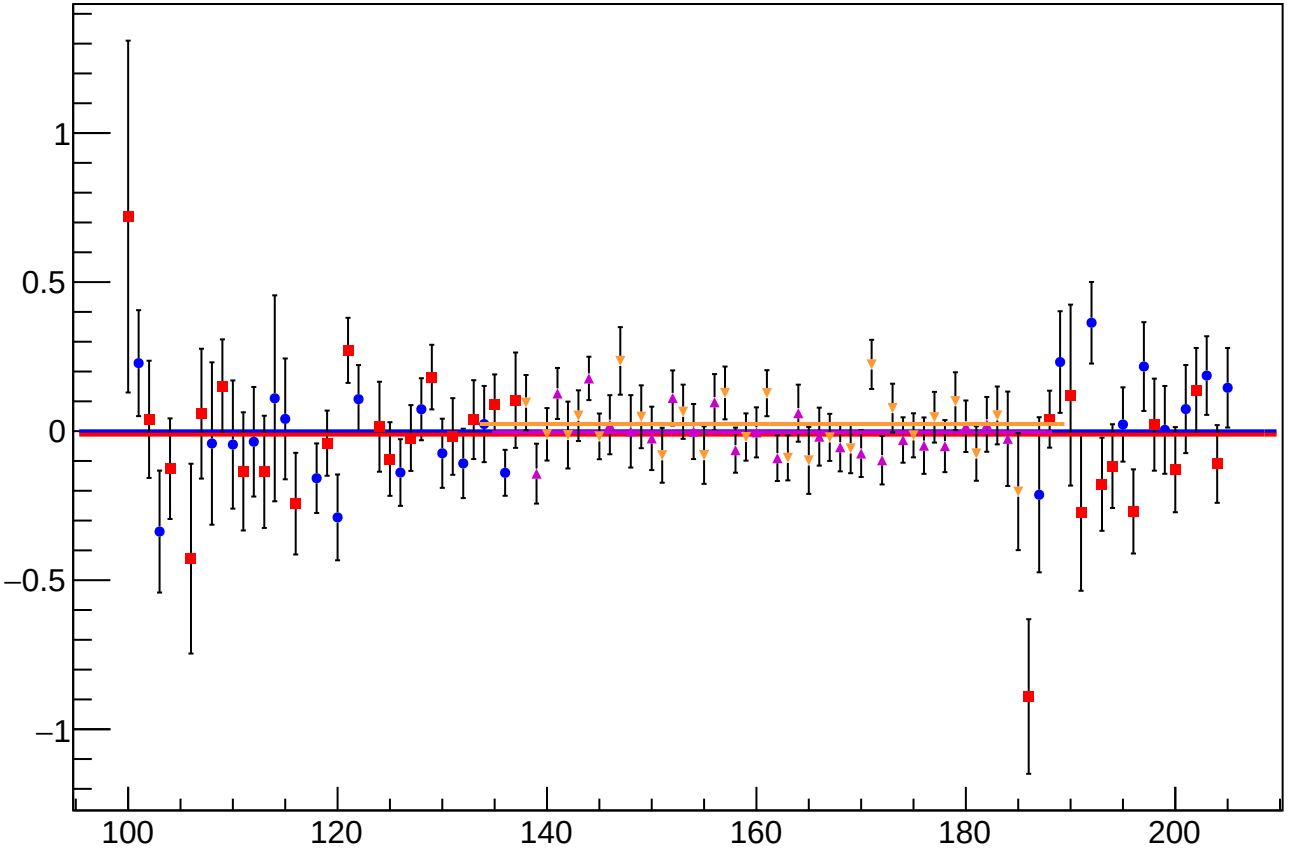
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8866781.9/49

All: 0.000+/-0.000 χ^2/NDF: 19451405.0/102

- sign 0.000+/-0.000 χ^2/NDF: 10583655.9/52

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

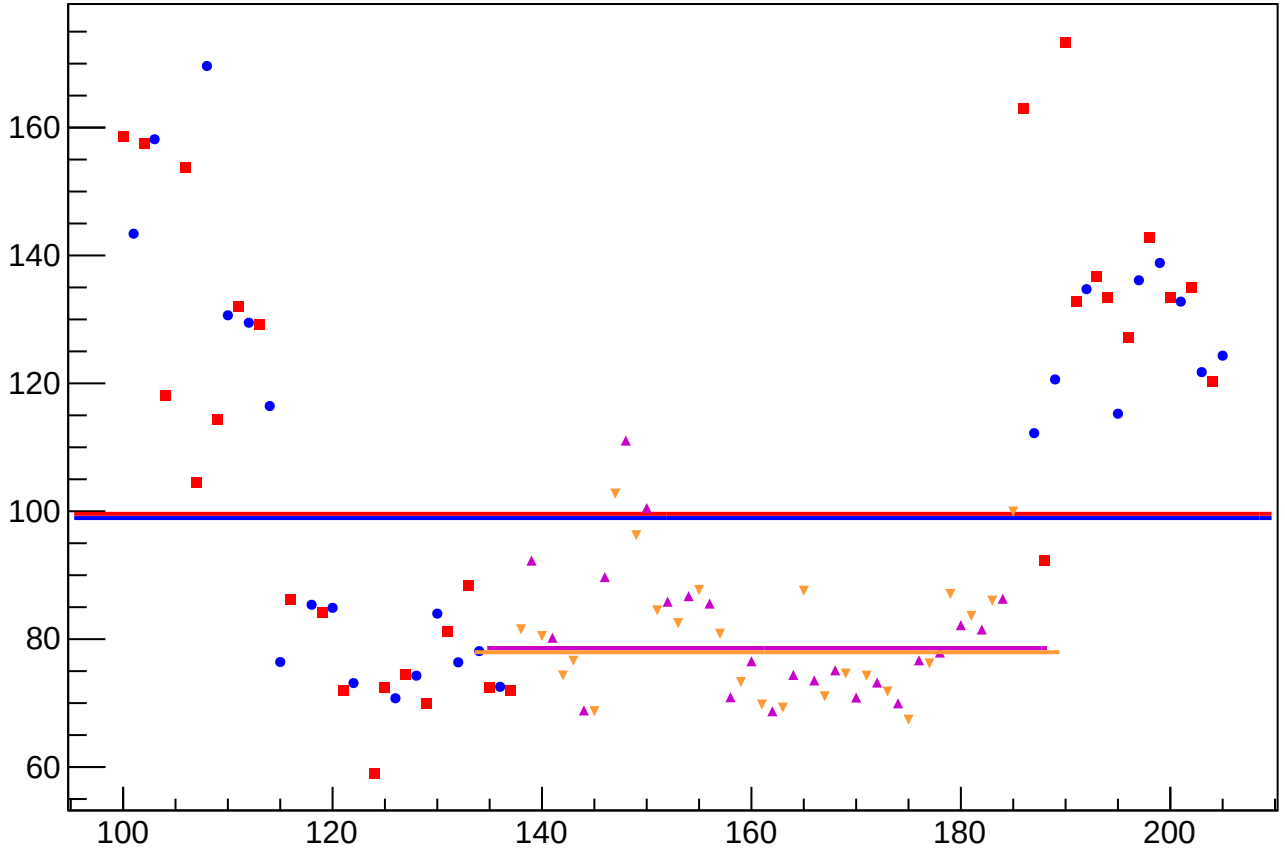
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.005+/-0.011 χ^2/NDF: 119.3/102

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

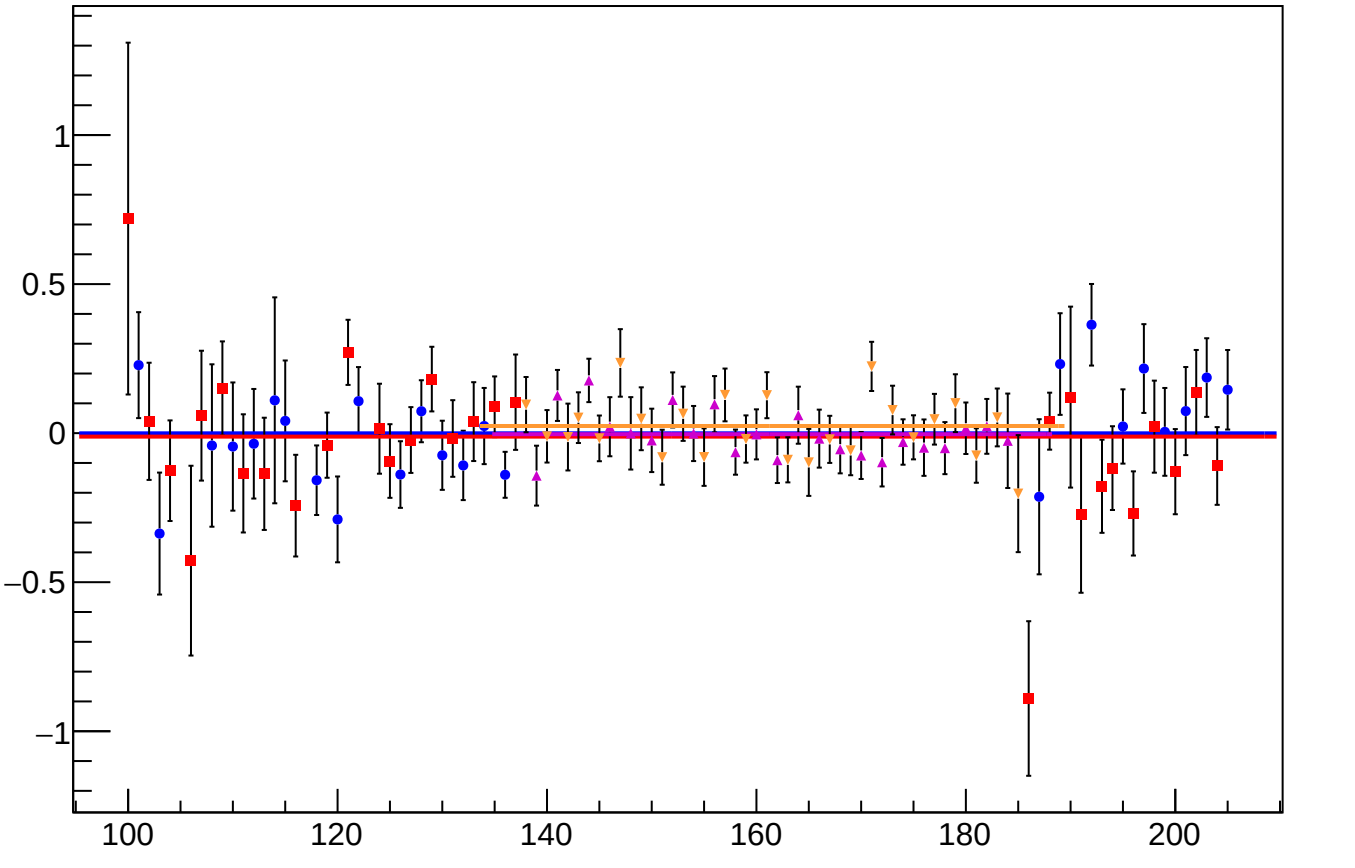
Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.168+/-0.011 χ^2/NDF: 3313456.9/49

All: 84.812+/-0.008 χ^2/NDF: 7009174.1/102

- sign 85.478+/-0.011 χ^2/NDF: 3688198.6/52



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

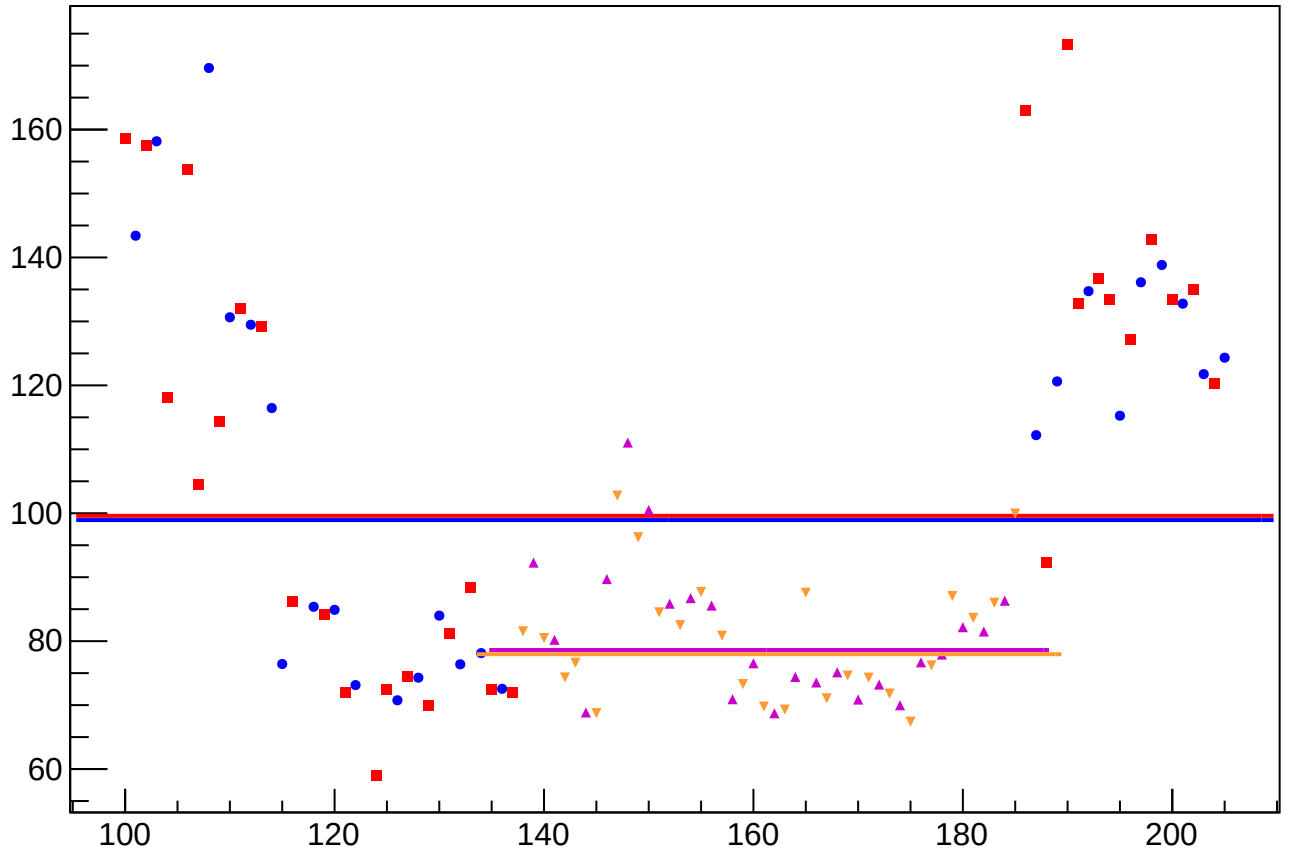
Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.005+/-0.011 χ^2/NDF: 119.3/102

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

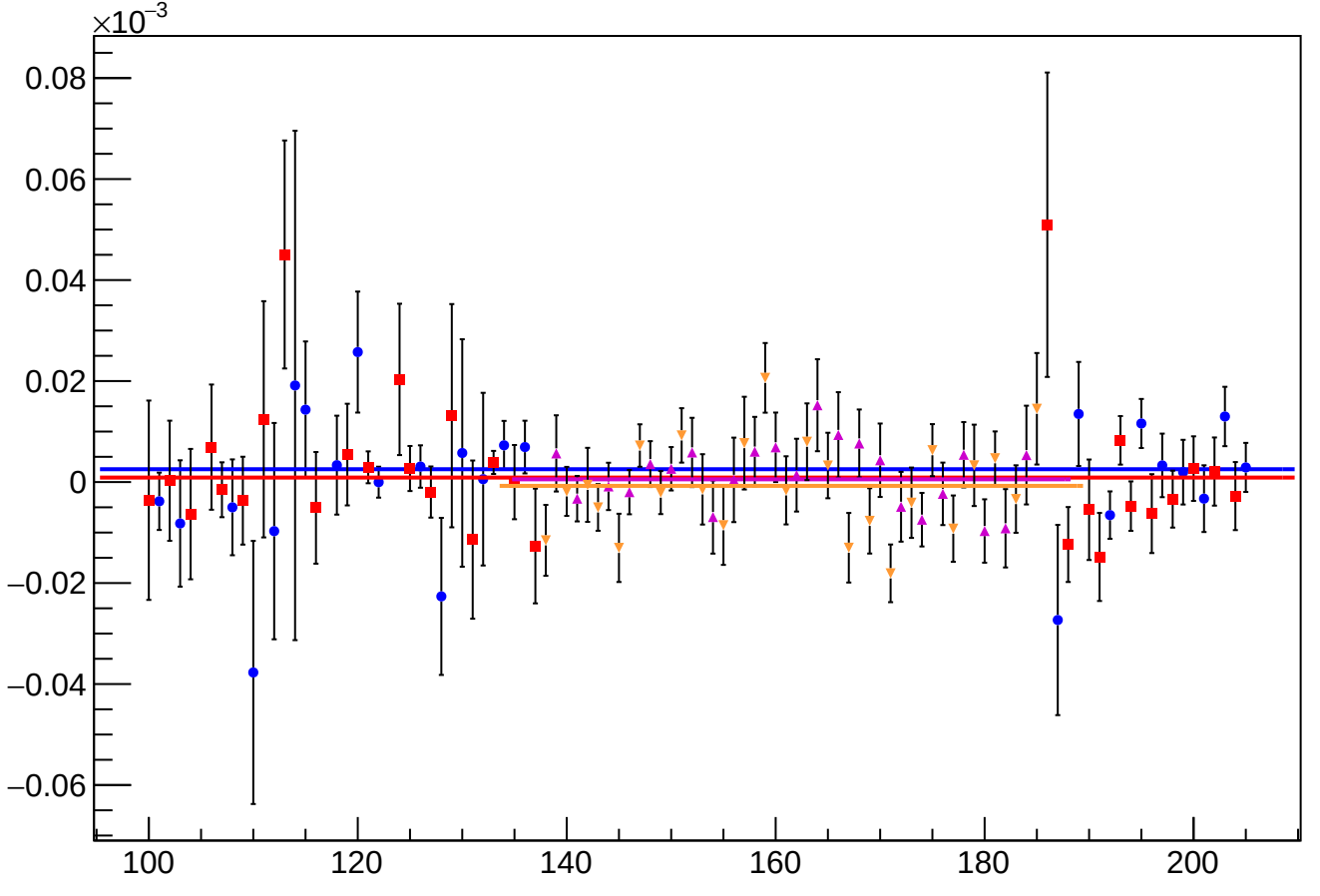
Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.168+/-0.011 χ^2/NDF: 3313456.9/49

All: 84.812+/-0.008 χ^2/NDF: 7009174.1/102

- sign 85.478+/-0.011 χ^2/NDF: 3688198.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

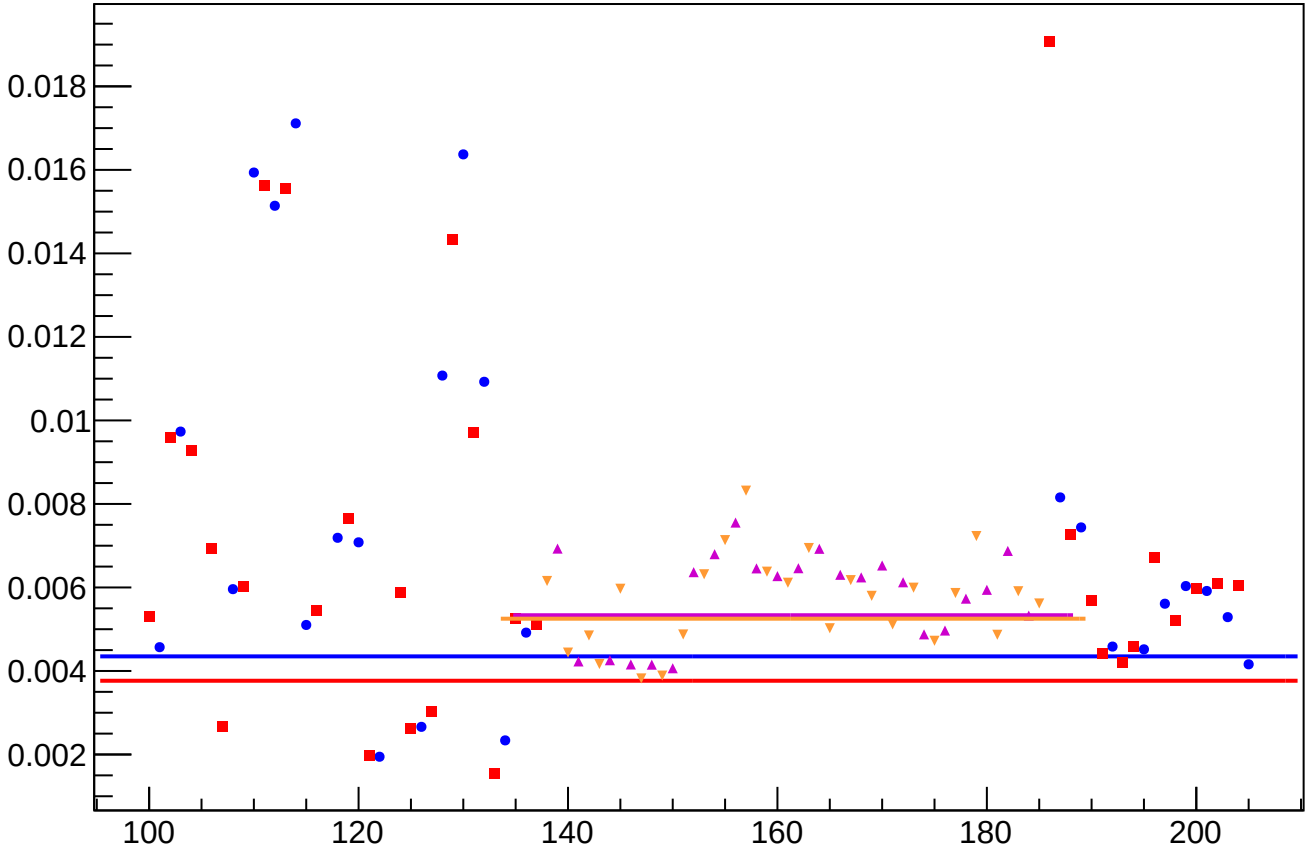
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.7/49

All: 0.000+/-0.000 χ^2/NDF: 126.8/102

- sign 0.000+/-0.000 χ^2/NDF: 46.1/52

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5558528.8/24

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

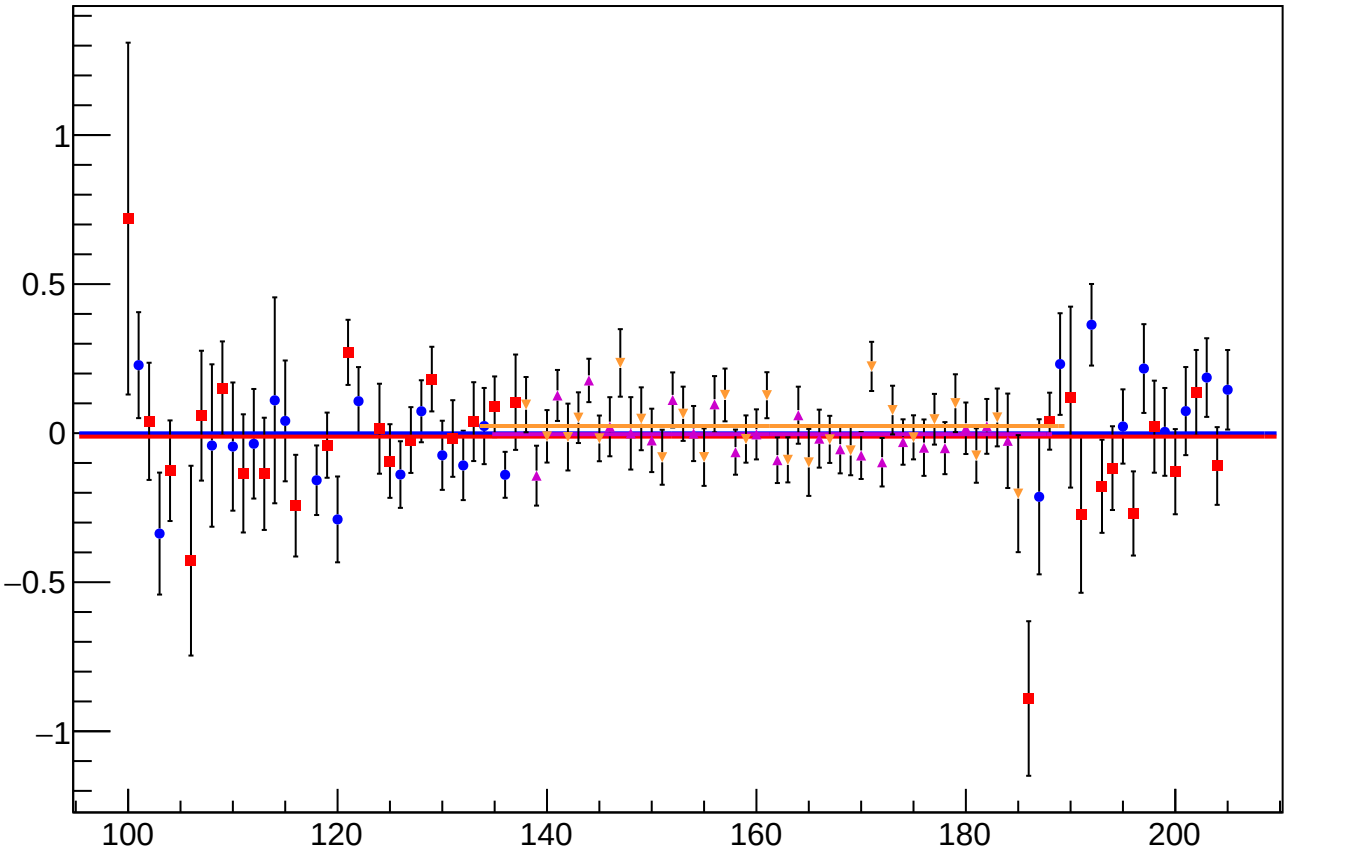
Right Out: 0.004+/-0.000 χ^2/NDF: 8447287.9/29

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7571684.5/49

All: 0.005+/-0.000 χ^2/NDF: 19360447.8/102

- sign 0.004+/-0.000 χ^2/NDF: 11613179.1/52



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

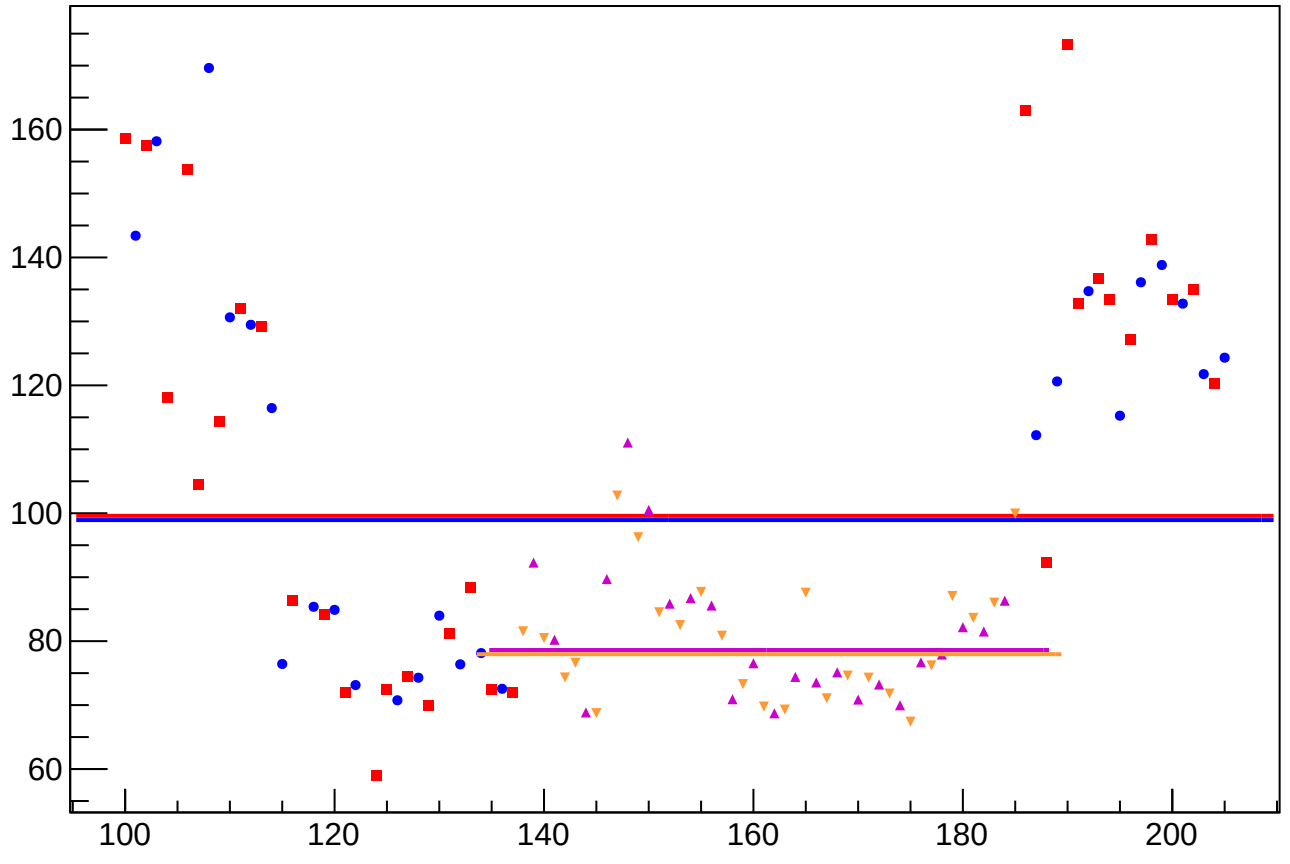
Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.005+/-0.011 χ^2/NDF: 119.3/102

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

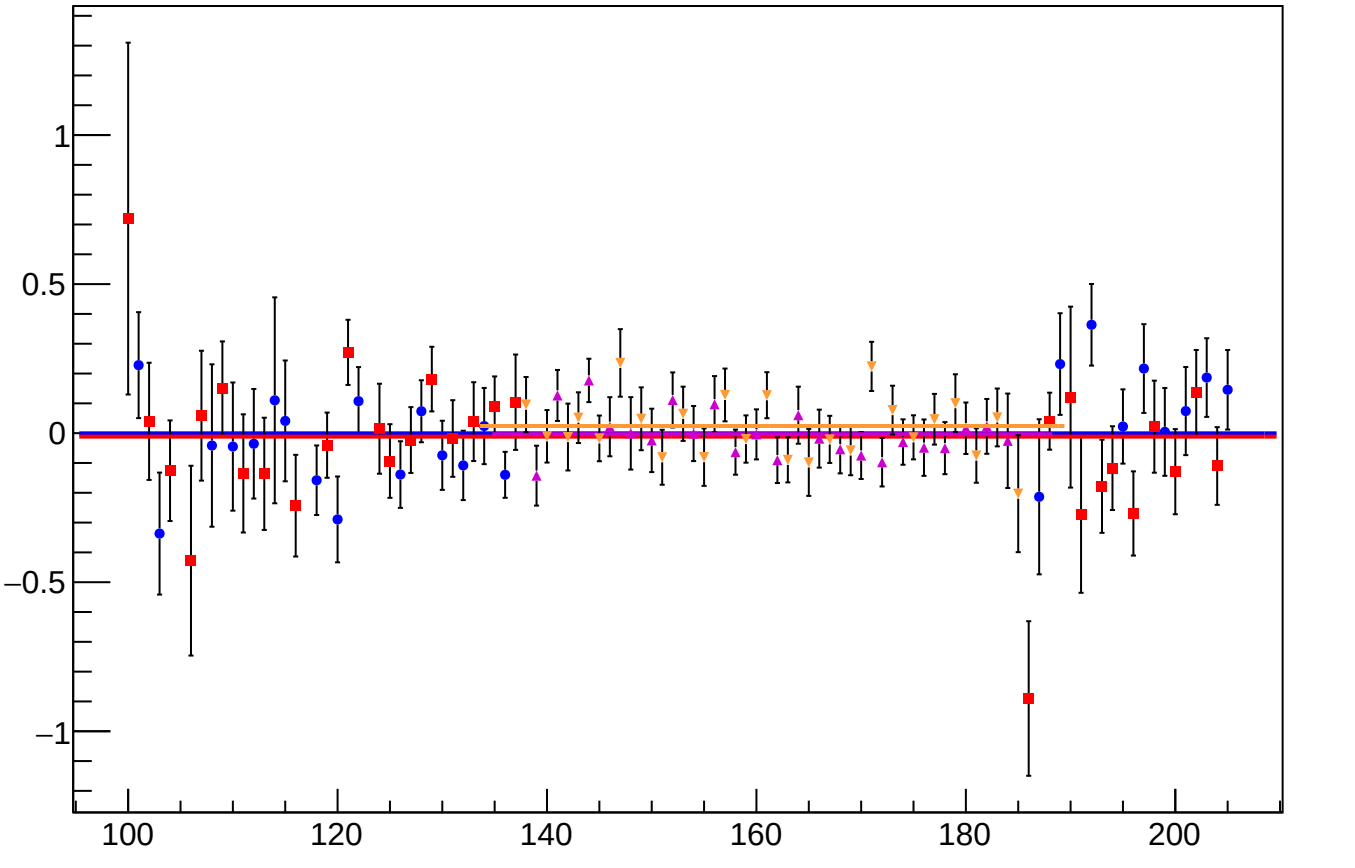
Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 84.167+/-0.011 χ^2/NDF: 3313498.7/49

All: 84.811+/-0.008 χ^2/NDF: 7009273.7/102

- sign 85.477+/-0.011 χ^2/NDF: 3688258.7/52



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

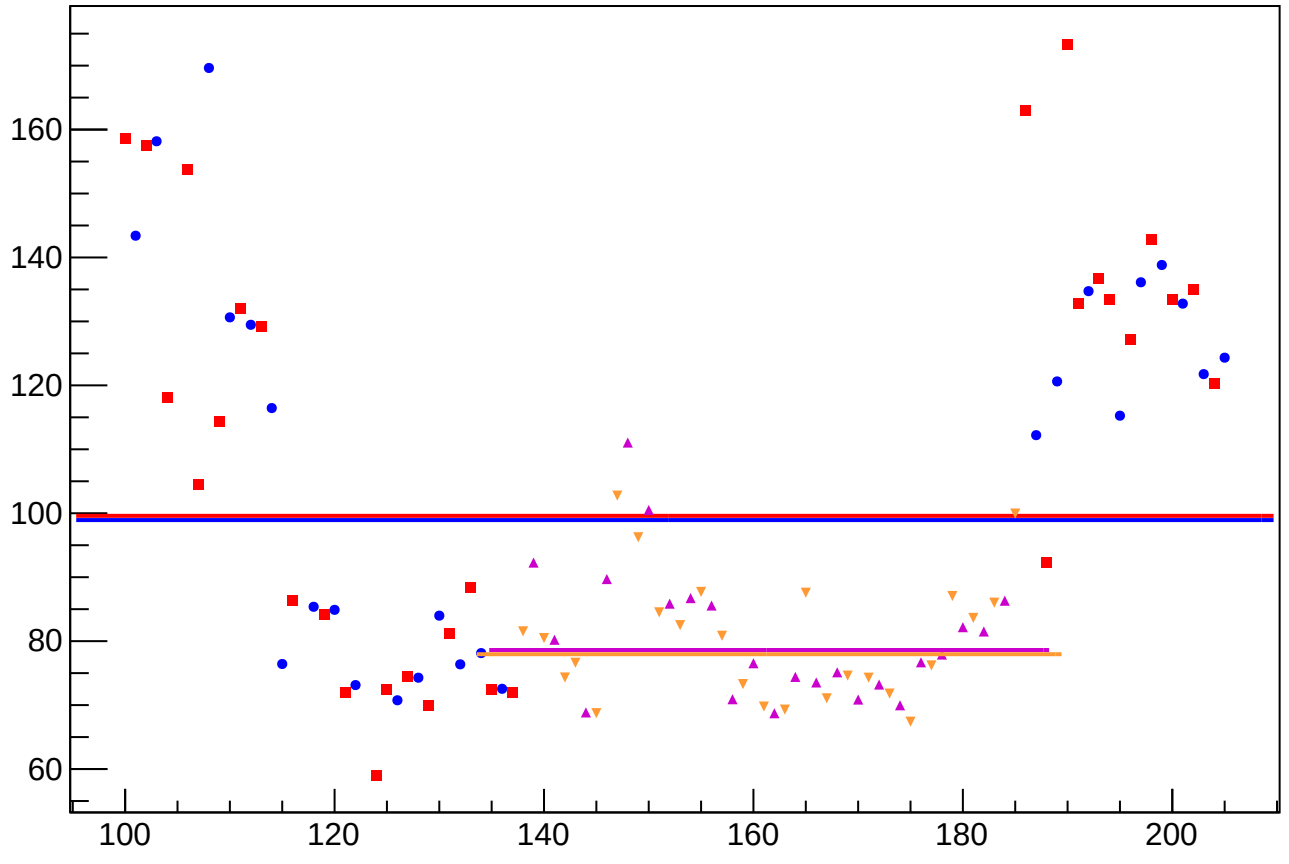
Right Out: -0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.005+/-0.011 χ^2/NDF: 119.3/102

- sign -0.006+/-0.015 χ^2/NDF: 58.9/52



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

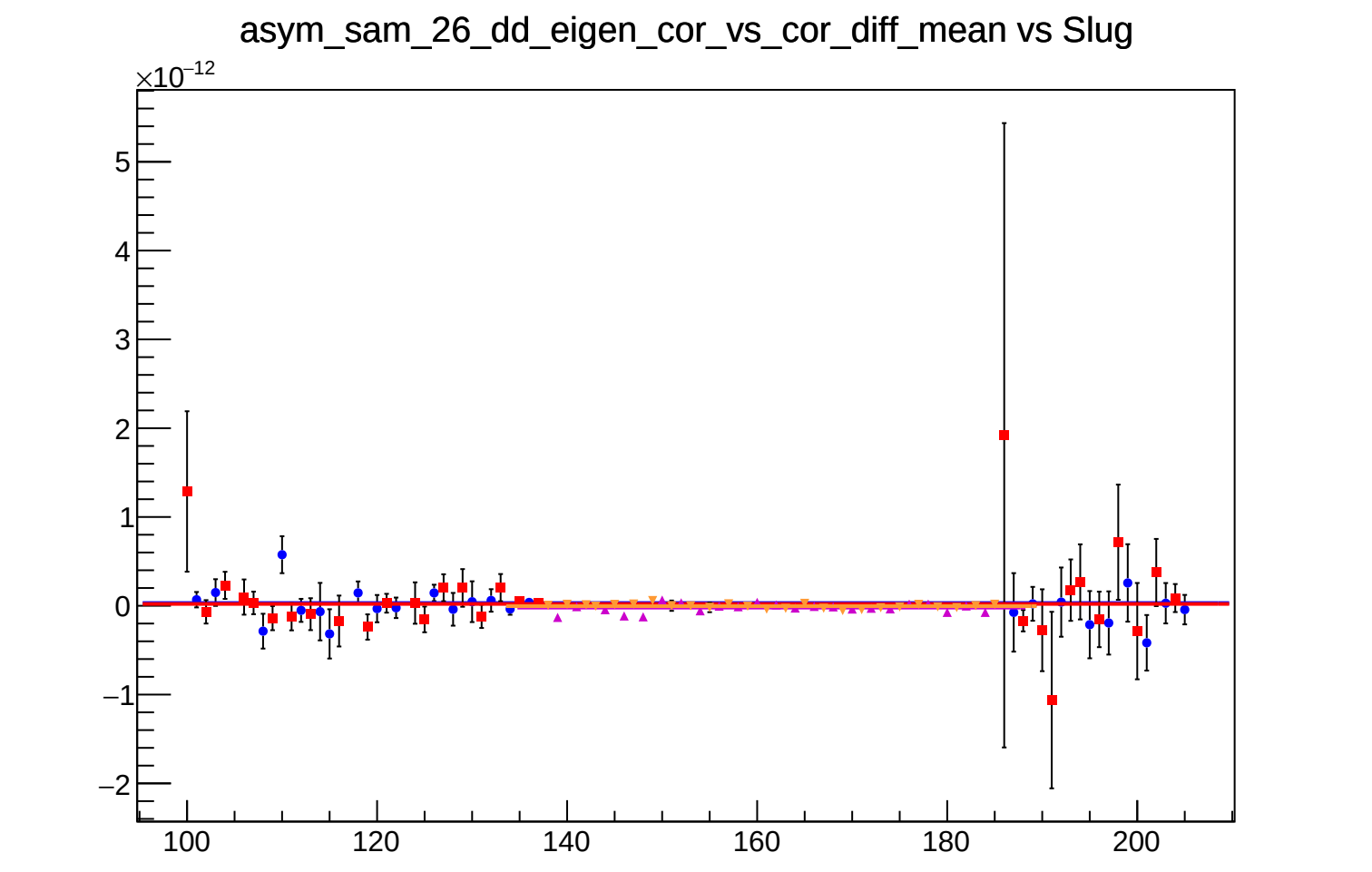
Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 84.167+/-0.011 χ^2/NDF: 3313498.7/49

All: 84.811+/-0.008 χ^2/NDF: 7009273.7/102

- sign 85.477+/-0.011 χ^2/NDF: 3688258.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

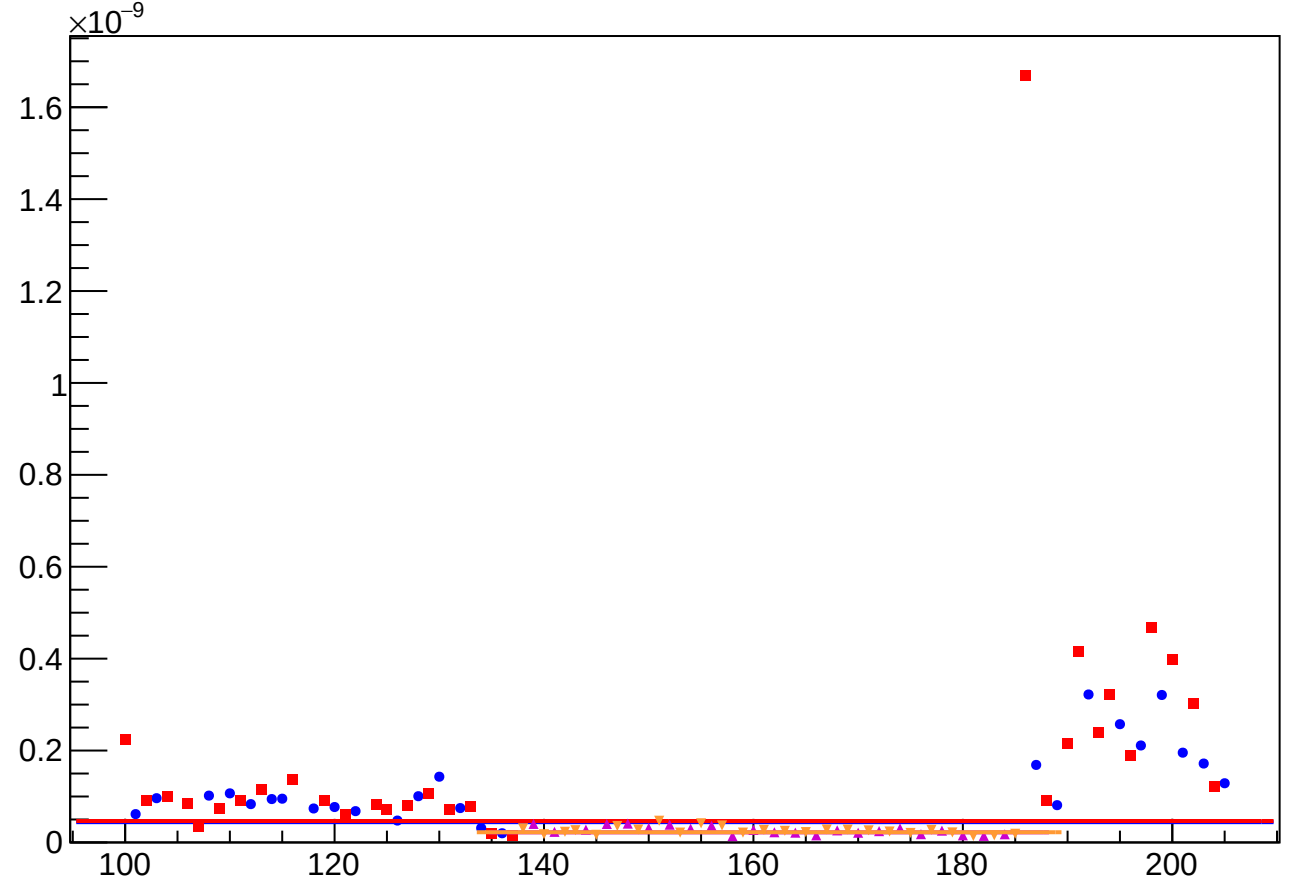
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/29

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.7/49

All: -0.000+/-0.000 χ^2/NDF: 108.5/102

- sign -0.000+/-0.000 χ^2/NDF: 69.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 8392149.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10580433.9/29

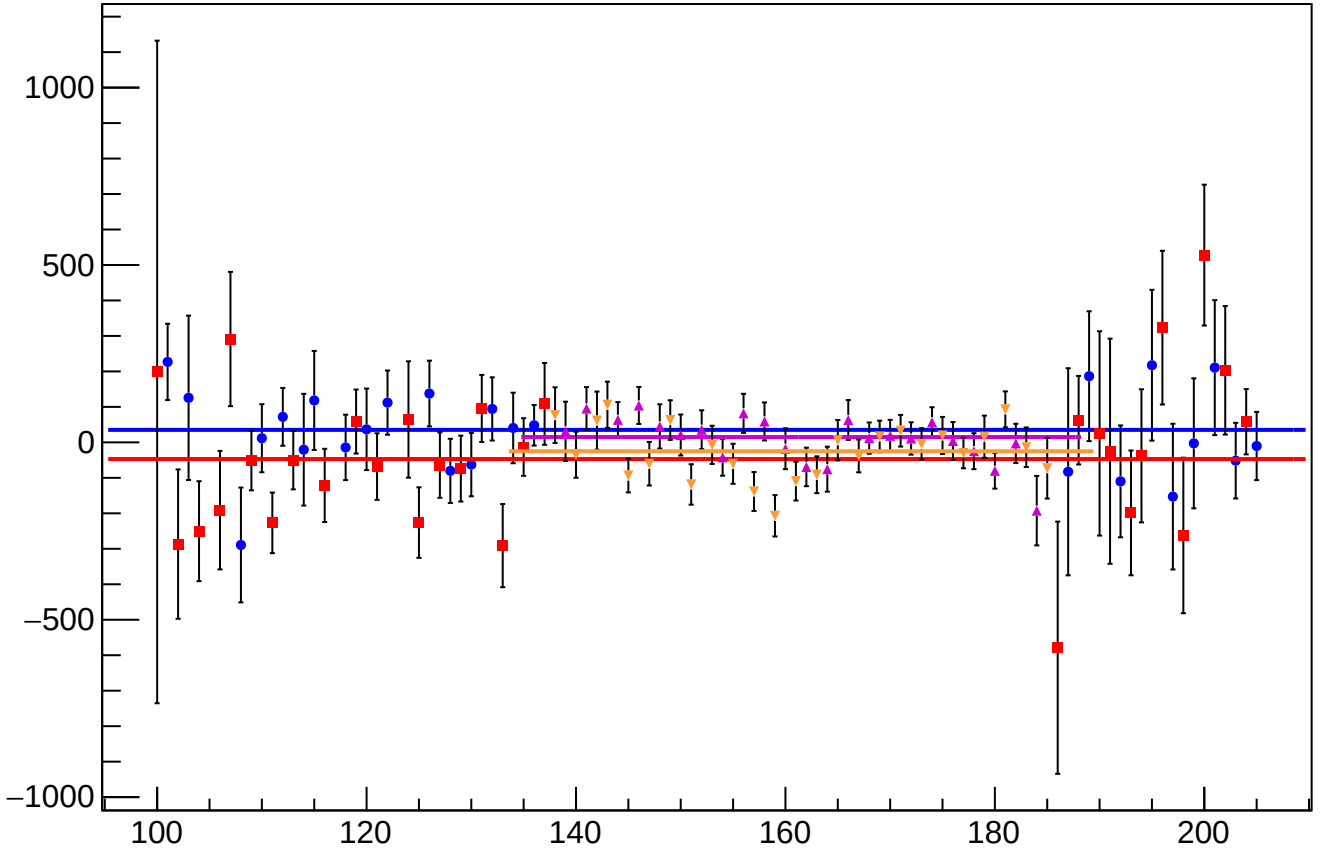
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12870607.8/49

All: 0.000+/-0.000 χ^2/NDF: 28694914.4/102

- sign 0.000+/-0.000 χ^2/NDF: 15824070.9/52

reg_asym_sam_37_dd_mean vs Slug



Right In: 35.211+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -47.017+/-22.097 χ^2/NDF: 45.5/29

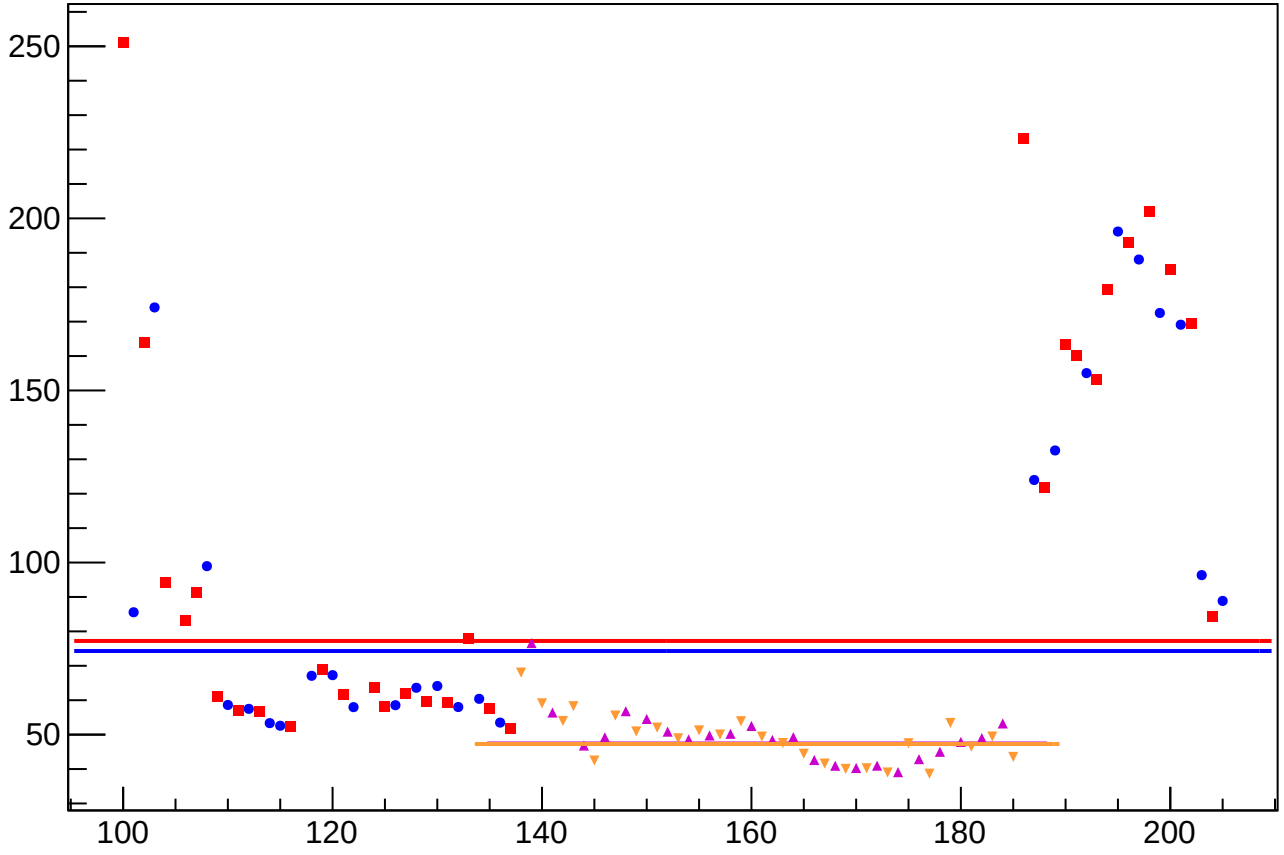
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.046+/-9.748 χ^2/NDF: 67.9/49

All: -5.577+/-6.981 χ^2/NDF: 145.5/102

- sign 2.287+/-10.003 χ^2/NDF: 76.5/52

reg_asym_sam_37_dd_rms vs Slug



Right In: 74.298+/-0.015 χ^2/NDF: 4487497.8/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 77.218+/-0.016 χ^2/NDF: 5658208.0/29

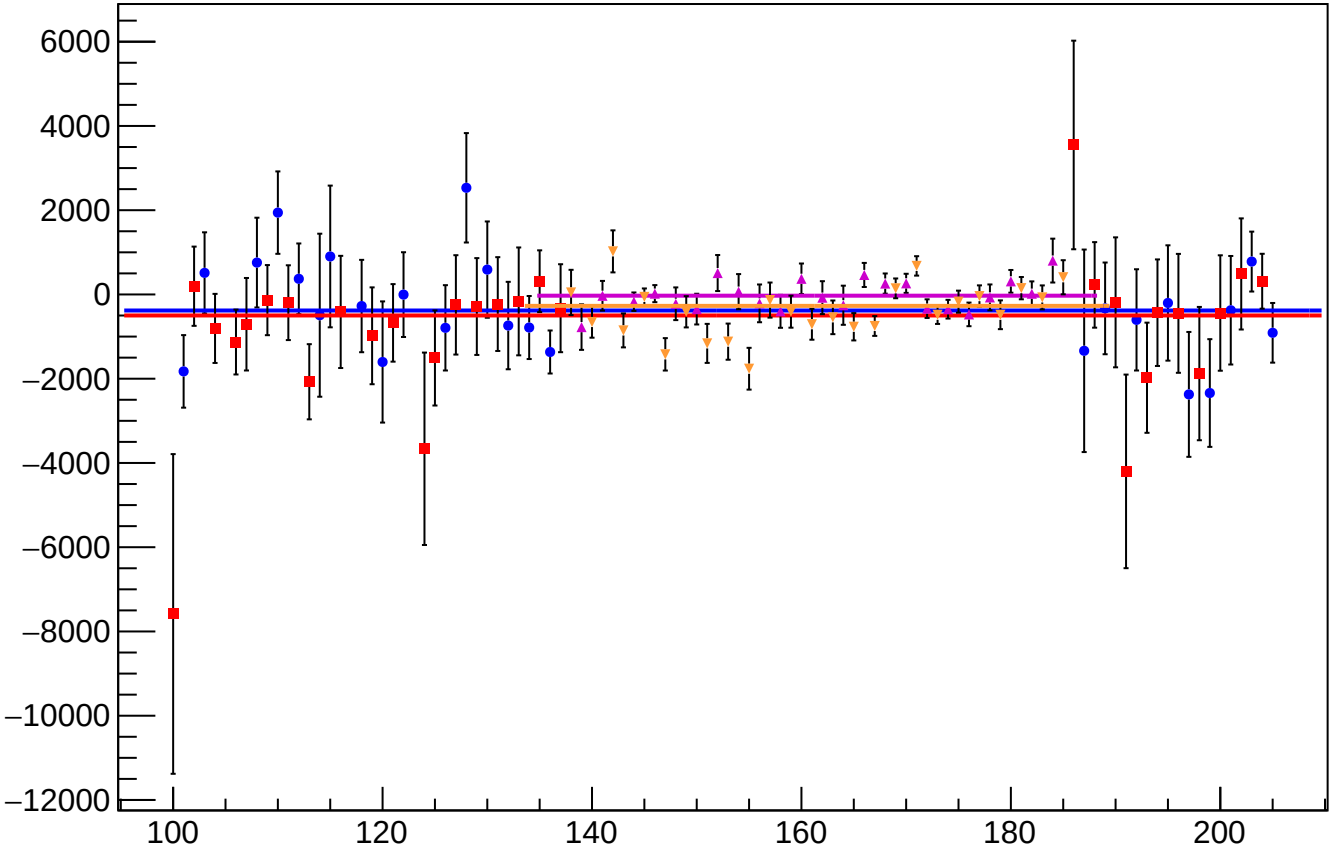
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.642+/-0.007 χ^2/NDF: 7647168.2/49

All: 53.075+/-0.005 χ^2/NDF: 16859875.2/102

- sign 53.530+/-0.007 χ^2/NDF: 9204629.5/52

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -380.891+/-198.158 χ^2/NDF: 30.4/24

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -498.869+/-197.494 χ^2/NDF: 22.7/29

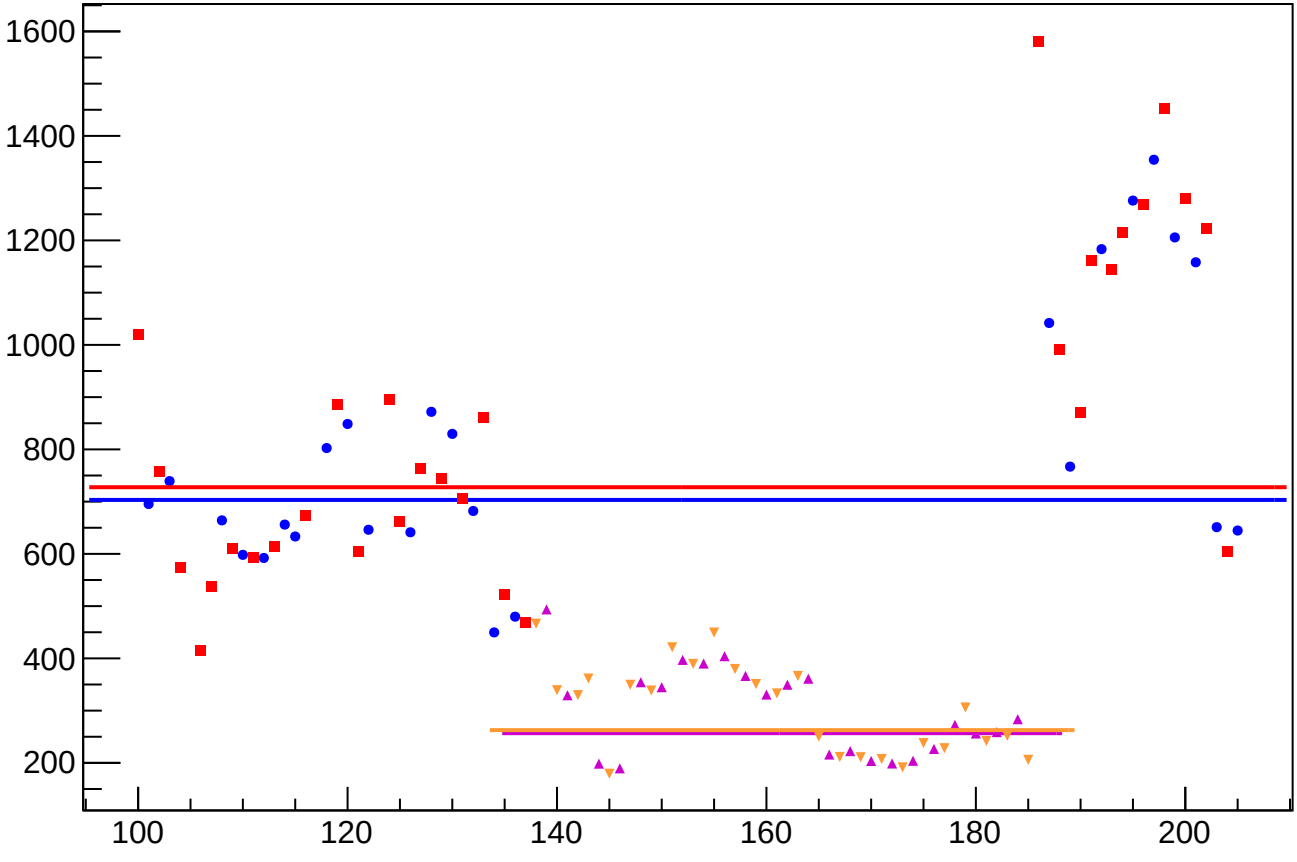
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -280.927+/-59.472 χ^2/NDF: 104.5/49

All: -177.009+/-42.146 χ^2/NDF: 162.9/102

- sign -72.168+/-59.735 χ^2/NDF: 52.2/52

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 703.282+/-0.140 χ^2/NDF: 2475580.8/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 727.594+/-0.140 χ^2/NDF: 3344649.2/29

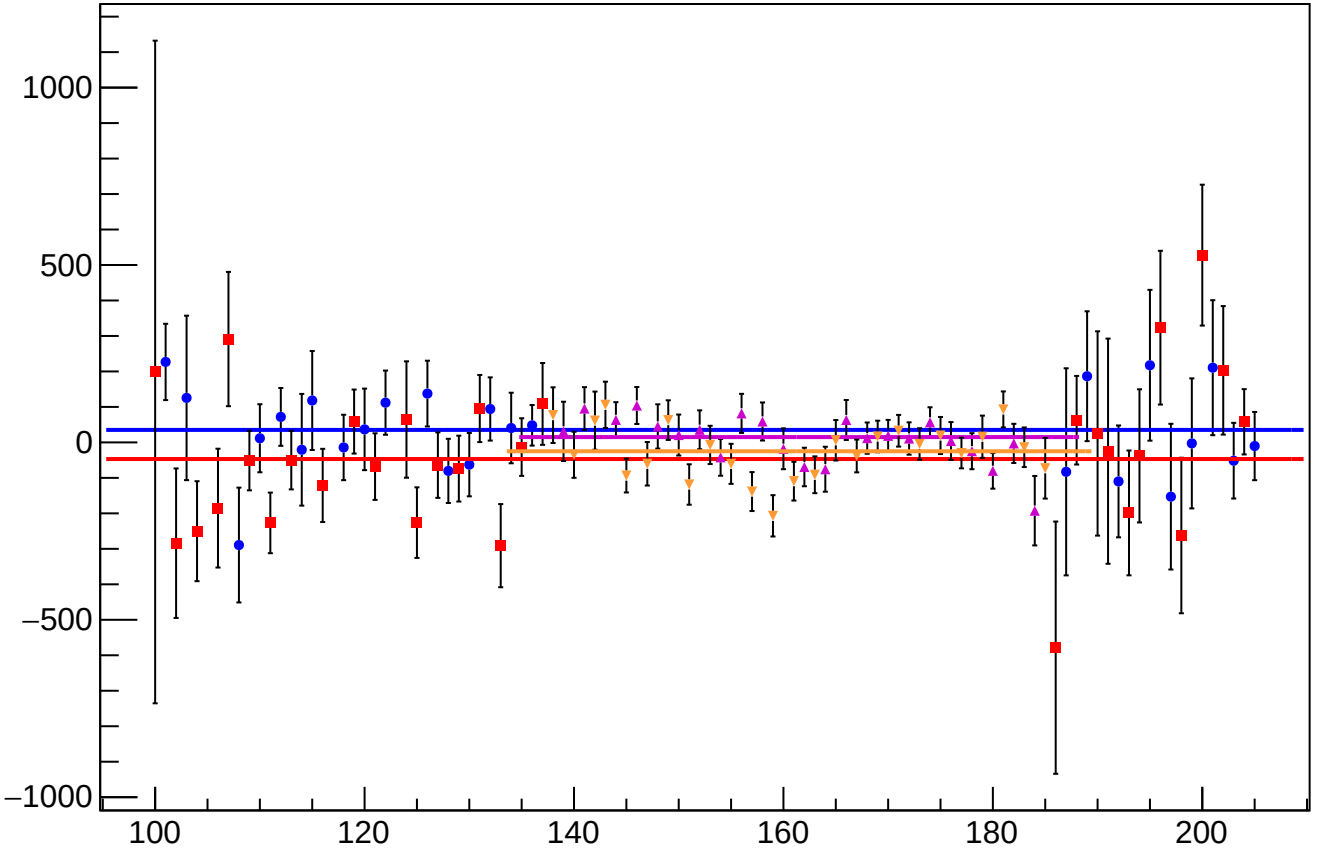
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 302.366+/-0.042 χ^2/NDF: 14366040.6/49

All: 301.143+/-0.030 χ^2/NDF: 30675382.0/10

- sign 299.909+/-0.042 χ^2/NDF: 16307643.1/52

cor_asym_sam_37_dd_mean vs Slug



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -46.867+/-22.098 χ^2/NDF: 45.4/29

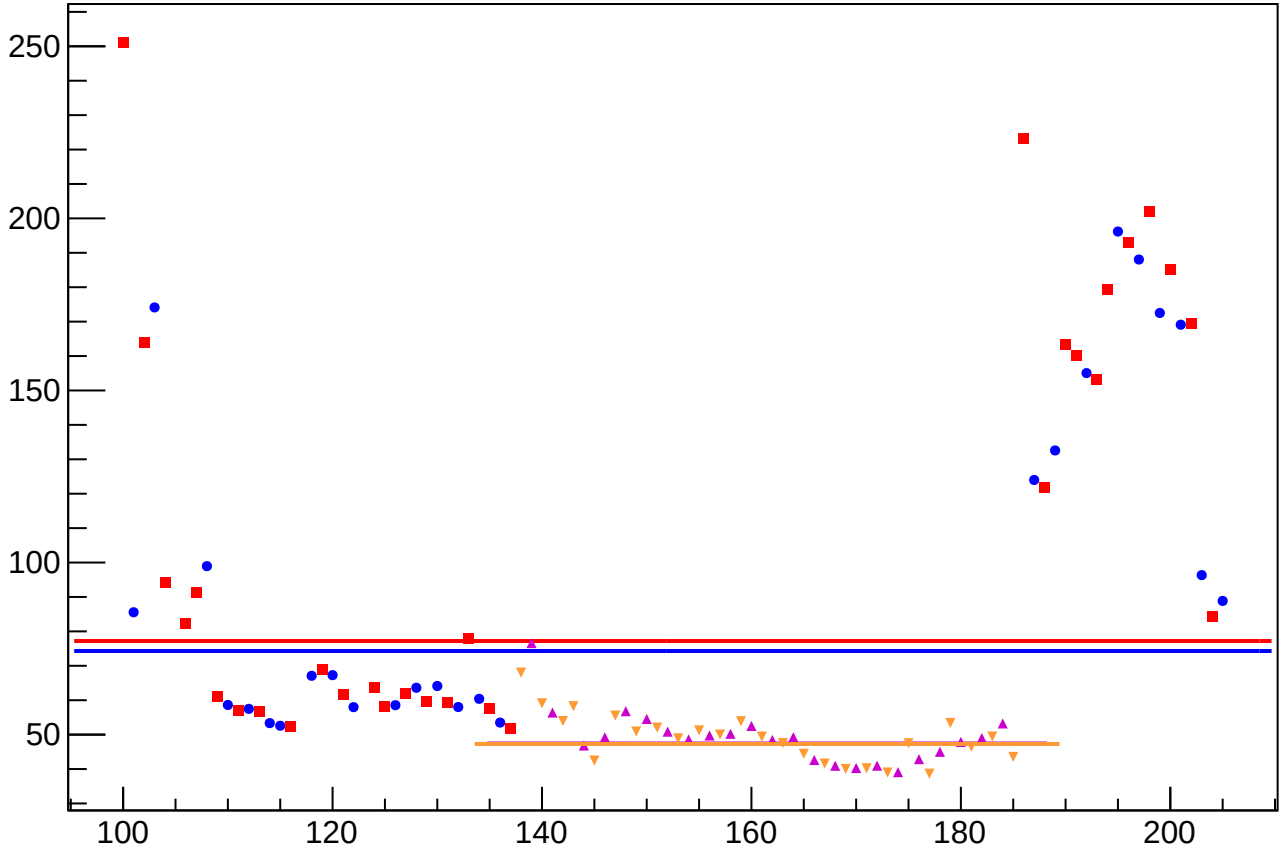
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.045+/-9.748 χ^2/NDF: 67.8/49

All: -5.562+/-6.981 χ^2/NDF: 145.4/102

- sign 2.318+/-10.003 χ^2/NDF: 76.4/52

cor_asym_sam_37_dd_rms vs Slug



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

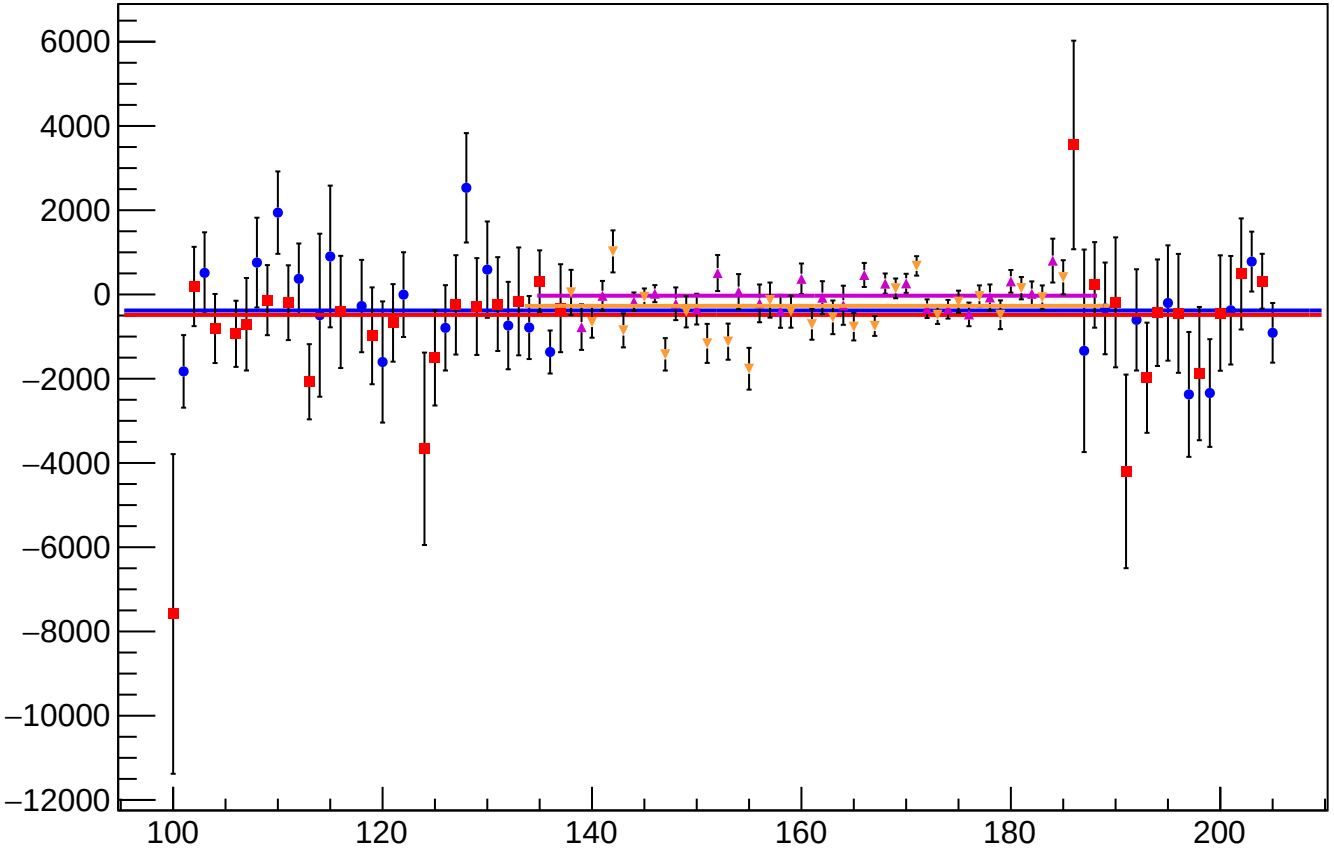
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.642+/-0.007 χ^2/NDF: 7647170.0/49

All: 53.073+/-0.005 χ^2/NDF: 16855364.6/102

- sign 53.526+/-0.007 χ^2/NDF: 9200194.5/52

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -485.285+/-197.757 χ^2/NDF: 22.3/29

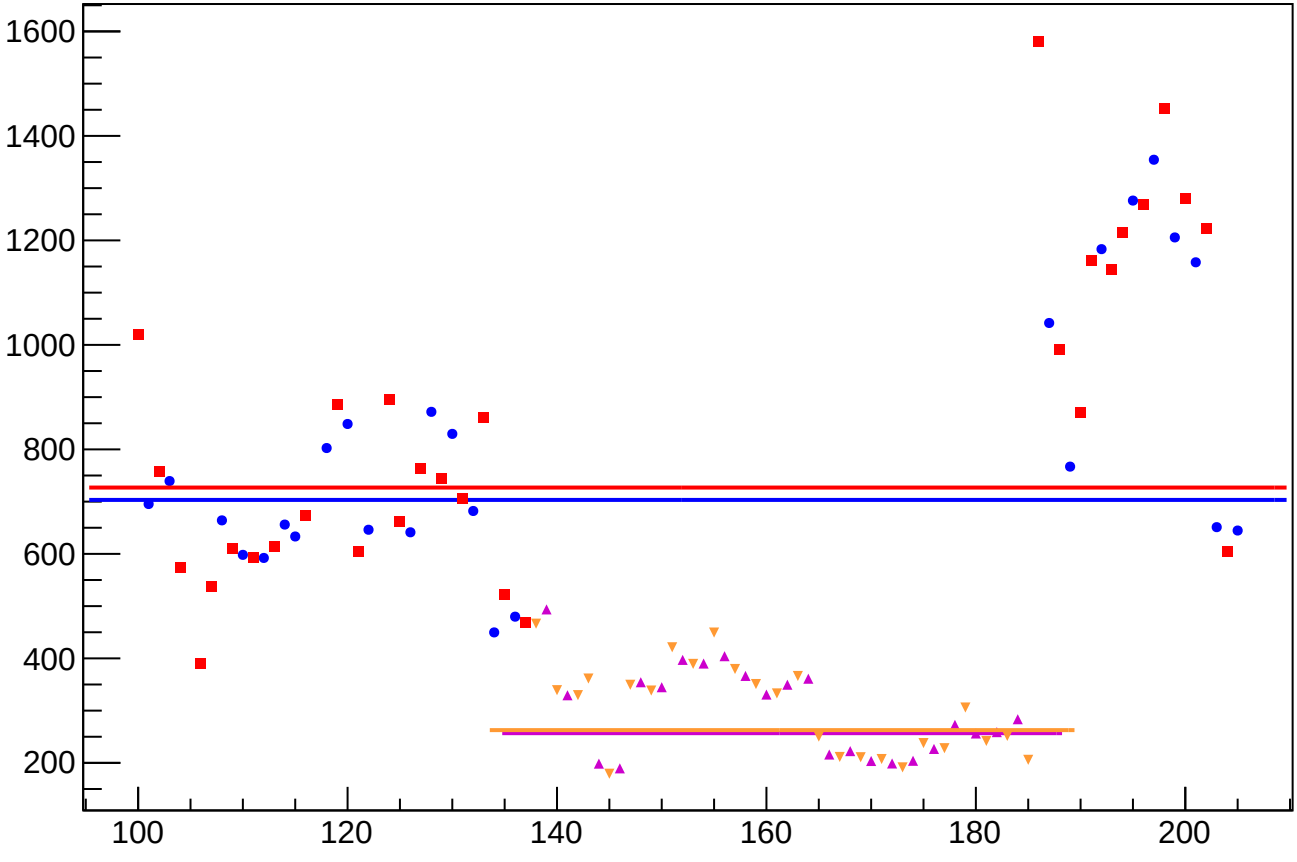
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -280.922+/-59.472 χ^2/NDF: 104.5/49

All: -176.351+/-42.148 χ^2/NDF: 162.3/102

- sign -70.826+/-59.742 χ^2/NDF: 51.5/52

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

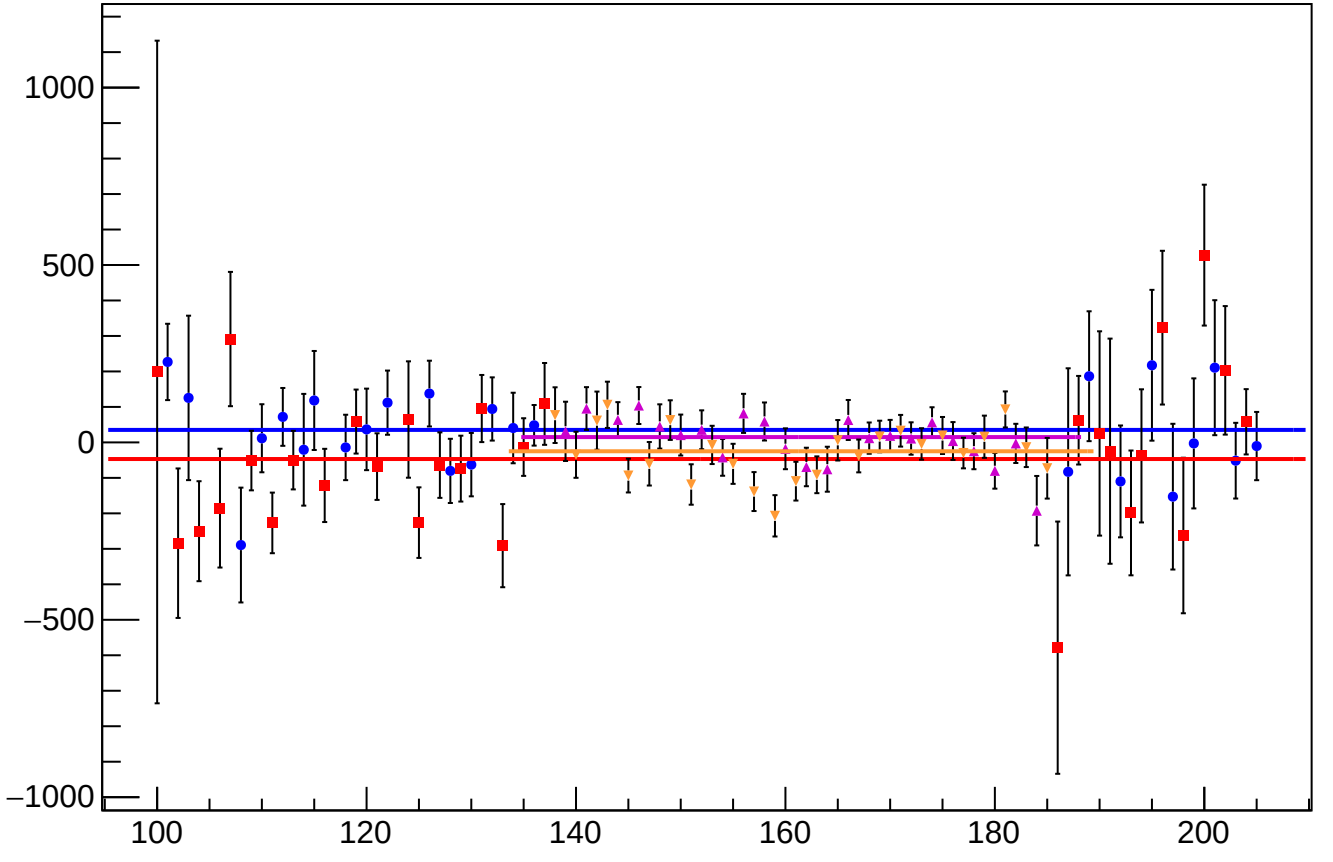
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 302.365+/-0.042 χ^2/NDF: 14366097.7/49

All: 301.062+/-0.030 χ^2/NDF: 30658867.3/10

- sign 299.746+/-0.042 χ^2/NDF: 16290838.6/52

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -46.867+/-22.098 χ^2/NDF: 45.4/29

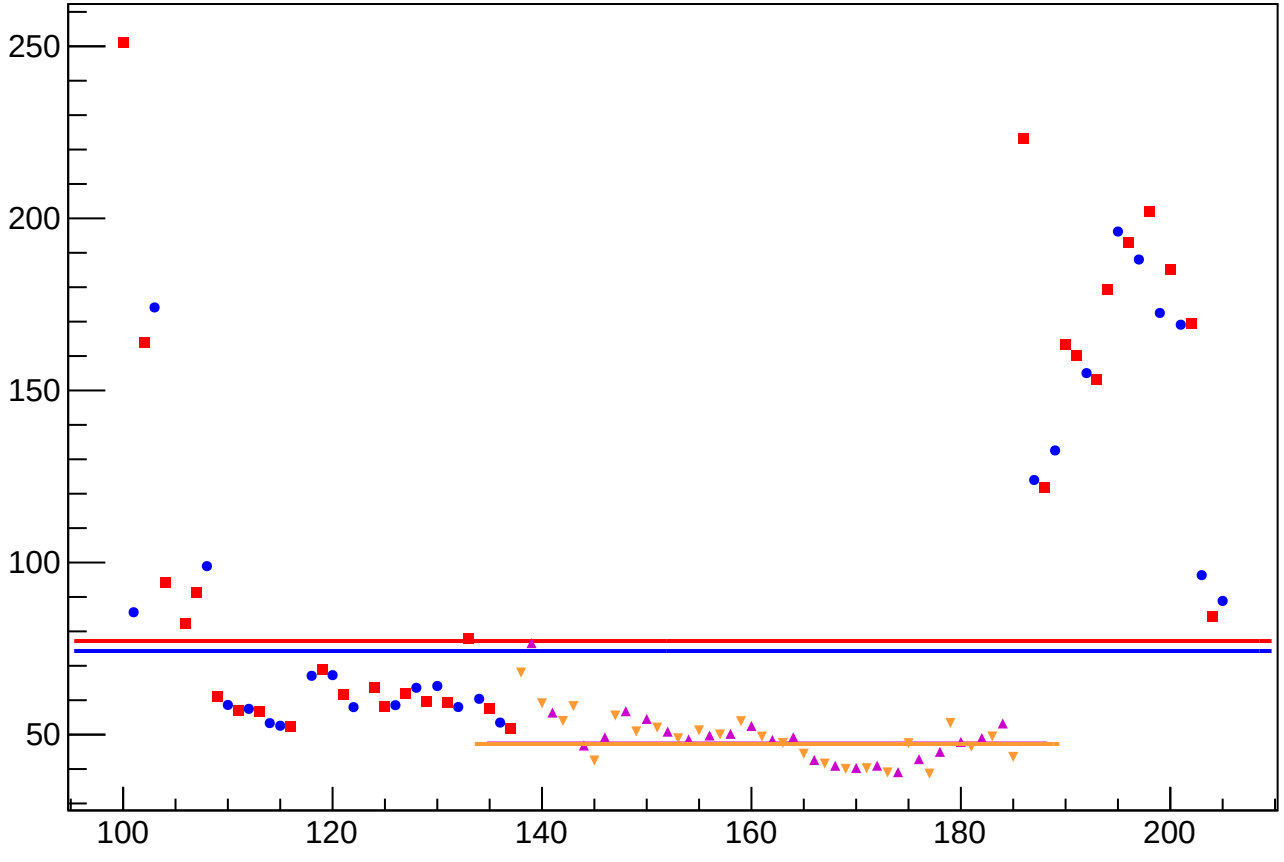
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.045+/-9.748 χ^2/NDF: 67.8/49

All: -5.562+/-6.981 χ^2/NDF: 145.4/102

- sign 2.318+/-10.003 χ^2/NDF: 76.4/52

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

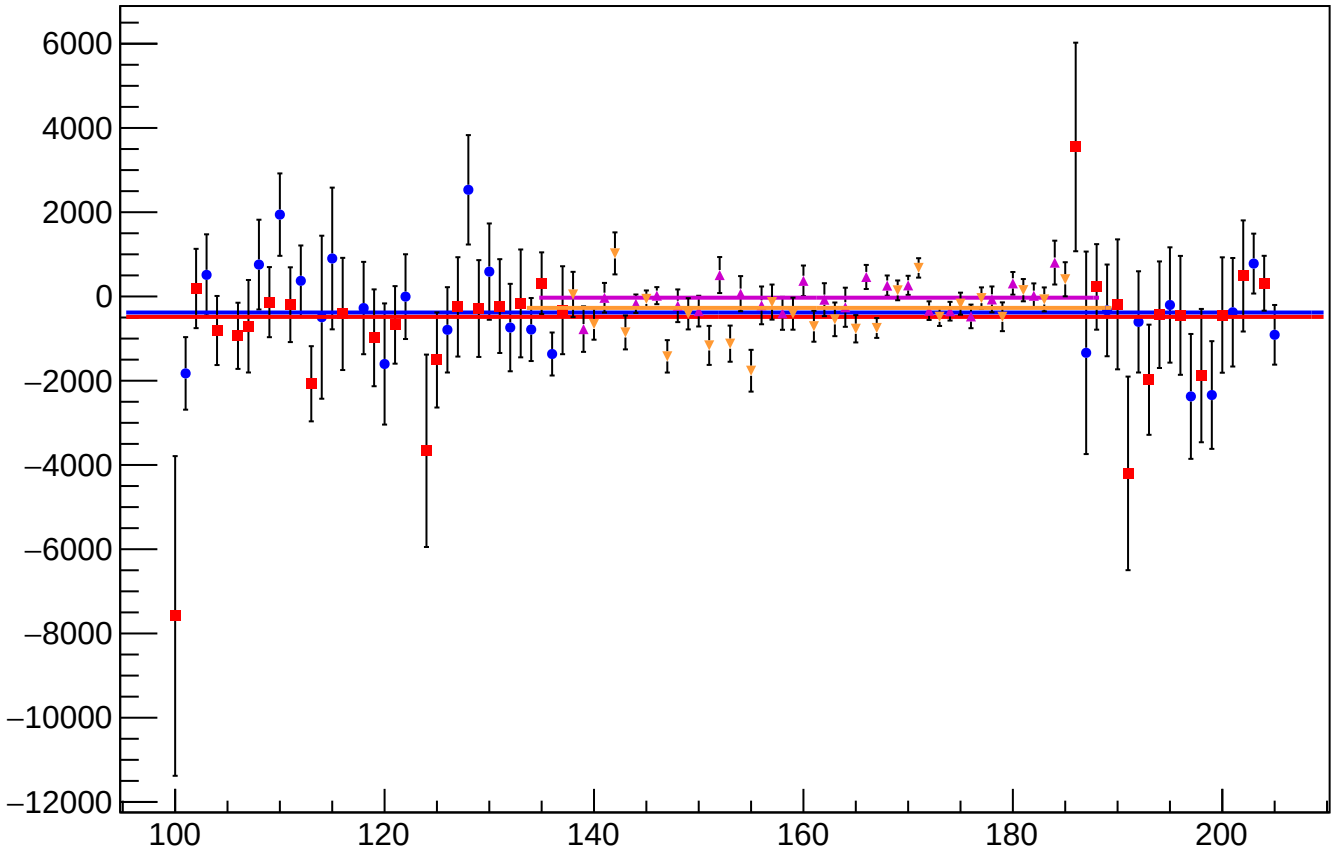
Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.642+/-0.007 χ^2/NDF: 7647170.0/49

All: 53.073+/-0.005 χ^2/NDF: 16855364.6/102

- sign 53.526+/-0.007 χ^2/NDF: 9200194.5/52



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -485.285+/-197.757 χ^2/NDF: 22.3/29

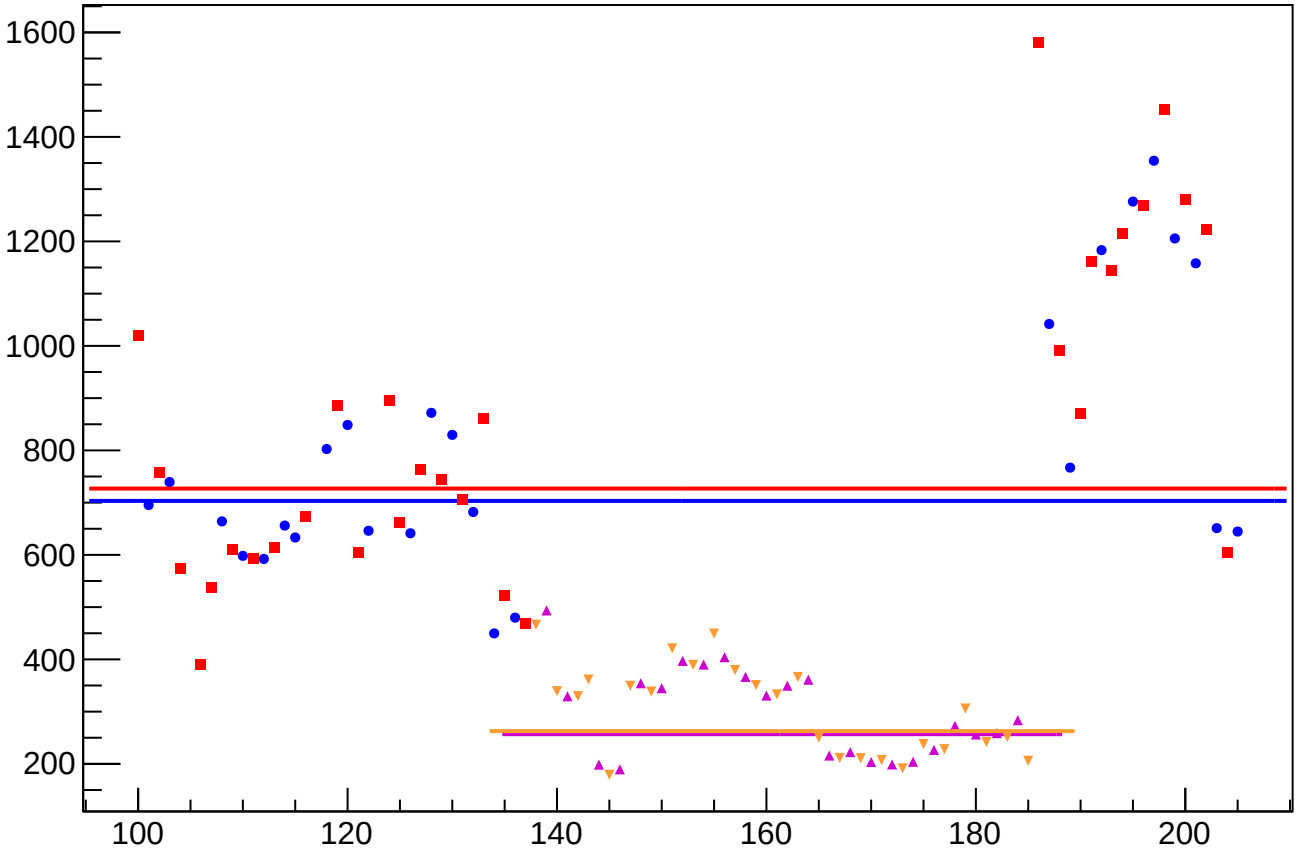
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -280.922+/-59.472 χ^2/NDF: 104.5/49

All: -176.351+/-42.148 χ^2/NDF: 162.3/102

- sign -70.826+/-59.742 χ^2/NDF: 51.5/52

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

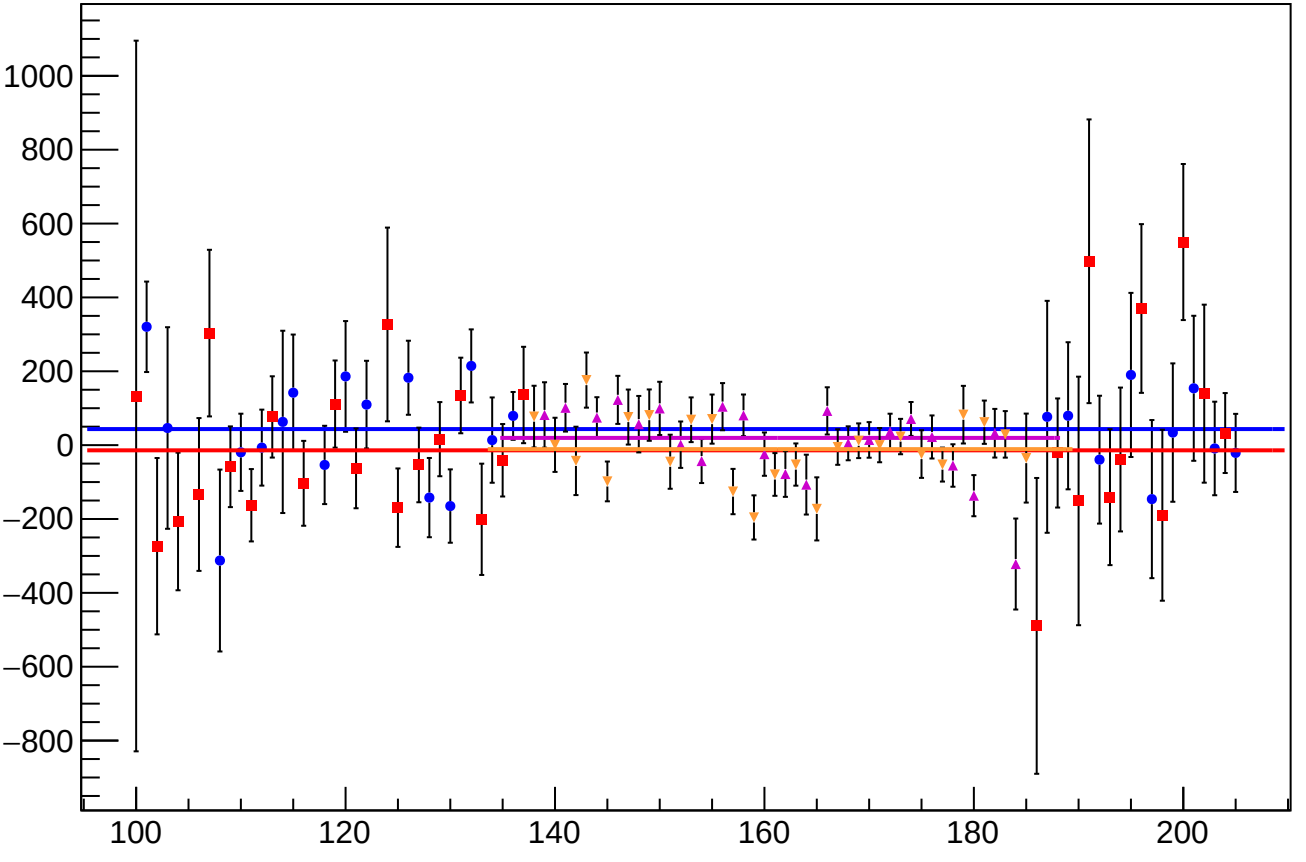
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 302.365+/-0.042 χ^2/NDF: 14366097.7/49

All: 301.062+/-0.030 χ^2/NDF: 30658867.3/10

- sign 299.746+/-0.042 χ^2/NDF: 16290838.6/52

dit_asym_sam_37_dd_mean vs Slug



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -14.062+/-25.969 χ^2/NDF: 33.7/29

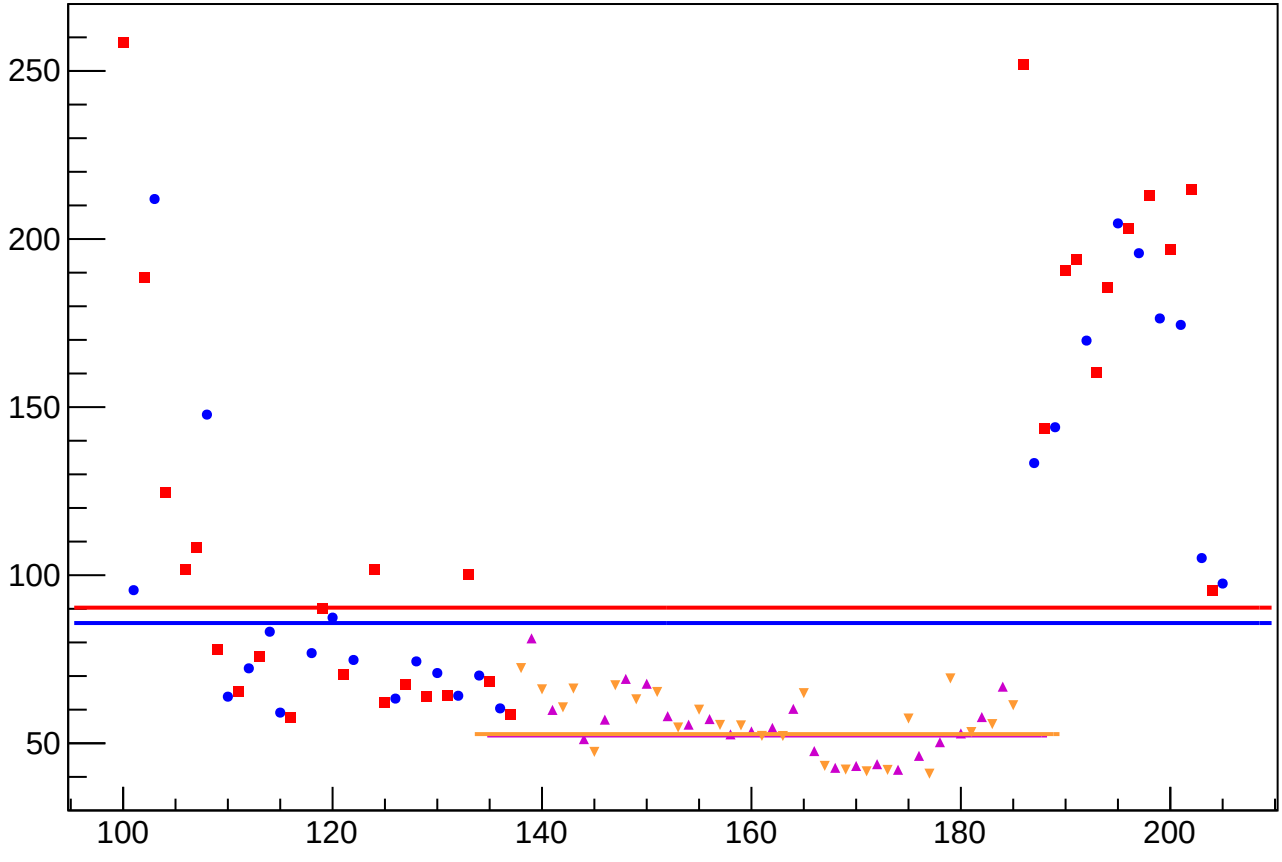
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.417+/-11.065 χ^2/NDF: 69.4/49

All: 6.264+/-7.905 χ^2/NDF: 142.0/102

- sign 13.228+/-11.297 χ^2/NDF: 71.9/52

dit_asym_sam_37_dd_rms vs Slug



Right In: 85.768+/-0.018 χ^2/NDF: 4121197.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 90.346+/-0.018 χ^2/NDF: 5423190.5/29

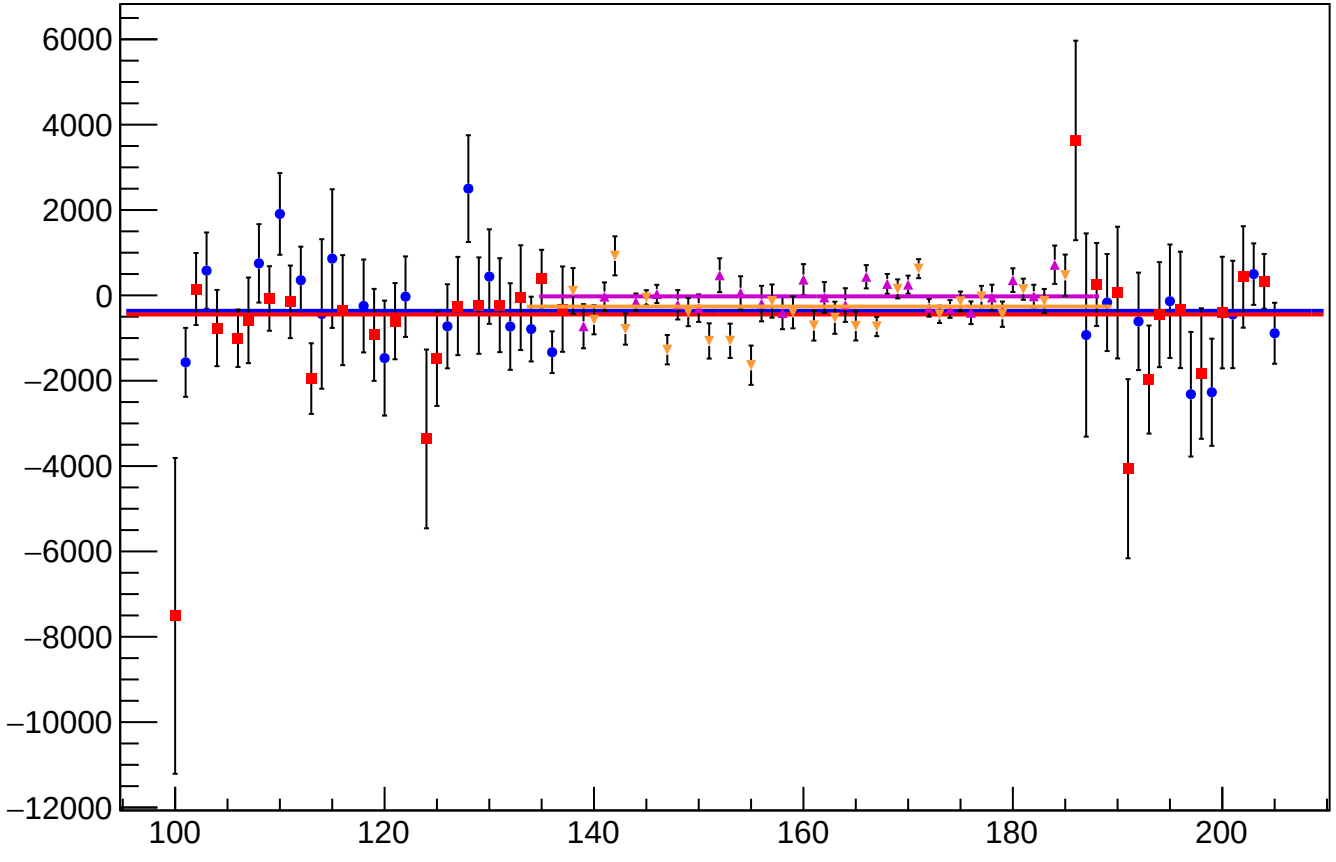
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 59.058+/-0.008 χ^2/NDF: 8048946.2/49

All: 59.280+/-0.006 χ^2/NDF: 17843593.8/102

- sign 59.510+/-0.008 χ^2/NDF: 9793009.7/52

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -447.716+/-187.793 χ^2/NDF: 24.4/29

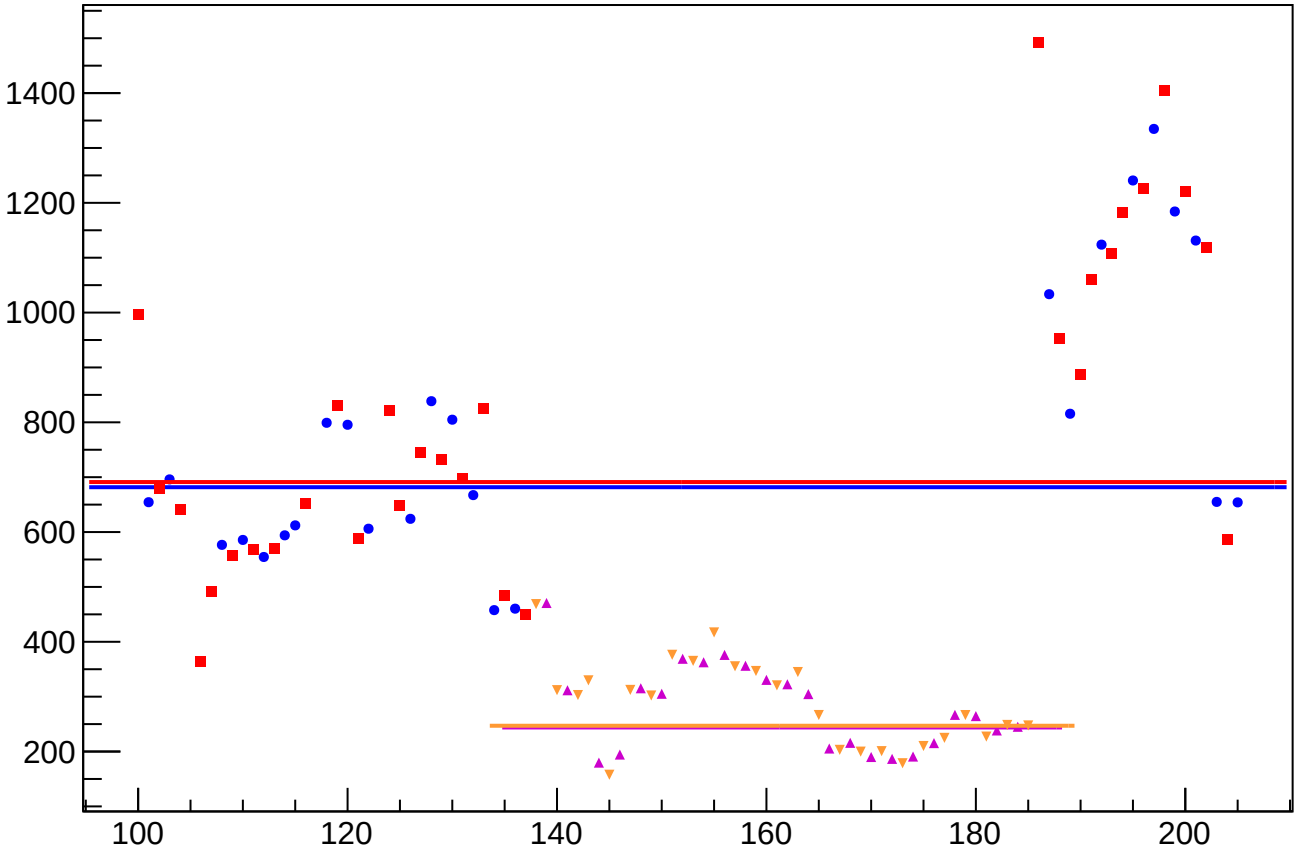
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.117+/-55.956 χ^2/NDF: 101.6/49

All: -167.838+/-39.804 χ^2/NDF: 161.7/102

- sign -62.050+/-56.632 χ^2/NDF: 53.2/52

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 681.730+/-0.136 χ^2/NDF: 2514243.7/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 691.143+/-0.133 χ^2/NDF: 3521783.9/29

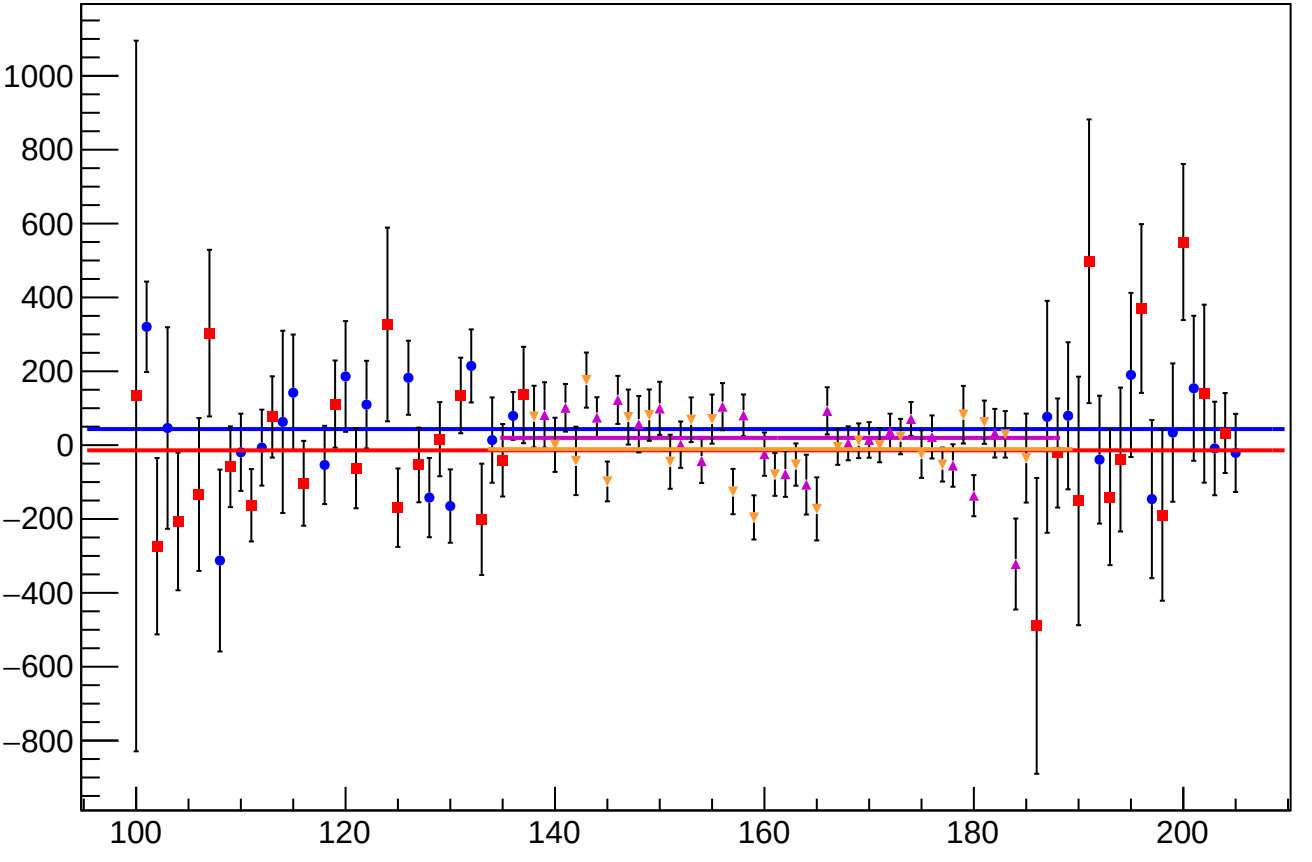
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 283.992+/-0.040 χ^2/NDF: 14839232.8/49

All: 284.245+/-0.028 χ^2/NDF: 31167288.2/10

- sign 284.504+/-0.040 χ^2/NDF: 16327972.7/52

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -14.061+/-25.969 χ^2/NDF: 33.7/29

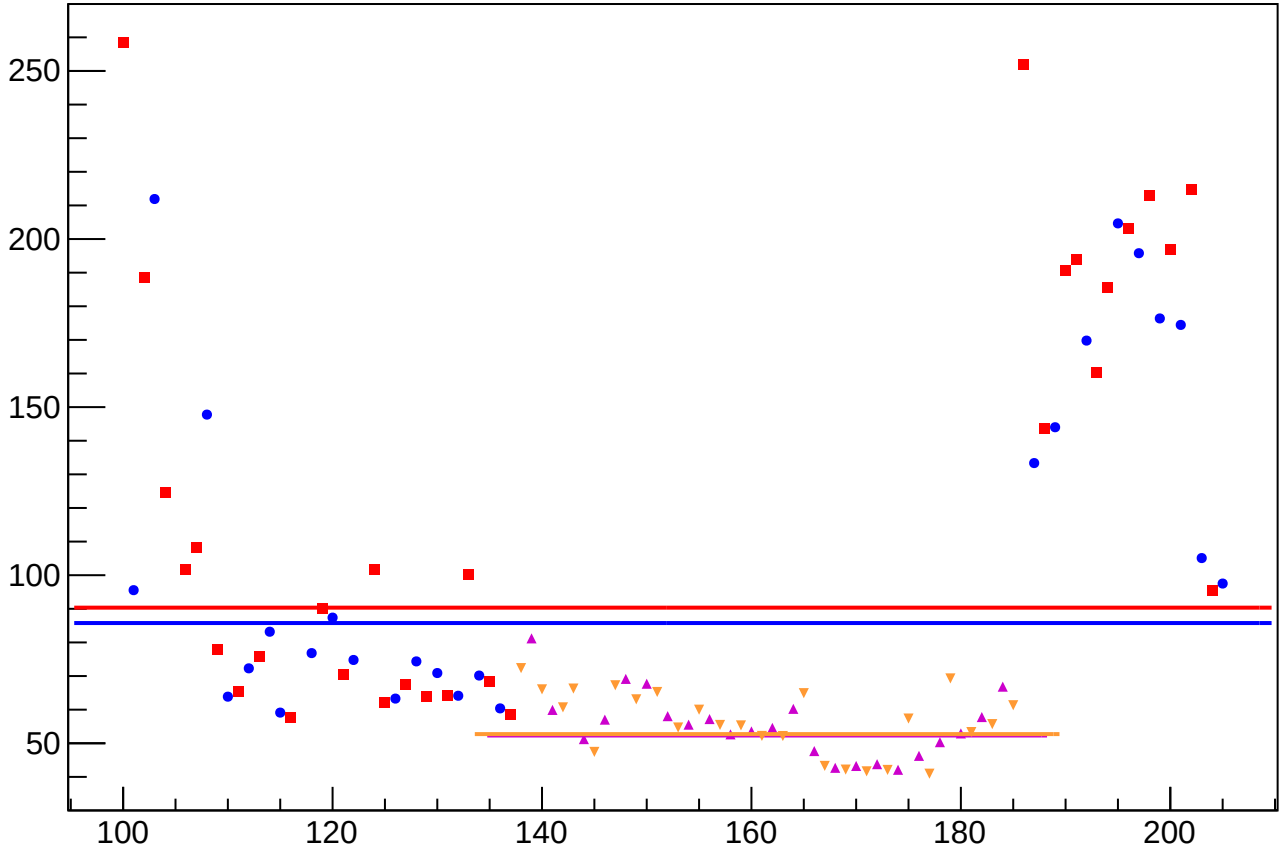
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.417+/-11.065 χ^2/NDF: 69.4/49

All: 6.265+/-7.905 χ^2/NDF: 142.0/102

- sign 13.229+/-11.297 χ^2/NDF: 71.9/52

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 85.768+/-0.018 χ^2/NDF: 4121219.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

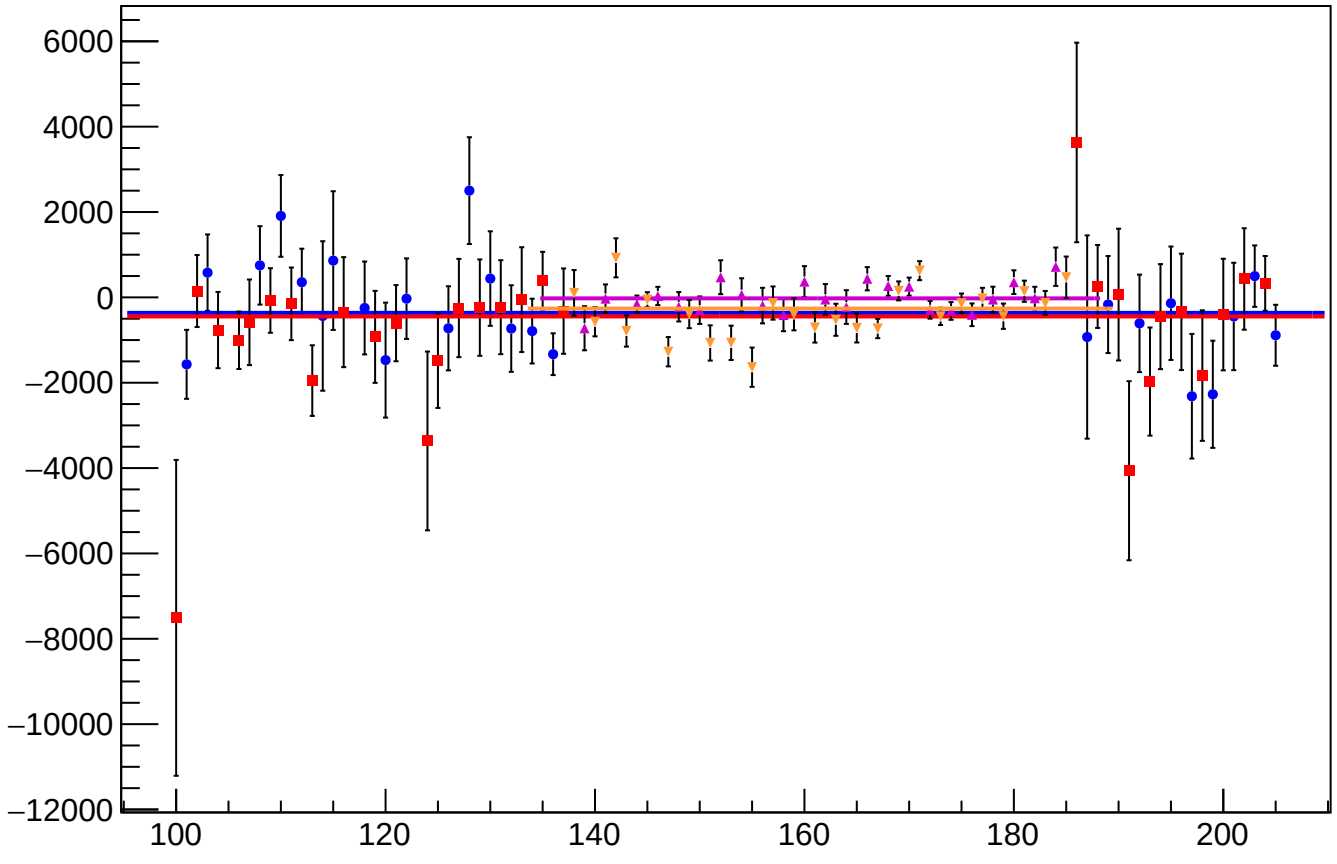
Right Out: 90.346+/-0.018 χ^2/NDF: 5423189.8/29

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 59.058+/-0.008 χ^2/NDF: 8048963.2/49

All: 59.280+/-0.006 χ^2/NDF: 17843594.8/102

- sign 59.511+/-0.008 χ^2/NDF: 9792993.8/52



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -447.716+/-187.793 χ^2/NDF: 24.4/29

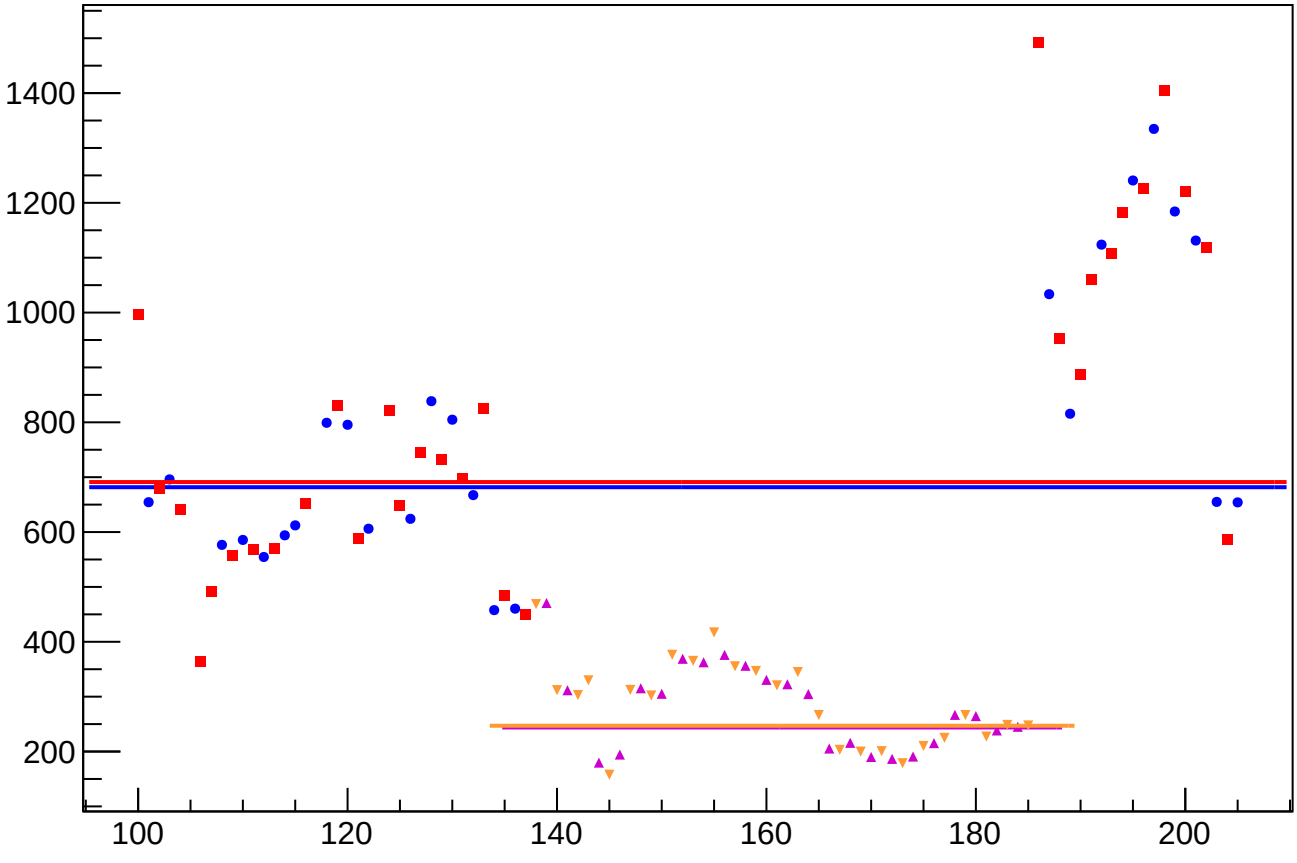
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.118+/-55.956 χ^2/NDF: 101.6/49

All: -167.838+/-39.804 χ^2/NDF: 161.7/102

- sign -62.050+/-56.631 χ^2/NDF: 53.2/52

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 681.730+/-0.136 χ^2/NDF: 2514232.1/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 691.142+/-0.133 χ^2/NDF: 3521777.7/29

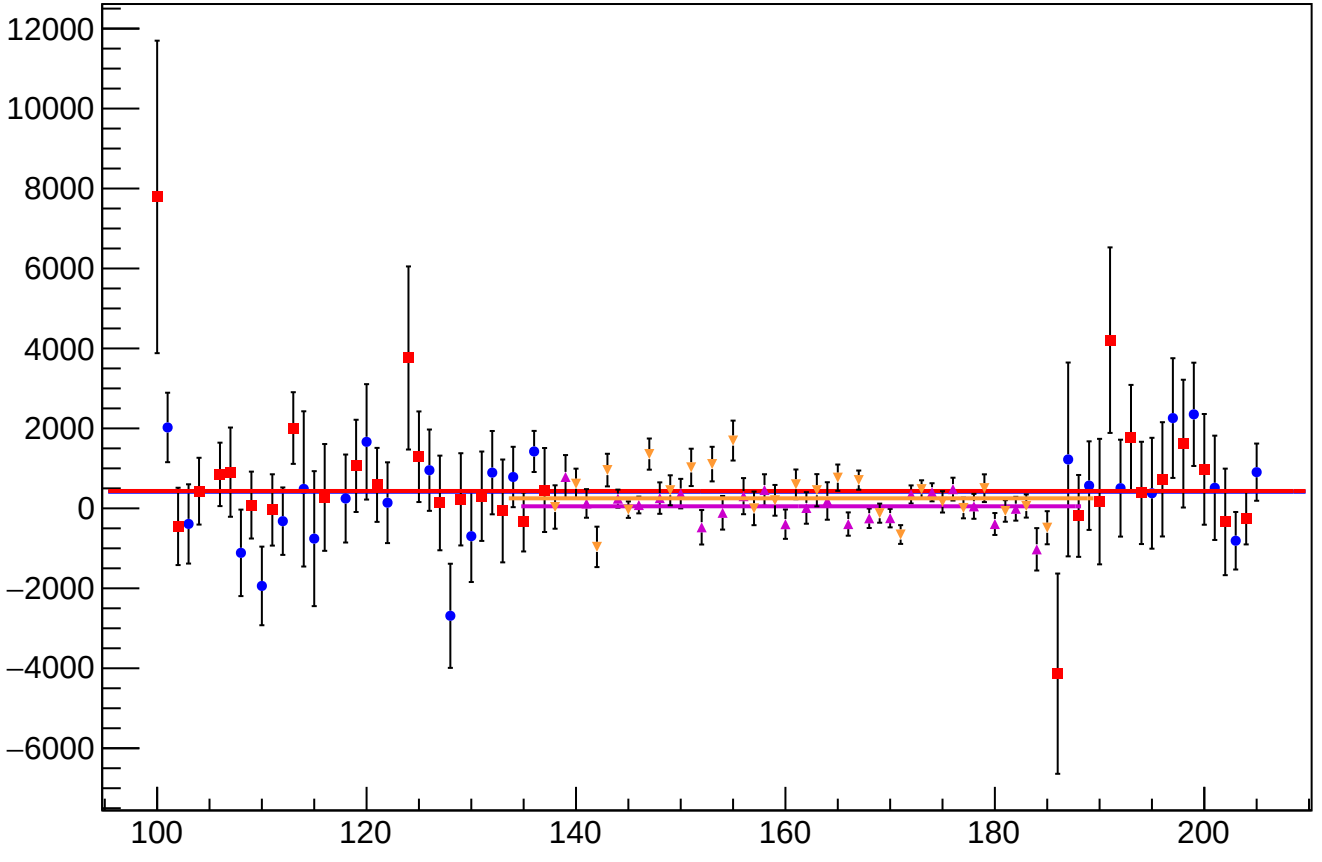
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

\+ sign 283.992+/-0.040 χ^2/NDF: 14839223.5/49

All: 284.245+/-0.028 χ^2/NDF: 31167273.2/10

\- sign 284.504+/-0.040 χ^2/NDF: 16327967.1/52

asym_sam_37_dd_mean vs Slug



Right In: 416.170+/-199.910 χ^2/NDF: 32.4/24

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 434.840+/-199.538 χ^2/NDF: 22.3/29

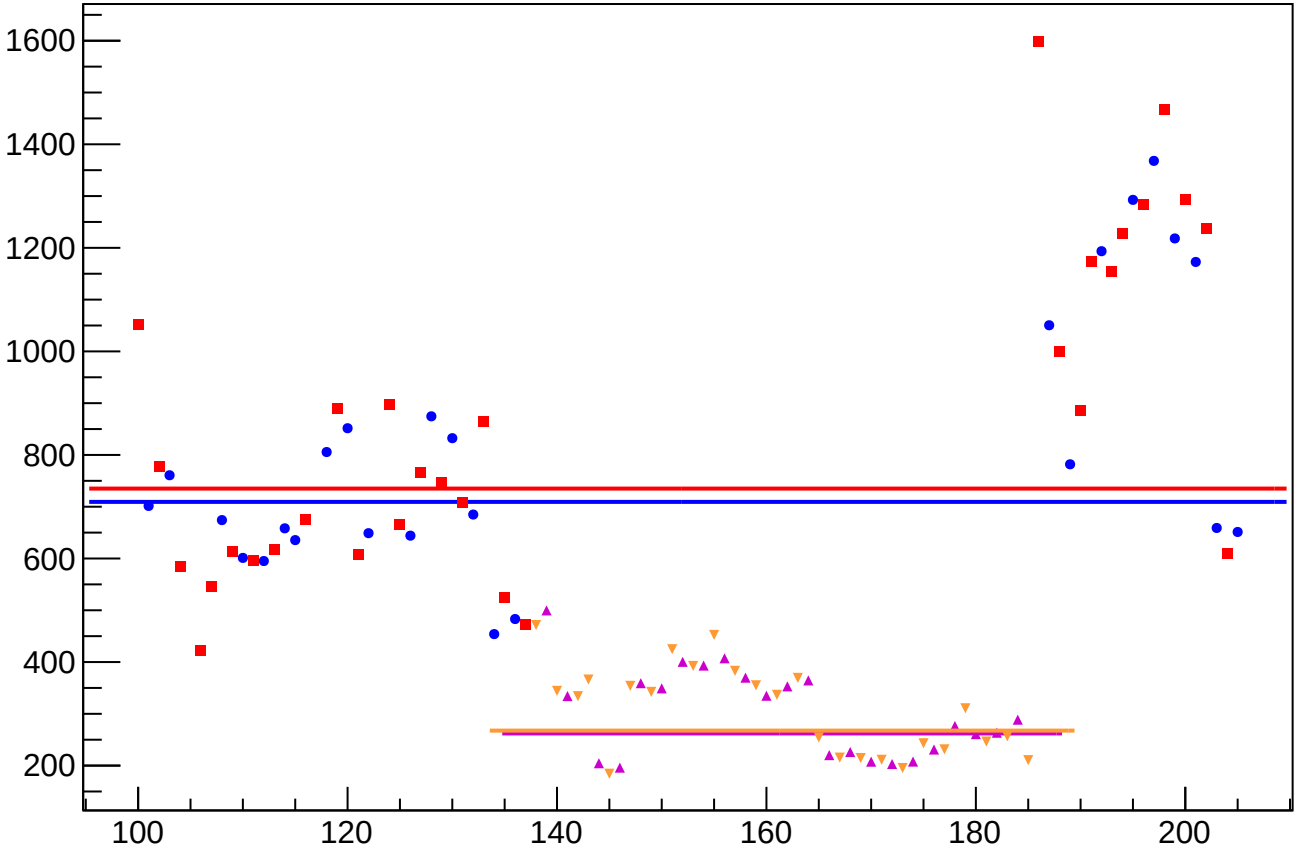
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 266.204+/-60.454 χ^2/NDF: 100.5/49

All: 177.265+/-42.872 χ^2/NDF: 157.3/102

- sign 87.287+/-60.807 χ^2/NDF: 52.5/52

asym_sam_37_dd_rms vs Slug



Right In: 709.342+/-0.141 χ^2/NDF: 2490727.6/24

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

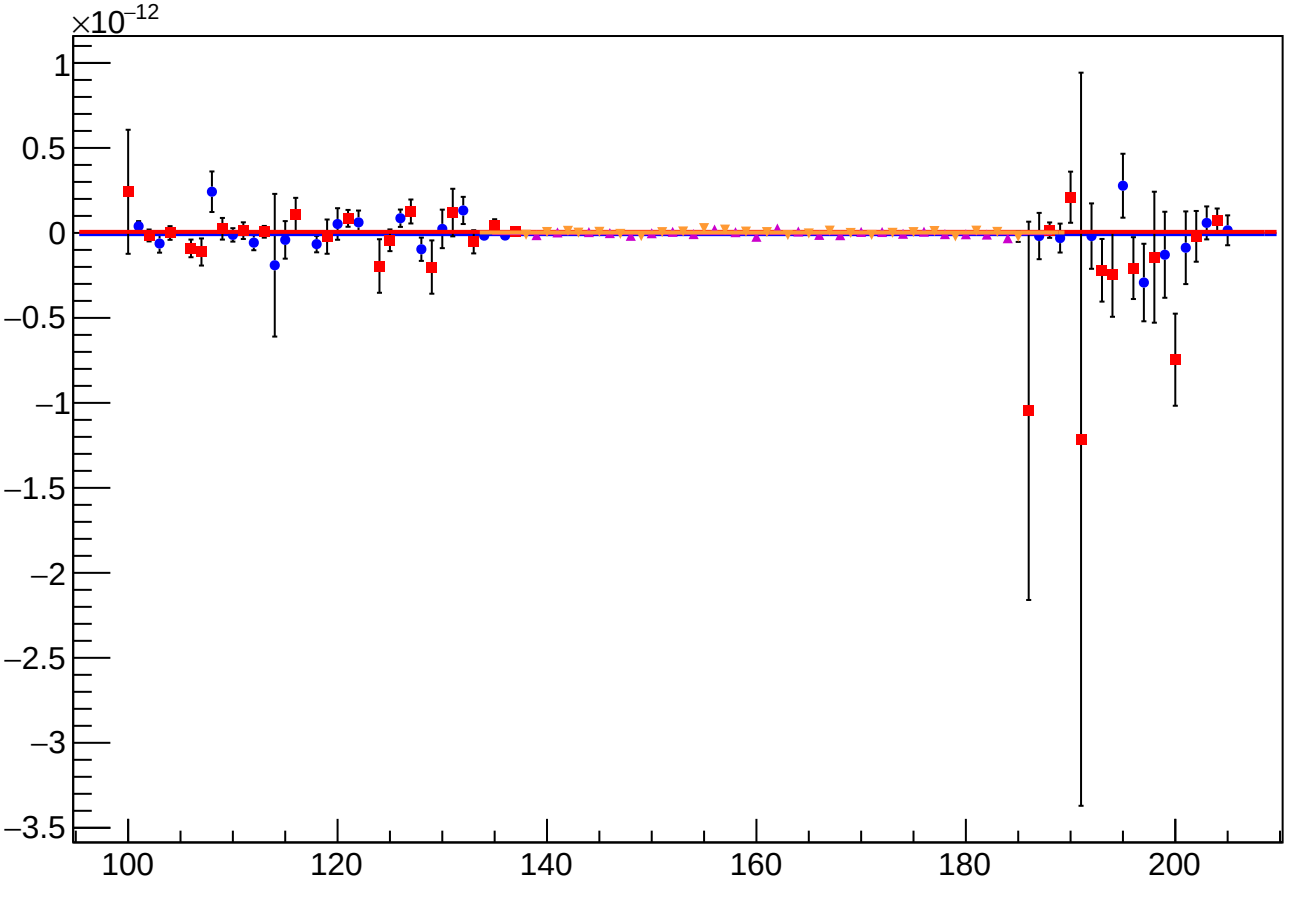
Right Out: 735.048+/-0.141 χ^2/NDF: 3336757.7/29

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 307.987+/-0.043 χ^2/NDF: 14165136.8/49

All: 307.006+/-0.030 χ^2/NDF: 30233210.3/10

- sign 306.013+/-0.043 χ^2/NDF: 16067013.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

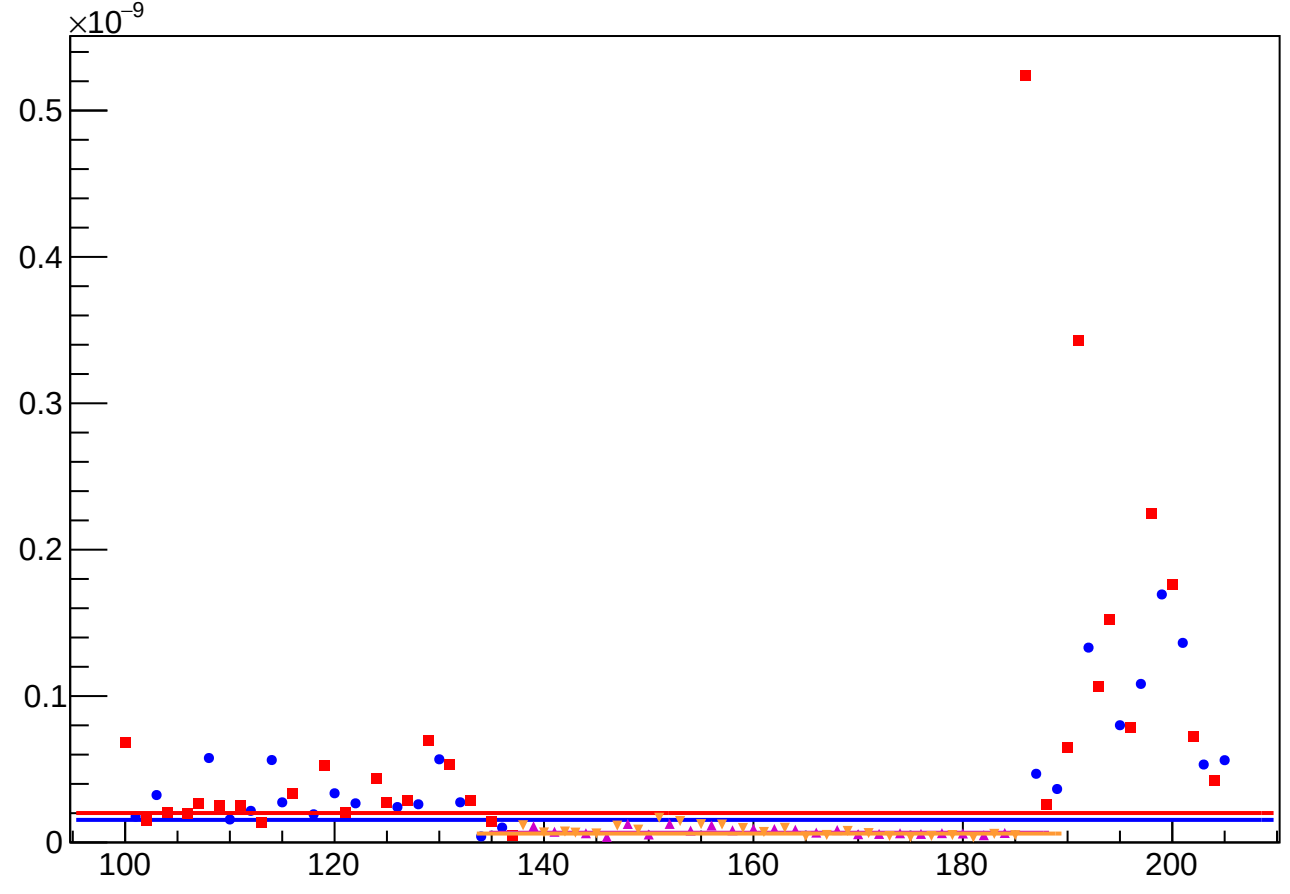
Right Out: 0.000+/-0.000 χ^2/NDF: 35.8/29

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/49

All: 0.000+/-0.000 χ^2/NDF: 91.2/102

- sign -0.000+/-0.000 χ^2/NDF: 48.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 5860252.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5327472.1/29

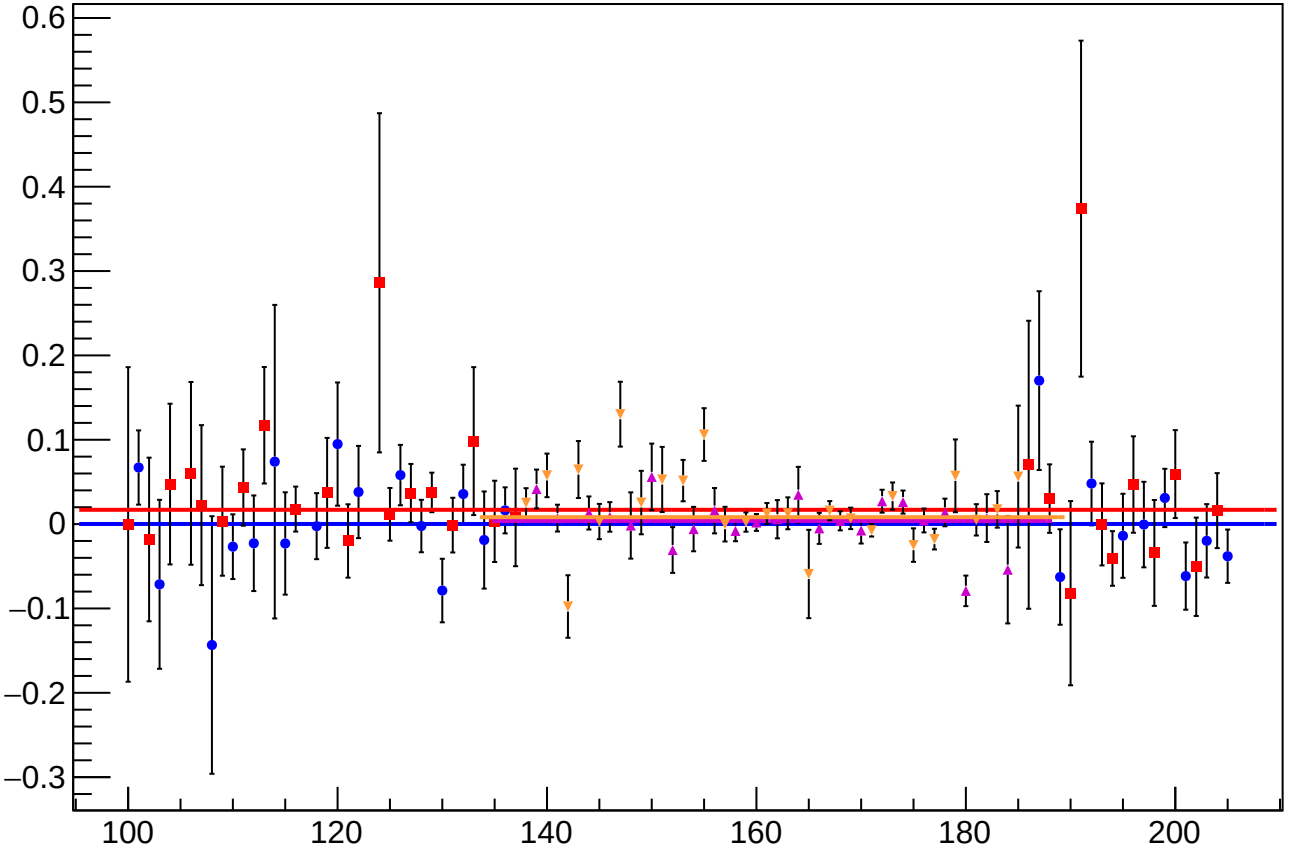
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10214896.1/49

All: 0.000+/-0.000 χ^2/NDF: 19667700.5/102

- sign 0.000+/-0.000 χ^2/NDF: 9375457.0/52

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

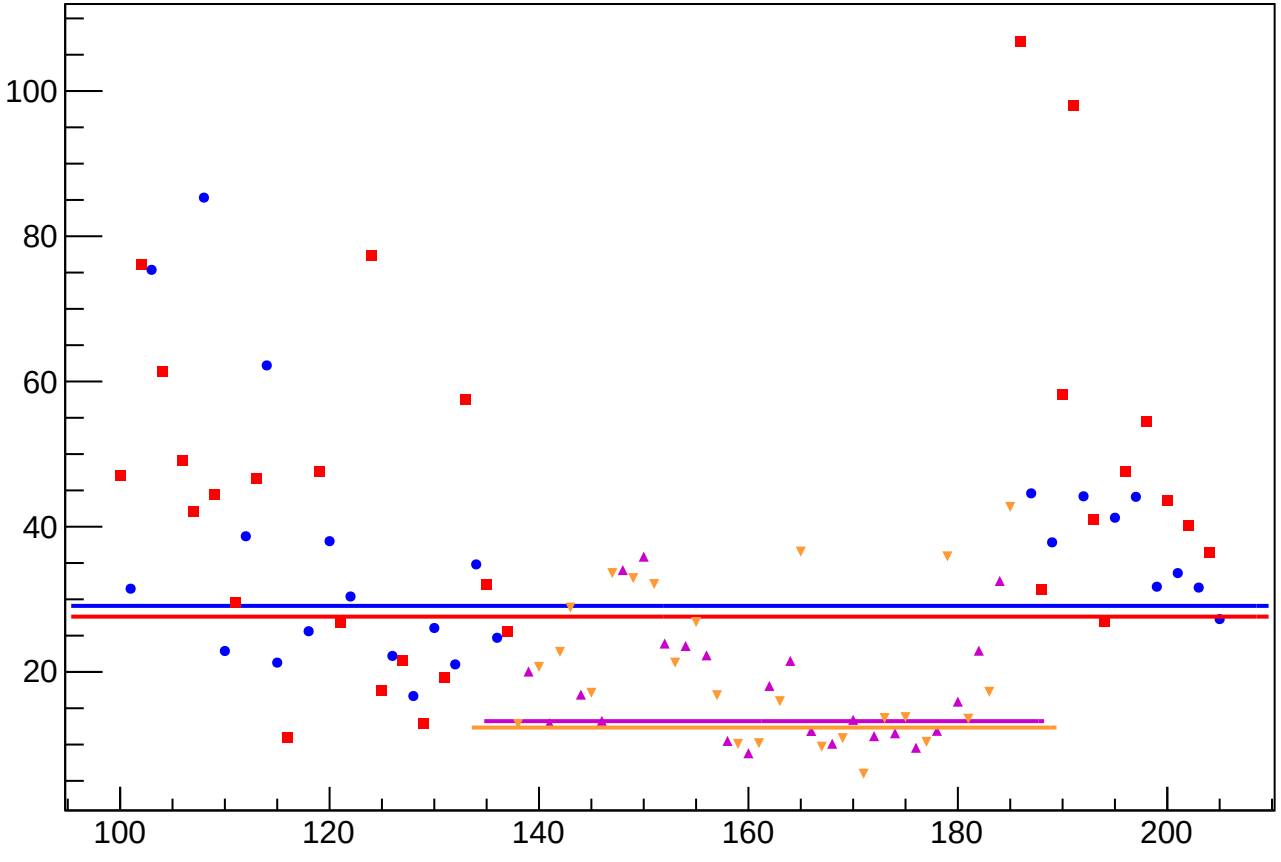
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.006+/-0.002 χ^2/NDF: 142.2/102

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

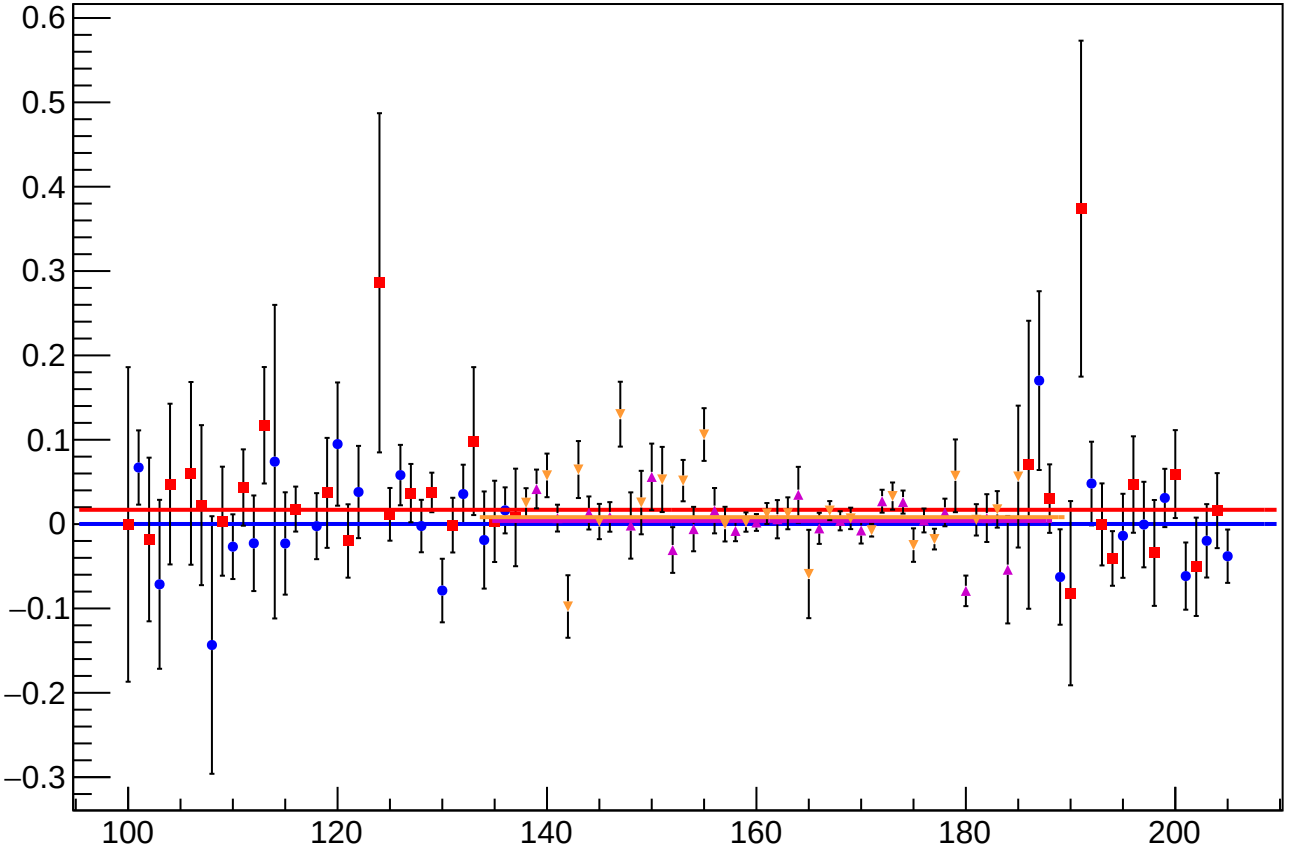
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104210.0/49

All: 14.919+/-0.002 χ^2/NDF: 29311836.0/102

- sign 15.322+/-0.002 χ^2/NDF: 14152384.4/52

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

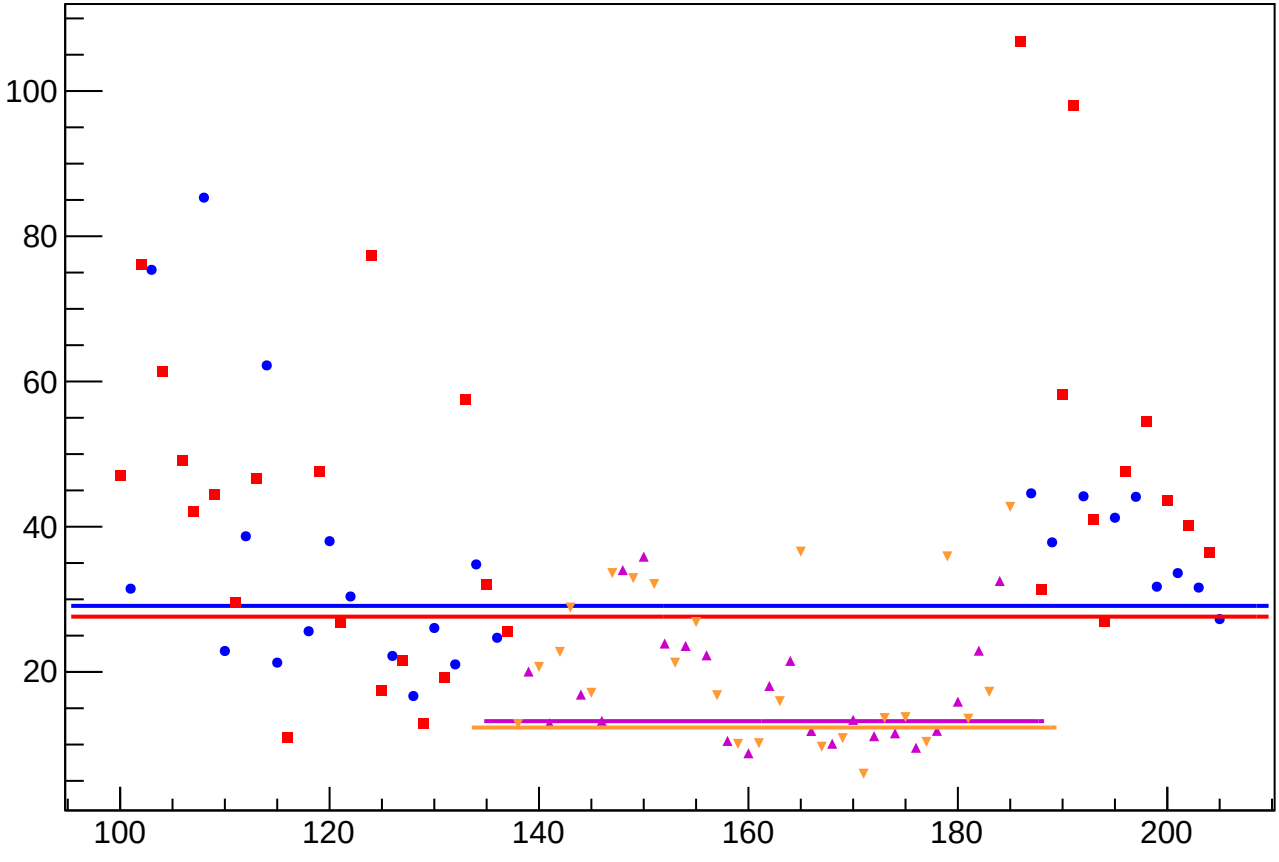
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.006+/-0.002 χ^2/NDF: 142.2/102

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

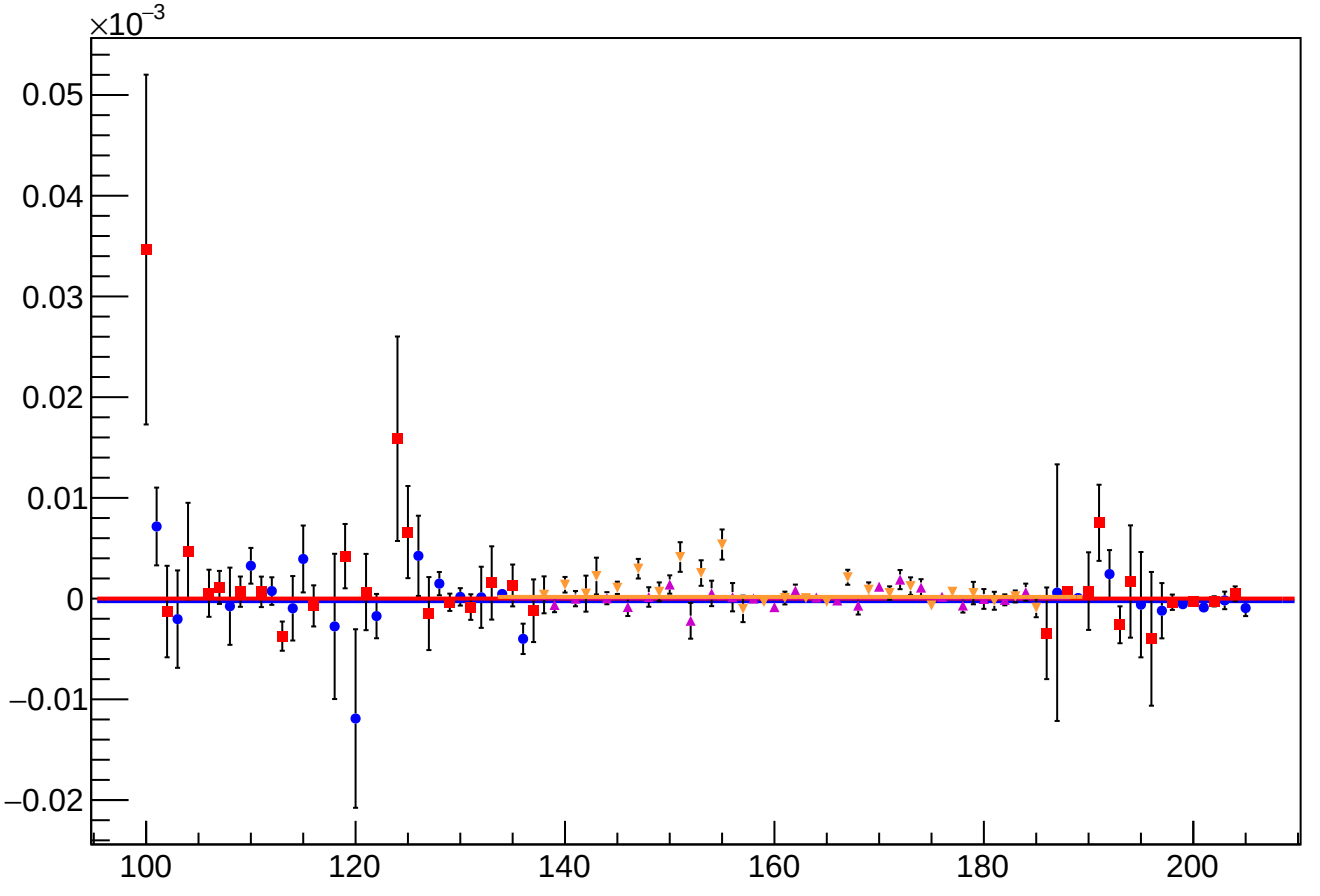
Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104210.0/49

All: 14.919+/-0.002 χ^2/NDF: 29311836.0/102

- sign 15.322+/-0.002 χ^2/NDF: 14152384.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/29

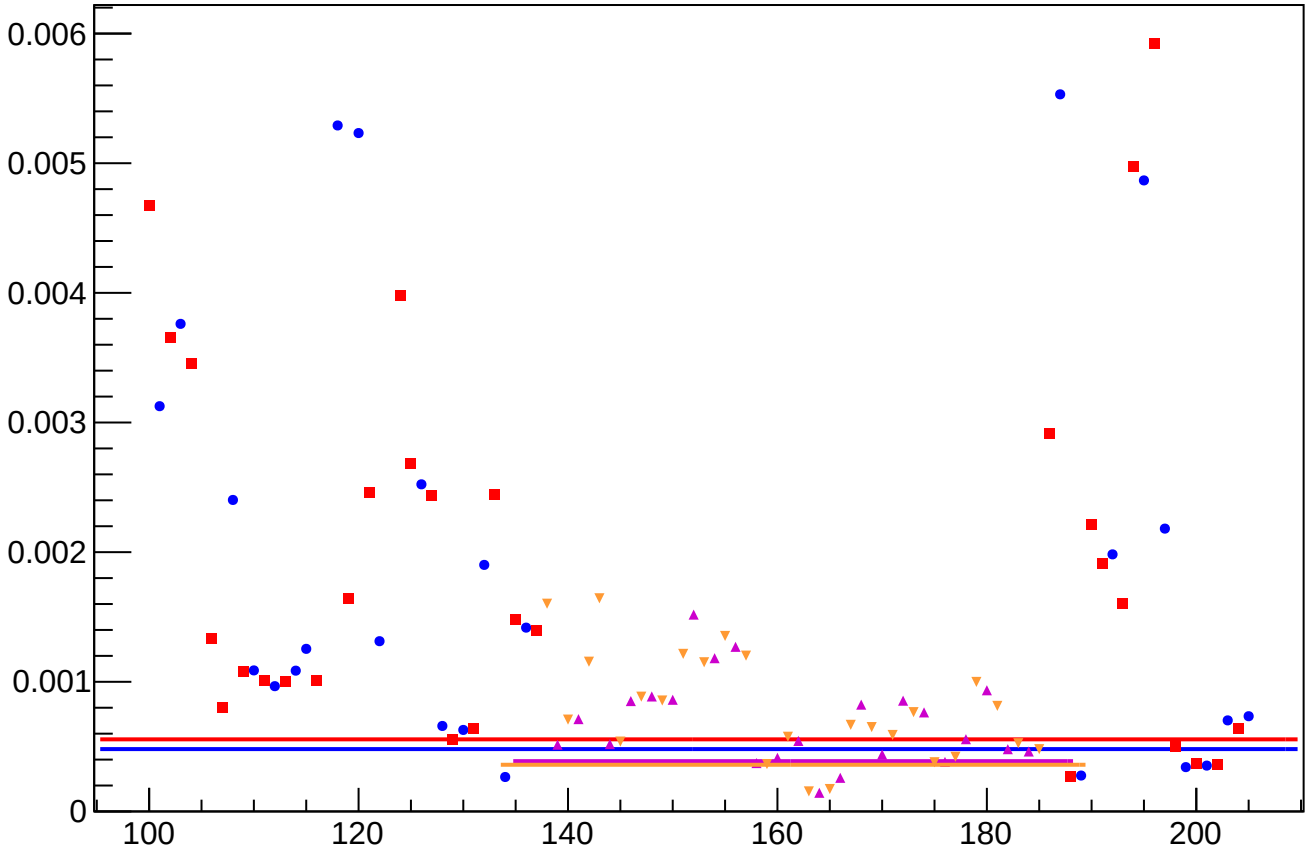
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.8/49

All: 0.000+/-0.000 χ^2/NDF: 151.6/102

- sign 0.000+/-0.000 χ^2/NDF: 55.8/52

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11525754.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11675245.0/29

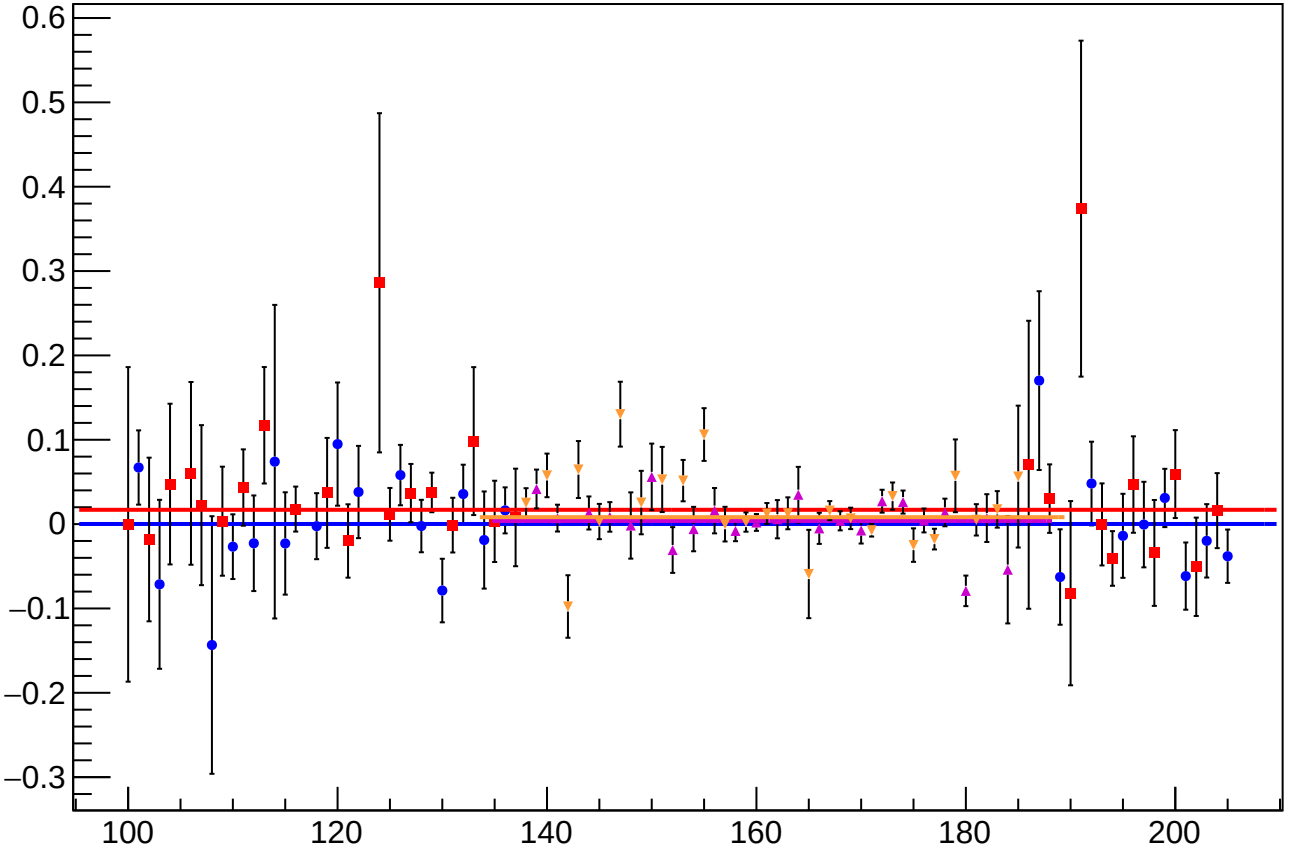
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 26210650.8/49

All: 0.000+/-0.000 χ^2/NDF: 49534502.9/102

- sign 0.000+/-0.000 χ^2/NDF: 23174120.2/52

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

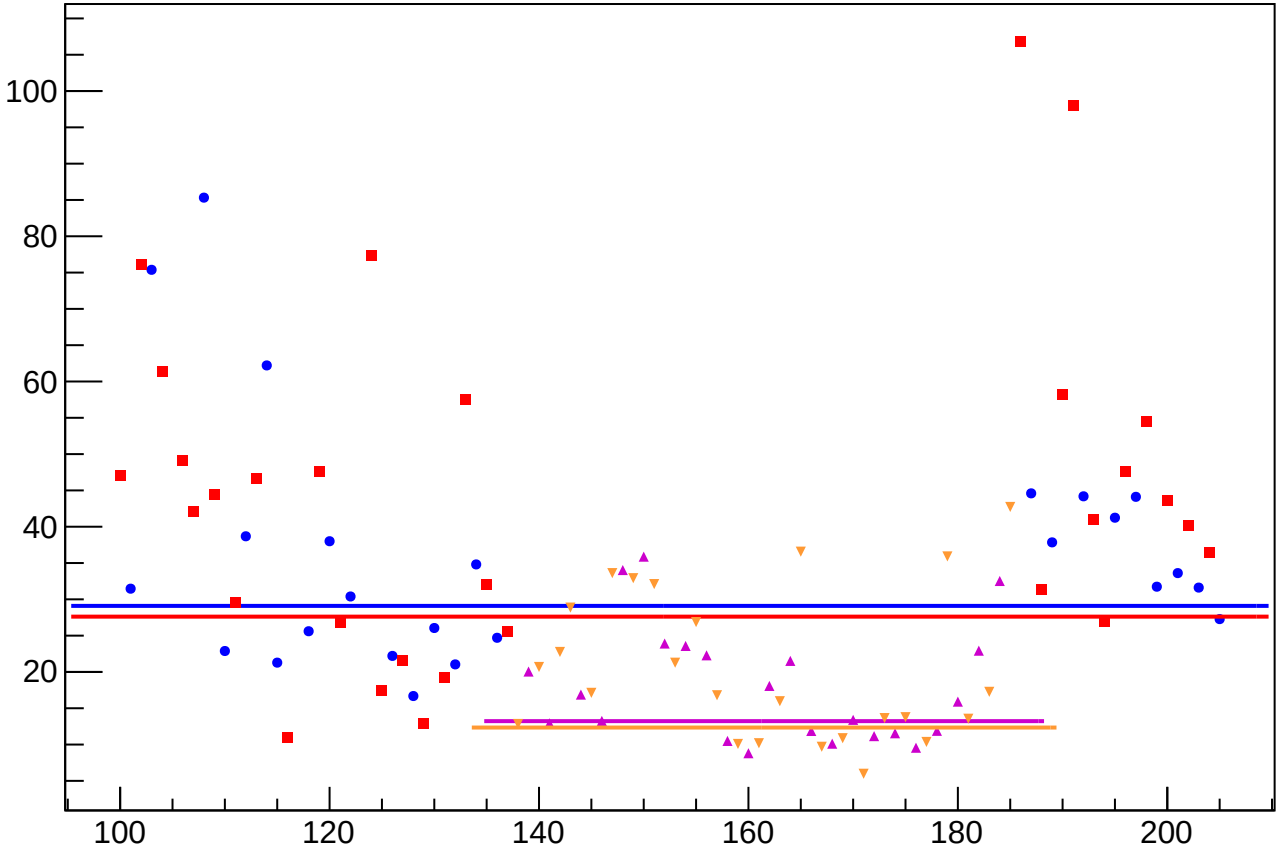
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.006+/-0.002 χ^2/NDF: 142.2/102

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

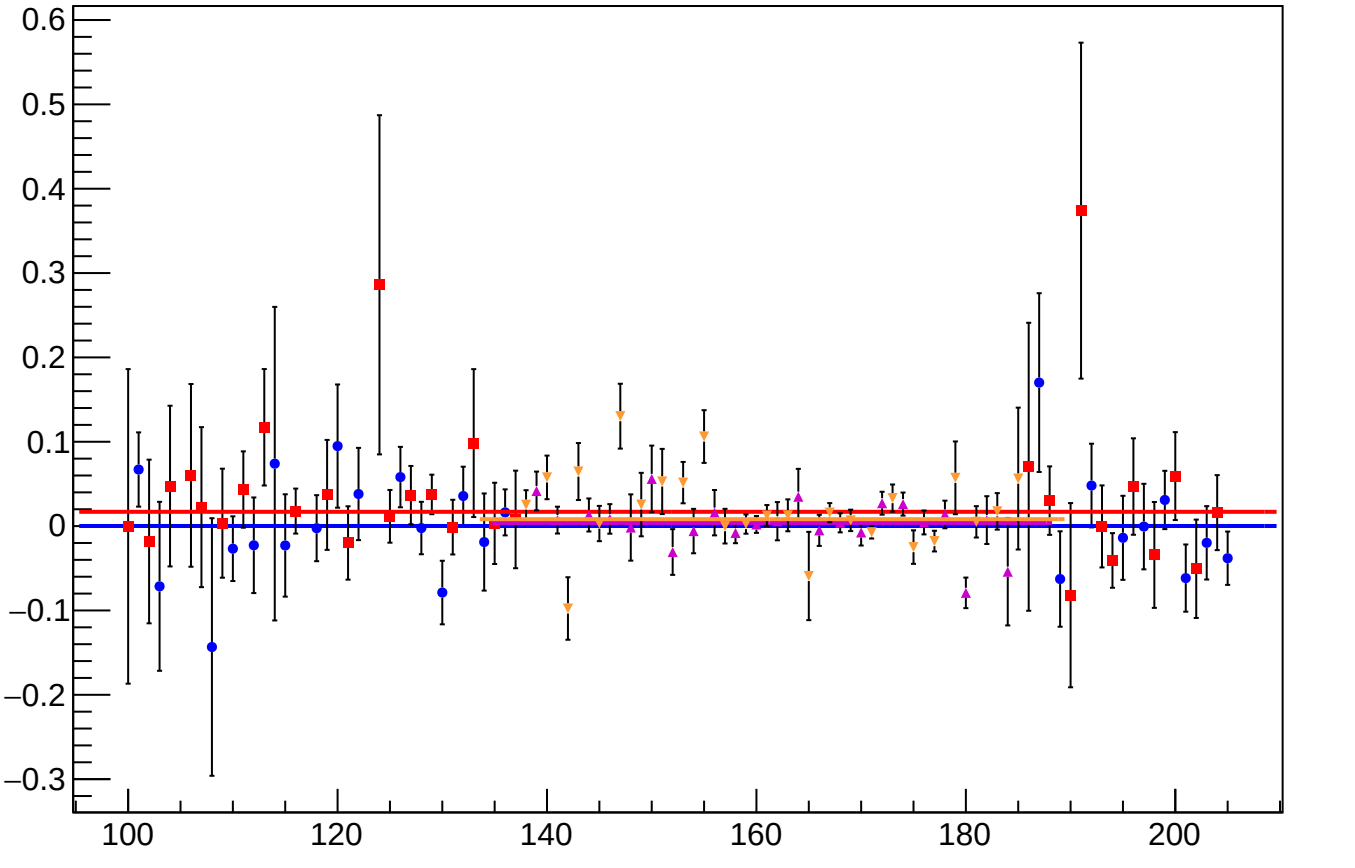
Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104436.6/49

All: 14.920+/-0.002 χ^2/NDF: 29312101.5/102

- sign 15.323+/-0.002 χ^2/NDF: 14152427.2/52



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

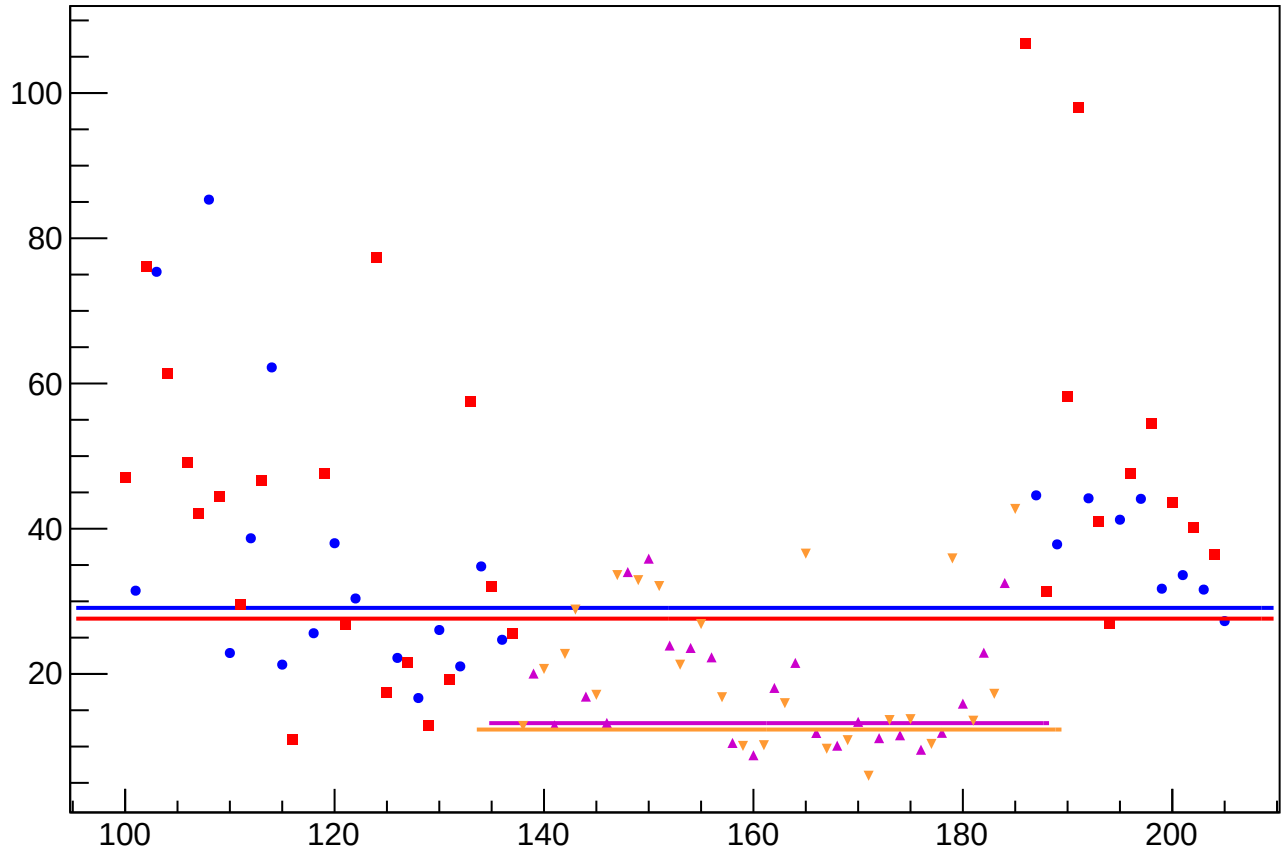
Right Out: 0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.006+/-0.002 χ^2/NDF: 142.2/102

- sign 0.006+/-0.003 χ^2/NDF: 57.5/52



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

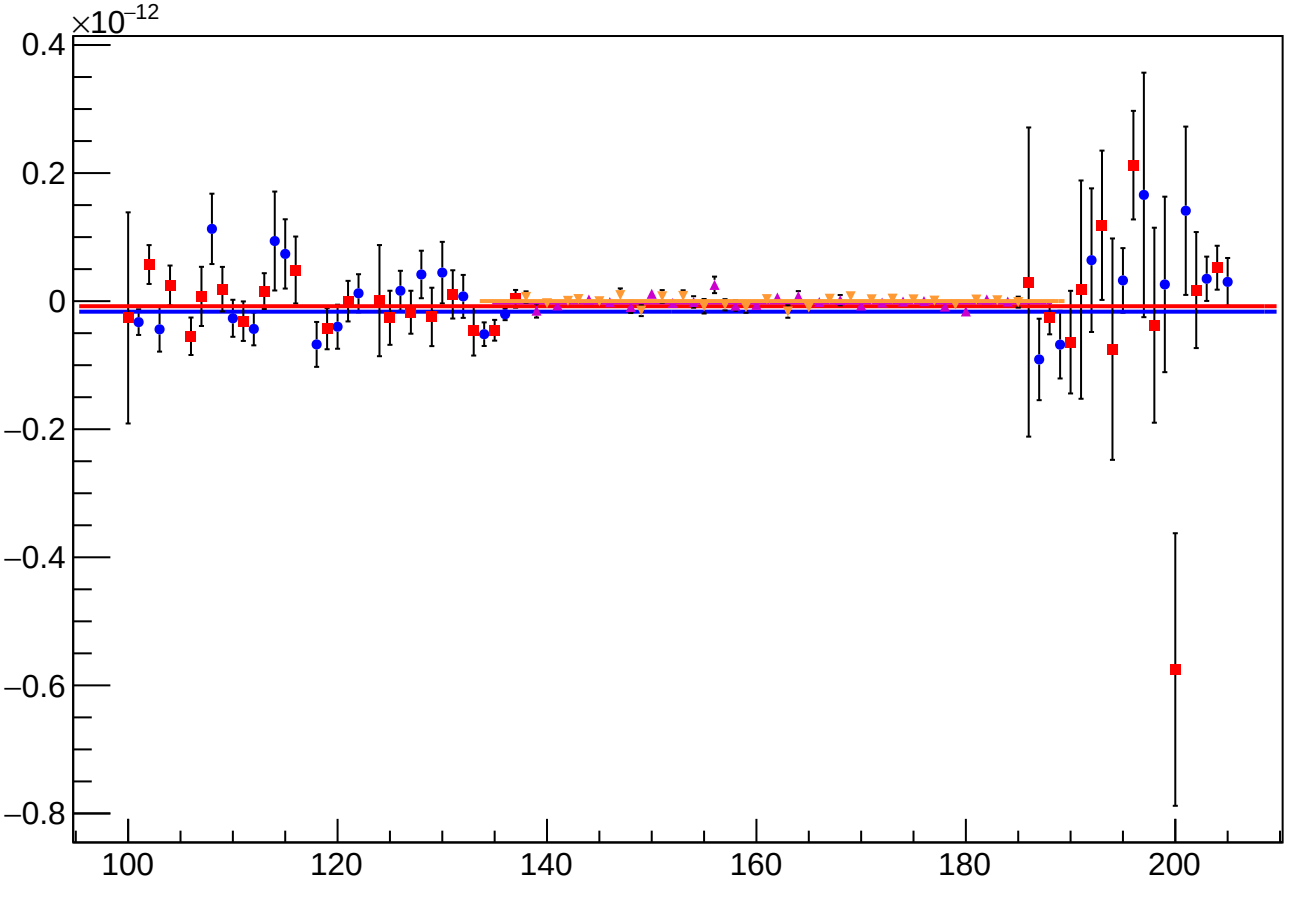
Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104436.6/49

All: 14.920+/-0.002 χ^2/NDF: 29312101.5/102

- sign 15.323+/-0.002 χ^2/NDF: 14152427.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 35.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

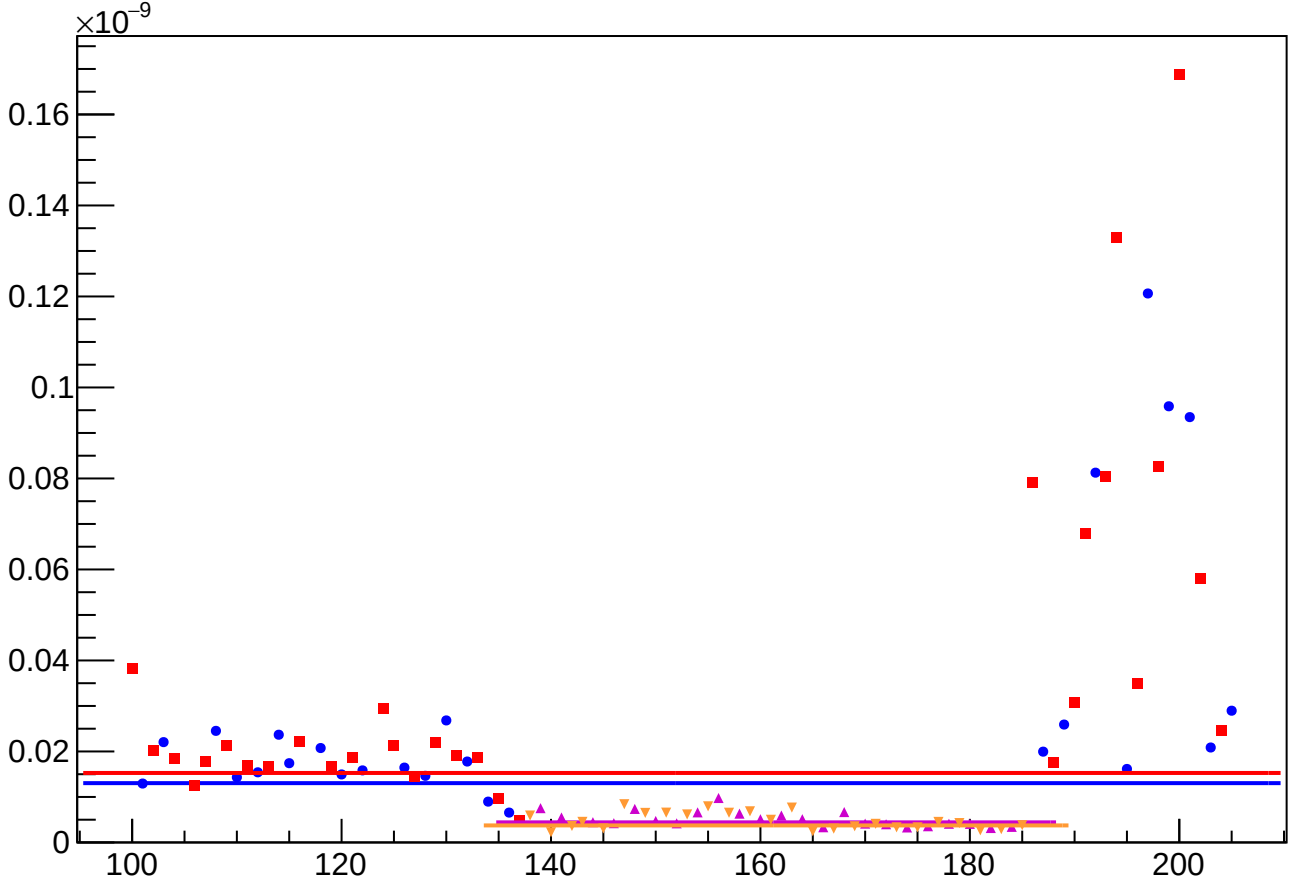
Right Out: -0.000+/-0.000 χ^2/NDF: 39.8/29

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.4/49

All: -0.000+/-0.000 χ^2/NDF: 132.4/102

- sign -0.000+/-0.000 χ^2/NDF: 66.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 5206020.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5925048.1/29

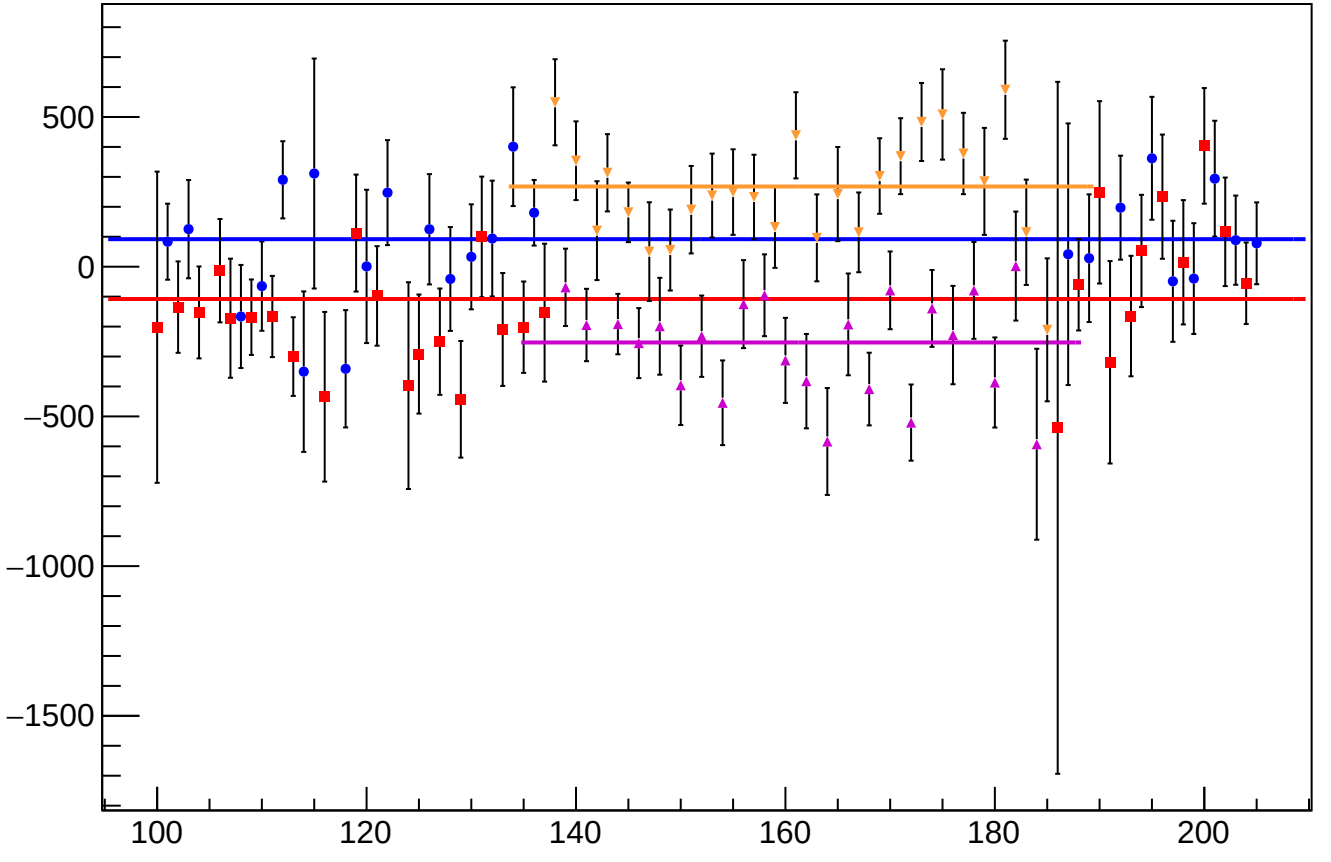
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13309707.4/49

All: 0.000+/-0.000 χ^2/NDF: 26957583.9/102

- sign 0.000+/-0.000 χ^2/NDF: 13262546.1/52

reg_asym_sam_48_dd_mean vs Slug



Right In: 91.909+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -107.853+/-33.739 χ^2/NDF: 27.2/29

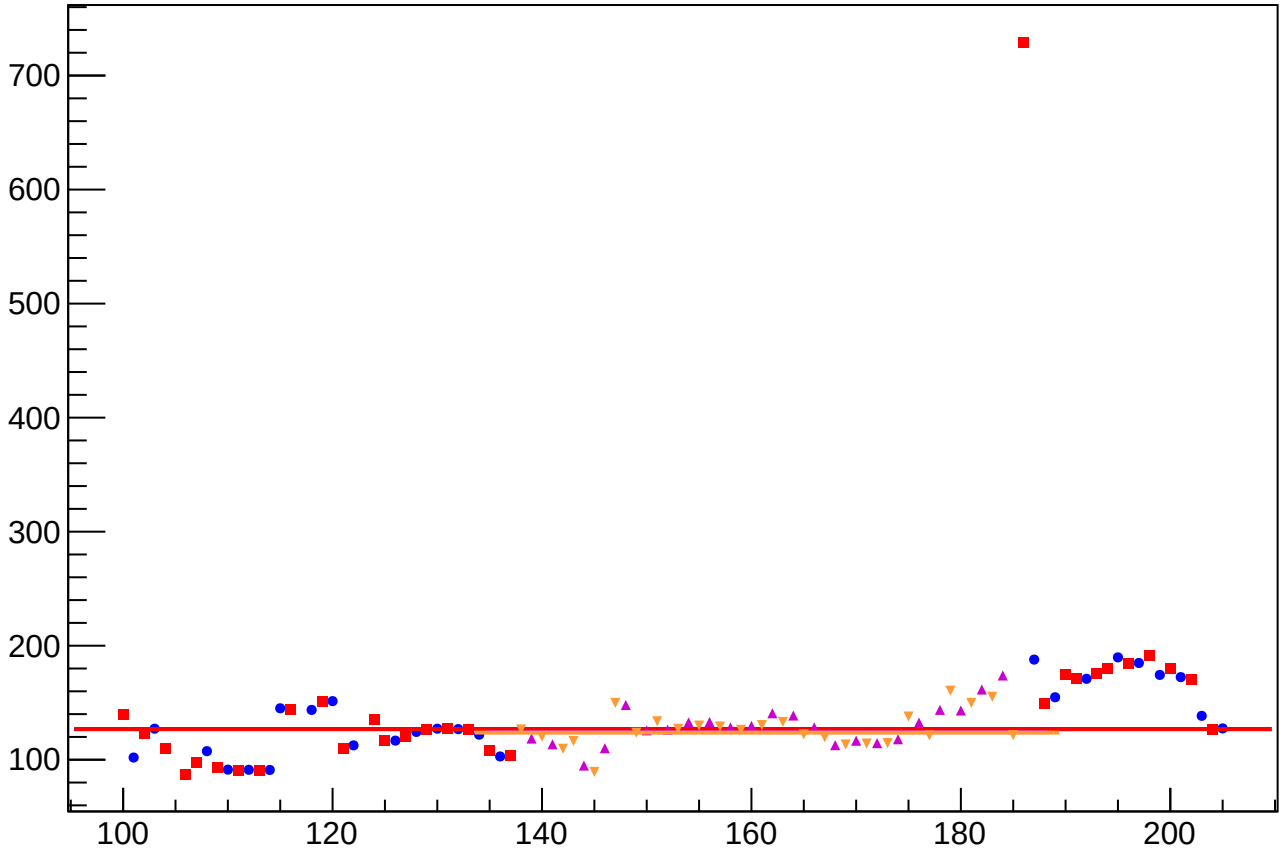
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 197.414+/-22.002 χ^2/NDF: 69.1/49

All: 4.514+/-15.602 χ^2/NDF: 287.6/102

- sign -190.592+/-22.128 χ^2/NDF: 64.0/52

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.880+/-0.024 χ^2/NDF: 2304493.0/29

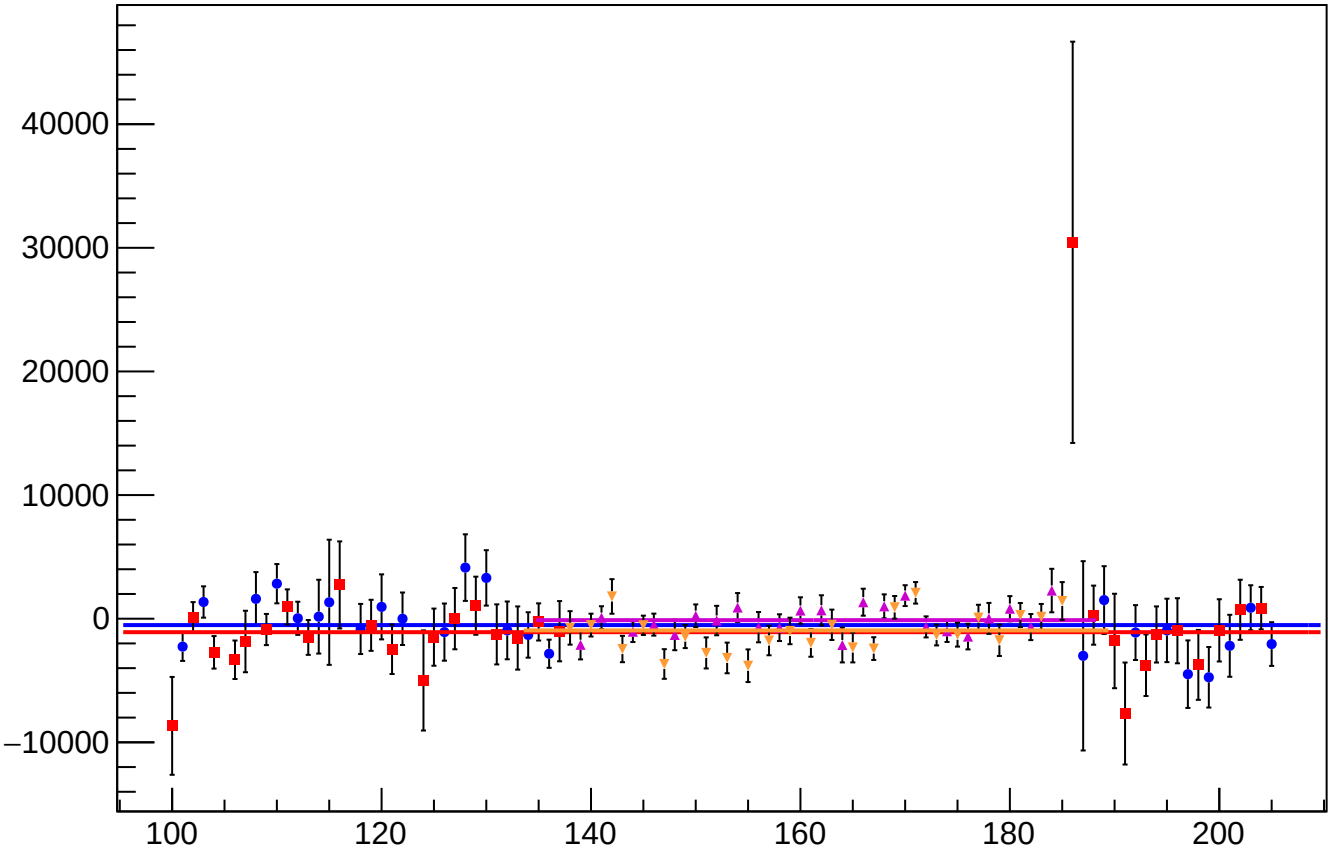
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.041+/-0.016 χ^2/NDF: 1977644.5/49

All: 125.212+/-0.011 χ^2/NDF: 4846476.6/102

- sign 125.386+/-0.016 χ^2/NDF: 2868586.6/52

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -516.607+/-387.464 χ^2/NDF: 28.5/24

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1090.432+/-373.036 χ^2/NDF: 25.1/29

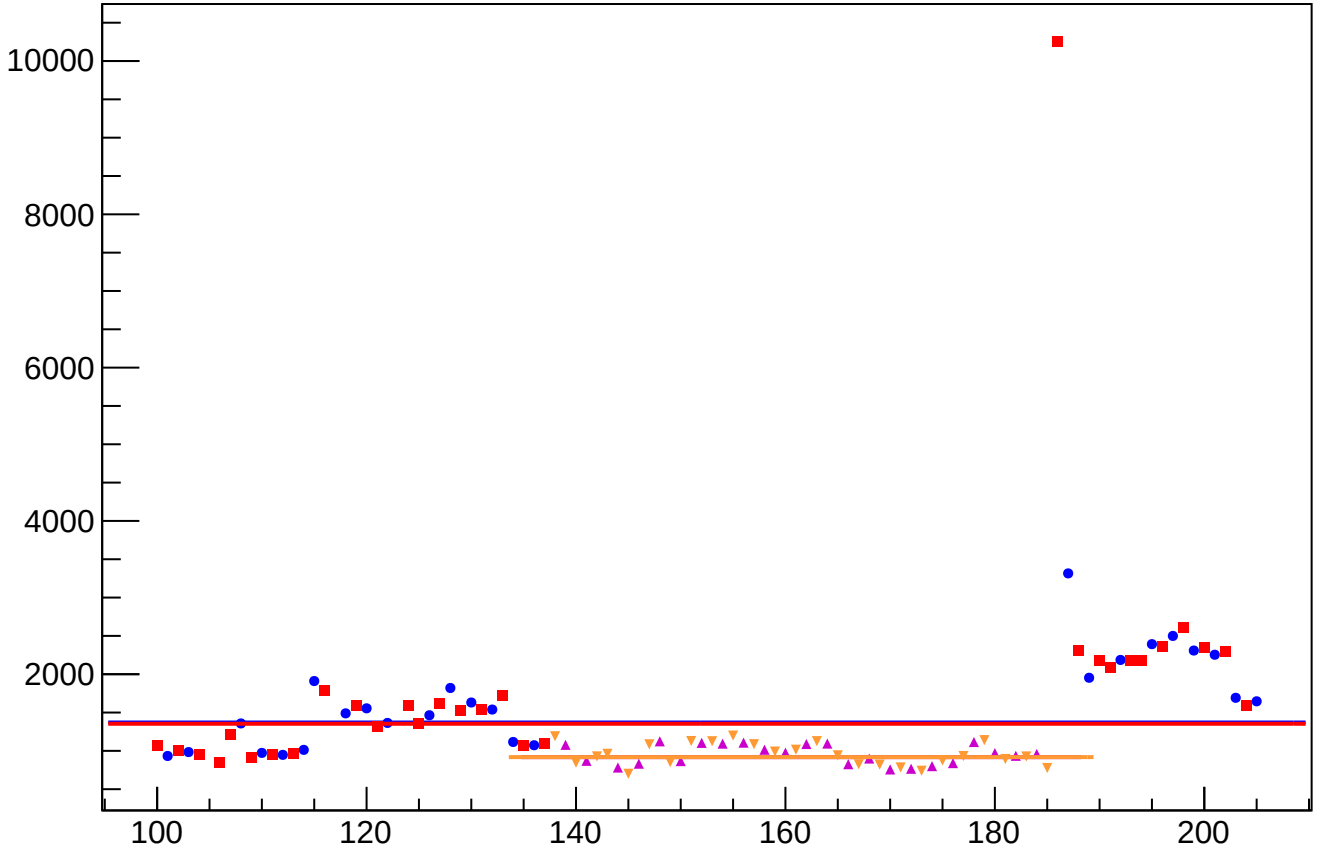
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -848.542+/-185.842 χ^2/NDF: 79.8/49

All: -608.885+/-132.055 χ^2/NDF: 137.7/102

- sign -364.467+/-187.679 χ^2/NDF: 54.6/52

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1369.852+/-0.274 χ^2/NDF: 2937967.2/24

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1353.691+/-0.264 χ^2/NDF: 4290285.4/29

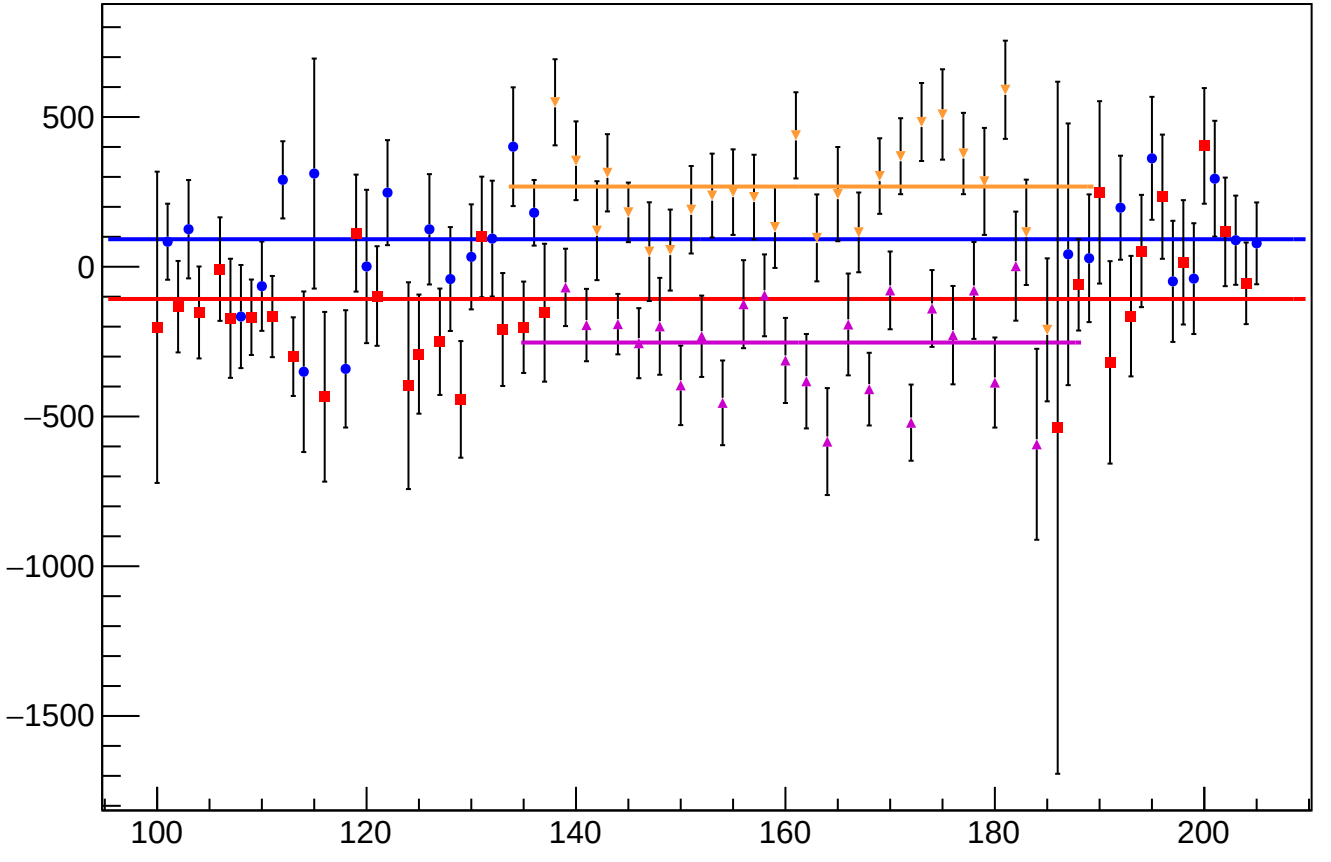
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1022.335+/-0.131 χ^2/NDF: 5915352.8/49

All: 1025.359+/-0.093 χ^2/NDF: 12908650.5/1

- sign 1028.443+/-0.133 χ^2/NDF: 6992228.1/52

cor_asym_sam_48_dd_mean vs Slug



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -107.576+/-33.742 χ^2/NDF: 27.2/29

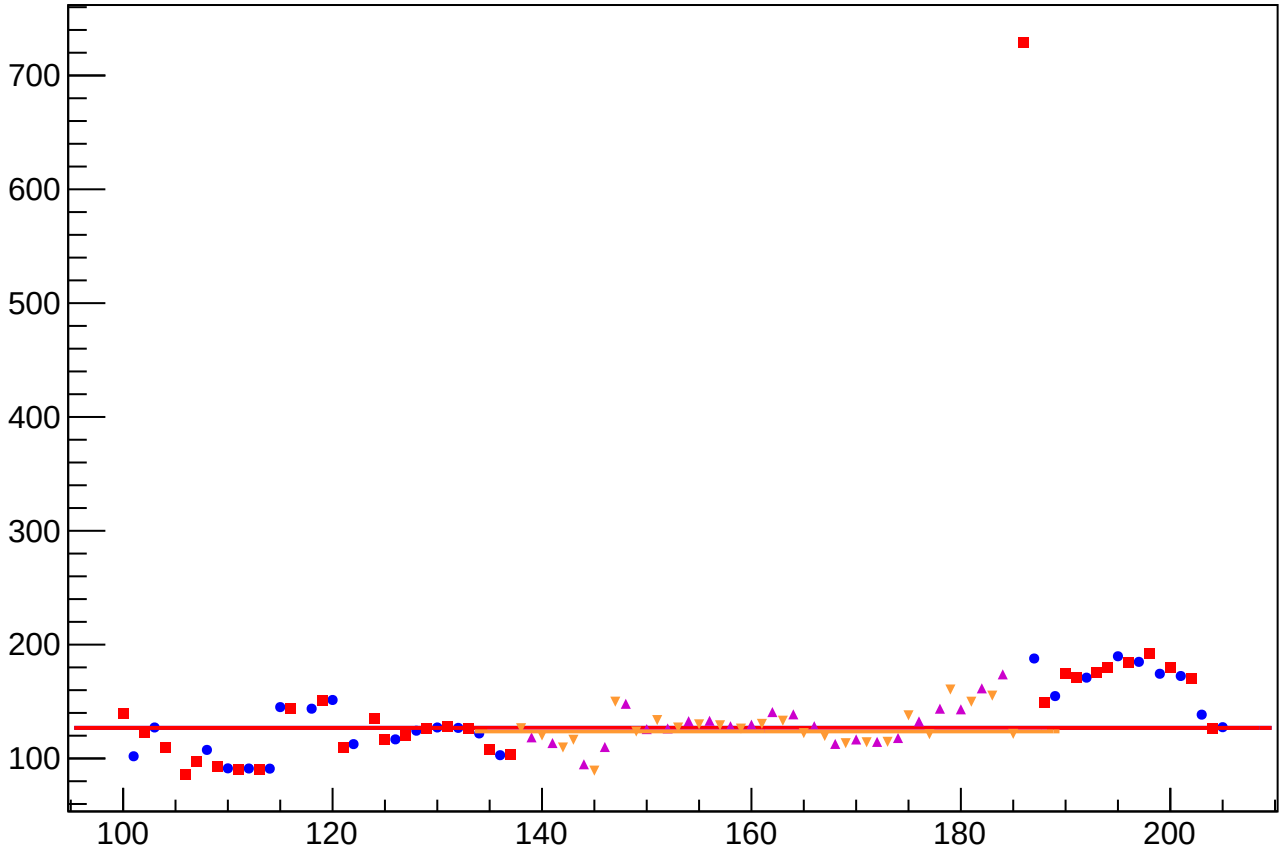
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 197.415+/-22.002 χ^2/NDF: 69.1/49

All: 4.578+/-15.603 χ^2/NDF: 287.6/102

- sign -190.481+/-22.129 χ^2/NDF: 64.0/52

cor_asym_sam_48_dd_rms vs Slug



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

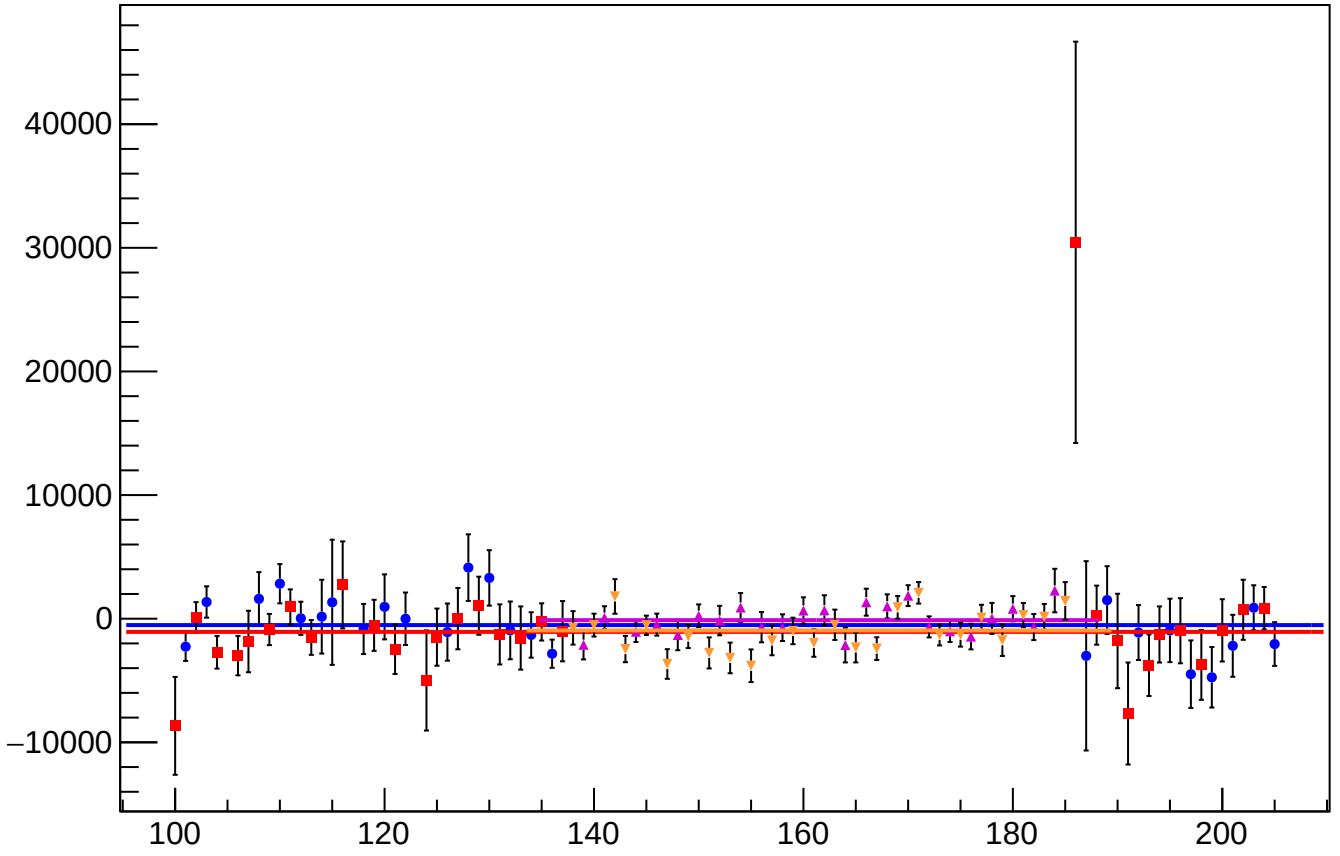
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.041+/-0.016 χ^2/NDF: 1977644.7/49

All: 125.205+/-0.011 χ^2/NDF: 4852042.8/102

- sign 125.371+/-0.016 χ^2/NDF: 2874174.0/52

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -516.677+/-387.467 χ^2/NDF: 28.5/24

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1066.472+/-373.540 χ^2/NDF: 24.5/29

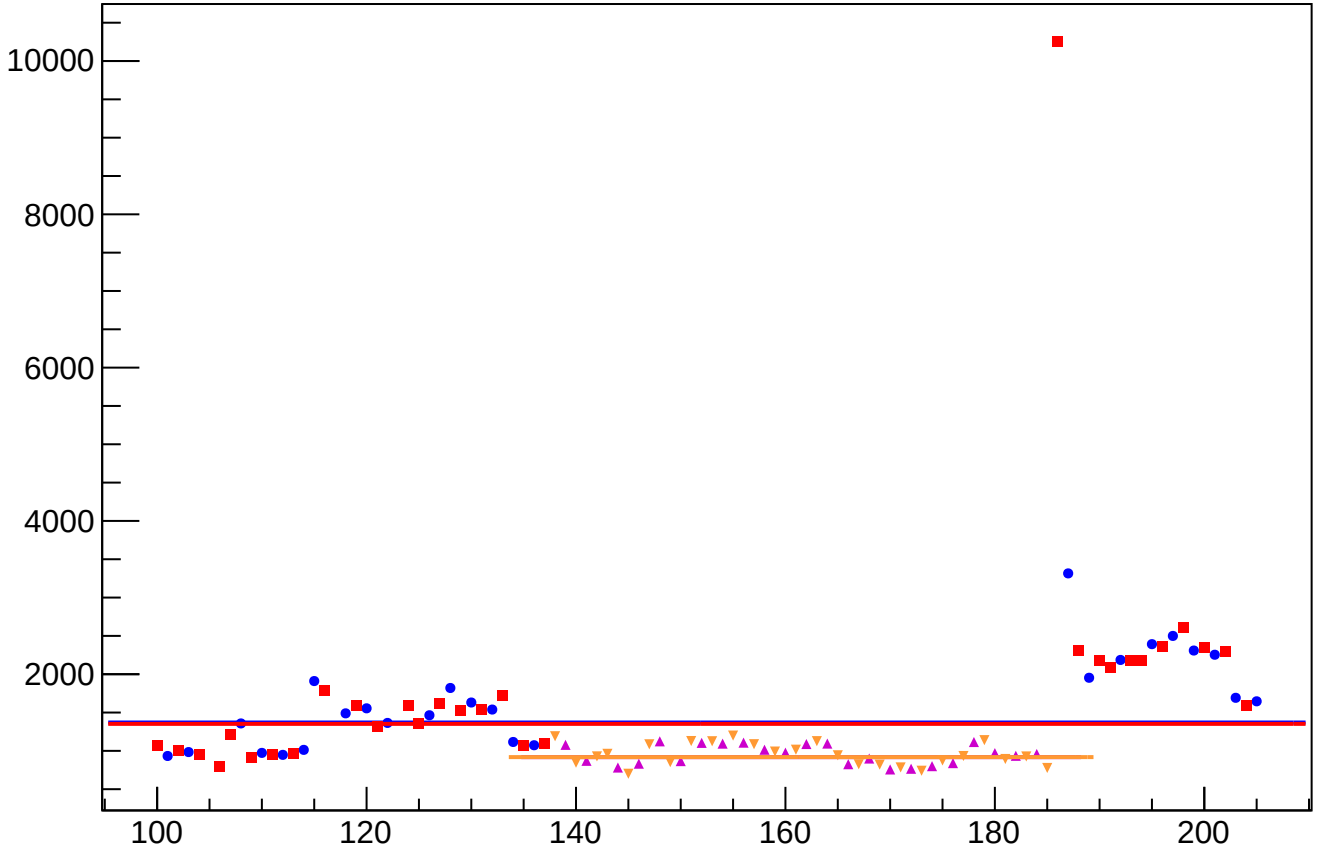
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -848.551+/-185.842 χ^2/NDF: 79.8/49

All: -605.732+/-132.077 χ^2/NDF: 136.9/102

- sign -357.921+/-187.743 χ^2/NDF: 53.7/52

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

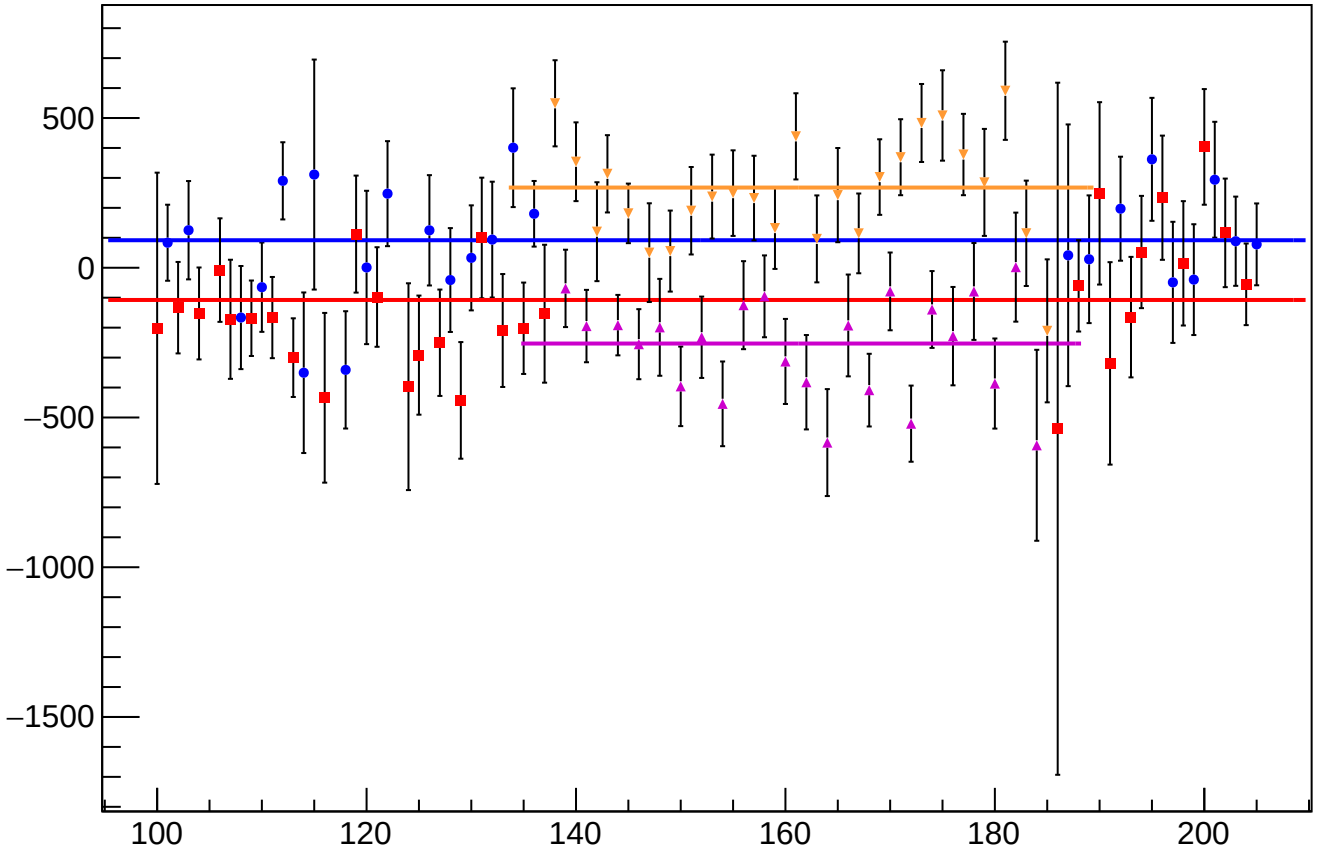
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1022.336+/-0.131 χ^2/NDF: 5915346.6/49

All: 1025.075+/-0.093 χ^2/NDF: 12923656.0/1

- sign 1027.870+/-0.133 χ^2/NDF: 7007431.9/52

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -107.576+/-33.742 χ^2/NDF: 27.2/29

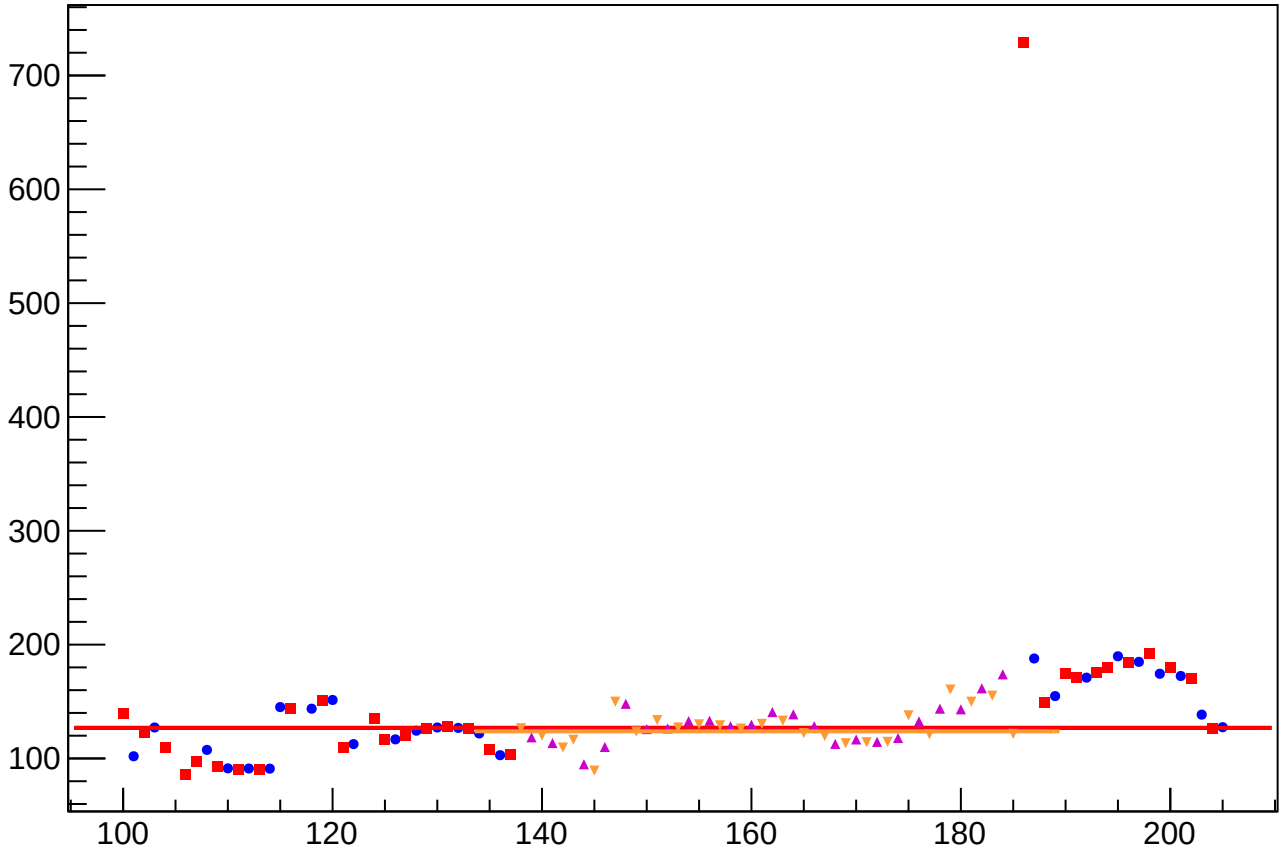
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 197.415+/-22.002 χ^2/NDF: 69.1/49

All: 4.578+/-15.603 χ^2/NDF: 287.6/102

- sign -190.481+/-22.129 χ^2/NDF: 64.0/52

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

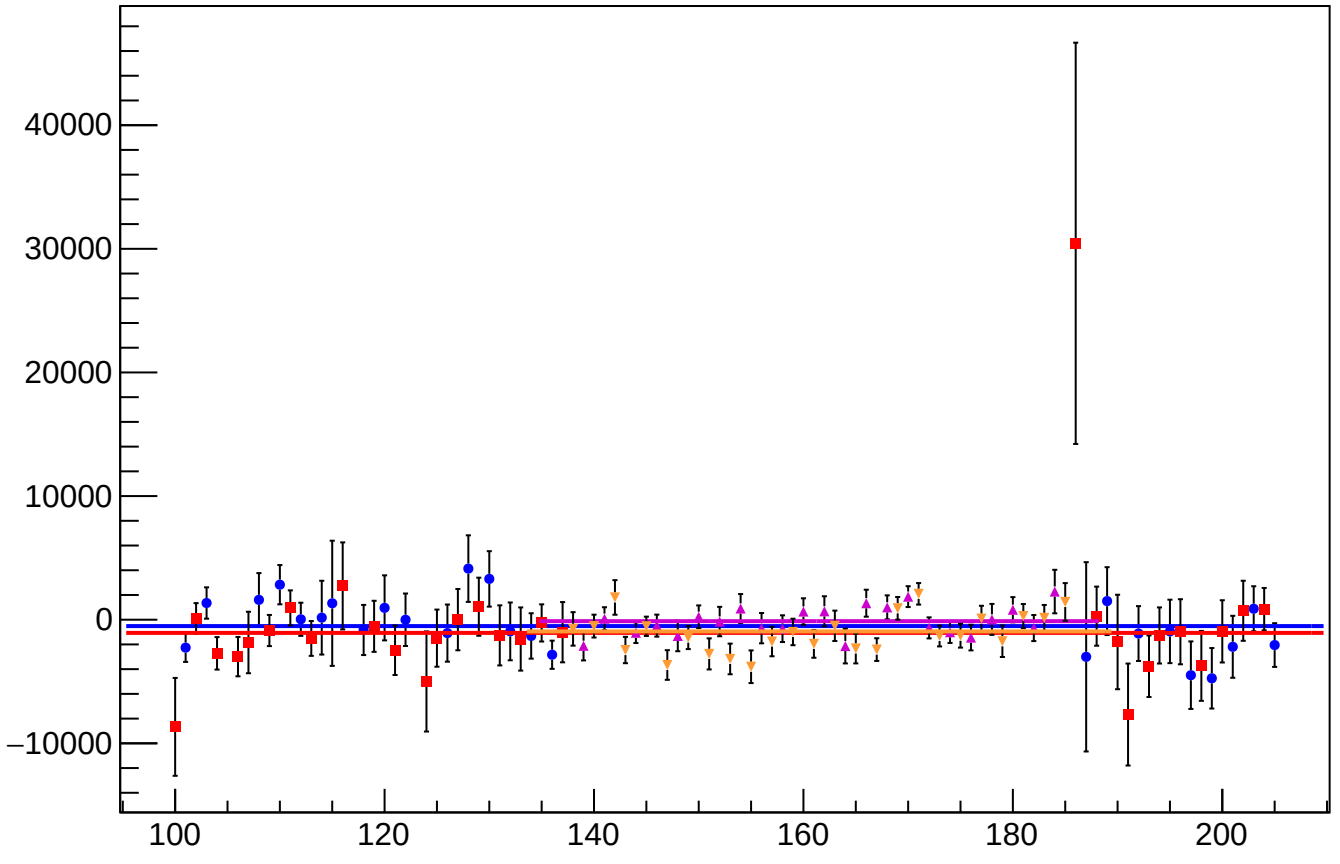
Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.041+/-0.016 χ^2/NDF: 1977644.7/49

All: 125.205+/-0.011 χ^2/NDF: 4852042.8/102

- sign 125.371+/-0.016 χ^2/NDF: 2874174.0/52



Right In: -516.677+/-387.467 χ^2/NDF: 28.5/24

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1066.472+/-373.540 χ^2/NDF: 24.5/29

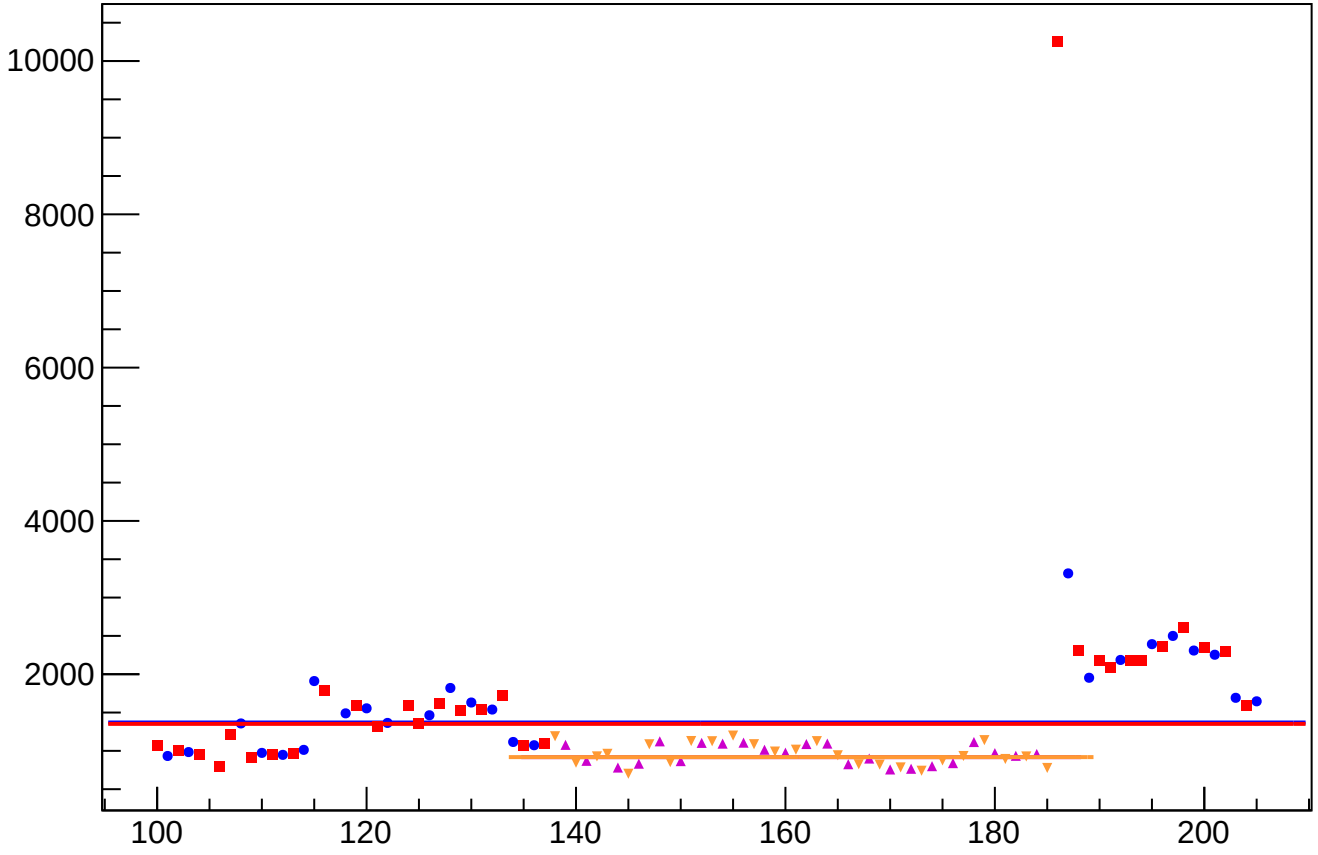
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -848.551+/-185.842 χ^2/NDF: 79.8/49

All: -605.732+/-132.077 χ^2/NDF: 136.9/102

- sign -357.921+/-187.743 χ^2/NDF: 53.7/52

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

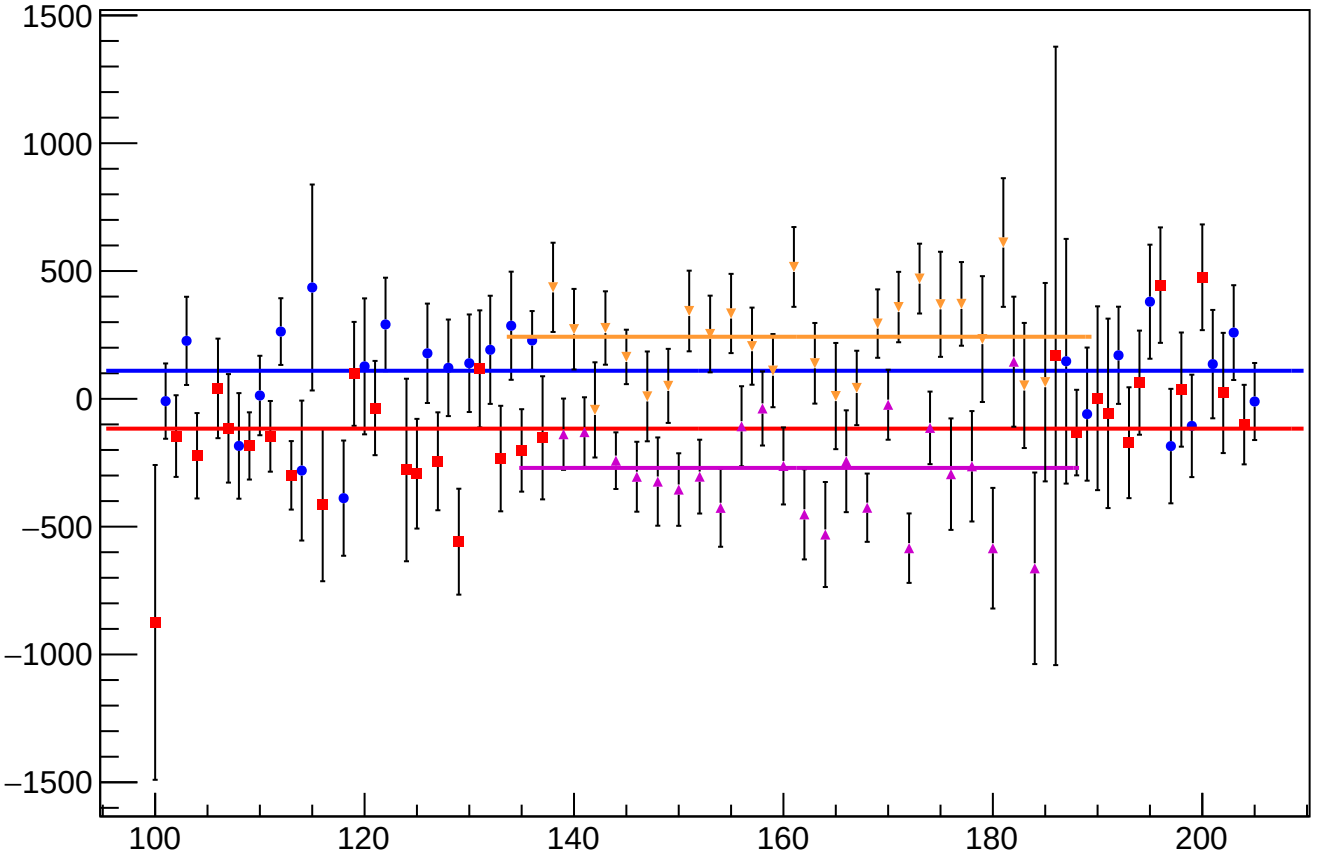
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1022.336+/-0.131 χ^2/NDF: 5915346.6/49

All: 1025.075+/-0.093 χ^2/NDF: 12923656.0/1

- sign 1027.870+/-0.133 χ^2/NDF: 7007431.9/52

dit_asym_sam_48_dd_mean vs Slug



Right In: 109.845+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -116.586+/-36.407 χ^2/NDF: 30.9/29

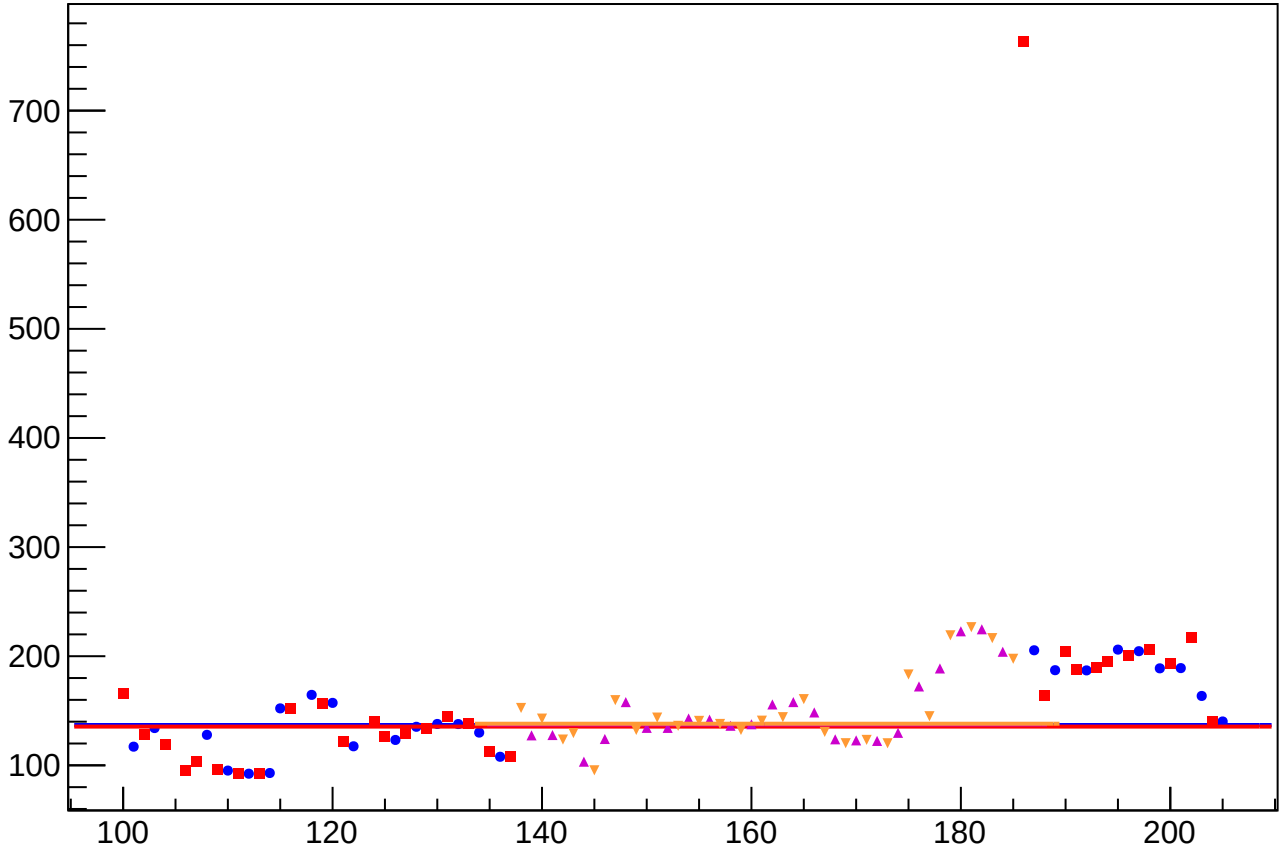
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 187.258+/-24.515 χ^2/NDF: 52.5/49

All: -7.823+/-17.296 χ^2/NDF: 246.0/102

- sign -201.185+/-24.407 χ^2/NDF: 67.4/52

dit_asym_sam_48_dd_rms vs Slug



Right In: 136.957+/-0.027 χ^2/NDF: 1604152.9/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.497+/-0.026 χ^2/NDF: 2620592.3/29

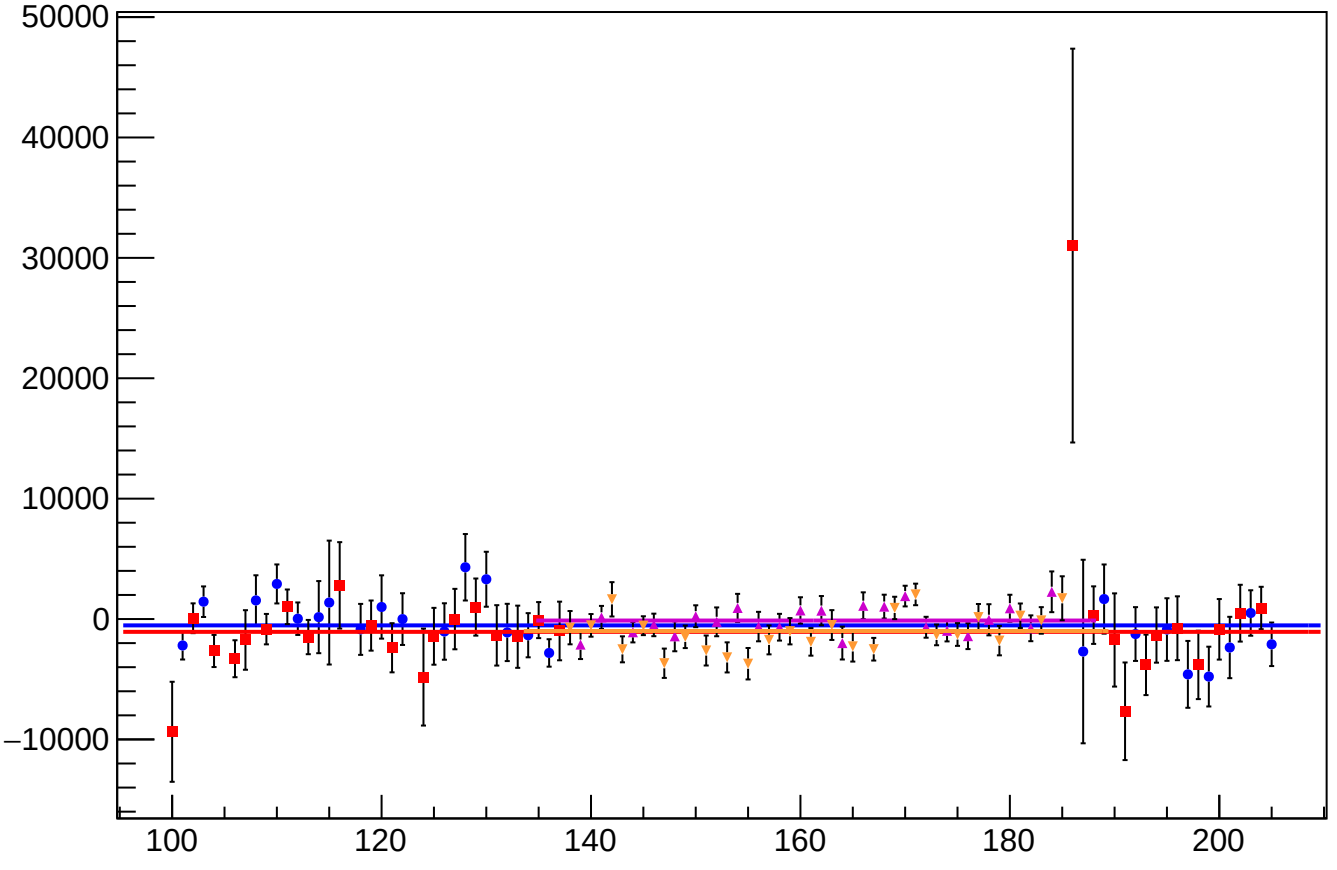
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.638+/-0.017 χ^2/NDF: 2943569.6/49

All: 137.114+/-0.012 χ^2/NDF: 6678620.1/102

- sign 136.595+/-0.017 χ^2/NDF: 3733231.3/52

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1064.057+/-375.482 χ^2/NDF: 25.3/29

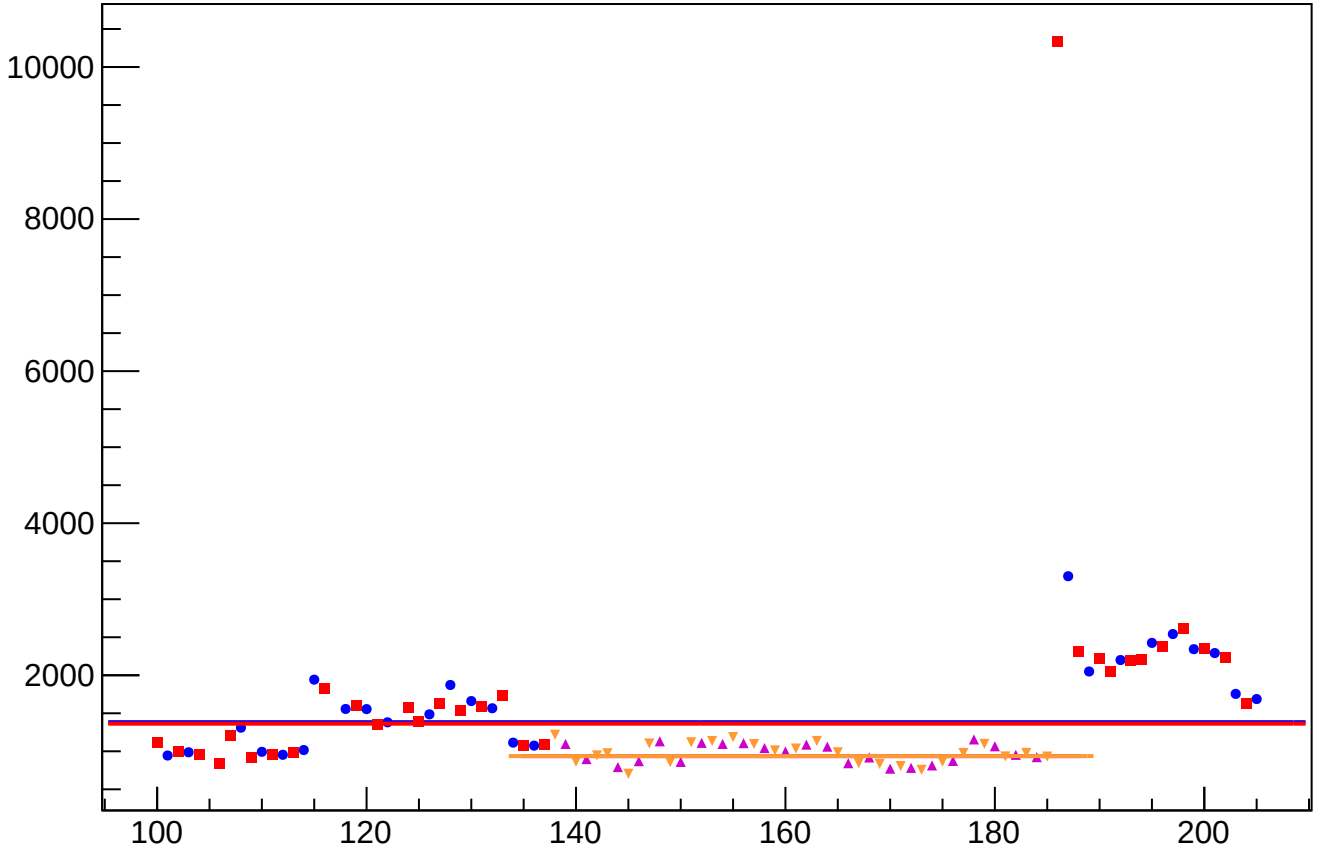
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -884.869+/-188.918 χ^2/NDF: 76.4/49

All: -628.407+/-134.209 χ^2/NDF: 133.9/102

- sign -367.100+/-190.694 χ^2/NDF: 53.8/52

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1383.196+/-0.277 χ^2/NDF: 3031588.1/24

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285923.2/29

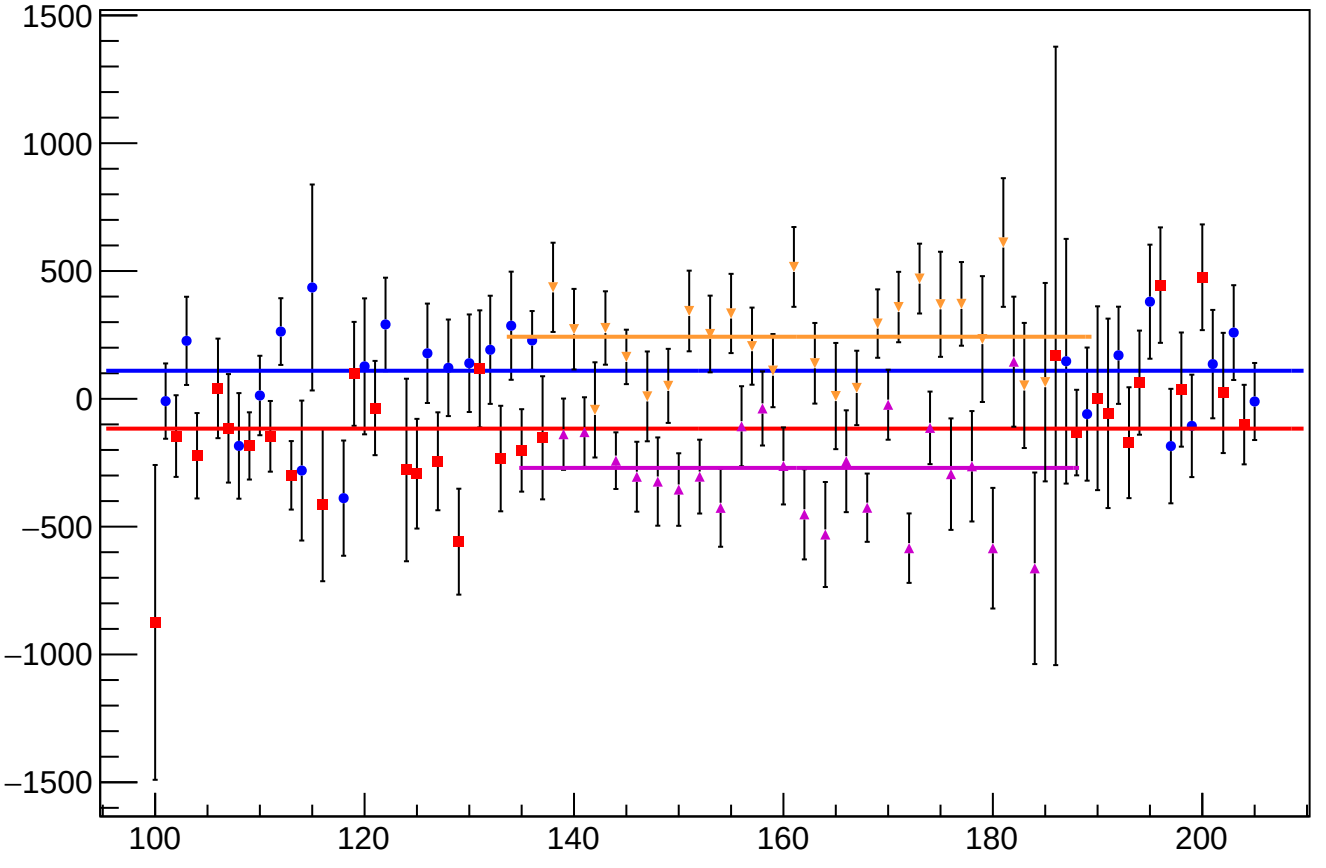
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1040.575+/-0.134 χ^2/NDF: 5857589.5/49

All: 1043.508+/-0.095 χ^2/NDF: 12705939.7/1

- sign 1046.496+/-0.135 χ^2/NDF: 6847377.1/52

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 109.847+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -116.586+/-36.407 χ^2/NDF: 30.9/29

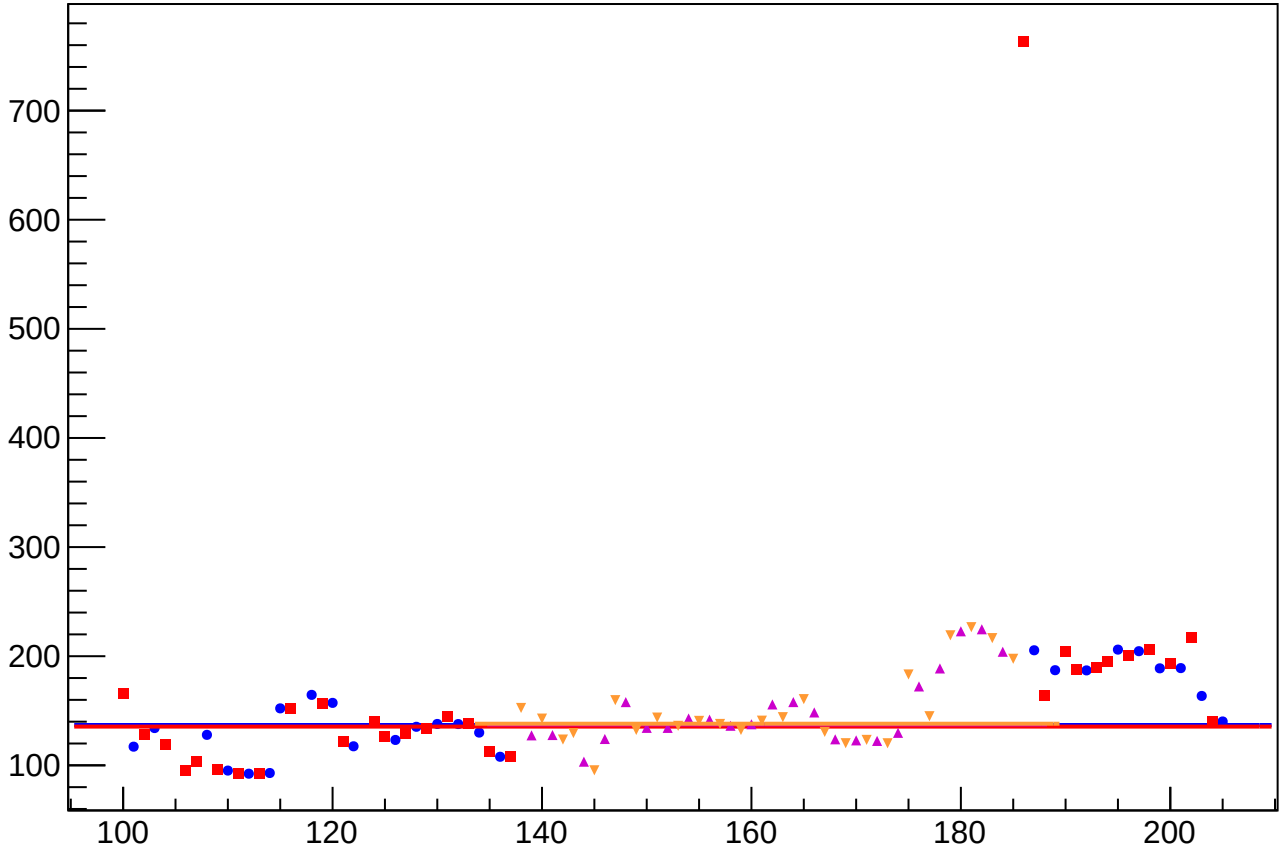
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 187.260+/-24.515 χ^2/NDF: 52.5/49

All: -7.822+/-17.296 χ^2/NDF: 246.0/102

- sign -201.186+/-24.407 χ^2/NDF: 67.4/52

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 136.957+/-0.027 χ^2/NDF: 1604140.3/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

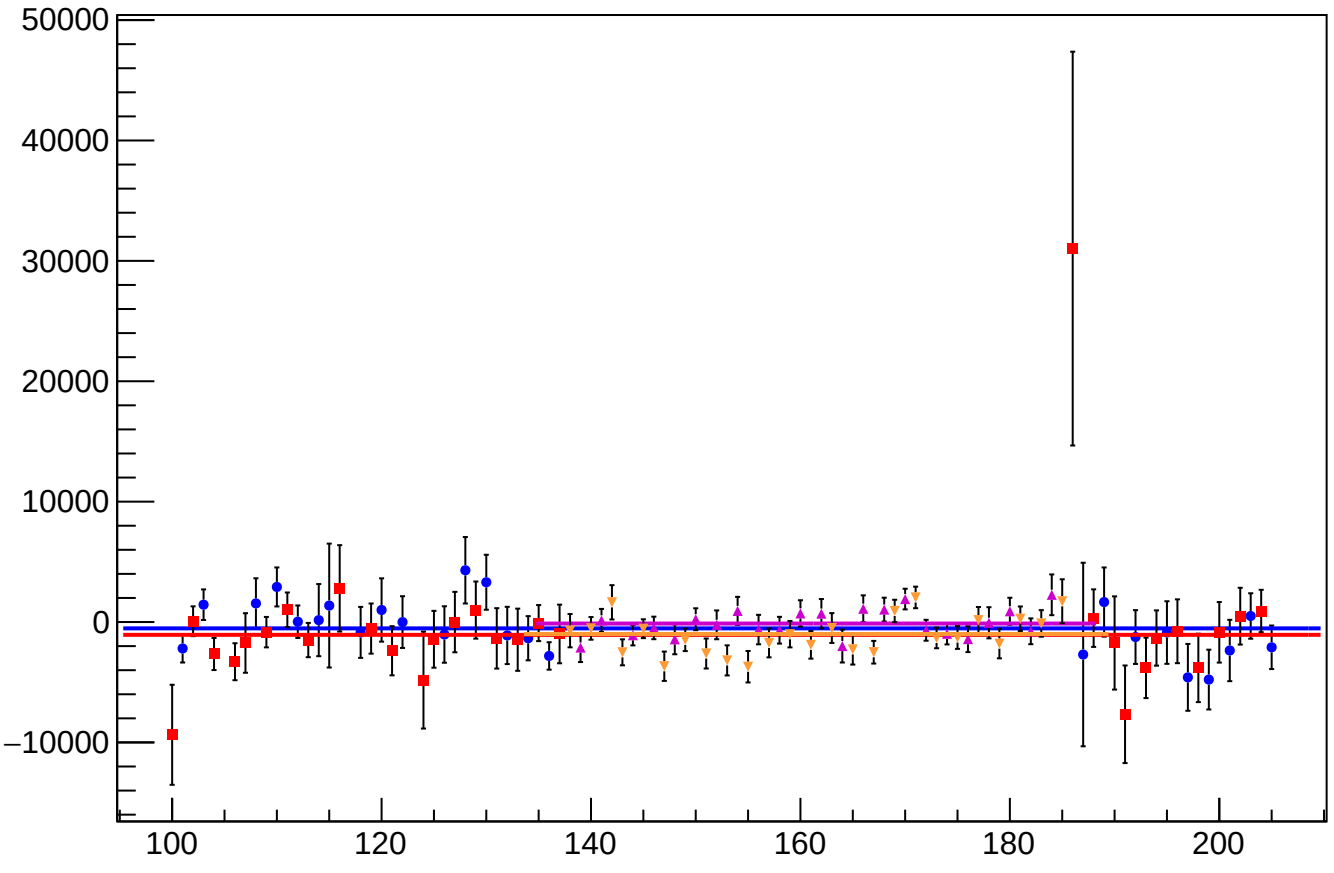
Right Out: 135.497+/-0.026 χ^2/NDF: 2620599.1/29

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.638+/-0.017 χ^2/NDF: 2943560.3/49

All: 137.114+/-0.012 χ^2/NDF: 6678603.8/102

- sign 136.595+/-0.017 χ^2/NDF: 3733224.4/52



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1064.057+/-375.482 χ^2/NDF: 25.3/29

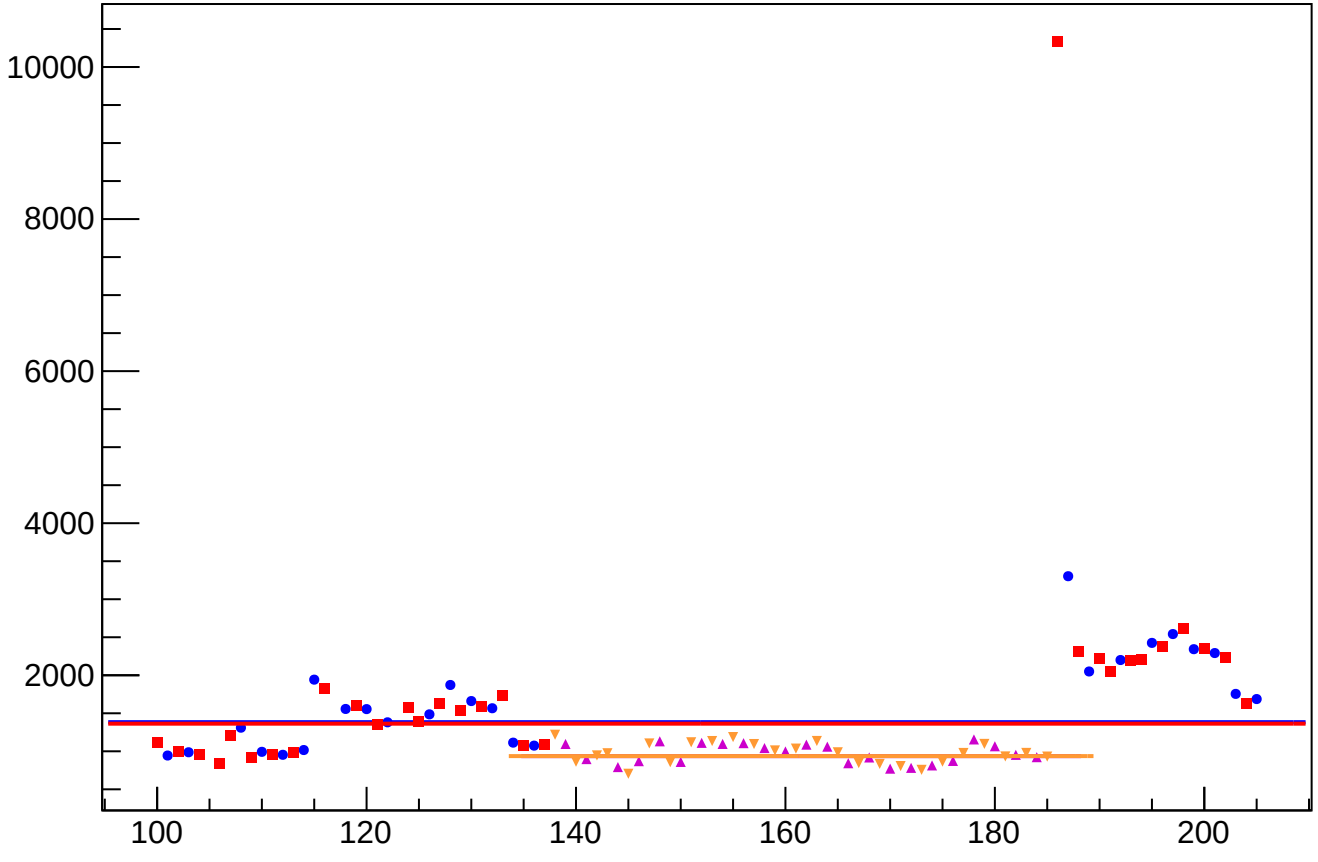
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -884.868+/-188.918 χ^2/NDF: 76.4/49

All: -628.405+/-134.208 χ^2/NDF: 133.9/102

- sign -367.099+/-190.693 χ^2/NDF: 53.8/52

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1383.196+/-0.277 χ^2/NDF: 3031581.5/24

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285914.9/29

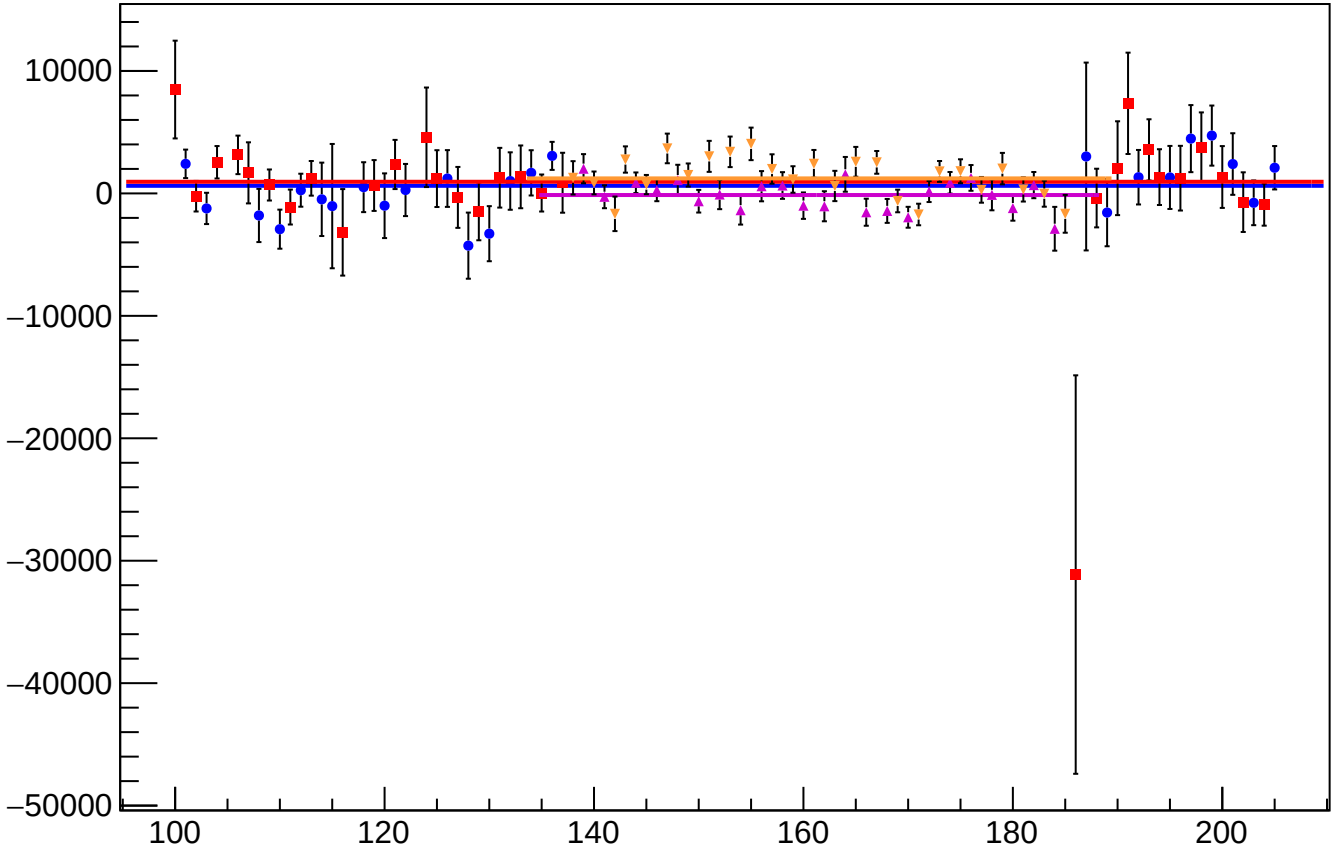
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1040.574+/-0.134 χ^2/NDF: 5857594.3/49

All: 1043.507+/-0.095 χ^2/NDF: 12705940.8/1

- sign 1046.495+/-0.135 χ^2/NDF: 6847373.4/52

asym_sam_48_dd_mean vs Slug



Right In: 621.143+/-389.338 χ^2/NDF: 30.1/24

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 949.990+/-374.914 χ^2/NDF: 25.0/29

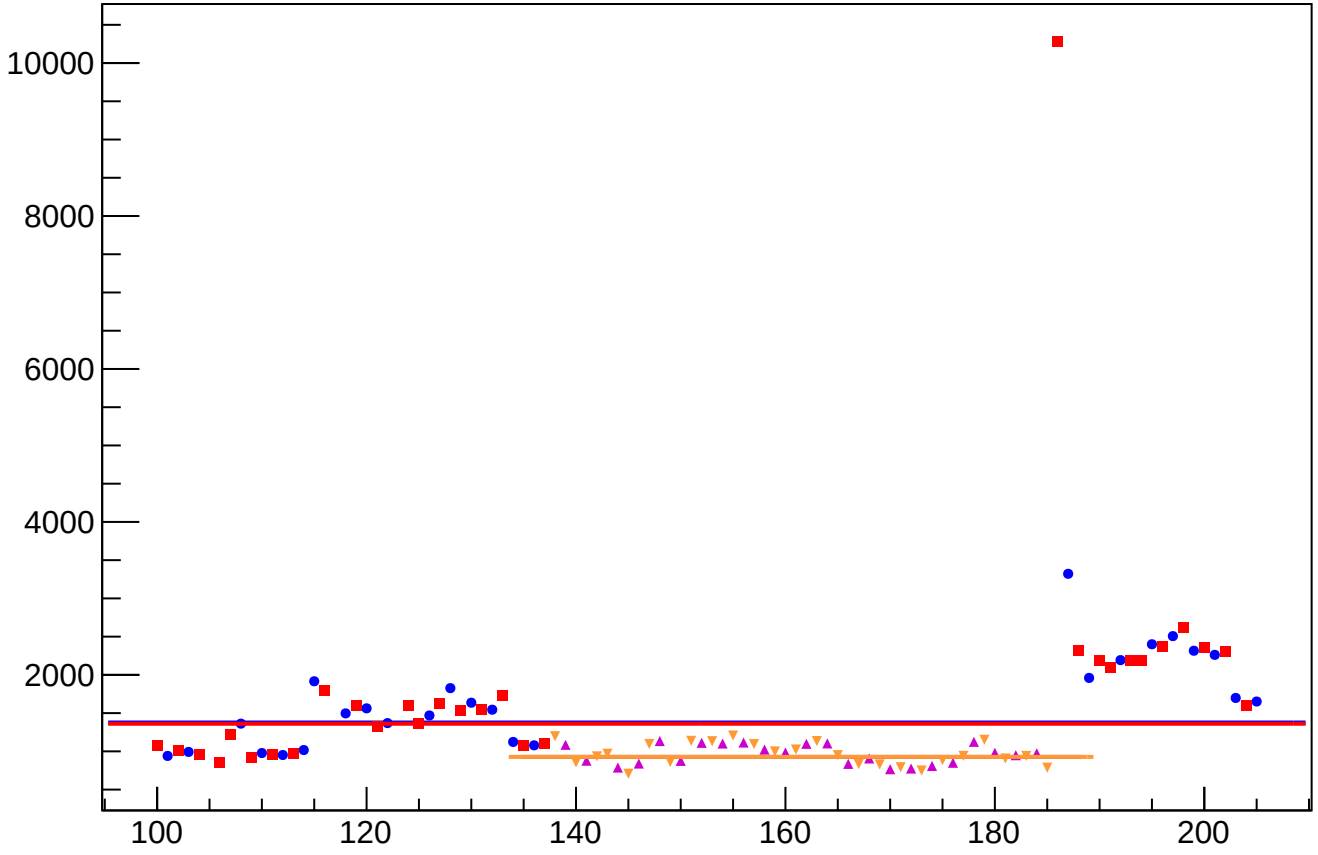
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1085.452+/-187.432 χ^2/NDF: 80.4/49

All: 618.931+/-133.183 χ^2/NDF: 150.0/102

- sign 143.164+/-189.281 χ^2/NDF: 57.1/52

asym_sam_48_dd_rms vs Slug



Right In: 1377.053+/-0.275 χ^2/NDF: 2917280.5/24

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1360.962+/-0.265 χ^2/NDF: 4266326.5/29

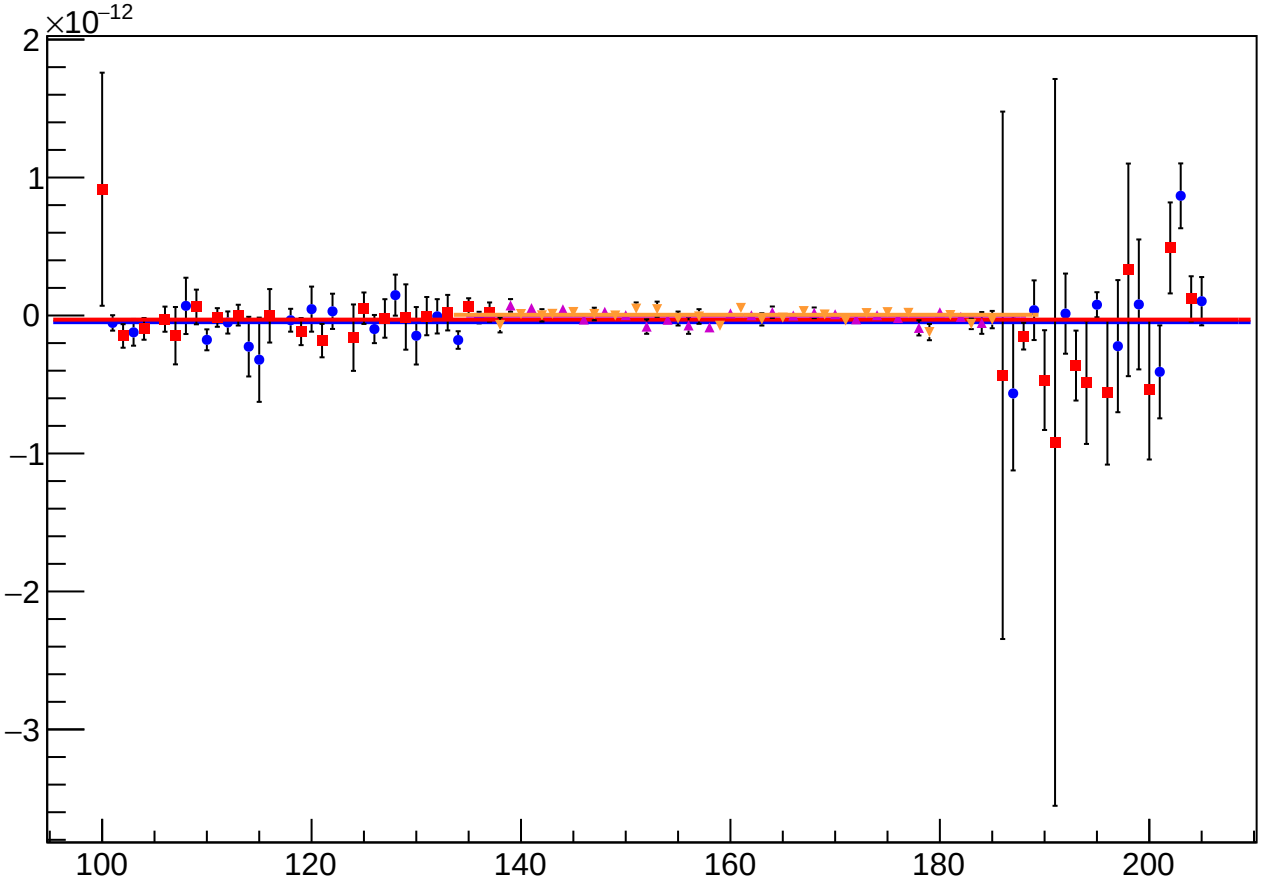
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1031.772+/-0.133 χ^2/NDF: 5839909.6/49

All: 1034.781+/-0.094 χ^2/NDF: 12757470.7/1

- sign 1037.850+/-0.134 χ^2/NDF: 6916519.6/52

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

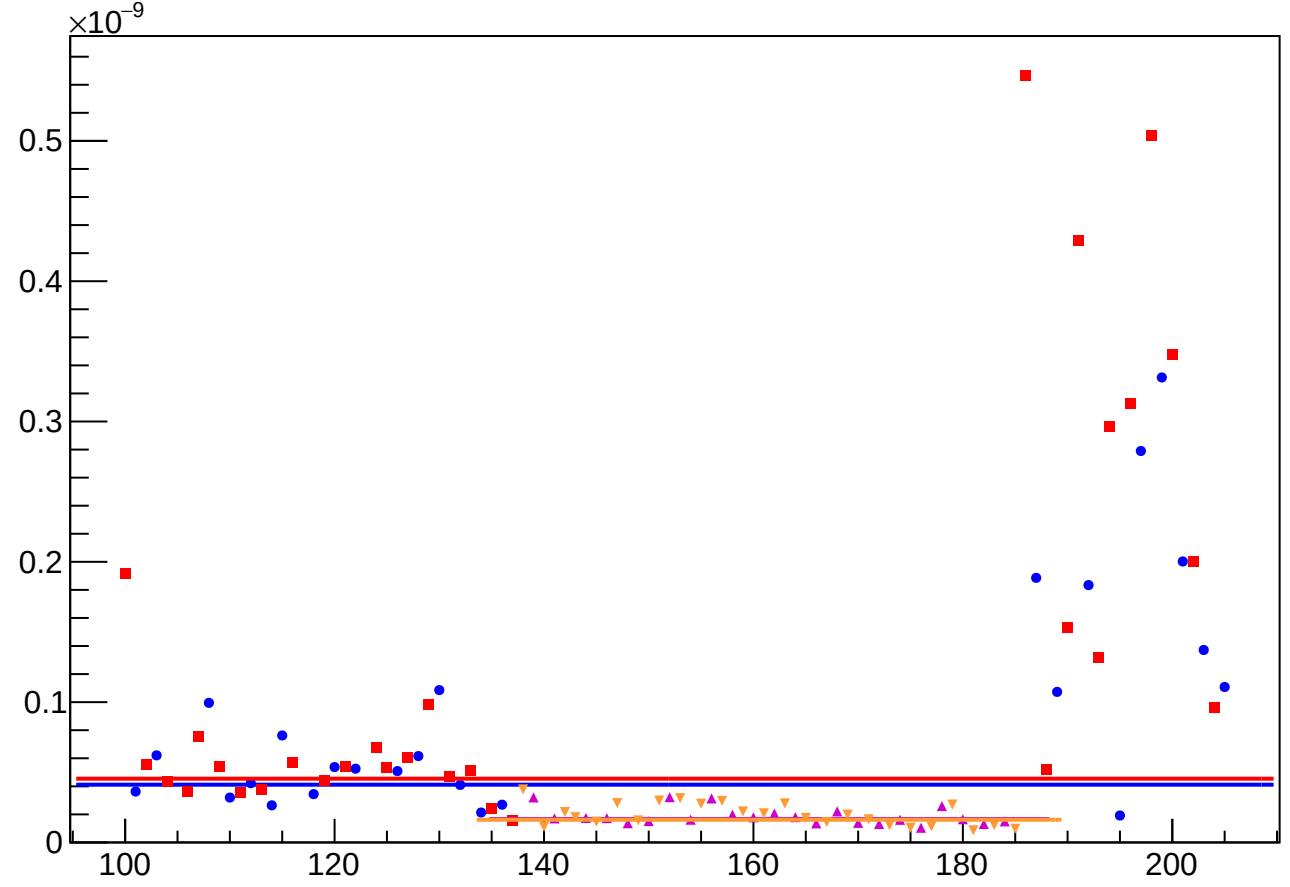
Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/49

All: -0.000+/-0.000 χ^2/NDF: 117.3/102

- sign -0.000+/-0.000 χ^2/NDF: 52.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 4339410.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4820820.6/29

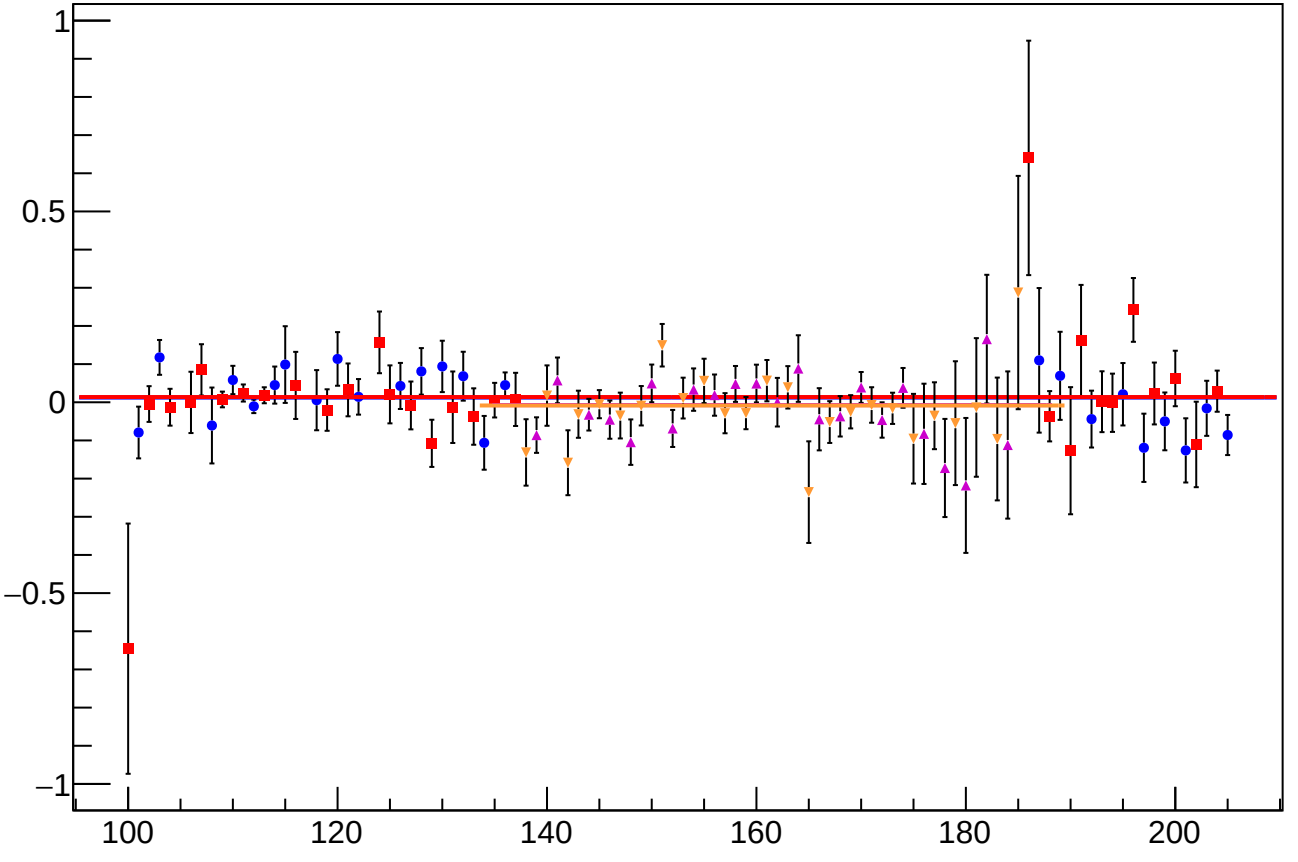
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8996041.8/49

All: 0.000+/-0.000 χ^2/NDF: 17880567.9/102

- sign 0.000+/-0.000 χ^2/NDF: 8868167.0/52

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

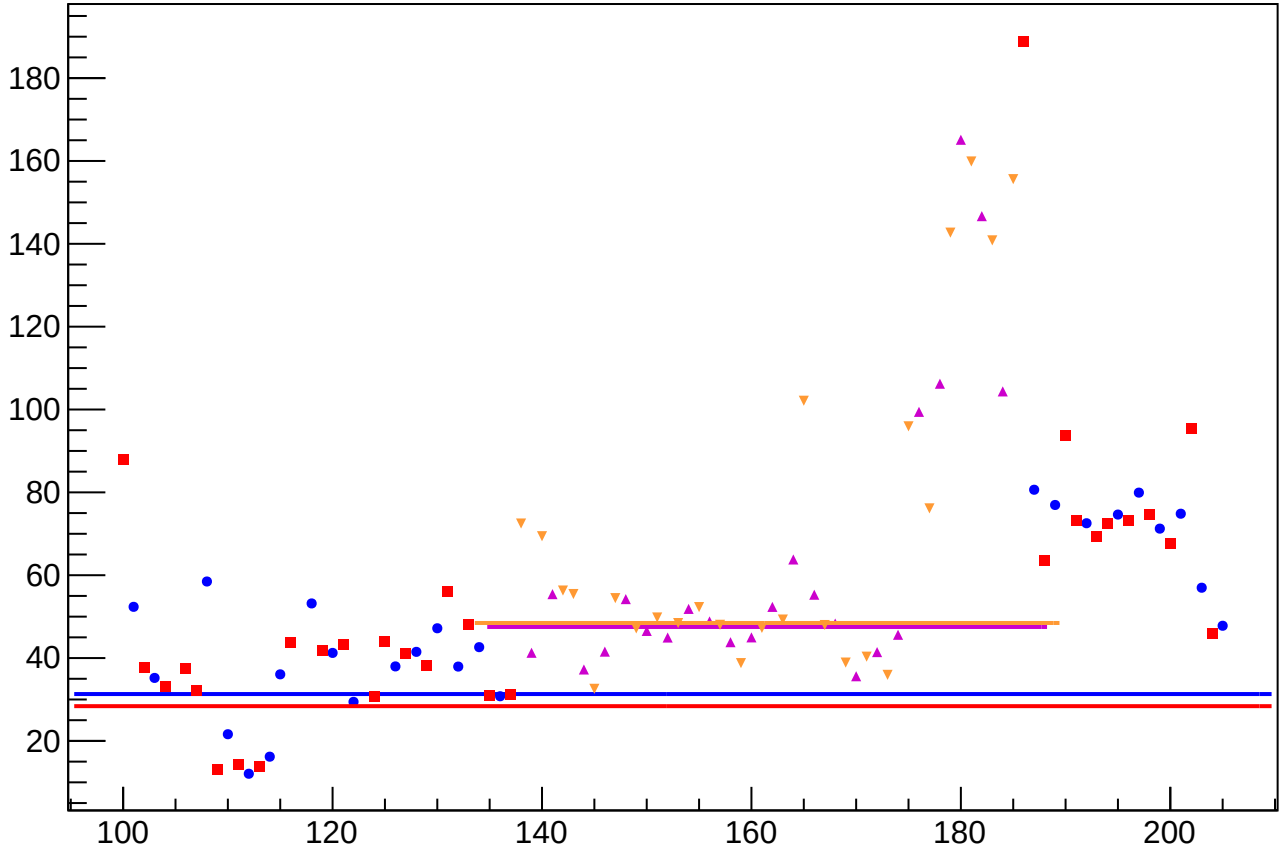
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.3/102

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

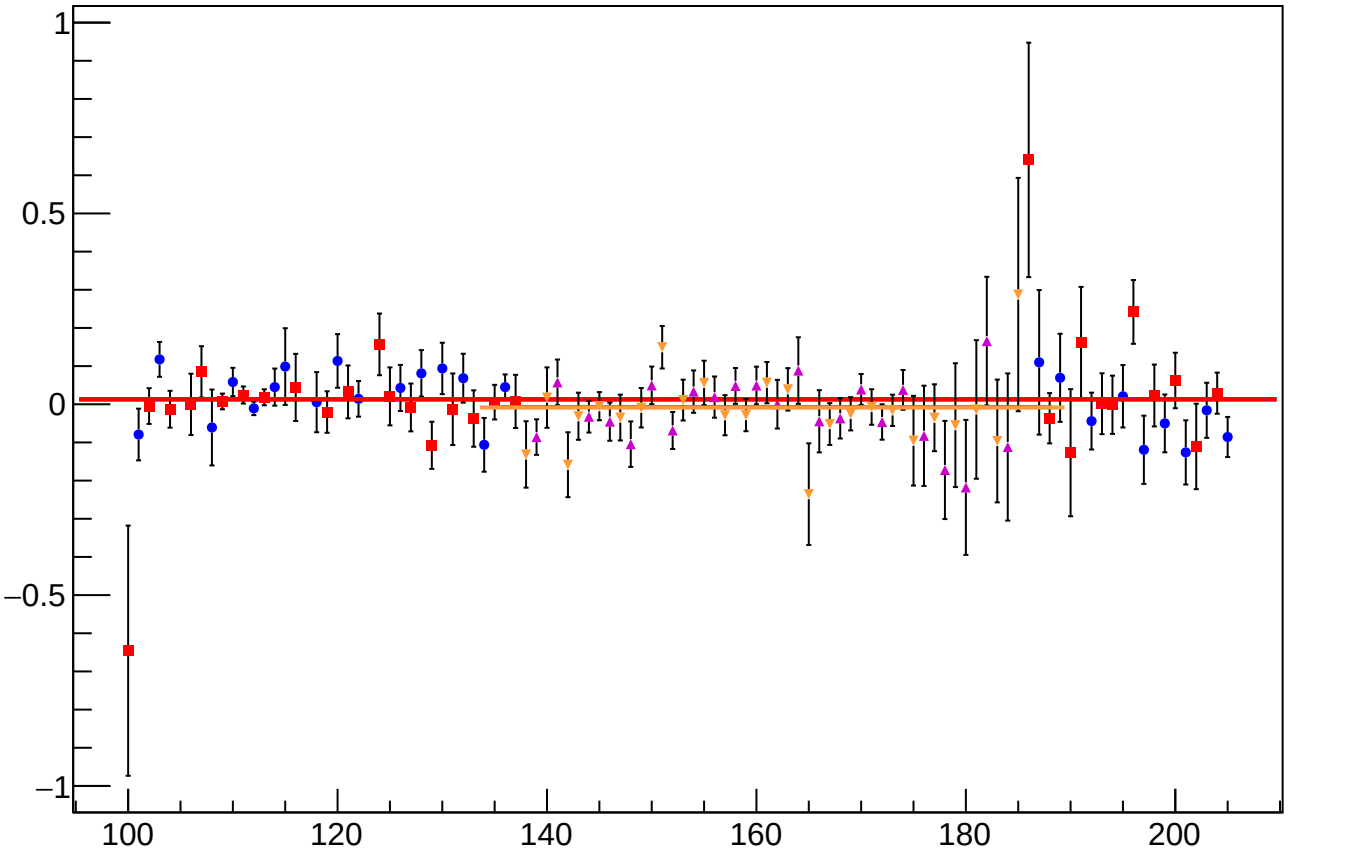
Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.515+/-0.006 χ^2/NDF: 14008161.2/49

All: 36.846+/-0.004 χ^2/NDF: 29846028.3/102

- sign 35.385+/-0.005 χ^2/NDF: 15665185.3/52



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

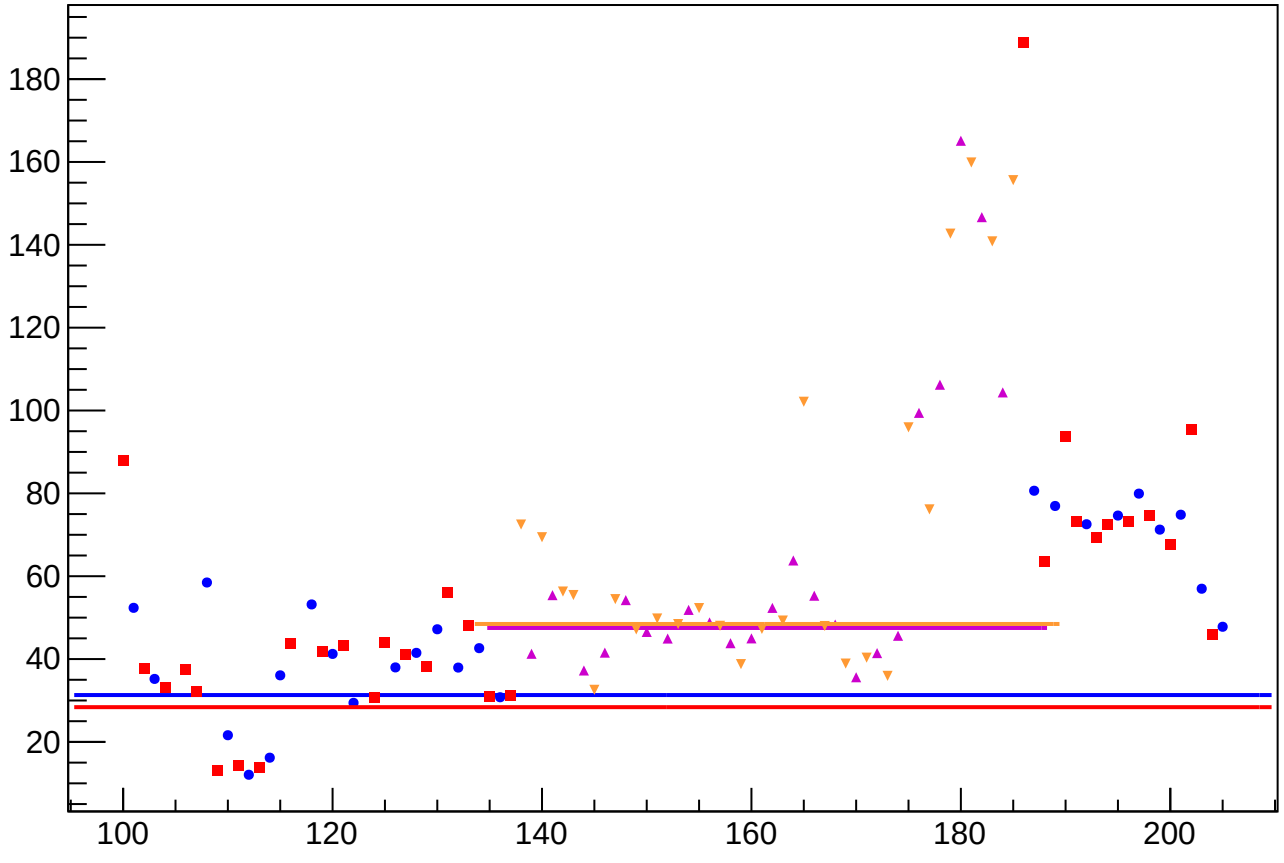
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.3/102

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

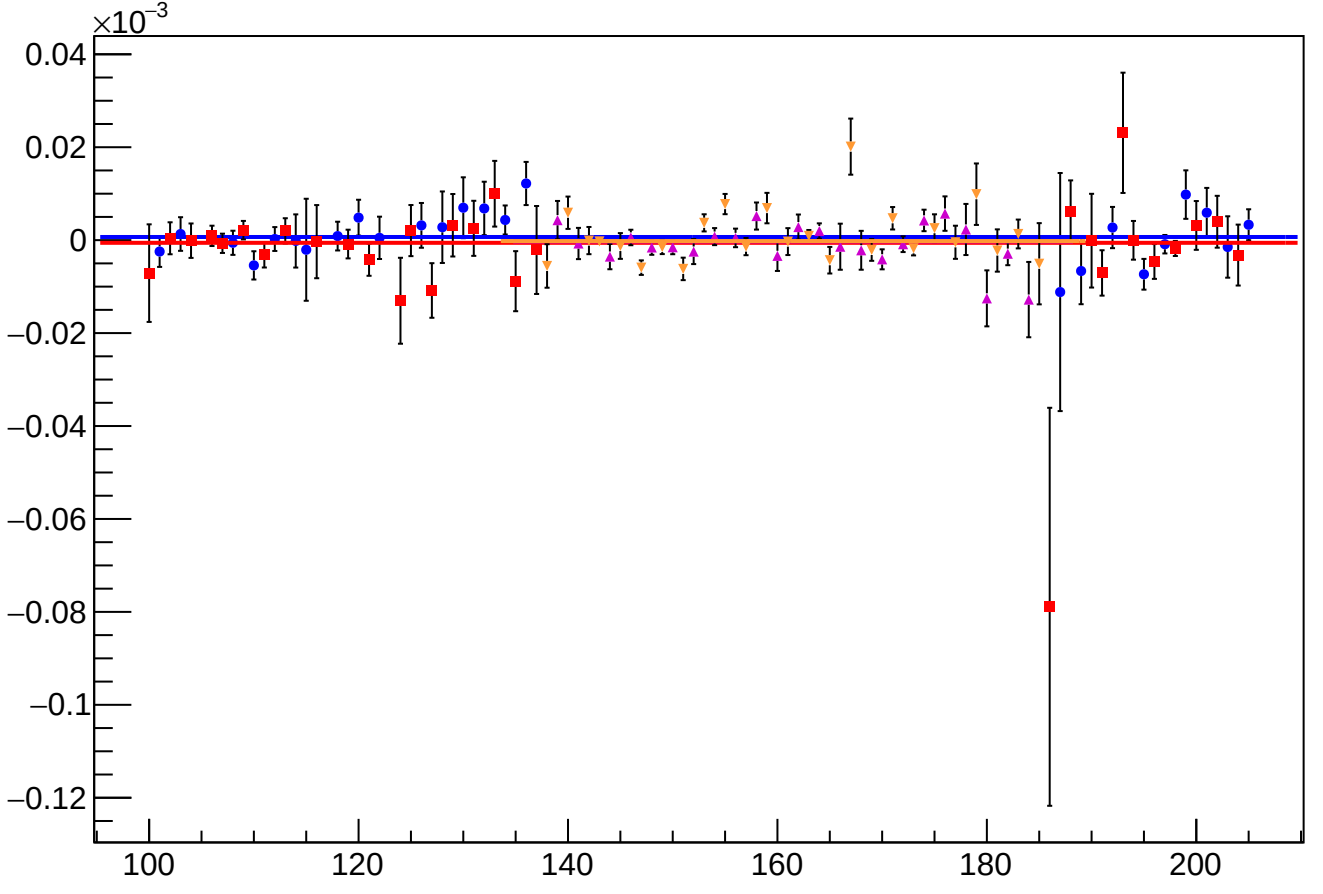
Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.515+/-0.006 χ^2/NDF: 14008161.2/49

All: 36.846+/-0.004 χ^2/NDF: 29846028.3/102

- sign 35.385+/-0.005 χ^2/NDF: 15665185.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

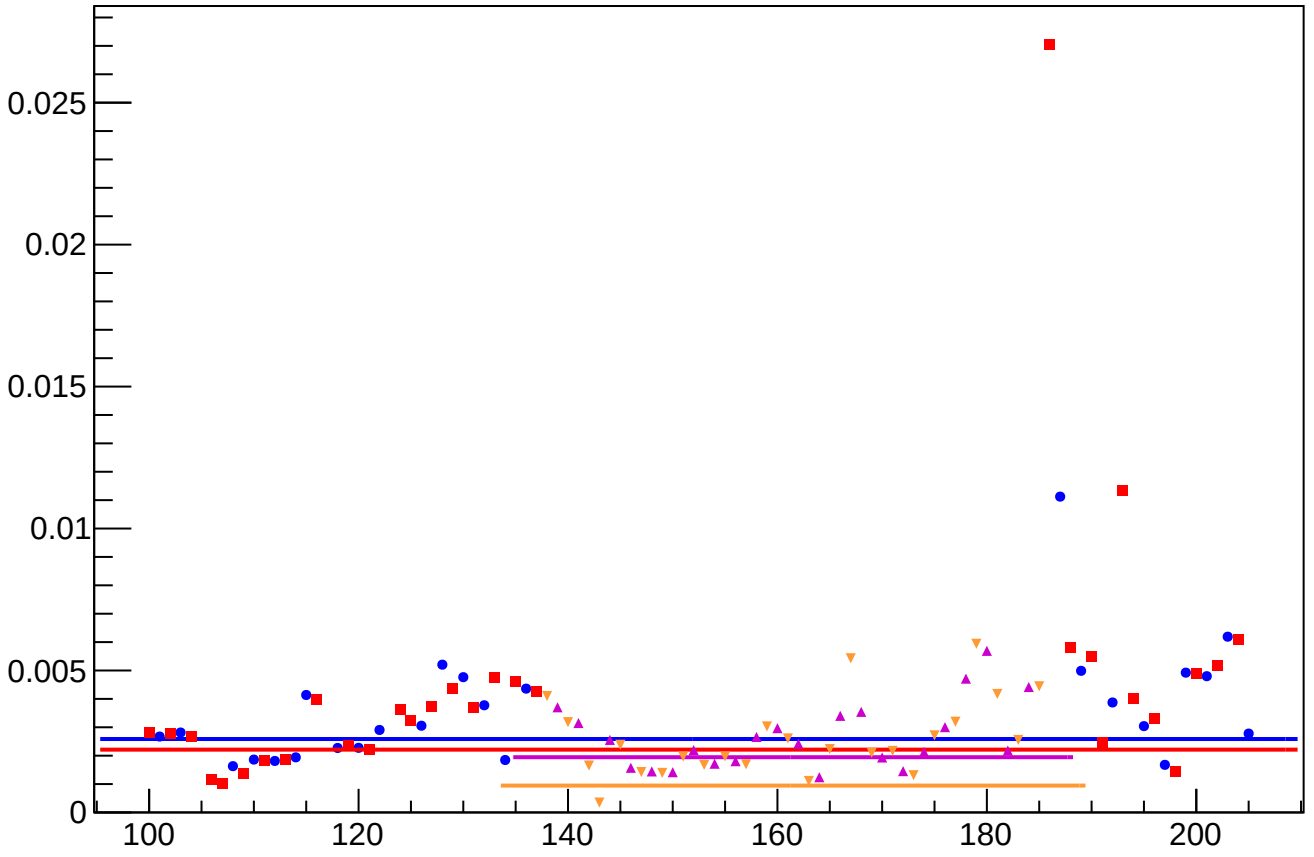
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/29

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 101.9/49

All: -0.000+/-0.000 χ^2/NDF: 161.2/102

- sign -0.000+/-0.000 χ^2/NDF: 58.9/52



Right In: 0.003+/-0.000 χ^2/NDF: 4064851.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8217846.0/29

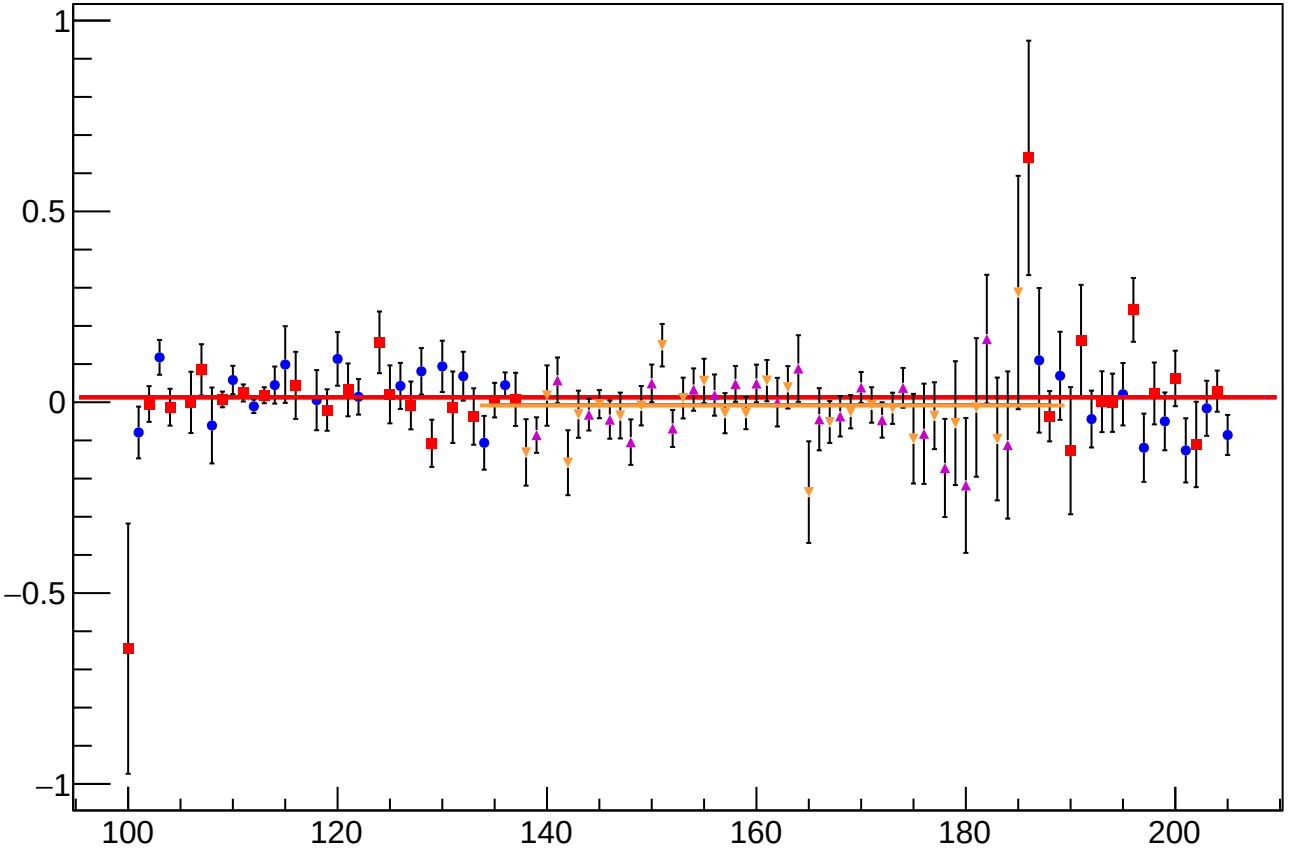
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 29591147.9/49

All: 0.001+/-0.000 χ^2/NDF: 48770512.7/102

- sign 0.002+/-0.000 χ^2/NDF: 12782373.2/52

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

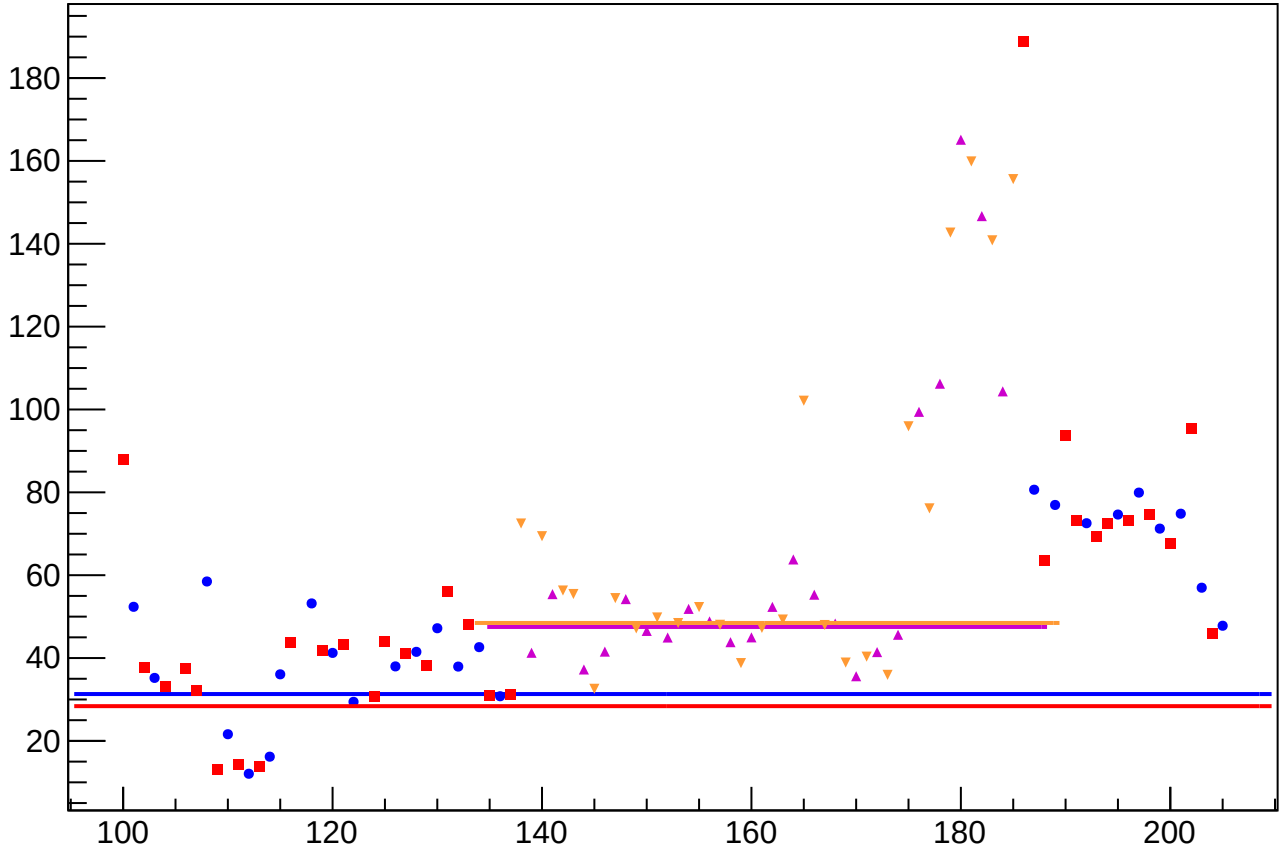
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.3/102

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

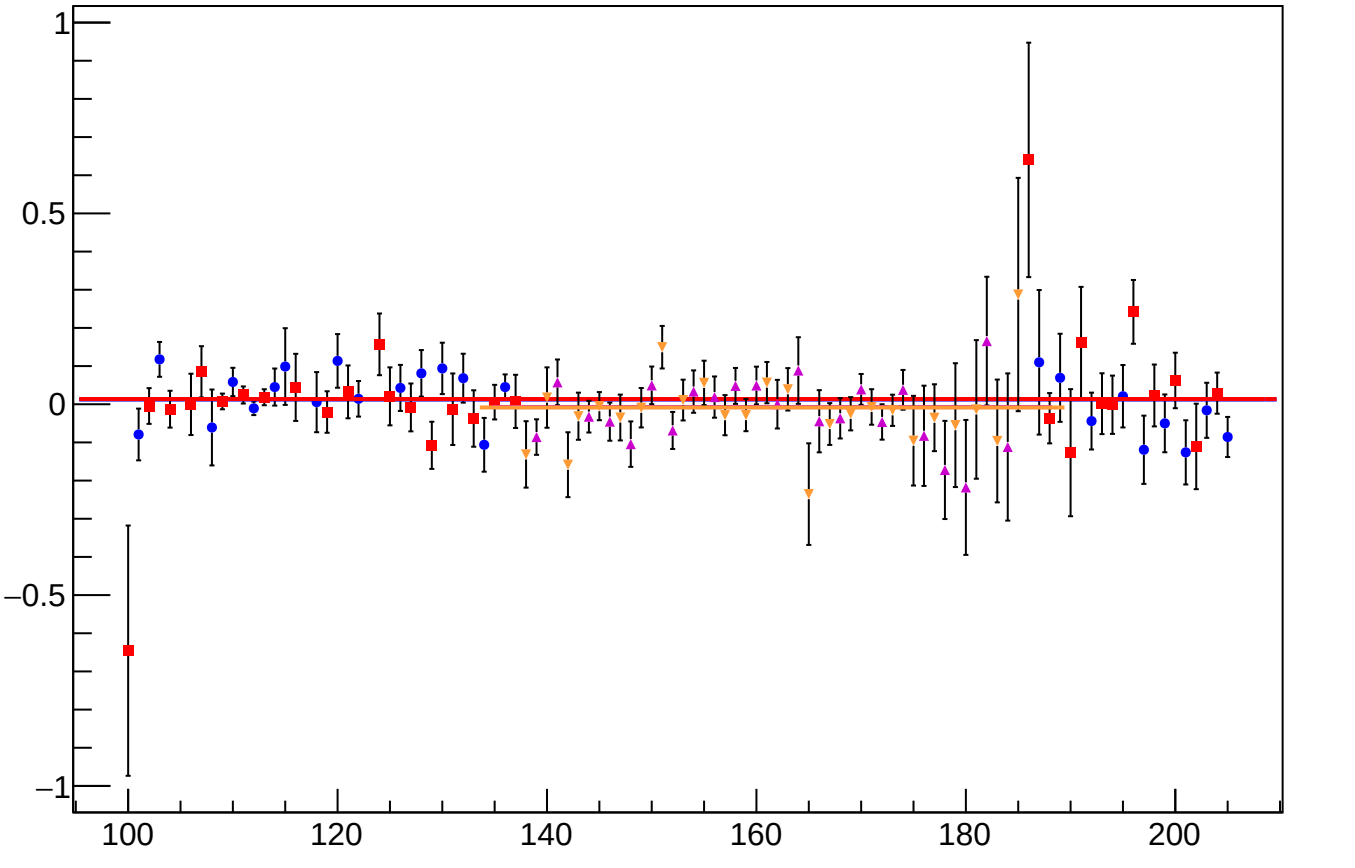
Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.514+/-0.006 χ^2/NDF: 14009285.7/49

All: 36.845+/-0.004 χ^2/NDF: 29847470.9/102

- sign 35.384+/-0.005 χ^2/NDF: 15665584.2/52



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

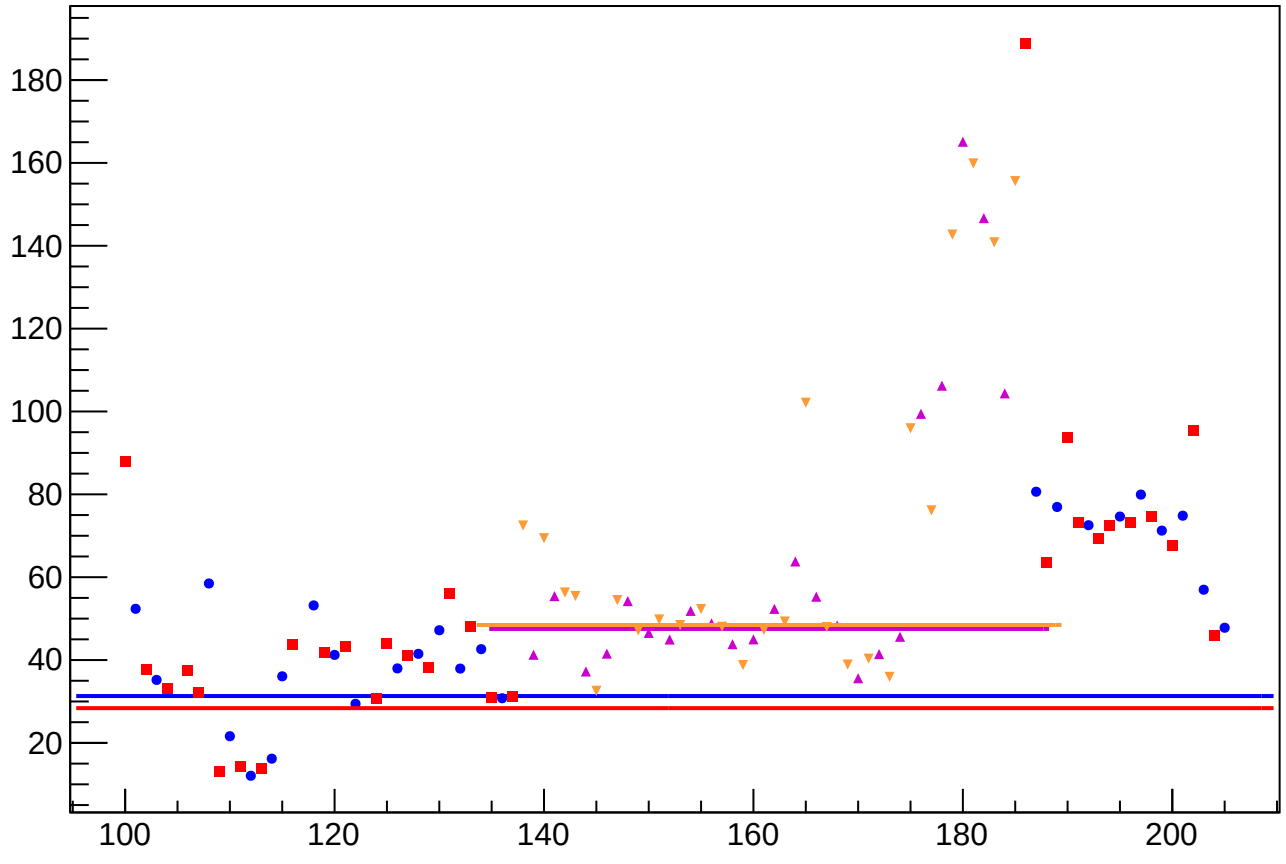
Right Out: 0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.3/102

- sign 0.006+/-0.007 χ^2/NDF: 55.3/52



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

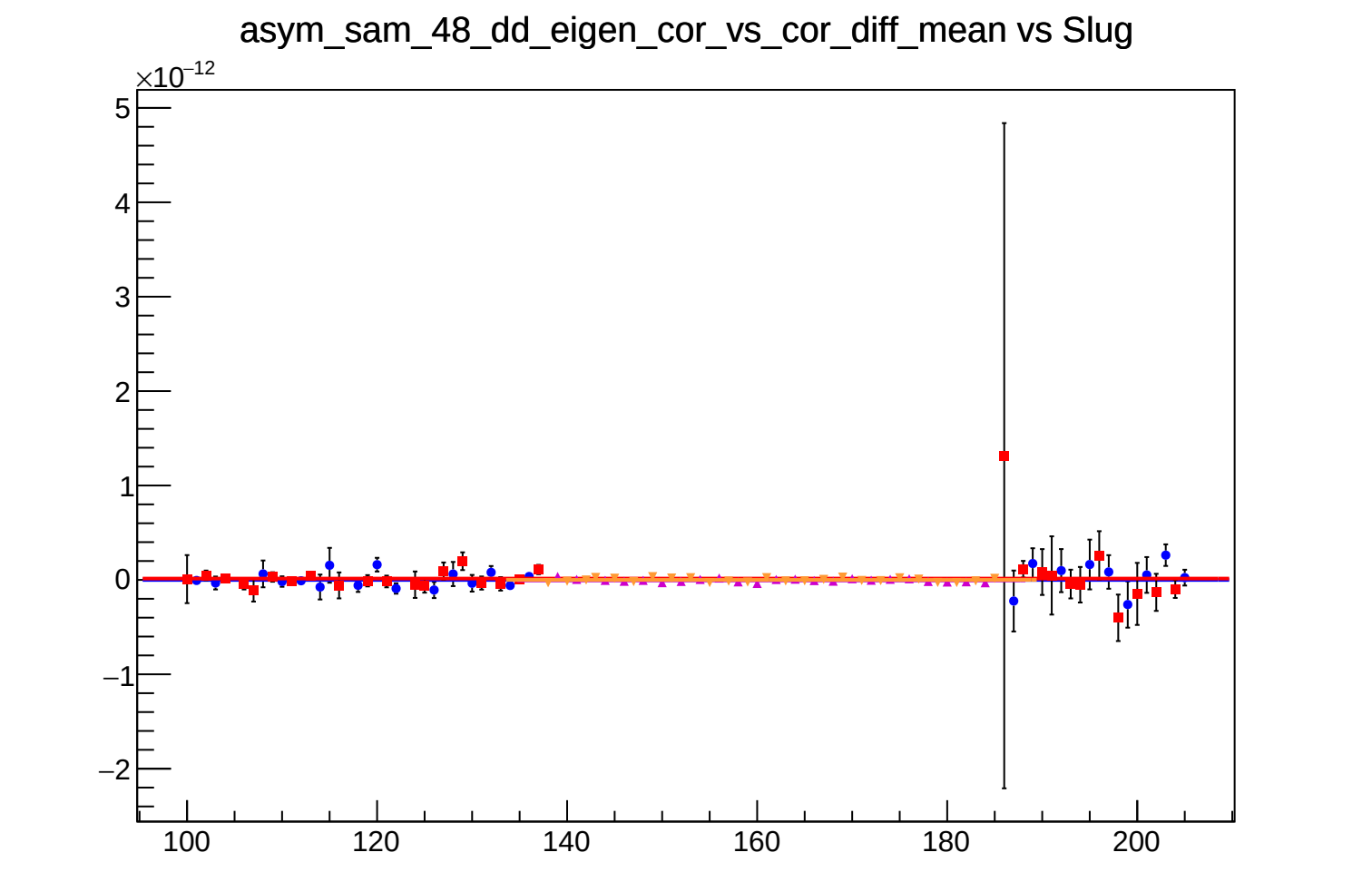
Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

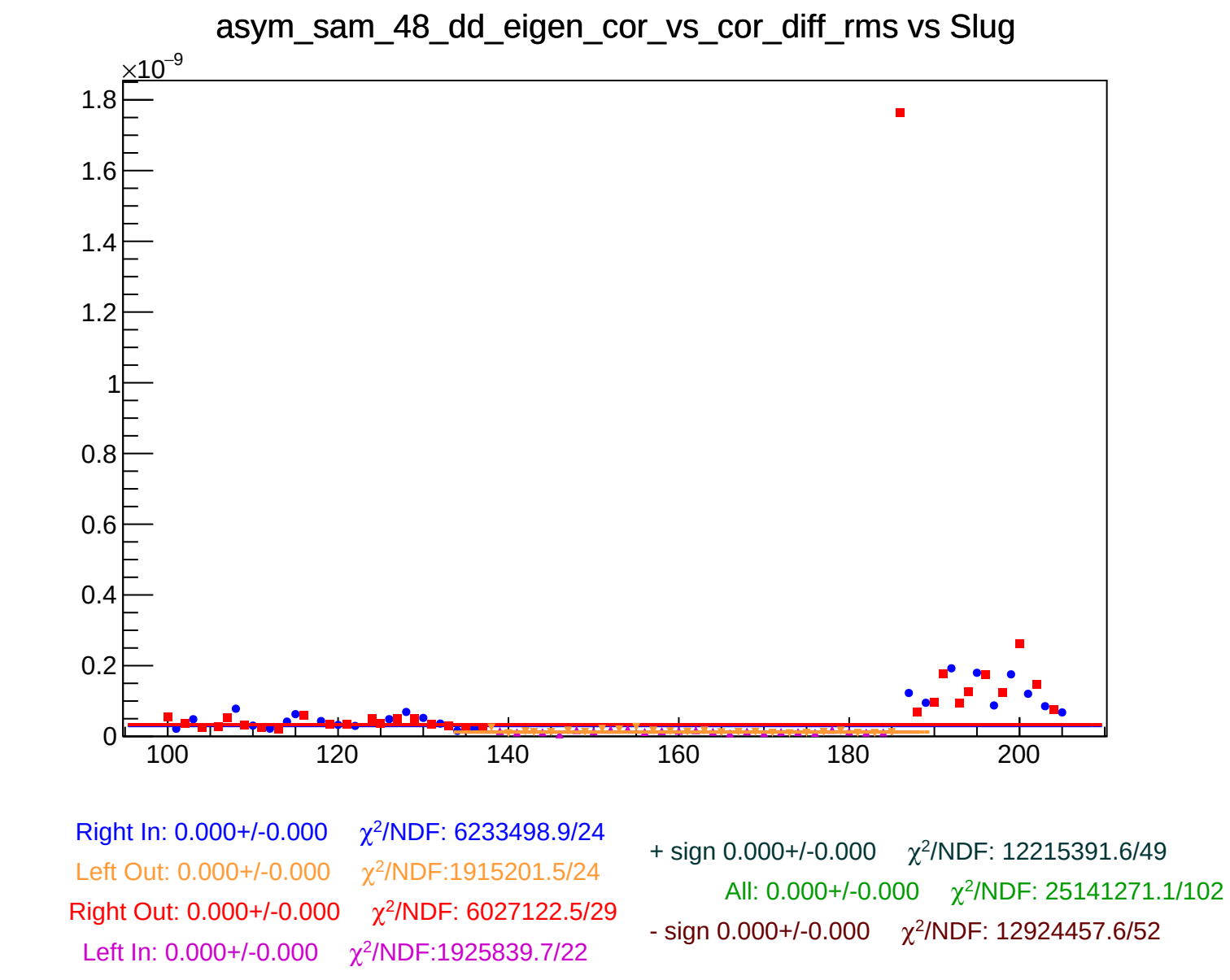
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.514+/-0.006 χ^2/NDF: 14009285.7/49

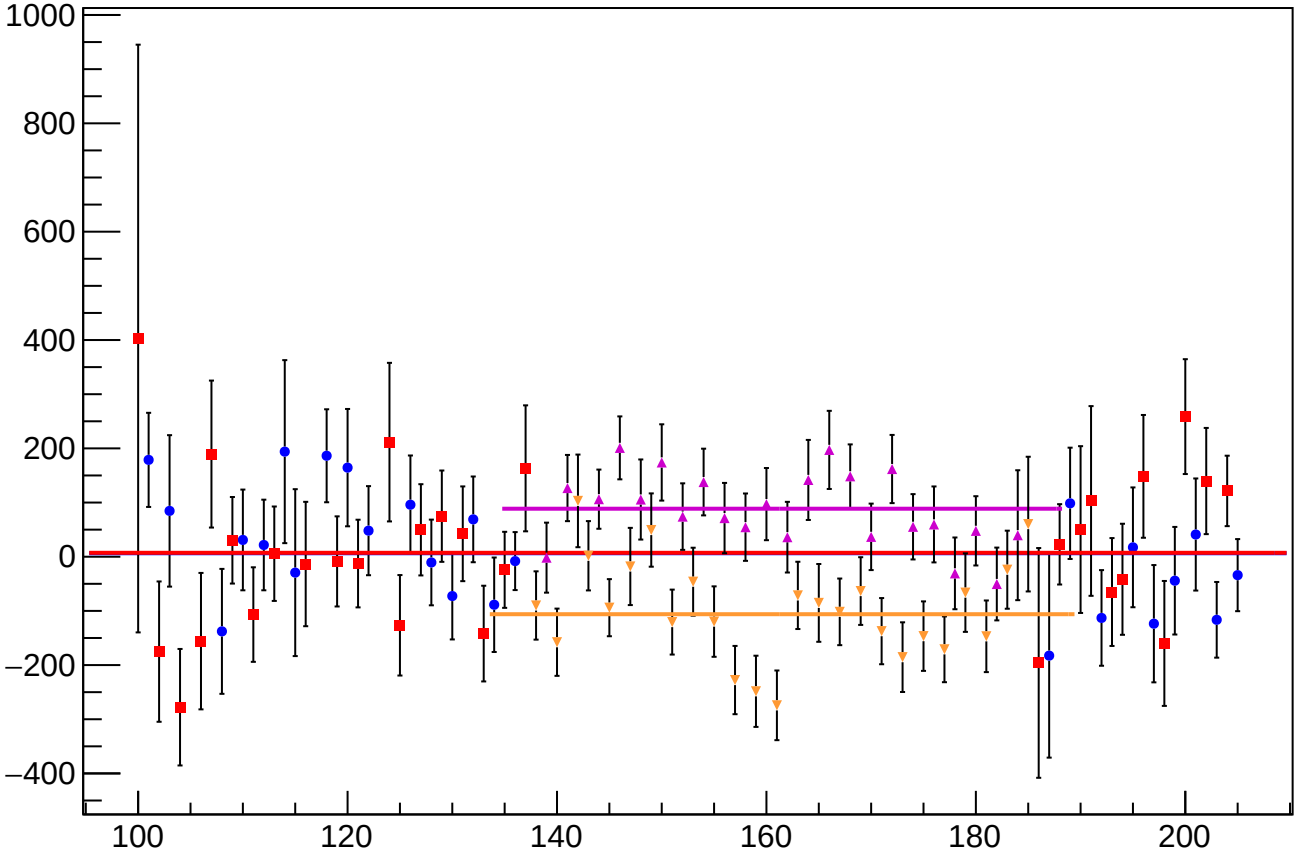
All: 36.845+/-0.004 χ^2/NDF: 29847470.9/102

- sign 35.384+/-0.005 χ^2/NDF: 15665584.2/52


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.0/24
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/29
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 59.4/49
All: -0.000+/-0.000 χ²/NDF: 104.0/102
- sign -0.000+/-0.000 χ²/NDF: 43.9/52


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6233498.9/24
Left Out: 0.000+/-0.000 χ²/NDF:1915201.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 6027122.5/29
Left In: 0.000+/-0.000 χ²/NDF:1925839.7/22
+ sign 0.000+/-0.000 χ²/NDF: 12215391.6/49
All: 0.000+/-0.000 χ²/NDF: 25141271.1/102
- sign 0.000+/-0.000 χ²/NDF: 12924457.6/52

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 6.429+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 7.232+/-17.966 χ^2/NDF: 41.2/29

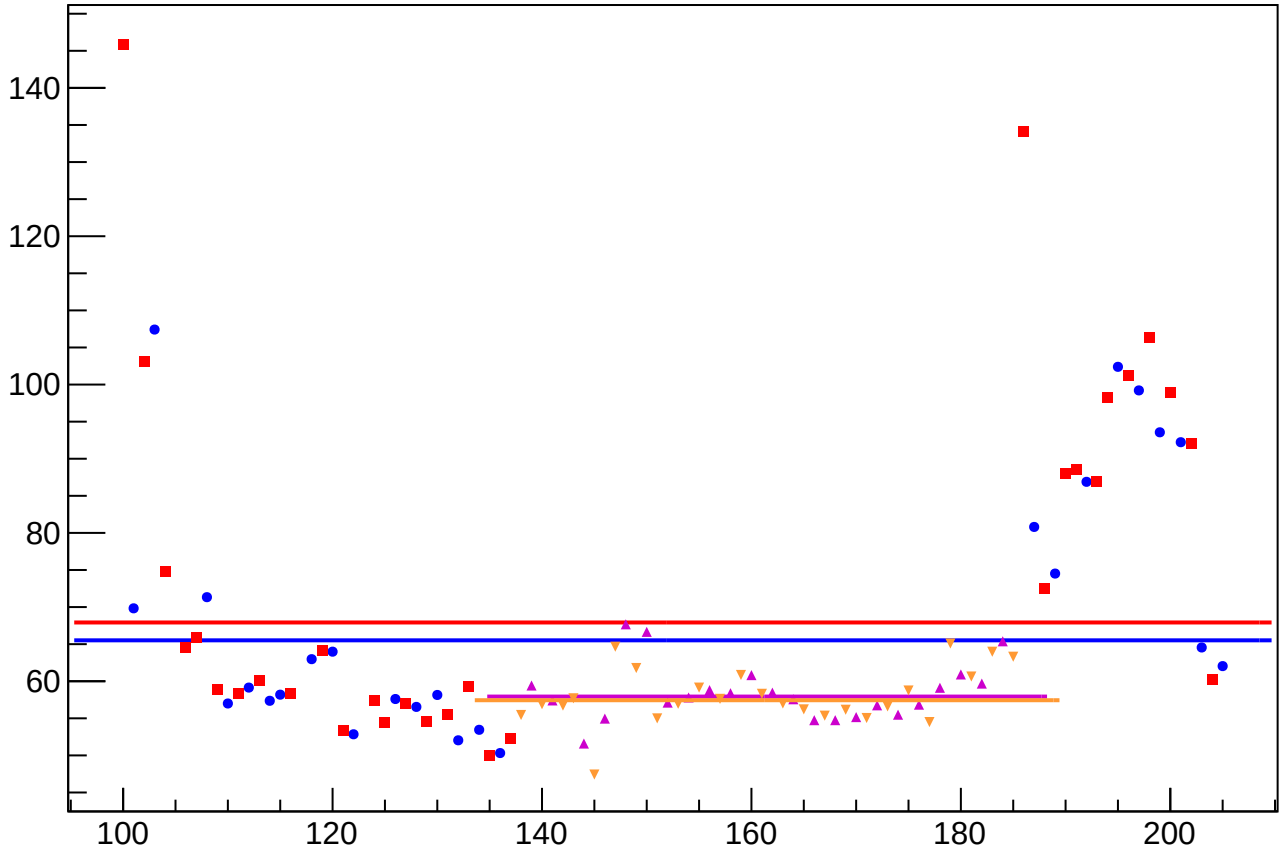
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -67.188+/-10.587 χ^2/NDF: 93.0/49

All: -5.473+/-7.569 χ^2/NDF: 240.7/102

- sign 59.064+/-10.826 χ^2/NDF: 78.1/52

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.516+/-0.013 χ^2/NDF: 1453178.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

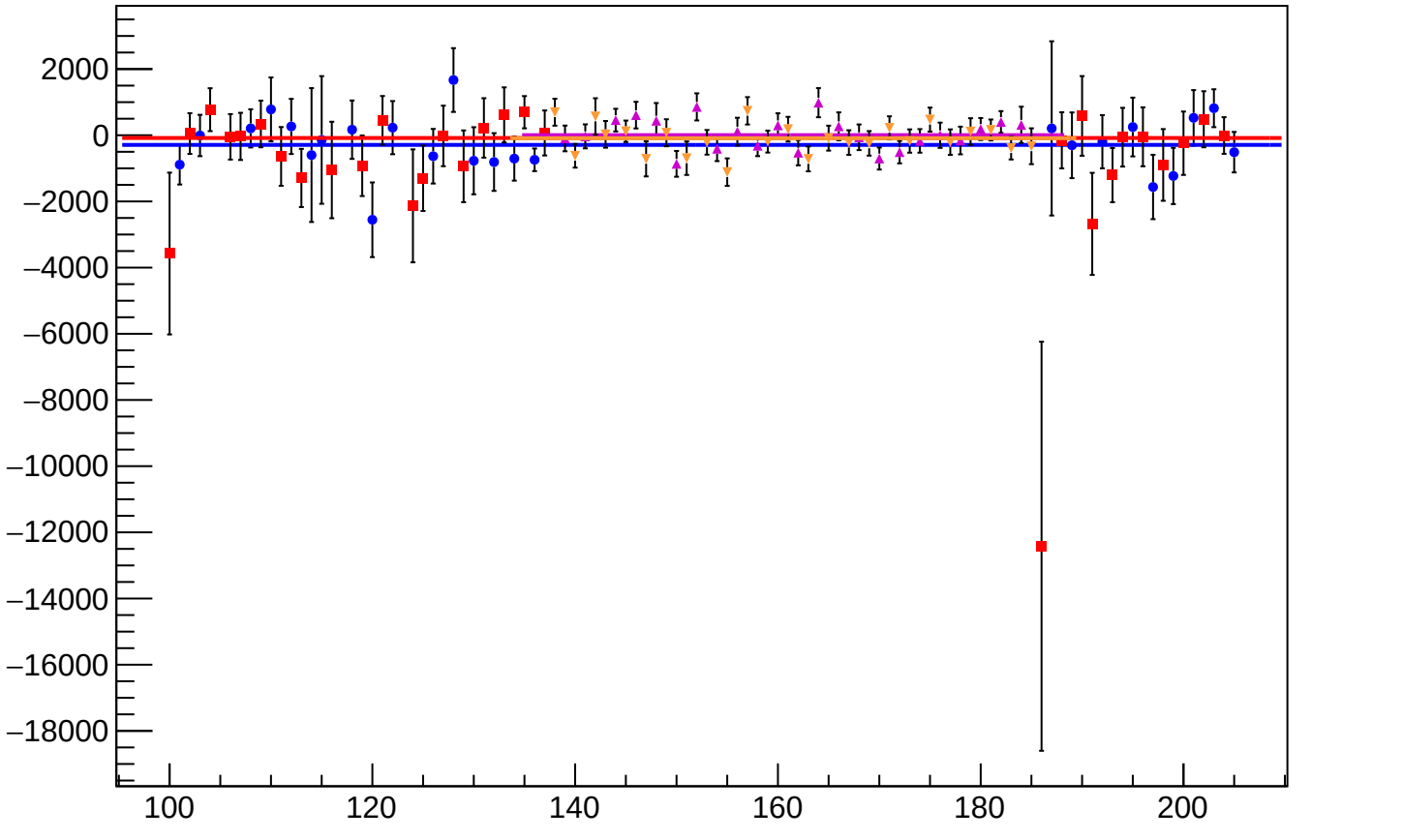
Right Out: 67.923+/-0.013 χ^2/NDF: 1937747.1/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.233+/-0.007 χ^2/NDF: 1891000.8/49

All: 60.882+/-0.005 χ^2/NDF: 4373877.0/102

- sign 61.561+/-0.008 χ^2/NDF: 2467499.2/52



Right In: -291.879+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -82.789+/-152.532 χ^2/NDF: 25.4/29

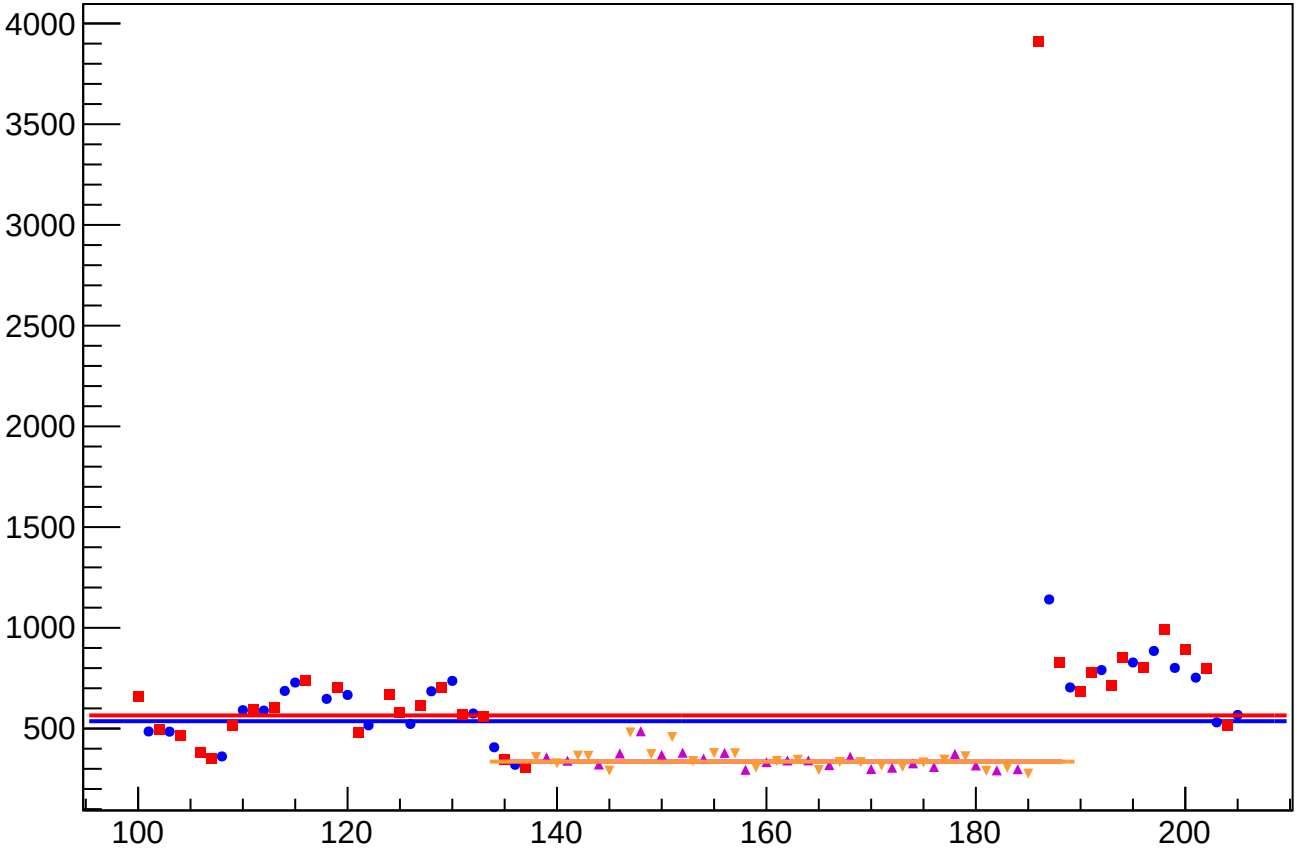
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.196+/-68.546 χ^2/NDF: 54.9/49

All: -74.640+/-49.073 χ^2/NDF: 115.5/102

- sign -15.179+/-70.285 χ^2/NDF: 59.2/52

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 536.434+/-0.106 χ^2/NDF: 2491583.5/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 565.156+/-0.108 χ^2/NDF: 3220809.2/29

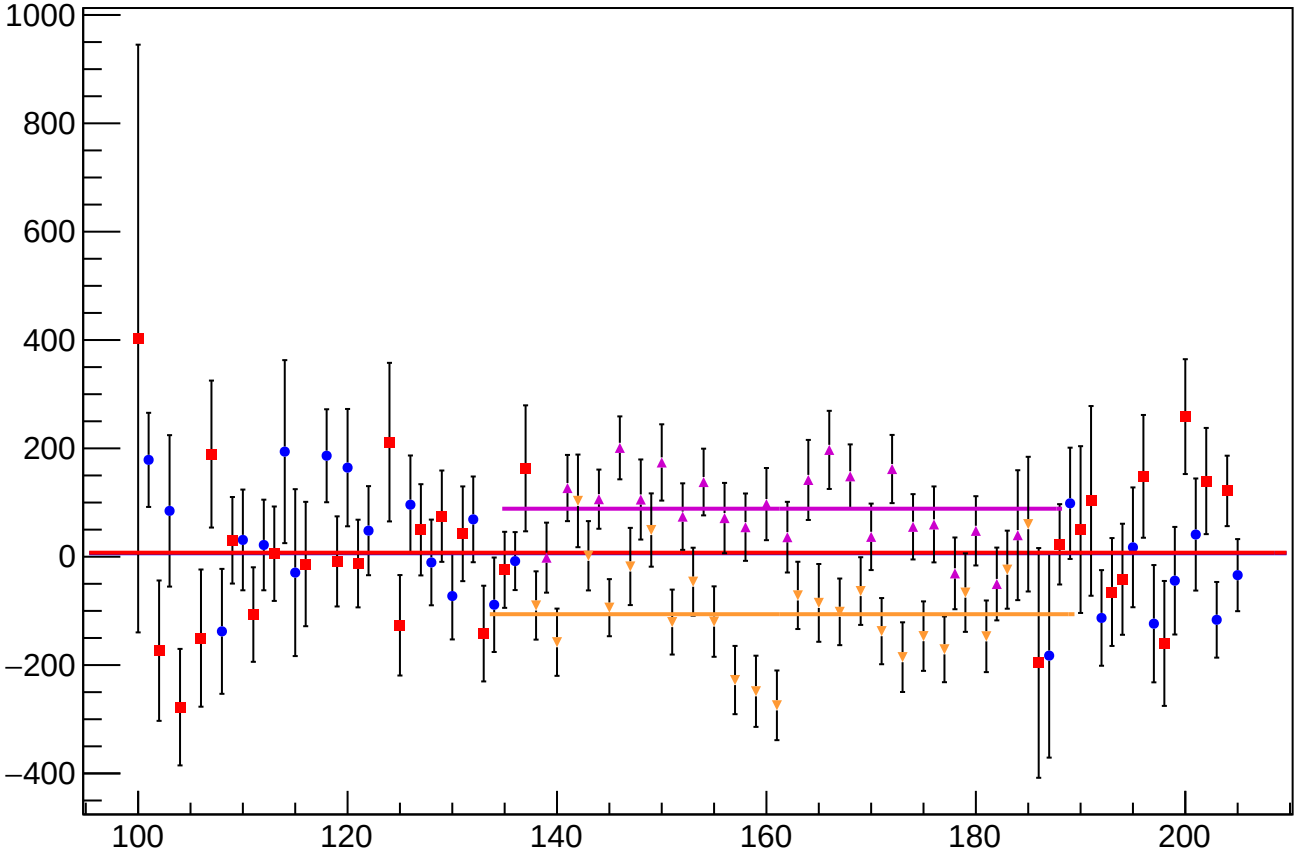
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 377.558+/-0.048 χ^2/NDF: 5843021.2/49

All: 381.149+/-0.035 χ^2/NDF: 13034273.2/10

- sign 384.926+/-0.050 χ^2/NDF: 7179988.3/52

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 7.420+/-17.968 χ^2/NDF: 41.0/29

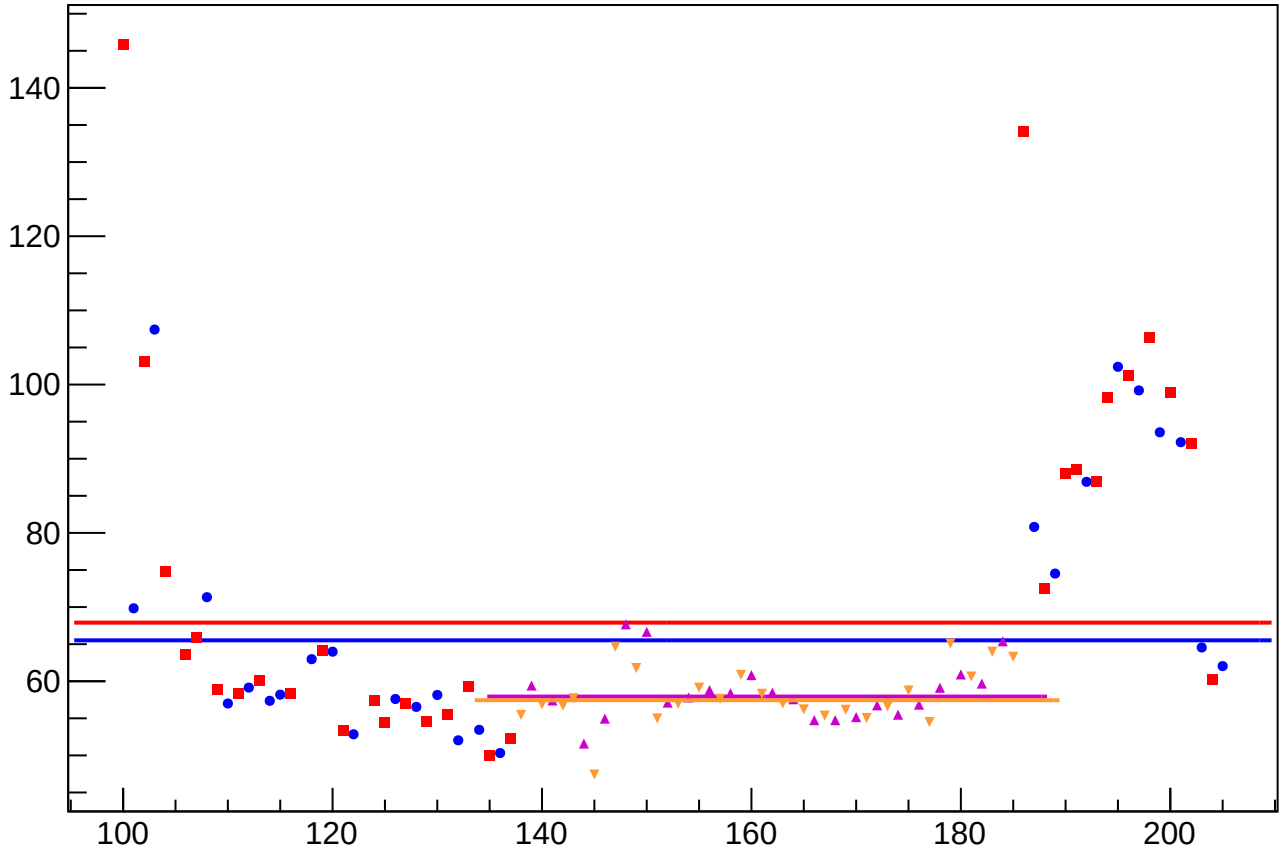
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.189+/-10.587 χ^2/NDF: 93.0/49

All: -5.440+/-7.569 χ^2/NDF: 240.5/102

- sign 59.138+/-10.827 χ^2/NDF: 77.9/52

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

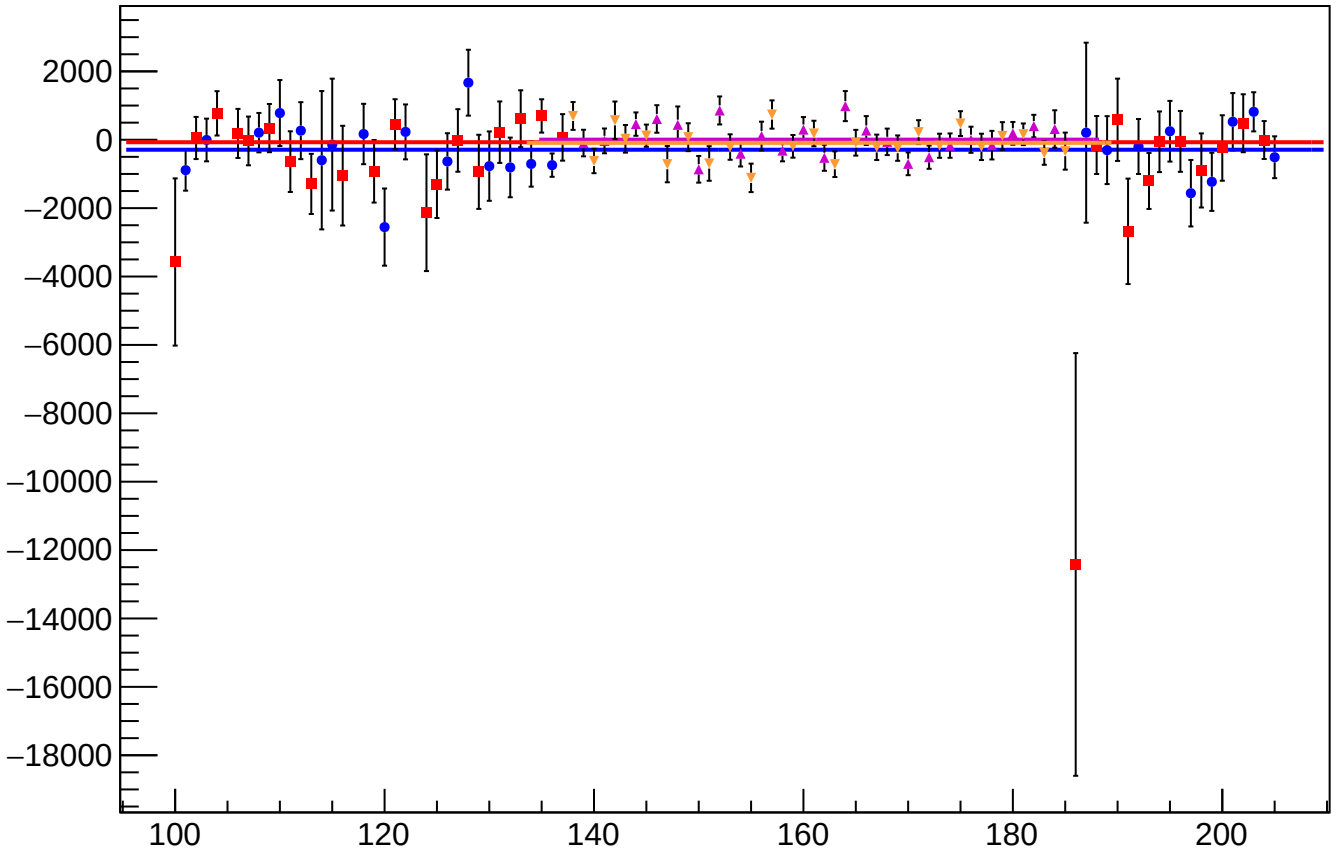
Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.233+/-0.007 χ^2/NDF: 1891002.9/49

All: 60.878+/-0.005 χ^2/NDF: 4373294.4/102

- sign 61.553+/-0.008 χ^2/NDF: 2467086.6/52



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -72.399+/-152.859 χ^2/NDF: 25.5/29

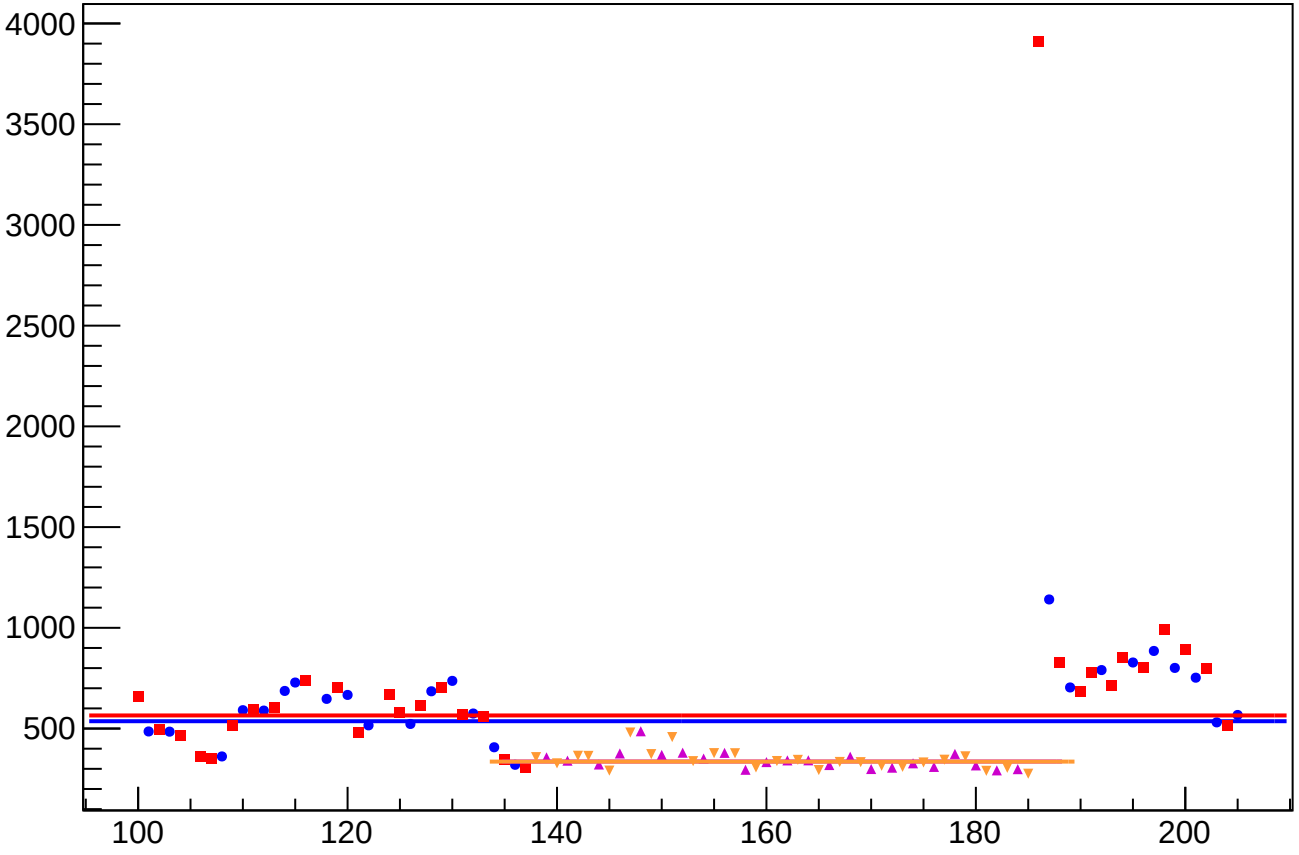
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.193+/-68.546 χ^2/NDF: 54.9/49

All: -73.563+/-49.083 χ^2/NDF: 115.6/102

- sign -12.918+/-70.317 χ^2/NDF: 59.3/52

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

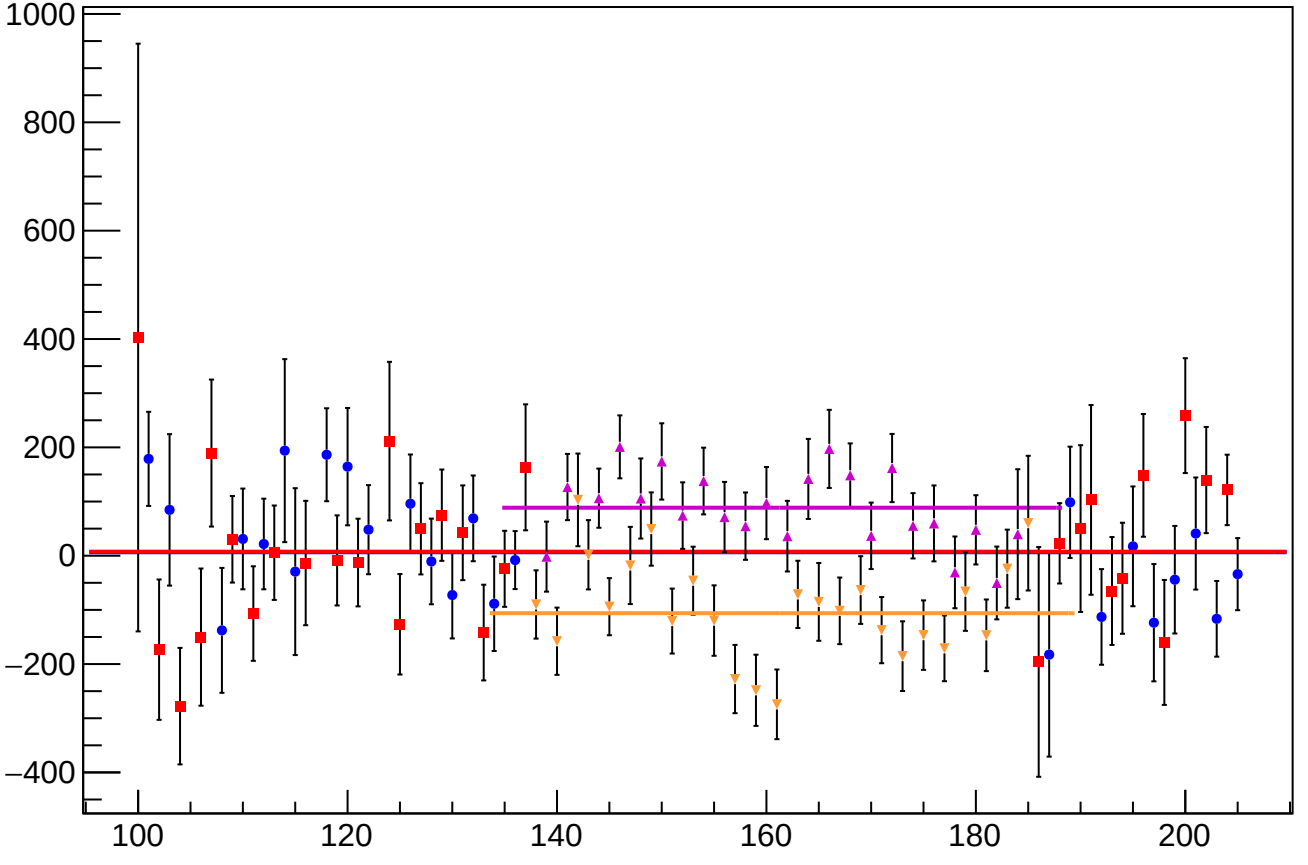
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 377.558+/-0.048 χ^2/NDF: 5843047.6/49

All: 381.053+/-0.035 χ^2/NDF: 13036351.5/10

- sign 384.731+/-0.050 χ^2/NDF: 7182632.8/52

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 7.420+/-17.968 χ^2/NDF: 41.0/29

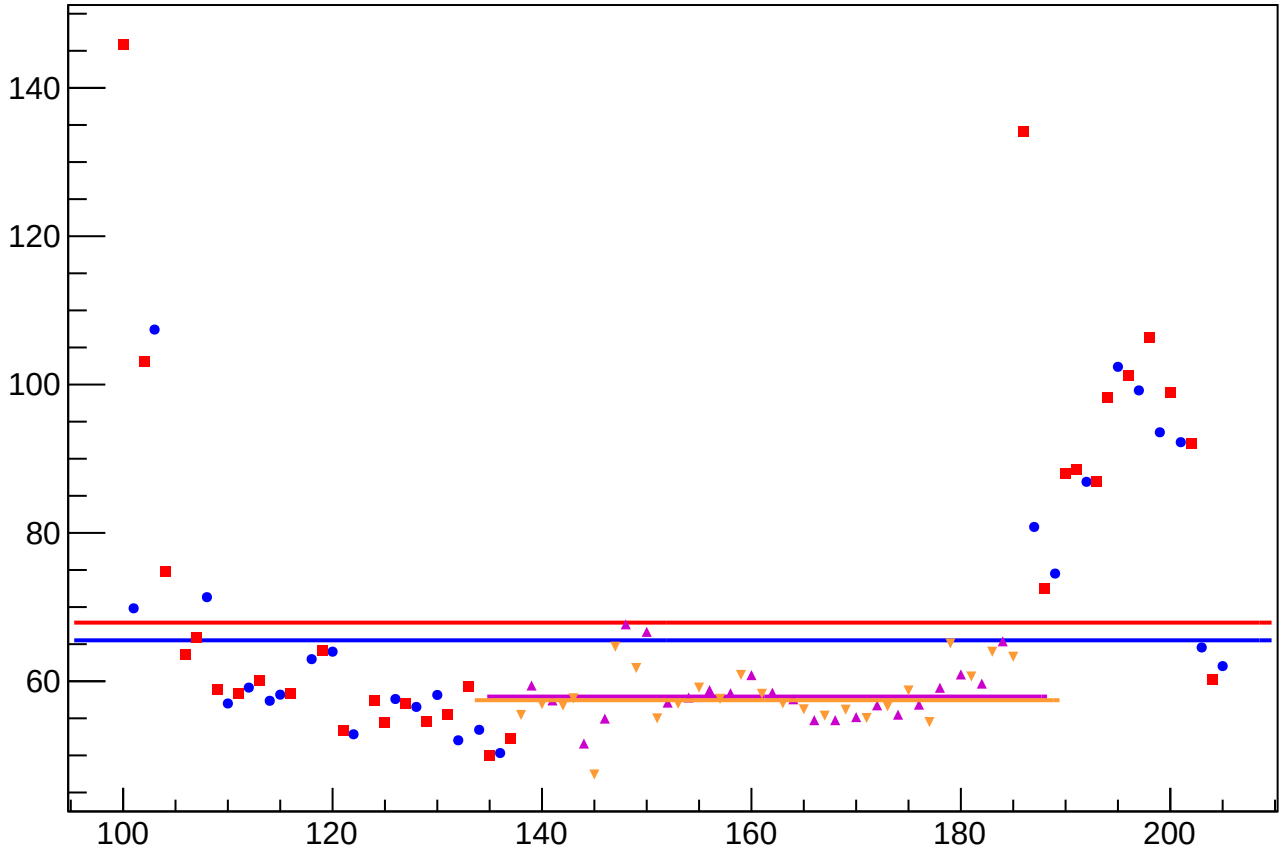
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -67.189+/-10.587 χ^2/NDF: 93.0/49

All: -5.440+/-7.569 χ^2/NDF: 240.5/102

\- sign 59.138+/-10.827 χ^2/NDF: 77.9/52

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

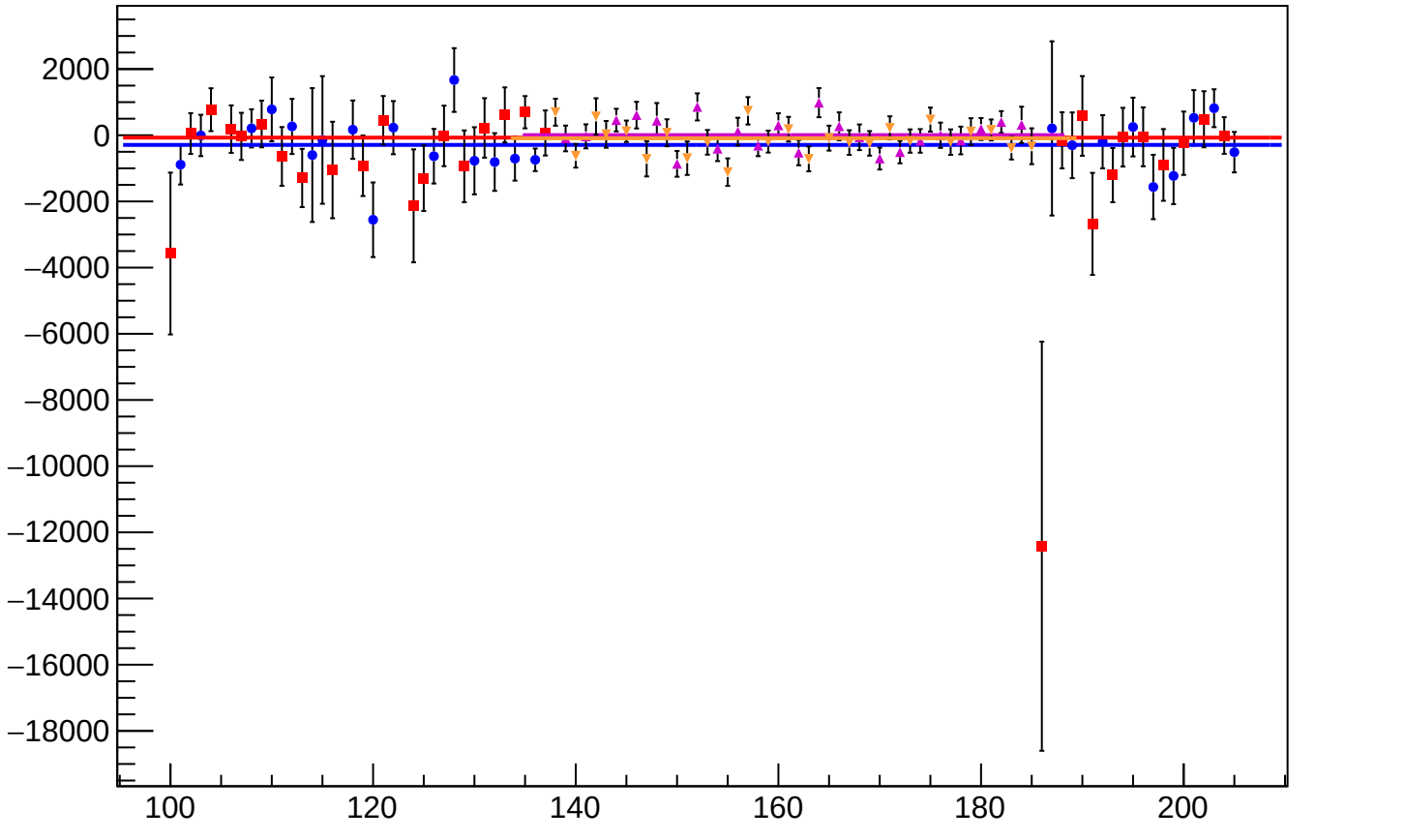
Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.233+/-0.007 χ^2/NDF: 1891002.9/49

All: 60.878+/-0.005 χ^2/NDF: 4373294.4/102

- sign 61.553+/-0.008 χ^2/NDF: 2467086.6/52



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -72.399+/-152.859 χ^2/NDF: 25.5/29

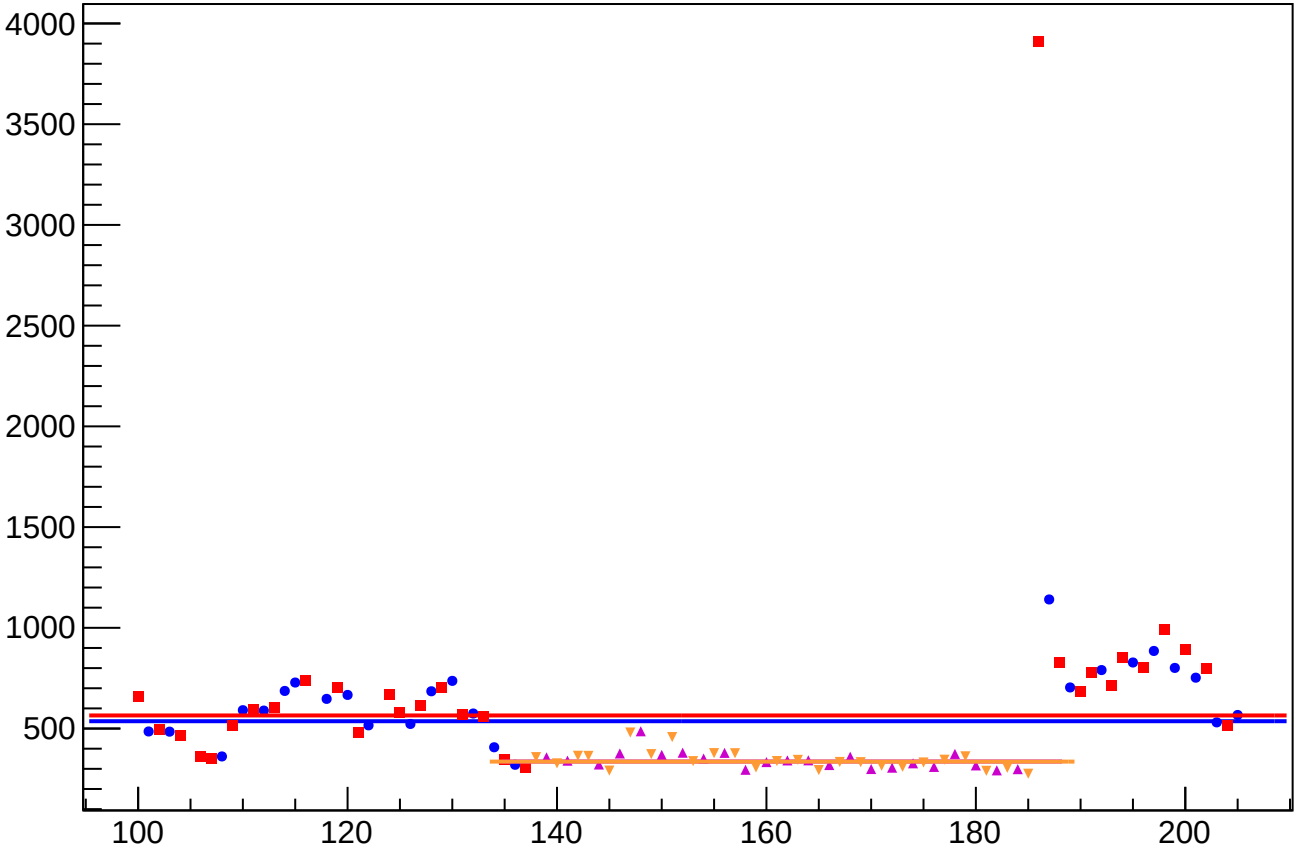
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.193+/-68.546 χ^2/NDF: 54.9/49

All: -73.563+/-49.083 χ^2/NDF: 115.6/102

- sign -12.918+/-70.317 χ^2/NDF: 59.3/52

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

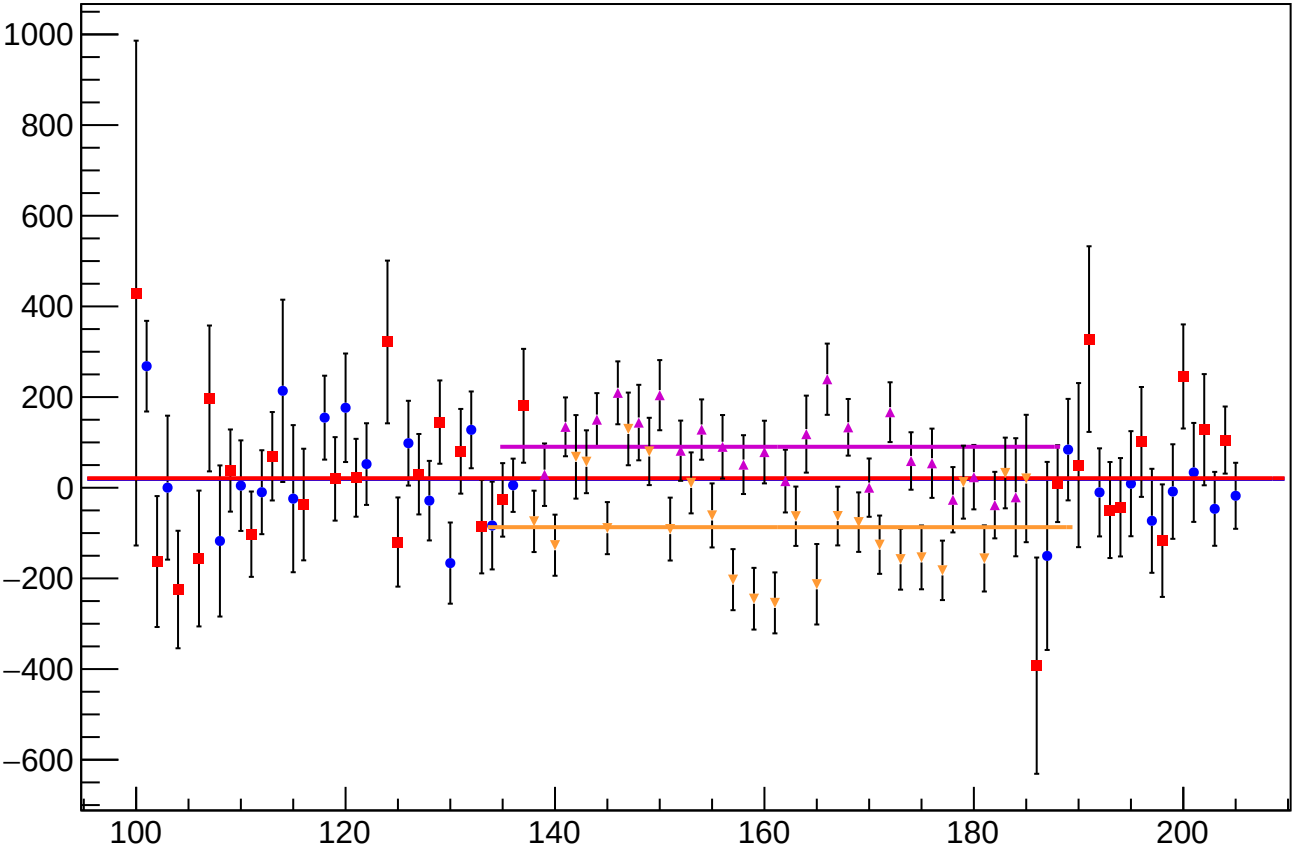
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 377.558+/-0.048 χ^2/NDF: 5843047.6/49

All: 381.053+/-0.035 χ^2/NDF: 13036351.5/10

- sign 384.731+/-0.050 χ^2/NDF: 7182632.8/52

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 19.395+/-19.825 χ^2/NDF: 22.9/24

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 20.988+/-19.999 χ^2/NDF: 34.3/29

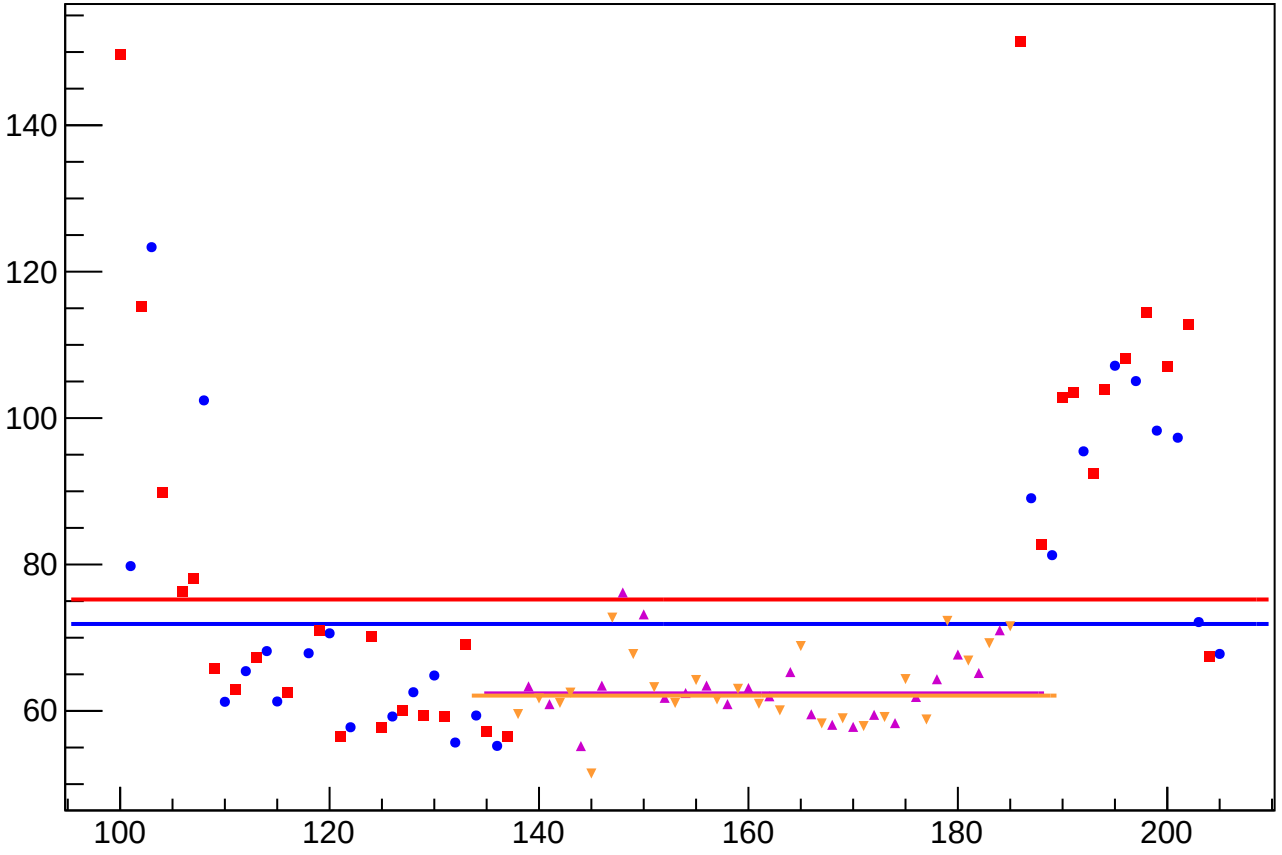
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.982+/-11.531 χ^2/NDF: 90.7/49

All: 6.111+/-8.254 χ^2/NDF: 208.2/102

- sign 66.123+/-11.822 χ^2/NDF: 67.2/52

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.877+/-0.014 χ^2/NDF: 1464376.6/24

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.221+/-0.014 χ^2/NDF: 2005929.6/29

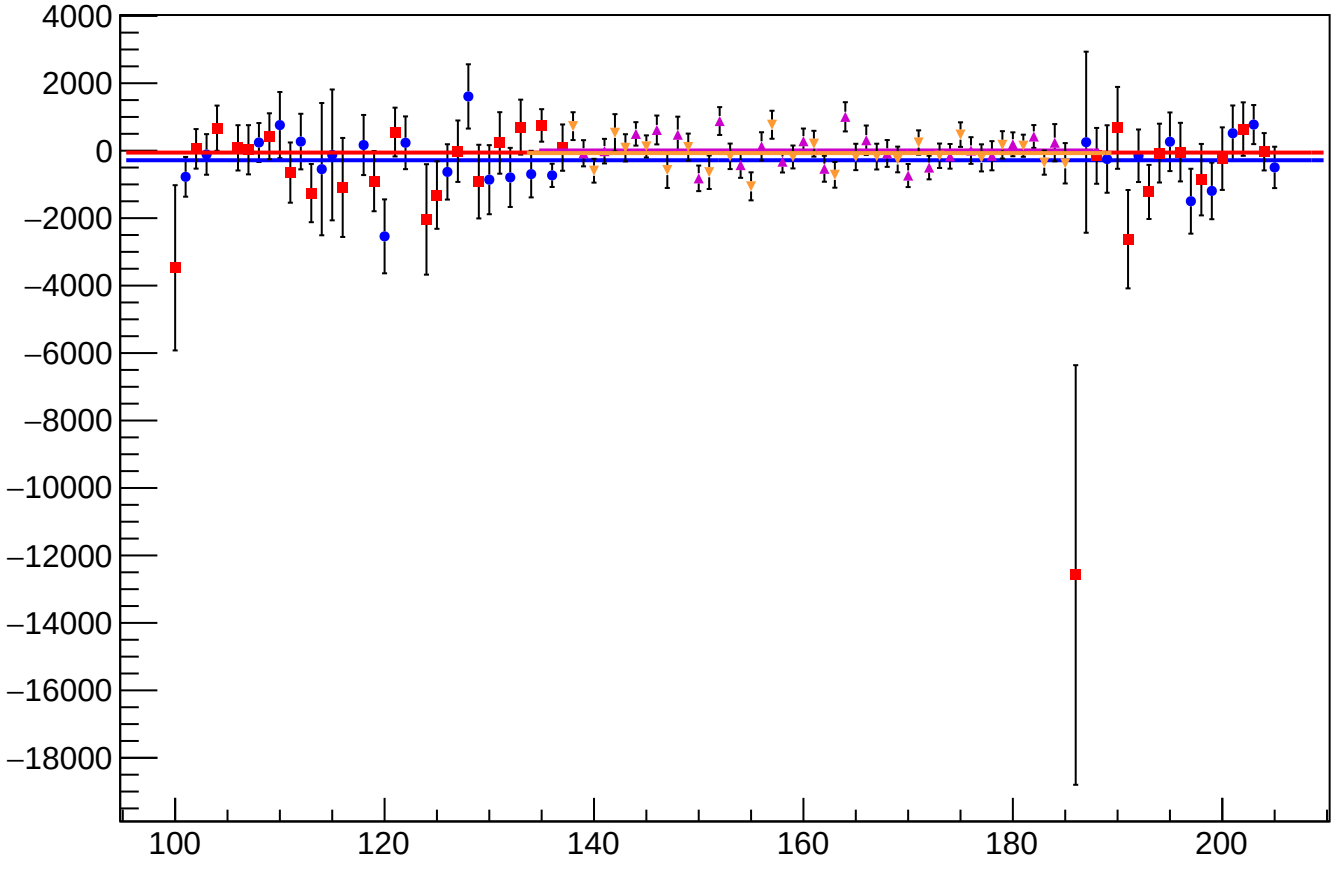
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.403+/-0.008 χ^2/NDF: 2020036.3/49

All: 66.121+/-0.006 χ^2/NDF: 4765908.5/102

- sign 66.877+/-0.008 χ^2/NDF: 2729937.6/52

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -283.508+/-149.956 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -56.200+/-150.627 χ^2/NDF: 26.7/29

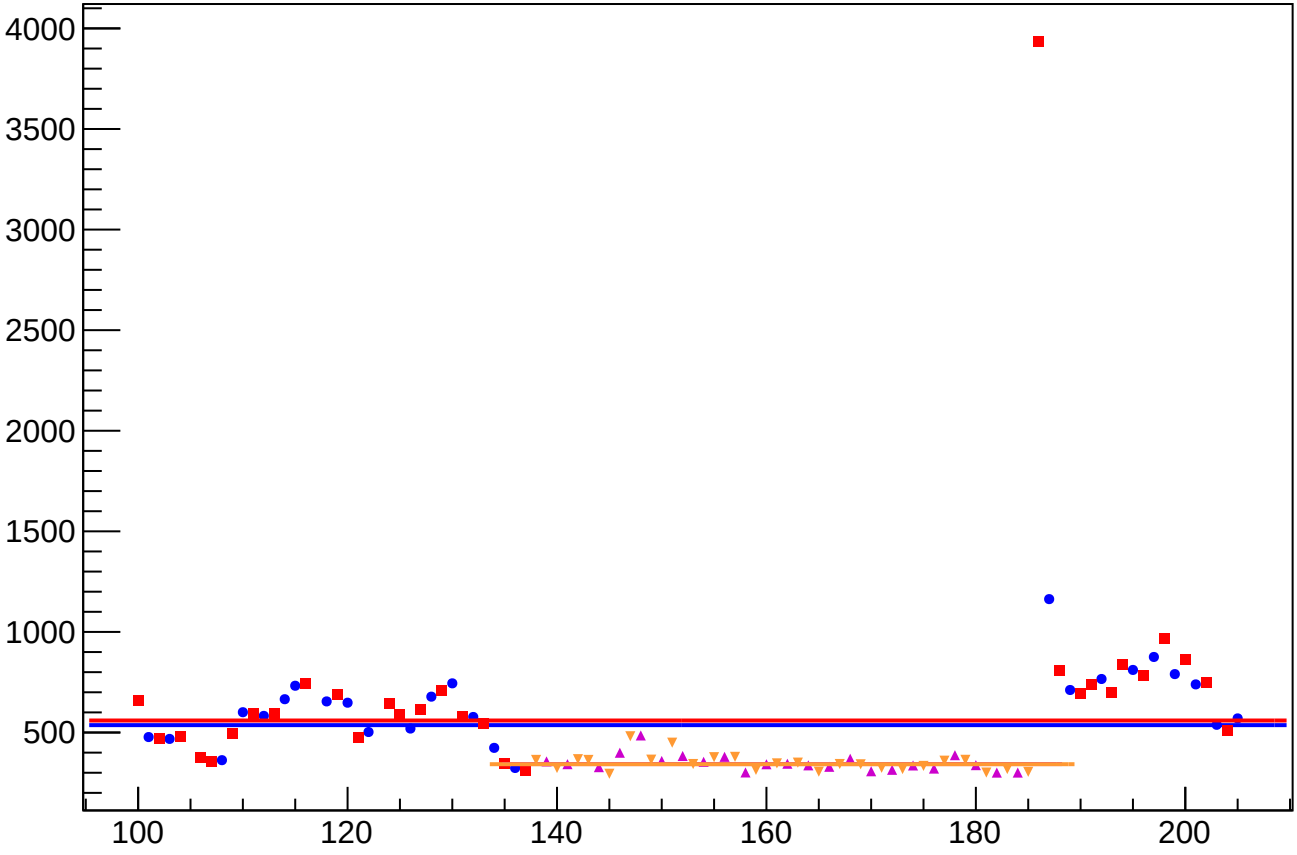
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.872+/-69.477 χ^2/NDF: 52.7/49

All: -63.645+/-49.717 χ^2/NDF: 114.8/102

- sign -7.784+/-71.175 χ^2/NDF: 60.8/52

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 536.683+/-0.106 χ^2/NDF: 2379506.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084681.7/29

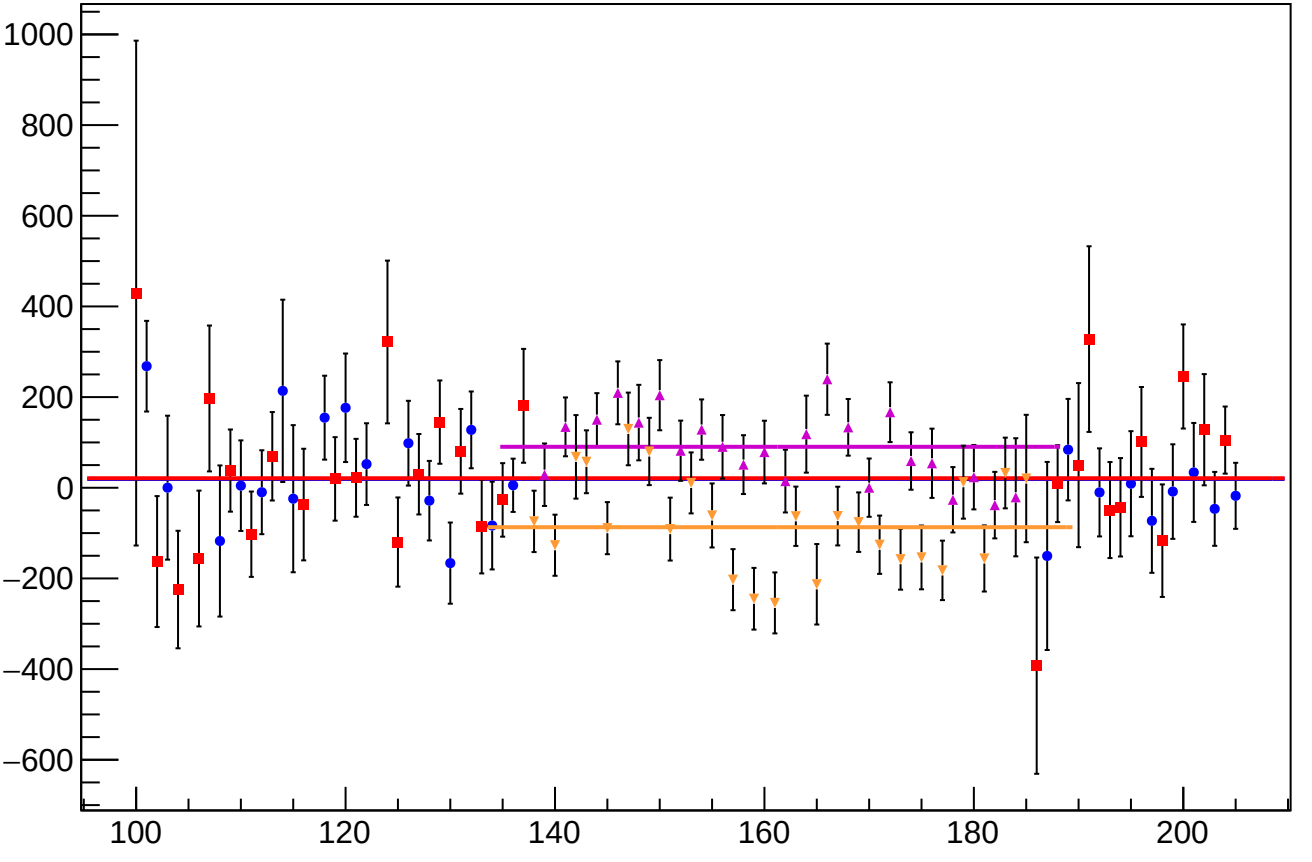
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 384.186+/-0.049 χ^2/NDF: 5447444.6/49

All: 387.789+/-0.035 χ^2/NDF: 12123444.7/10

- sign 391.570+/-0.050 χ^2/NDF: 6664975.0/52

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 19.395+/-19.825 χ^2/NDF: 22.9/24

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 20.988+/-19.999 χ^2/NDF: 34.3/29

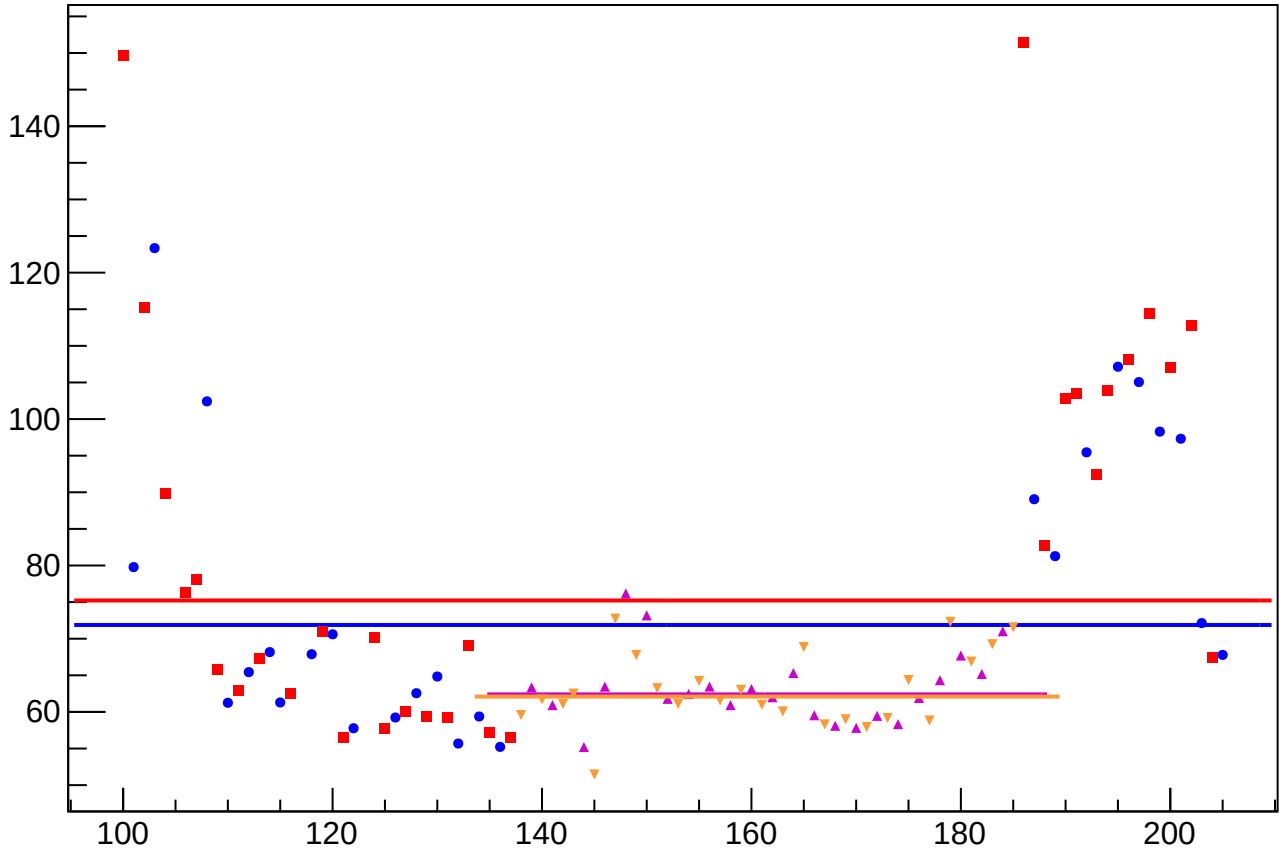
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.981+/-11.531 χ^2/NDF: 90.7/49

All: 6.111+/-8.254 χ^2/NDF: 208.2/102

- sign 66.123+/-11.822 χ^2/NDF: 67.2/52

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.877+/-0.014 χ^2/NDF: 1464397.8/24

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

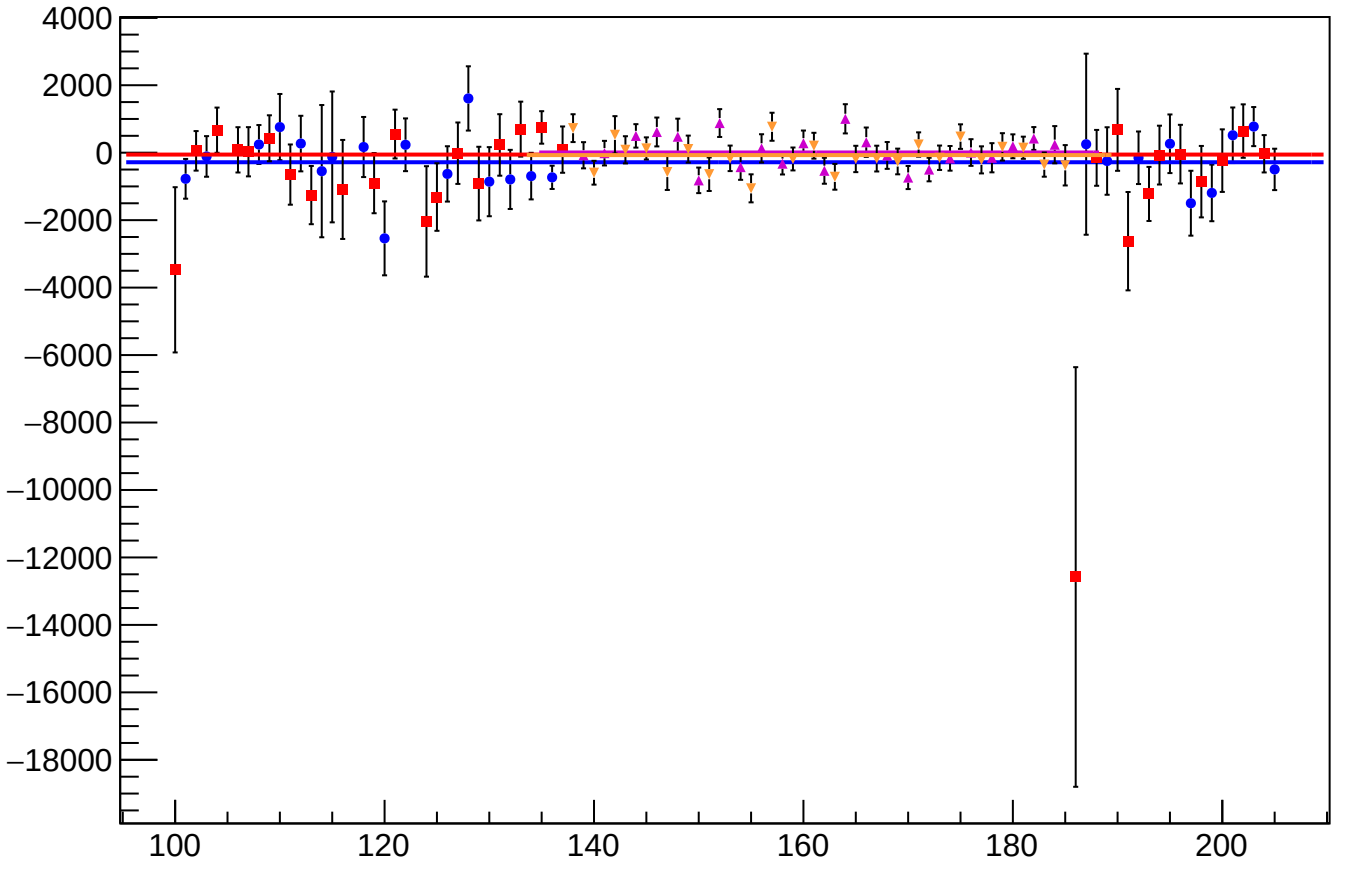
Right Out: 75.221+/-0.014 χ^2/NDF: 2005932.2/29

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.403+/-0.008 χ^2/NDF: 2020057.4/49

All: 66.121+/-0.006 χ^2/NDF: 4765928.0/102

- sign 66.877+/-0.008 χ^2/NDF: 2729935.6/52



Right In: -283.508+/-149.955 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -56.199+/-150.626 χ^2/NDF: 26.7/29

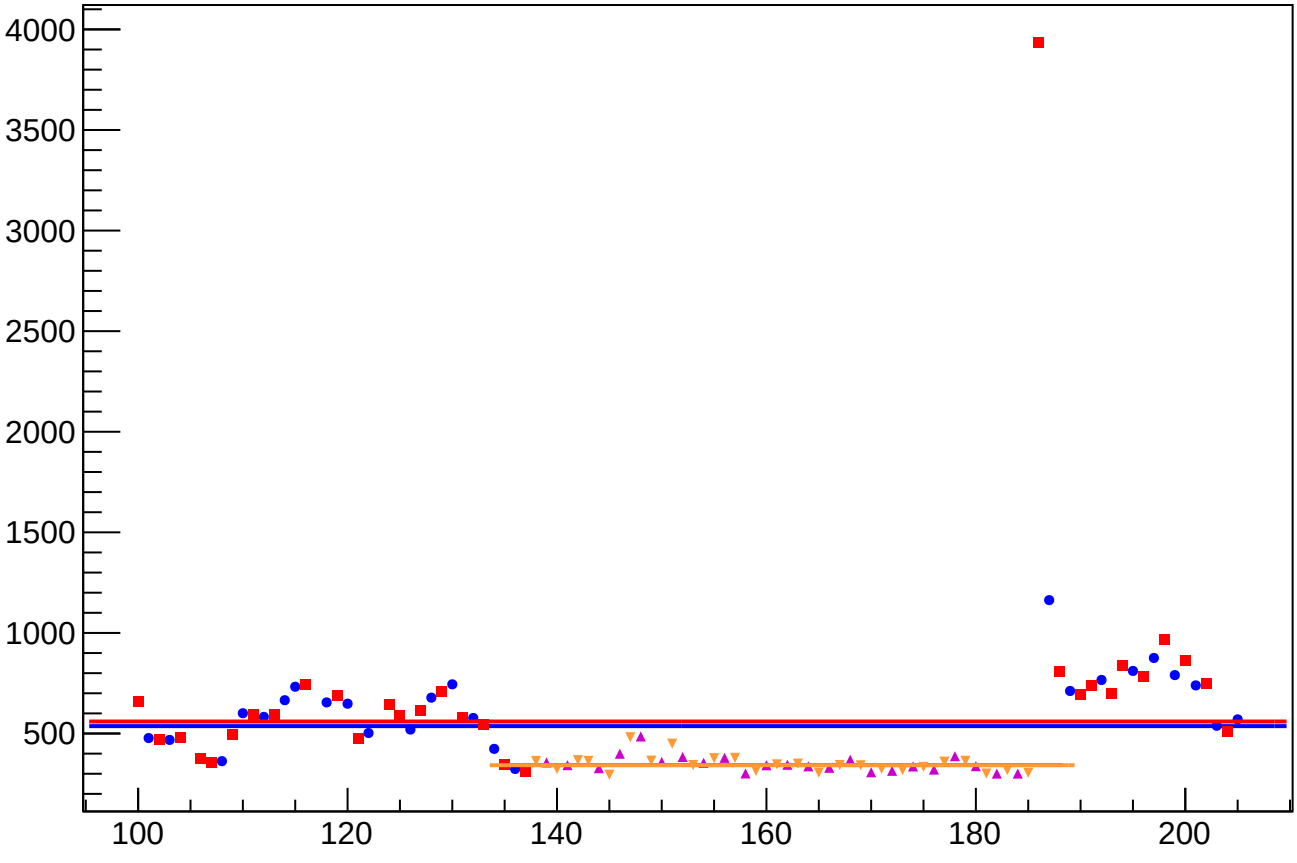
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.872+/-69.477 χ^2/NDF: 52.7/49

All: -63.645+/-49.717 χ^2/NDF: 114.8/102

- sign -7.784+/-71.175 χ^2/NDF: 60.8/52

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 536.682+/-0.106 χ^2/NDF: 2379510.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084688.0/29

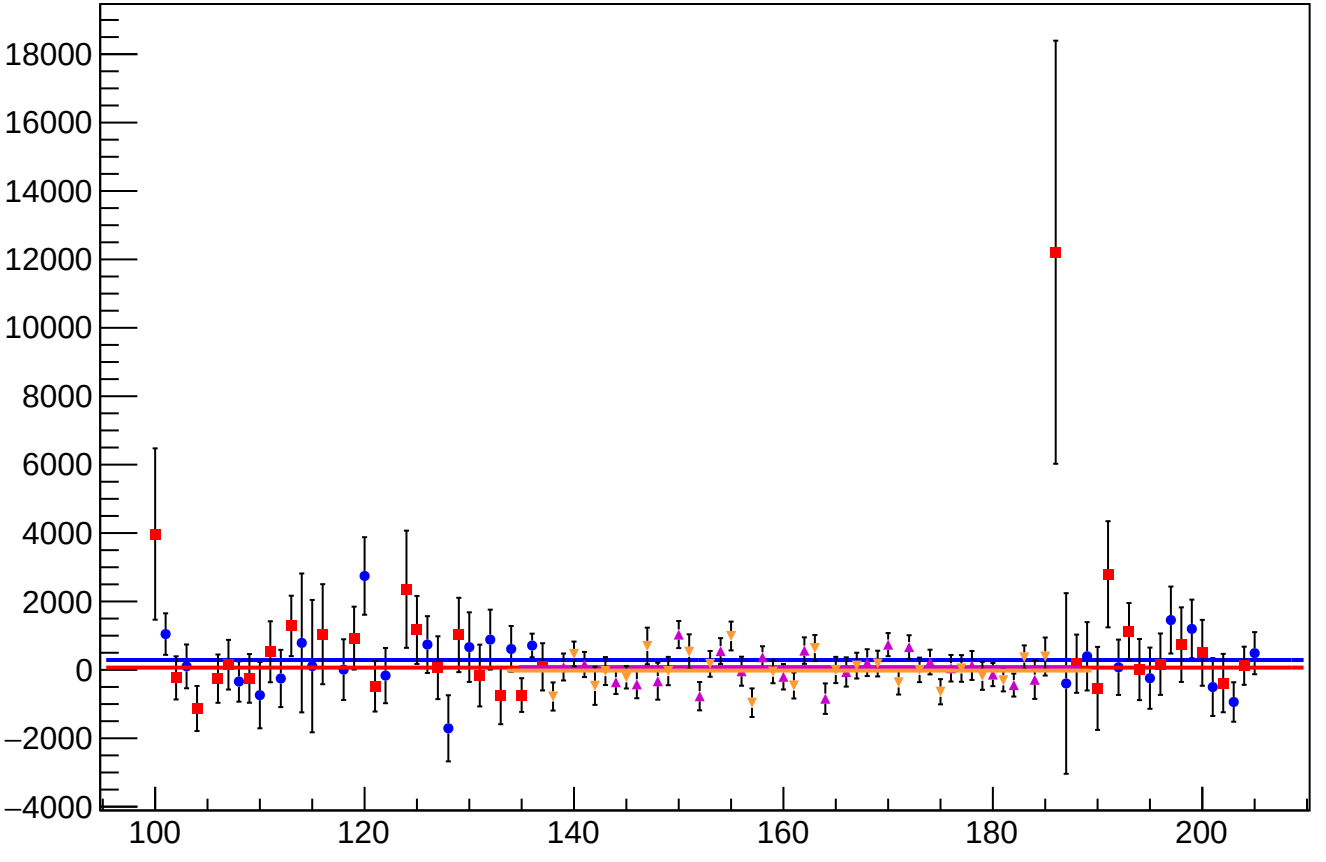
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 384.186+/-0.049 χ^2/NDF: 5447438.9/49

All: 387.789+/-0.035 χ^2/NDF: 12123427.5/10

- sign 391.570+/-0.050 χ^2/NDF: 6664963.2/52

asym_sam_13_57_dd_mean vs Slug



Right In: 288.129+/-151.894 χ^2/NDF: 25.0/24

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 66.152+/-154.108 χ^2/NDF: 27.6/29

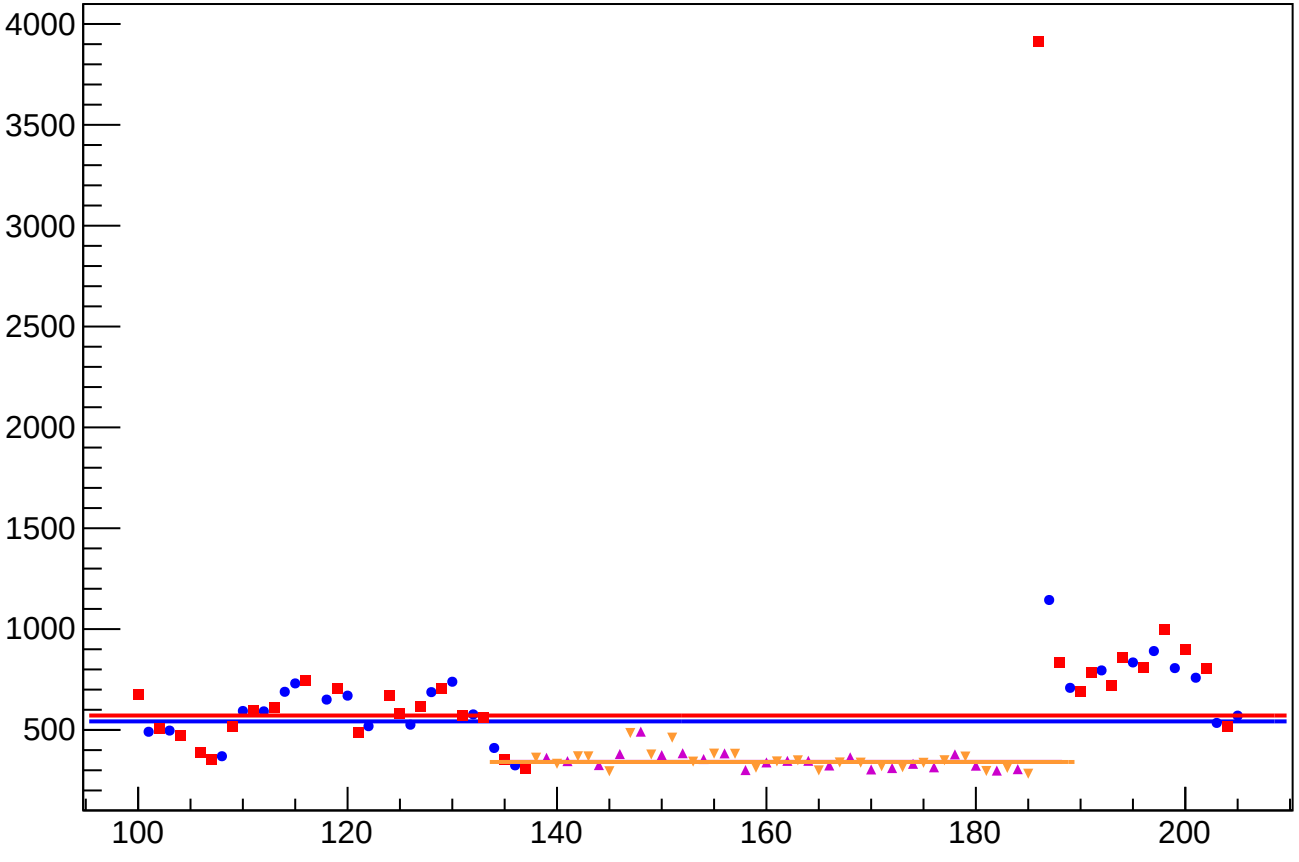
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 44.339+/-69.524 χ^2/NDF: 59.7/49

All: 59.787+/-49.773 χ^2/NDF: 120.3/102

- sign 76.030+/-71.289 χ^2/NDF: 60.6/52

asym_sam_13_57_dd_rms vs Slug



Right In: 542.427+/-0.107 χ^2/NDF: 2437473.6/24

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

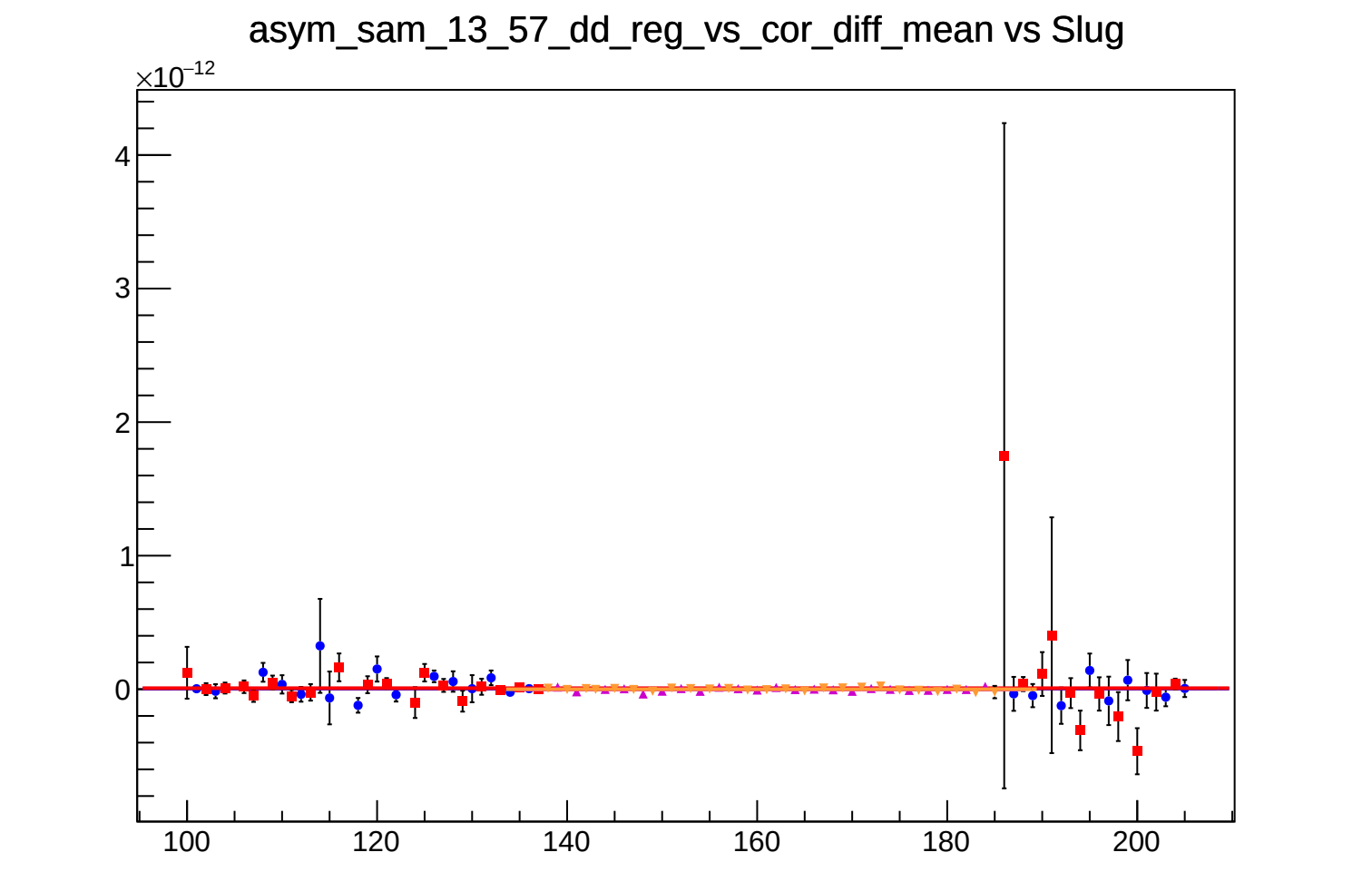
Right Out: 571.531+/-0.109 χ^2/NDF: 3161893.8/29

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 383.357+/-0.049 χ^2/NDF: 5723070.7/49

All: 386.995+/-0.035 χ^2/NDF: 12791886.8/10

- sign 390.821+/-0.050 χ^2/NDF: 7057578.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

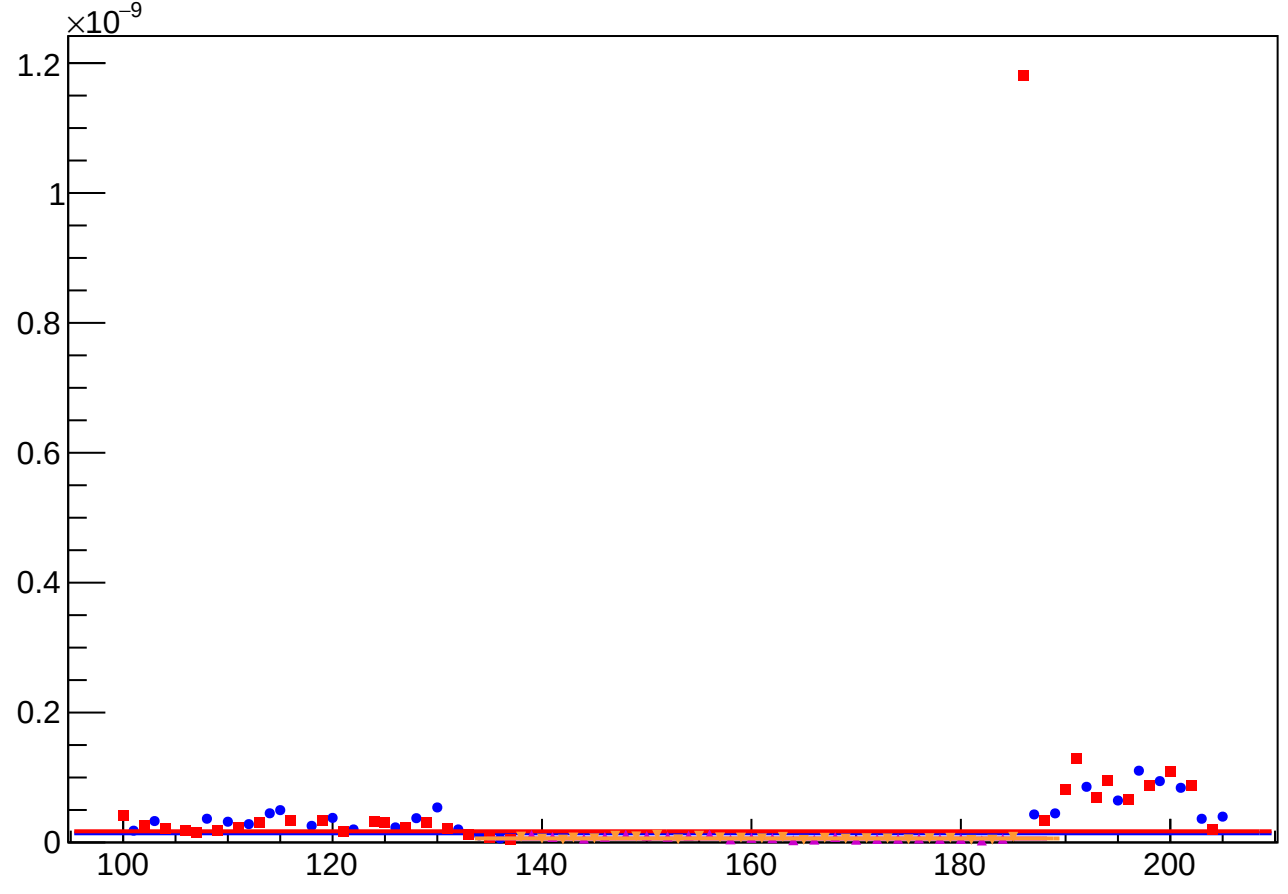
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/49

All: -0.000+/-0.000 χ^2/NDF: 89.9/102

- sign -0.000+/-0.000 χ^2/NDF: 45.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6469971.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621931.7/29

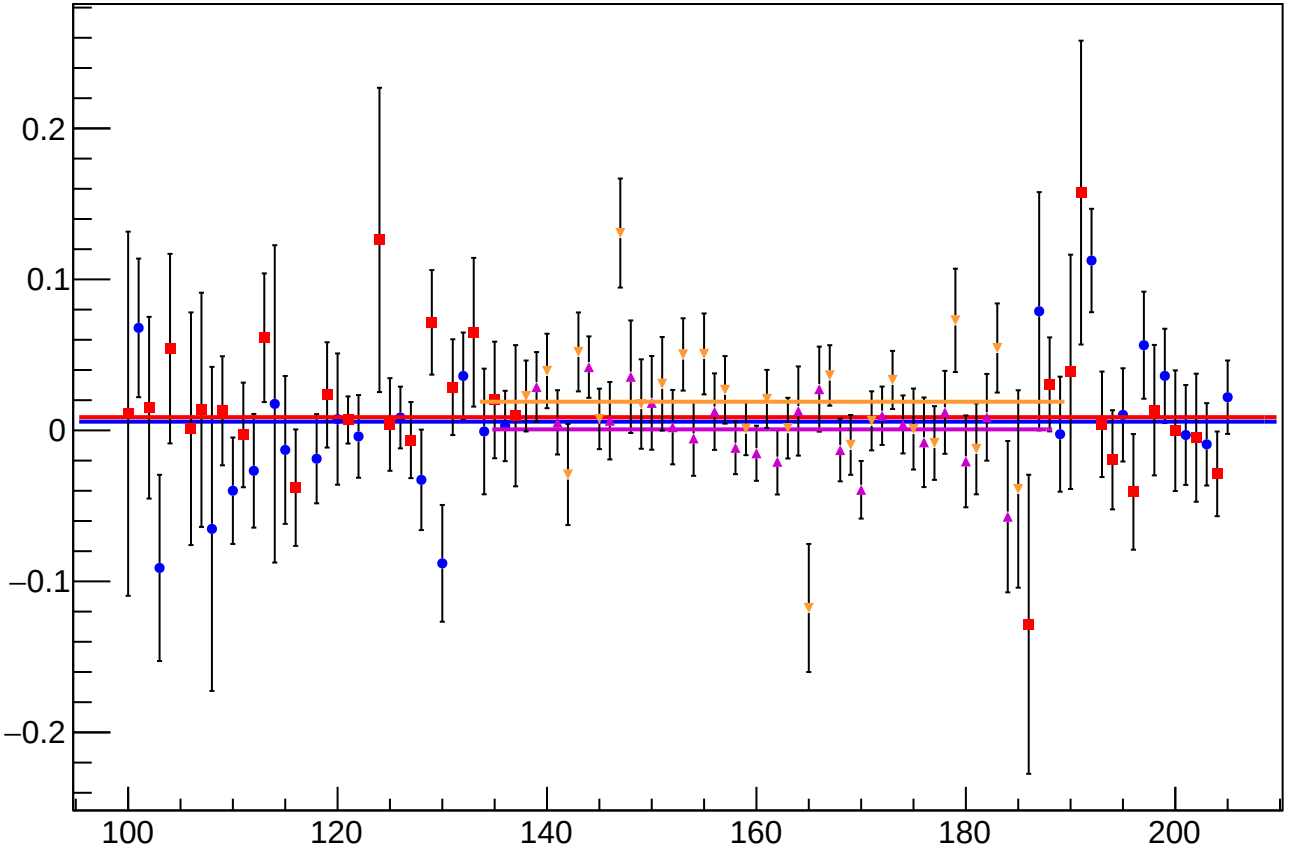
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9490977.2/49

All: 0.000+/-0.000 χ^2/NDF: 19752903.8/102

- sign 0.000+/-0.000 χ^2/NDF: 10261911.3/52

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.009+/-0.007 χ^2/NDF: 19.8/29

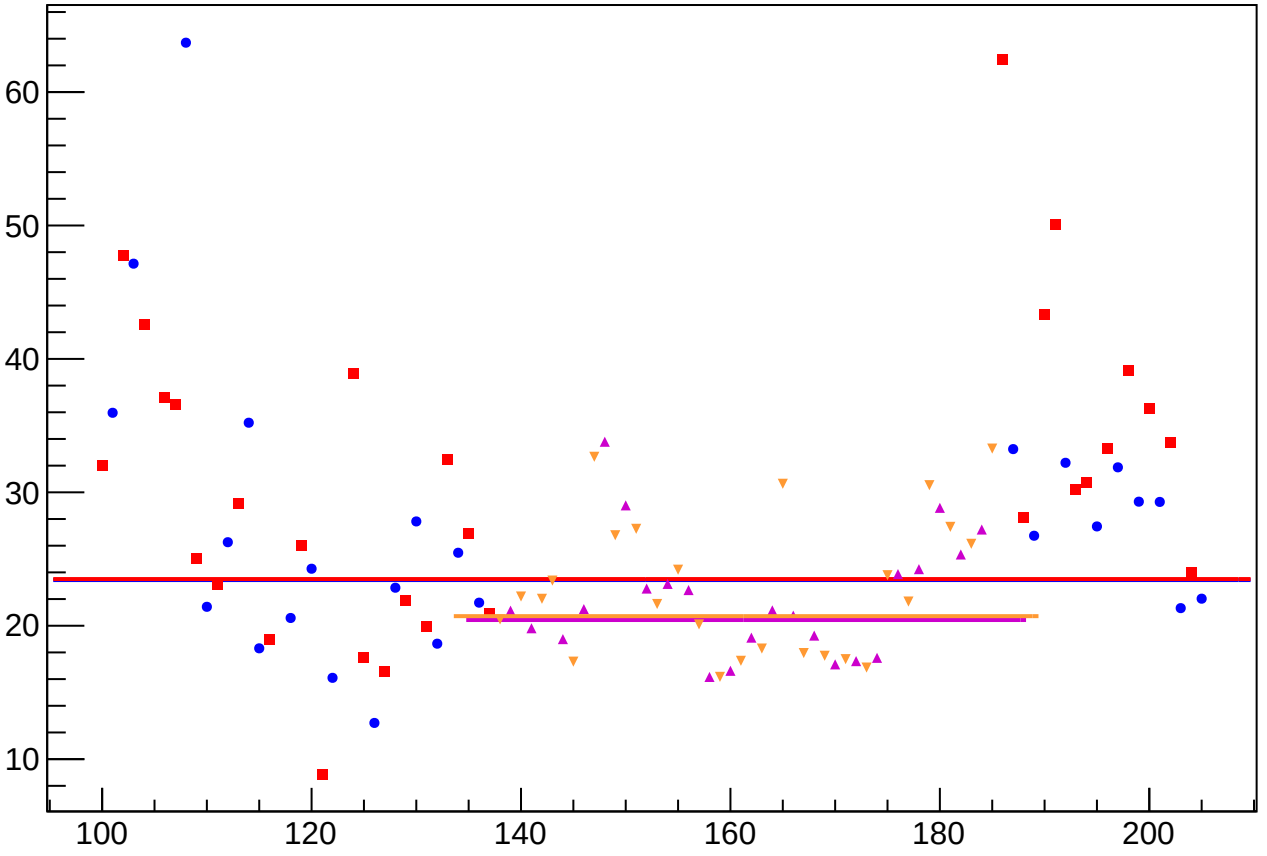
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 116.9/102

- sign 0.003+/-0.004 χ^2/NDF: 38.4/52

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

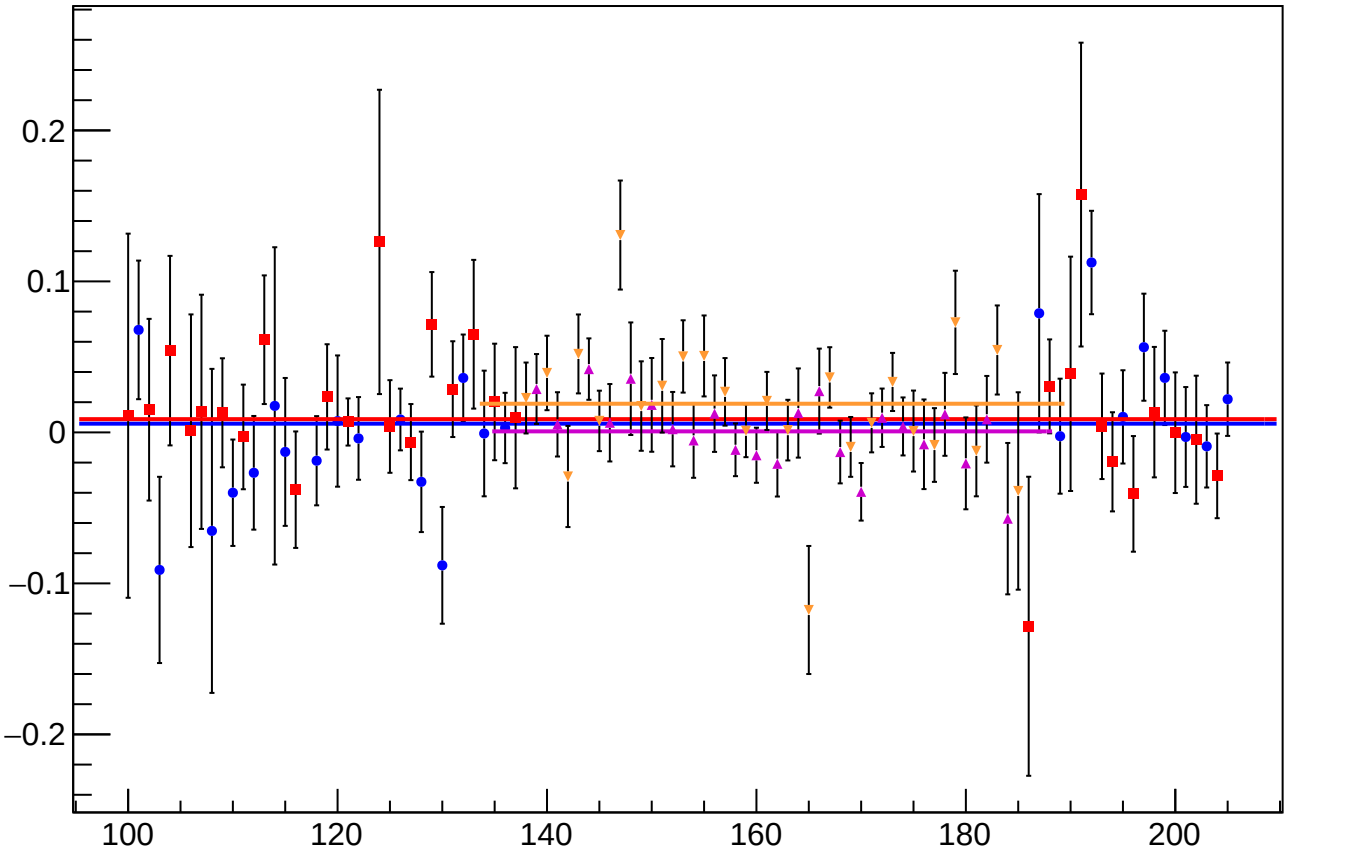
Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795533.1/49

All: 21.567+/-0.002 χ^2/NDF: 9612901.4/102

- sign 21.488+/-0.003 χ^2/NDF: 5815796.6/52



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

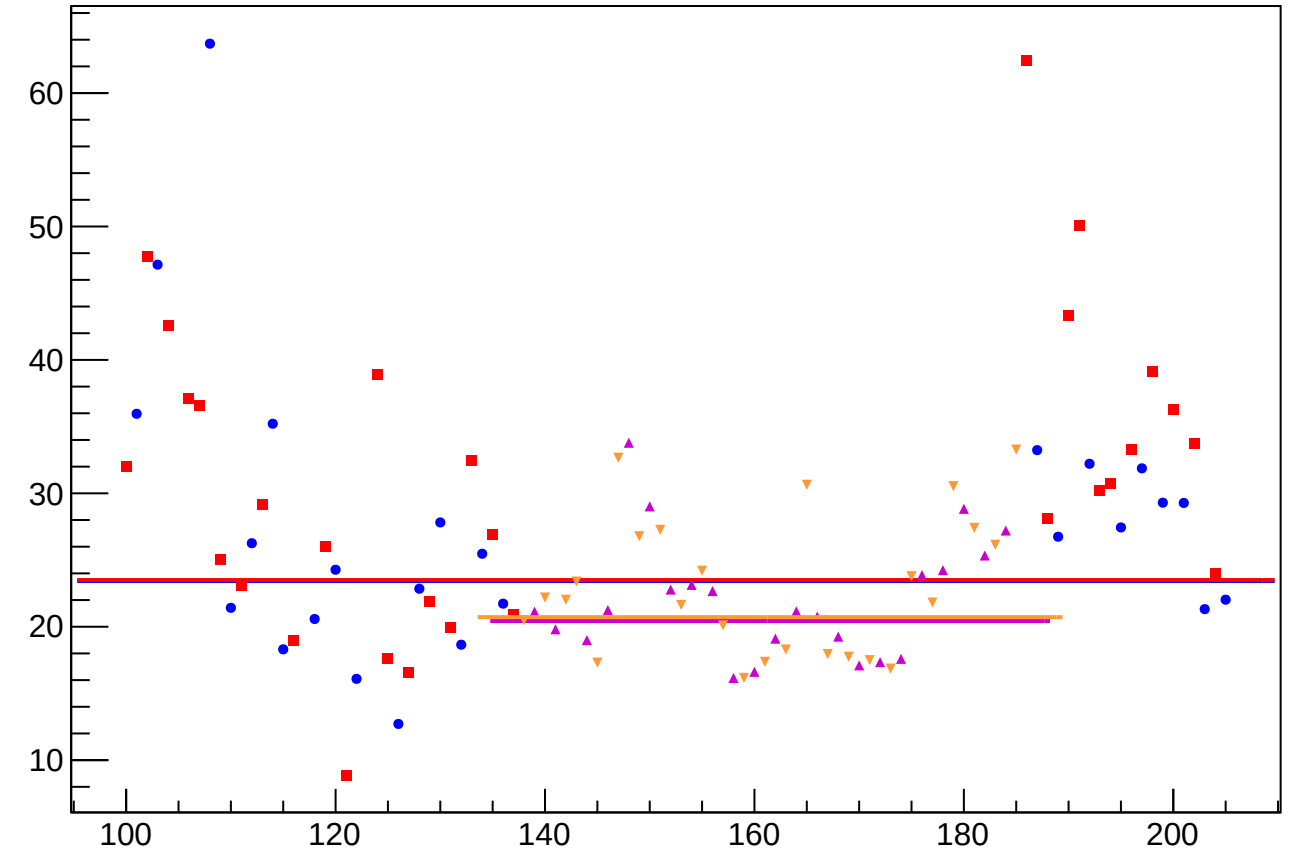
Right Out: 0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 116.9/102

- sign 0.003+/-0.004 χ^2/NDF: 38.4/52



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

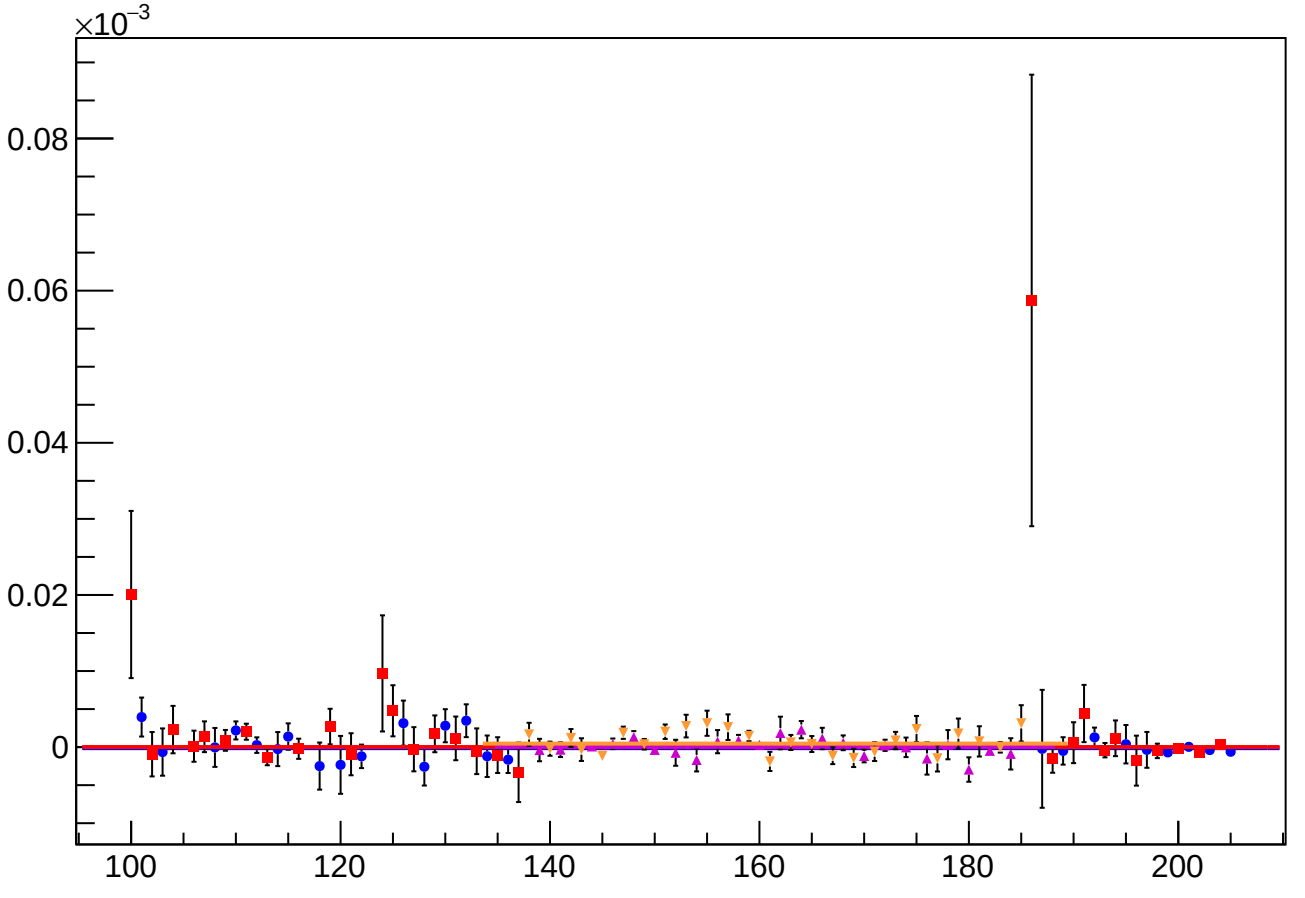
Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795533.1/49

All: 21.567+/-0.002 χ^2/NDF: 9612901.4/102

- sign 21.488+/-0.003 χ^2/NDF: 5815796.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/29

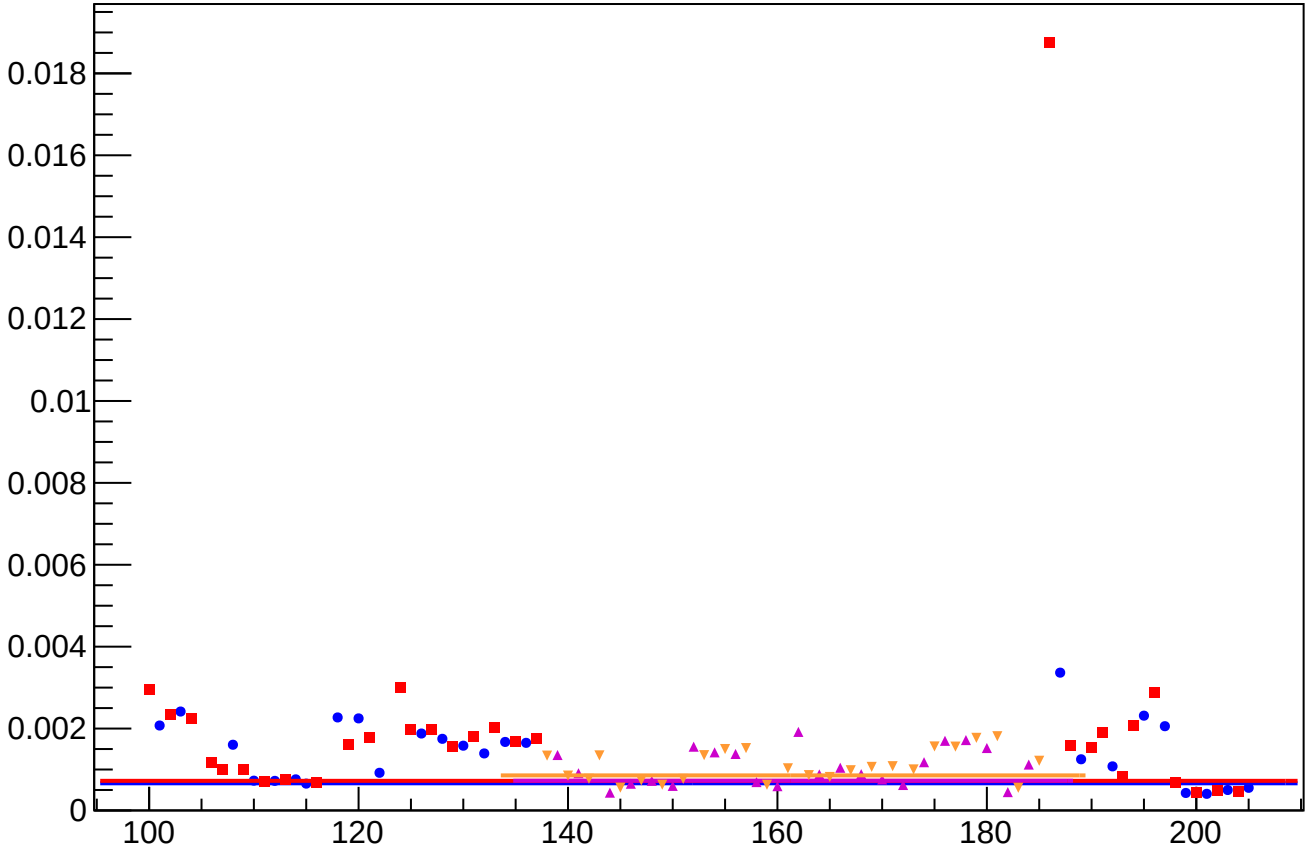
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.7/49

All: 0.000+/-0.000 χ^2/NDF: 106.5/102

- sign 0.000+/-0.000 χ^2/NDF: 45.4/52

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8320257.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

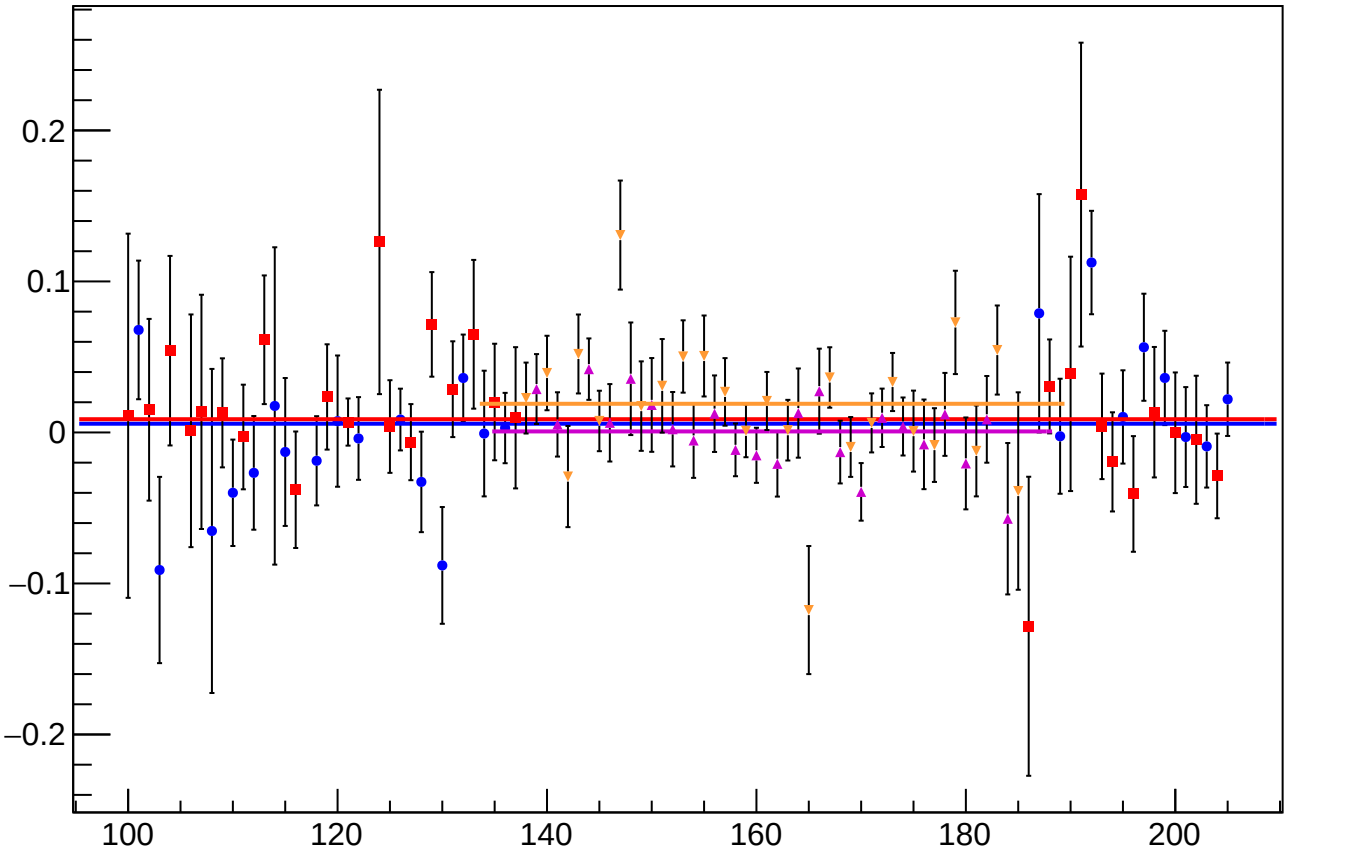
Right Out: 0.001+/-0.000 χ^2/NDF: 8814897.8/29

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 13562512.0/49

All: 0.001+/-0.000 χ^2/NDF: 28250212.5/102

- sign 0.001+/-0.000 χ^2/NDF: 14620278.1/52



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

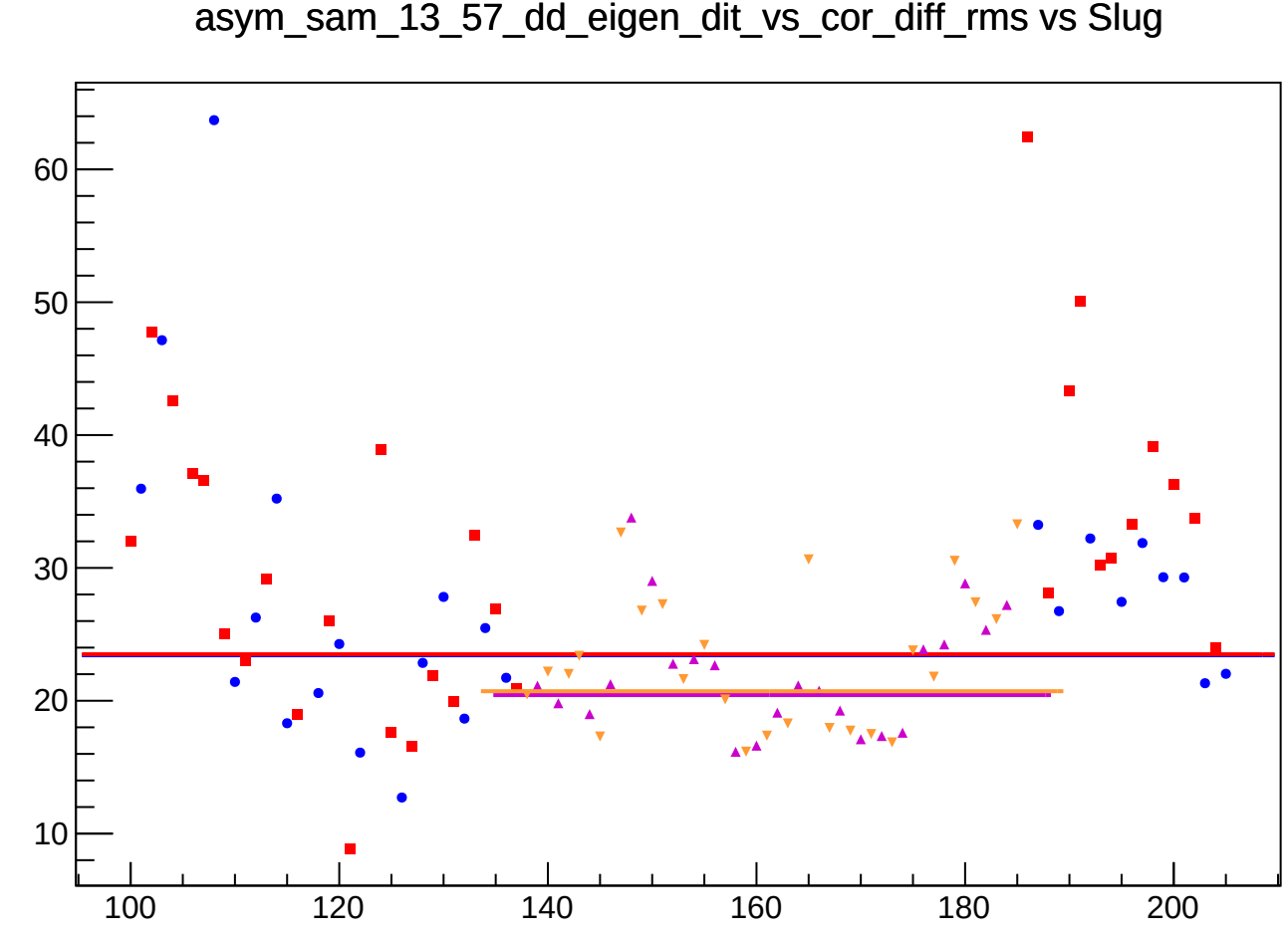
Right Out: 0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 116.9/102

- sign 0.003+/-0.004 χ^2/NDF: 38.4/52



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

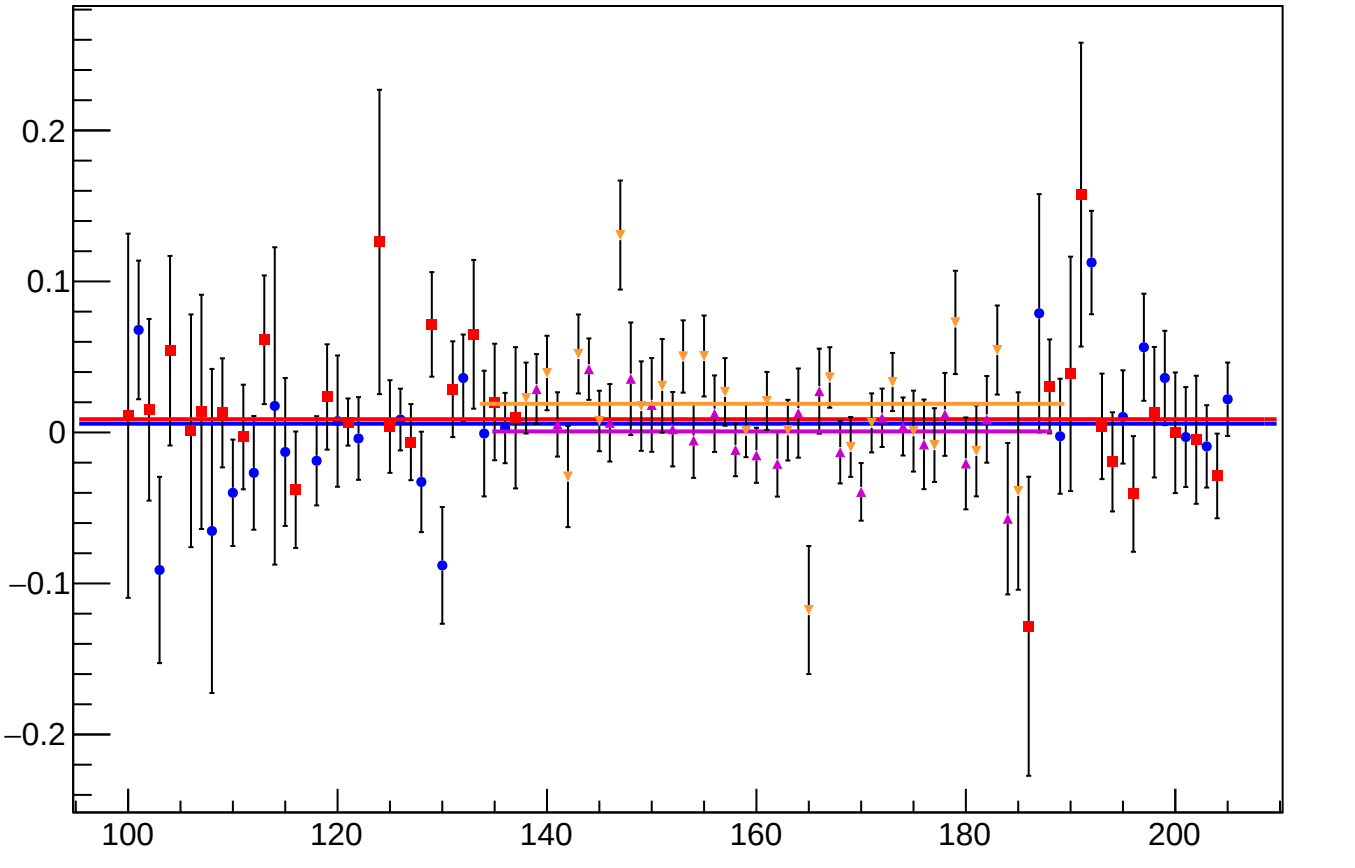
Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795504.0/49

All: 21.567+/-0.002 χ^2/NDF: 9612420.3/102

- sign 21.488+/-0.003 χ^2/NDF: 5815347.7/52



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

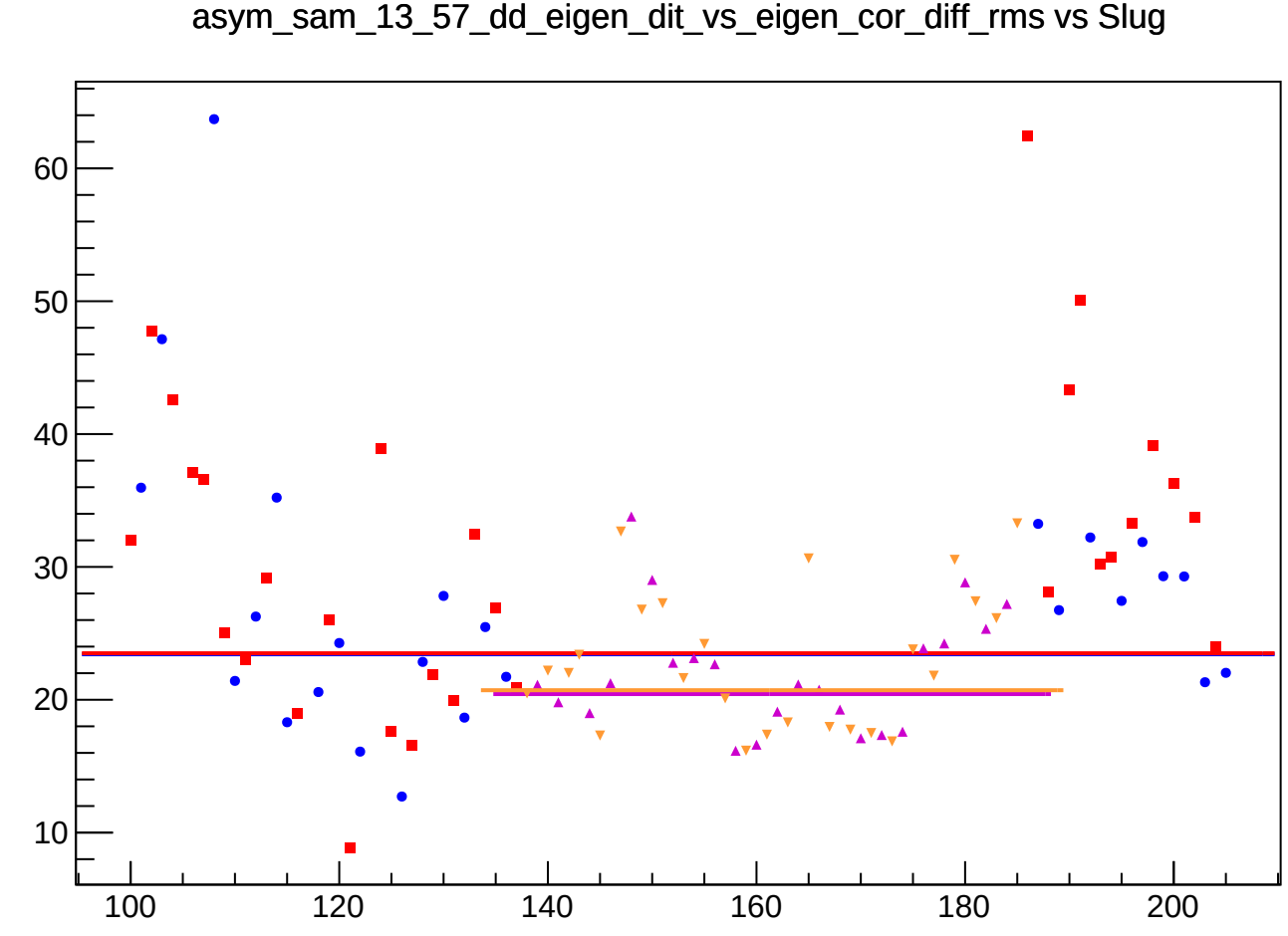
Right Out: 0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 116.9/102

- sign 0.003+/-0.004 χ^2/NDF: 38.4/52



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

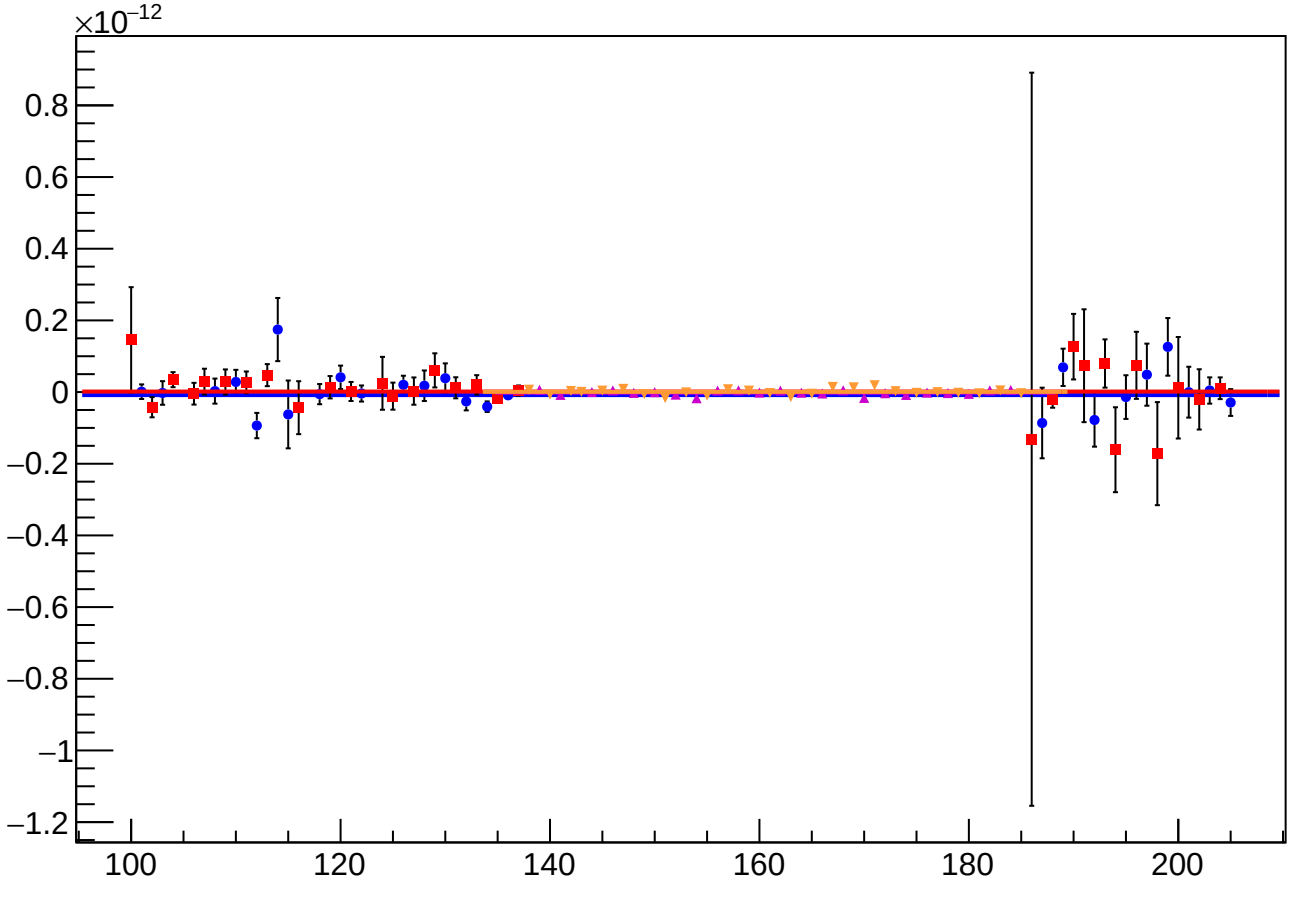
Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795504.0/49

All: 21.567+/-0.002 χ^2/NDF: 9612420.3/102

- sign 21.488+/-0.003 χ^2/NDF: 5815347.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

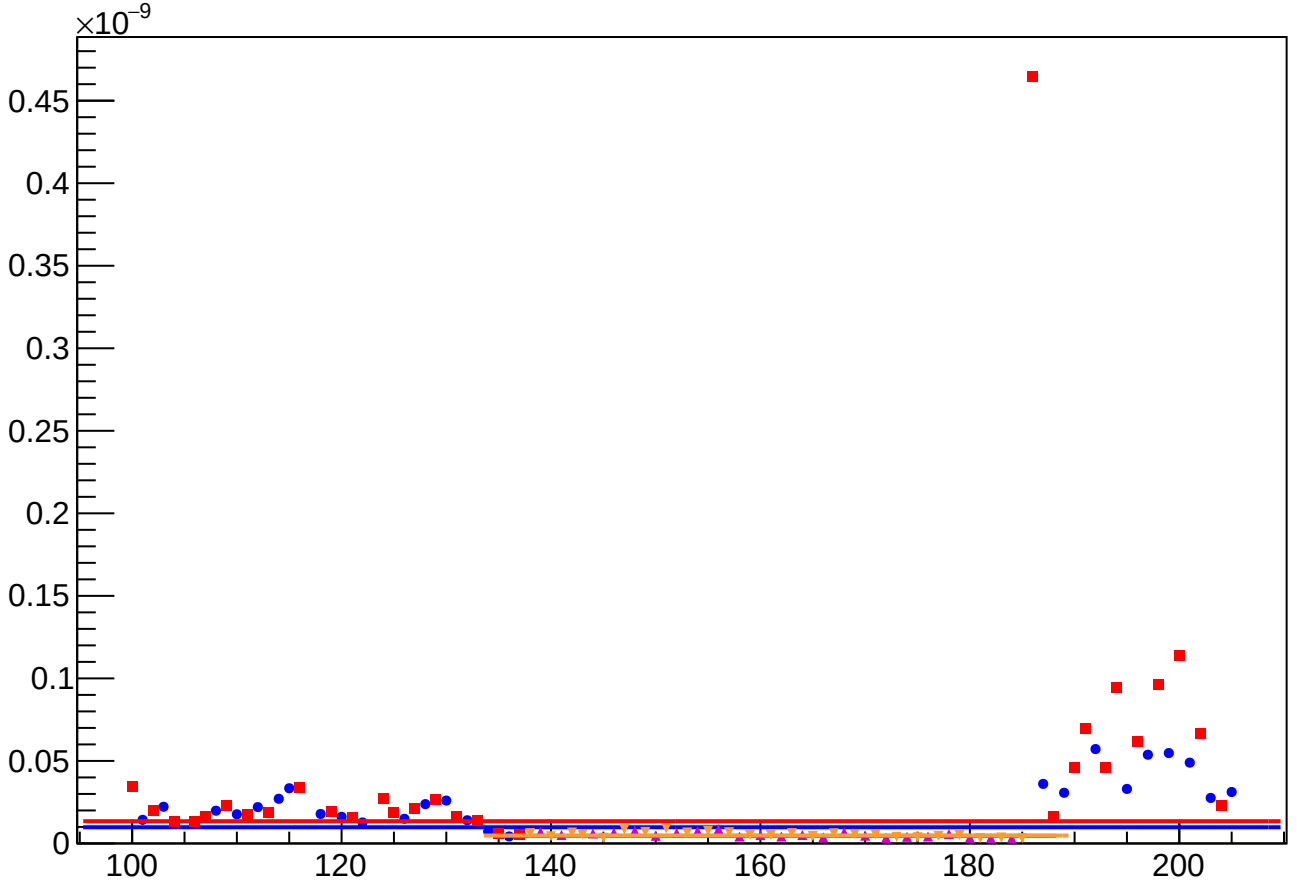
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/49

All: -0.000+/-0.000 χ^2/NDF: 109.8/102

- sign -0.000+/-0.000 χ^2/NDF: 46.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 8391237.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8364070.1/29

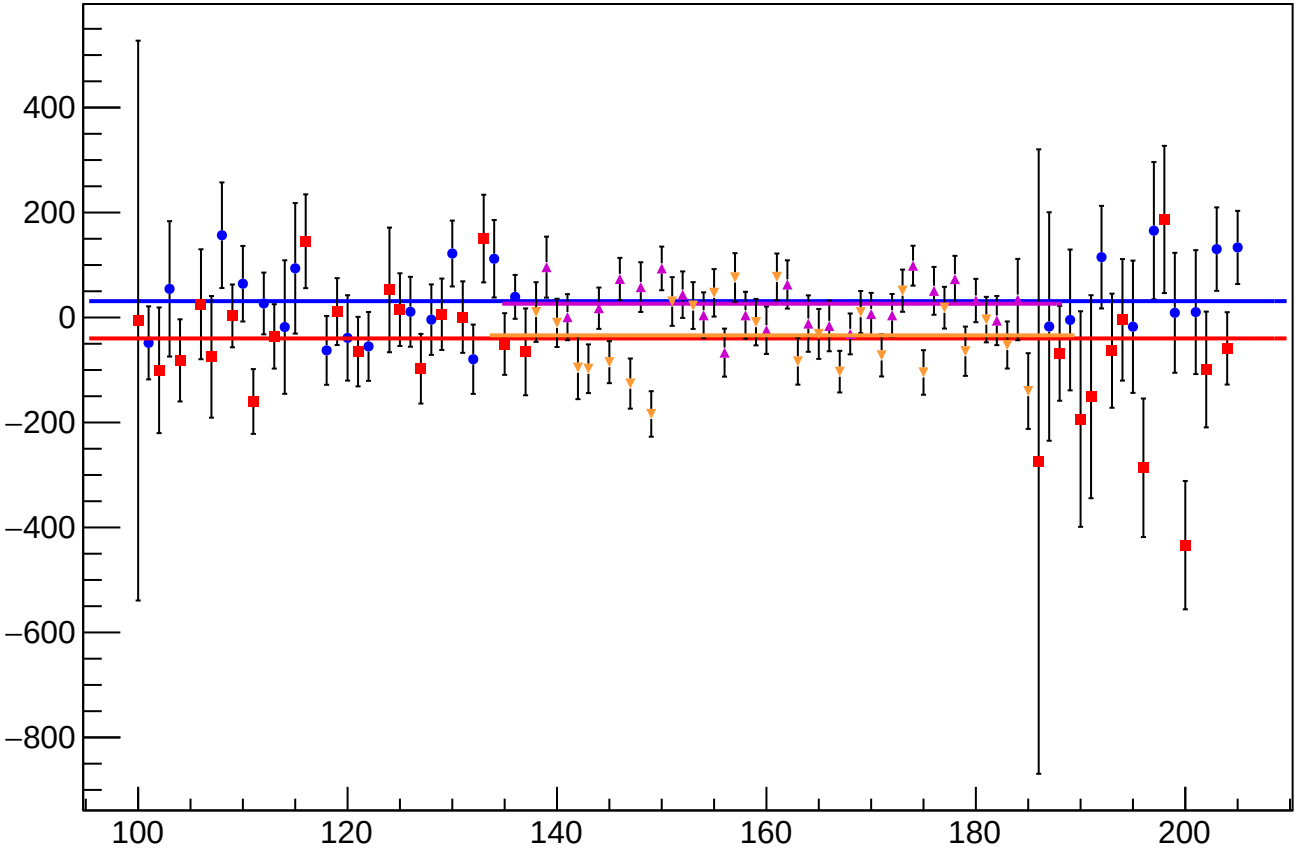
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12927011.9/49

All: 0.000+/-0.000 χ^2/NDF: 28358921.8/102

- sign 0.000+/-0.000 χ^2/NDF: 15427290.2/52

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 31.166+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -39.844+/-15.560 χ^2/NDF: 36.7/29

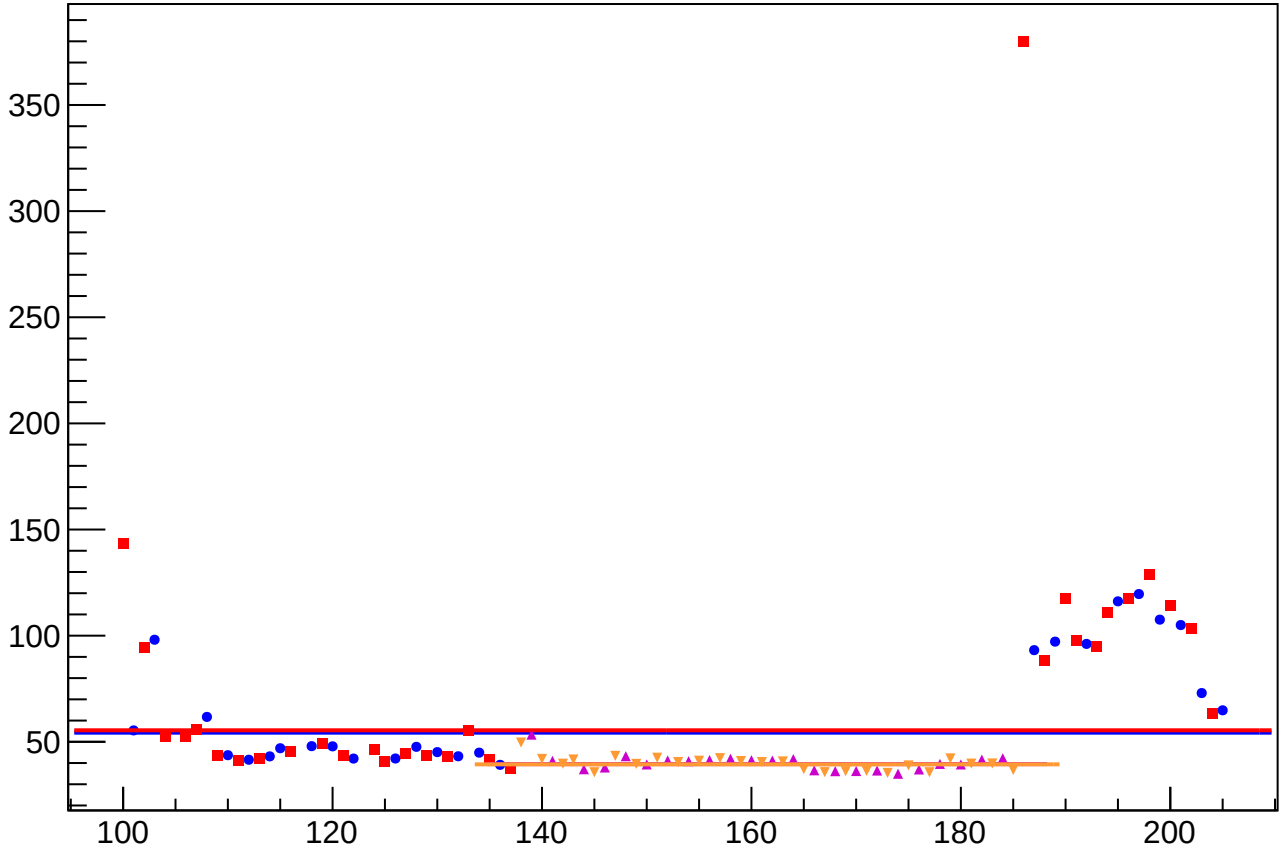
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -17.763+/-7.796 χ^2/NDF: 92.1/49

All: -4.696+/-5.571 χ^2/NDF: 170.3/102

- sign 8.945+/-7.965 χ^2/NDF: 72.5/52

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 54.311+/-0.011 χ^2/NDF: 3557862.1/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

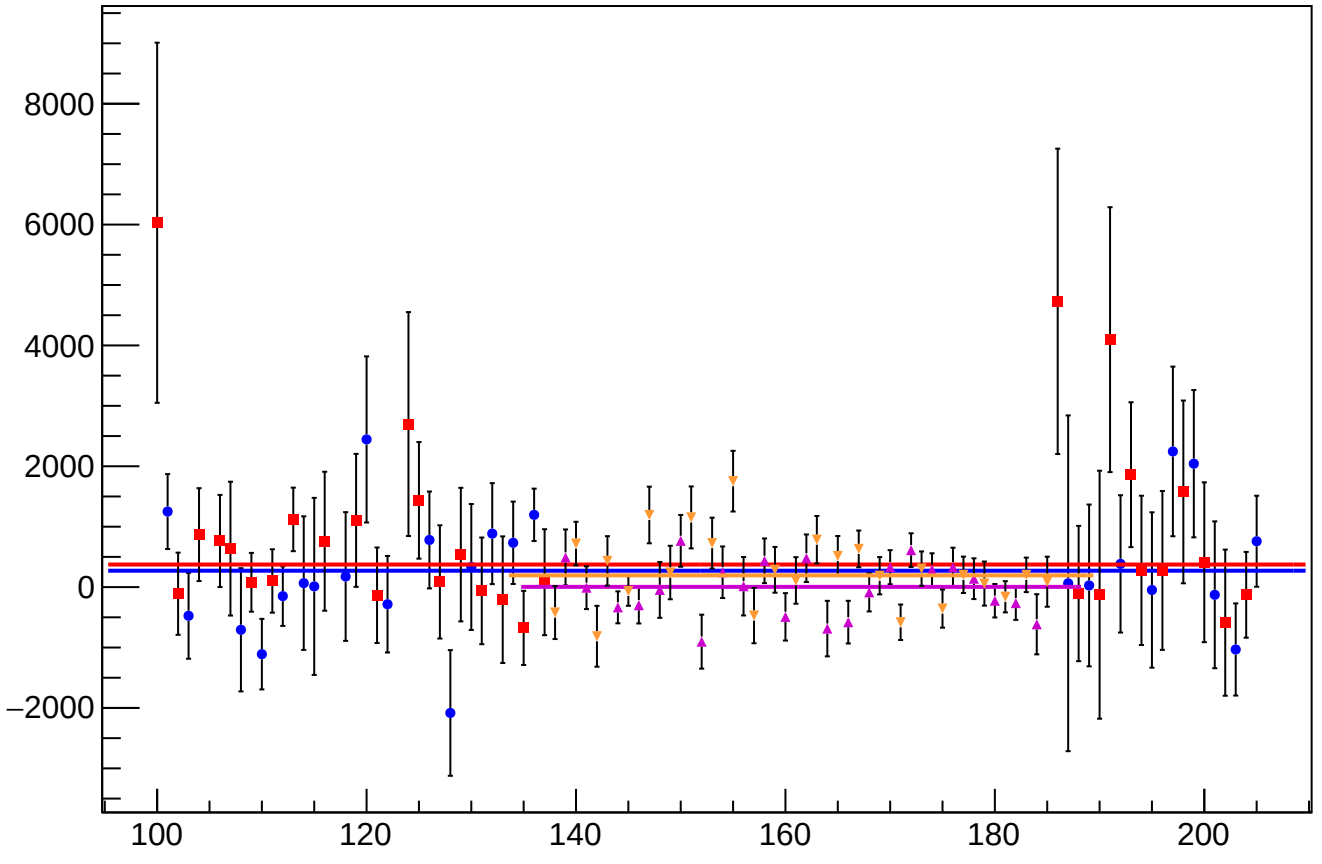
Right Out: 55.421+/-0.011 χ^2/NDF: 4865494.4/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.095+/-0.006 χ^2/NDF: 5156975.0/49

All: 43.373+/-0.004 χ^2/NDF: 11826404.0/102

- sign 43.665+/-0.006 χ^2/NDF: 6664199.4/52



Right In: 271.289+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 373.640+/-162.995 χ^2/NDF: 24.4/29

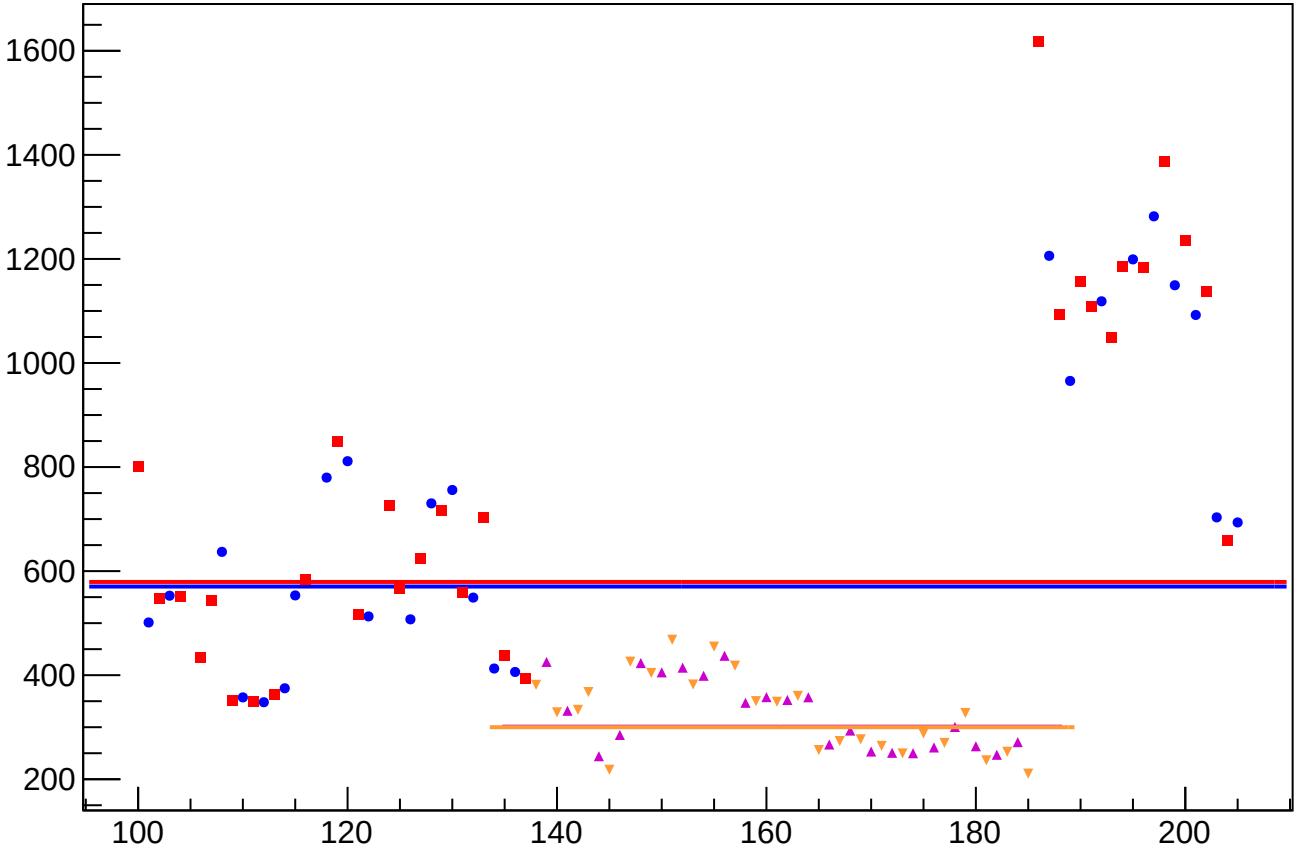
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 206.641+/-64.536 χ^2/NDF: 81.4/49

All: 136.918+/-46.090 χ^2/NDF: 144.8/102

- sign 64.336+/-65.846 χ^2/NDF: 61.0/52

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 570.342+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 579.206+/-0.115 χ^2/NDF: 5420758.0/29

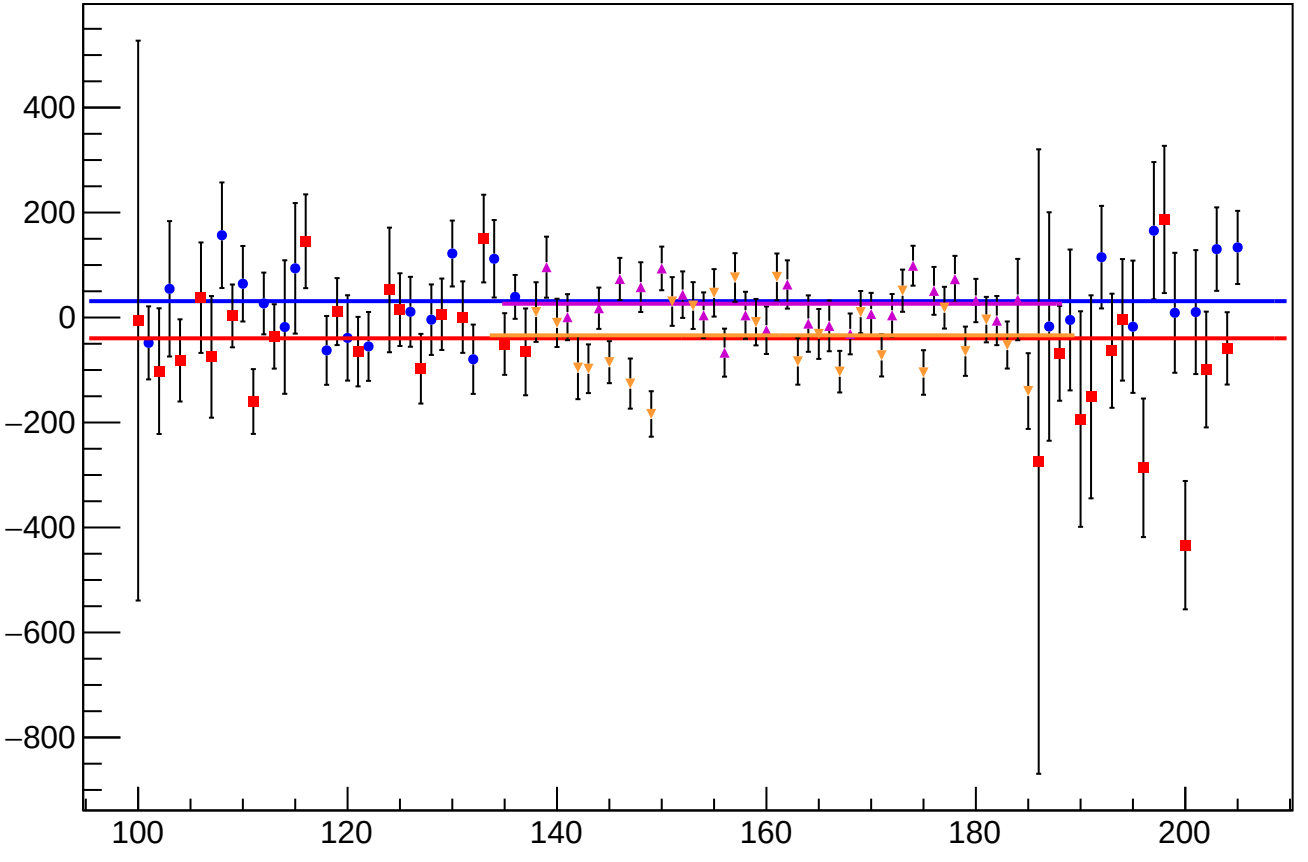
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 341.143+/-0.046 χ^2/NDF: 10447685.8/49

All: 343.720+/-0.033 χ^2/NDF: 22157868.5/10

- sign 346.402+/-0.047 χ^2/NDF: 11703677.0/52

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -39.609+/-15.562 χ^2/NDF: 36.8/29

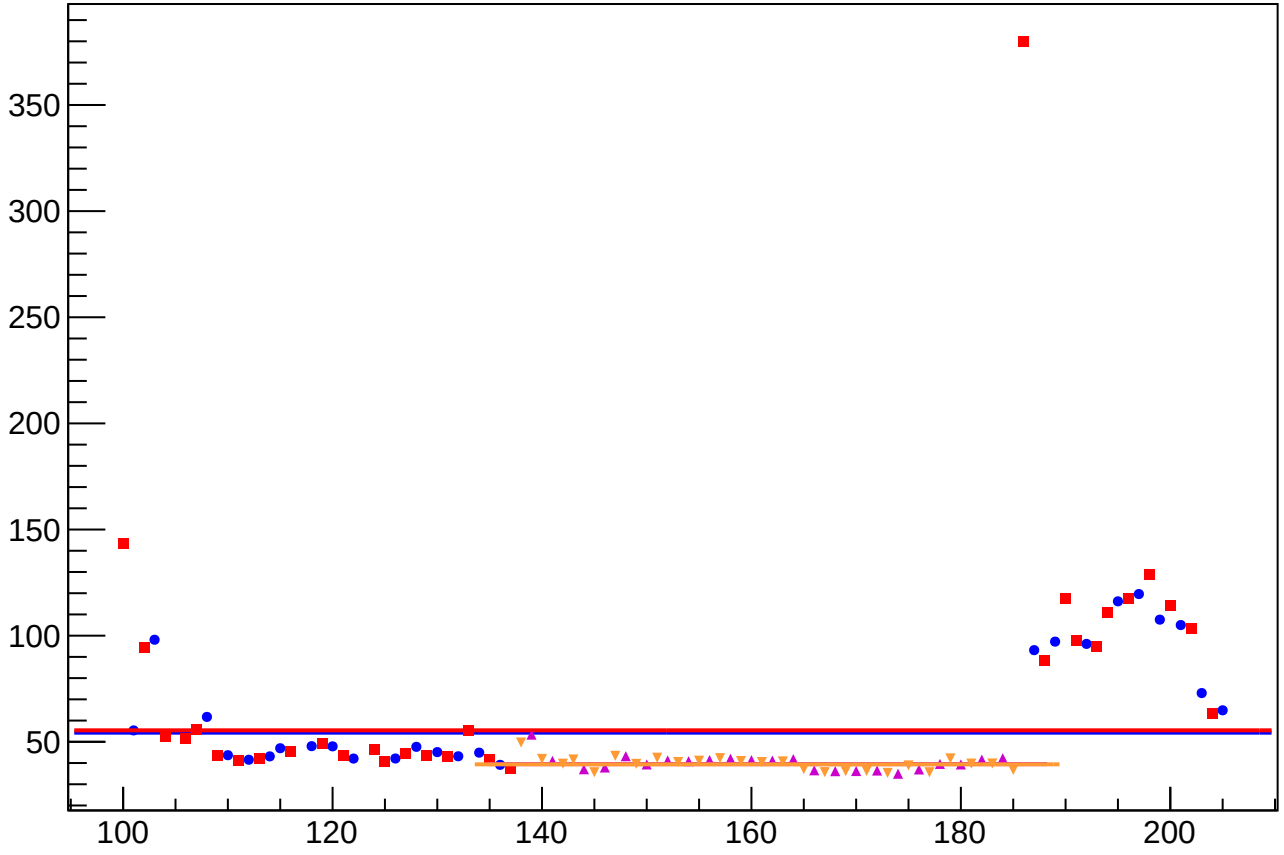
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -17.761+/-7.796 χ^2/NDF: 92.1/49

All: -4.664+/-5.571 χ^2/NDF: 170.4/102

- sign 9.010+/-7.965 χ^2/NDF: 72.5/52

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

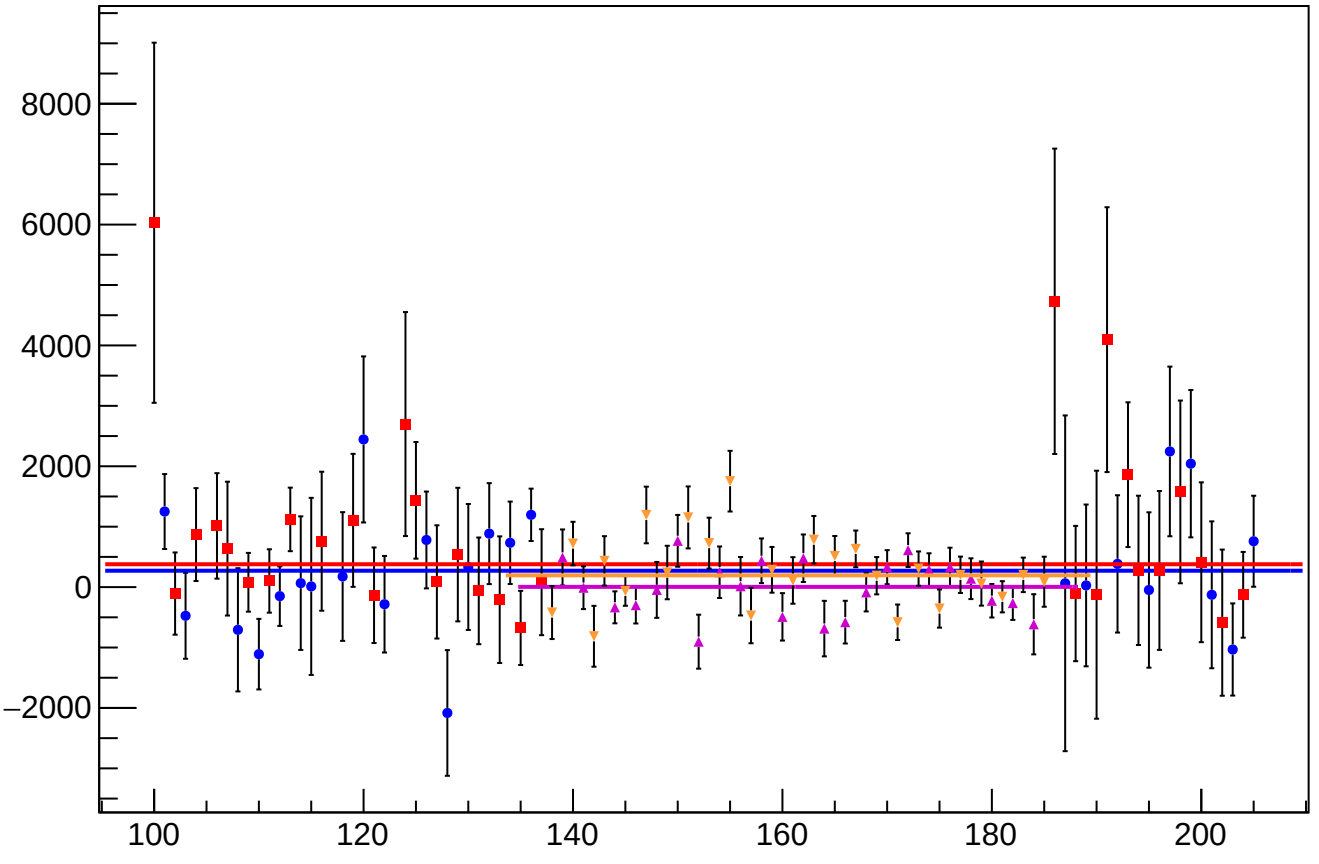
Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.095+/-0.006 χ^2/NDF: 5156977.9/49

All: 43.371+/-0.004 χ^2/NDF: 11823927.4/102

- sign 43.659+/-0.006 χ^2/NDF: 6661814.3/52



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 378.399+/-163.889 χ^2/NDF: 24.6/29

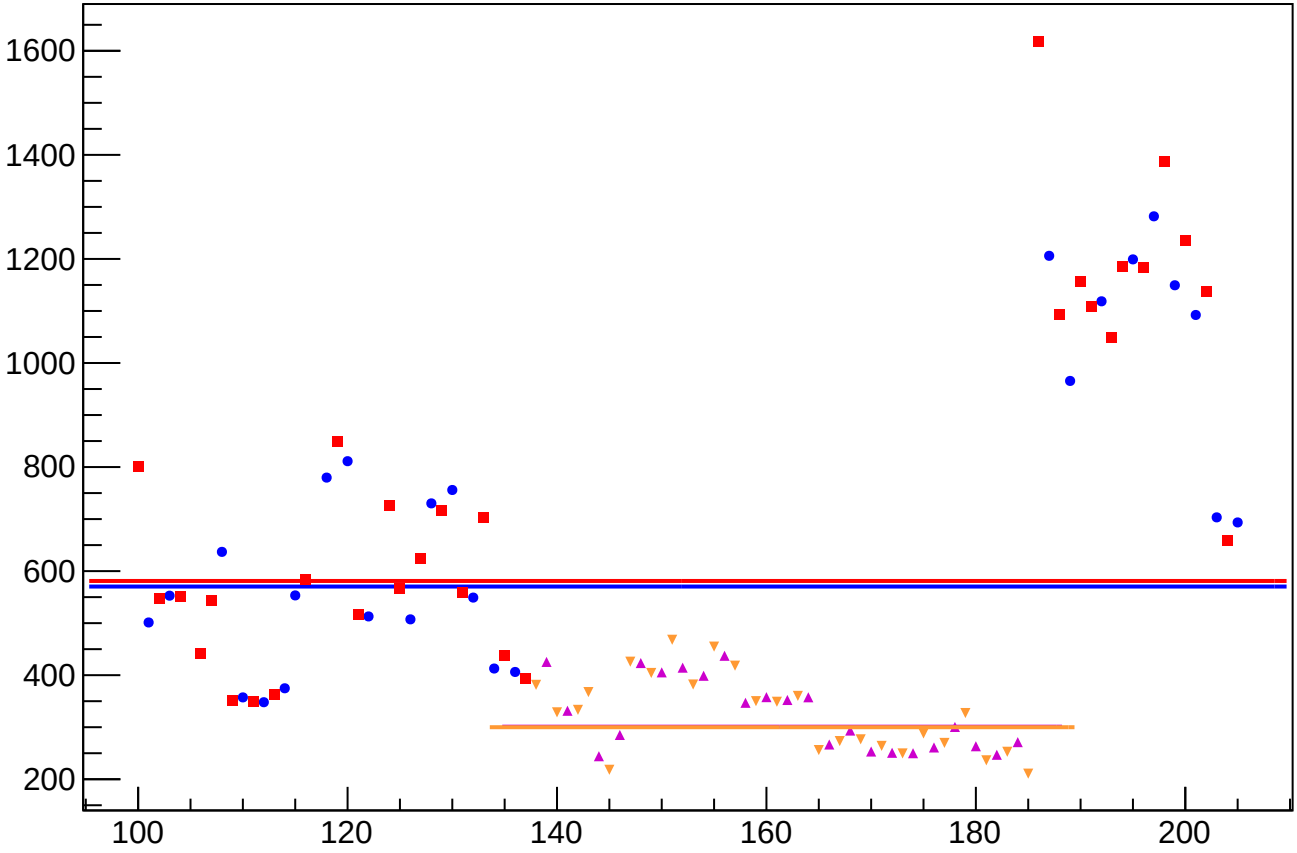
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 206.640+/-64.536 χ^2/NDF: 81.4/49

All: 137.088+/-46.110 χ^2/NDF: 145.1/102

- sign 64.555+/-65.905 χ^2/NDF: 61.4/52

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

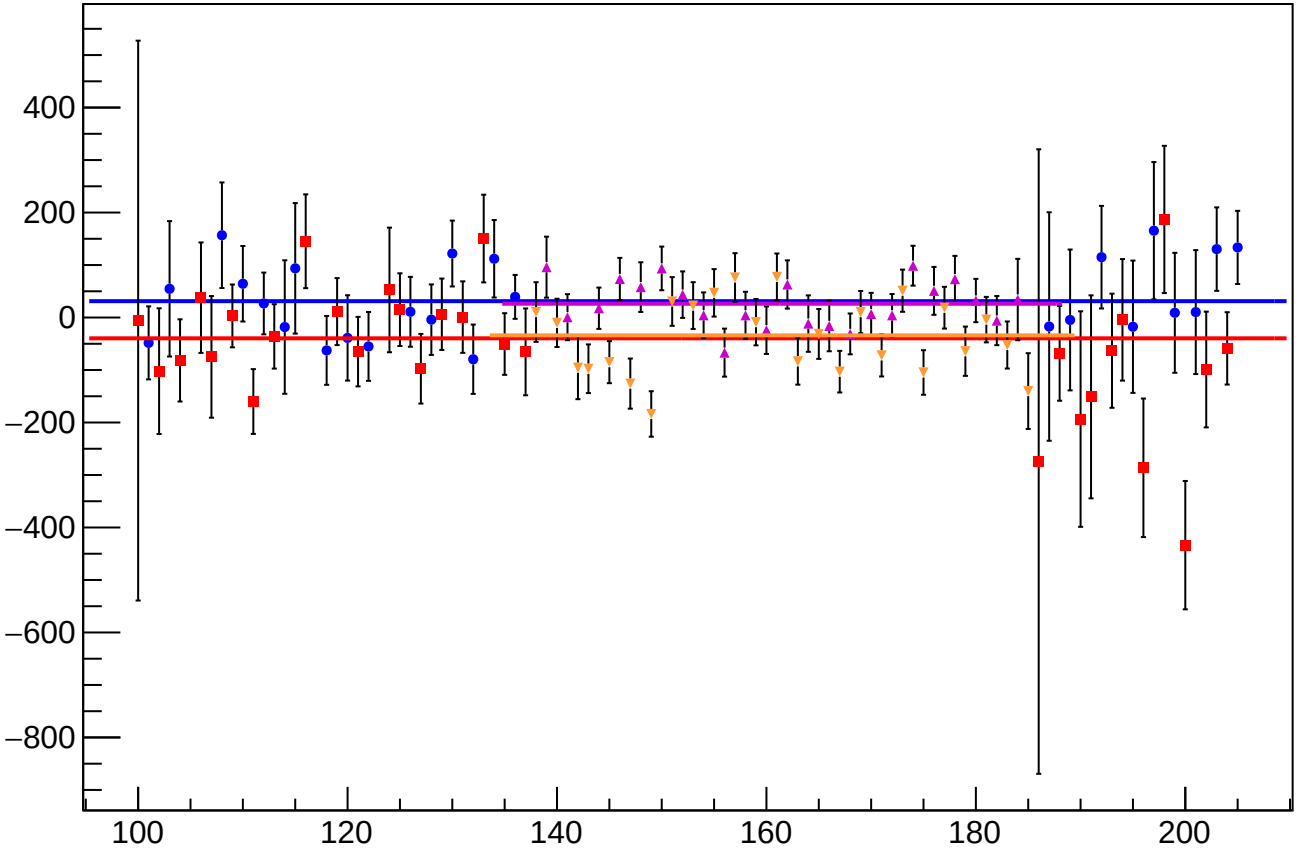
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 341.143+/-0.046 χ^2/NDF: 10447727.5/49

All: 343.662+/-0.033 χ^2/NDF: 22155314.8/10

- sign 346.289+/-0.047 χ^2/NDF: 11701362.8/52

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -39.609+/-15.562 χ^2/NDF: 36.8/29

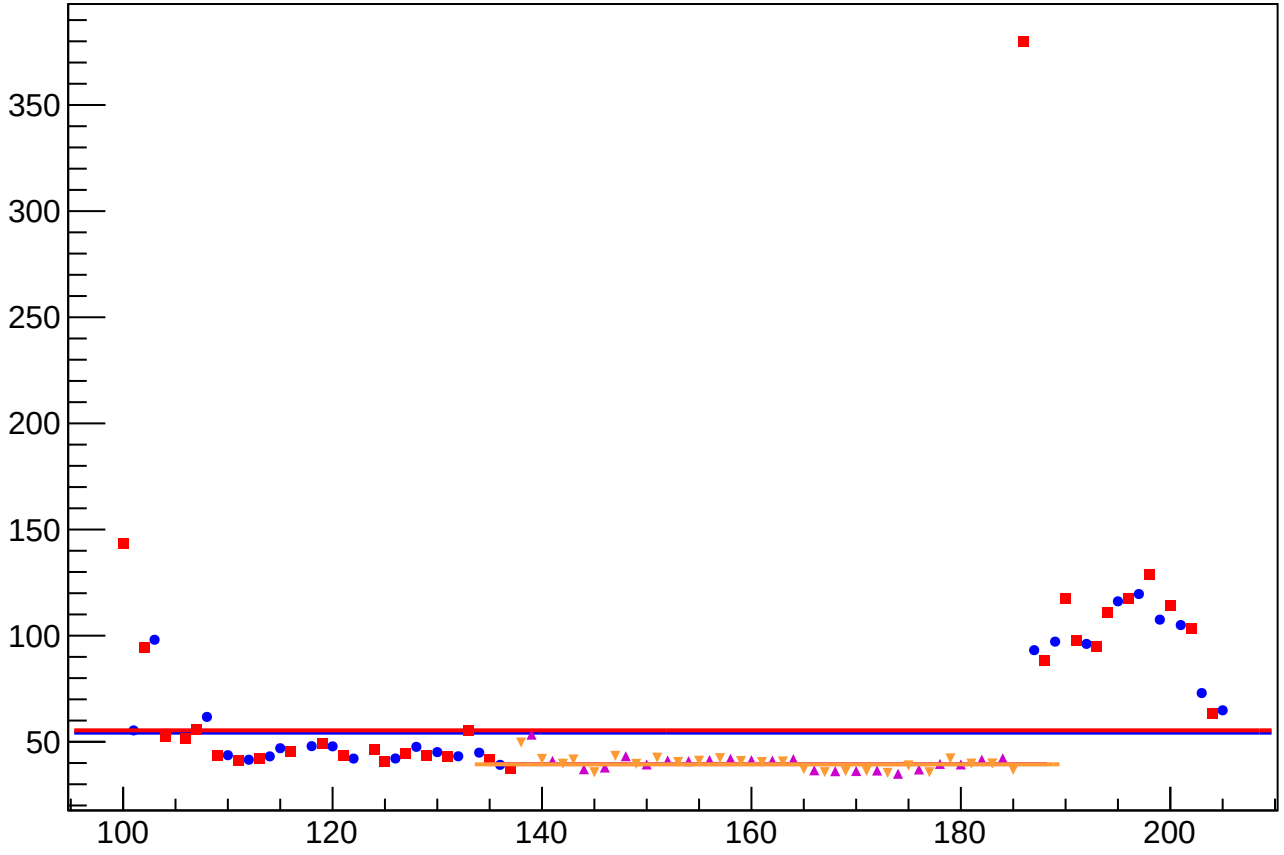
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -17.761+/-7.796 χ^2/NDF: 92.1/49

All: -4.664+/-5.571 χ^2/NDF: 170.4/102

- sign 9.010+/-7.965 χ^2/NDF: 72.5/52

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

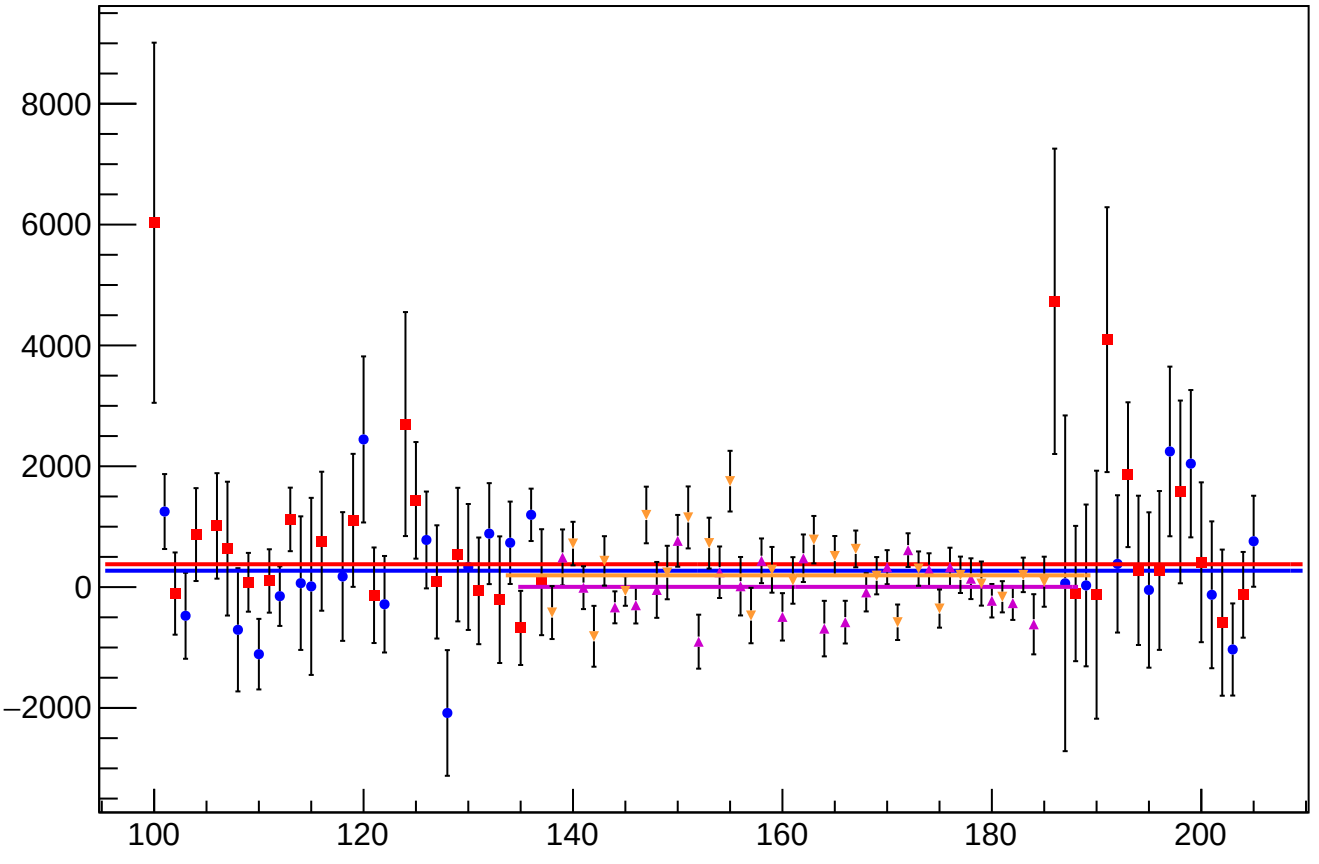
Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.095+/-0.006 χ^2/NDF: 5156977.9/49

All: 43.371+/-0.004 χ^2/NDF: 11823927.4/102

- sign 43.659+/-0.006 χ^2/NDF: 6661814.3/52



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

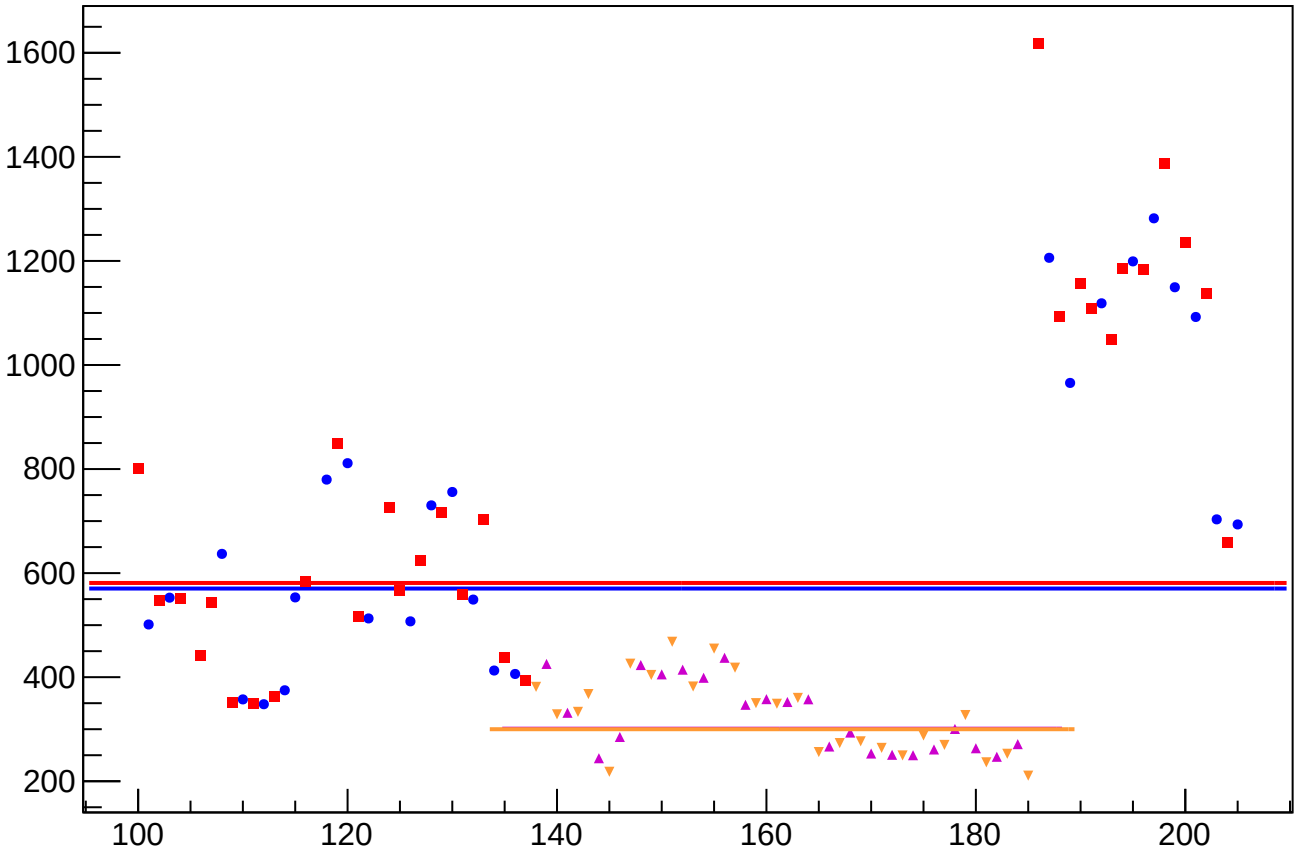
Right Out: 378.399+/-163.889 χ^2/NDF: 24.6/29

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 206.640+/-64.536 χ^2/NDF: 81.4/49

All: 137.088+/-46.110 χ^2/NDF: 145.1/102

- sign 64.555+/-65.905 χ^2/NDF: 61.4/52



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

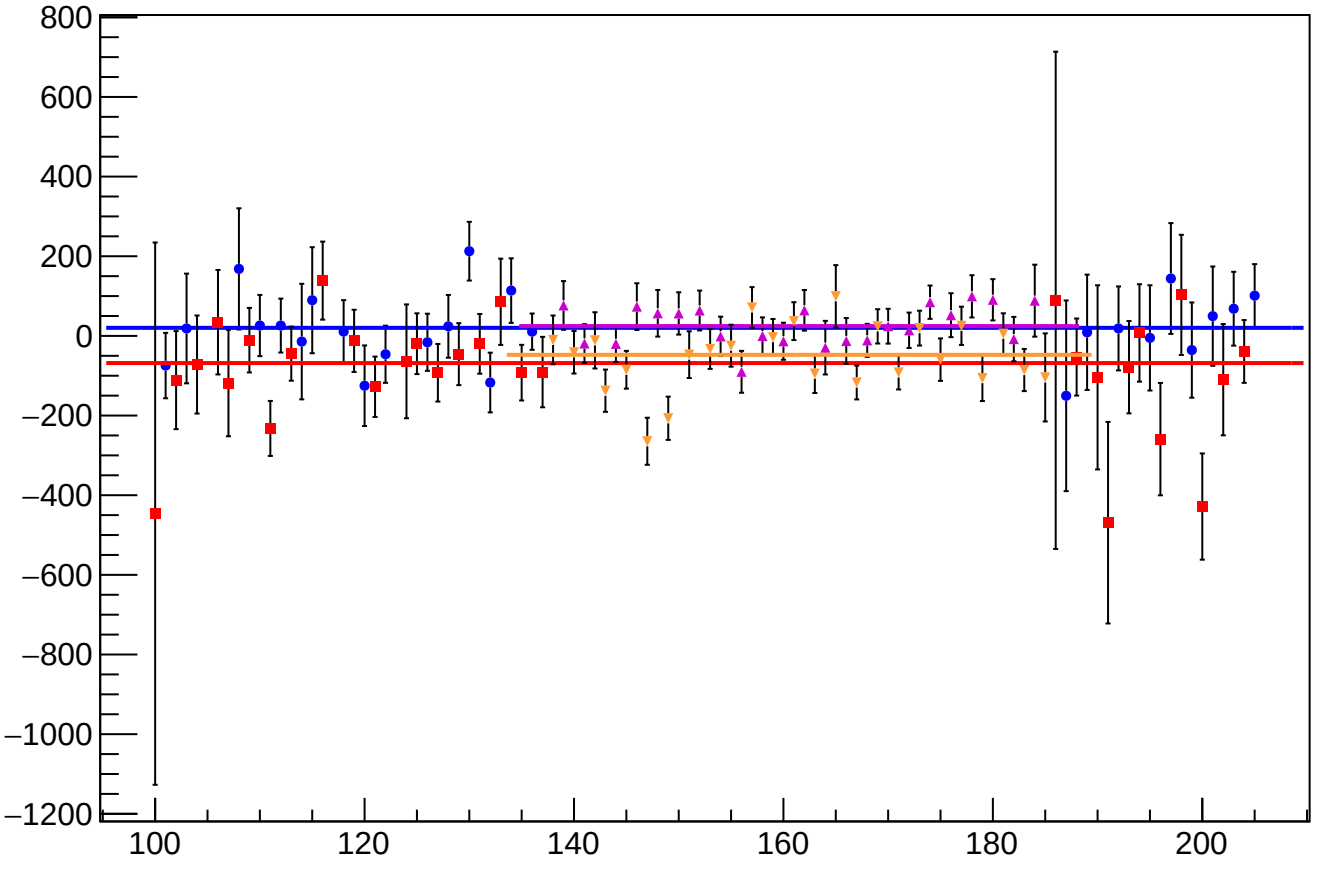
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 341.143+/-0.046 χ^2/NDF: 10447727.5/49

All: 343.662+/-0.033 χ^2/NDF: 22155314.8/10

- sign 346.289+/-0.047 χ^2/NDF: 11701362.8/52

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -68.172+/-17.989 χ^2/NDF: 29.9/29

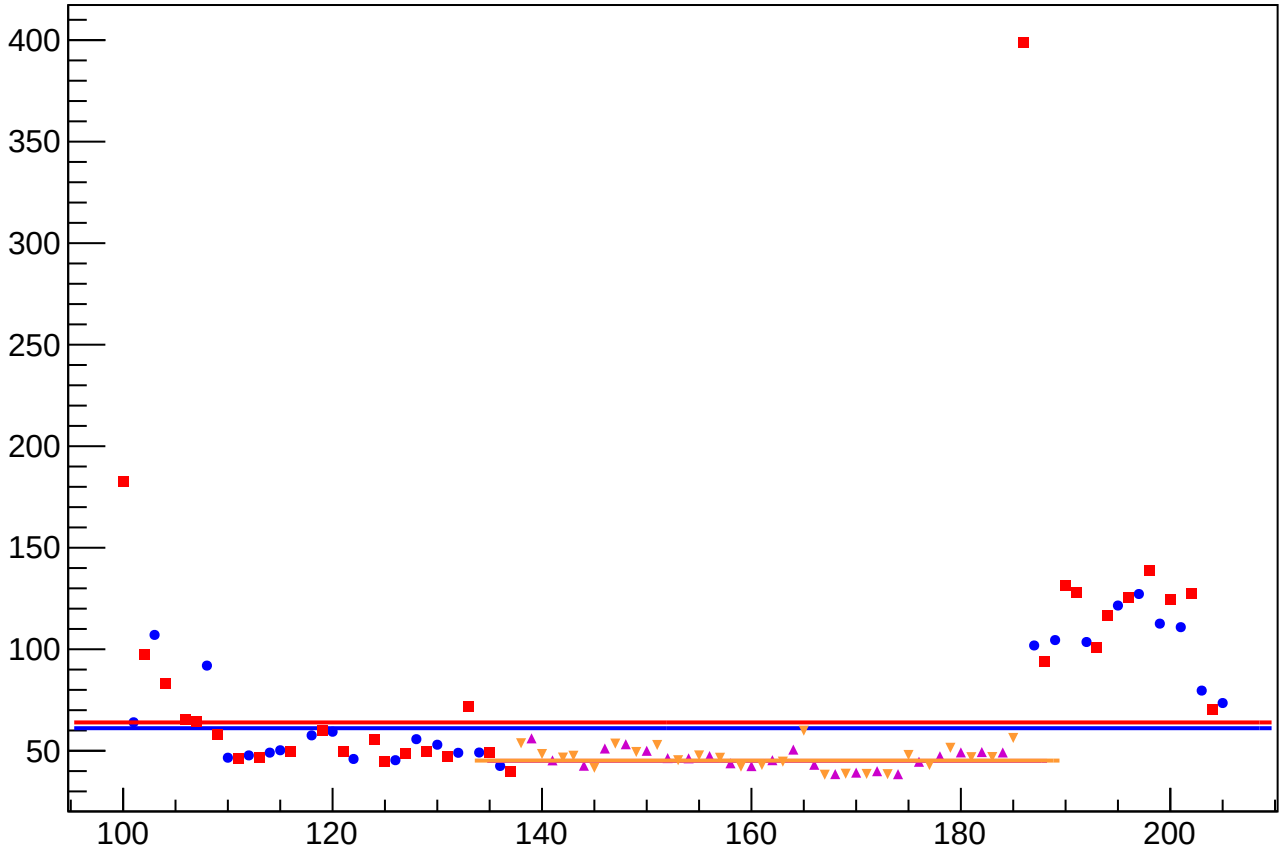
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -30.031+/-8.954 χ^2/NDF: 85.9/49

All: -15.104+/-6.407 χ^2/NDF: 161.0/102

- sign 0.554+/-9.171 χ^2/NDF: 69.3/52

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 61.123+/-0.012 χ^2/NDF: 3386285.7/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.964+/-0.013 χ^2/NDF: 4646805.1/29

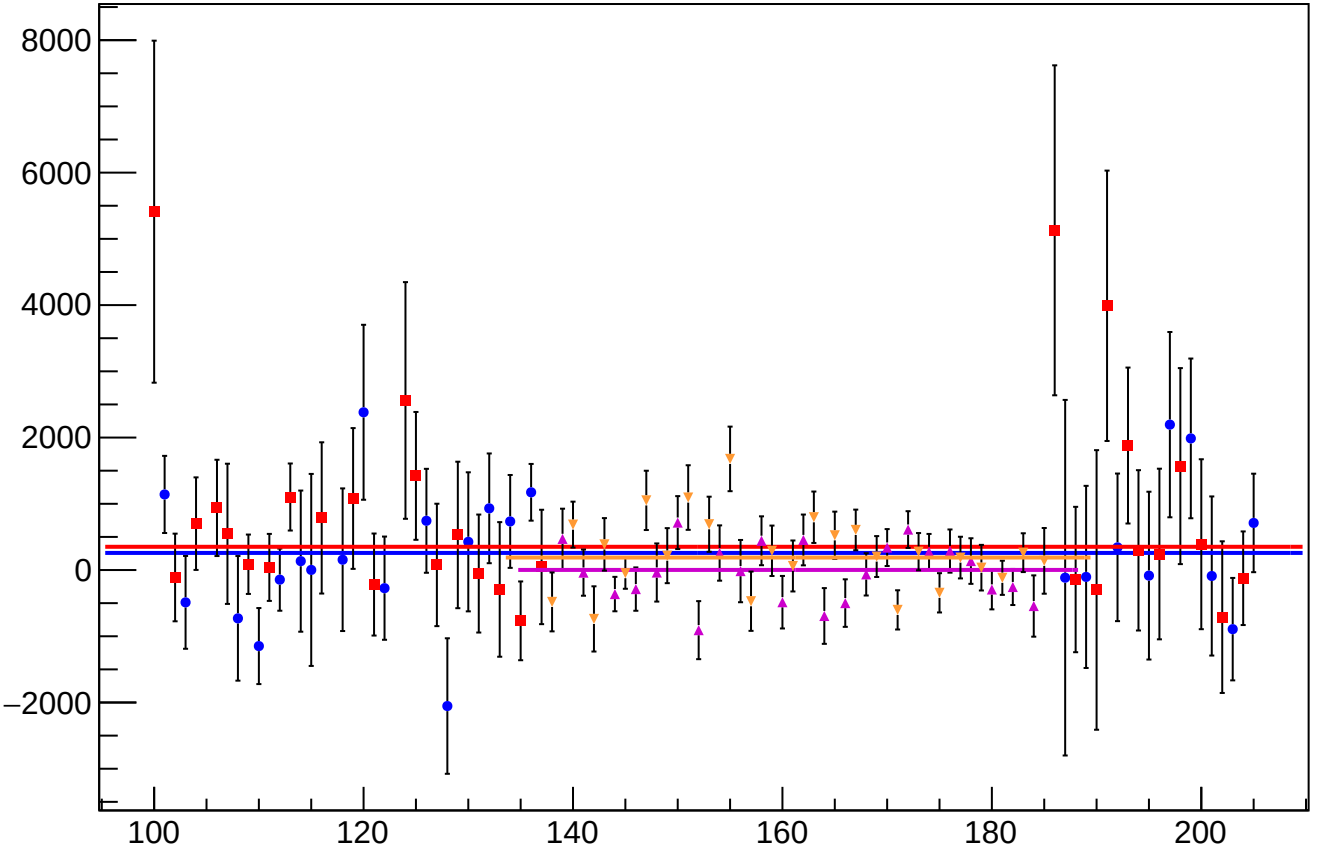
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 49.283+/-0.006 χ^2/NDF: 5089268.1/49

All: 49.604+/-0.005 χ^2/NDF: 11756056.8/102

- sign 49.941+/-0.006 χ^2/NDF: 6661504.5/52

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 258.328+/-162.144 χ^2/NDF: 32.4/24

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 350.962+/-157.208 χ^2/NDF: 27.3/29

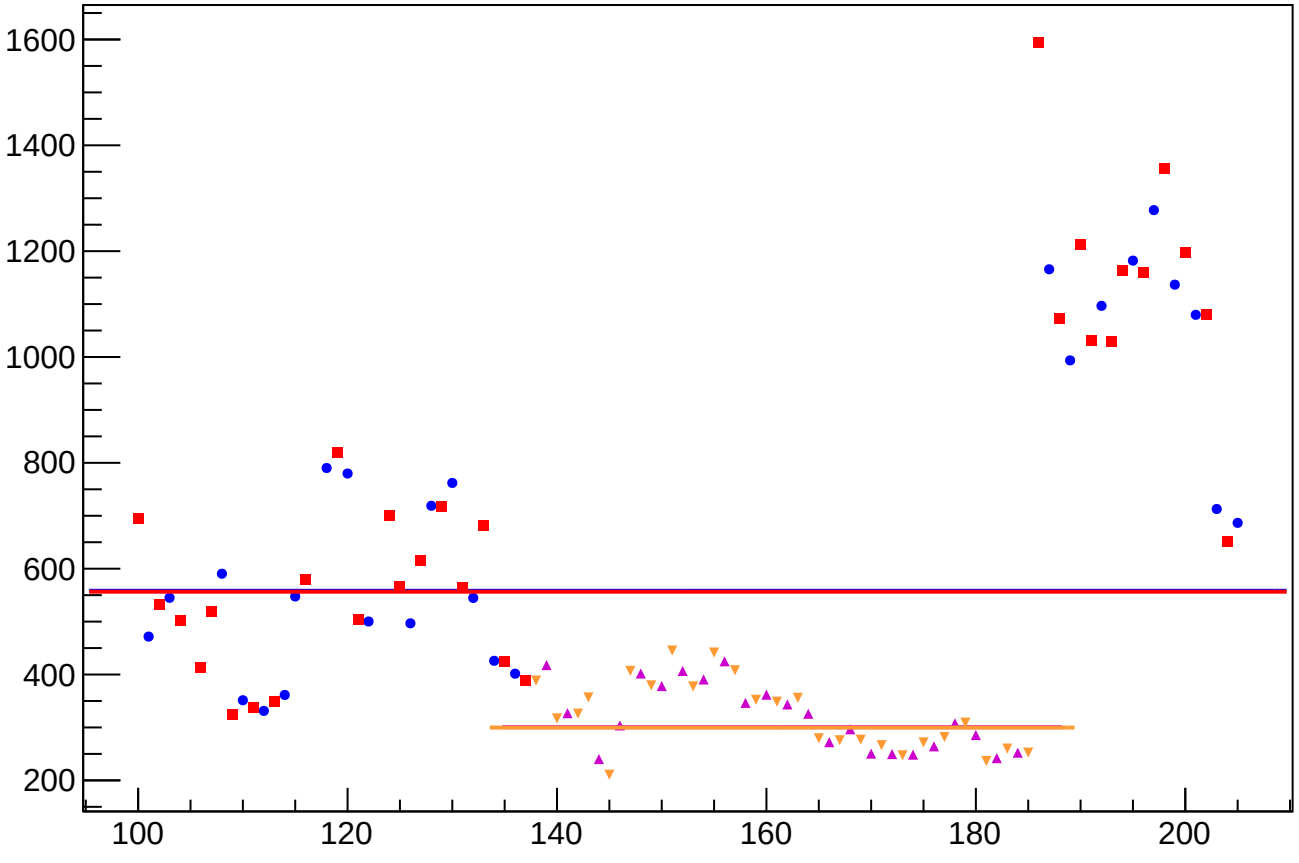
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 199.658+/-64.045 χ^2/NDF: 79.3/49

All: 132.018+/-45.705 χ^2/NDF: 145.2/102

- sign 61.821+/-65.245 χ^2/NDF: 63.7/52

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 558.193+/-0.115 χ^2/NDF: 4240720.8/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 556.544+/-0.111 χ^2/NDF: 5639778.5/29

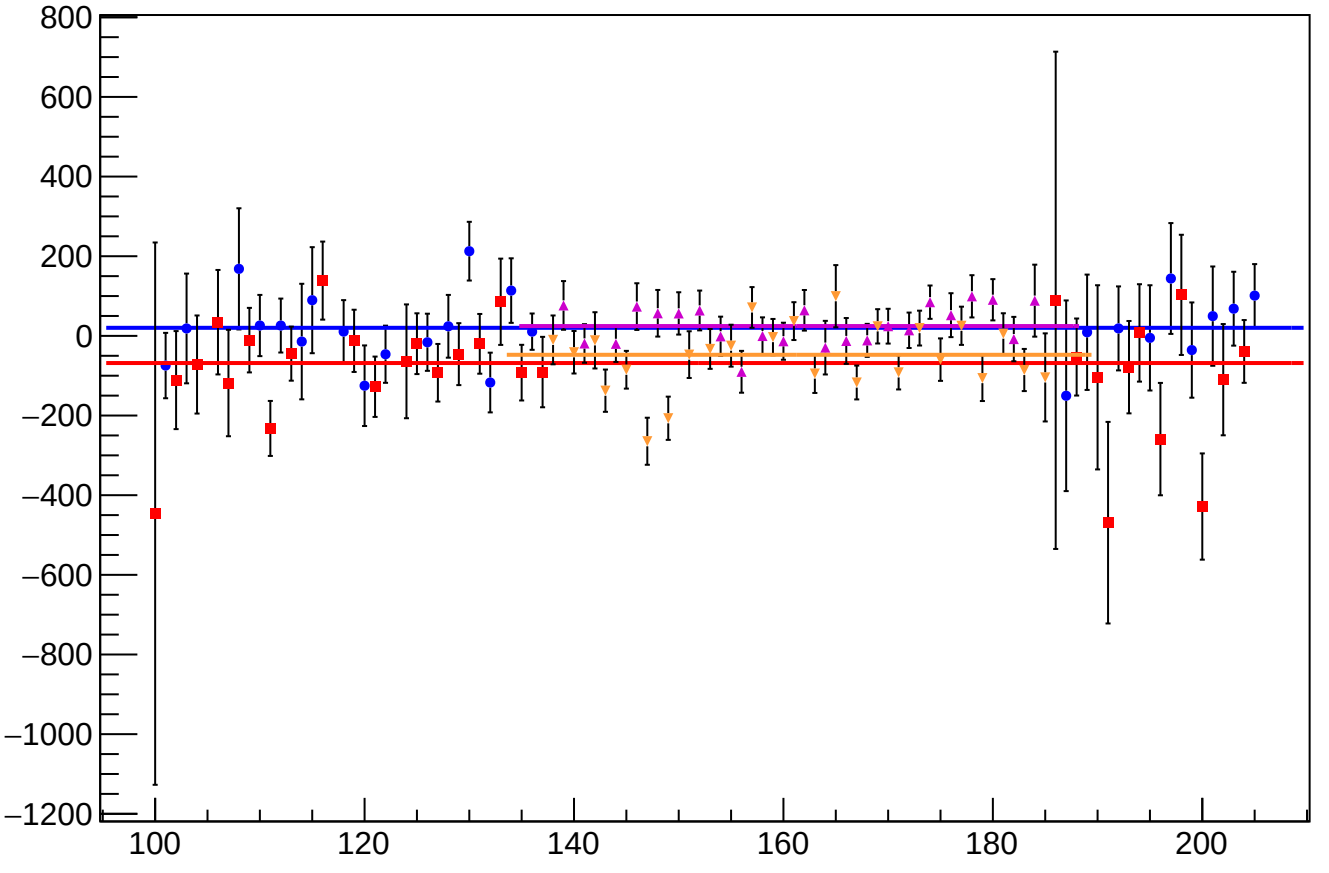
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 340.112+/-0.045 χ^2/NDF: 10104918.9/49

All: 342.333+/-0.032 χ^2/NDF: 21398850.6/10

- sign 344.638+/-0.046 χ^2/NDF: 11289029.7/52

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -68.172+/-17.989 χ^2/NDF: 29.9/29

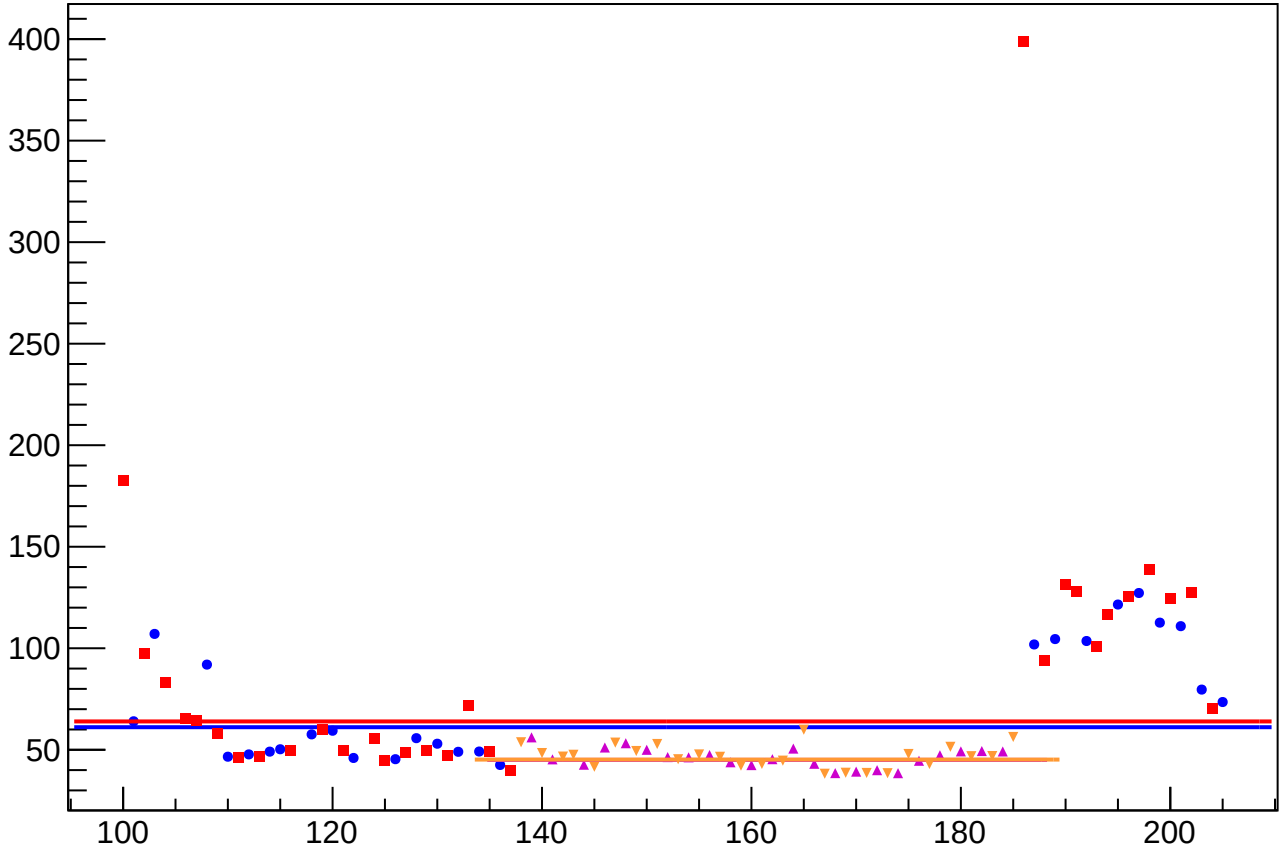
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -30.032+/-8.954 χ^2/NDF: 85.9/49

All: -15.104+/-6.407 χ^2/NDF: 161.0/102

- sign 0.554+/-9.171 χ^2/NDF: 69.3/52

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 61.123+/-0.012 χ^2/NDF: 3386290.4/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

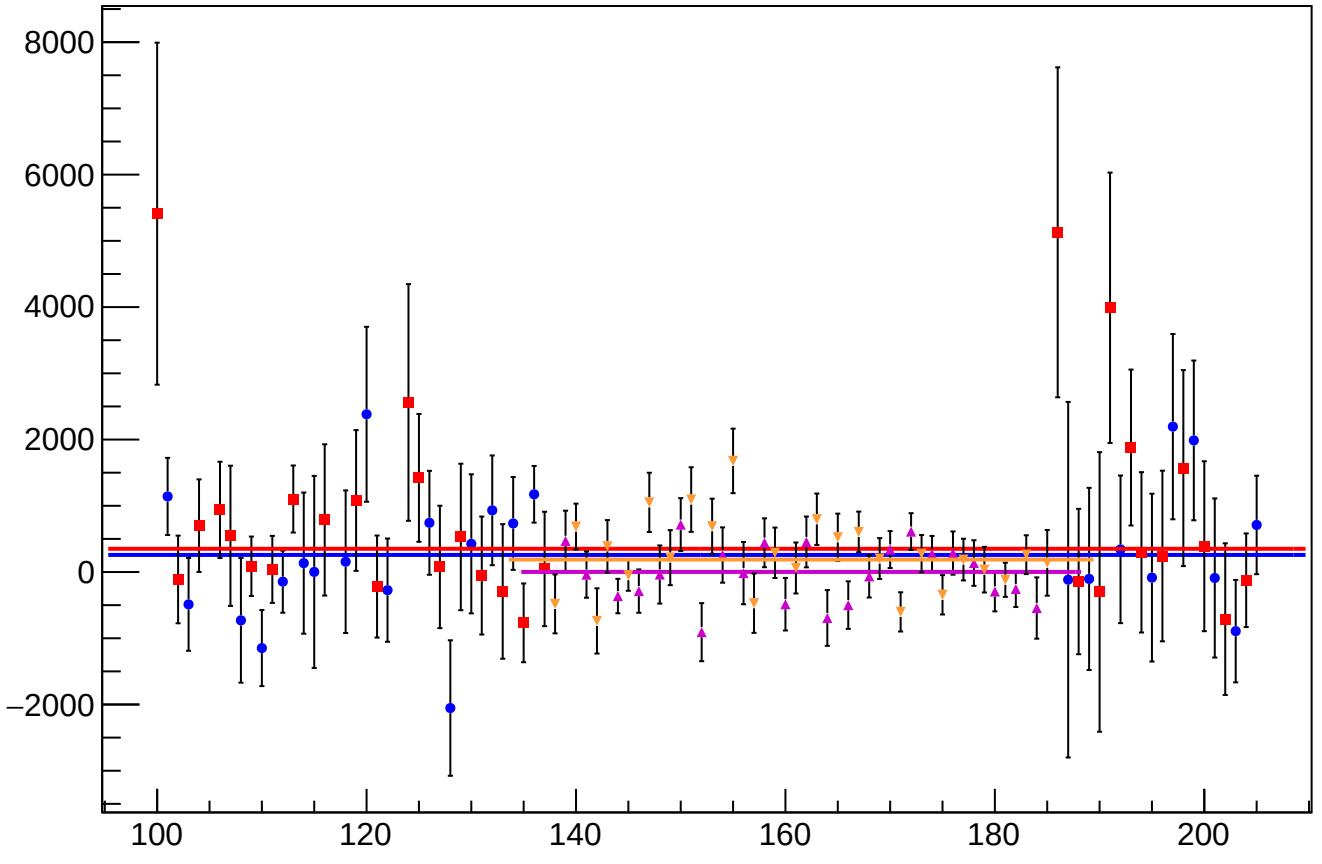
Right Out: 63.964+/-0.013 χ^2/NDF: 4646808.0/29

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 49.283+/-0.006 χ^2/NDF: 5089274.9/49

All: 49.604+/-0.005 χ^2/NDF: 11756069.0/102

- sign 49.941+/-0.006 χ^2/NDF: 6661509.3/52



Right In: 258.327+/-162.143 χ^2/NDF: 32.4/24

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 350.962+/-157.208 χ^2/NDF: 27.3/29

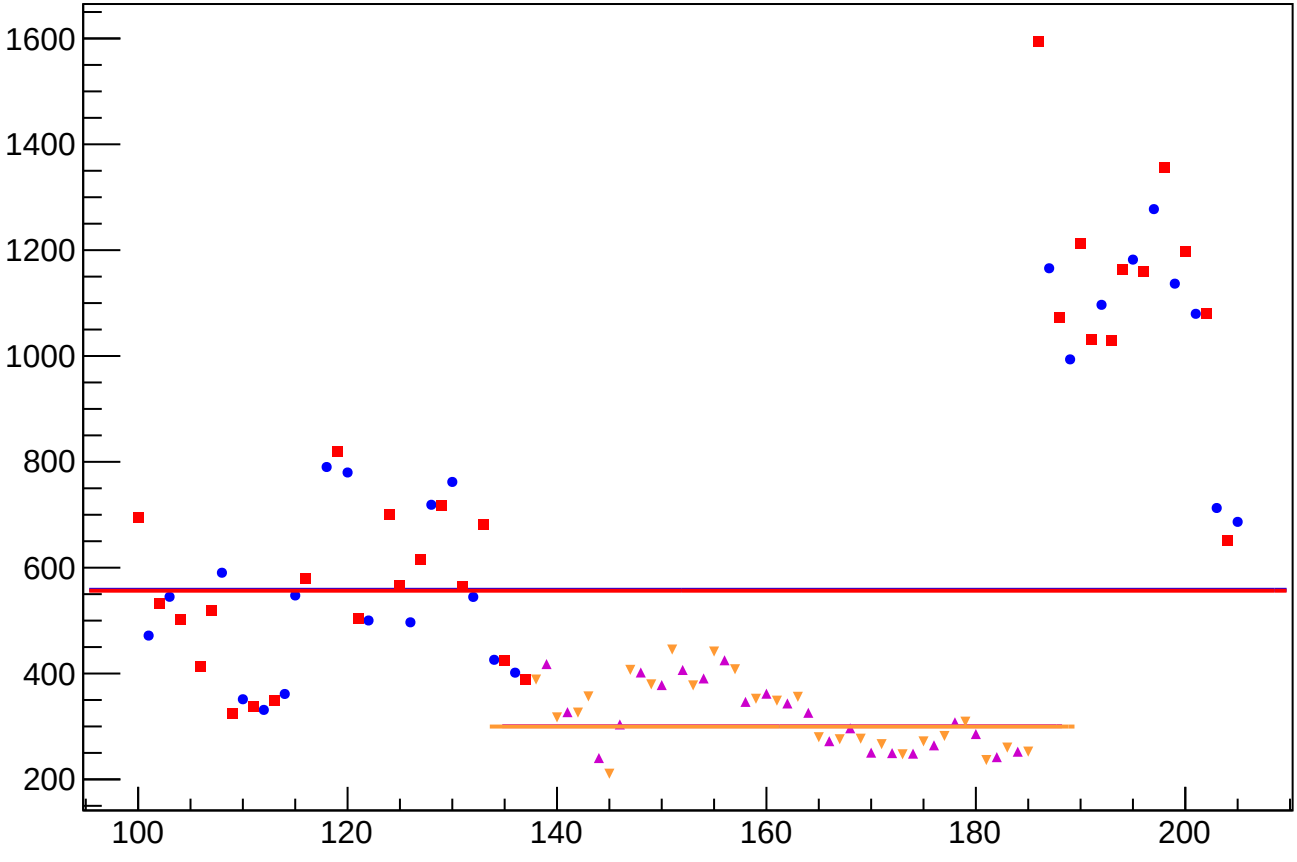
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 199.658+/-64.045 χ^2/NDF: 79.3/49

All: 132.018+/-45.705 χ^2/NDF: 145.2/102

- sign 61.820+/-65.245 χ^2/NDF: 63.7/52

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 558.192+/-0.115 χ^2/NDF: 4240732.3/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 556.543+/-0.111 χ^2/NDF: 5639785.6/29

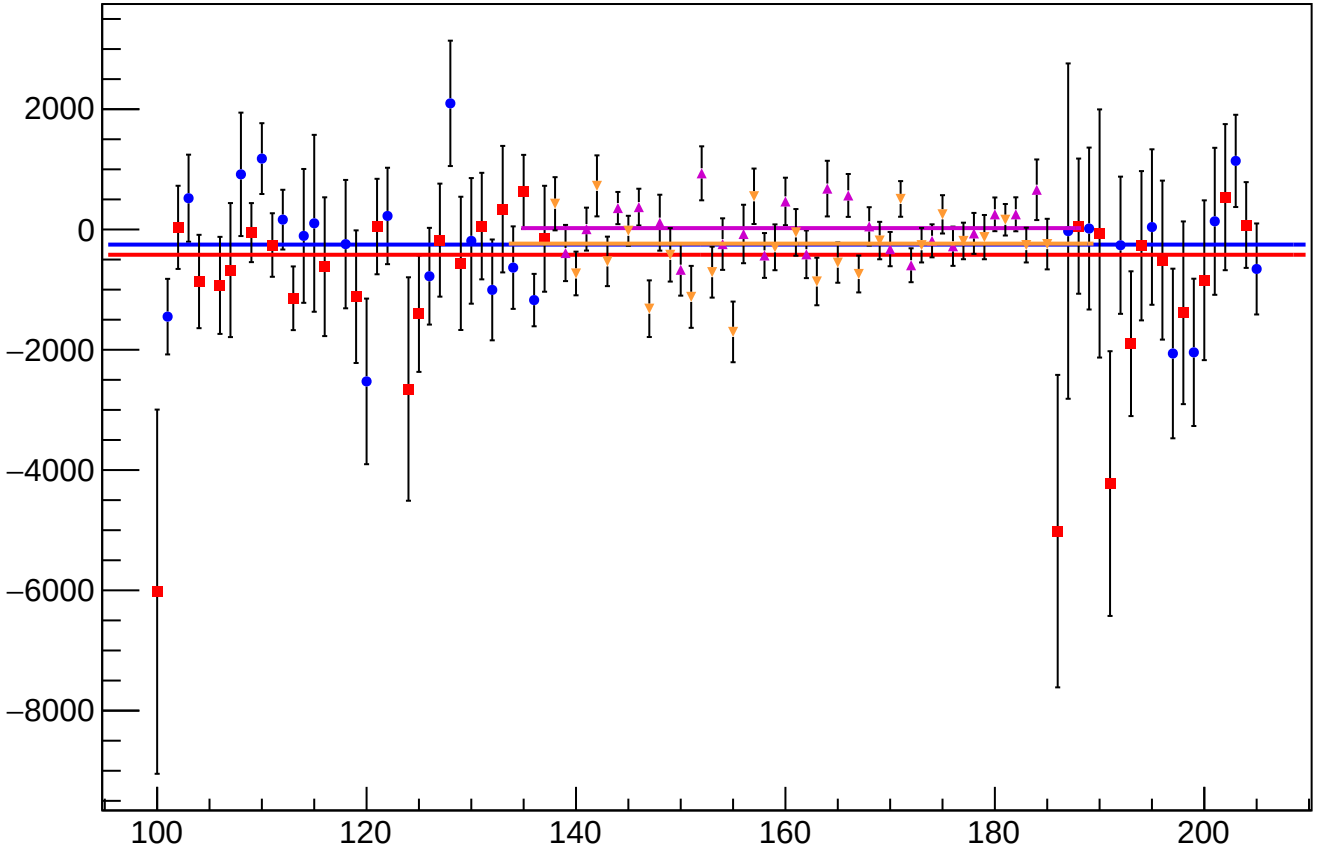
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 340.112+/-0.045 χ^2/NDF: 10104904.8/49

All: 342.333+/-0.032 χ^2/NDF: 21398803.7/10

- sign 344.639+/-0.046 χ^2/NDF: 11288996.4/52

asym_sam_15_37_dd_mean vs Slug



Right In: -251.343+/-166.445 χ^2/NDF: 34.5/24

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -420.274+/-164.382 χ^2/NDF: 23.7/29

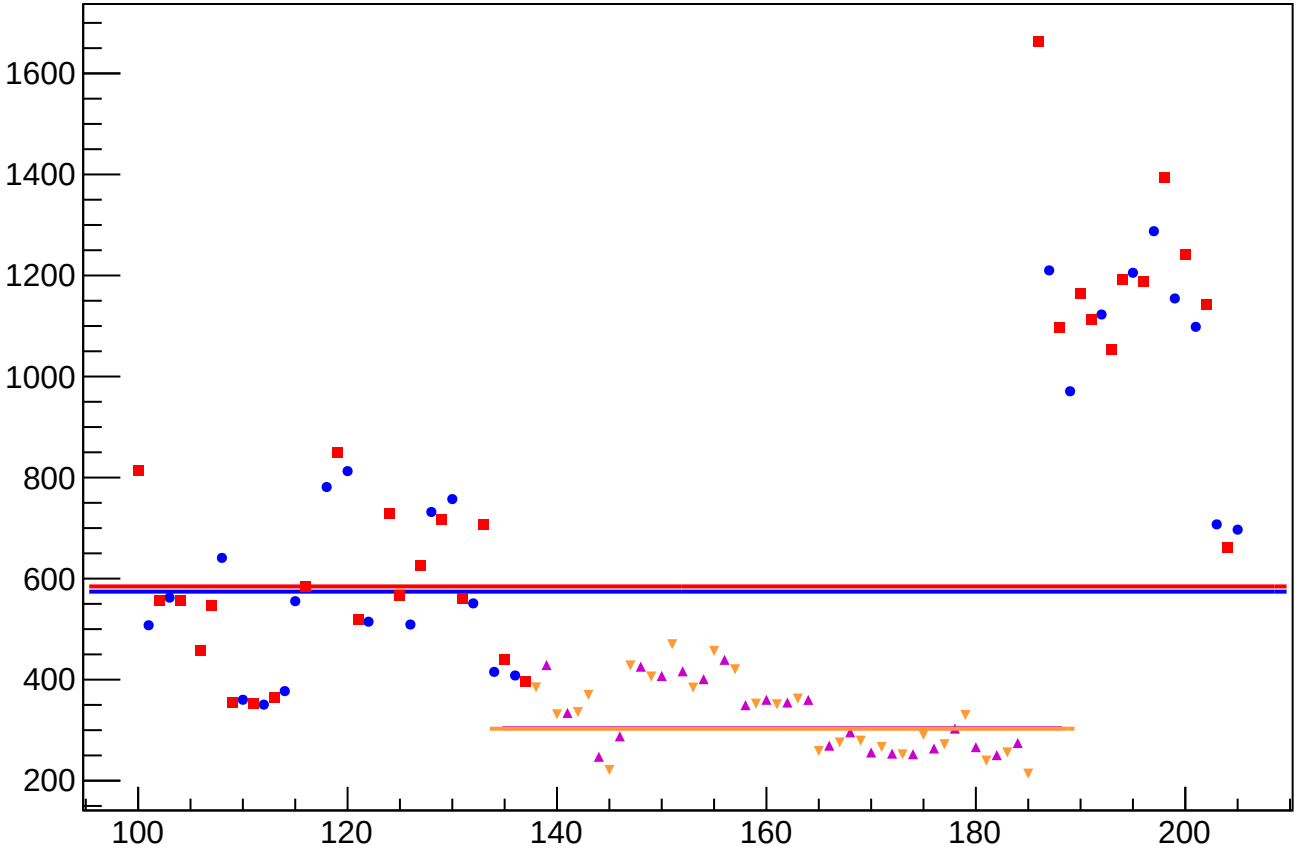
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.643+/-65.105 χ^2/NDF: 82.0/49

All: -145.586+/-46.502 χ^2/NDF: 145.7/102

- sign -49.704+/-66.444 χ^2/NDF: 59.7/52

asym_sam_15_37_dd_rms vs Slug



Right In: 574.216+/-0.118 χ^2/NDF: 4089427.1/24

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

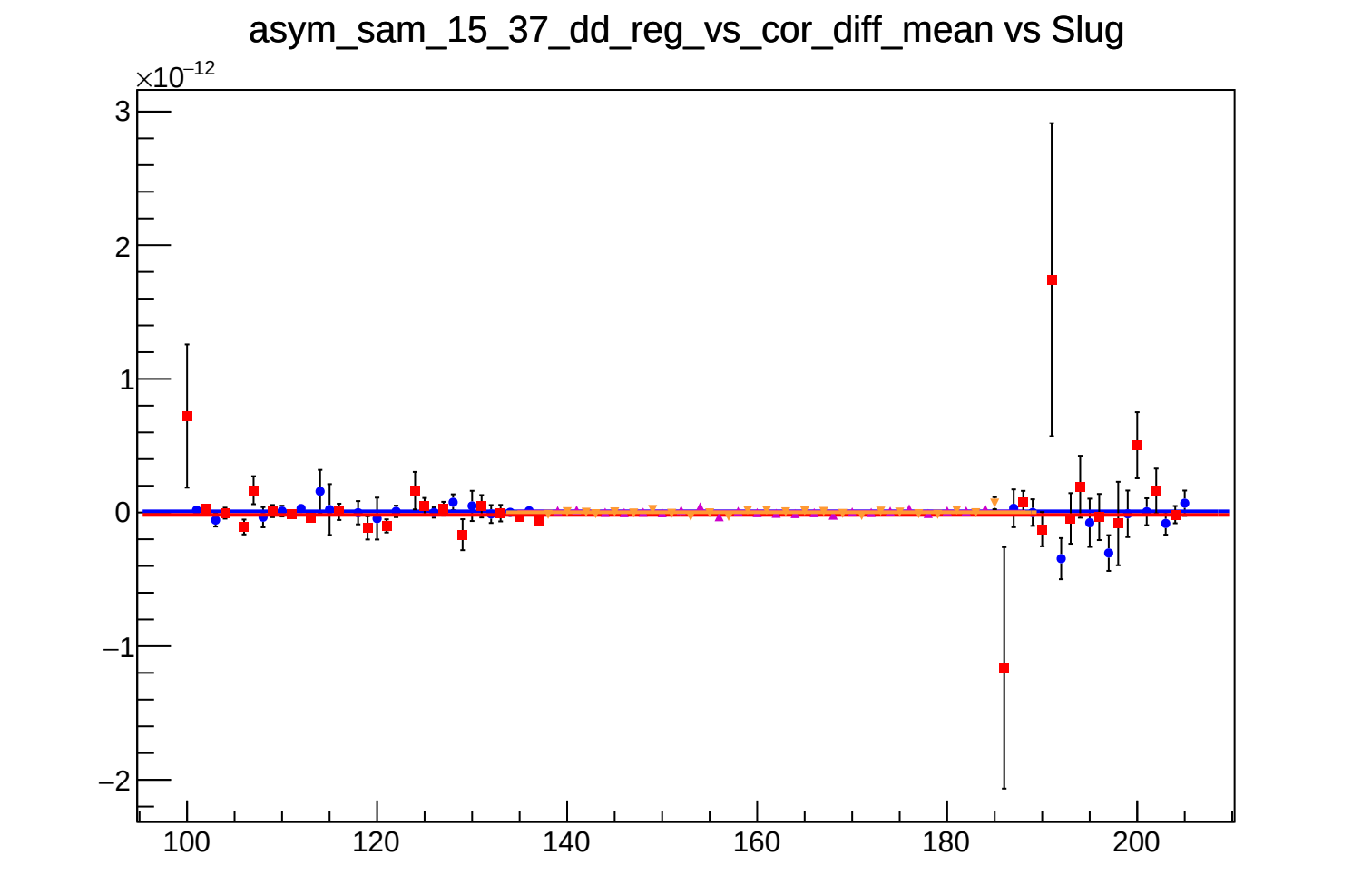
Right Out: 584.558+/-0.116 χ^2/NDF: 5380214.1/29

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 344.448+/-0.046 χ^2/NDF: 10355210.0/49

All: 347.056+/-0.033 χ^2/NDF: 21995041.1/10

- sign 349.773+/-0.047 χ^2/NDF: 11633277.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

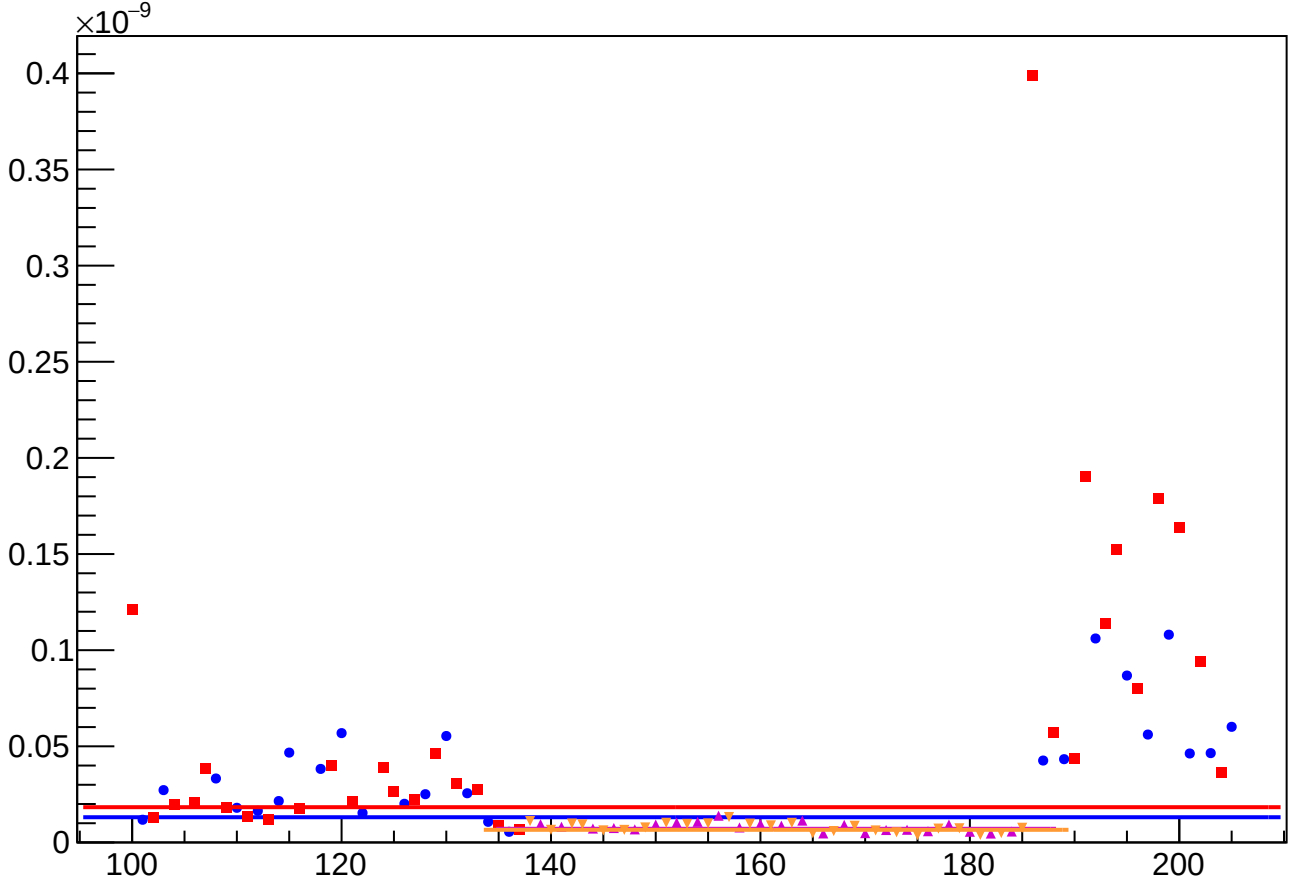
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/29

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/49

All: 0.000+/-0.000 χ^2/NDF: 101.6/102

- sign 0.000+/-0.000 χ^2/NDF: 59.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 5380704.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

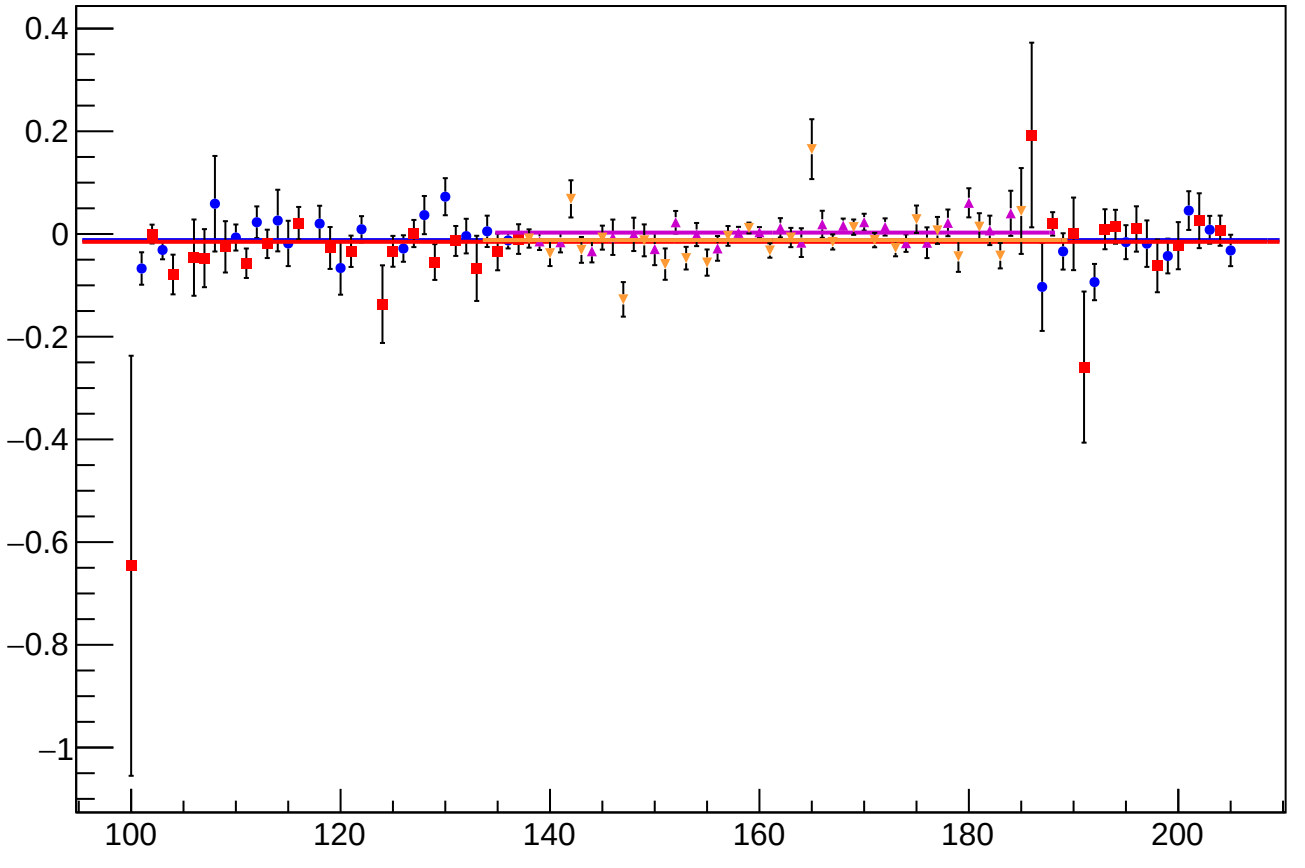
Right Out: 0.000+/-0.000 χ^2/NDF: 5450405.7/29

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8114433.5/49

All: 0.000+/-0.000 χ^2/NDF: 16977707.4/102

- sign 0.000+/-0.000 χ^2/NDF: 8790693.8/52



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

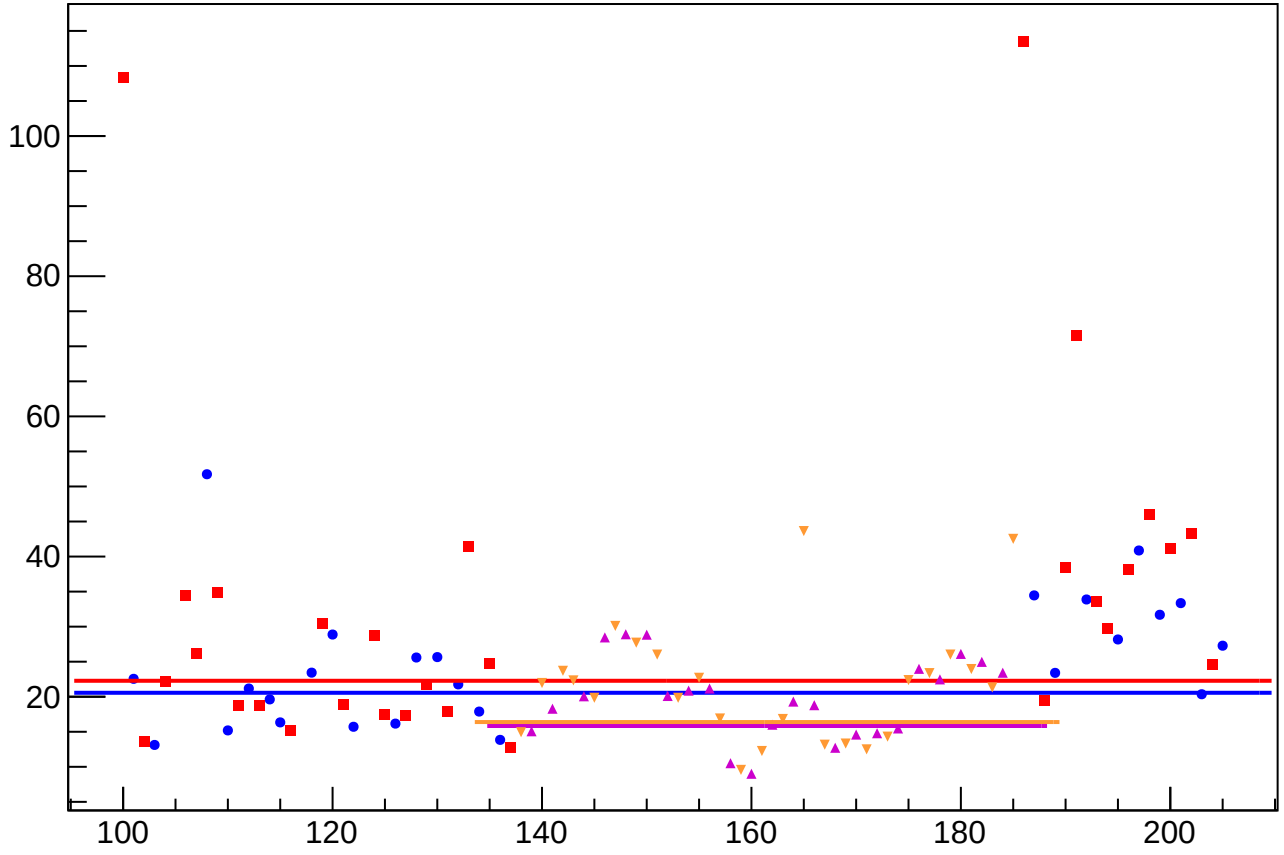
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/102

- sign -0.002+/-0.003 χ^2/NDF: 51.0/52

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

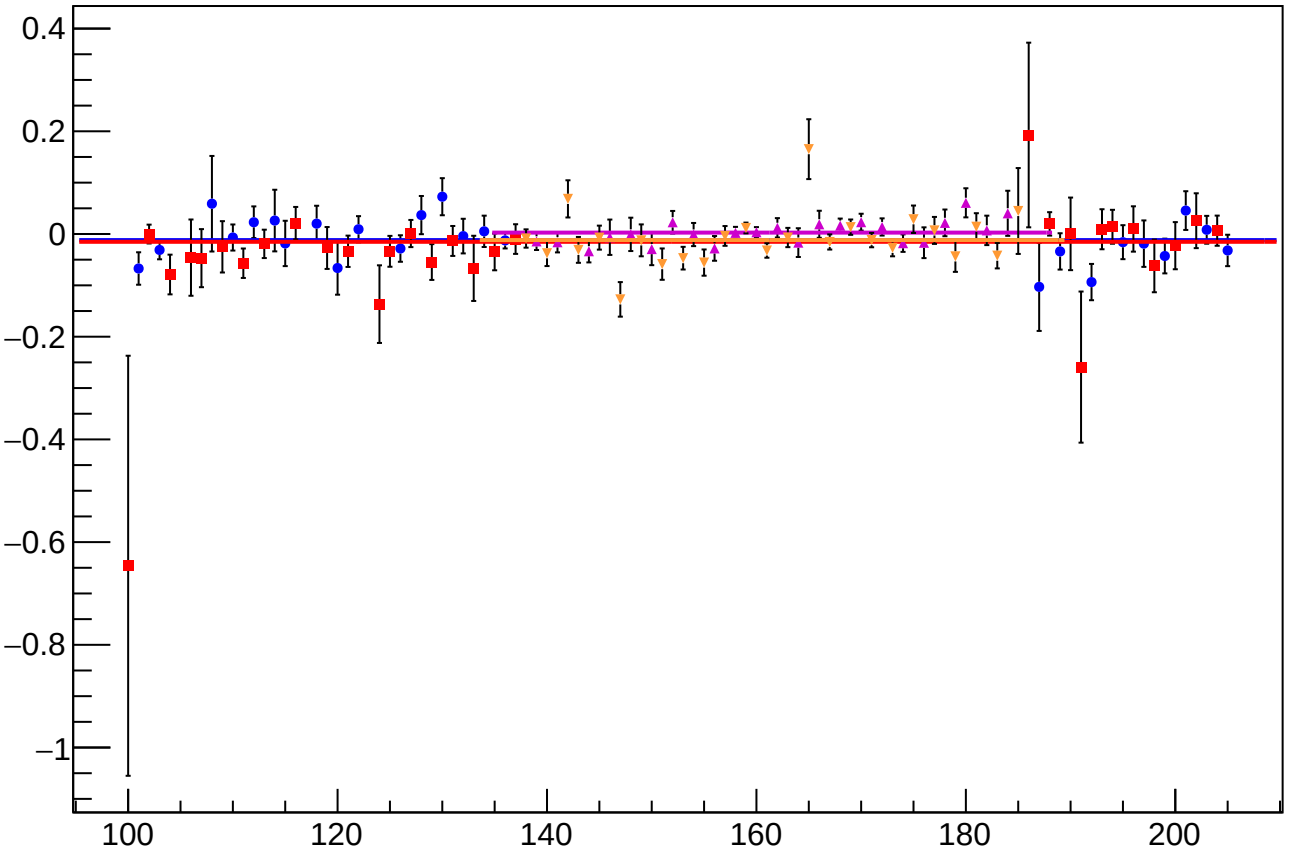
Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407106.8/49

All: 17.631+/-0.002 χ^2/NDF: 16551317.8/102

- sign 17.603+/-0.002 χ^2/NDF: 9143959.4/52



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

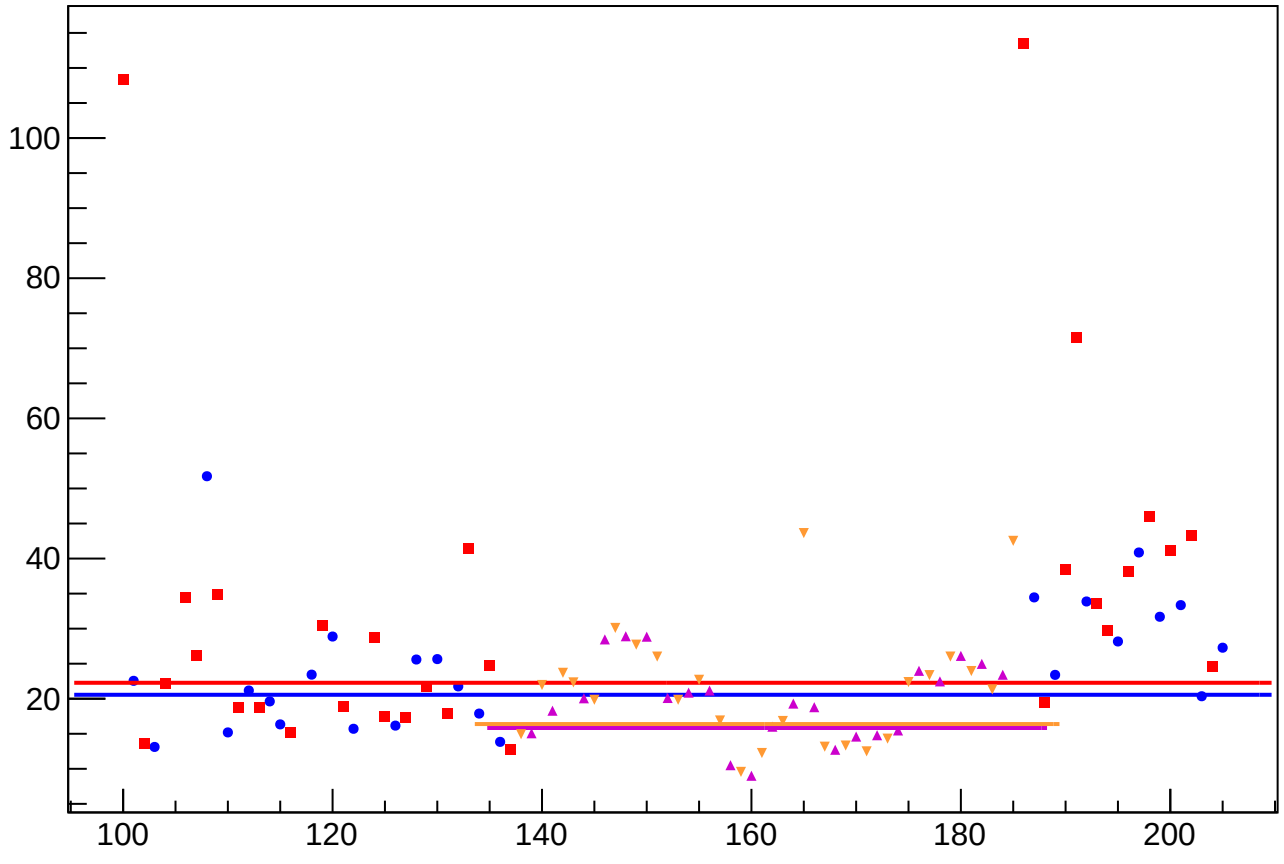
Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/102

- sign -0.002+/-0.003 χ^2/NDF: 51.0/52



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

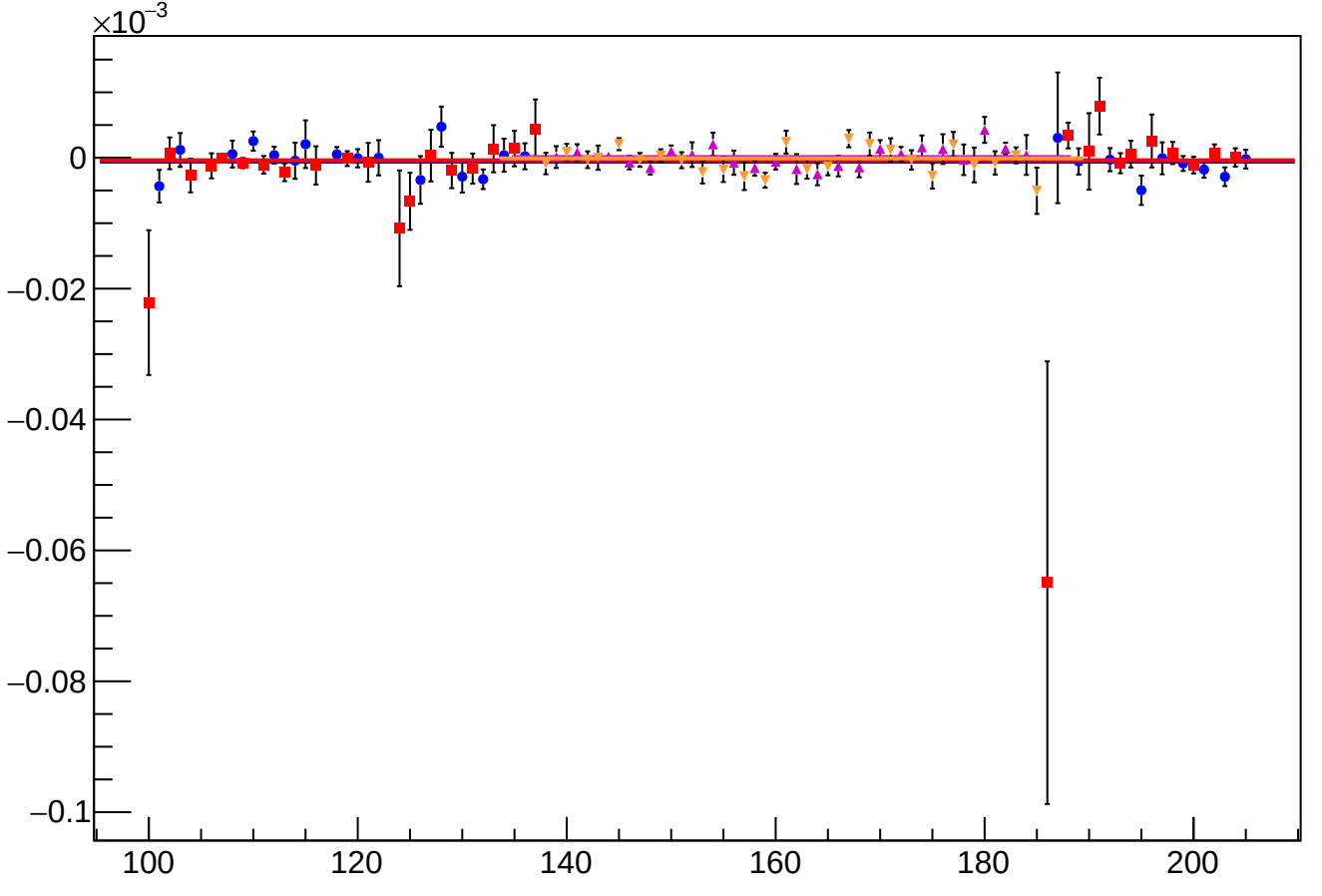
Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407106.8/49

All: 17.631+/-0.002 χ^2/NDF: 16551317.8/102

- sign 17.603+/-0.002 χ^2/NDF: 9143959.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/29

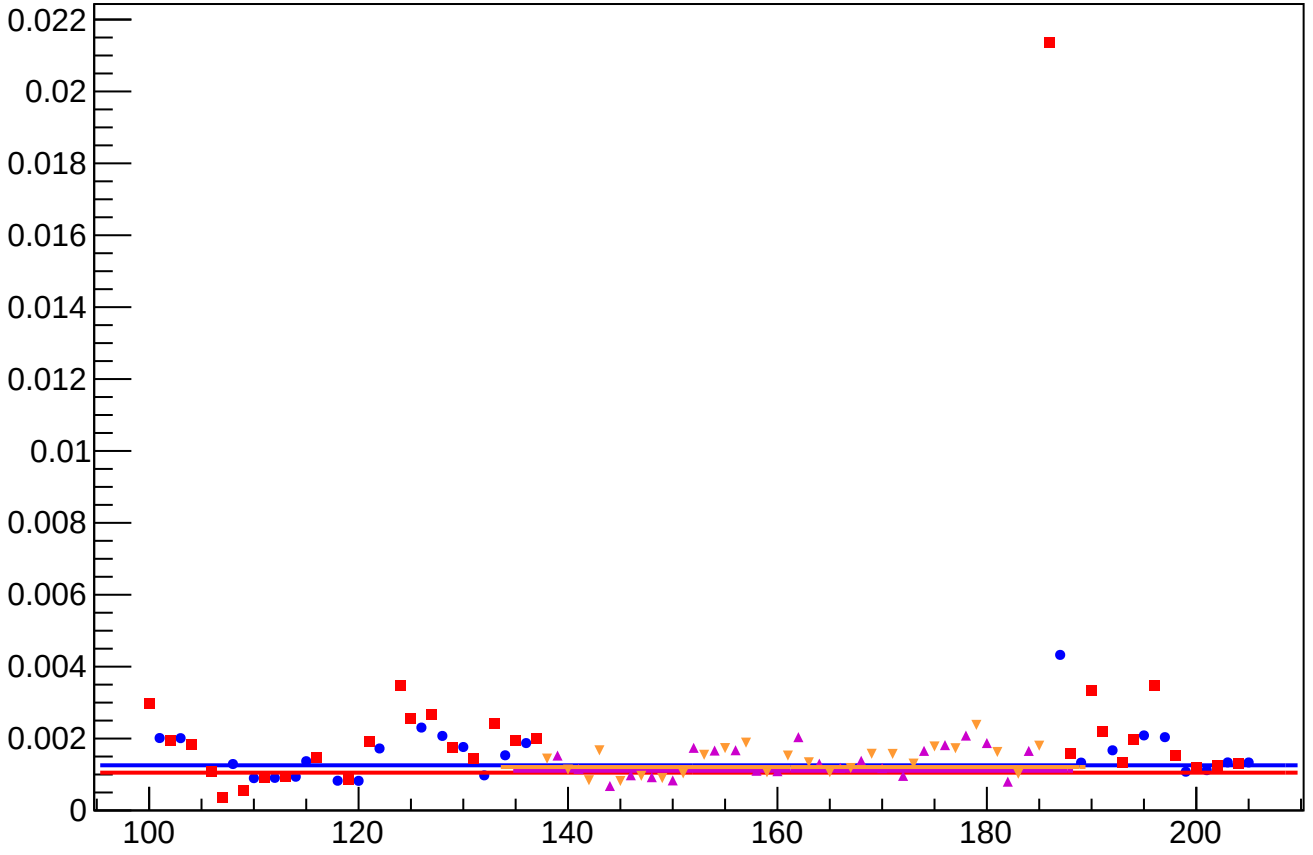
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/49

All: -0.000+/-0.000 χ^2/NDF: 113.7/102

- sign -0.000+/-0.000 χ^2/NDF: 50.3/52

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2746350.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

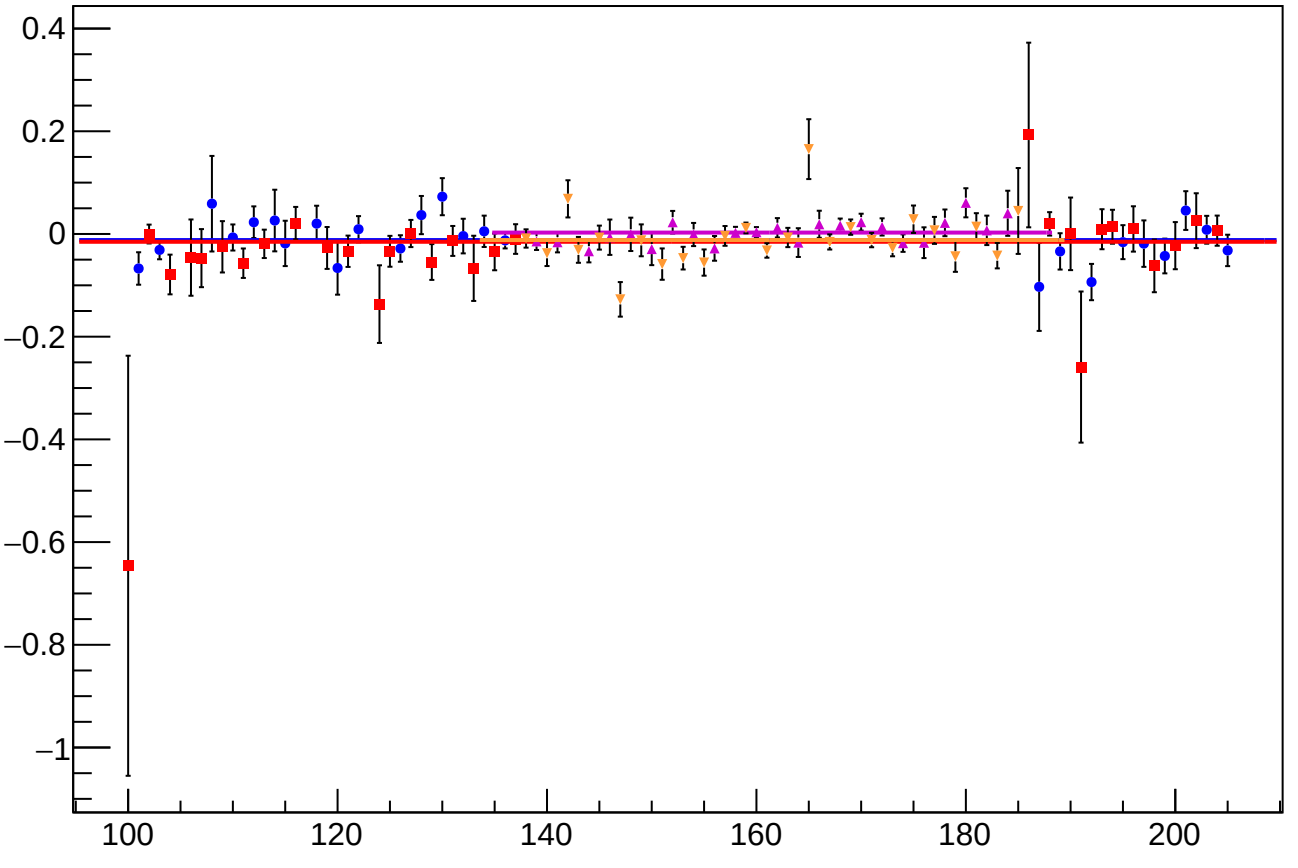
Right Out: 0.001+/-0.000 χ^2/NDF: 7675223.4/29

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5489304.0/49

All: 0.001+/-0.000 χ^2/NDF: 17144161.9/102

- sign 0.001+/-0.000 χ^2/NDF: 11202054.1/52



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

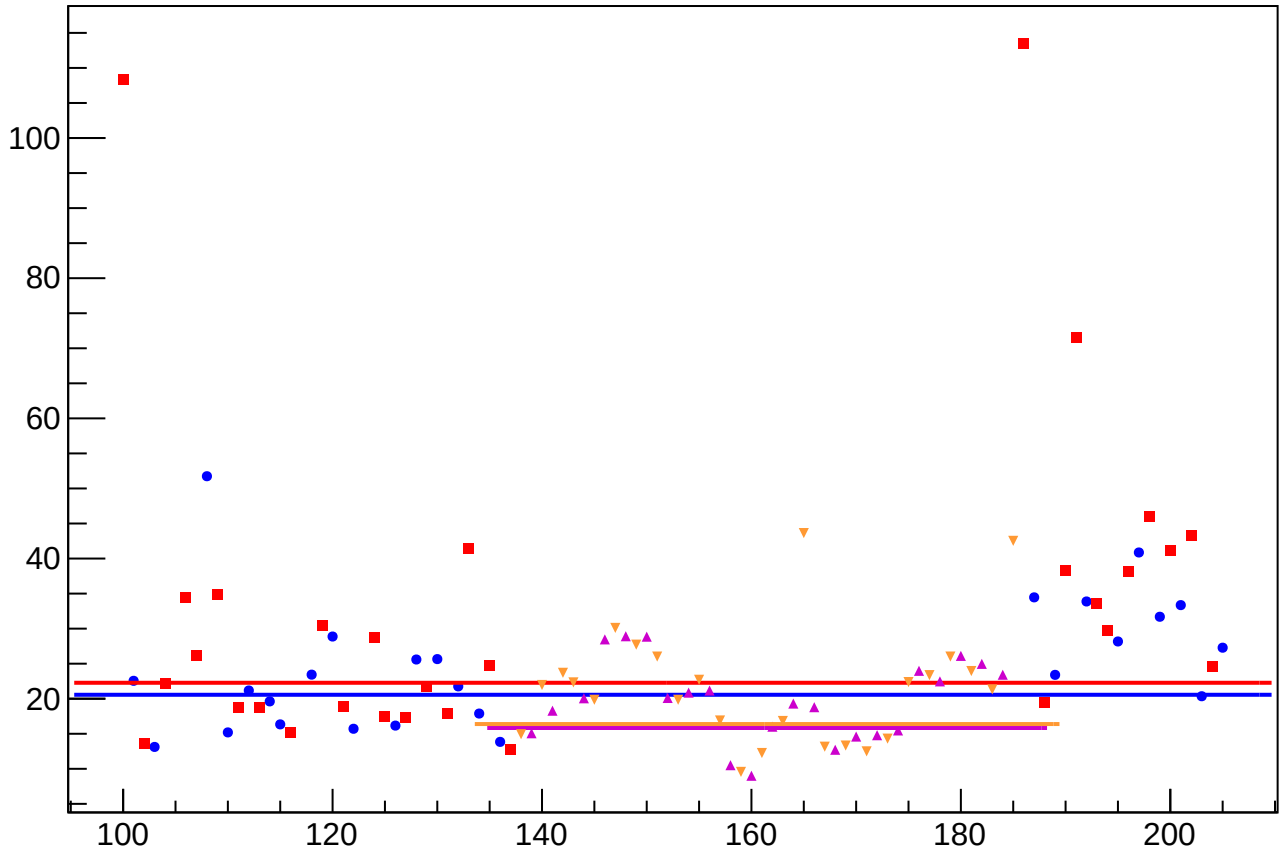
Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/102

- sign -0.002+/-0.003 χ^2/NDF: 50.9/52



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

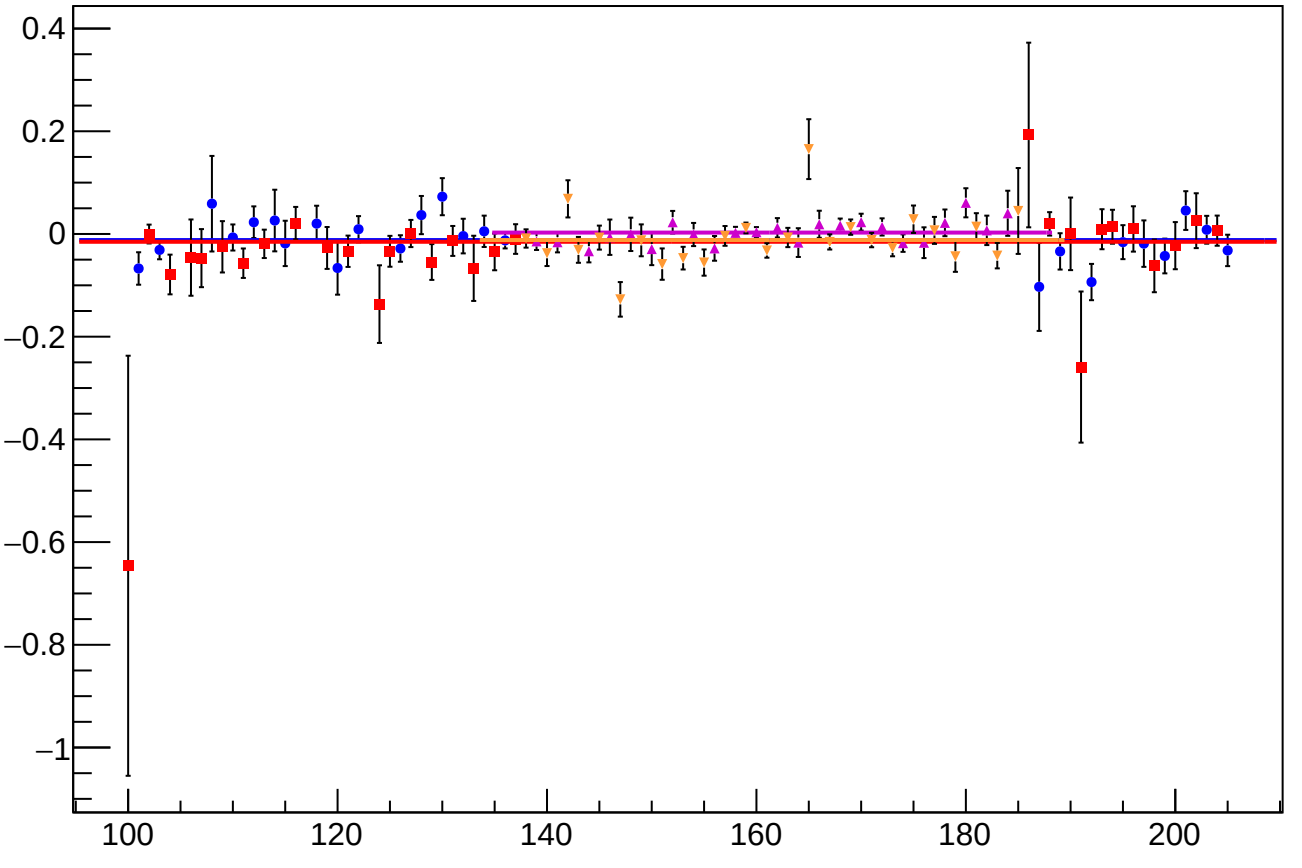
Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407441.2/49

All: 17.631+/-0.002 χ^2/NDF: 16552050.4/102

- sign 17.603+/-0.002 χ^2/NDF: 9144357.8/52



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

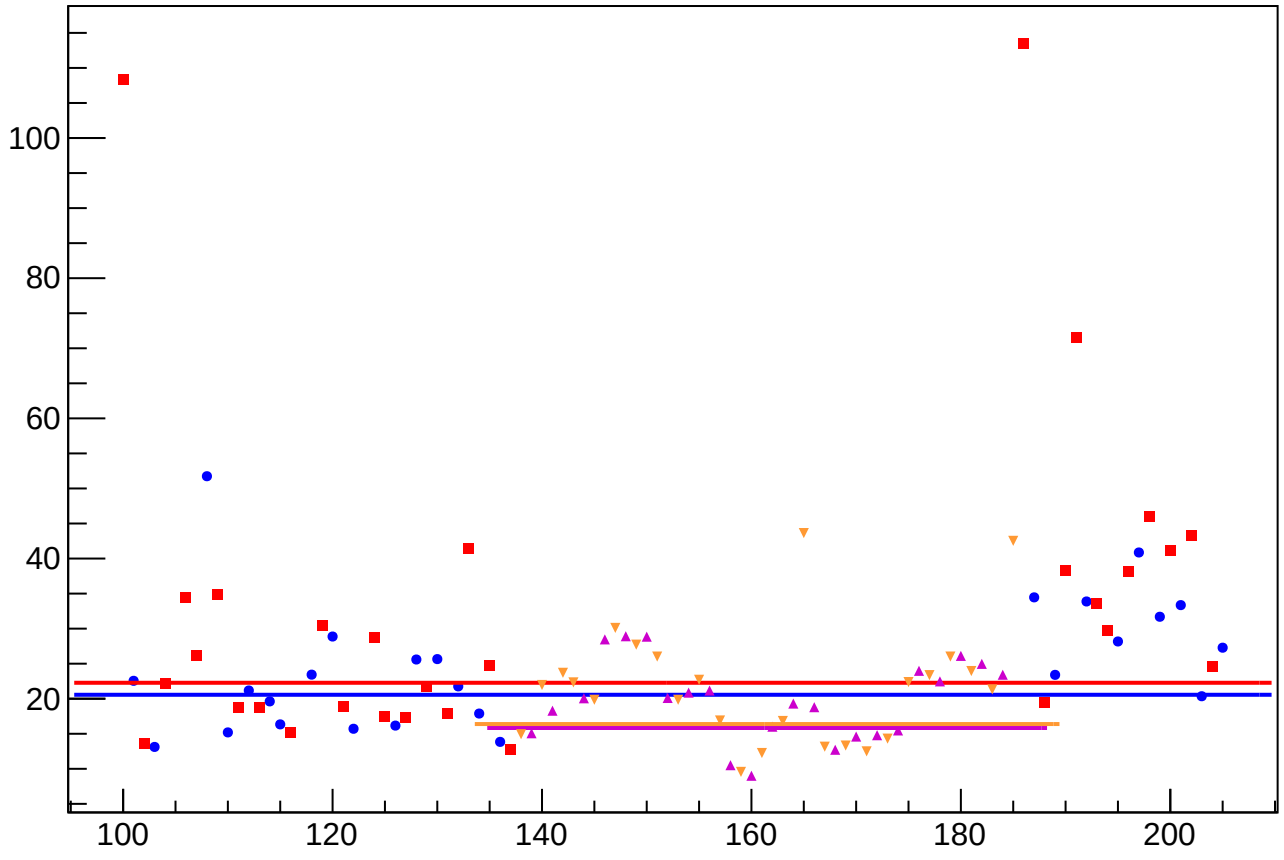
Right Out: -0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/102

- sign -0.002+/-0.003 χ^2/NDF: 50.9/52



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

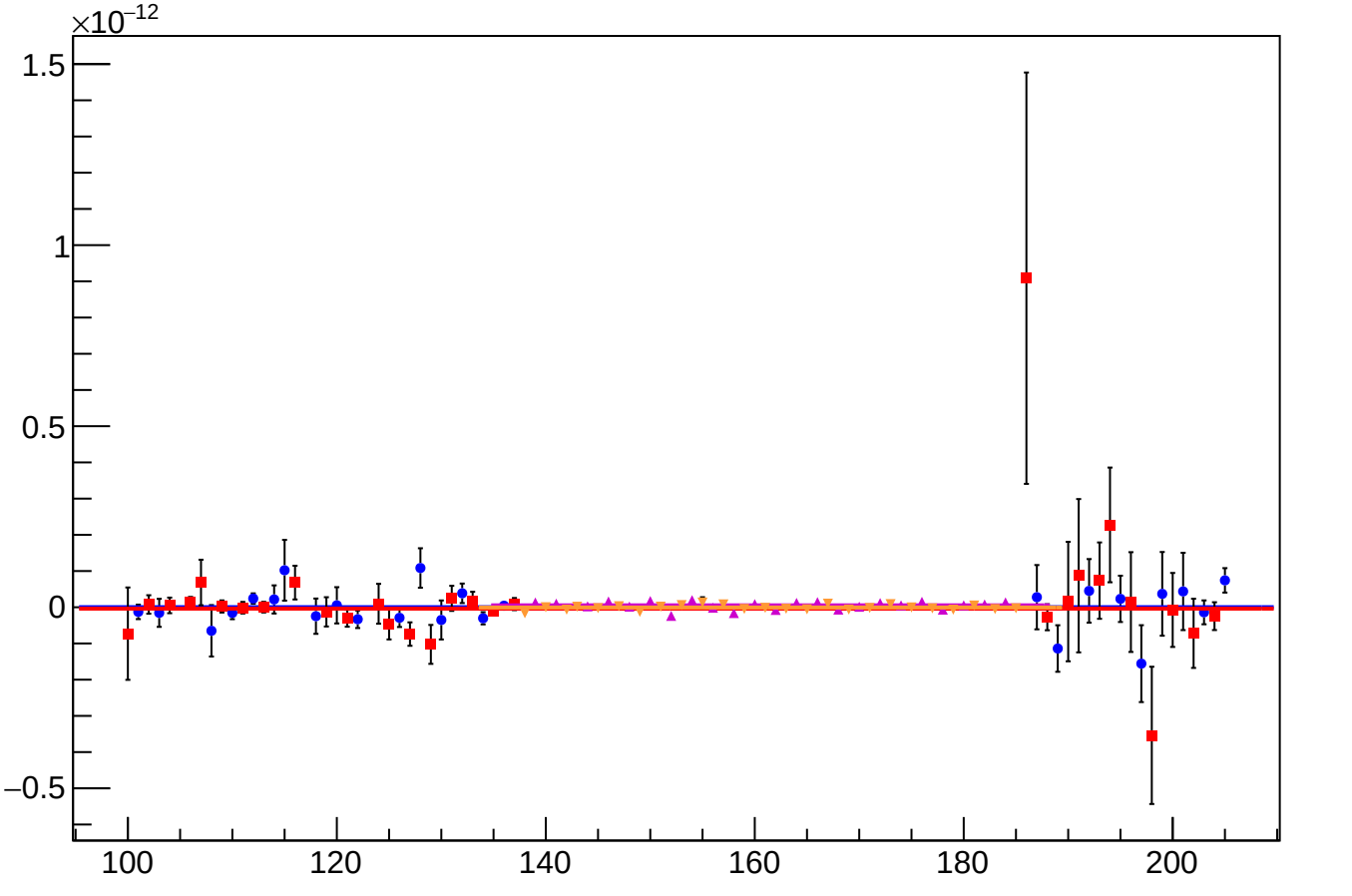
Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407441.2/49

All: 17.631+/-0.002 χ^2/NDF: 16552050.4/102

- sign 17.603+/-0.002 χ^2/NDF: 9144357.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

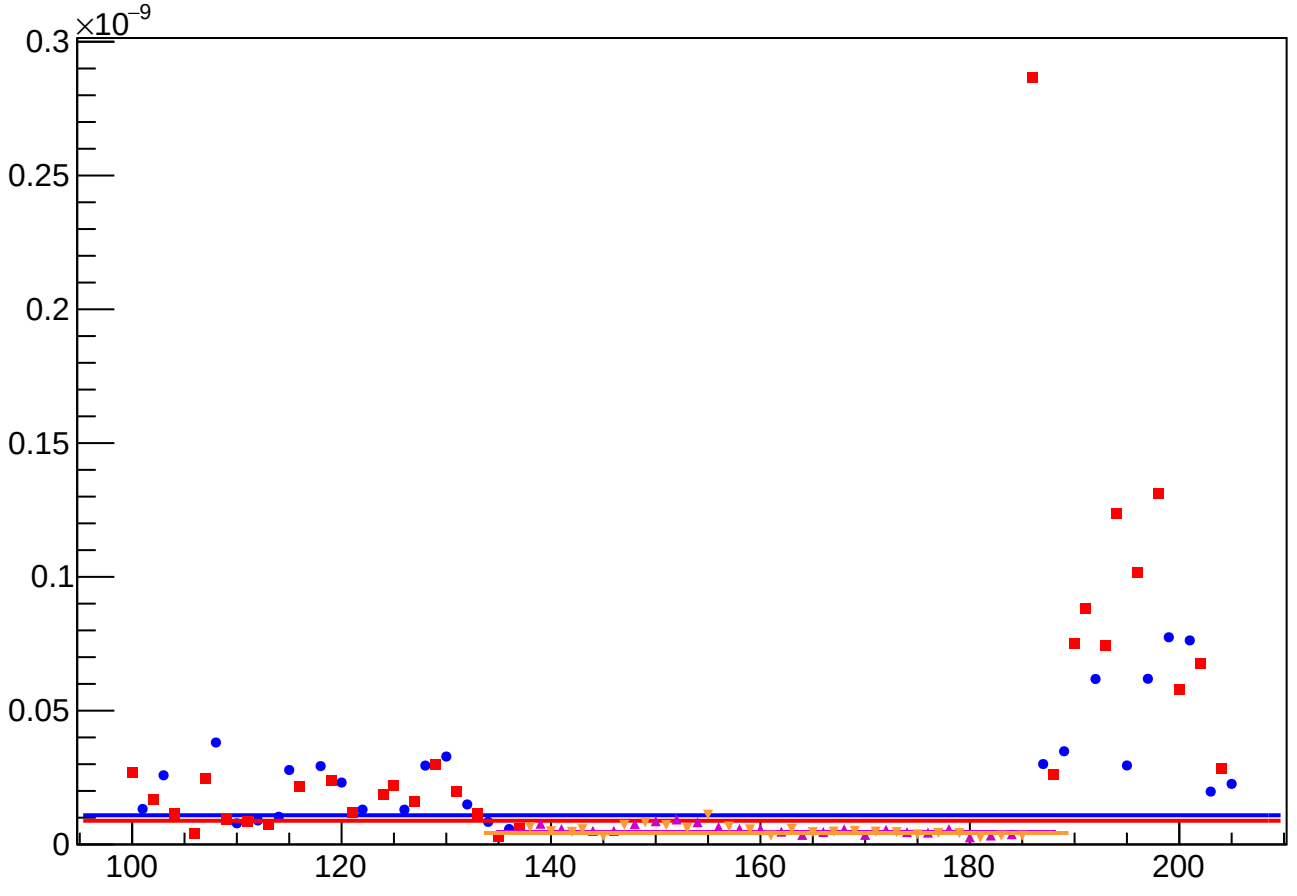
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/29

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

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/49

All: 0.000+/-0.000 χ^2/NDF: 129.6/102

- sign 0.000+/-0.000 χ^2/NDF: 71.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6248951.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10076116.0/29

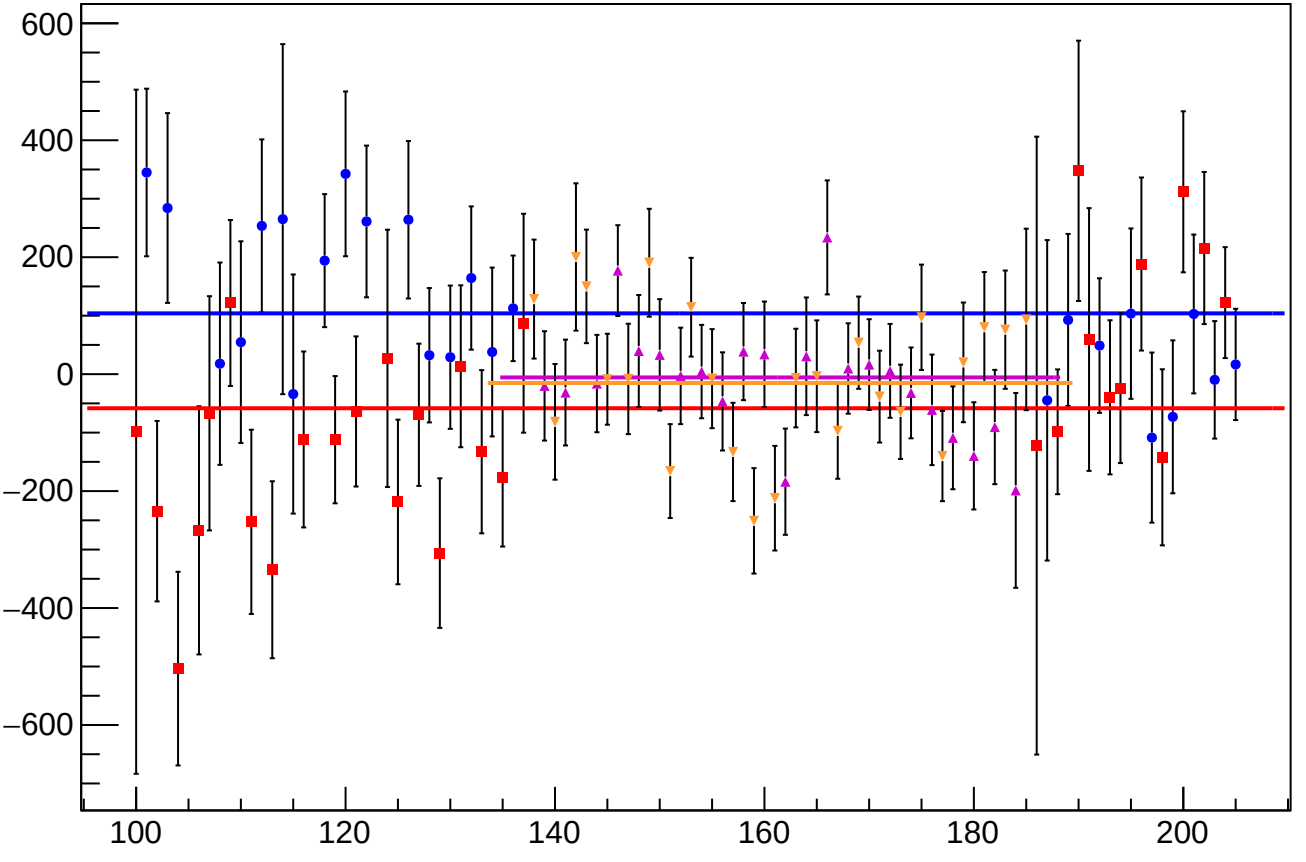
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12263645.7/49

All: 0.000+/-0.000 χ^2/NDF: 26579047.4/102

- sign 0.000+/-0.000 χ^2/NDF: 14246680.1/52

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 103.945+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -58.335+/-26.566 χ^2/NDF: 45.9/29

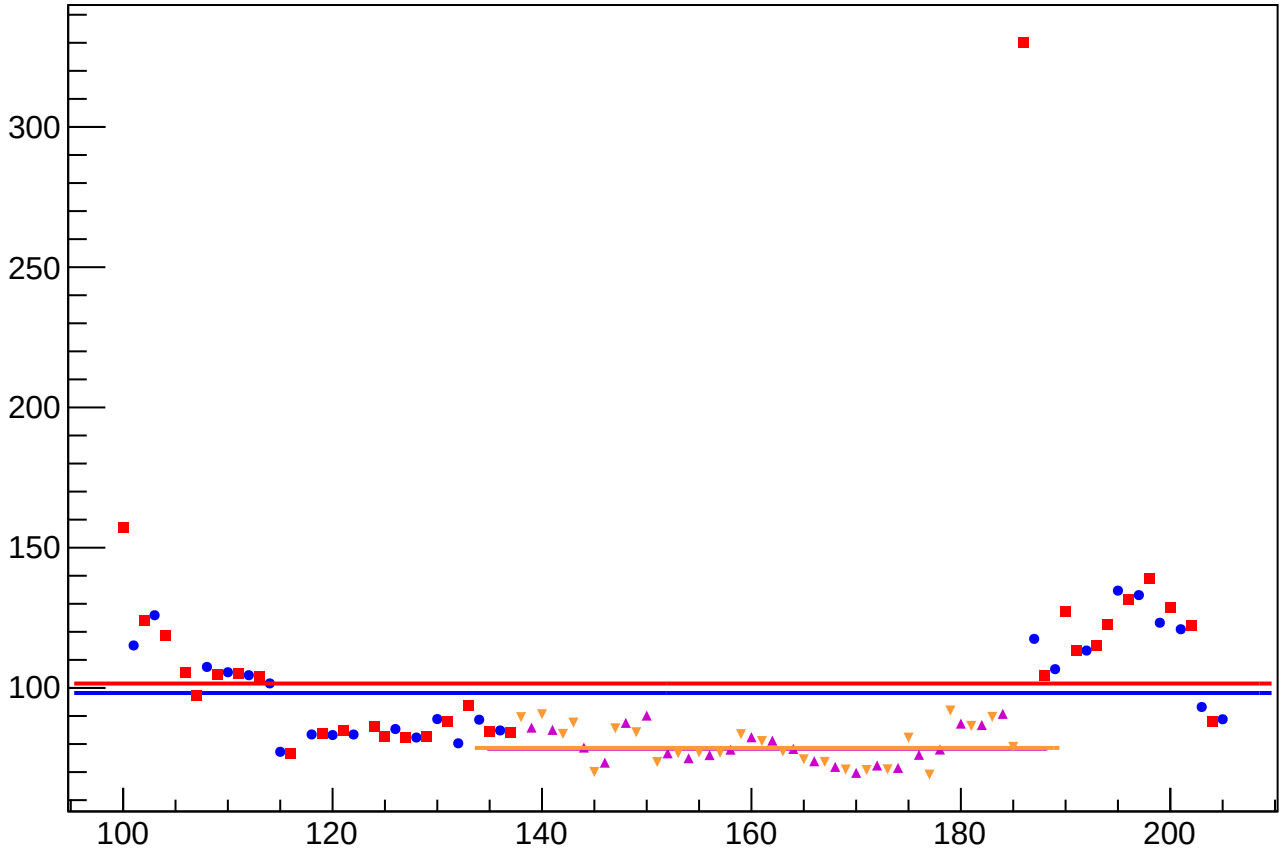
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.072+/-14.892 χ^2/NDF: 75.7/49

All: 0.024+/-10.608 χ^2/NDF: 151.8/102

- sign -22.693+/-15.116 χ^2/NDF: 71.6/52

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 98.193+/-0.019 χ^2/NDF: 811763.5/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.569+/-0.019 χ^2/NDF: 1310303.1/29

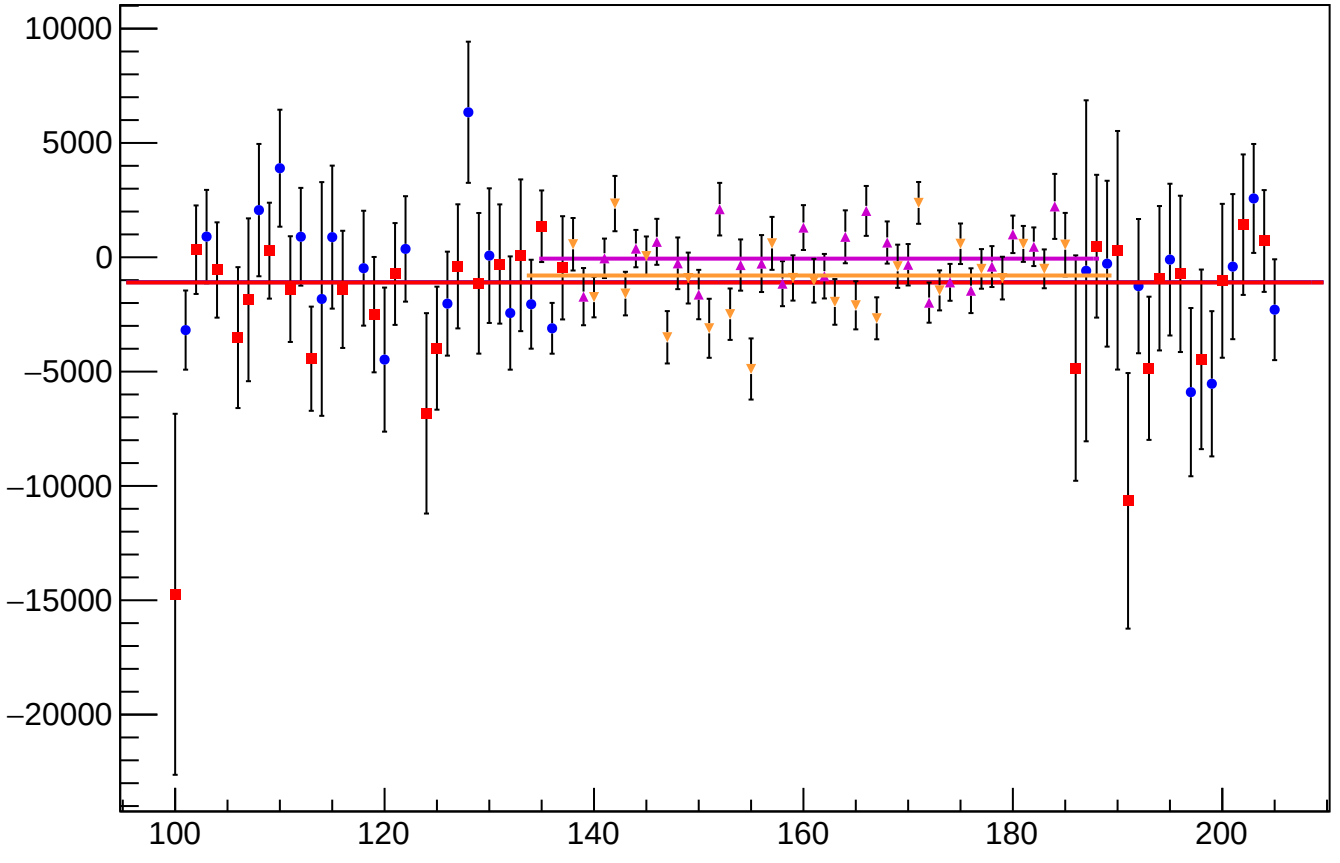
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.731+/-0.011 χ^2/NDF: 1861120.4/49

All: 85.285+/-0.008 χ^2/NDF: 4420755.6/102

- sign 85.857+/-0.011 χ^2/NDF: 2554002.2/52

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1091.975+/-484.593 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1101.691+/-496.861 χ^2/NDF: 20.2/29

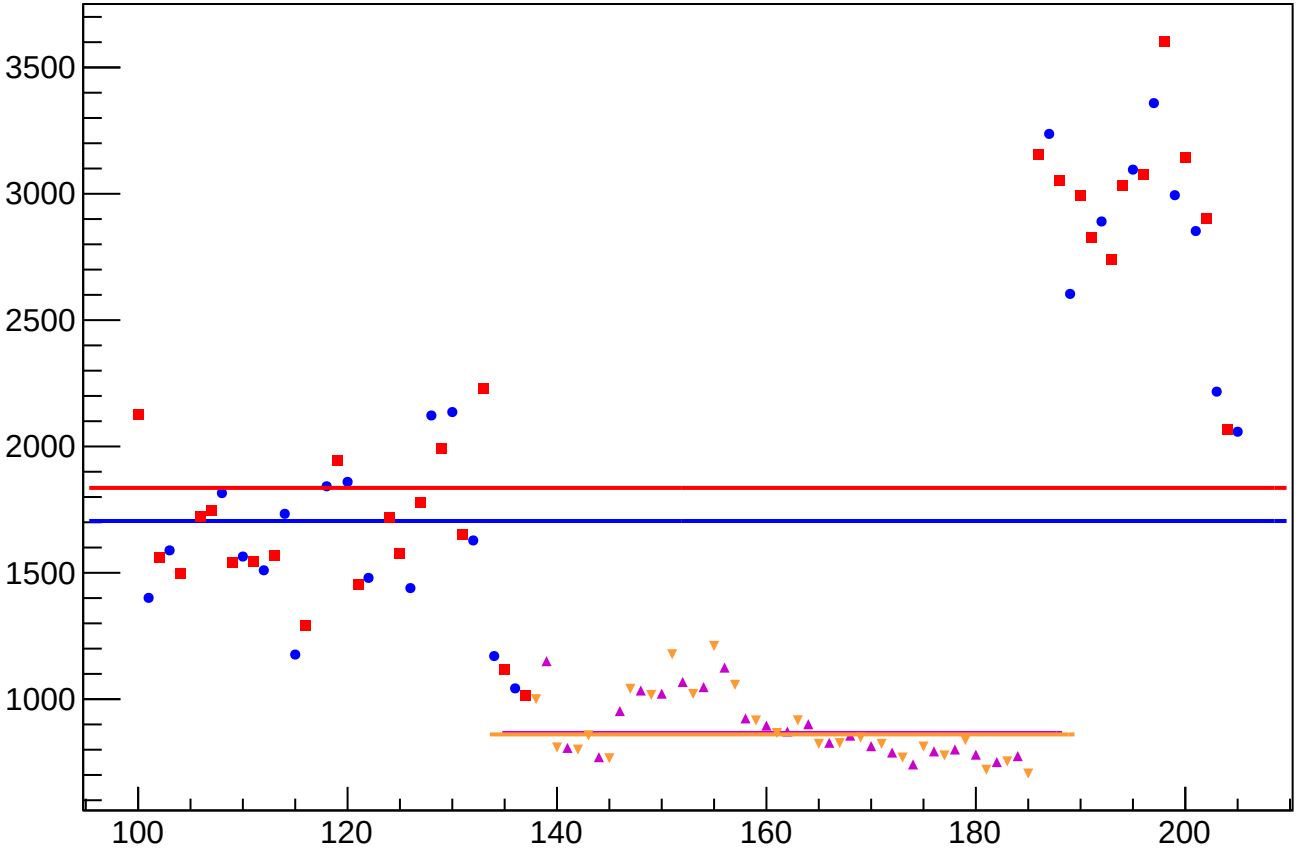
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -839.158+/-183.198 χ^2/NDF: 86.6/49

All: -534.669+/-131.564 χ^2/NDF: 146.7/102

- sign -210.389+/-189.059 χ^2/NDF: 54.5/52

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1705.118+/-0.343 χ^2/NDF: 3175045.0/24

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1836.088+/-0.351 χ^2/NDF: 3398130.1/29

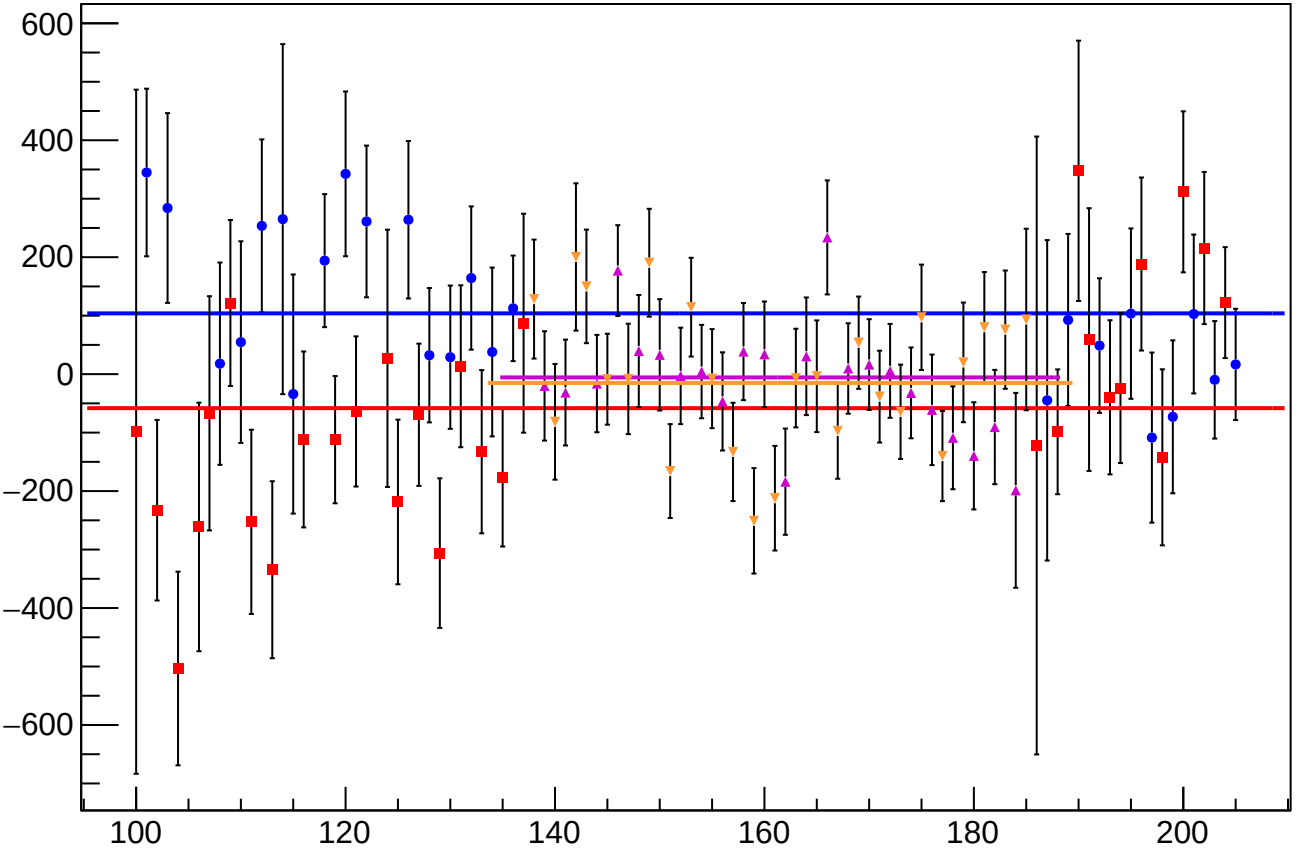
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 981.205+/-0.130 χ^2/NDF: 9081771.7/49

All: 993.578+/-0.093 χ^2/NDF: 19627423.6/10

- sign 1006.755+/-0.134 χ^2/NDF: 10526813.7/52

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -58.176+/-26.567 χ^2/NDF: 45.8/29

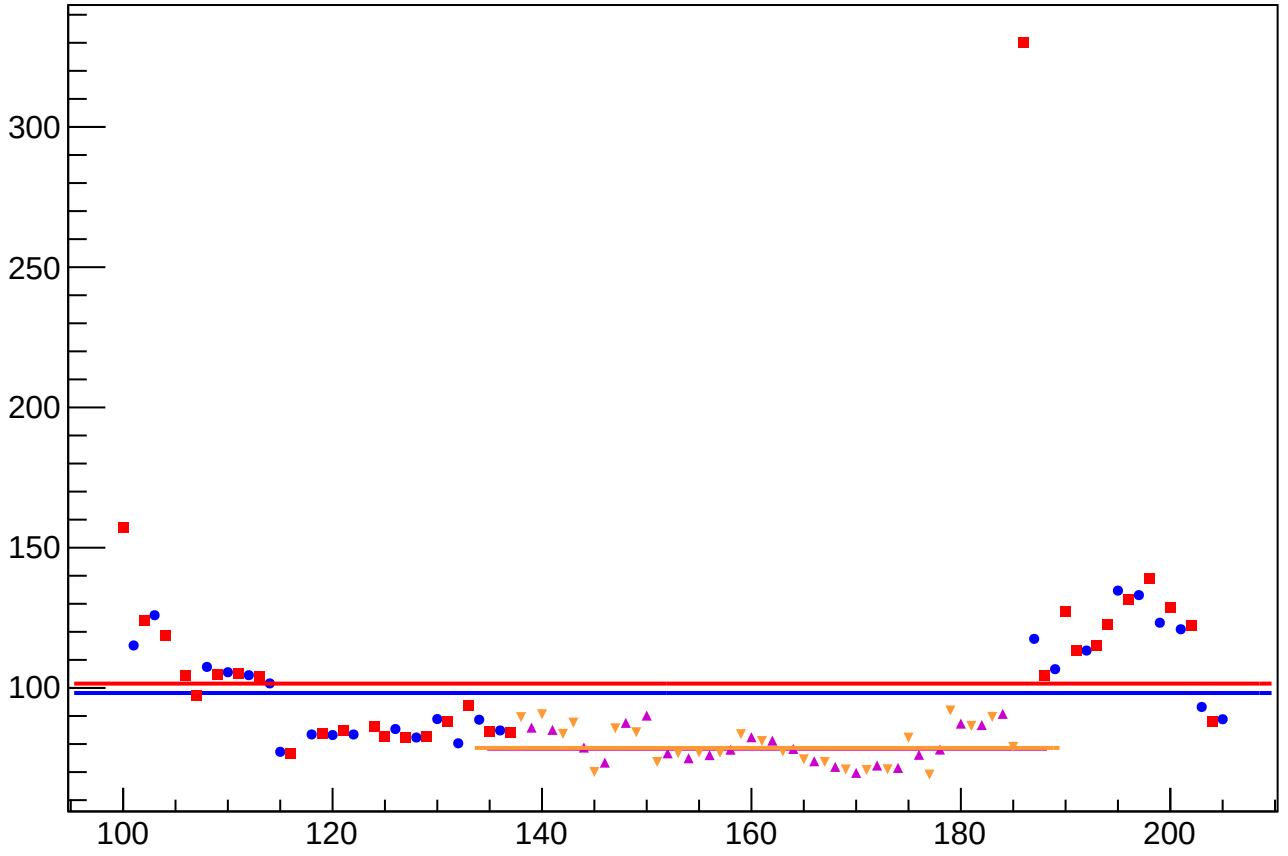
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.072+/-14.892 χ^2/NDF: 75.7/49

All: 0.051+/-10.608 χ^2/NDF: 151.7/102

- sign -22.638+/-15.116 χ^2/NDF: 71.5/52

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

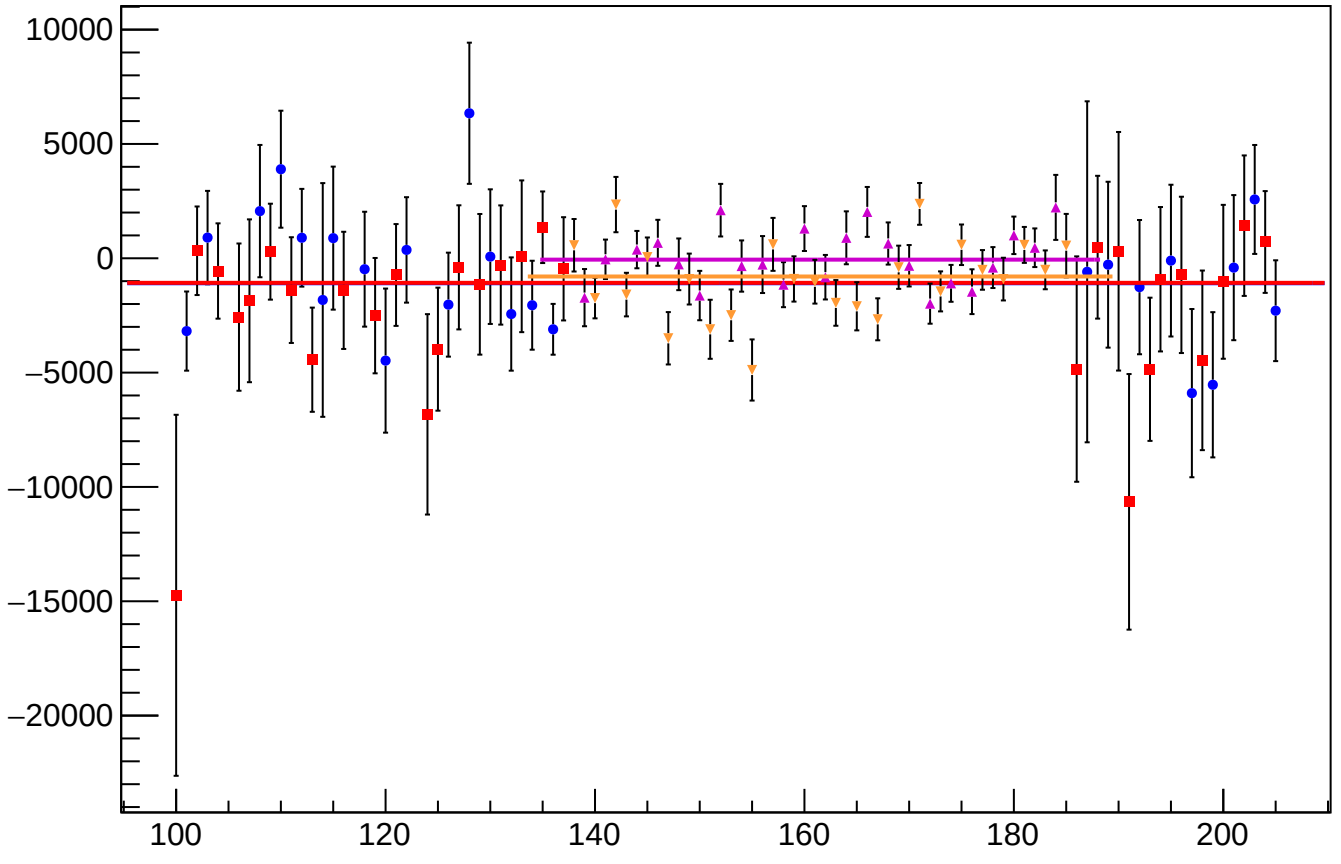
Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.731+/-0.011 χ^2/NDF: 1861122.3/49

All: 85.282+/-0.008 χ^2/NDF: 4418709.8/102

- sign 85.850+/-0.011 χ^2/NDF: 2552020.5/52



Right In: -1091.957+/-484.594 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

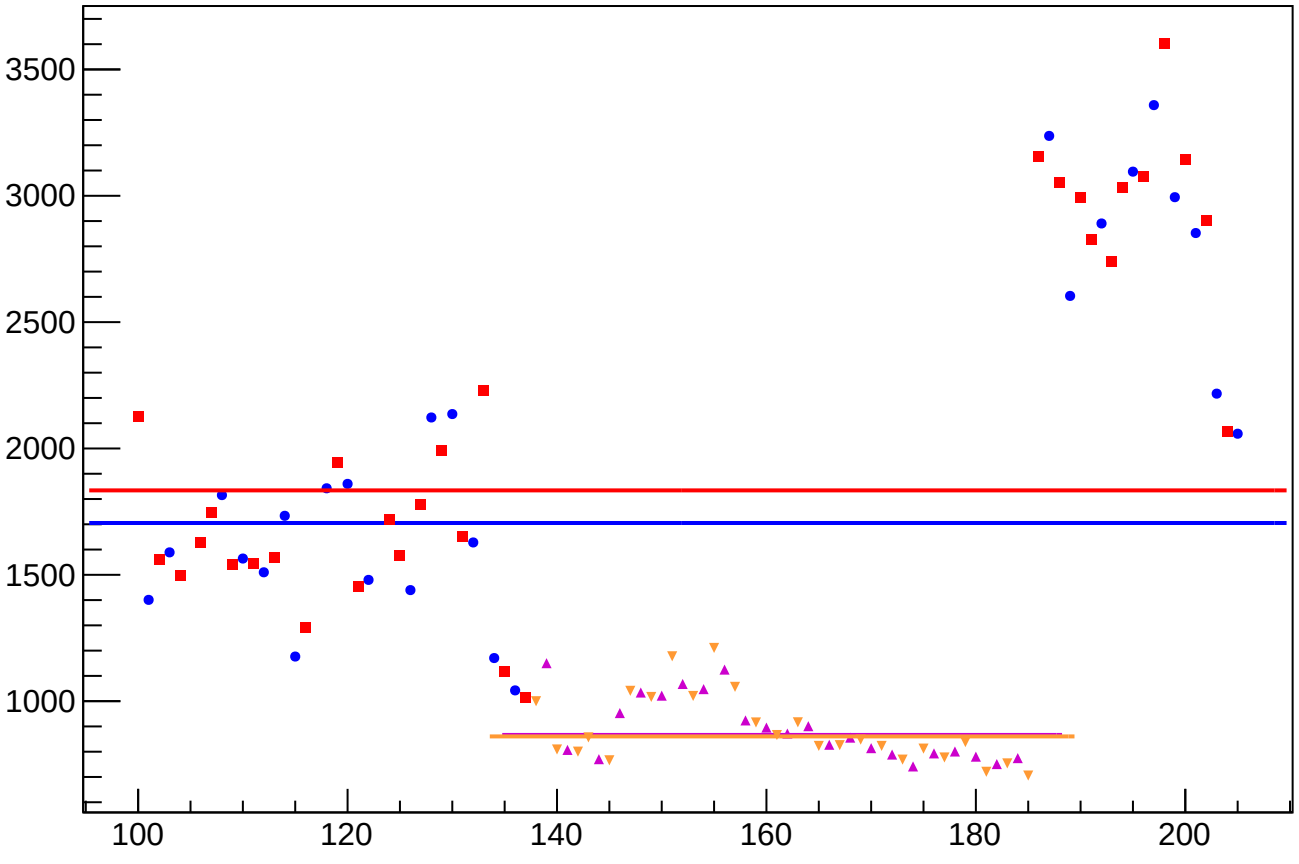
Right Out: -1074.270+/-497.419 χ^2/NDF: 19.8/29

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -839.154+/-183.198 χ^2/NDF: 86.6/49

All: -532.660+/-131.574 χ^2/NDF: 146.2/102

- sign -206.137+/-189.089 χ^2/NDF: 53.9/52



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

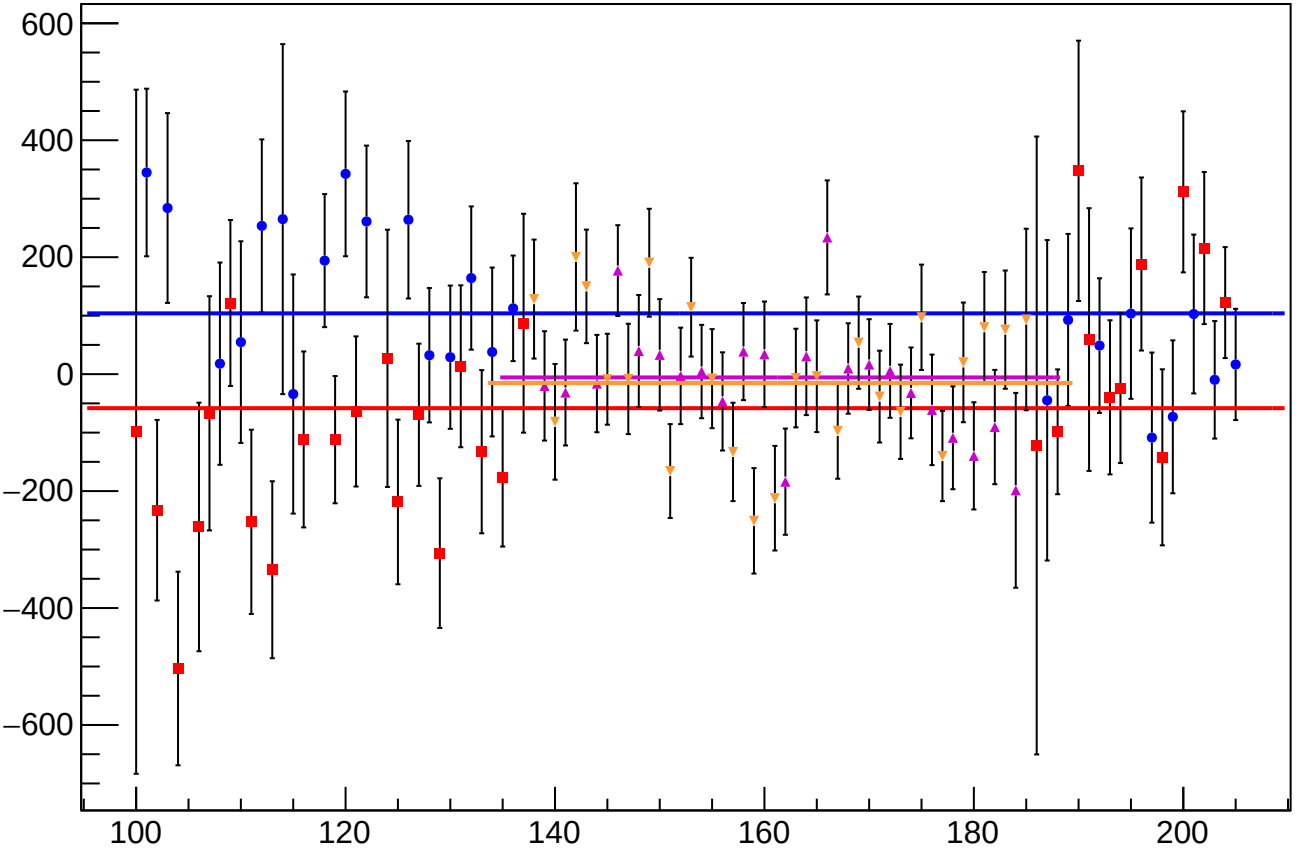
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 981.205+/-0.130 χ^2/NDF: 9081792.1/49

All: 993.310+/-0.093 χ^2/NDF: 19593527.7/10

- sign 1006.206+/-0.134 χ^2/NDF: 10493701.2/52

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -58.176+/-26.567 χ^2/NDF: 45.8/29

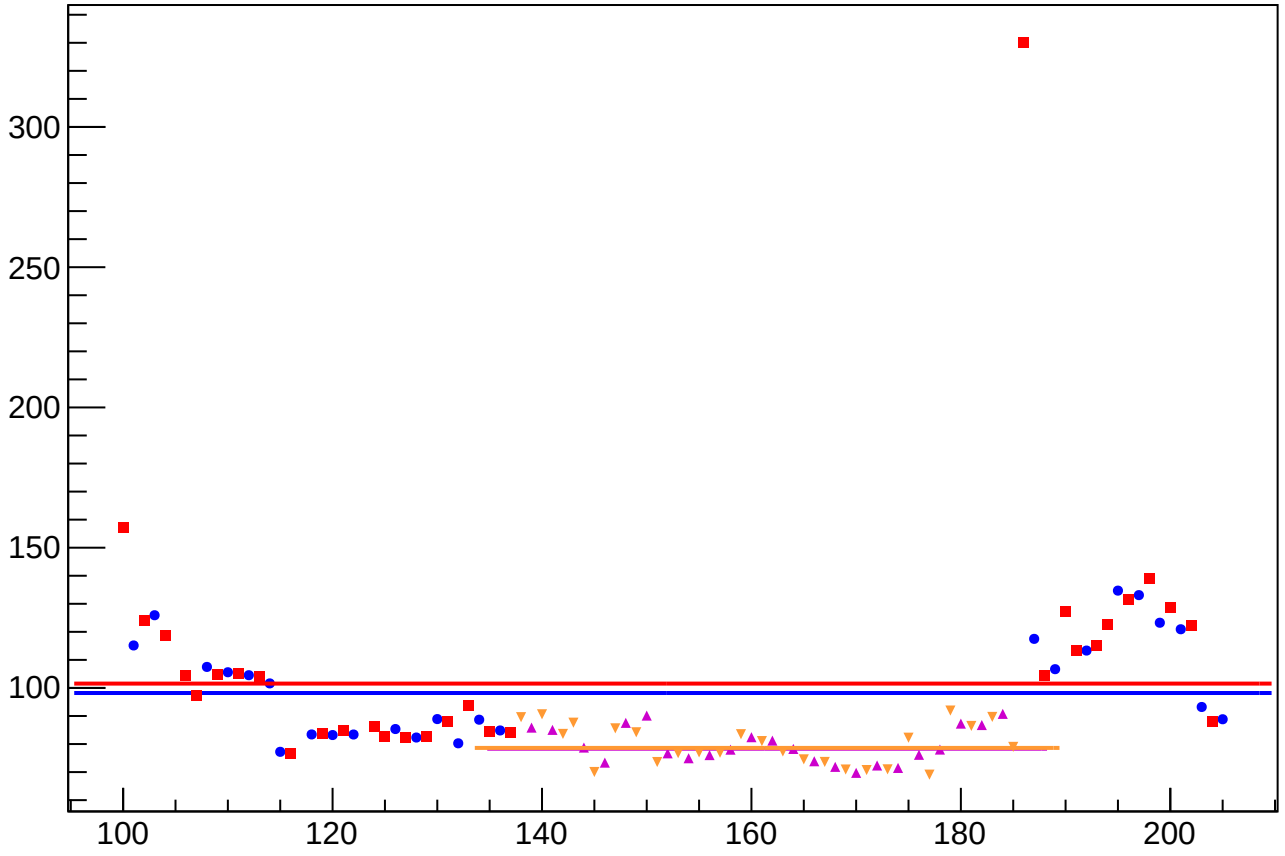
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.072+/-14.892 χ^2/NDF: 75.7/49

All: 0.051+/-10.608 χ^2/NDF: 151.7/102

- sign -22.638+/-15.116 χ^2/NDF: 71.5/52

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

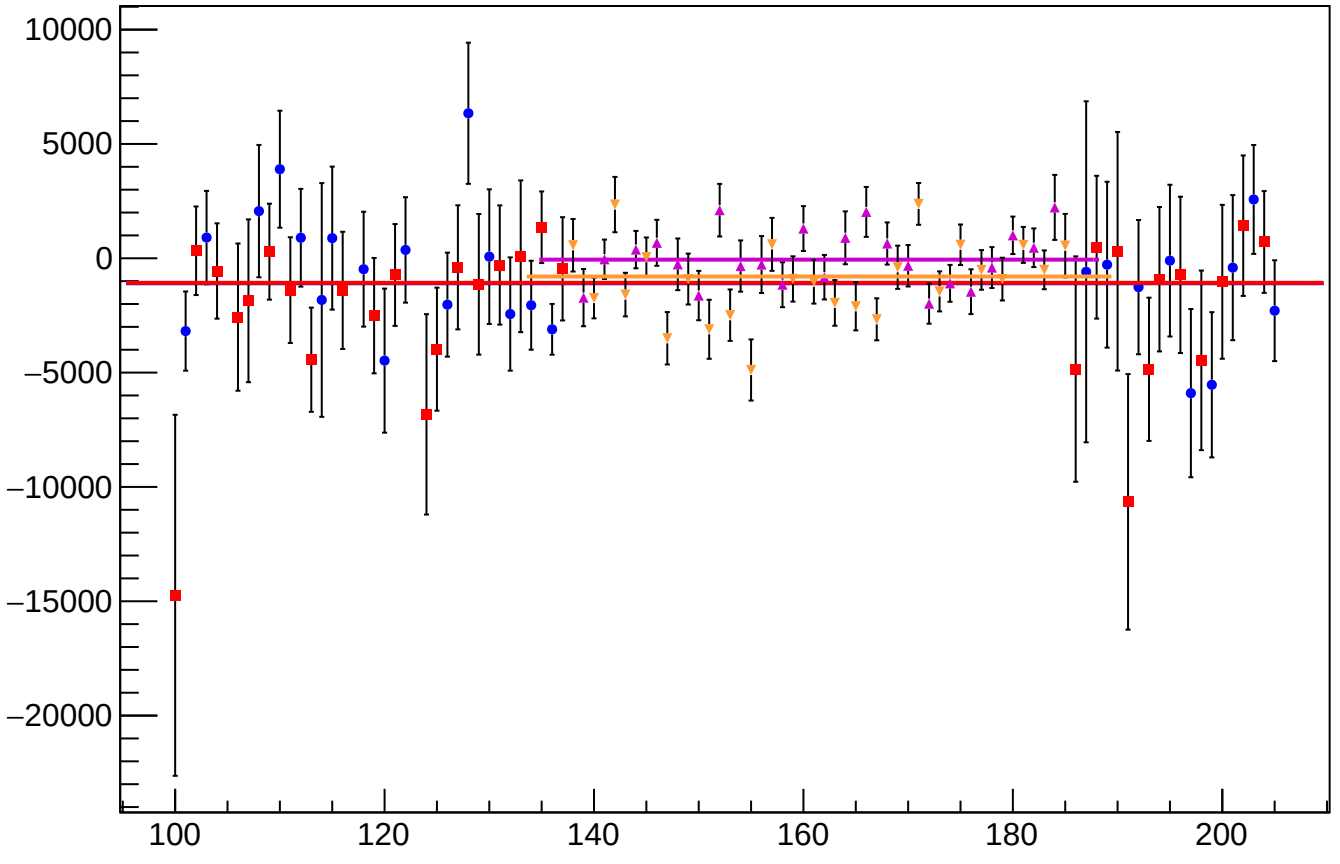
Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.731+/-0.011 χ^2/NDF: 1861122.3/49

All: 85.282+/-0.008 χ^2/NDF: 4418709.8/102

- sign 85.850+/-0.011 χ^2/NDF: 2552020.5/52



Right In: -1091.957+/-484.594 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

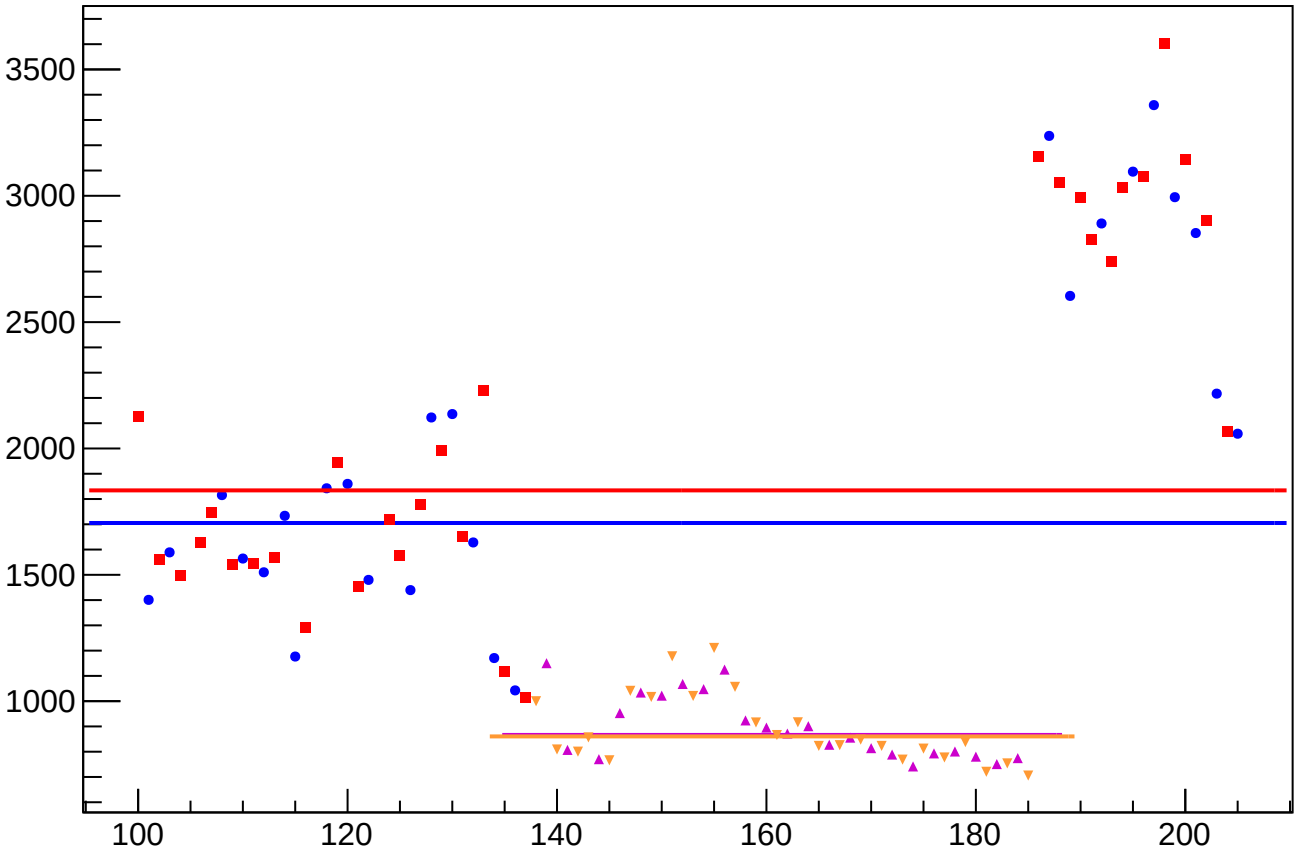
Right Out: -1074.270+/-497.419 χ^2/NDF: 19.8/29

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -839.154+/-183.198 χ^2/NDF: 86.6/49

All: -532.660+/-131.574 χ^2/NDF: 146.2/102

- sign -206.137+/-189.089 χ^2/NDF: 53.9/52



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

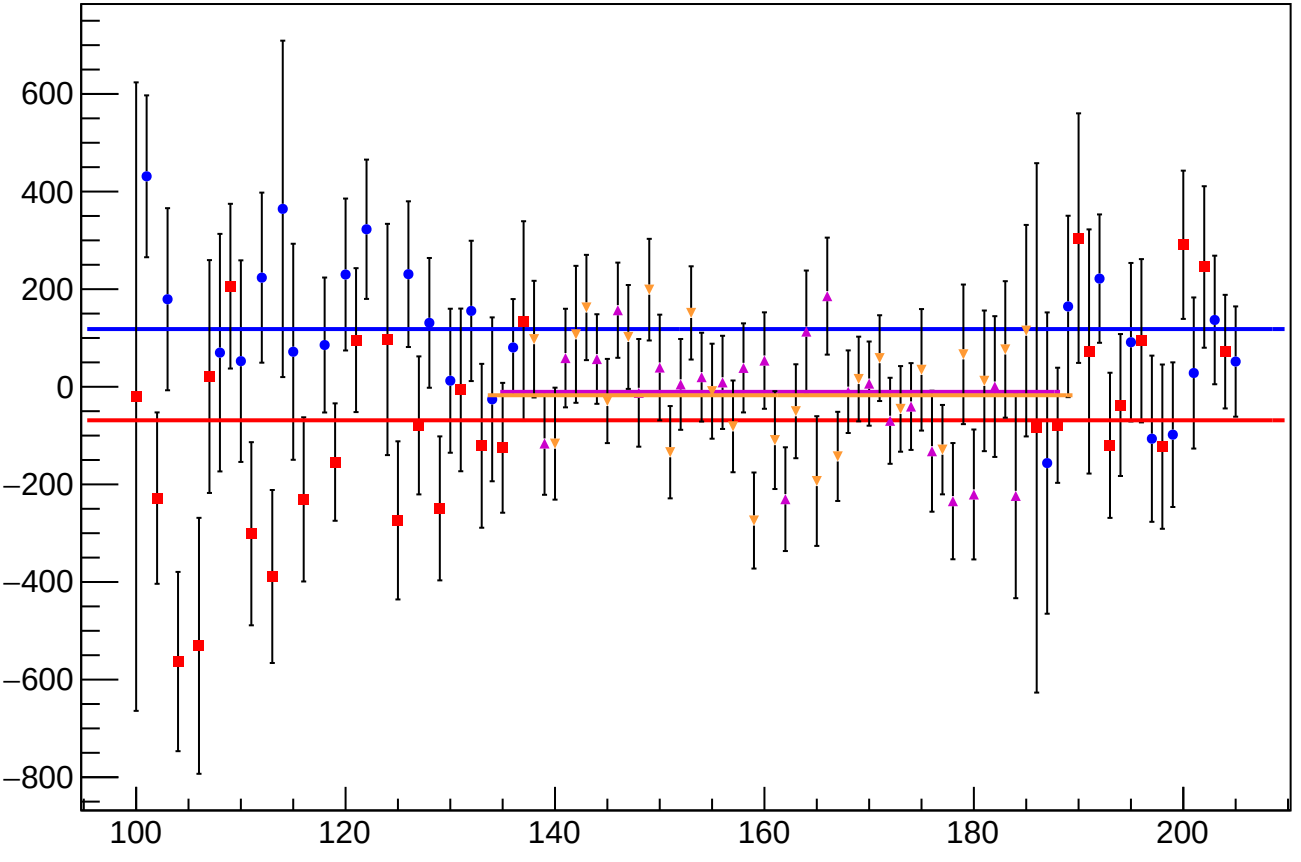
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 981.205+/-0.130 χ^2/NDF: 9081792.1/49

All: 993.310+/-0.093 χ^2/NDF: 19593527.7/10

- sign 1006.206+/-0.134 χ^2/NDF: 10493701.2/52

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 118.262+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -68.667+/-30.572 χ^2/NDF: 40.8/29

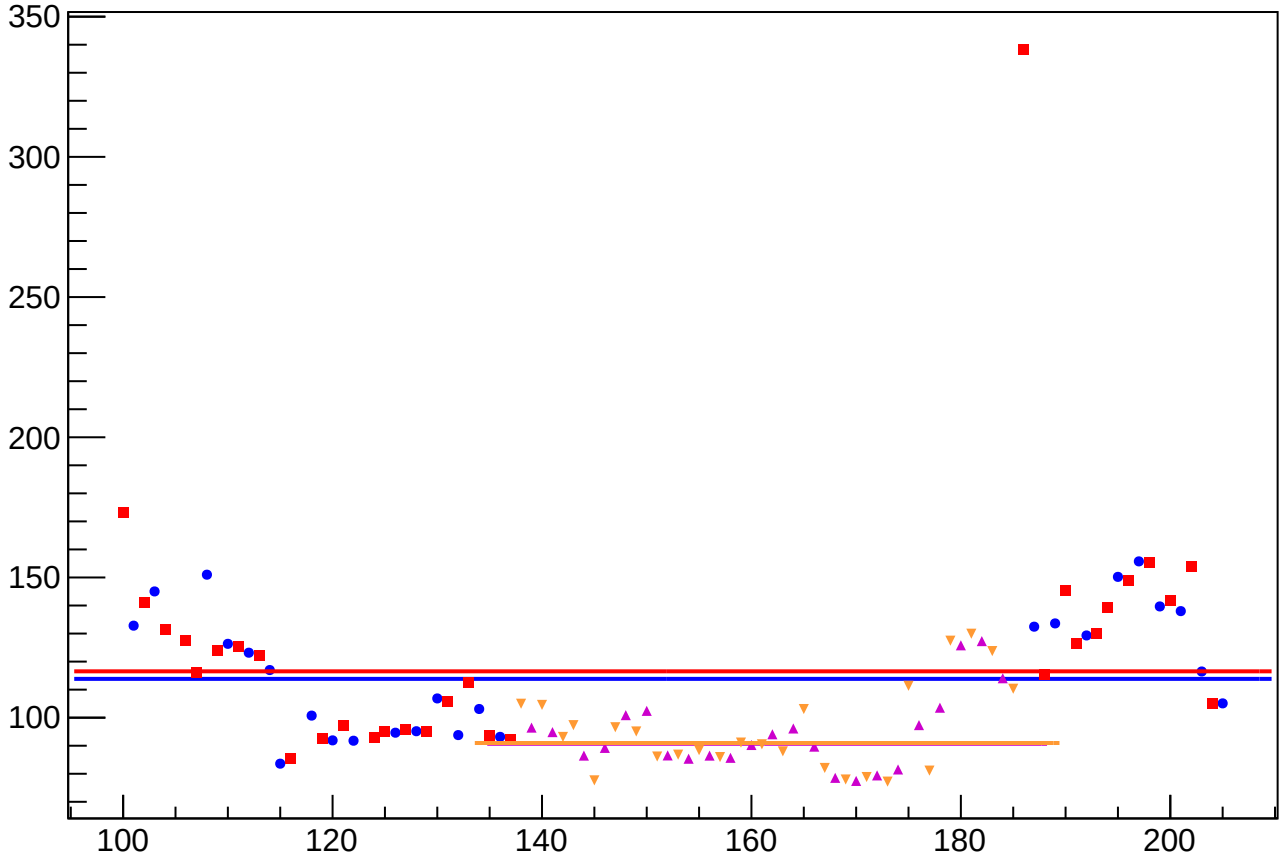
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.124+/-17.392 χ^2/NDF: 59.8/49

All: -1.977+/-12.367 χ^2/NDF: 130.5/102

- sign -29.693+/-17.588 χ^2/NDF: 65.9/52

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.840+/-0.022 χ^2/NDF: 897034.8/24

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 116.529+/-0.022 χ^2/NDF: 1286524.9/29

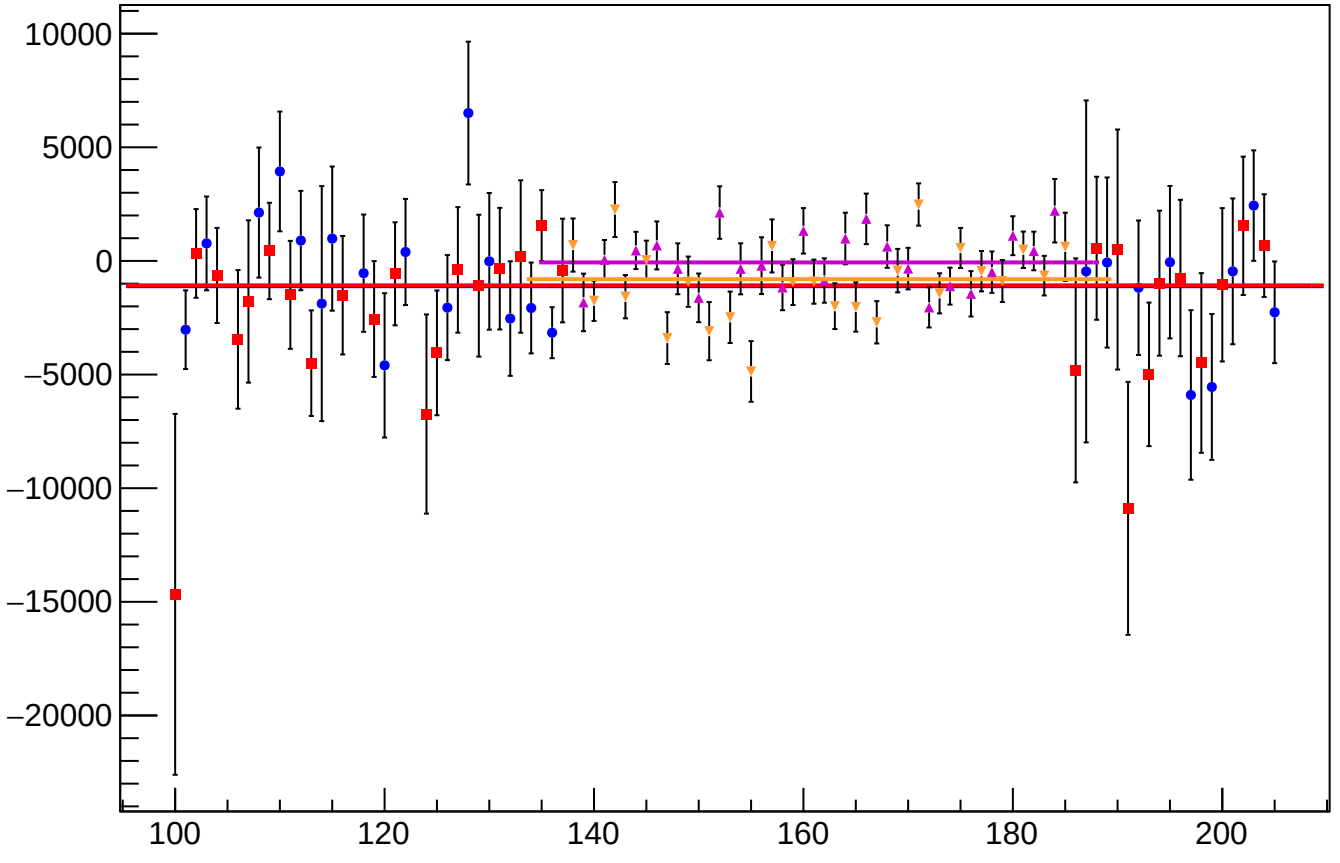
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 98.132+/-0.012 χ^2/NDF: 2425728.2/49

All: 98.681+/-0.009 χ^2/NDF: 5218043.9/102

- sign 99.242+/-0.012 χ^2/NDF: 2788284.0/52

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1111.538+/-491.277 χ^2/NDF: 26.2/24

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1074.805+/-501.728 χ^2/NDF: 21.0/29

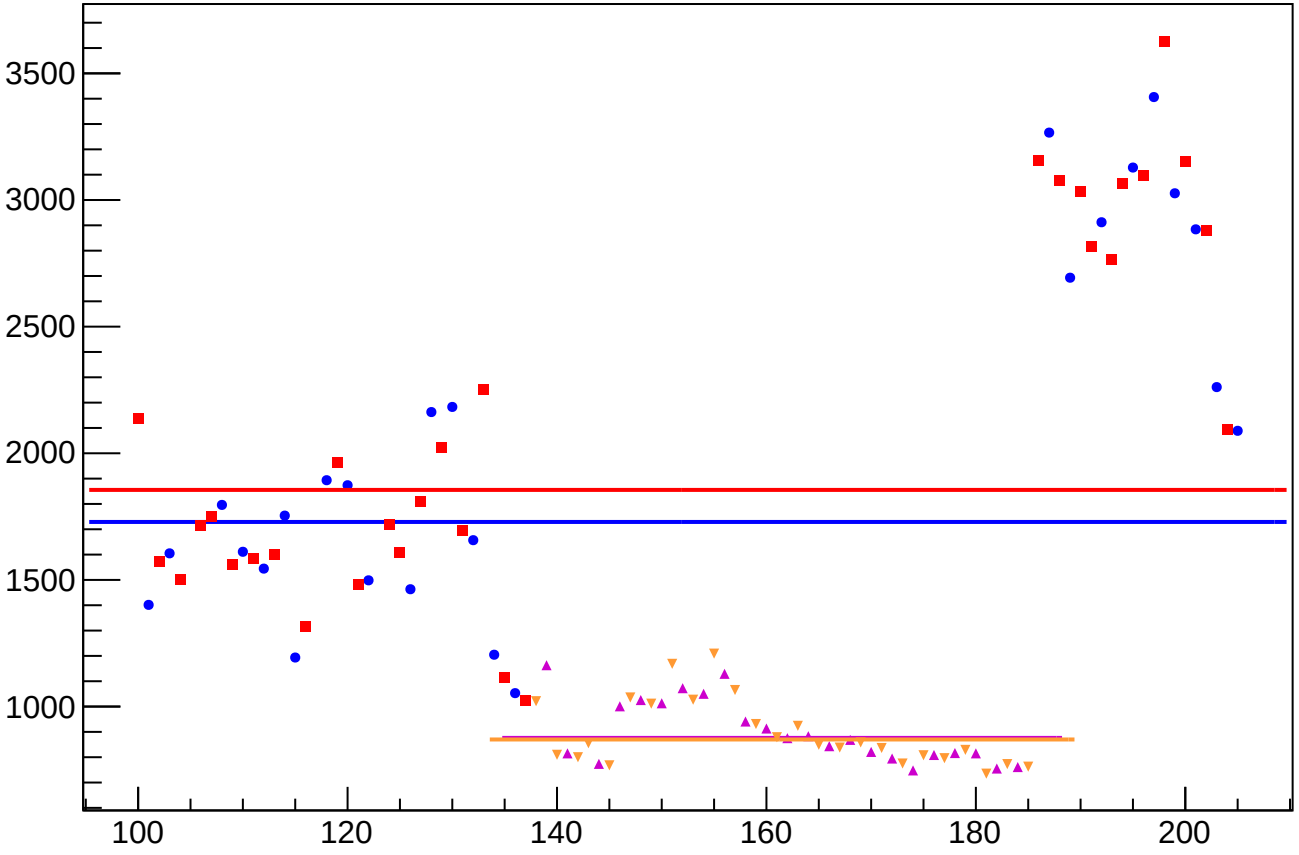
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -846.407+/-185.120 χ^2/NDF: 84.9/49

All: -539.128+/-132.963 χ^2/NDF: 145.7/102

- sign -211.679+/-191.099 χ^2/NDF: 55.2/52

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1728.890+/-0.347 χ^2/NDF: 3185992.7/24

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1855.382+/-0.355 χ^2/NDF: 3372222.3/29

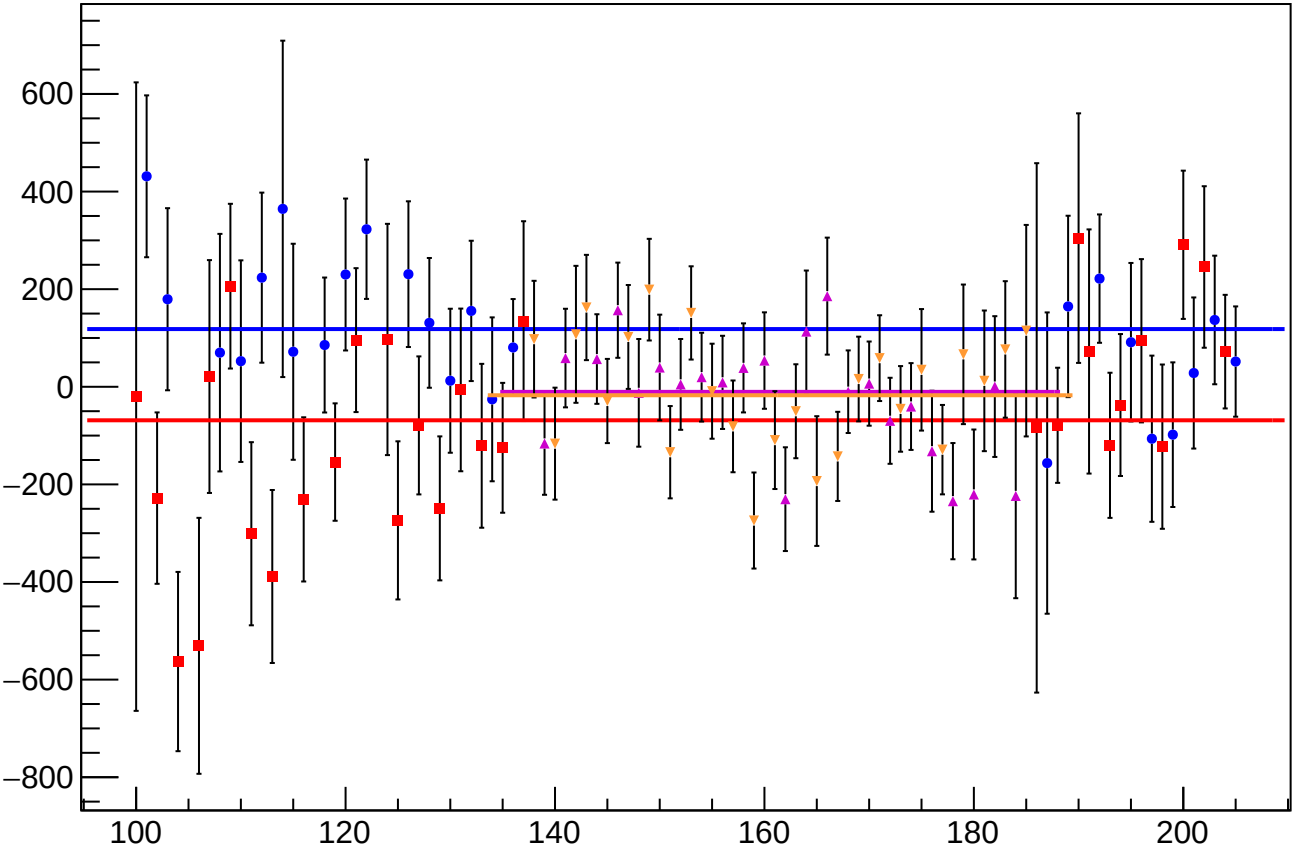
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 991.960+/-0.131 χ^2/NDF: 9078159.5/49

All: 1004.718+/-0.094 χ^2/NDF: 19578774.4/1

- sign 1018.313+/-0.135 χ^2/NDF: 10480993.6/52

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 118.264+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -68.667+/-30.572 χ^2/NDF: 40.8/29

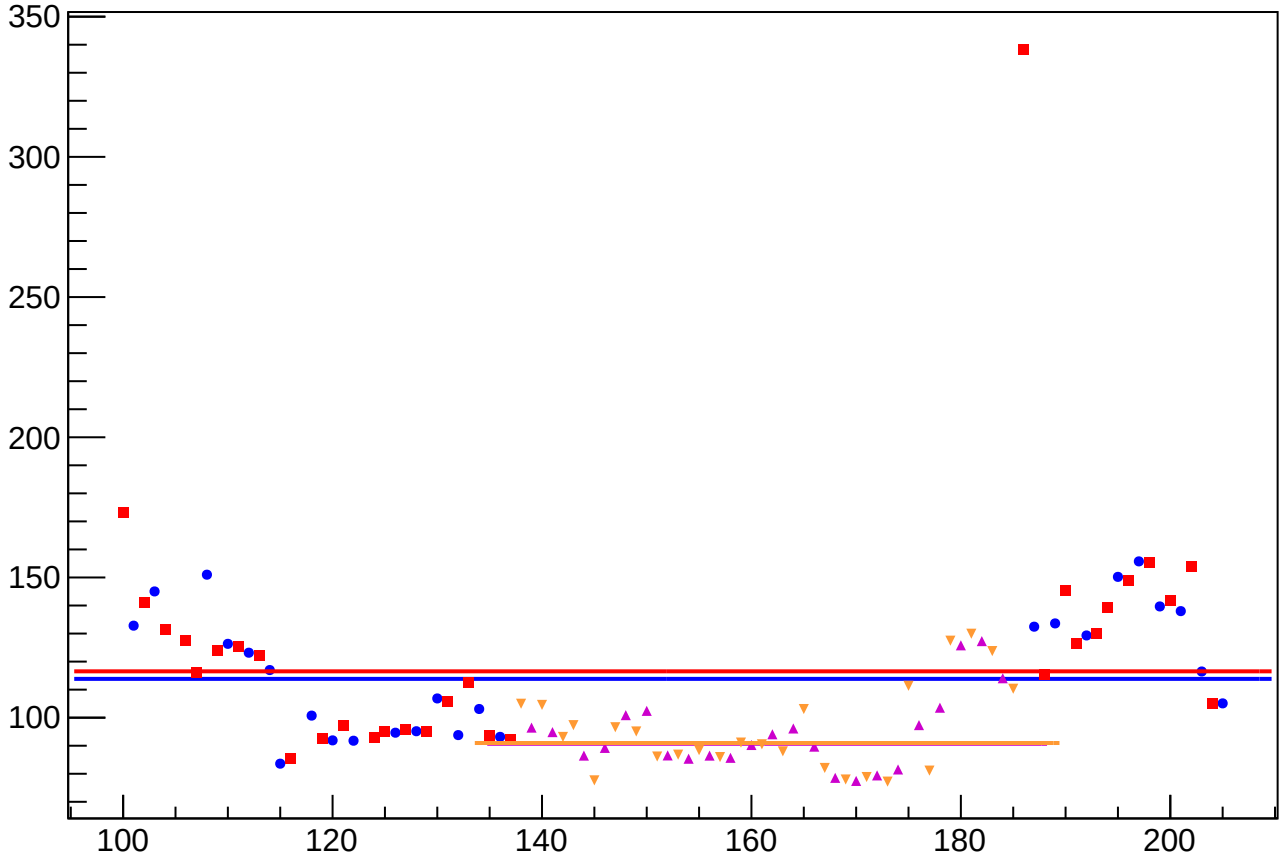
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.125+/-17.392 χ^2/NDF: 59.8/49

All: -1.976+/-12.367 χ^2/NDF: 130.5/102

- sign -29.693+/-17.588 χ^2/NDF: 65.9/52

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.839+/-0.022 χ^2/NDF: 897056.7/24

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

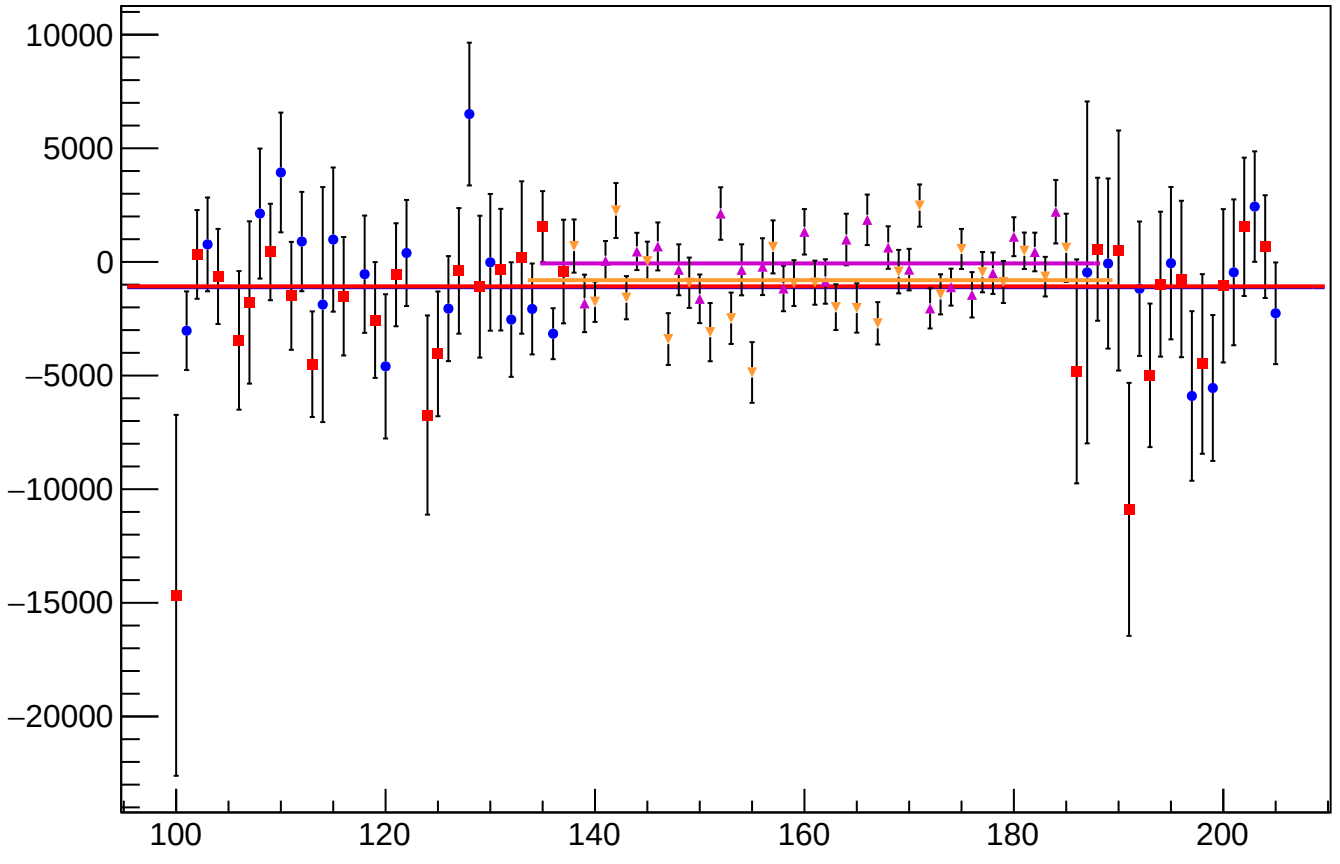
Right Out: 116.528+/-0.022 χ^2/NDF: 1286549.2/29

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 98.131+/-0.012 χ^2/NDF: 2425704.1/49

All: 98.680+/-0.009 χ^2/NDF: 5218002.0/102

- sign 99.242+/-0.012 χ^2/NDF: 2788266.6/52



Right In: -1111.534+/-491.276 χ^2/NDF: 26.2/24

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

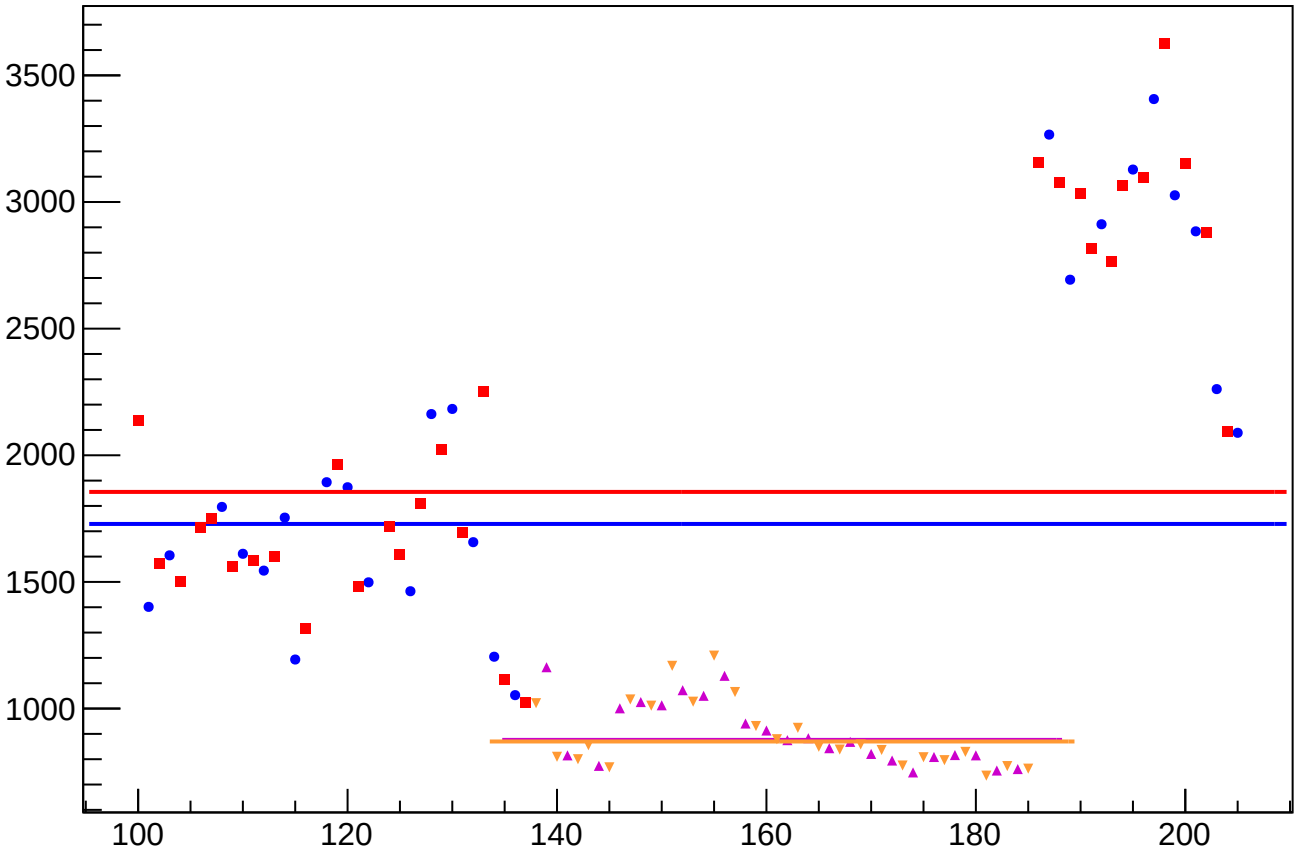
Right Out: -1074.805+/-501.727 χ^2/NDF: 21.0/29

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -846.406+/-185.120 χ^2/NDF: 84.9/49

All: -539.127+/-132.963 χ^2/NDF: 145.7/102

- sign -211.679+/-191.099 χ^2/NDF: 55.2/52



Right In: 1728.887+/-0.347 χ^2/NDF: 3185997.3/24

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1855.379+/-0.355 χ^2/NDF: 3372232.2/29

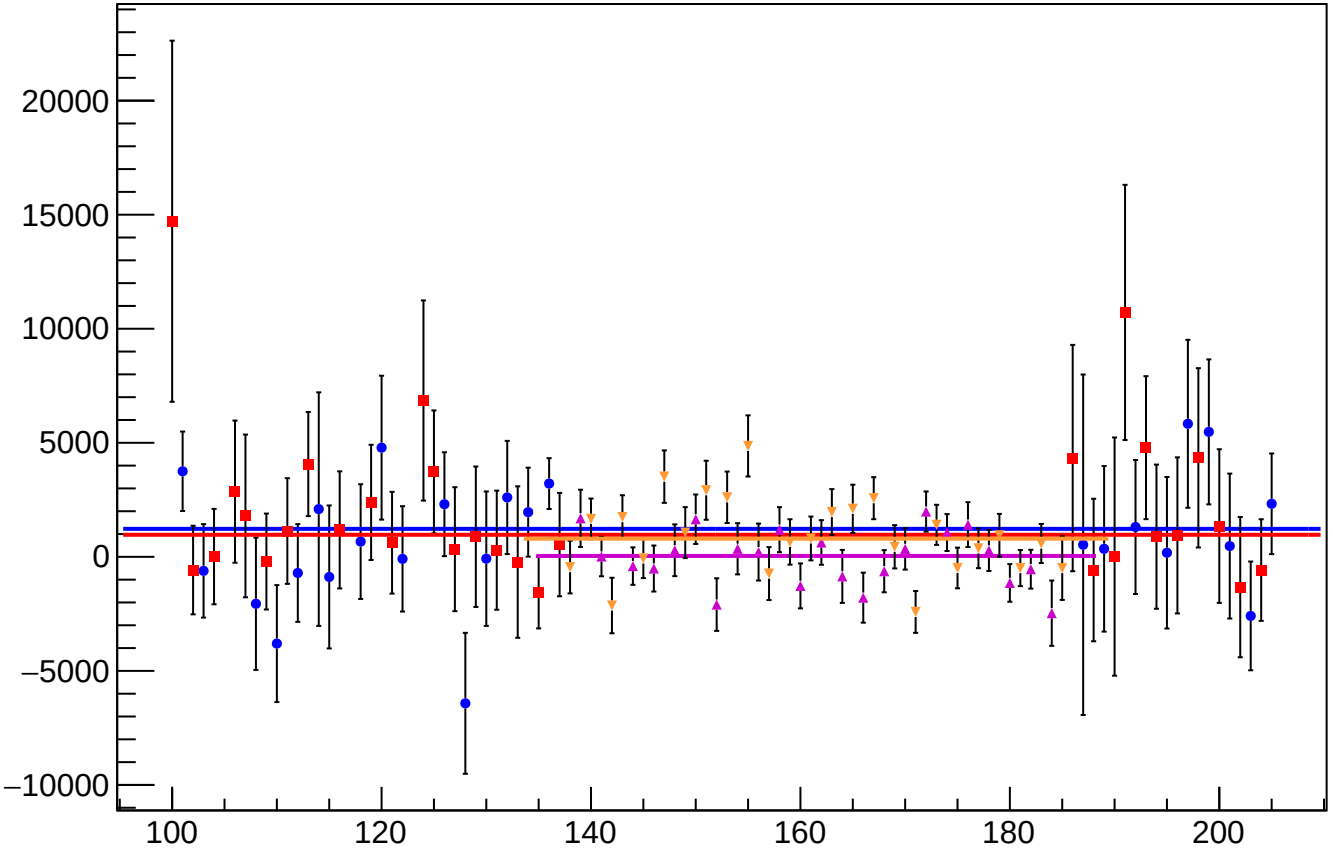
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 991.959+/-0.131 χ^2/NDF: 9078154.9/49

All: 1004.717+/-0.094 χ^2/NDF: 19578767.1/1

- sign 1018.312+/-0.135 χ^2/NDF: 10480991.0/52

asym_sam_24_68_dd_mean vs Slug



Right In: 1227.661+/-485.732 χ^2/NDF: 27.5/24

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 967.012+/-497.963 χ^2/NDF: 19.6/29

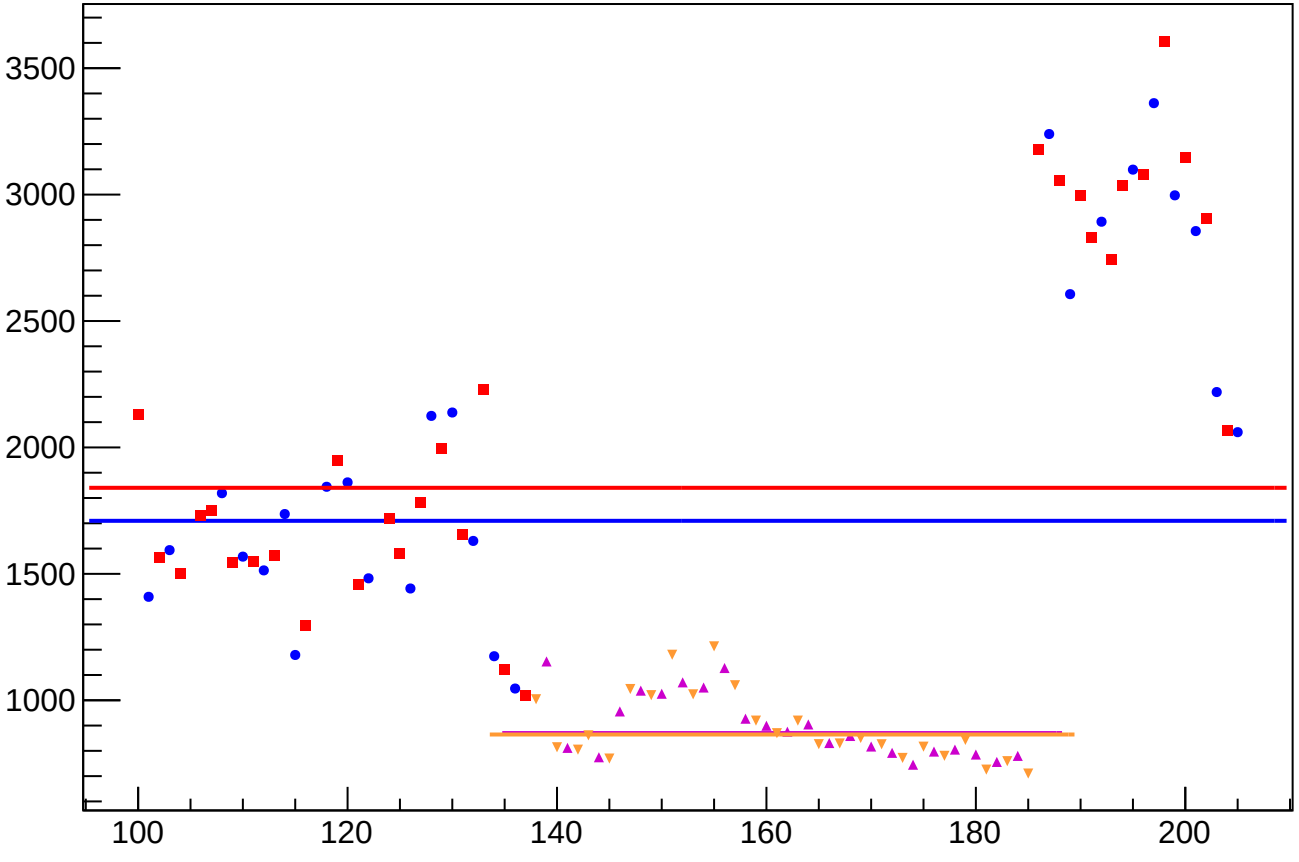
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 858.180+/-183.988 χ^2/NDF: 85.4/49

All: 527.048+/-132.120 χ^2/NDF: 144.3/102

- sign 174.515+/-189.841 χ^2/NDF: 52.3/52

asym_sam_24_68_dd_rms vs Slug



Right In: 1709.761+/-0.343 χ^2/NDF: 3157784.7/24

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

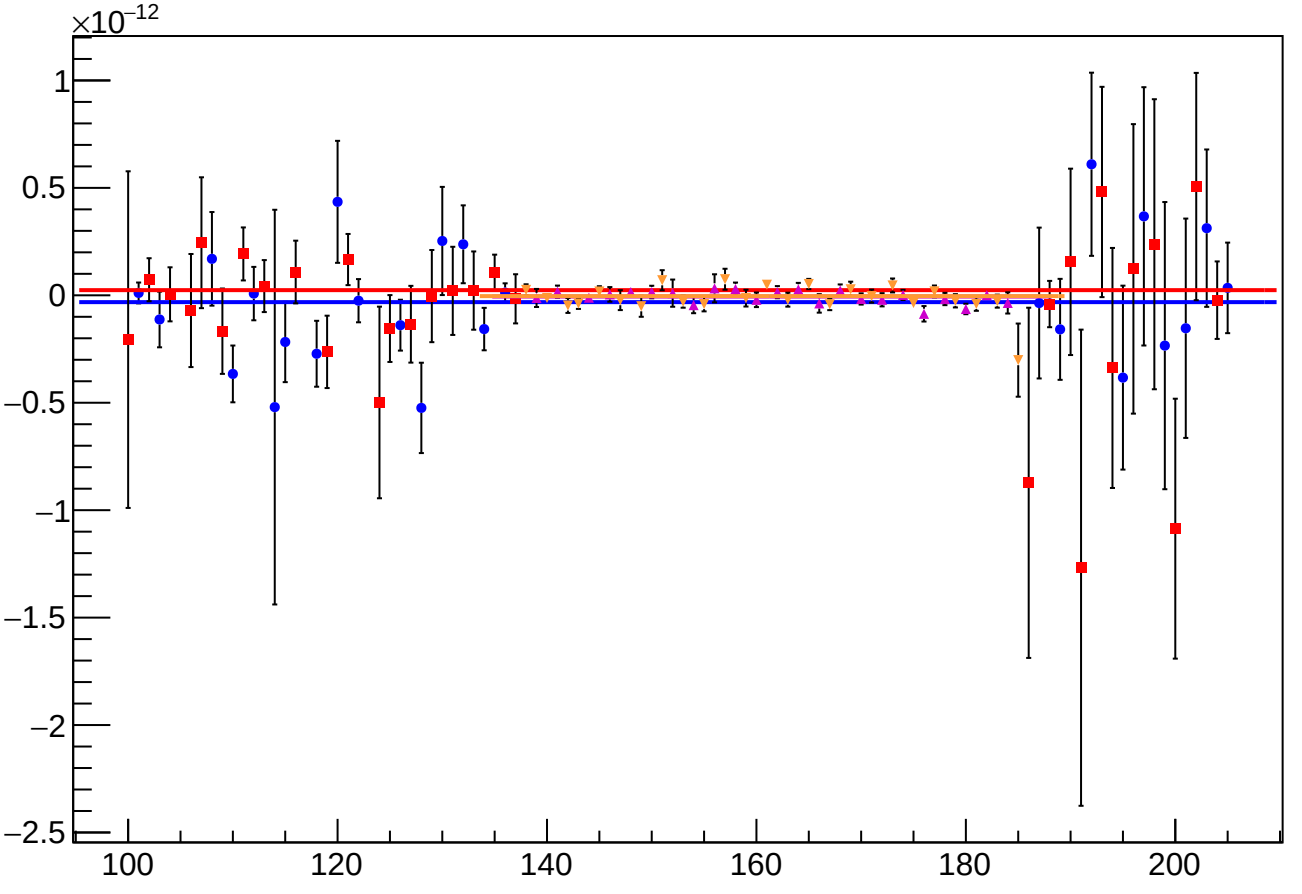
Right Out: 1840.328+/-0.352 χ^2/NDF: 3386339.5/29

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 985.894+/-0.130 χ^2/NDF: 9032540.8/49

All: 998.211+/-0.093 χ^2/NDF: 19527596.5/10

- sign 1011.324+/-0.134 χ^2/NDF: 10476550.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

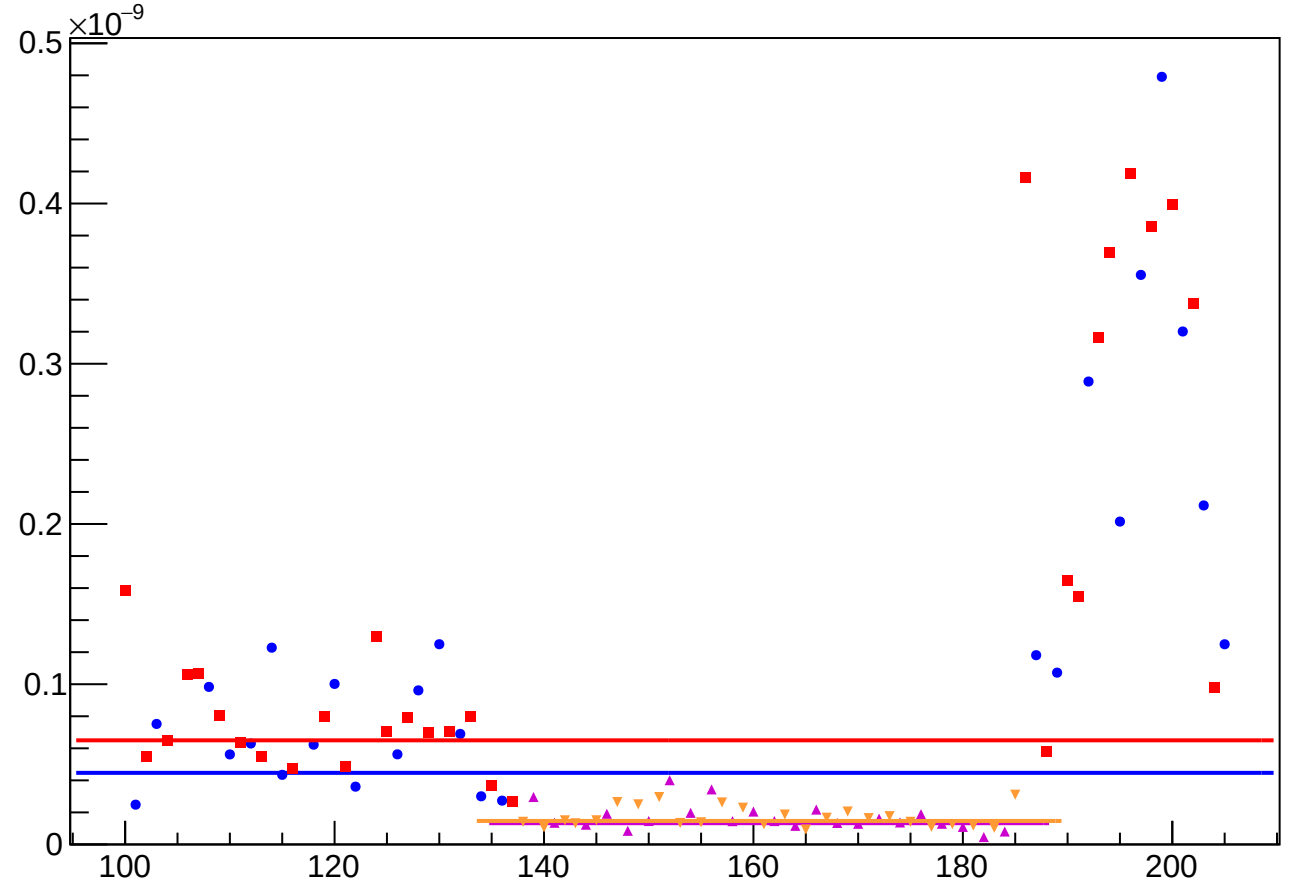
Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/49

All: -0.000+/-0.000 χ^2/NDF: 115.5/102

- sign -0.000+/-0.000 χ^2/NDF: 43.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 5326115.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4604813.4/29

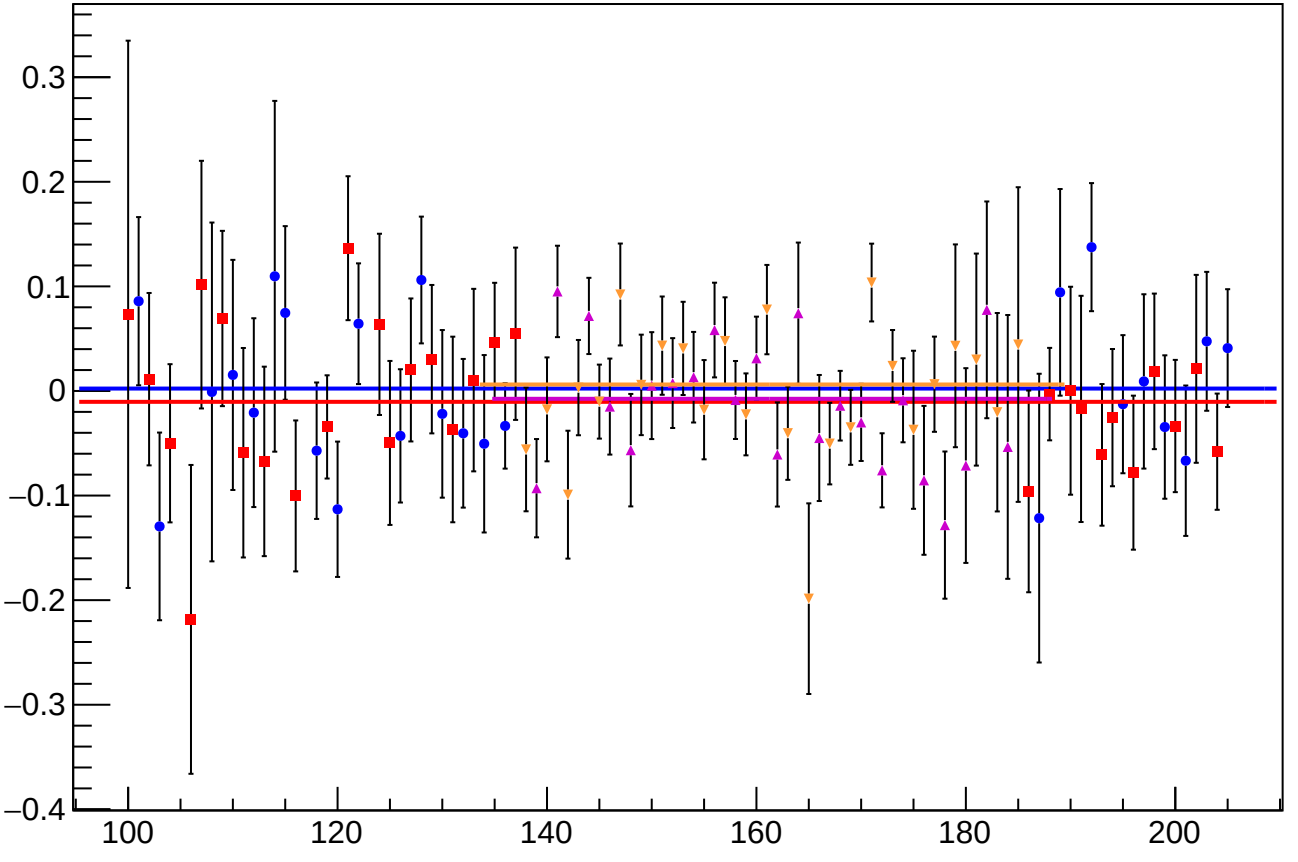
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9240474.7/49

All: 0.000+/-0.000 χ^2/NDF: 21115963.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11828402.9/52

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

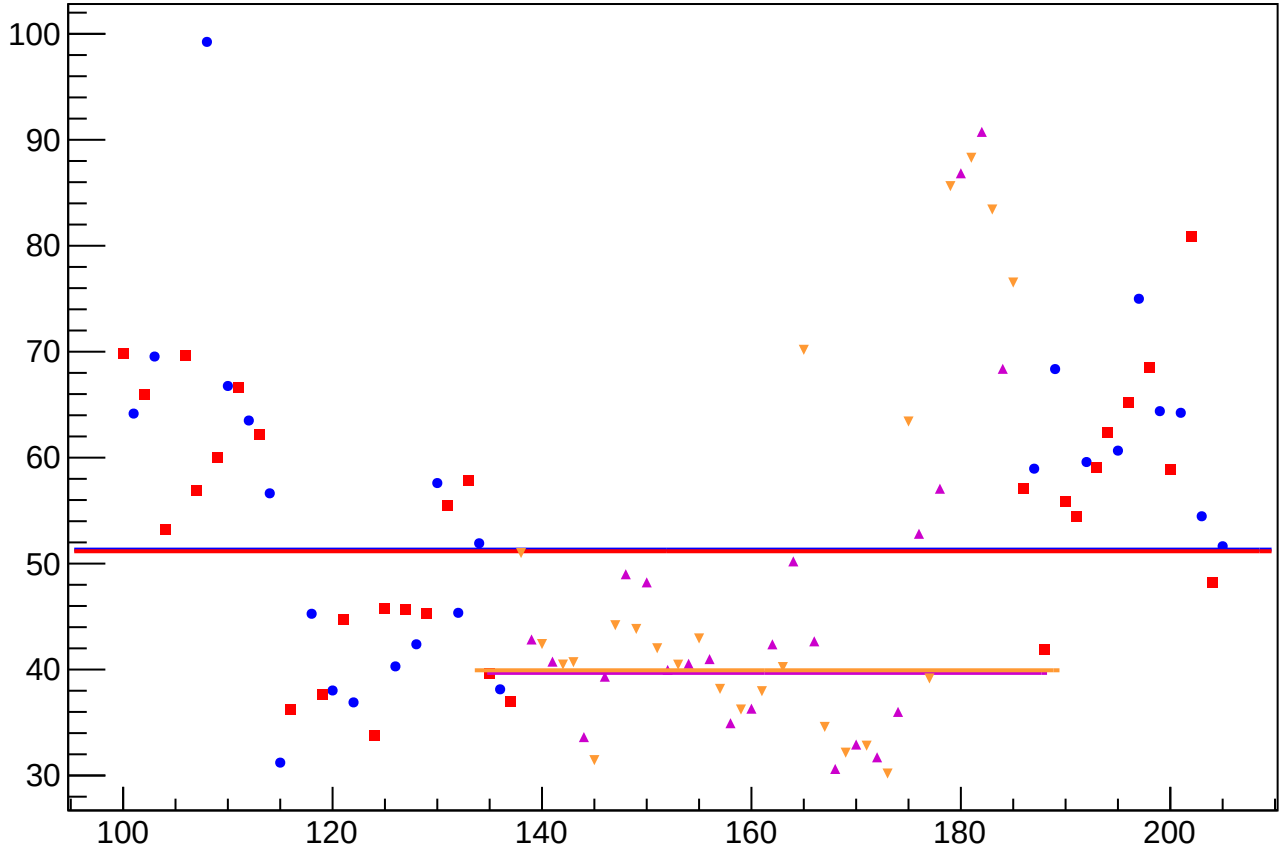
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 104.1/102

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

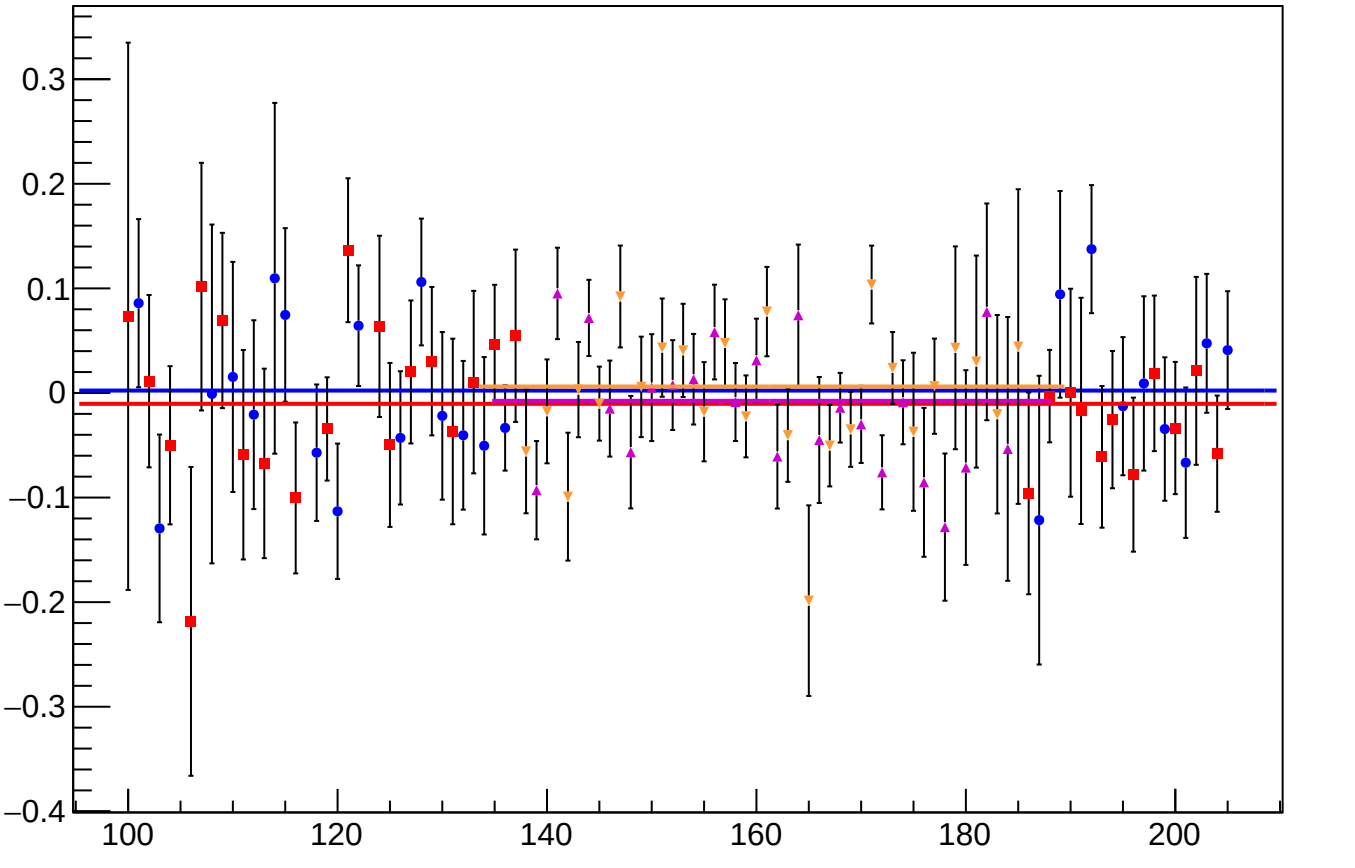
Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858714.5/49

All: 43.503+/-0.004 χ^2/NDF: 9071932.8/102

- sign 43.580+/-0.006 χ^2/NDF: 4212837.7/52



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

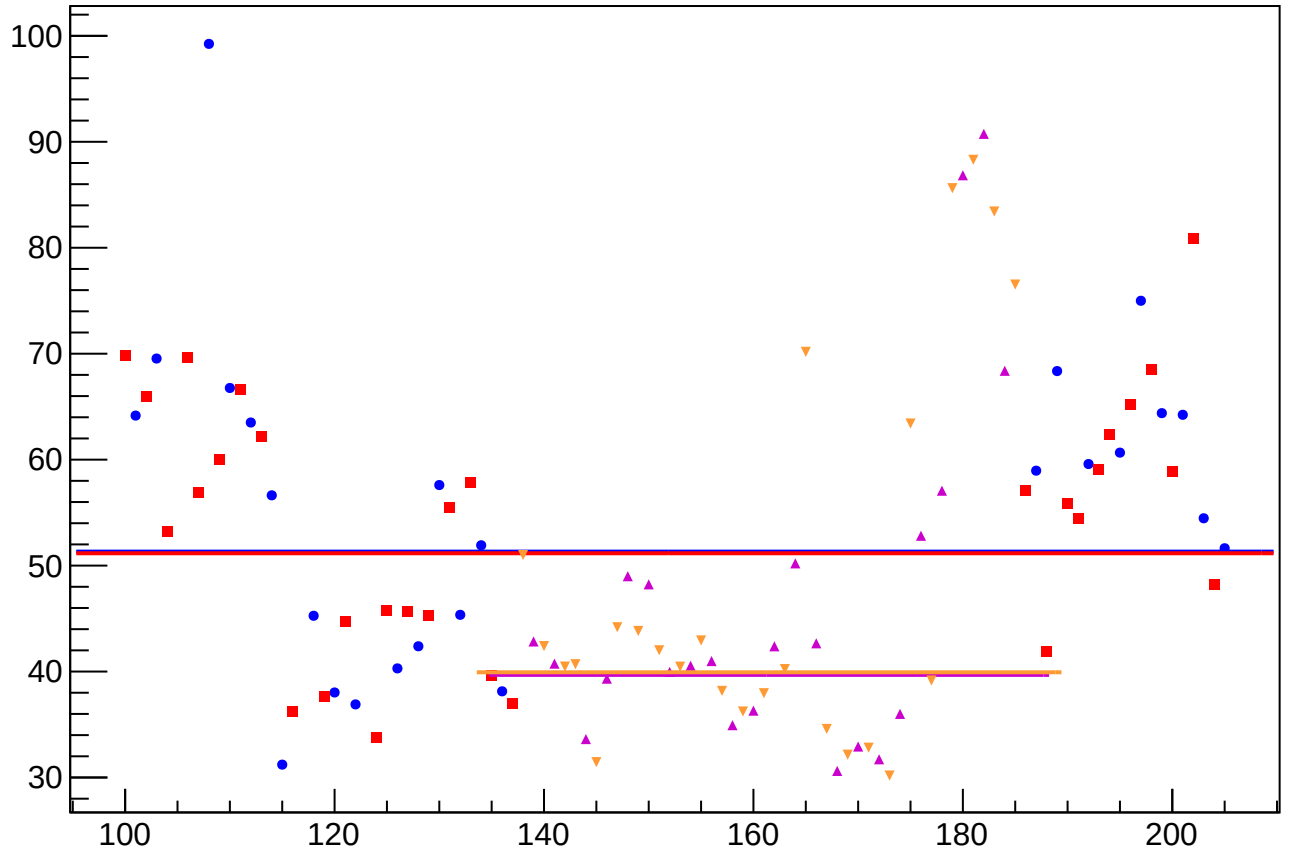
Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 104.1/102

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

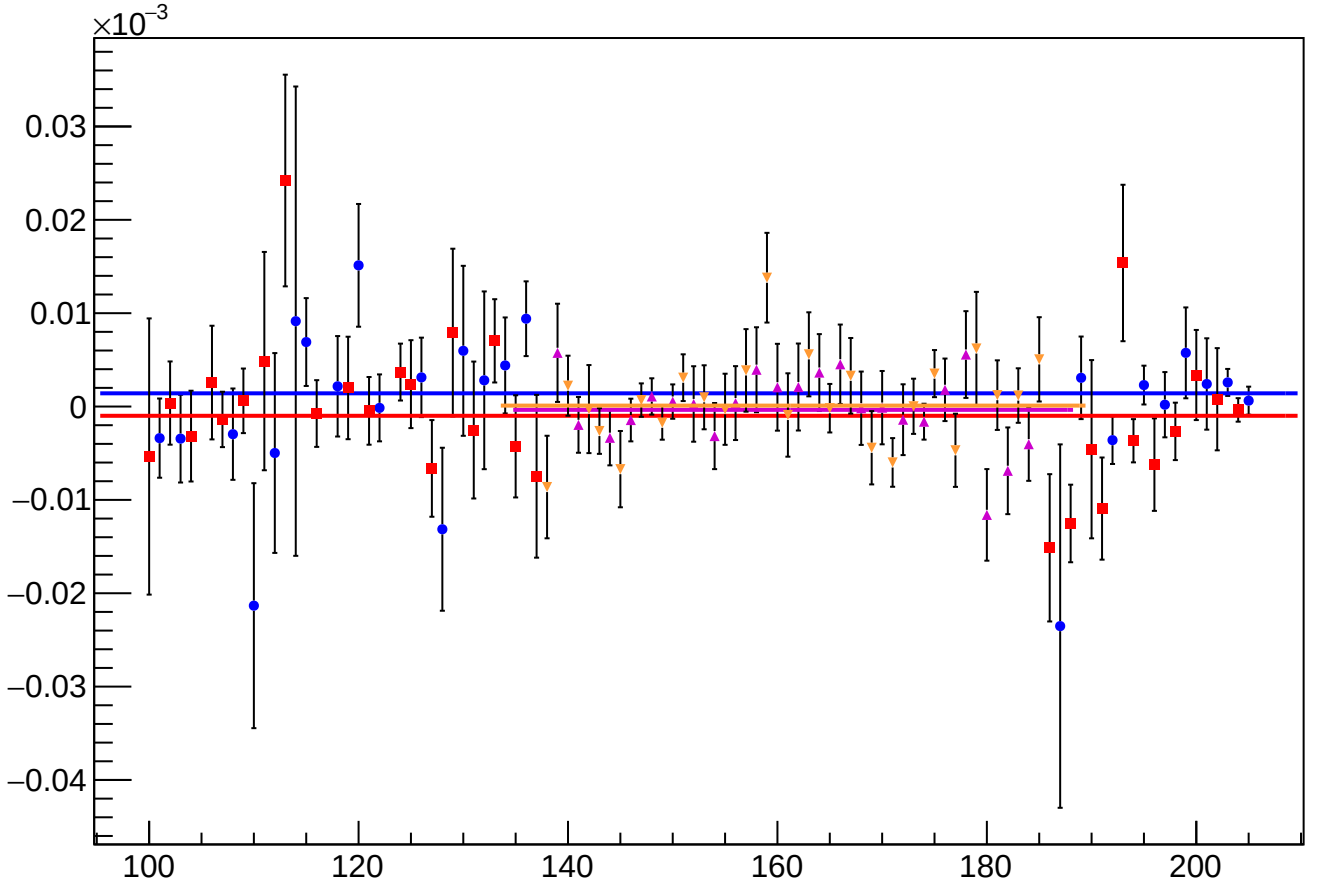
Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858714.5/49

All: 43.503+/-0.004 χ^2/NDF: 9071932.8/102

- sign 43.580+/-0.006 χ^2/NDF: 4212837.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

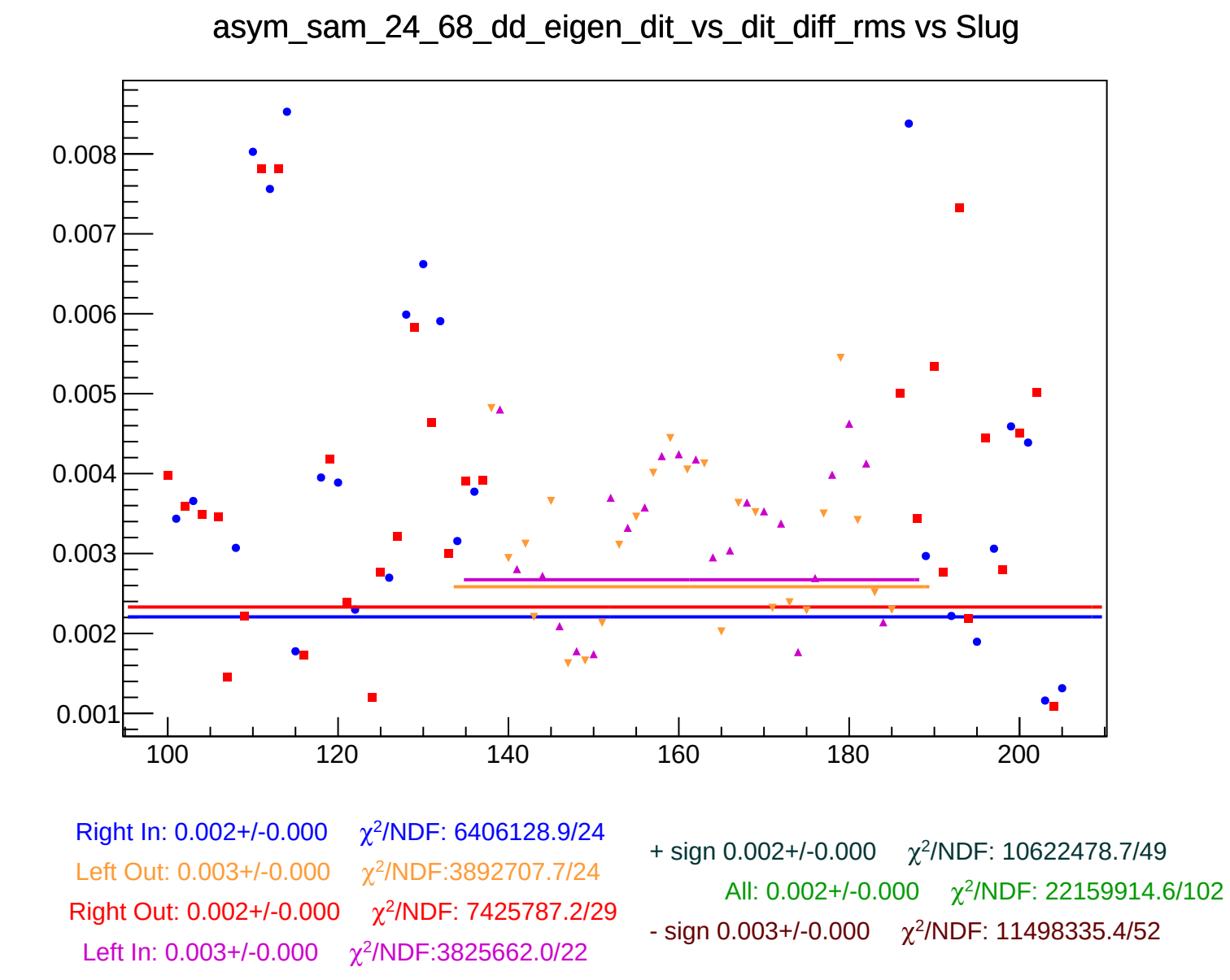
Right Out: -0.000+/-0.000 χ^2/NDF: 37.8/29

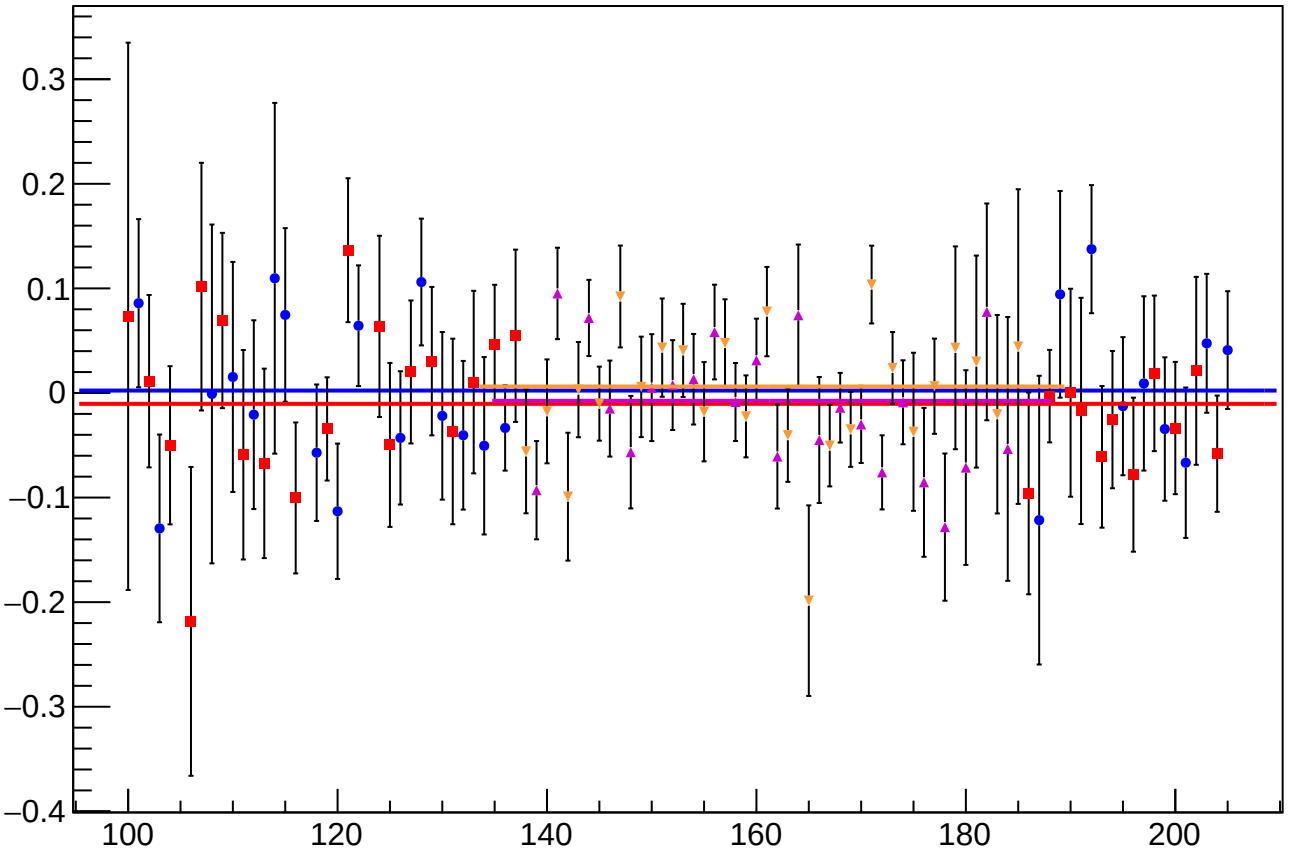
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/49

All: 0.000+/-0.000 χ^2/NDF: 123.9/102

- sign -0.000+/-0.000 χ^2/NDF: 56.9/52


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 6406128.9/24
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 7425787.2/29
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.002+/-0.000 χ²/NDF: 10622478.7/49
All: 0.002+/-0.000 χ²/NDF: 22159914.6/102
- sign 0.003+/-0.000 χ²/NDF: 11498335.4/52



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

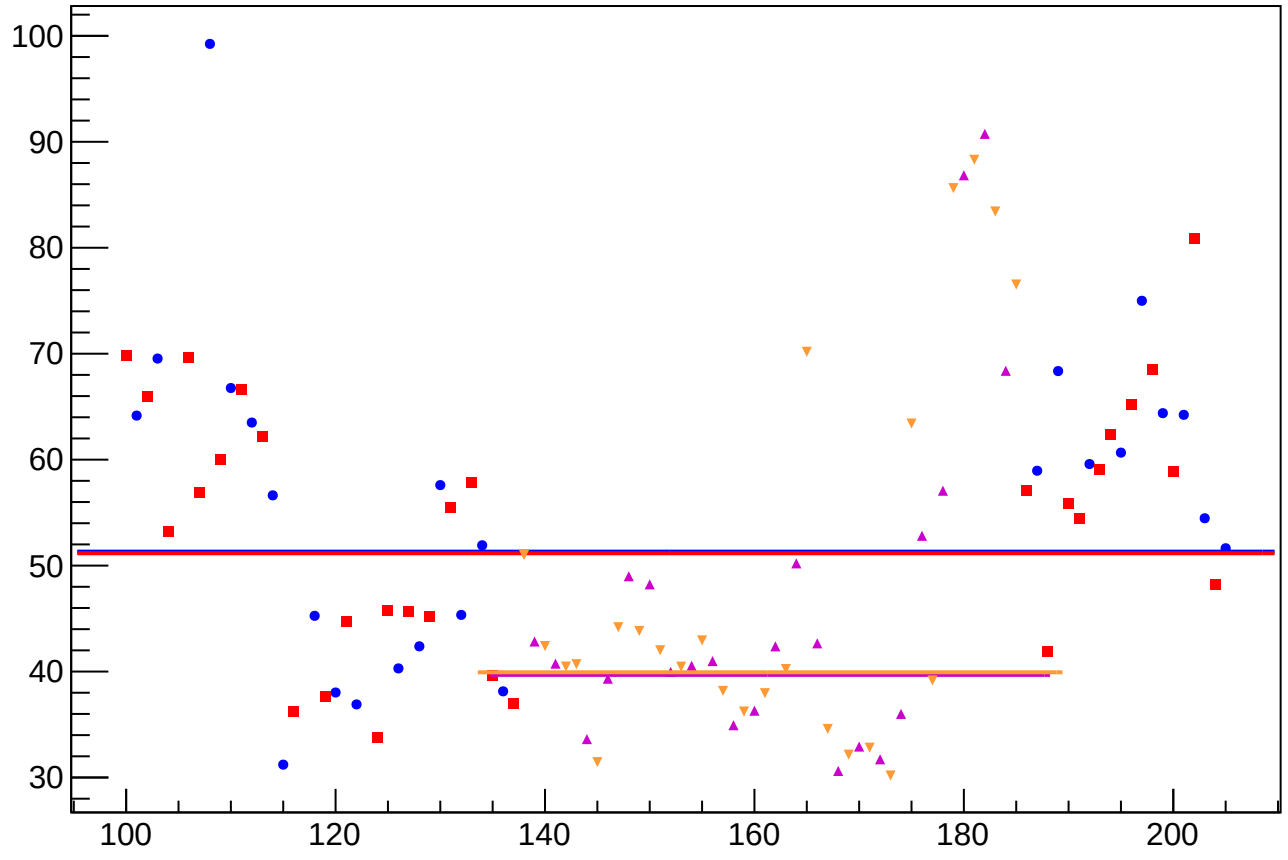
Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 104.1/102

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

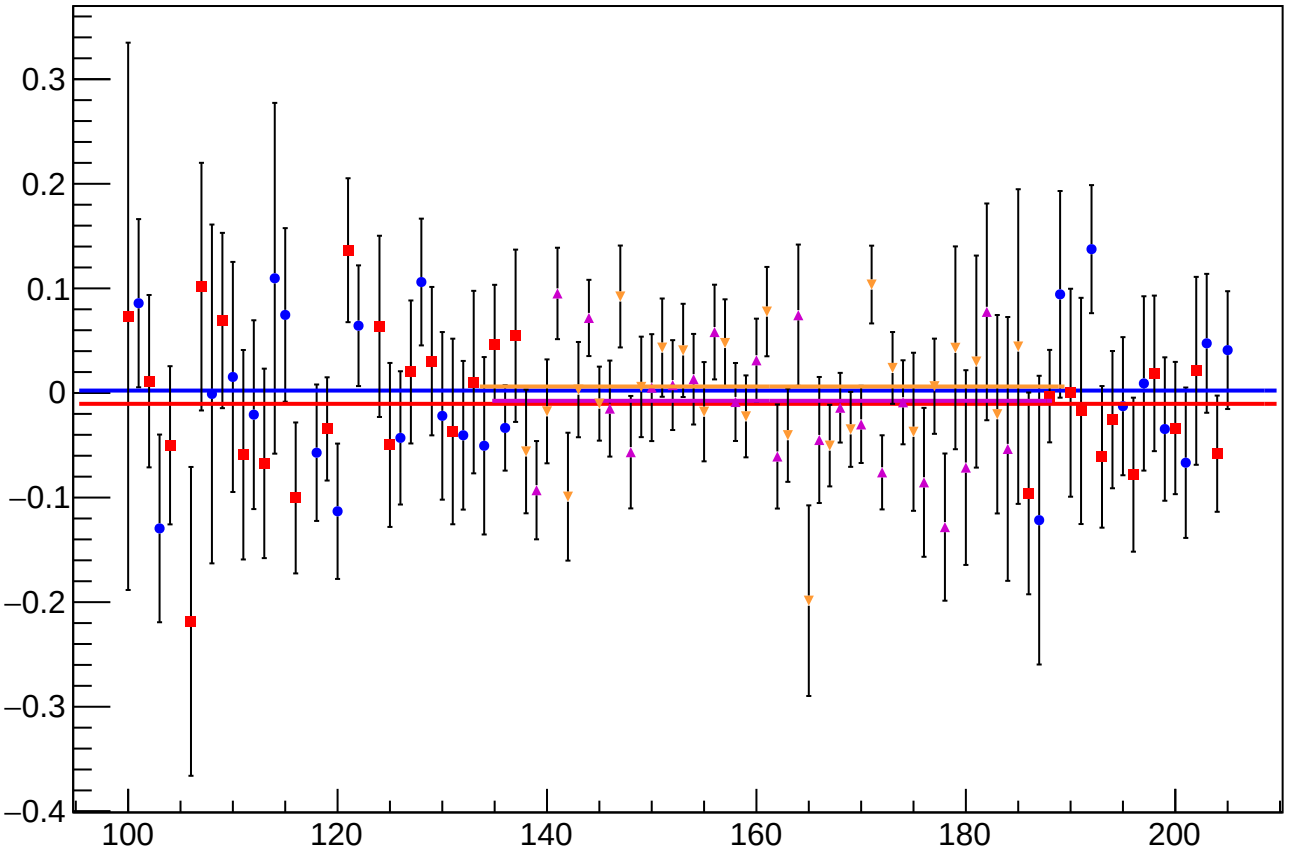
Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858623.8/49

All: 43.503+/-0.004 χ^2/NDF: 9071840.3/102

- sign 43.580+/-0.006 χ^2/NDF: 4212836.4/52



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

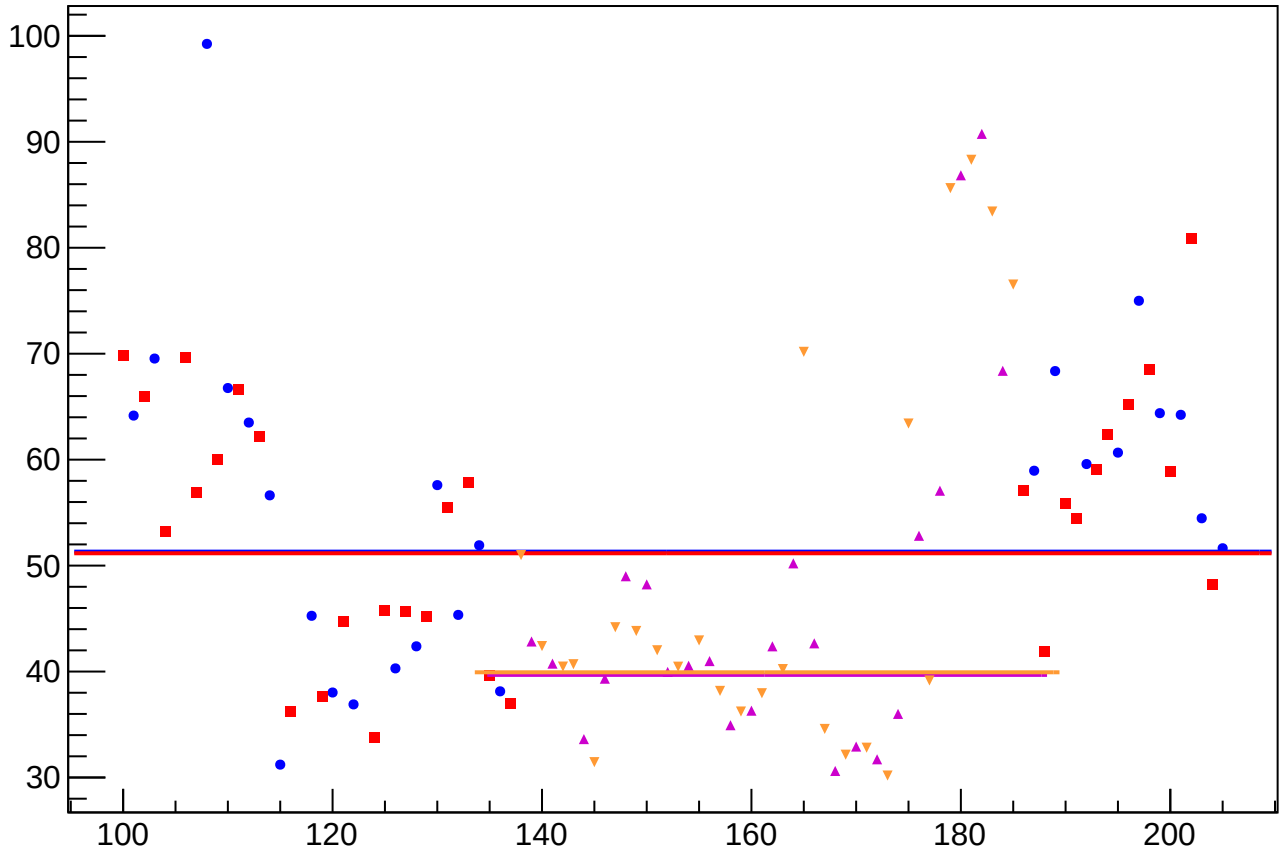
Right Out: -0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 104.1/102

- sign -0.008+/-0.008 χ^2/NDF: 48.4/52



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

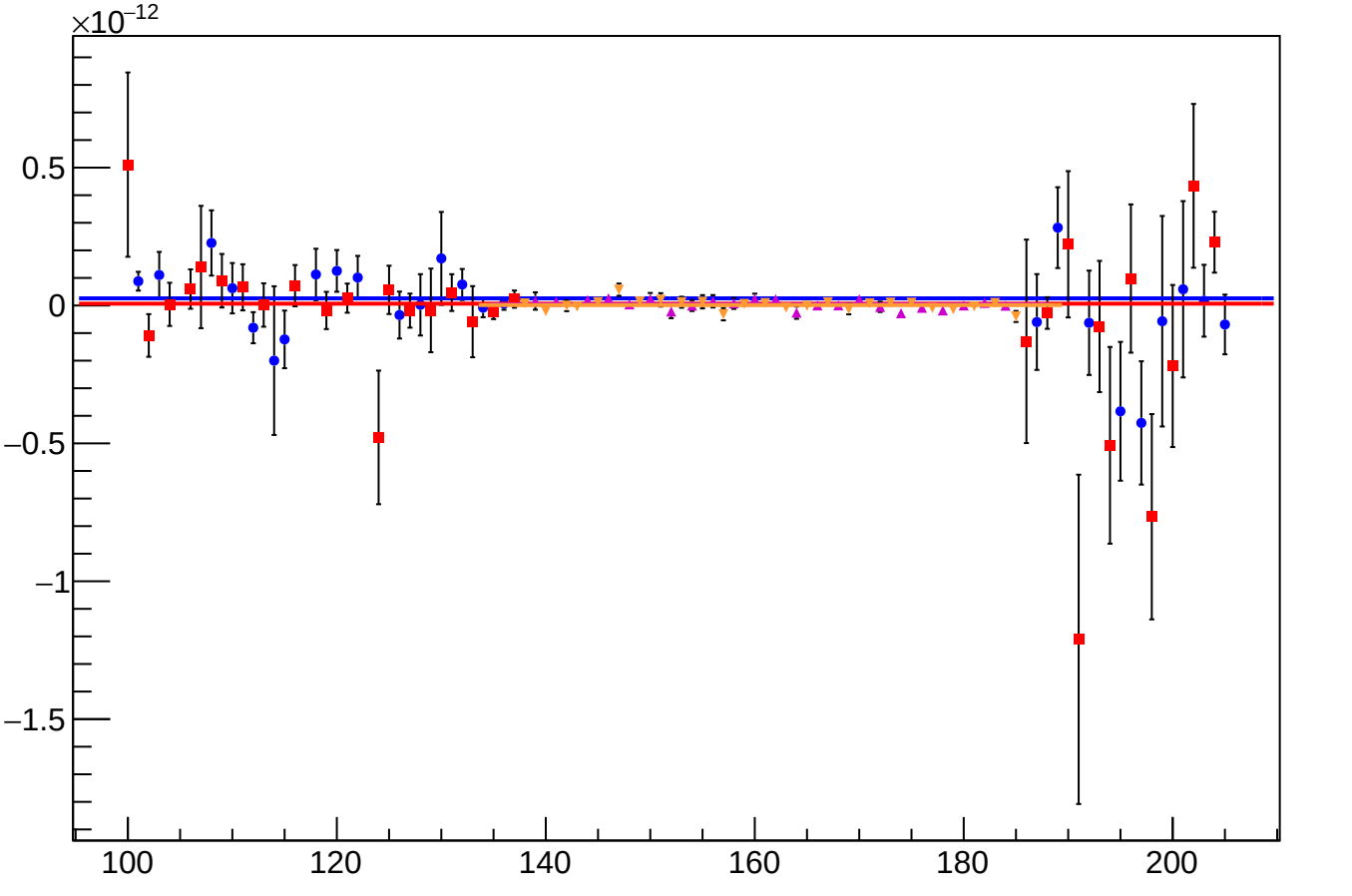
Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858623.8/49

All: 43.503+/-0.004 χ^2/NDF: 9071840.3/102

- sign 43.580+/-0.006 χ^2/NDF: 4212836.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

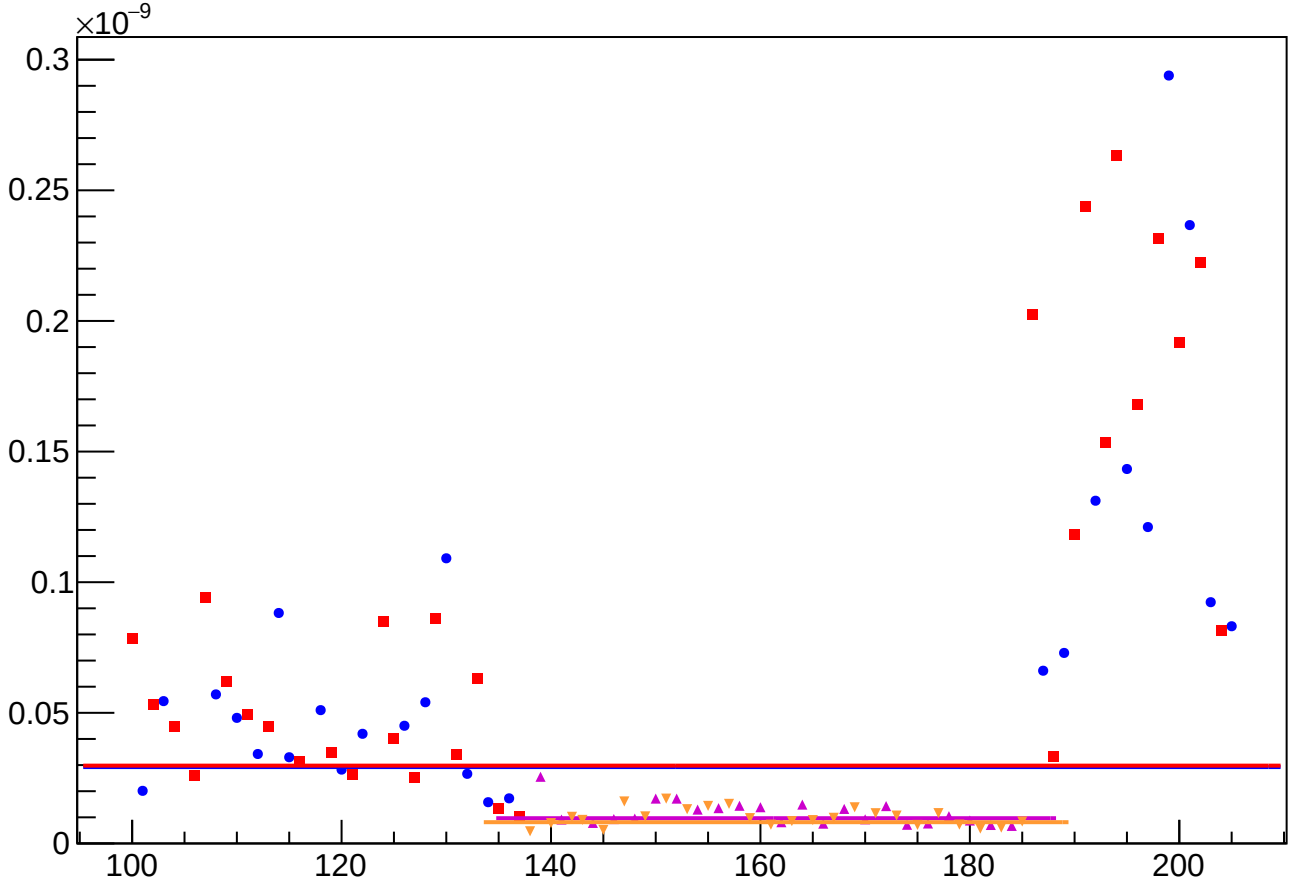
Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/29

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.3/49

All: 0.000+/-0.000 χ^2/NDF: 123.9/102

- sign 0.000+/-0.000 χ^2/NDF: 60.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6658963.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8279923.7/29

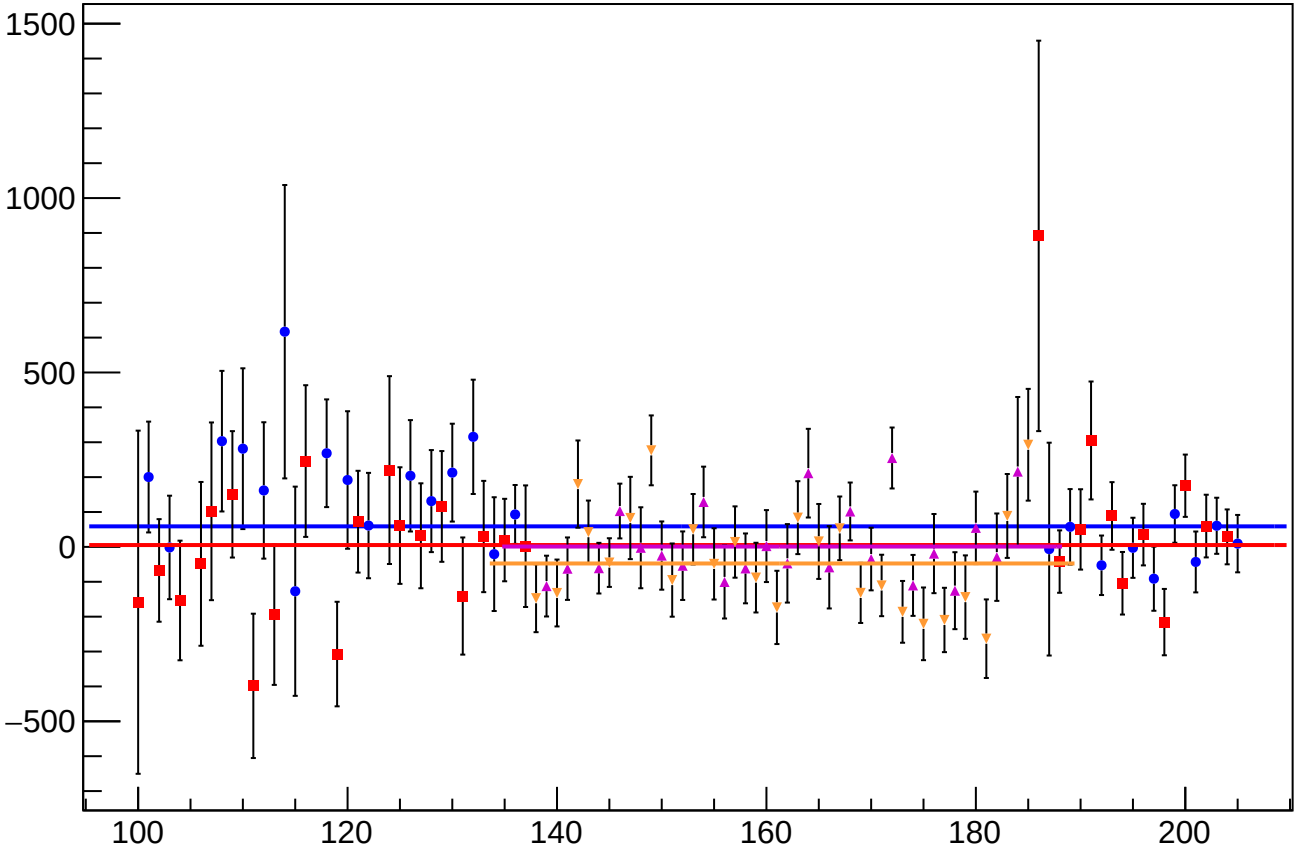
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13967869.7/49

All: 0.000+/-0.000 χ^2/NDF: 28846769.3/102

- sign 0.000+/-0.000 χ^2/NDF: 14505977.1/52

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 58.865+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.303+/-23.968 χ^2/NDF: 32.6/29

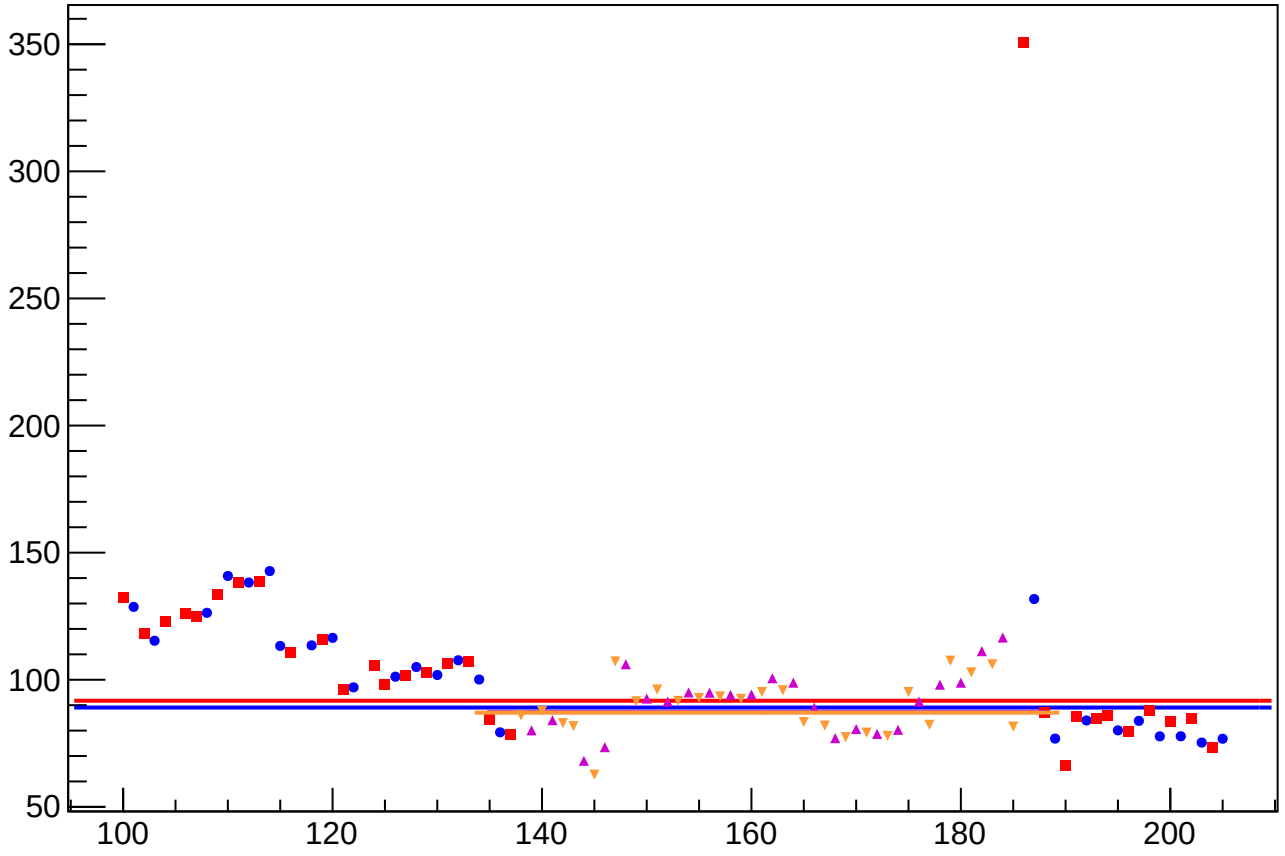
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -4.466+/-15.418 χ^2/NDF: 75.5/49

All: -0.871+/-10.974 χ^2/NDF: 133.7/102

- sign 2.821+/-15.624 χ^2/NDF: 58.1/52

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.4/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

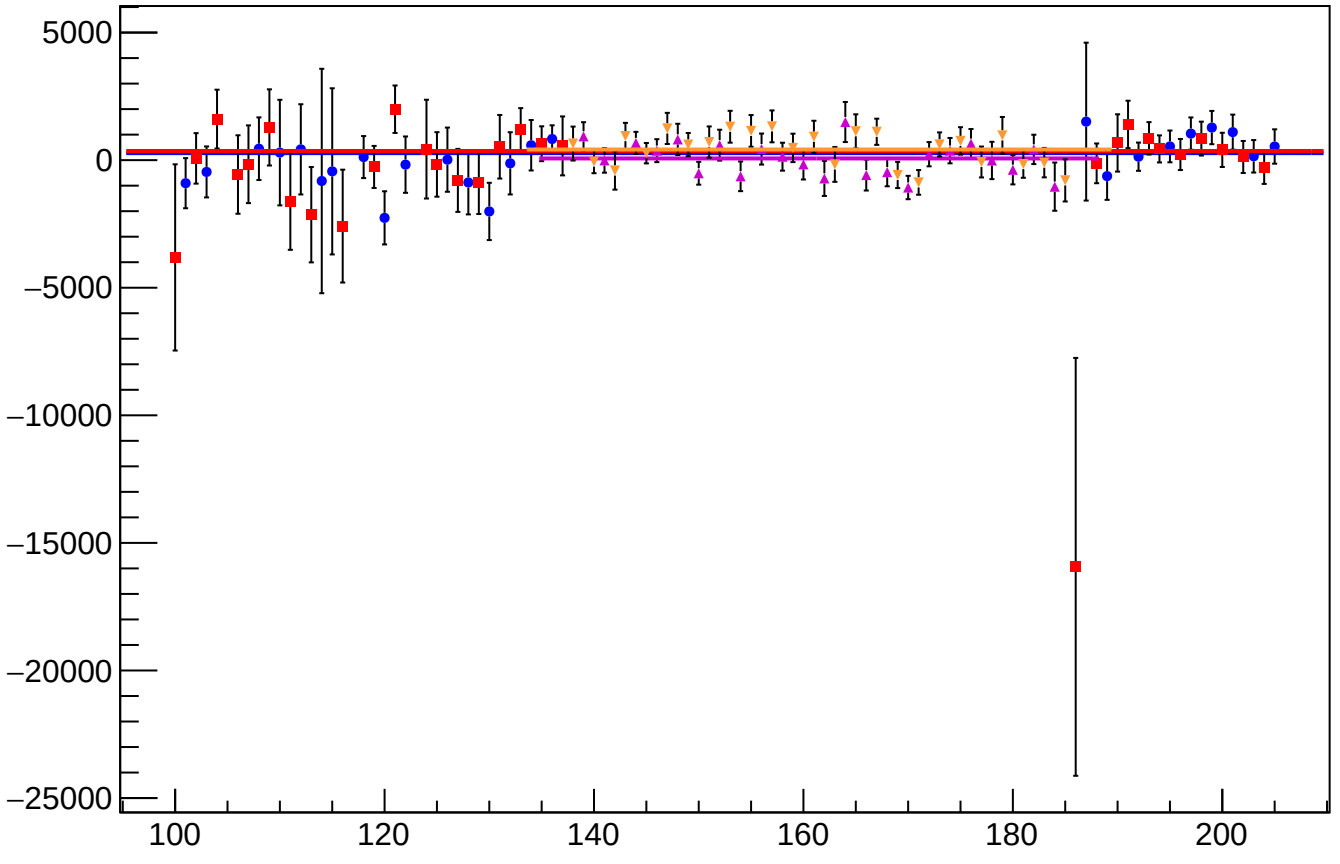
Right Out: 91.745+/-0.017 χ^2/NDF: 1423342.3/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.882+/-0.011 χ^2/NDF: 1639615.5/49

All: 88.514+/-0.008 χ^2/NDF: 3705922.4/102

- sign 89.164+/-0.011 χ^2/NDF: 2059477.7/52



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 359.551+/-167.959 χ^2/NDF: 23.1/29

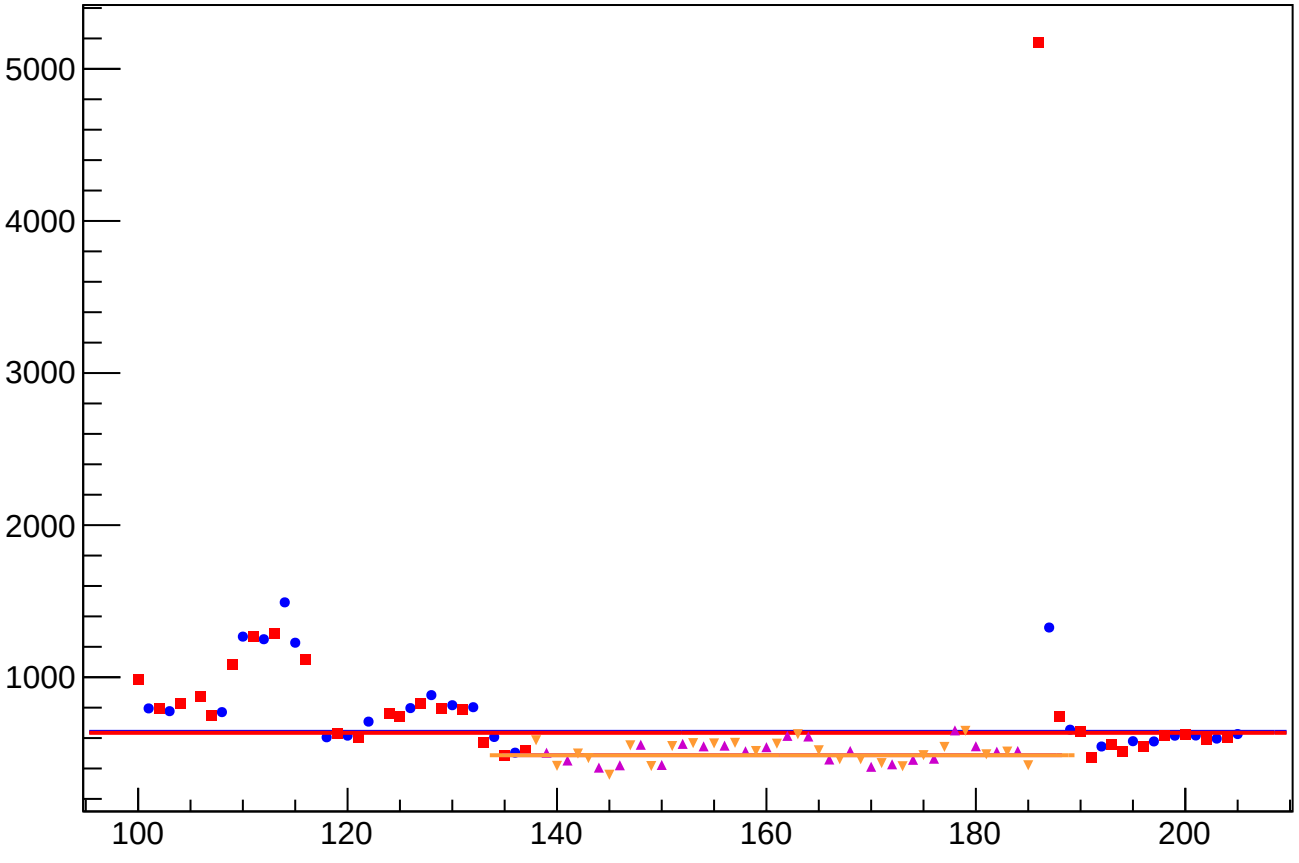
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 375.272+/-94.552 χ^2/NDF: 54.2/49

All: 268.592+/-67.060 χ^2/NDF: 109.4/102

- sign 160.617+/-95.124 χ^2/NDF: 52.6/52

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 640.812+/-0.124 χ^2/NDF: 1218214.9/24

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 634.521+/-0.119 χ^2/NDF: 2110697.3/29

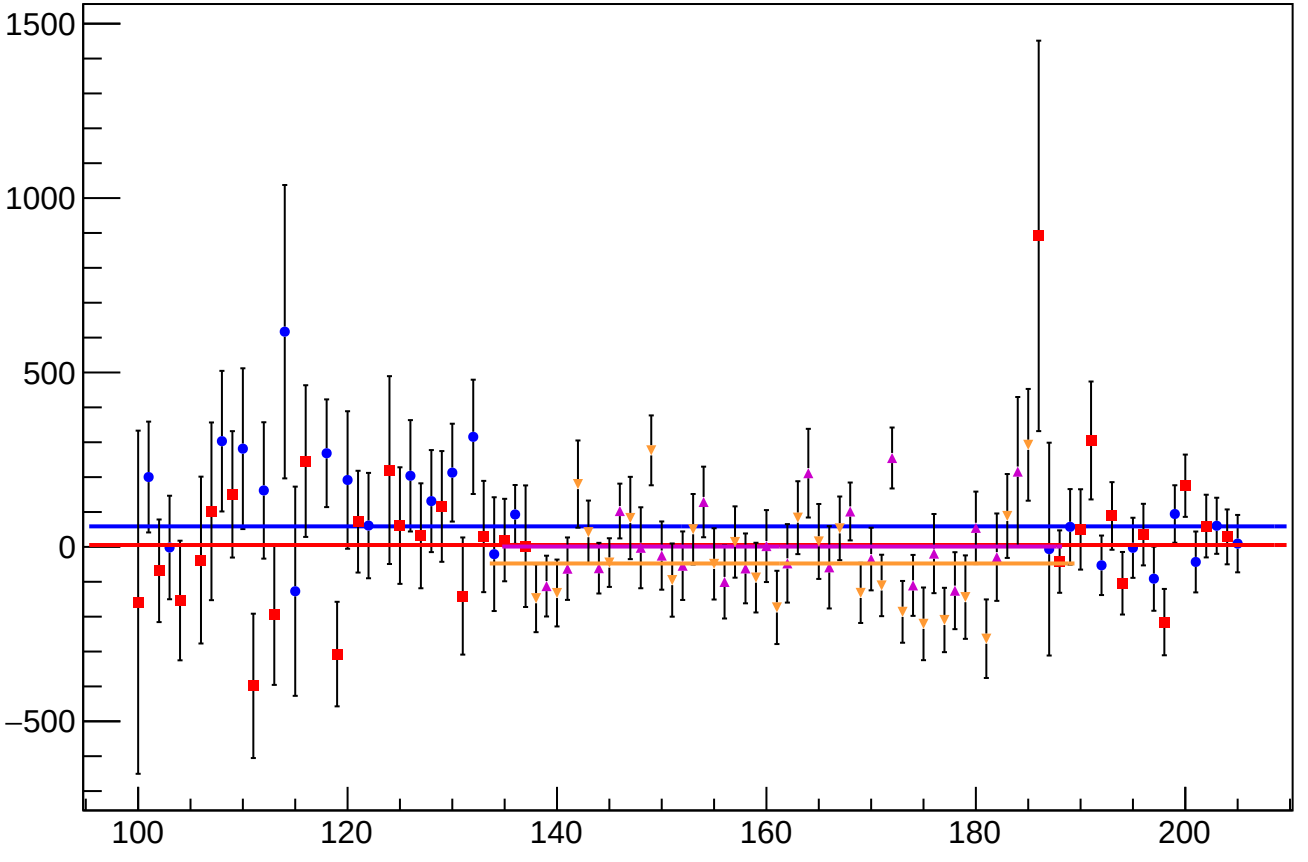
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 531.902+/-0.067 χ^2/NDF: 3131532.8/49

All: 533.417+/-0.047 χ^2/NDF: 6912345.1/102

- sign 534.950+/-0.067 χ^2/NDF: 3779779.7/52

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.407+/-23.972 χ^2/NDF: 32.6/29

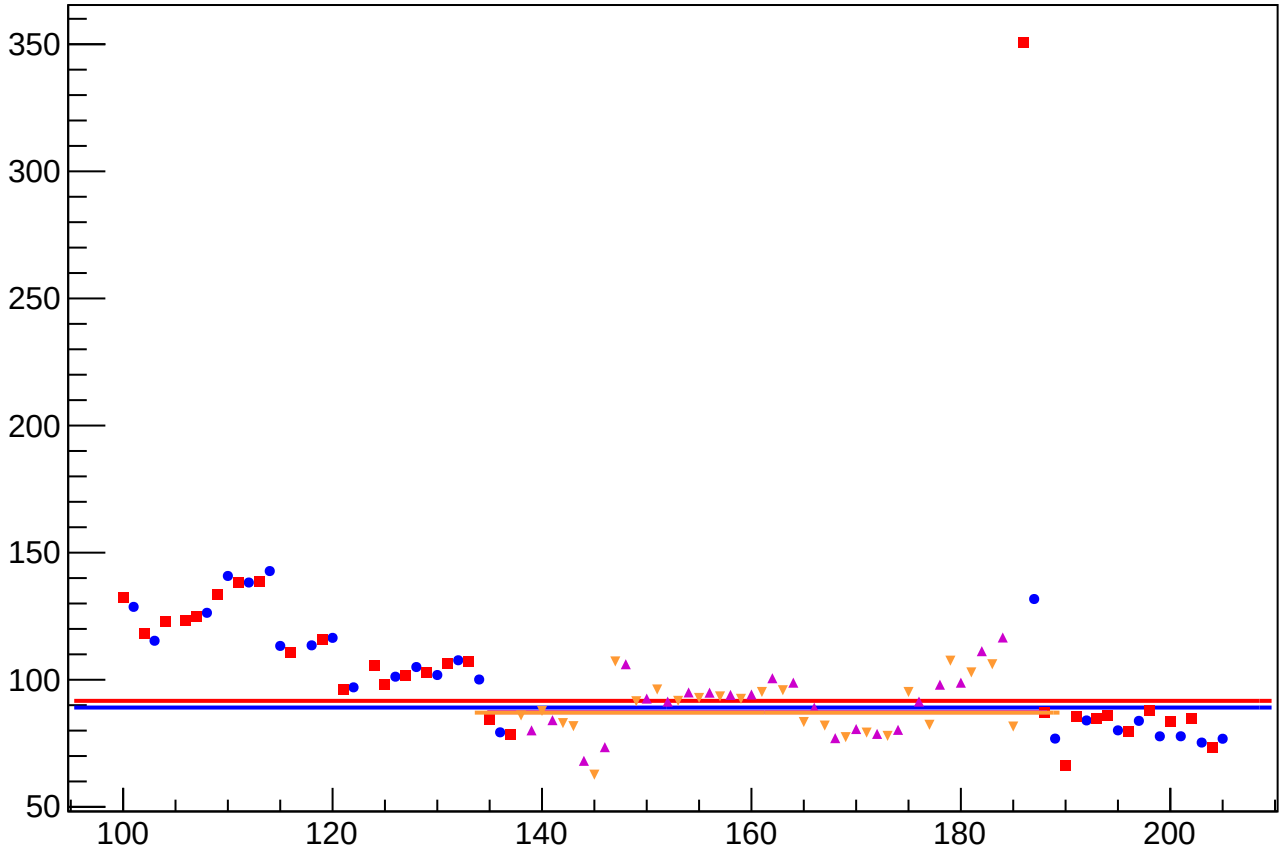
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.474+/-15.418 χ^2/NDF: 75.5/49

All: -0.853+/-10.975 χ^2/NDF: 133.7/102

- sign 2.865+/-15.625 χ^2/NDF: 58.1/52

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

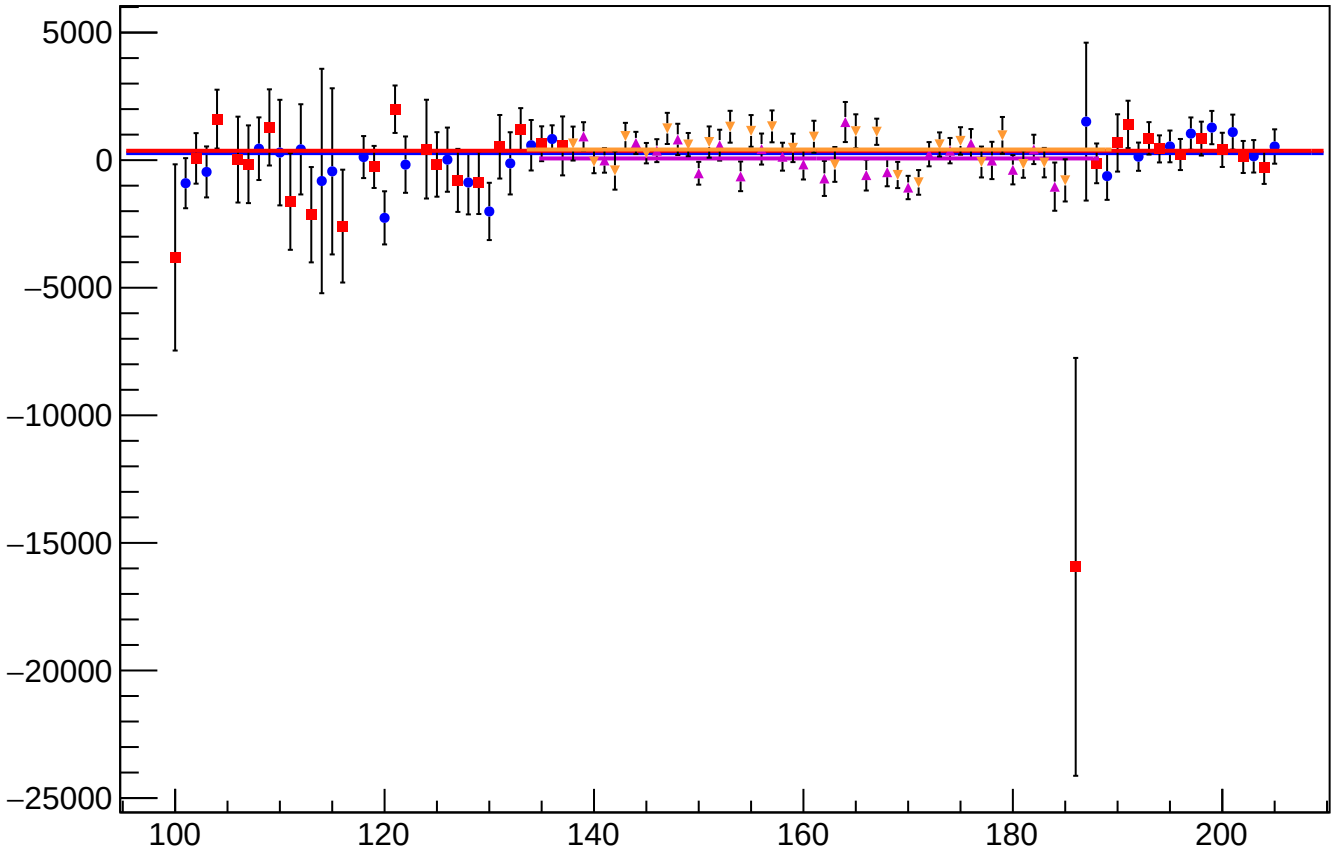
Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.882+/-0.011 χ^2/NDF: 1639615.9/49

All: 88.505+/-0.008 χ^2/NDF: 3697064.0/102

- sign 89.146+/-0.011 χ^2/NDF: 2050807.8/52



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 367.208+/-168.128 χ^2/NDF: 22.7/29

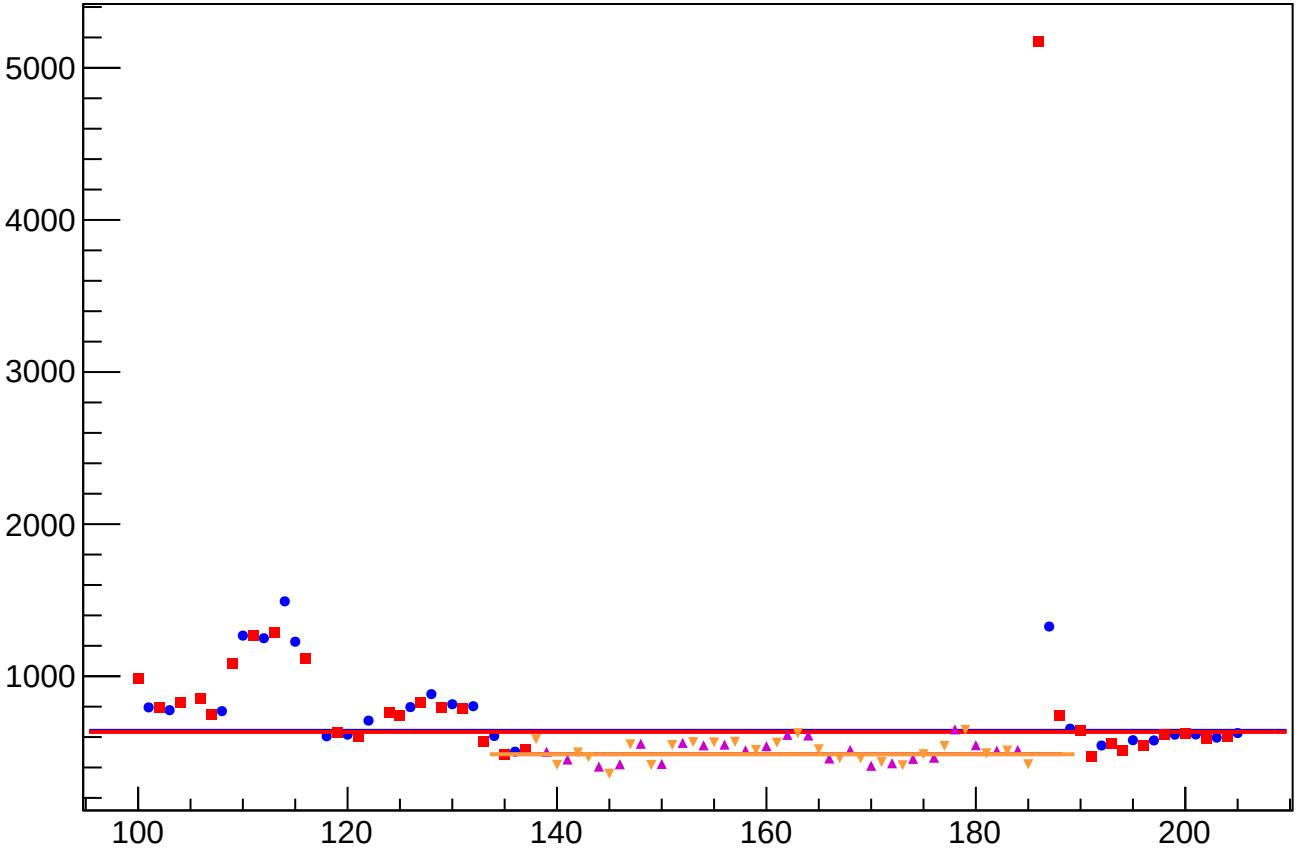
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 375.266+/-94.552 χ^2/NDF: 54.2/49

All: 269.778+/-67.070 χ^2/NDF: 109.1/102

- sign 162.940+/-95.155 χ^2/NDF: 52.4/52

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

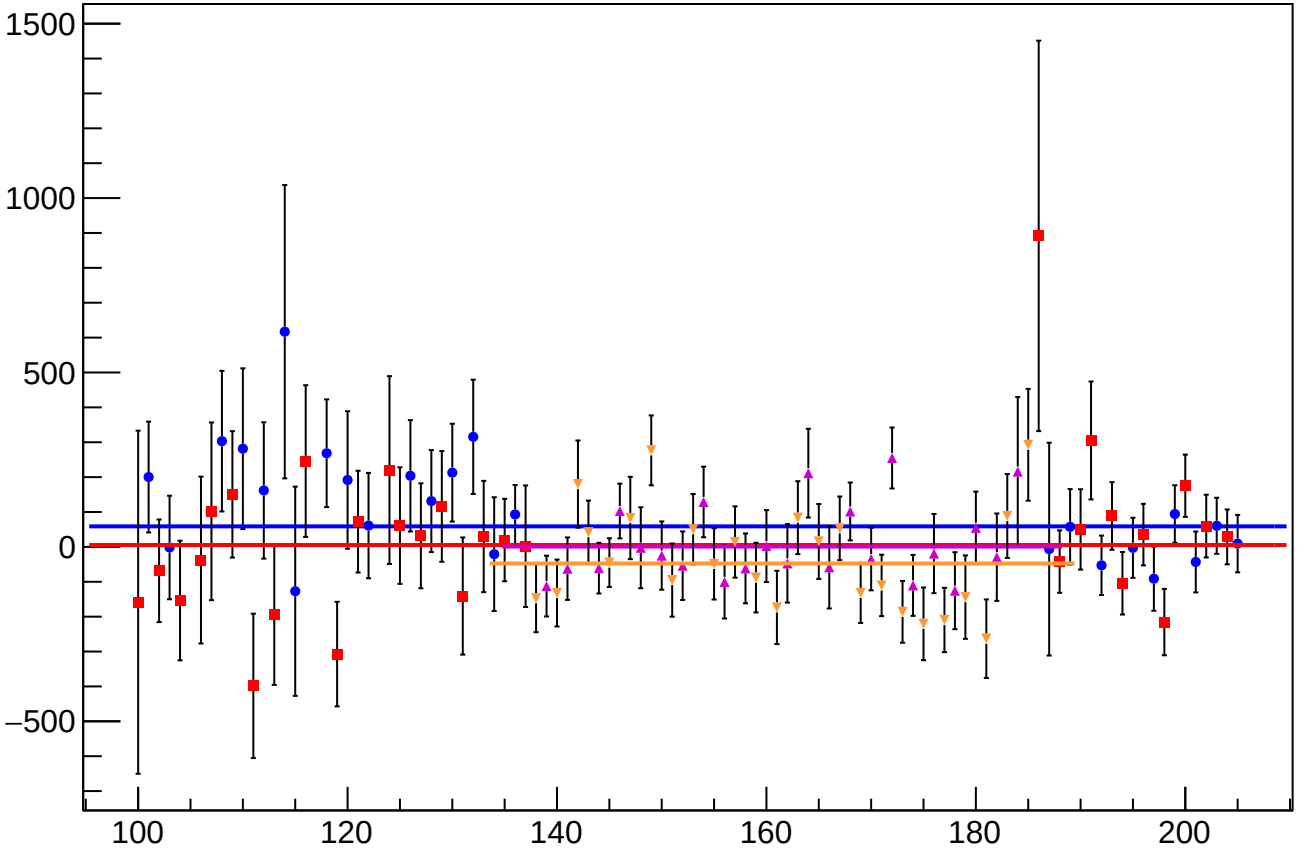
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 531.902+/-0.067 χ^2/NDF: 3131538.5/49

All: 533.278+/-0.047 χ^2/NDF: 6886916.7/102

- sign 534.671+/-0.067 χ^2/NDF: 3754526.1/52

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 5.407+/-23.972 χ^2/NDF: 32.6/29

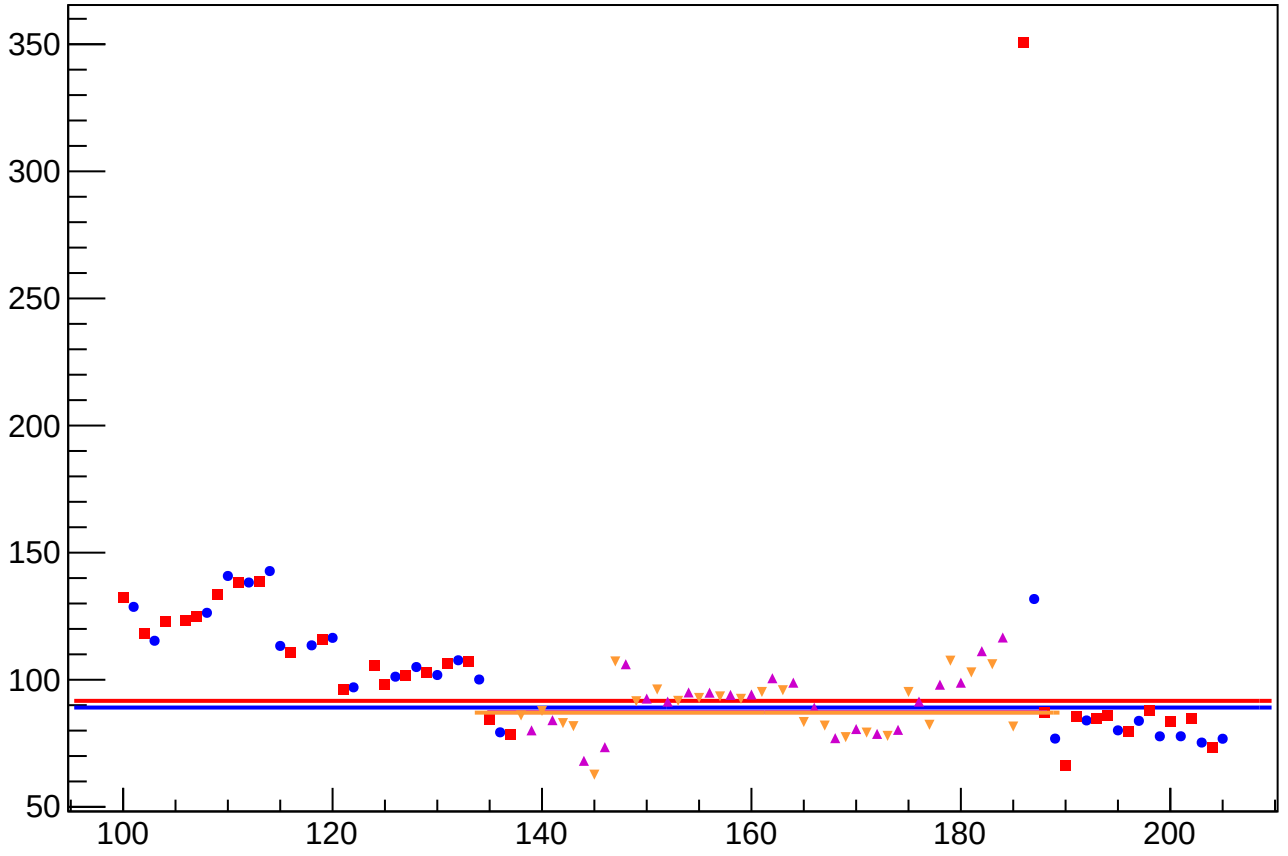
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.474+/-15.418 χ^2/NDF: 75.5/49

All: -0.853+/-10.975 χ^2/NDF: 133.7/102

- sign 2.865+/-15.625 χ^2/NDF: 58.1/52

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

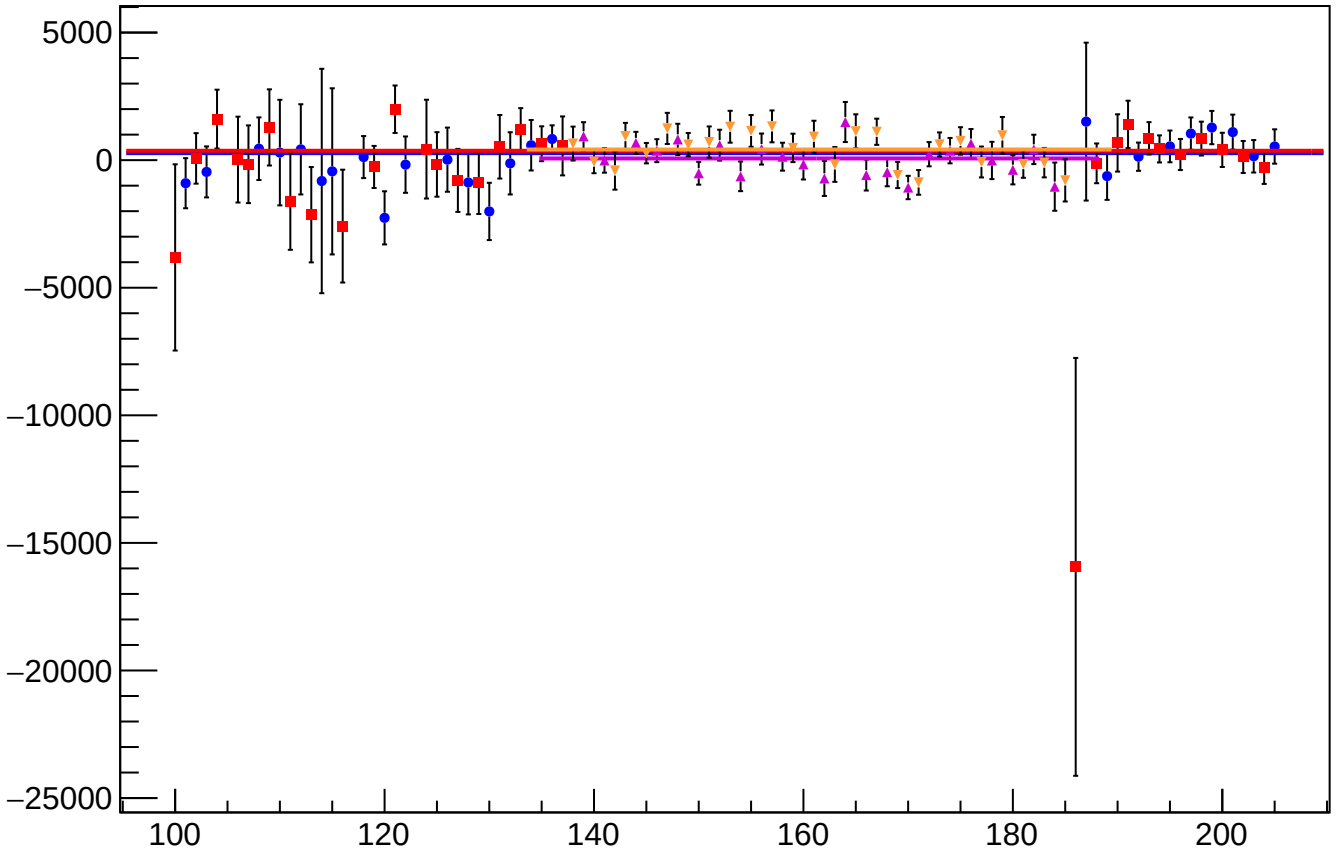
Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.882+/-0.011 χ^2/NDF: 1639615.9/49

All: 88.505+/-0.008 χ^2/NDF: 3697064.0/102

- sign 89.146+/-0.011 χ^2/NDF: 2050807.8/52



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

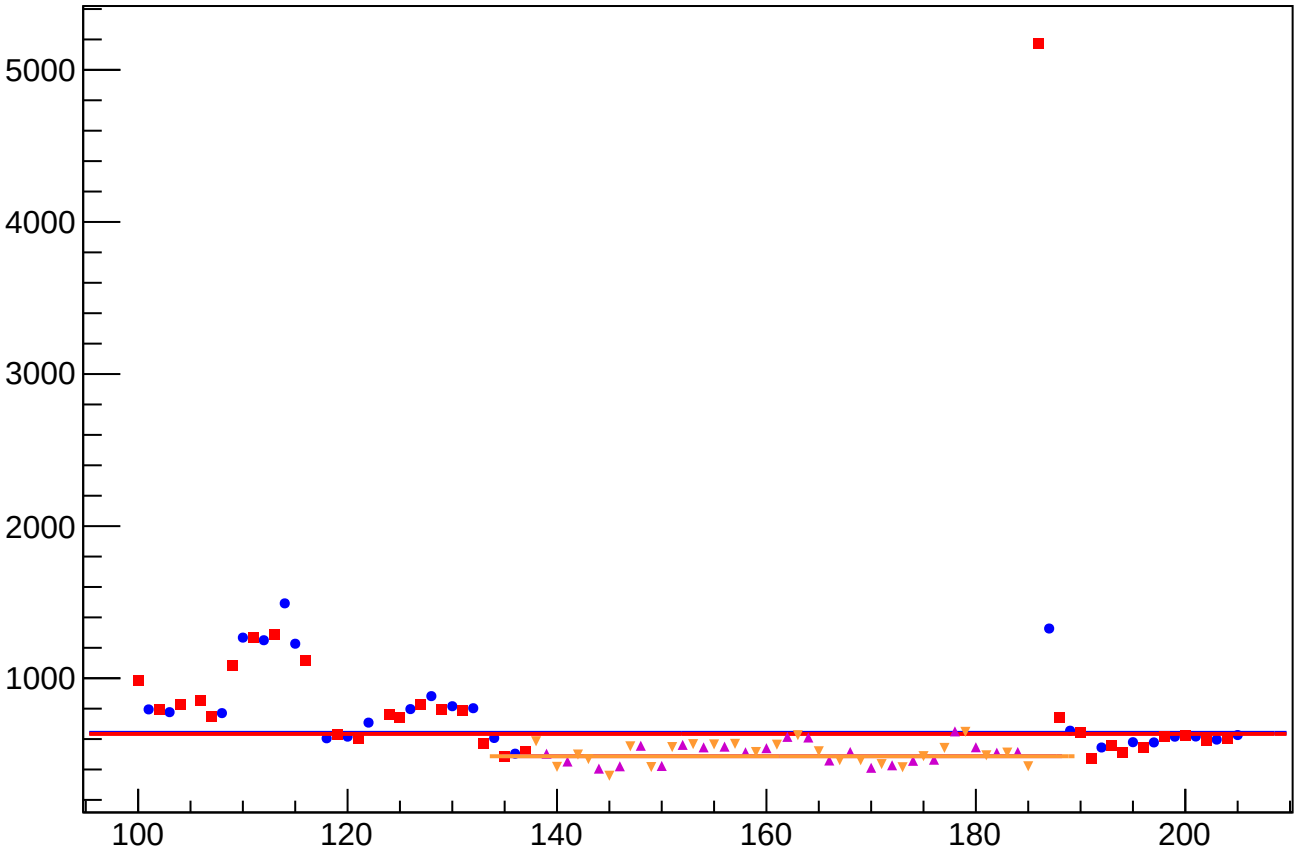
Right Out: 367.208+/-168.128 χ^2/NDF: 22.7/29

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 375.266+/-94.552 χ^2/NDF: 54.2/49

All: 269.778+/-67.070 χ^2/NDF: 109.1/102

- sign 162.940+/-95.155 χ^2/NDF: 52.4/52



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

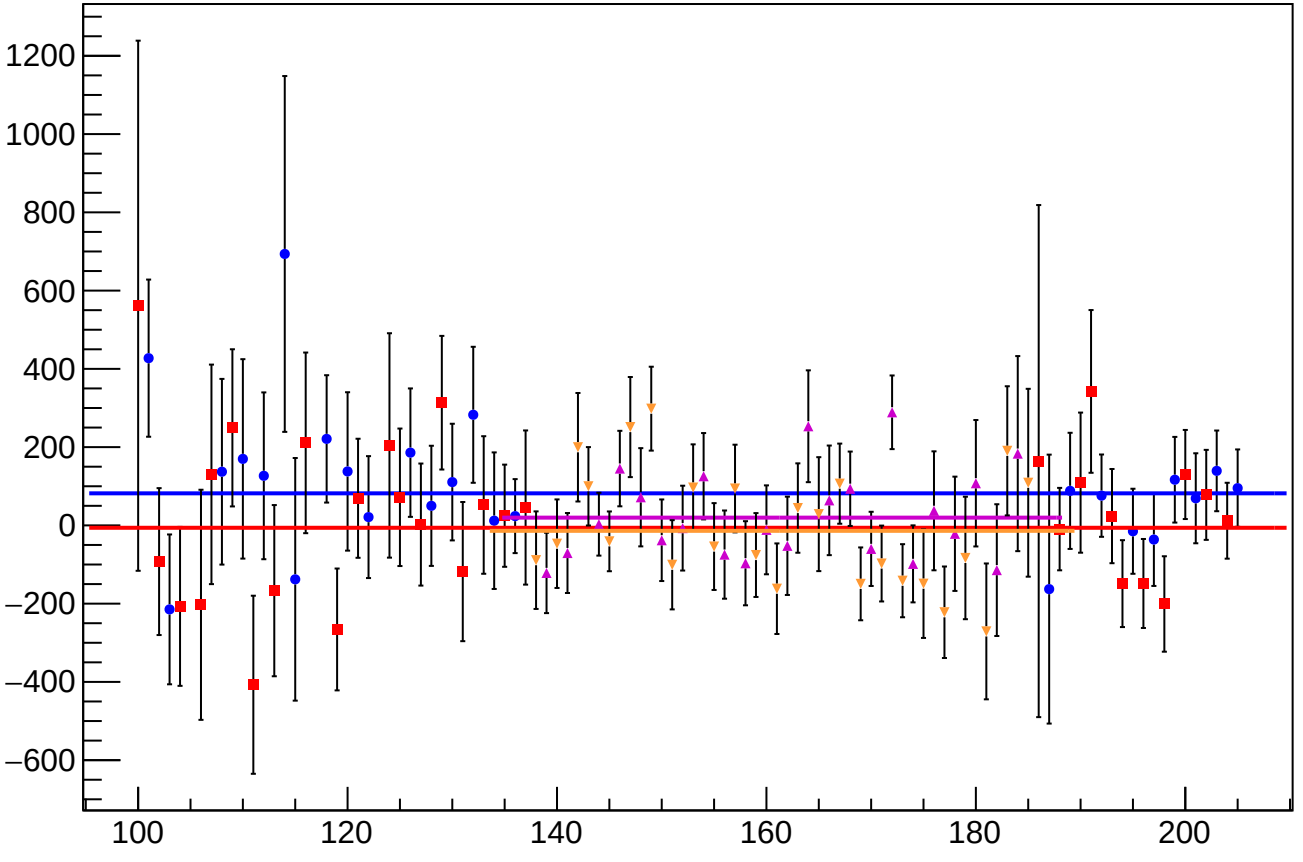
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 531.902+/-0.067 χ^2/NDF: 3131538.5/49

All: 533.278+/-0.047 χ^2/NDF: 6886916.7/102

- sign 534.671+/-0.067 χ^2/NDF: 3754526.1/52

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 81.920+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -6.100+/-28.674 χ^2/NDF: 27.8/29

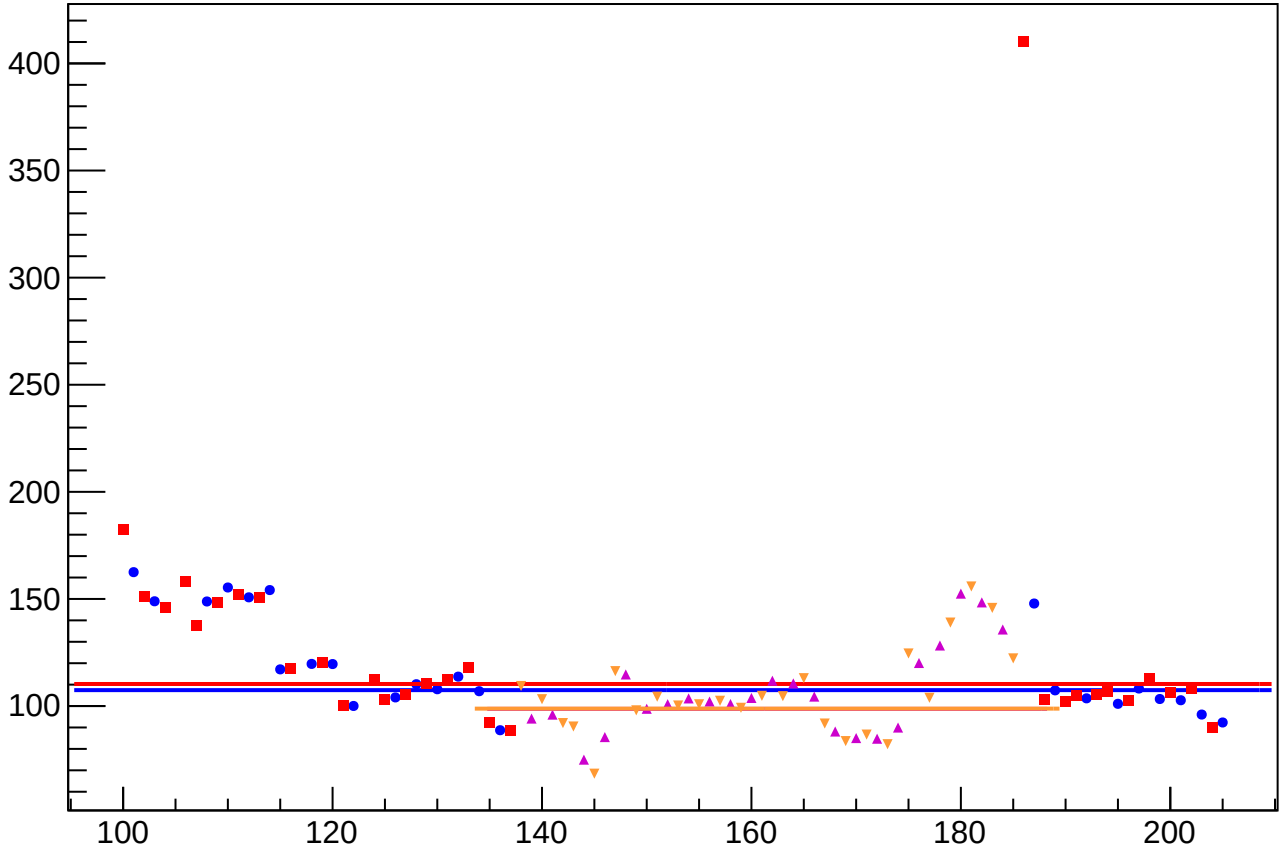
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 22.830+/-17.995 χ^2/NDF: 57.0/49

All: 16.174+/-12.799 χ^2/NDF: 108.9/102

- sign 9.359+/-18.209 χ^2/NDF: 51.6/52

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 107.432+/-0.021 χ^2/NDF: 701736.6/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 110.301+/-0.020 χ^2/NDF: 1091950.5/29

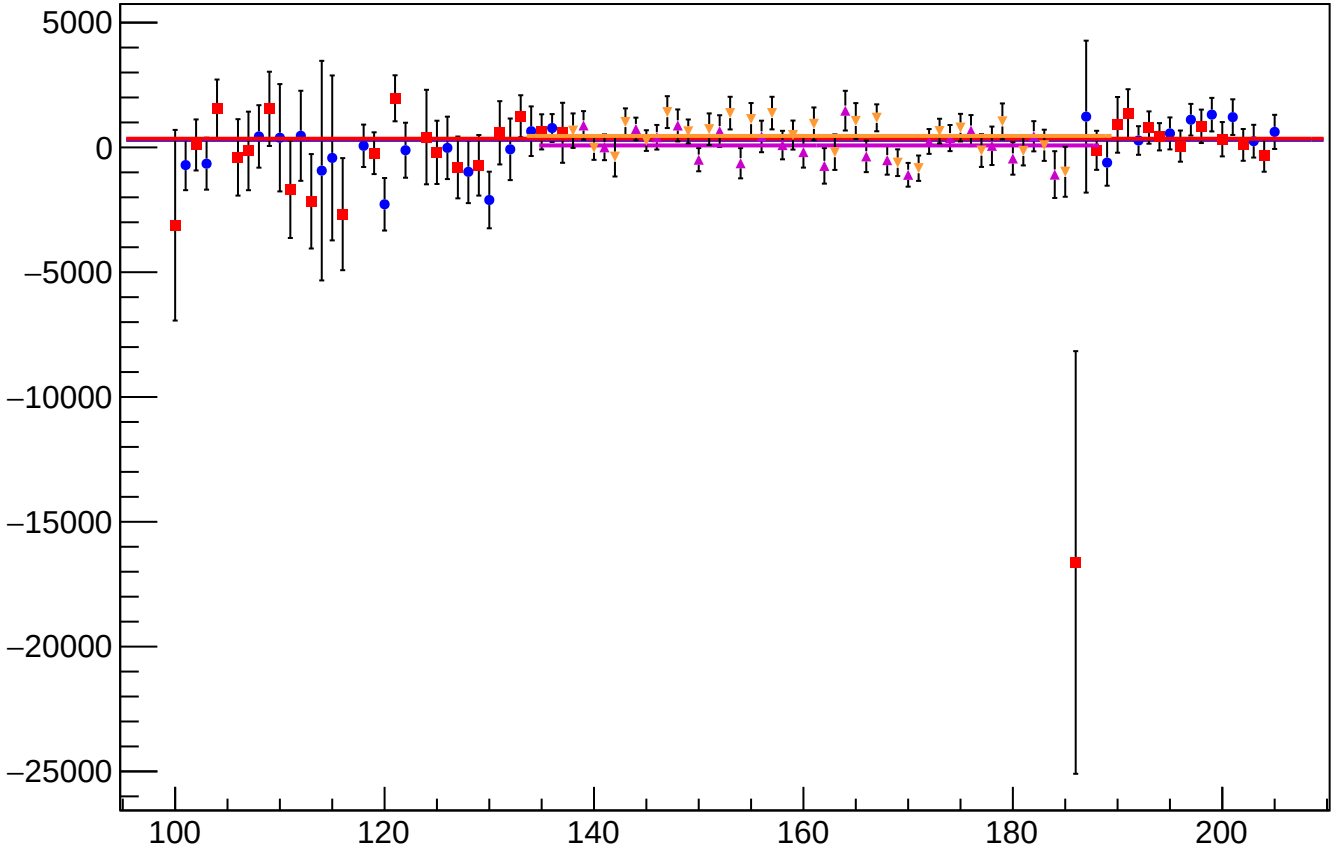
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.108+/-0.013 χ^2/NDF: 1996371.1/49

All: 102.728+/-0.009 χ^2/NDF: 4277208.8/102

- sign 103.362+/-0.013 χ^2/NDF: 2276043.0/52

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 304.092+/-179.196 χ^2/NDF: 21.8/24

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 346.874+/-170.869 χ^2/NDF: 22.4/29

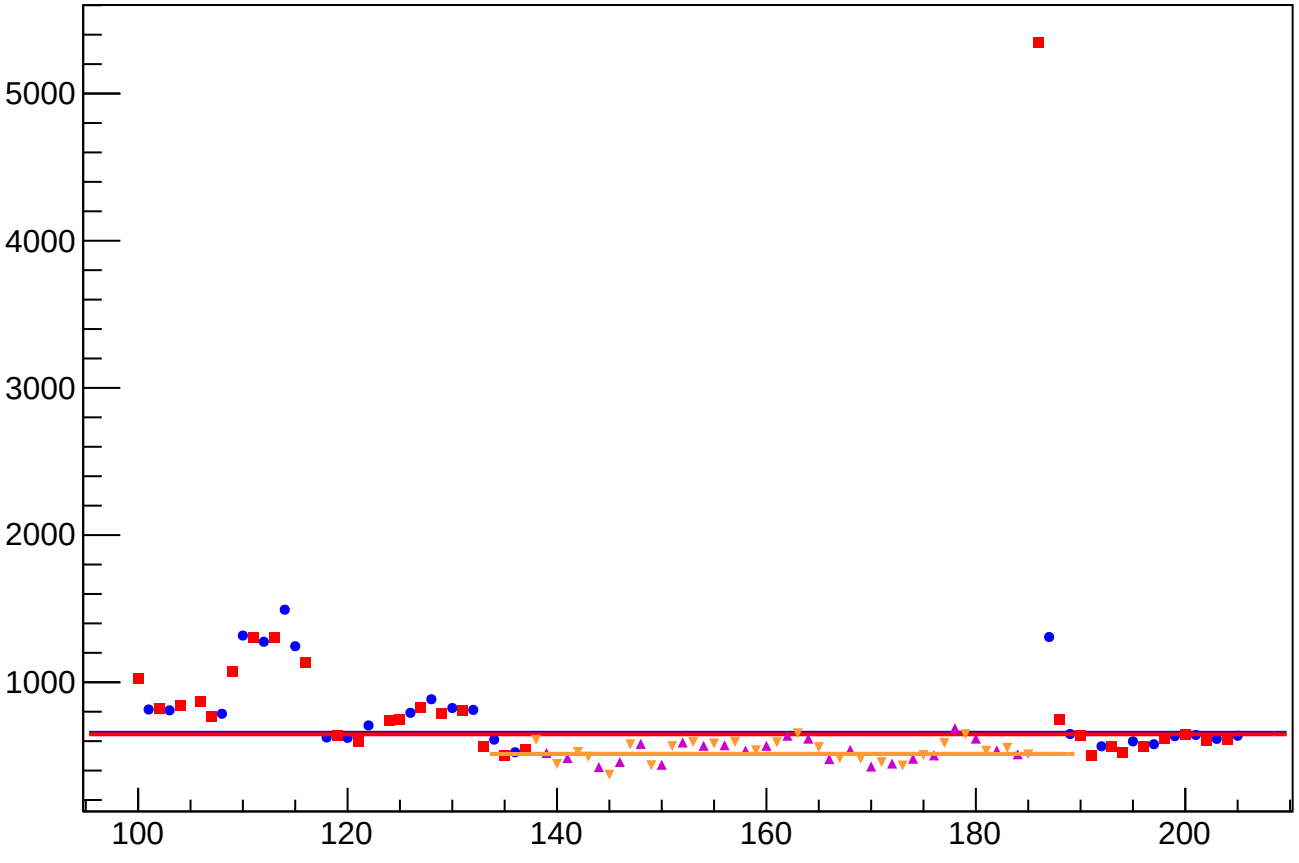
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 412.149+/-98.617 χ^2/NDF: 53.1/49

All: 290.906+/-69.862 χ^2/NDF: 106.3/102

- sign 168.757+/-98.985 χ^2/NDF: 50.2/52

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 656.609+/-0.127 χ^2/NDF: 1167585.9/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 646.537+/-0.121 χ^2/NDF: 2045196.5/29

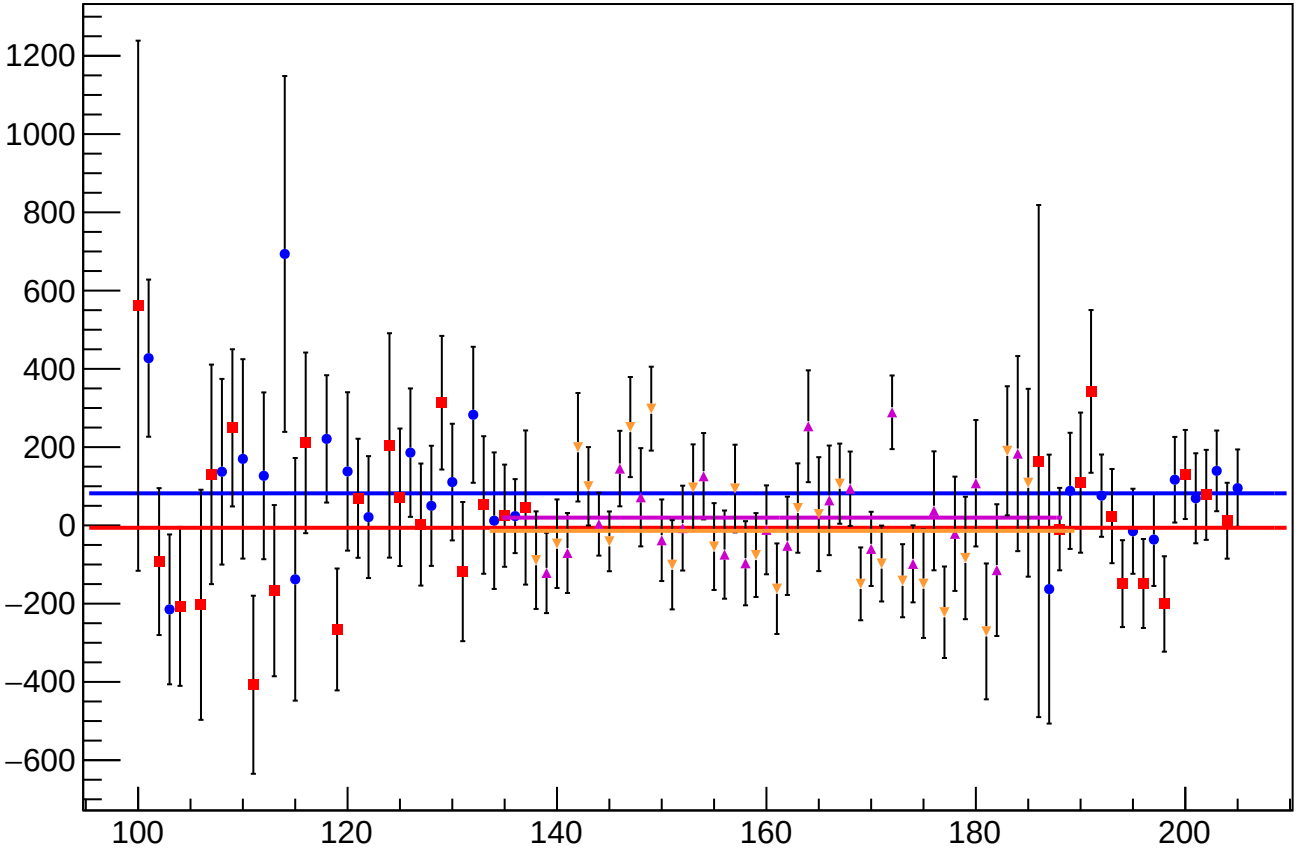
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 556.332+/-0.070 χ^2/NDF: 2865200.9/49

All: 557.194+/-0.049 χ^2/NDF: 6351765.3/102

- sign 558.063+/-0.070 χ^2/NDF: 3486257.7/52

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 81.919+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -6.101+/-28.674 χ^2/NDF: 27.8/29

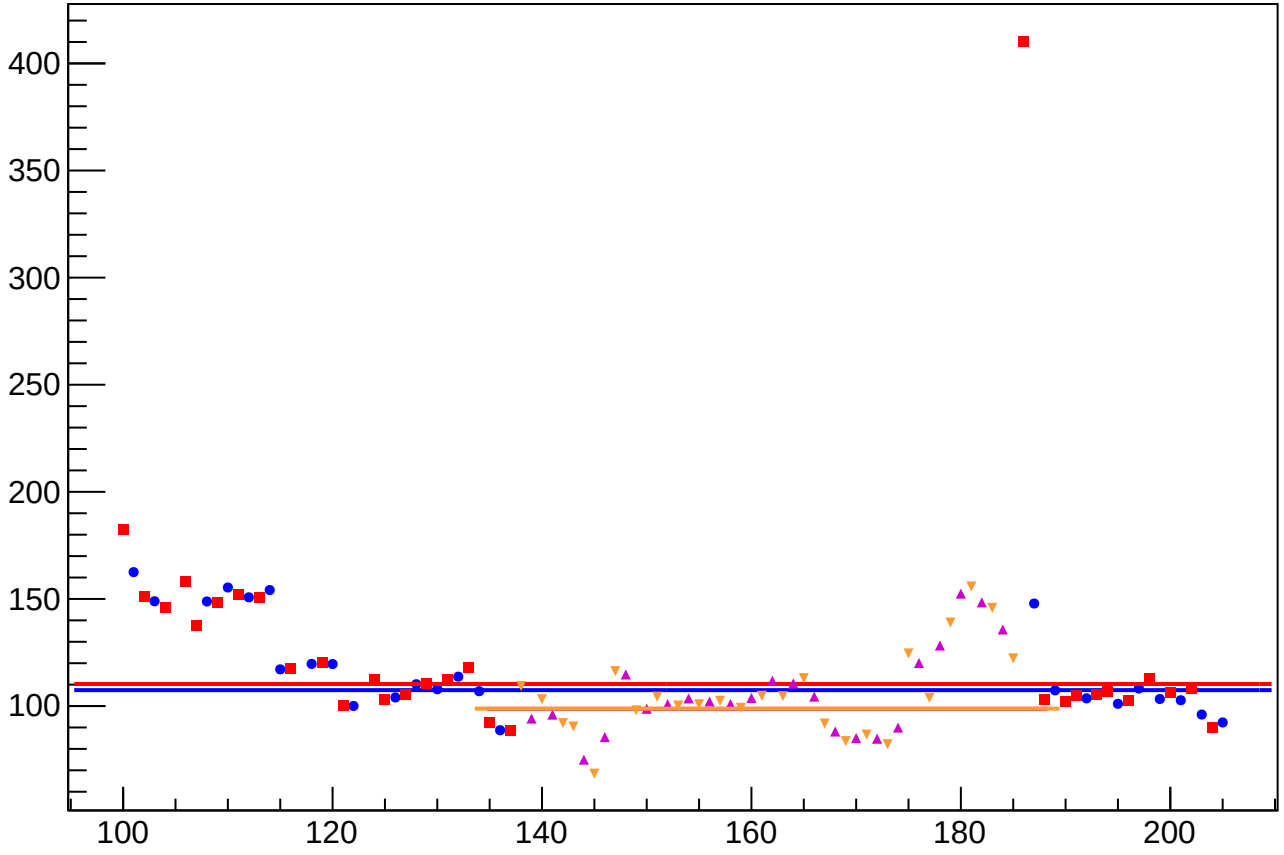
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 22.829+/-17.995 χ^2/NDF: 57.0/49

All: 16.173+/-12.799 χ^2/NDF: 108.9/102

- sign 9.359+/-18.209 χ^2/NDF: 51.6/52

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 107.433+/-0.021 χ^2/NDF: 701726.0/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

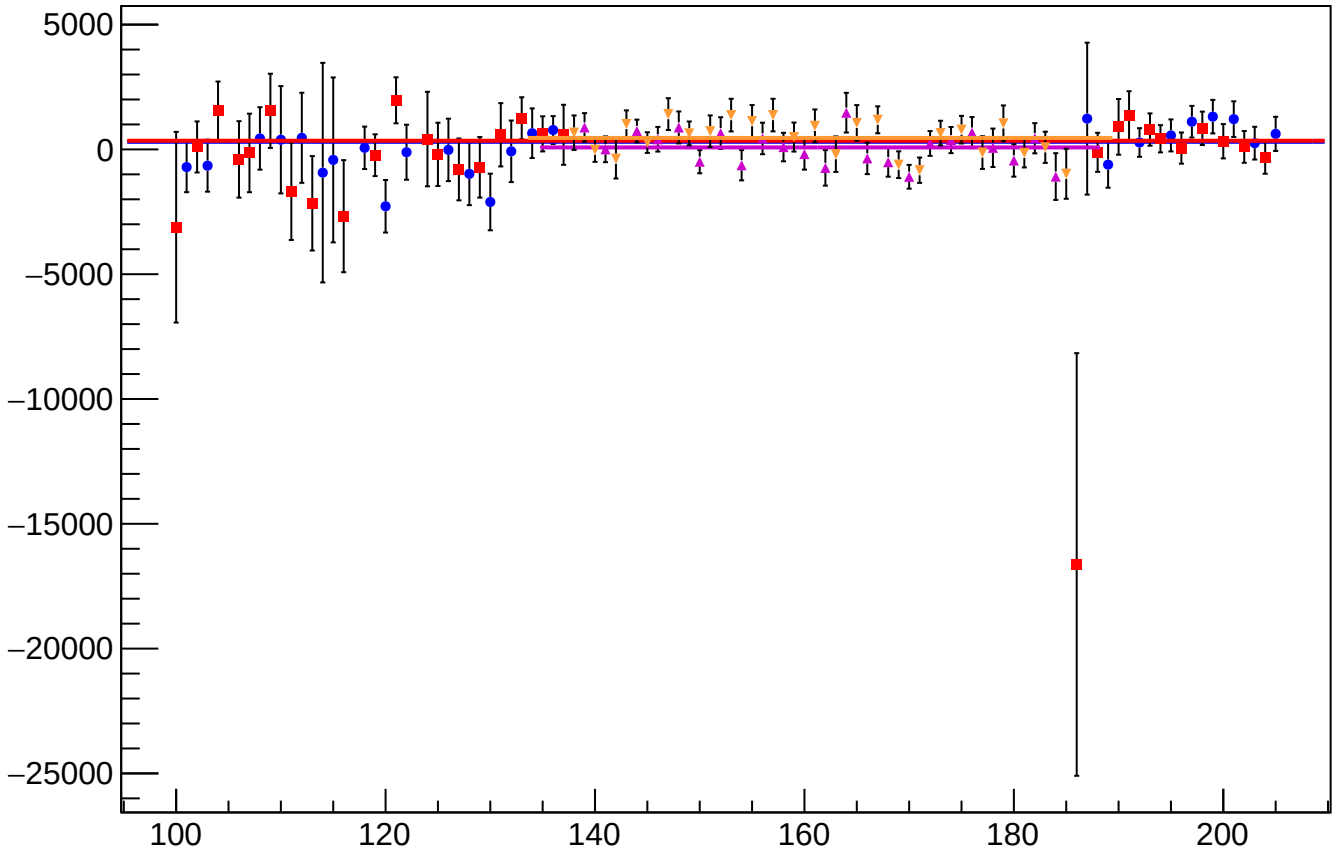
Right Out: 110.301+/-0.020 χ^2/NDF: 1091937.2/29

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.108+/-0.013 χ^2/NDF: 1996367.9/49

All: 102.728+/-0.009 χ^2/NDF: 4277186.9/102

- sign 103.362+/-0.013 χ^2/NDF: 2276024.1/52



Right In: 304.092+/-179.195 χ^2/NDF: 21.8/24

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: 346.873+/-170.869 χ^2/NDF: 22.4/29

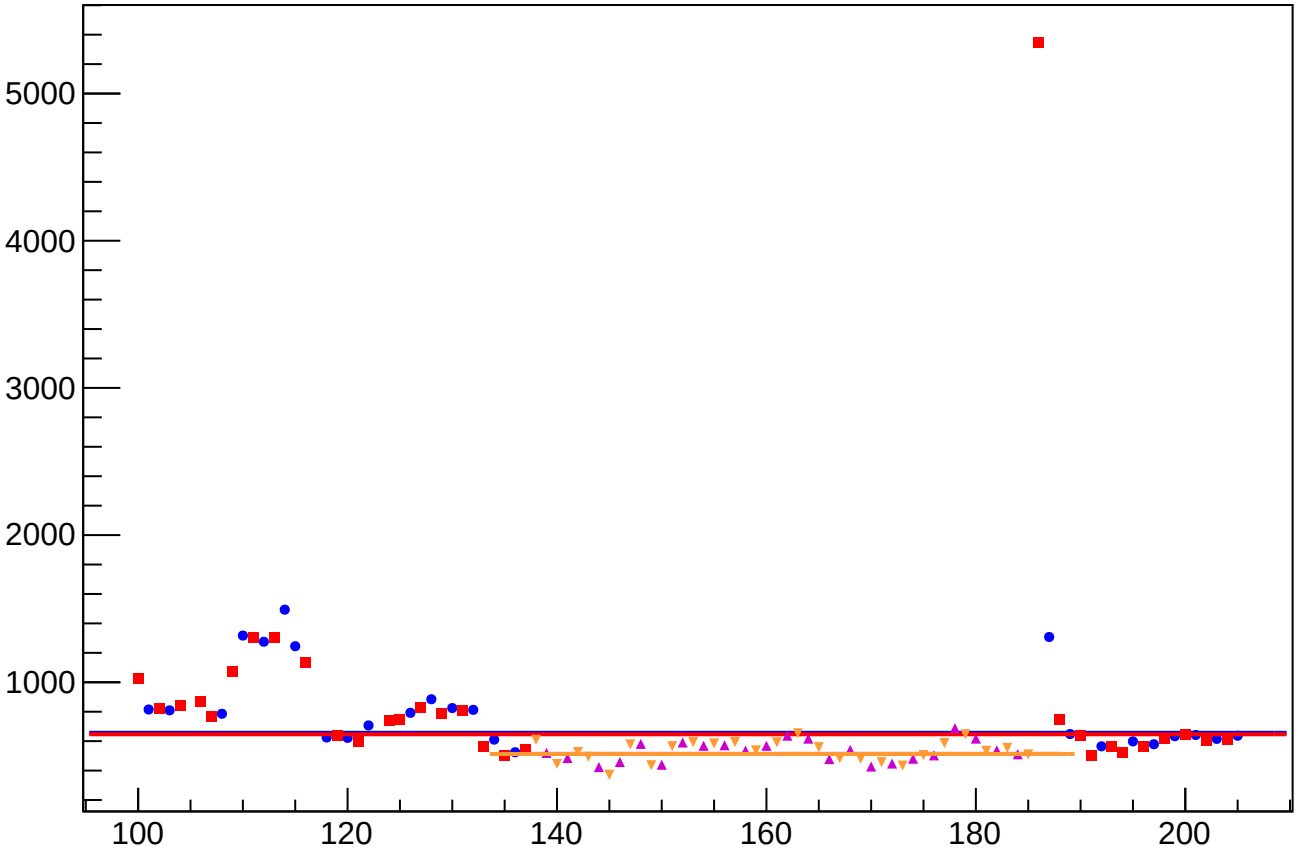
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 412.148+/-98.617 χ^2/NDF: 53.1/49

All: 290.905+/-69.862 χ^2/NDF: 106.3/102

- sign 168.756+/-98.984 χ^2/NDF: 50.2/52

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 656.608+/-0.127 χ^2/NDF: 1167584.8/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 646.536+/-0.121 χ^2/NDF: 2045194.4/29

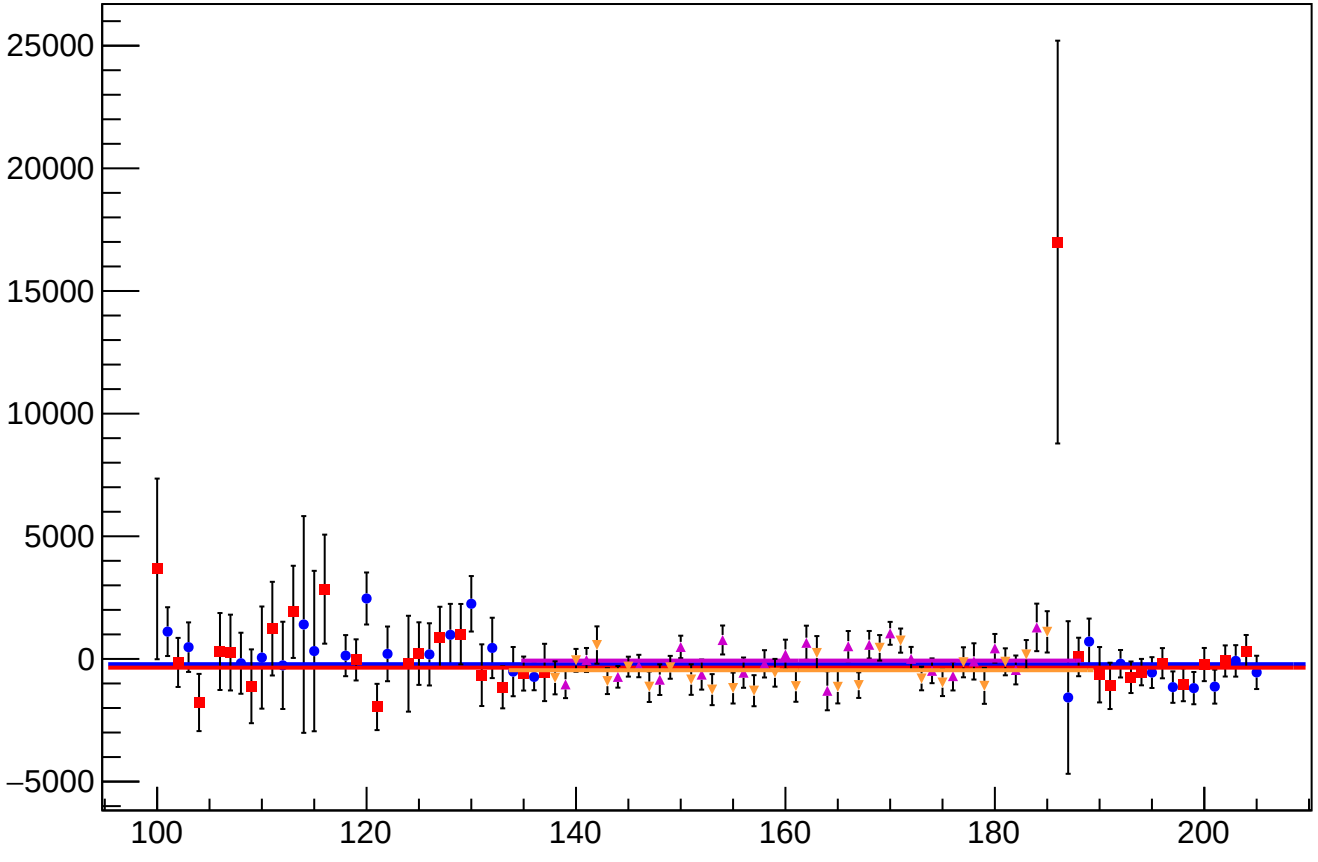
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 556.332+/-0.070 χ^2/NDF: 2865191.2/49

All: 557.194+/-0.049 χ^2/NDF: 6351738.5/102

- sign 558.062+/-0.070 χ^2/NDF: 3486240.6/52

asym_sam_26_48_dd_mean vs Slug



Right In: -213.994+/-176.988 χ^2/NDF: 24.0/24

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -355.417+/-169.906 χ^2/NDF: 22.5/29

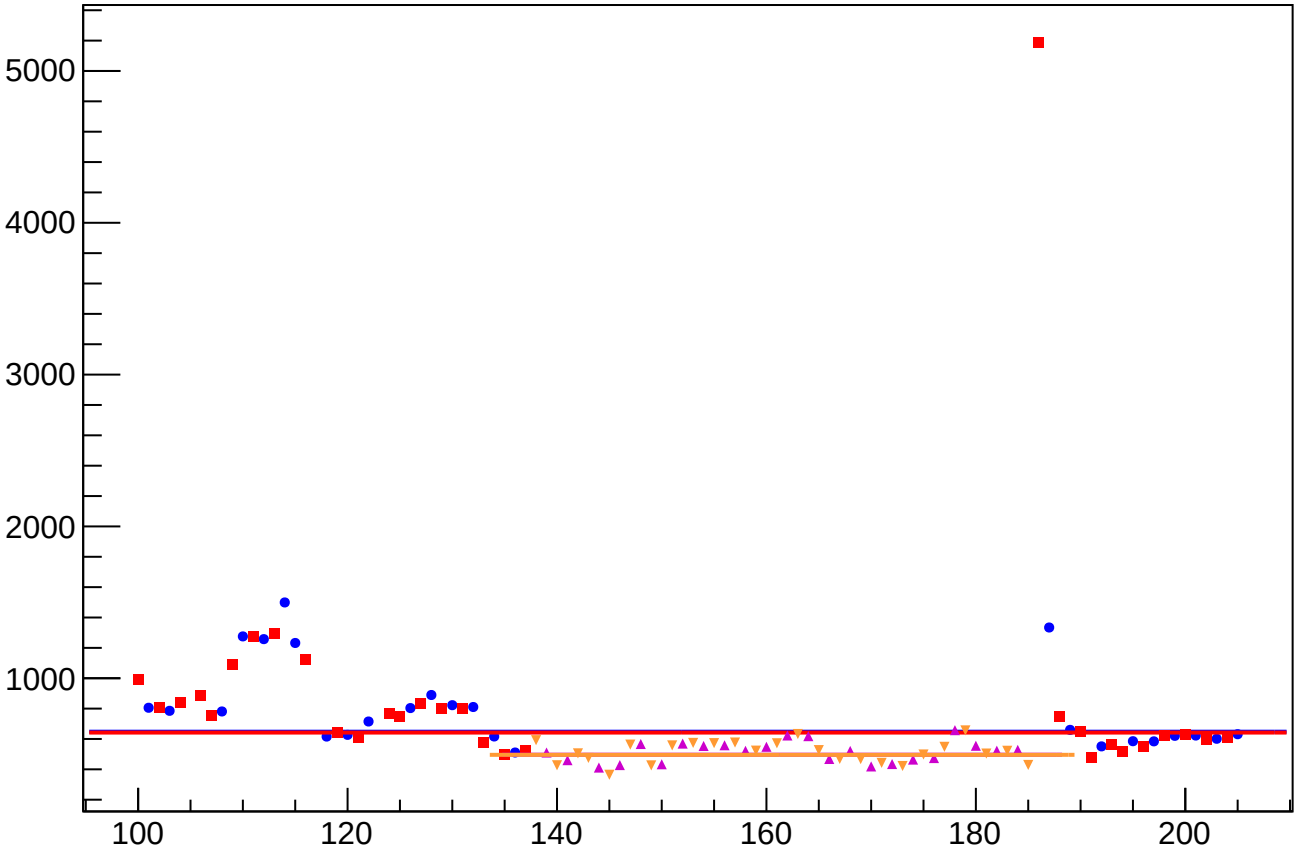
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -387.559+/-95.978 χ^2/NDF: 56.2/49

All: -274.910+/-68.074 χ^2/NDF: 112.0/102

- sign -160.873+/-96.567 χ^2/NDF: 53.0/52

asym_sam_26_48_dd_rms vs Slug



Right In: 647.875+/-0.125 χ^2/NDF: 1206588.0/24

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

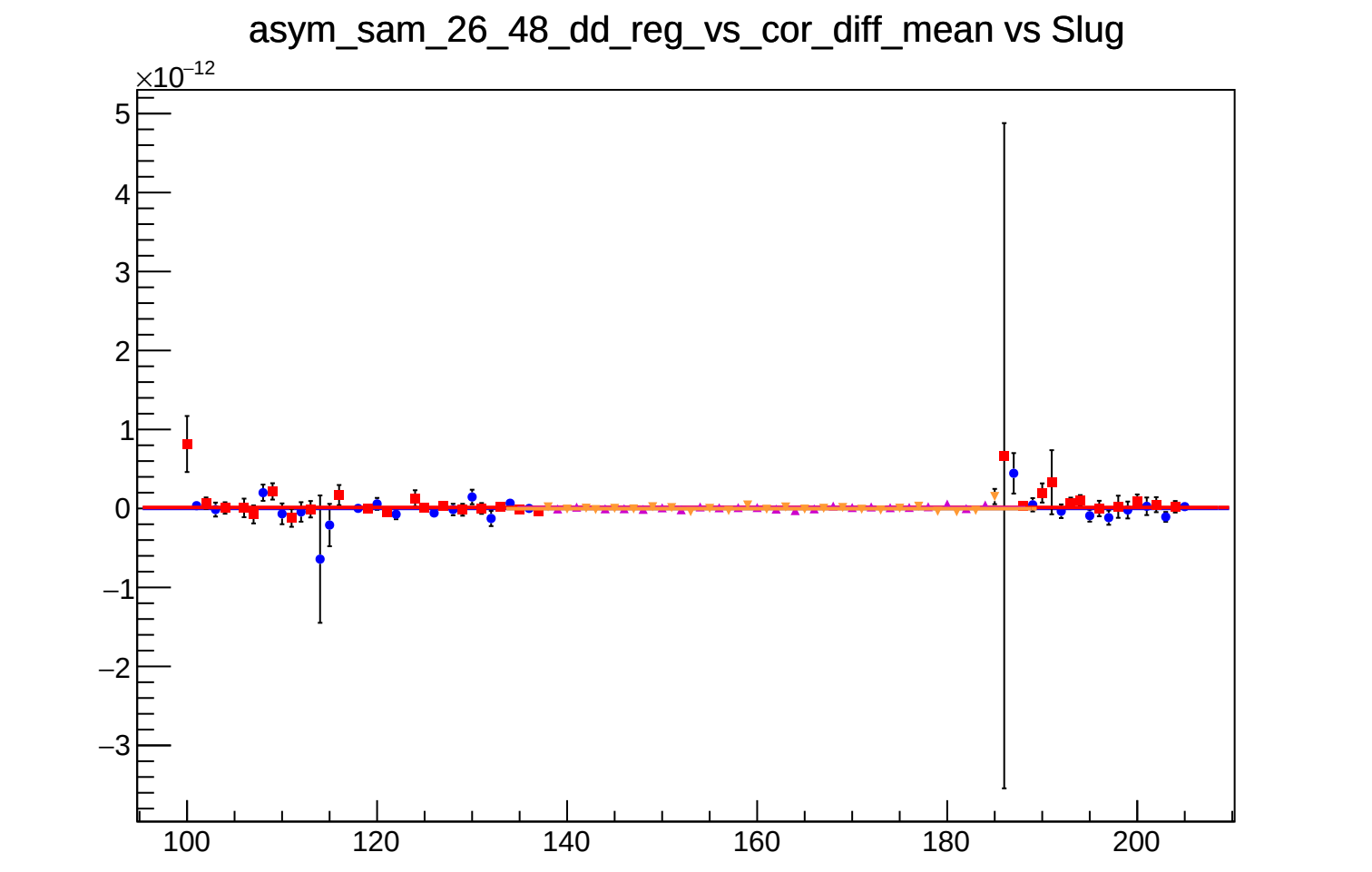
Right Out: 642.169+/-0.120 χ^2/NDF: 2088765.1/29

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 540.319+/-0.068 χ^2/NDF: 3057526.1/49

All: 541.862+/-0.048 χ^2/NDF: 6767546.8/102

- sign 543.425+/-0.068 χ^2/NDF: 3708980.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

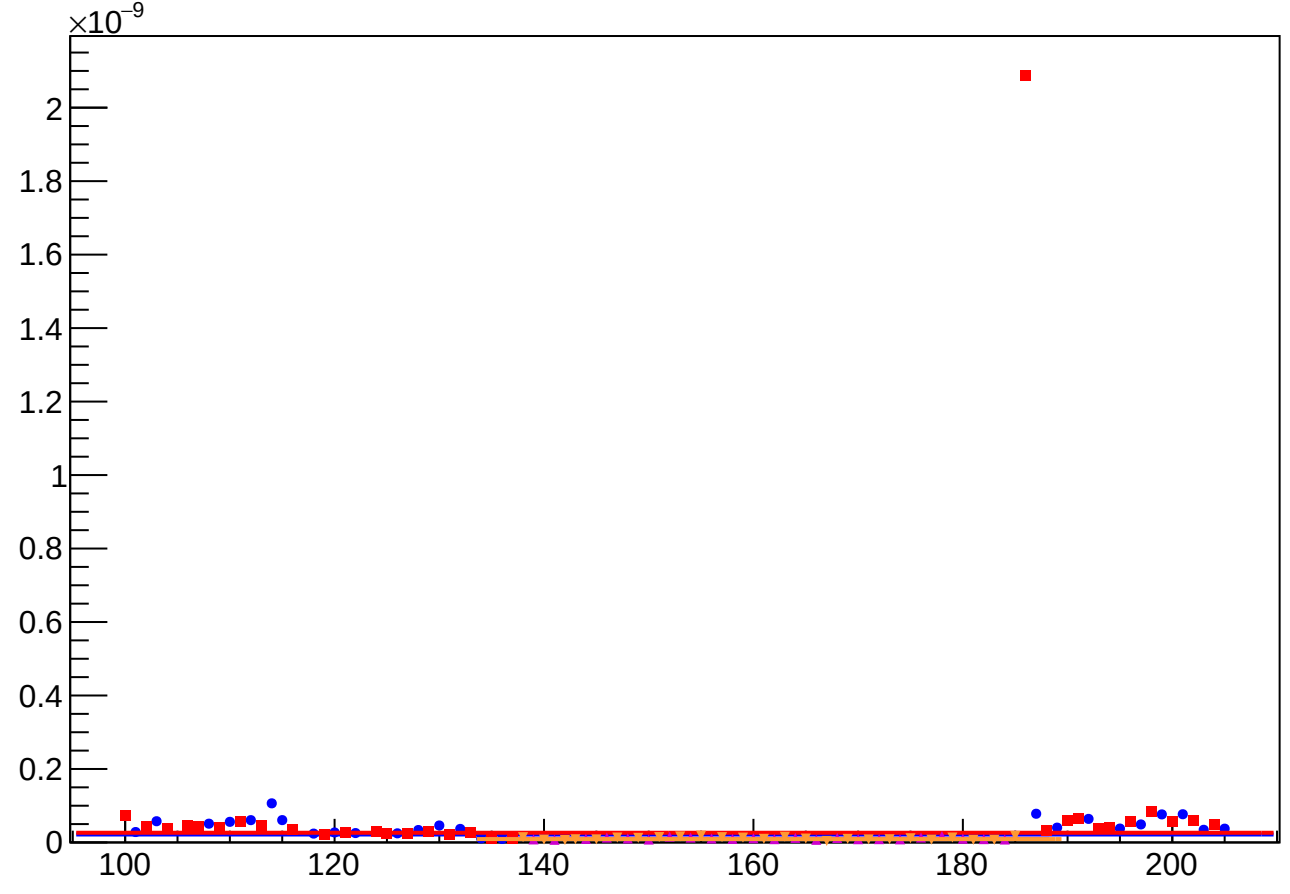
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/49

All: 0.000+/-0.000 χ^2/NDF: 98.2/102

- sign 0.000+/-0.000 χ^2/NDF: 41.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 4861191.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4025123.5/29

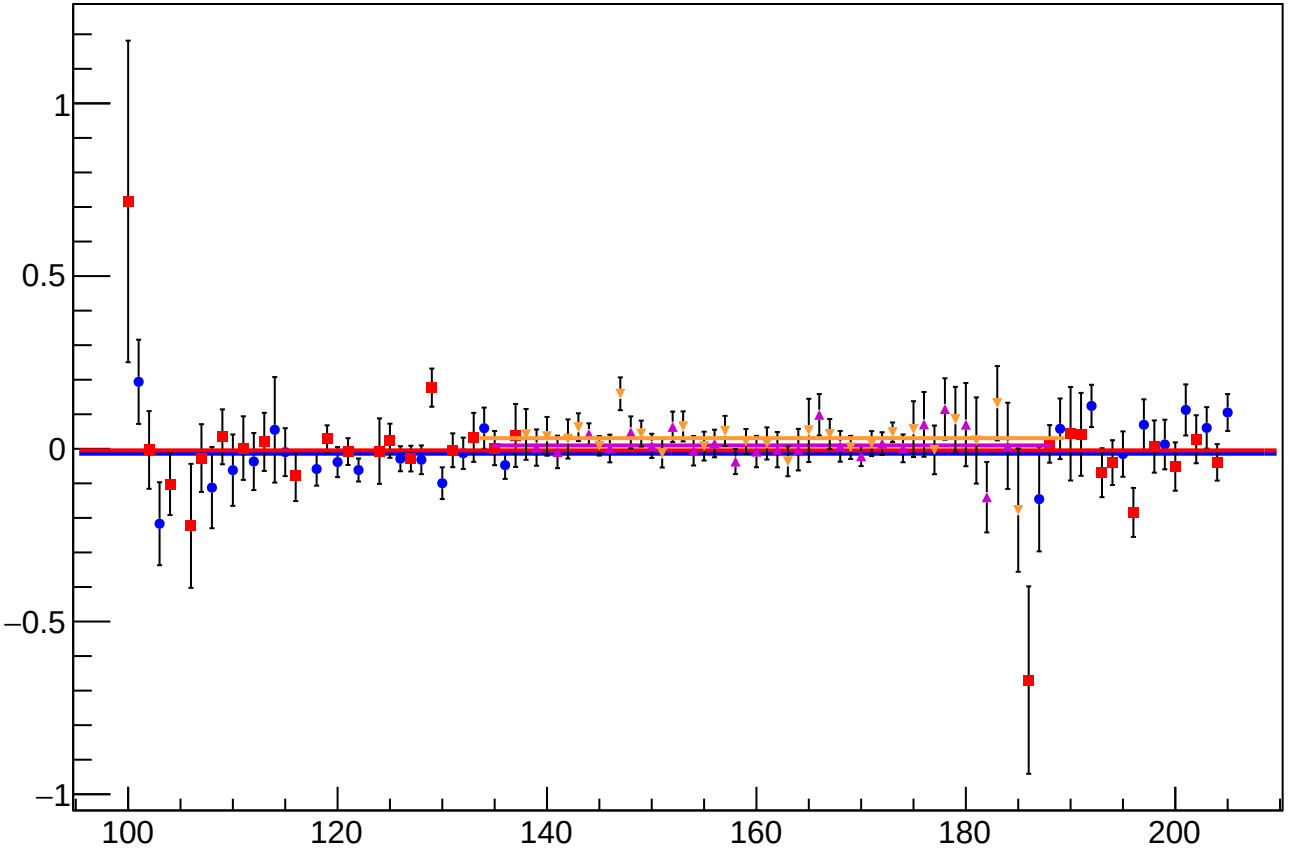
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9152282.5/49

All: 0.000+/-0.000 χ^2/NDF: 17374450.9/102

- sign 0.000+/-0.000 χ^2/NDF: 8167362.3/52

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

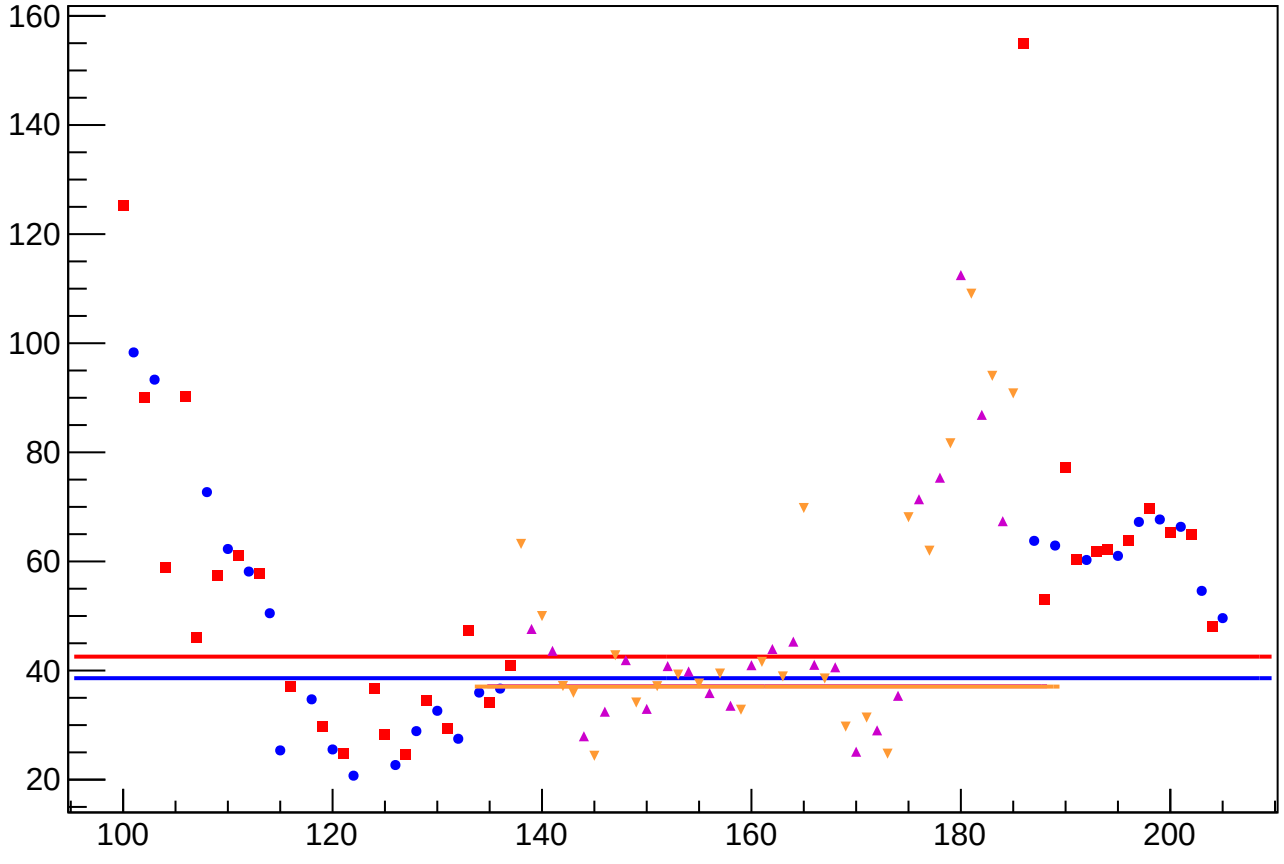
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.009+/-0.005 χ^2/NDF: 110.0/102

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

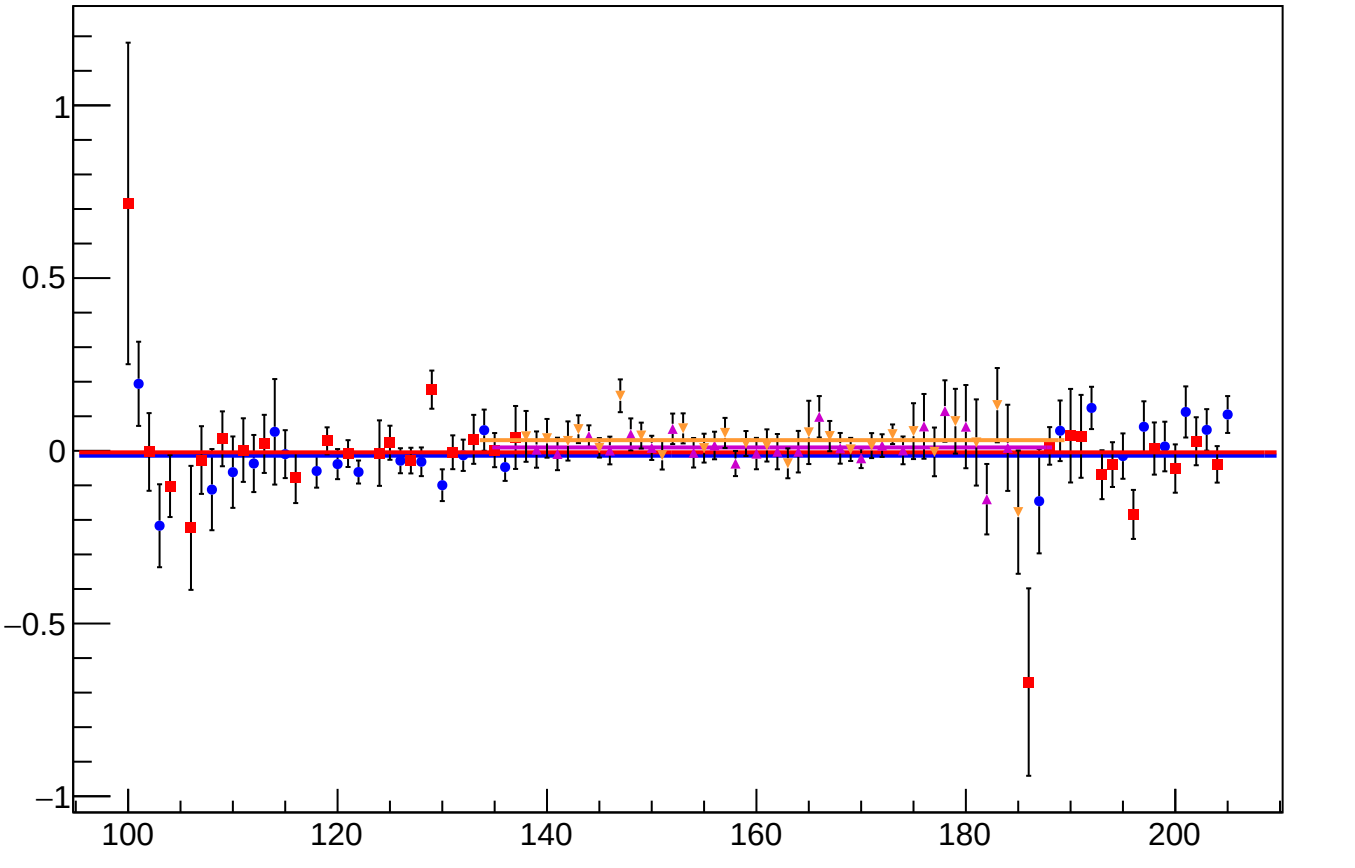
Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699469.3/49

All: 38.403+/-0.004 χ^2/NDF: 16205493.6/102

- sign 39.200+/-0.005 χ^2/NDF: 7460777.8/52



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

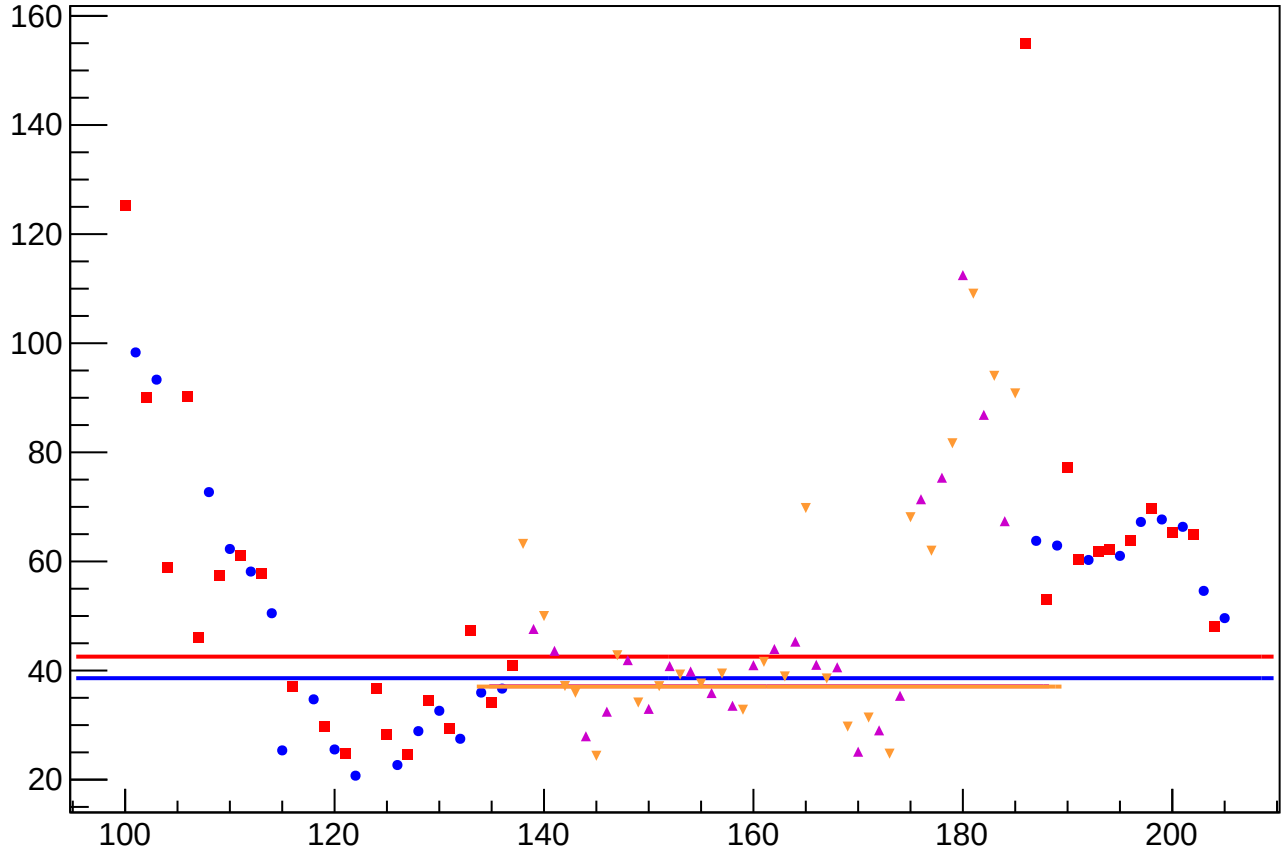
Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.009+/-0.005 χ^2/NDF: 110.0/102

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

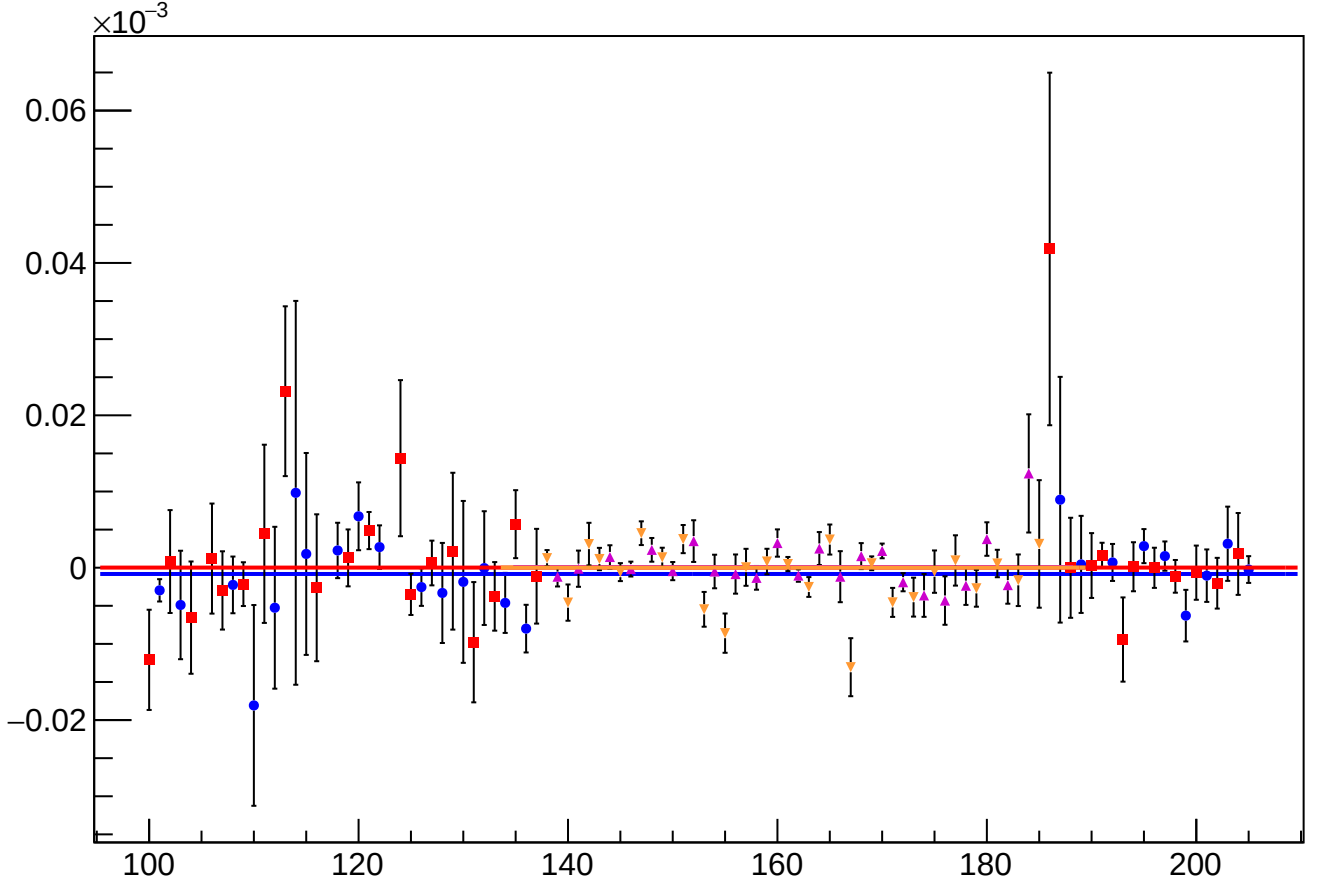
Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699469.3/49

All: 38.403+/-0.004 χ^2/NDF: 16205493.6/102

- sign 39.200+/-0.005 χ^2/NDF: 7460777.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

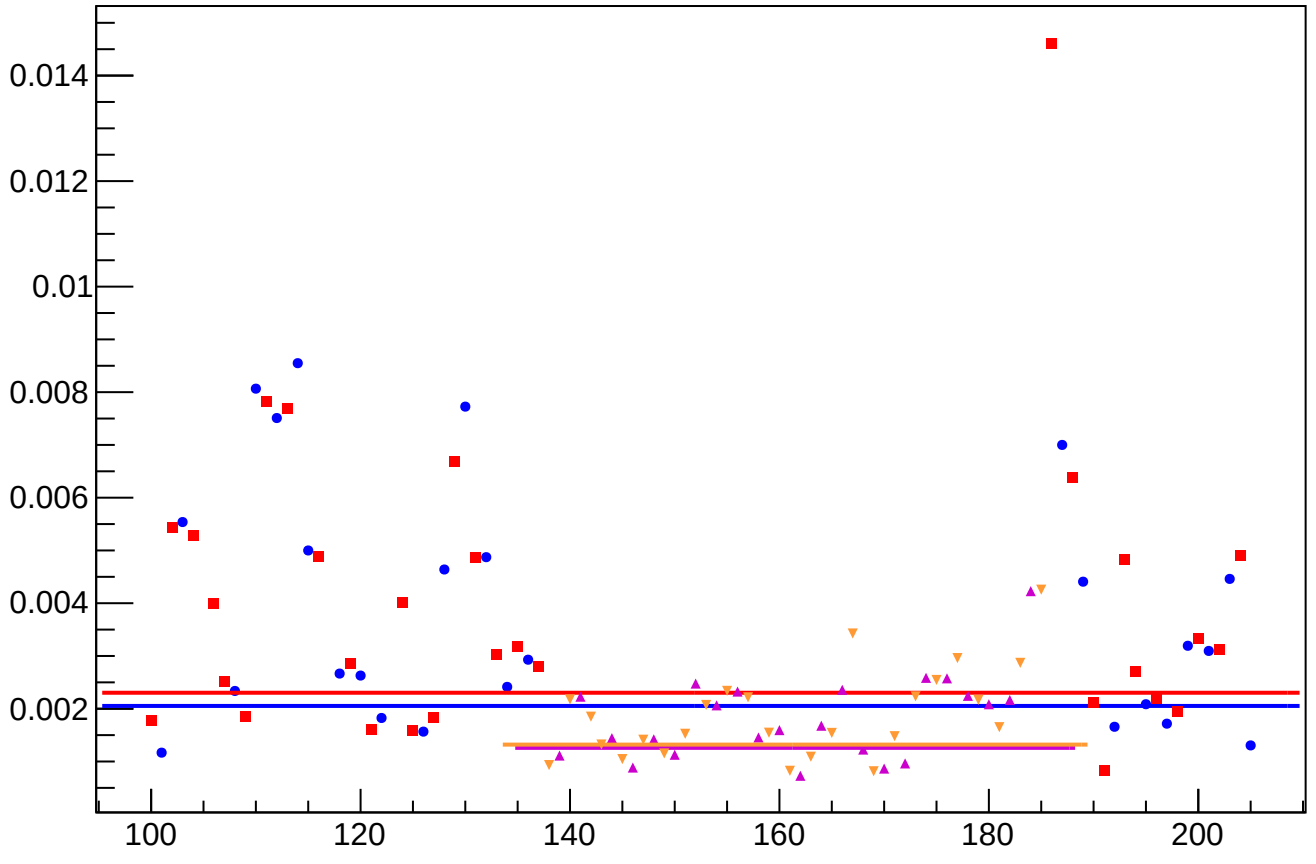
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/29

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 94.0/49

All: -0.000+/-0.000 χ^2/NDF: 155.9/102

- sign 0.000+/-0.000 χ^2/NDF: 61.6/52



Right In: 0.002+/-0.000 χ^2/NDF: 5755899.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

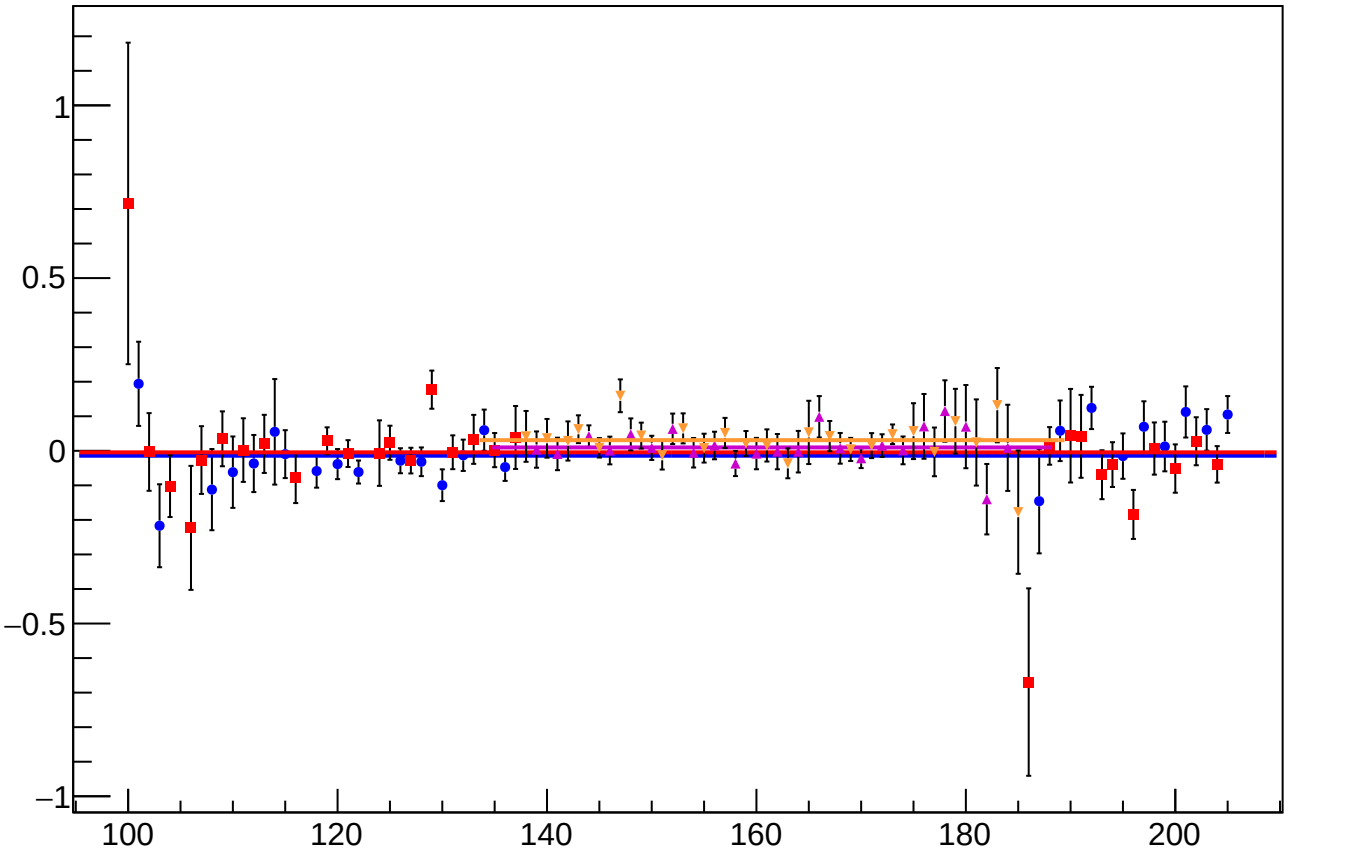
Right Out: 0.002+/-0.000 χ^2/NDF: 7404990.5/29

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 13440015.1/49

All: 0.001+/-0.000 χ^2/NDF: 29916742.9/102

- sign 0.001+/-0.000 χ^2/NDF: 16469712.2/52



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

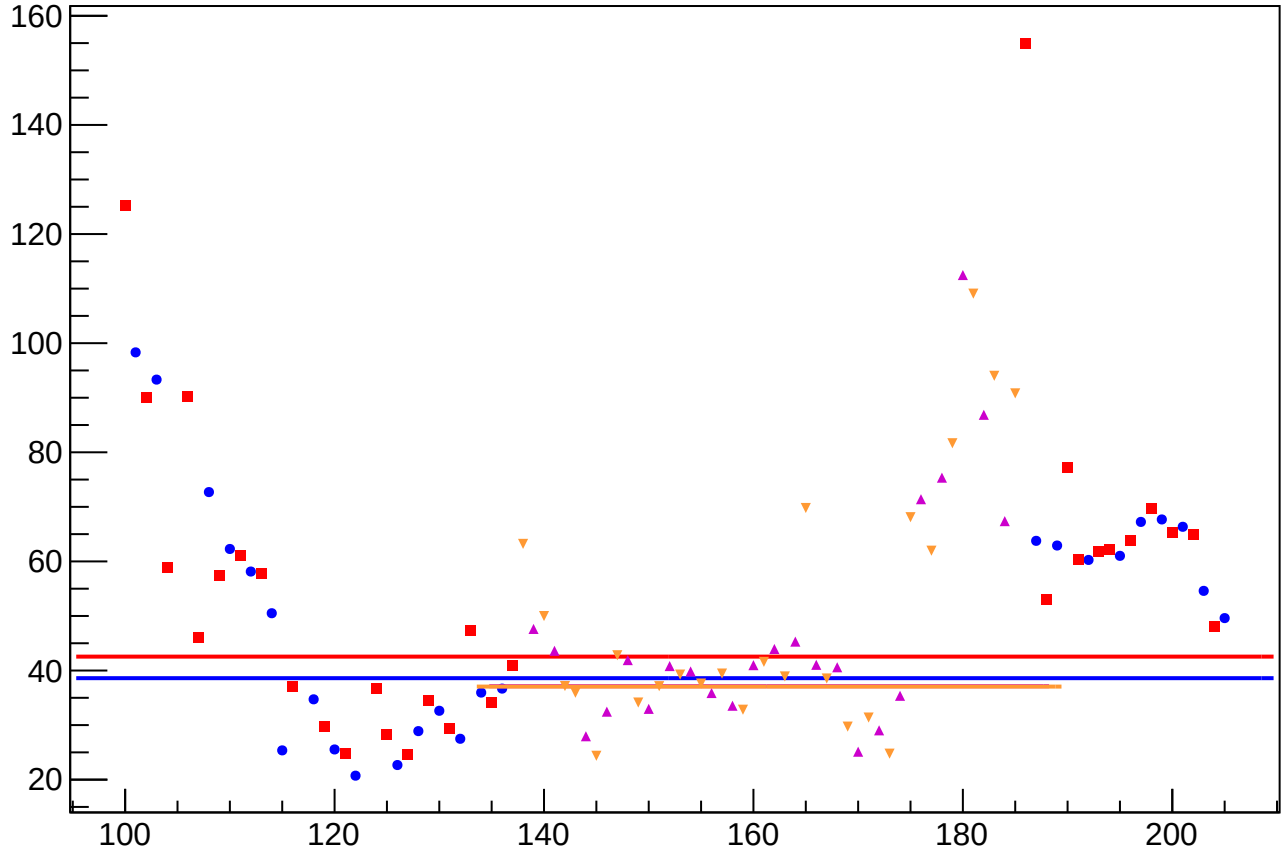
Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.009+/-0.005 χ^2/NDF: 110.0/102

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

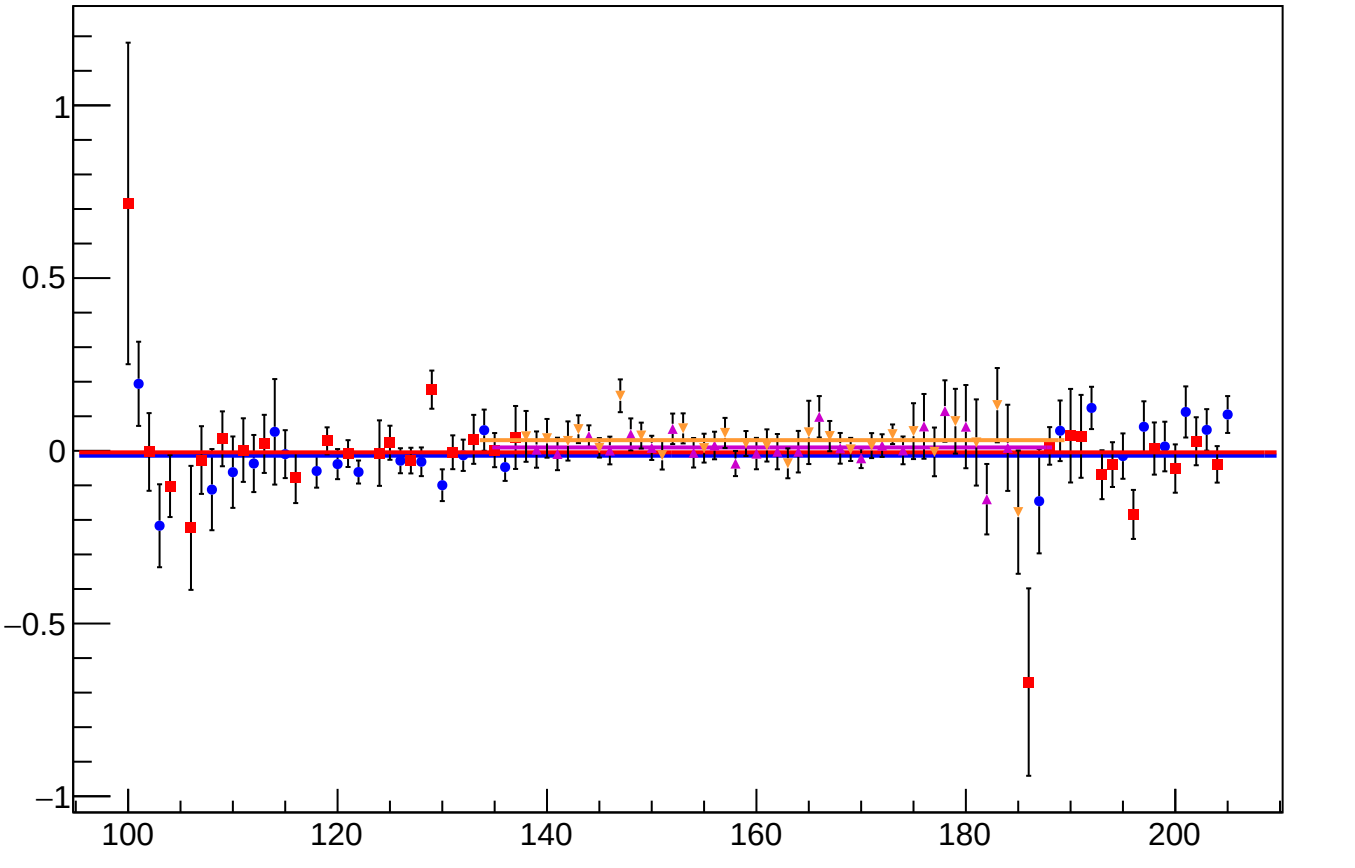
Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699388.5/49

All: 38.403+/-0.004 χ^2/NDF: 16205227.0/102

- sign 39.200+/-0.005 χ^2/NDF: 7460591.9/52



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

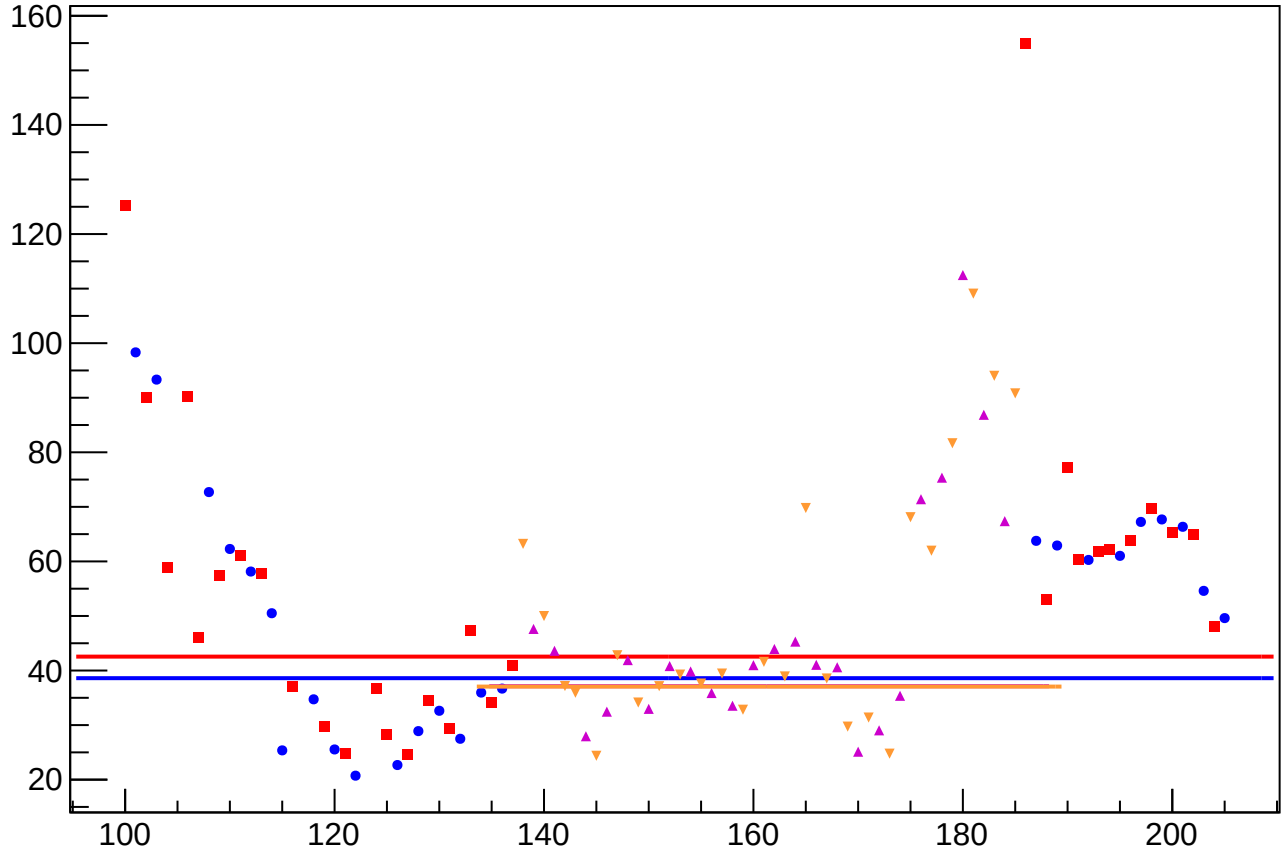
Right Out: -0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.009+/-0.005 χ^2/NDF: 110.0/102

- sign 0.004+/-0.007 χ^2/NDF: 48.4/52



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

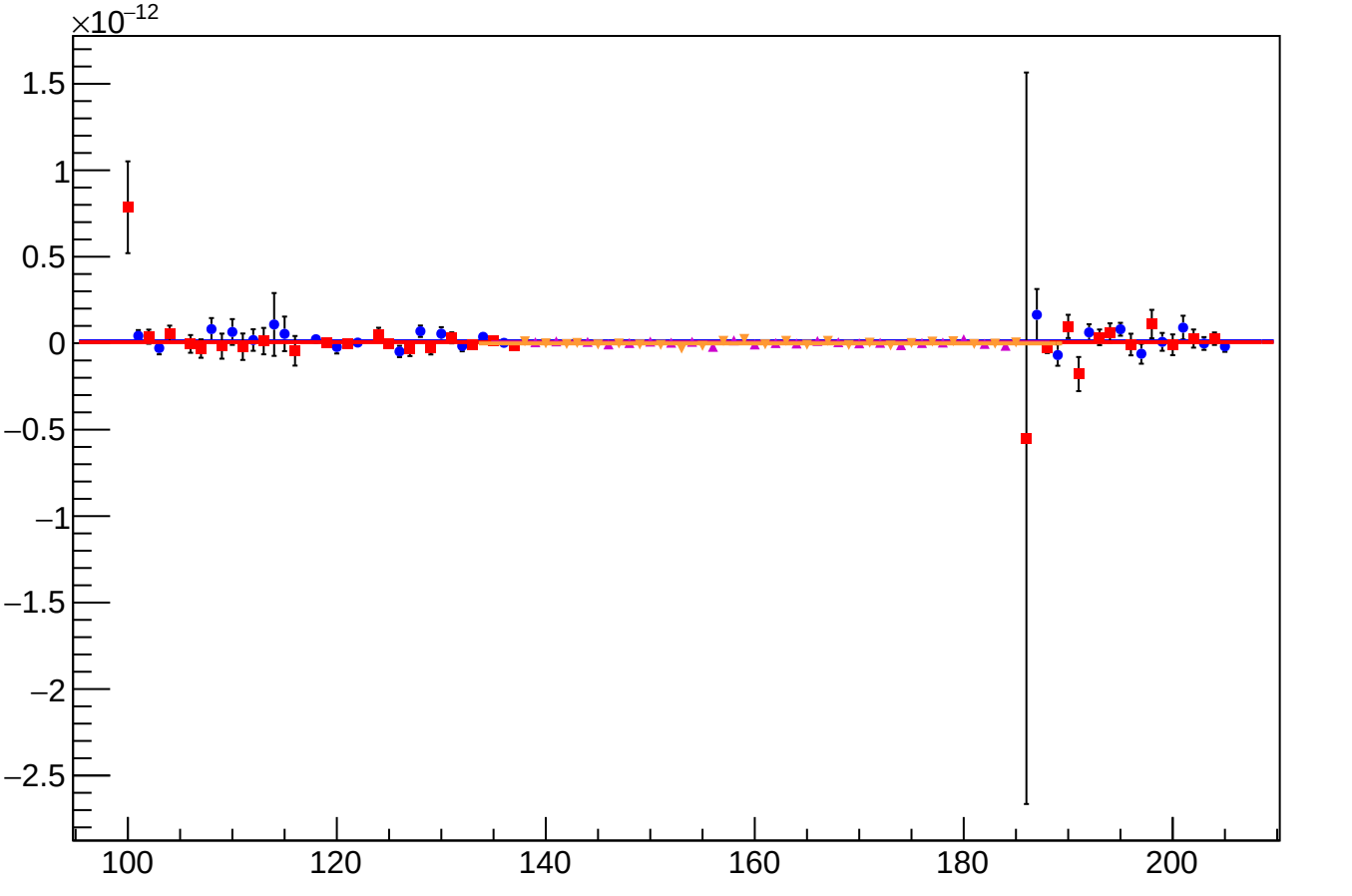
Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699388.5/49

All: 38.403+/-0.004 χ^2/NDF: 16205227.0/102

- sign 39.200+/-0.005 χ^2/NDF: 7460591.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

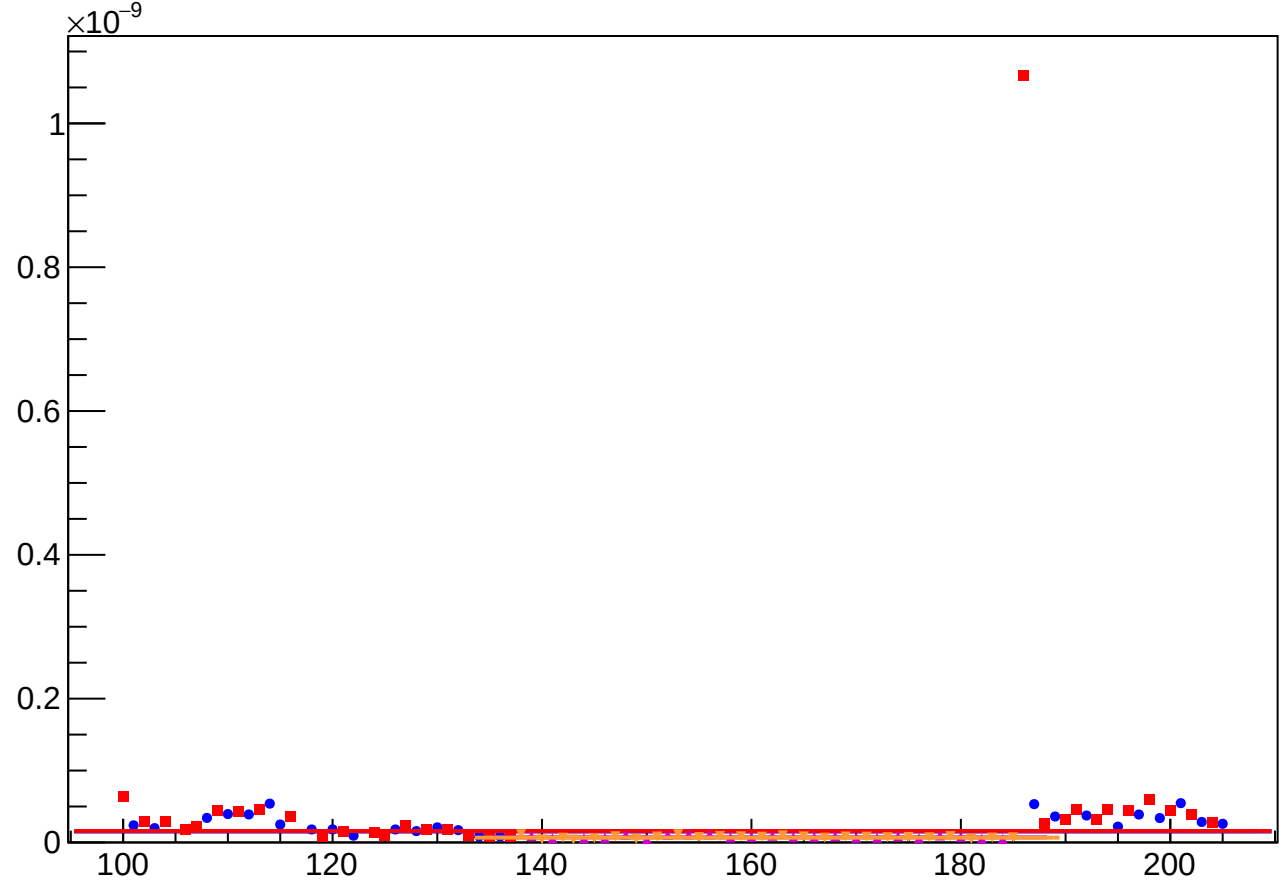
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/49

All: 0.000+/-0.000 χ^2/NDF: 108.2/102

- sign 0.000+/-0.000 χ^2/NDF: 47.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5124309.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7121200.7/29

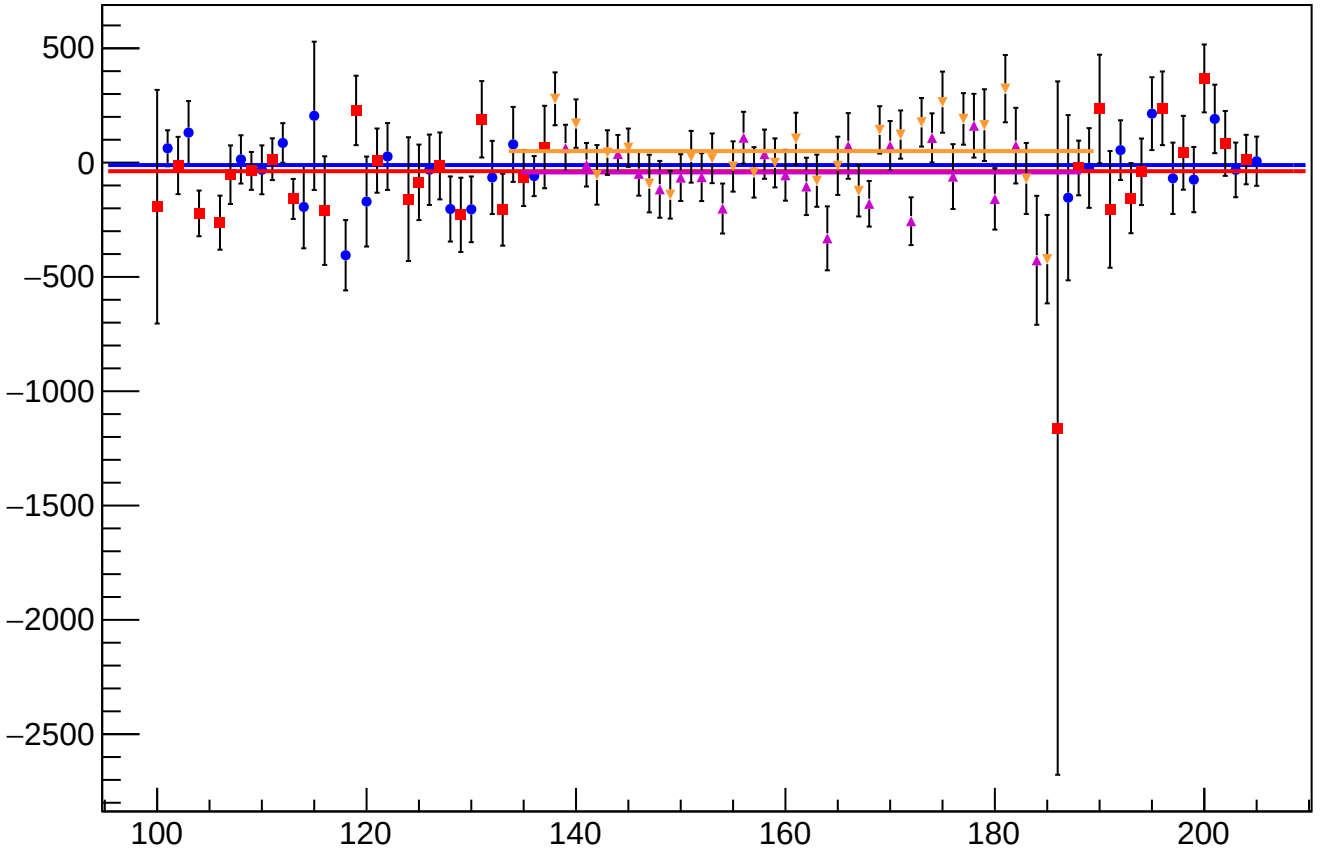
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10846031.7/49

All: 0.000+/-0.000 χ^2/NDF: 23113607.5/102

- sign 0.000+/-0.000 χ^2/NDF: 12200427.4/52

reg_asym_sam_1548_avg_mean vs Slug



Right In: -10.798+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -37.531+/-25.267 χ^2/NDF: 32.7/29

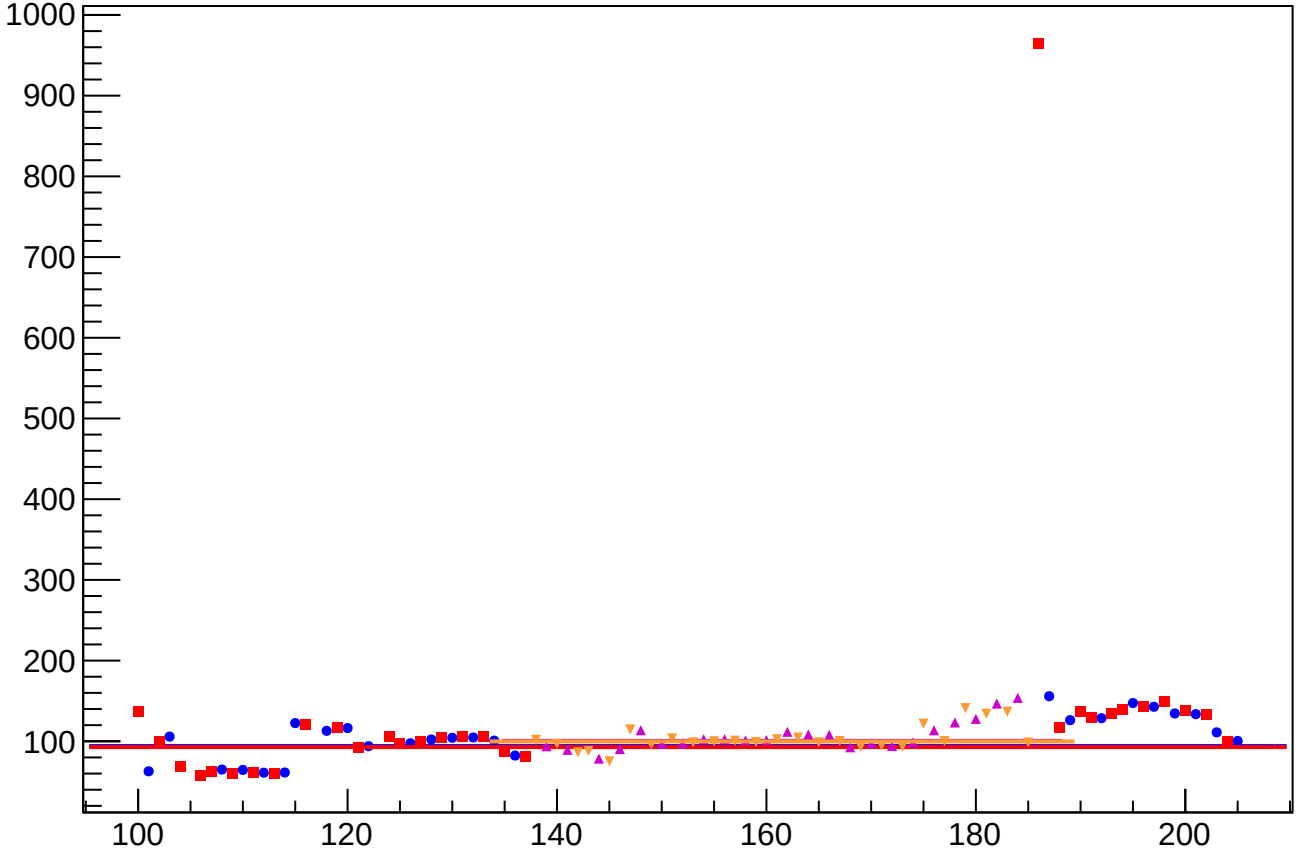
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.790+/-17.271 χ^2/NDF: 57.5/49

All: -8.260+/-12.226 χ^2/NDF: 123.8/102

- sign -40.447+/-17.308 χ^2/NDF: 59.4/52

reg_asym_sam_1548_avg_rms vs Slug



Right In: 94.041+/-0.019 χ^2/NDF: 2159505.1/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

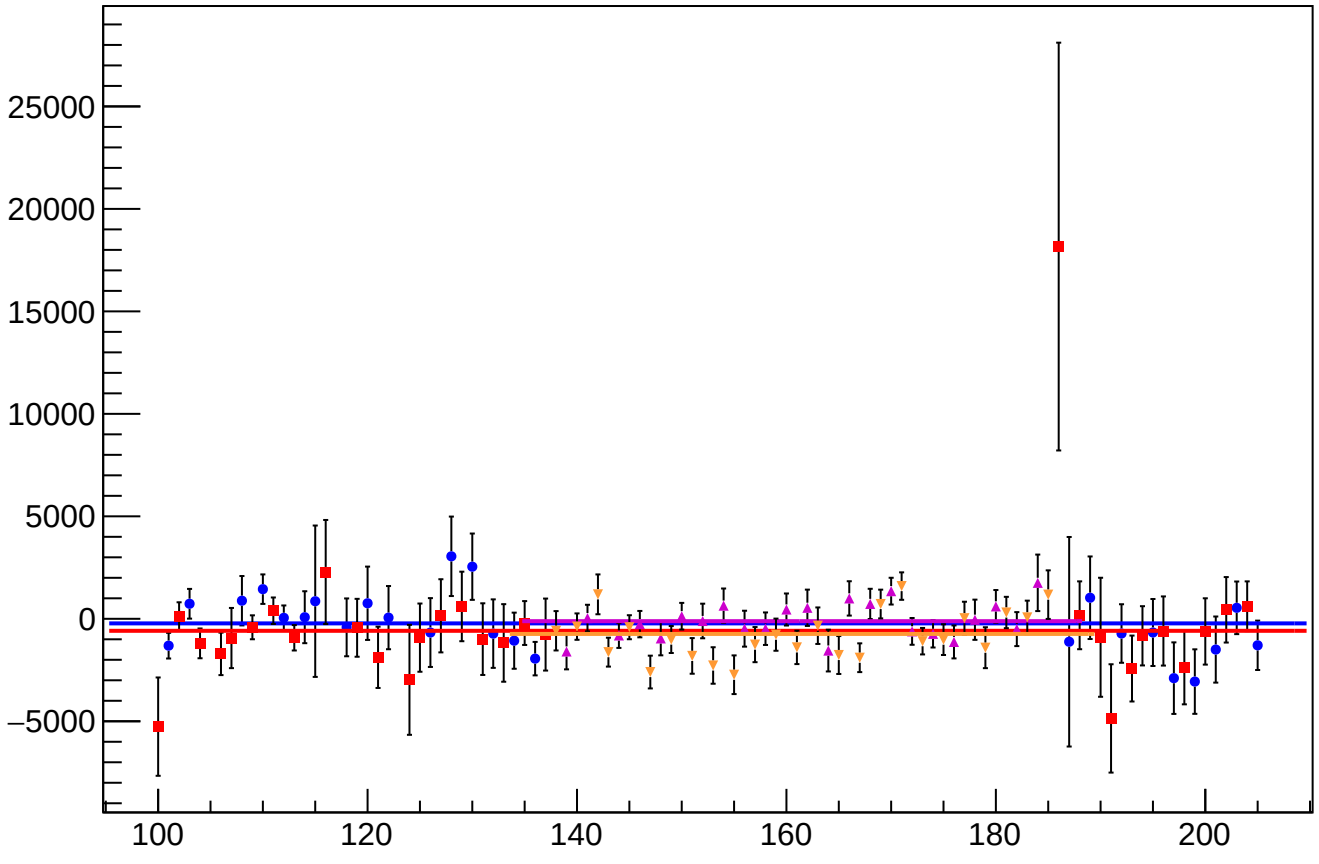
Right Out: 92.809+/-0.018 χ^2/NDF: 3409948.2/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.322+/-0.012 χ^2/NDF: 2912637.8/49

All: 97.107+/-0.009 χ^2/NDF: 7078361.3/102

- sign 96.890+/-0.012 χ^2/NDF: 4165097.2/52



Right In: -223.617+/-231.232 χ^2/NDF: 30.4/24

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -585.586+/-217.203 χ^2/NDF: 23.4/29

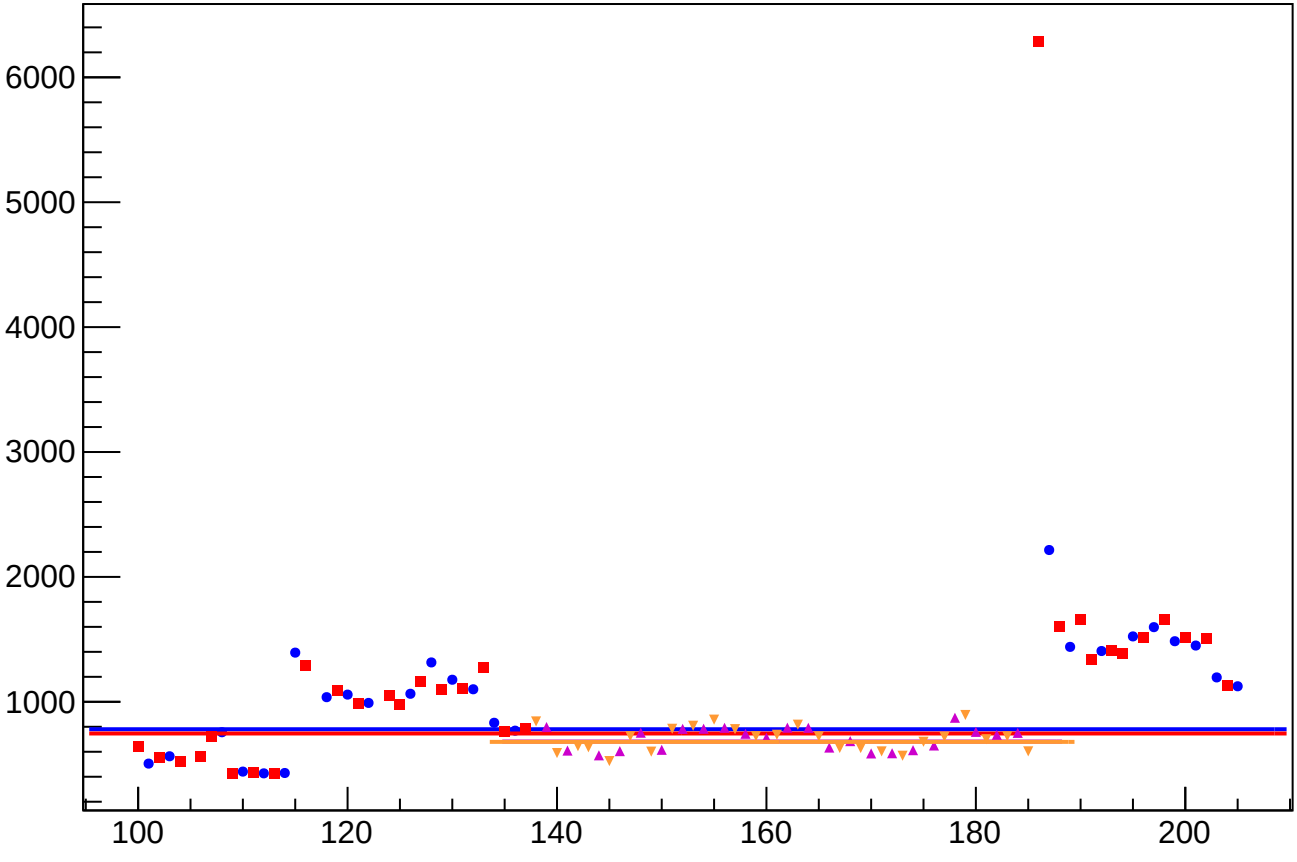
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -576.918+/-129.499 χ^2/NDF: 83.5/49

All: -429.410+/-91.512 χ^2/NDF: 136.2/102

- sign -282.271+/-129.336 χ^2/NDF: 50.2/52

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 780.357+/-0.164 χ^2/NDF: 5186372.1/24

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 746.367+/-0.154 χ^2/NDF: 7015192.2/29

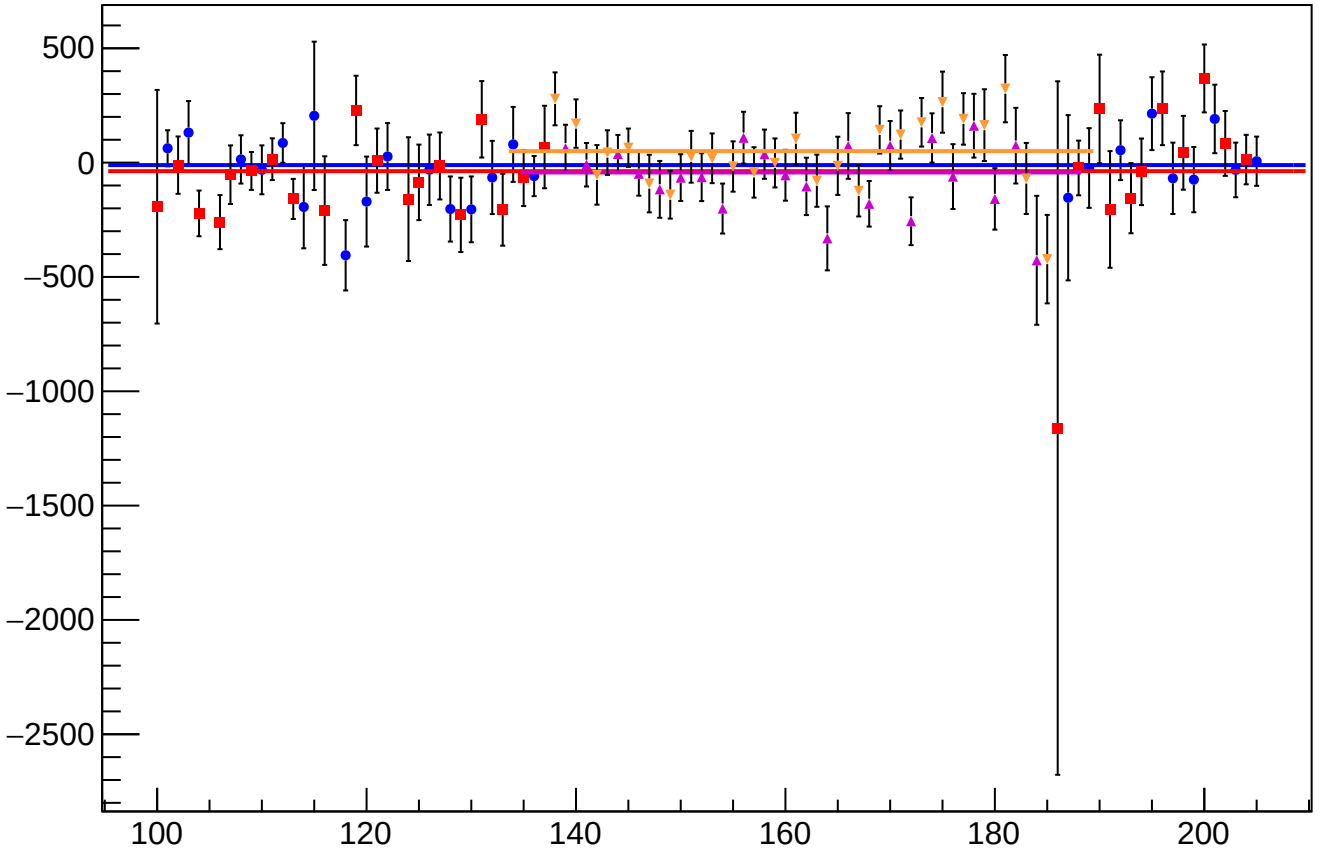
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 710.890+/-0.092 χ^2/NDF: 6186780.2/49

All: 707.818+/-0.065 χ^2/NDF: 13891773.4/10

- sign 704.754+/-0.091 χ^2/NDF: 7702745.4/52

cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -37.342+/-25.268 χ^2/NDF: 32.6/29

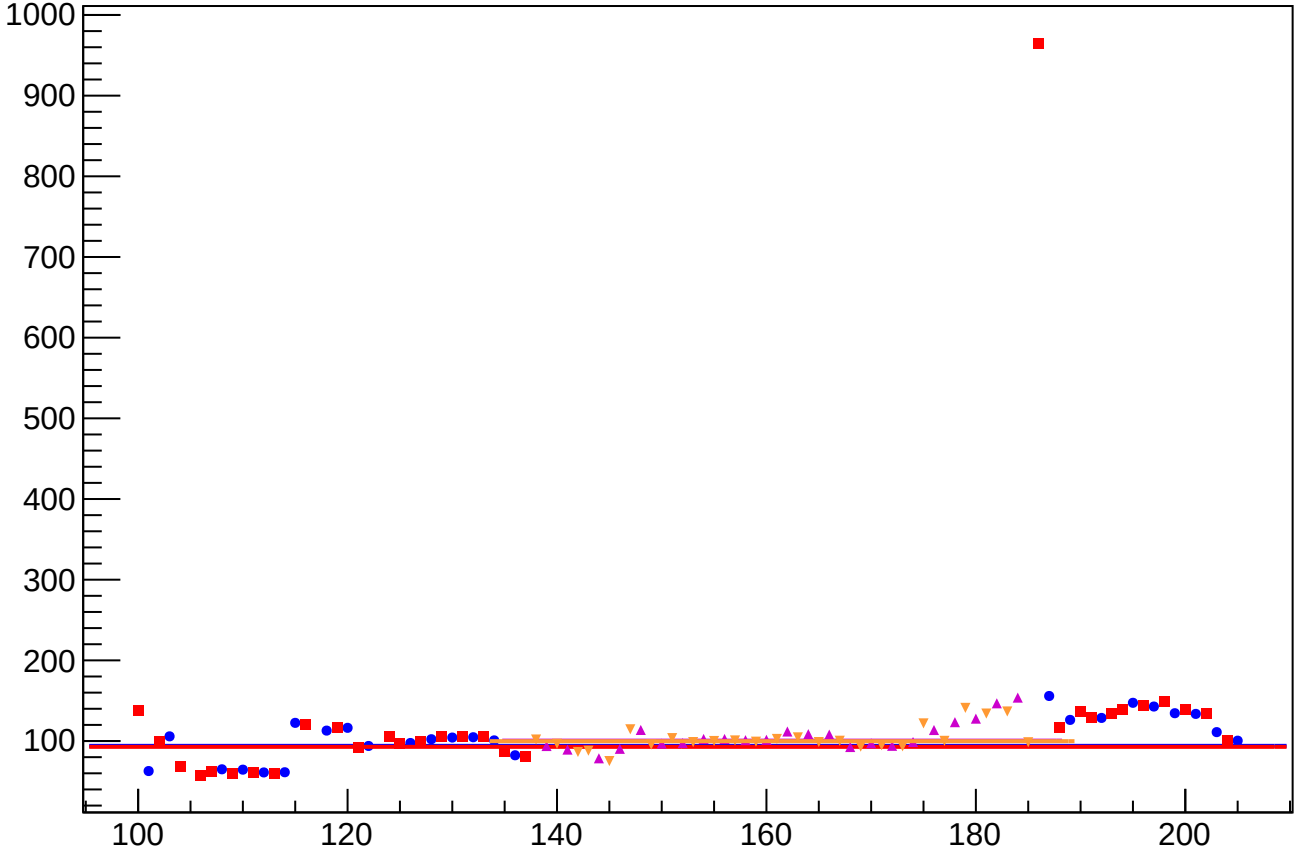
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.793+/-17.271 χ^2/NDF: 57.5/49

All: -8.214+/-12.226 χ^2/NDF: 123.7/102

- sign -40.359+/-17.309 χ^2/NDF: 59.3/52

cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

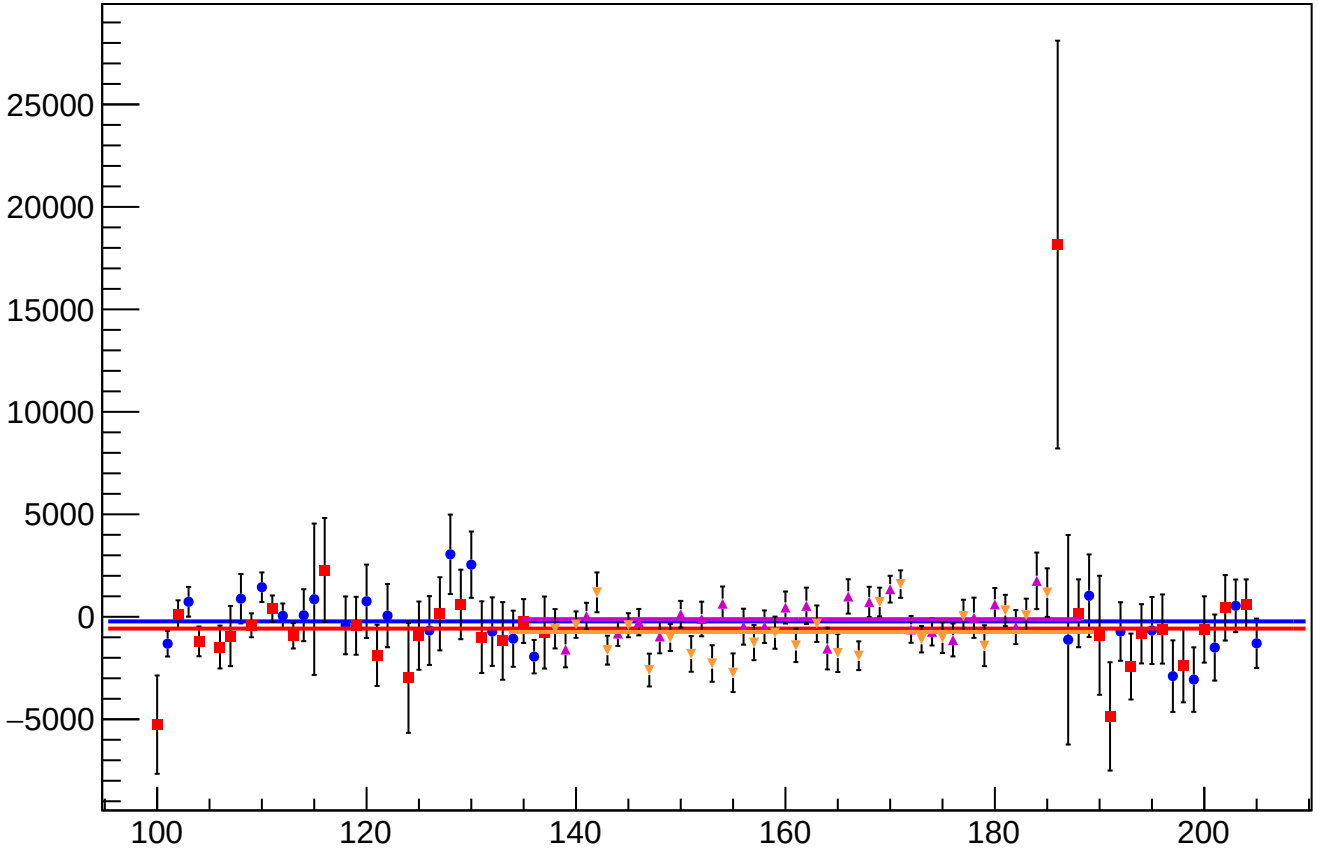
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.322+/-0.012 χ^2/NDF: 2912638.9/49

All: 97.104+/-0.009 χ^2/NDF: 7081969.6/102

- sign 96.884+/-0.012 χ^2/NDF: 4168688.5/52

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -574.877+/-217.315 χ^2/NDF: 22.9/29

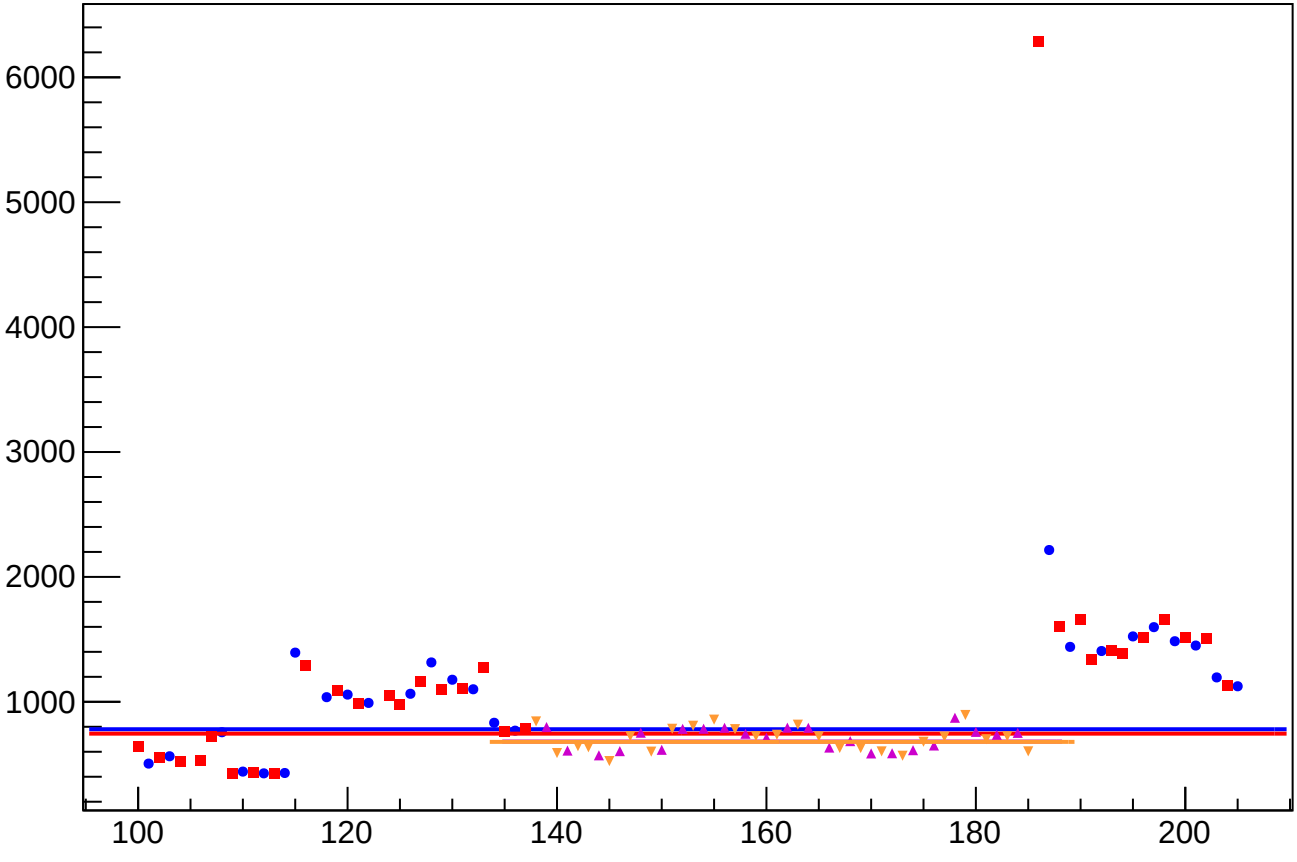
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -576.919+/-129.499 χ^2/NDF: 83.5/49

All: -427.482+/-91.520 χ^2/NDF: 135.7/102

- sign -278.366+/-129.360 χ^2/NDF: 49.6/52

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

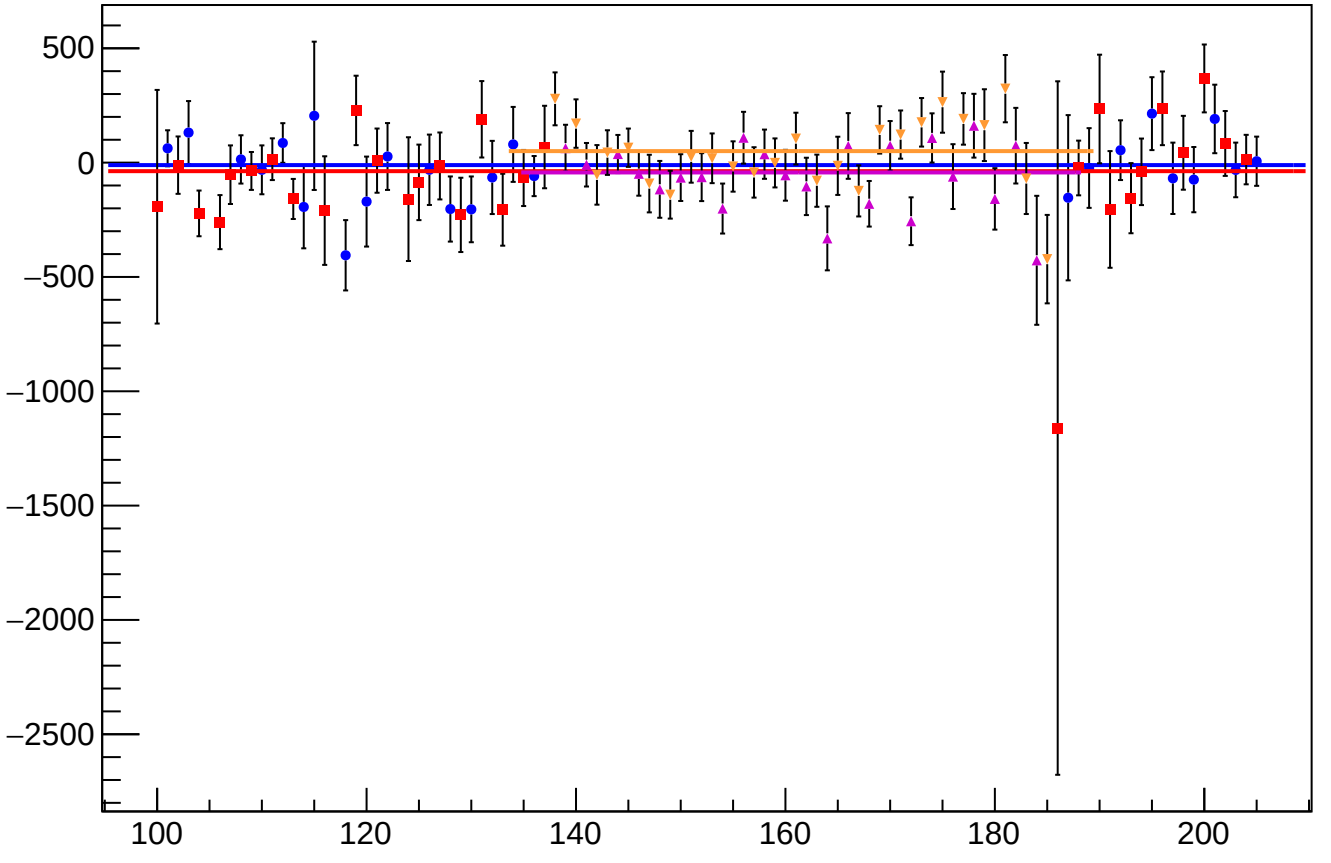
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 710.893+/-0.092 χ^2/NDF: 6186698.9/49

All: 707.592+/-0.065 χ^2/NDF: 13910619.8/10

- sign 704.298+/-0.091 χ^2/NDF: 7721324.9/52

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -37.342+/-25.268 χ^2/NDF: 32.6/29

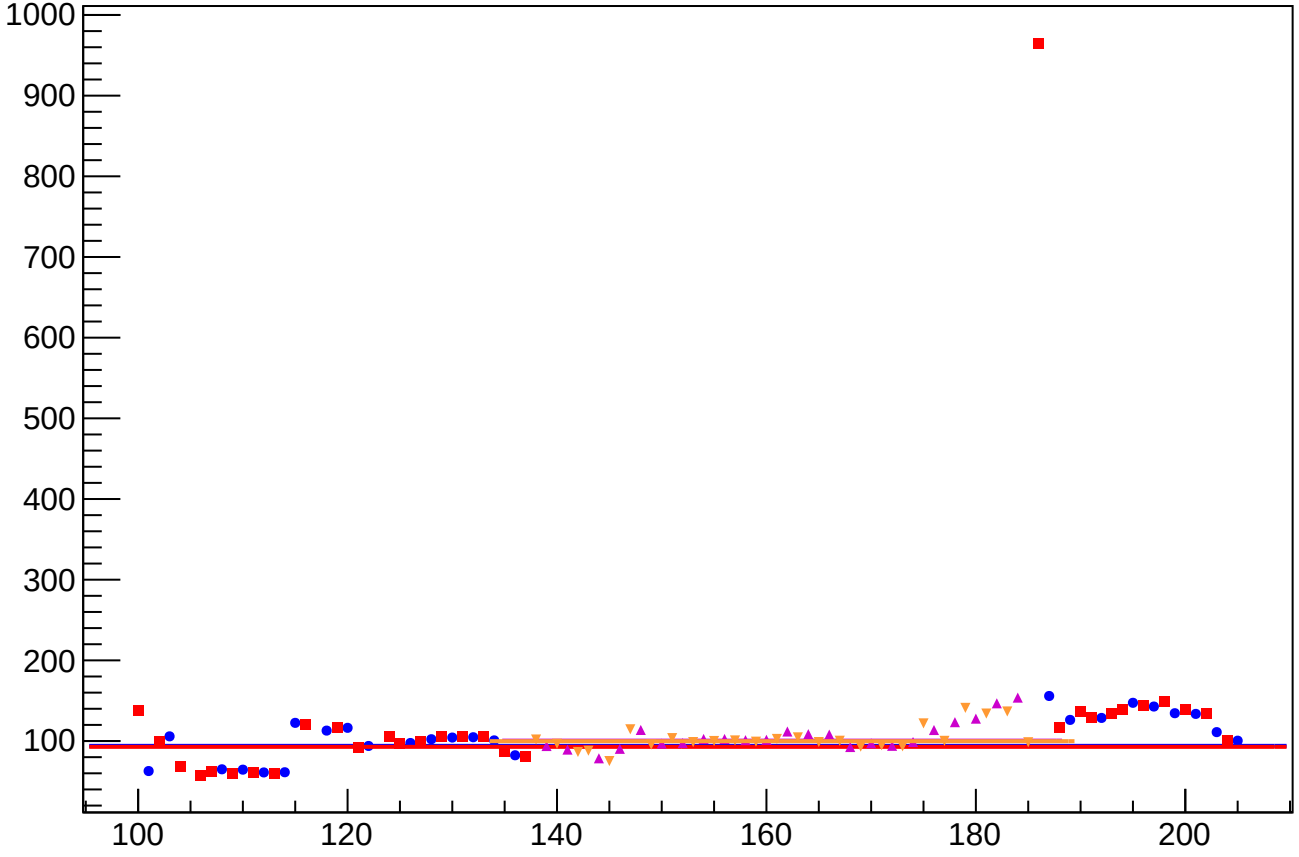
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.793+/-17.271 χ^2/NDF: 57.5/49

All: -8.214+/-12.226 χ^2/NDF: 123.7/102

- sign -40.359+/-17.309 χ^2/NDF: 59.3/52

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

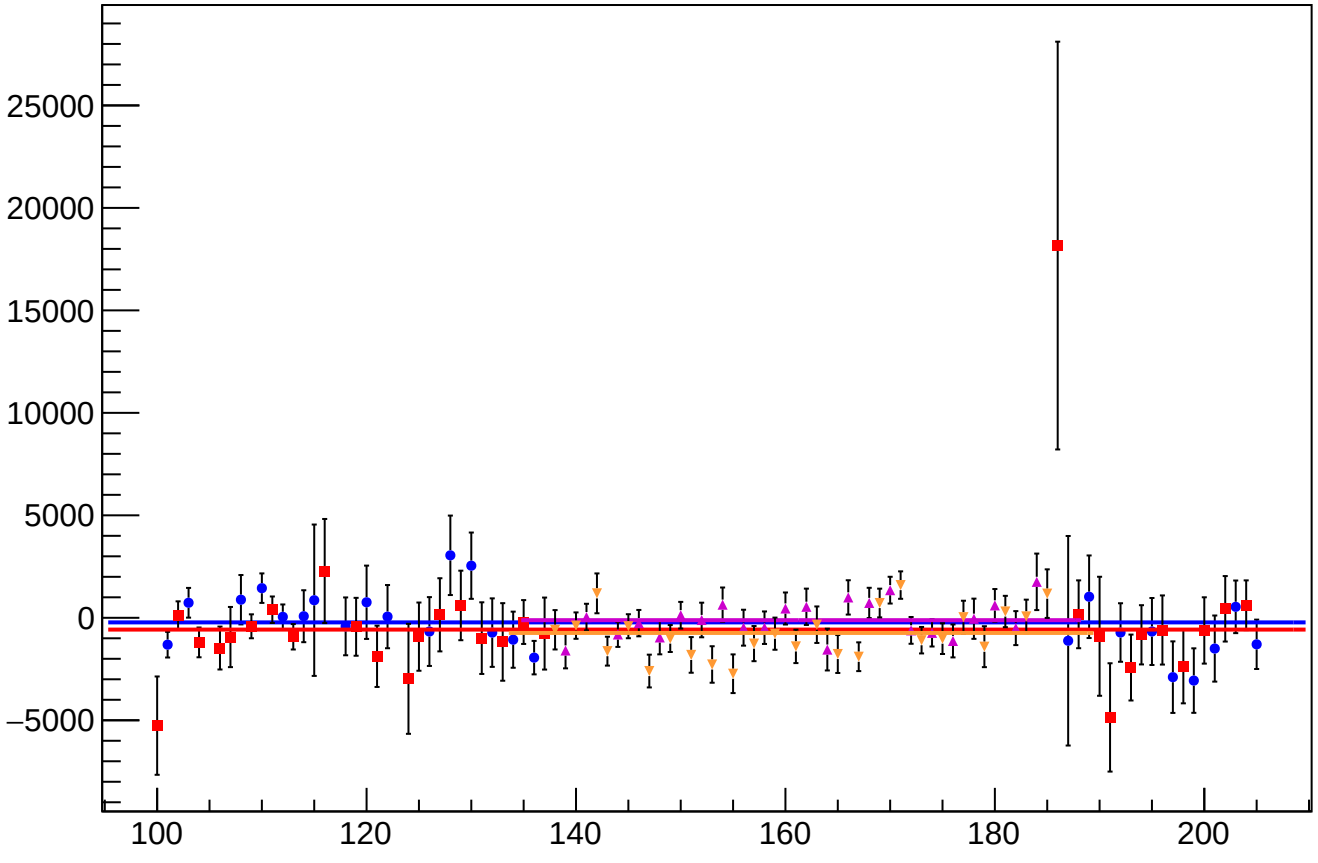
Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.322+/-0.012 χ^2/NDF: 2912638.9/49

All: 97.104+/-0.009 χ^2/NDF: 7081969.6/102

- sign 96.884+/-0.012 χ^2/NDF: 4168688.5/52



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -574.877+/-217.315 χ^2/NDF: 22.9/29

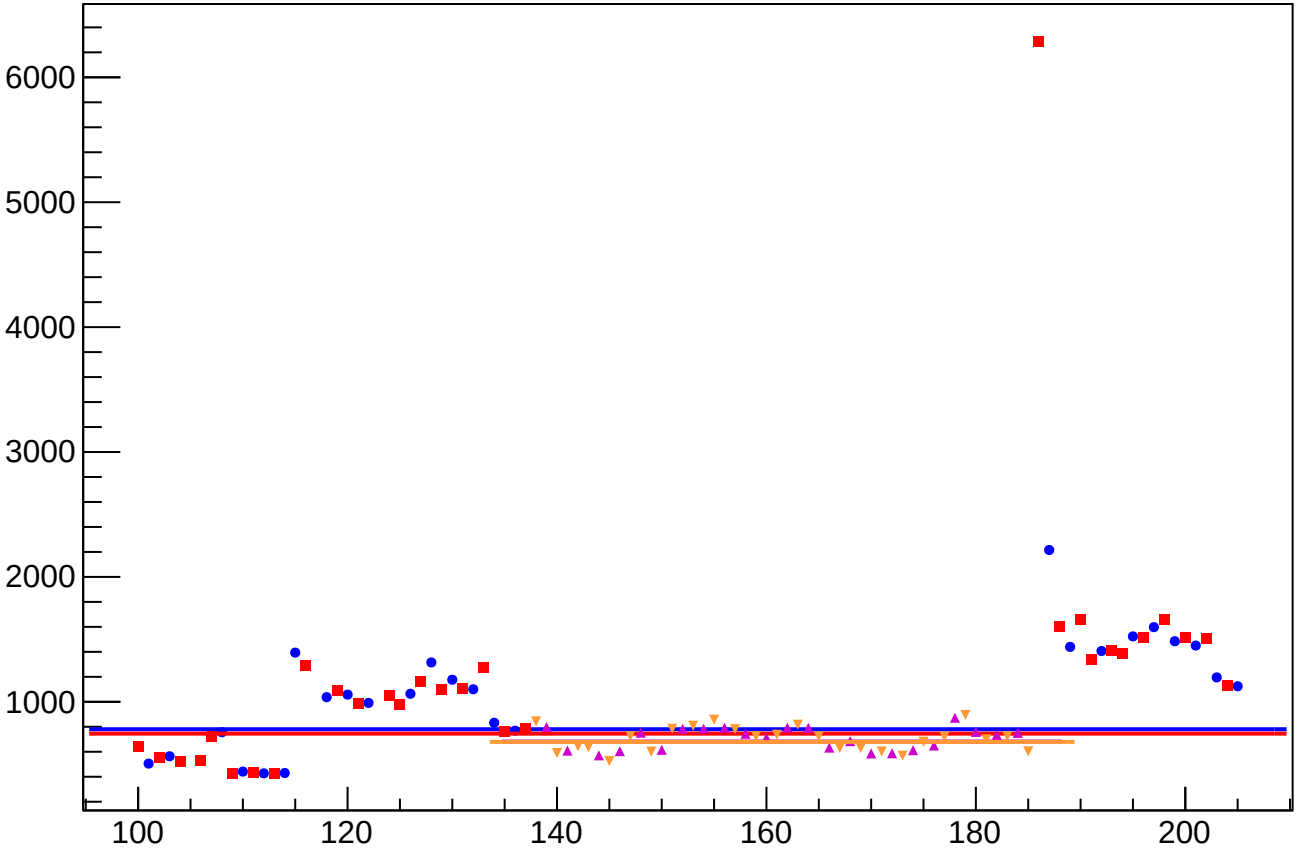
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -576.919+/-129.499 χ^2/NDF: 83.5/49

All: -427.482+/-91.520 χ^2/NDF: 135.7/102

- sign -278.366+/-129.360 χ^2/NDF: 49.6/52

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

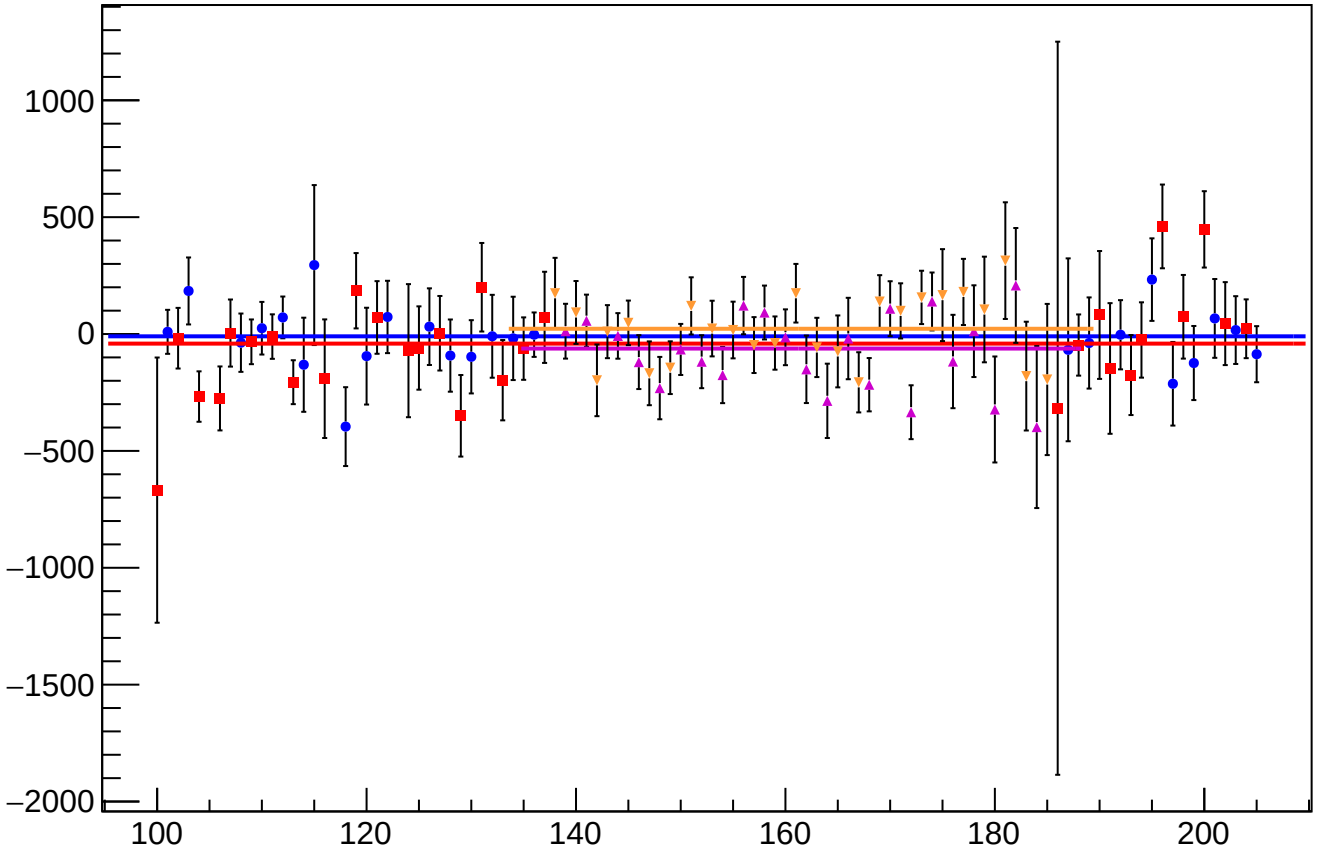
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 710.893+/-0.092 χ^2/NDF: 6186698.9/49

All: 707.592+/-0.065 χ^2/NDF: 13910619.8/10

- sign 704.298+/-0.091 χ^2/NDF: 7721324.9/52

dit_asym_sam_1548_avg_mean vs Slug



Right In: -9.787+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -40.995+/-27.826 χ^2/NDF: 39.5/29

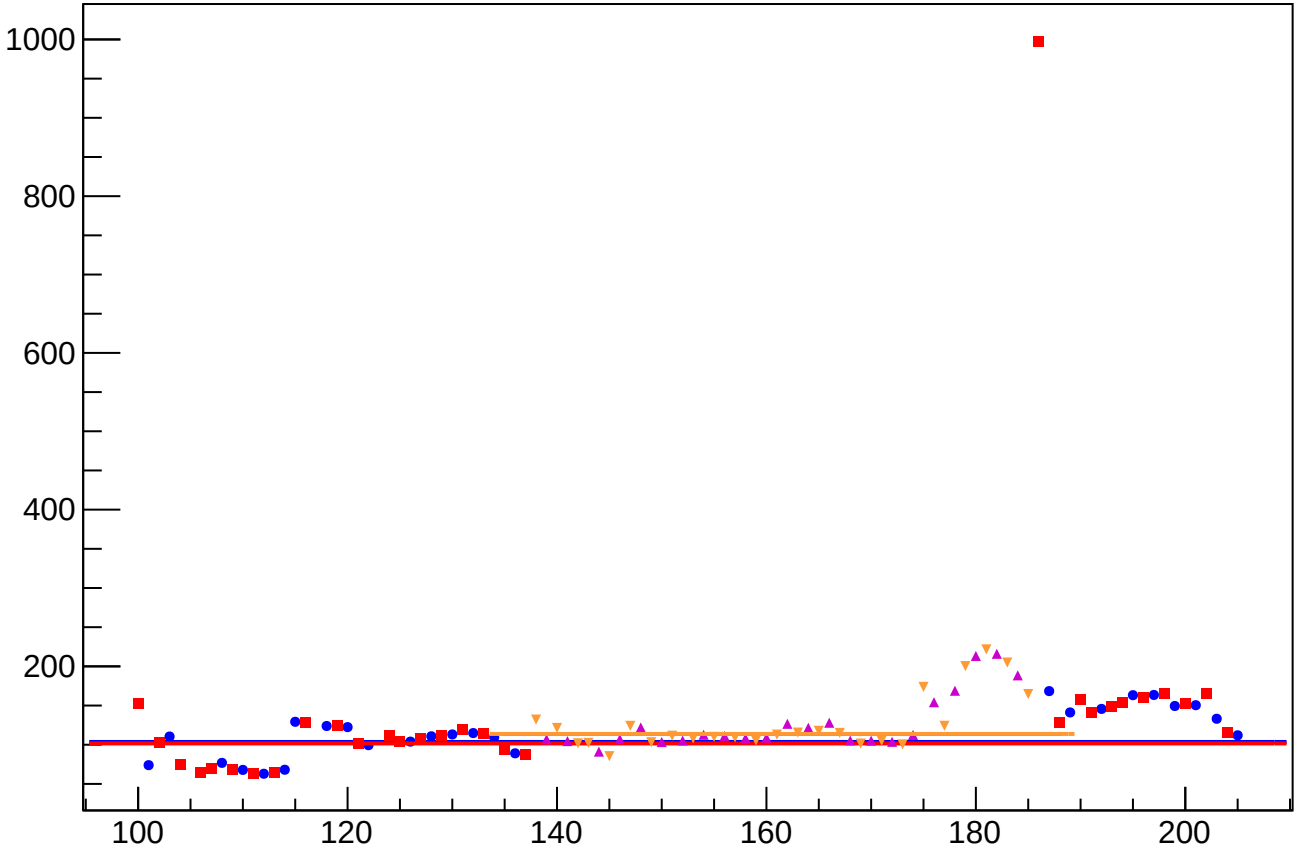
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 7.730+/-19.612 χ^2/NDF: 37.0/49

All: -22.188+/-13.828 χ^2/NDF: 108.7/102

- sign -51.769+/-19.501 χ^2/NDF: 67.1/52

dit_asym_sam_1548_avg_rms vs Slug



Right In: 103.521+/-0.020 χ^2/NDF: 2257738.3/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558453.0/29

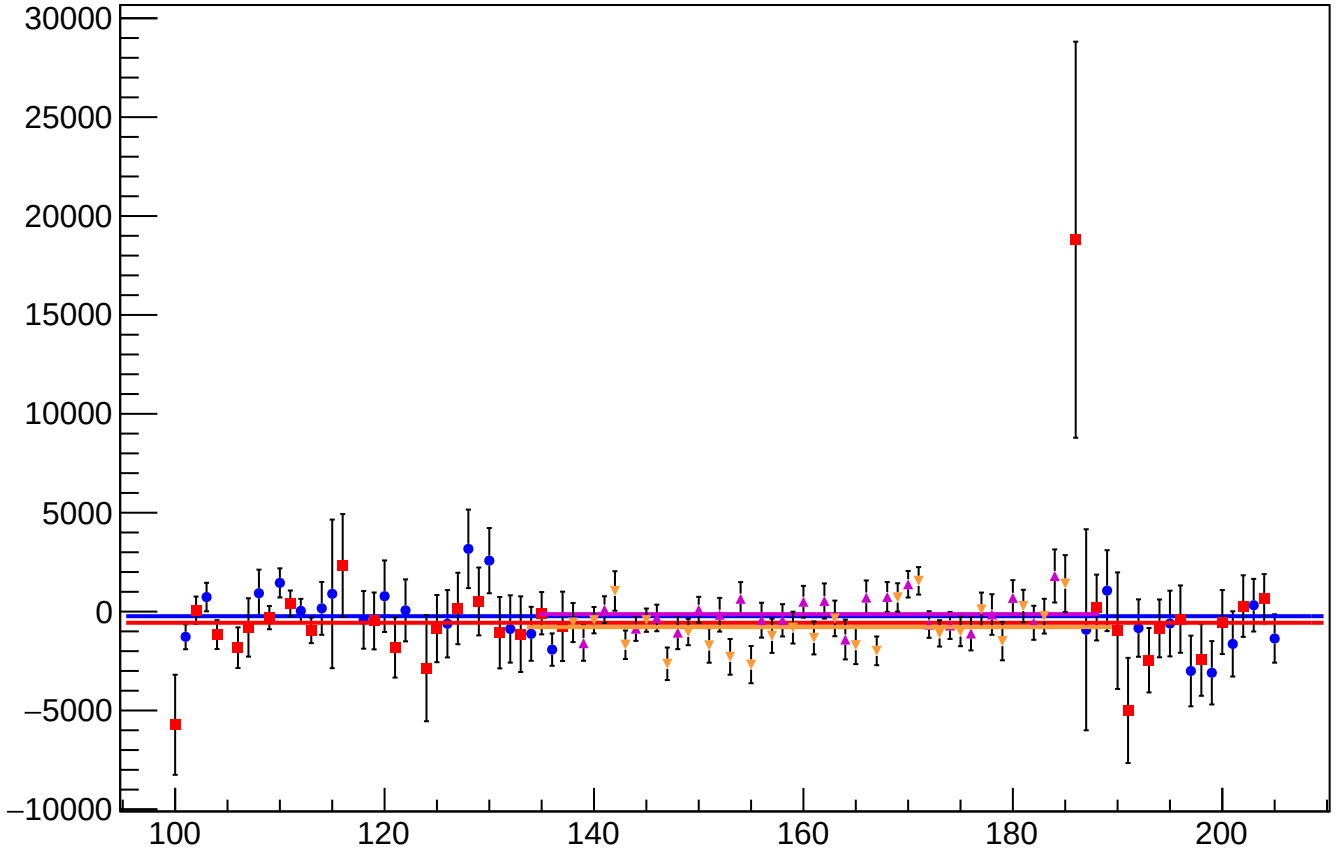
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 109.072+/-0.014 χ^2/NDF: 3973150.5/49

All: 108.415+/-0.010 χ^2/NDF: 9042512.0/102

- sign 107.765+/-0.014 χ^2/NDF: 5064894.7/52

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -232.704+/-233.874 χ^2/NDF: 30.2/24

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -563.919+/-219.567 χ^2/NDF: 24.1/29

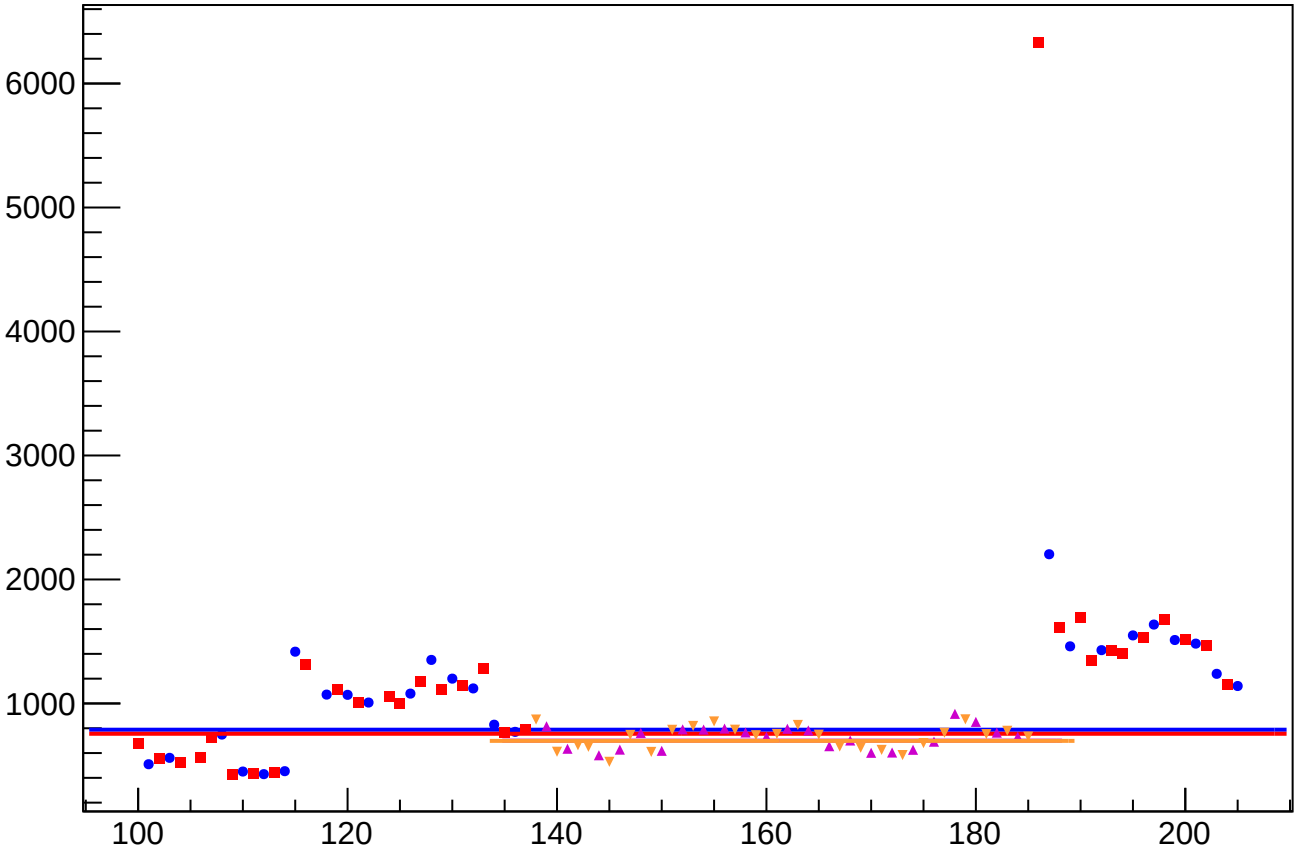
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -607.711+/-132.325 χ^2/NDF: 79.4/49

All: -446.373+/-93.466 χ^2/NDF: 131.7/102

- sign -285.737+/-132.036 χ^2/NDF: 49.4/52

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 788.269+/-0.165 χ^2/NDF: 5266678.0/24

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 755.549+/-0.155 χ^2/NDF: 6975961.5/29

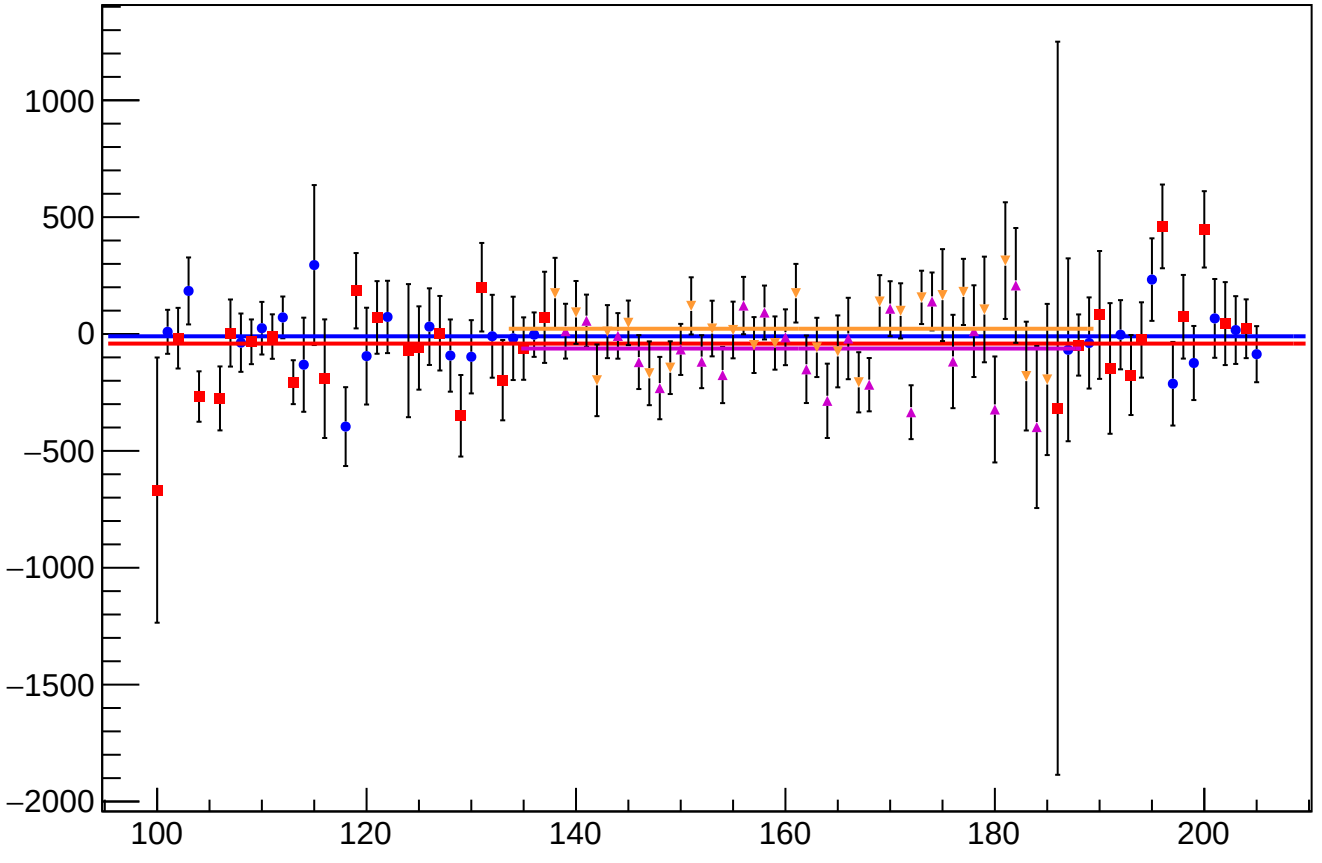
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 727.059+/-0.094 χ^2/NDF: 6182872.2/49

All: 723.591+/-0.066 χ^2/NDF: 13827381.1/10

- sign 720.138+/-0.093 χ^2/NDF: 7641768.1/52

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -9.786+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -40.995+/-27.826 χ^2/NDF: 39.5/29

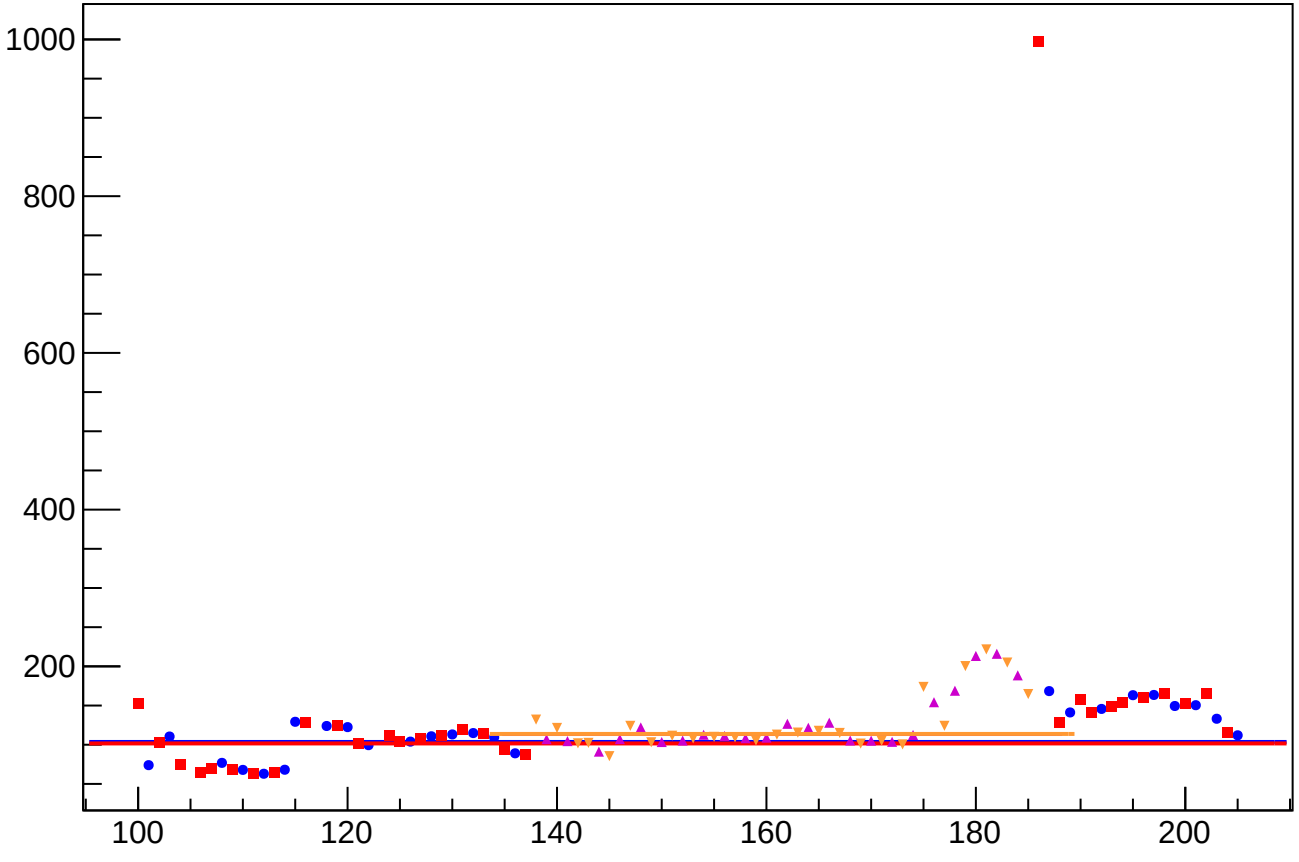
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 7.732+/-19.612 χ^2/NDF: 37.0/49

All: -22.187+/-13.829 χ^2/NDF: 108.7/102

- sign -51.769+/-19.501 χ^2/NDF: 67.1/52

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 103.521+/-0.020 χ^2/NDF: 2257725.0/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558457.3/29

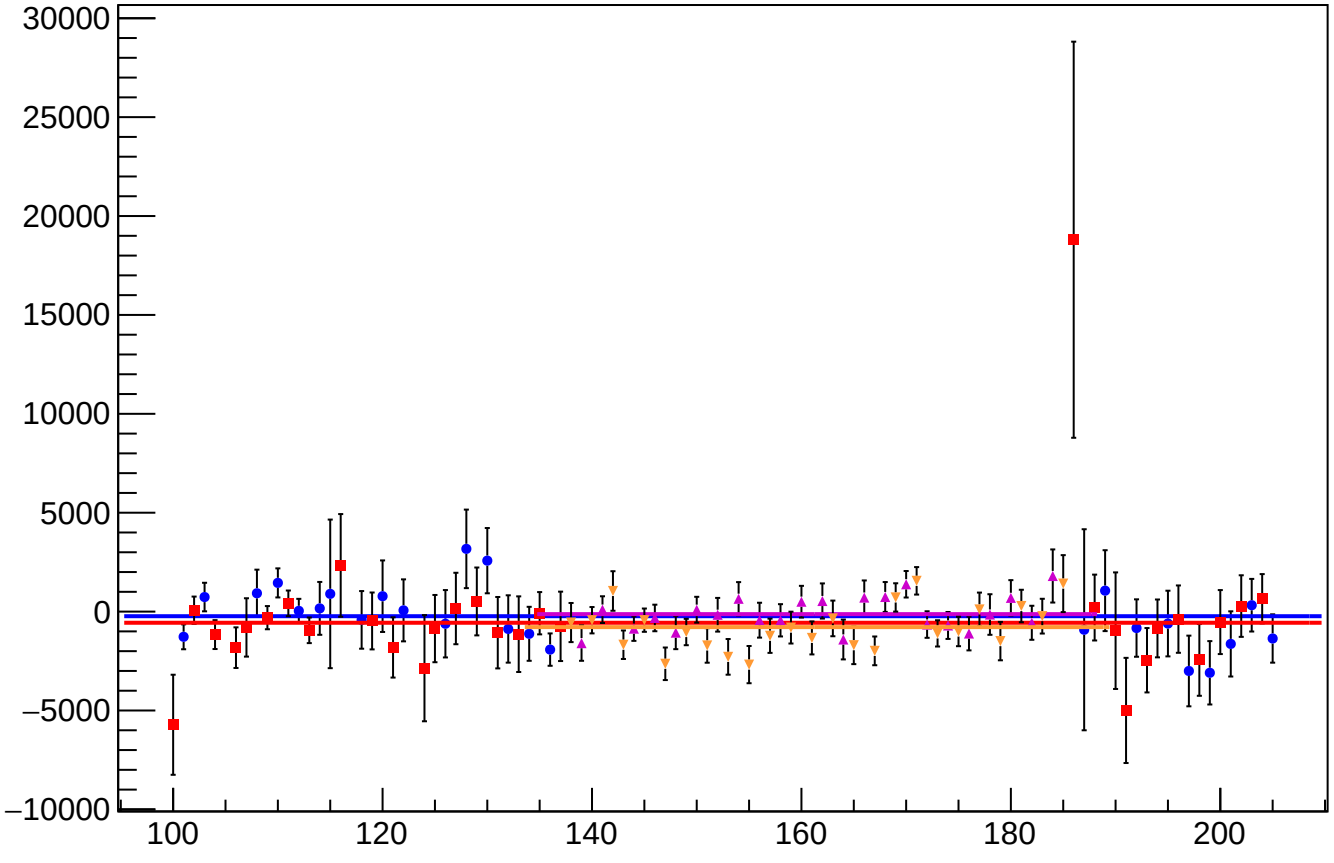
Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 109.072+/-0.014 χ^2/NDF: 3973132.6/49

All: 108.415+/-0.010 χ^2/NDF: 9042483.7/102

- sign 107.765+/-0.014 χ^2/NDF: 5064884.4/52

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug



Right In: -232.704+/-233.873 χ^2/NDF: 30.2/24

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -563.918+/-219.566 χ^2/NDF: 24.1/29

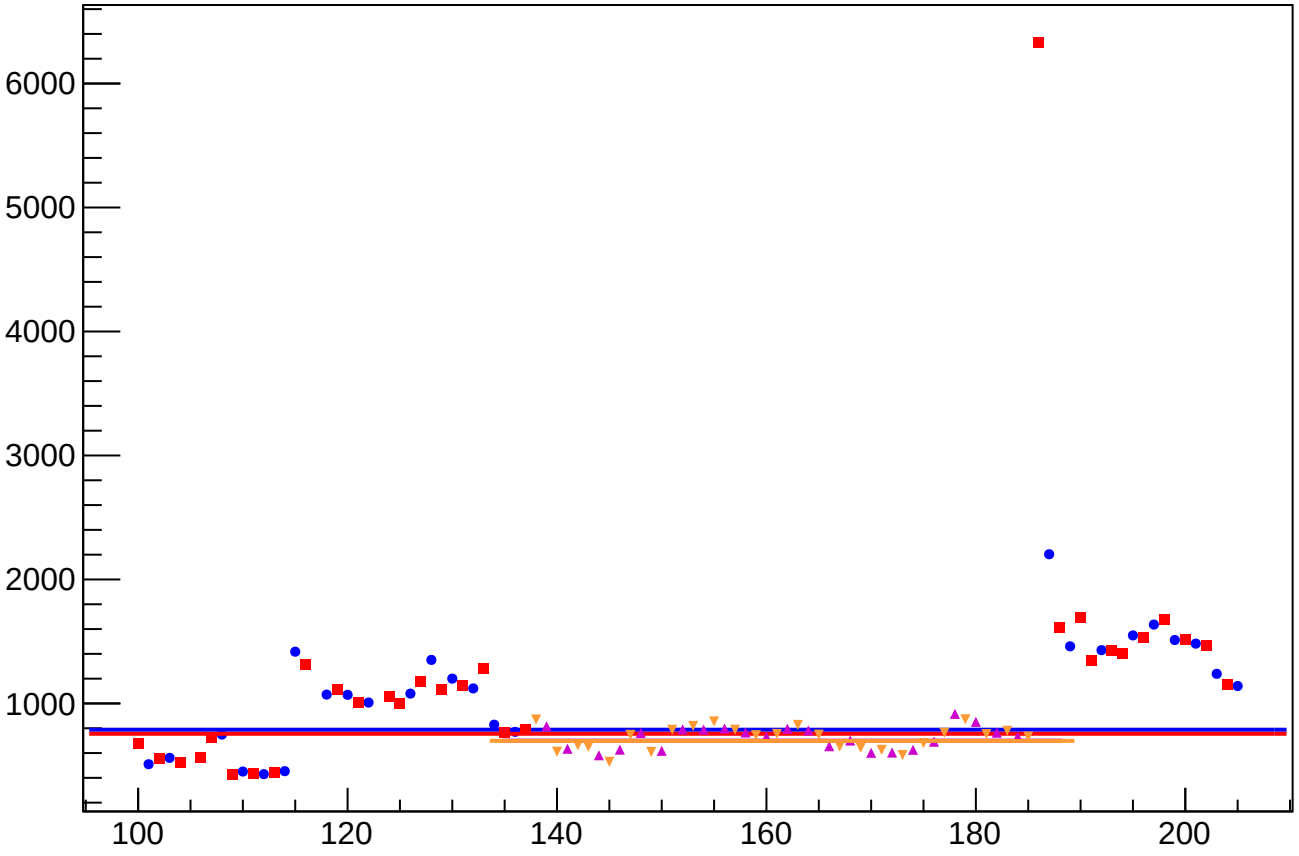
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -607.710+/-132.324 χ^2/NDF: 79.4/49

All: -446.372+/-93.465 χ^2/NDF: 131.7/102

- sign -285.736+/-132.036 χ^2/NDF: 49.4/52

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 788.268+/-0.165 χ^2/NDF: 5266677.6/24

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 755.548+/-0.155 χ^2/NDF: 6975956.2/29

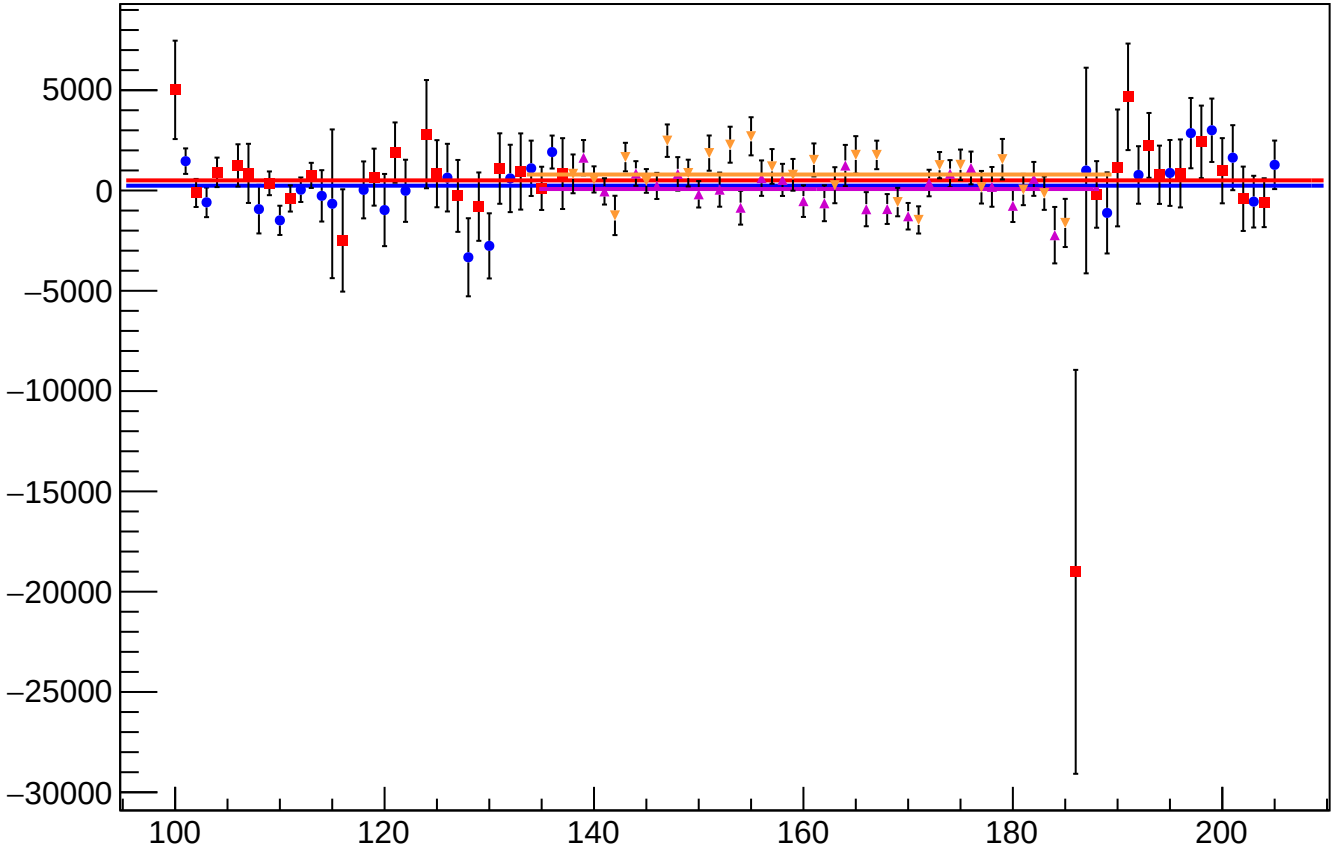
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 727.058+/-0.094 χ^2/NDF: 6182869.8/49

All: 723.590+/-0.066 χ^2/NDF: 13827368.3/10

- sign 720.138+/-0.093 χ^2/NDF: 7641757.7/52

asym_sam_1548_avg_mean vs Slug



Right In: 239.932+/-233.458 χ^2/NDF: 31.7/24

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 504.749+/-219.344 χ^2/NDF: 21.4/29

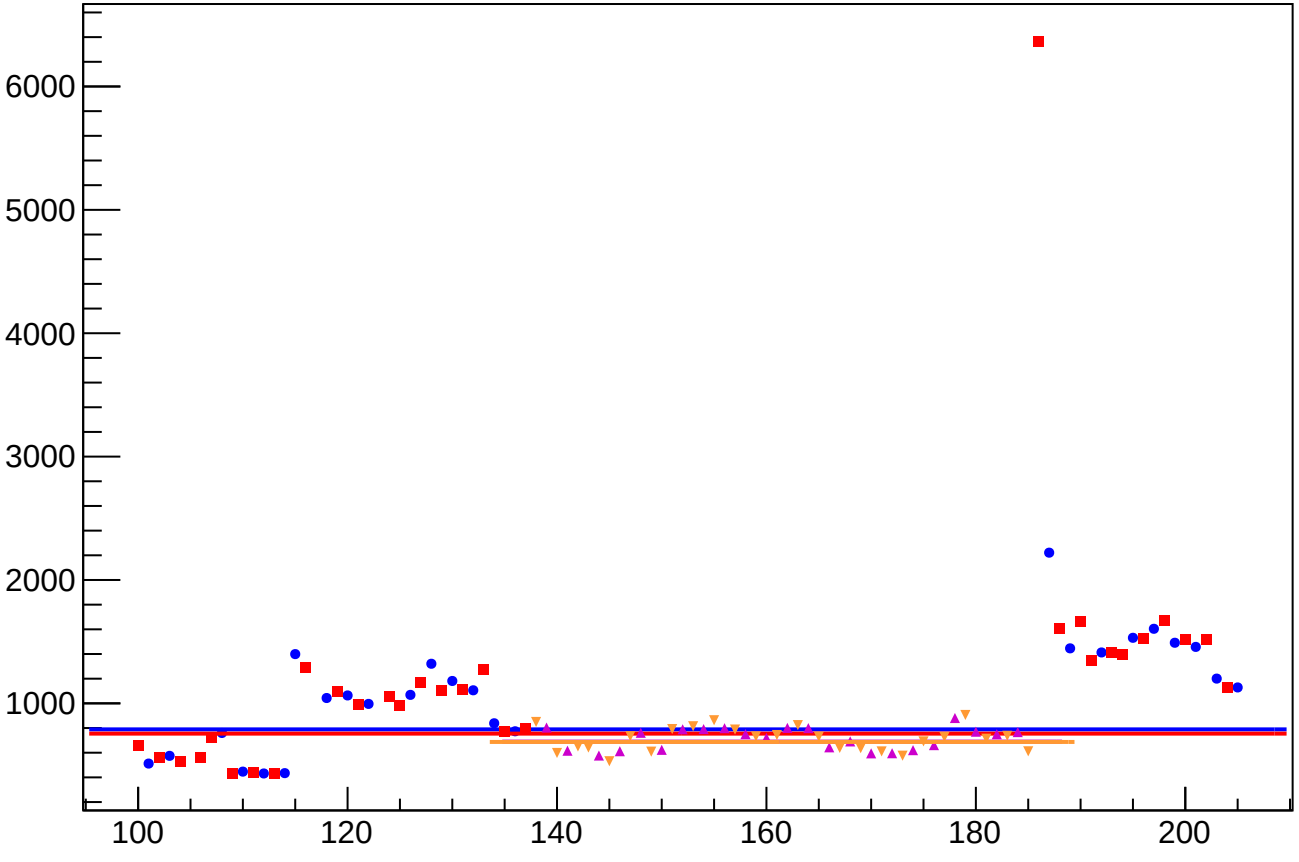
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 621.720+/-130.930 χ^2/NDF: 82.0/49

All: 424.004+/-92.524 χ^2/NDF: 135.3/102

- sign 226.779+/-130.768 χ^2/NDF: 48.7/52

asym_sam_1548_avg_rms vs Slug



Right In: 789.102+/-0.165 χ^2/NDF: 5109810.1/24

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

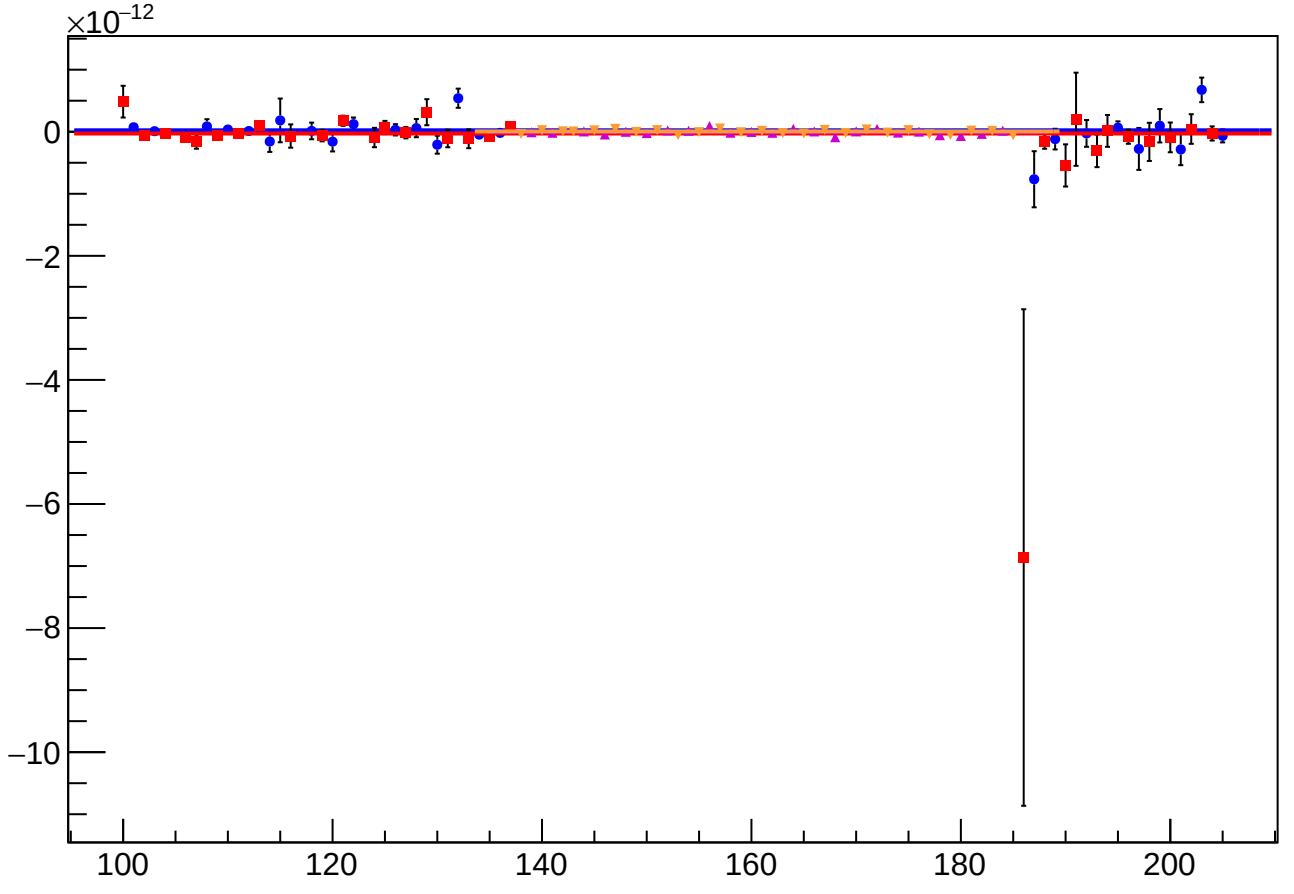
Right Out: 754.705+/-0.155 χ^2/NDF: 6937672.5/29

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 719.281+/-0.093 χ^2/NDF: 6098780.6/49

All: 716.134+/-0.065 χ^2/NDF: 13718041.4/10

- sign 712.996+/-0.092 χ^2/NDF: 7616953.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

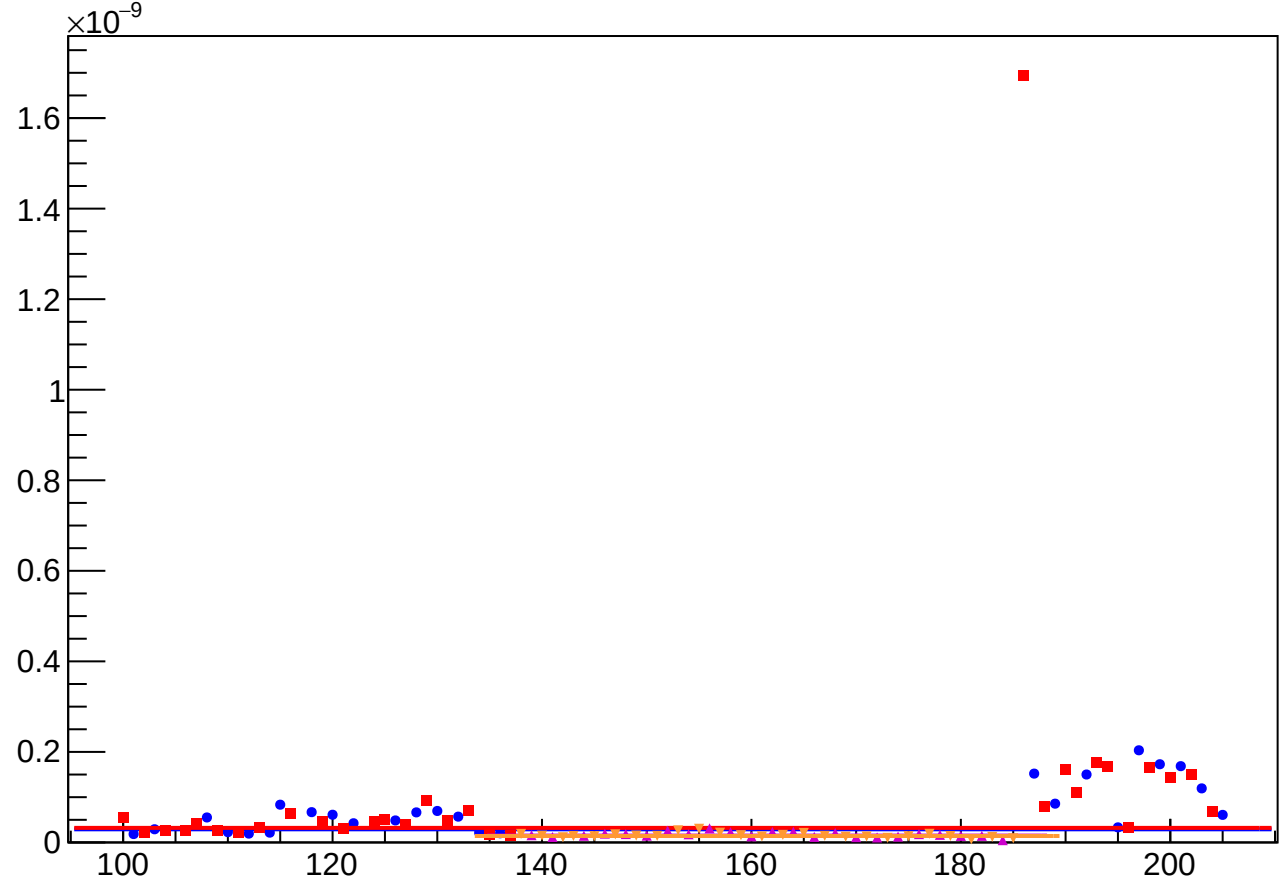
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/29

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/49

All: -0.000+/-0.000 χ^2/NDF: 131.5/102

- sign -0.000+/-0.000 χ^2/NDF: 62.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4758133.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766154.6/29

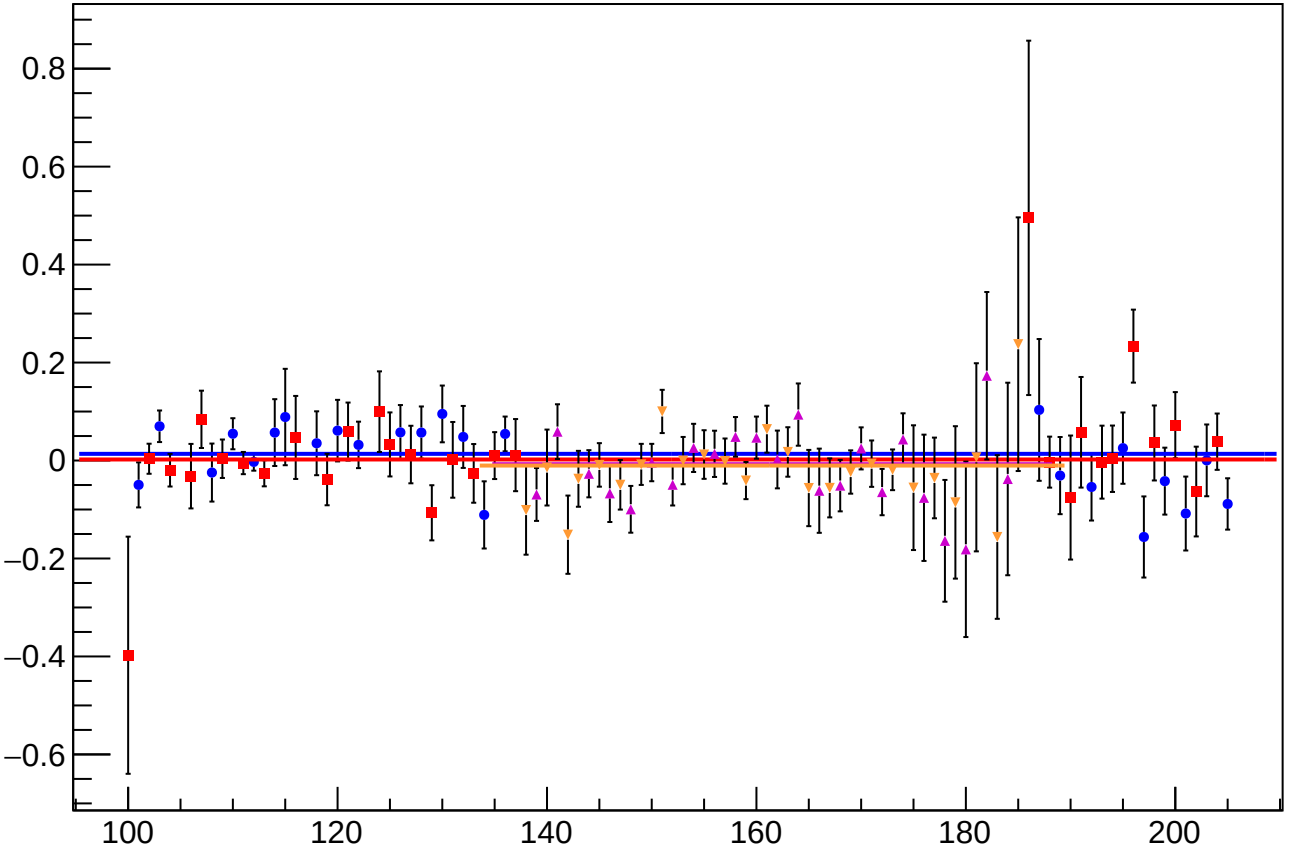
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7509583.1/49

All: 0.000+/-0.000 χ^2/NDF: 15479297.8/102

- sign 0.000+/-0.000 χ^2/NDF: 7919560.3/52

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

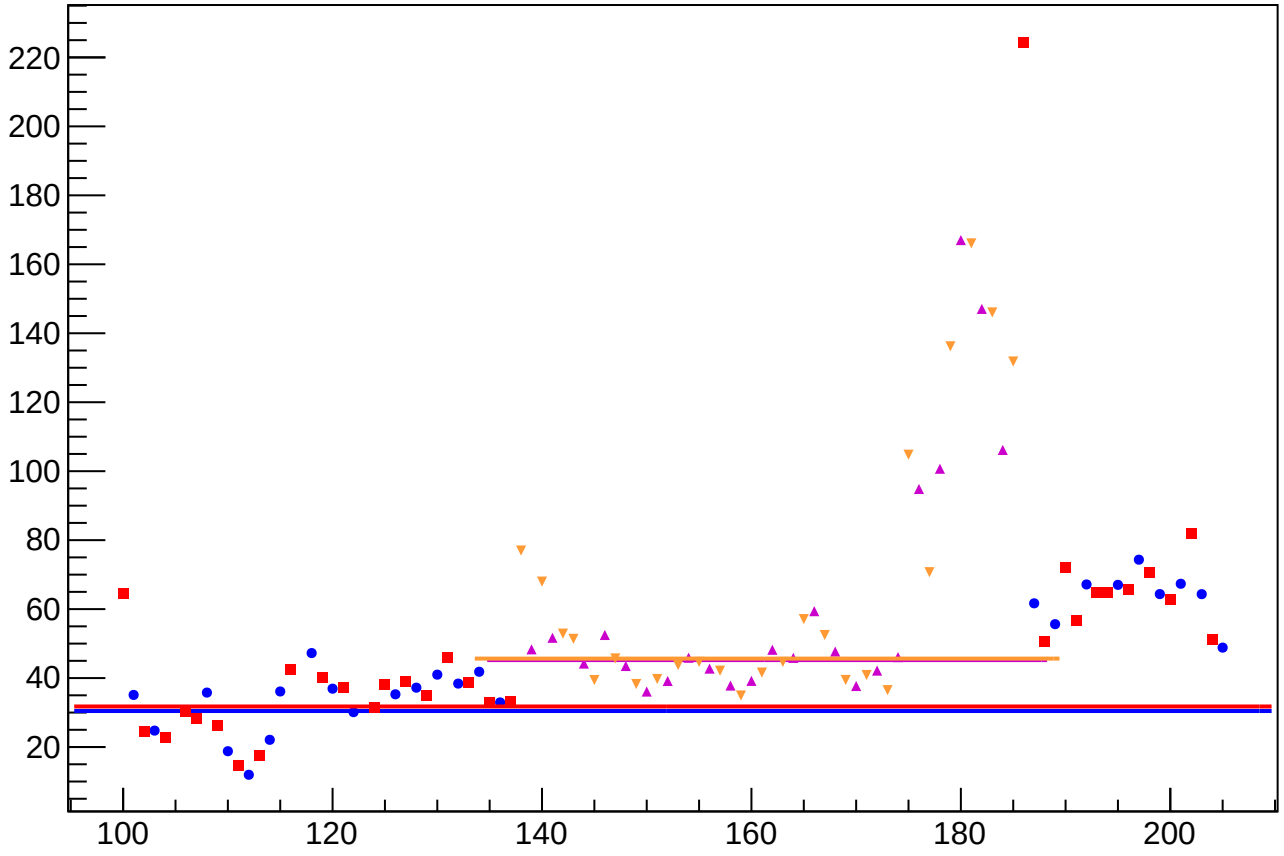
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.0/102

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

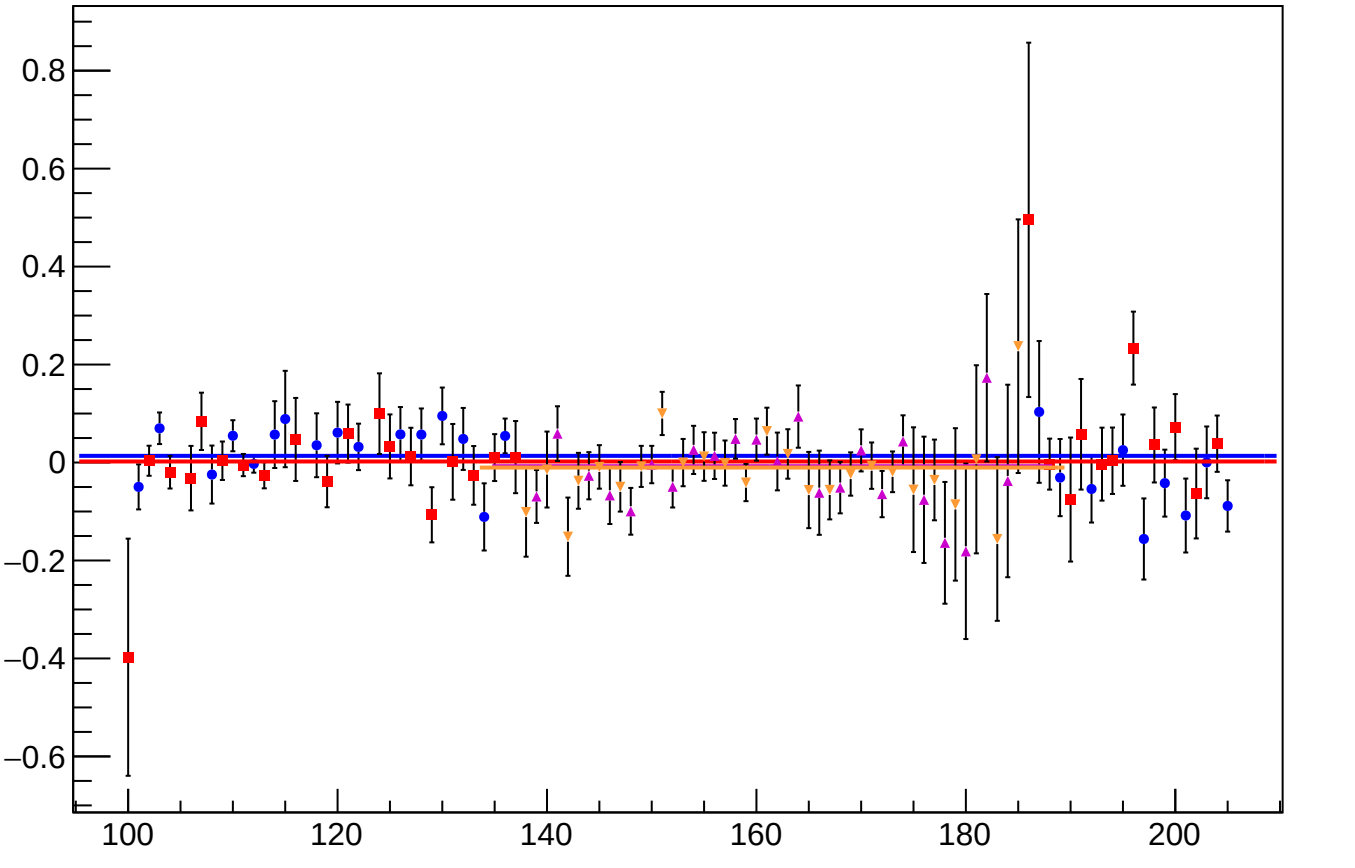
Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.778+/-0.005 χ^2/NDF: 12630394.7/49

All: 36.998+/-0.004 χ^2/NDF: 23783606.2/102

- sign 37.218+/-0.005 χ^2/NDF: 11149554.1/52



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

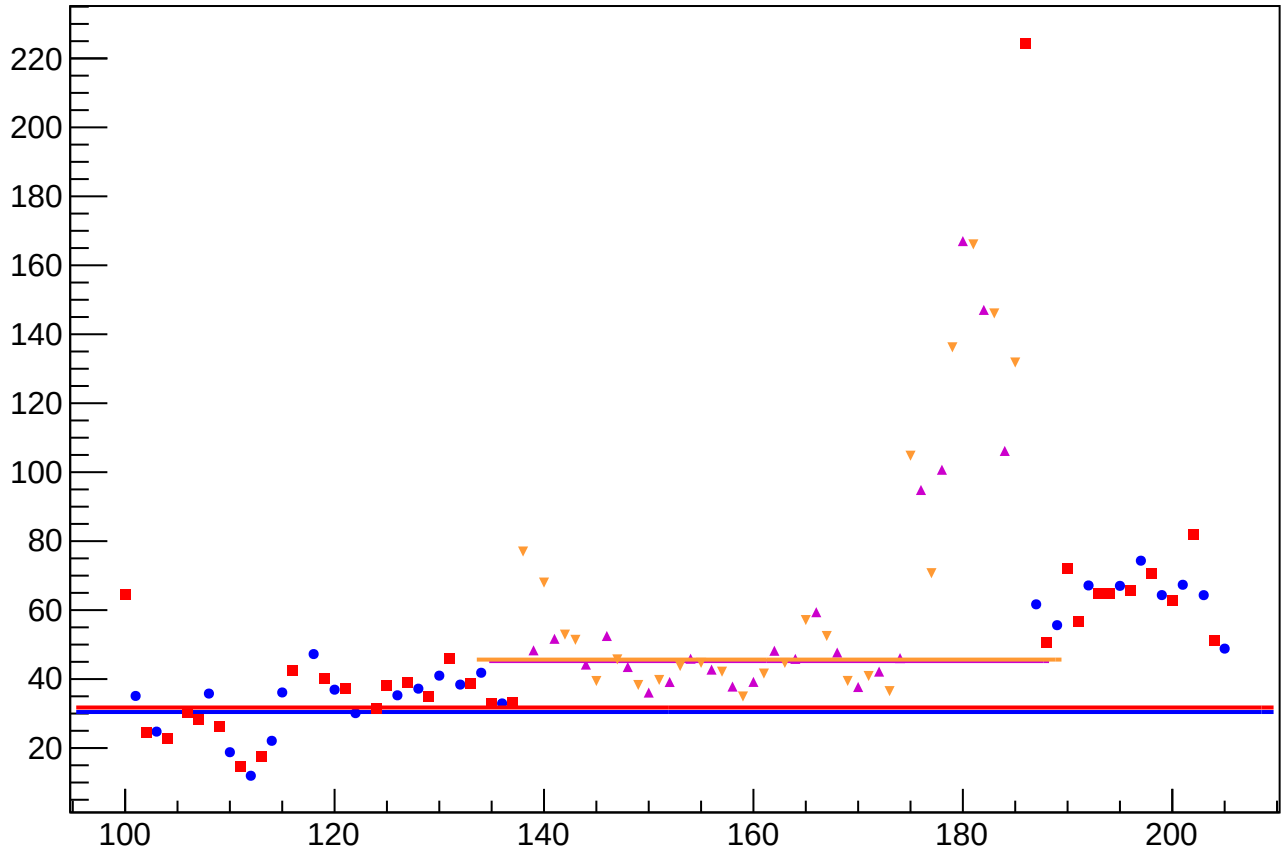
Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.0/102

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

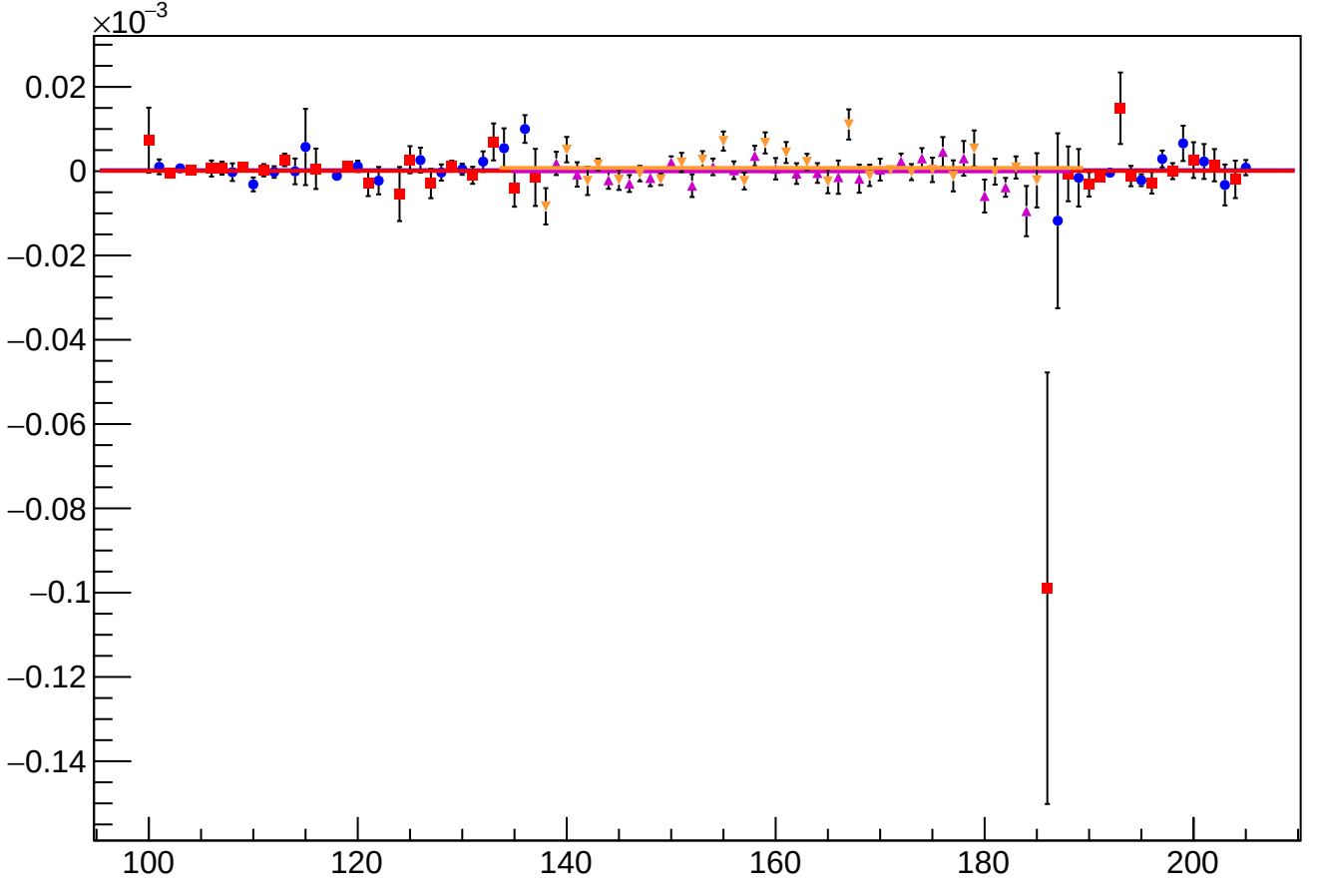
Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.778+/-0.005 χ^2/NDF: 12630394.7/49

All: 36.998+/-0.004 χ^2/NDF: 23783606.2/102

- sign 37.218+/-0.005 χ^2/NDF: 11149554.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

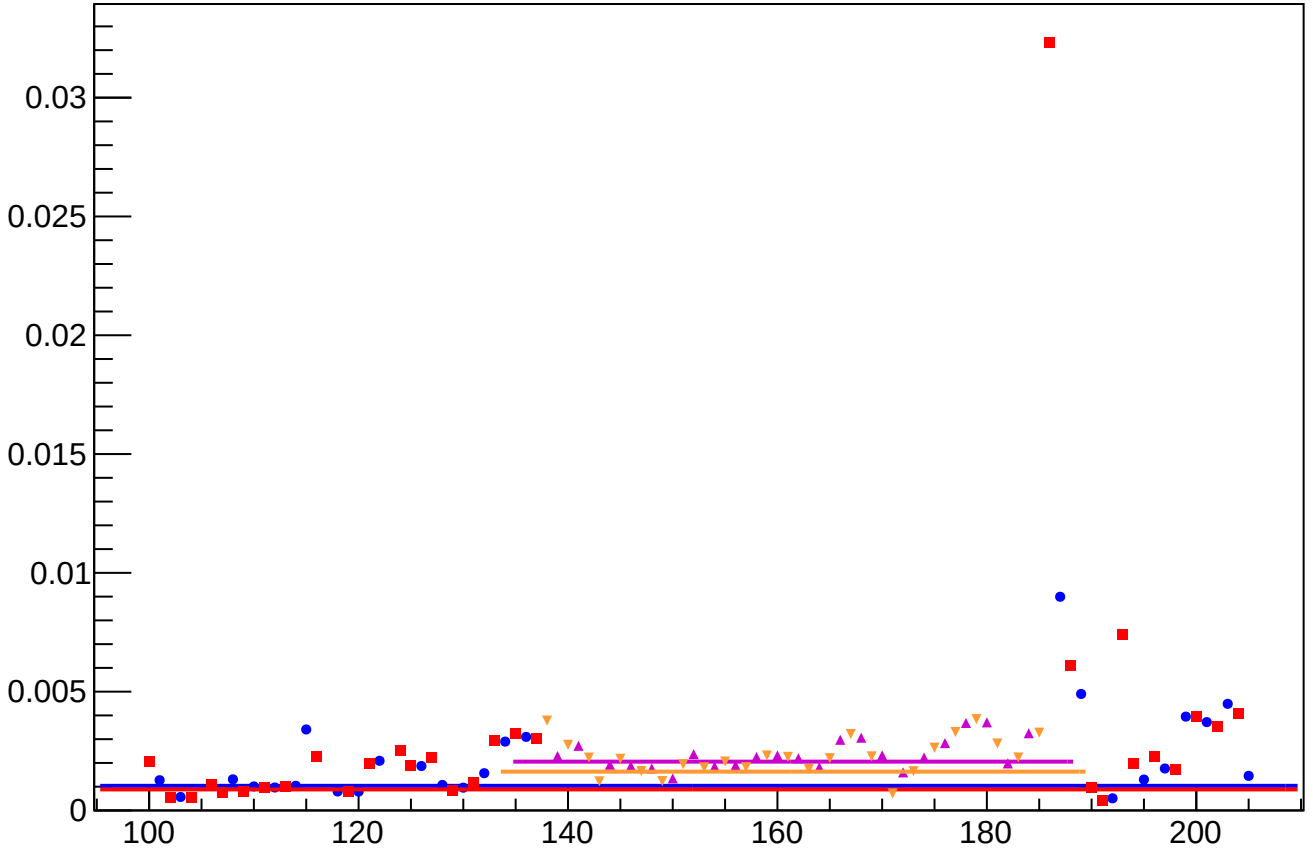
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.0/49

All: 0.000+/-0.000 χ^2/NDF: 127.8/102

- sign 0.000+/-0.000 χ^2/NDF: 51.7/52

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7436510.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

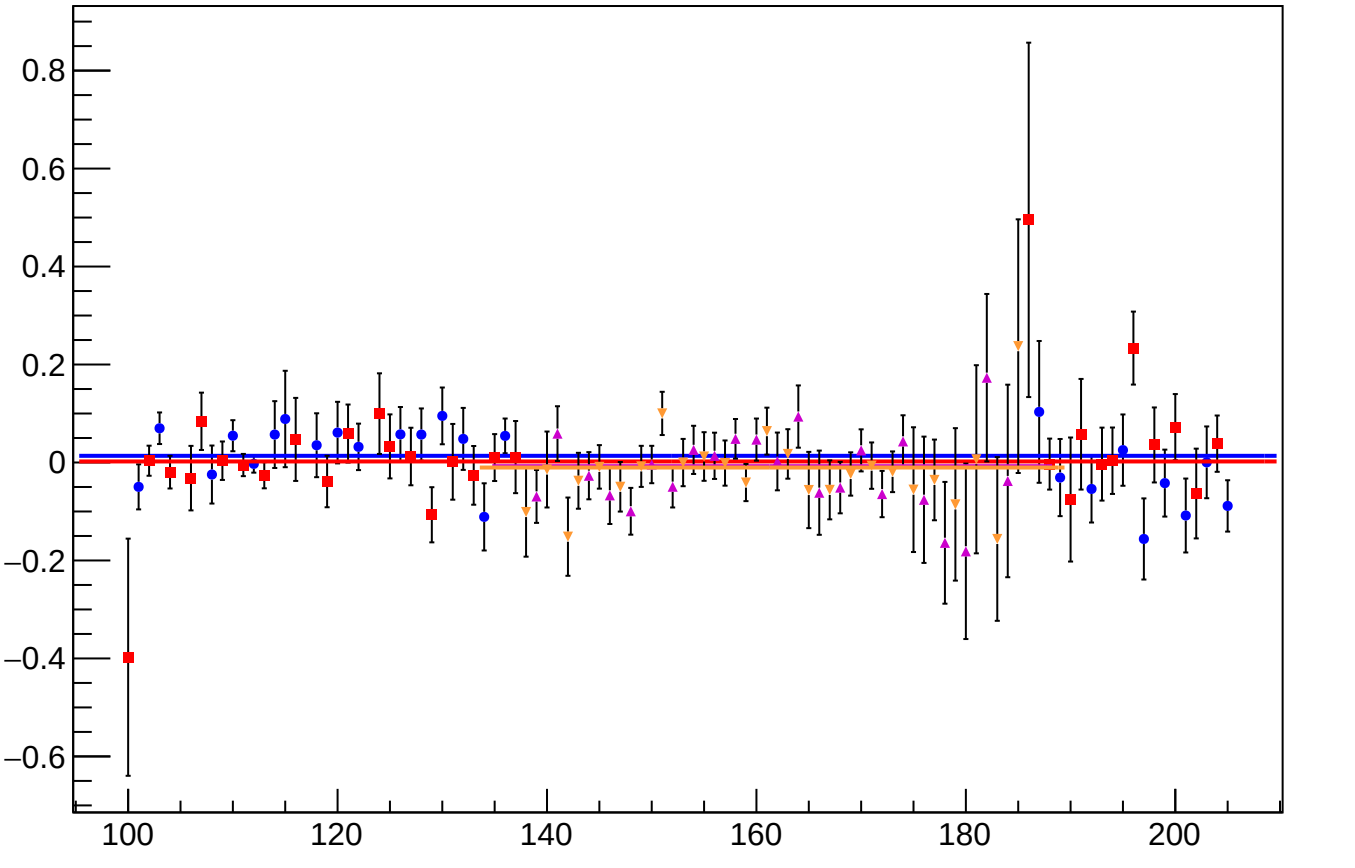
Right Out: 0.001+/-0.000 χ^2/NDF: 11737725.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16396535.8/49

All: 0.001+/-0.000 χ^2/NDF: 38371659.1/102

- sign 0.001+/-0.000 χ^2/NDF: 21853795.7/52



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

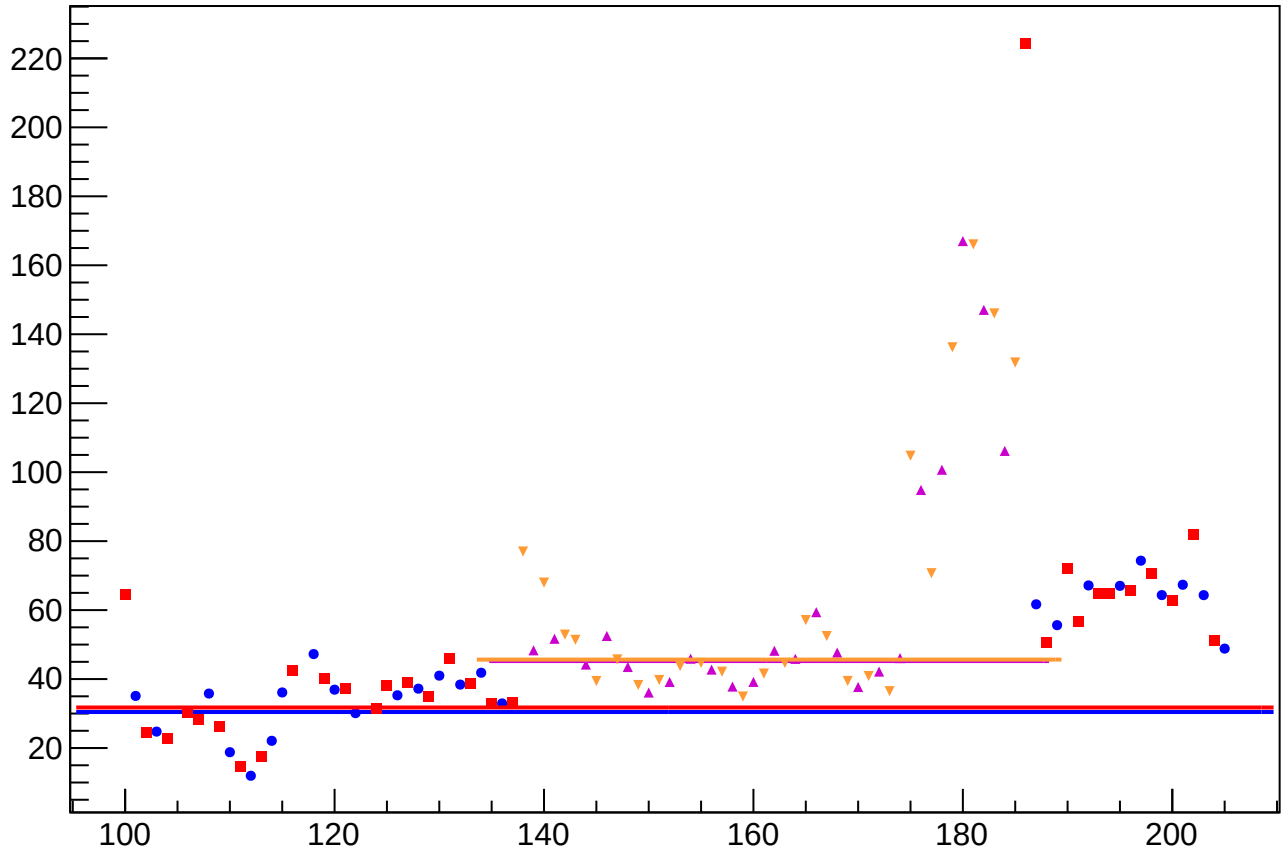
Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.0/102

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

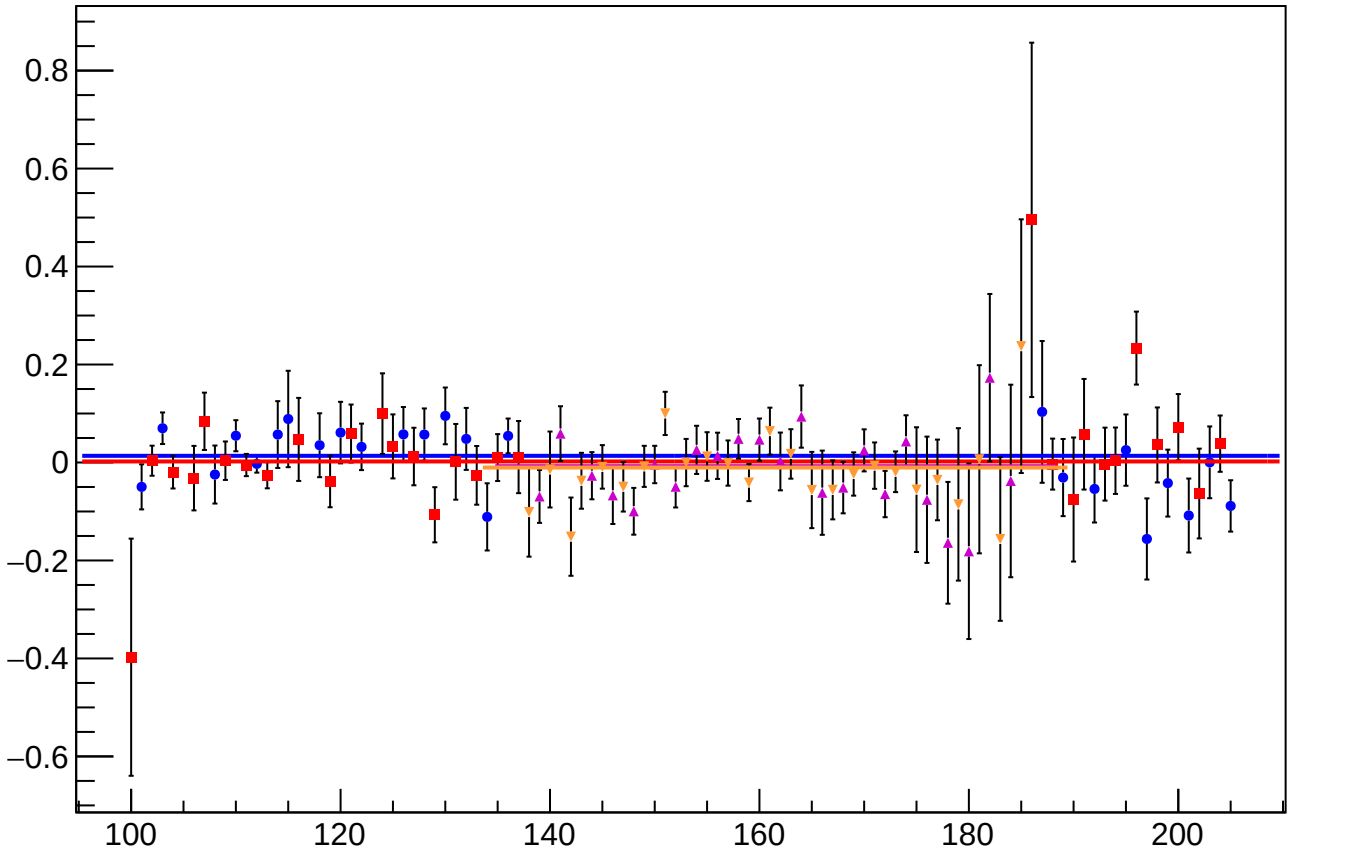
Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.777+/-0.005 χ^2/NDF: 12630849.9/49

All: 36.998+/-0.004 χ^2/NDF: 23784429.0/102

- sign 37.217+/-0.005 χ^2/NDF: 11149919.1/52



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

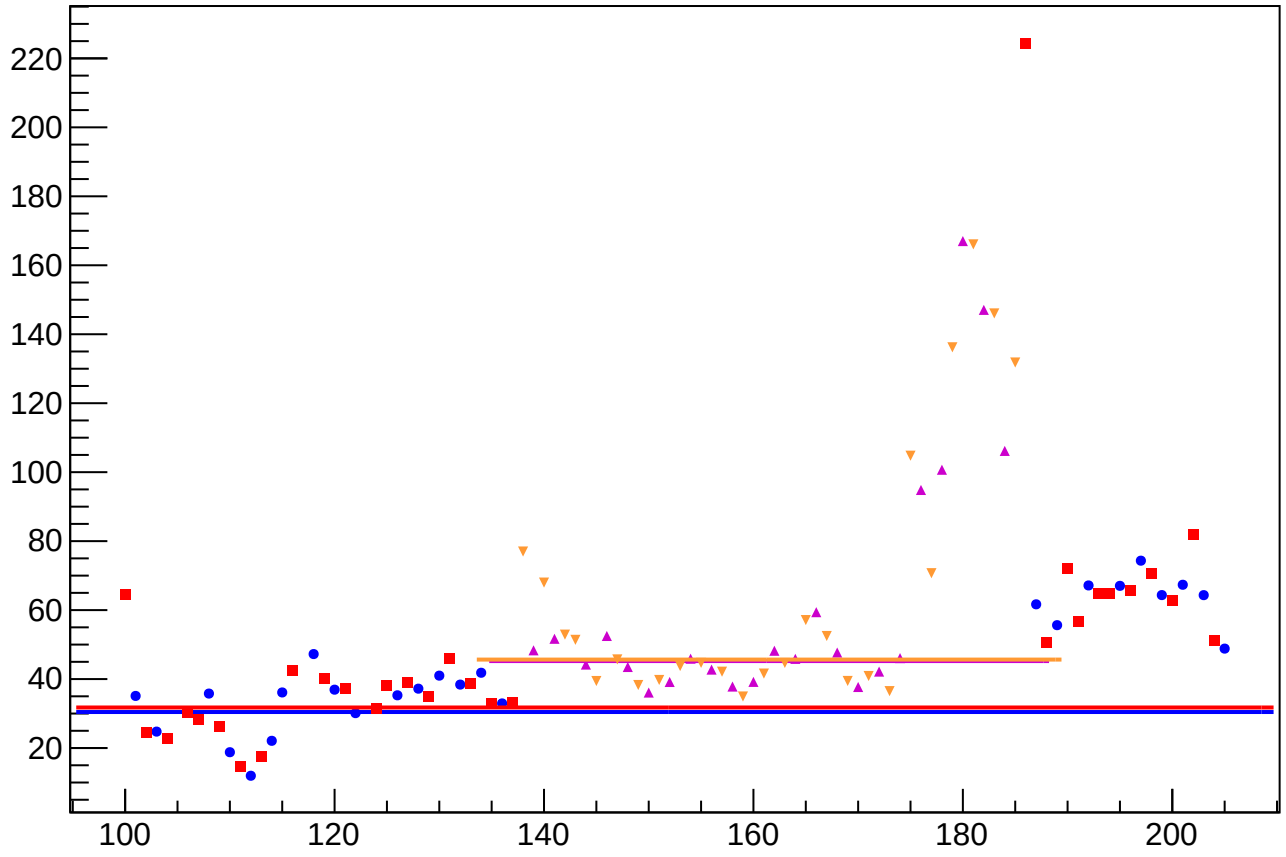
Right Out: 0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.0/102

- sign -0.002+/-0.007 χ^2/NDF: 52.1/52



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

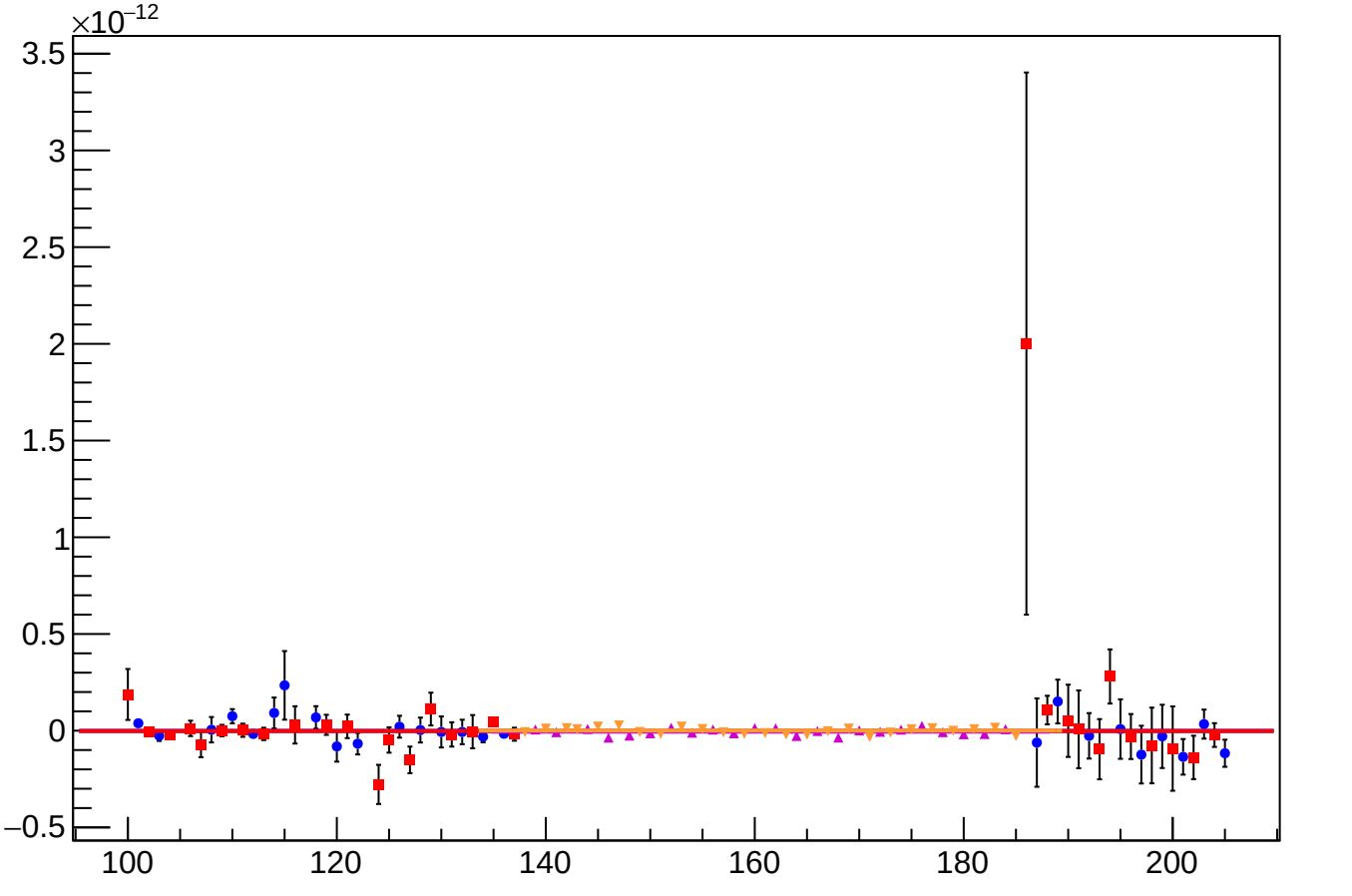
Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.777+/-0.005 χ^2/NDF: 12630849.9/49

All: 36.998+/-0.004 χ^2/NDF: 23784429.0/102

- sign 37.217+/-0.005 χ^2/NDF: 11149919.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

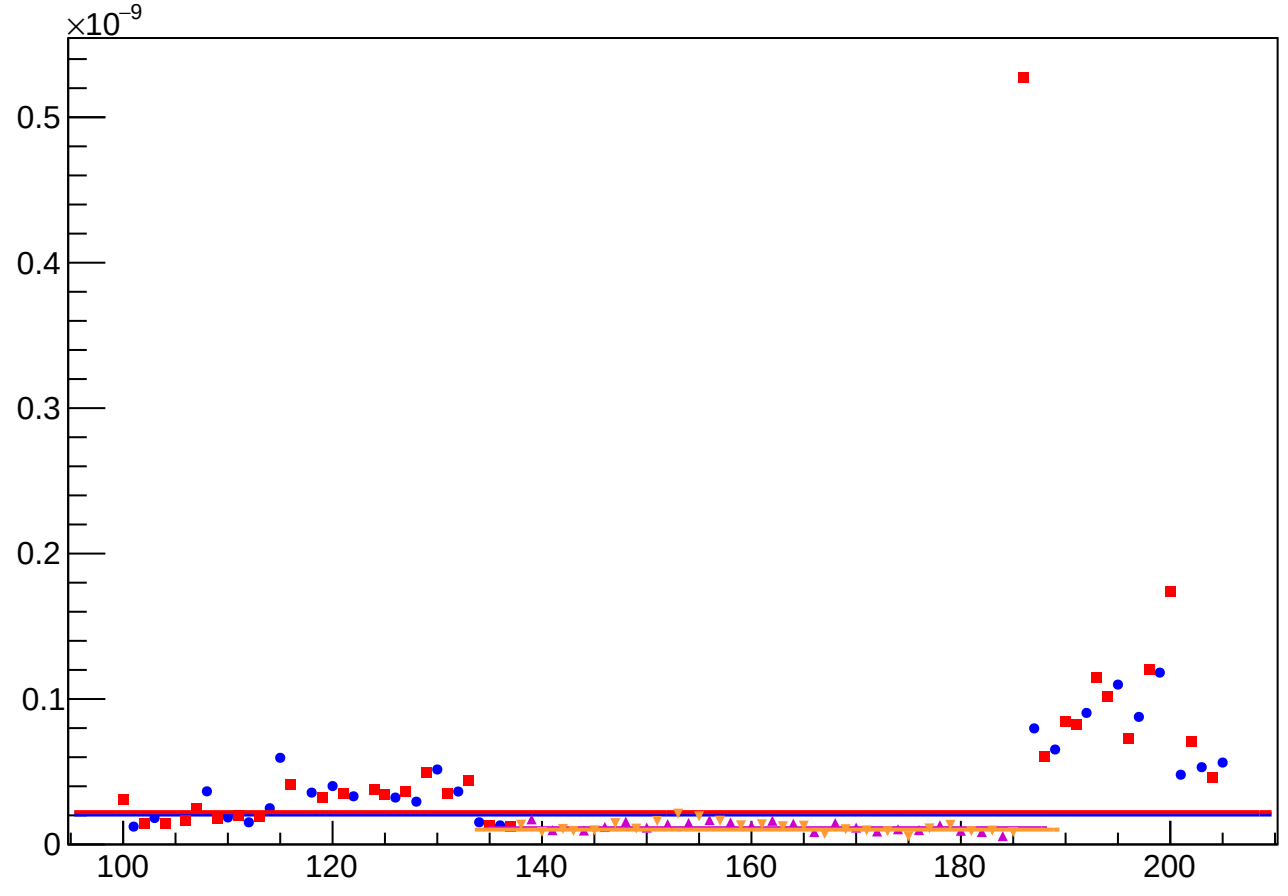
Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/29

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/49

All: -0.000+/-0.000 χ^2/NDF: 111.4/102

- sign -0.000+/-0.000 χ^2/NDF: 57.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 6088119.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6936556.2/29

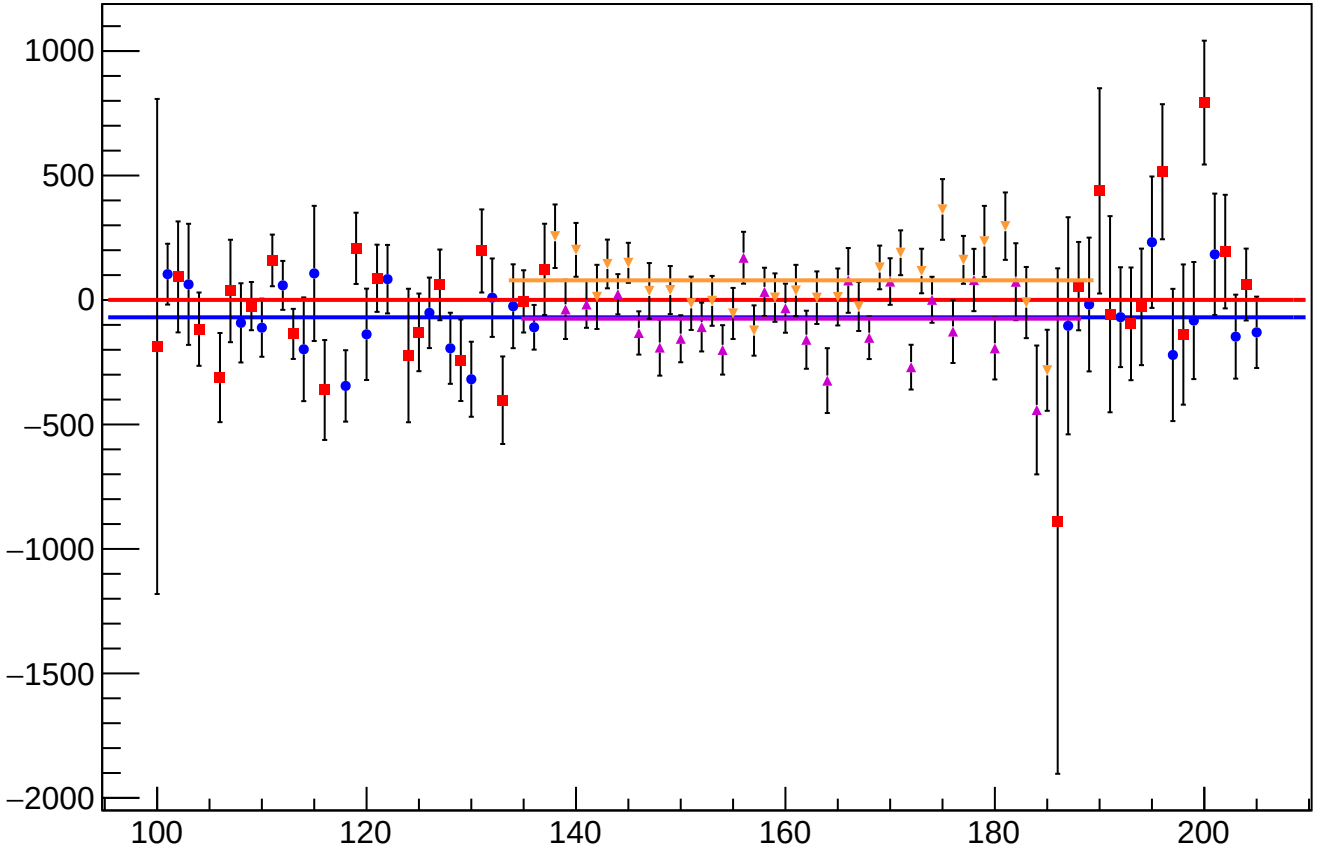
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11042090.0/49

All: 0.000+/-0.000 χ^2/NDF: 22434419.3/102

- sign 0.000+/-0.000 χ^2/NDF: 11241347.9/52

reg_asym_sam_3748_avg_mean vs Slug



Right In: -69.555+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 0.423+/-30.932 χ^2/NDF: 41.9/29

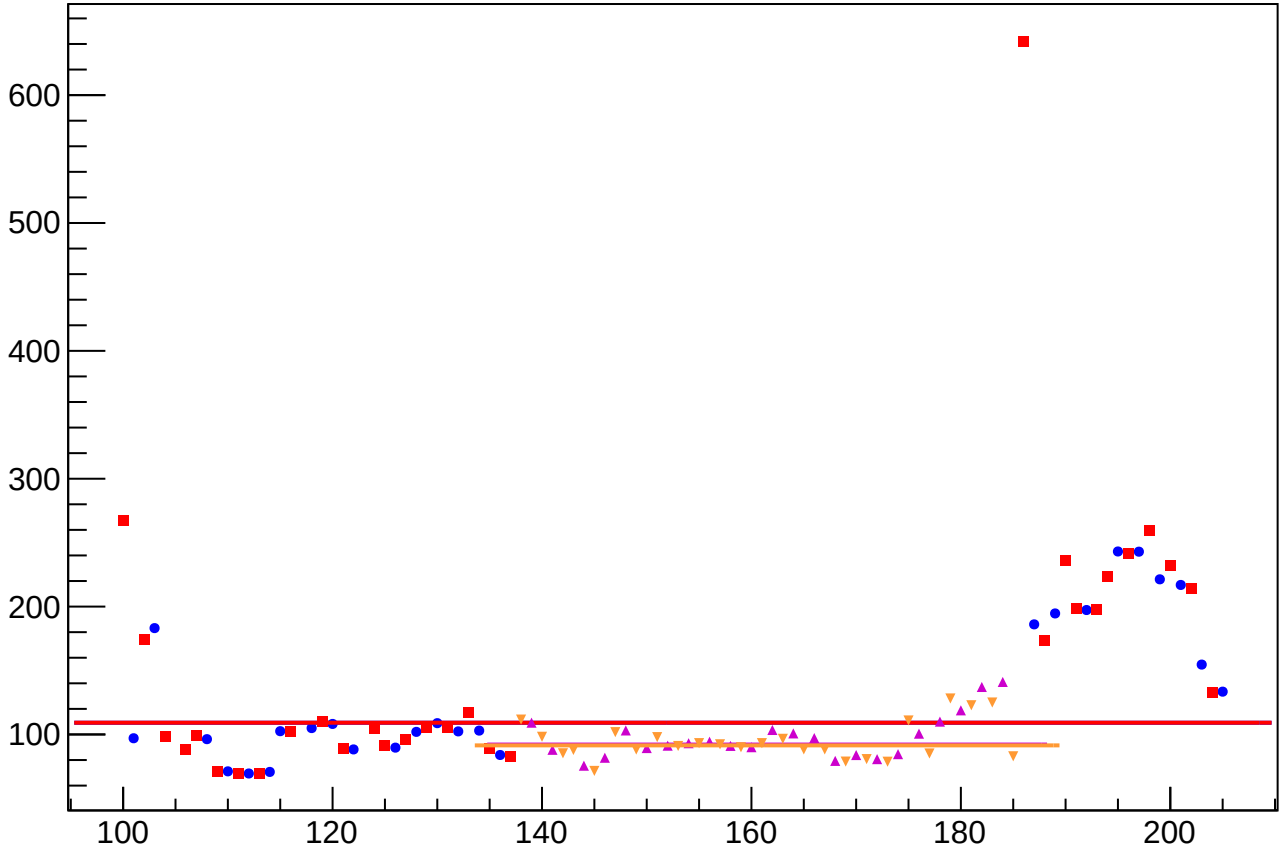
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 33.238+/-17.548 χ^2/NDF: 64.5/49

All: -7.668+/-12.510 χ^2/NDF: 154.0/102

- sign -49.945+/-17.839 χ^2/NDF: 78.5/52

reg_asym_sam_3748_avg_rms vs Slug



Right In: 109.152+/-0.022 χ^2/NDF: 3802038.5/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.194+/-0.022 χ^2/NDF: 5277083.9/29

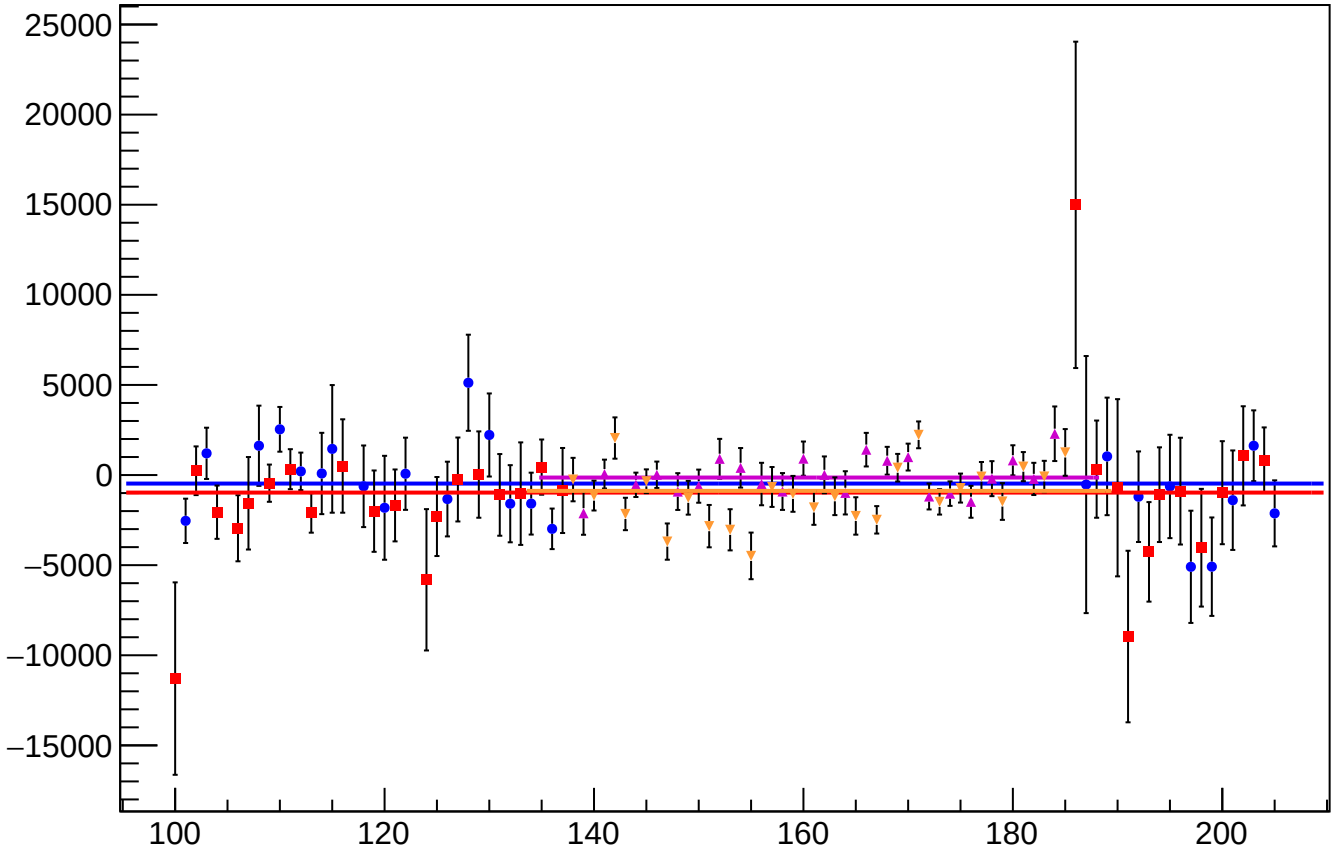
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.919+/-0.012 χ^2/NDF: 4986862.6/49

All: 97.345+/-0.009 χ^2/NDF: 11373539.6/102

- sign 97.786+/-0.013 χ^2/NDF: 6384277.0/52

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -472.641+/-377.979 χ^2/NDF: 31.1/24

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -973.291+/-365.127 χ^2/NDF: 22.7/29

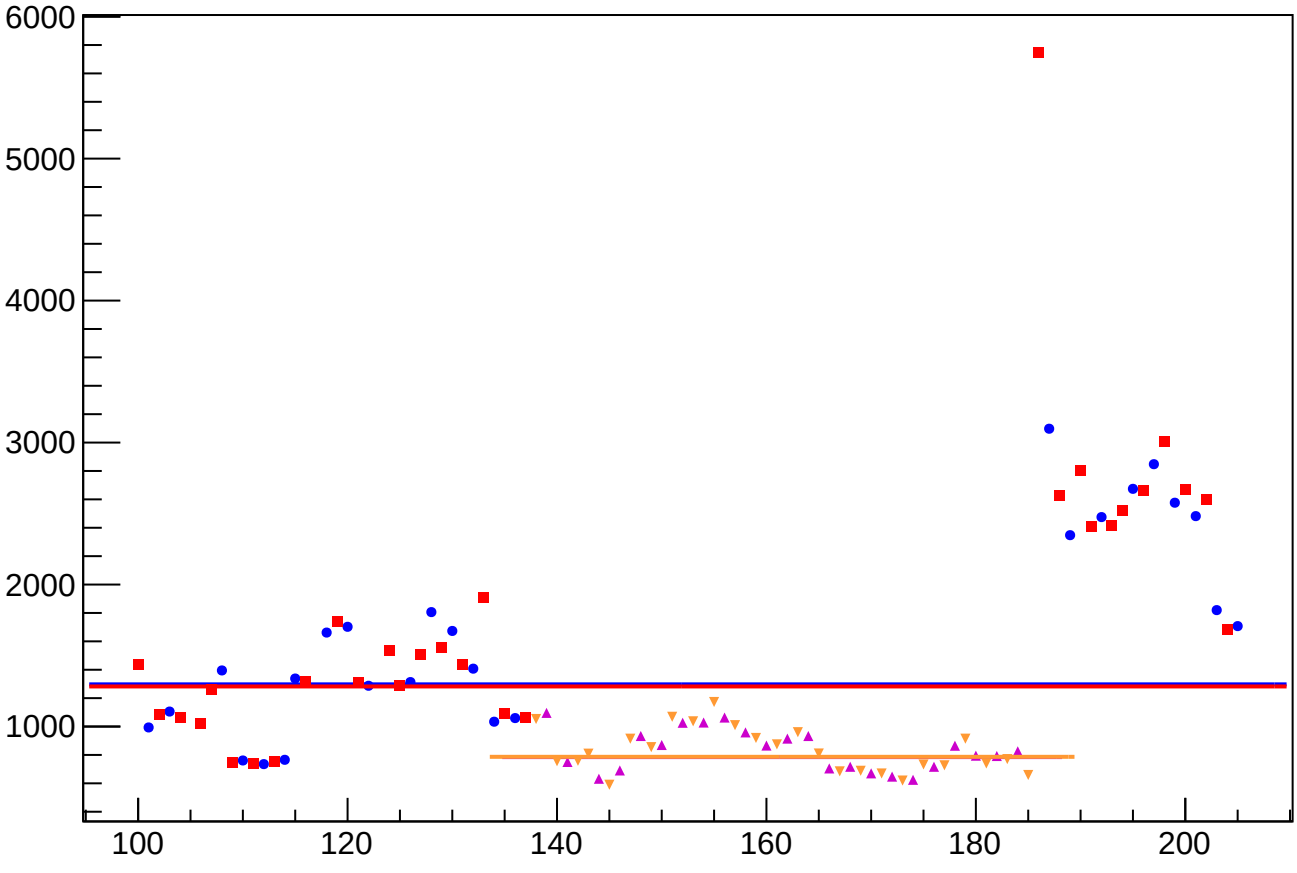
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -801.954+/-164.118 χ^2/NDF: 99.8/49

All: -559.739+/-116.757 χ^2/NDF: 155.2/102

- sign -311.518+/-166.140 χ^2/NDF: 51.0/52

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1297.091+/-0.267 χ^2/NDF: 4369964.7/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1282.364+/-0.258 χ^2/NDF: 5975193.9/29

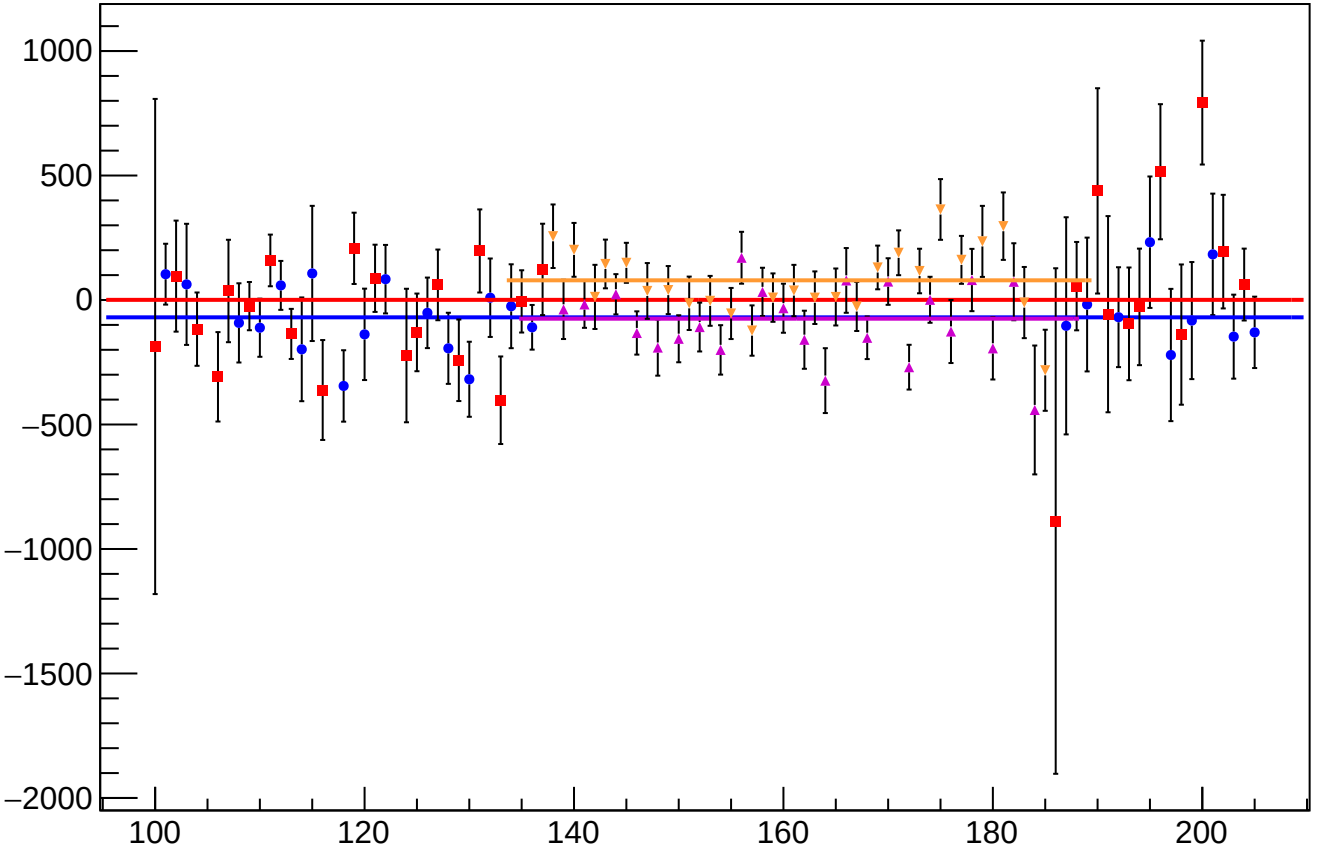
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 882.970+/-0.116 χ^2/NDF: 8539371.2/49

All: 885.377+/-0.083 χ^2/NDF: 18523817.0/10

- sign 887.843+/-0.117 χ^2/NDF: 9983574.9/52

cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 0.632+/-30.935 χ^2/NDF: 41.8/29

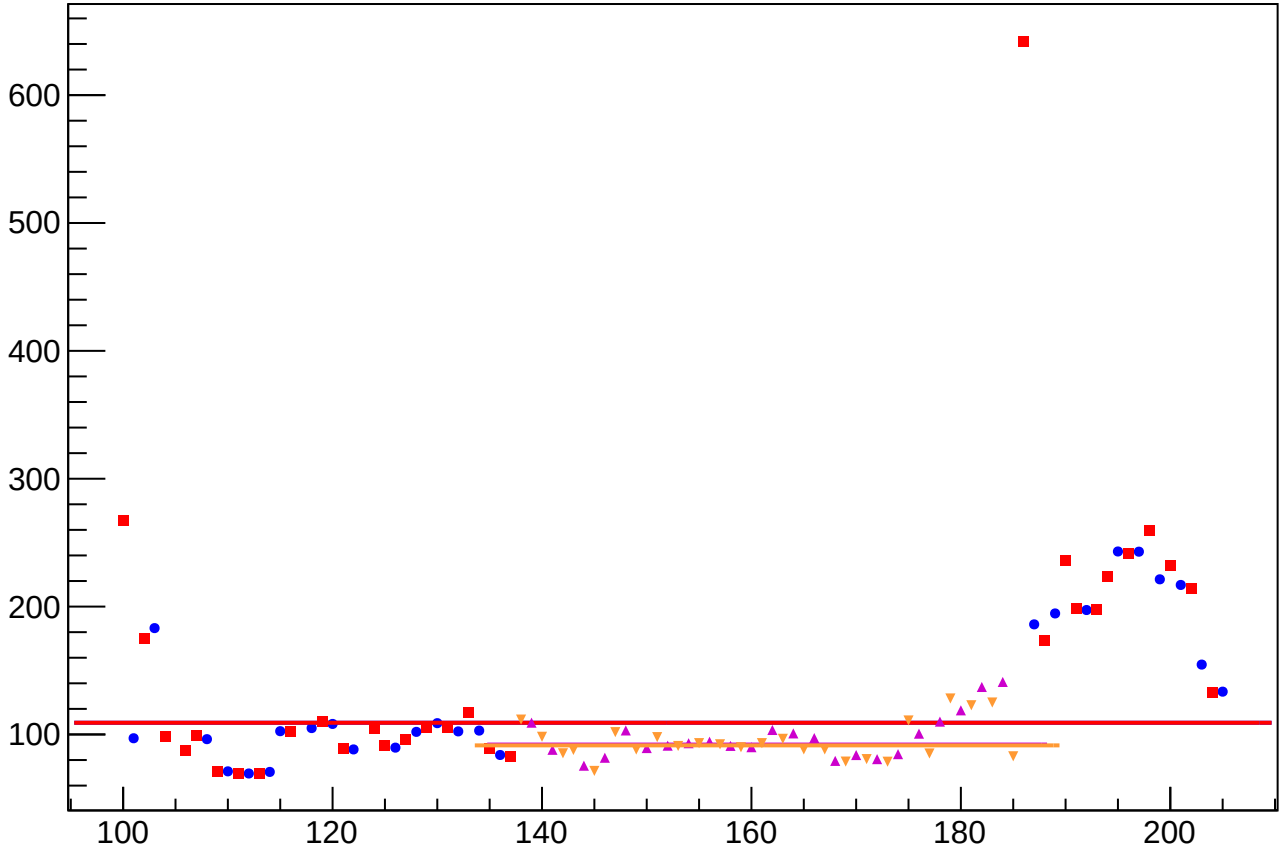
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 33.241+/-17.548 χ^2/NDF: 64.5/49

All: -7.633+/-12.510 χ^2/NDF: 154.0/102

- sign -49.879+/-17.840 χ^2/NDF: 78.4/52

cor_asym_sam_3748_avg_rms vs Slug



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

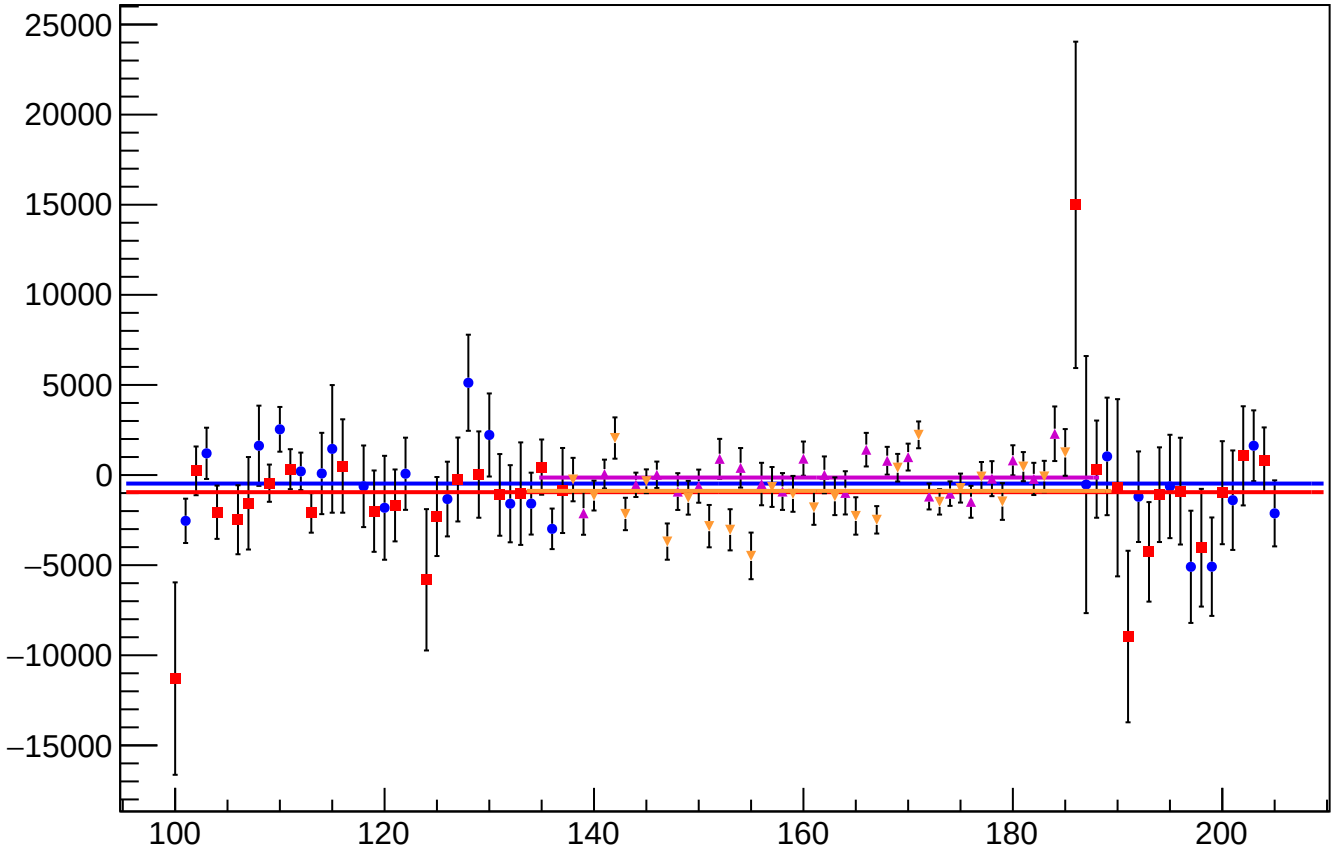
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.919+/-0.012 χ^2/NDF: 4986865.8/49

All: 97.339+/-0.009 χ^2/NDF: 11375279.6/102

- sign 97.774+/-0.013 χ^2/NDF: 6386081.9/52

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -950.273+/-365.738 χ^2/NDF: 22.1/29

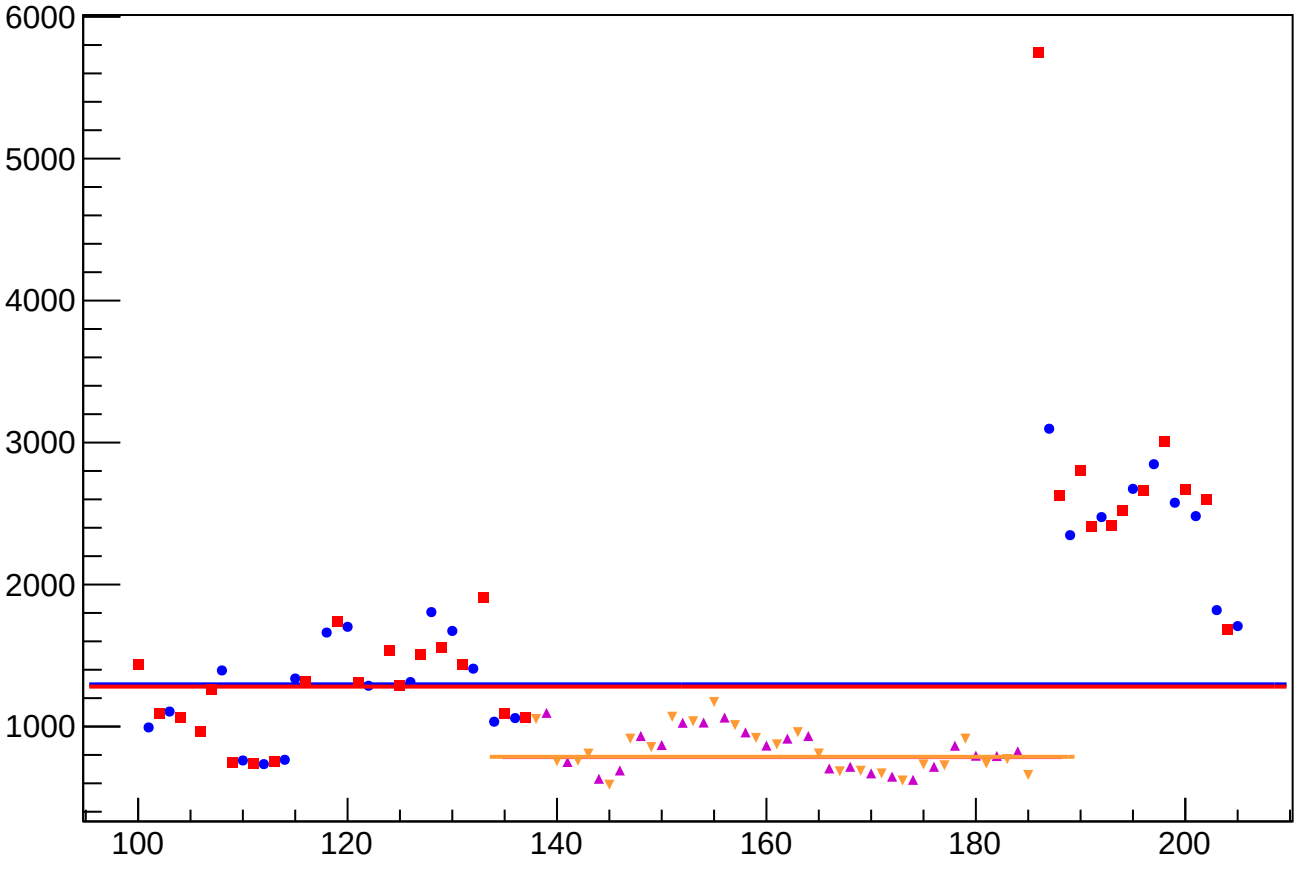
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -801.950+/-164.118 χ^2/NDF: 99.8/49

All: -557.250+/-116.777 χ^2/NDF: 154.5/102

\- sign -306.309+/-166.198 χ^2/NDF: 50.2/52

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

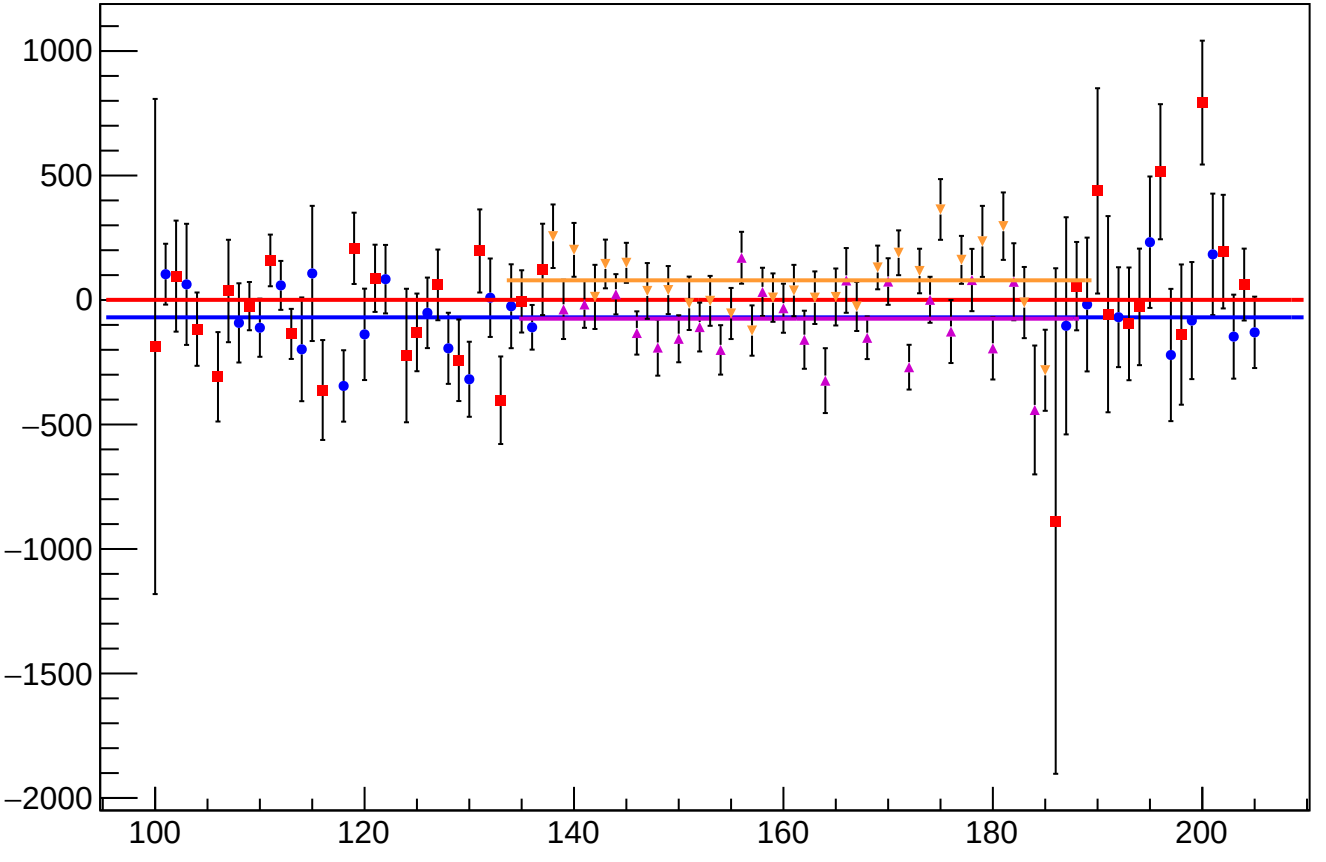
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 882.971+/-0.116 χ^2/NDF: 8539412.3/49

All: 885.123+/-0.083 χ^2/NDF: 18516358.3/10

- sign 887.331+/-0.118 χ^2/NDF: 9976249.2/52

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 0.632+/-30.935 χ^2/NDF: 41.8/29

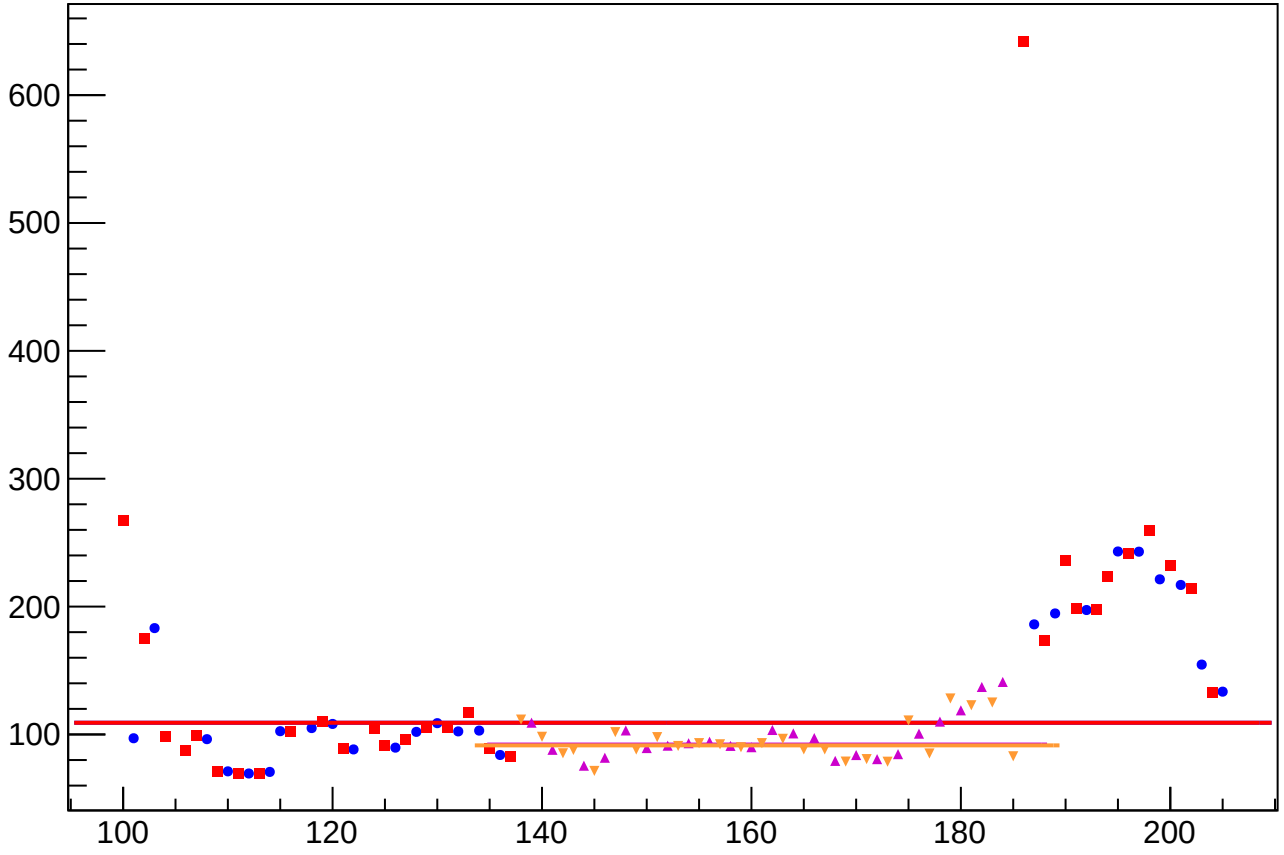
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 33.241+/-17.548 χ^2/NDF: 64.5/49

All: -7.633+/-12.510 χ^2/NDF: 154.0/102

- sign -49.879+/-17.840 χ^2/NDF: 78.4/52

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

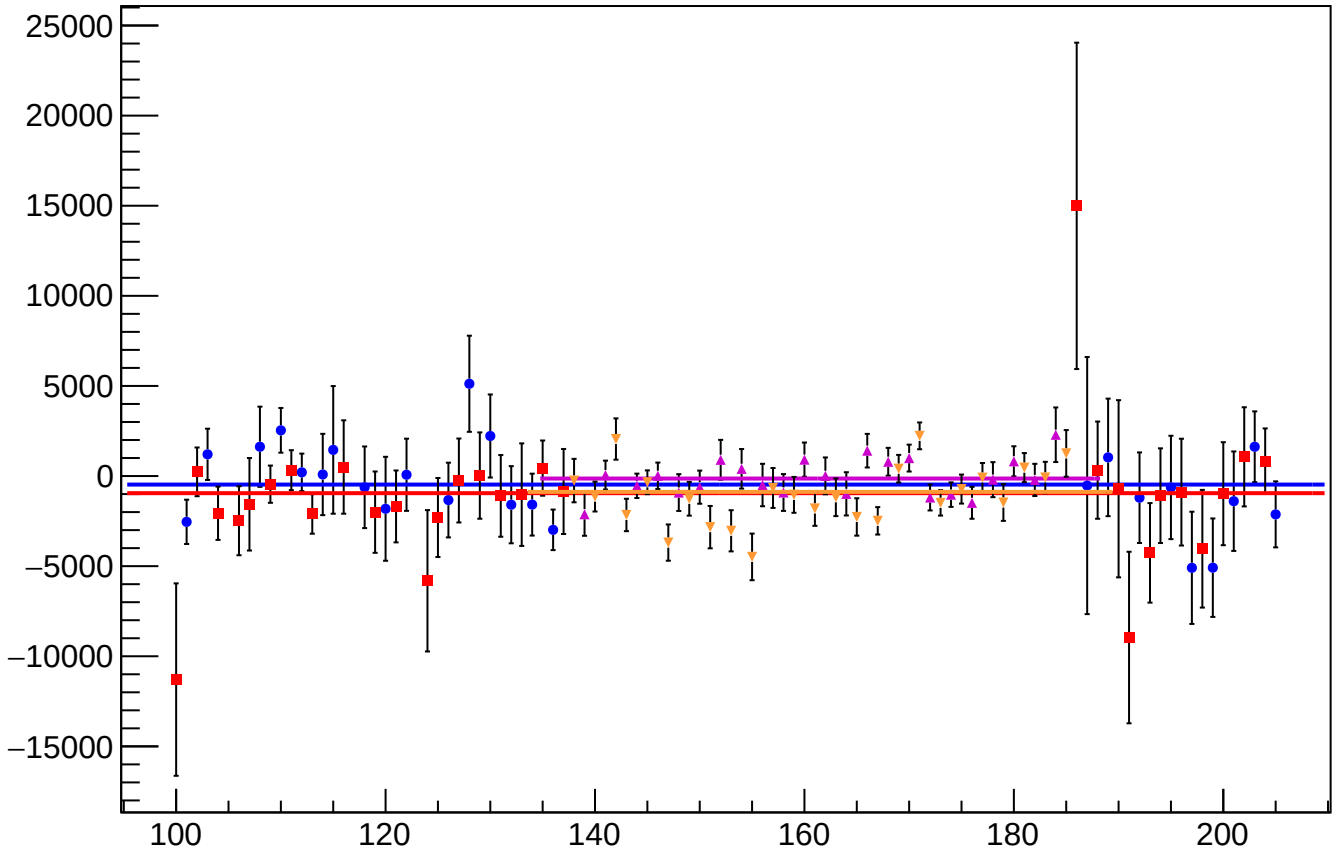
Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.919+/-0.012 χ^2/NDF: 4986865.8/49

All: 97.339+/-0.009 χ^2/NDF: 11375279.6/102

- sign 97.774+/-0.013 χ^2/NDF: 6386081.9/52



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

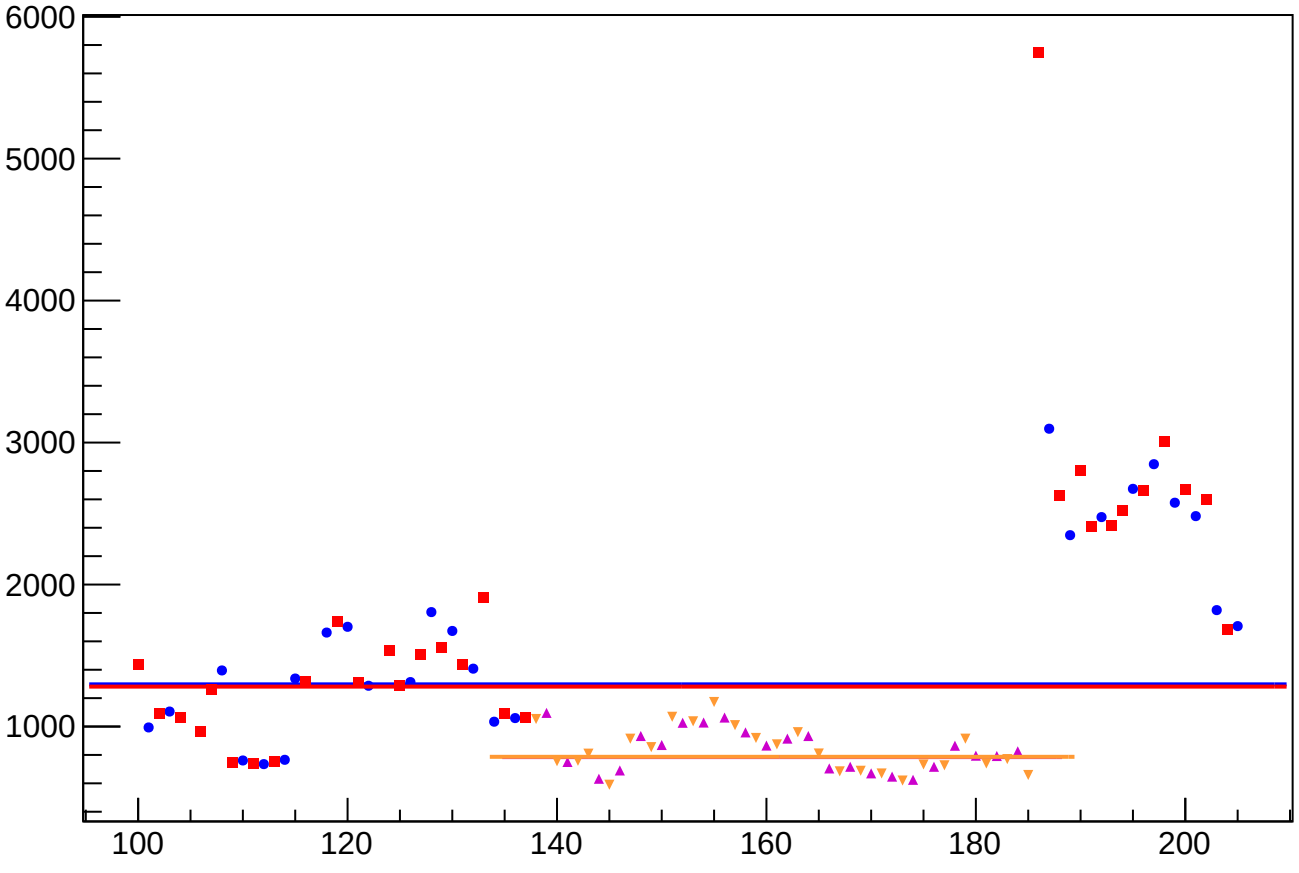
Right Out: -950.273+/-365.738 χ^2/NDF: 22.1/29

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -801.950+/-164.118 χ^2/NDF: 99.8/49

All: -557.250+/-116.777 χ^2/NDF: 154.5/102

- sign -306.309+/-166.198 χ^2/NDF: 50.2/52



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

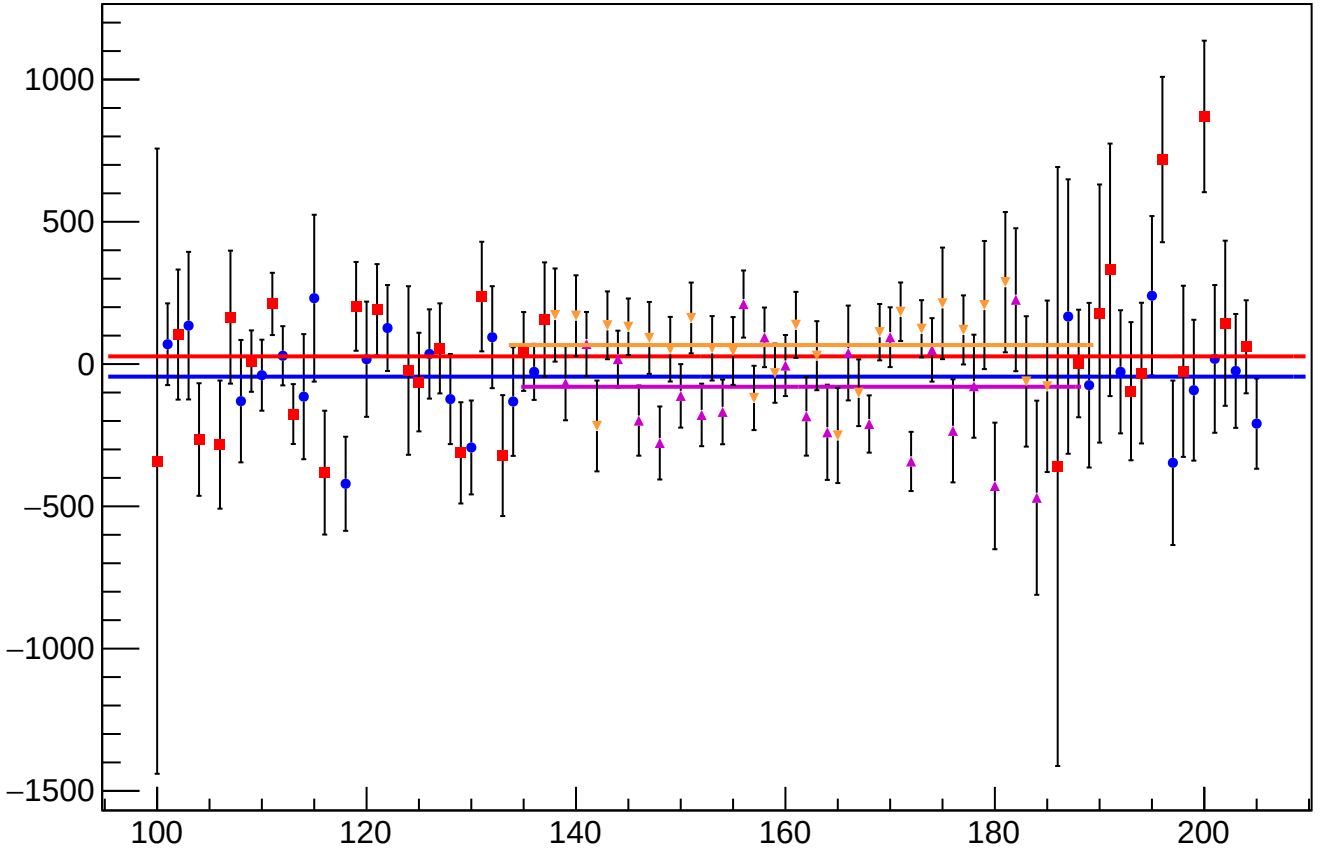
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 882.971+/-0.116 χ^2/NDF: 8539412.3/49

All: 885.123+/-0.083 χ^2/NDF: 18516358.3/10

- sign 887.331+/-0.118 χ^2/NDF: 9976249.2/52

dit_asym_sam_3748_avg_mean vs Slug



Right In: -44.186+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 27.047+/-34.401 χ^2/NDF: 42.3/29

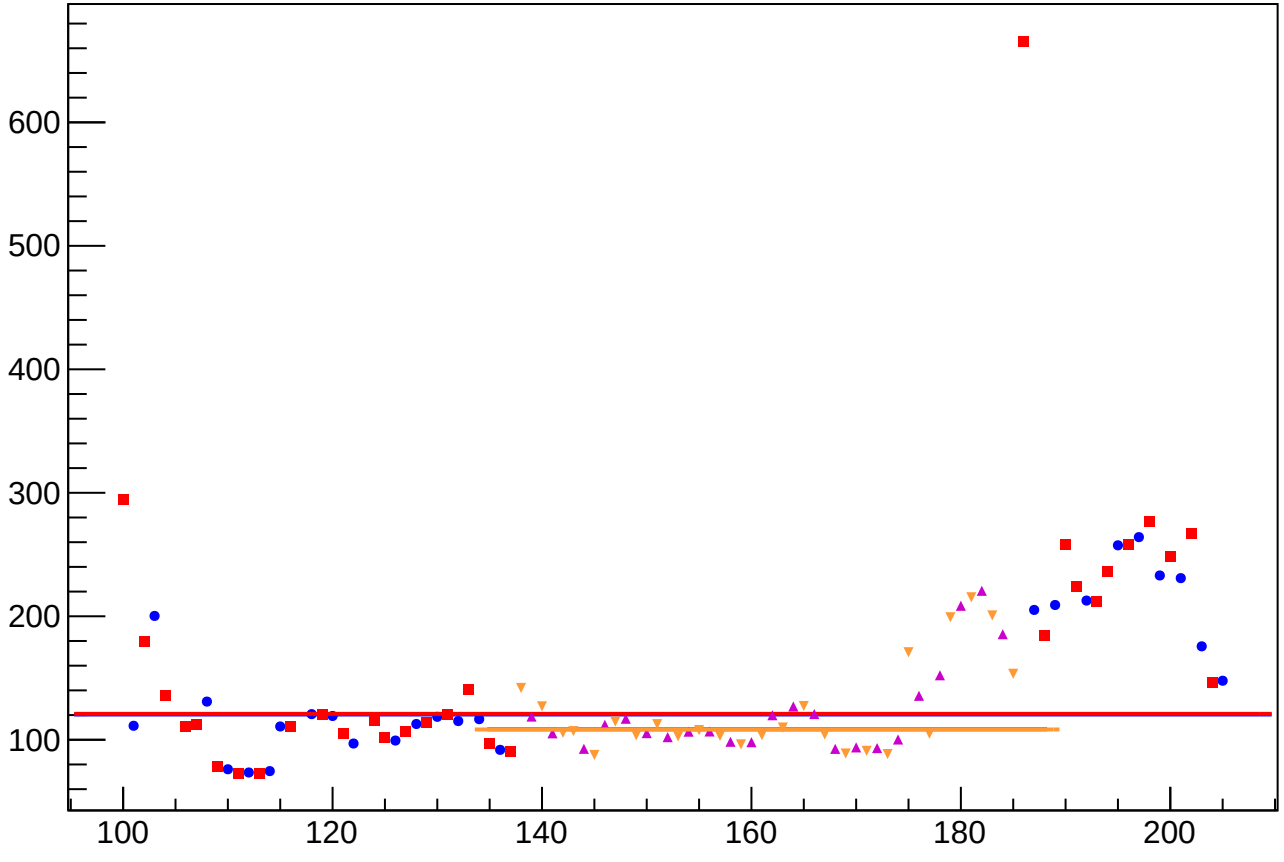
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 28.223+/-20.656 χ^2/NDF: 42.6/49

All: -5.680+/-14.689 χ^2/NDF: 133.4/102

- sign -40.367+/-20.893 χ^2/NDF: 85.3/52

dit_asym_sam_3748_avg_rms vs Slug



Right In: 120.490+/-0.025 χ^2/NDF: 3786553.5/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 120.978+/-0.024 χ^2/NDF: 5272084.4/29

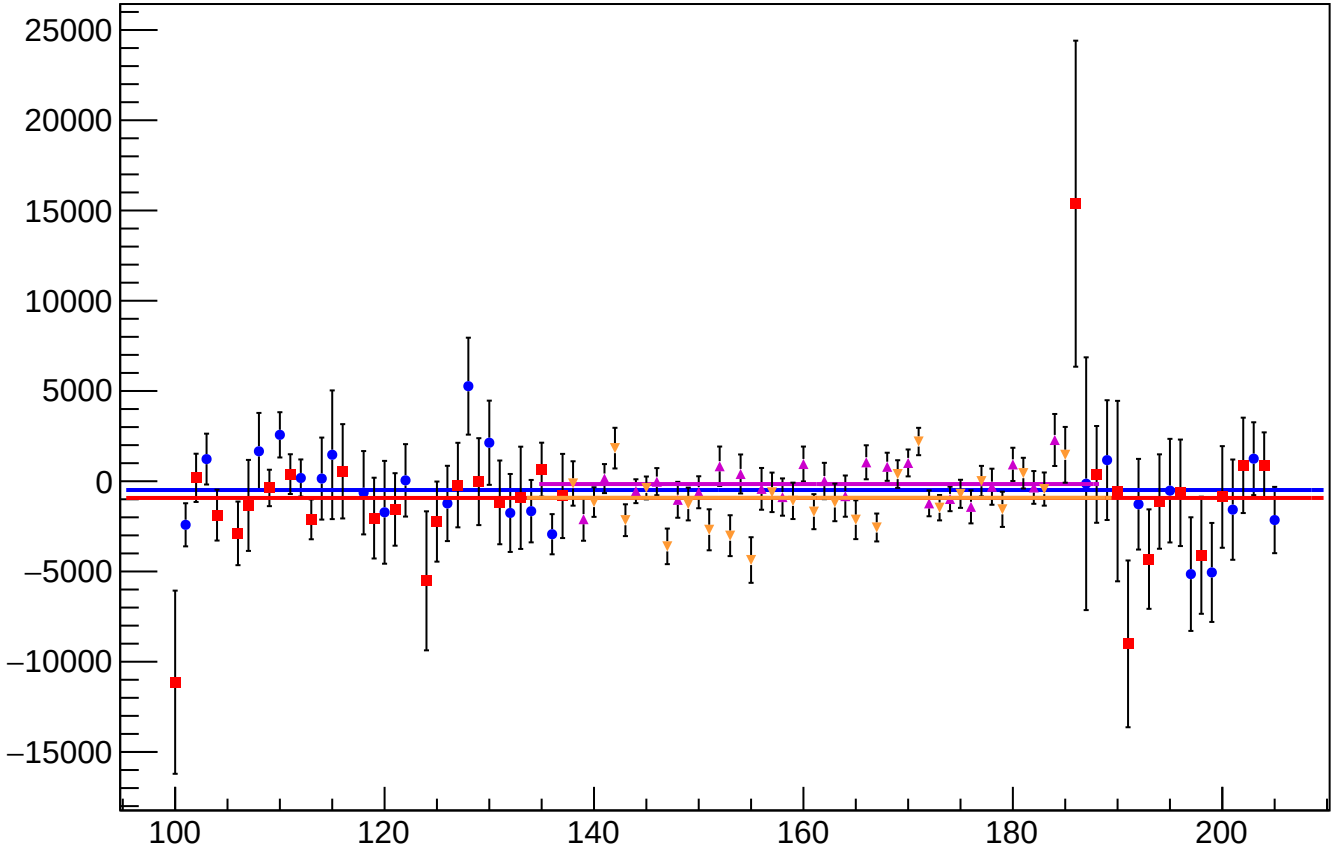
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 112.564+/-0.015 χ^2/NDF: 5718455.8/49

All: 112.828+/-0.010 χ^2/NDF: 12536871.0/10

- sign 113.098+/-0.015 χ^2/NDF: 6817754.3/52

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -486.502+/-376.738 χ^2/NDF: 30.8/24

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -926.607+/-361.355 χ^2/NDF: 23.6/29

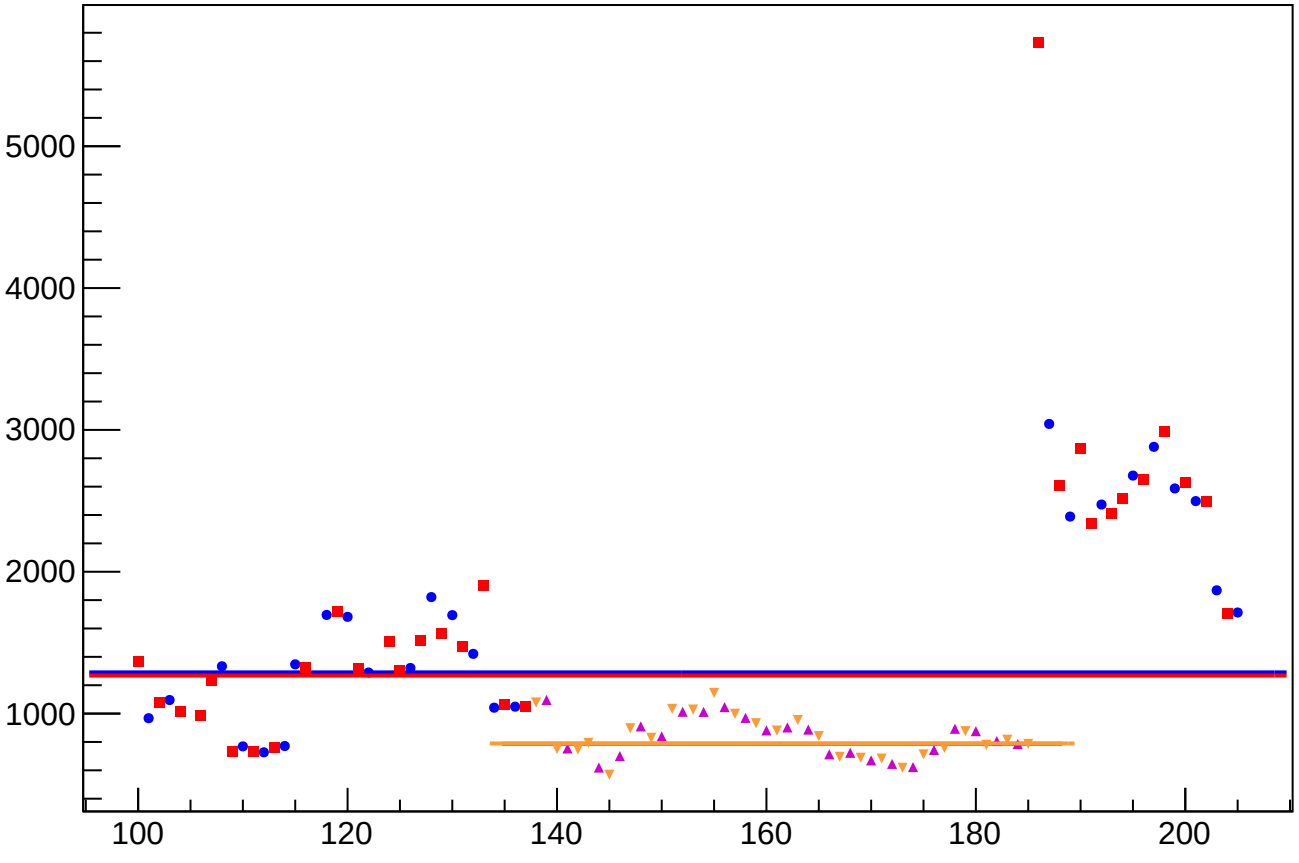
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -836.612+/-164.215 χ^2/NDF: 95.9/49

All: -580.773+/-116.799 χ^2/NDF: 151.1/102

- sign -318.838+/-166.160 χ^2/NDF: 50.3/52

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1290.534+/-0.266 χ^2/NDF: 4479735.0/24

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1267.939+/-0.256 χ^2/NDF: 6038132.4/29

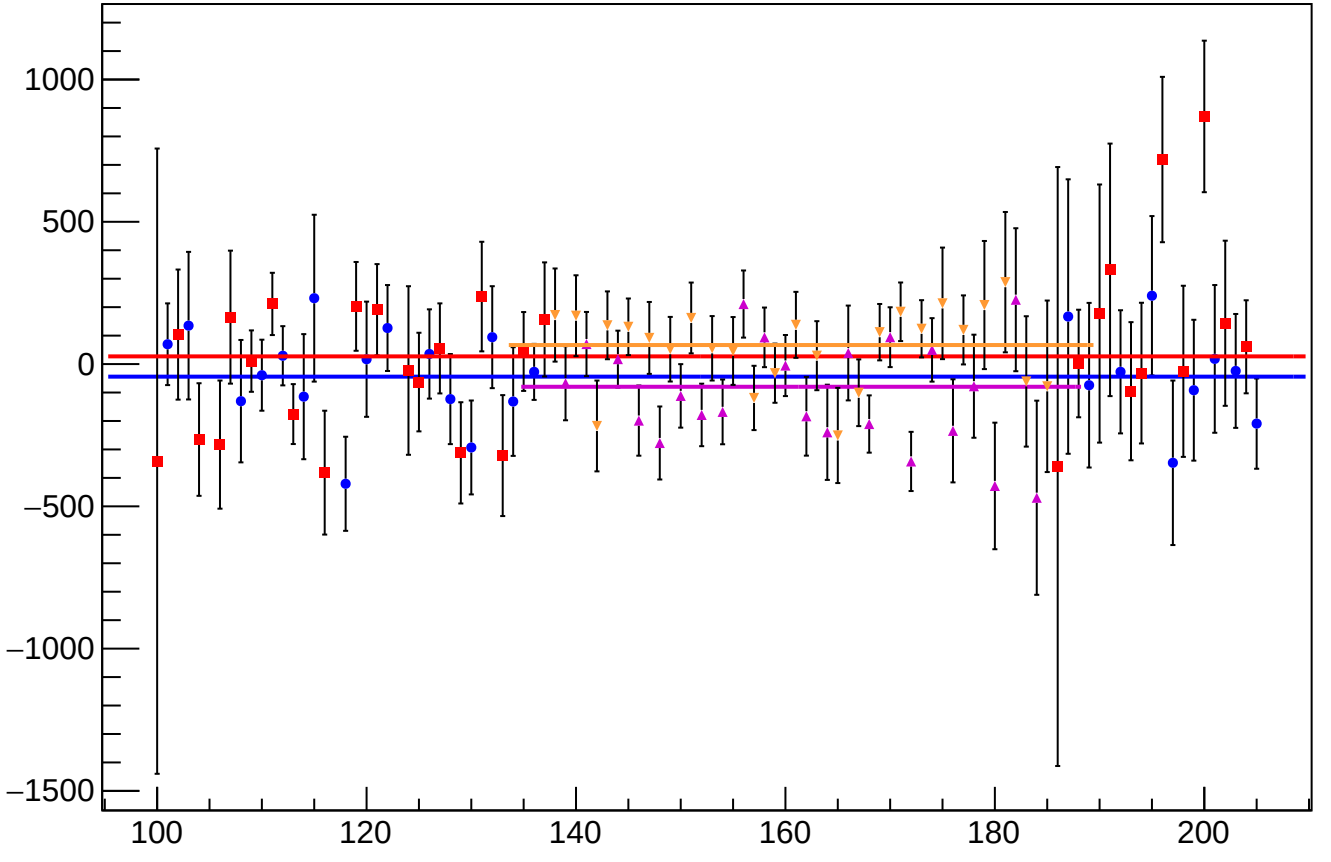
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 884.493+/-0.116 χ^2/NDF: 8524714.8/49

All: 886.718+/-0.083 χ^2/NDF: 18394137.6/10

- sign 888.997+/-0.117 χ^2/NDF: 9868679.2/52

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -44.185+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 27.049+/-34.401 χ^2/NDF: 42.3/29

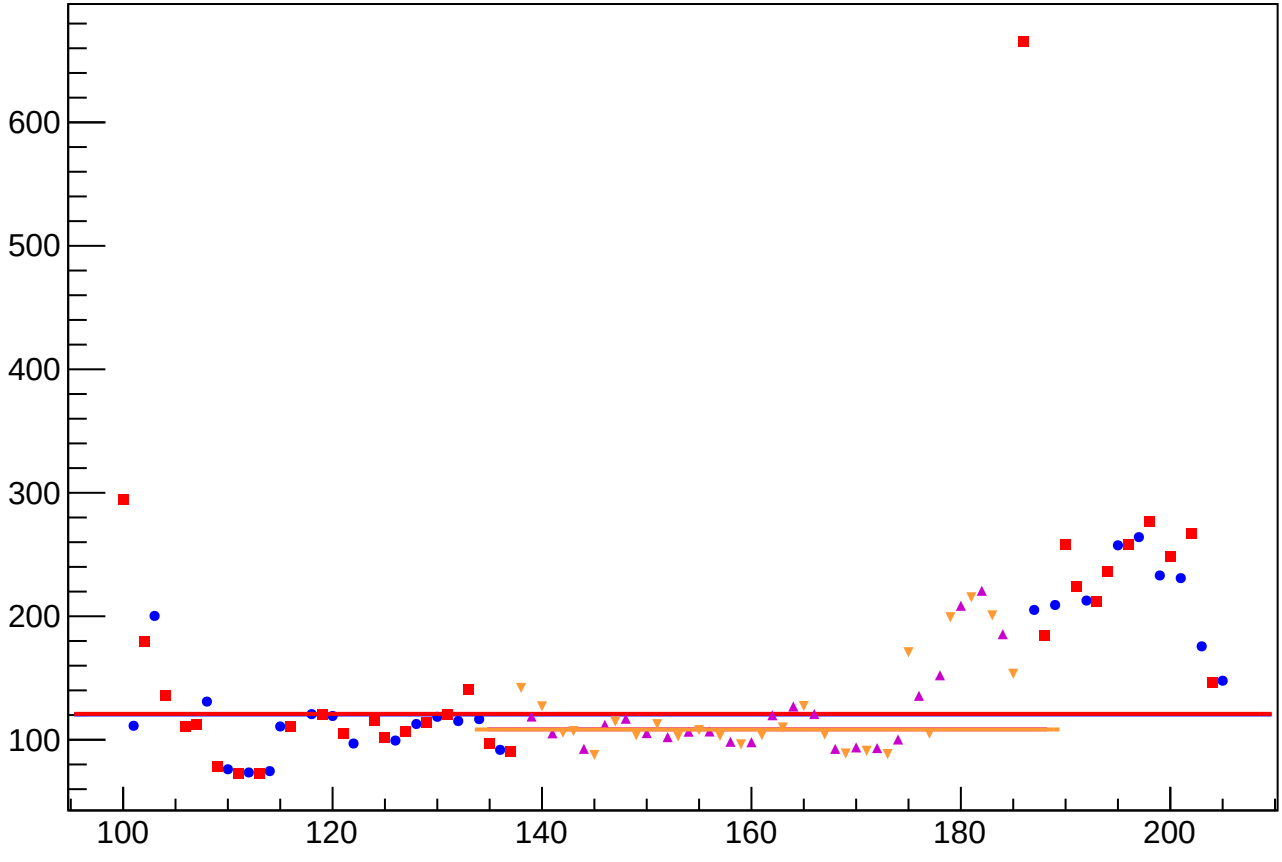
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 28.224+/-20.656 χ^2/NDF: 42.6/49

All: -5.679+/-14.689 χ^2/NDF: 133.4/102

- sign -40.366+/-20.893 χ^2/NDF: 85.3/52

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 120.490+/-0.025 χ^2/NDF: 3786541.7/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

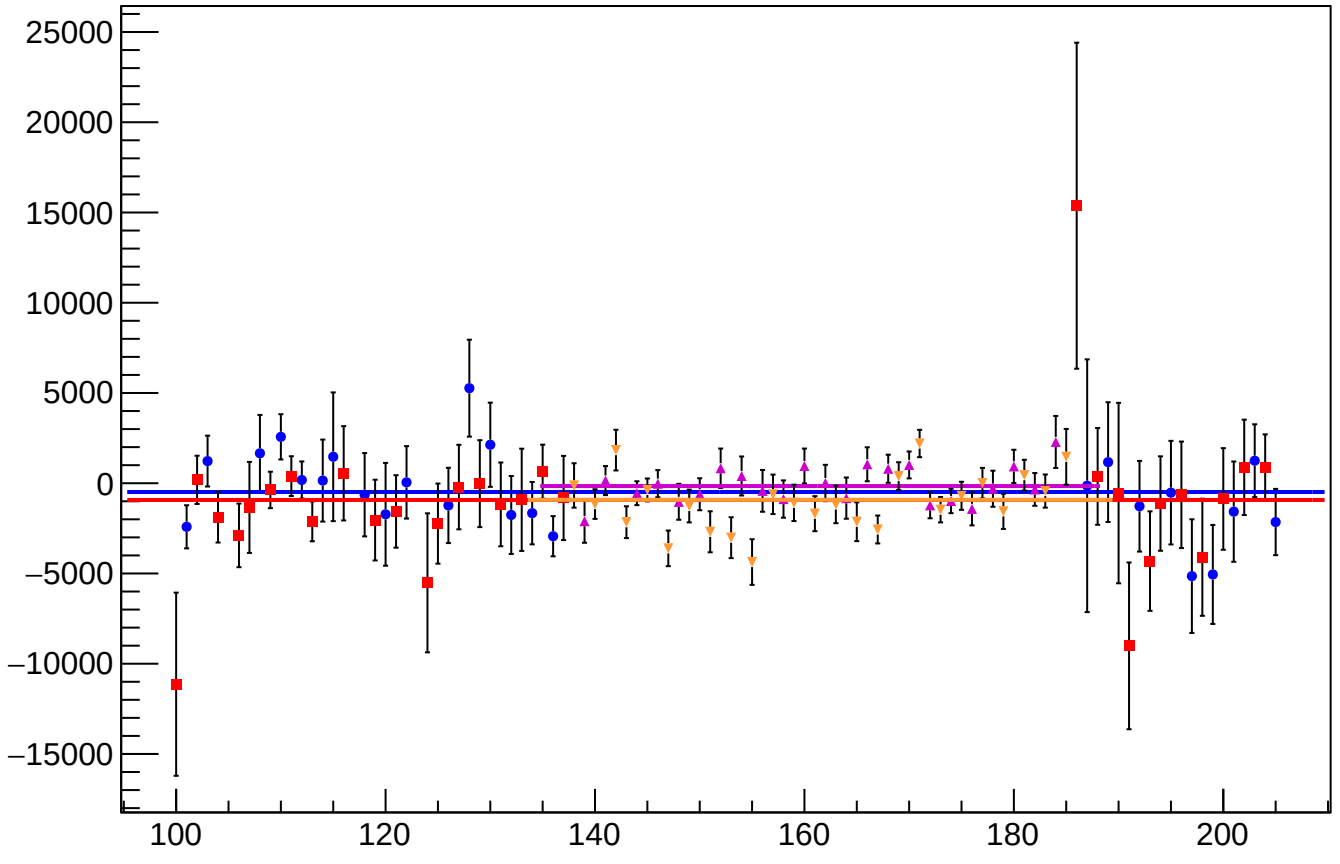
Right Out: 120.978+/-0.024 χ^2/NDF: 5272088.9/29

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 112.564+/-0.015 χ^2/NDF: 5718434.0/49

All: 112.828+/-0.010 χ^2/NDF: 12536830.4/10

- sign 113.098+/-0.015 χ^2/NDF: 6817735.5/52



Right In: -486.501+/-376.737 χ^2/NDF: 30.8/24

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

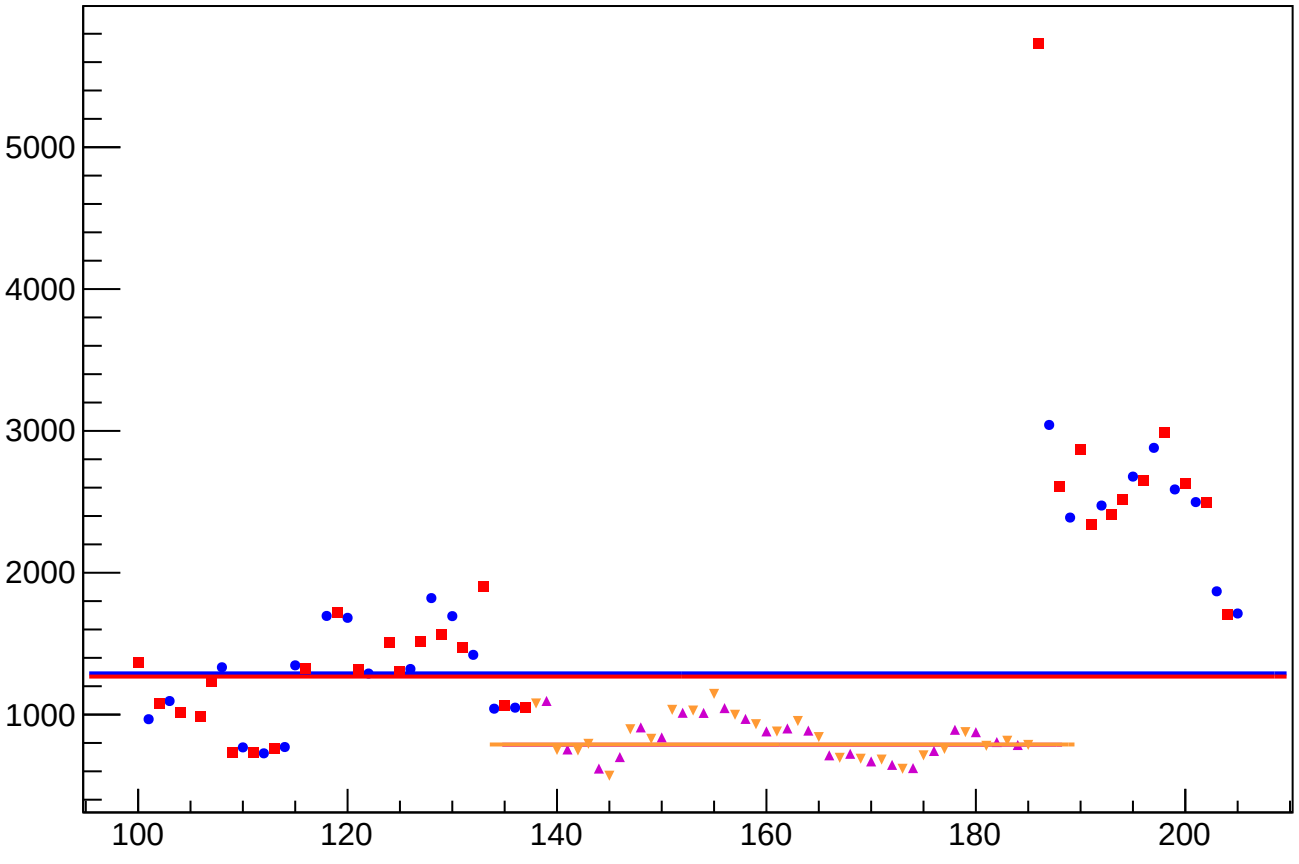
Right Out: -926.606+/-361.354 χ^2/NDF: 23.6/29

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -836.611+/-164.215 χ^2/NDF: 95.9/49

All: -580.772+/-116.799 χ^2/NDF: 151.1/102

- sign -318.837+/-166.160 χ^2/NDF: 50.3/52



Right In: 1290.532+/-0.266 χ^2/NDF: 4479743.3/24

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1267.937+/-0.256 χ^2/NDF: 6038136.3/29

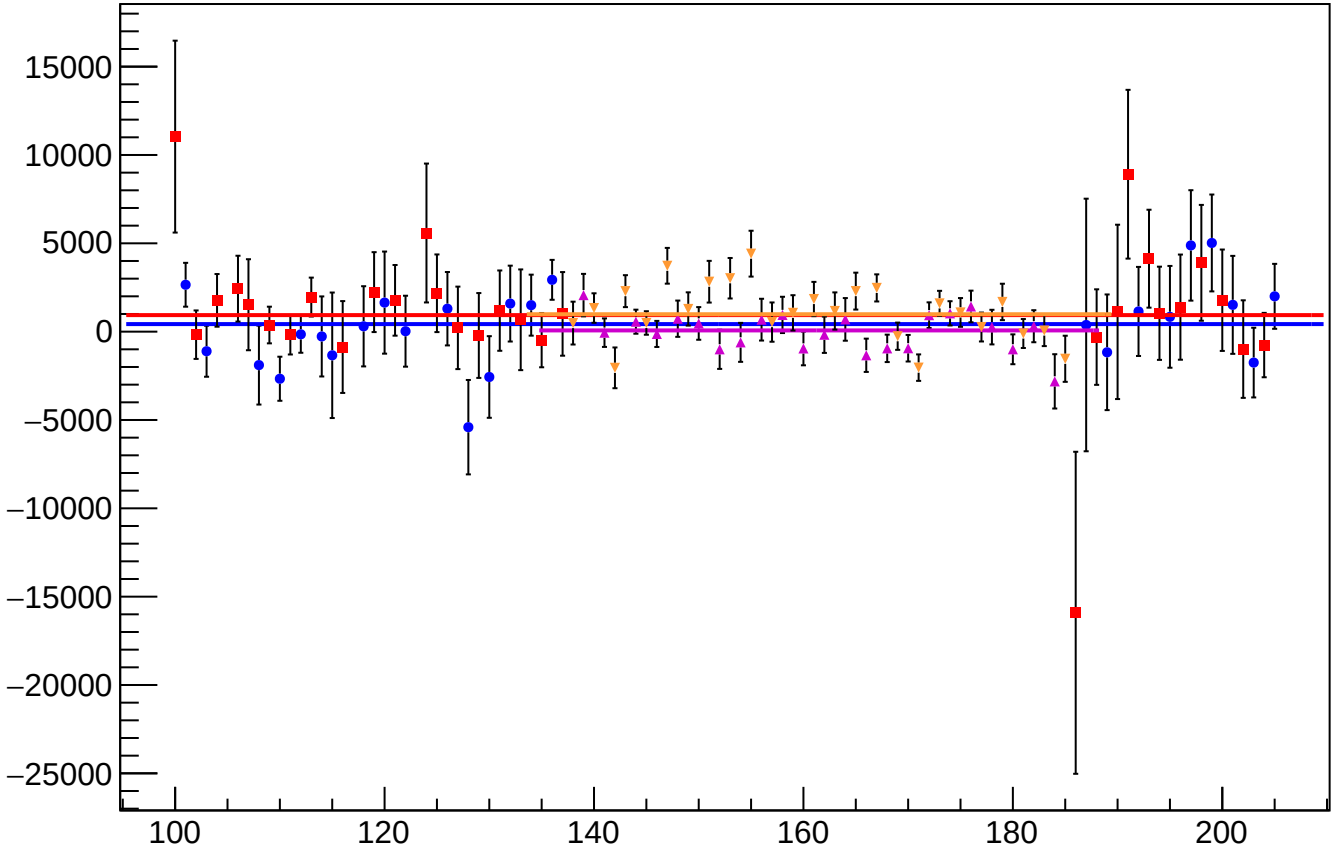
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 884.491+/-0.116 χ^2/NDF: 8524725.3/49

All: 886.717+/-0.083 χ^2/NDF: 18394153.5/10

- sign 888.996+/-0.117 χ^2/NDF: 9868684.5/52

asym_sam_3748_avg_mean vs Slug



Right In: 427.881+/-379.897 χ^2/NDF: 32.0/24

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 936.675+/-367.073 χ^2/NDF: 21.2/29

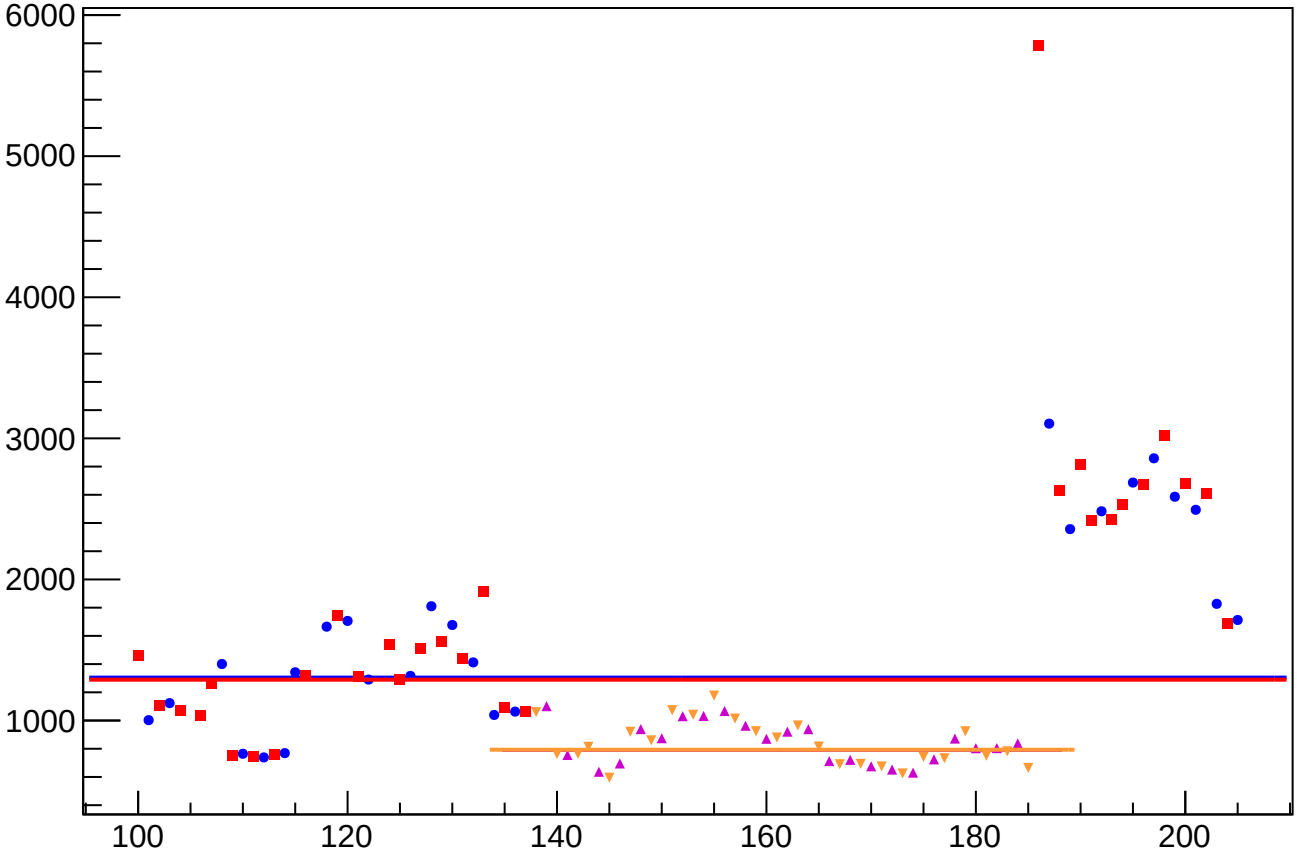
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 880.044+/-165.308 χ^2/NDF: 97.4/49

All: 569.009+/-117.608 χ^2/NDF: 154.6/102

- sign 250.219+/-167.356 χ^2/NDF: 50.0/52

asym_sam_3748_avg_rms vs Slug



Right In: 1304.173+/-0.269 χ^2/NDF: 4352663.1/24

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

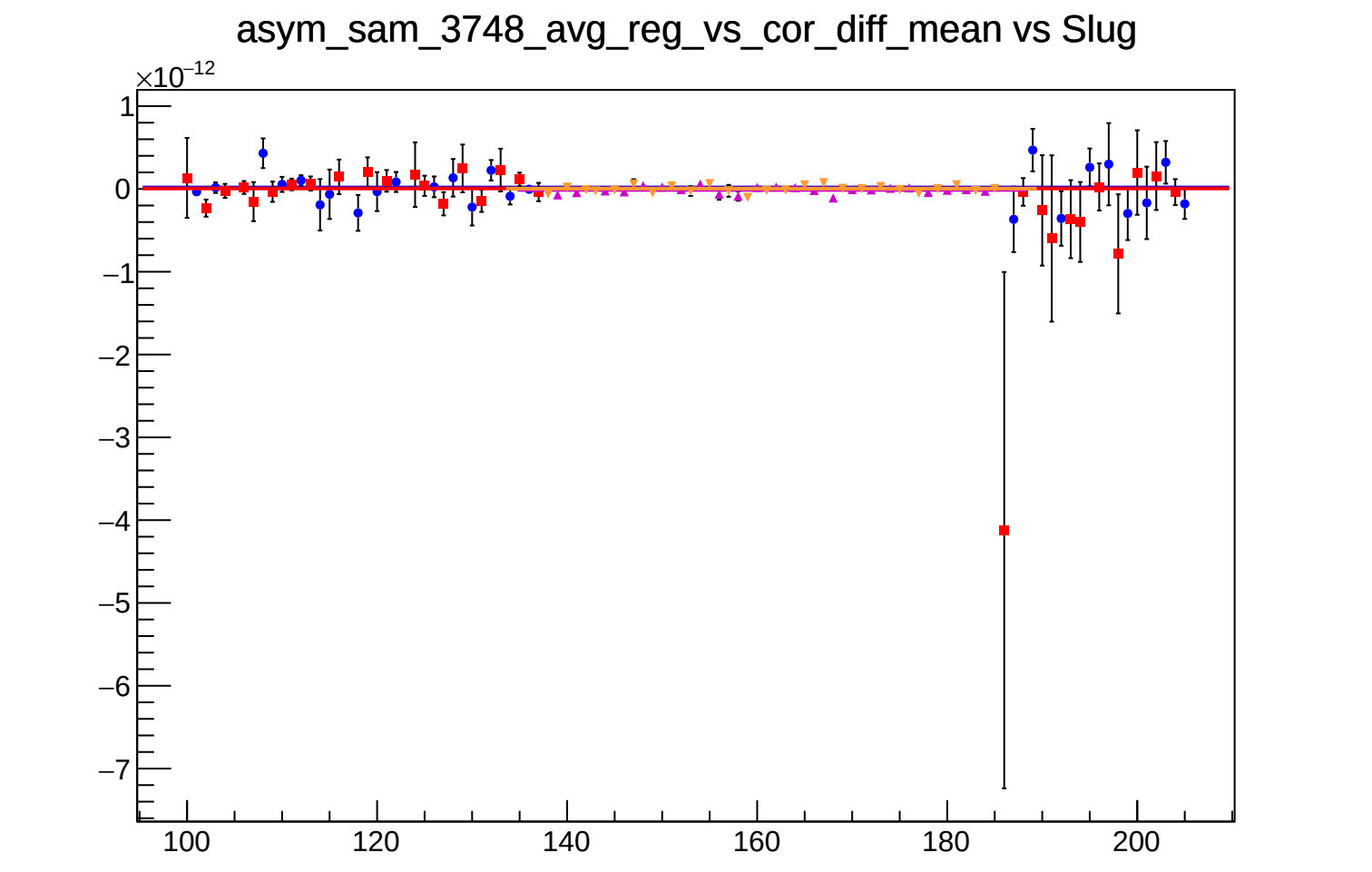
Right Out: 1289.422+/-0.260 χ^2/NDF: 5957762.4/29

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 889.830+/-0.117 χ^2/NDF: 8481469.2/49

All: 892.248+/-0.083 χ^2/NDF: 18408307.2/10

- sign 894.726+/-0.118 χ^2/NDF: 9925971.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

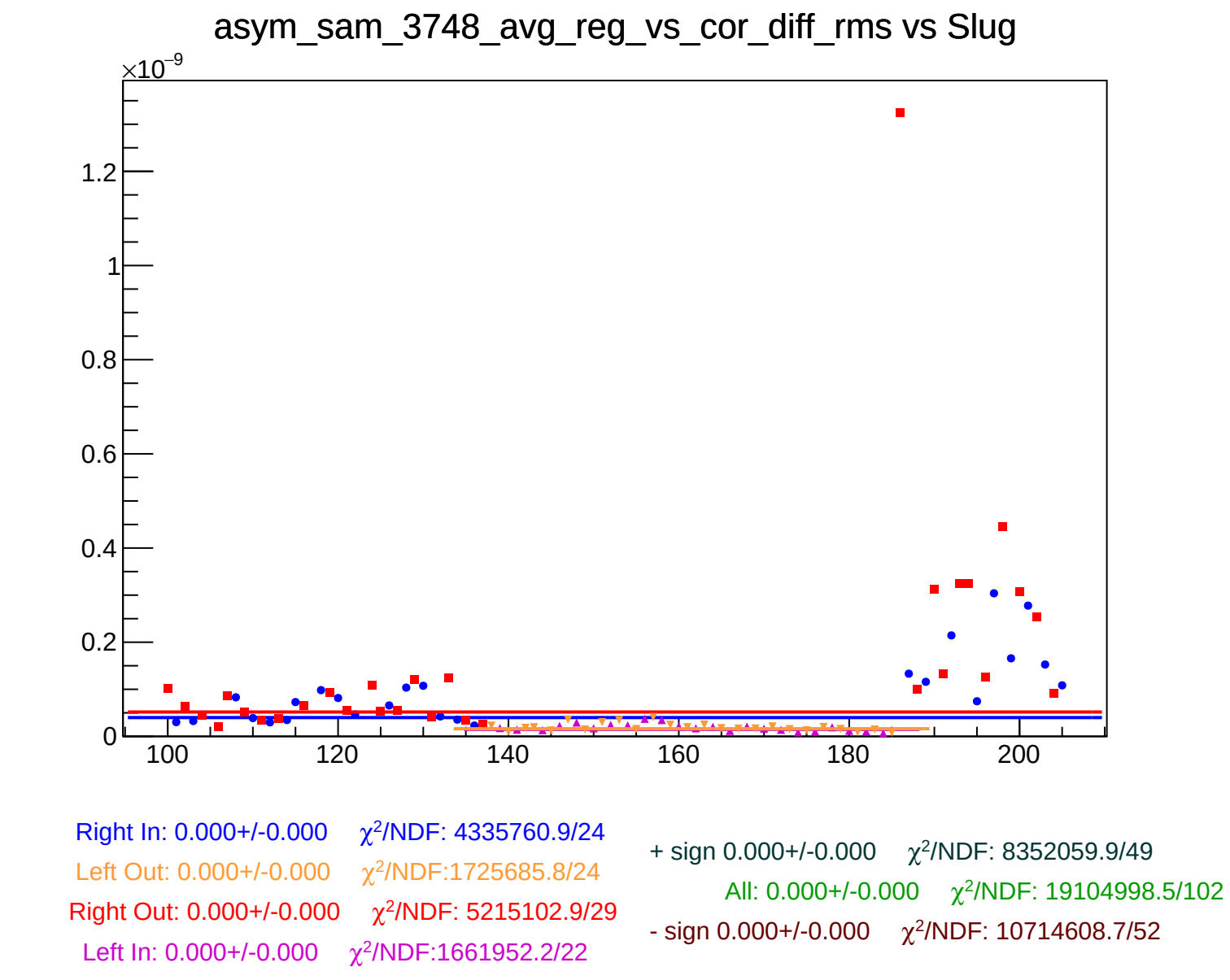
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/29

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

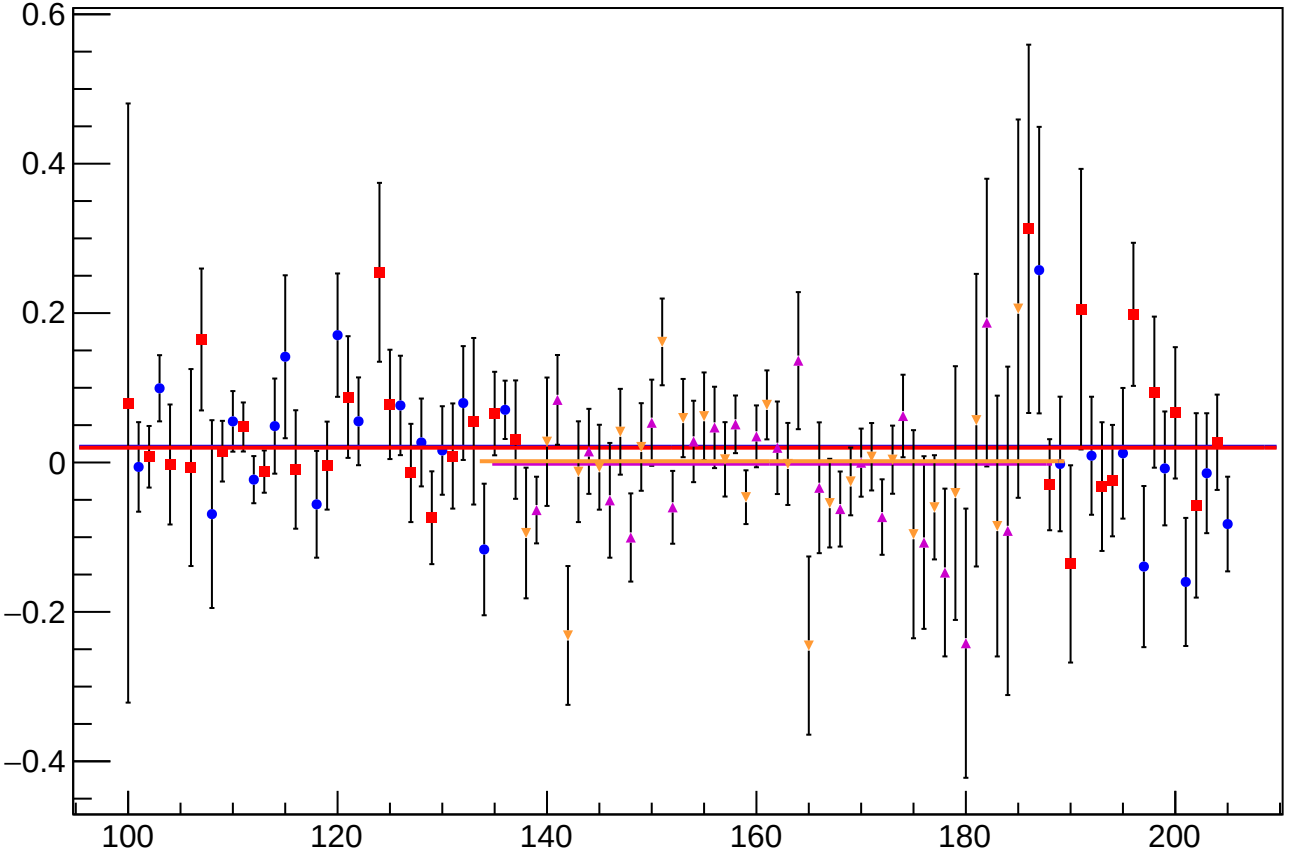
+ sign 0.000+/-0.000 χ^2/NDF: 61.8/49

All: -0.000+/-0.000 χ^2/NDF: 111.9/102

- sign -0.000+/-0.000 χ^2/NDF: 46.8/52


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4335760.9/24
Left Out: 0.000+/-0.000 χ²/NDF:1725685.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5215102.9/29
Left In: 0.000+/-0.000 χ²/NDF:1661952.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8352059.9/49
All: 0.000+/-0.000 χ²/NDF: 19104998.5/102
- sign 0.000+/-0.000 χ²/NDF: 10714608.7/52

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

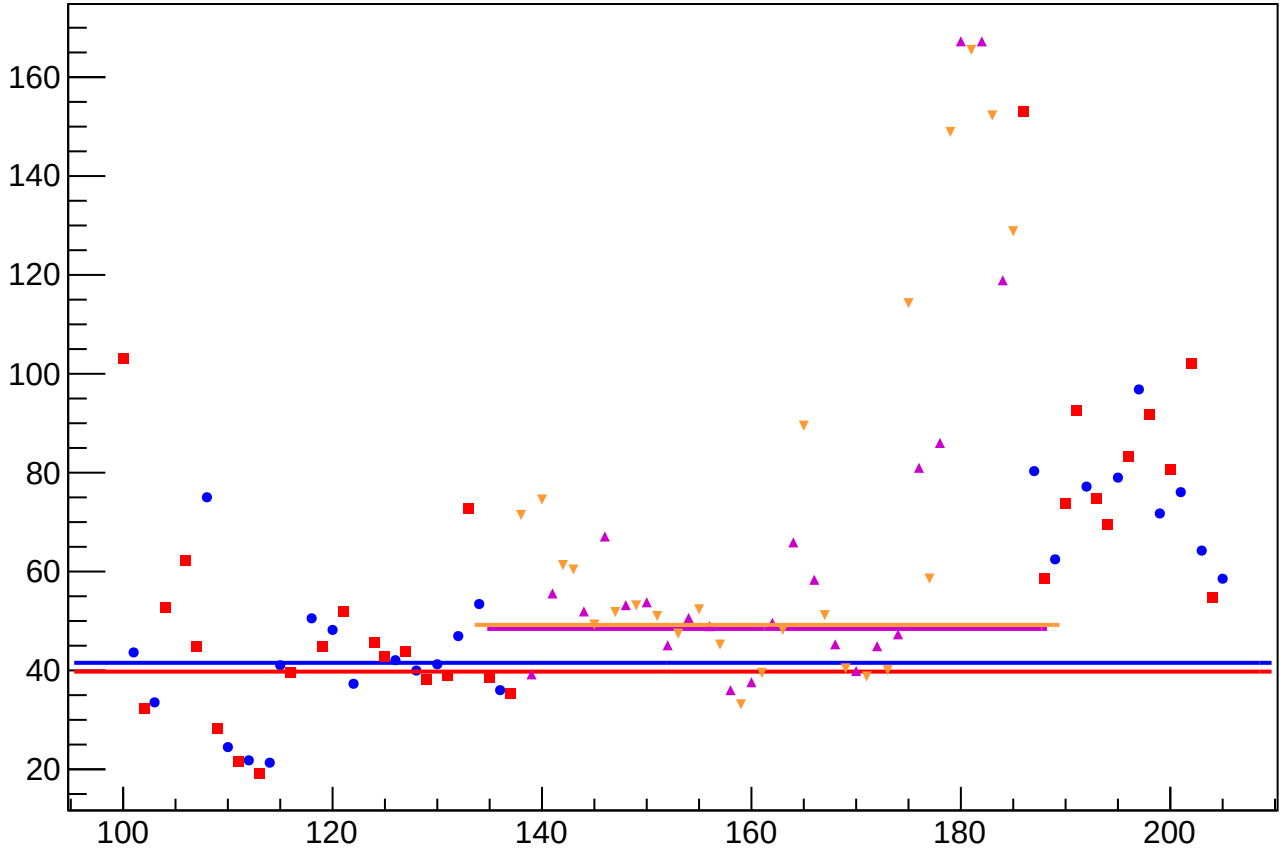
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.010+/-0.006 χ^2/NDF: 111.8/102

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

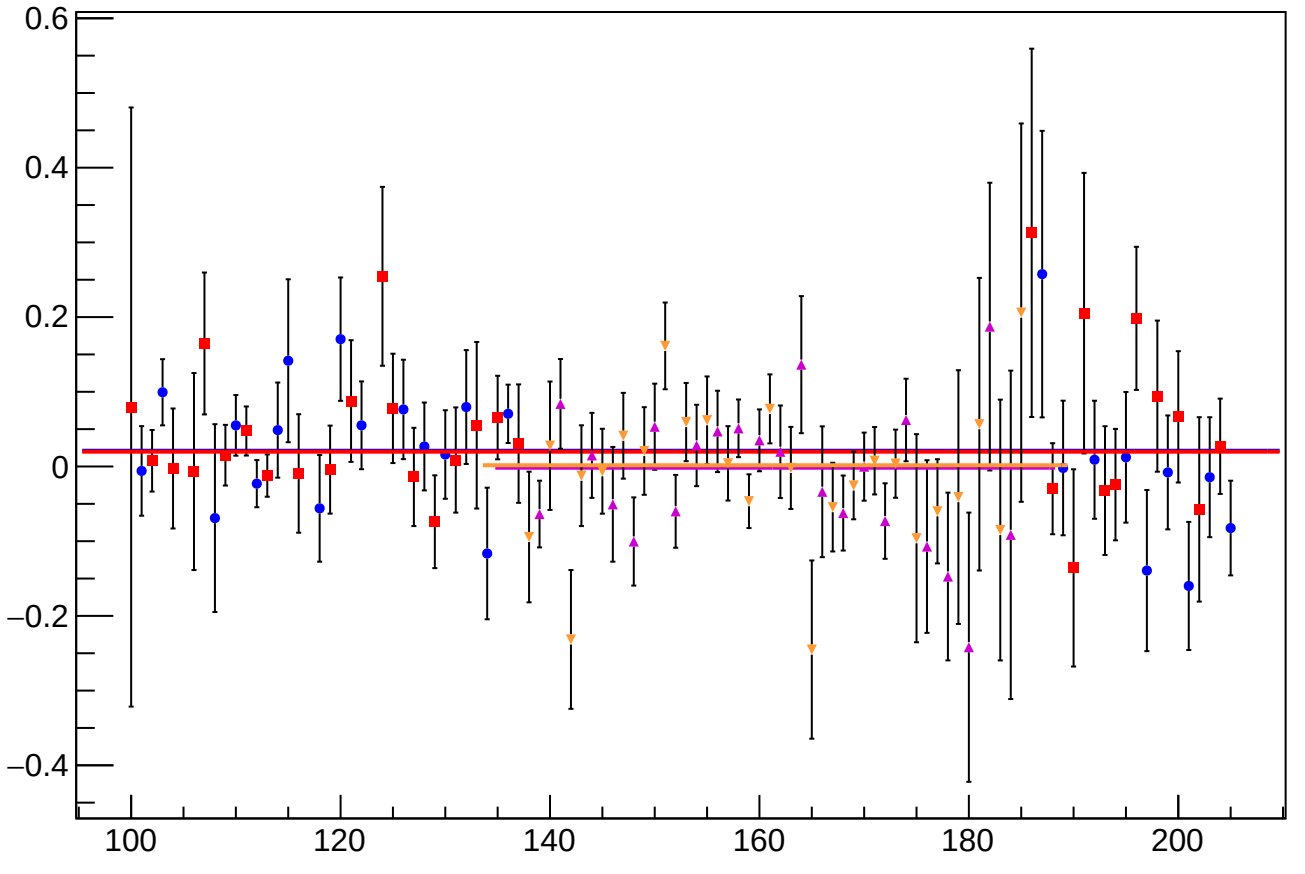
Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676737.4/49

All: 44.640+/-0.004 χ^2/NDF: 18125249.4/102

- sign 43.884+/-0.006 χ^2/NDF: 9416469.6/52



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

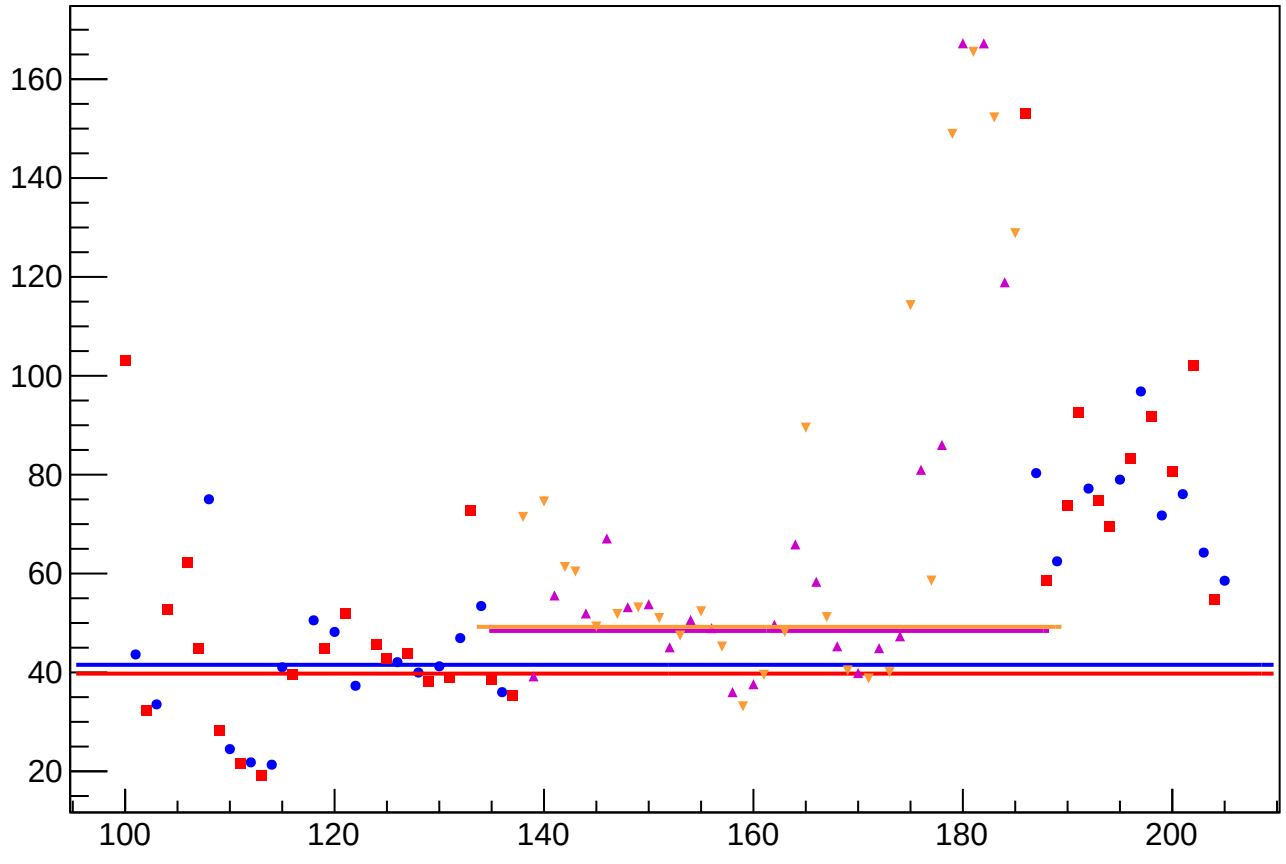
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.010+/-0.006 χ^2/NDF: 111.8/102

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

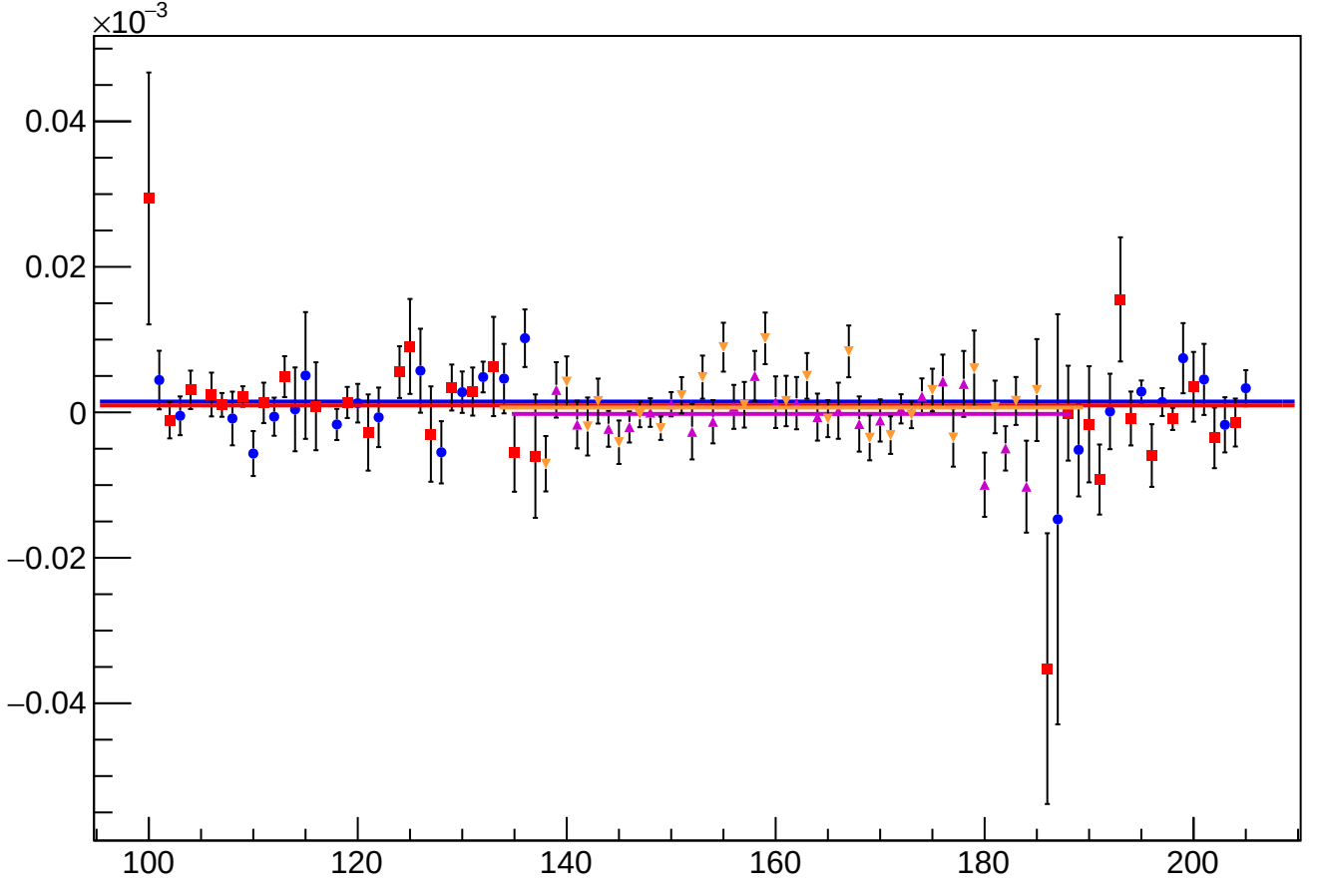
Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676737.4/49

All: 44.640+/-0.004 χ^2/NDF: 18125249.4/102

- sign 43.884+/-0.006 χ^2/NDF: 9416469.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

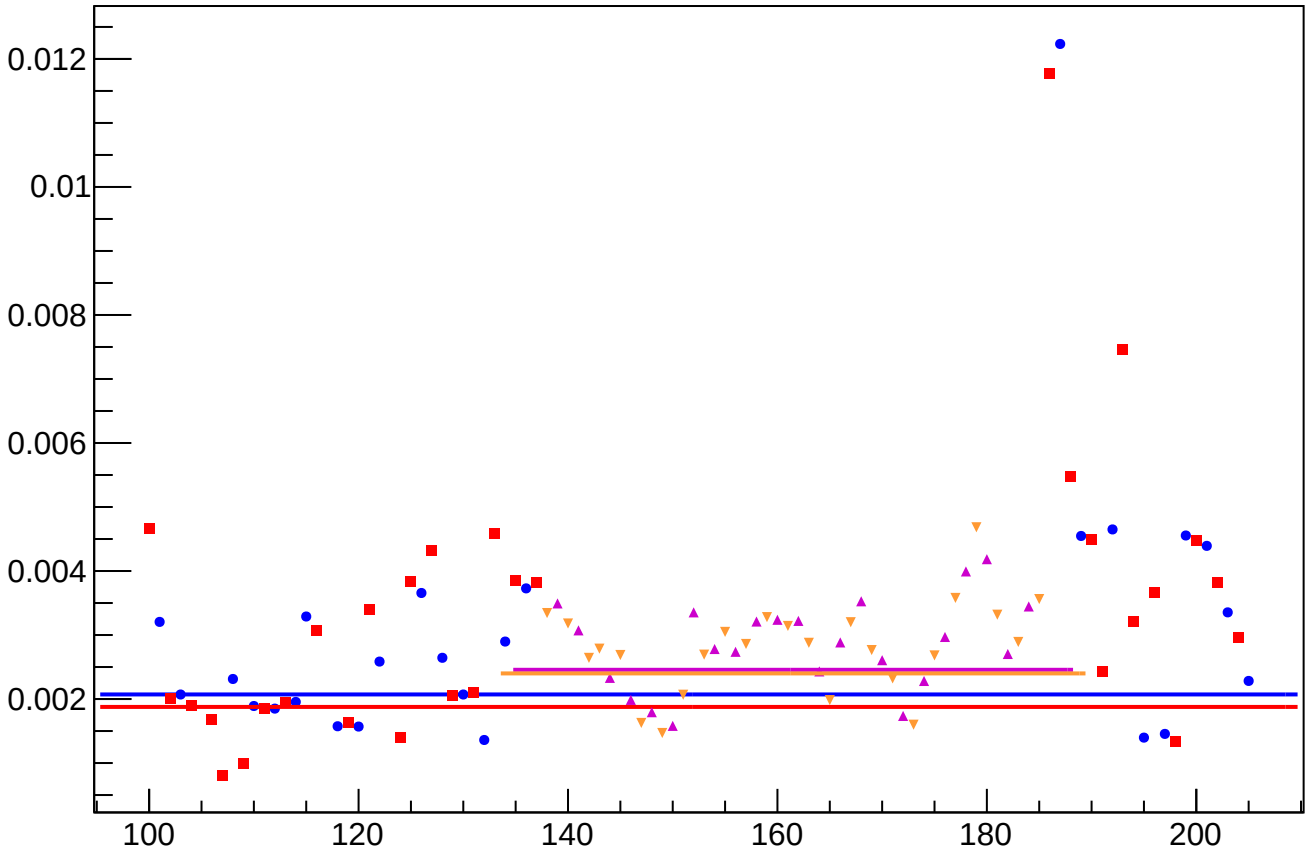
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/29

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.4/49

All: 0.000+/-0.000 χ^2/NDF: 124.6/102

- sign 0.000+/-0.000 χ^2/NDF: 54.0/52



Right In: 0.002+/-0.000 χ^2/NDF: 4136253.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

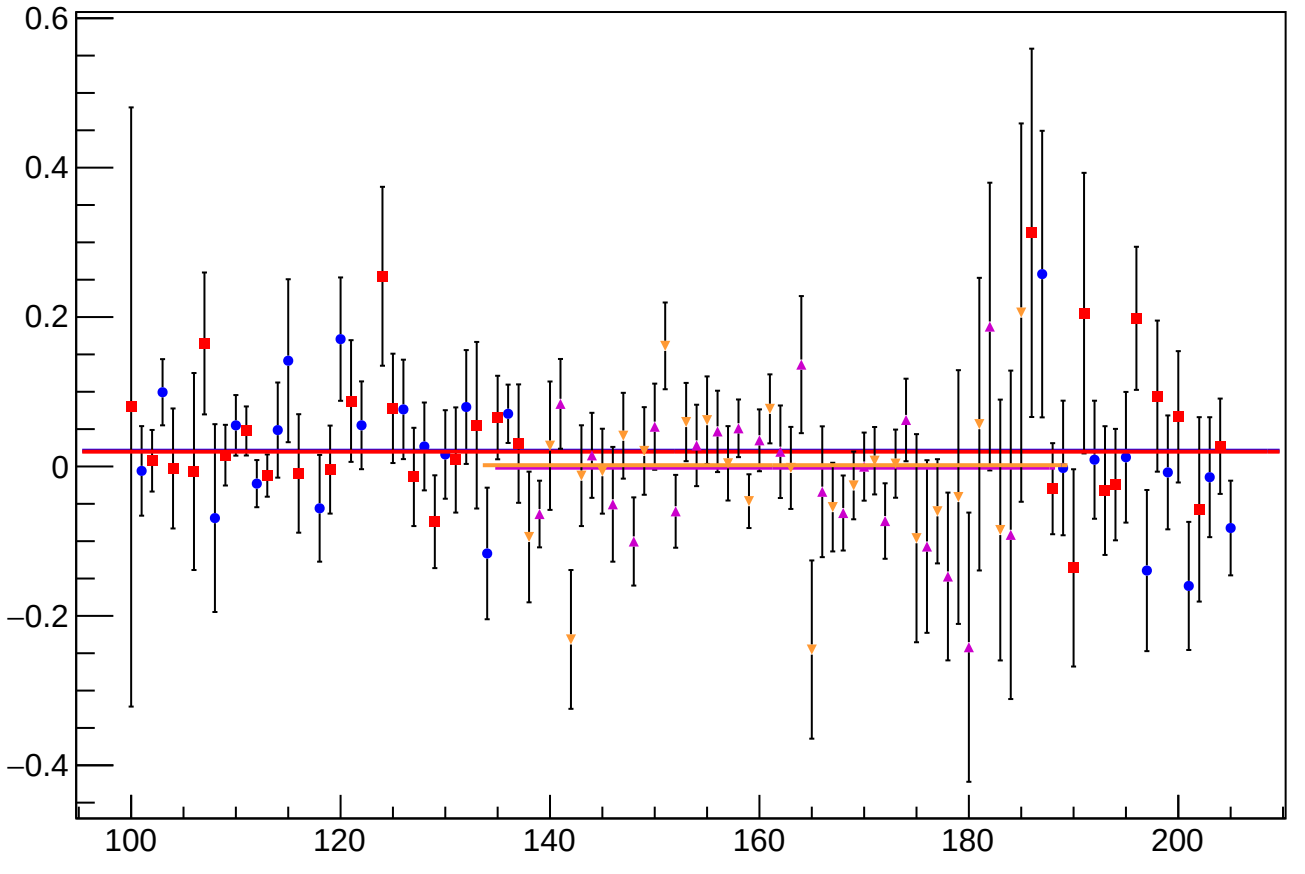
Right Out: 0.002+/-0.000 χ^2/NDF: 7559459.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7563296.9/49

All: 0.002+/-0.000 χ^2/NDF: 18786913.7/102

- sign 0.002+/-0.000 χ^2/NDF: 11169127.5/52



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

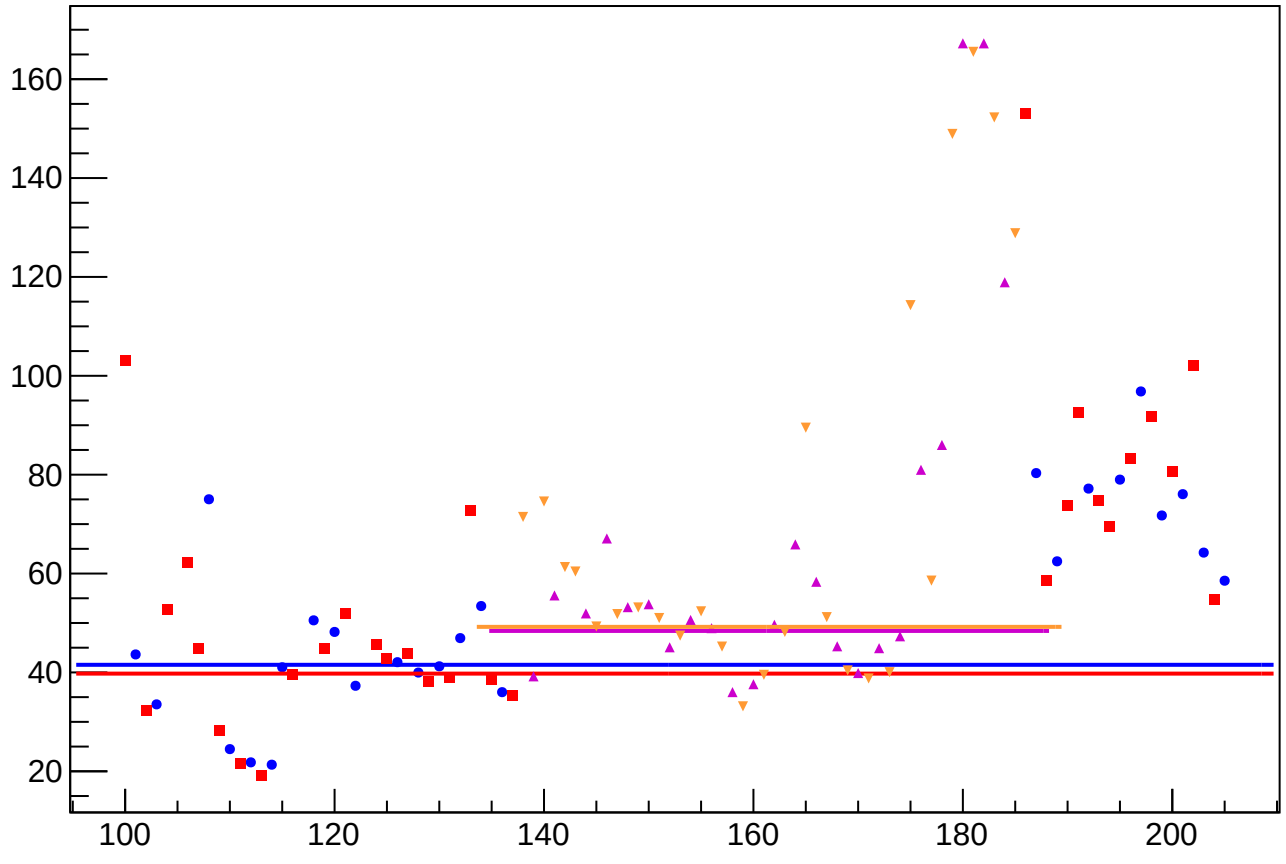
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.010+/-0.006 χ^2/NDF: 111.8/102

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

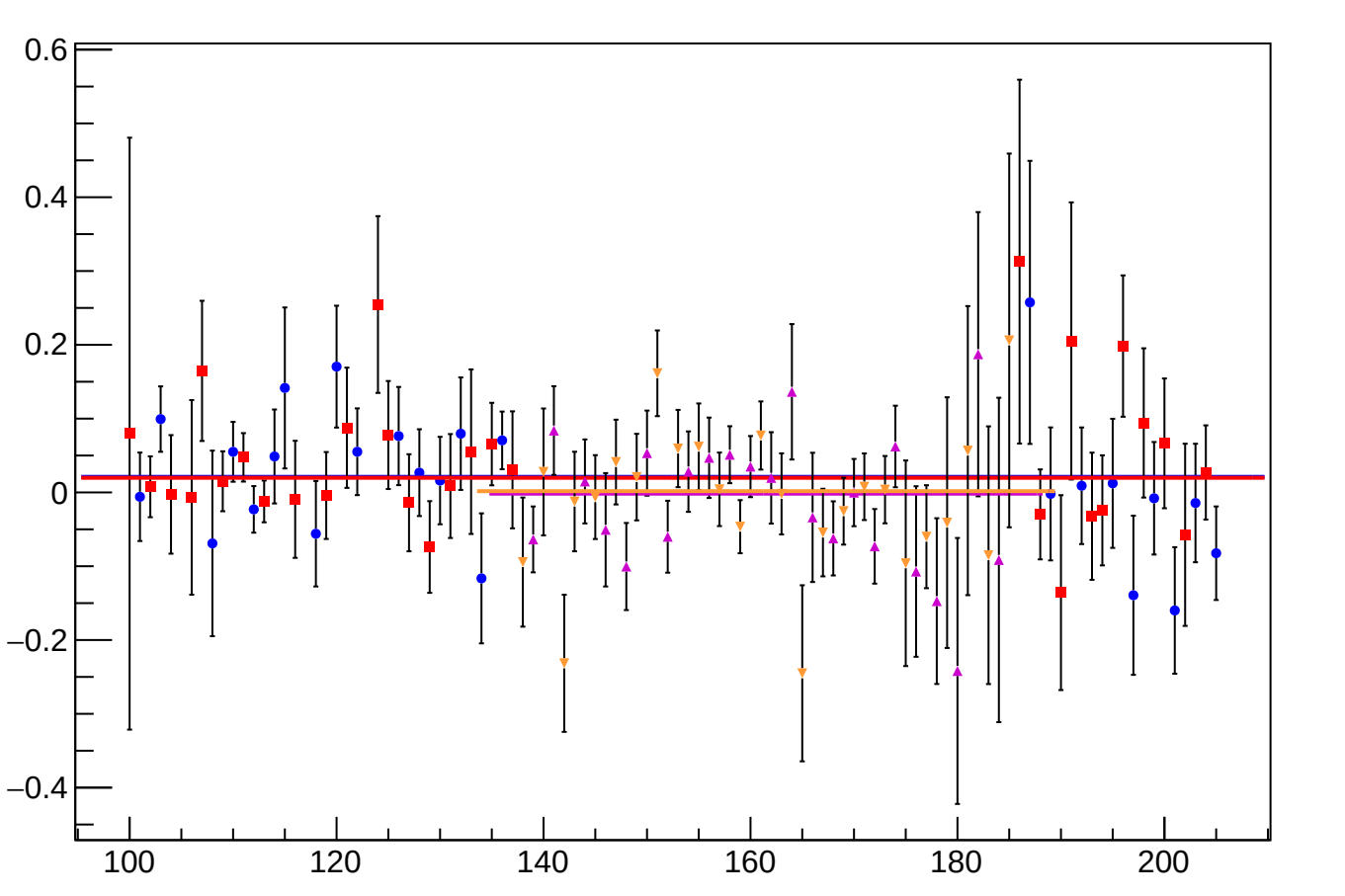
Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676606.4/49

All: 44.641+/-0.004 χ^2/NDF: 18125031.2/102

- sign 43.885+/-0.006 χ^2/NDF: 9416385.0/52



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

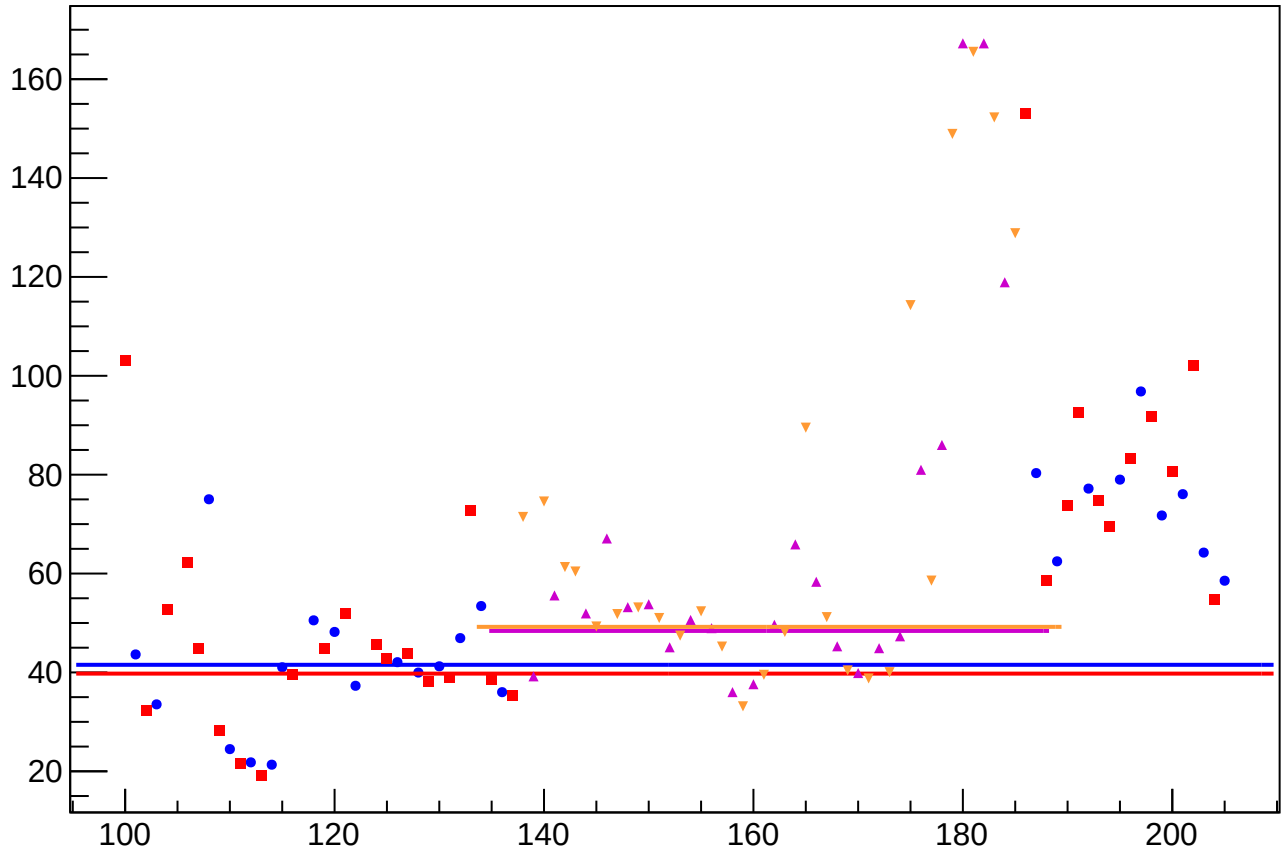
Right Out: 0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.010+/-0.006 χ^2/NDF: 111.8/102

- sign 0.010+/-0.009 χ^2/NDF: 50.9/52



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

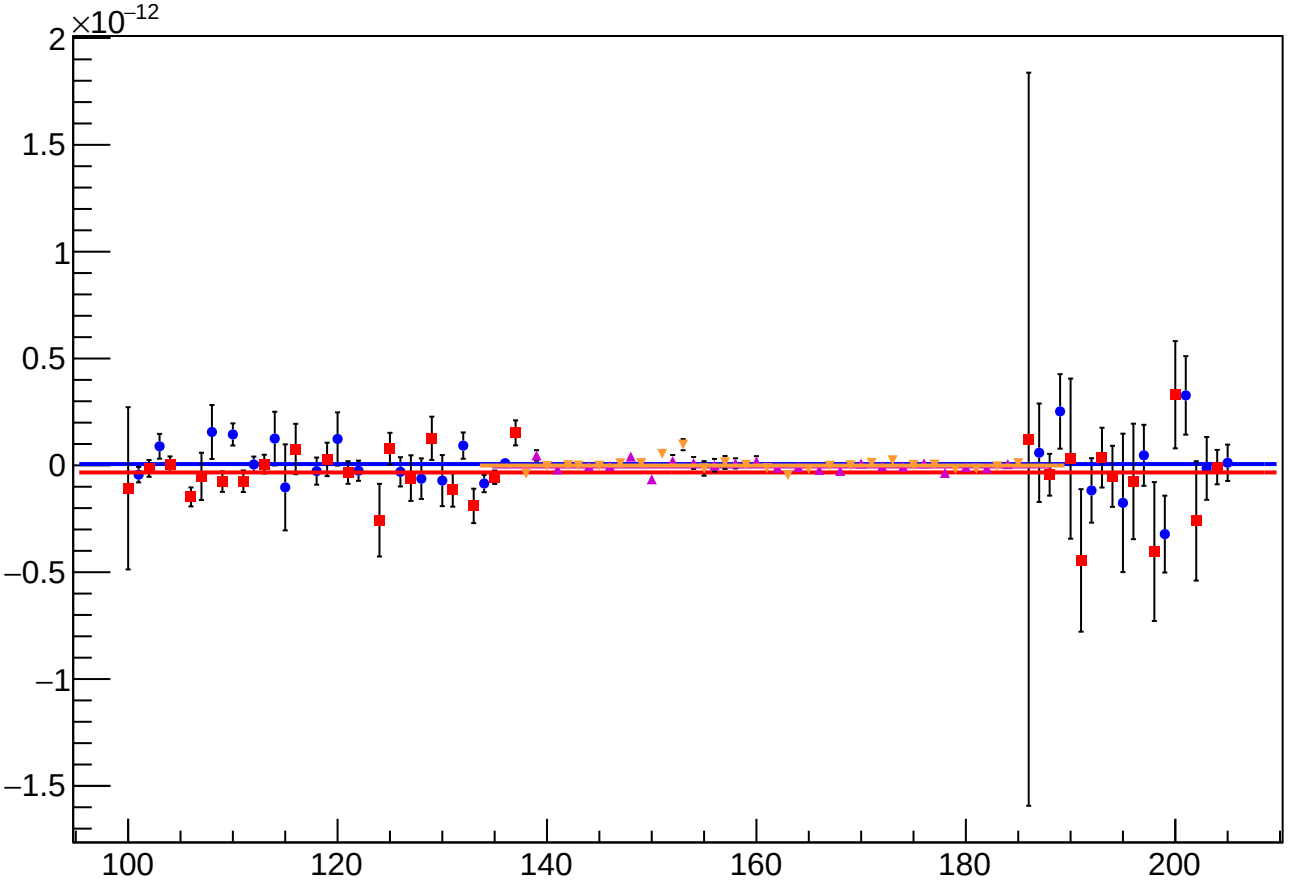
Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676606.4/49

All: 44.641+/-0.004 χ^2/NDF: 18125031.2/102

- sign 43.885+/-0.006 χ^2/NDF: 9416385.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

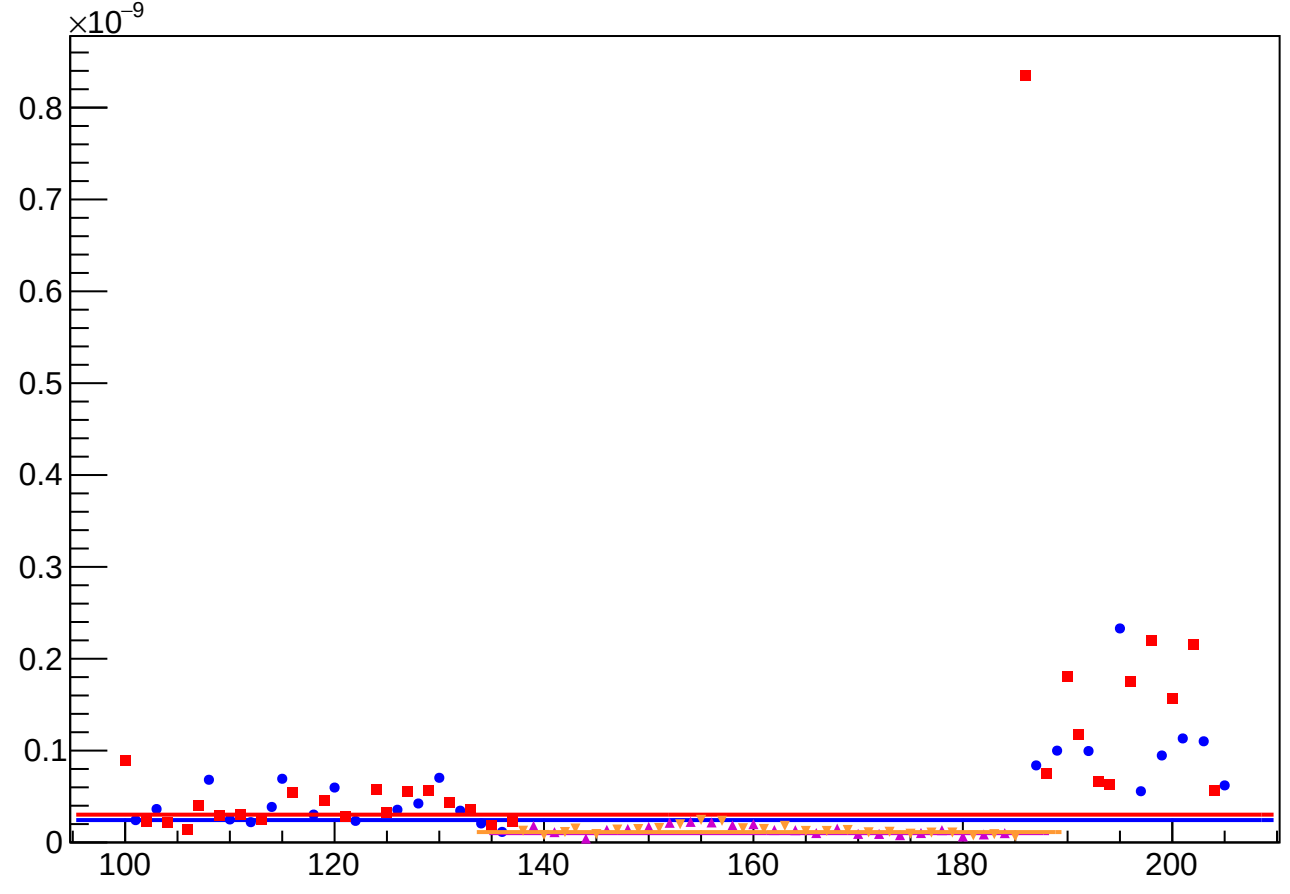
Right Out: -0.000+/-0.000 χ^2/NDF: 39.5/29

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/49

All: -0.000+/-0.000 χ^2/NDF: 145.3/102

- sign -0.000+/-0.000 χ^2/NDF: 72.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 6019724.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5795698.2/29

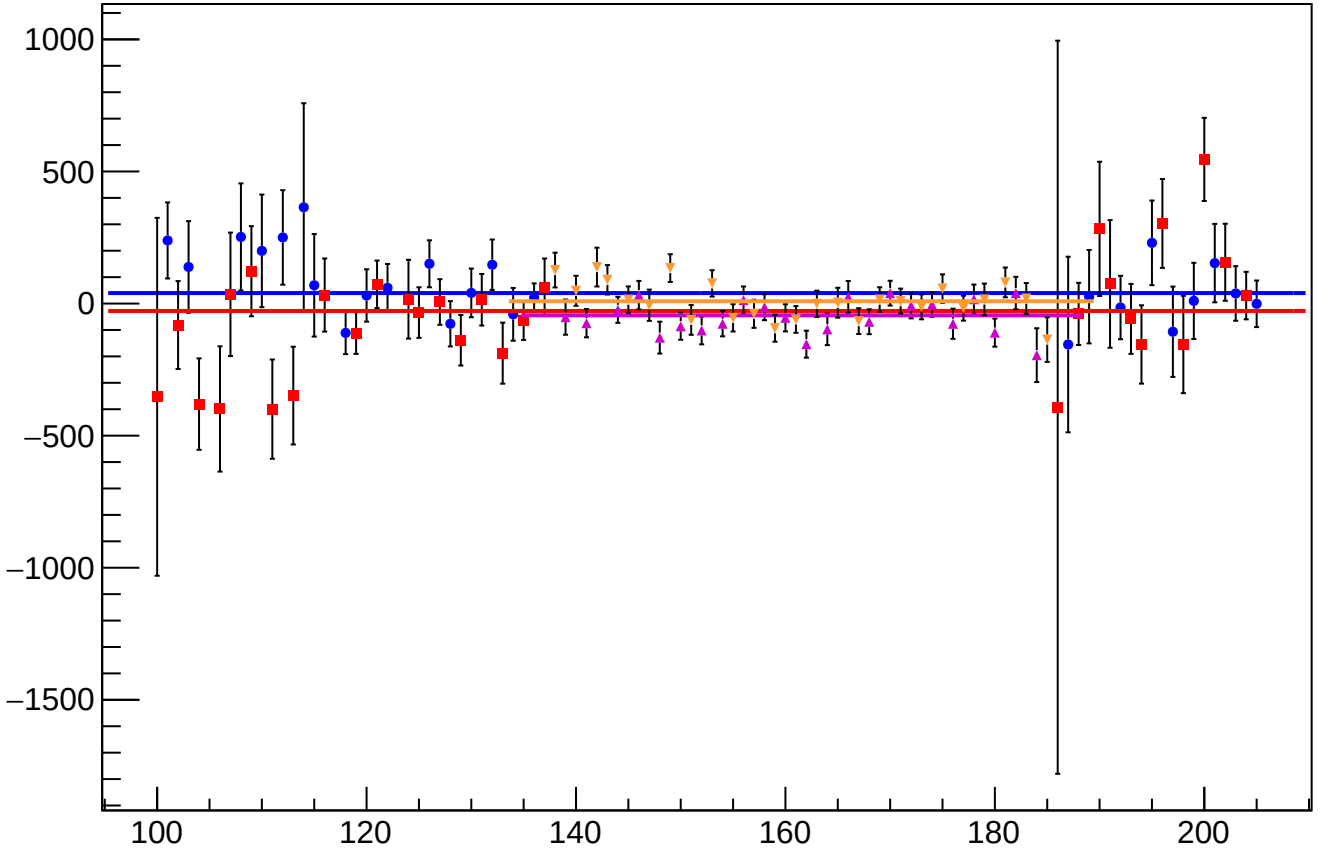
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10761692.8/49

All: 0.000+/-0.000 χ^2/NDF: 25482110.9/102

- sign 0.000+/-0.000 χ^2/NDF: 14620936.5/52

reg_asym_sam_1526_avg_mean vs Slug



Right In: 39.767+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -27.981+/-23.149 χ^2/NDF: 44.1/29

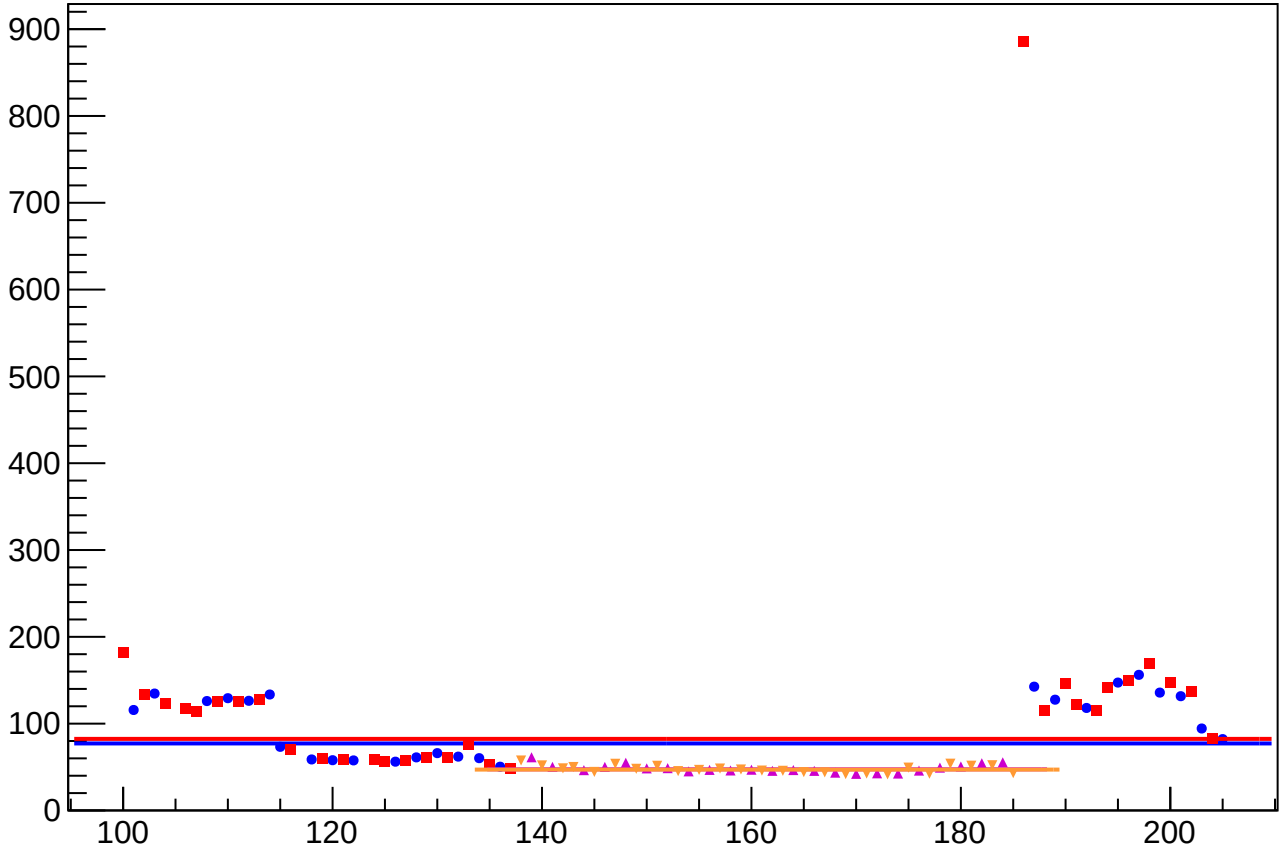
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.604+/-9.701 χ^2/NDF: 54.7/49

All: -12.436+/-6.978 χ^2/NDF: 142.3/102

- sign -41.424+/-10.044 χ^2/NDF: 71.5/52

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.191+/-0.016 χ^2/NDF: 3822267.6/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

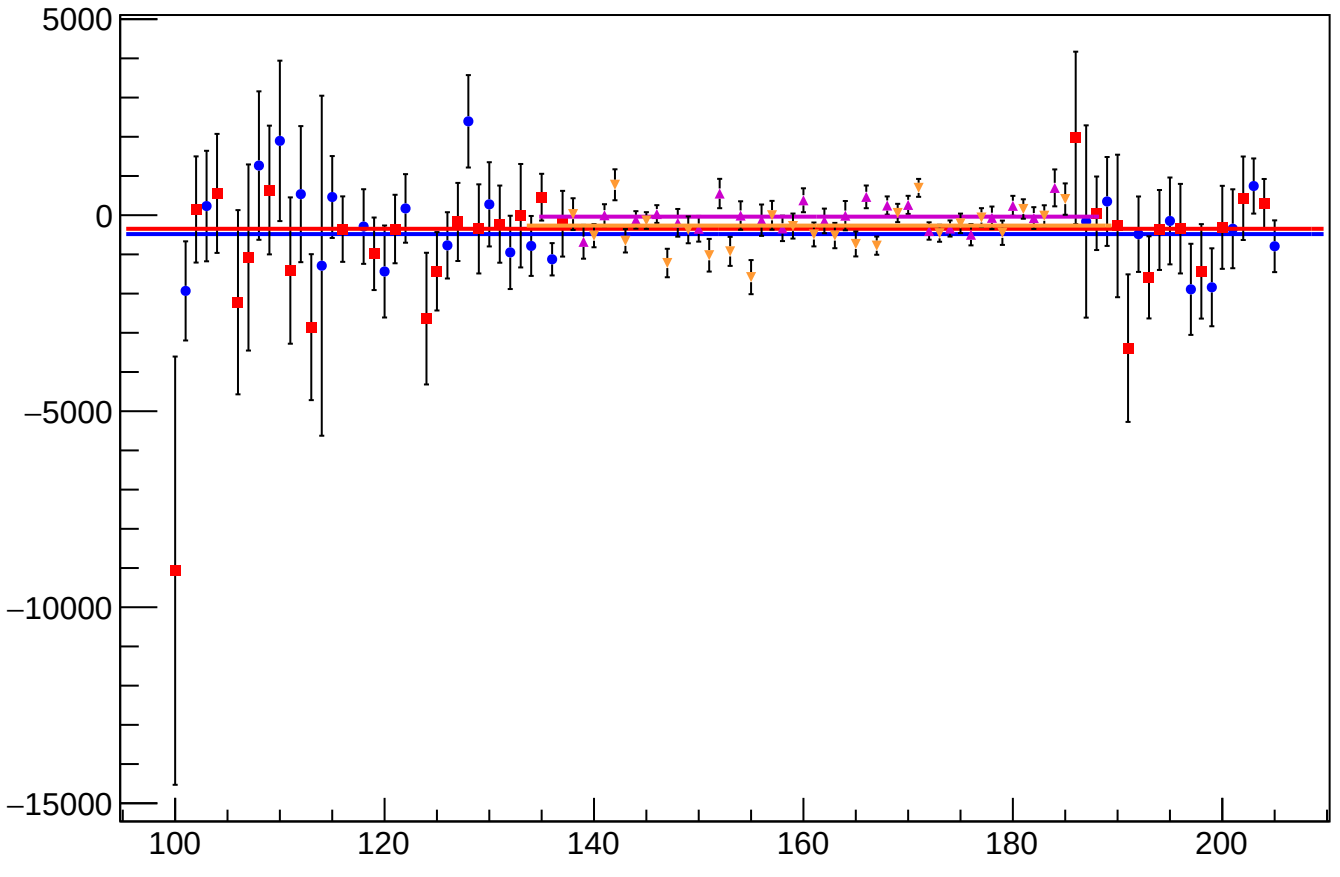
Right Out: 82.443+/-0.016 χ^2/NDF: 4982780.8/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.746+/-0.007 χ^2/NDF: 7061551.9/49

All: 53.343+/-0.005 χ^2/NDF: 16054815.9/102

- sign 53.984+/-0.007 χ^2/NDF: 8977534.0/52



Right In: -482.253+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -347.171+/-201.136 χ^2/NDF: 19.4/29

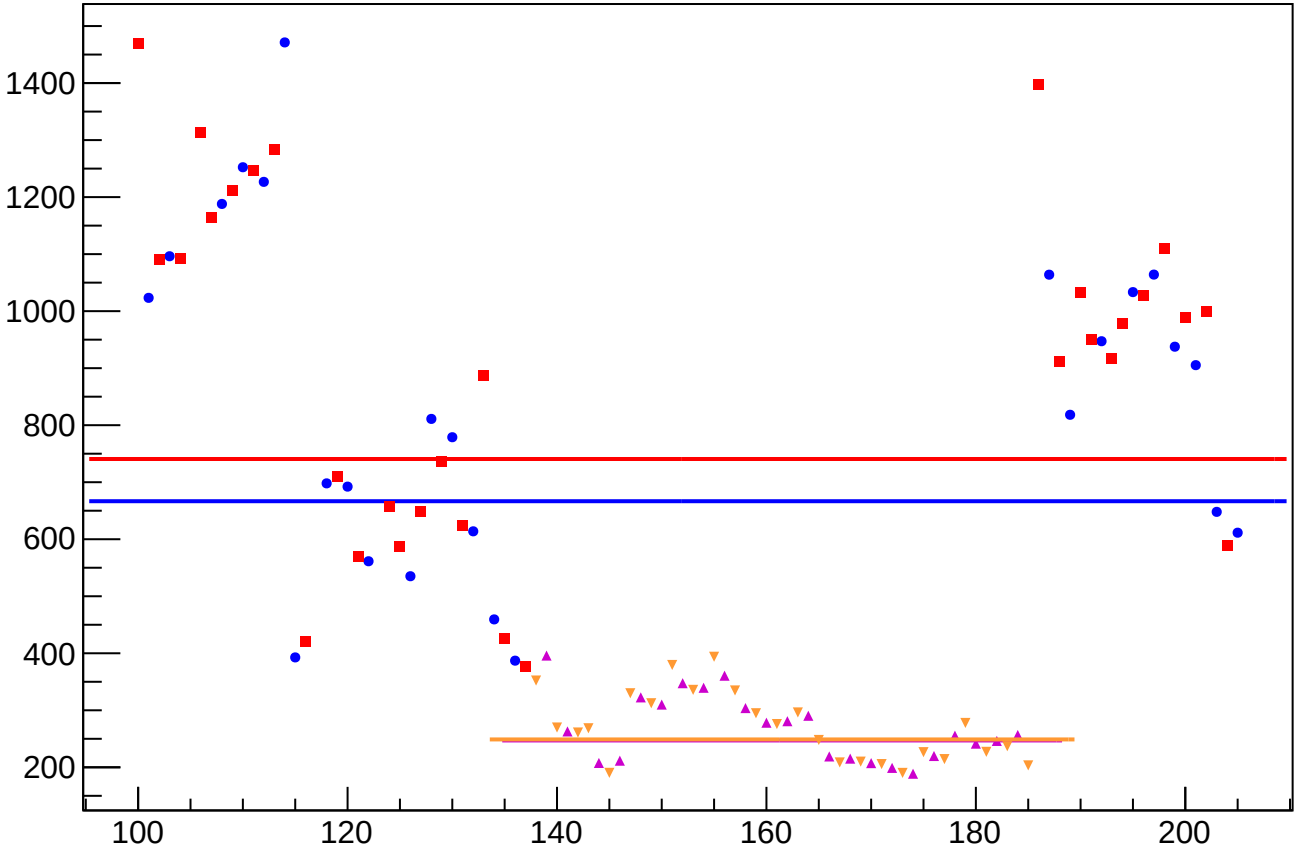
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -284.165+/-55.500 χ^2/NDF: 93.9/49

All: -175.657+/-39.681 χ^2/NDF: 149.9/102

- sign -62.184+/-56.755 χ^2/NDF: 48.2/52

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 666.678+/-0.134 χ^2/NDF: 3269171.4/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 740.717+/-0.142 χ^2/NDF: 3511771.2/29

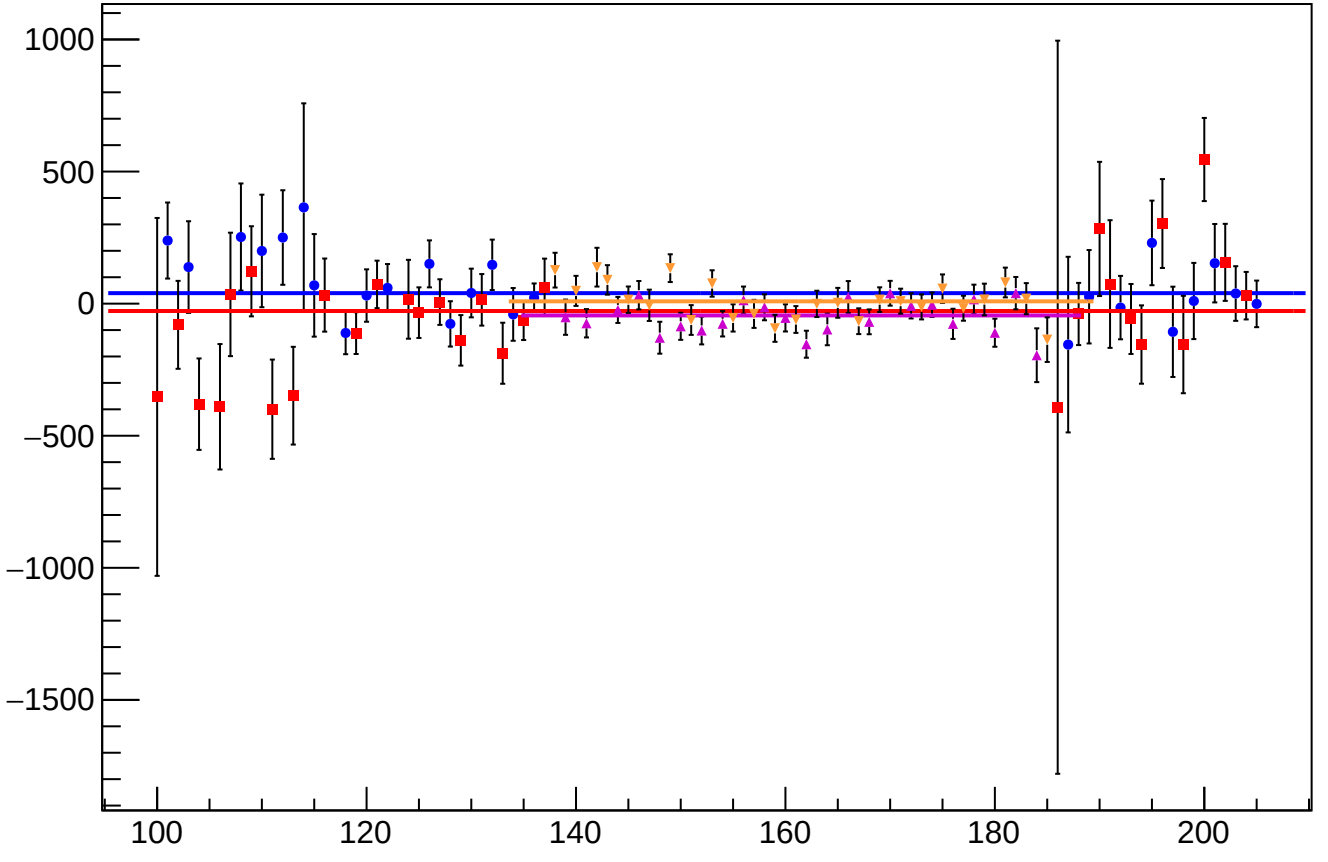
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 284.544+/-0.039 χ^2/NDF: 13779156.8/49

All: 285.457+/-0.028 χ^2/NDF: 29862615.6/10

- sign 286.411+/-0.040 χ^2/NDF: 16082352.4/52

cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -27.870+/-23.150 χ^2/NDF: 43.9/29

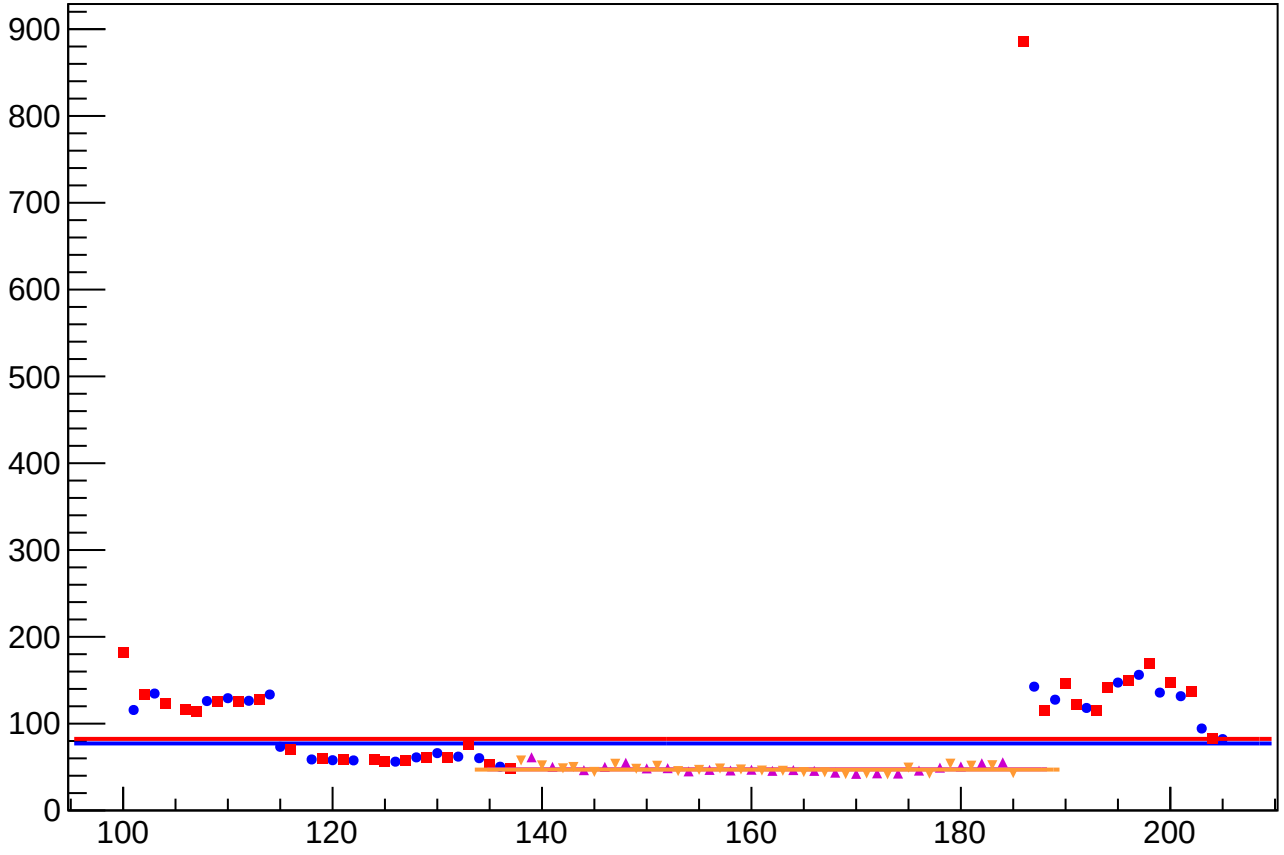
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.604+/-9.701 χ^2/NDF: 54.7/49

All: -12.425+/-6.978 χ^2/NDF: 142.1/102

- sign -41.402+/-10.044 χ^2/NDF: 71.4/52

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

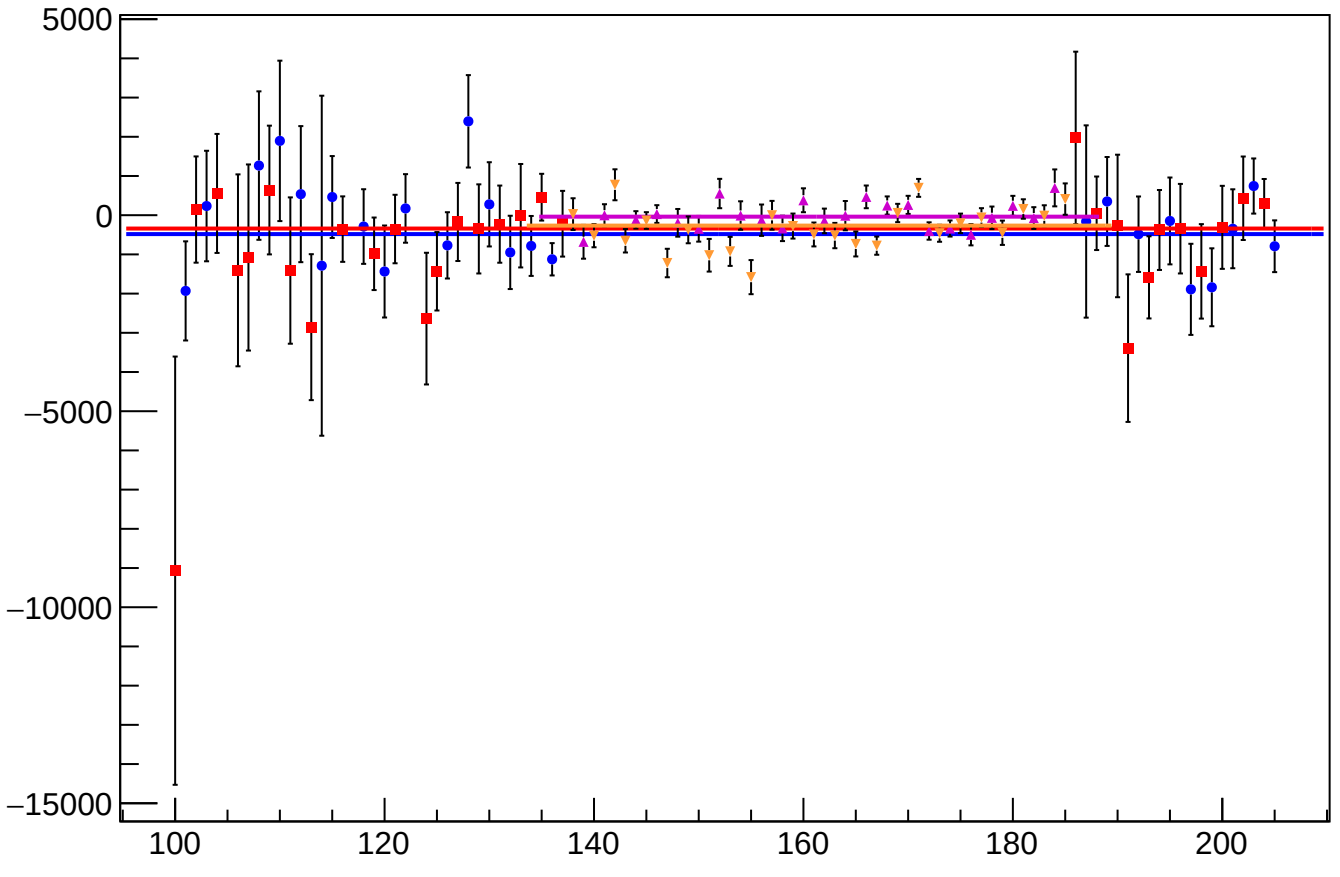
Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.746+/-0.007 χ^2/NDF: 7061554.0/49

All: 53.342+/-0.005 χ^2/NDF: 16050217.9/102

- sign 53.982+/-0.007 χ^2/NDF: 8972988.0/52



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -340.663+/-201.198 χ^2/NDF: 18.9/29

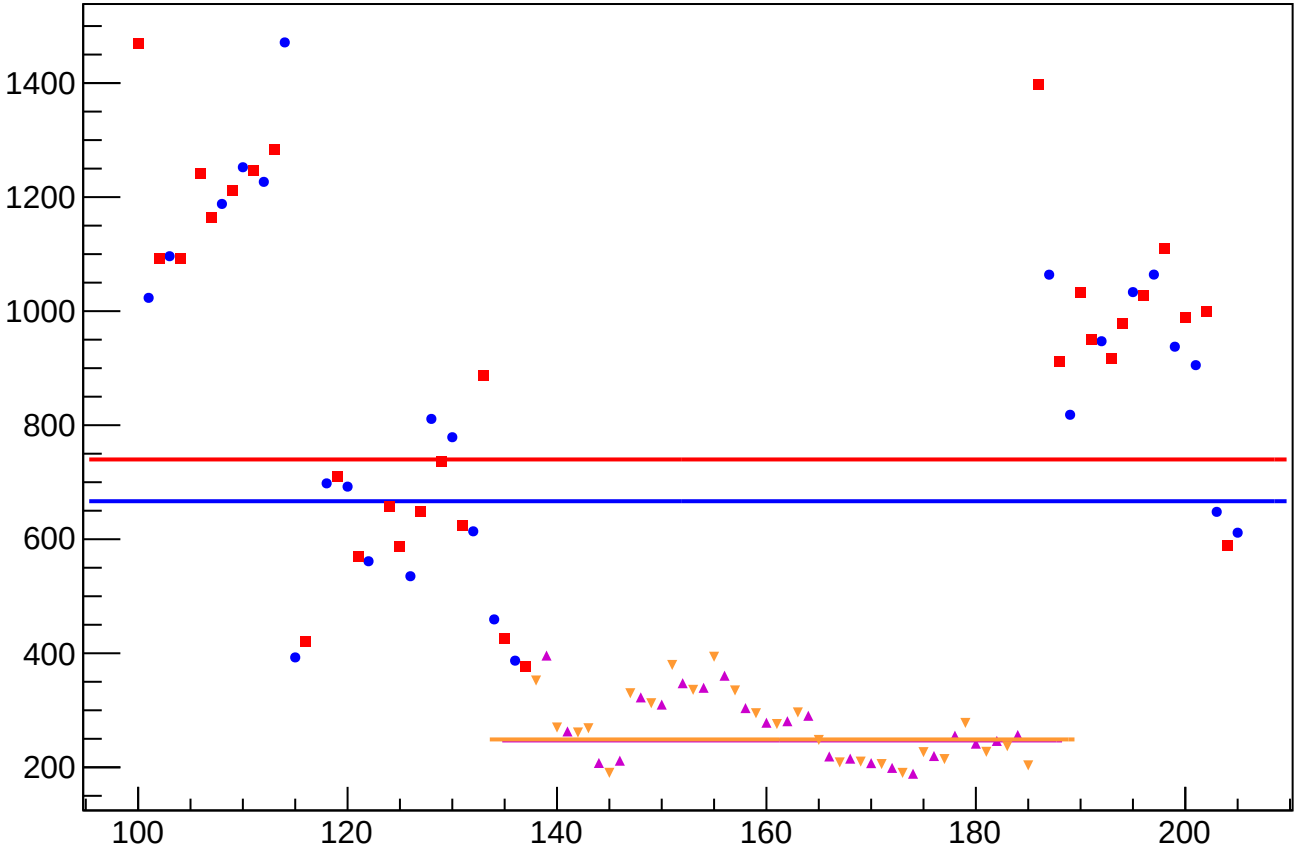
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -284.161+/-55.500 χ^2/NDF: 93.9/49

All: -175.396+/-39.681 χ^2/NDF: 149.4/102

- sign -61.649+/-56.757 χ^2/NDF: 47.6/52

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

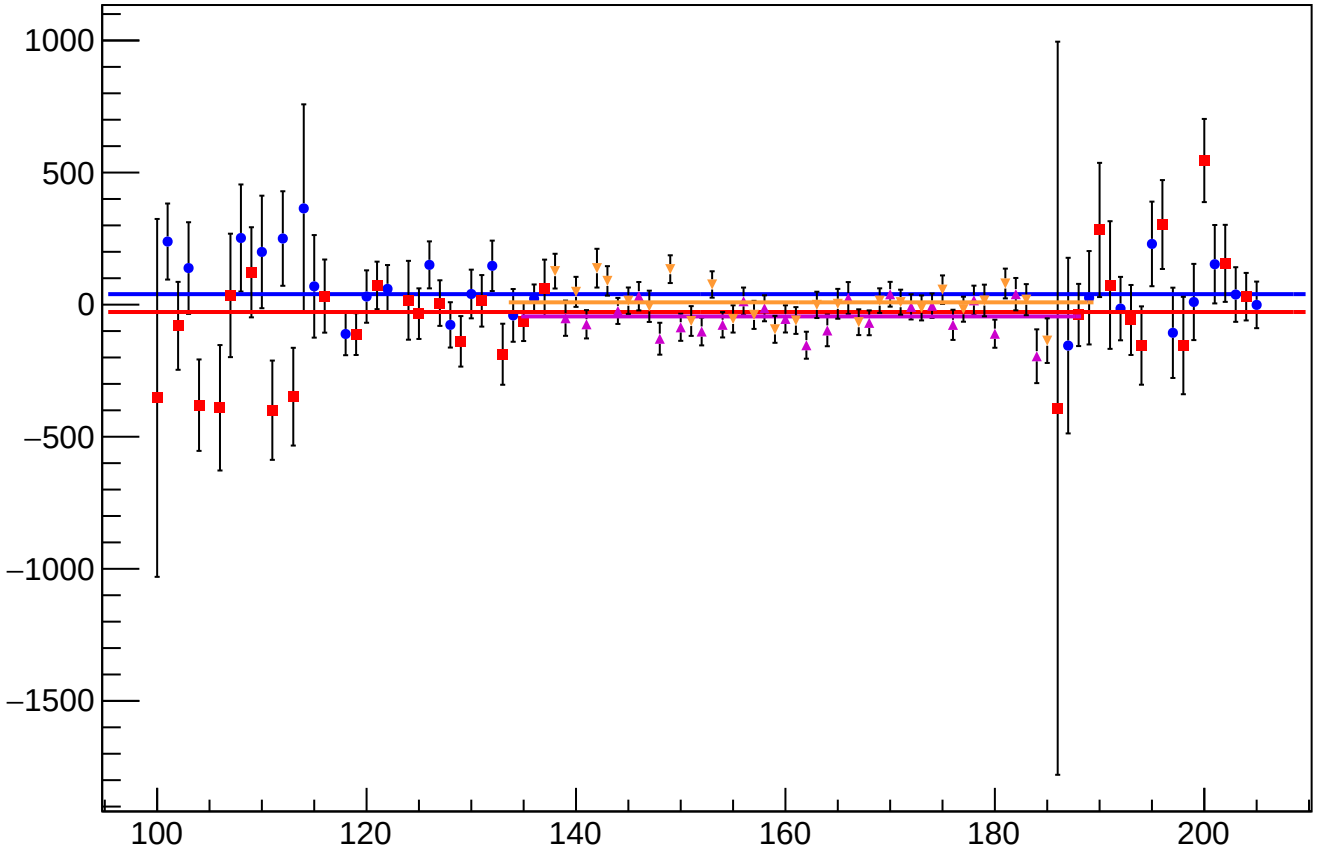
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 284.544+/-0.039 χ^2/NDF: 13779197.0/49

All: 285.414+/-0.028 χ^2/NDF: 29785294.4/10

- sign 286.325+/-0.040 χ^2/NDF: 16005090.6/52

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -27.870+/-23.150 χ^2/NDF: 43.9/29

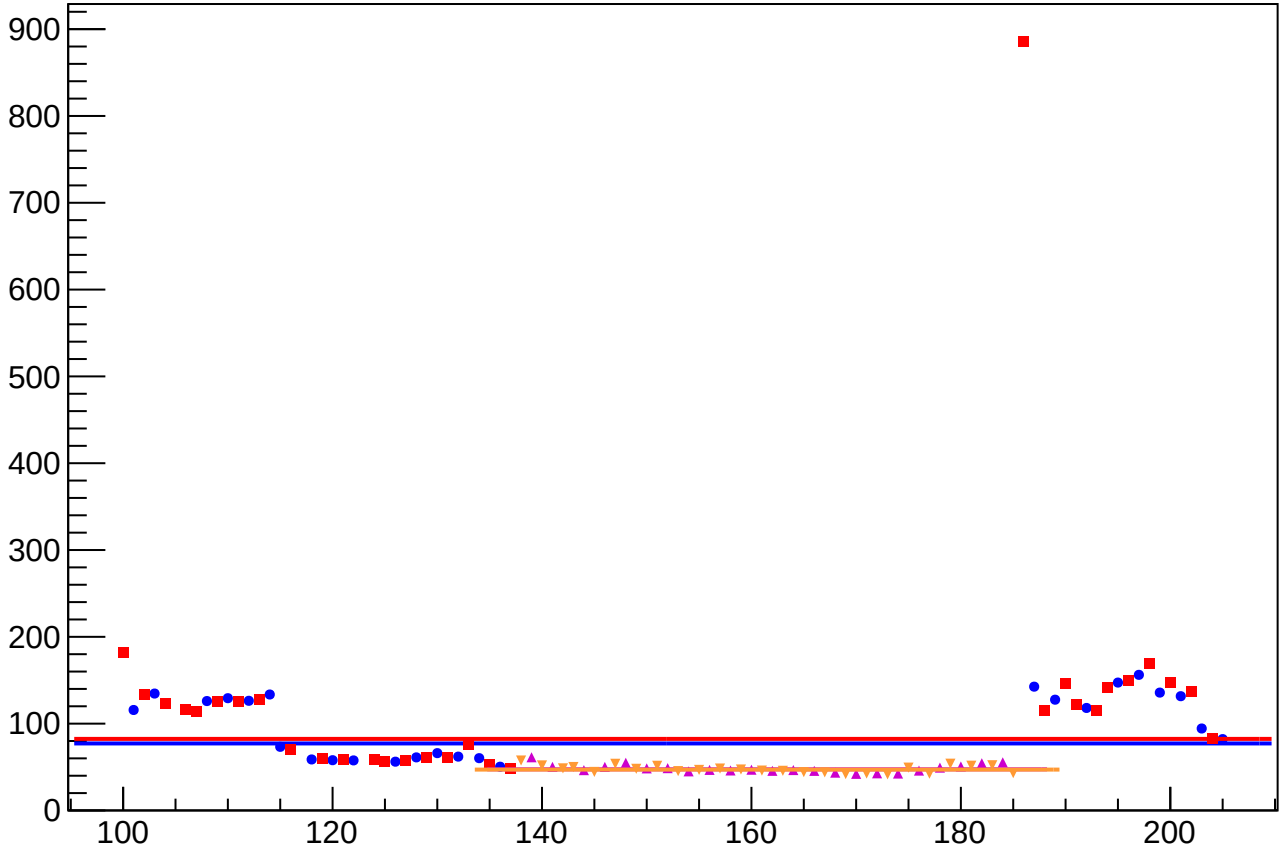
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.604+/-9.701 χ^2/NDF: 54.7/49

All: -12.425+/-6.978 χ^2/NDF: 142.1/102

- sign -41.402+/-10.044 χ^2/NDF: 71.4/52

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

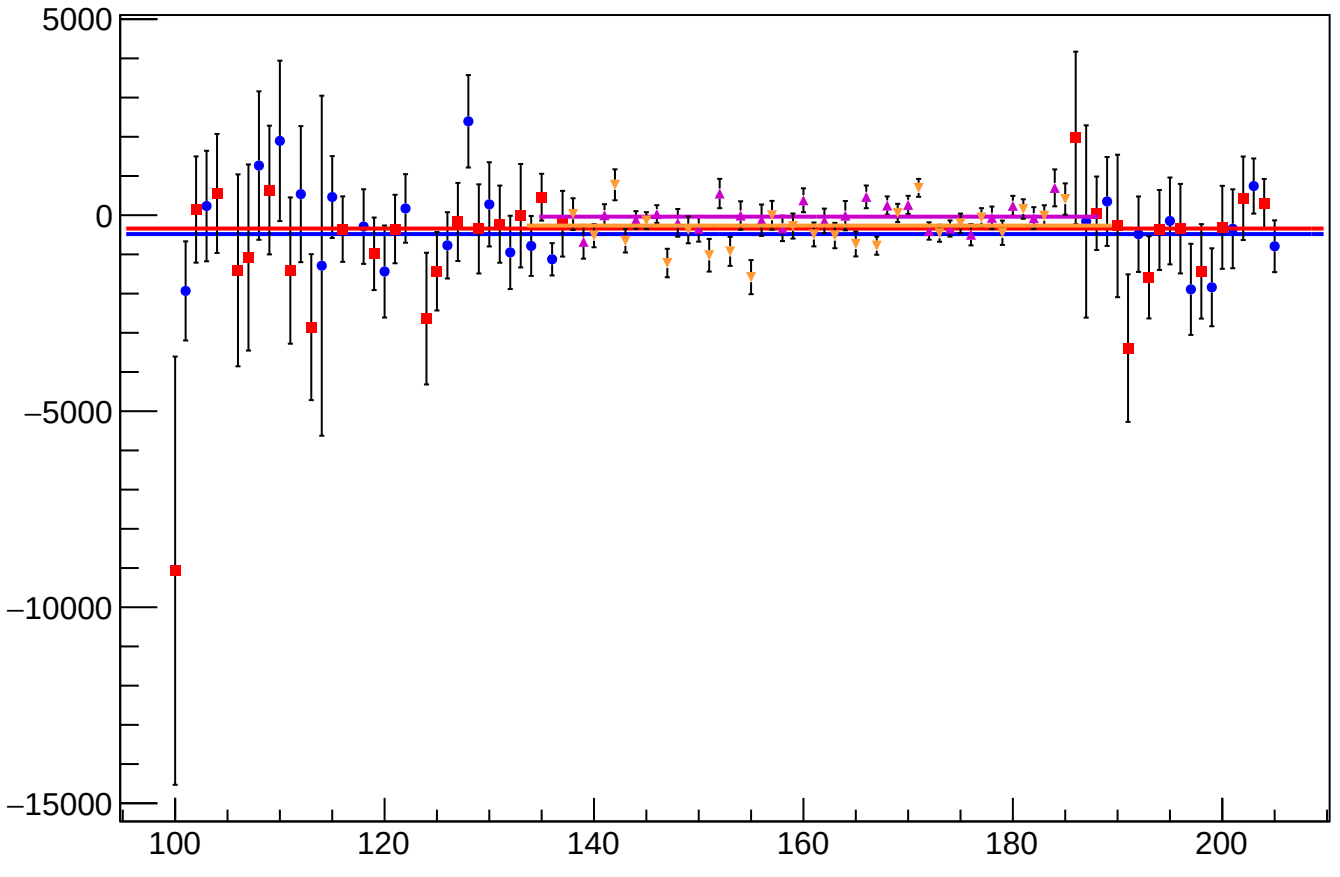
Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.746+/-0.007 χ^2/NDF: 7061554.0/49

All: 53.342+/-0.005 χ^2/NDF: 16050217.9/102

- sign 53.982+/-0.007 χ^2/NDF: 8972988.0/52



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

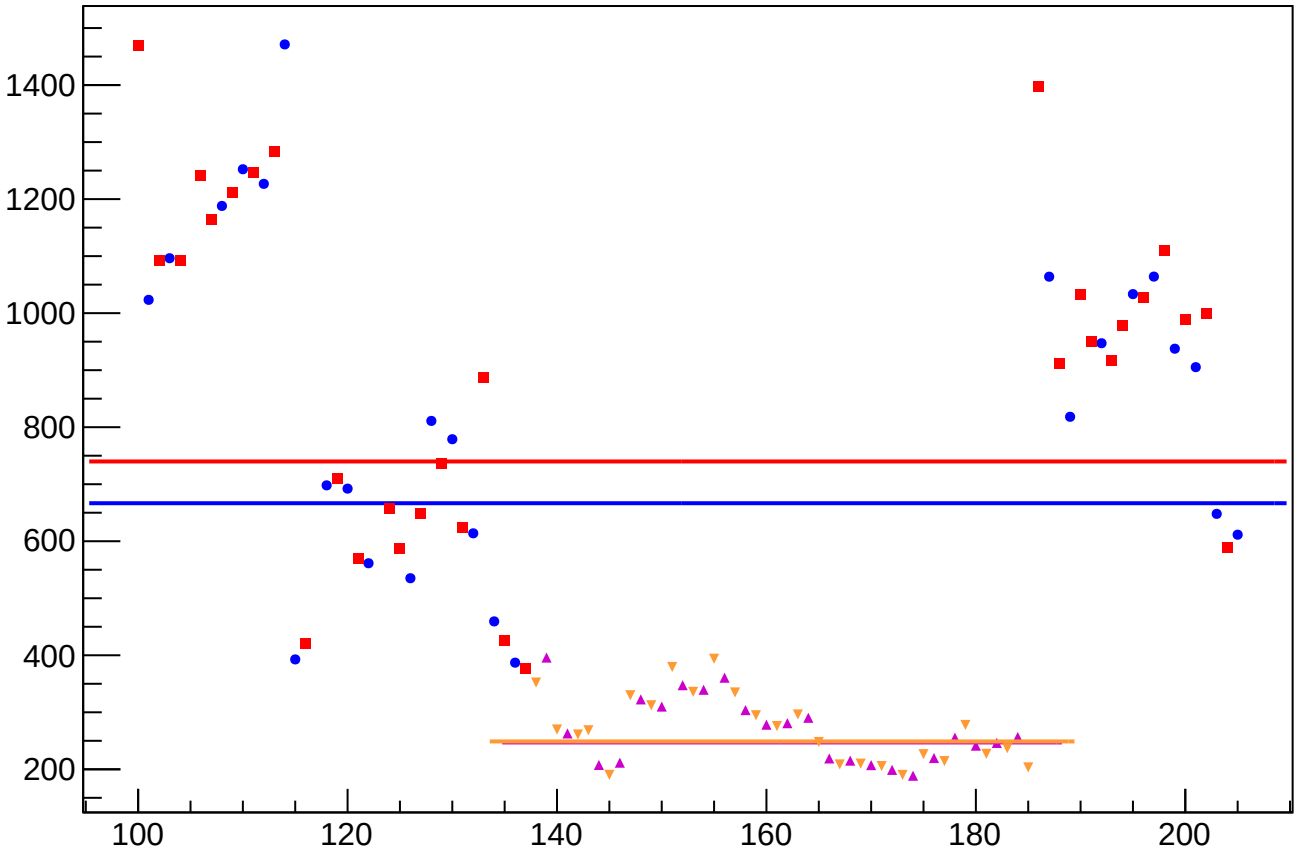
Right Out: -340.663+/-201.198 χ^2/NDF: 18.9/29

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -284.161+/-55.500 χ^2/NDF: 93.9/49

All: -175.396+/-39.681 χ^2/NDF: 149.4/102

- sign -61.649+/-56.757 χ^2/NDF: 47.6/52



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

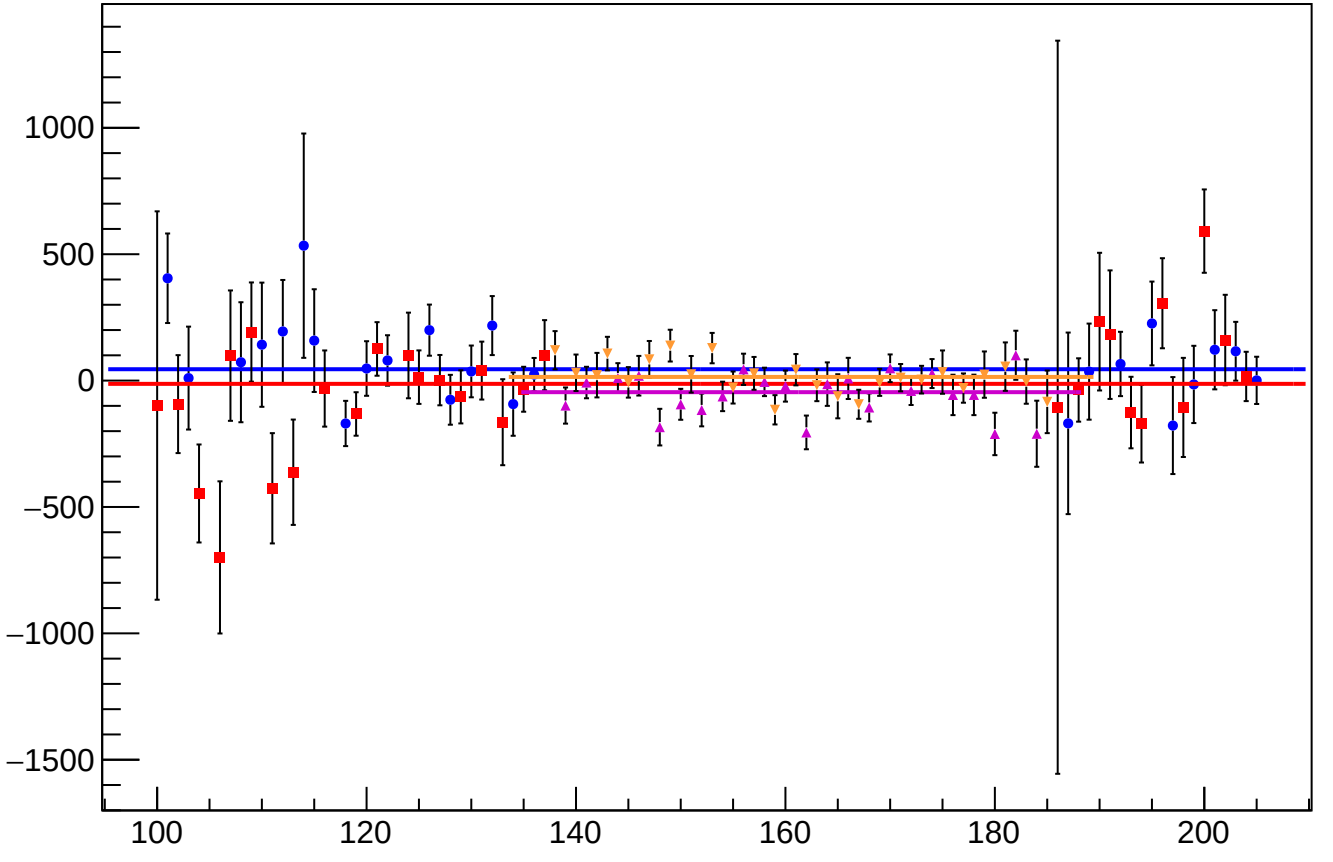
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 284.544+/-0.039 χ^2/NDF: 13779197.0/49

All: 285.414+/-0.028 χ^2/NDF: 29785294.4/10

- sign 286.325+/-0.040 χ^2/NDF: 16005090.6/52

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.981+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -12.895+/-26.350 χ^2/NDF: 45.2/29

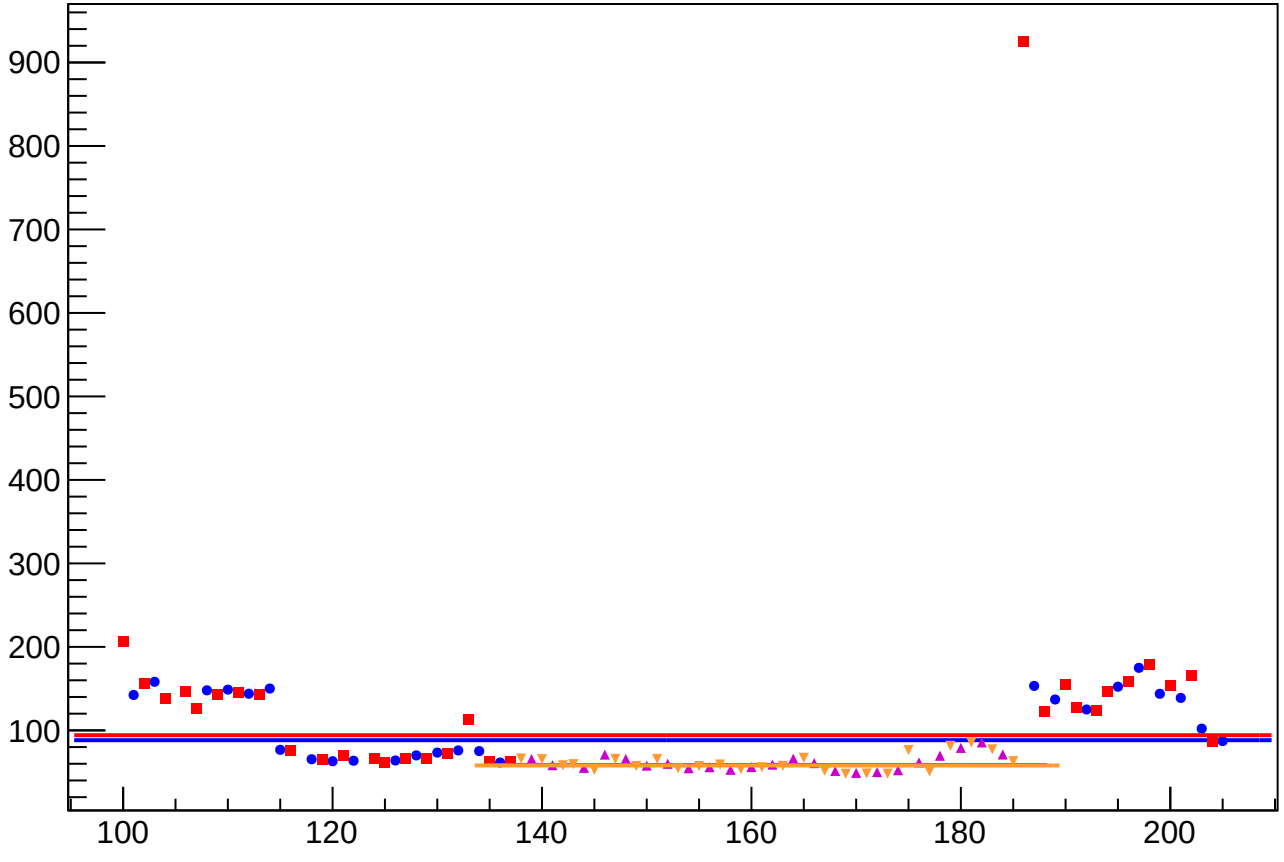
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 21.179+/-11.889 χ^2/NDF: 49.2/49

All: -7.664+/-8.554 χ^2/NDF: 138.6/102

- sign -38.616+/-12.316 χ^2/NDF: 77.2/52

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.217+/-0.018 χ^2/NDF: 3399421.1/24

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

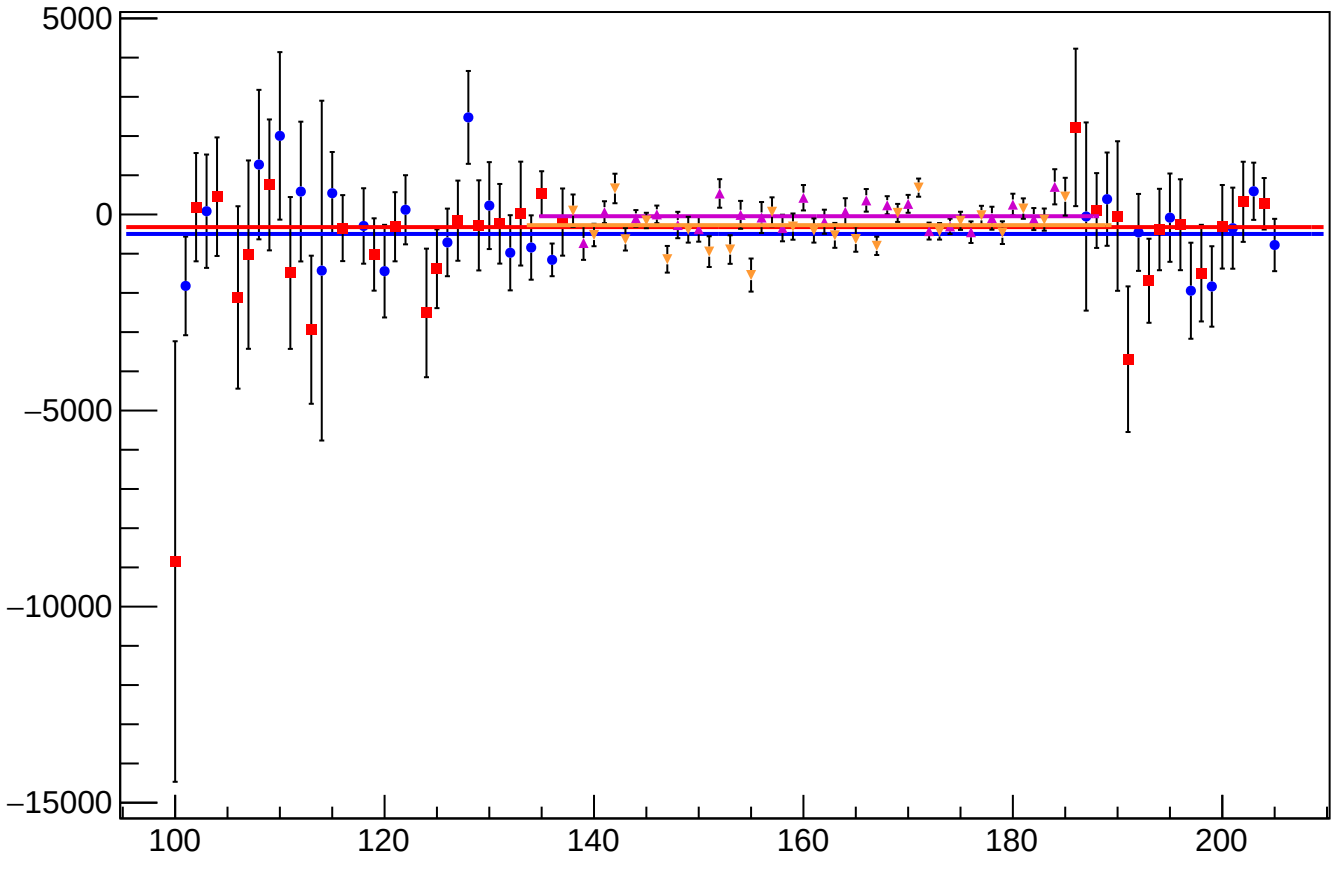
Right Out: 94.204+/-0.019 χ^2/NDF: 4560078.3/29

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 64.596+/-0.008 χ^2/NDF: 6512587.7/49

All: 65.410+/-0.006 χ^2/NDF: 14615239.8/102

- sign 66.283+/-0.009 χ^2/NDF: 8083212.6/52



Right In: -496.772+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -322.003+/-202.209 χ^2/NDF: 20.8/29

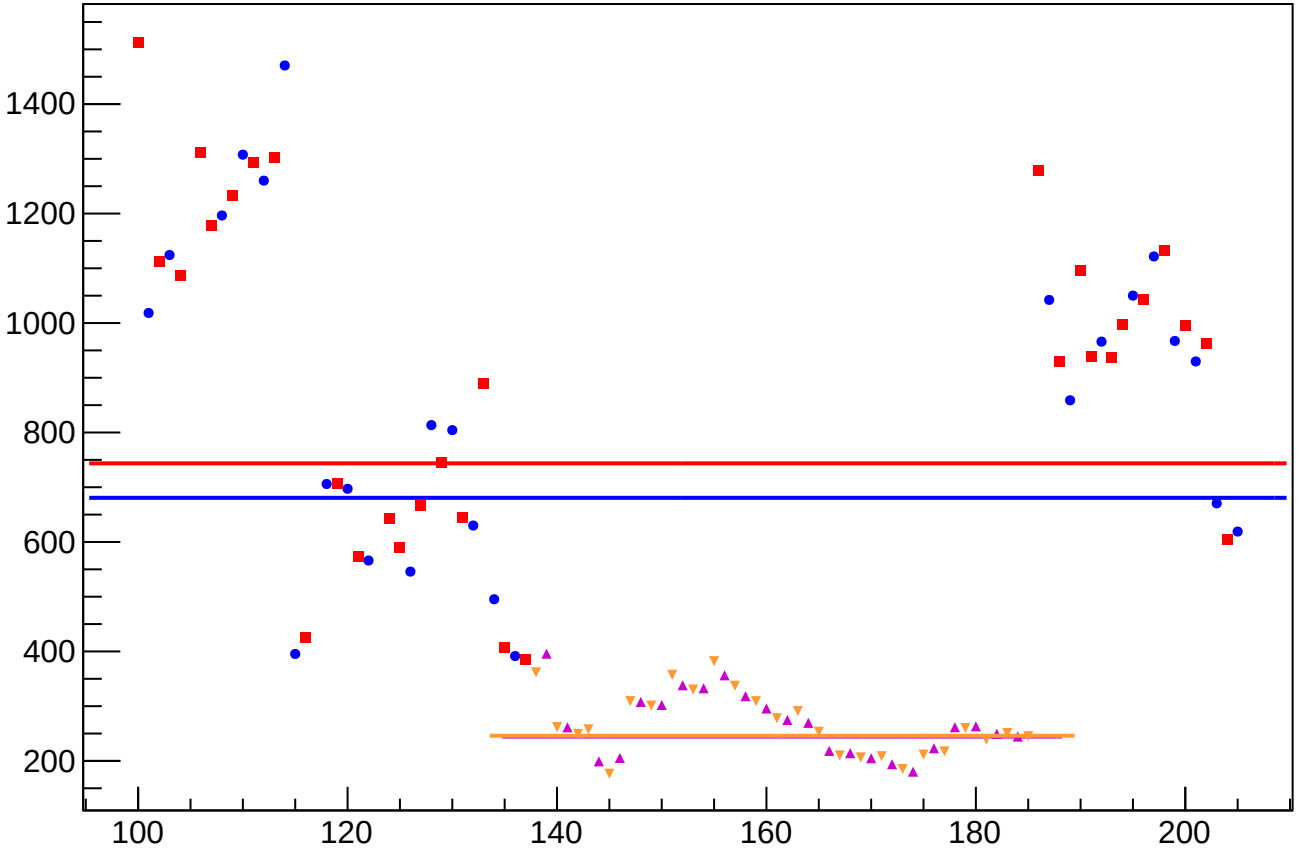
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

\+ sign -290.485+/-54.931 χ^2/NDF: 89.1/49

All: -181.027+/-39.316 χ^2/NDF: 146.2/102

\- sign -66.059+/-56.297 χ^2/NDF: 49.0/52

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 680.667+/-0.137 χ^2/NDF: 3306221.9/24

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613599.8/29

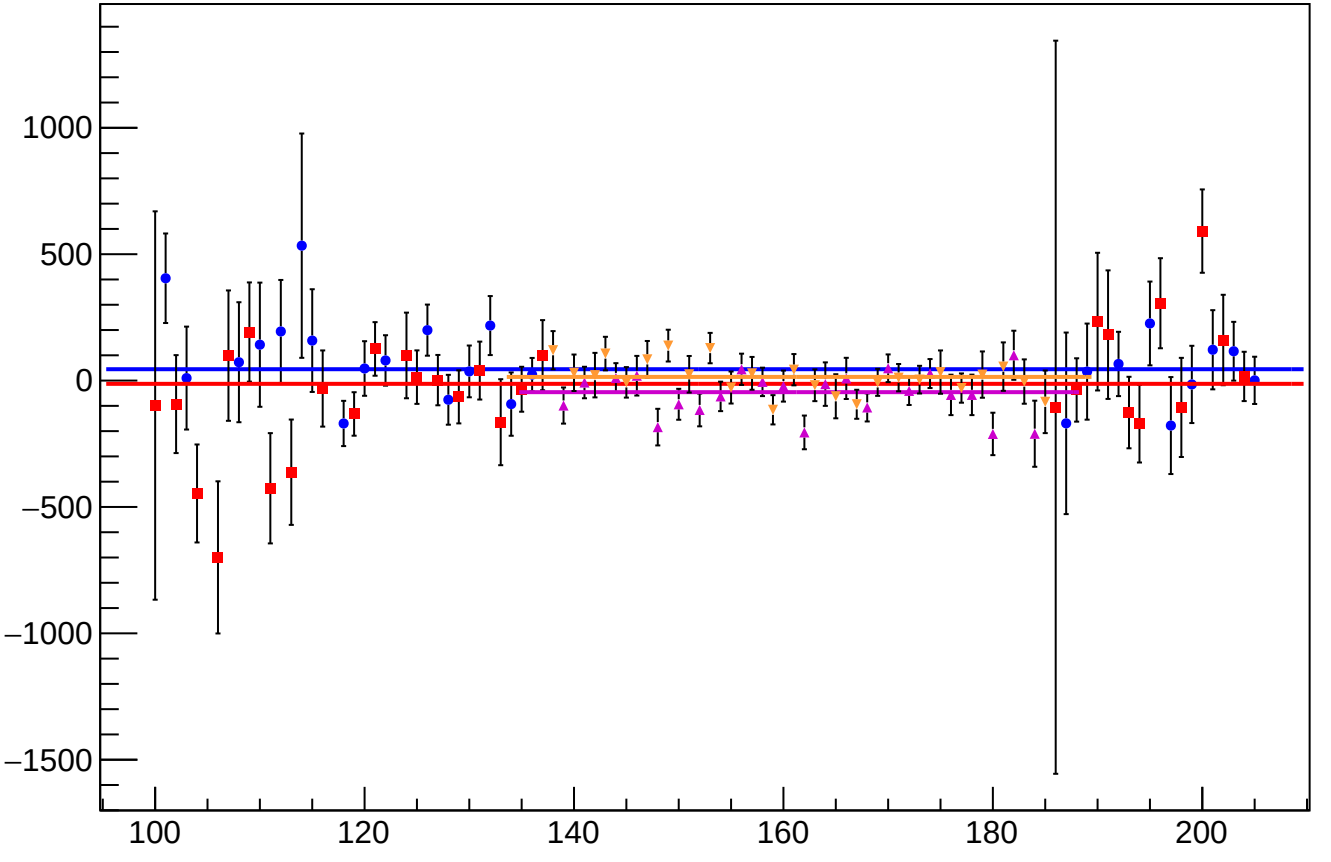
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 280.849+/-0.039 χ^2/NDF: 14217596.9/49

All: 281.968+/-0.028 χ^2/NDF: 30674470.9/10

- sign 283.144+/-0.040 χ^2/NDF: 16455171.8/52

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.982+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -12.895+/-26.350 χ^2/NDF: 45.2/29

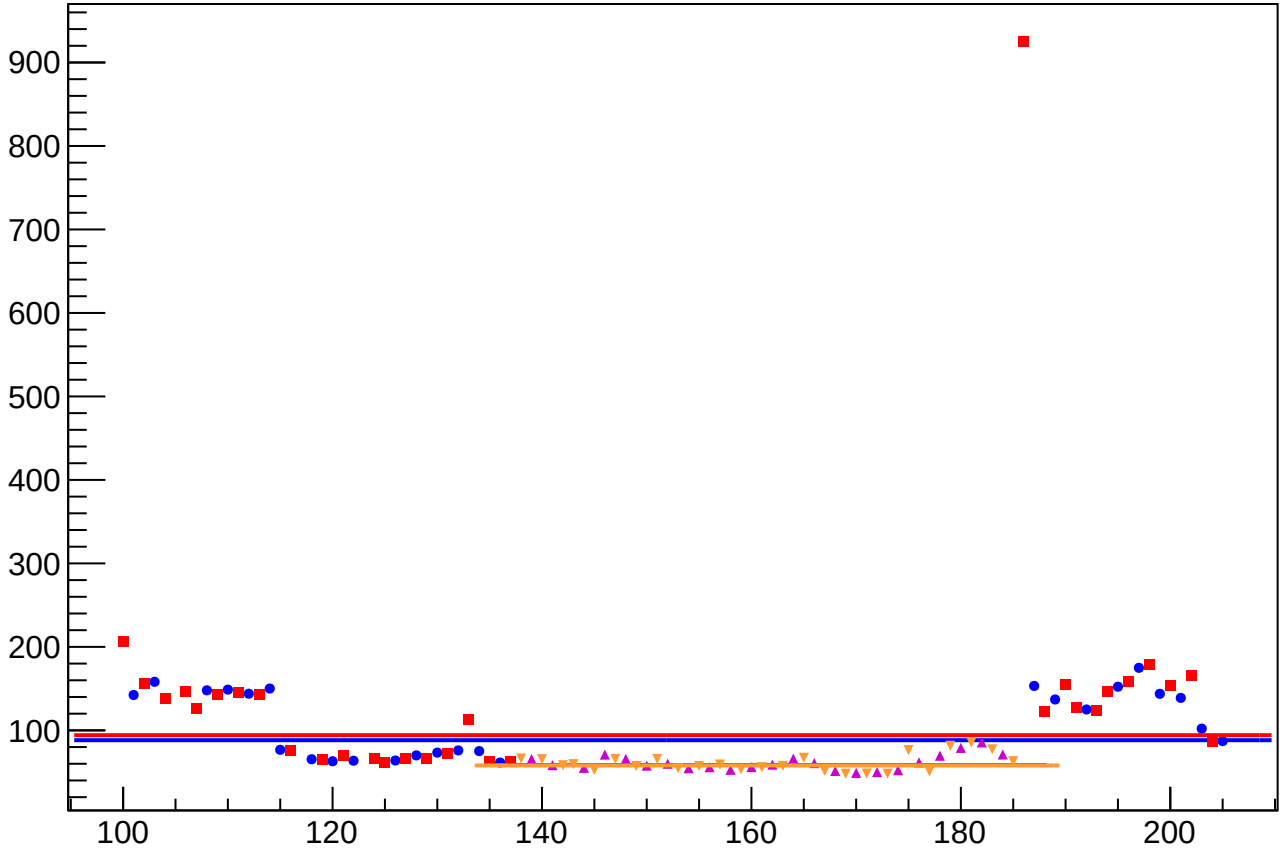
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 21.179+/-11.889 χ^2/NDF: 49.2/49

All: -7.663+/-8.554 χ^2/NDF: 138.6/102

- sign -38.616+/-12.316 χ^2/NDF: 77.2/52

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.217+/-0.018 χ^2/NDF: 3399423.6/24

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

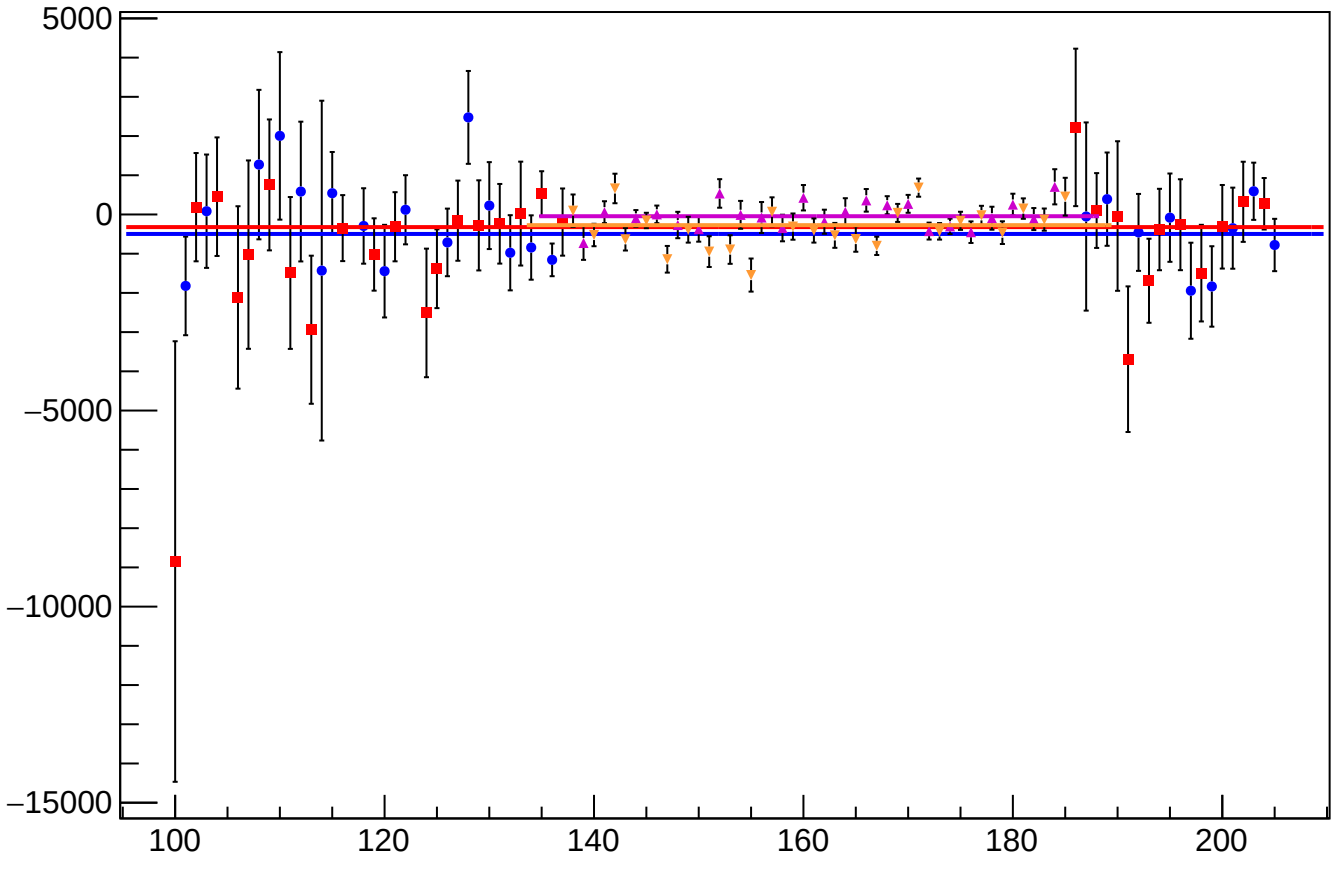
Right Out: 94.204+/-0.019 χ^2/NDF: 4560092.7/29

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 64.596+/-0.008 χ^2/NDF: 6512546.2/49

All: 65.410+/-0.006 χ^2/NDF: 14615141.6/102

- sign 66.284+/-0.009 χ^2/NDF: 8083154.2/52



Right In: -496.770+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

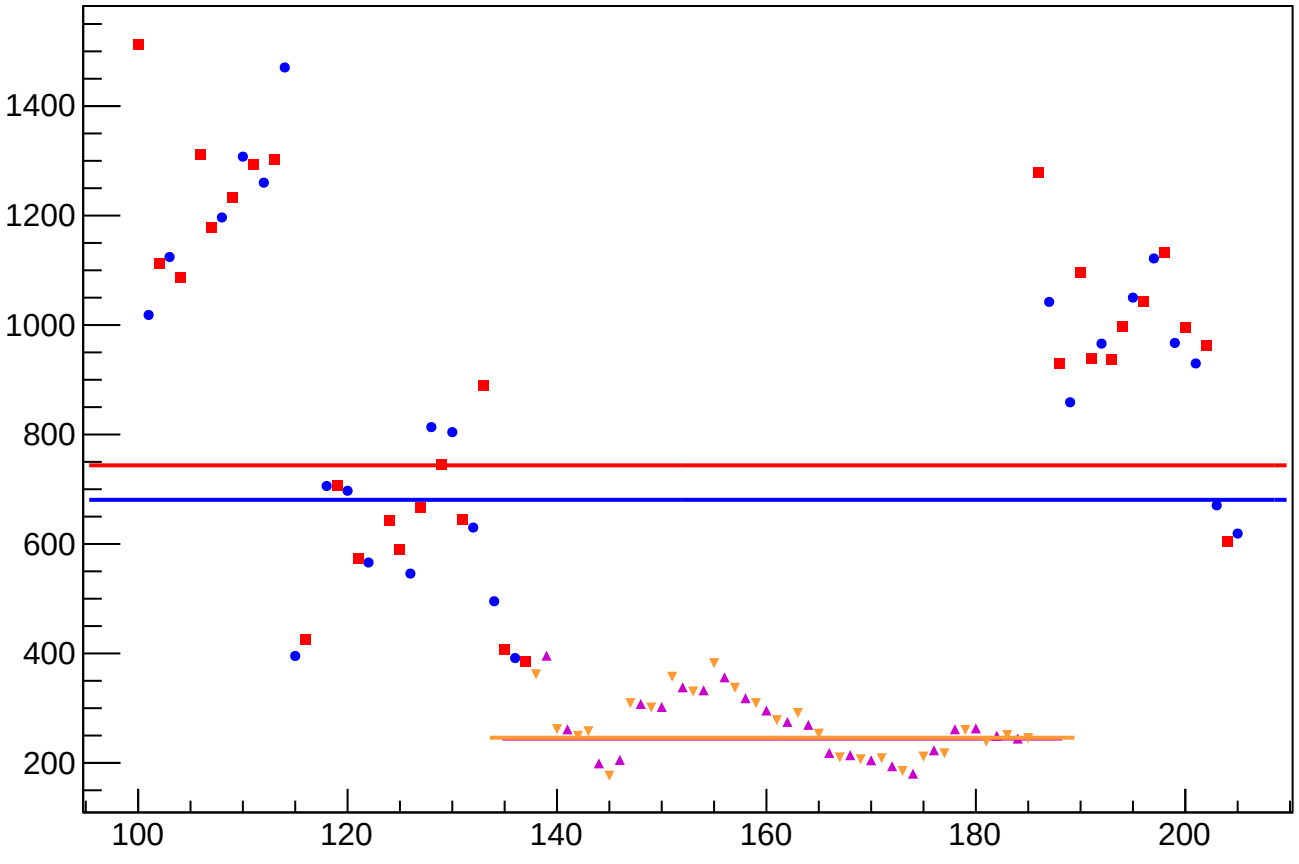
Right Out: -322.004+/-202.209 χ^2/NDF: 20.8/29

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

\+ sign -290.484+/-54.931 χ^2/NDF: 89.1/49

All: -181.026+/-39.316 χ^2/NDF: 146.2/102

\- sign -66.058+/-56.297 χ^2/NDF: 49.0/52



Right In: 680.666+/-0.137 χ^2/NDF: 3306205.0/24

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613580.7/29

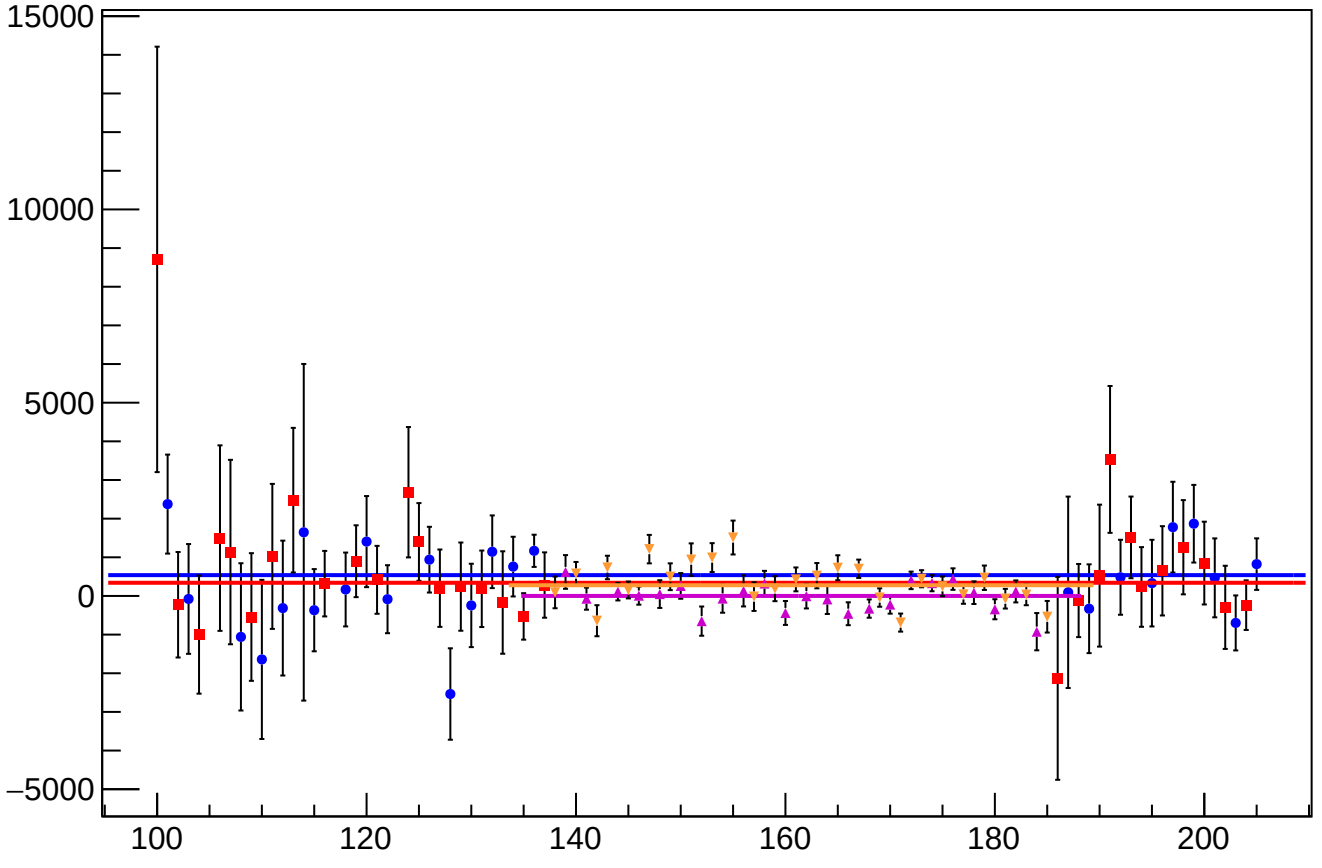
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 280.849+/-0.039 χ^2/NDF: 14217602.6/49

All: 281.968+/-0.028 χ^2/NDF: 30674462.9/10

- sign 283.144+/-0.040 χ^2/NDF: 16455157.7/52

asym_sam_1526_avg_mean vs Slug



Right In: 538.632+/-191.742 χ^2/NDF: 23.3/24

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 340.802+/-203.057 χ^2/NDF: 18.3/29

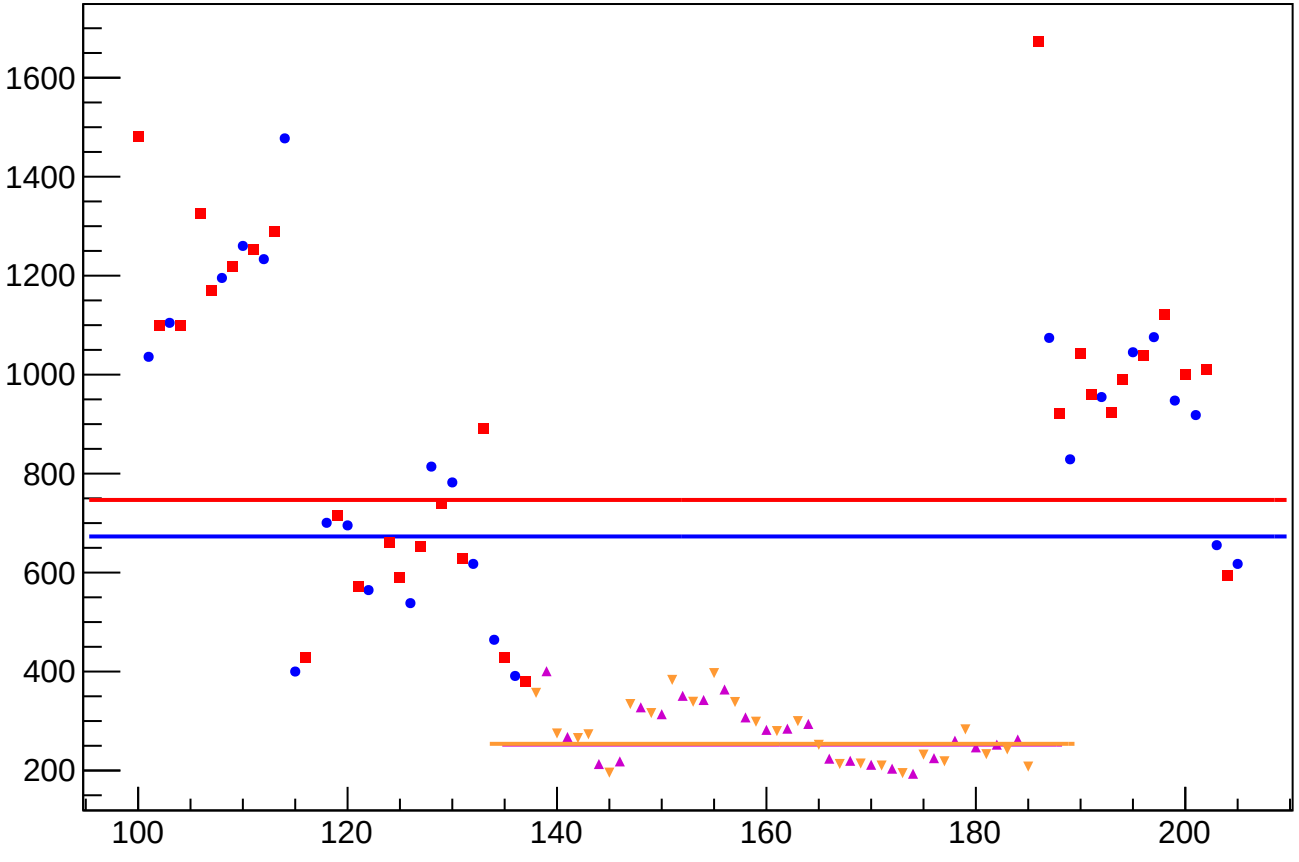
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 299.804+/-56.520 χ^2/NDF: 89.1/49

All: 167.158+/-40.429 χ^2/NDF: 149.3/102

- sign 28.176+/-57.855 χ^2/NDF: 49.0/52

asym_sam_1526_avg_rms vs Slug



Right In: 672.991+/-0.136 χ^2/NDF: 3259499.2/24

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

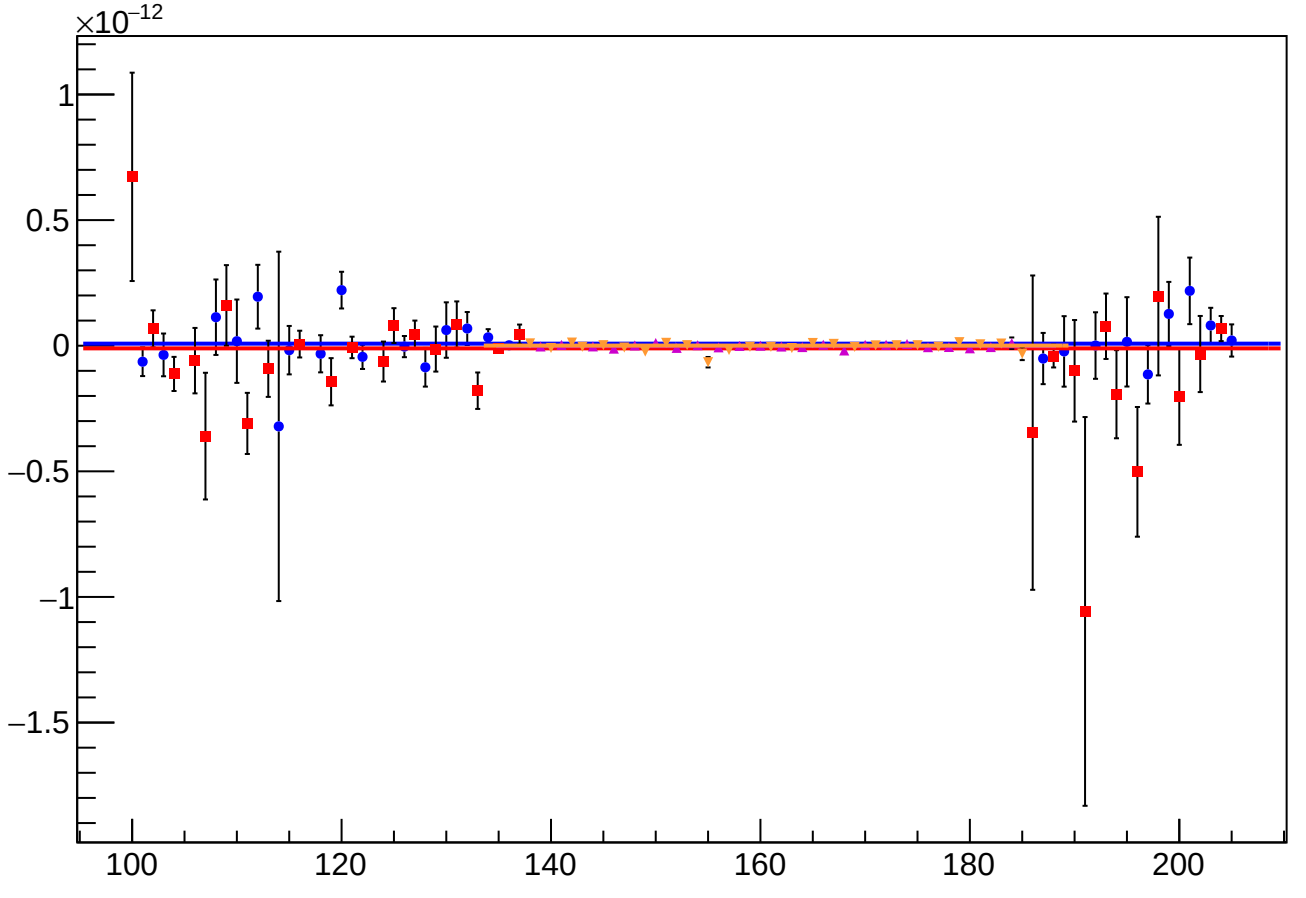
Right Out: 746.777+/-0.144 χ^2/NDF: 3579514.6/29

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 290.364+/-0.040 χ^2/NDF: 13572404.3/49

All: 291.419+/-0.029 χ^2/NDF: 29458821.4/10

- sign 292.523+/-0.041 χ^2/NDF: 15884991.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

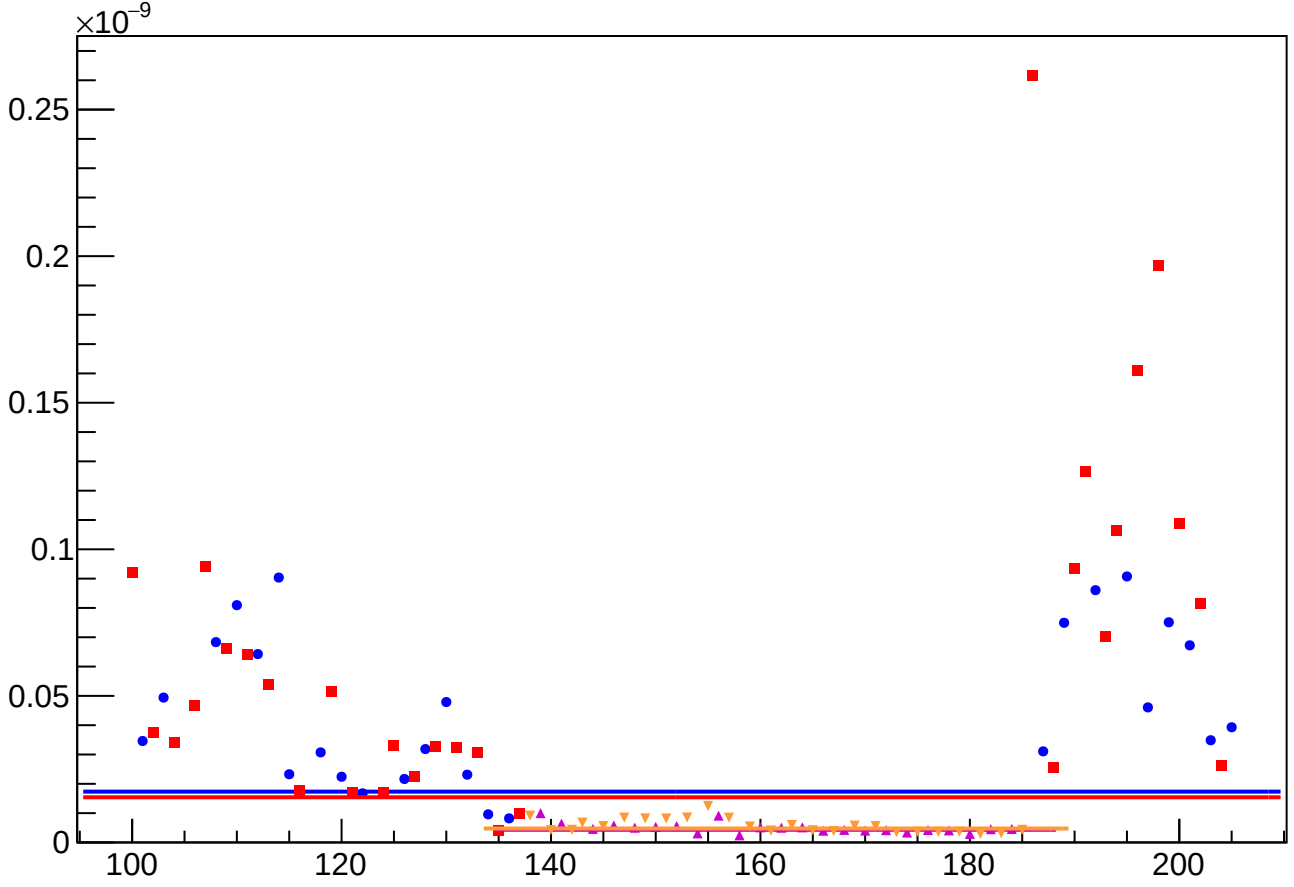
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/29

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/49

All: -0.000+/-0.000 χ^2/NDF: 108.9/102

- sign -0.000+/-0.000 χ^2/NDF: 56.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 5096057.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

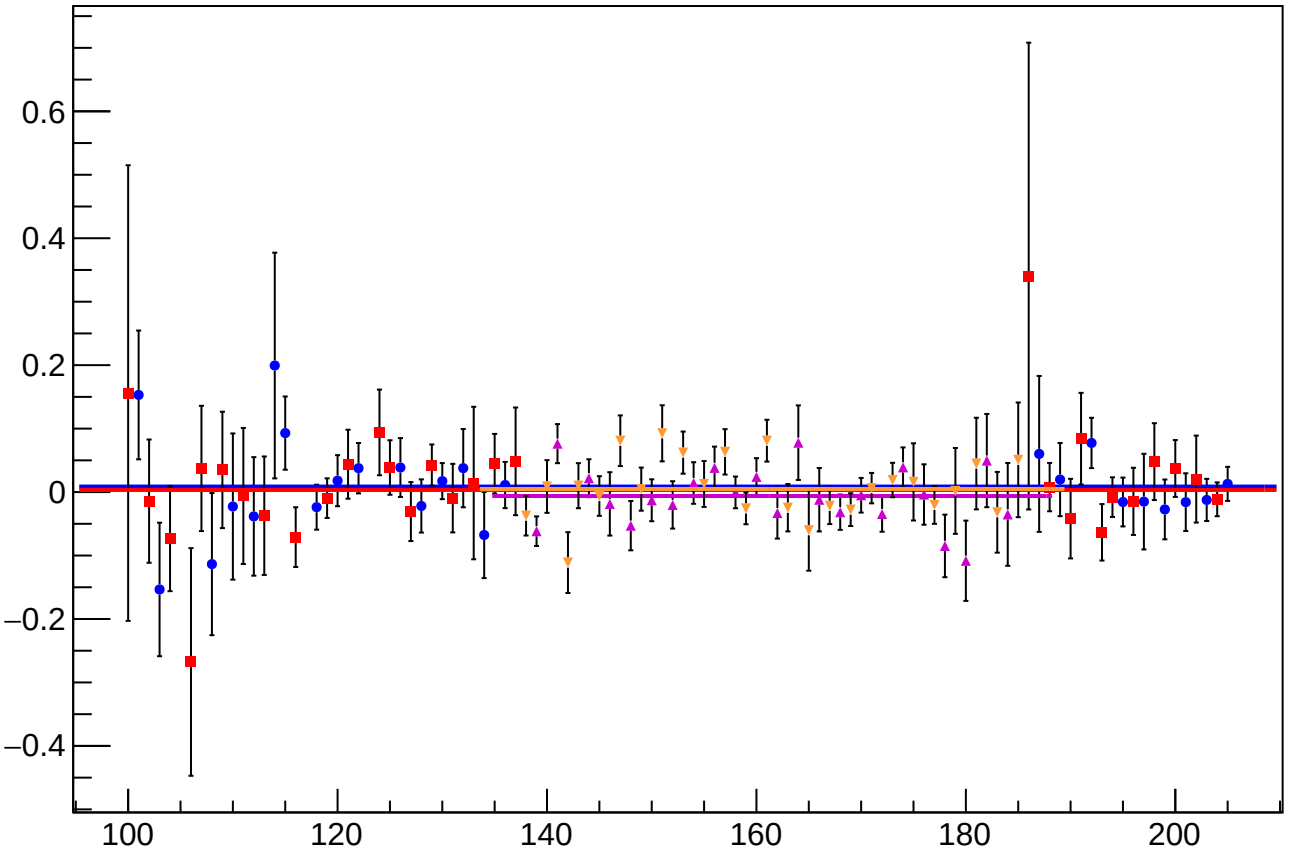
Right Out: 0.000+/-0.000 χ^2/NDF: 7530668.5/29

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9731450.0/49

All: 0.000+/-0.000 χ^2/NDF: 20719689.6/102

- sign 0.000+/-0.000 χ^2/NDF: 10914402.3/52



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.009 χ^2/NDF: 19.2/29

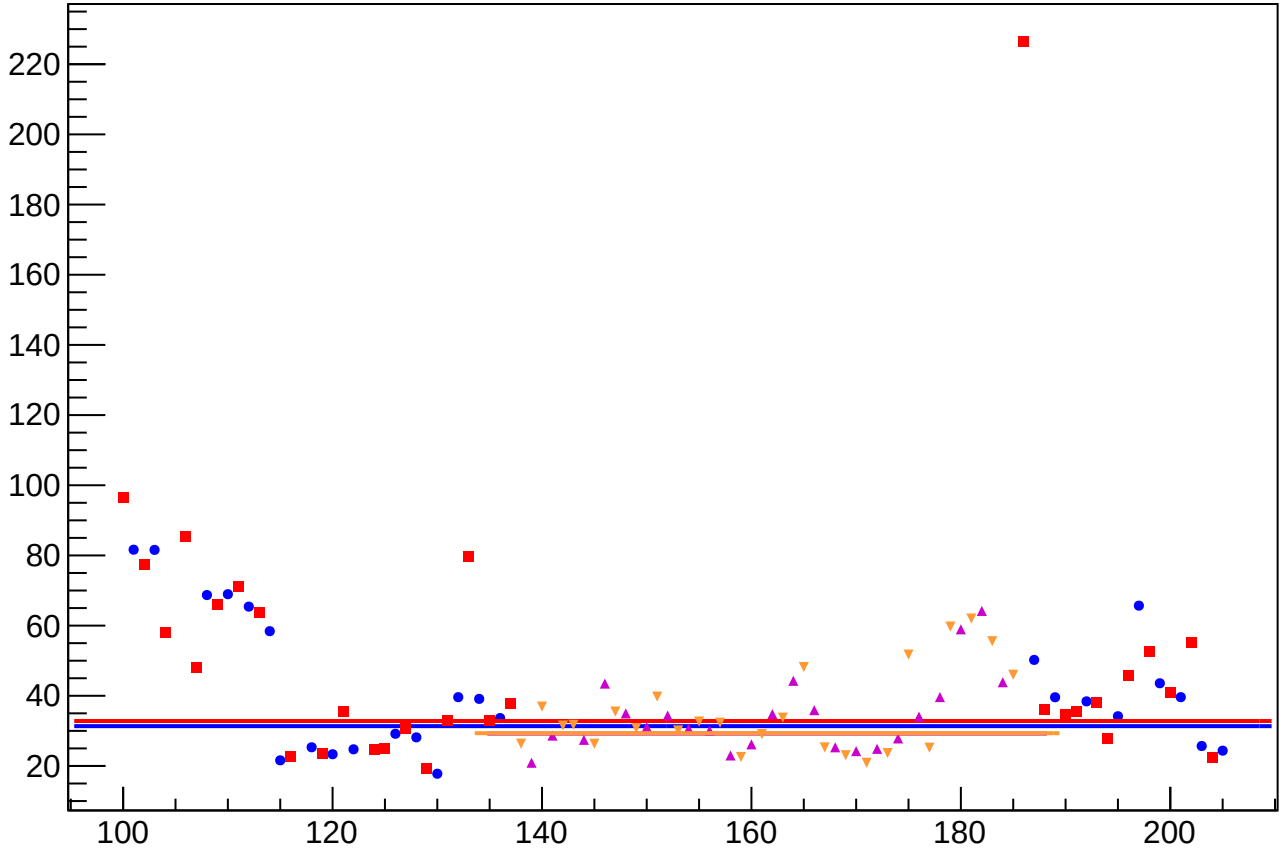
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/102

- sign -0.003+/-0.006 χ^2/NDF: 50.8/52

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

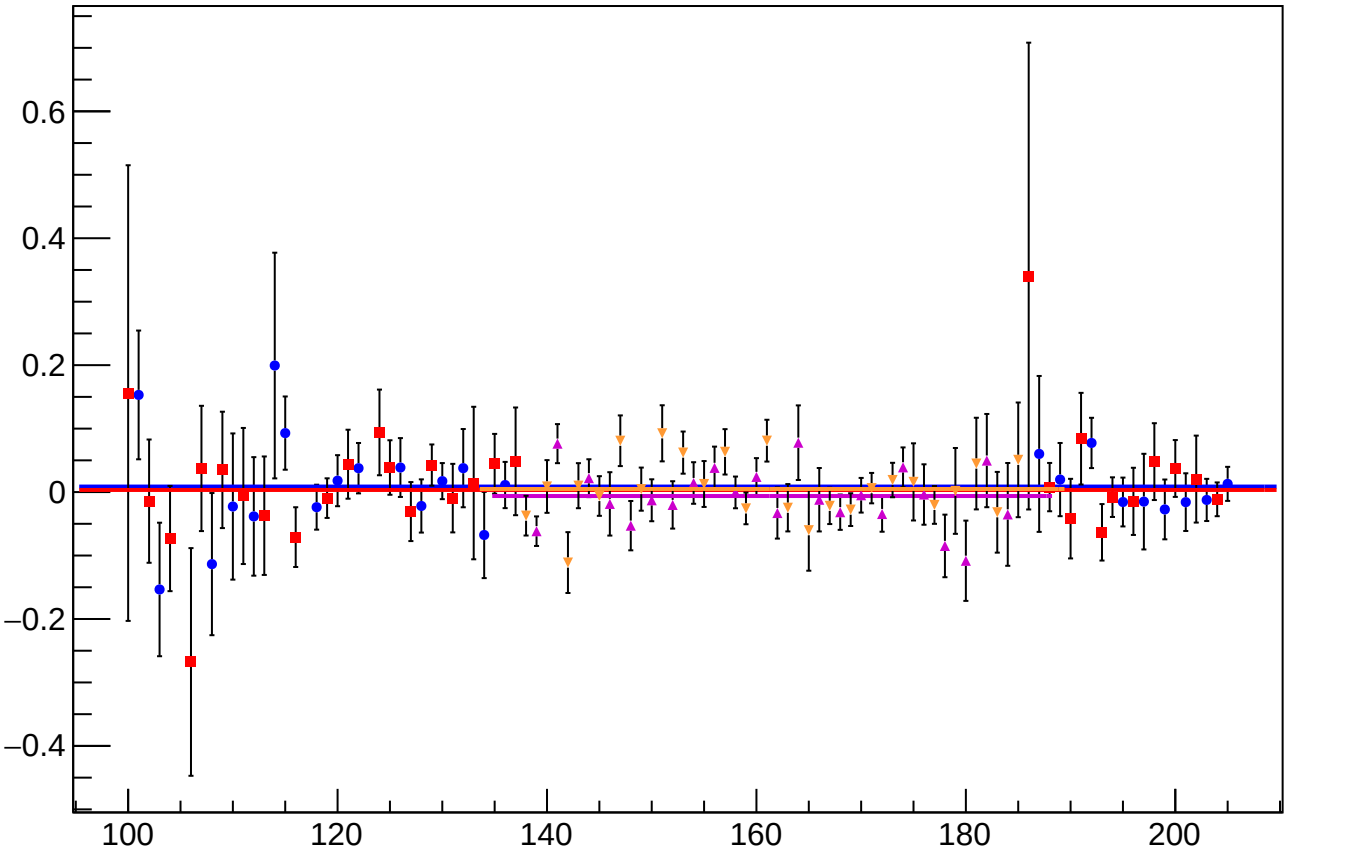
Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203306.3/49

All: 30.309+/-0.003 χ^2/NDF: 12734231.4/102

- sign 30.554+/-0.004 χ^2/NDF: 6523808.0/52



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.003+/-0.009 χ^2/NDF: 19.2/29

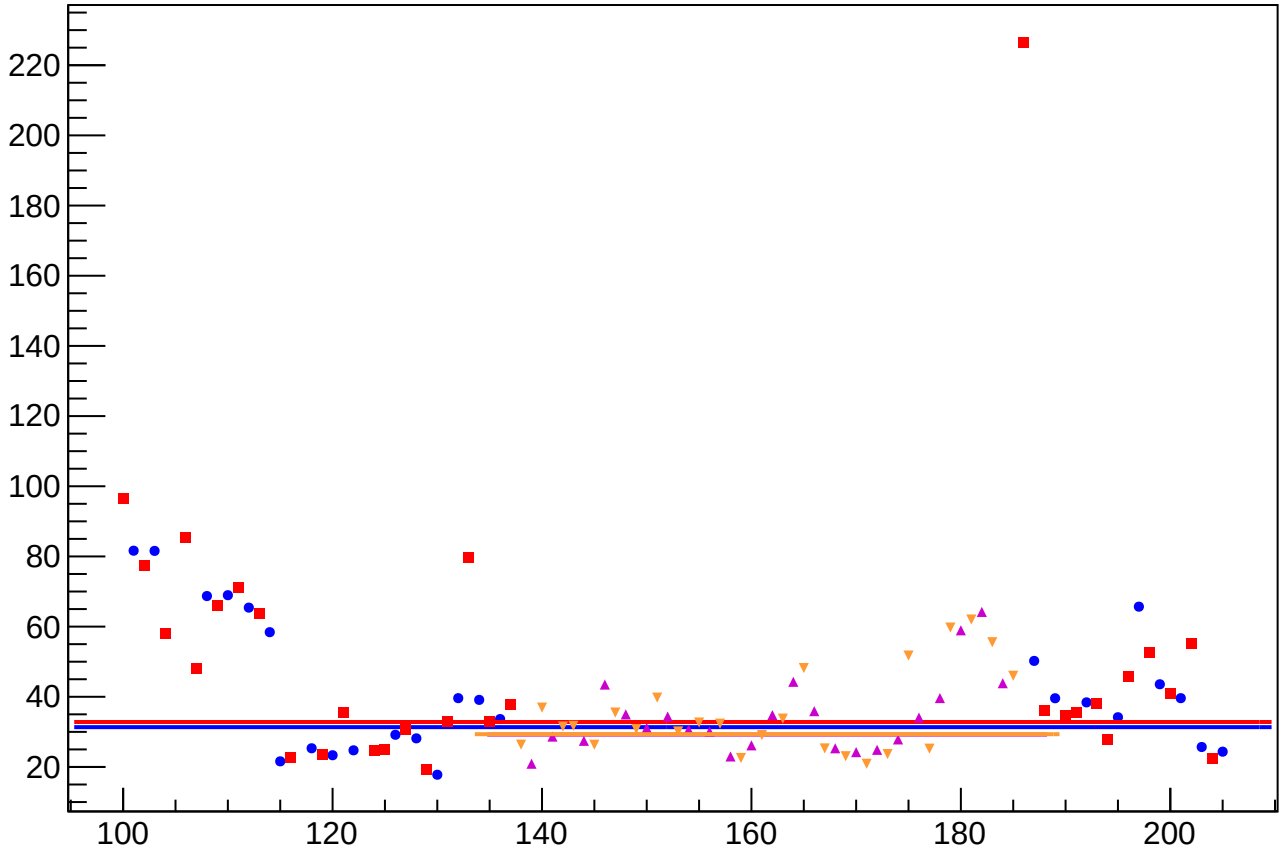
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/102

- sign -0.003+/-0.006 χ^2/NDF: 50.8/52

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

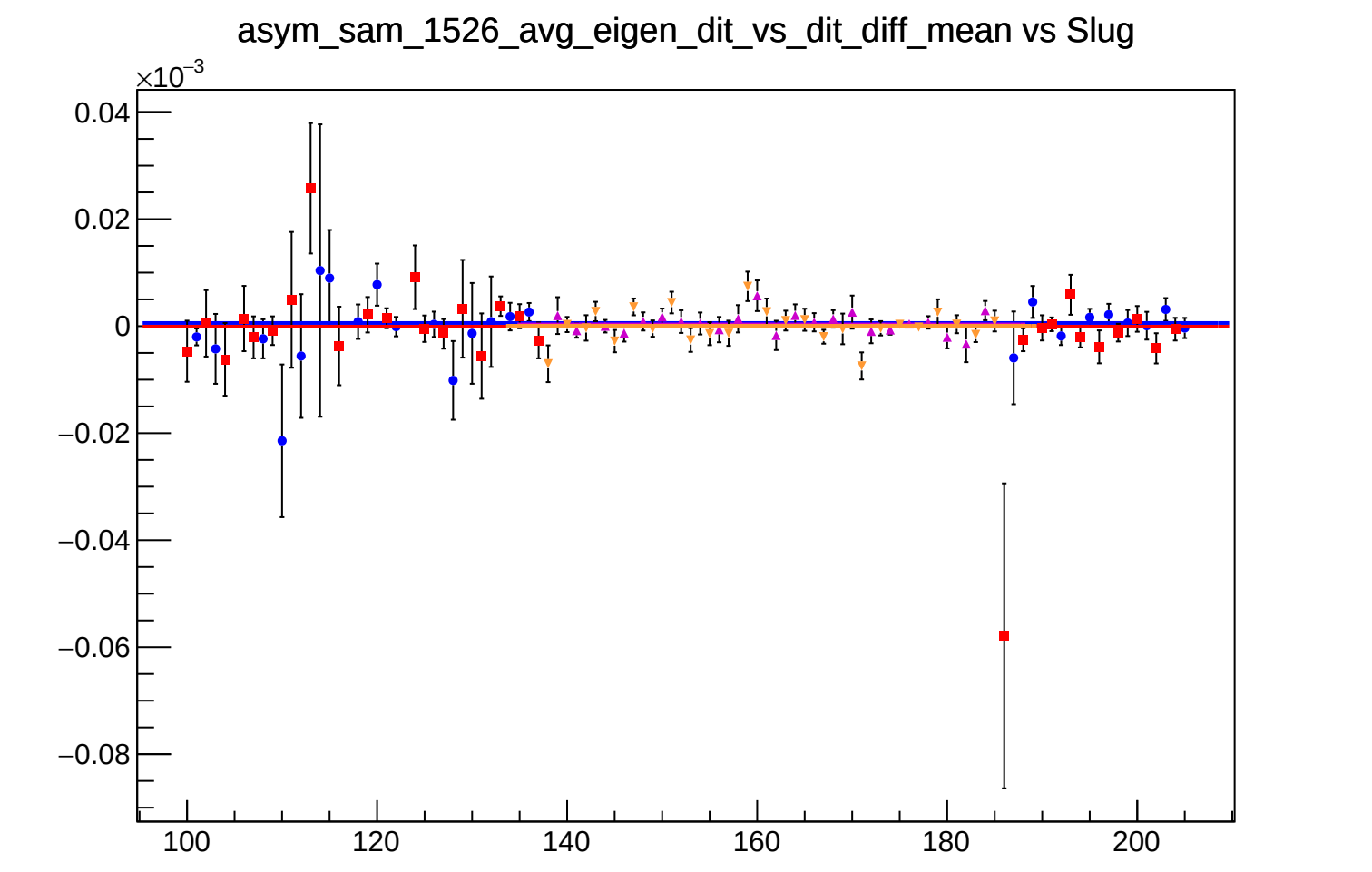
Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203306.3/49

All: 30.309+/-0.003 χ^2/NDF: 12734231.4/102

- sign 30.554+/-0.004 χ^2/NDF: 6523808.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

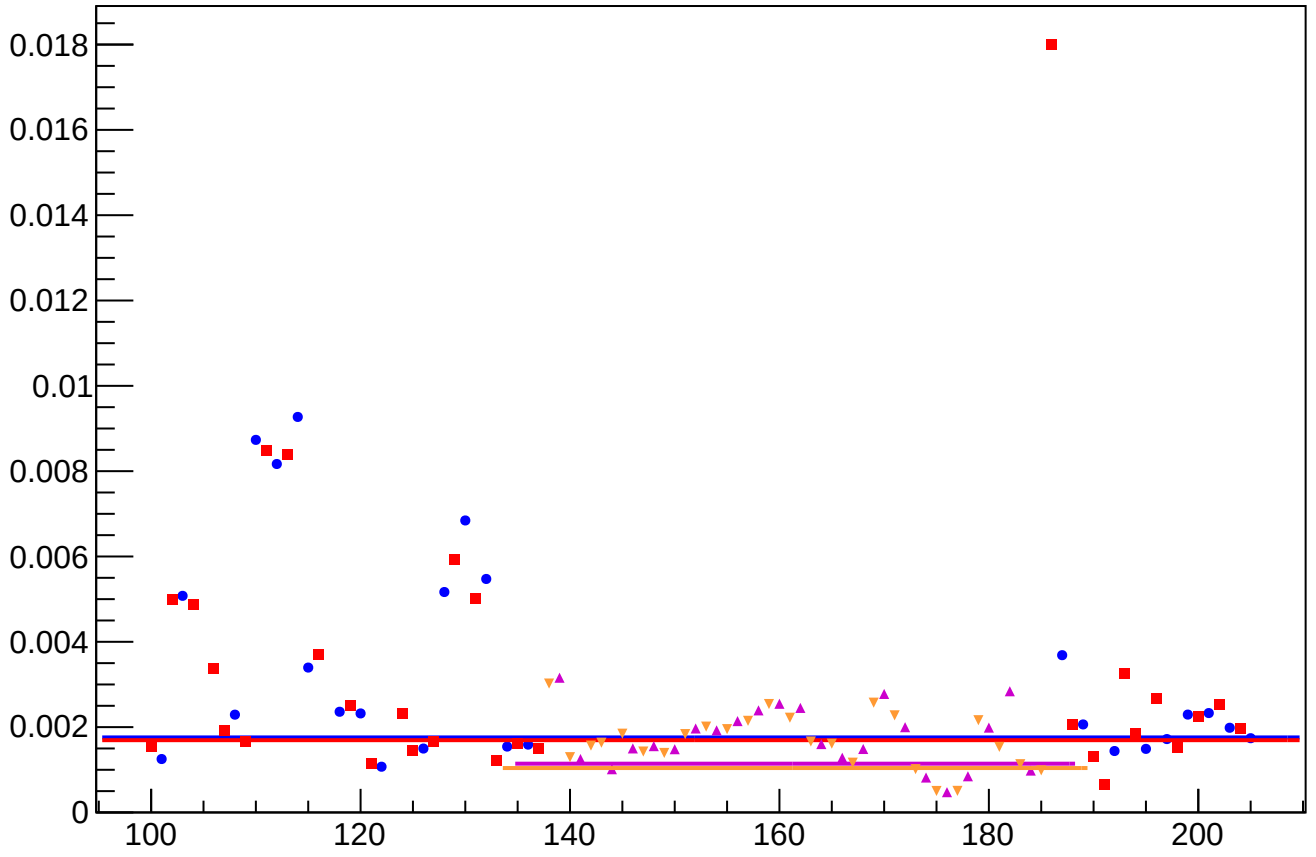
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/29

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.5/49

All: 0.000+/-0.000 χ^2/NDF: 112.9/102

- sign 0.000+/-0.000 χ^2/NDF: 46.4/52



Right In: 0.002+/-0.000 χ^2/NDF: 4400111.7/24

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

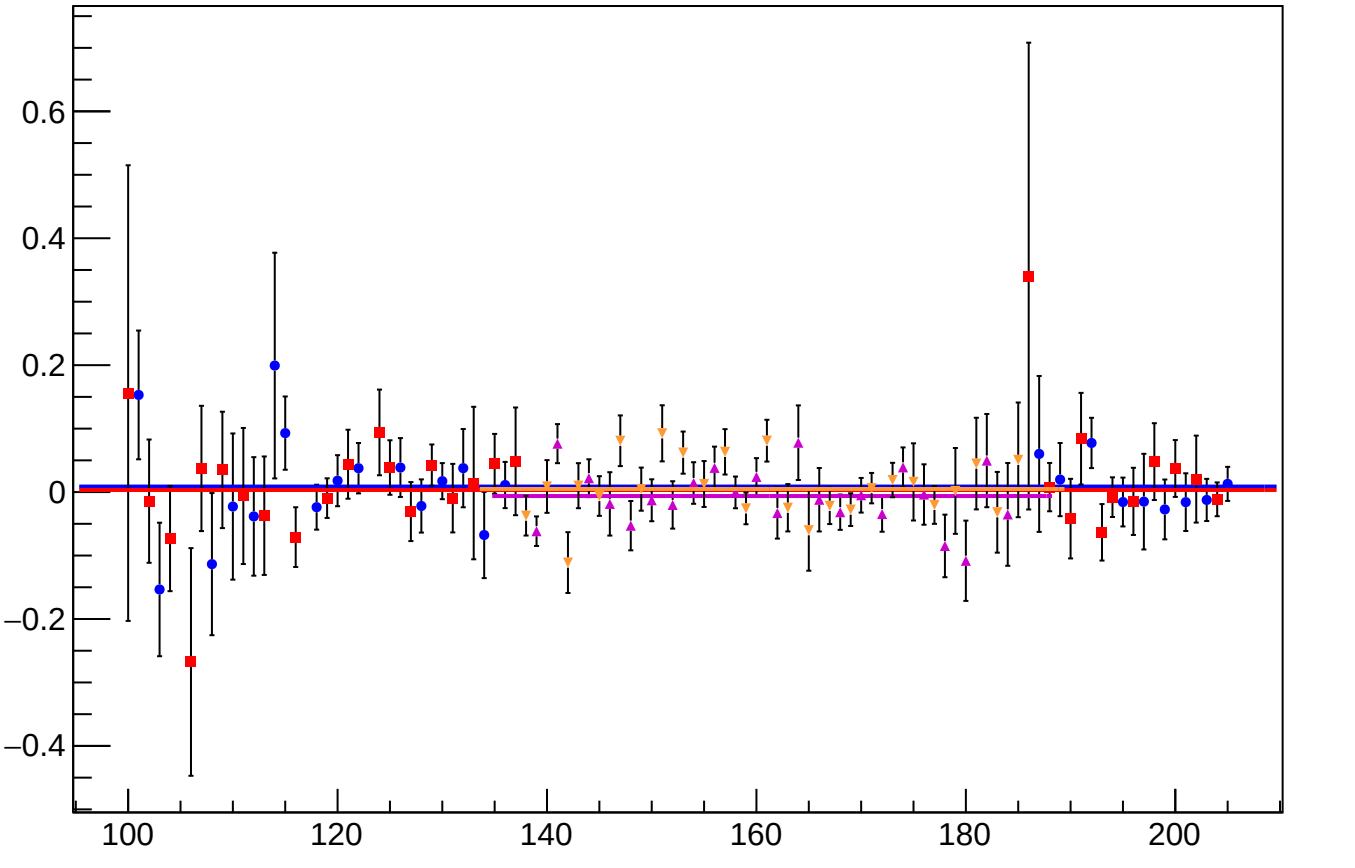
Right Out: 0.002+/-0.000 χ^2/NDF: 6769413.3/29

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17150858.1/49

All: 0.001+/-0.000 χ^2/NDF: 34107647.3/102

- sign 0.001+/-0.000 χ^2/NDF: 16812583.0/52



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

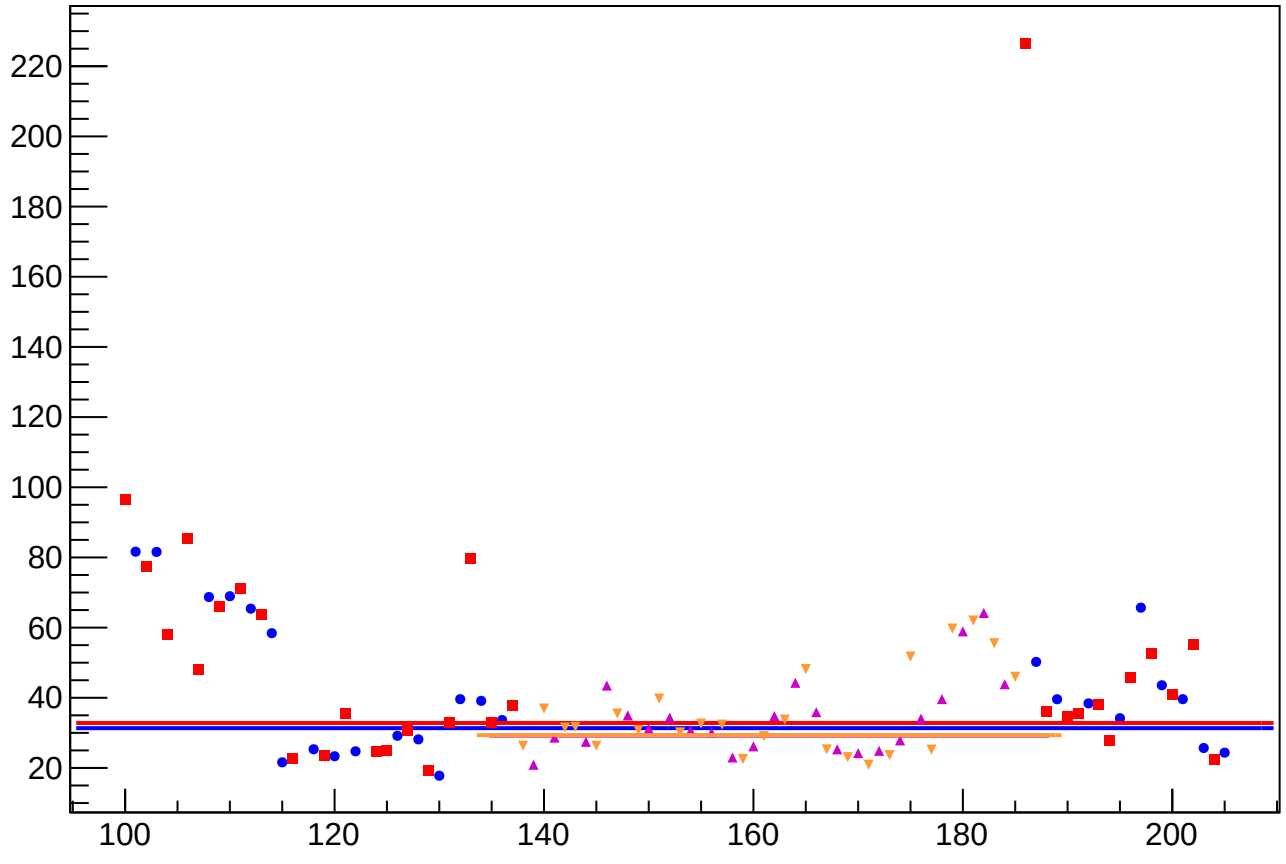
Right Out: 0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/102

- sign -0.003+/-0.006 χ^2/NDF: 50.8/52



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

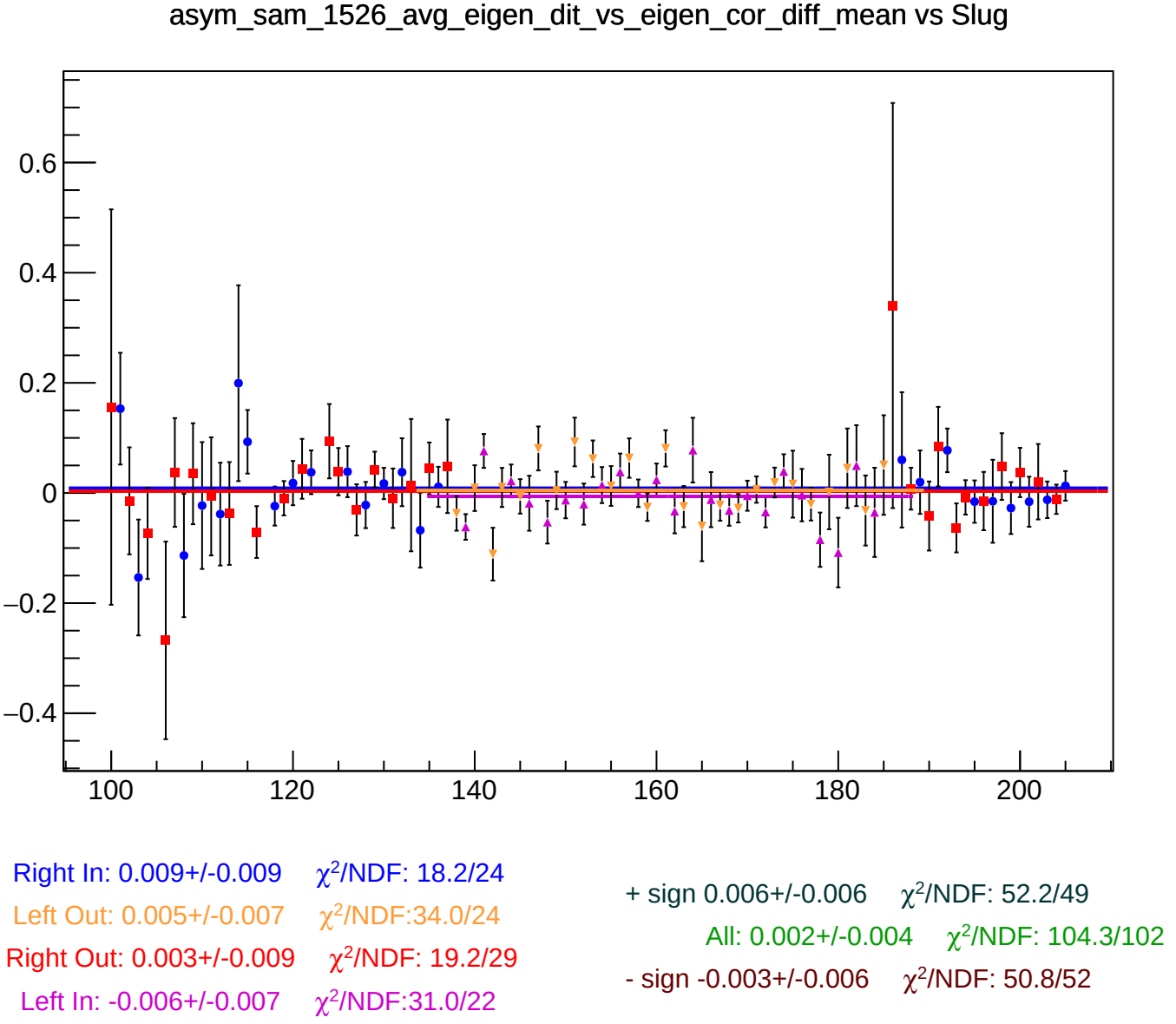
Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

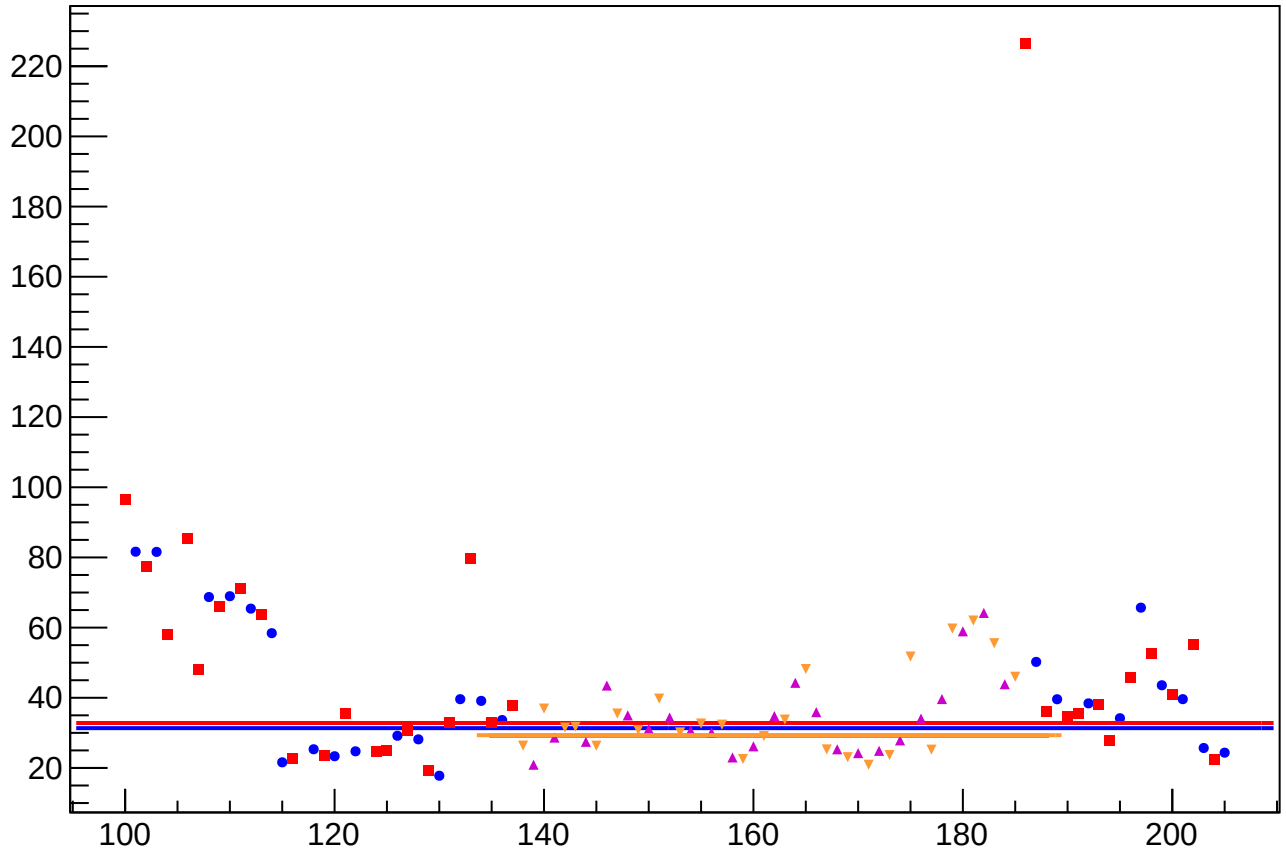
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203565.6/49

All: 30.309+/-0.003 χ^2/NDF: 12734563.6/102

- sign 30.554+/-0.004 χ^2/NDF: 6523874.5/52


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
120
140
160
180
200
Right In: 0.009+/-0.009 χ²/NDF: 18.2/24
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.003+/-0.009 χ²/NDF: 19.2/29
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.006+/-0.006 χ²/NDF: 52.2/49
All: 0.002+/-0.004 χ²/NDF: 104.3/102
- sign -0.003+/-0.006 χ²/NDF: 50.8/52



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

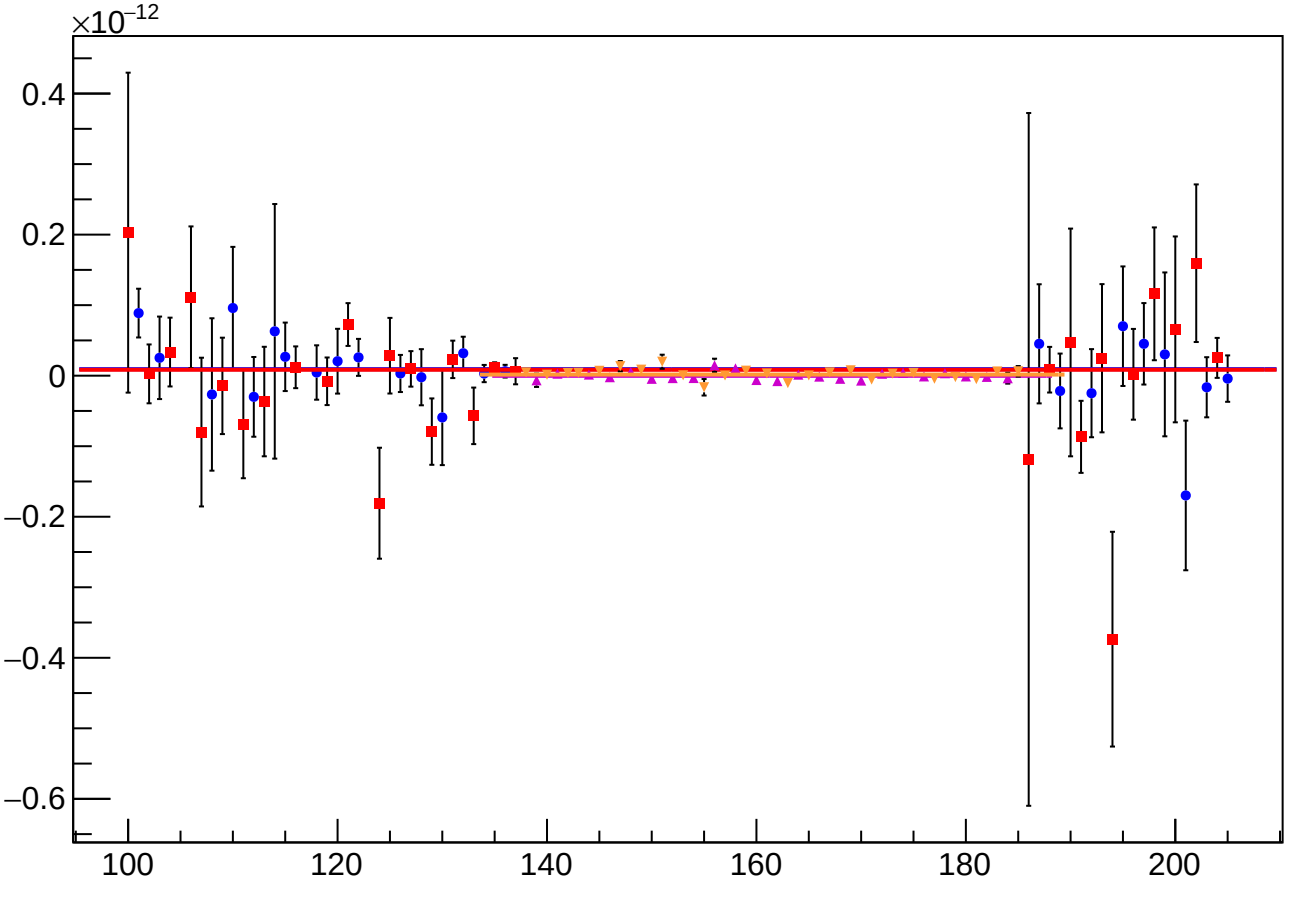
Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203565.6/49

All: 30.309+/-0.003 χ^2/NDF: 12734563.6/102

- sign 30.554+/-0.004 χ^2/NDF: 6523874.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

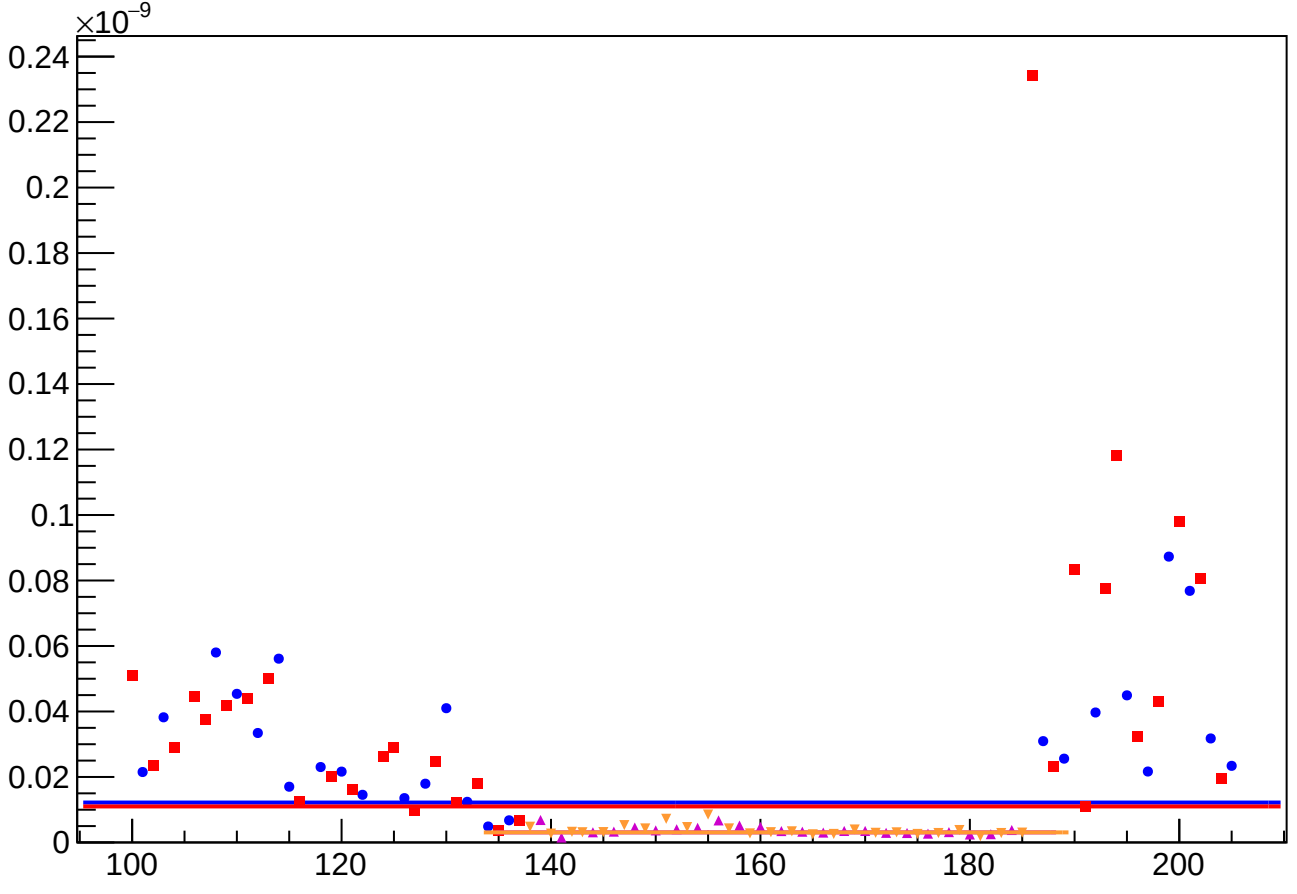
Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/29

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/49

All: 0.000+/-0.000 χ^2/NDF: 109.6/102

- sign 0.000+/-0.000 χ^2/NDF: 55.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 6922221.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9901809.4/29

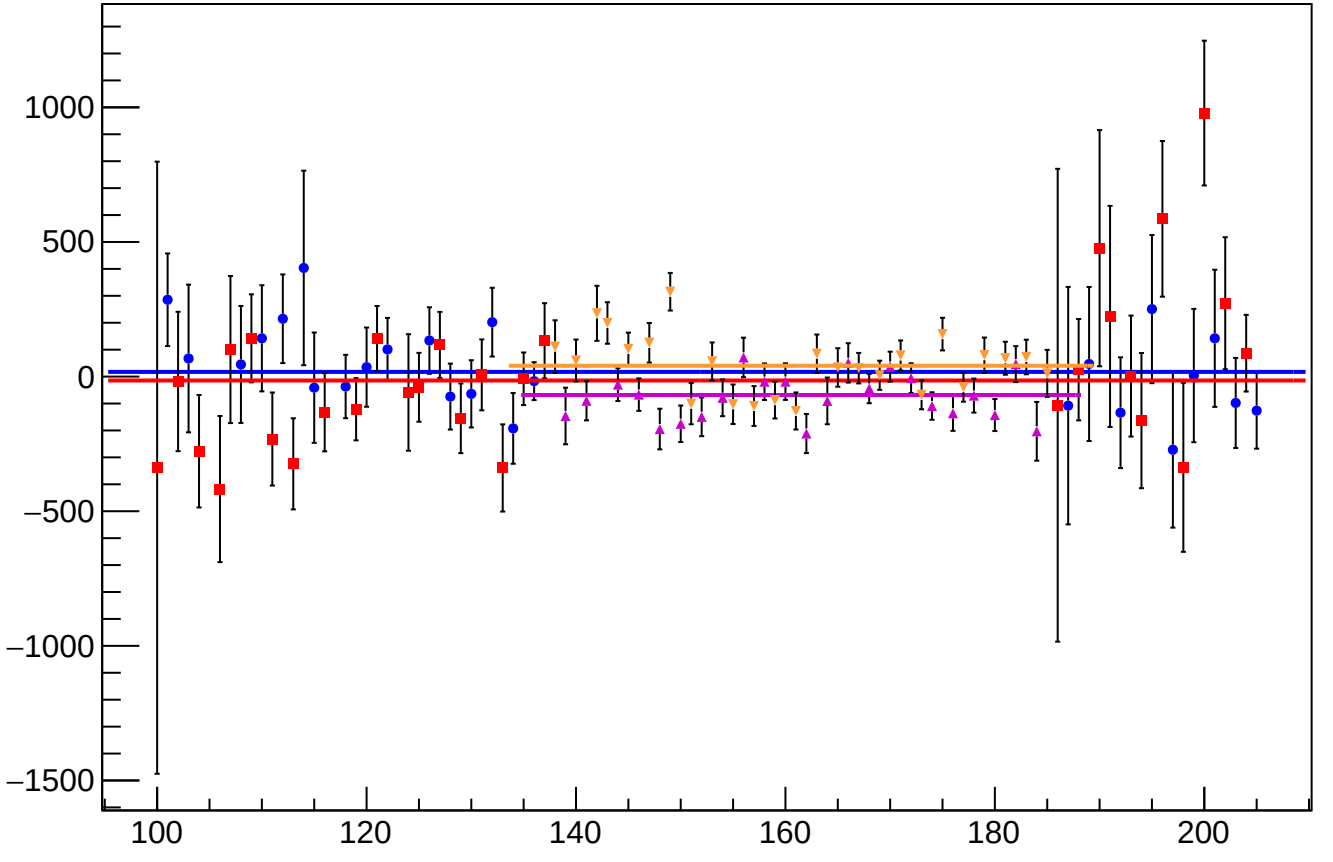
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13907462.0/49

All: 0.000+/-0.000 χ^2/NDF: 29832990.3/102

- sign 0.000+/-0.000 χ^2/NDF: 15925462.8/52

reg_asym_sam_3726_avg_mean vs Slug



Right In: 17.483+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -14.456+/-31.599 χ^2/NDF: 43.6/29

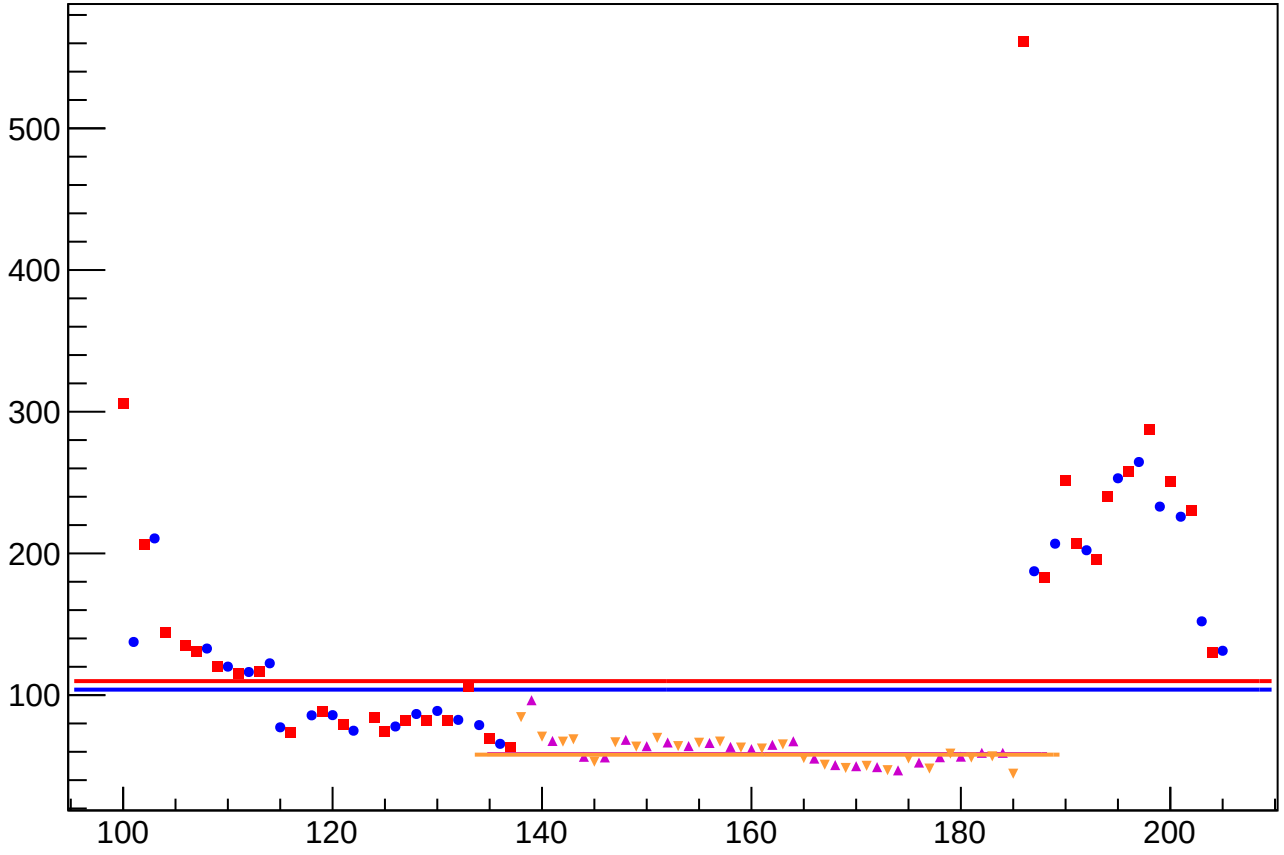
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 36.701+/-12.288 χ^2/NDF: 77.0/49

All: -9.893+/-8.830 χ^2/NDF: 184.5/102

- sign -59.643+/-12.697 χ^2/NDF: 77.8/52

reg_asym_sam_3726_avg_rms vs Slug



Right In: 103.876+/-0.022 χ^2/NDF: 4793232.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

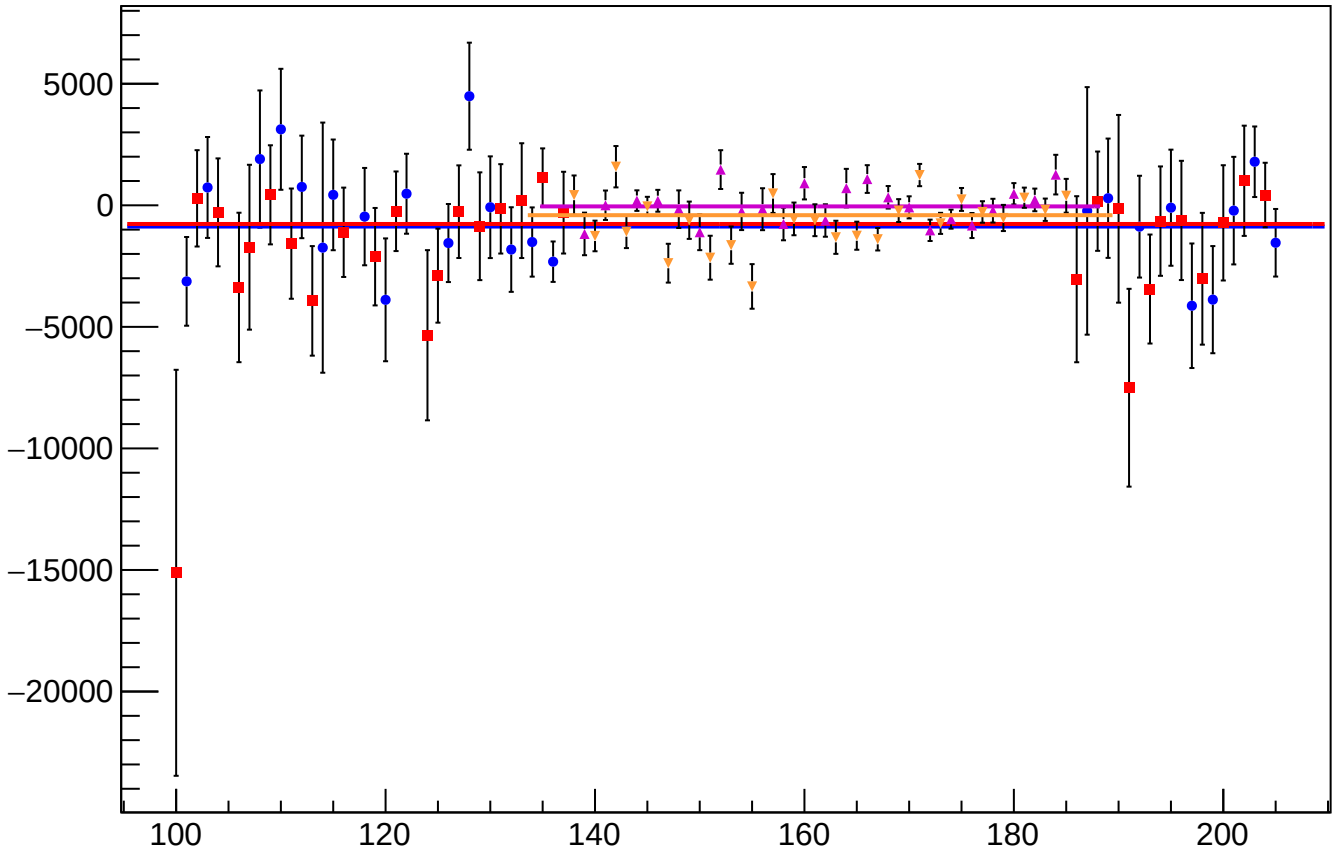
Right Out: 109.883+/-0.022 χ^2/NDF: 6004735.5/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 65.305+/-0.009 χ^2/NDF: 9334976.8/49

All: 65.984+/-0.006 χ^2/NDF: 20540052.7/102

- sign 66.710+/-0.009 χ^2/NDF: 11192416.6/52



Right In: -873.249+/-369.926 χ^2/NDF: 26.1/24

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -768.061+/-387.473 χ^2/NDF: 20.0/29

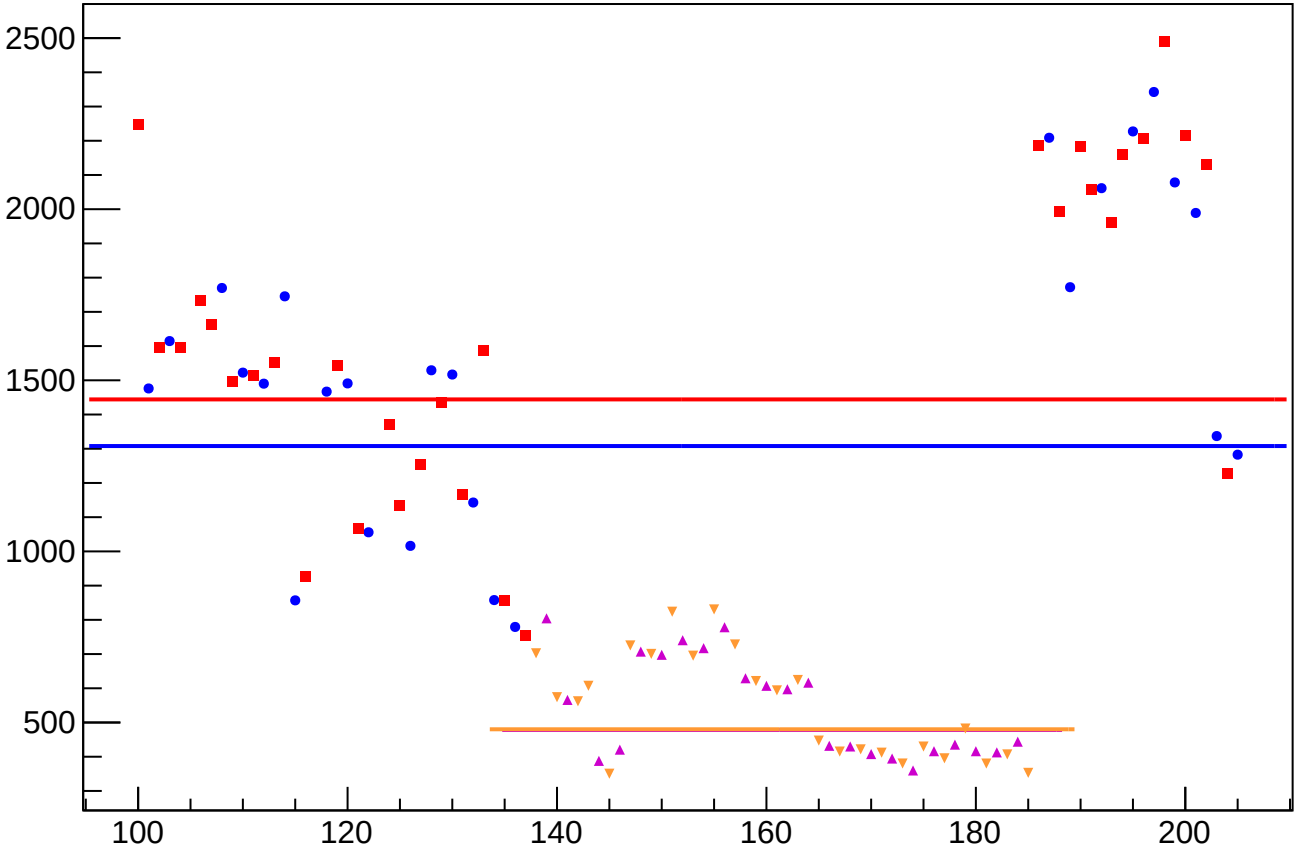
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -446.474+/-108.479 χ^2/NDF: 90.7/49

All: -279.095+/-77.555 χ^2/NDF: 149.8/102

- sign -104.099+/-110.920 χ^2/NDF: 54.2/52

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1307.886+/-0.262 χ^2/NDF: 2891505.5/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1444.163+/-0.274 χ^2/NDF: 2889845.1/29

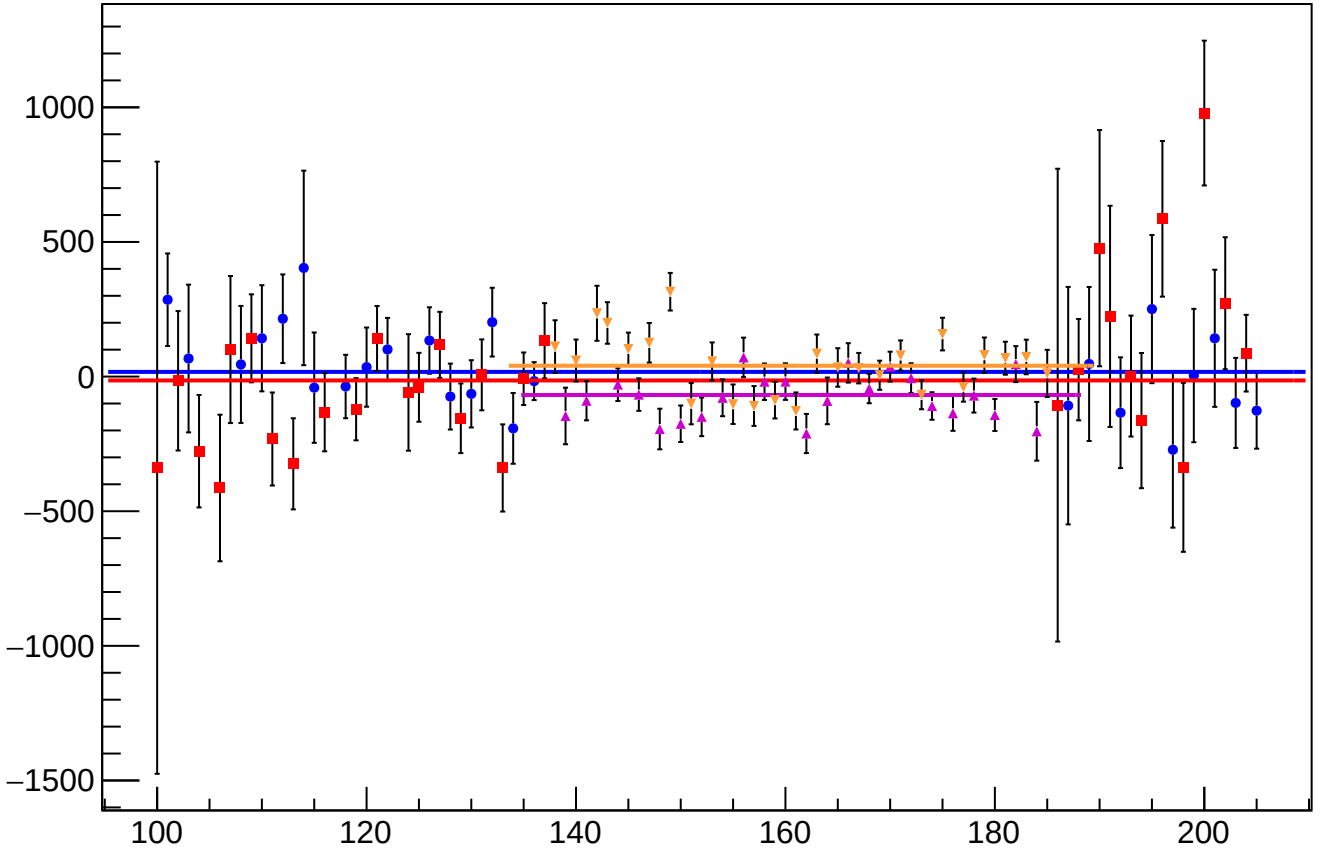
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 551.340+/-0.077 χ^2/NDF: 14625804.8/49

All: 554.230+/-0.055 χ^2/NDF: 31148124.4/10

- sign 557.252+/-0.078 χ^2/NDF: 16519416.0/52

cor_asym_sam_3726_avg_mean vs Slug



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -14.331+/-31.600 χ^2/NDF: 43.5/29

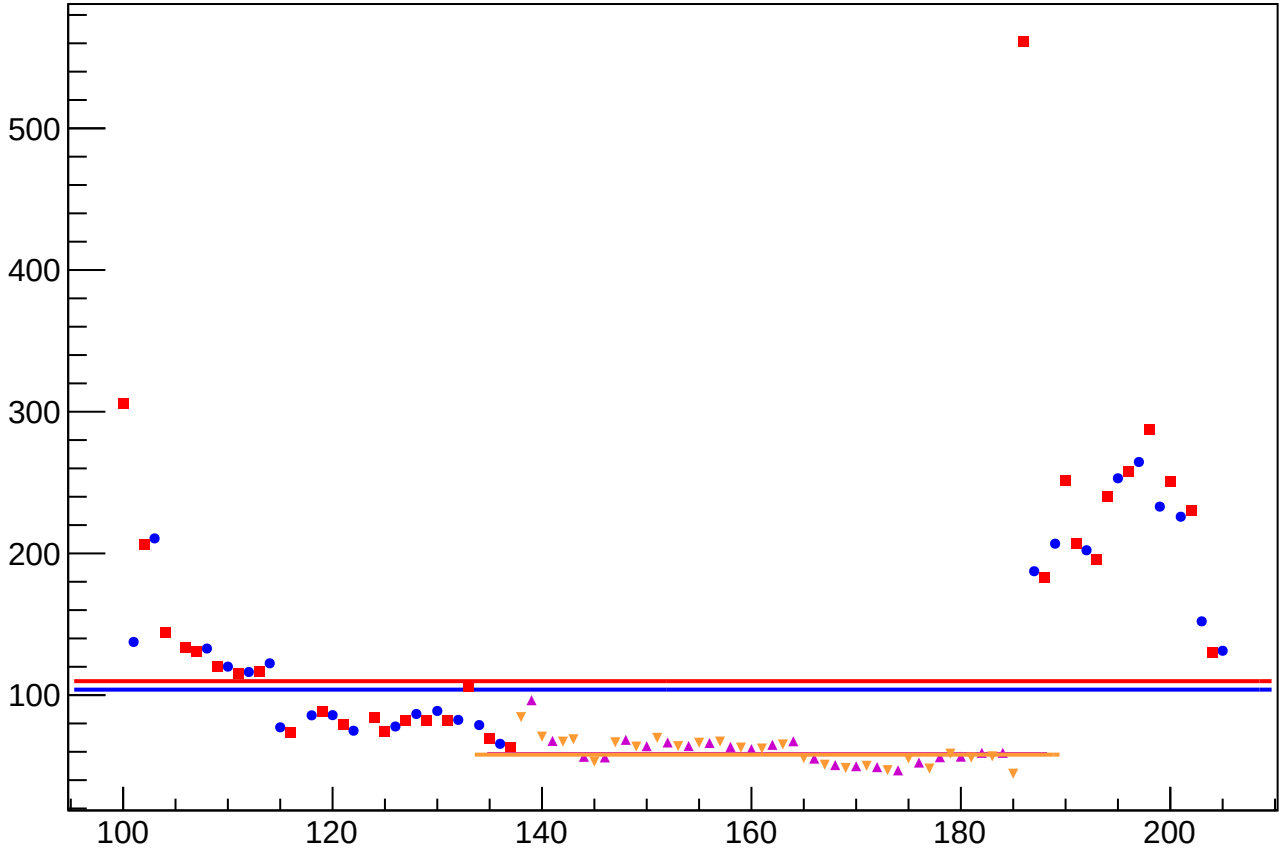
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 36.701+/-12.288 χ^2/NDF: 77.0/49

All: -9.883+/-8.830 χ^2/NDF: 184.5/102

- sign -59.622+/-12.698 χ^2/NDF: 77.7/52

cor_asym_sam_3726_avg_rms vs Slug



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

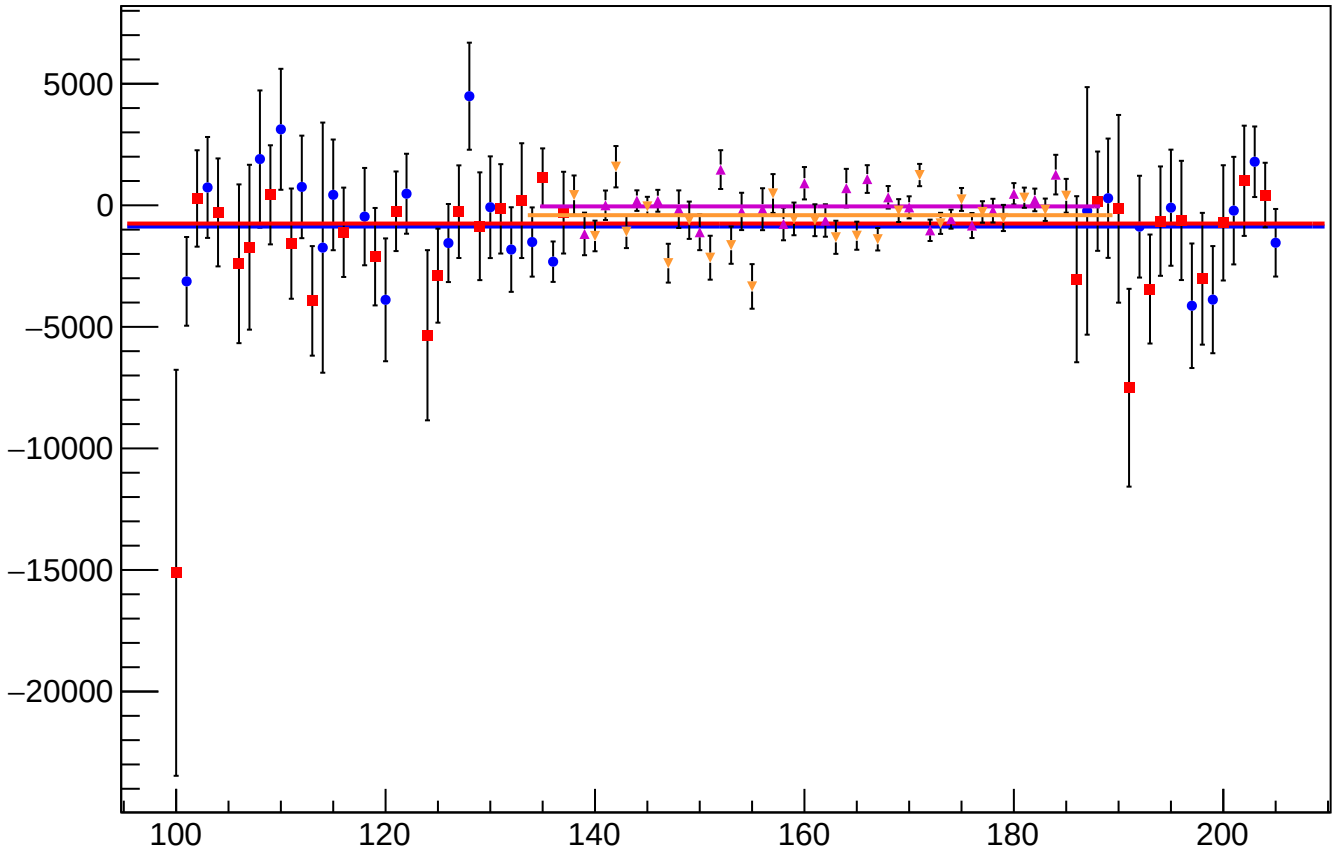
Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 65.305+/-0.009 χ^2/NDF: 9334979.0/49

All: 65.982+/-0.006 χ^2/NDF: 20532294.5/102

- sign 66.705+/-0.009 χ^2/NDF: 11184751.6/52



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -749.882+/-387.835 χ^2/NDF: 19.5/29

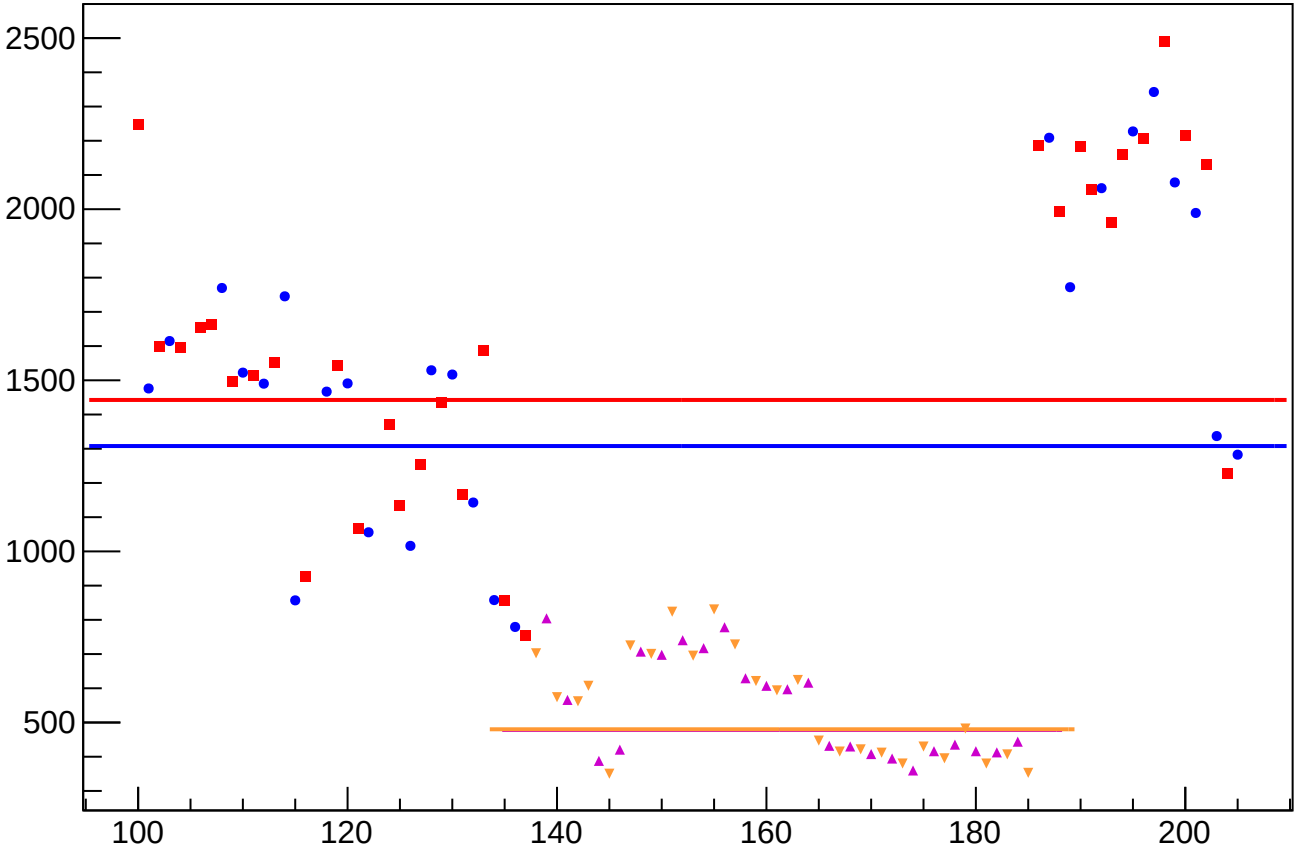
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -446.470+/-108.479 χ^2/NDF: 90.7/49

All: -278.329+/-77.558 χ^2/NDF: 149.2/102

- sign -102.509+/-110.929 χ^2/NDF: 53.6/52

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

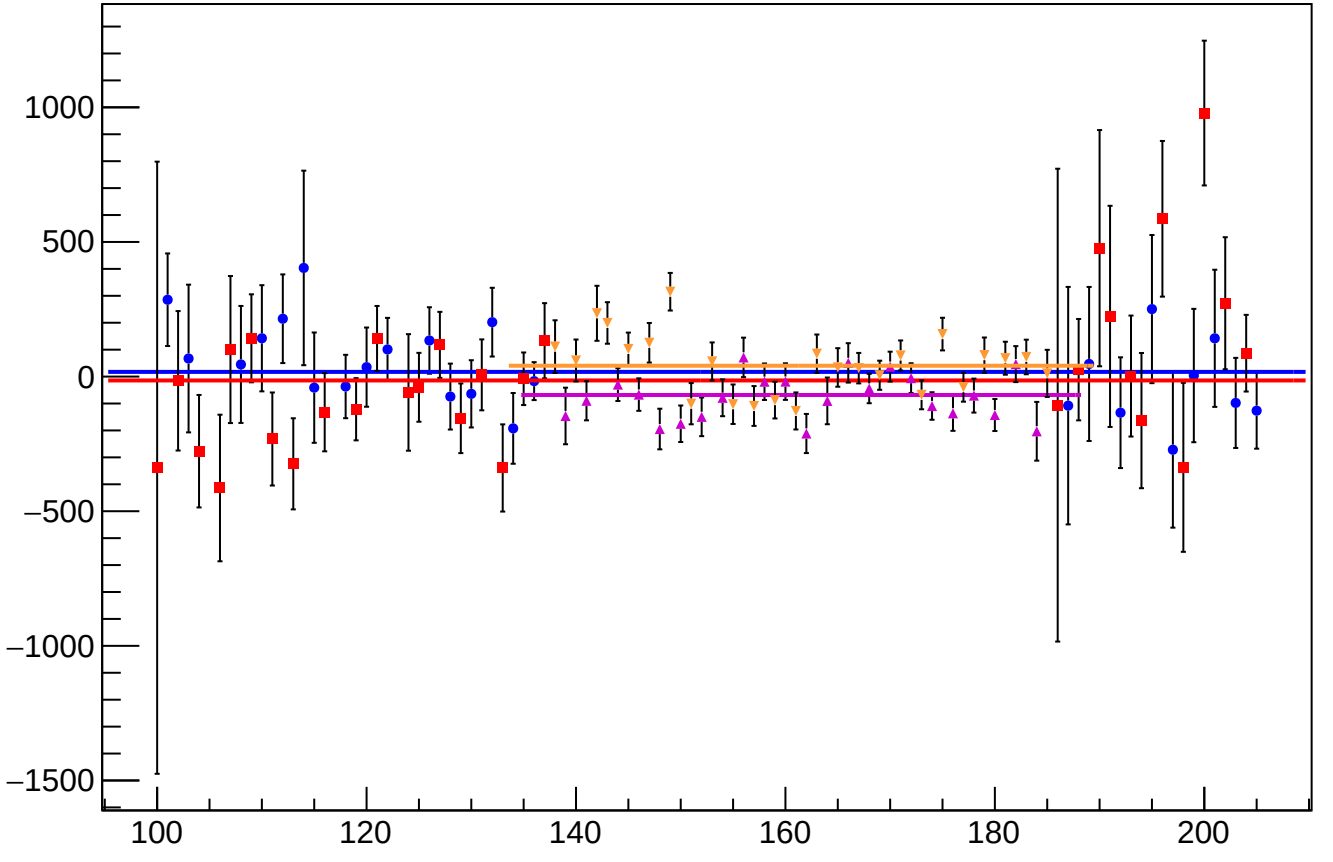
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 551.340+/-0.077 χ^2/NDF: 14625833.7/49

All: 554.100+/-0.055 χ^2/NDF: 31081684.9/10

- sign 556.987+/-0.078 χ^2/NDF: 16453202.5/52

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -14.331+/-31.600 χ^2/NDF: 43.5/29

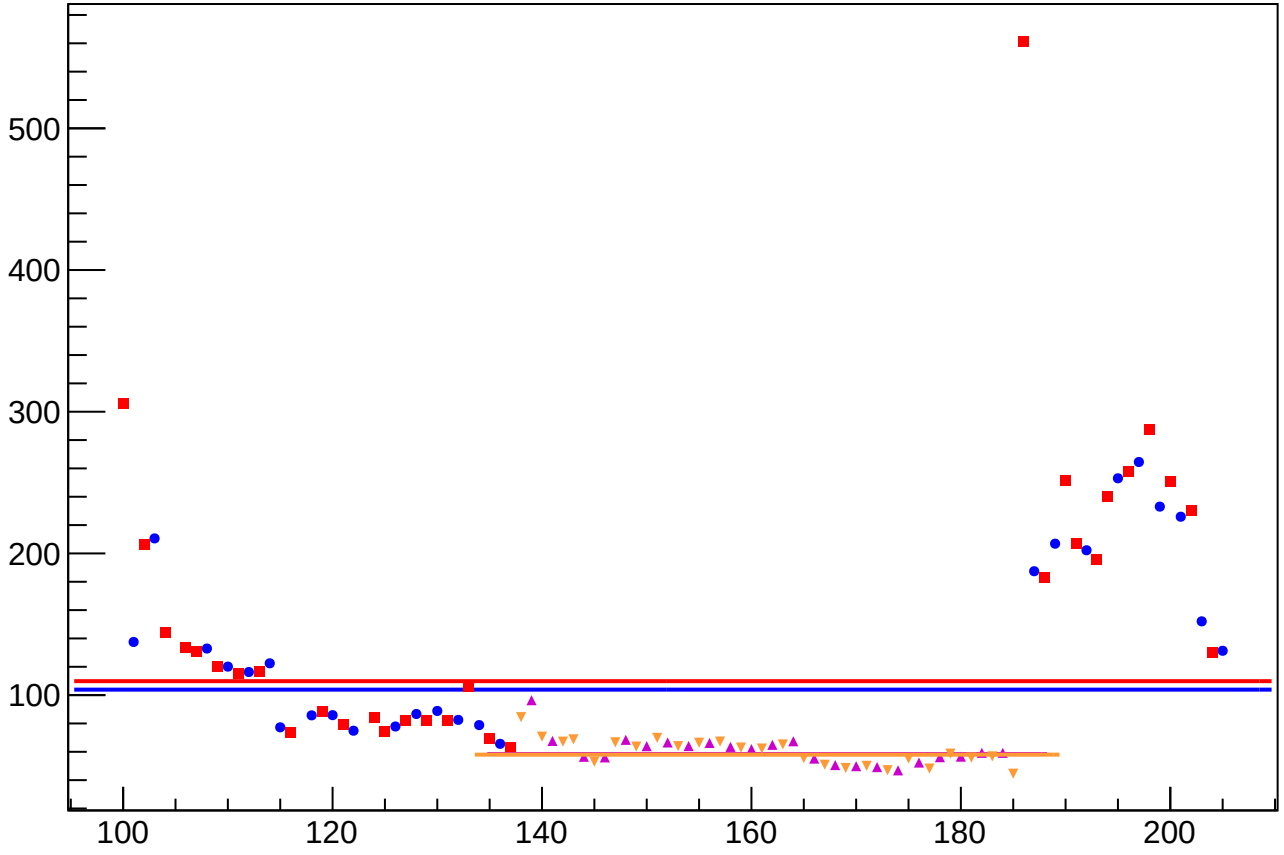
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 36.701+/-12.288 χ^2/NDF: 77.0/49

All: -9.883+/-8.830 χ^2/NDF: 184.5/102

- sign -59.622+/-12.698 χ^2/NDF: 77.7/52

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

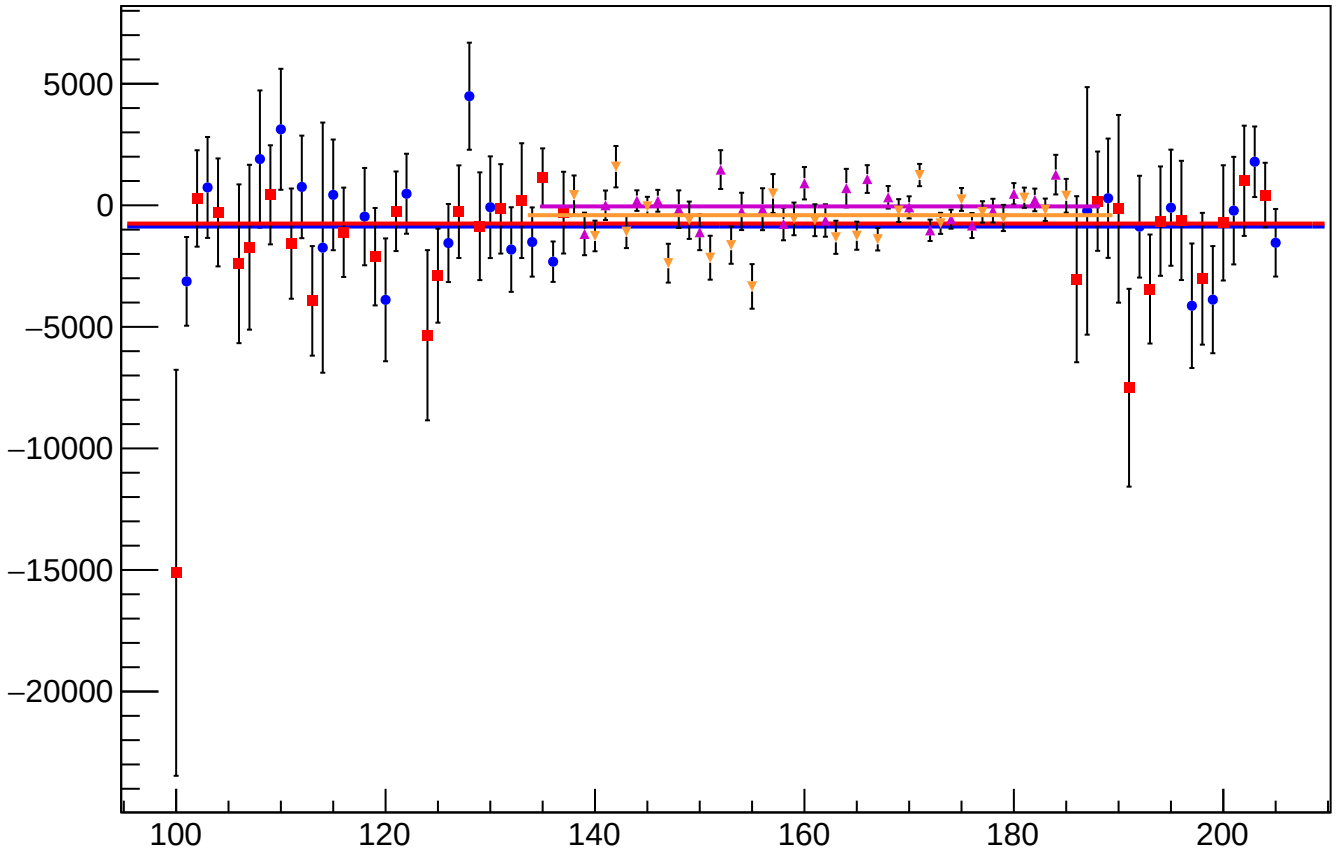
Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 65.305+/-0.009 χ^2/NDF: 9334979.0/49

All: 65.982+/-0.006 χ^2/NDF: 20532294.5/102

- sign 66.705+/-0.009 χ^2/NDF: 11184751.6/52



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

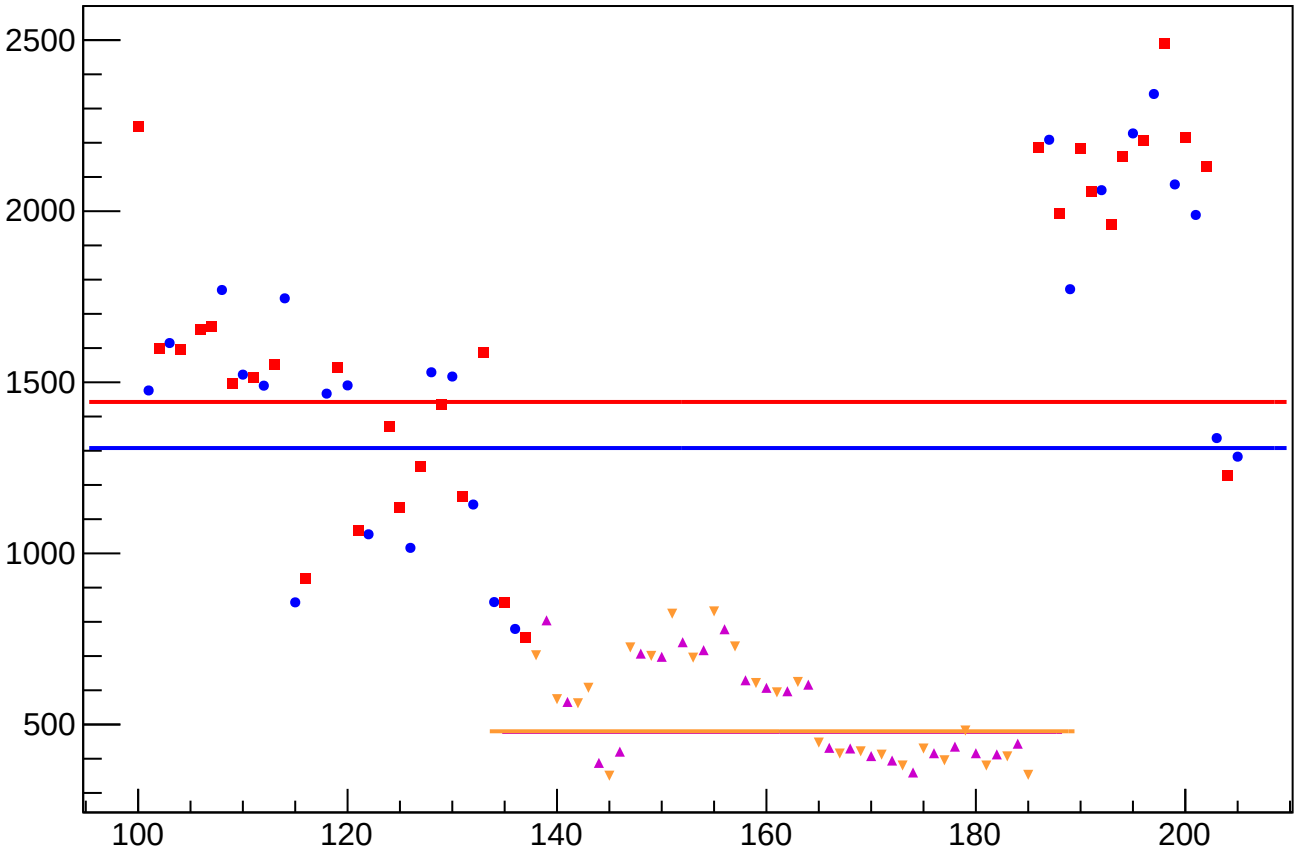
Right Out: -749.882+/-387.835 χ^2/NDF: 19.5/29

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -446.470+/-108.479 χ^2/NDF: 90.7/49

All: -278.329+/-77.558 χ^2/NDF: 149.2/102

- sign -102.509+/-110.929 χ^2/NDF: 53.6/52



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

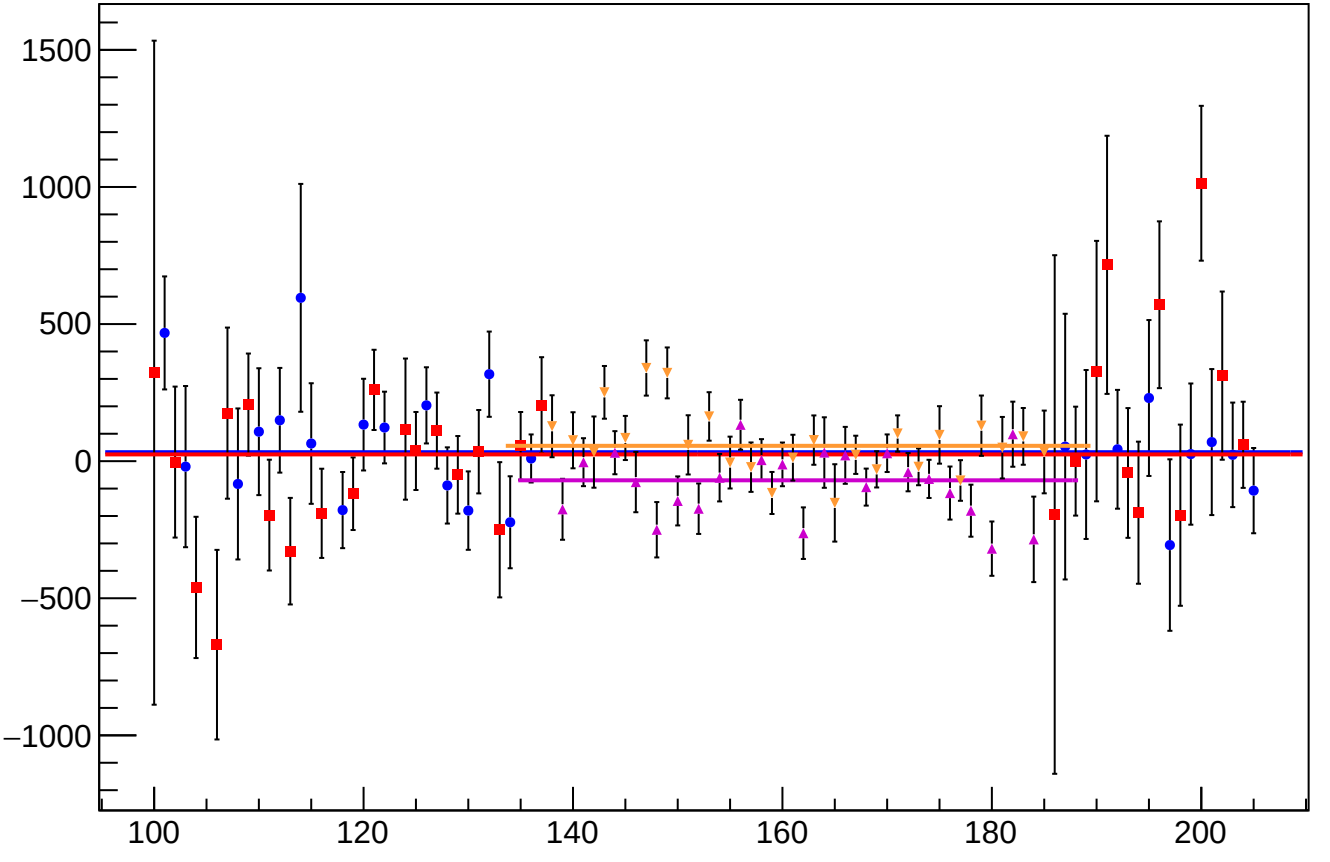
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 551.340+/-0.077 χ^2/NDF: 14625833.7/49

All: 554.100+/-0.055 χ^2/NDF: 31081684.9/10

- sign 556.987+/-0.078 χ^2/NDF: 16453202.5/52

dit_asym_sam_3726_avg_mean vs Slug



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 24.667+/-36.638 χ^2/NDF: 42.3/29

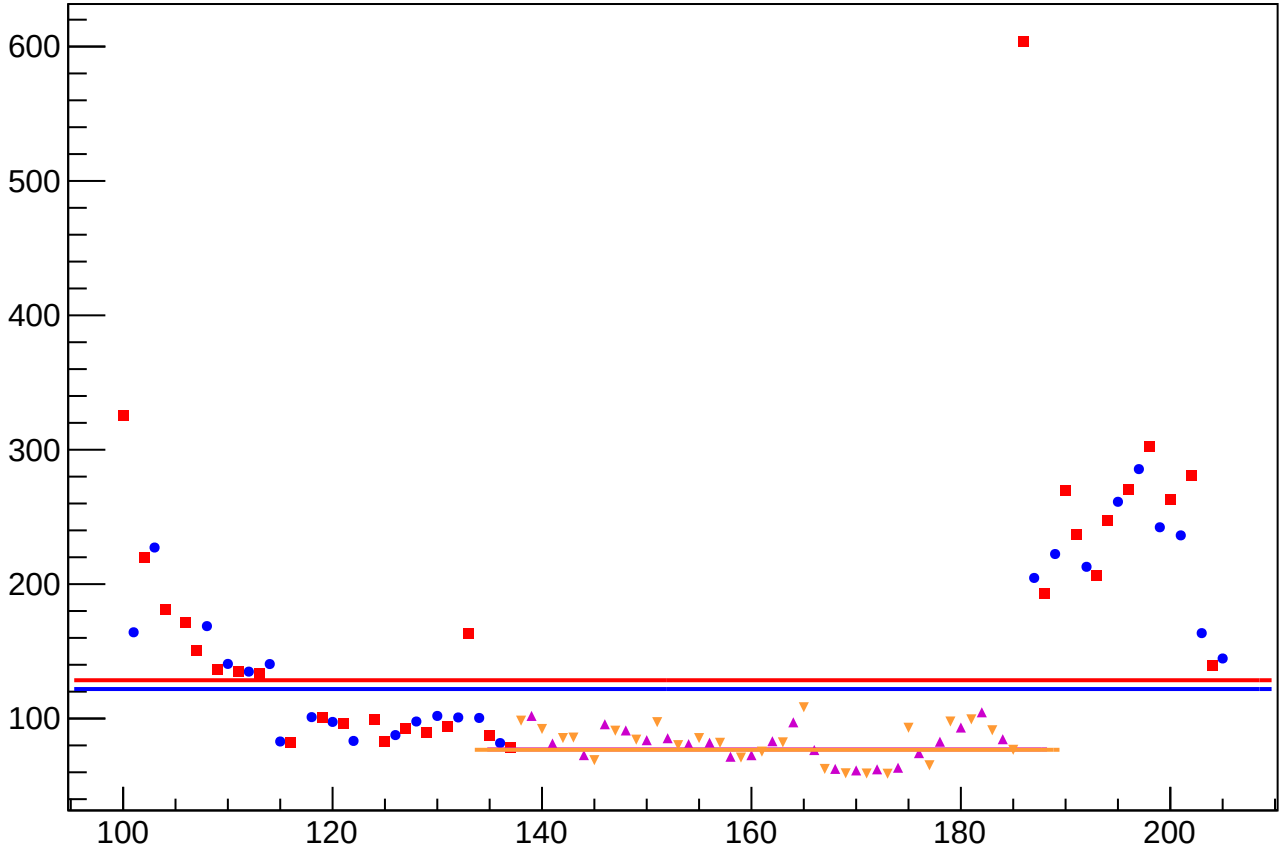
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 51.253+/-16.039 χ^2/NDF: 61.5/49

All: 1.782+/-11.505 χ^2/NDF: 163.2/102

- sign -50.648+/-16.512 χ^2/NDF: 82.1/52

dit_asym_sam_3726_avg_rms vs Slug



Right In: 121.940+/-0.025 χ^2/NDF: 4056964.9/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 128.497+/-0.026 χ^2/NDF: 5379213.4/29

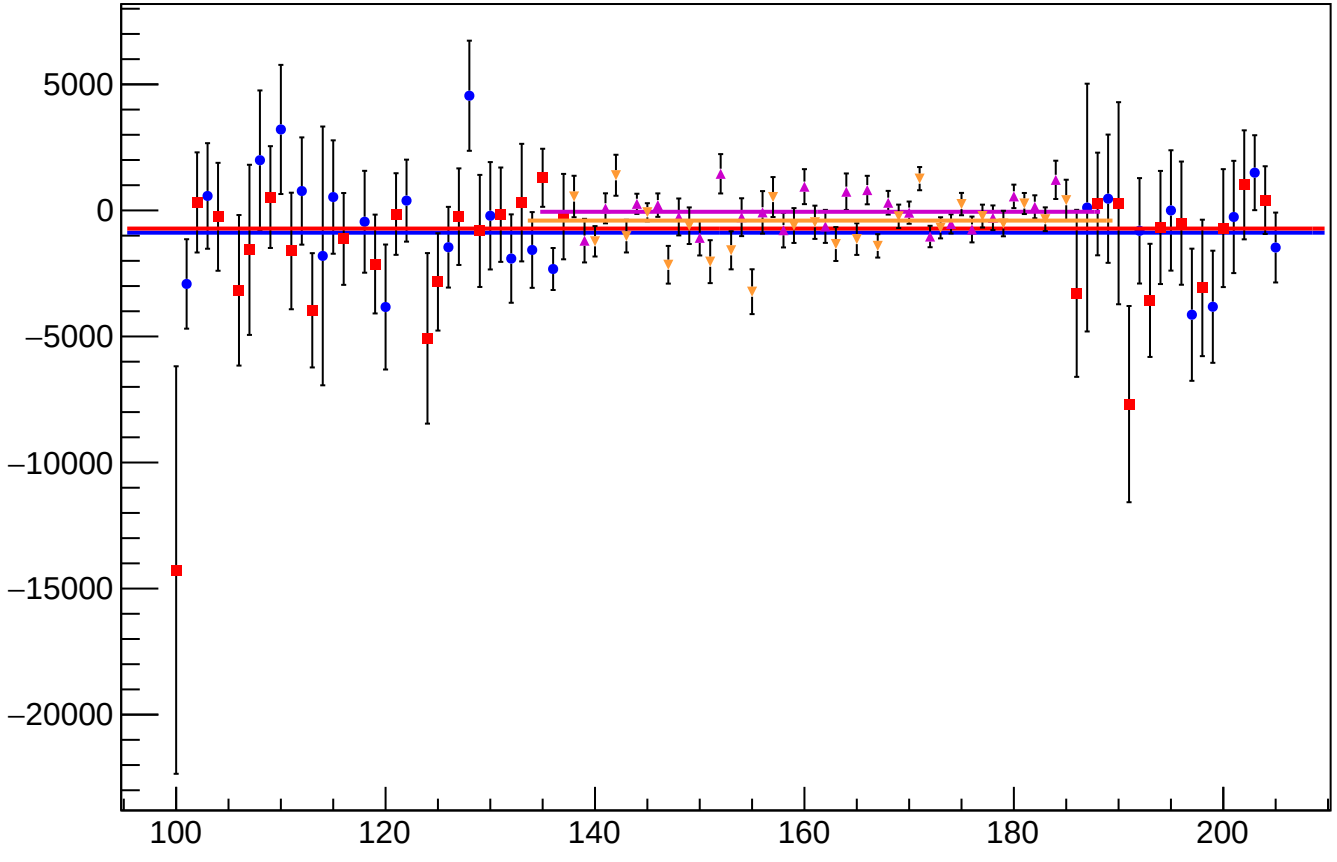
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 85.852+/-0.011 χ^2/NDF: 7847137.6/49

All: 86.639+/-0.008 χ^2/NDF: 17241668.6/102

- sign 87.474+/-0.012 χ^2/NDF: 9384605.8/52

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -883.372+/-372.035 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -719.795+/-384.232 χ^2/NDF: 21.3/29

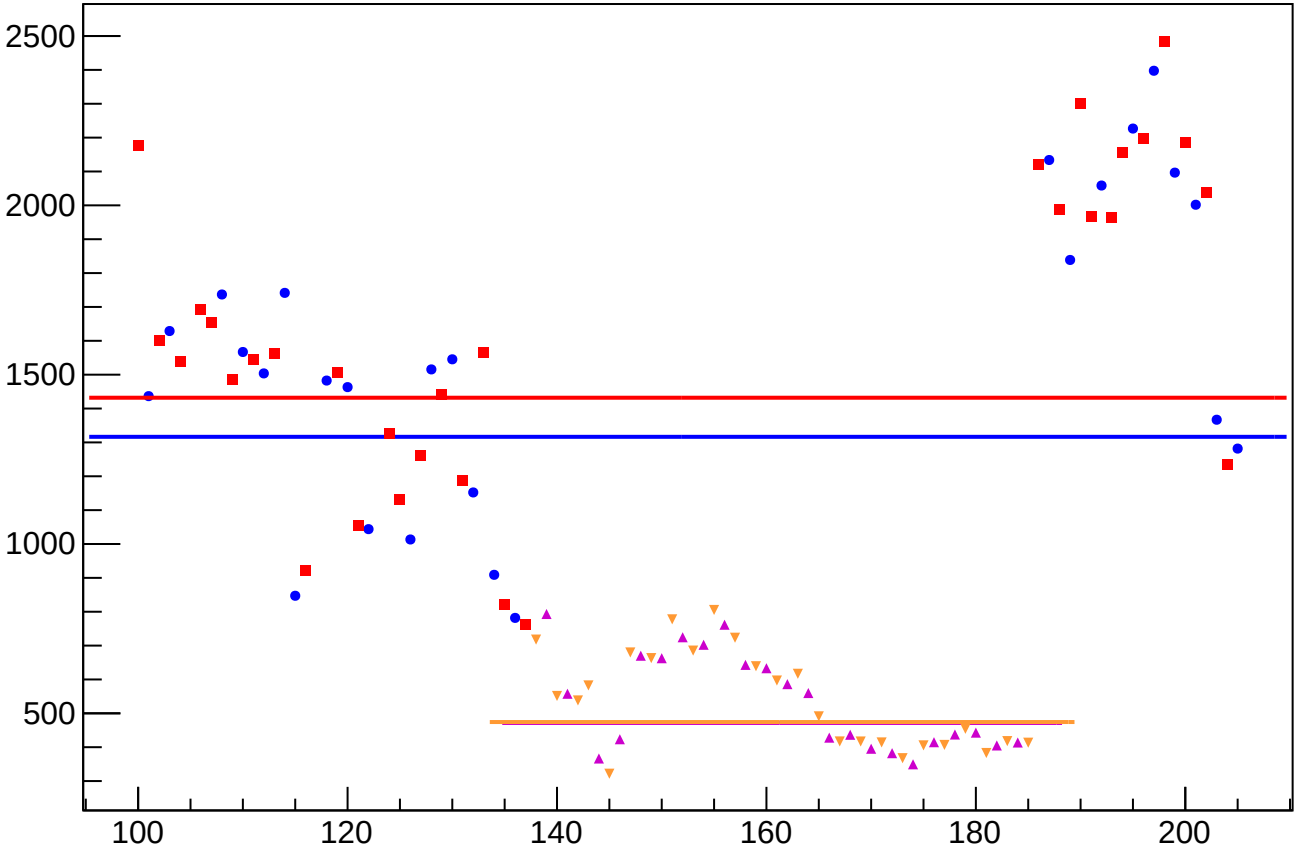
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -443.114+/-107.046 χ^2/NDF: 87.3/49

All: -279.451+/-76.542 χ^2/NDF: 146.8/102

- sign -108.238+/-109.488 χ^2/NDF: 54.7/52

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1316.499+/-0.263 χ^2/NDF: 2874341.0/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1431.949+/-0.272 χ^2/NDF: 2917753.5/29

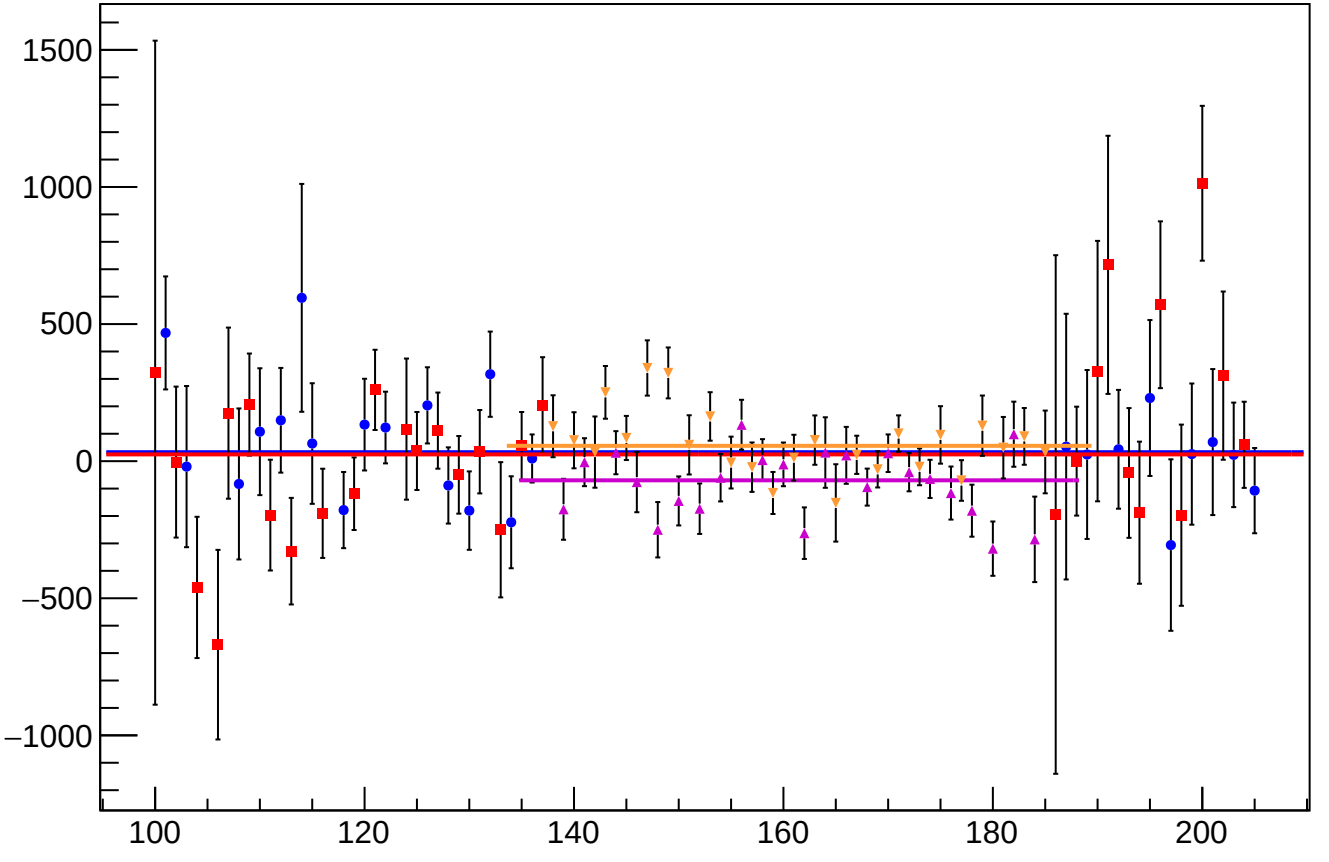
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 544.020+/-0.076 χ^2/NDF: 14814211.9/49

All: 546.672+/-0.054 χ^2/NDF: 31426801.7/10

- sign 549.446+/-0.077 χ^2/NDF: 16610078.4/52

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 24.669+/-36.638 χ^2/NDF: 42.3/29

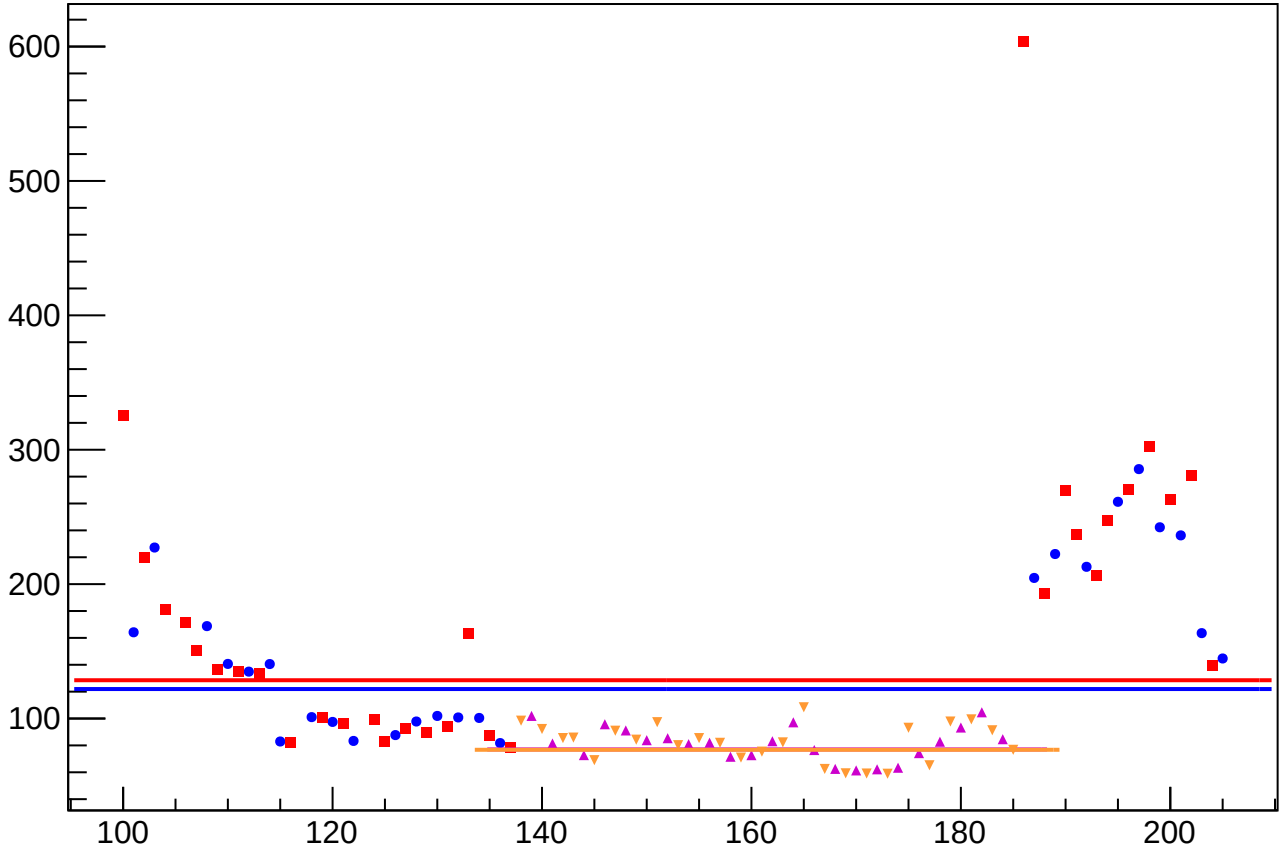
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 51.252+/-16.039 χ^2/NDF: 61.5/49

All: 1.782+/-11.505 χ^2/NDF: 163.2/102

- sign -50.647+/-16.512 χ^2/NDF: 82.1/52

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 121.940+/-0.025 χ^2/NDF: 4056972.2/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

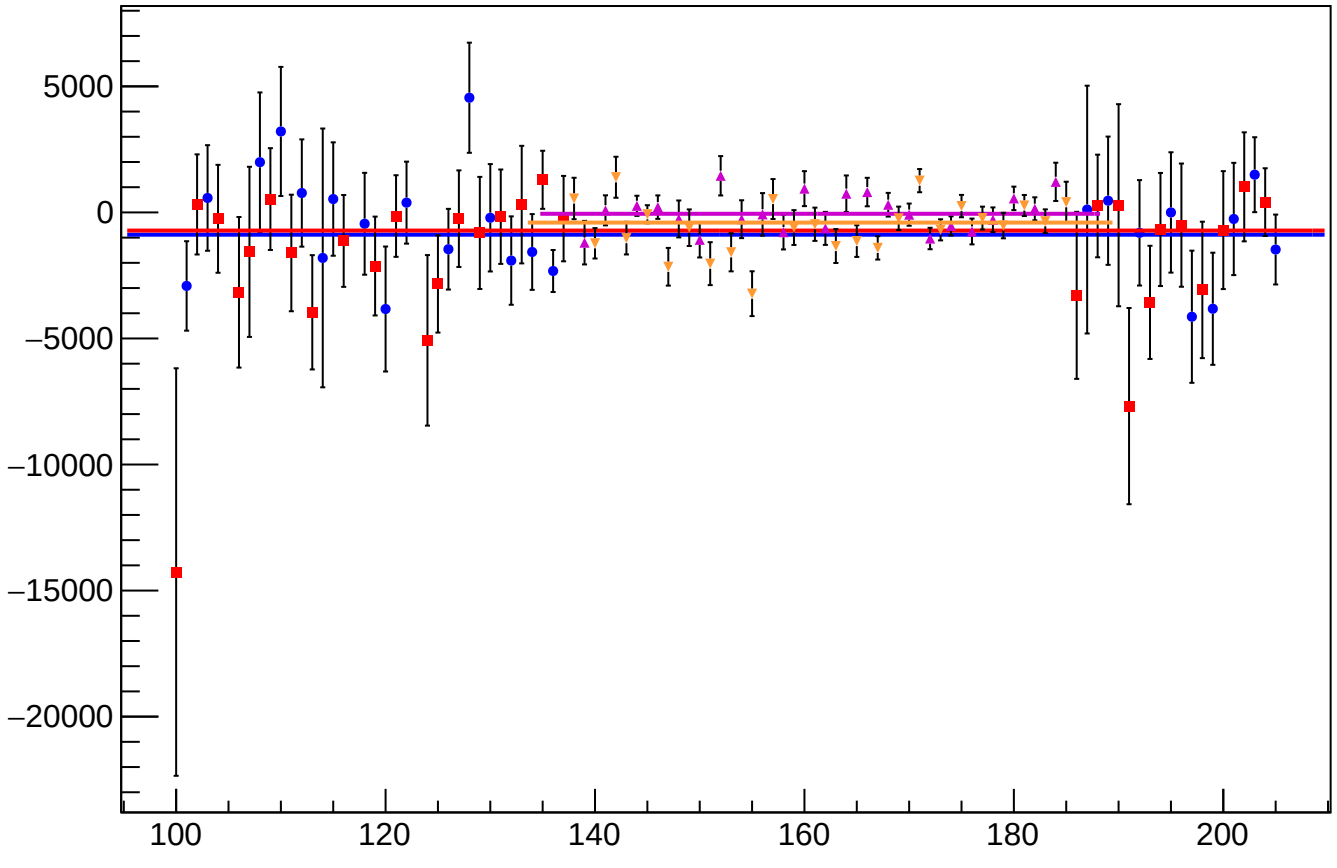
Right Out: 128.497+/-0.026 χ^2/NDF: 5379222.4/29

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

\+ sign 85.852+/-0.011 χ^2/NDF: 7847089.3/49

All: 86.640+/-0.008 χ^2/NDF: 17241572.0/102

\- sign 87.474+/-0.012 χ^2/NDF: 9384556.9/52



Right In: -883.369+/-372.034 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -719.796+/-384.231 χ^2/NDF: 21.3/29

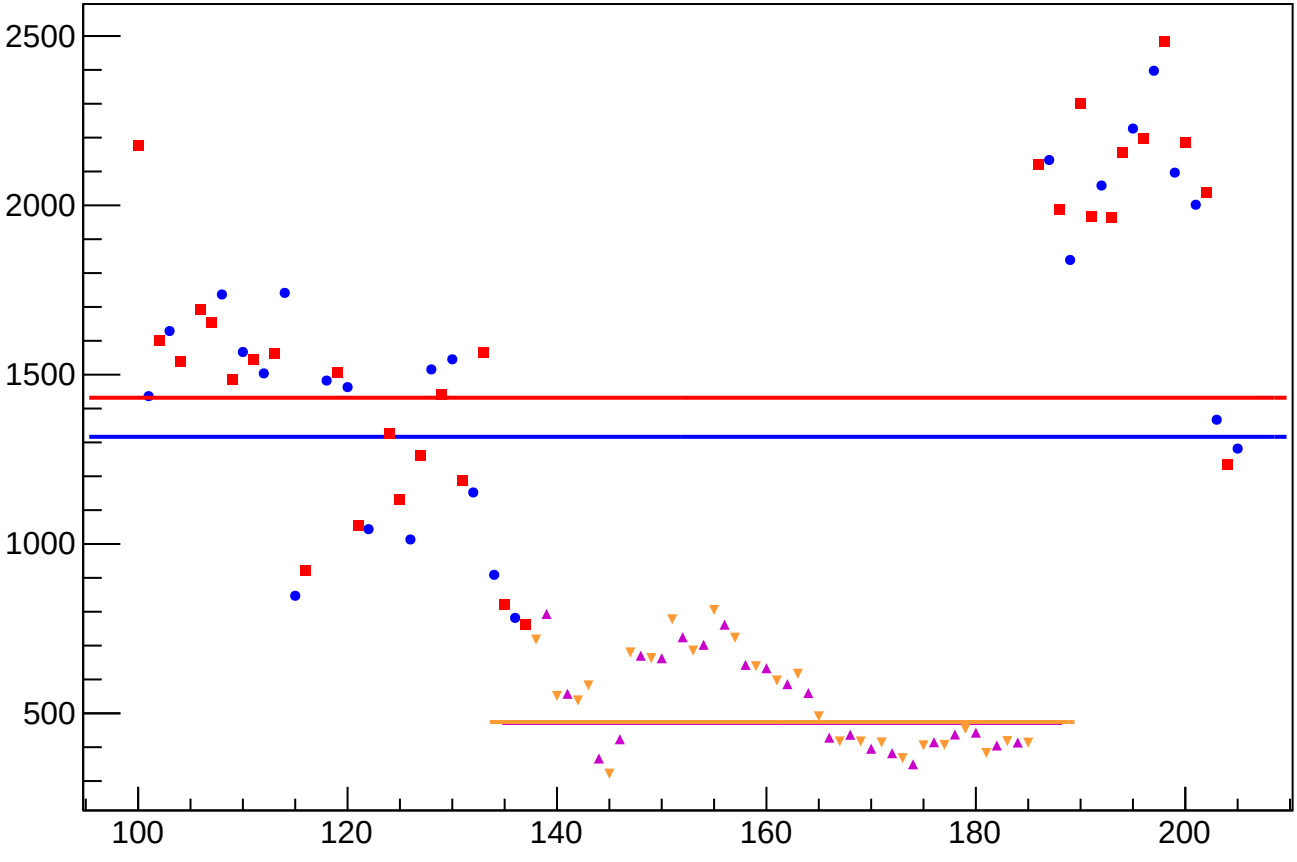
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -443.113+/-107.046 χ^2/NDF: 87.3/49

All: -279.451+/-76.542 χ^2/NDF: 146.8/102

- sign -108.238+/-109.488 χ^2/NDF: 54.7/52

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1316.498+/-0.263 χ^2/NDF: 2874331.5/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1431.948+/-0.272 χ^2/NDF: 2917748.6/29

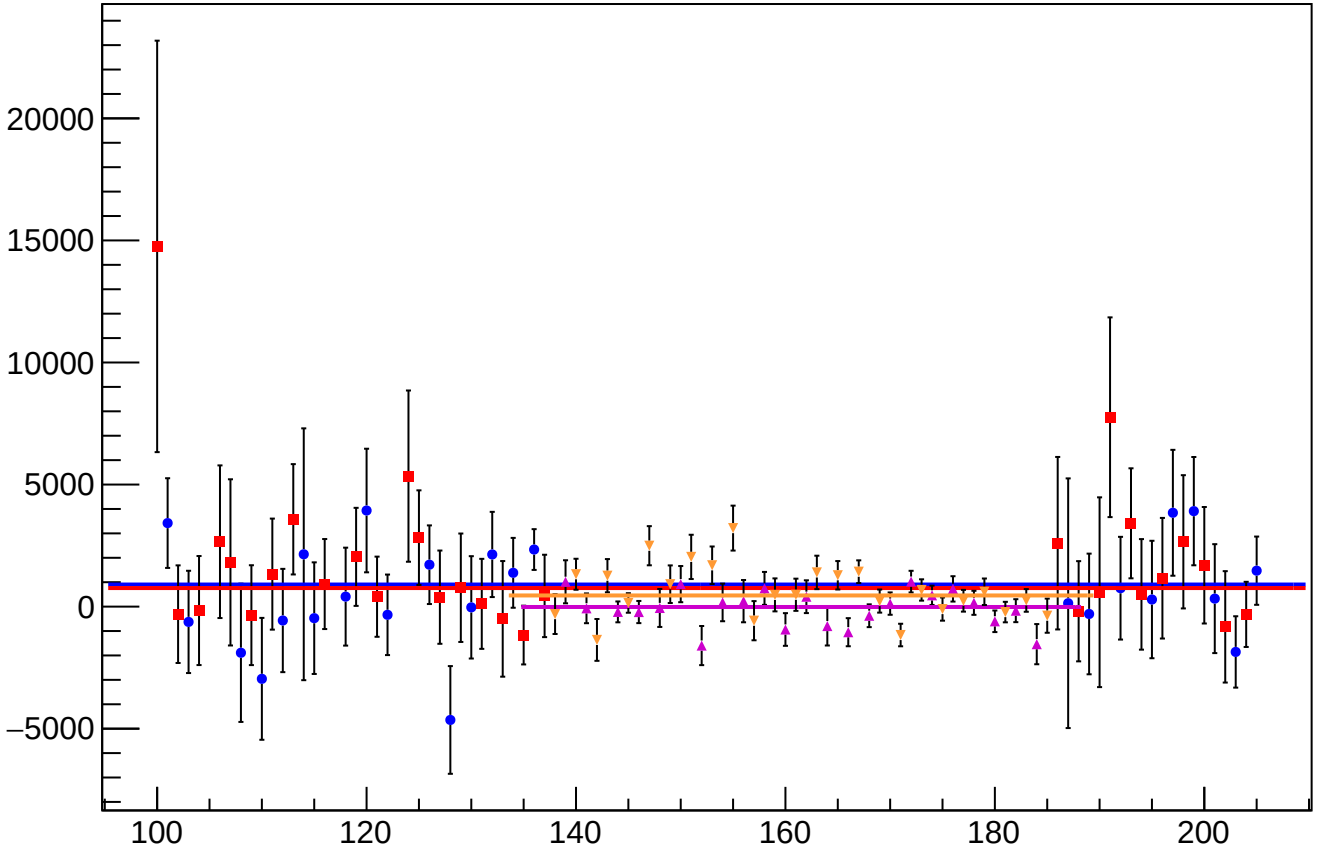
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 544.020+/-0.076 χ^2/NDF: 14814209.1/49

All: 546.672+/-0.054 χ^2/NDF: 31426782.5/10

- sign 549.446+/-0.077 χ^2/NDF: 16610061.9/52

asym_sam_3726_avg_mean vs Slug



Right In: 904.741+/-371.667 χ^2/NDF: 26.4/24

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 760.134+/-389.349 χ^2/NDF: 18.5/29

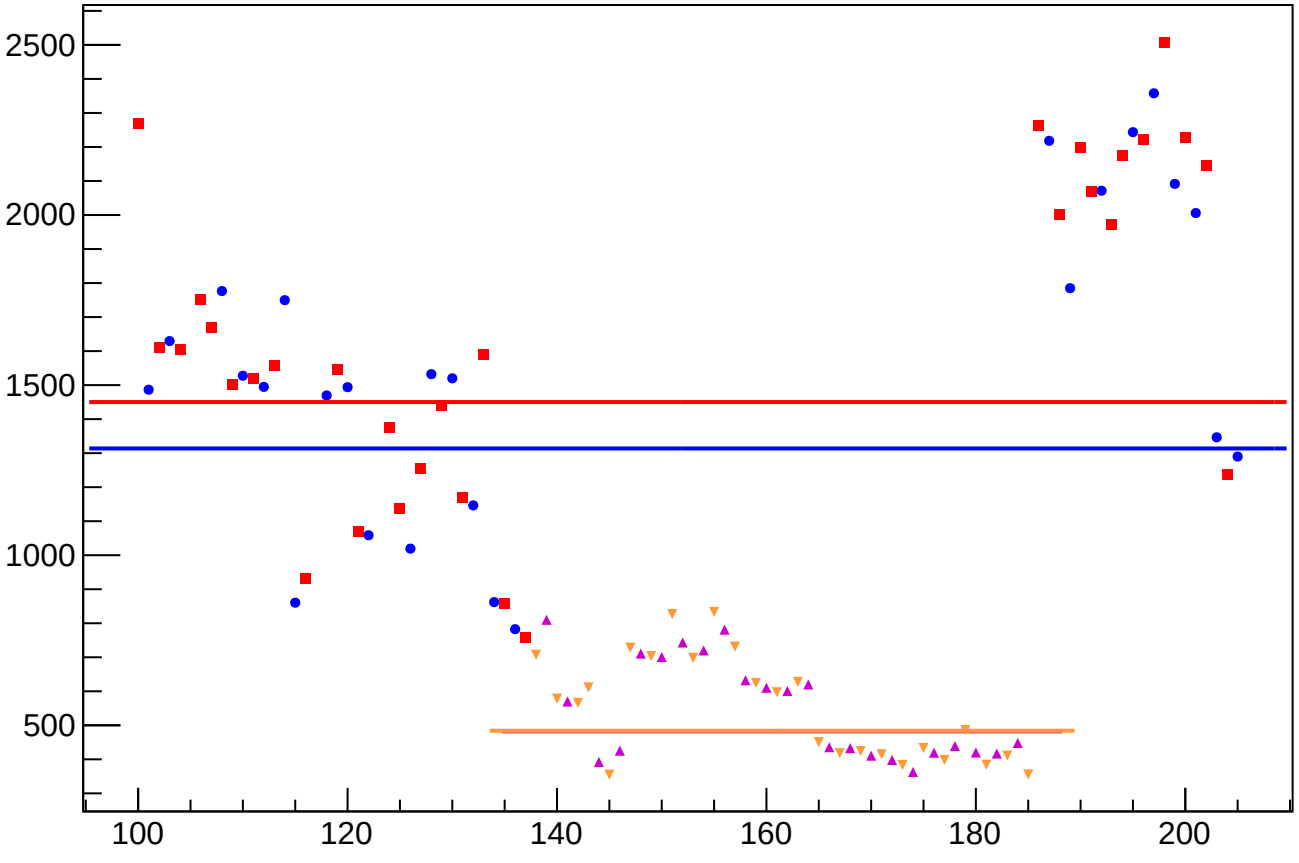
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 495.980+/-109.295 χ^2/NDF: 87.1/49

All: 277.437+/-78.150 χ^2/NDF: 147.7/102

- sign 48.815+/-111.787 χ^2/NDF: 52.5/52

asym_sam_3726_avg_rms vs Slug



Right In: 1313.764+/-0.263 χ^2/NDF: 2903274.3/24

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

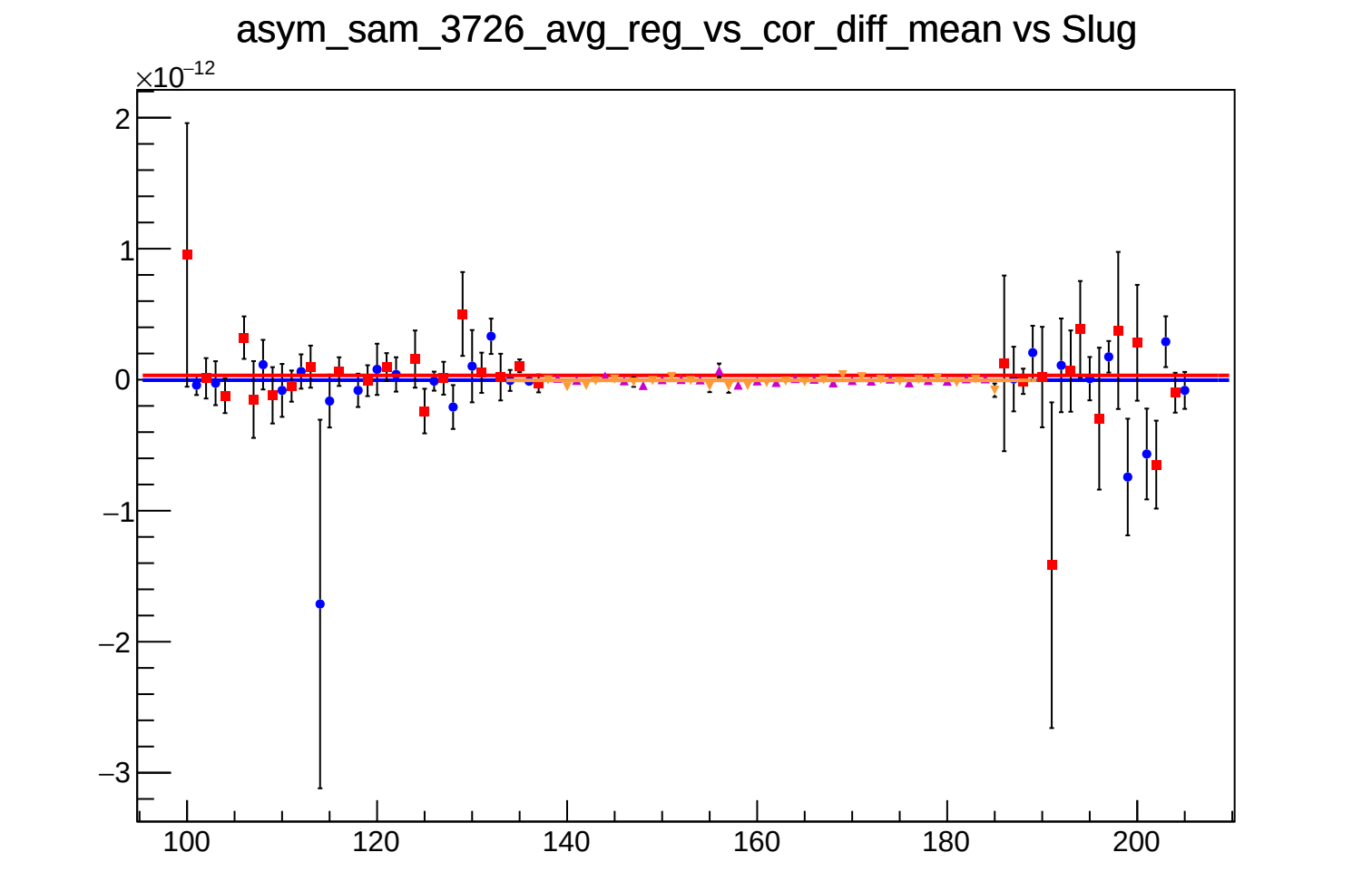
Right Out: 1450.194+/-0.275 χ^2/NDF: 2920534.1/29

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 555.871+/-0.077 χ^2/NDF: 14555424.1/49

All: 558.846+/-0.055 χ^2/NDF: 31009777.6/10

- sign 561.959+/-0.079 χ^2/NDF: 16451321.4/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/29

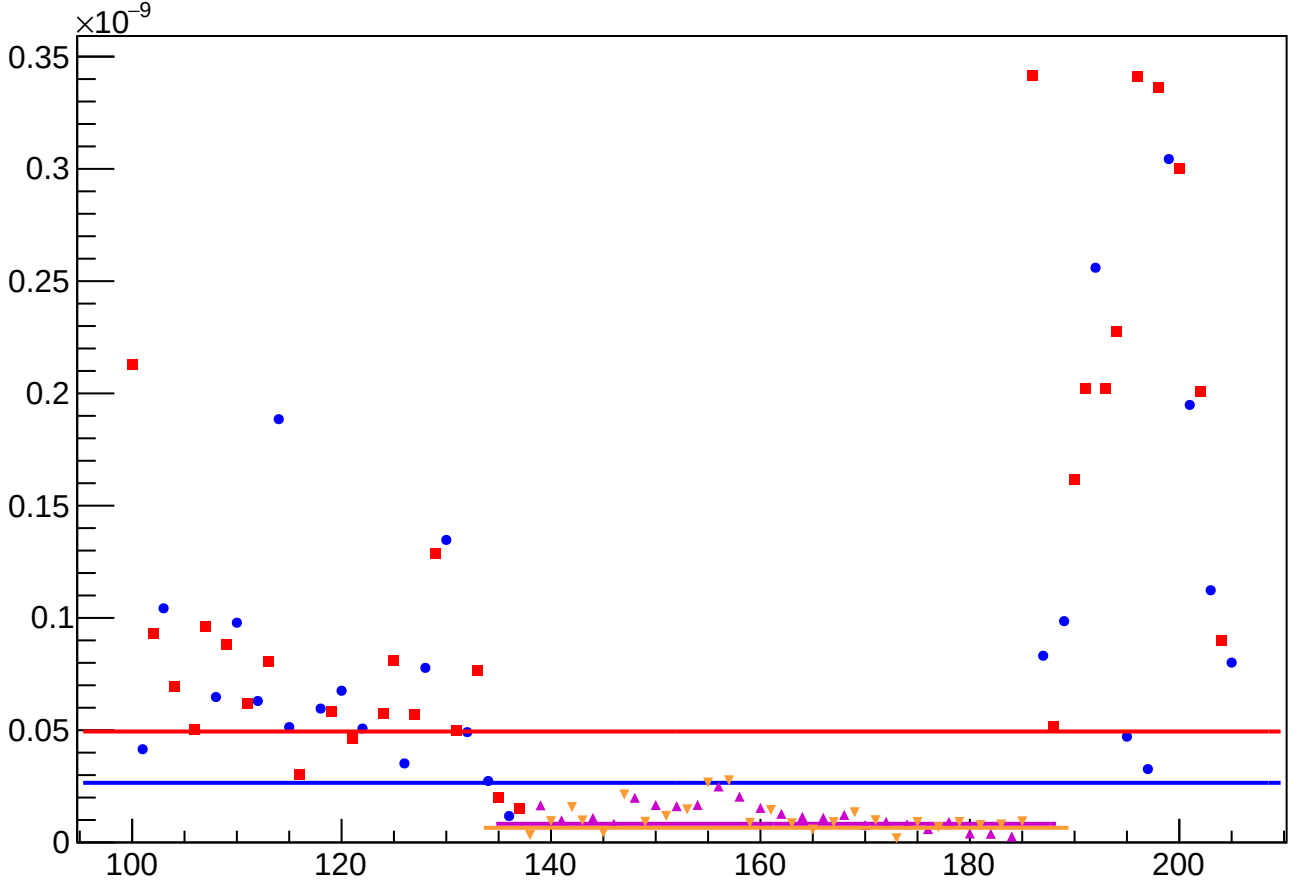
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.2/49

All: -0.000+/-0.000 χ^2/NDF: 95.4/102

- sign -0.000+/-0.000 χ^2/NDF: 41.2/52

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6099707.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5788591.1/29

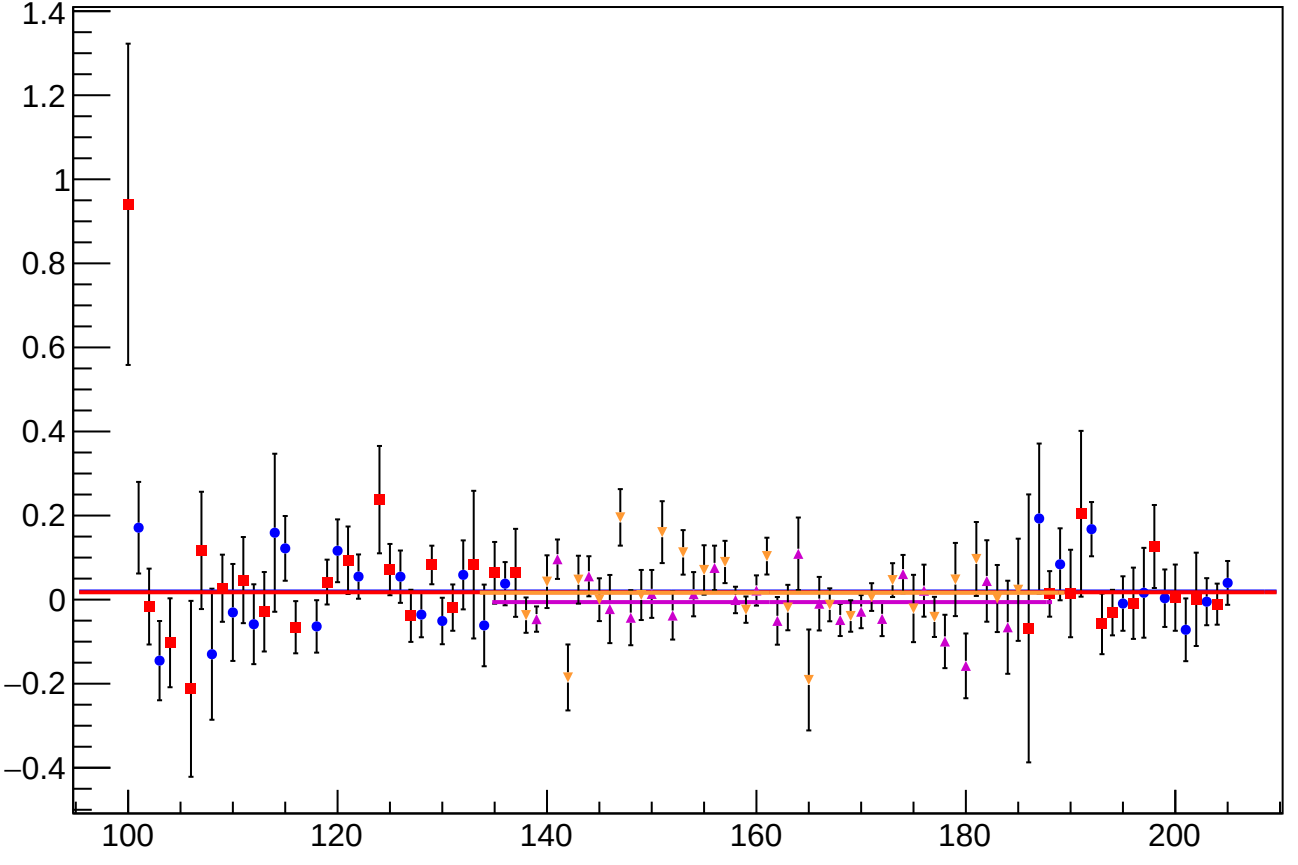
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12598999.0/49

All: 0.000+/-0.000 χ^2/NDF: 26686332.0/102

- sign 0.000+/-0.000 χ^2/NDF: 13755989.0/52

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

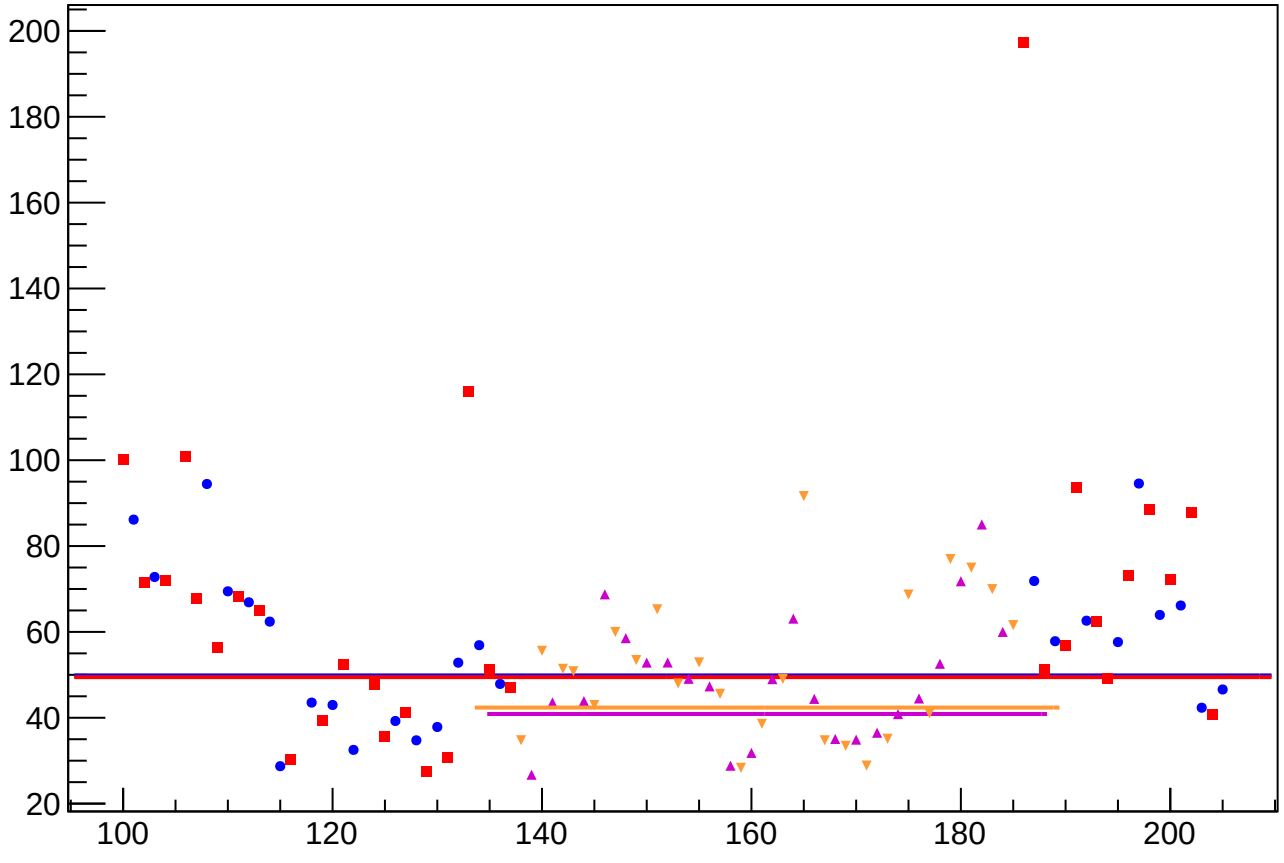
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 120.9/102

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

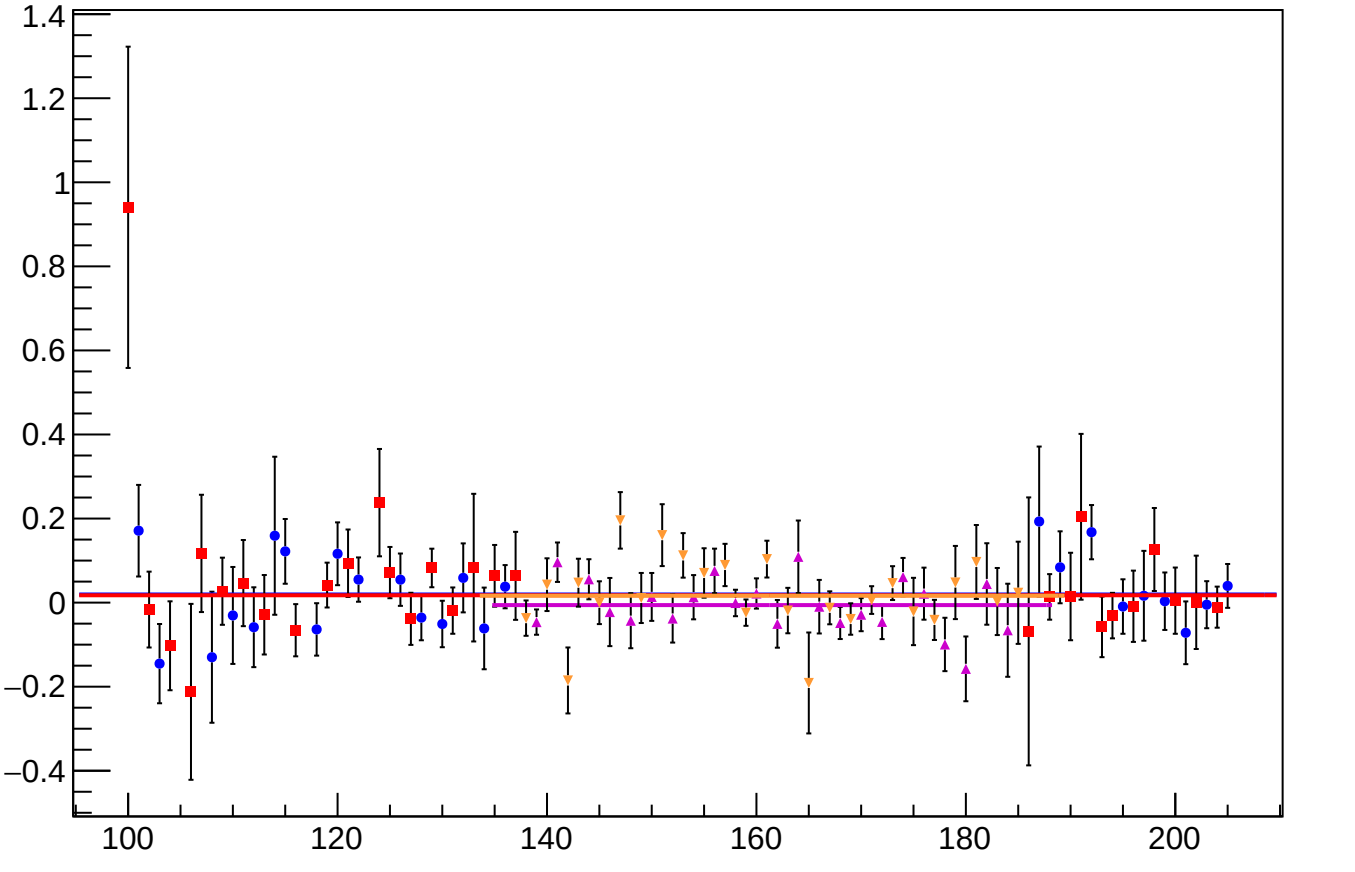
Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.915+/-0.006 χ^2/NDF: 5641238.1/49

All: 44.382+/-0.004 χ^2/NDF: 12285571.4/102

- sign 43.862+/-0.006 χ^2/NDF: 6628444.5/52



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

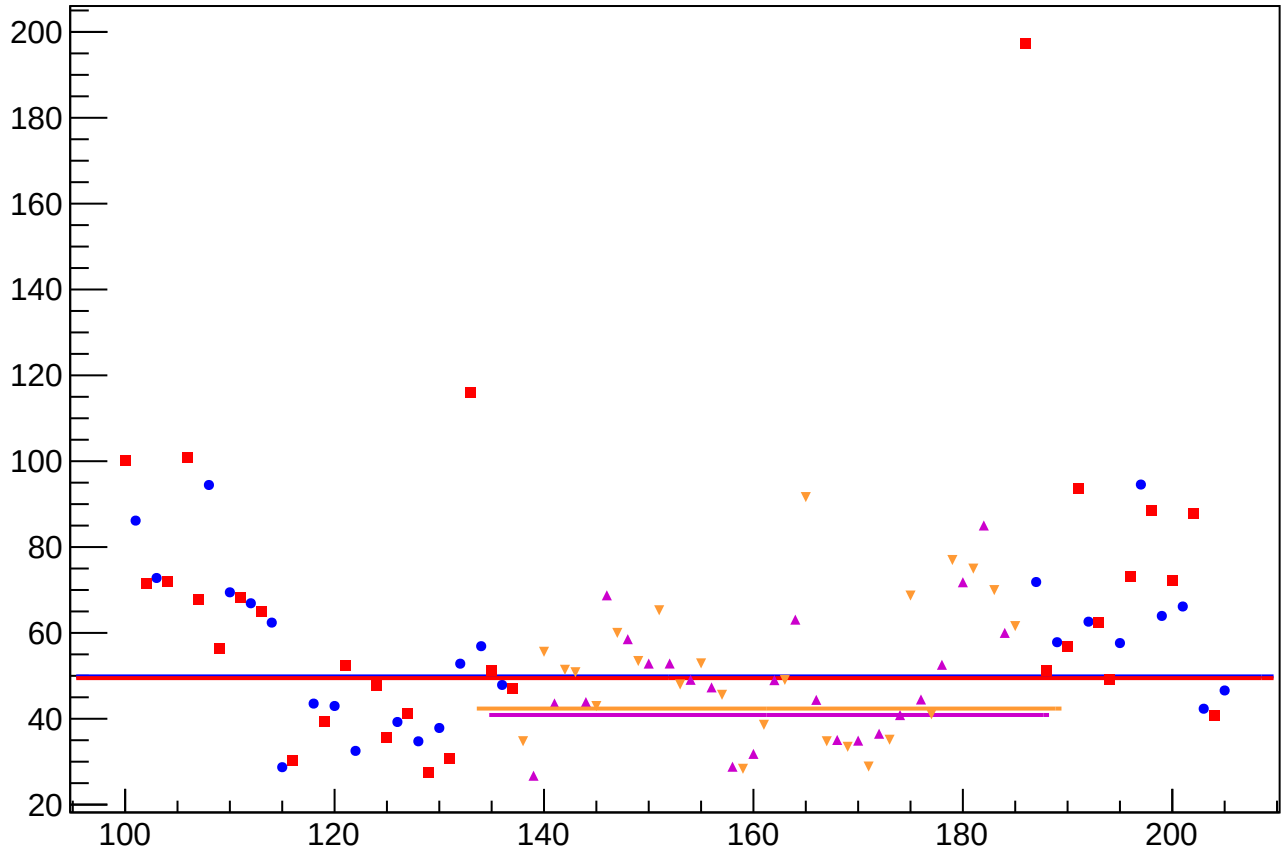
Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 120.9/102

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

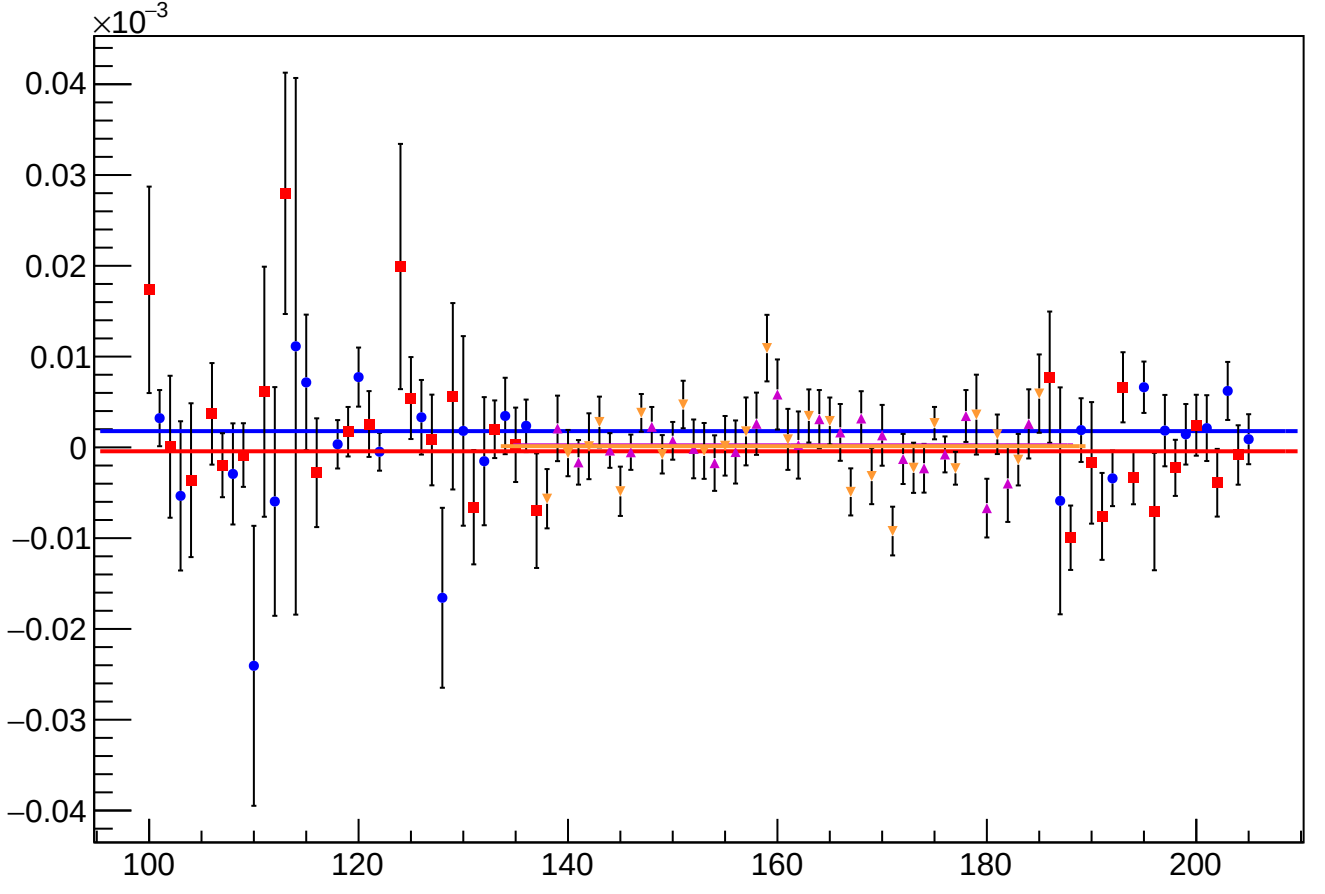
Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.915+/-0.006 χ^2/NDF: 5641238.1/49

All: 44.382+/-0.004 χ^2/NDF: 12285571.4/102

- sign 43.862+/-0.006 χ^2/NDF: 6628444.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

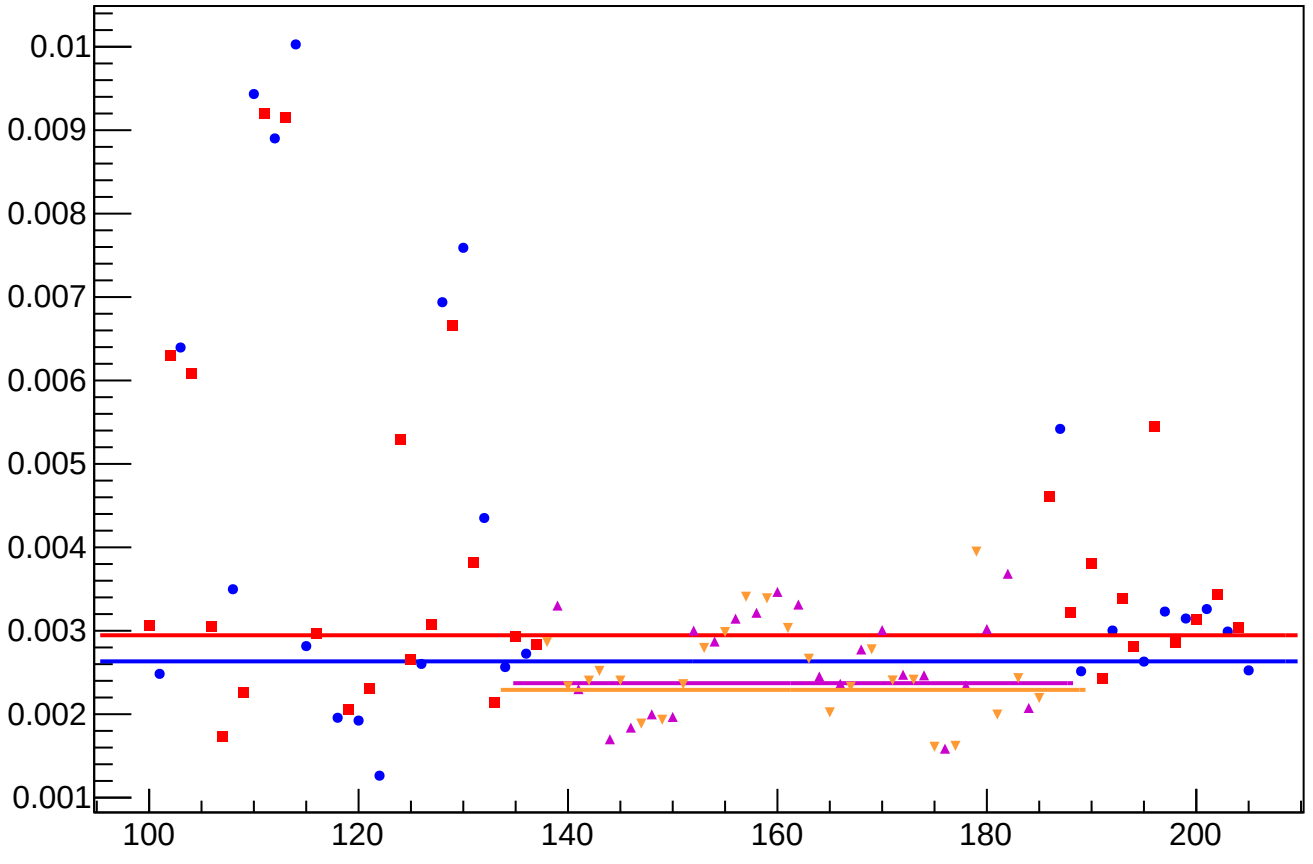
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/29

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.6/49

All: 0.000+/-0.000 χ^2/NDF: 127.7/102

- sign 0.000+/-0.000 χ^2/NDF: 51.0/52



Right In: 0.003+/-0.000 χ^2/NDF: 3831801.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

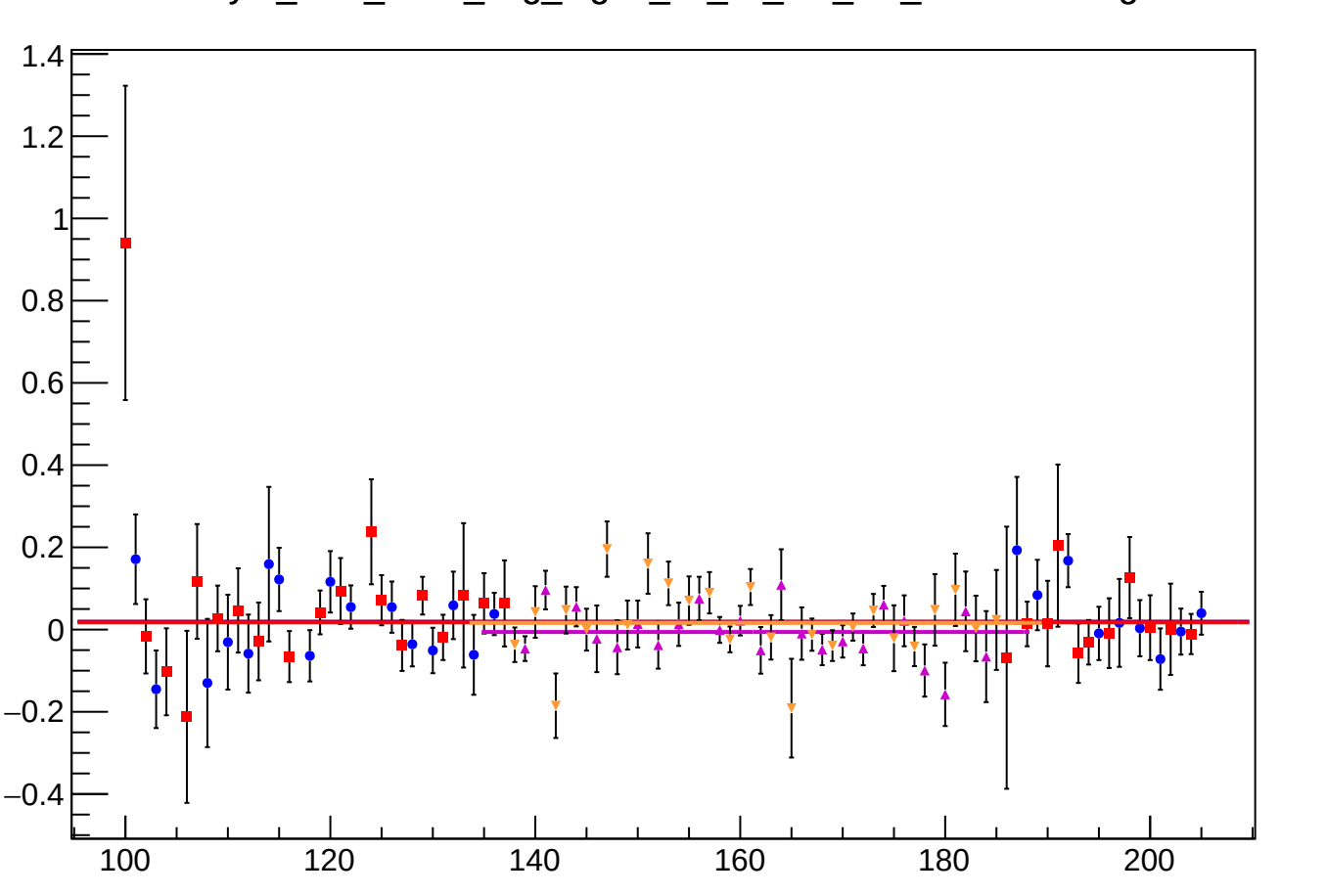
Right Out: 0.003+/-0.000 χ^2/NDF: 3129855.9/29

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5917030.2/49

All: 0.002+/-0.000 χ^2/NDF: 11859938.9/102

- sign 0.003+/-0.000 χ^2/NDF: 5817098.0/52



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

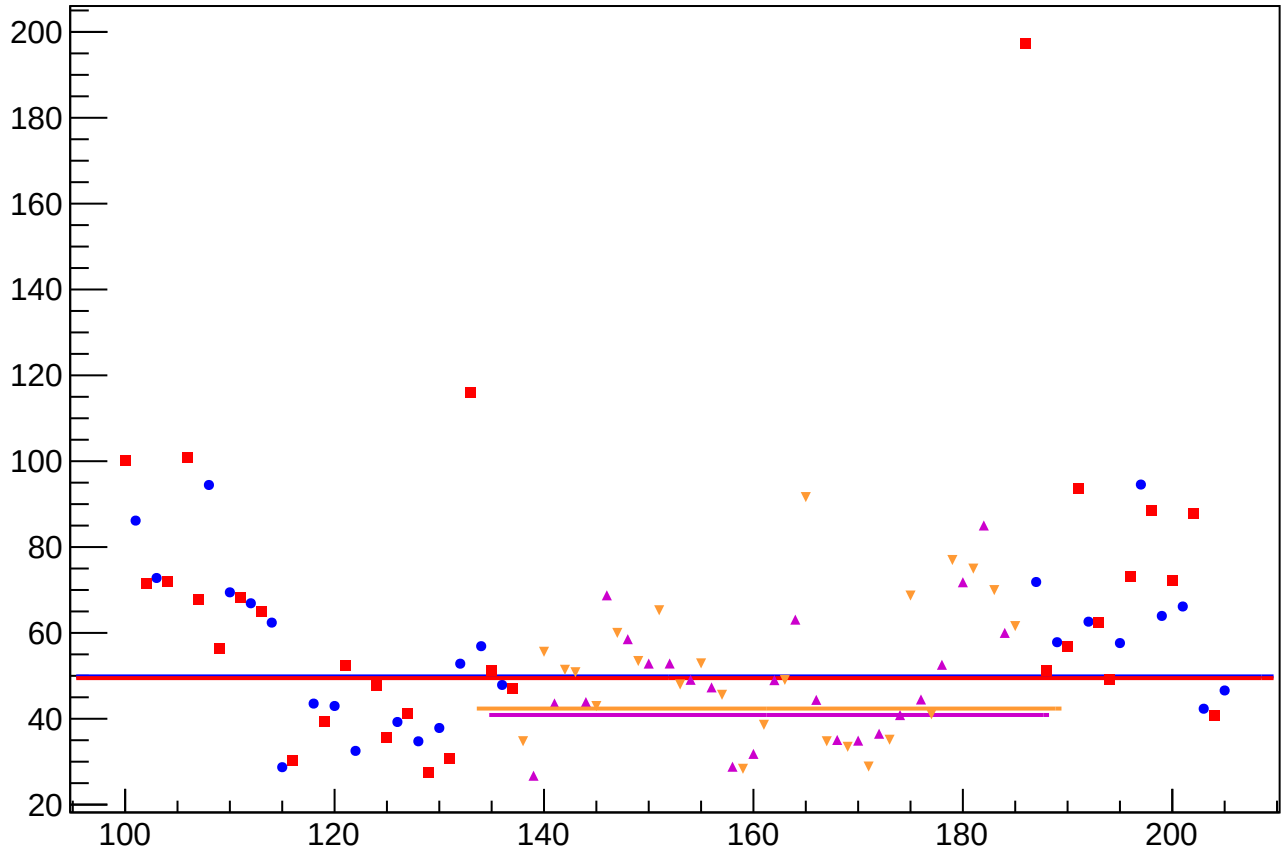
Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 120.9/102

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

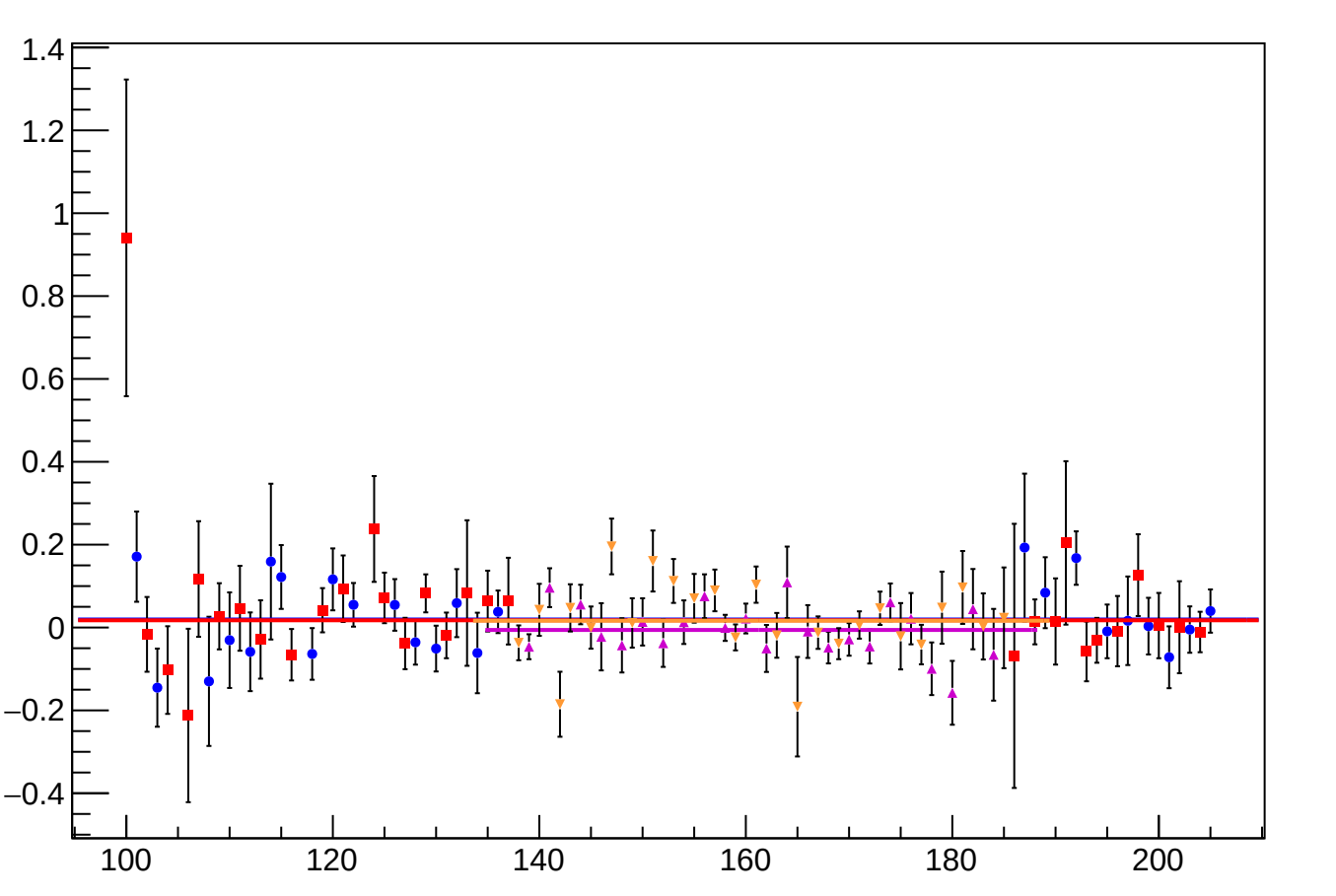
Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.916+/-0.006 χ^2/NDF: 5641187.2/49

All: 44.382+/-0.004 χ^2/NDF: 12285419.5/102

- sign 43.862+/-0.006 χ^2/NDF: 6628347.1/52



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

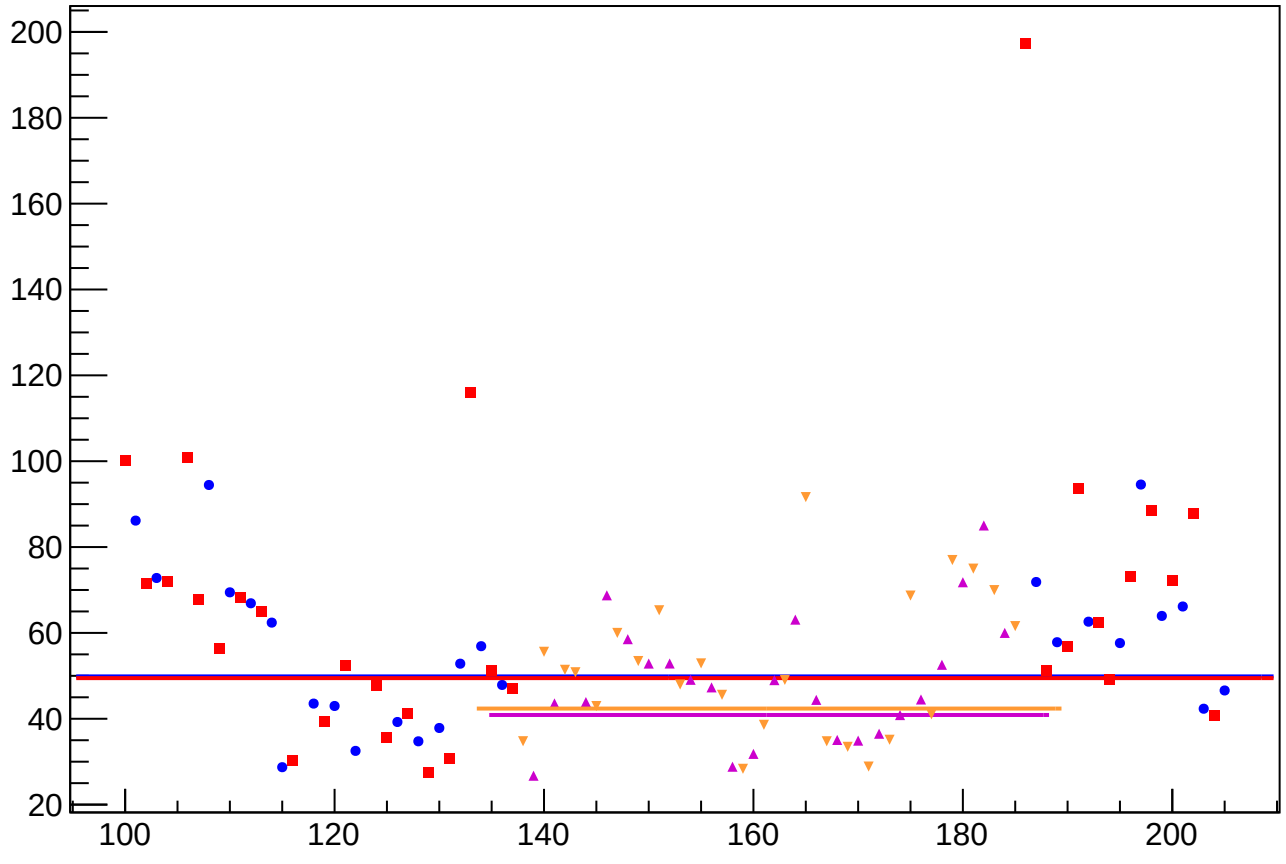
Right Out: 0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 120.9/102

- sign 0.002+/-0.008 χ^2/NDF: 52.3/52



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

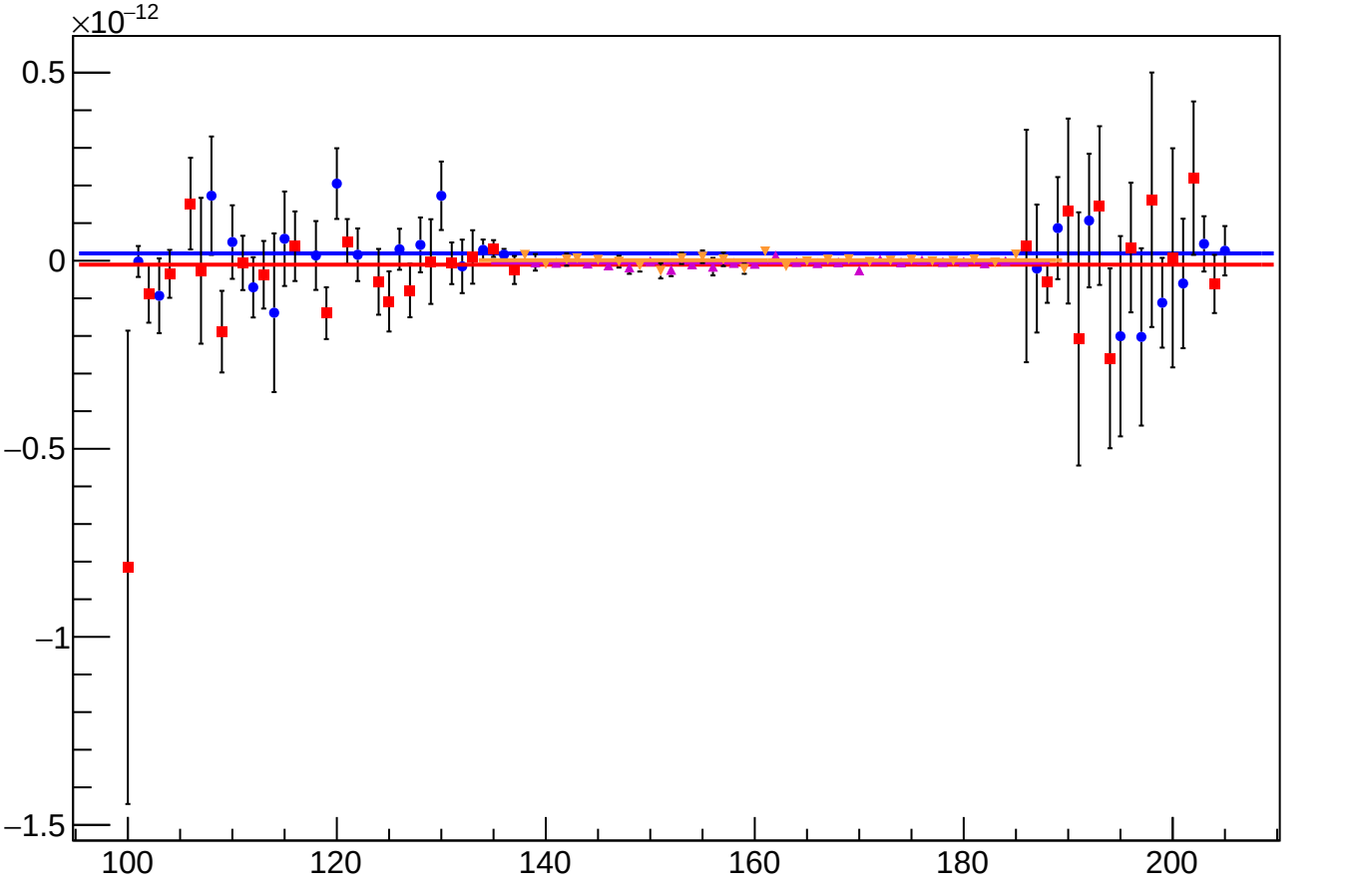
Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.916+/-0.006 χ^2/NDF: 5641187.2/49

All: 44.382+/-0.004 χ^2/NDF: 12285419.5/102

- sign 43.862+/-0.006 χ^2/NDF: 6628347.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

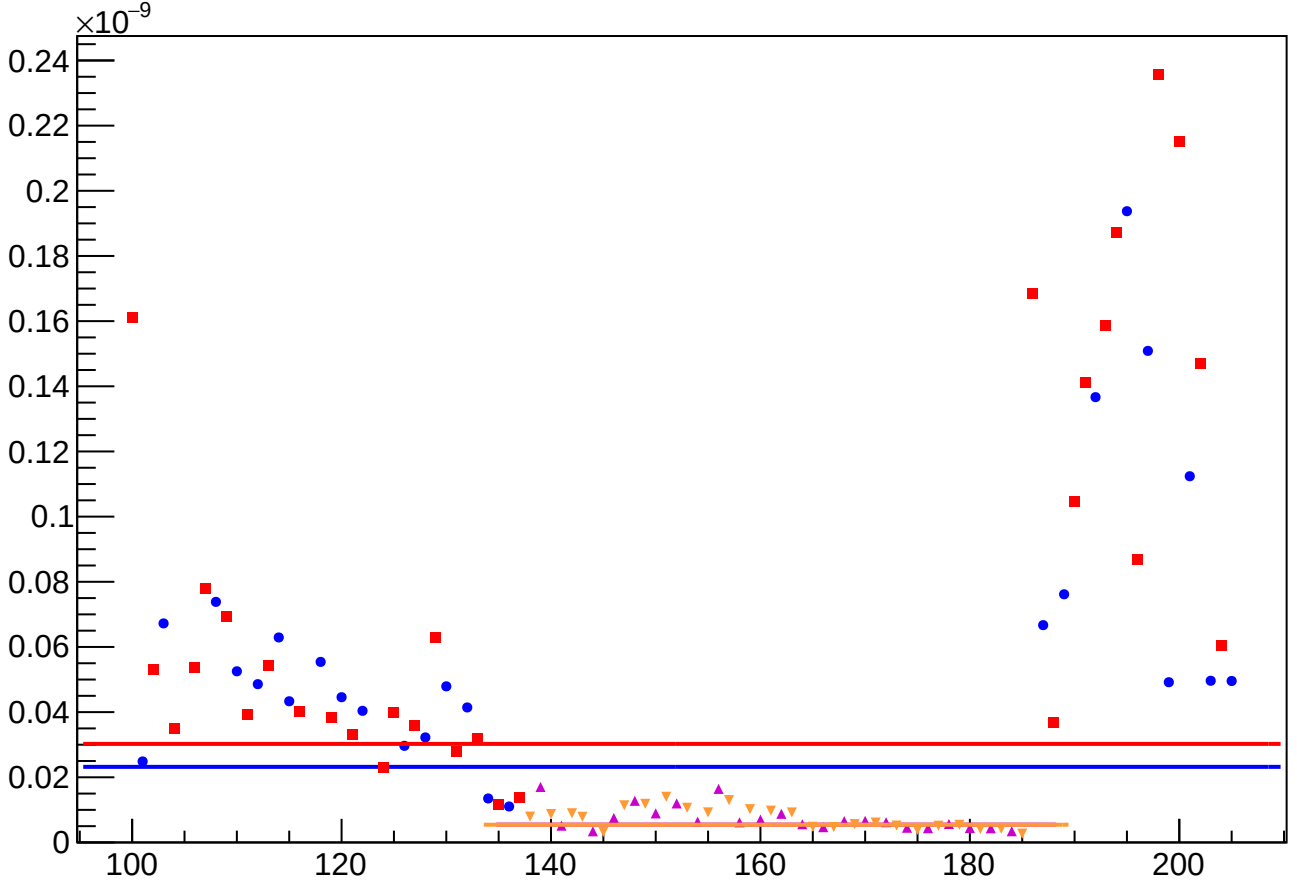
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/29

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.9/49

All: -0.000+/-0.000 χ^2/NDF: 83.4/102

- sign -0.000+/-0.000 χ^2/NDF: 37.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 7316296.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8095555.3/29

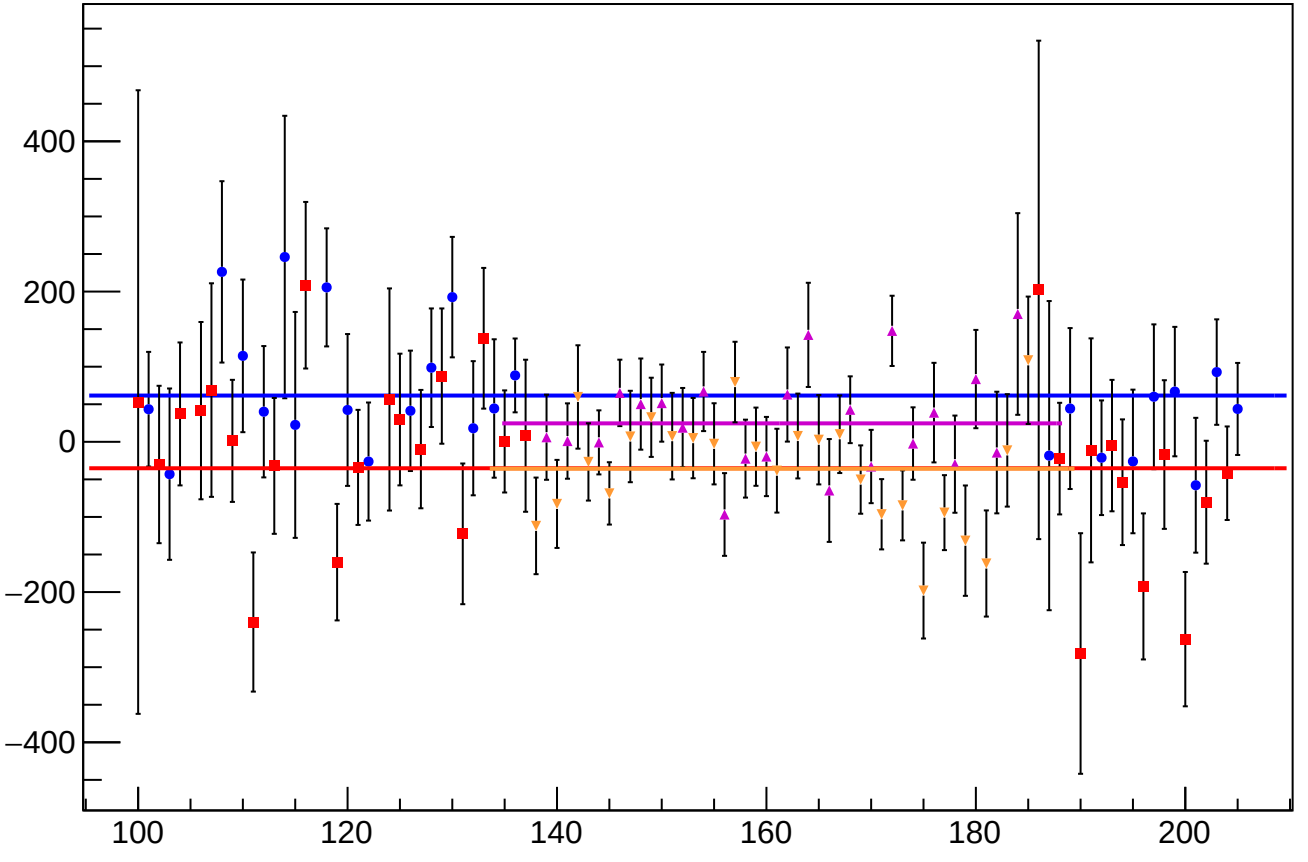
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 16437823.6/49

All: 0.000+/-0.000 χ^2/NDF: 34531098.9/102

- sign 0.000+/-0.000 χ^2/NDF: 18092508.5/52

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 61.586+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -35.186+/-17.079 χ^2/NDF: 34.3/29

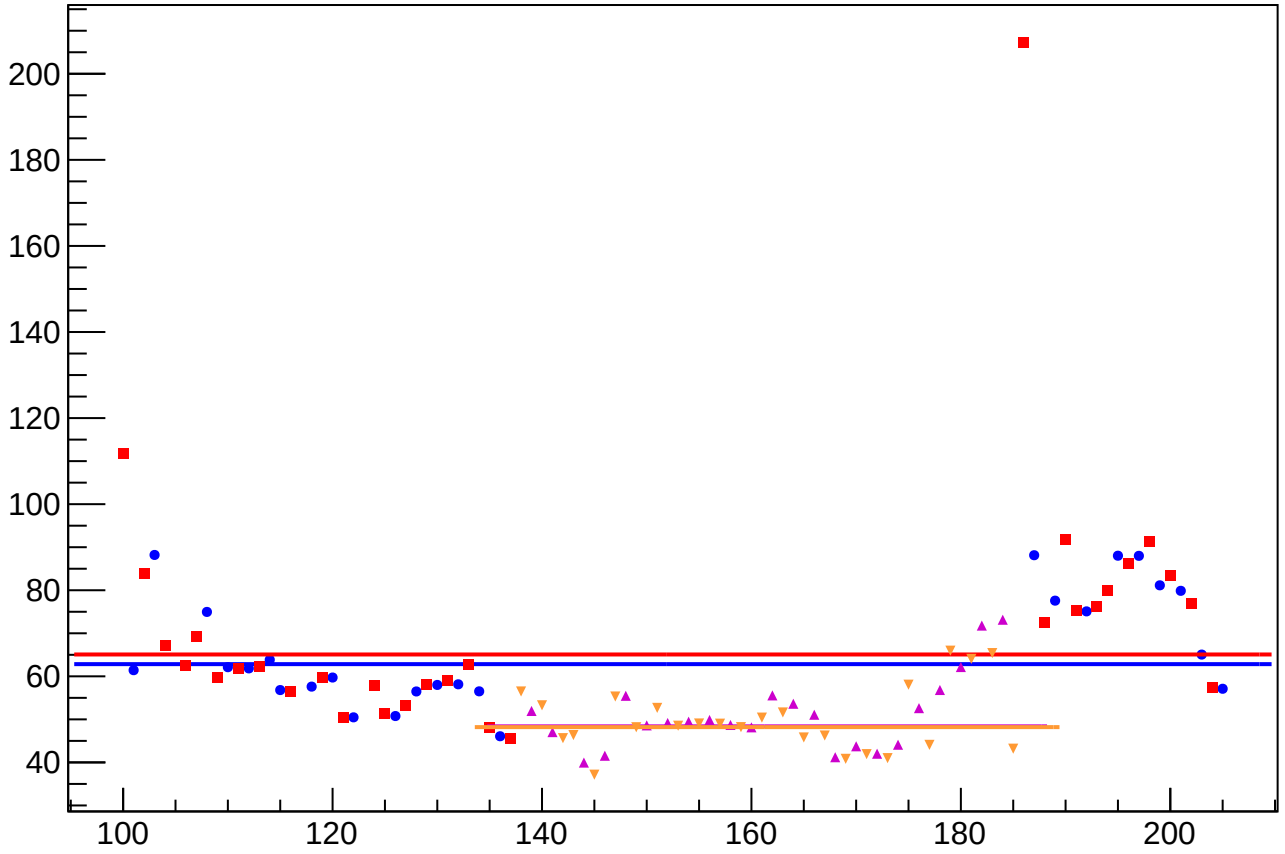
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -6.990+/-9.331 χ^2/NDF: 72.9/49

All: -0.629+/-6.665 χ^2/NDF: 142.3/102

- sign 5.994+/-9.522 χ^2/NDF: 68.5/52

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 62.833+/-0.012 χ^2/NDF: 1073546.4/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

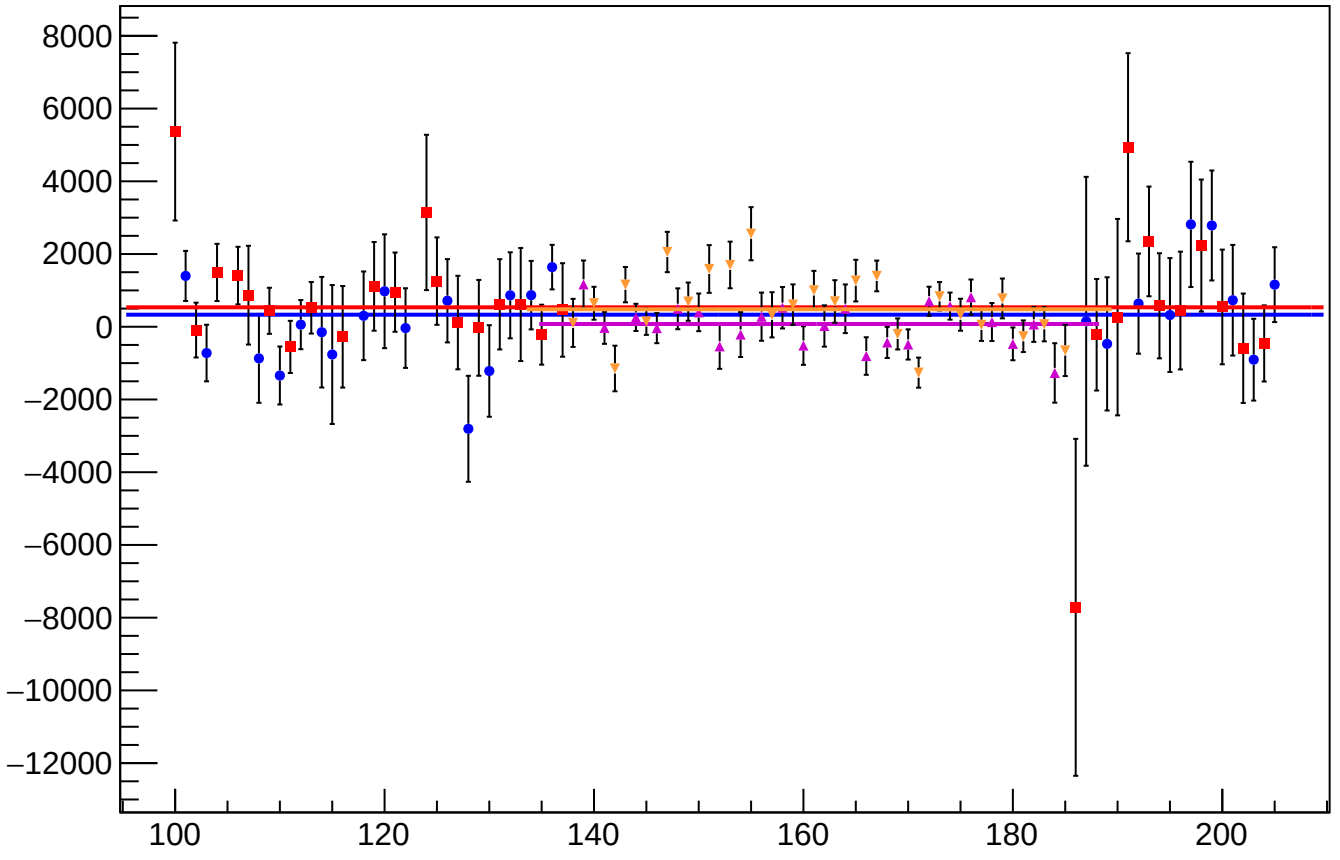
Right Out: 65.078+/-0.012 χ^2/NDF: 1458444.4/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.526+/-0.007 χ^2/NDF: 2878386.1/49

All: 53.038+/-0.005 χ^2/NDF: 6361823.2/102

- sign 53.571+/-0.007 χ^2/NDF: 3471151.1/52



Right In: 331.727+/-216.051 χ^2/NDF: 28.7/24

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 535.036+/-206.357 χ^2/NDF: 23.5/29

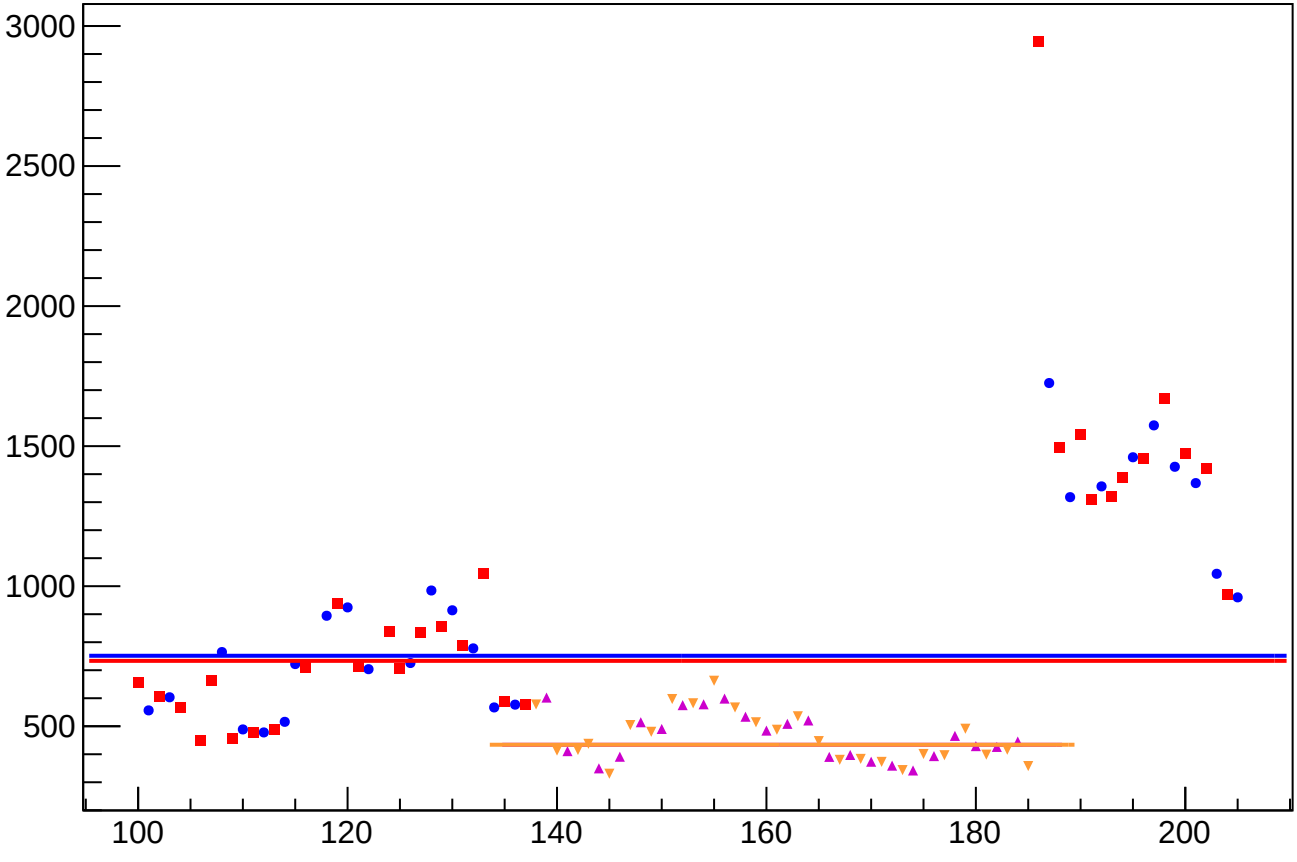
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 453.790+/-91.143 χ^2/NDF: 98.3/49

All: 312.356+/-64.835 χ^2/NDF: 155.1/102

- sign 167.465+/-92.250 χ^2/NDF: 51.9/52

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 751.610+/-0.153 χ^2/NDF: 3715598.2/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 733.437+/-0.146 χ^2/NDF: 5389698.5/29

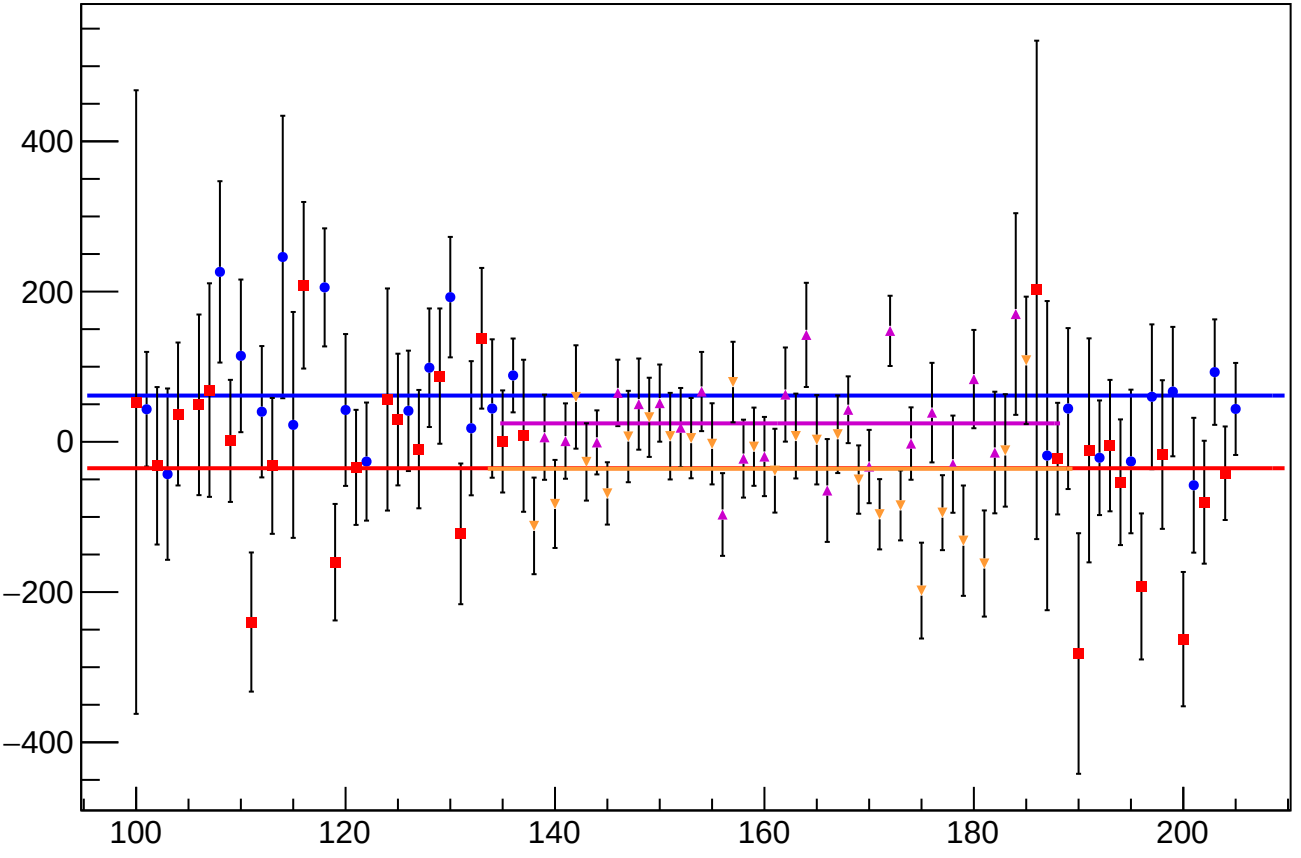
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 490.478+/-0.064 χ^2/NDF: 8513550.4/49

All: 492.029+/-0.046 χ^2/NDF: 18375049.0/10

- sign 493.618+/-0.065 χ^2/NDF: 9860326.3/52

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -35.134+/-17.085 χ^2/NDF: 34.3/29

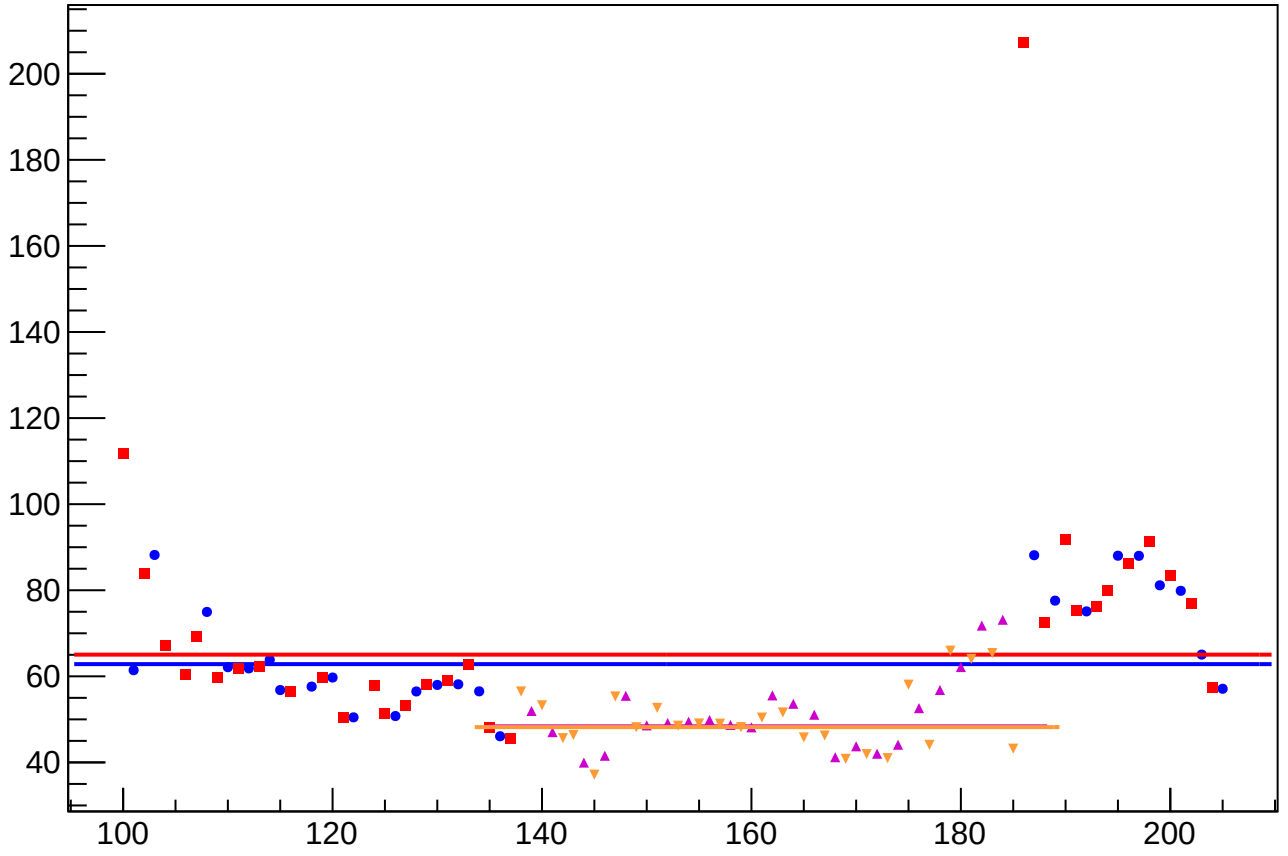
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -6.992+/-9.331 χ^2/NDF: 72.9/49

All: -0.618+/-6.665 χ^2/NDF: 142.4/102

\- sign 6.021+/-9.524 χ^2/NDF: 68.5/52

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

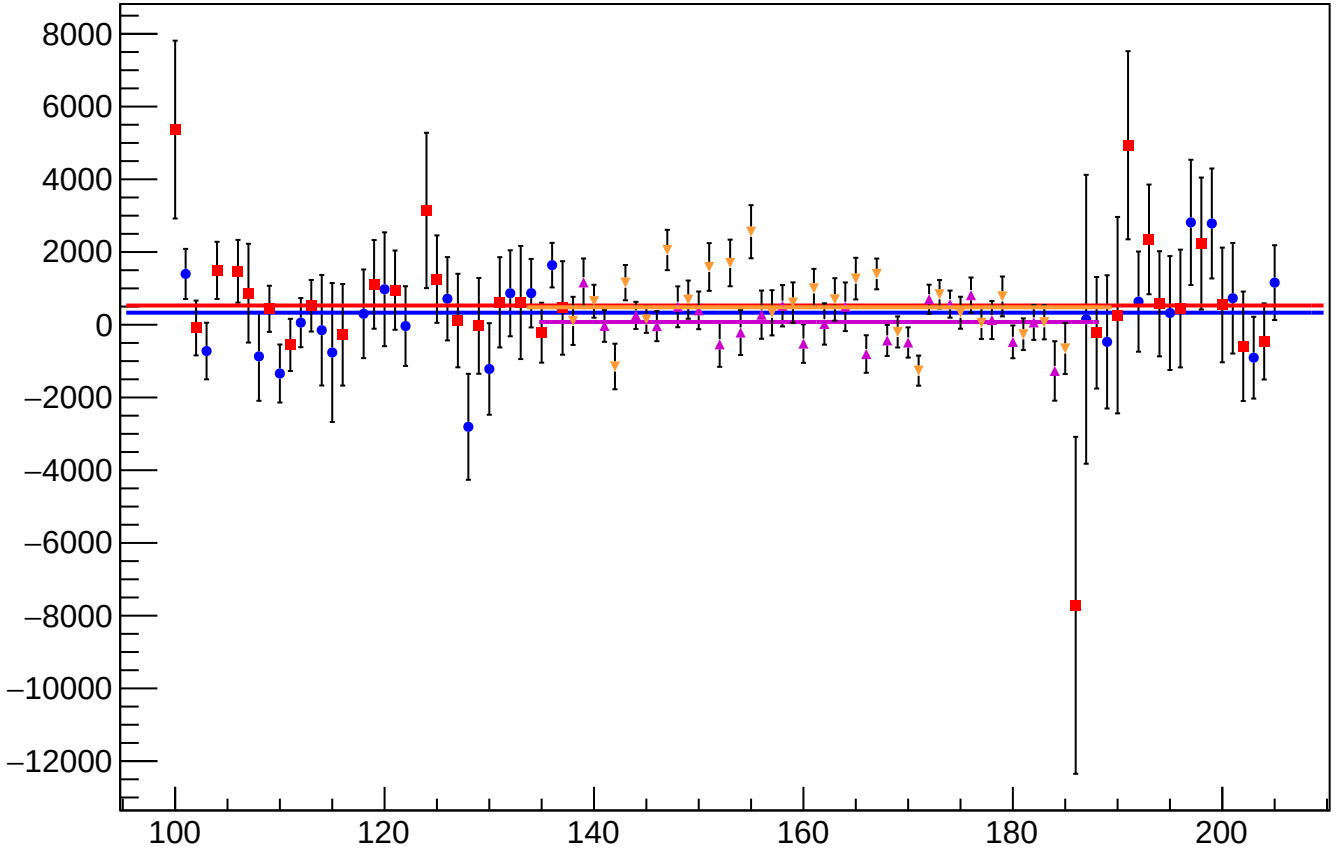
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.526+/-0.007 χ^2/NDF: 2878390.1/49

All: 53.031+/-0.005 χ^2/NDF: 6356872.3/102

- sign 53.556+/-0.007 χ^2/NDF: 3466544.1/52

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 529.457+/-207.487 χ^2/NDF: 23.4/29

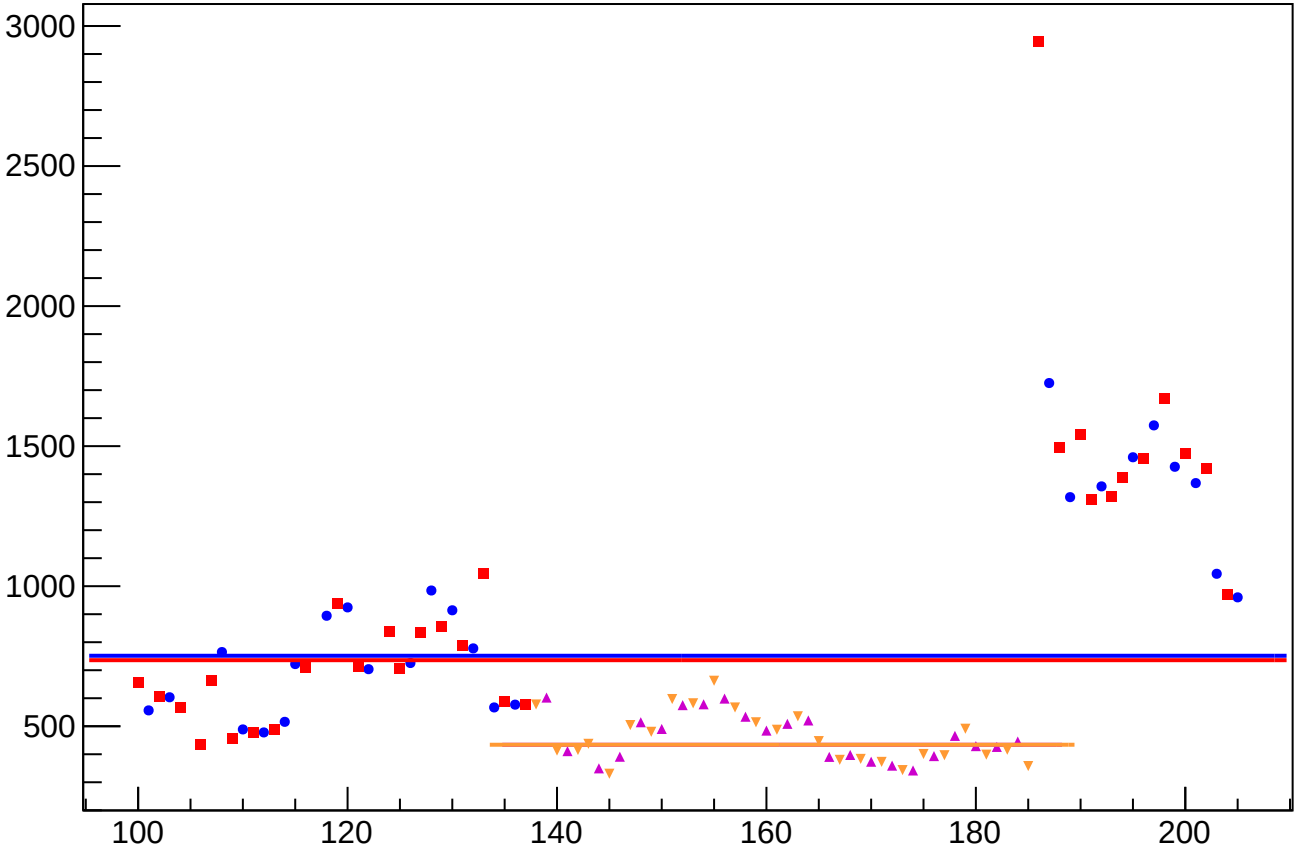
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 453.791+/-91.143 χ^2/NDF: 98.3/49

All: 311.573+/-64.870 χ^2/NDF: 155.0/102

- sign 165.563+/-92.350 χ^2/NDF: 51.7/52

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

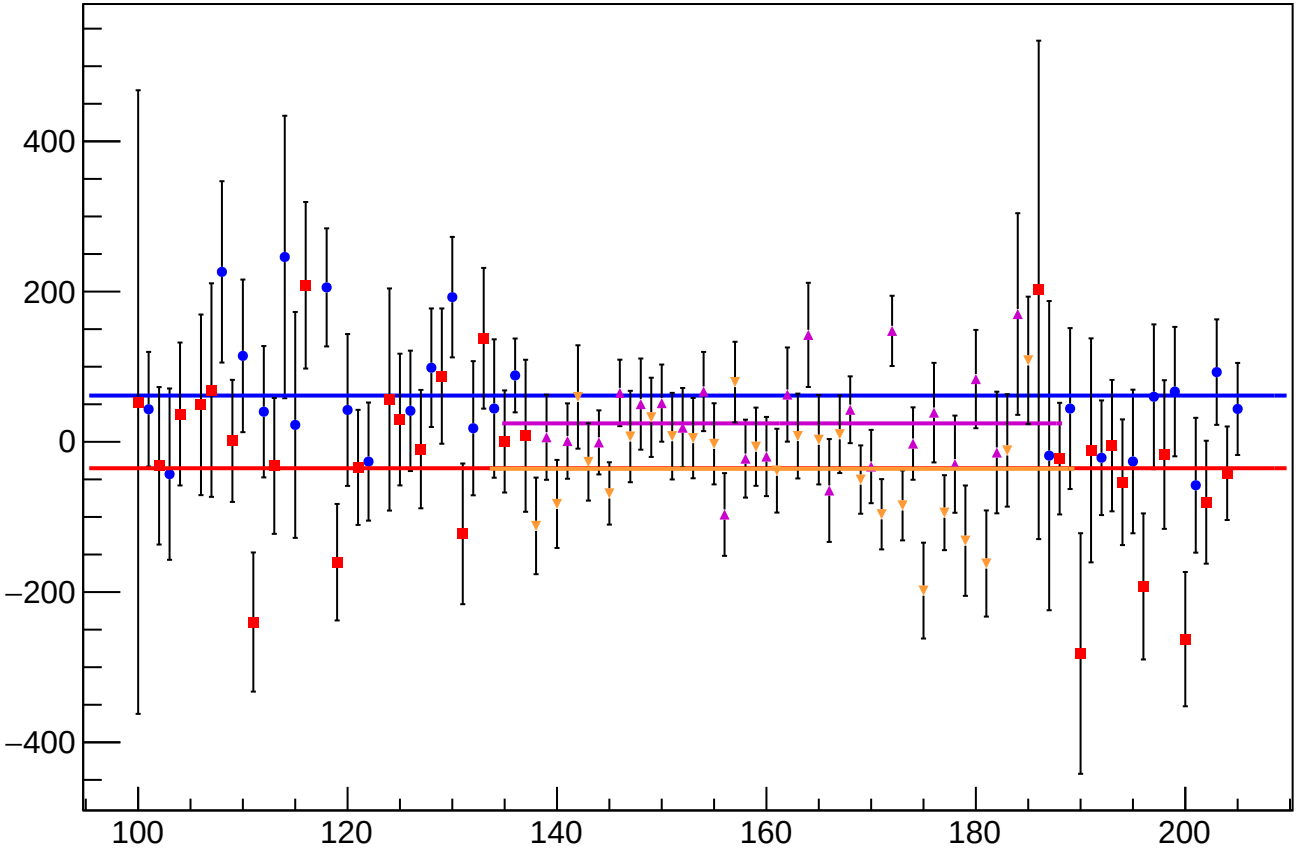
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 490.479+/-0.064 χ^2/NDF: 8513576.2/49

All: 492.003+/-0.046 χ^2/NDF: 18377890.8/10

- sign 493.569+/-0.065 χ^2/NDF: 9863180.0/52

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -35.134+/-17.085 χ^2/NDF: 34.3/29

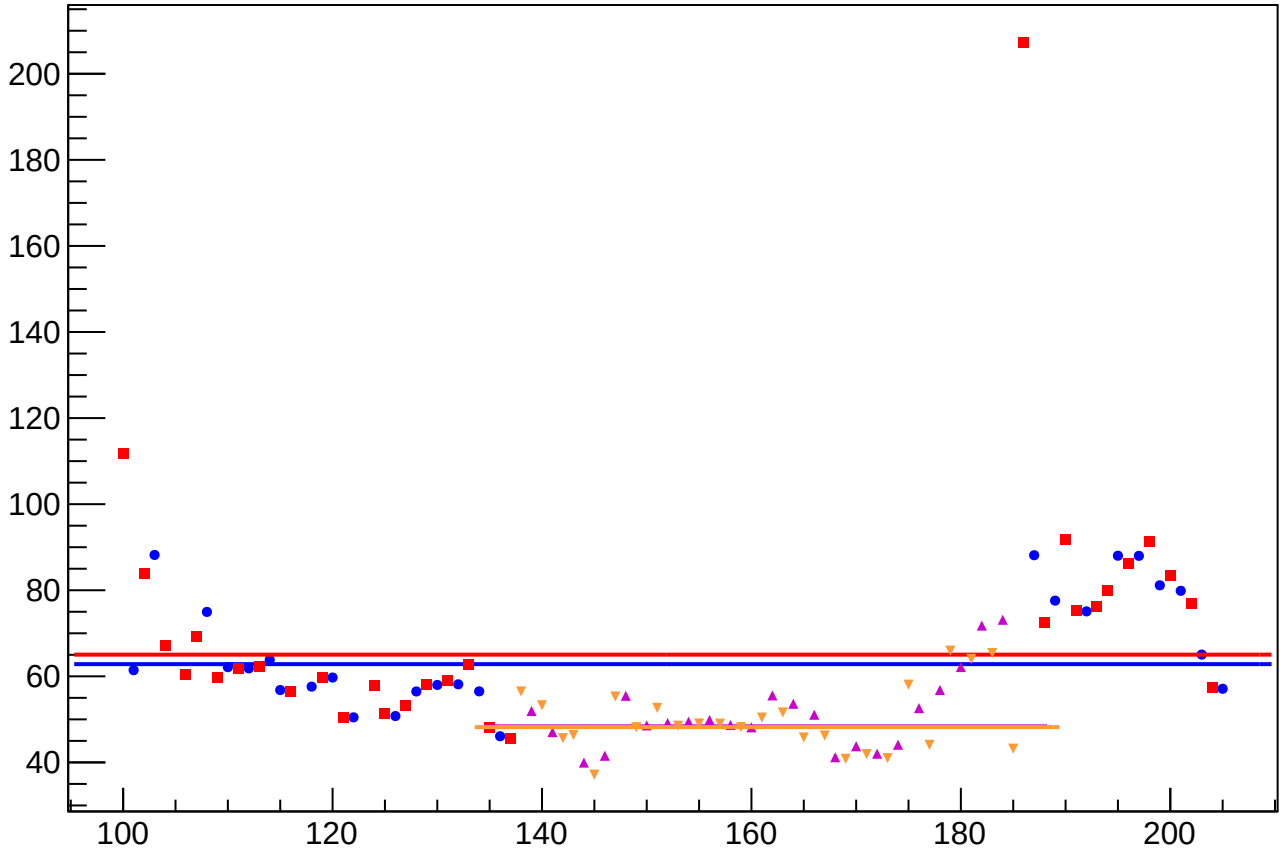
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.992+/-9.331 χ^2/NDF: 72.9/49

All: -0.618+/-6.665 χ^2/NDF: 142.4/102

- sign 6.021+/-9.524 χ^2/NDF: 68.5/52

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

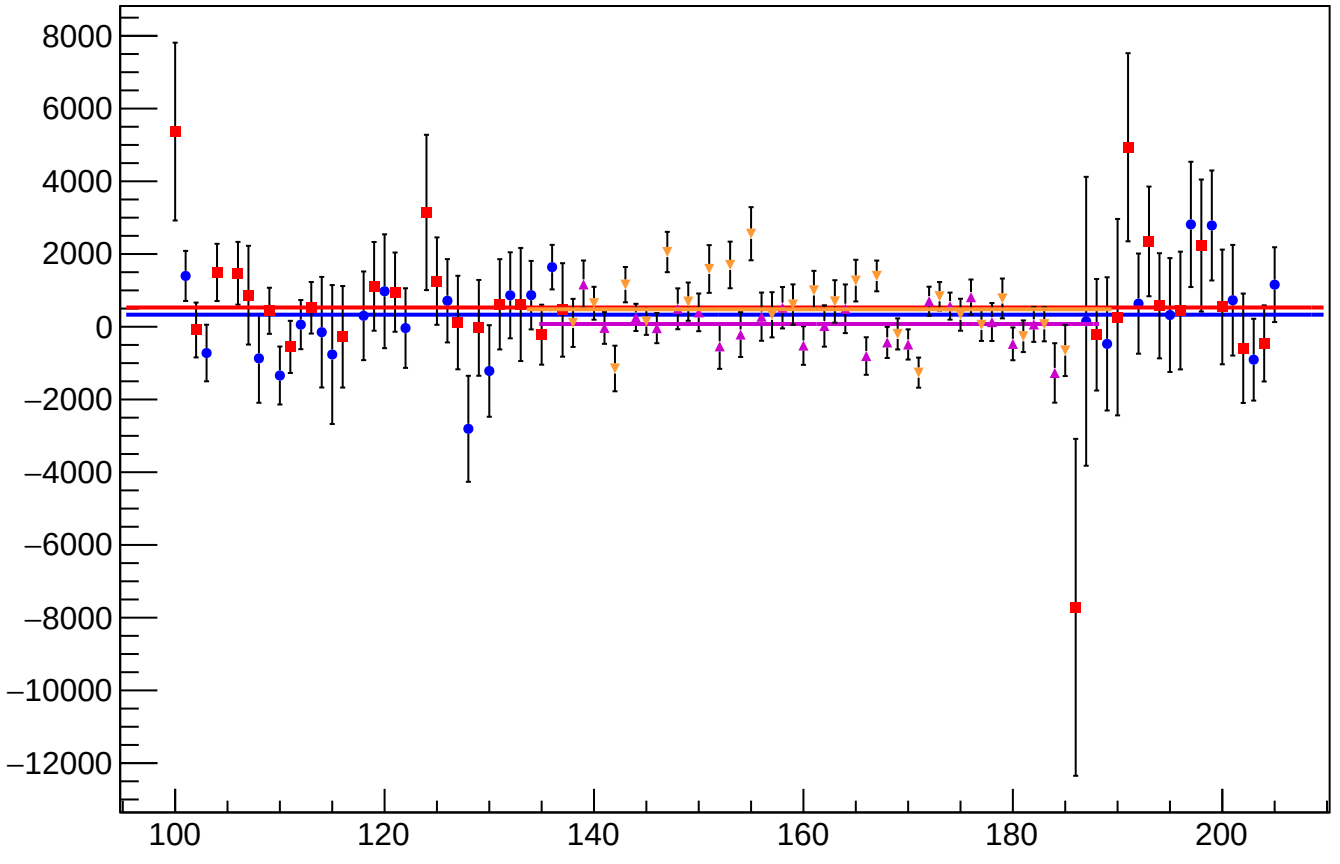
Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.526+/-0.007 χ^2/NDF: 2878390.1/49

All: 53.031+/-0.005 χ^2/NDF: 6356872.3/102

- sign 53.556+/-0.007 χ^2/NDF: 3466544.1/52



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 529.457+/-207.487 χ^2/NDF: 23.4/29

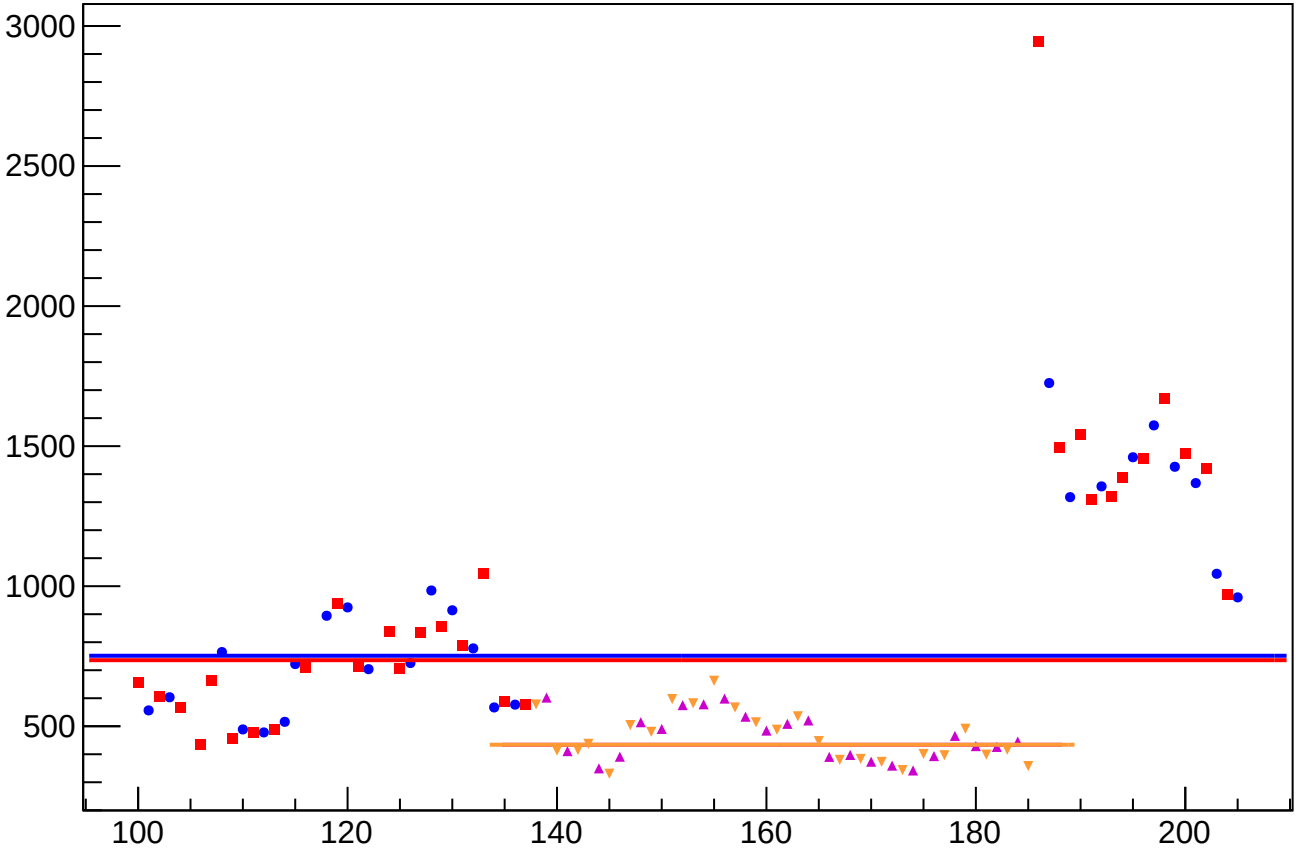
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 453.791+/-91.143 χ^2/NDF: 98.3/49

All: 311.573+/-64.870 χ^2/NDF: 155.0/102

- sign 165.563+/-92.350 χ^2/NDF: 51.7/52

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

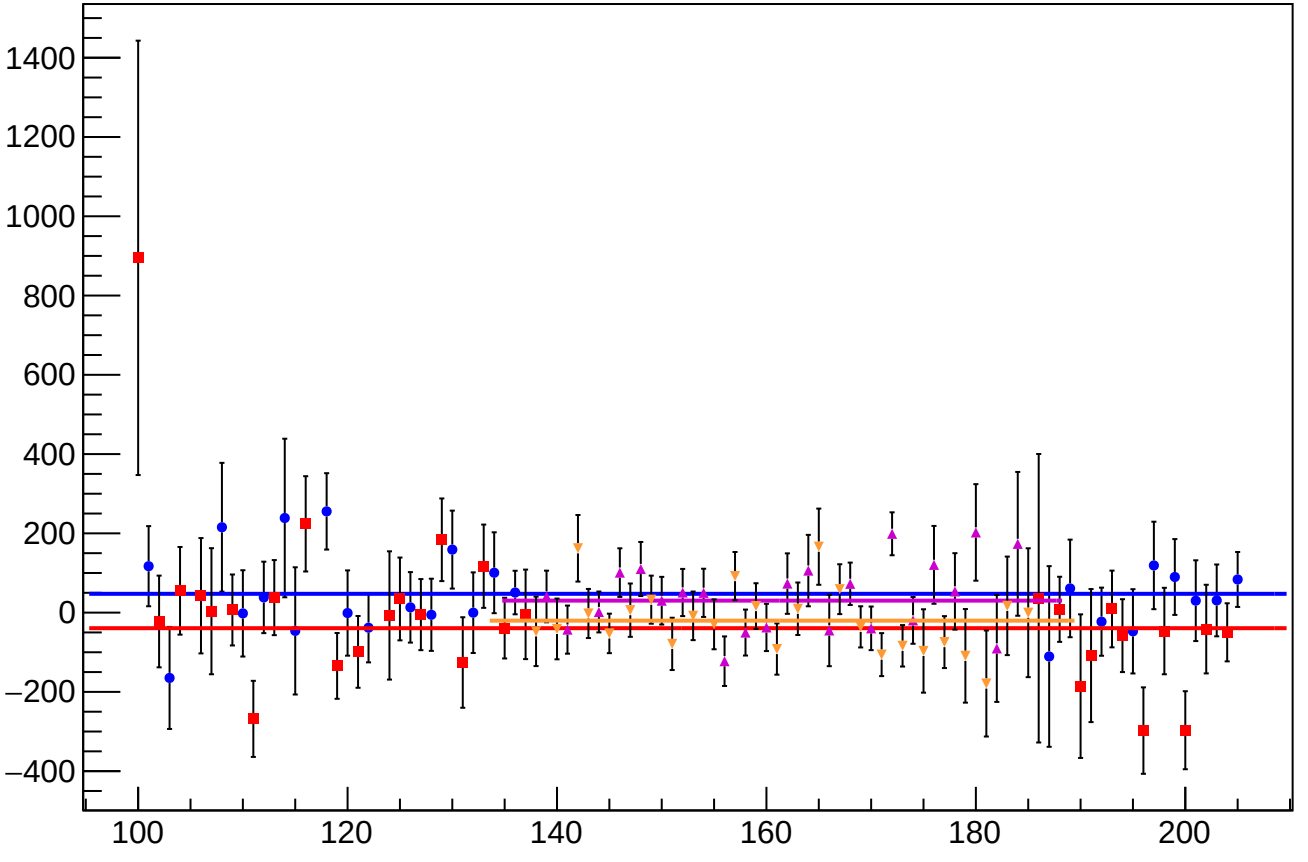
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 490.479+/-0.064 χ^2/NDF: 8513576.2/49

All: 492.003+/-0.046 χ^2/NDF: 18377890.8/10

- sign 493.569+/-0.065 χ^2/NDF: 9863180.0/52

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.450+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -39.276+/-19.337 χ^2/NDF: 39.3/29

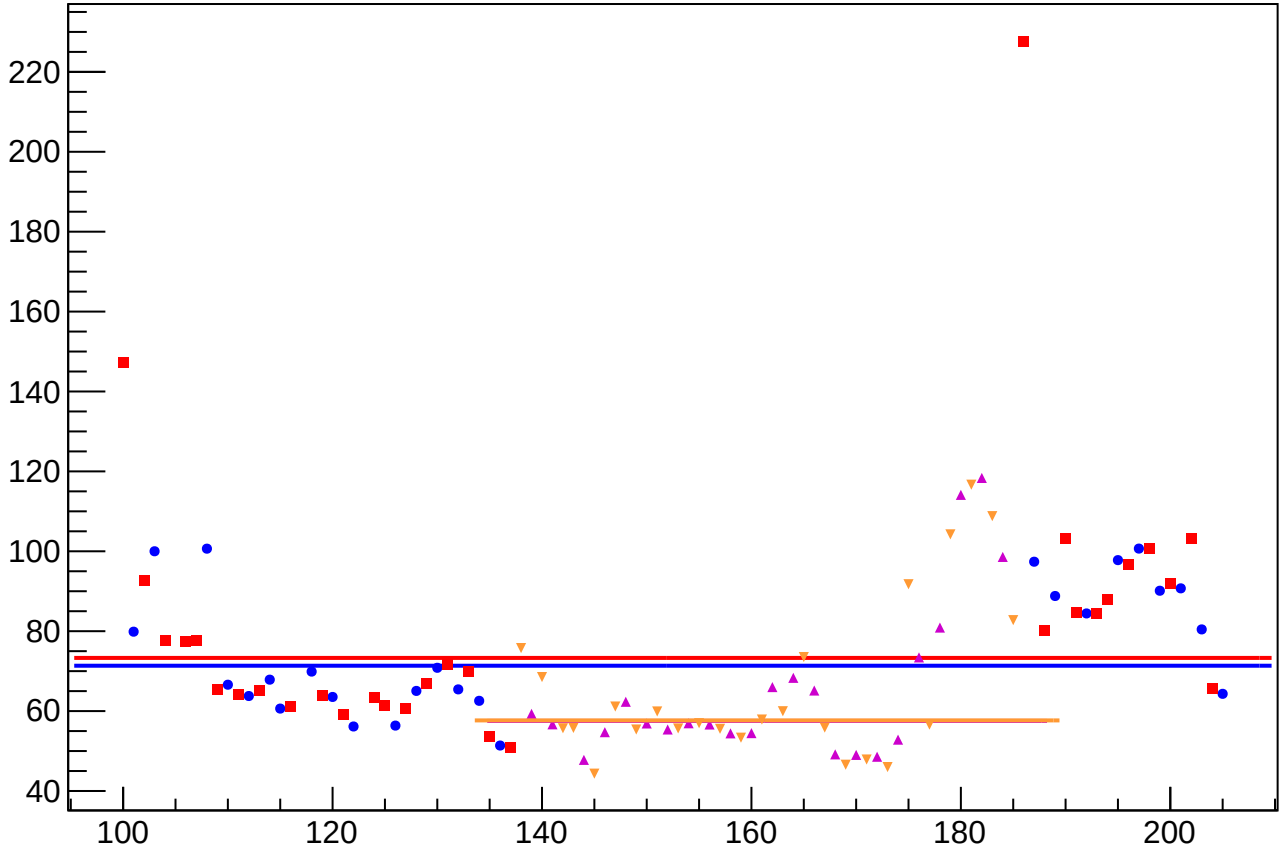
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 1.764+/-11.200 χ^2/NDF: 49.9/49

All: 4.071+/-7.965 χ^2/NDF: 130.4/102

- sign 6.431+/-11.329 χ^2/NDF: 80.4/52

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.356+/-0.014 χ^2/NDF: 1197727.6/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.311+/-0.014 χ^2/NDF: 1503576.6/29

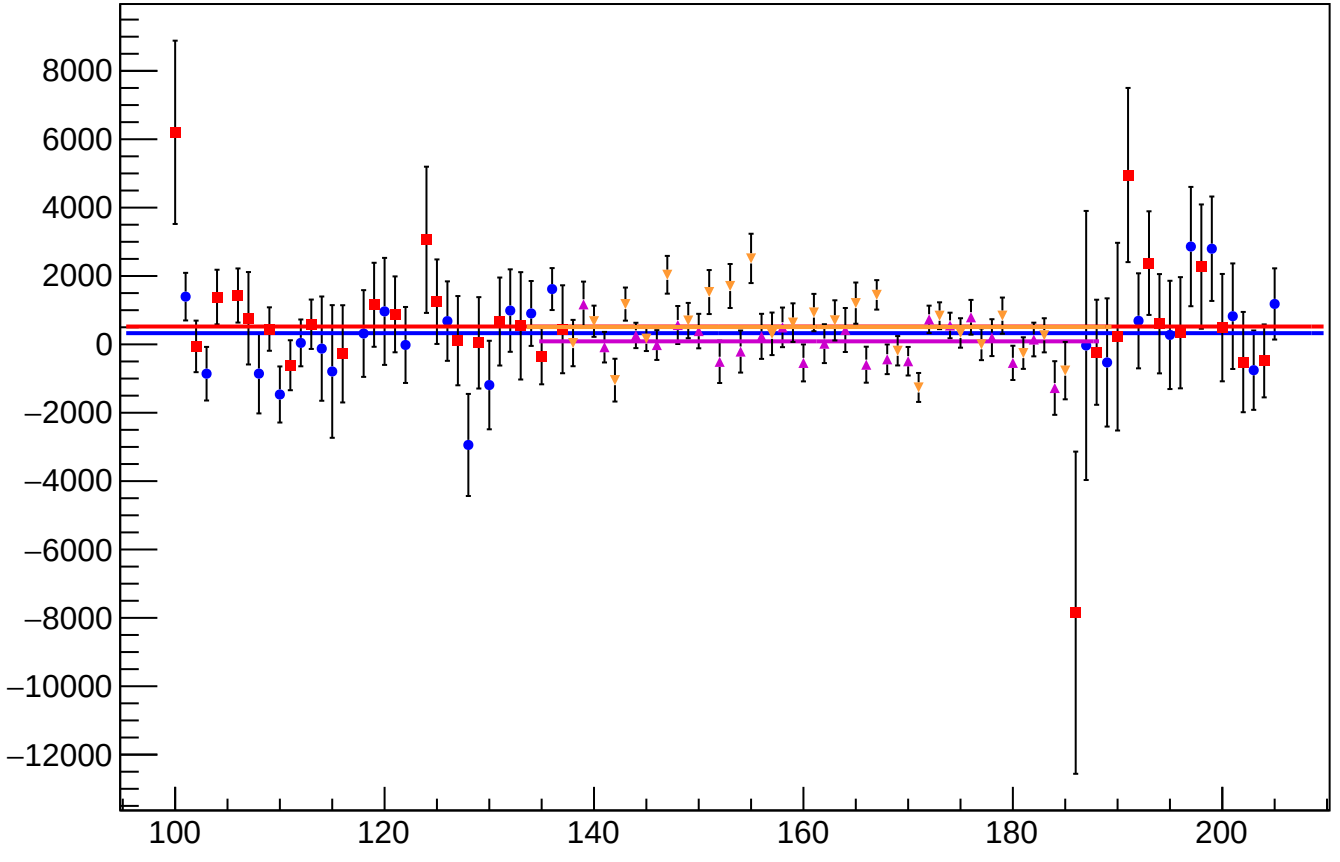
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.122+/-0.008 χ^2/NDF: 3763132.4/49

All: 62.532+/-0.006 χ^2/NDF: 7589215.3/102

- sign 62.953+/-0.008 χ^2/NDF: 3820644.1/52

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 327.826+/-218.579 χ^2/NDF: 29.3/24

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 522.102+/-208.285 χ^2/NDF: 24.1/29

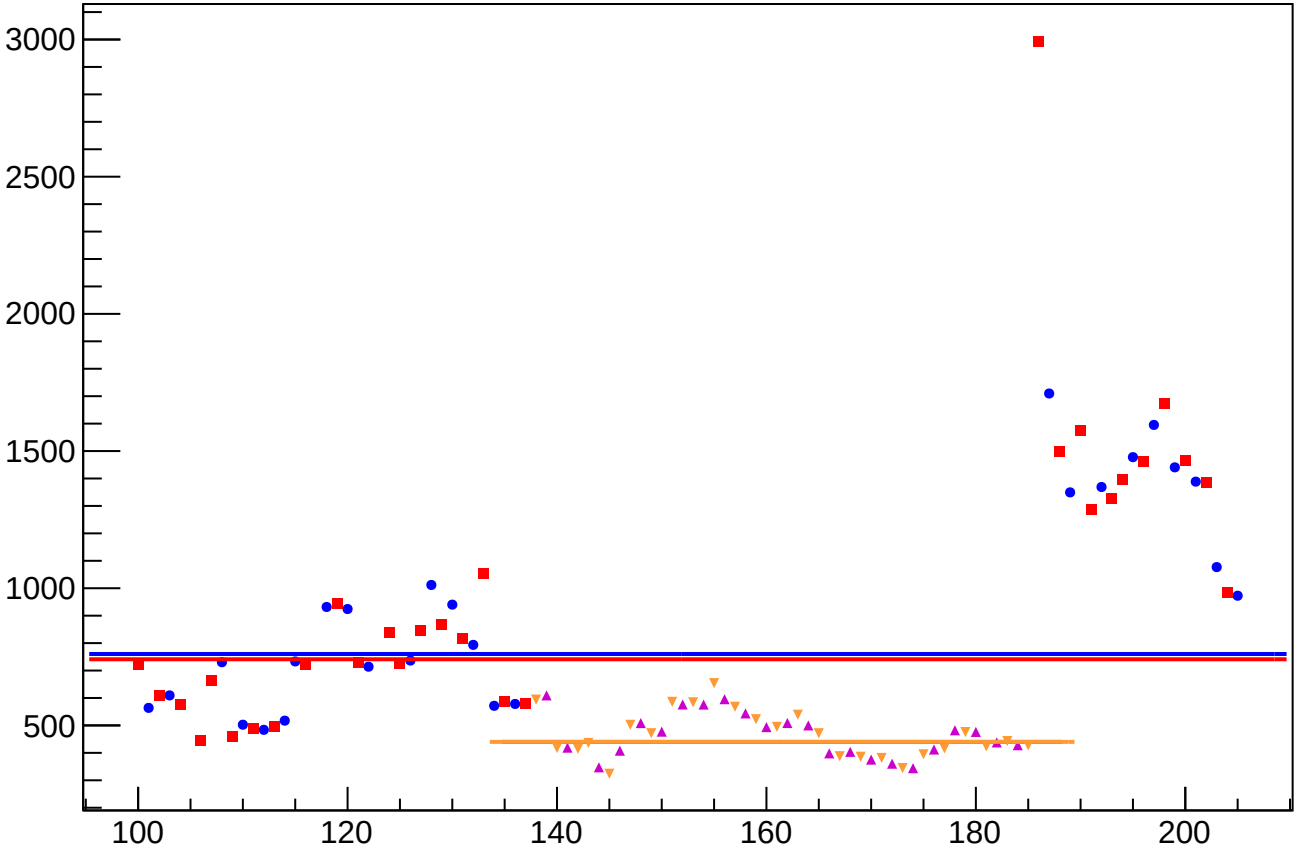
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 475.215+/-92.265 χ^2/NDF: 95.7/49

All: 327.357+/-65.650 χ^2/NDF: 151.8/102

- sign 175.730+/-93.433 χ^2/NDF: 50.8/52

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 760.379+/-0.155 χ^2/NDF: 3750033.6/24

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 741.131+/-0.147 χ^2/NDF: 5340032.9/29

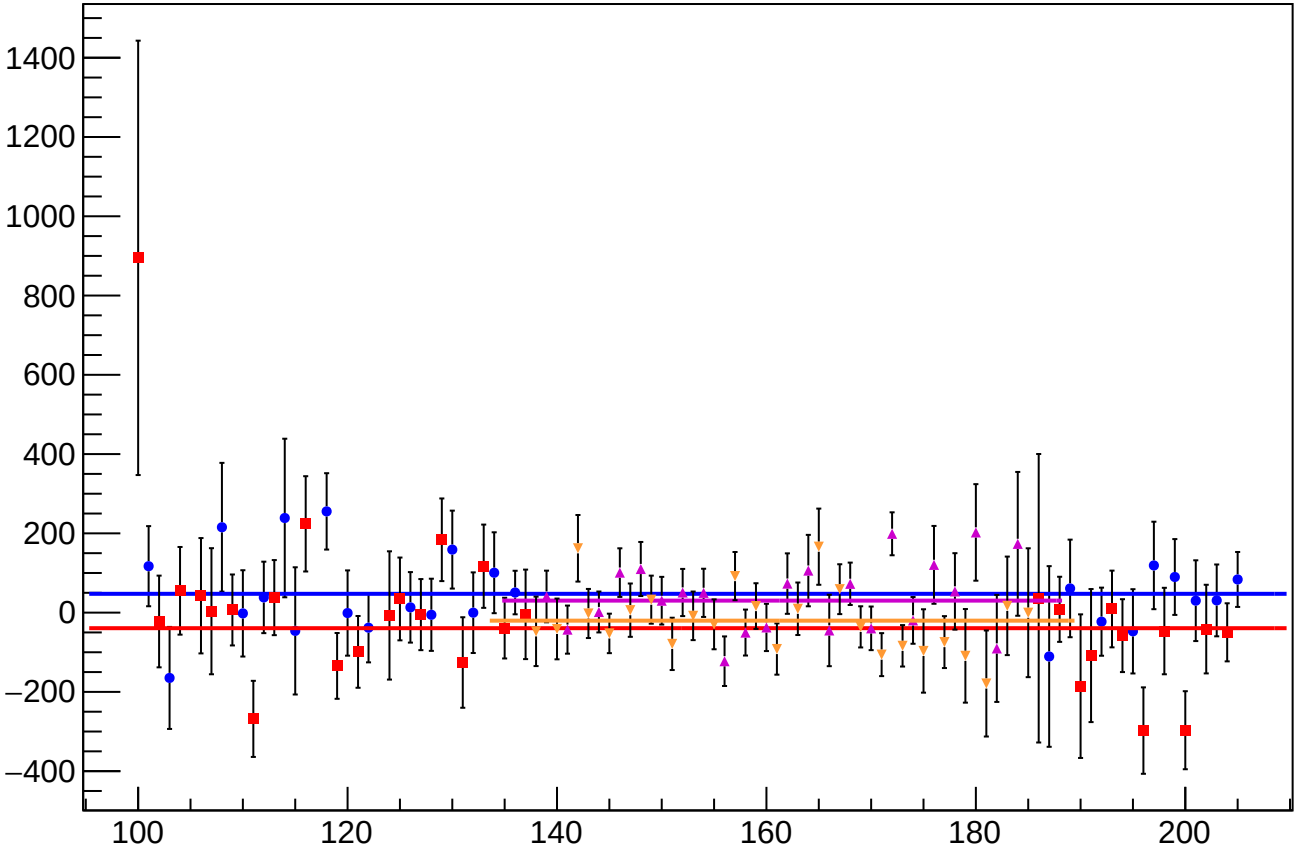
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 497.146+/-0.065 χ^2/NDF: 8476541.5/49

All: 498.801+/-0.046 χ^2/NDF: 18221773.7/10

- sign 500.498+/-0.066 χ^2/NDF: 9743929.6/52

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.448+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -39.276+/-19.337 χ^2/NDF: 39.3/29

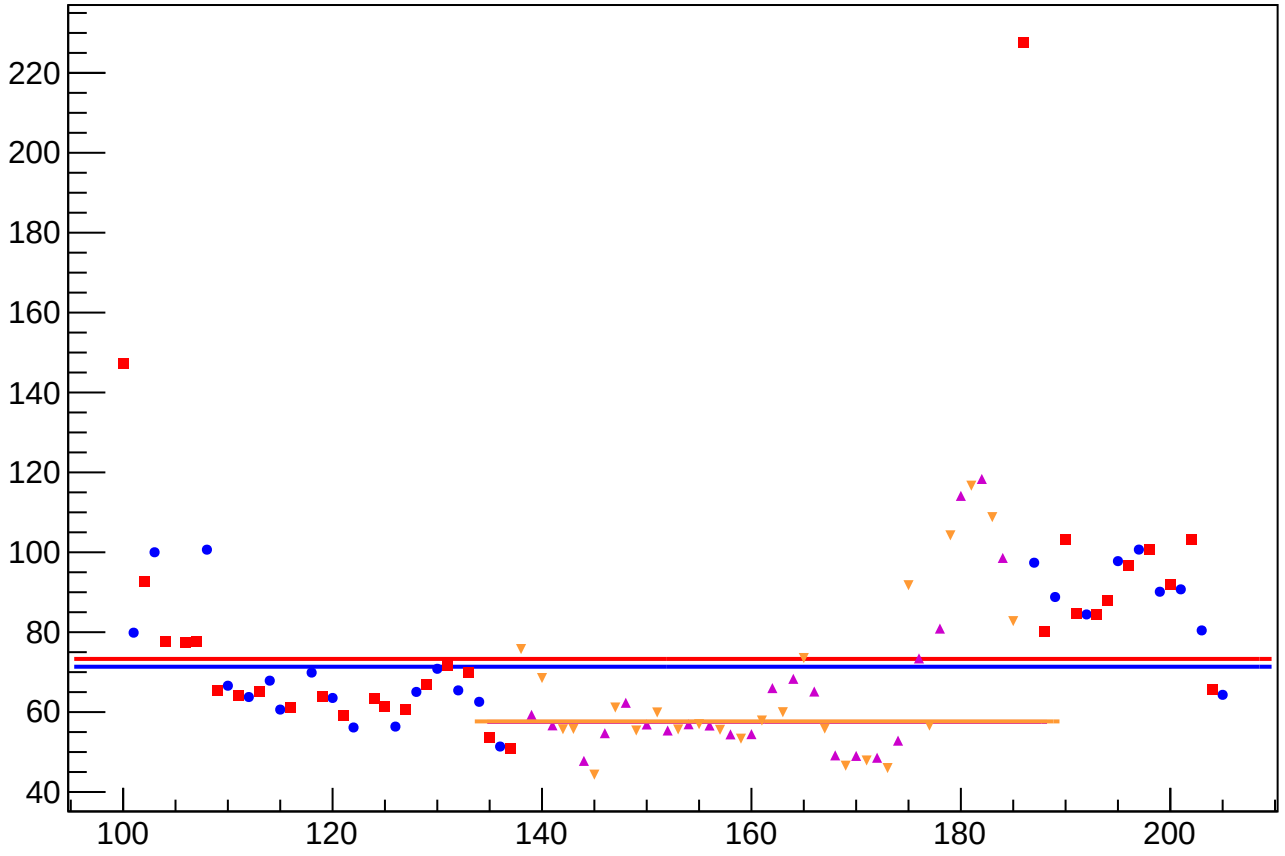
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 1.764+/-11.200 χ^2/NDF: 49.9/49

All: 4.071+/-7.965 χ^2/NDF: 130.4/102

- sign 6.431+/-11.329 χ^2/NDF: 80.4/52

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.356+/-0.014 χ^2/NDF: 1197716.5/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

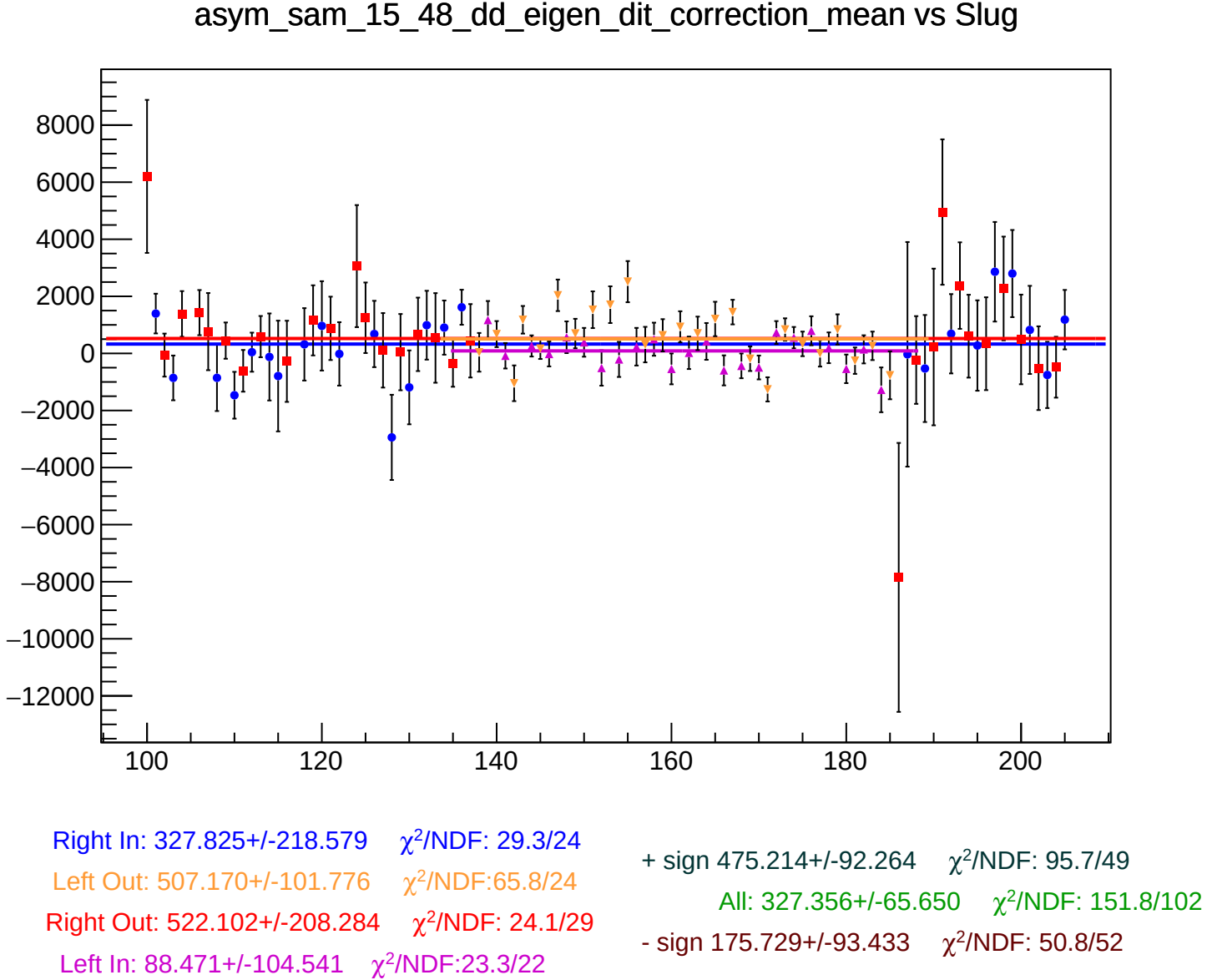
Right Out: 73.310+/-0.014 χ^2/NDF: 1503595.2/29

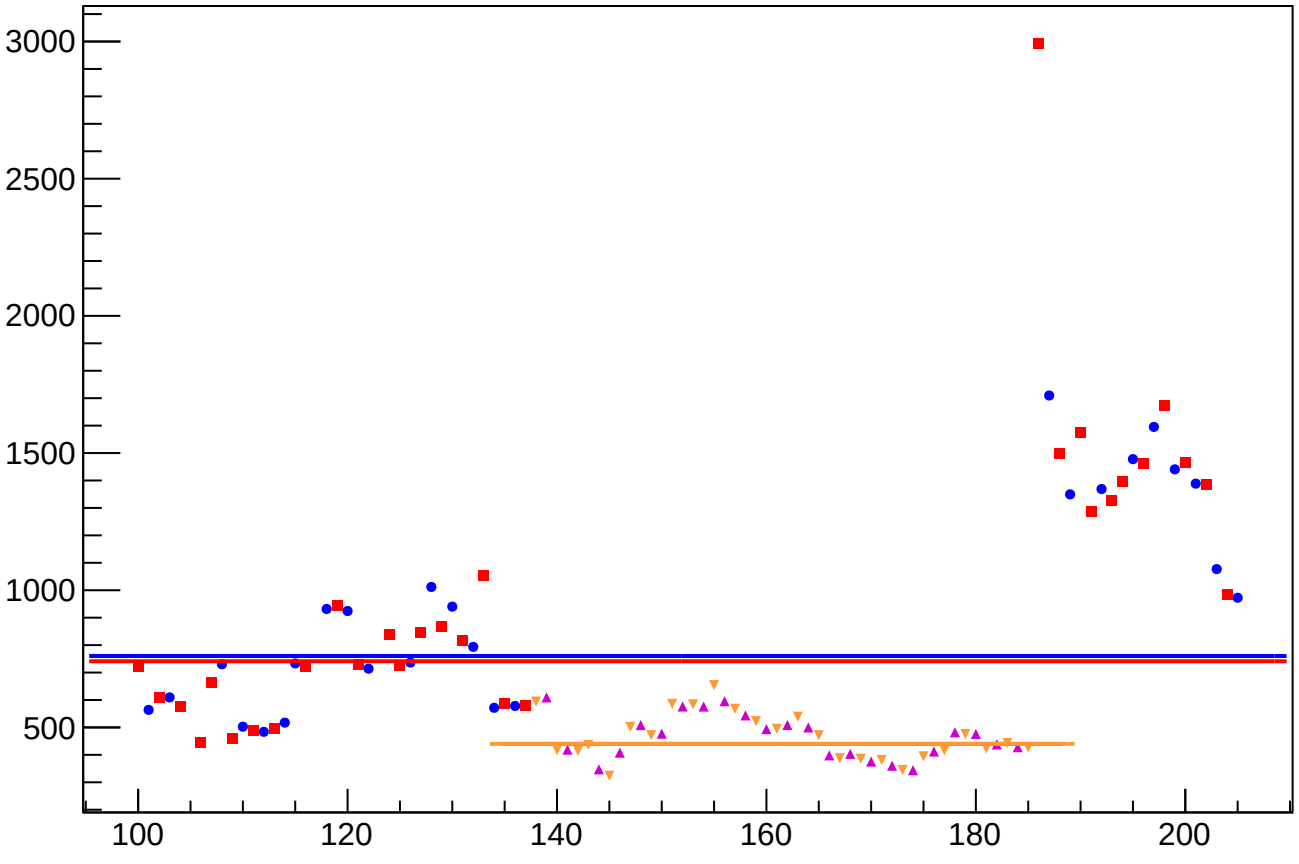
Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.122+/-0.008 χ^2/NDF: 3763095.5/49

All: 62.532+/-0.006 χ^2/NDF: 7589159.7/102

- sign 62.953+/-0.008 χ^2/NDF: 3820626.2/52


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 327.825+/-218.579 χ²/NDF: 29.3/24
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 522.102+/-208.284 χ²/NDF: 24.1/29
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 475.214+/-92.264 χ²/NDF: 95.7/49
All: 327.356+/-65.650 χ²/NDF: 151.8/102
- sign 175.729+/-93.433 χ²/NDF: 50.8/52



Right In: 760.378+/-0.155 χ^2/NDF: 3750036.0/24

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 741.130+/-0.147 χ^2/NDF: 5340034.3/29

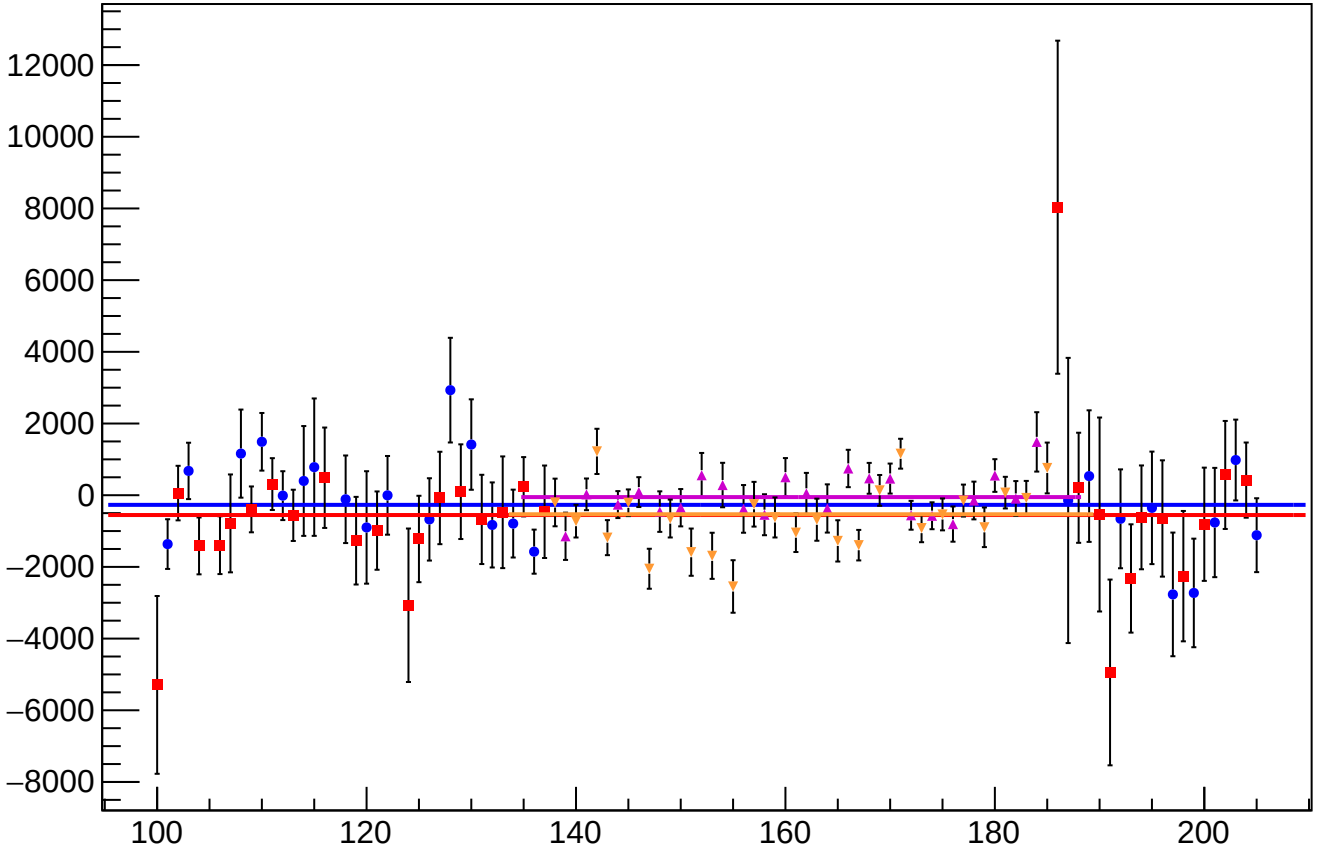
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 497.145+/-0.065 χ^2/NDF: 8476565.2/49

All: 498.800+/-0.046 χ^2/NDF: 18221821.6/10

- sign 500.496+/-0.066 χ^2/NDF: 9743953.9/52

asym_sam_15_48_dd_mean vs Slug



Right In: -269.113+/-217.114 χ^2/NDF: 29.7/24

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -552.940+/-207.652 χ^2/NDF: 22.4/29

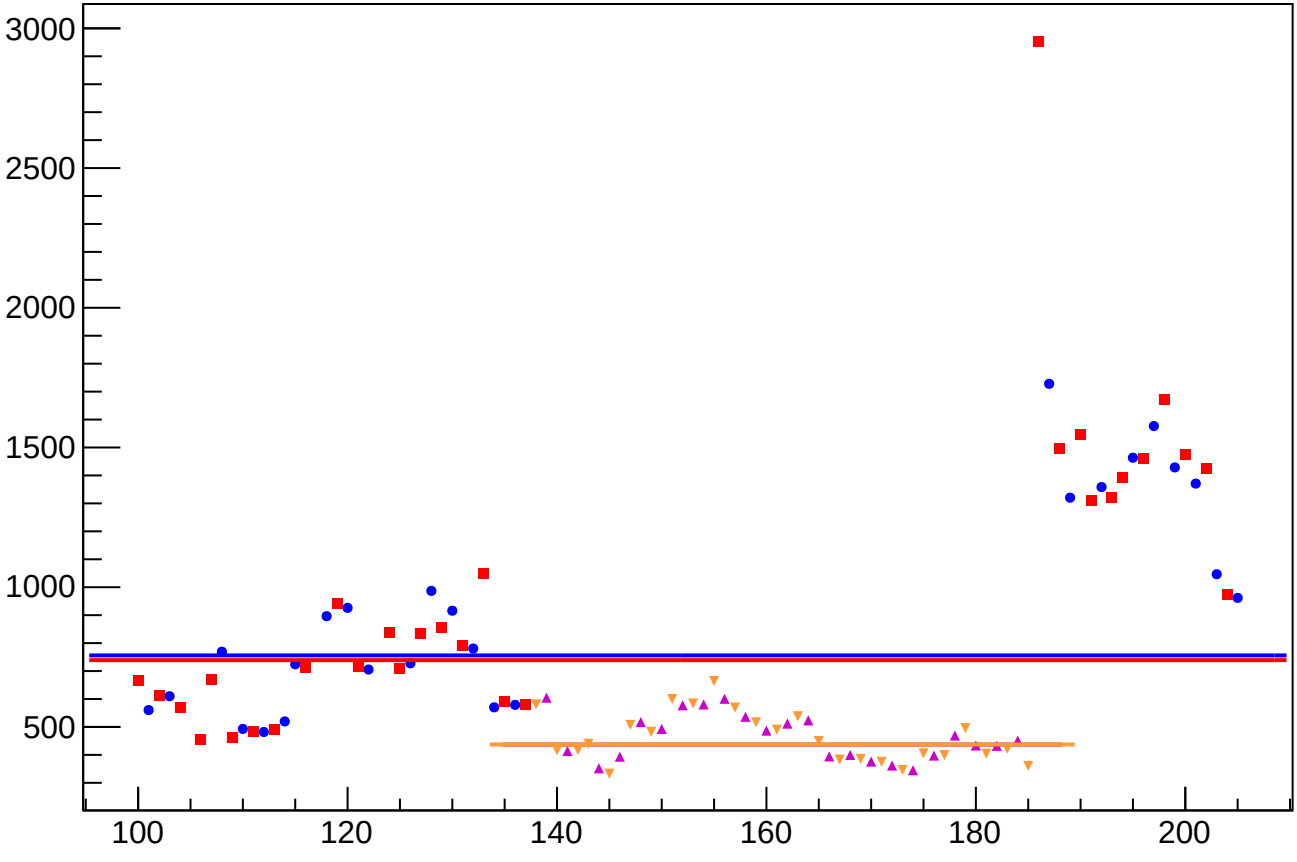
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -484.690+/-91.759 χ^2/NDF: 96.5/49

All: -320.740+/-65.282 χ^2/NDF: 154.0/102

- sign -152.699+/-92.896 χ^2/NDF: 51.1/52

asym_sam_15_48_dd_rms vs Slug



Right In: 755.927+/-0.154 χ^2/NDF: 3677314.5/24

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

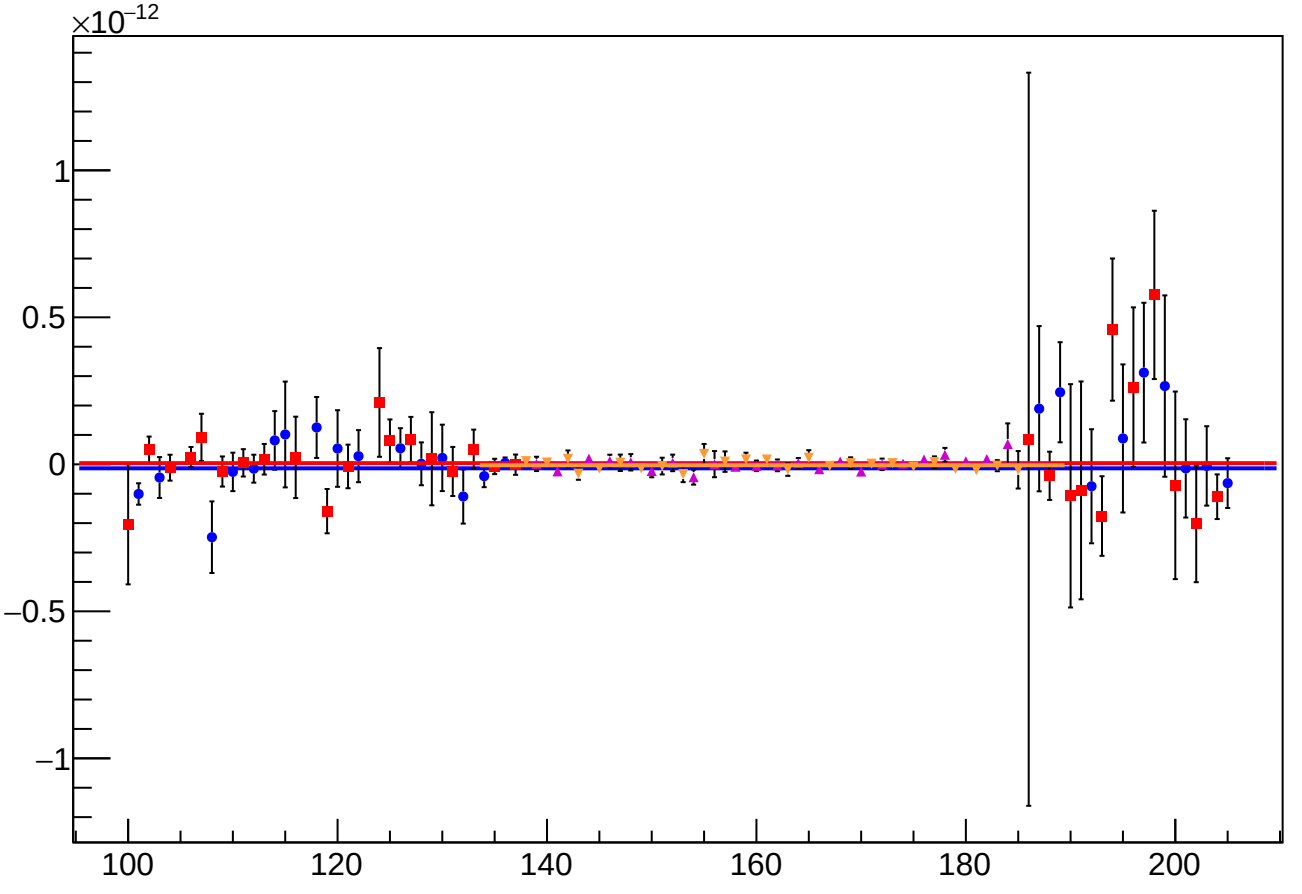
Right Out: 738.995+/-0.147 χ^2/NDF: 5323249.7/29

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 494.094+/-0.065 χ^2/NDF: 8446017.6/49

All: 495.722+/-0.046 χ^2/NDF: 18235543.2/10

- sign 497.390+/-0.066 χ^2/NDF: 9788251.5/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

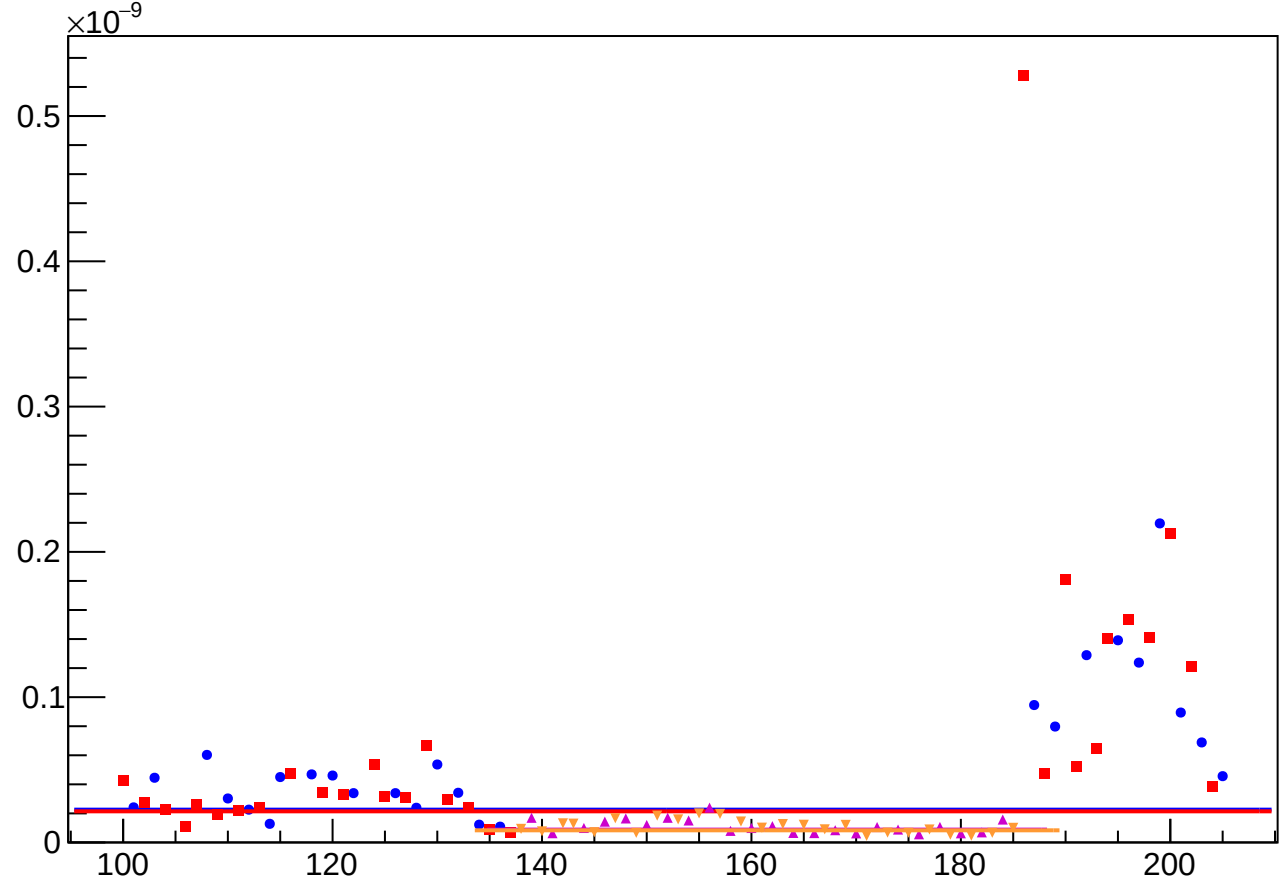
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/49

All: -0.000+/-0.000 χ^2/NDF: 87.8/102

- sign -0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 5125596.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5303142.5/29

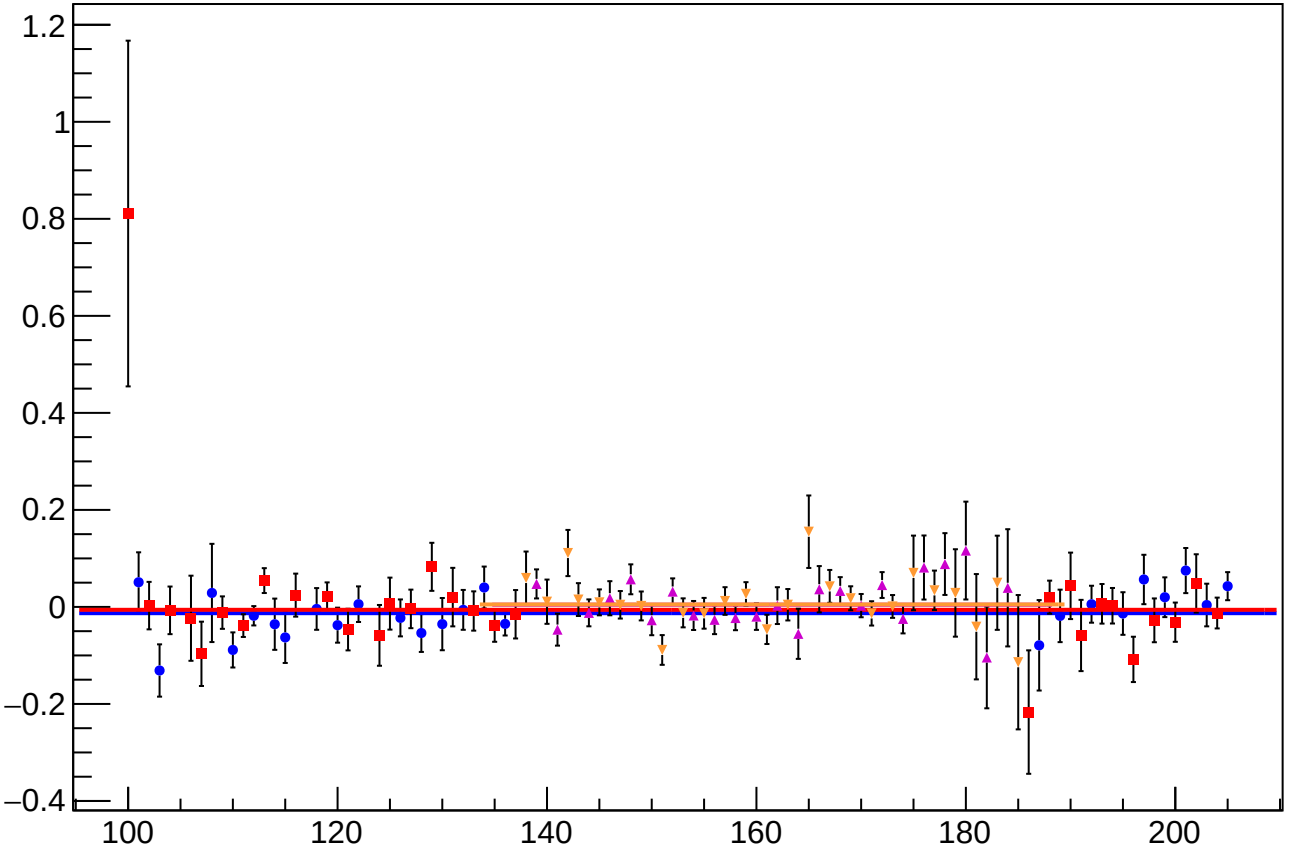
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9824589.2/49

All: 0.000+/-0.000 χ^2/NDF: 18890342.2/102

- sign 0.000+/-0.000 χ^2/NDF: 9037916.8/52

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

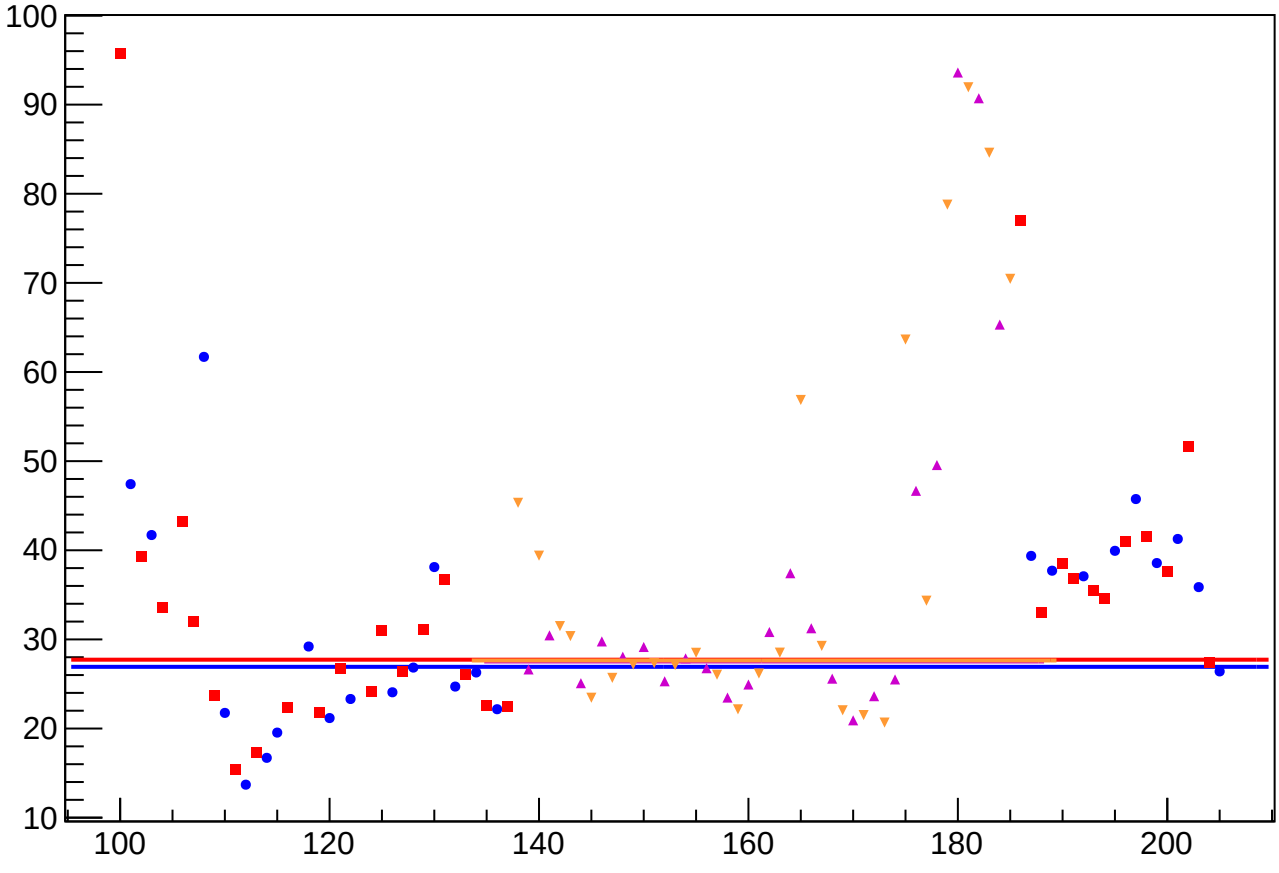
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

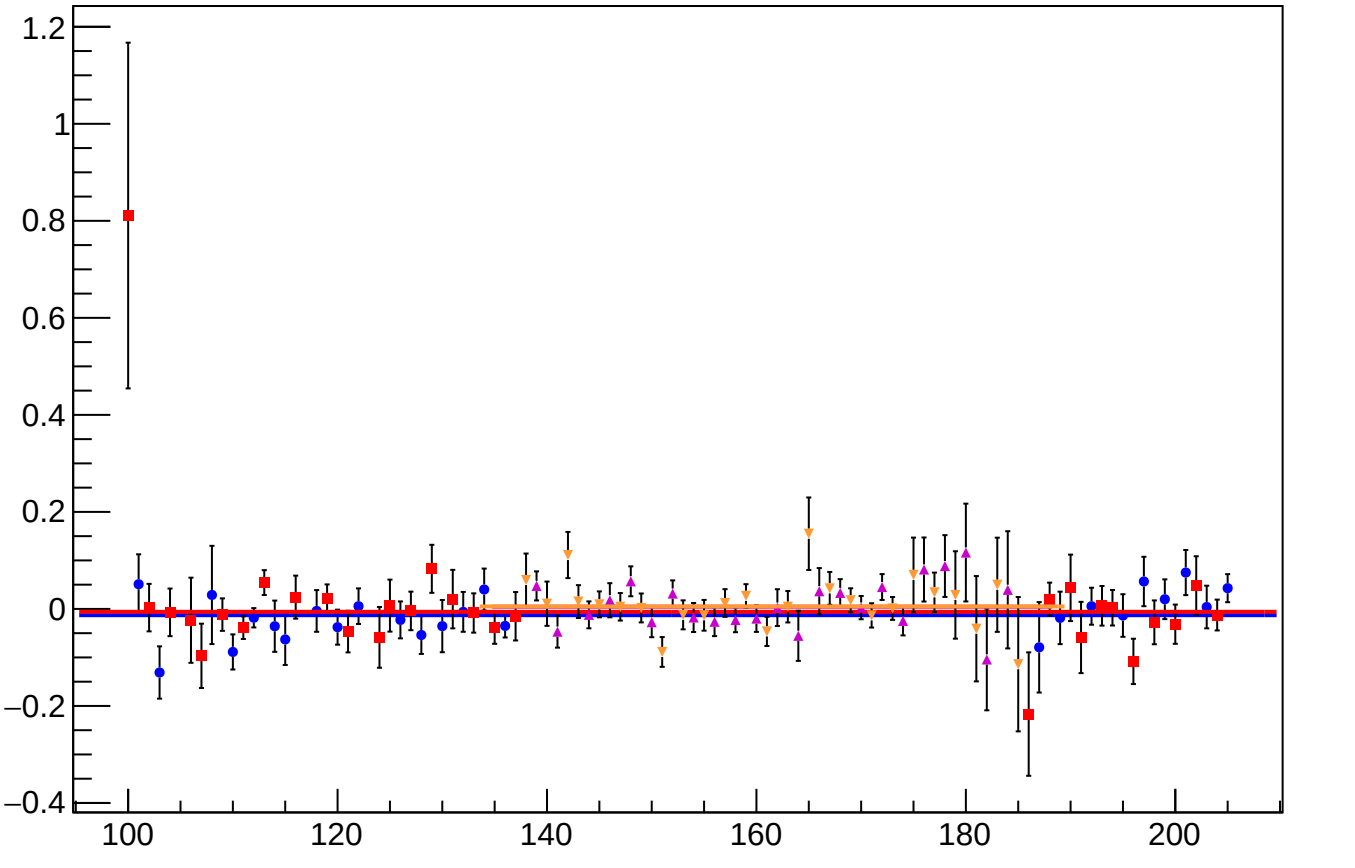
Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026820.6/49

All: 27.472+/-0.003 χ^2/NDF: 12484513.9/102

- sign 27.615+/-0.004 χ^2/NDF: 5454597.7/52



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

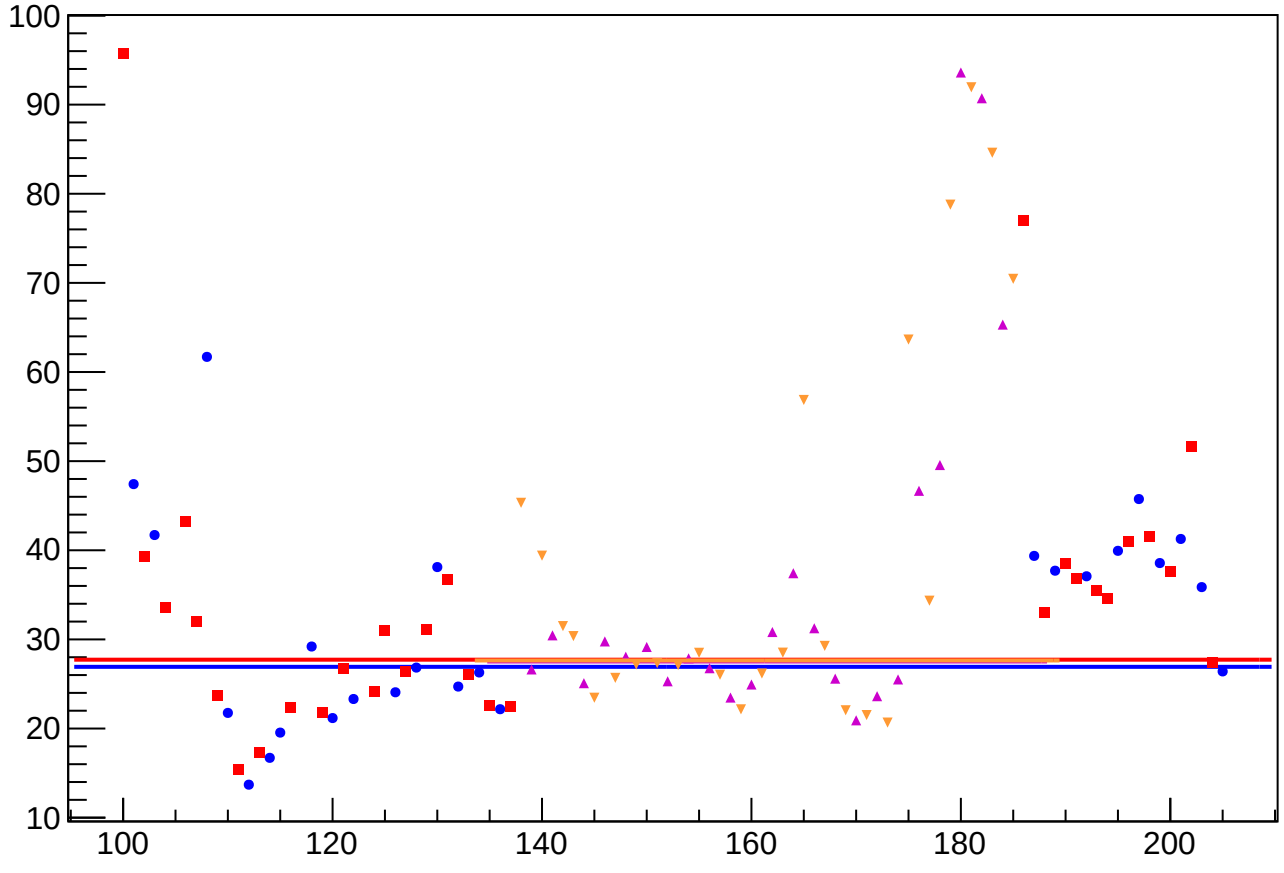
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

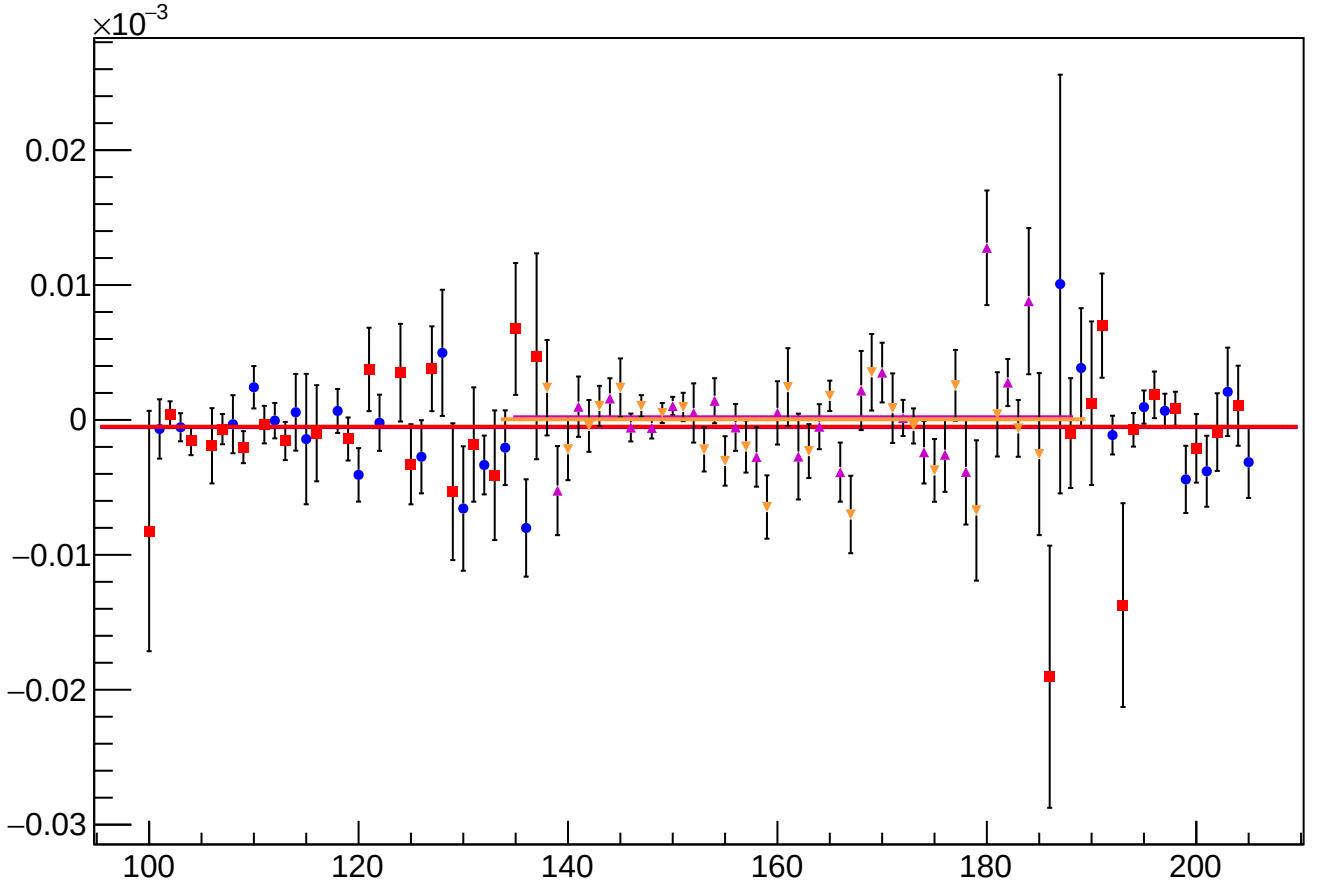
Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026820.6/49

All: 27.472+/-0.003 χ^2/NDF: 12484513.9/102

- sign 27.615+/-0.004 χ^2/NDF: 5454597.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

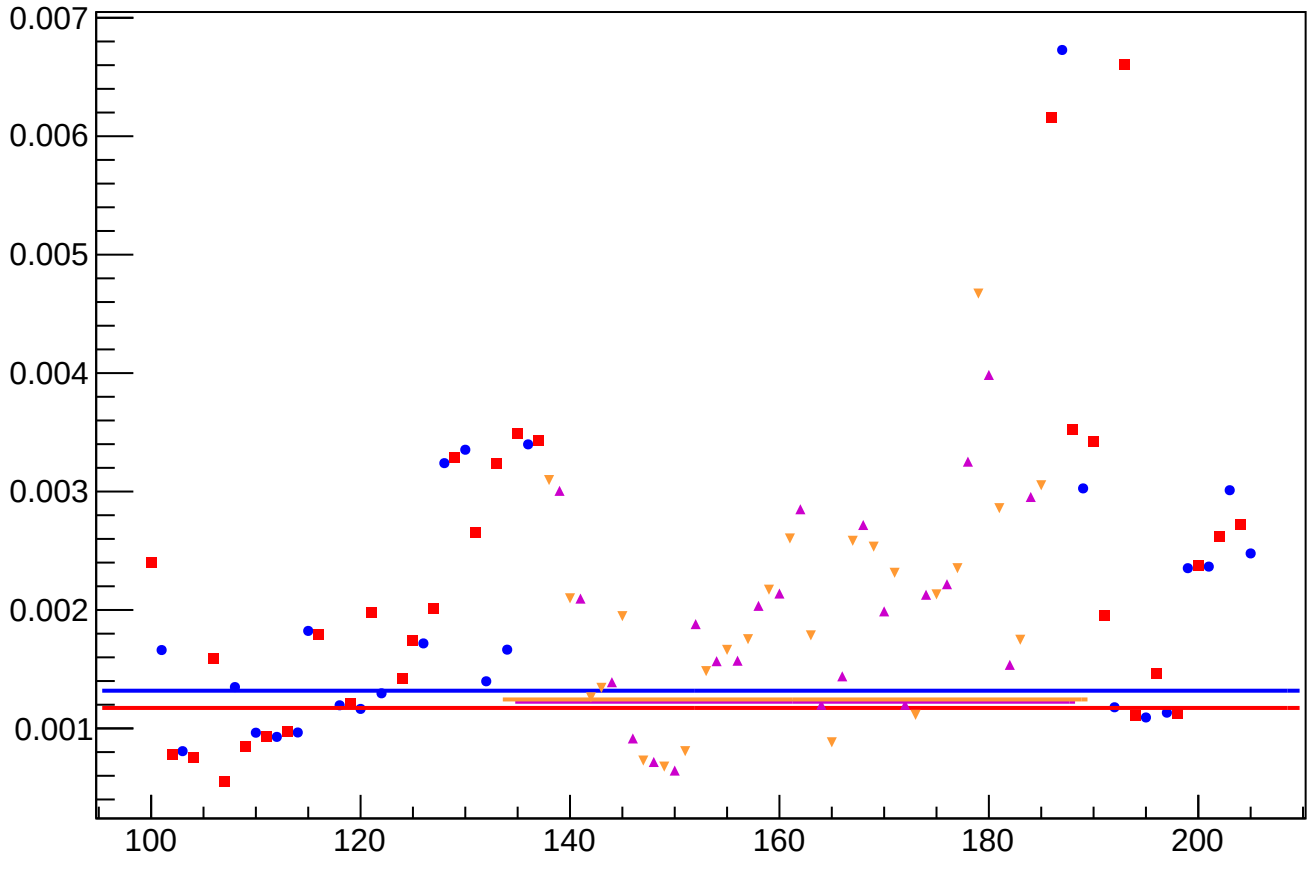
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.4/49

All: -0.000+/-0.000 χ^2/NDF: 130.6/102

- sign -0.000+/-0.000 χ^2/NDF: 65.2/52



Right In: 0.001+/-0.000 χ^2/NDF: 4600517.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

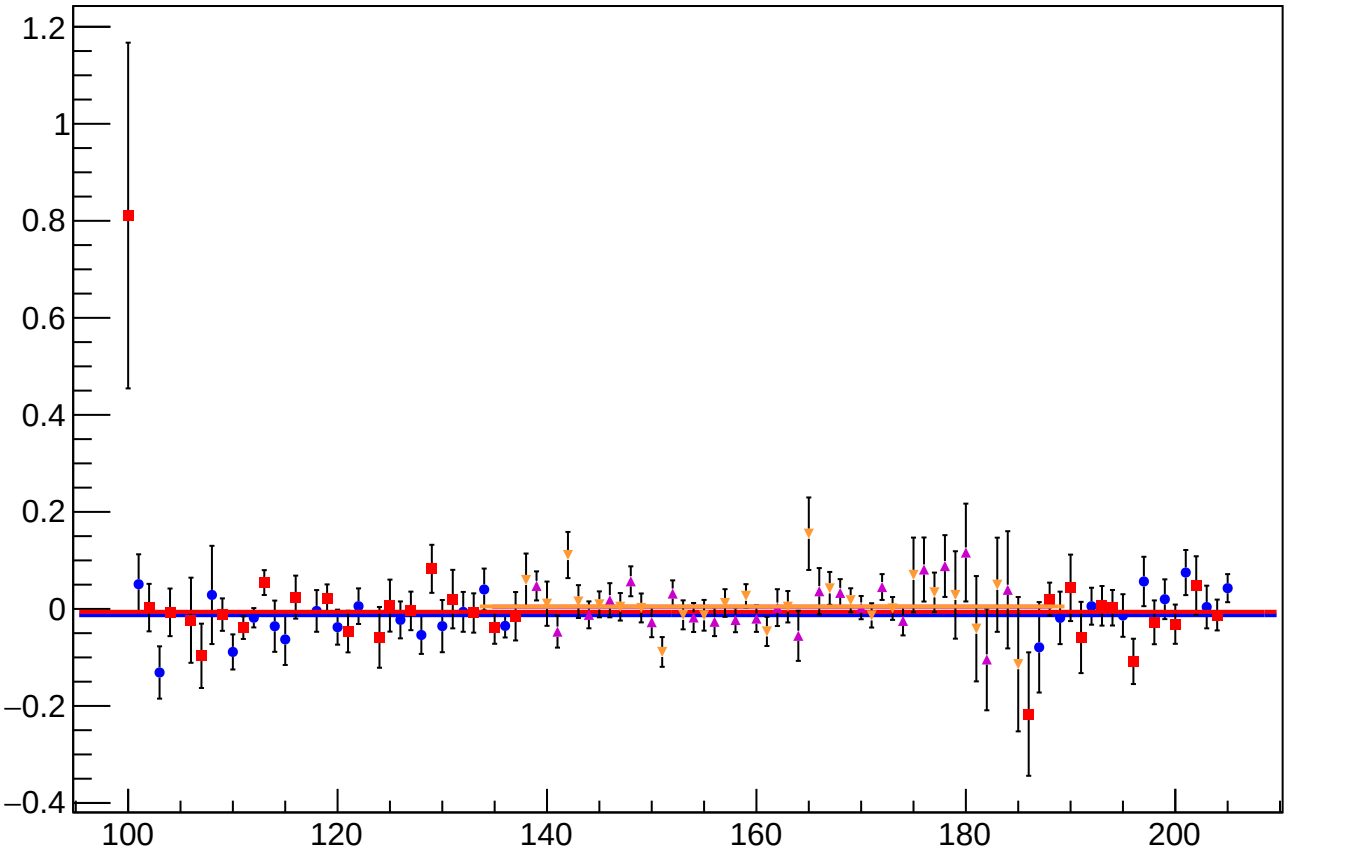
Right Out: 0.001+/-0.000 χ^2/NDF: 7759048.3/29

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12983075.1/49

All: 0.001+/-0.000 χ^2/NDF: 28676226.5/102

- sign 0.001+/-0.000 χ^2/NDF: 15605148.4/52



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

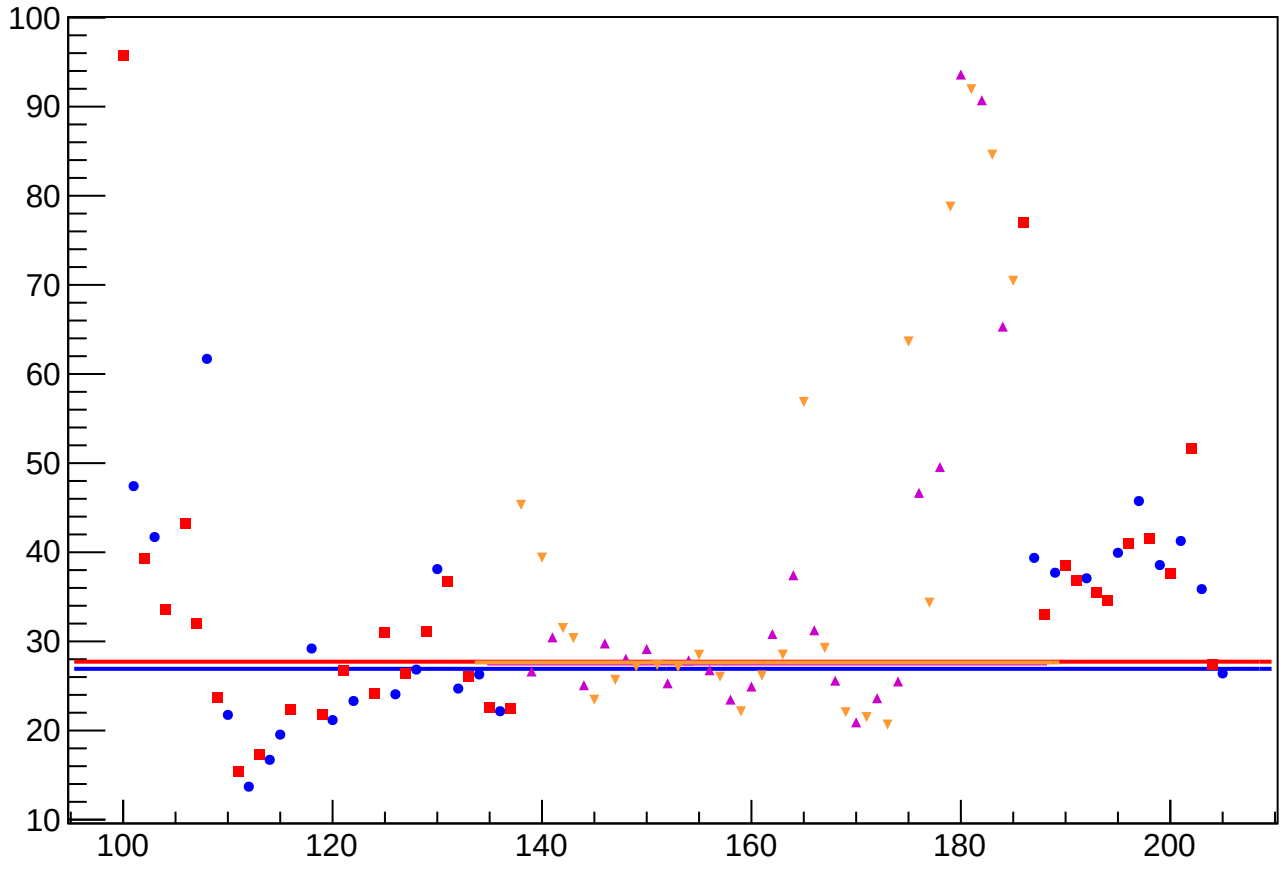
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

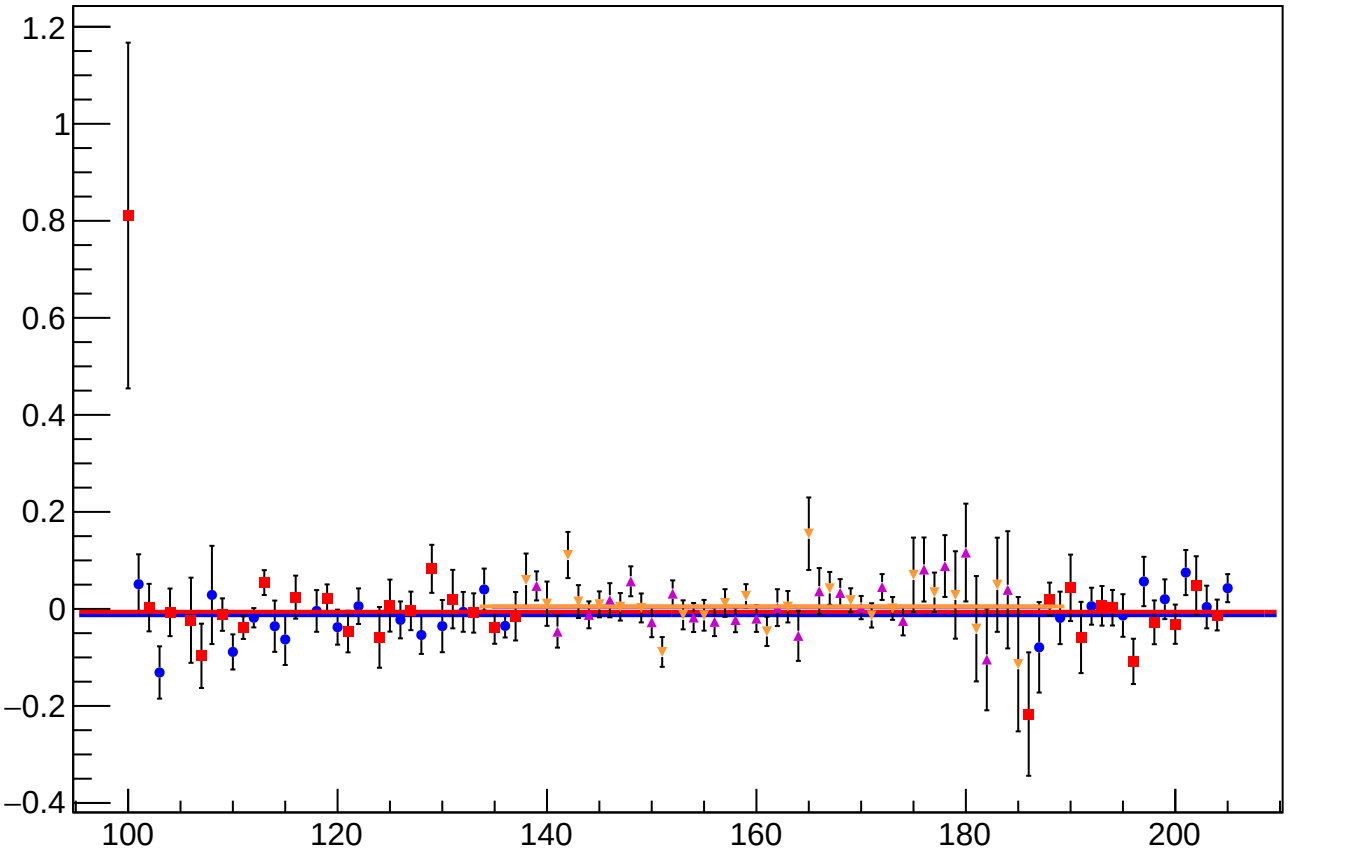
Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026771.5/49

All: 27.472+/-0.003 χ^2/NDF: 12484536.9/102

- sign 27.615+/-0.004 χ^2/NDF: 5454671.9/52



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

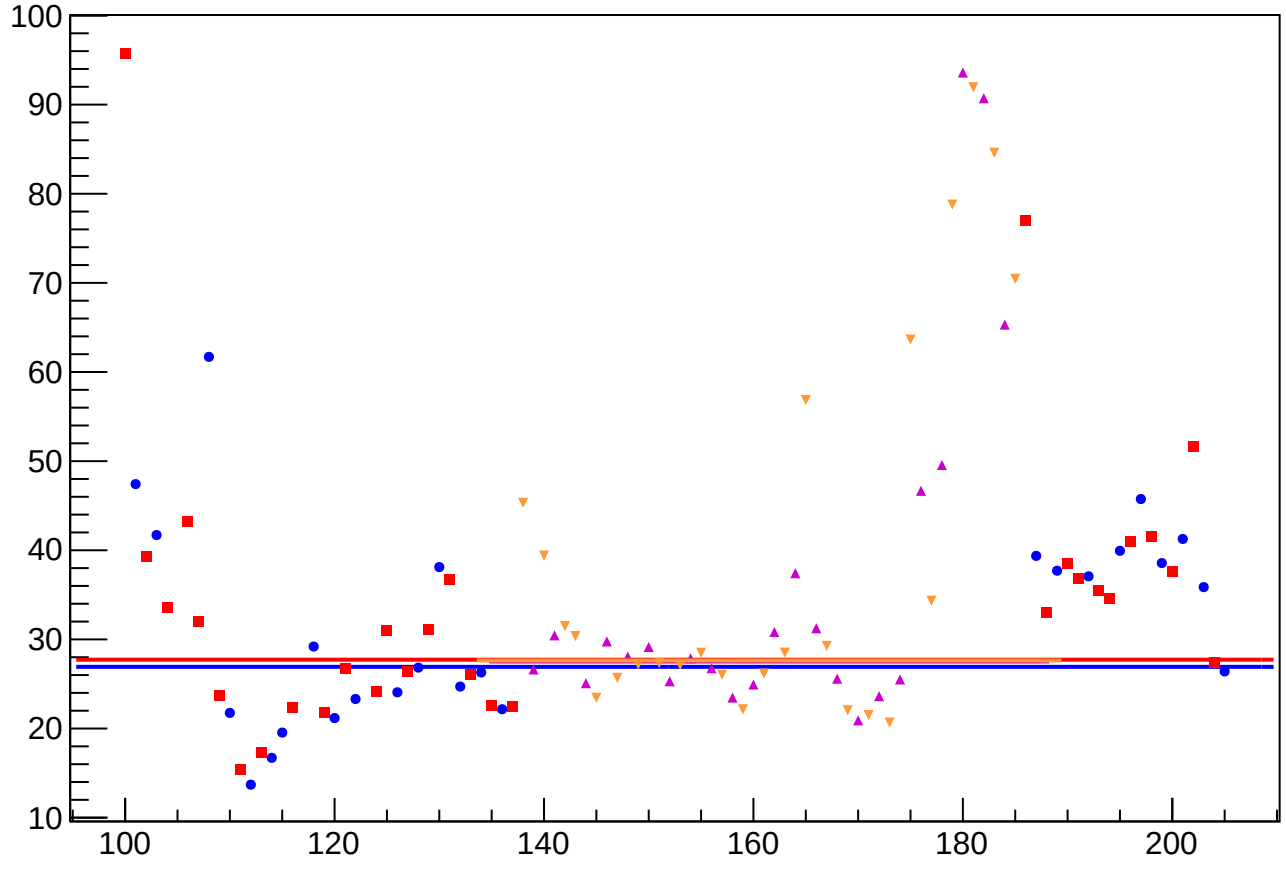
Right Out: -0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

- sign -0.000+/-0.005 χ^2/NDF: 59.2/52



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

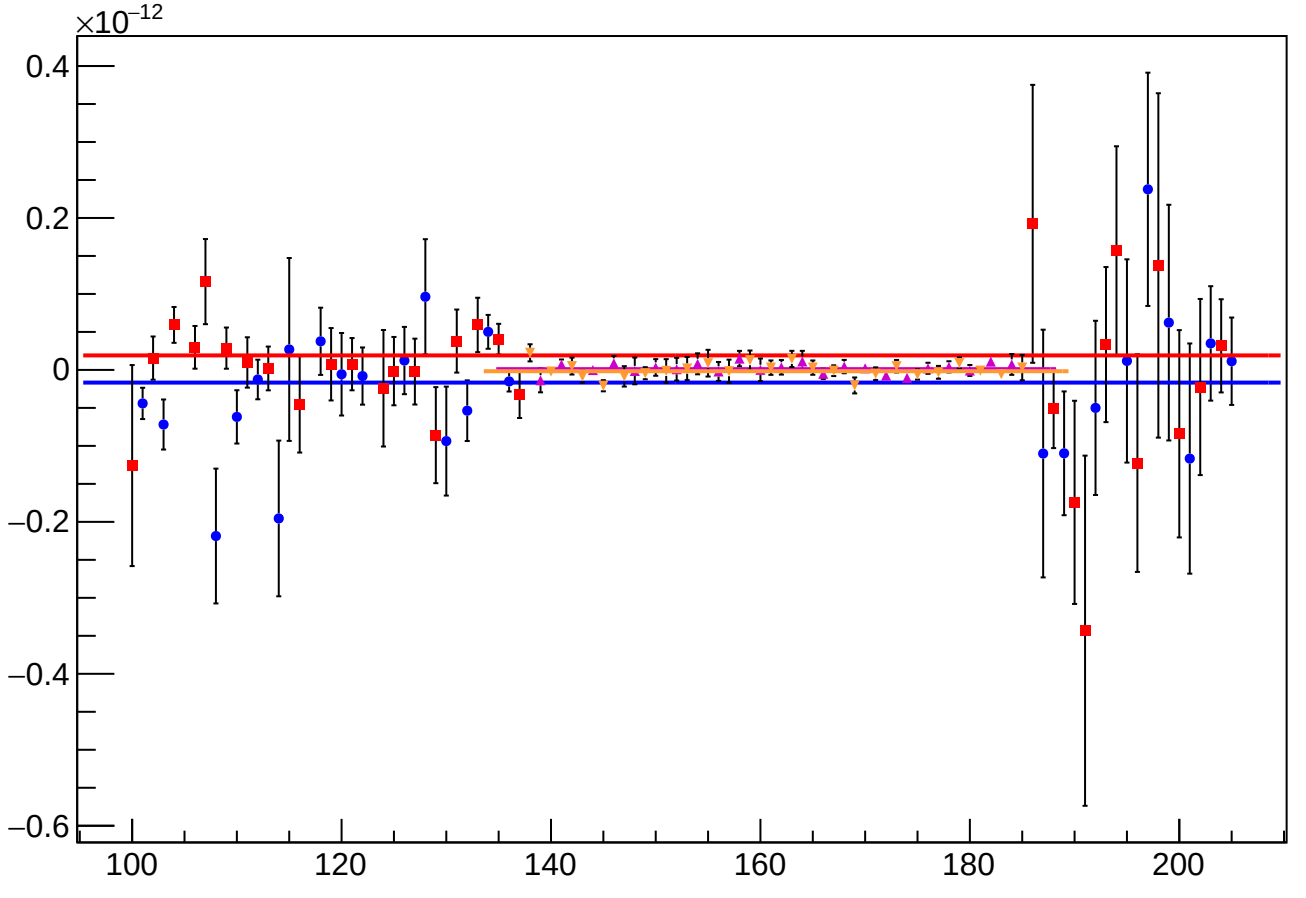
Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026771.5/49

All: 27.472+/-0.003 χ^2/NDF: 12484536.9/102

- sign 27.615+/-0.004 χ^2/NDF: 5454671.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

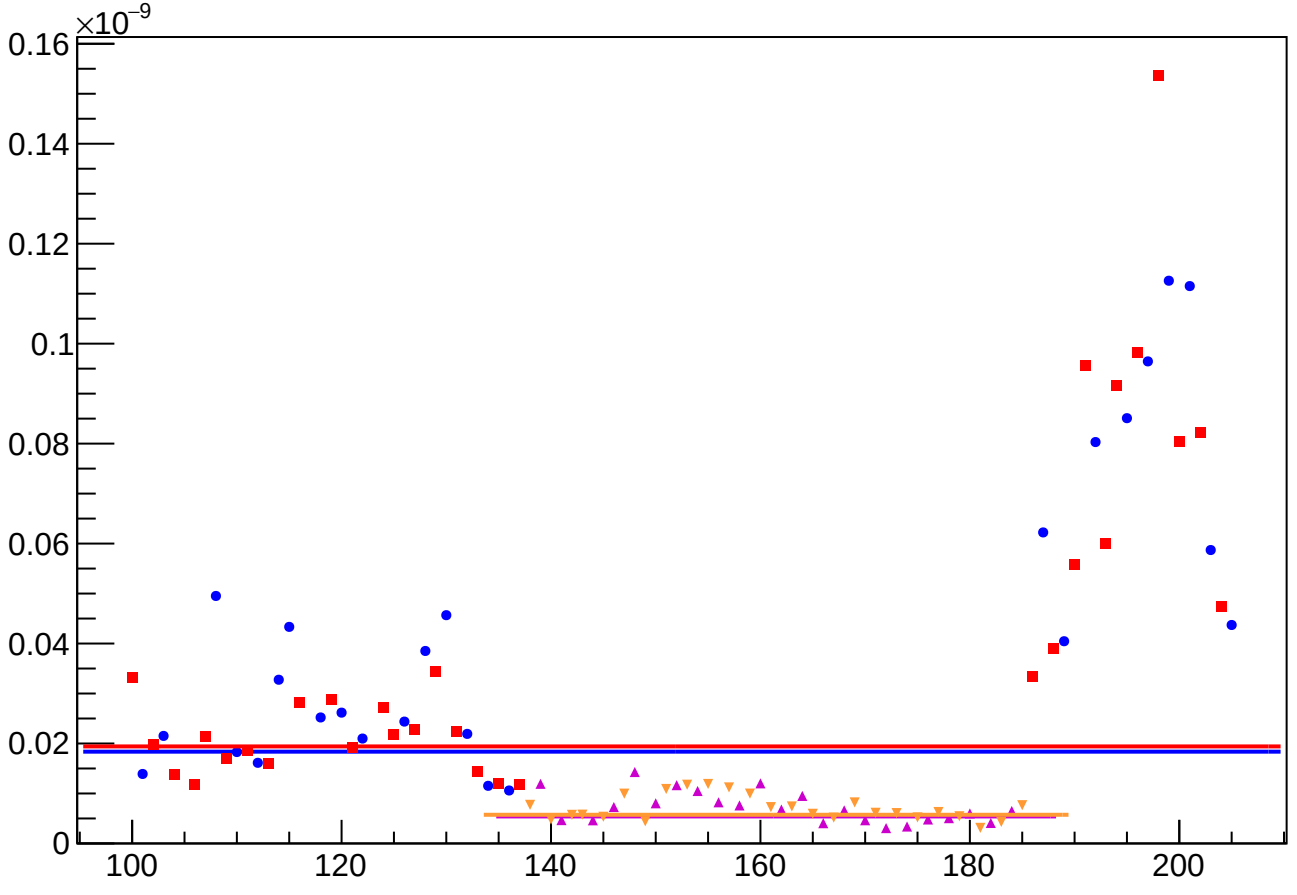
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/29

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/49

All: -0.000+/-0.000 χ^2/NDF: 117.6/102

- sign 0.000+/-0.000 χ^2/NDF: 50.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 6300014.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5286372.5/29

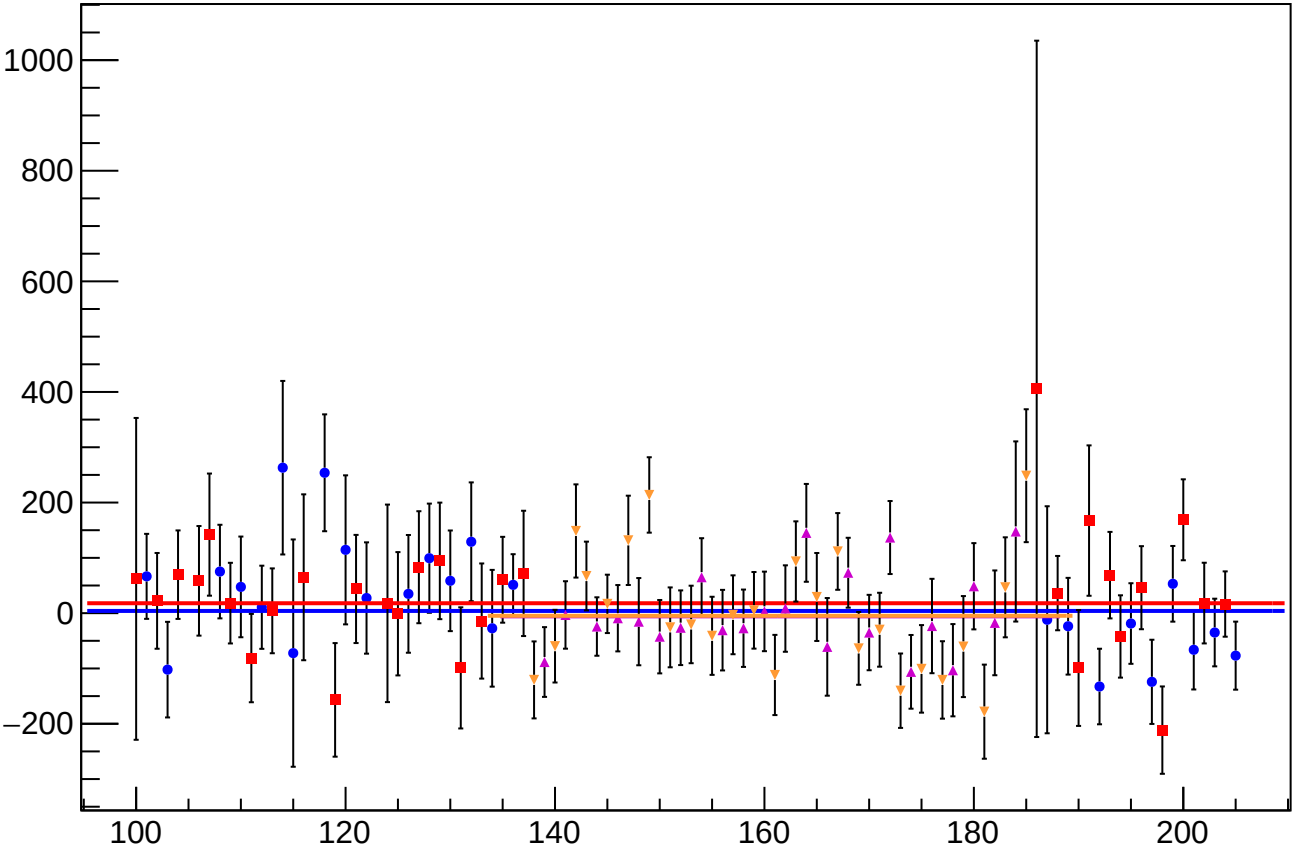
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14255921.0/49

All: 0.000+/-0.000 χ^2/NDF: 29452200.4/102

- sign 0.000+/-0.000 χ^2/NDF: 15168180.5/52

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 4.017+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.945+/-16.496 χ^2/NDF: 26.1/29

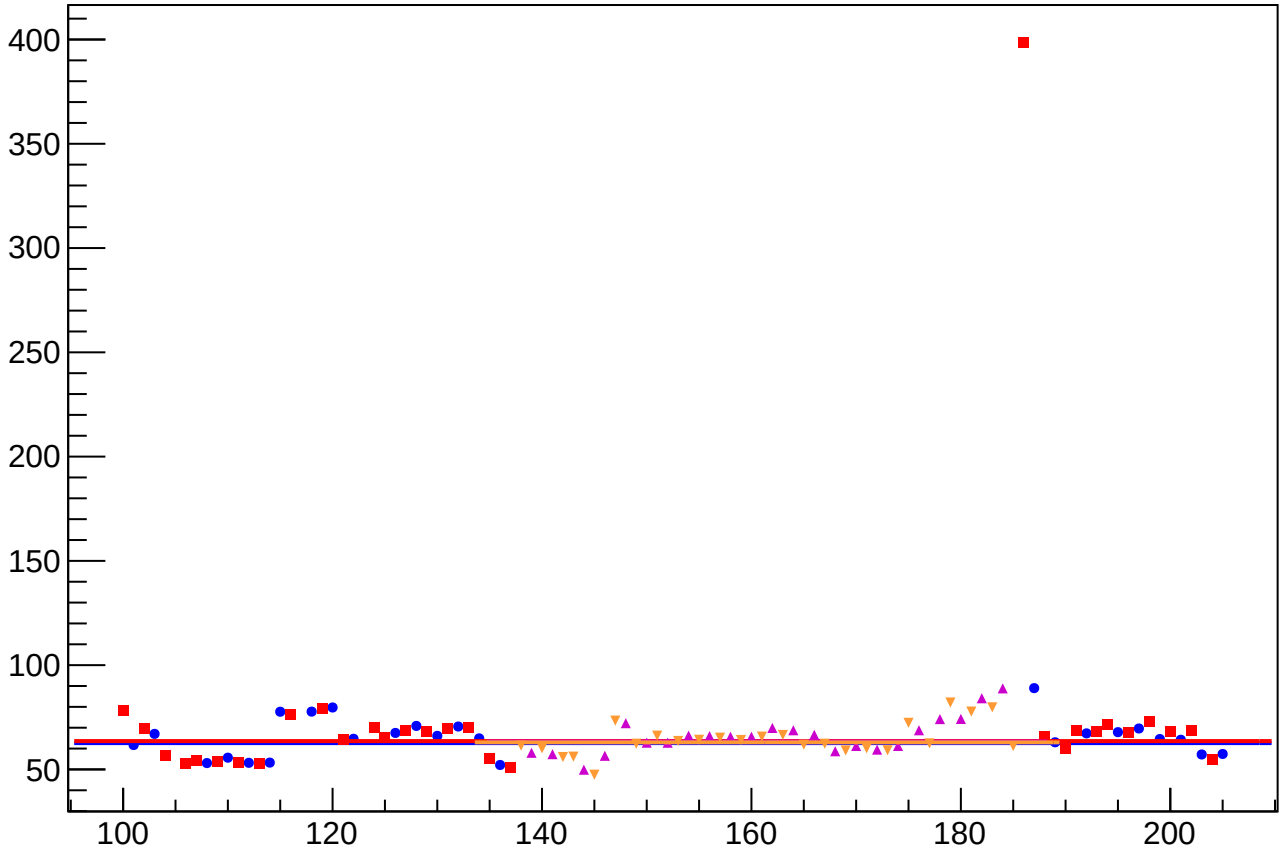
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -1.030+/-10.955 χ^2/NDF: 74.0/49

All: 1.907+/-7.787 χ^2/NDF: 119.6/102

- sign 4.906+/-11.070 χ^2/NDF: 45.5/52

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.622+/-0.012 χ^2/NDF: 372925.2/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.587+/-0.012 χ^2/NDF: 1009178.3/29

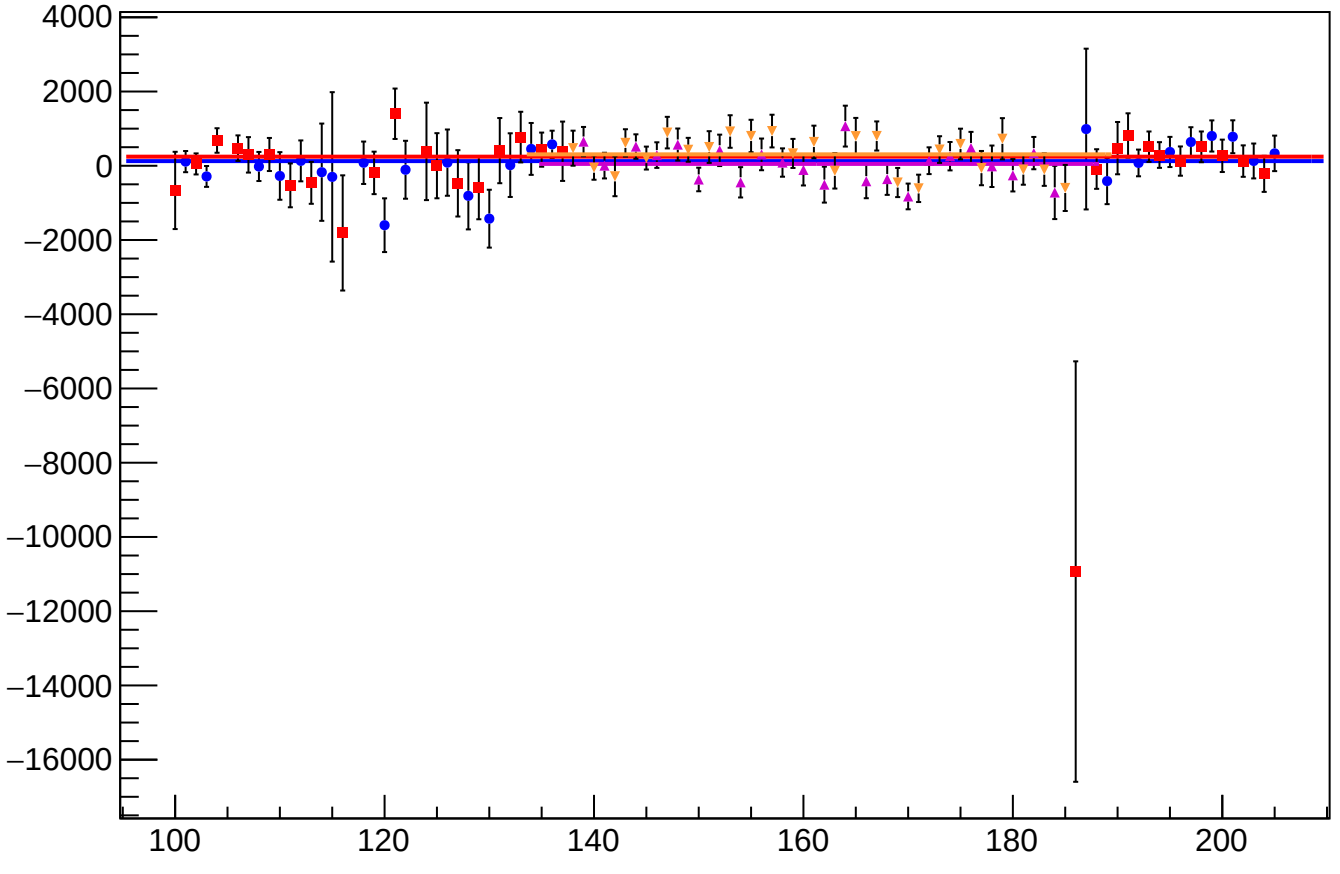
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.826+/-0.008 χ^2/NDF: 900294.5/49

All: 63.142+/-0.006 χ^2/NDF: 2409966.1/102

- sign 63.465+/-0.008 χ^2/NDF: 1506303.5/52

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 125.364+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 245.020+/-92.724 χ^2/NDF: 21.8/29

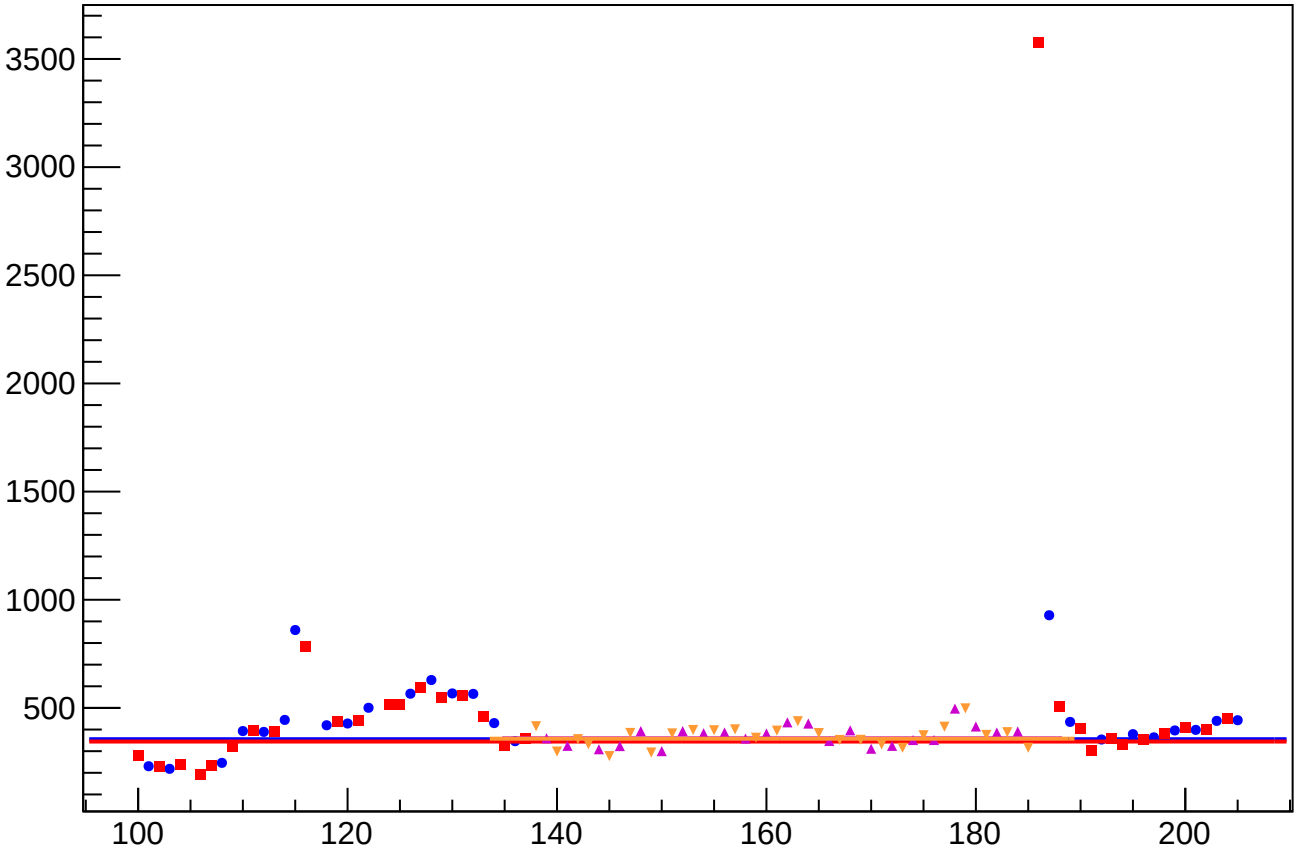
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 232.822+/-63.317 χ^2/NDF: 55.9/49

All: 185.311+/-44.514 χ^2/NDF: 108.5/102

- sign 138.882+/-62.592 χ^2/NDF: 51.4/52

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 355.297+/-0.070 χ^2/NDF: 2186350.8/24

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 344.565+/-0.066 χ^2/NDF: 2976130.4/29

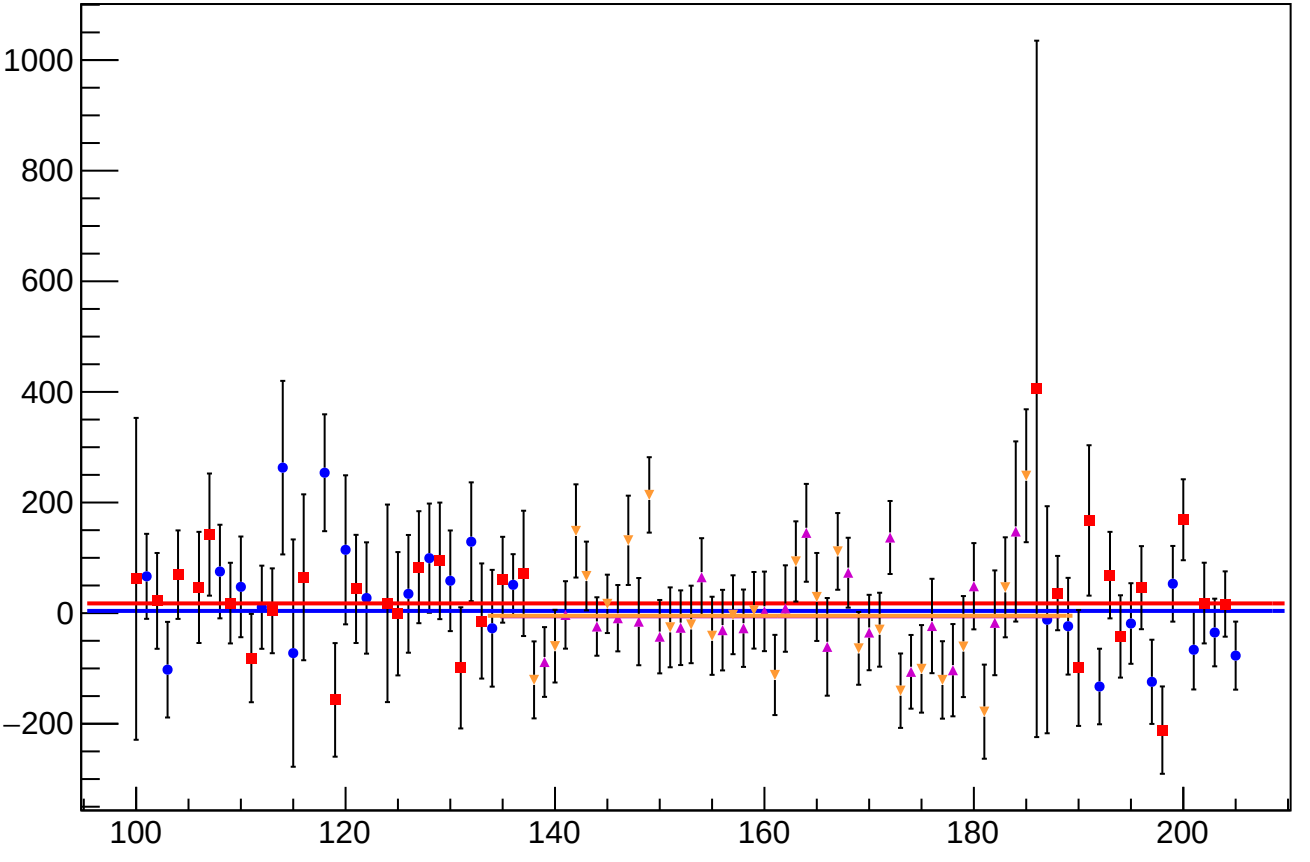
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 356.736+/-0.045 χ^2/NDF: 2870795.7/49

All: 354.651+/-0.031 χ^2/NDF: 6398655.2/102

- sign 352.613+/-0.044 χ^2/NDF: 3523570.1/52

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.591+/-16.502 χ^2/NDF: 26.0/29

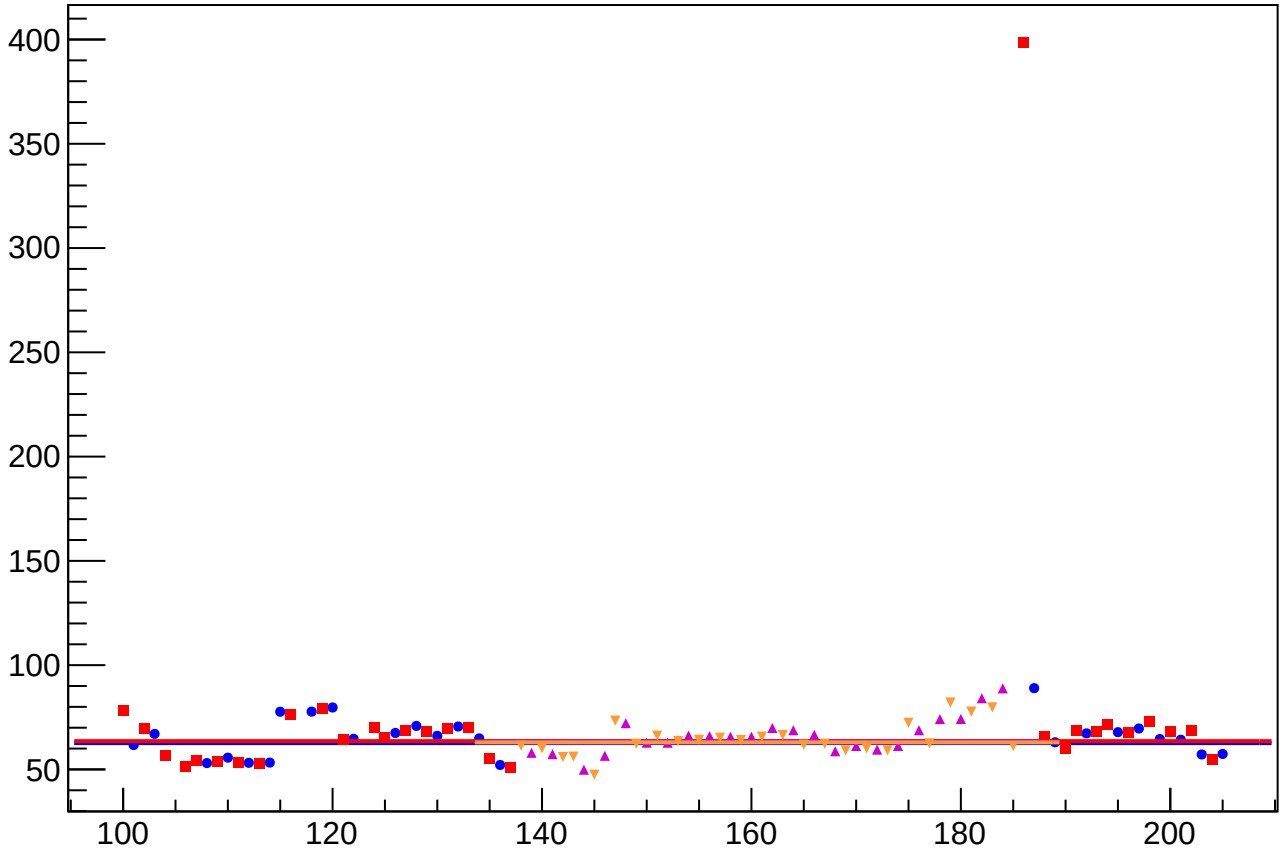
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -1.036+/-10.955 χ^2/NDF: 74.0/49

All: 1.823+/-7.787 χ^2/NDF: 119.5/102

- sign 4.742+/-11.072 χ^2/NDF: 45.4/52

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

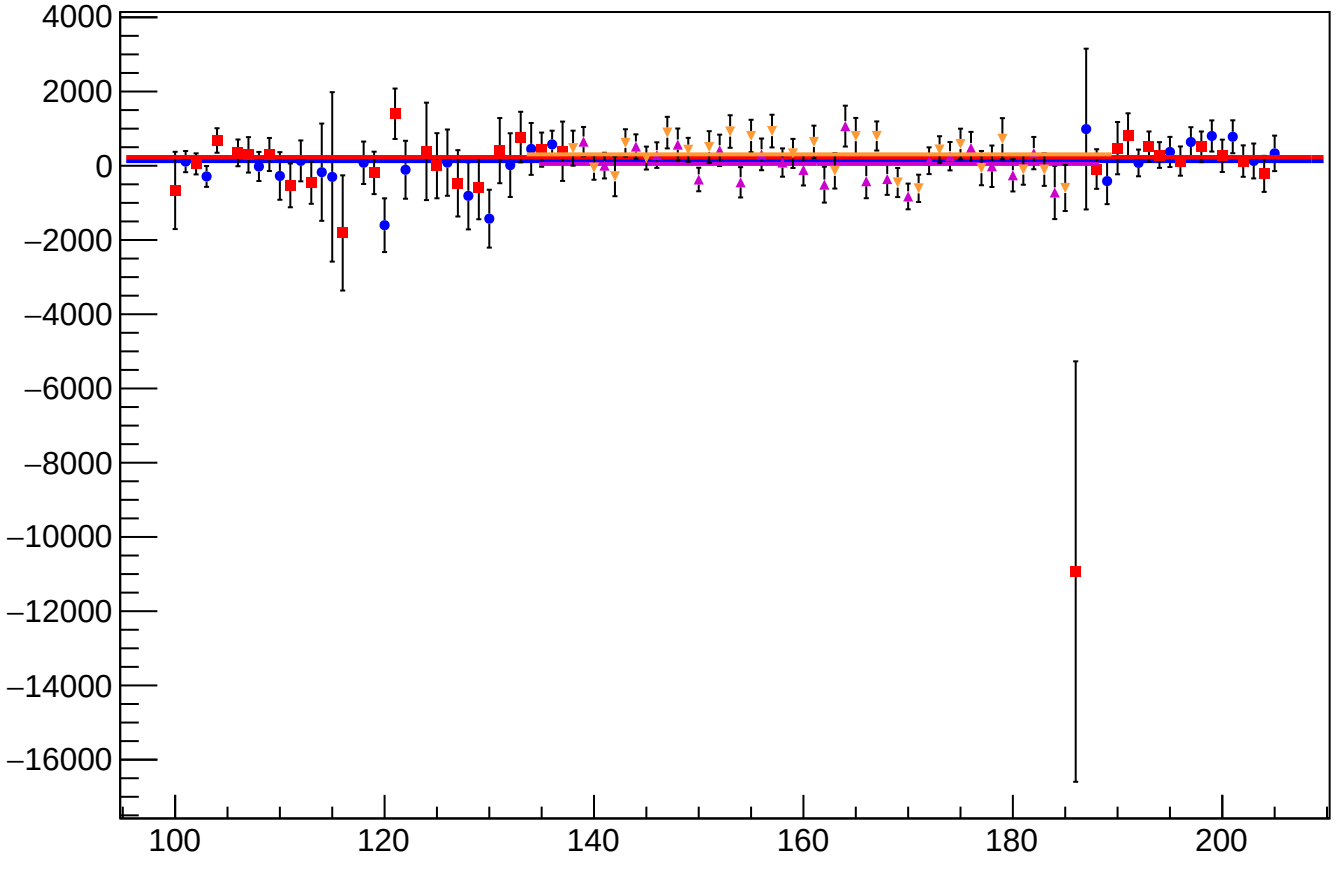
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.826+/-0.008 χ^2/NDF: 900294.7/49

All: 63.138+/-0.006 χ^2/NDF: 2414037.9/102

- sign 63.456+/-0.008 χ^2/NDF: 1510469.2/52

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 235.287+/-93.025 χ^2/NDF: 21.4/29

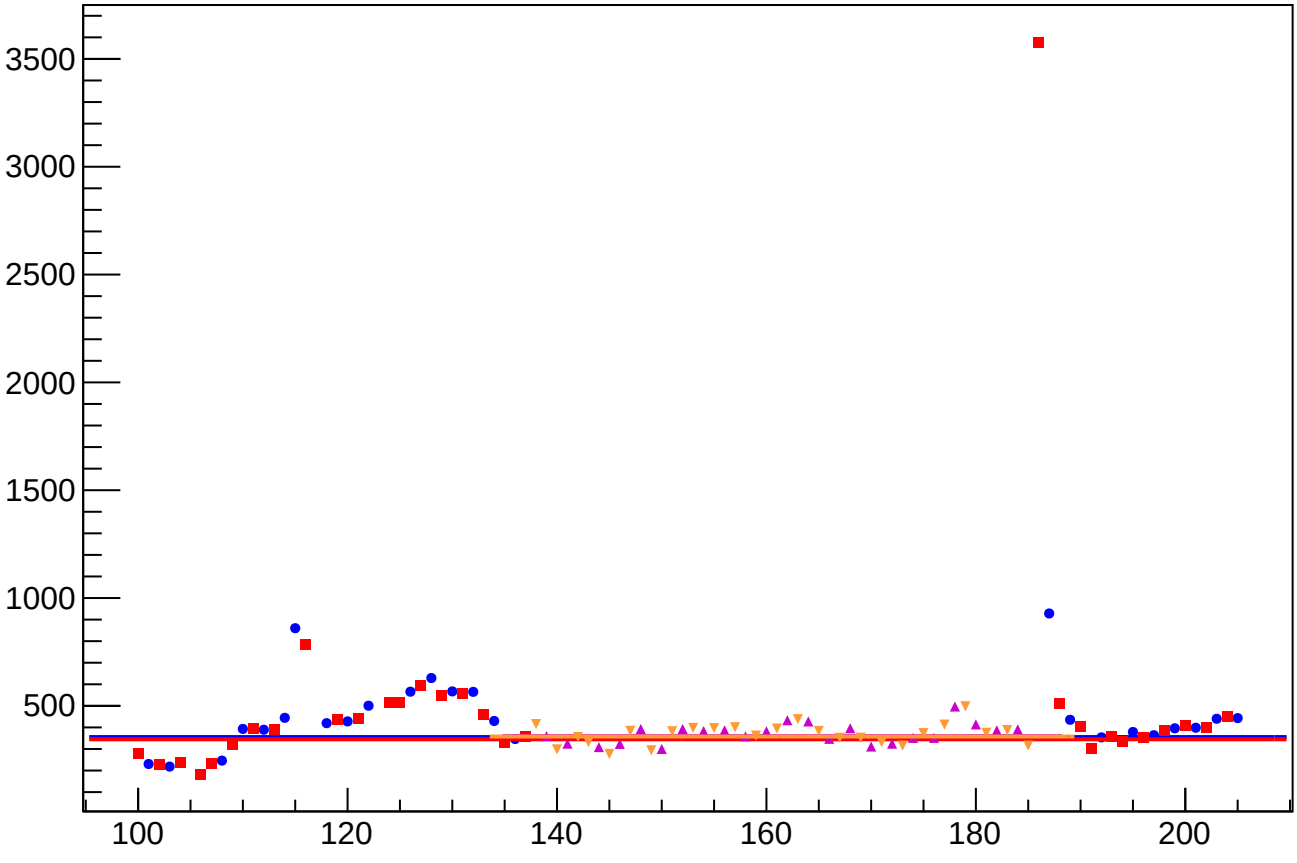
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.822+/-63.317 χ^2/NDF: 55.9/49

All: 182.990+/-44.547 χ^2/NDF: 108.0/102

- sign 134.149+/-62.684 χ^2/NDF: 50.8/52

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

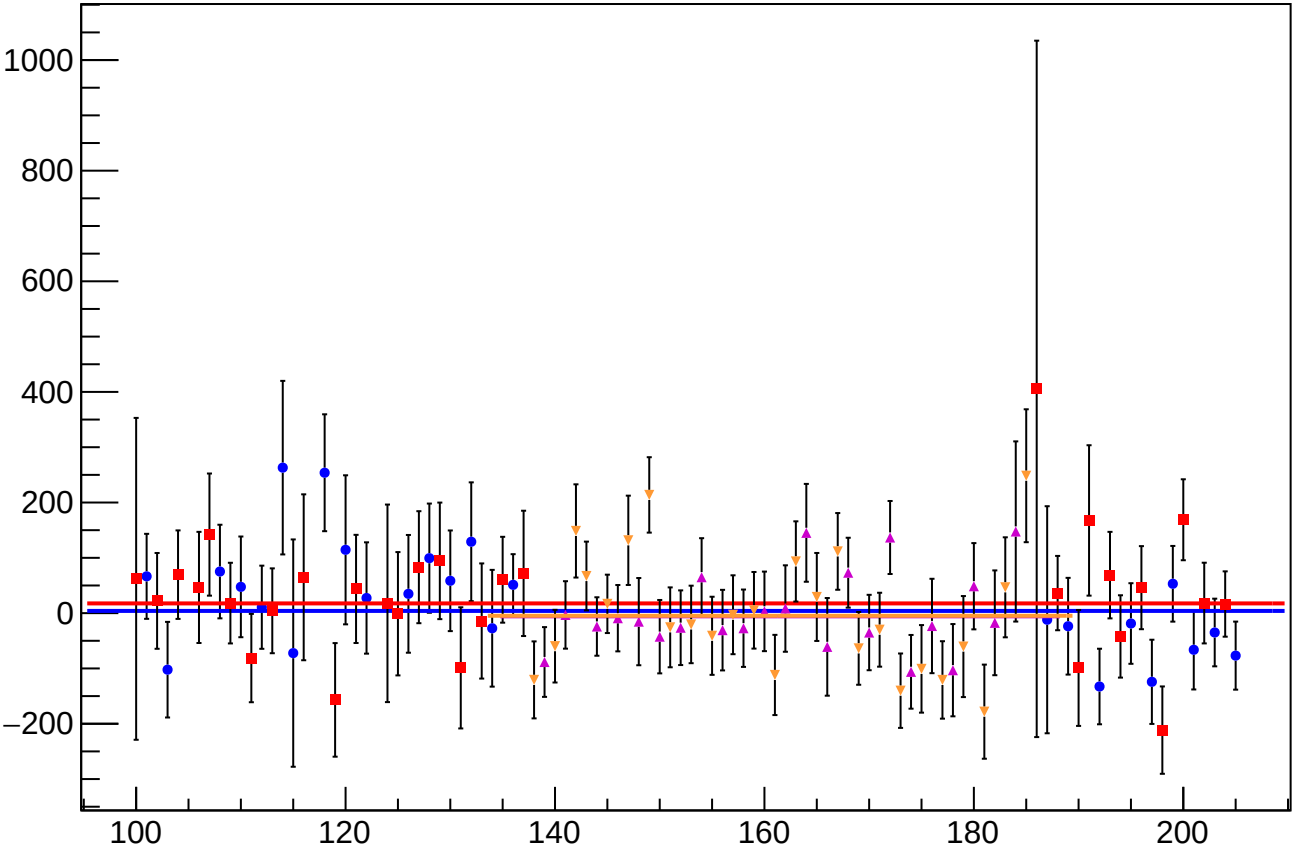
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.737+/-0.045 χ^2/NDF: 2870709.3/49

All: 354.737+/-0.031 χ^2/NDF: 6412449.9/102

- sign 352.776+/-0.044 χ^2/NDF: 3537788.7/52

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 17.591+/-16.502 χ^2/NDF: 26.0/29

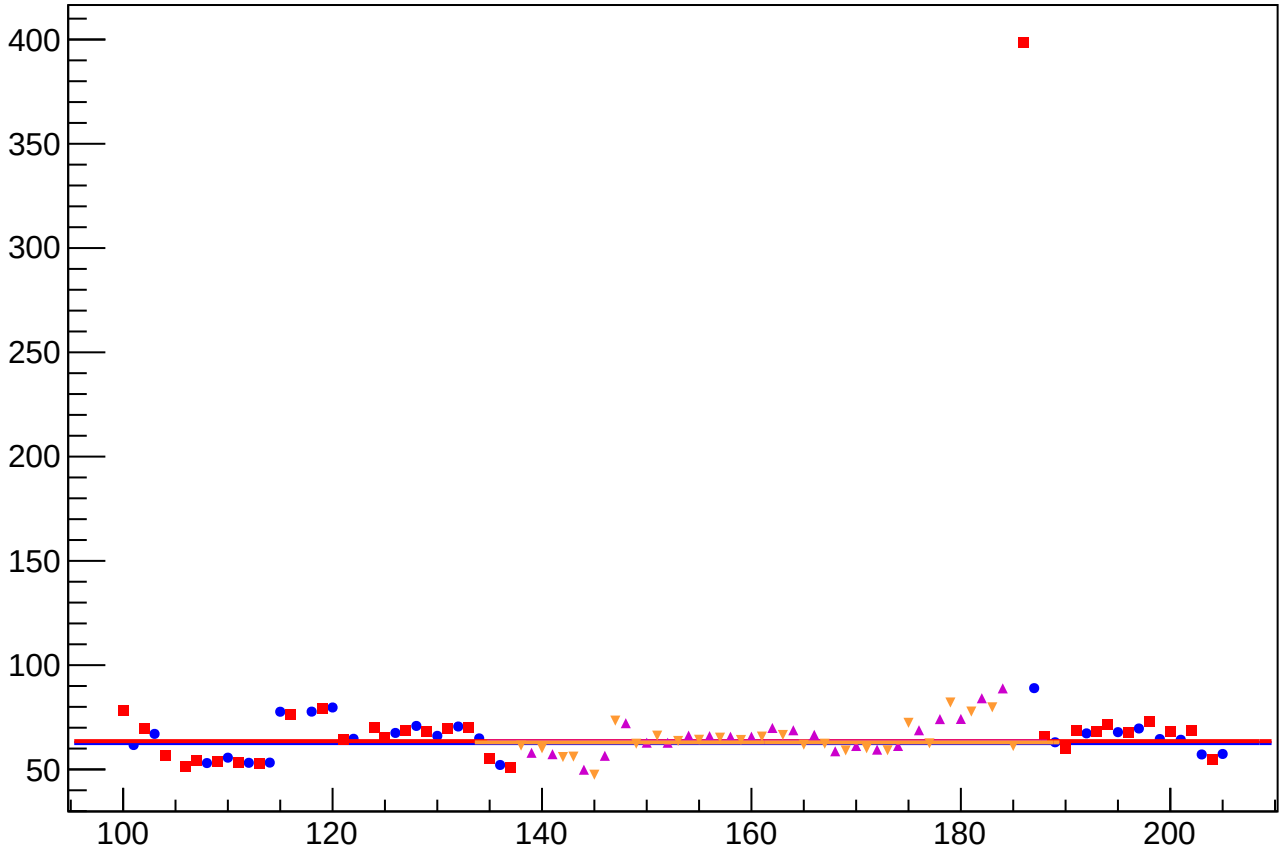
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -1.036+/-10.955 χ^2/NDF: 74.0/49

All: 1.823+/-7.787 χ^2/NDF: 119.5/102

- sign 4.742+/-11.072 χ^2/NDF: 45.4/52

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

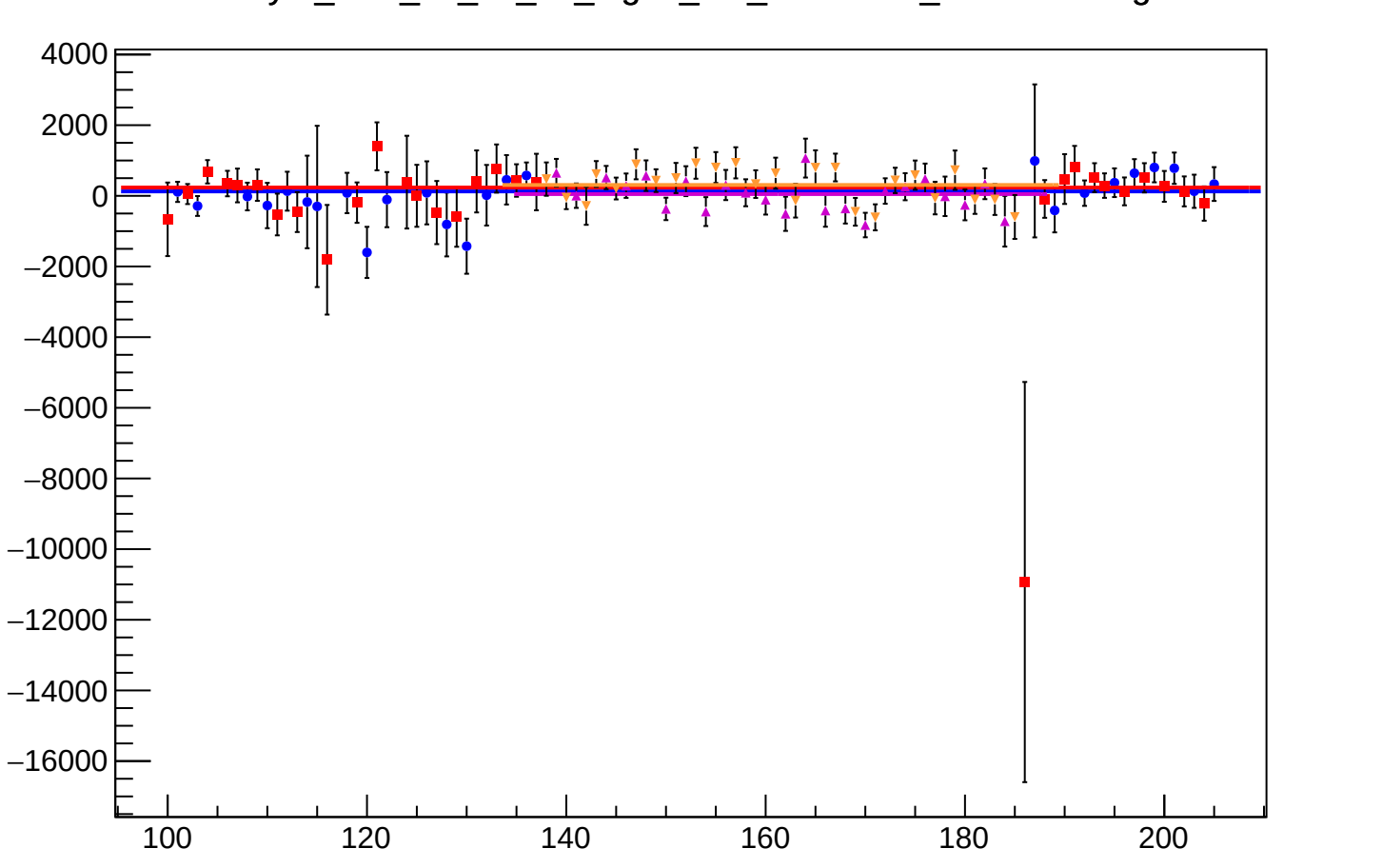
Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.826+/-0.008 χ^2/NDF: 900294.7/49

All: 63.138+/-0.006 χ^2/NDF: 2414037.9/102

- sign 63.456+/-0.008 χ^2/NDF: 1510469.2/52



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

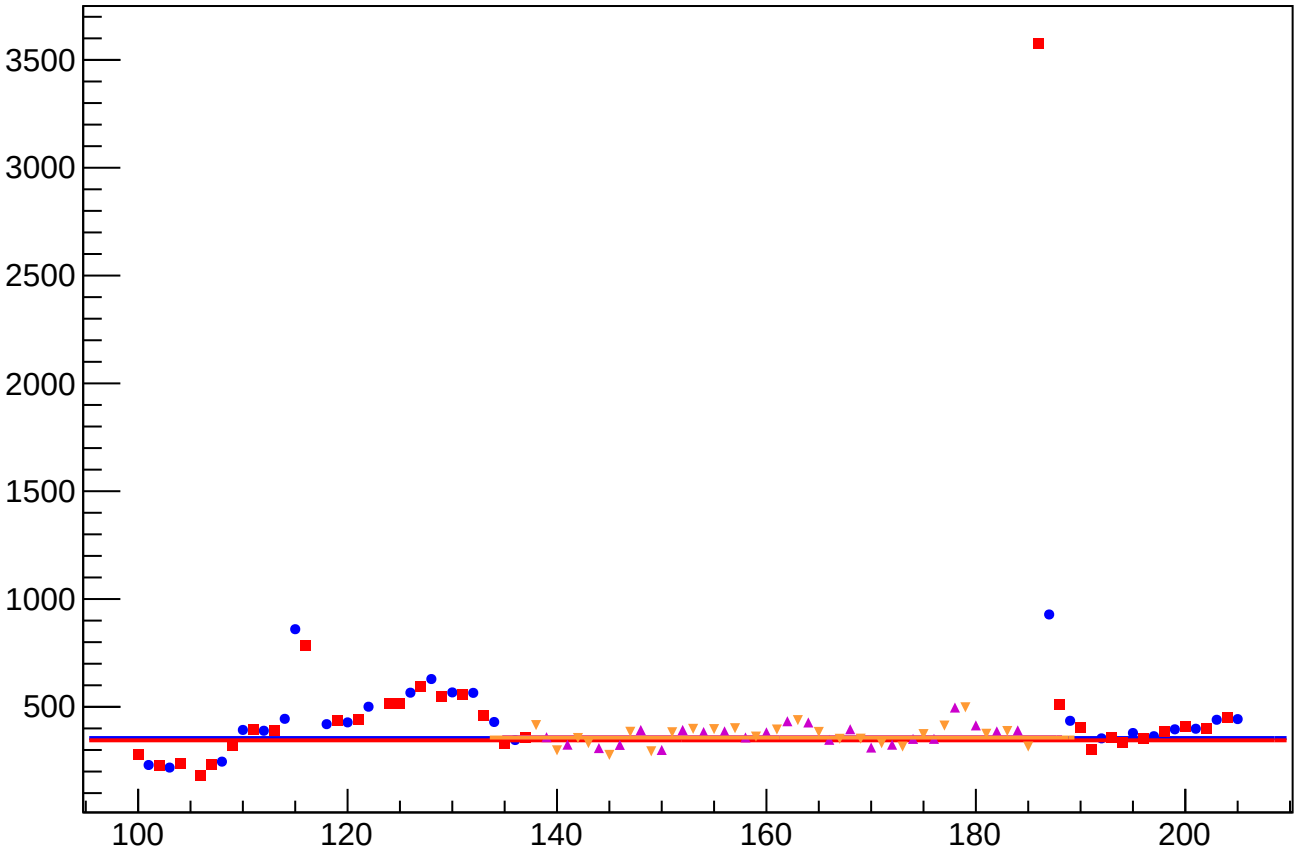
Right Out: 235.287+/-93.025 χ^2/NDF: 21.4/29

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.822+/-63.317 χ^2/NDF: 55.9/49

All: 182.990+/-44.547 χ^2/NDF: 108.0/102

- sign 134.149+/-62.684 χ^2/NDF: 50.8/52



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

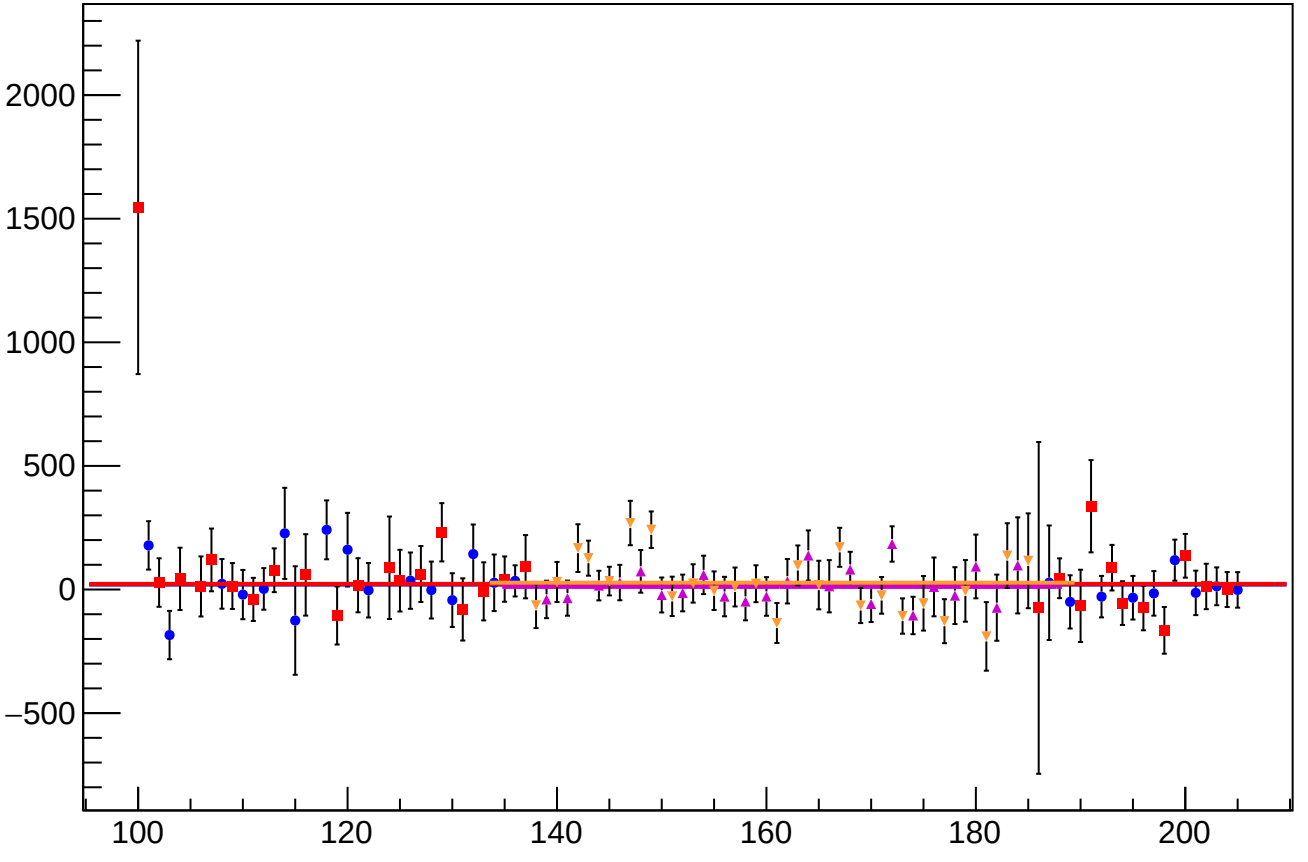
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.737+/-0.045 χ^2/NDF: 2870709.3/49

All: 354.737+/-0.031 χ^2/NDF: 6412449.9/102

- sign 352.776+/-0.044 χ^2/NDF: 3537788.7/52

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 22.723+/-19.694 χ^2/NDF: 23.8/29

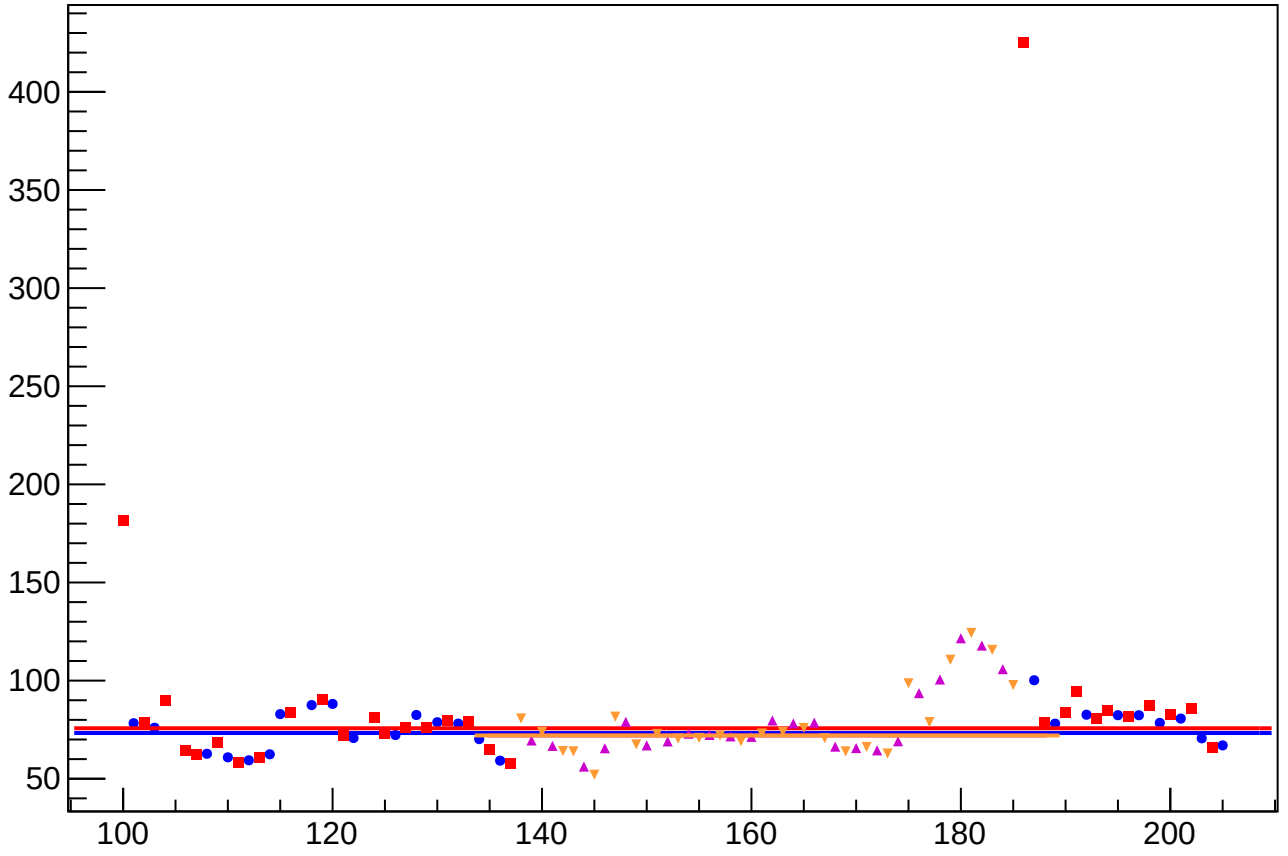
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

\+ sign 24.413+/-12.770 χ^2/NDF: 60.2/49

All: 20.177+/-9.098 χ^2/NDF: 100.5/102

\- sign 15.810+/-12.965 χ^2/NDF: 40.1/52

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.300+/-0.014 χ^2/NDF: 433369.8/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.713+/-0.014 χ^2/NDF: 1088871.0/29

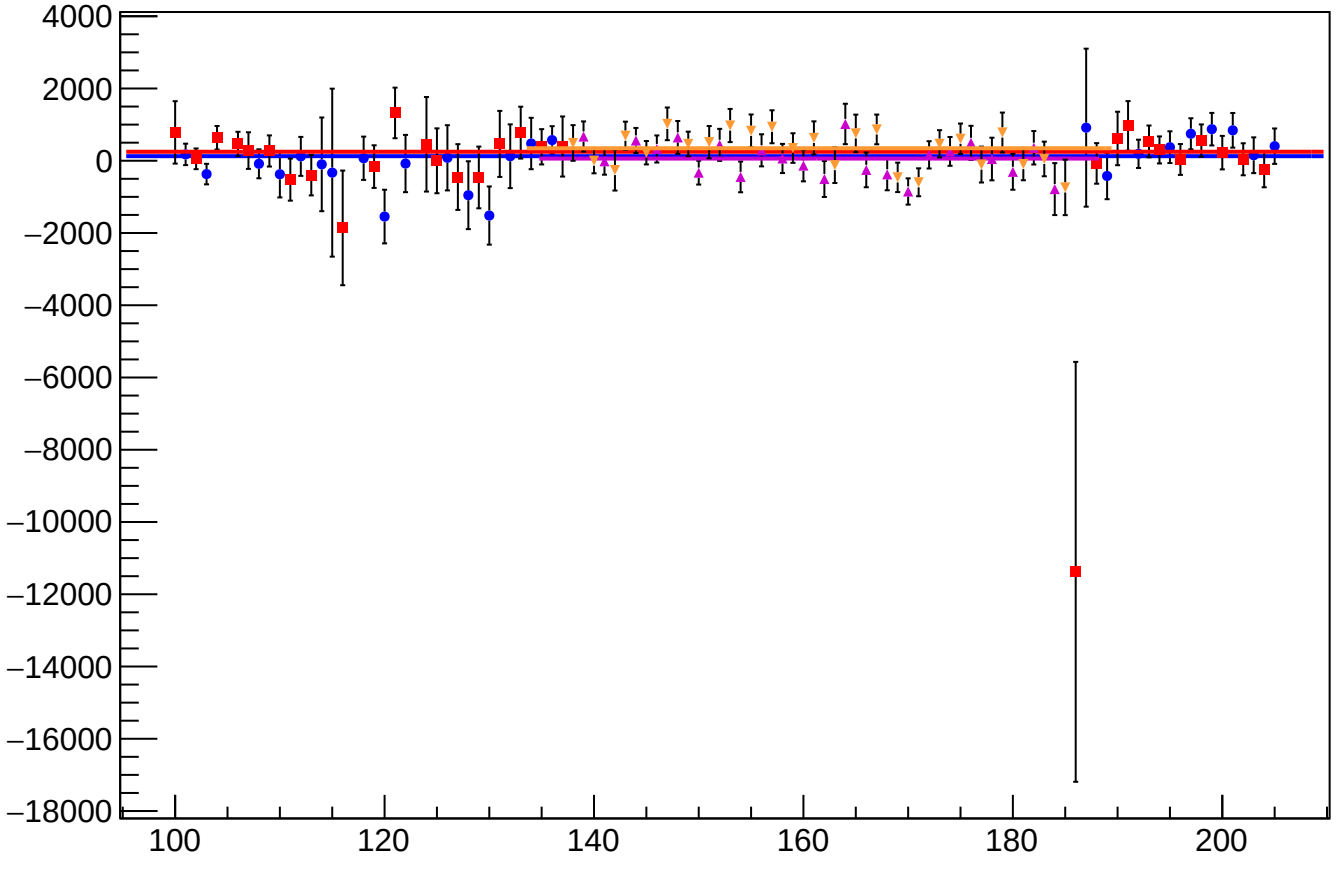
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.568+/-0.009 χ^2/NDF: 1707576.8/49

All: 73.106+/-0.006 χ^2/NDF: 3900824.7/102

- sign 73.661+/-0.009 χ^2/NDF: 2186023.1/52

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 248.792+/-95.565 χ^2/NDF: 20.5/29

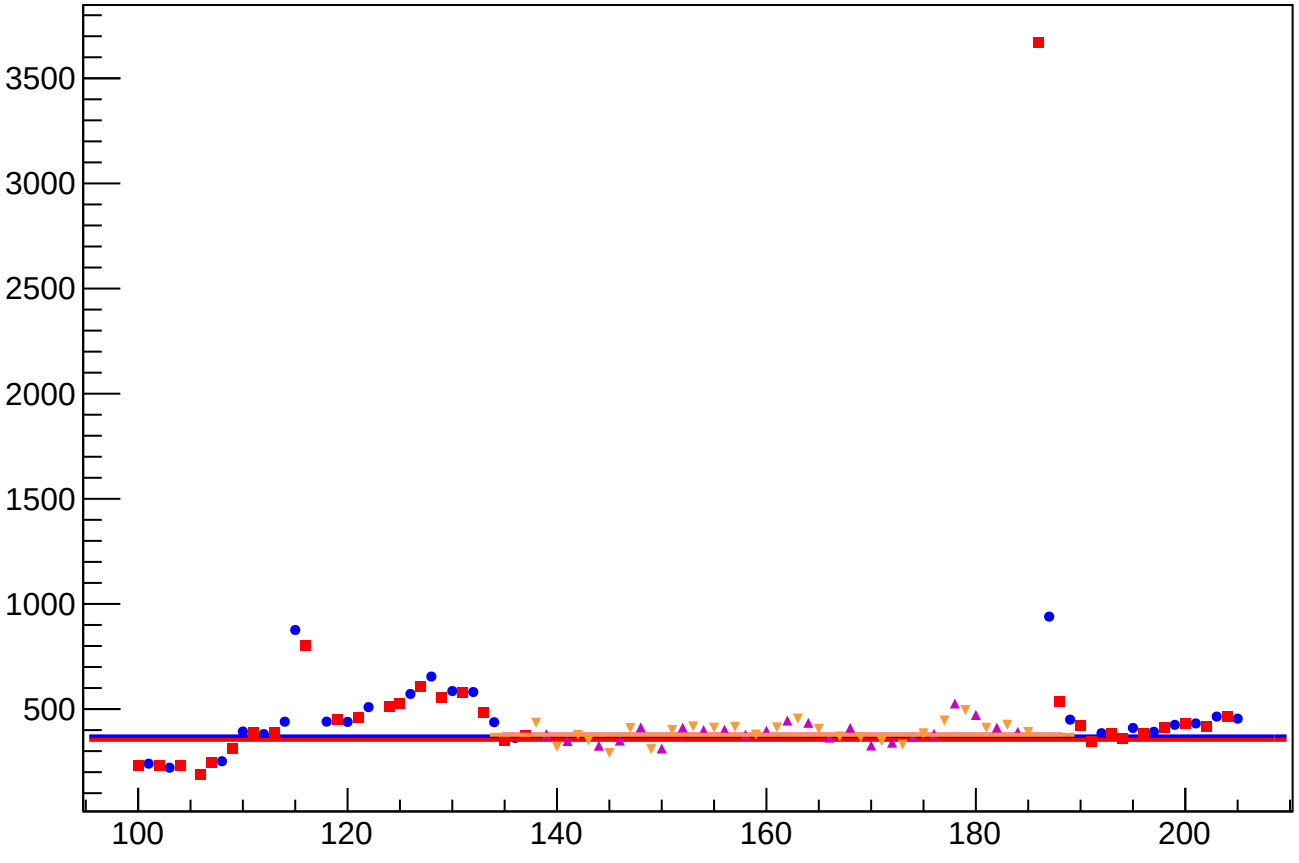
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 254.906+/-66.435 χ^2/NDF: 56.4/49

All: 200.562+/-46.567 χ^2/NDF: 106.2/102

- sign 148.074+/-65.291 χ^2/NDF: 48.4/52

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 370.004+/-0.073 χ^2/NDF: 2260339.7/24

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.660+/-0.068 χ^2/NDF: 3251197.7/29

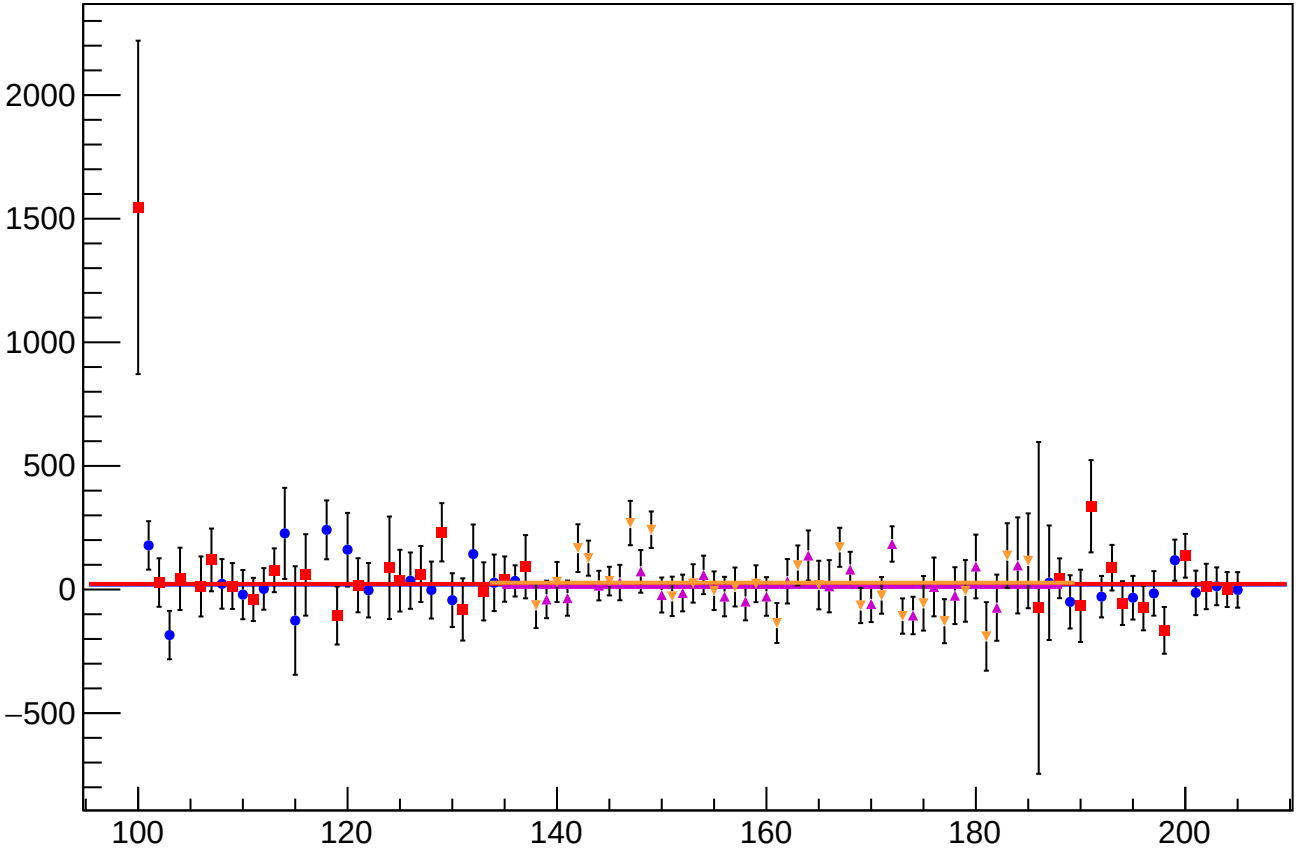
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 374.566+/-0.047 χ^2/NDF: 2903733.5/49

All: 370.769+/-0.033 χ^2/NDF: 6769671.1/102

- sign 367.102+/-0.046 χ^2/NDF: 3853094.8/52

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 22.723+/-19.694 χ^2/NDF: 23.8/29

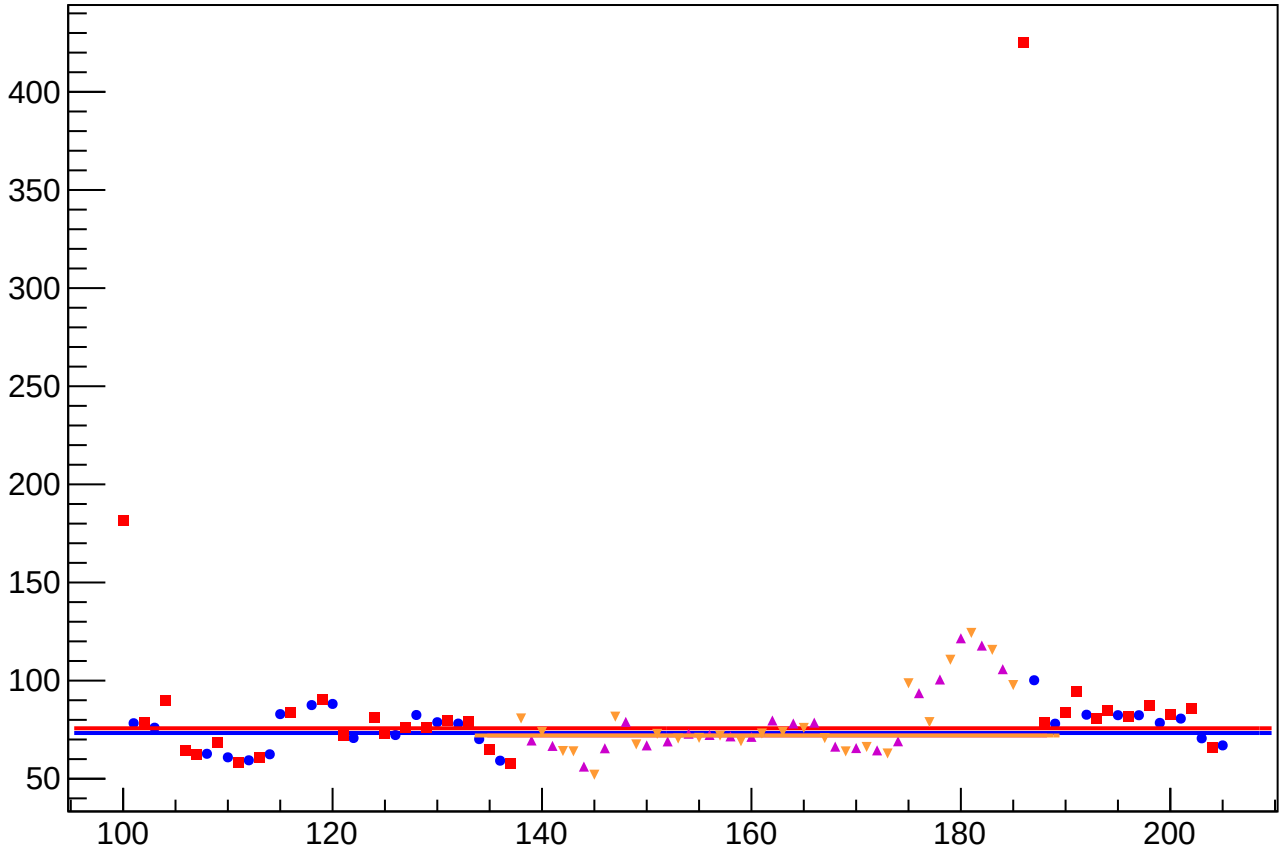
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.412+/-12.770 χ^2/NDF: 60.2/49

All: 20.176+/-9.098 χ^2/NDF: 100.5/102

- sign 15.810+/-12.965 χ^2/NDF: 40.1/52

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.300+/-0.014 χ^2/NDF: 433368.3/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

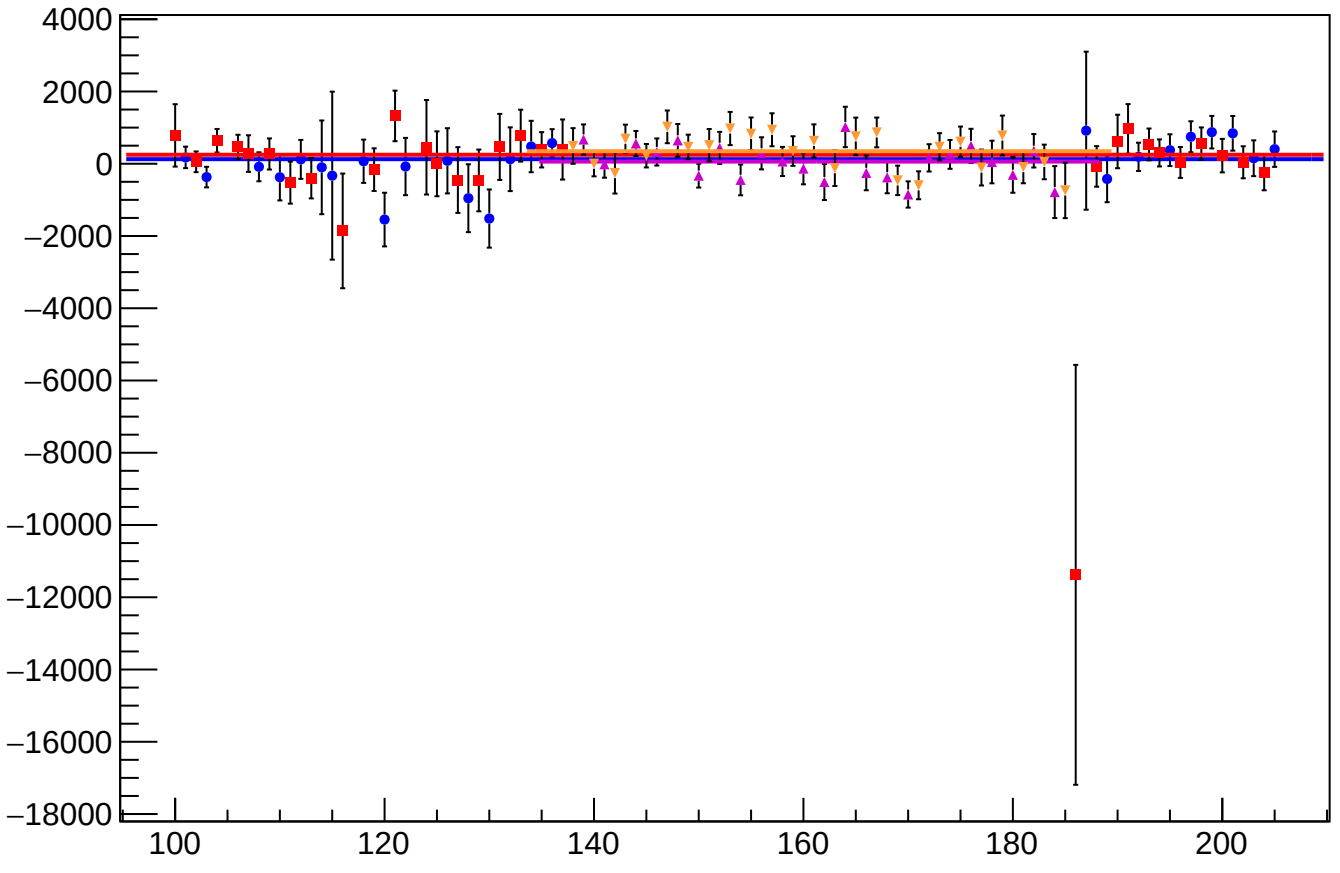
Right Out: 75.712+/-0.014 χ^2/NDF: 1088874.7/29

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.567+/-0.009 χ^2/NDF: 1707582.4/49

All: 73.106+/-0.006 χ^2/NDF: 3900822.3/102

- sign 73.661+/-0.009 χ^2/NDF: 2186015.4/52



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

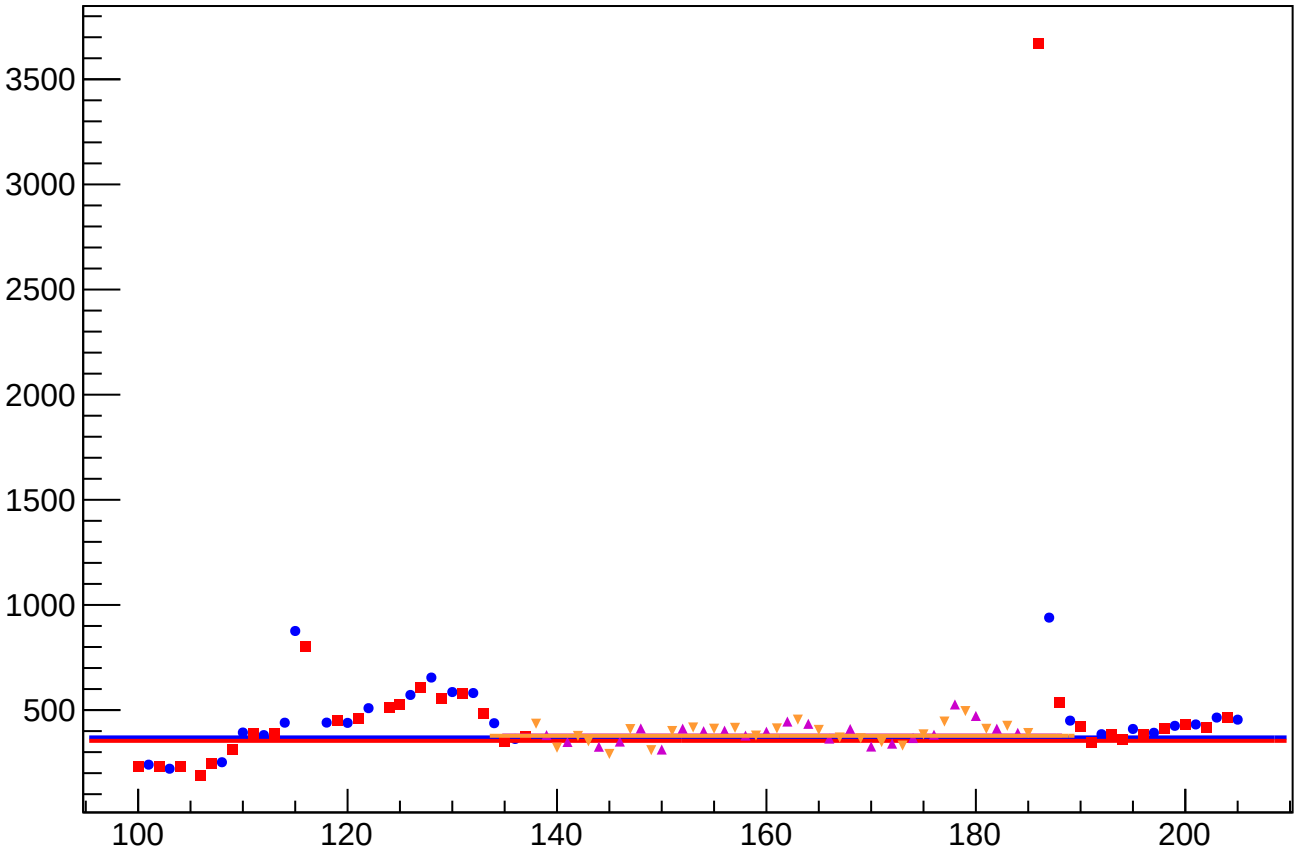
Right Out: 248.792+/-95.565 χ^2/NDF: 20.5/29

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 254.906+/-66.435 χ^2/NDF: 56.4/49

All: 200.561+/-46.567 χ^2/NDF: 106.2/102

- sign 148.073+/-65.290 χ^2/NDF: 48.4/52



Right In: 370.004+/-0.073 χ^2/NDF: 2260329.6/24

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.659+/-0.068 χ^2/NDF: 3251182.8/29

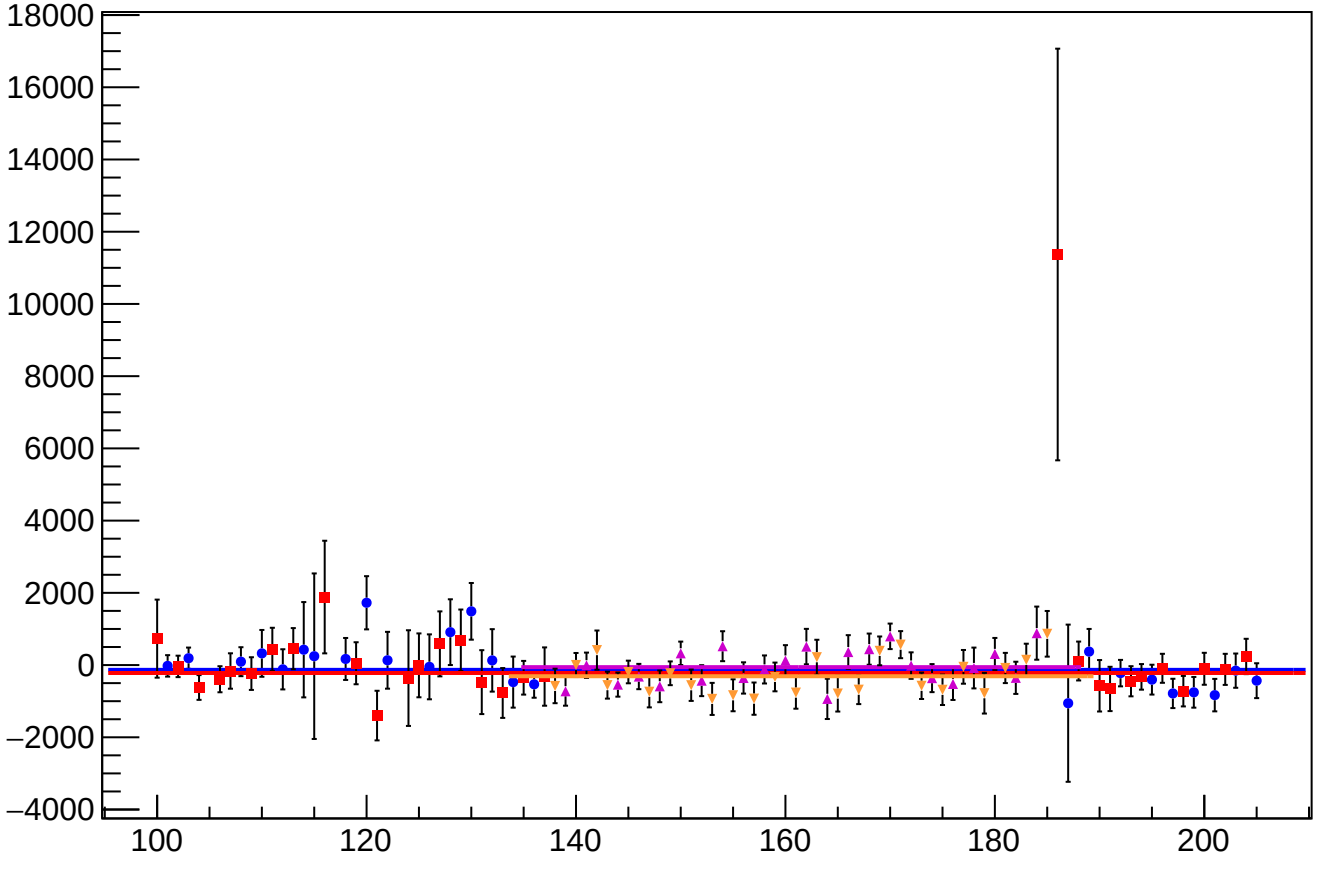
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 374.566+/-0.047 χ^2/NDF: 2903723.0/49

All: 370.769+/-0.033 χ^2/NDF: 6769641.5/102

- sign 367.102+/-0.046 χ^2/NDF: 3853075.6/52

asym_sam_37_48_dd_mean vs Slug



Right In: -132.405+/-101.099 χ^2/NDF: 25.0/24

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -219.129+/-94.863 χ^2/NDF: 21.4/29

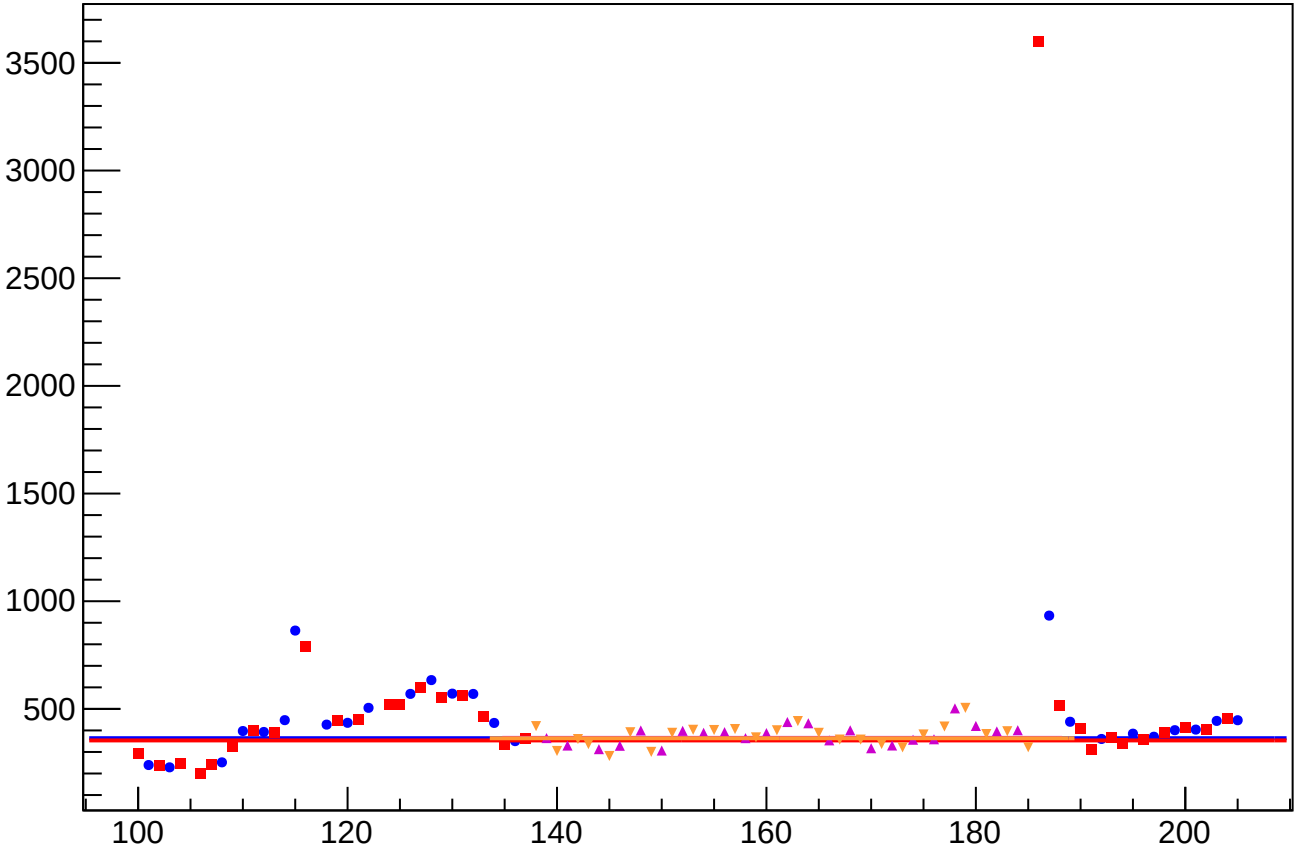
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -237.373+/-64.475 χ^2/NDF: 56.8/49

All: -183.453+/-45.352 χ^2/NDF: 109.1/102

- sign -130.646+/-63.806 χ^2/NDF: 51.0/52

asym_sam_37_48_dd_rms vs Slug



Right In: 363.922+/-0.071 χ^2/NDF: 2027327.5/24

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

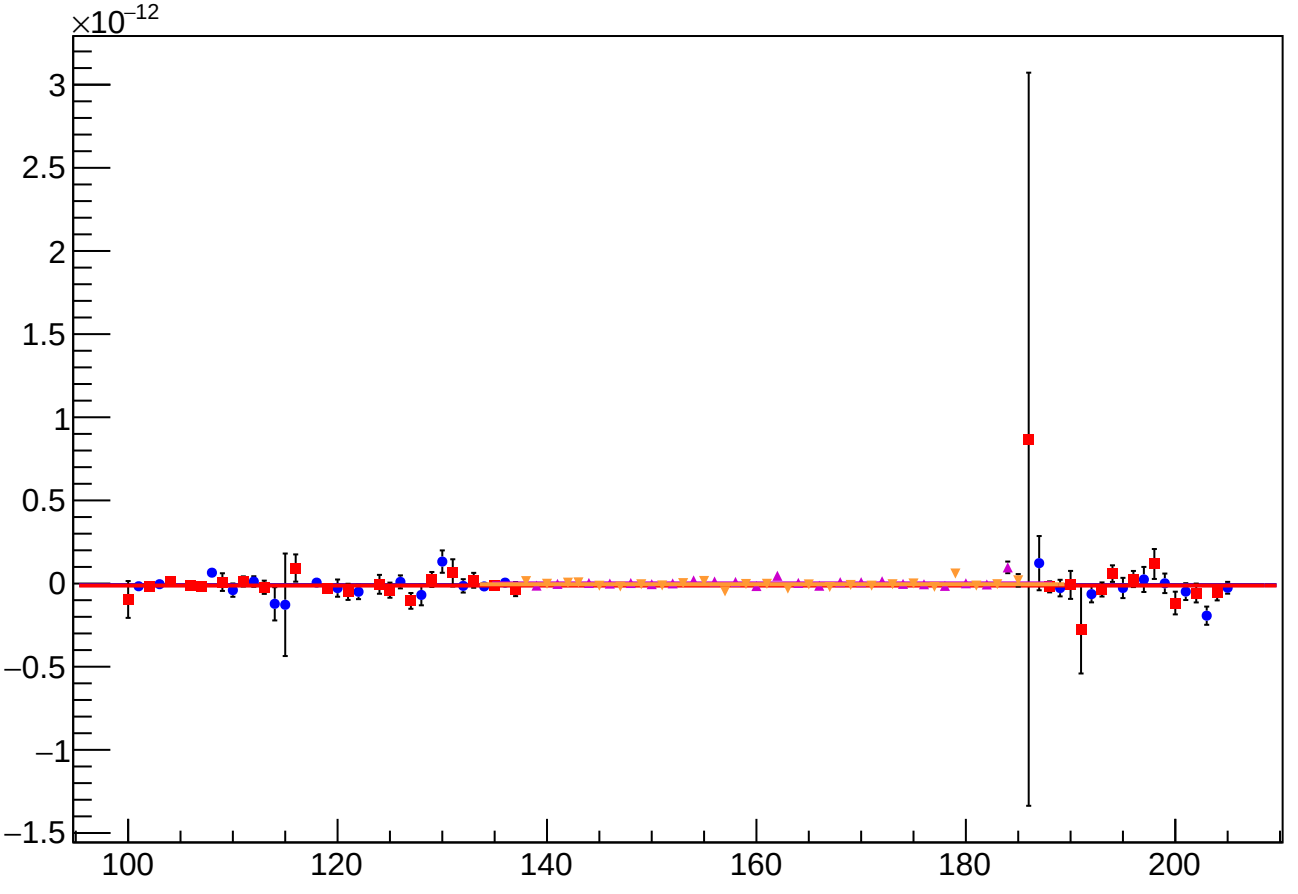
Right Out: 353.683+/-0.067 χ^2/NDF: 2797073.2/29

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 363.799+/-0.046 χ^2/NDF: 2696577.2/49

All: 361.909+/-0.032 χ^2/NDF: 6023042.1/102

- sign 360.057+/-0.045 χ^2/NDF: 3323062.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

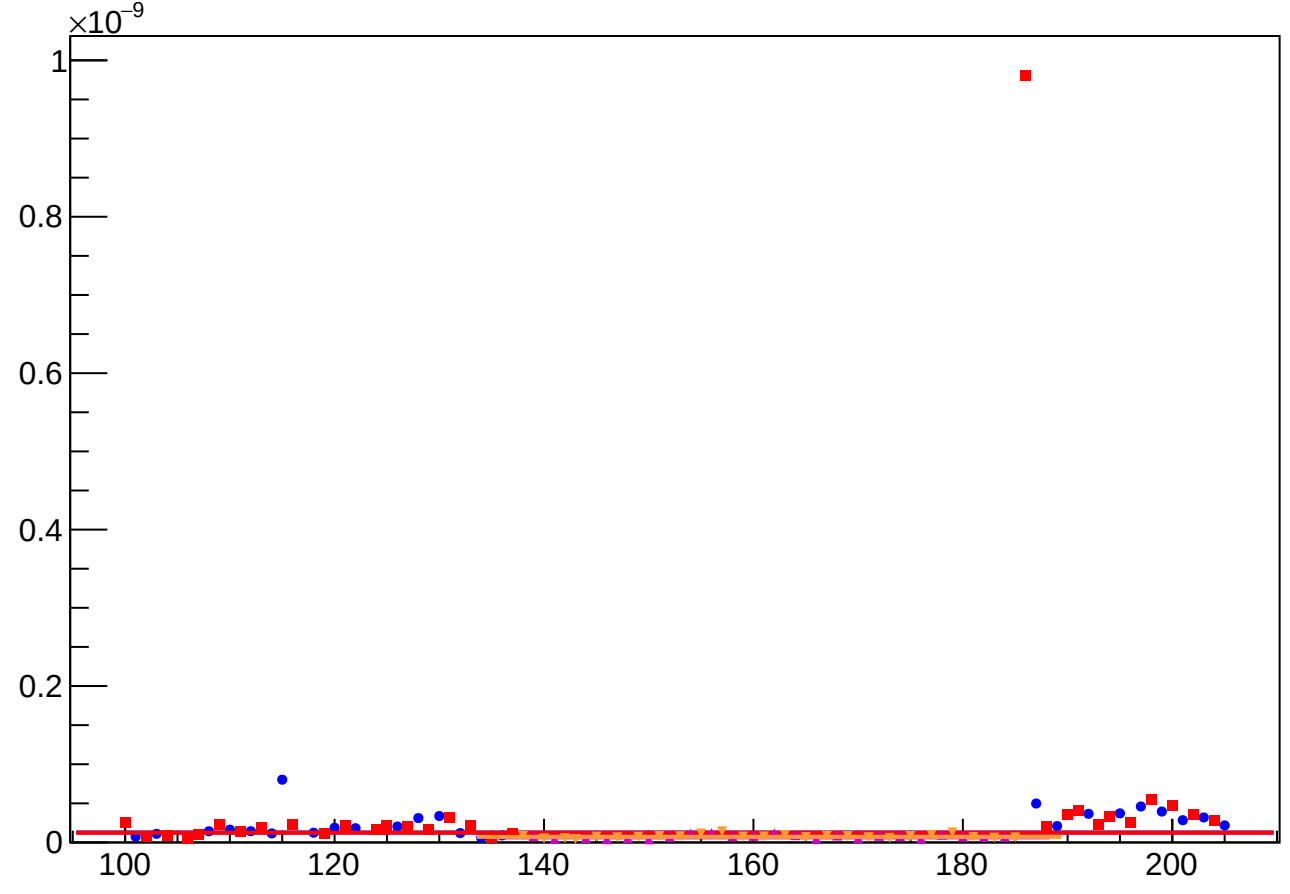
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/49

All: -0.000+/-0.000 χ^2/NDF: 103.7/102

- sign -0.000+/-0.000 χ^2/NDF: 48.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 3753943.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4552440.6/29

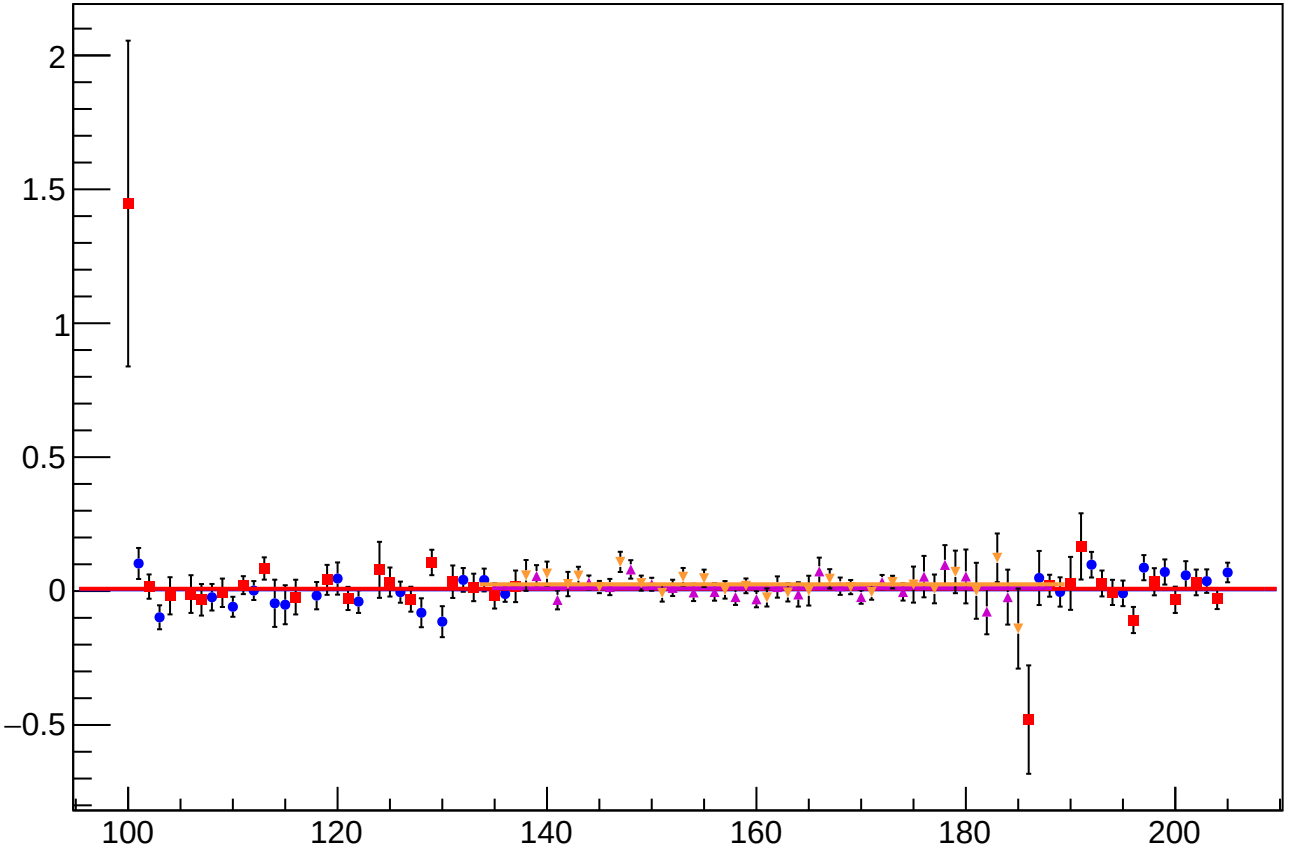
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6050268.1/49

All: 0.000+/-0.000 χ^2/NDF: 13559897.4/102

- sign 0.000+/-0.000 χ^2/NDF: 7449644.1/52

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

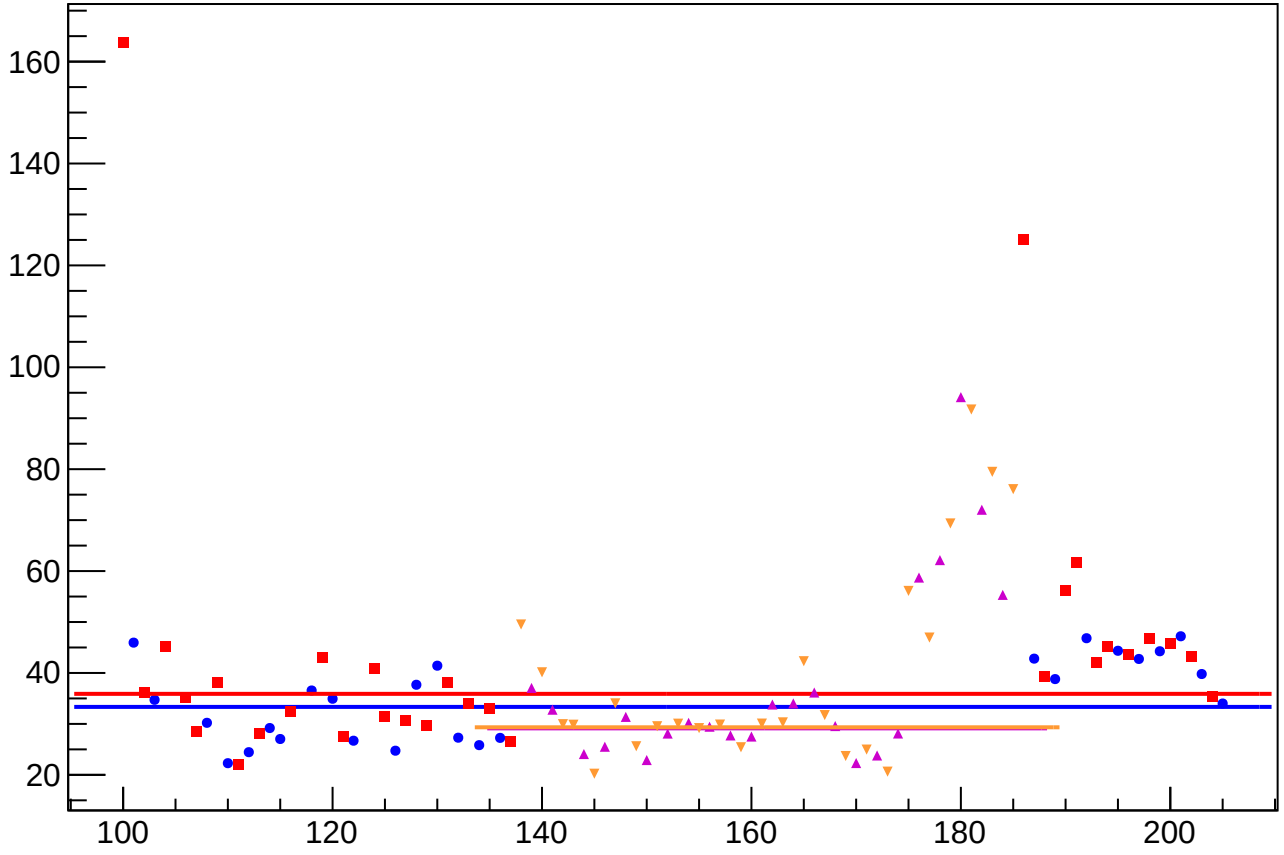
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/102

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

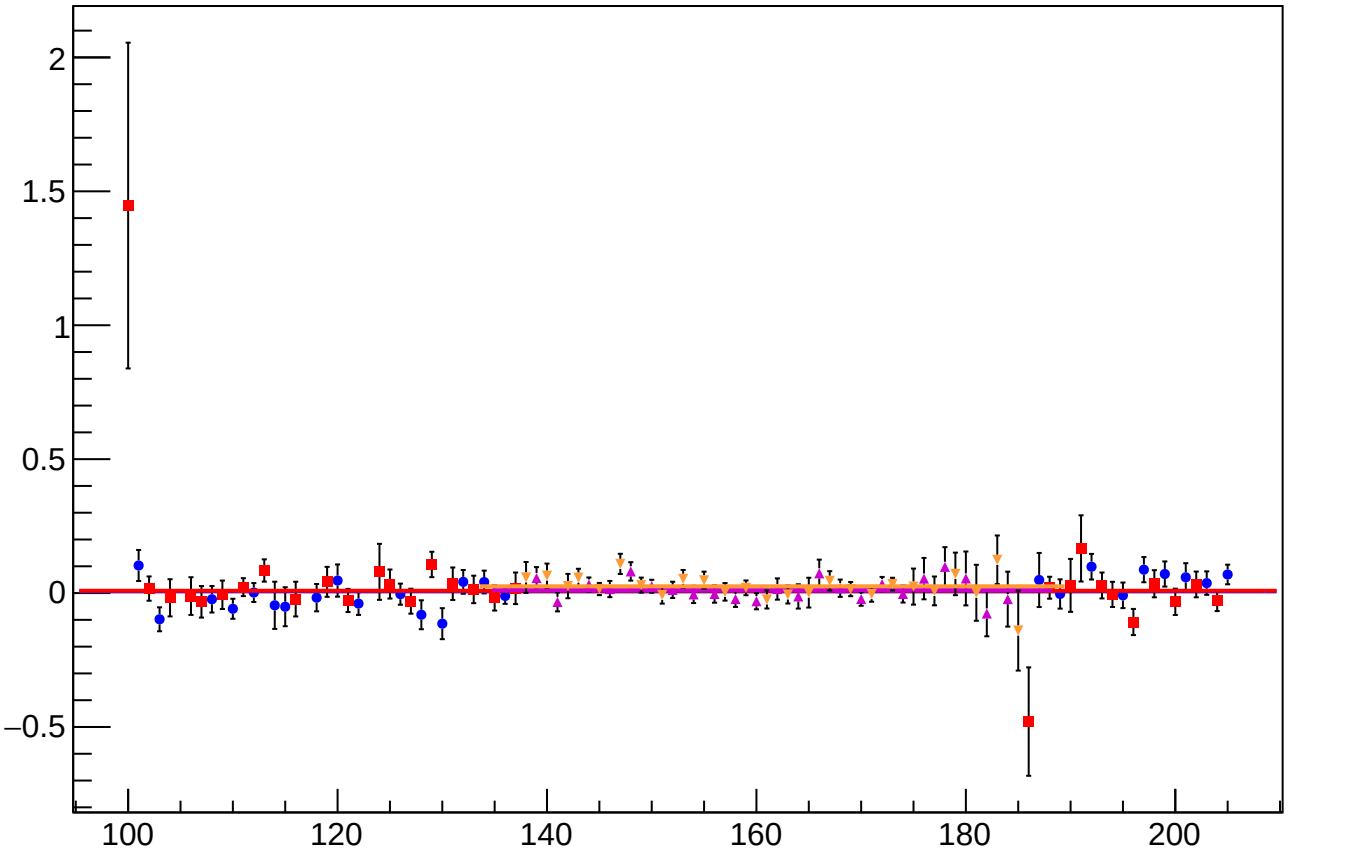
Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598094.3/49

All: 31.209+/-0.003 χ^2/NDF: 10863189.7/102

- sign 31.603+/-0.004 χ^2/NDF: 5247126.9/52



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

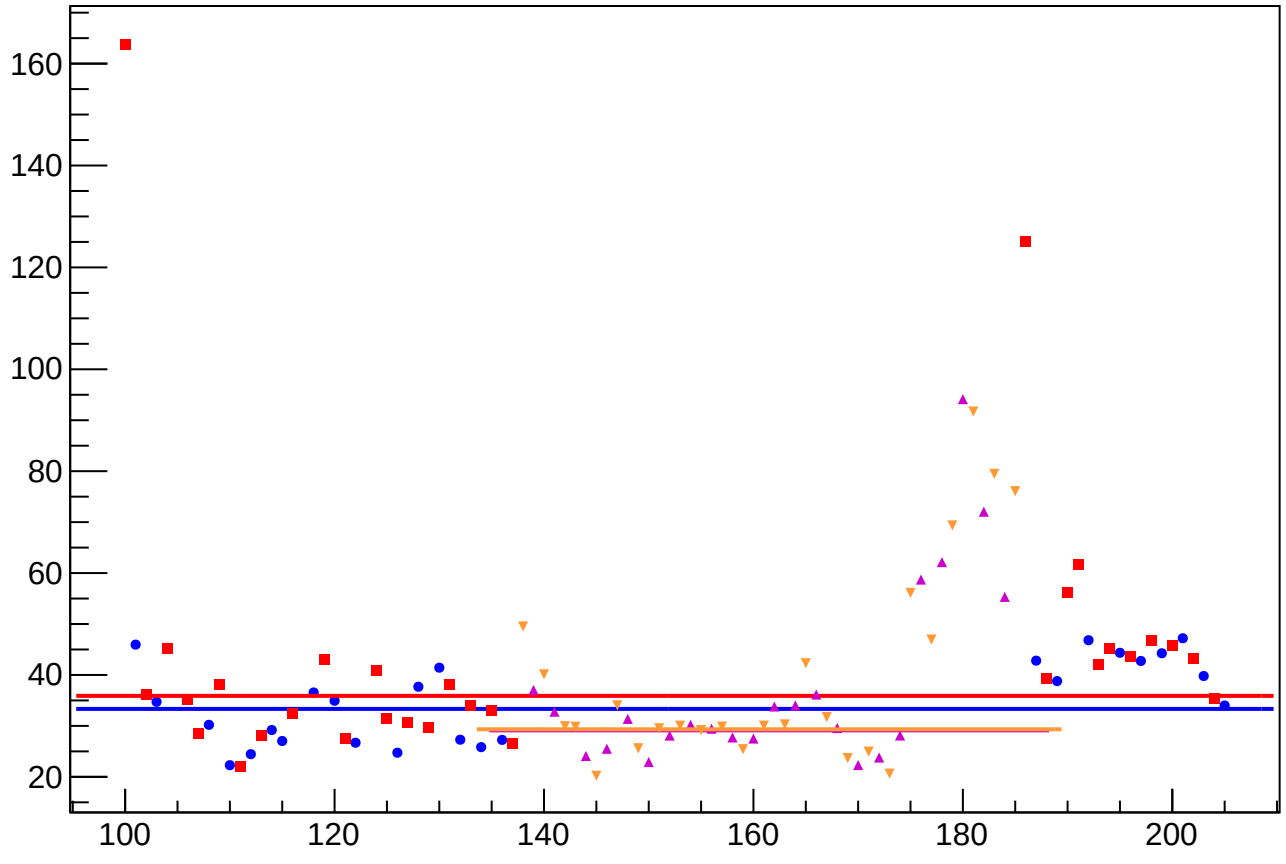
Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/102

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

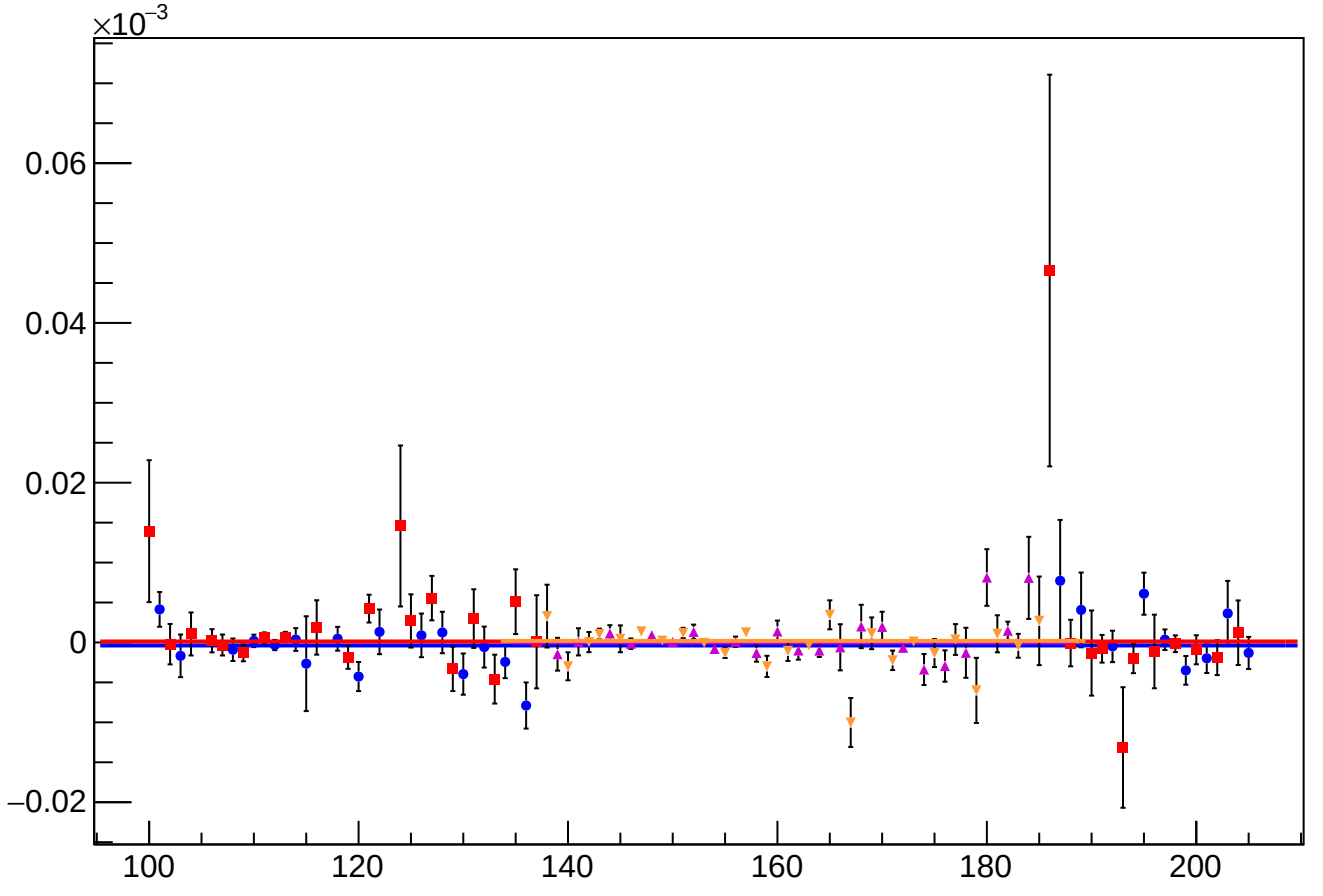
Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598094.3/49

All: 31.209+/-0.003 χ^2/NDF: 10863189.7/102

- sign 31.603+/-0.004 χ^2/NDF: 5247126.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

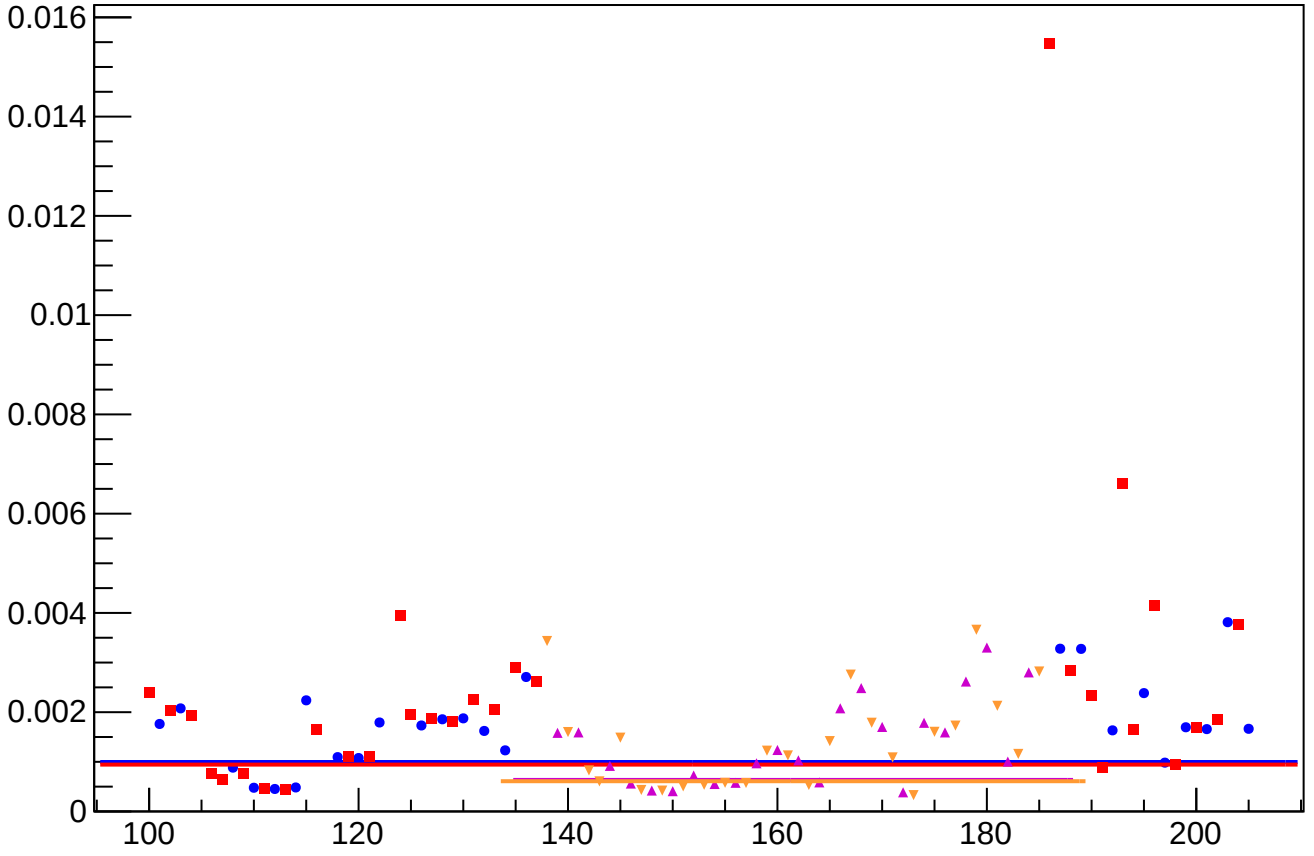
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.7/49

All: 0.000+/-0.000 χ^2/NDF: 158.4/102

- sign 0.000+/-0.000 χ^2/NDF: 68.7/52

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8039507.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

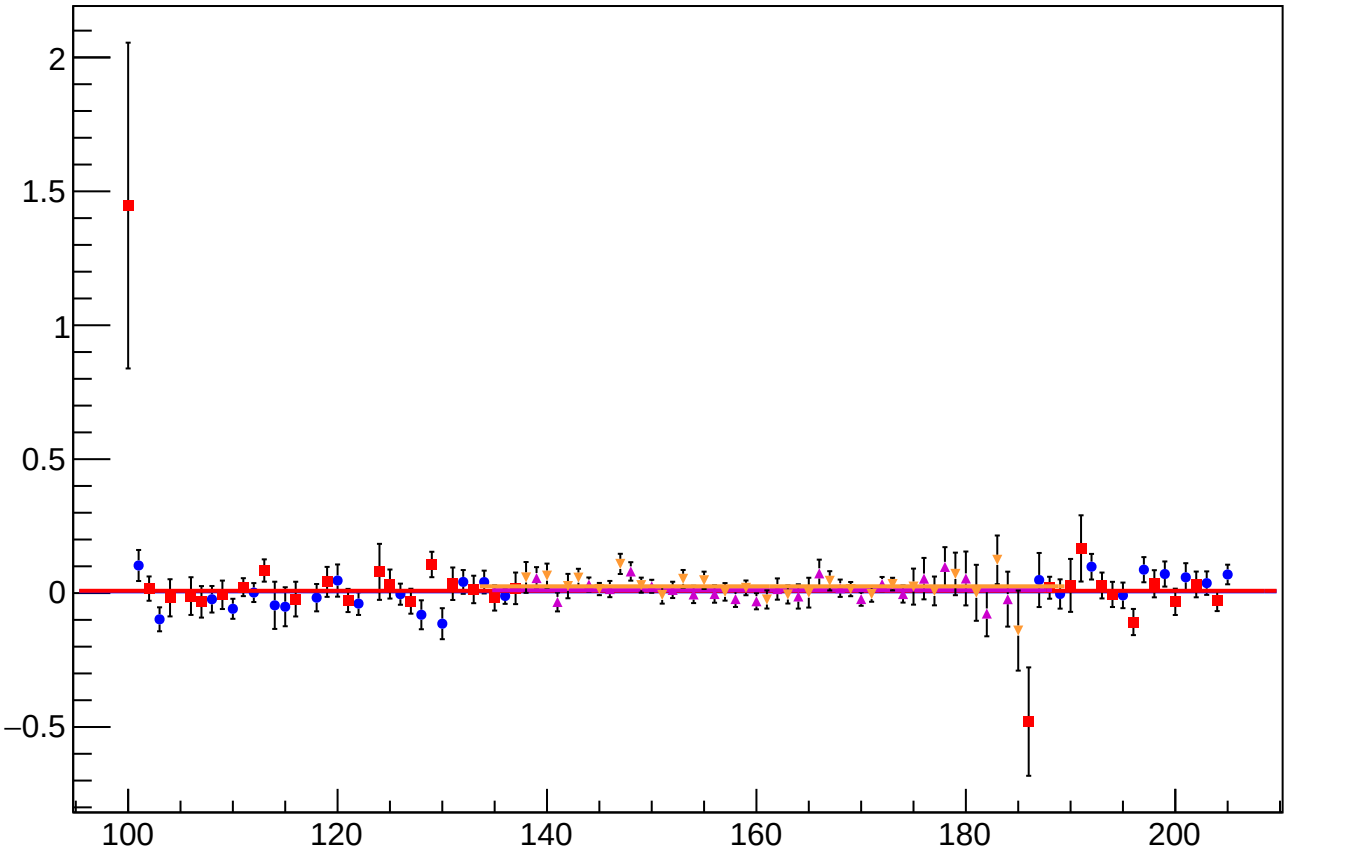
Right Out: 0.001+/-0.000 χ^2/NDF: 10813312.5/29

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 21198963.4/49

All: 0.001+/-0.000 χ^2/NDF: 42911323.3/102

- sign 0.001+/-0.000 χ^2/NDF: 21685664.1/52



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

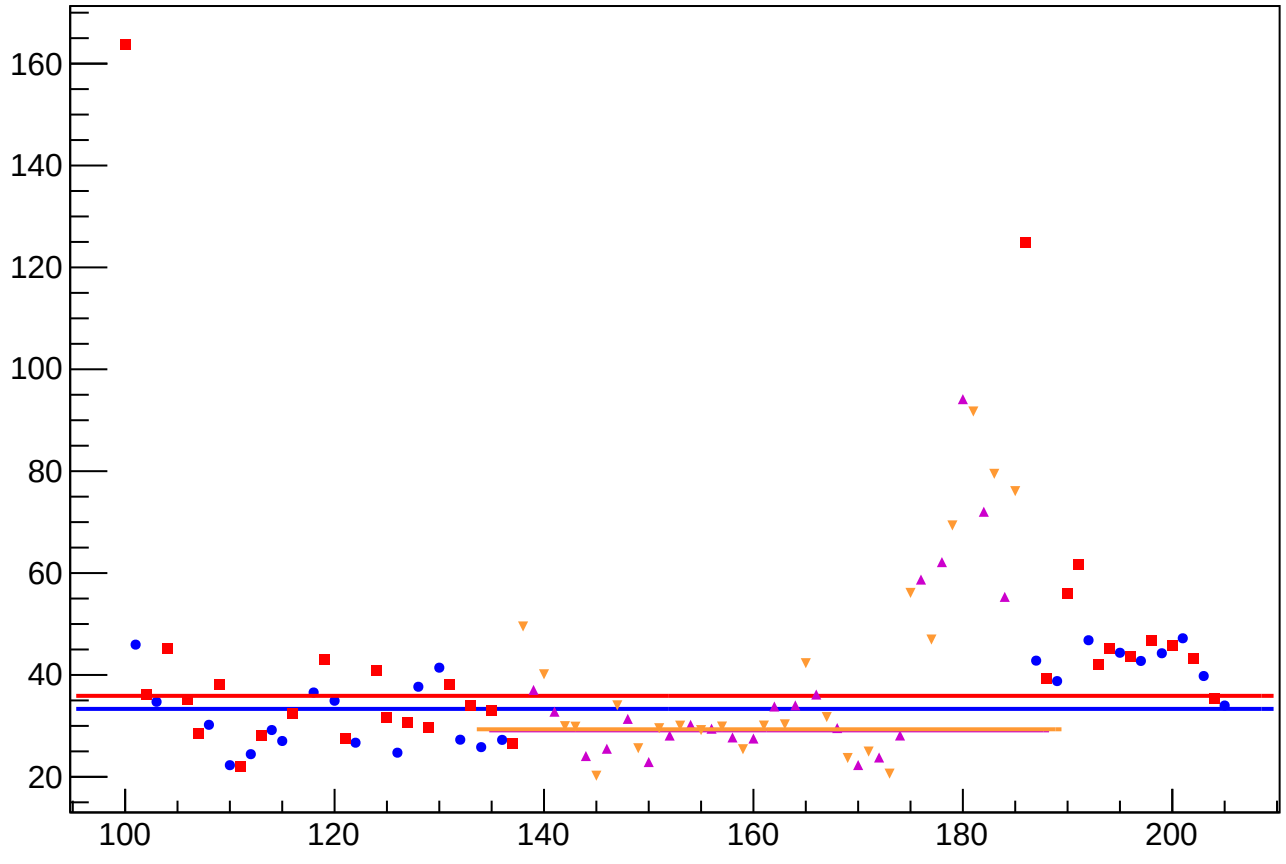
Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/102

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

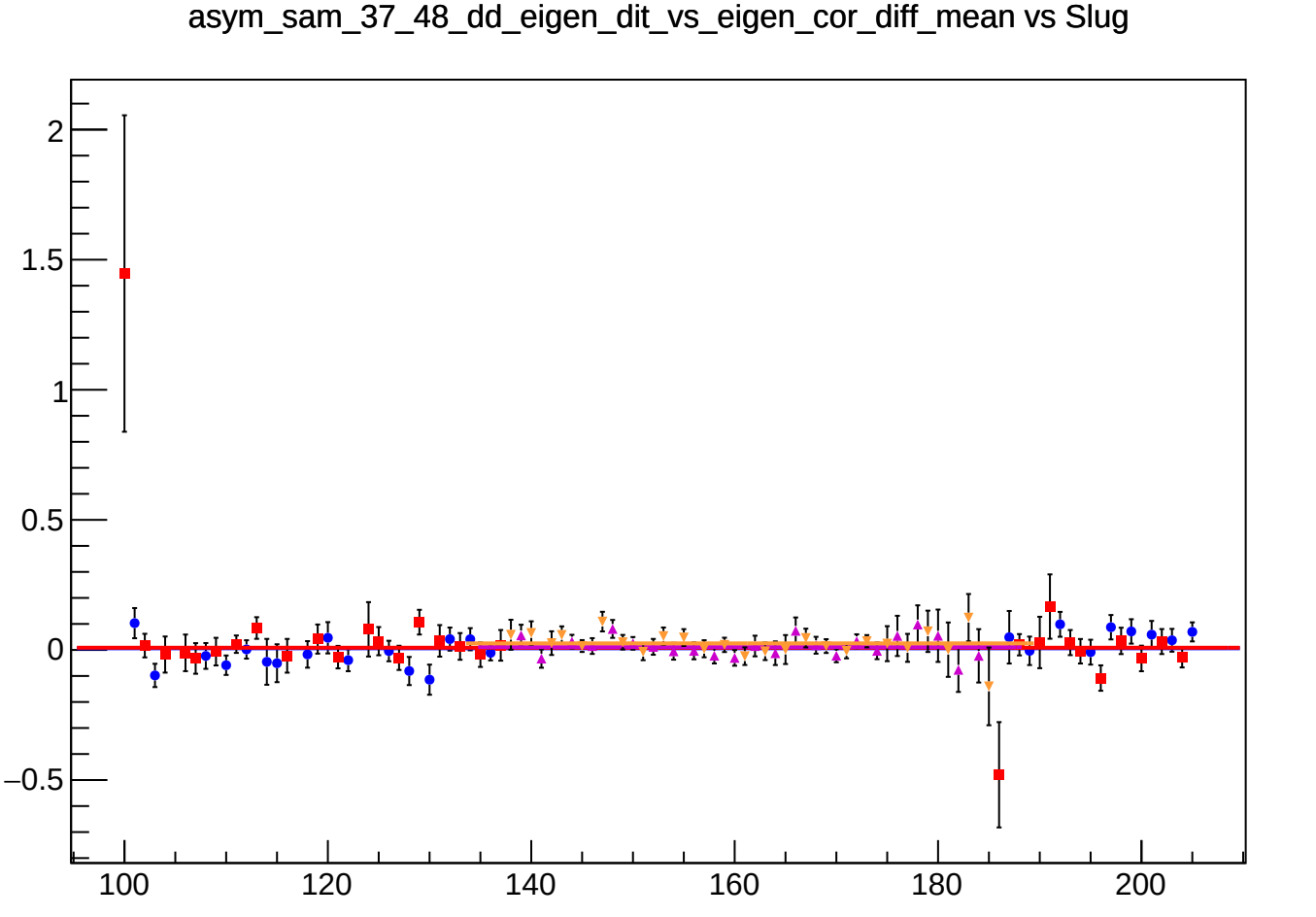
Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598095.2/49

All: 31.209+/-0.003 χ^2/NDF: 10863083.2/102

- sign 31.603+/-0.004 χ^2/NDF: 5247018.0/52



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

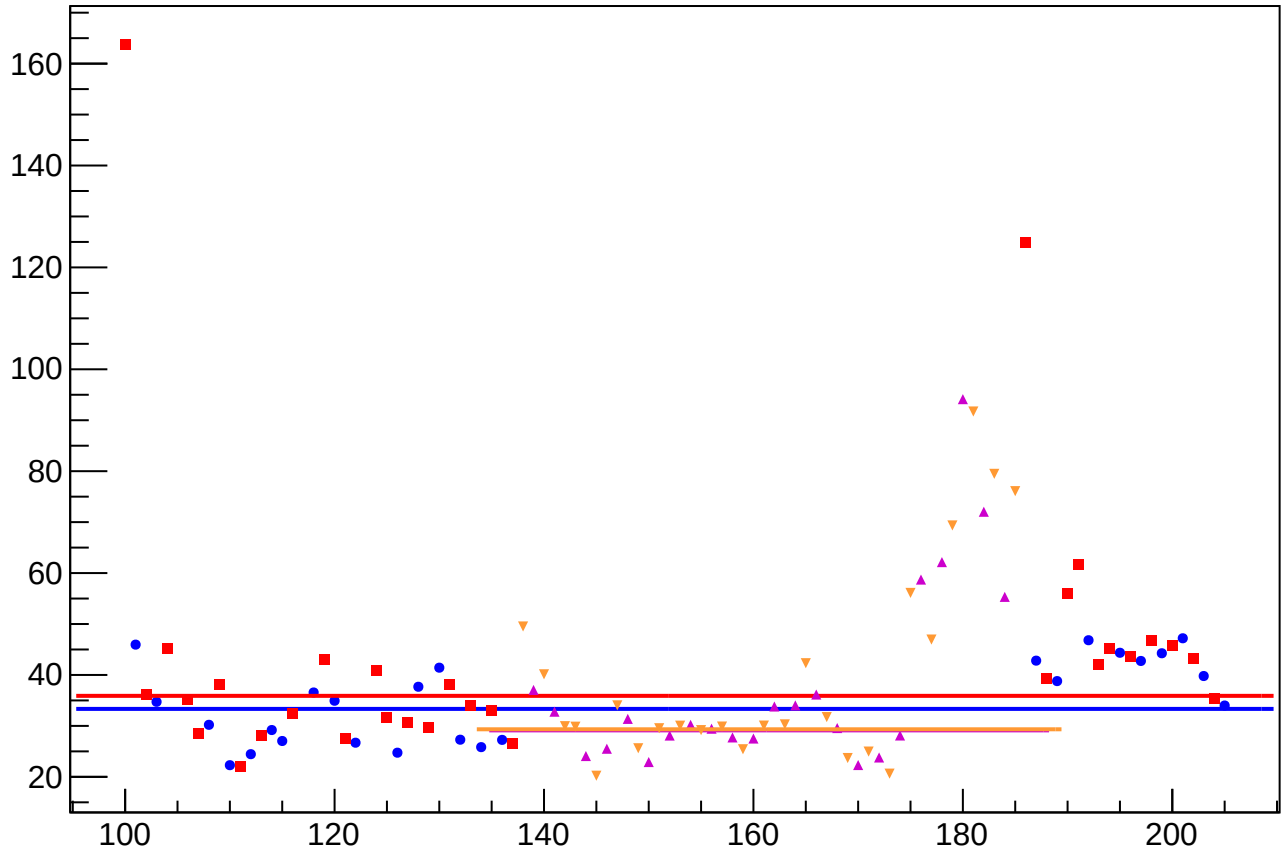
Right Out: 0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/102

- sign 0.010+/-0.006 χ^2/NDF: 52.1/52



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

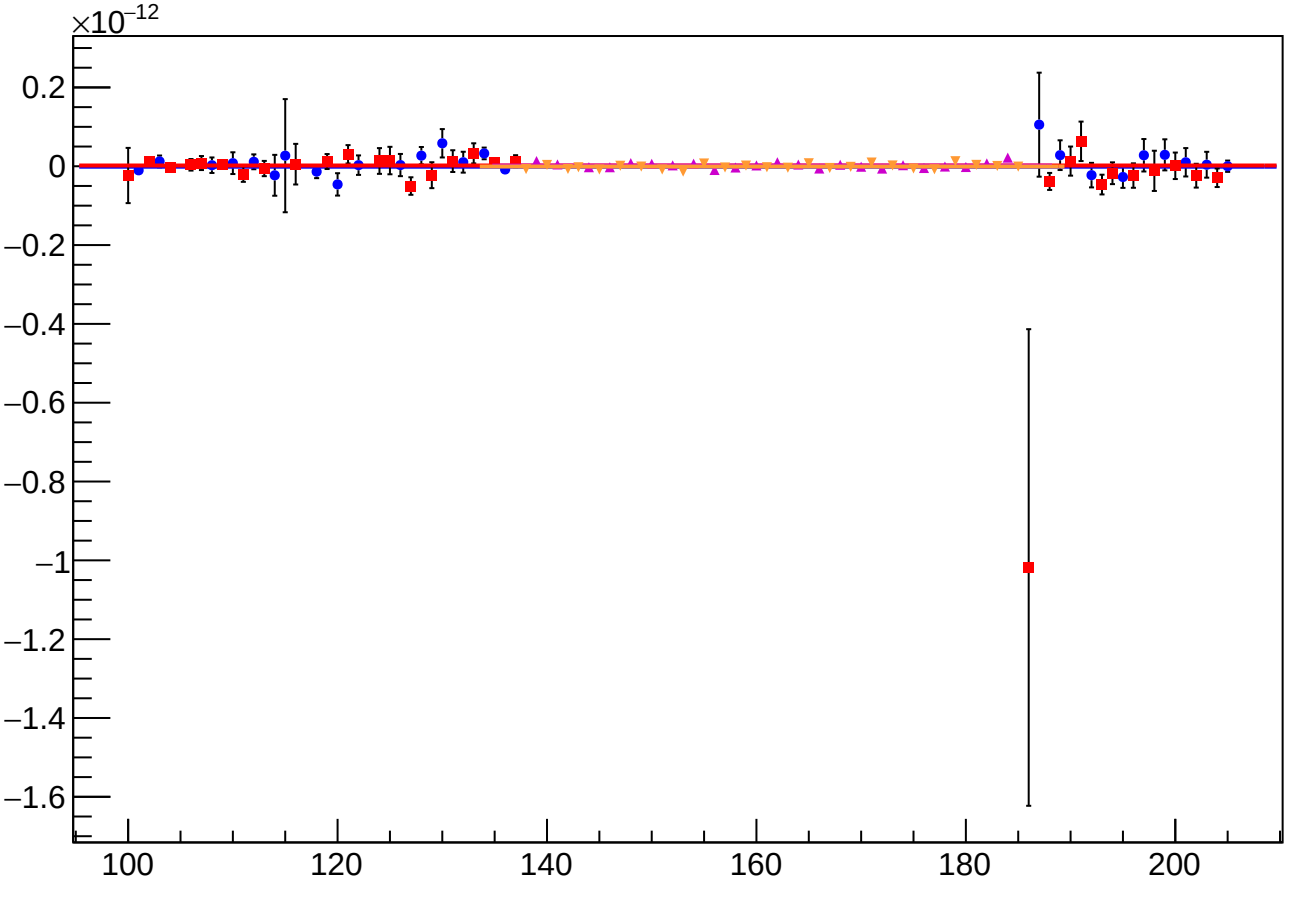
Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598095.2/49

All: 31.209+/-0.003 χ^2/NDF: 10863083.2/102

- sign 31.603+/-0.004 χ^2/NDF: 5247018.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

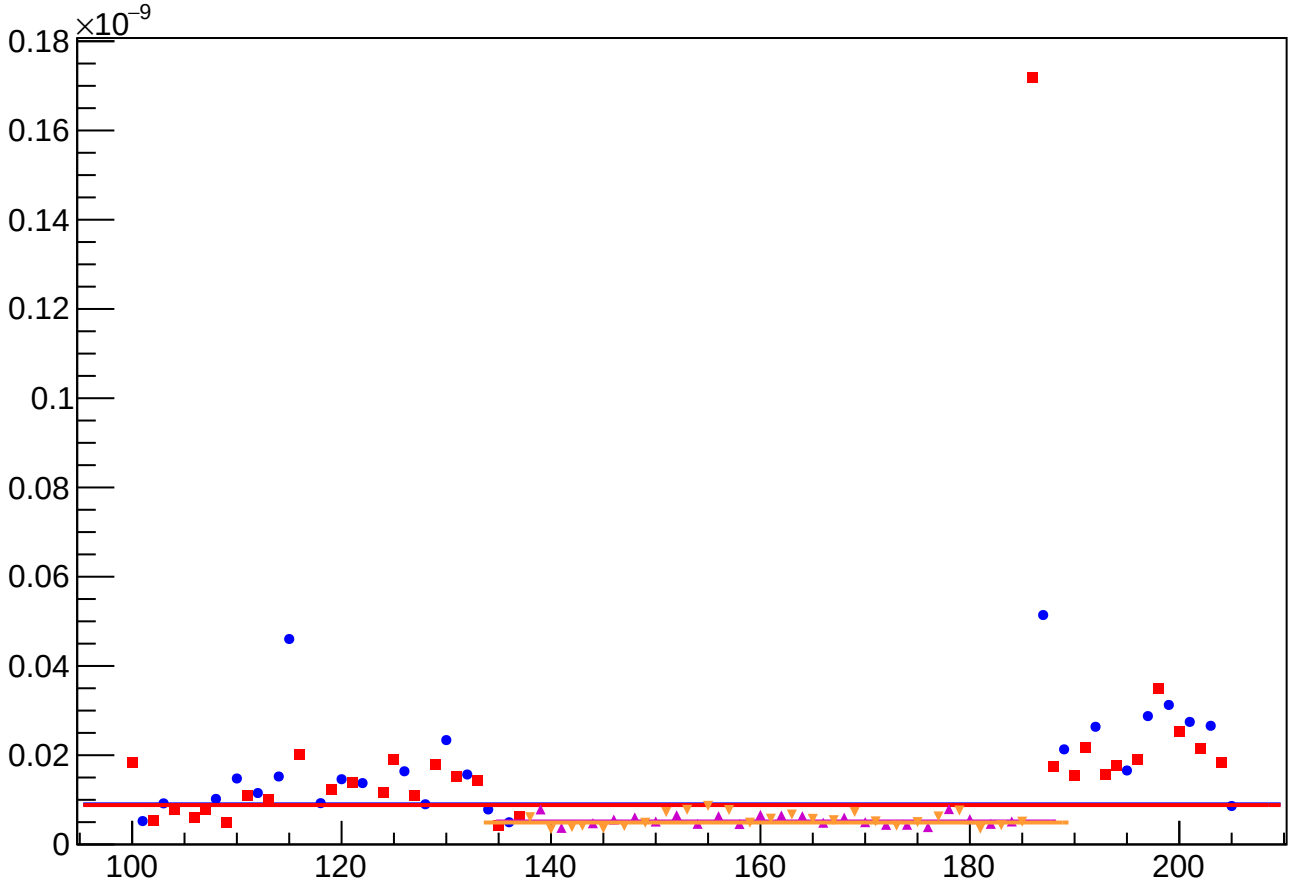
Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/49

All: 0.000+/-0.000 χ^2/NDF: 83.8/102

- sign 0.000+/-0.000 χ^2/NDF: 46.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 5678206.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5285272.3/29

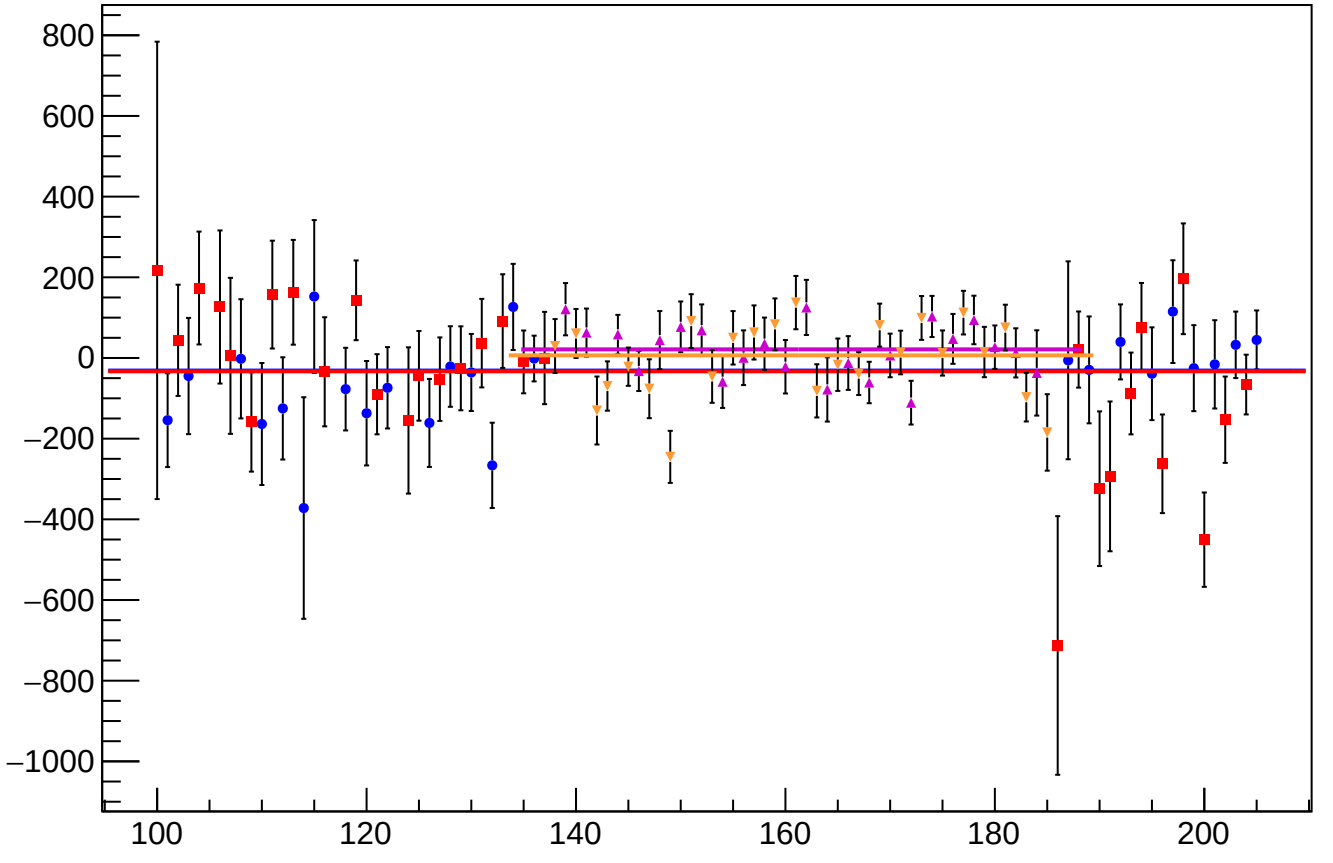
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9824408.4/49

All: 0.000+/-0.000 χ^2/NDF: 18102037.2/102

- sign 0.000+/-0.000 χ^2/NDF: 8238757.9/52

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -31.254+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -33.001+/-21.733 χ^2/NDF: 45.4/29

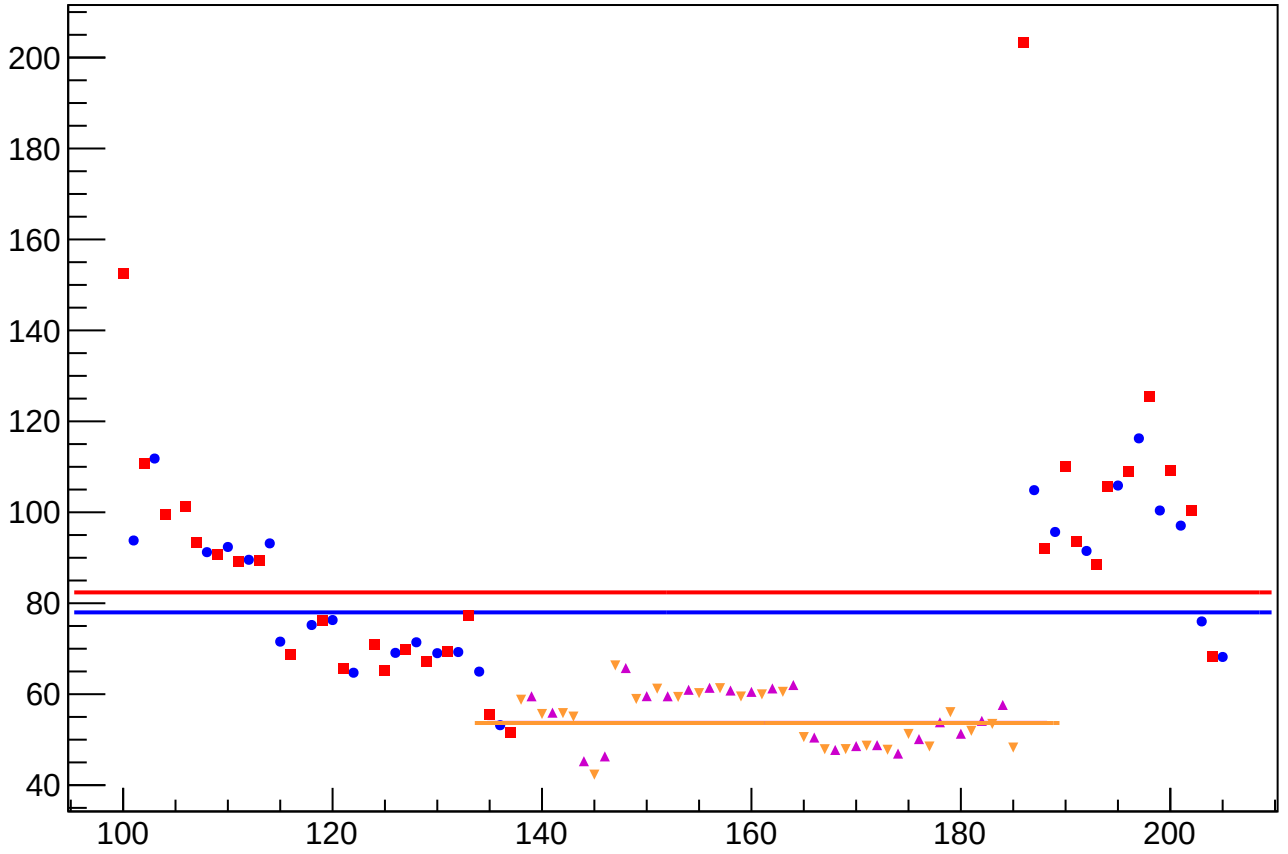
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -2.840+/-10.656 χ^2/NDF: 71.4/49

All: 2.240+/-7.631 χ^2/NDF: 147.3/102

- sign 7.587+/-10.932 χ^2/NDF: 75.4/52

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 77.991+/-0.015 χ^2/NDF: 1295076.9/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.386+/-0.015 χ^2/NDF: 1799329.8/29

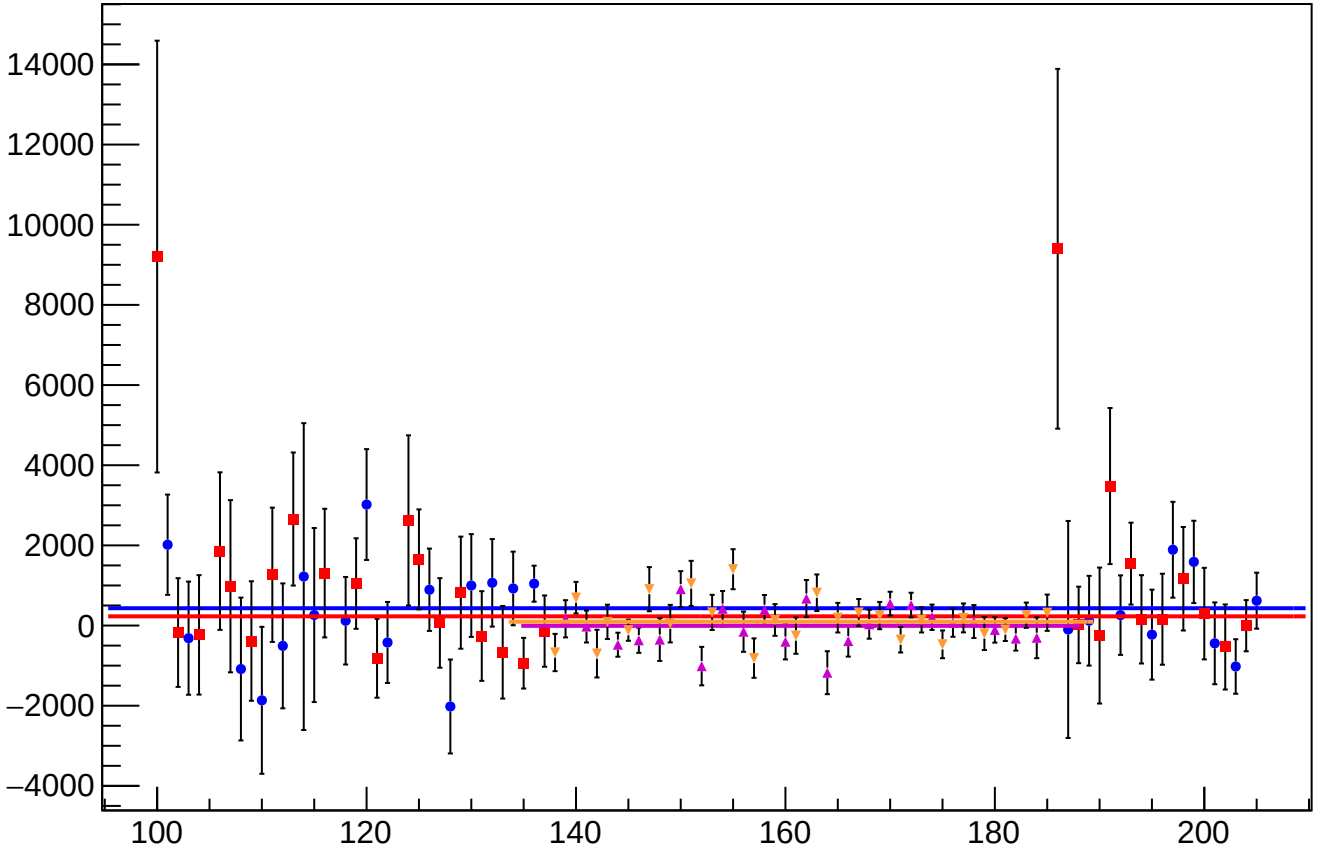
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.694+/-0.008 χ^2/NDF: 3709988.0/49

All: 60.308+/-0.005 χ^2/NDF: 8597834.3/102

- sign 60.954+/-0.008 χ^2/NDF: 4874221.7/52

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 432.318+/-205.814 χ^2/NDF: 24.8/24

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 229.445+/-216.197 χ^2/NDF: 25.7/29

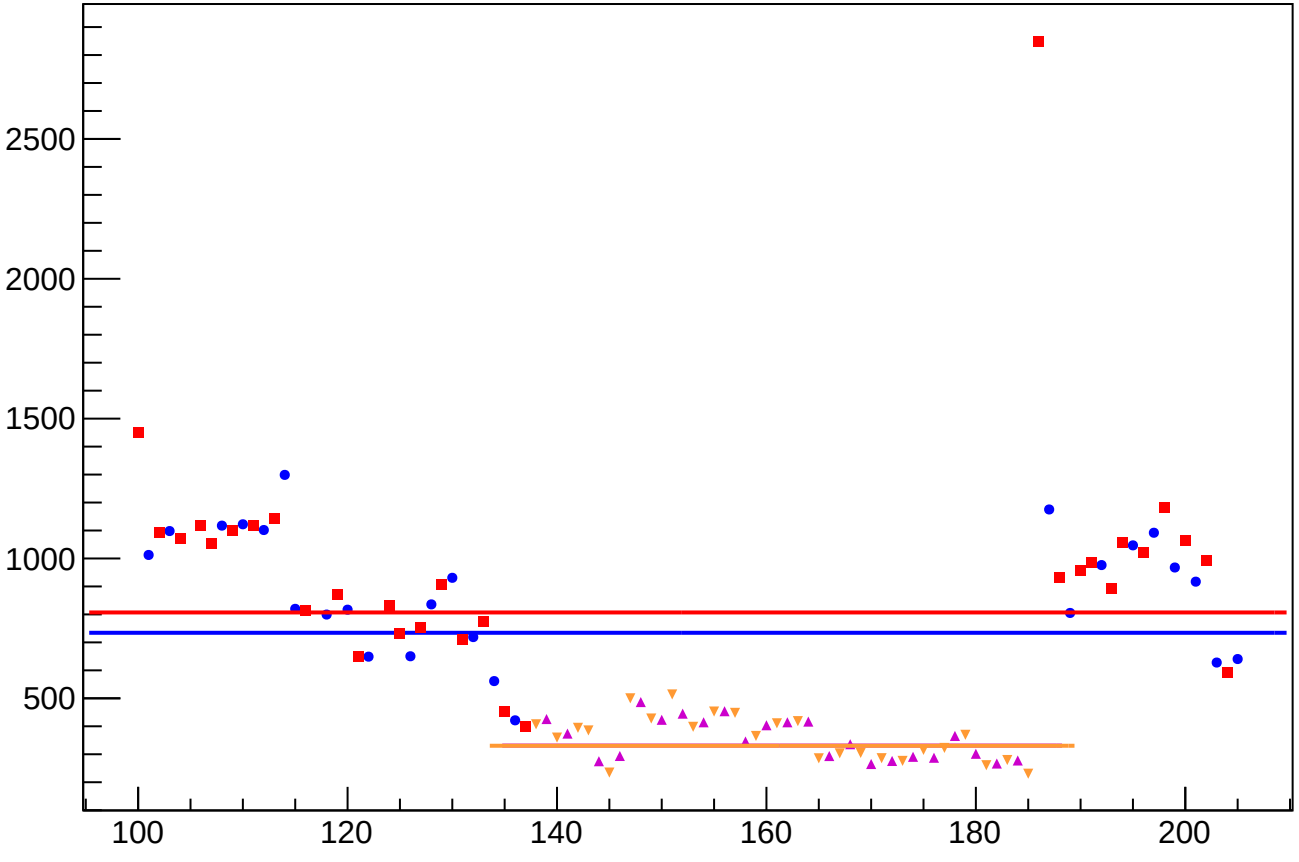
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 136.943+/-72.228 χ^2/NDF: 60.3/49

All: 80.204+/-51.792 χ^2/NDF: 120.6/102

- sign 20.155+/-74.305 χ^2/NDF: 59.0/52

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 734.303+/-0.146 χ^2/NDF: 2483697.0/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 806.997+/-0.153 χ^2/NDF: 2863822.6/29

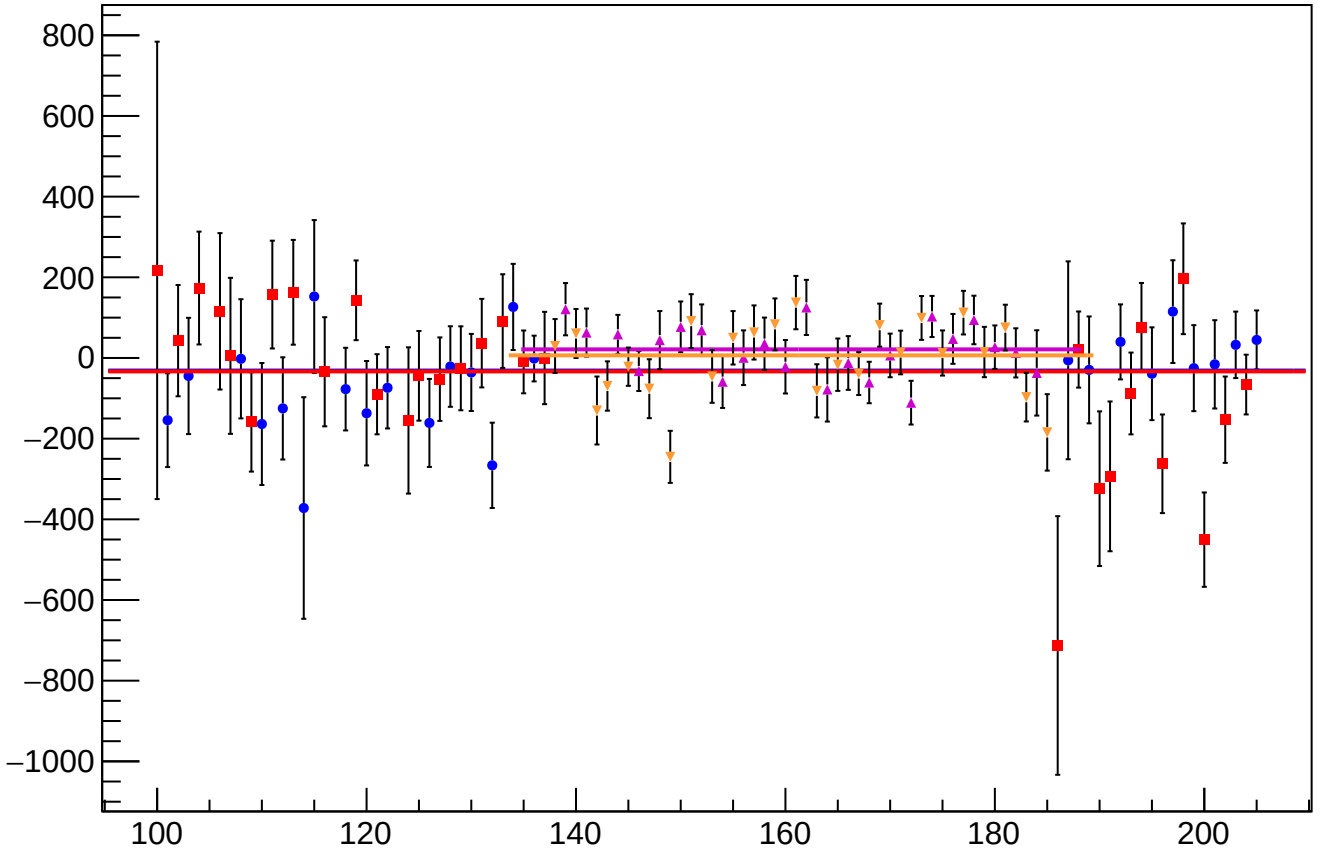
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 380.149+/-0.051 χ^2/NDF: 10989885.9/49

All: 383.613+/-0.037 χ^2/NDF: 23736312.5/10

- sign 387.279+/-0.053 χ^2/NDF: 12736958.0/52

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -33.246+/-21.740 χ^2/NDF: 45.2/29

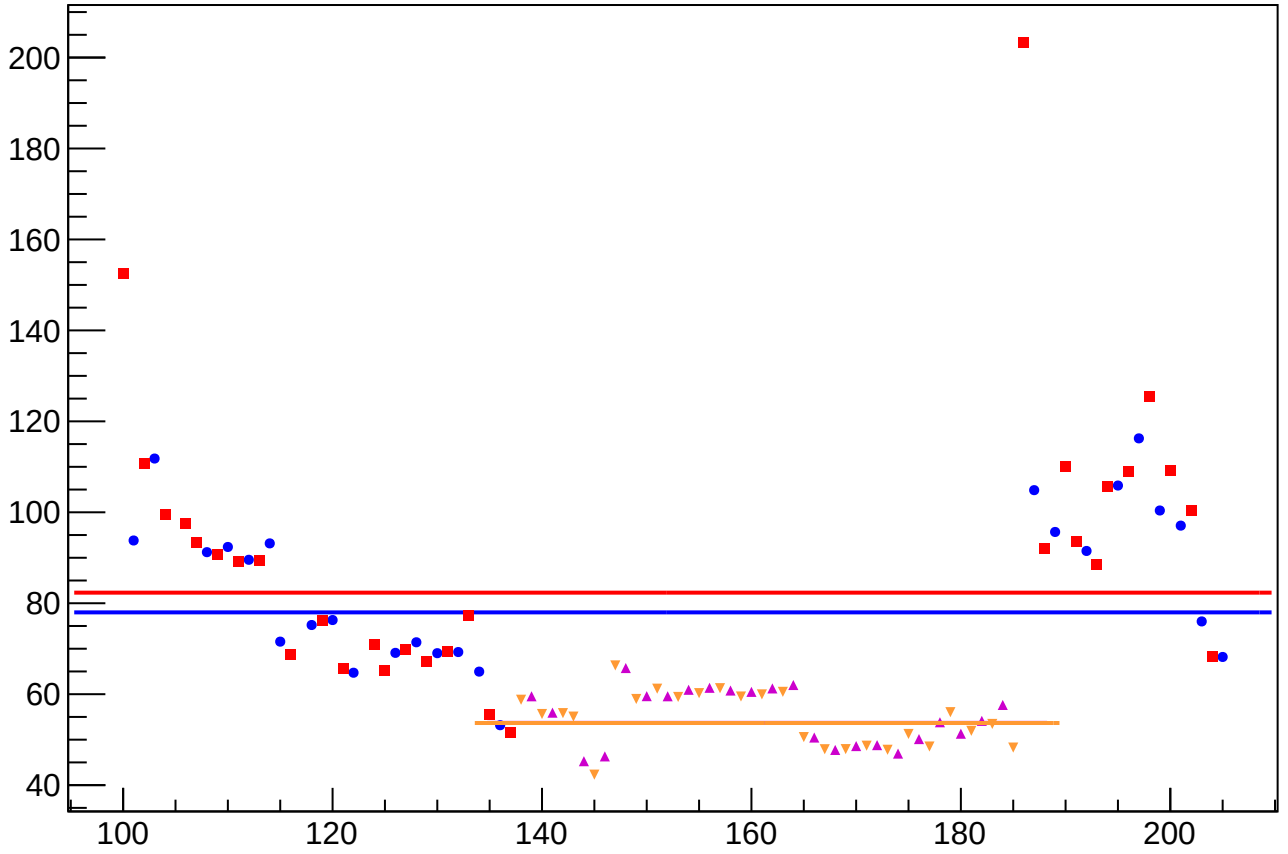
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -2.836+/-10.656 χ^2/NDF: 71.4/49

All: 2.214+/-7.631 χ^2/NDF: 147.2/102

- sign 7.530+/-10.933 χ^2/NDF: 75.3/52

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

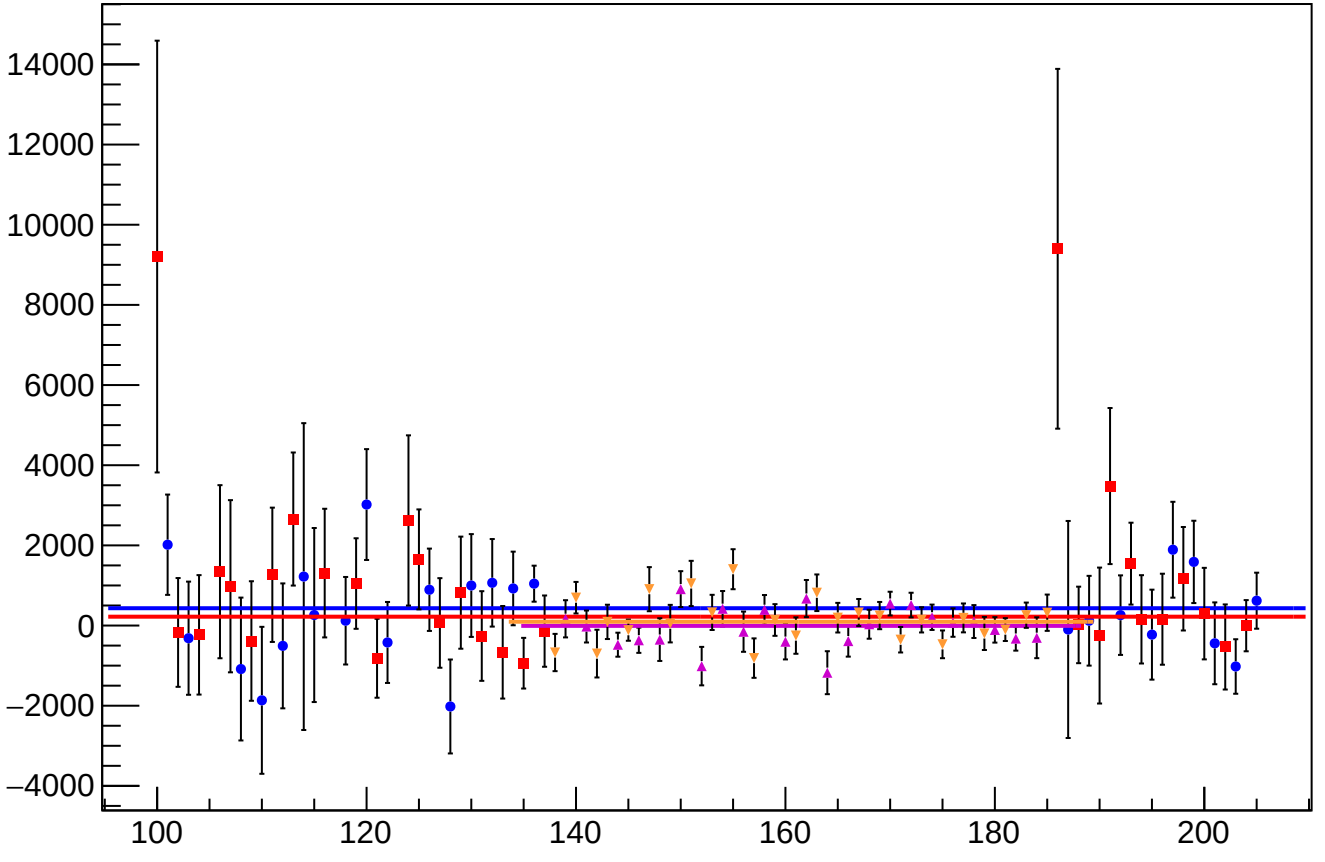
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.694+/-0.008 χ^2/NDF: 3709990.6/49

All: 60.300+/-0.005 χ^2/NDF: 8578892.2/102

- sign 60.937+/-0.008 χ^2/NDF: 4855651.1/52

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 432.312+/-205.815 χ^2/NDF: 24.8/24

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 220.986+/-216.425 χ^2/NDF: 25.2/29

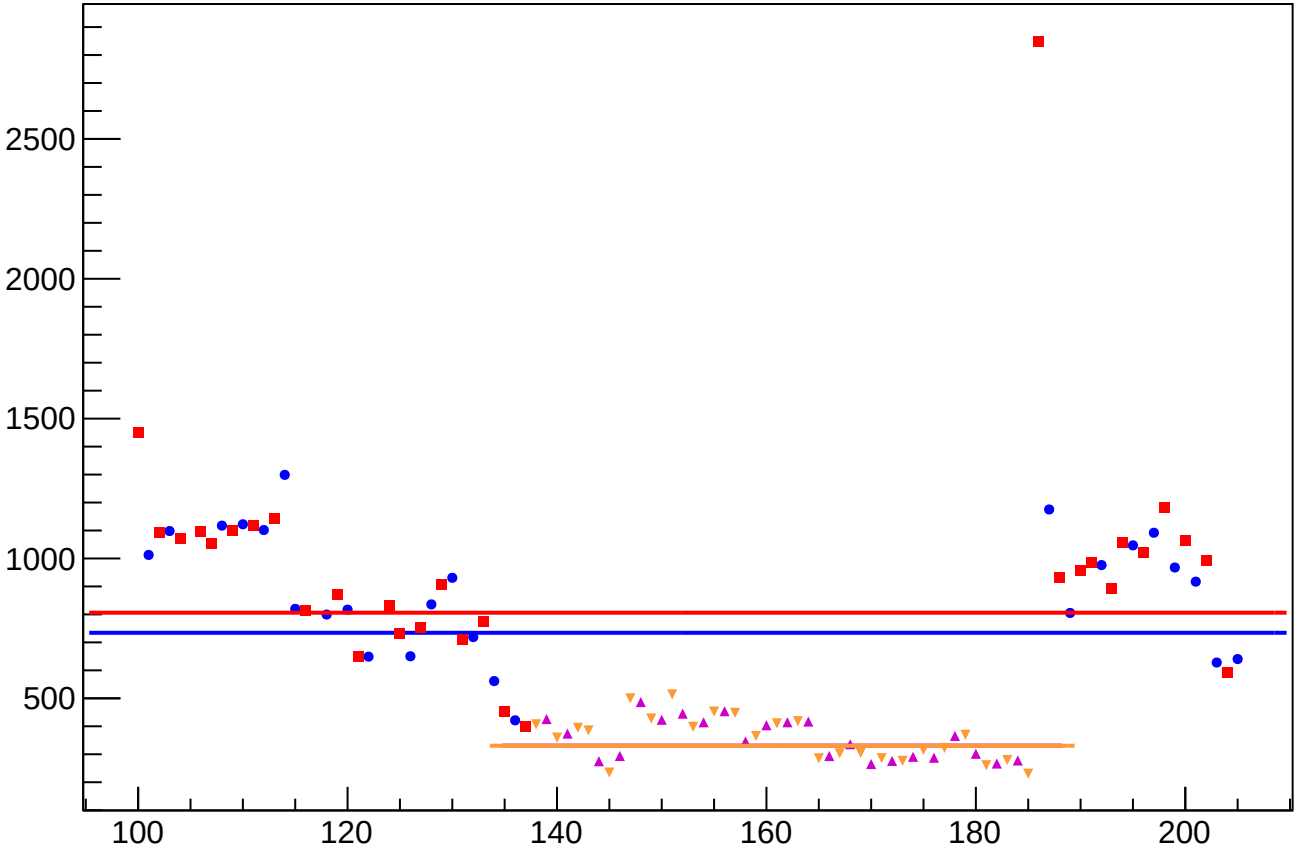
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 136.945+/-72.228 χ^2/NDF: 60.3/49

All: 79.704+/-51.795 χ^2/NDF: 120.1/102

- sign 19.109+/-74.314 χ^2/NDF: 58.5/52

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

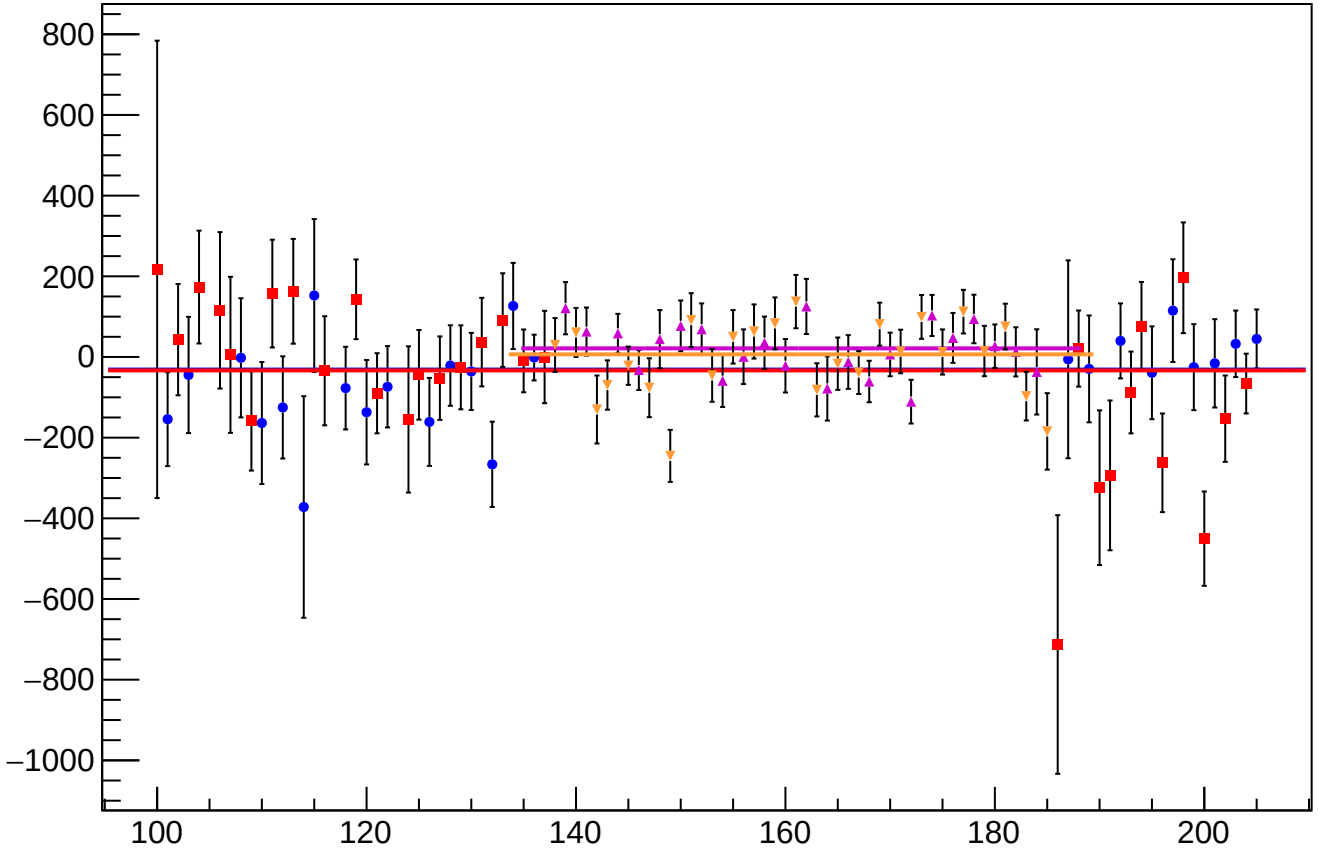
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 380.149+/-0.051 χ^2/NDF: 10989906.6/49

All: 383.512+/-0.037 χ^2/NDF: 23674713.0/10

- sign 387.072+/-0.053 χ^2/NDF: 12675880.1/52

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -33.246+/-21.740 χ^2/NDF: 45.2/29

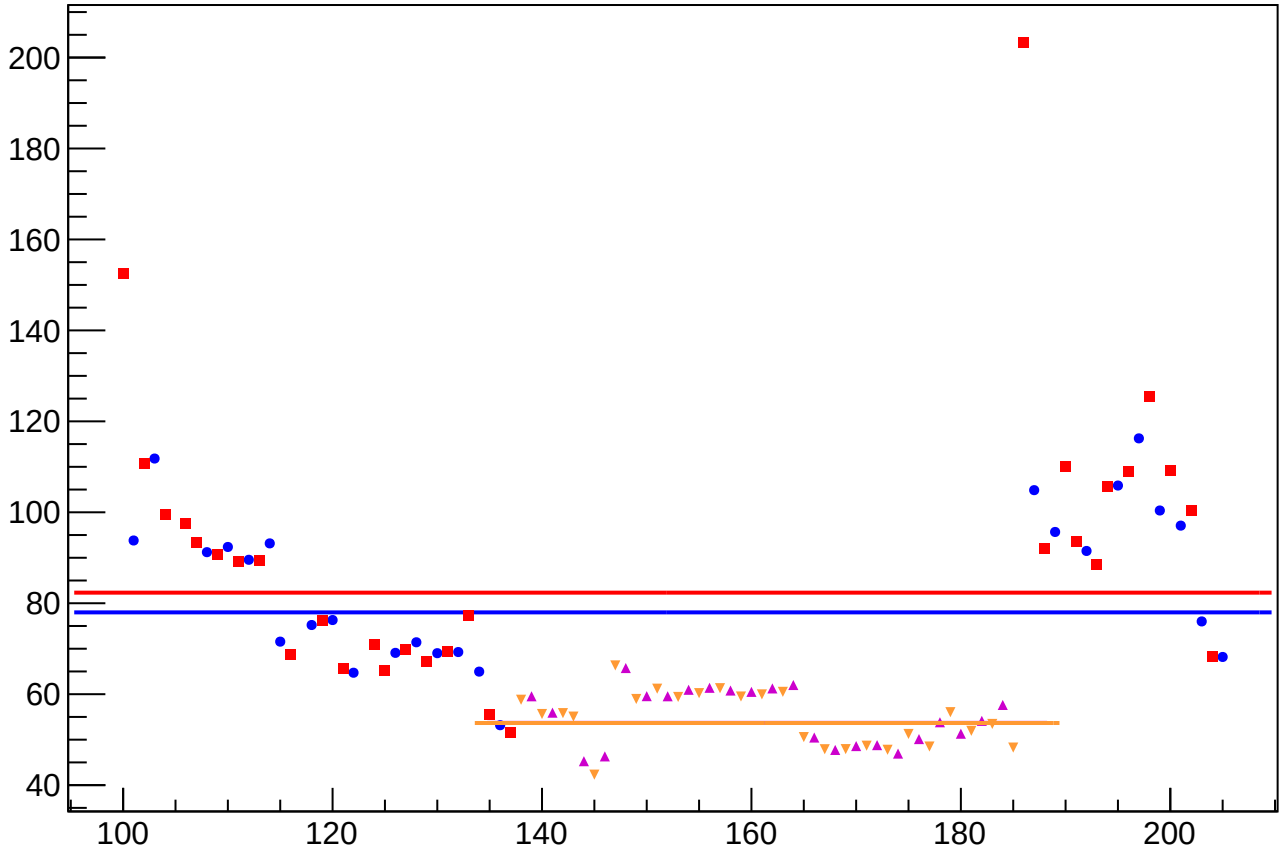
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -2.836+/-10.656 χ^2/NDF: 71.4/49

All: 2.214+/-7.631 χ^2/NDF: 147.2/102

- sign 7.530+/-10.933 χ^2/NDF: 75.3/52

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

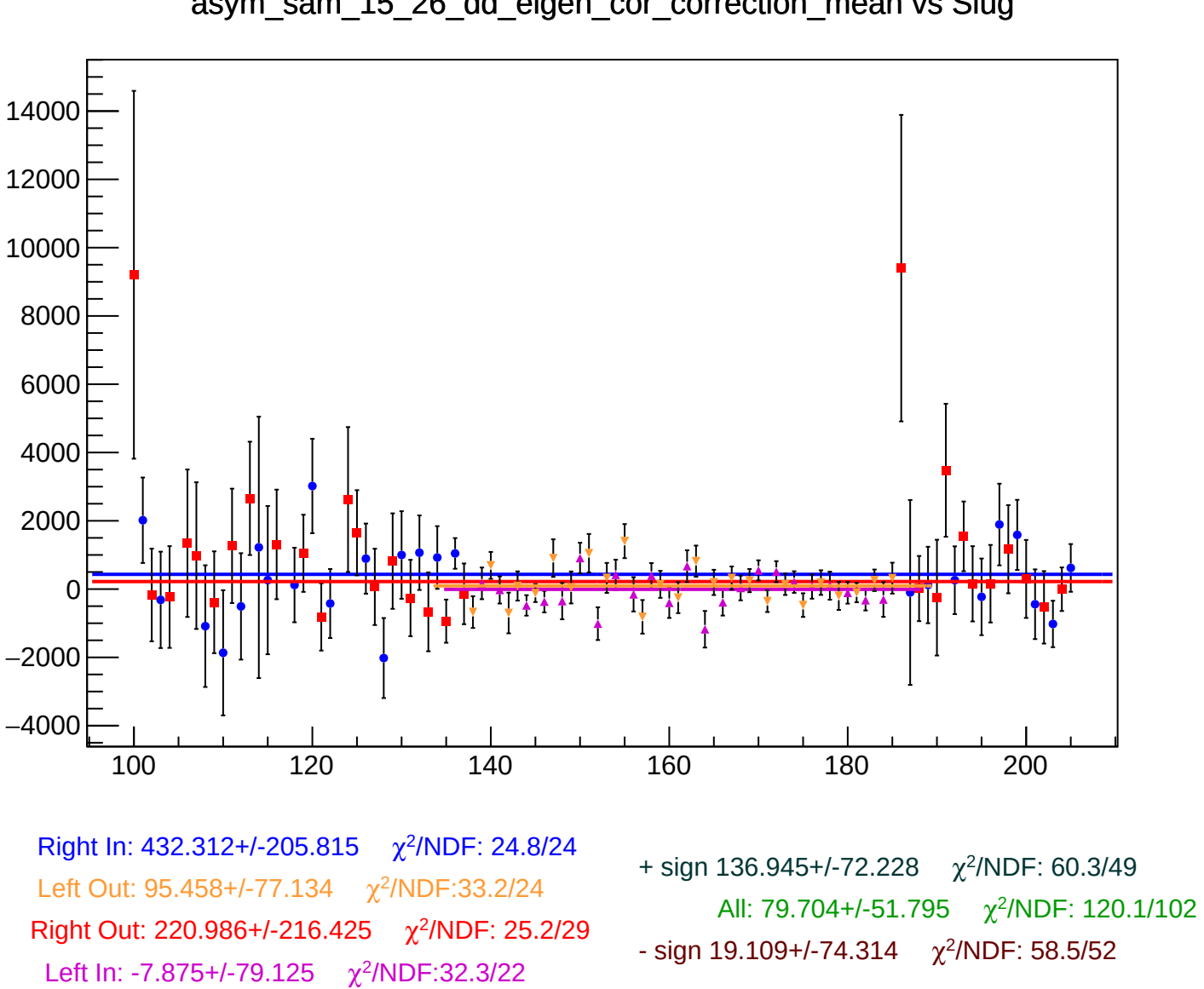
Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

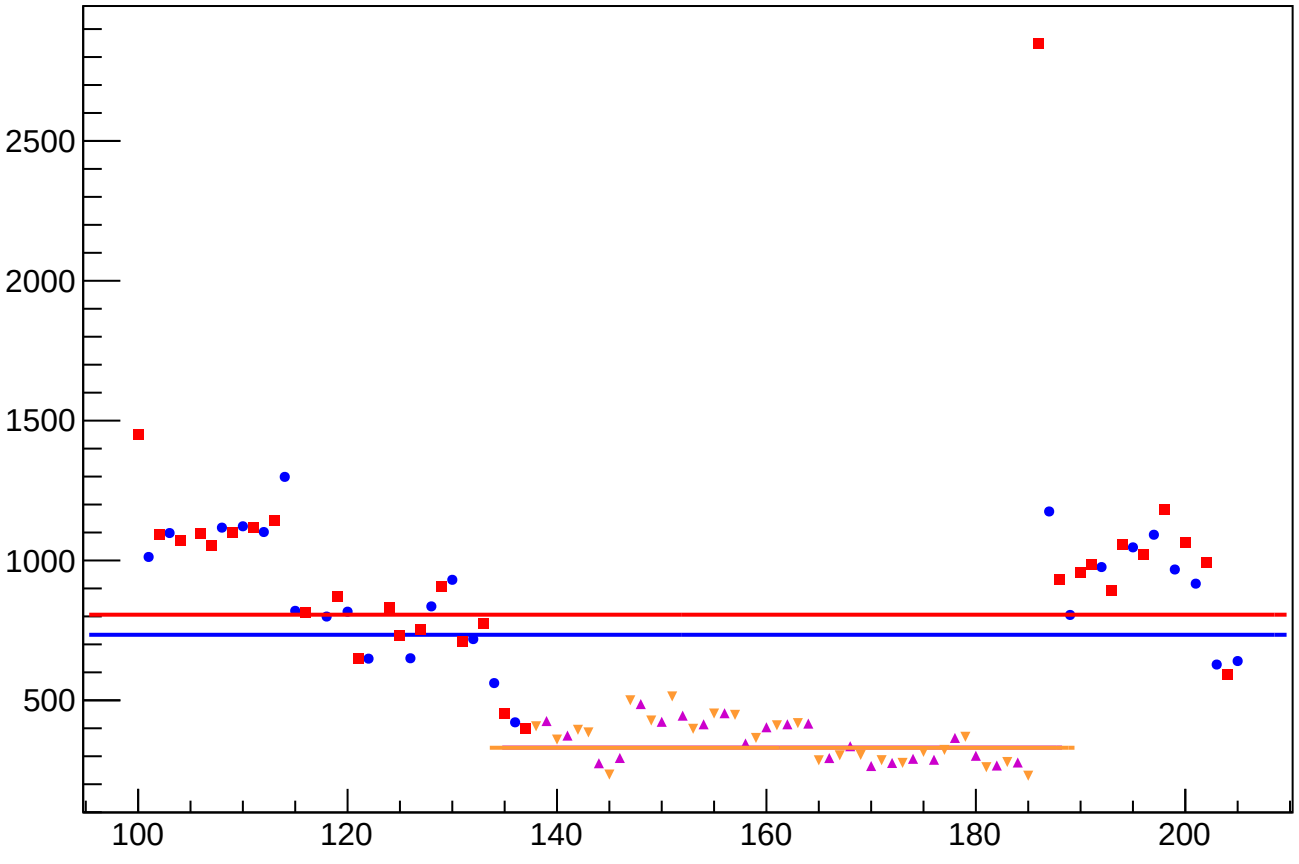
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.694+/-0.008 χ^2/NDF: 3709990.6/49

All: 60.300+/-0.005 χ^2/NDF: 8578892.2/102

- sign 60.937+/-0.008 χ^2/NDF: 4855651.1/52


asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 432.312+/-205.815 χ²/NDF: 24.8/24
Left Out: 95.458+/-77.134 χ²/NDF:33.2/24
Right Out: 220.986+/-216.425 χ²/NDF: 25.2/29
Left In: -7.875+/-79.125 χ²/NDF:32.3/22
+ sign 136.945+/-72.228 χ²/NDF: 60.3/49
All: 79.704+/-51.795 χ²/NDF: 120.1/102
- sign 19.109+/-74.314 χ²/NDF: 58.5/52



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

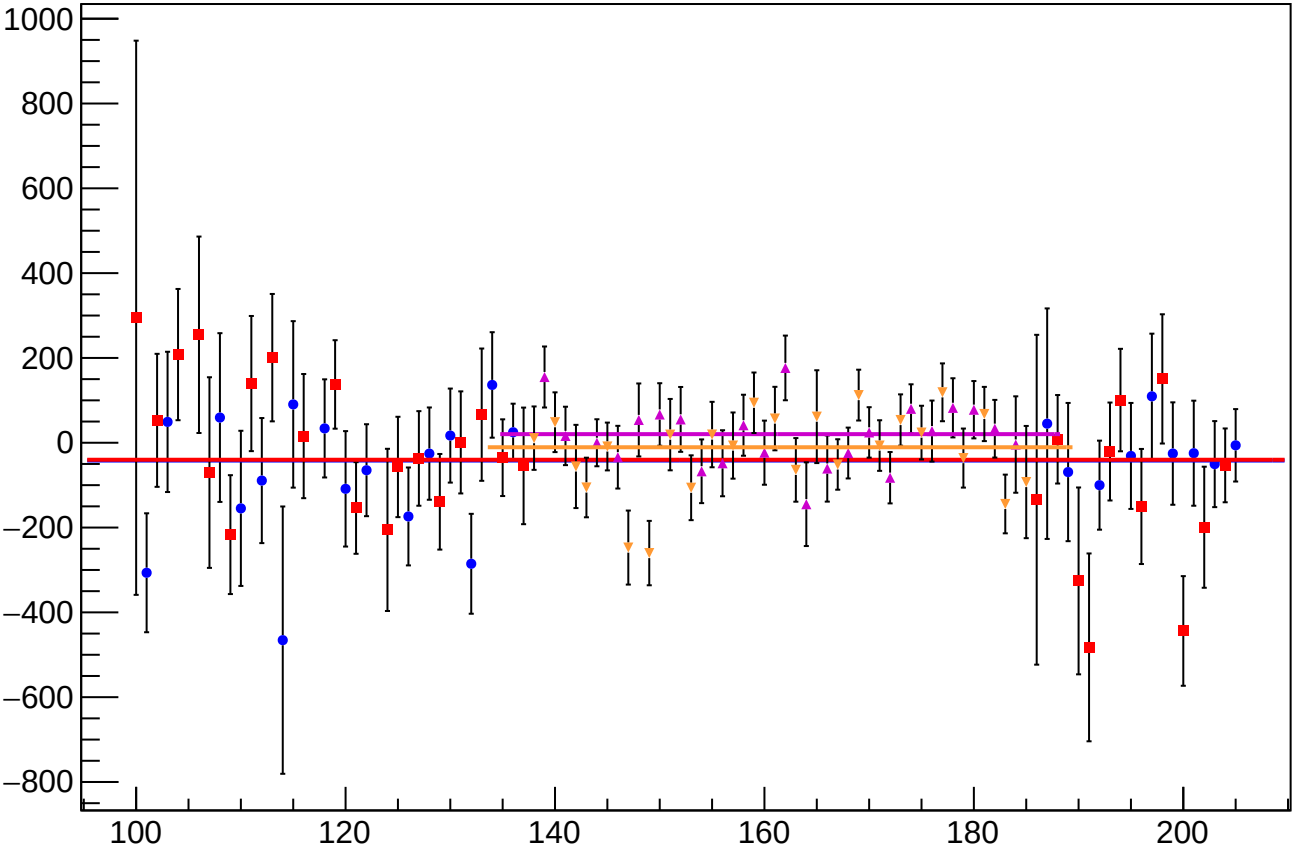
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 380.149+/-0.051 χ^2/NDF: 10989906.6/49

All: 383.512+/-0.037 χ^2/NDF: 23674713.0/10

- sign 387.072+/-0.053 χ^2/NDF: 12675880.1/52

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -41.917+/-24.572 χ^2/NDF: 18.2/24

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.092+/-24.647 χ^2/NDF: 37.1/29

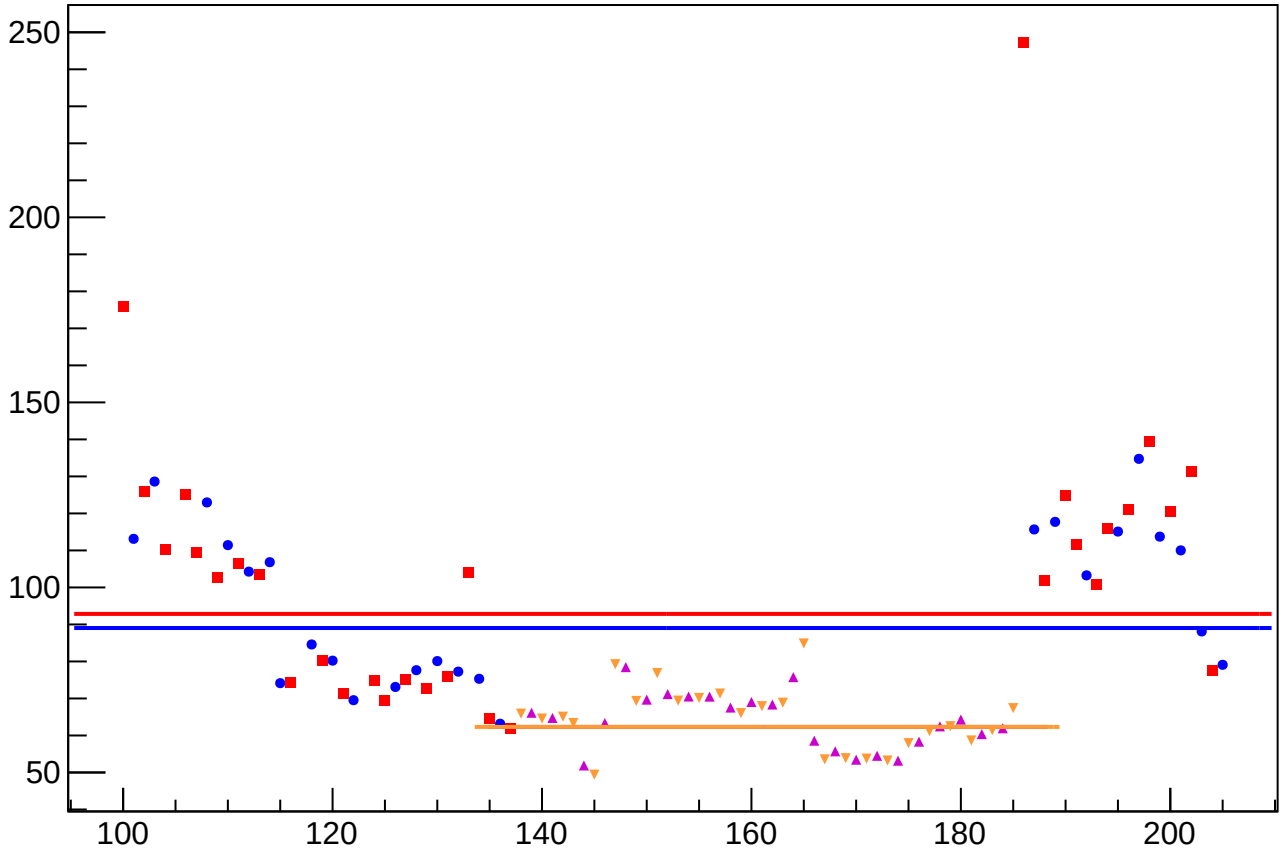
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.542+/-12.366 χ^2/NDF: 61.6/49

All: -7.348+/-8.845 χ^2/NDF: 126.5/102

- sign 4.379+/-12.657 χ^2/NDF: 63.2/52

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.035+/-0.017 χ^2/NDF: 1354100.3/24

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 92.850+/-0.017 χ^2/NDF: 1970189.1/29

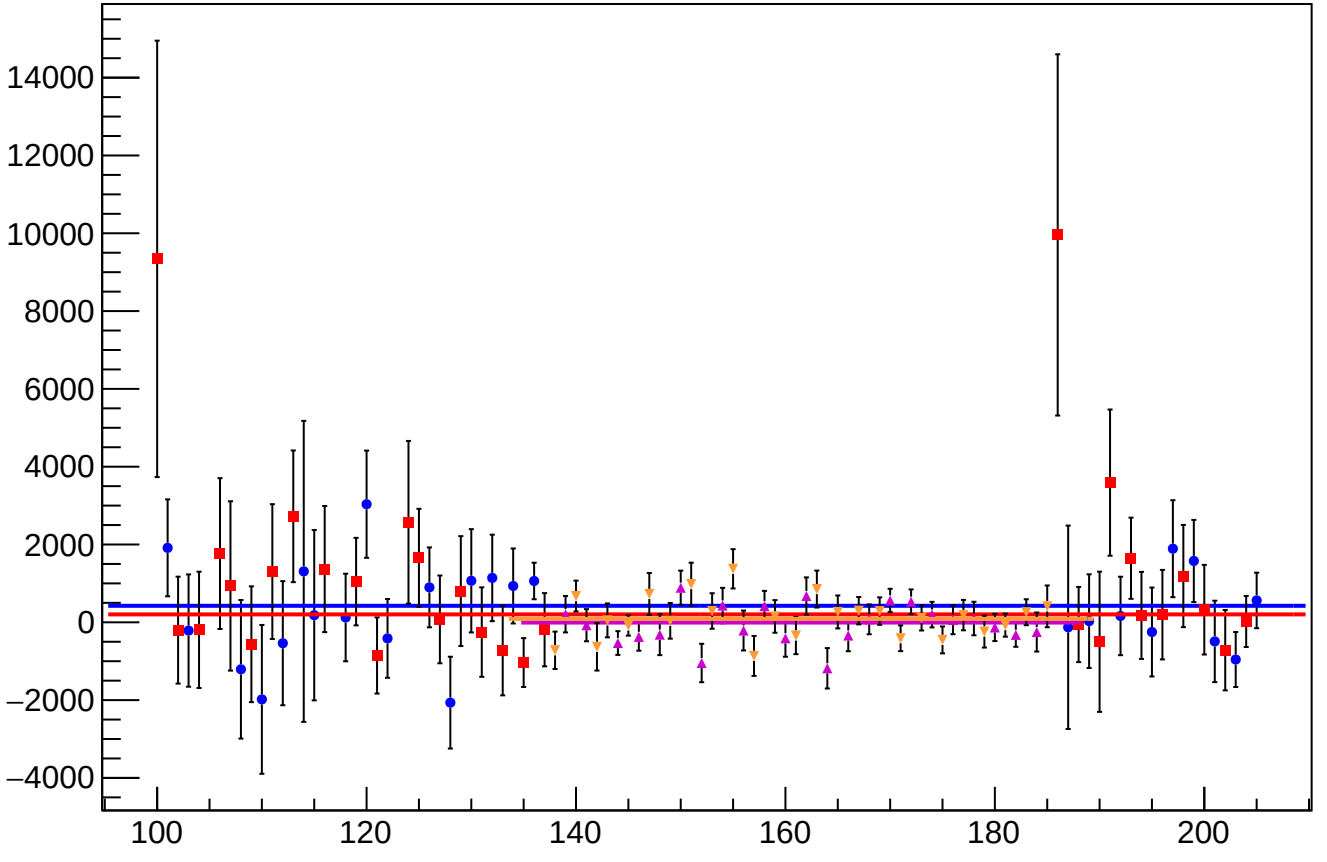
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 69.083+/-0.009 χ^2/NDF: 3756123.2/49

All: 69.709+/-0.006 χ^2/NDF: 8482223.1/102

- sign 70.364+/-0.009 χ^2/NDF: 4715631.3/52

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 203.411+/-218.594 χ^2/NDF: 27.6/29

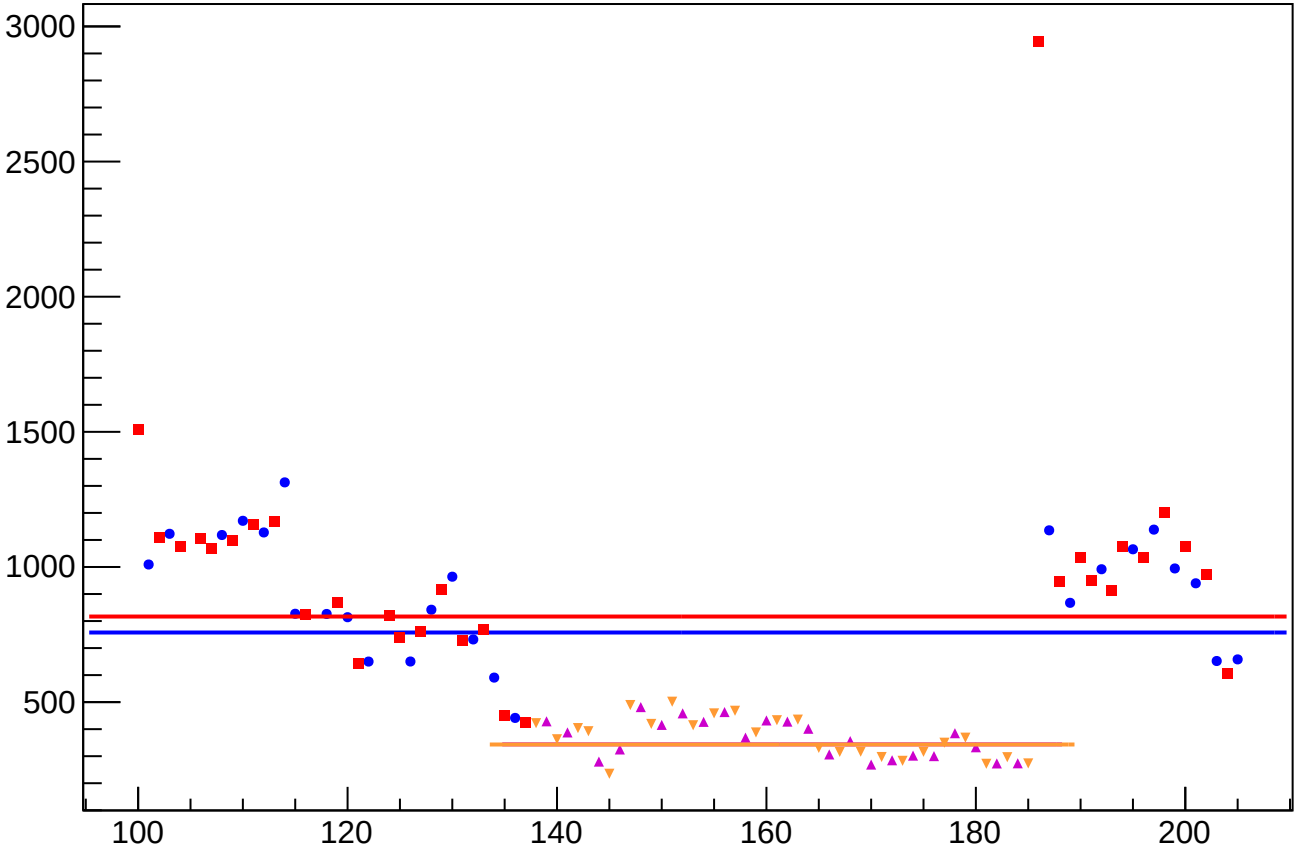
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 129.023+/-74.698 χ^2/NDF: 57.9/49

All: 75.808+/-53.570 χ^2/NDF: 119.8/102

- sign 19.458+/-76.867 χ^2/NDF: 60.9/52

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 757.592+/-0.150 χ^2/NDF: 2358305.6/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840305.6/29

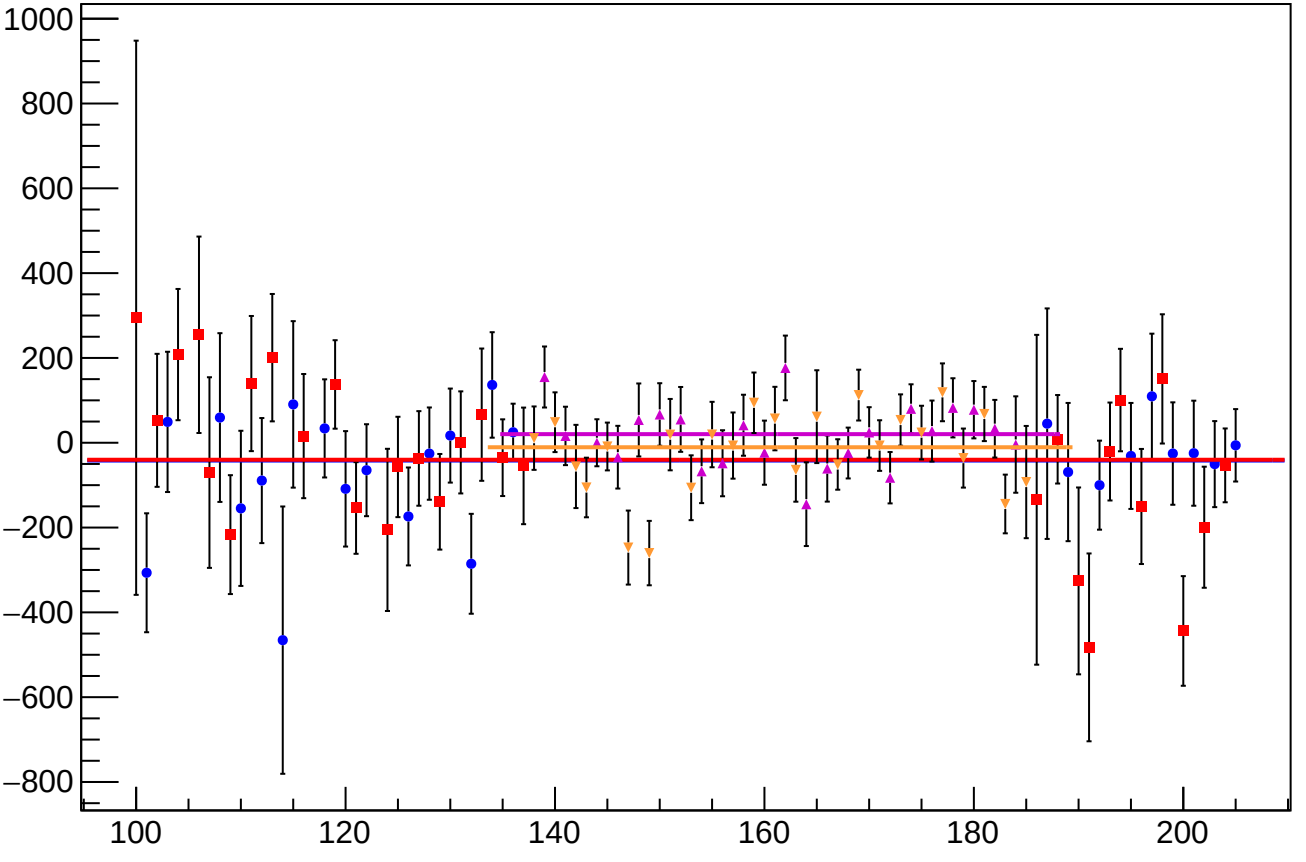
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 394.846+/-0.053 χ^2/NDF: 10665552.7/49

All: 398.418+/-0.038 χ^2/NDF: 22979134.8/10

- sign 402.201+/-0.054 χ^2/NDF: 12304166.3/52

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -41.918+/-24.572 χ^2/NDF: 18.2/24

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.092+/-24.647 χ^2/NDF: 37.1/29

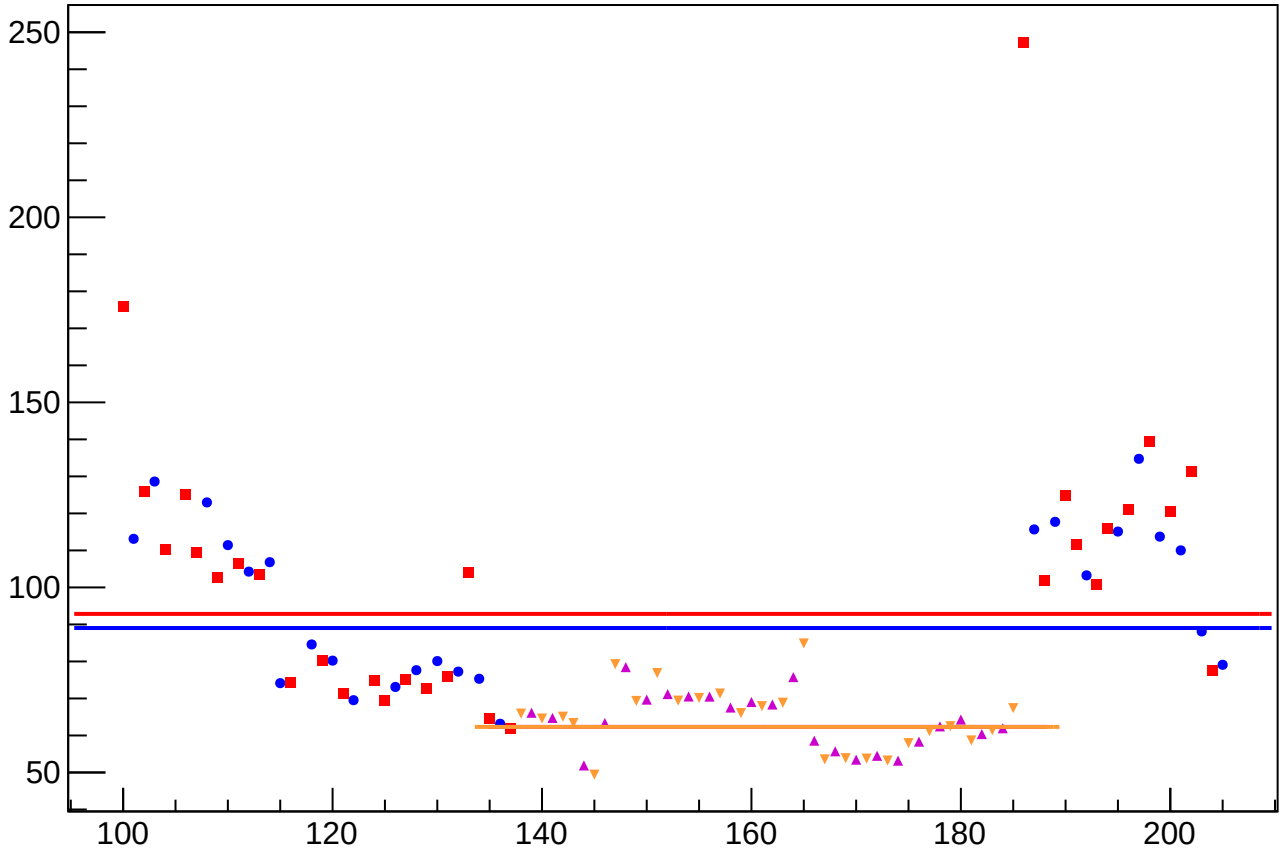
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.542+/-12.366 χ^2/NDF: 61.6/49

All: -7.348+/-8.845 χ^2/NDF: 126.5/102

- sign 4.378+/-12.657 χ^2/NDF: 63.2/52

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.034+/-0.017 χ^2/NDF: 1354118.5/24

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

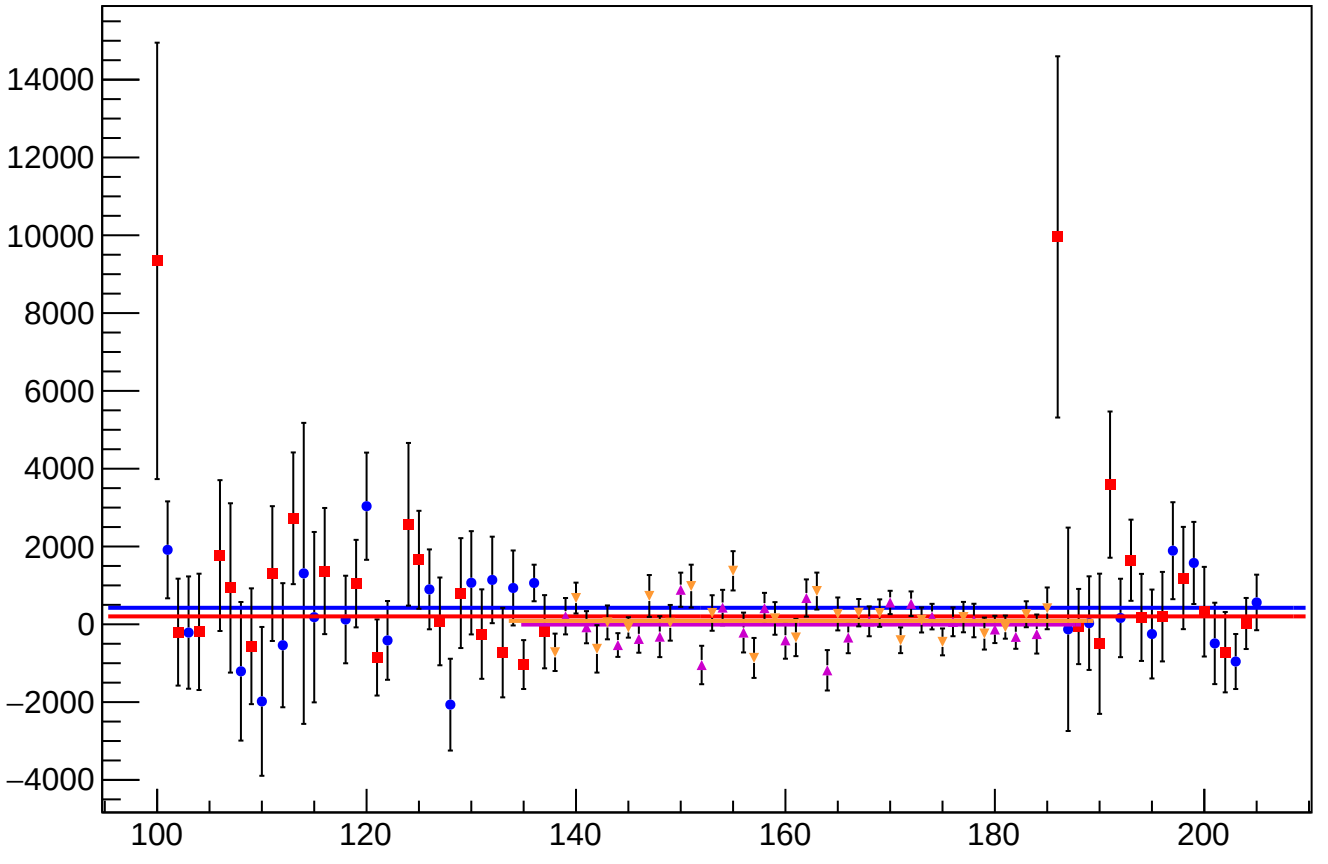
Right Out: 92.849+/-0.017 χ^2/NDF: 1970189.6/29

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 69.083+/-0.009 χ^2/NDF: 3756096.7/49

All: 69.709+/-0.006 χ^2/NDF: 8482139.6/102

- sign 70.364+/-0.009 χ^2/NDF: 4715572.0/52



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

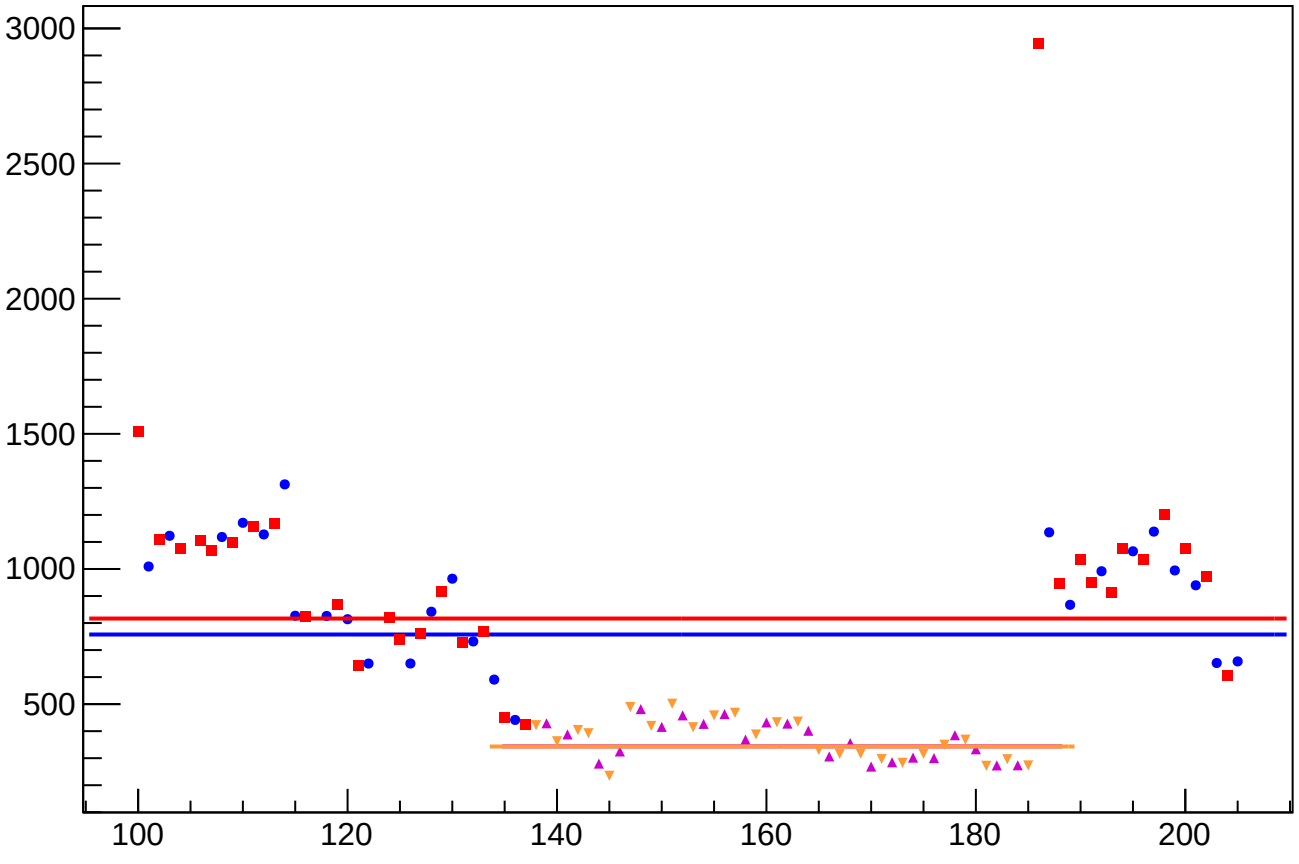
Right Out: 203.412+/-218.594 χ^2/NDF: 27.6/29

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 129.023+/-74.698 χ^2/NDF: 57.9/49

All: 75.808+/-53.570 χ^2/NDF: 119.8/102

- sign 19.458+/-76.867 χ^2/NDF: 60.9/52



Right In: 757.593+/-0.150 χ^2/NDF: 2358291.7/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840295.0/29

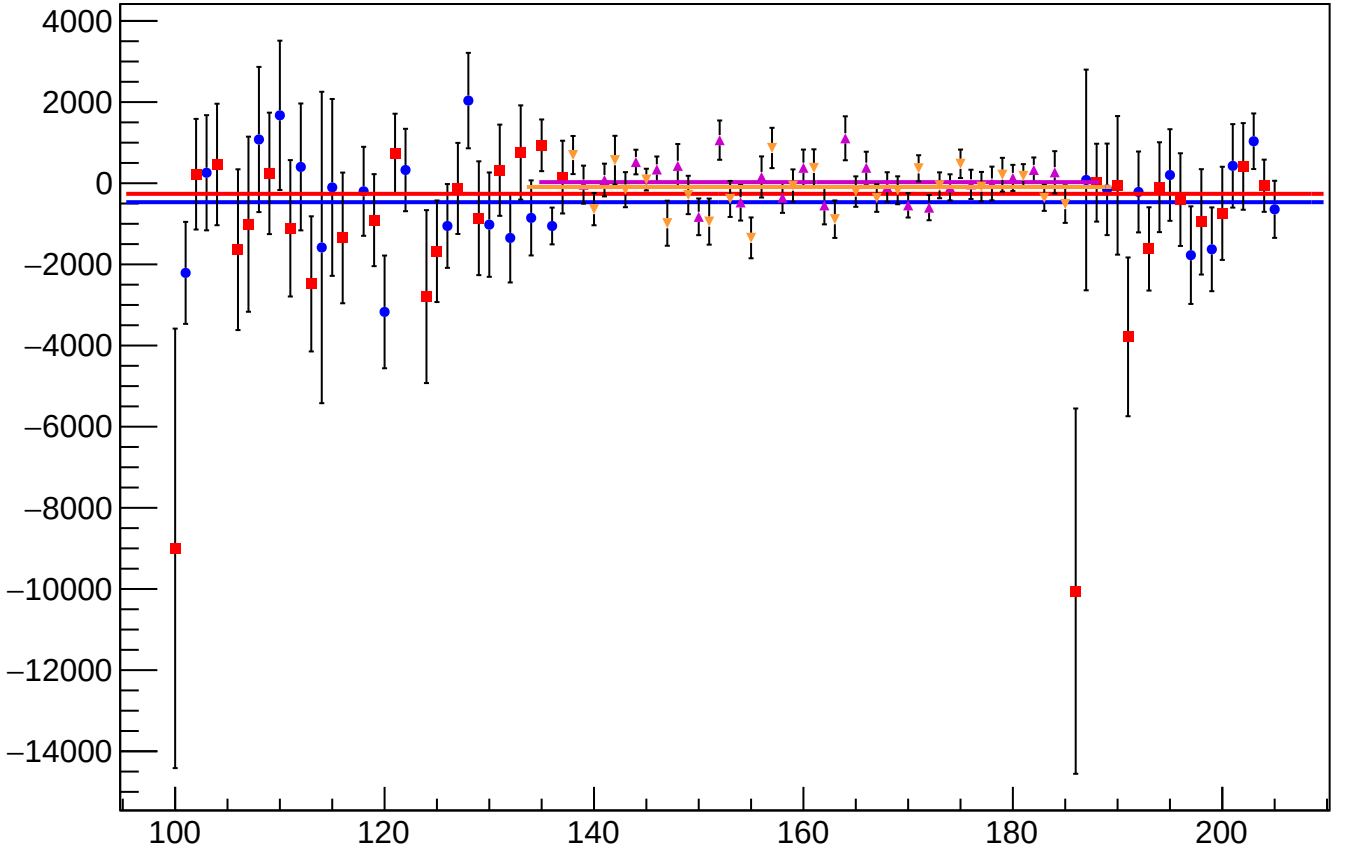
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 394.846+/-0.053 χ^2/NDF: 10665562.1/49

All: 398.418+/-0.038 χ^2/NDF: 22979144.1/10

- sign 402.201+/-0.054 χ^2/NDF: 12304165.9/52

asym_sam_15_26_dd_mean vs Slug



Right In: -466.997+/-207.111 χ^2/NDF: 25.3/24

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -261.184+/-217.431 χ^2/NDF: 26.0/29

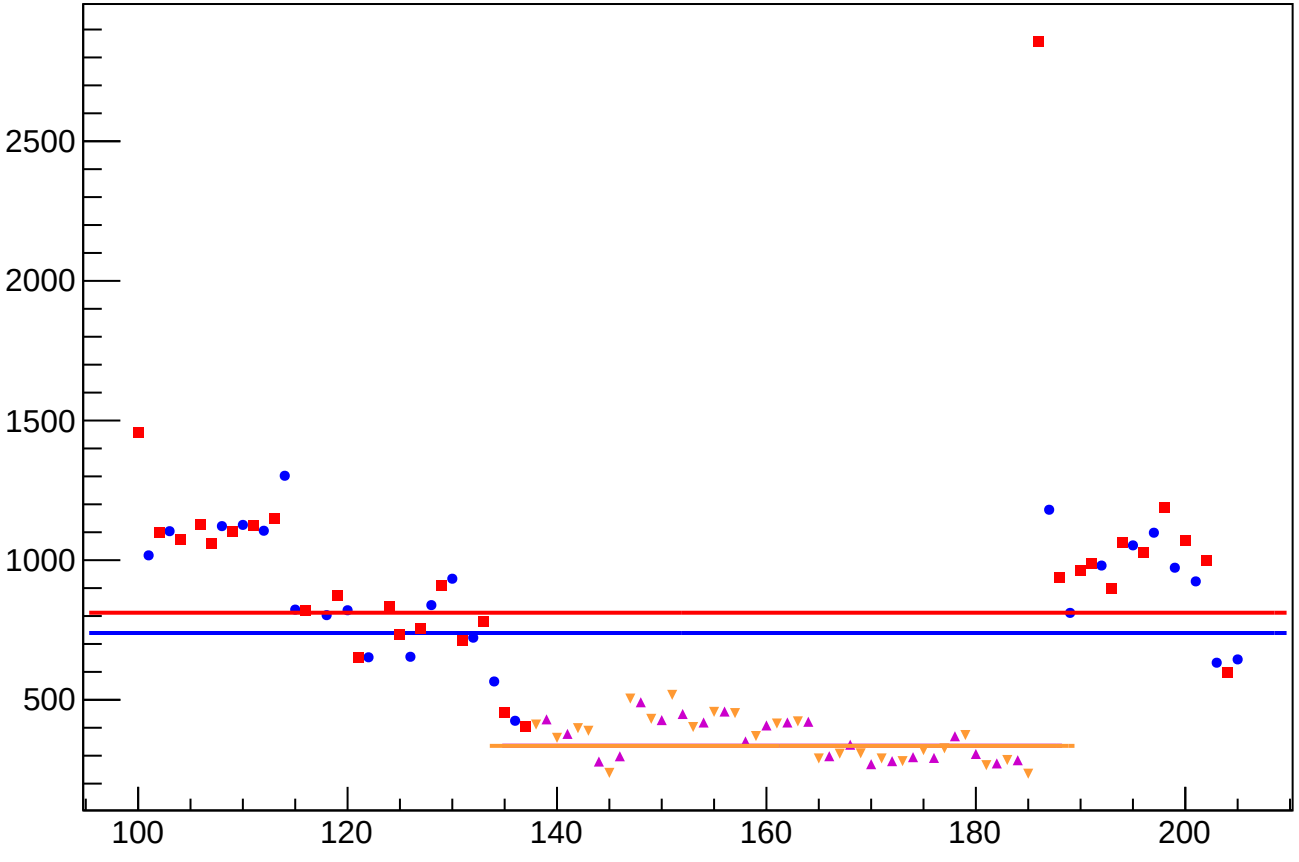
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -139.361+/-73.146 χ^2/NDF: 62.3/49

All: -75.235+/-52.450 χ^2/NDF: 122.3/102

- sign -7.366+/-75.251 χ^2/NDF: 58.4/52

asym_sam_15_26_dd_rms vs Slug



Right In: 739.276+/-0.146 χ^2/NDF: 2462437.7/24

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

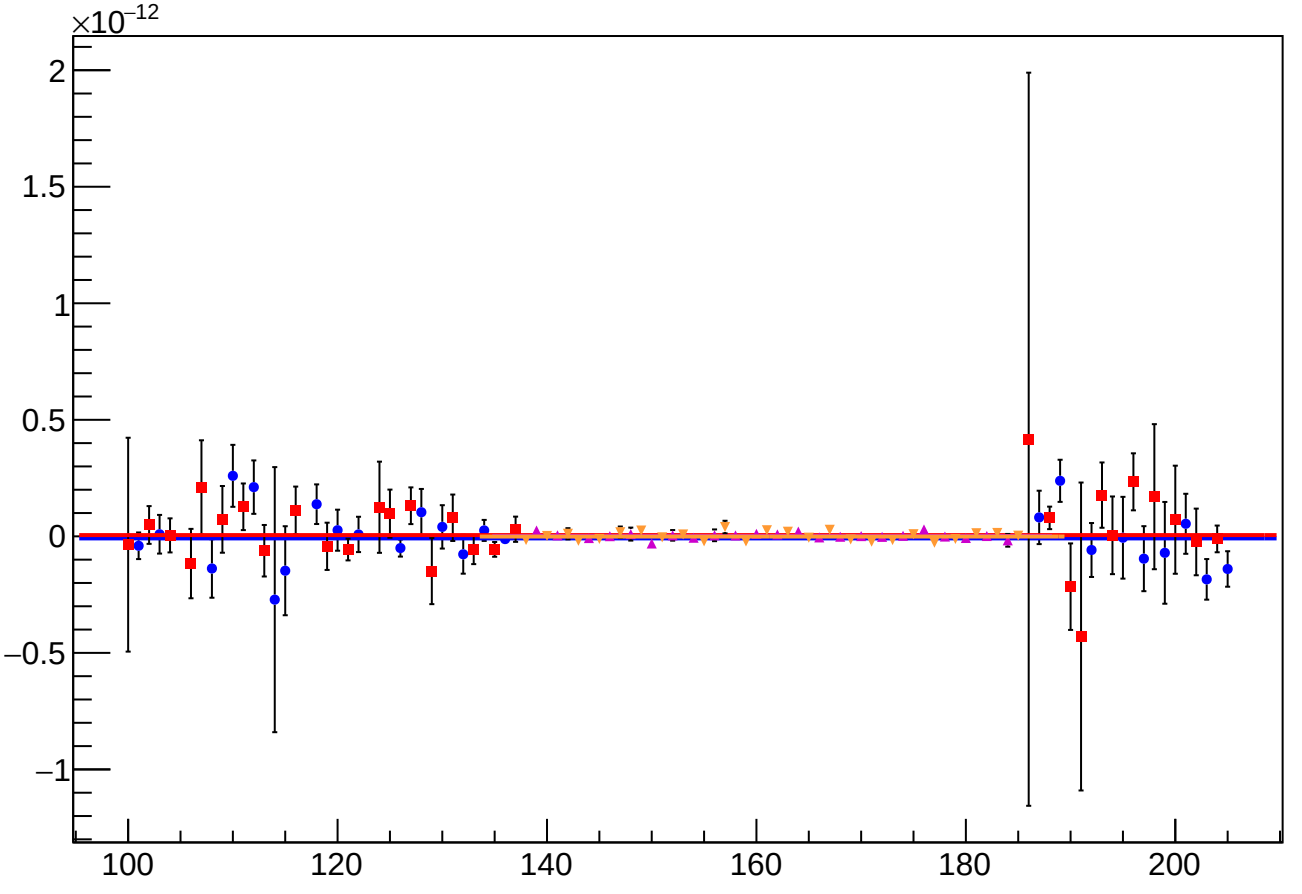
Right Out: 811.869+/-0.154 χ^2/NDF: 2847561.7/29

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 385.556+/-0.052 χ^2/NDF: 10833403.8/49

All: 389.081+/-0.037 χ^2/NDF: 23421884.9/10

- sign 392.811+/-0.053 χ^2/NDF: 12578922.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

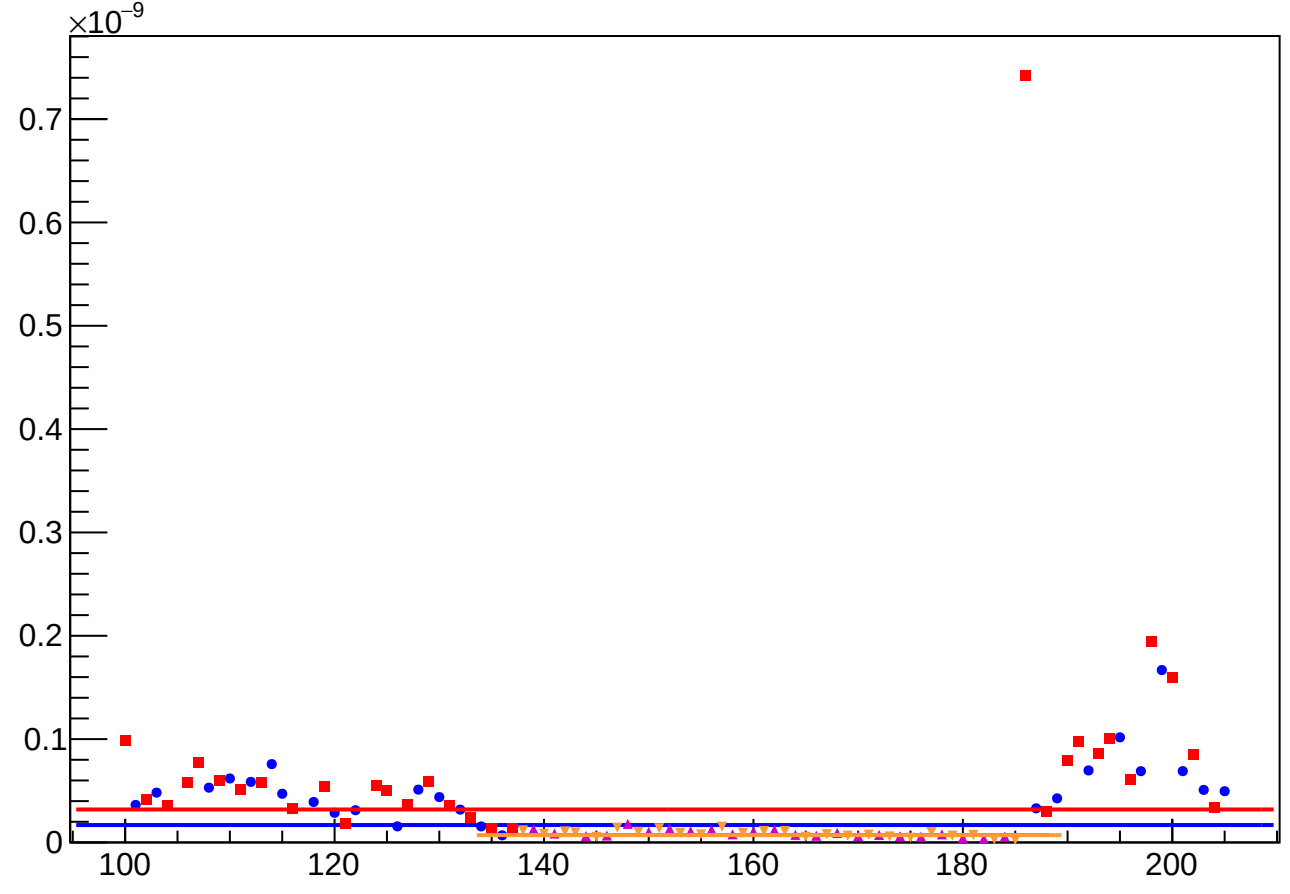
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/49

All: 0.000+/-0.000 χ^2/NDF: 109.9/102

- sign 0.000+/-0.000 χ^2/NDF: 42.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6560011.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4618489.8/29

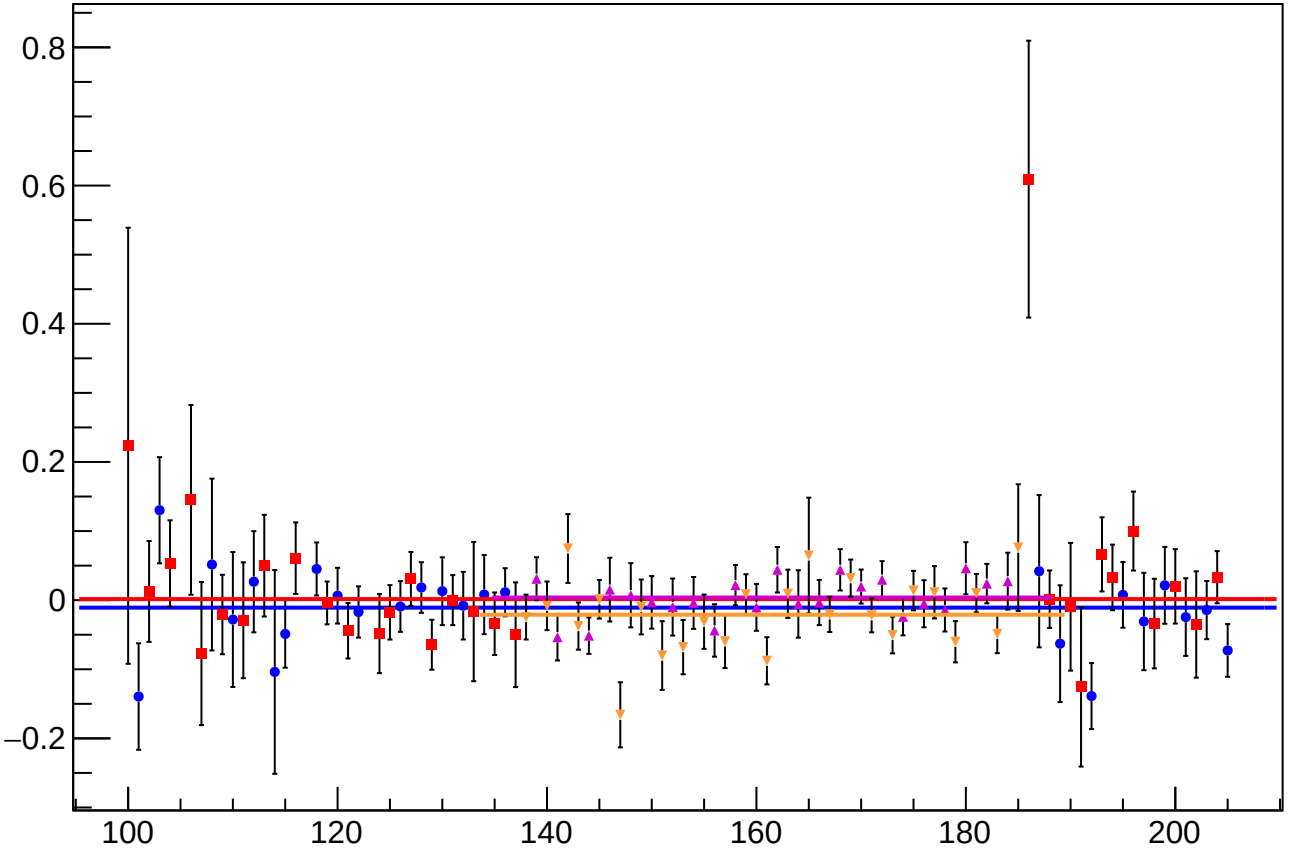
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10306139.6/49

All: 0.000+/-0.000 χ^2/NDF: 21632524.8/102

- sign 0.000+/-0.000 χ^2/NDF: 11313625.8/52

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

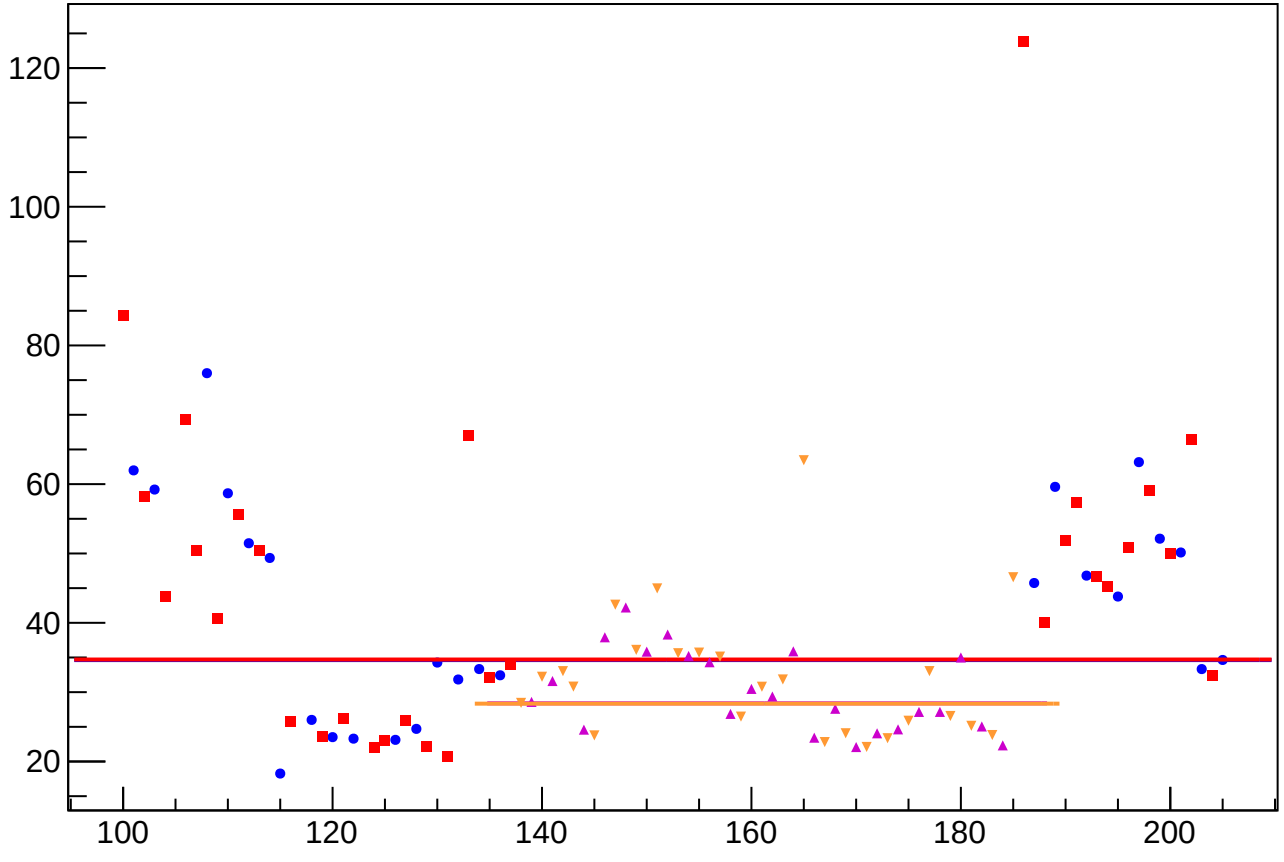
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.008+/-0.004 χ^2/NDF: 115.1/102

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

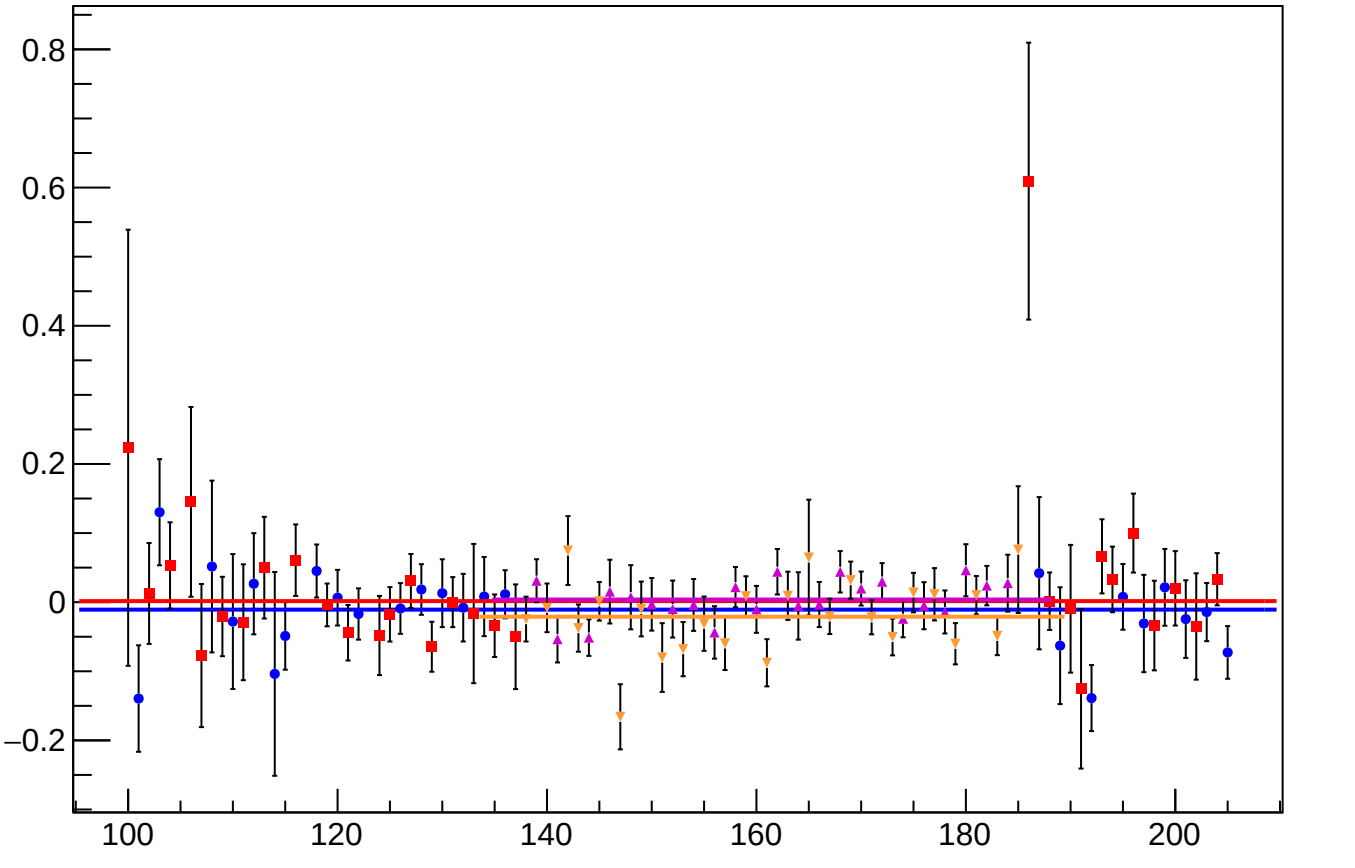
Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5303055.2/49

All: 30.365+/-0.003 χ^2/NDF: 10933323.4/102

- sign 30.480+/-0.004 χ^2/NDF: 5628623.0/52



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

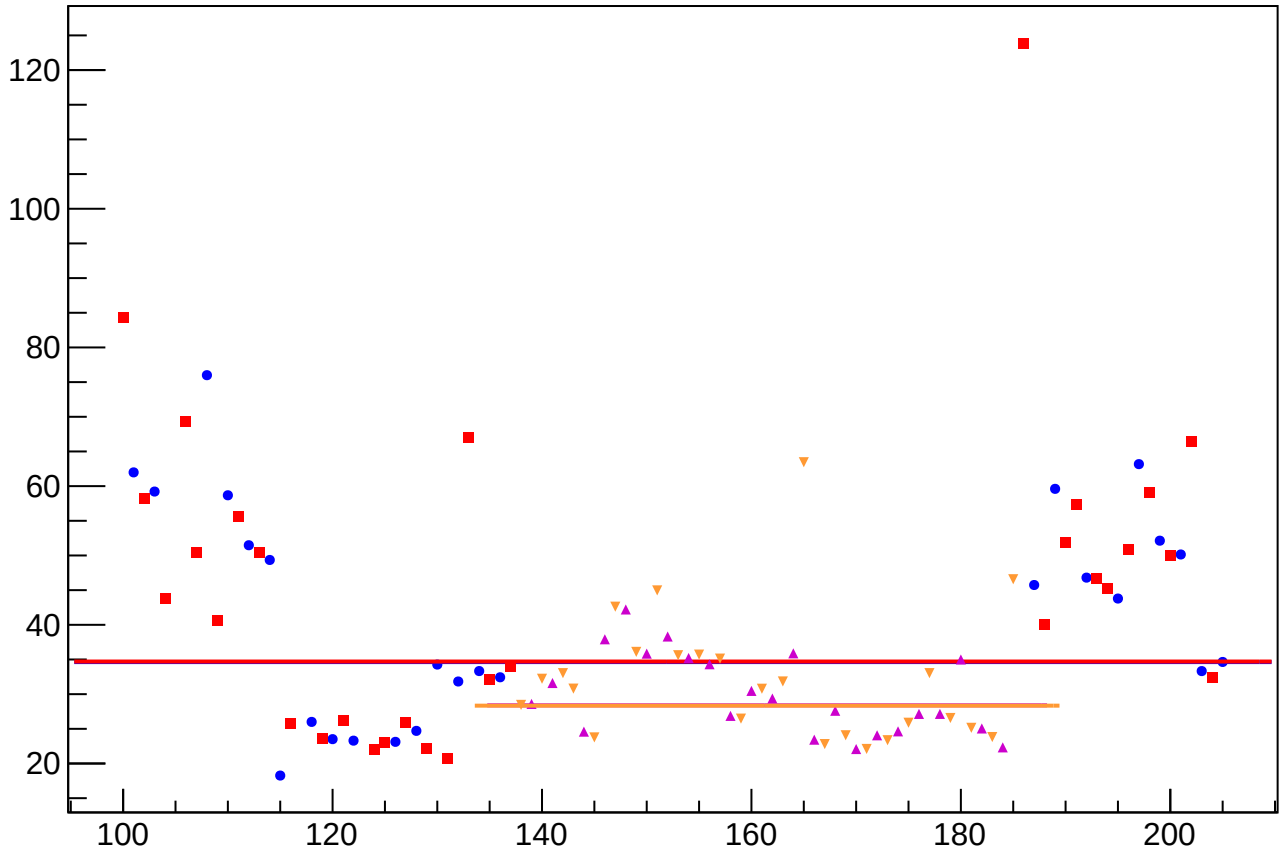
Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.008+/-0.004 χ^2/NDF: 115.1/102

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

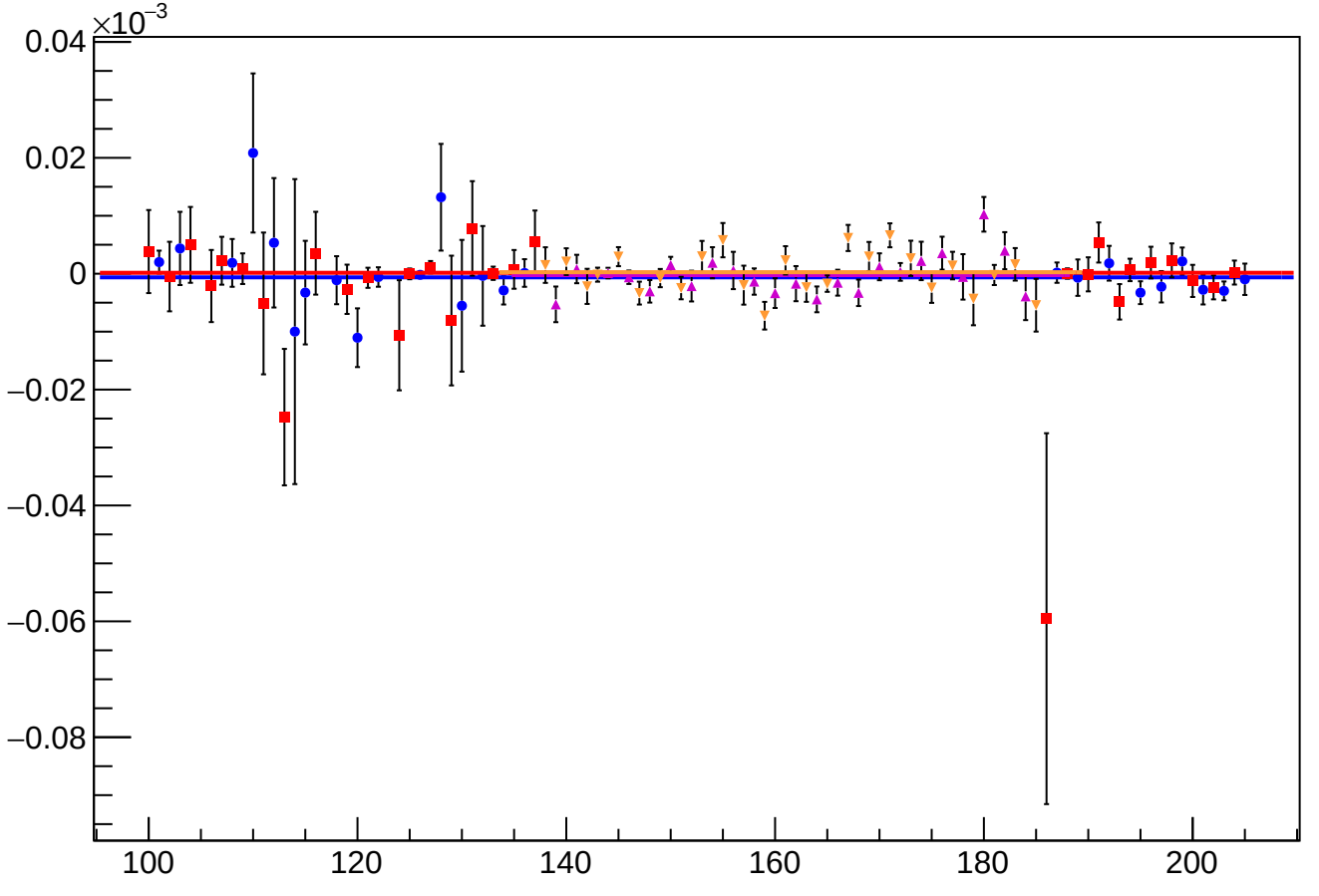
Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5303055.2/49

All: 30.365+/-0.003 χ^2/NDF: 10933323.4/102

- sign 30.480+/-0.004 χ^2/NDF: 5628623.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

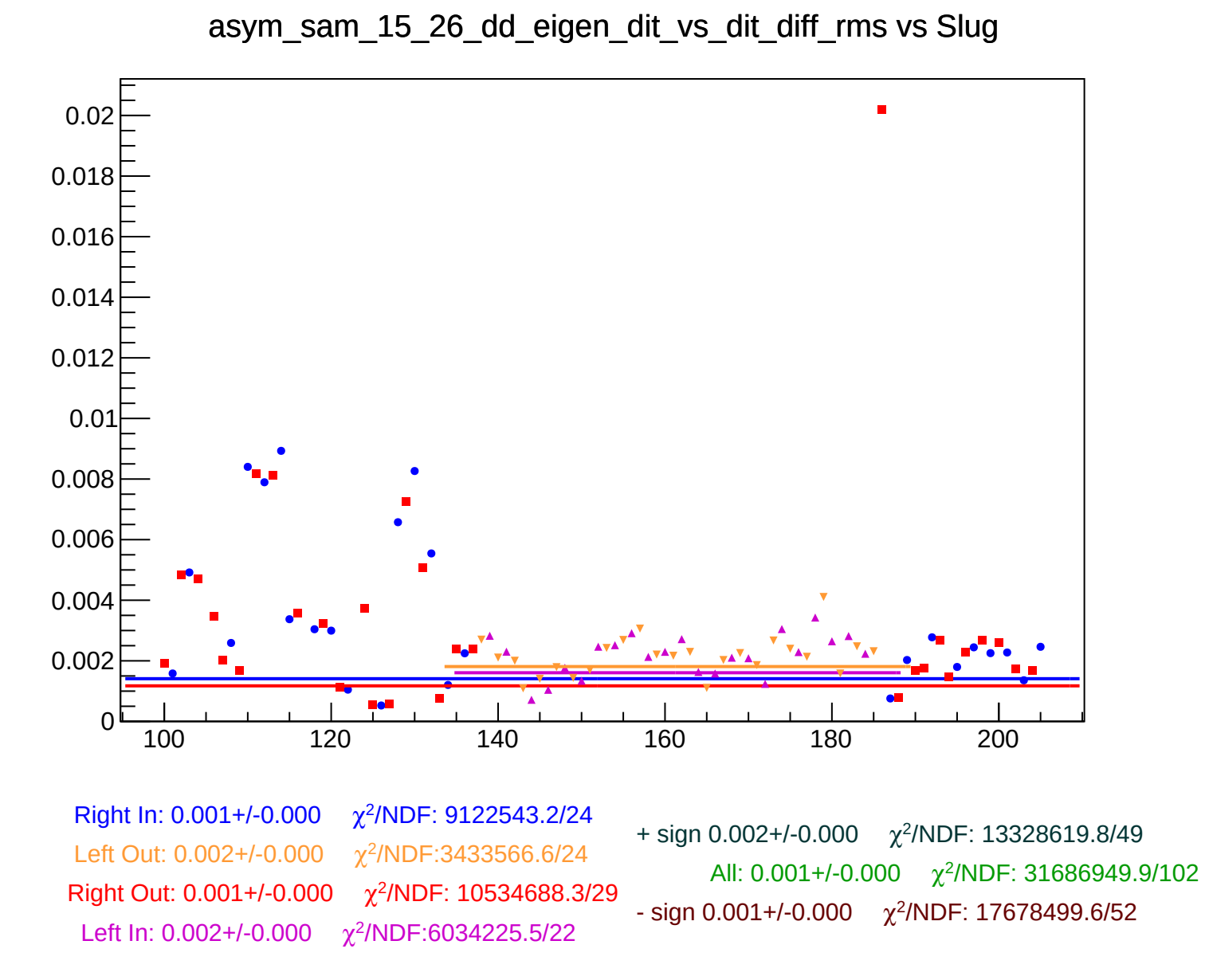
Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/29

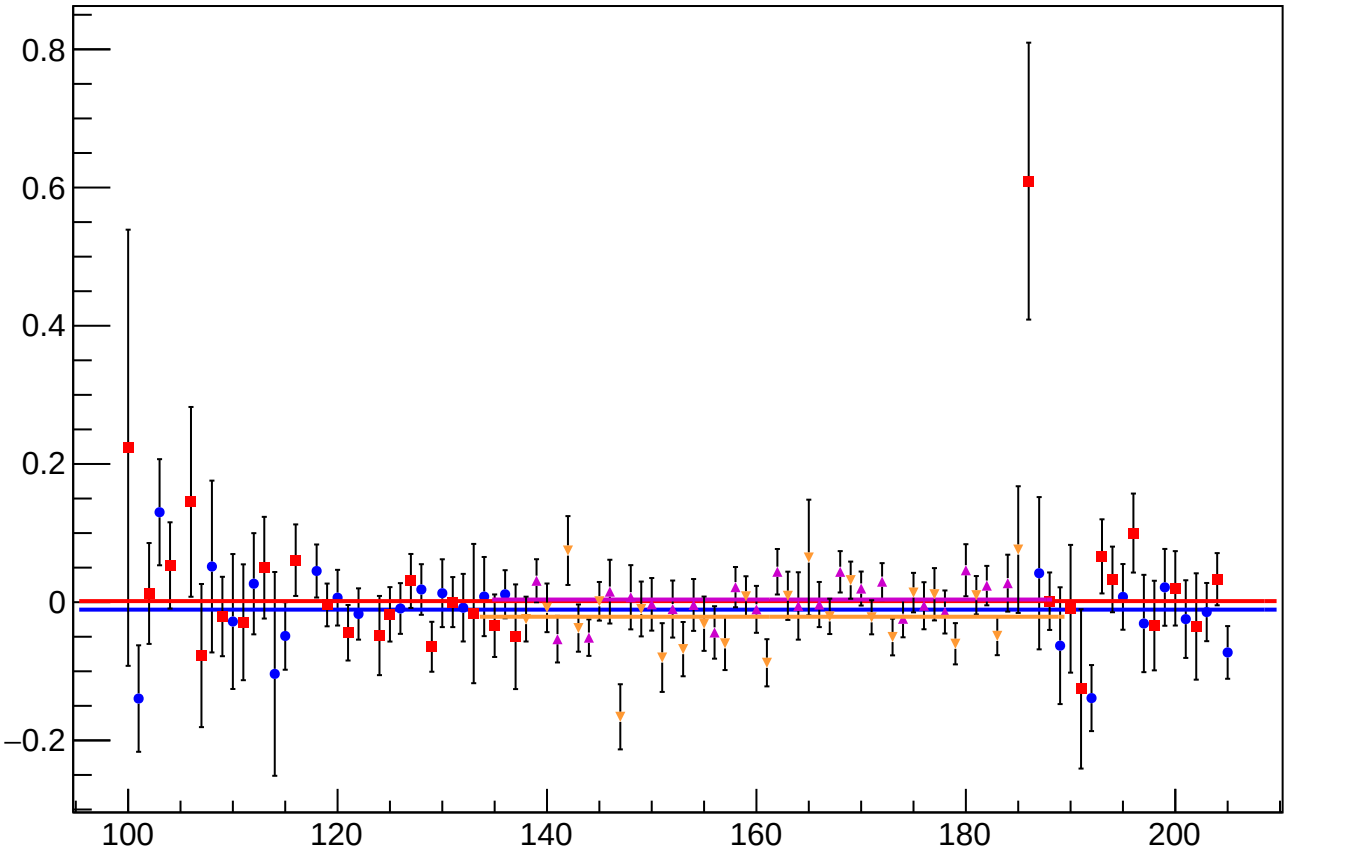
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.4/49

All: -0.000+/-0.000 χ^2/NDF: 129.9/102

- sign -0.000+/-0.000 χ^2/NDF: 56.4/52


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9122543.2/24
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 10534688.3/29
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 13328619.8/49
All: 0.001+/-0.000 χ²/NDF: 31686949.9/102
- sign 0.001+/-0.000 χ²/NDF: 17678499.6/52



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

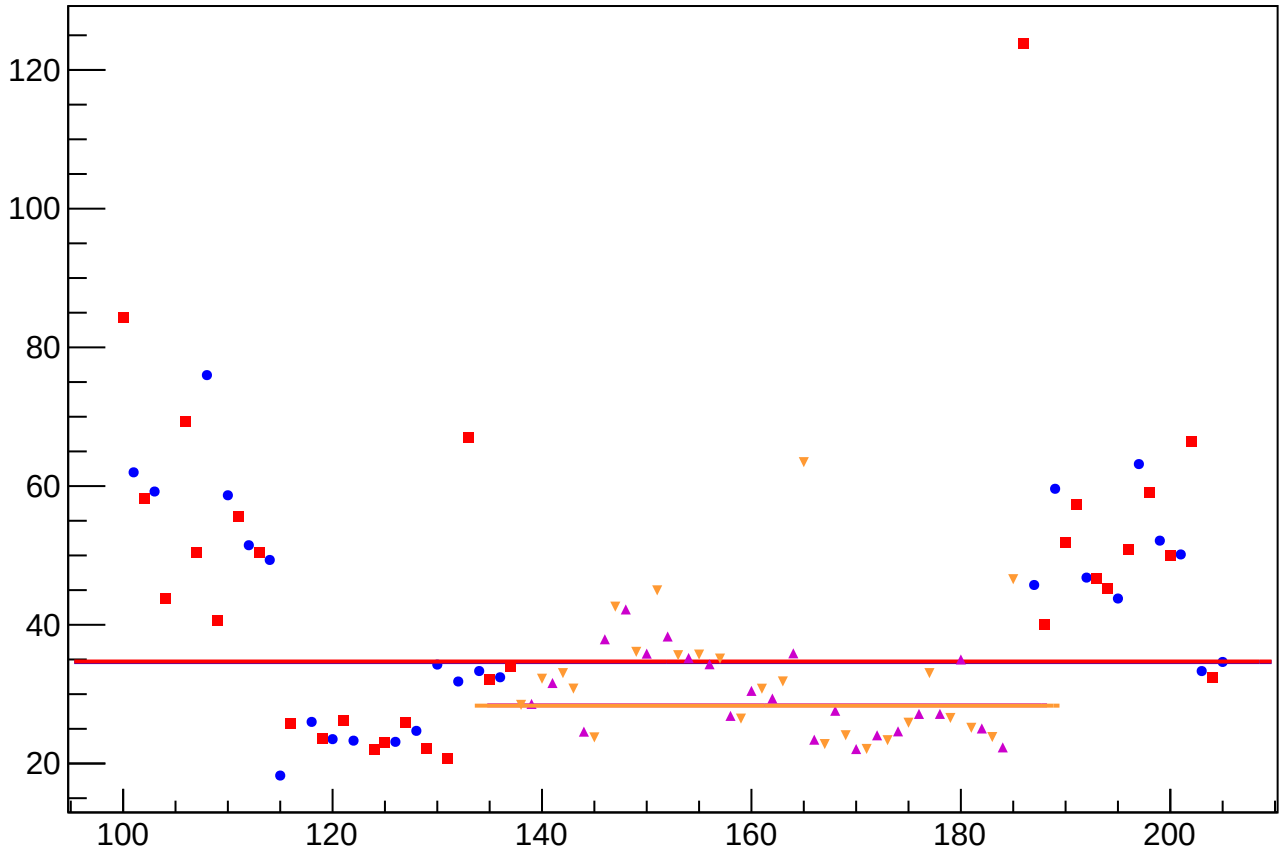
Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.008+/-0.004 χ^2/NDF: 115.1/102

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

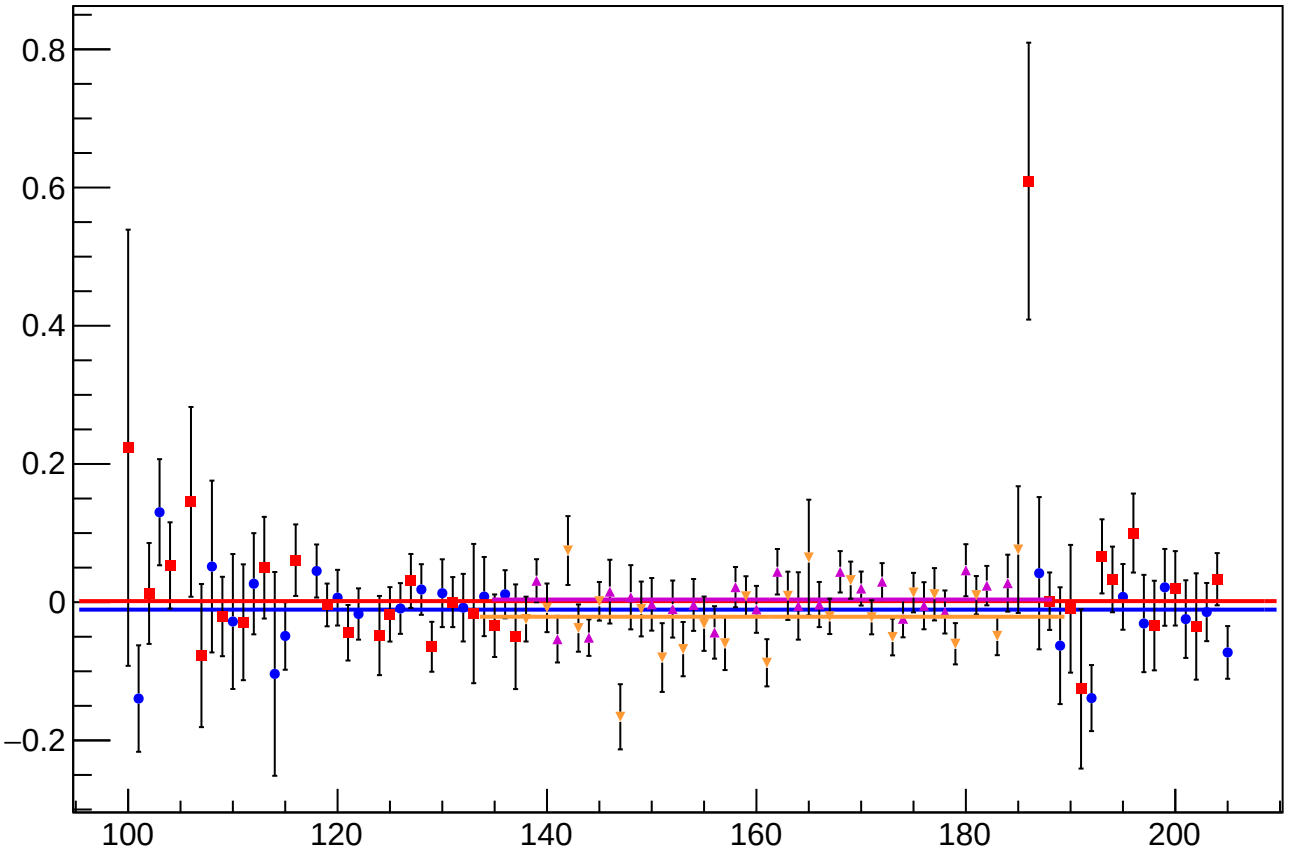
Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5302909.3/49

All: 30.366+/-0.003 χ^2/NDF: 10933158.8/102

- sign 30.480+/-0.004 χ^2/NDF: 5628604.2/52



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

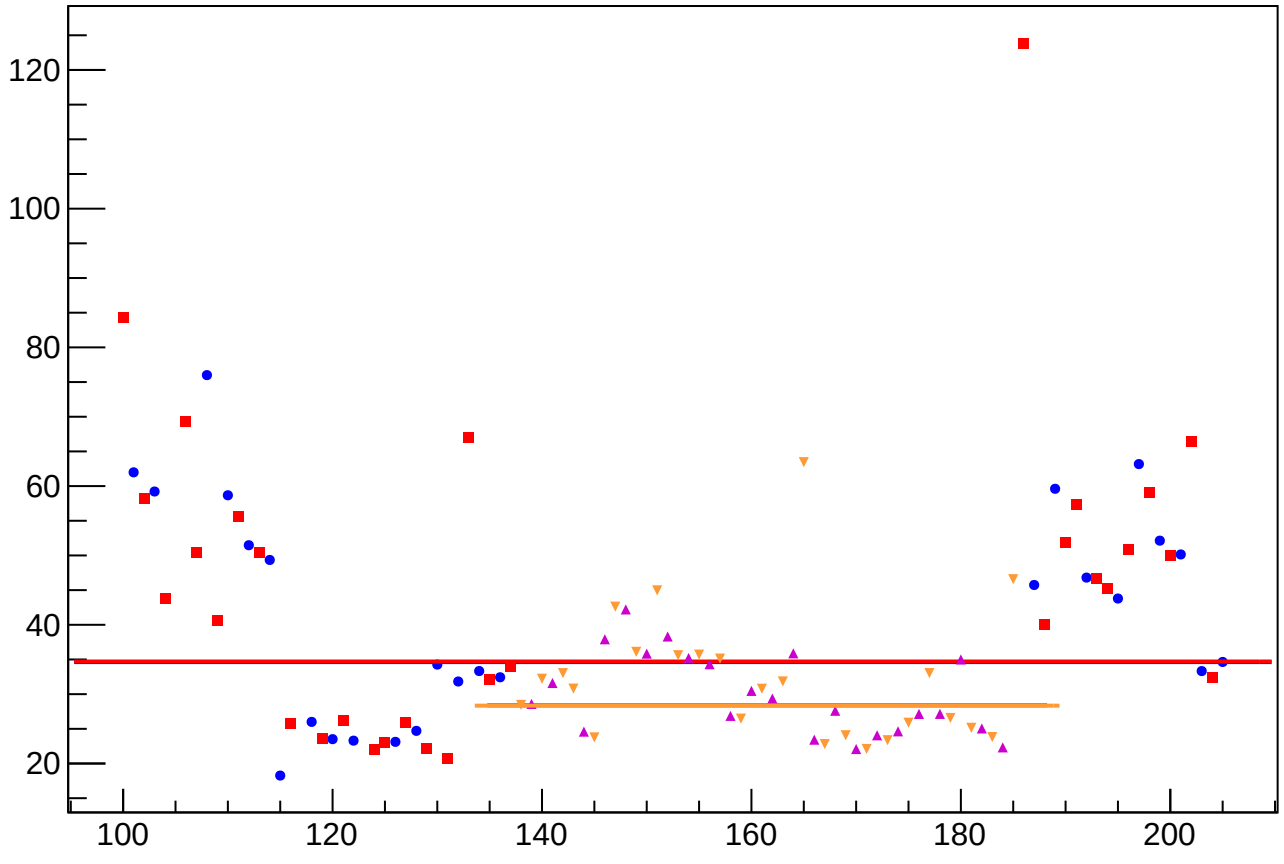
Right Out: 0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.008+/-0.004 χ^2/NDF: 115.1/102

- sign 0.003+/-0.006 χ^2/NDF: 47.6/52



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

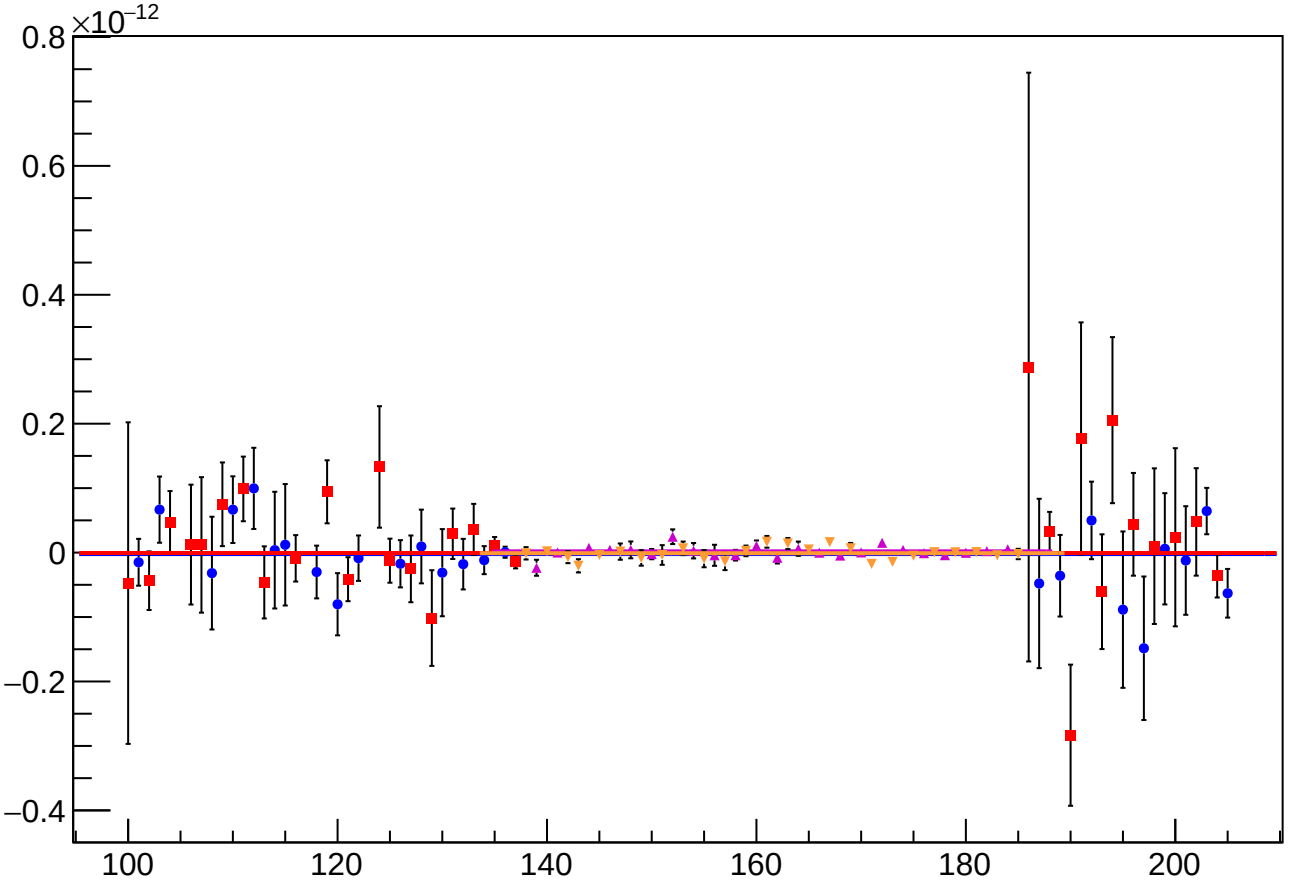
Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5302909.3/49

All: 30.366+/-0.003 χ^2/NDF: 10933158.8/102

- sign 30.480+/-0.004 χ^2/NDF: 5628604.2/52



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

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

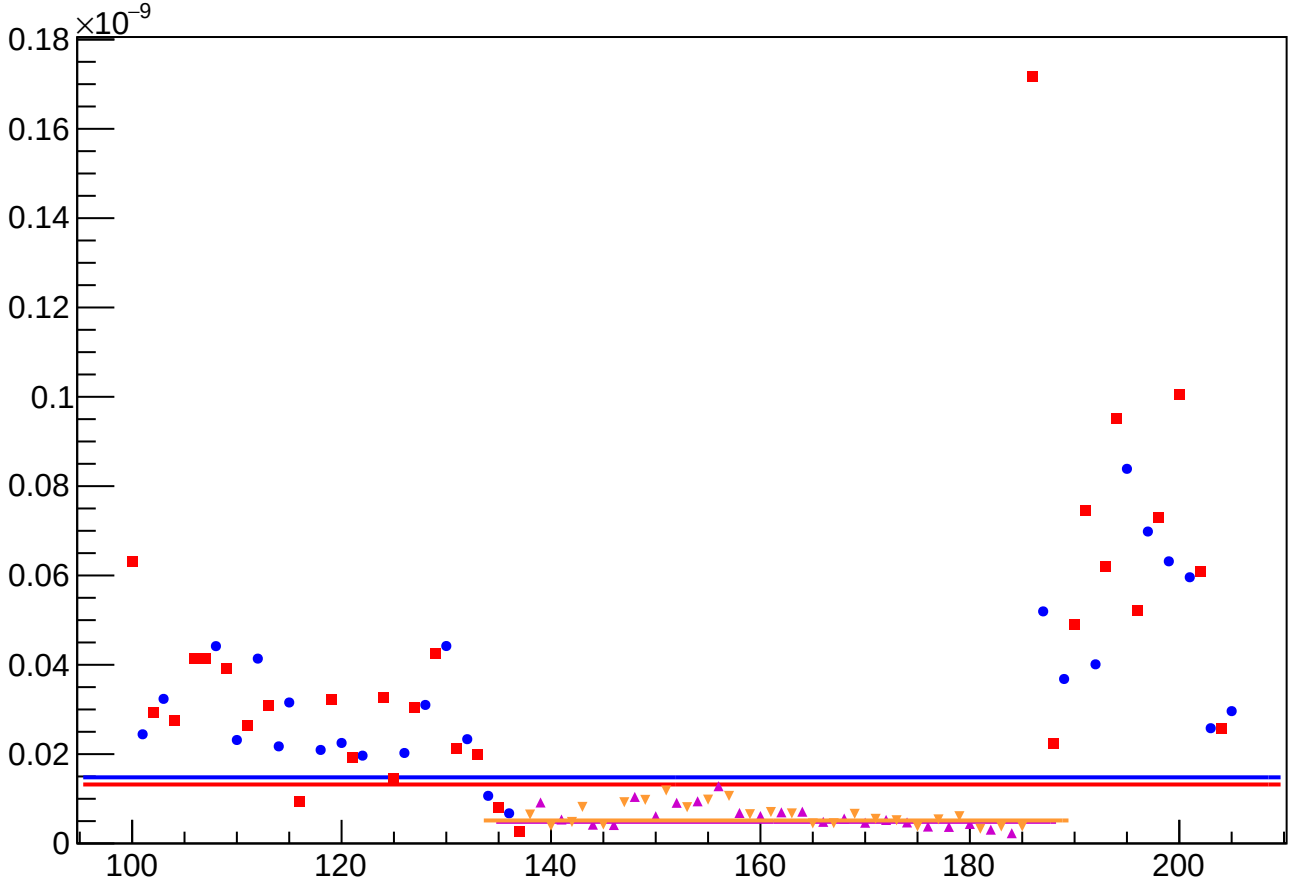
Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.0/49

All: 0.000+/-0.000 χ^2/NDF: 111.0/102

- sign 0.000+/-0.000 χ^2/NDF: 55.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 7304887.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10065074.0/29

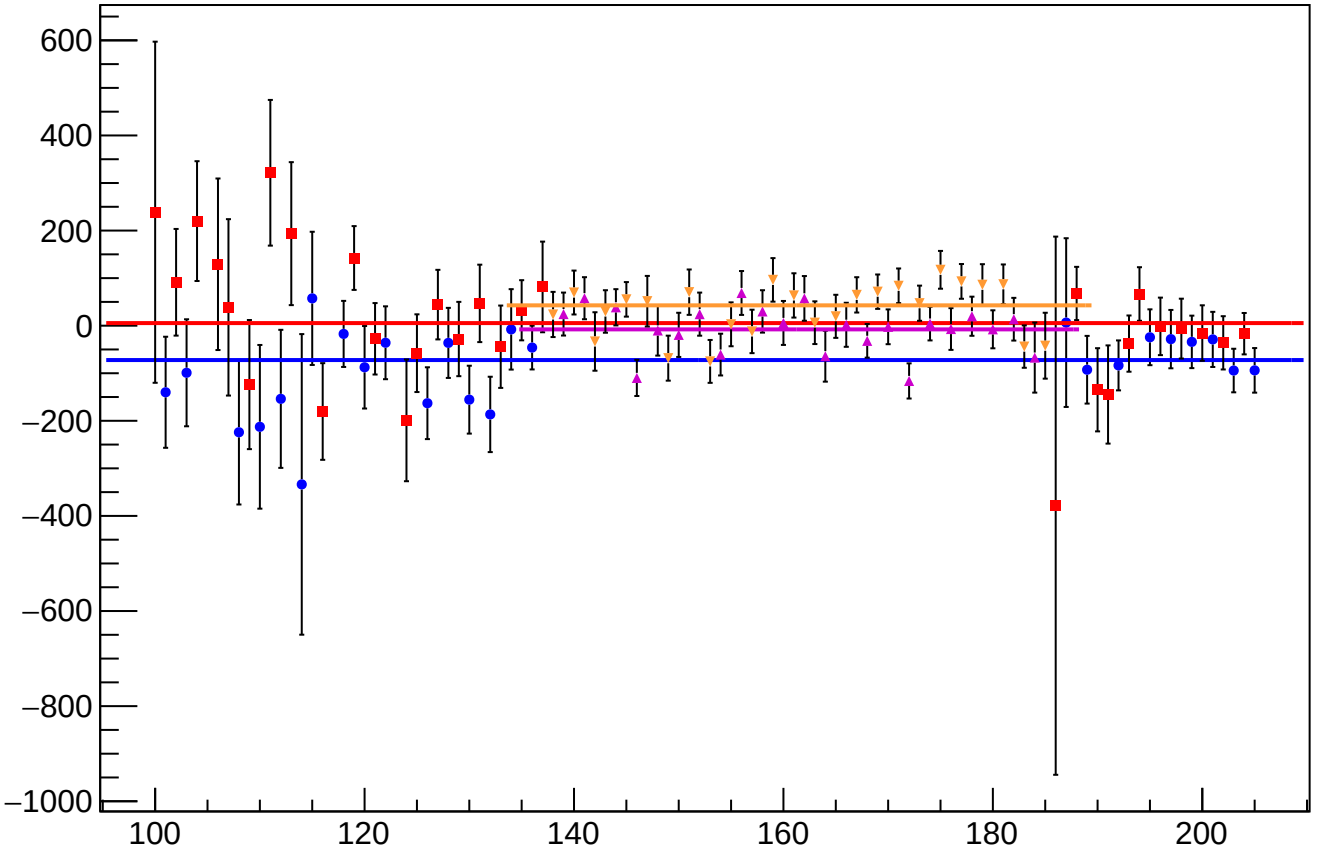
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14595555.2/49

All: 0.000+/-0.000 χ^2/NDF: 31117596.0/102

- sign 0.000+/-0.000 χ^2/NDF: 16456229.6/52

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -72.267+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.464+/-14.332 χ^2/NDF: 33.0/29

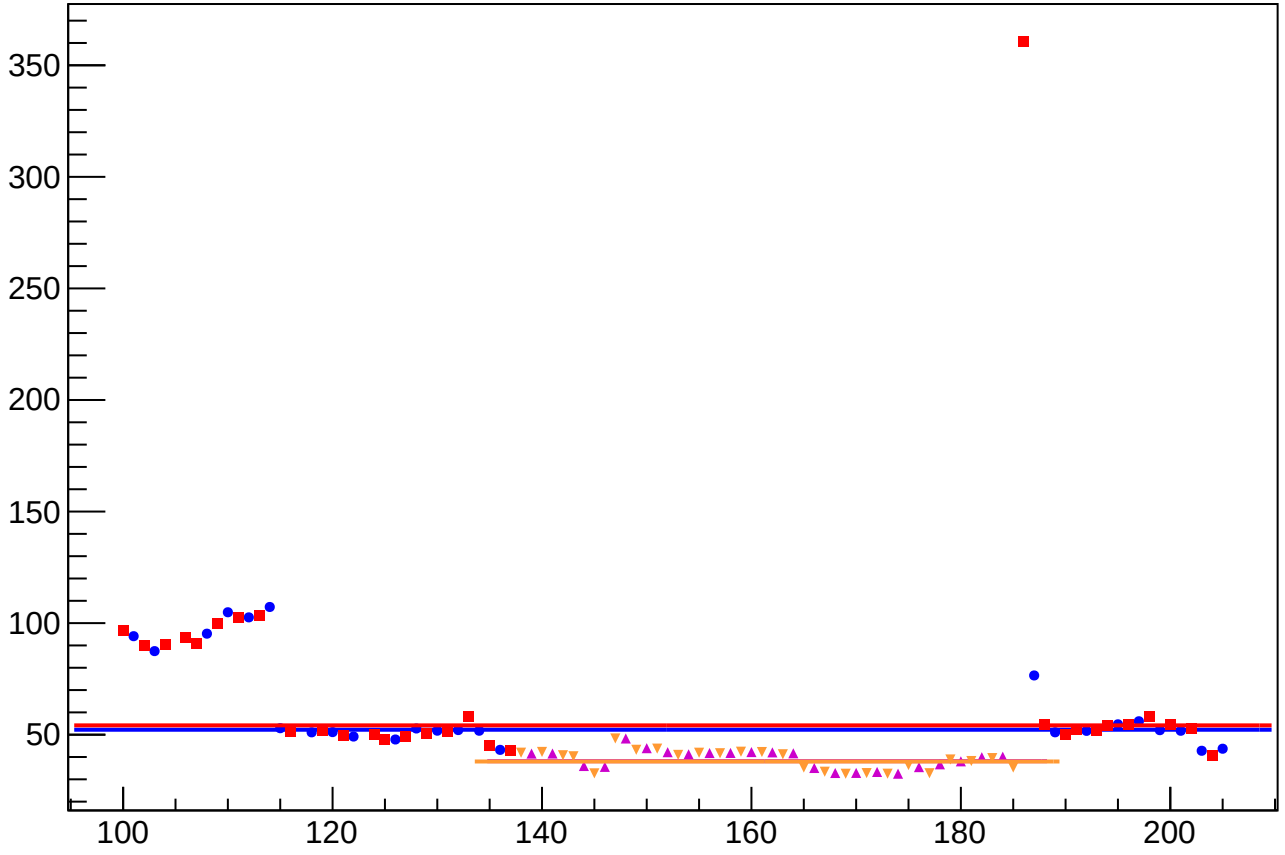
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 11.737+/-7.433 χ^2/NDF: 95.7/49

All: 4.024+/-5.316 χ^2/NDF: 162.1/102

- sign -4.052+/-7.606 χ^2/NDF: 64.2/52

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.5/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

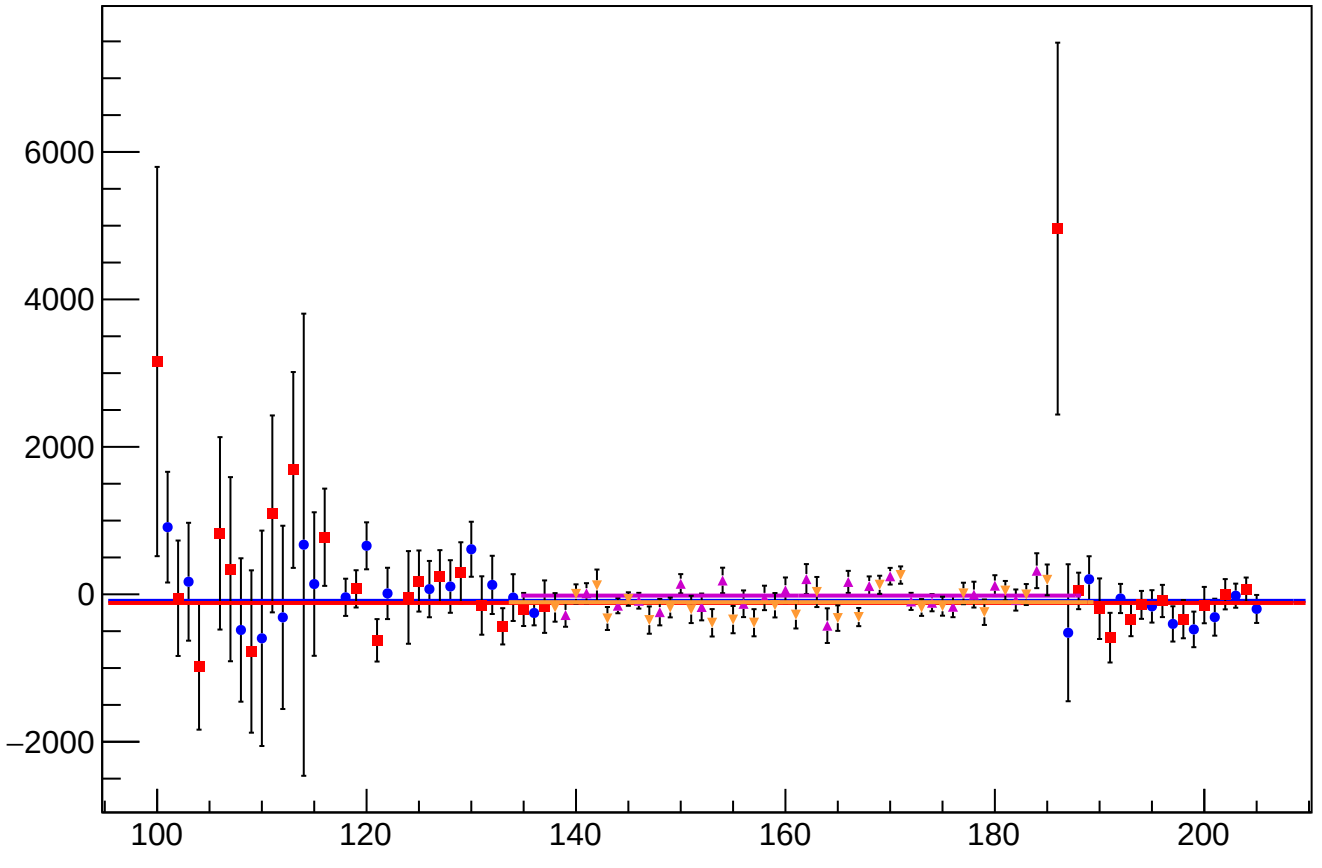
Right Out: 54.179+/-0.010 χ^2/NDF: 2129808.7/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.828+/-0.005 χ^2/NDF: 3348792.0/49

All: 42.231+/-0.004 χ^2/NDF: 7719782.4/102

- sign 42.652+/-0.005 χ^2/NDF: 4358980.1/52



Right In: -88.660+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -117.296+/-57.717 χ^2/NDF: 25.8/29

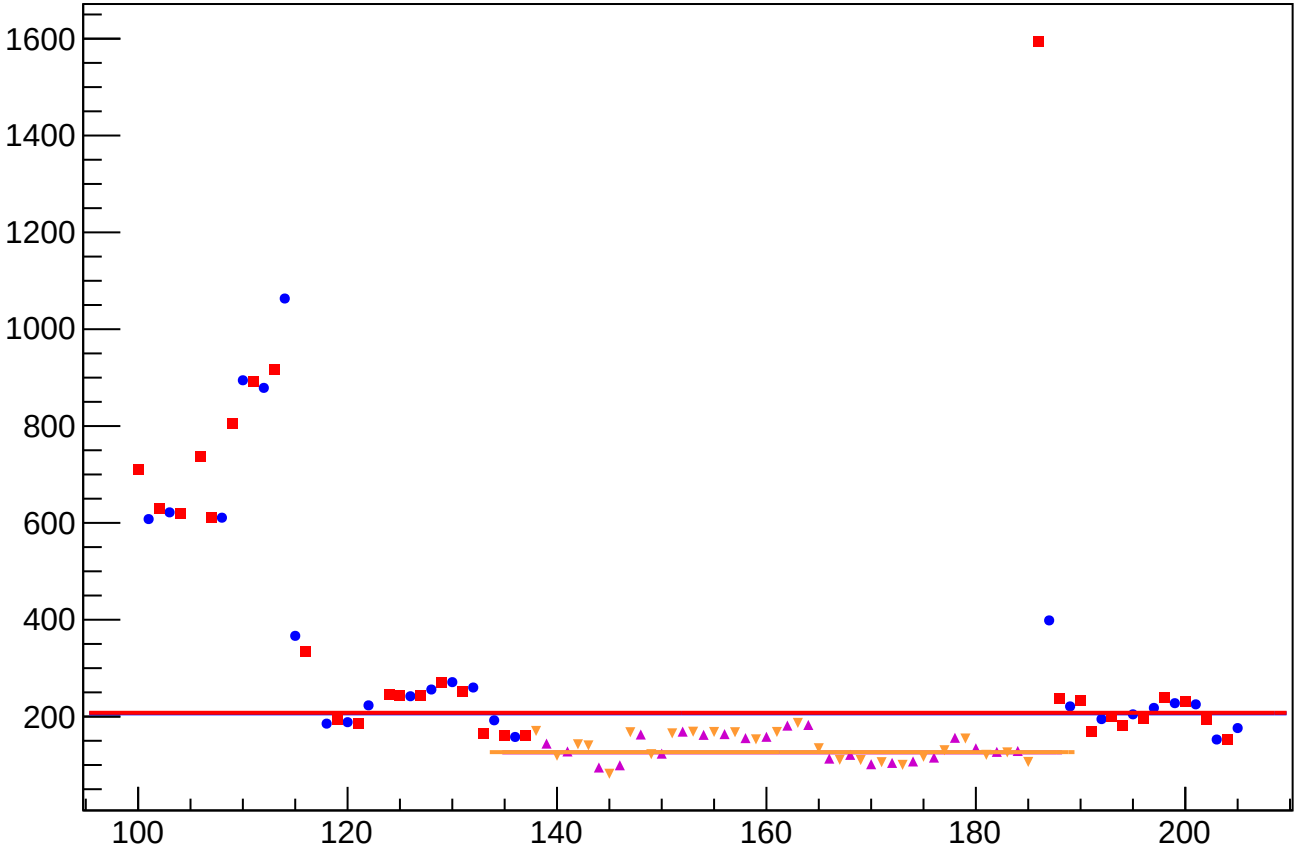
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -102.921+/-26.428 χ^2/NDF: 57.7/49

All: -71.320+/-18.799 χ^2/NDF: 117.0/102

- sign -38.947+/-26.748 χ^2/NDF: 56.4/52

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.657+/-0.042 χ^2/NDF: 3434441.1/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 207.827+/-0.041 χ^2/NDF: 4717219.7/29

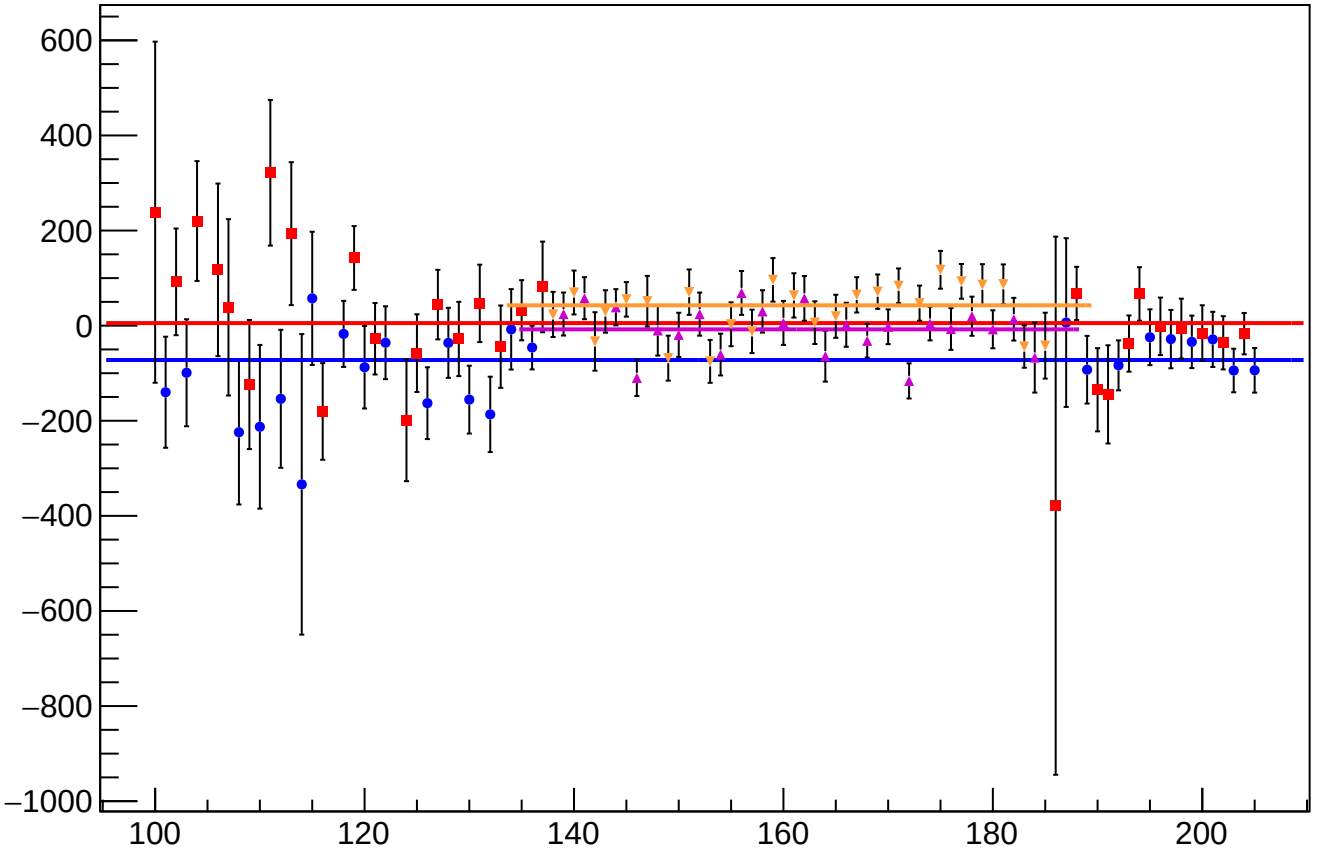
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 142.651+/-0.019 χ^2/NDF: 8141696.2/49

All: 143.112+/-0.013 χ^2/NDF: 17426309.3/10

- sign 143.585+/-0.019 χ^2/NDF: 9283379.0/52

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.397+/-14.332 χ^2/NDF: 32.9/29

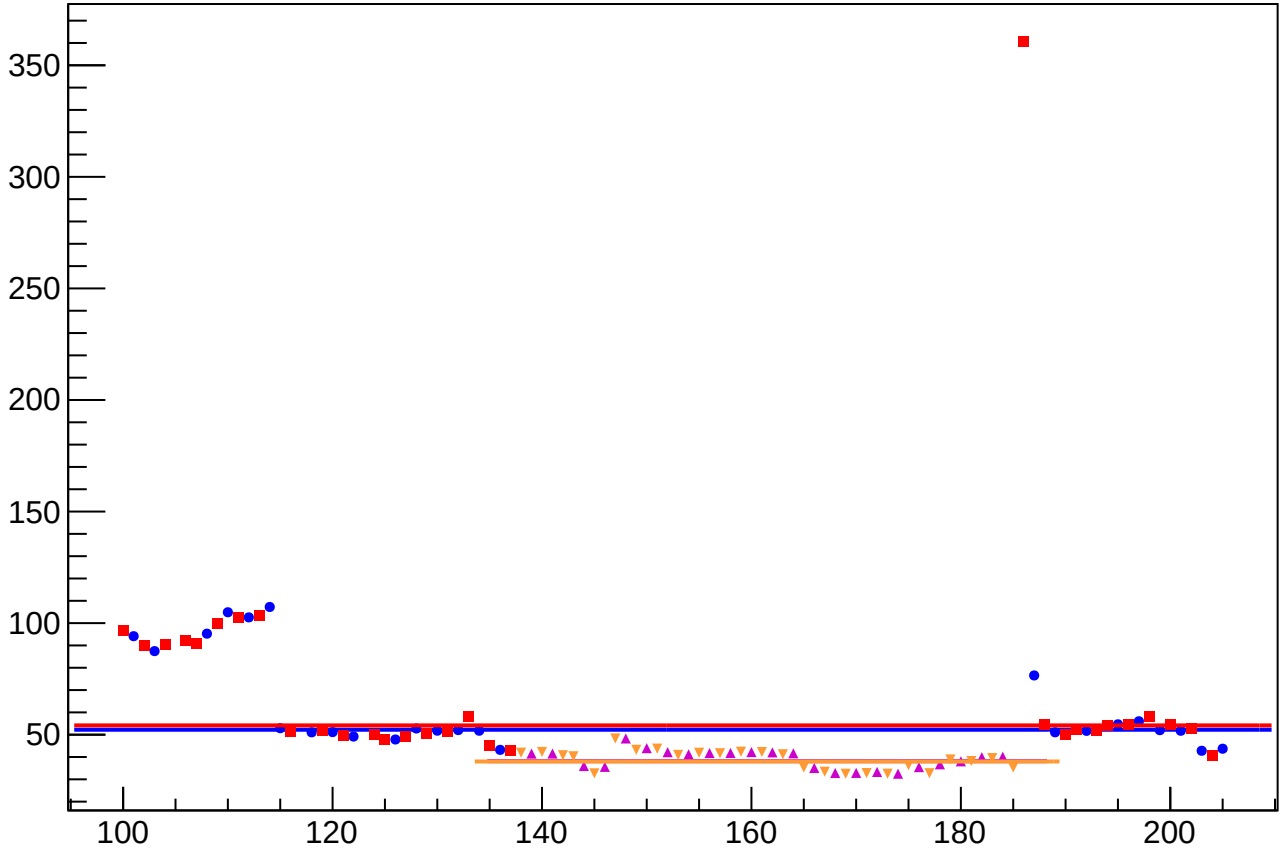
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 11.739+/-7.433 χ^2/NDF: 95.7/49

All: 4.016+/-5.316 χ^2/NDF: 162.0/102

- sign -4.072+/-7.606 χ^2/NDF: 64.1/52

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

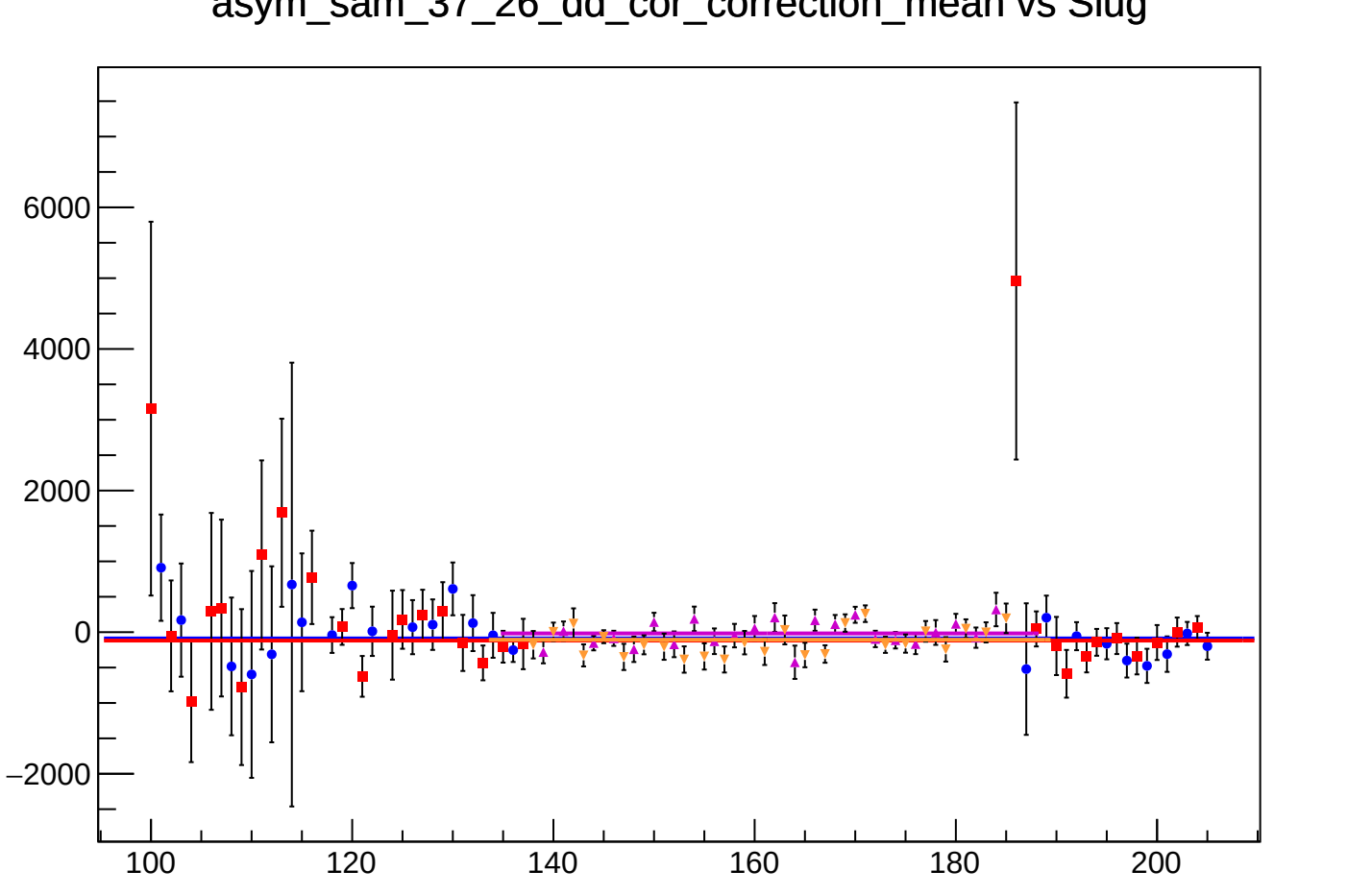
Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.828+/-0.005 χ^2/NDF: 3348792.2/49

All: 42.229+/-0.004 χ^2/NDF: 7708570.2/102

- sign 42.649+/-0.005 χ^2/NDF: 4347877.4/52



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -118.421+/-57.724 χ^2/NDF: 25.3/29

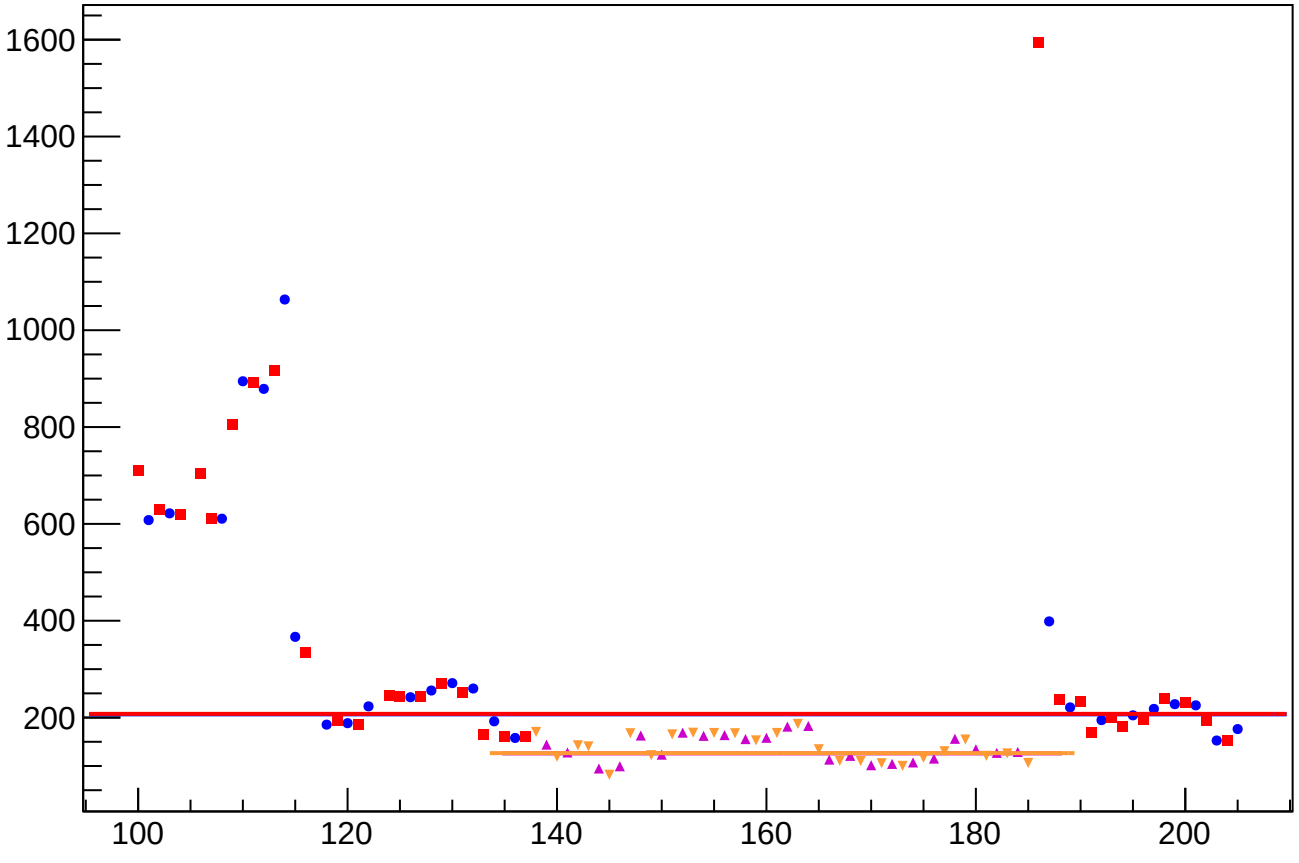
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -102.920+/-26.428 χ^2/NDF: 57.7/49

All: -71.437+/-18.800 χ^2/NDF: 116.6/102

- sign -39.185+/-26.749 χ^2/NDF: 56.0/52

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

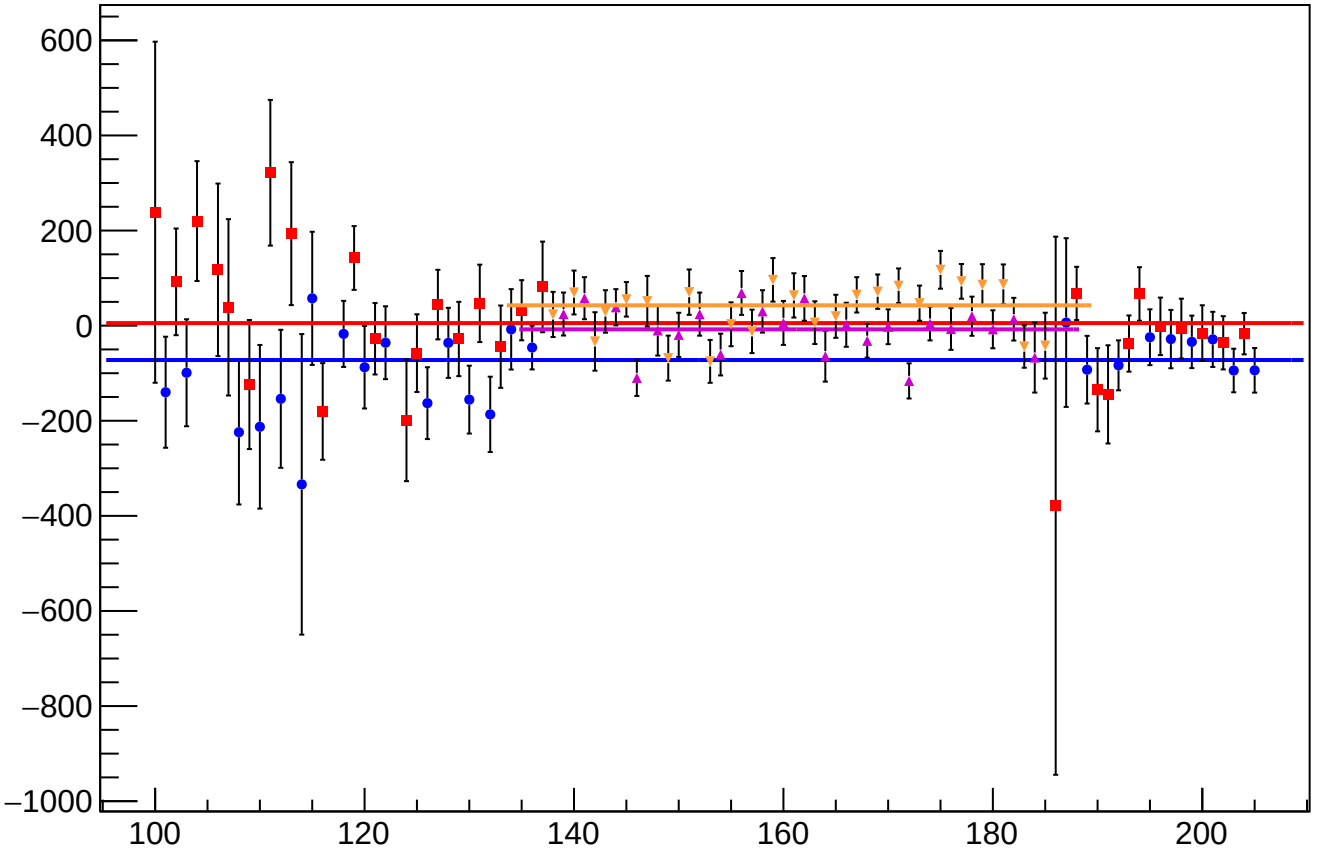
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 142.651+/-0.019 χ^2/NDF: 8141692.2/49

All: 143.092+/-0.013 χ^2/NDF: 17339051.9/10

- sign 143.543+/-0.019 χ^2/NDF: 9196233.5/52

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.397+/-14.332 χ^2/NDF: 32.9/29

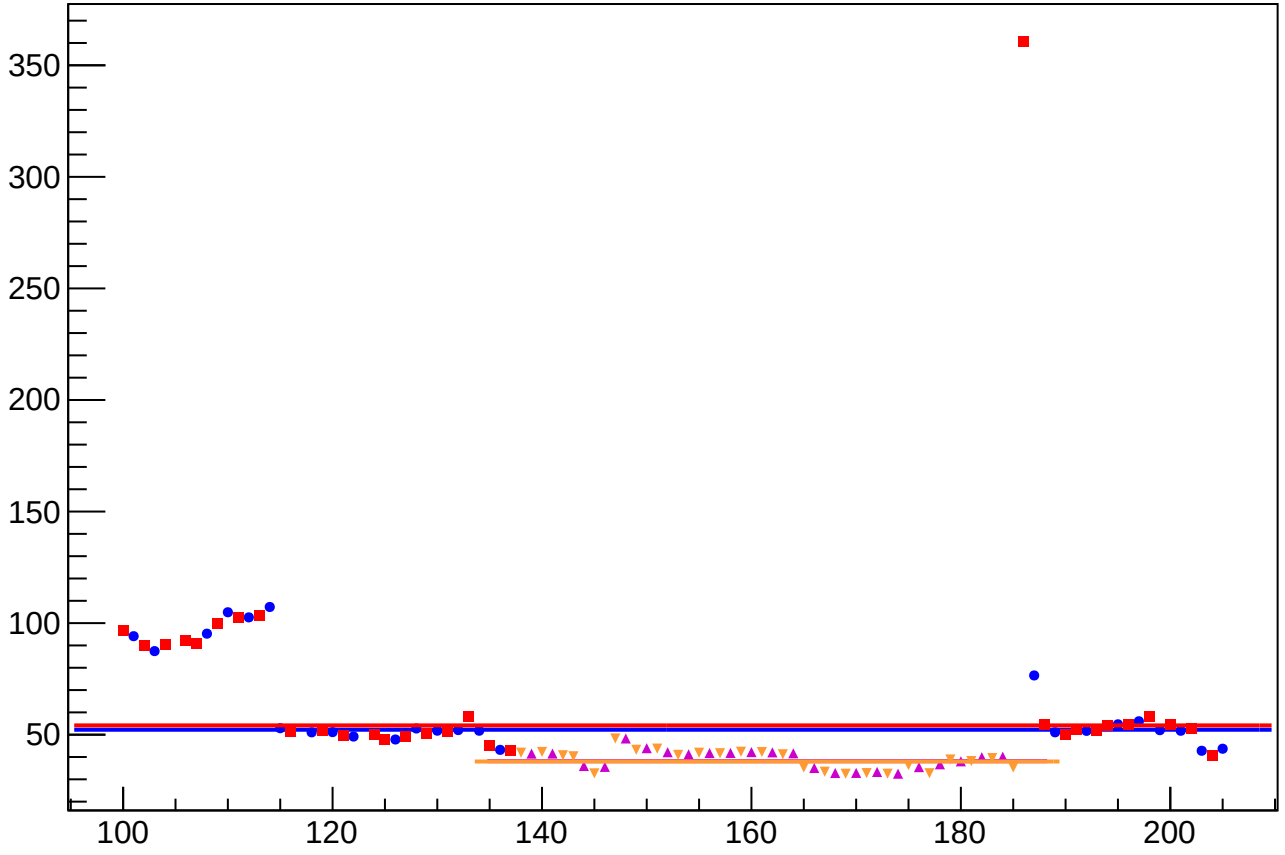
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 11.739+/-7.433 χ^2/NDF: 95.7/49

All: 4.016+/-5.316 χ^2/NDF: 162.0/102

- sign -4.072+/-7.606 χ^2/NDF: 64.1/52

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

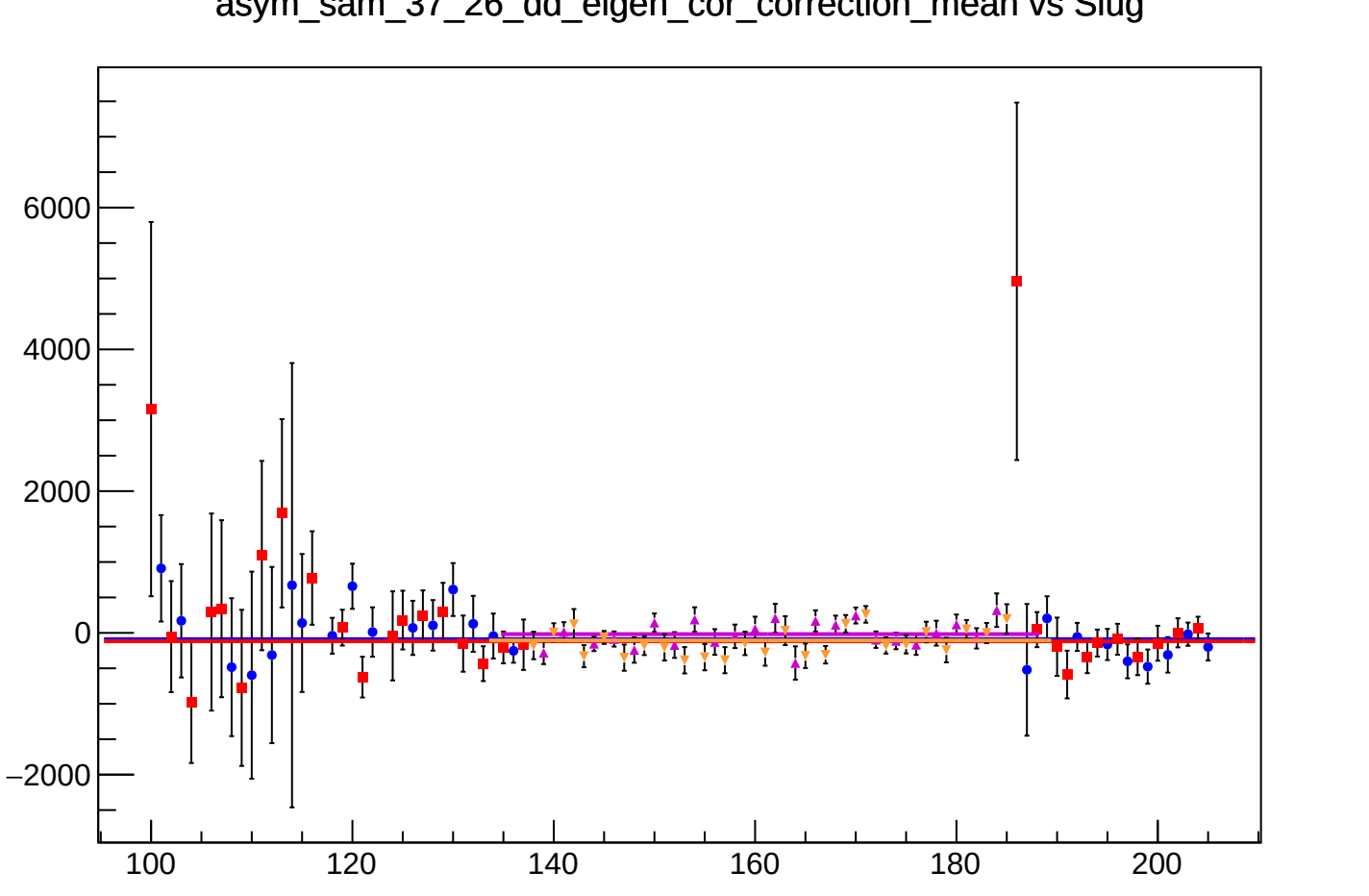
Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.828+/-0.005 χ^2/NDF: 3348792.2/49

All: 42.229+/-0.004 χ^2/NDF: 7708570.2/102

- sign 42.649+/-0.005 χ^2/NDF: 4347877.4/52



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -118.421+/-57.724 χ^2/NDF: 25.3/29

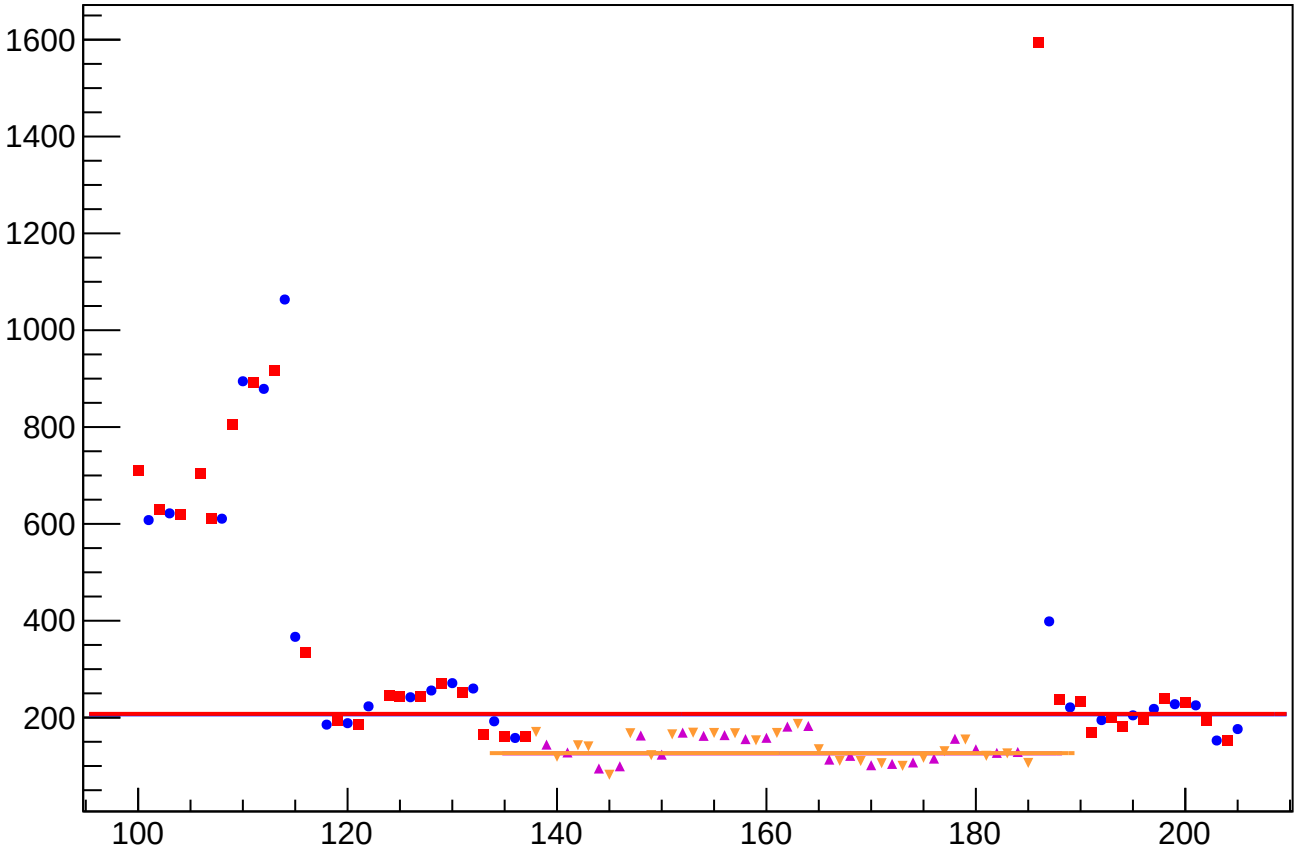
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -102.920+/-26.428 χ^2/NDF: 57.7/49

All: -71.437+/-18.800 χ^2/NDF: 116.6/102

- sign -39.185+/-26.749 χ^2/NDF: 56.0/52

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

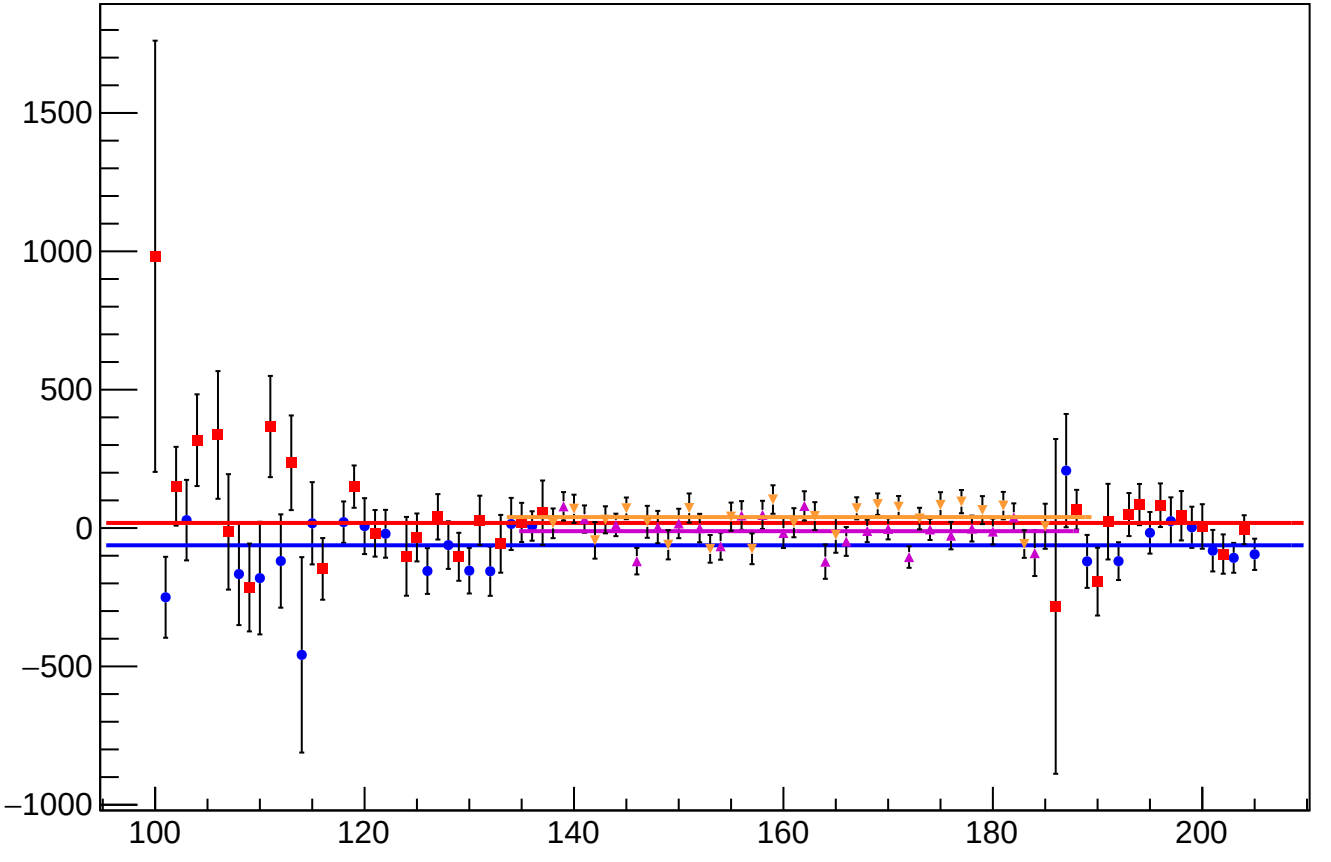
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 142.651+/-0.019 χ^2/NDF: 8141692.2/49

All: 143.092+/-0.013 χ^2/NDF: 17339051.9/10

- sign 143.543+/-0.019 χ^2/NDF: 9196233.5/52

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 18.441+/-17.548 χ^2/NDF: 32.3/29

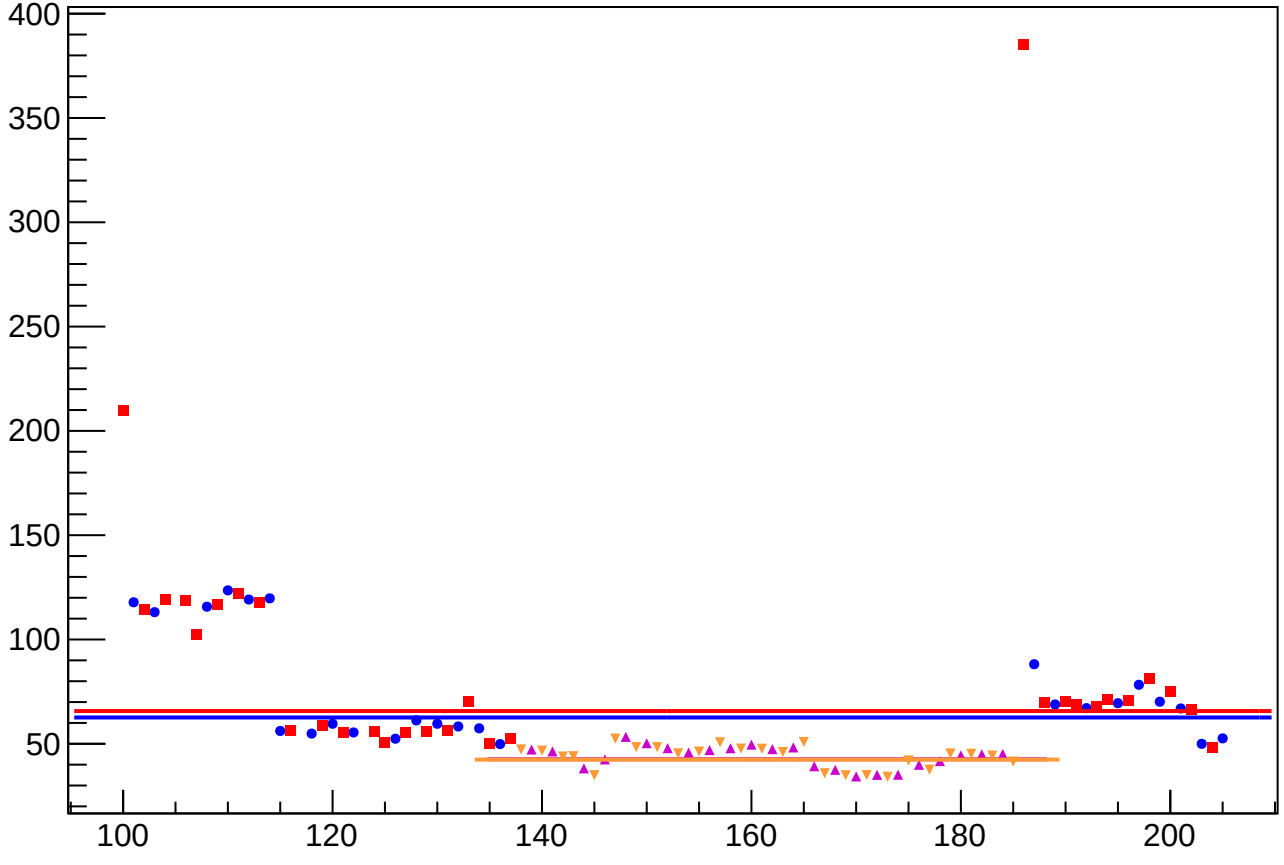
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.016+/-8.491 χ^2/NDF: 74.3/49

All: 5.816+/-6.090 χ^2/NDF: 139.1/102

- sign -3.929+/-8.739 χ^2/NDF: 62.3/52

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.614+/-0.012 χ^2/NDF: 1679047.7/24

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.698+/-0.012 χ^2/NDF: 2492393.4/29

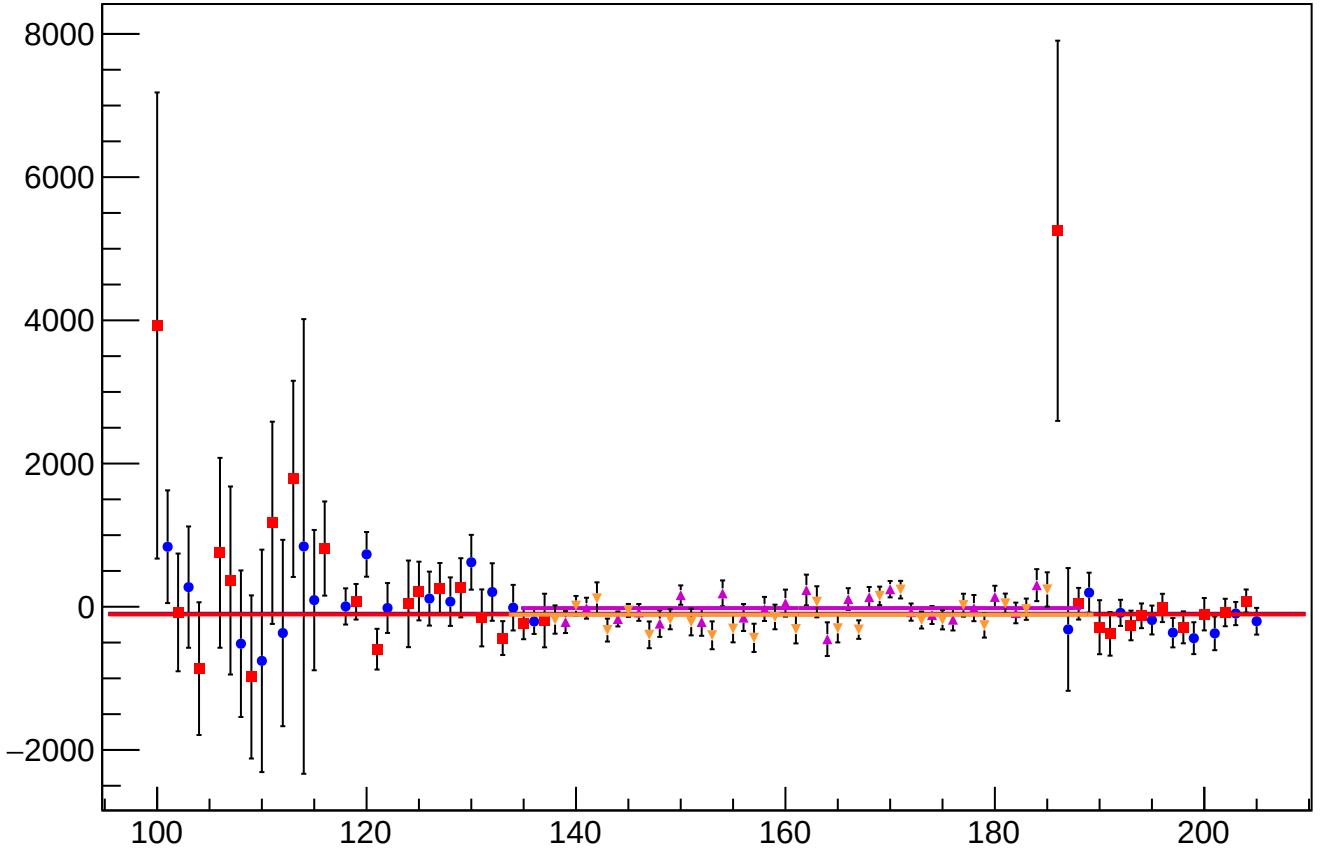
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.289+/-0.006 χ^2/NDF: 4445194.2/49

All: 47.786+/-0.004 χ^2/NDF: 10152400.4/102

- sign 48.313+/-0.006 χ^2/NDF: 5693087.1/52

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -106.519+/-54.413 χ^2/NDF: 24.7/29

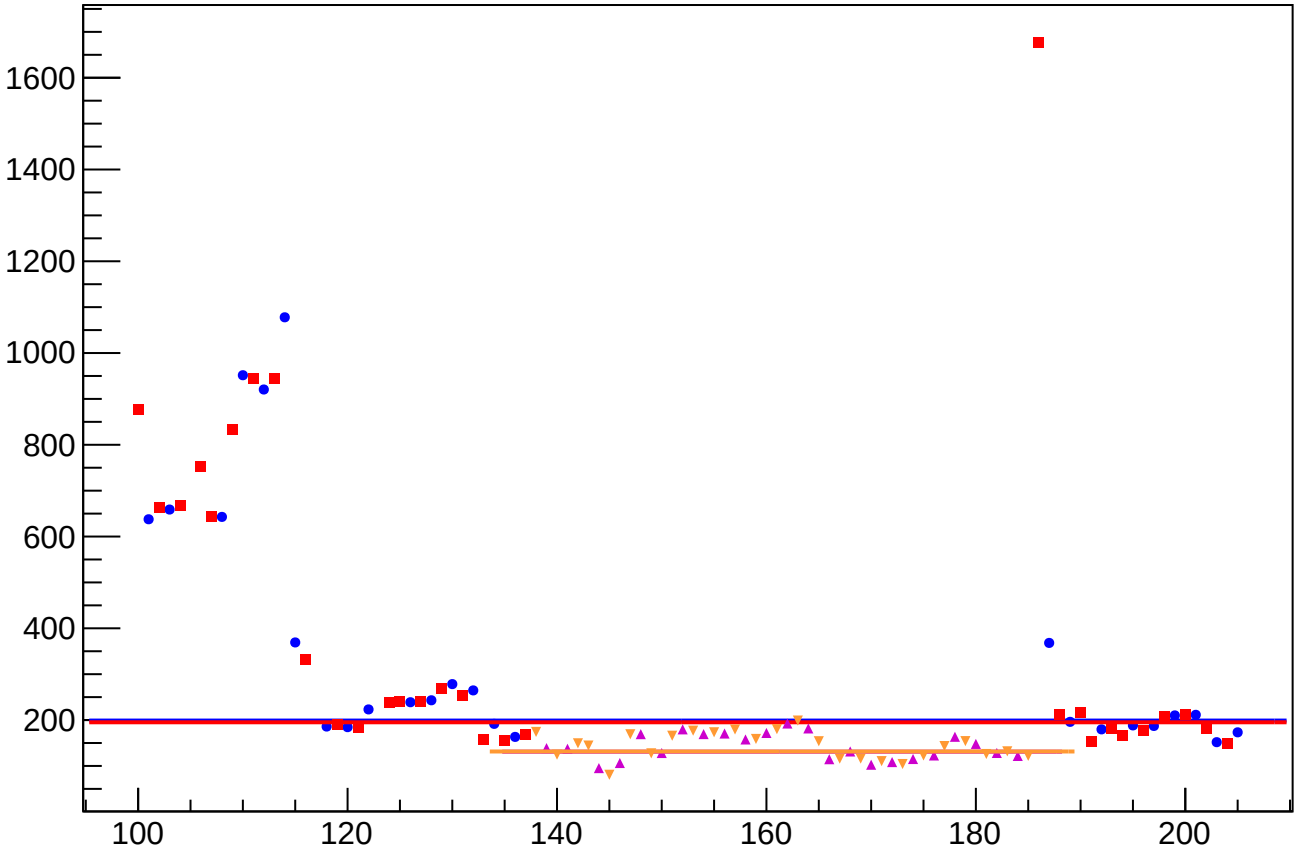
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -107.146+/-27.052 χ^2/NDF: 57.9/49

All: -74.222+/-19.197 χ^2/NDF: 114.7/102

- sign -40.822+/-27.246 χ^2/NDF: 53.9/52

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 198.892+/-0.040 χ^2/NDF: 3515540.6/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.163+/-0.038 χ^2/NDF: 4961875.1/29

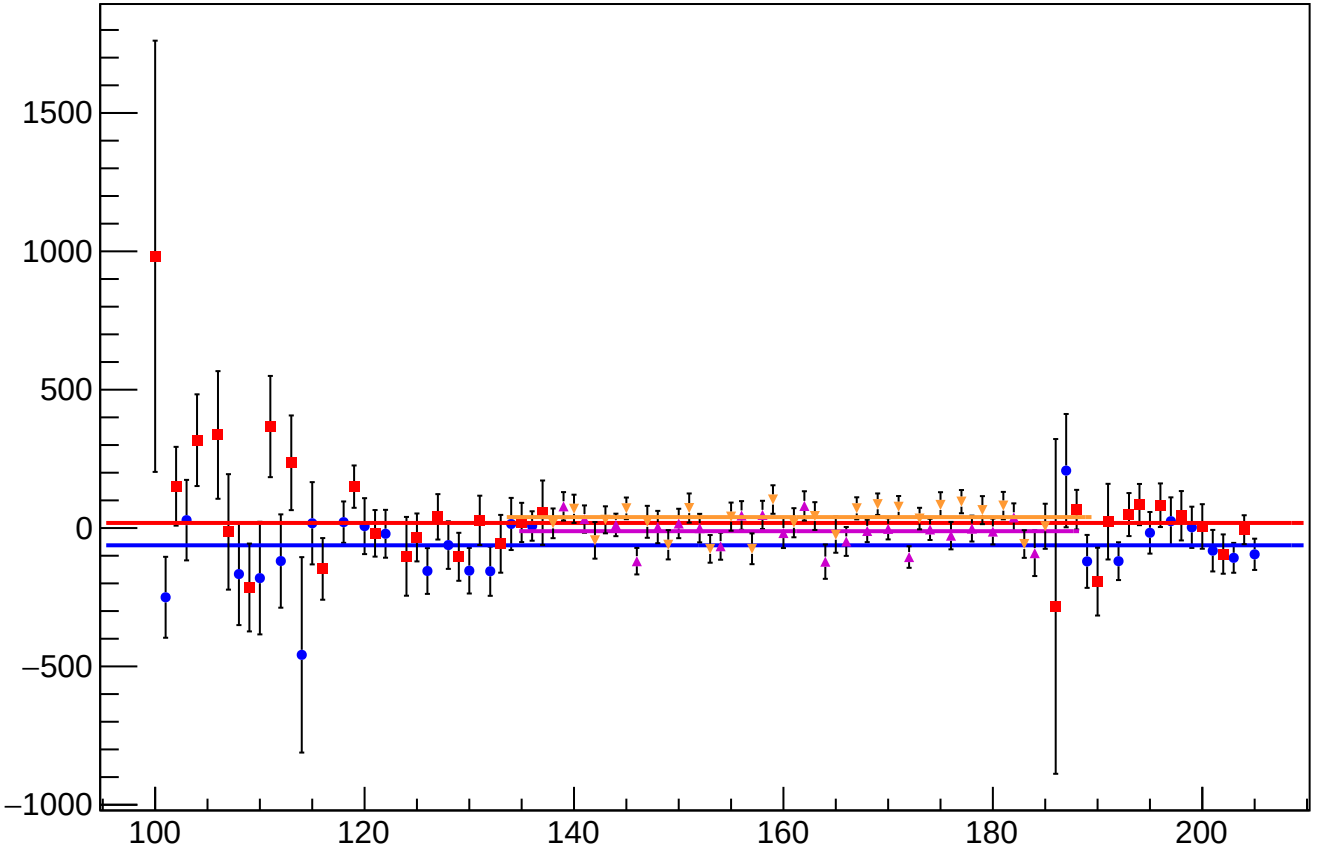
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 146.776+/-0.019 χ^2/NDF: 7592177.3/49

All: 146.958+/-0.014 χ^2/NDF: 16100917.1/10

- sign 147.143+/-0.019 χ^2/NDF: 8508557.5/52

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 18.441+/-17.548 χ^2/NDF: 32.3/29

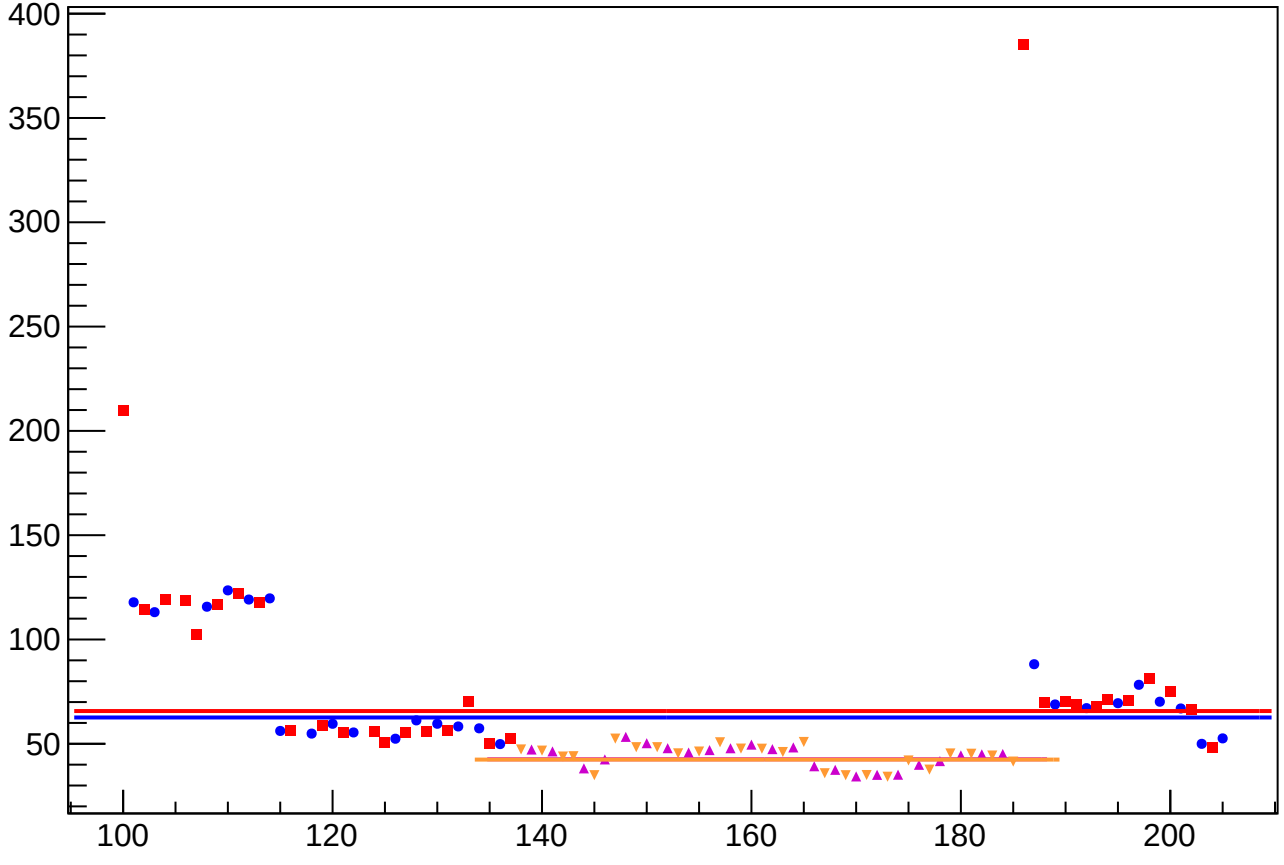
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.016+/-8.491 χ^2/NDF: 74.3/49

All: 5.816+/-6.090 χ^2/NDF: 139.1/102

- sign -3.929+/-8.739 χ^2/NDF: 62.3/52

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.614+/-0.012 χ^2/NDF: 1679037.3/24

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

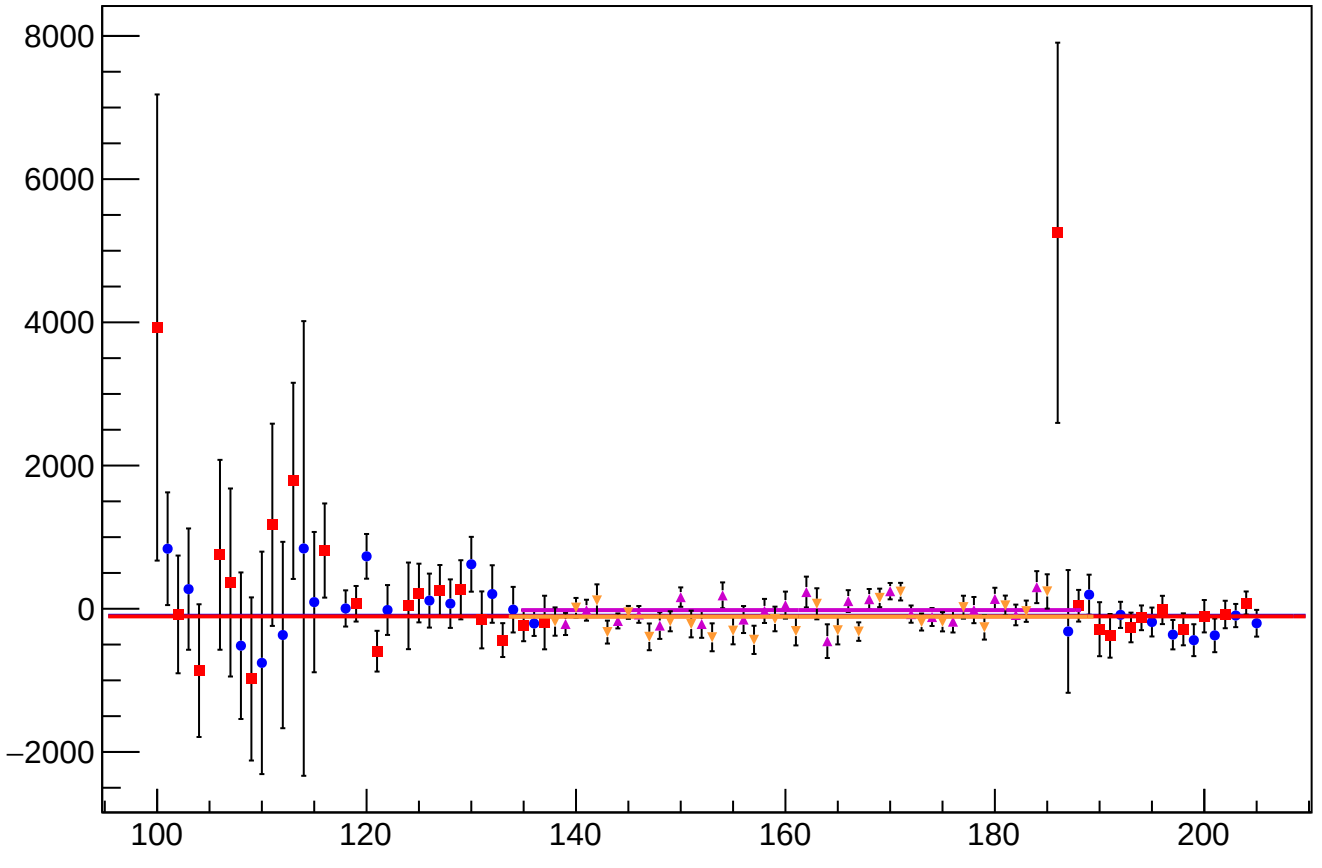
Right Out: 65.699+/-0.012 χ^2/NDF: 2492375.6/29

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.289+/-0.006 χ^2/NDF: 4445208.7/49

All: 47.786+/-0.004 χ^2/NDF: 10152423.8/102

- sign 48.313+/-0.006 χ^2/NDF: 5693093.2/52



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

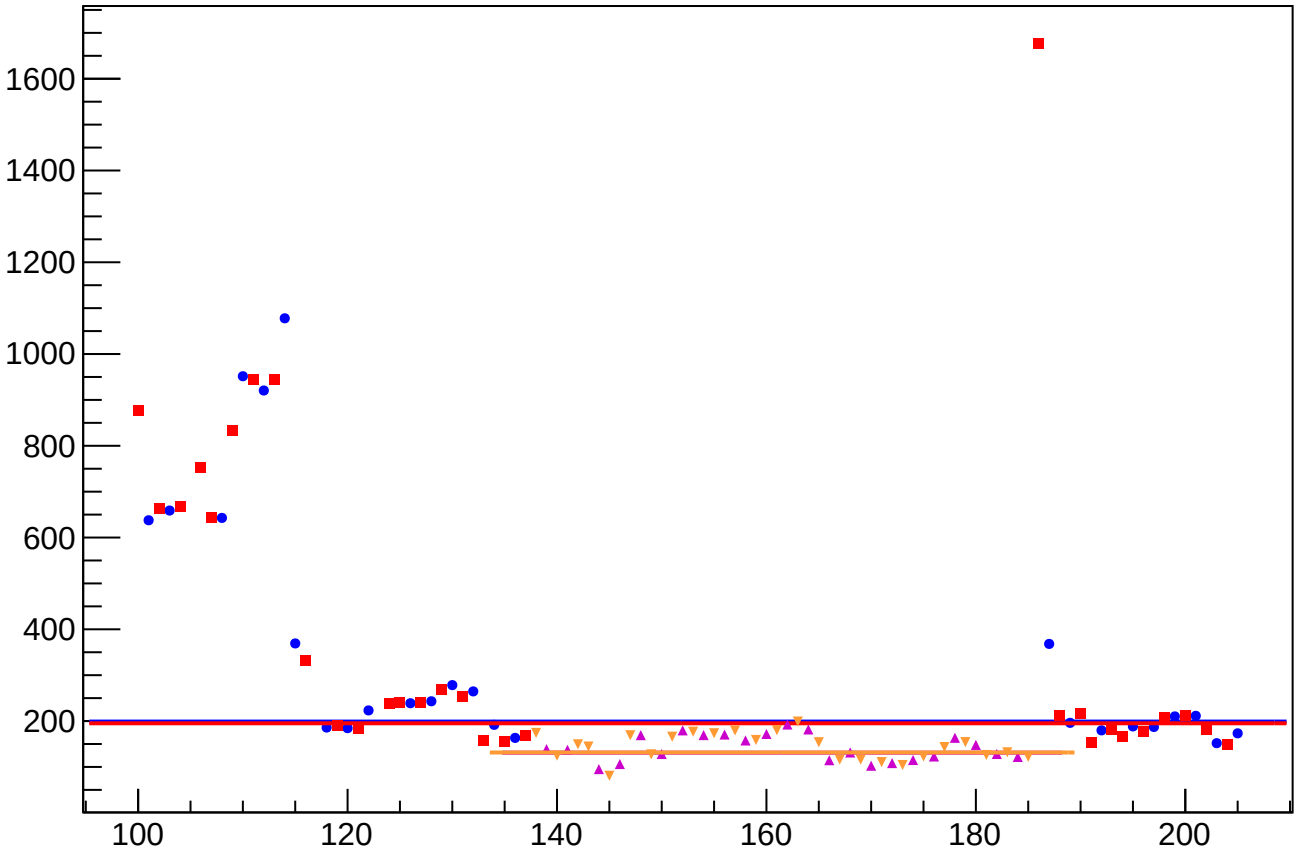
Right Out: -106.518+/-54.413 χ^2/NDF: 24.7/29

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -107.146+/-27.052 χ^2/NDF: 57.9/49

All: -74.222+/-19.197 χ^2/NDF: 114.7/102

- sign -40.822+/-27.246 χ^2/NDF: 53.9/52



Right In: 198.891+/-0.040 χ^2/NDF: 3515532.1/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.162+/-0.038 χ^2/NDF: 4961875.3/29

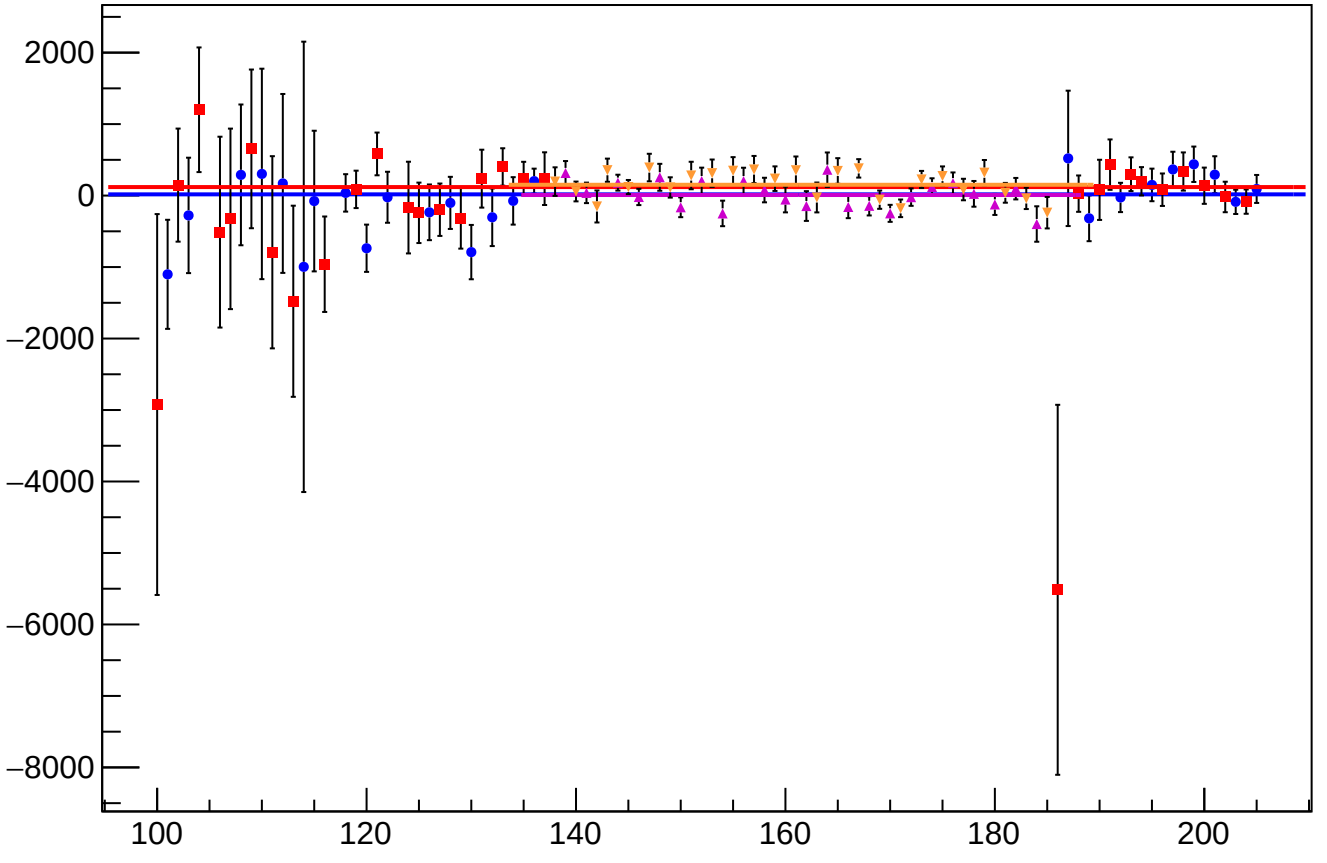
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 146.776+/-0.019 χ^2/NDF: 7592120.1/49

All: 146.958+/-0.014 χ^2/NDF: 16100821.7/10

- sign 147.143+/-0.019 χ^2/NDF: 8508519.4/52

asym_sam_37_26_dd_mean vs Slug



Right In: 17.150+/-60.894 χ^2/NDF: 22.9/24

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 119.034+/-59.754 χ^2/NDF: 23.7/29

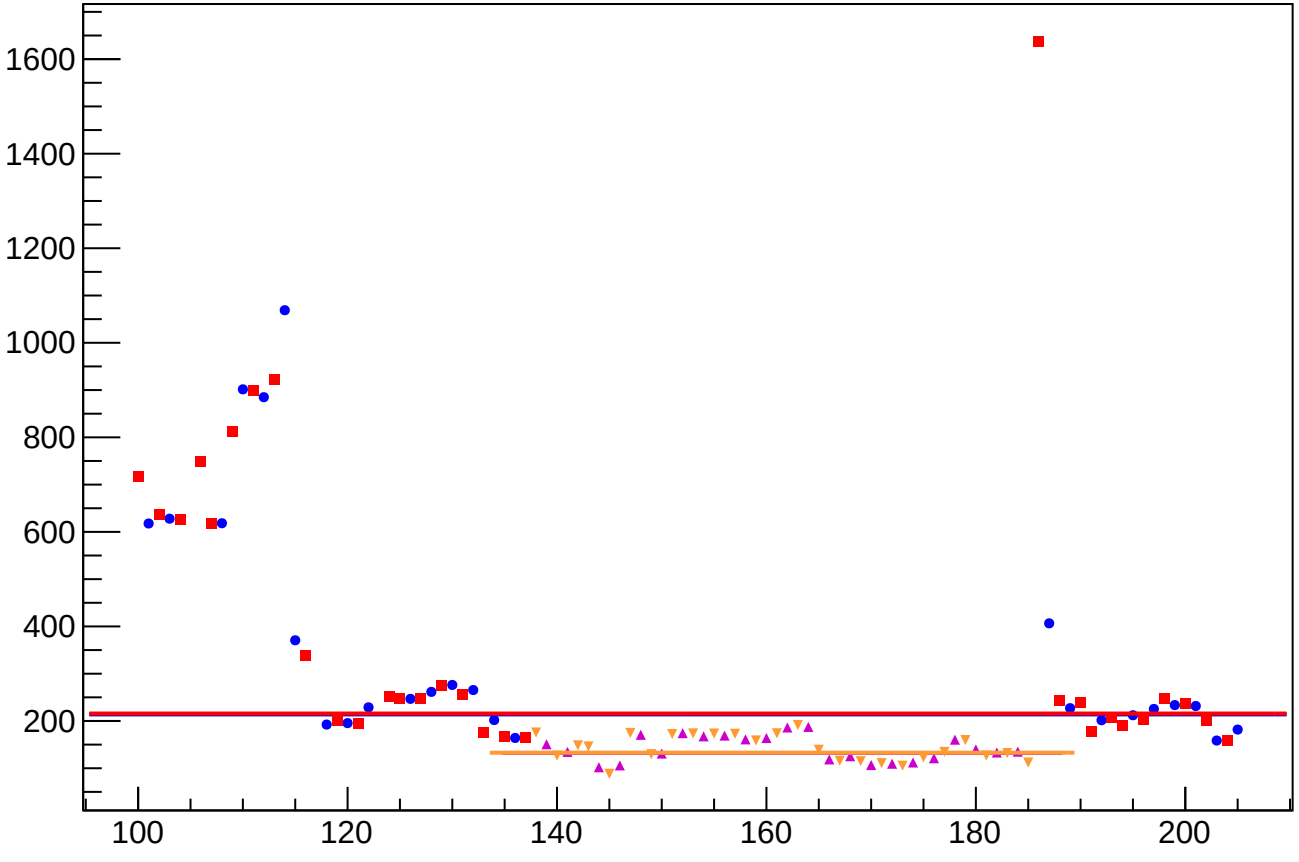
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 123.605+/-27.592 χ^2/NDF: 59.9/49

All: 78.512+/-19.635 χ^2/NDF: 121.1/102

- sign 32.245+/-27.949 χ^2/NDF: 55.8/52

asym_sam_37_26_dd_rms vs Slug



Right In: 213.886+/-0.043 χ^2/NDF: 3342053.1/24

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

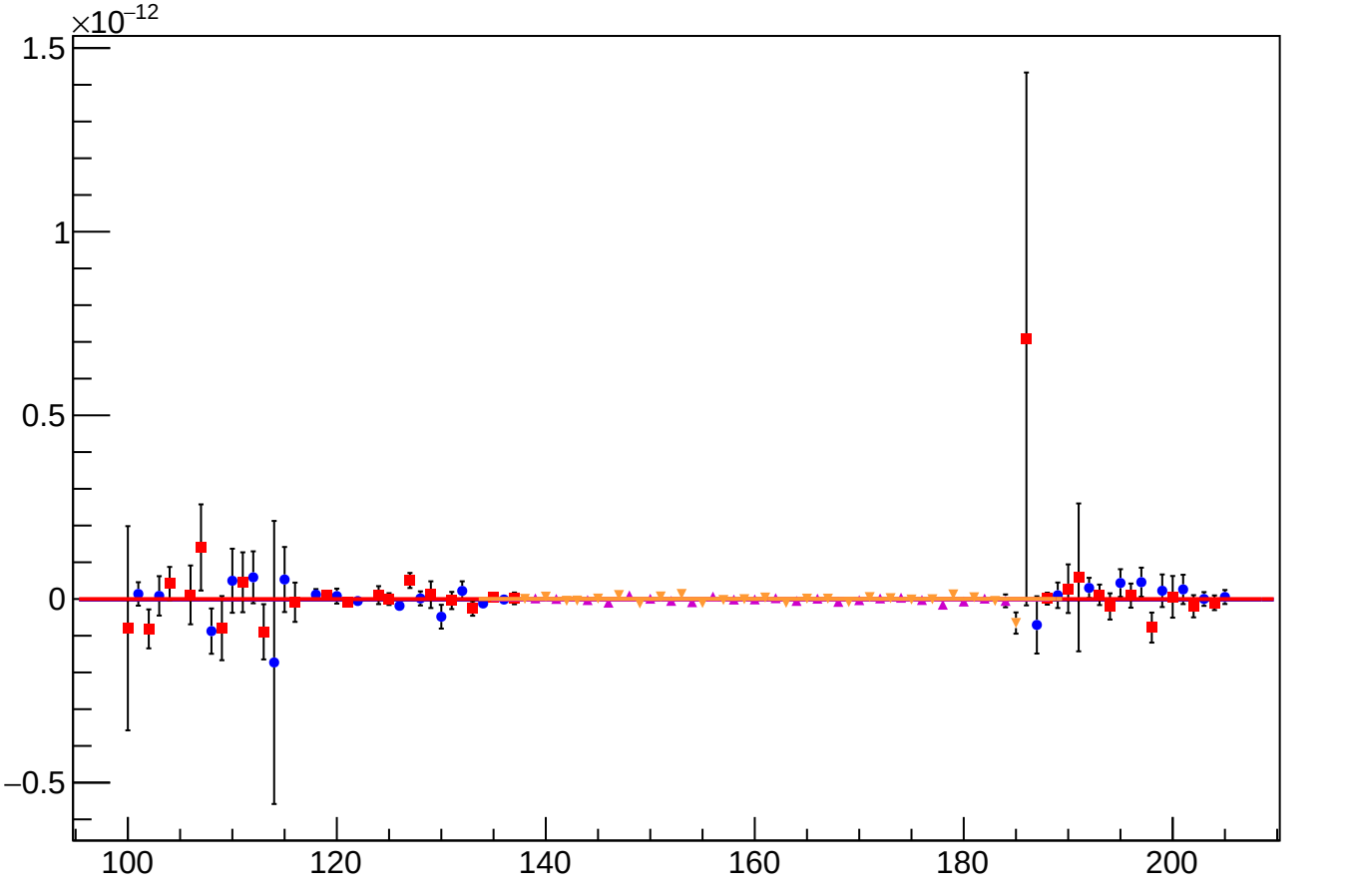
Right Out: 215.752+/-0.042 χ^2/NDF: 4589967.4/29

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 149.508+/-0.020 χ^2/NDF: 7747282.6/49

All: 150.042+/-0.014 χ^2/NDF: 16661018.1/10

- sign 150.590+/-0.020 χ^2/NDF: 8912218.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

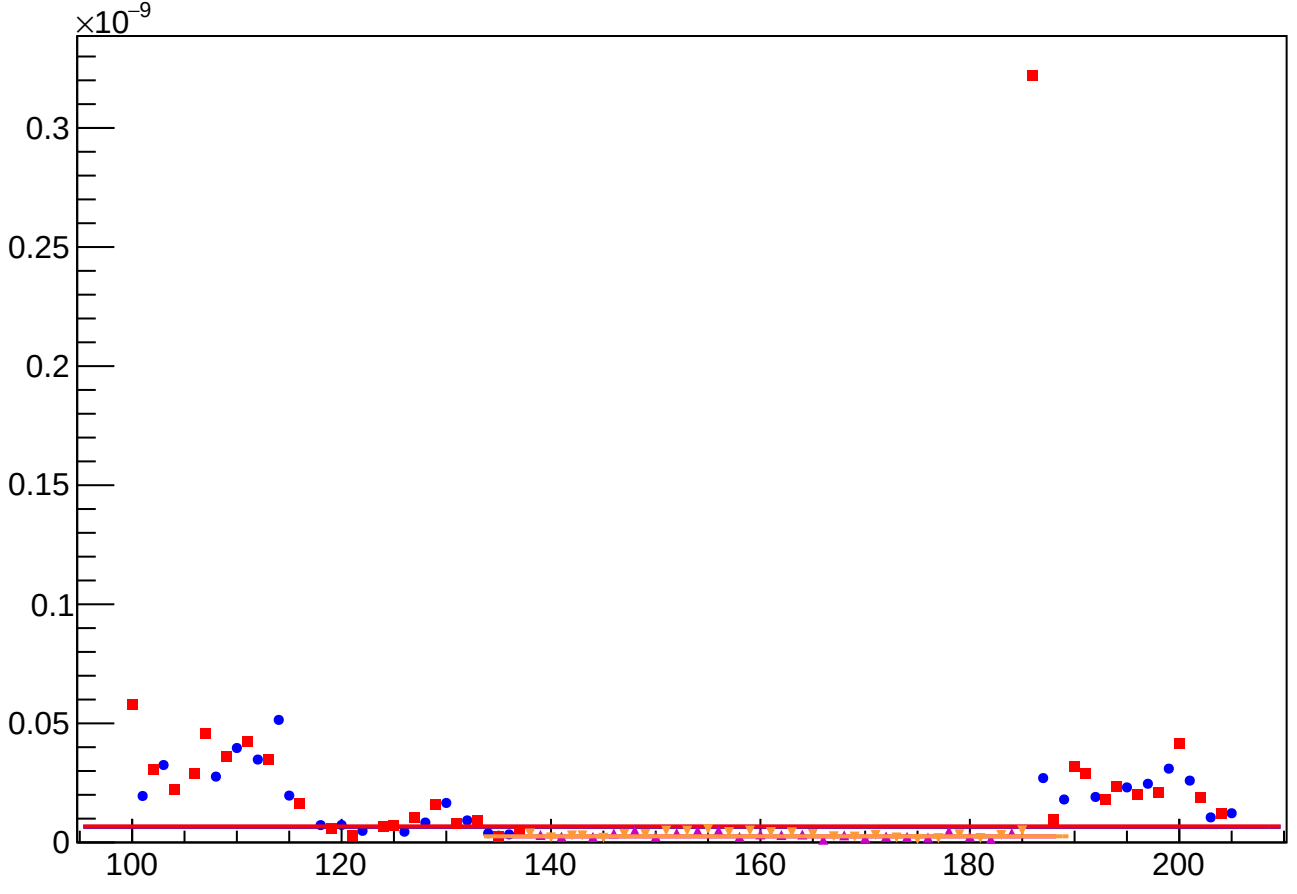
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/29

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/49

All: -0.000+/-0.000 χ^2/NDF: 90.5/102

- sign -0.000+/-0.000 χ^2/NDF: 39.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5836189.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6921765.2/29

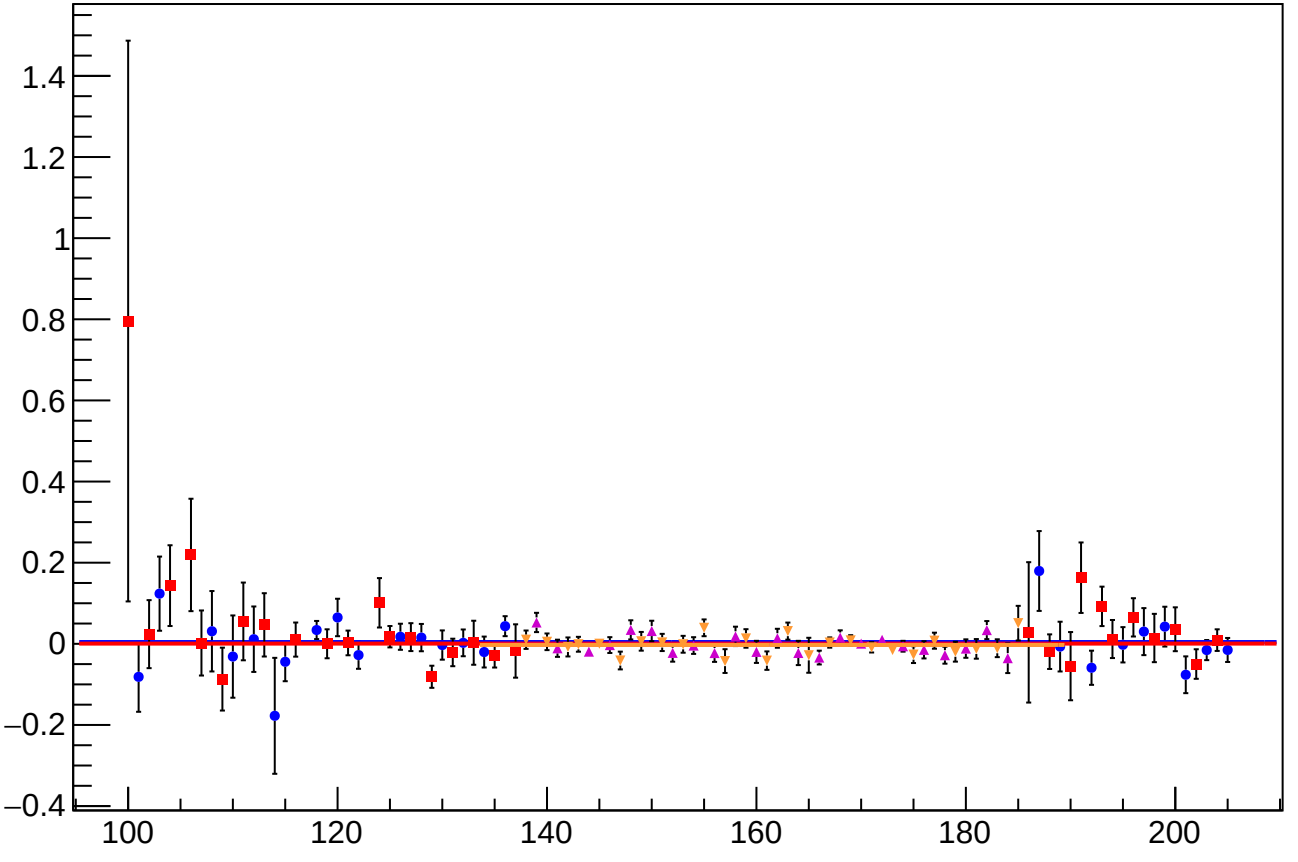
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10477472.2/49

All: 0.000+/-0.000 χ^2/NDF: 21386012.1/102

- sign 0.000+/-0.000 χ^2/NDF: 10906067.6/52

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

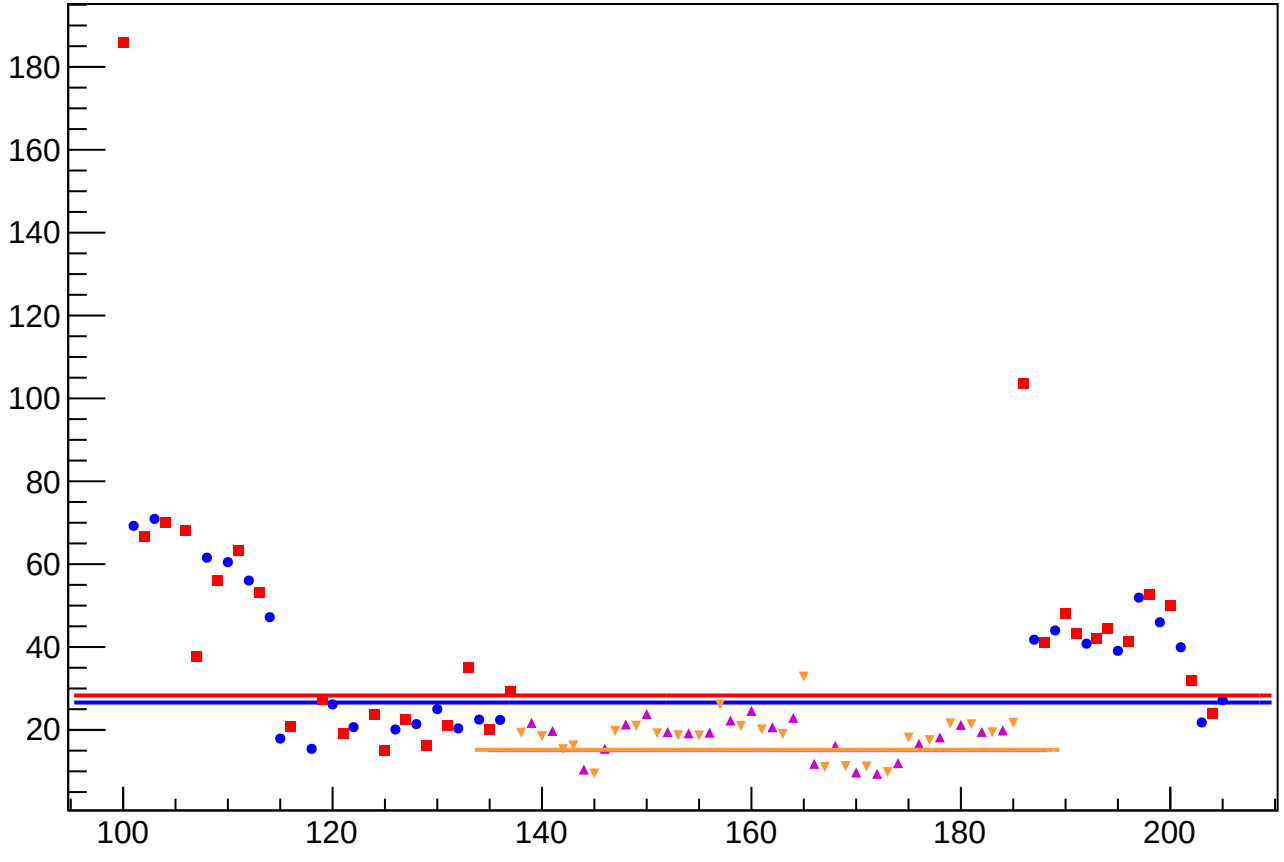
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.002+/-0.002 χ^2/NDF: 108.2/102

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

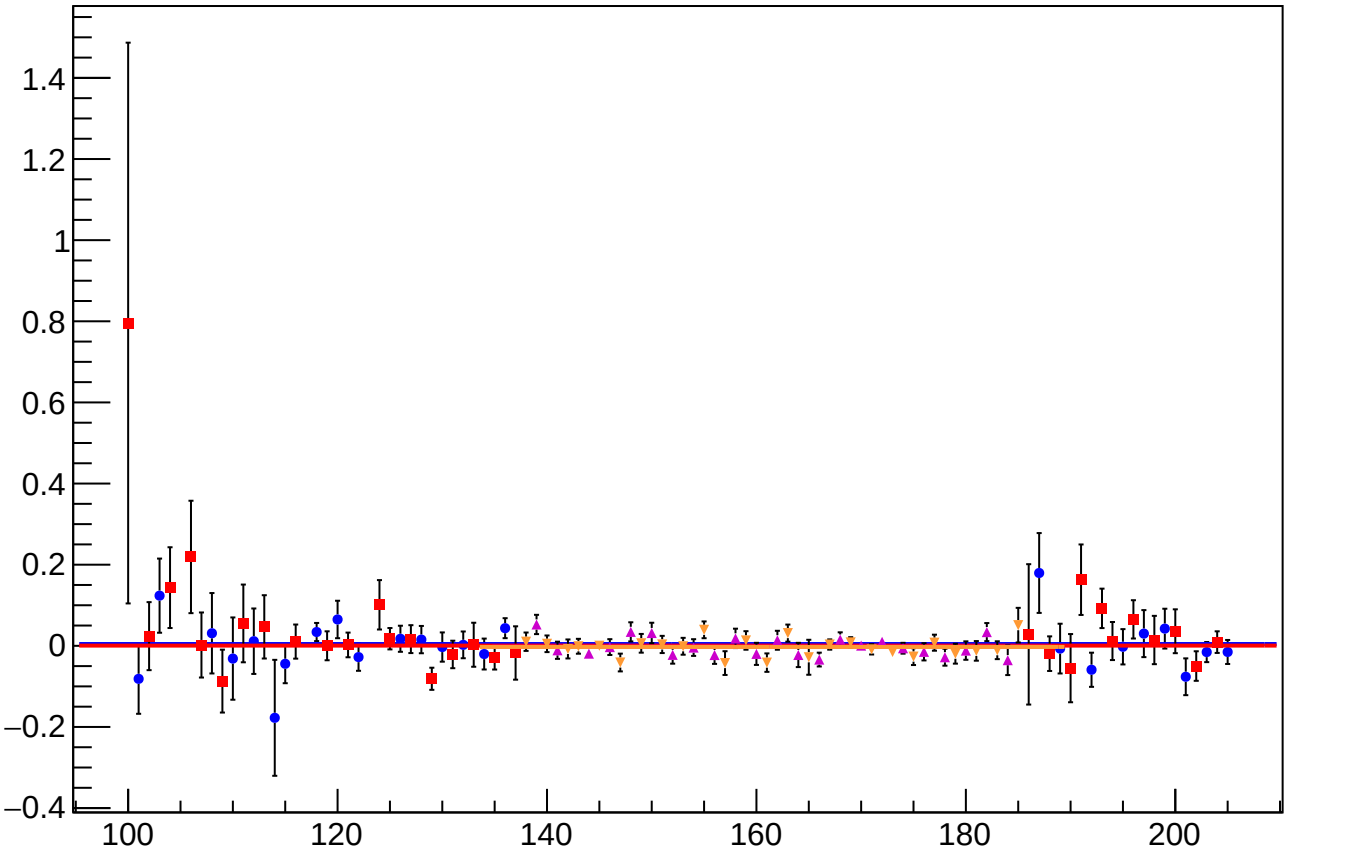
Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005220.4/49

All: 17.345+/-0.002 χ^2/NDF: 23960477.4/102

- sign 17.470+/-0.002 χ^2/NDF: 12950229.6/52



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

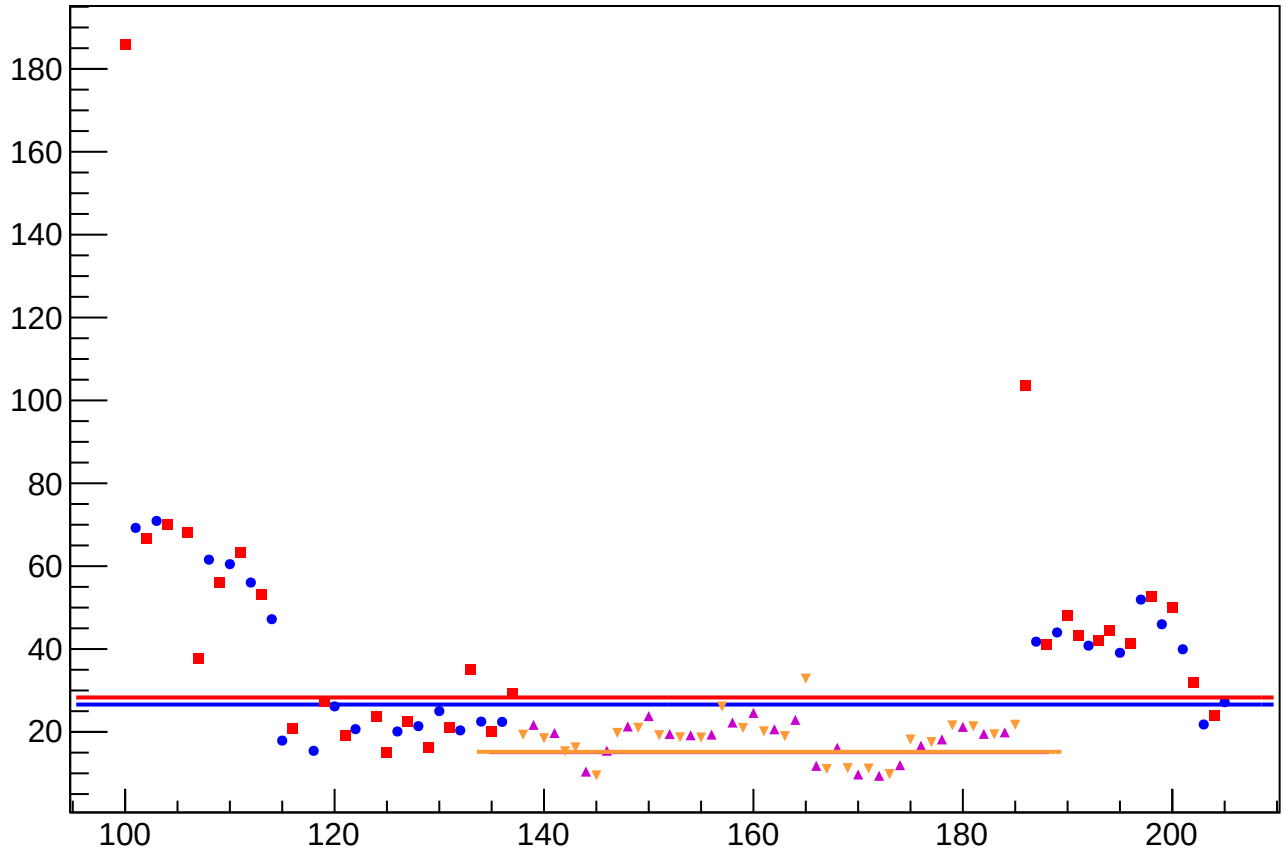
Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.002+/-0.002 χ^2/NDF: 108.2/102

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

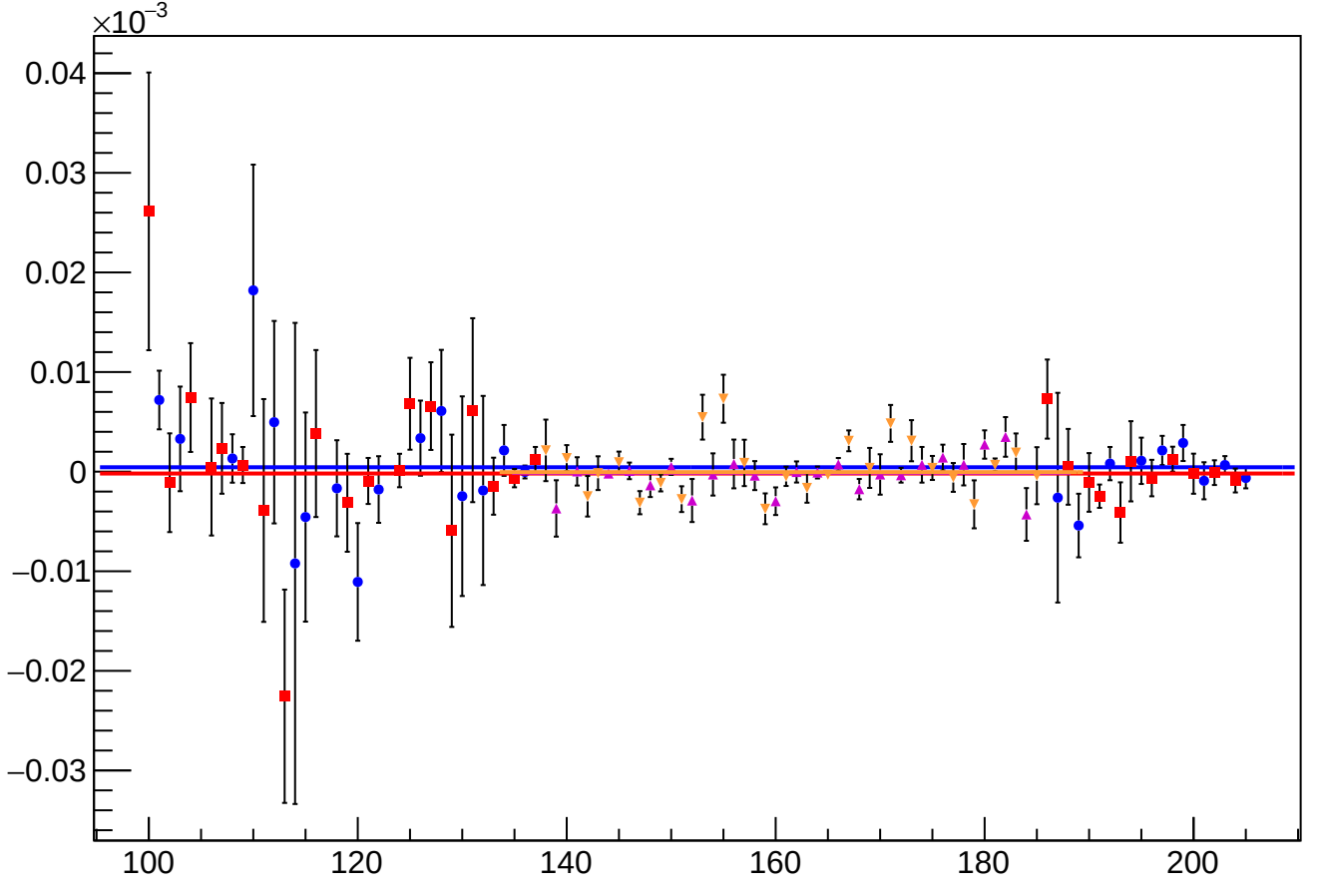
Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005220.4/49

All: 17.345+/-0.002 χ^2/NDF: 23960477.4/102

- sign 17.470+/-0.002 χ^2/NDF: 12950229.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

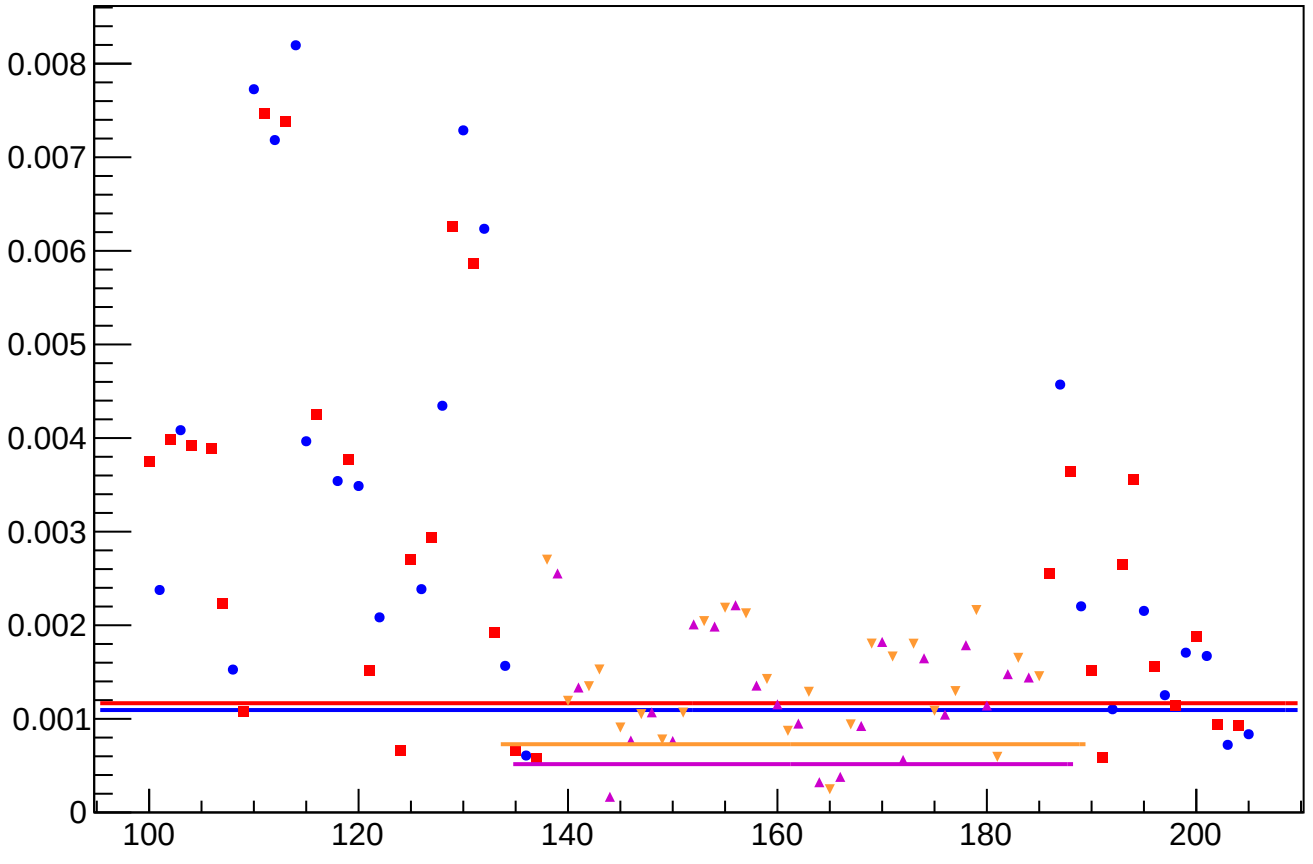
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/29

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.8/49

All: -0.000+/-0.000 χ^2/NDF: 143.3/102

- sign -0.000+/-0.000 χ^2/NDF: 54.8/52



Right In: 0.001+/-0.000 χ^2/NDF: 8834936.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

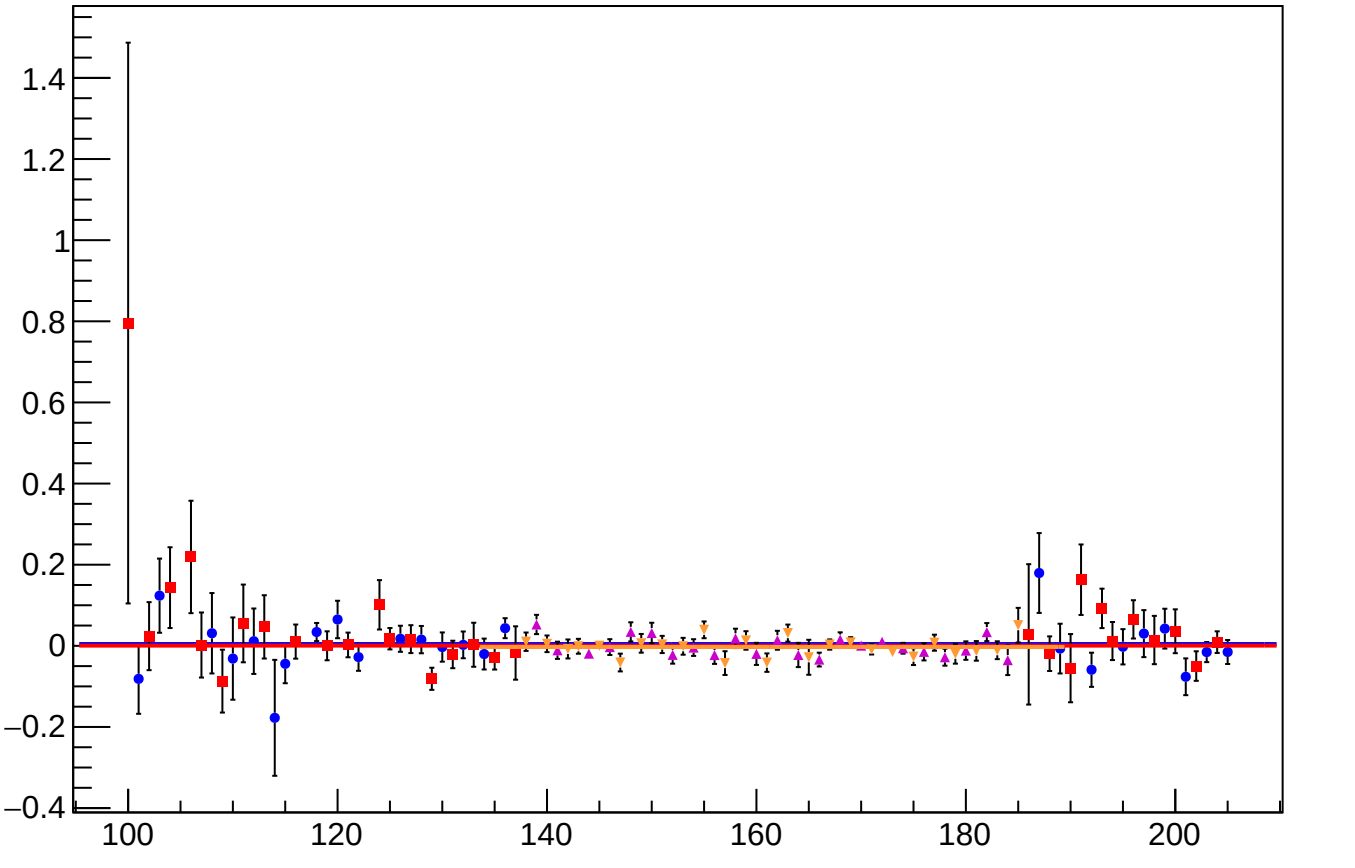
Right Out: 0.001+/-0.000 χ^2/NDF: 10092691.2/29

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 23396540.7/49

All: 0.001+/-0.000 χ^2/NDF: 54456467.0/102

- sign 0.001+/-0.000 χ^2/NDF: 29873422.4/52



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

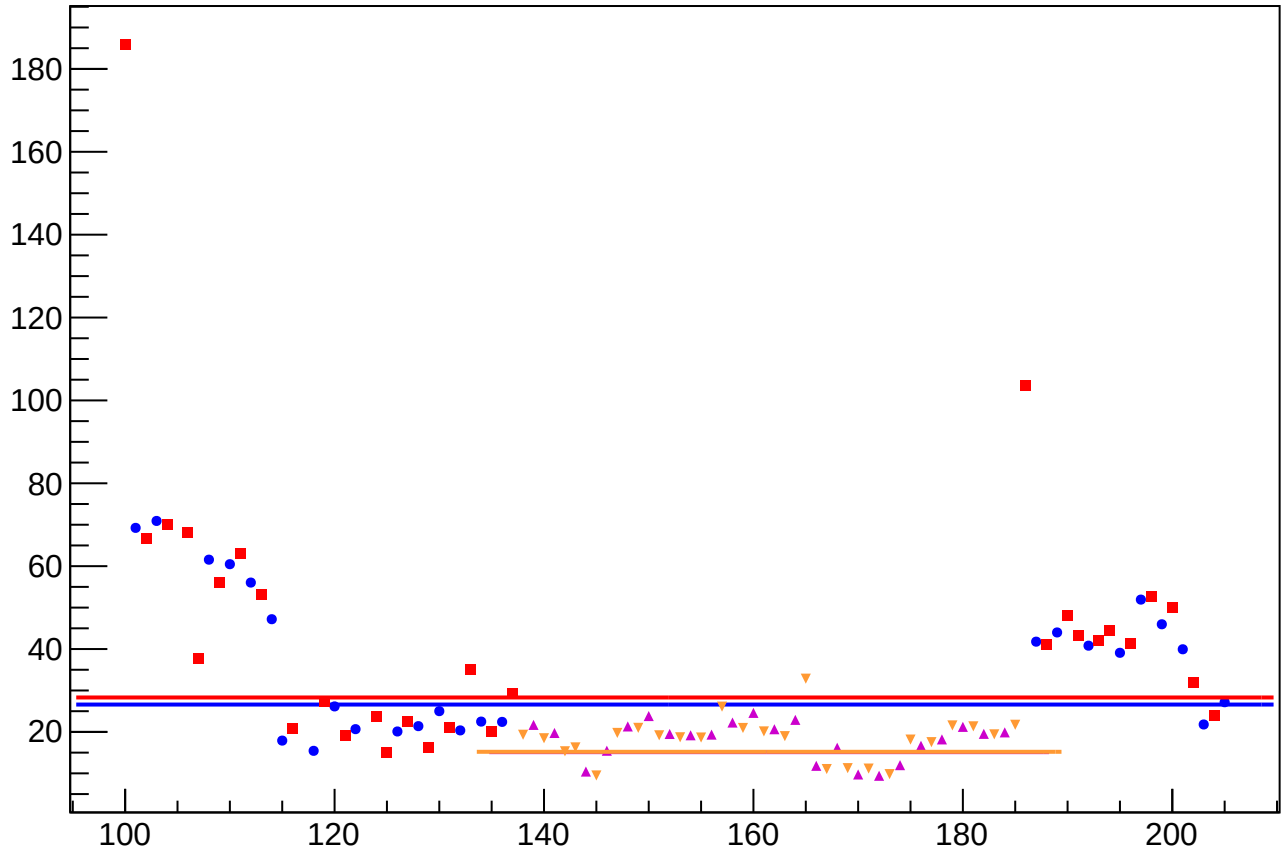
Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.002+/-0.002 χ^2/NDF: 108.2/102

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

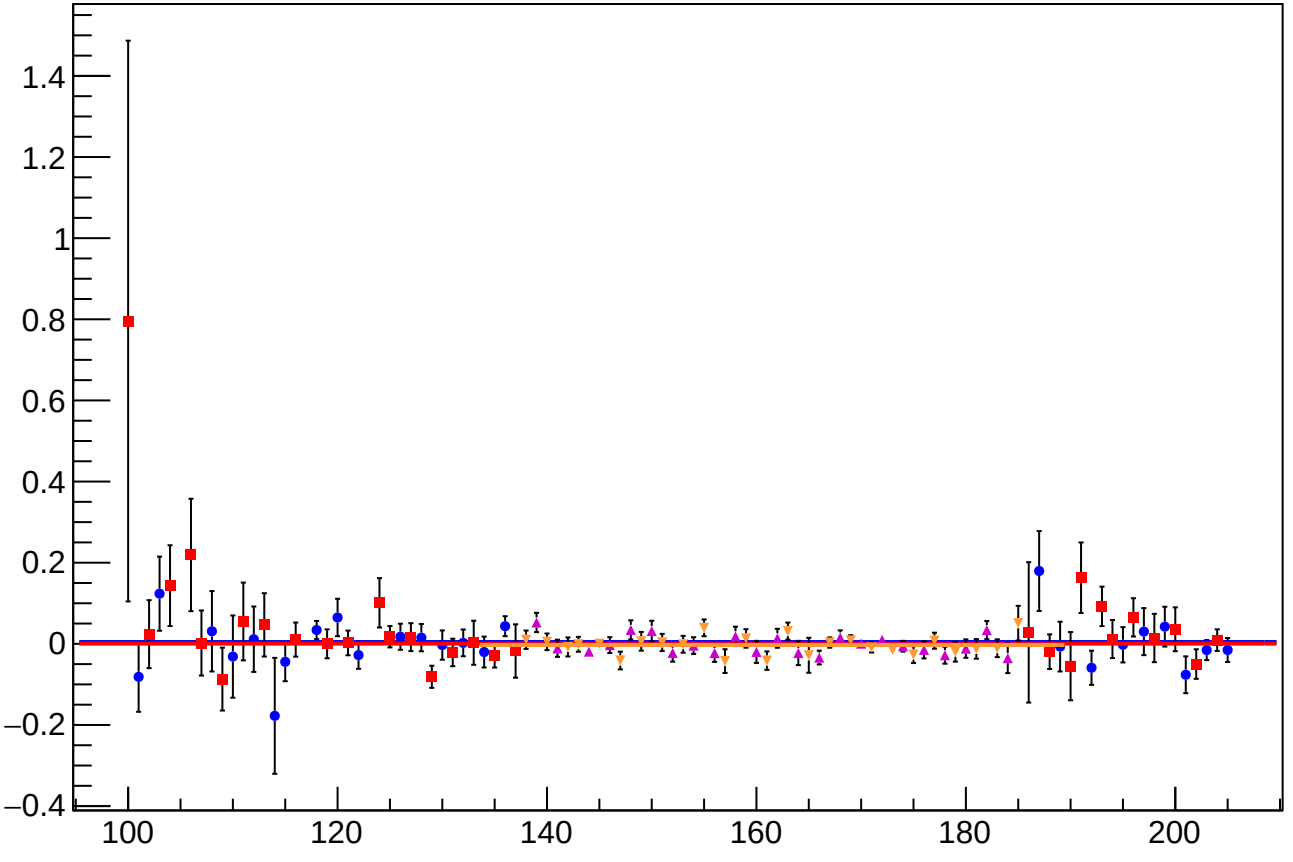
Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005210.3/49

All: 17.345+/-0.002 χ^2/NDF: 23960466.3/102

- sign 17.470+/-0.002 χ^2/NDF: 12950224.5/52

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

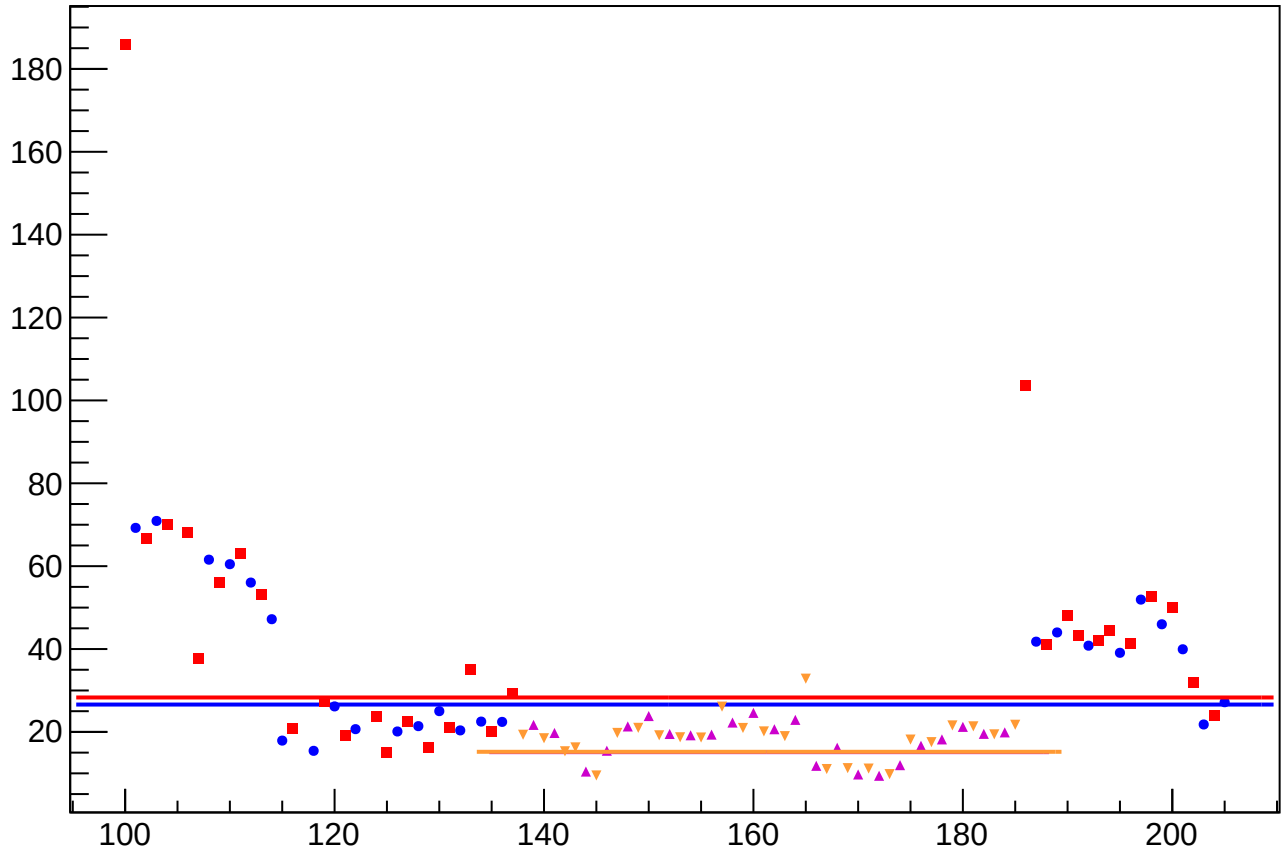
Right Out: 0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.002+/-0.002 χ^2/NDF: 108.2/102

- sign -0.002+/-0.003 χ^2/NDF: 61.1/52



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

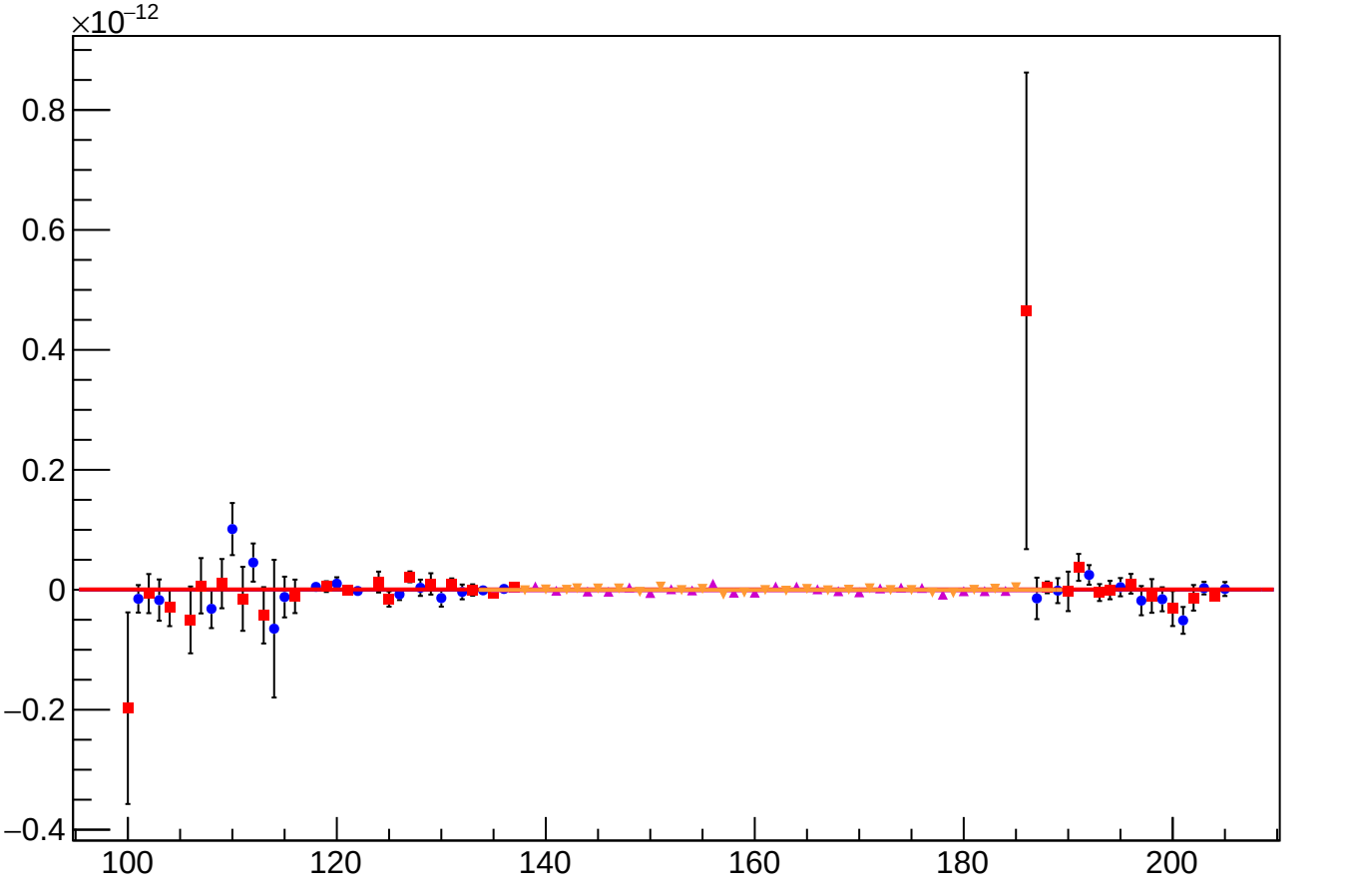
Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005210.3/49

All: 17.345+/-0.002 χ^2/NDF: 23960466.3/102

- sign 17.470+/-0.002 χ^2/NDF: 12950224.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

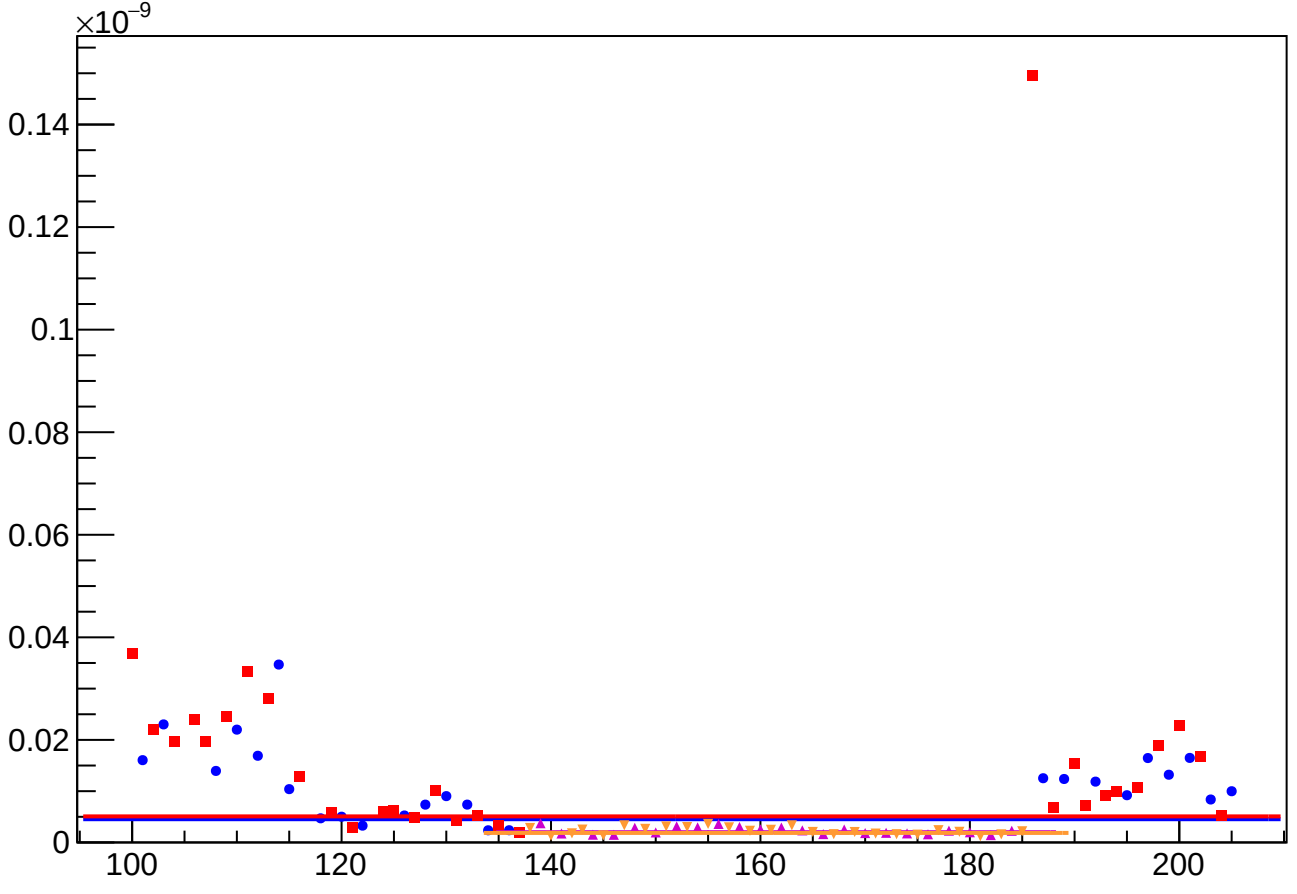
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/29

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/49

All: -0.000+/-0.000 χ^2/NDF: 108.1/102

- sign -0.000+/-0.000 χ^2/NDF: 64.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 7084770.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716899.4/29

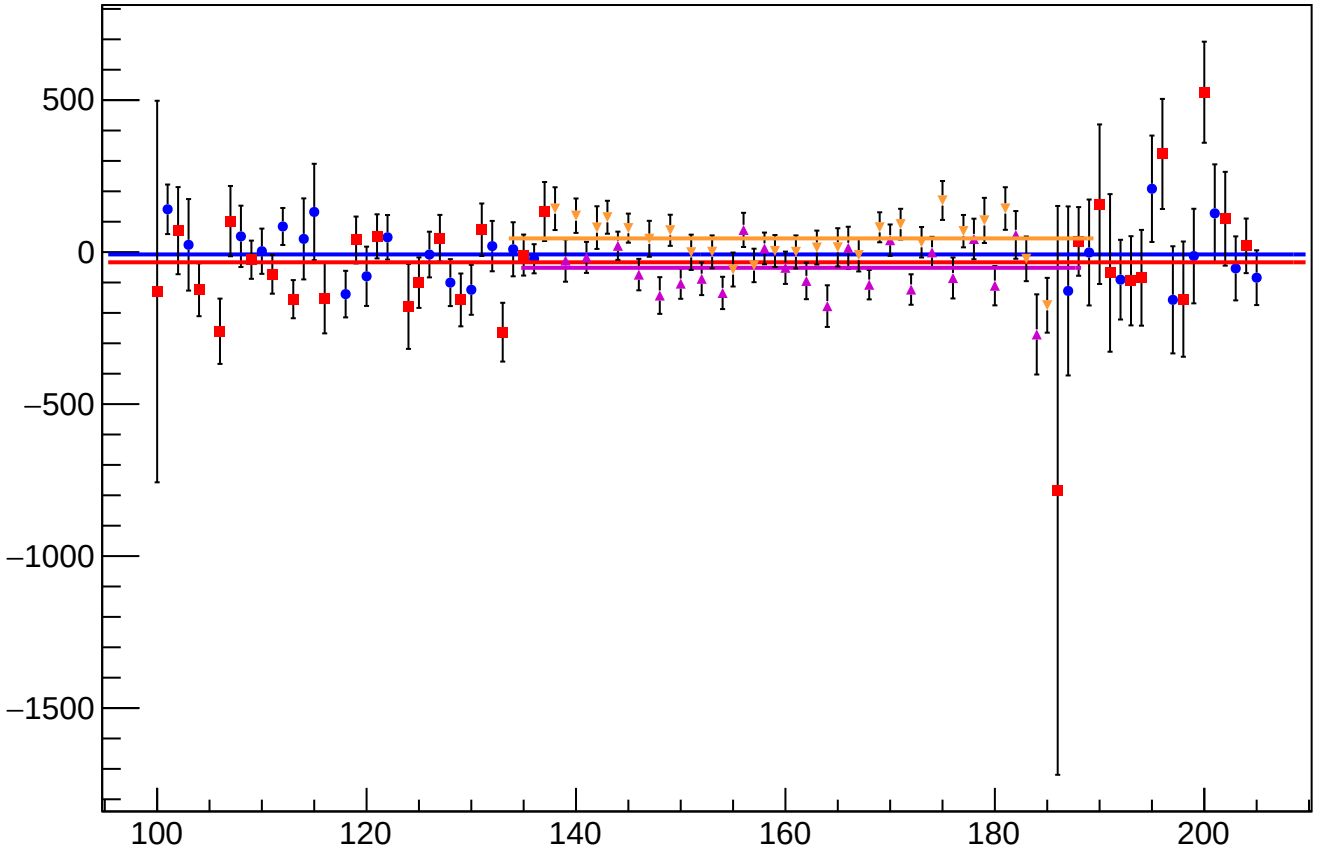
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13324889.2/49

All: 0.000+/-0.000 χ^2/NDF: 27133443.8/102

- sign 0.000+/-0.000 χ^2/NDF: 13704510.3/52

reg_asym_sam_1357_avg_mean vs Slug



Right In: -7.618+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -33.503+/-18.096 χ^2/NDF: 48.7/29

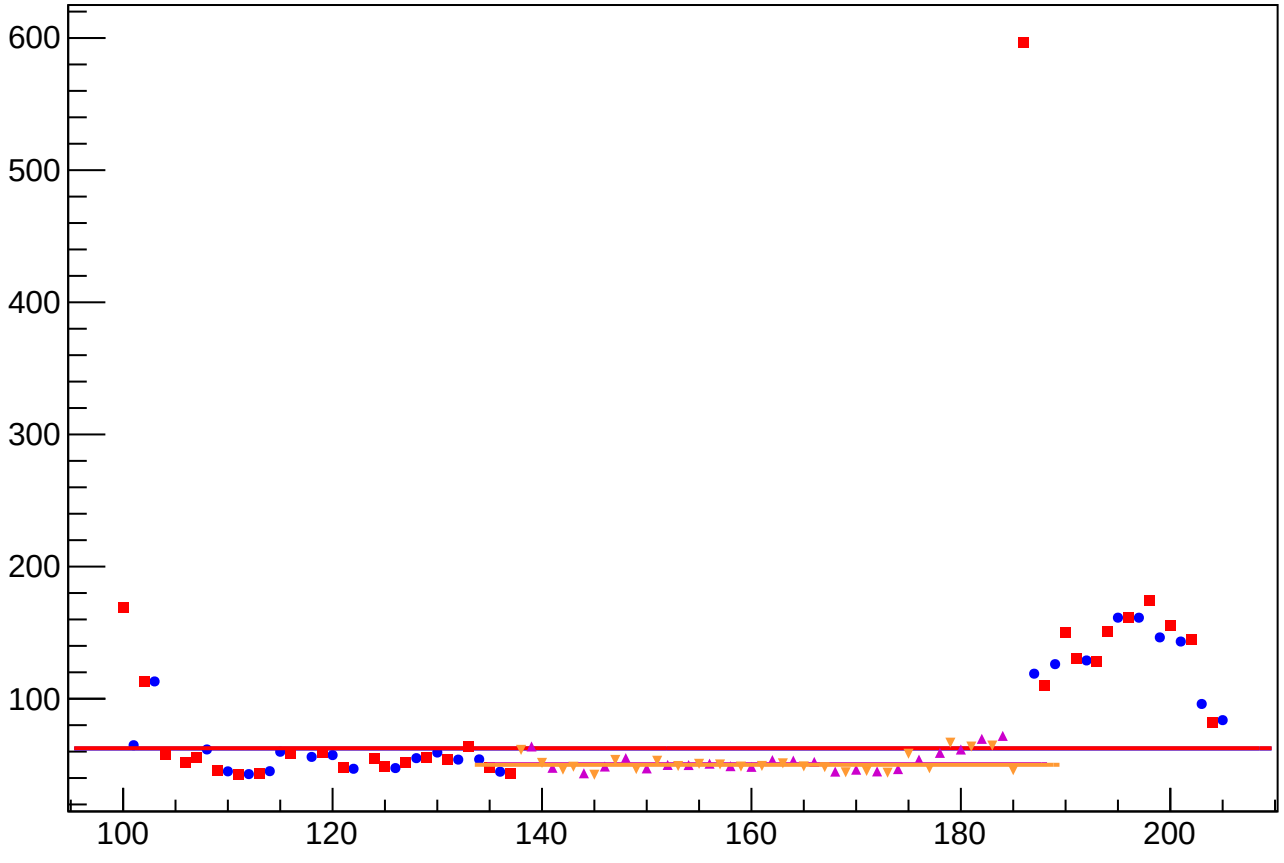
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 30.261+/-9.744 χ^2/NDF: 56.4/49

All: -7.099+/-6.965 χ^2/NDF: 171.7/102

- sign -46.130+/-9.960 χ^2/NDF: 85.3/52

reg_asym_sam_1357_avg_rms vs Slug



Right In: 62.294+/-0.013 χ^2/NDF: 4630752.4/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

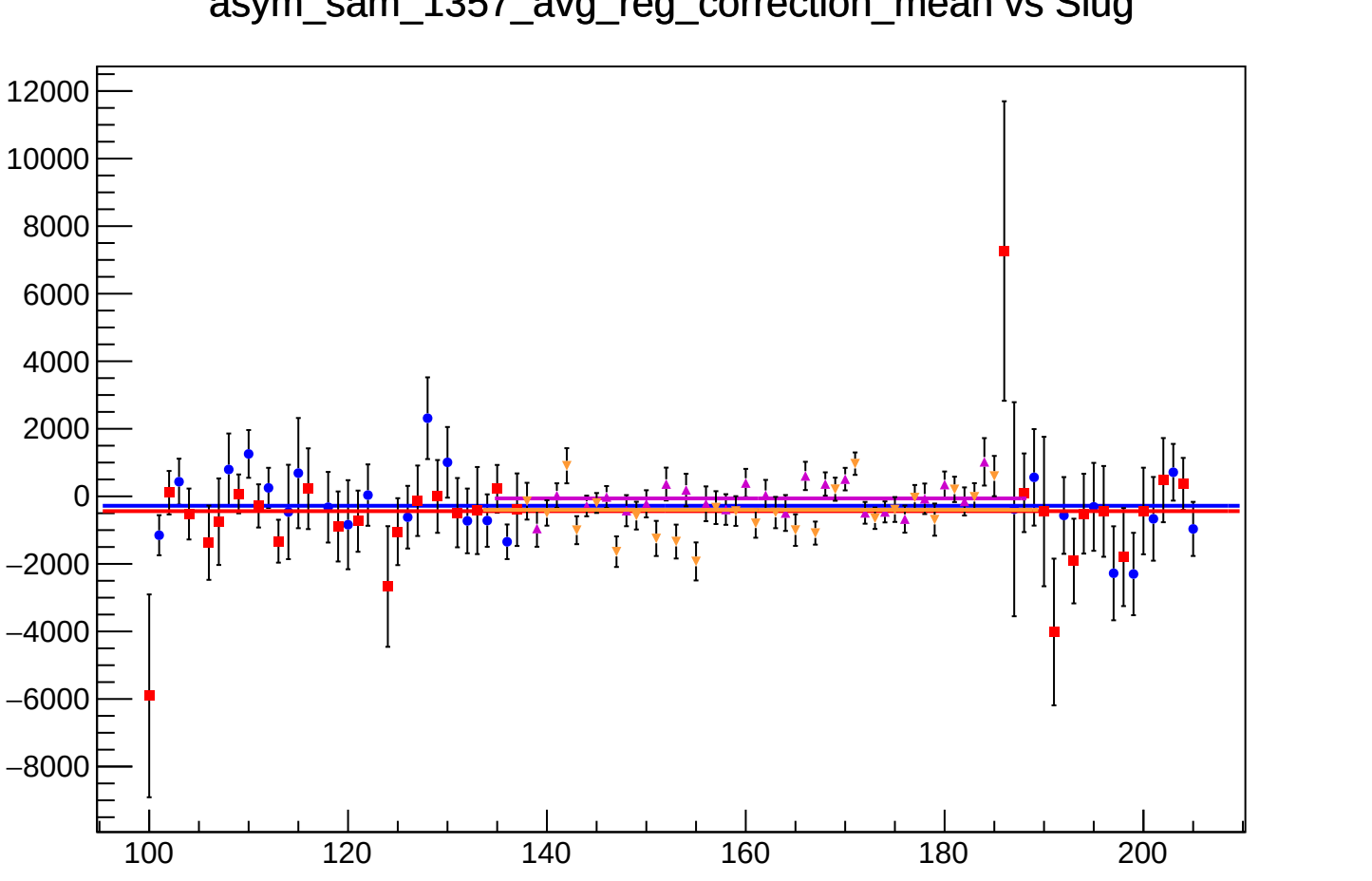
Right Out: 62.557+/-0.013 χ^2/NDF: 6235262.2/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.474+/-0.007 χ^2/NDF: 5781375.7/49

All: 53.810+/-0.005 χ^2/NDF: 13142509.1/102

- sign 54.160+/-0.007 χ^2/NDF: 7356284.8/52



Right In: -279.289+/-181.426 χ^2/NDF: 29.0/24

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

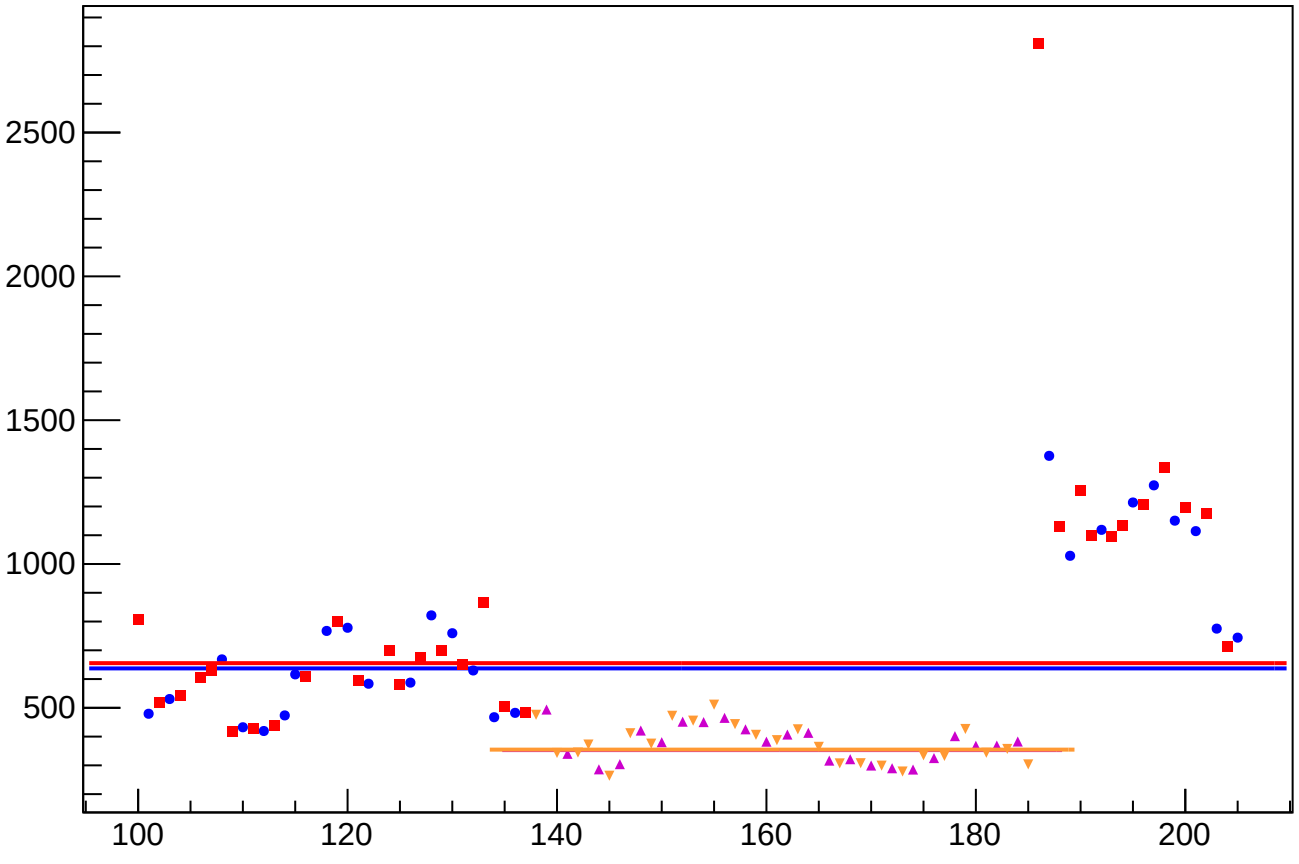
Right Out: -438.398+/-180.856 χ^2/NDF: 21.2/29

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -378.969+/-74.770 χ^2/NDF: 94.8/49

All: -256.036+/-53.336 χ^2/NDF: 148.9/102

- sign -128.680+/-76.103 χ^2/NDF: 48.7/52



Right In: 637.040+/-0.128 χ^2/NDF: 3243999.1/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 655.322+/-0.128 χ^2/NDF: 4352452.3/29

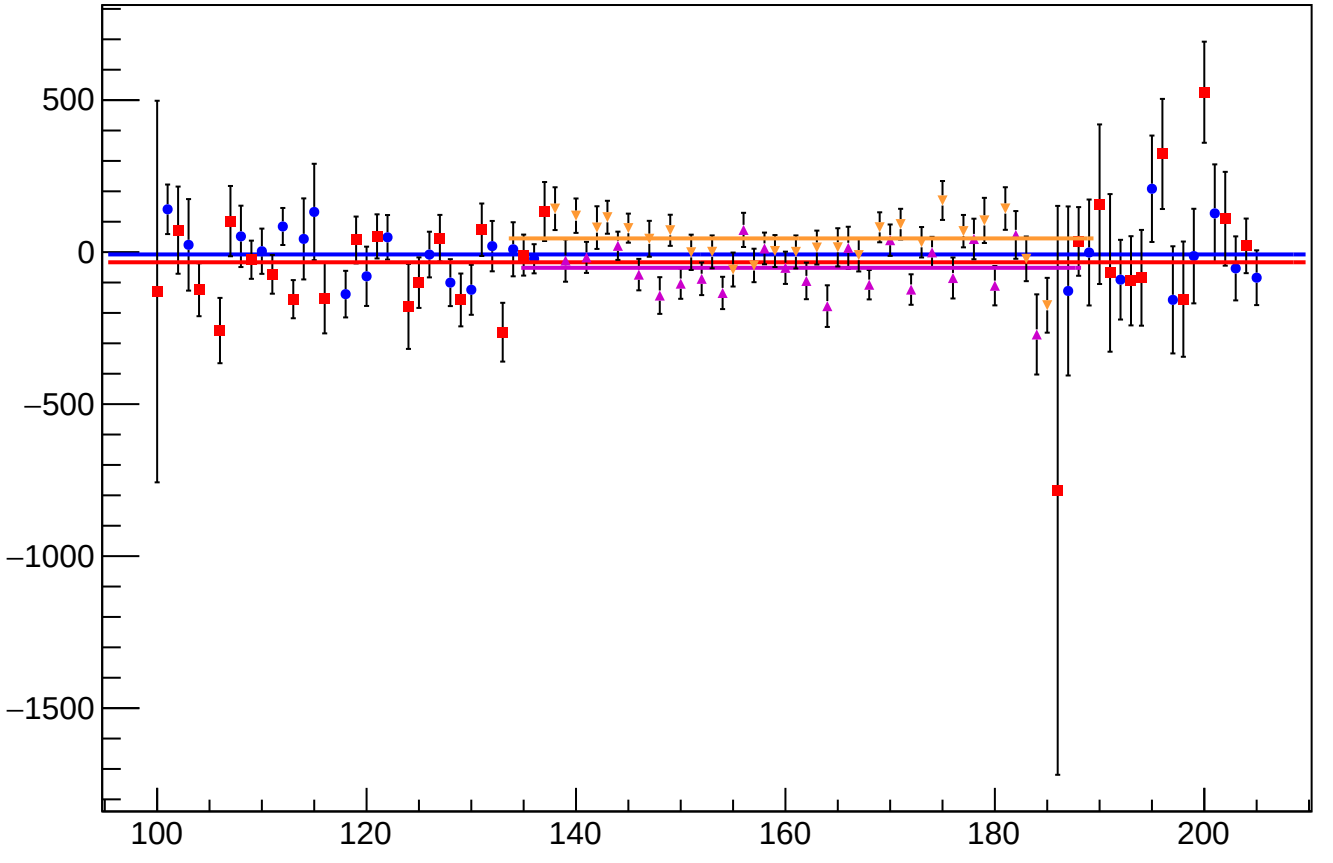
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 402.630+/-0.053 χ^2/NDF: 8411325.8/49

All: 404.591+/-0.038 χ^2/NDF: 18366383.8/10

- sign 406.622+/-0.054 χ^2/NDF: 9952257.6/52

cor_asym_sam_1357_avg_mean vs Slug



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -33.404+/-18.097 χ^2/NDF: 48.6/29

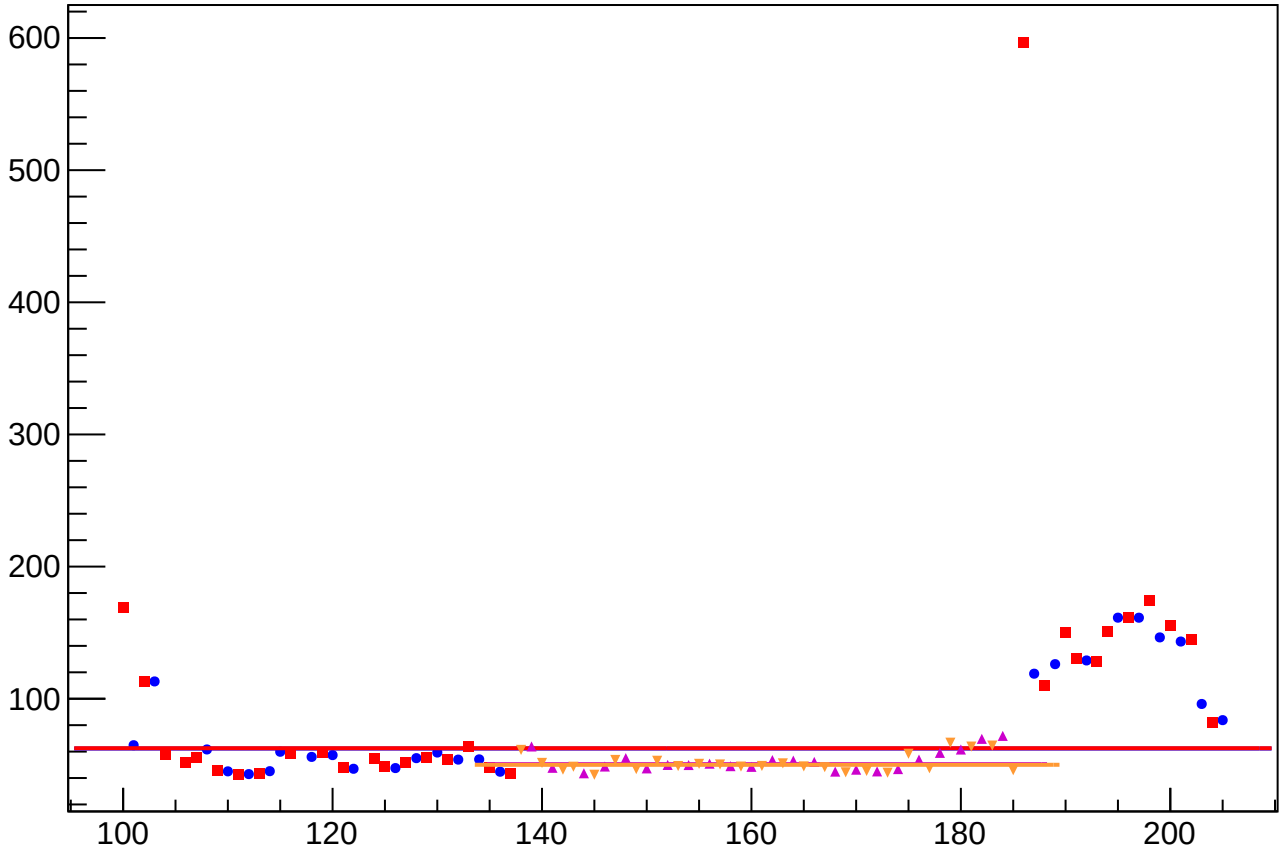
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 30.262+/-9.744 χ^2/NDF: 56.4/49

All: -7.084+/-6.965 χ^2/NDF: 171.6/102

- sign -46.099+/-9.960 χ^2/NDF: 85.2/52

cor_asym_sam_1357_avg_rms vs Slug



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

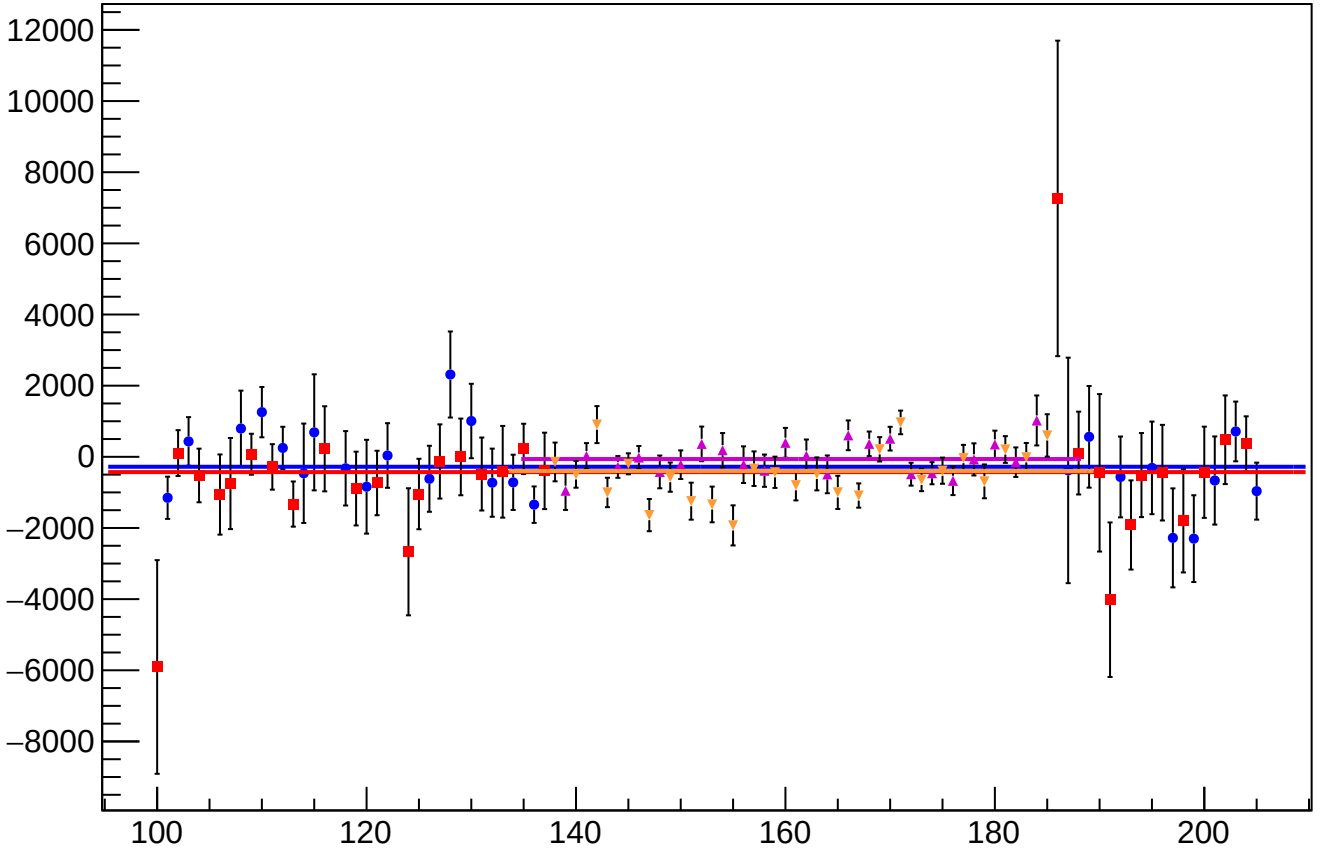
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.474+/-0.007 χ^2/NDF: 5781378.0/49

All: 53.809+/-0.005 χ^2/NDF: 13142972.2/102

- sign 54.158+/-0.007 χ^2/NDF: 7356782.7/52

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -429.441+/-180.991 χ^2/NDF: 20.7/29

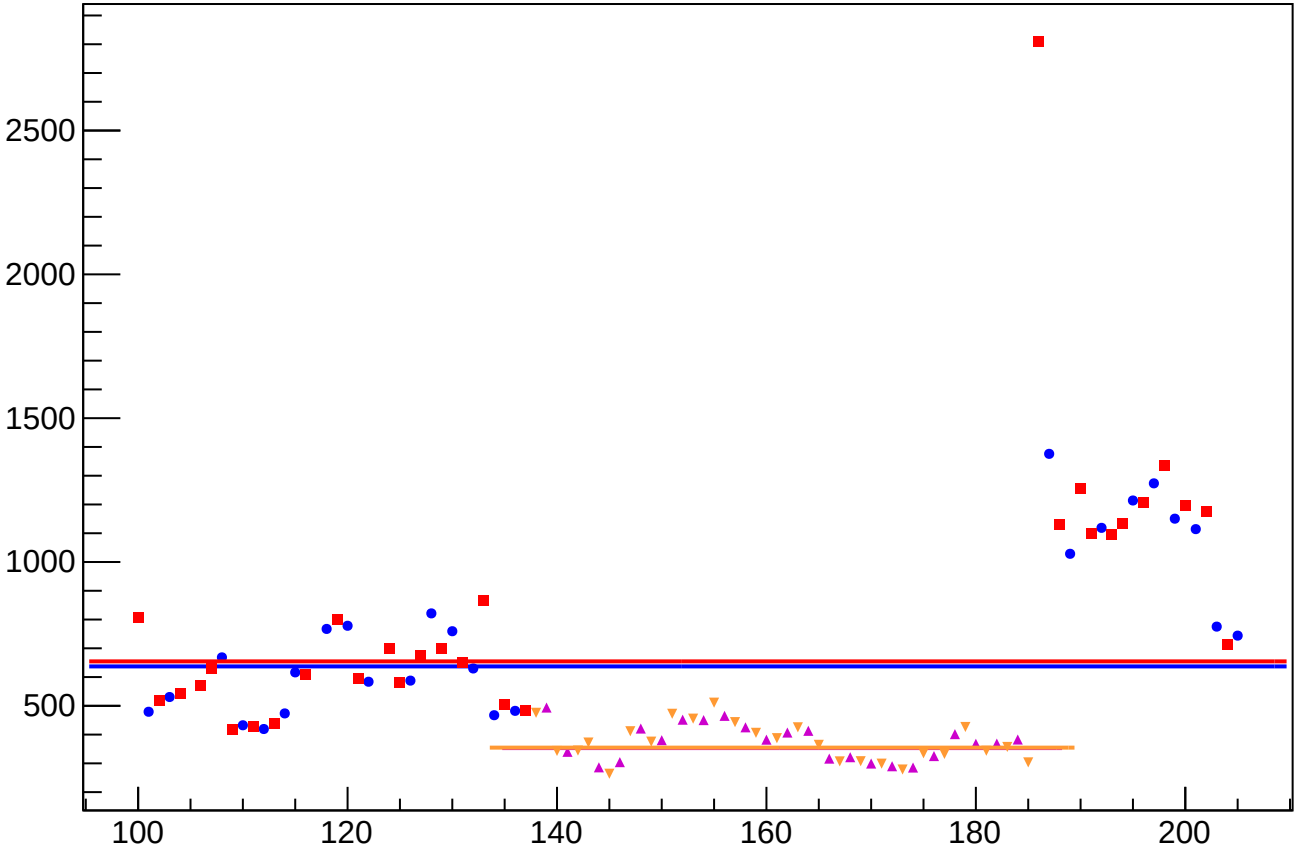
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -378.962+/-74.770 χ^2/NDF: 94.8/49

All: -255.230+/-53.339 χ^2/NDF: 148.4/102

- sign -127.013+/-76.113 χ^2/NDF: 48.1/52

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

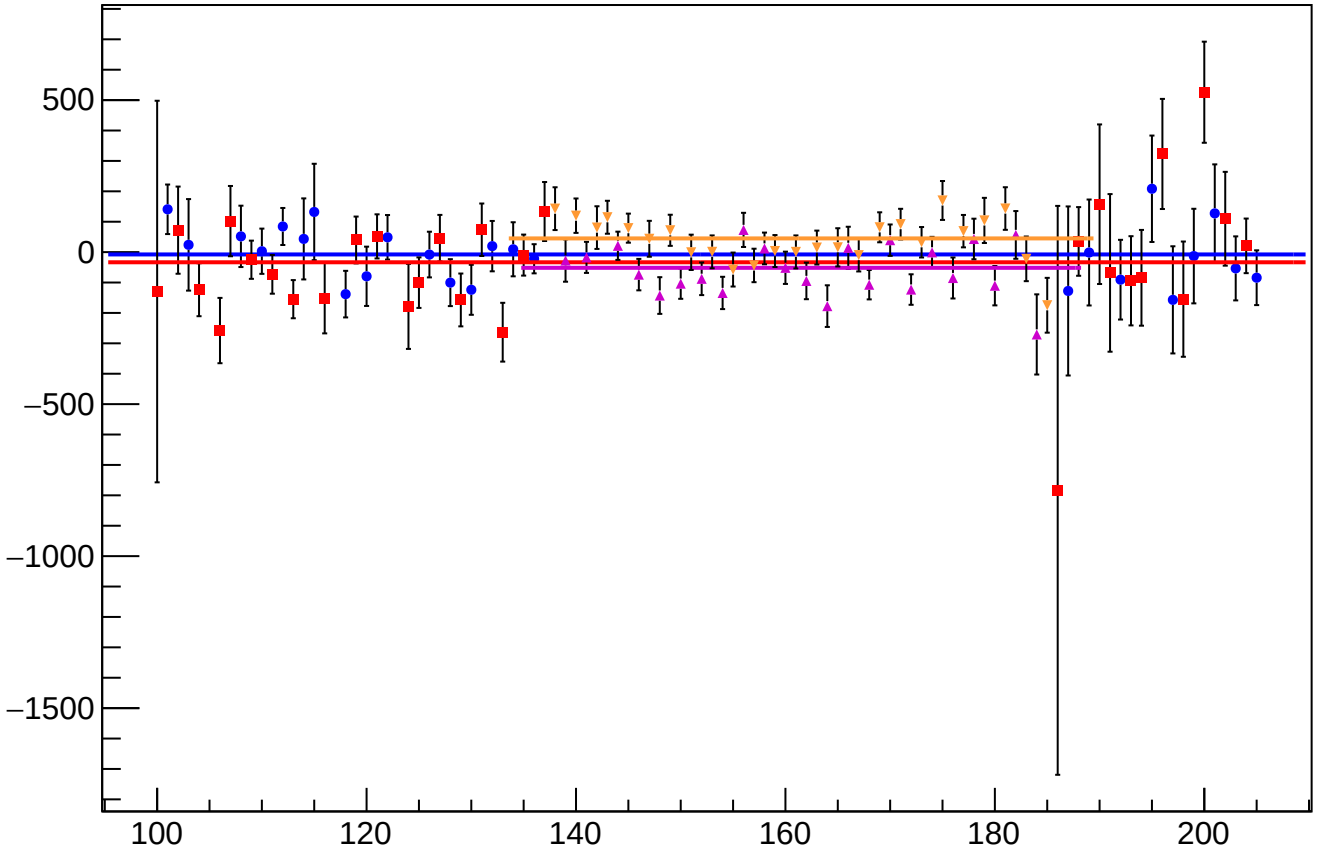
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 402.630+/-0.053 χ^2/NDF: 8411382.2/49

All: 404.490+/-0.038 χ^2/NDF: 18343005.9/10

- sign 406.417+/-0.054 χ^2/NDF: 9929104.4/52

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -33.404+/-18.097 χ^2/NDF: 48.6/29

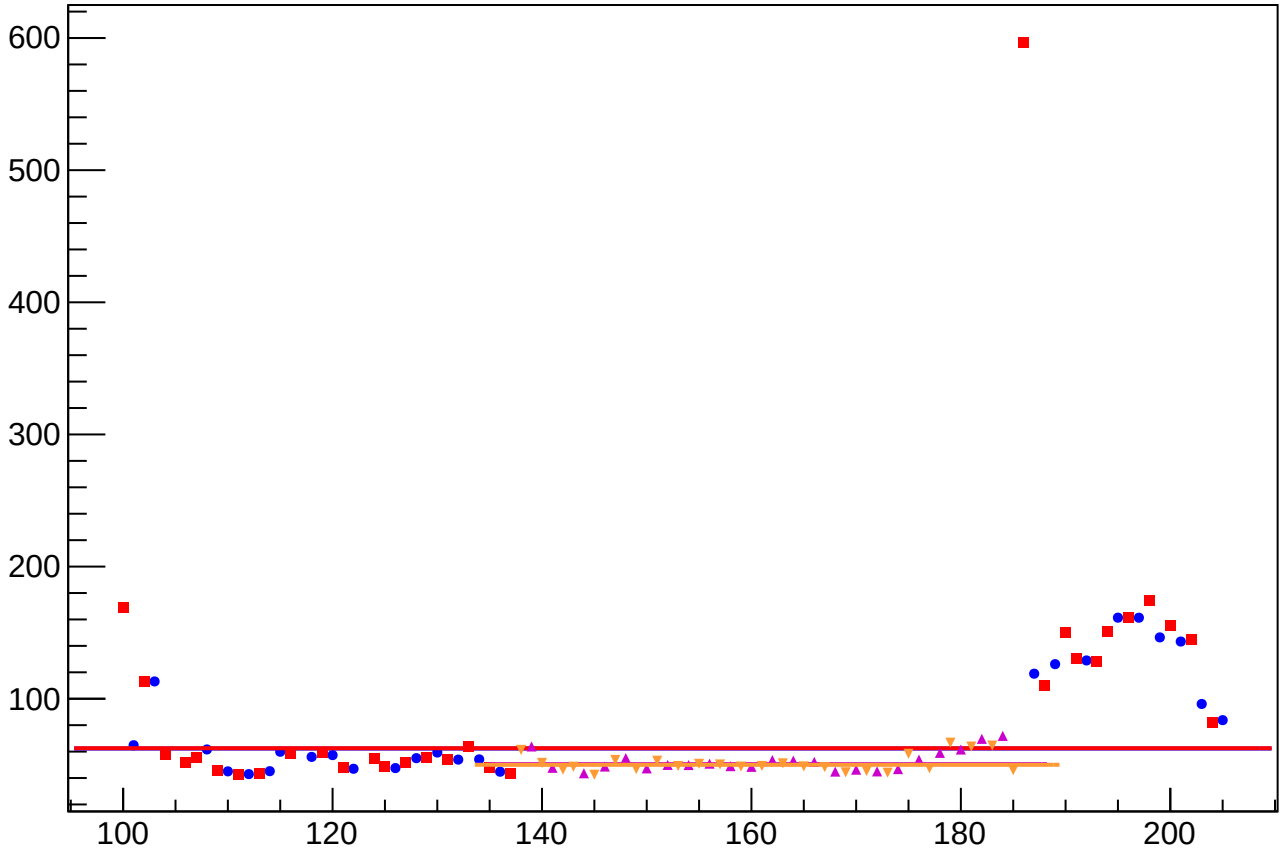
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 30.262+/-9.744 χ^2/NDF: 56.4/49

All: -7.084+/-6.965 χ^2/NDF: 171.6/102

- sign -46.099+/-9.960 χ^2/NDF: 85.2/52

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

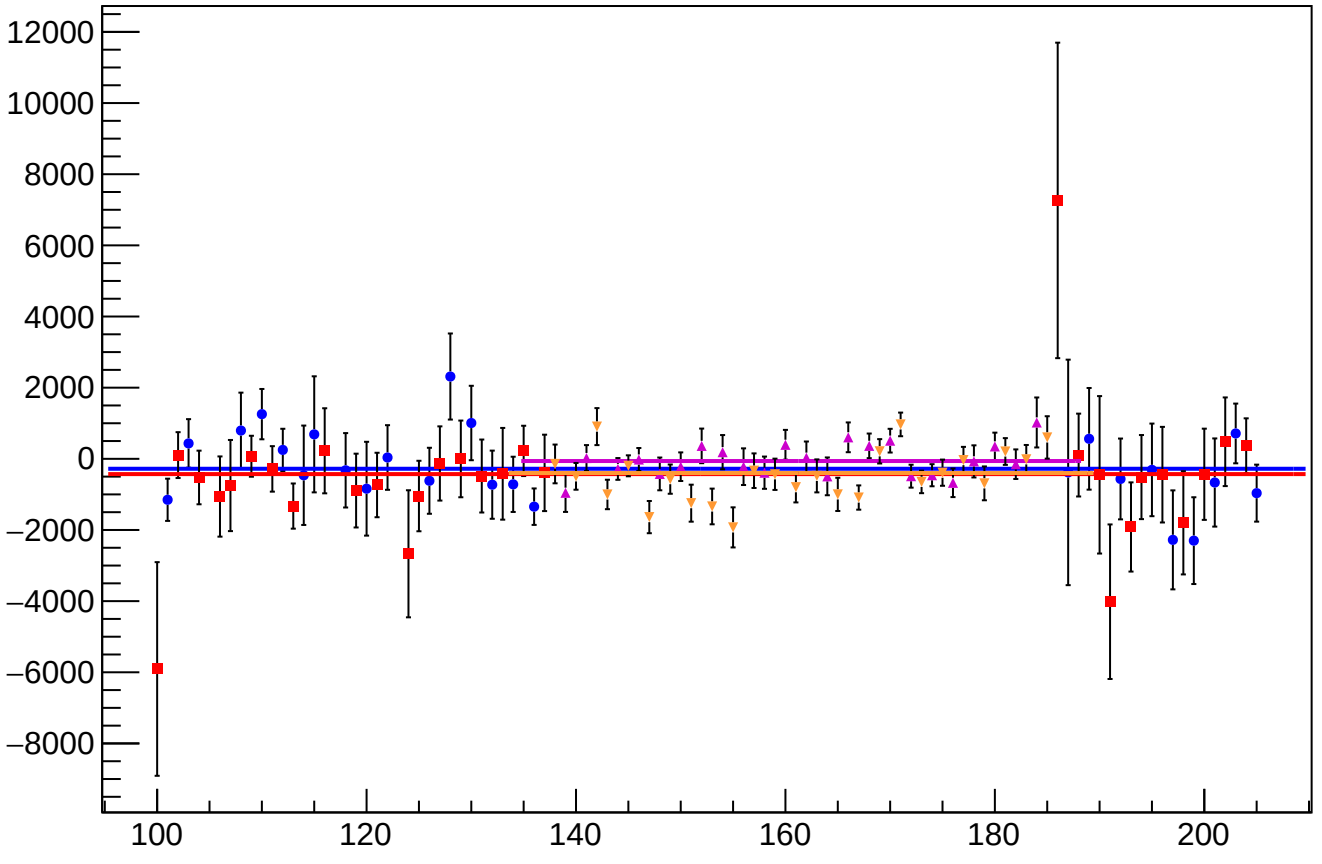
Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.474+/-0.007 χ^2/NDF: 5781378.0/49

All: 53.809+/-0.005 χ^2/NDF: 13142972.2/102

- sign 54.158+/-0.007 χ^2/NDF: 7356782.7/52



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

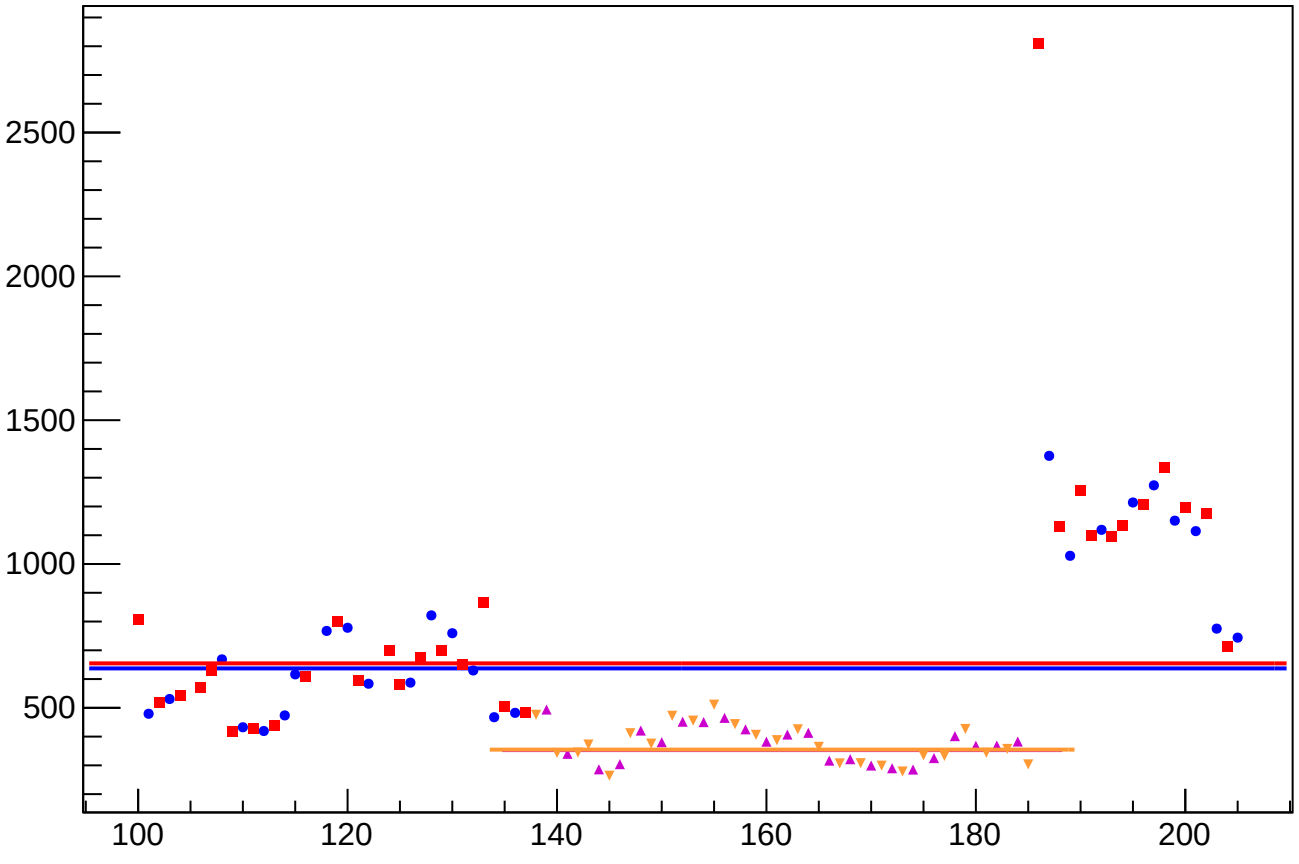
Right Out: -429.441+/-180.991 χ^2/NDF: 20.7/29

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -378.962+/-74.770 χ^2/NDF: 94.8/49

All: -255.230+/-53.339 χ^2/NDF: 148.4/102

- sign -127.013+/-76.113 χ^2/NDF: 48.1/52



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

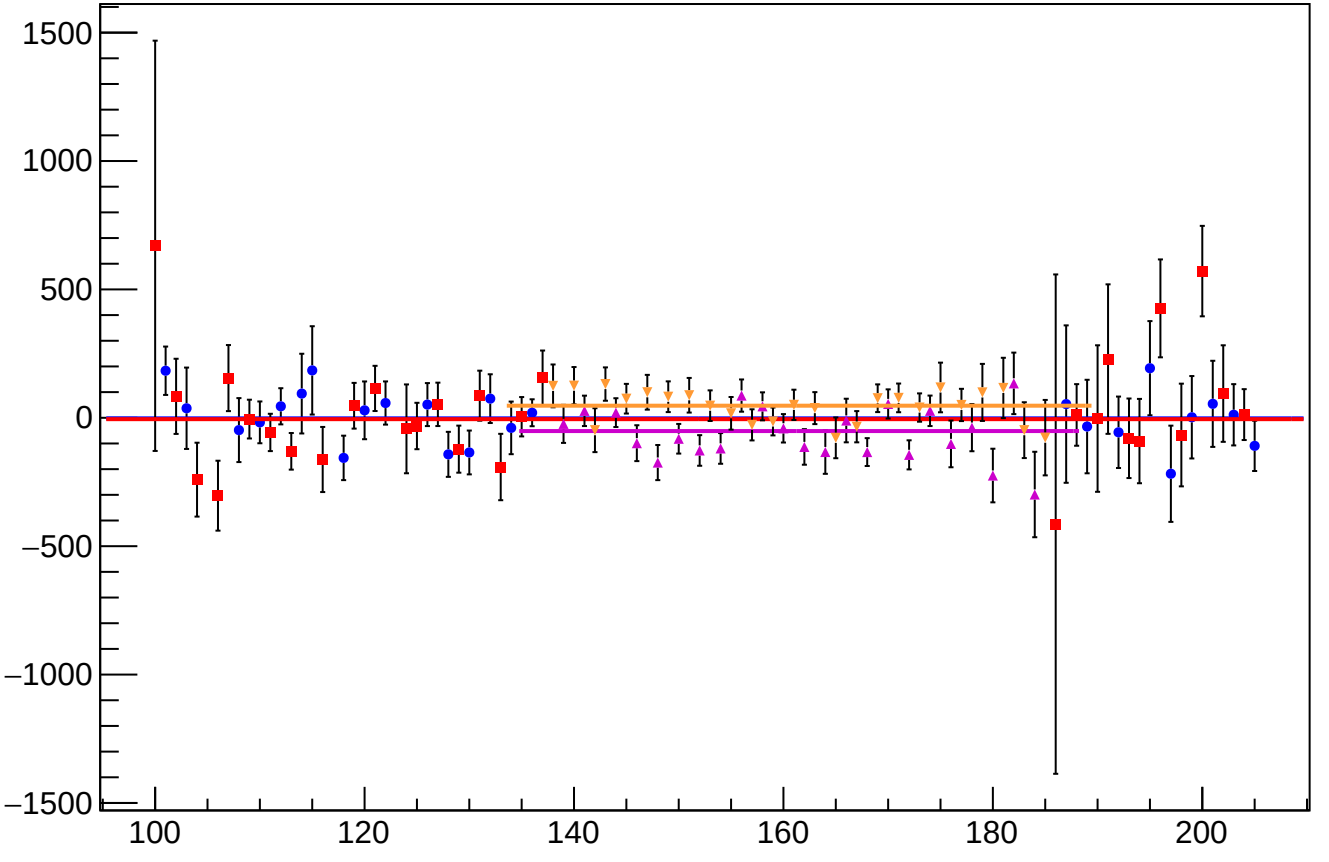
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 402.630+/-0.053 χ^2/NDF: 8411382.2/49

All: 404.490+/-0.038 χ^2/NDF: 18343005.9/10

- sign 406.417+/-0.054 χ^2/NDF: 9929104.4/52

dit_asym_sam_1357_avg_mean vs Slug



Right In: -2.219+/-20.504 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.297+/-20.773 χ^2/NDF: 42.5/29

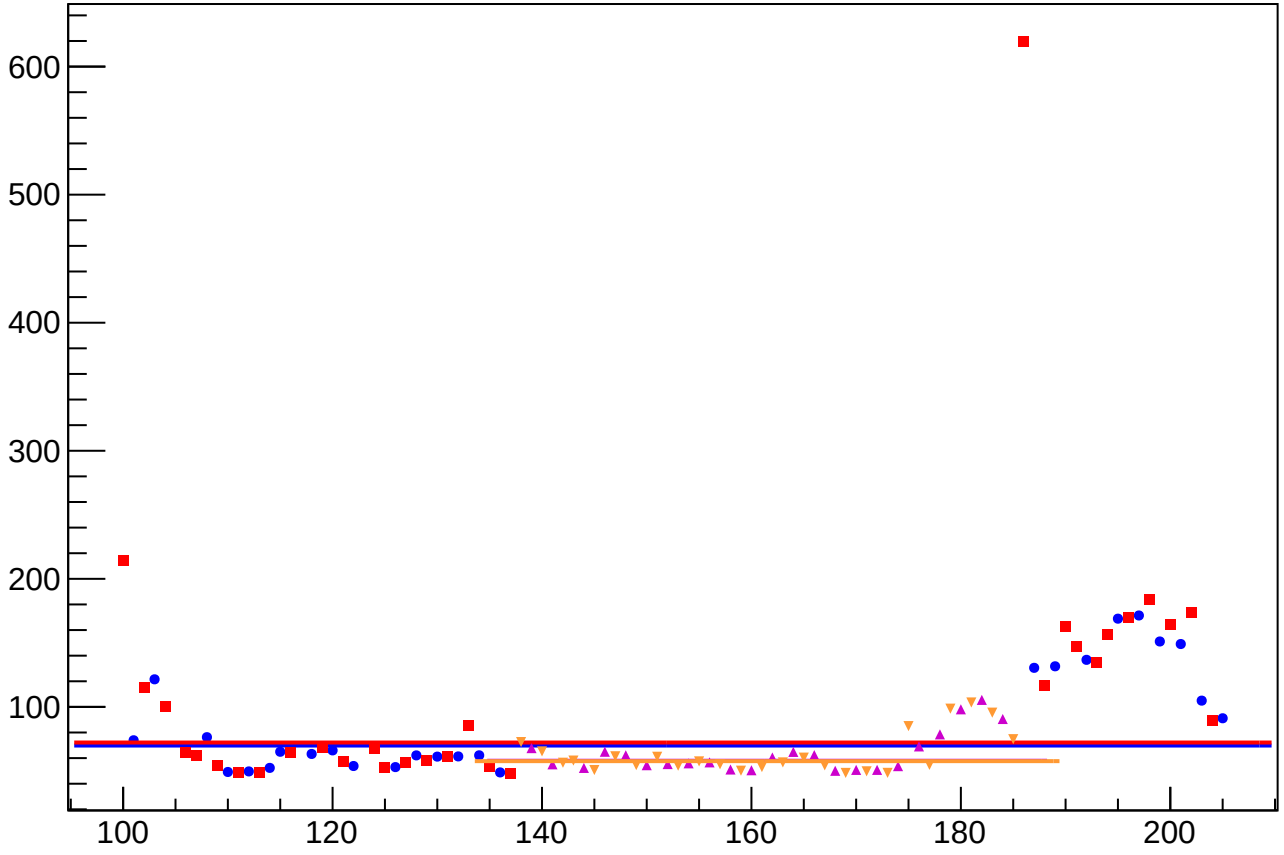
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 32.204+/-11.282 χ^2/NDF: 41.3/49

All: -1.652+/-8.078 χ^2/NDF: 143.9/102

- sign -37.268+/-11.572 χ^2/NDF: 84.1/52

dit_asym_sam_1357_avg_rms vs Slug



Right In: 69.820+/-0.014 χ^2/NDF: 4263920.8/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 72.175+/-0.015 χ^2/NDF: 5845895.2/29

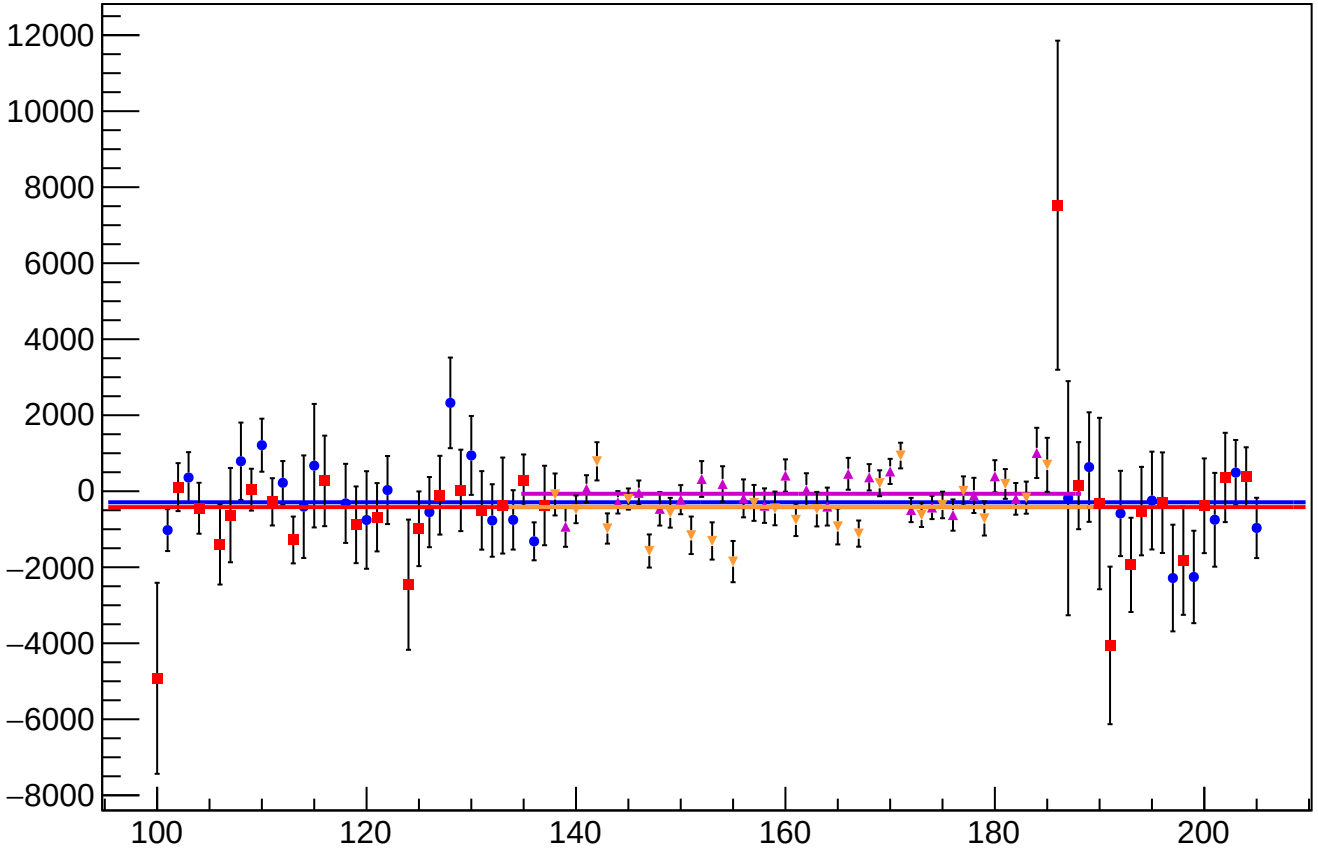
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 61.321+/-0.008 χ^2/NDF: 6122156.3/49

All: 61.826+/-0.006 χ^2/NDF: 13748491.9/102

- sign 62.357+/-0.008 χ^2/NDF: 7618119.4/52

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -290.554+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -417.990+/-175.480 χ^2/NDF: 22.0/29

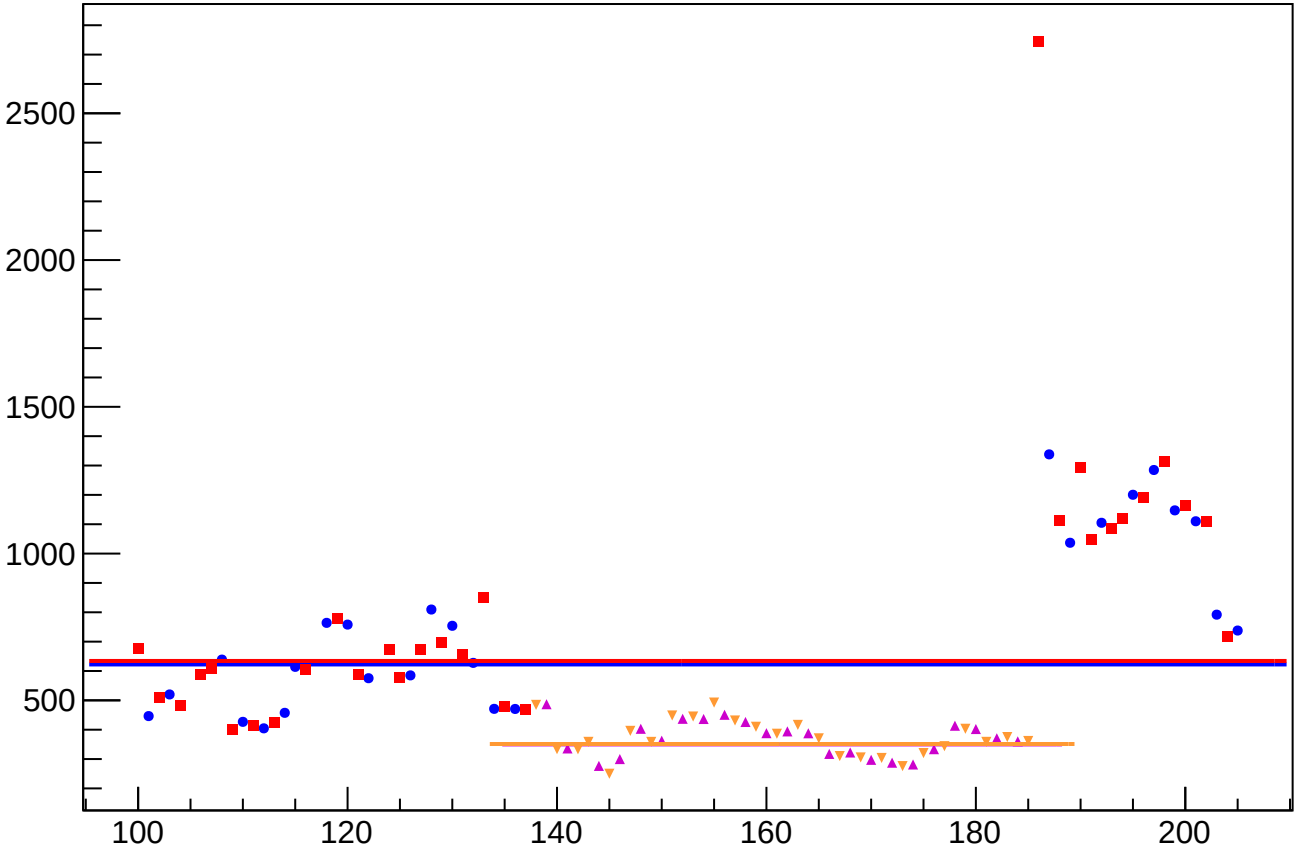
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -391.946+/-73.814 χ^2/NDF: 89.5/49

All: -263.697+/-52.640 χ^2/NDF: 143.8/102

- sign -130.974+/-75.091 χ^2/NDF: 48.1/52

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 622.263+/-0.126 χ^2/NDF: 3434477.1/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 634.178+/-0.124 χ^2/NDF: 4515761.0/29

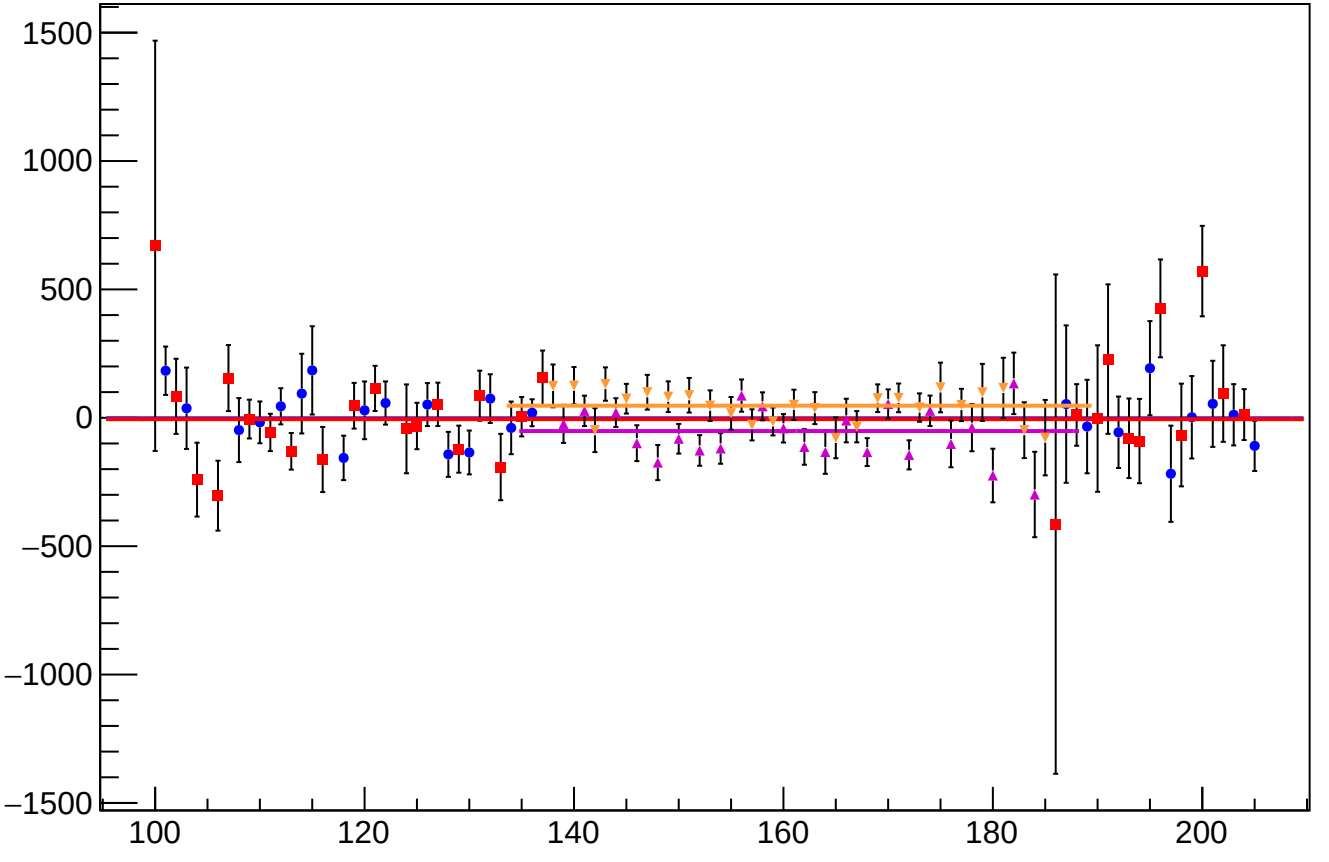
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 397.958+/-0.052 χ^2/NDF: 8397279.7/49

All: 399.887+/-0.037 χ^2/NDF: 18196491.8/10

- sign 401.884+/-0.053 χ^2/NDF: 9796431.8/52

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -2.219+/-20.505 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.296+/-20.773 χ^2/NDF: 42.5/29

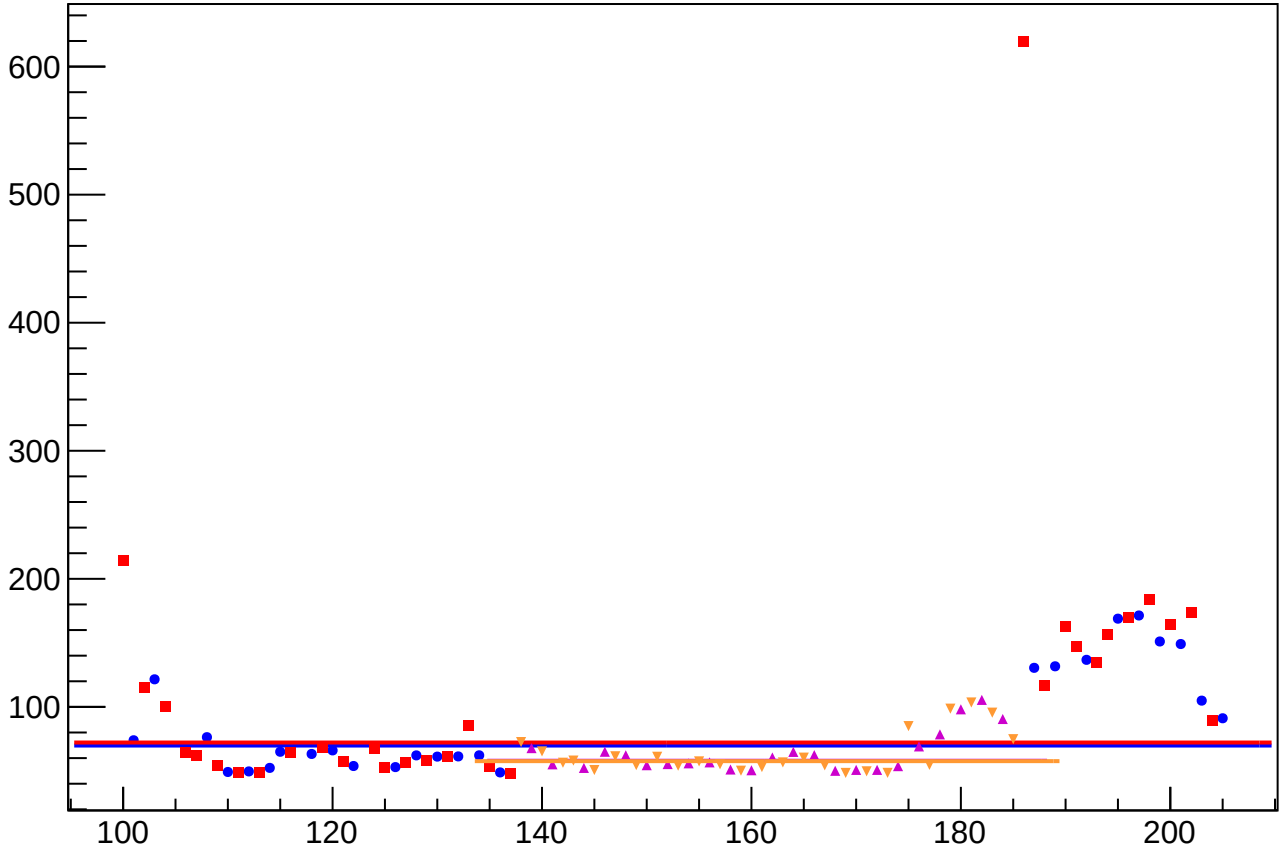
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 32.204+/-11.282 χ^2/NDF: 41.3/49

All: -1.652+/-8.078 χ^2/NDF: 143.9/102

- sign -37.268+/-11.572 χ^2/NDF: 84.1/52

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 69.820+/-0.014 χ^2/NDF: 4263903.3/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

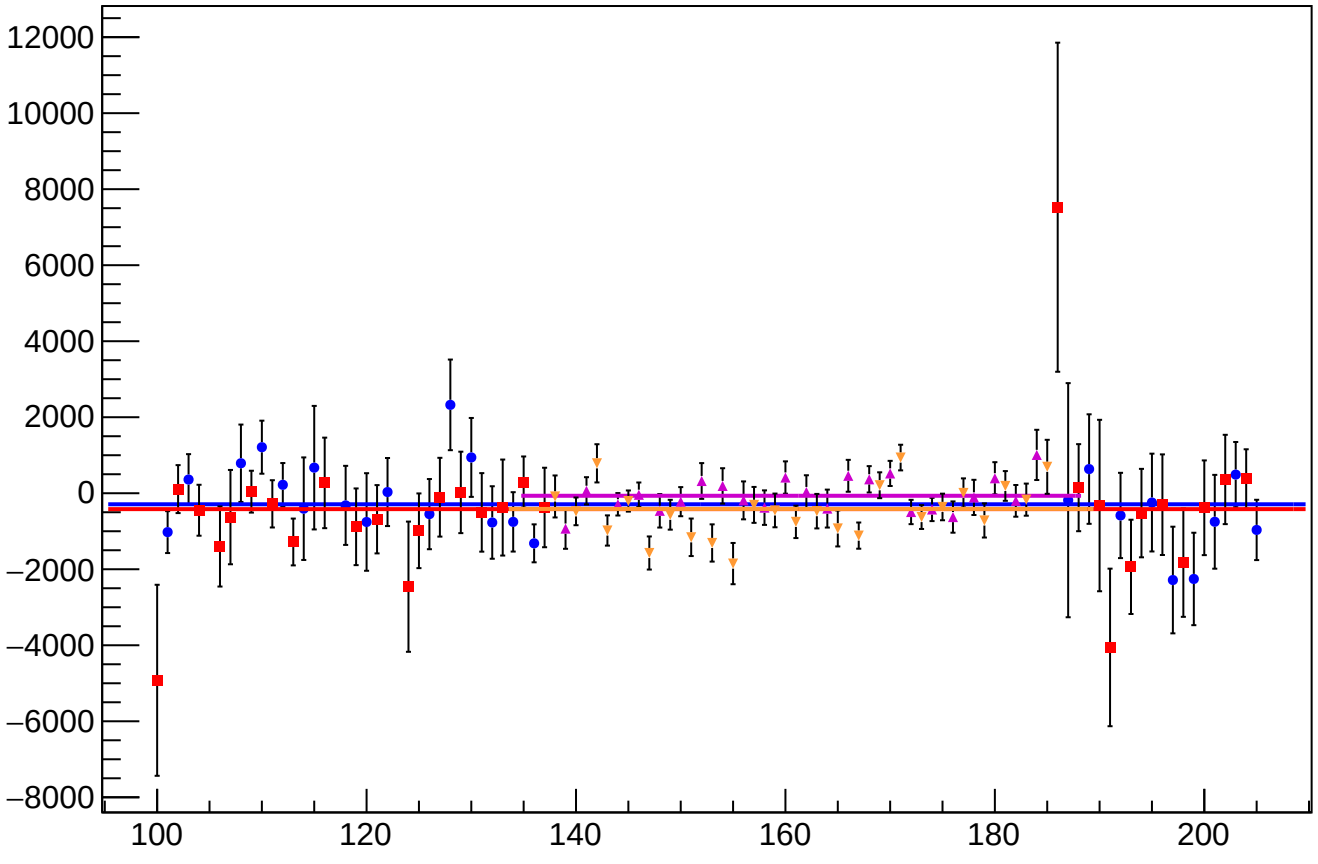
Right Out: 72.175+/-0.015 χ^2/NDF: 5845886.0/29

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 61.321+/-0.008 χ^2/NDF: 6122133.6/49

All: 61.826+/-0.006 χ^2/NDF: 13748447.0/102

- sign 62.357+/-0.008 χ^2/NDF: 7618096.7/52



Right In: -290.553+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -417.990+/-175.480 χ^2/NDF: 22.0/29

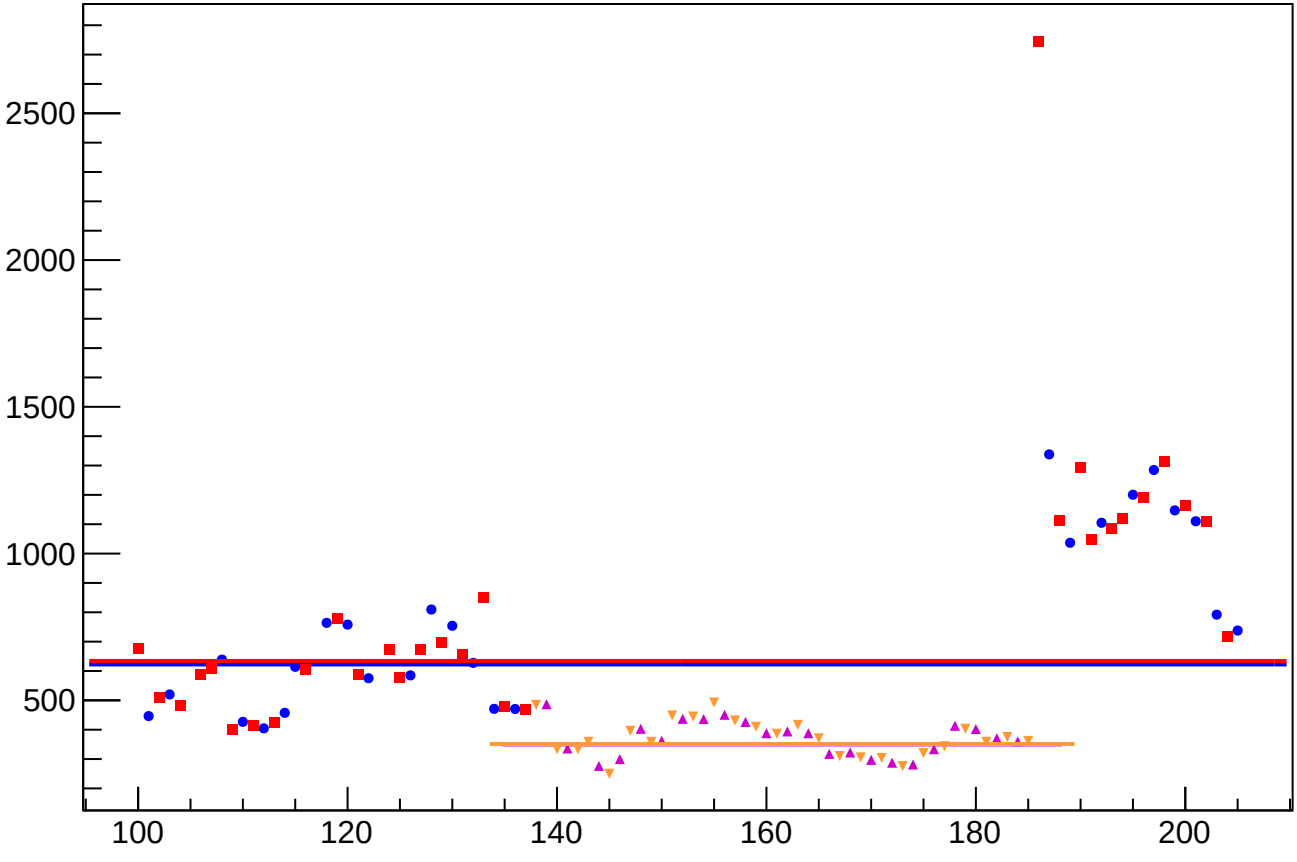
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -391.946+/-73.814 χ^2/NDF: 89.5/49

All: -263.697+/-52.640 χ^2/NDF: 143.8/102

- sign -130.974+/-75.091 χ^2/NDF: 48.1/52

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug



Right In: 622.262+/-0.126 χ^2/NDF: 3434485.5/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 634.177+/-0.124 χ^2/NDF: 4515766.2/29

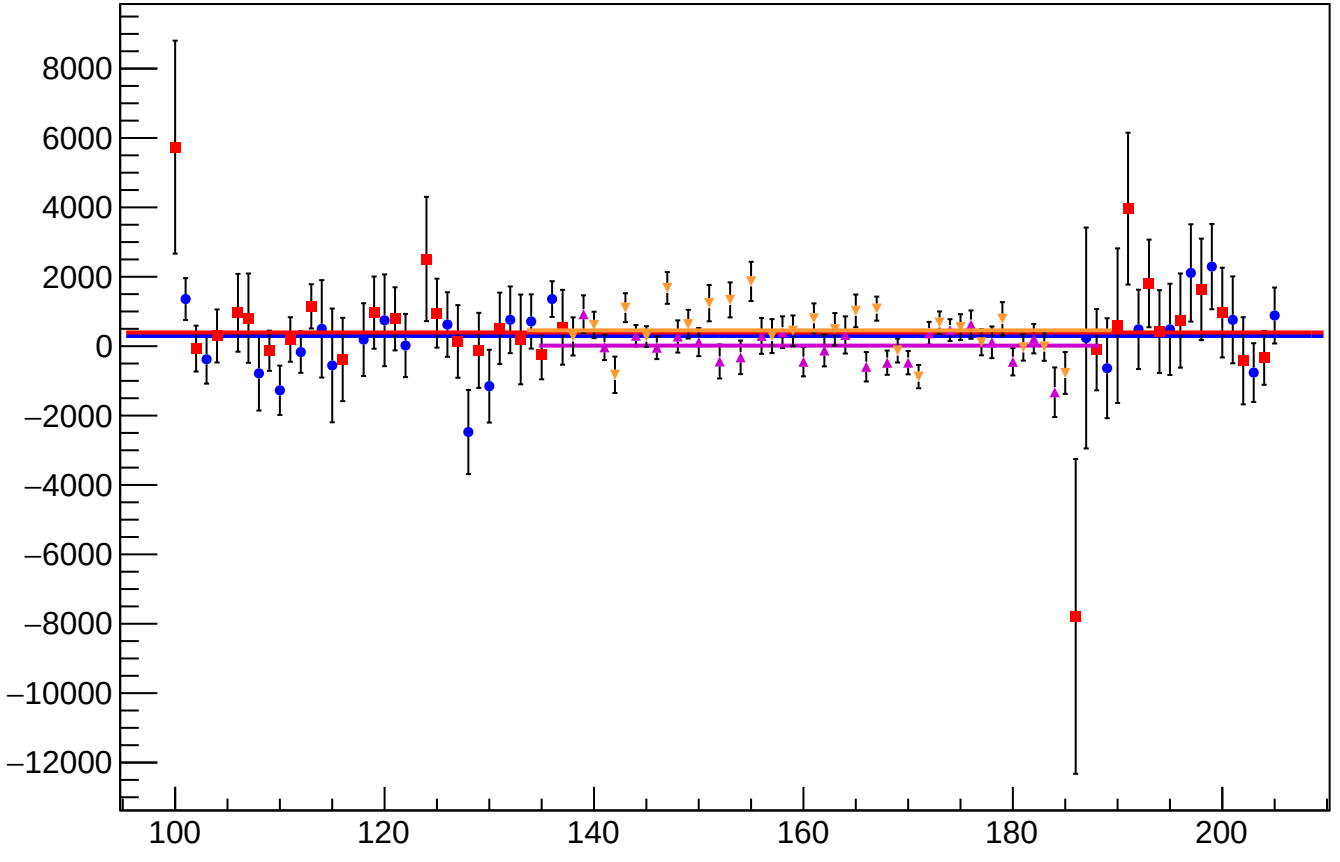
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 397.957+/-0.052 χ^2/NDF: 8397271.5/49

All: 399.887+/-0.037 χ^2/NDF: 18196465.4/10

- sign 401.883+/-0.053 χ^2/NDF: 9796413.4/52

asym_sam_1357_avg_mean vs Slug



Right In: 294.285+/-182.897 χ^2/NDF: 30.0/24

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 394.806+/-182.322 χ^2/NDF: 19.6/29

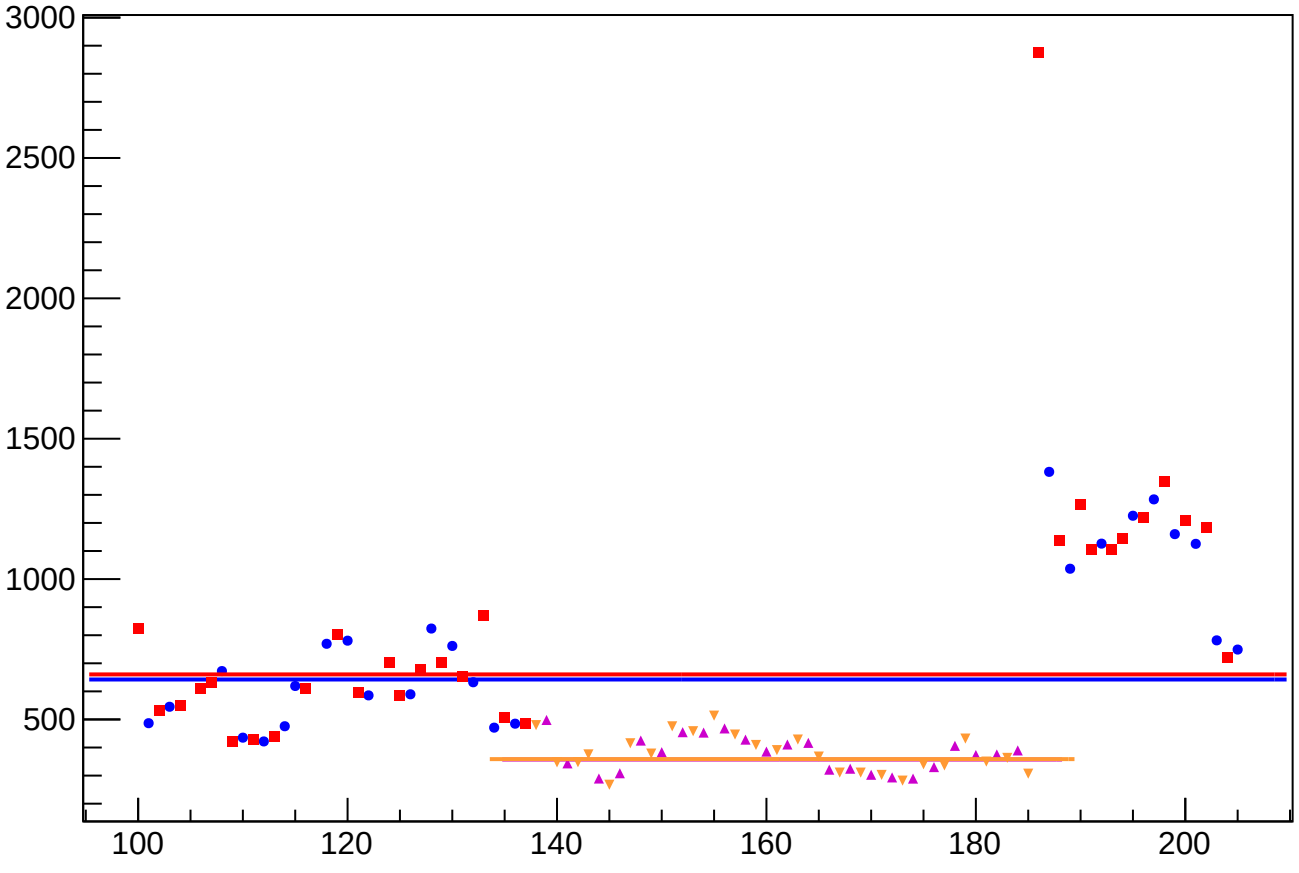
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 427.770+/-75.552 χ^2/NDF: 91.5/49

All: 258.695+/-53.898 χ^2/NDF: 149.8/102

- sign 83.472+/-76.913 χ^2/NDF: 48.0/52

asym_sam_1357_avg_rms vs Slug



Right In: 642.308+/-0.129 χ^2/NDF: 3234163.3/24

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

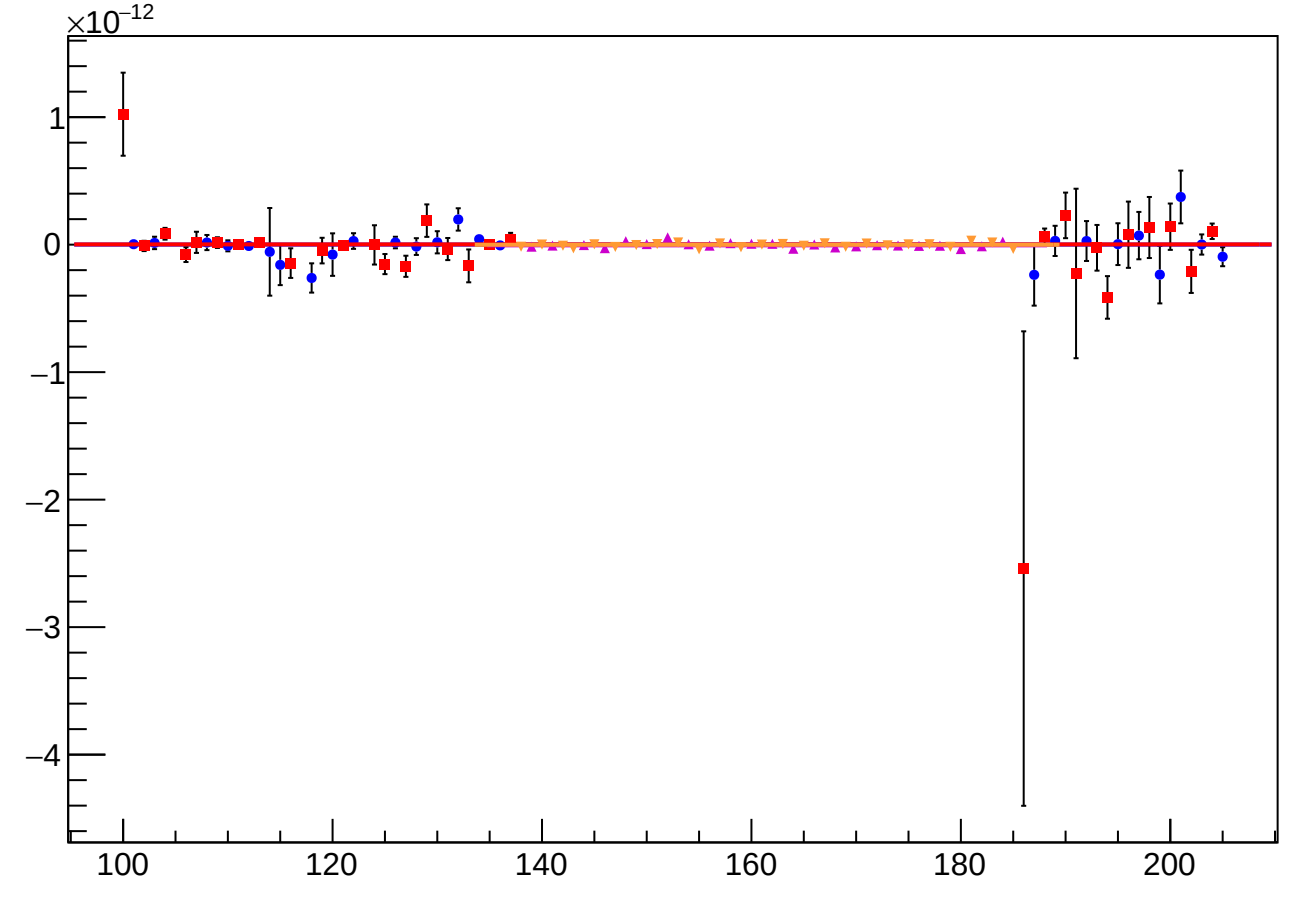
Right Out: 660.431+/-0.129 χ^2/NDF: 4351878.5/29

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 407.075+/-0.053 χ^2/NDF: 8342758.9/49

All: 409.075+/-0.038 χ^2/NDF: 18227387.3/10

- sign 411.148+/-0.054 χ^2/NDF: 9881773.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

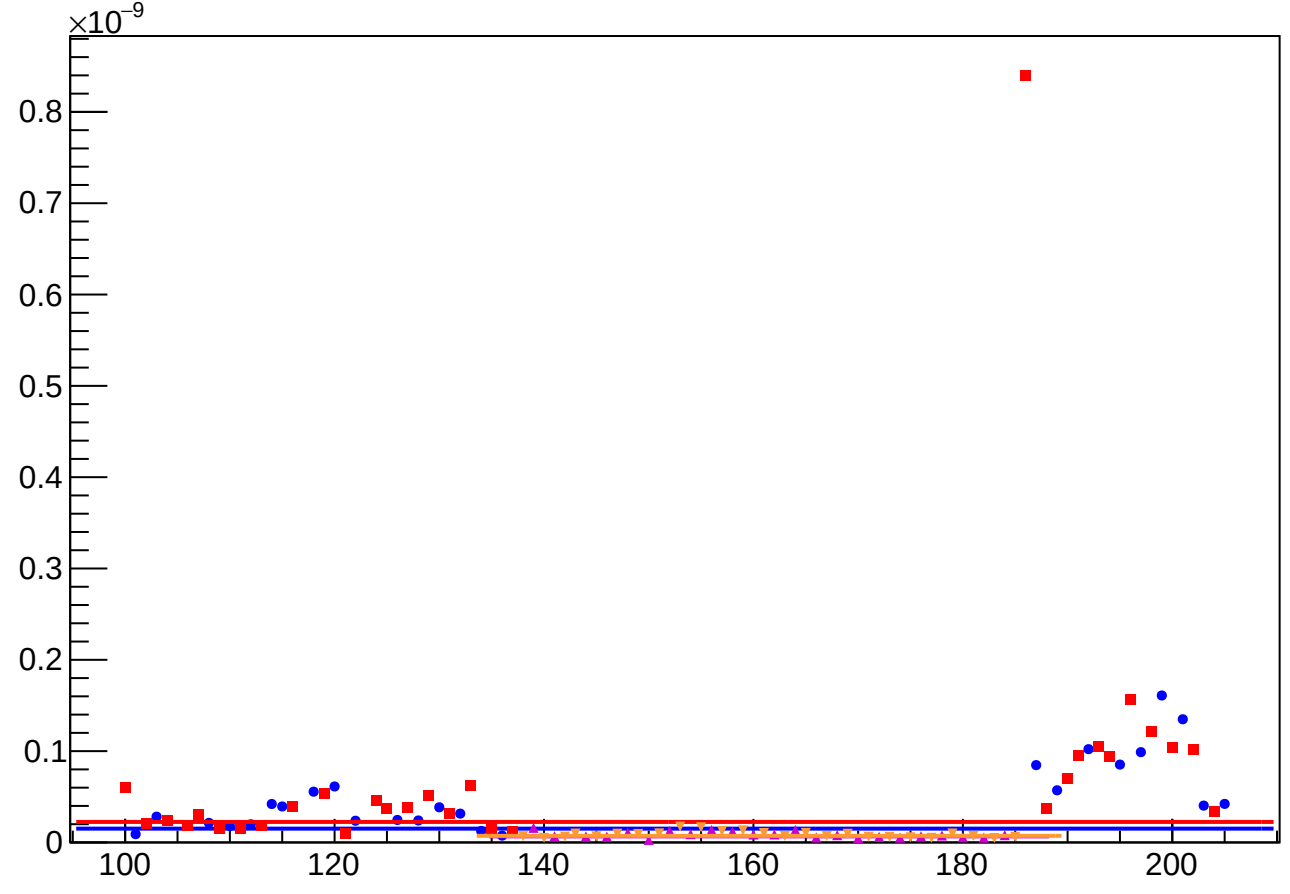
Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/29

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/49

All: -0.000+/-0.000 χ^2/NDF: 115.4/102

- sign -0.000+/-0.000 χ^2/NDF: 75.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 5665659.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4736869.6/29

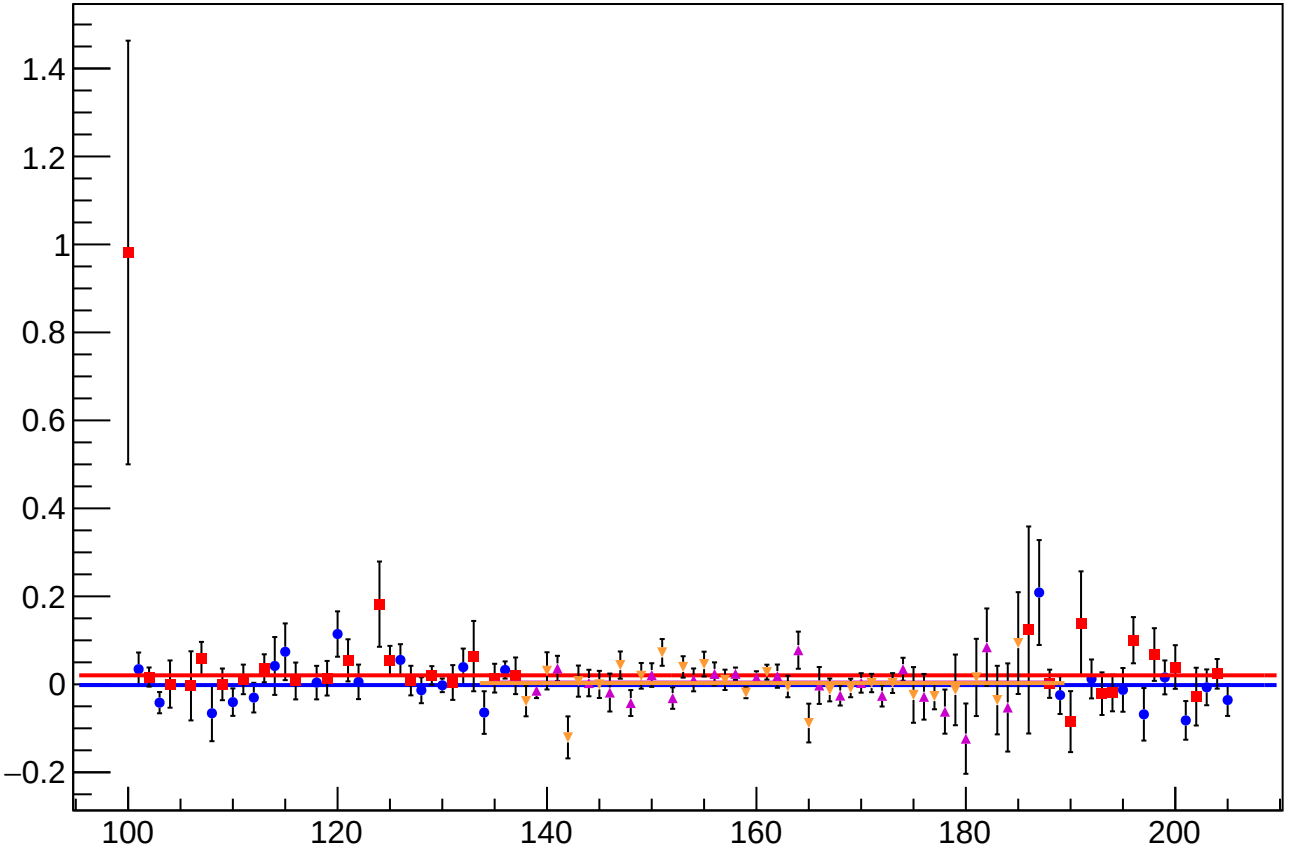
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8536255.9/49

All: 0.000+/-0.000 χ^2/NDF: 18585051.6/102

- sign 0.000+/-0.000 χ^2/NDF: 10022325.1/52

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

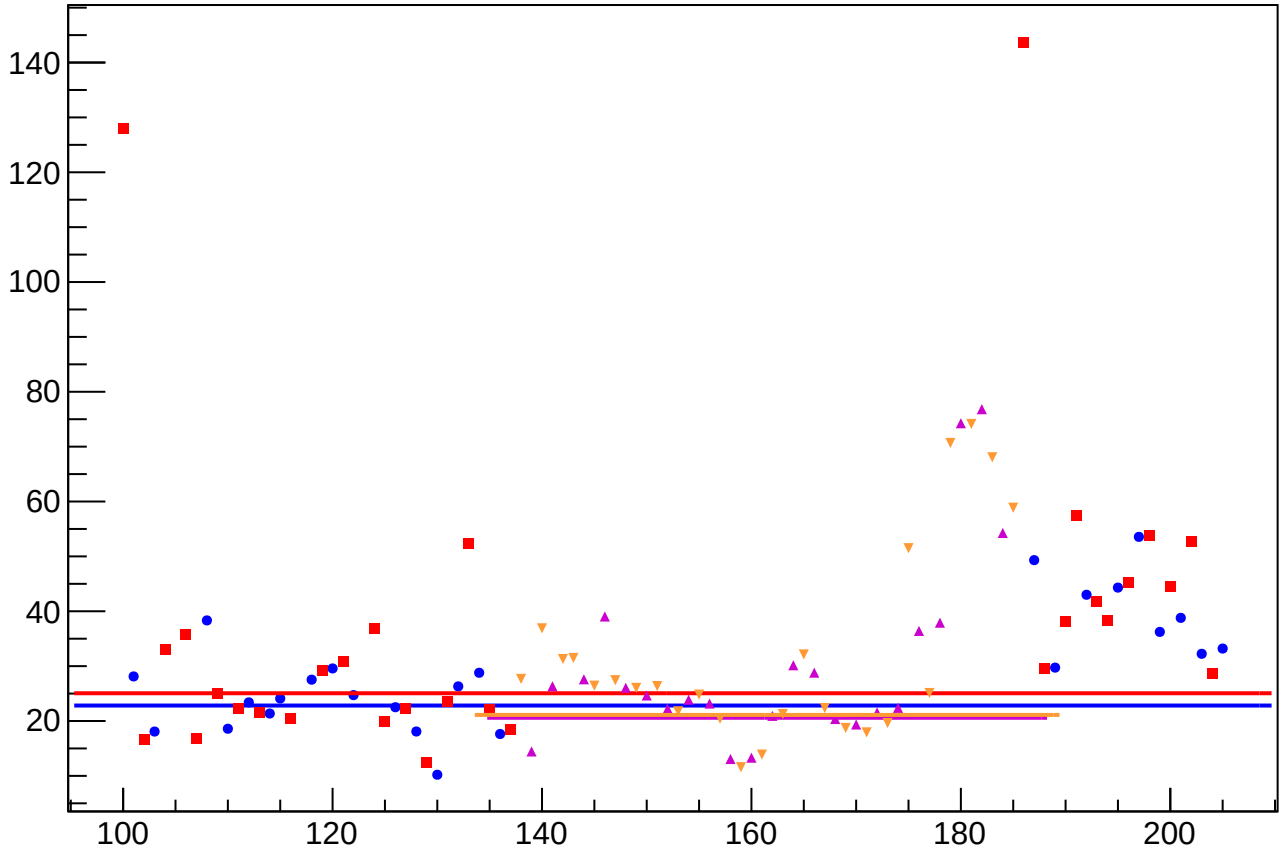
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.5/49

All: 0.005+/-0.003 χ^2/NDF: 114.4/102

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

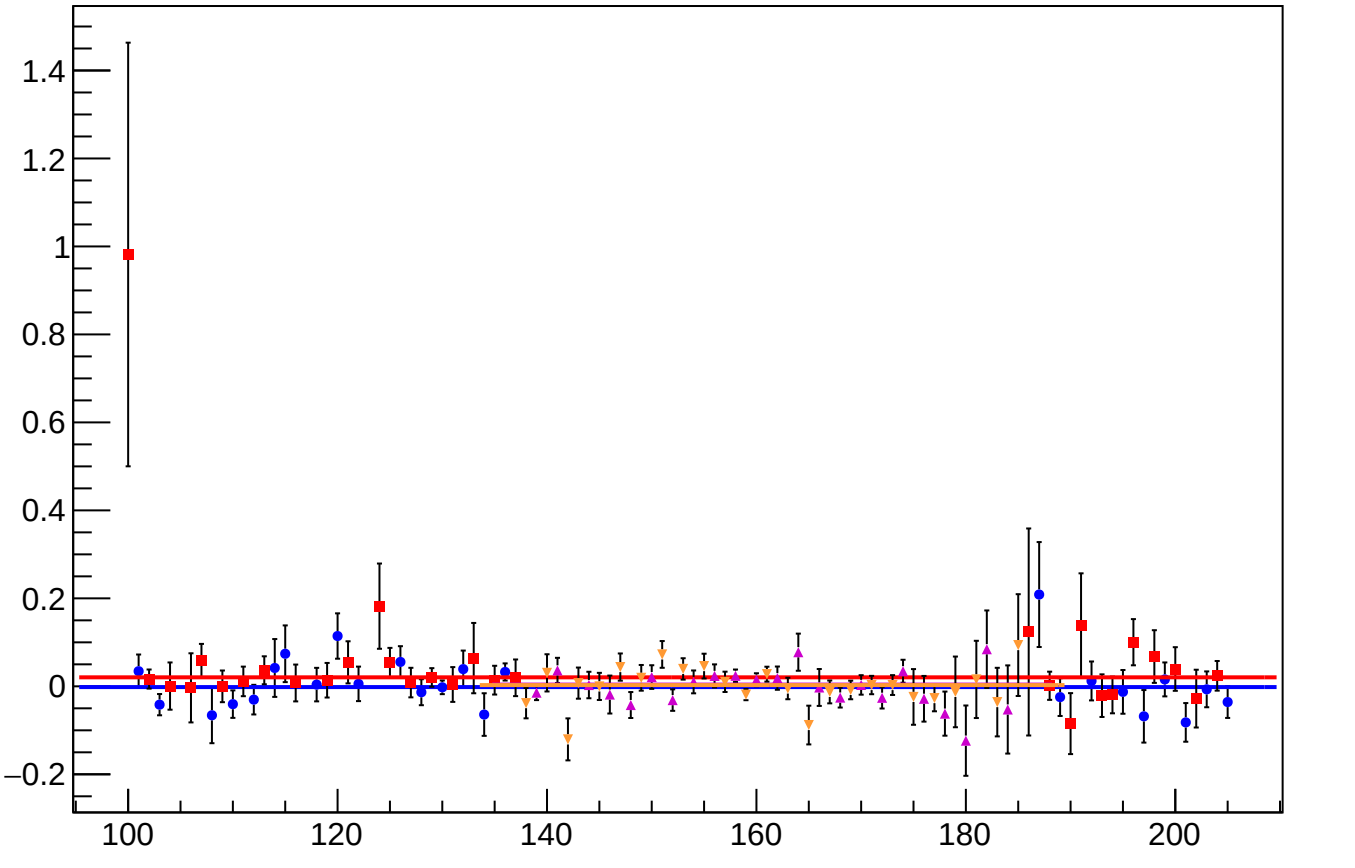
Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762963.6/49

All: 21.960+/-0.002 χ^2/NDF: 19297509.0/102

- sign 22.167+/-0.003 χ^2/NDF: 9525807.7/52



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

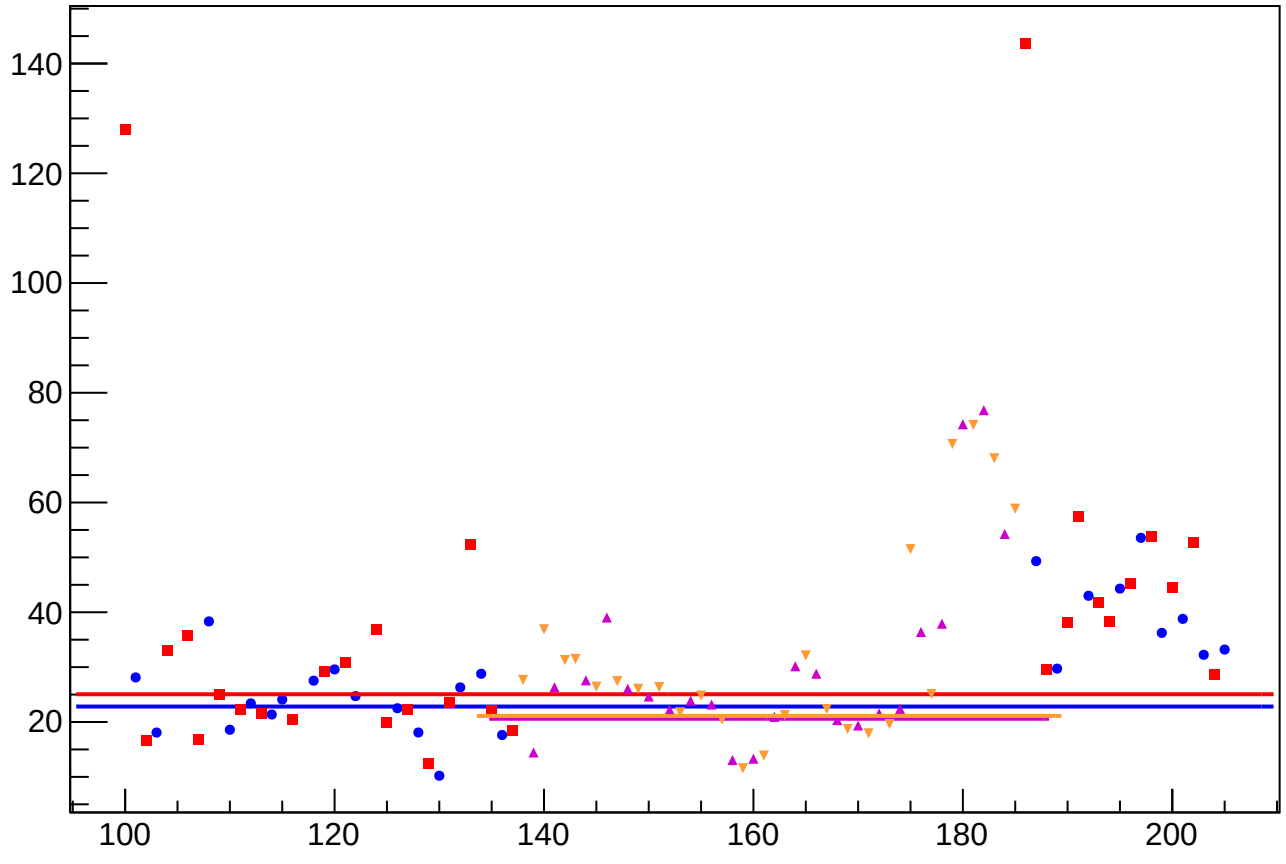
Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.5/49

All: 0.005+/-0.003 χ^2/NDF: 114.4/102

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

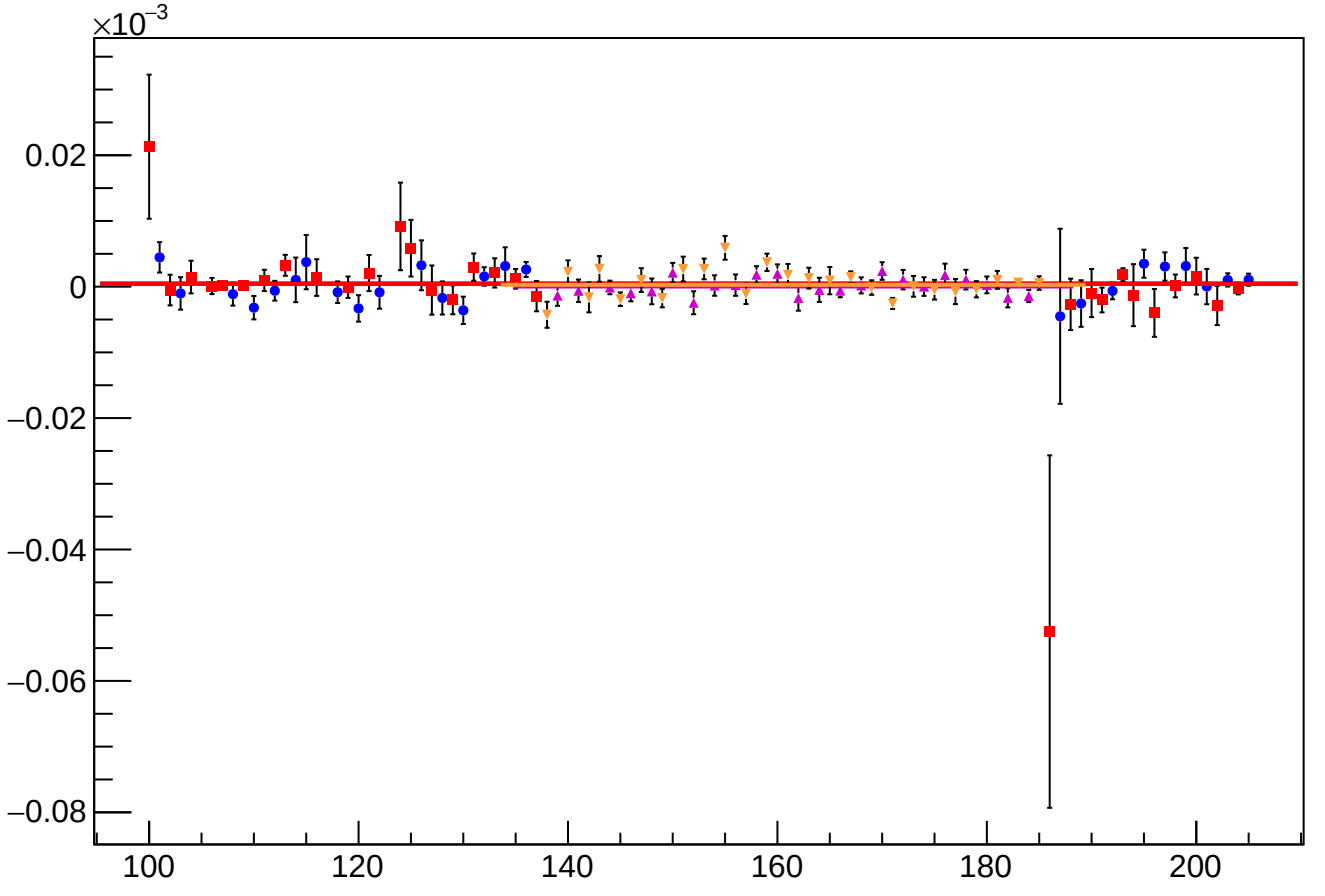
Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762963.6/49

All: 21.960+/-0.002 χ^2/NDF: 19297509.0/102

- sign 22.167+/-0.003 χ^2/NDF: 9525807.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

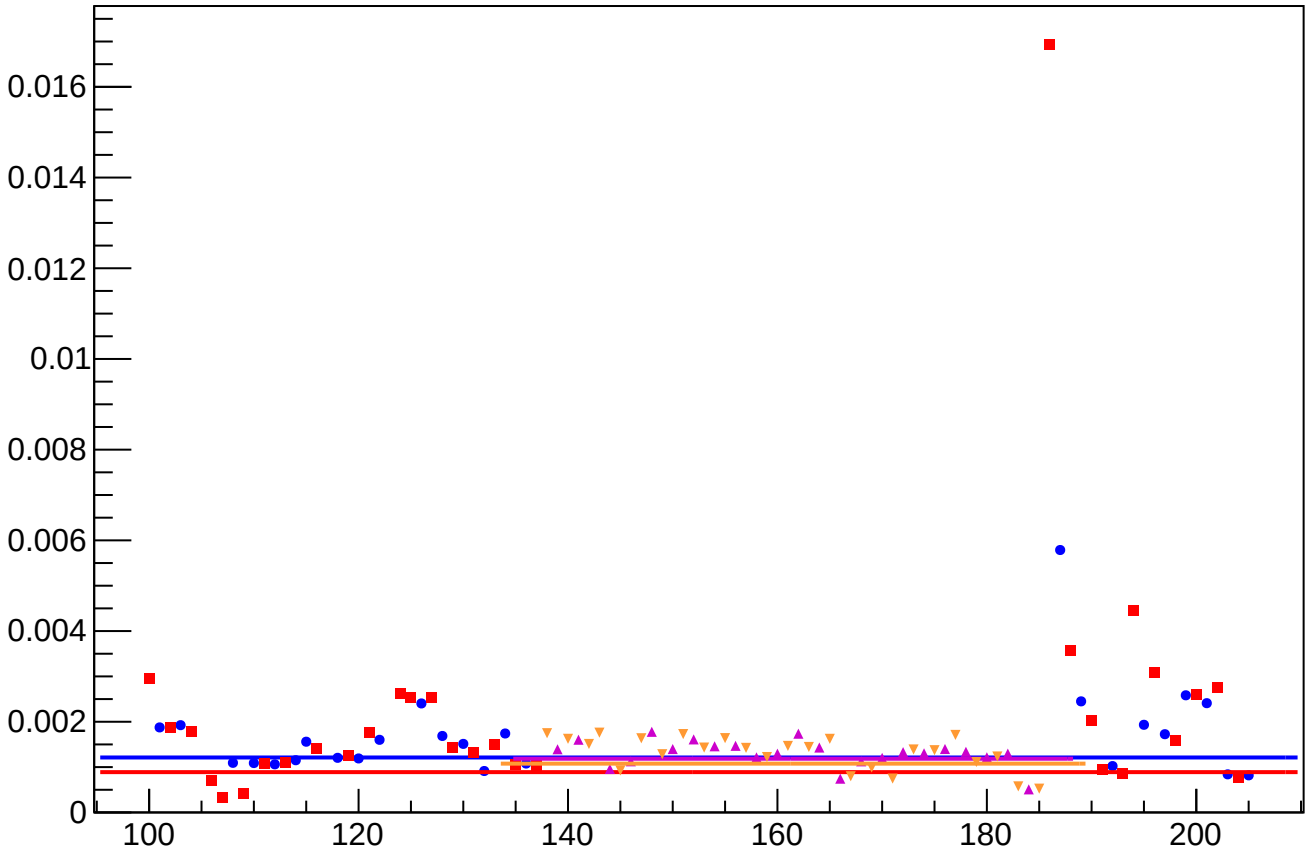
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.8/49

All: 0.000+/-0.000 χ^2/NDF: 132.5/102

- sign 0.000+/-0.000 χ^2/NDF: 48.4/52



Right In: 0.001+/-0.000 χ^2/NDF: 3327235.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

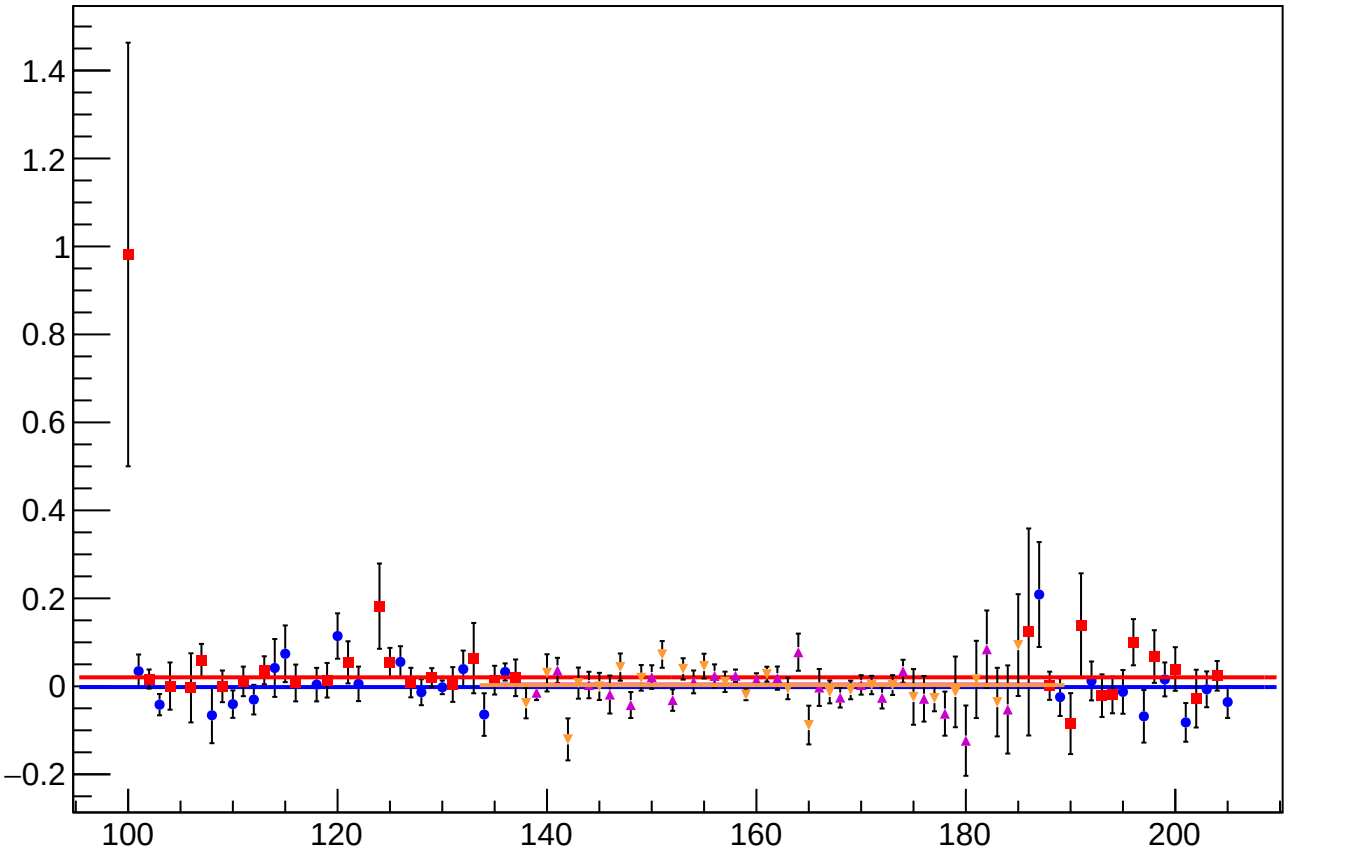
Right Out: 0.001+/-0.000 χ^2/NDF: 10585180.7/29

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8059430.4/49

All: 0.001+/-0.000 χ^2/NDF: 22332968.3/102

- sign 0.001+/-0.000 χ^2/NDF: 14094267.3/52



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

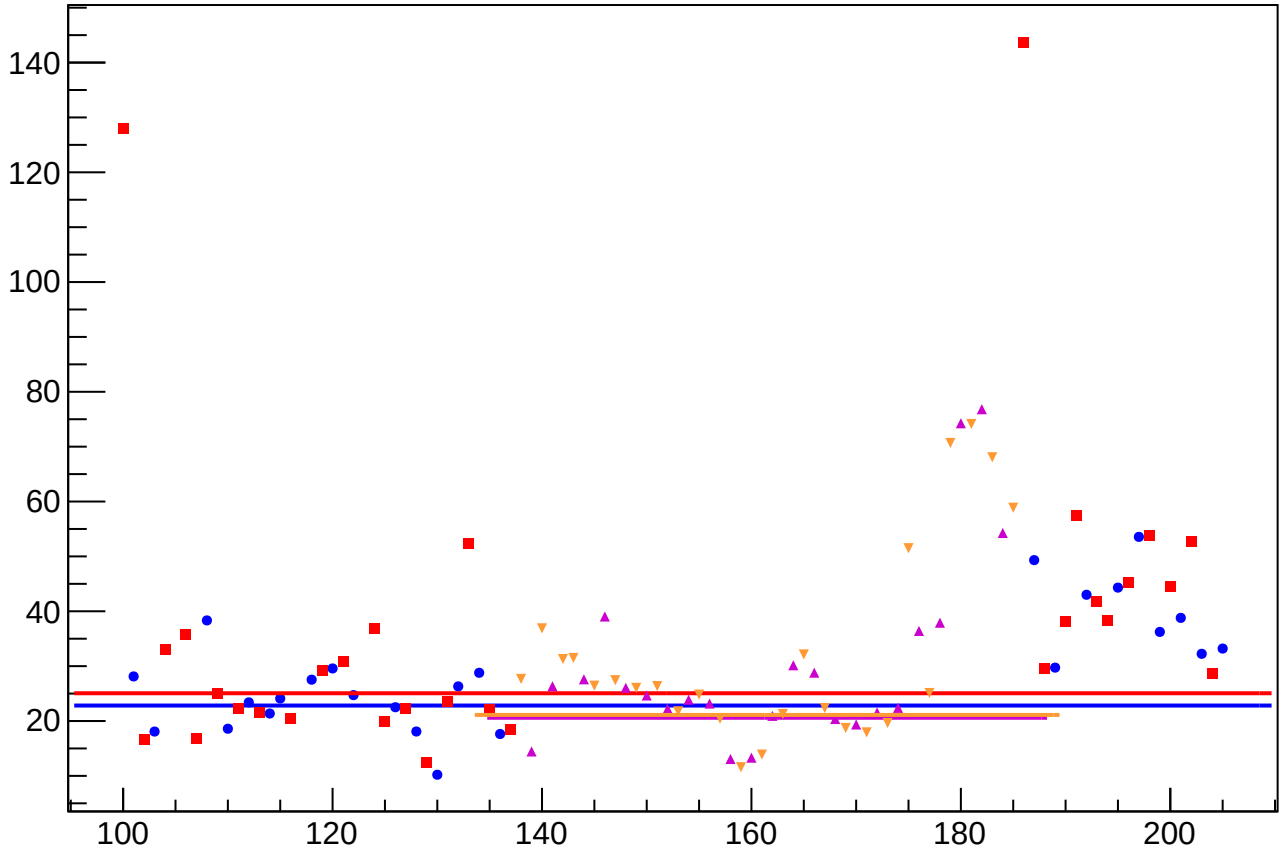
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.6/49

All: 0.005+/-0.003 χ^2/NDF: 114.4/102

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

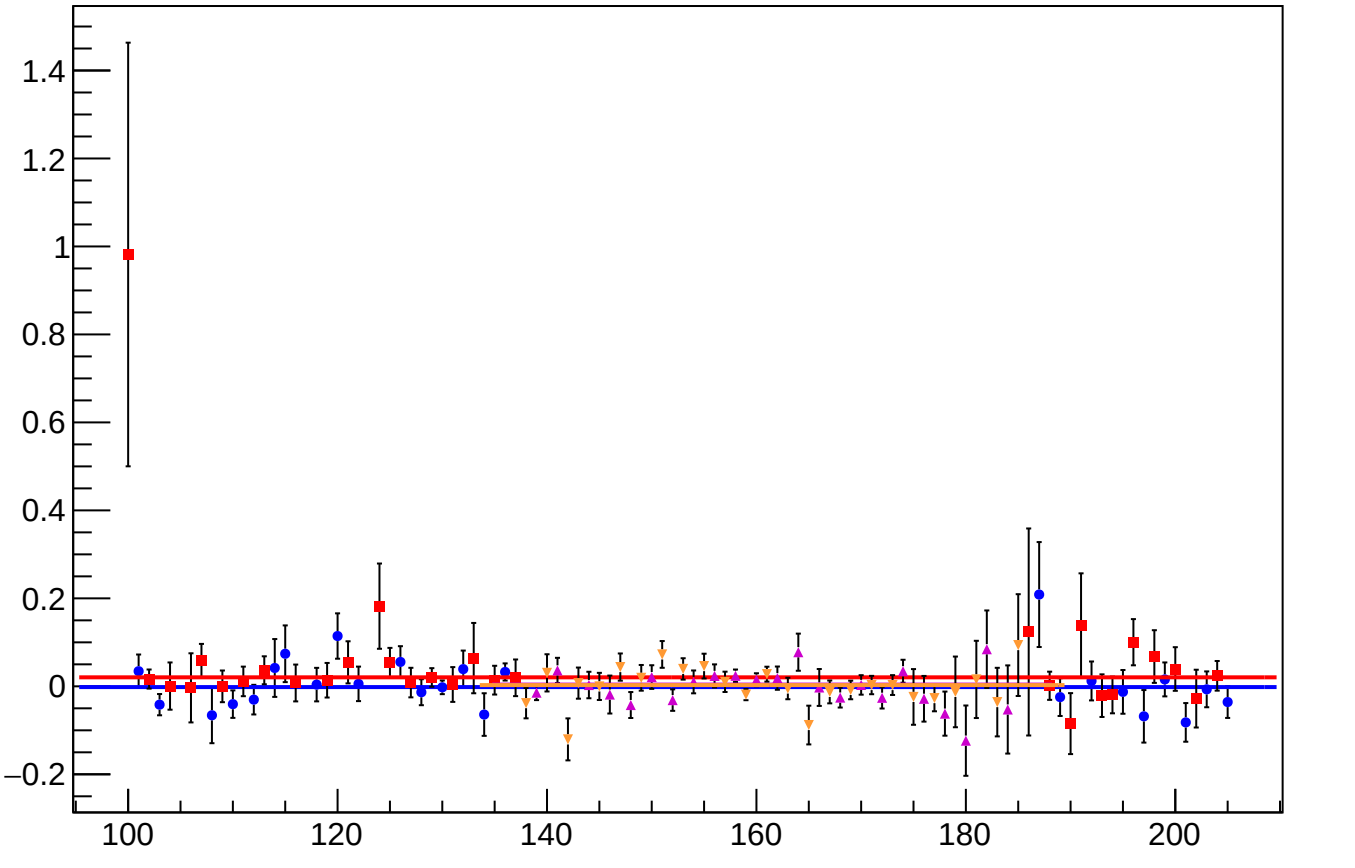
Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762892.7/49

All: 21.961+/-0.002 χ^2/NDF: 19297417.1/102

- sign 22.167+/-0.003 χ^2/NDF: 9525785.0/52



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

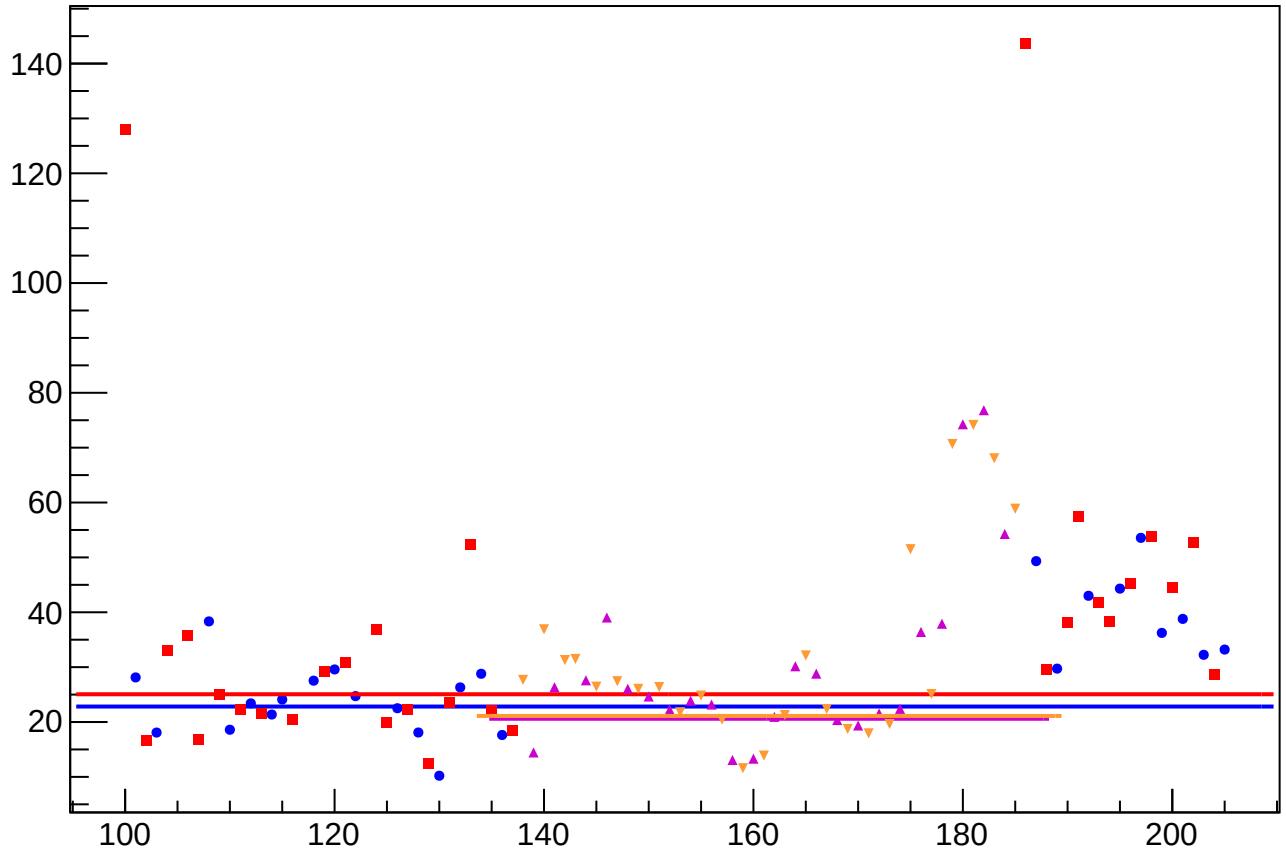
Right Out: 0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.6/49

All: 0.005+/-0.003 χ^2/NDF: 114.4/102

- sign 0.010+/-0.004 χ^2/NDF: 47.8/52



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

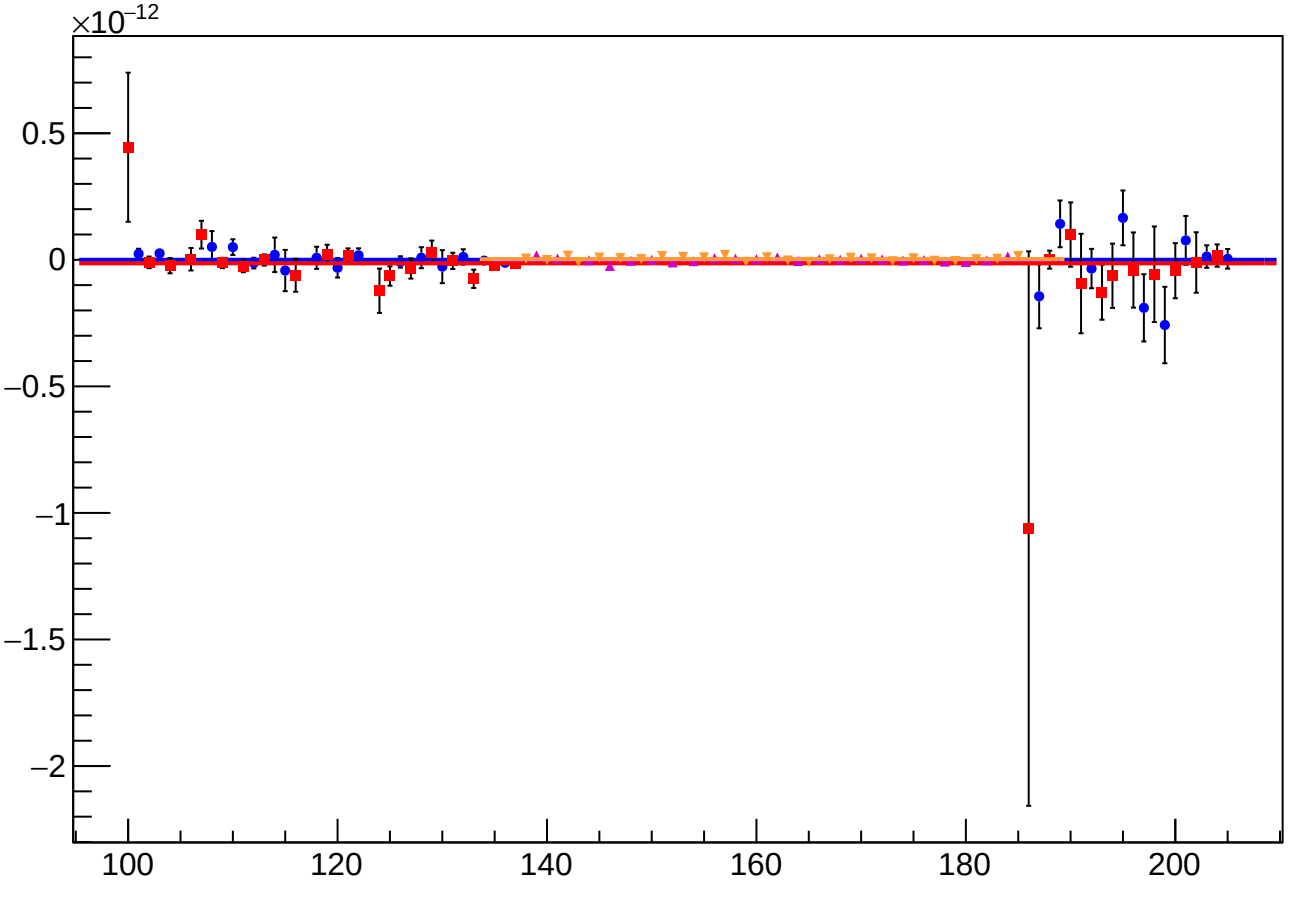
Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762892.7/49

All: 21.961+/-0.002 χ^2/NDF: 19297417.1/102

- sign 22.167+/-0.003 χ^2/NDF: 9525785.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

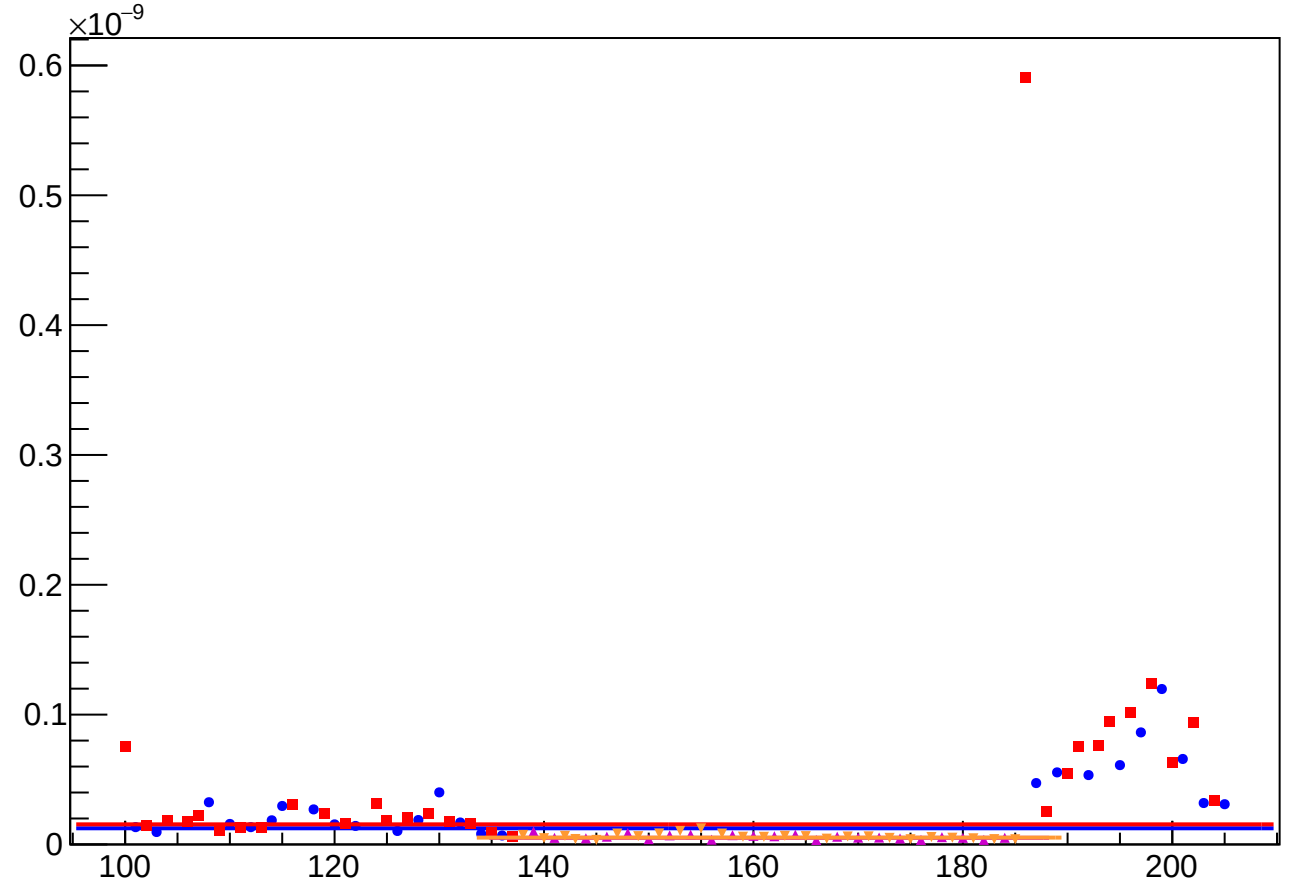
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/29

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/49

All: 0.000+/-0.000 χ^2/NDF: 93.8/102

- sign -0.000+/-0.000 χ^2/NDF: 47.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 6651840.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6995352.8/29

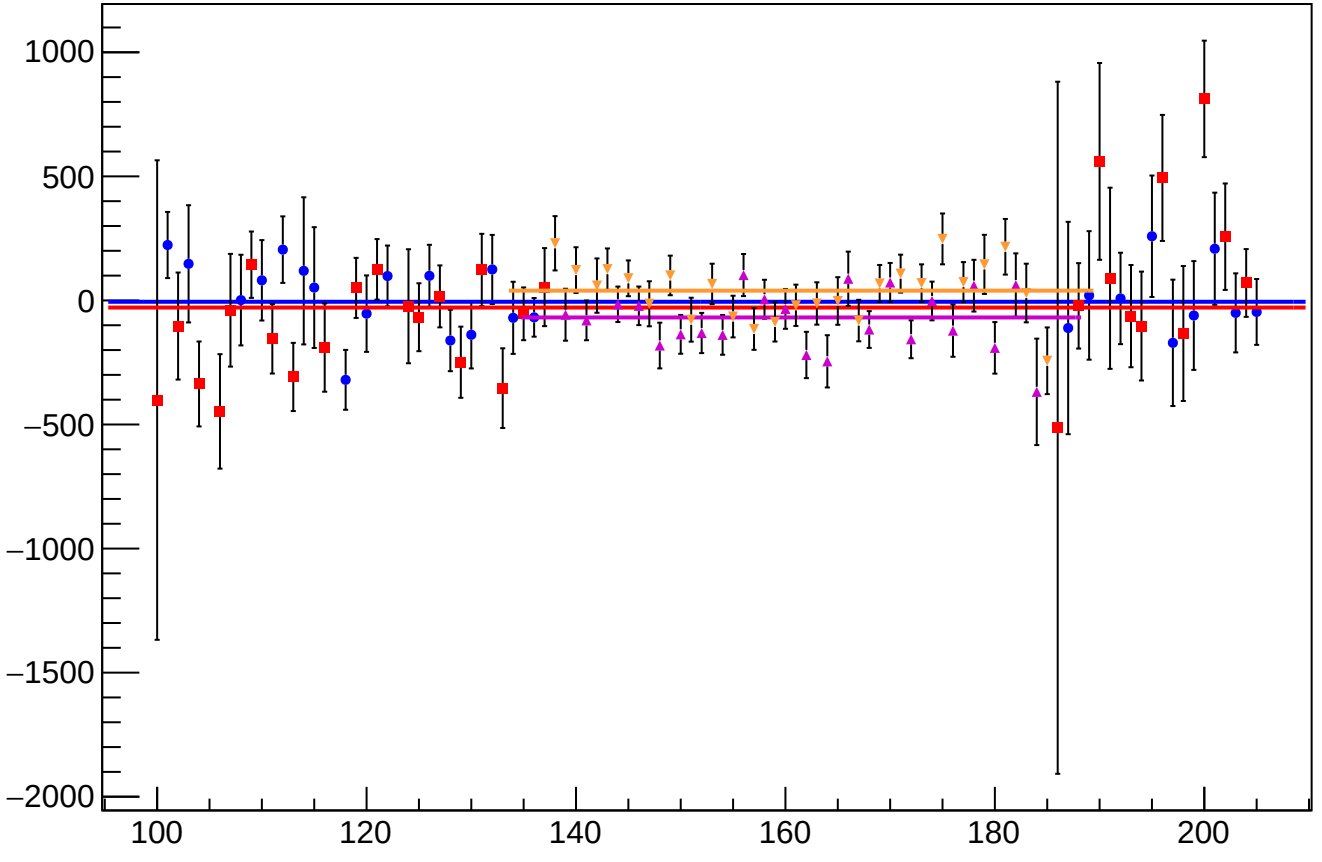
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11923899.5/49

All: 0.000+/-0.000 χ^2/NDF: 25765680.9/102

- sign 0.000+/-0.000 χ^2/NDF: 13834451.3/52

reg_asym_sam_2468_avg_mean vs Slug



Right In: -5.394+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -28.674+/-31.057 χ^2/NDF: 46.4/29

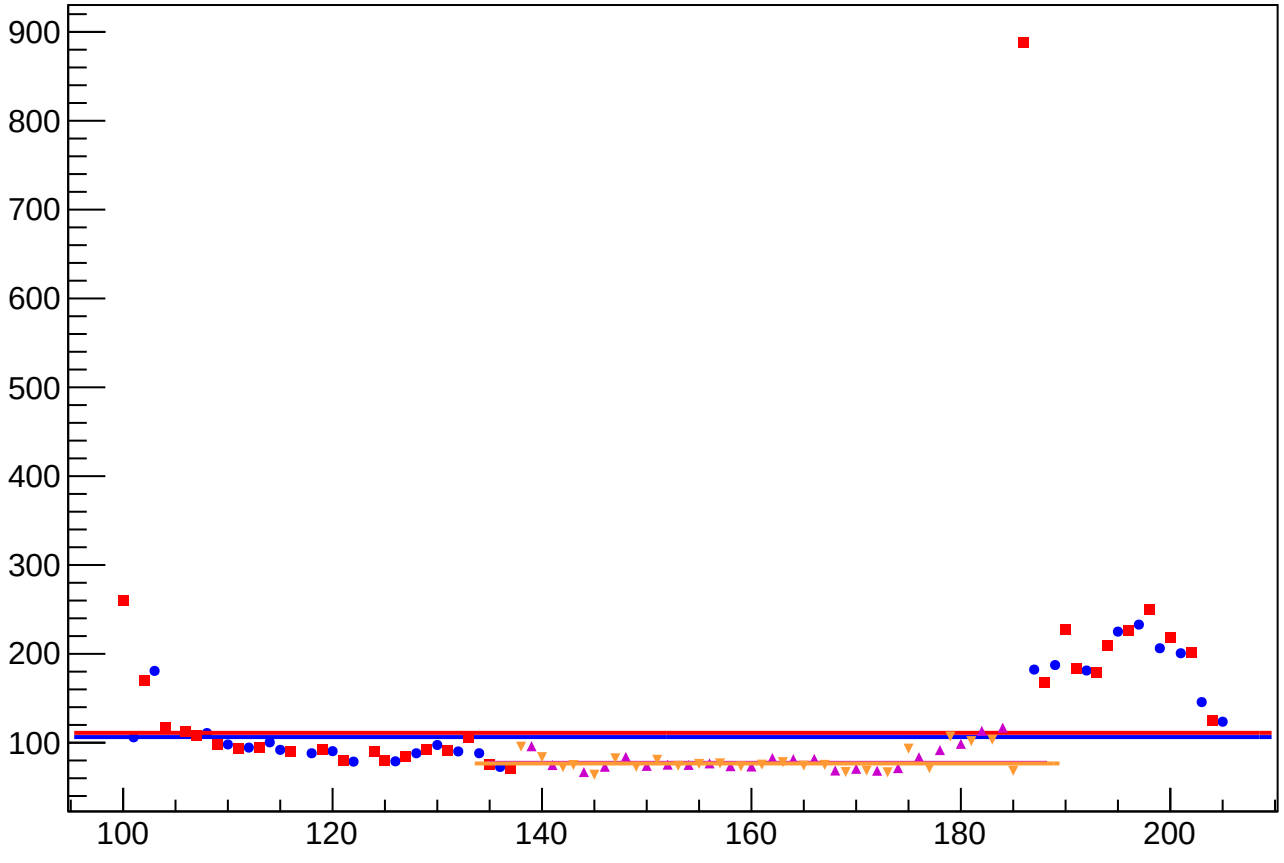
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 28.250+/-15.297 χ^2/NDF: 55.3/49

All: -13.693+/-10.983 χ^2/NDF: 147.5/102

- sign -58.310+/-15.777 χ^2/NDF: 76.7/52

reg_asym_sam_2468_avg_rms vs Slug



Right In: 106.329+/-0.022 χ^2/NDF: 3449652.9/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

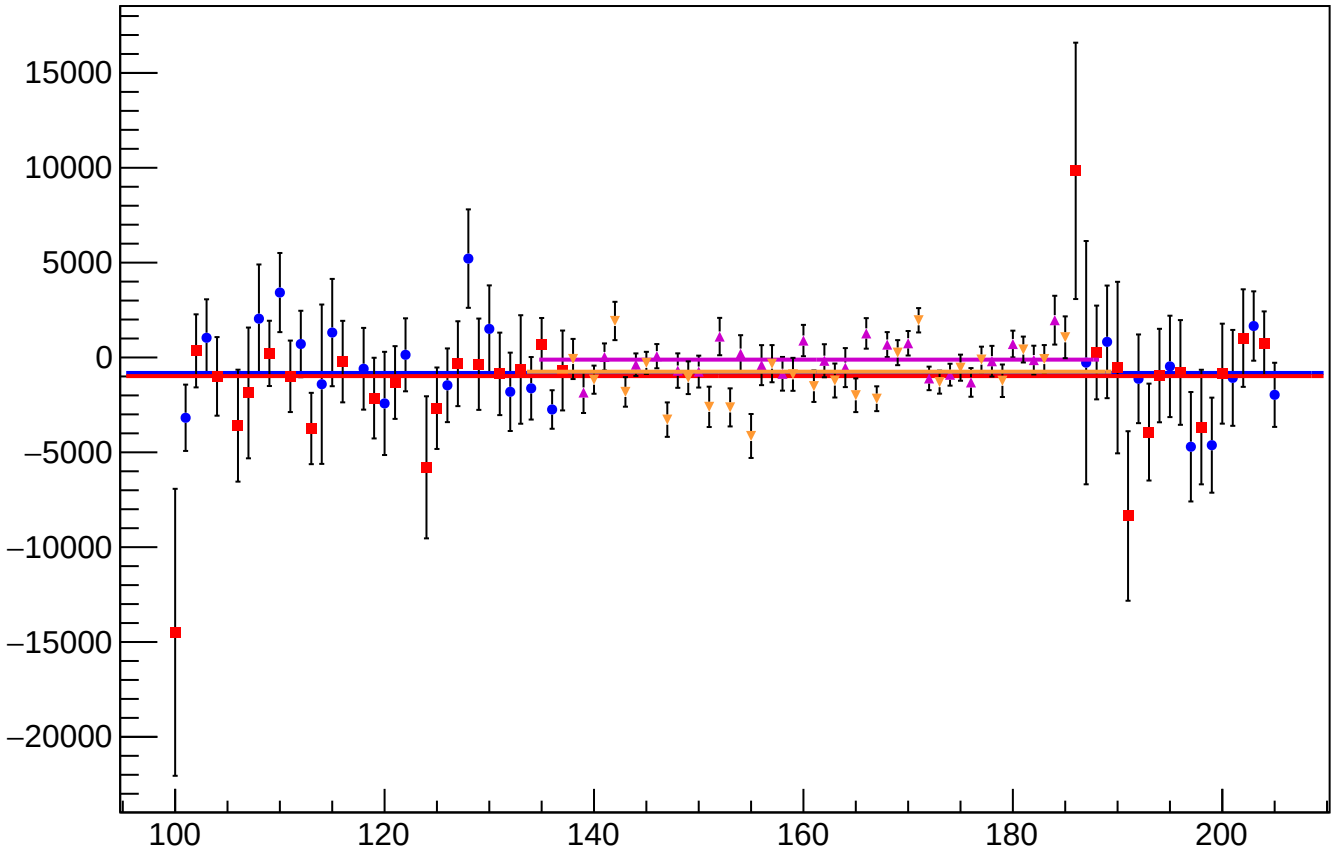
Right Out: 111.115+/-0.022 χ^2/NDF: 4571180.5/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 84.073+/-0.011 χ^2/NDF: 5516900.8/49

All: 85.037+/-0.008 χ^2/NDF: 12449046.6/102

- sign 86.063+/-0.011 χ^2/NDF: 6915743.1/52



Right In: -816.143+/-416.265 χ^2/NDF: 27.1/24

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -982.070+/-424.415 χ^2/NDF: 20.8/29

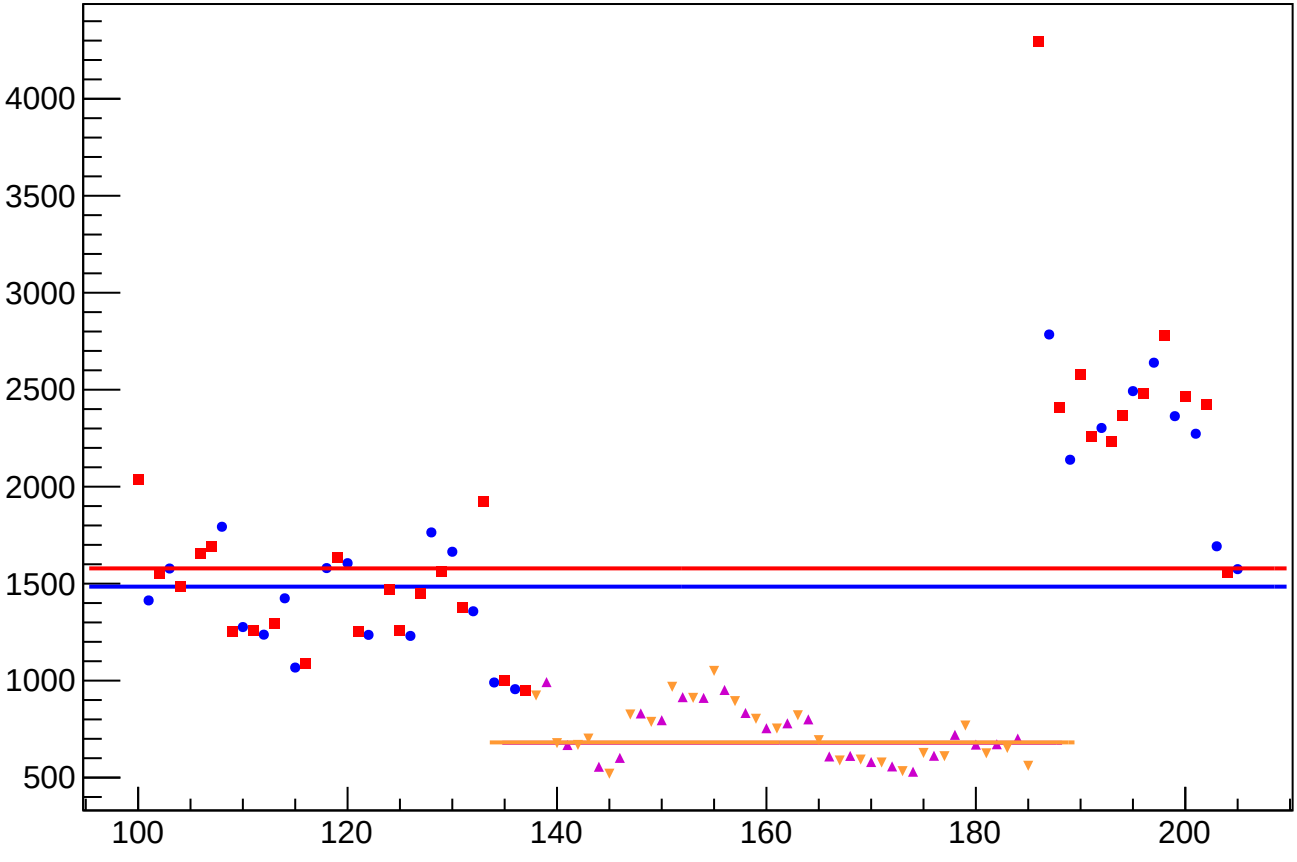
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -758.023+/-147.783 χ^2/NDF: 97.1/49

All: -497.096+/-105.684 χ^2/NDF: 153.0/102

- sign -223.989+/-151.194 χ^2/NDF: 49.5/52

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1484.568+/-0.294 χ^2/NDF: 2476182.5/24

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1578.684+/-0.300 χ^2/NDF: 2970999.5/29

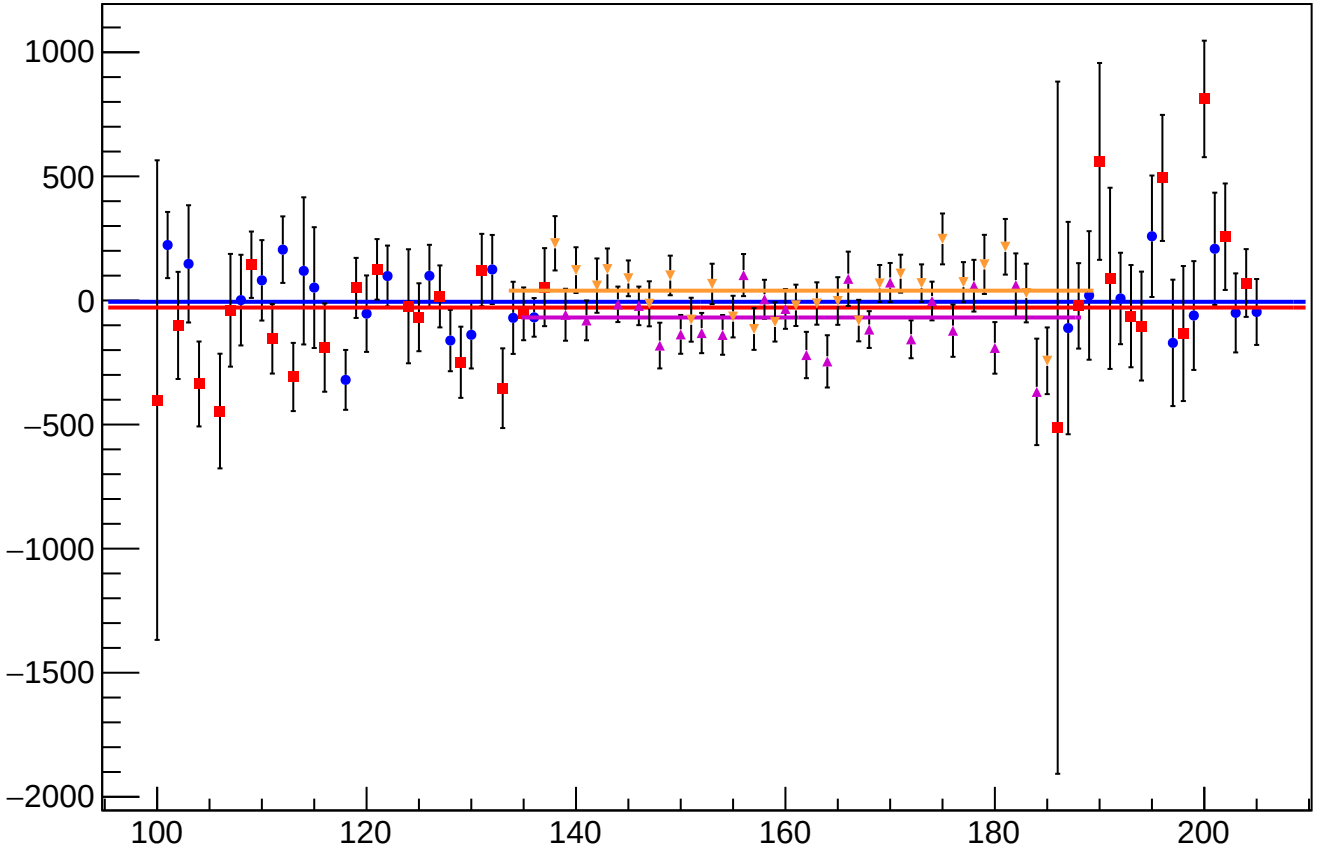
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 782.655+/-0.104 χ^2/NDF: 10317159.3/49

All: 787.972+/-0.075 χ^2/NDF: 22318230.8/10

- sign 793.537+/-0.107 χ^2/NDF: 11995773.4/52

cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -28.559+/-31.058 χ^2/NDF: 46.4/29

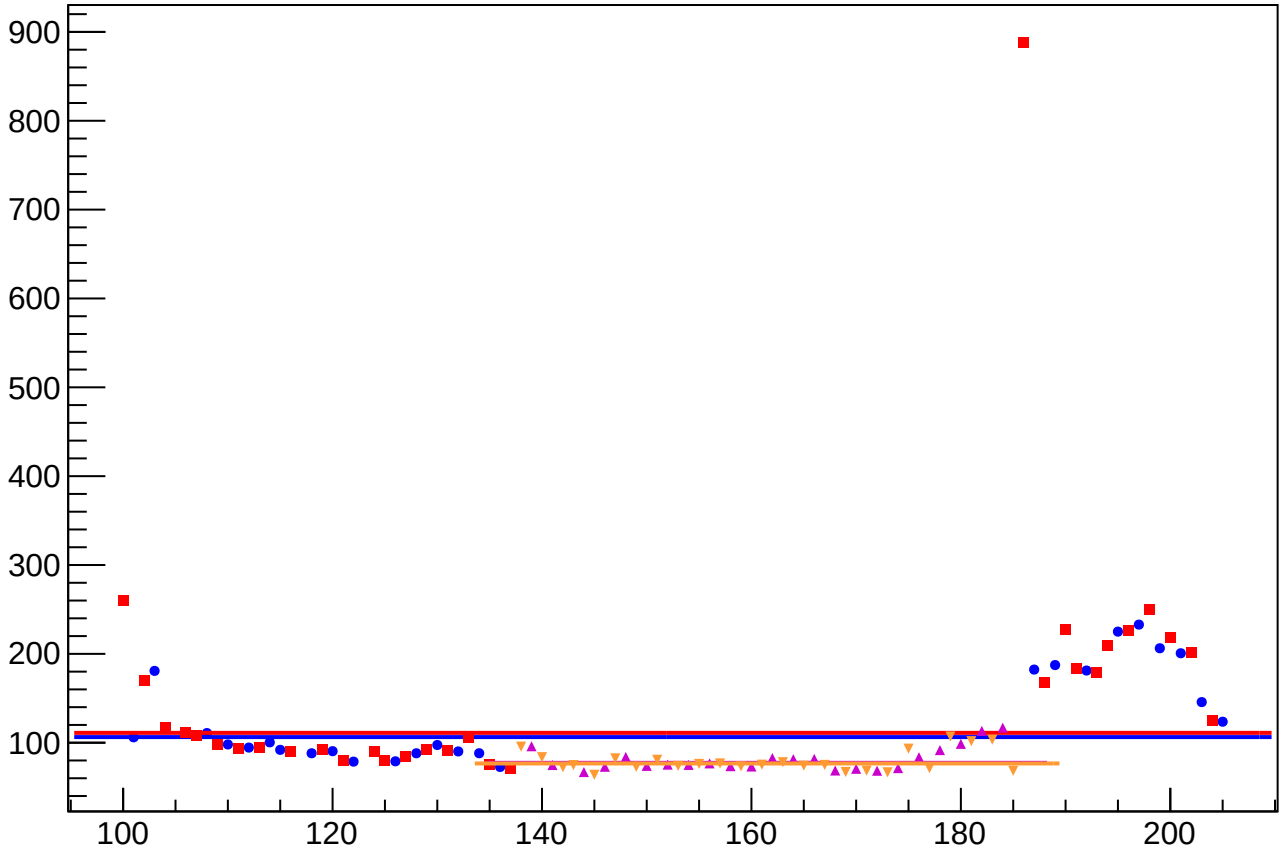
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 28.253+/-15.297 χ^2/NDF: 55.3/49

All: -13.677+/-10.983 χ^2/NDF: 147.4/102

- sign -58.281+/-15.777 χ^2/NDF: 76.6/52

cor_asym_sam_2468_avg_rms vs Slug



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

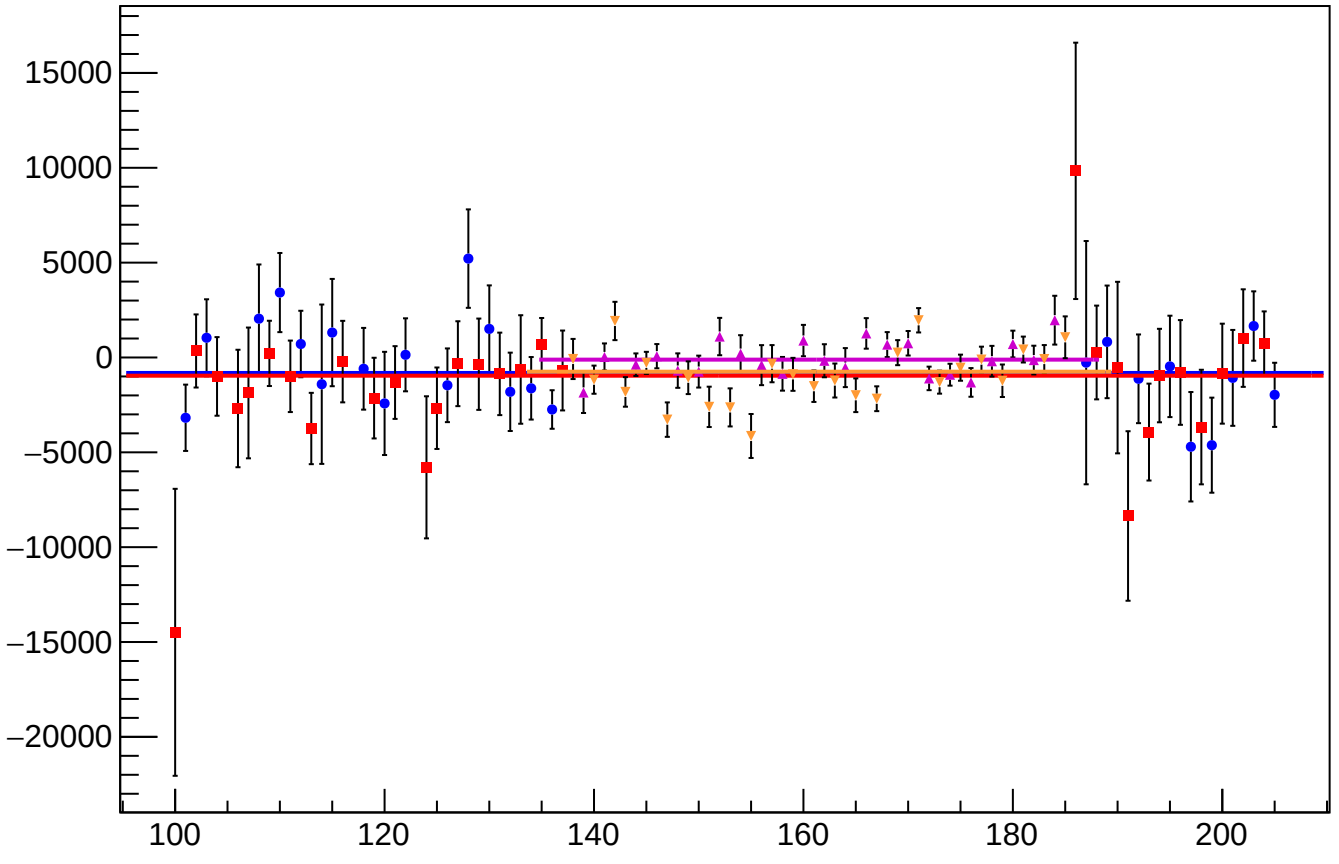
Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 84.073+/-0.011 χ^2/NDF: 5516904.3/49

All: 85.034+/-0.008 χ^2/NDF: 12446532.3/102

- sign 86.056+/-0.011 χ^2/NDF: 6913334.8/52



Right In: -816.115+/-416.266 χ^2/NDF: 27.1/24

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -960.470+/-424.832 χ^2/NDF: 20.3/29

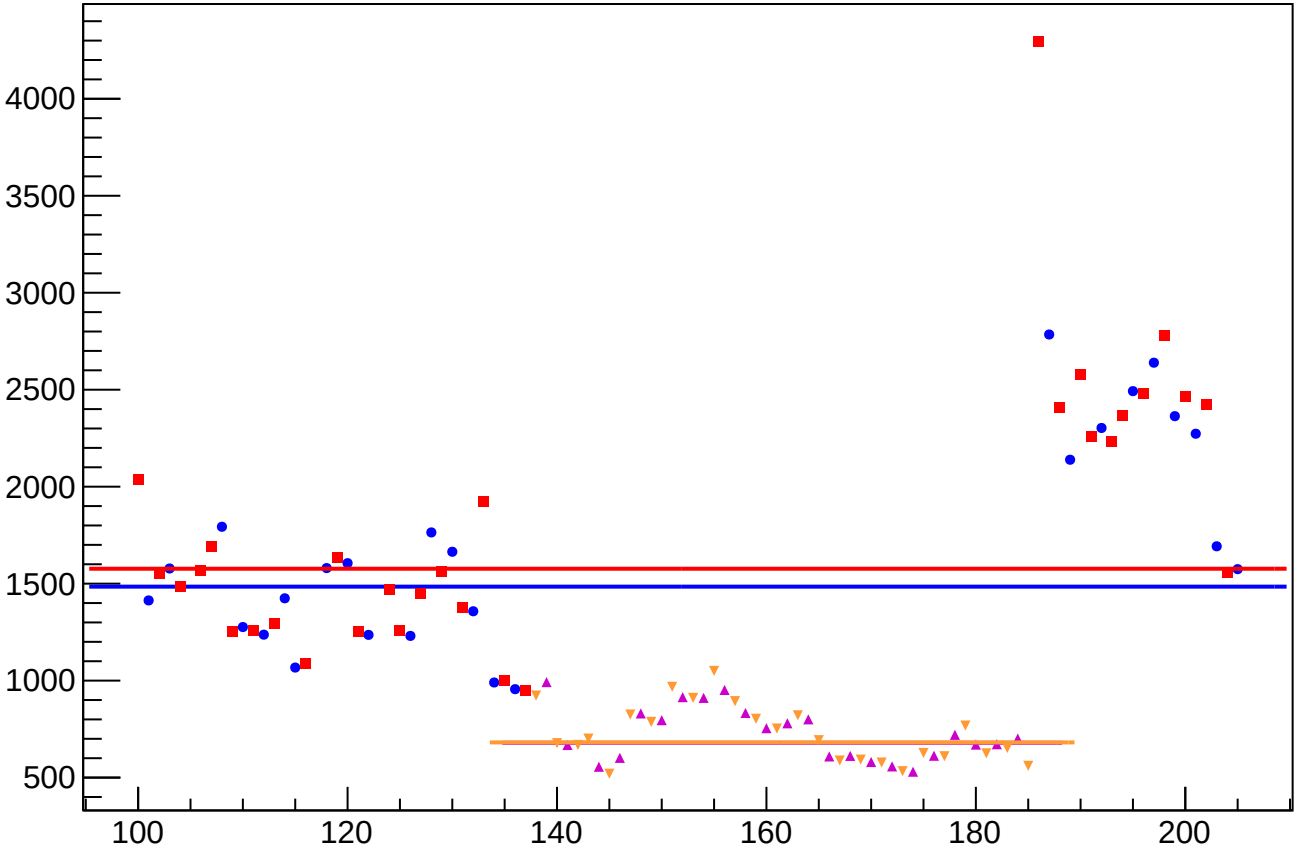
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -758.012+/-147.783 χ^2/NDF: 97.1/49

All: -495.695+/-105.690 χ^2/NDF: 152.4/102

- sign -221.063+/-151.212 χ^2/NDF: 48.9/52

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

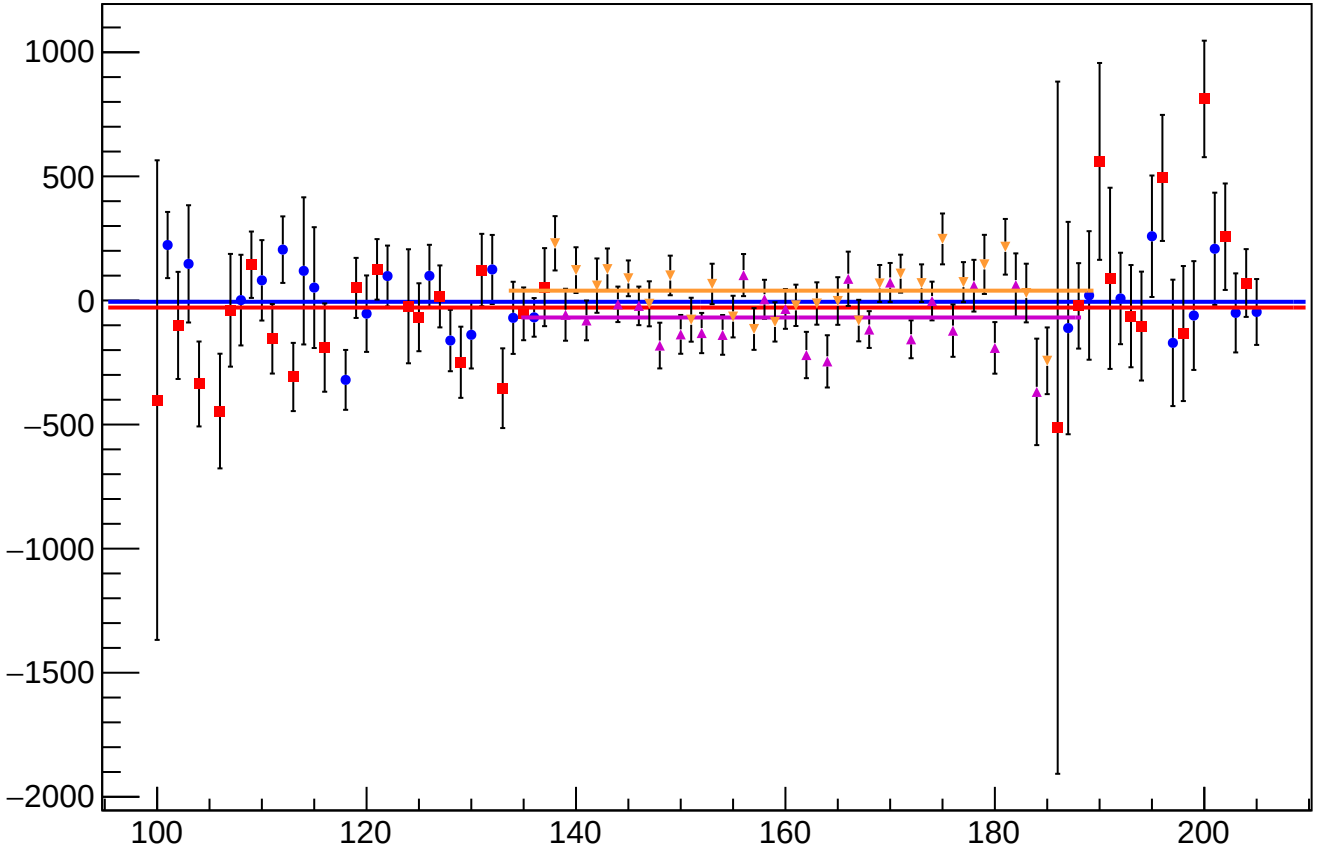
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

\+ sign 782.655+/-0.104 χ^2/NDF: 10317205.2/49

All: 787.769+/-0.075 χ^2/NDF: 22273135.2/10

\- sign 793.123+/-0.107 χ^2/NDF: 11951027.0/52

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -28.559+/-31.058 χ^2/NDF: 46.4/29

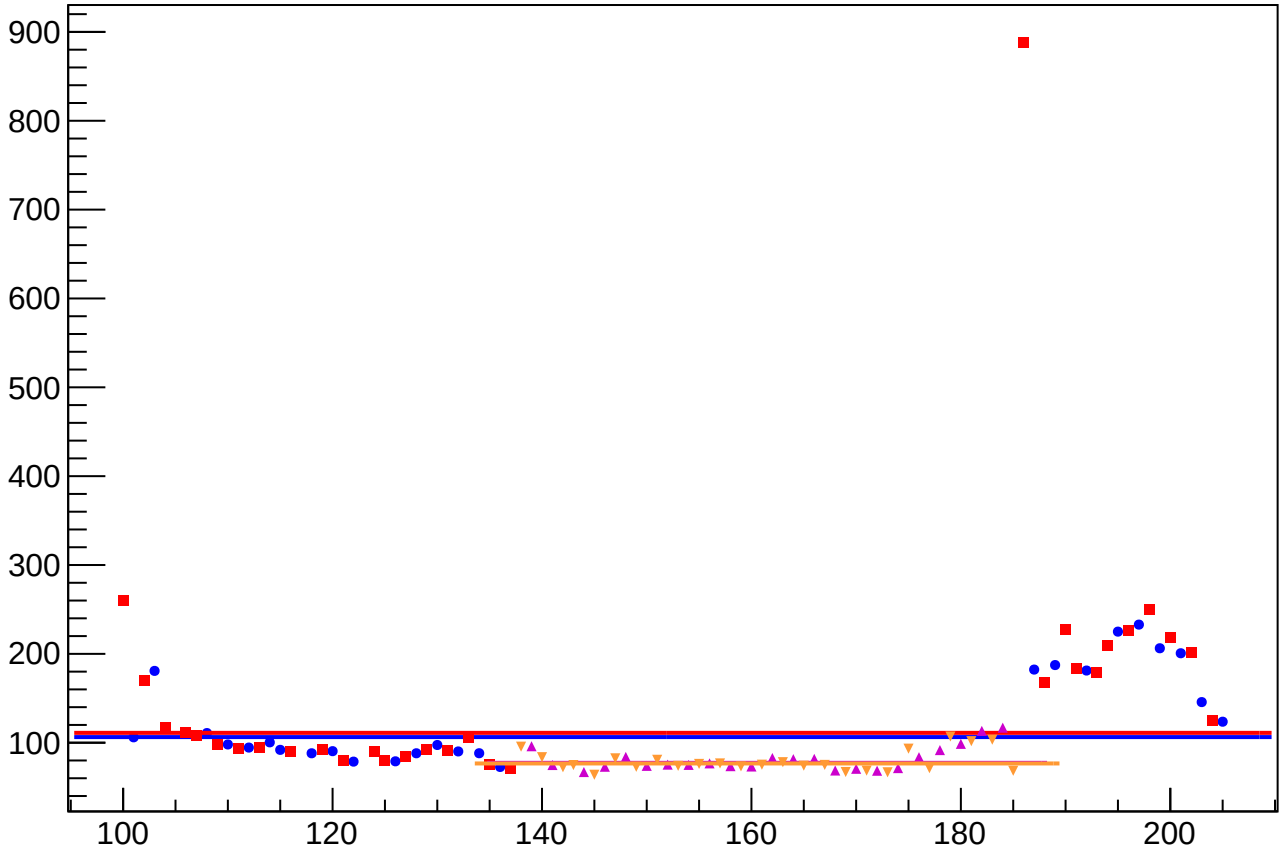
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 28.253+/-15.297 χ^2/NDF: 55.3/49

All: -13.677+/-10.983 χ^2/NDF: 147.4/102

- sign -58.281+/-15.777 χ^2/NDF: 76.6/52

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

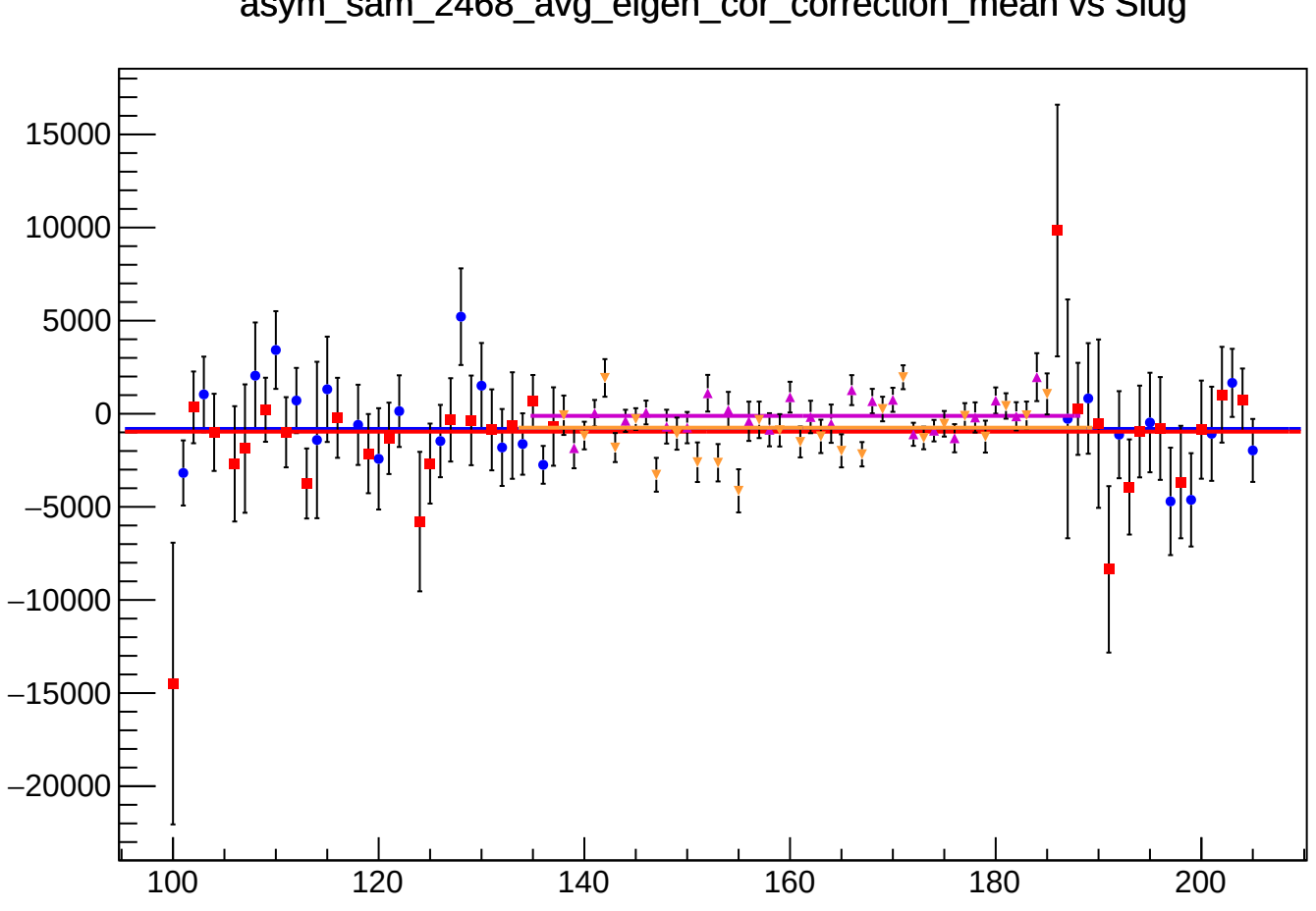
Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 84.073+/-0.011 χ^2/NDF: 5516904.3/49

All: 85.034+/-0.008 χ^2/NDF: 12446532.3/102

- sign 86.056+/-0.011 χ^2/NDF: 6913334.8/52



Right In: -816.115+/-416.266 χ^2/NDF: 27.1/24

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

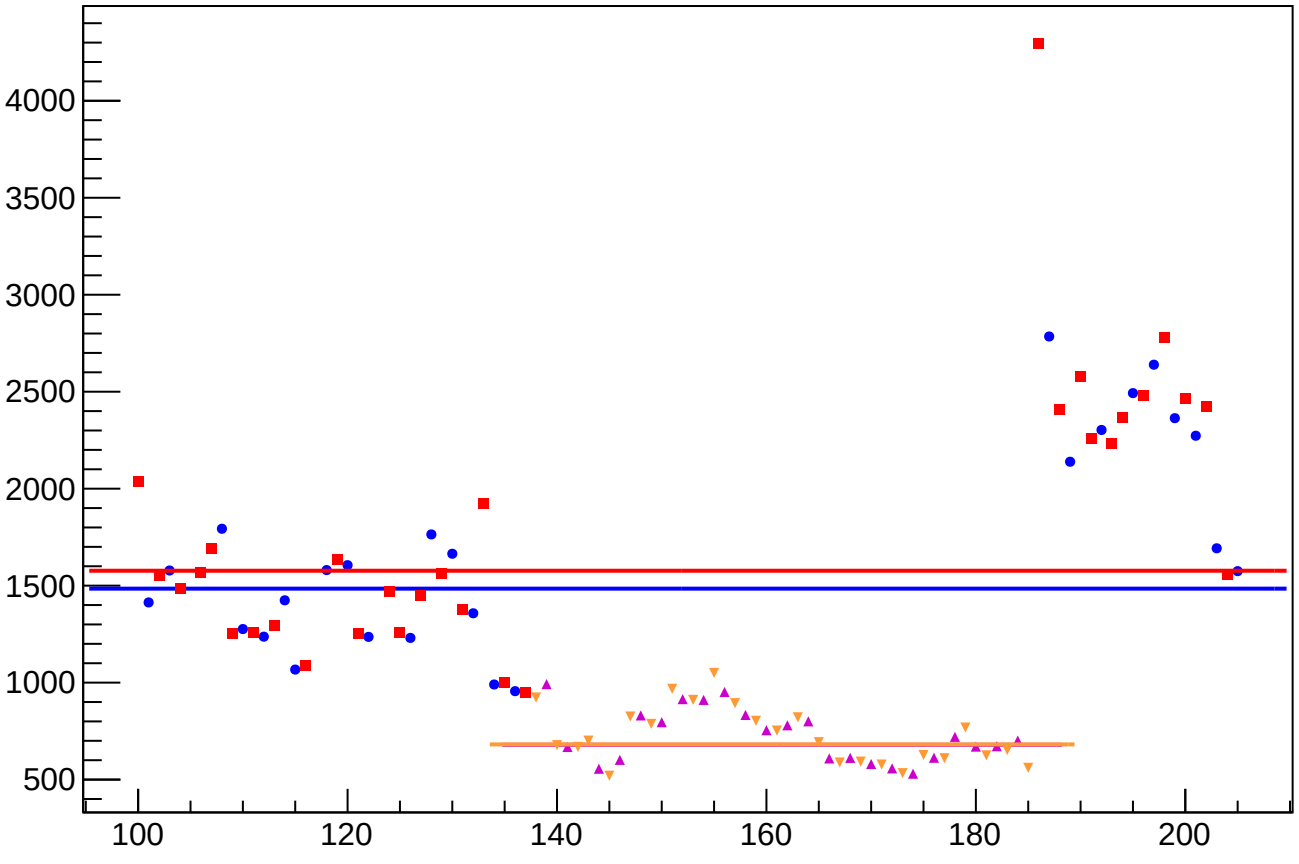
Right Out: -960.470+/-424.832 χ^2/NDF: 20.3/29

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -758.012+/-147.783 χ^2/NDF: 97.1/49

All: -495.695+/-105.690 χ^2/NDF: 152.4/102

- sign -221.063+/-151.212 χ^2/NDF: 48.9/52



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

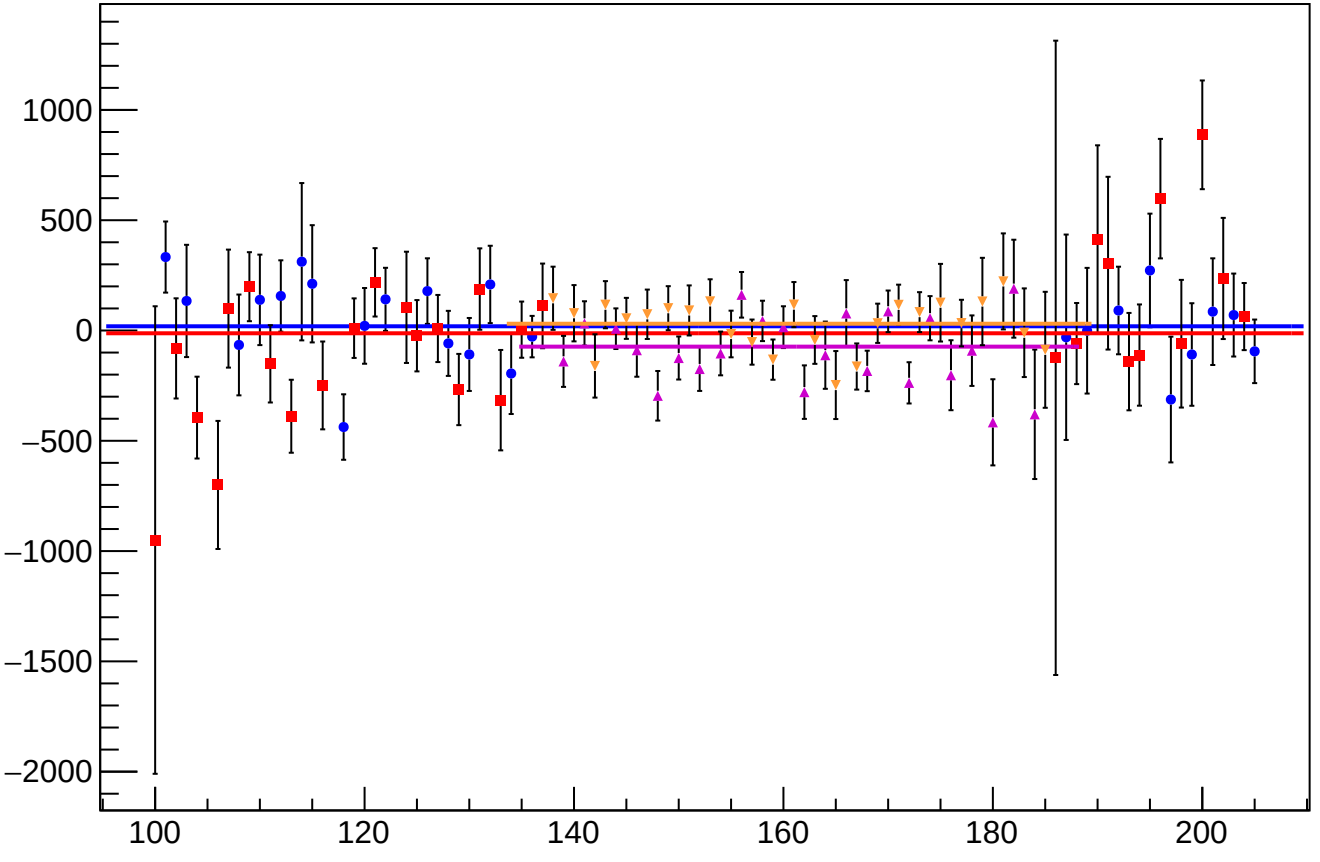
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 782.655+/-0.104 χ^2/NDF: 10317205.2/49

All: 787.769+/-0.075 χ^2/NDF: 22273135.2/10

- sign 793.123+/-0.107 χ^2/NDF: 11951027.0/52

dit_asym_sam_2468_avg_mean vs Slug



Right In: 19.129+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -12.559+/-36.276 χ^2/NDF: 50.0/29

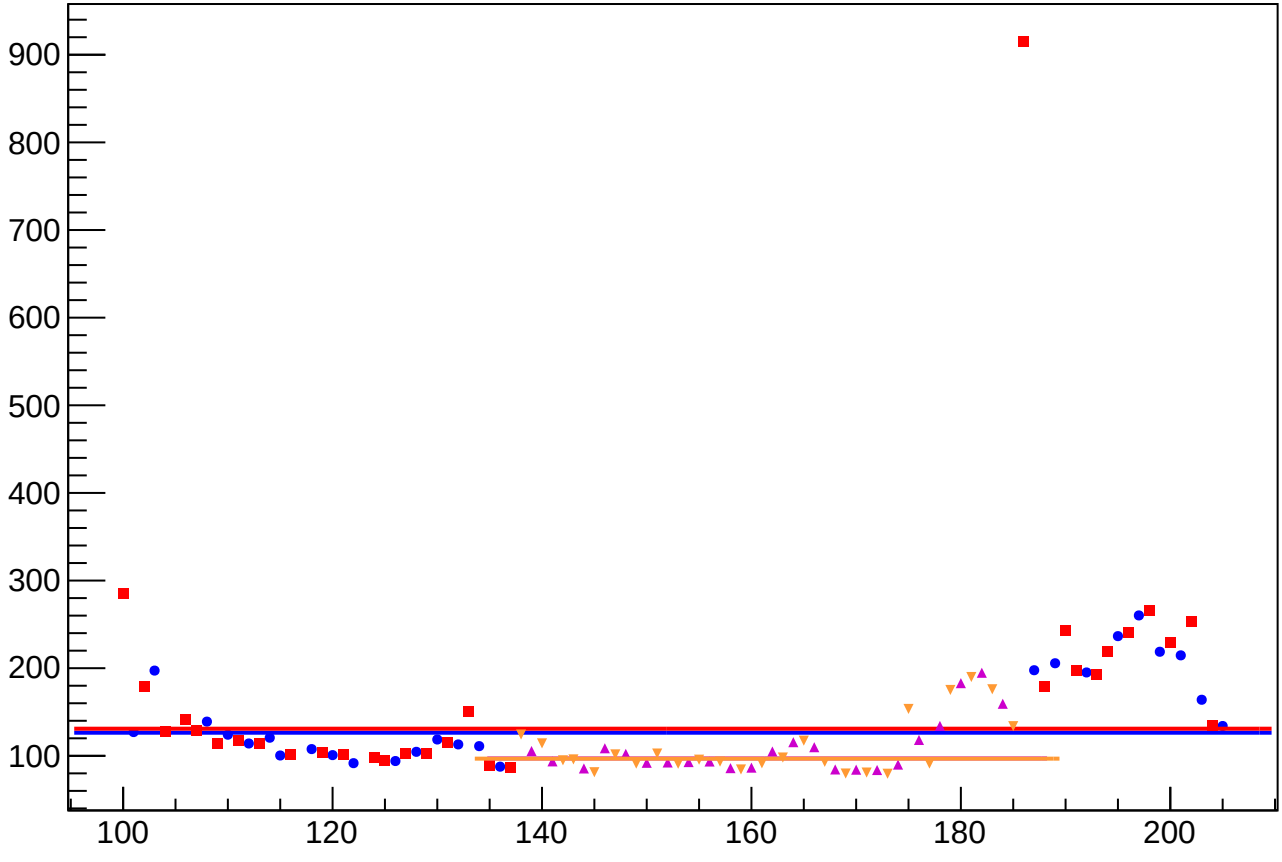
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 27.368+/-19.300 χ^2/NDF: 44.9/49

All: -13.021+/-13.796 χ^2/NDF: 140.4/102

- sign -55.226+/-19.729 χ^2/NDF: 86.5/52

dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.388+/-0.025 χ^2/NDF: 2811896.2/24

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.969+/-0.026 χ^2/NDF: 3868234.2/29

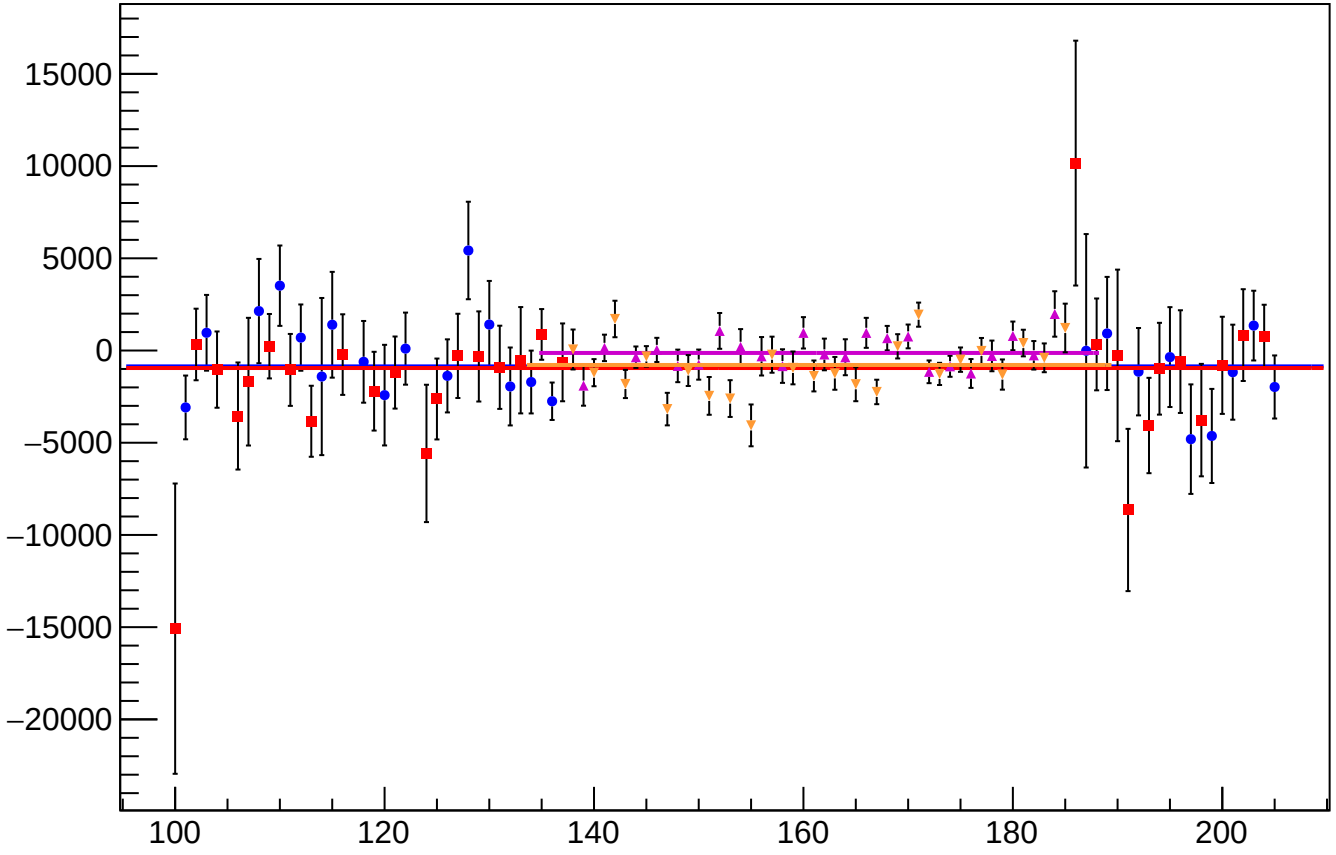
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 105.286+/-0.014 χ^2/NDF: 5494384.1/49

All: 106.153+/-0.010 χ^2/NDF: 11925839.6/10

- sign 107.059+/-0.014 χ^2/NDF: 6423196.6/52

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -860.799+/-422.750 χ^2/NDF: 26.4/24

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -948.817+/-428.349 χ^2/NDF: 21.7/29

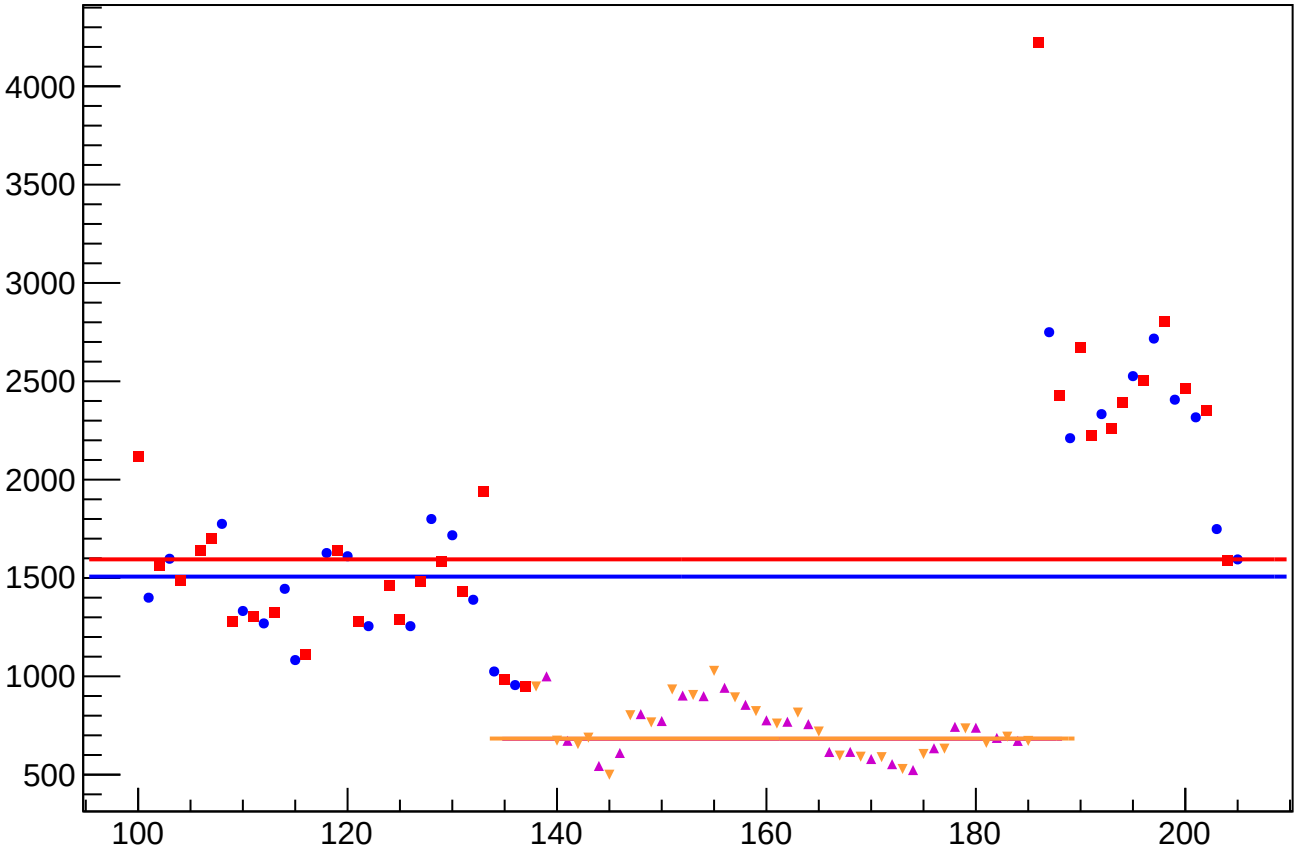
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -793.233+/-148.271 χ^2/NDF: 92.7/49

All: -520.363+/-106.090 χ^2/NDF: 148.9/102

- sign -234.122+/-151.860 χ^2/NDF: 49.2/52

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1507.027+/-0.299 χ^2/NDF: 2518973.2/24

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1594.736+/-0.303 χ^2/NDF: 2941590.0/29

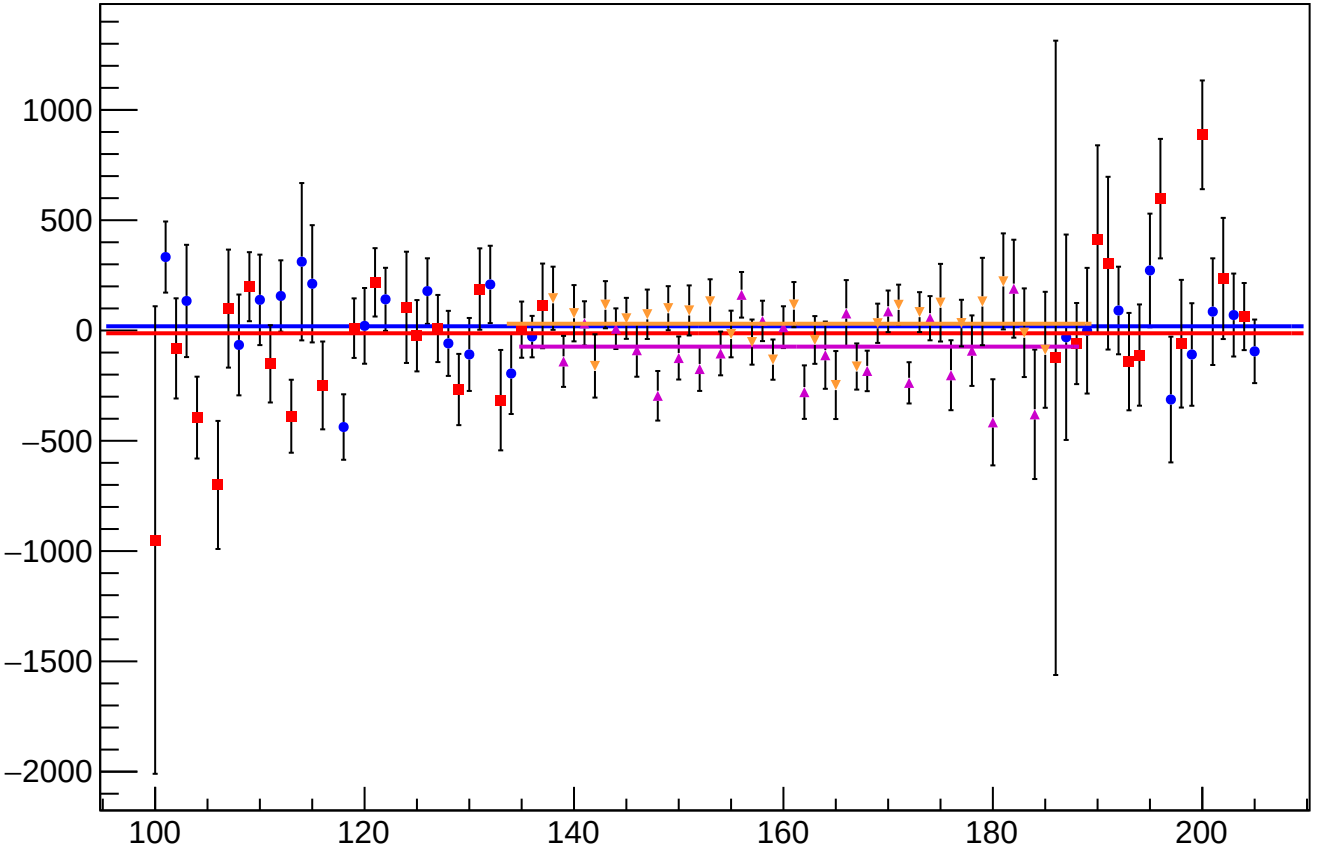
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

\+ sign 784.977+/-0.105 χ^2/NDF: 10469738.1/49

All: 790.692+/-0.075 χ^2/NDF: 22543695.7/10

\- sign 796.686+/-0.107 χ^2/NDF: 12067870.2/52

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 19.130+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -12.558+/-36.276 χ^2/NDF: 50.0/29

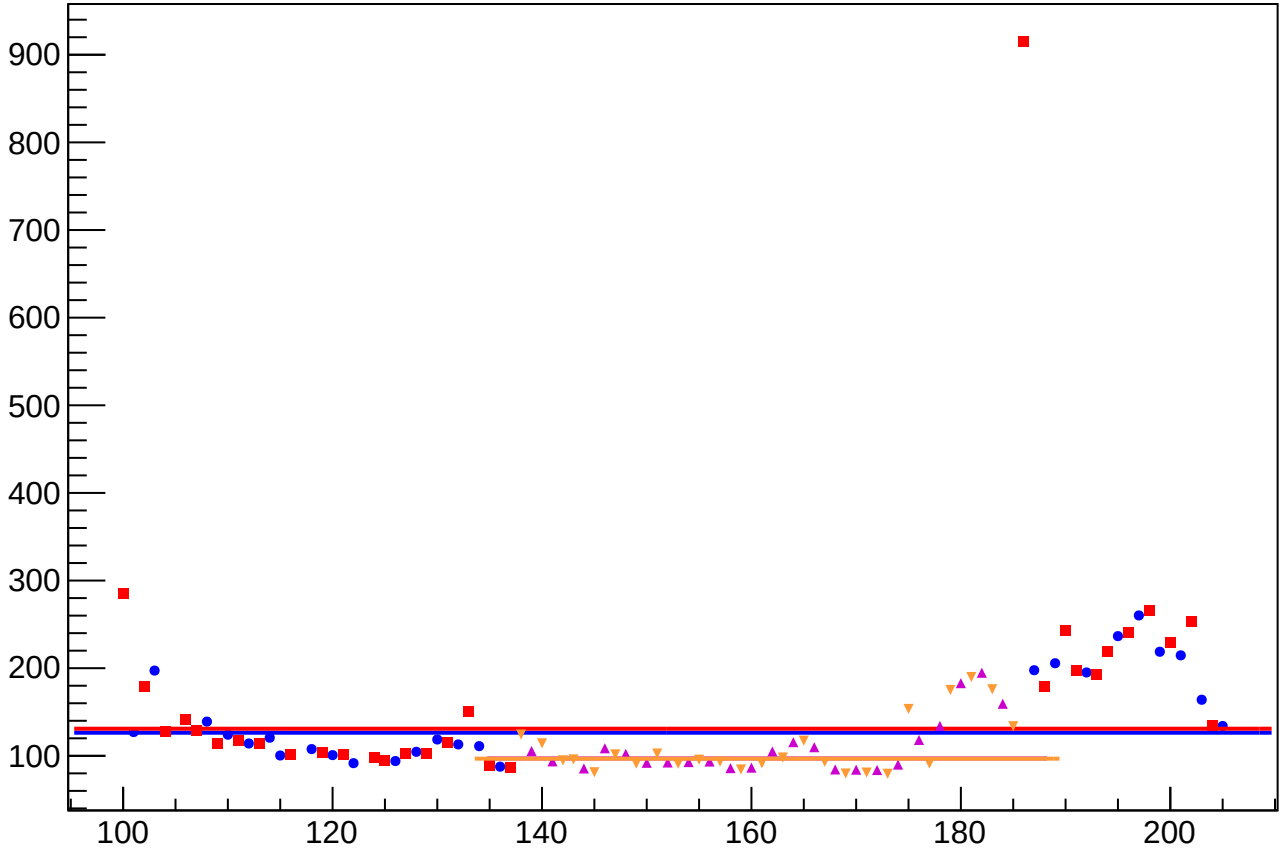
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 27.369+/-19.300 χ^2/NDF: 44.9/49

All: -13.020+/-13.796 χ^2/NDF: 140.4/102

- sign -55.225+/-19.729 χ^2/NDF: 86.5/52

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.387+/-0.025 χ^2/NDF: 2811913.8/24

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

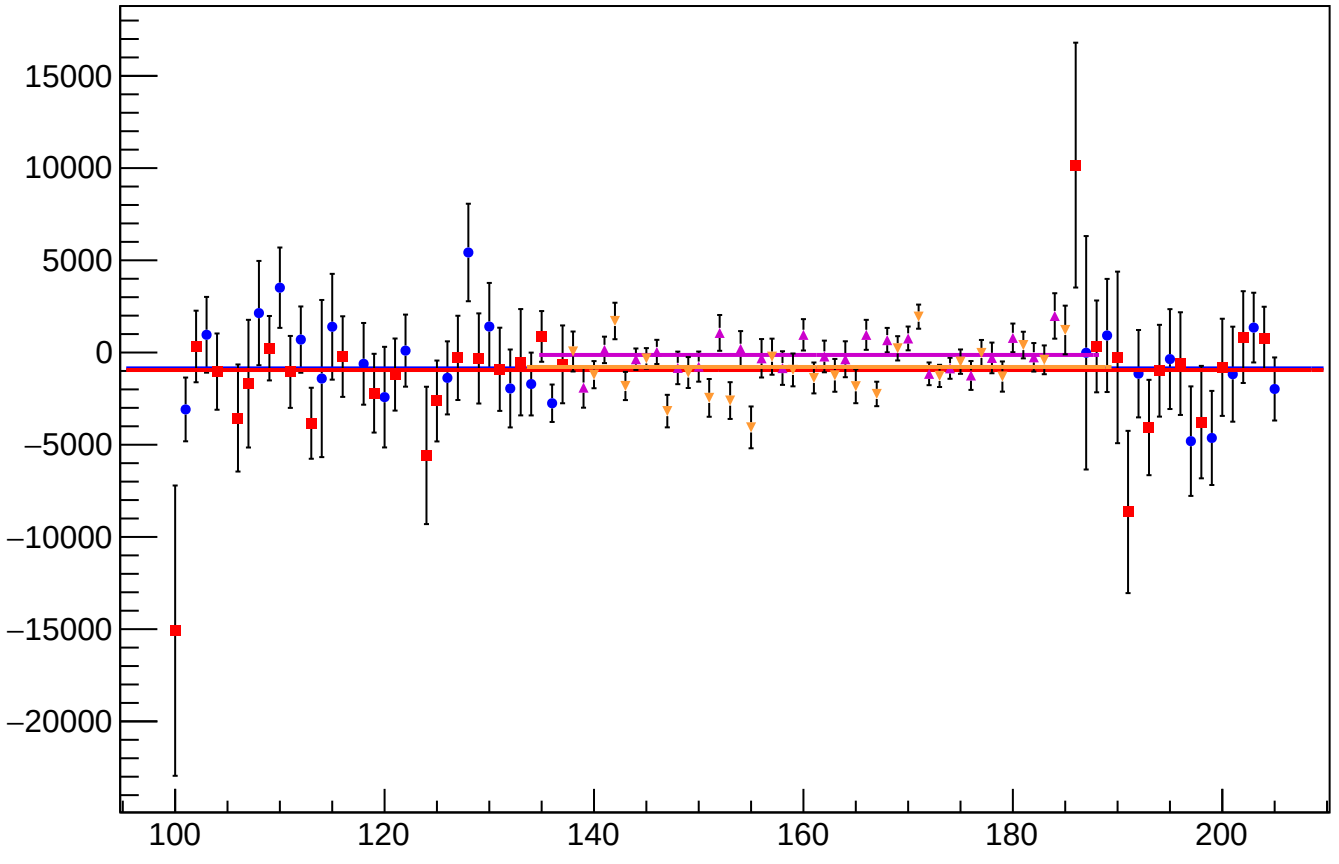
Right Out: 130.968+/-0.026 χ^2/NDF: 3868269.0/29

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 105.286+/-0.014 χ^2/NDF: 5494337.1/49

All: 106.153+/-0.010 χ^2/NDF: 11925744.6/10

- sign 107.059+/-0.014 χ^2/NDF: 6423148.3/52



Right In: -860.794+/-422.749 χ^2/NDF: 26.4/24

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

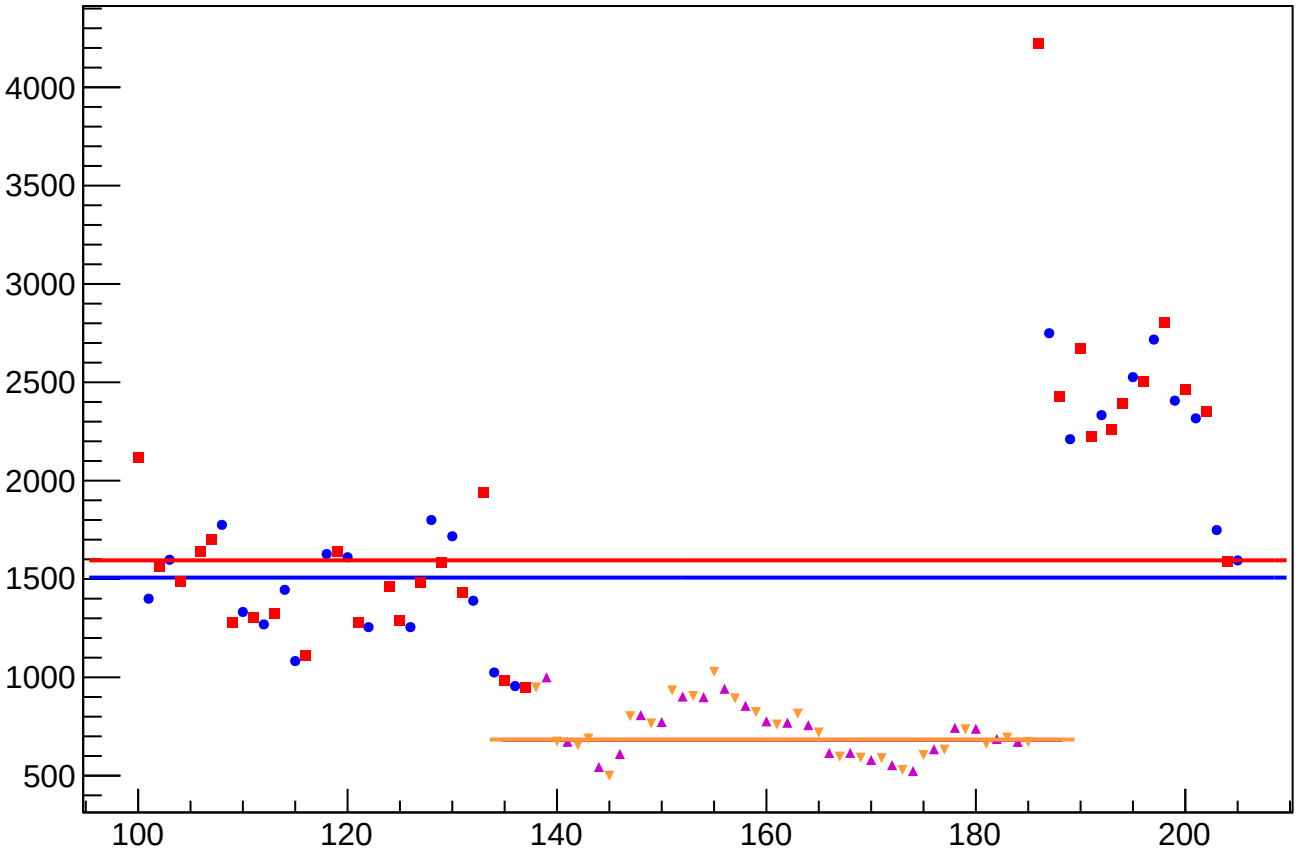
Right Out: -948.816+/-428.348 χ^2/NDF: 21.7/29

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -793.231+/-148.271 χ^2/NDF: 92.7/49

All: -520.361+/-106.090 χ^2/NDF: 148.9/102

- sign -234.121+/-151.860 χ^2/NDF: 49.2/52



Right In: 1507.024+/-0.299 χ^2/NDF: 2518978.8/24

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1594.733+/-0.303 χ^2/NDF: 2941599.2/29

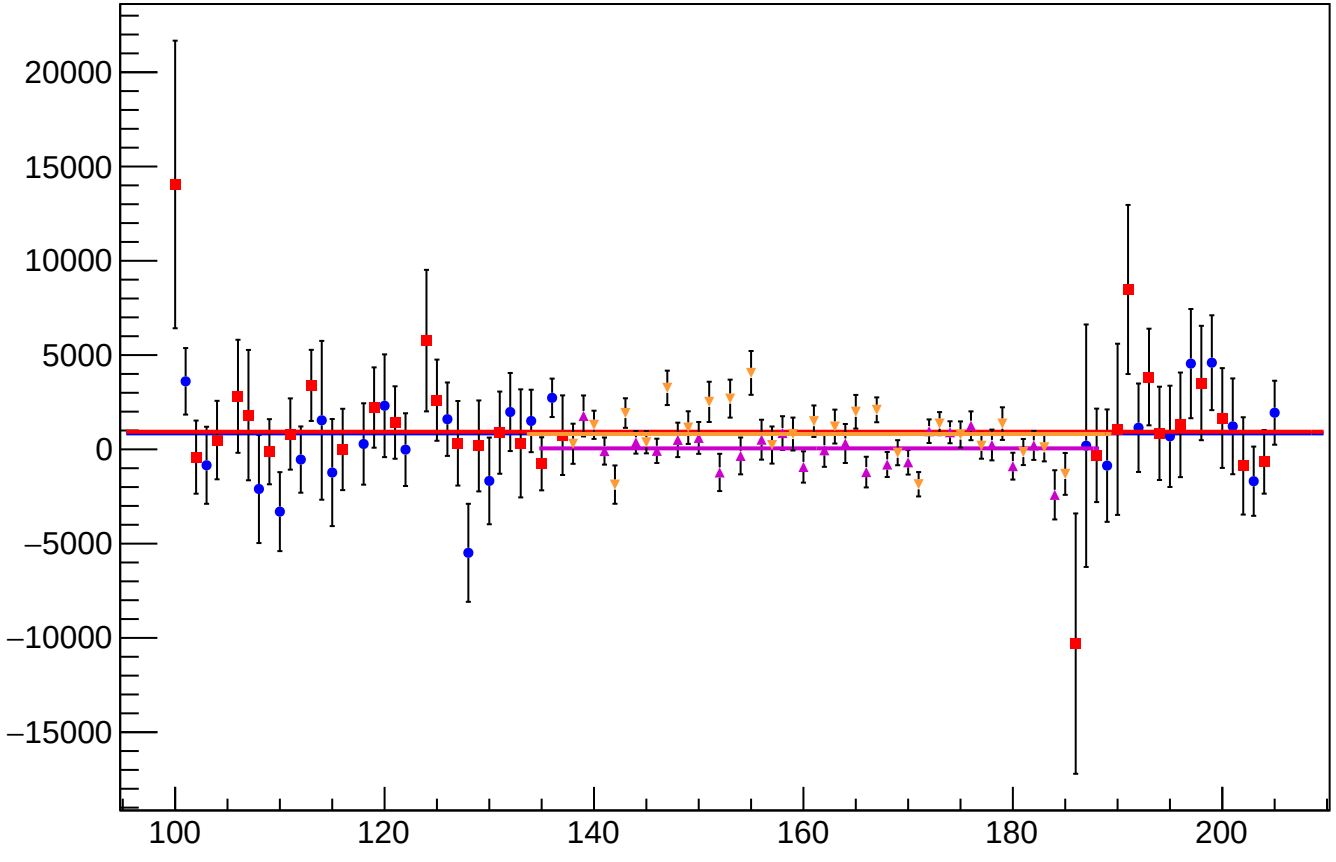
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 784.975+/-0.105 χ^2/NDF: 10469751.2/49

All: 790.690+/-0.075 χ^2/NDF: 22543718.5/10

- sign 796.684+/-0.107 χ^2/NDF: 12067879.9/52

asym_sam_2468_avg_mean vs Slug



Right In: 847.233+/-417.800 χ^2/NDF: 27.6/24

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 934.535+/-425.933 χ^2/NDF: 19.8/29

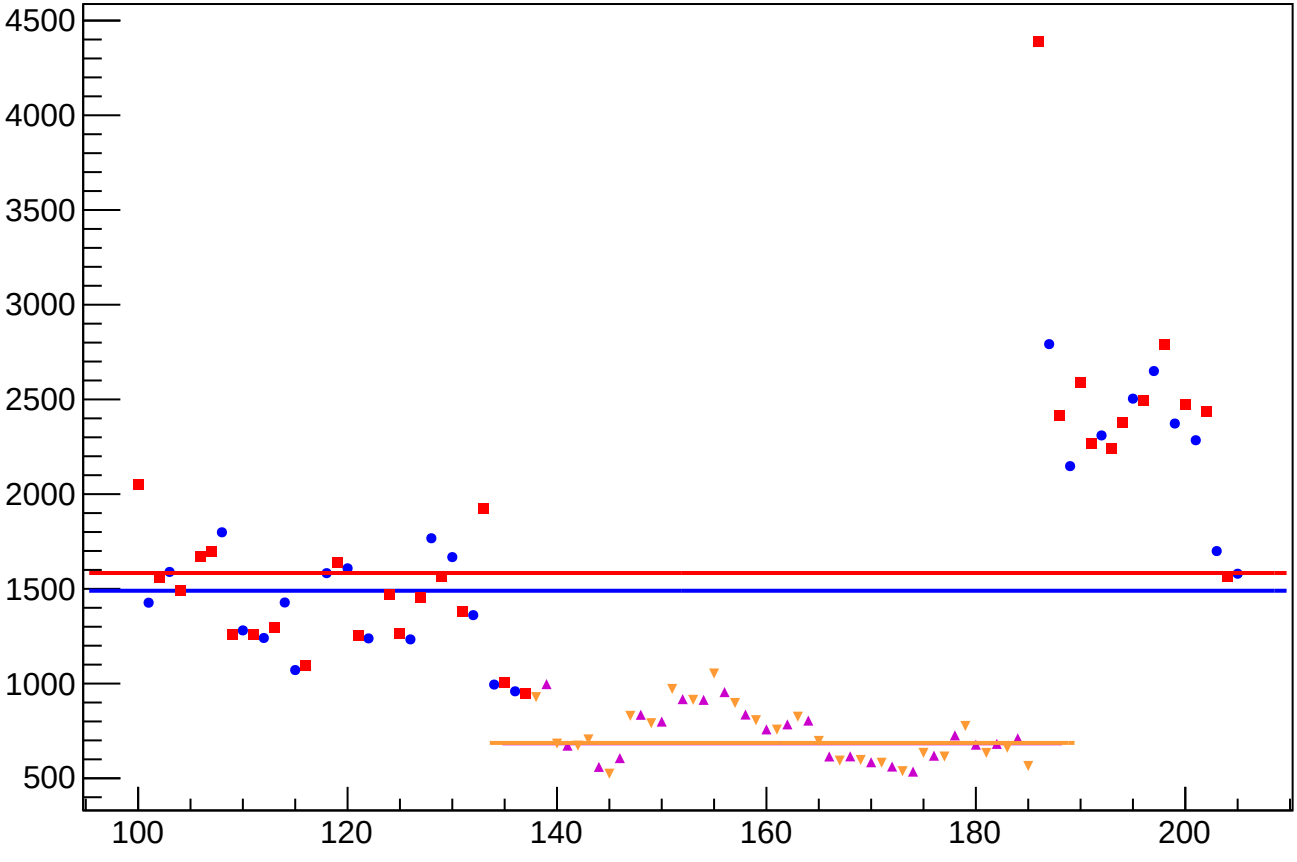
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 818.275+/-148.812 χ^2/NDF: 93.4/49

All: 499.141+/-106.425 χ^2/NDF: 151.7/102

- sign 165.034+/-152.262 χ^2/NDF: 48.9/52

asym_sam_2468_avg_rms vs Slug



Right In: 1490.018+/-0.295 χ^2/NDF: 2478286.0/24

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

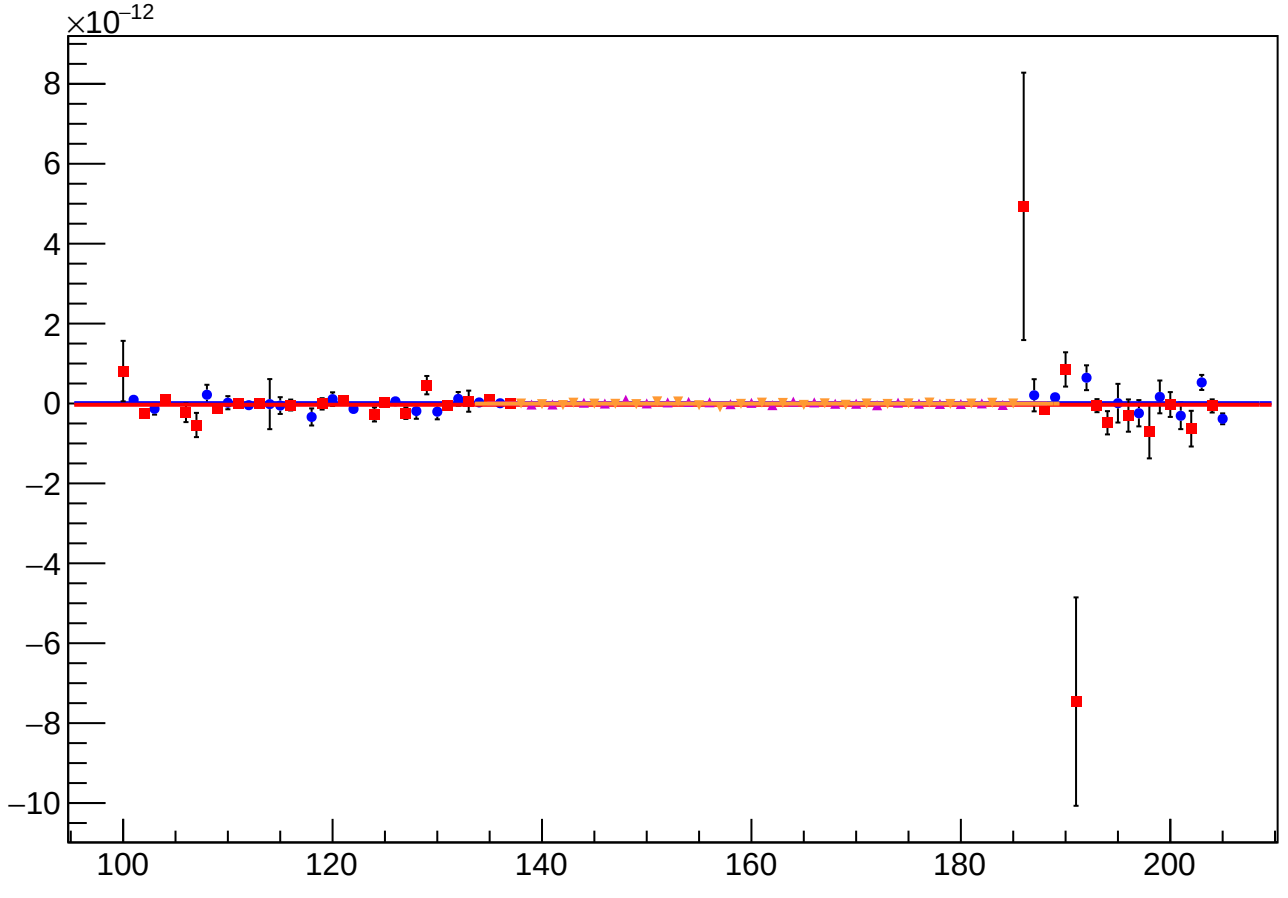
Right Out: 1583.728+/-0.301 χ^2/NDF: 2983493.9/29

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 788.612+/-0.105 χ^2/NDF: 10246326.1/49

All: 794.001+/-0.075 χ^2/NDF: 22170966.2/10

- sign 799.644+/-0.108 χ^2/NDF: 11919270.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 34.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

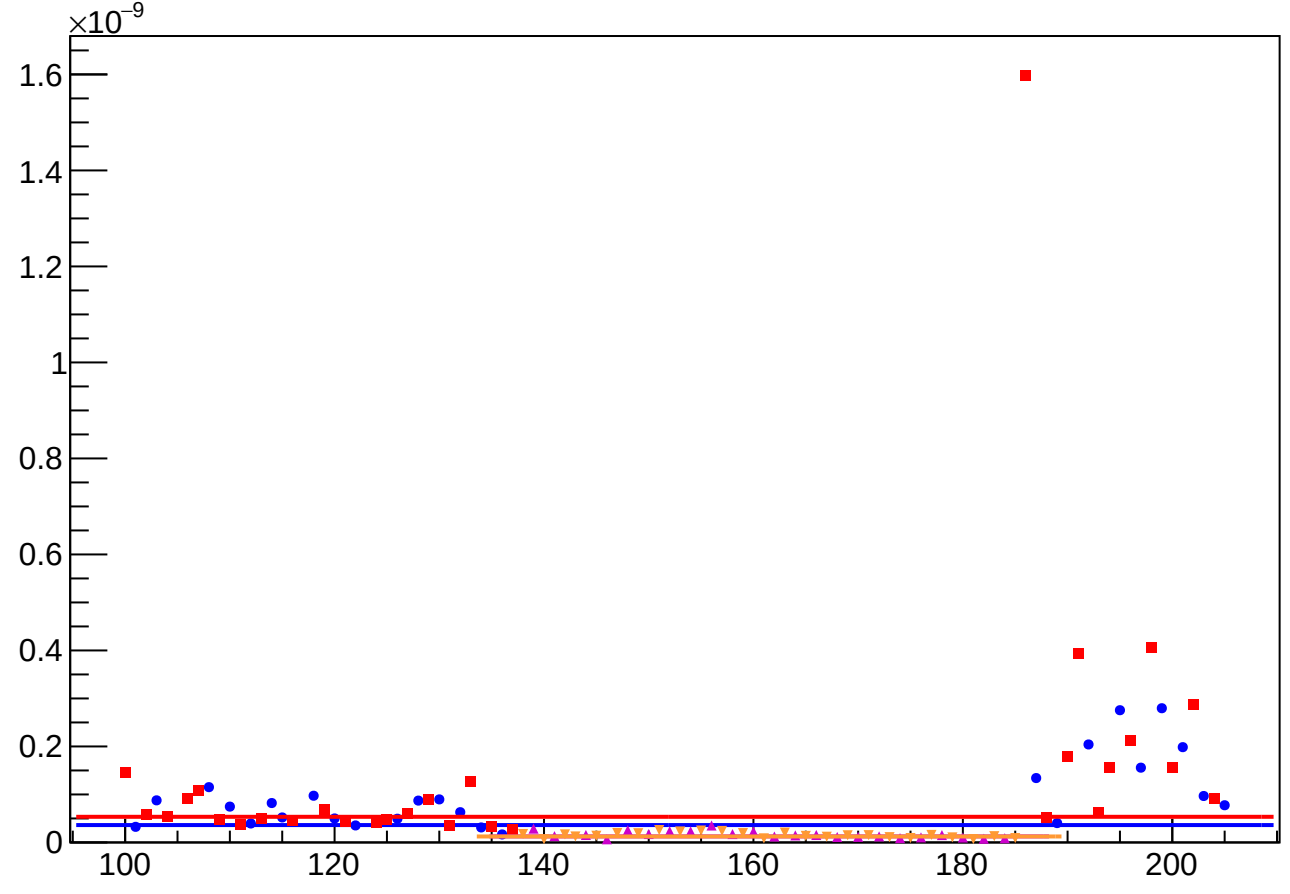
Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/49

All: -0.000+/-0.000 χ^2/NDF: 119.5/102

- sign -0.000+/-0.000 χ^2/NDF: 67.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 5059828.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

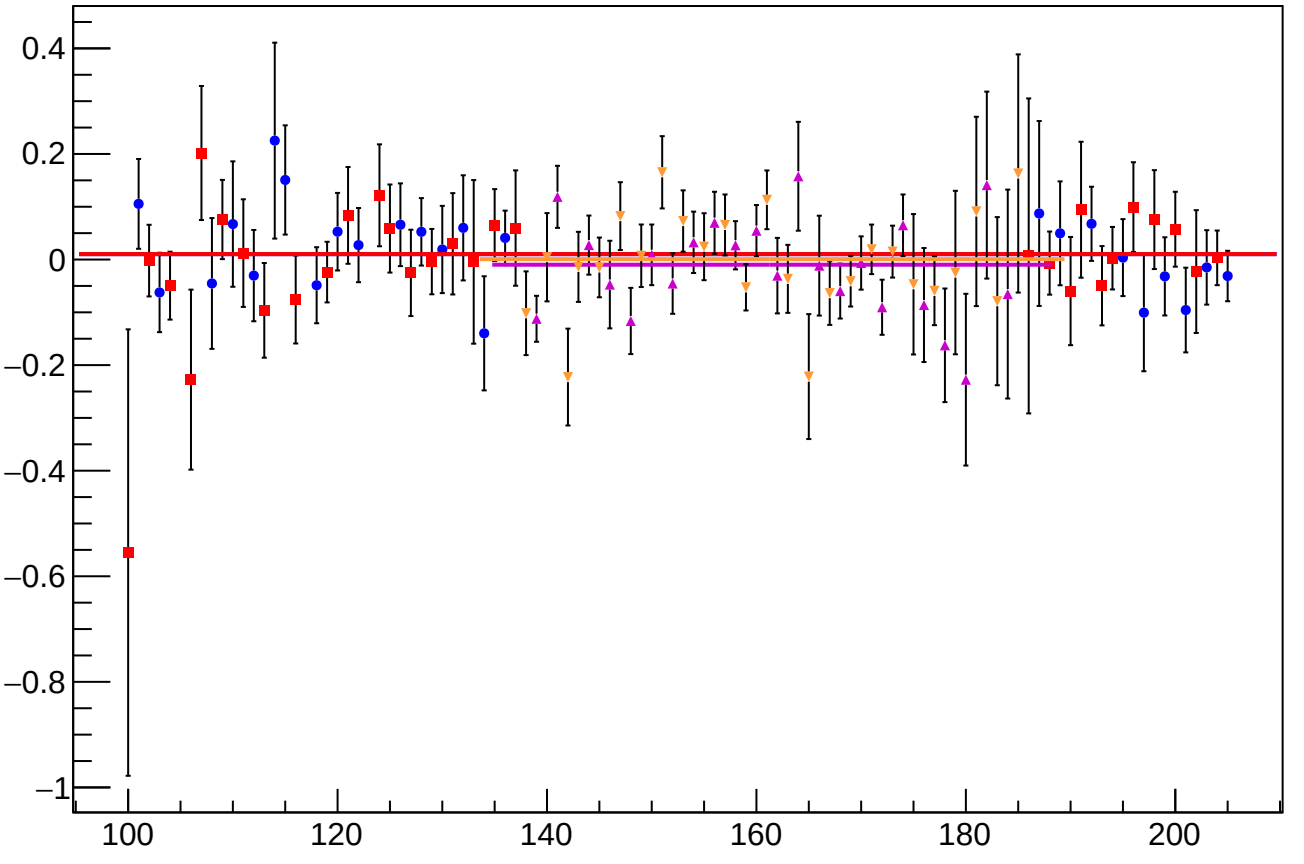
Right Out: 0.000+/-0.000 χ^2/NDF: 3441406.3/29

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9283234.3/49

All: 0.000+/-0.000 χ^2/NDF: 19297885.4/102

- sign 0.000+/-0.000 χ^2/NDF: 10009282.1/52



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

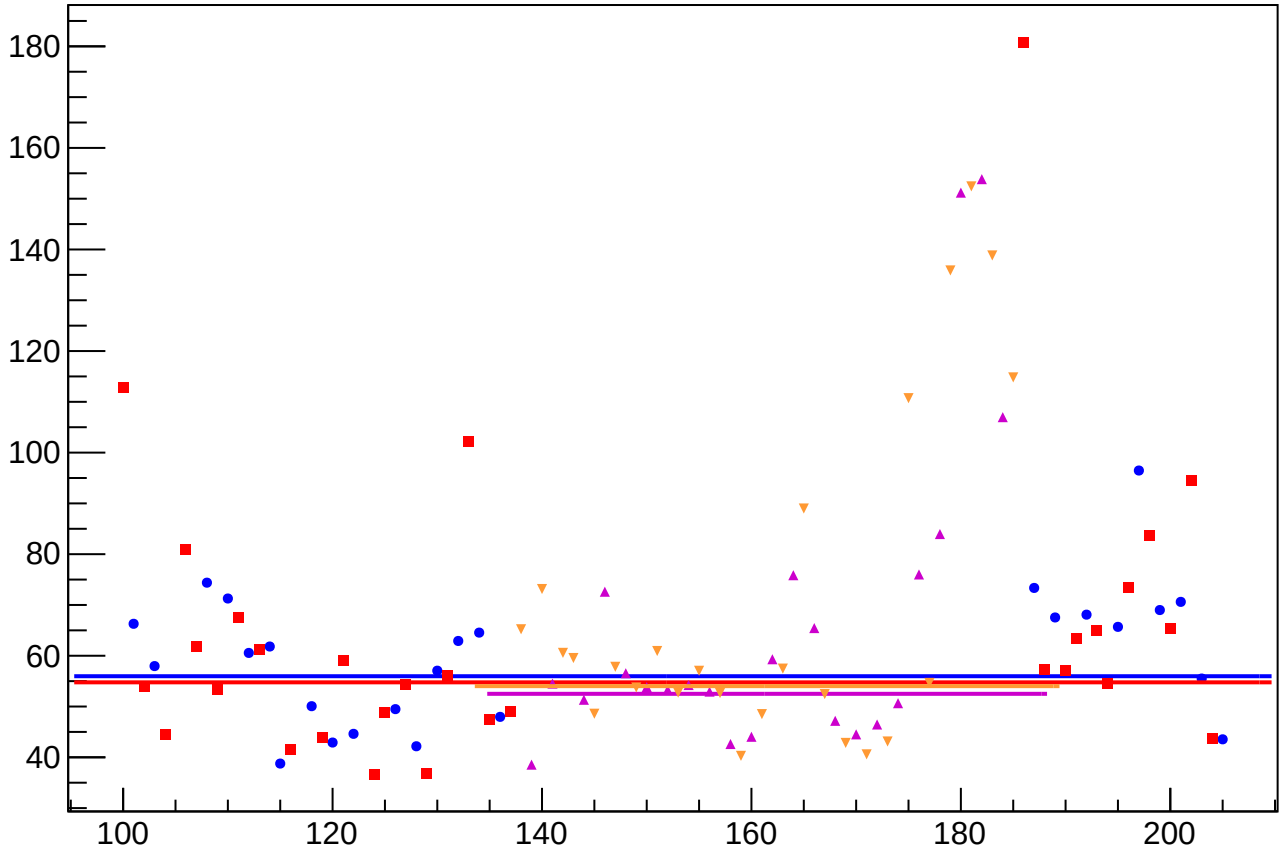
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.2/102

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

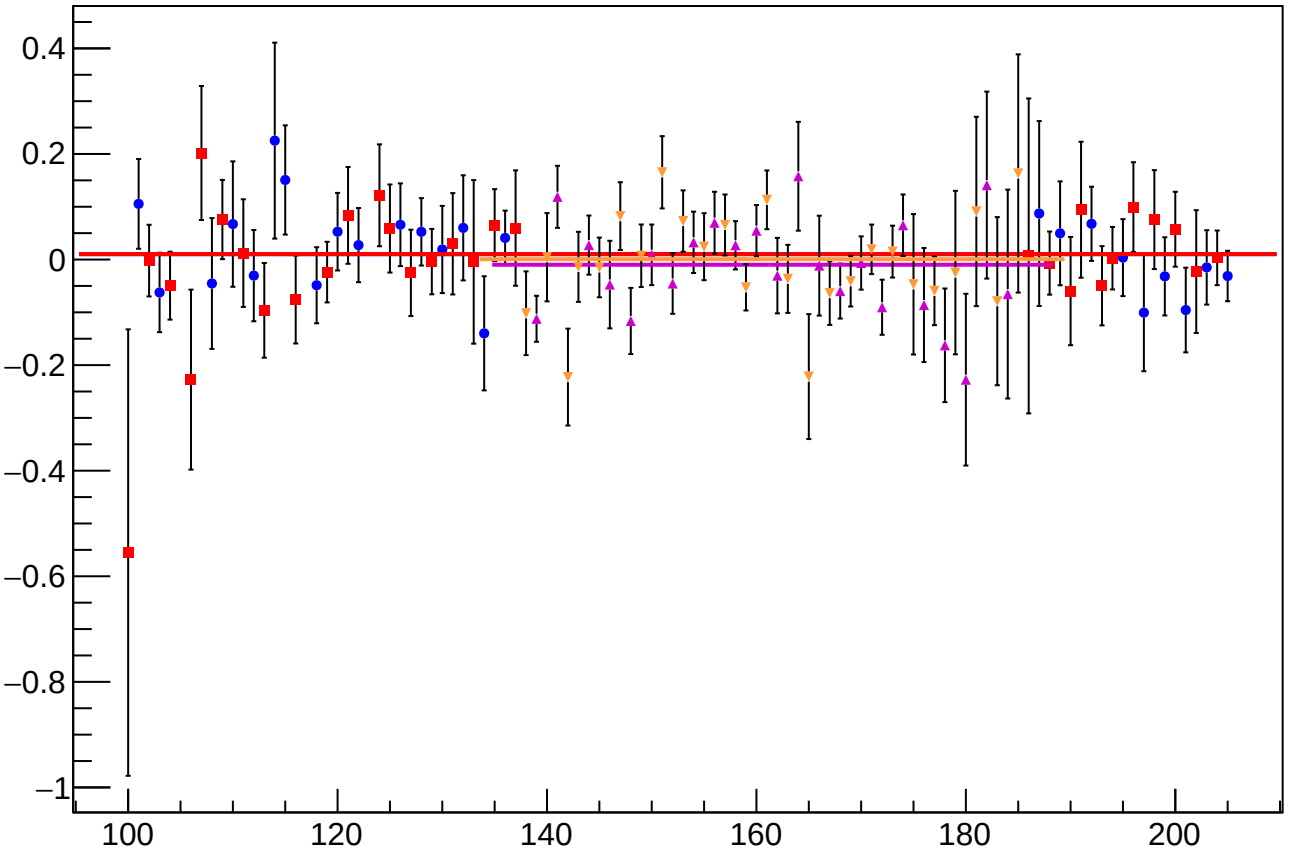
Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

\+ sign 54.818+/-0.007 χ^2/NDF: 4395809.2/49

All: 54.138+/-0.005 χ^2/NDF: 8834654.2/102

\- sign 53.490+/-0.007 χ^2/NDF: 4421352.2/52



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

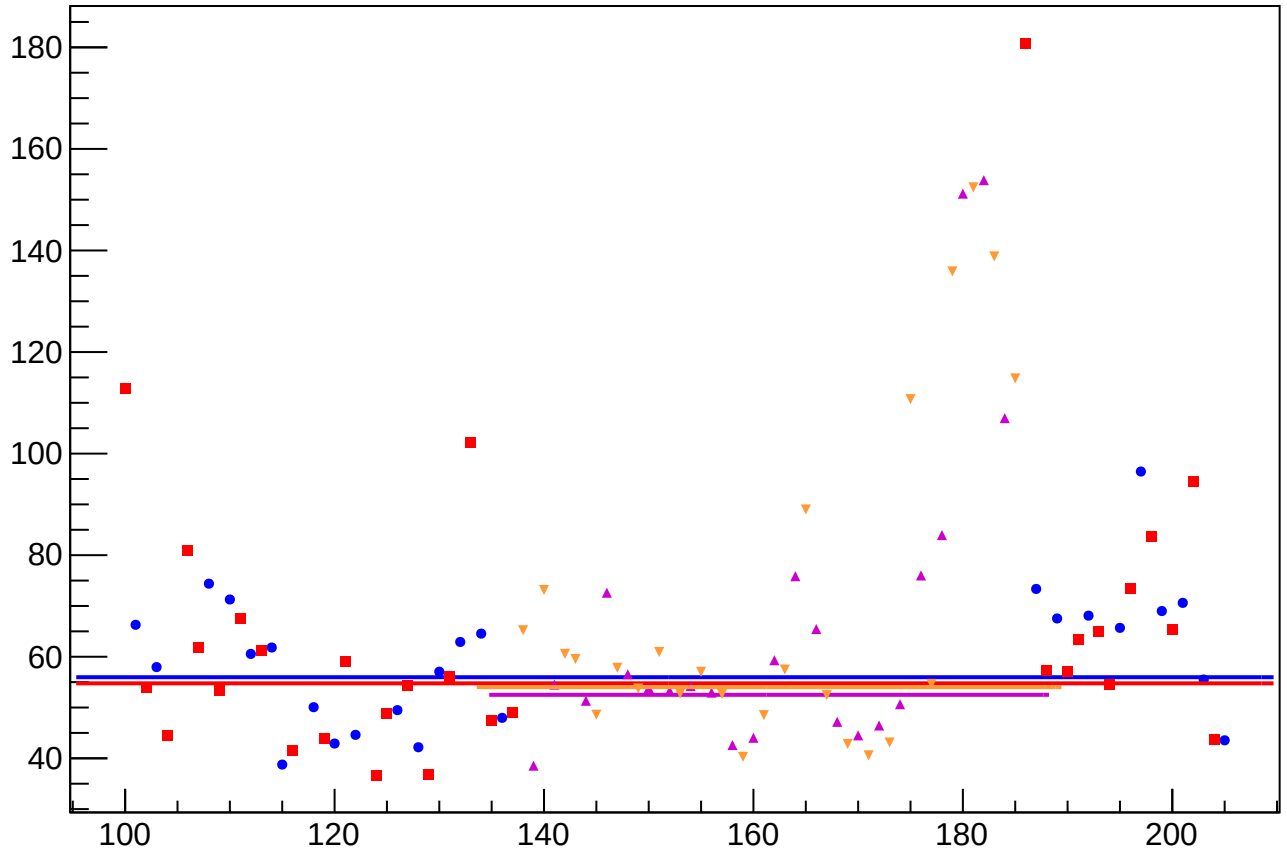
Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.2/102

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

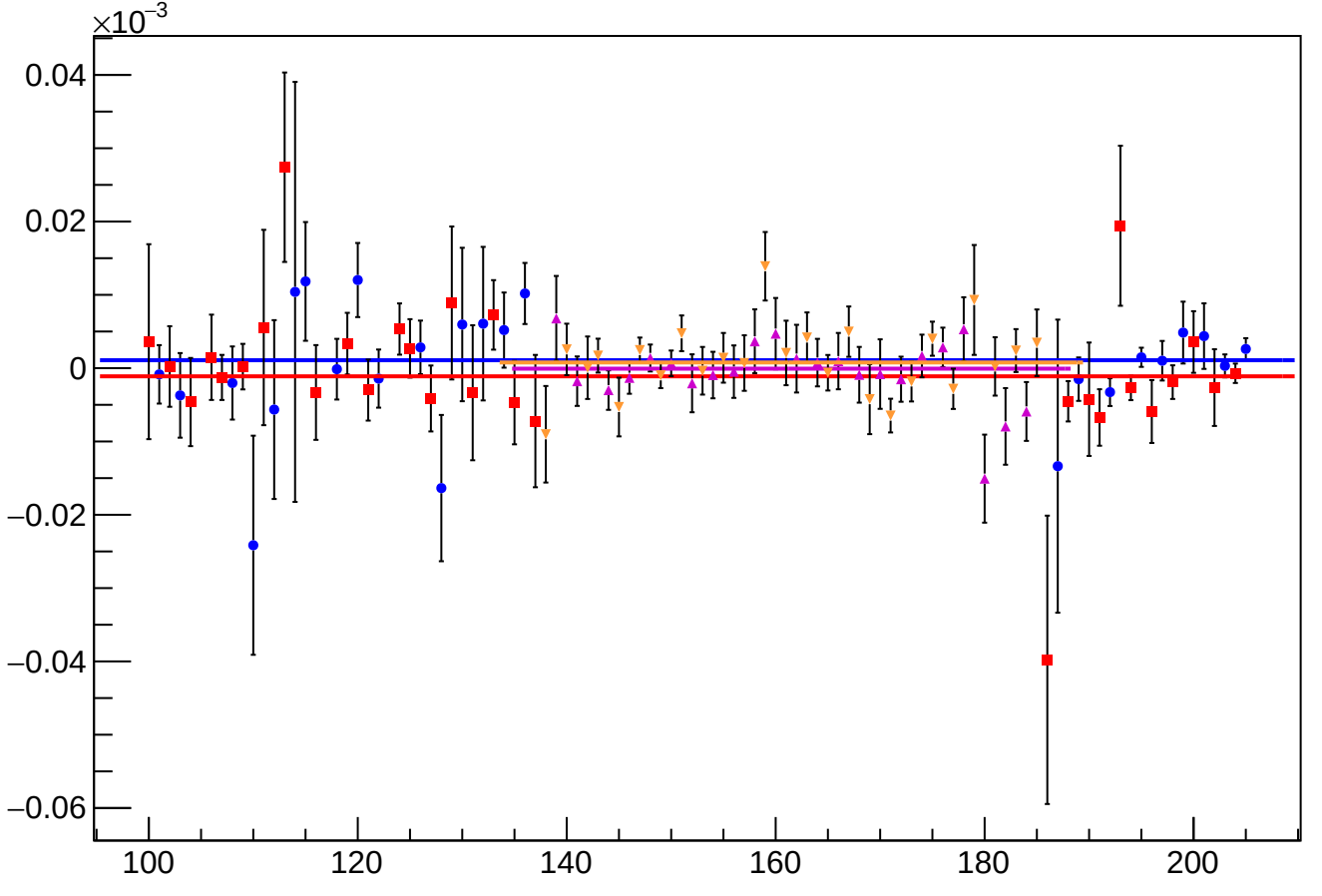
Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.818+/-0.007 χ^2/NDF: 4395809.2/49

All: 54.138+/-0.005 χ^2/NDF: 8834654.2/102

- sign 53.490+/-0.007 χ^2/NDF: 4421352.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

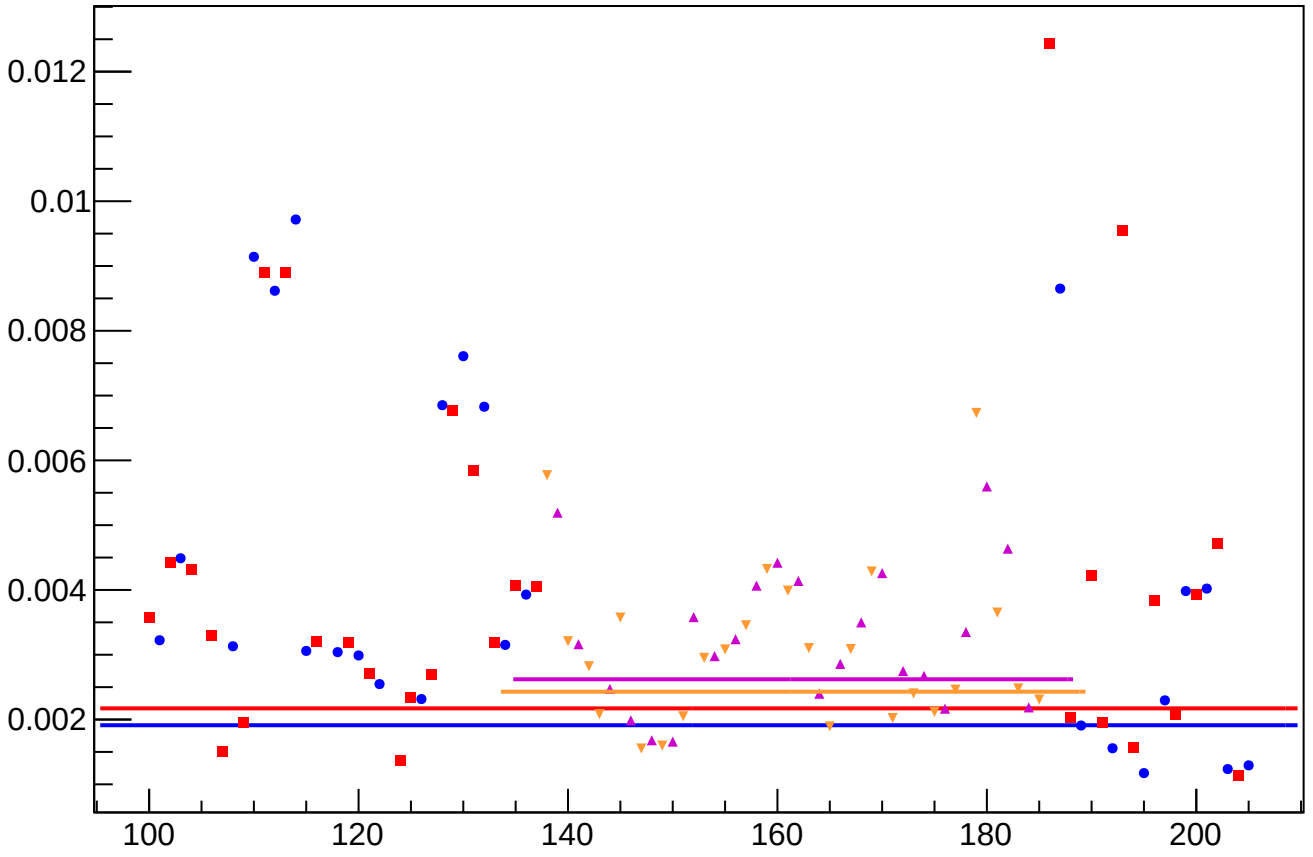
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/29

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/49

All: 0.000+/-0.000 χ^2/NDF: 127.4/102

- sign -0.000+/-0.000 χ^2/NDF: 53.6/52



Right In: 0.002+/-0.000 χ^2/NDF: 7050738.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

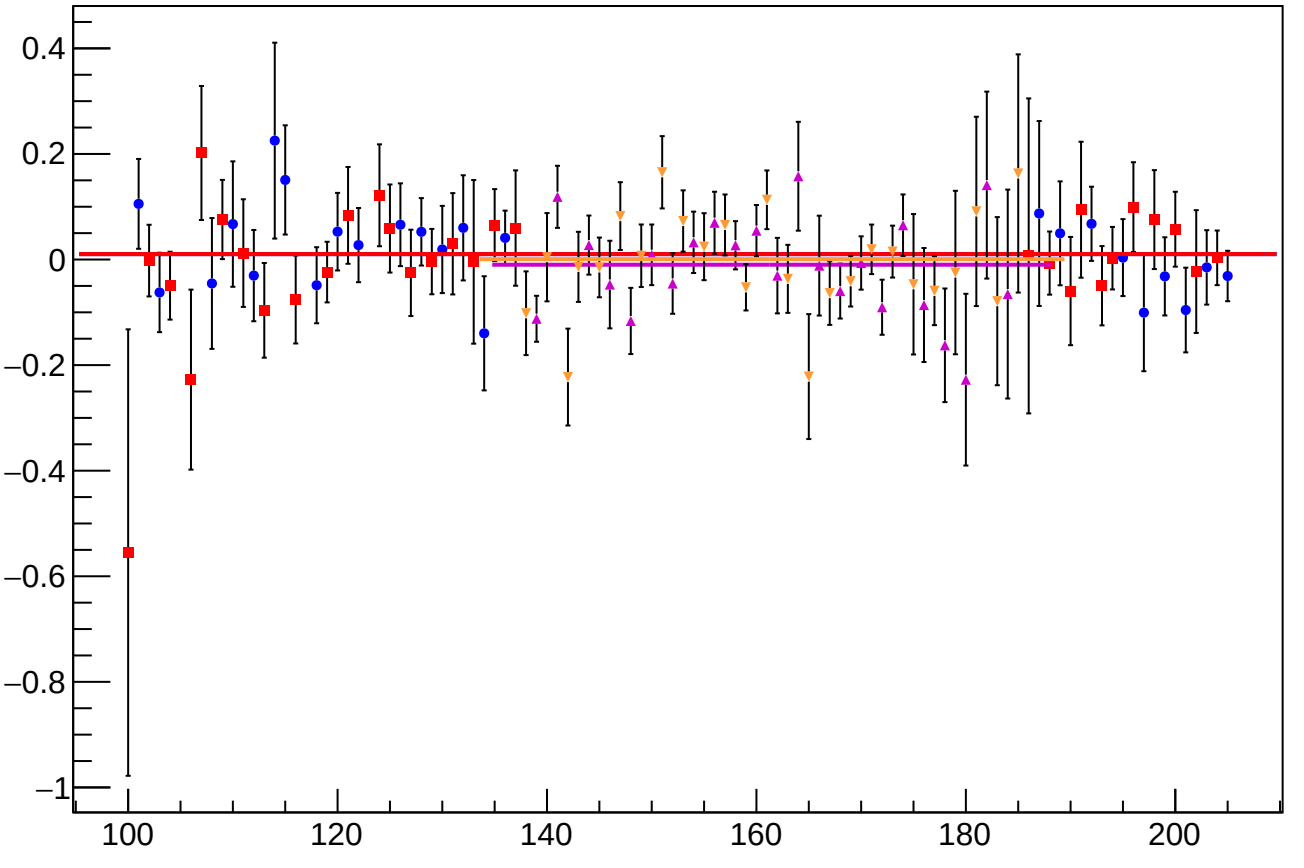
Right Out: 0.002+/-0.000 χ^2/NDF: 7528828.0/29

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12001831.4/49

All: 0.002+/-0.000 χ^2/NDF: 24175289.1/102

- sign 0.002+/-0.000 χ^2/NDF: 11942548.0/52



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

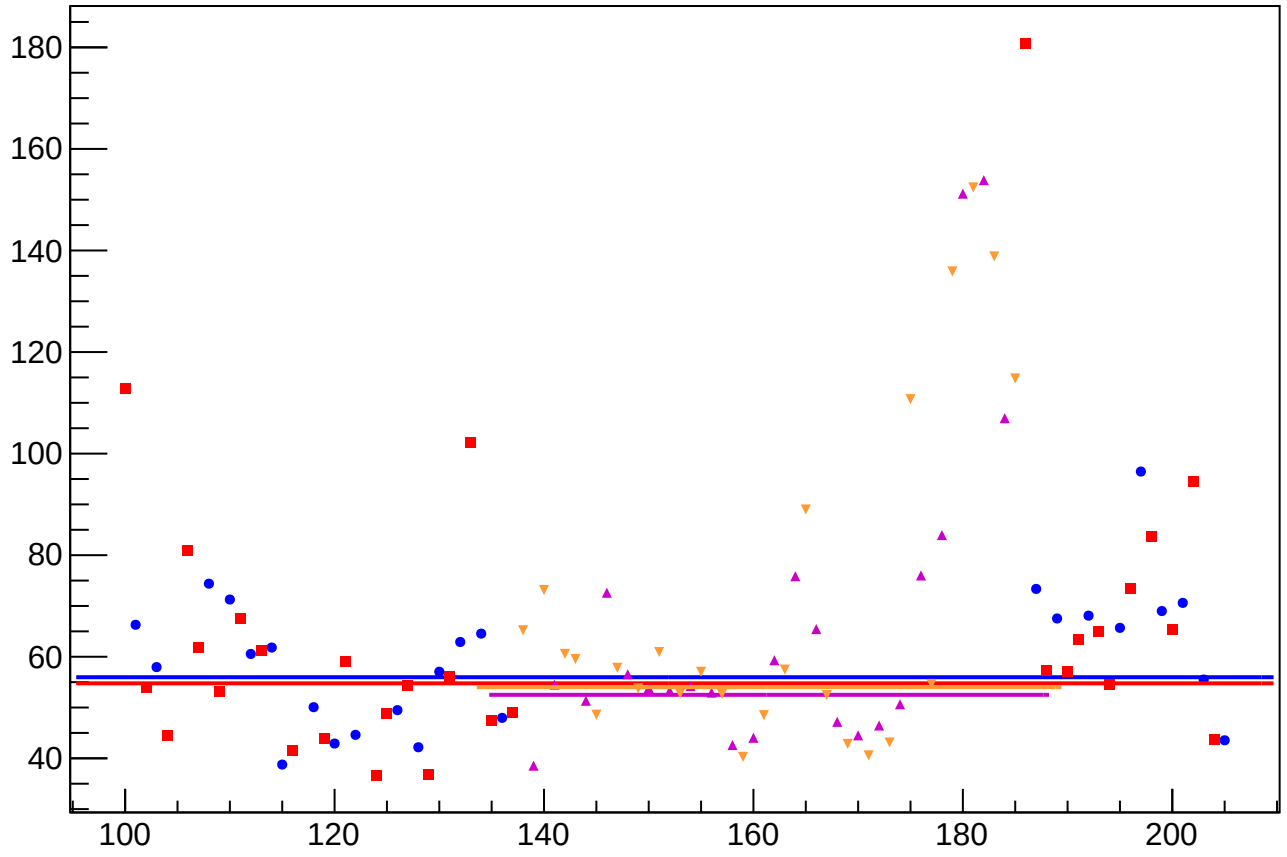
Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.2/102

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

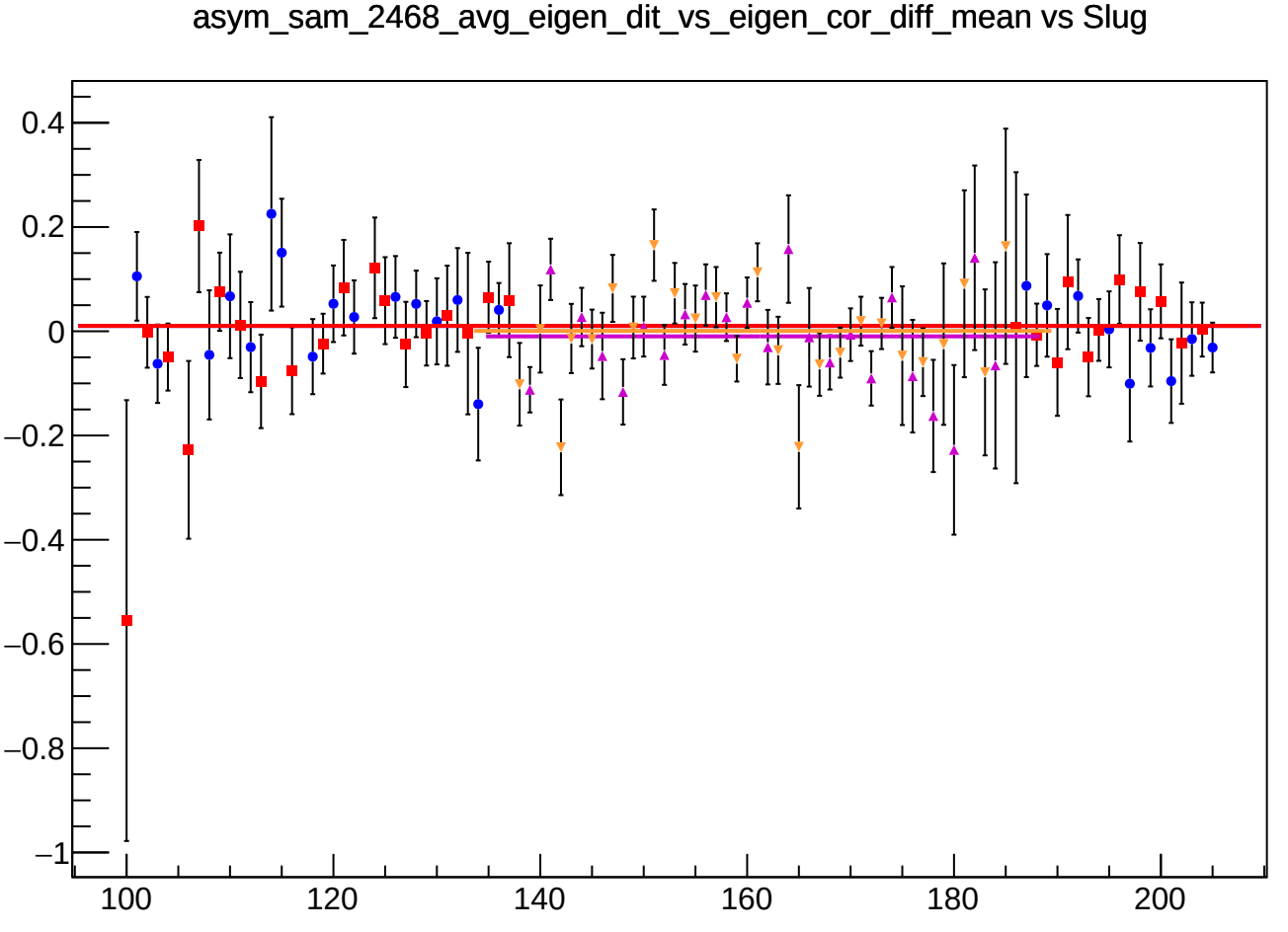
Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.818+/-0.007 χ^2/NDF: 4395791.6/49

All: 54.138+/-0.005 χ^2/NDF: 8834726.1/102

- sign 53.490+/-0.007 χ^2/NDF: 4421441.1/52



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

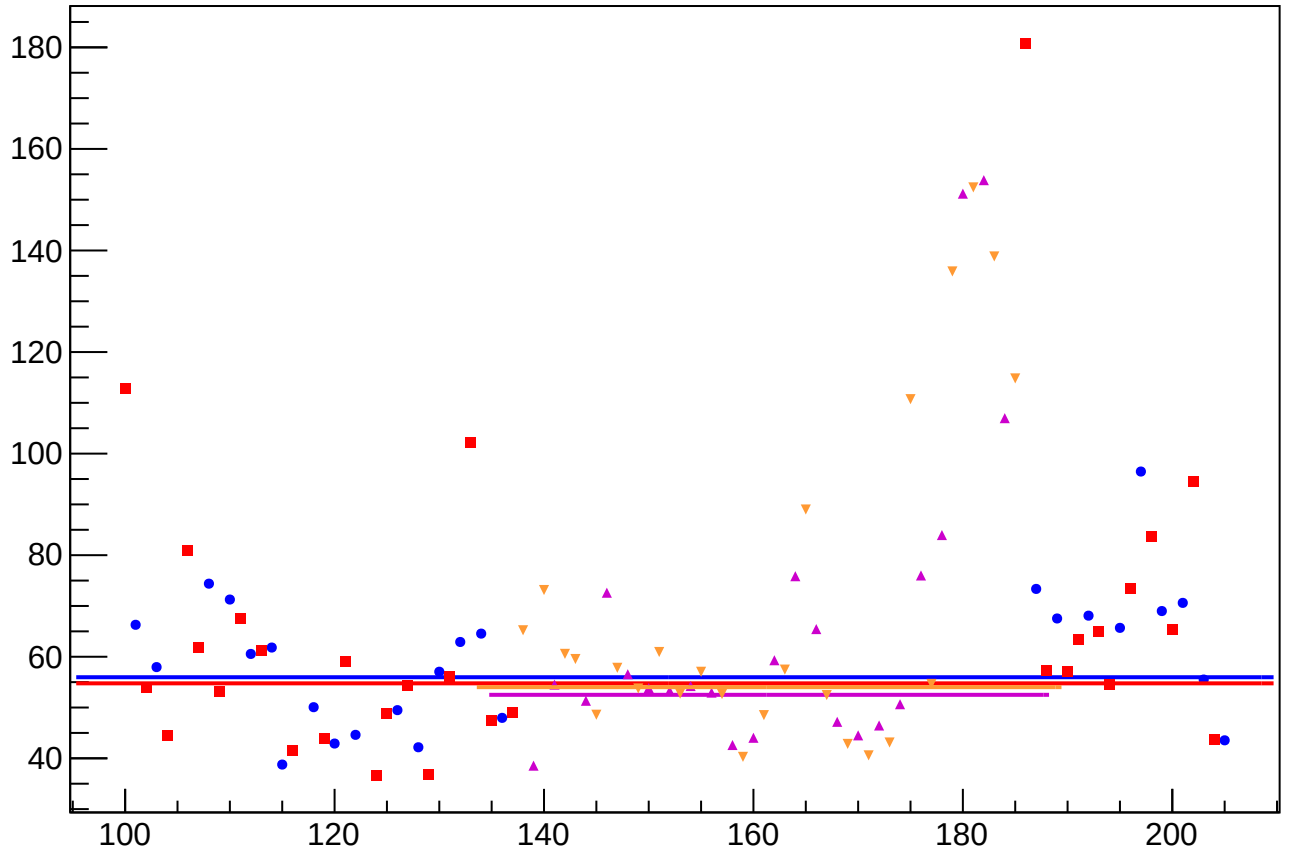
Right Out: 0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.2/102

- sign -0.001+/-0.010 χ^2/NDF: 50.6/52



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

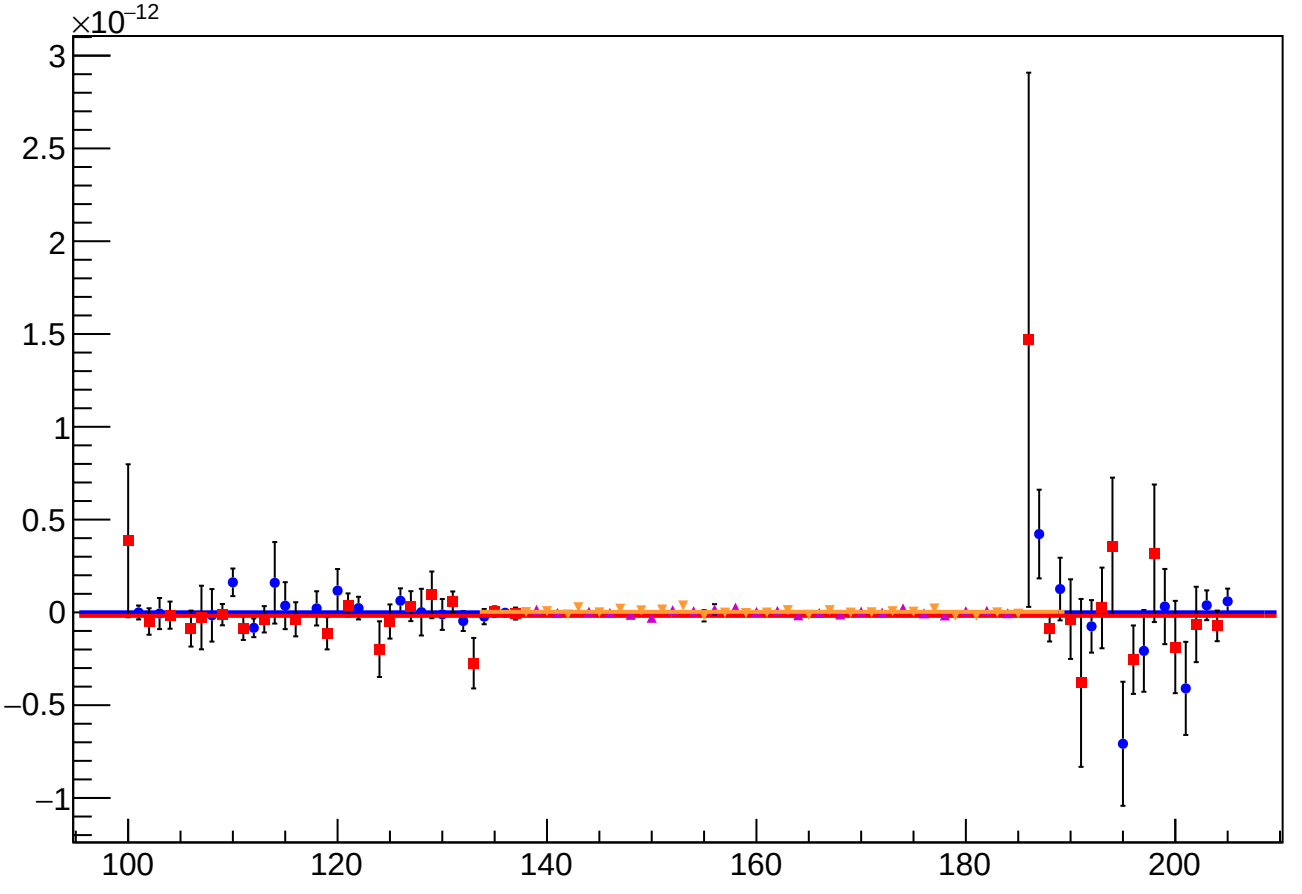
Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.818+/-0.007 χ^2/NDF: 4395791.6/49

All: 54.138+/-0.005 χ^2/NDF: 8834726.1/102

- sign 53.490+/-0.007 χ^2/NDF: 4421441.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

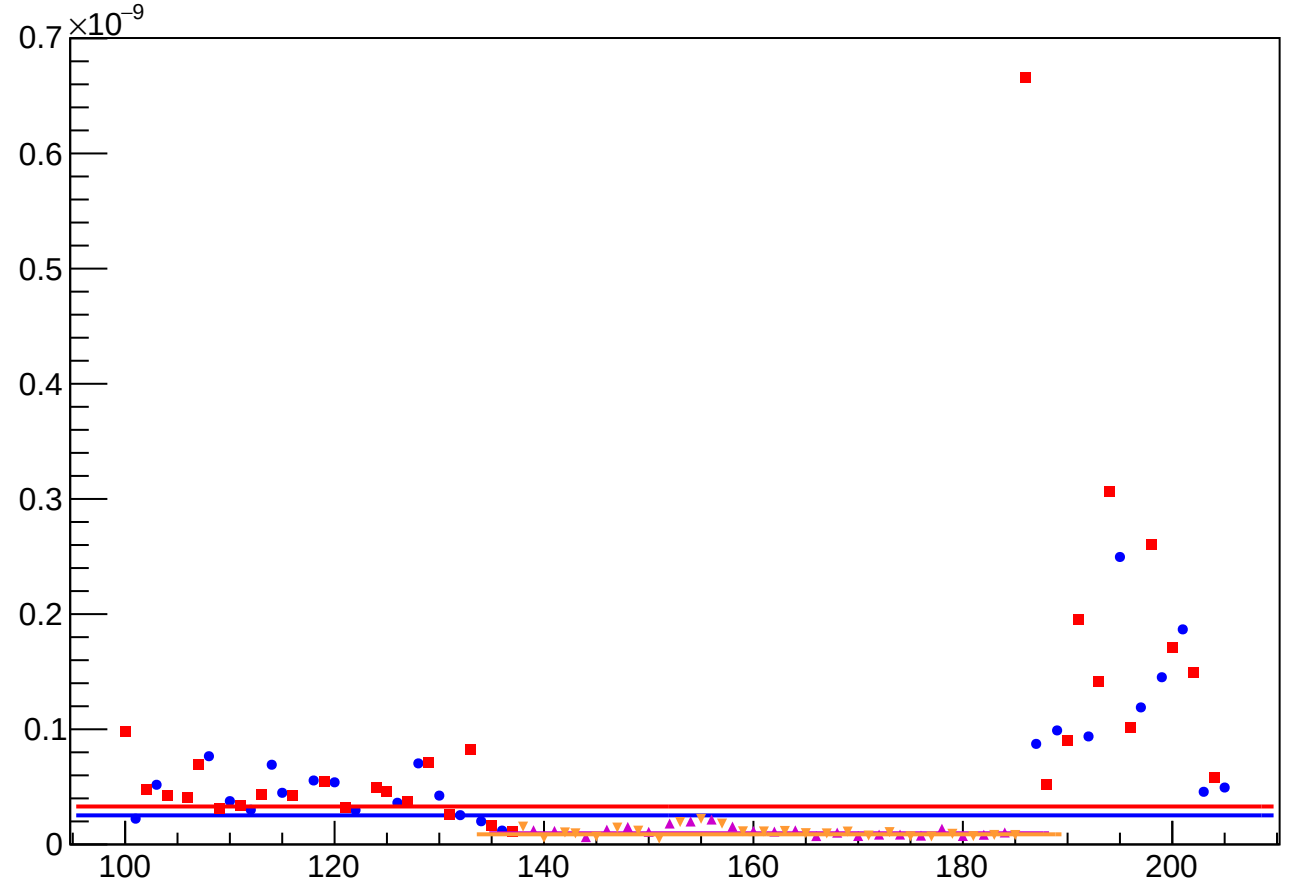
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/29

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/49

All: 0.000+/-0.000 χ^2/NDF: 84.7/102

- sign 0.000+/-0.000 χ^2/NDF: 38.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 6860186.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7604361.3/29

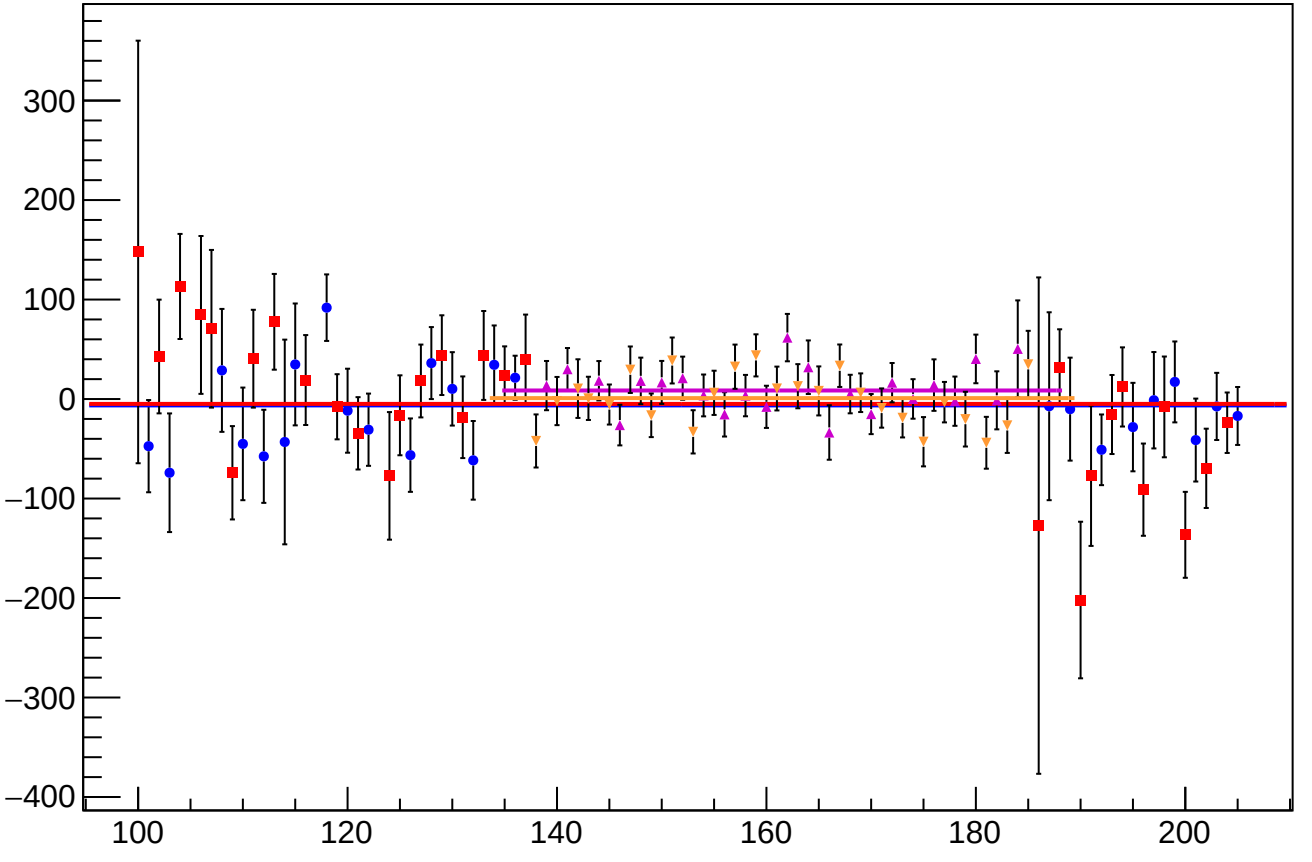
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13234236.6/49

All: 0.000+/-0.000 χ^2/NDF: 28726714.8/102

- sign 0.000+/-0.000 χ^2/NDF: 15336280.4/52

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.395+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -4.885+/-8.185 χ^2/NDF: 46.4/29

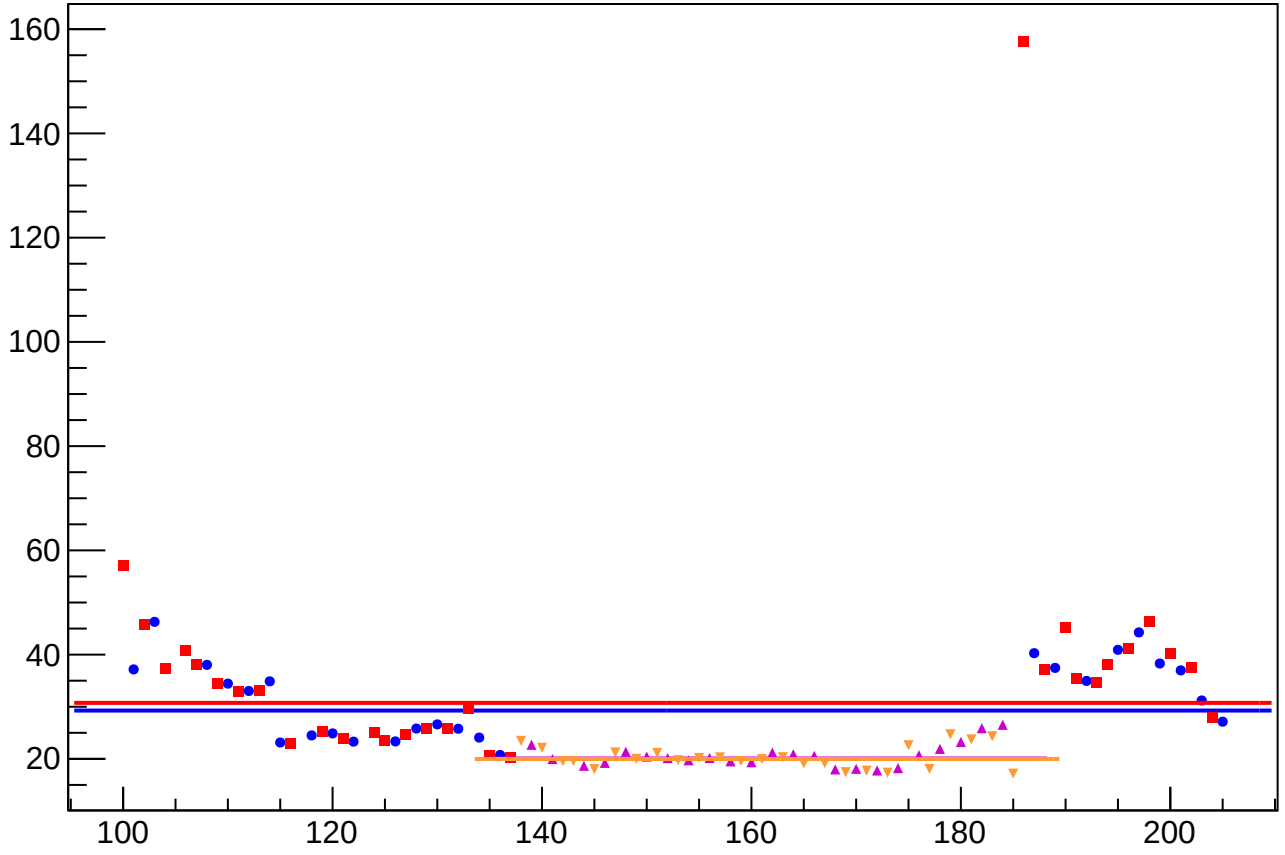
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.861+/-3.979 χ^2/NDF: 54.6/49

All: 2.101+/-2.853 χ^2/NDF: 123.5/102

- sign 5.231+/-4.091 χ^2/NDF: 67.8/52

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.271+/-0.006 χ^2/NDF: 1501054.9/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

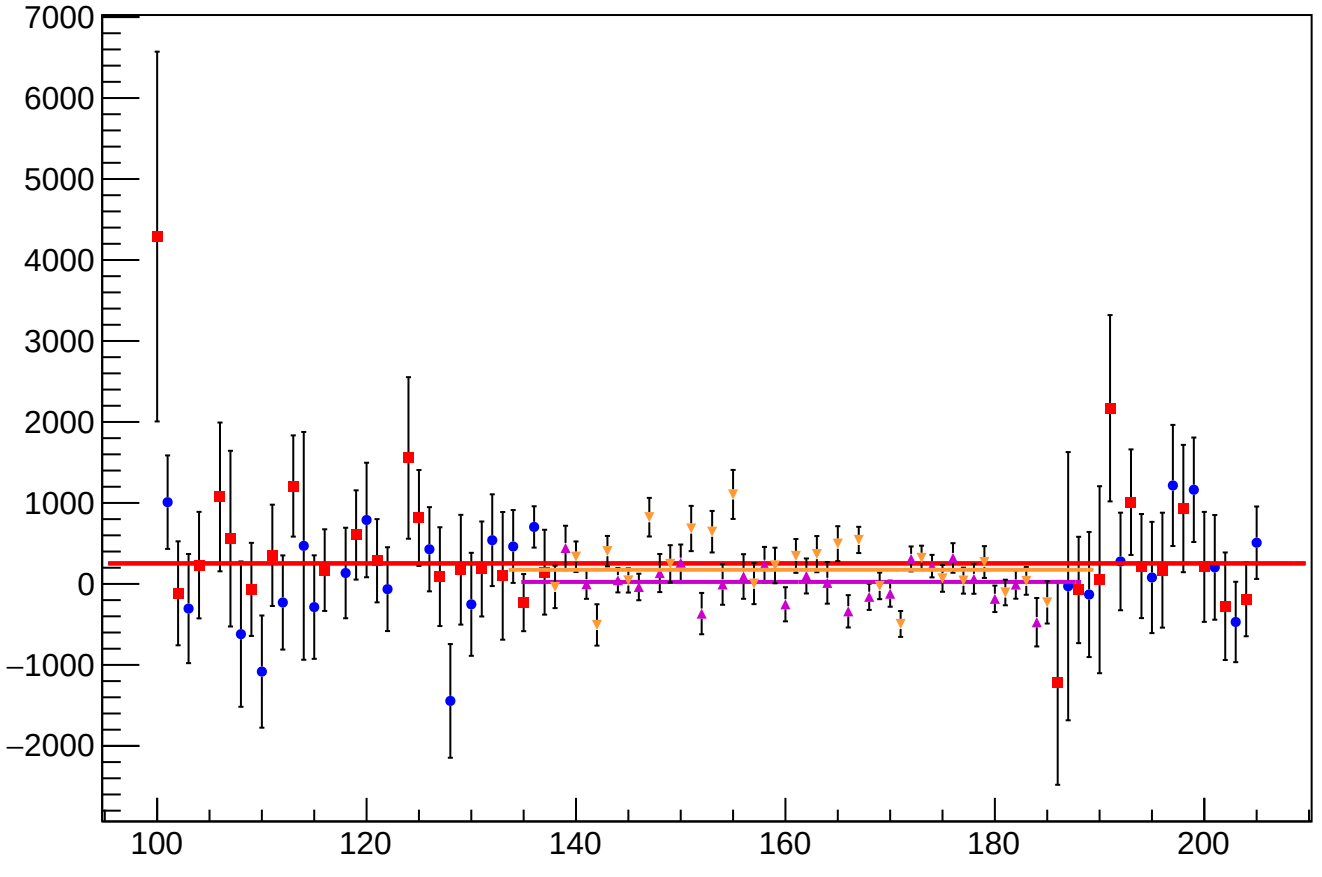
Right Out: 30.747+/-0.006 χ^2/NDF: 2202962.0/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.230+/-0.003 χ^2/NDF: 3899034.7/49

All: 22.478+/-0.002 χ^2/NDF: 8971396.9/102

- sign 22.739+/-0.003 χ^2/NDF: 5056441.9/52



Right In: 252.258+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

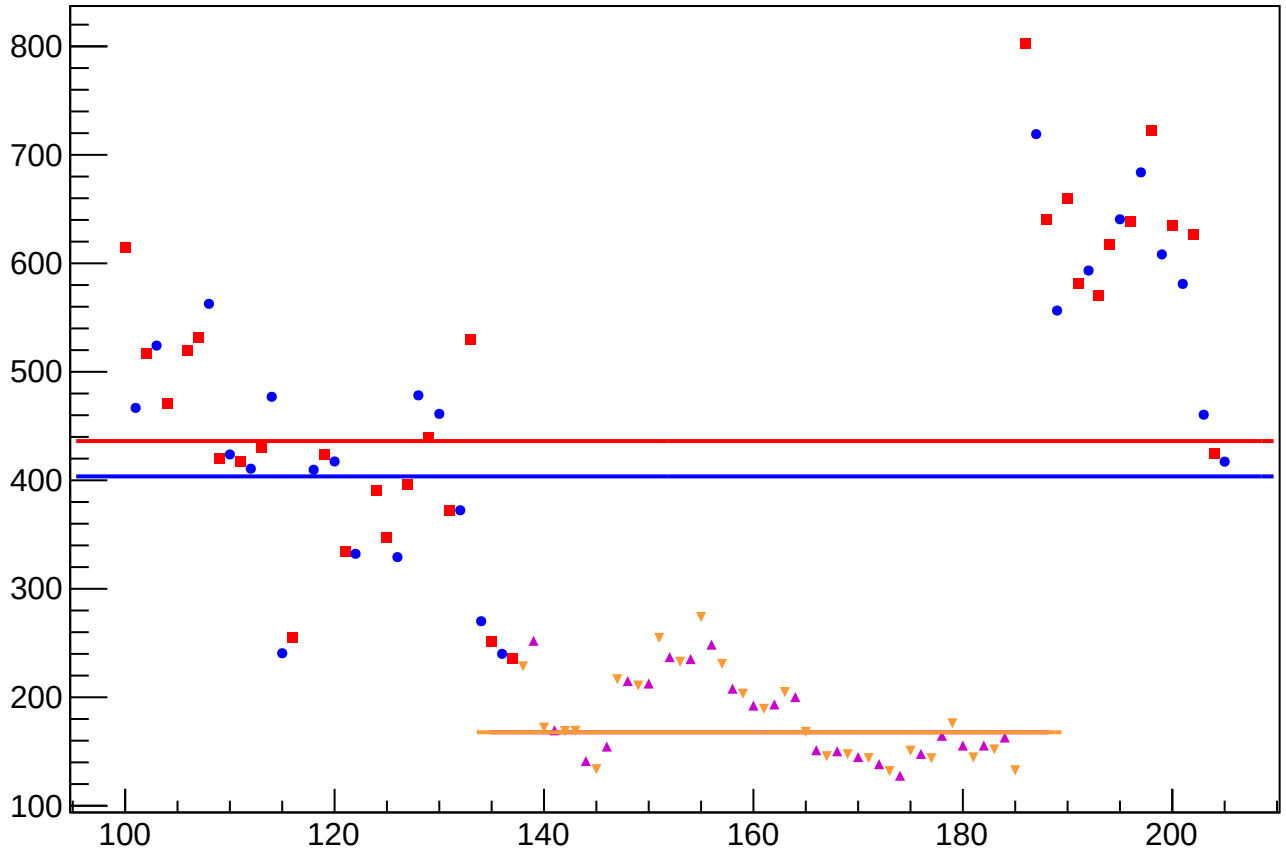
Right Out: 255.431+/-116.974 χ^2/NDF: 20.2/29

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 182.893+/-36.927 χ^2/NDF: 97.7/49

All: 117.619+/-26.451 χ^2/NDF: 154.8/102

- sign 48.832+/-37.908 χ^2/NDF: 50.6/52



Right In: 403.599+/-0.080 χ^2/NDF: 2659166.8/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 436.181+/-0.083 χ^2/NDF: 2851331.5/29

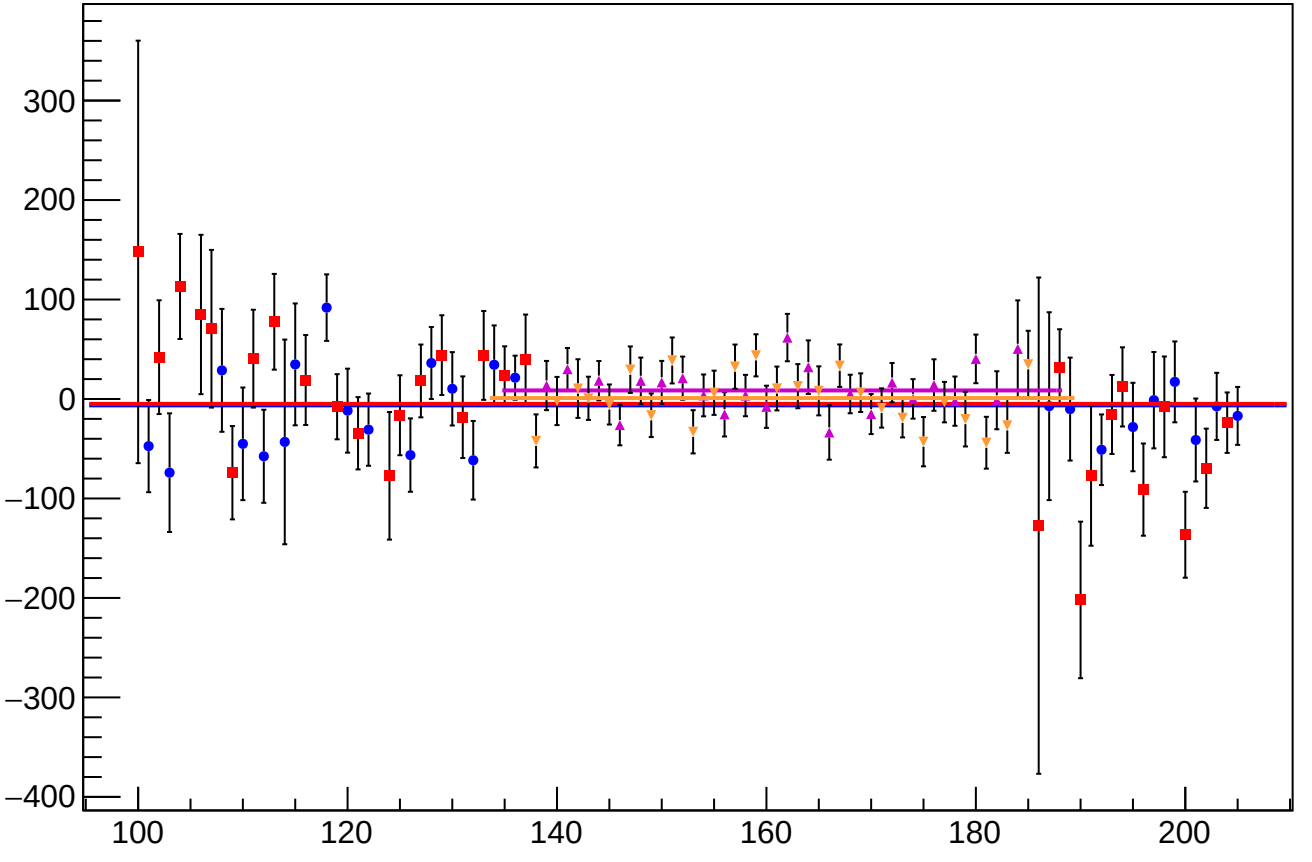
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 192.690+/-0.026 χ^2/NDF: 11950916.7/49

All: 194.272+/-0.019 χ^2/NDF: 25638987.0/10

- sign 195.939+/-0.027 χ^2/NDF: 13680530.1/52

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -4.913+/-8.186 χ^2/NDF: 46.3/29

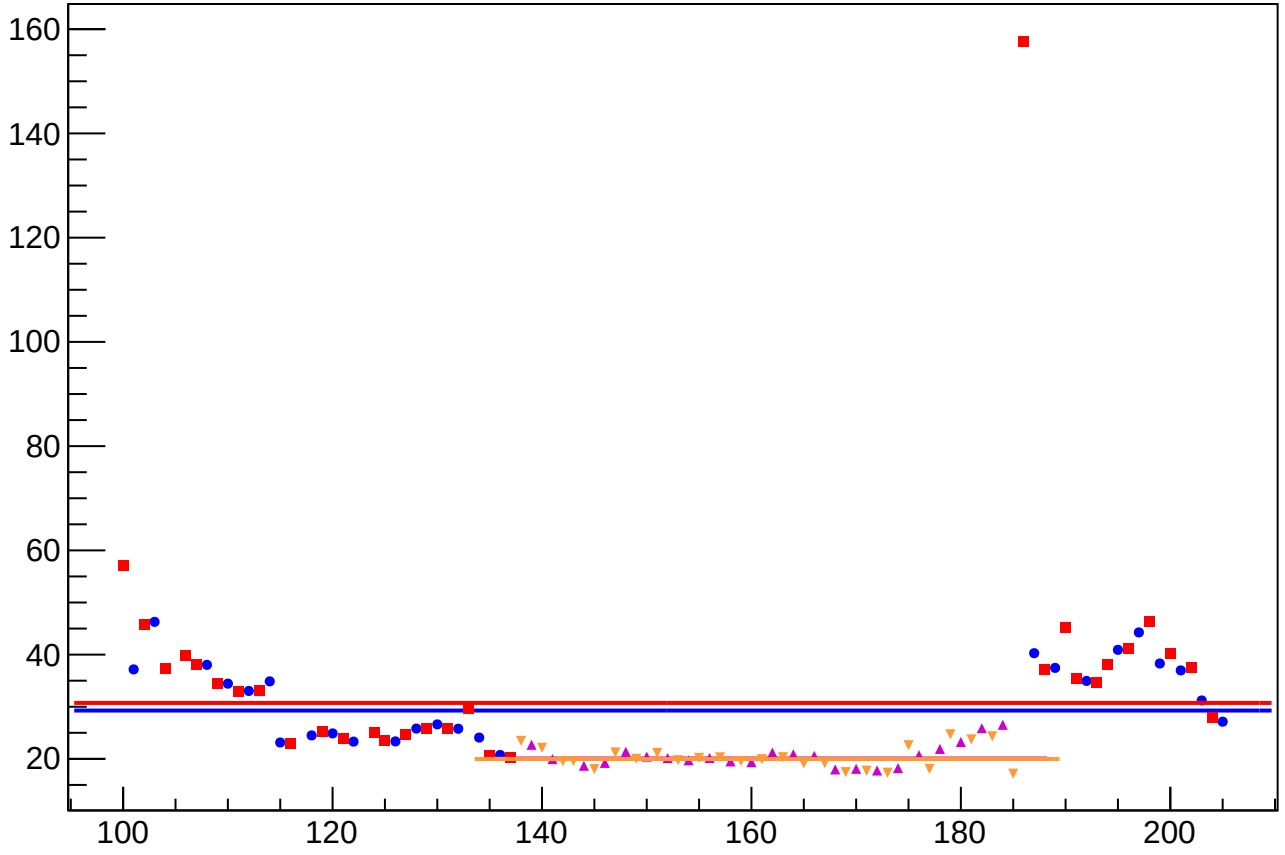
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.862+/-3.979 χ^2/NDF: 54.6/49

All: 2.097+/-2.853 χ^2/NDF: 123.5/102

- sign 5.225+/-4.091 χ^2/NDF: 67.7/52

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

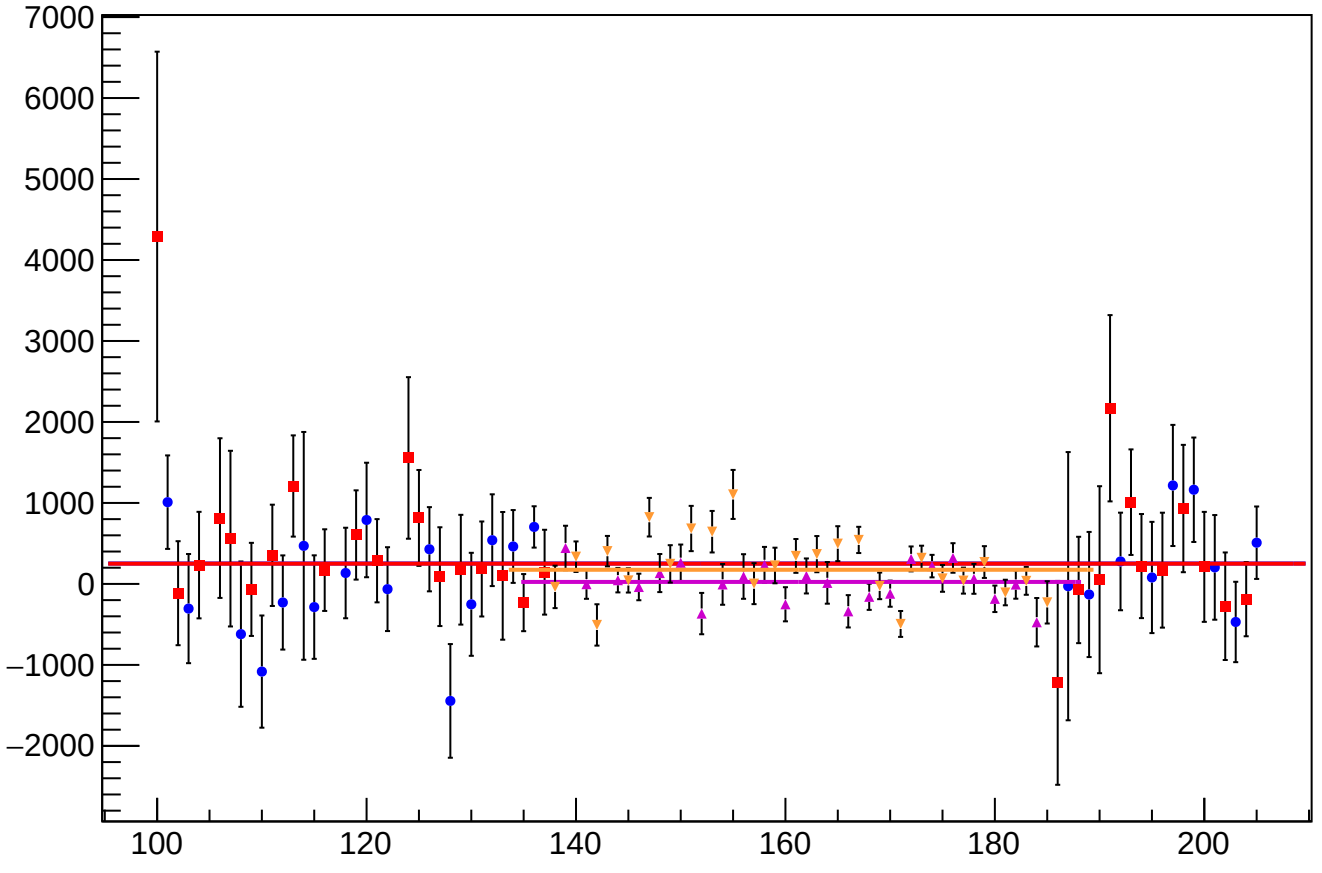
Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.230+/-0.003 χ^2/NDF: 3899038.1/49

All: 22.476+/-0.002 χ^2/NDF: 8957646.8/102

- sign 22.736+/-0.003 χ^2/NDF: 5042920.1/52



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

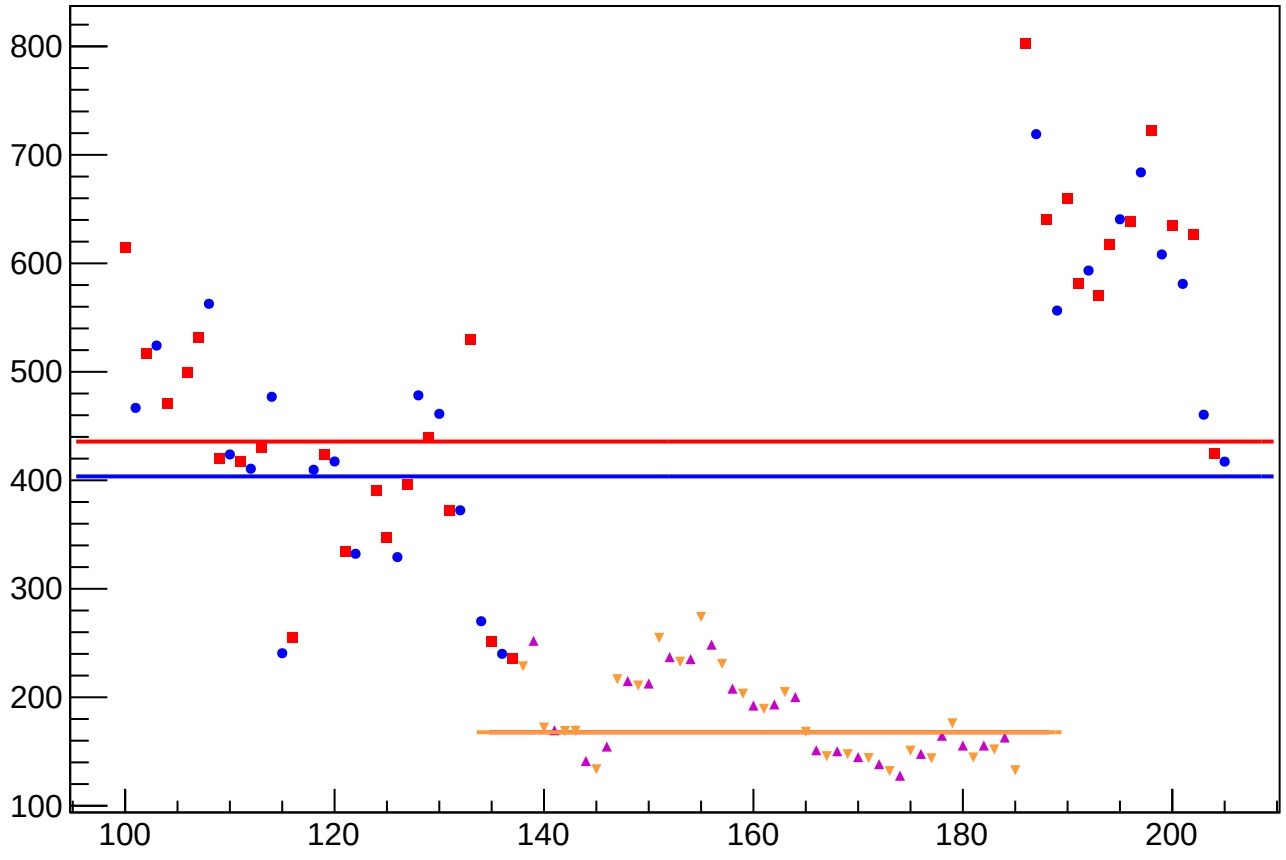
Right Out: 250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 182.891+/-36.927 χ^2/NDF: 97.7/49

All: 117.329+/-26.453 χ^2/NDF: 154.2/102

- sign 48.223+/-37.912 χ^2/NDF: 49.9/52



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

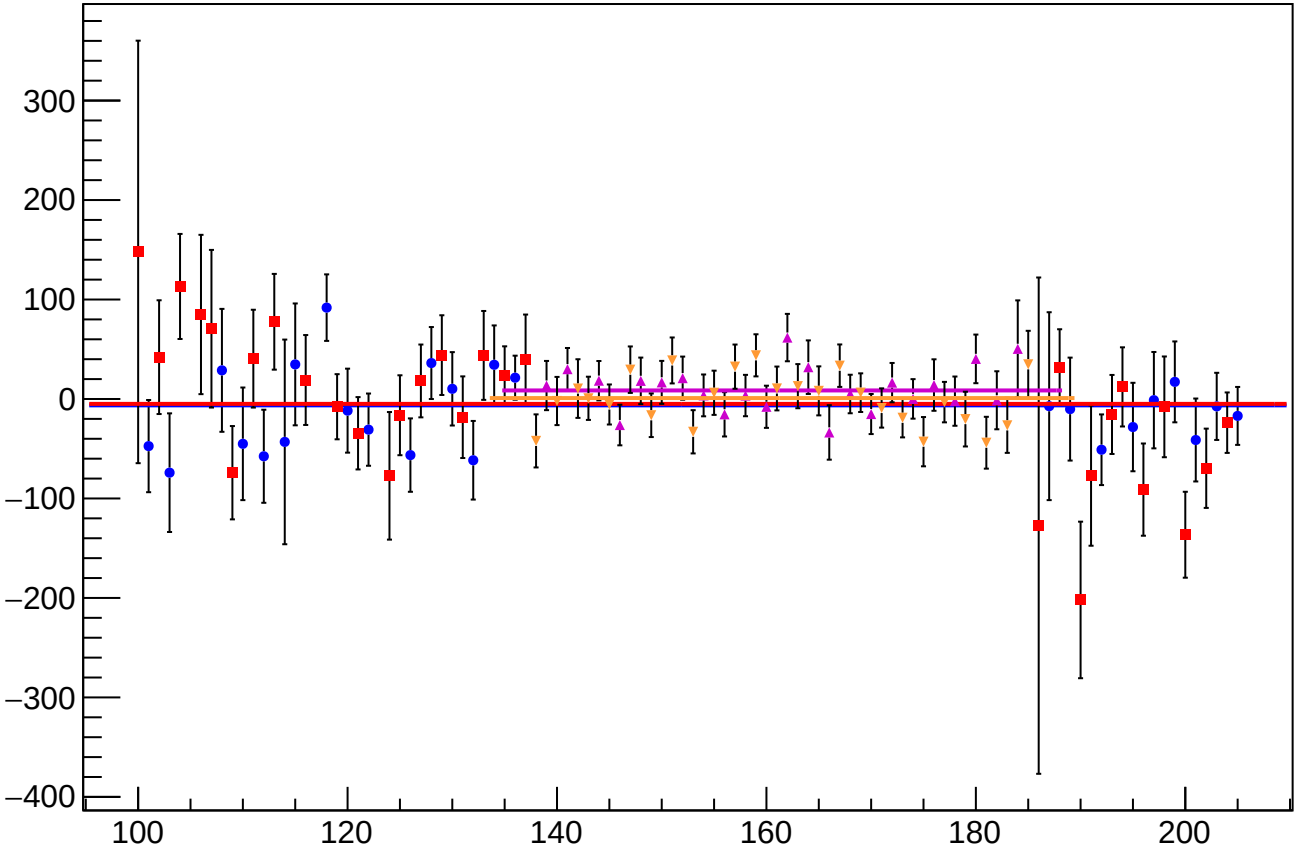
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 192.690+/-0.026 χ^2/NDF: 11950941.3/49

All: 194.222+/-0.019 χ^2/NDF: 25579818.4/10

- sign 195.836+/-0.027 χ^2/NDF: 13621807.0/52

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -4.913+/-8.186 χ^2/NDF: 46.3/29

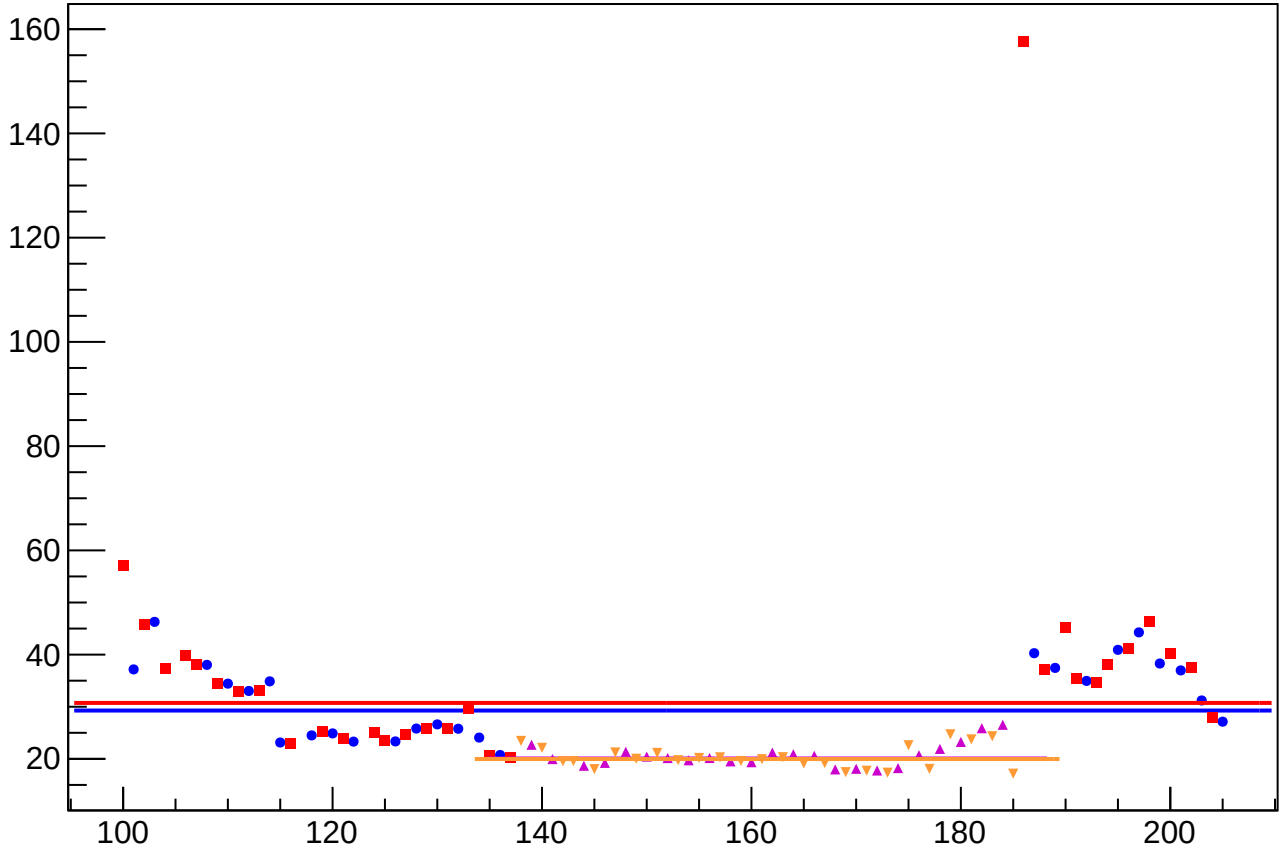
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.862+/-3.979 χ^2/NDF: 54.6/49

All: 2.097+/-2.853 χ^2/NDF: 123.5/102

- sign 5.225+/-4.091 χ^2/NDF: 67.7/52

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

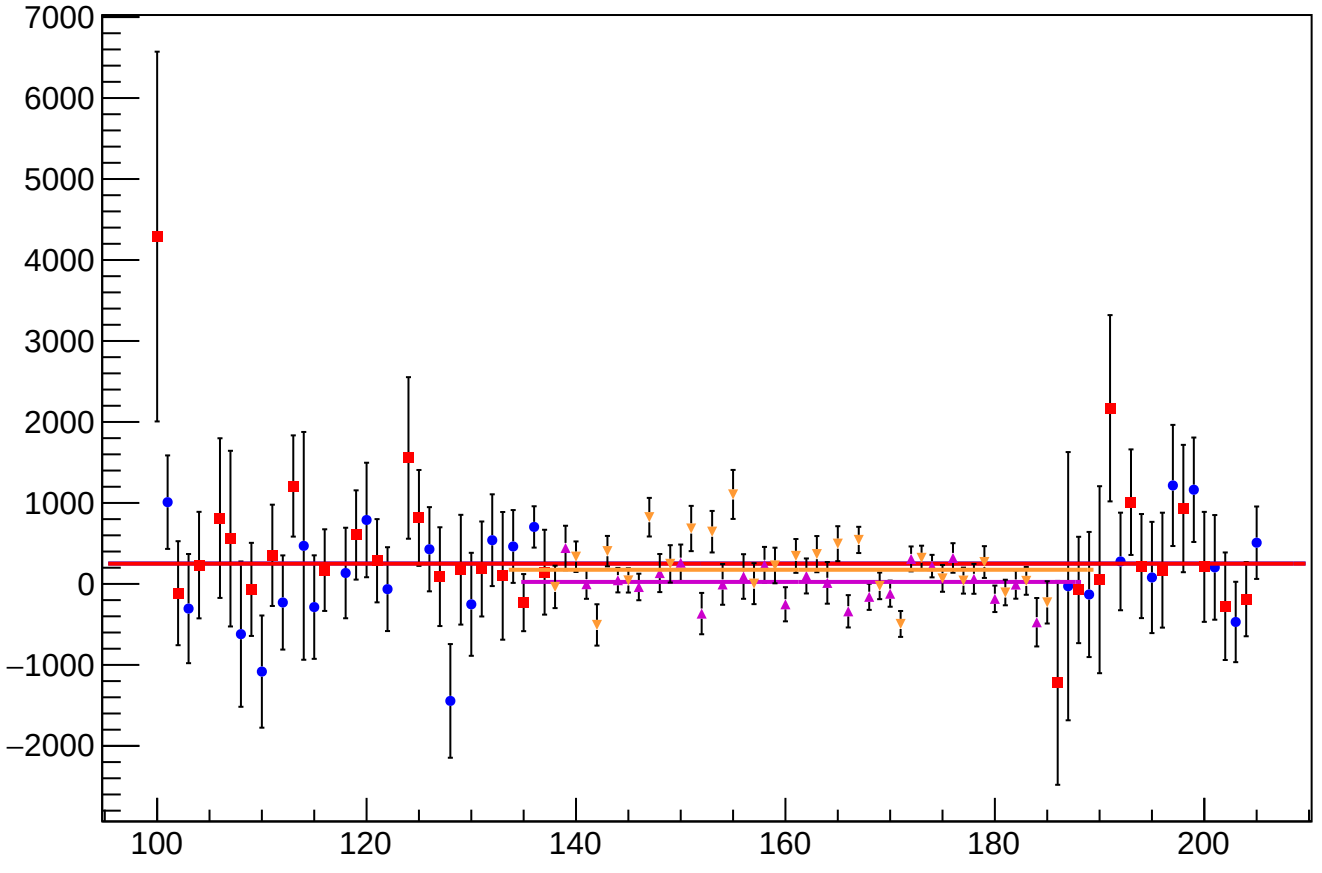
Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.230+/-0.003 χ^2/NDF: 3899038.1/49

All: 22.476+/-0.002 χ^2/NDF: 8957646.8/102

- sign 22.736+/-0.003 χ^2/NDF: 5042920.1/52



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

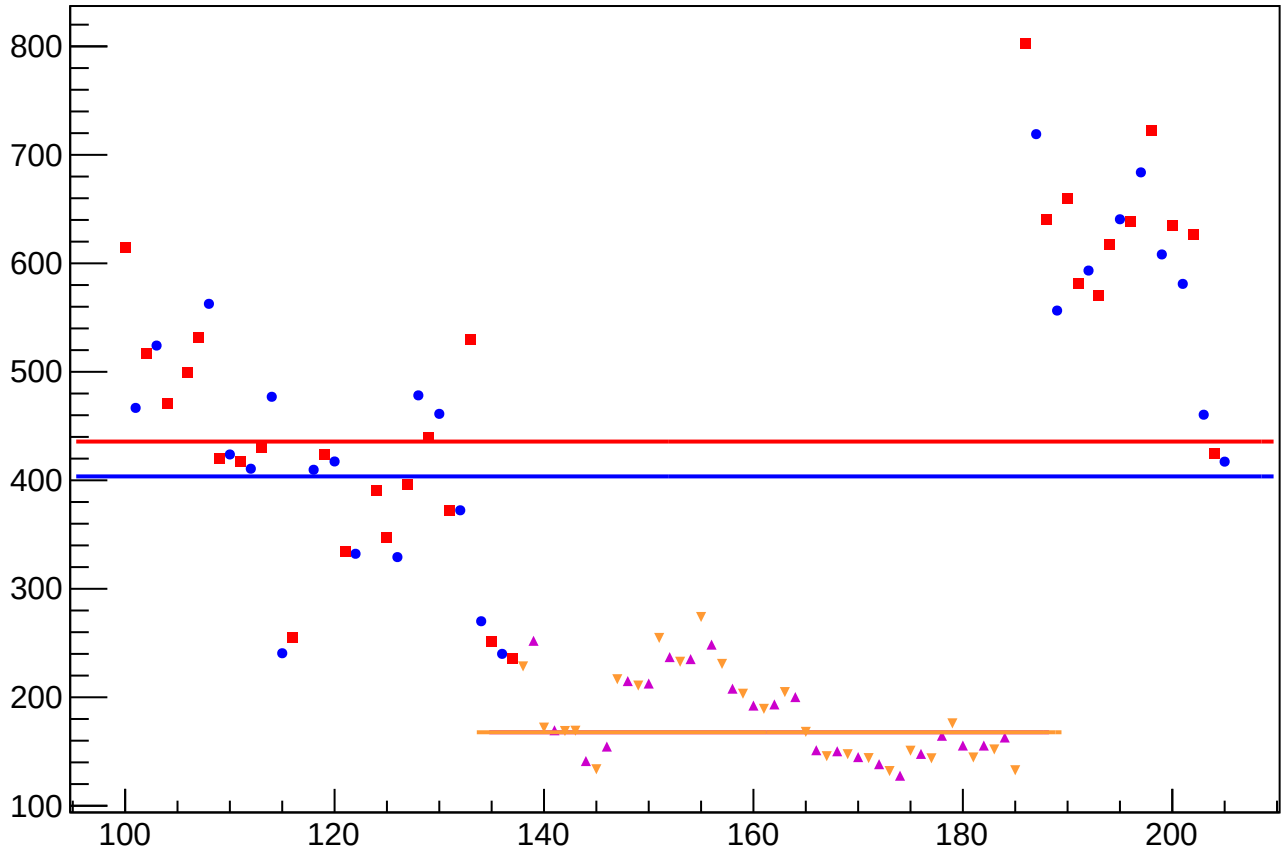
Right Out: 250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 182.891+/-36.927 χ^2/NDF: 97.7/49

All: 117.329+/-26.453 χ^2/NDF: 154.2/102

- sign 48.223+/-37.912 χ^2/NDF: 49.9/52



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

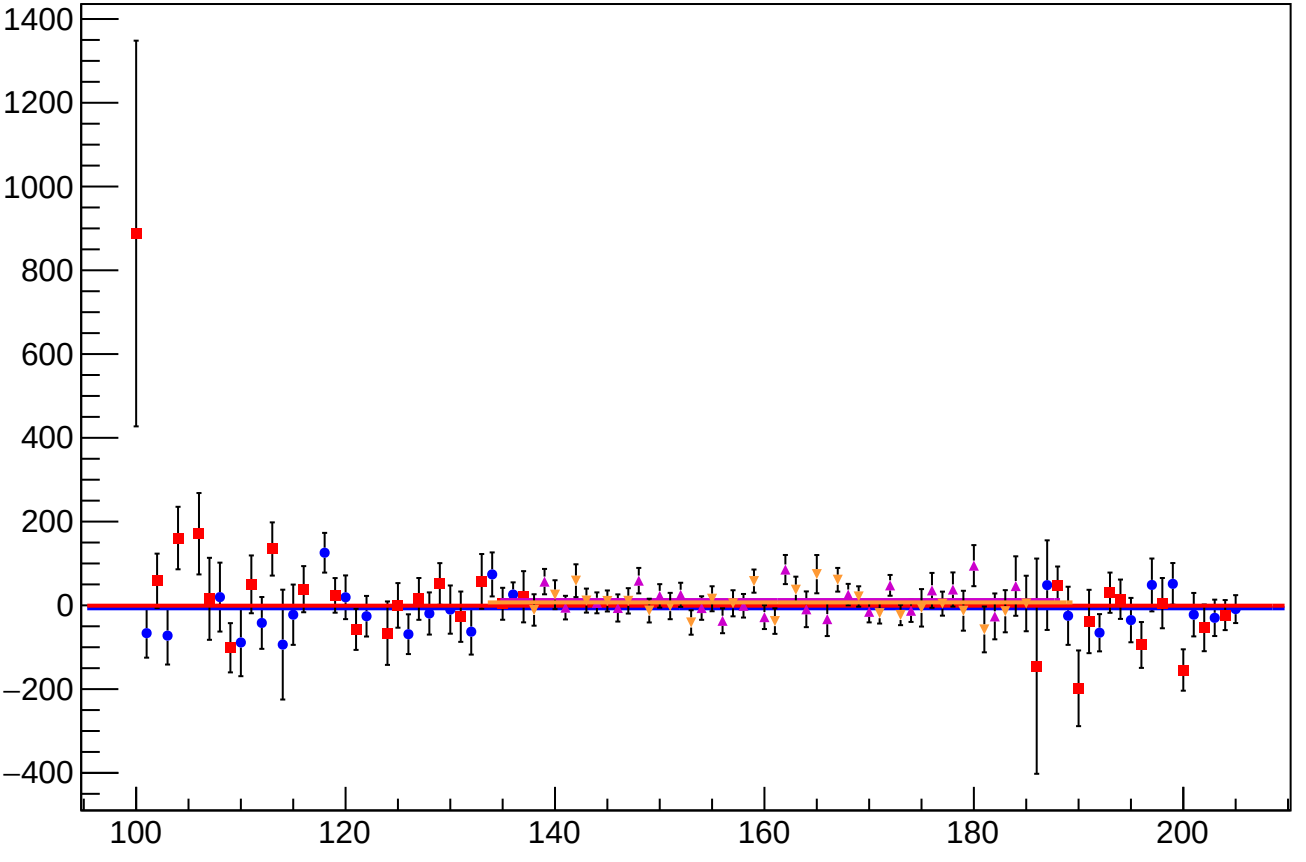
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 192.690+/-0.026 χ^2/NDF: 11950941.3/49

All: 194.222+/-0.019 χ^2/NDF: 25579818.4/10

- sign 195.836+/-0.027 χ^2/NDF: 13621807.0/52

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.046+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -0.770+/-10.373 χ^2/NDF: 46.4/29

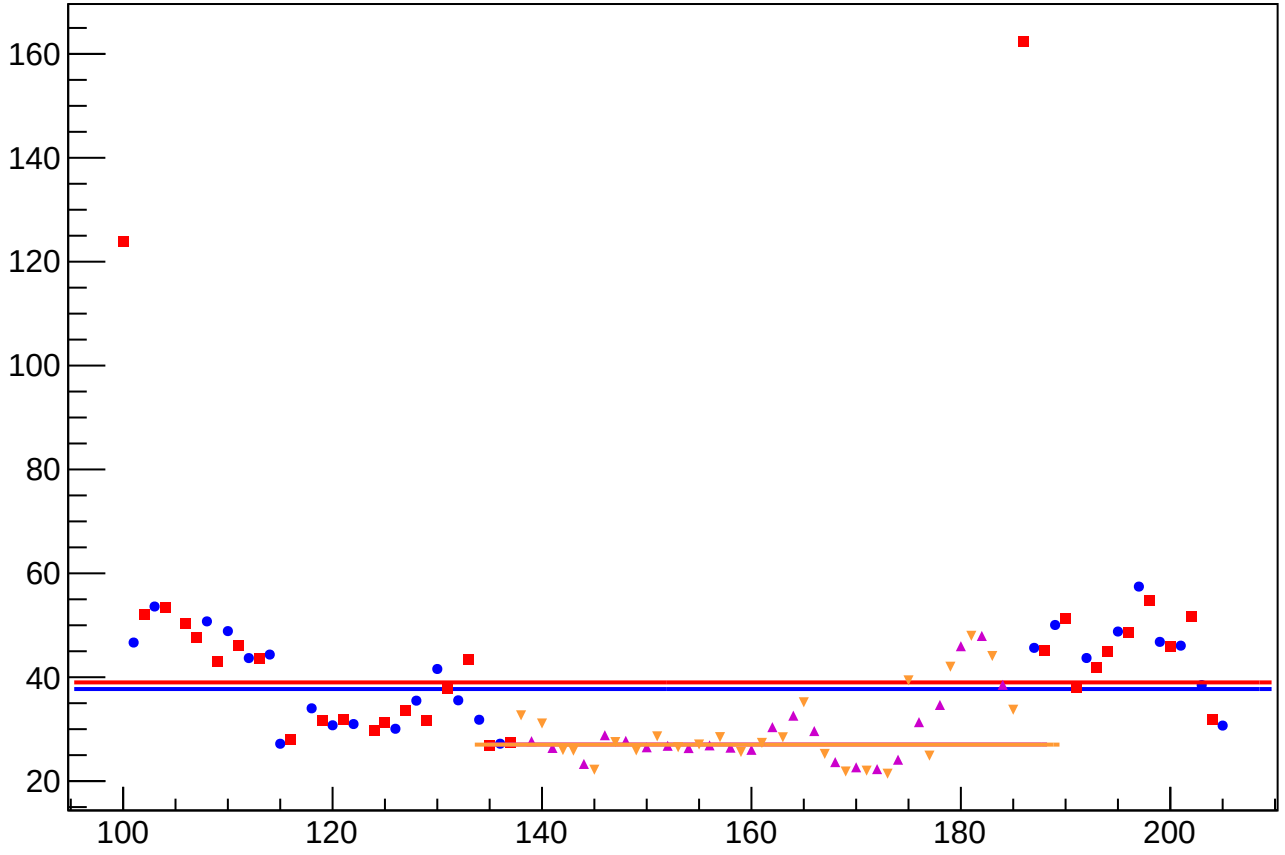
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.274+/-5.413 χ^2/NDF: 47.5/49

All: 6.029+/-3.864 χ^2/NDF: 121.3/102

- sign 8.889+/-5.516 χ^2/NDF: 73.3/52

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.725+/-0.007 χ^2/NDF: 1351826.6/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 39.003+/-0.007 χ^2/NDF: 1906715.6/29

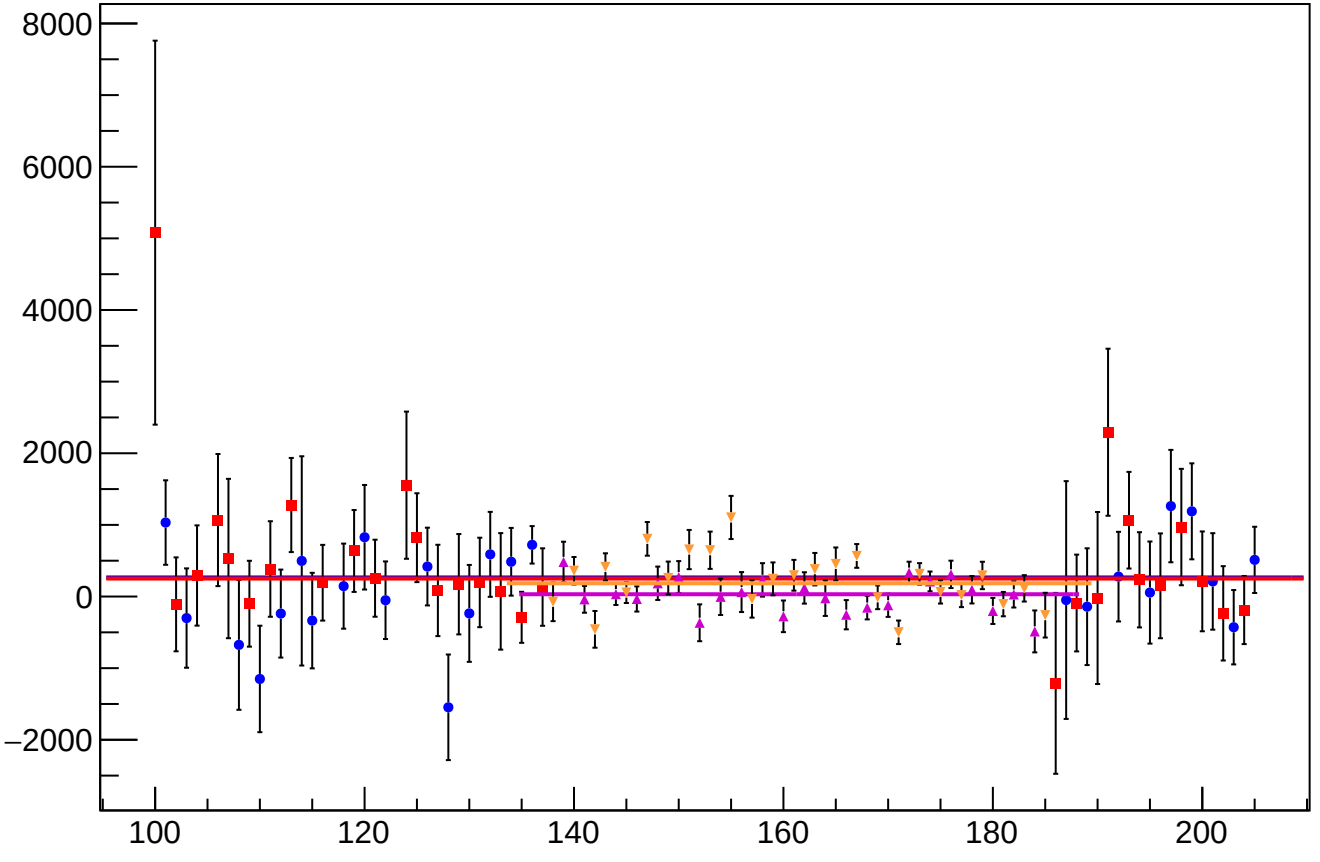
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.908+/-0.004 χ^2/NDF: 4319594.9/49

All: 30.165+/-0.003 χ^2/NDF: 9183707.0/102

- sign 30.431+/-0.004 χ^2/NDF: 4854937.5/52

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 266.319+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

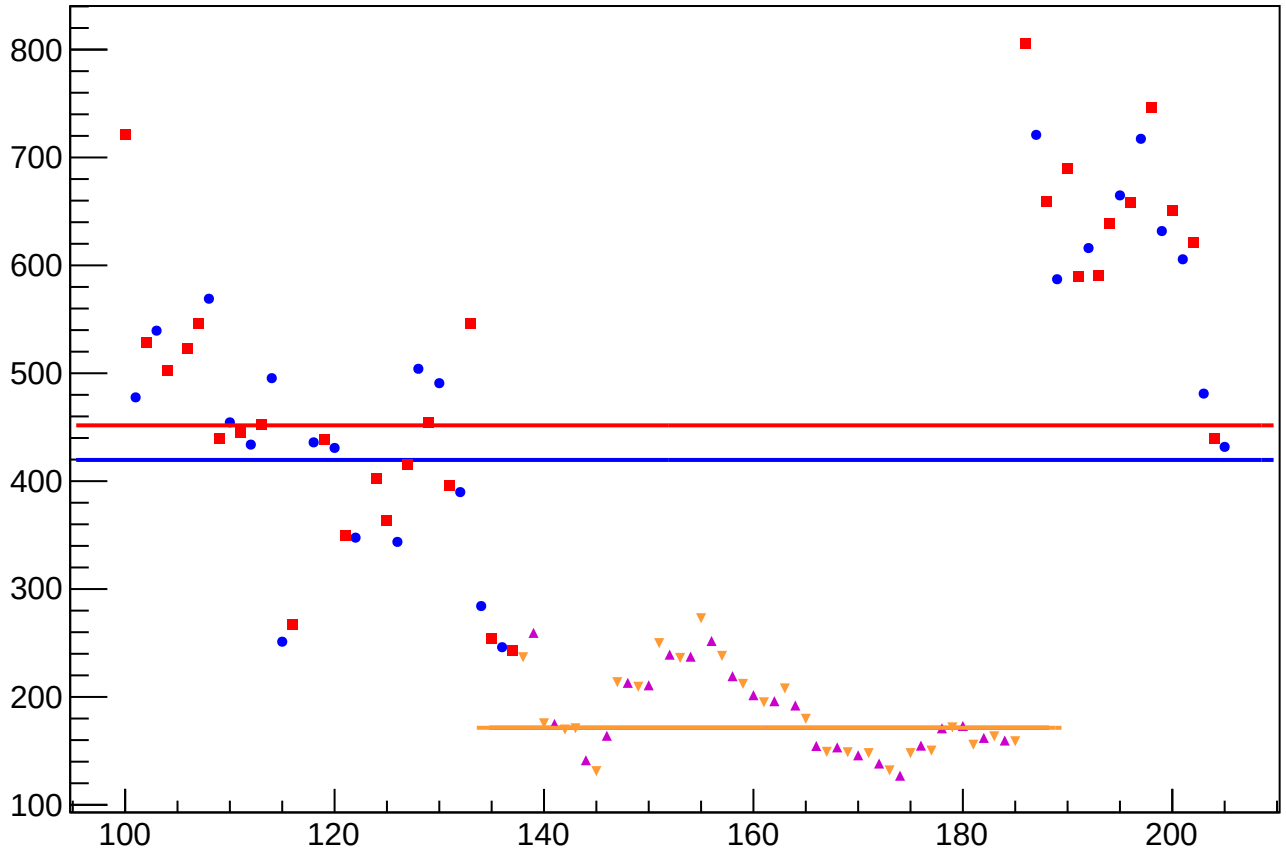
Right Out: 251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 193.010+/-37.744 χ^2/NDF: 93.9/49

All: 125.645+/-27.059 χ^2/NDF: 150.8/102

- sign 54.417+/-38.812 χ^2/NDF: 50.3/52



Right In: 419.667+/-0.084 χ^2/NDF: 2700842.8/24

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 451.720+/-0.086 χ^2/NDF: 2823779.8/29

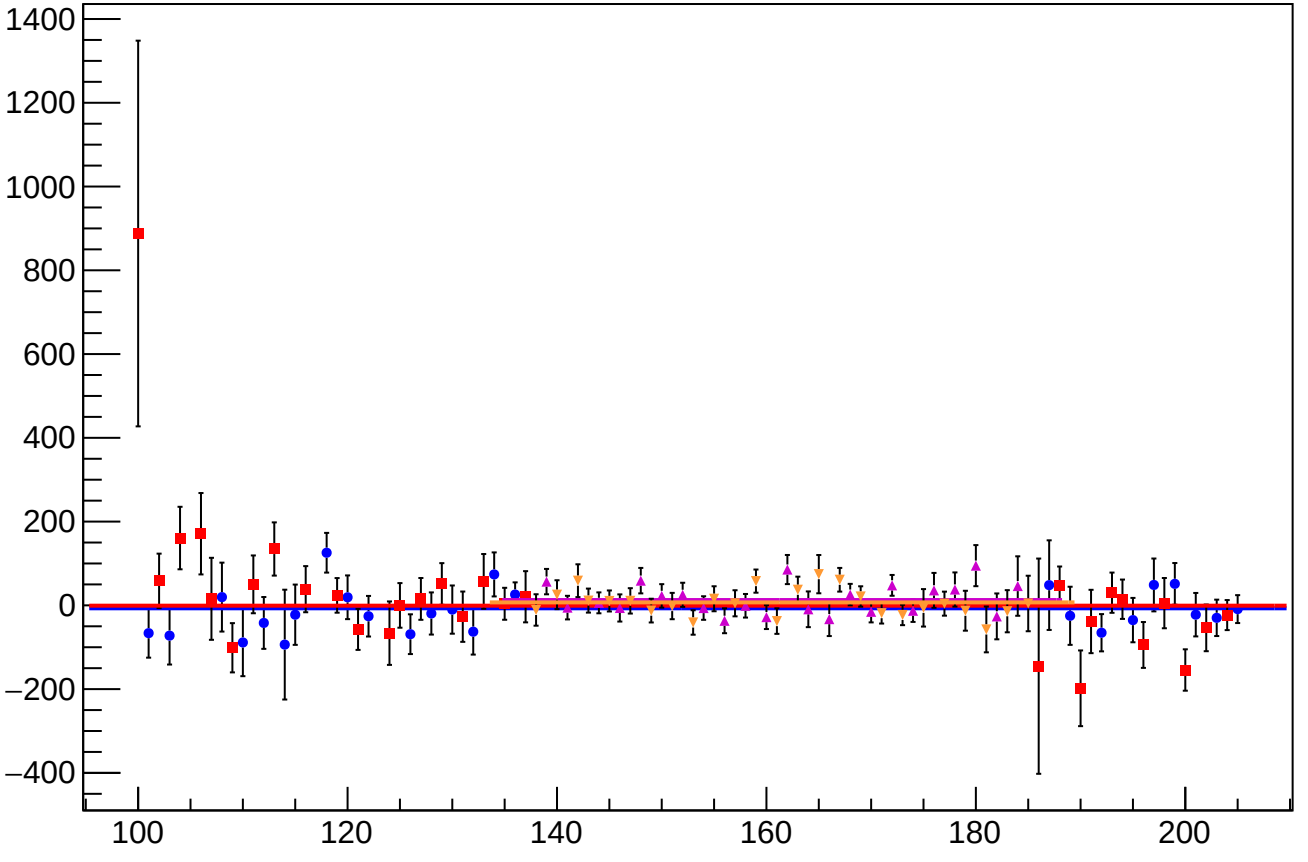
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 196.769+/-0.027 χ^2/NDF: 12157734.9/49

All: 198.485+/-0.019 χ^2/NDF: 26022843.7/10

- sign 200.299+/-0.027 χ^2/NDF: 13856602.4/52

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.047+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -0.770+/-10.373 χ^2/NDF: 46.4/29

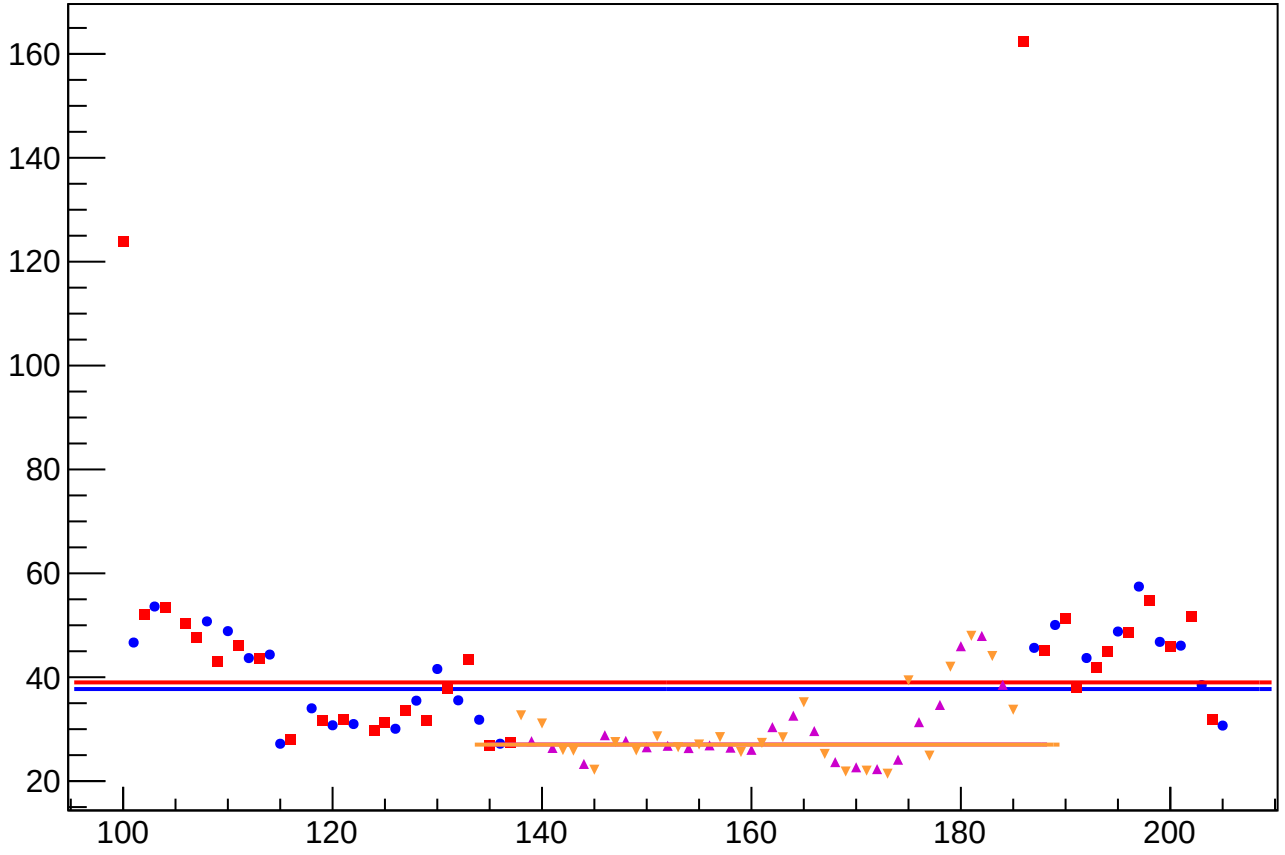
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.274+/-5.413 χ^2/NDF: 47.5/49

All: 6.029+/-3.864 χ^2/NDF: 121.3/102

- sign 8.889+/-5.516 χ^2/NDF: 73.3/52

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.724+/-0.007 χ^2/NDF: 1351823.8/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

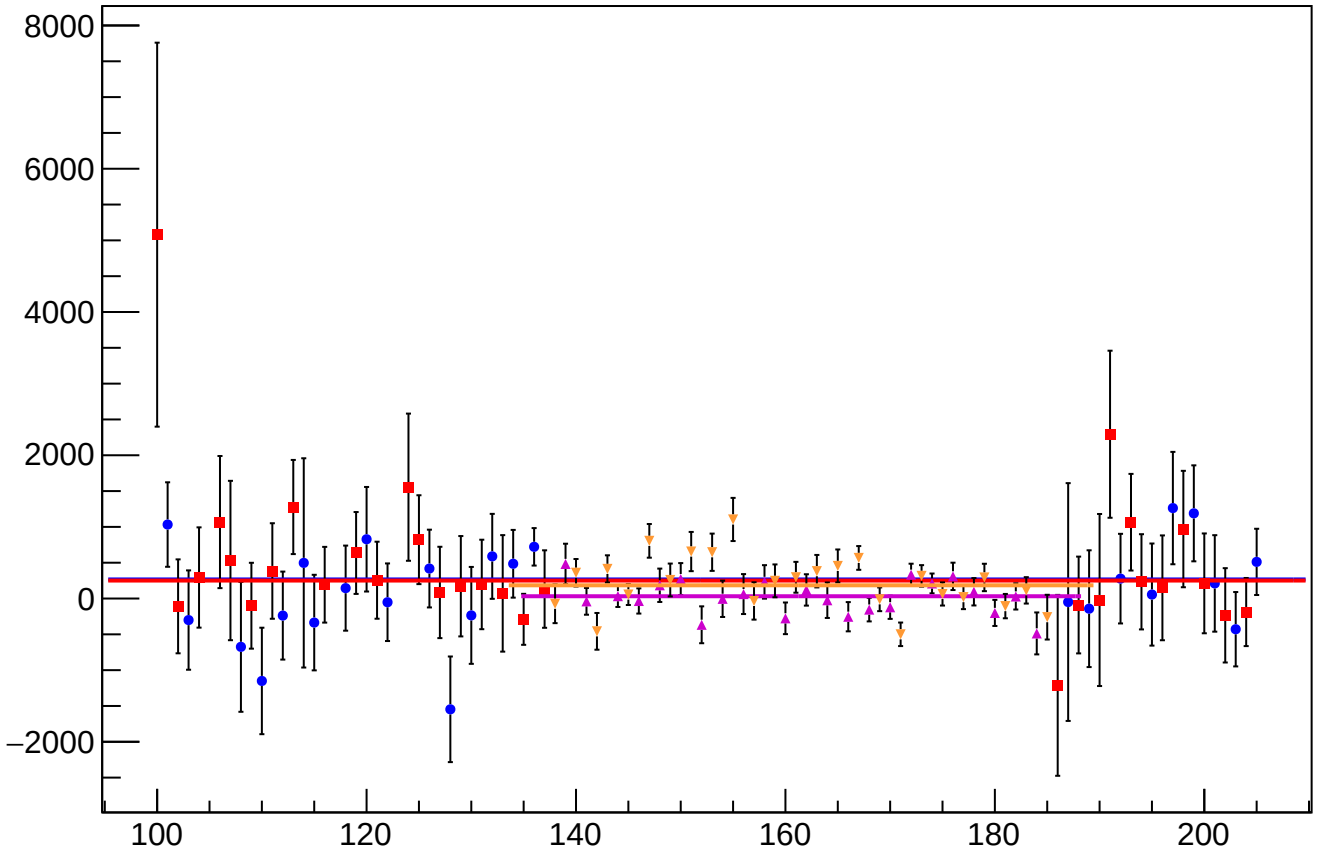
Right Out: 39.003+/-0.007 χ^2/NDF: 1906746.1/29

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.908+/-0.004 χ^2/NDF: 4319490.5/49

All: 30.165+/-0.003 χ^2/NDF: 9183509.5/102

- sign 30.431+/-0.004 χ^2/NDF: 4854845.0/52



Right In: 266.318+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

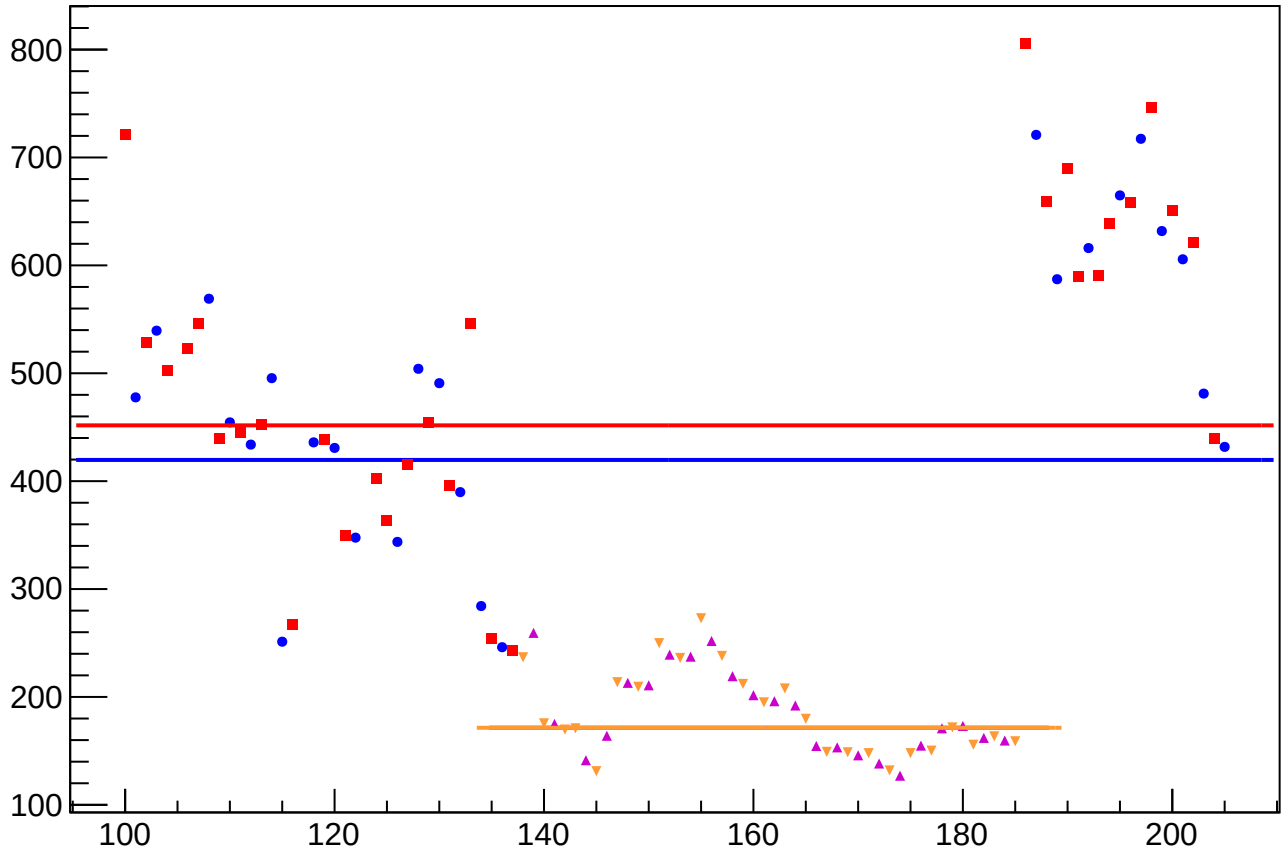
Right Out: 251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 193.009+/-37.744 χ^2/NDF: 93.9/49

All: 125.645+/-27.059 χ^2/NDF: 150.8/102

- sign 54.417+/-38.811 χ^2/NDF: 50.3/52



Right In: 419.666+/-0.084 χ^2/NDF: 2700847.9/24

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 451.719+/-0.086 χ^2/NDF: 2823791.0/29

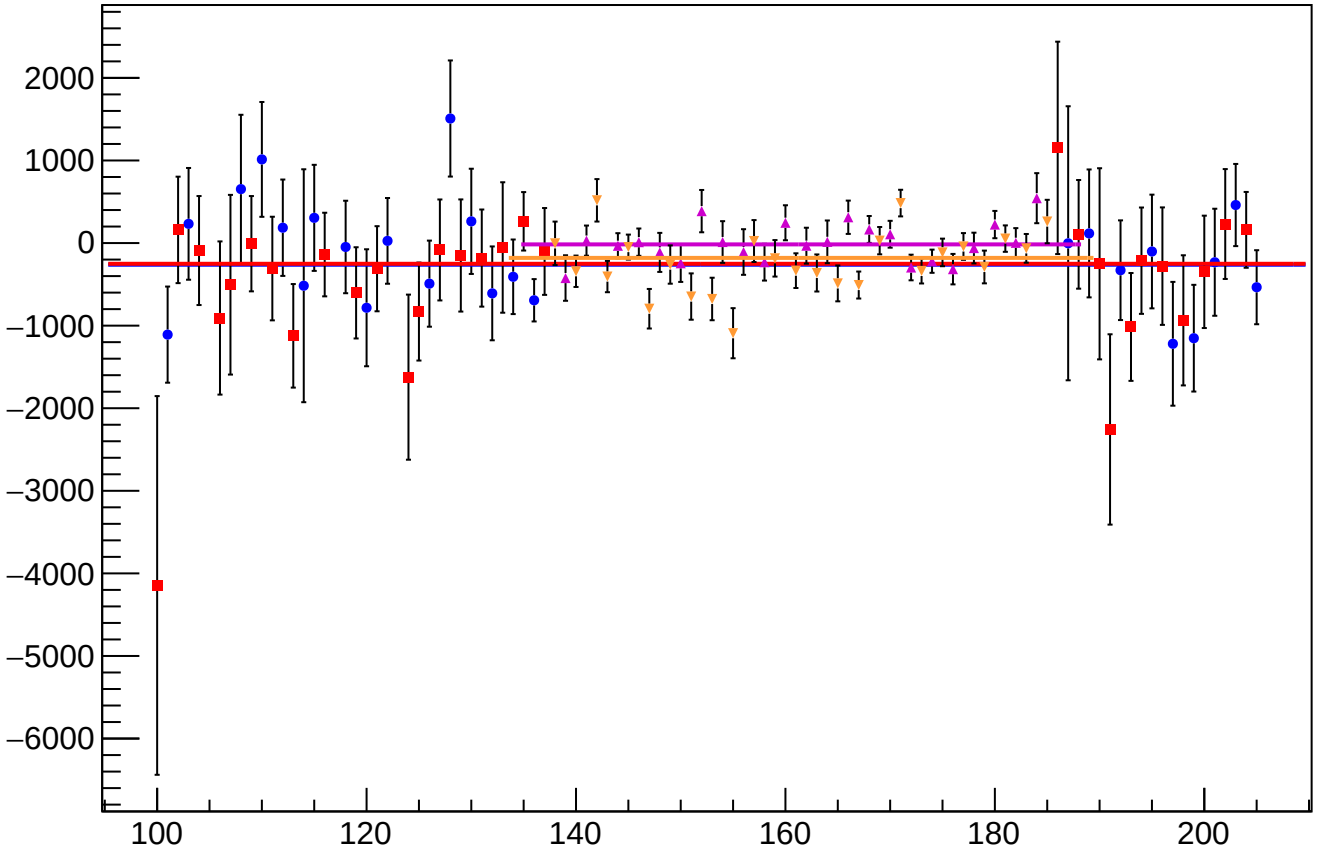
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 196.768+/-0.027 χ^2/NDF: 12157769.0/49

All: 198.484+/-0.019 χ^2/NDF: 26022920.5/10

- sign 200.298+/-0.027 χ^2/NDF: 13856645.7/52

asym_sam_1357_2468_dd_mean vs Slug



Right In: -262.220+/-113.926 χ^2/NDF: 26.3/24

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -250.969+/-117.330 χ^2/NDF: 19.7/29

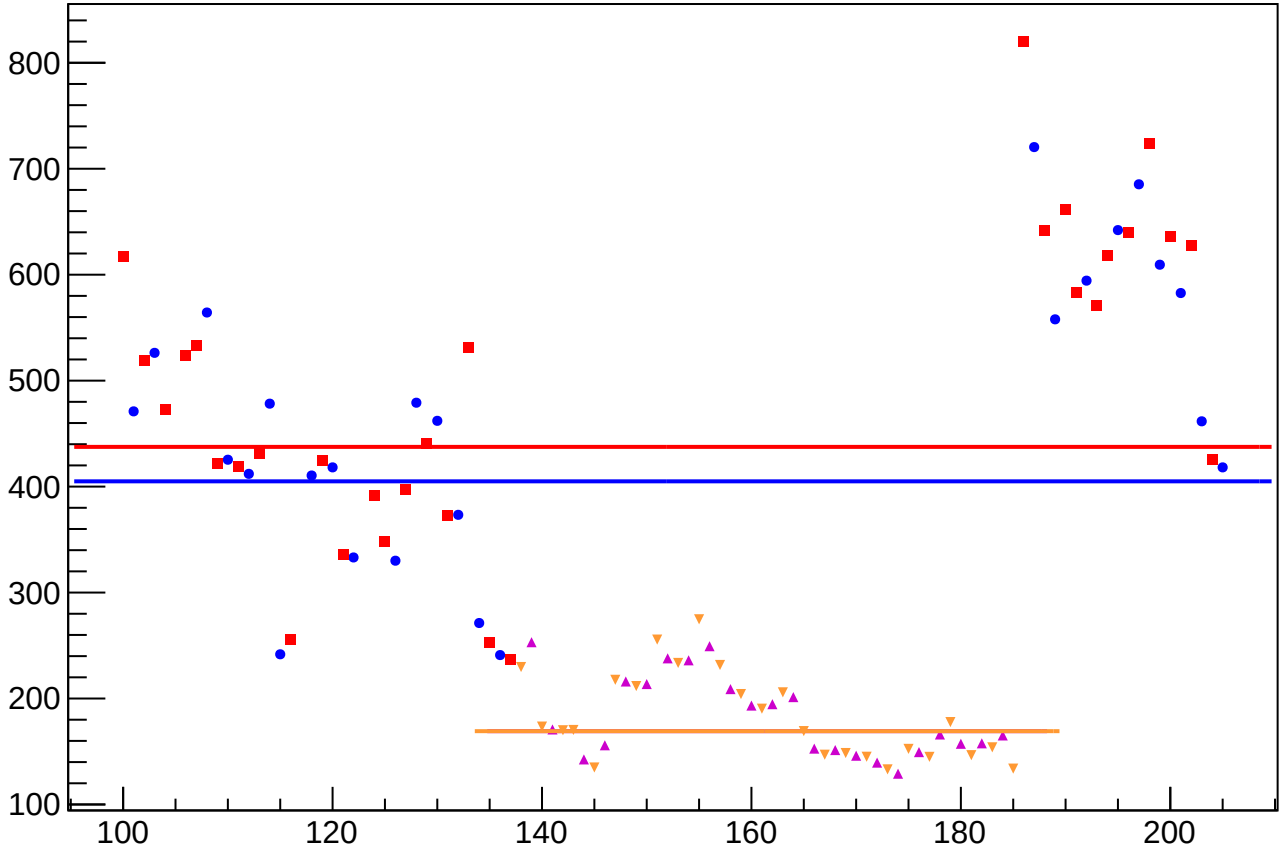
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -188.461+/-37.205 χ^2/NDF: 93.9/49

All: -116.644+/-26.651 χ^2/NDF: 151.4/102

- sign -40.952+/-38.196 χ^2/NDF: 49.9/52

asym_sam_1357_2468_dd_rms vs Slug



Right In: 404.972+/-0.081 χ^2/NDF: 2650643.0/24

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

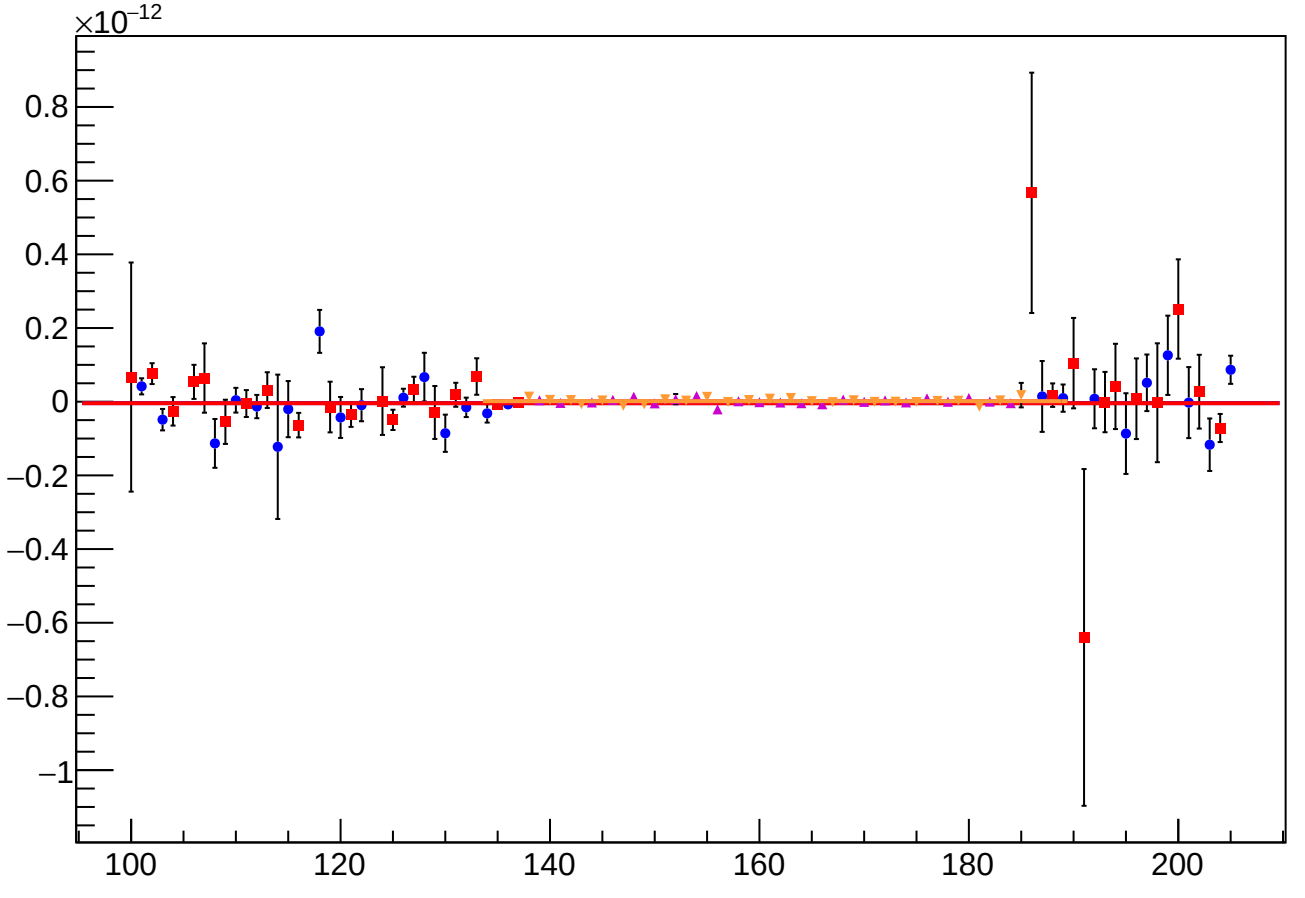
Right Out: 437.492+/-0.083 χ^2/NDF: 2851546.5/29

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 194.329+/-0.026 χ^2/NDF: 11851767.6/49

All: 195.932+/-0.019 χ^2/NDF: 25435591.6/10

- sign 197.621+/-0.027 χ^2/NDF: 13576197.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

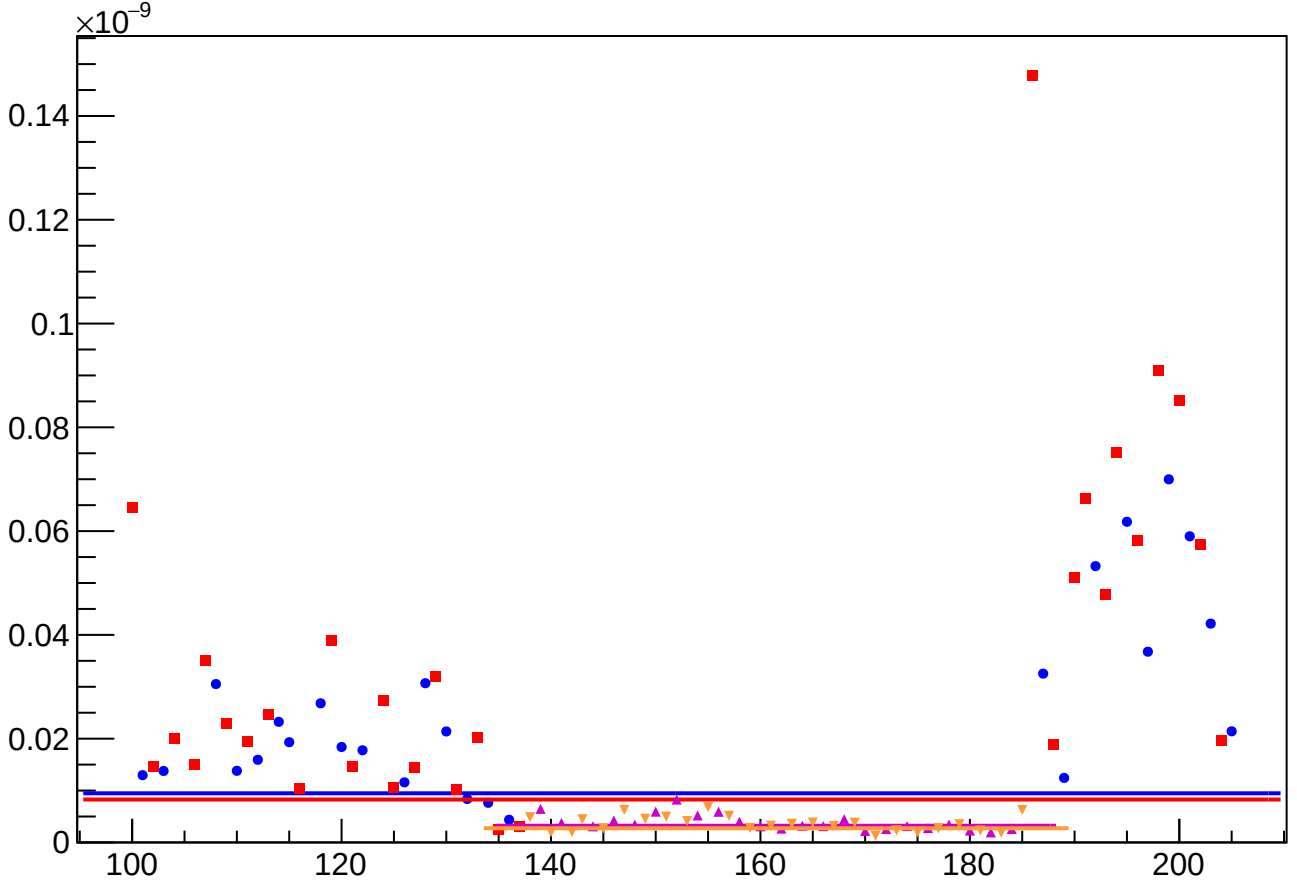
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/29

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/49

All: 0.000+/-0.000 χ^2/NDF: 114.8/102

- sign 0.000+/-0.000 χ^2/NDF: 56.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 5295477.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

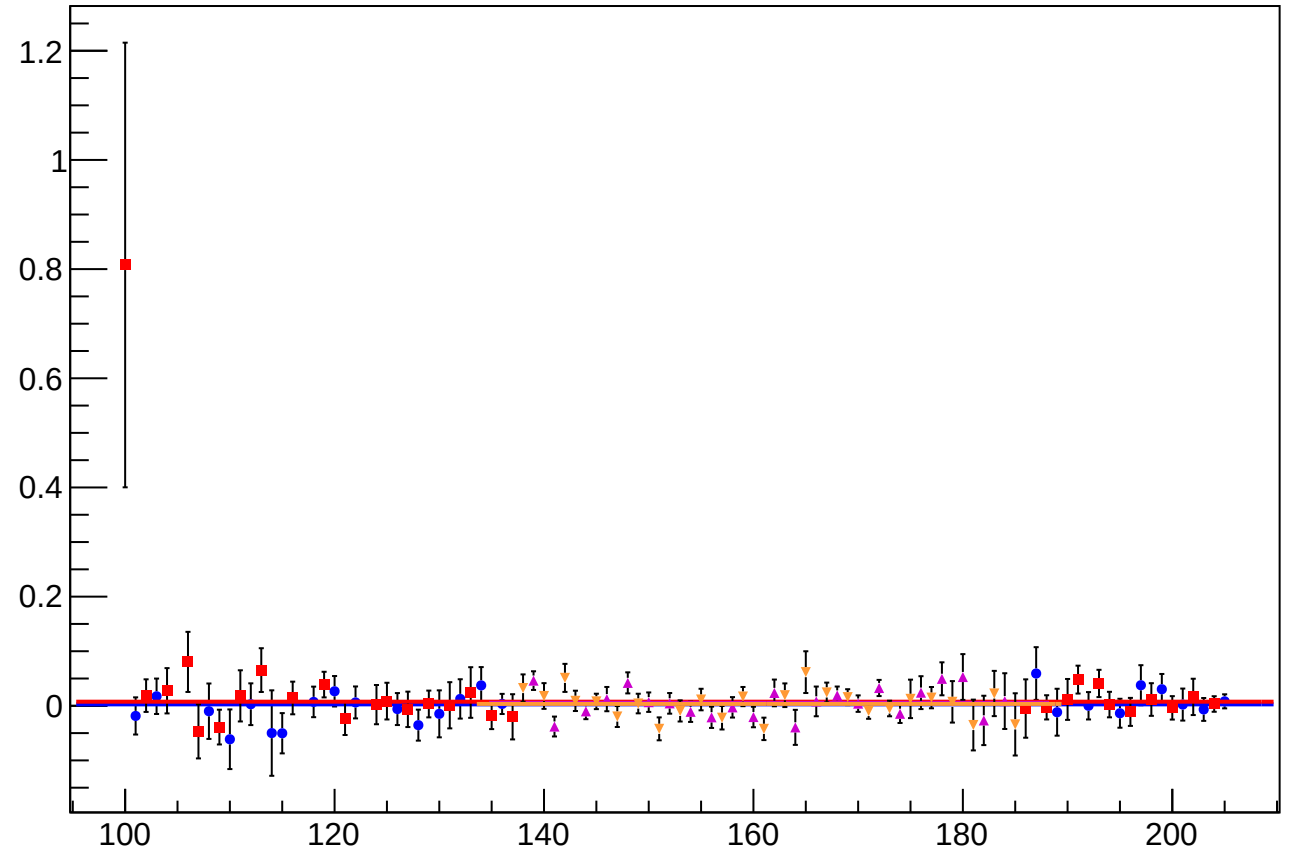
Right Out: 0.000+/-0.000 χ^2/NDF: 7779104.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10108040.5/49

All: 0.000+/-0.000 χ^2/NDF: 21069802.8/102

- sign 0.000+/-0.000 χ^2/NDF: 10802258.5/52



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

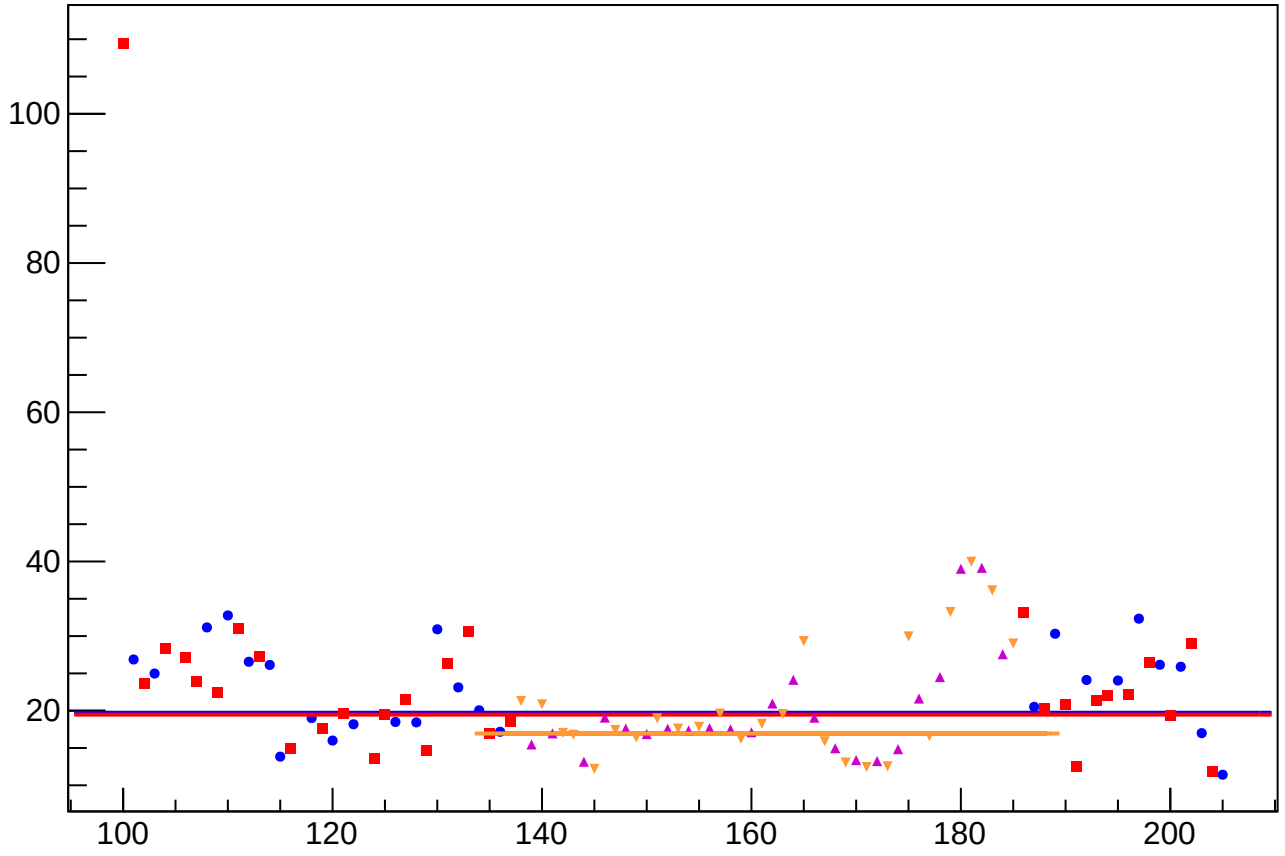
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 95.3/102

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

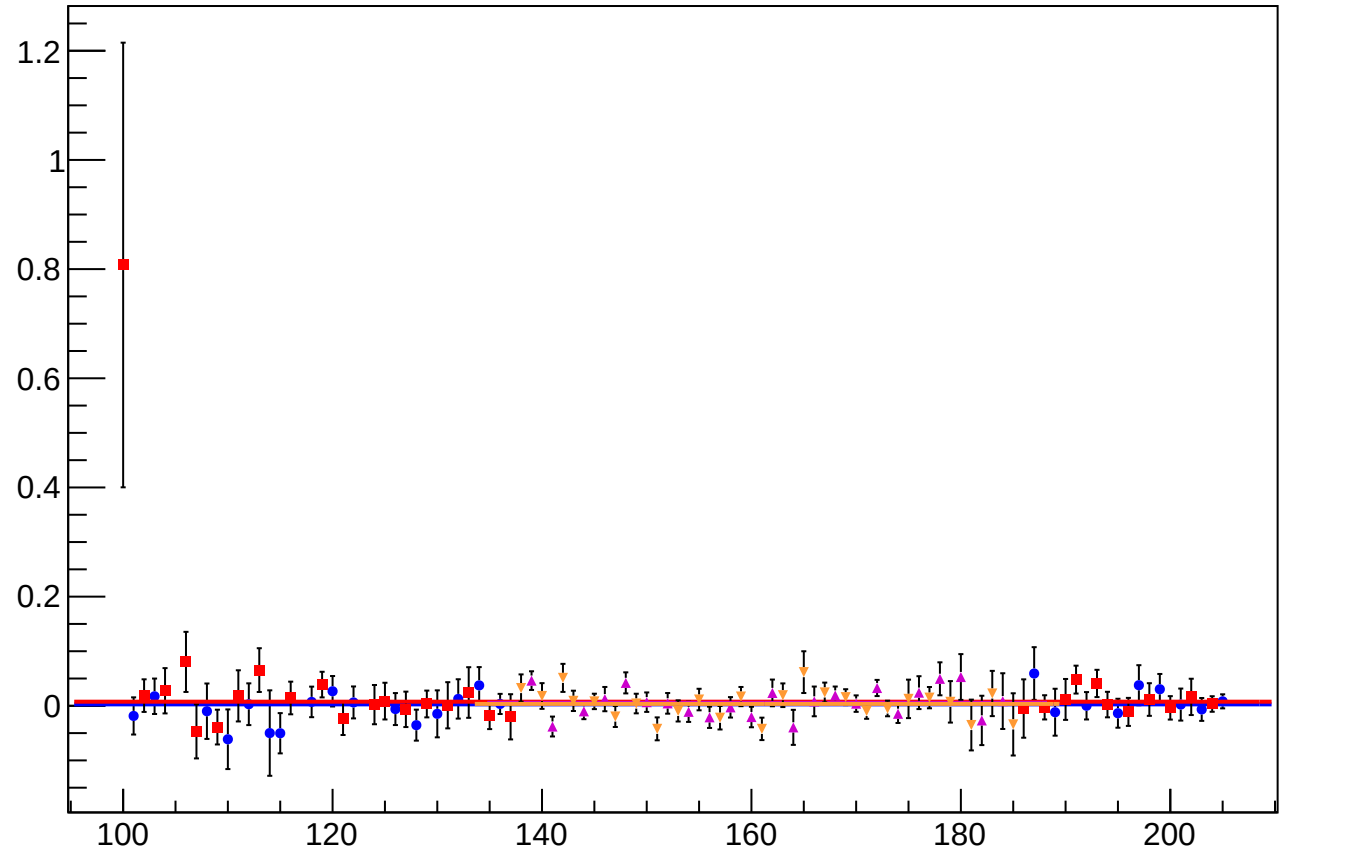
Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.888+/-0.002 χ^2/NDF: 5409596.9/49

All: 17.895+/-0.002 χ^2/NDF: 9698990.6/102

- sign 17.903+/-0.002 χ^2/NDF: 4289372.6/52



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

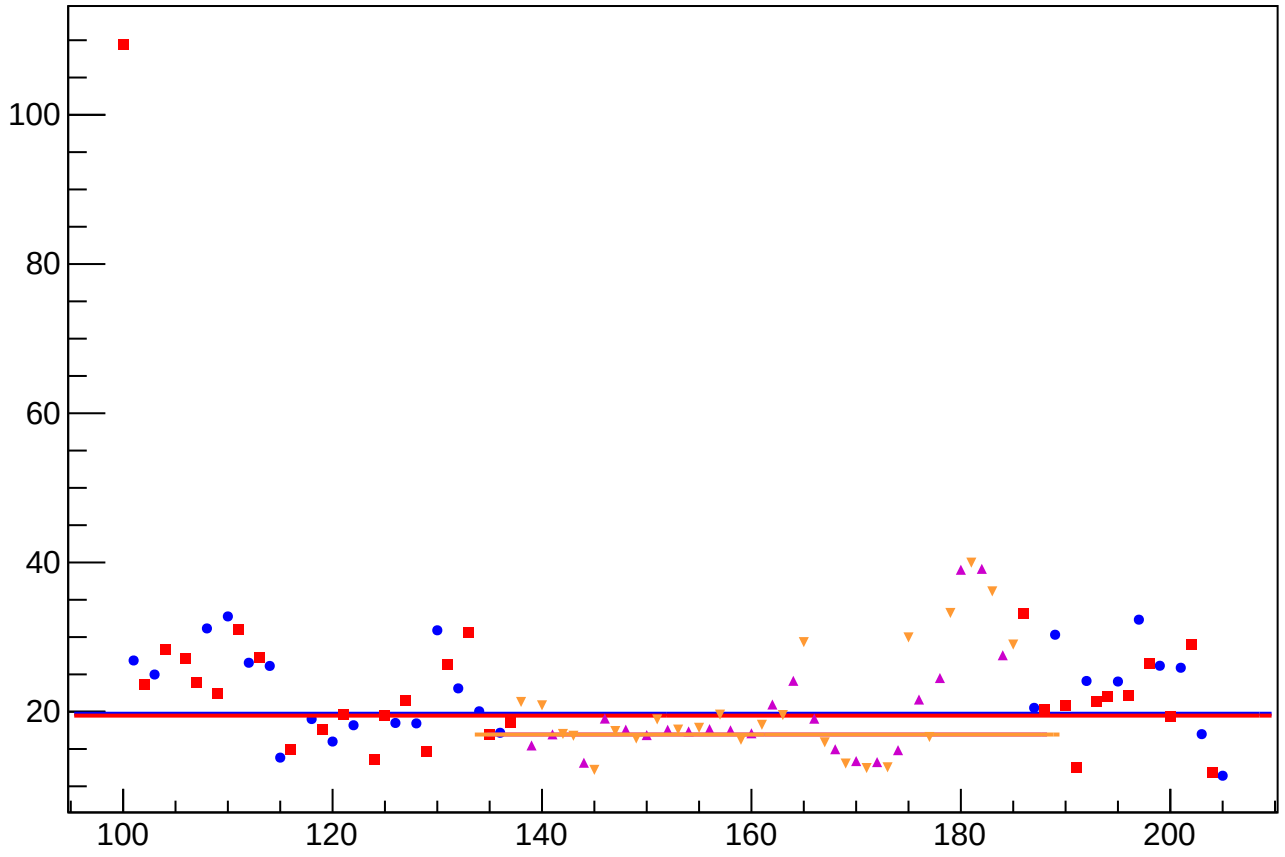
Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 95.3/102

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

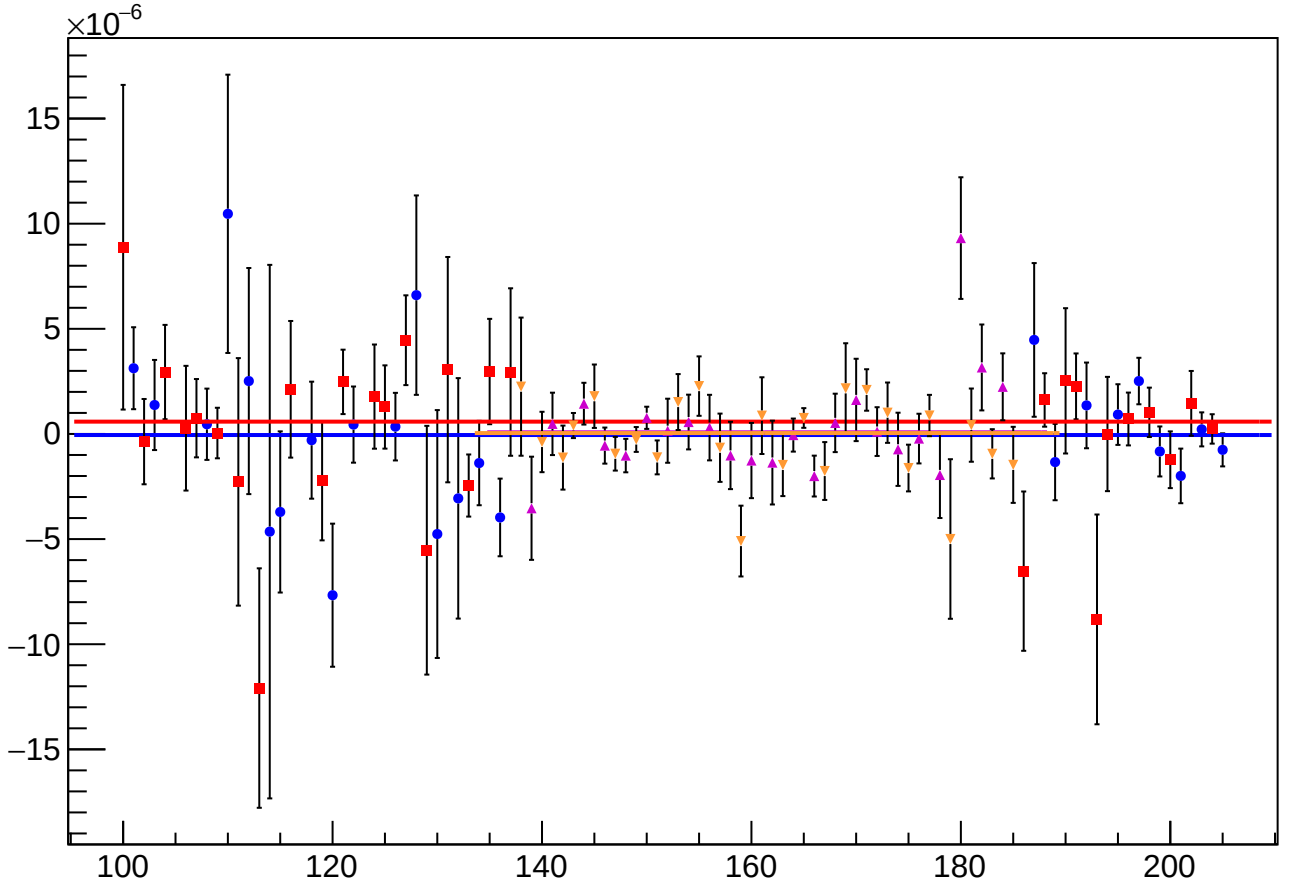
Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.888+/-0.002 χ^2/NDF: 5409596.9/49

All: 17.895+/-0.002 χ^2/NDF: 9698990.6/102

\- sign 17.903+/-0.002 χ^2/NDF: 4289372.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

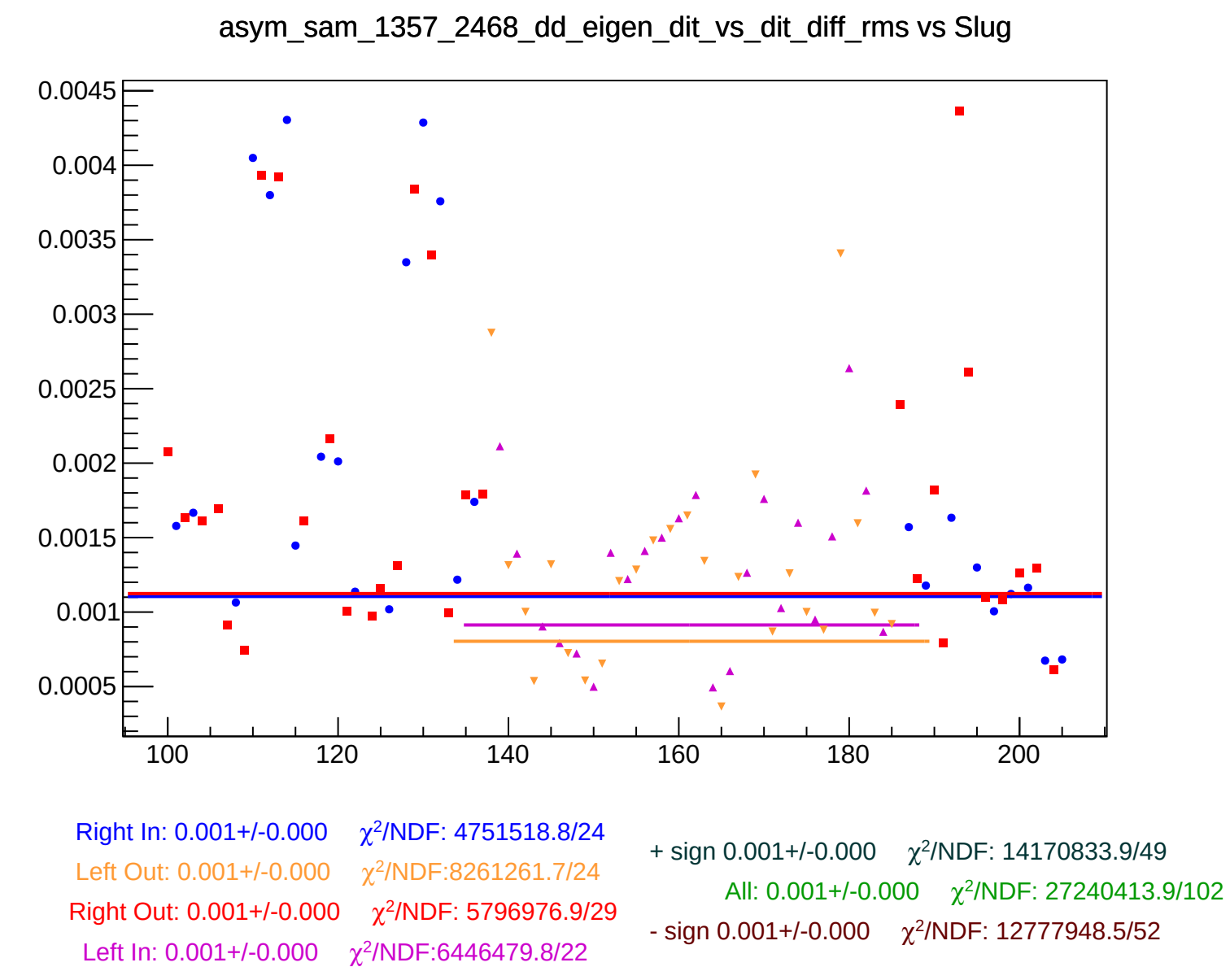
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/29

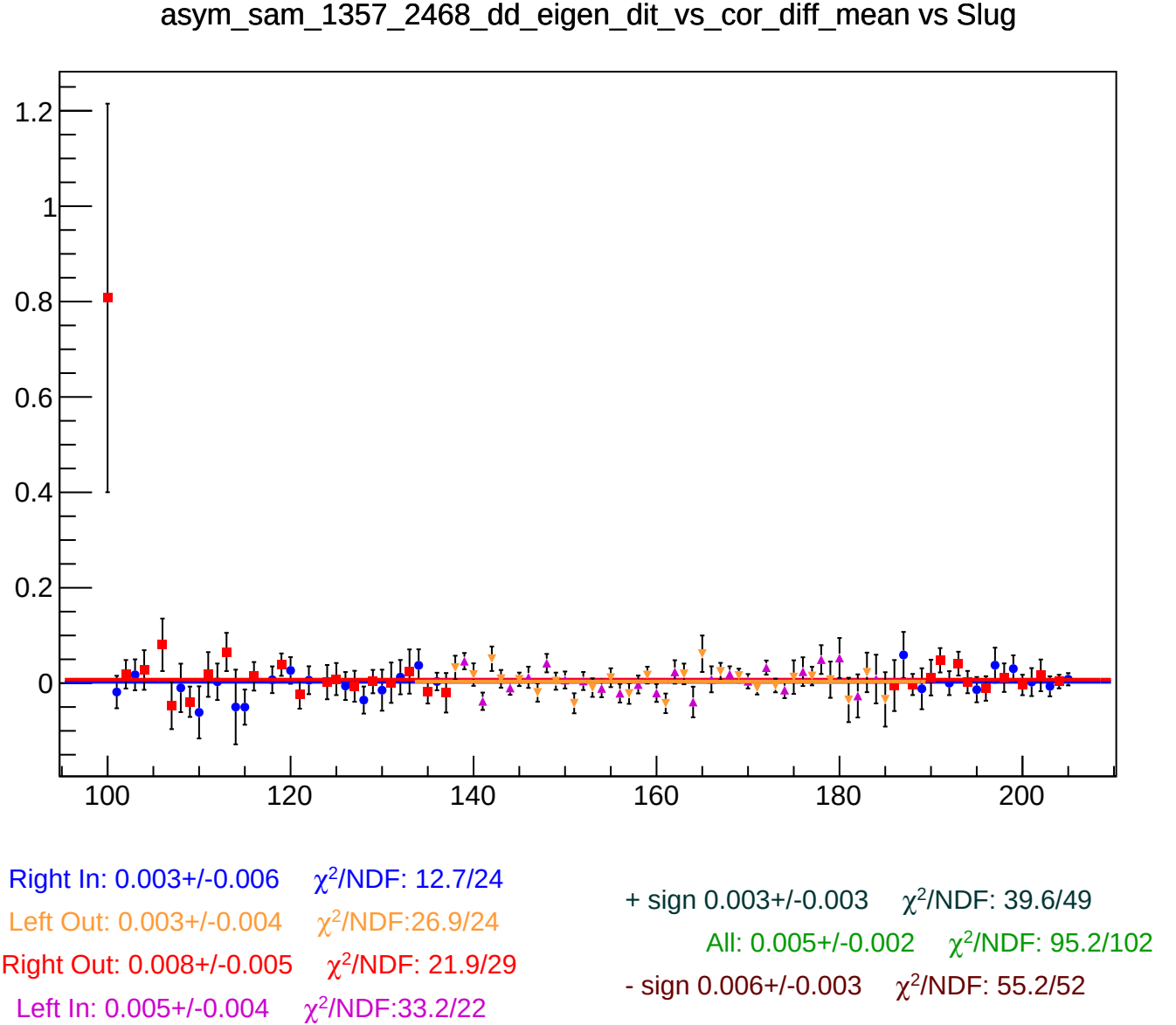
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

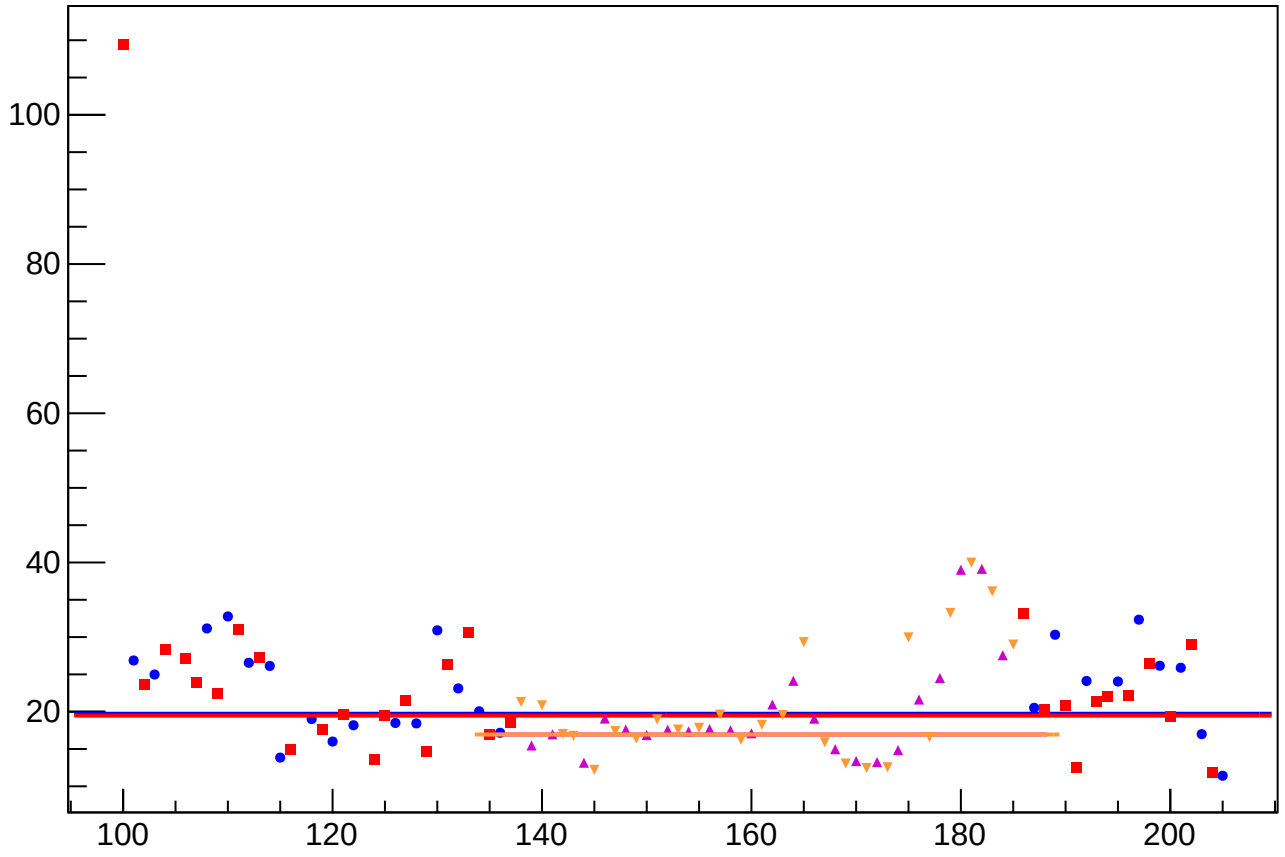
+ sign 0.000+/-0.000 χ^2/NDF: 69.1/49

All: 0.000+/-0.000 χ^2/NDF: 135.3/102

- sign 0.000+/-0.000 χ^2/NDF: 65.3/52


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 4751518.8/24
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 5796976.9/29
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 14170833.9/49
All: 0.001+/-0.000 χ²/NDF: 27240413.9/102
- sign 0.001+/-0.000 χ²/NDF: 12777948.5/52


asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.003+/-0.006 χ²/NDF: 12.7/24
Left Out: 0.003+/-0.004 χ²/NDF:26.9/24
Right Out: 0.008+/-0.005 χ²/NDF: 21.9/29
Left In: 0.005+/-0.004 χ²/NDF:33.2/22
+ sign 0.003+/-0.003 χ²/NDF: 39.6/49
All: 0.005+/-0.002 χ²/NDF: 95.2/102
- sign 0.006+/-0.003 χ²/NDF: 55.2/52



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

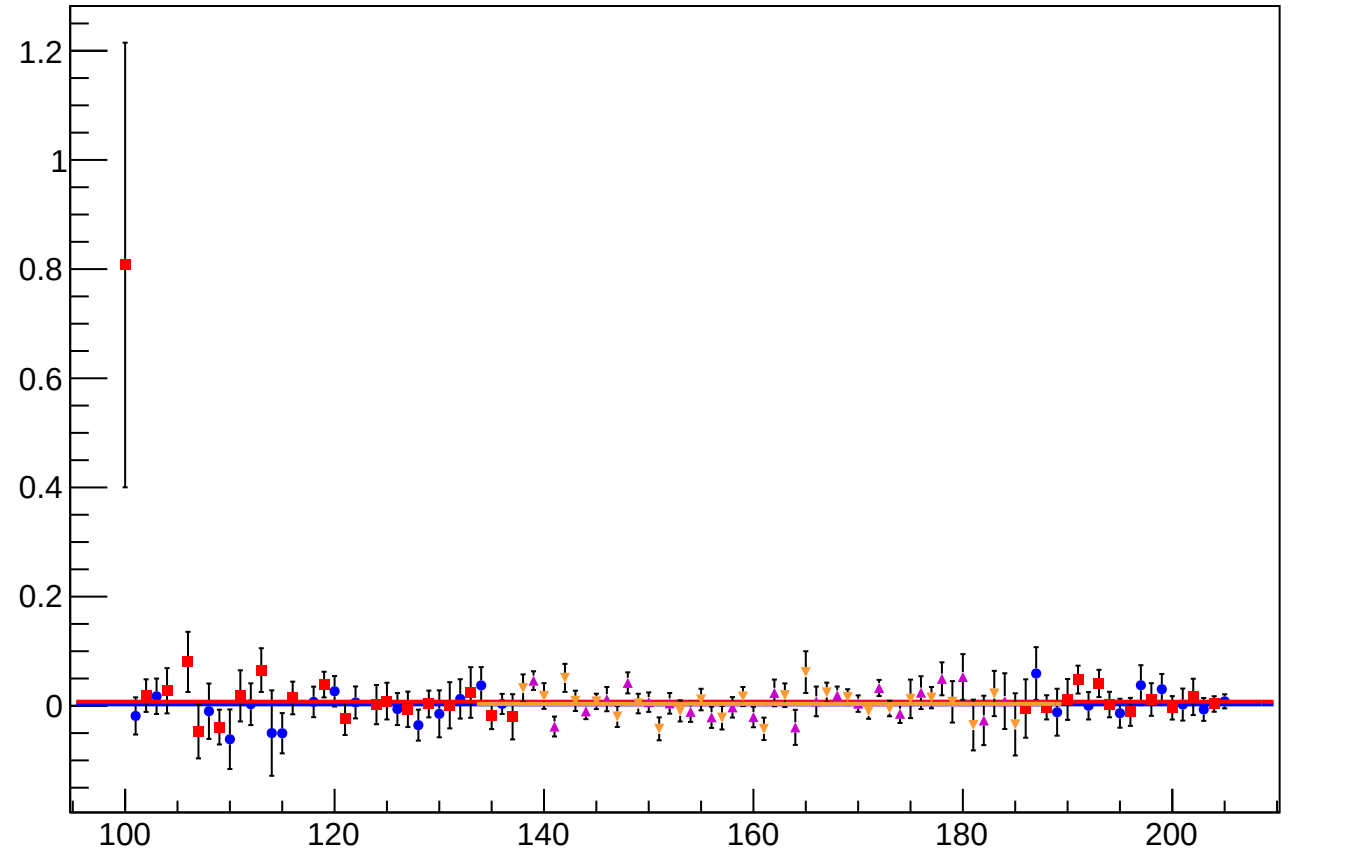
Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.888+/-0.002 χ^2/NDF: 5409467.7/49

All: 17.895+/-0.002 χ^2/NDF: 9698845.6/102

\- sign 17.903+/-0.002 χ^2/NDF: 4289356.9/52



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

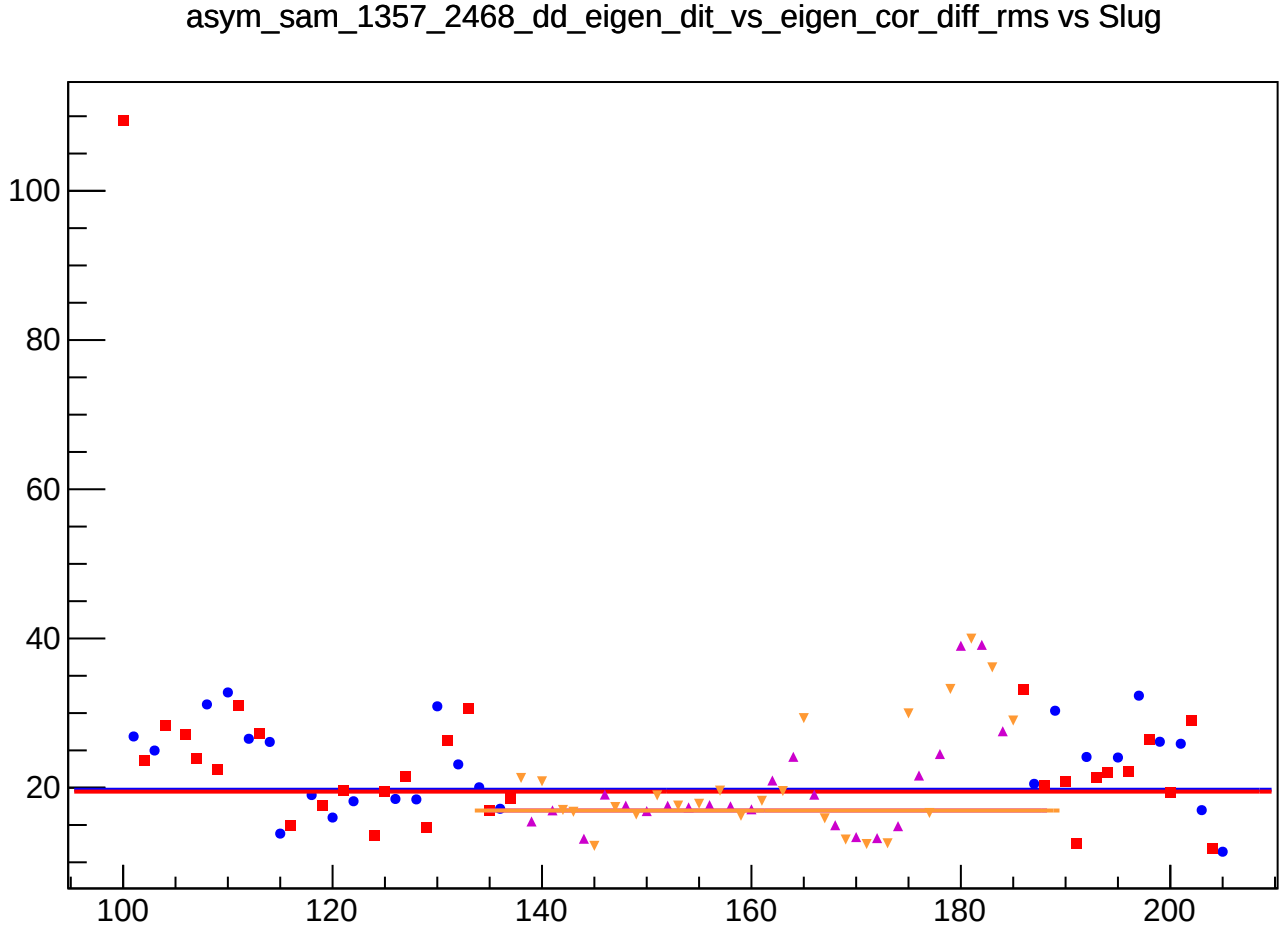
Right Out: 0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 95.2/102

- sign 0.006+/-0.003 χ^2/NDF: 55.2/52



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

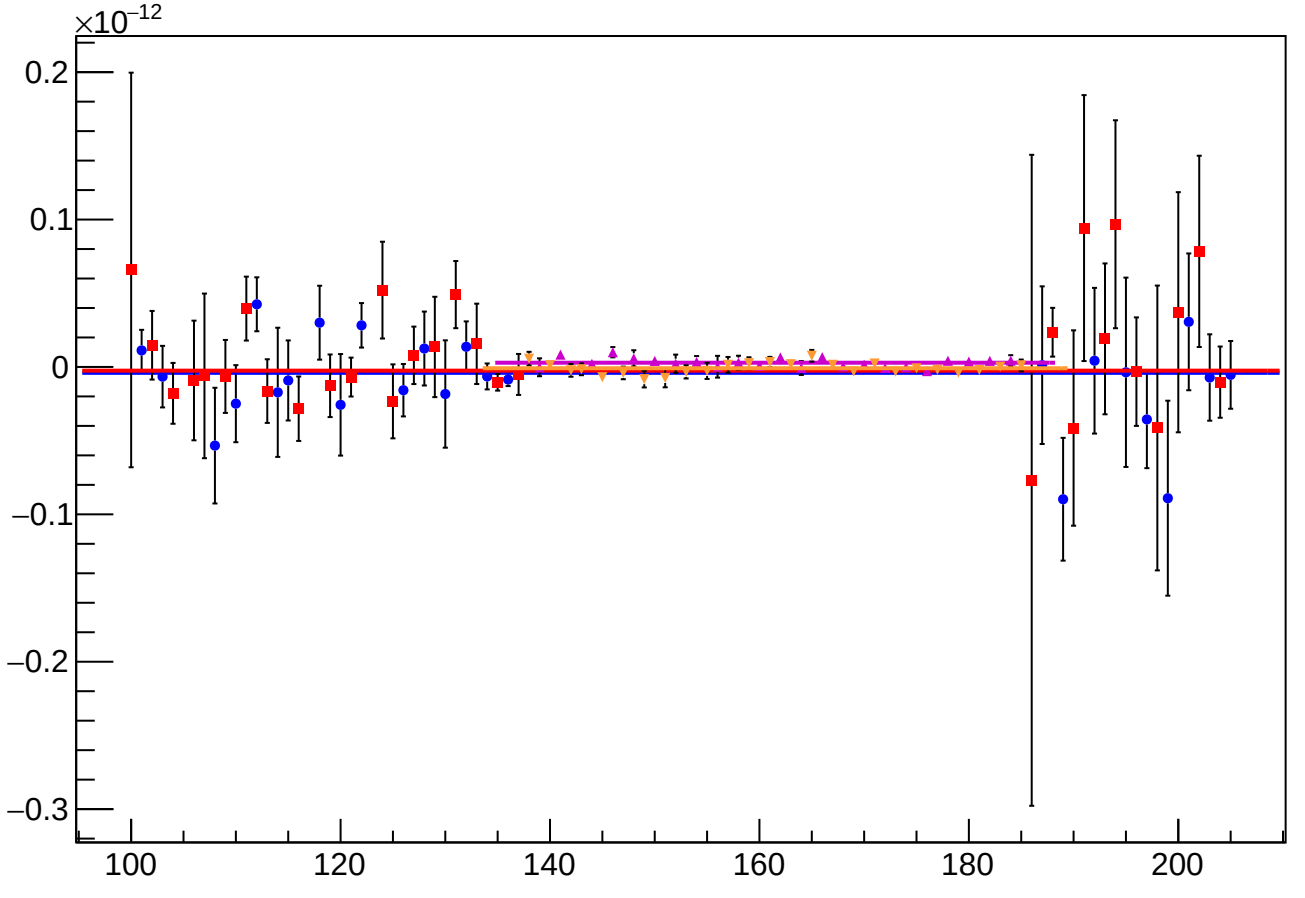
Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.888+/-0.002 χ^2/NDF: 5409467.7/49

All: 17.895+/-0.002 χ^2/NDF: 9698845.6/102

- sign 17.903+/-0.002 χ^2/NDF: 4289356.9/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

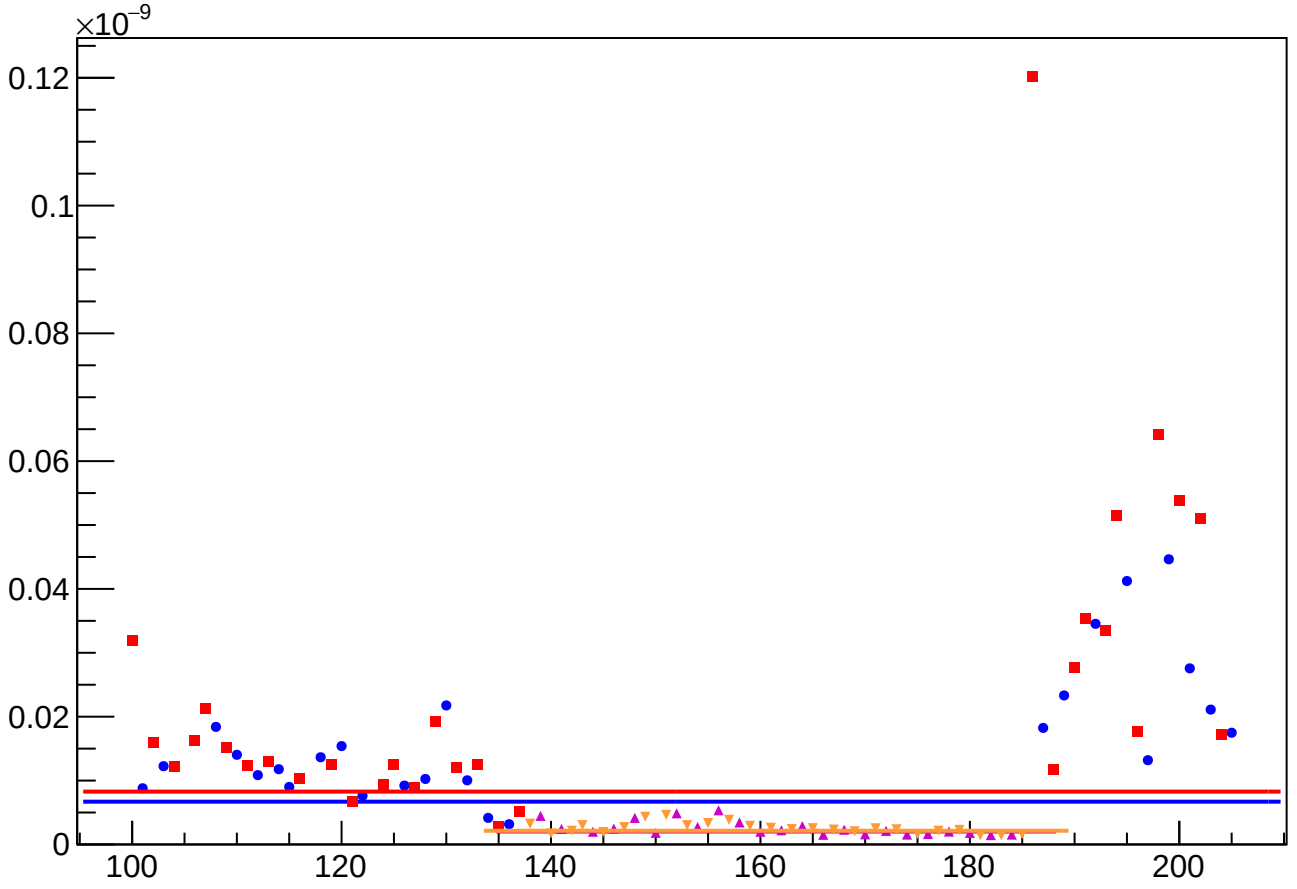
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/49

All: 0.000+/-0.000 χ^2/NDF: 121.9/102

- sign 0.000+/-0.000 χ^2/NDF: 52.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 6586253.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083428.8/29

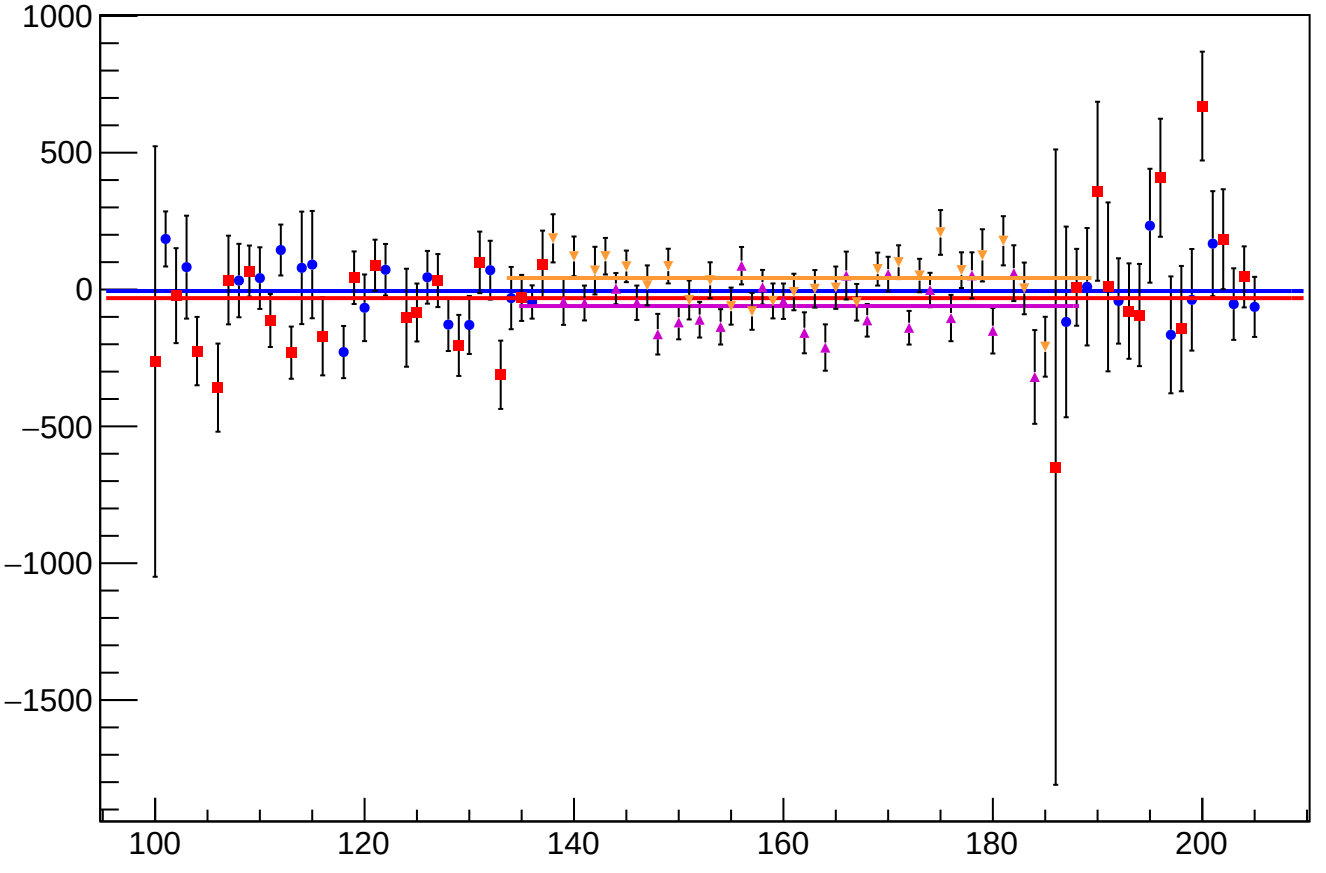
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12770105.4/49

All: 0.000+/-0.000 χ^2/NDF: 28923625.4/102

- sign 0.000+/-0.000 χ^2/NDF: 16116074.1/52

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -5.462+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -31.445+/-23.933 χ^2/NDF: 47.5/29

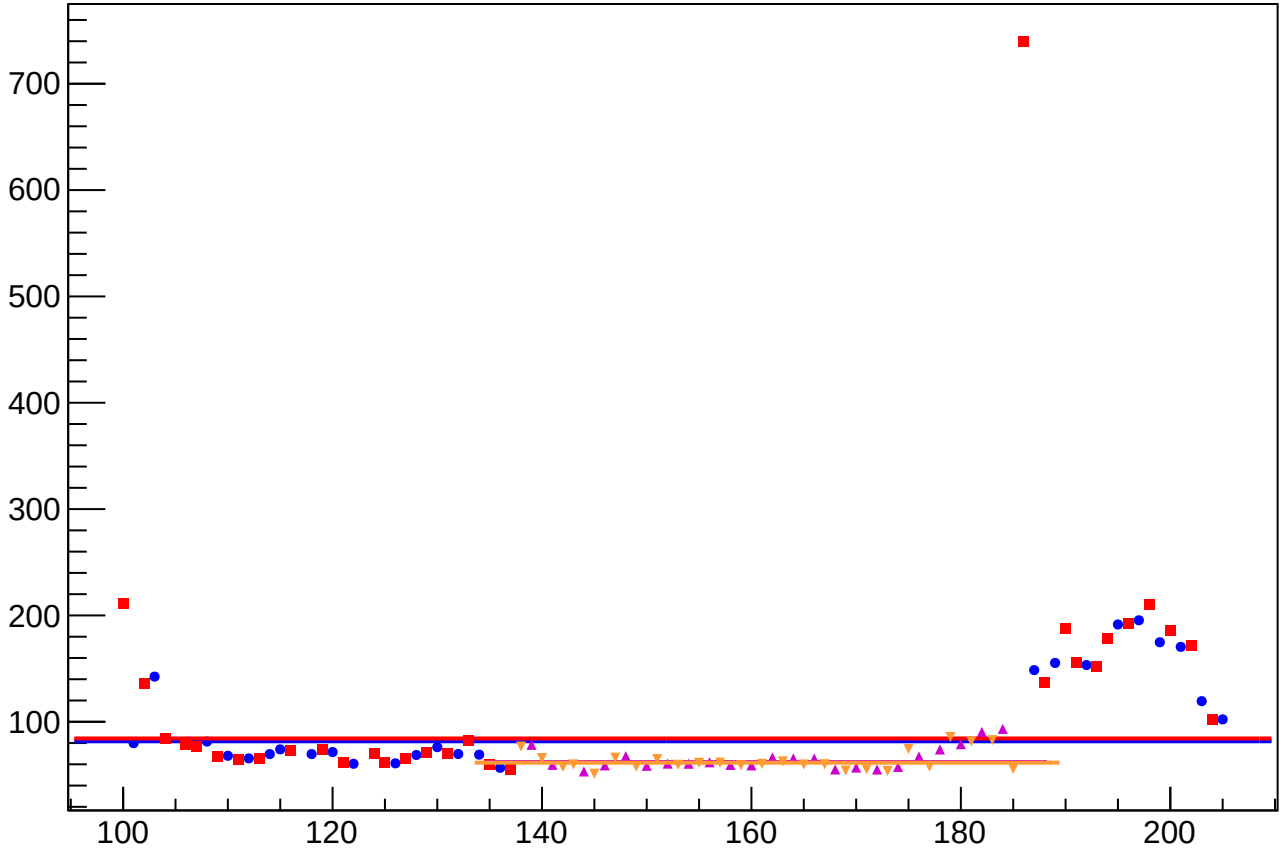
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 29.554+/-12.179 χ^2/NDF: 56.0/49

All: -10.265+/-8.735 χ^2/NDF: 158.8/102

- sign -52.441+/-12.534 χ^2/NDF: 80.8/52

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 81.663+/-0.017 χ^2/NDF: 4001248.8/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

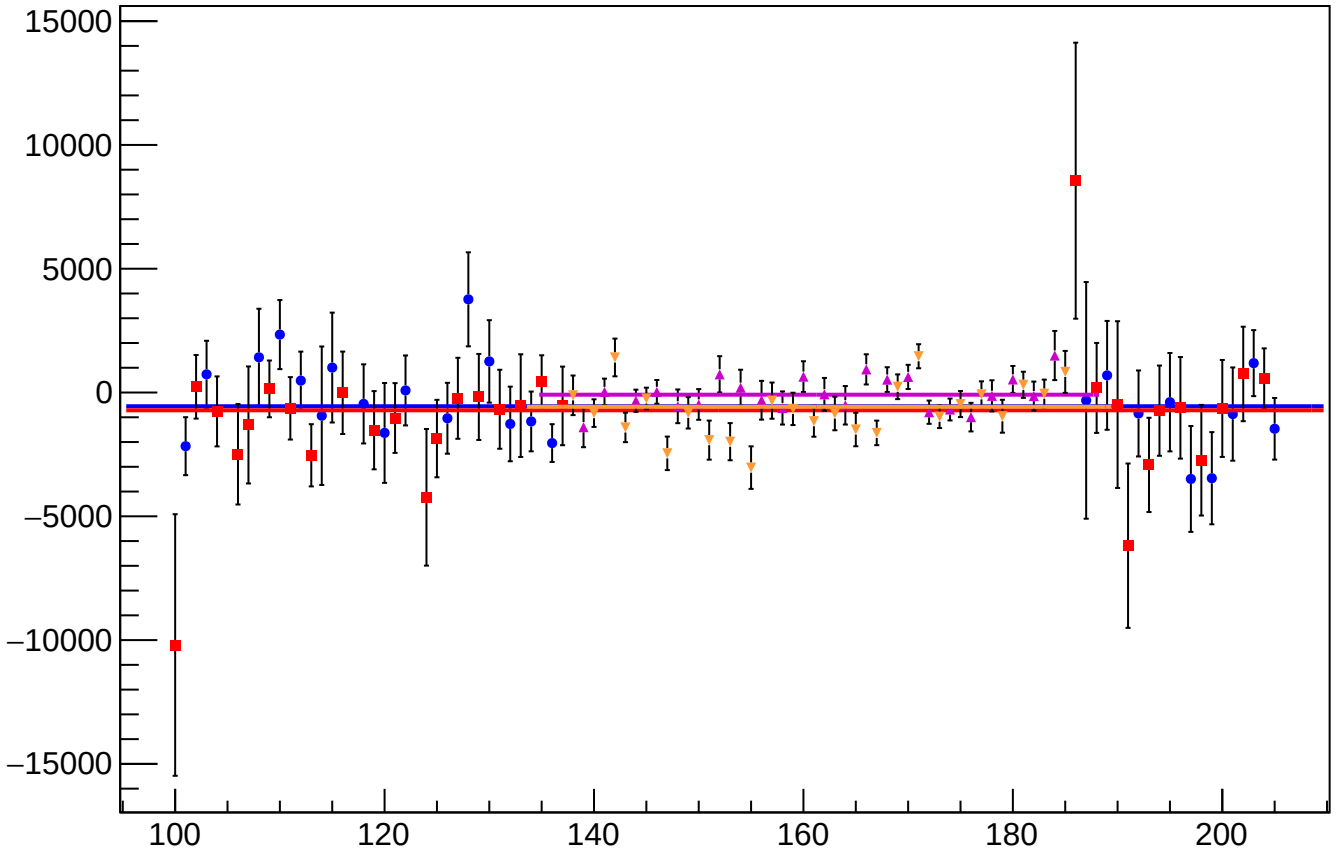
Right Out: 84.313+/-0.017 χ^2/NDF: 5302328.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.824+/-0.009 χ^2/NDF: 5695421.6/49

All: 67.504+/-0.006 χ^2/NDF: 12852632.5/102

- sign 68.225+/-0.009 χ^2/NDF: 7144349.6/52



Right In: -554.746+/-300.844 χ^2/NDF: 27.6/24

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

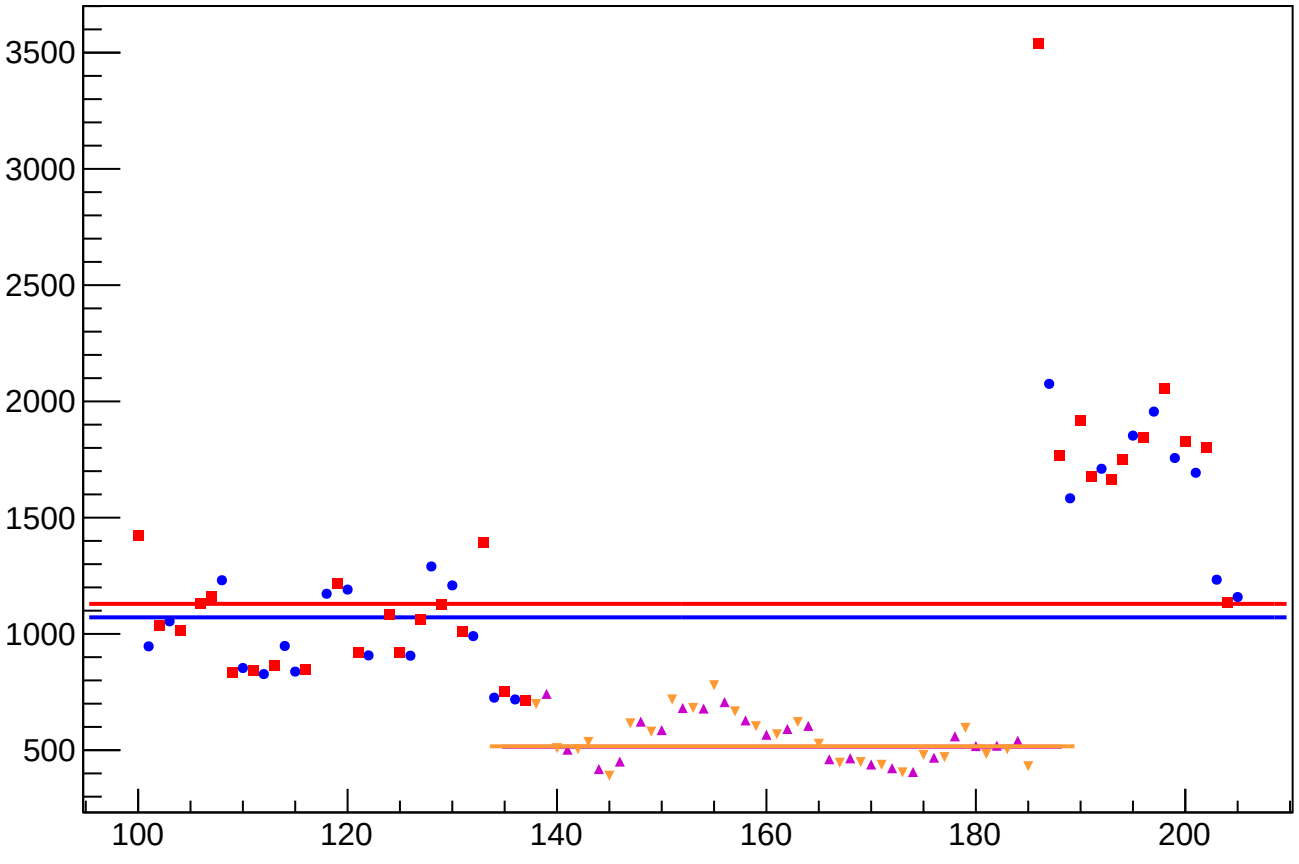
Right Out: -718.235+/-304.941 χ^2/NDF: 20.9/29

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -572.073+/-111.249 χ^2/NDF: 96.4/49

All: -378.218+/-79.505 χ^2/NDF: 151.8/102

- sign -175.851+/-113.665 χ^2/NDF: 49.2/52



Right In: 1071.255+/-0.213 χ^2/NDF: 2552608.7/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1129.228+/-0.216 χ^2/NDF: 3208423.5/29

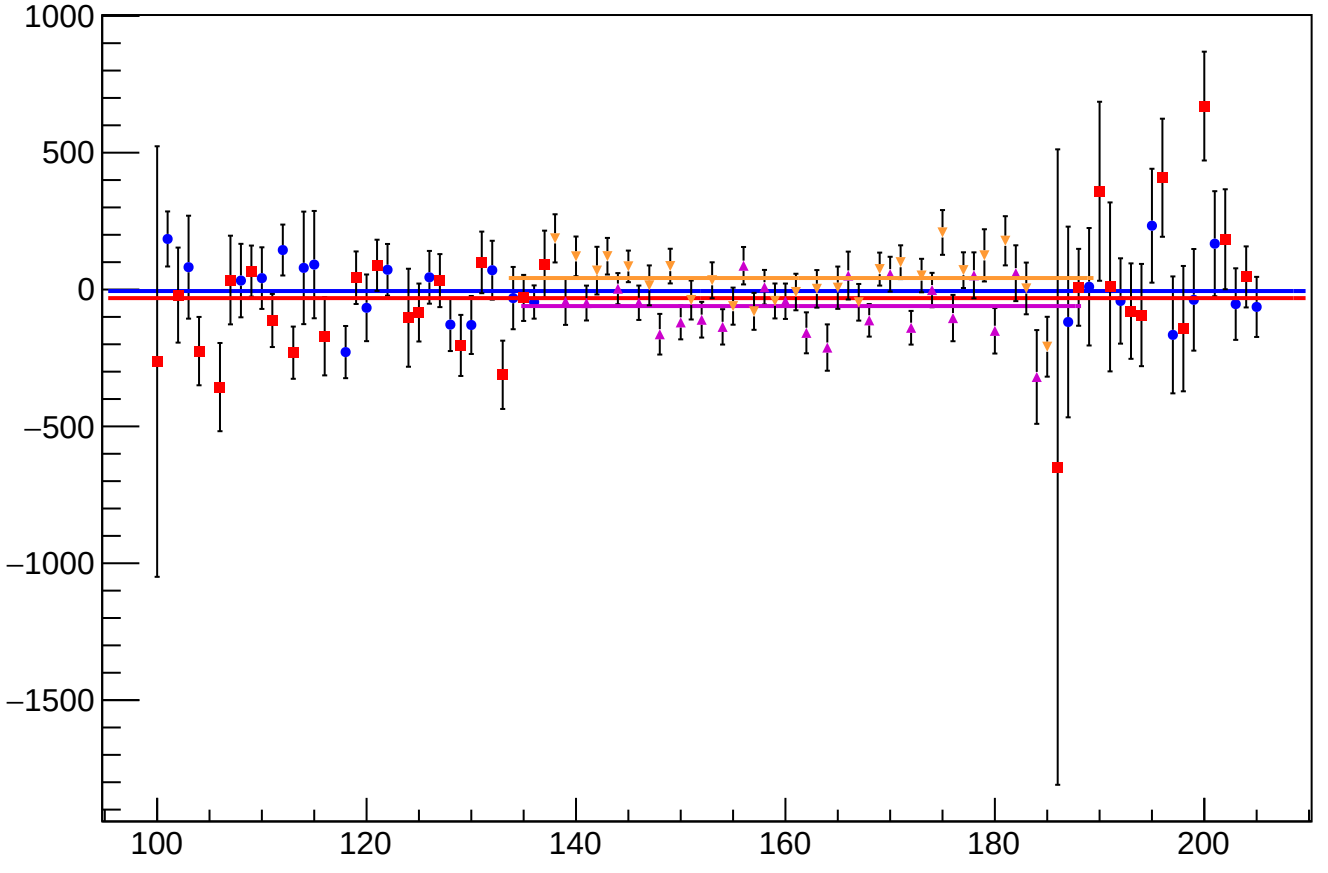
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 592.476+/-0.079 χ^2/NDF: 9685606.7/49

All: 596.231+/-0.056 χ^2/NDF: 21011136.0/10

- sign 600.151+/-0.080 χ^2/NDF: 11320872.2/52

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -31.344+/-23.934 χ^2/NDF: 47.5/29

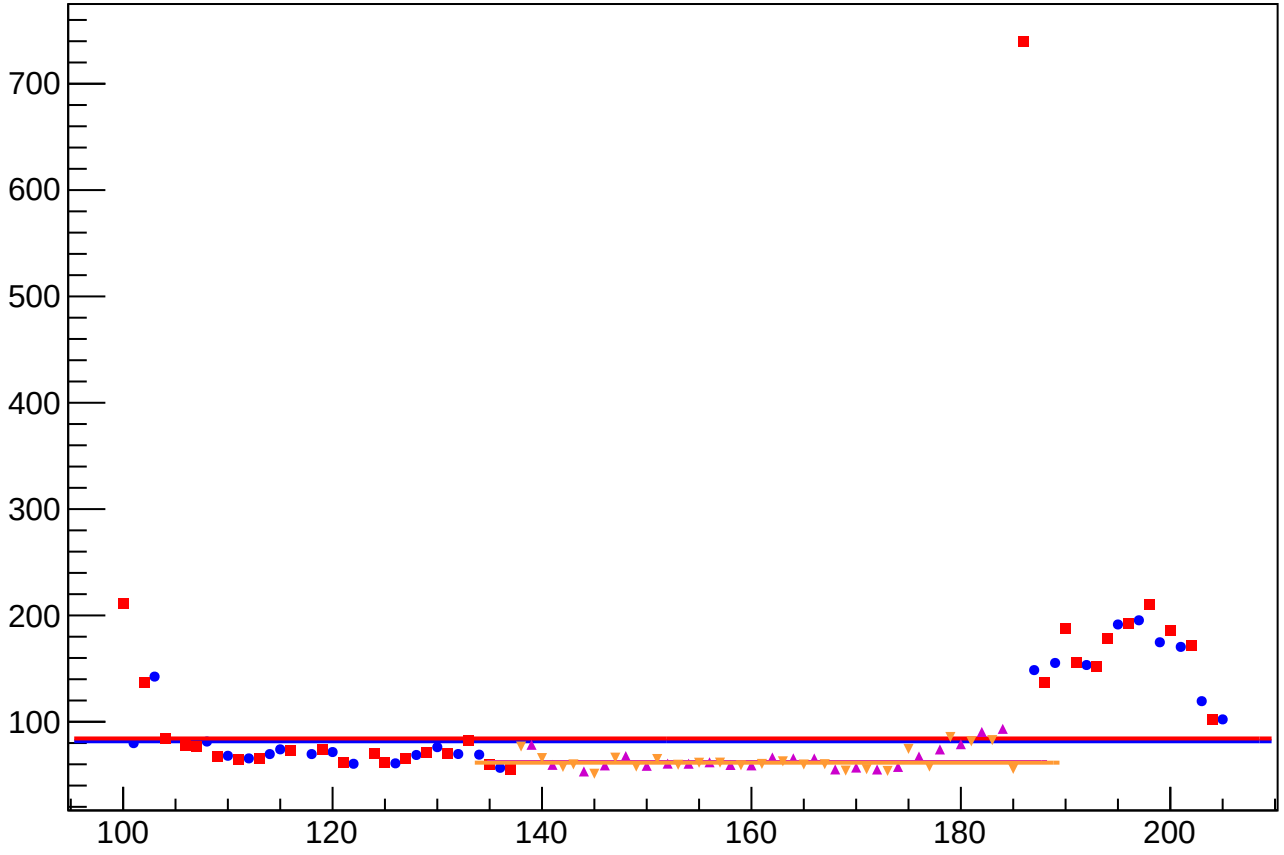
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 29.556+/-12.179 χ^2/NDF: 56.0/49

All: -10.250+/-8.735 χ^2/NDF: 158.7/102

- sign -52.413+/-12.535 χ^2/NDF: 80.7/52

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

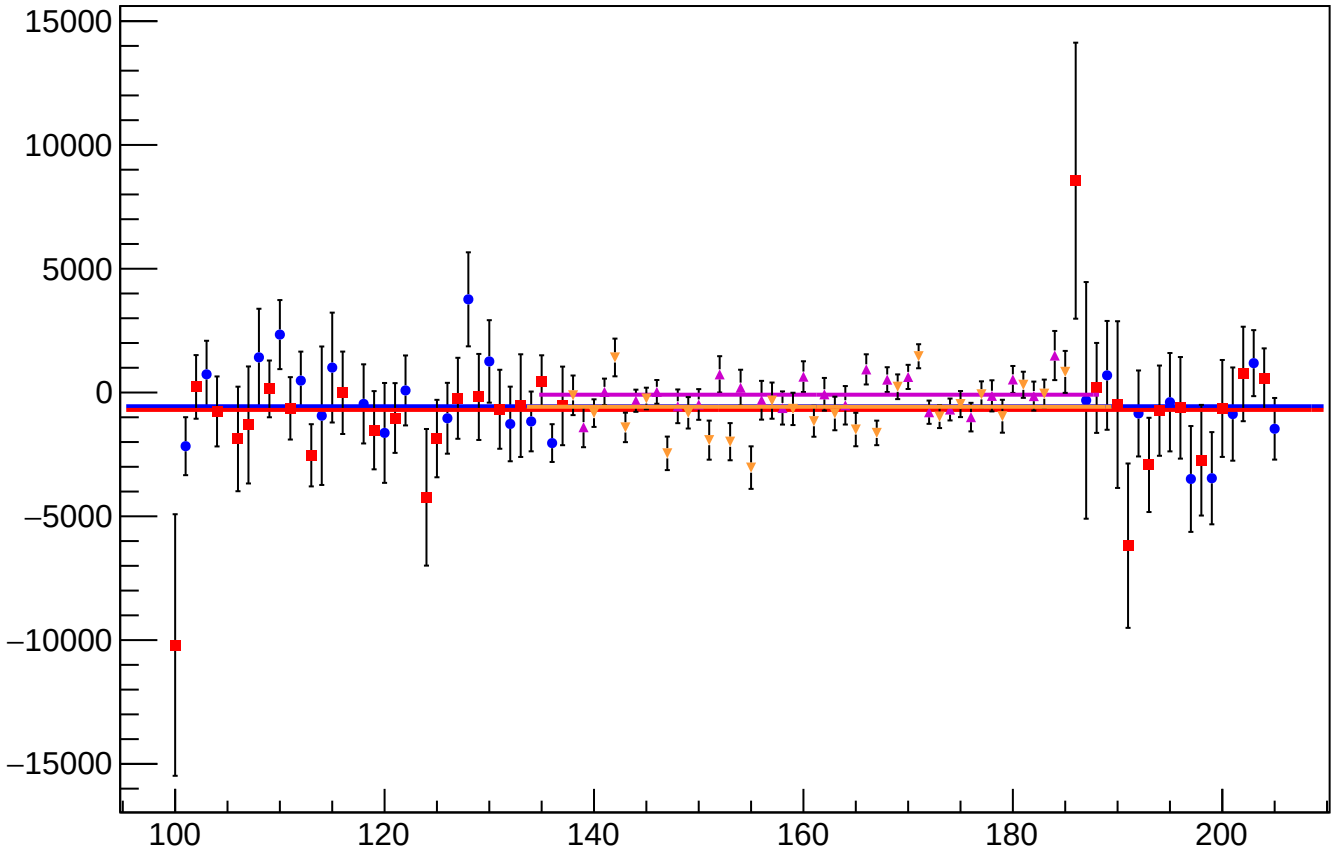
Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.824+/-0.009 χ^2/NDF: 5695424.7/49

All: 67.502+/-0.006 χ^2/NDF: 12851786.4/102

- sign 68.221+/-0.009 χ^2/NDF: 7143580.7/52



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

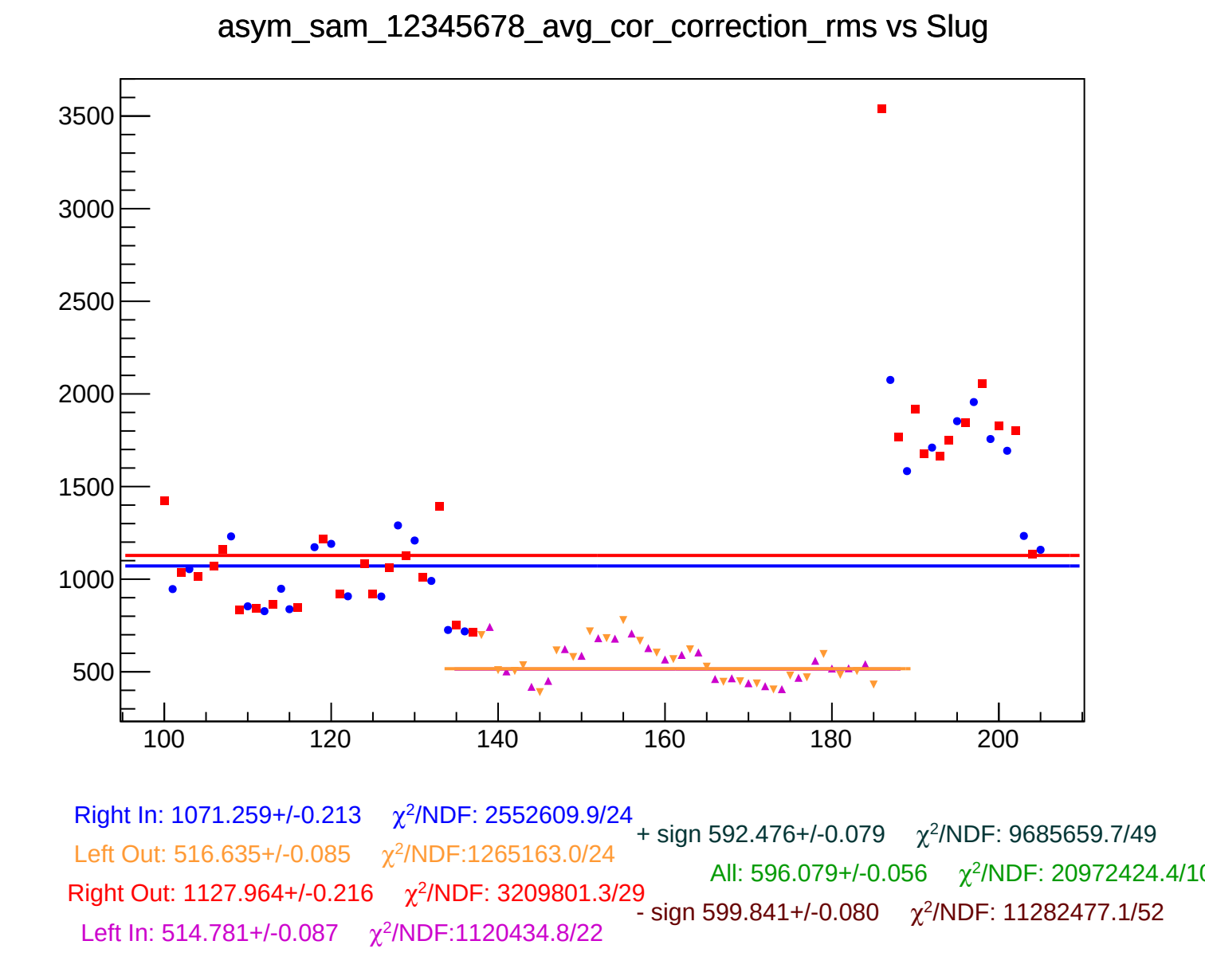
Right Out: -702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

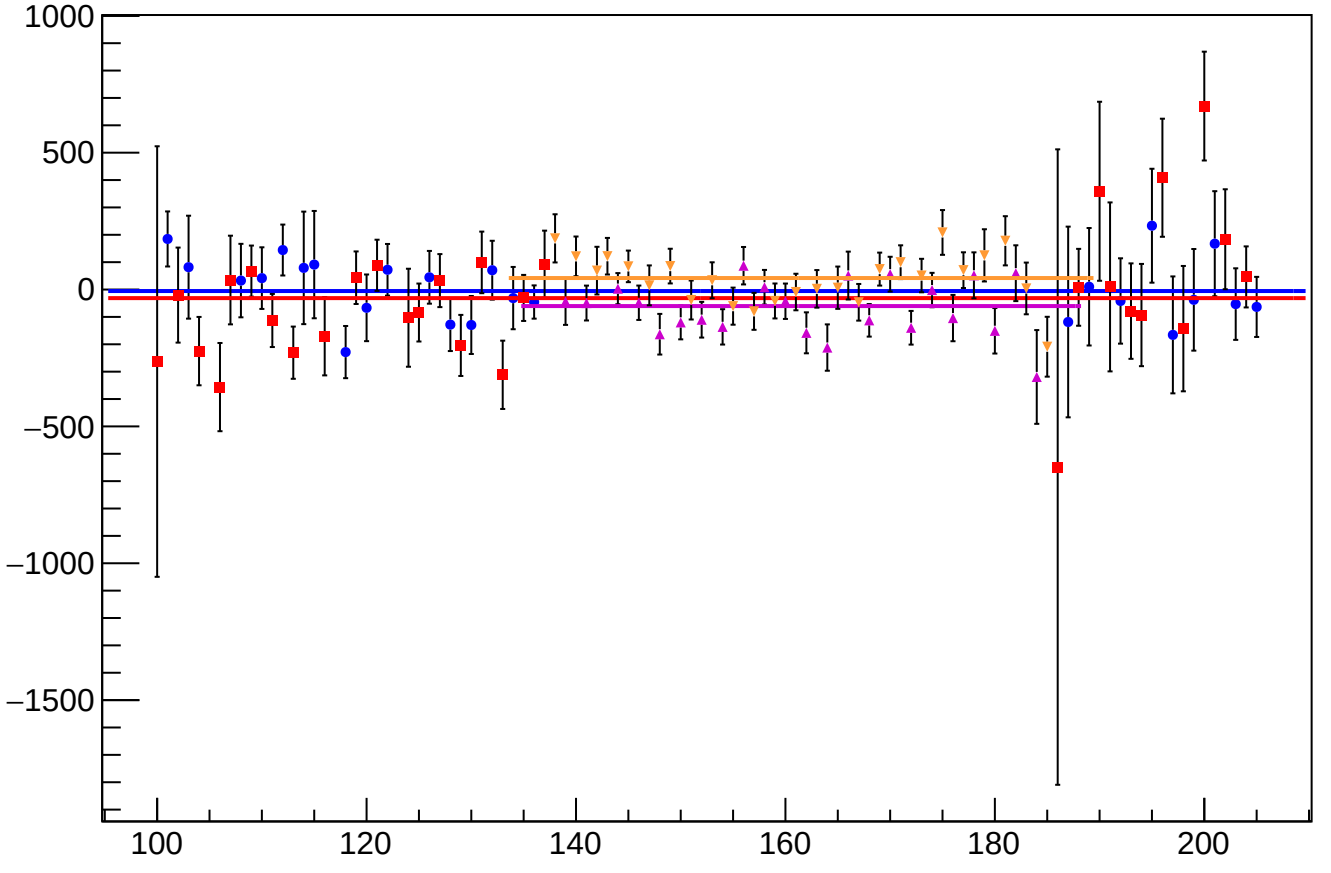
+ sign -572.064+/-111.249 χ^2/NDF: 96.4/49

All: -377.105+/-79.510 χ^2/NDF: 151.2/102

- sign -173.534+/-113.679 χ^2/NDF: 48.5/52


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1071.259+/-0.213 χ²/NDF: 2552609.9/24
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1127.964+/-0.216 χ²/NDF: 3209801.3/29
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 592.476+/-0.079 χ²/NDF: 9685659.7/49
All: 596.079+/-0.056 χ²/NDF: 20972424.4/10
- sign 599.841+/-0.080 χ²/NDF: 11282477.1/52

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -31.344+/-23.934 χ^2/NDF: 47.5/29

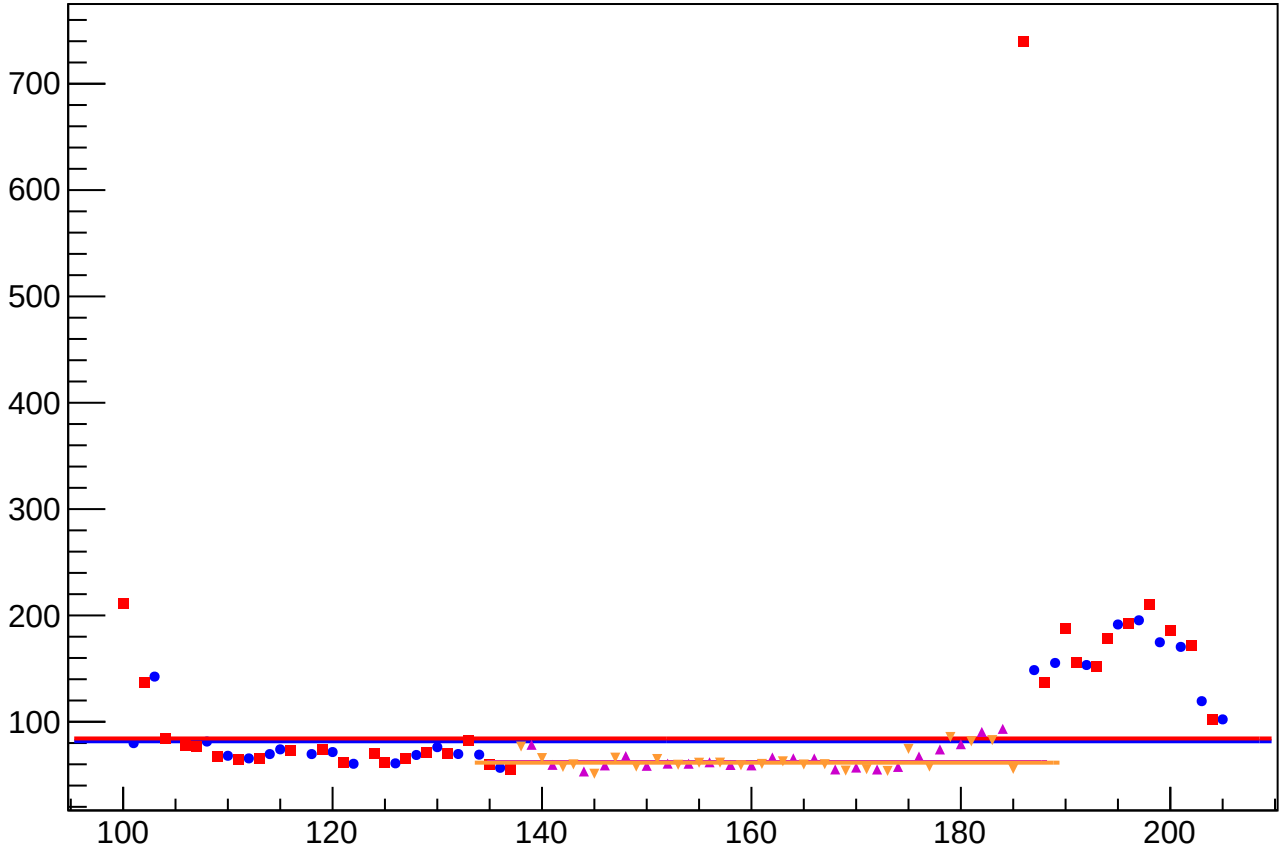
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 29.556+/-12.179 χ^2/NDF: 56.0/49

All: -10.250+/-8.735 χ^2/NDF: 158.7/102

- sign -52.413+/-12.535 χ^2/NDF: 80.7/52

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

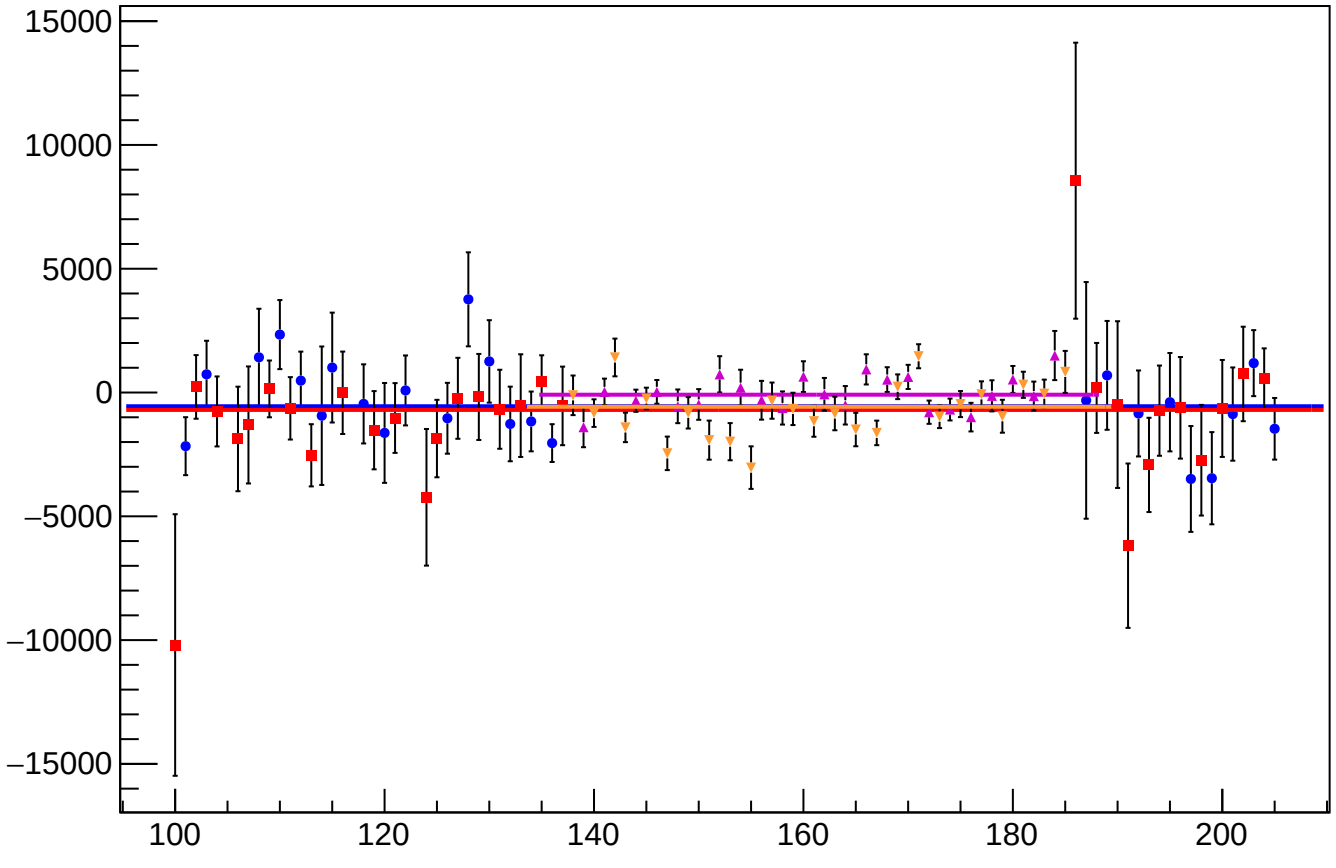
Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.824+/-0.009 χ^2/NDF: 5695424.7/49

All: 67.502+/-0.006 χ^2/NDF: 12851786.4/102

- sign 68.221+/-0.009 χ^2/NDF: 7143580.7/52



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

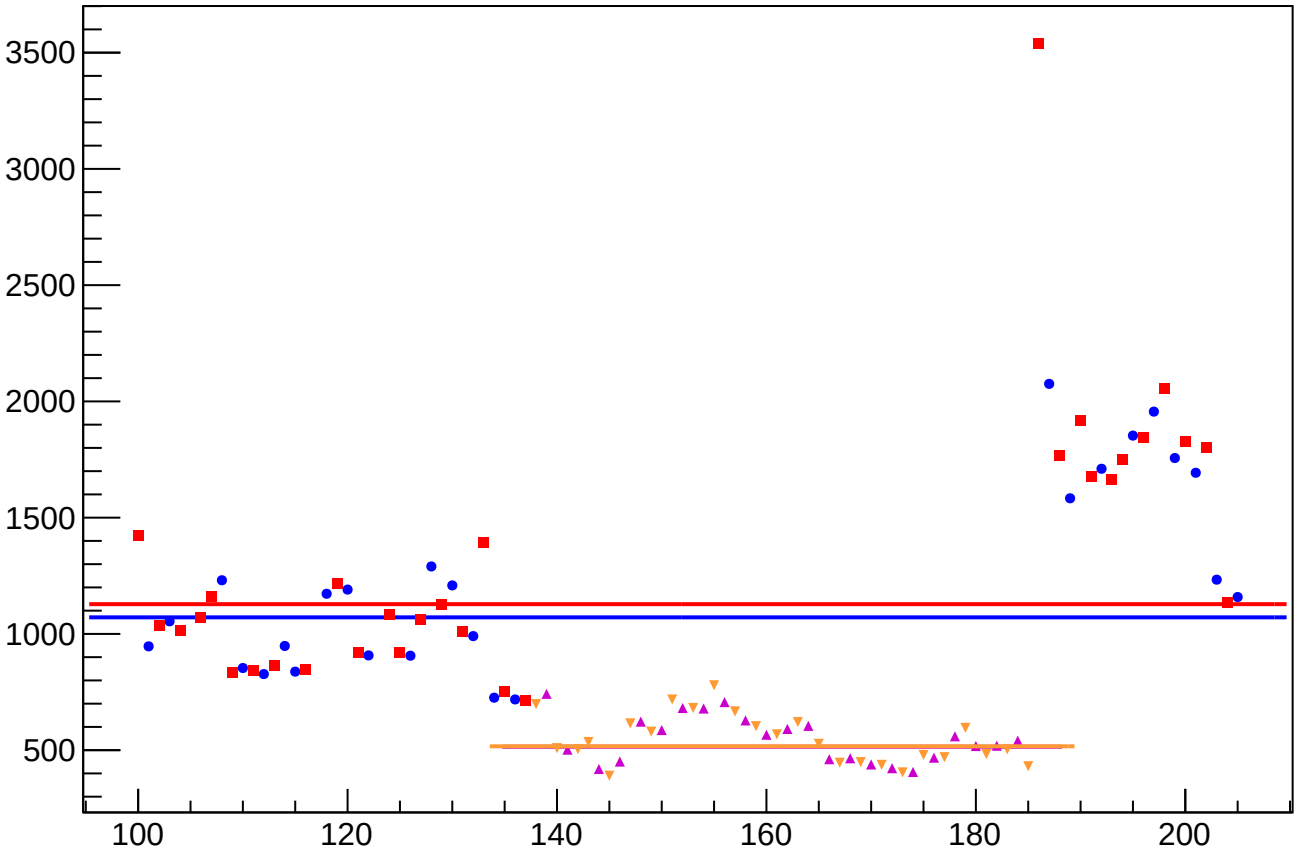
Right Out: -702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -572.064+/-111.249 χ^2/NDF: 96.4/49

All: -377.105+/-79.510 χ^2/NDF: 151.2/102

- sign -173.534+/-113.679 χ^2/NDF: 48.5/52



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

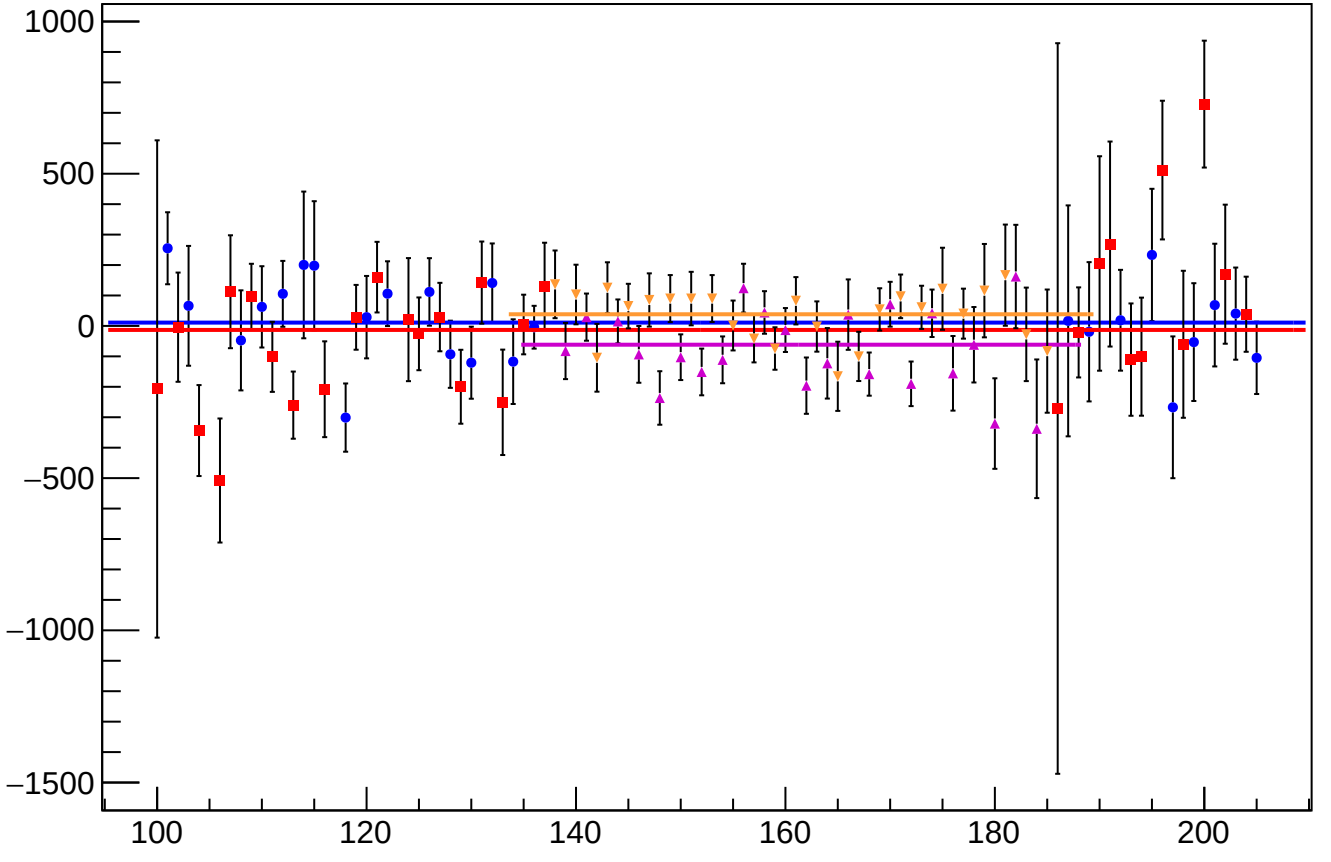
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 592.476+/-0.079 χ^2/NDF: 9685659.7/49

All: 596.079+/-0.056 χ^2/NDF: 20972424.4/10

- sign 599.841+/-0.080 χ^2/NDF: 11282477.1/52

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -13.173+/-27.482 χ^2/NDF: 49.1/29

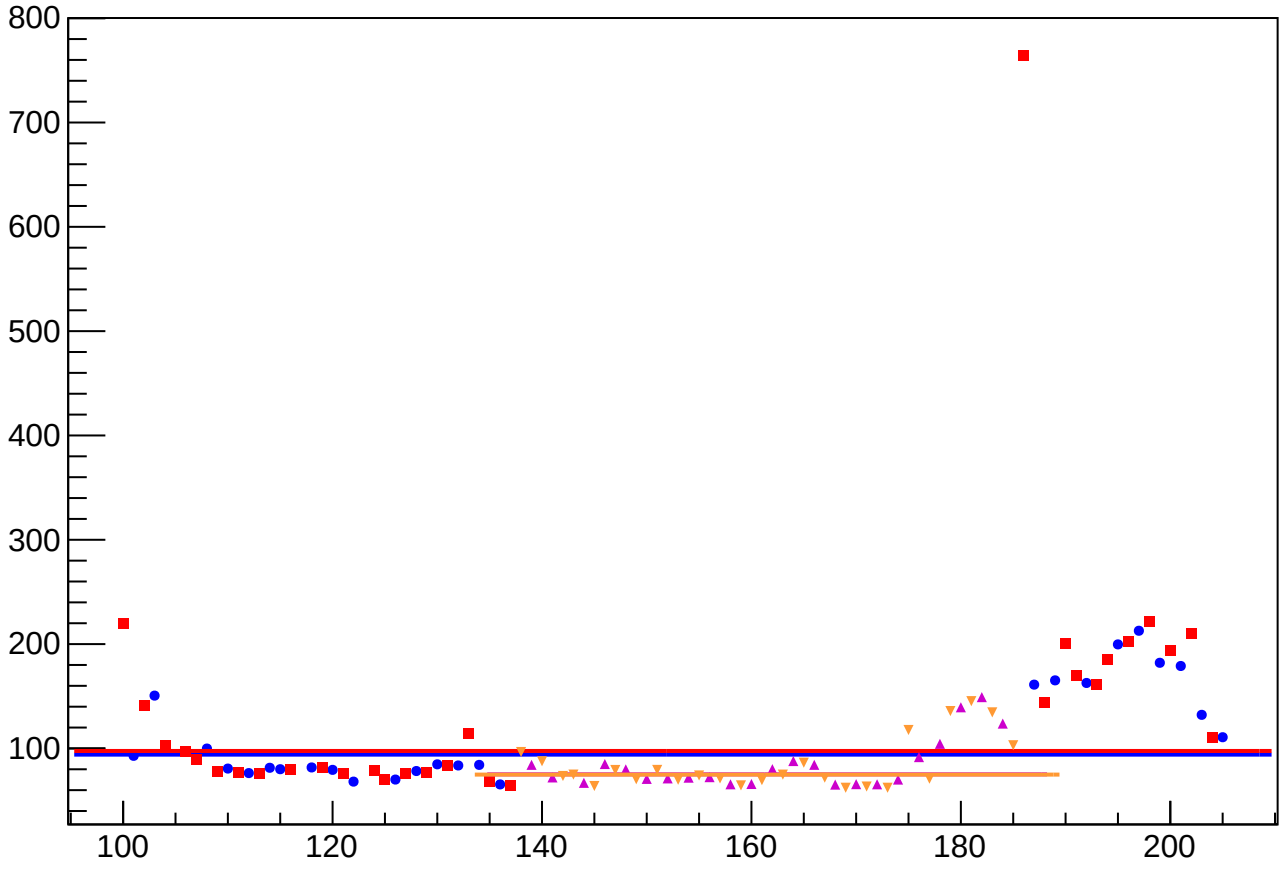
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 30.150+/-14.814 χ^2/NDF: 43.4/49

All: -7.477+/-10.598 χ^2/NDF: 144.6/102

- sign -46.931+/-15.169 χ^2/NDF: 88.0/52

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 94.045+/-0.019 χ^2/NDF: 3449571.9/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 97.558+/-0.019 χ^2/NDF: 4711843.3/29

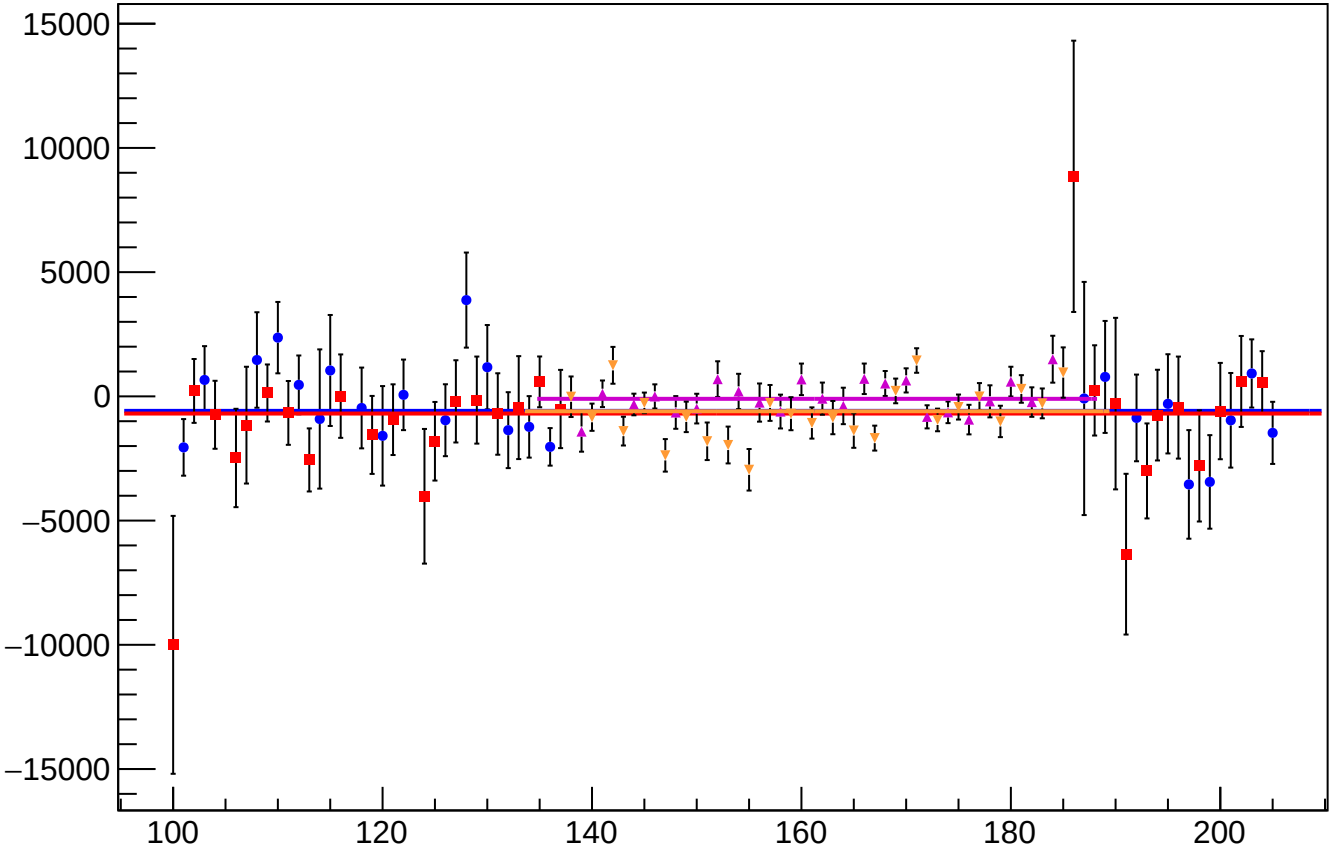
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 80.590+/-0.010 χ^2/NDF: 5808565.1/49

All: 81.269+/-0.007 χ^2/NDF: 12765633.8/102

- sign 81.981+/-0.011 χ^2/NDF: 6948463.6/52

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -584.123+/-302.631 χ^2/NDF: 26.7/24

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -691.590+/-304.636 χ^2/NDF: 21.8/29

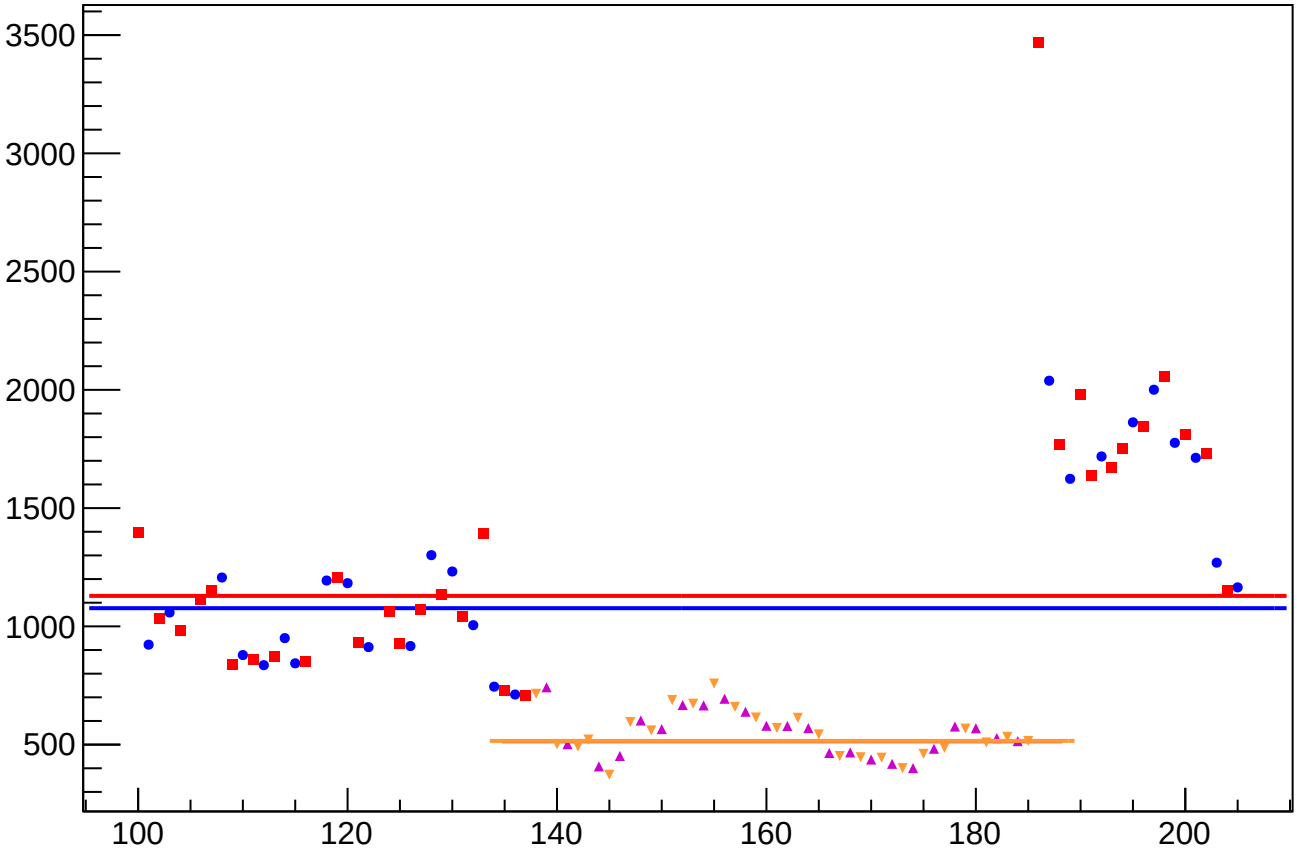
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -596.848+/-111.007 χ^2/NDF: 91.8/49

All: -393.721+/-79.362 χ^2/NDF: 147.4/102

- sign -181.352+/-113.504 χ^2/NDF: 48.8/52

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1076.911+/-0.214 χ^2/NDF: 2605959.5/24

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1128.872+/-0.215 χ^2/NDF: 3192913.1/29

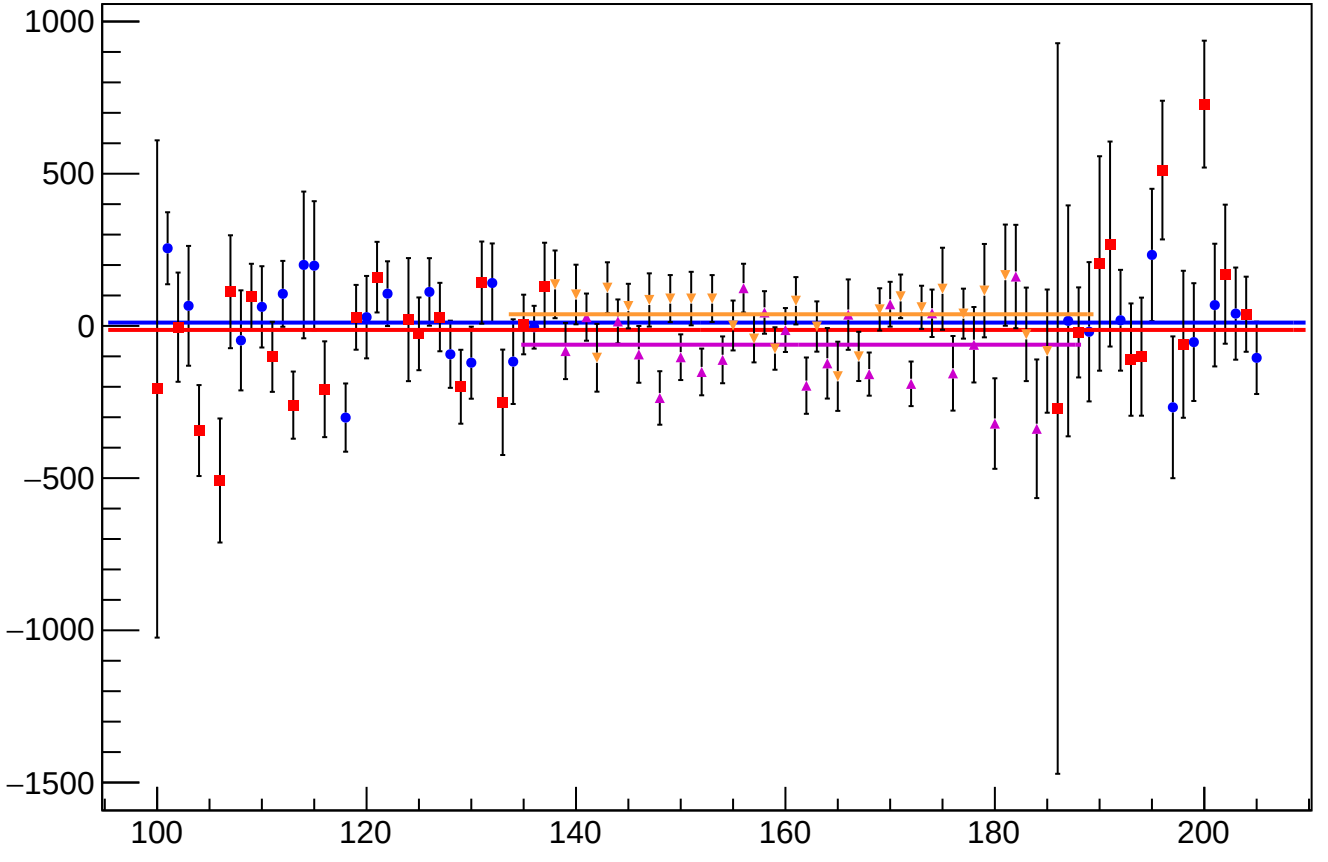
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 591.262+/-0.078 χ^2/NDF: 9789632.6/49

All: 595.257+/-0.056 χ^2/NDF: 21119356.8/10

- sign 599.433+/-0.080 χ^2/NDF: 11324426.7/52

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -13.172+/-27.482 χ^2/NDF: 49.1/29

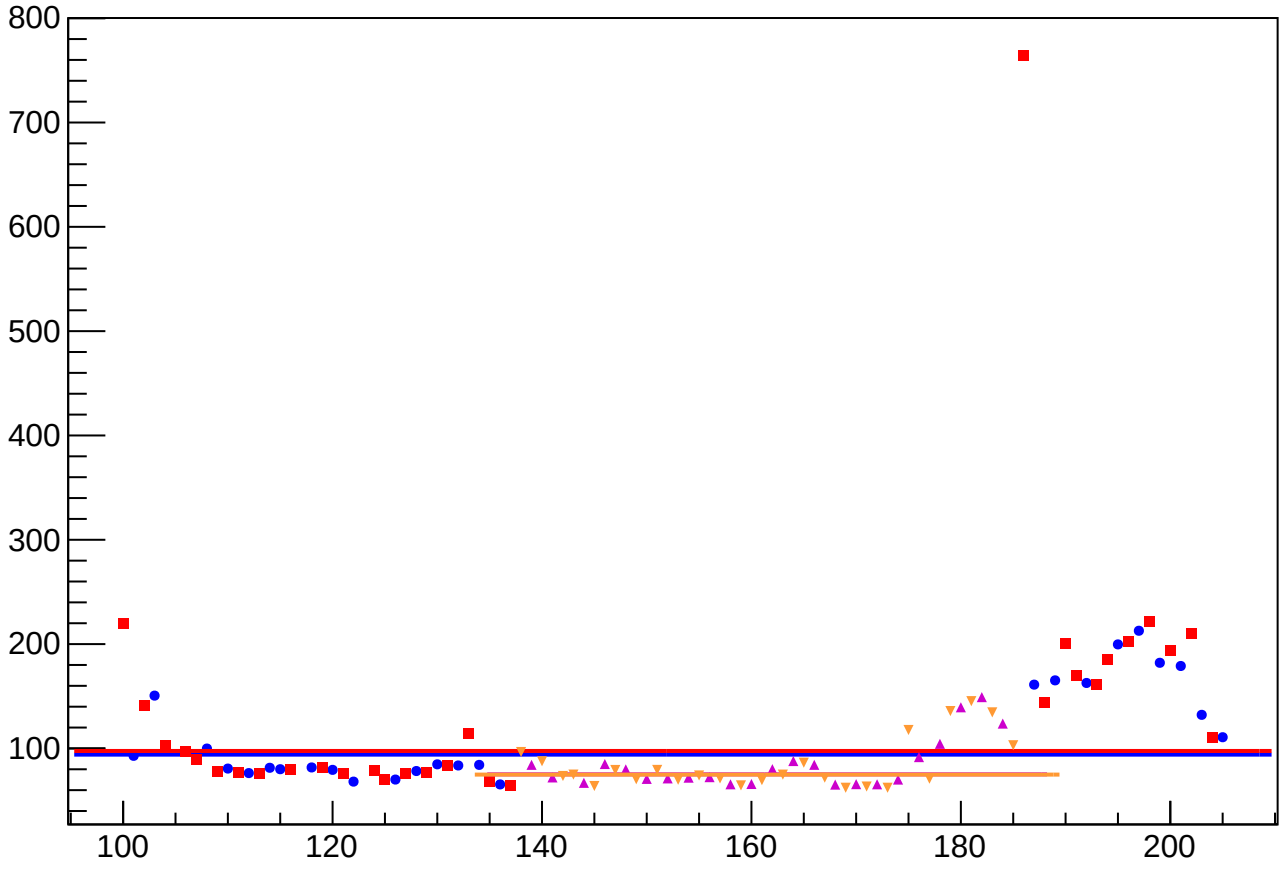
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 30.150+/-14.814 χ^2/NDF: 43.4/49

All: -7.477+/-10.598 χ^2/NDF: 144.6/102

- sign -46.930+/-15.169 χ^2/NDF: 88.0/52

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 94.045+/-0.019 χ^2/NDF: 3449581.8/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

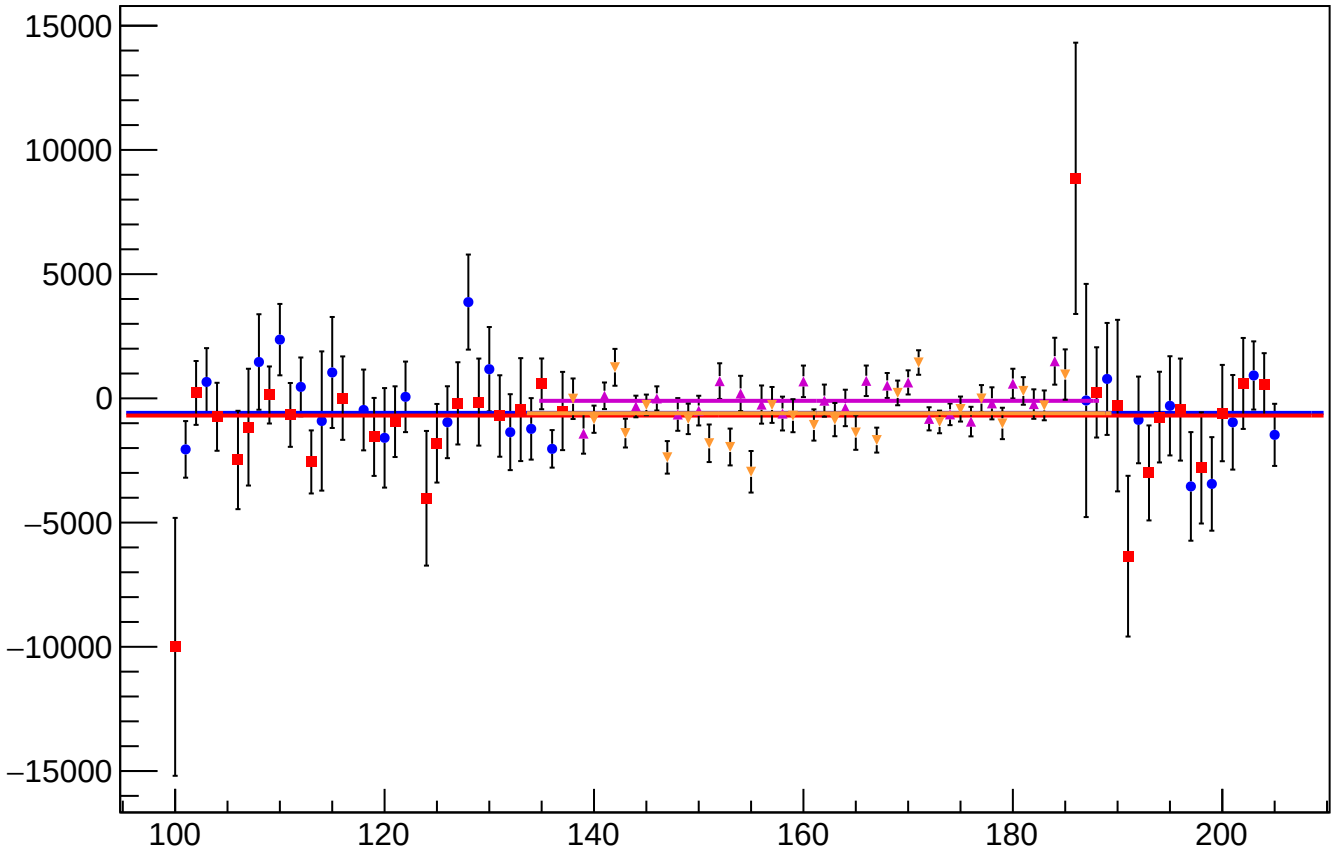
Right Out: 97.557+/-0.019 χ^2/NDF: 4711871.5/29

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 80.590+/-0.010 χ^2/NDF: 5808539.3/49

All: 81.269+/-0.007 χ^2/NDF: 12765583.9/102

- sign 81.981+/-0.011 χ^2/NDF: 6948439.2/52



Right In: -584.120+/-302.631 χ^2/NDF: 26.7/24

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

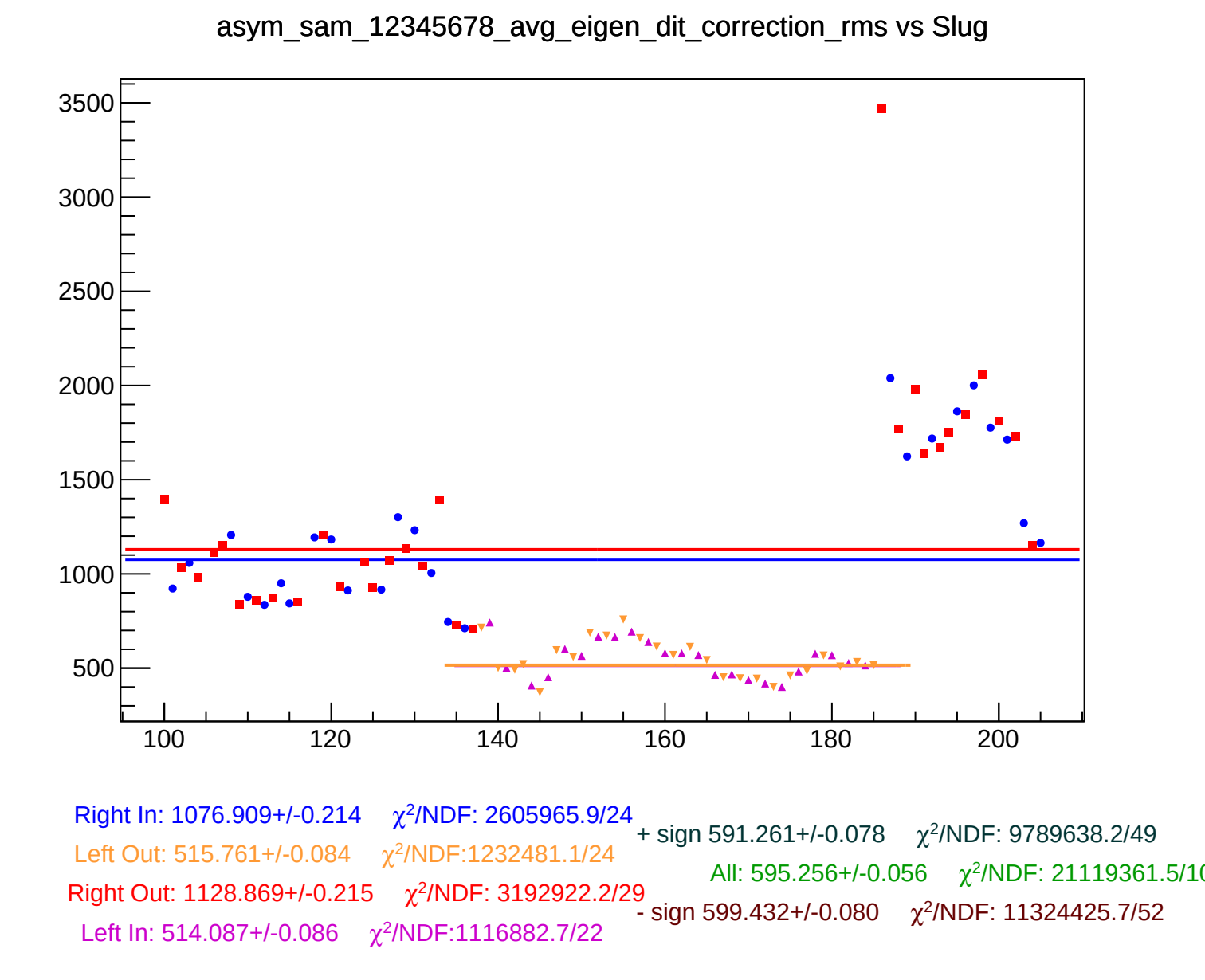
Right Out: -691.590+/-304.636 χ^2/NDF: 21.8/29

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -596.847+/-111.006 χ^2/NDF: 91.8/49

All: -393.720+/-79.362 χ^2/NDF: 147.4/102

- sign -181.352+/-113.504 χ^2/NDF: 48.8/52


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
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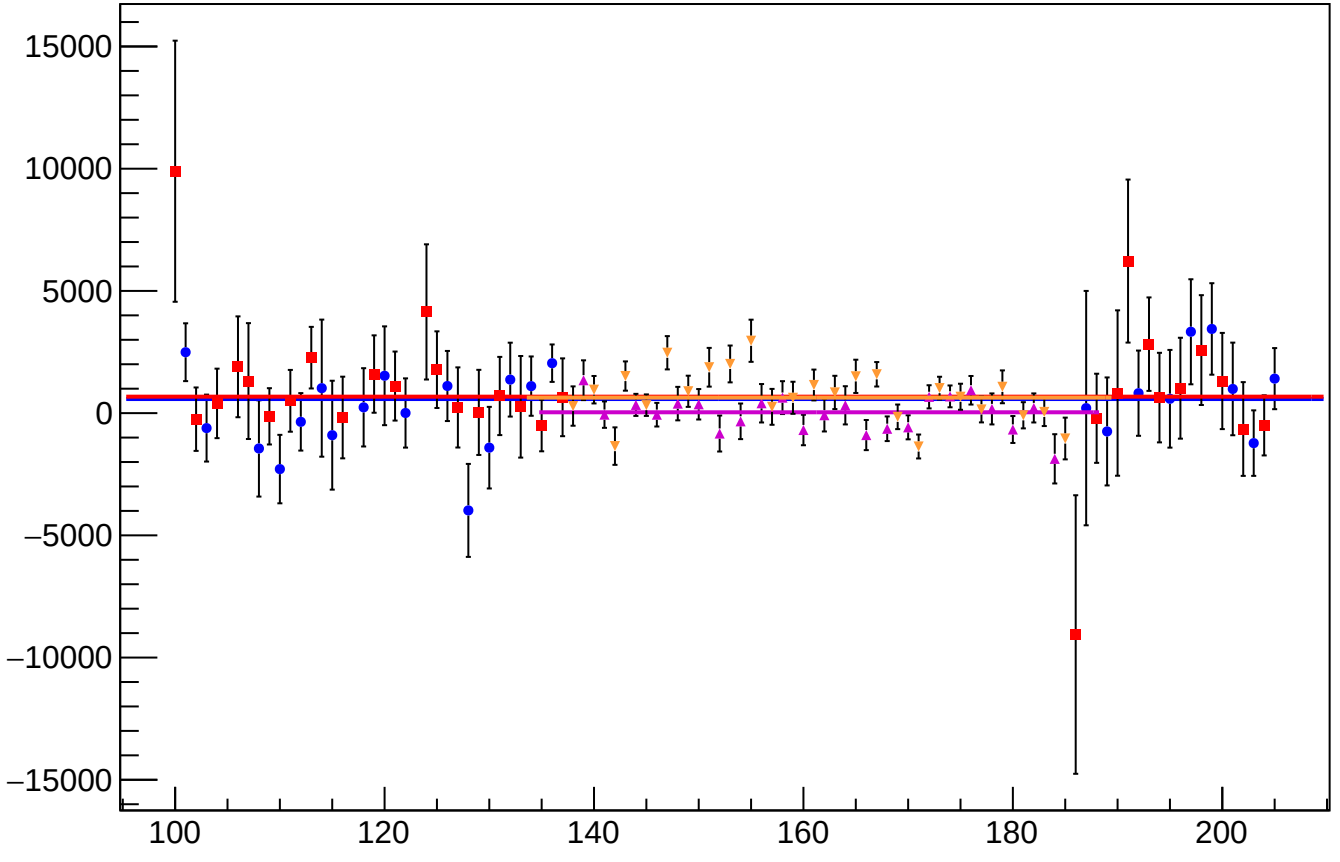
1000
500
100
120
140
160
180
200
Right In: 1076.909+/-0.214 χ²/NDF: 2605965.9/24
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1128.869+/-0.215 χ²/NDF: 3192922.2/29
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 591.261+/-0.078 χ²/NDF: 9789638.2/49
All: 595.256+/-0.056 χ²/NDF: 21119361.5/10
- sign 599.432+/-0.080 χ²/NDF: 11324425.7/52

asym_sam_12345678_avg_mean vs Slug



Right In: 576.786+/-302.183 χ^2/NDF: 28.3/24

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 673.807+/-306.265 χ^2/NDF: 19.7/29

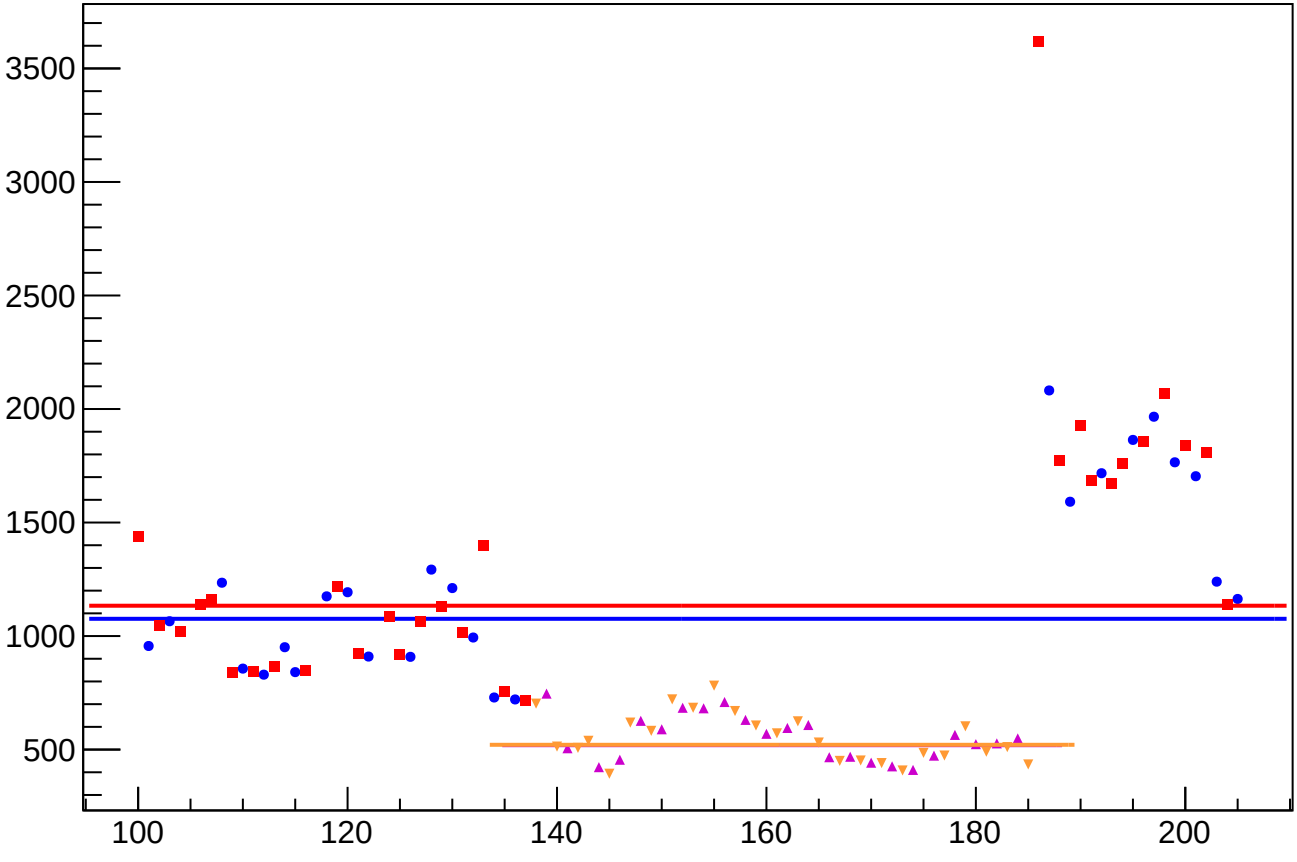
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 626.802+/-112.103 χ^2/NDF: 92.8/49

All: 380.933+/-80.121 χ^2/NDF: 151.2/102

- sign 124.203+/-114.552 χ^2/NDF: 48.6/52

asym_sam_12345678_avg_rms vs Slug



Right In: 1075.948+/-0.214 χ^2/NDF: 2556608.1/24

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

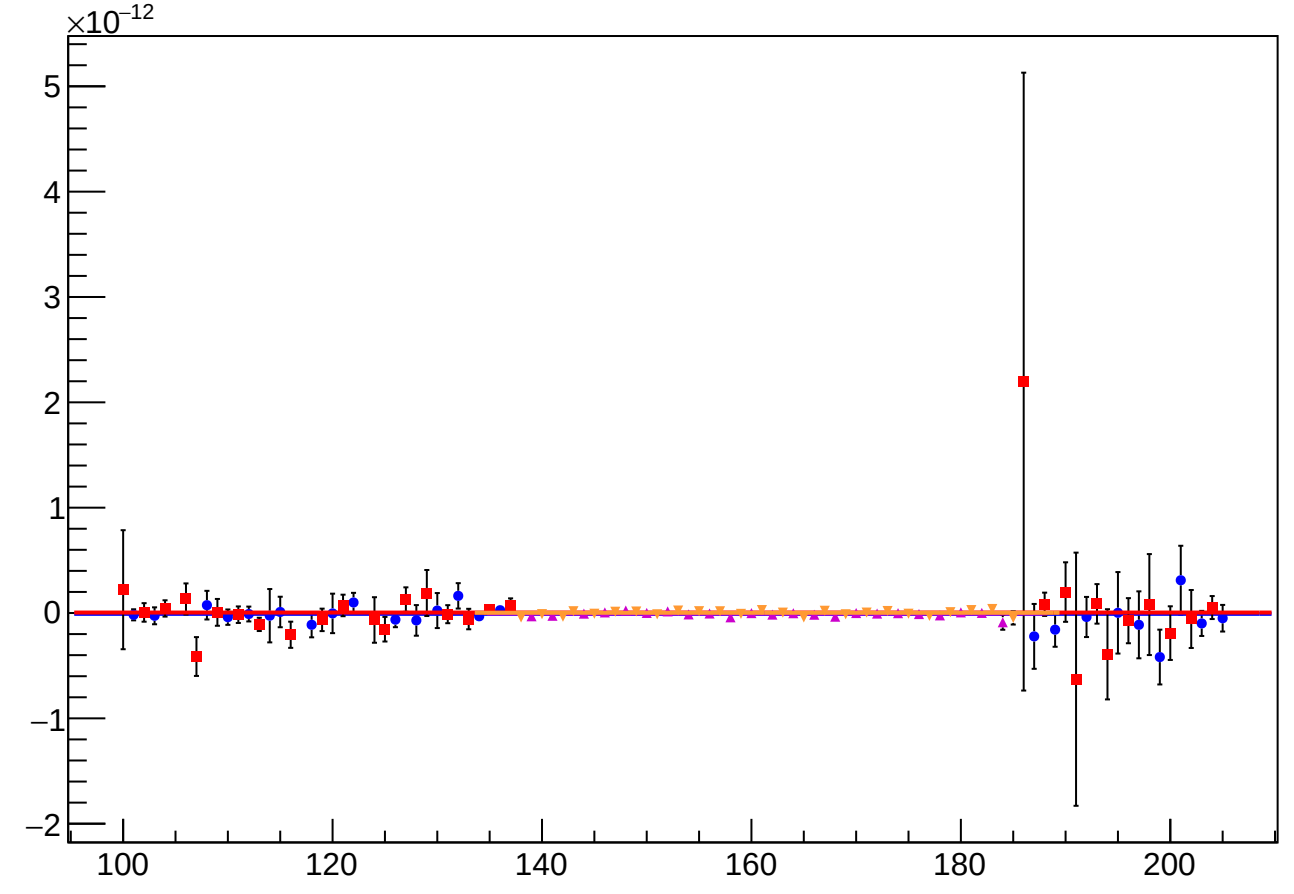
Right Out: 1133.588+/-0.217 χ^2/NDF: 3223424.8/29

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 597.395+/-0.079 χ^2/NDF: 9615977.7/49

All: 601.206+/-0.057 χ^2/NDF: 20866411.6/10

- sign 605.185+/-0.081 χ^2/NDF: 11245709.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

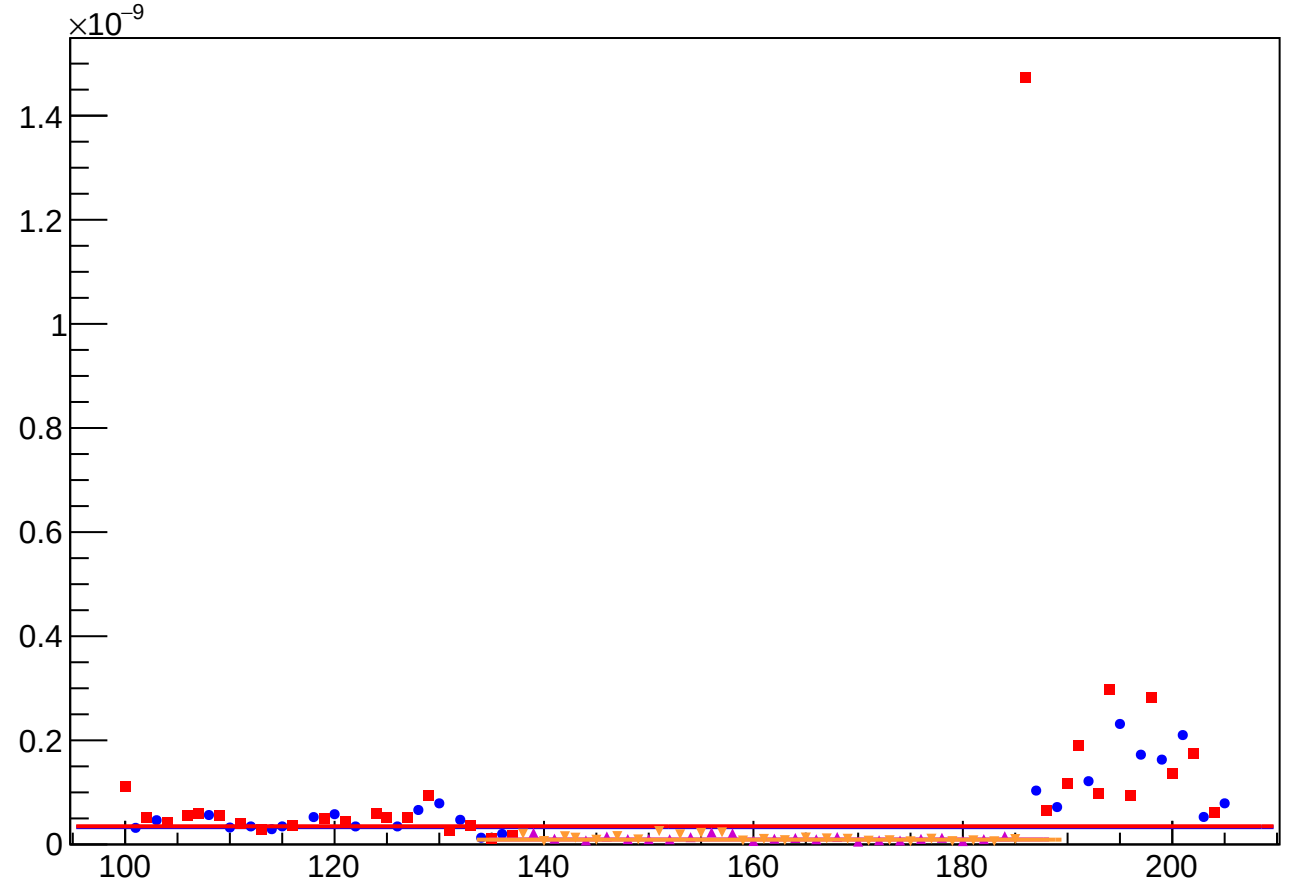
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/29

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/49

All: -0.000+/-0.000 χ^2/NDF: 71.3/102

- sign -0.000+/-0.000 χ^2/NDF: 34.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4250487.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

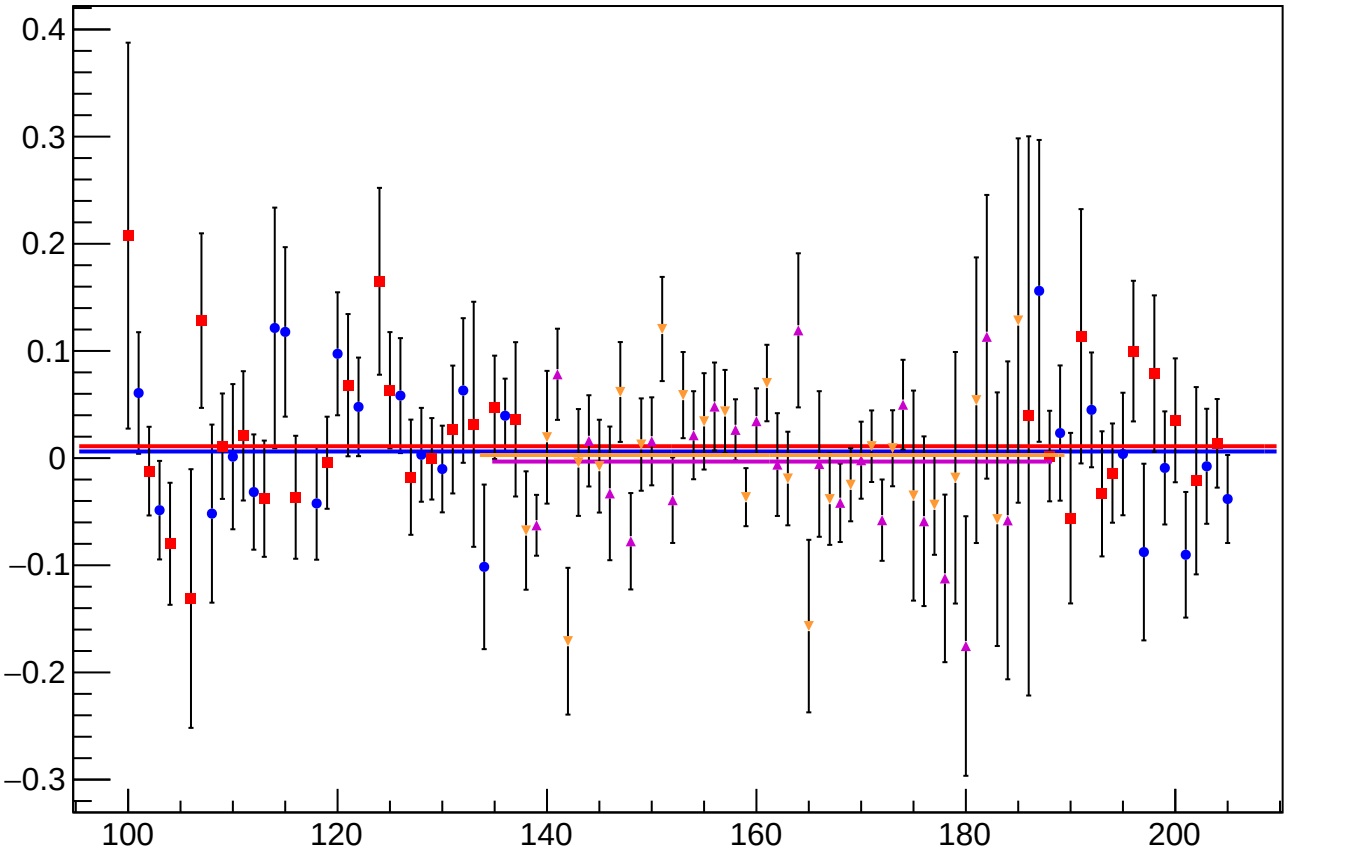
Right Out: 0.000+/-0.000 χ^2/NDF: 5280453.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10167246.8/49

All: 0.000+/-0.000 χ^2/NDF: 20706719.8/102

- sign 0.000+/-0.000 χ^2/NDF: 10528891.5/52



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

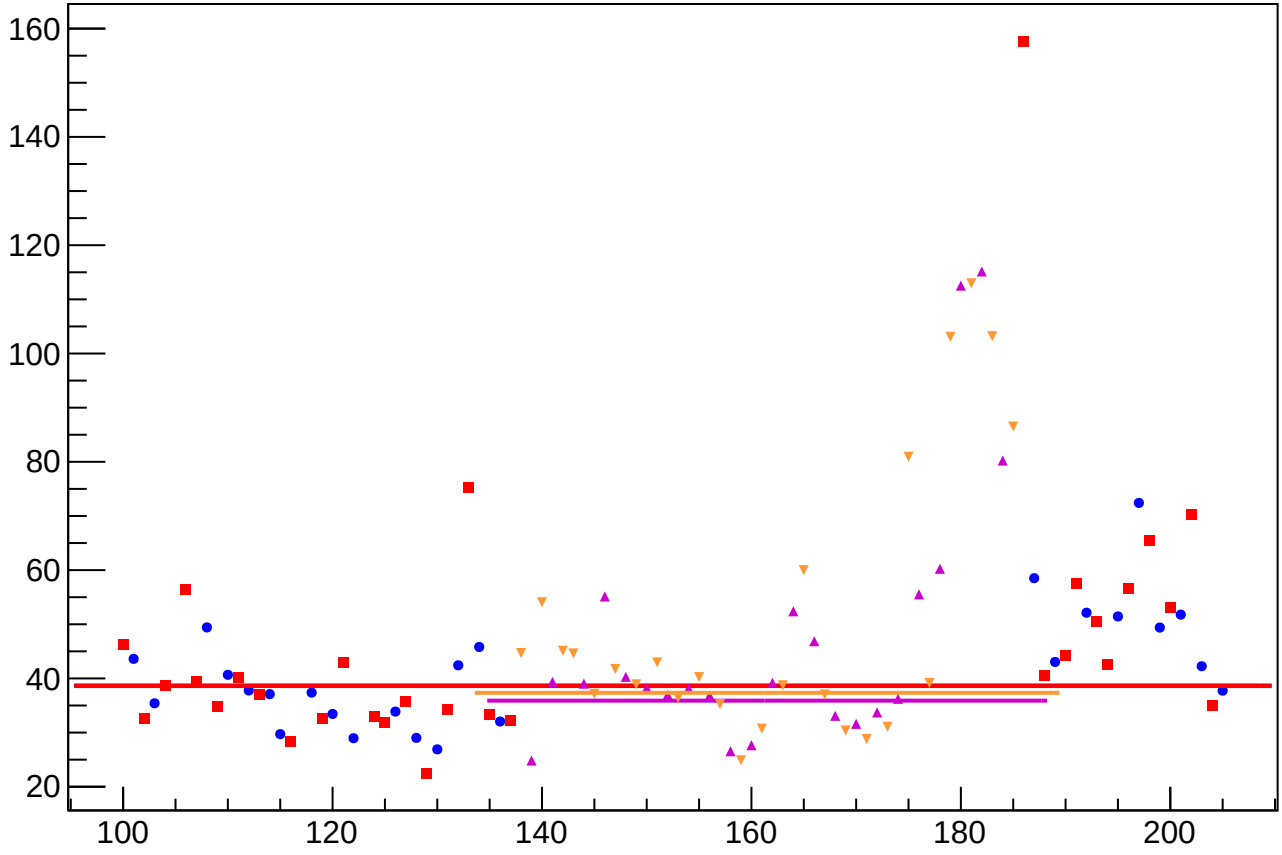
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 106.7/102

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

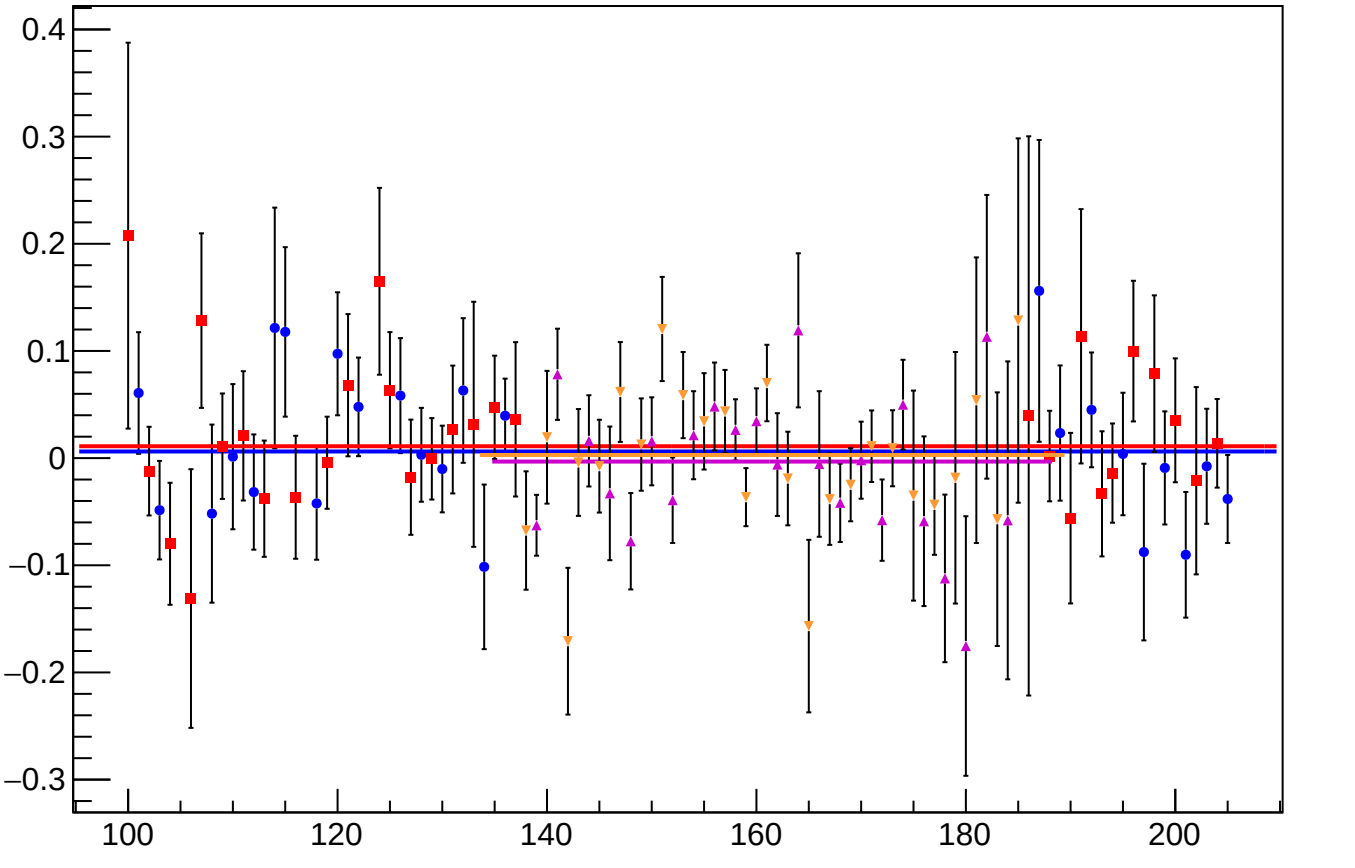
Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090163.2/49

All: 37.460+/-0.004 χ^2/NDF: 10600440.8/102

- sign 37.036+/-0.005 χ^2/NDF: 5495125.9/52



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

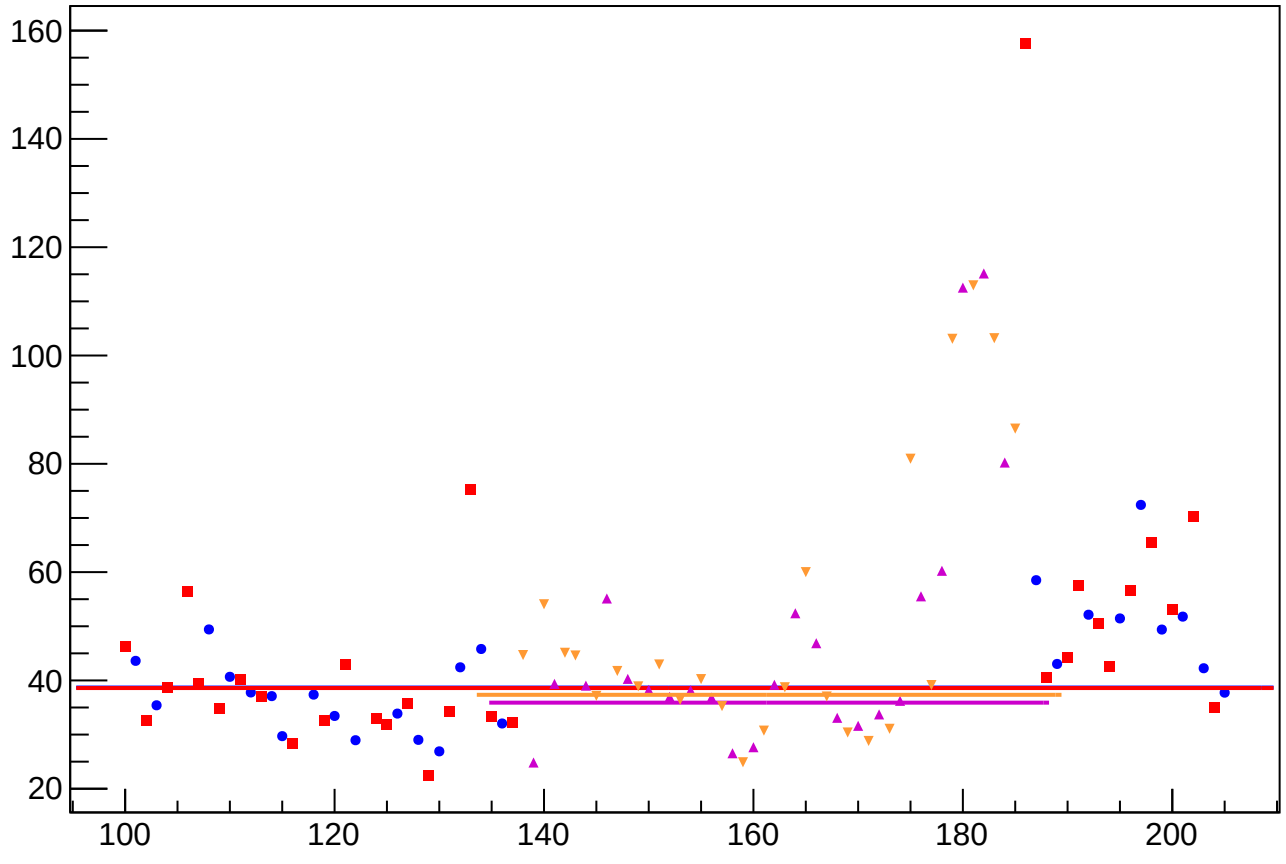
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 106.7/102

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

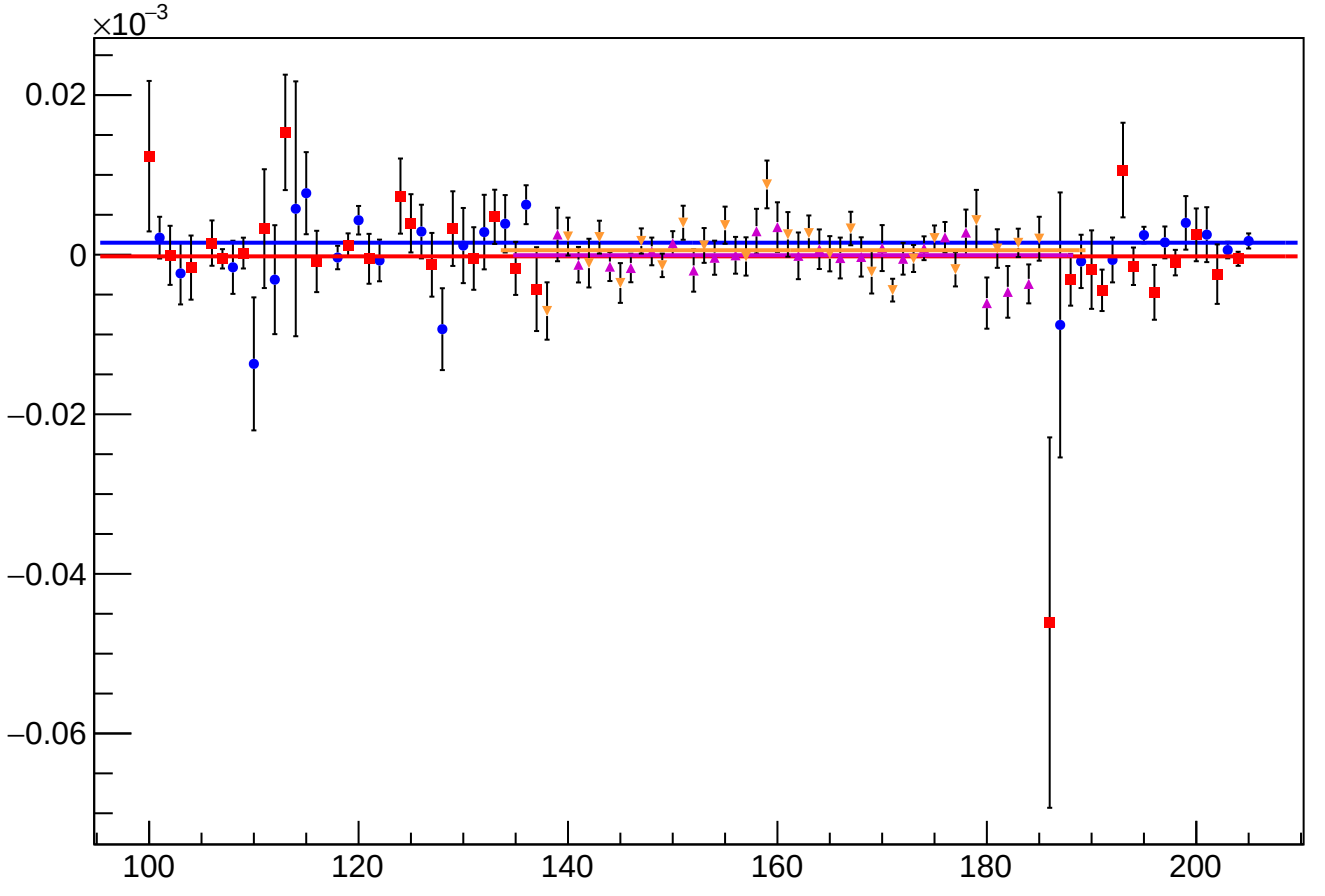
Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090163.2/49

All: 37.460+/-0.004 χ^2/NDF: 10600440.8/102

- sign 37.036+/-0.005 χ^2/NDF: 5495125.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

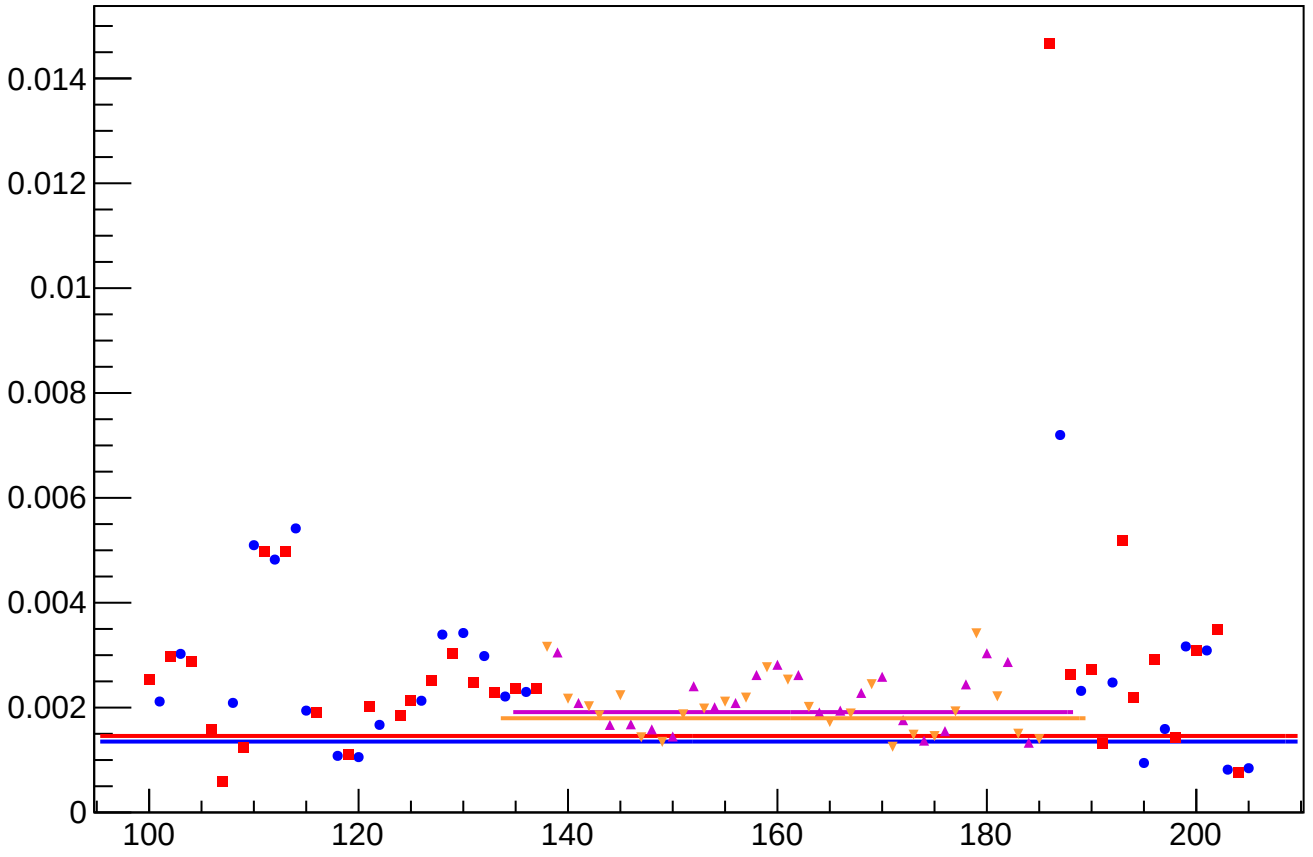
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.7/49

All: 0.000+/-0.000 χ^2/NDF: 124.4/102

- sign -0.000+/-0.000 χ^2/NDF: 46.8/52



Right In: 0.001+/-0.000 χ^2/NDF: 6615911.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

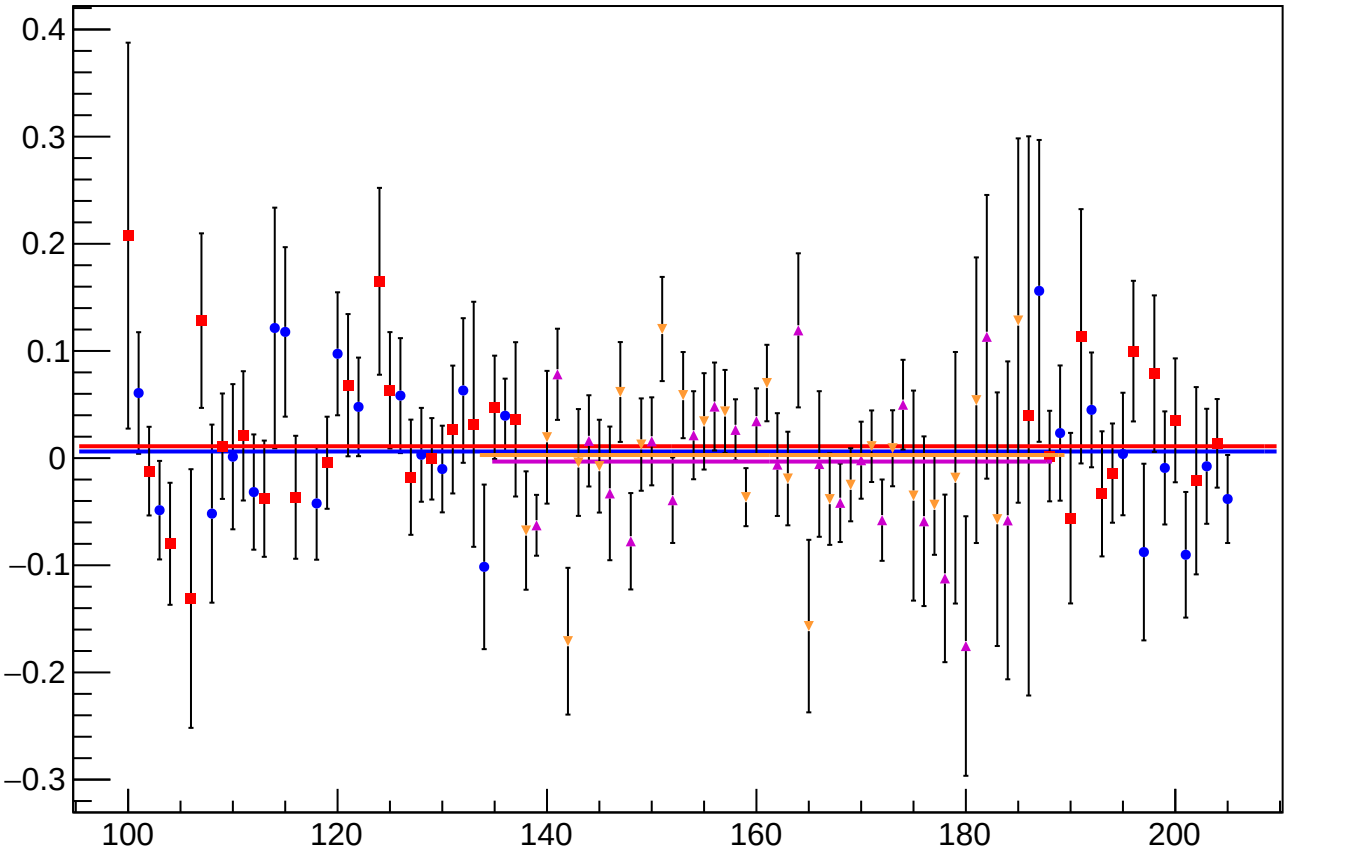
Right Out: 0.001+/-0.000 χ^2/NDF: 8464577.9/29

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 9977908.5/49

All: 0.002+/-0.000 χ^2/NDF: 21698832.0/102

- sign 0.002+/-0.000 χ^2/NDF: 11612089.2/52



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

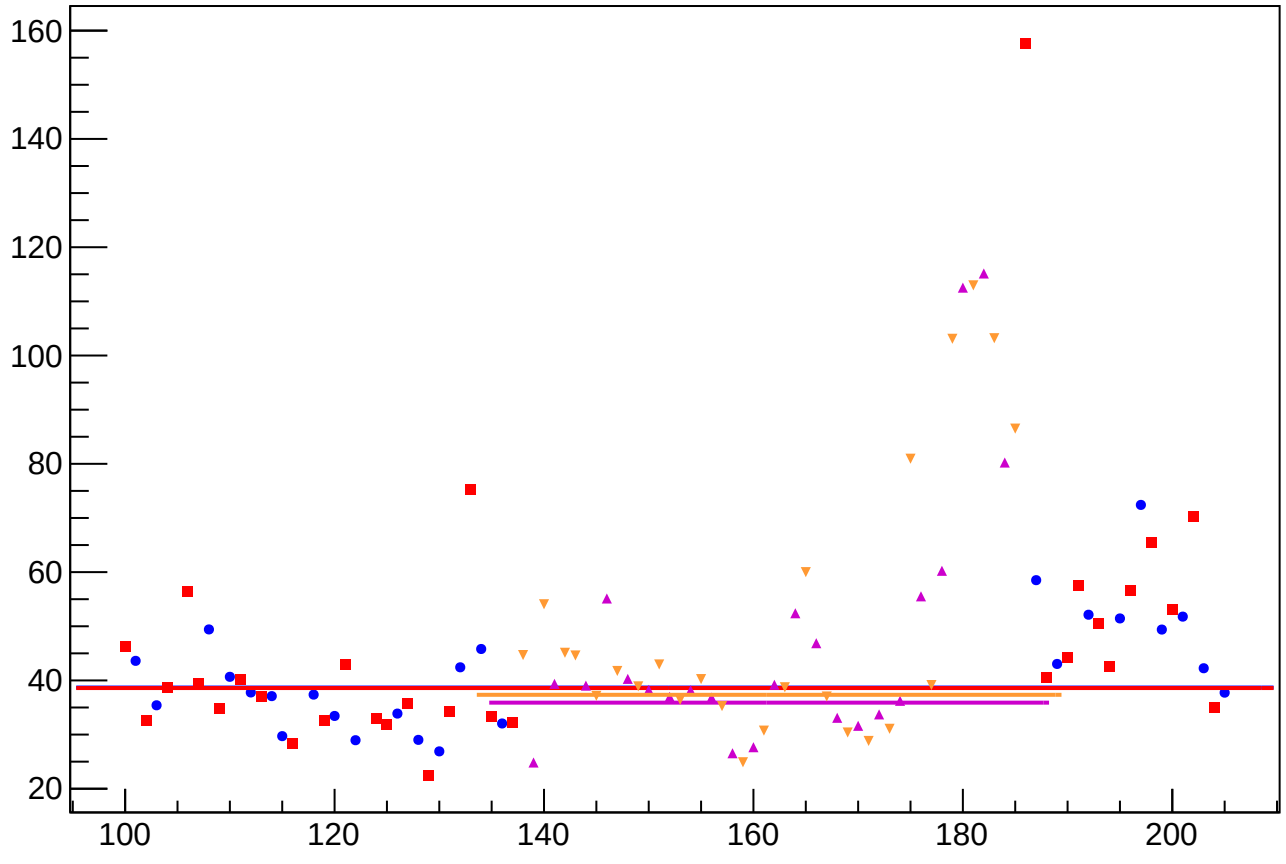
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 106.7/102

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

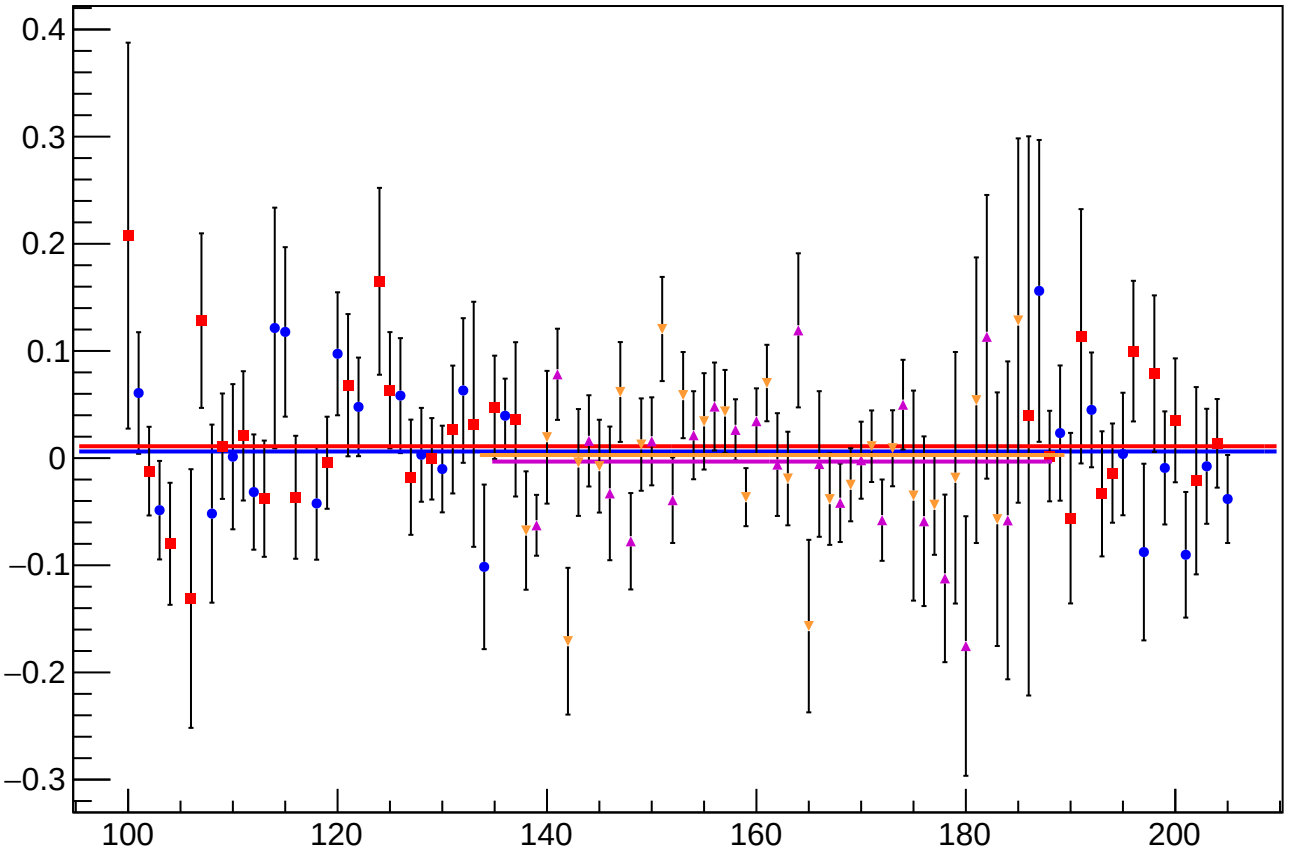
Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090305.7/49

All: 37.460+/-0.004 χ^2/NDF: 10600673.6/102

- sign 37.036+/-0.005 χ^2/NDF: 5495222.6/52



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

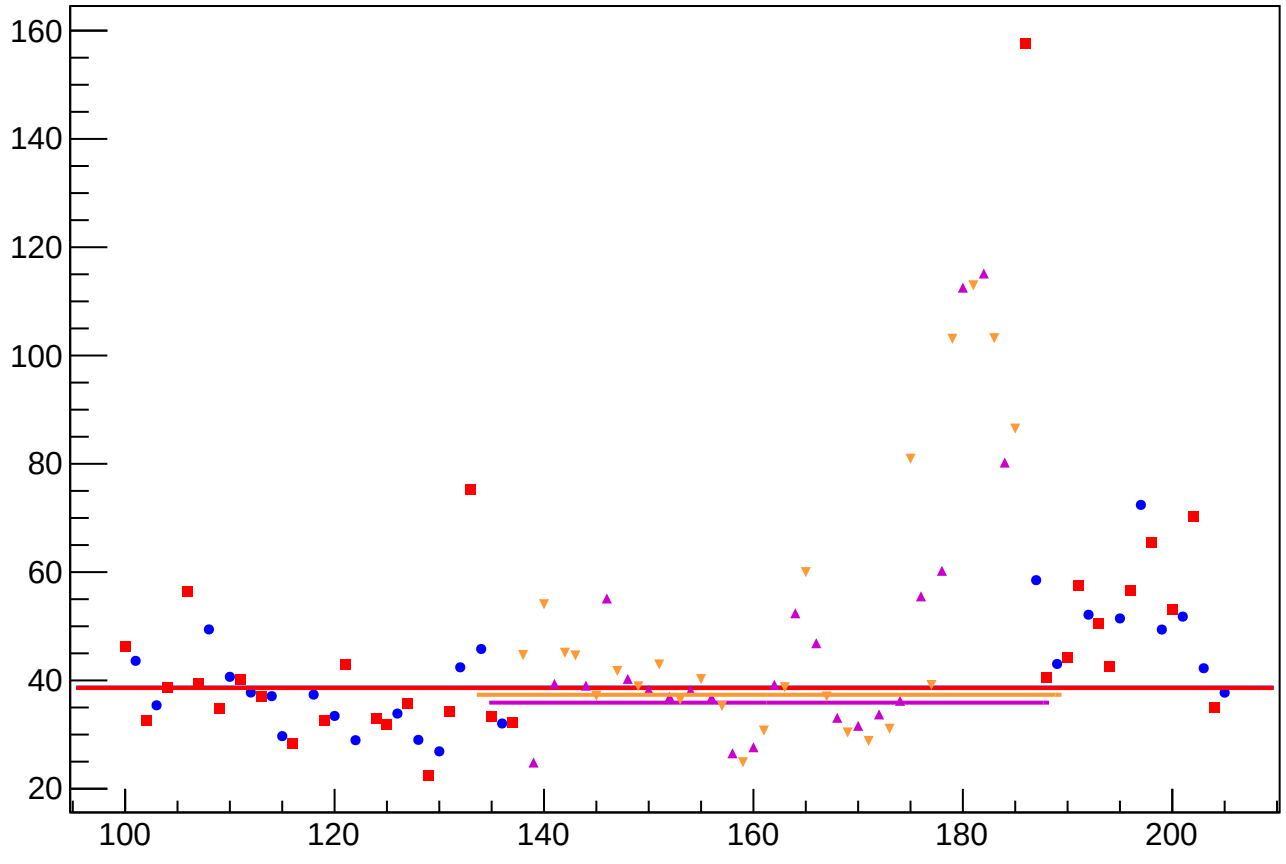
Right Out: 0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 106.7/102

- sign 0.003+/-0.007 χ^2/NDF: 51.4/52



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

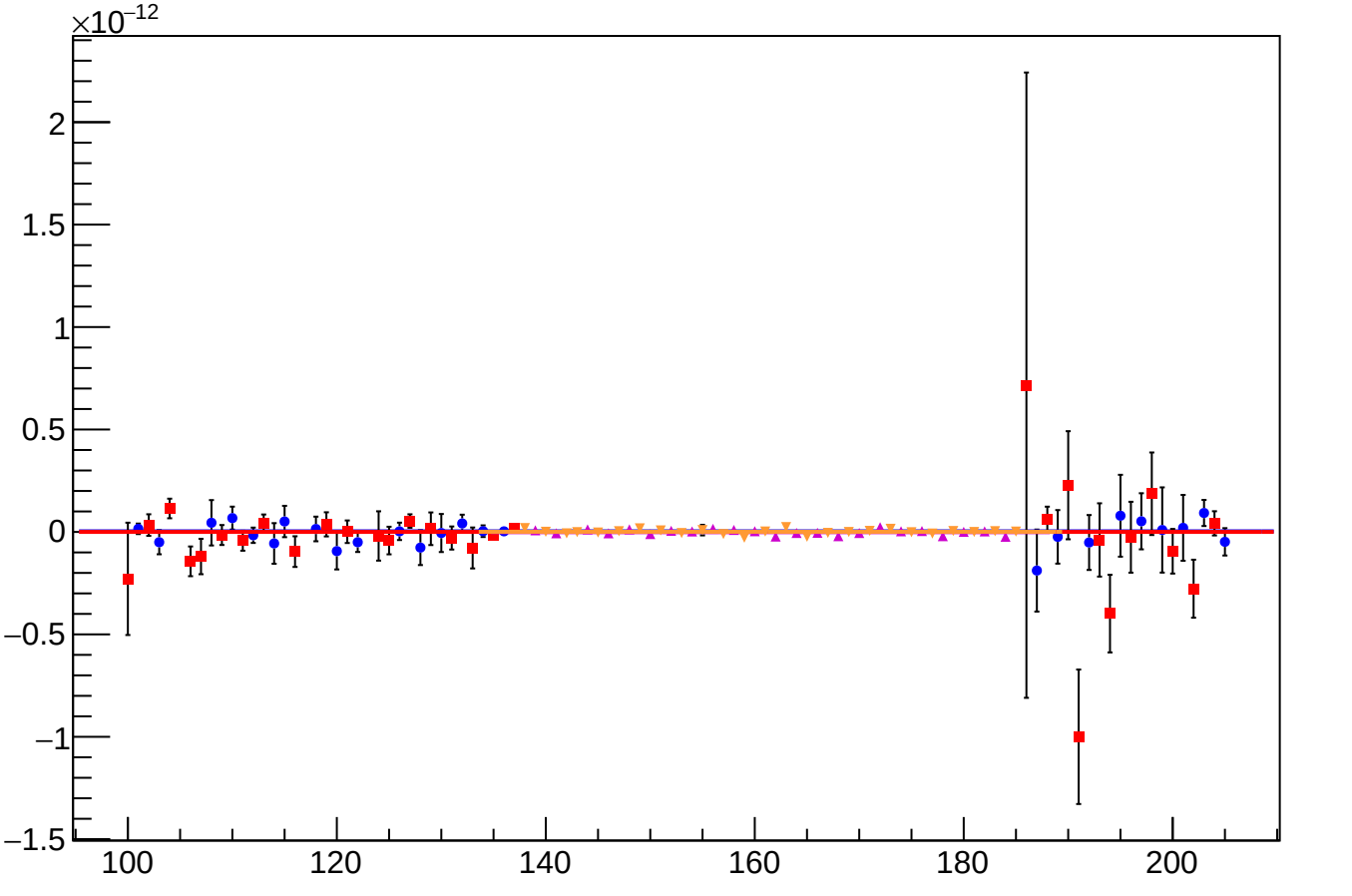
Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090305.7/49

All: 37.460+/-0.004 χ^2/NDF: 10600673.6/102

- sign 37.036+/-0.005 χ^2/NDF: 5495222.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 11.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

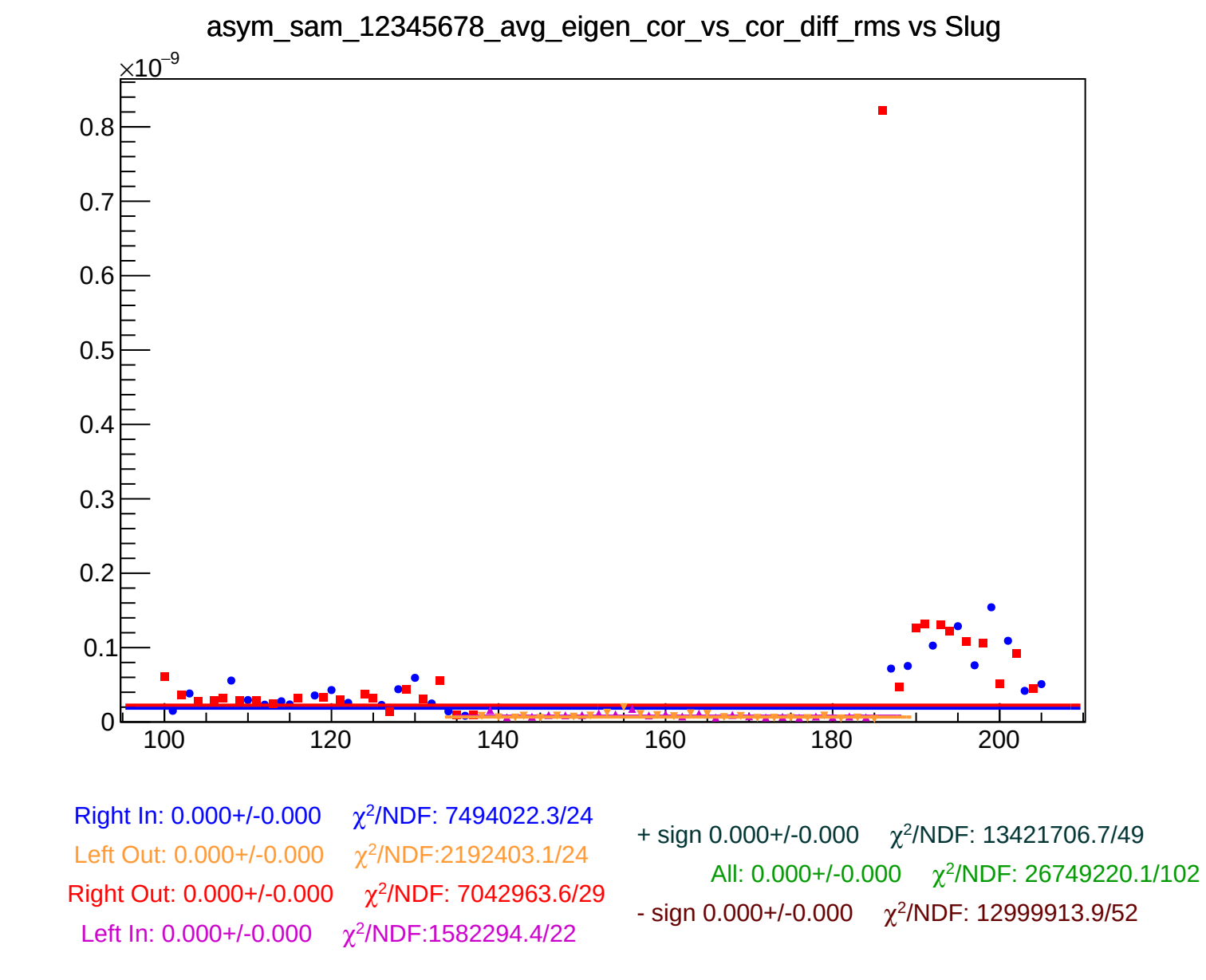
Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/29

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

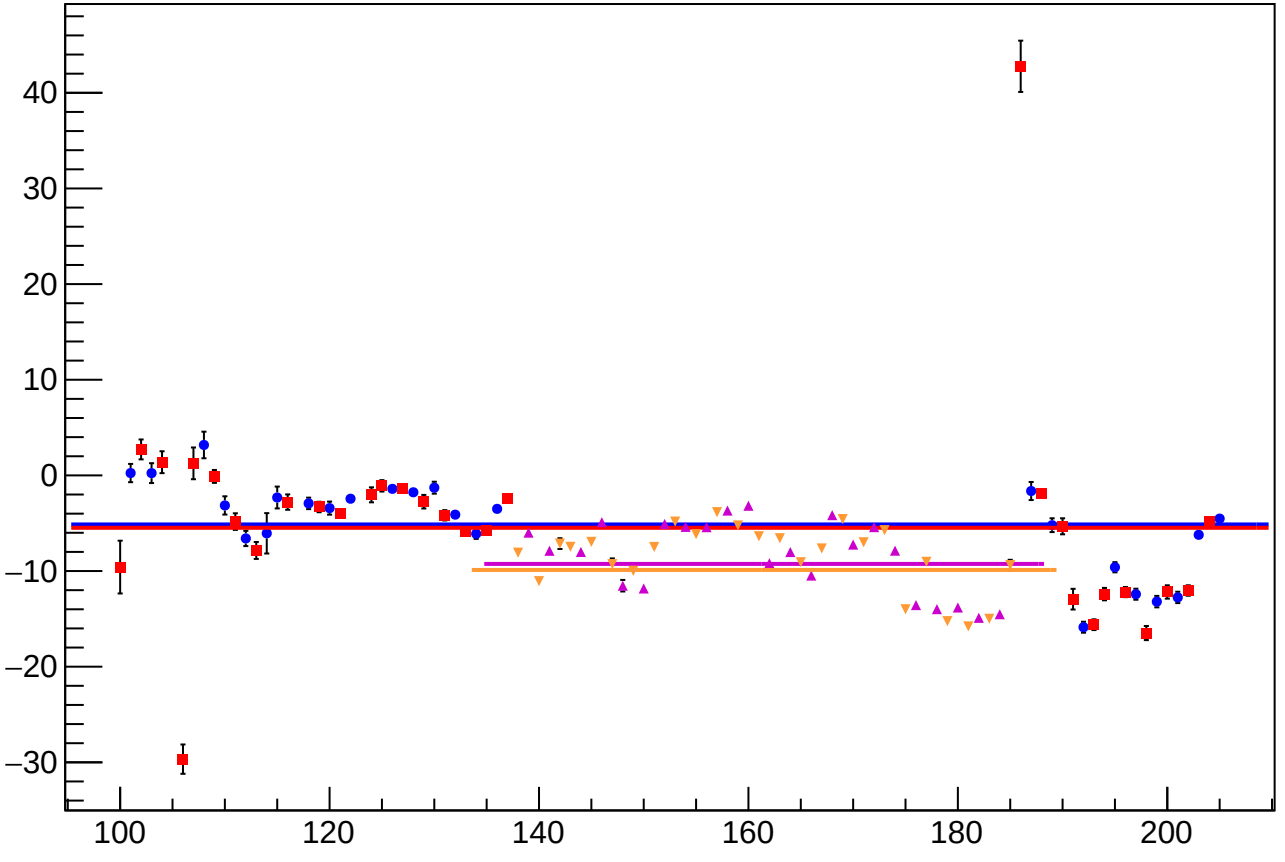
+ sign 0.000+/-0.000 χ^2/NDF: 33.1/49

All: 0.000+/-0.000 χ^2/NDF: 105.8/102

- sign -0.000+/-0.000 χ^2/NDF: 72.3/52


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7494022.3/24
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 7042963.6/29
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
+ sign 0.000+/-0.000 χ²/NDF: 13421706.7/49
All: 0.000+/-0.000 χ²/NDF: 26749220.1/102
- sign 0.000+/-0.000 χ²/NDF: 12999913.9/52

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.129+/-0.110 χ^2/NDF: 1315.5/24

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.479+/-0.109 χ^2/NDF: 2253.5/29

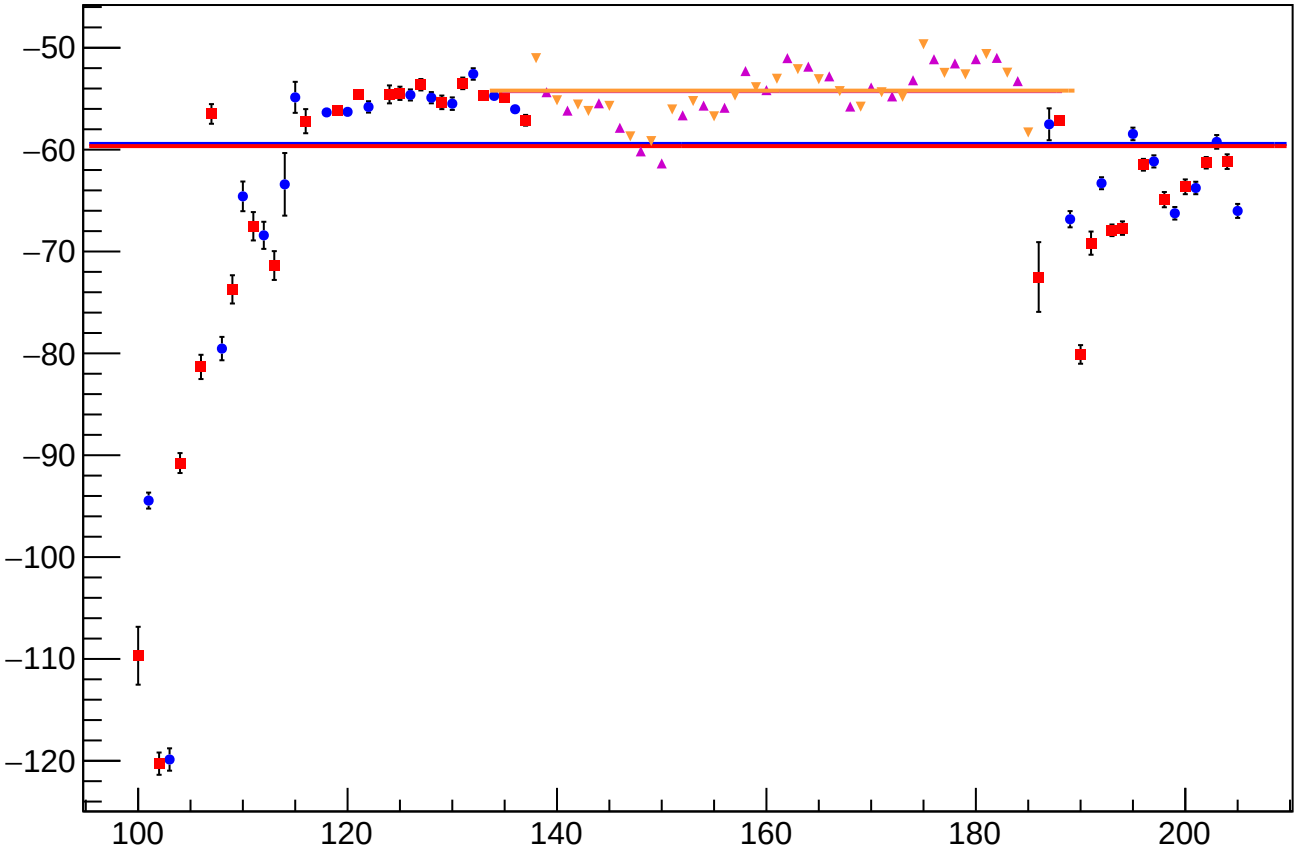
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.526+/-0.059 χ^2/NDF: 5860.7/49

All: -8.326+/-0.042 χ^2/NDF: 12042.9/102

- sign -8.117+/-0.060 χ^2/NDF: 6158.4/52

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.439+/-0.116 χ^2/NDF: 6614.9/24

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.653+/-0.115 χ^2/NDF: 7043.2/29

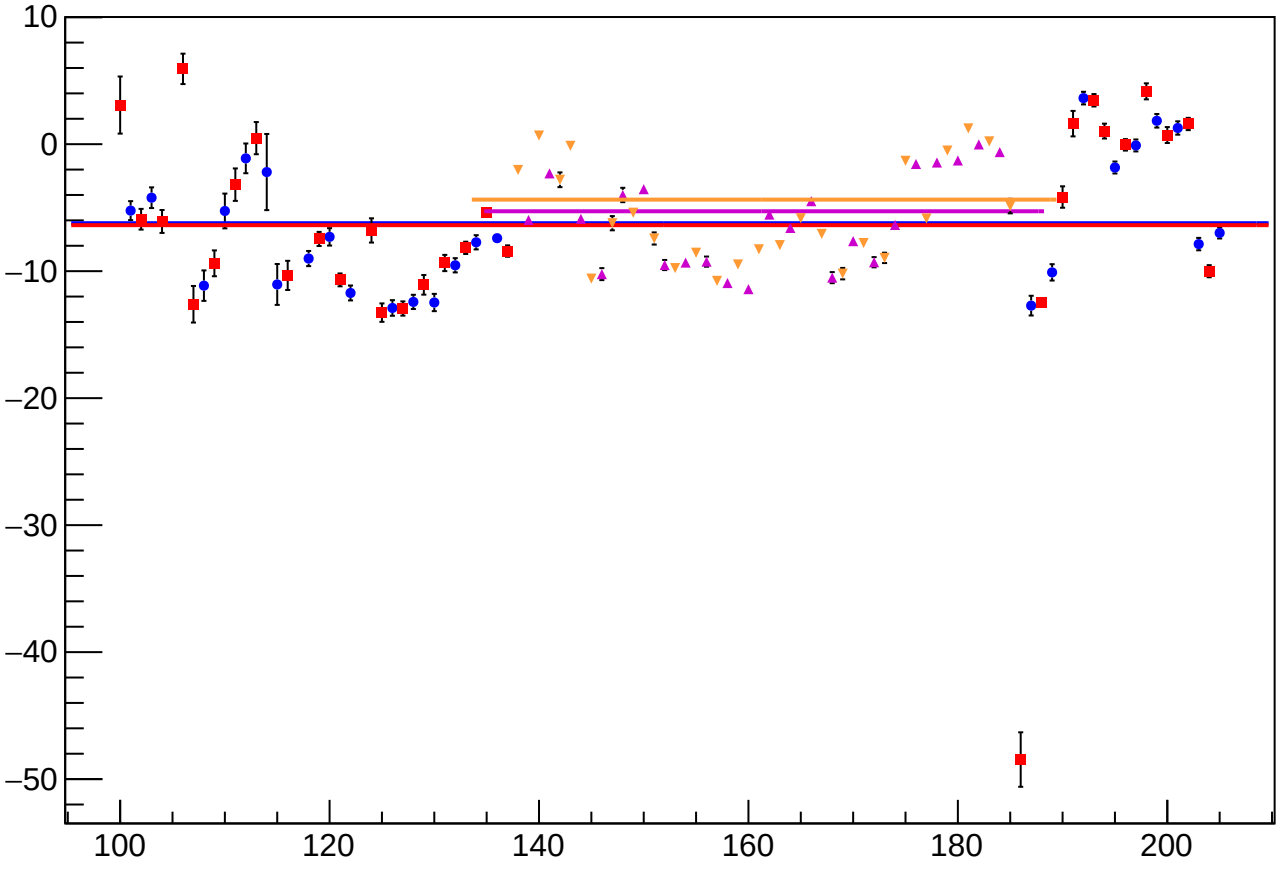
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.191+/-0.050 χ^2/NDF: 10125.2/49

All: -55.273+/-0.036 χ^2/NDF: 21415.5/102

- sign -55.361+/-0.052 χ^2/NDF: 11284.8/52

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.224+/-0.111 χ^2/NDF: 1757.0/24

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.377+/-0.108 χ^2/NDF: 3099.4/29

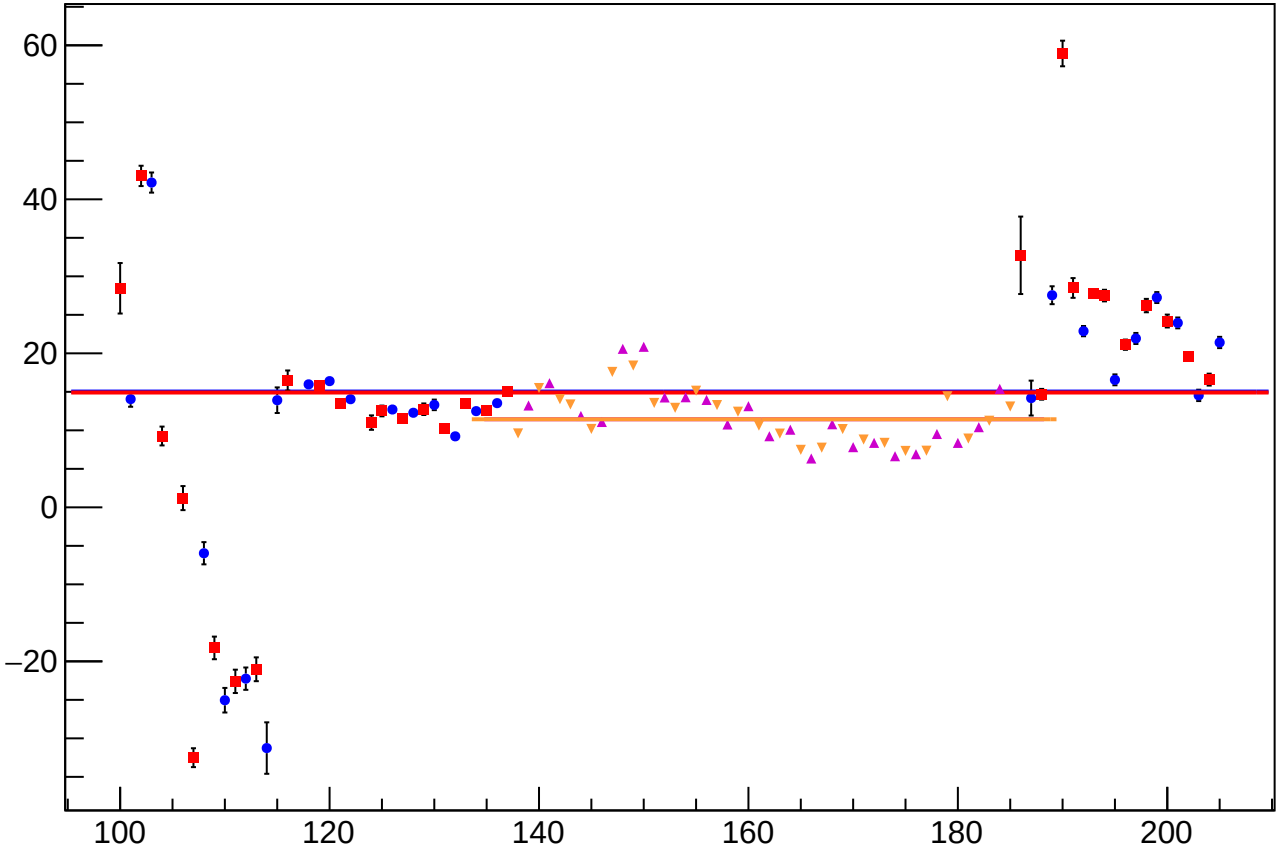
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.887+/-0.059 χ^2/NDF: 5660.2/49

All: -5.246+/-0.042 χ^2/NDF: 11656.9/102

- sign -5.613+/-0.059 χ^2/NDF: 5921.1/52

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 15.036+/-0.130 χ^2/NDF: 3225.2/24

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.912+/-0.131 χ^2/NDF: 5865.7/29

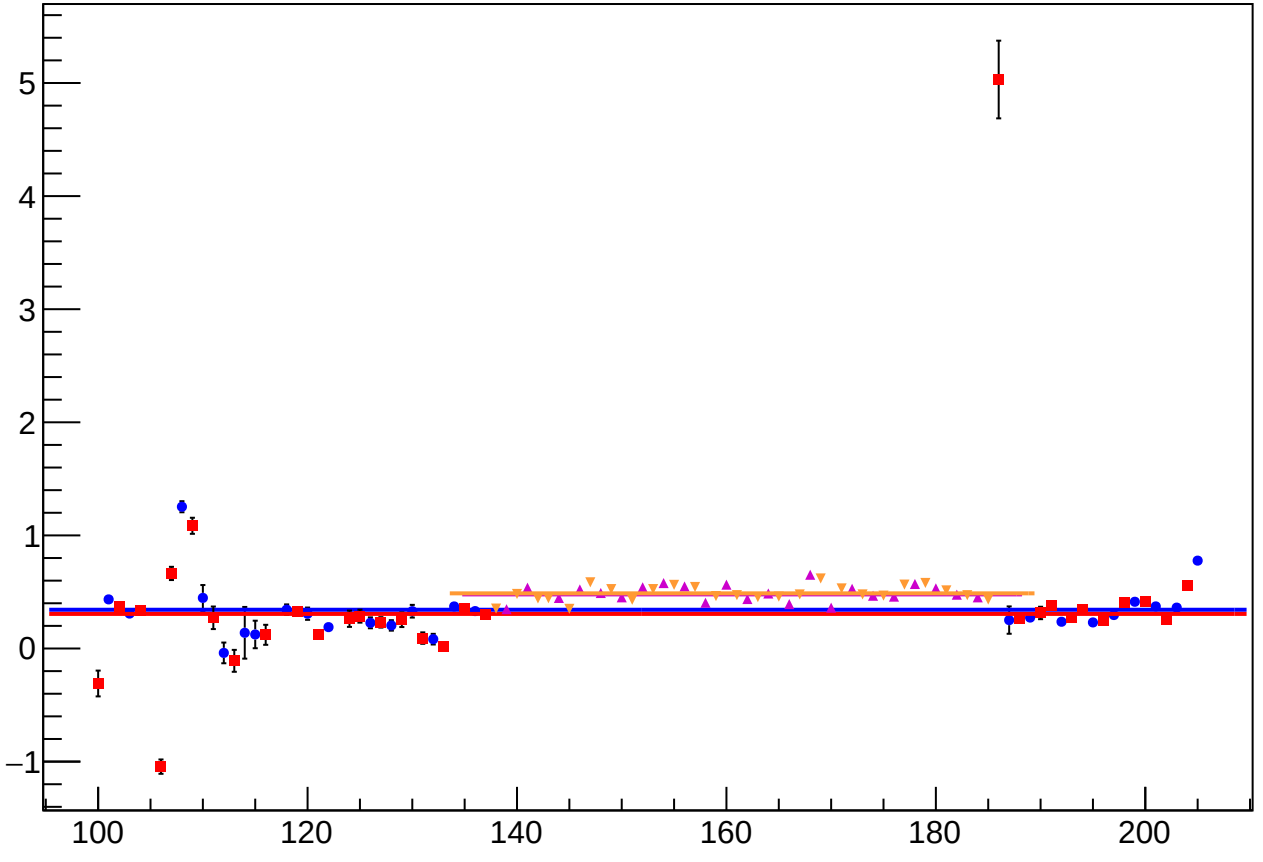
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.104+/-0.056 χ^2/NDF: 6284.6/49

All: 12.107+/-0.040 χ^2/NDF: 16071.7/102

- sign 12.110+/-0.058 χ^2/NDF: 9787.1/52

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.343+/-0.006 χ^2/NDF: 677.3/24

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.306+/-0.006 χ^2/NDF: 1092.6/29

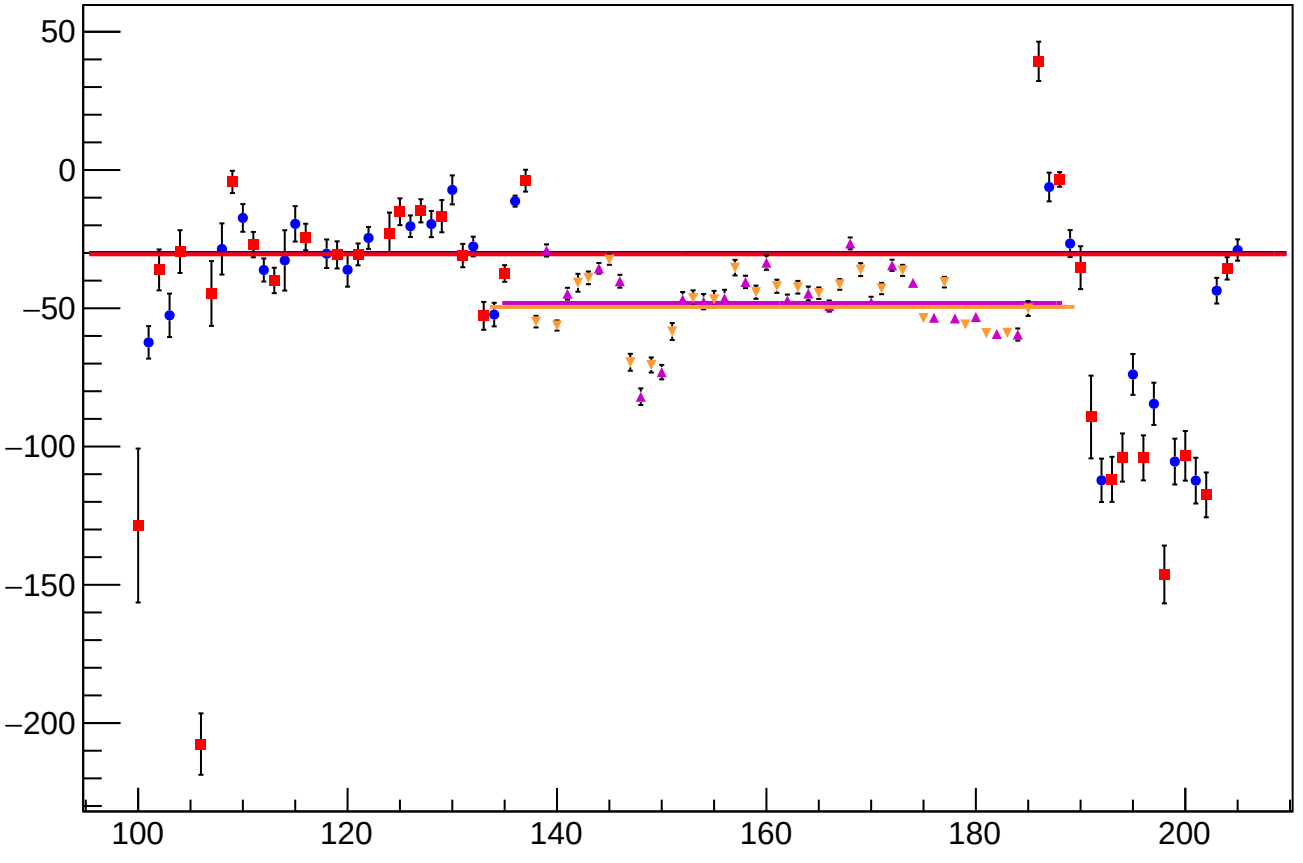
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1738.9/49

All: 0.454+/-0.002 χ^2/NDF: 4374.2/102

- sign 0.446+/-0.002 χ^2/NDF: 2618.0/52

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -29.999+/-0.945 χ^2/NDF: 607.4/24

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.474+/-0.954 χ^2/NDF: 1193.6/29

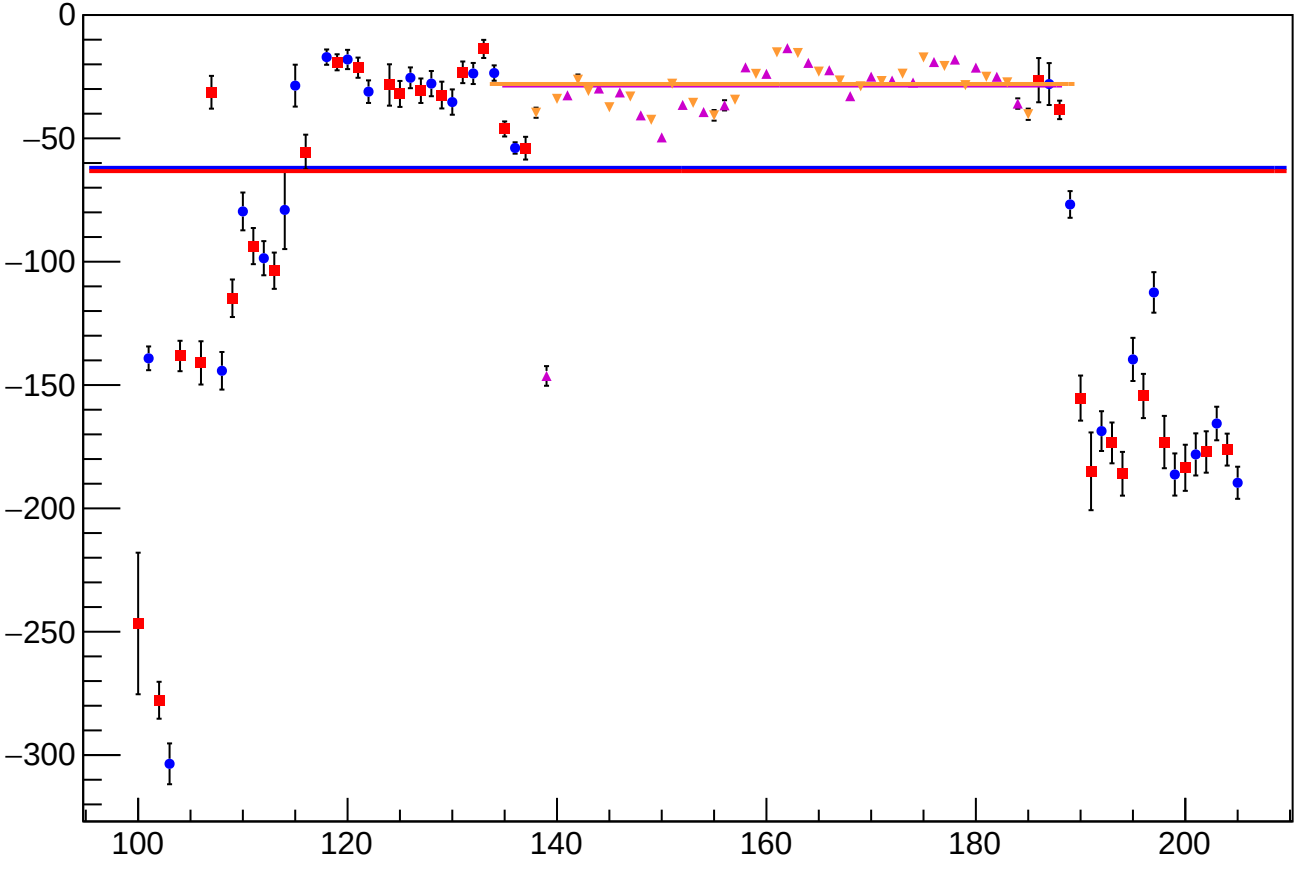
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.519+/-0.370 χ^2/NDF: 1545.0/49

All: -45.904+/-0.266 χ^2/NDF: 3736.3/102

- sign -45.245+/-0.383 χ^2/NDF: 2185.6/52

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -61.956+/-1.006 χ^2/NDF: 3376.8/24

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -63.279+/-1.046 χ^2/NDF: 3379.1/29

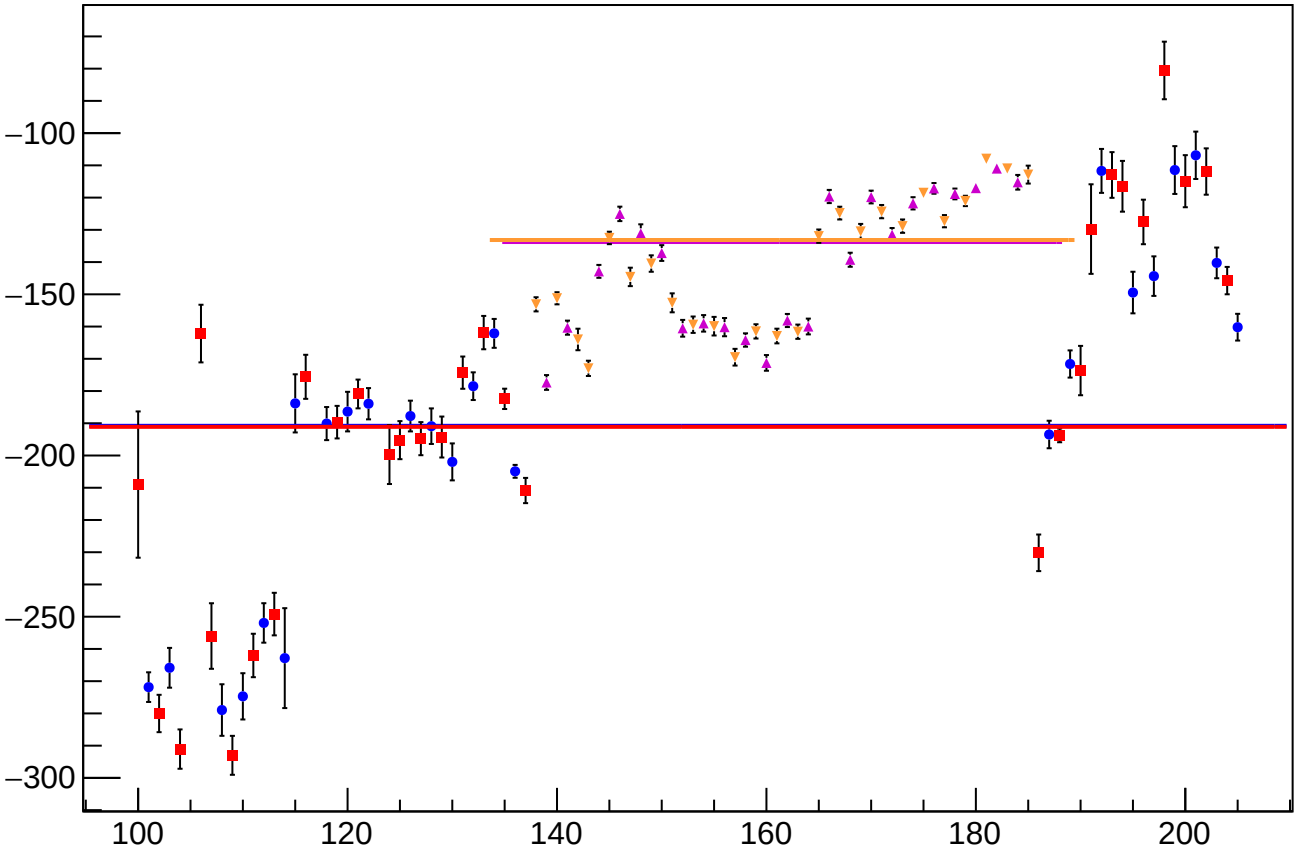
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -31.103+/-0.306 χ^2/NDF: 4911.9/49

All: -31.435+/-0.220 χ^2/NDF: 10771.4/102

\- sign -31.792+/-0.318 χ^2/NDF: 5857.1/52

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -190.791+/-0.979 χ^2/NDF: 1610.0/24

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -191.103+/-0.979 χ^2/NDF: 1964.9/29

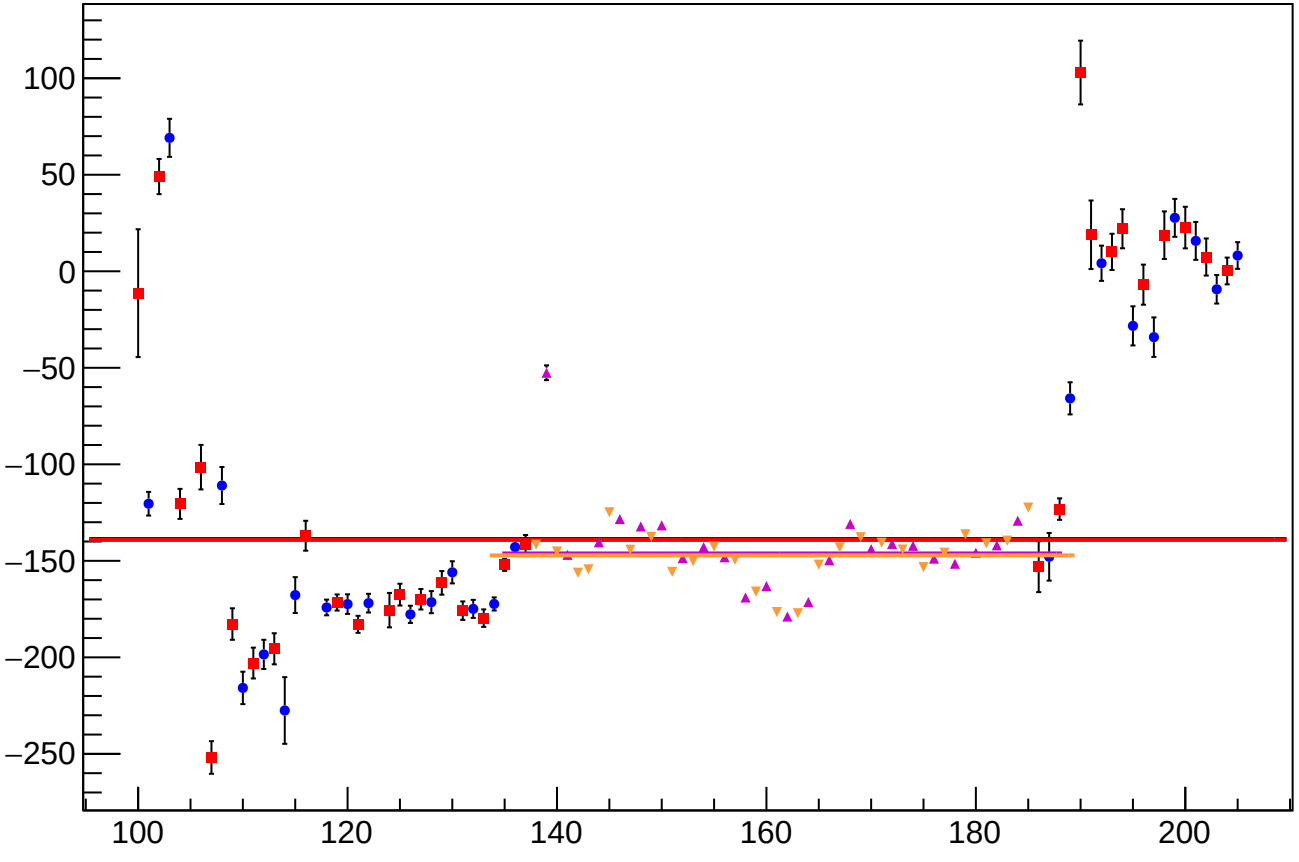
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.497+/-0.373 χ^2/NDF: 7102.3/49

All: -142.026+/-0.267 χ^2/NDF: 14416.4/102

- sign -142.586+/-0.384 χ^2/NDF: 7309.9/52

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -138.690+/-1.134 χ^2/NDF: 2930.0/24

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -139.162+/-1.202 χ^2/NDF: 3177.8/29

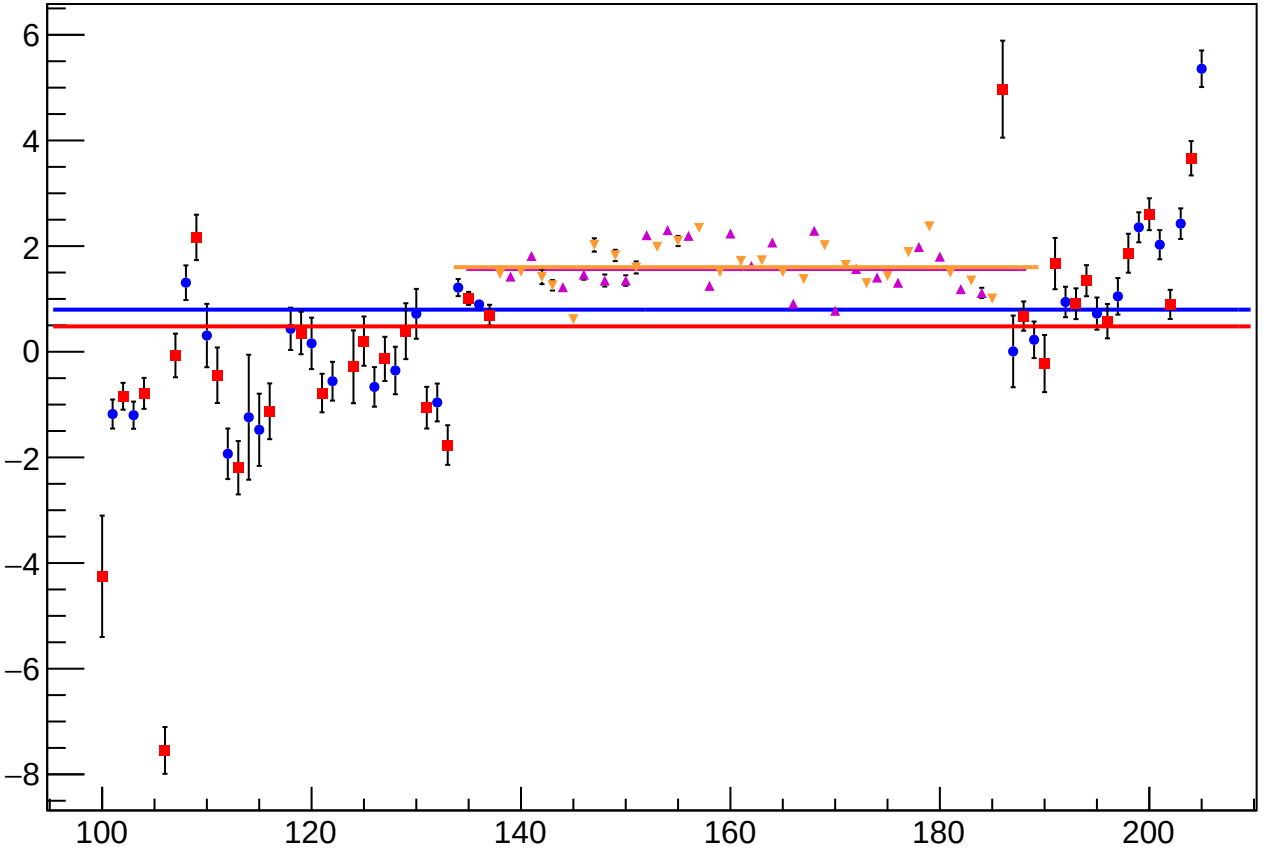
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -146.398+/-0.341 χ^2/NDF: 4226.5/49

All: -145.996+/-0.246 χ^2/NDF: 9232.0/102

- sign -145.564+/-0.354 χ^2/NDF: 5002.6/52

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.797+/-0.055 χ^2/NDF: 491.4/24

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.480+/-0.059 χ^2/NDF: 740.5/29

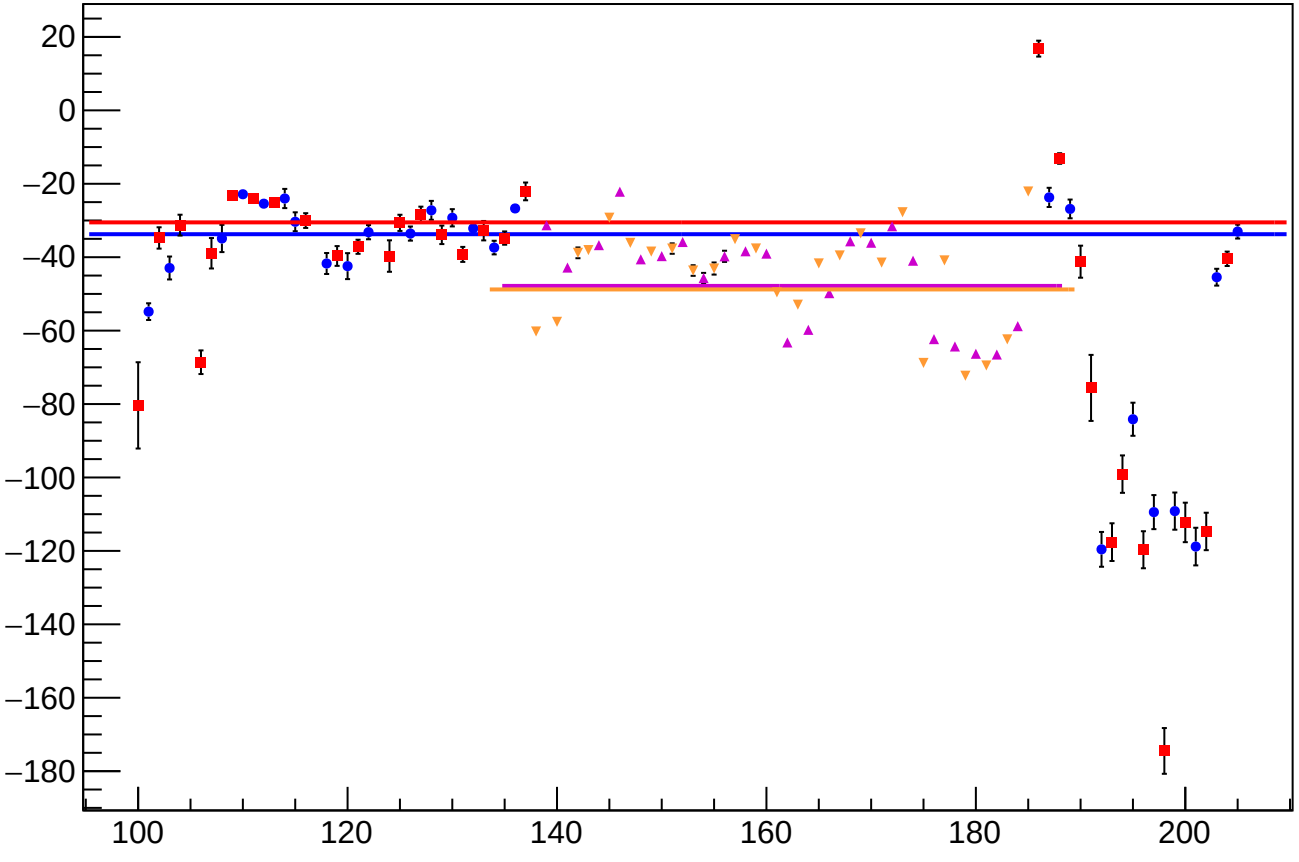
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.539+/-0.015 χ^2/NDF: 1267.3/49

All: 1.515+/-0.011 χ^2/NDF: 3062.5/102

- sign 1.490+/-0.016 χ^2/NDF: 1790.1/52

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -33.735+/-0.424 χ^2/NDF: 1571.0/24

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.513+/-0.403 χ^2/NDF: 2831.1/29

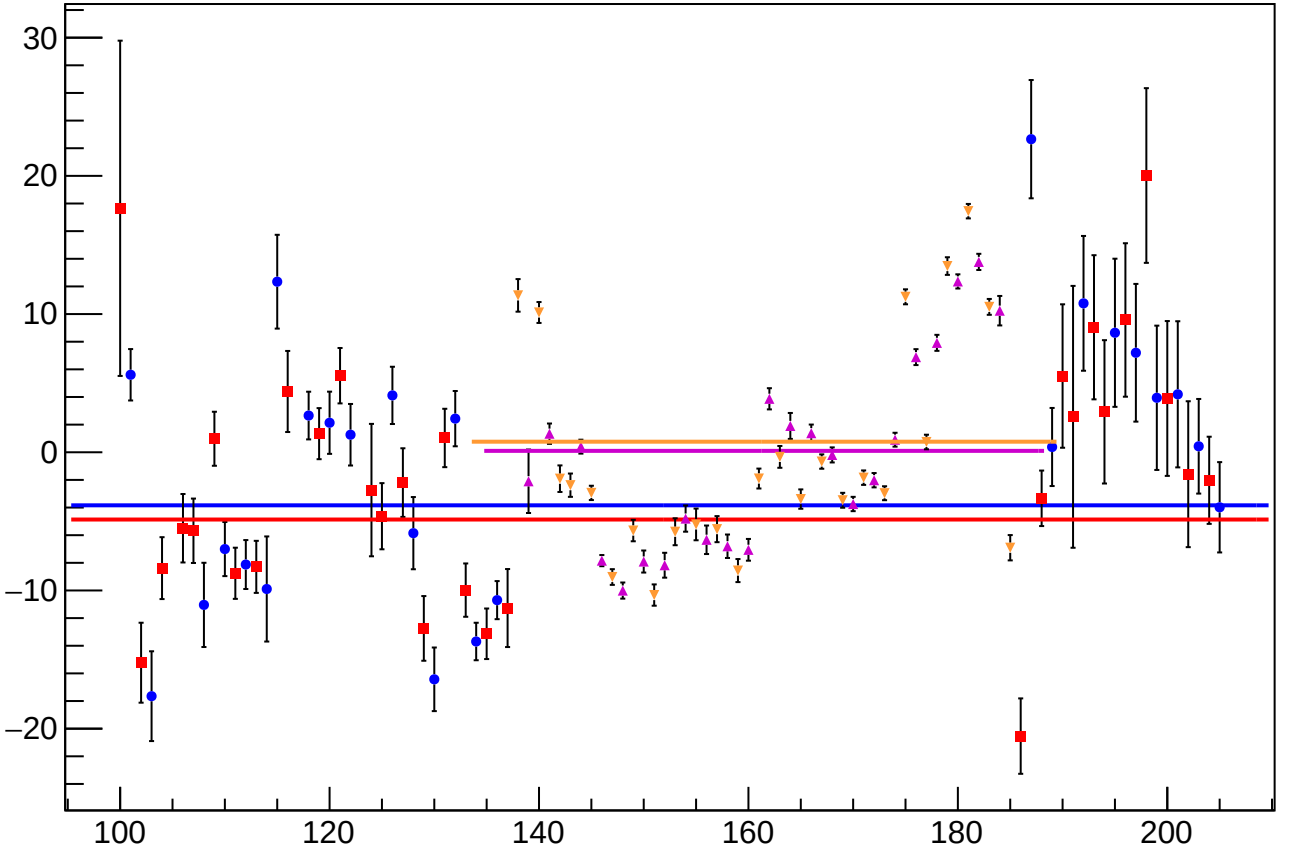
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.770+/-0.155 χ^2/NDF: 11614.1/49

All: -45.995+/-0.110 χ^2/NDF: 23285.9/102

- sign -45.206+/-0.157 χ^2/NDF: 11621.5/52

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.839+/-0.477 χ^2/NDF: 308.3/24

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.867+/-0.478 χ^2/NDF: 210.4/29

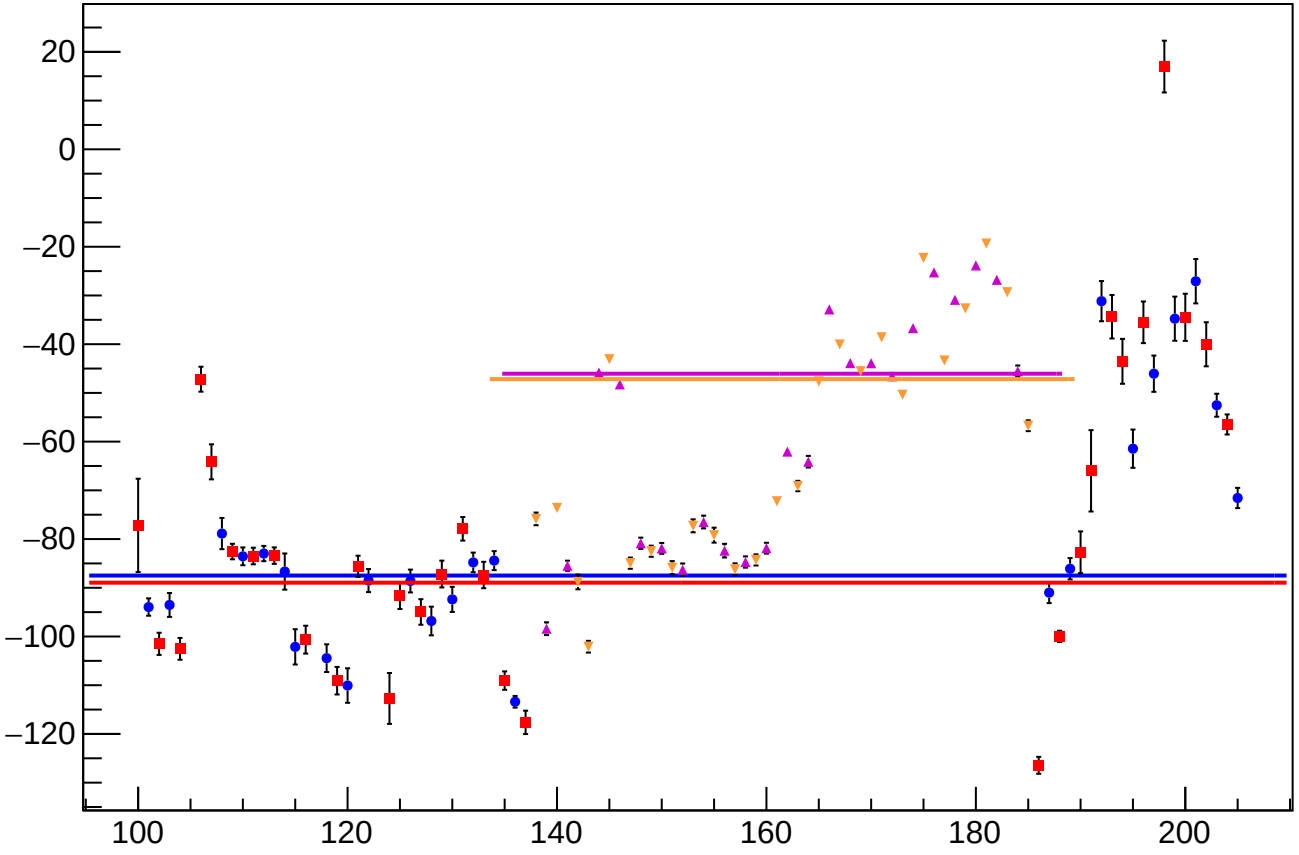
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.436+/-0.127 χ^2/NDF: 3862.1/49

All: 0.092+/-0.090 χ^2/NDF: 6909.3/102

- sign -0.255+/-0.128 χ^2/NDF: 3032.6/52

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -87.490+/-0.466 χ^2/NDF: 1566.3/24

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.952+/-0.445 χ^2/NDF: 2651.1/29

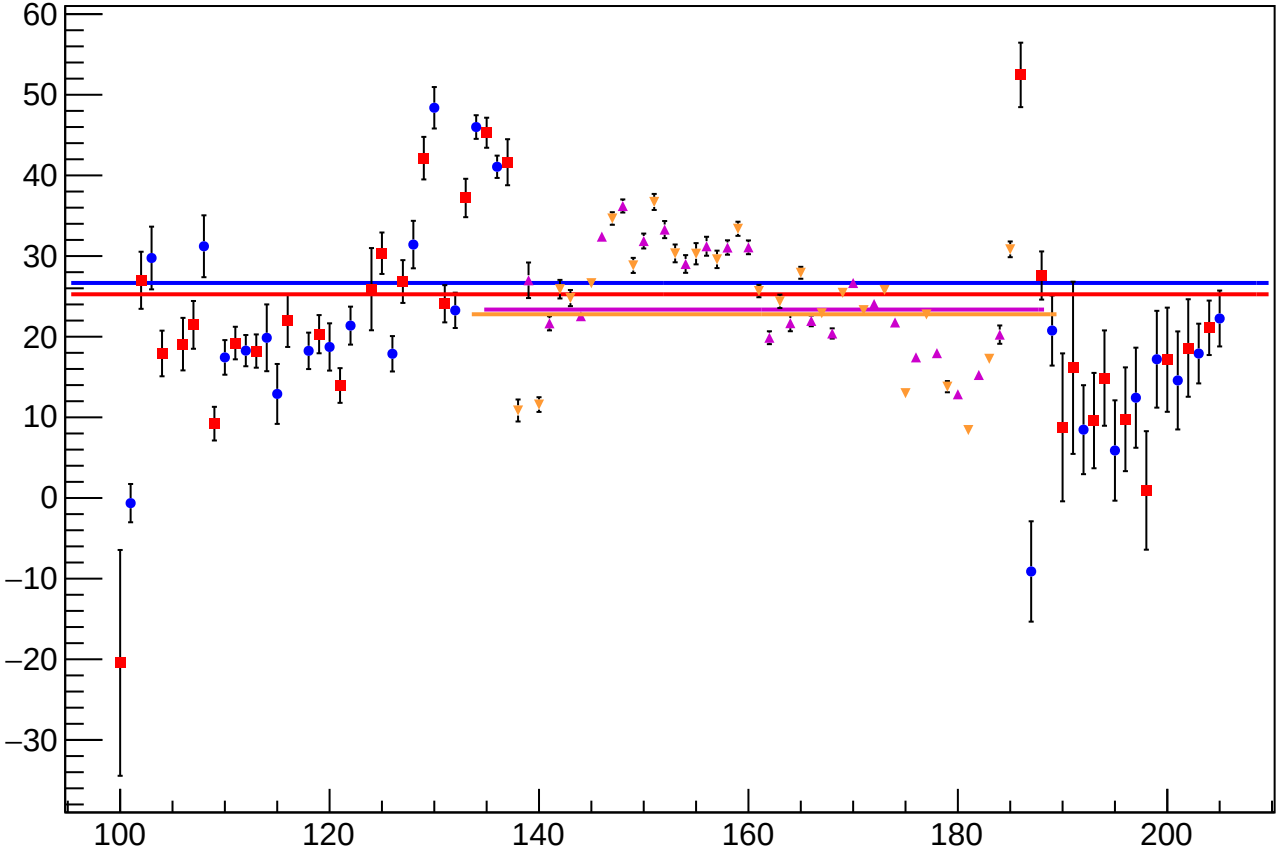
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.775+/-0.158 χ^2/NDF: 25844.3/49

All: -51.654+/-0.112 χ^2/NDF: 51374.1/102

- sign -51.531+/-0.159 χ^2/NDF: 25528.5/52

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.665+/-0.537 χ^2/NDF: 665.0/24

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.259+/-0.550 χ^2/NDF: 436.8/29

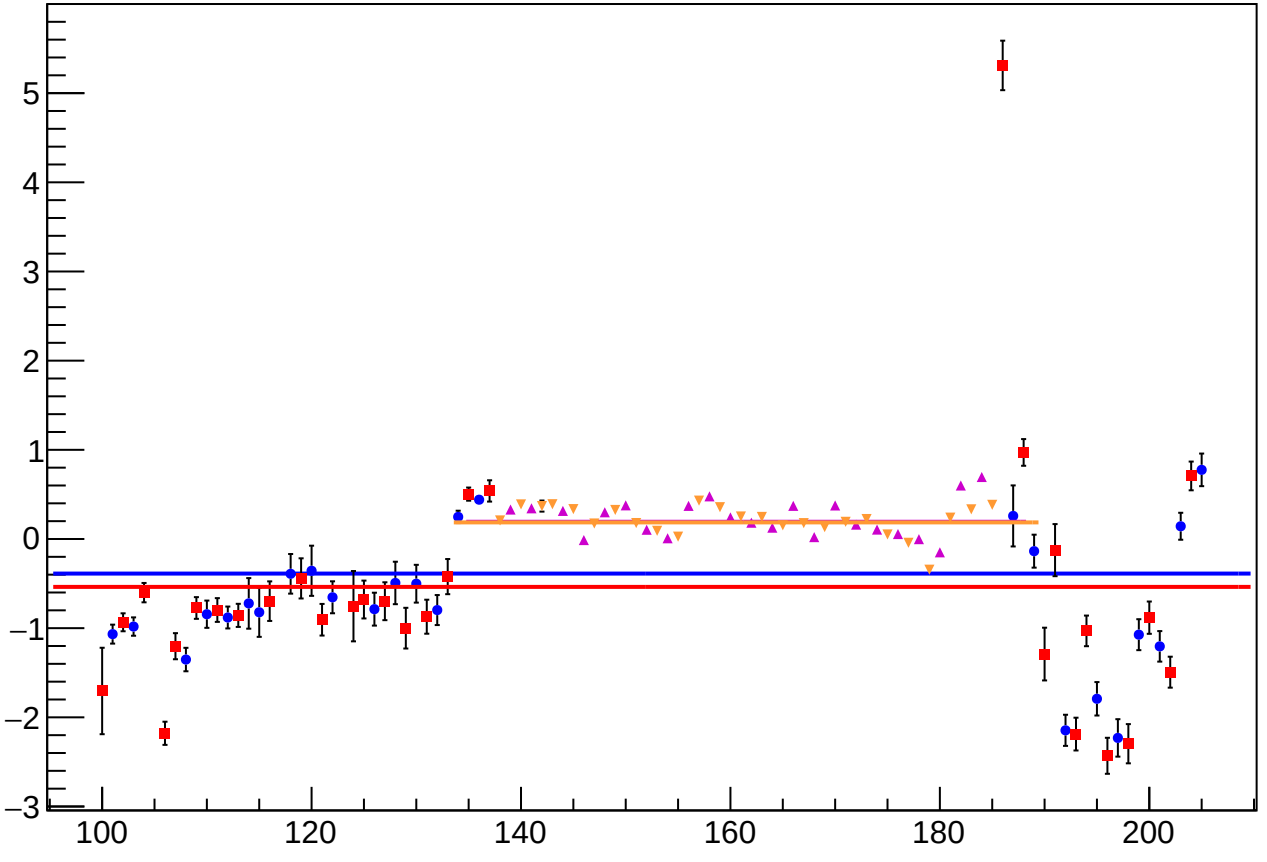
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.054+/-0.142 χ^2/NDF: 3126.5/49

All: 23.272+/-0.101 χ^2/NDF: 5364.6/102

- sign 23.495+/-0.144 χ^2/NDF: 2233.2/52

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.388+/-0.027 χ^2/NDF: 799.9/24

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.537+/-0.029 χ^2/NDF: 1398.6/29

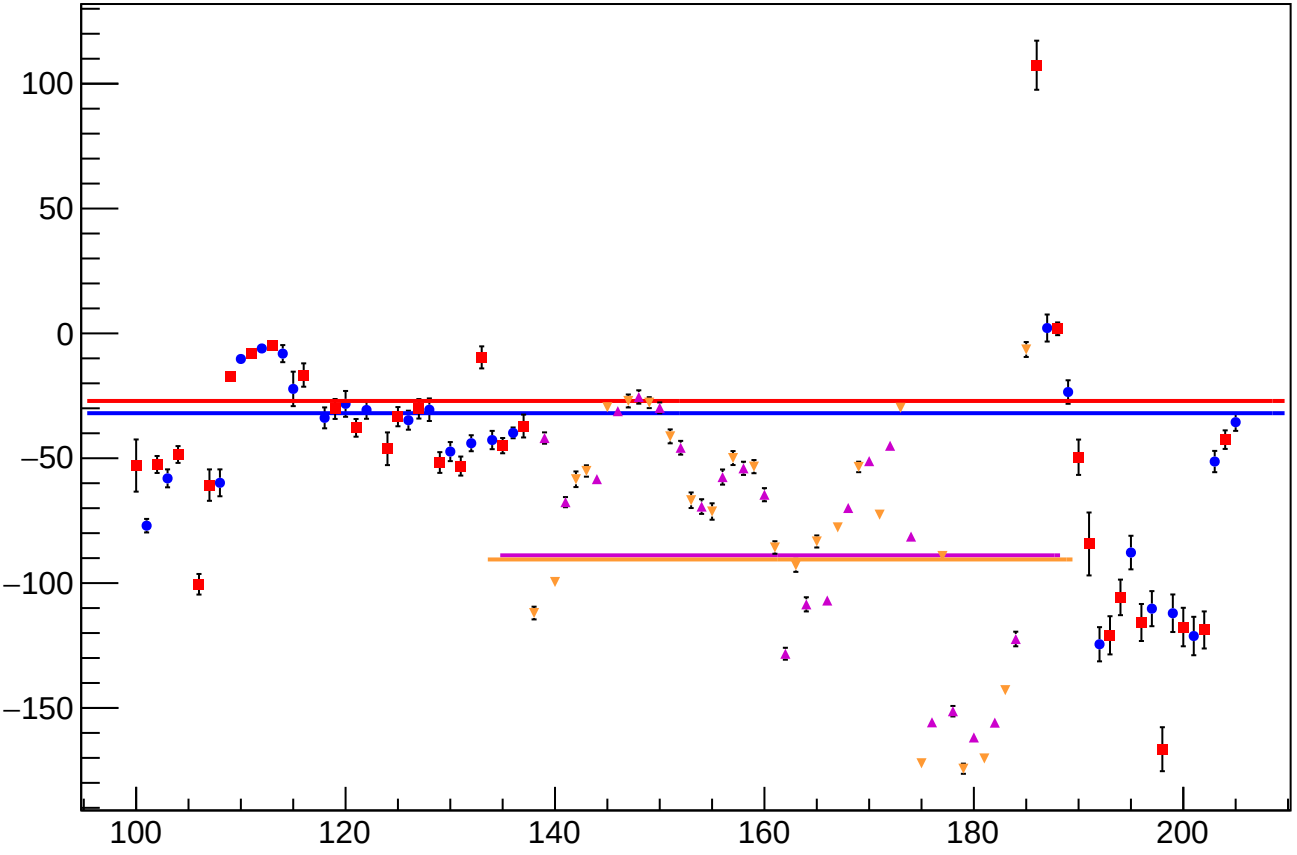
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.155+/-0.006 χ^2/NDF: 1859.4/49

All: 0.155+/-0.005 χ^2/NDF: 4812.6/102

- sign 0.156+/-0.007 χ^2/NDF: 2953.3/52

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -31.955+/-0.674 χ^2/NDF: 1612.8/24

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.059+/-0.615 χ^2/NDF: 2325.5/29

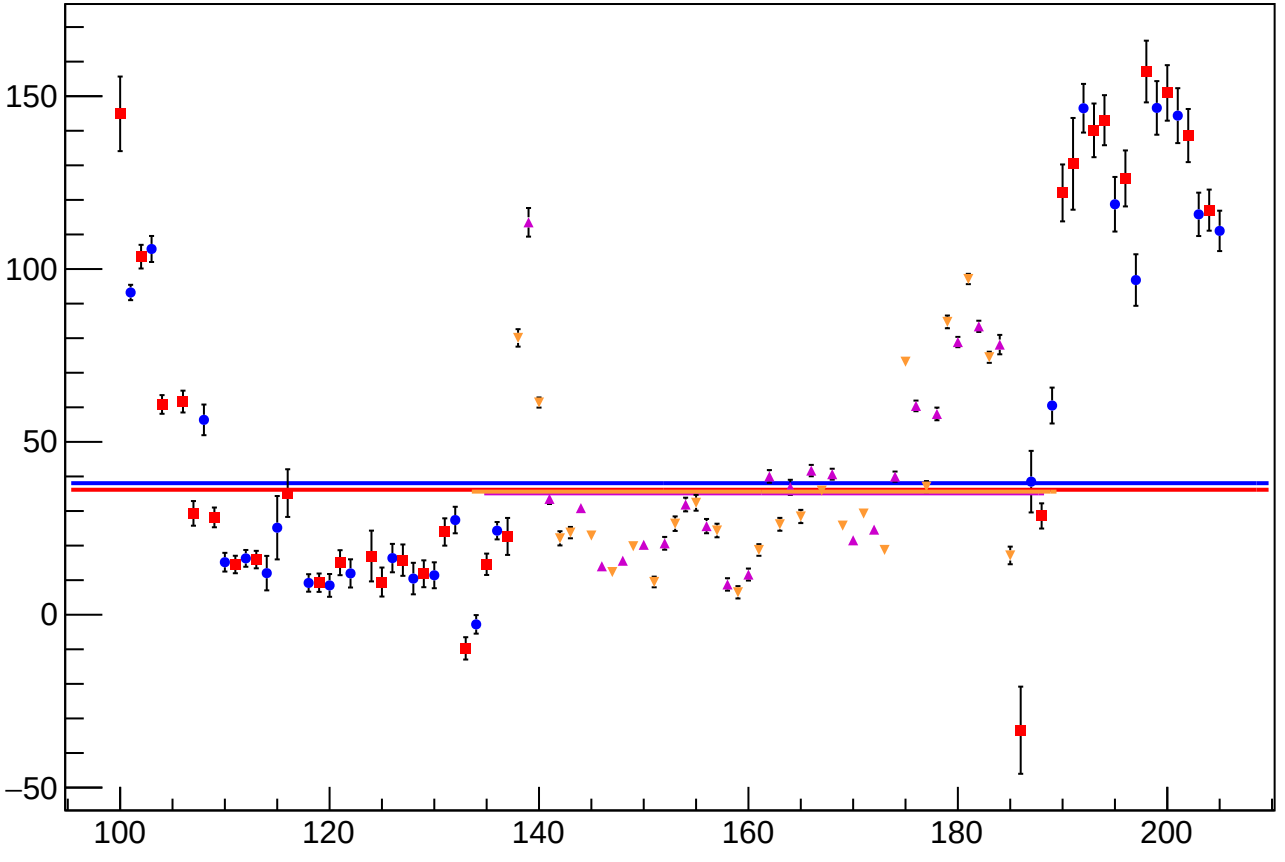
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

\+ sign -74.063+/-0.357 χ^2/NDF: 22407.7/49

All: -71.171+/-0.252 χ^2/NDF: 43417.0/102

\- sign -68.314+/-0.355 χ^2/NDF: 20878.9/52

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 38.054+/-0.761 χ^2/NDF: 2883.0/24

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 36.154+/-0.745 χ^2/NDF: 2762.5/29

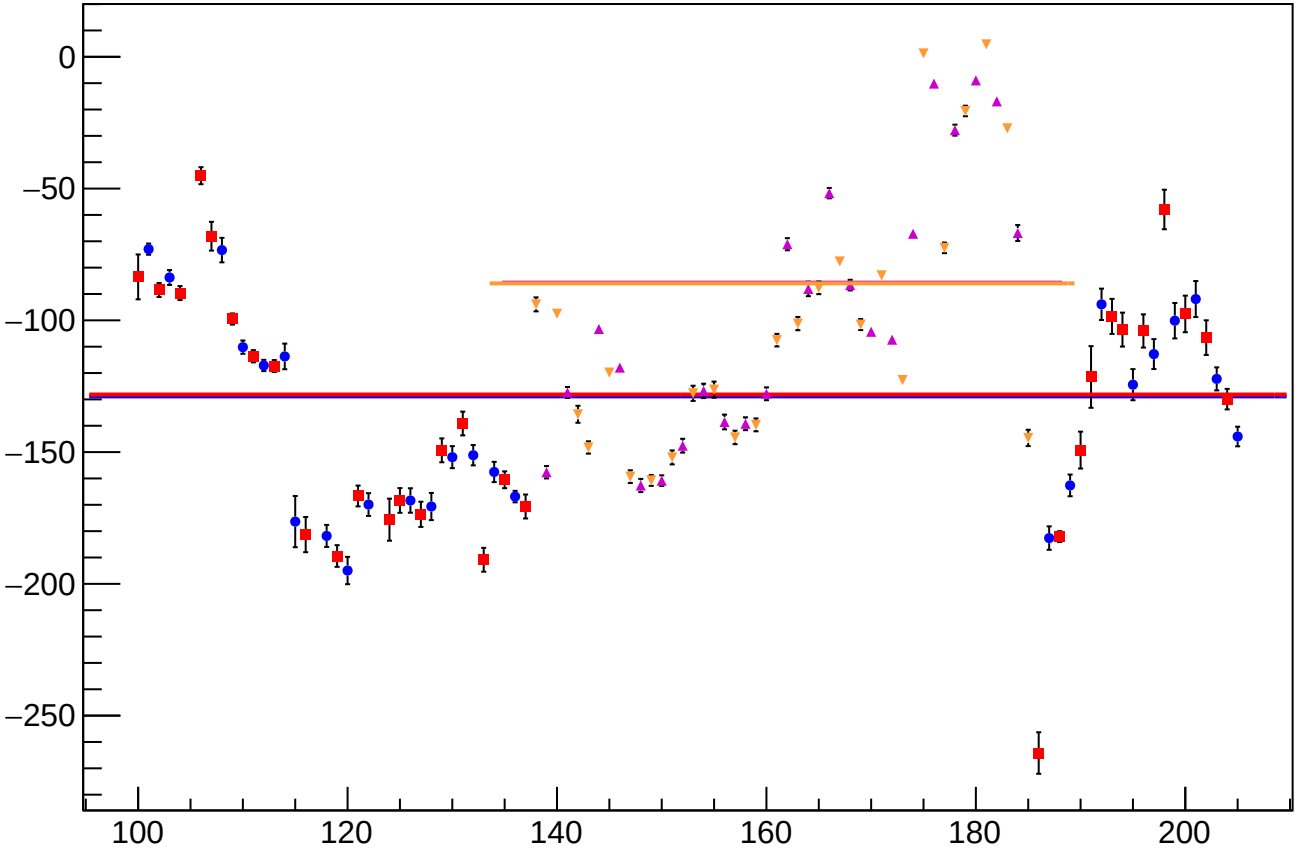
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.990+/-0.299 χ^2/NDF: 8864.8/49

All: 35.647+/-0.214 χ^2/NDF: 15776.0/102

- sign 35.288+/-0.307 χ^2/NDF: 6908.5/52

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -128.857+/-0.741 χ^2/NDF: 2504.9/24

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.154+/-0.698 χ^2/NDF: 3633.7/29

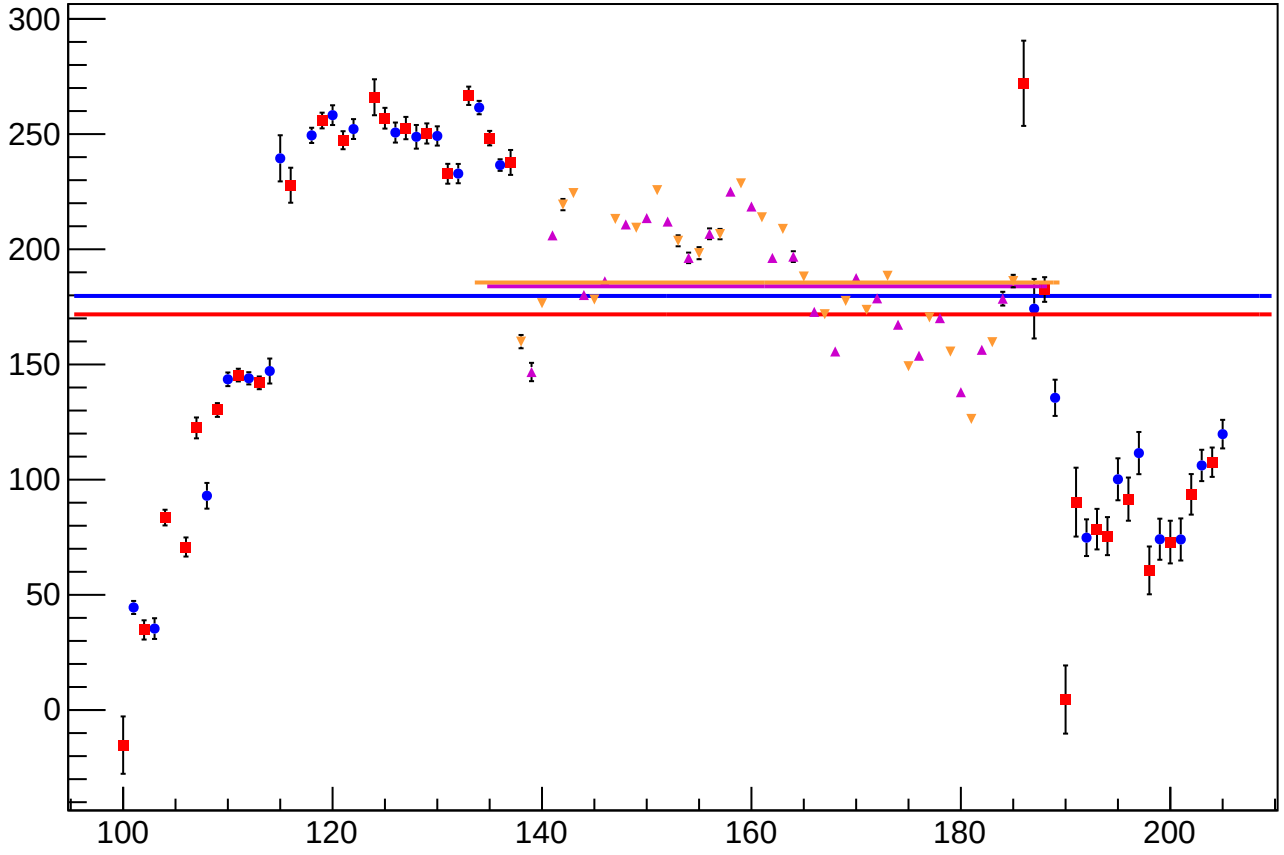
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

\+ sign -96.419+/-0.366 χ^2/NDF: 21268.3/49

All: -96.942+/-0.259 χ^2/NDF: 41334.8/102

\- sign -97.469+/-0.368 χ^2/NDF: 20062.4/52

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 179.746+/-0.870 χ^2/NDF: 8023.5/24

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 171.746+/-0.858 χ^2/NDF: 7653.2/29

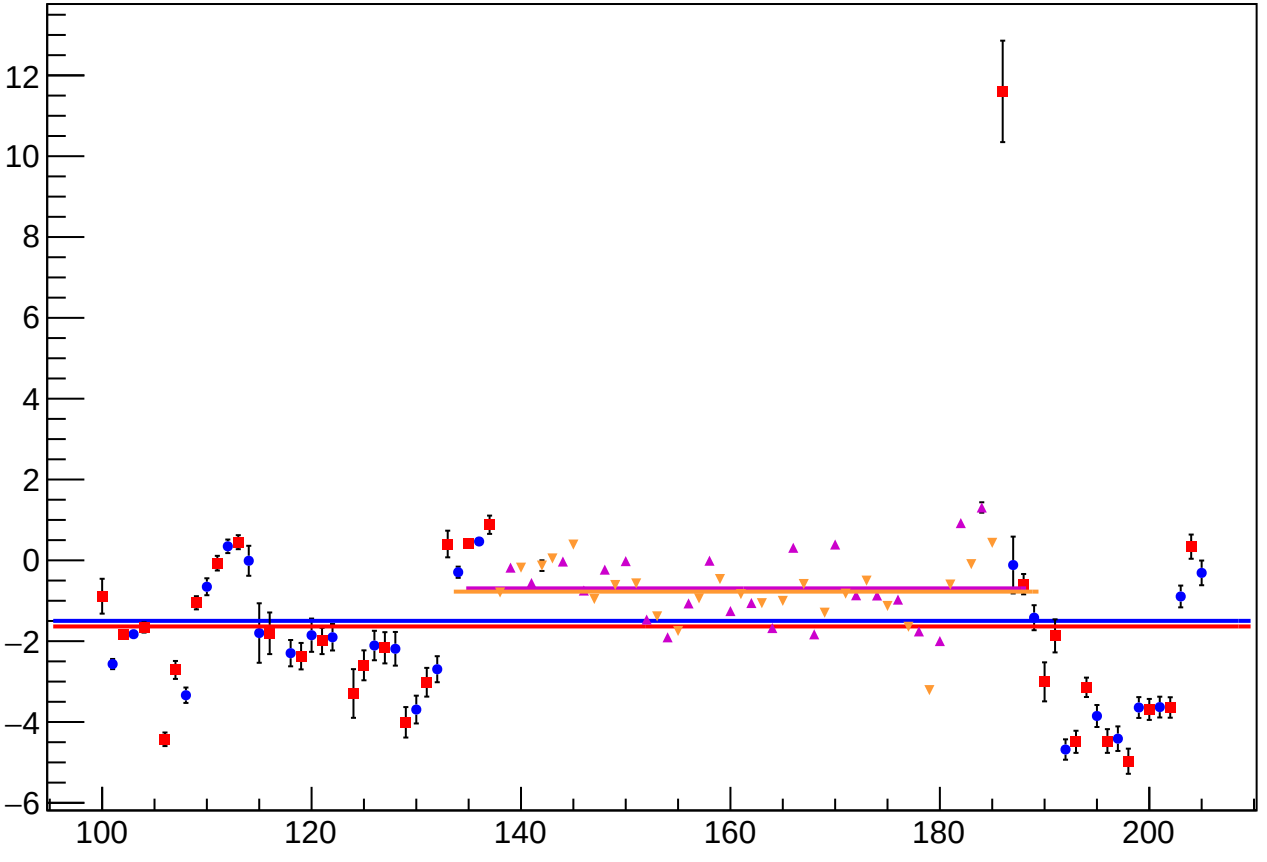
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.703+/-0.338 χ^2/NDF: 13416.4/49

All: 183.364+/-0.242 χ^2/NDF: 25144.3/102

- sign 181.962+/-0.346 χ^2/NDF: 11695.8/52

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.497+/-0.043 χ^2/NDF: 1329.9/24

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.636+/-0.042 χ^2/NDF: 1713.4/29

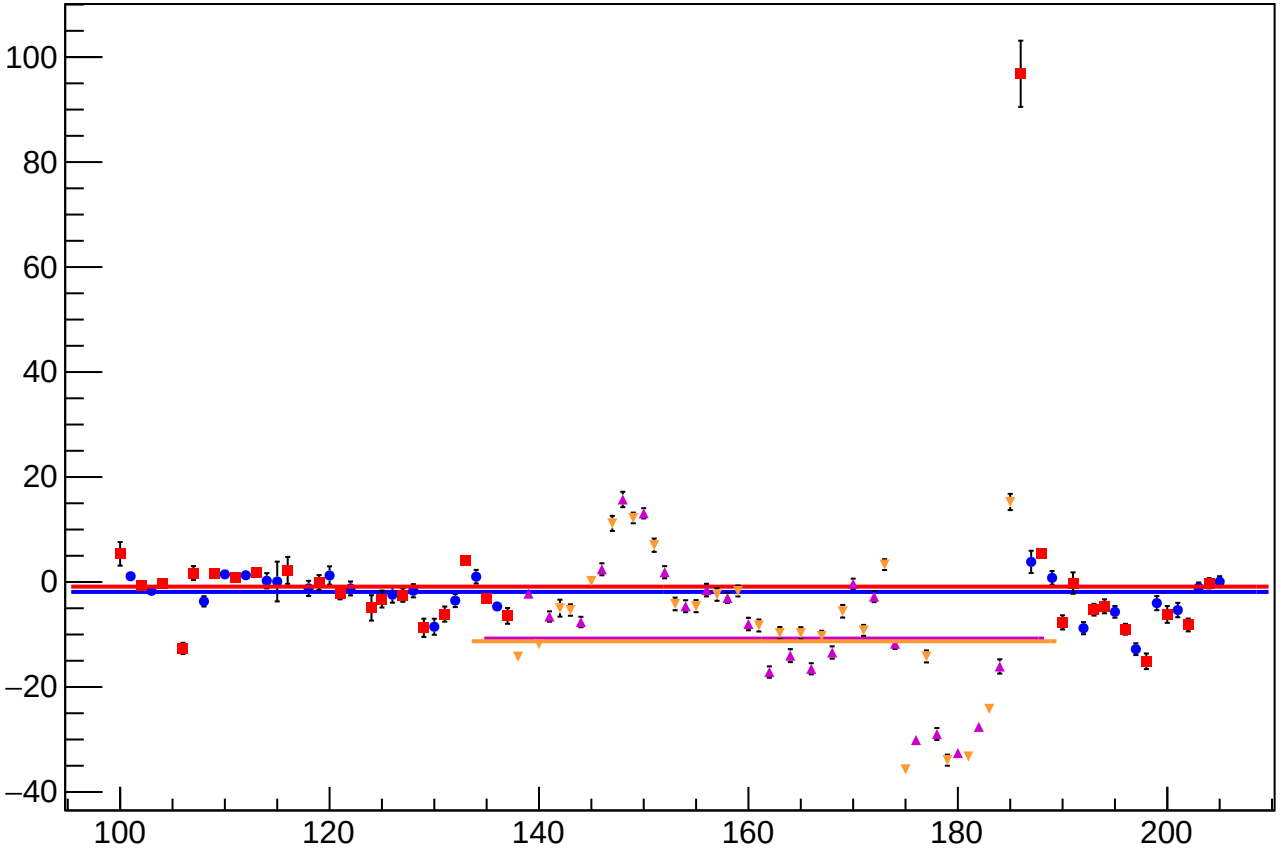
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.866+/-0.015 χ^2/NDF: 3399.8/49

All: -0.845+/-0.011 χ^2/NDF: 8115.3/102

- sign -0.823+/-0.016 χ^2/NDF: 4711.6/52

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.888+/-0.214 χ^2/NDF: 283.1/24

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.878+/-0.188 χ^2/NDF: 881.8/29

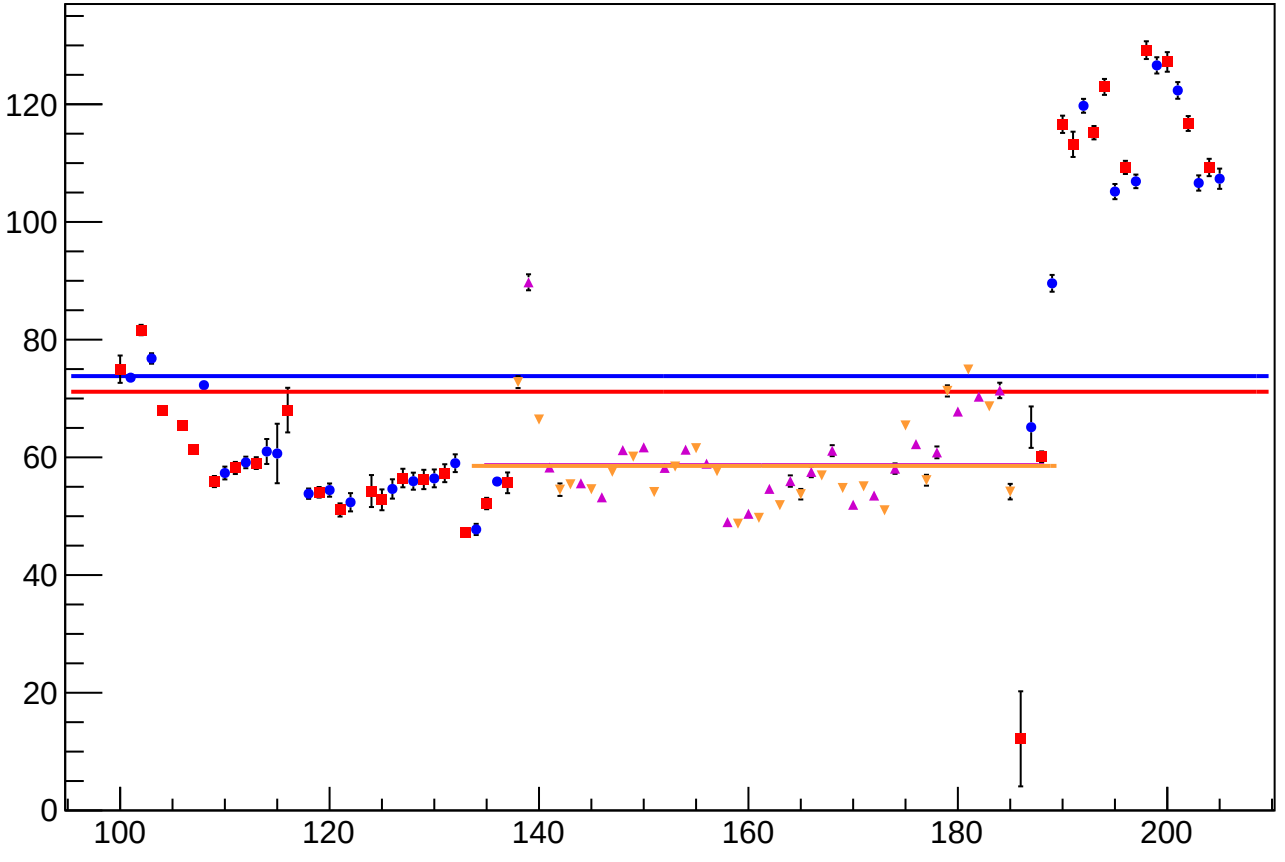
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.722+/-0.149 χ^2/NDF: 5774.2/49

All: -5.921+/-0.102 χ^2/NDF: 11621.2/102

- sign -5.204+/-0.141 χ^2/NDF: 5792.4/52

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 73.806+/-0.231 χ^2/NDF: 9957.5/24

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.150+/-0.210 χ^2/NDF: 14055.1/29

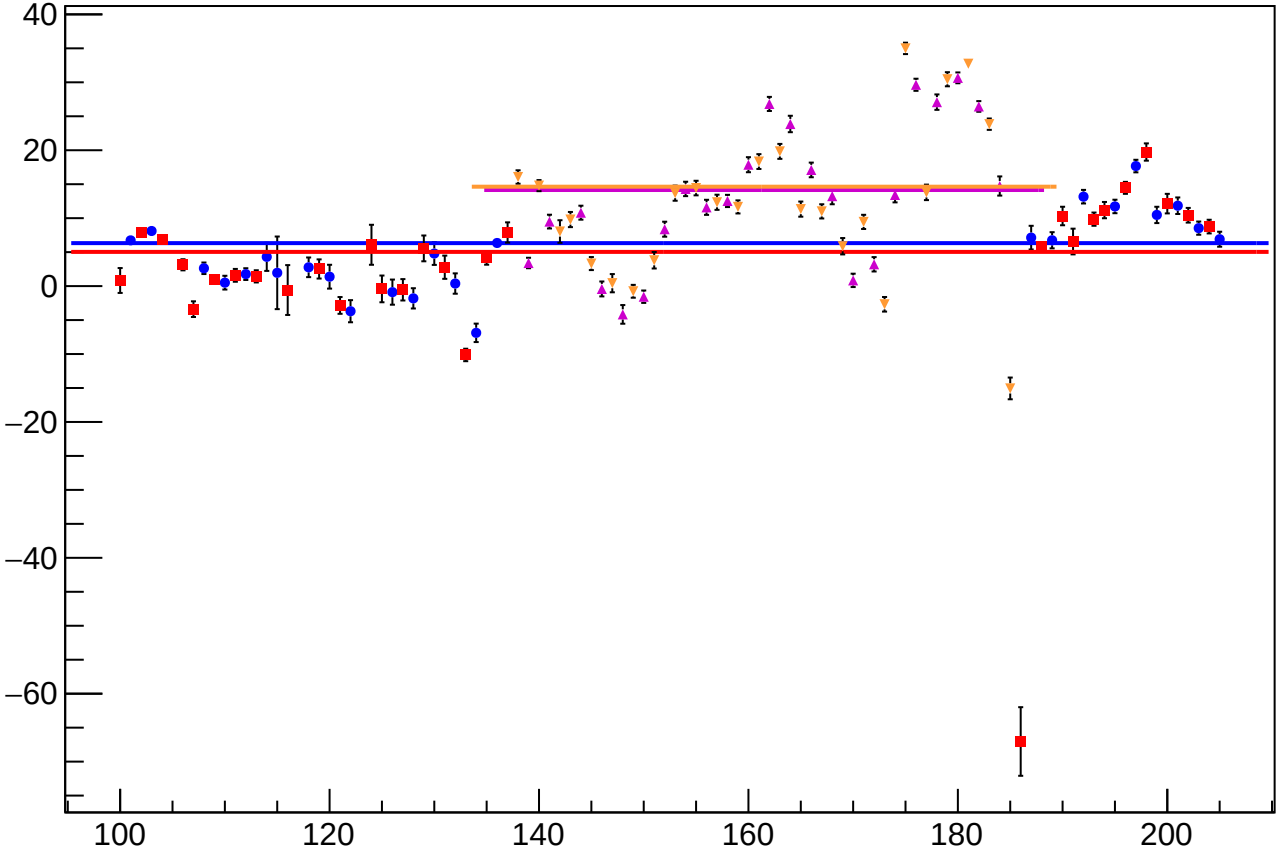
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 63.554+/-0.132 χ^2/NDF: 14799.3/49

All: 63.556+/-0.093 χ^2/NDF: 32614.5/102

- sign 63.559+/-0.131 χ^2/NDF: 17815.2/52

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.327+/-0.215 χ^2/NDF: 562.0/24

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.036+/-0.191 χ^2/NDF: 1082.4/29

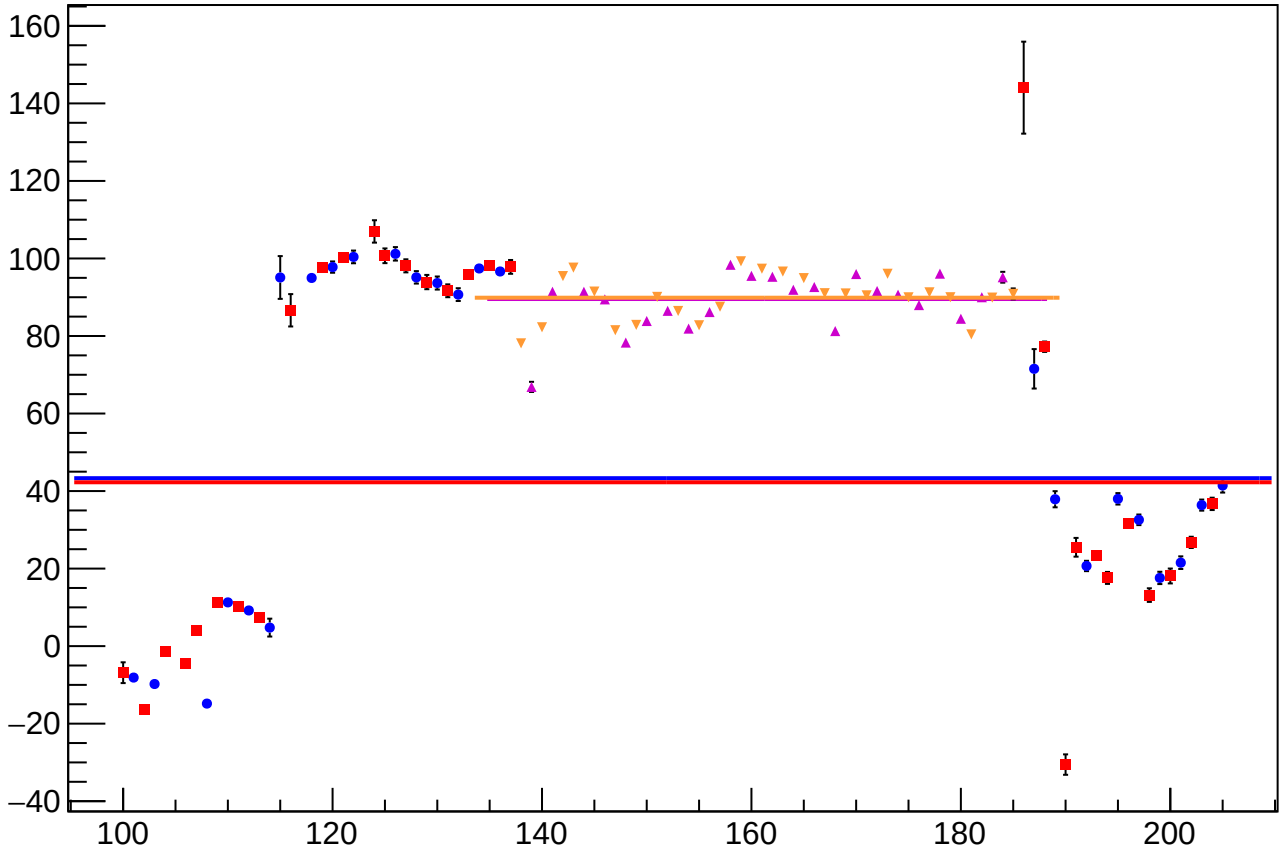
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.640+/-0.149 χ^2/NDF: 4300.7/49

All: 9.855+/-0.103 χ^2/NDF: 8998.3/102

- sign 9.144+/-0.142 χ^2/NDF: 4644.6/52

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.322+/-0.268 χ^2/NDF: 27931.9/24

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.266+/-0.247 χ^2/NDF: 31737.0/29

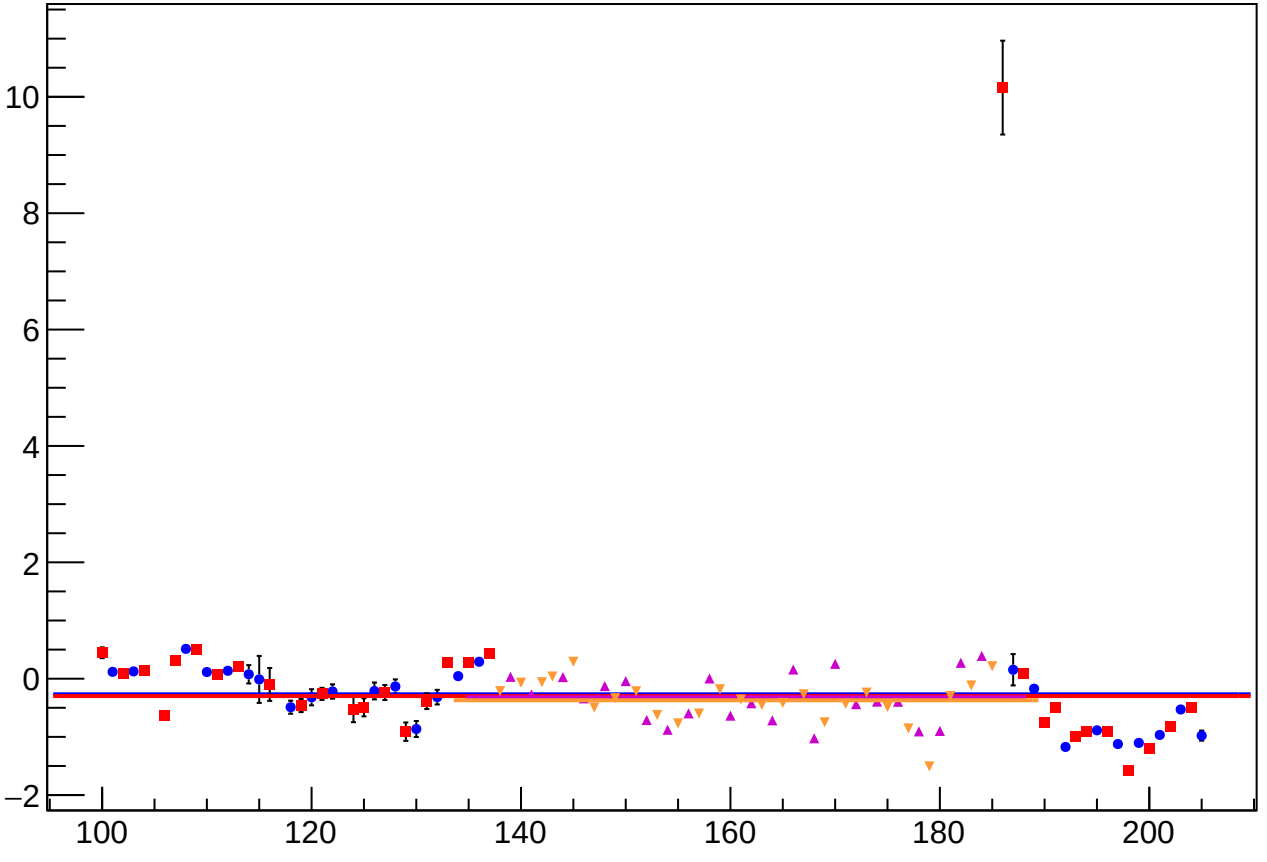
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 75.290+/-0.150 χ^2/NDF: 49717.1/49

All: 73.787+/-0.106 χ^2/NDF: 105932.3/102

- sign 72.295+/-0.149 χ^2/NDF: 56015.2/52

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.268+/-0.011 χ^2/NDF: 2953.2/24

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.299+/-0.010 χ^2/NDF: 3456.9/29

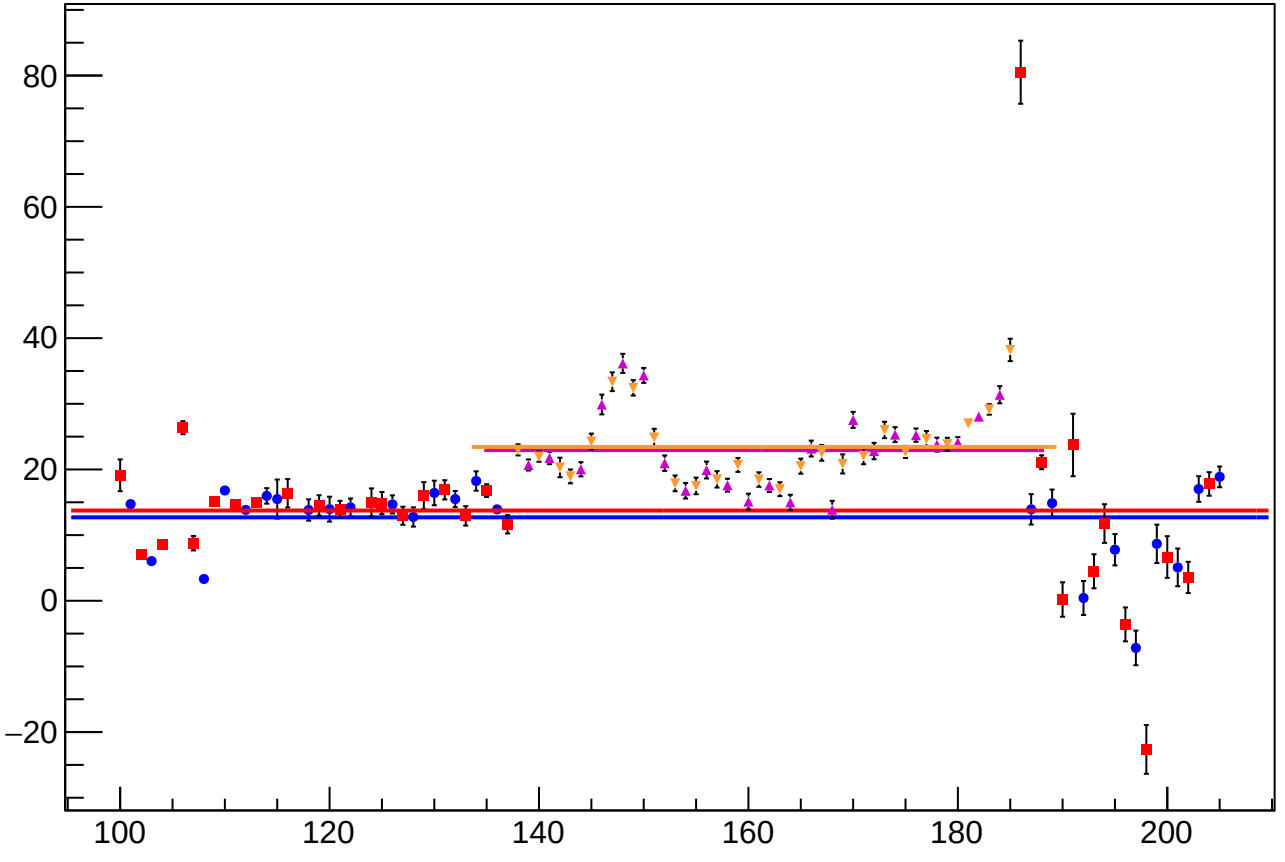
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.335+/-0.006 χ^2/NDF: 4779.3/49

All: -0.323+/-0.005 χ^2/NDF: 10686.5/102

- sign -0.311+/-0.006 χ^2/NDF: 5900.5/52

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.708+/-0.206 χ^2/NDF: 502.3/24

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.744+/-0.195 χ^2/NDF: 858.5/29

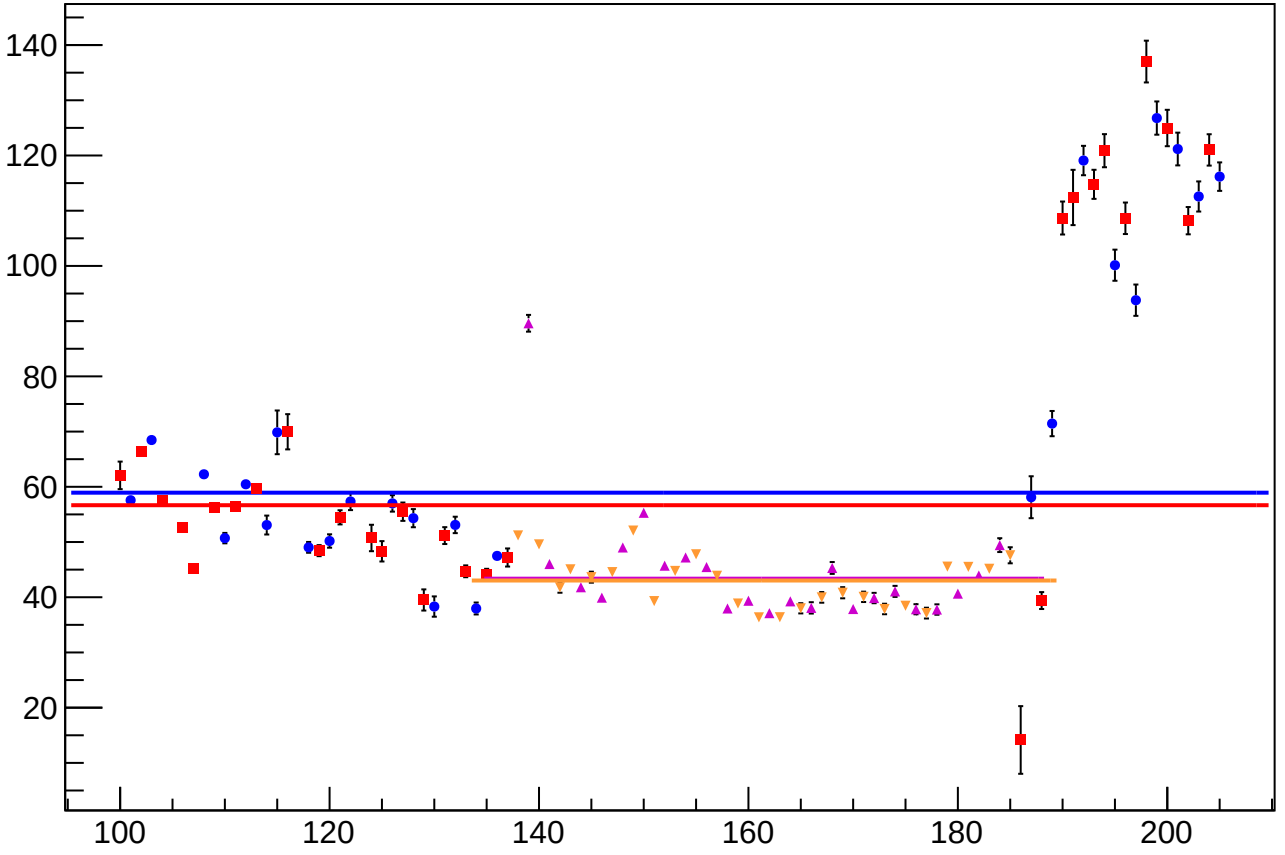
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.813+/-0.149 χ^2/NDF: 2223.1/49

All: 17.753+/-0.105 χ^2/NDF: 4599.7/102

- sign 17.693+/-0.148 χ^2/NDF: 2376.3/52

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 58.935+/-0.216 χ^2/NDF: 3948.5/24

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.667+/-0.217 χ^2/NDF: 4840.8/29

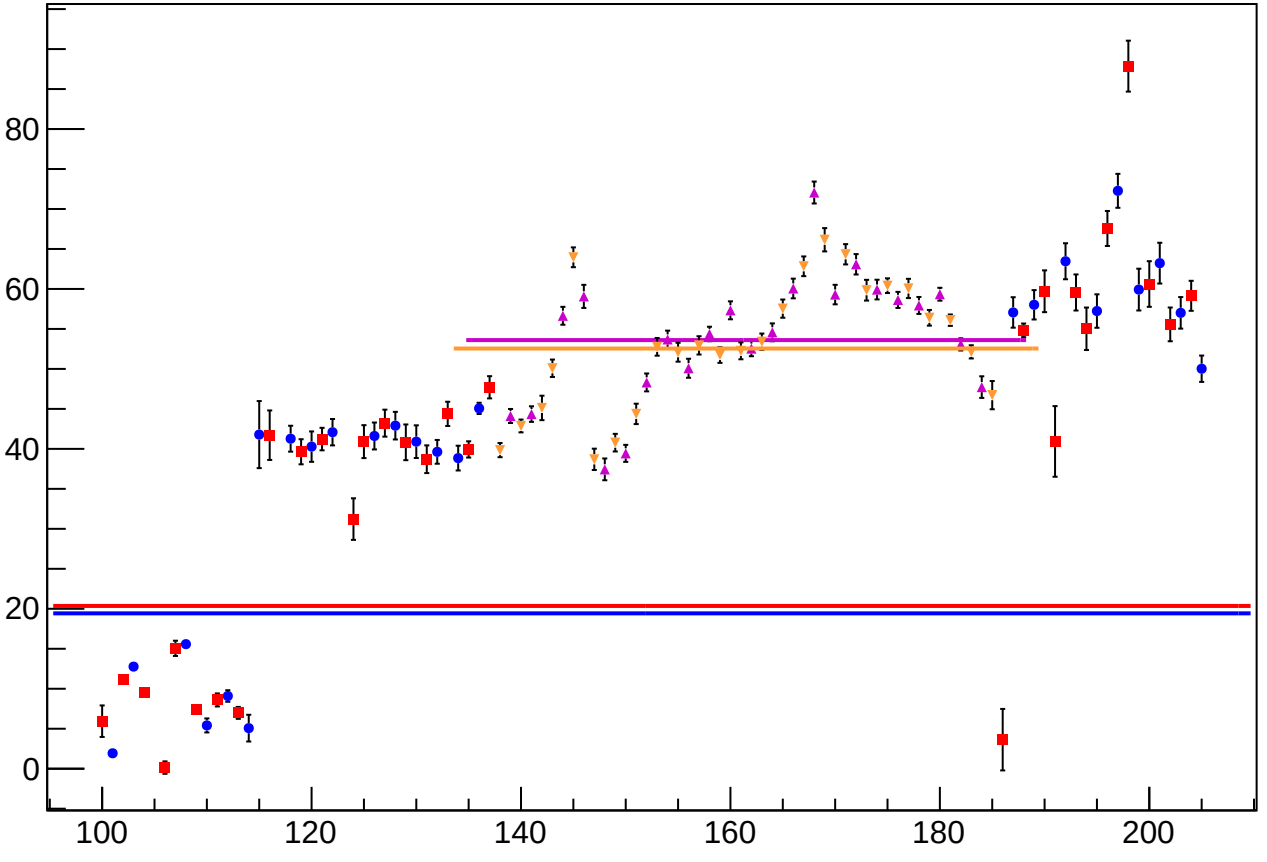
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.002+/-0.132 χ^2/NDF: 8123.8/49

All: 48.848+/-0.095 χ^2/NDF: 16909.8/102

- sign 48.684+/-0.137 χ^2/NDF: 8783.2/52

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 19.429+/-0.204 χ^2/NDF: 8906.9/24

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.356+/-0.205 χ^2/NDF: 8596.8/29

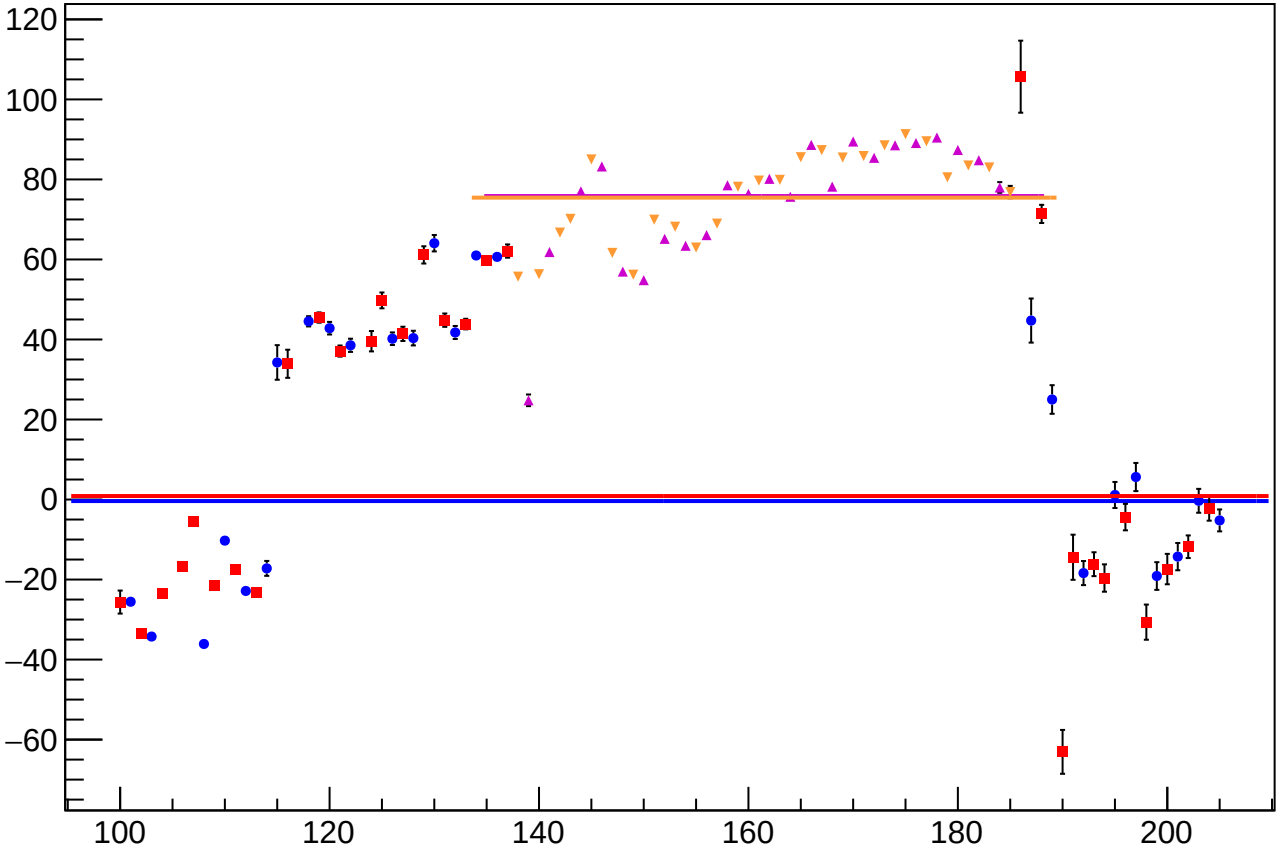
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.168+/-0.148 χ^2/NDF: 22595.7/49

All: 35.386+/-0.106 χ^2/NDF: 44253.4/102

- sign 35.613+/-0.151 χ^2/NDF: 21653.3/52

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.384+/-0.254 χ^2/NDF: 21236.2/24

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.869+/-0.256 χ^2/NDF: 17438.4/29

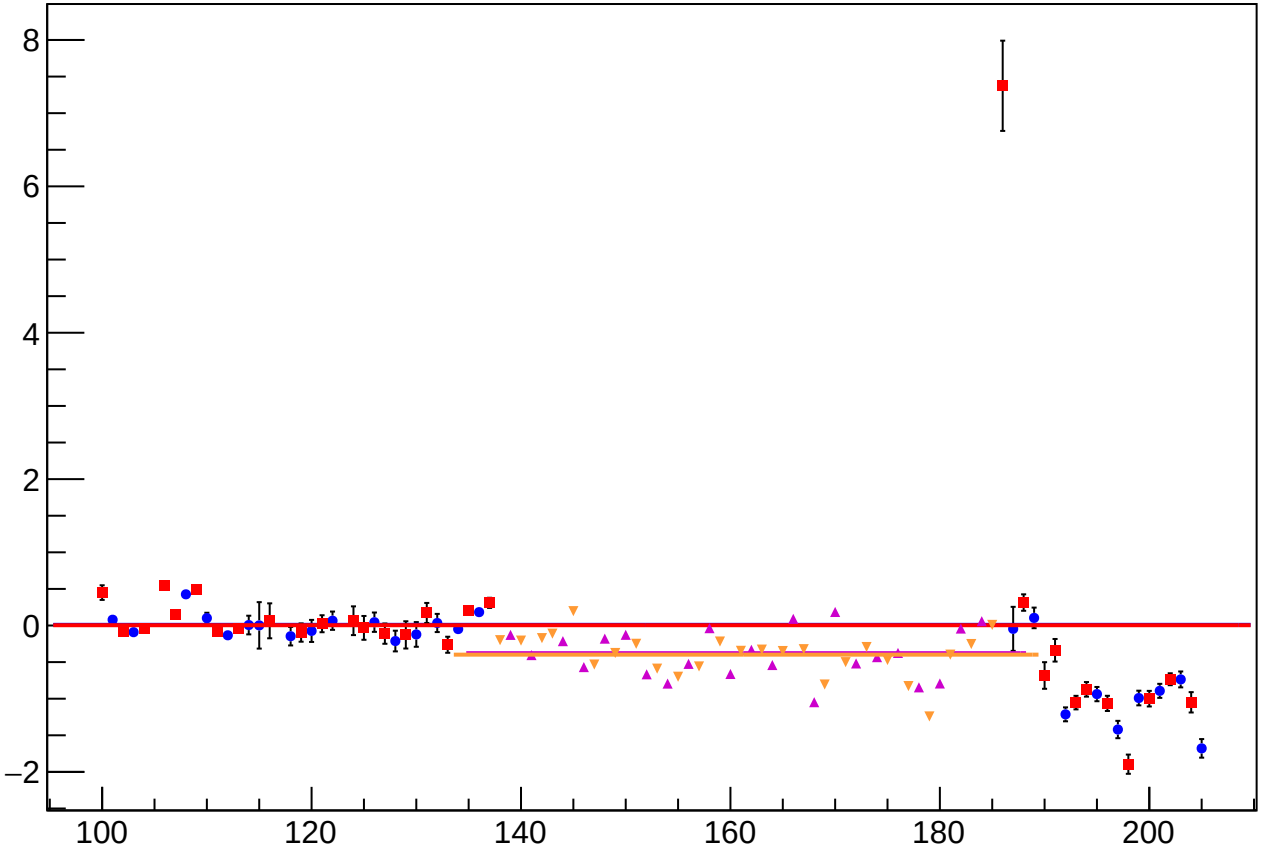
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.606+/-0.151 χ^2/NDF: 82087.6/49

All: 48.245+/-0.109 χ^2/NDF: 157722.8/102

- sign 47.861+/-0.156 χ^2/NDF: 75623.5/52

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 1177.6/24

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.004+/-0.011 χ^2/NDF: 1378.3/29

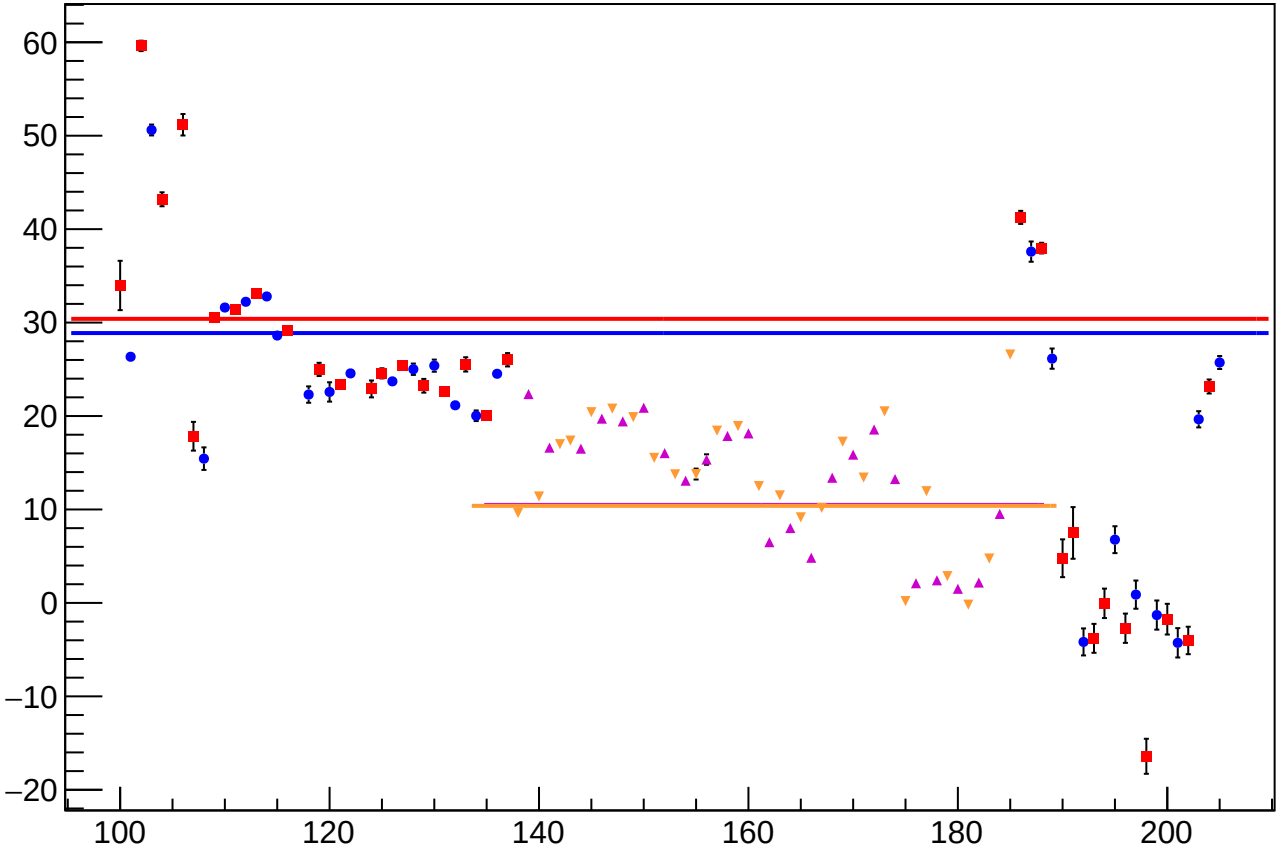
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.244+/-0.007 χ^2/NDF: 3099.6/49

All: -0.237+/-0.005 χ^2/NDF: 6592.8/102

- sign -0.230+/-0.007 χ^2/NDF: 3491.3/52

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.879+/-0.089 χ^2/NDF: 5552.7/24

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.401+/-0.078 χ^2/NDF: 8701.4/29

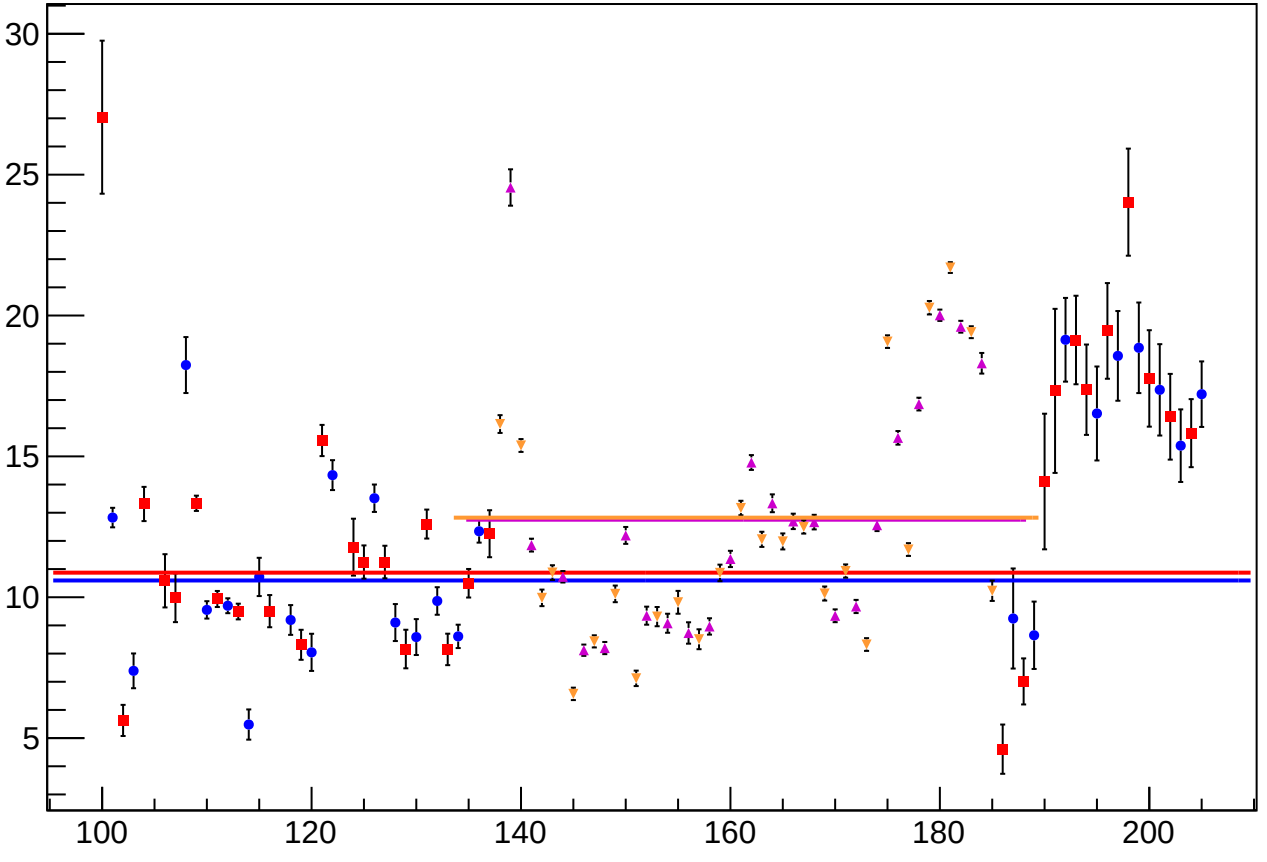
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.687+/-0.052 χ^2/NDF: 47657.3/49

All: 17.843+/-0.036 χ^2/NDF: 106545.0/102

- sign 18.938+/-0.051 χ^2/NDF: 57927.4/52

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.595+/-0.111 χ^2/NDF: 572.2/24

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.873+/-0.109 χ^2/NDF: 660.7/29

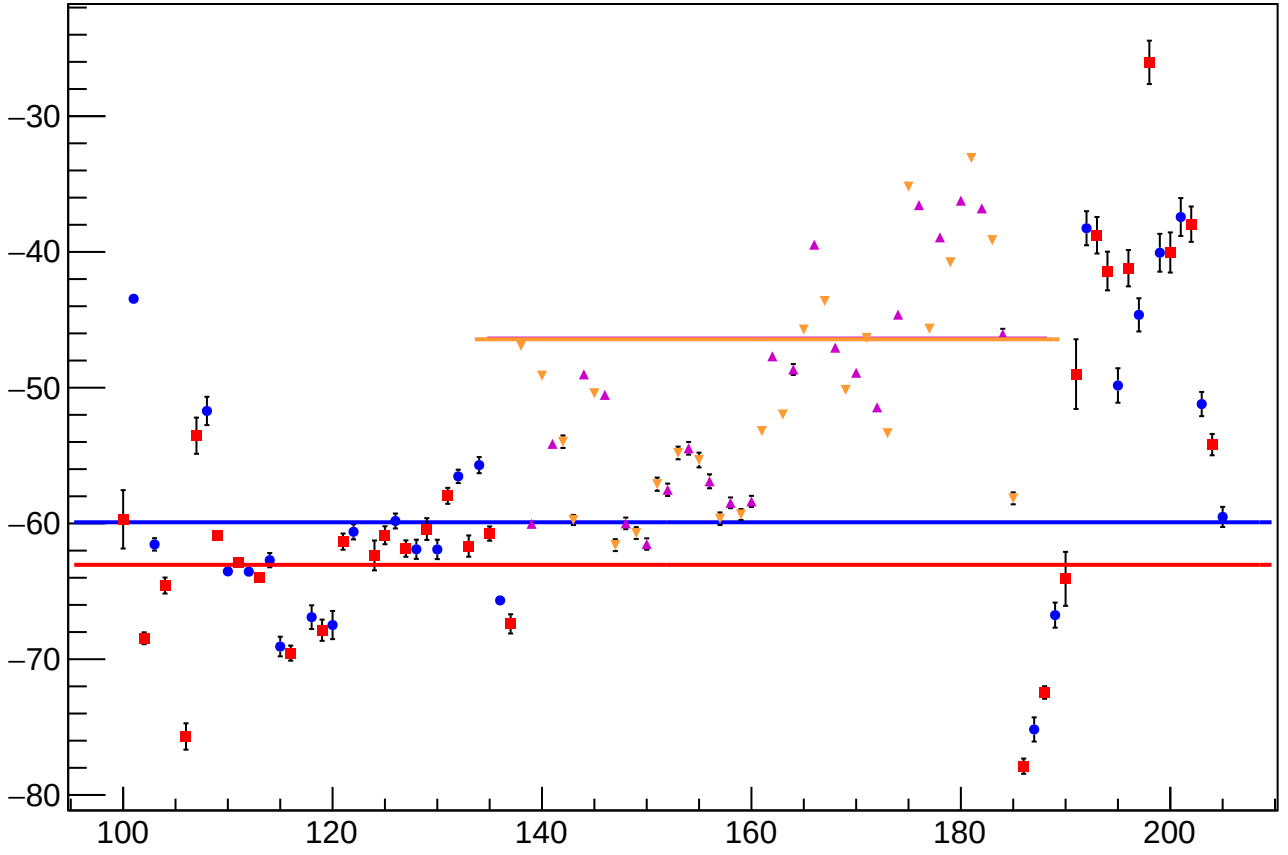
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.435+/-0.046 χ^2/NDF: 8922.3/49

All: 12.414+/-0.033 χ^2/NDF: 15327.1/102

- sign 12.393+/-0.048 χ^2/NDF: 6404.5/52

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -59.913+/-0.107 χ^2/NDF: 5036.2/24

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.048+/-0.100 χ^2/NDF: 4084.8/29

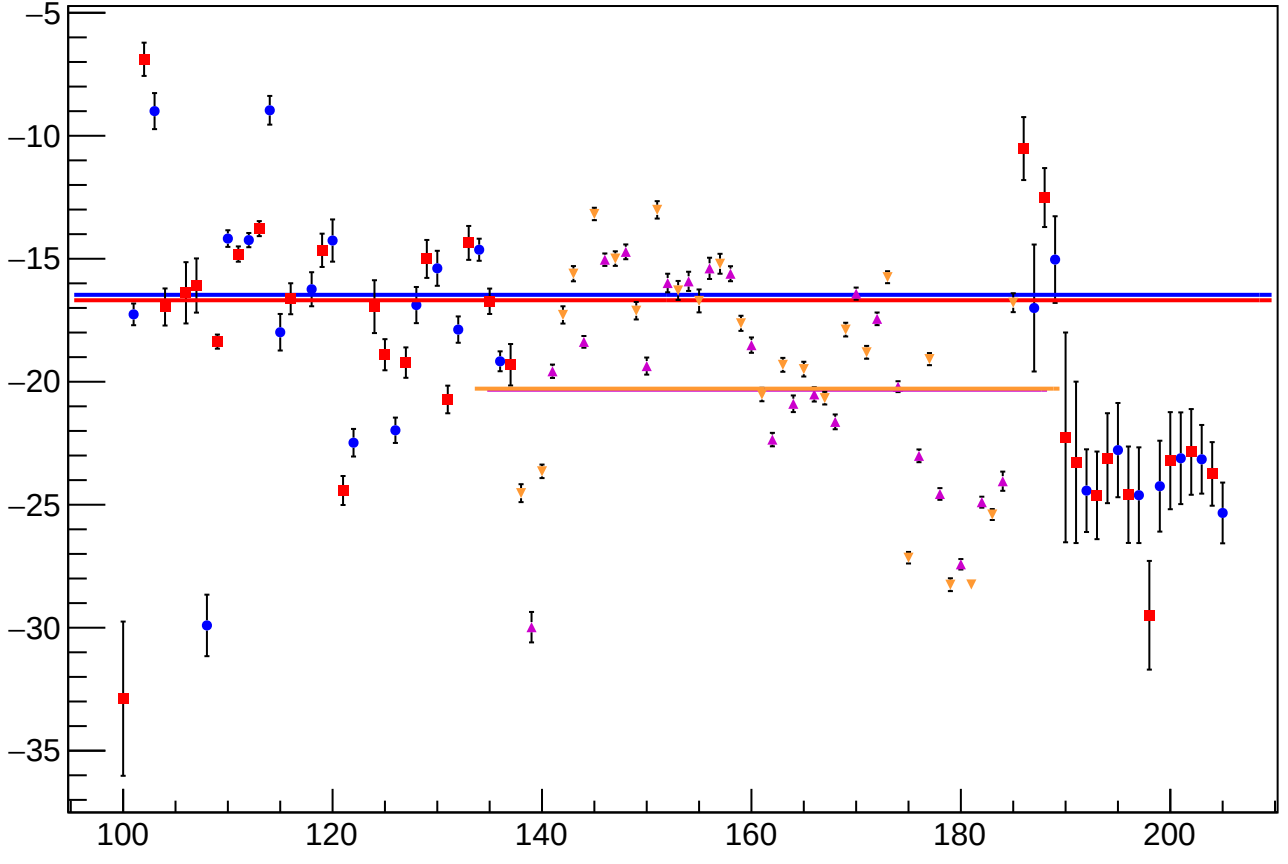
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.003+/-0.055 χ^2/NDF: 34793.8/49

All: -50.757+/-0.039 χ^2/NDF: 73516.1/102

- sign -51.519+/-0.056 χ^2/NDF: 38348.0/52

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.466+/-0.124 χ^2/NDF: 959.8/24

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.687+/-0.121 χ^2/NDF: 863.0/29

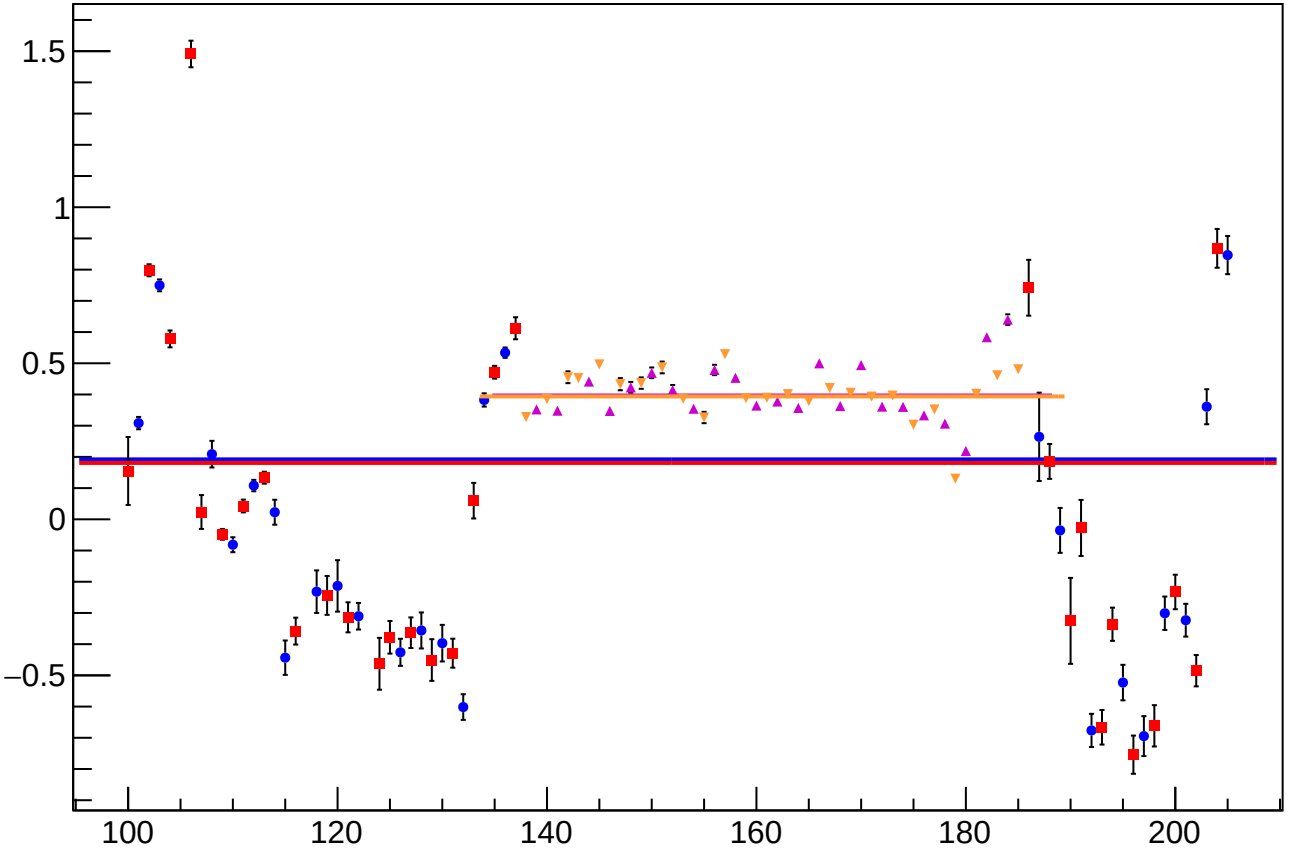
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.615+/-0.052 χ^2/NDF: 8759.5/49

All: -19.620+/-0.037 χ^2/NDF: 14623.0/102

- sign -19.626+/-0.053 χ^2/NDF: 5863.5/52

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.192+/-0.007 χ^2/NDF: 3606.3/24

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.181+/-0.007 χ^2/NDF: 4792.0/29

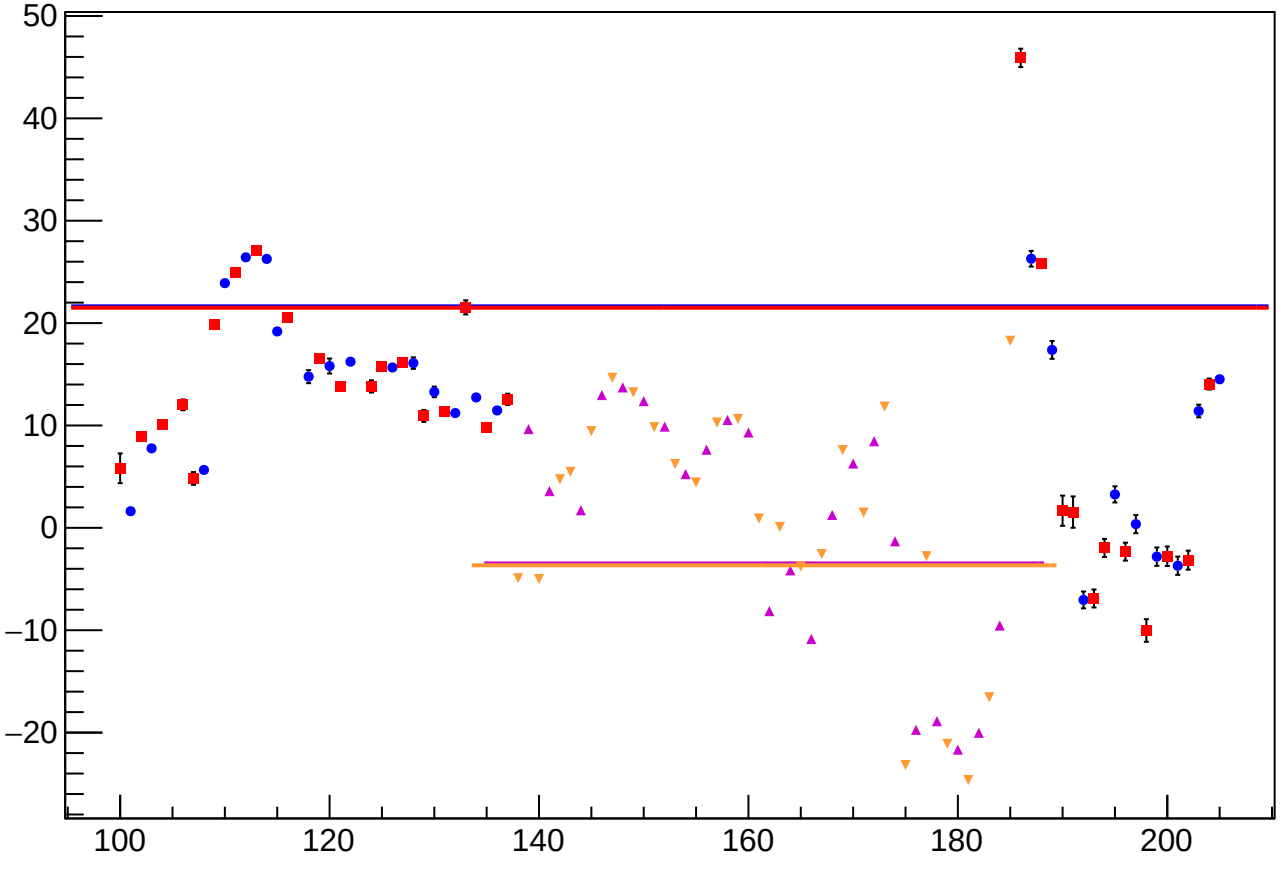
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.368+/-0.002 χ^2/NDF: 5350.9/49

All: 0.368+/-0.002 χ^2/NDF: 12352.6/102

- sign 0.367+/-0.002 χ^2/NDF: 7001.7/52

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.639+/-0.055 χ^2/NDF: 16968.3/24

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.502+/-0.045 χ^2/NDF: 16798.5/29

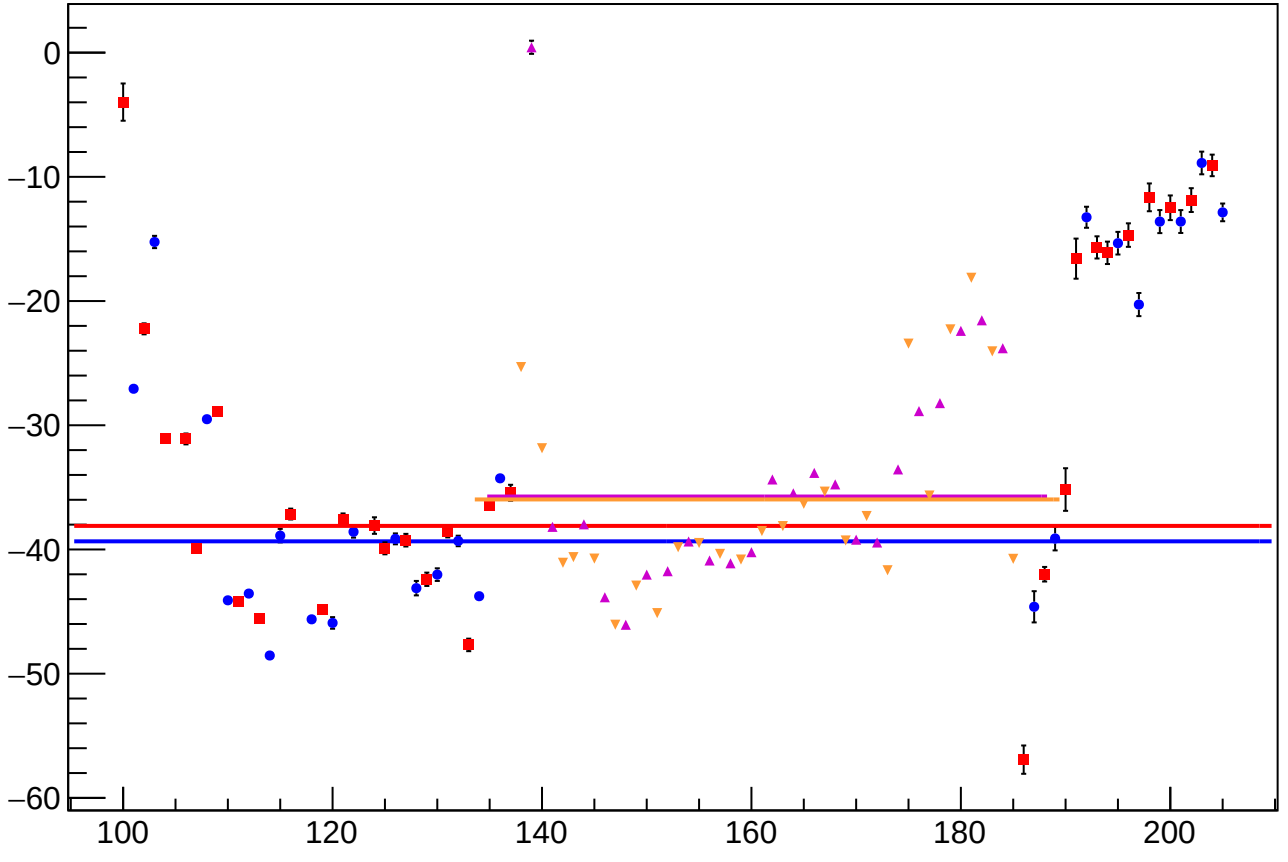
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.878+/-0.039 χ^2/NDF: 180353.5/49

All: 10.512+/-0.026 χ^2/NDF: 361994.6/102

- sign 11.894+/-0.036 χ^2/NDF: 178355.4/52

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.345+/-0.074 χ^2/NDF: 14221.9/24

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.102+/-0.069 χ^2/NDF: 15685.9/29

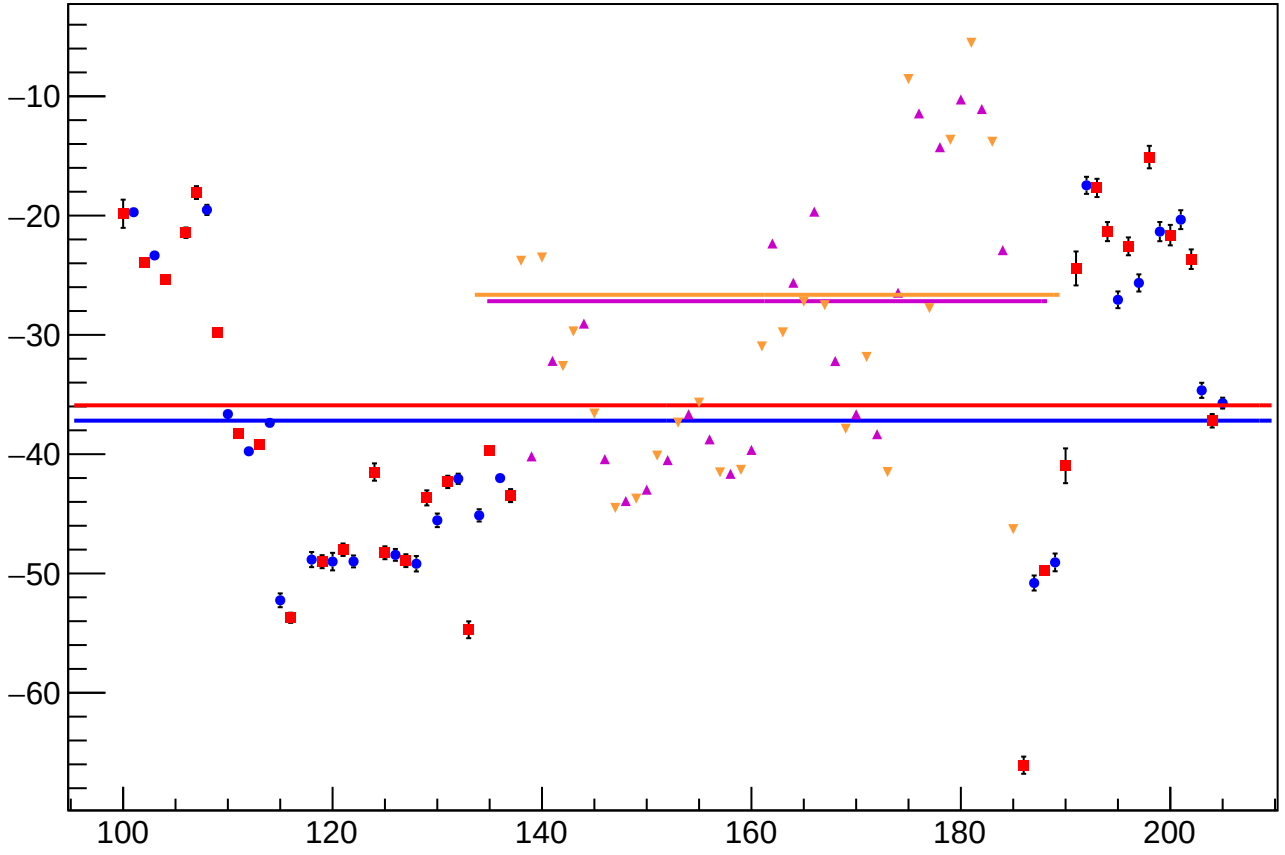
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.805+/-0.037 χ^2/NDF: 49389.7/49

All: -36.627+/-0.026 χ^2/NDF: 93103.7/102

- sign -36.442+/-0.038 χ^2/NDF: 43666.7/52

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.189+/-0.070 χ^2/NDF: 13711.0/24

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.905+/-0.061 χ^2/NDF: 19069.8/29

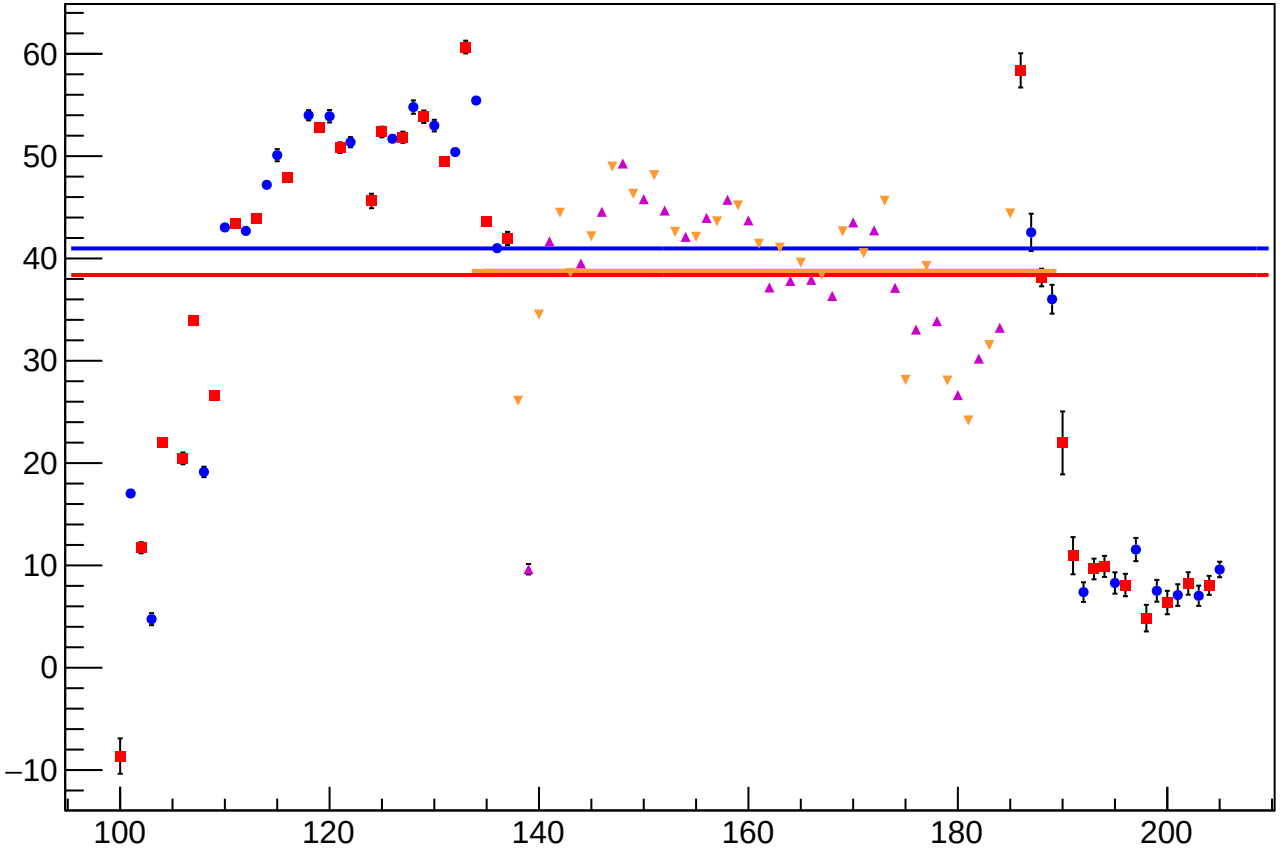
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.634+/-0.043 χ^2/NDF: 77909.7/49

All: -30.945+/-0.030 χ^2/NDF: 148900.8/102

- sign -31.239+/-0.042 χ^2/NDF: 70889.7/52

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.980+/-0.083 χ^2/NDF: 22971.7/24

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.385+/-0.076 χ^2/NDF: 24201.8/29

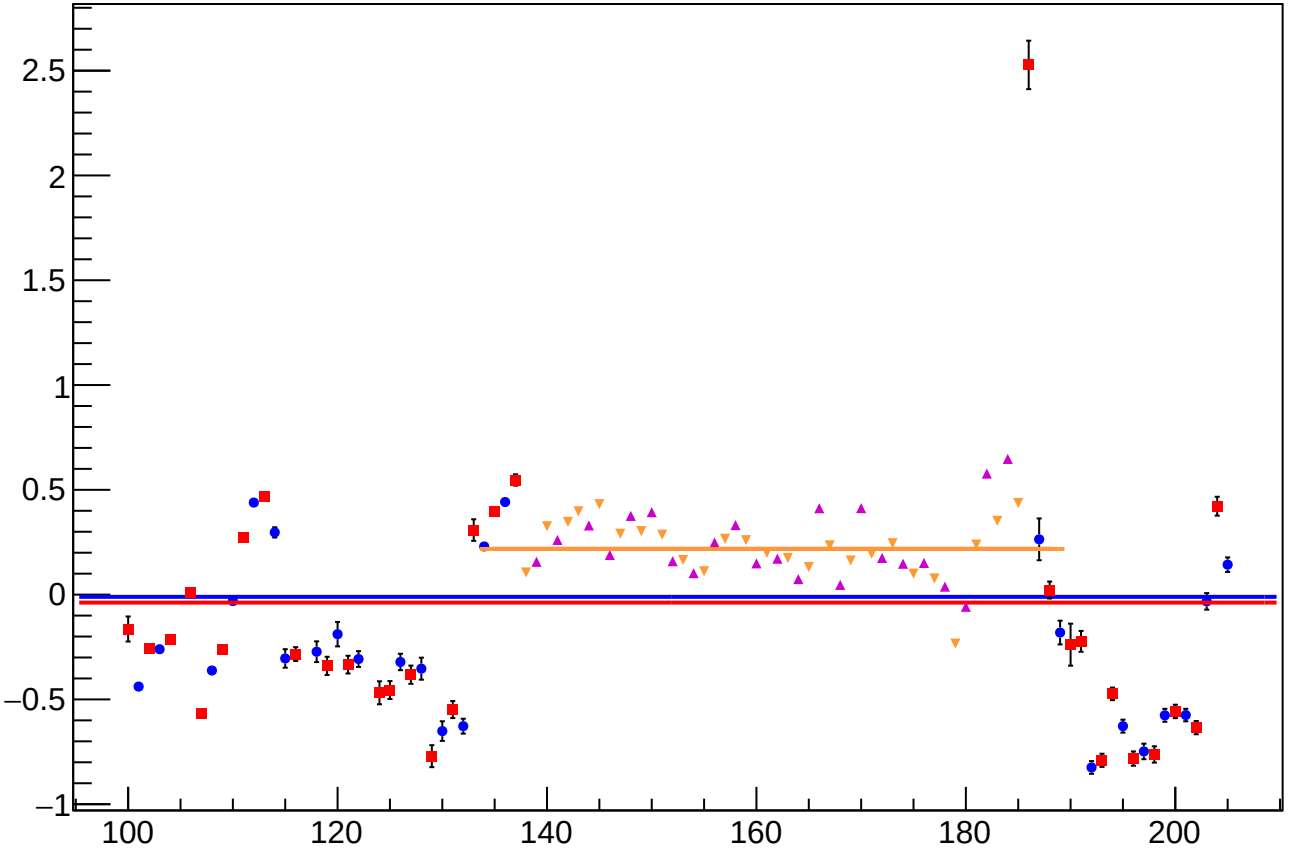
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.328+/-0.041 χ^2/NDF: 44574.9/49

All: 39.003+/-0.029 χ^2/NDF: 85162.7/102

- sign 38.668+/-0.042 χ^2/NDF: 40462.3/52

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.011+/-0.004 χ^2/NDF: 7983.6/24

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.038+/-0.004 χ^2/NDF: 9433.6/29

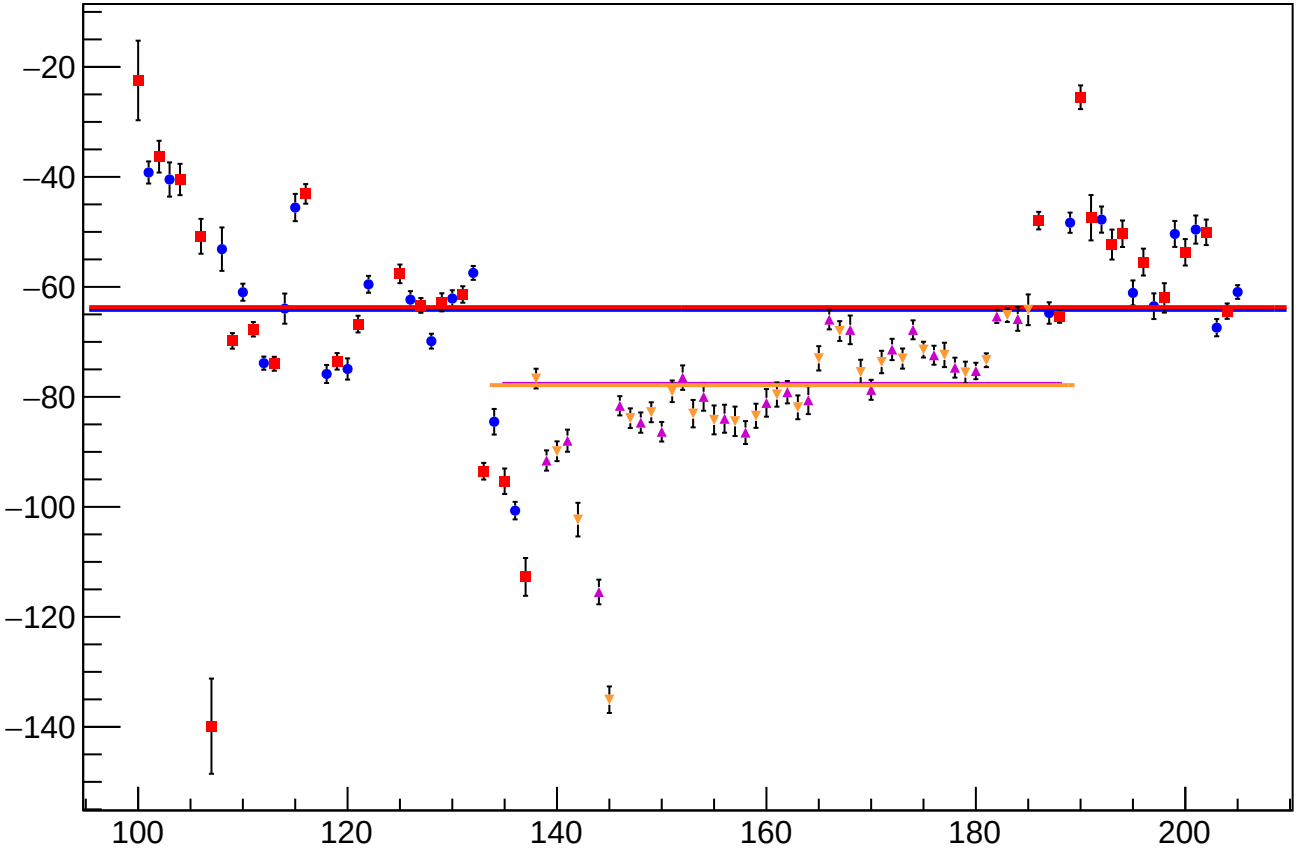
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.175+/-0.002 χ^2/NDF: 14164.6/49

All: 0.168+/-0.001 χ^2/NDF: 31947.7/102

- sign 0.160+/-0.002 χ^2/NDF: 17752.0/52

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -64.172+/-0.353 χ^2/NDF: 1287.8/24

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.676+/-0.340 χ^2/NDF: 1889.7/28

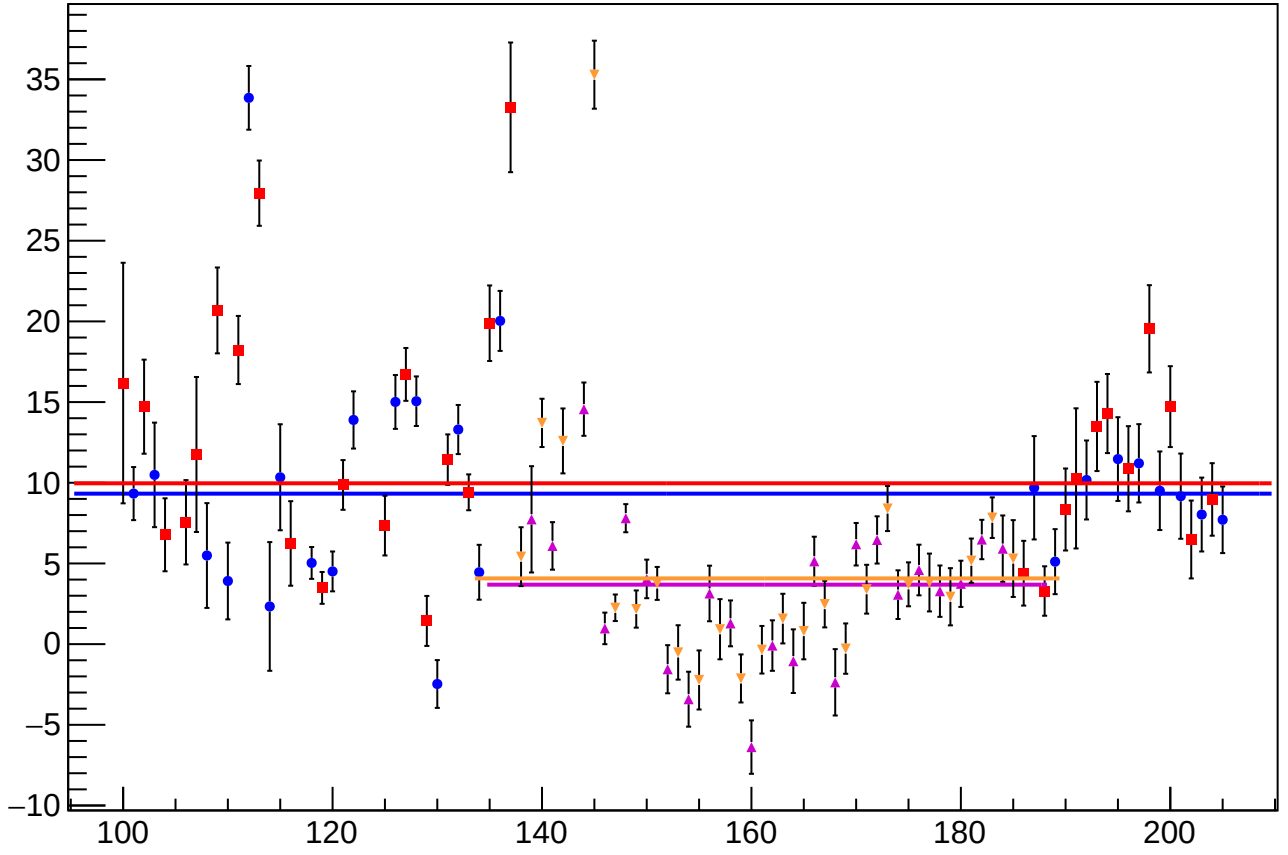
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -70.276+/-0.263 χ^2/NDF: 2889.5/48

All: -69.924+/-0.184 χ^2/NDF: 6192.0/100

- sign -69.586+/-0.258 χ^2/NDF: 3299.0/51

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.325+/-0.377 χ^2/NDF: 348.8/24

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.967+/-0.371 χ^2/NDF: 314.4/28

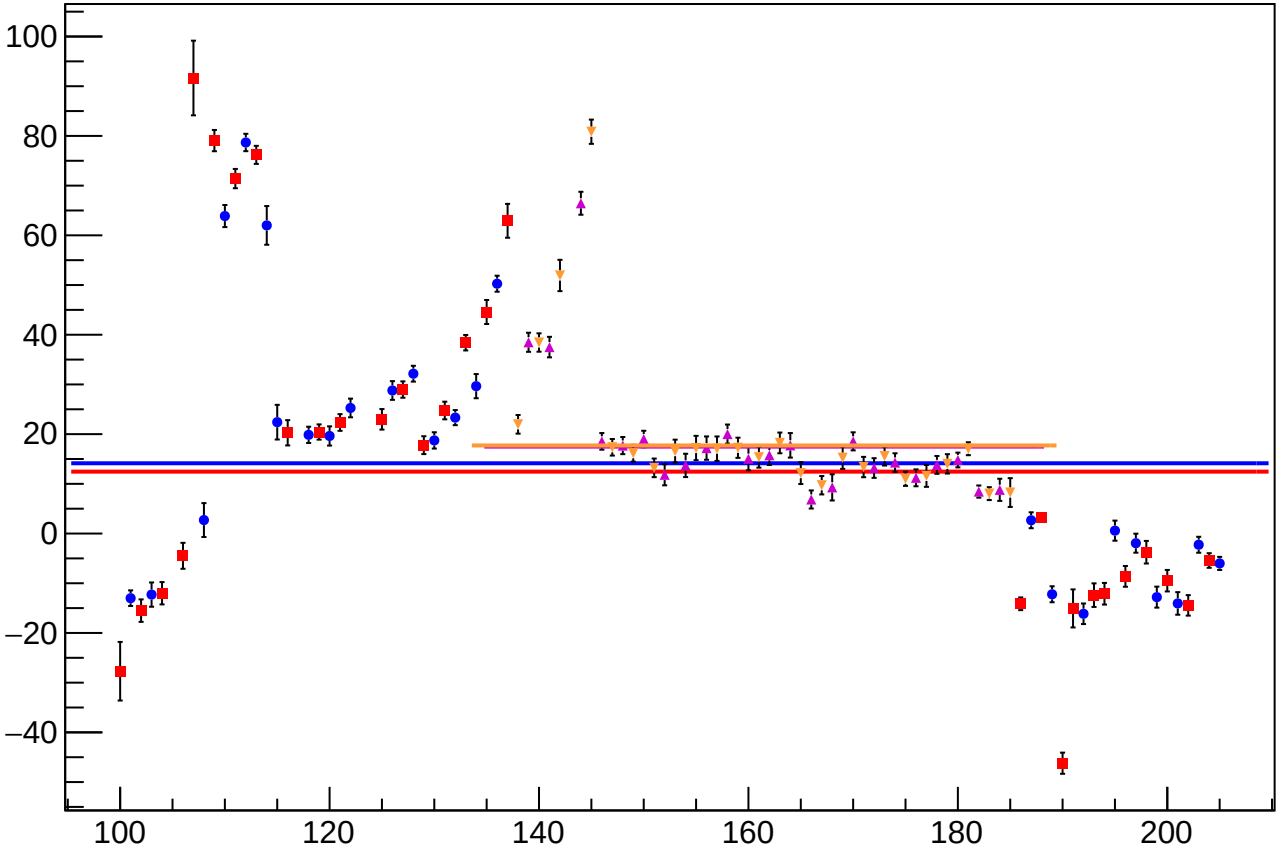
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.080+/-0.233 χ^2/NDF: 839.1/48

All: 6.132+/-0.165 χ^2/NDF: 1508.7/100

- sign 6.185+/-0.234 χ^2/NDF: 669.5/51

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 14.139+/-0.372 χ^2/NDF: 4588.0/24

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 12.457+/-0.351 χ^2/NDF: 6681.3/28

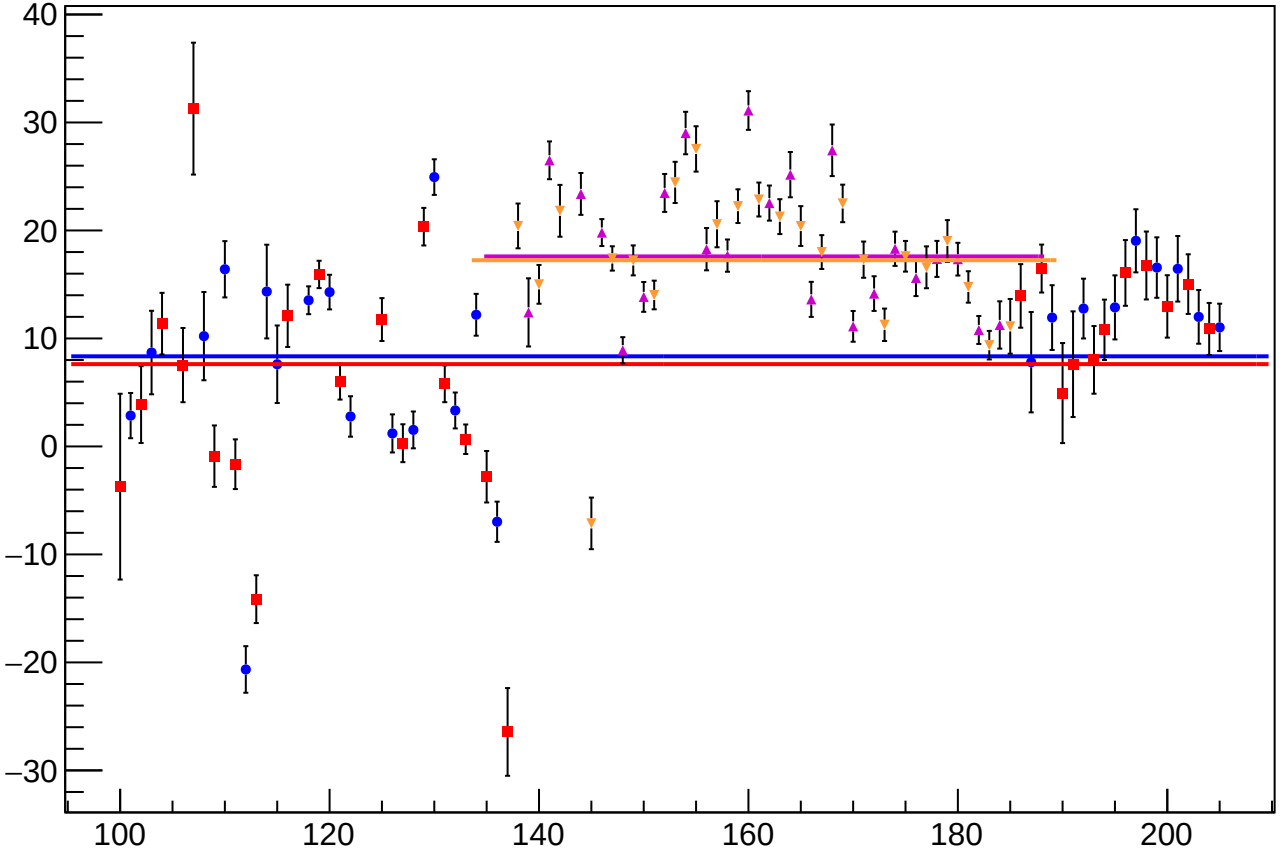
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 15.844+/-0.270 χ^2/NDF: 5690.4/48

All: 15.251+/-0.188 χ^2/NDF: 13293.0/100

- sign 14.694+/-0.262 χ^2/NDF: 7593.3/51

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.345+/-0.439 χ^2/NDF: 491.7/24

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.622+/-0.437 χ^2/NDF: 430.2/28

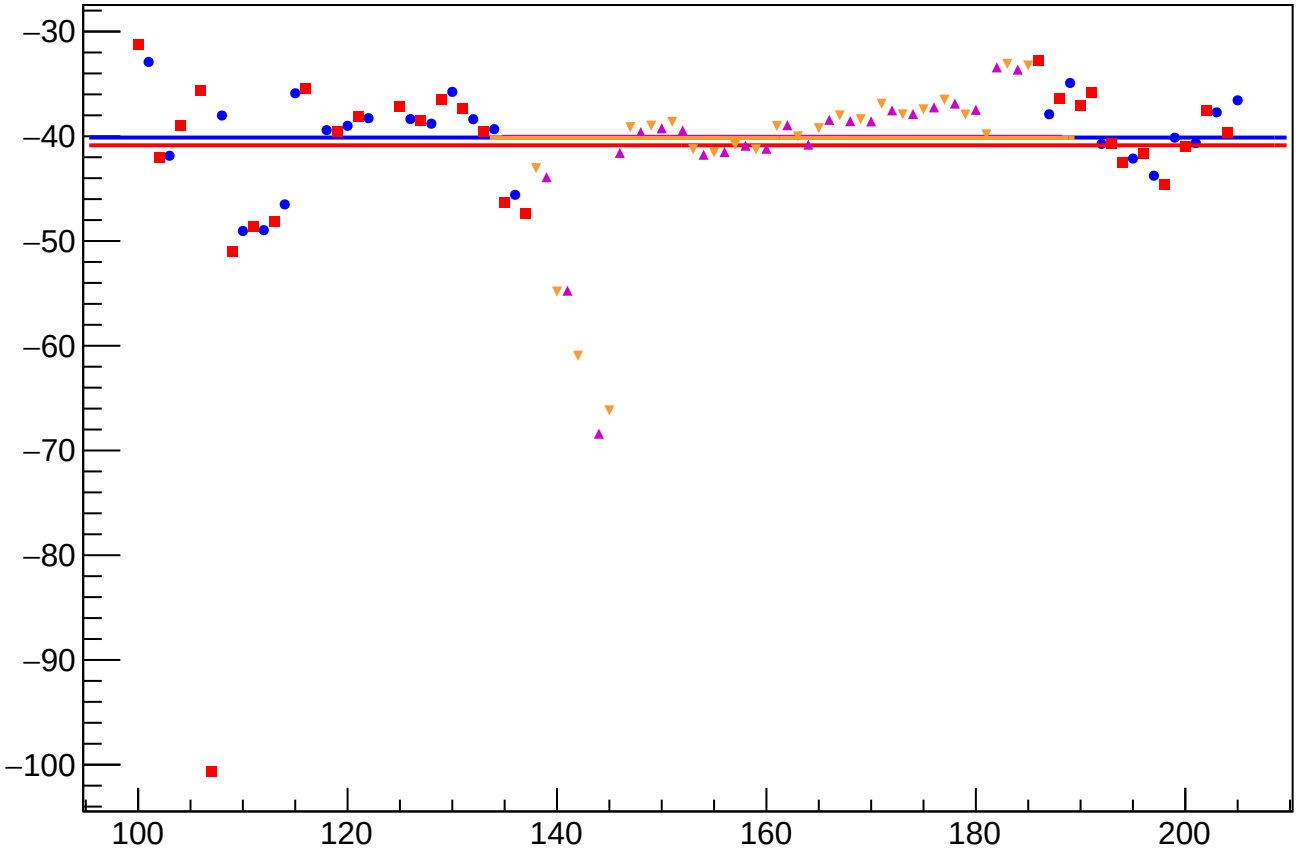
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.928+/-0.268 χ^2/NDF: 1010.8/48

All: 13.866+/-0.190 χ^2/NDF: 2073.9/100

- sign 13.803+/-0.269 χ^2/NDF: 1063.0/51

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.123+/-0.023 χ^2/NDF: 26642.8/24

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.863+/-0.022 χ^2/NDF: 69393.9/28

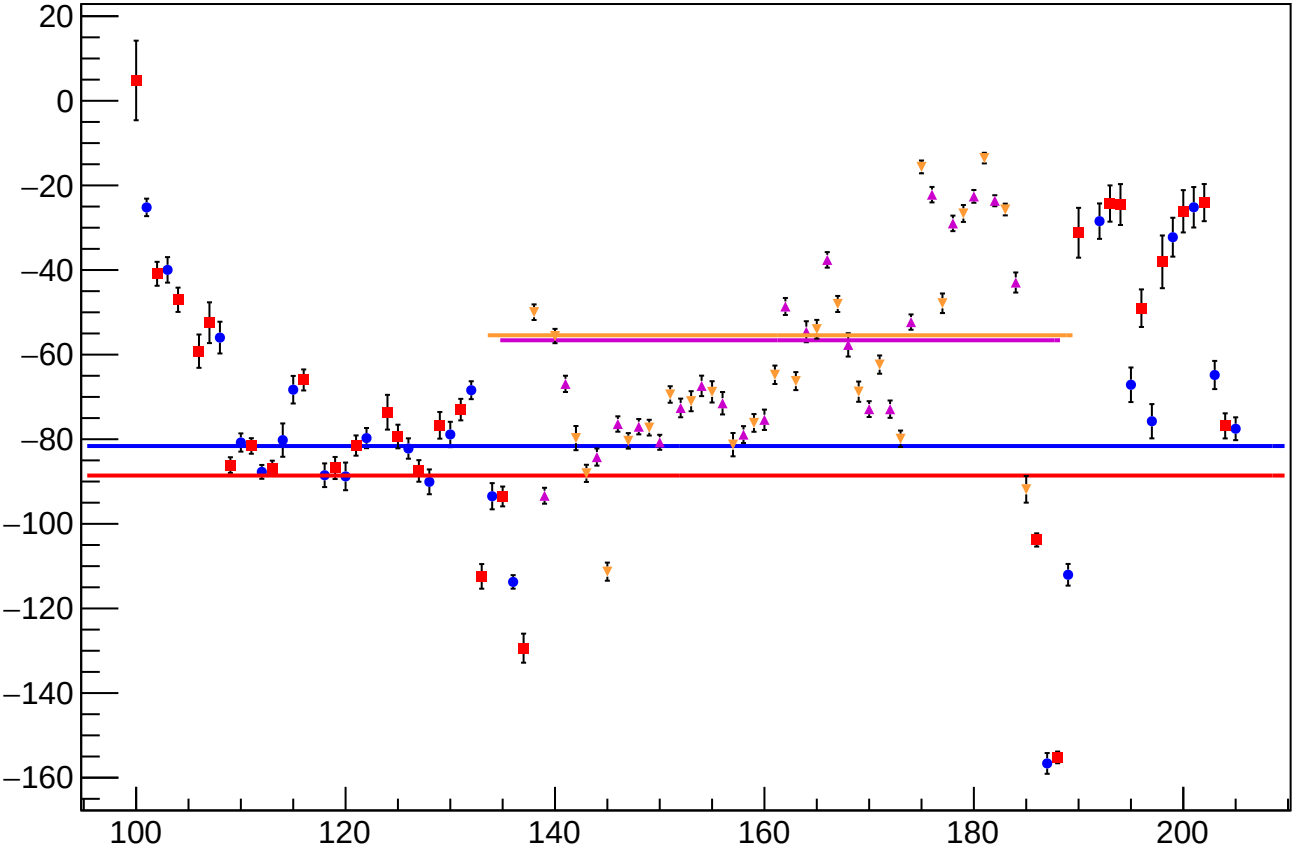
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.151+/-0.013 χ^2/NDF: 189981.0/48

All: -40.235+/-0.009 χ^2/NDF: 396816.1/100

- sign -40.317+/-0.013 χ^2/NDF: 206749.8/51

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.609+/-0.535 χ^2/NDF: 3023.6/24

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -88.583+/-0.495 χ^2/NDF: 4548.3/28

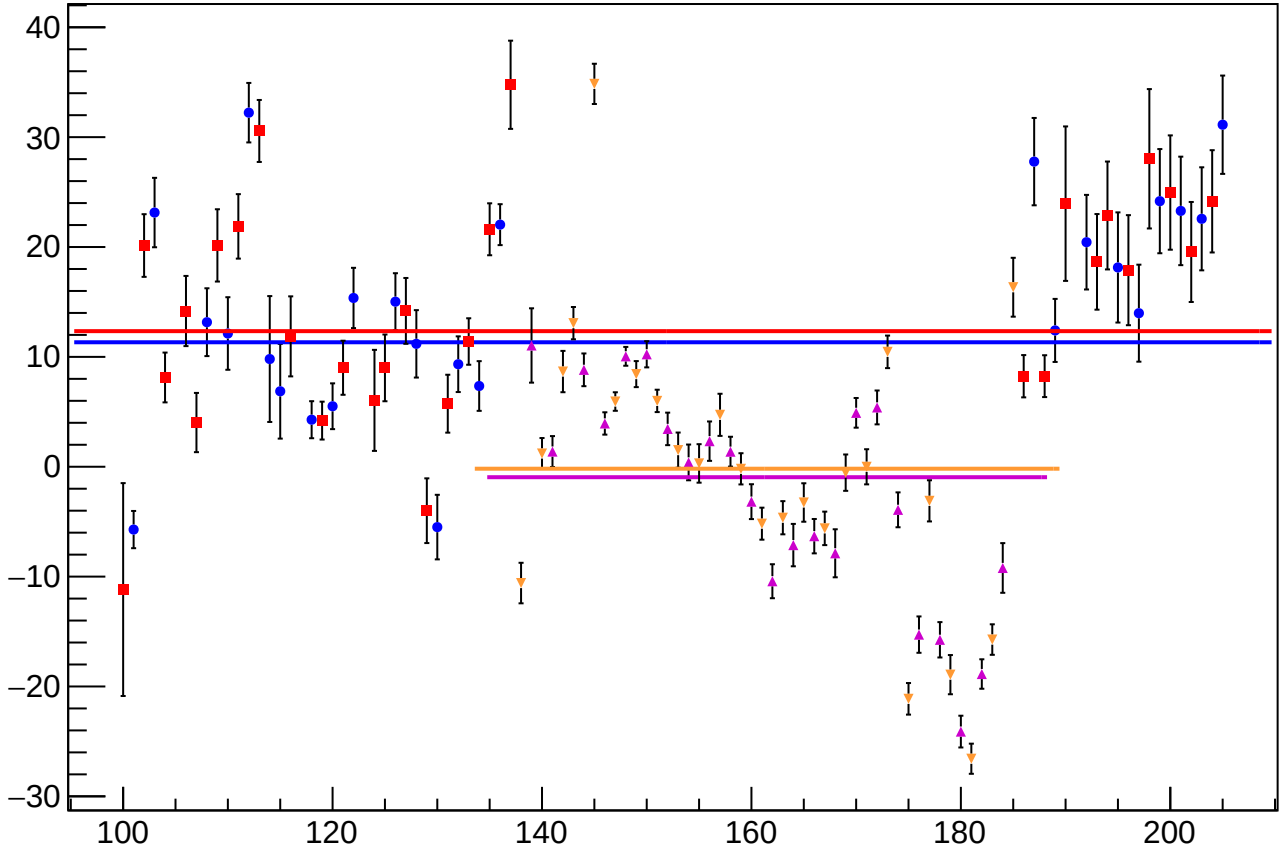
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.608+/-0.317 χ^2/NDF: 9103.7/49

All: -67.027+/-0.223 χ^2/NDF: 19623.1/101

- sign -69.384+/-0.313 χ^2/NDF: 10404.4/51

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 11.330+/-0.568 χ^2/NDF: 337.8/24

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.342+/-0.549 χ^2/NDF: 236.8/28

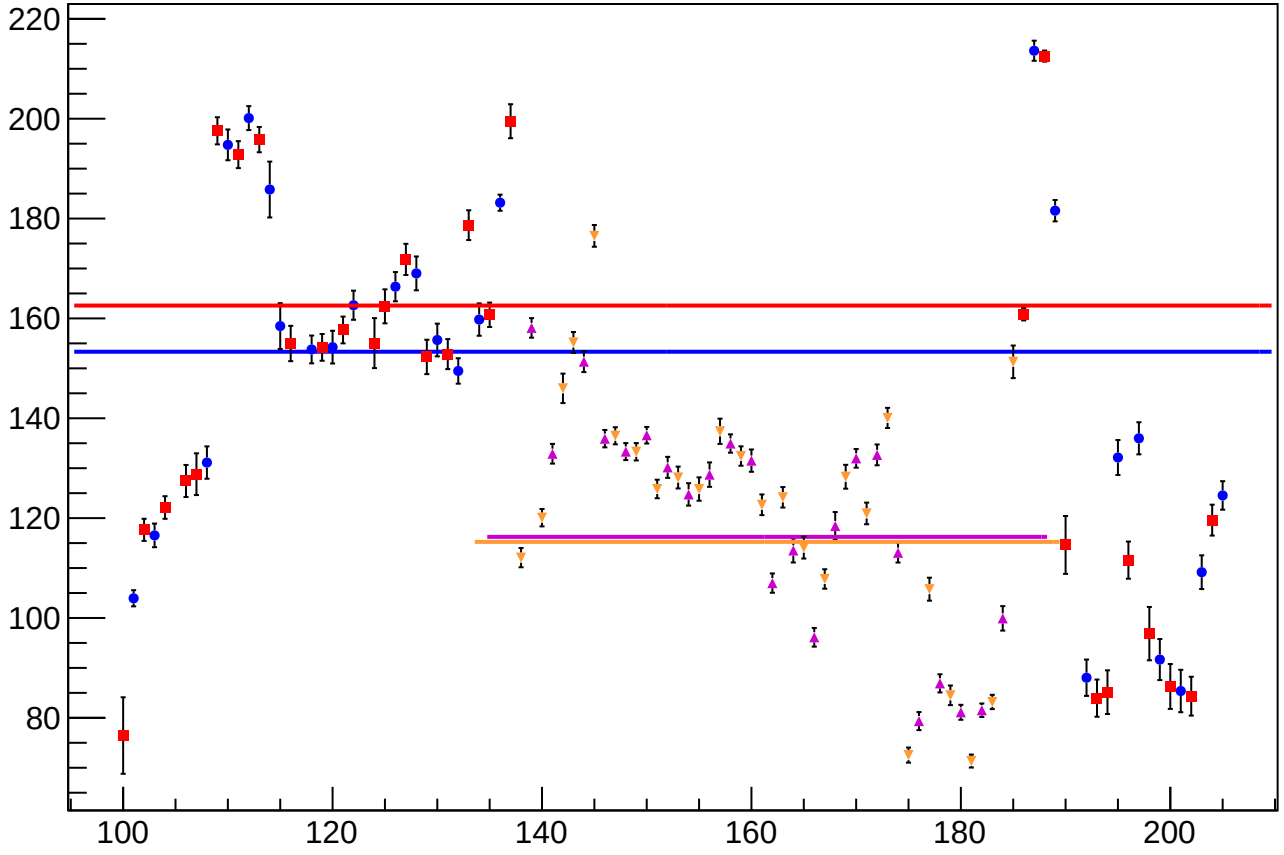
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.256+/-0.261 χ^2/NDF: 2260.3/49

All: 2.215+/-0.186 χ^2/NDF: 4015.9/101

\- sign 2.172+/-0.266 χ^2/NDF: 1755.6/51

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.327+/-0.548 χ^2/NDF: 4426.7/24

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 162.576+/-0.495 χ^2/NDF: 5780.1/28

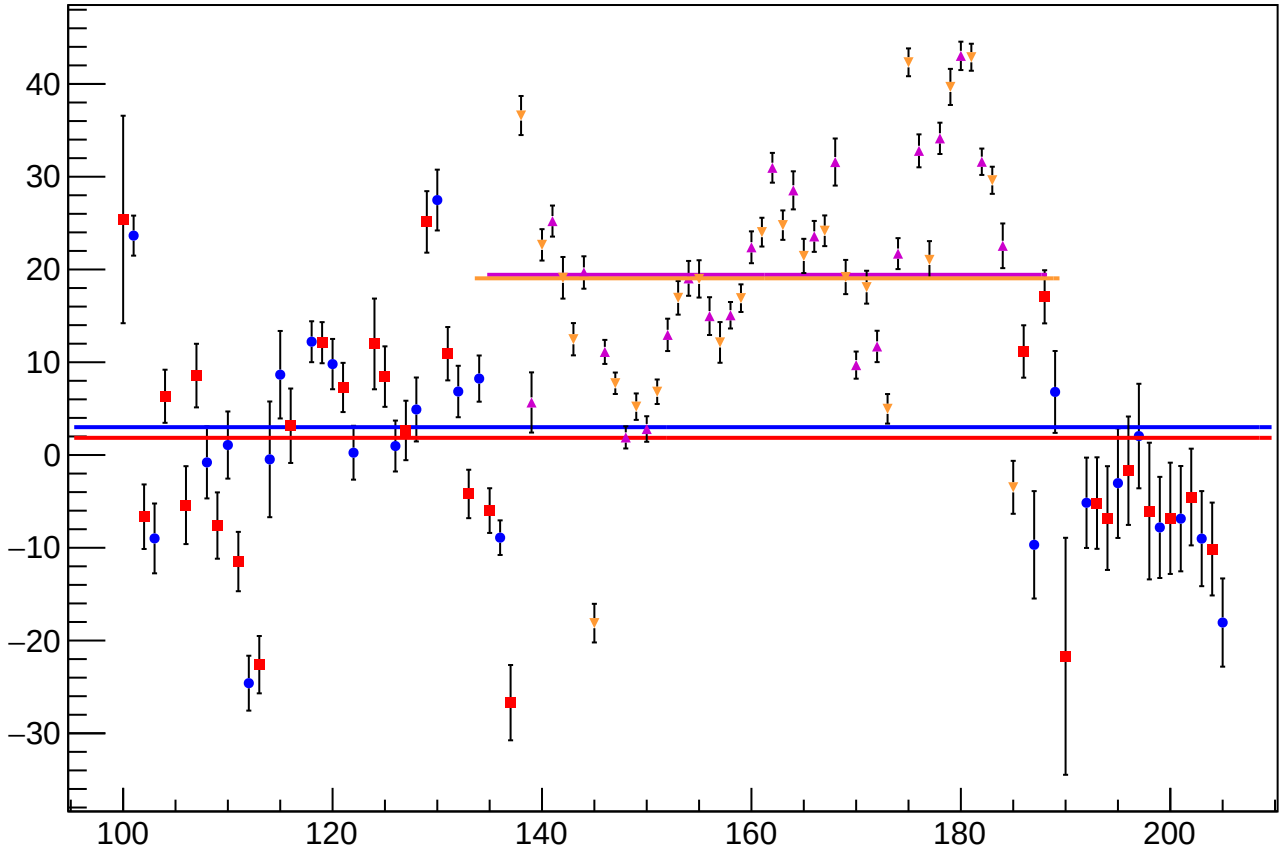
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.055+/-0.318 χ^2/NDF: 12465.6/49

All: 131.353+/-0.222 χ^2/NDF: 27401.8/101

- sign 134.502+/-0.311 χ^2/NDF: 14725.9/51

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.002+/-0.661 χ^2/NDF: 361.5/24

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.852+/-0.653 χ^2/NDF: 323.2/28

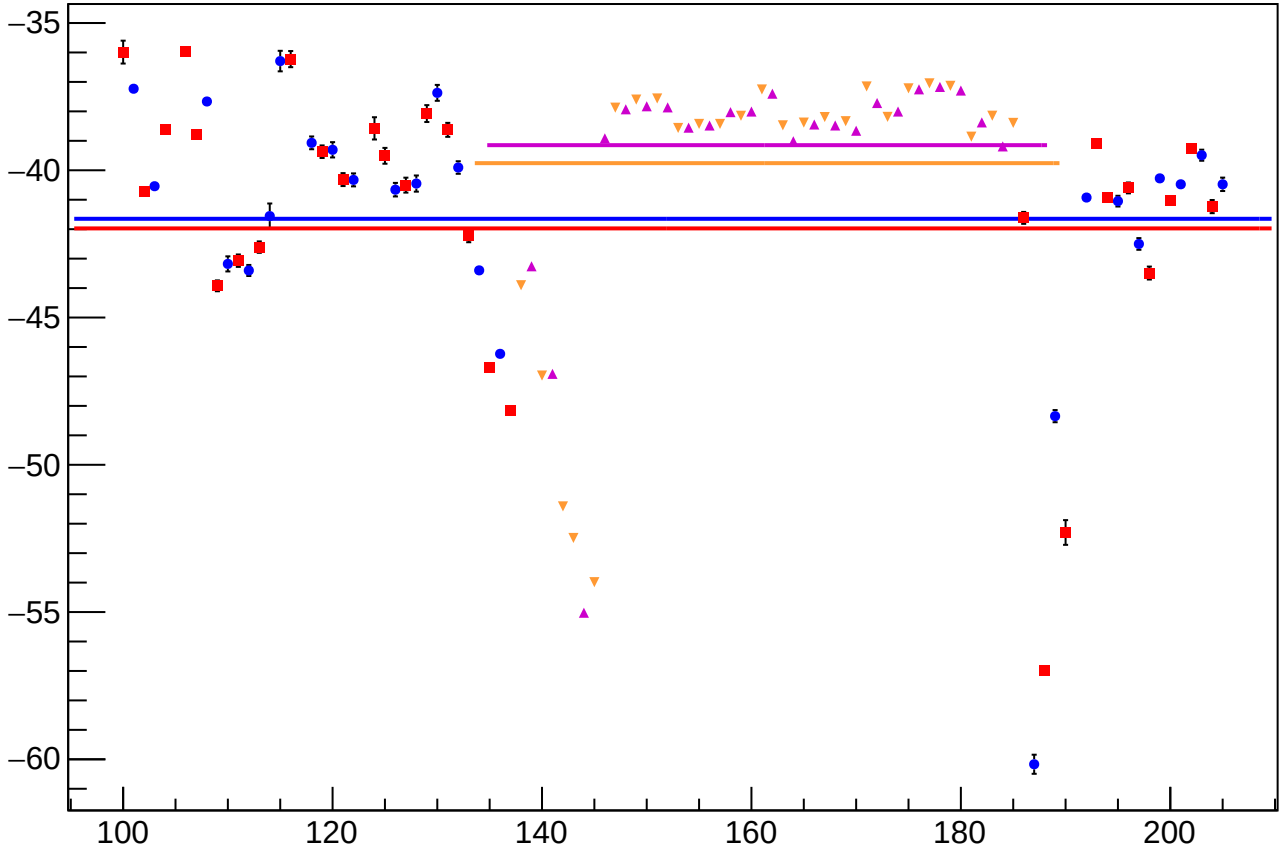
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.746+/-0.300 χ^2/NDF: 2375.9/49

All: 15.662+/-0.214 χ^2/NDF: 4342.5/101

- sign 15.576+/-0.305 χ^2/NDF: 1966.4/51

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.647+/-0.033 χ^2/NDF: 12584.3/24

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.974+/-0.033 χ^2/NDF: 19459.4/28

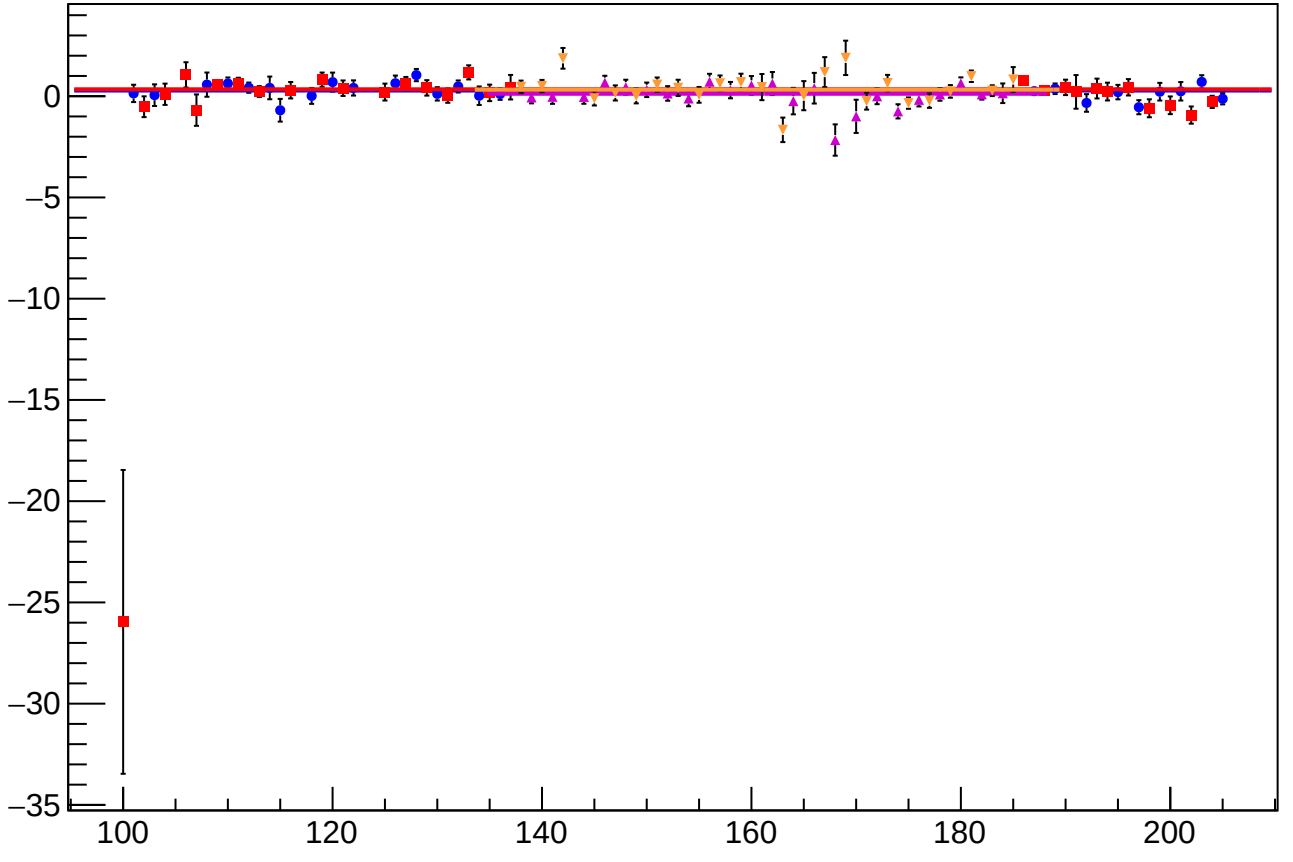
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.106+/-0.014 χ^2/NDF: 97204.8/49

All: -39.893+/-0.010 χ^2/NDF: 170171.3/101

- sign -39.676+/-0.014 χ^2/NDF: 72495.2/51

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.281+/-0.070 χ^2/NDF: 26.8/24

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.341+/-0.061 χ^2/NDF: 57.9/28

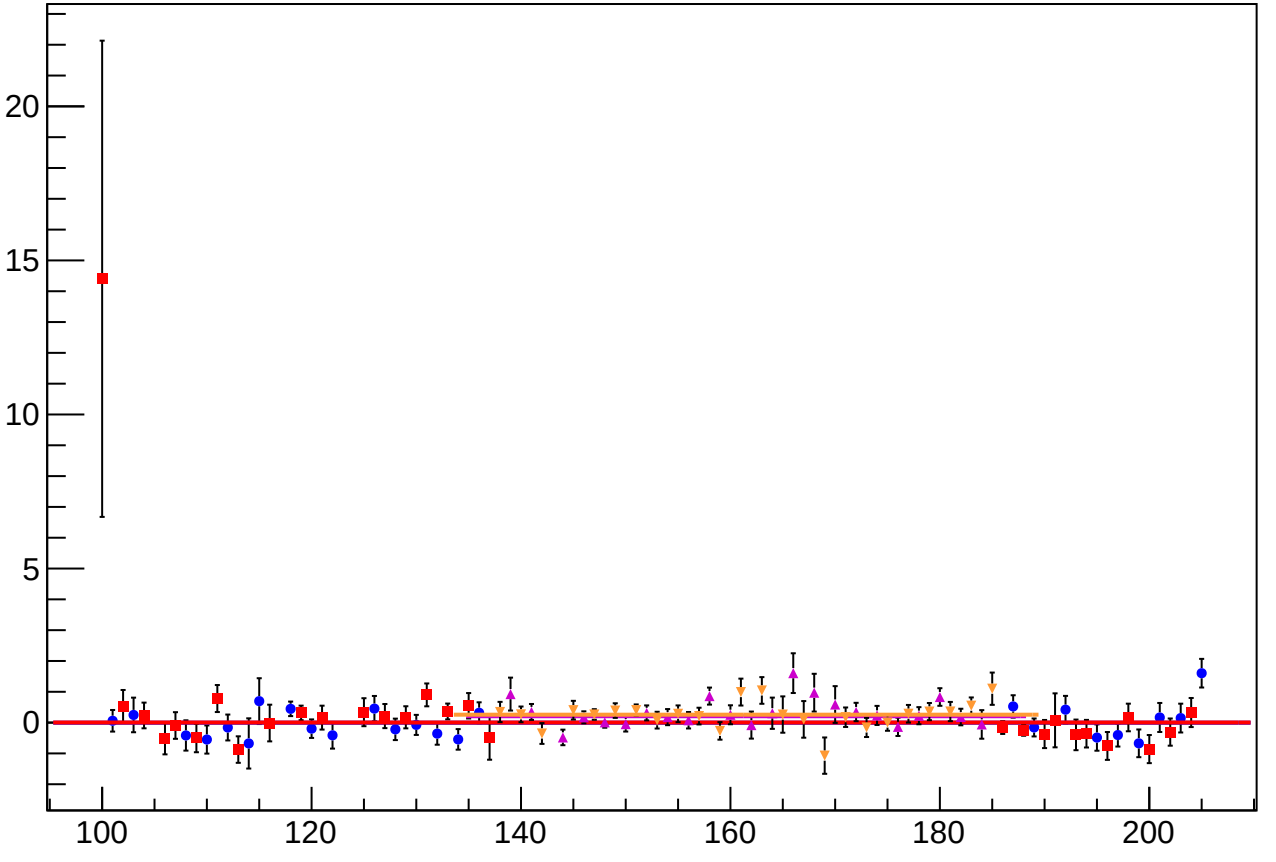
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.299+/-0.052 χ^2/NDF: 73.9/48

All: 0.278+/-0.035 χ^2/NDF: 166.9/100

- sign 0.259+/-0.048 χ^2/NDF: 92.8/51

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.004+/-0.077 χ^2/NDF: 35.3/24

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.003+/-0.070 χ^2/NDF: 39.1/28

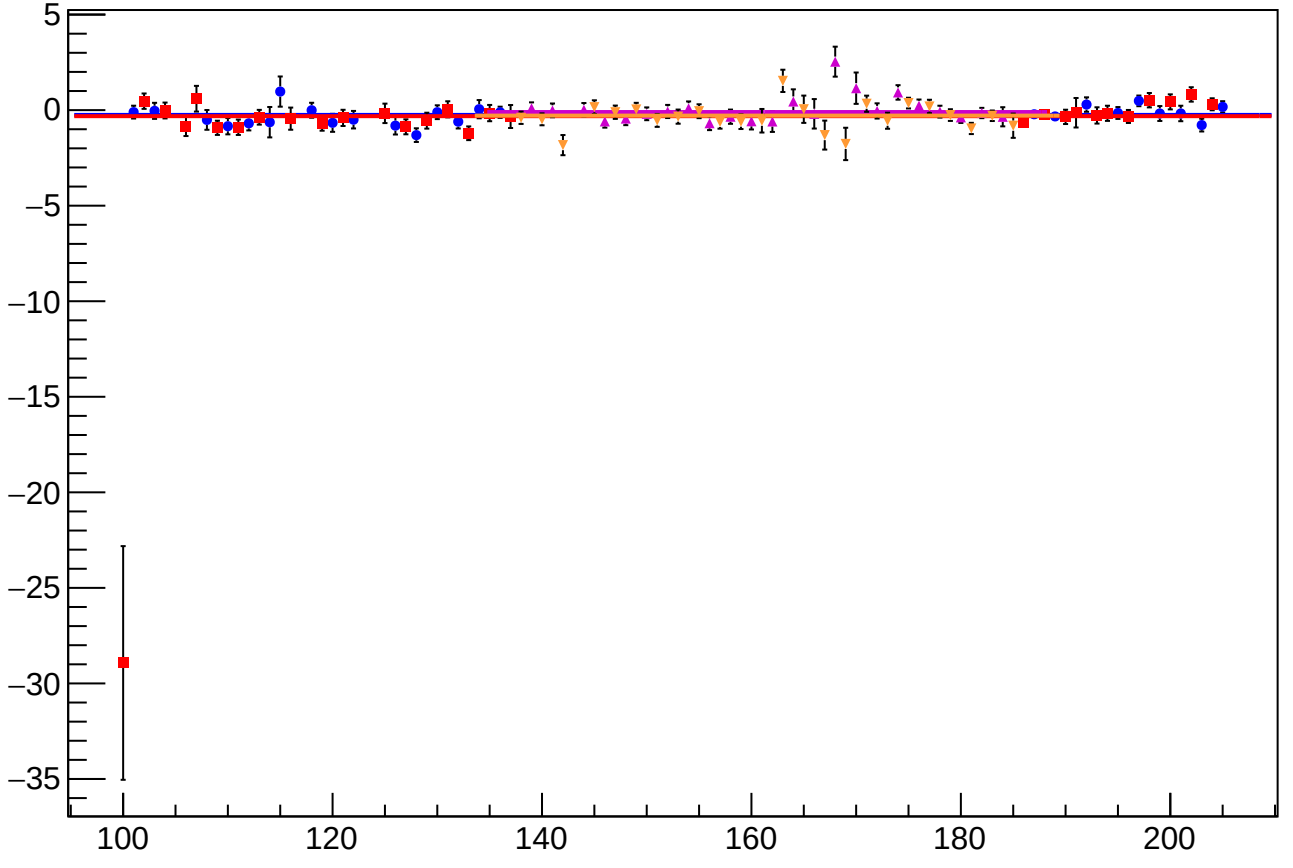
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.160+/-0.047 χ^2/NDF: 69.0/48

All: 0.140+/-0.033 χ^2/NDF: 145.2/100

- sign 0.120+/-0.046 χ^2/NDF: 75.8/51

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.250+/-0.069 χ^2/NDF: 33.9/24

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.317+/-0.058 χ^2/NDF: 72.6/28

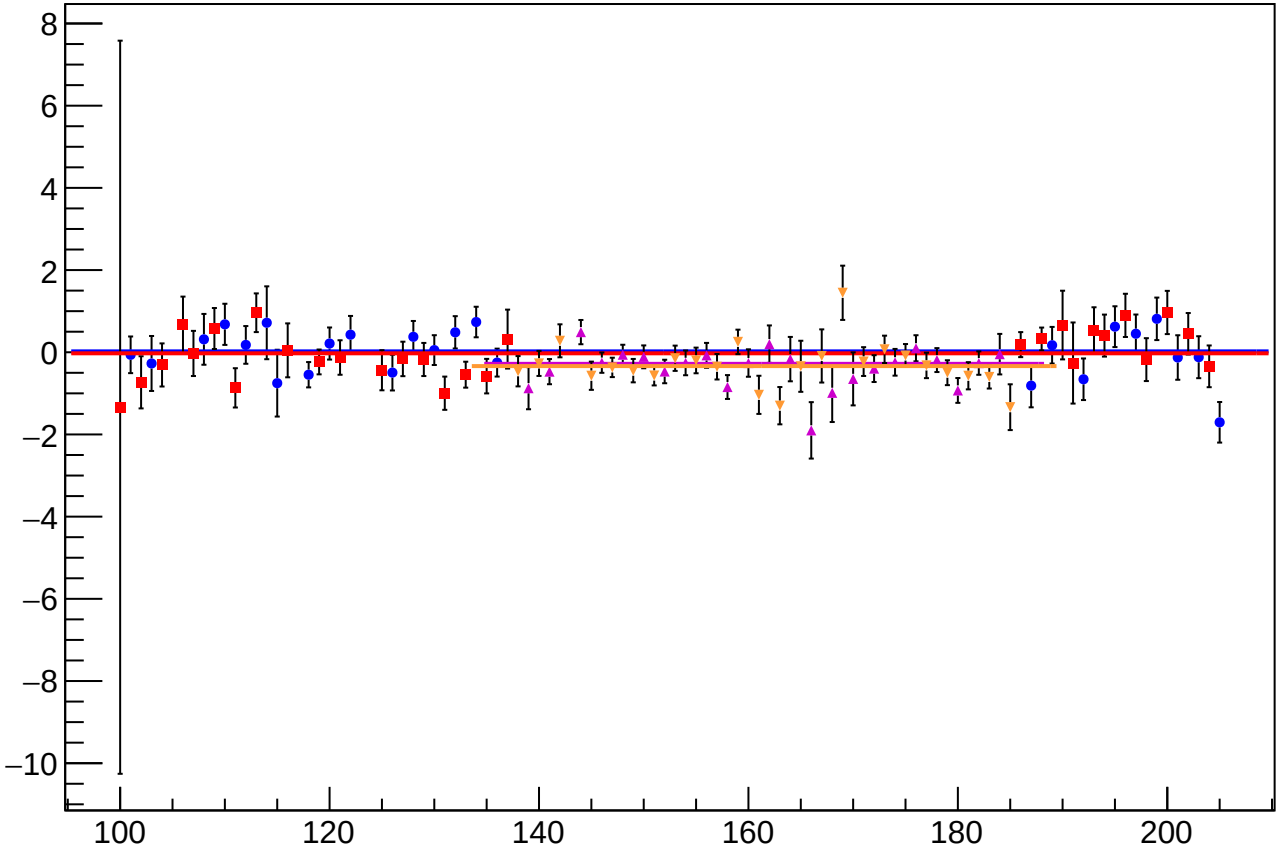
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.266+/-0.052 χ^2/NDF: 79.1/48

All: -0.252+/-0.035 χ^2/NDF: 190.0/100

- sign -0.240+/-0.047 χ^2/NDF: 110.8/51

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.021+/-0.091 χ^2/NDF: 37.7/24

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.026+/-0.086 χ^2/NDF: 36.0/28

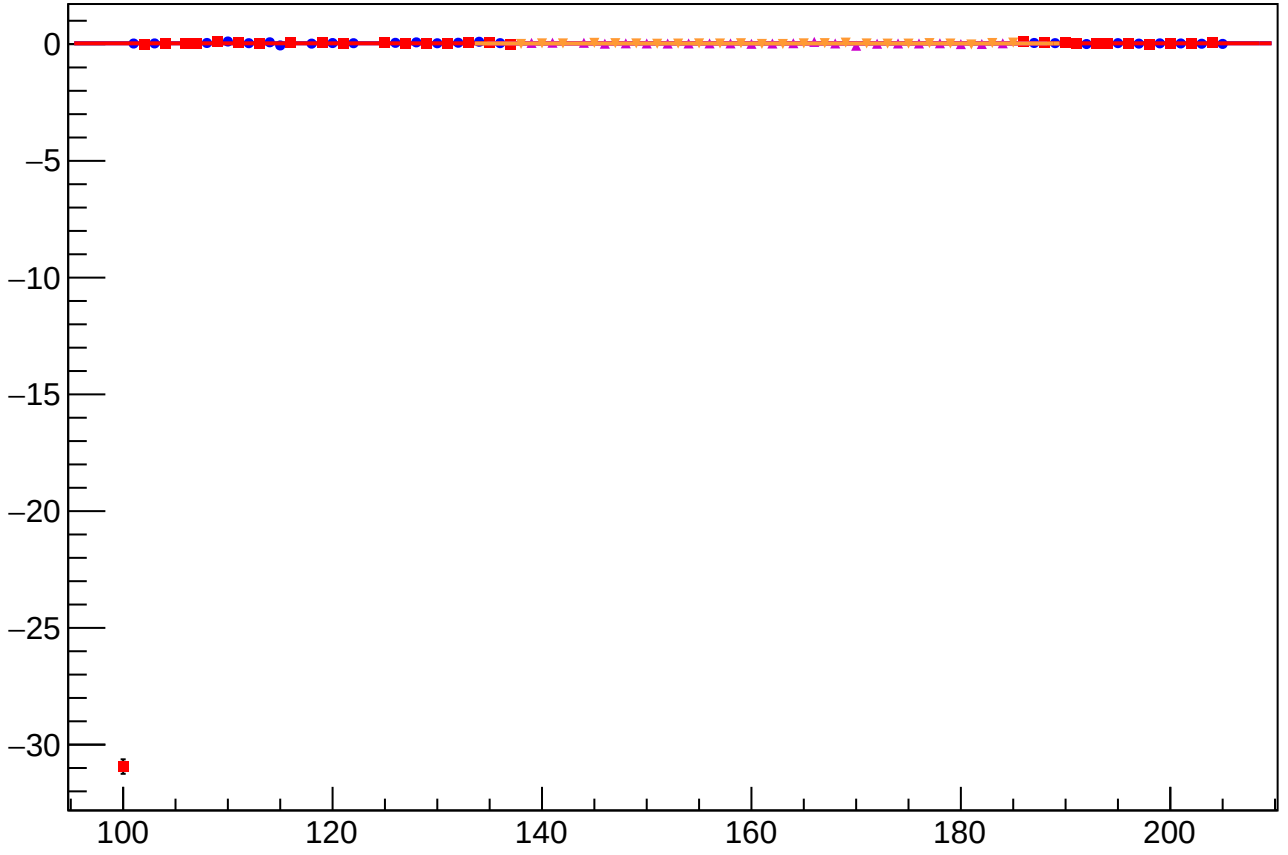
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.208+/-0.054 χ^2/NDF: 77.8/48

All: -0.195+/-0.038 χ^2/NDF: 148.3/100

- sign -0.182+/-0.054 χ^2/NDF: 70.4/51

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.037+/-0.004 χ^2/NDF: 31.6/24

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.033+/-0.004 χ^2/NDF: 10049.8/28

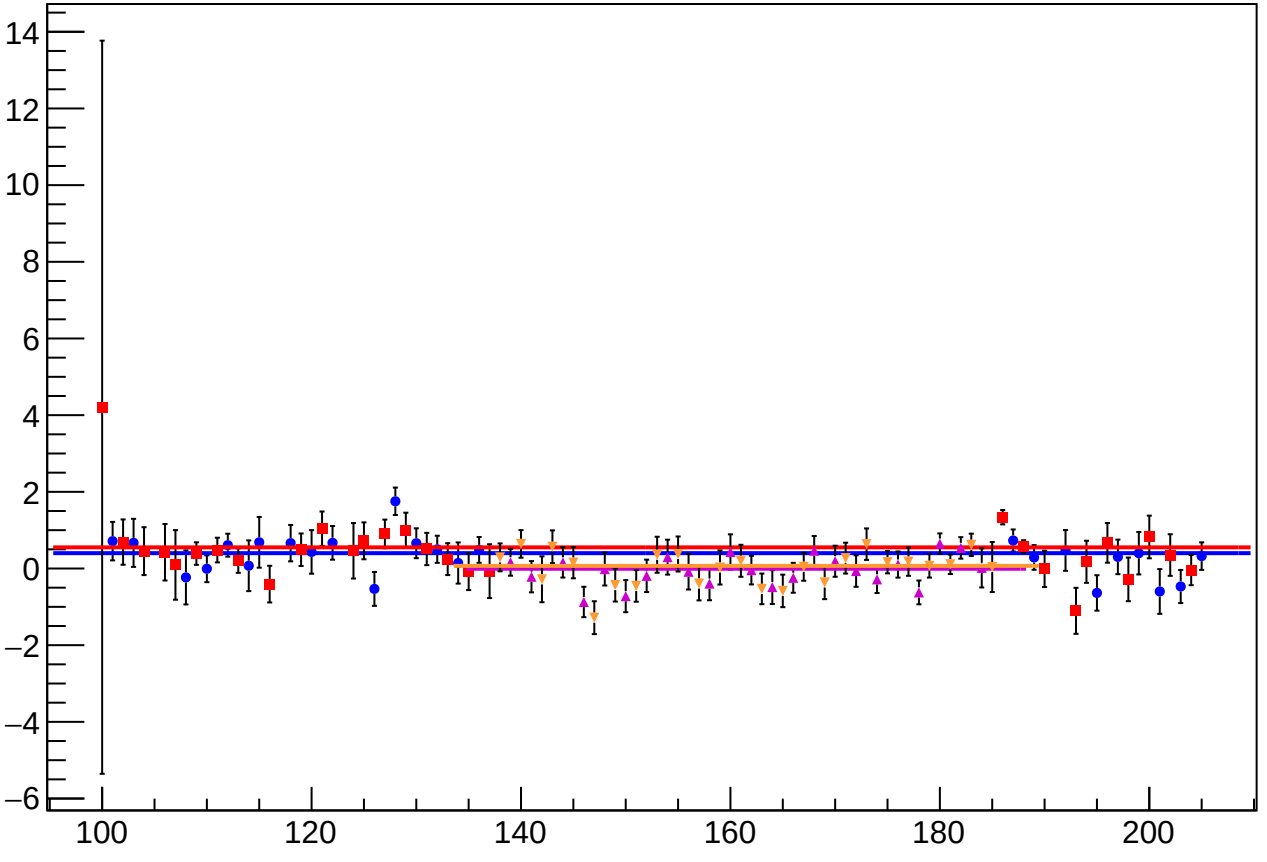
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.002 χ^2/NDF: 61.8/48

All: 0.031+/-0.002 χ^2/NDF: 10151.0/100

- sign 0.031+/-0.002 χ^2/NDF: 10089.2/51

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.400+/-0.085 χ^2/NDF: 37.5/24

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.551+/-0.073 χ^2/NDF: 44.4/28

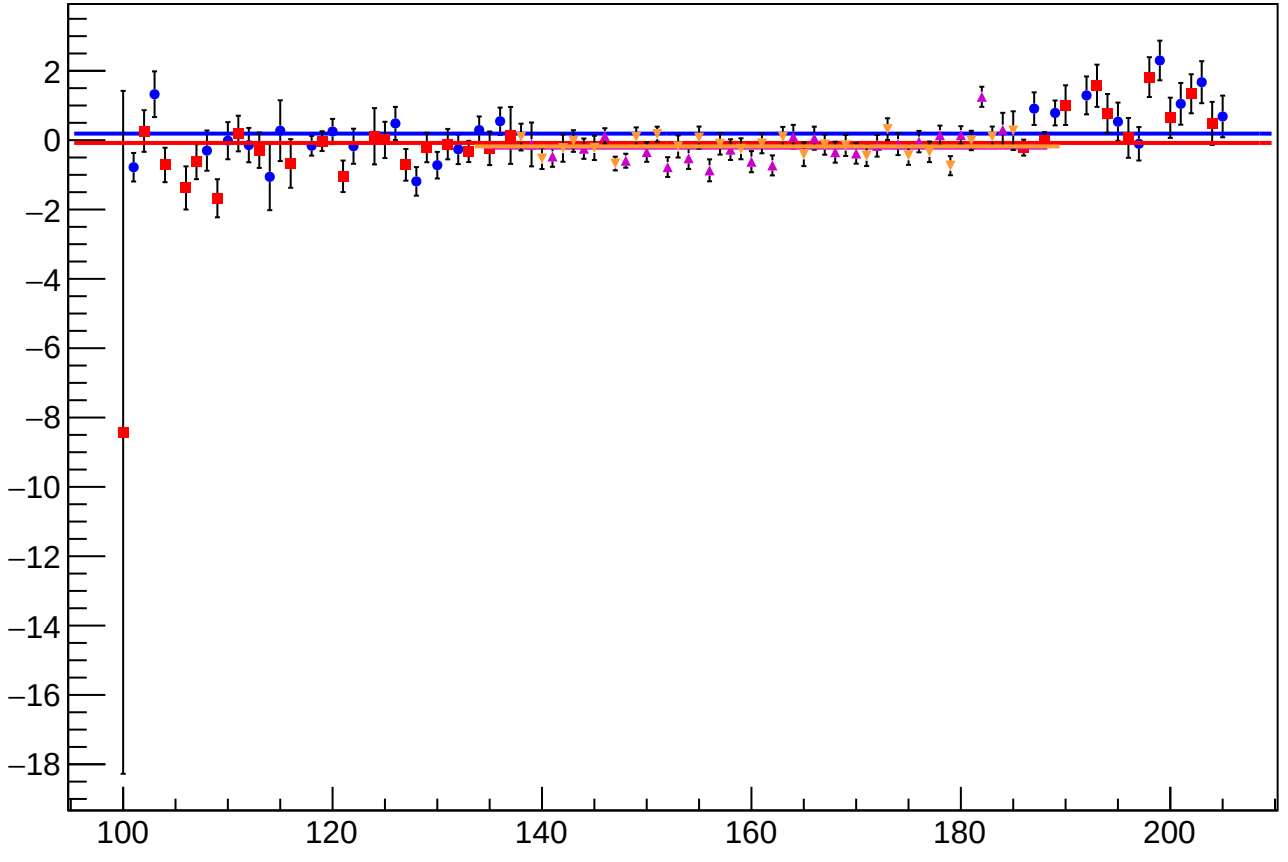
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.219+/-0.057 χ^2/NDF: 77.0/49

All: 0.260+/-0.039 χ^2/NDF: 177.5/101

- sign 0.296+/-0.054 χ^2/NDF: 99.6/51

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.189+/-0.093 χ^2/NDF: 65.0/24

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.080+/-0.084 χ^2/NDF: 58.7/28

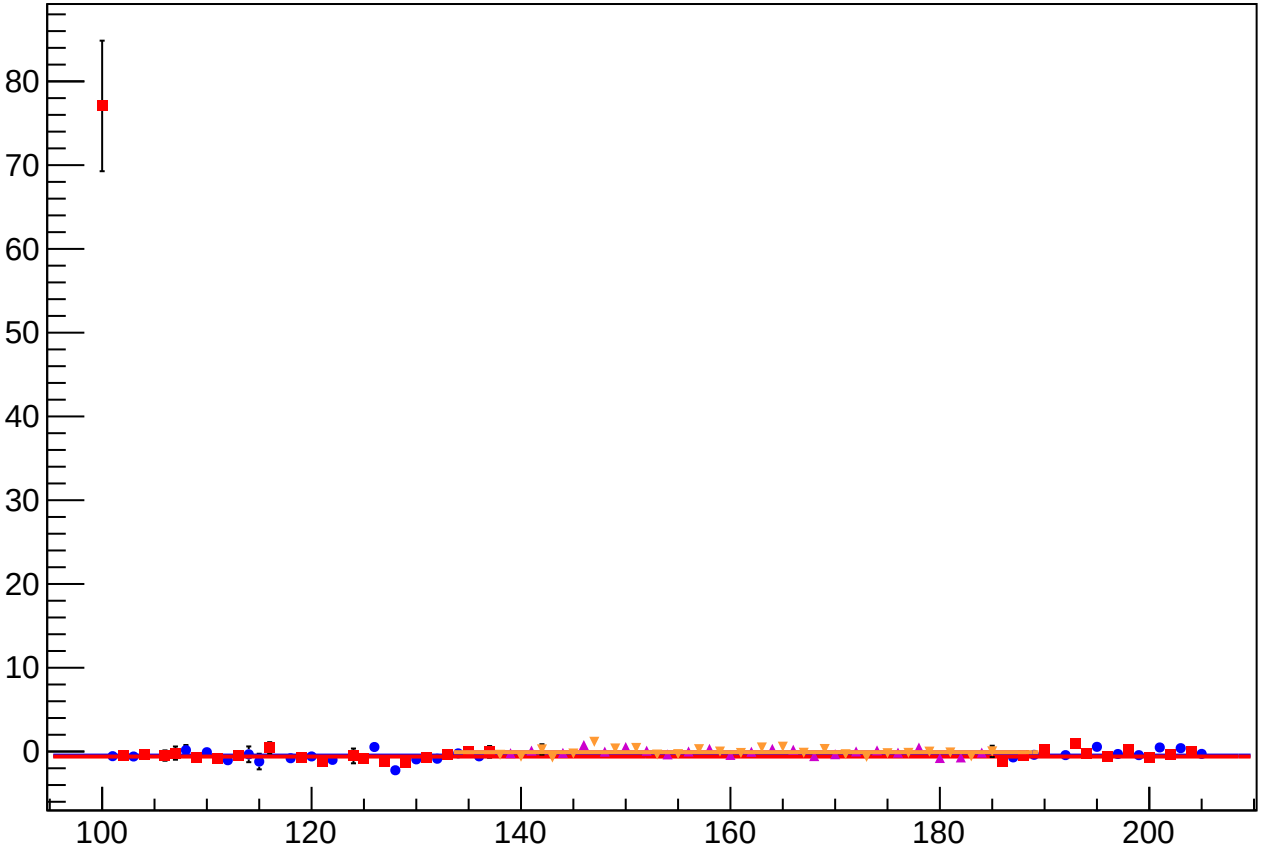
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.074+/-0.050 χ^2/NDF: 100.9/49

All: -0.121+/-0.035 χ^2/NDF: 216.7/101

- sign -0.168+/-0.050 χ^2/NDF: 114.0/51

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.485+/-0.085 χ^2/NDF: 44.3/24

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.601+/-0.070 χ^2/NDF: 142.7/28

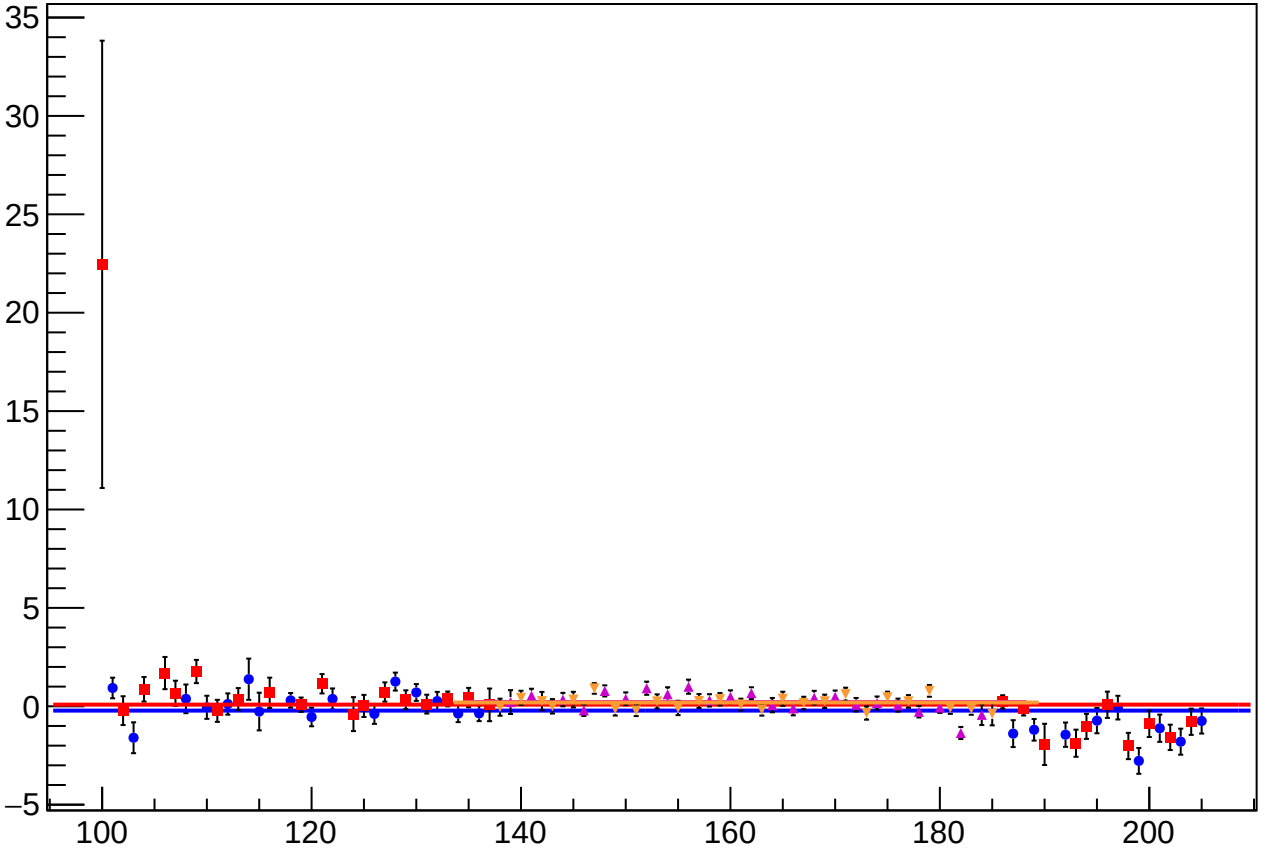
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.260+/-0.057 χ^2/NDF: 87.0/49

All: -0.320+/-0.038 χ^2/NDF: 285.1/101

- sign -0.371+/-0.052 χ^2/NDF: 196.1/51

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.219+/-0.109 χ^2/NDF: 65.4/24

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.084+/-0.103 χ^2/NDF: 63.4/28

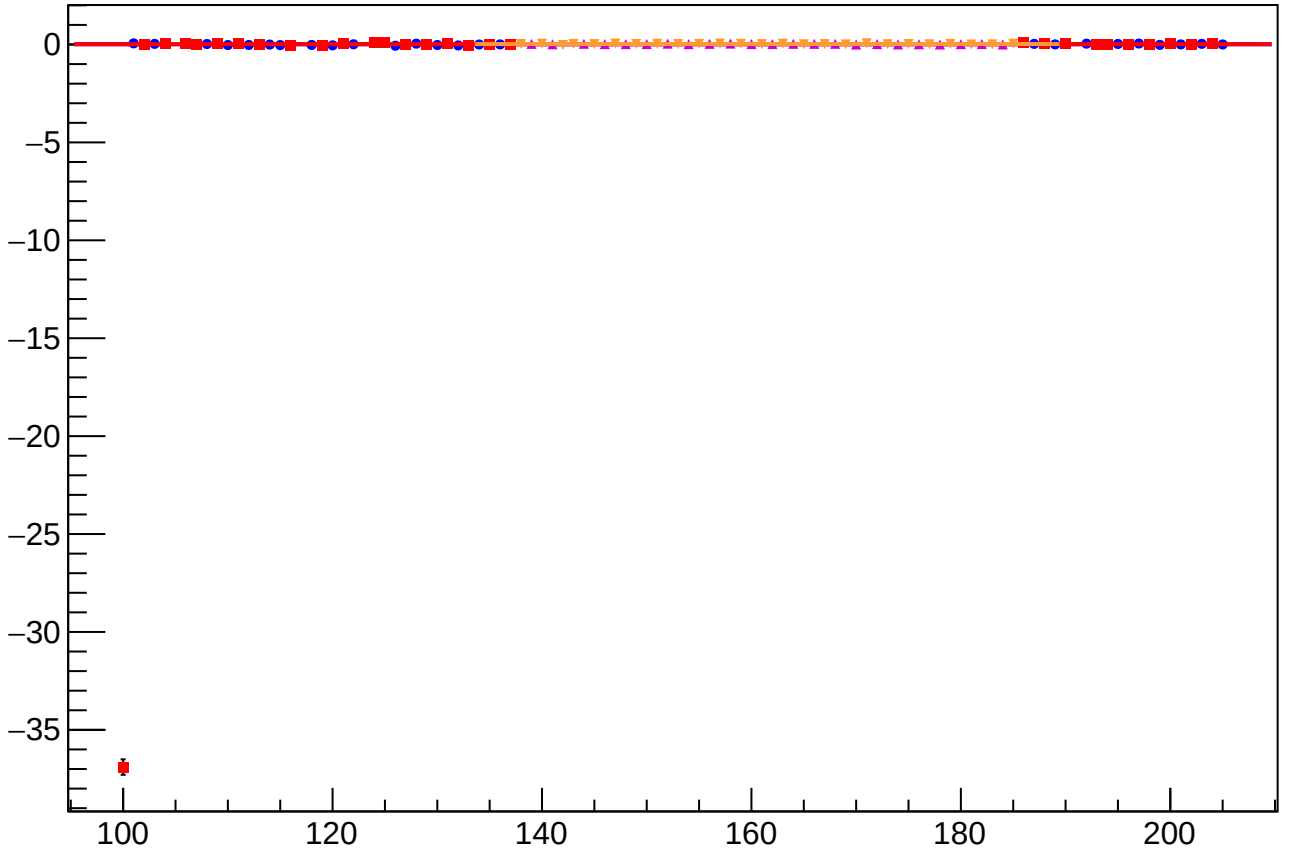
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.081+/-0.057 χ^2/NDF: 101.6/49

All: 0.127+/-0.040 χ^2/NDF: 222.5/101

- sign 0.174+/-0.057 χ^2/NDF: 119.6/51

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.005 χ^2/NDF: 28.7/24

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.017+/-0.005 χ^2/NDF: 8777.9/28

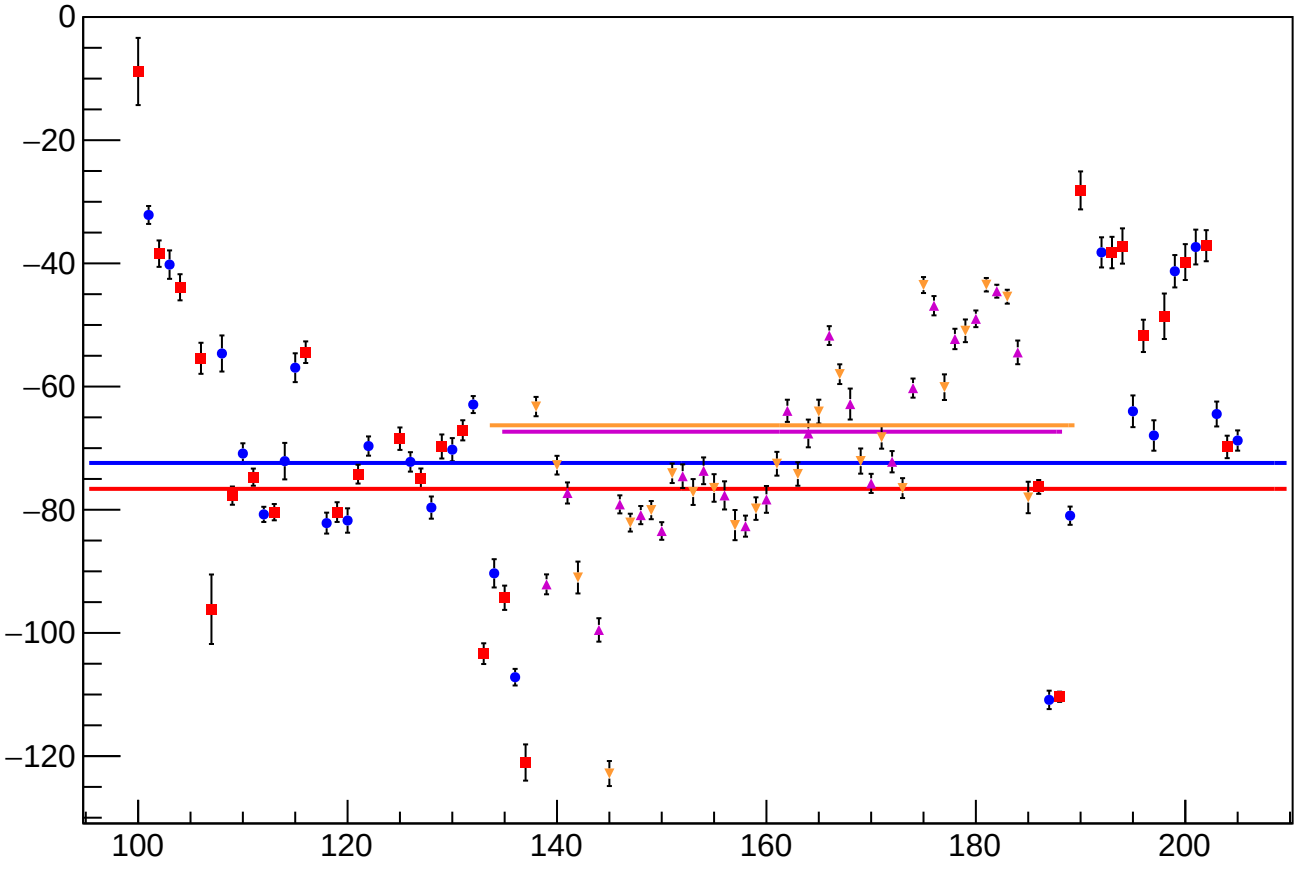
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 62.2/49

All: 0.022+/-0.002 χ^2/NDF: 8859.8/101

- sign 0.022+/-0.003 χ^2/NDF: 8797.6/51

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.402+/-0.362 χ^2/NDF: 3155.3/24

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.608+/-0.337 χ^2/NDF: 4490.7/27

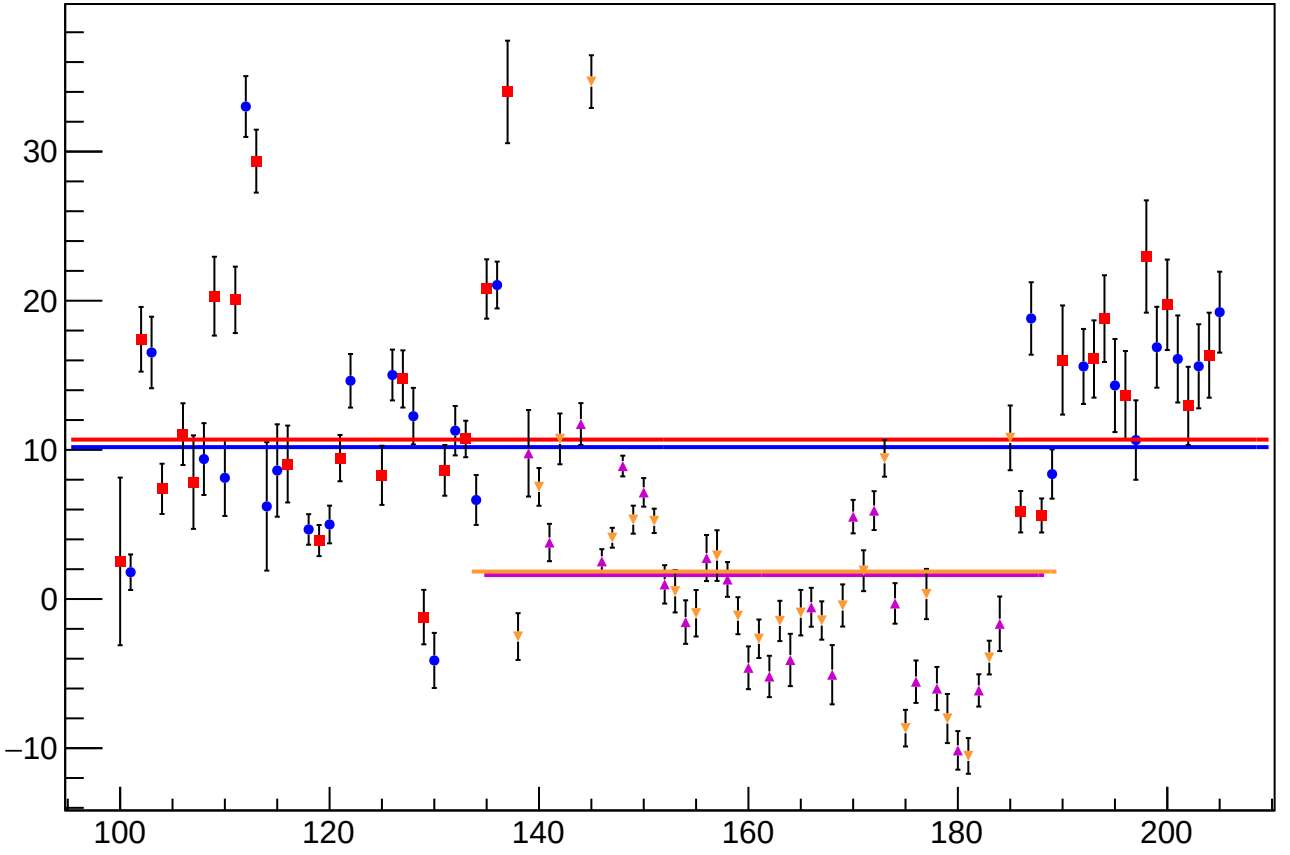
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.188+/-0.249 χ^2/NDF: 5855.6/48

All: -70.685+/-0.173 χ^2/NDF: 12889.1/99

- sign -72.085+/-0.241 χ^2/NDF: 6963.6/50

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.184+/-0.378 χ^2/NDF: 403.1/24

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.690+/-0.369 χ^2/NDF: 361.9/27

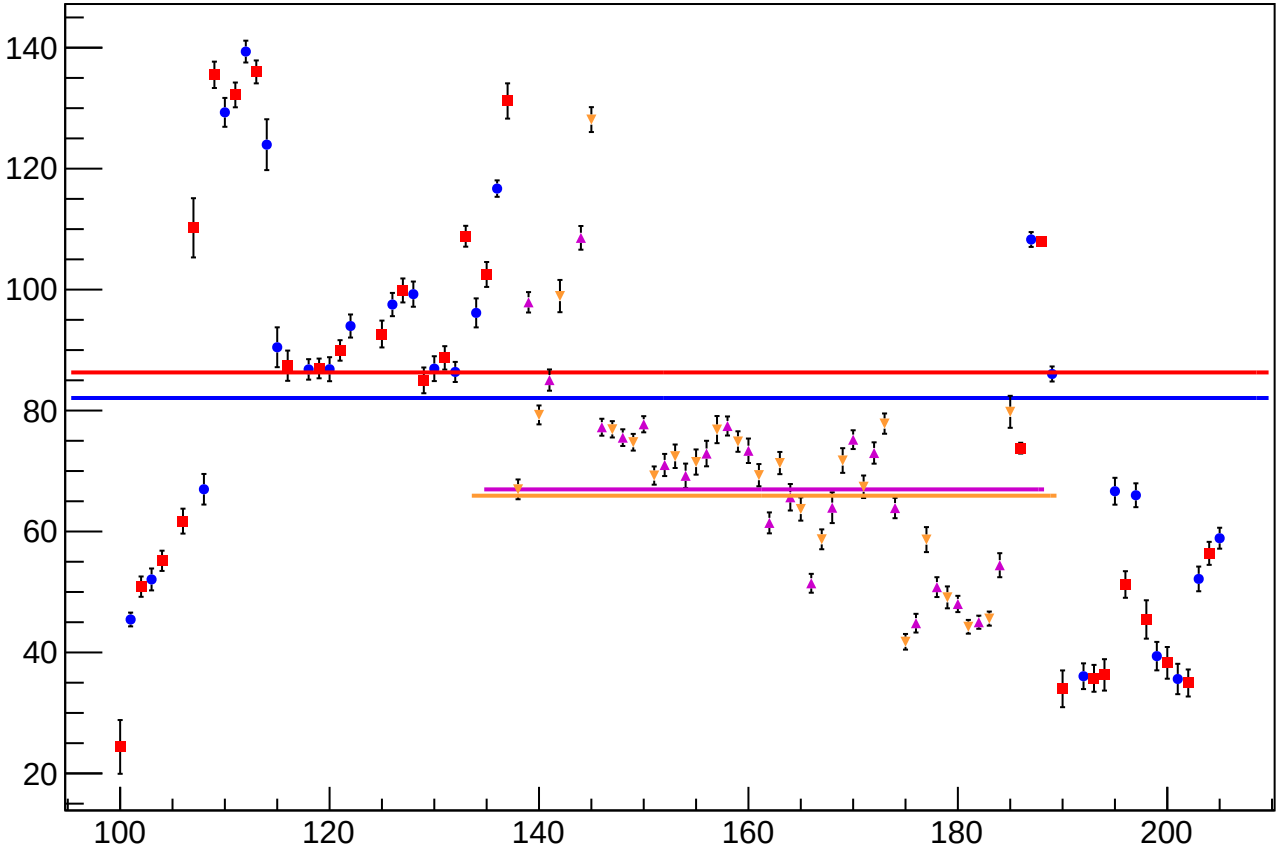
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.440+/-0.211 χ^2/NDF: 1519.4/48

All: 4.518+/-0.149 χ^2/NDF: 2785.2/99

- sign 4.597+/-0.212 χ^2/NDF: 1265.6/50

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 82.076+/-0.366 χ^2/NDF: 5841.1/24

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 86.303+/-0.330 χ^2/NDF: 7351.6/27

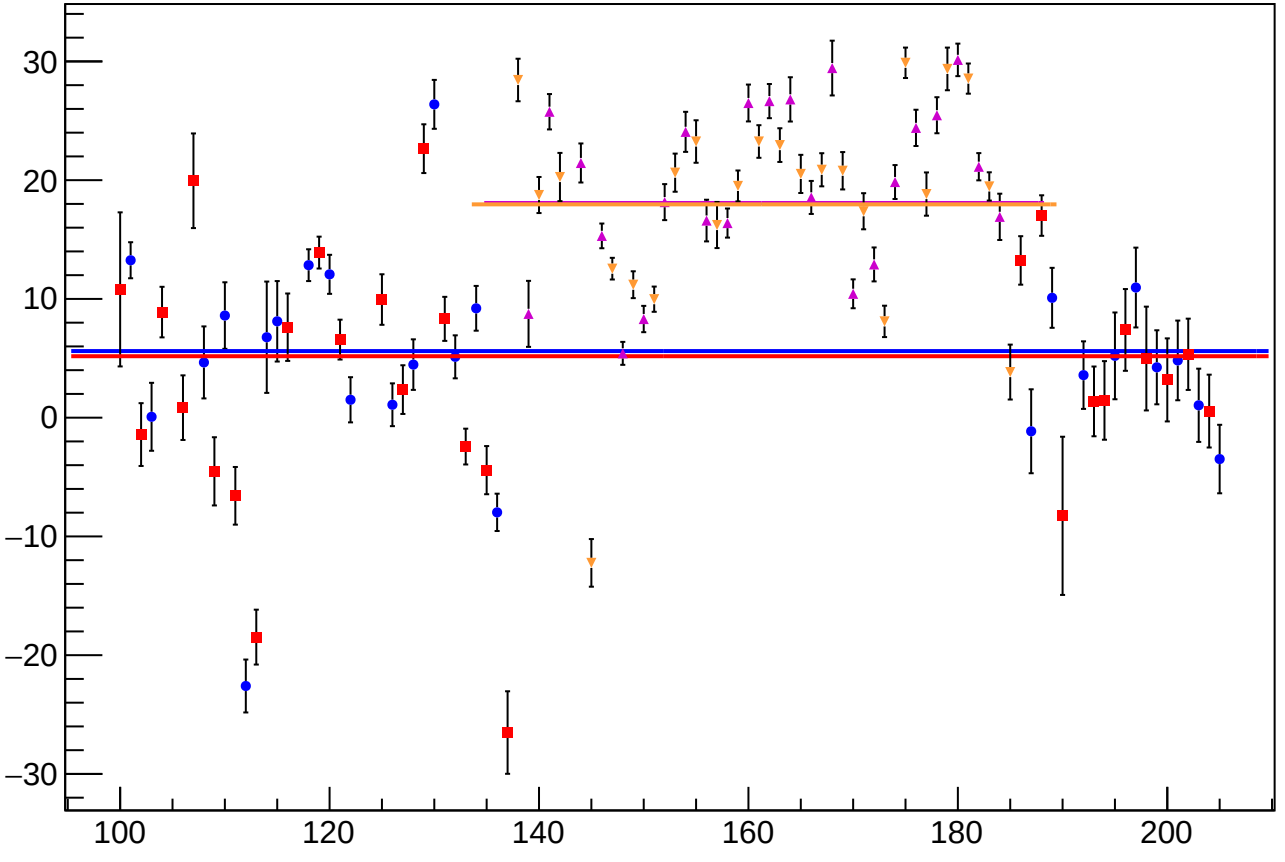
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 73.413+/-0.249 χ^2/NDF: 9440.2/48

All: 75.272+/-0.172 χ^2/NDF: 20778.5/99

- sign 76.955+/-0.237 χ^2/NDF: 11232.4/50

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.609+/-0.446 χ^2/NDF: 449.5/24

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.175+/-0.443 χ^2/NDF: 496.7/27

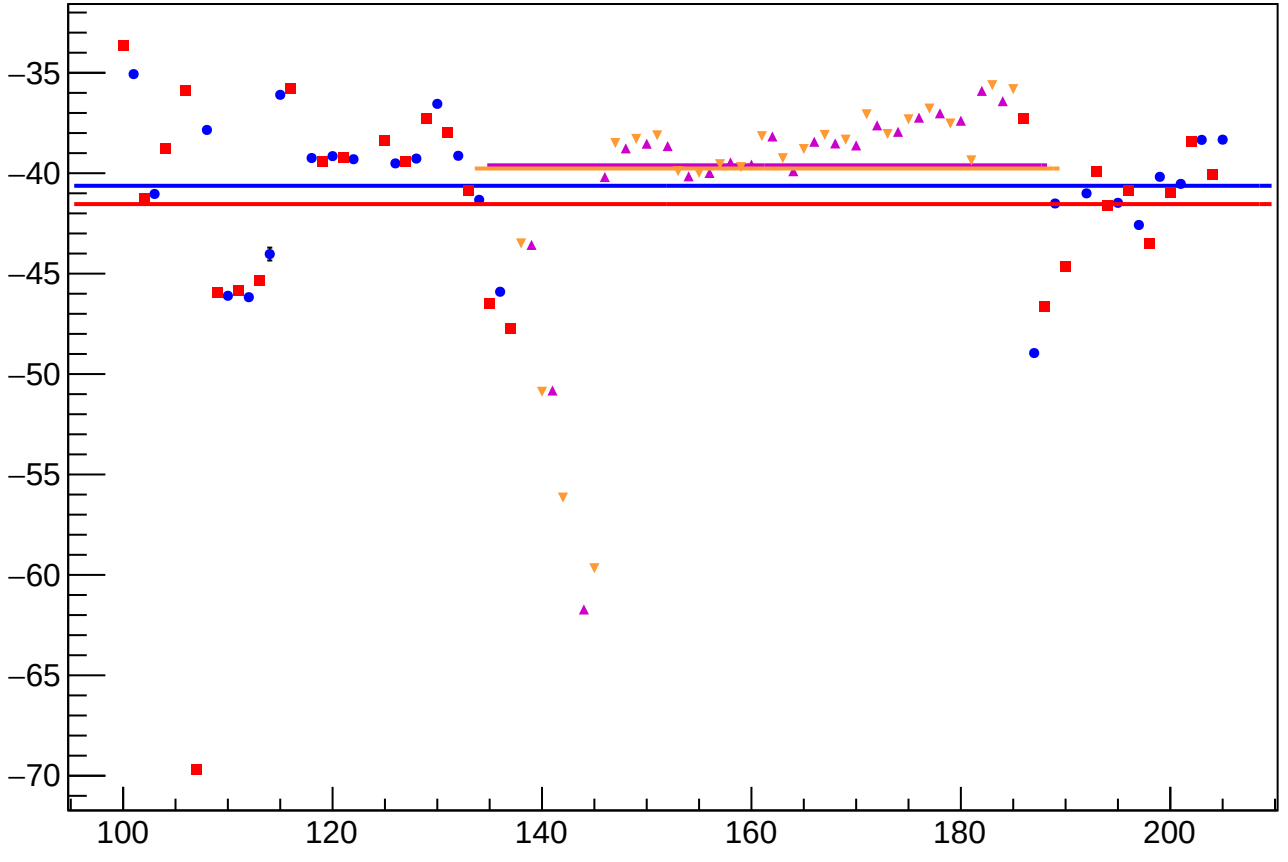
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.257+/-0.244 χ^2/NDF: 1718.8/48

All: 14.187+/-0.173 χ^2/NDF: 3409.0/99

- sign 14.116+/-0.245 χ^2/NDF: 1690.1/50

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.626+/-0.022 χ^2/NDF: 21080.7/24

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.537+/-0.022 χ^2/NDF: 43270.0/27

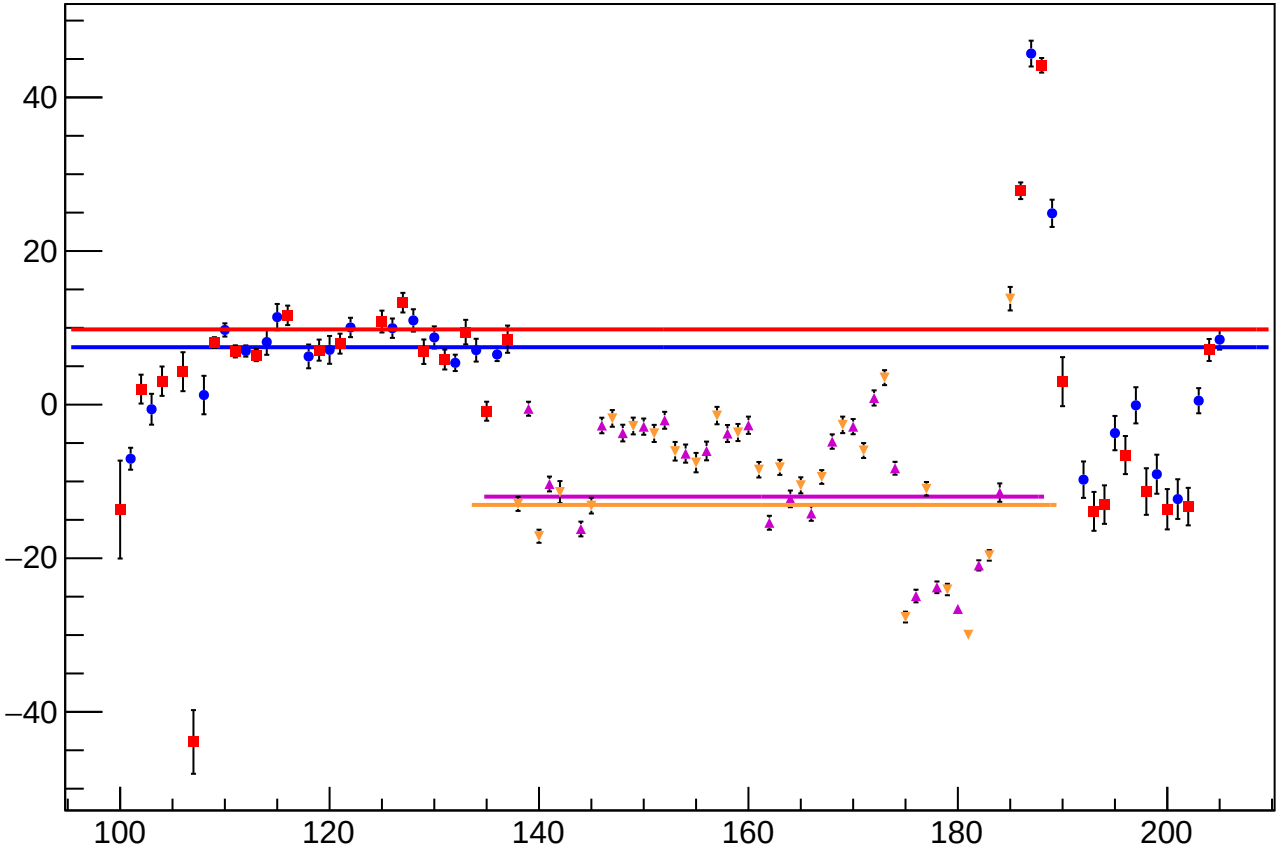
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.994+/-0.012 χ^2/NDF: 152062.2/48

All: -40.058+/-0.008 χ^2/NDF: 307583.3/99

- sign -40.120+/-0.011 χ^2/NDF: 155460.9/50

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.475+/-0.278 χ^2/NDF: 979.7/24

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.796+/-0.261 χ^2/NDF: 2379.0/27

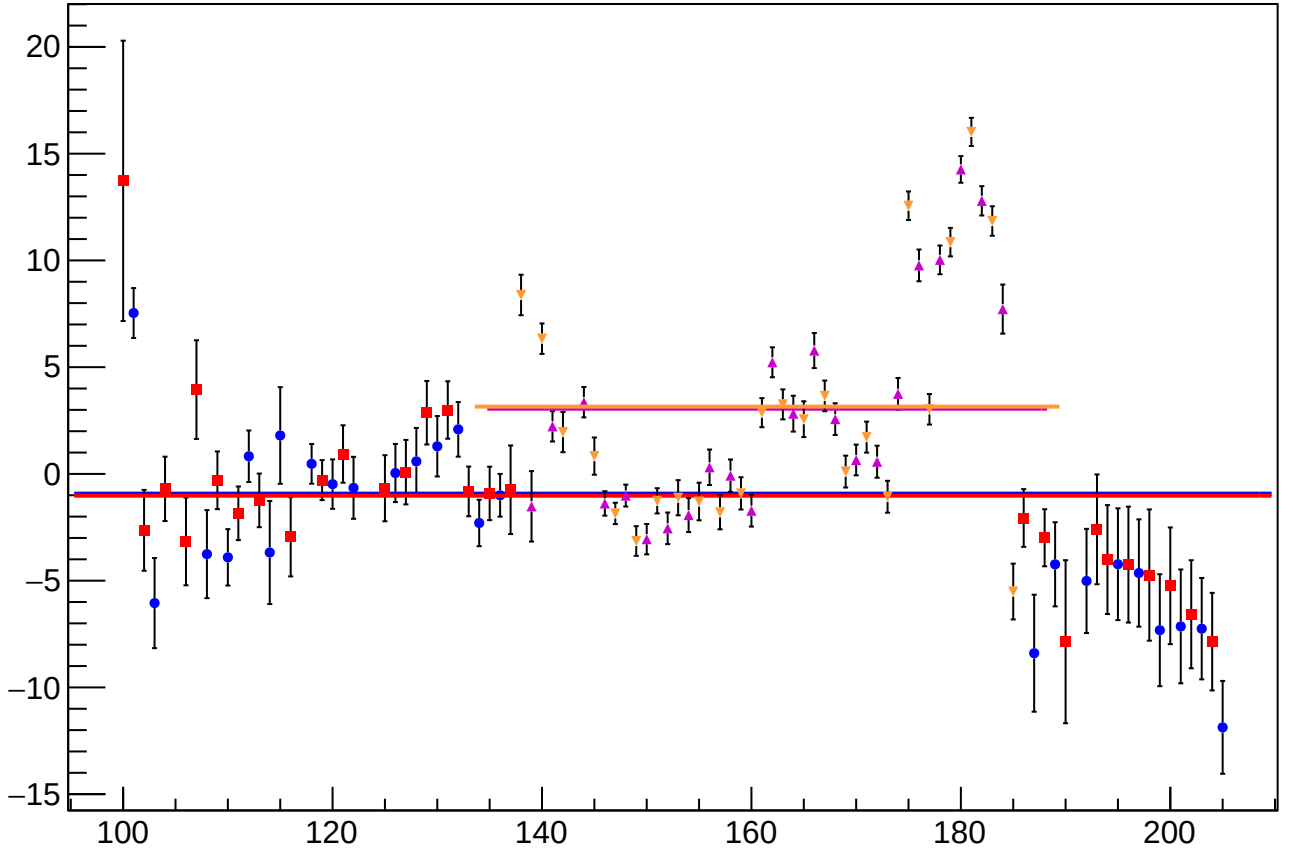
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.383+/-0.158 χ^2/NDF: 7533.3/48

All: -5.253+/-0.111 χ^2/NDF: 16649.4/99

- sign -4.151+/-0.156 χ^2/NDF: 9015.5/50

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.924+/-0.307 χ^2/NDF: 144.3/24

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.020+/-0.307 χ^2/NDF: 59.2/27

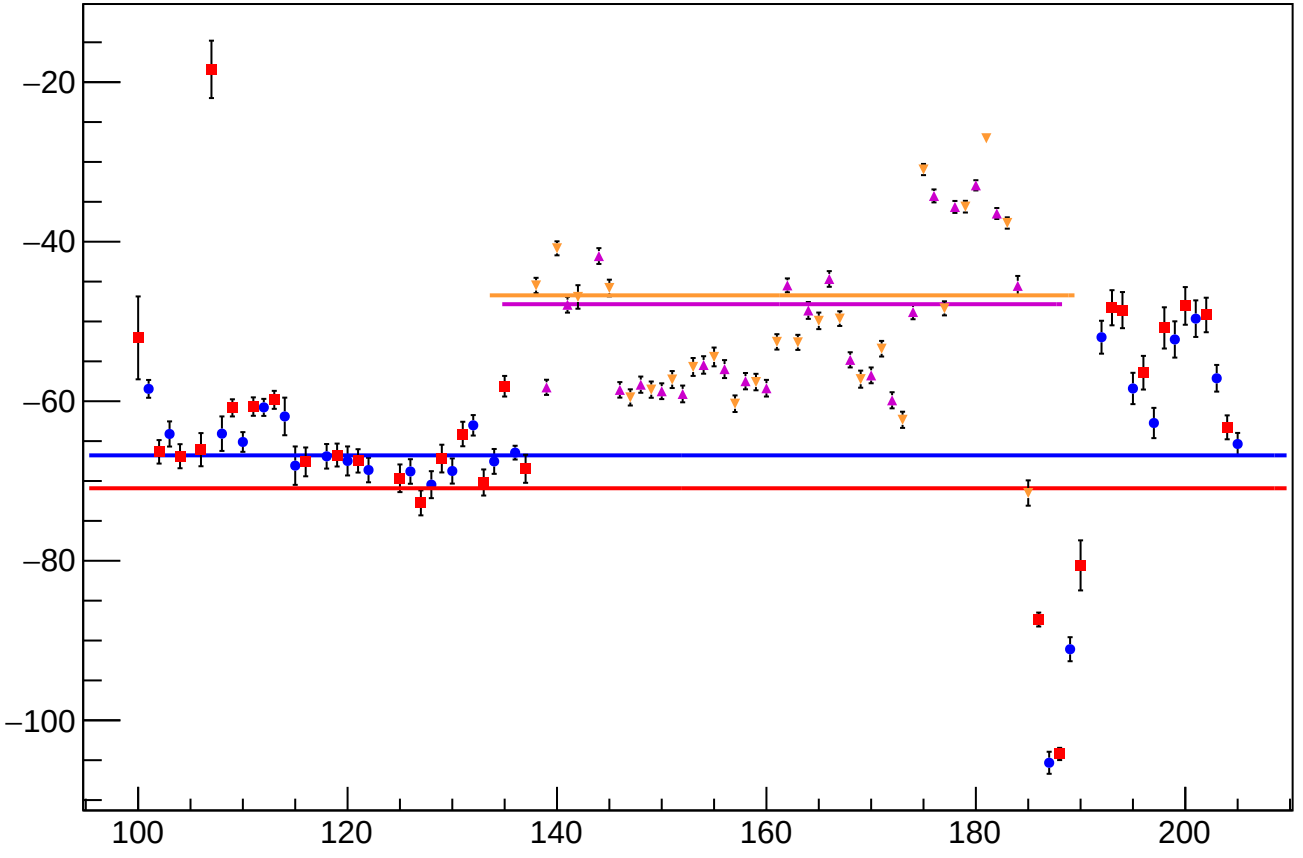
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.373+/-0.134 χ^2/NDF: 1672.3/48

All: 2.313+/-0.096 χ^2/NDF: 3018.7/99

- sign 2.251+/-0.136 χ^2/NDF: 1345.9/50

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.786+/-0.302 χ^2/NDF: 1360.6/24

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.910+/-0.284 χ^2/NDF: 3442.1/27

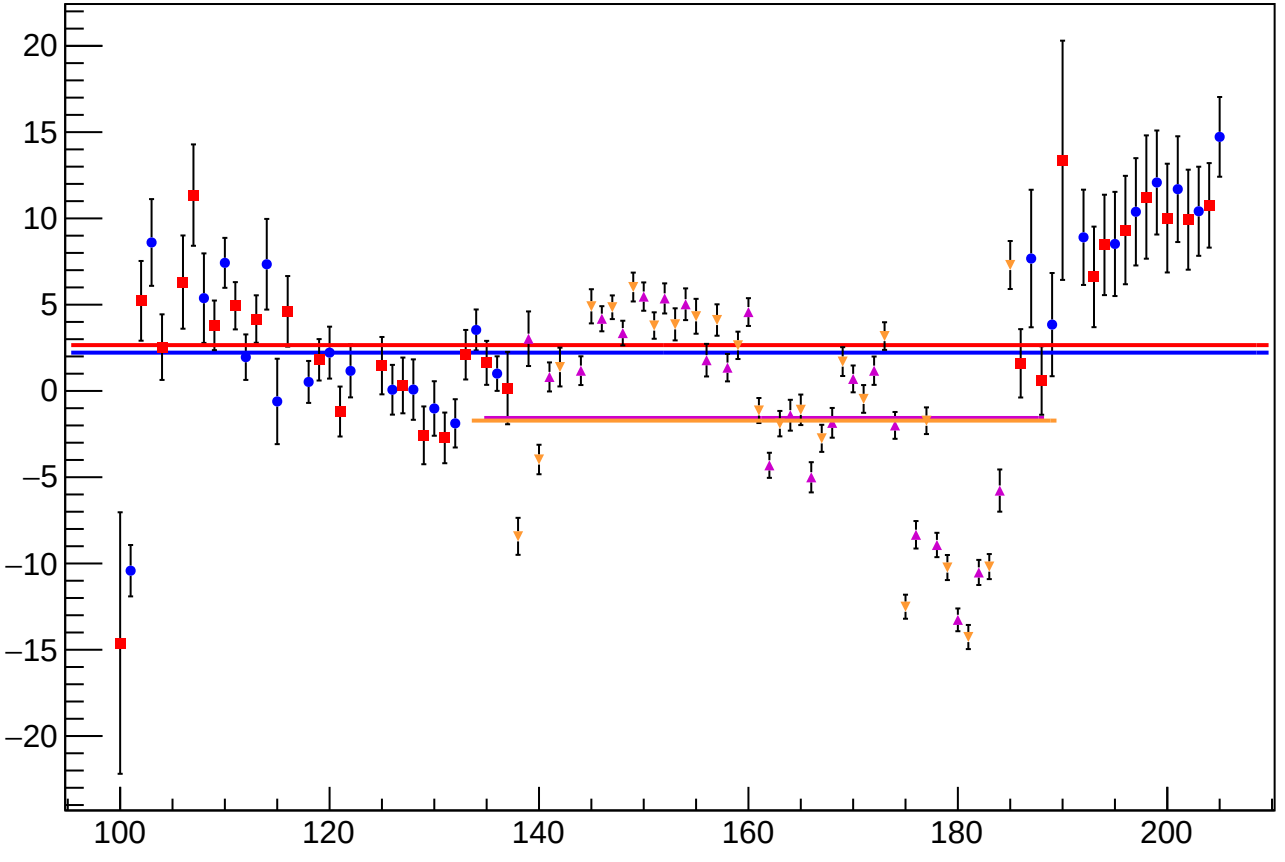
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.485+/-0.162 χ^2/NDF: 7956.4/48

All: -53.848+/-0.114 χ^2/NDF: 18608.3/99

- sign -55.182+/-0.160 χ^2/NDF: 10511.4/50

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.220+/-0.350 χ^2/NDF: 198.6/24

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.656+/-0.355 χ^2/NDF: 100.6/27

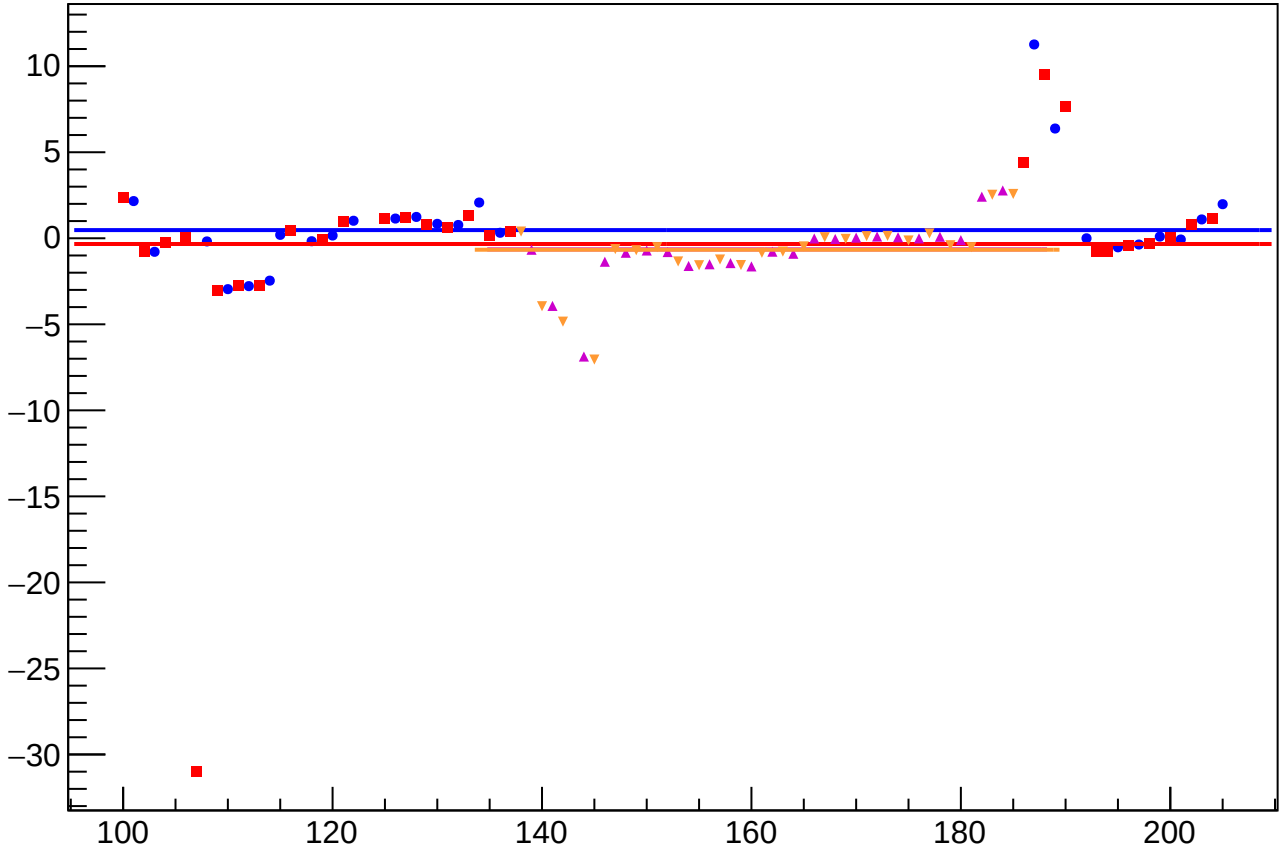
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.982+/-0.151 χ^2/NDF: 1707.6/48

All: -0.881+/-0.108 χ^2/NDF: 3041.6/99

- sign -0.776+/-0.154 χ^2/NDF: 1333.1/50

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.475+/-0.018 χ^2/NDF: 9892.1/24

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.333+/-0.018 χ^2/NDF: 60333.8/27

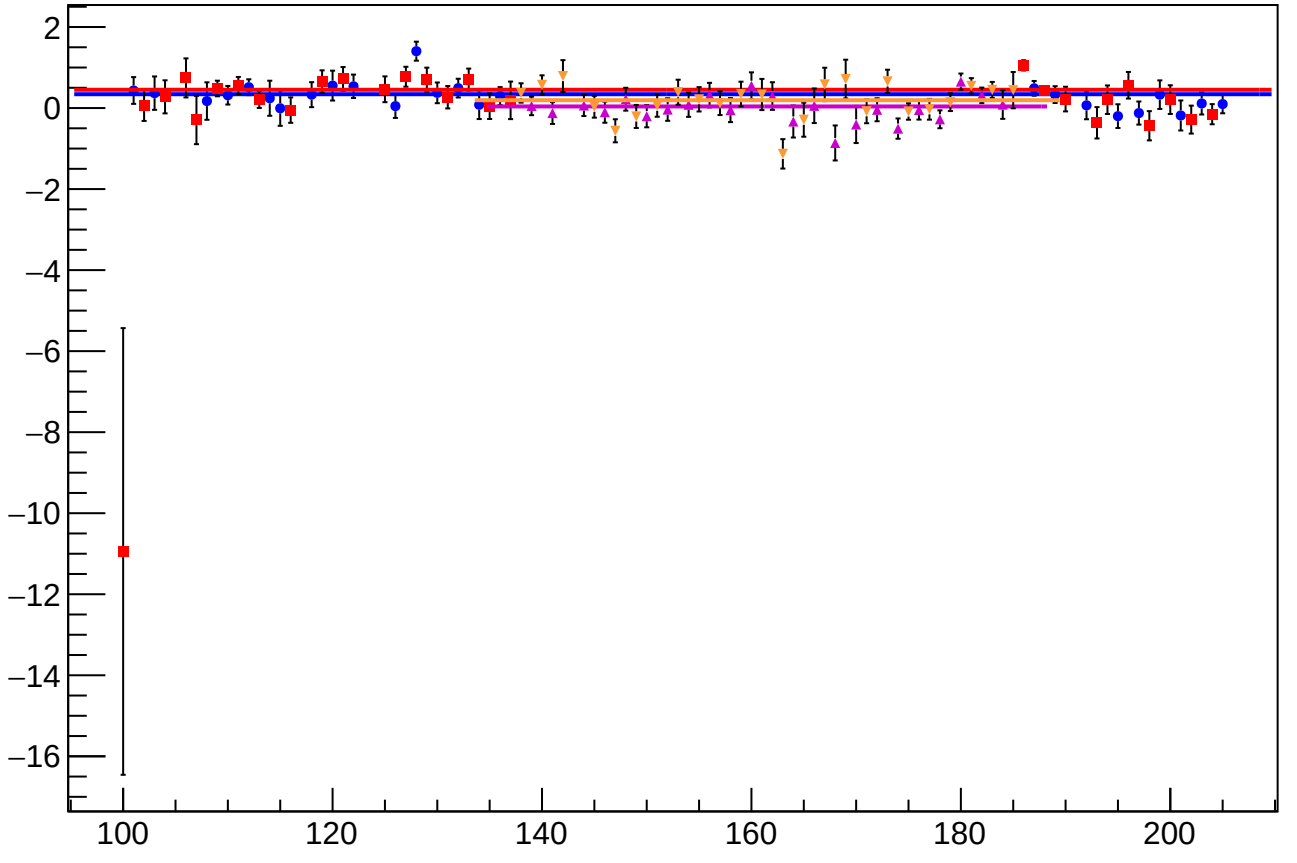
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.495+/-0.007 χ^2/NDF: 68628.2/48

All: -0.547+/-0.005 χ^2/NDF: 174899.2/99

- sign -0.600+/-0.007 χ^2/NDF: 106155.3/50

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.341+/-0.055 χ^2/NDF: 36.3/24

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.451+/-0.048 χ^2/NDF: 63.9/27

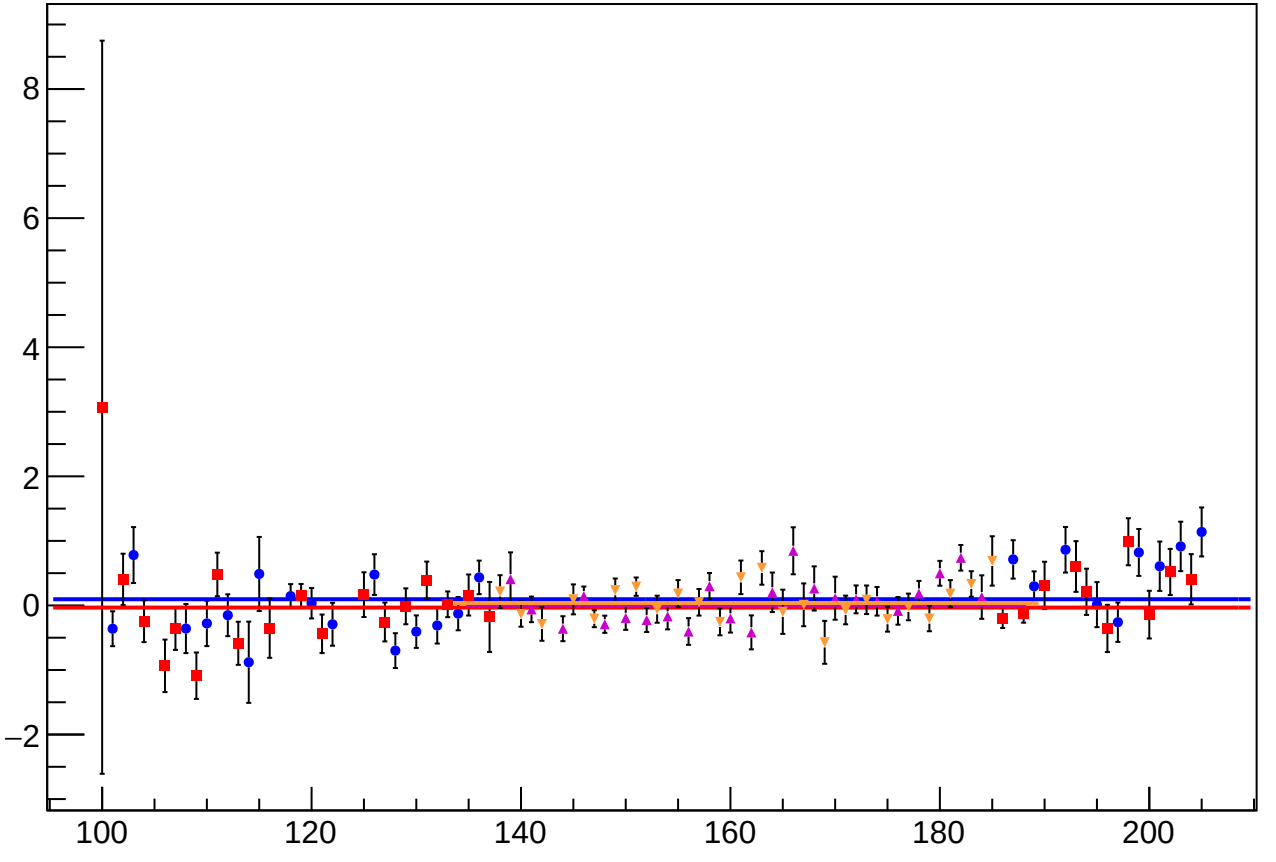
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.270+/-0.039 χ^2/NDF: 83.9/48

All: 0.277+/-0.027 χ^2/NDF: 208.6/99

- sign 0.283+/-0.037 χ^2/NDF: 124.6/50

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.096+/-0.061 χ^2/NDF: 60.7/24

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.033+/-0.055 χ^2/NDF: 46.1/27

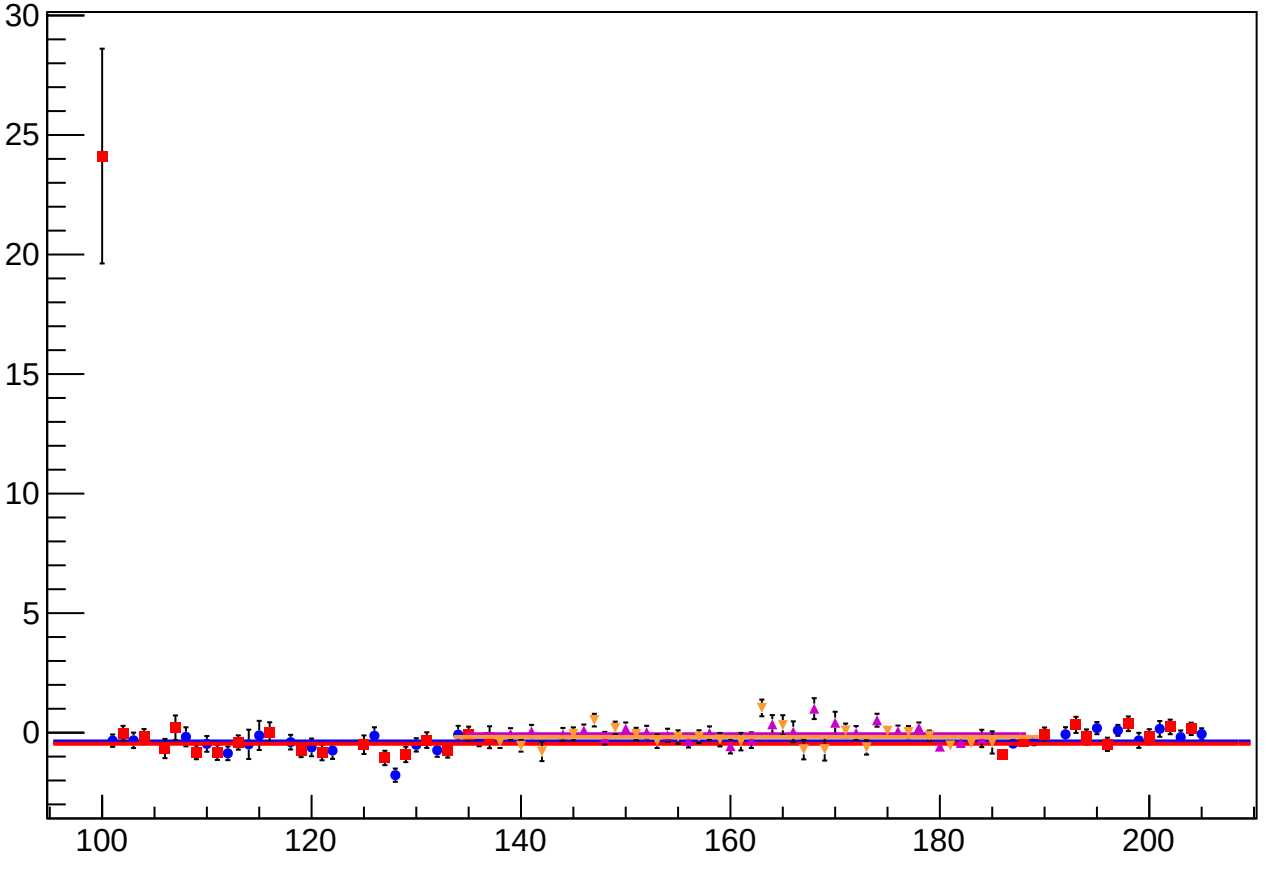
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.058+/-0.035 χ^2/NDF: 94.0/48

All: 0.024+/-0.025 χ^2/NDF: 193.7/99

- sign -0.008+/-0.034 χ^2/NDF: 97.8/50

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.368+/-0.055 χ^2/NDF: 49.0/24

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.463+/-0.045 χ^2/NDF: 96.2/27

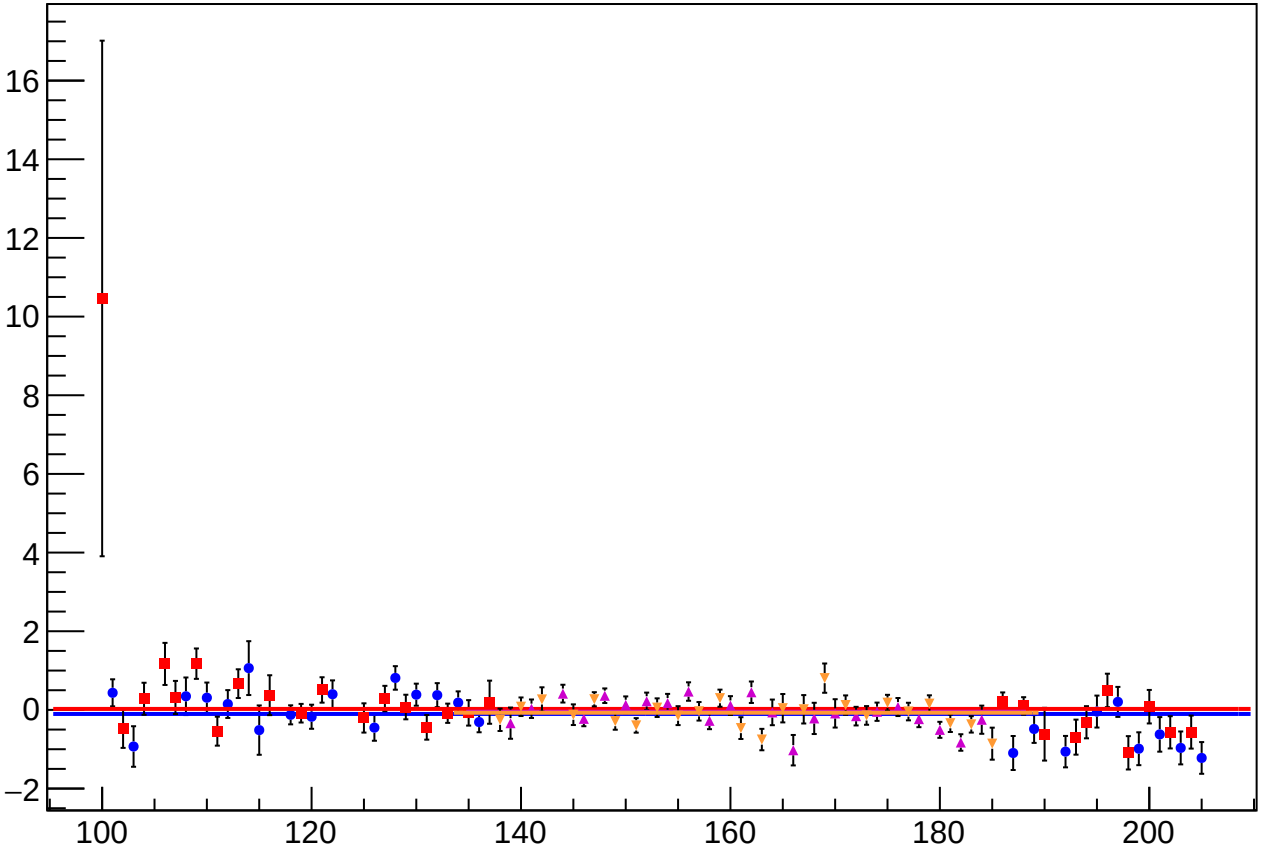
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.275+/-0.039 χ^2/NDF: 97.0/48

All: -0.293+/-0.026 χ^2/NDF: 254.7/99

- sign -0.308+/-0.036 χ^2/NDF: 157.3/50

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.103+/-0.071 χ^2/NDF: 61.3/24

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.025+/-0.067 χ^2/NDF: 47.3/27

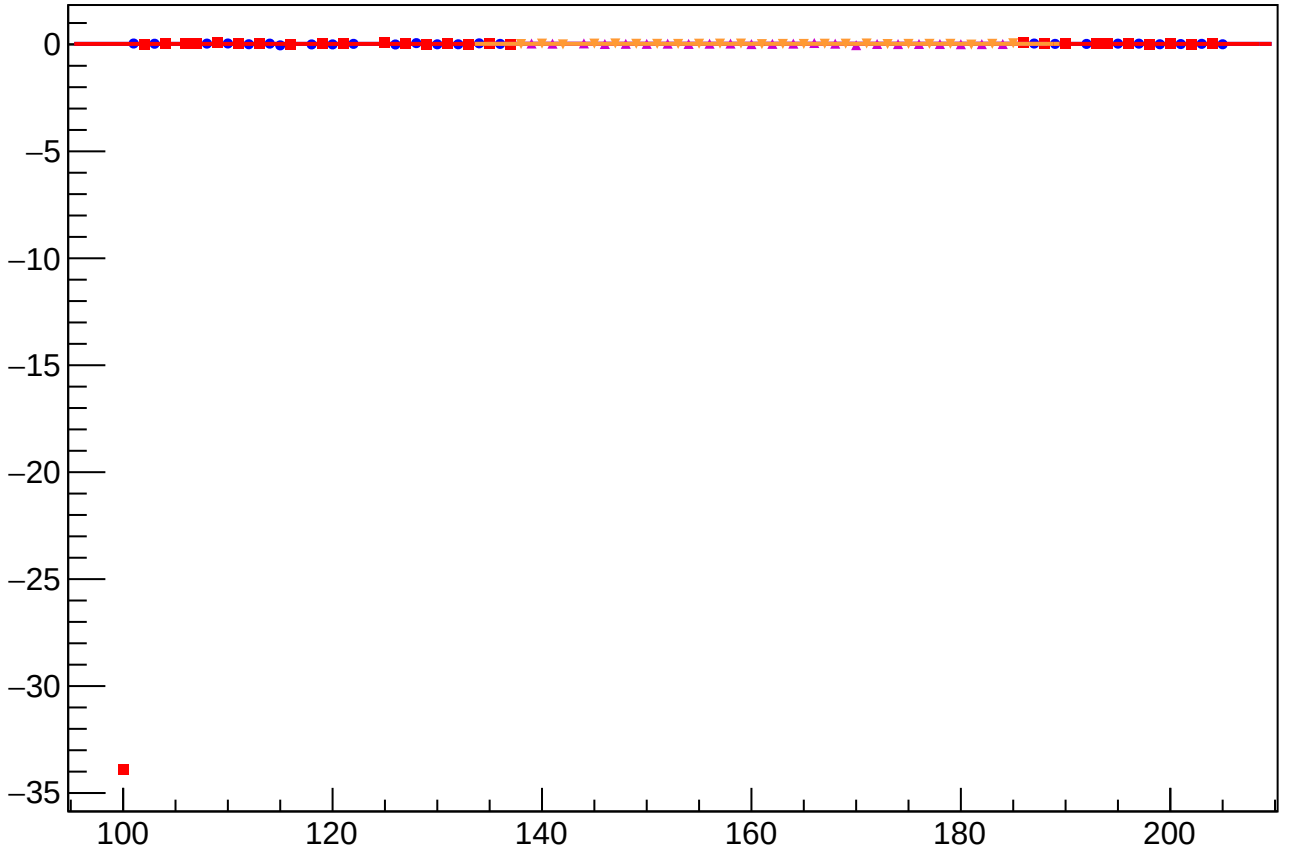
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.082+/-0.041 χ^2/NDF: 99.1/48

All: -0.051+/-0.029 χ^2/NDF: 198.7/99

- sign -0.022+/-0.040 χ^2/NDF: 98.5/50

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.025+/-0.003 χ^2/NDF: 20.2/24

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.003 χ^2/NDF: 22309.7/27

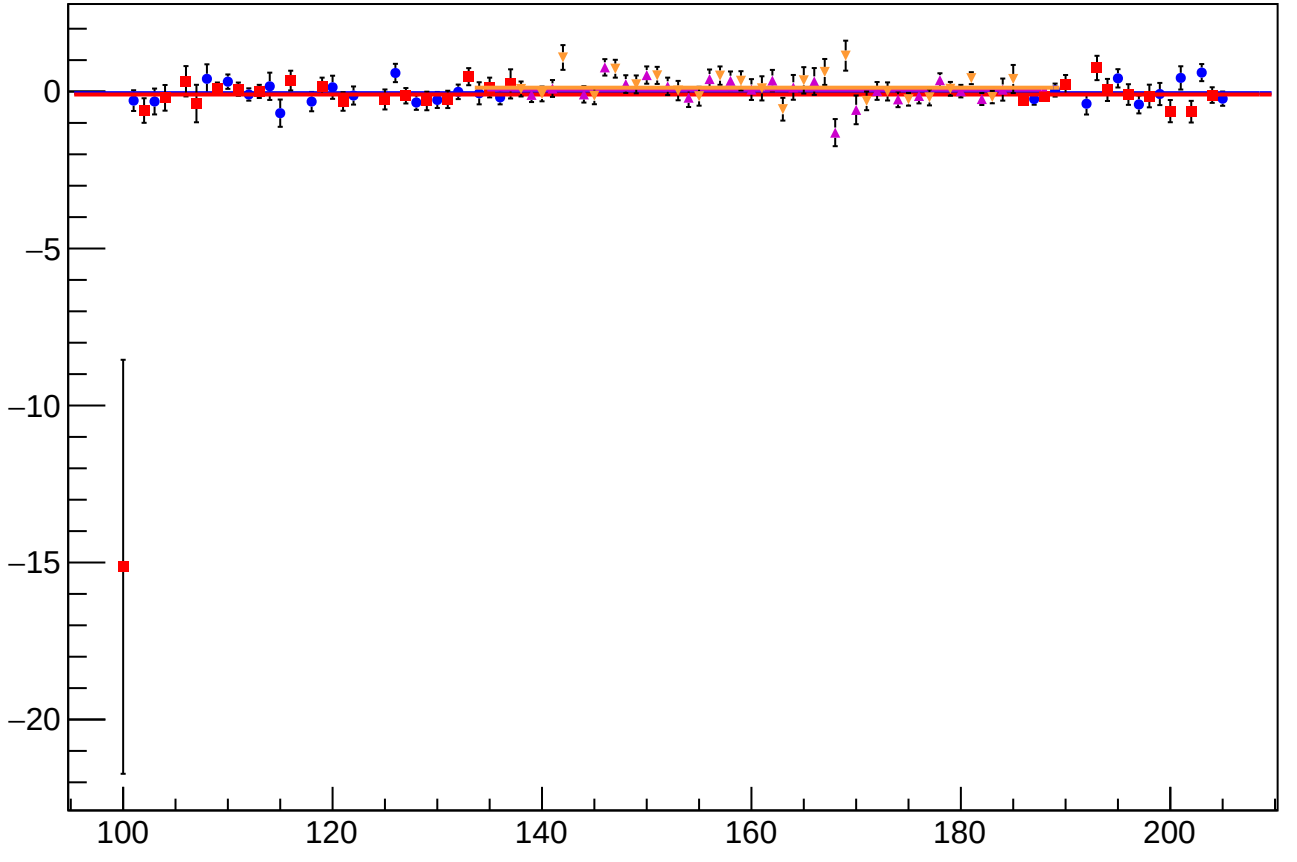
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 51.7/48

All: 0.026+/-0.001 χ^2/NDF: 22401.4/99

- sign 0.025+/-0.002 χ^2/NDF: 22349.7/50

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.052+/-0.055 χ^2/NDF: 30.1/24

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.095+/-0.048 χ^2/NDF: 33.5/27

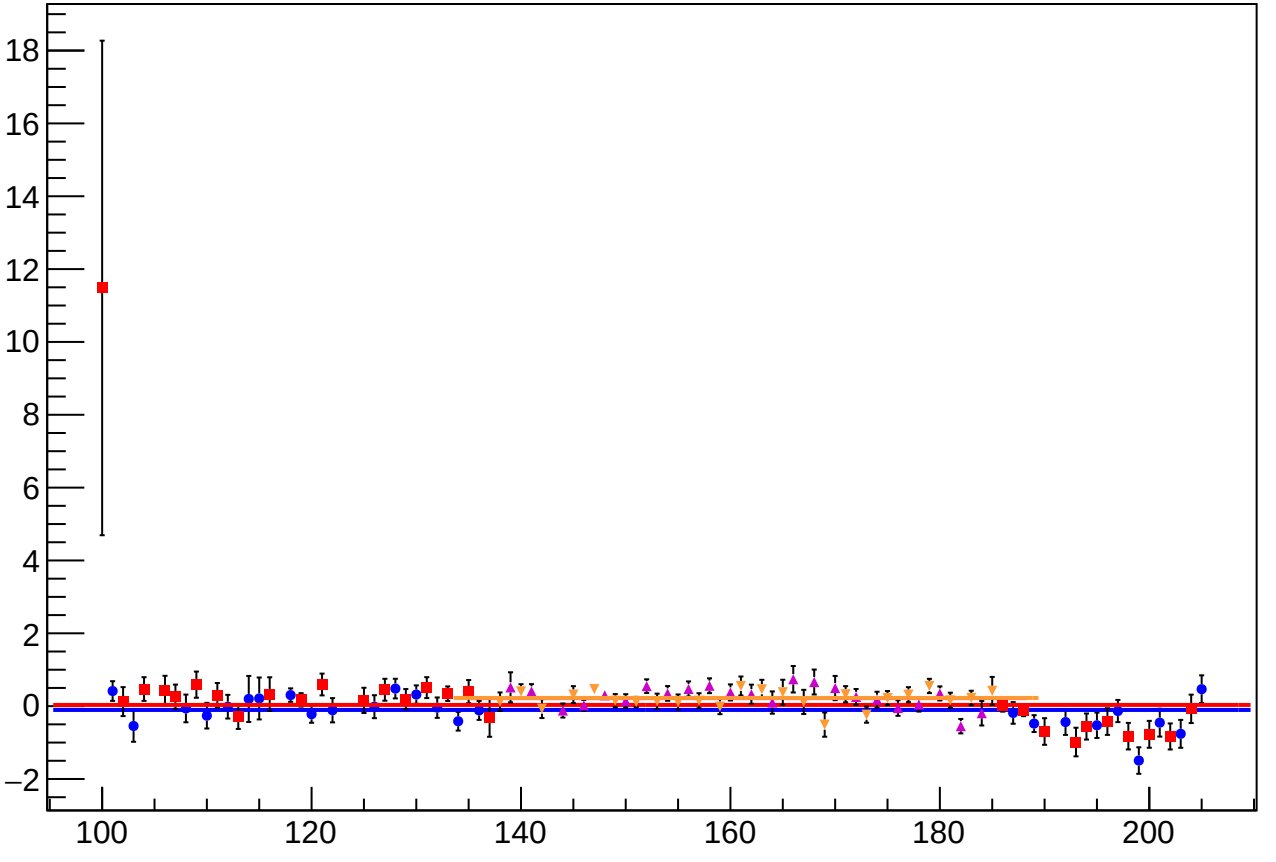
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.032+/-0.039 χ^2/NDF: 74.6/48

All: -0.001+/-0.027 χ^2/NDF: 148.2/99

- sign -0.030+/-0.037 χ^2/NDF: 72.2/50

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.104+/-0.061 χ^2/NDF: 45.5/24

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.034+/-0.055 χ^2/NDF: 56.2/27

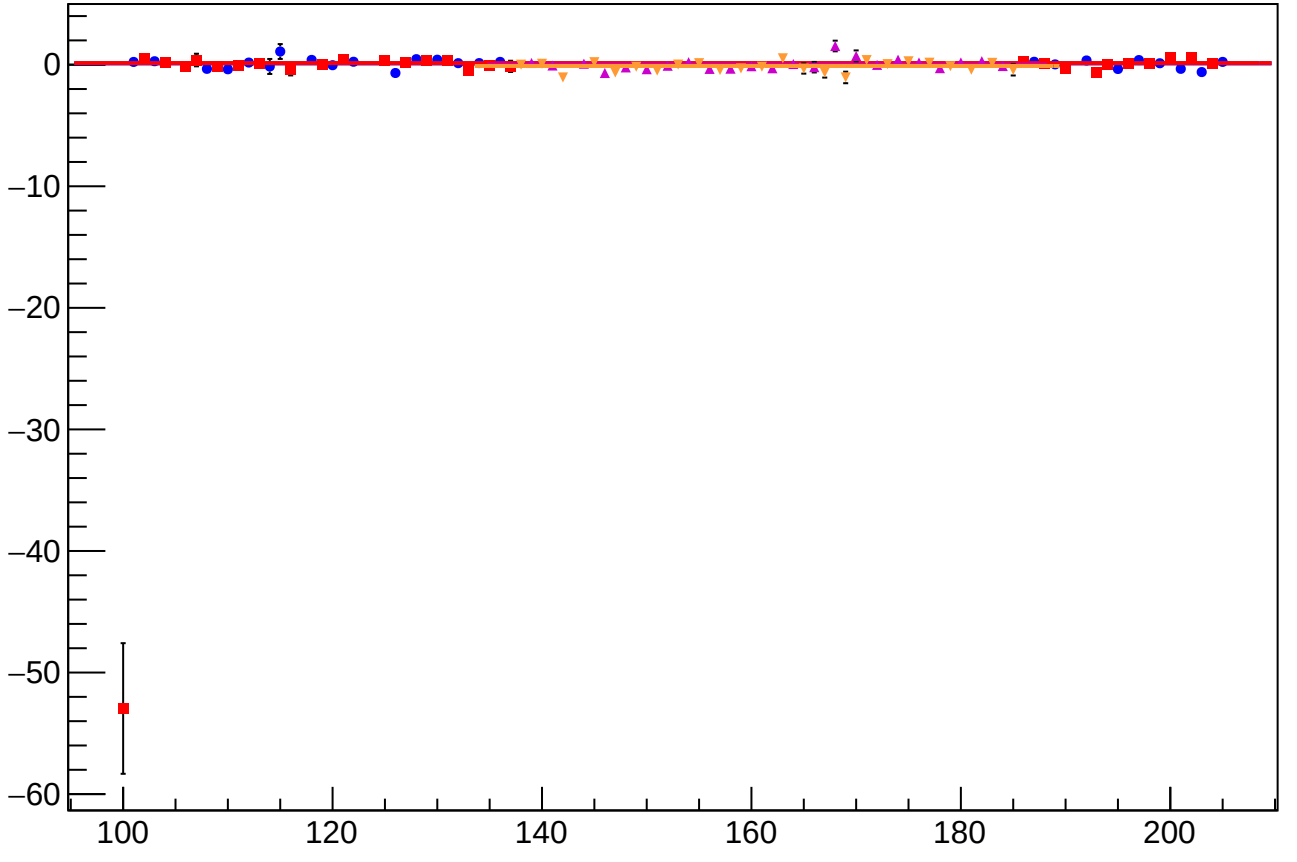
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.114+/-0.035 χ^2/NDF: 89.1/48

All: 0.131+/-0.025 χ^2/NDF: 192.2/99

- sign 0.148+/-0.034 χ^2/NDF: 102.6/50

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.108+/-0.055 χ^2/NDF: 31.2/24

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.045 χ^2/NDF: 122.6/27

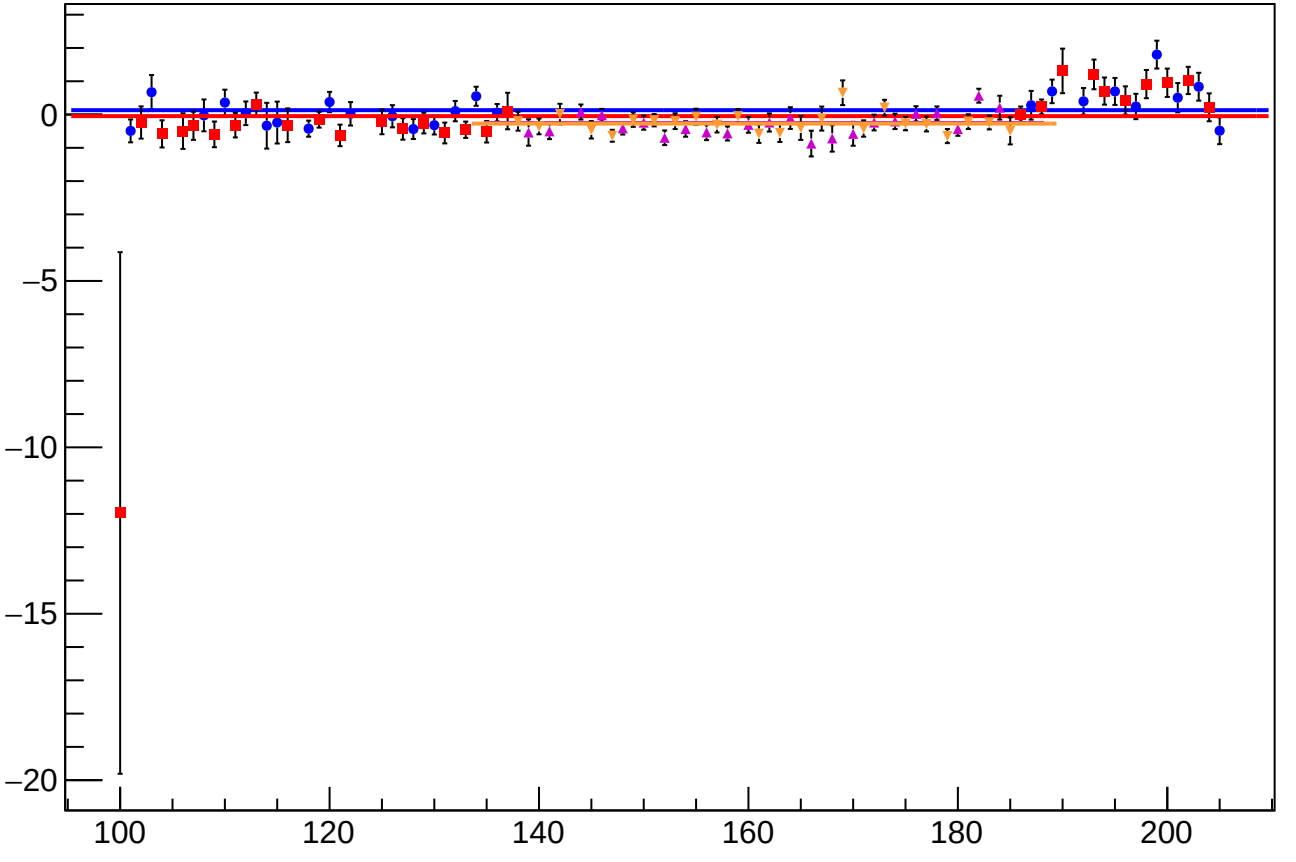
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.004+/-0.039 χ^2/NDF: 76.1/48

All: 0.044+/-0.026 χ^2/NDF: 242.3/99

- sign 0.077+/-0.036 χ^2/NDF: 164.4/50

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.131+/-0.071 χ^2/NDF: 47.4/24

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.048+/-0.067 χ^2/NDF: 58.4/27

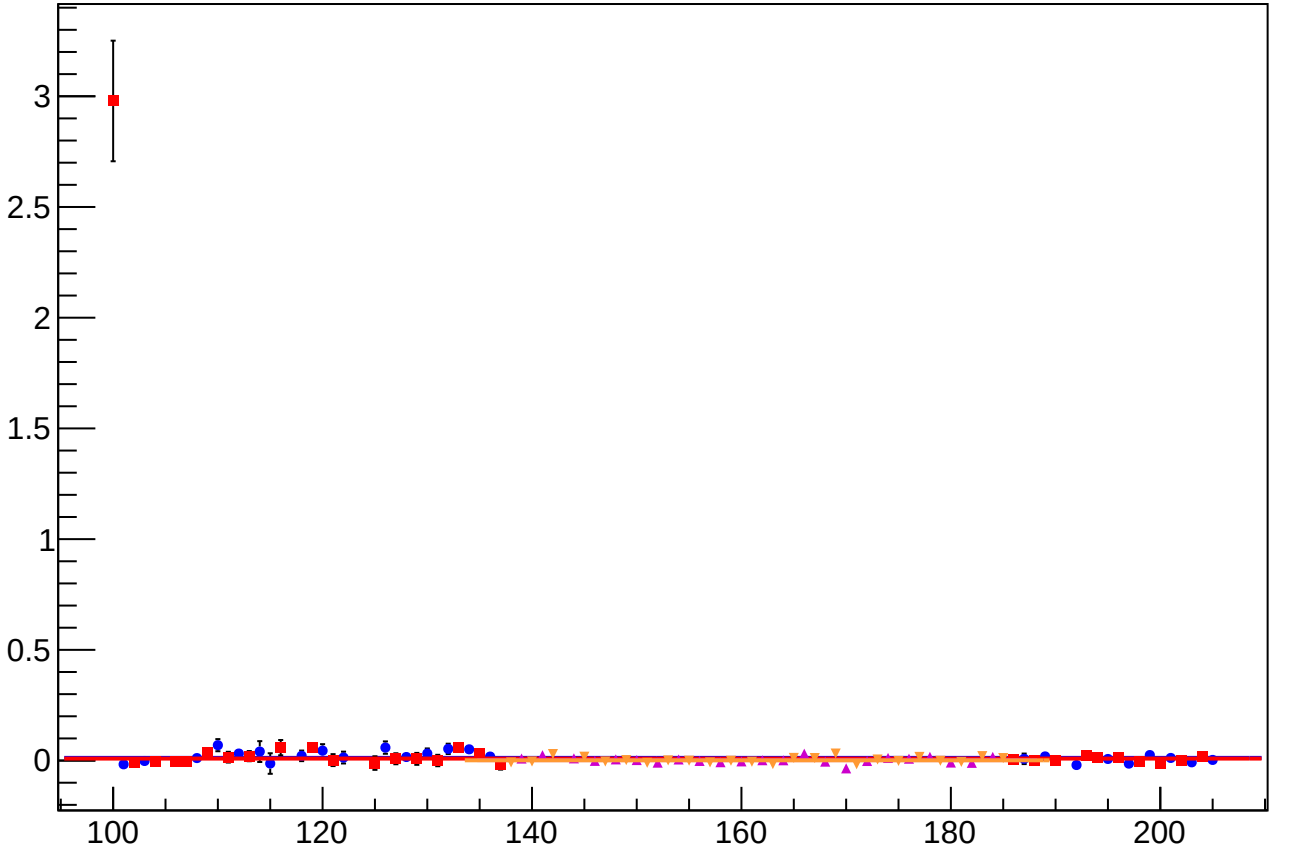
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.141+/-0.041 χ^2/NDF: 93.9/48

All: -0.161+/-0.029 χ^2/NDF: 199.3/99

- sign -0.180+/-0.040 χ^2/NDF: 105.0/50

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 40.0/24

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.6/27

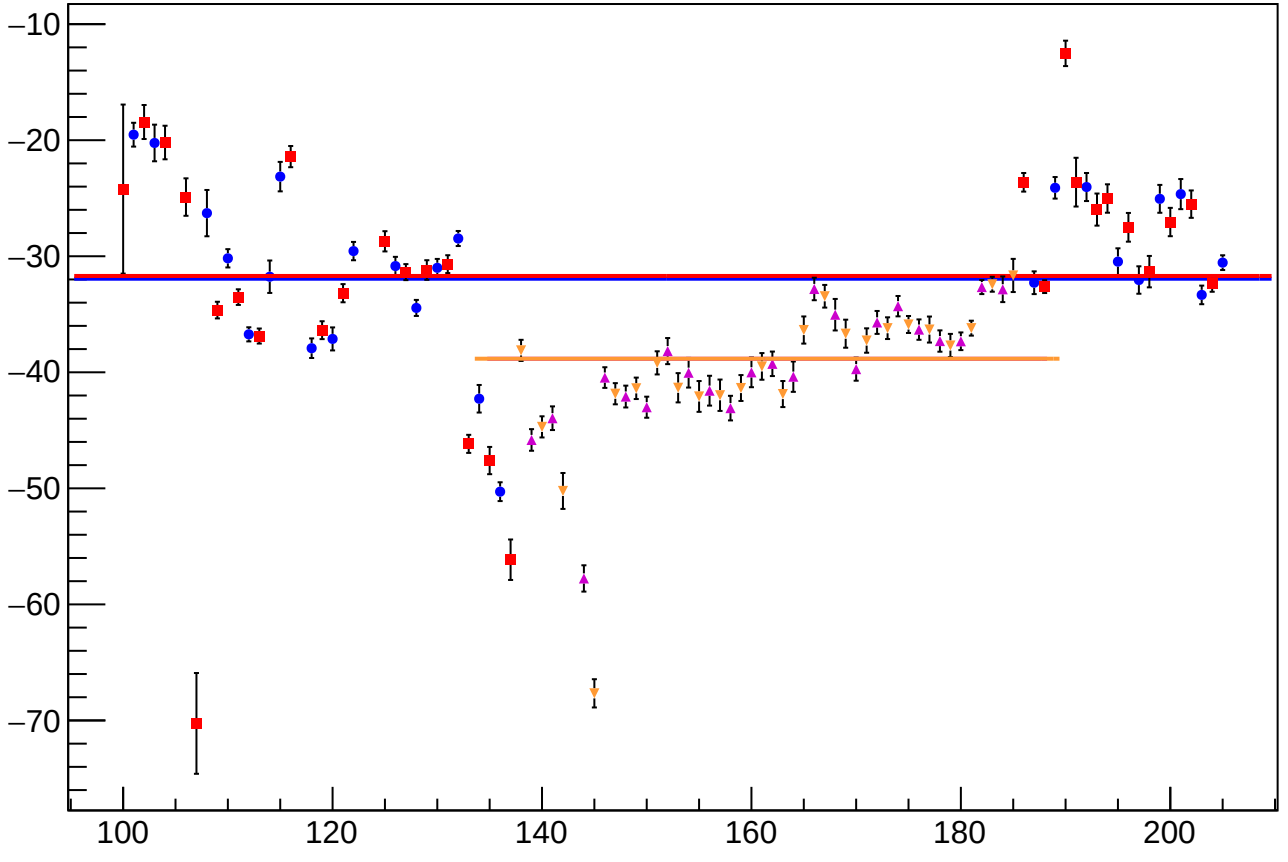
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 74.0/48

All: 0.004+/-0.001 χ^2/NDF: 251.2/99

- sign 0.004+/-0.002 χ^2/NDF: 177.2/50

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.936+/-0.180 χ^2/NDF: 1232.5/24

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.699+/-0.173 χ^2/NDF: 1764.8/28

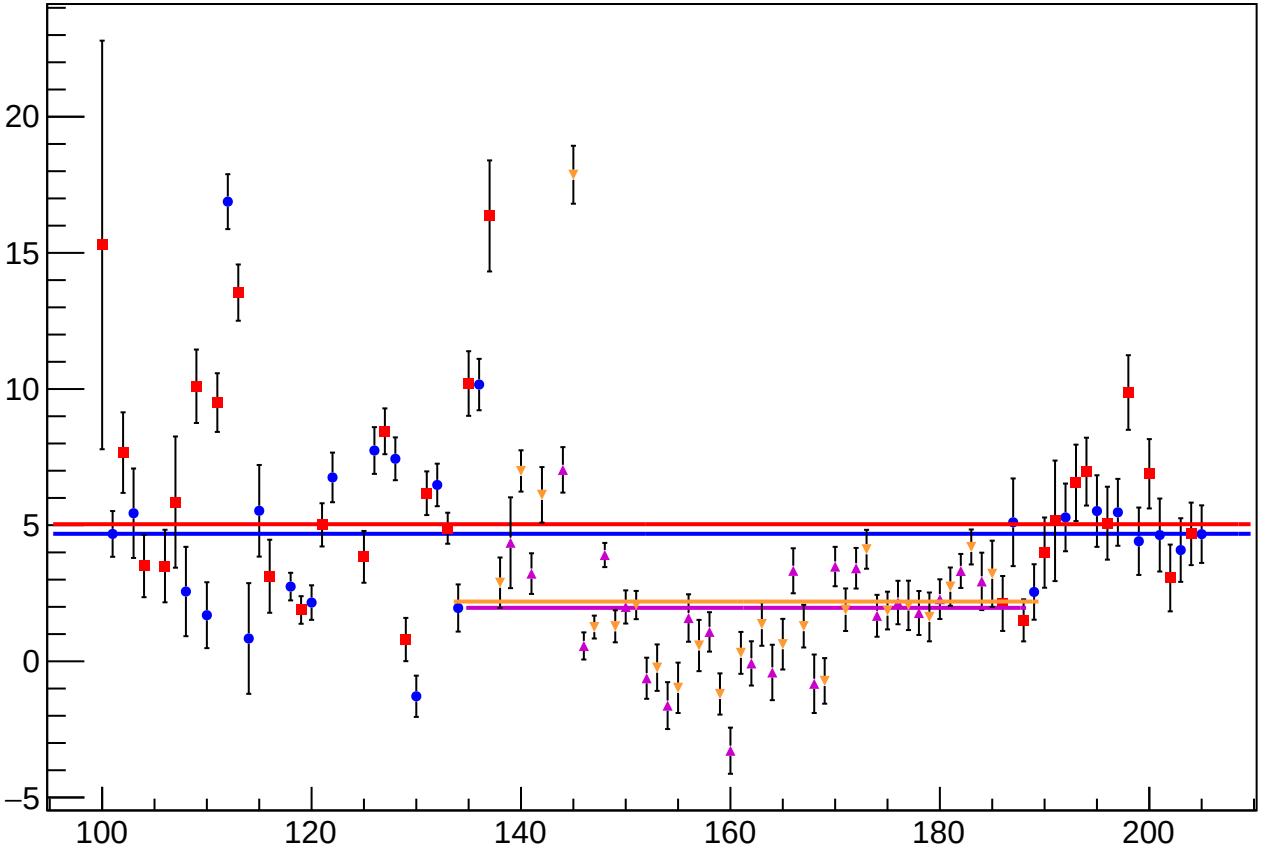
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -34.994+/-0.135 χ^2/NDF: 2797.0/48

All: -34.844+/-0.094 χ^2/NDF: 5931.6/100

- sign -34.700+/-0.132 χ^2/NDF: 3132.1/51

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.683+/-0.193 χ^2/NDF: 335.5/24

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.035+/-0.190 χ^2/NDF: 297.1/28

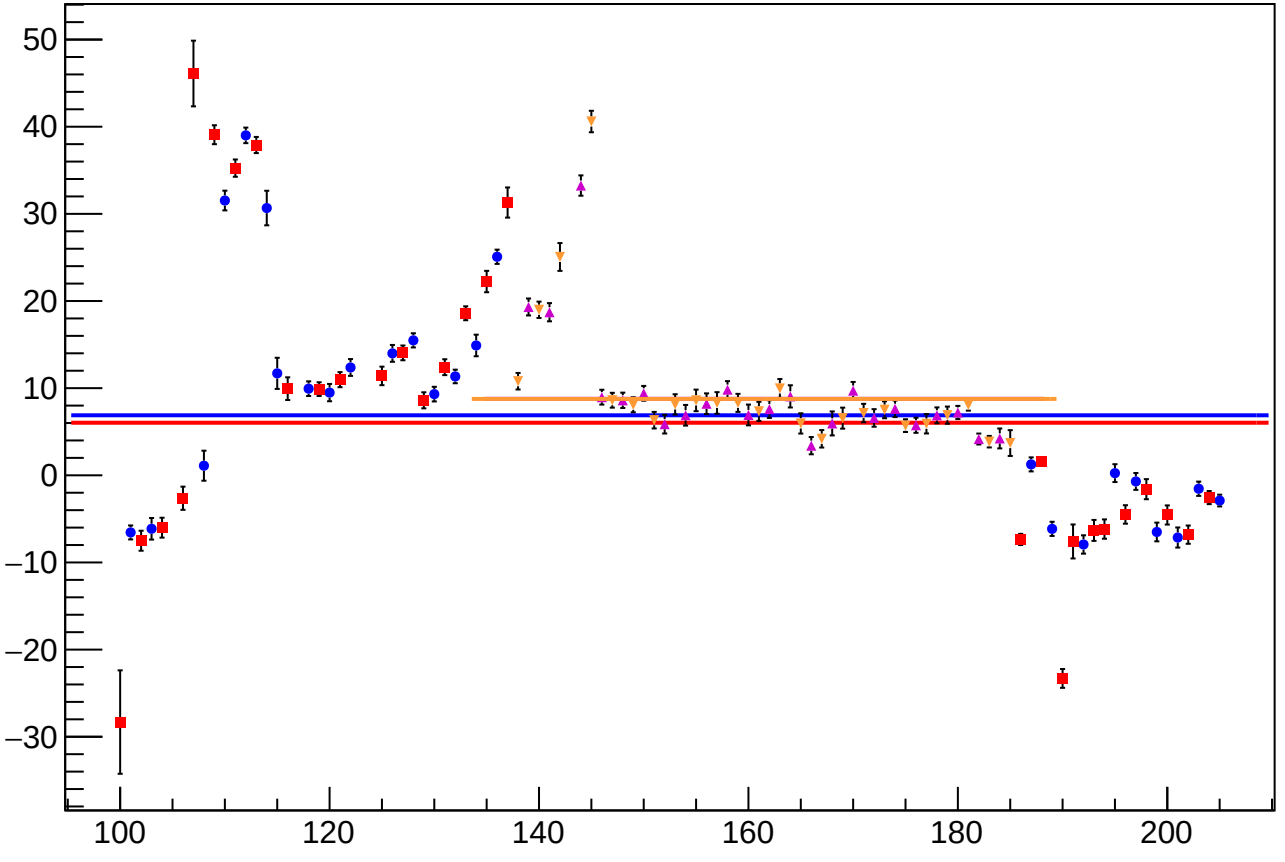
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.150+/-0.119 χ^2/NDF: 803.1/48

All: 3.170+/-0.085 χ^2/NDF: 1431.0/100

- sign 3.191+/-0.120 χ^2/NDF: 627.8/51

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 6.886+/-0.190 χ^2/NDF: 4350.0/24

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.033+/-0.179 χ^2/NDF: 6353.8/28

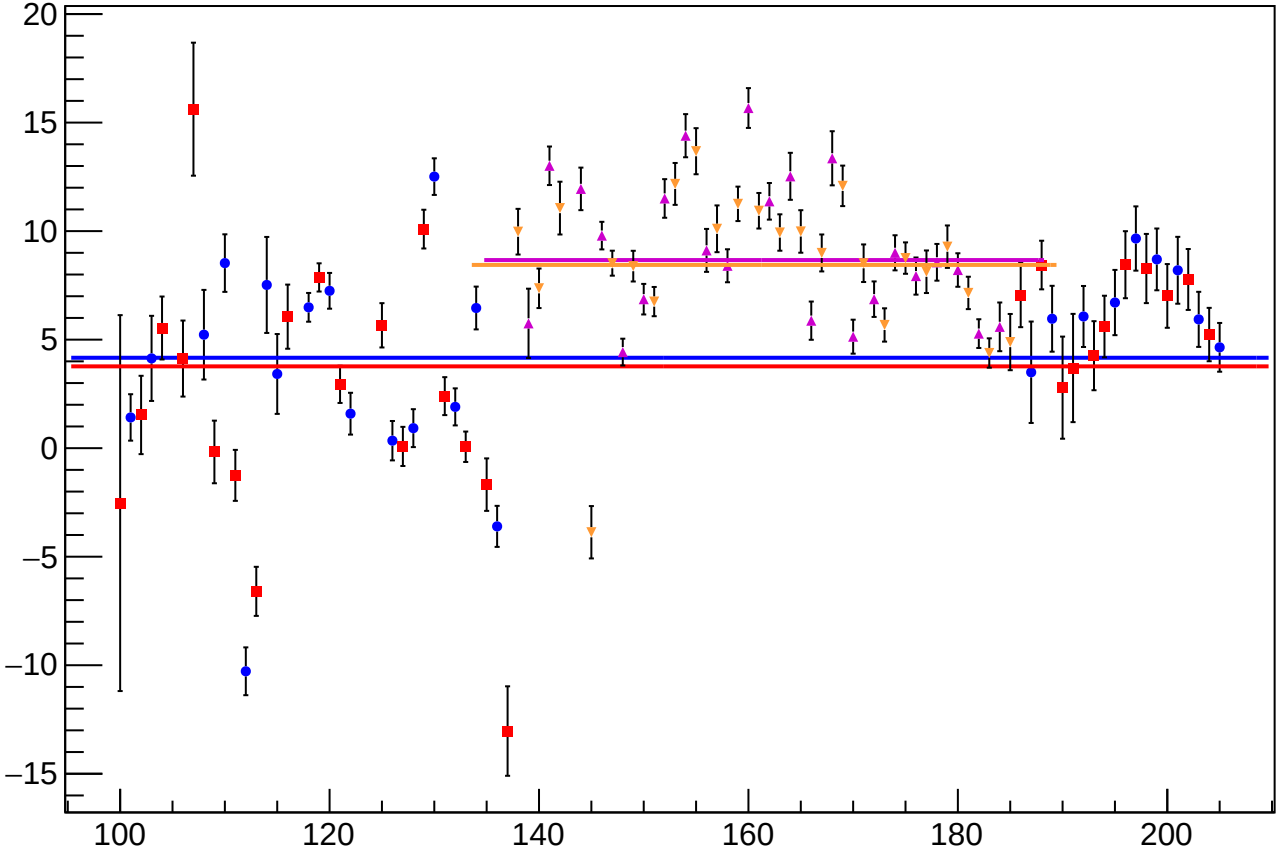
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 7.775+/-0.138 χ^2/NDF: 5431.6/48

All: 7.500+/-0.096 χ^2/NDF: 12691.7/100

- sign 7.241+/-0.134 χ^2/NDF: 7252.3/51

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.166+/-0.224 χ^2/NDF: 474.0/24

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.769+/-0.223 χ^2/NDF: 414.9/28

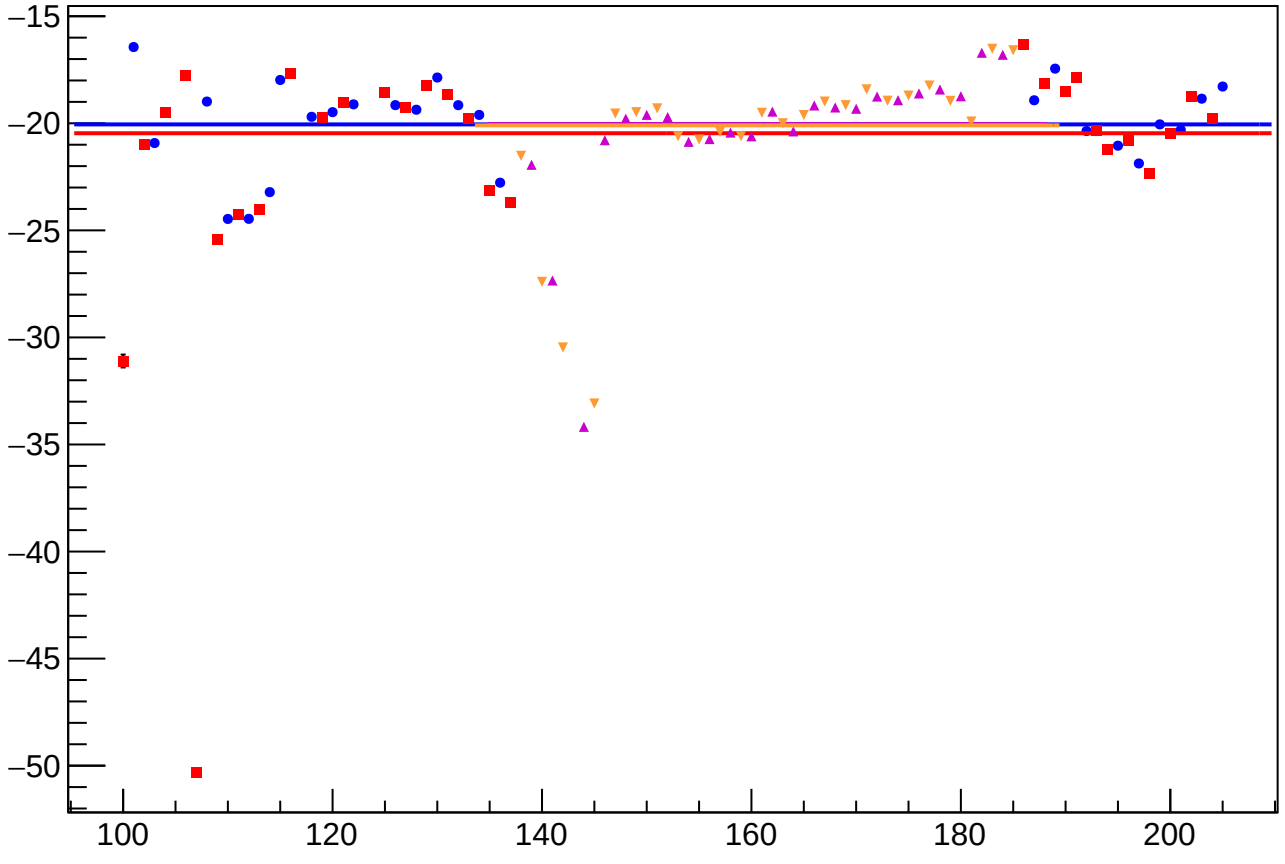
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.840+/-0.137 χ^2/NDF: 965.7/48

All: 6.818+/-0.097 χ^2/NDF: 1982.5/100

- sign 6.795+/-0.138 χ^2/NDF: 1016.7/51

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.051+/-0.011 χ^2/NDF: 25597.0/24

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.464+/-0.011 χ^2/NDF: 68361.9/28

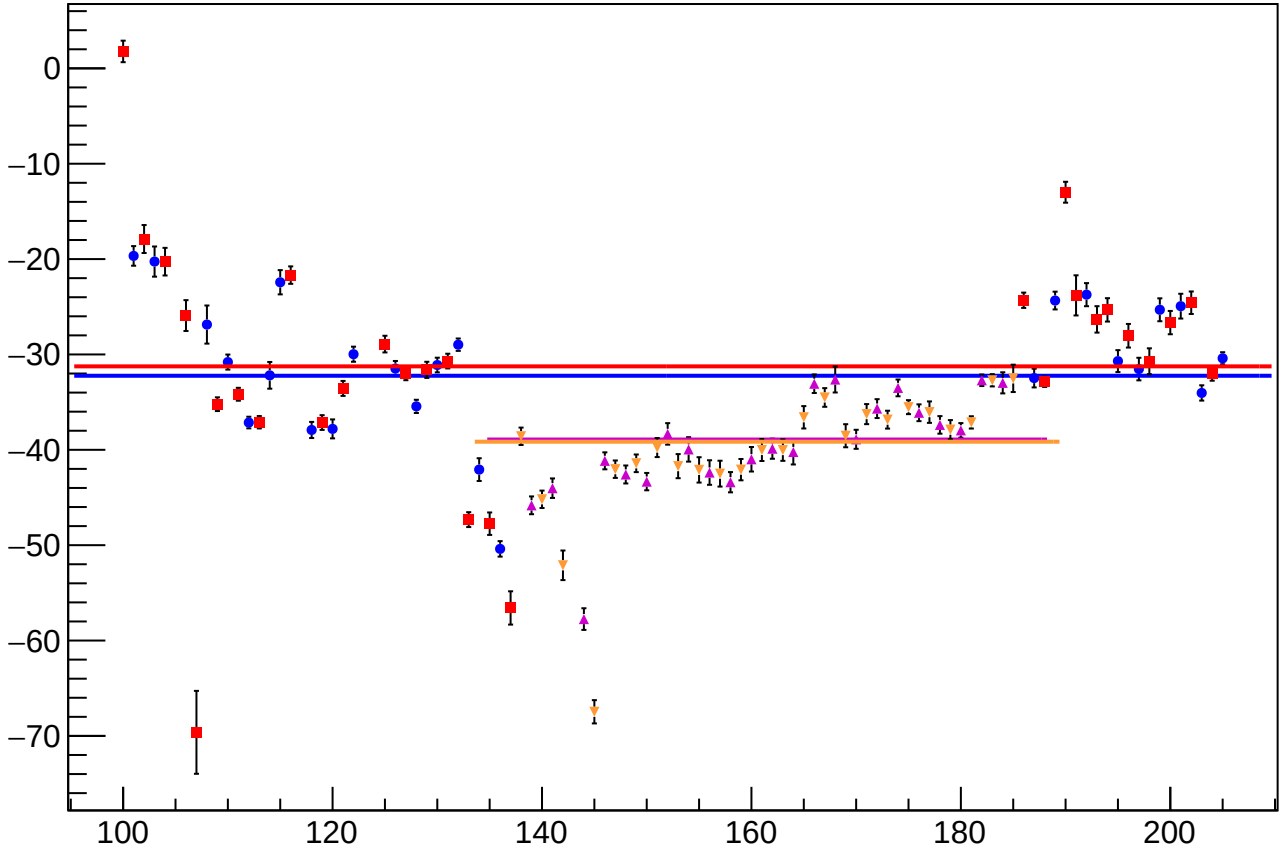
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.082+/-0.007 χ^2/NDF: 184900.3/48

All: -20.131+/-0.005 χ^2/NDF: 386635.0/100

- sign -20.179+/-0.006 χ^2/NDF: 201622.5/51

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.234+/-0.181 χ^2/NDF: 1244.9/24

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.250+/-0.172 χ^2/NDF: 2696.6/28

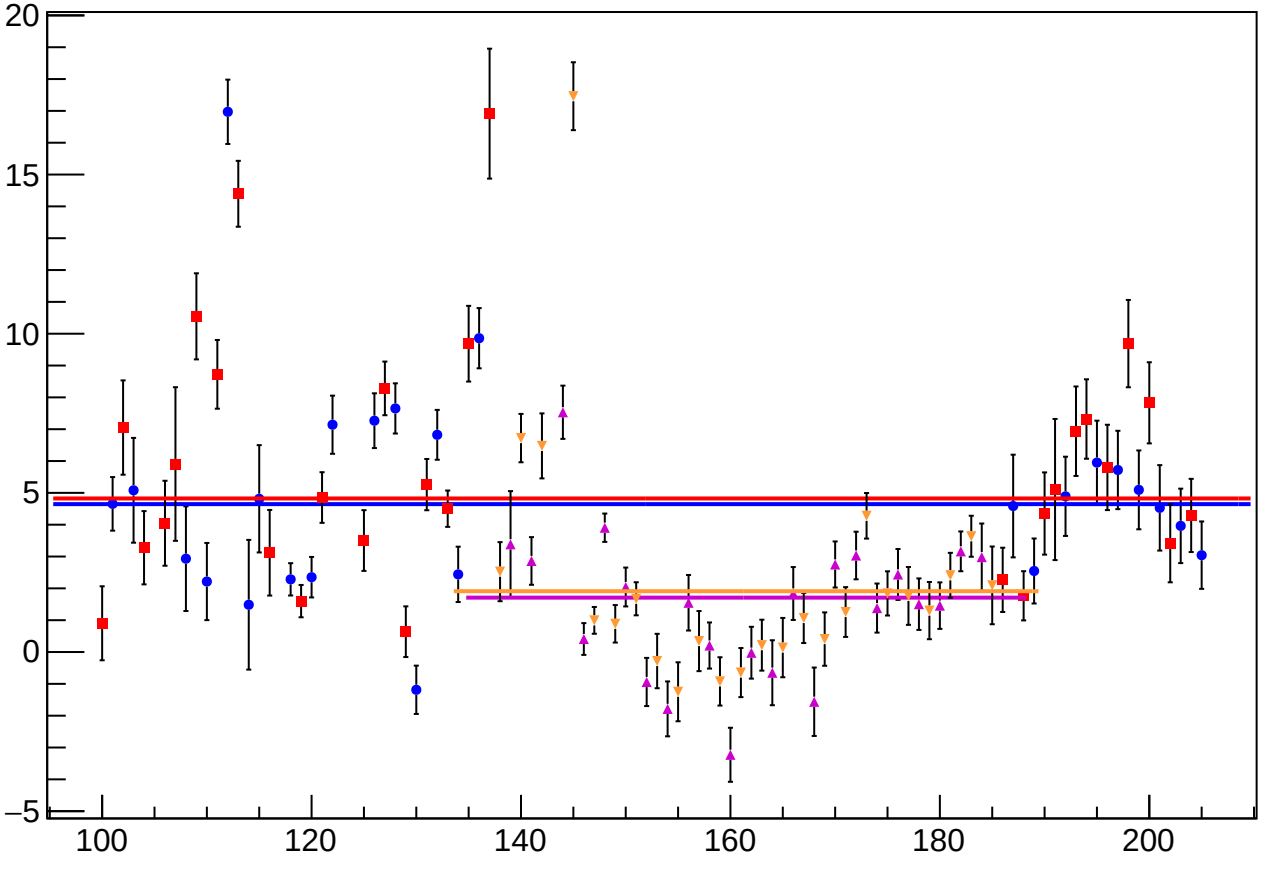
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -35.301+/-0.135 χ^2/NDF: 2792.7/48

All: -34.855+/-0.094 χ^2/NDF: 7024.4/100

\- sign -34.432+/-0.131 χ^2/NDF: 4210.4/51

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.646+/-0.193 χ^2/NDF: 334.7/24

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.824+/-0.188 χ^2/NDF: 321.9/28

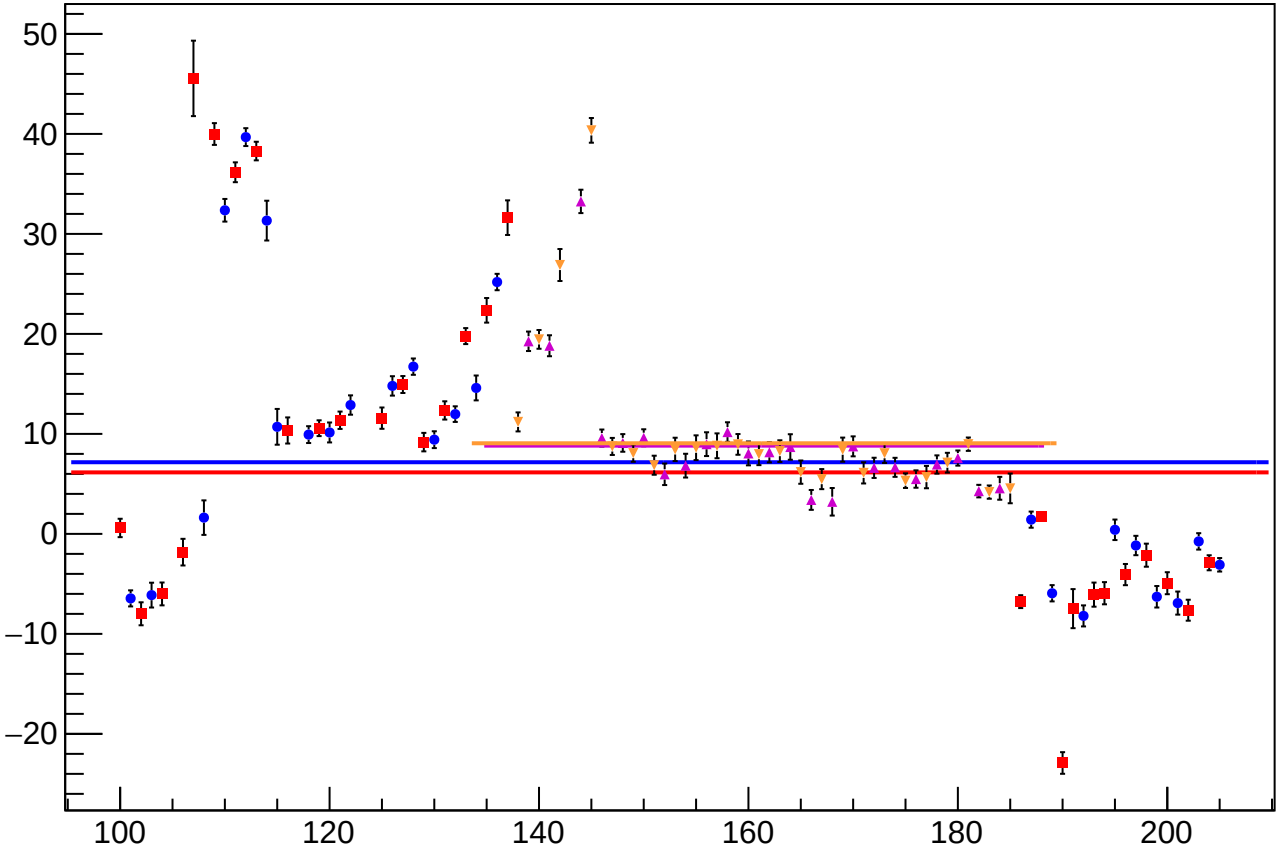
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.960+/-0.120 χ^2/NDF: 817.5/48

All: 2.966+/-0.085 χ^2/NDF: 1485.8/100

- sign 2.973+/-0.120 χ^2/NDF: 668.3/51

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 7.165+/-0.190 χ^2/NDF: 4470.0/24

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.150+/-0.176 χ^2/NDF: 6526.8/28

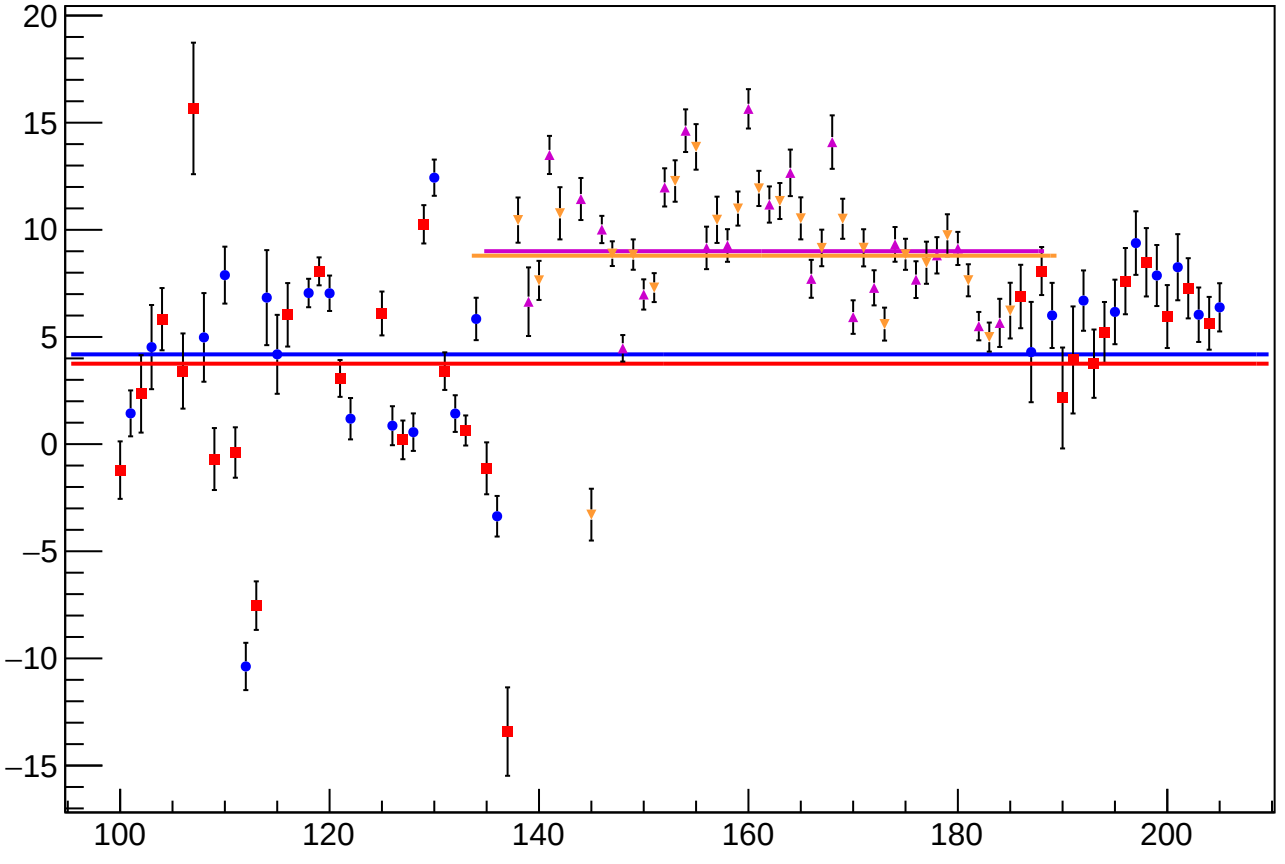
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 8.062+/-0.138 χ^2/NDF: 5550.4/48

All: 7.668+/-0.096 χ^2/NDF: 12994.1/100

- sign 7.305+/-0.133 χ^2/NDF: 7428.0/51

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.188+/-0.225 χ^2/NDF: 471.0/24

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.754+/-0.221 χ^2/NDF: 425.1/28

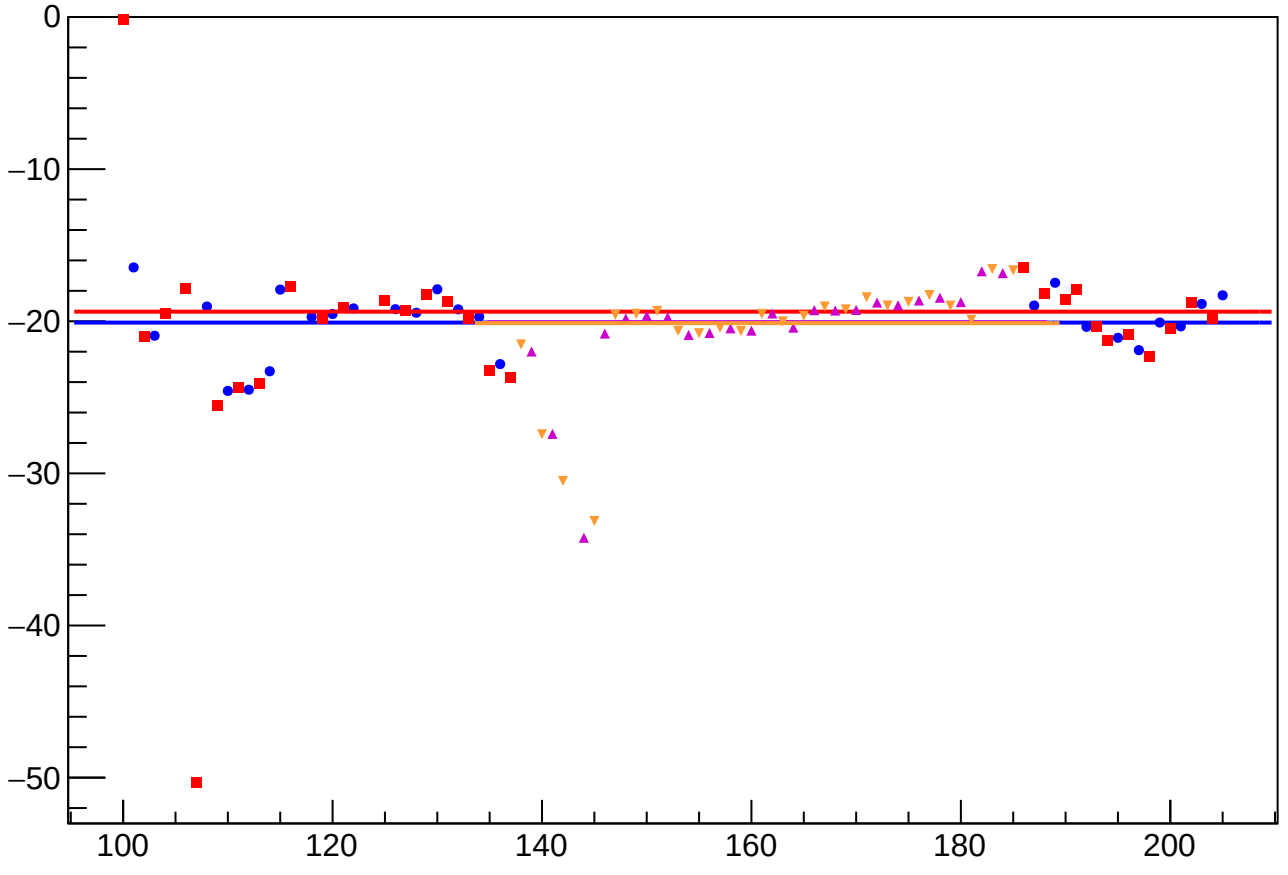
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.068+/-0.138 χ^2/NDF: 977.8/48

All: 7.016+/-0.097 χ^2/NDF: 2038.4/100

- sign 6.964+/-0.138 χ^2/NDF: 1060.4/51

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.087+/-0.012 χ^2/NDF: 25661.0/24

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.368+/-0.011 χ^2/NDF: 246653.0/28

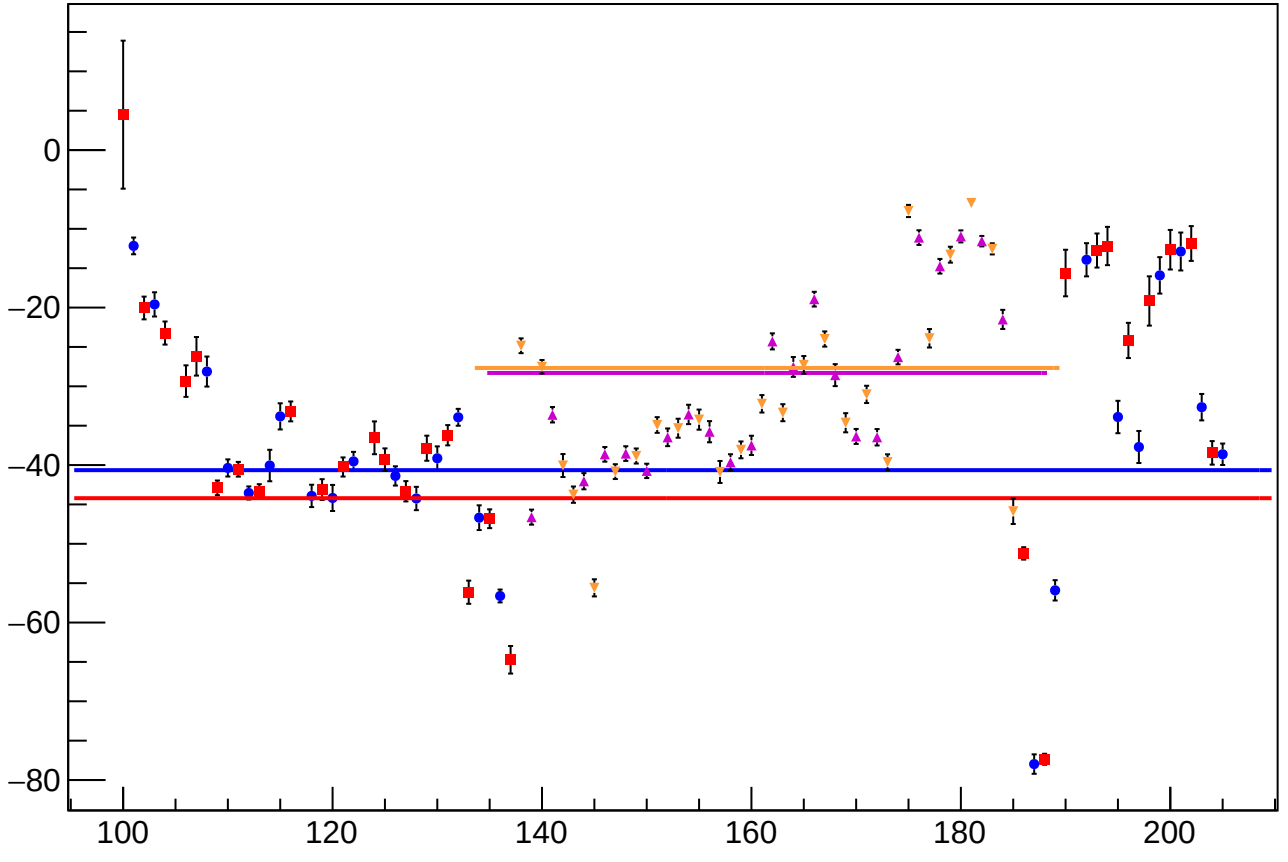
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.112+/-0.007 χ^2/NDF: 184246.5/48

All: -19.965+/-0.005 χ^2/NDF: 567230.2/100

- sign -19.824+/-0.006 χ^2/NDF: 381997.5/51

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.649+/-0.271 χ^2/NDF: 2930.0/24

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.208+/-0.251 χ^2/NDF: 4373.6/28

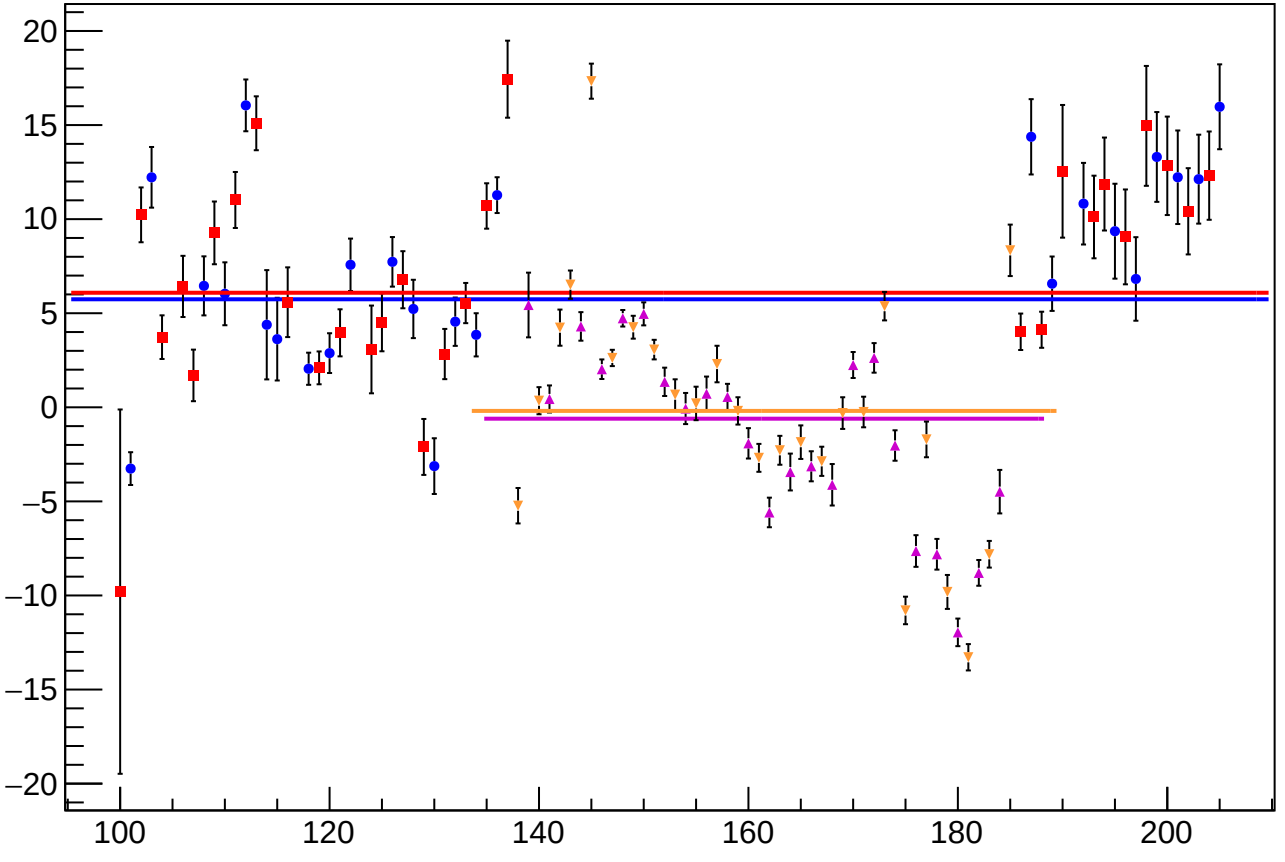
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.250+/-0.161 χ^2/NDF: 8807.0/49

All: -33.492+/-0.113 χ^2/NDF: 18975.0/101

\- sign -34.702+/-0.159 χ^2/NDF: 10050.9/51

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.741+/-0.288 χ^2/NDF: 355.2/24

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.088+/-0.278 χ^2/NDF: 235.5/28

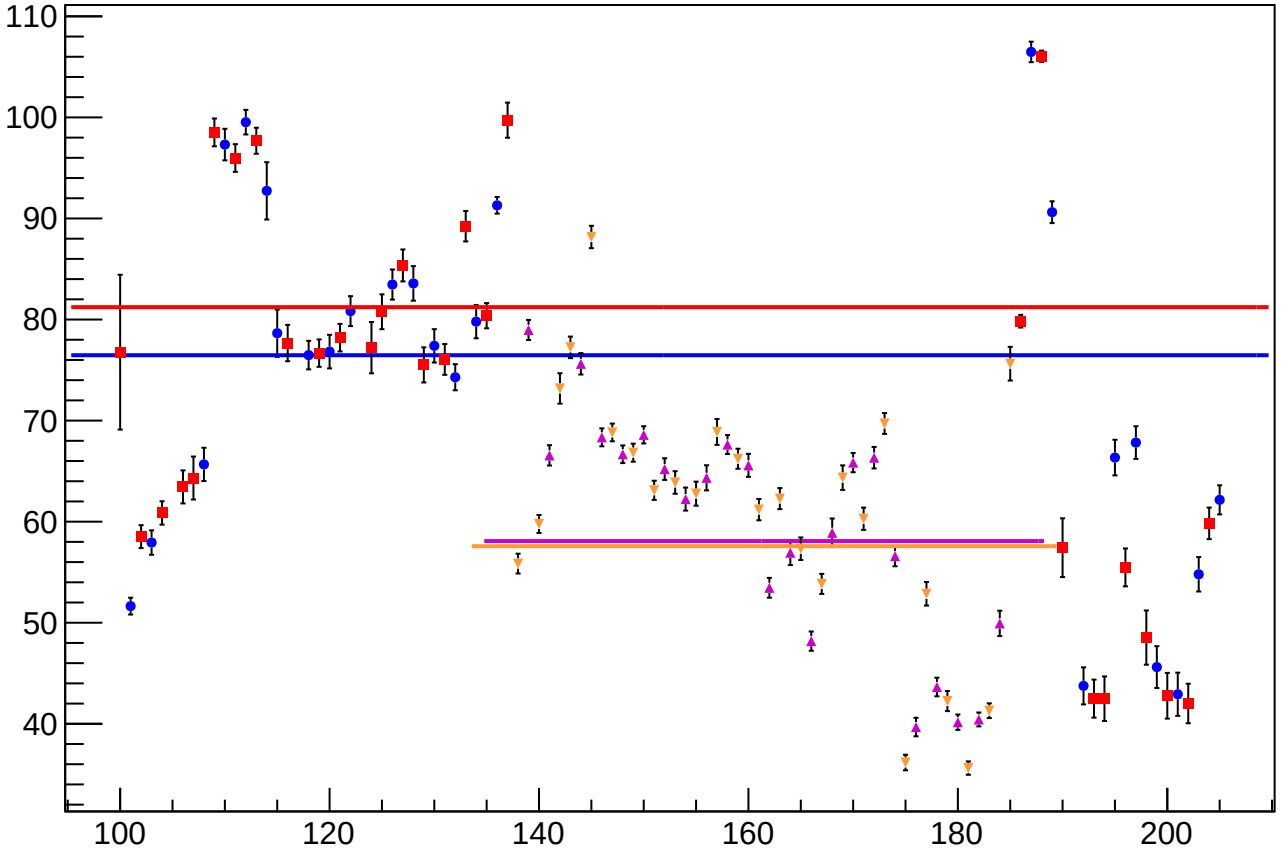
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.073+/-0.133 χ^2/NDF: 2233.6/49

All: 1.029+/-0.095 χ^2/NDF: 3885.2/101

- sign 0.982+/-0.136 χ^2/NDF: 1651.4/51

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.469+/-0.278 χ^2/NDF: 4275.5/24

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.226+/-0.251 χ^2/NDF: 5522.7/28

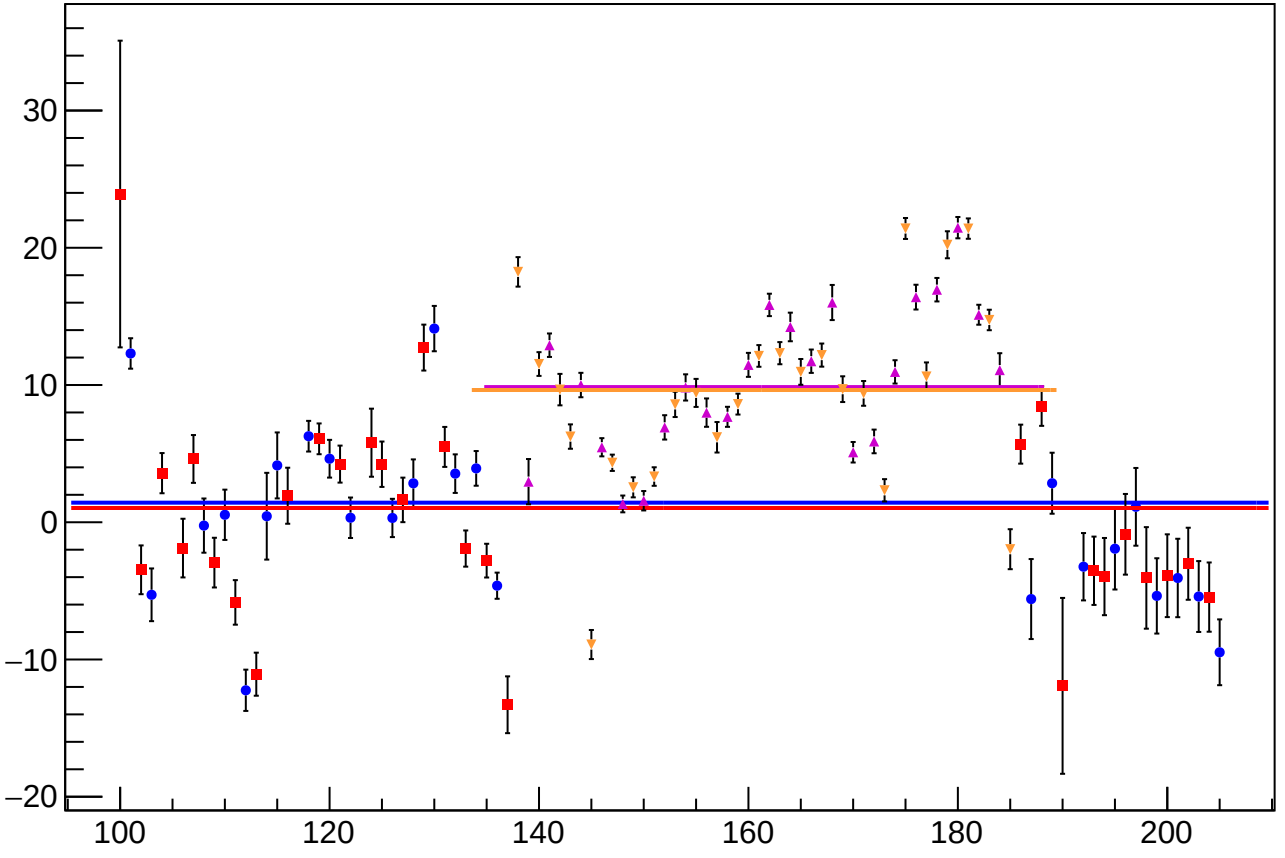
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 63.971+/-0.162 χ^2/NDF: 12014.3/49

All: 65.659+/-0.113 χ^2/NDF: 26446.0/101

- sign 67.269+/-0.158 χ^2/NDF: 14219.0/51

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.427+/-0.335 χ^2/NDF: 373.4/24

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.039+/-0.331 χ^2/NDF: 318.4/28

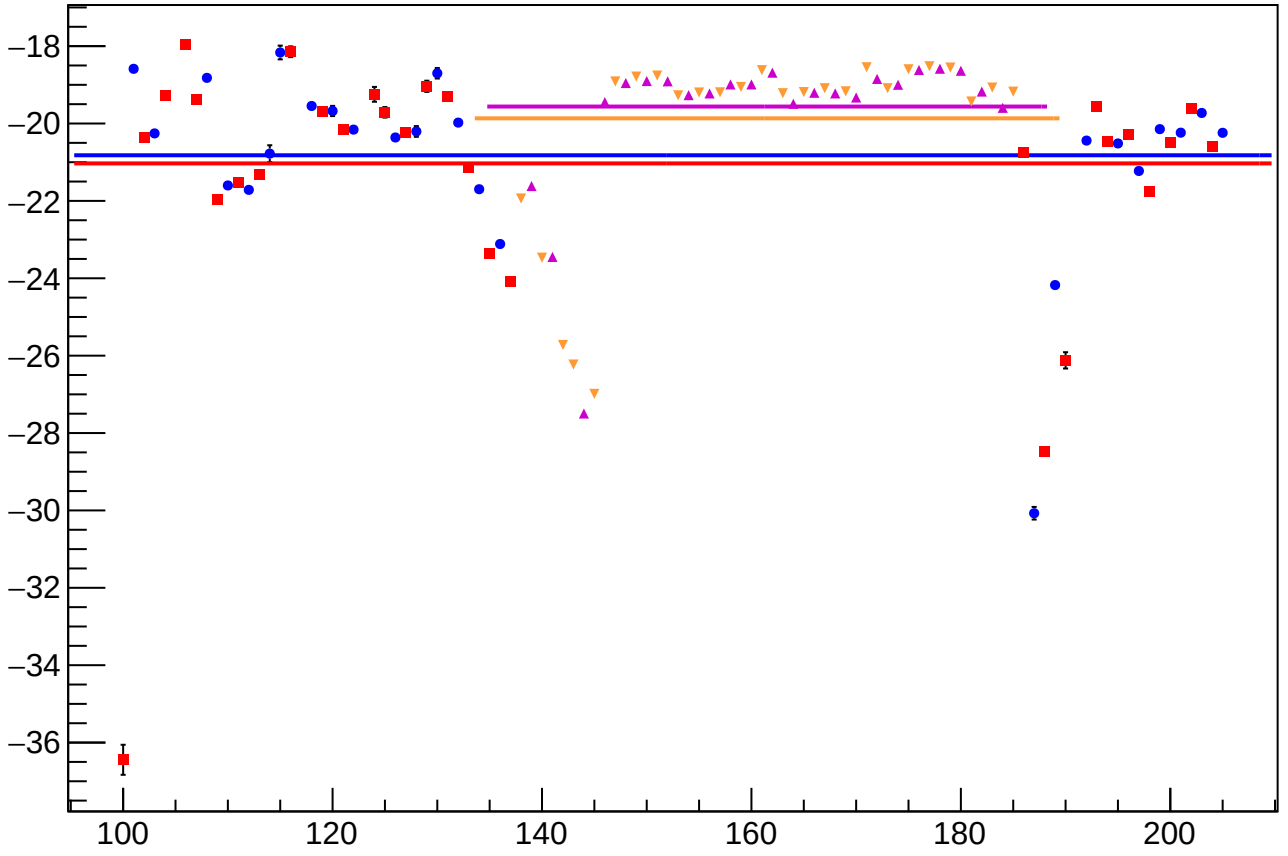
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.936+/-0.153 χ^2/NDF: 2339.9/49

All: 7.921+/-0.109 χ^2/NDF: 4202.4/101

- sign 7.905+/-0.156 χ^2/NDF: 1862.4/51

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.821+/-0.017 χ^2/NDF: 12241.5/24

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.031+/-0.017 χ^2/NDF: 20387.6/28

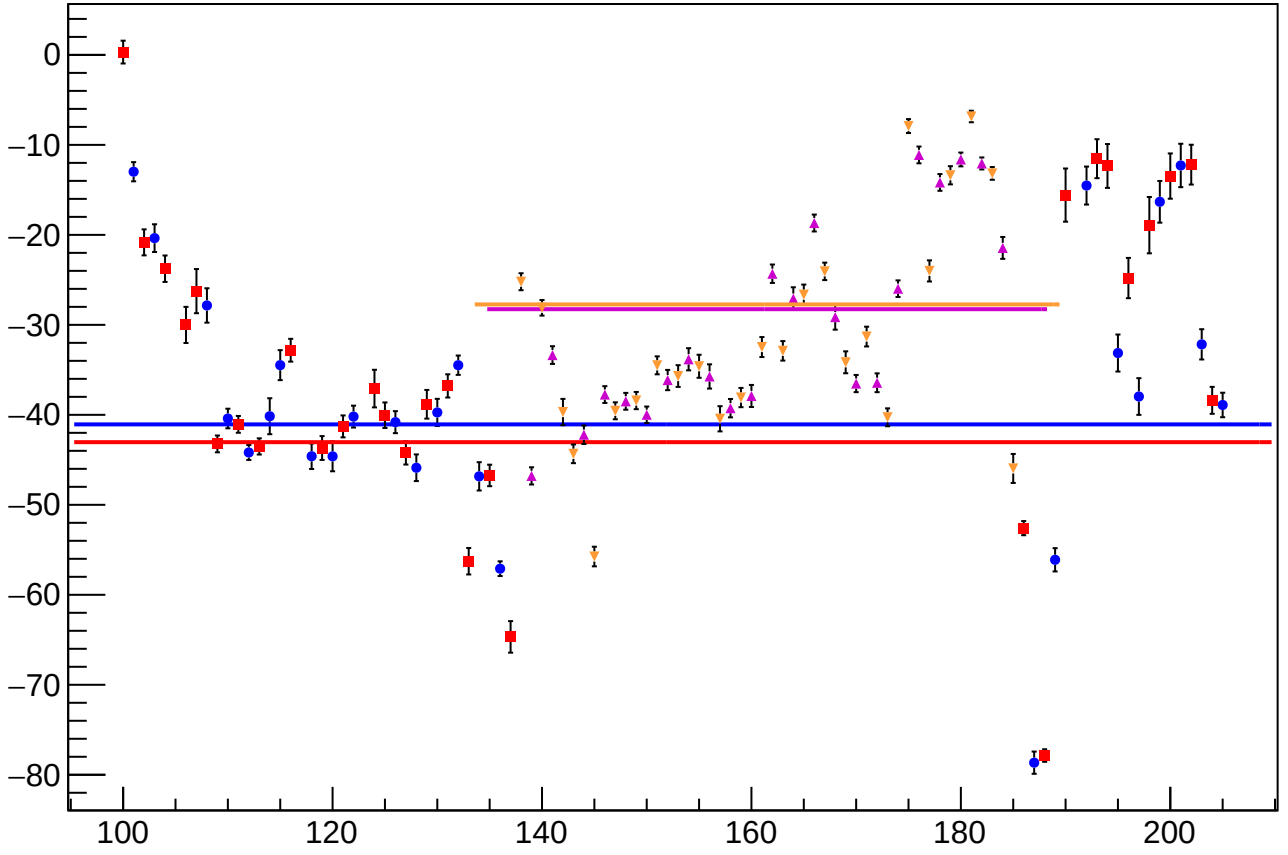
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.042+/-0.007 χ^2/NDF: 93860.3/49

All: -19.941+/-0.005 χ^2/NDF: 166233.6/101

- sign -19.837+/-0.007 χ^2/NDF: 71959.5/51

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -41.061+/-0.272 χ^2/NDF: 2933.2/24

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.037+/-0.246 χ^2/NDF: 5595.9/28

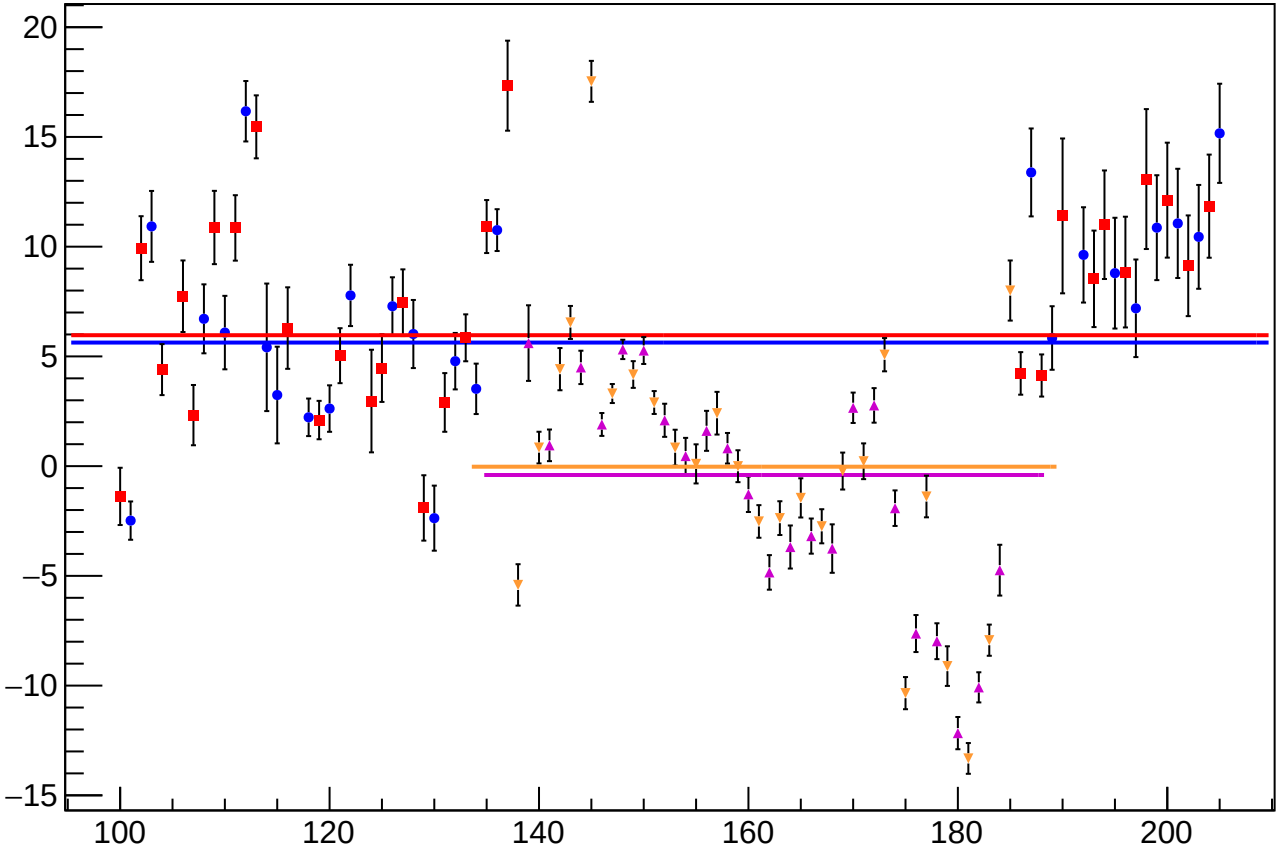
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.435+/-0.161 χ^2/NDF: 8789.6/49

All: -33.409+/-0.113 χ^2/NDF: 19744.2/101

- sign -34.343+/-0.158 χ^2/NDF: 10883.3/51

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.631+/-0.289 χ^2/NDF: 299.2/24

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.966+/-0.273 χ^2/NDF: 251.4/28

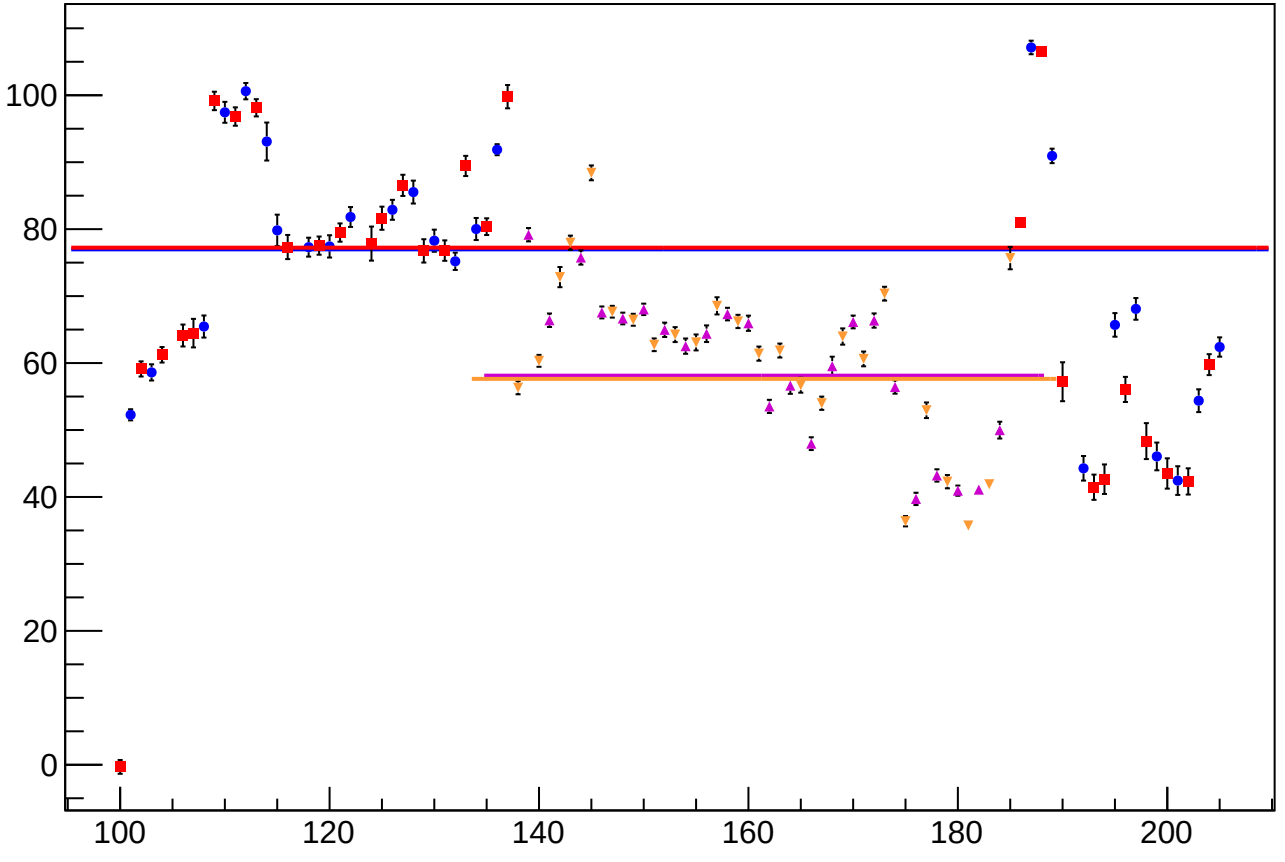
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.180+/-0.133 χ^2/NDF: 2133.0/49

All: 1.170+/-0.095 χ^2/NDF: 3880.4/101

- sign 1.159+/-0.135 χ^2/NDF: 1747.4/51

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.982+/-0.279 χ^2/NDF: 4320.7/24

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.233+/-0.244 χ^2/NDF: 11520.9/28

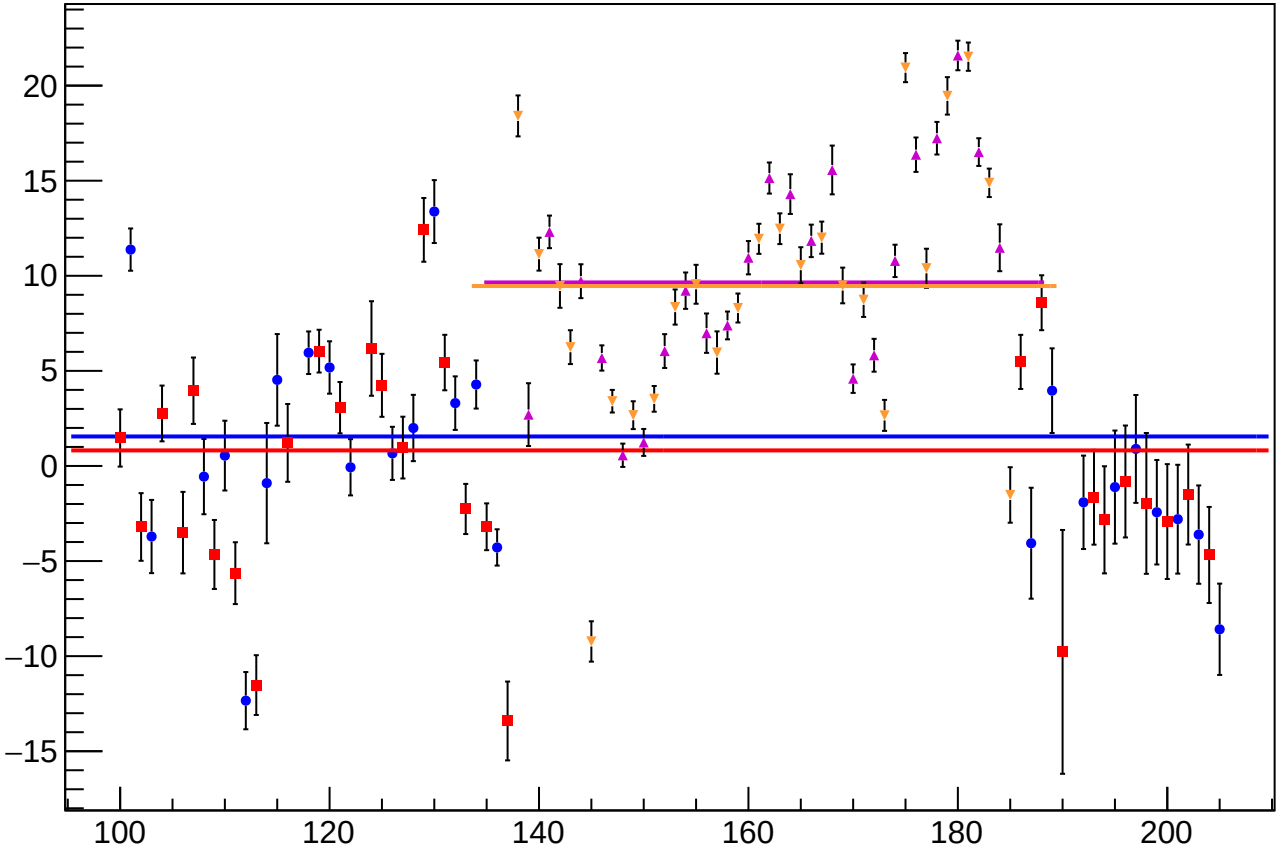
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.187+/-0.162 χ^2/NDF: 12123.6/49

All: 65.110+/-0.113 χ^2/NDF: 30763.5/101

- sign 65.970+/-0.156 χ^2/NDF: 18577.2/51

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.551+/-0.336 χ^2/NDF: 327.2/24

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.818+/-0.324 χ^2/NDF: 308.2/28

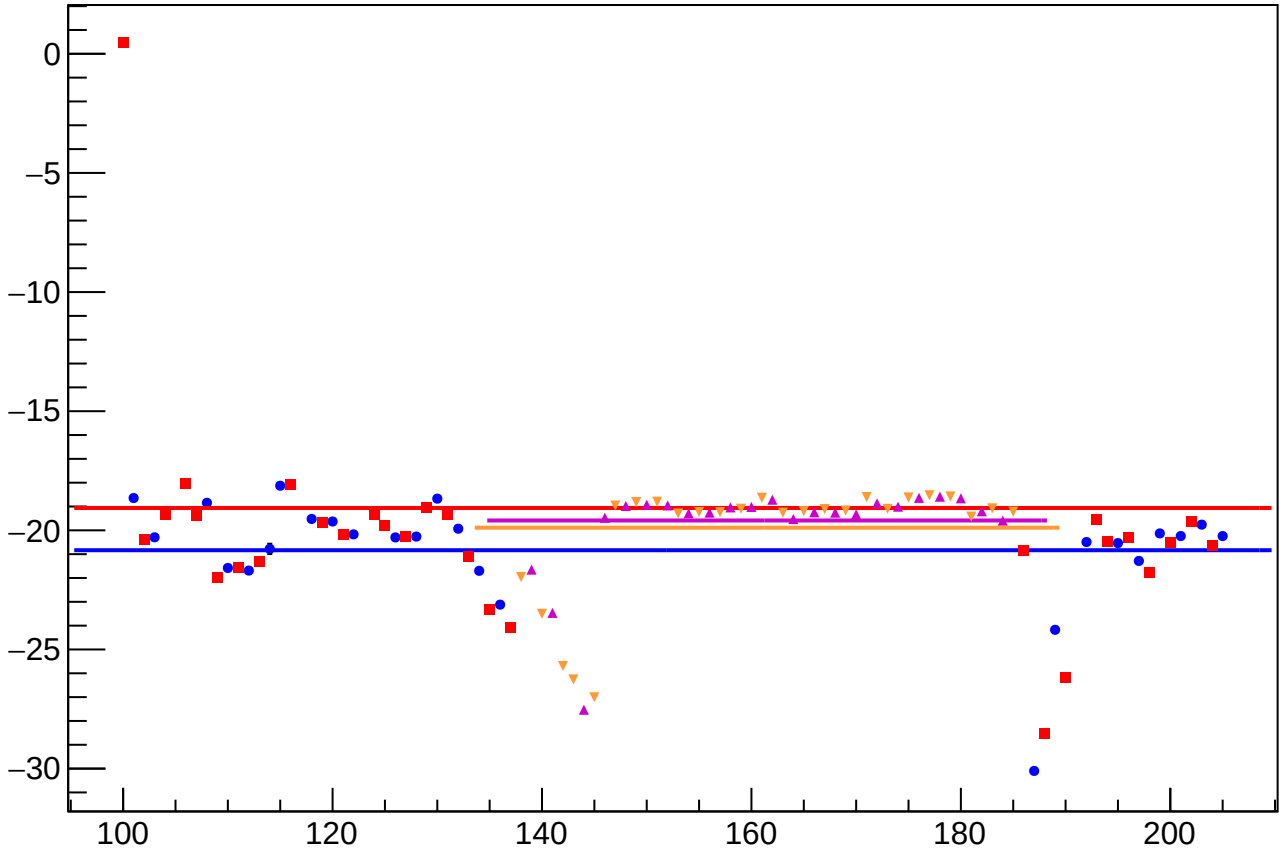
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 7.823+/-0.153 χ^2/NDF: 2250.1/49

All: 7.727+/-0.109 χ^2/NDF: 4210.1/101

\- sign 7.628+/-0.155 χ^2/NDF: 1959.2/51

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.835+/-0.017 χ^2/NDF: 12114.4/24

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.061+/-0.016 χ^2/NDF: 171850.9/28

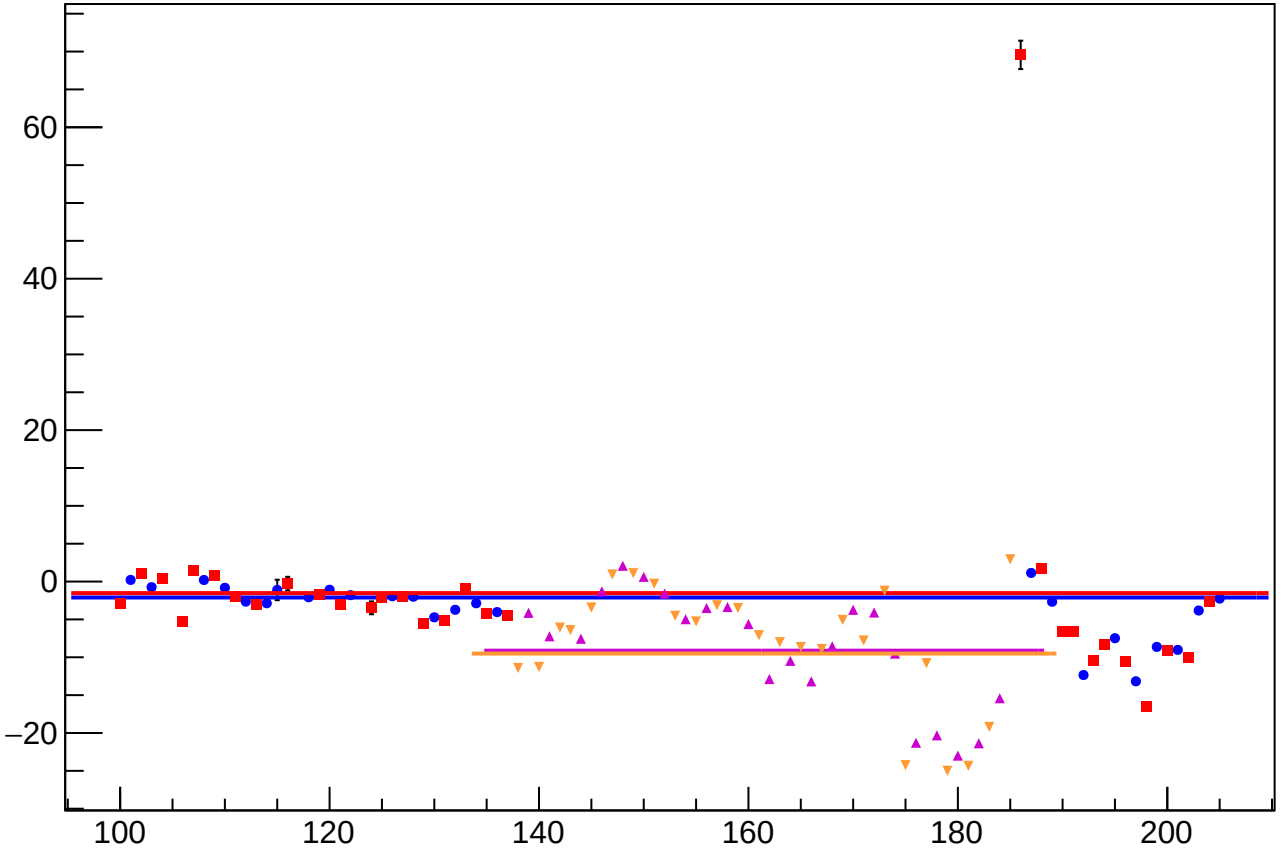
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.064+/-0.007 χ^2/NDF: 93294.3/49

All: -19.772+/-0.005 χ^2/NDF: 314473.8/101

- sign -19.480+/-0.007 χ^2/NDF: 217814.3/51

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.105+/-0.050 χ^2/NDF: 3310.3/24

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

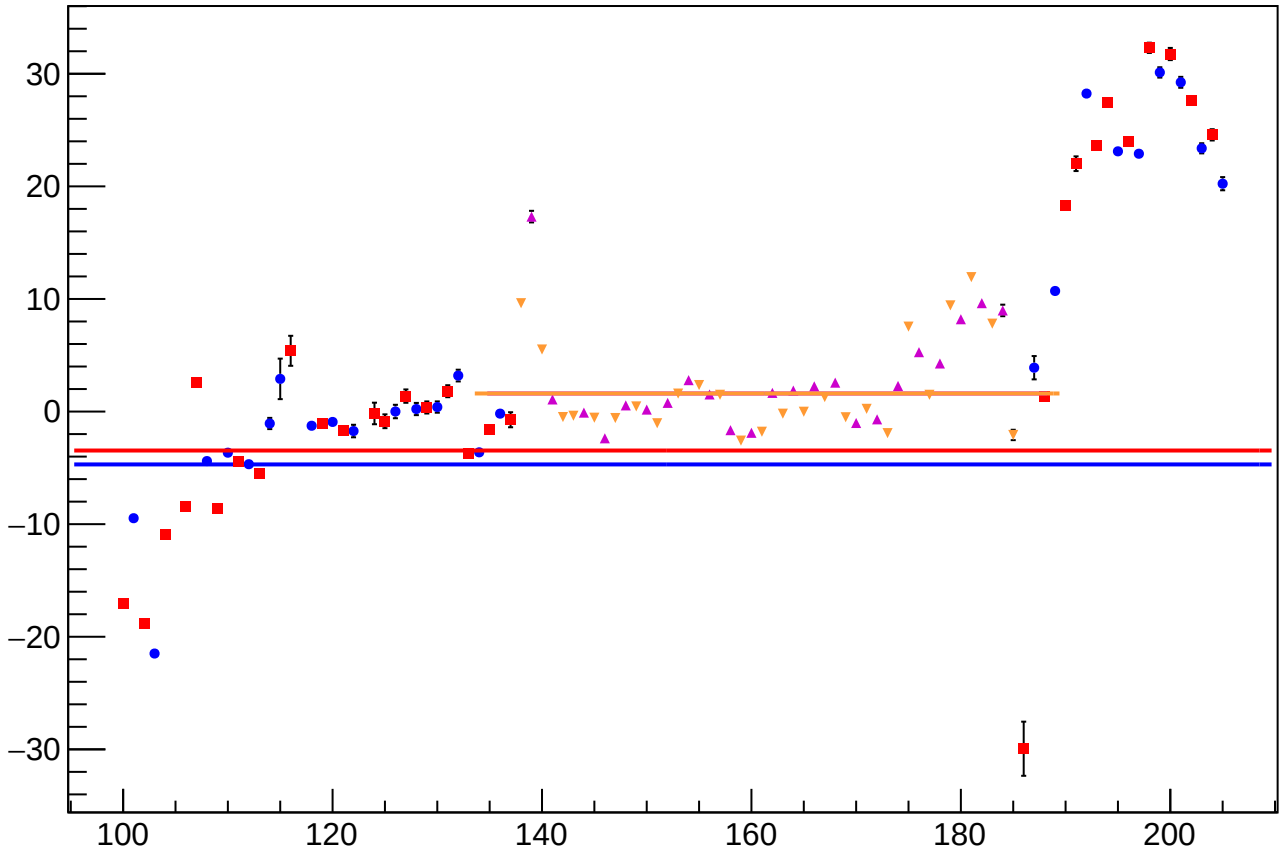
Right Out: -1.525+/-0.046 χ^2/NDF: 6866.7/29

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.504+/-0.041 χ^2/NDF: 23258.2/49

All: -4.039+/-0.028 χ^2/NDF: 48253.2/102

- sign -3.620+/-0.039 χ^2/NDF: 24754.5/52



Right In: -4.695+/-0.053 χ^2/NDF: 54151.7/24

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.460+/-0.053 χ^2/NDF: 60483.9/29

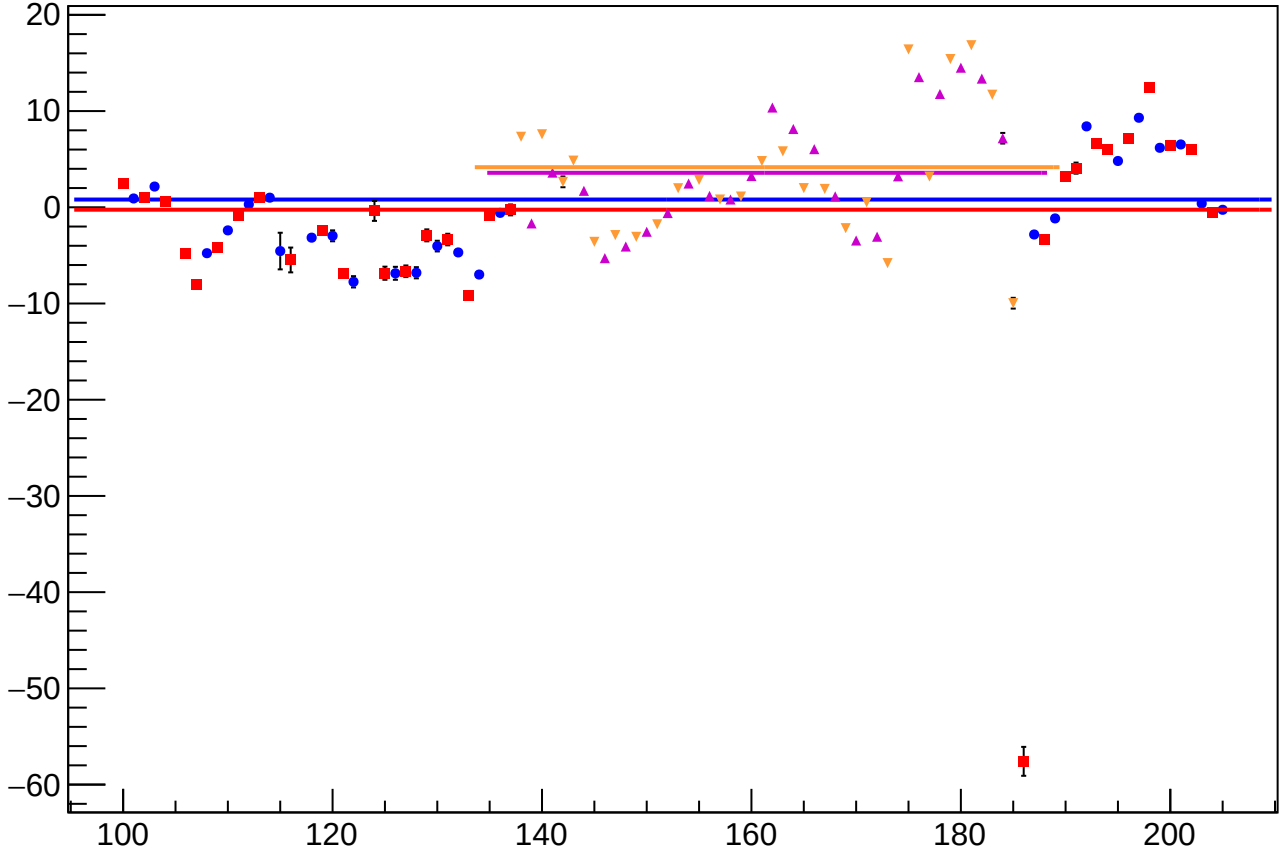
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -1.656+/-0.038 χ^2/NDF: 65580.7/49

All: -1.413+/-0.027 χ^2/NDF: 134018.0/102

\- sign -1.164+/-0.039 χ^2/NDF: 68355.7/52

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.806+/-0.048 χ^2/NDF: 4153.3/24

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.250+/-0.047 χ^2/NDF: 8121.7/29

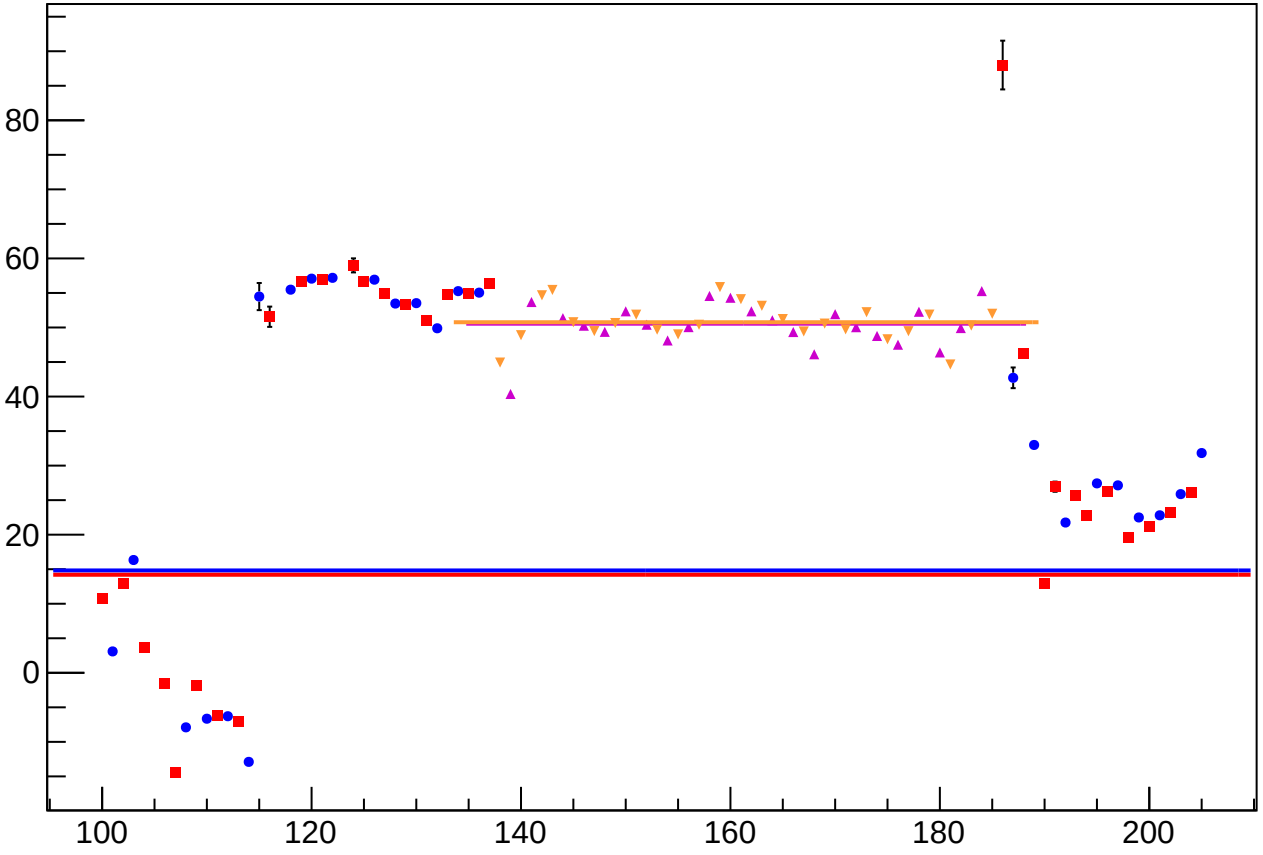
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.847+/-0.040 χ^2/NDF: 14899.6/49

All: 1.333+/-0.028 χ^2/NDF: 32497.7/102

- sign 0.837+/-0.039 χ^2/NDF: 17275.8/52

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.820+/-0.063 χ^2/NDF: 113906.0/24

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.198+/-0.062 χ^2/NDF: 129764.1/29

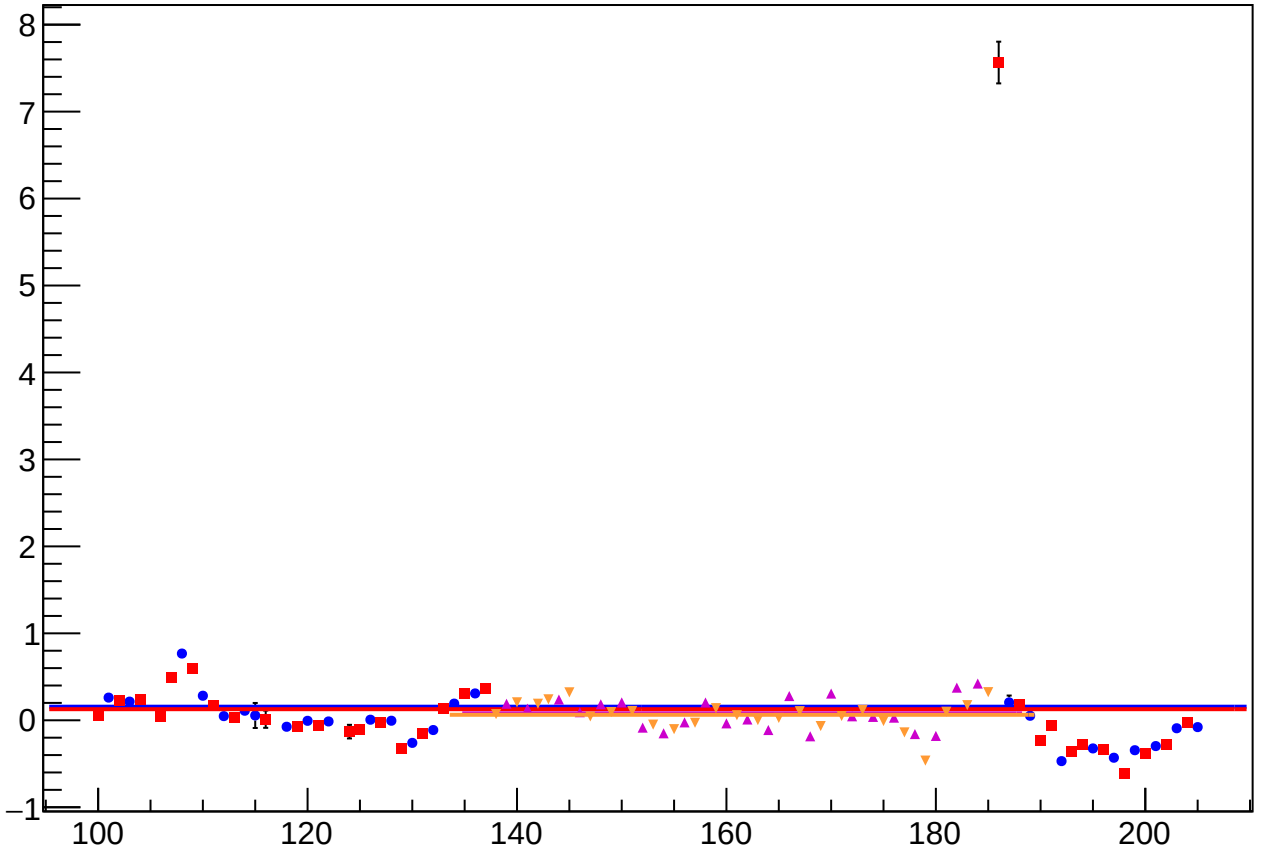
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.076+/-0.044 χ^2/NDF: 278691.4/49

All: 32.400+/-0.032 χ^2/NDF: 573899.4/102

- sign 31.710+/-0.045 χ^2/NDF: 294741.4/52

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.156+/-0.003 χ^2/NDF: 12639.7/24

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.128+/-0.002 χ^2/NDF: 12529.5/29

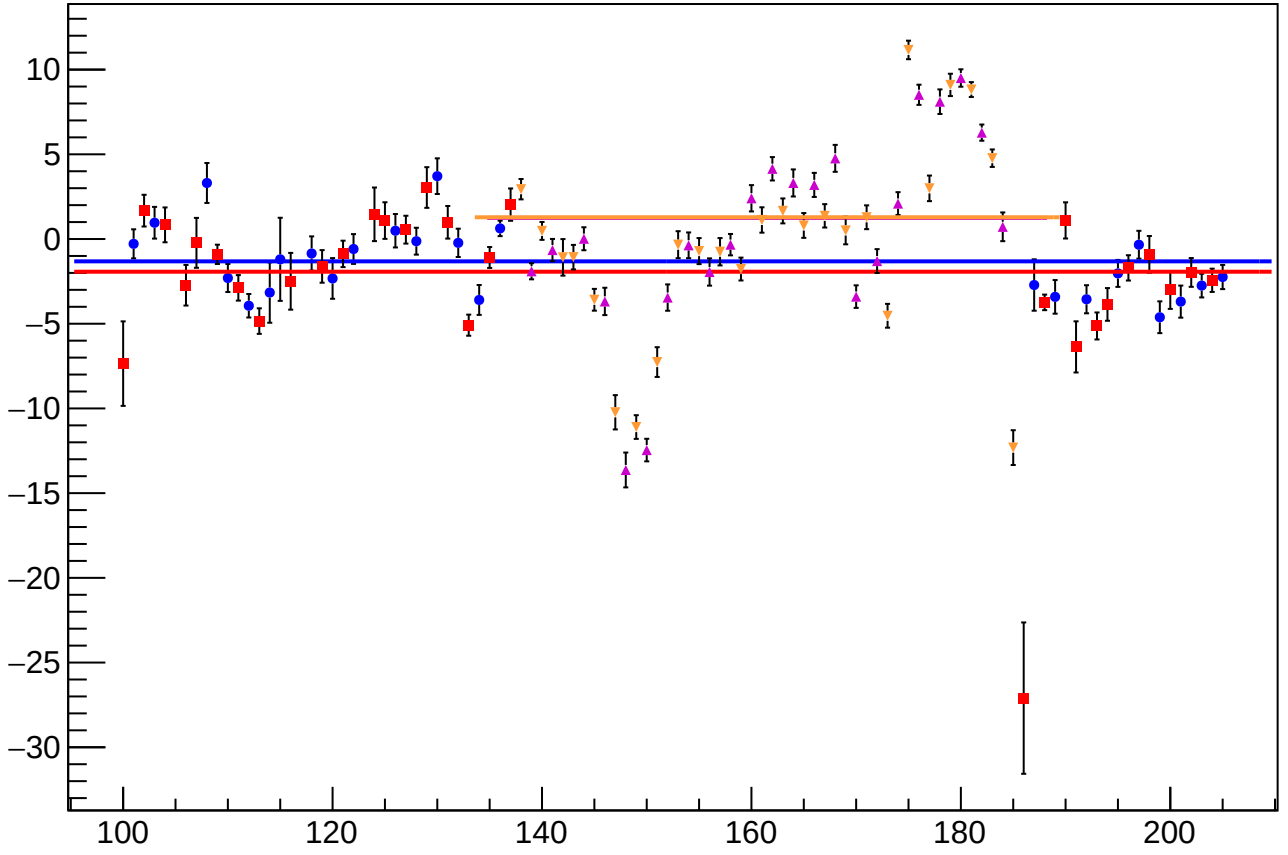
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.115+/-0.002 χ^2/NDF: 15819.6/49

All: 0.111+/-0.001 χ^2/NDF: 31970.3/102

- sign 0.107+/-0.002 χ^2/NDF: 16142.7/52

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.318+/-0.173 χ^2/NDF: 135.4/24

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.930+/-0.159 χ^2/NDF: 229.5/29

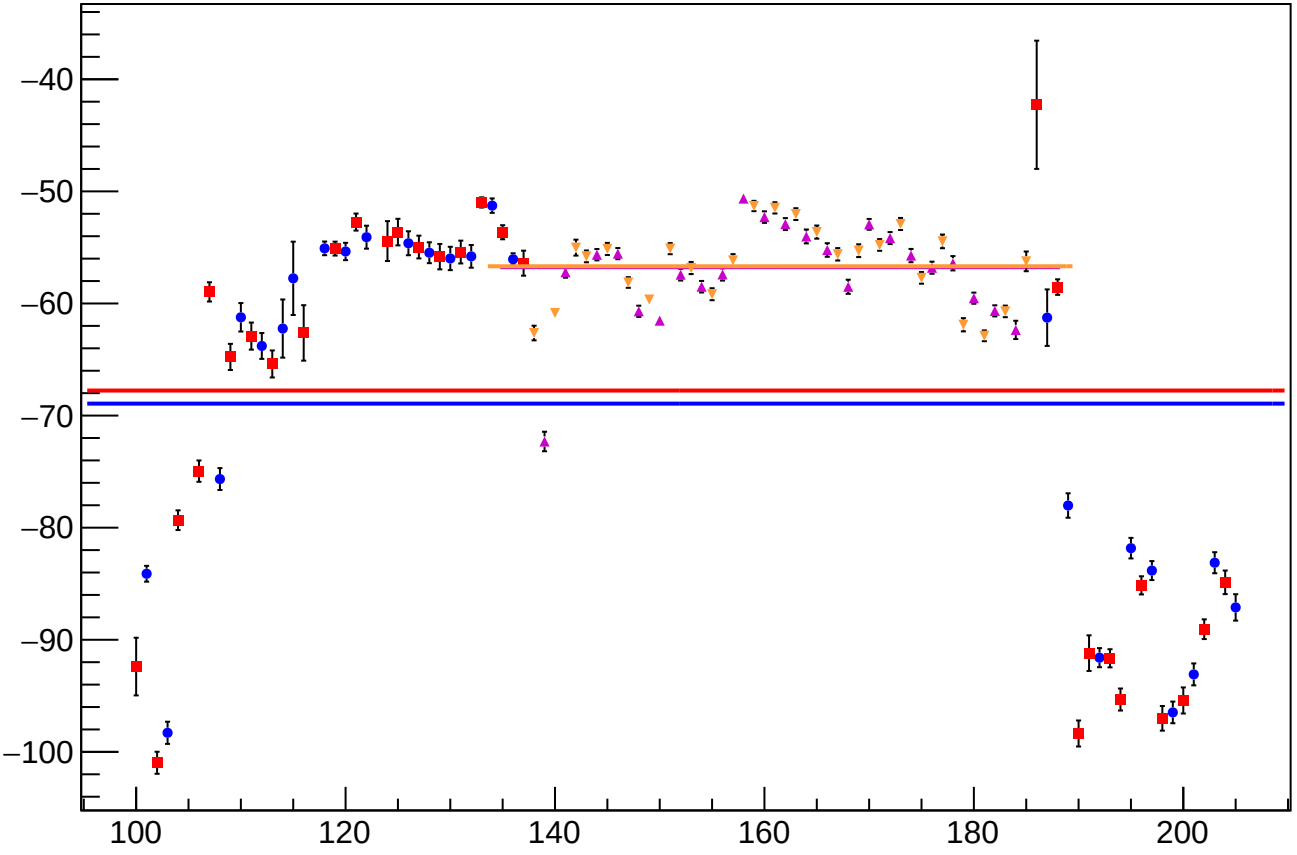
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.280+/-0.107 χ^2/NDF: 1989.9/49

All: 0.063+/-0.075 χ^2/NDF: 3964.3/102

- sign -0.146+/-0.105 χ^2/NDF: 1966.3/52

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -68.934+/-0.183 χ^2/NDF: 7728.9/24

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.766+/-0.170 χ^2/NDF: 10334.9/29

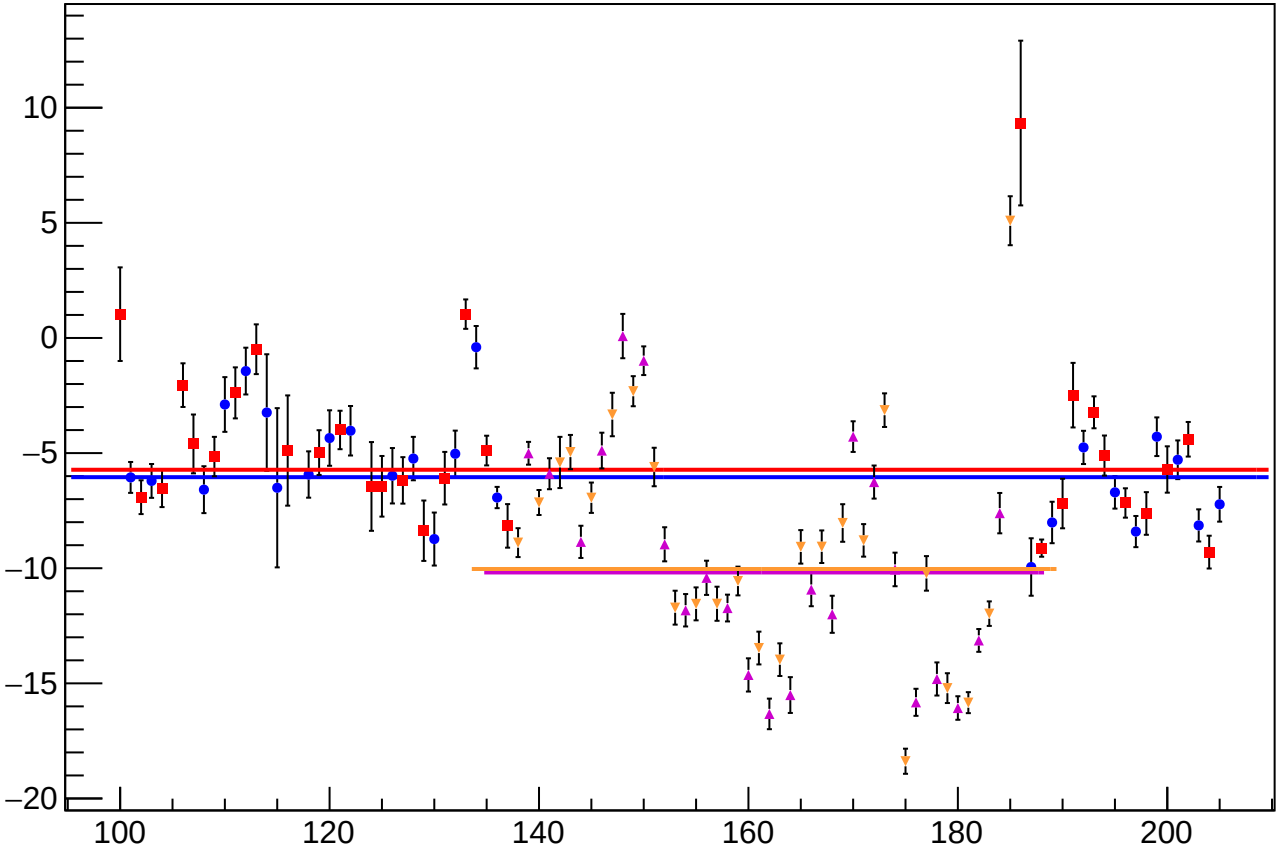
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.805+/-0.093 χ^2/NDF: 12074.9/49

All: -59.945+/-0.066 χ^2/NDF: 26439.1/102

- sign -60.088+/-0.094 χ^2/NDF: 14359.6/52

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.046+/-0.173 χ^2/NDF: 130.7/24

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.723+/-0.157 χ^2/NDF: 352.7/29

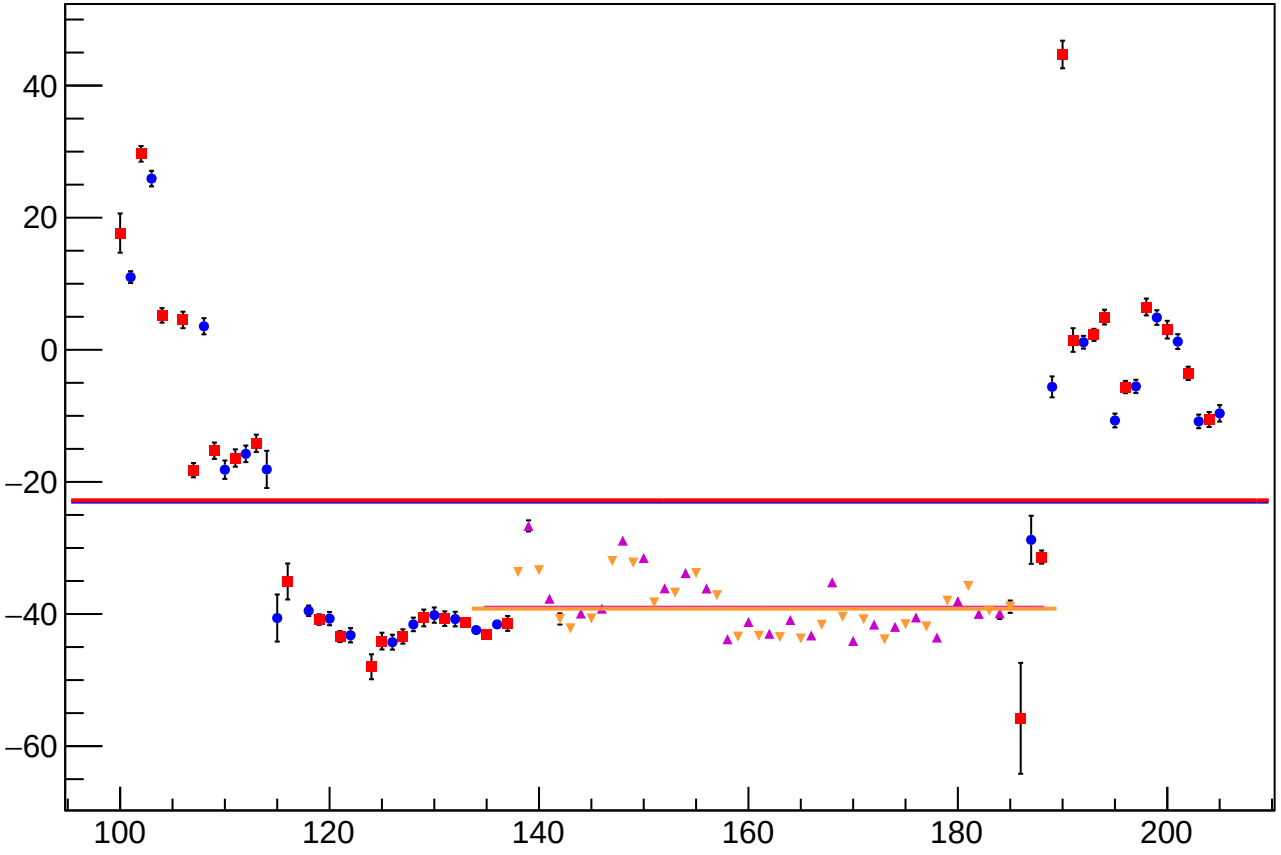
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.504+/-0.107 χ^2/NDF: 1641.9/49

All: -8.359+/-0.075 χ^2/NDF: 3593.1/102

- sign -8.222+/-0.104 χ^2/NDF: 1947.6/52

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.983+/-0.210 χ^2/NDF: 10405.0/24

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.789+/-0.199 χ^2/NDF: 12573.0/29

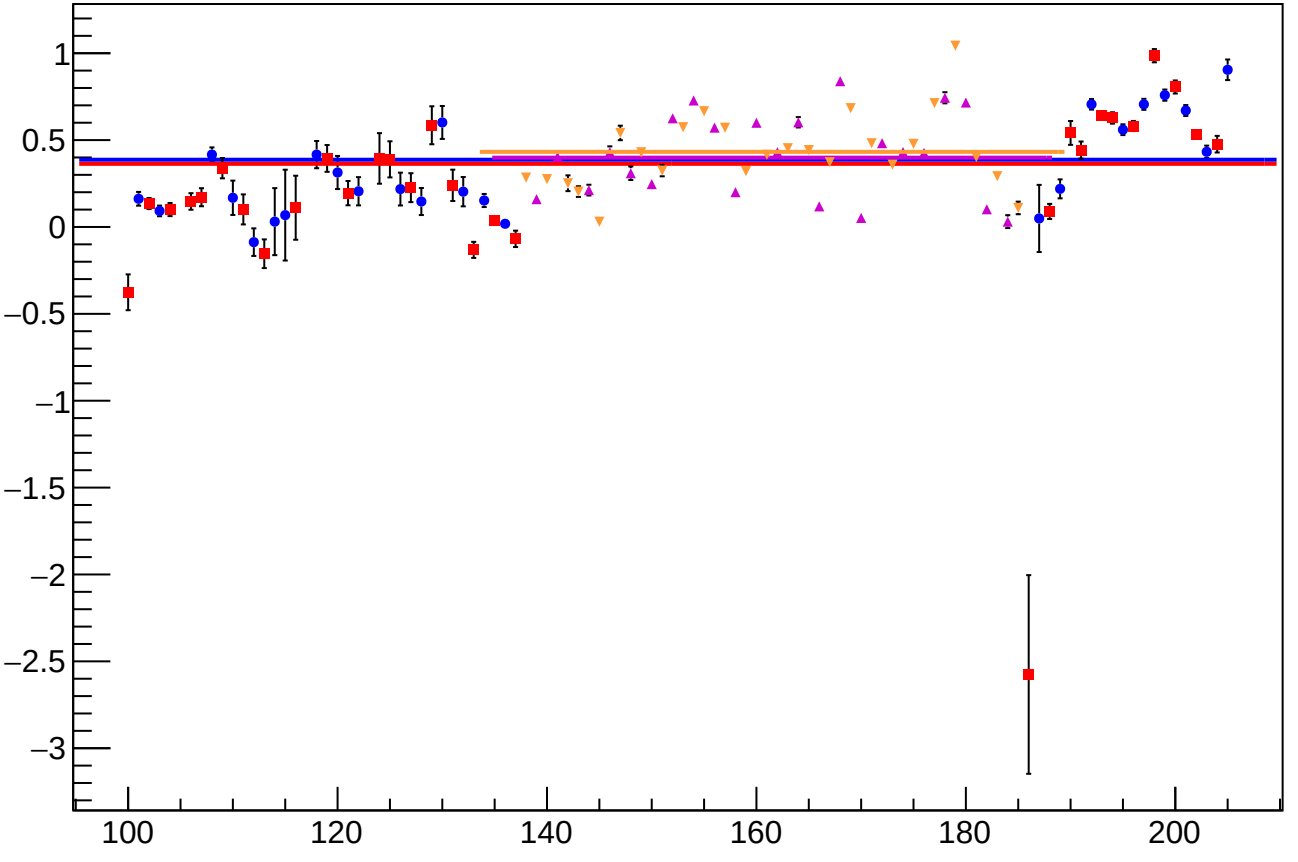
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.192+/-0.104 χ^2/NDF: 15928.5/49

All: -34.839+/-0.074 χ^2/NDF: 34559.6/102

- sign -34.478+/-0.105 χ^2/NDF: 18607.8/52

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.387+/-0.009 χ^2/NDF: 1076.6/24

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.363+/-0.008 χ^2/NDF: 1350.8/29

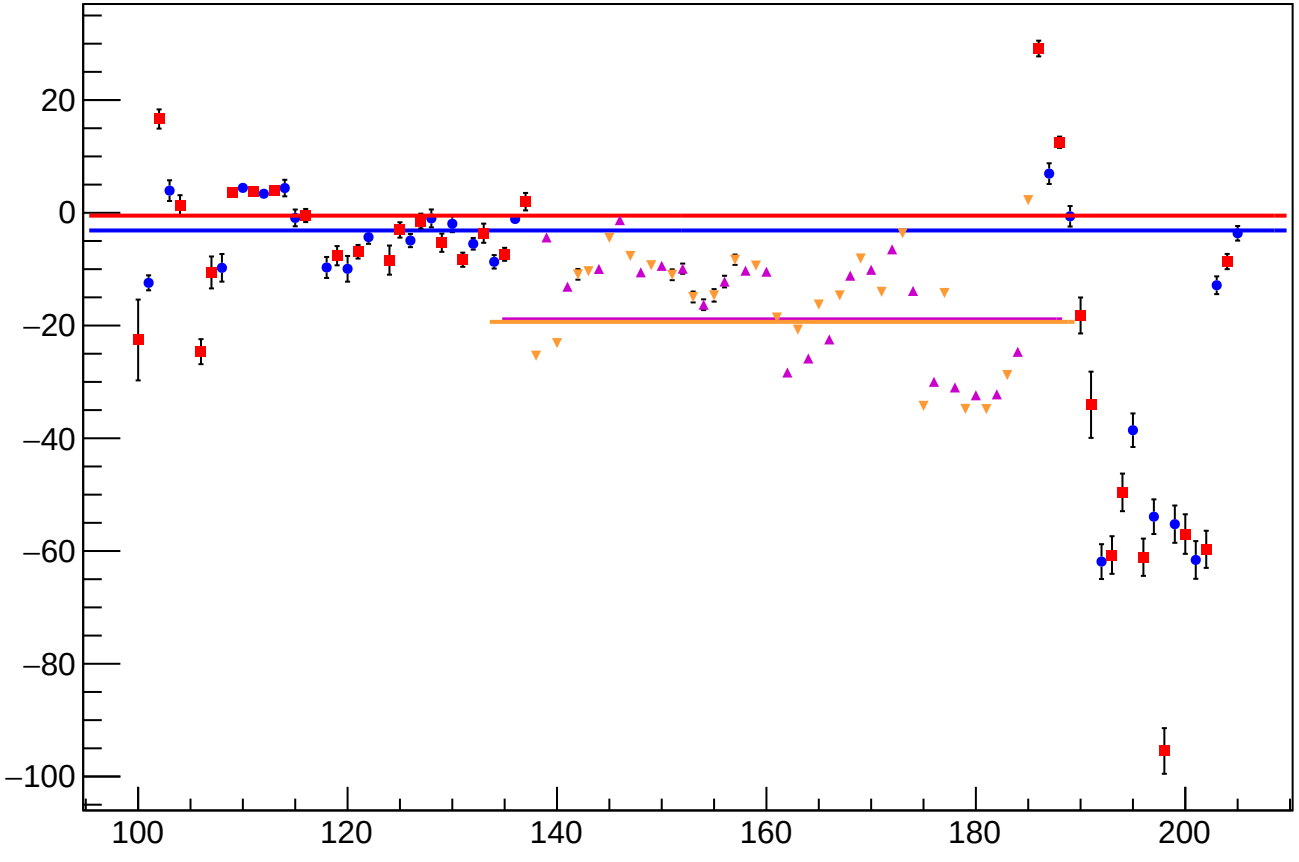
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.420+/-0.005 χ^2/NDF: 2464.7/49

All: 0.404+/-0.003 χ^2/NDF: 5776.3/102

- sign 0.389+/-0.005 χ^2/NDF: 3287.3/52

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.136+/-0.260 χ^2/NDF: 1783.6/24

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.506+/-0.244 χ^2/NDF: 3257.4/29

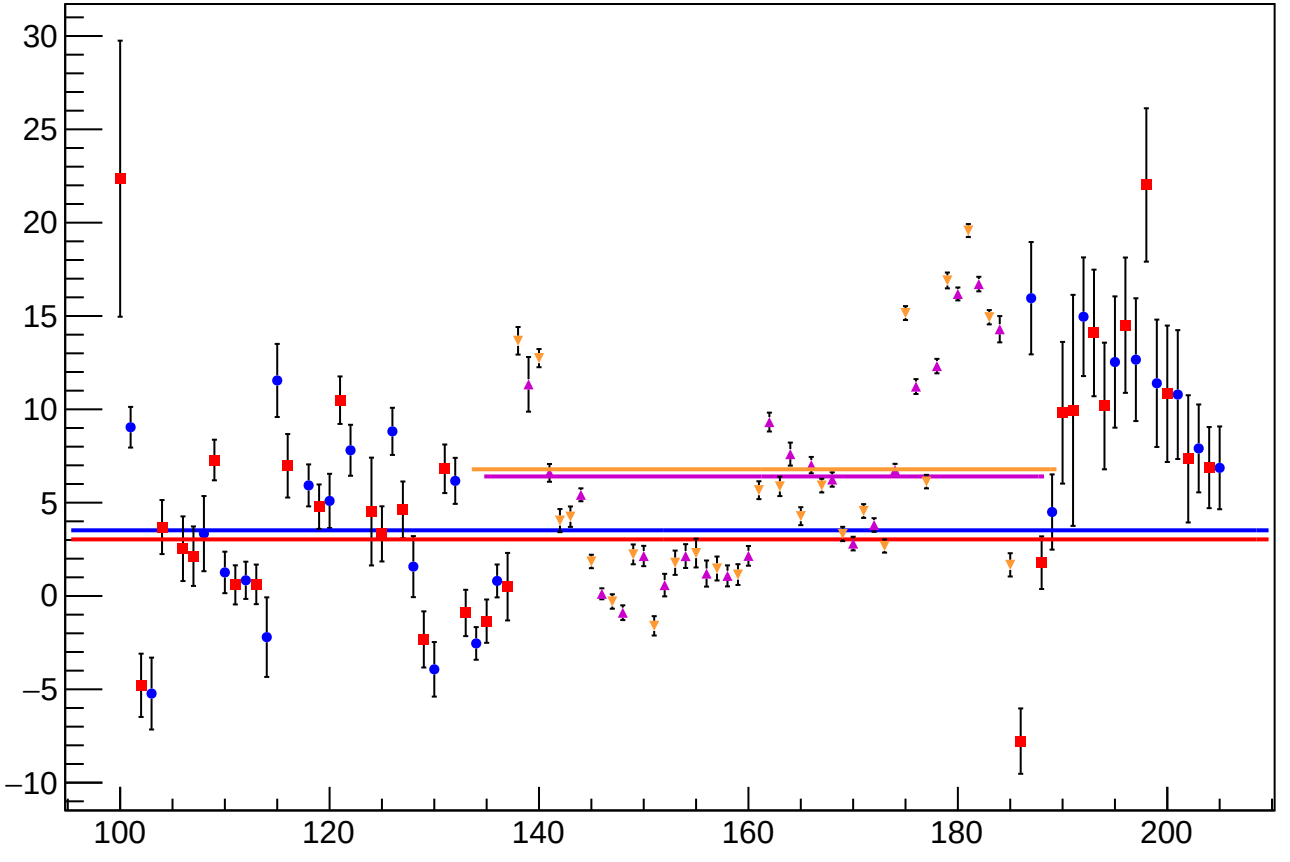
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

\+ sign -16.756+/-0.104 χ^2/NDF: 15446.7/49

All: -16.135+/-0.074 χ^2/NDF: 31698.0/102

\- sign -15.503+/-0.105 χ^2/NDF: 16179.2/52

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.519+/-0.297 χ^2/NDF: 264.6/24

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

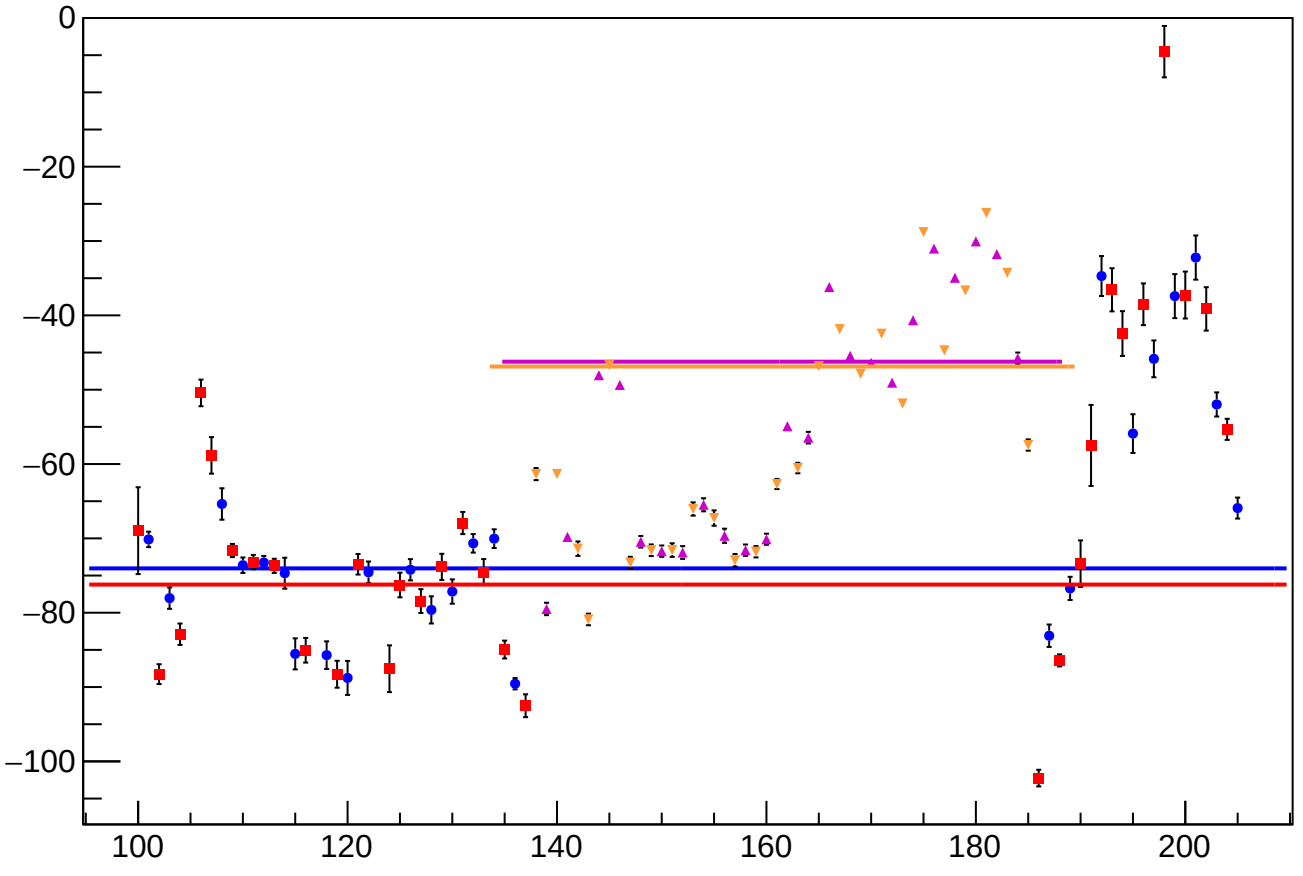
Right Out: 3.032+/-0.298 χ^2/NDF: 244.4/29

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.512+/-0.086 χ^2/NDF: 5008.3/49

All: 6.316+/-0.061 χ^2/NDF: 8790.3/102

- sign 6.116+/-0.087 χ^2/NDF: 3771.6/52



Right In: -74.036+/-0.291 χ^2/NDF: 1592.8/24

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.215+/-0.279 χ^2/NDF: 2861.5/29

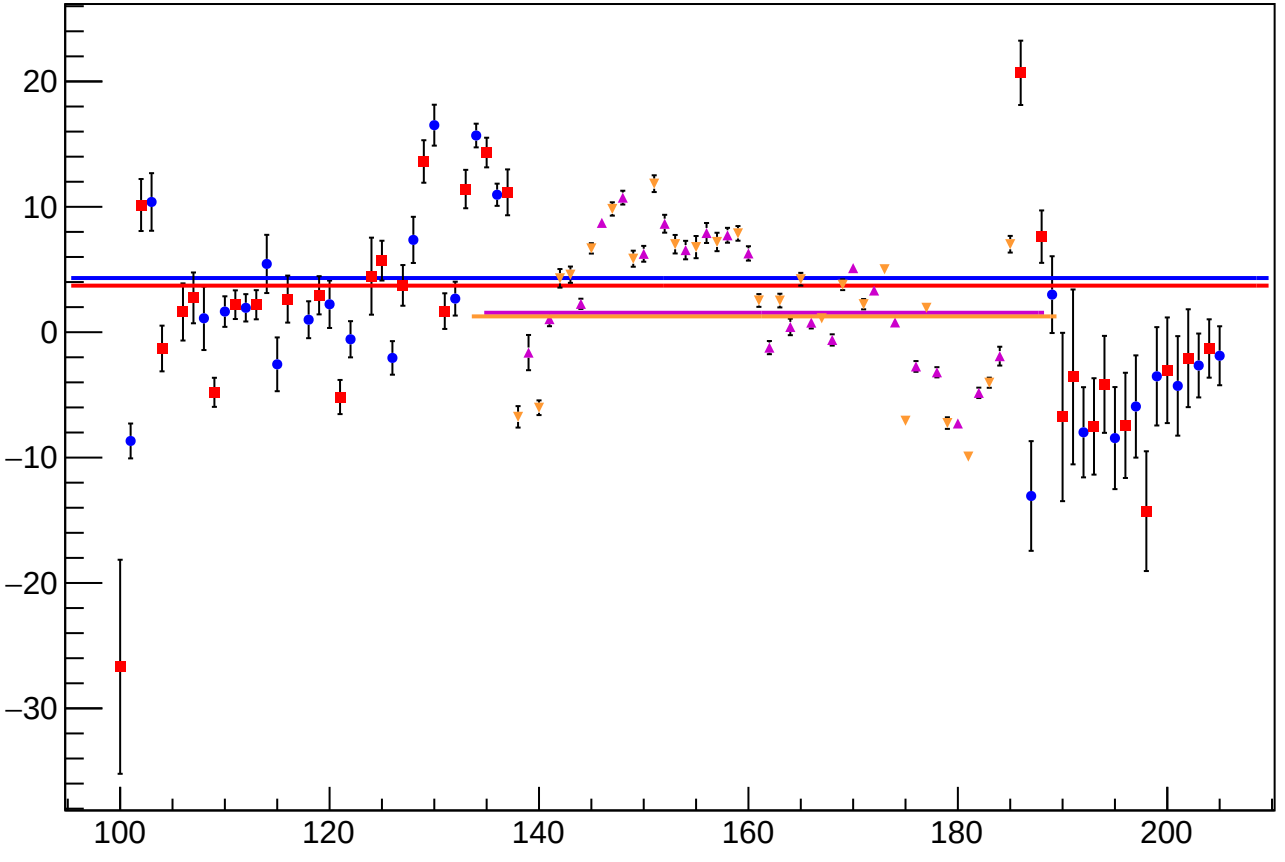
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.488+/-0.106 χ^2/NDF: 27113.5/49

All: -50.582+/-0.075 χ^2/NDF: 55010.9/102

- sign -50.679+/-0.107 χ^2/NDF: 27895.8/52

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.320+/-0.333 χ^2/NDF: 484.7/24

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.714+/-0.341 χ^2/NDF: 385.8/29

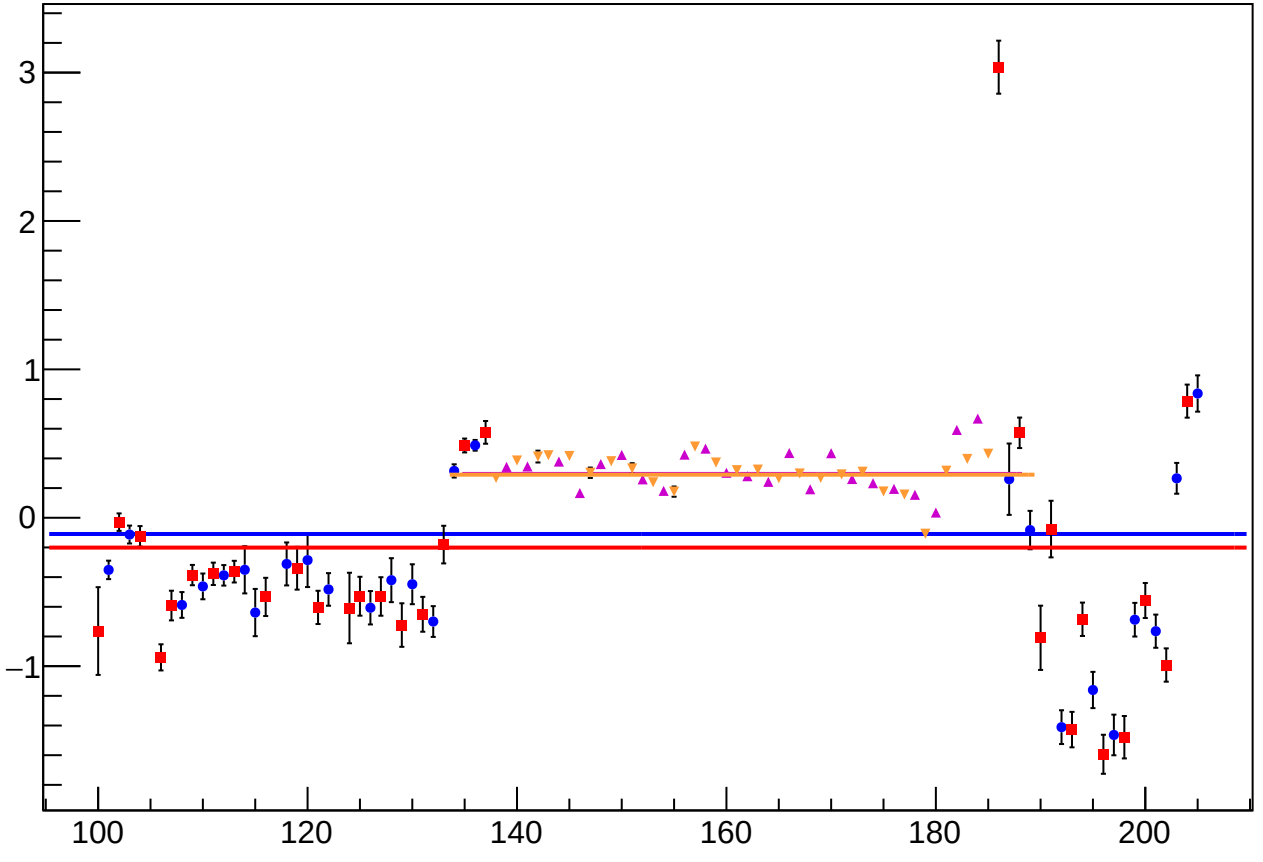
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.516+/-0.096 χ^2/NDF: 4007.5/49

All: 1.621+/-0.069 χ^2/NDF: 6768.5/102

- sign 1.729+/-0.098 χ^2/NDF: 2758.5/52

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.109+/-0.017 χ^2/NDF: 970.4/24

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.201+/-0.018 χ^2/NDF: 1346.6/29

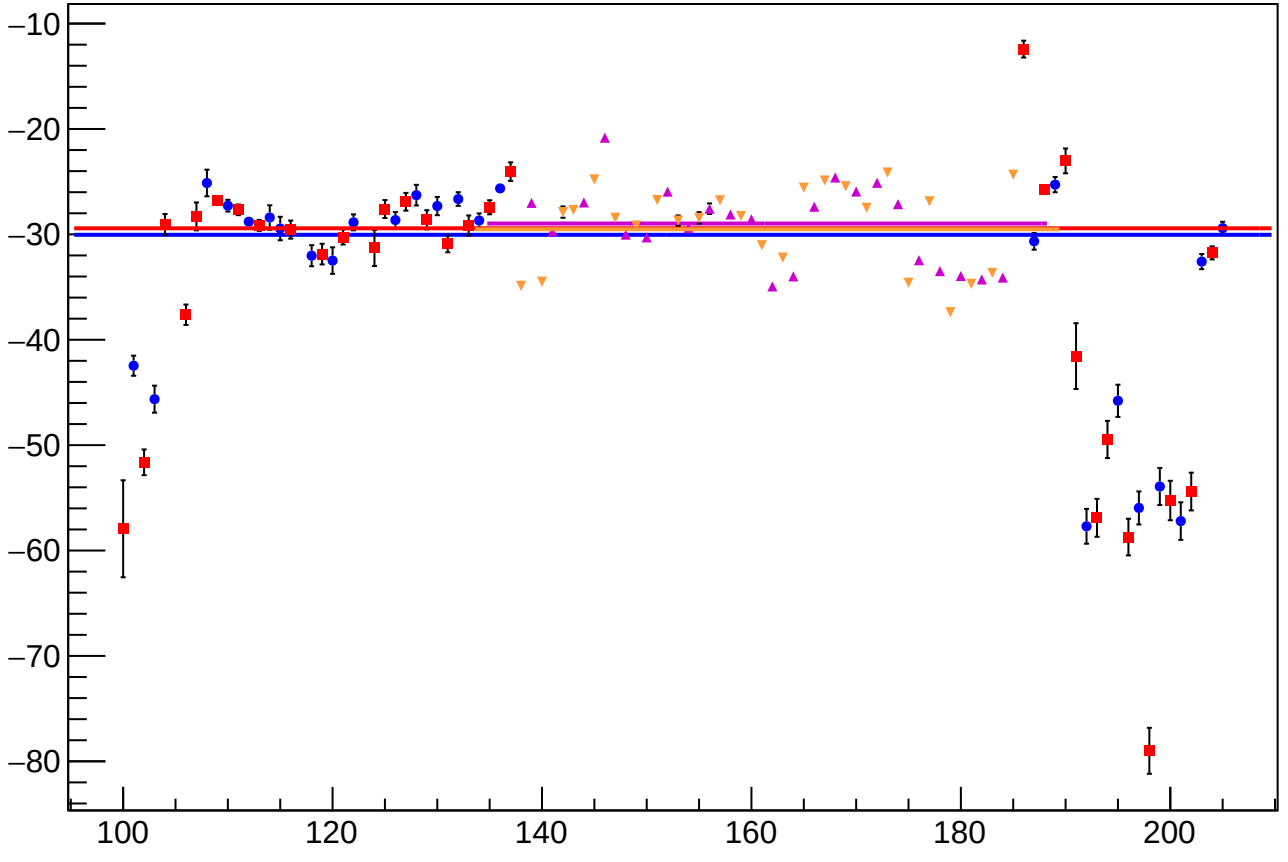
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.265+/-0.004 χ^2/NDF: 2195.2/49

All: 0.265+/-0.003 χ^2/NDF: 5296.9/102

- sign 0.265+/-0.004 χ^2/NDF: 3101.6/52

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.042+/-0.160 χ^2/NDF: 1674.1/24

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.426+/-0.154 χ^2/NDF: 2687.1/29

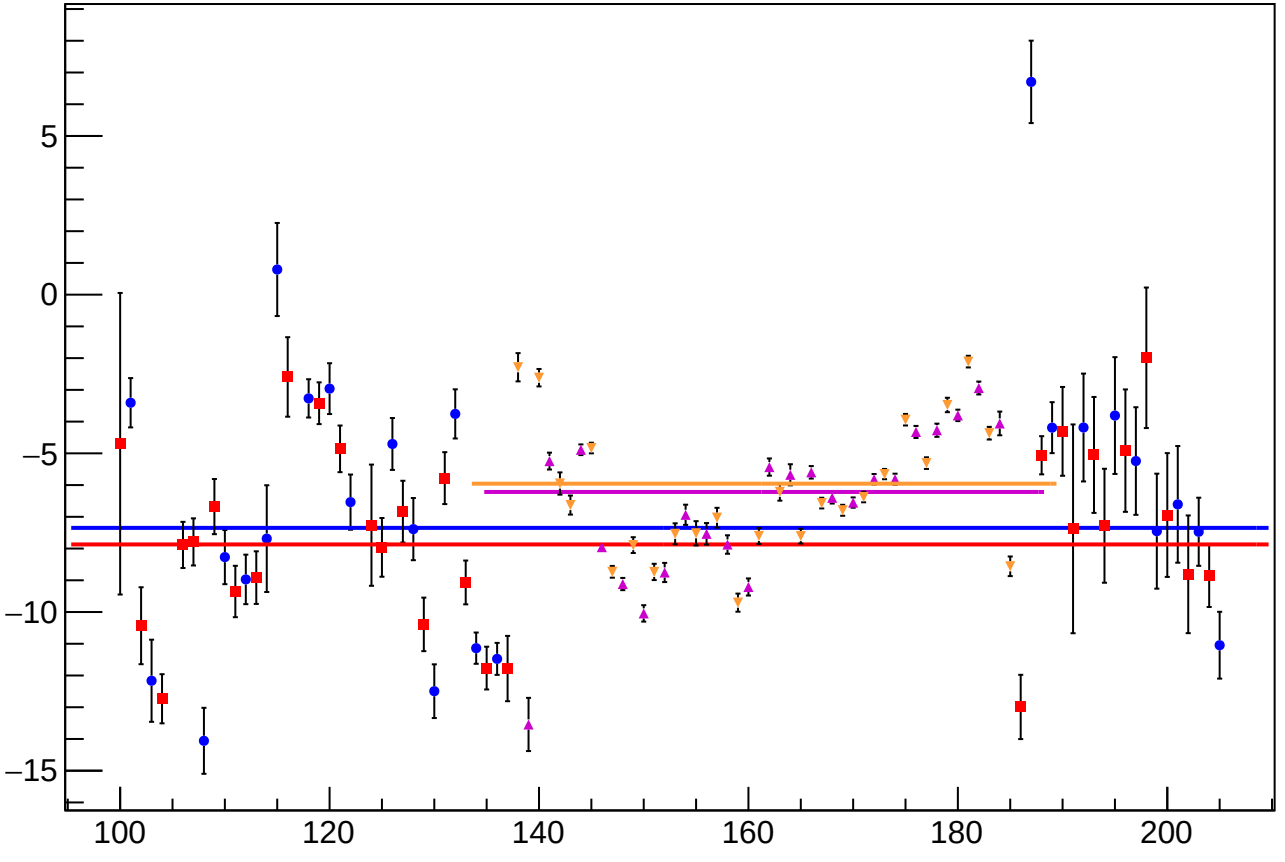
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.574+/-0.053 χ^2/NDF: 7772.2/49

All: -29.301+/-0.038 χ^2/NDF: 15868.5/102

- sign -29.026+/-0.053 χ^2/NDF: 8043.4/52

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.349+/-0.177 χ^2/NDF: 543.3/24

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.871+/-0.174 χ^2/NDF: 266.3/29

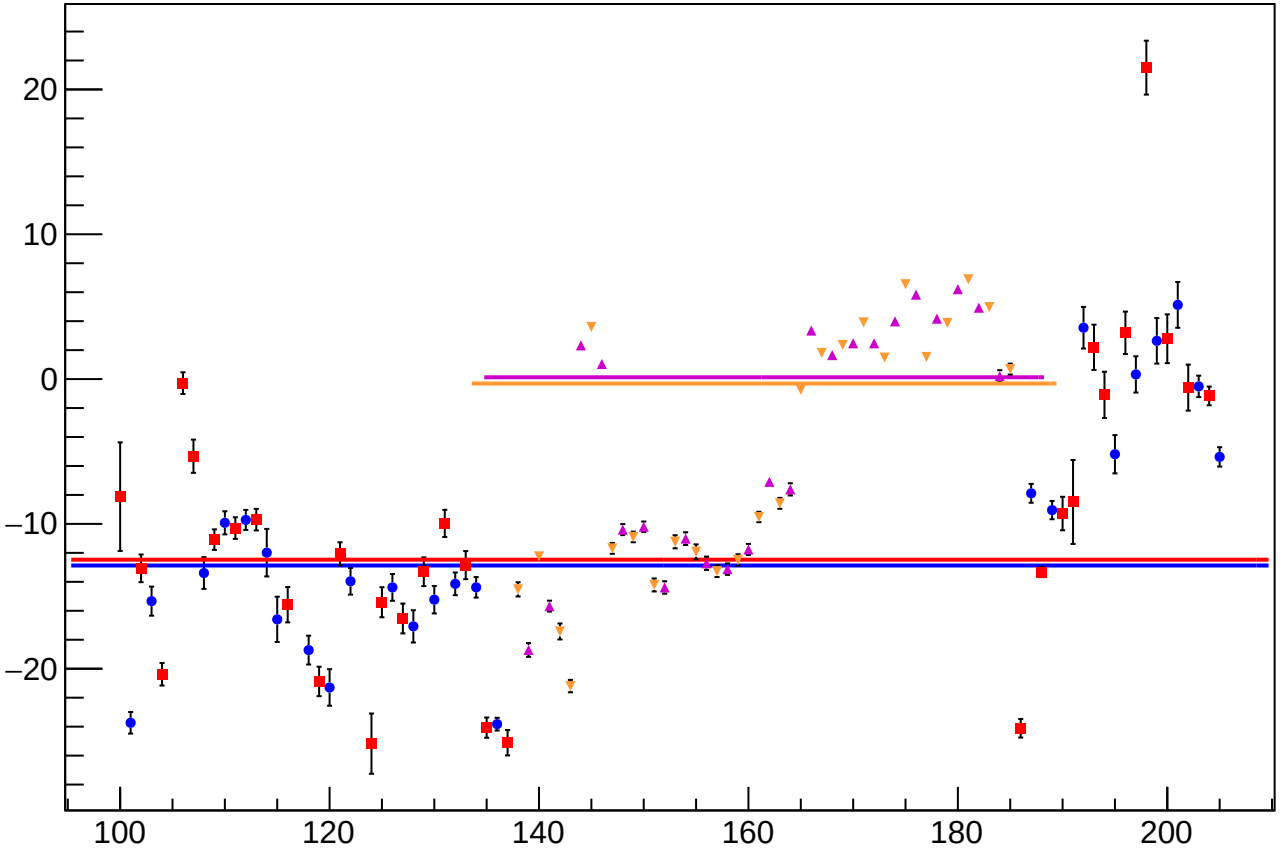
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.038+/-0.043 χ^2/NDF: 2459.2/49

All: -6.178+/-0.030 χ^2/NDF: 4572.6/102

- sign -6.316+/-0.043 χ^2/NDF: 2092.5/52

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -12.872+/-0.171 χ^2/NDF: 1998.4/24

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.471+/-0.160 χ^2/NDF: 2436.2/29

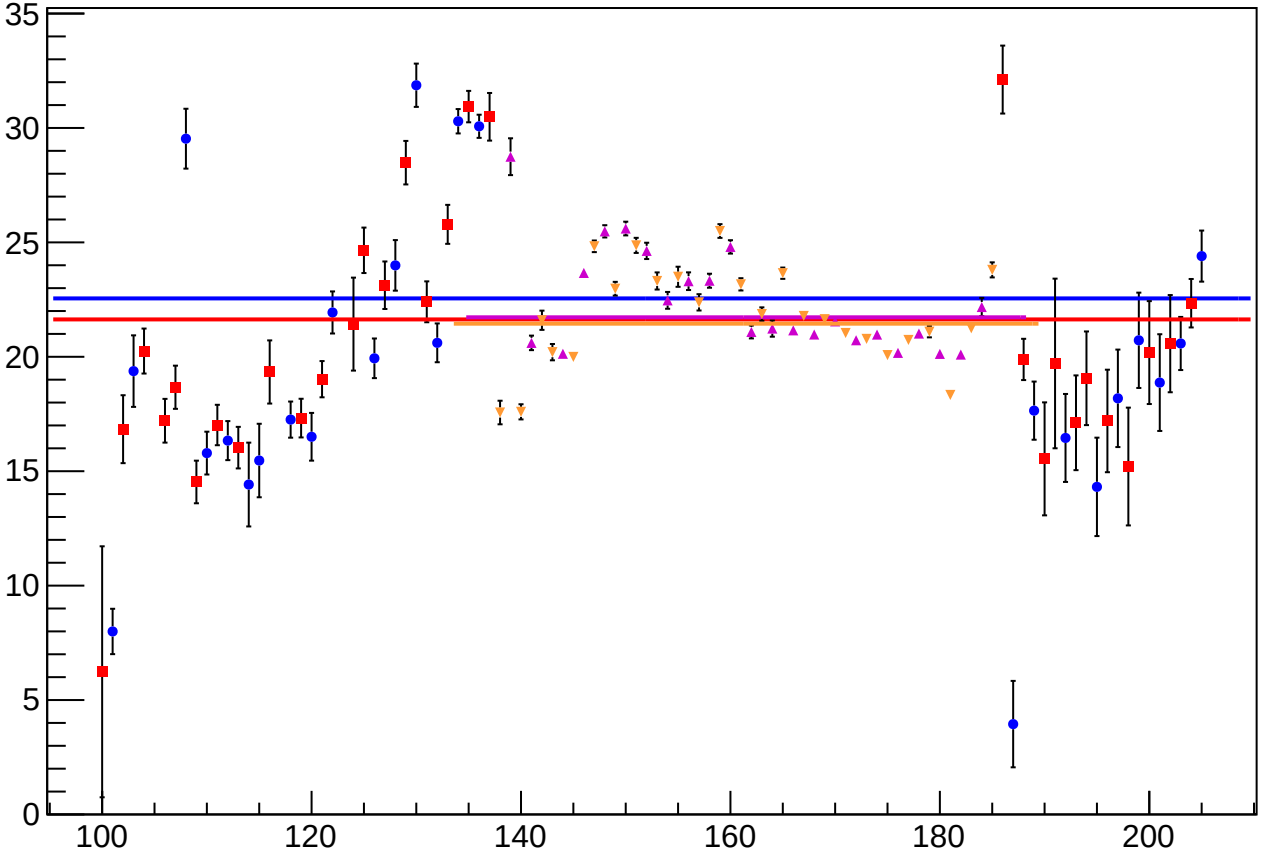
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

\+ sign -1.546+/-0.054 χ^2/NDF: 24052.4/49

All: -1.416+/-0.038 χ^2/NDF: 45810.8/102

\- sign -1.286+/-0.054 χ^2/NDF: 21746.7/52

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.551+/-0.202 χ^2/NDF: 1167.7/24

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.633+/-0.204 χ^2/NDF: 636.0/29

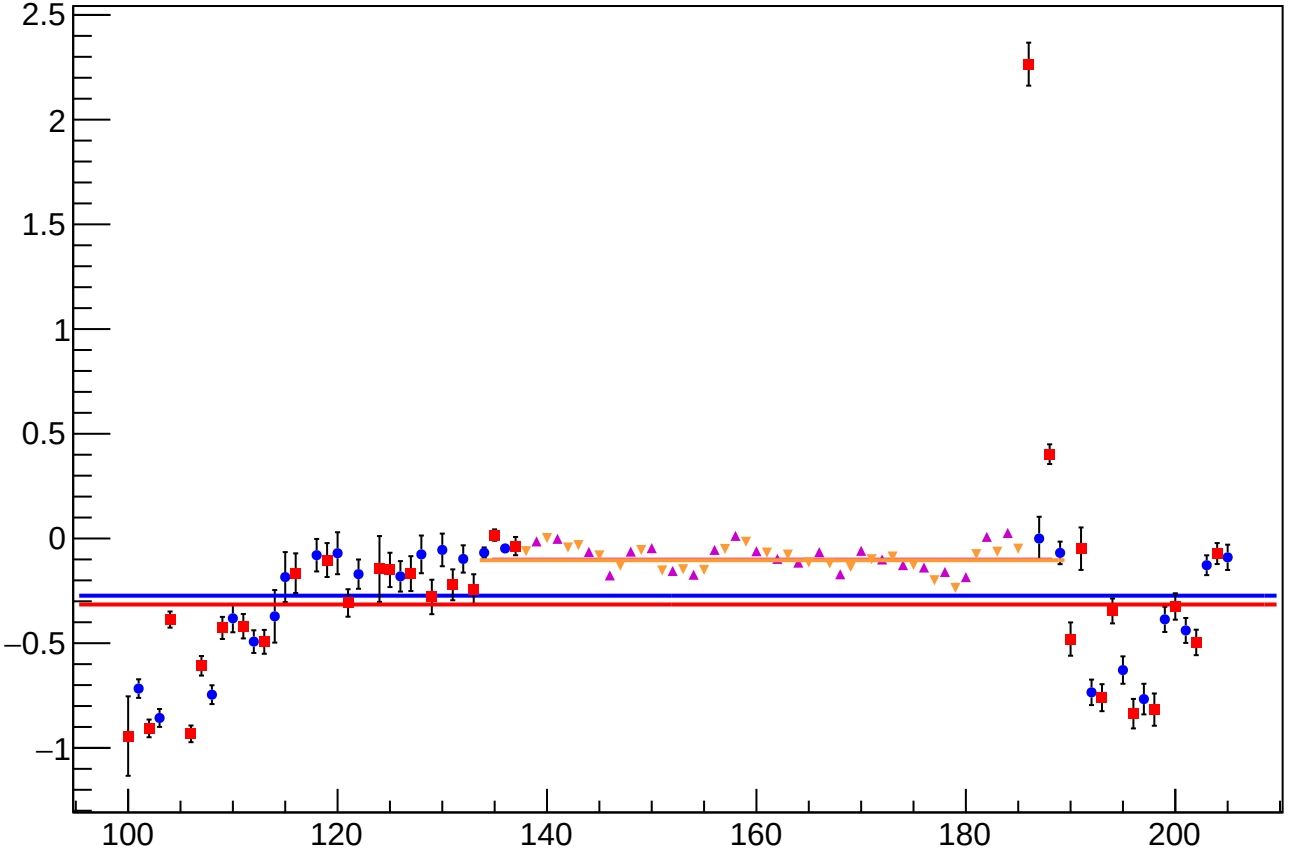
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.510+/-0.048 χ^2/NDF: 2521.2/49

All: 21.615+/-0.034 χ^2/NDF: 4340.7/102

- sign 21.720+/-0.048 χ^2/NDF: 1809.9/52

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.010 χ^2/NDF: 821.2/24

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.315+/-0.010 χ^2/NDF: 1772.4/29

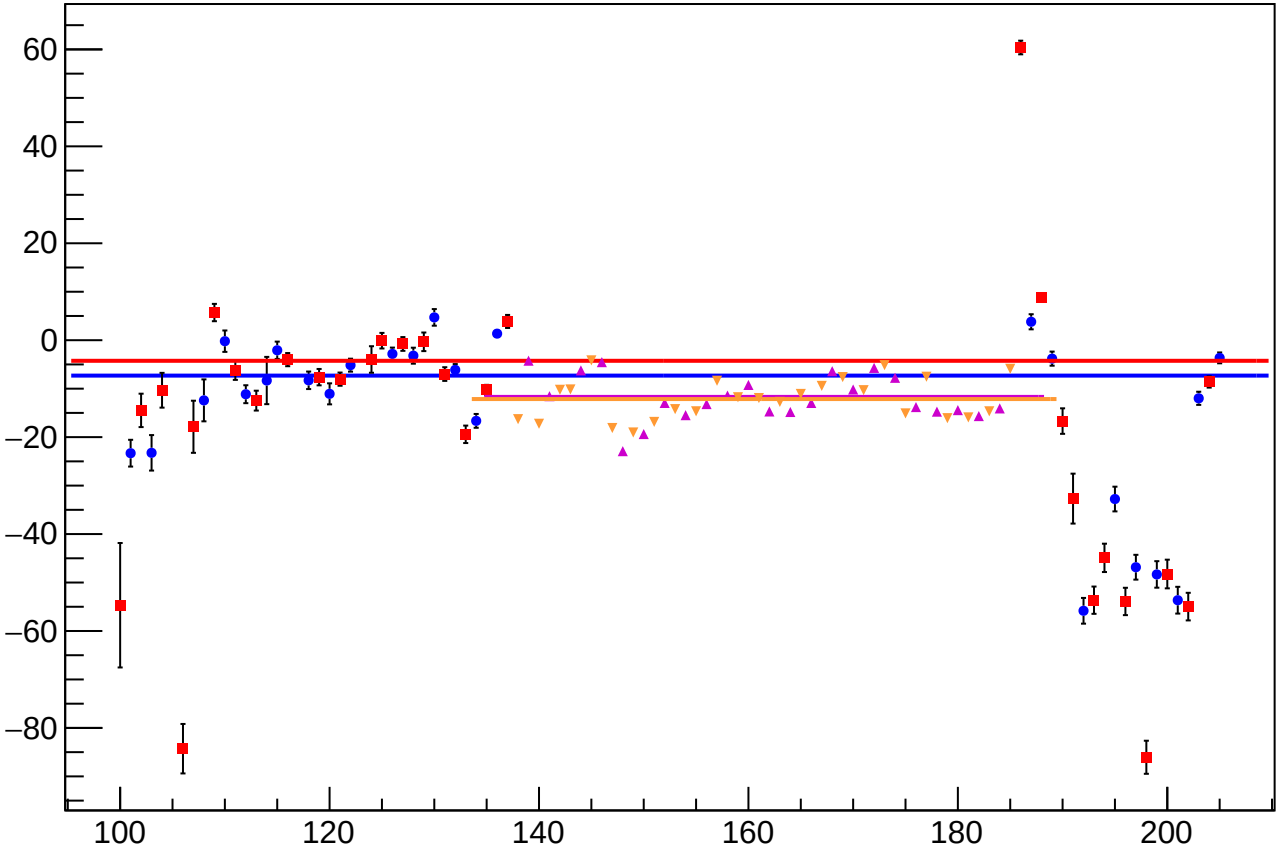
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1636.0/49

All: -0.111+/-0.002 χ^2/NDF: 4567.8/102

- sign -0.111+/-0.002 χ^2/NDF: 2931.8/52

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.305+/-0.319 χ^2/NDF: 1615.6/24

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.250+/-0.322 χ^2/NDF: 4842.6/29

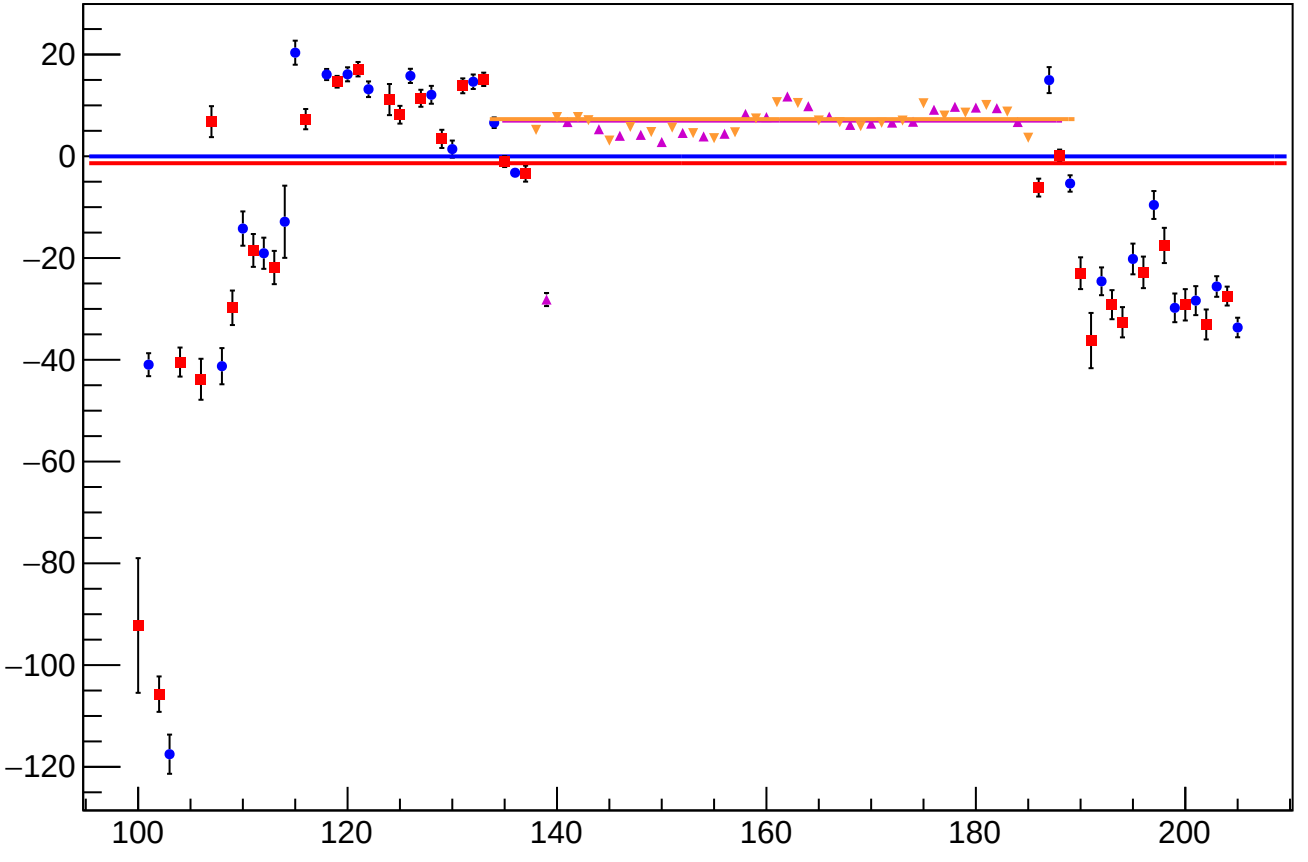
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.776+/-0.088 χ^2/NDF: 3958.1/49

All: -11.453+/-0.063 χ^2/NDF: 11271.5/102

- sign -11.111+/-0.091 χ^2/NDF: 7285.7/52

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -0.025+/-0.345 χ^2/NDF: 3154.2/24

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -1.366+/-0.359 χ^2/NDF: 2919.8/29

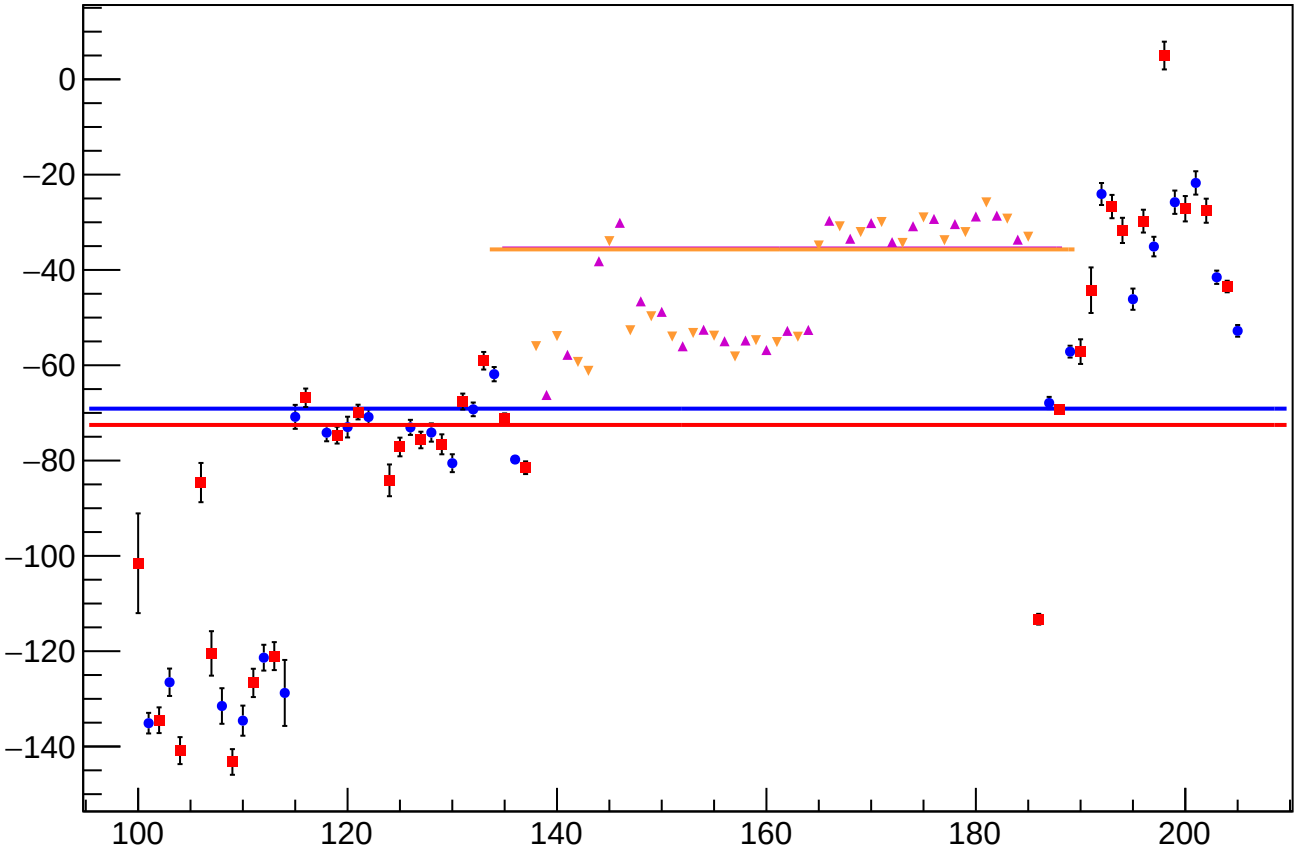
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.966+/-0.073 χ^2/NDF: 4408.3/49

All: 6.808+/-0.052 χ^2/NDF: 9432.9/102

- sign 6.646+/-0.074 χ^2/NDF: 5015.2/52

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -69.104+/-0.331 χ^2/NDF: 4927.2/24

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.524+/-0.324 χ^2/NDF: 6878.4/29

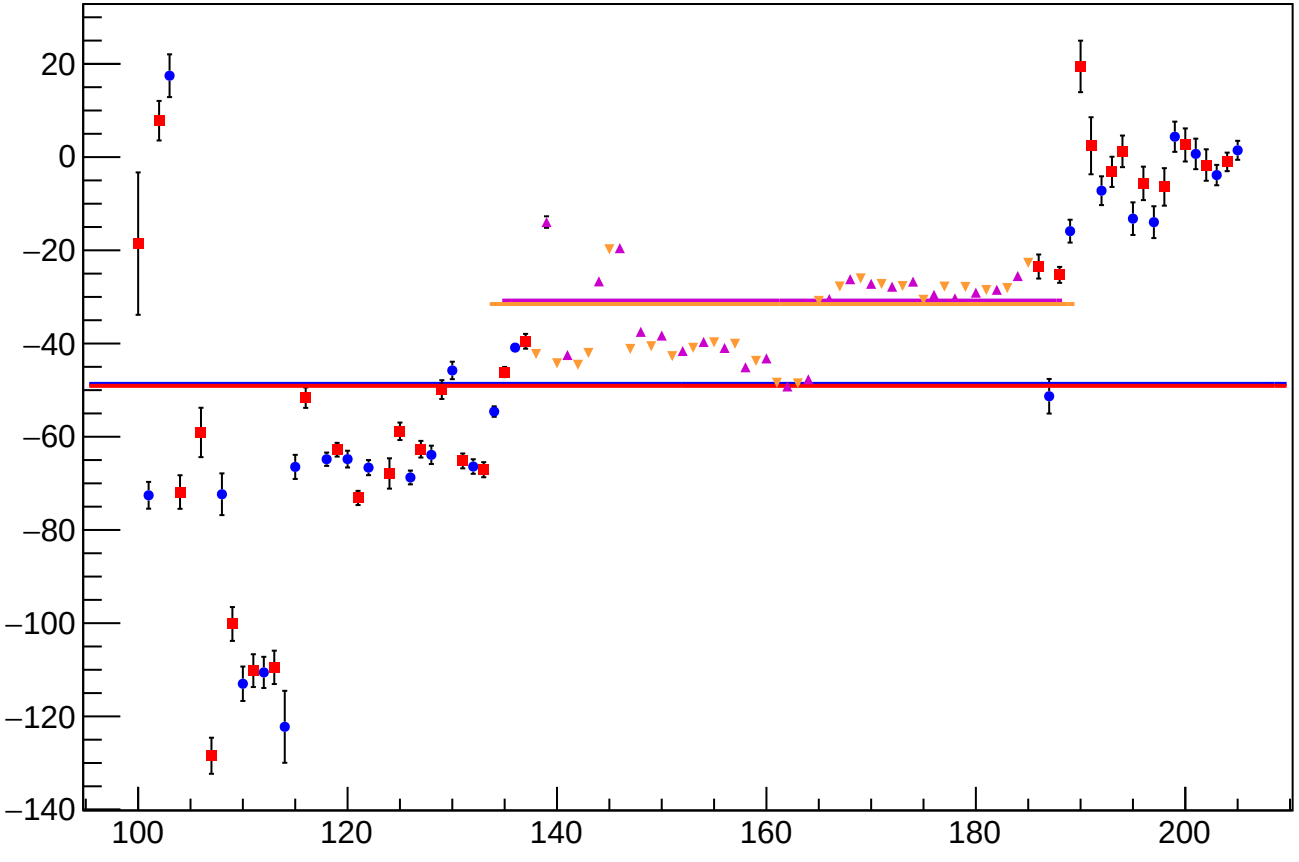
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -38.104+/-0.089 χ^2/NDF: 27186.9/49

All: -38.253+/-0.063 χ^2/NDF: 57288.0/102

\- sign -38.410+/-0.091 χ^2/NDF: 30095.3/52

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -48.655+/-0.387 χ^2/NDF: 4002.3/24

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -49.078+/-0.415 χ^2/NDF: 4345.1/29

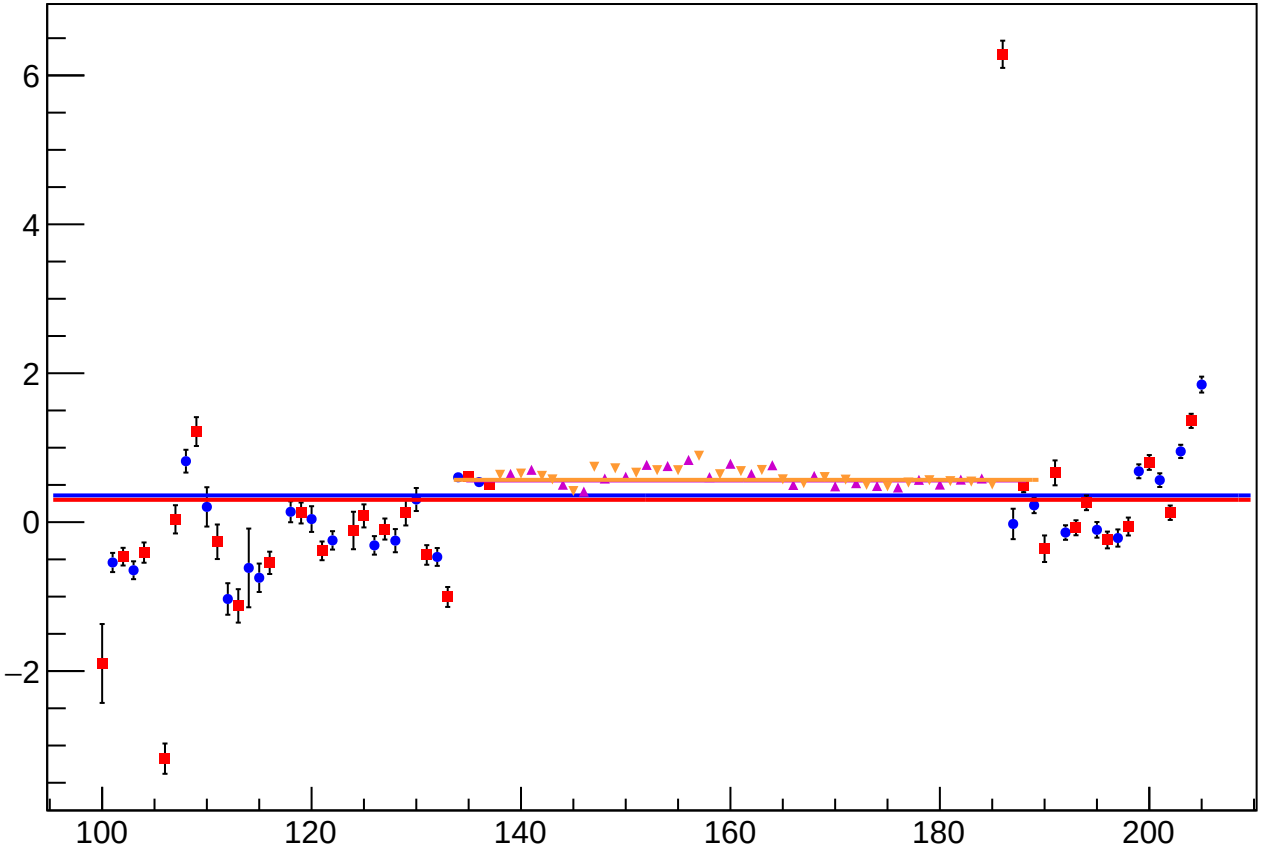
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.269+/-0.081 χ^2/NDF: 14331.8/49

All: -31.900+/-0.058 χ^2/NDF: 28137.1/102

- sign -31.515+/-0.083 χ^2/NDF: 13762.8/52

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.359+/-0.019 χ^2/NDF: 710.6/24

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.300+/-0.021 χ^2/NDF: 2005.8/29

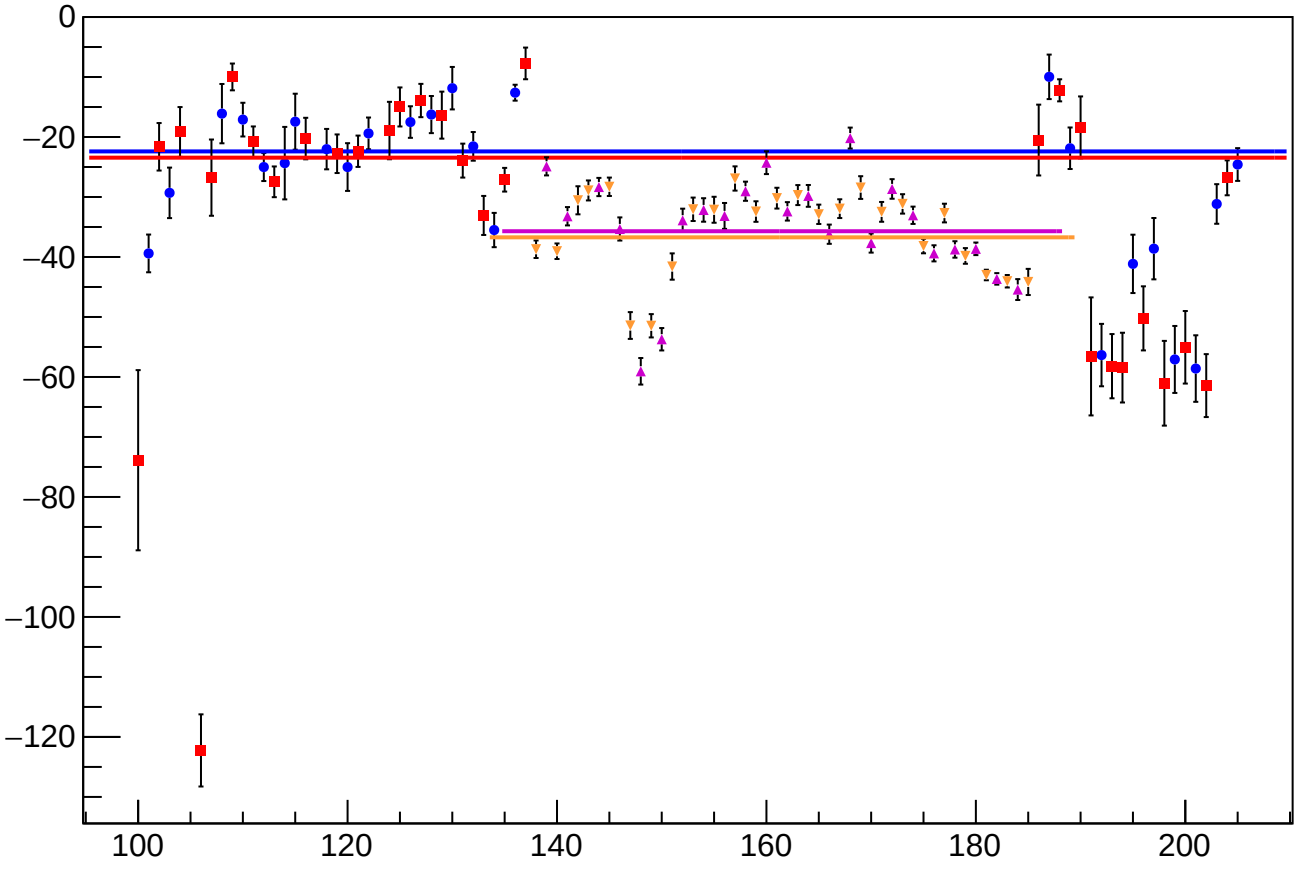
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.561+/-0.004 χ^2/NDF: 1380.5/49

All: 0.556+/-0.003 χ^2/NDF: 4213.3/102

- sign 0.552+/-0.004 χ^2/NDF: 2829.7/52

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.401+/-0.616 χ^2/NDF: 300.8/24

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.444+/-0.616 χ^2/NDF: 656.8/29

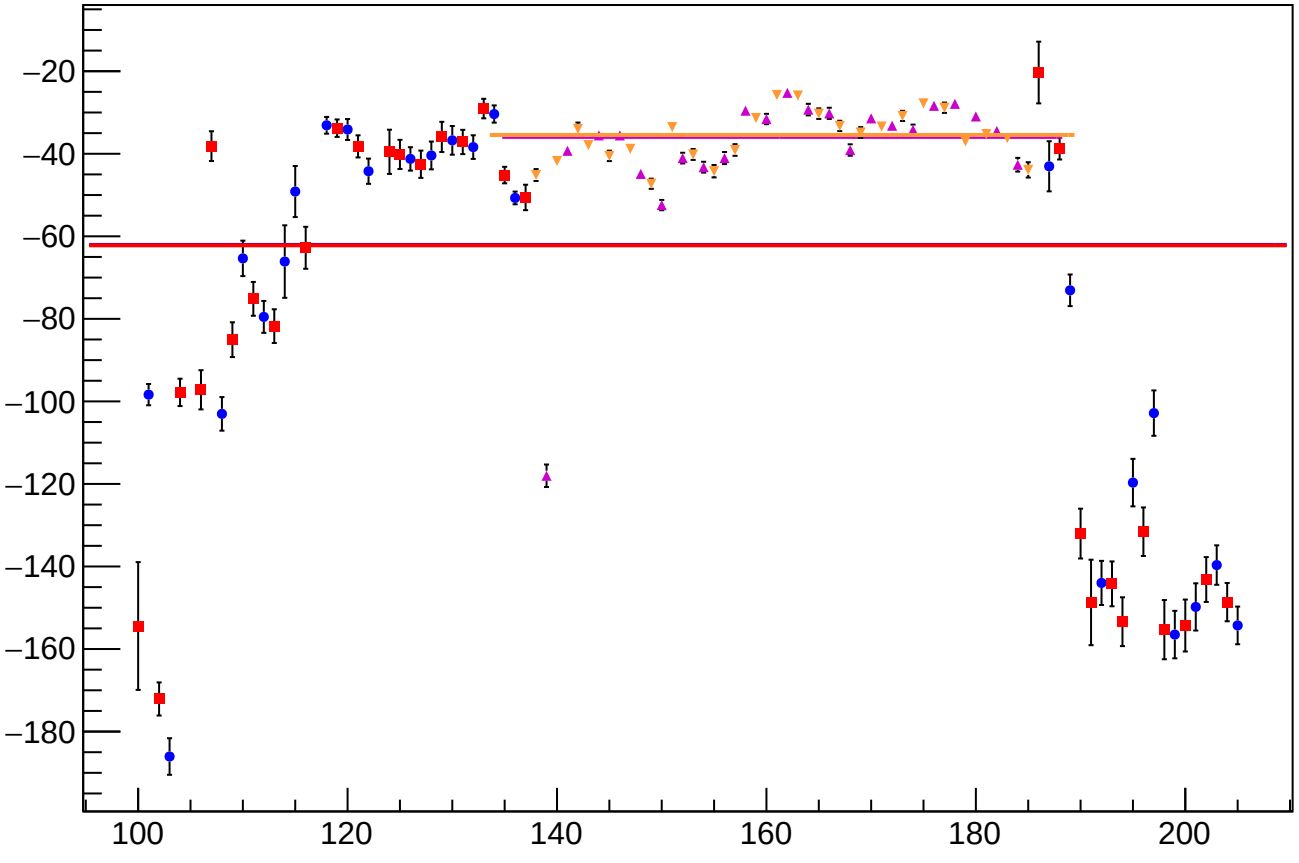
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.826+/-0.277 χ^2/NDF: 1153.0/49

All: -33.455+/-0.199 χ^2/NDF: 2703.0/102

- sign -33.058+/-0.286 χ^2/NDF: 1546.3/52

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -62.091+/-0.654 χ^2/NDF: 3552.7/24

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -62.176+/-0.674 χ^2/NDF: 3694.3/29

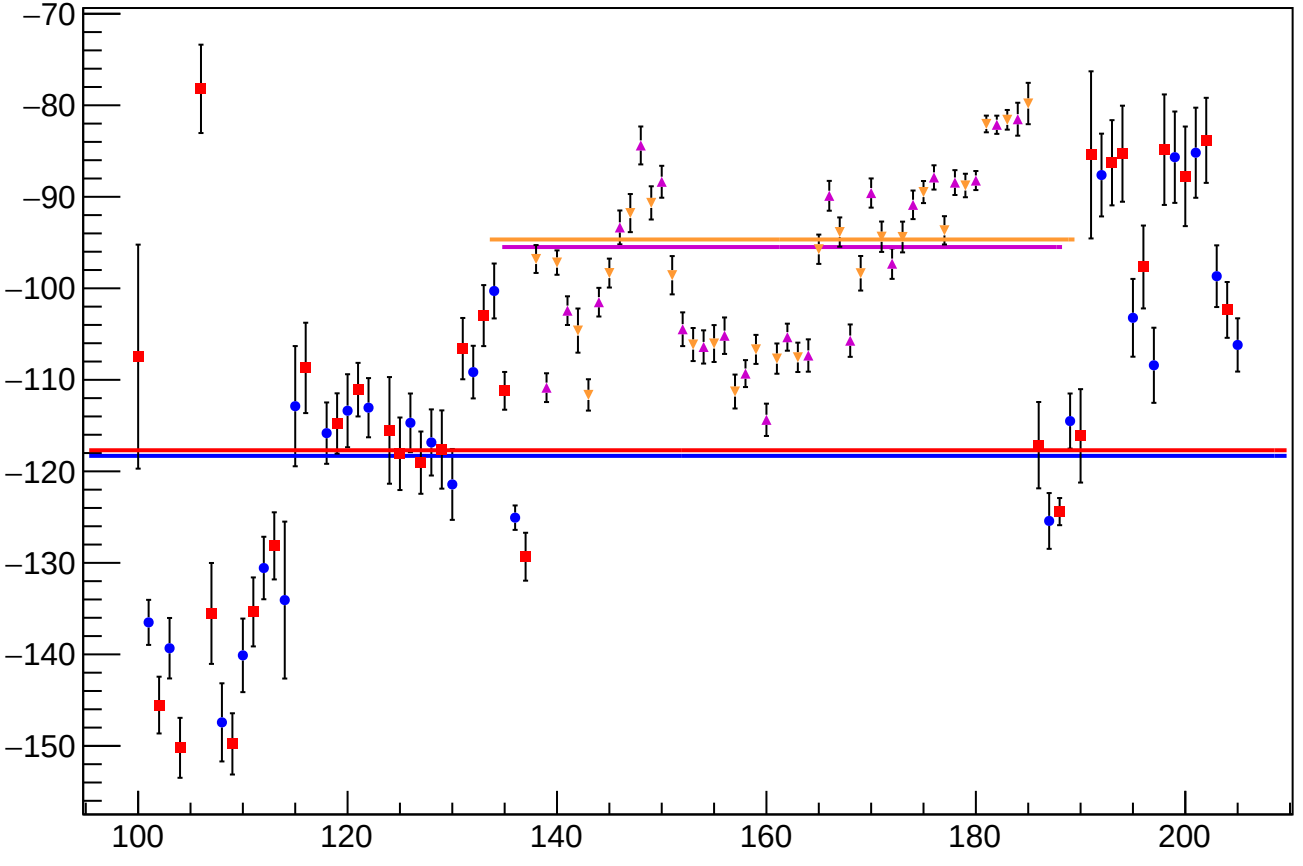
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.722+/-0.229 χ^2/NDF: 5548.0/49

All: -38.965+/-0.166 χ^2/NDF: 12115.3/102

- sign -39.229+/-0.239 χ^2/NDF: 6565.0/52

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -118.308+/-0.639 χ^2/NDF: 477.4/24

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.695+/-0.638 χ^2/NDF: 723.3/29

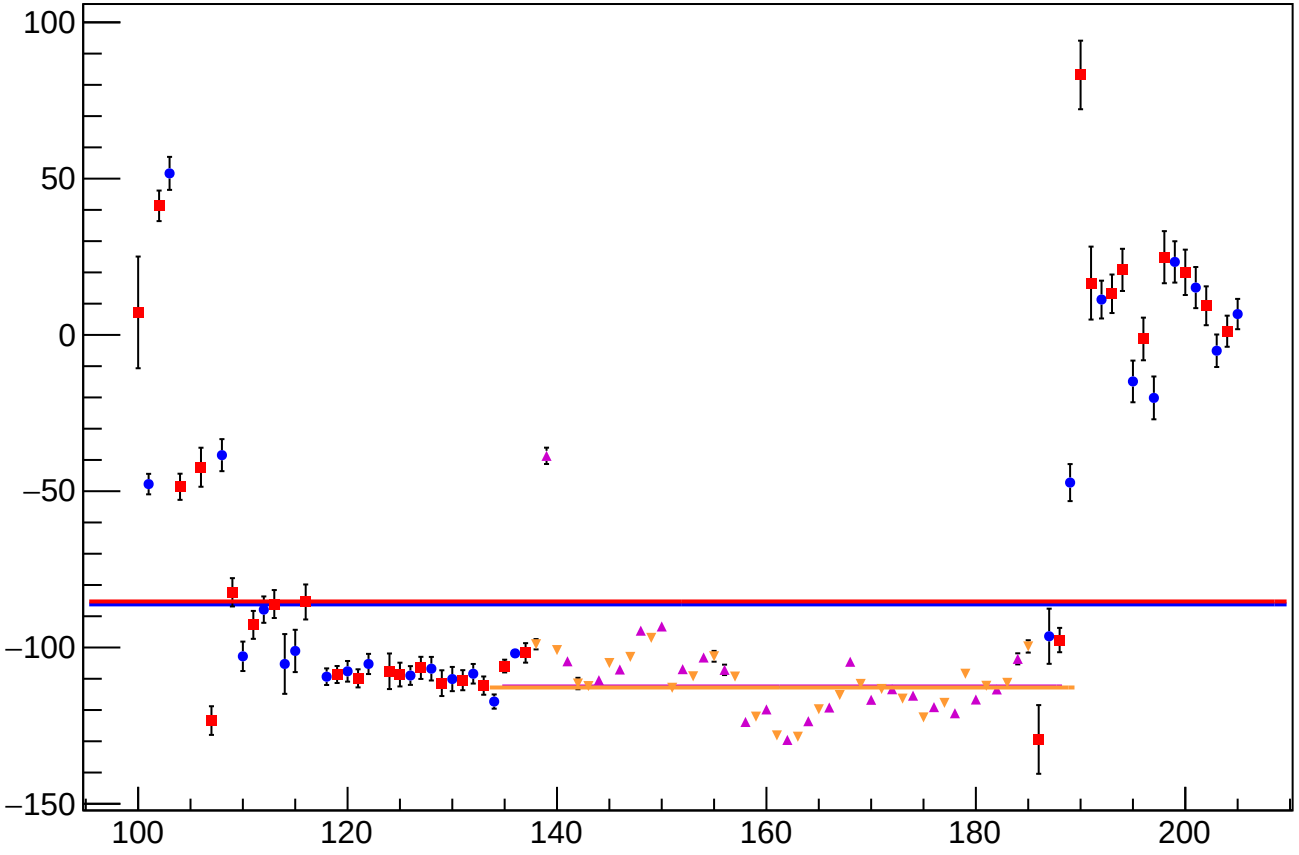
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.160+/-0.279 χ^2/NDF: 2485.2/49

All: -99.556+/-0.200 χ^2/NDF: 5148.3/102

- sign -99.975+/-0.287 χ^2/NDF: 2659.0/52

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -86.208+/-0.740 χ^2/NDF: 3179.3/24

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -85.272+/-0.774 χ^2/NDF: 3358.3/29

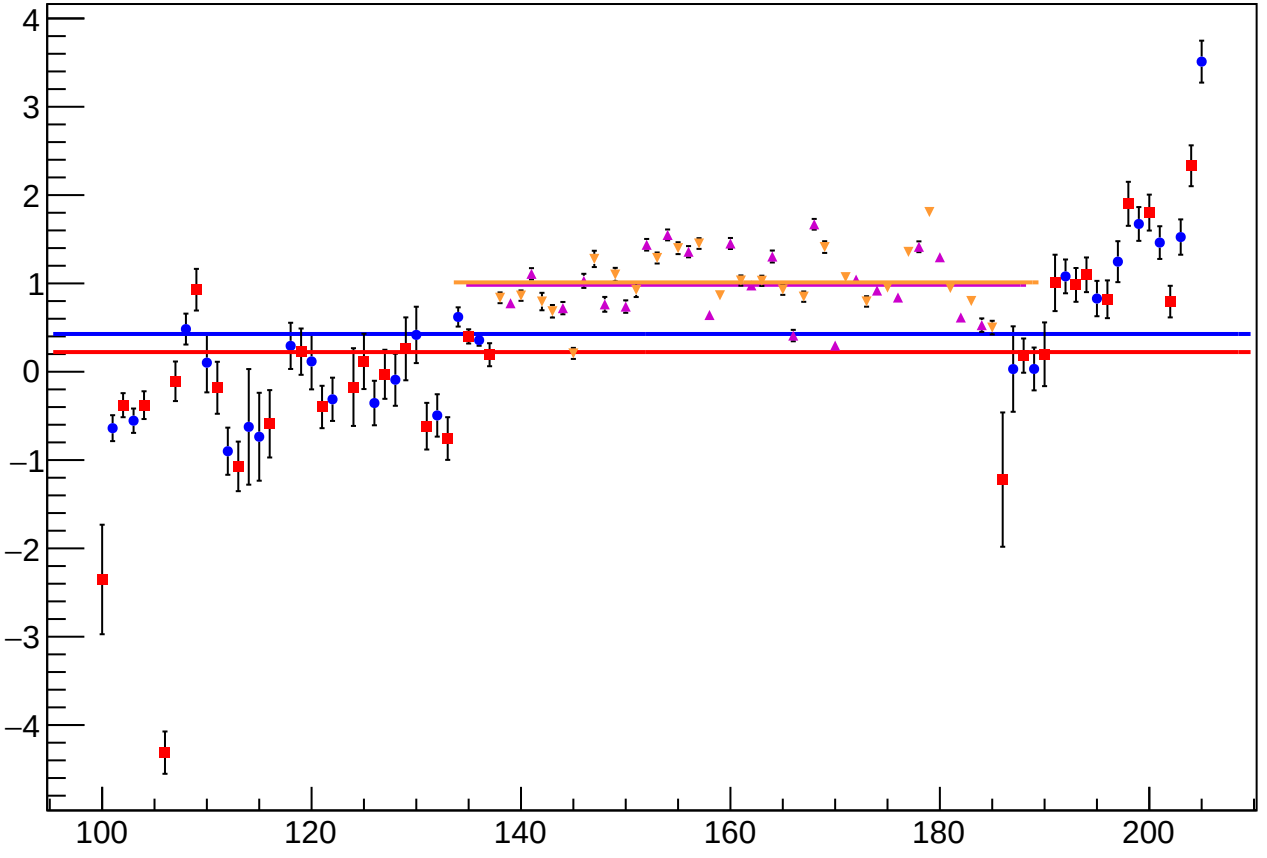
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -109.584+/-0.257 χ^2/NDF: 5251.9/49

All: -109.412+/-0.185 χ^2/NDF: 11485.9/102

- sign -109.225+/-0.267 χ^2/NDF: 6233.1/52

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.428+/-0.036 χ^2/NDF: 483.2/24

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.223+/-0.038 χ^2/NDF: 740.6/29

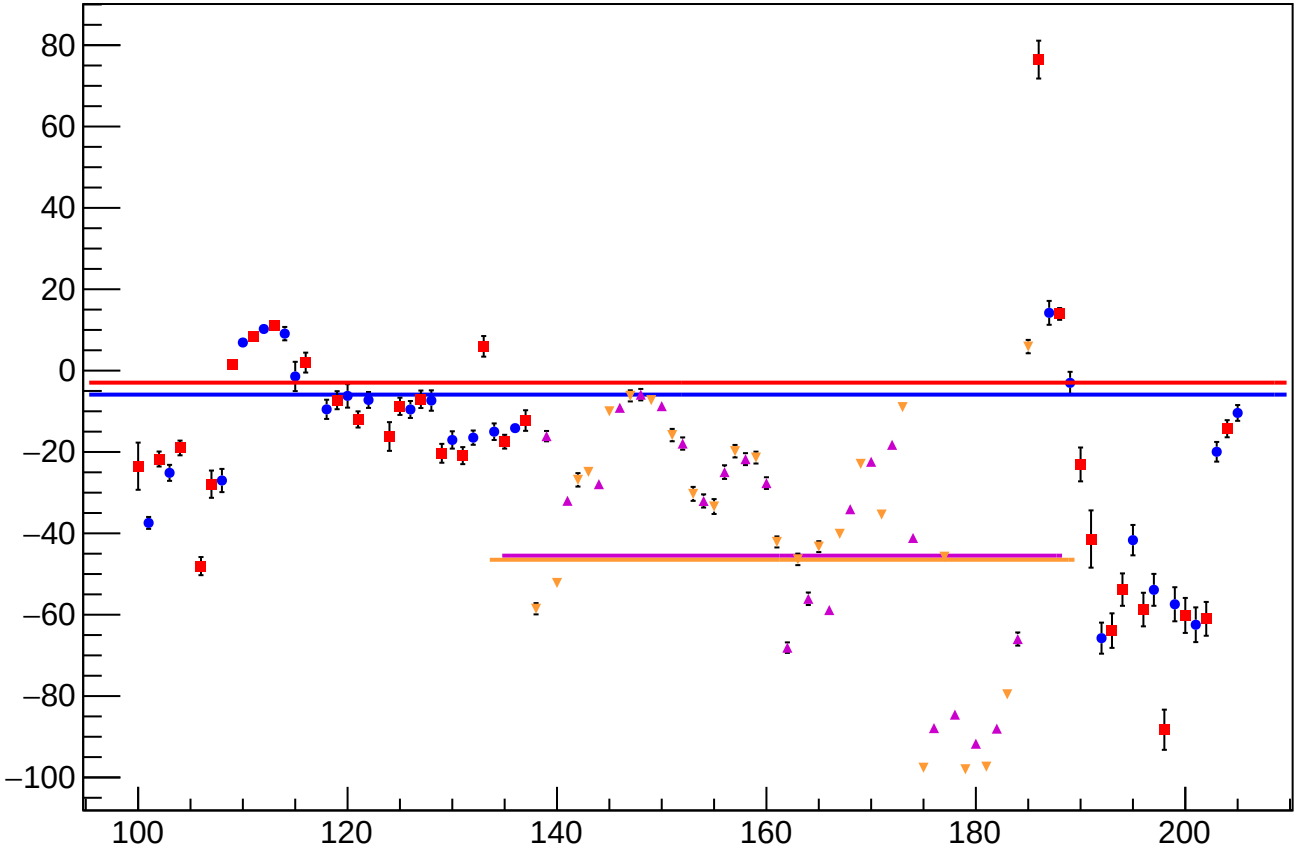
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.951+/-0.012 χ^2/NDF: 1412.6/49

All: 0.930+/-0.008 χ^2/NDF: 3429.1/102

- sign 0.908+/-0.012 χ^2/NDF: 2009.9/52

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -5.899+/-0.352 χ^2/NDF: 2470.1/24

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.956+/-0.318 χ^2/NDF: 3274.2/29

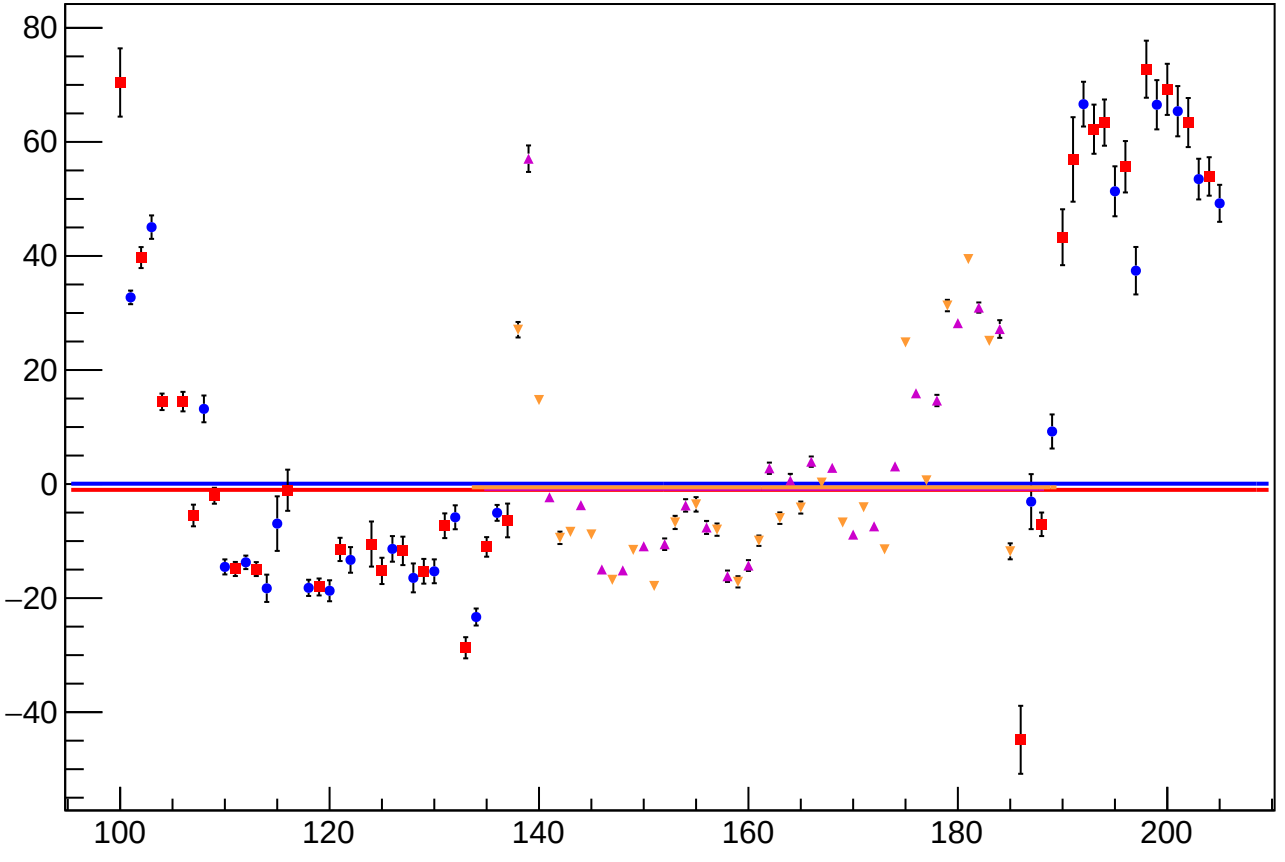
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.363+/-0.193 χ^2/NDF: 31818.4/49

All: -32.279+/-0.135 χ^2/NDF: 62369.3/102

- sign -30.245+/-0.190 χ^2/NDF: 30319.8/52

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 0.064+/-0.408 χ^2/NDF: 3696.9/24

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.016+/-0.397 χ^2/NDF: 3404.9/29

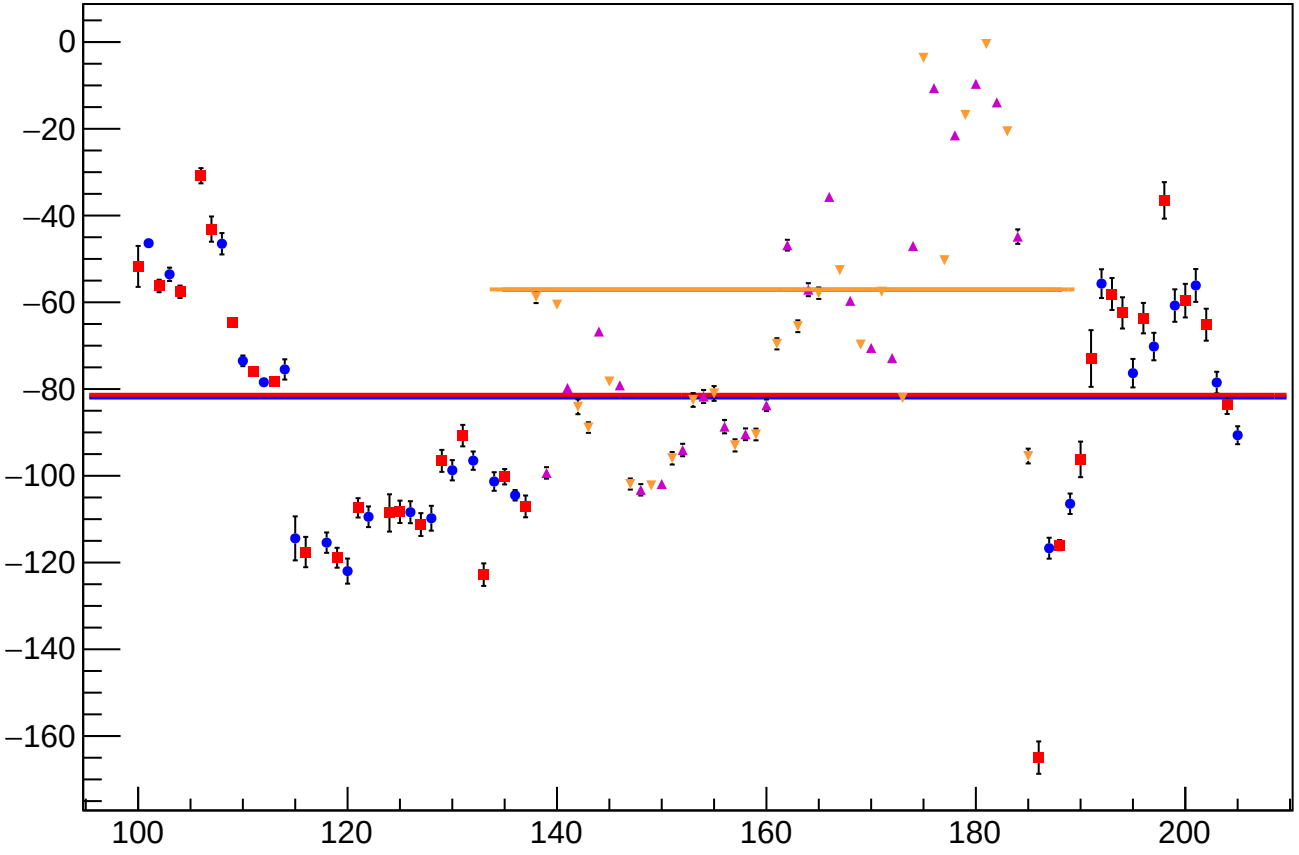
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.471+/-0.163 χ^2/NDF: 12150.4/49

All: -0.662+/-0.116 χ^2/NDF: 21674.8/102

- sign -0.861+/-0.166 χ^2/NDF: 9521.7/52

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.951+/-0.396 χ^2/NDF: 3366.9/24

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.320+/-0.371 χ^2/NDF: 4870.4/29

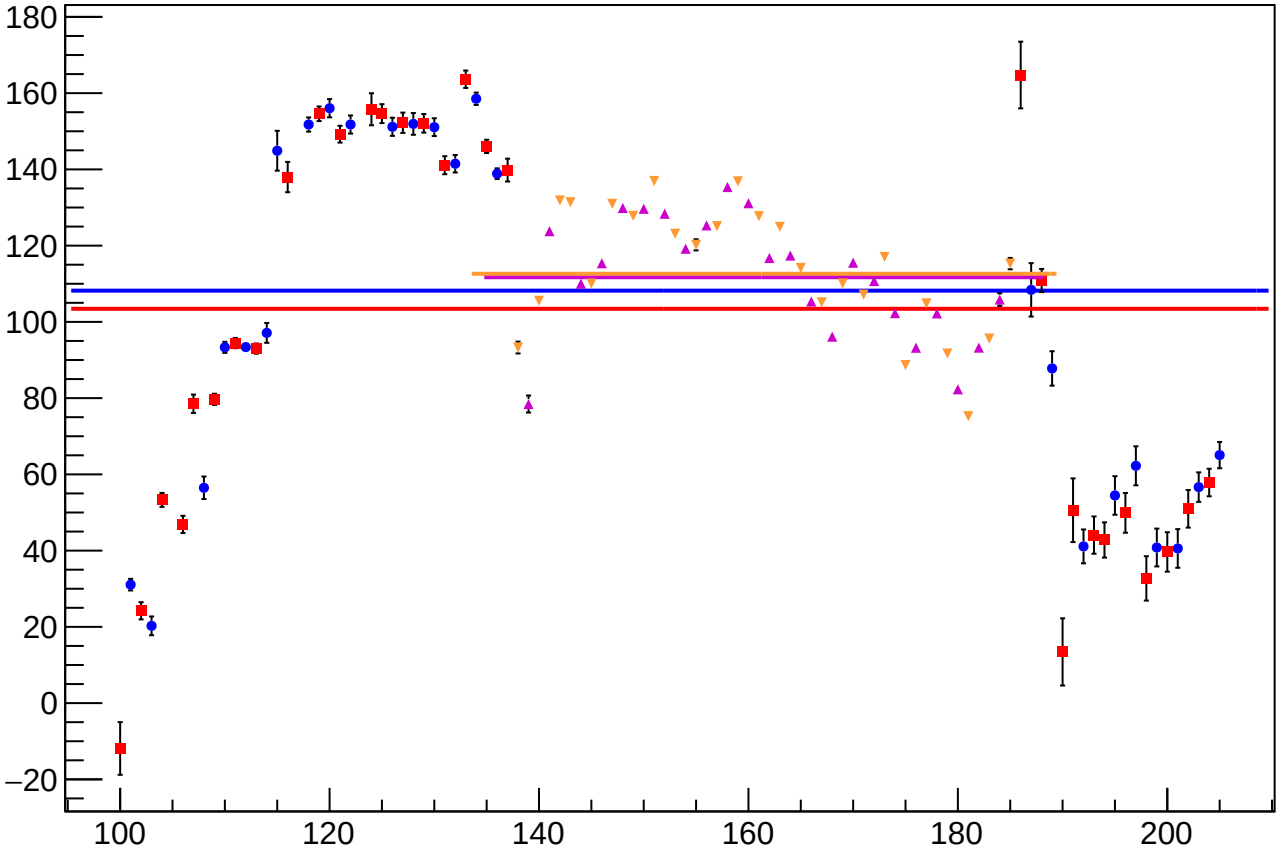
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -63.309+/-0.199 χ^2/NDF: 26638.1/49

All: -63.704+/-0.141 χ^2/NDF: 51718.5/102

- sign -64.101+/-0.199 χ^2/NDF: 25072.5/52

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 108.194+/-0.466 χ^2/NDF: 9445.2/24

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 103.438+/-0.456 χ^2/NDF: 8813.8/29

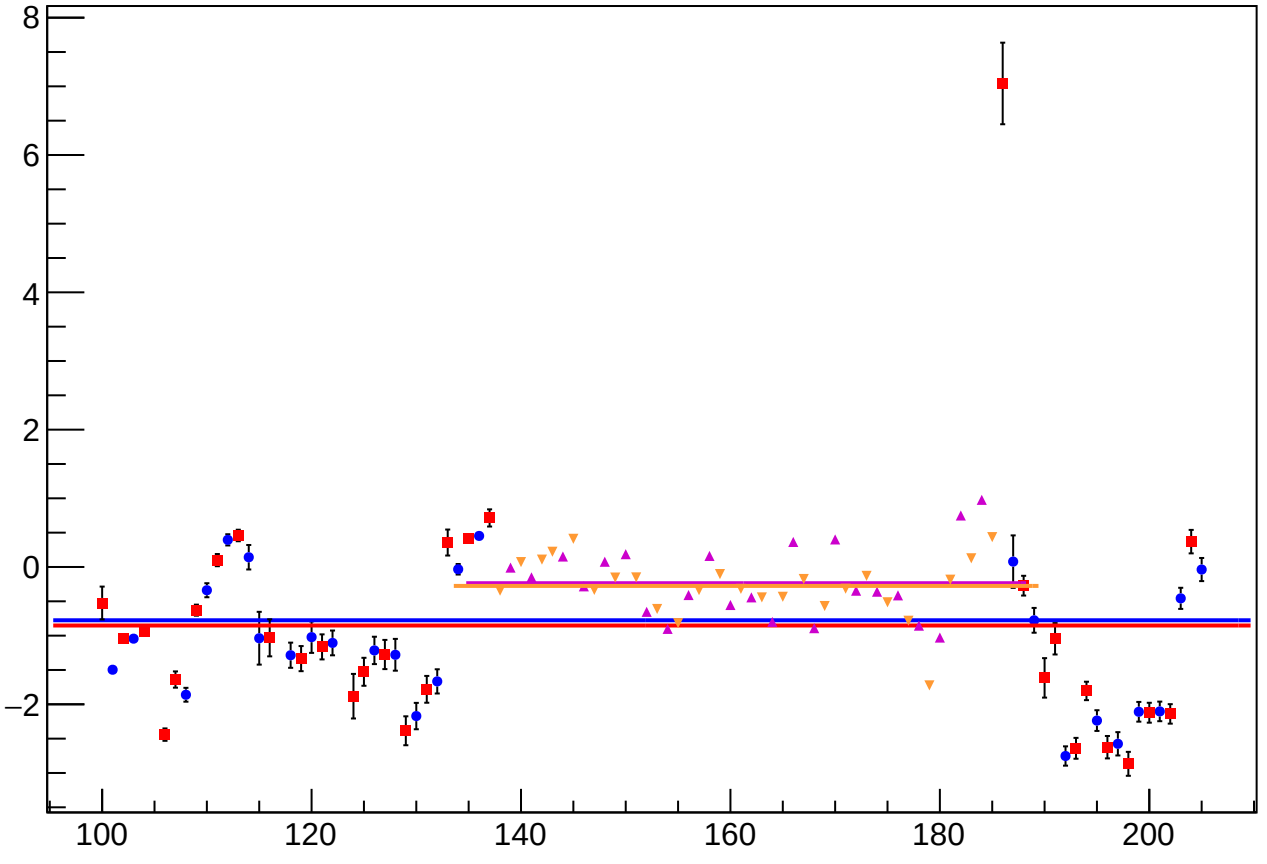
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.935+/-0.184 χ^2/NDF: 16229.6/49

All: 111.143+/-0.131 χ^2/NDF: 30252.3/102

- sign 110.316+/-0.188 χ^2/NDF: 13984.6/52

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.776+/-0.023 χ^2/NDF: 1766.9/24

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.852+/-0.023 χ^2/NDF: 2226.9/29

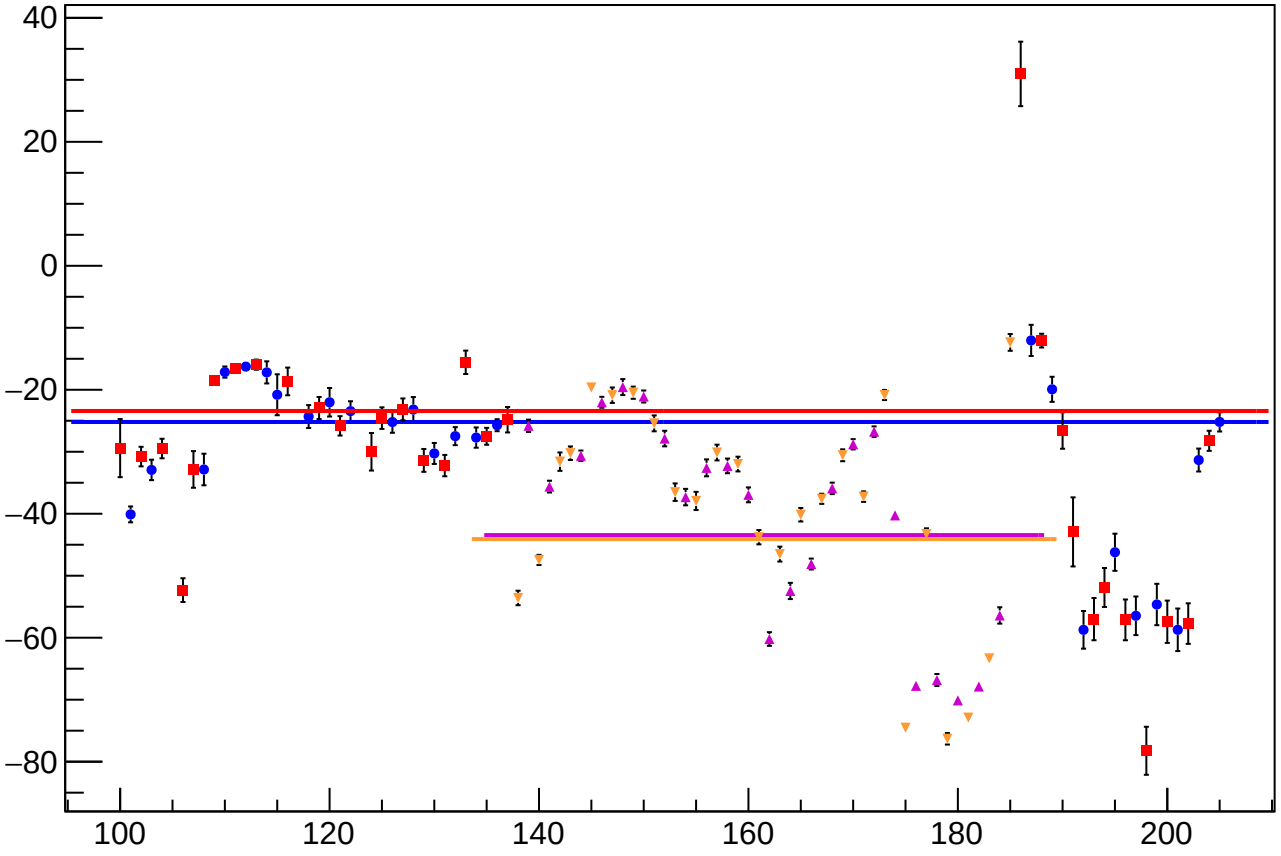
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.341+/-0.008 χ^2/NDF: 4291.2/49

All: -0.332+/-0.006 χ^2/NDF: 10118.5/102

- sign -0.324+/-0.009 χ^2/NDF: 5825.3/52

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.197+/-0.319 χ^2/NDF: 917.6/24

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.421+/-0.294 χ^2/NDF: 1492.2/29

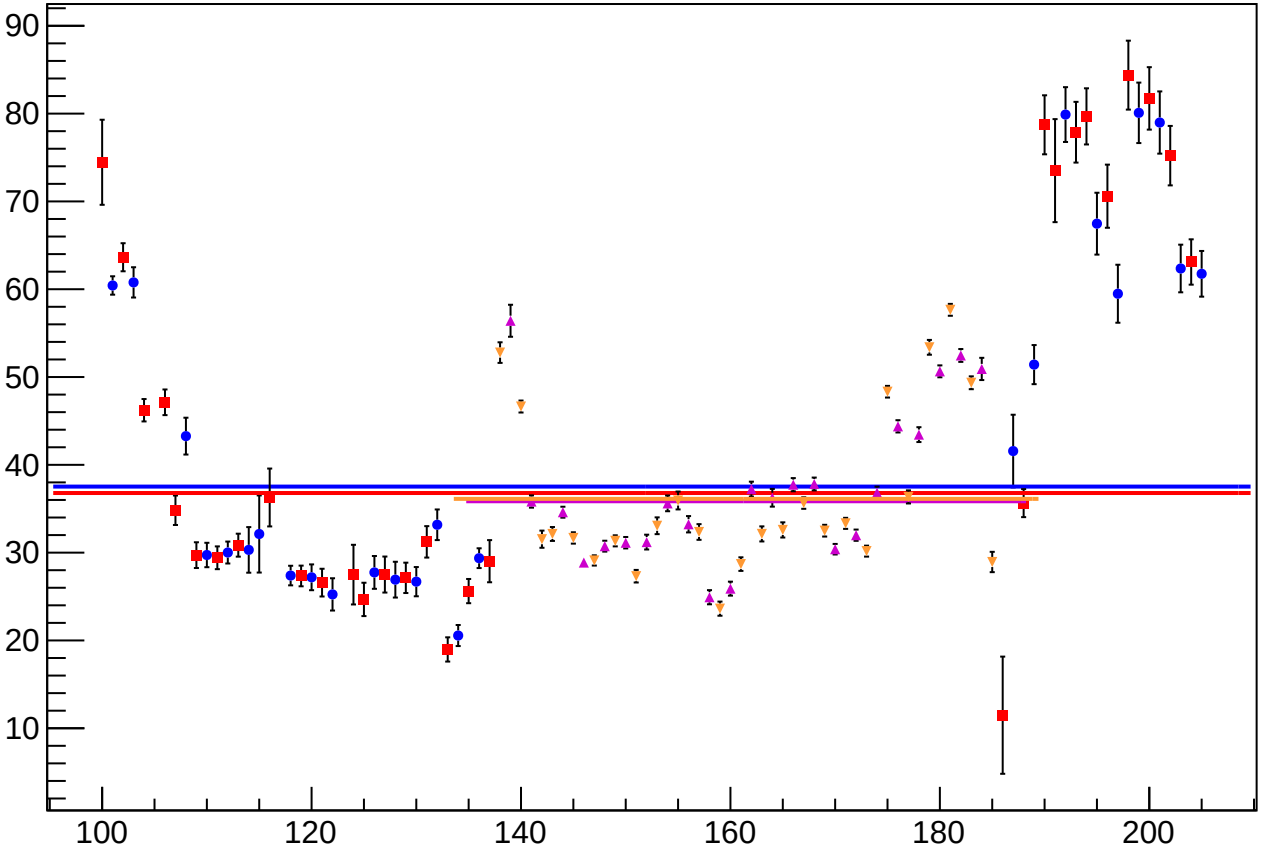
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.014+/-0.165 χ^2/NDF: 13830.1/49

All: -38.089+/-0.117 χ^2/NDF: 26387.3/102

- sign -37.169+/-0.165 χ^2/NDF: 12494.6/52

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.523+/-0.352 χ^2/NDF: 2078.1/24

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.791+/-0.346 χ^2/NDF: 2141.9/29

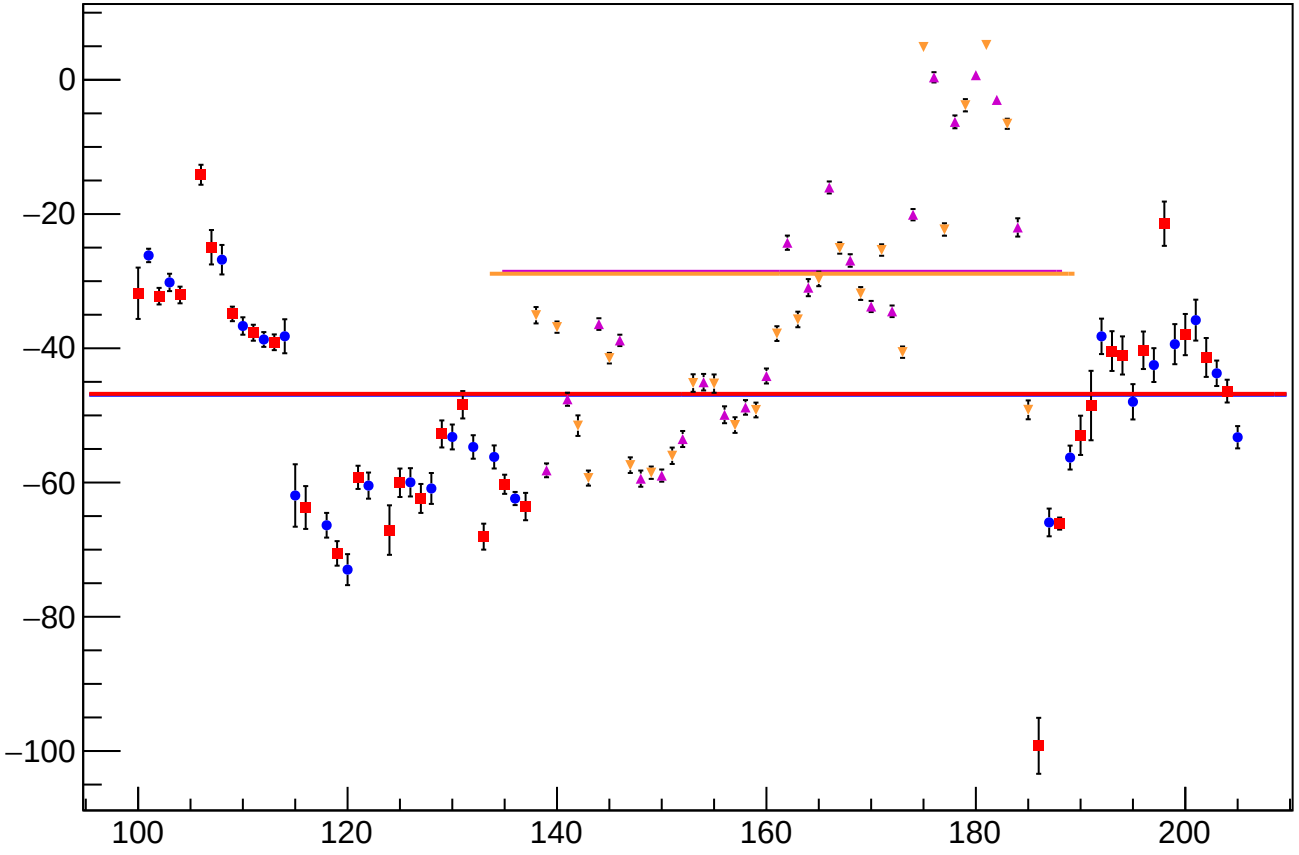
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.339+/-0.138 χ^2/NDF: 5650.0/49

All: 36.178+/-0.099 χ^2/NDF: 10094.4/102

- sign 36.009+/-0.141 χ^2/NDF: 4441.6/52

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.918+/-0.344 χ^2/NDF: 1657.1/24

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.789+/-0.325 χ^2/NDF: 2438.0/29

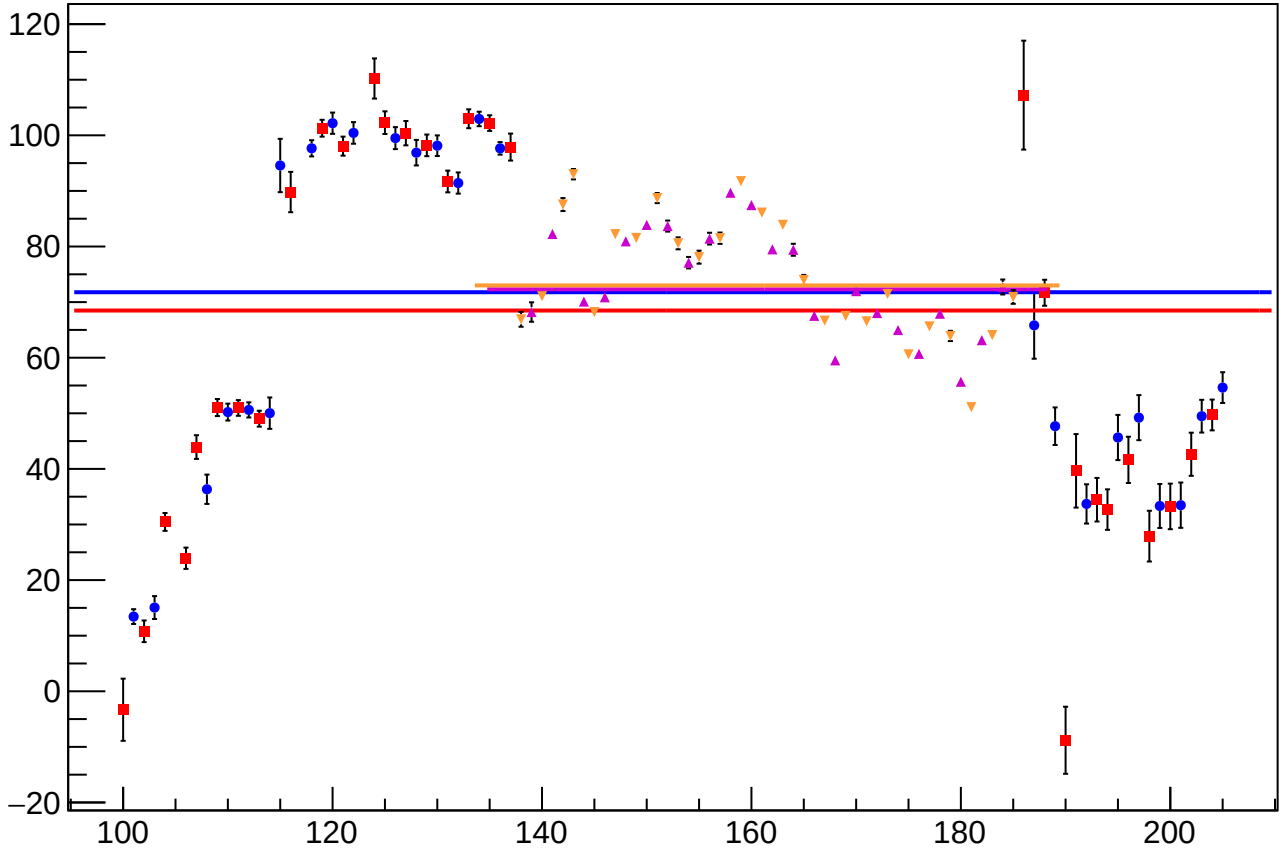
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -33.193+/-0.168 χ^2/NDF: 15542.9/49

All: -33.355+/-0.119 χ^2/NDF: 30281.6/102

- sign -33.518+/-0.169 χ^2/NDF: 14736.9/52

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.778+/-0.403 χ^2/NDF: 6405.9/24

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.485+/-0.399 χ^2/NDF: 6334.9/29

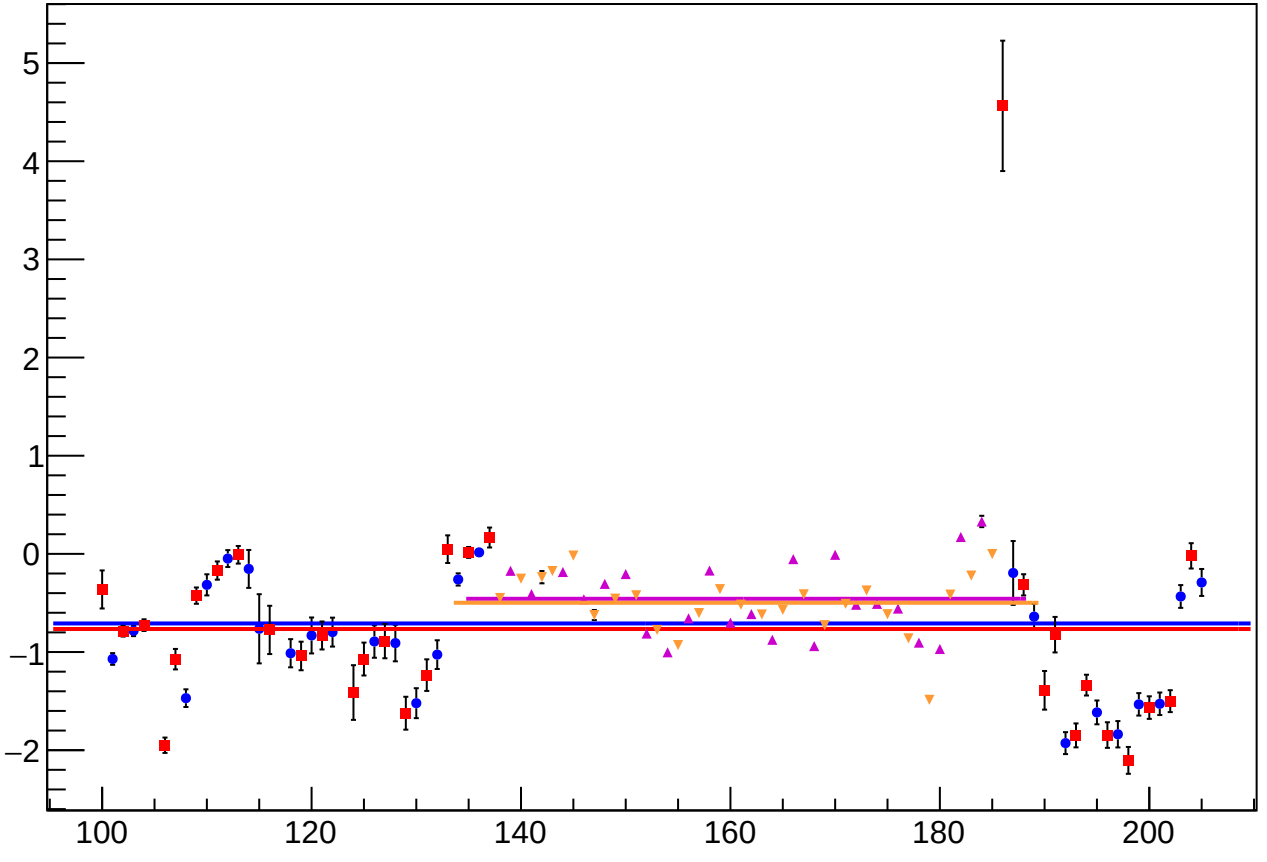
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.820+/-0.155 χ^2/NDF: 10466.1/49

All: 72.271+/-0.111 χ^2/NDF: 19815.9/102

- sign 71.697+/-0.159 χ^2/NDF: 9324.3/52

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.709+/-0.020 χ^2/NDF: 902.0/24

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.765+/-0.019 χ^2/NDF: 1224.2/29

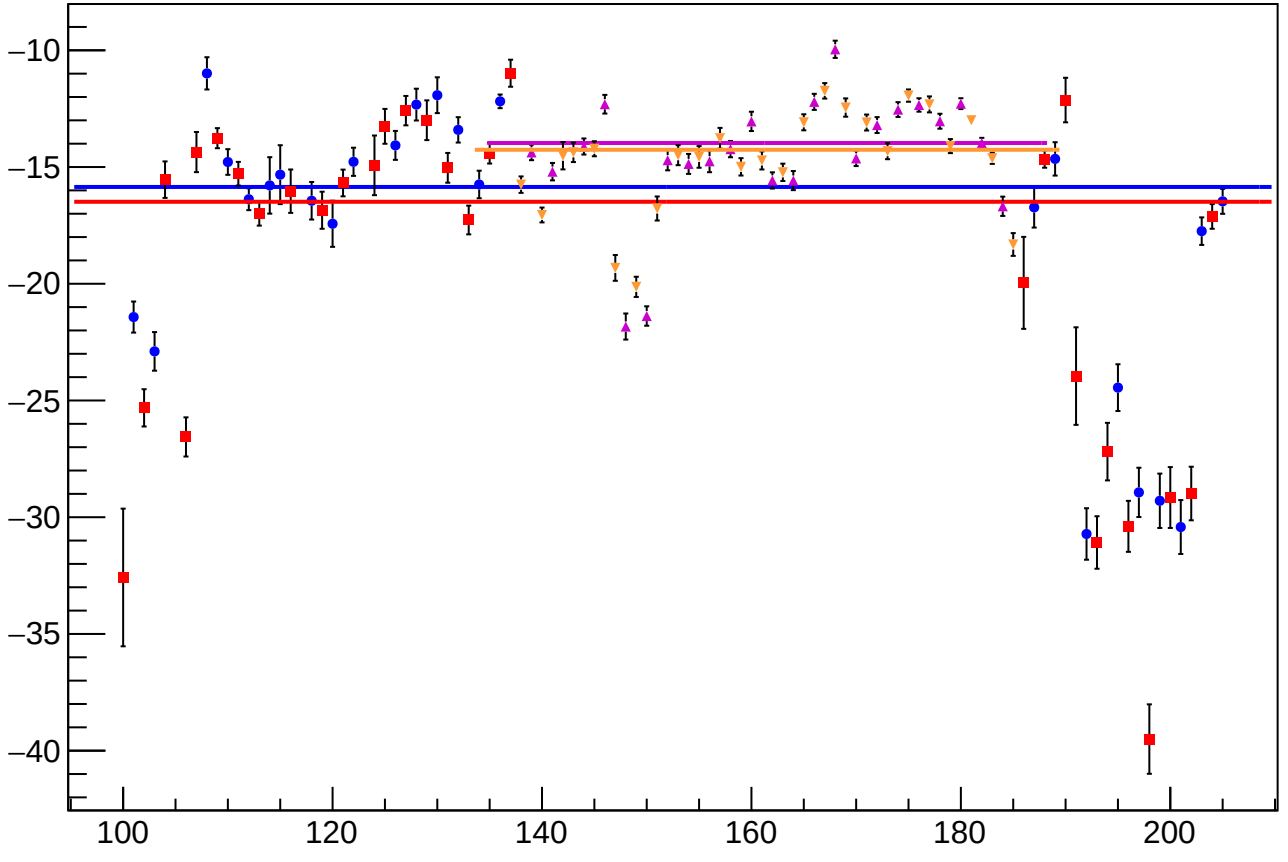
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.525+/-0.007 χ^2/NDF: 2484.7/49

All: -0.512+/-0.005 χ^2/NDF: 6036.6/102

- sign -0.499+/-0.007 χ^2/NDF: 3545.3/52

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.853+/-0.131 χ^2/NDF: 1160.1/24

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.488+/-0.128 χ^2/NDF: 1469.1/29

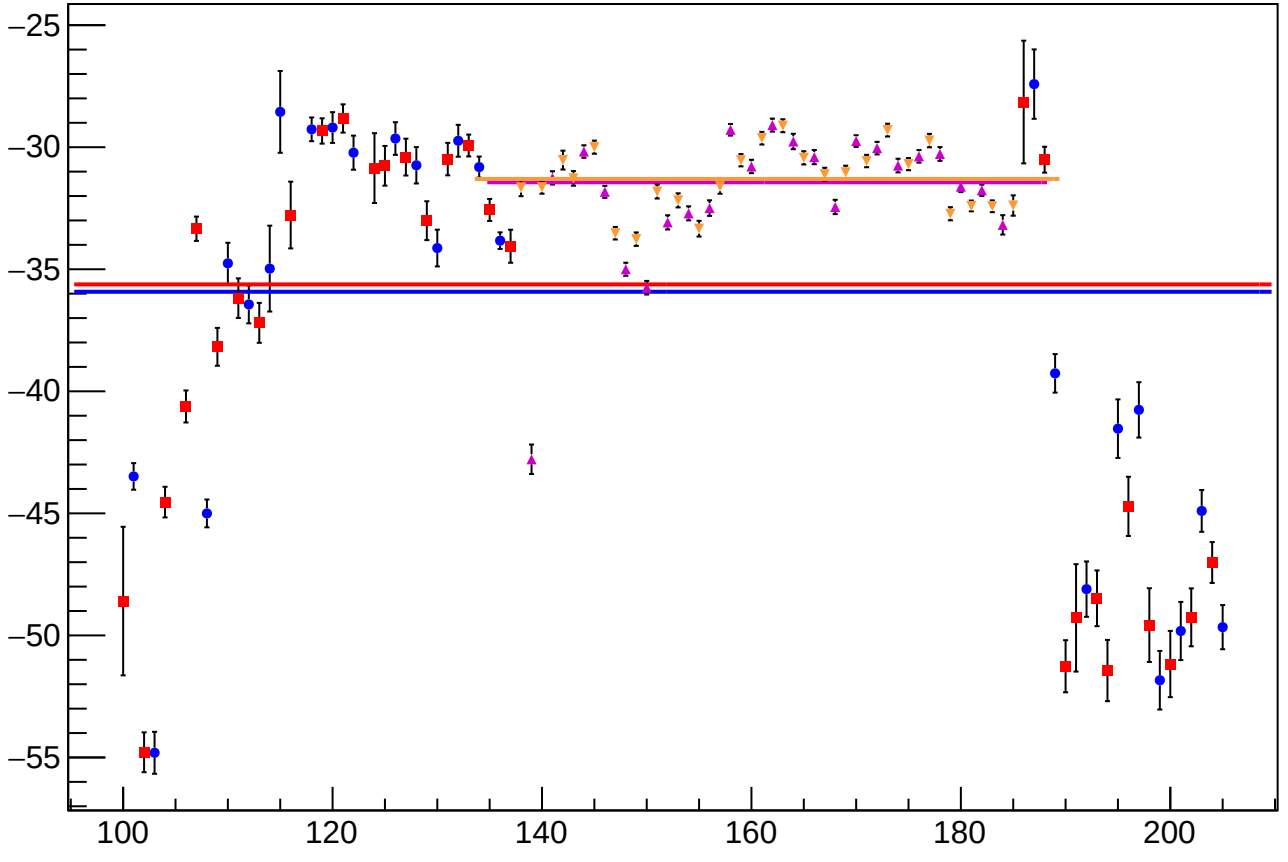
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.614+/-0.061 χ^2/NDF: 2000.0/49

All: -14.595+/-0.044 χ^2/NDF: 4671.4/102

- sign -14.574+/-0.063 χ^2/NDF: 2671.2/52

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.922+/-0.140 χ^2/NDF: 2591.1/24

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.620+/-0.139 χ^2/NDF: 2762.9/29

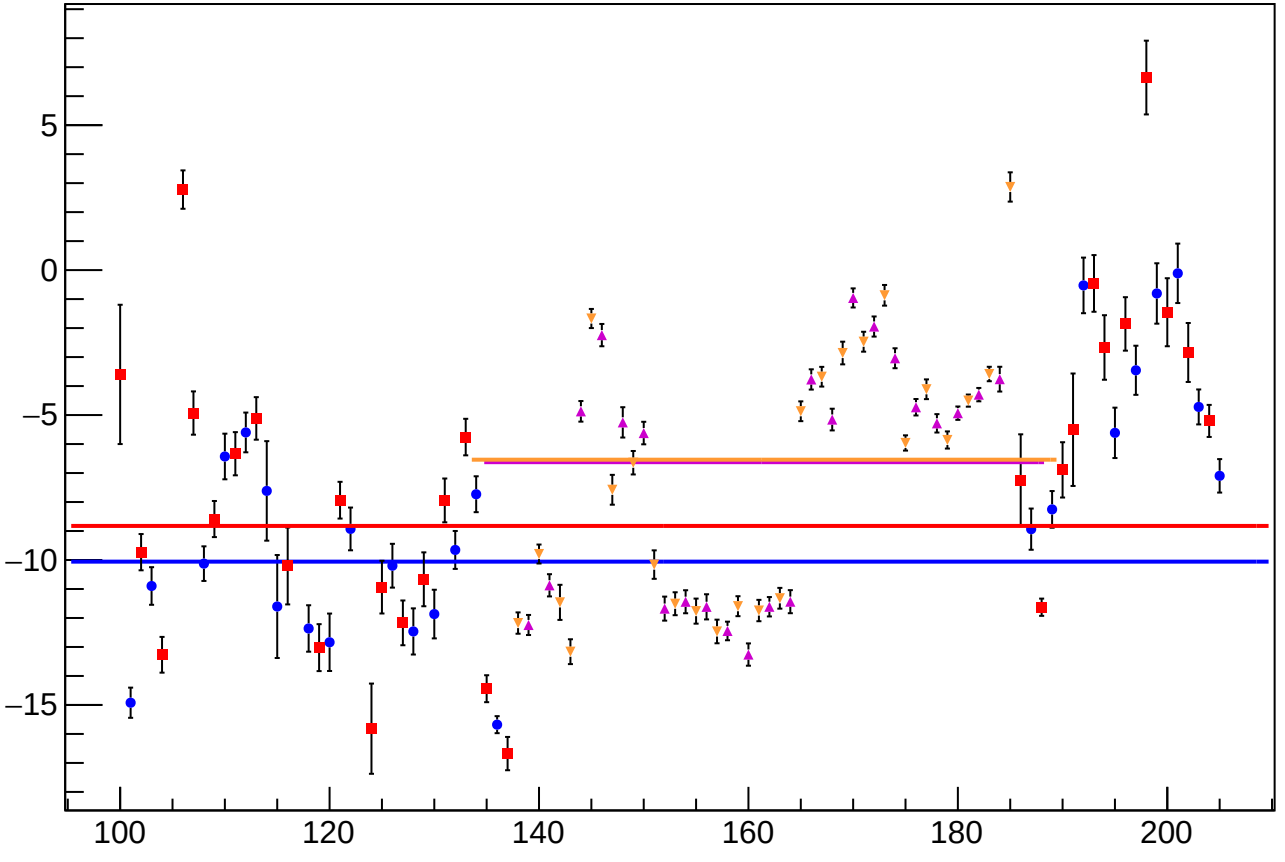
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.922+/-0.051 χ^2/NDF: 4085.1/49

All: -31.983+/-0.037 χ^2/NDF: 8844.4/102

- sign -32.047+/-0.053 χ^2/NDF: 4756.5/52

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.056+/-0.135 χ^2/NDF: 1043.0/24

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

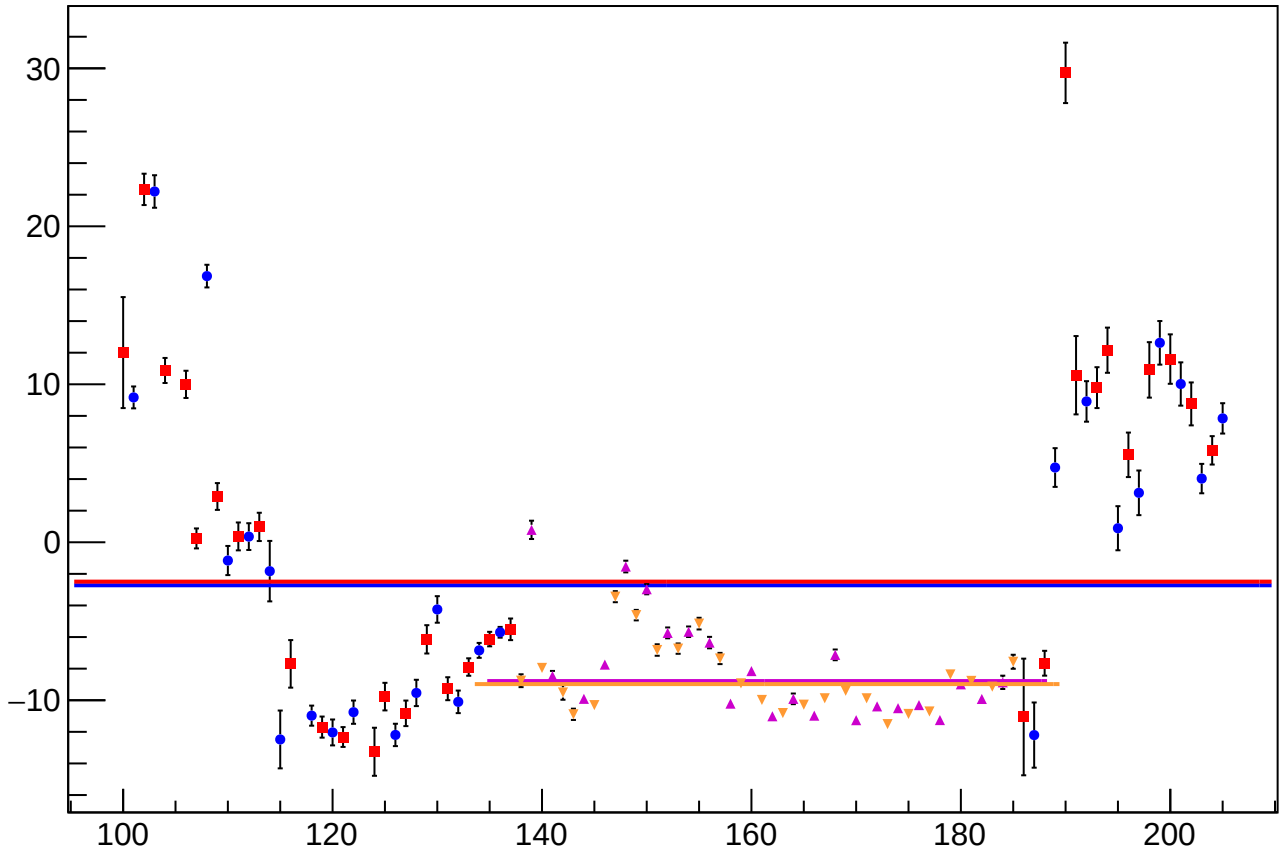
Right Out: -8.825+/-0.131 χ^2/NDF: 1388.9/29

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.277+/-0.062 χ^2/NDF: 4822.1/49

All: -7.205+/-0.044 χ^2/NDF: 9339.3/102

- sign -7.130+/-0.063 χ^2/NDF: 4514.4/52



Right In: -2.723+/-0.159 χ^2/NDF: 3143.3/24

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.491+/-0.161 χ^2/NDF: 3059.2/29

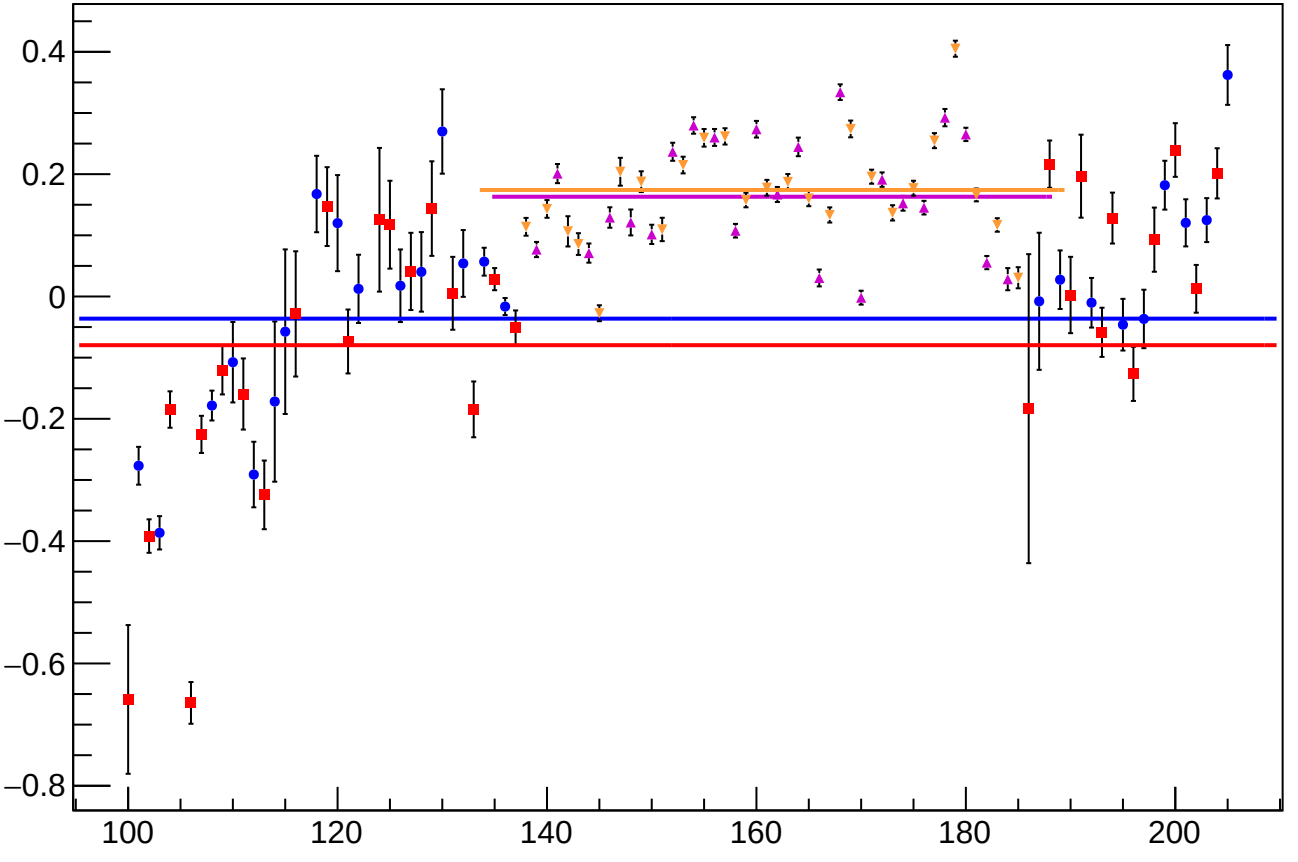
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.163+/-0.057 χ^2/NDF: 5464.1/49

All: -8.055+/-0.041 χ^2/NDF: 11536.2/102

- sign -7.942+/-0.059 χ^2/NDF: 6064.9/52

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.036+/-0.007 χ^2/NDF: 478.2/24

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.080+/-0.008 χ^2/NDF: 802.8/29

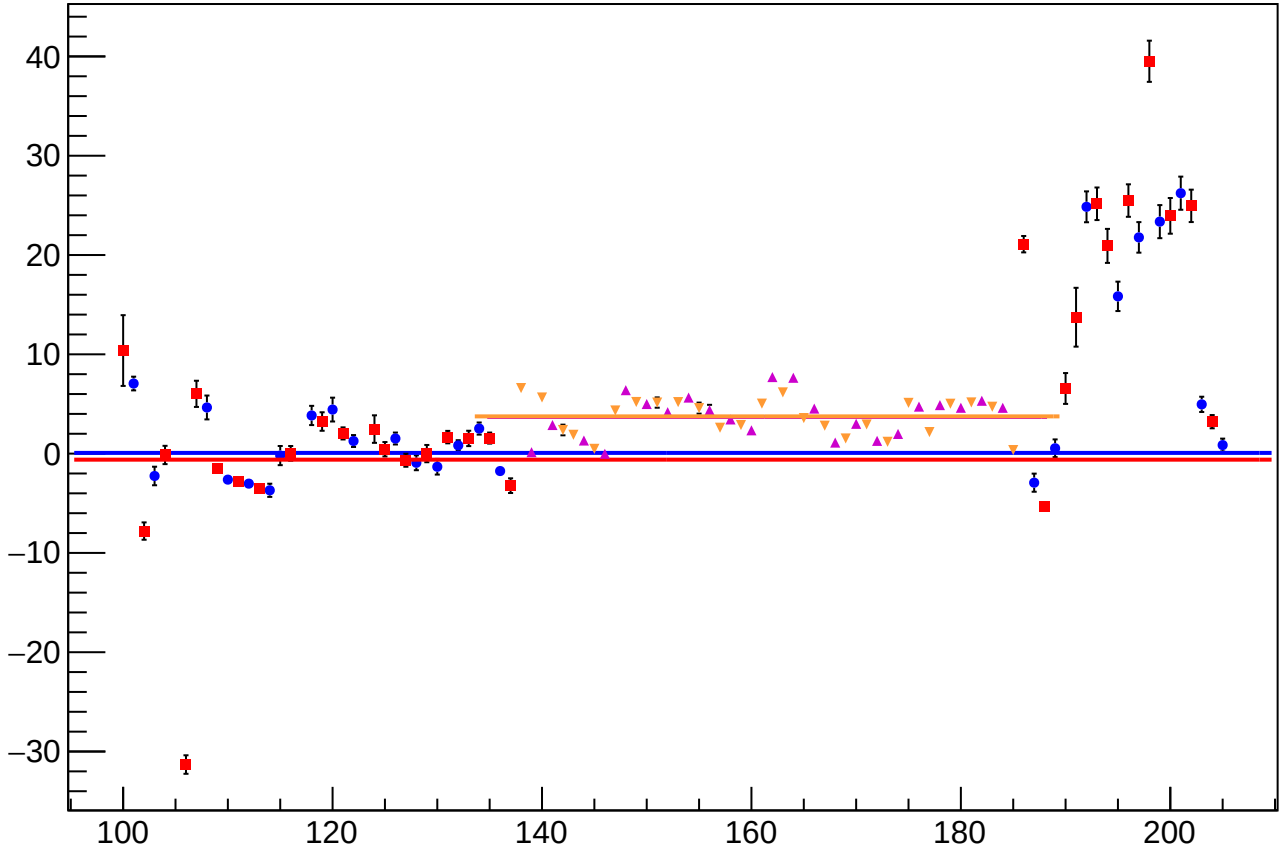
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2112.1/49

All: 0.142+/-0.002 χ^2/NDF: 5017.5/102

- sign 0.135+/-0.003 χ^2/NDF: 2890.1/52

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.072+/-0.127 χ^2/NDF: 1490.4/24

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.609+/-0.119 χ^2/NDF: 3760.7/29

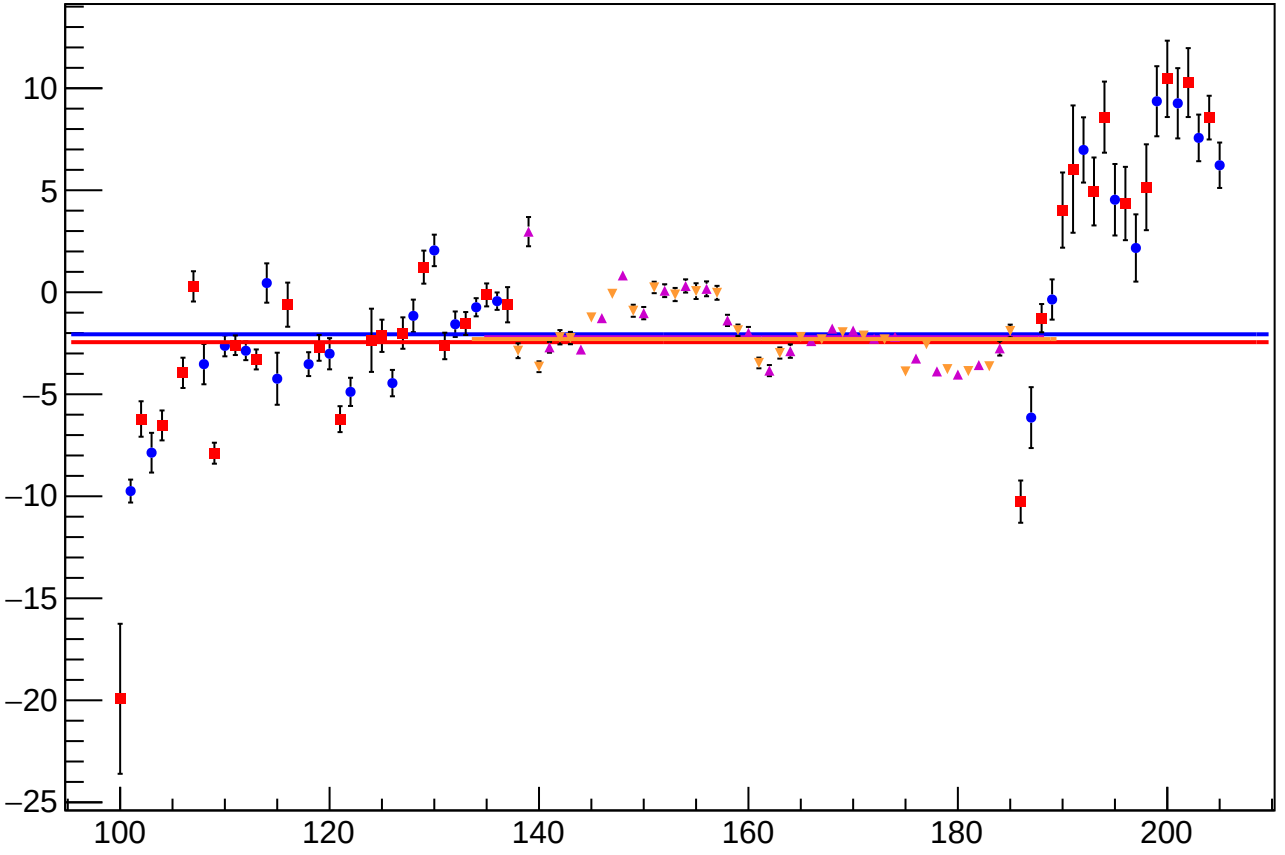
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.041+/-0.056 χ^2/NDF: 2978.7/49

All: 2.883+/-0.040 χ^2/NDF: 8726.3/102

- sign 2.721+/-0.056 χ^2/NDF: 5731.2/52

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.060+/-0.148 χ^2/NDF: 607.5/24

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.446+/-0.147 χ^2/NDF: 665.5/29

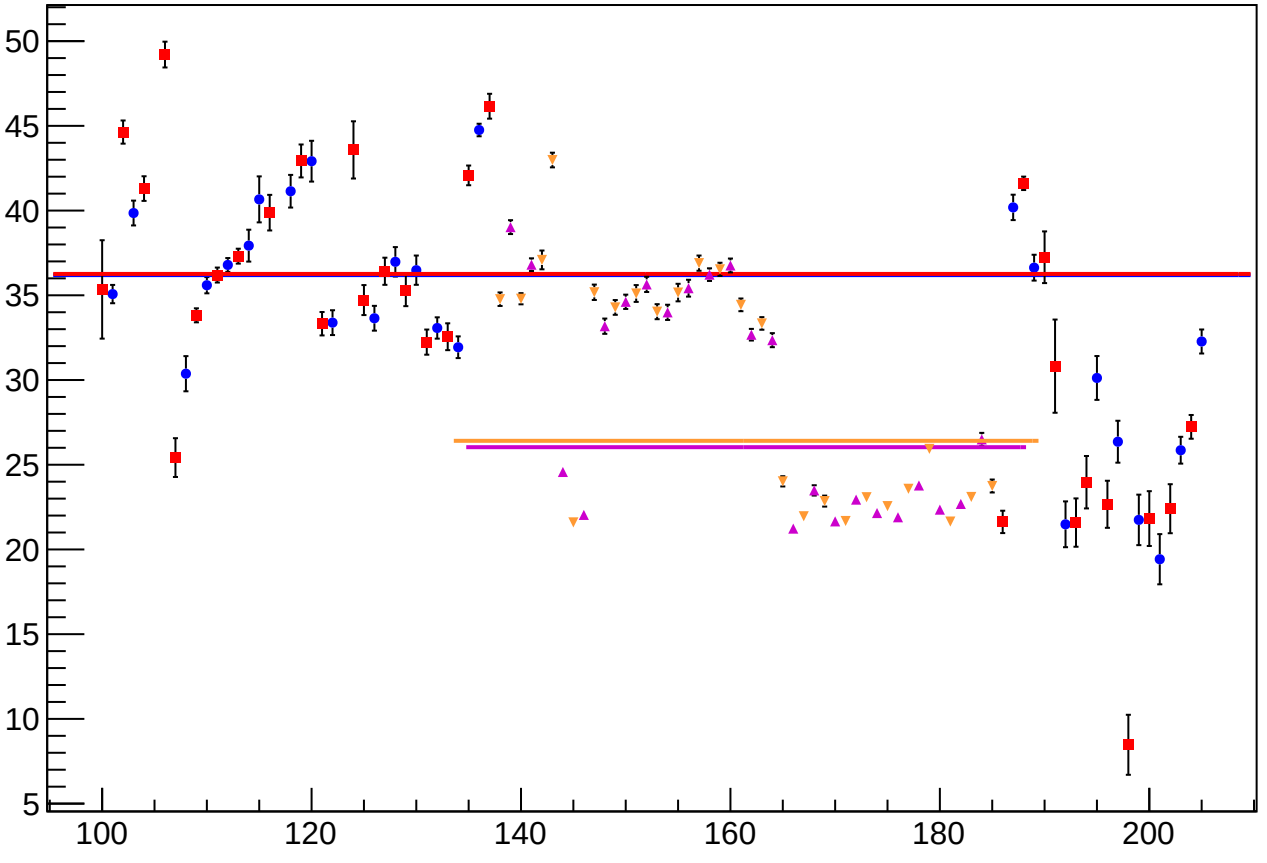
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.271+/-0.047 χ^2/NDF: 1241.2/49

All: -2.251+/-0.034 χ^2/NDF: 2634.2/102

- sign -2.230+/-0.048 χ^2/NDF: 1392.6/52

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.191+/-0.144 χ^2/NDF: 1423.8/24

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.261+/-0.137 χ^2/NDF: 2577.5/29

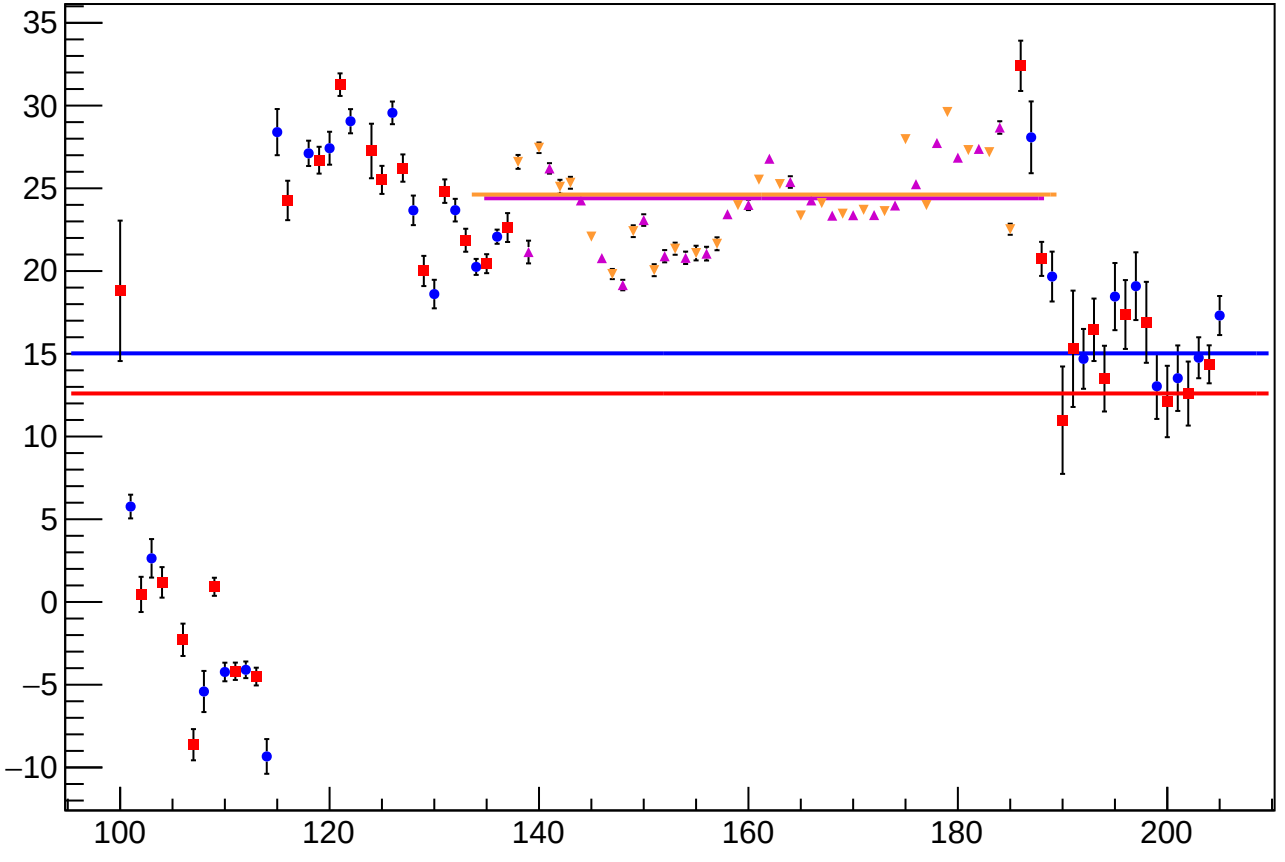
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.959+/-0.057 χ^2/NDF: 14550.7/49

All: 27.911+/-0.041 χ^2/NDF: 29544.6/102

- sign 27.860+/-0.058 χ^2/NDF: 14992.4/52

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 15.026+/-0.166 χ^2/NDF: 5745.8/24

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

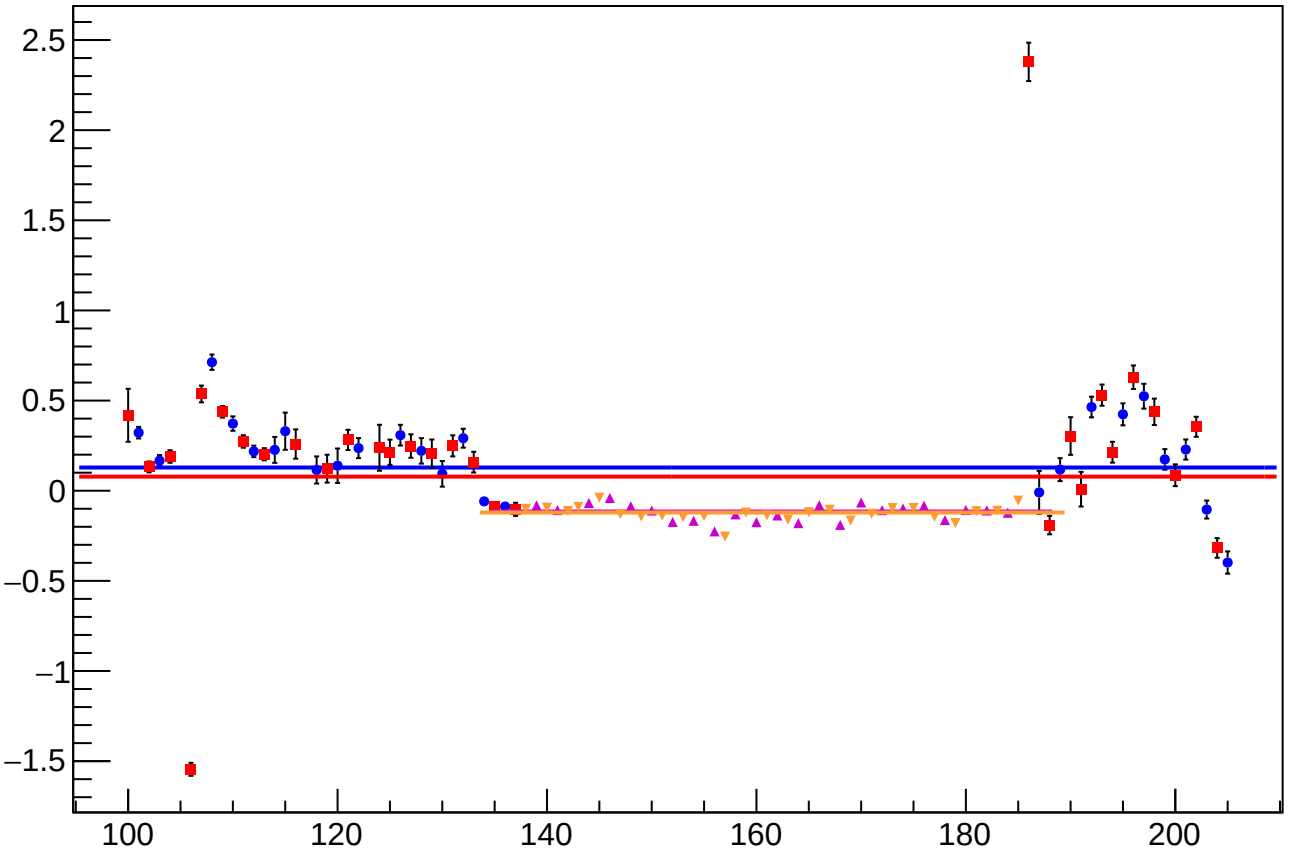
Right Out: 12.602+/-0.167 χ^2/NDF: 6367.0/29

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.667+/-0.052 χ^2/NDF: 10715.0/49

All: 23.434+/-0.037 χ^2/NDF: 23298.7/102

- sign 23.192+/-0.053 χ^2/NDF: 12543.5/52



Right In: 0.129+/-0.009 χ^2/NDF: 710.9/24

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.078+/-0.009 χ^2/NDF: 3170.7/29

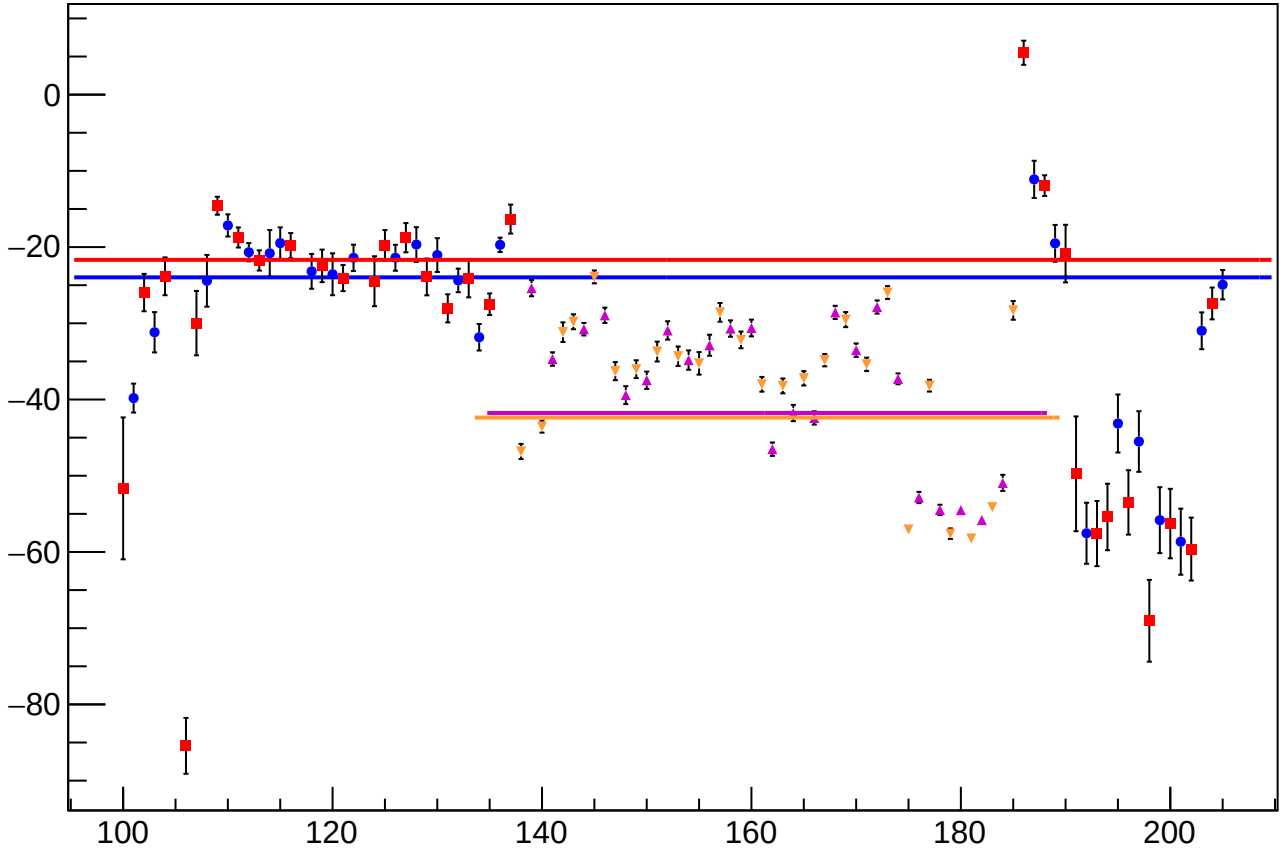
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.102+/-0.002 χ^2/NDF: 1760.3/49

All: -0.101+/-0.002 χ^2/NDF: 5674.2/102

\- sign -0.101+/-0.002 χ^2/NDF: 3913.8/52

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.971+/-0.396 χ^2/NDF: 446.3/24

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

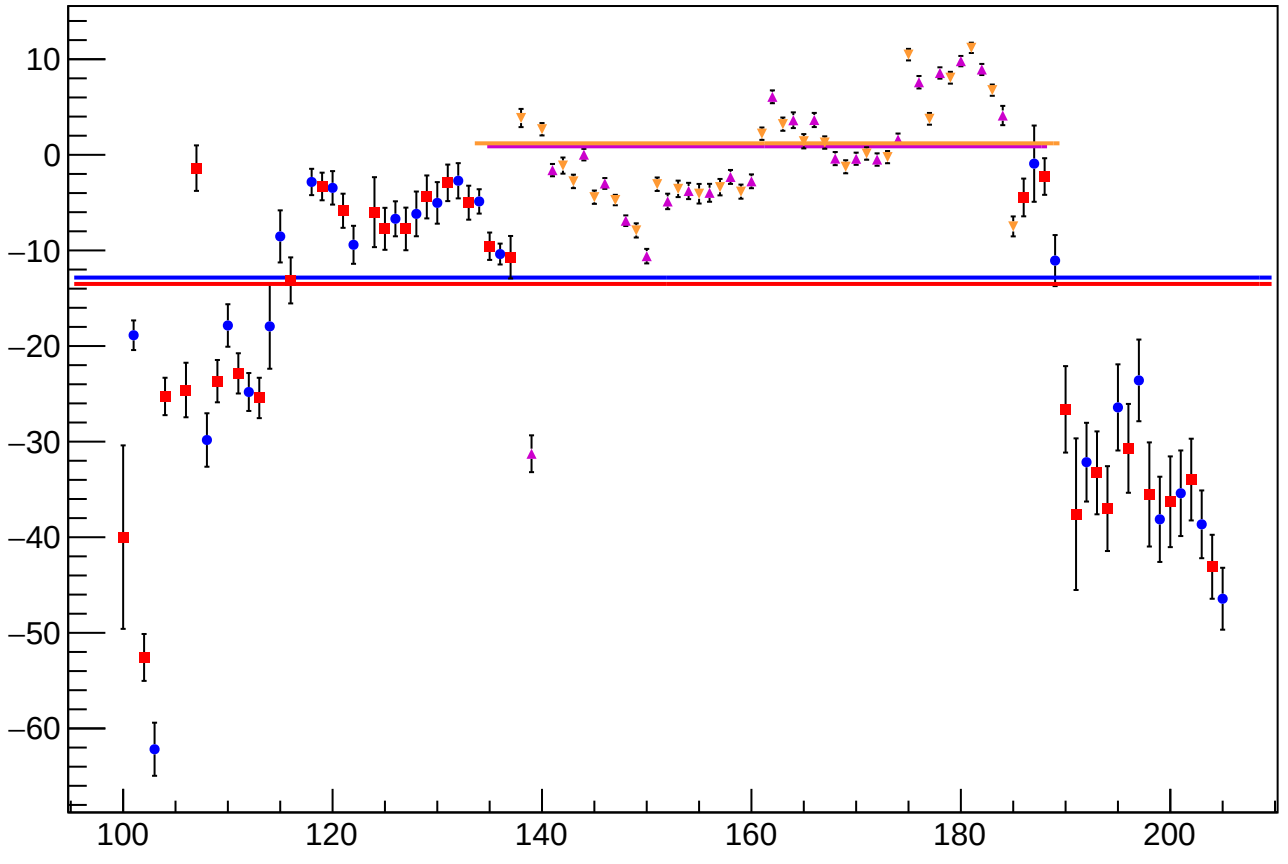
Right Out: -21.675+/-0.382 χ^2/NDF: 1181.1/29

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.354+/-0.160 χ^2/NDF: 6728.2/49

All: -38.724+/-0.115 χ^2/NDF: 13652.2/102

- sign -38.062+/-0.164 χ^2/NDF: 6892.3/52



Right In: -12.839+/-0.426 χ^2/NDF: 869.2/24

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

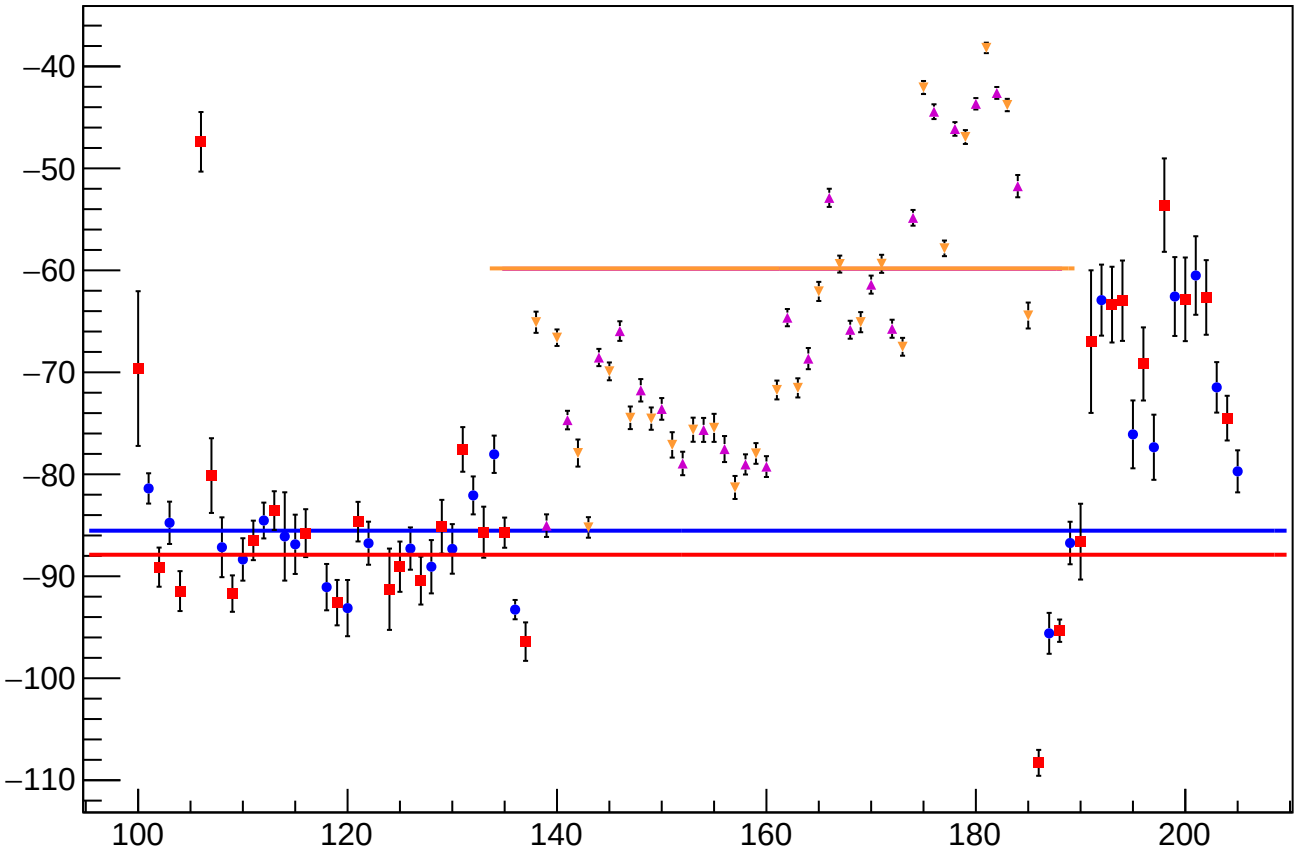
Right Out: -13.505+/-0.435 χ^2/NDF: 852.4/29

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.132+/-0.131 χ^2/NDF: 3315.4/49

All: -0.317+/-0.094 χ^2/NDF: 6924.3/102

- sign -0.514+/-0.136 χ^2/NDF: 3604.8/52



Right In: -85.530+/-0.422 χ^2/NDF: 314.6/24

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

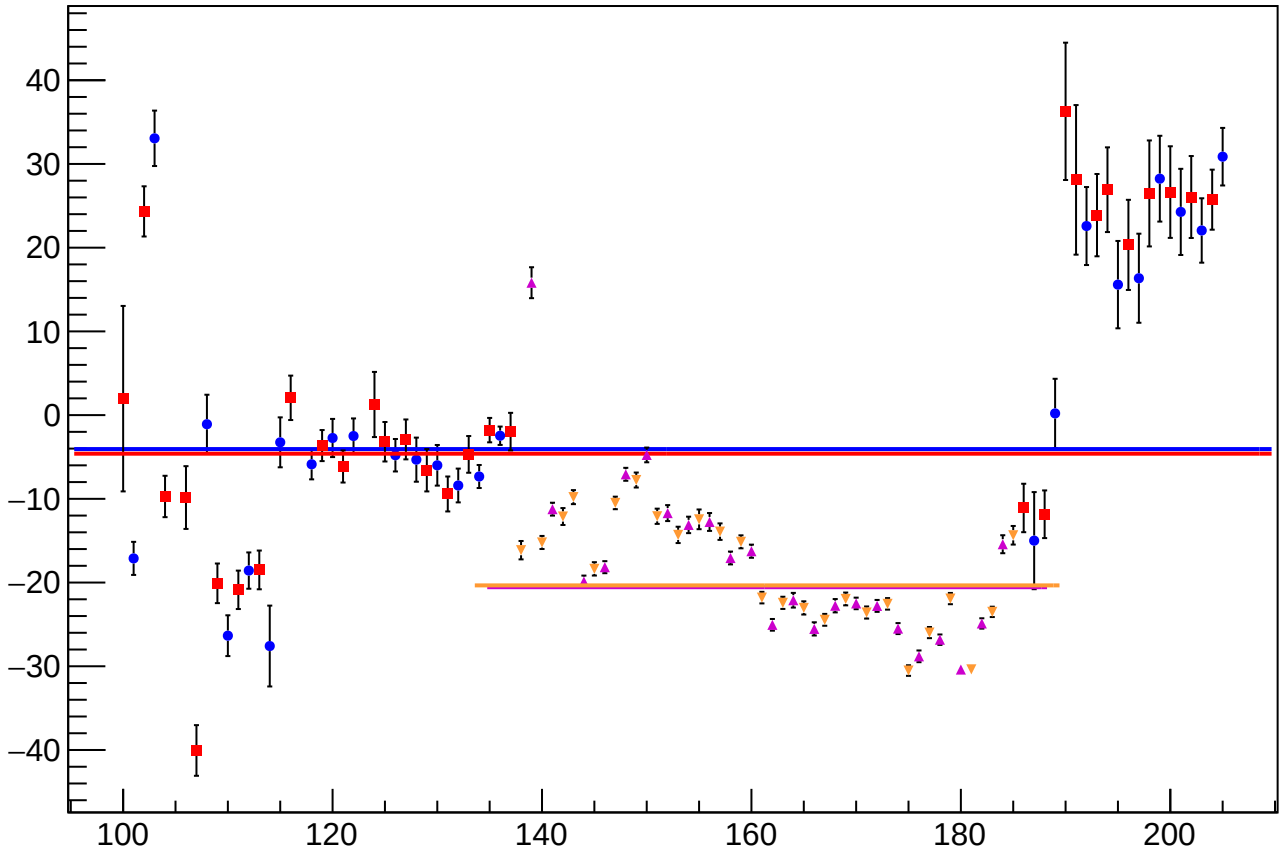
Right Out: -87.888+/-0.406 χ^2/NDF: 875.4/29

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

\+ sign -63.592+/-0.162 χ^2/NDF: 10125.9/49

All: -64.032+/-0.116 χ^2/NDF: 20524.5/102

\- sign -64.492+/-0.165 χ^2/NDF: 10383.5/52



Right In: -4.056+/-0.482 χ^2/NDF: 623.2/24

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -4.608+/-0.502 χ^2/NDF: 698.7/29

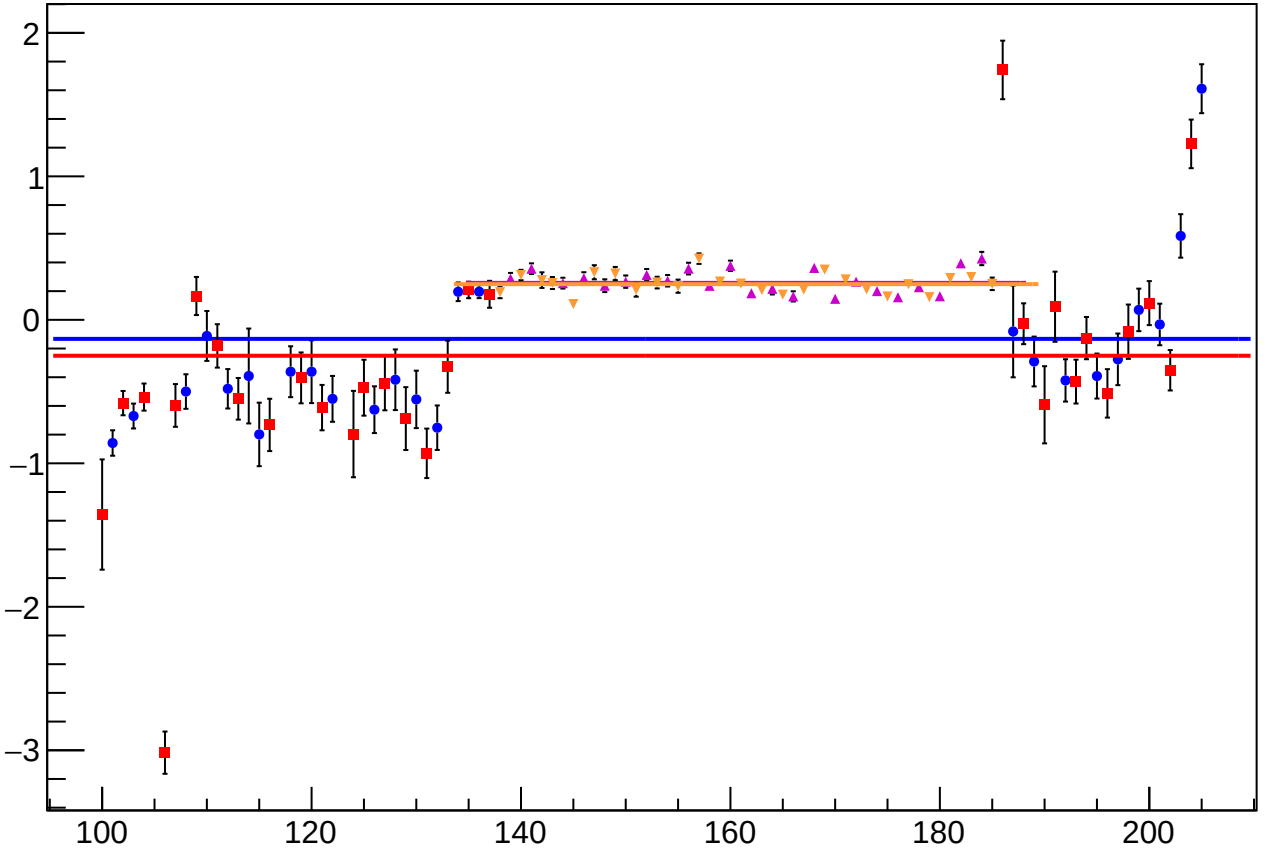
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.818+/-0.147 χ^2/NDF: 3360.6/49

All: -18.950+/-0.106 χ^2/NDF: 7171.9/102

- sign -19.090+/-0.152 χ^2/NDF: 3809.7/52

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.133+/-0.024 χ^2/NDF: 388.4/24

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.250+/-0.025 χ^2/NDF: 716.8/29

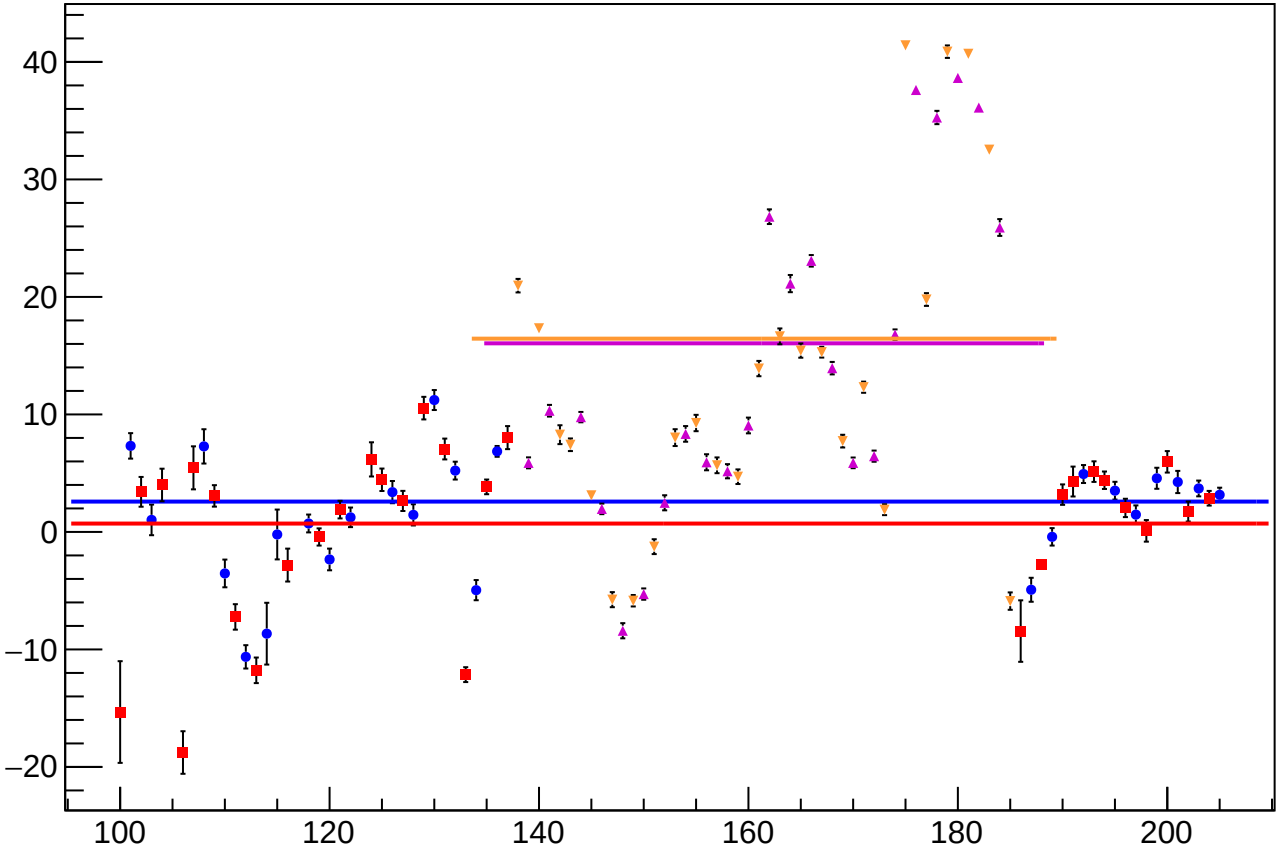
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.219+/-0.007 χ^2/NDF: 713.3/49

All: 0.220+/-0.005 χ^2/NDF: 1934.6/102

- sign 0.221+/-0.007 χ^2/NDF: 1221.3/52

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.583+/-0.169 χ^2/NDF: 668.2/24

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

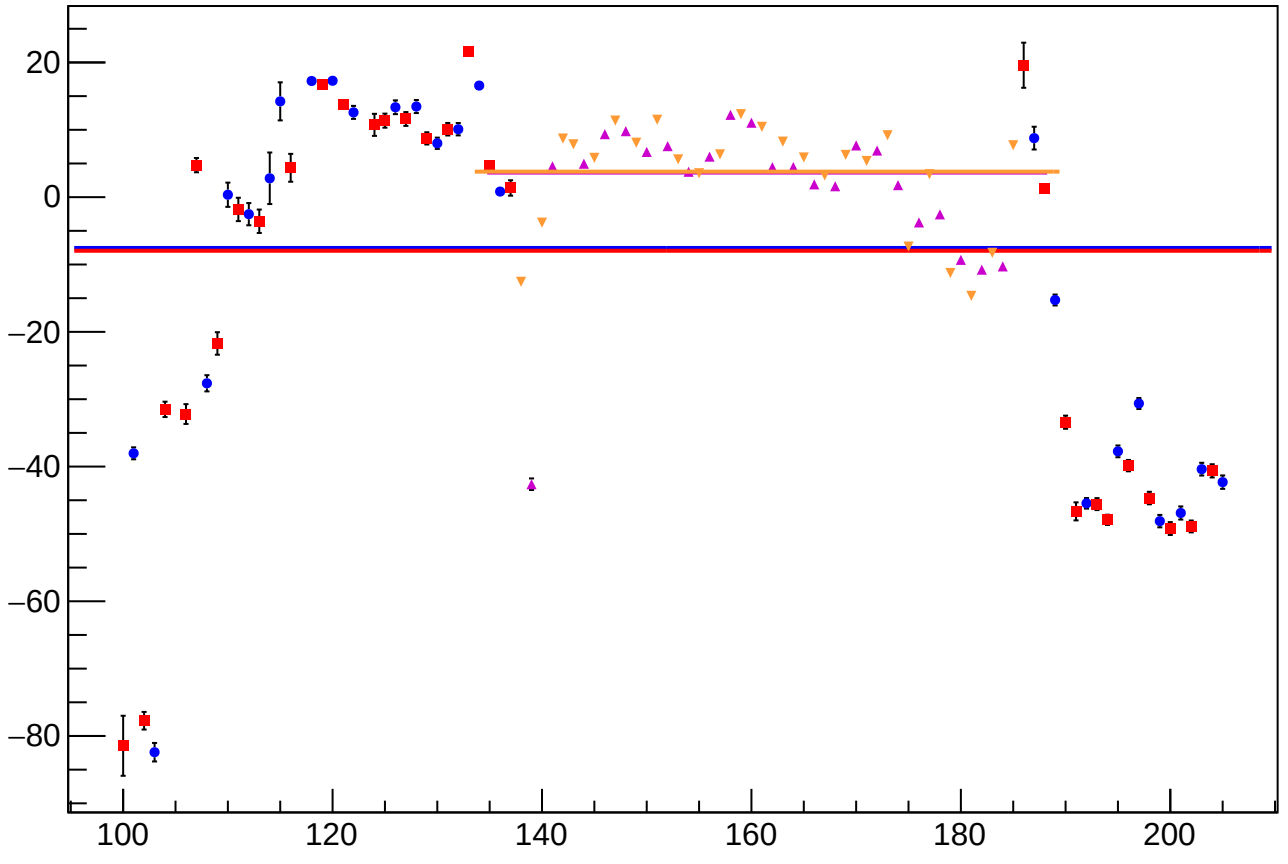
Right Out: 0.712+/-0.157 χ^2/NDF: 1245.7/29

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 12.632+/-0.089 χ^2/NDF: 26961.1/49

All: 11.905+/-0.063 χ^2/NDF: 52466.9/102

- sign 11.178+/-0.089 χ^2/NDF: 25371.1/52



Right In: -7.544+/-0.173 χ^2/NDF: 23455.7/24

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.958+/-0.164 χ^2/NDF: 28380.4/29

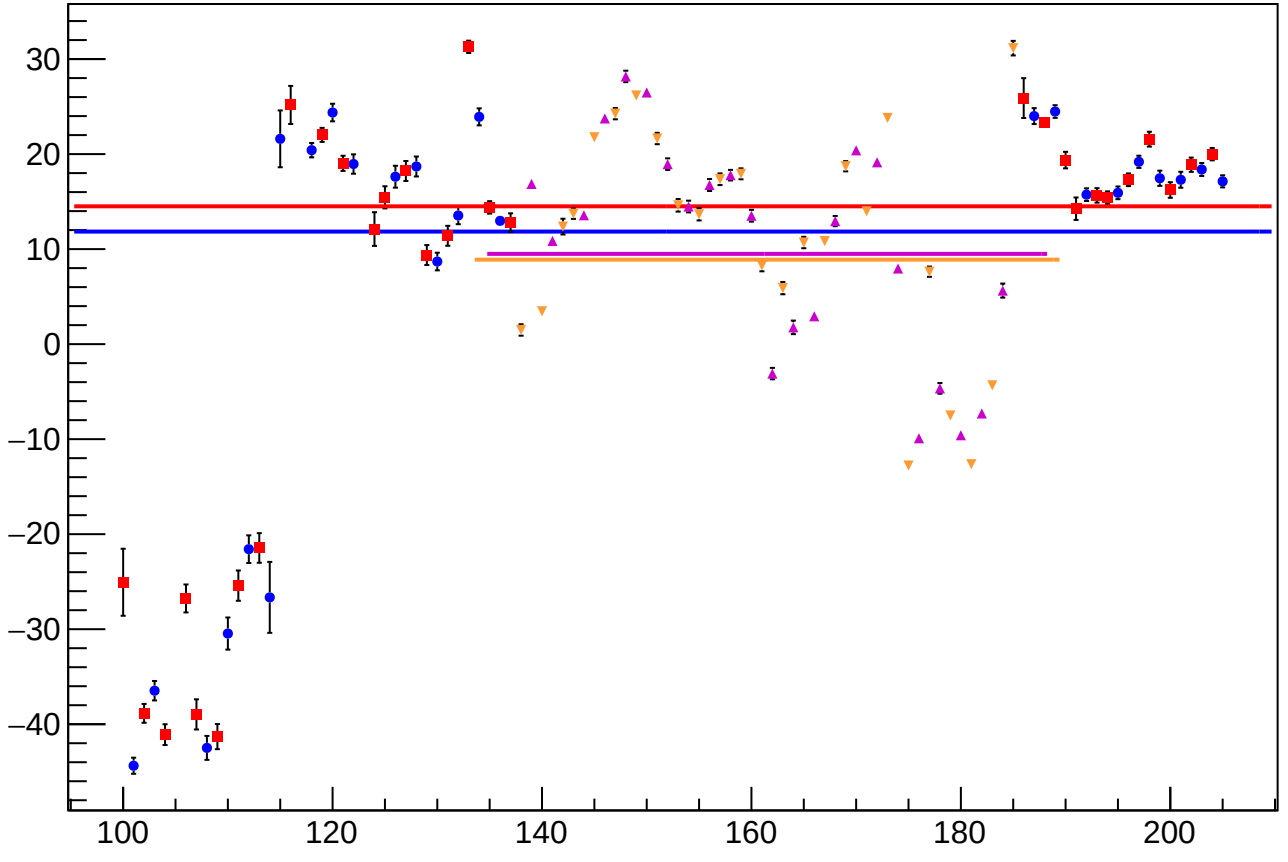
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign 1.792+/-0.073 χ^2/NDF: 36087.7/49

All: 1.548+/-0.052 χ^2/NDF: 76770.5/102

\- sign 1.295+/-0.074 χ^2/NDF: 40660.0/52

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 11.845+/-0.167 χ^2/NDF: 11403.0/24

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

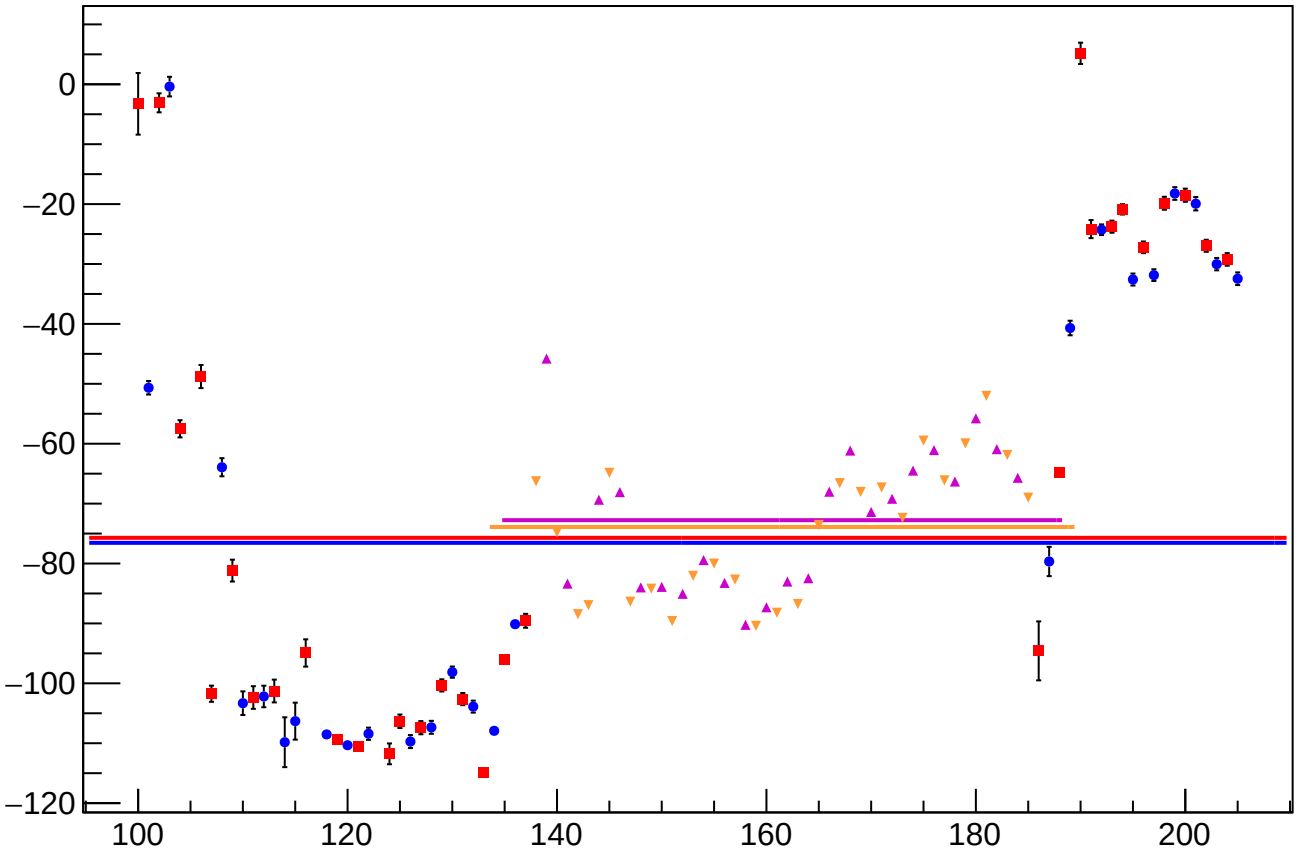
Right Out: 14.503+/-0.151 χ^2/NDF: 12456.3/29

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.716+/-0.088 χ^2/NDF: 27057.3/49

All: 10.447+/-0.062 χ^2/NDF: 53423.8/102

- sign 11.162+/-0.087 χ^2/NDF: 26230.1/52



Right In: -76.545+/-0.201 χ^2/NDF: 32392.1/24

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -75.709+/-0.194 χ^2/NDF: 39905.6/29

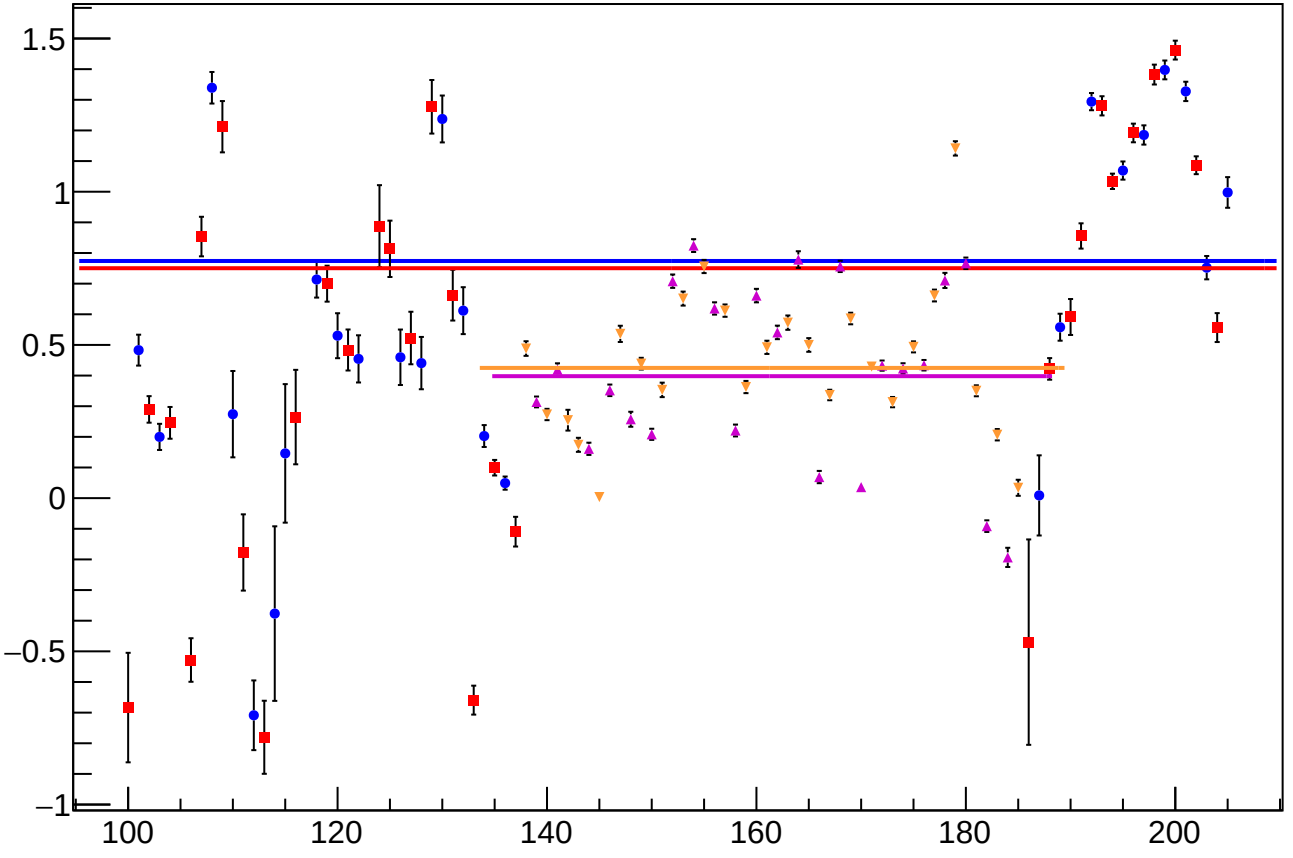
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -74.352+/-0.082 χ^2/NDF: 48102.6/49

All: -73.844+/-0.059 χ^2/NDF: 100885.1/102

- sign -73.316+/-0.084 χ^2/NDF: 52705.3/52

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.774+/-0.009 χ^2/NDF: 3443.8/24

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.750+/-0.008 χ^2/NDF: 4587.1/29

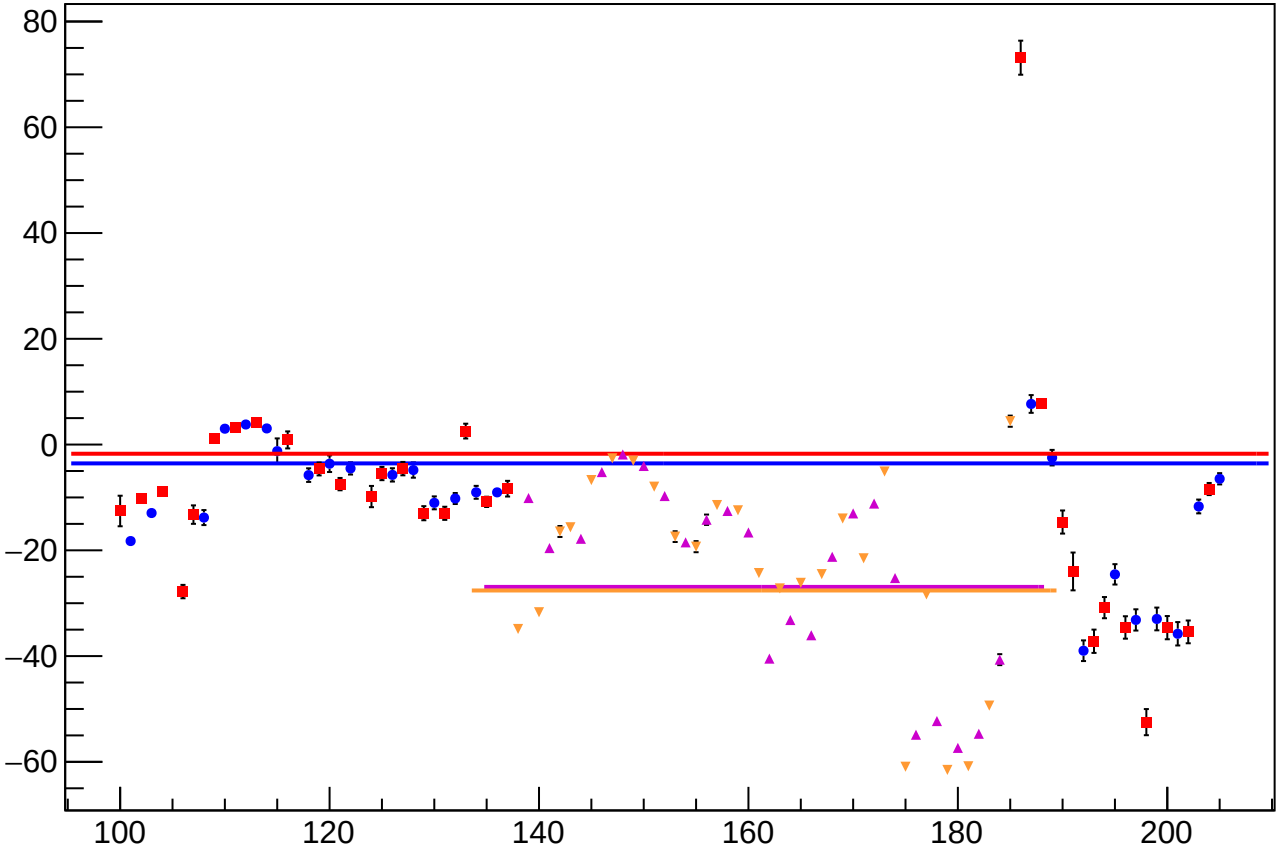
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.486+/-0.004 χ^2/NDF: 7768.7/49

All: 0.476+/-0.003 χ^2/NDF: 18062.5/102

- sign 0.467+/-0.004 χ^2/NDF: 10280.7/52

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.561+/-0.181 χ^2/NDF: 2699.0/24

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.736+/-0.161 χ^2/NDF: 3893.7/29

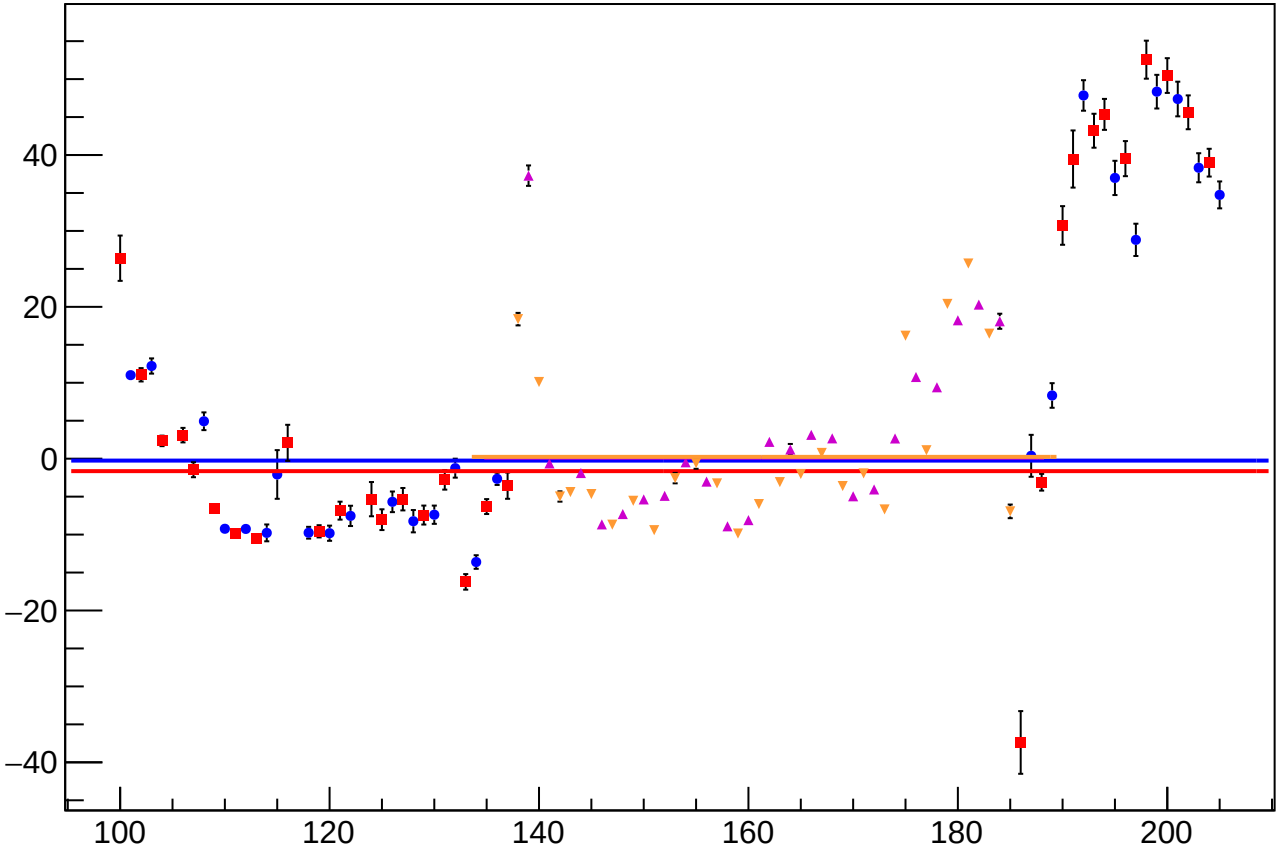
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.237+/-0.113 χ^2/NDF: 33258.5/49

All: -16.719+/-0.079 χ^2/NDF: 66194.2/102

- sign -15.289+/-0.109 χ^2/NDF: 32583.9/52

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -0.252+/-0.214 χ^2/NDF: 4443.4/24

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

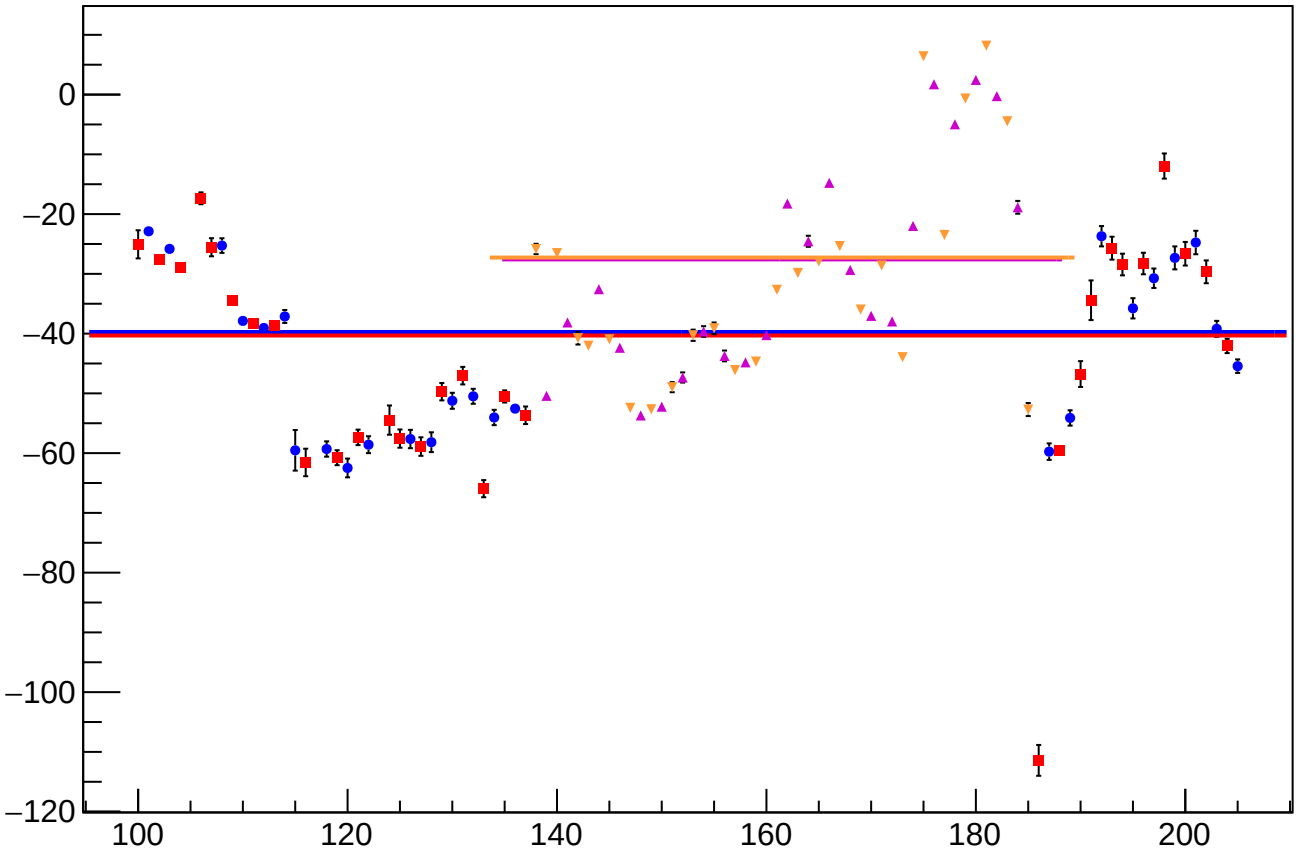
Right Out: -1.642+/-0.206 χ^2/NDF: 4772.6/29

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.135+/-0.098 χ^2/NDF: 12483.2/49

All: -0.071+/-0.070 χ^2/NDF: 23158.6/102

- sign -0.286+/-0.100 χ^2/NDF: 10666.4/52



Right In: -39.729+/-0.205 χ^2/NDF: 3545.9/24

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.317+/-0.191 χ^2/NDF: 4971.2/29

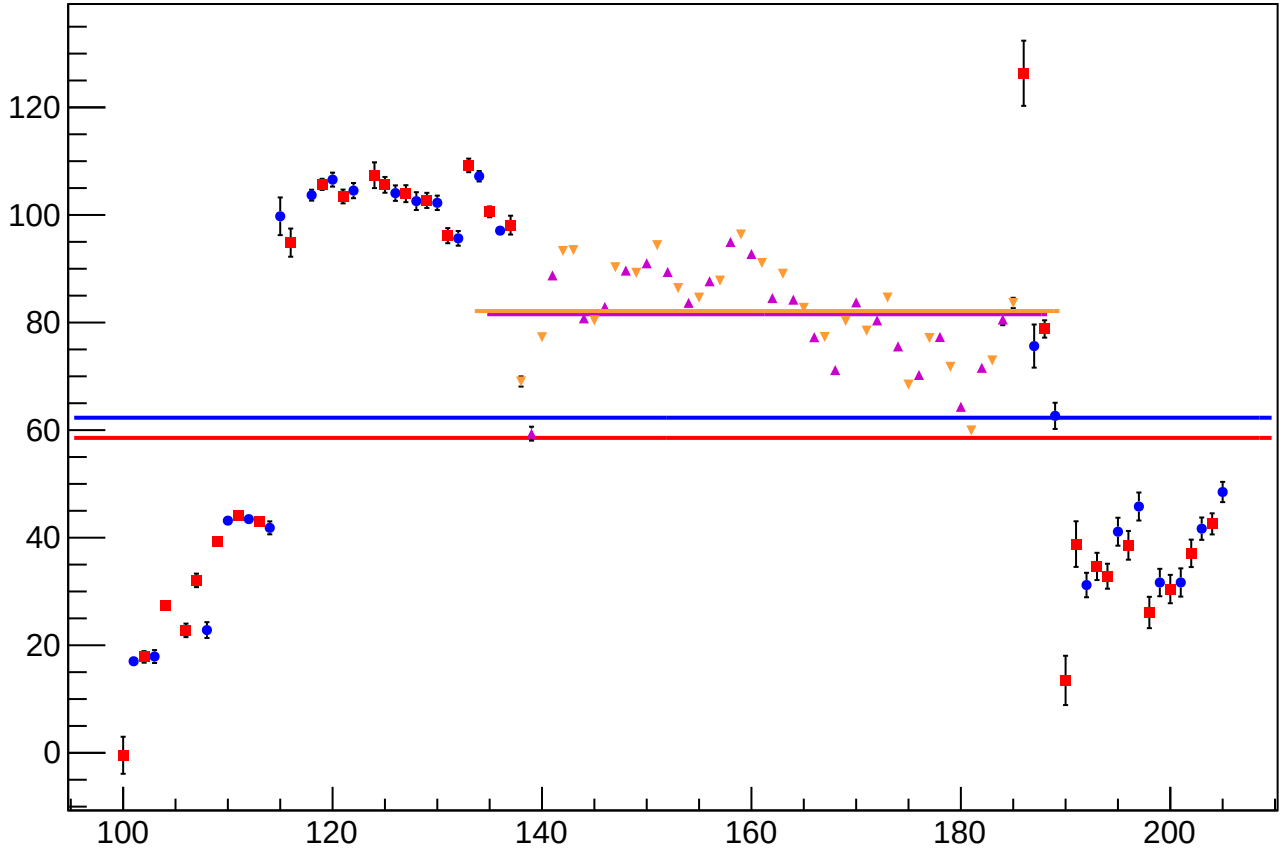
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.377+/-0.118 χ^2/NDF: 24543.2/49

All: -31.881+/-0.083 χ^2/NDF: 47979.8/102

- sign -32.379+/-0.117 χ^2/NDF: 23400.2/52

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 62.304+/-0.245 χ^2/NDF: 19388.1/24

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.554+/-0.237 χ^2/NDF: 18499.5/29

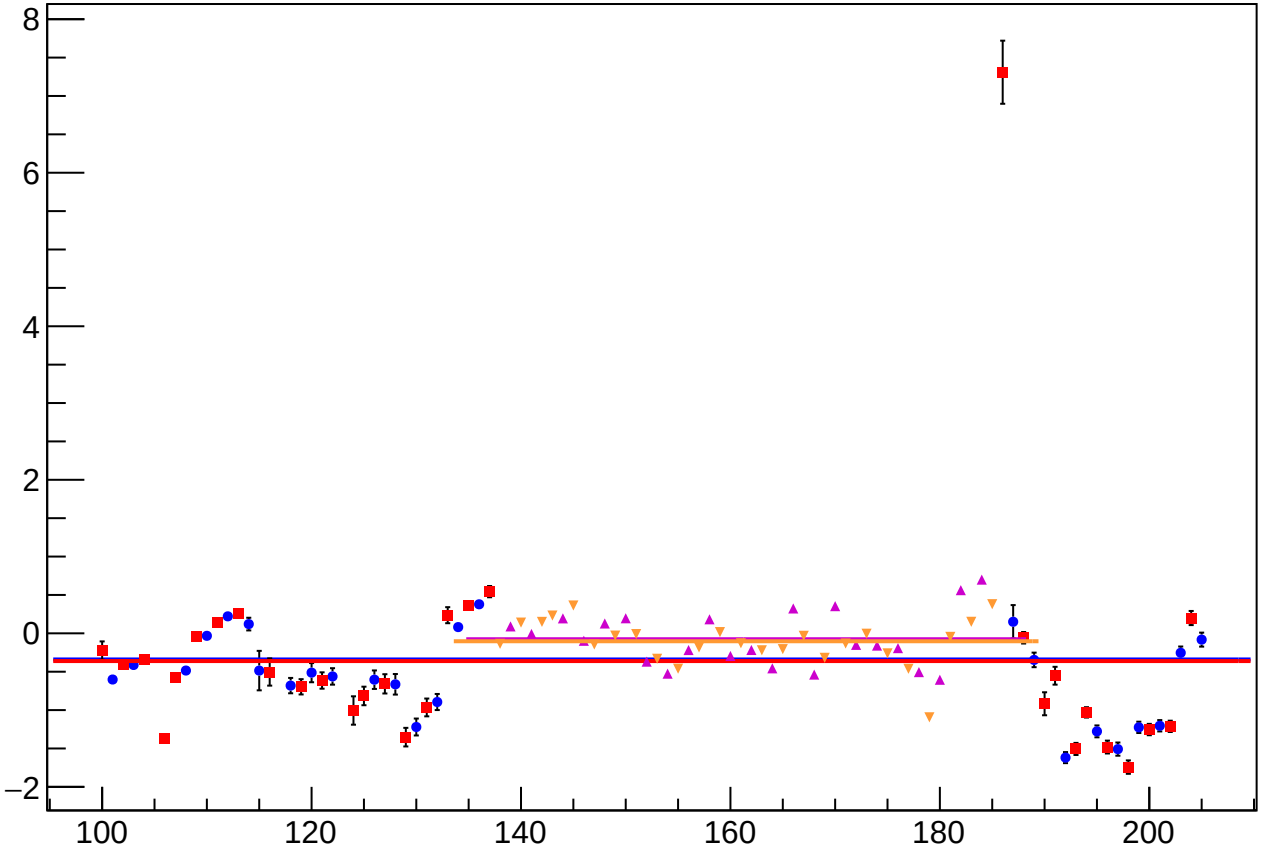
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.060+/-0.111 χ^2/NDF: 29954.6/49

All: 77.187+/-0.079 χ^2/NDF: 59888.9/102

- sign 76.282+/-0.113 χ^2/NDF: 29808.9/52

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.340+/-0.012 χ^2/NDF: 1983.3/24

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.361+/-0.012 χ^2/NDF: 2929.8/29

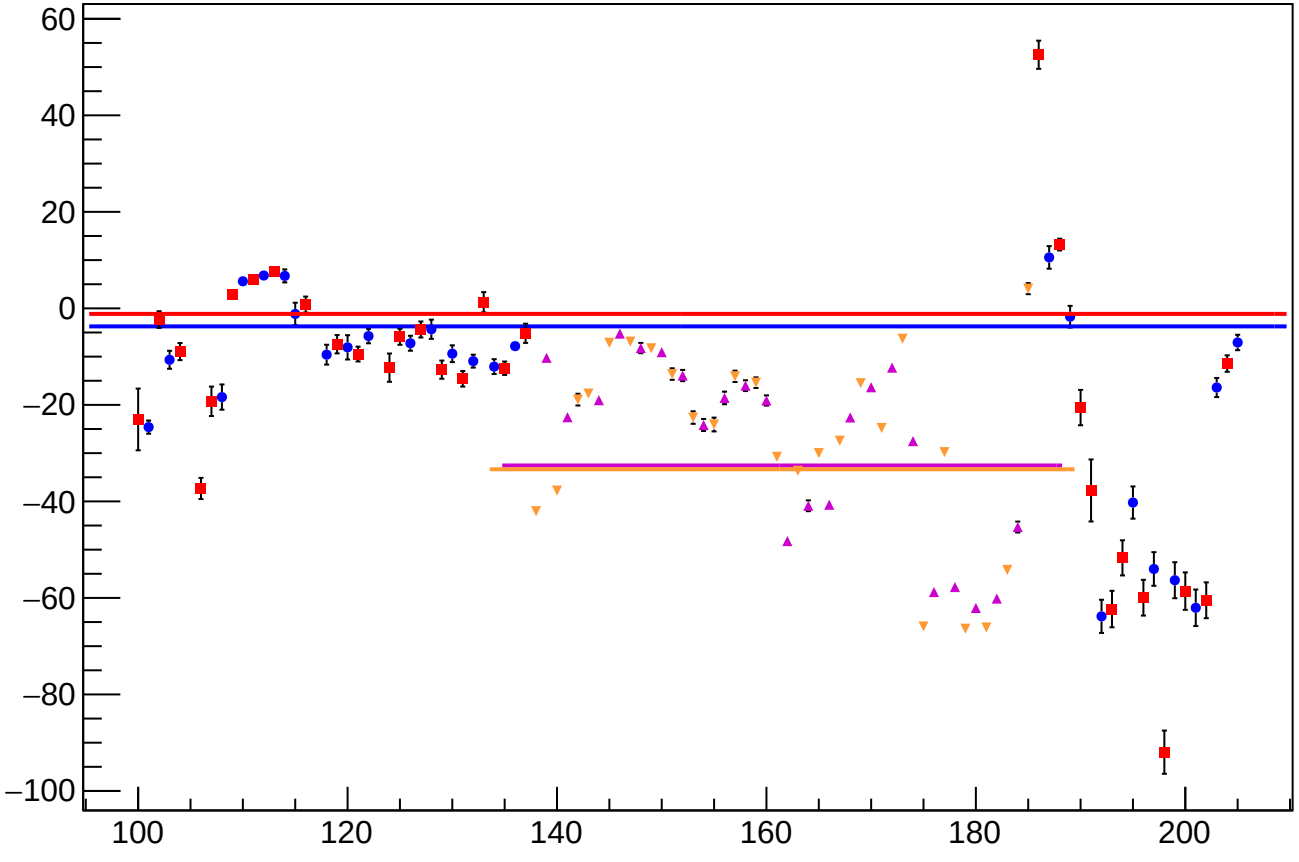
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4707.0/49

All: -0.139+/-0.004 χ^2/NDF: 11442.5/102

- sign -0.133+/-0.005 χ^2/NDF: 6732.6/52

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -3.737+/-0.289 χ^2/NDF: 2098.1/24

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.145+/-0.265 χ^2/NDF: 3116.5/29

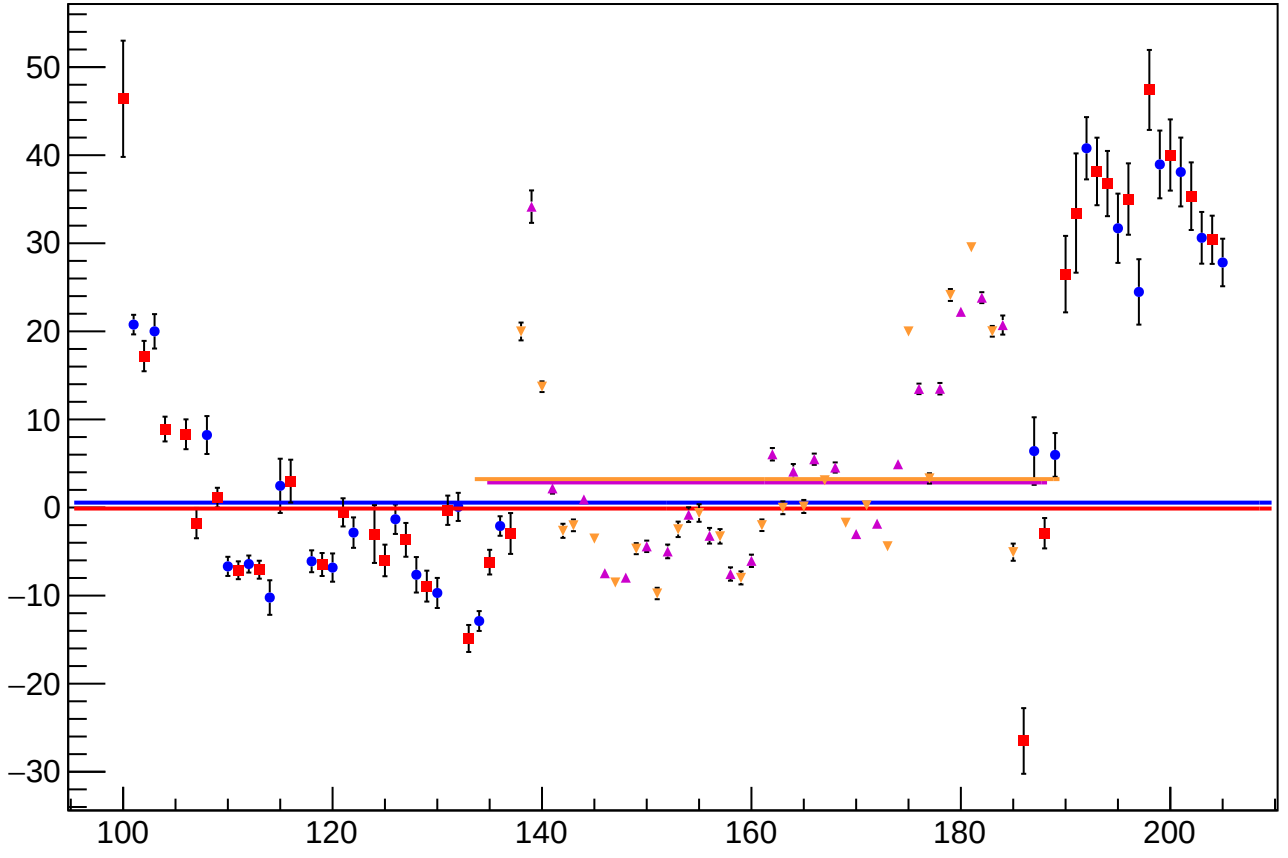
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.098+/-0.143 χ^2/NDF: 28008.3/49

All: -24.772+/-0.101 χ^2/NDF: 55160.0/102

- sign -23.451+/-0.143 χ^2/NDF: 26980.1/52

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.555+/-0.339 χ^2/NDF: 1465.2/24

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

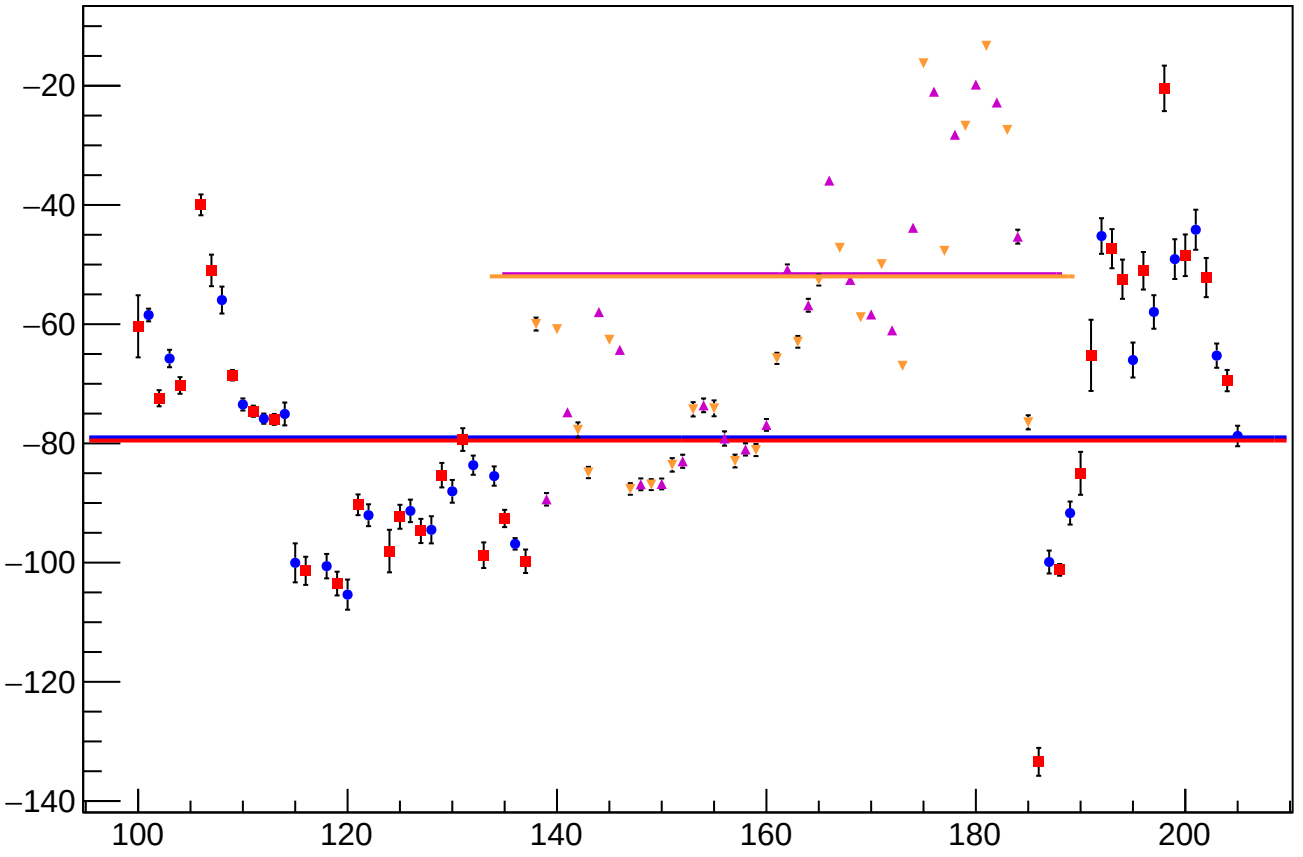
Right Out: -0.117+/-0.335 χ^2/NDF: 1298.4/29

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.890+/-0.120 χ^2/NDF: 9195.2/49

All: 2.675+/-0.086 χ^2/NDF: 16023.4/102

- sign 2.451+/-0.122 χ^2/NDF: 6821.7/52



Right In: -78.995+/-0.330 χ^2/NDF: 1993.9/24

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.517+/-0.314 χ^2/NDF: 3267.8/29

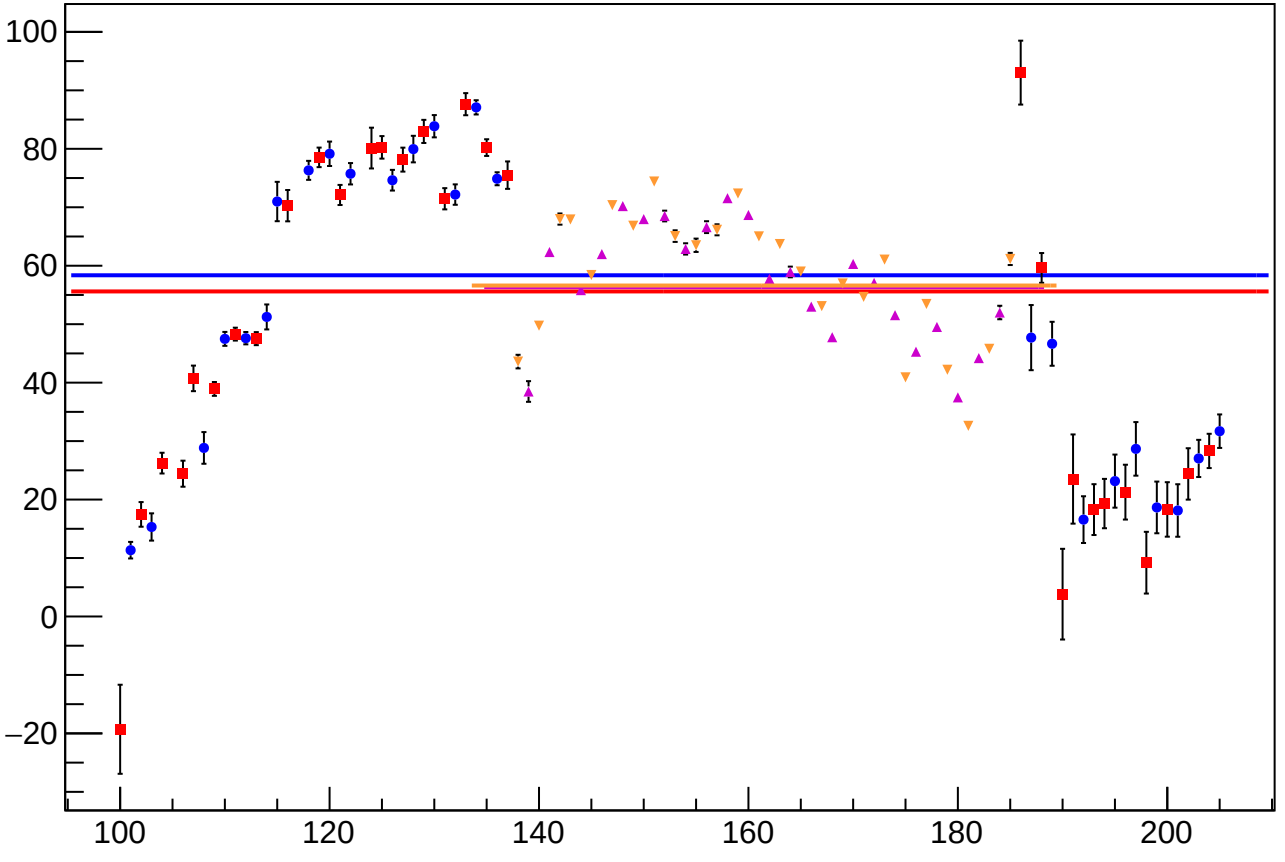
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.374+/-0.147 χ^2/NDF: 28243.8/49

All: -57.632+/-0.105 χ^2/NDF: 55275.2/102

- sign -57.895+/-0.149 χ^2/NDF: 27025.2/52

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 58.366+/-0.383 χ^2/NDF: 3846.6/24

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.602+/-0.381 χ^2/NDF: 3395.0/29

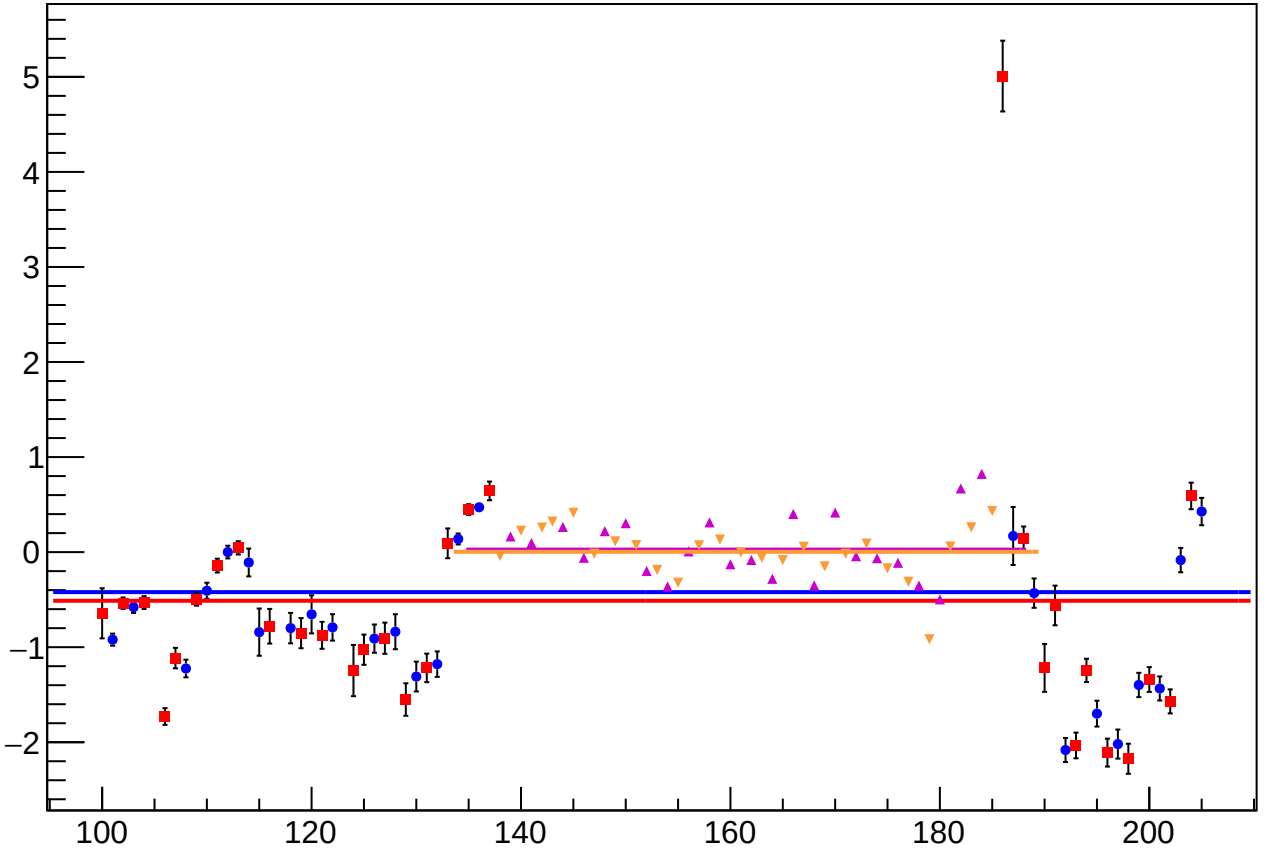
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.829+/-0.135 χ^2/NDF: 9531.1/49

All: 56.546+/-0.096 χ^2/NDF: 16907.1/102

- sign 56.251+/-0.138 χ^2/NDF: 7367.0/52

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.421+/-0.020 χ^2/NDF: 1307.6/24

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.512+/-0.020 χ^2/NDF: 1671.2/29

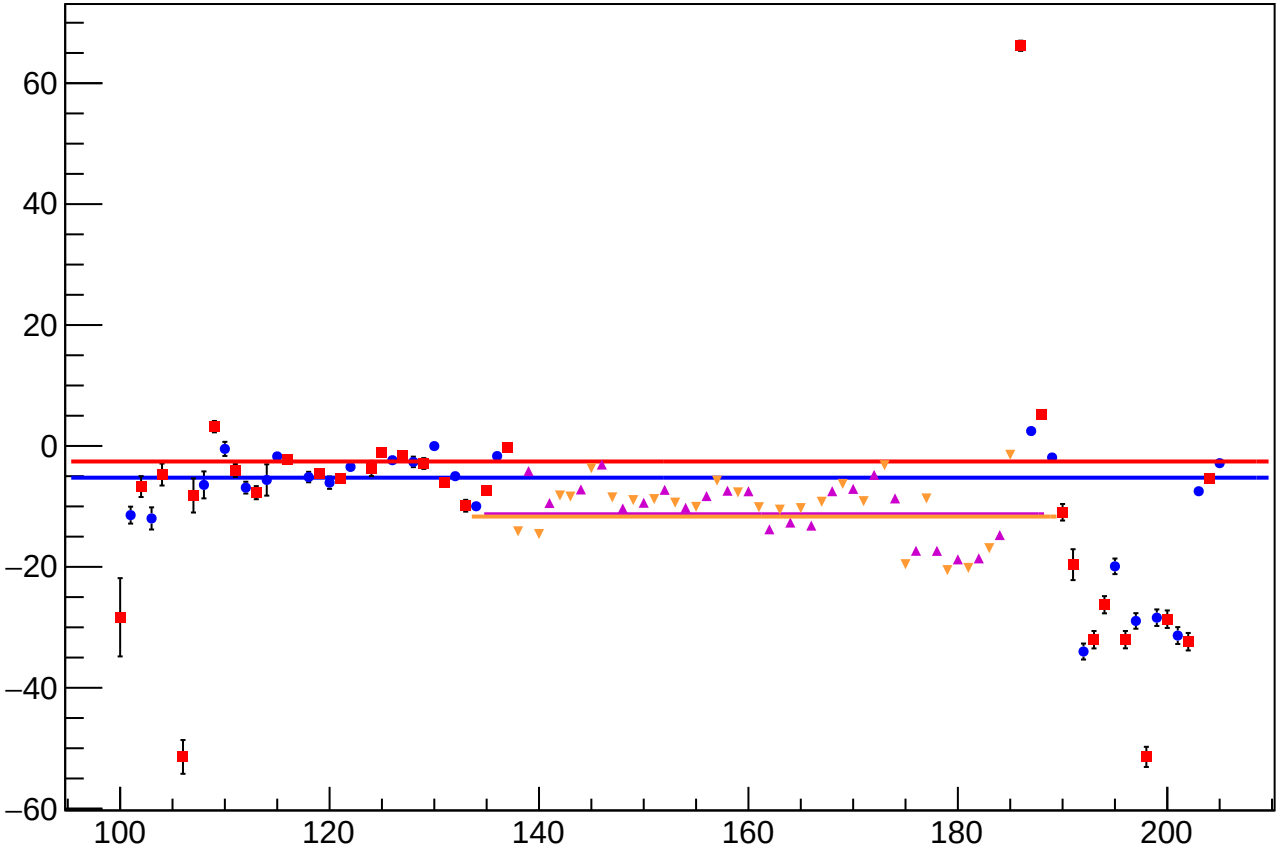
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.038+/-0.006 χ^2/NDF: 3428.3/49

All: -0.033+/-0.004 χ^2/NDF: 8120.6/102

- sign -0.028+/-0.006 χ^2/NDF: 4691.1/52

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.247+/-0.160 χ^2/NDF: 2023.3/24

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

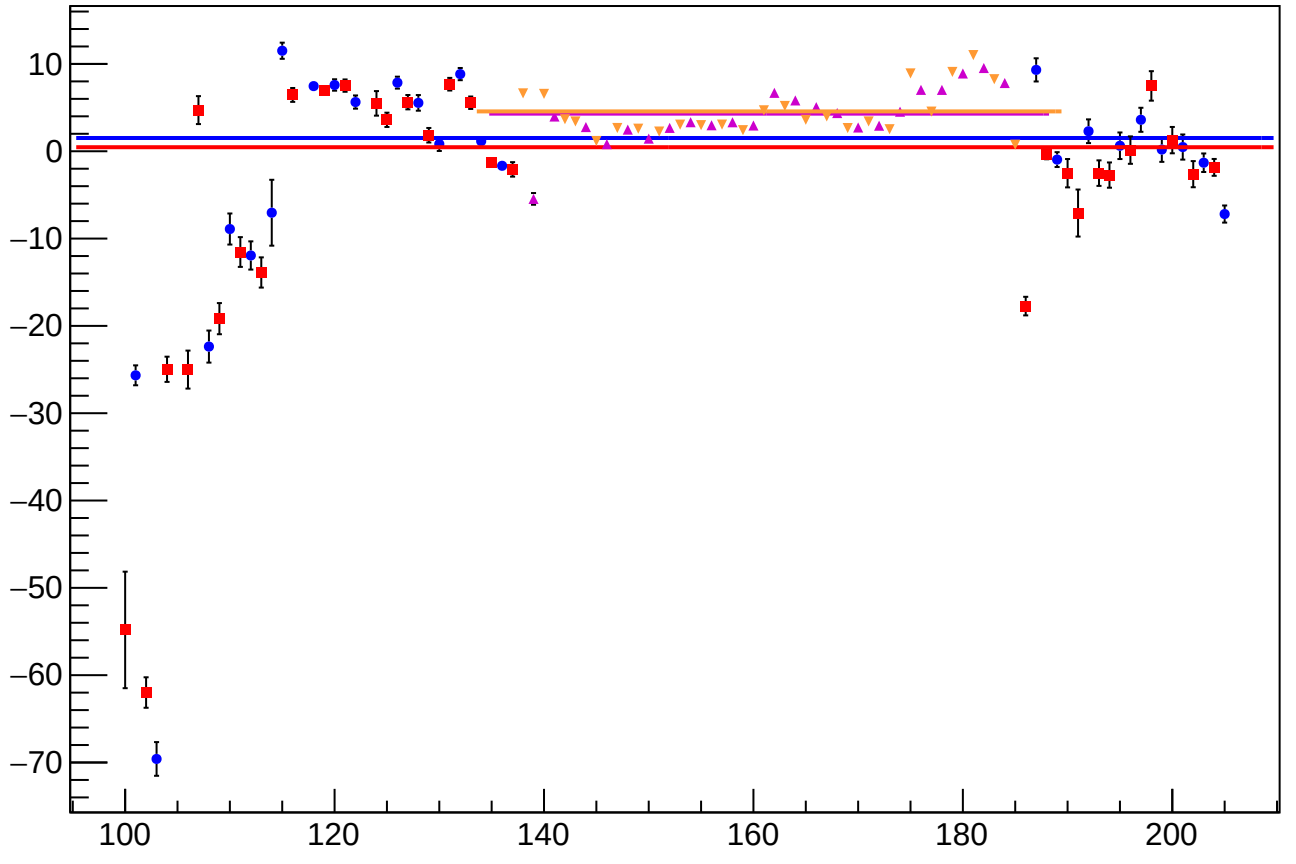
Right Out: -2.569+/-0.162 χ^2/NDF: 10430.8/29

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.052+/-0.050 χ^2/NDF: 16083.7/49

All: -10.745+/-0.036 χ^2/NDF: 38448.9/102

- sign -10.424+/-0.051 χ^2/NDF: 22288.4/52



Right In: 1.519+/-0.171 χ^2/NDF: 2975.7/24

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.462+/-0.180 χ^2/NDF: 2927.8/29

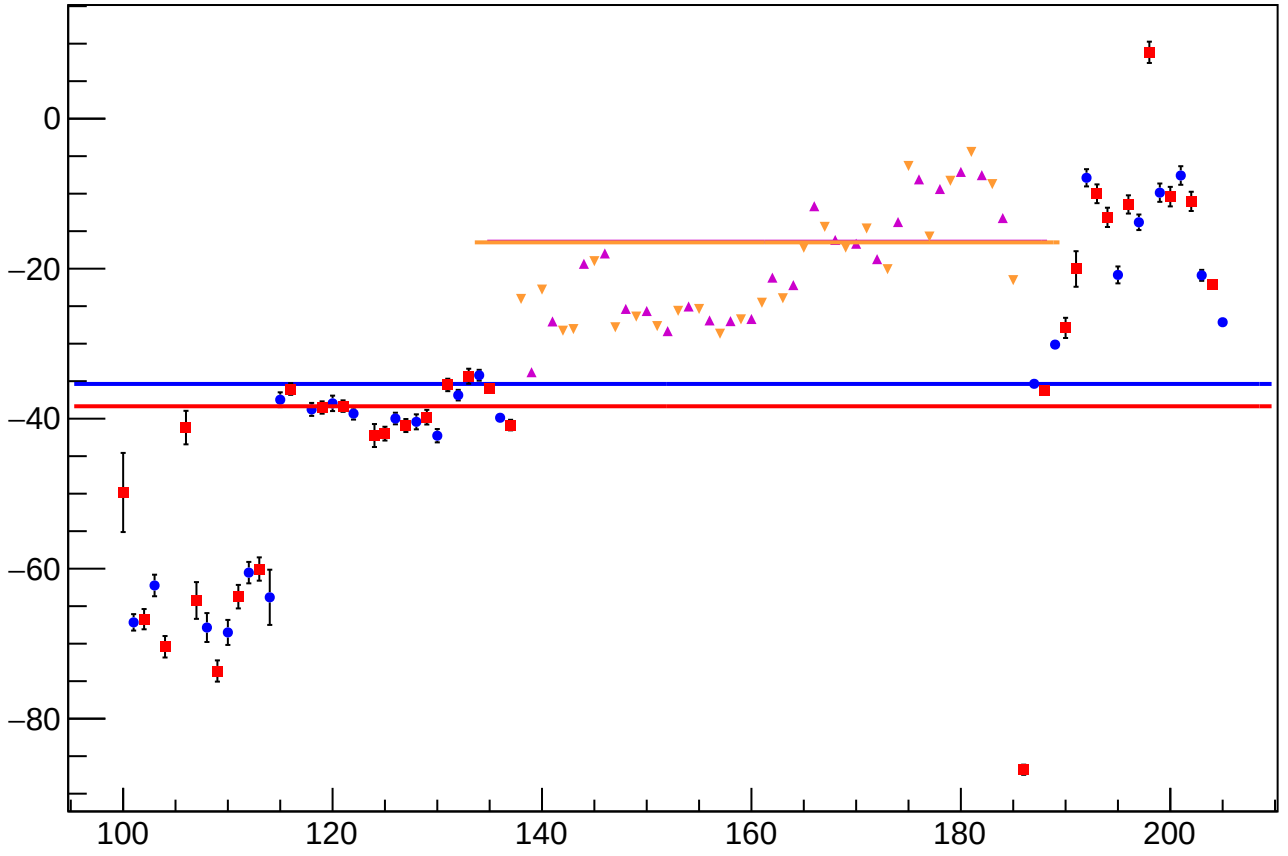
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.395+/-0.040 χ^2/NDF: 7632.9/49

All: 4.254+/-0.029 χ^2/NDF: 14627.9/102

- sign 4.108+/-0.041 χ^2/NDF: 6970.2/52

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -35.370+/-0.167 χ^2/NDF: 5319.2/24

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -38.347+/-0.165 χ^2/NDF: 11611.4/29

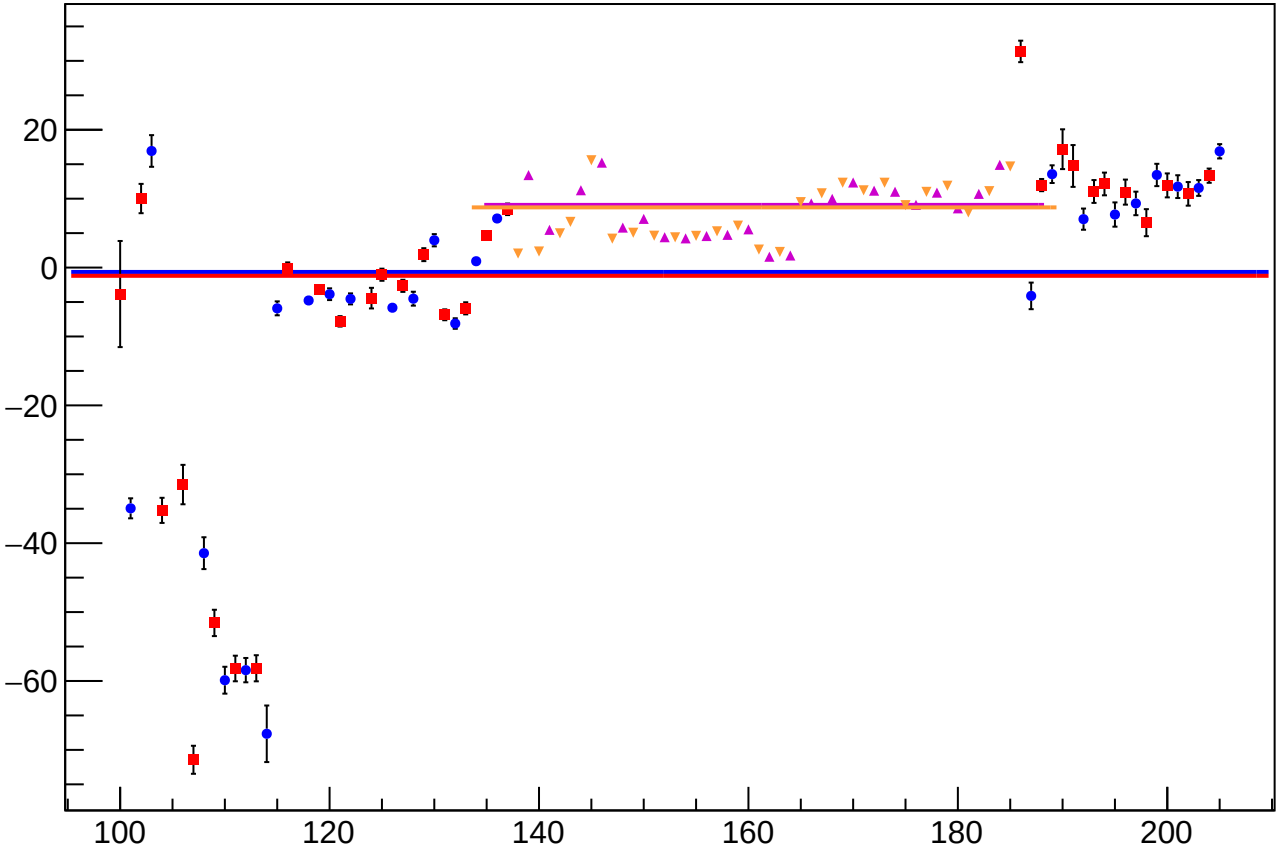
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.214+/-0.050 χ^2/NDF: 38966.2/49

All: -18.364+/-0.036 χ^2/NDF: 84604.7/102

- sign -18.519+/-0.051 χ^2/NDF: 45620.5/52

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -0.634+/-0.192 χ^2/NDF: 4580.8/24

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.195+/-0.207 χ^2/NDF: 5857.5/29

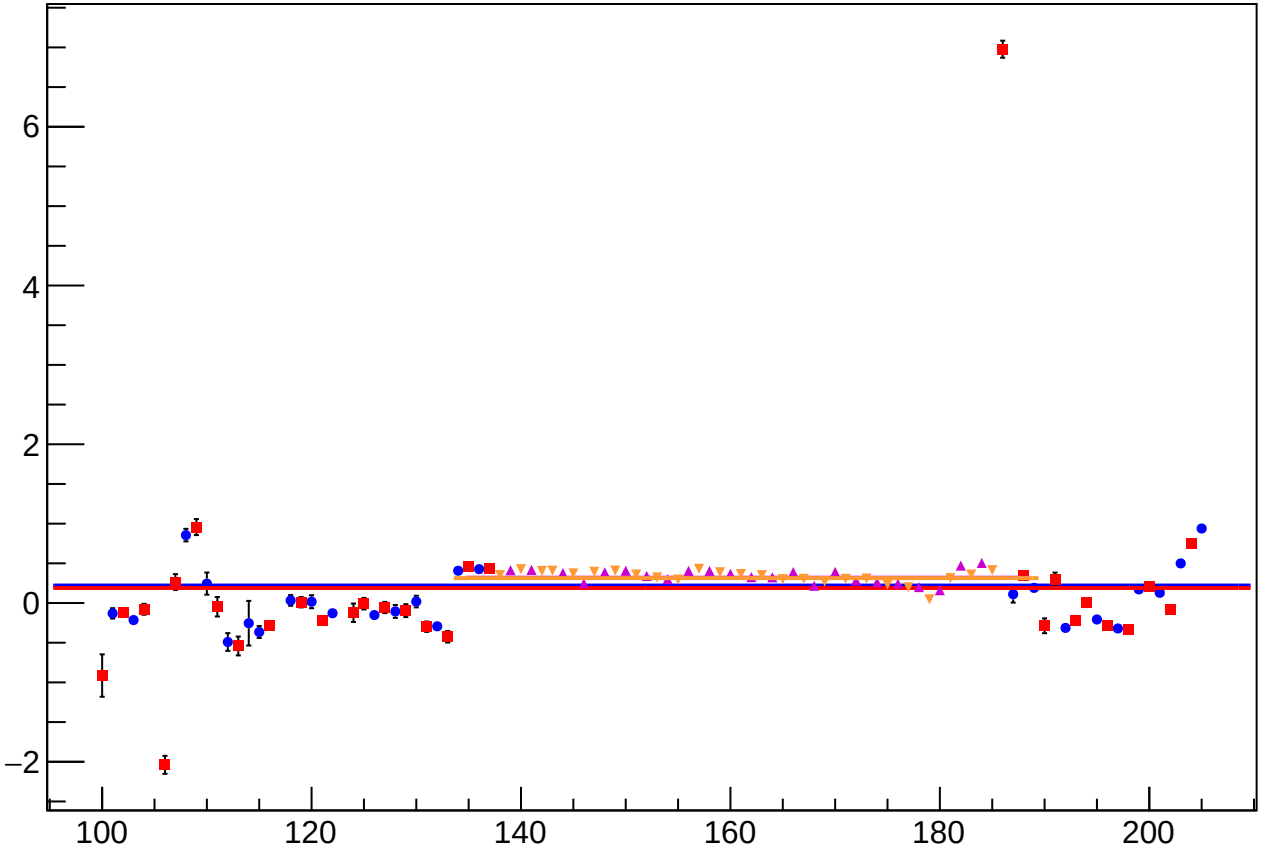
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.222+/-0.045 χ^2/NDF: 13708.5/49

All: 8.401+/-0.032 χ^2/NDF: 27696.8/102

- sign 8.588+/-0.046 χ^2/NDF: 13955.7/52

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.220+/-0.010 χ^2/NDF: 1133.3/24

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

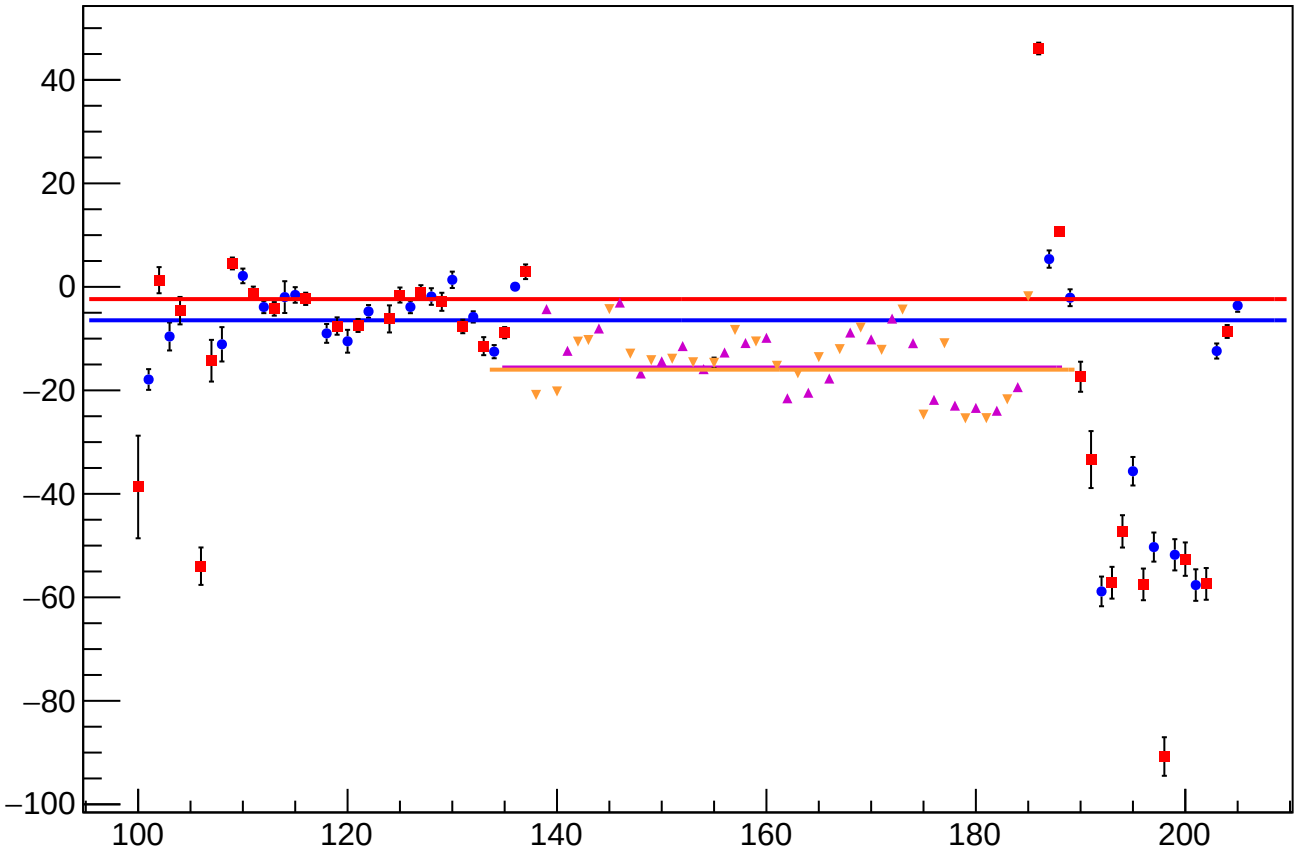
Right Out: 0.190+/-0.010 χ^2/NDF: 5437.0/29

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.310+/-0.002 χ^2/NDF: 2826.9/49

All: 0.312+/-0.001 χ^2/NDF: 10199.4/102

- sign 0.314+/-0.002 χ^2/NDF: 7370.8/52



Right In: -6.460+/-0.304 χ^2/NDF: 1518.0/24

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.363+/-0.298 χ^2/NDF: 4495.9/29

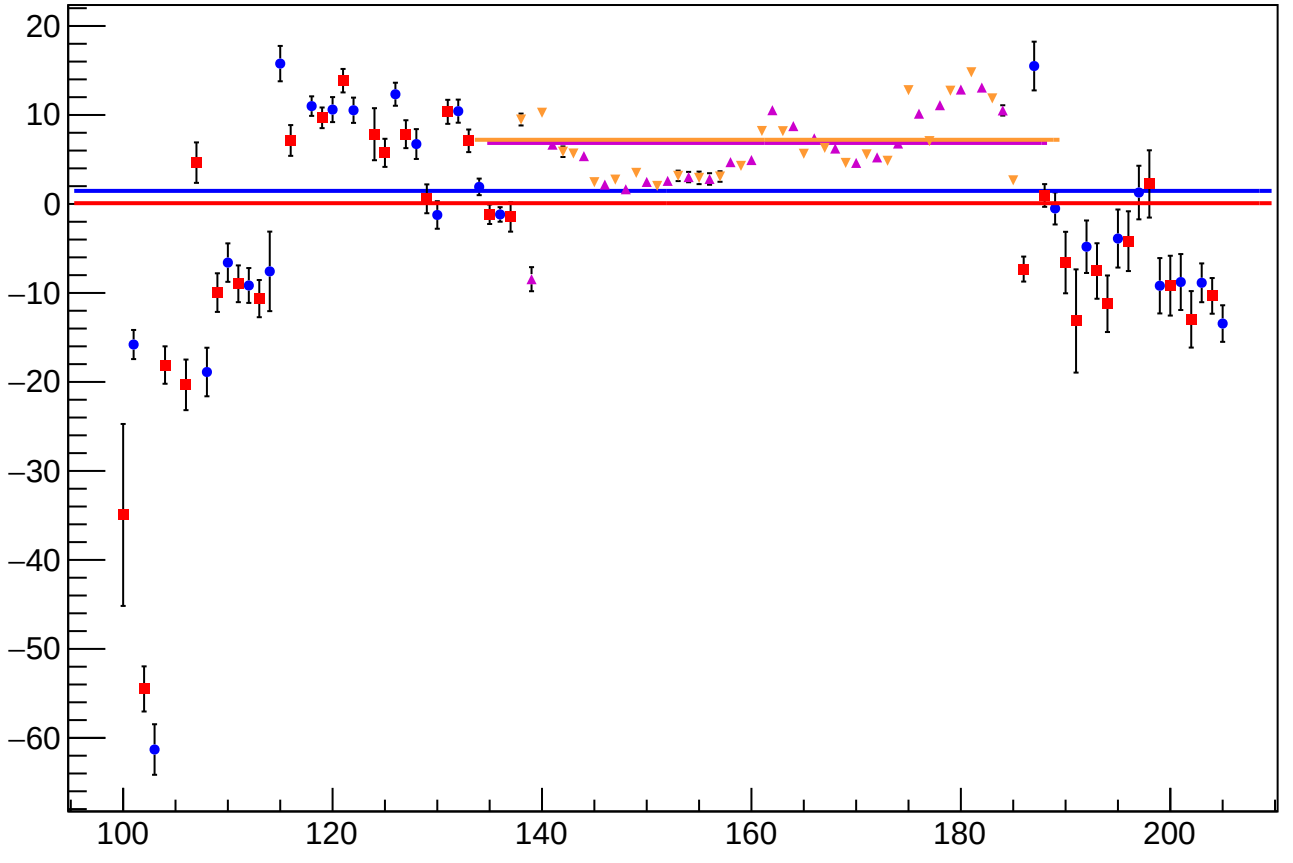
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.077+/-0.094 χ^2/NDF: 8372.6/49

All: -14.647+/-0.067 χ^2/NDF: 19428.7/102

- sign -14.199+/-0.097 χ^2/NDF: 11013.8/52

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 1.469+/-0.328 χ^2/NDF: 1186.6/24

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

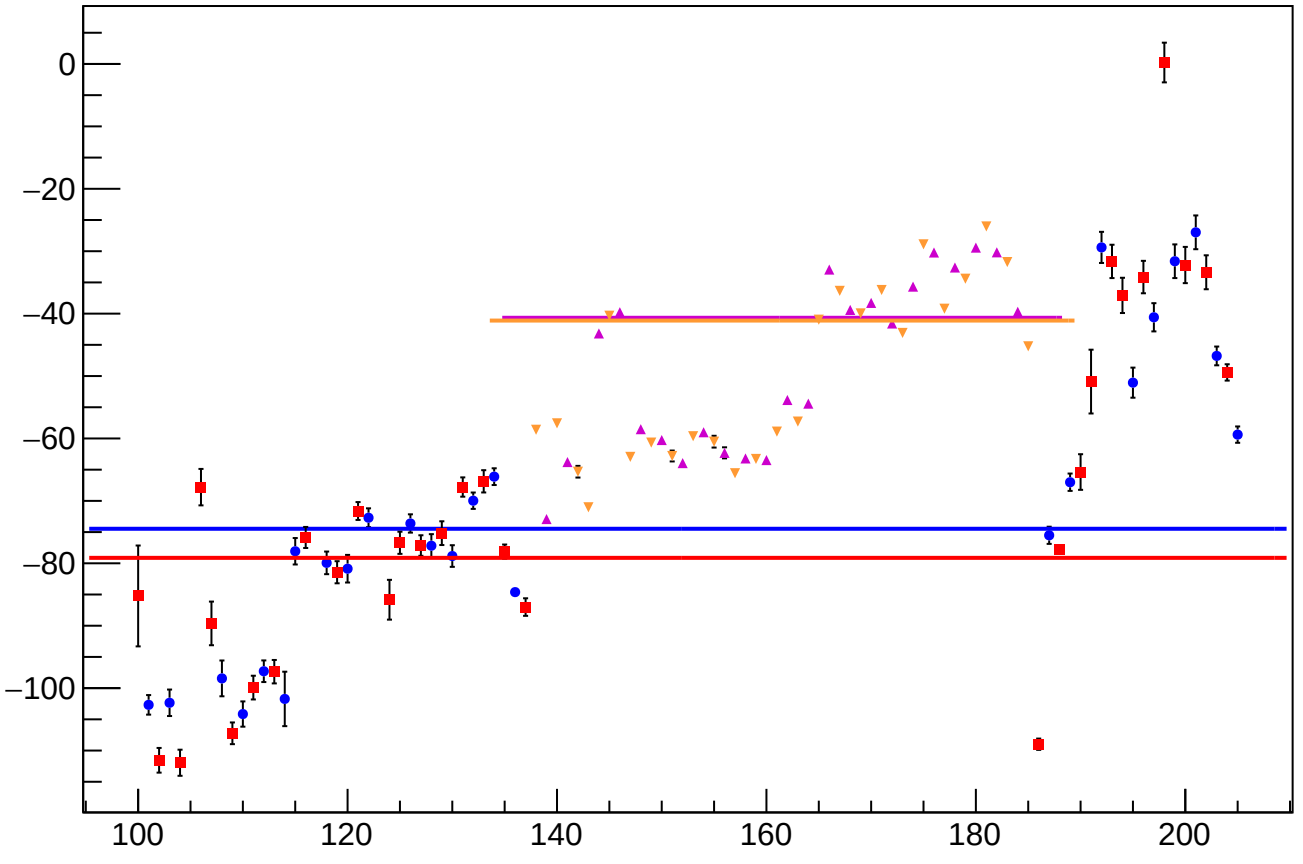
Right Out: 0.087+/-0.338 χ^2/NDF: 1110.4/29

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.890+/-0.078 χ^2/NDF: 3931.0/49

All: 6.692+/-0.055 χ^2/NDF: 7589.8/102

- sign 6.488+/-0.079 χ^2/NDF: 3645.6/52



Right In: -74.468+/-0.322 χ^2/NDF: 2988.2/24

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -79.127+/-0.310 χ^2/NDF: 4859.6/29

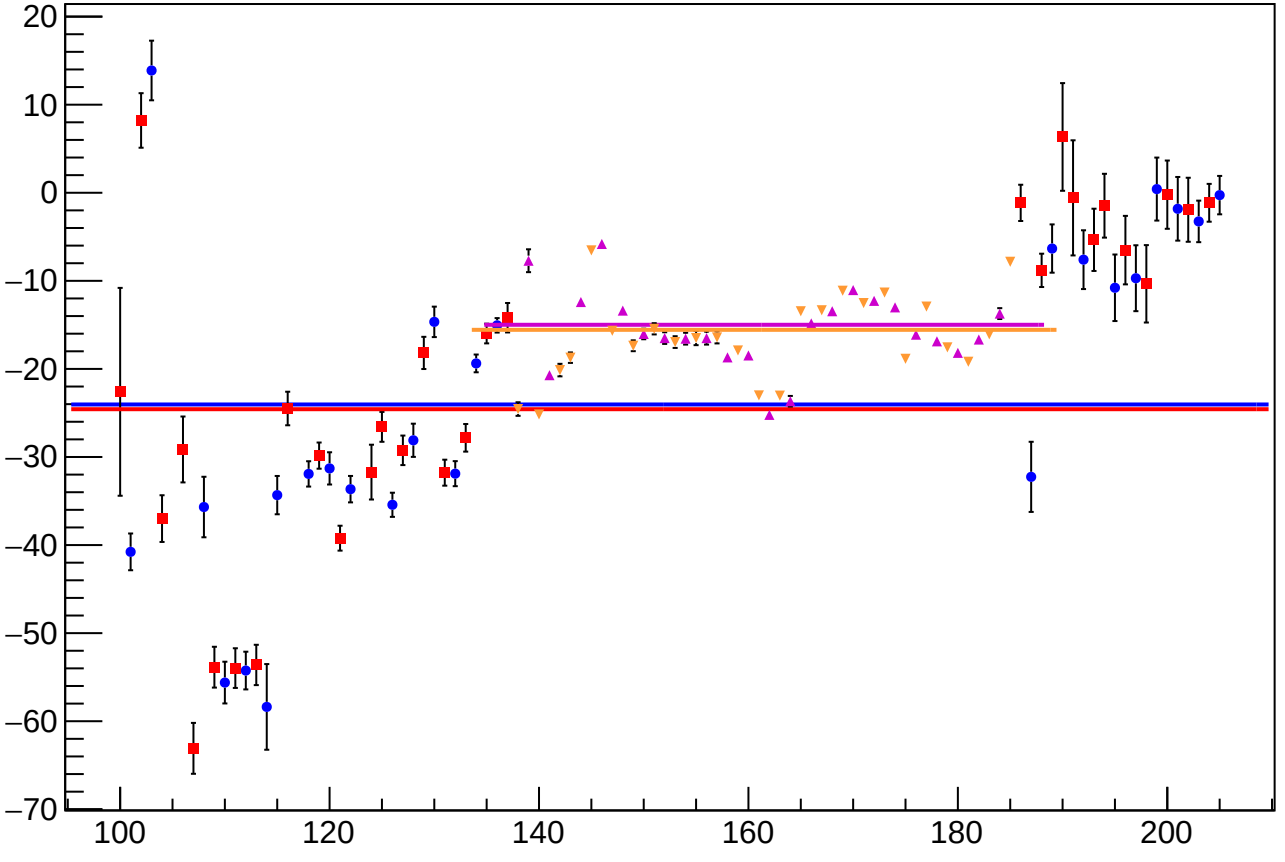
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.046+/-0.095 χ^2/NDF: 28779.0/49

All: -44.242+/-0.068 χ^2/NDF: 61098.9/102

- sign -44.444+/-0.097 χ^2/NDF: 32311.3/52

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -24.038+/-0.369 χ^2/NDF: 1390.5/24

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.575+/-0.390 χ^2/NDF: 1614.4/29

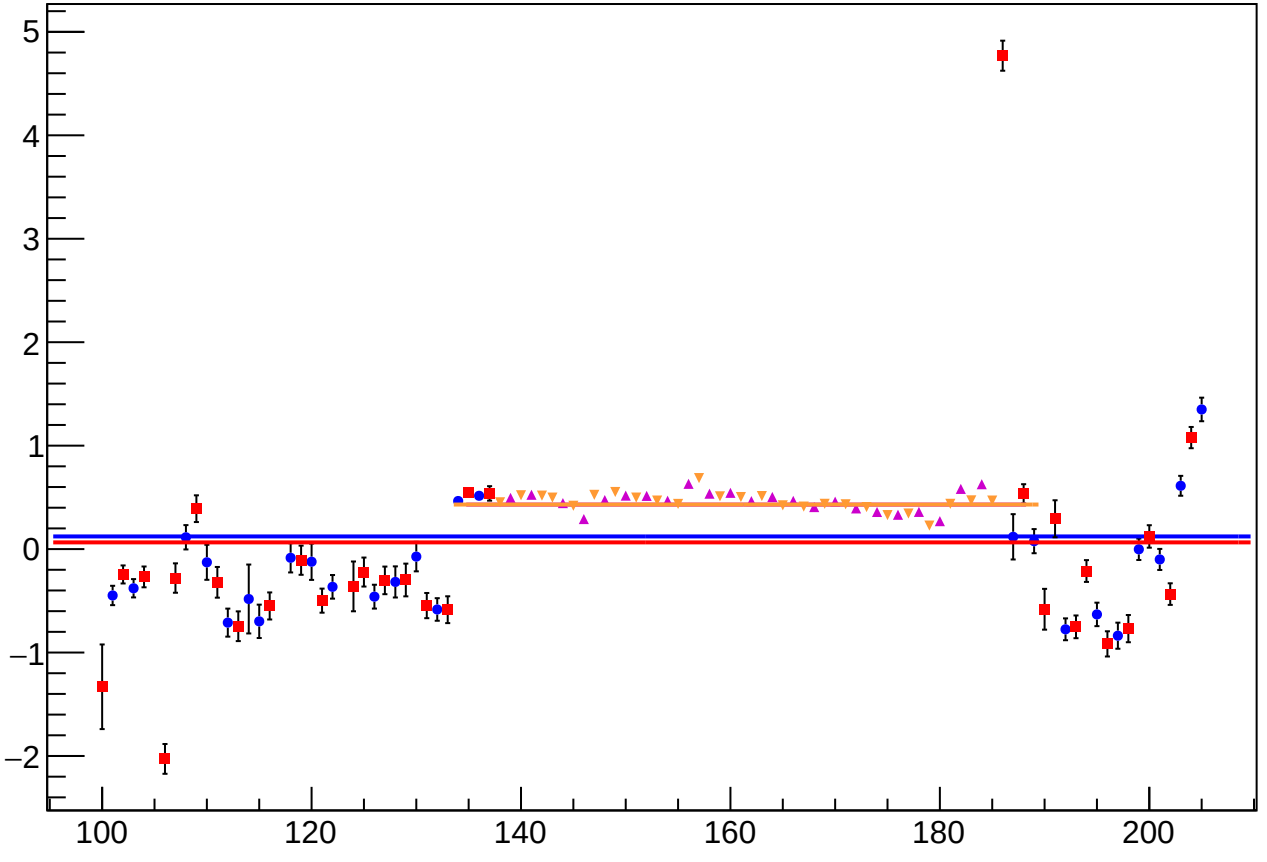
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.028+/-0.086 χ^2/NDF: 4439.9/49

All: -15.758+/-0.062 χ^2/NDF: 8798.8/102

- sign -15.478+/-0.088 χ^2/NDF: 4339.0/52

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.122+/-0.019 χ^2/NDF: 748.9/24

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.065+/-0.020 χ^2/NDF: 1954.9/29

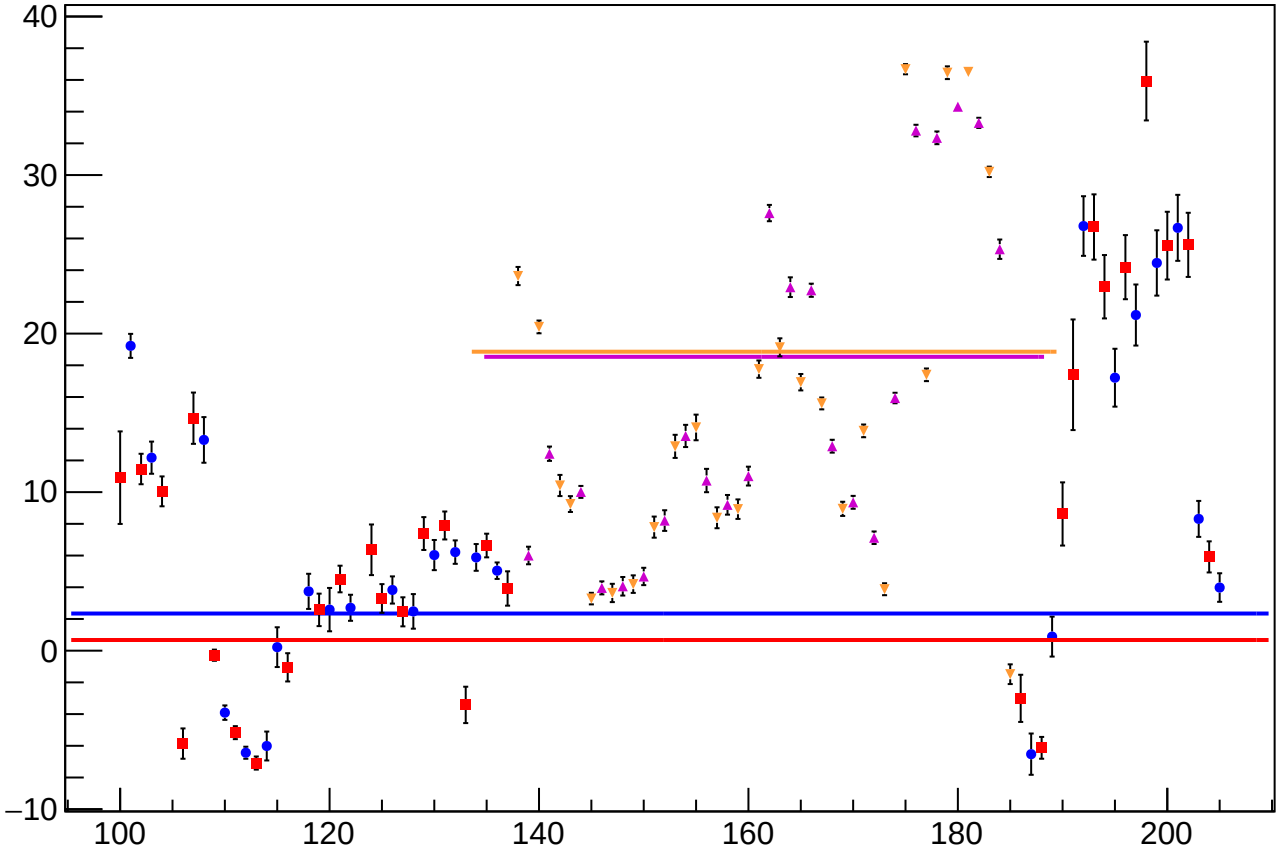
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.417+/-0.004 χ^2/NDF: 1429.5/49

All: 0.417+/-0.003 χ^2/NDF: 4284.3/102

- sign 0.416+/-0.004 χ^2/NDF: 2854.8/52

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.343+/-0.171 χ^2/NDF: 2209.4/24

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.673+/-0.156 χ^2/NDF: 2248.1/29

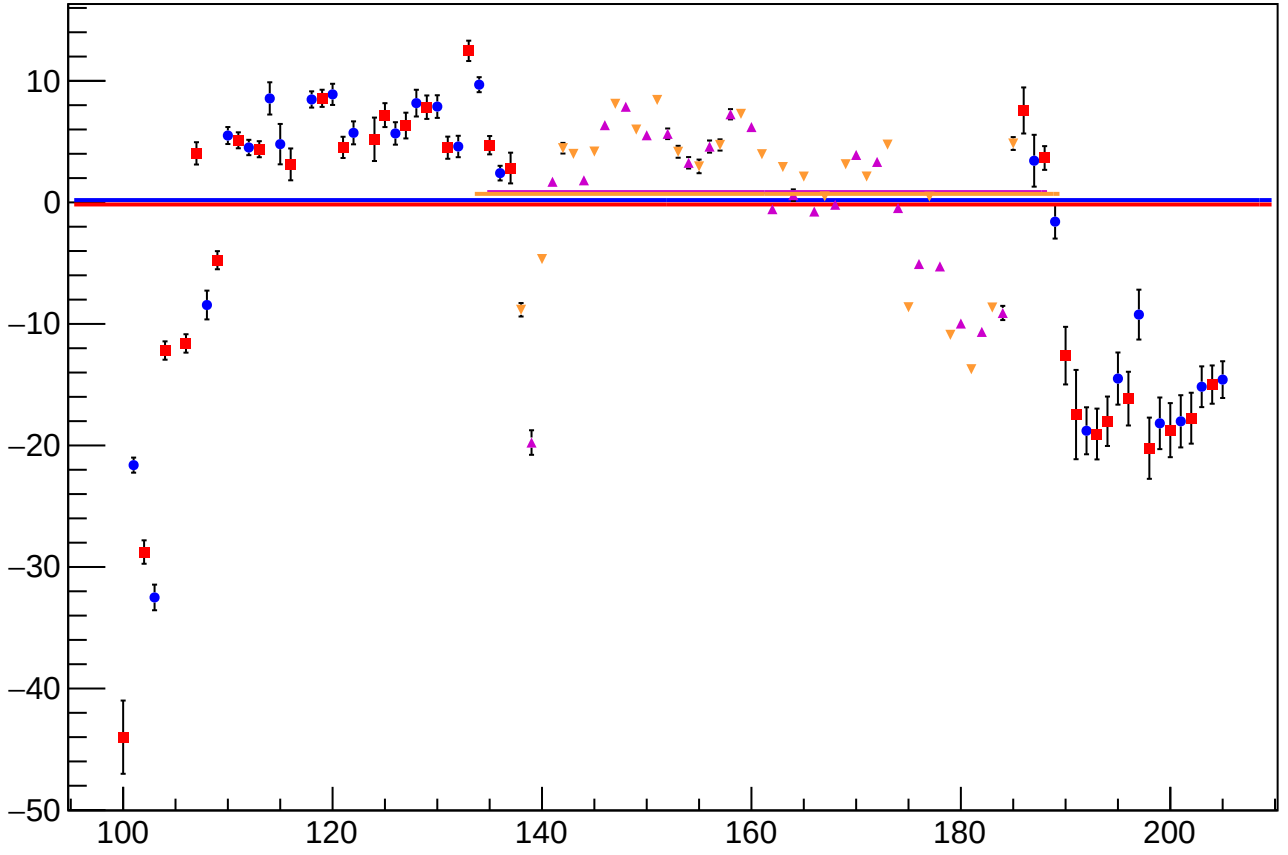
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.235+/-0.080 χ^2/NDF: 27902.5/49

All: 14.541+/-0.057 χ^2/NDF: 54008.4/102

- sign 13.844+/-0.080 χ^2/NDF: 25954.4/52

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.191+/-0.193 χ^2/NDF: 3613.2/24

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.170+/-0.190 χ^2/NDF: 2989.6/29

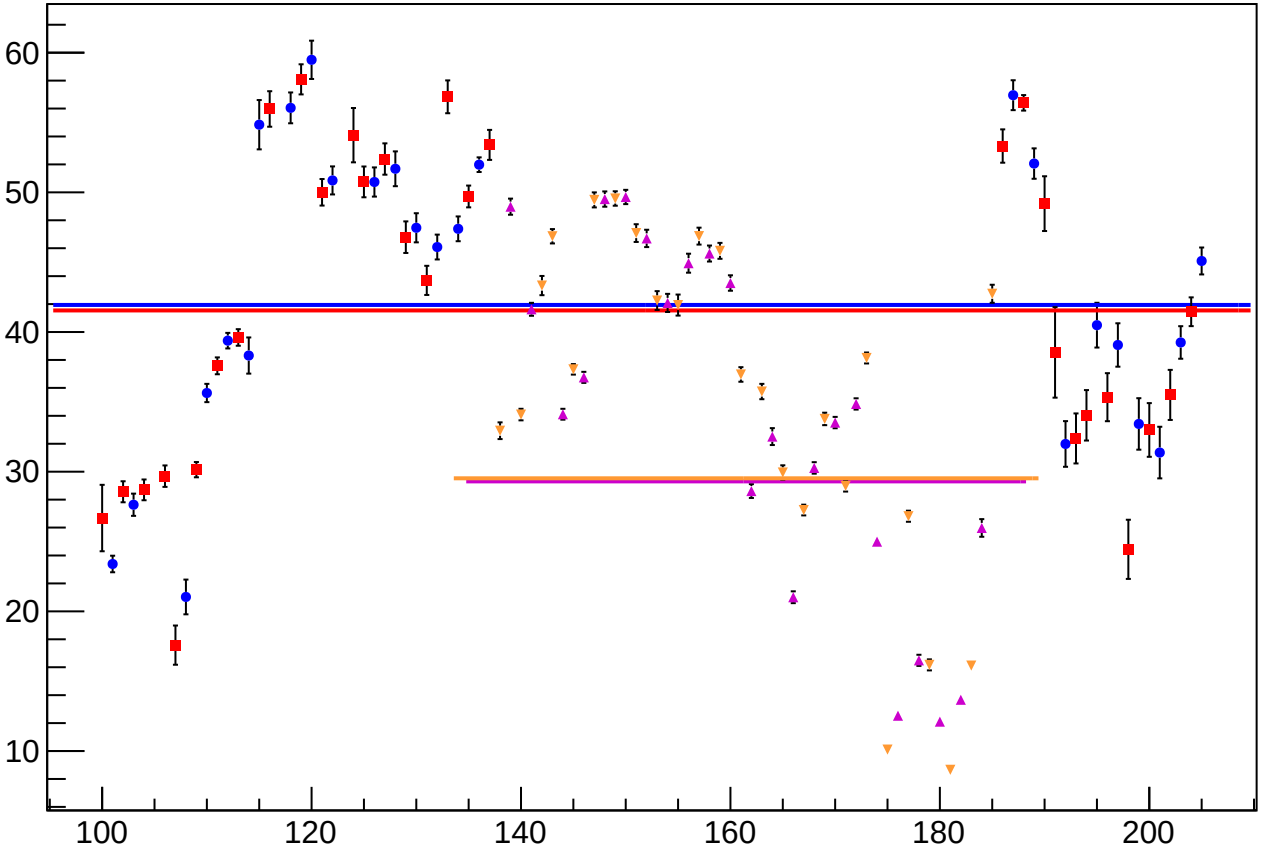
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.642+/-0.066 χ^2/NDF: 11857.2/49

All: 0.679+/-0.047 χ^2/NDF: 20917.9/102

- sign 0.718+/-0.068 χ^2/NDF: 9060.0/52

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.939+/-0.190 χ^2/NDF: 3147.1/24

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.545+/-0.179 χ^2/NDF: 3711.3/29

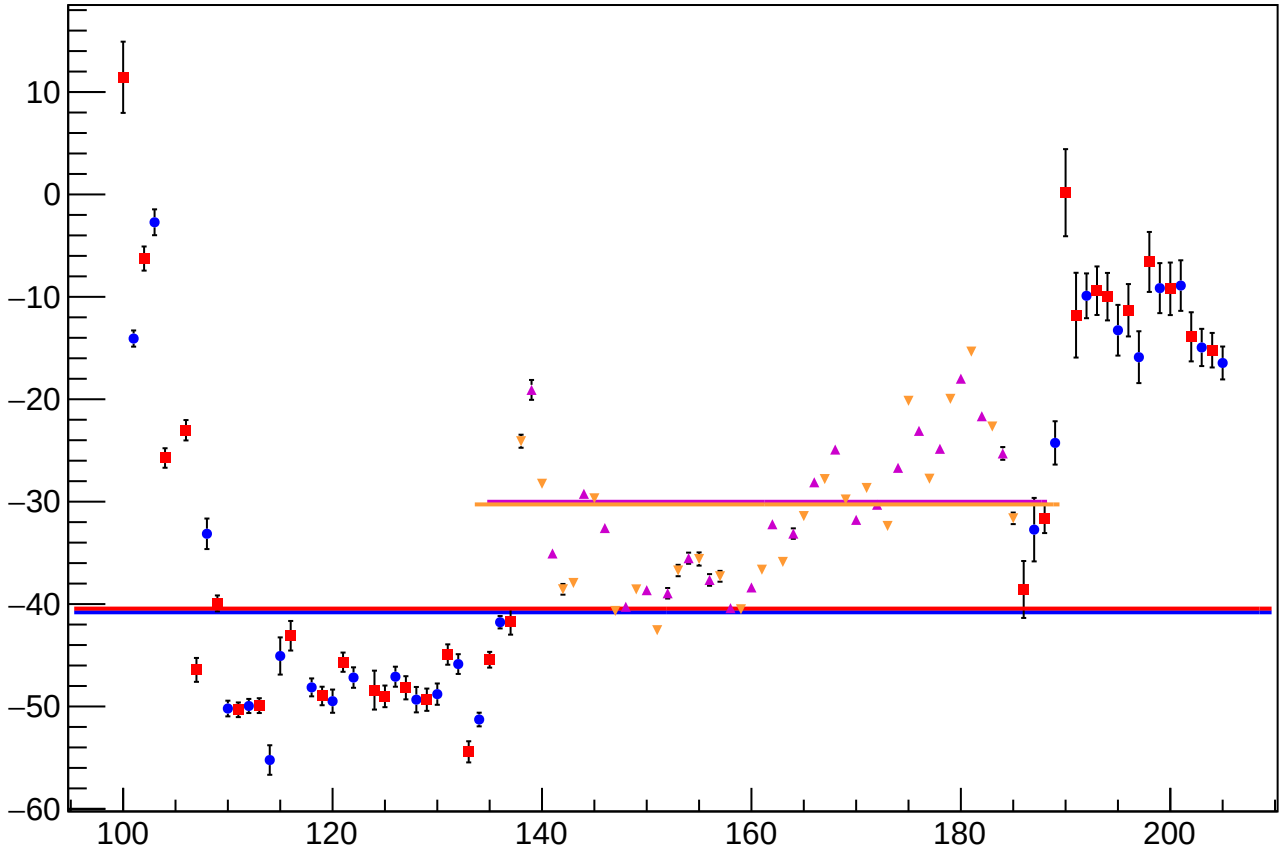
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.834+/-0.082 χ^2/NDF: 27721.8/49

All: 31.875+/-0.058 χ^2/NDF: 52991.9/102

- sign 31.917+/-0.083 χ^2/NDF: 25269.6/52

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -40.804+/-0.219 χ^2/NDF: 4357.4/24

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.443+/-0.218 χ^2/NDF: 3845.2/29

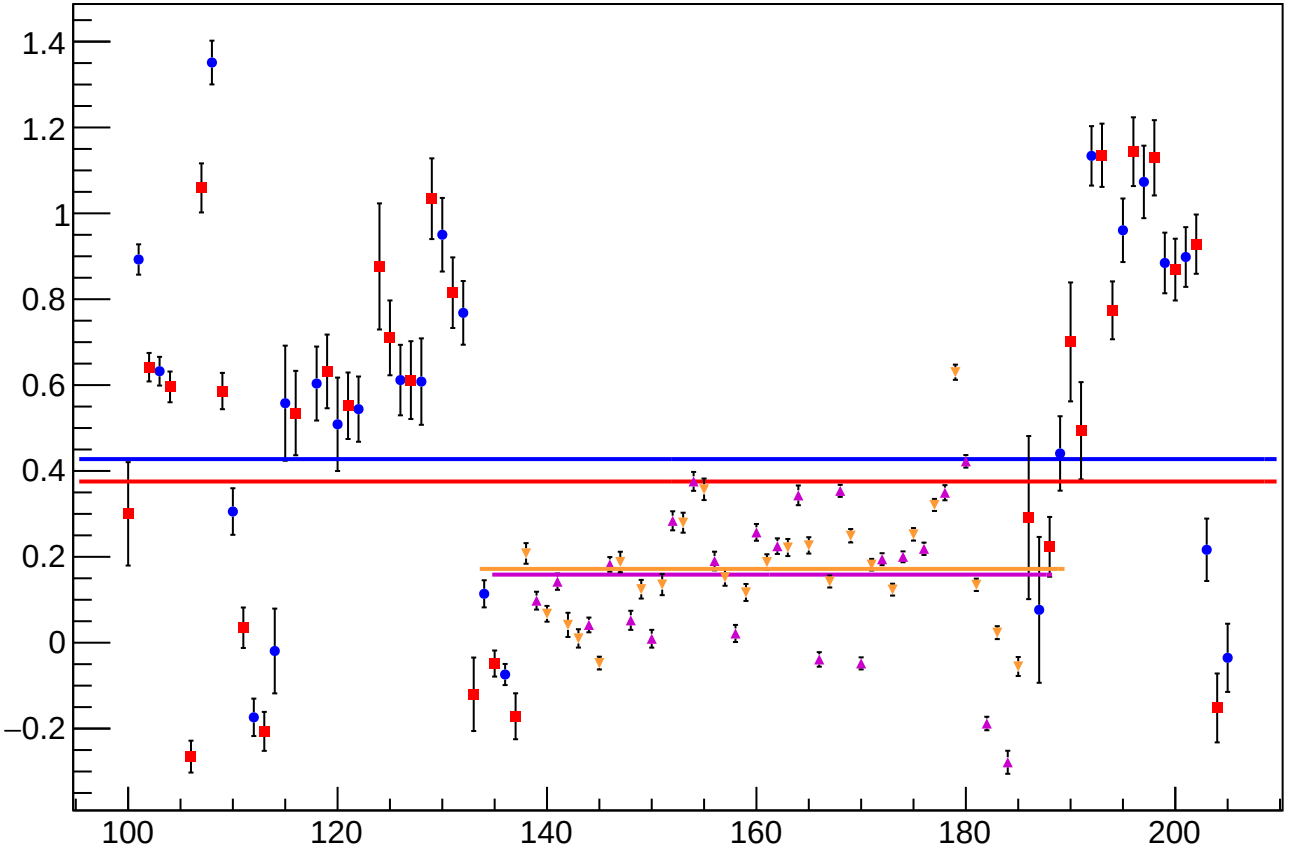
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.490+/-0.075 χ^2/NDF: 14907.7/49

All: -31.392+/-0.053 χ^2/NDF: 26854.2/102

- sign -31.289+/-0.076 χ^2/NDF: 11942.9/52

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.428+/-0.011 χ^2/NDF: 1693.5/24

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.375+/-0.011 χ^2/NDF: 1719.8/29

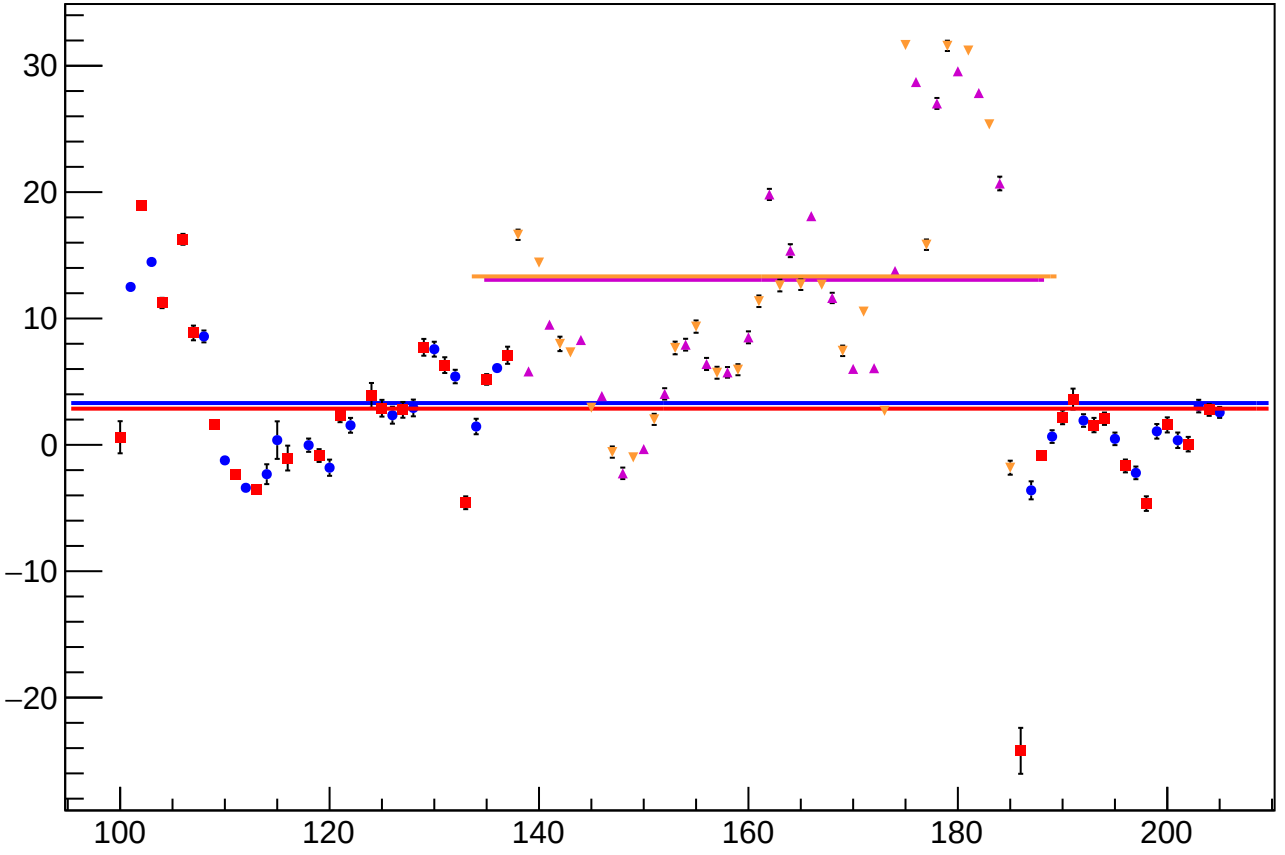
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3679.1/49

All: 0.188+/-0.002 χ^2/NDF: 7953.7/102

- sign 0.180+/-0.003 χ^2/NDF: 4264.3/52

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.308+/-0.097 χ^2/NDF: 3038.7/24

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

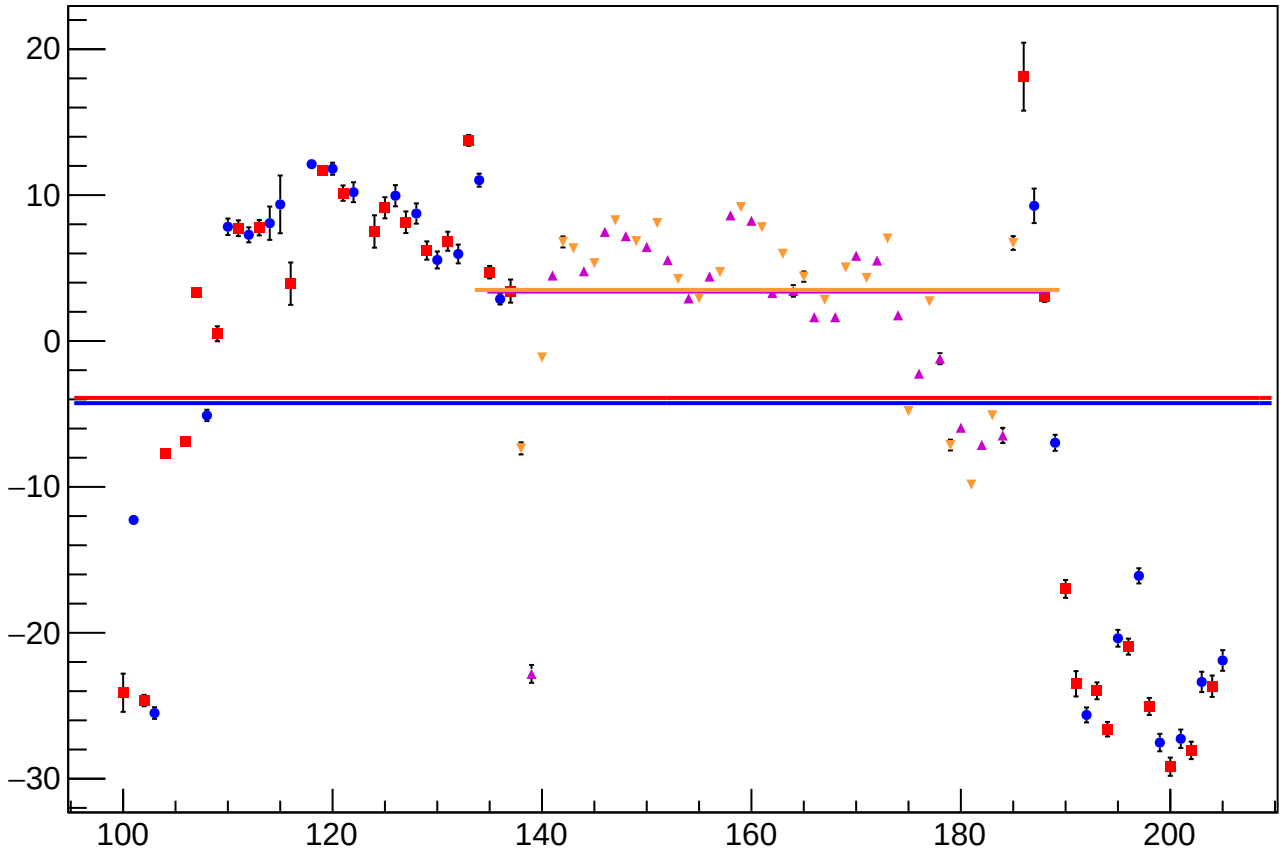
Right Out: 2.865+/-0.088 χ^2/NDF: 5106.1/29

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.477+/-0.060 χ^2/NDF: 29026.0/49

All: 8.978+/-0.042 χ^2/NDF: 57216.4/102

- sign 8.501+/-0.059 χ^2/NDF: 28056.4/52



Right In: -4.258+/-0.101 χ^2/NDF: 19697.4/24

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.900+/-0.094 χ^2/NDF: 22694.5/29

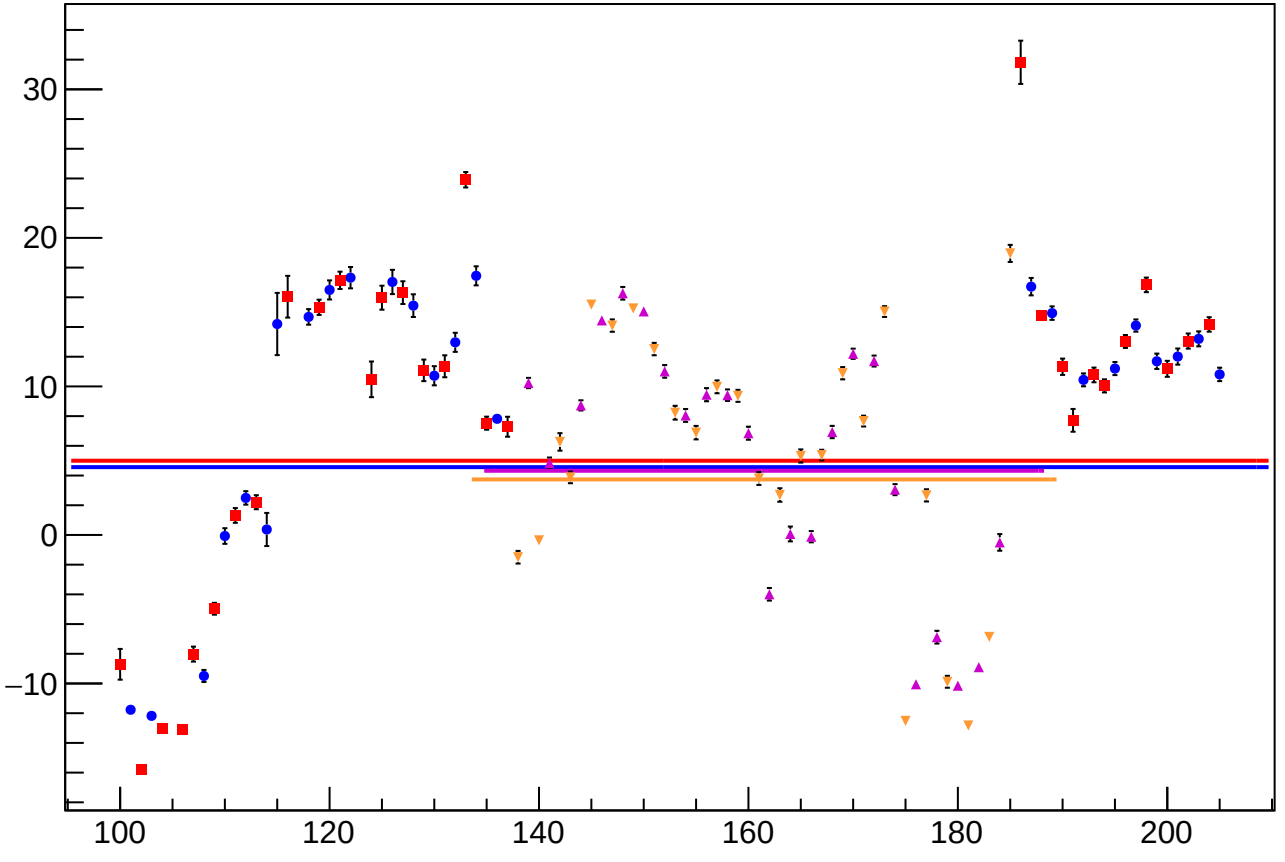
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.546+/-0.051 χ^2/NDF: 32036.1/49

All: 1.391+/-0.036 χ^2/NDF: 65672.1/102

- sign 1.232+/-0.051 χ^2/NDF: 33617.0/52

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.565+/-0.095 χ^2/NDF: 13516.2/24

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

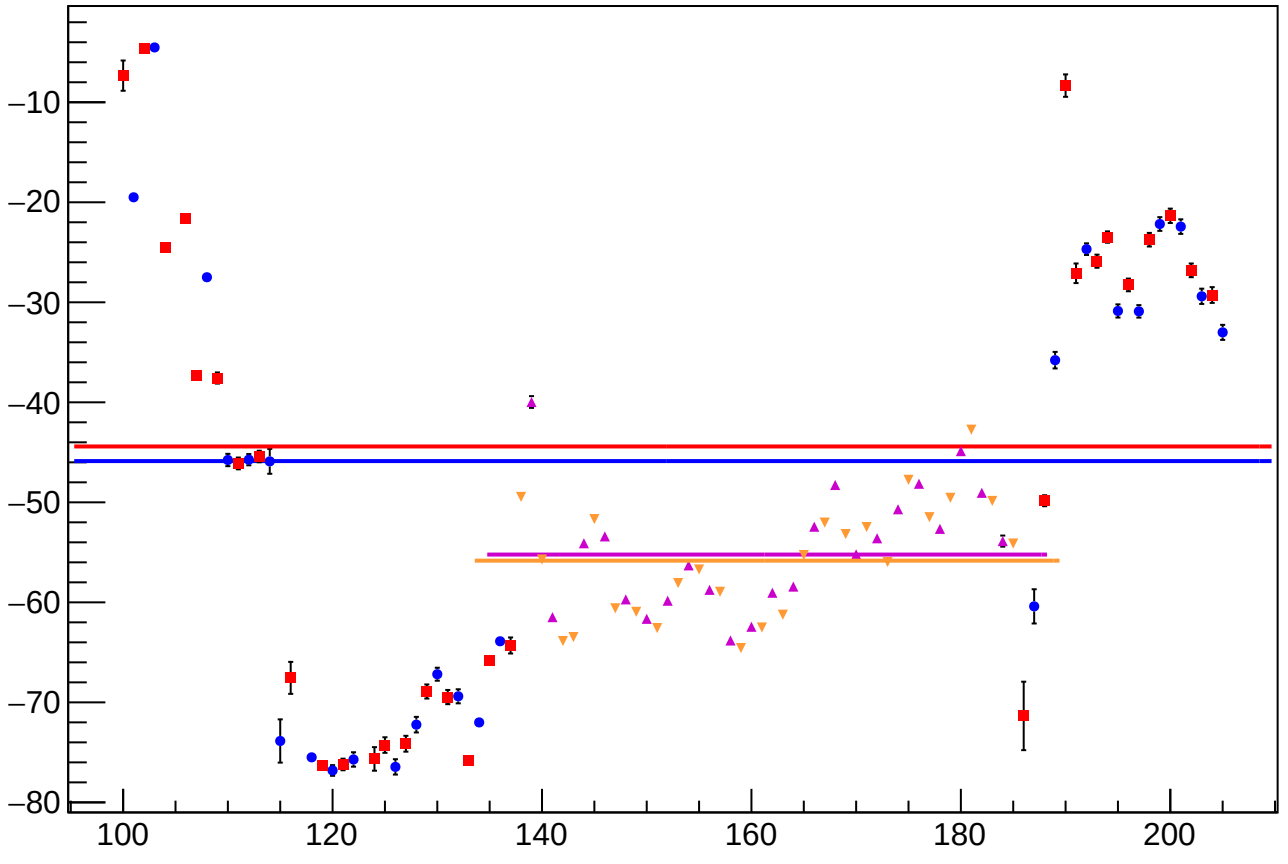
Right Out: 4.998+/-0.086 χ^2/NDF: 19912.8/29

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.062+/-0.060 χ^2/NDF: 29148.8/49

All: 4.352+/-0.042 χ^2/NDF: 61624.7/102

- sign 4.628+/-0.058 χ^2/NDF: 32429.6/52



Right In: -45.876+/-0.118 χ^2/NDF: 40967.0/24

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

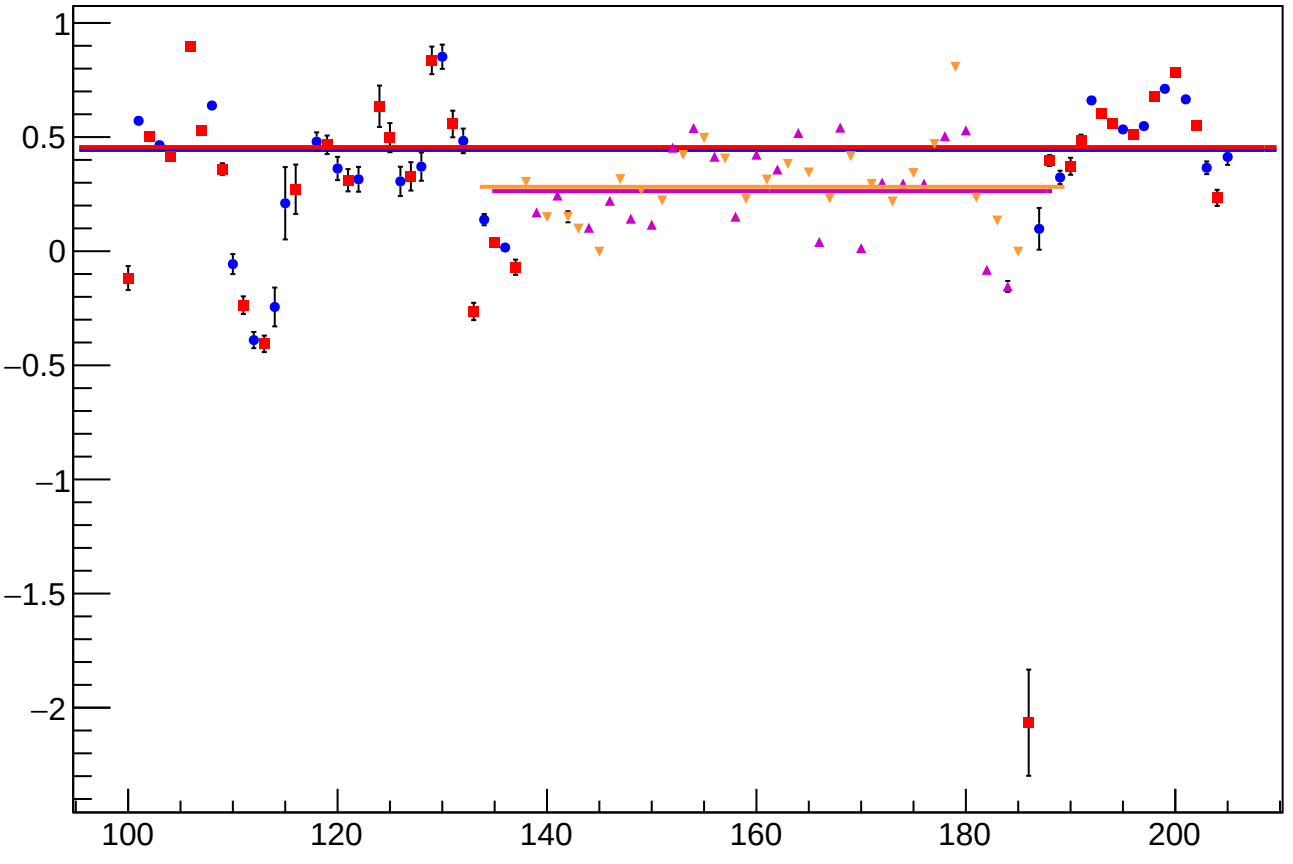
Right Out: -44.414+/-0.112 χ^2/NDF: 43013.7/29

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.452+/-0.058 χ^2/NDF: 53943.8/49

All: -52.868+/-0.041 χ^2/NDF: 110264.7/102

- sign -52.270+/-0.059 χ^2/NDF: 56115.1/52



Right In: 0.444+/-0.005 χ^2/NDF: 2556.1/24

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.456+/-0.005 χ^2/NDF: 3627.7/29

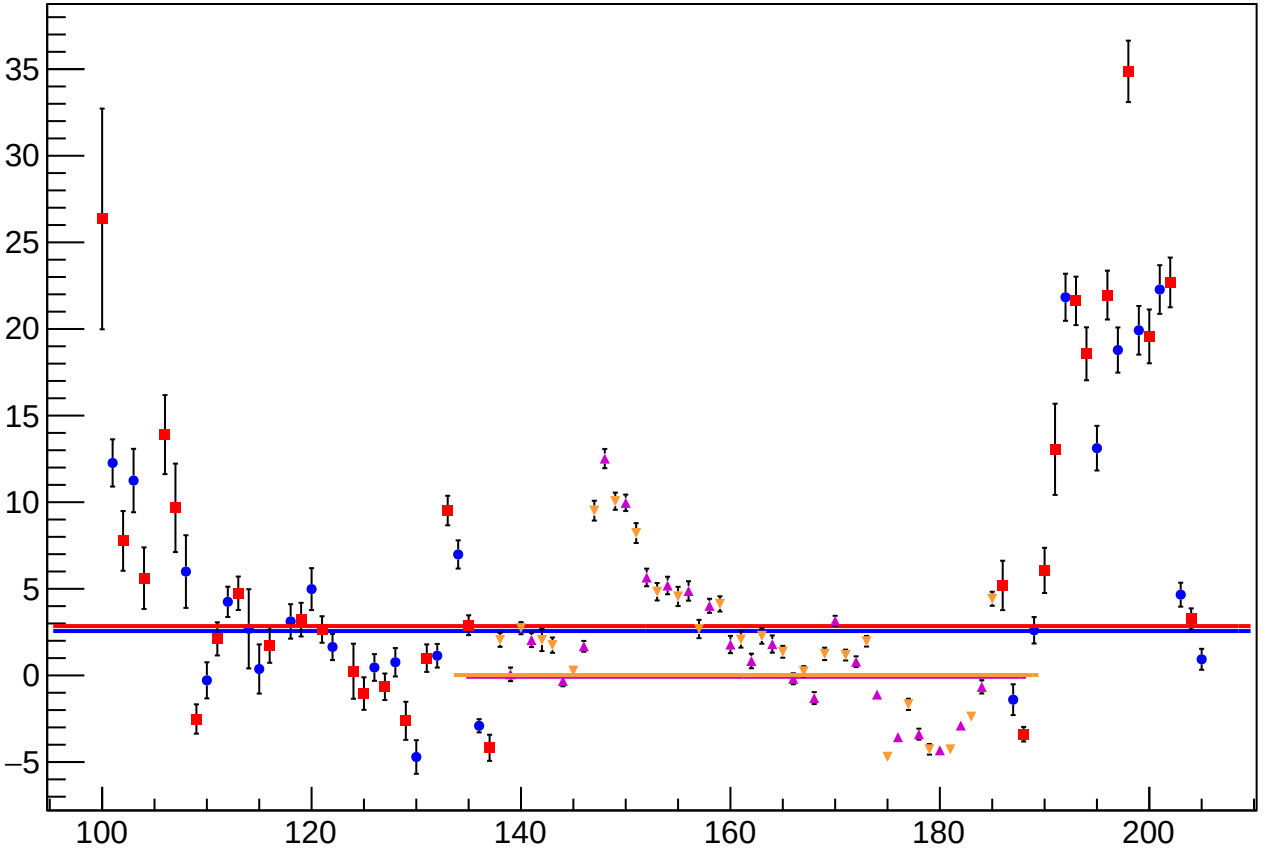
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.325+/-0.003 χ^2/NDF: 6055.1/49

All: 0.324+/-0.002 χ^2/NDF: 14750.7/102

- sign 0.322+/-0.003 χ^2/NDF: 8694.7/52

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.562+/-0.175 χ^2/NDF: 1211.6/24

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.848+/-0.176 χ^2/NDF: 1668.0/29

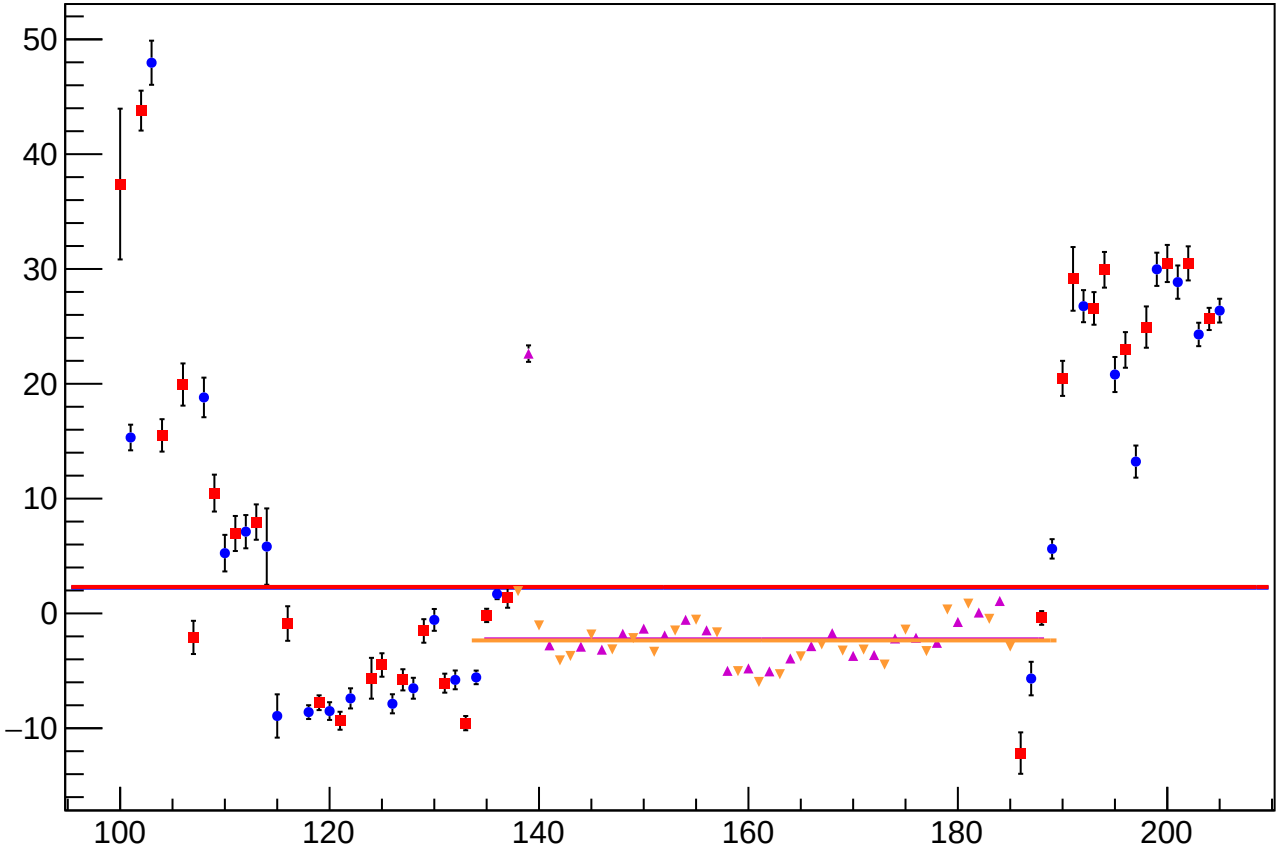
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.360+/-0.064 χ^2/NDF: 4153.8/49

All: 0.345+/-0.046 χ^2/NDF: 8525.7/102

- sign 0.329+/-0.066 χ^2/NDF: 4371.7/52

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.240+/-0.190 χ^2/NDF: 4284.6/24

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

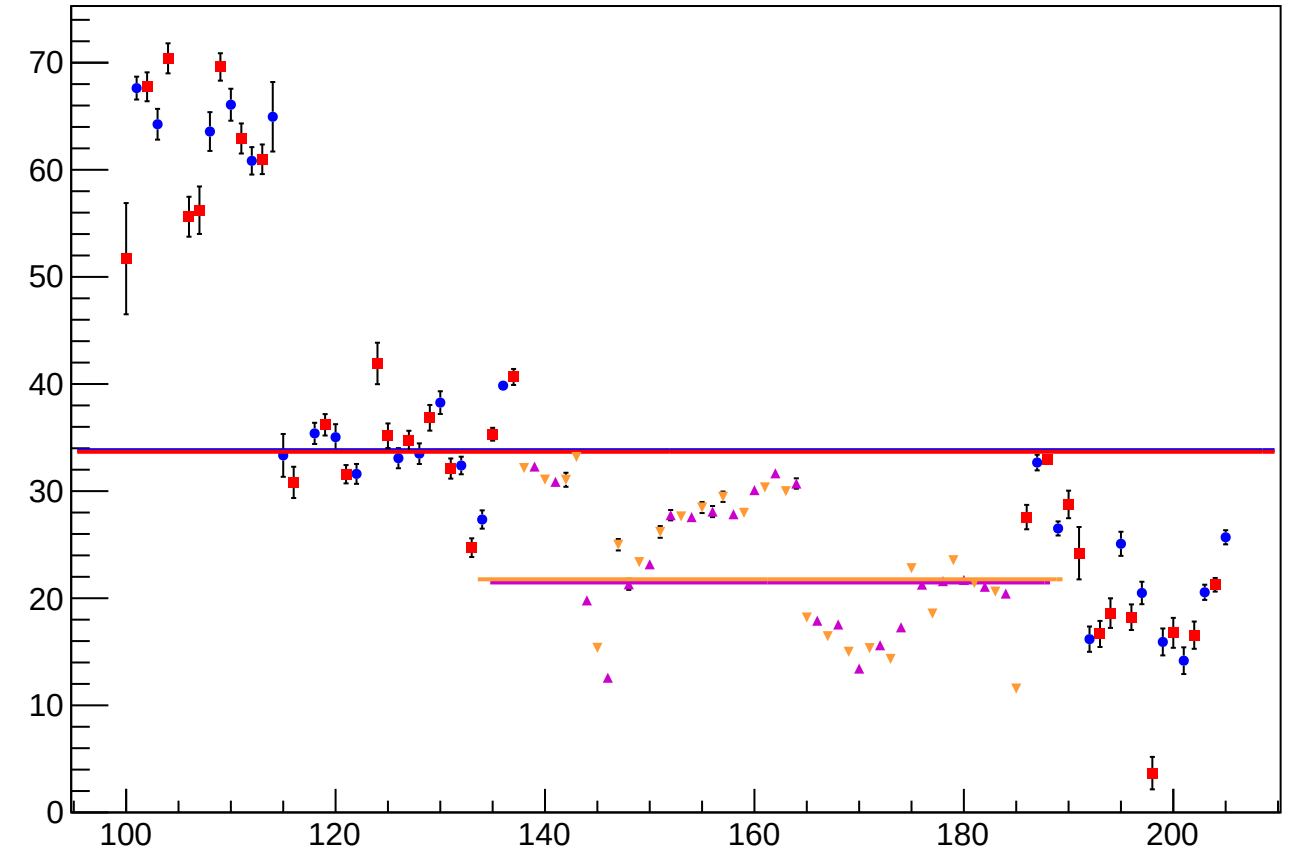
Right Out: 2.308+/-0.195 χ^2/NDF: 4460.3/29

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.996+/-0.053 χ^2/NDF: 5949.8/49

All: -1.951+/-0.038 χ^2/NDF: 12794.4/102

- sign -1.905+/-0.054 χ^2/NDF: 6843.2/52



Right In: 33.824+/-0.180 χ^2/NDF: 4580.7/24

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

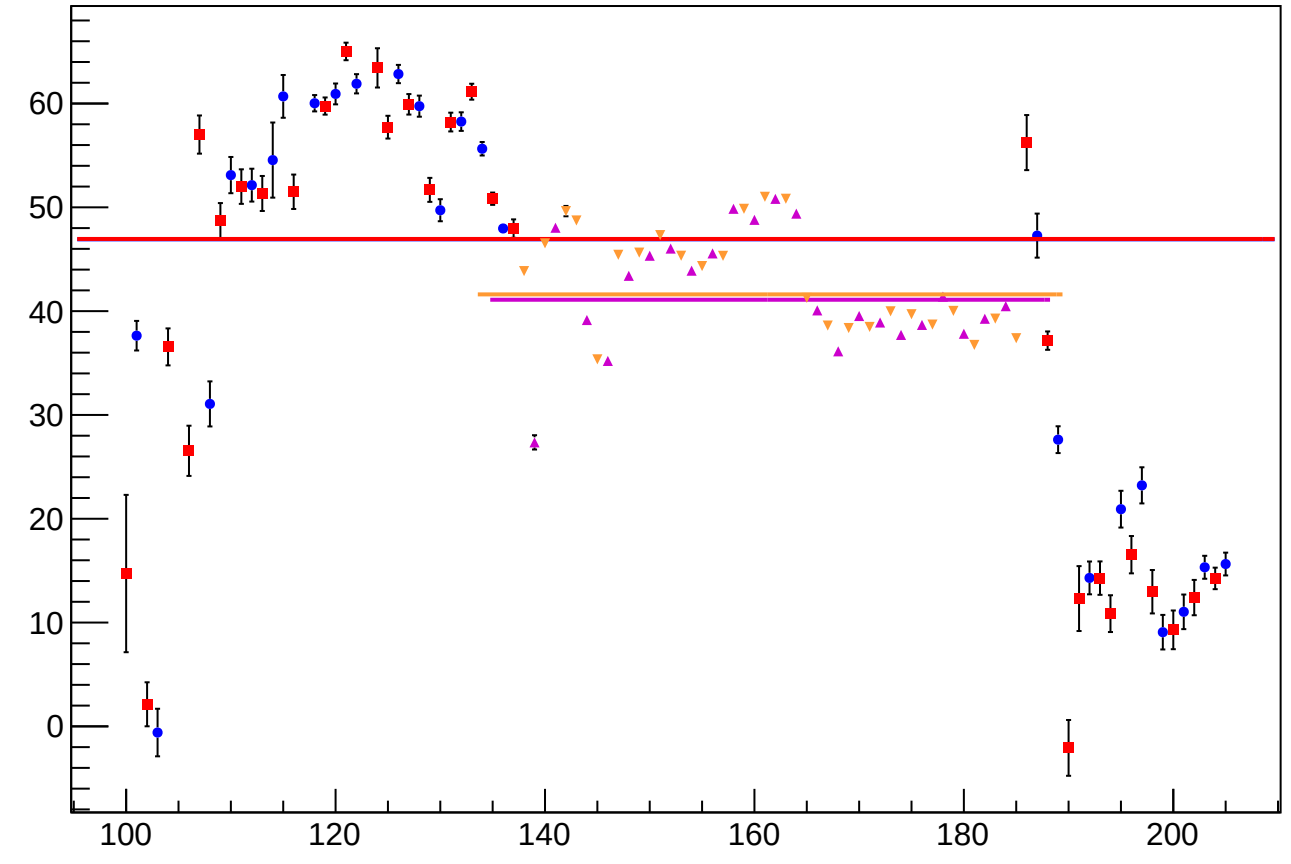
Right Out: 33.674+/-0.176 χ^2/NDF: 5084.9/29

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.305+/-0.064 χ^2/NDF: 15302.7/49

All: 23.233+/-0.046 χ^2/NDF: 30304.5/102

- sign 23.158+/-0.066 χ^2/NDF: 14999.2/52



Right In: 46.916+/-0.214 χ^2/NDF: 5830.4/24

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.954+/-0.225 χ^2/NDF: 6009.2/29

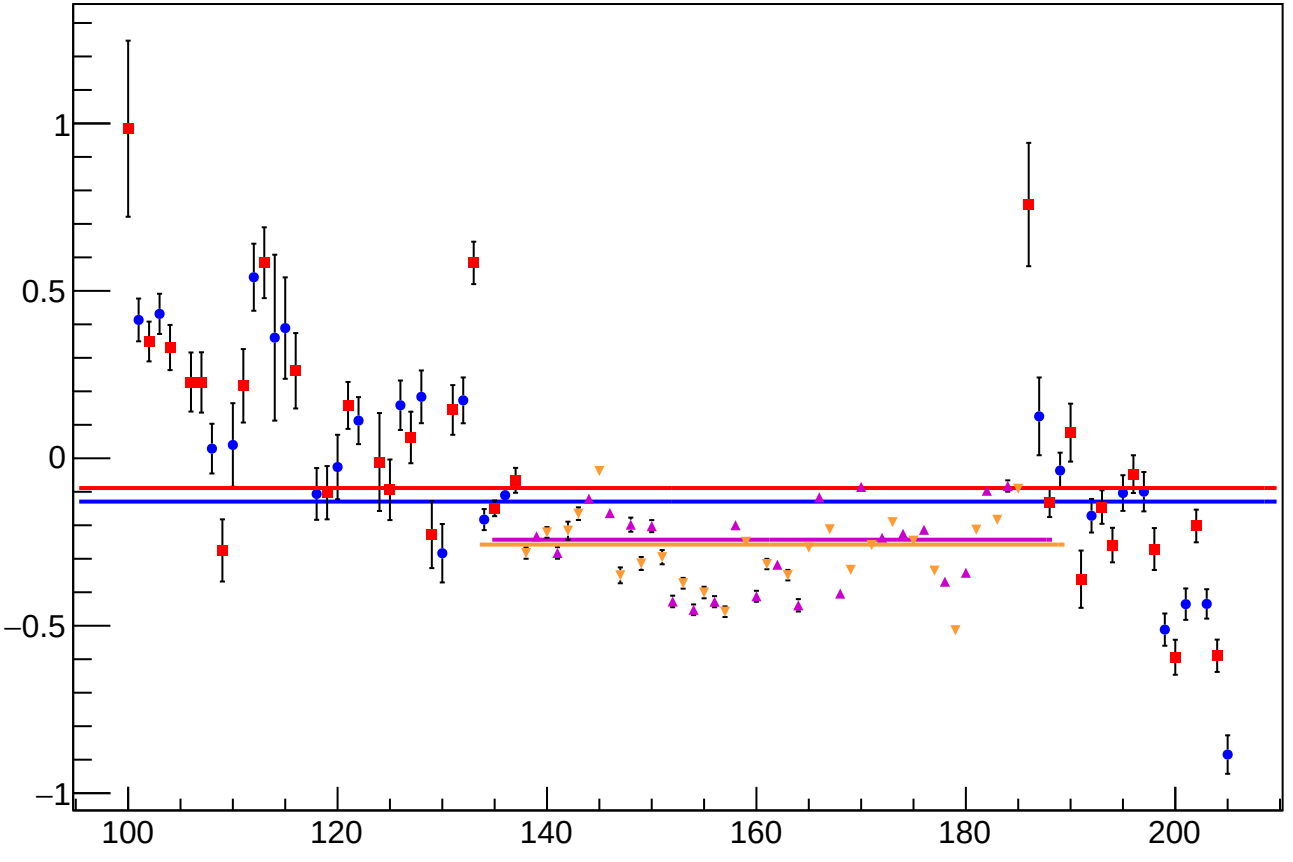
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

\+ sign 42.013+/-0.059 χ^2/NDF: 12171.7/49

All: 41.772+/-0.042 χ^2/NDF: 24320.6/102

\- sign 41.518+/-0.060 χ^2/NDF: 12114.5/52

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.129+/-0.010 χ^2/NDF: 632.7/24

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.089+/-0.011 χ^2/NDF: 608.6/29

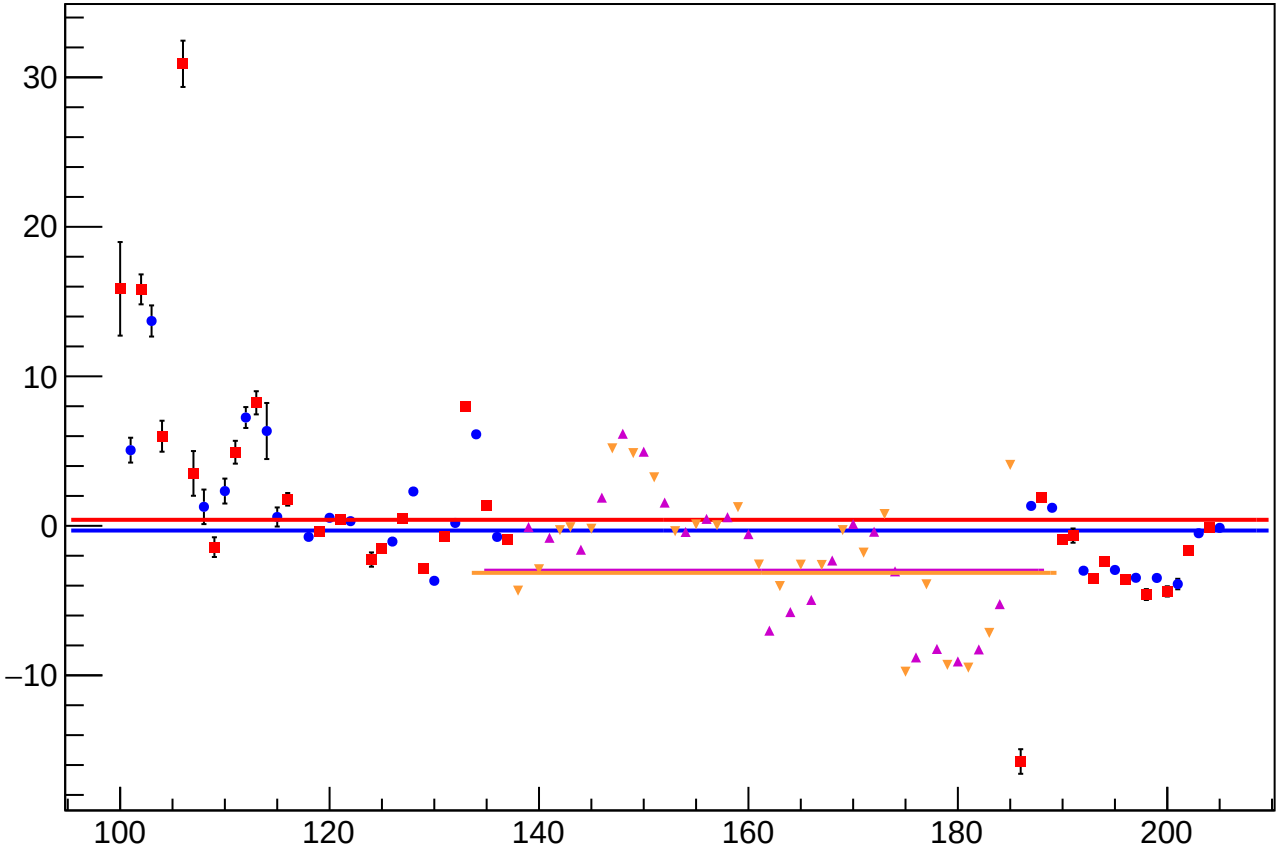
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.249+/-0.003 χ^2/NDF: 2290.7/49

All: -0.242+/-0.002 χ^2/NDF: 4914.2/102

- sign -0.234+/-0.003 χ^2/NDF: 2606.3/52

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.315+/-0.056 χ^2/NDF: 1744.6/24

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.403+/-0.053 χ^2/NDF: 4078.2/29

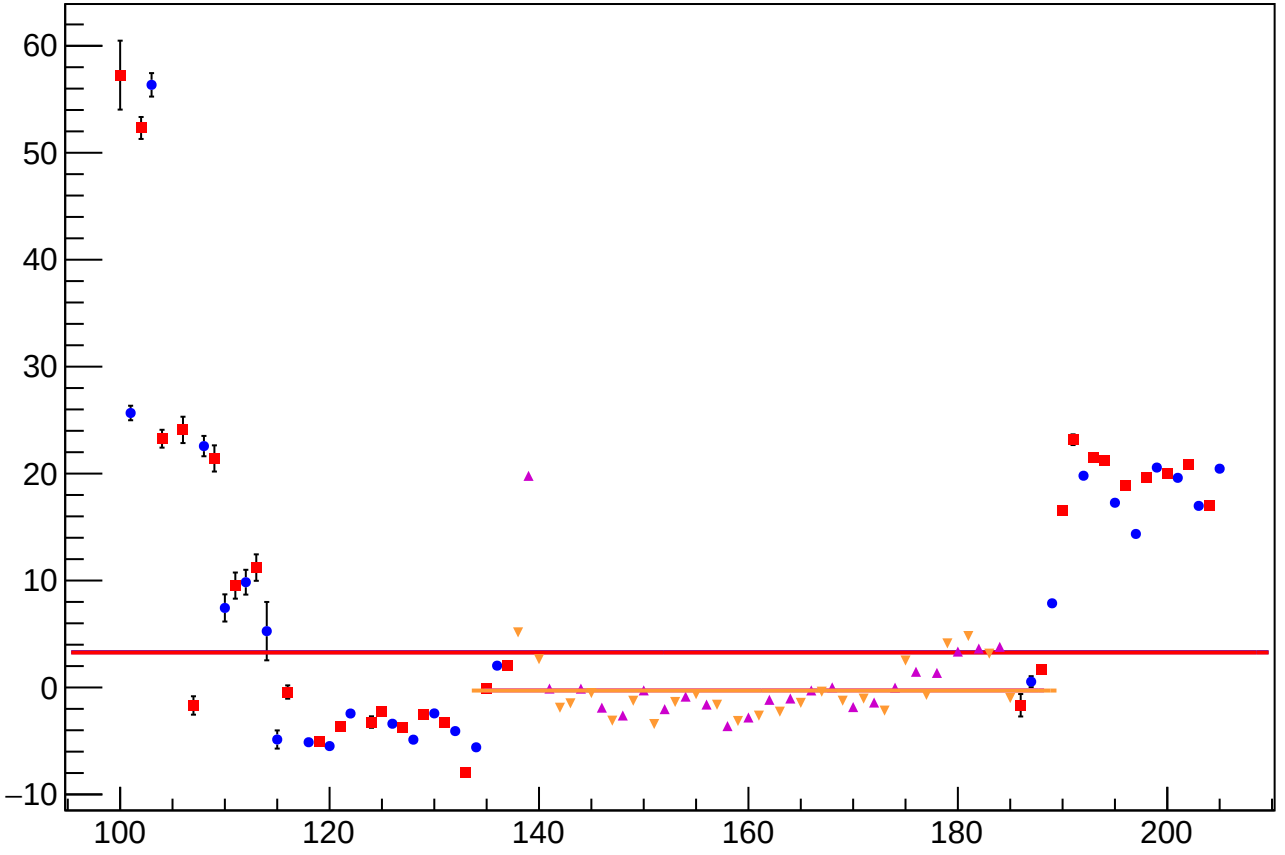
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

\+ sign -2.590+/-0.025 χ^2/NDF: 29144.5/49

All: -2.421+/-0.018 χ^2/NDF: 58893.6/102

\- sign -2.249+/-0.025 χ^2/NDF: 29655.9/52

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 3.296+/-0.058 χ^2/NDF: 32143.6/24

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.270+/-0.056 χ^2/NDF: 39606.8/29

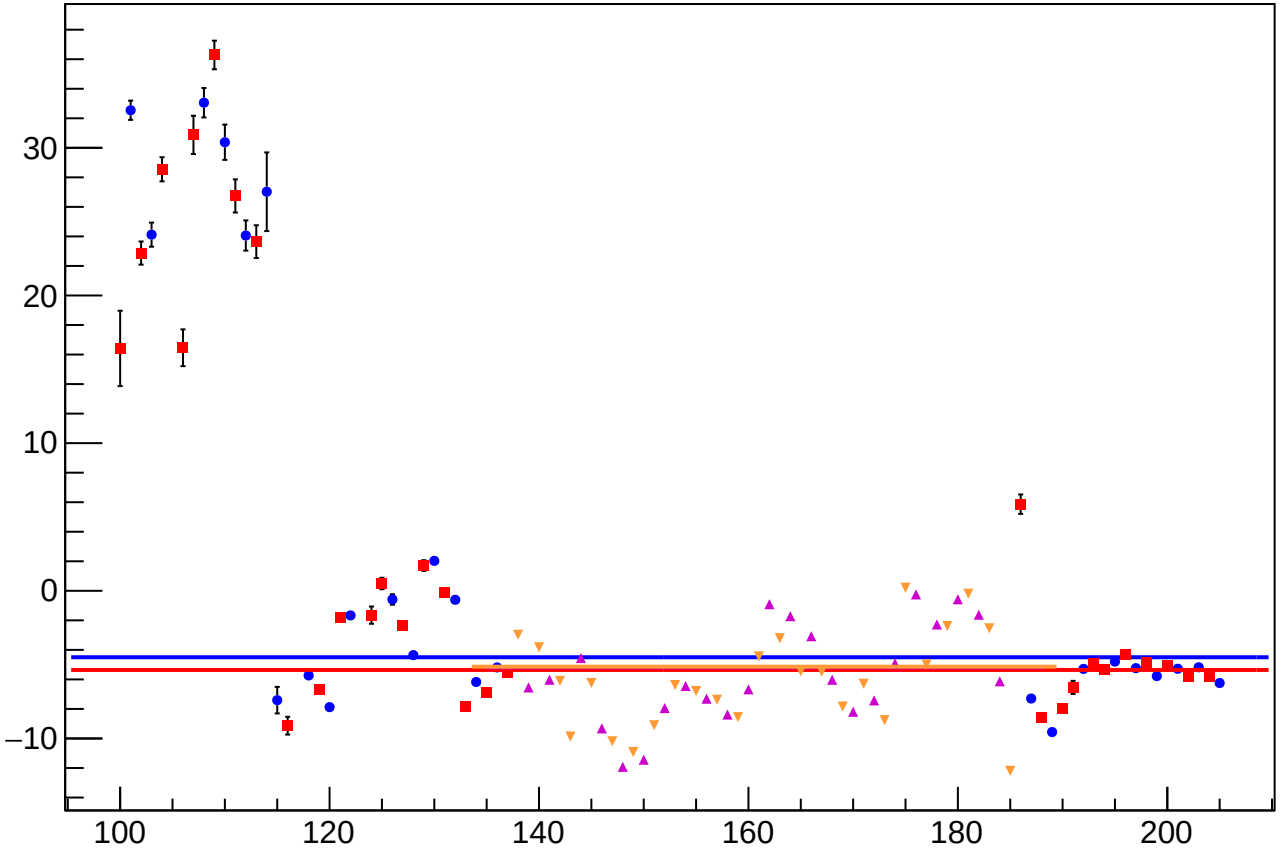
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.152+/-0.020 χ^2/NDF: 47654.2/49

All: 0.182+/-0.015 χ^2/NDF: 103936.4/102

- sign 0.213+/-0.021 χ^2/NDF: 56277.7/52

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.499+/-0.056 χ^2/NDF: 9513.9/24

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.359+/-0.051 χ^2/NDF: 10491.6/29

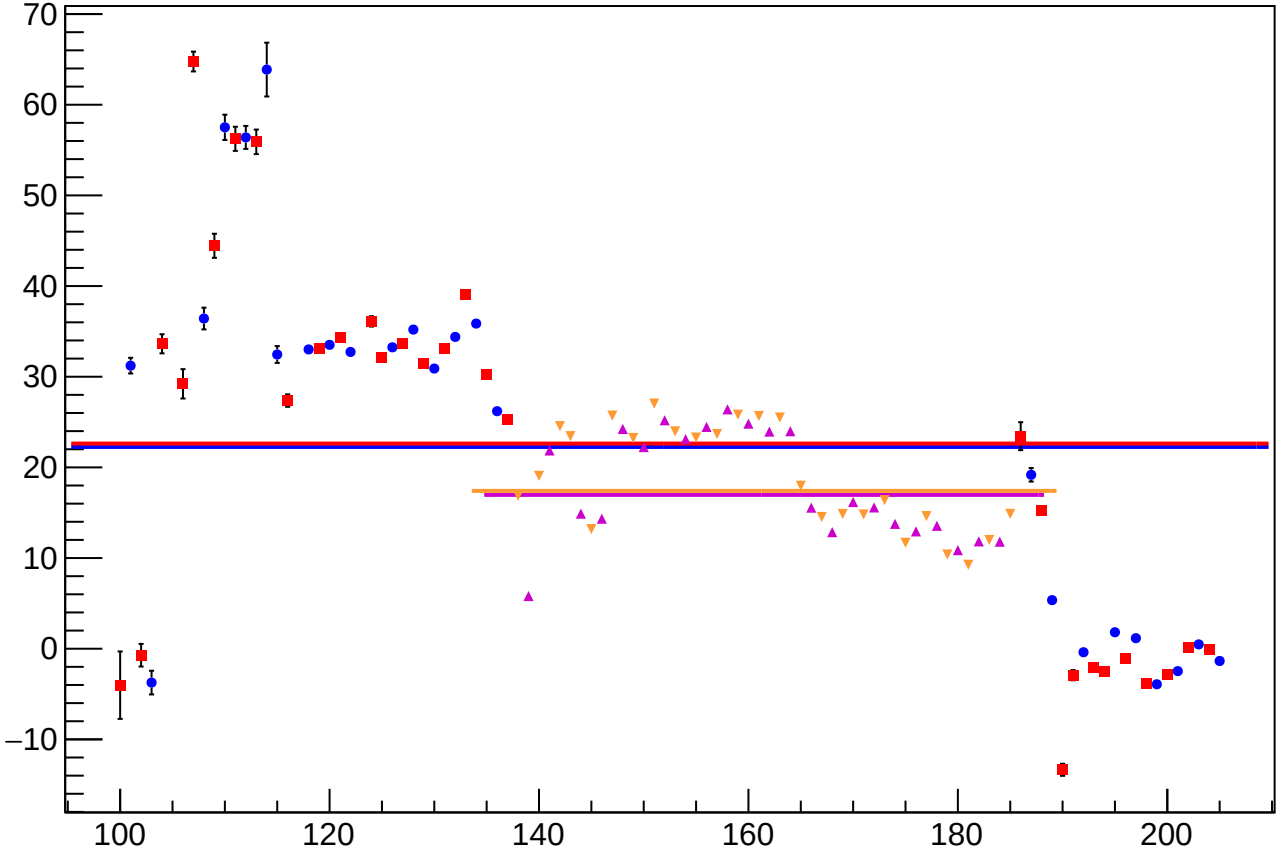
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.013+/-0.025 χ^2/NDF: 24243.3/49

All: -5.117+/-0.018 χ^2/NDF: 48742.8/102

- sign -5.220+/-0.025 χ^2/NDF: 24464.9/52

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 22.256+/-0.067 χ^2/NDF: 50840.7/24

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 22.627+/-0.066 χ^2/NDF: 62921.1/29

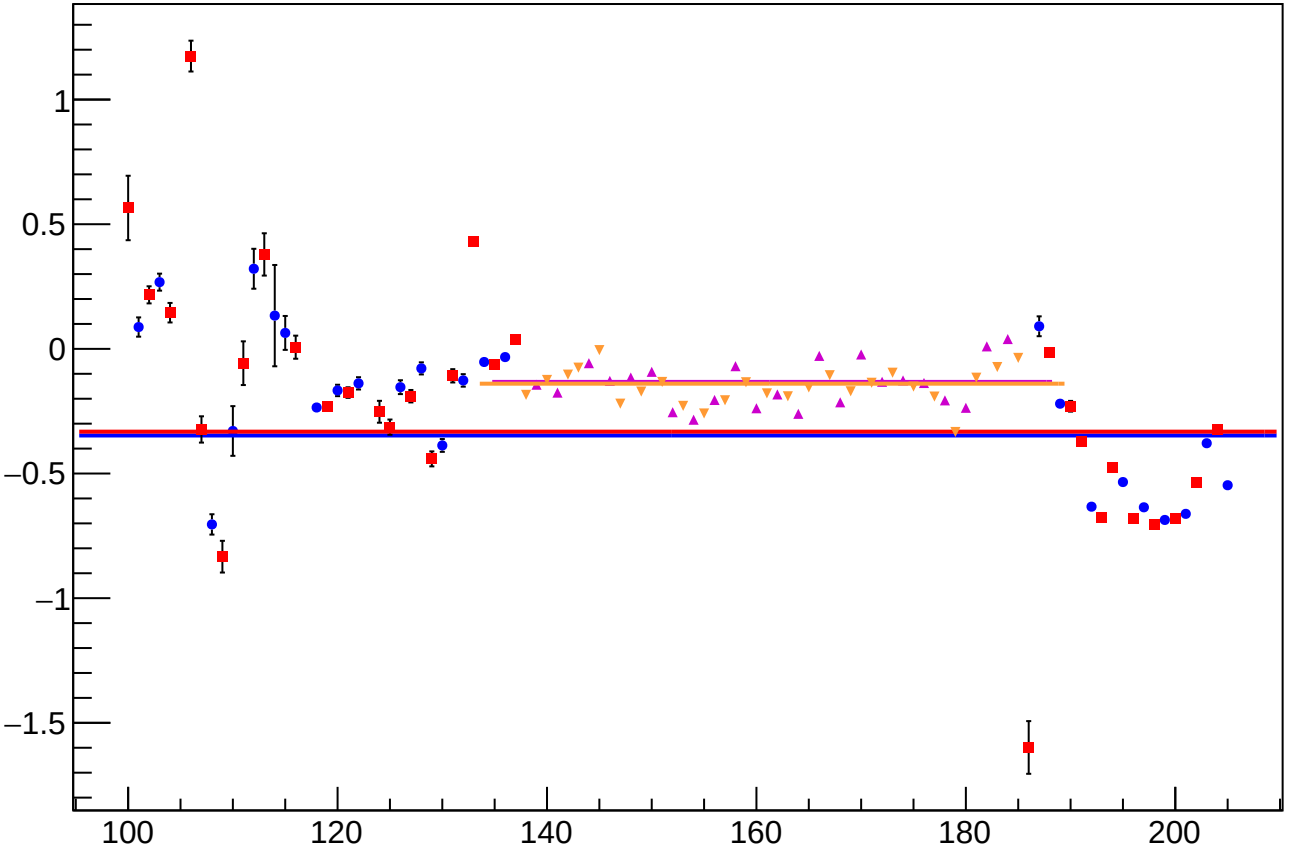
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.971+/-0.023 χ^2/NDF: 106032.1/49

All: 17.828+/-0.016 χ^2/NDF: 215409.7/102

- sign 17.679+/-0.023 χ^2/NDF: 109297.9/52

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.347+/-0.003 χ^2/NDF: 7302.6/24

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.332+/-0.003 χ^2/NDF: 11107.9/29

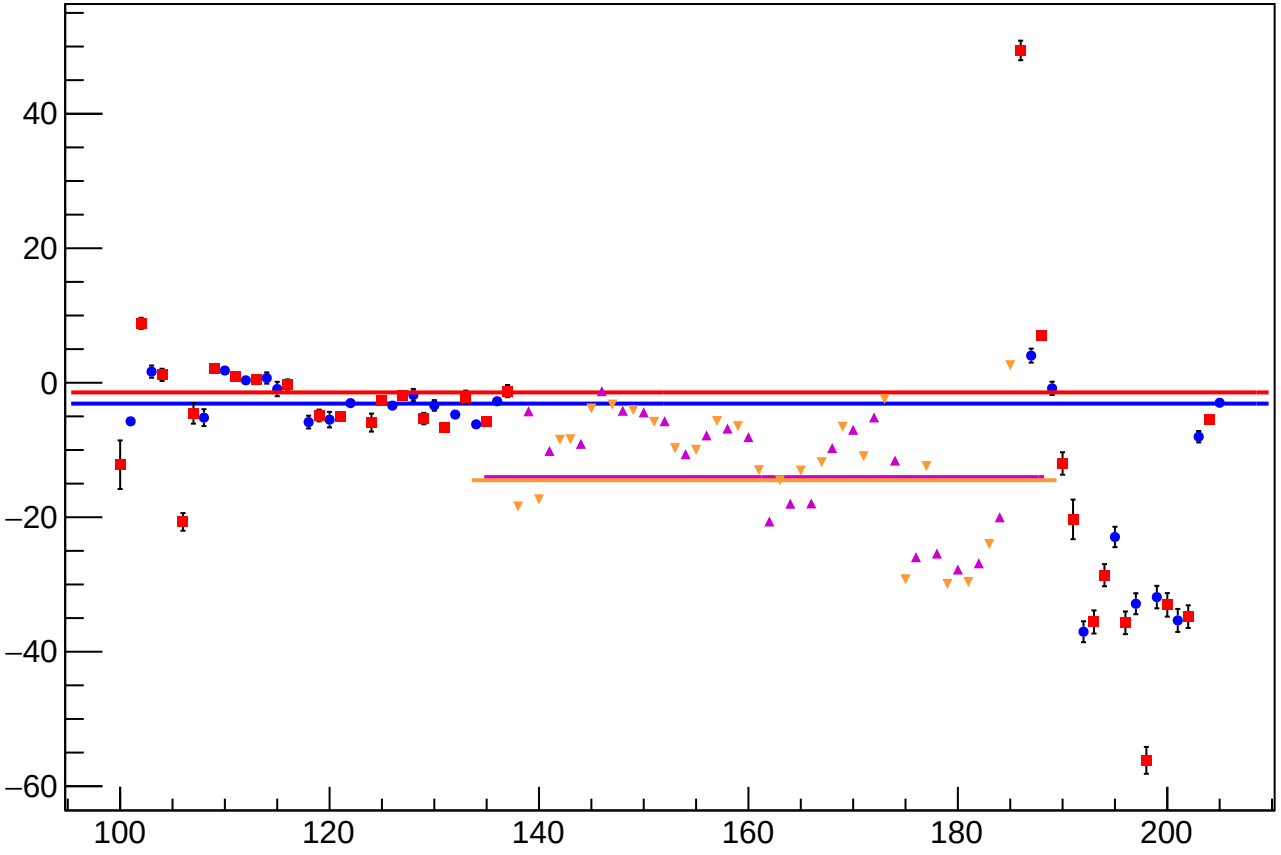
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.162+/-0.001 χ^2/NDF: 15311.0/49

All: -0.159+/-0.001 χ^2/NDF: 35789.1/102

- sign -0.156+/-0.001 χ^2/NDF: 20462.1/52

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.102+/-0.145 χ^2/NDF: 2113.4/24

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.437+/-0.136 χ^2/NDF: 4890.7/29

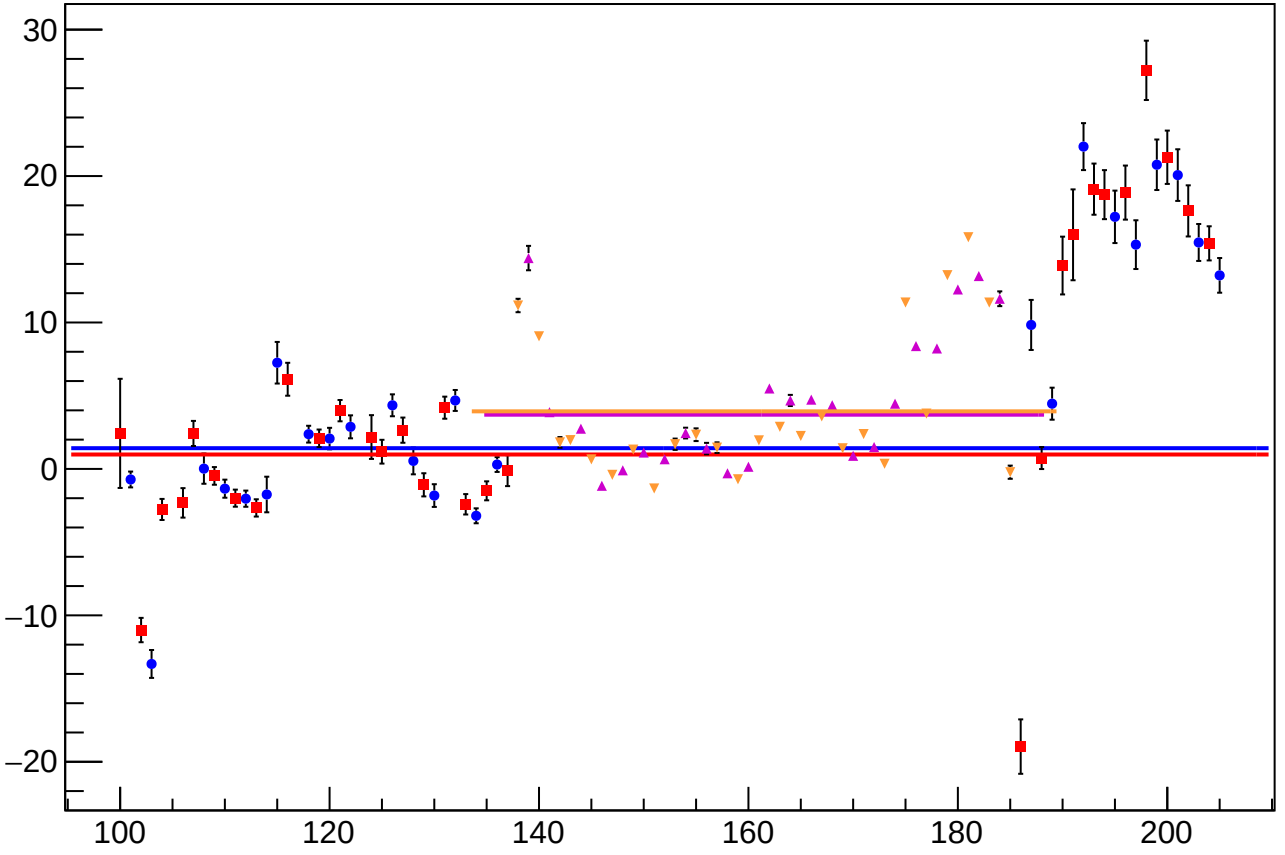
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.090+/-0.066 χ^2/NDF: 24245.9/49

All: -11.549+/-0.047 χ^2/NDF: 49239.9/102

- sign -11.000+/-0.067 χ^2/NDF: 24860.4/52

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.416+/-0.163 χ^2/NDF: 1293.2/24

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.985+/-0.165 χ^2/NDF: 1460.3/29

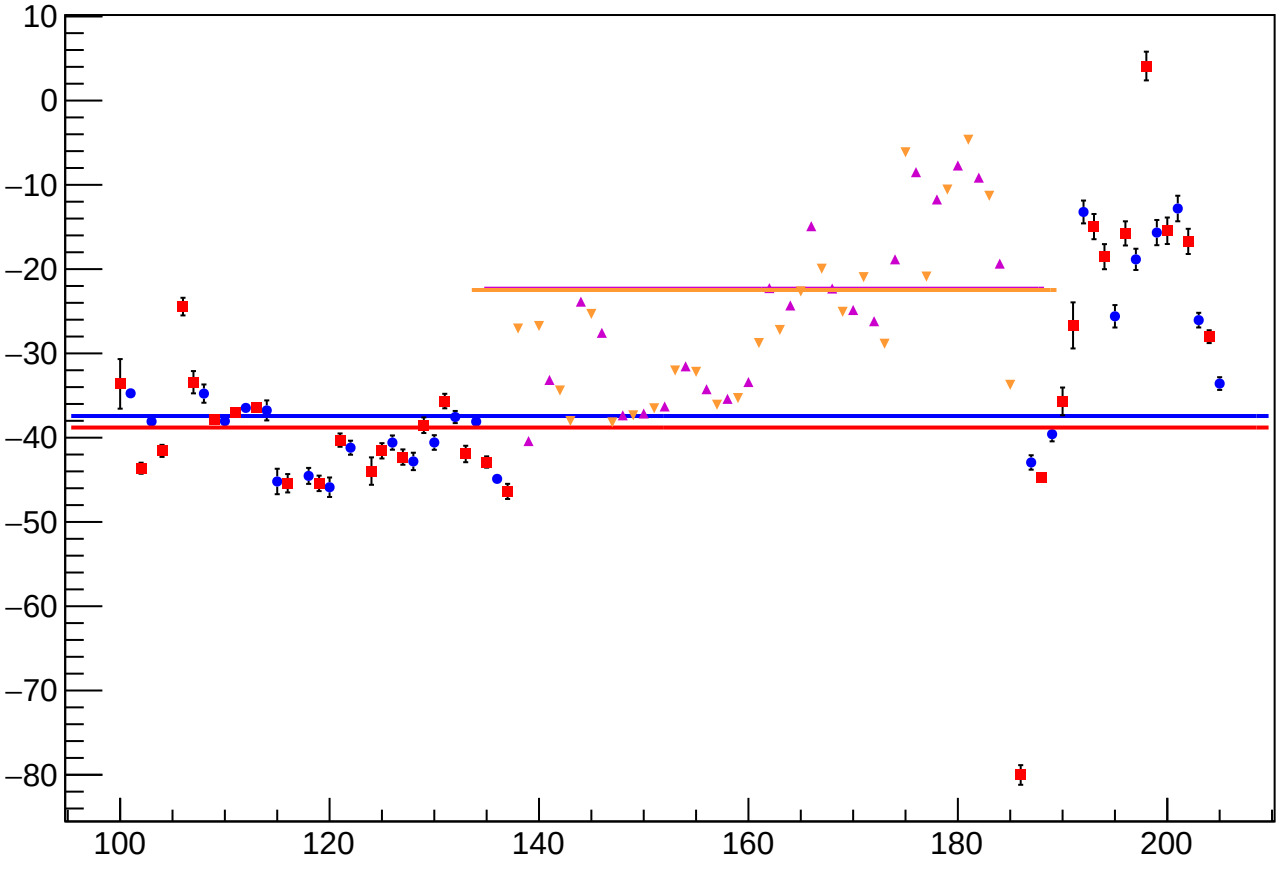
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.650+/-0.055 χ^2/NDF: 8484.0/49

All: 3.523+/-0.039 χ^2/NDF: 14984.9/102

- sign 3.391+/-0.056 χ^2/NDF: 6489.9/52

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.430+/-0.160 χ^2/NDF: 1874.1/24

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.796+/-0.155 χ^2/NDF: 4010.2/29

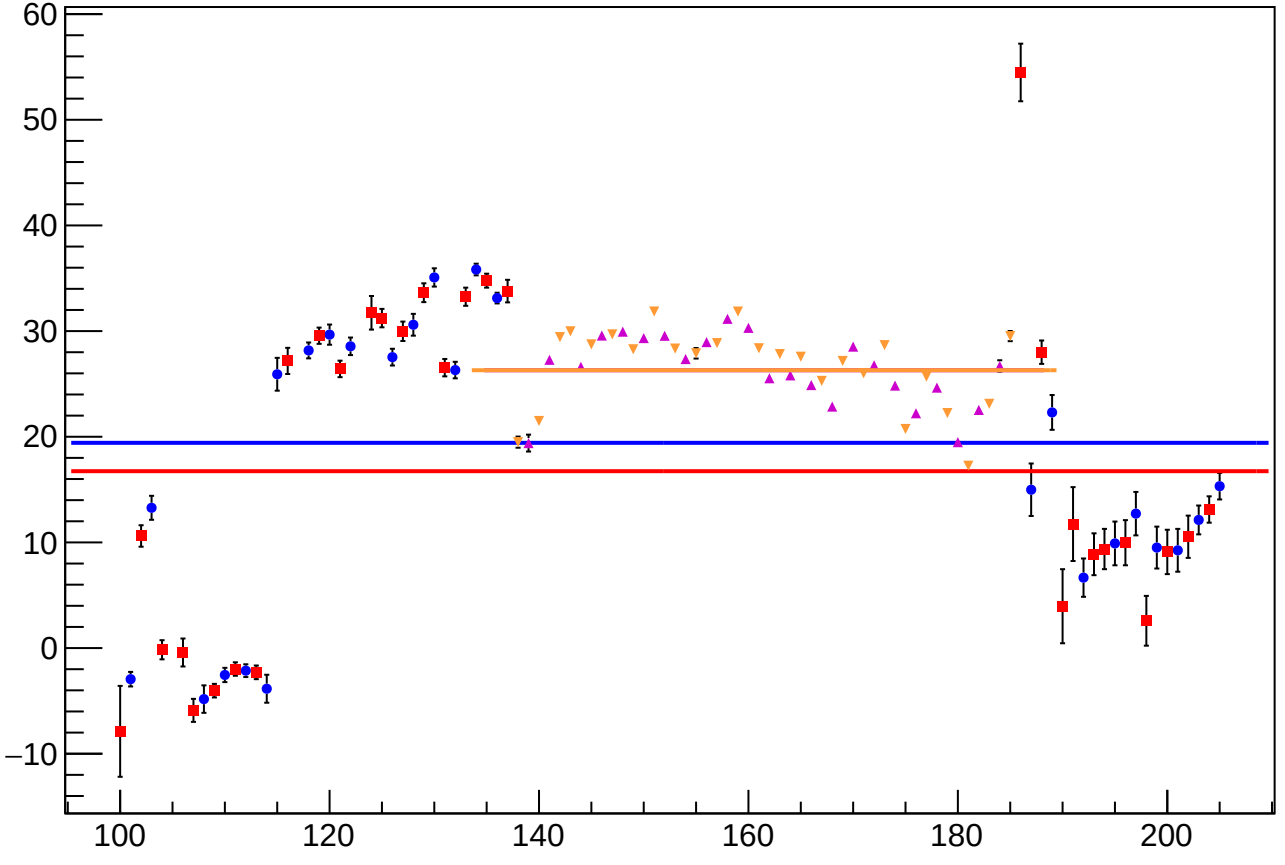
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.168+/-0.068 χ^2/NDF: 29484.1/49

All: -25.355+/-0.048 χ^2/NDF: 59704.6/102

- sign -25.547+/-0.069 χ^2/NDF: 30205.1/52

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.425+/-0.185 χ^2/NDF: 6875.0/24

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.741+/-0.188 χ^2/NDF: 7157.8/29

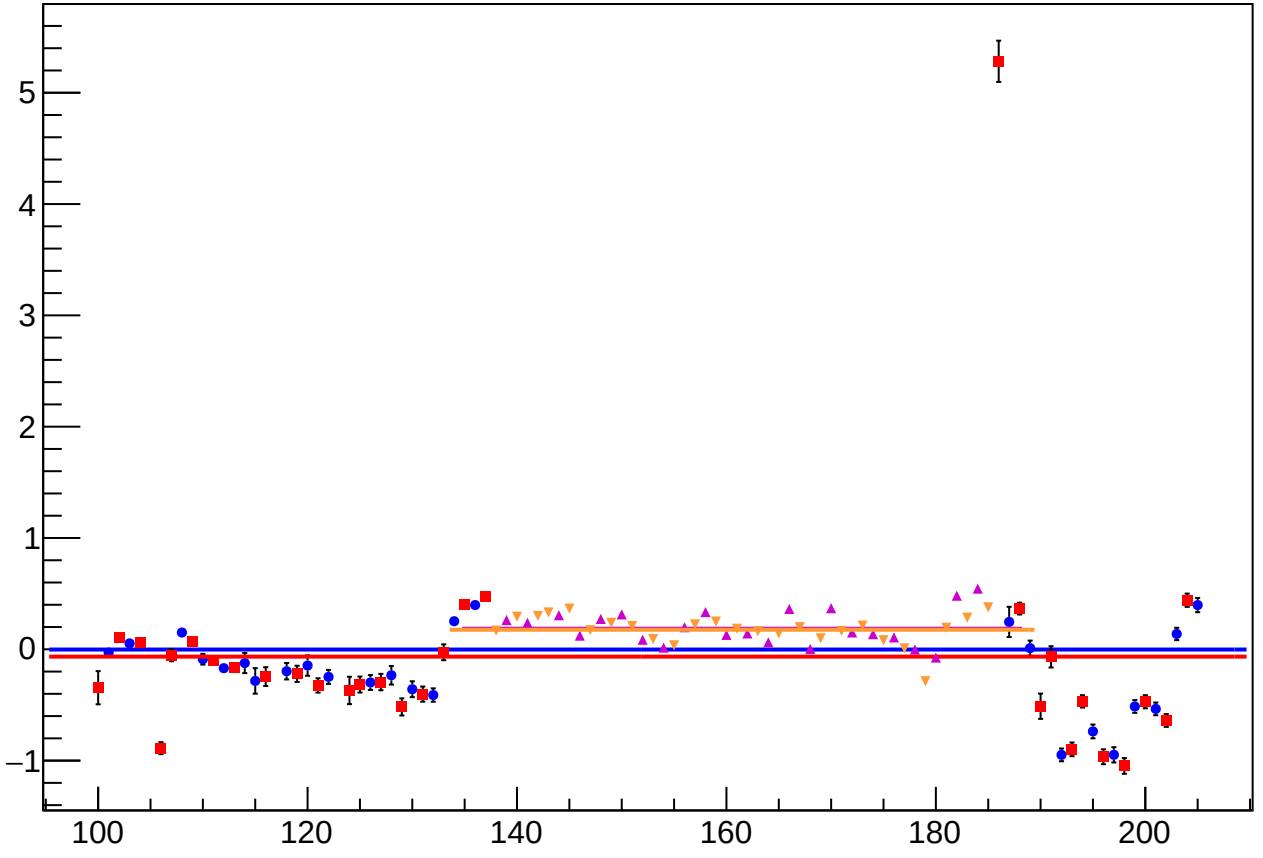
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.536+/-0.061 χ^2/NDF: 11415.1/49

All: 25.386+/-0.044 χ^2/NDF: 23059.8/102

- sign 25.228+/-0.063 χ^2/NDF: 11632.4/52

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 1457.8/24

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.066+/-0.010 χ^2/NDF: 2624.7/29

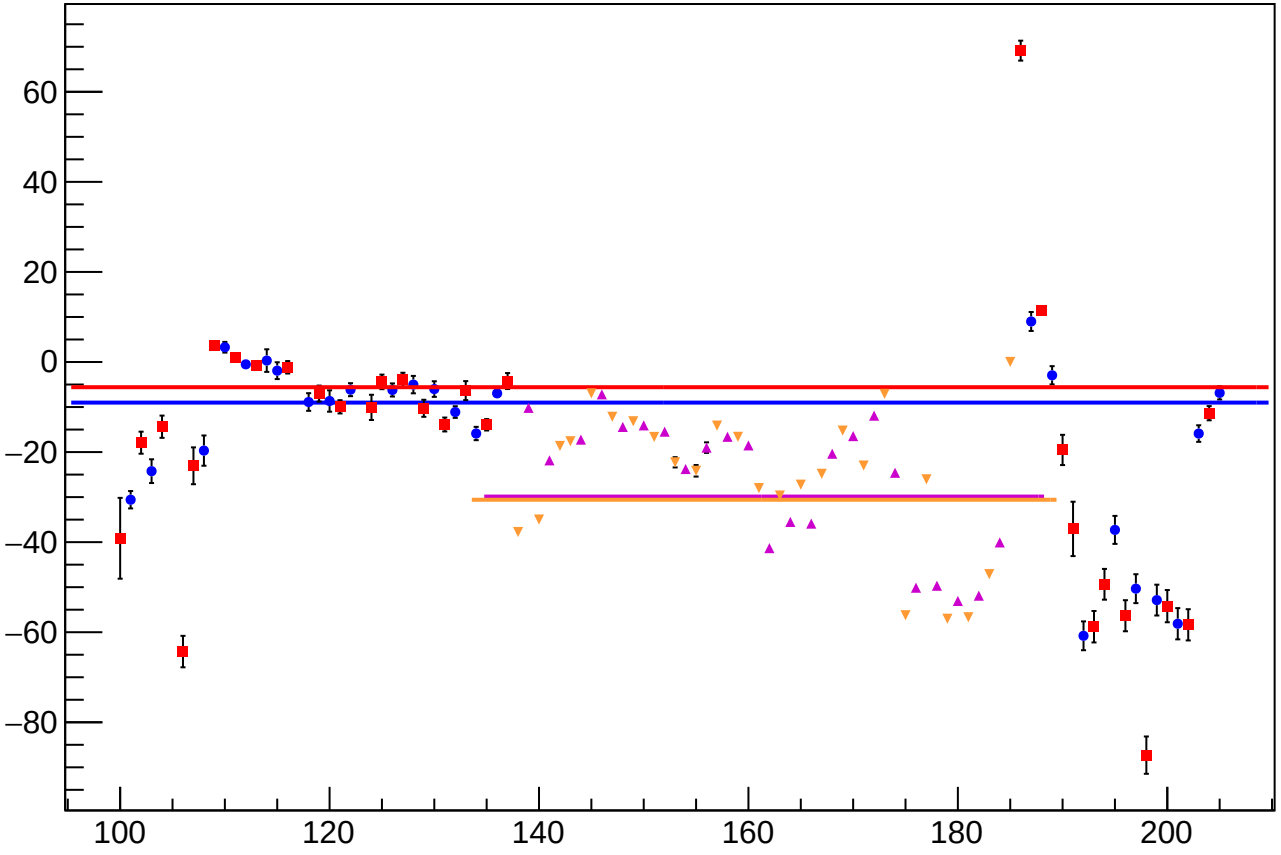
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.160+/-0.003 χ^2/NDF: 3723.1/49

All: 0.162+/-0.002 χ^2/NDF: 9502.0/102

- sign 0.163+/-0.003 χ^2/NDF: 5778.2/52

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -9.013+/-0.337 χ^2/NDF: 1396.8/24

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.595+/-0.327 χ^2/NDF: 3452.5/29

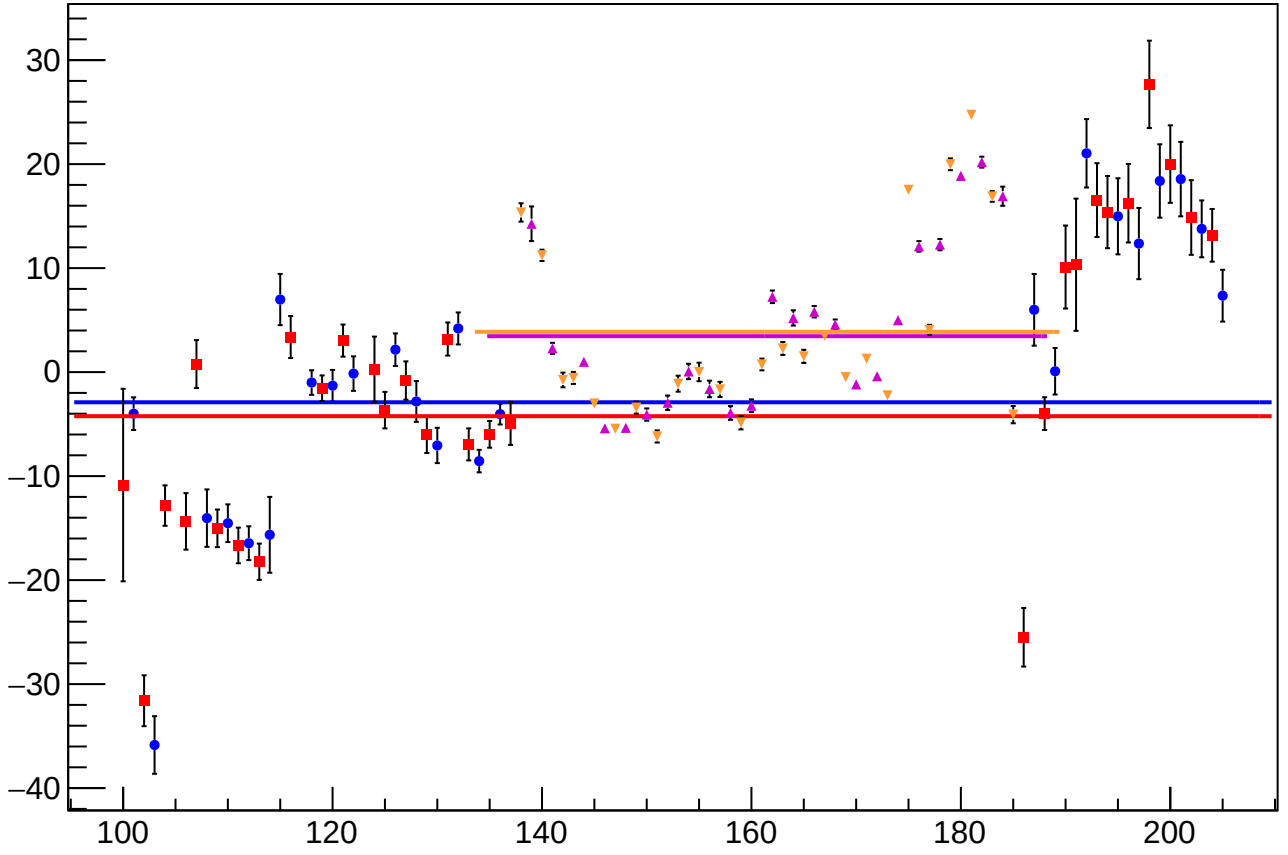
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.337+/-0.131 χ^2/NDF: 20913.8/49

All: -26.600+/-0.093 χ^2/NDF: 41058.9/102

- sign -25.834+/-0.133 χ^2/NDF: 20080.4/52

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901+/-0.368 χ^2/NDF: 601.7/24

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.240+/-0.379 χ^2/NDF: 737.0/29

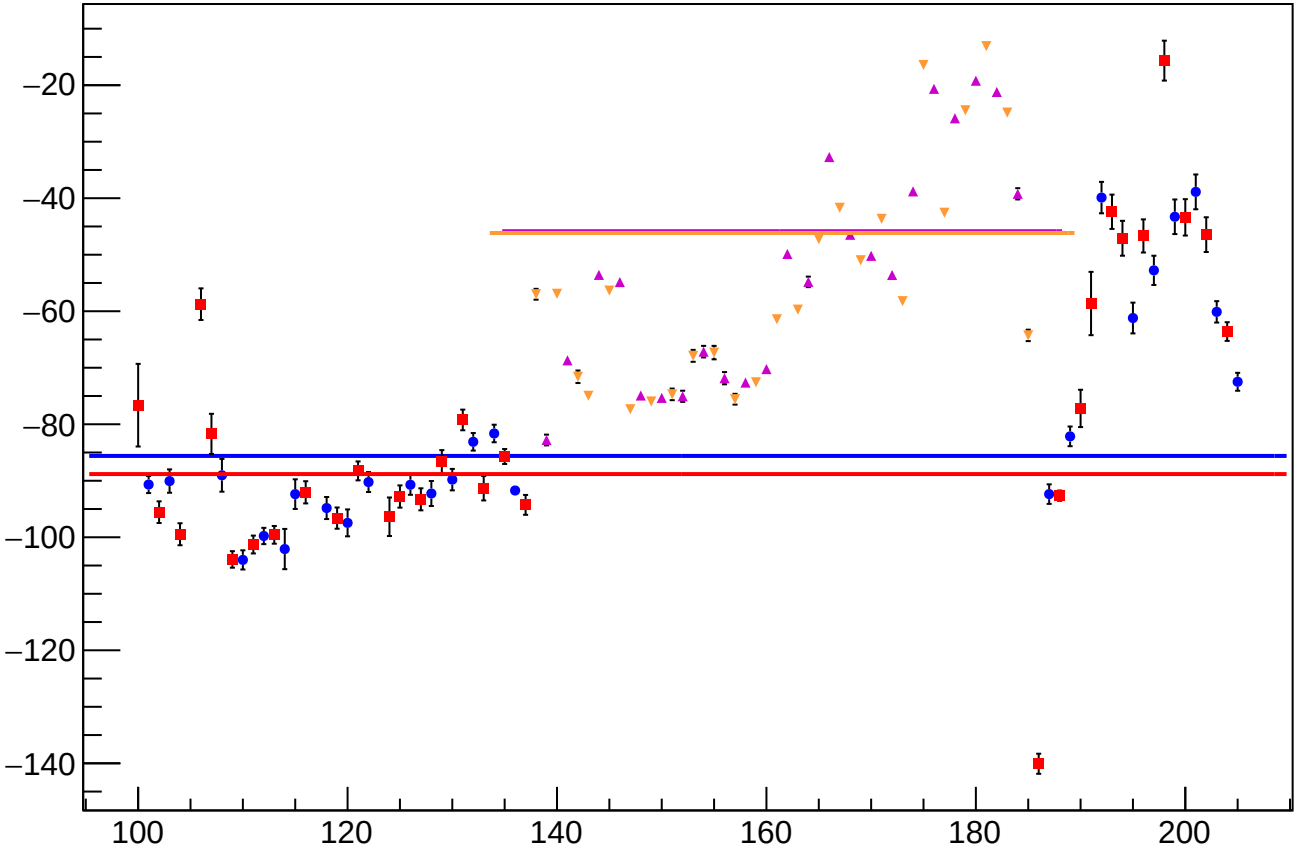
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.306+/-0.106 χ^2/NDF: 7454.3/49

All: 3.067+/-0.076 χ^2/NDF: 13274.0/102

- sign 2.817+/-0.109 χ^2/NDF: 5809.4/52

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.604+/-0.364 χ^2/NDF: 1597.0/24

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.817+/-0.357 χ^2/NDF: 3024.3/29

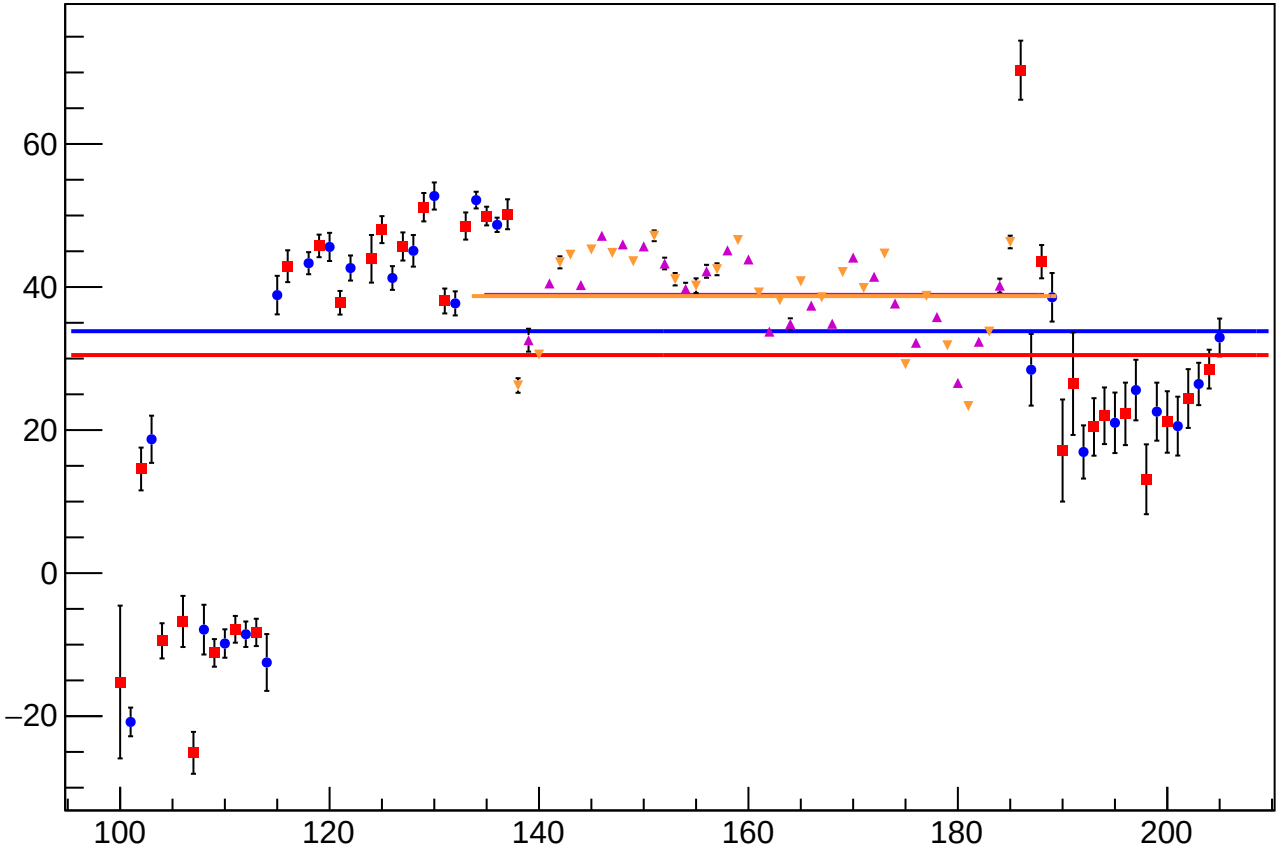
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.378+/-0.133 χ^2/NDF: 33217.1/49

All: -51.678+/-0.095 χ^2/NDF: 66587.7/102

- sign -51.989+/-0.135 χ^2/NDF: 33360.3/52

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.824+/-0.415 χ^2/NDF: 2874.4/24

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.488+/-0.433 χ^2/NDF: 3074.3/29

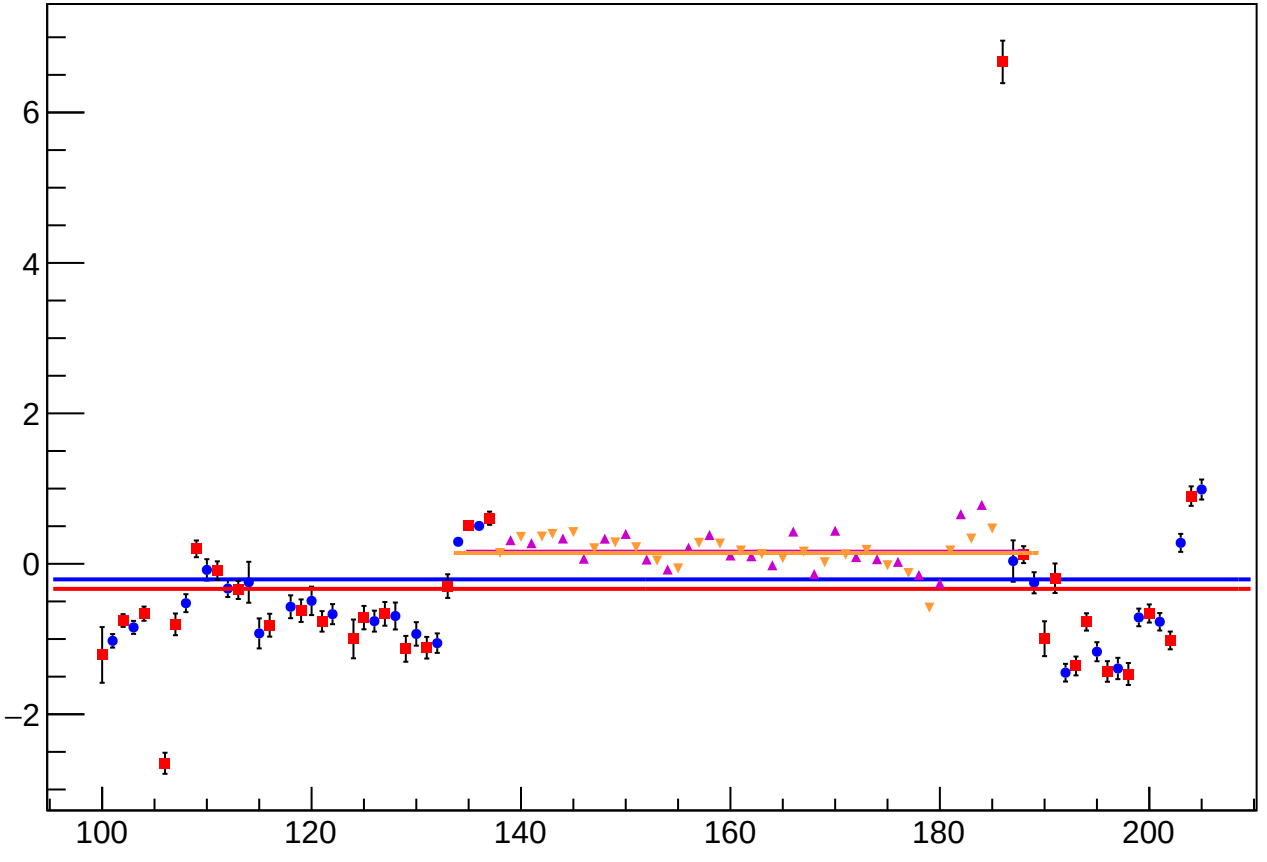
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.325+/-0.119 χ^2/NDF: 5784.3/49

All: 38.280+/-0.085 χ^2/NDF: 11178.4/102

- sign 38.234+/-0.122 χ^2/NDF: 5393.8/52

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.207+/-0.021 χ^2/NDF: 1029.9/24

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

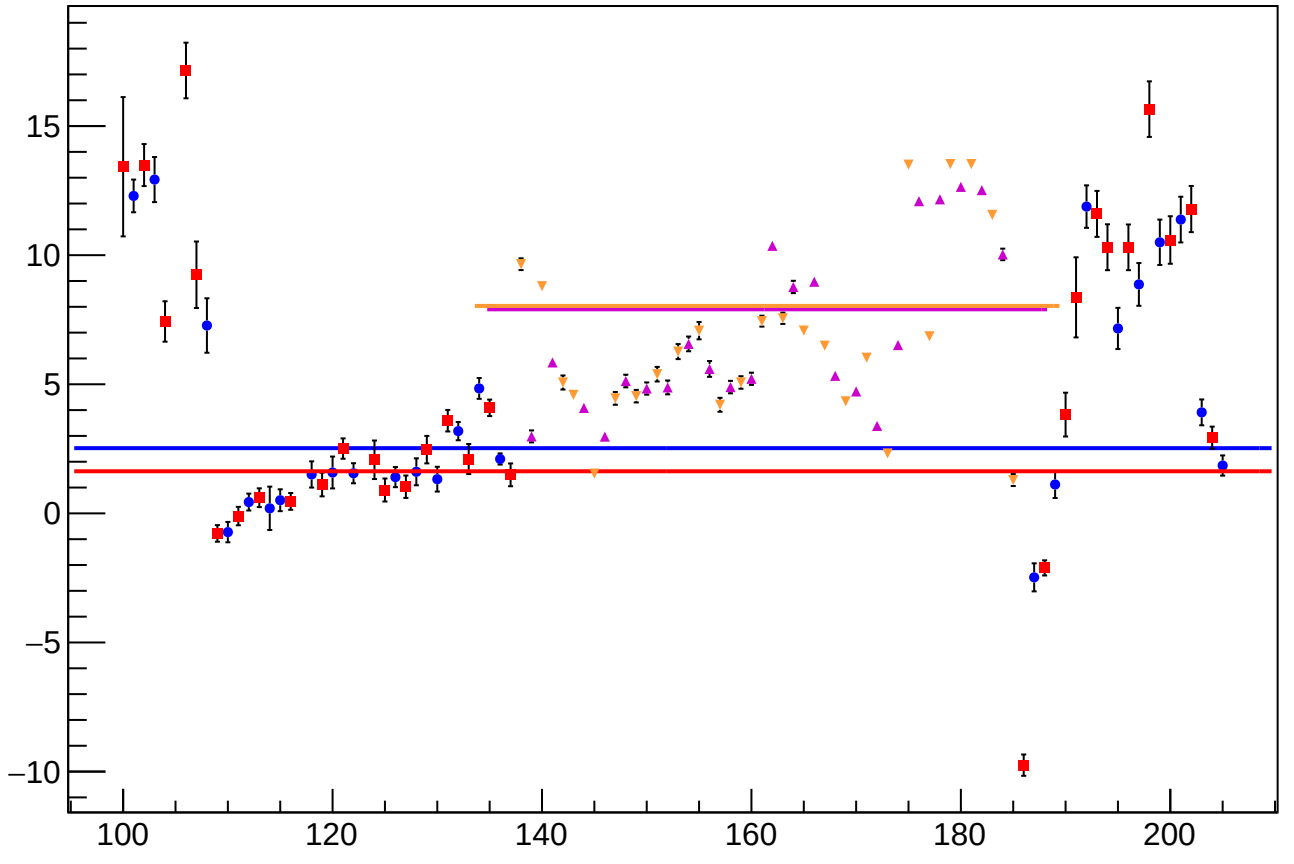
Right Out: -0.333+/-0.022 χ^2/NDF: 1806.1/29

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.121+/-0.005 χ^2/NDF: 2731.4/49

All: 0.126+/-0.004 χ^2/NDF: 6920.8/102

- sign 0.131+/-0.006 χ^2/NDF: 4187.6/52



Right In: 2.526+/-0.093 χ^2/NDF: 1116.7/24

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

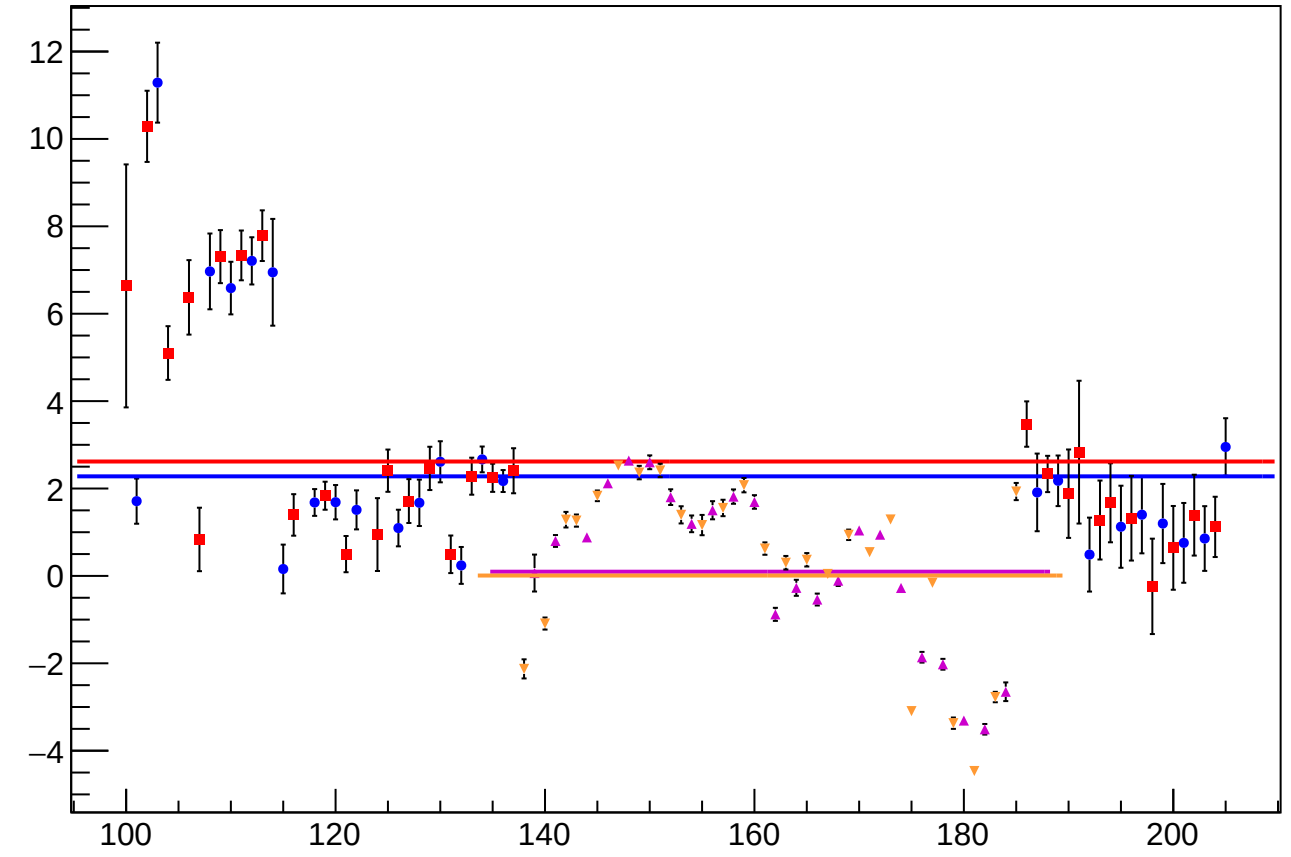
Right Out: 1.631+/-0.091 χ^2/NDF: 2394.8/29

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.361+/-0.033 χ^2/NDF: 18113.6/49

All: 7.212+/-0.023 χ^2/NDF: 34711.6/102

- sign 7.056+/-0.033 χ^2/NDF: 16555.0/52



Right In: 2.278+/-0.100 χ^2/NDF: 351.2/24

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.618+/-0.103 χ^2/NDF: 439.4/29

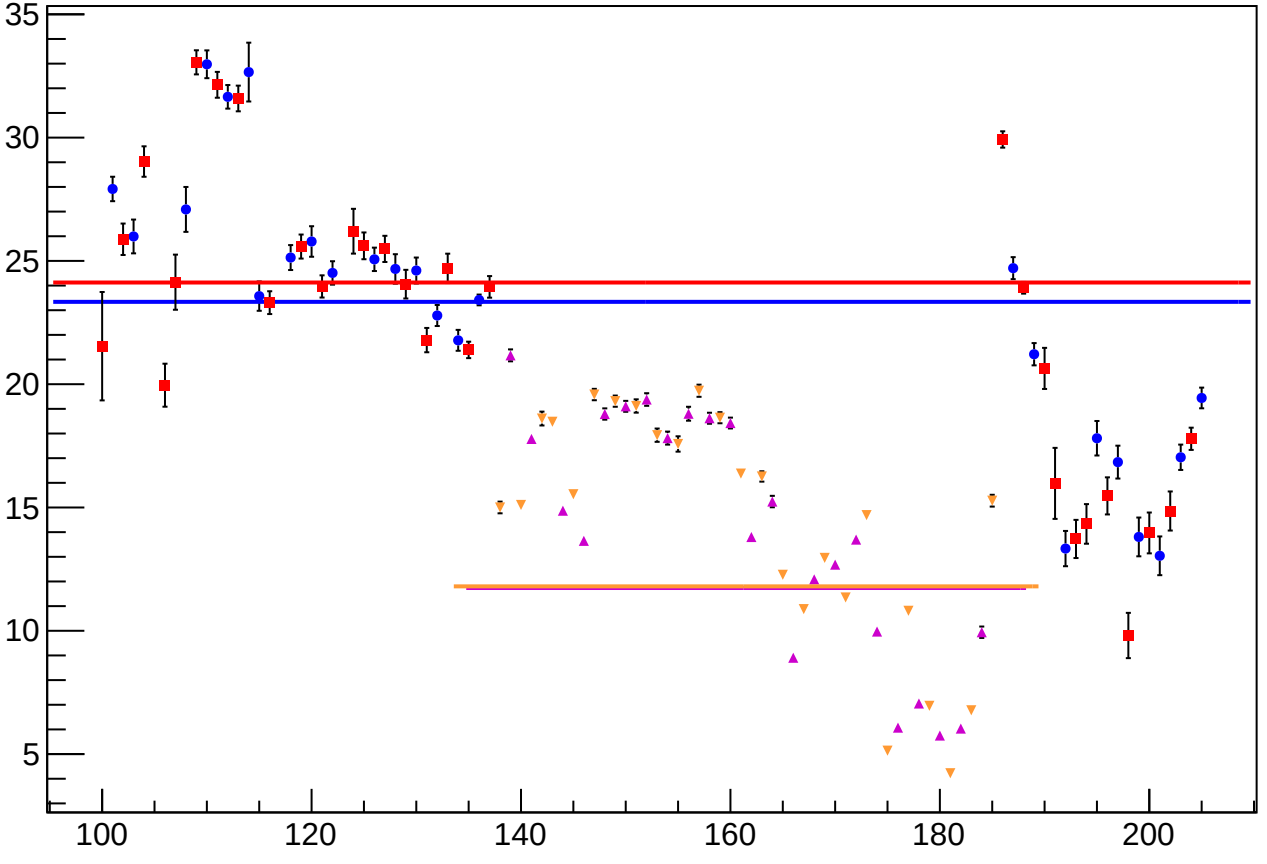
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.168+/-0.027 χ^2/NDF: 6590.5/49

All: 0.218+/-0.019 χ^2/NDF: 12027.2/102

- sign 0.271+/-0.027 χ^2/NDF: 5429.3/52

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.340+/-0.099 χ^2/NDF: 1786.7/24

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

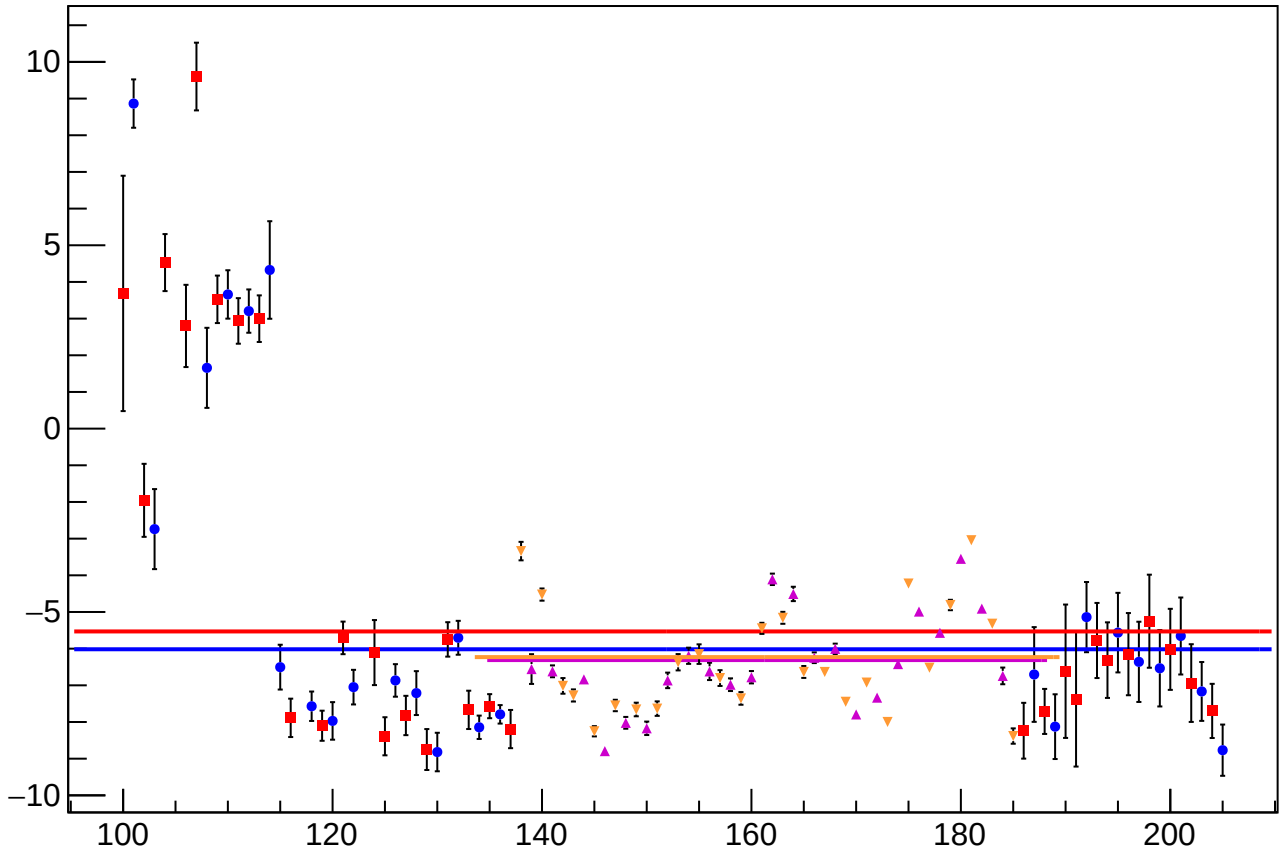
Right Out: 24.124+/-0.096 χ^2/NDF: 2536.6/29

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.065+/-0.033 χ^2/NDF: 35271.3/49

All: 13.152+/-0.023 χ^2/NDF: 70388.7/102

- sign 13.243+/-0.034 χ^2/NDF: 35103.1/52



Right In: -6.017+/-0.113 χ^2/NDF: 1277.8/24

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.530+/-0.118 χ^2/NDF: 1335.8/29

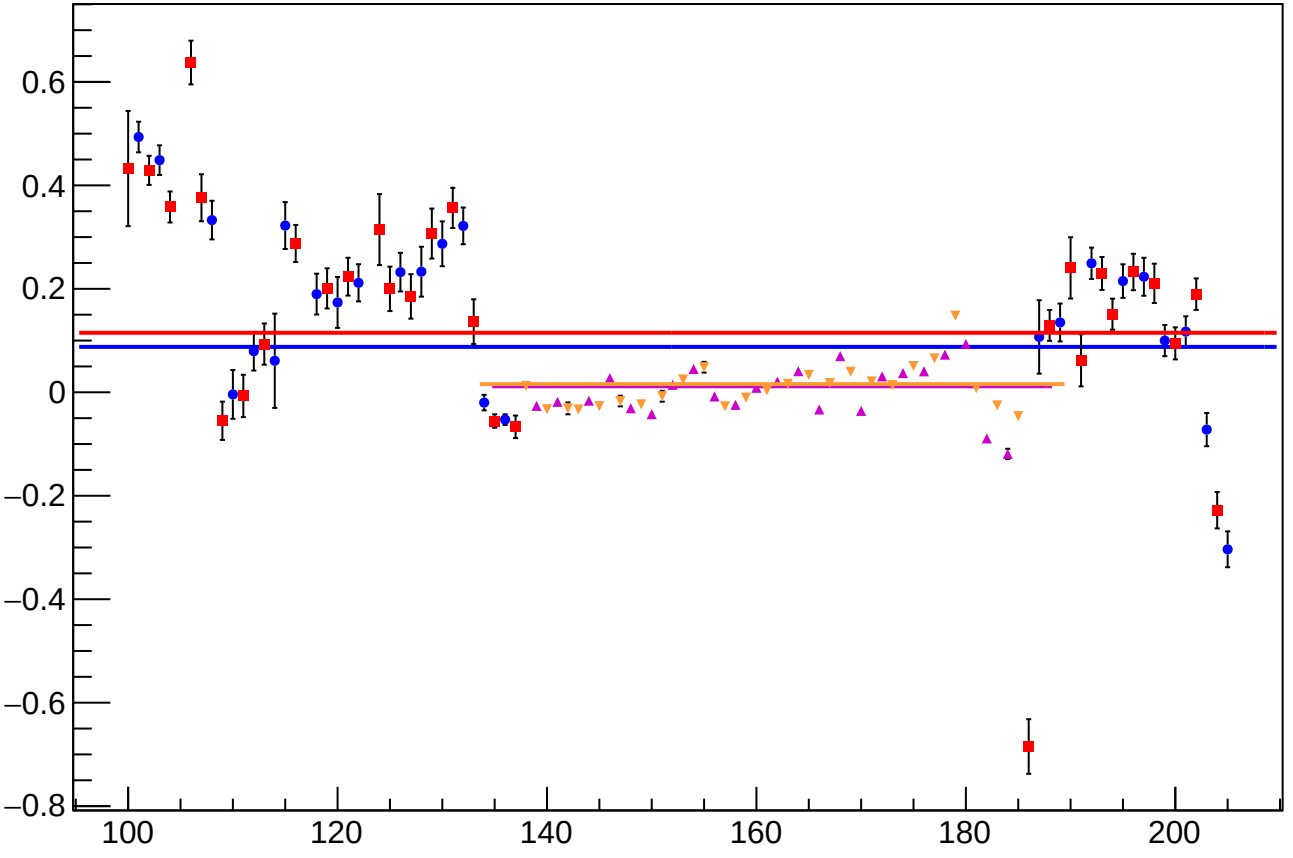
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.216+/-0.030 χ^2/NDF: 3731.2/49

All: -6.237+/-0.021 χ^2/NDF: 7138.9/102

- sign -6.260+/-0.030 χ^2/NDF: 3406.6/52

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.088+/-0.006 χ^2/NDF: 980.7/24

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.115+/-0.006 χ^2/NDF: 1132.3/29

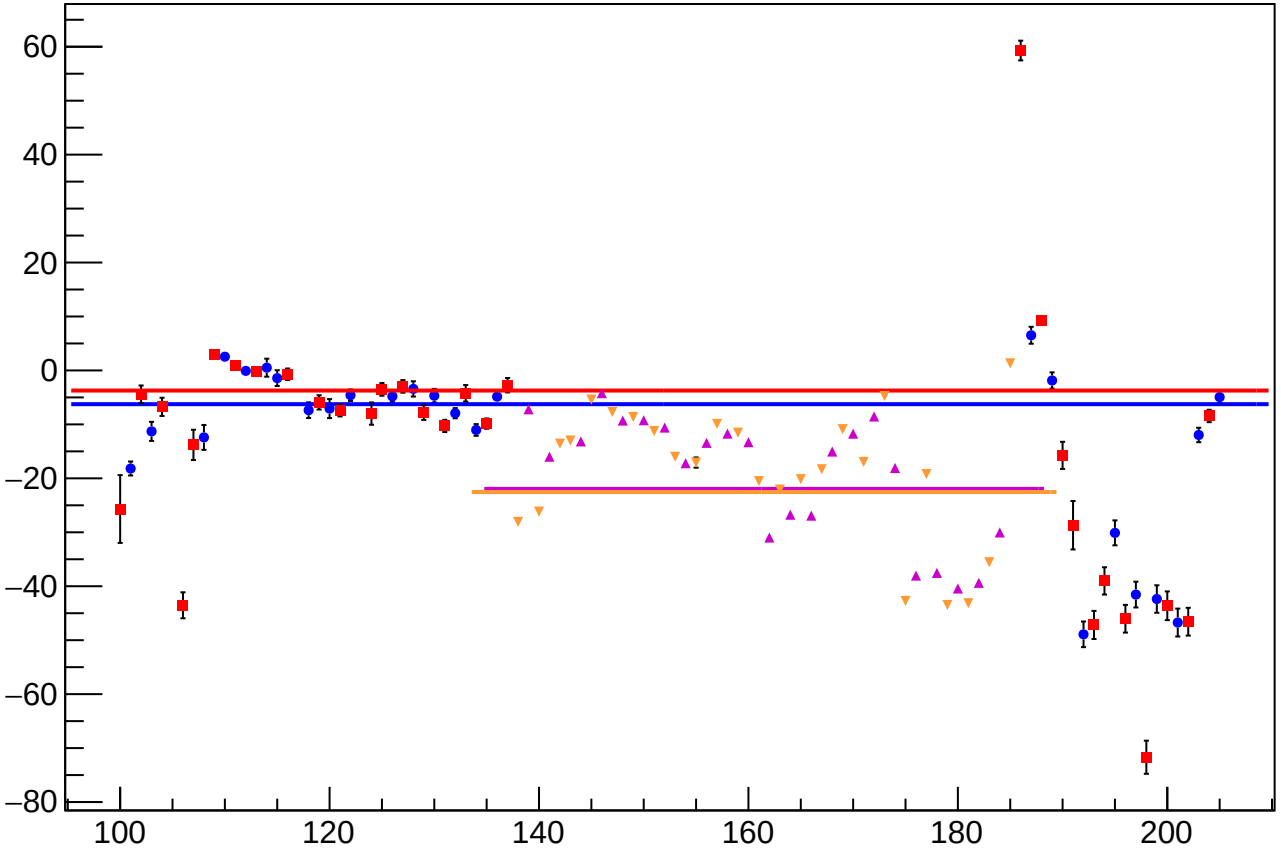
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 2064.7/49

All: 0.018+/-0.001 χ^2/NDF: 4773.4/102

- sign 0.017+/-0.001 χ^2/NDF: 2706.6/52

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -6.255+/-0.243 χ^2/NDF: 1563.8/24

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.728+/-0.234 χ^2/NDF: 3832.1/29

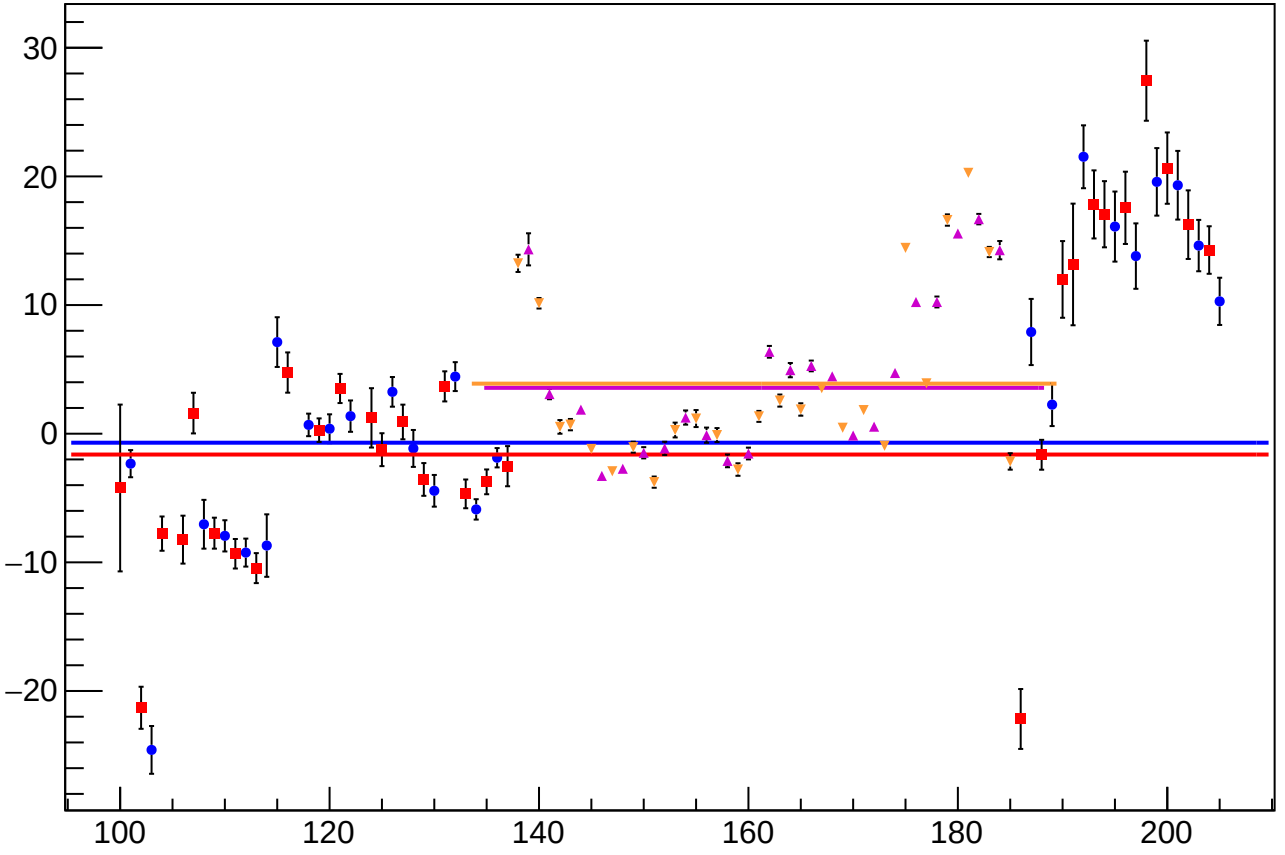
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.842+/-0.099 χ^2/NDF: 21860.4/49

All: -19.229+/-0.070 χ^2/NDF: 43315.4/102

- sign -18.595+/-0.100 χ^2/NDF: 21376.6/52

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.700+/-0.267 χ^2/NDF: 775.0/24

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

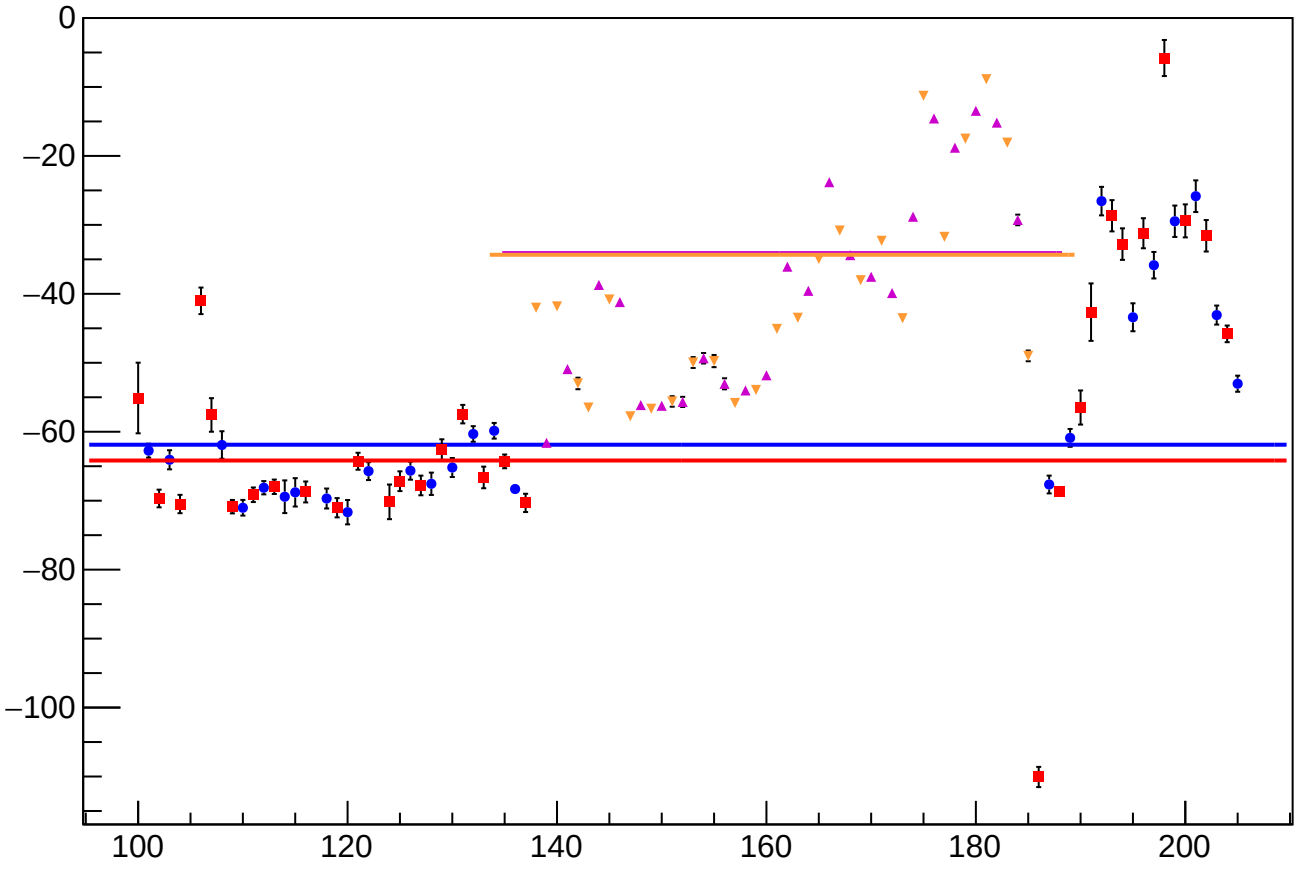
Right Out: -1.620+/-0.273 χ^2/NDF: 926.0/29

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.475+/-0.080 χ^2/NDF: 7768.5/49

All: 3.290+/-0.057 χ^2/NDF: 13771.8/102

- sign 3.097+/-0.082 χ^2/NDF: 5992.6/52



Right In: -61.882+/-0.264 χ^2/NDF: 1599.2/24

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -64.173+/-0.258 χ^2/NDF: 3247.3/29

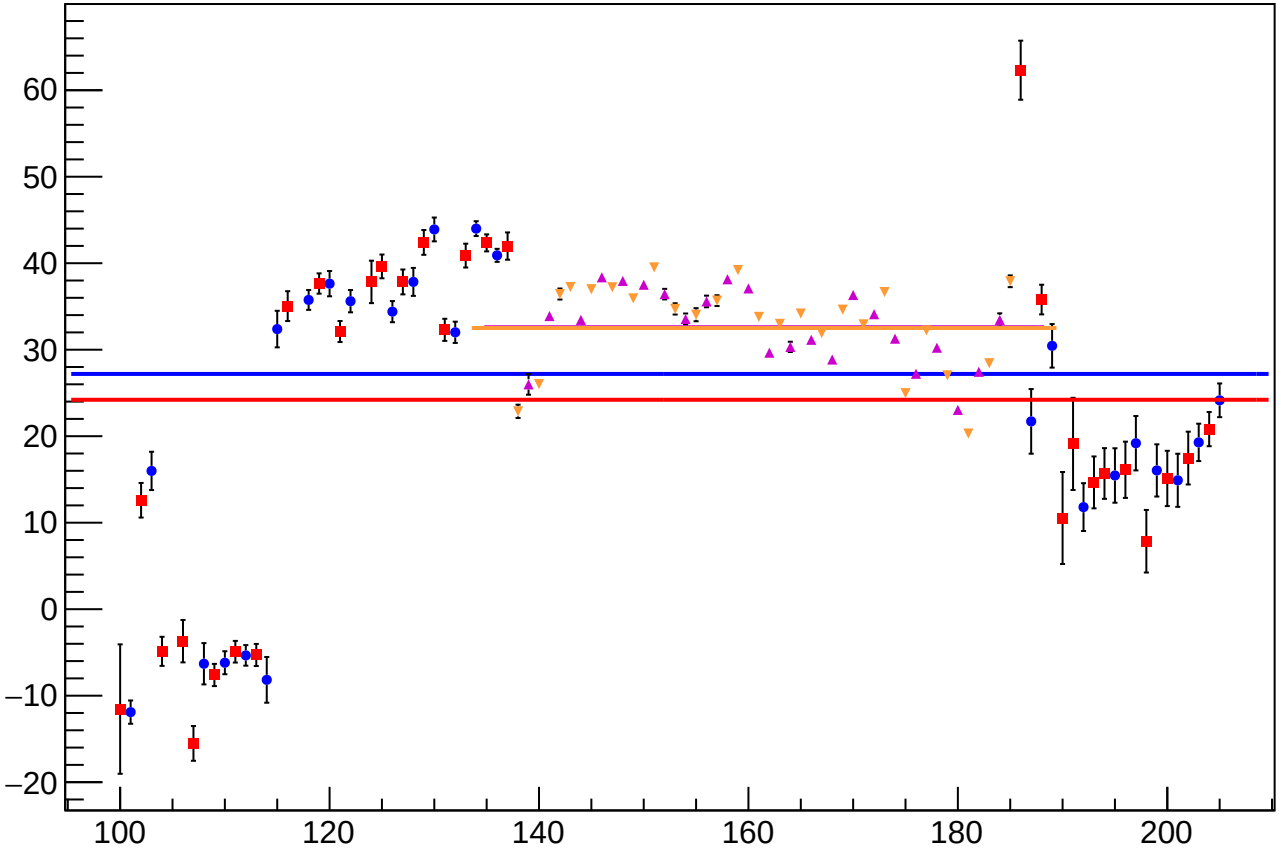
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.309+/-0.100 χ^2/NDF: 32140.7/49

All: -38.540+/-0.071 χ^2/NDF: 64583.4/102

- sign -38.780+/-0.102 χ^2/NDF: 32431.8/52

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.199+/-0.301 χ^2/NDF: 3836.7/24

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

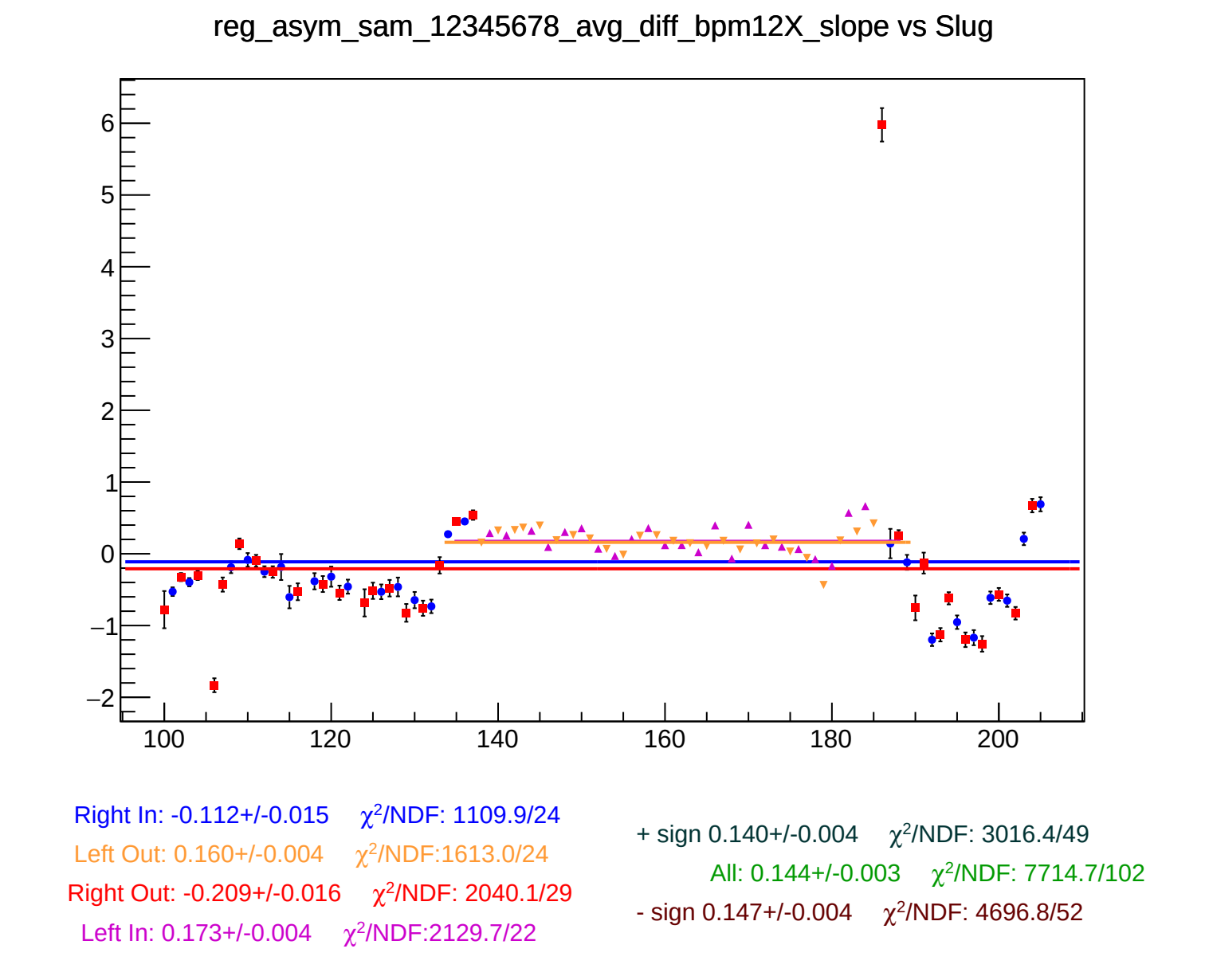
Right Out: 24.212+/-0.313 χ^2/NDF: 4080.5/29

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

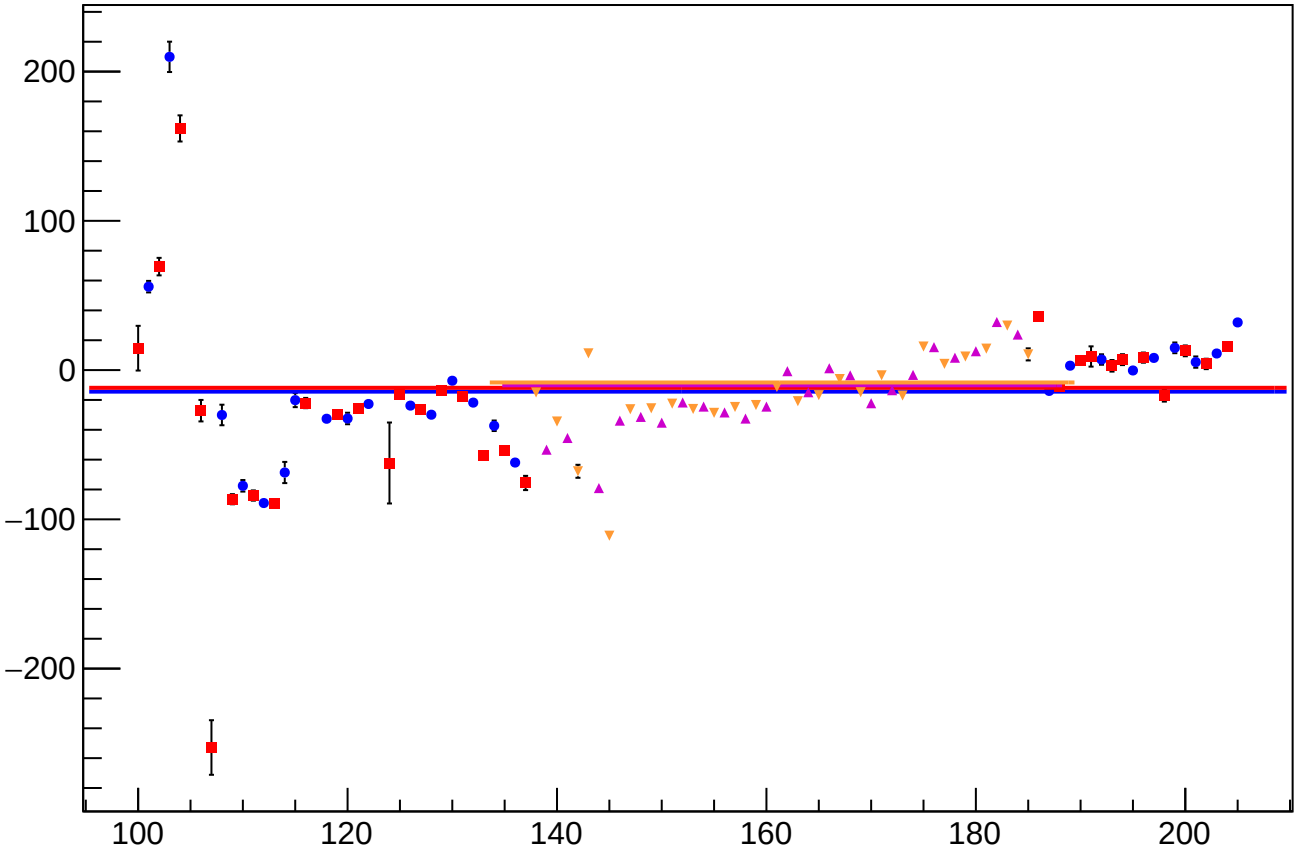
+ sign 32.034+/-0.090 χ^2/NDF: 7057.8/49

All: 31.952+/-0.065 χ^2/NDF: 13809.8/102

- sign 31.865+/-0.092 χ^2/NDF: 6750.3/52


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.112+/-0.015 χ²/NDF: 1109.9/24
Left Out: 0.160+/-0.004 χ²/NDF:1613.0/24
Right Out: -0.209+/-0.016 χ²/NDF: 2040.1/29
Left In: 0.173+/-0.004 χ²/NDF:2129.7/22
+ sign 0.140+/-0.004 χ²/NDF: 3016.4/49
All: 0.144+/-0.003 χ²/NDF: 7714.7/102
- sign 0.147+/-0.004 χ²/NDF: 4696.8/52

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -14.429+/-0.617 χ^2/NDF: 3060.6/24

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -11.871+/-0.556 χ^2/NDF: 4258.3/29

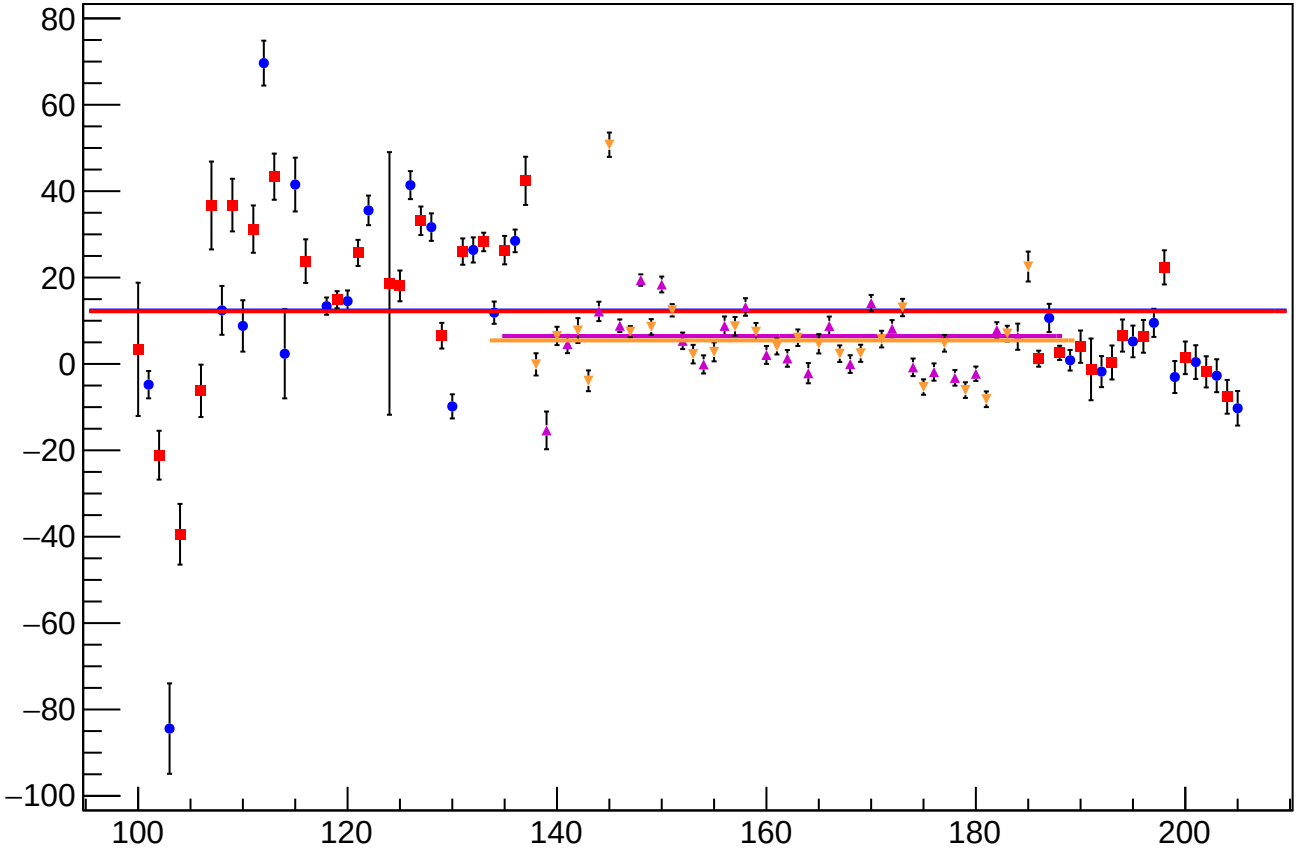
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -10.808+/-0.395 χ^2/NDF: 5678.6/49

All: -10.897+/-0.275 χ^2/NDF: 12460.2/102

- sign -10.980+/-0.382 χ^2/NDF: 6781.6/52

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 12.365+/-0.665 χ^2/NDF: 665.4/24

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 12.197+/-0.626 χ^2/NDF: 511.0/29

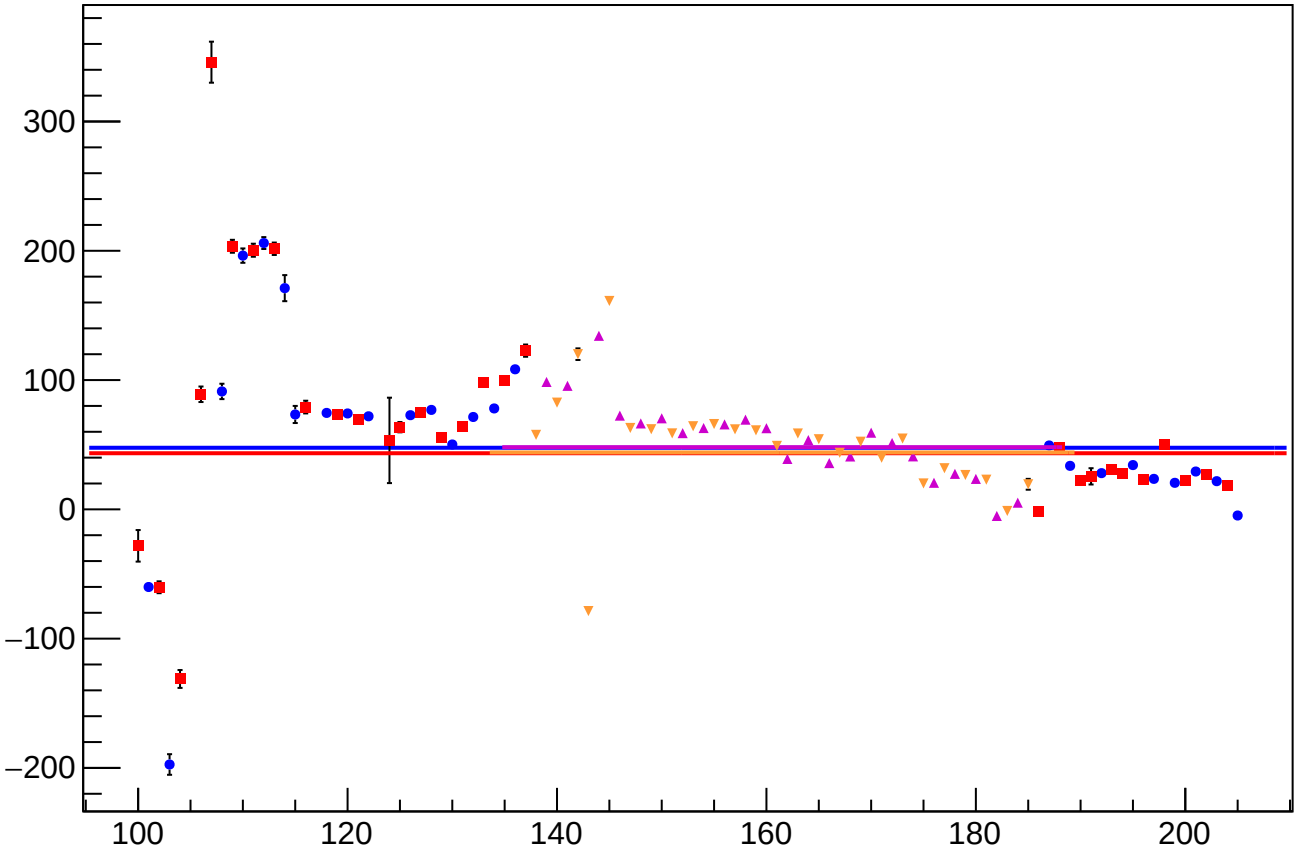
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 7.243+/-0.339 χ^2/NDF: 1239.3/49

All: 7.704+/-0.241 χ^2/NDF: 2149.0/102

- sign 8.173+/-0.342 χ^2/NDF: 906.0/52

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 47.648+/-0.607 χ^2/NDF: 6309.0/24

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 43.406+/-0.521 χ^2/NDF: 7704.7/29

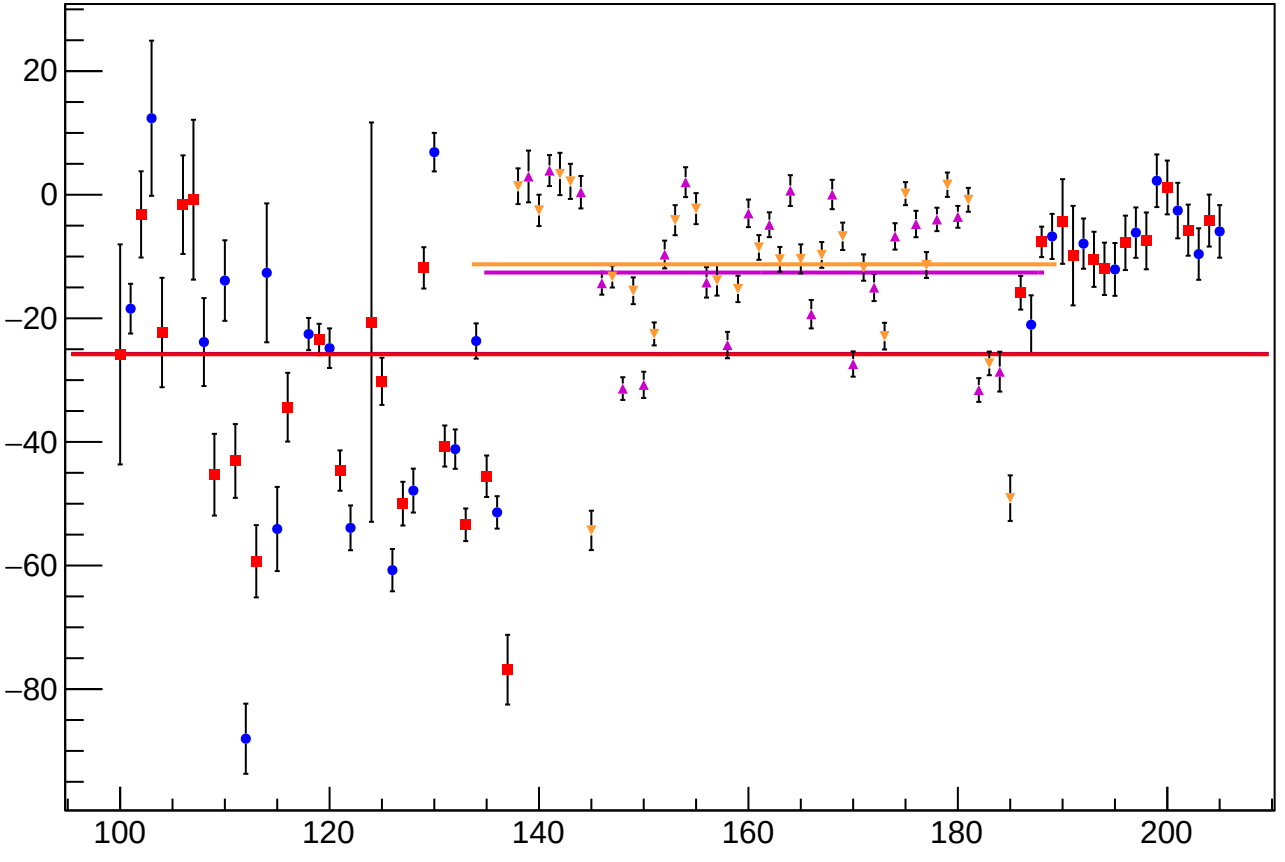
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 45.533+/-0.390 χ^2/NDF: 10893.5/49

All: 45.642+/-0.268 χ^2/NDF: 22015.0/102

- sign 45.738+/-0.368 χ^2/NDF: 11121.4/52

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -25.762+/-0.781 χ^2/NDF: 776.6/24

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.812+/-0.762 χ^2/NDF: 646.6/29

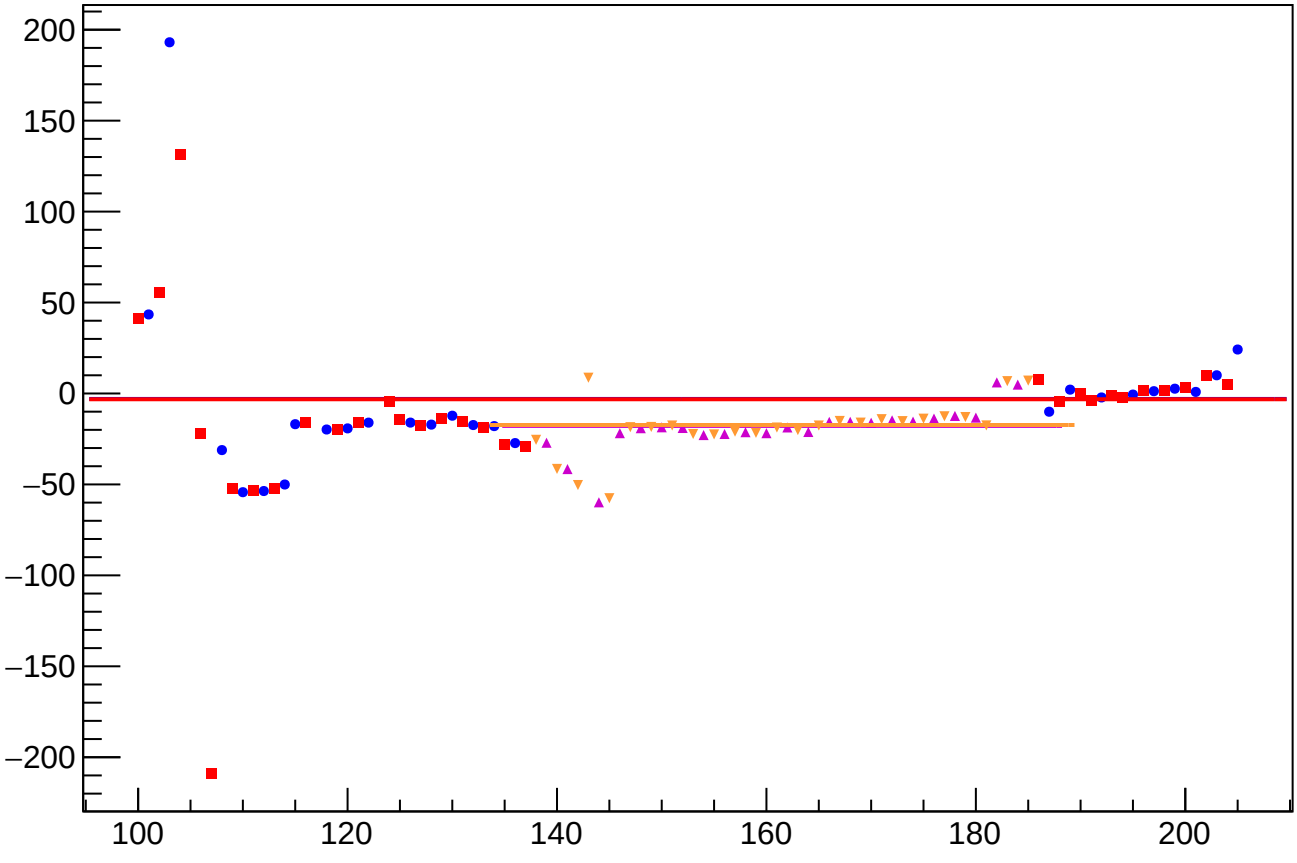
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -14.811+/-0.387 χ^2/NDF: 1680.1/49

All: -15.448+/-0.276 χ^2/NDF: 3224.9/102

\- sign -16.106+/-0.393 χ^2/NDF: 1539.3/52

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -3.006+/-0.037 χ^2/NDF: 569160.2/24

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.176+/-0.036 χ^2/NDF: 497490.4/29

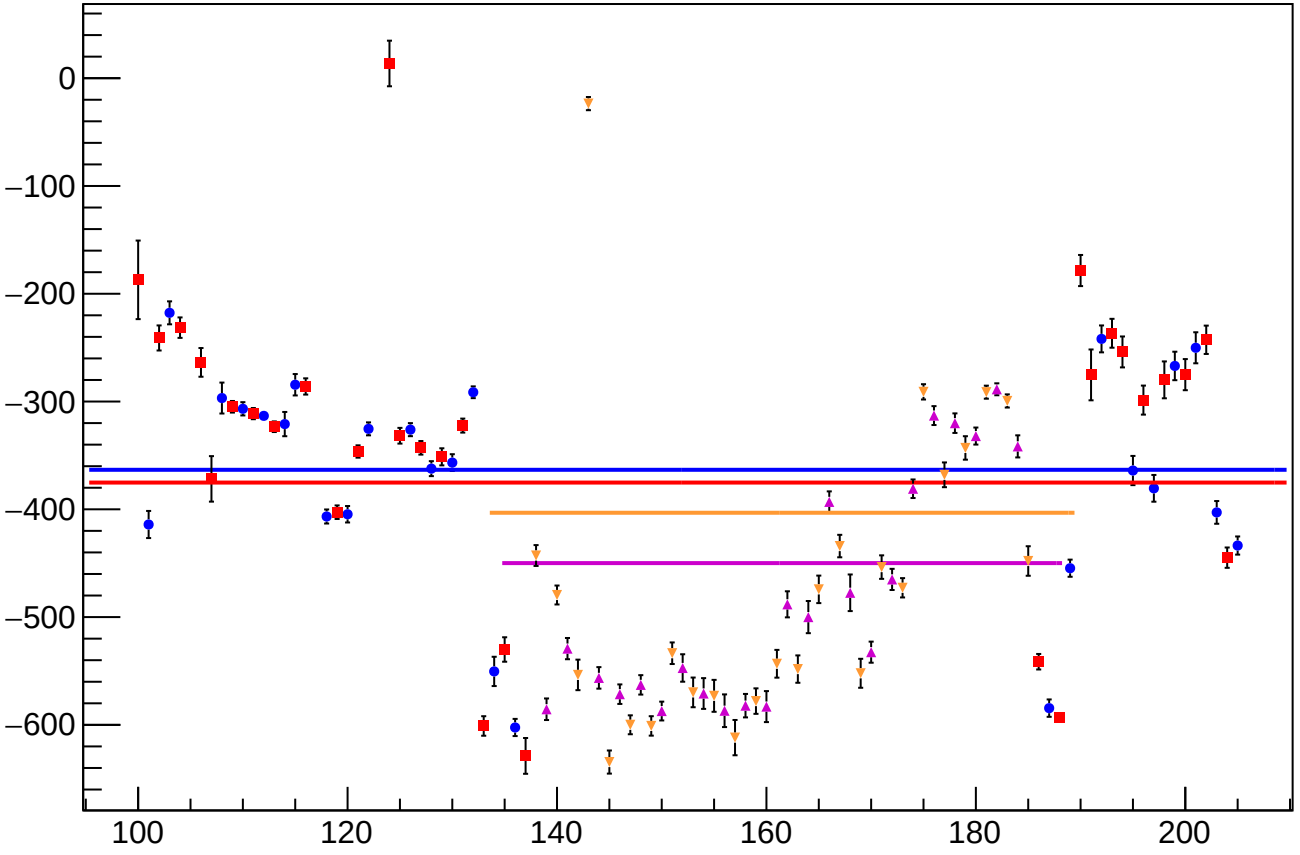
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -14.108+/-0.018 χ^2/NDF: 1032721.2/49

All: -14.197+/-0.012 χ^2/NDF: 1923767.6/102

- sign -14.287+/-0.018 χ^2/NDF: 890995.0/52

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -363.338+/-1.615 χ^2/NDF: 3103.1/24

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -375.187+/-1.500 χ^2/NDF: 6347.5/29

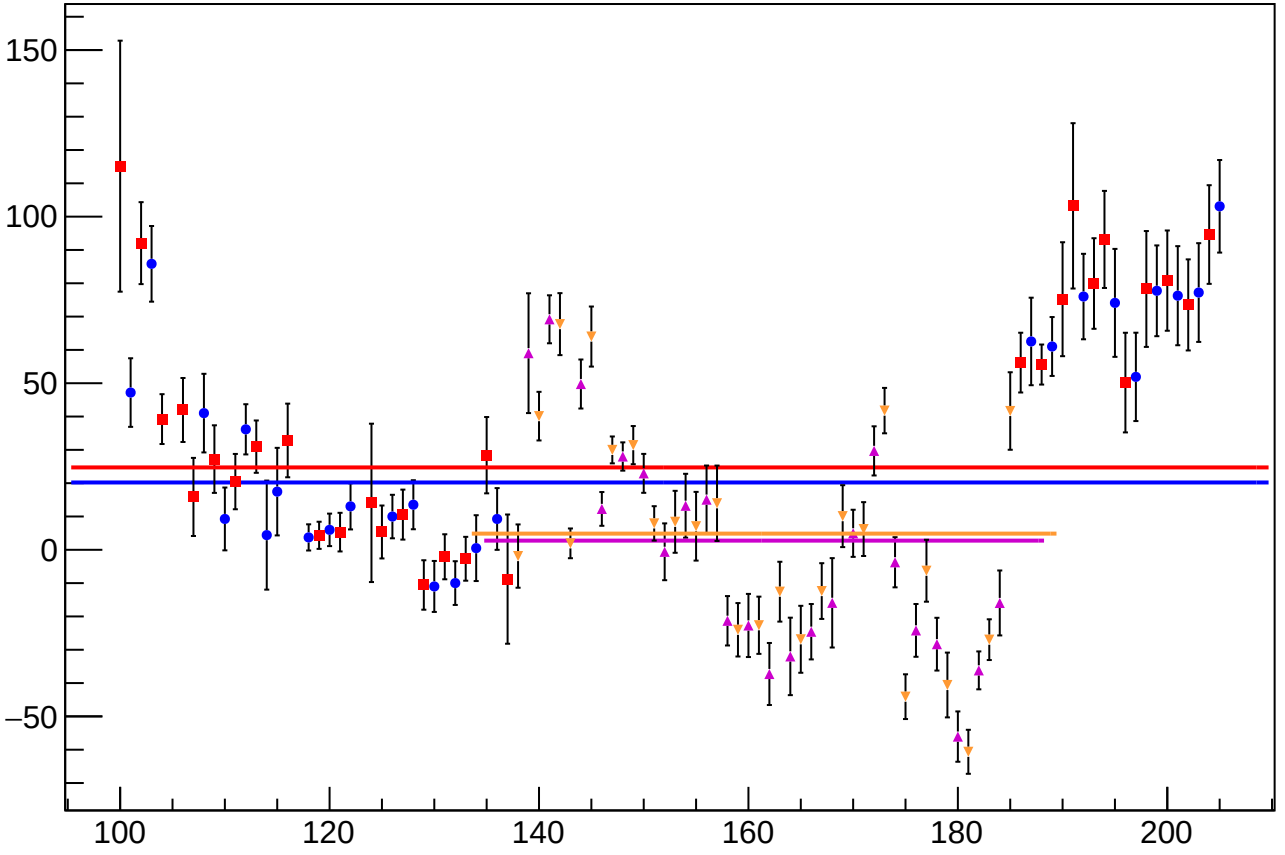
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -379.773+/-1.238 χ^2/NDF: 11104.6/49

All: -390.819+/-0.865 χ^2/NDF: 21695.7/102

- sign -401.361+/-1.209 χ^2/NDF: 10435.5/52

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 20.209+/-1.694 χ^2/NDF: 273.7/24

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 24.727+/-1.648 χ^2/NDF: 306.8/29

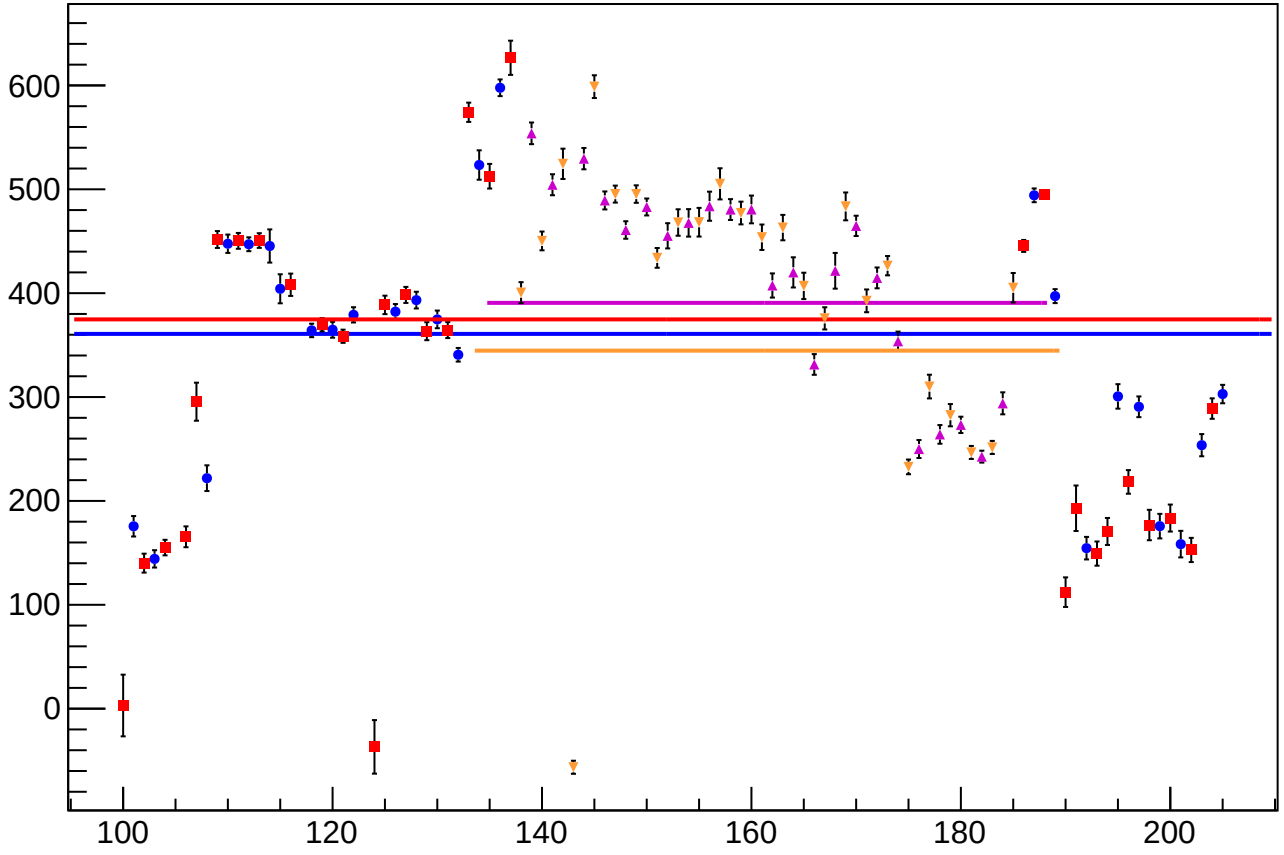
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 11.332+/-1.100 χ^2/NDF: 778.3/49

All: 12.191+/-0.789 χ^2/NDF: 1580.1/102

- sign 13.099+/-1.131 χ^2/NDF: 800.5/52

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 360.801+/-1.737 χ^2/NDF: 4007.6/24

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 374.761+/-1.565 χ^2/NDF: 6980.7/29

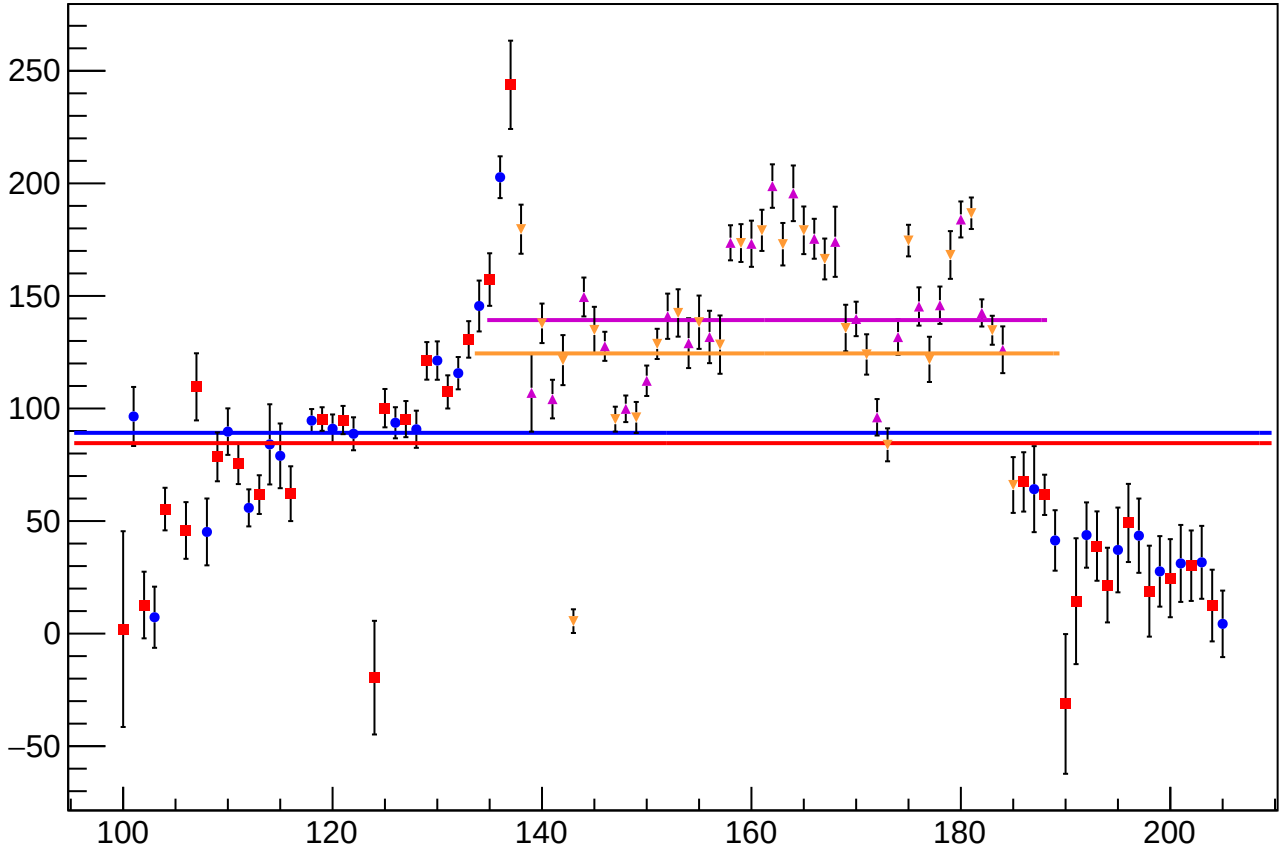
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 353.563+/-1.289 χ^2/NDF: 11324.5/49

All: 367.664+/-0.893 χ^2/NDF: 21246.7/102

- sign 380.694+/-1.239 χ^2/NDF: 9692.1/52

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 89.187+/-1.988 χ^2/NDF: 378.5/24

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 84.611+/-1.945 χ^2/NDF: 366.7/29

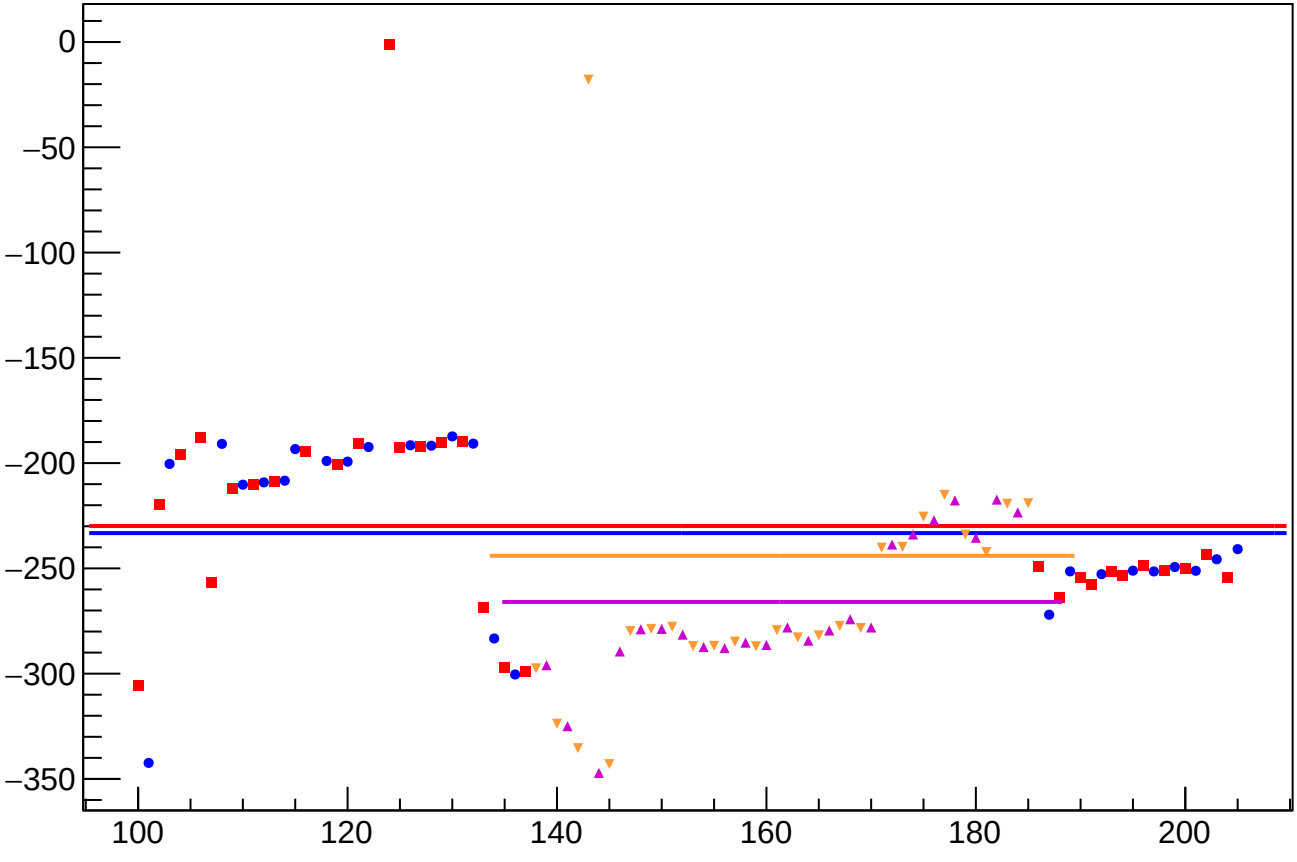
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 109.957+/-1.275 χ^2/NDF: 1501.4/49

All: 112.183+/-0.913 χ^2/NDF: 2567.3/102

- sign 114.528+/-1.309 χ^2/NDF: 1059.6/52

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -233.245+/-0.111 χ^2/NDF: 135697.4/24

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.850+/-0.105 χ^2/NDF: 111194.3/29

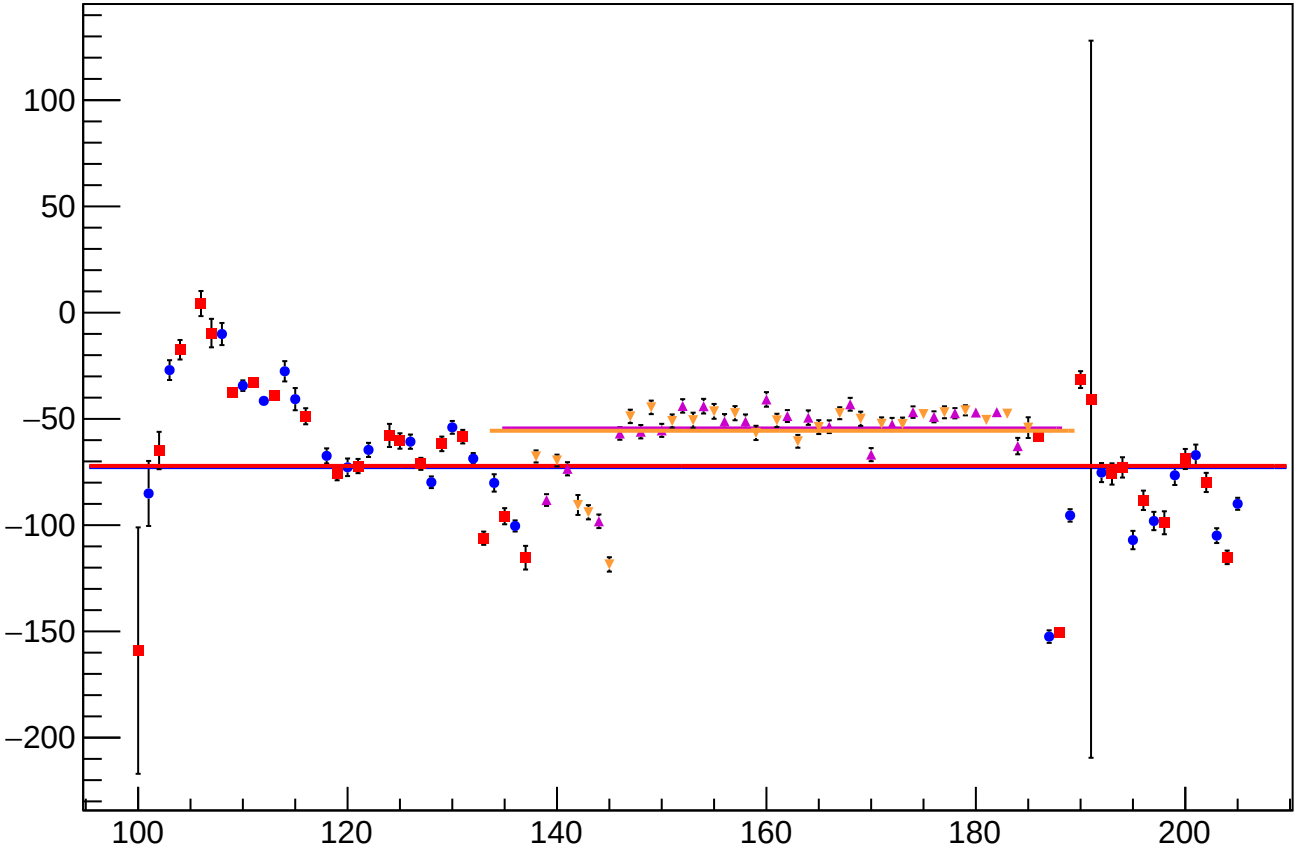
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.497+/-0.063 χ^2/NDF: 1140006.7/49

All: -246.518+/-0.045 χ^2/NDF: 1513418.1/10

- sign -252.640+/-0.064 χ^2/NDF: 355244.5/52

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -72.690+/-0.684 χ^2/NDF: 2009.4/24

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -72.116+/-0.611 χ^2/NDF: 3952.7/29

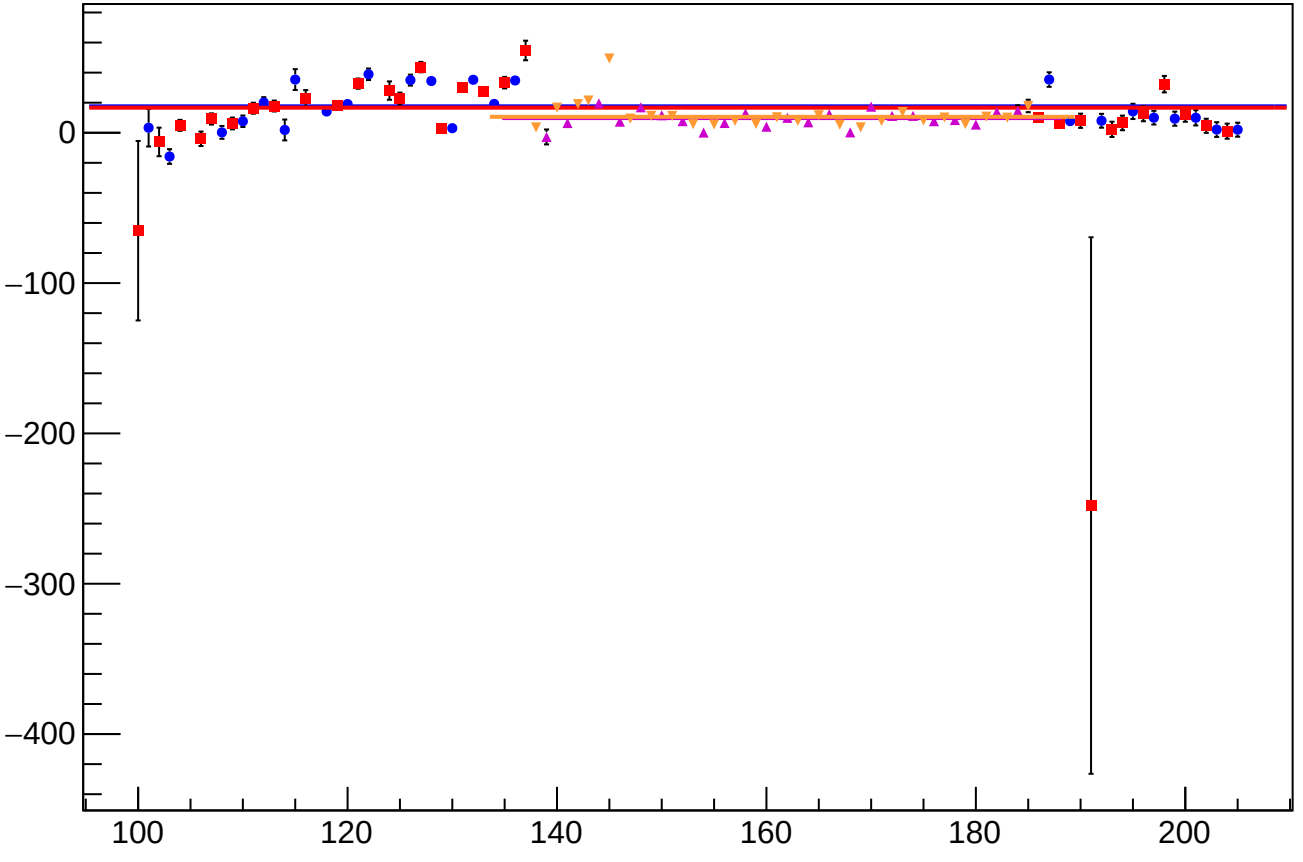
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -62.878+/-0.447 χ^2/NDF: 3054.8/49

All: -63.062+/-0.310 χ^2/NDF: 7926.9/102

- sign -63.233+/-0.430 χ^2/NDF: 4871.7/52

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.581+/-0.751 χ^2/NDF: 311.2/24

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.683+/-0.689 χ^2/NDF: 319.1/29

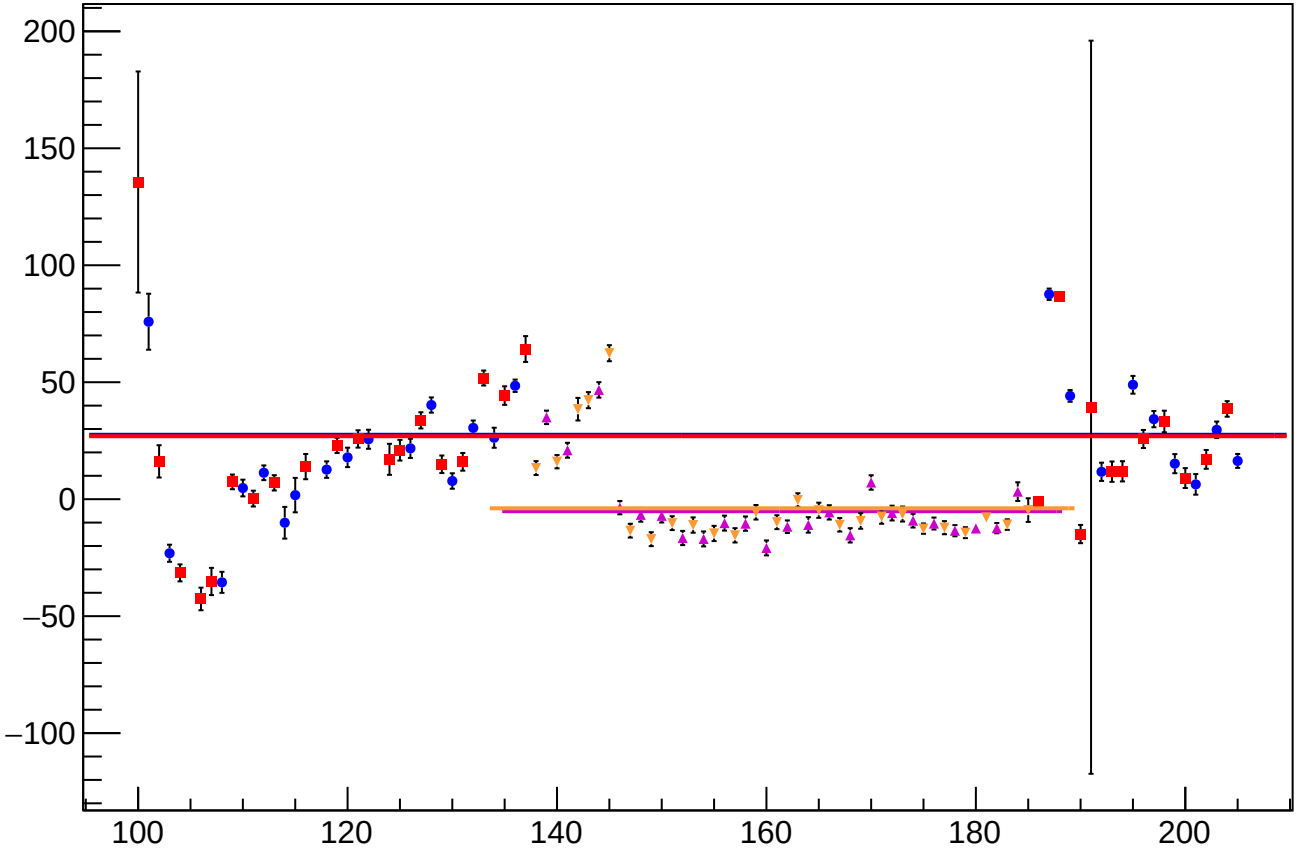
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.442+/-0.386 χ^2/NDF: 629.9/49

All: 12.193+/-0.273 χ^2/NDF: 1140.0/102

\- sign 11.943+/-0.386 χ^2/NDF: 509.3/52

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 27.537+/-0.717 χ^2/NDF: 1408.5/24

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.921+/-0.615 χ^2/NDF: 3317.3/29

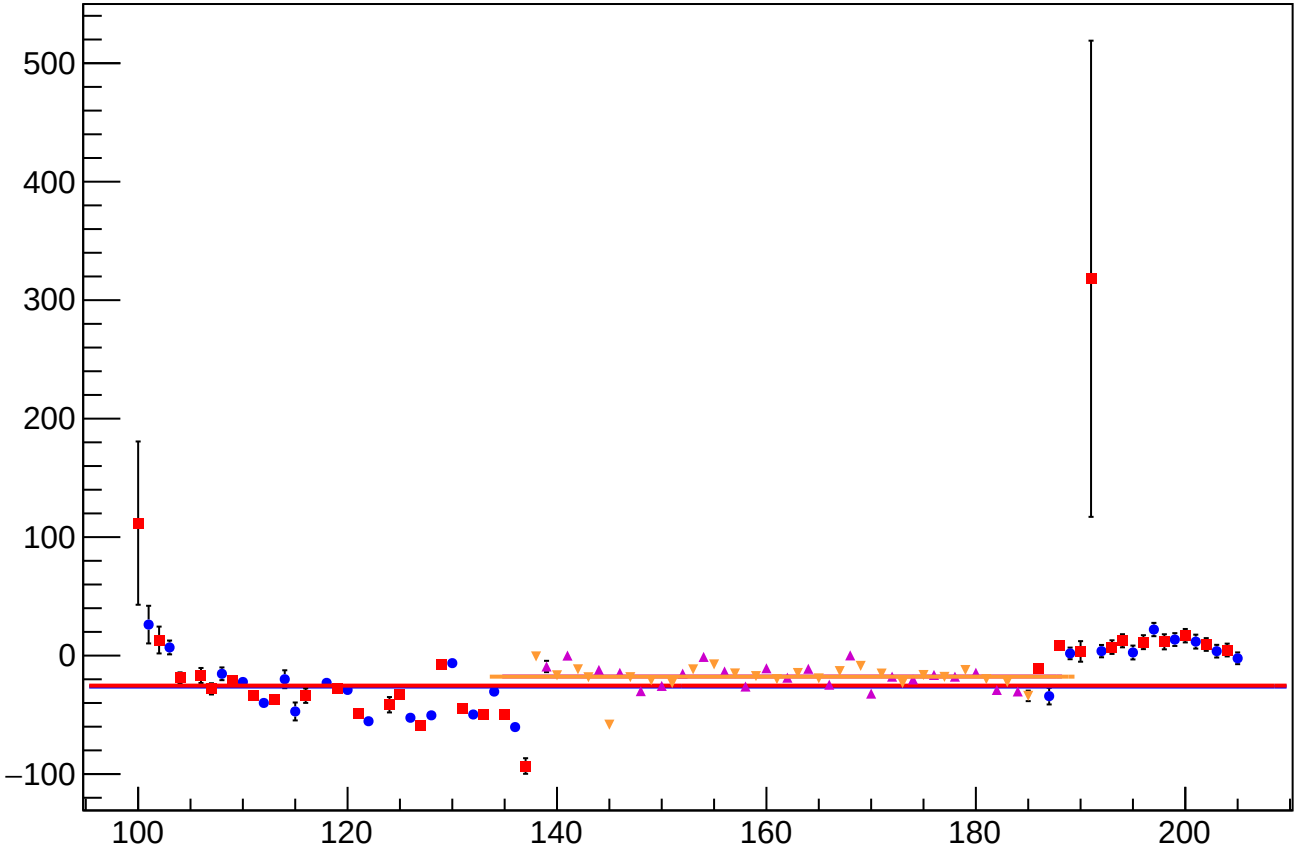
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.661+/-0.453 χ^2/NDF: 3411.6/49

All: 9.633+/-0.312 χ^2/NDF: 8780.3/102

- sign 10.505+/-0.429 χ^2/NDF: 5360.0/52

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -26.146+/-0.871 χ^2/NDF: 738.7/24

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -25.345+/-0.825 χ^2/NDF: 849.2/29

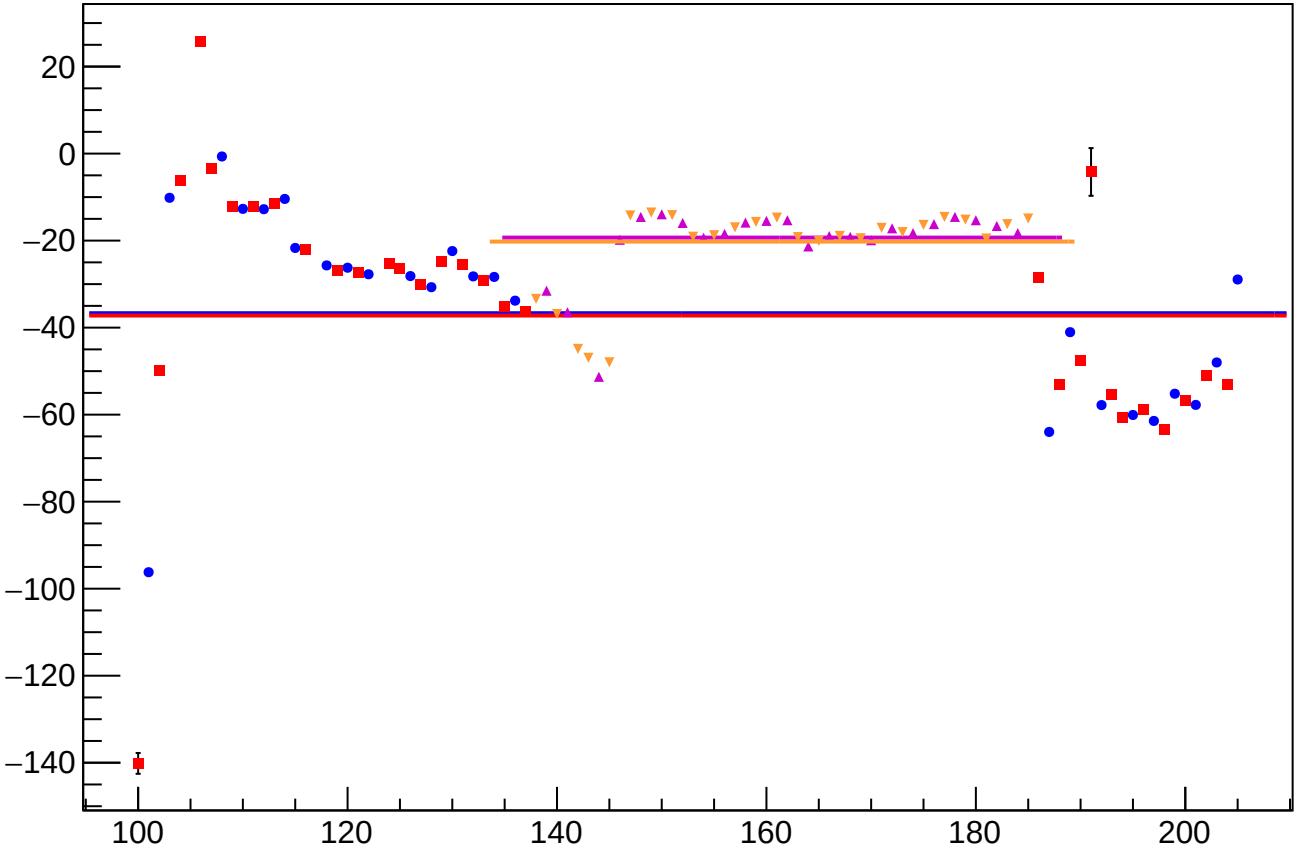
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -19.905+/-0.439 χ^2/NDF: 1059.1/49

All: -19.887+/-0.312 χ^2/NDF: 2256.2/102

- sign -19.868+/-0.444 χ^2/NDF: 1197.1/52

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.690+/-0.043 χ^2/NDF: 198415.2/24

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.216+/-0.042 χ^2/NDF: 275071.4/29

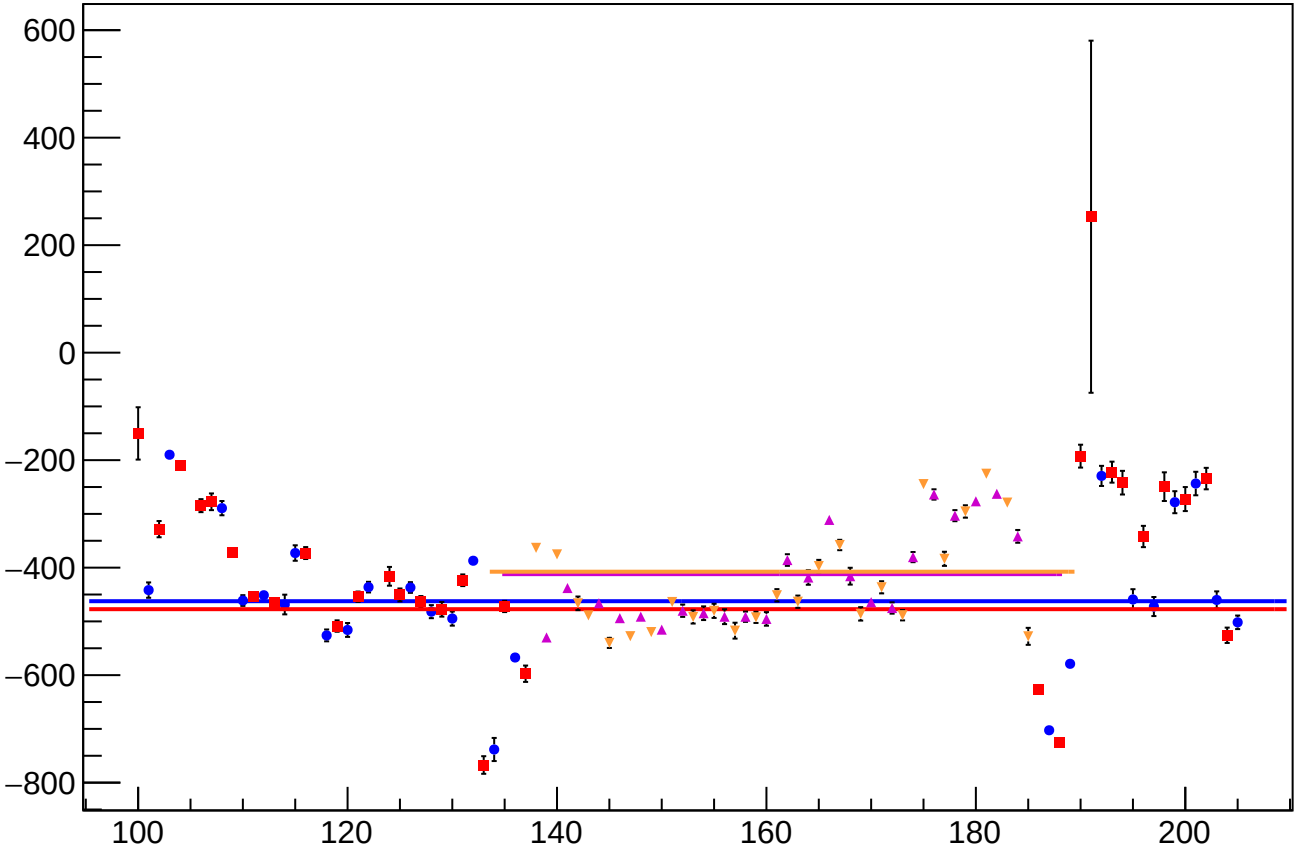
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.871+/-0.020 χ^2/NDF: 460613.0/49

All: -23.715+/-0.014 χ^2/NDF: 969349.5/102

- sign -23.556+/-0.020 χ^2/NDF: 508615.0/52

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -462.432+/-2.322 χ^2/NDF: 2816.2/24

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -477.269+/-2.058 χ^2/NDF: 6089.1/29

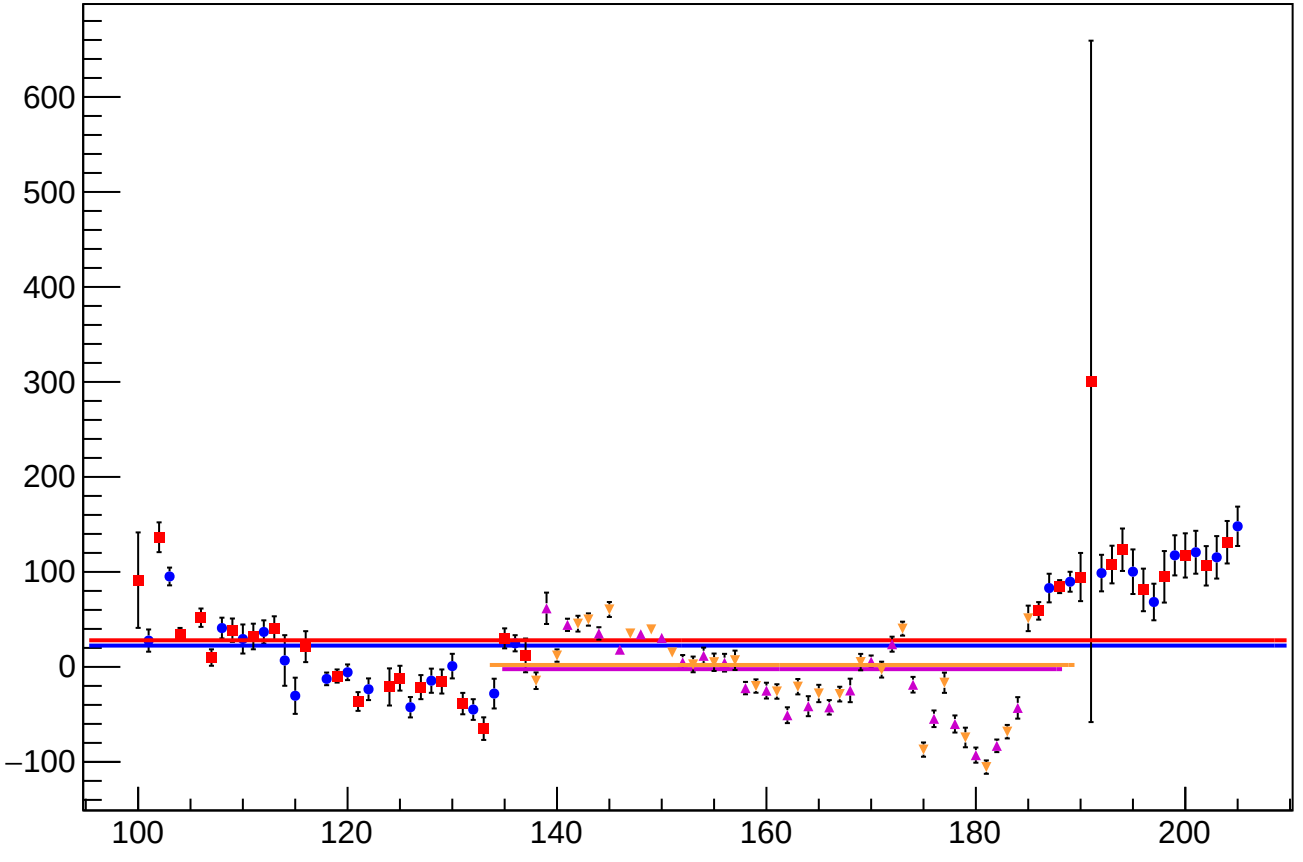
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.270+/-1.494 χ^2/NDF: 6016.3/49

All: -437.344+/-1.036 χ^2/NDF: 14844.6/102

- sign -443.895+/-1.437 χ^2/NDF: 8785.1/52

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 22.442+/-2.472 χ^2/NDF: 408.0/24

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 28.016+/-2.225 χ^2/NDF: 458.2/29

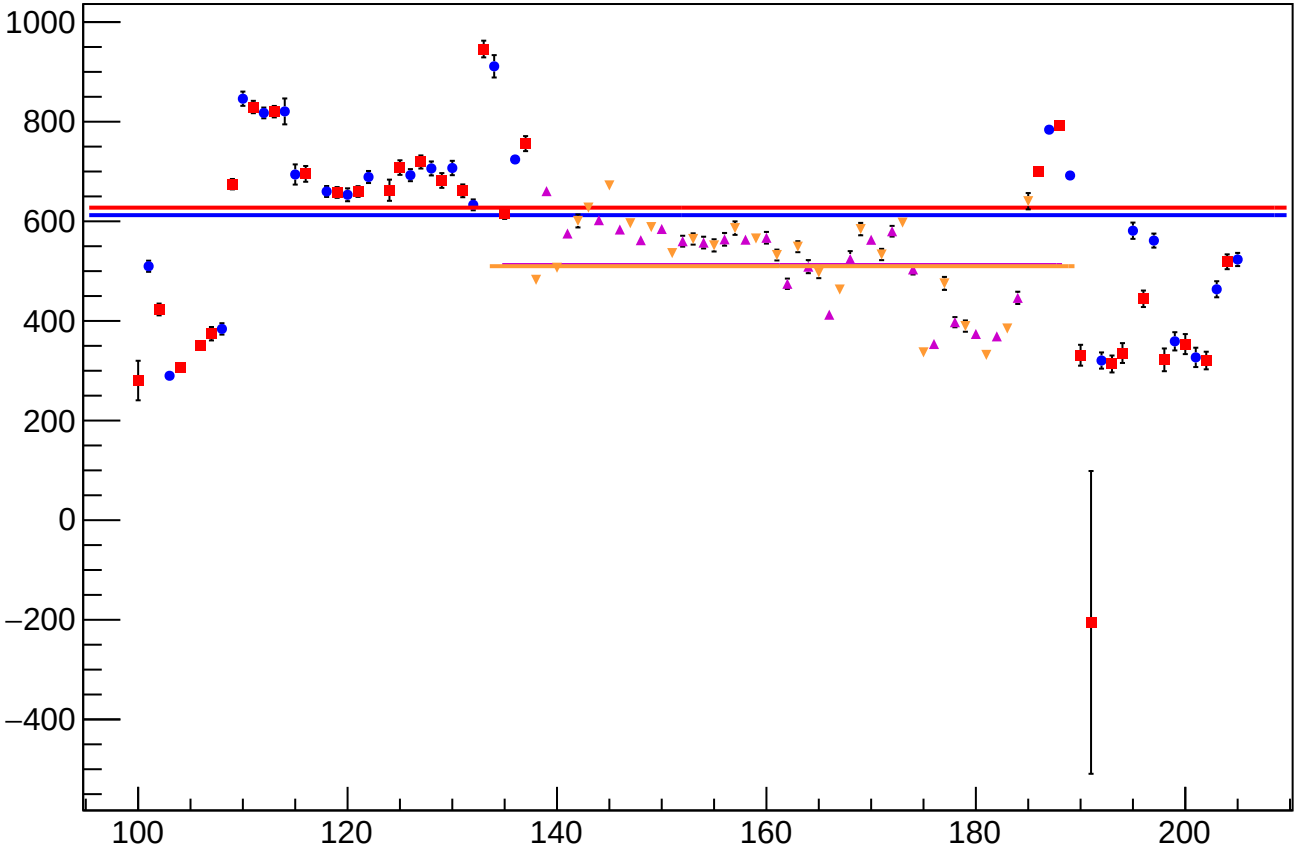
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

\+ sign 7.129+/-1.235 χ^2/NDF: 1369.9/49

All: 7.051+/-0.873 χ^2/NDF: 2690.5/102

\- sign 6.972+/-1.234 χ^2/NDF: 1320.7/52

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 612.377+/-2.350 χ^2/NDF: 5379.7/24

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 627.455+/-2.010 χ^2/NDF: 8621.3/29

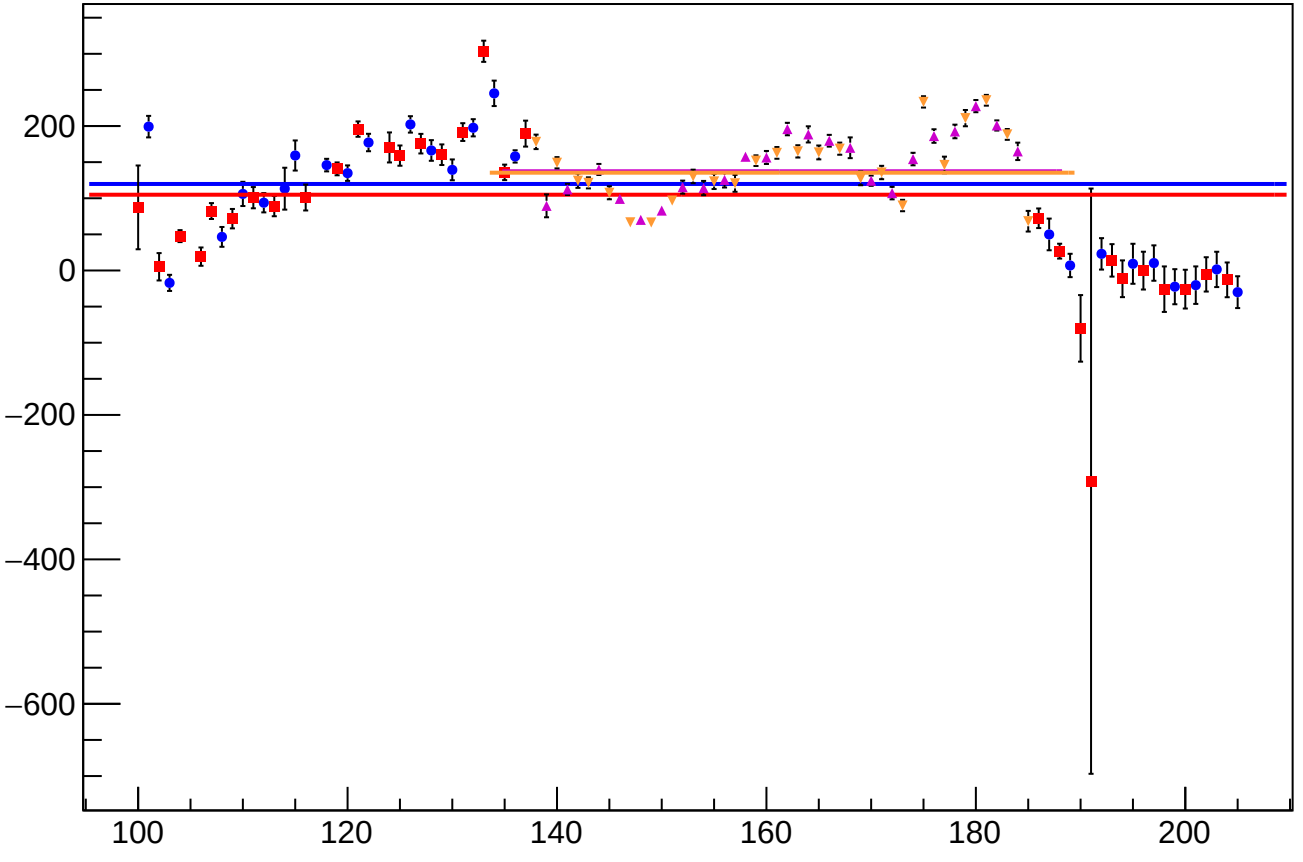
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 551.325+/-1.494 χ^2/NDF: 9174.9/49

All: 560.713+/-1.026 χ^2/NDF: 21621.7/102

\- sign 569.098+/-1.412 χ^2/NDF: 12372.1/52

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 119.786+/-2.904 χ^2/NDF: 675.3/24

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 104.904+/-2.683 χ^2/NDF: 773.2/29

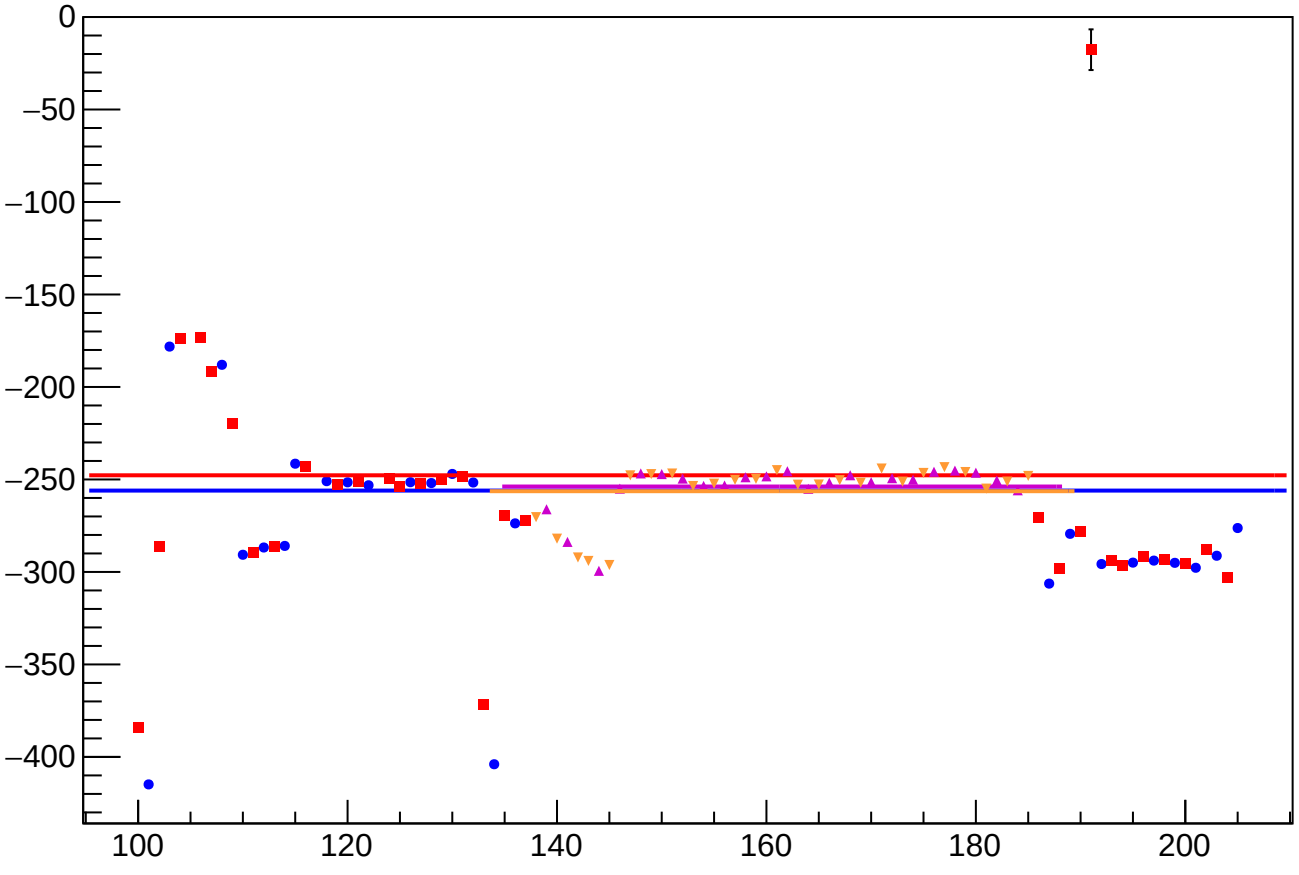
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 131.598+/-1.434 χ^2/NDF: 1620.3/49

All: 129.830+/-1.015 χ^2/NDF: 3207.0/102

- sign 128.054+/-1.437 χ^2/NDF: 1583.6/52

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -256.014+/-0.140 χ^2/NDF: 197834.9/24

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.749+/-0.133 χ^2/NDF: 148394.7/29

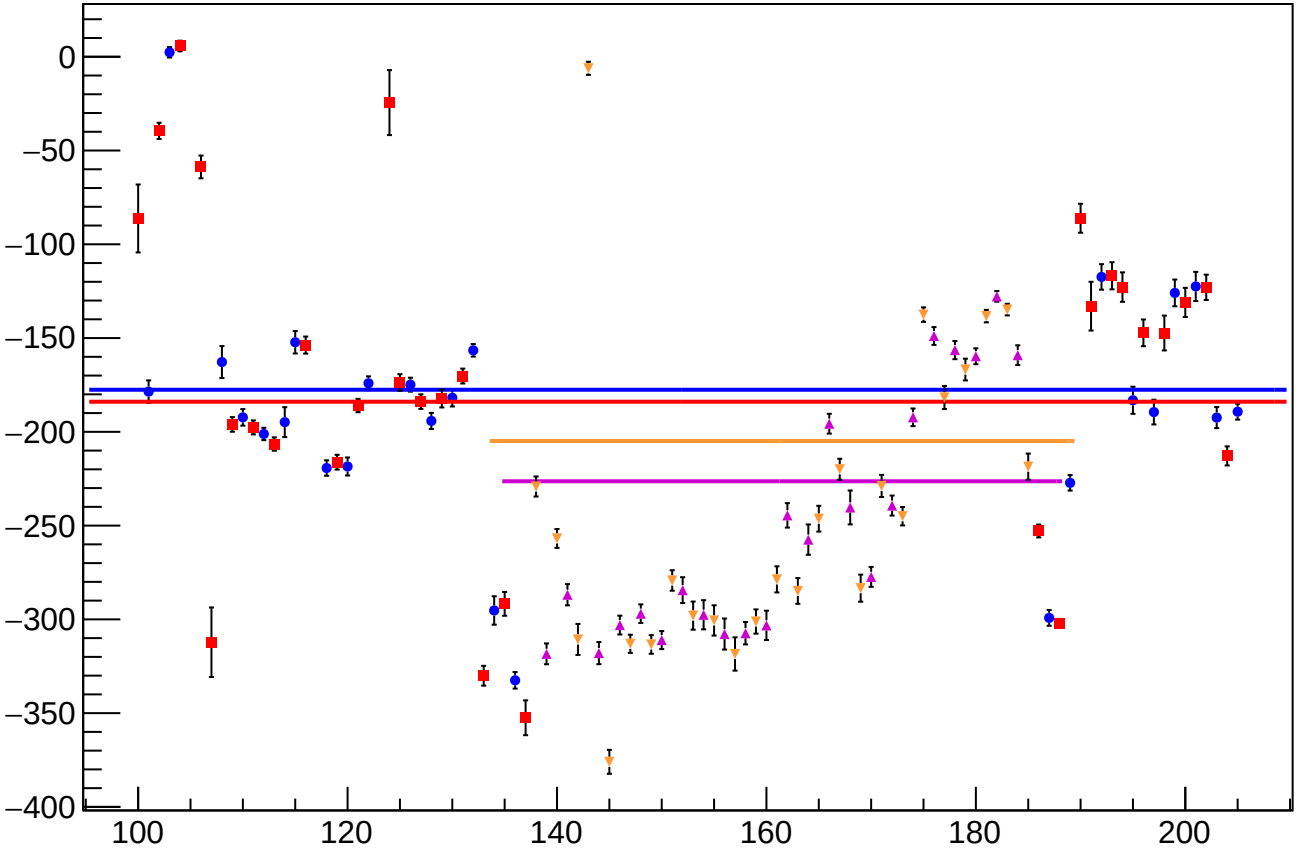
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.267+/-0.067 χ^2/NDF: 237352.6/49

All: -254.263+/-0.048 χ^2/NDF: 413128.7/102

- sign -252.274+/-0.067 χ^2/NDF: 174017.3/52

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -177.563+/-0.926 χ^2/NDF: 7155.9/24

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.943+/-0.855 χ^2/NDF: 11389.1/29

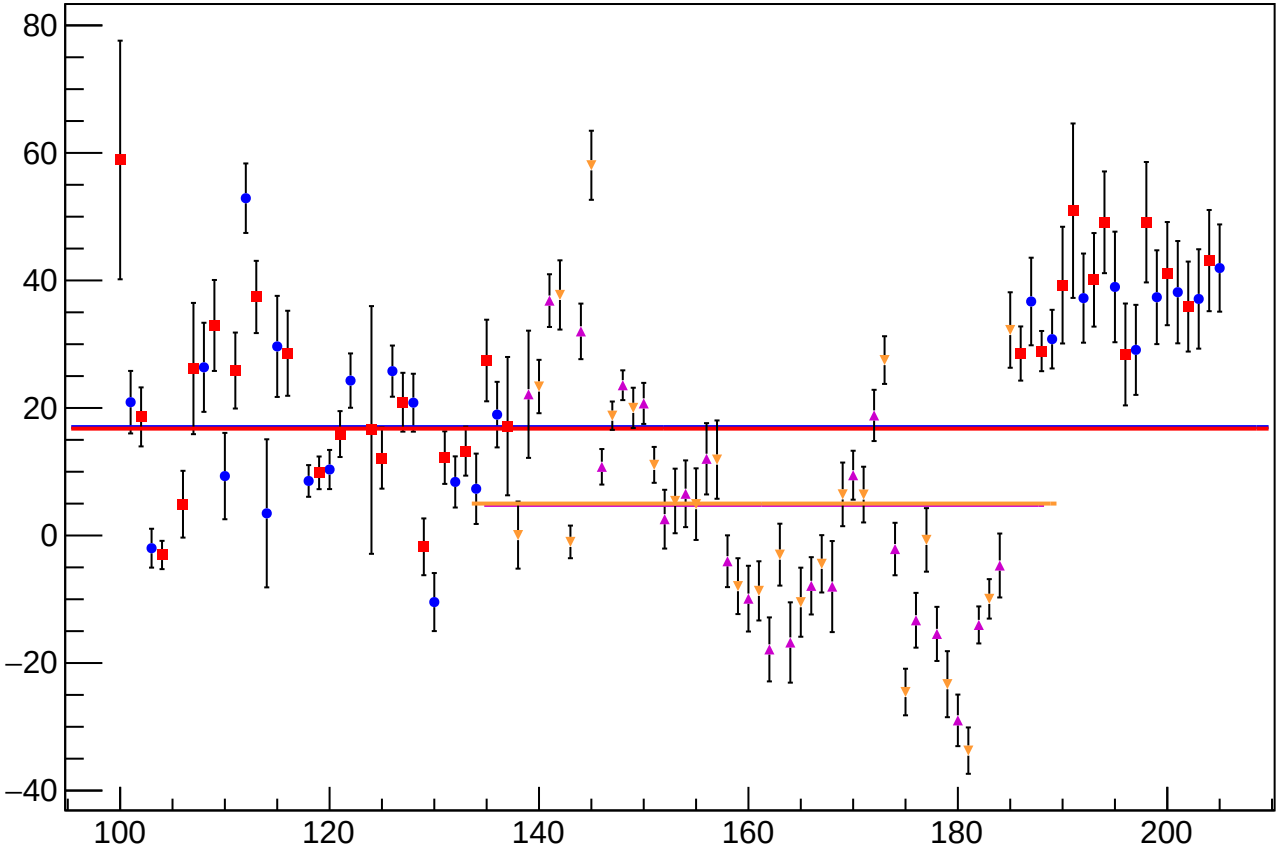
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -189.492+/-0.695 χ^2/NDF: 15362.4/49

All: -194.806+/-0.485 χ^2/NDF: 32006.1/102

- sign -199.838+/-0.676 χ^2/NDF: 16529.9/52

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 17.000+/-0.973 χ^2/NDF: 228.2/24

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.762+/-0.906 χ^2/NDF: 248.9/29

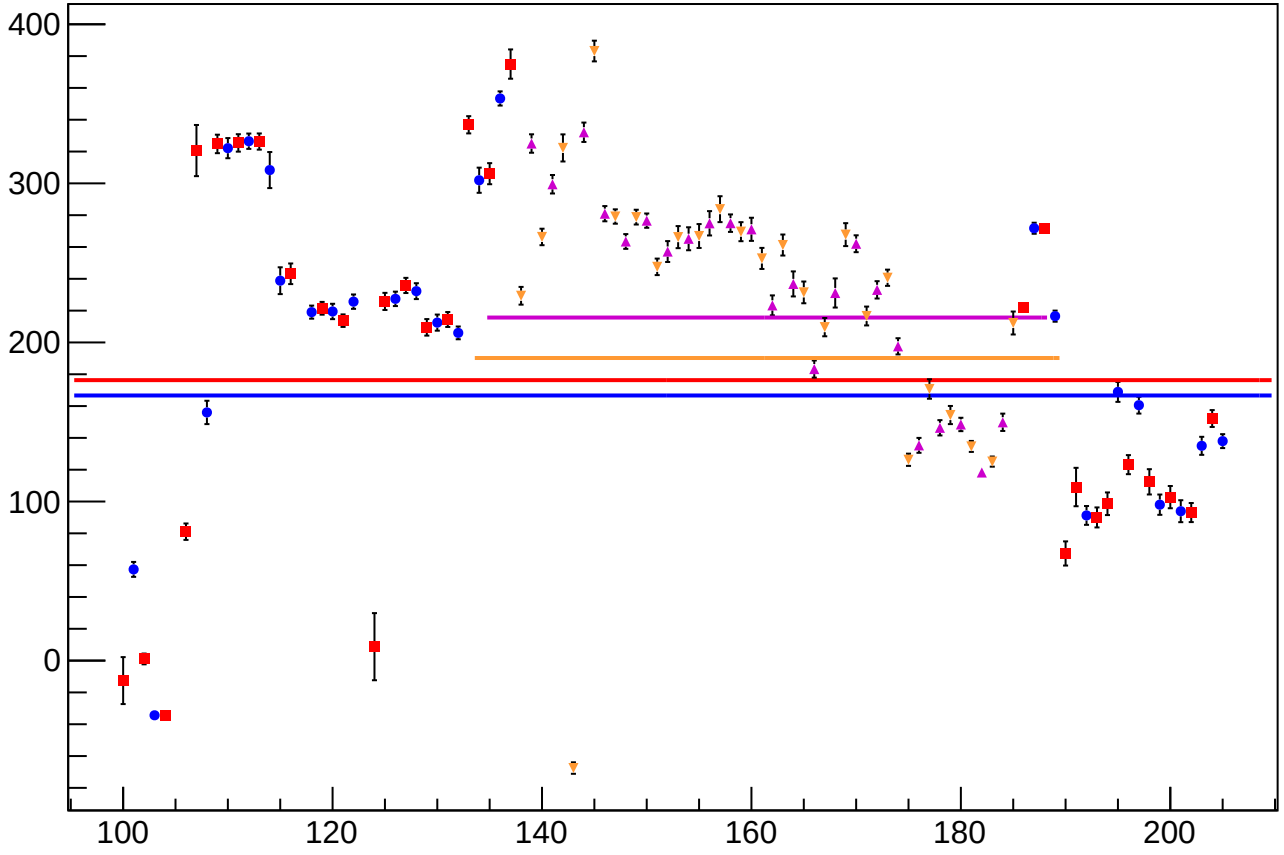
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.798+/-0.615 χ^2/NDF: 868.0/49

All: 10.084+/-0.436 χ^2/NDF: 1636.7/102

- sign 10.374+/-0.618 χ^2/NDF: 768.3/52

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.657+/-0.931 χ^2/NDF: 15567.7/24

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.303+/-0.831 χ^2/NDF: 20845.9/29

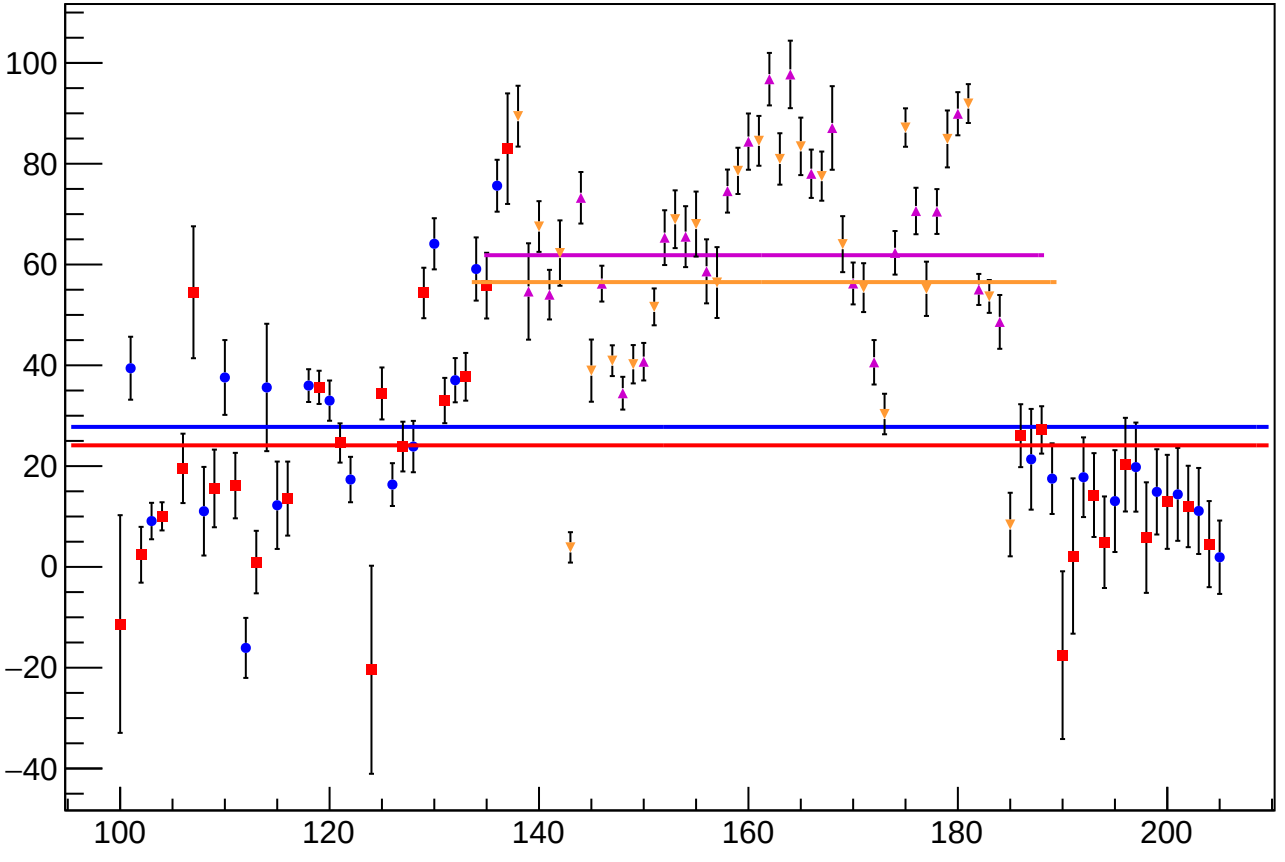
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 177.022+/-0.696 χ^2/NDF: 25233.7/49

All: 184.163+/-0.480 χ^2/NDF: 50982.1/102

- sign 190.630+/-0.663 χ^2/NDF: 25548.0/52

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 27.781+/-1.145 χ^2/NDF: 309.6/24

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

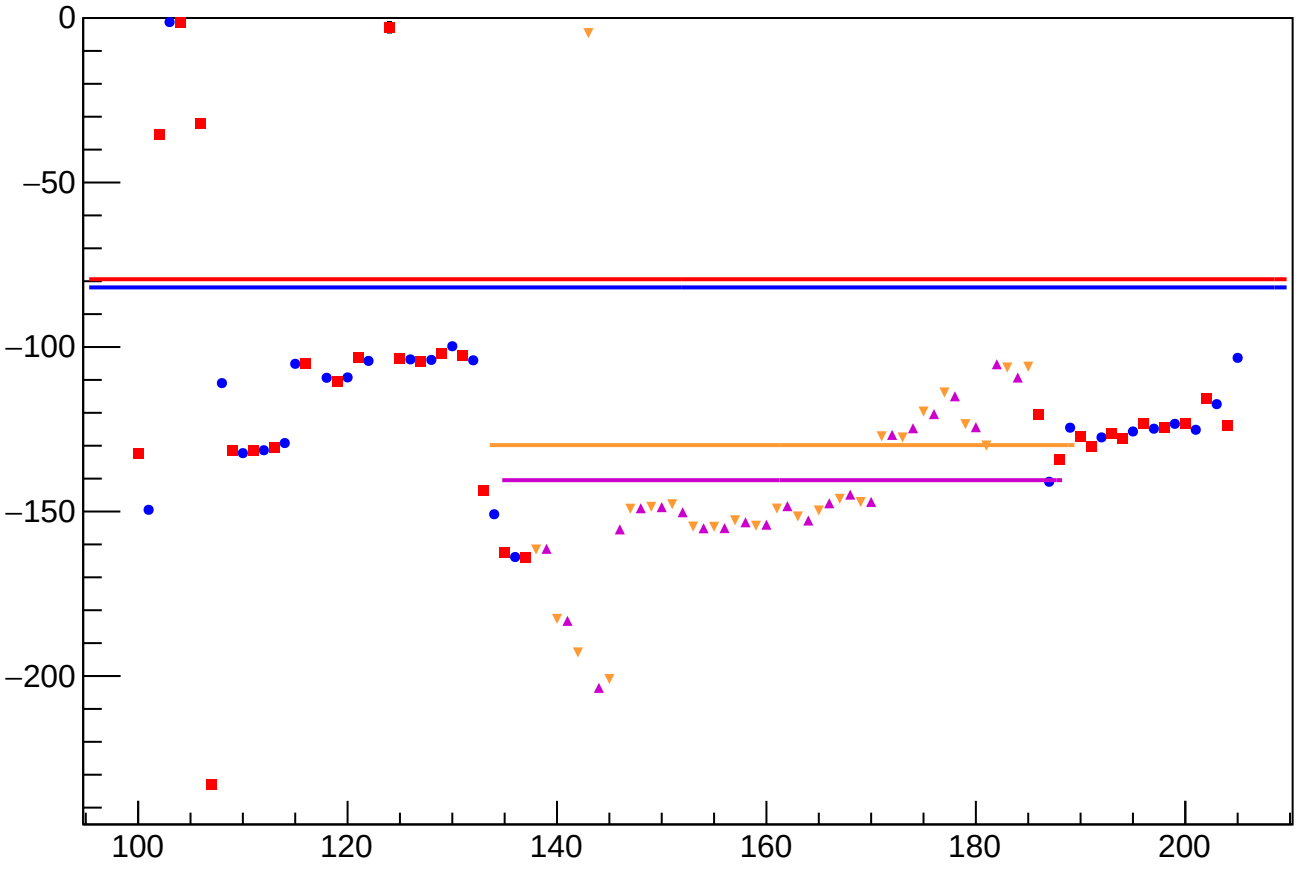
Right Out: 24.121+/-1.088 χ^2/NDF: 216.5/29

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 45.407+/-0.712 χ^2/NDF: 1494.7/49

All: 45.355+/-0.506 χ^2/NDF: 2707.4/102

- sign 45.302+/-0.720 χ^2/NDF: 1212.7/52



Right In: -81.881+/-0.054 χ^2/NDF: 1295209.0/24

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.397+/-0.051 χ^2/NDF: 1254212.4/29

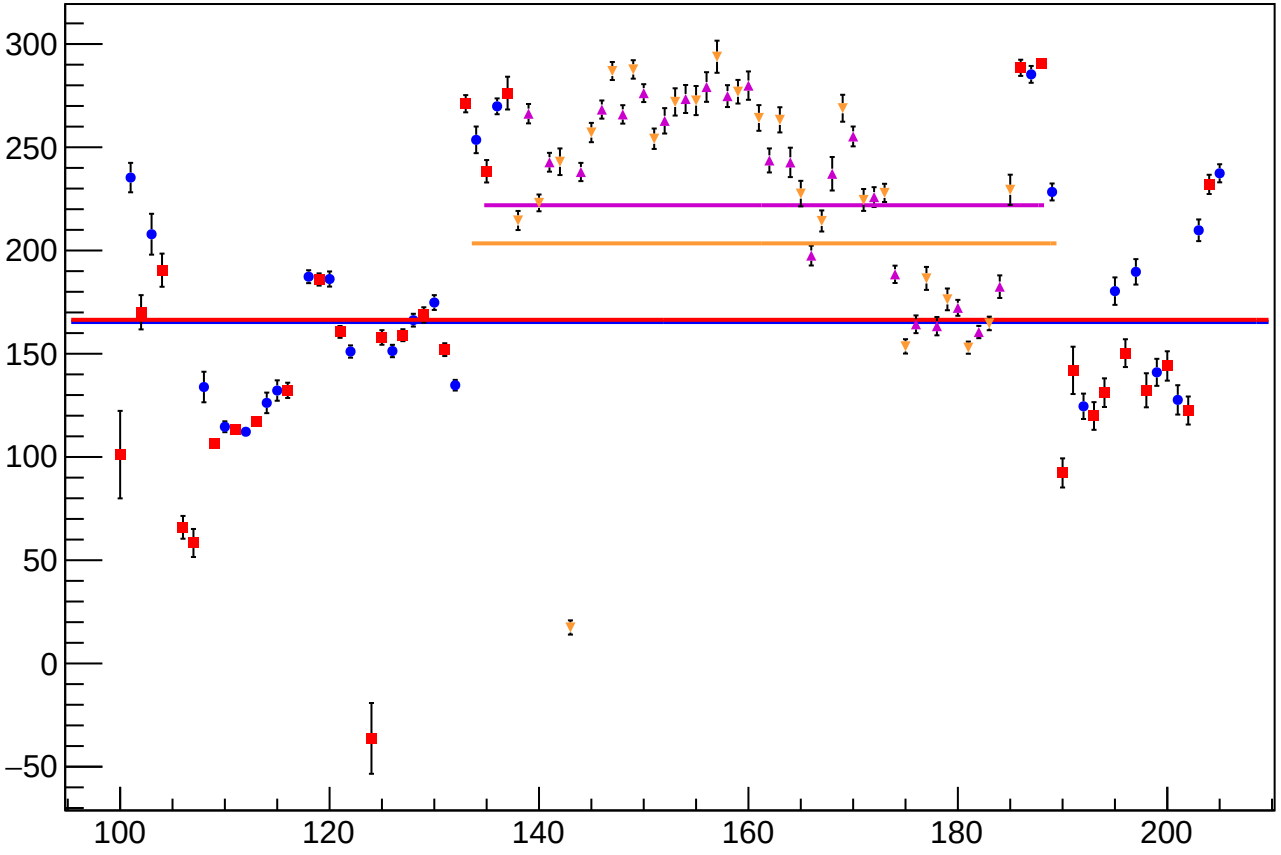
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.476+/-0.033 χ^2/NDF: 2814643.2/49

All: -113.119+/-0.023 χ^2/NDF: 5151786.1/10

- sign -114.773+/-0.033 χ^2/NDF: 2332205.5/52

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 165.355+/-0.778 χ^2/NDF: 3998.4/24

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 166.441+/-0.719 χ^2/NDF: 8294.9/29

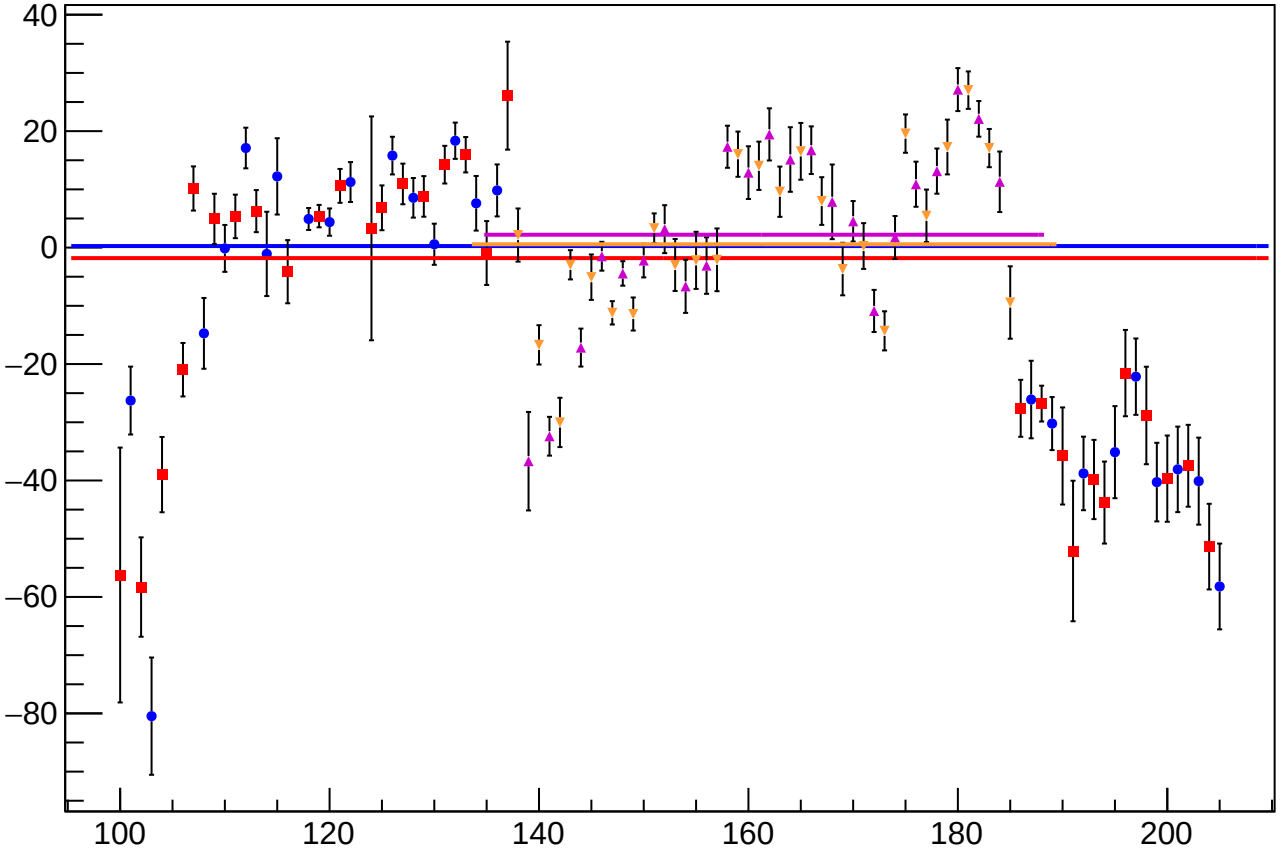
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 180.601+/-0.603 χ^2/NDF: 10448.6/49

All: 183.009+/-0.420 χ^2/NDF: 22782.9/102

- sign 185.270+/-0.584 χ^2/NDF: 12303.4/52

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 0.262+/-0.824 χ^2/NDF: 493.0/24

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -1.807+/-0.800 χ^2/NDF: 558.9/29

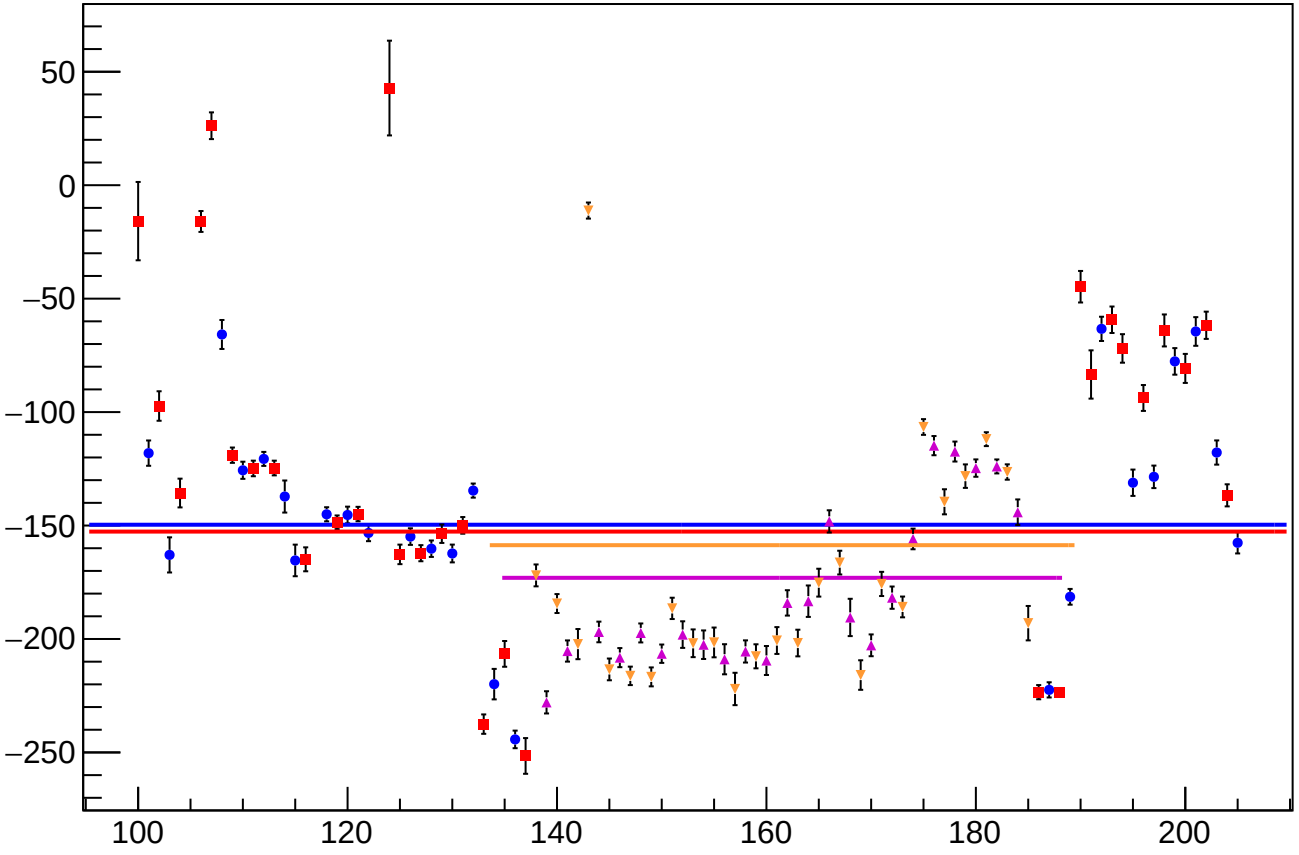
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 0.437+/-0.540 χ^2/NDF: 838.5/49

All: 0.371+/-0.386 χ^2/NDF: 1768.8/102

- sign 0.303+/-0.551 χ^2/NDF: 930.4/52

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.644+/-0.857 χ^2/NDF: 2315.5/24

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.665+/-0.774 χ^2/NDF: 6414.1/29

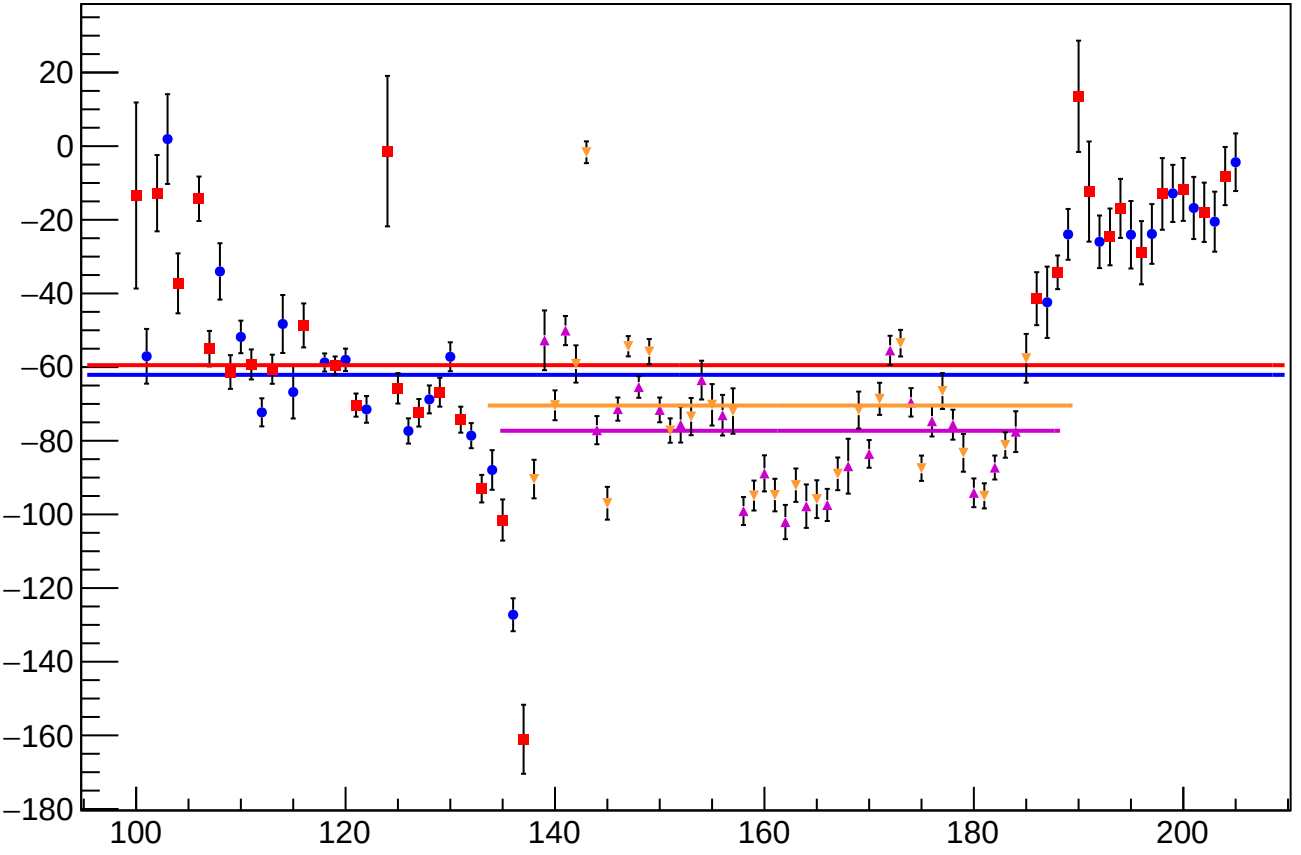
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -153.684+/-0.636 χ^2/NDF: 5856.9/49

All: -157.149+/-0.441 χ^2/NDF: 13988.9/102

- sign -160.347+/-0.611 χ^2/NDF: 8075.0/52

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -62.104+/-0.964 χ^2/NDF: 600.5/24

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -59.473+/-0.940 χ^2/NDF: 657.6/29

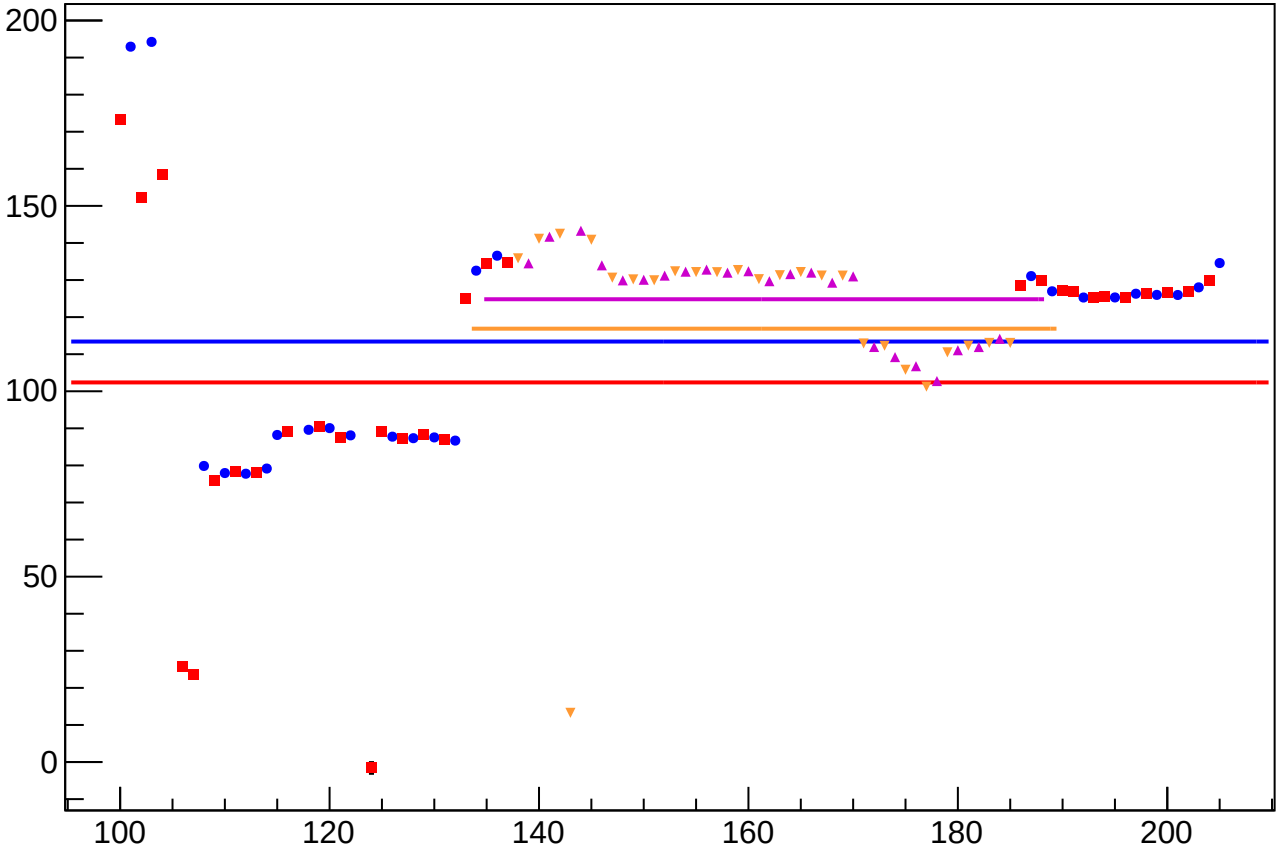
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -66.924+/-0.625 χ^2/NDF: 1545.4/49

All: -67.996+/-0.446 χ^2/NDF: 2657.6/102

- sign -69.109+/-0.637 χ^2/NDF: 1106.3/52

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 113.411+/-0.056 χ^2/NDF: 272910.0/24

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 102.384+/-0.052 χ^2/NDF: 508665.5/29

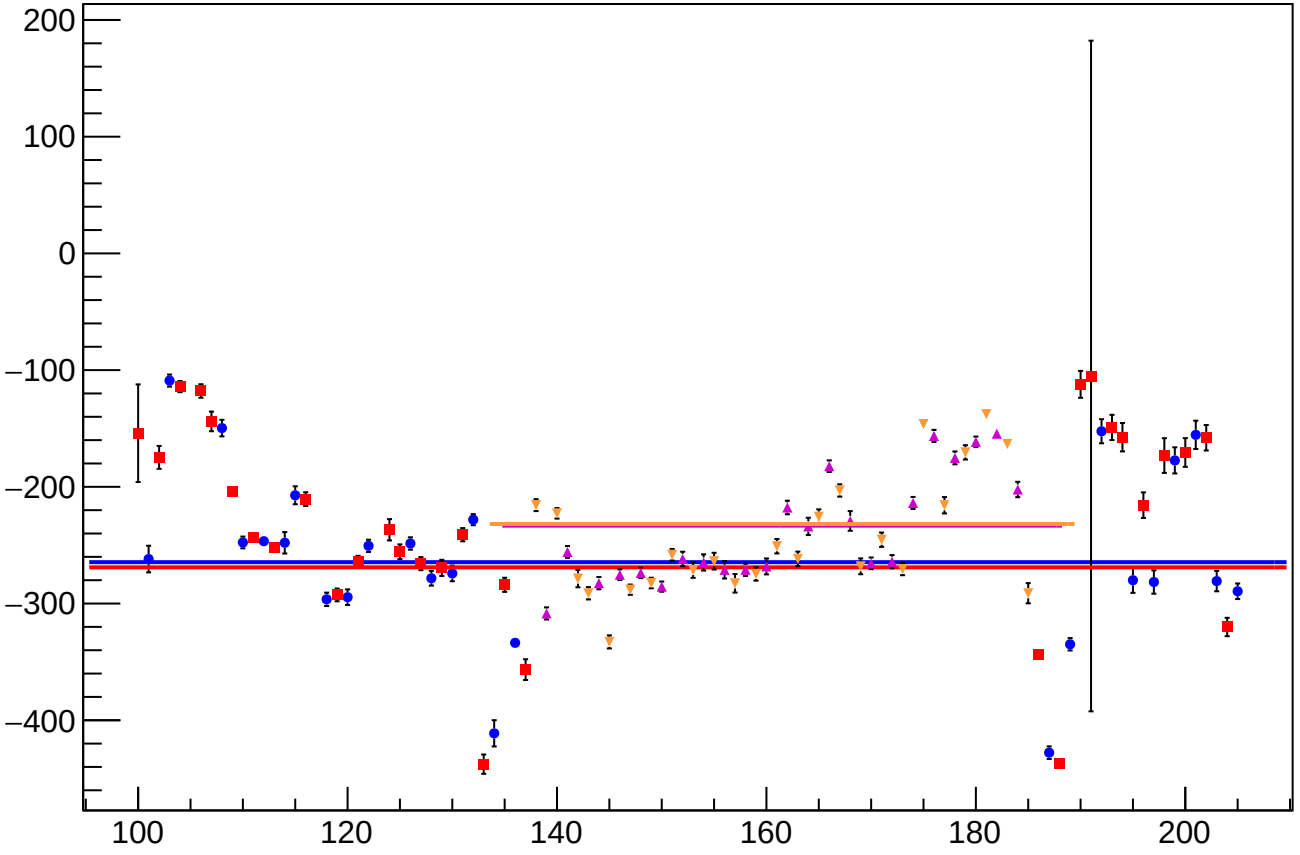
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.792+/-0.032 χ^2/NDF: 898624.6/49

All: 116.213+/-0.022 χ^2/NDF: 1614559.9/102

- sign 116.628+/-0.031 χ^2/NDF: 715581.2/52

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.561+/-1.259 χ^2/NDF: 3194.4/24

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -268.975+/-1.111 χ^2/NDF: 7461.3/29

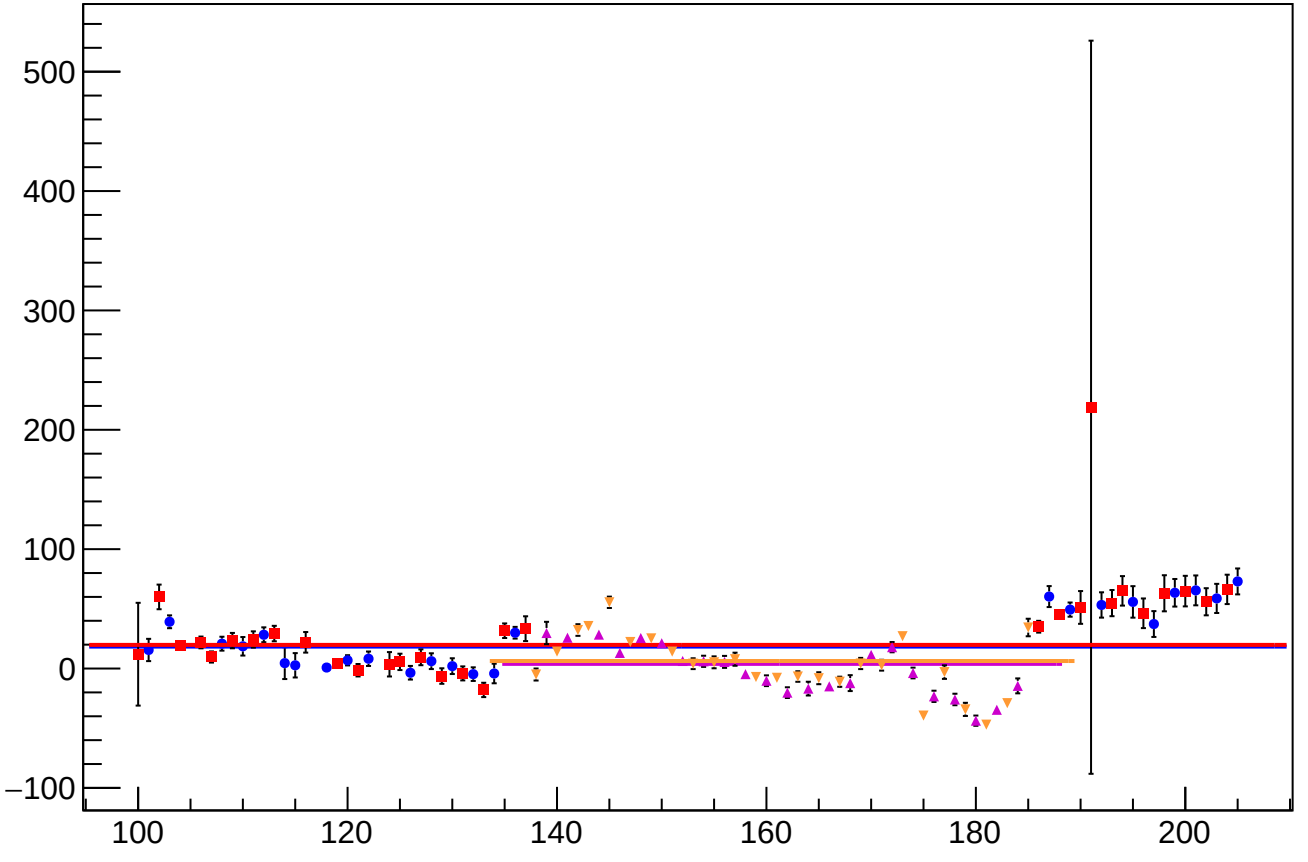
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.722+/-0.820 χ^2/NDF: 6260.0/49

All: -248.511+/-0.567 χ^2/NDF: 16329.0/102

- sign -251.065+/-0.784 χ^2/NDF: 10046.7/52

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 18.387+/-1.341 χ^2/NDF: 248.2/24

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.806+/-1.204 χ^2/NDF: 275.4/29

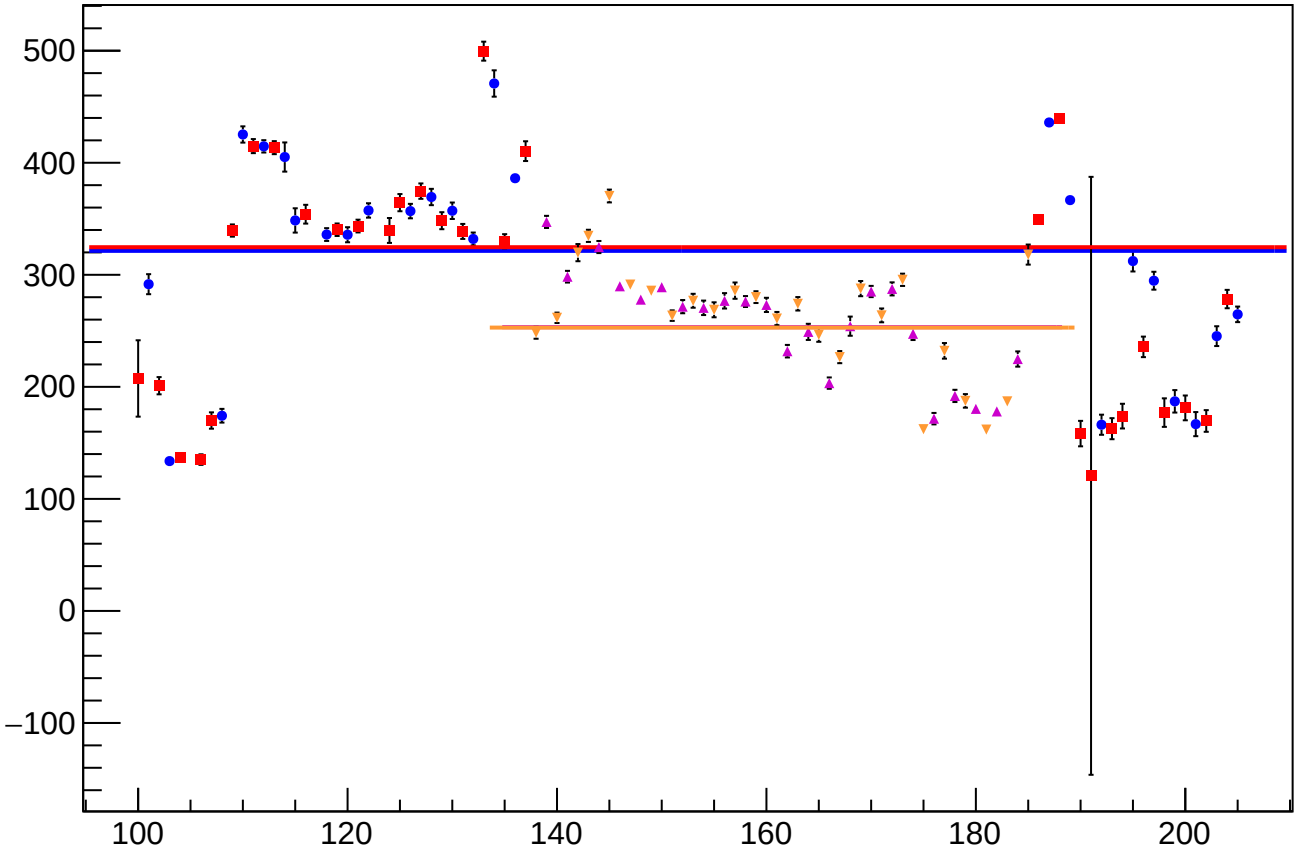
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 9.399+/-0.680 χ^2/NDF: 1180.1/49

All: 9.163+/-0.480 χ^2/NDF: 2225.3/102

- sign 8.928+/-0.677 χ^2/NDF: 1044.9/52

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 321.368+/-1.301 χ^2/NDF: 5401.3/24

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 324.631+/-1.106 χ^2/NDF: 9778.0/29

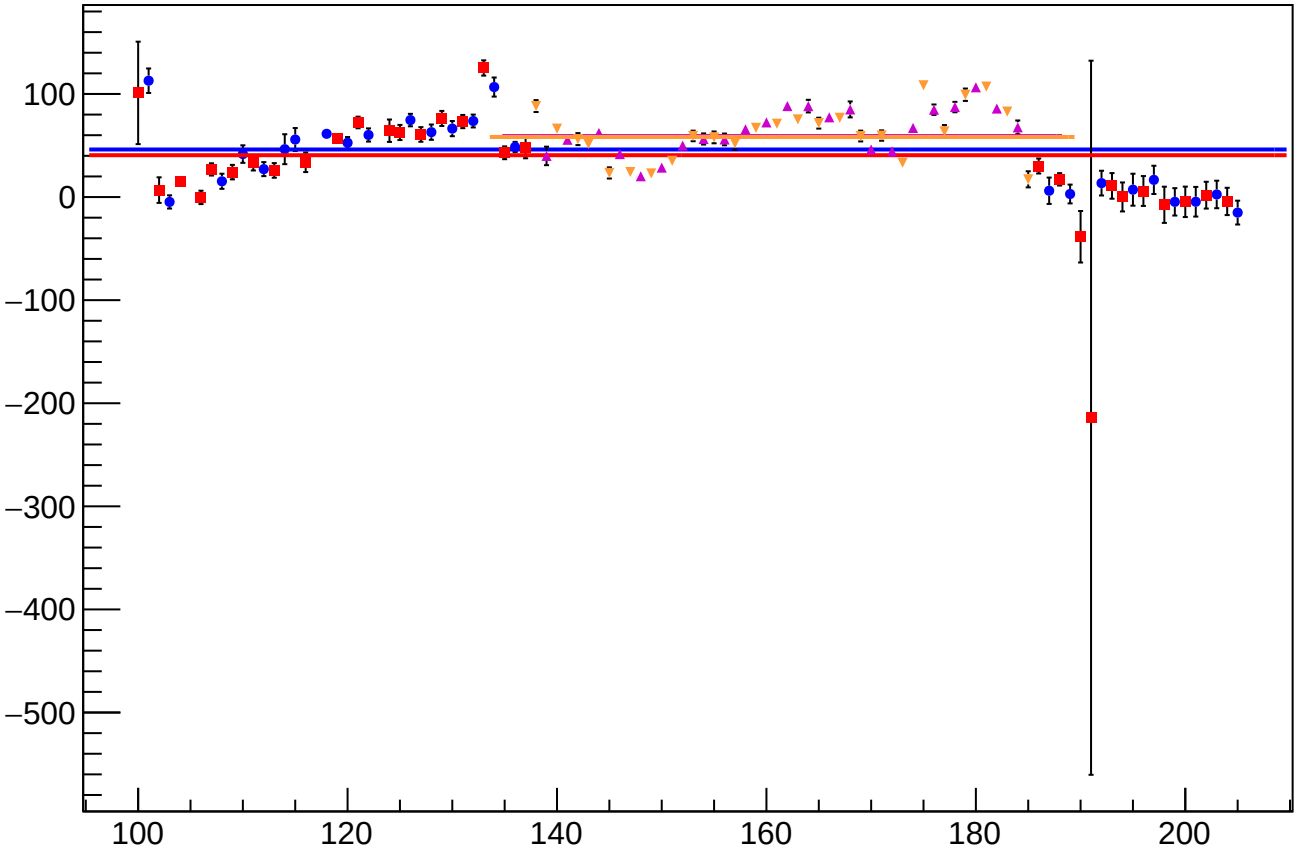
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 280.528+/-0.827 χ^2/NDF: 9632.3/49

All: 284.767+/-0.566 χ^2/NDF: 23625.5/102

\- sign 288.519+/-0.778 χ^2/NDF: 13943.7/52

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 46.145+/-1.572 χ^2/NDF: 352.3/24

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 40.603+/-1.447 χ^2/NDF: 425.0/29

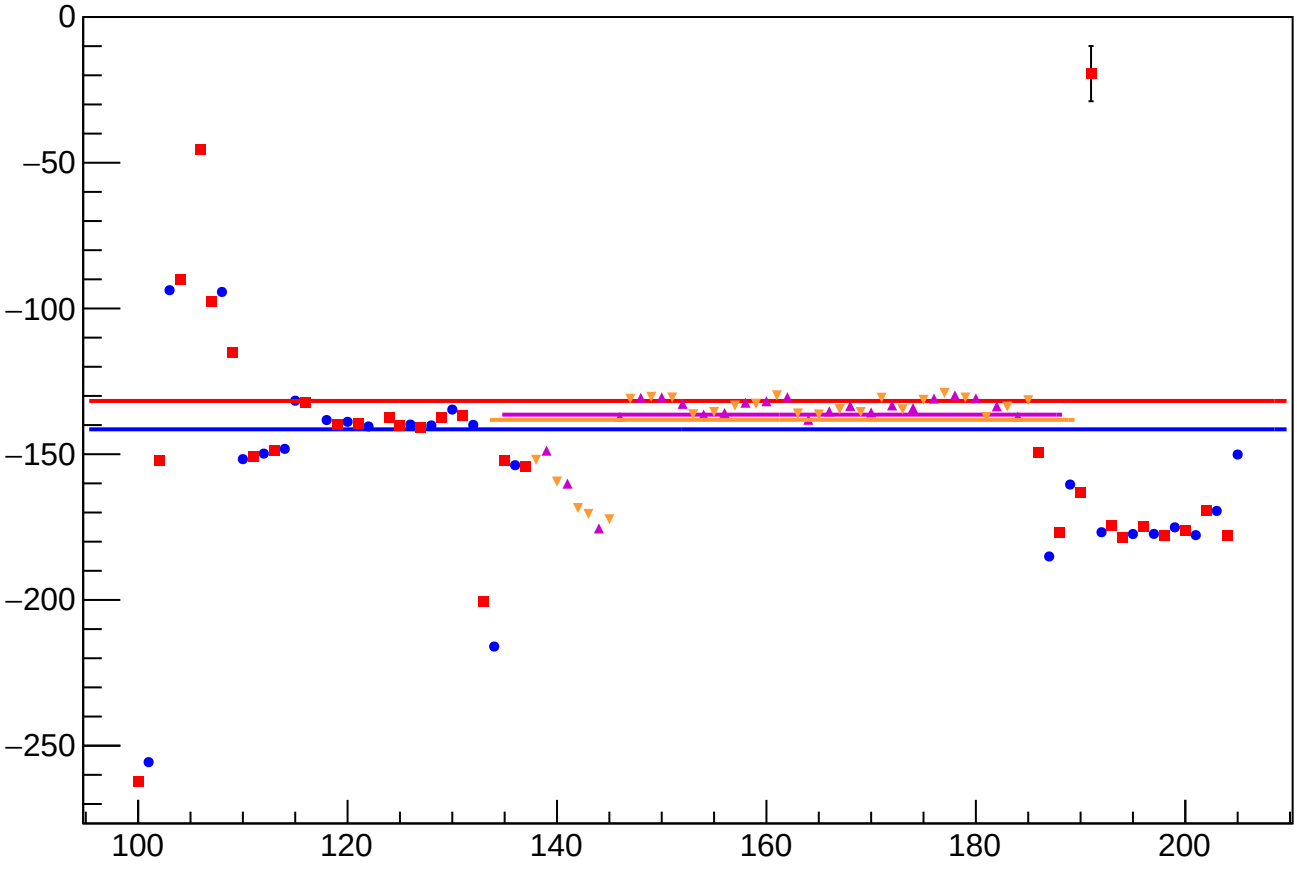
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 55.246+/-0.788 χ^2/NDF: 1247.3/49

All: 54.451+/-0.557 χ^2/NDF: 2422.5/102

- sign 53.657+/-0.787 χ^2/NDF: 1173.1/52

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.459+/-0.078 χ^2/NDF: 234468.0/24

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.723+/-0.073 χ^2/NDF: 332736.8/29

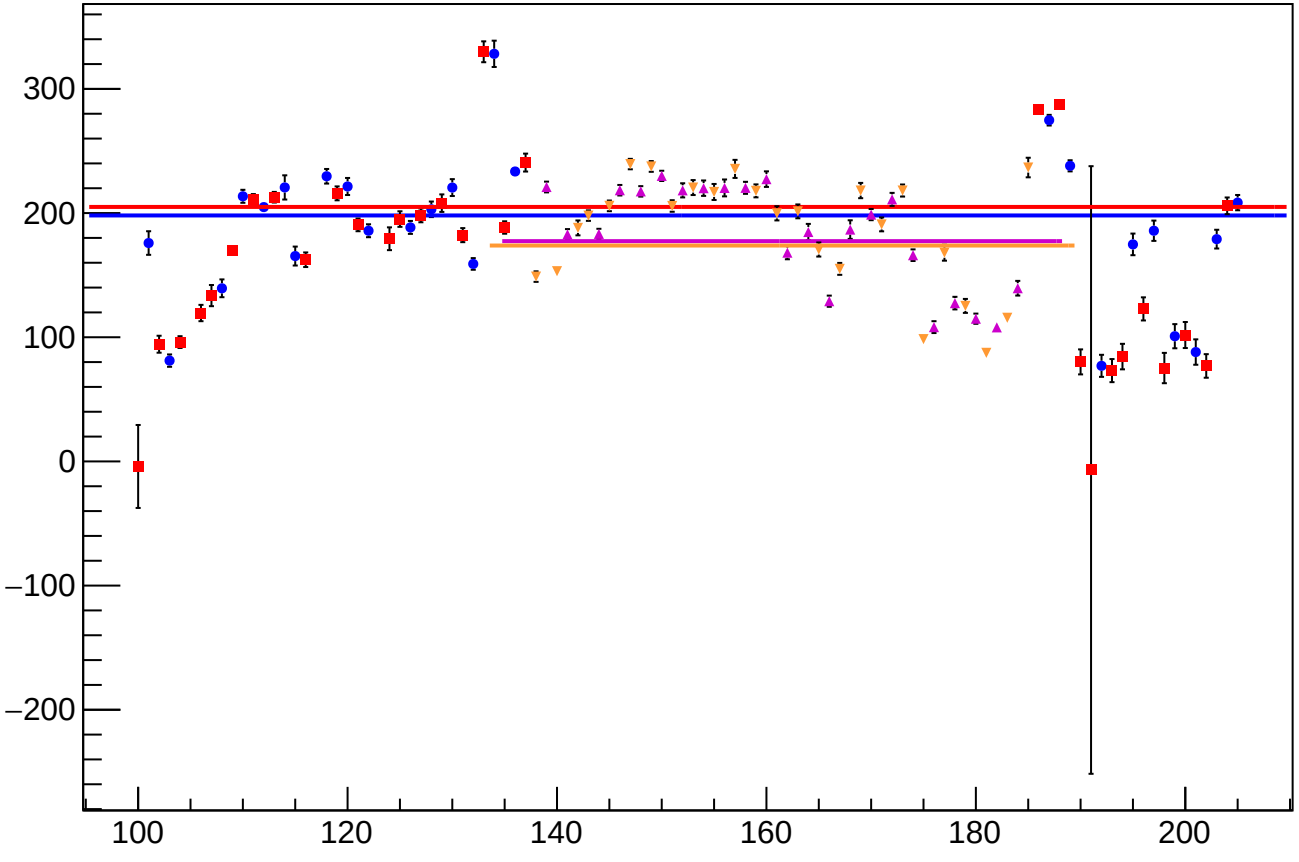
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.960+/-0.037 χ^2/NDF: 317629.6/49

All: -137.072+/-0.026 χ^2/NDF: 708327.2/102

- sign -135.221+/-0.037 χ^2/NDF: 385625.8/52

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 198.085+/-1.183 χ^2/NDF: 1862.2/24

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.949+/-1.039 χ^2/NDF: 4193.3/29

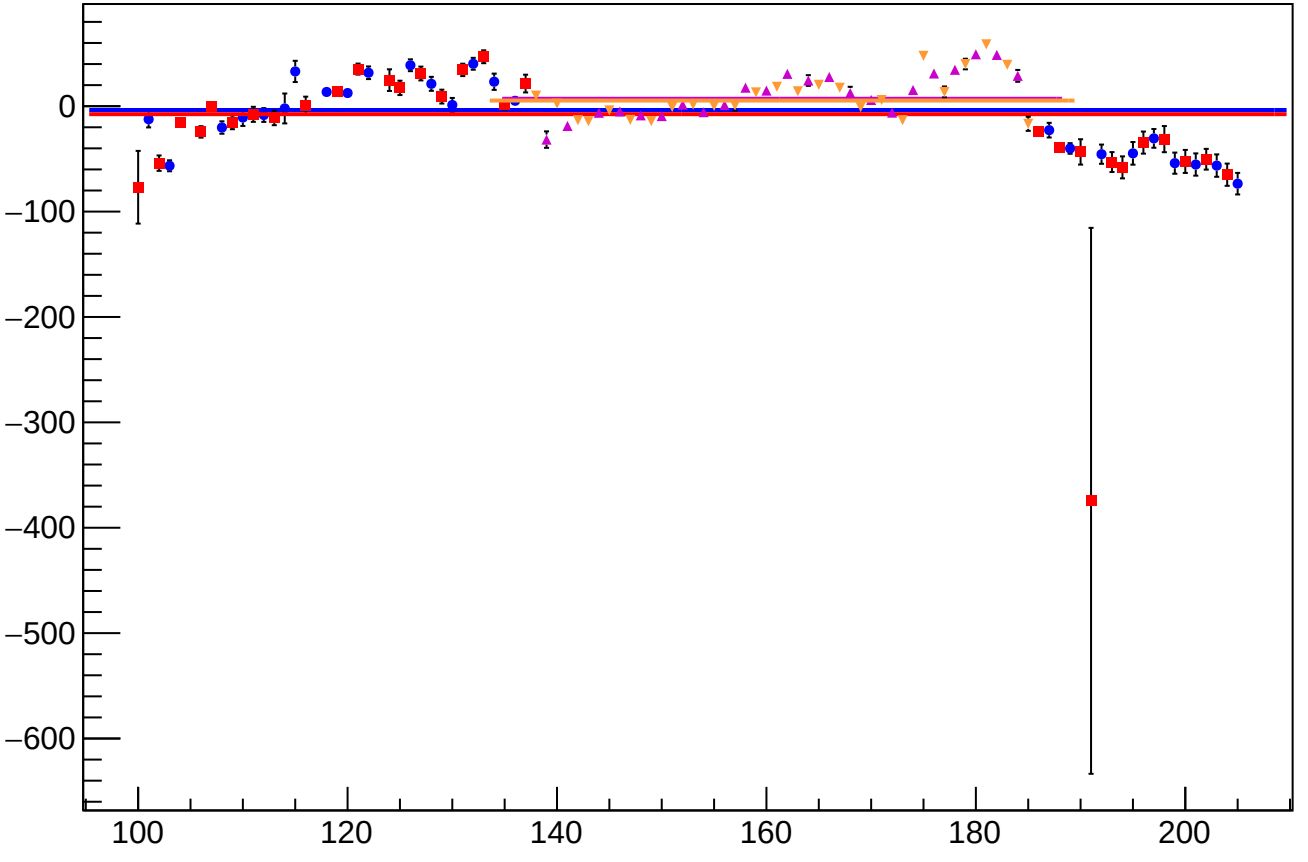
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 183.502+/-0.746 χ^2/NDF: 4742.1/49

All: 187.175+/-0.518 χ^2/NDF: 11311.3/102

\- sign 190.582+/-0.719 χ^2/NDF: 6522.6/52

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.607+/-1.279 χ^2/NDF: 572.6/24

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -7.564+/-1.146 χ^2/NDF: 618.9/29

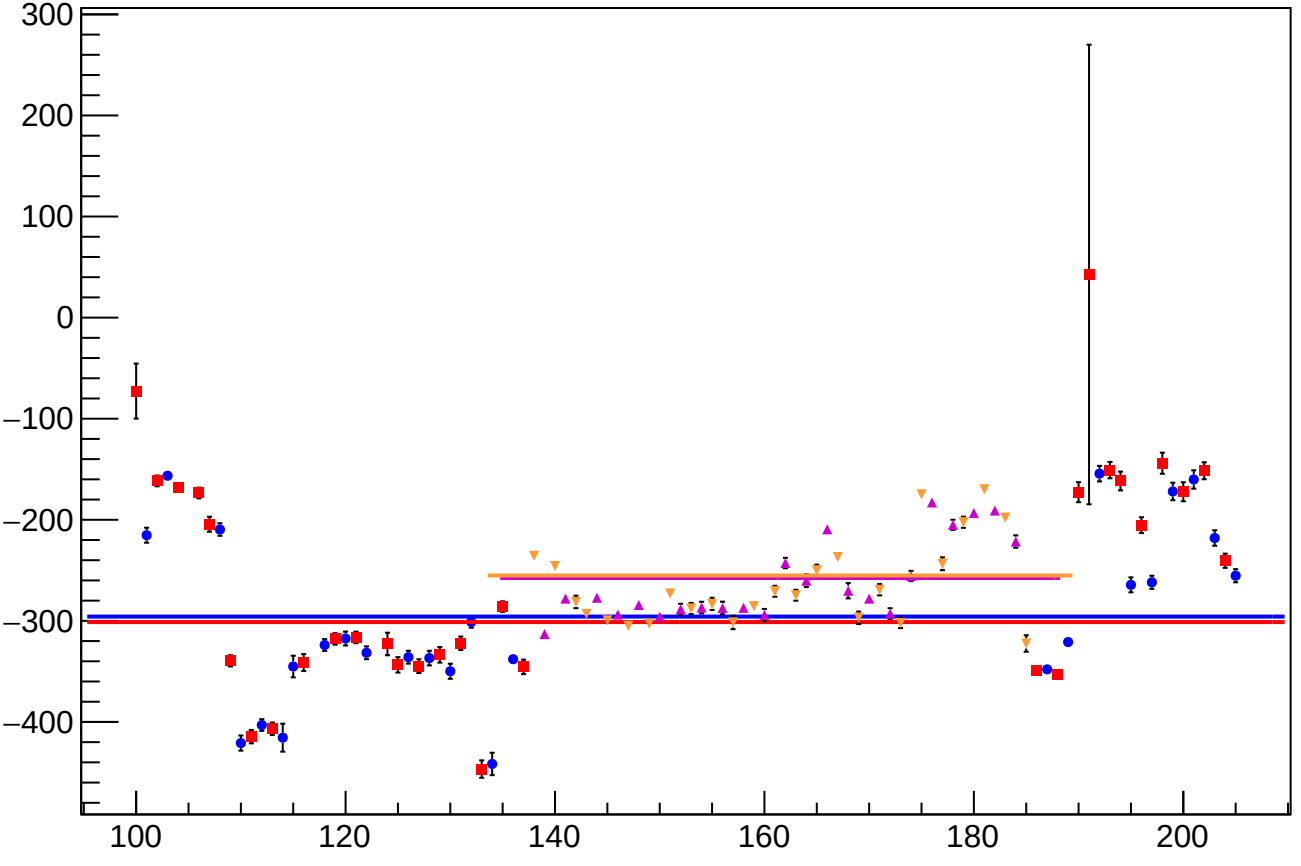
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 3.249+/-0.621 χ^2/NDF: 1420.1/49

All: 2.998+/-0.440 χ^2/NDF: 2863.8/102

- sign 2.745+/-0.622 χ^2/NDF: 1443.4/52

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -295.753+/-1.191 χ^2/NDF: 4023.9/24

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -301.197+/-1.004 χ^2/NDF: 6624.7/29

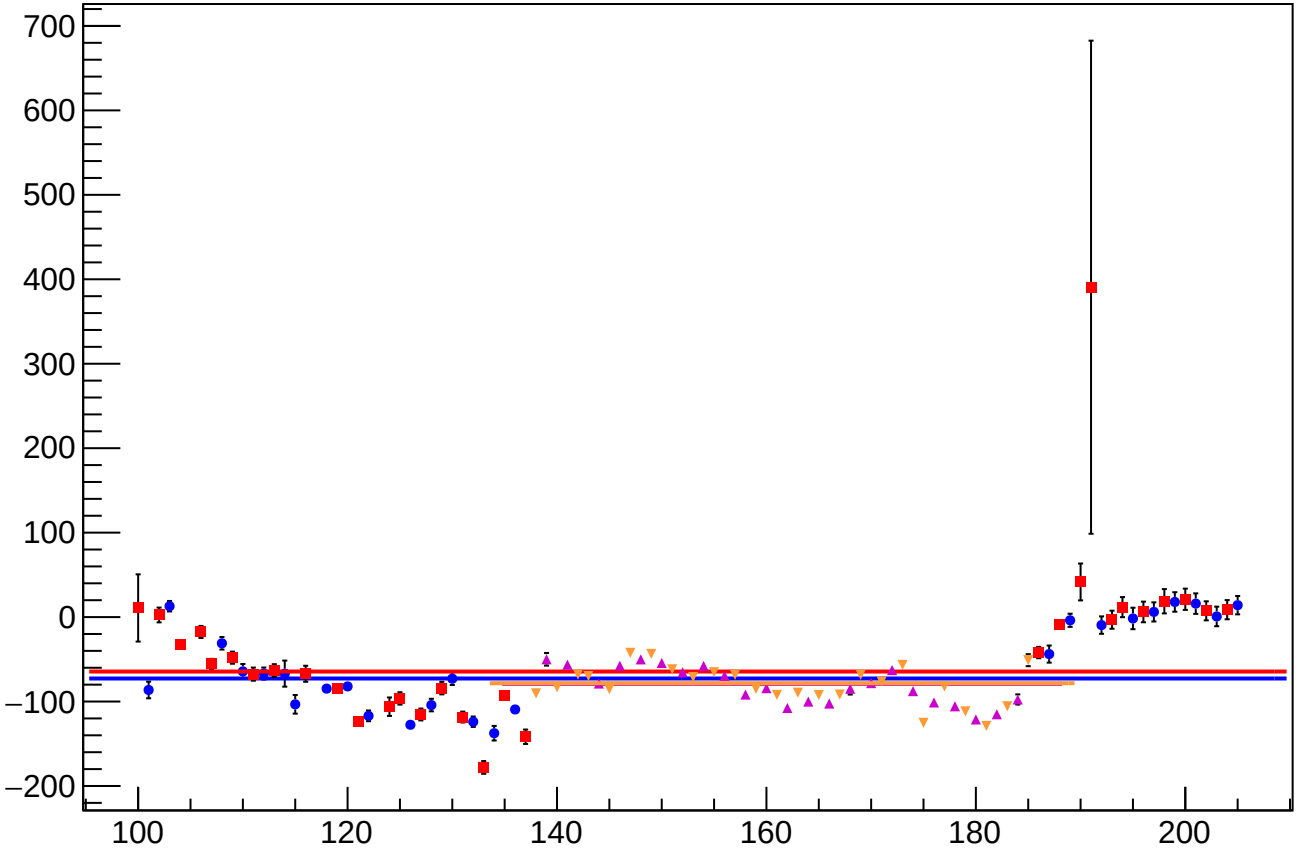
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.044+/-0.746 χ^2/NDF: 7076.1/49

All: -275.242+/-0.512 χ^2/NDF: 16529.5/102

- sign -278.973+/-0.703 χ^2/NDF: 9393.5/52

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -72.711+/-1.499 χ^2/NDF: 1021.0/24

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -64.462+/-1.383 χ^2/NDF: 1228.2/29

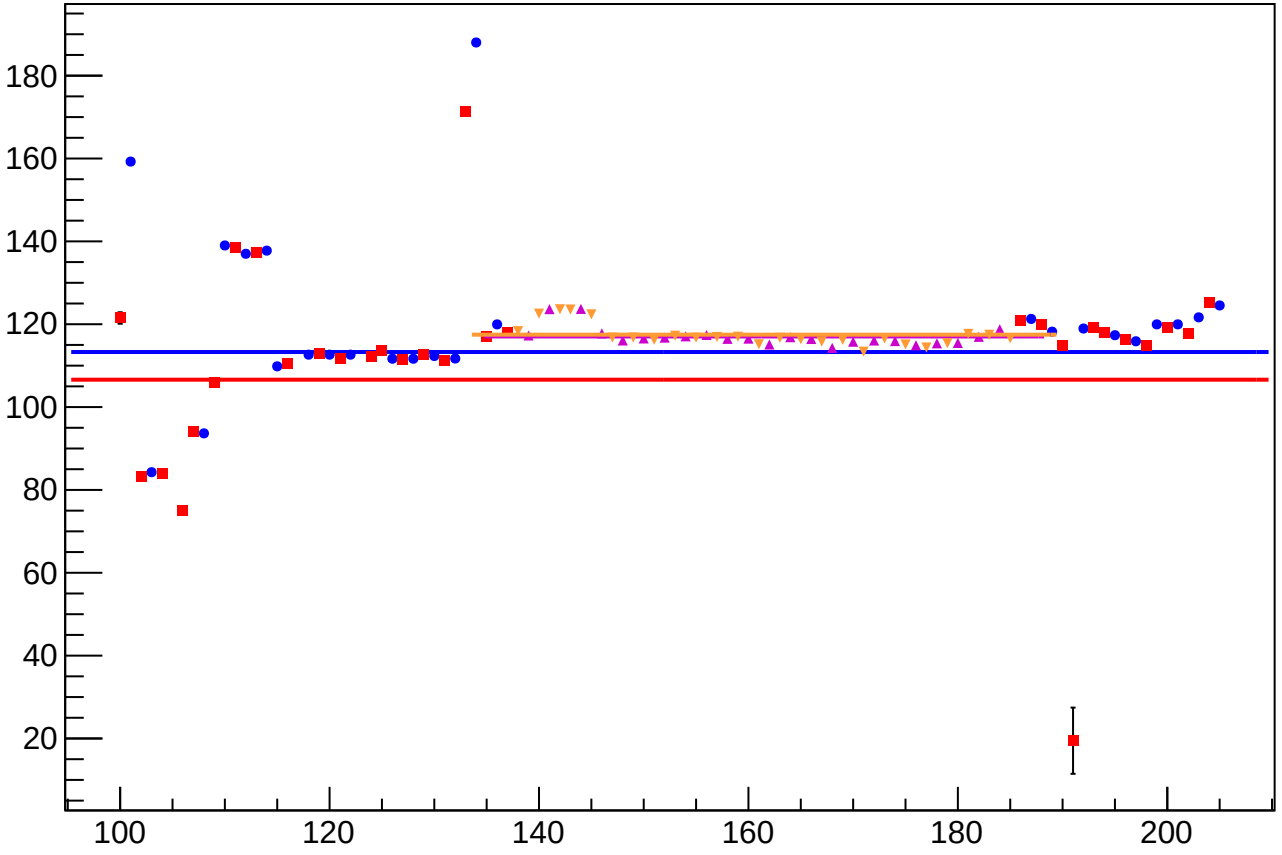
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -77.011+/-0.719 χ^2/NDF: 1899.8/49

All: -76.047+/-0.510 χ^2/NDF: 3915.3/102

- sign -75.070+/-0.723 χ^2/NDF: 2011.9/52

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.290+/-0.072 χ^2/NDF: 86908.6/24

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.610+/-0.067 χ^2/NDF: 77860.9/29

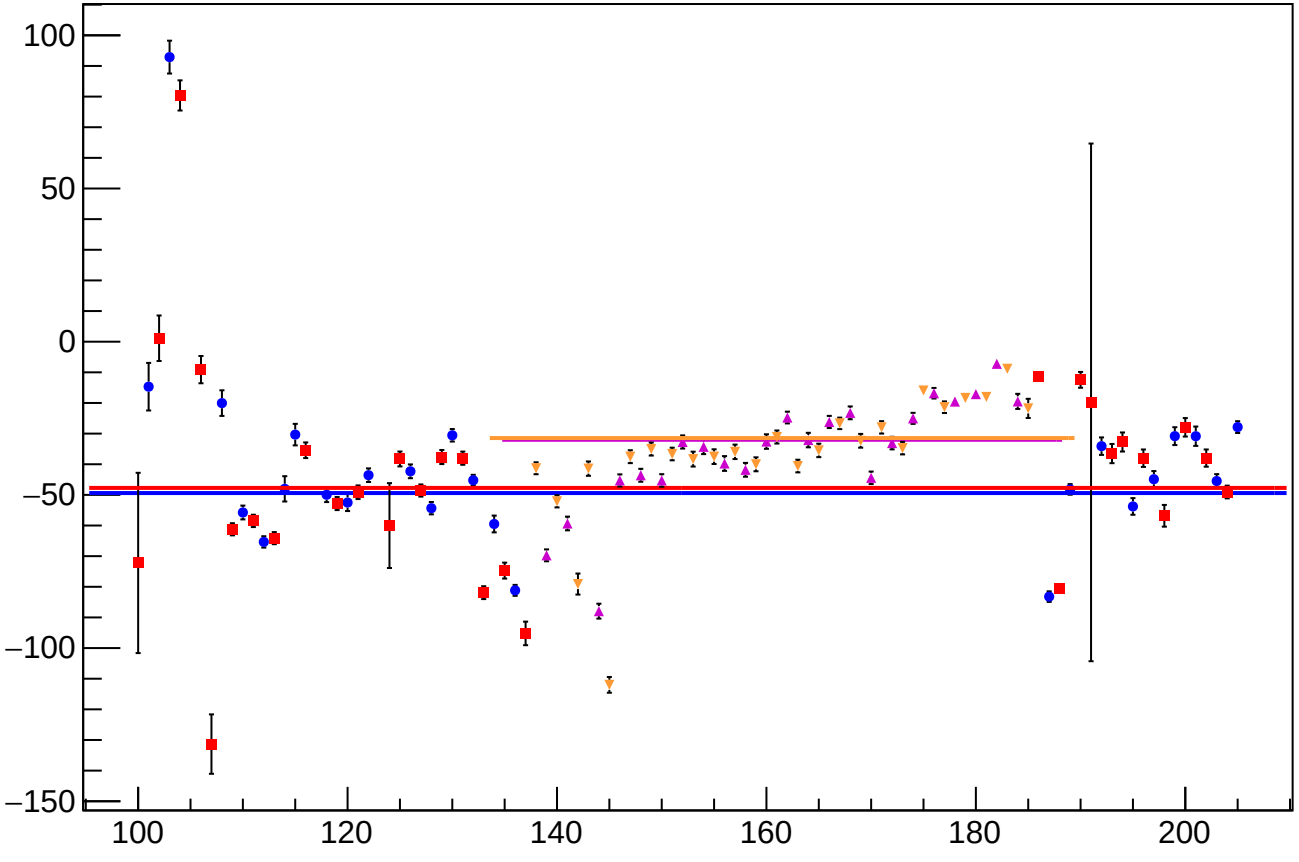
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.558+/-0.034 χ^2/NDF: 94310.7/49

All: 115.492+/-0.024 χ^2/NDF: 195803.5/102

- sign 114.435+/-0.033 χ^2/NDF: 99484.7/52

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -49.405+/-0.475 χ^2/NDF: 1949.3/24

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.724+/-0.420 χ^2/NDF: 4195.0/29

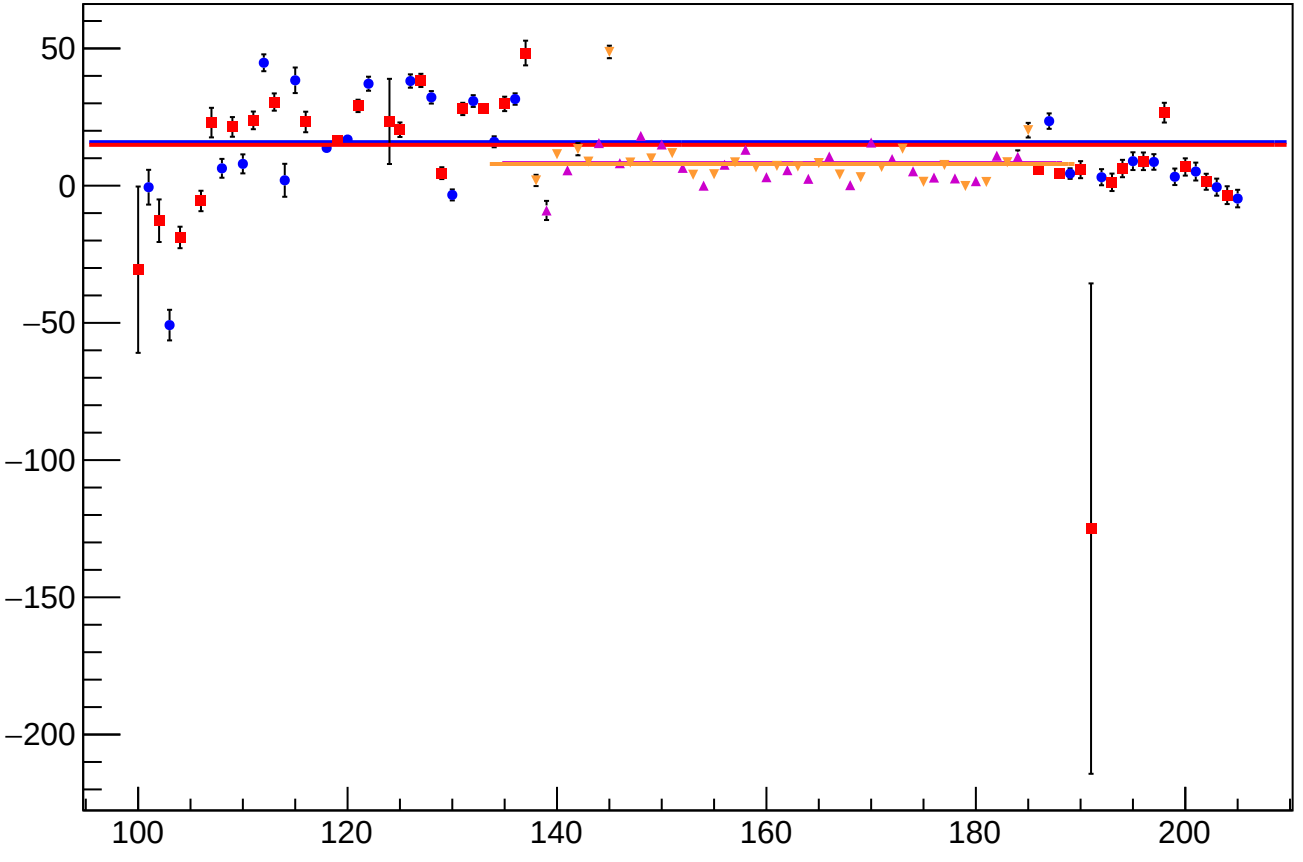
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.885+/-0.305 χ^2/NDF: 4780.2/49

All: -39.285+/-0.211 χ^2/NDF: 11608.8/102

- sign -39.654+/-0.293 χ^2/NDF: 6825.3/52

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.848+/-0.512 χ^2/NDF: 854.2/24

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.877+/-0.472 χ^2/NDF: 737.9/29

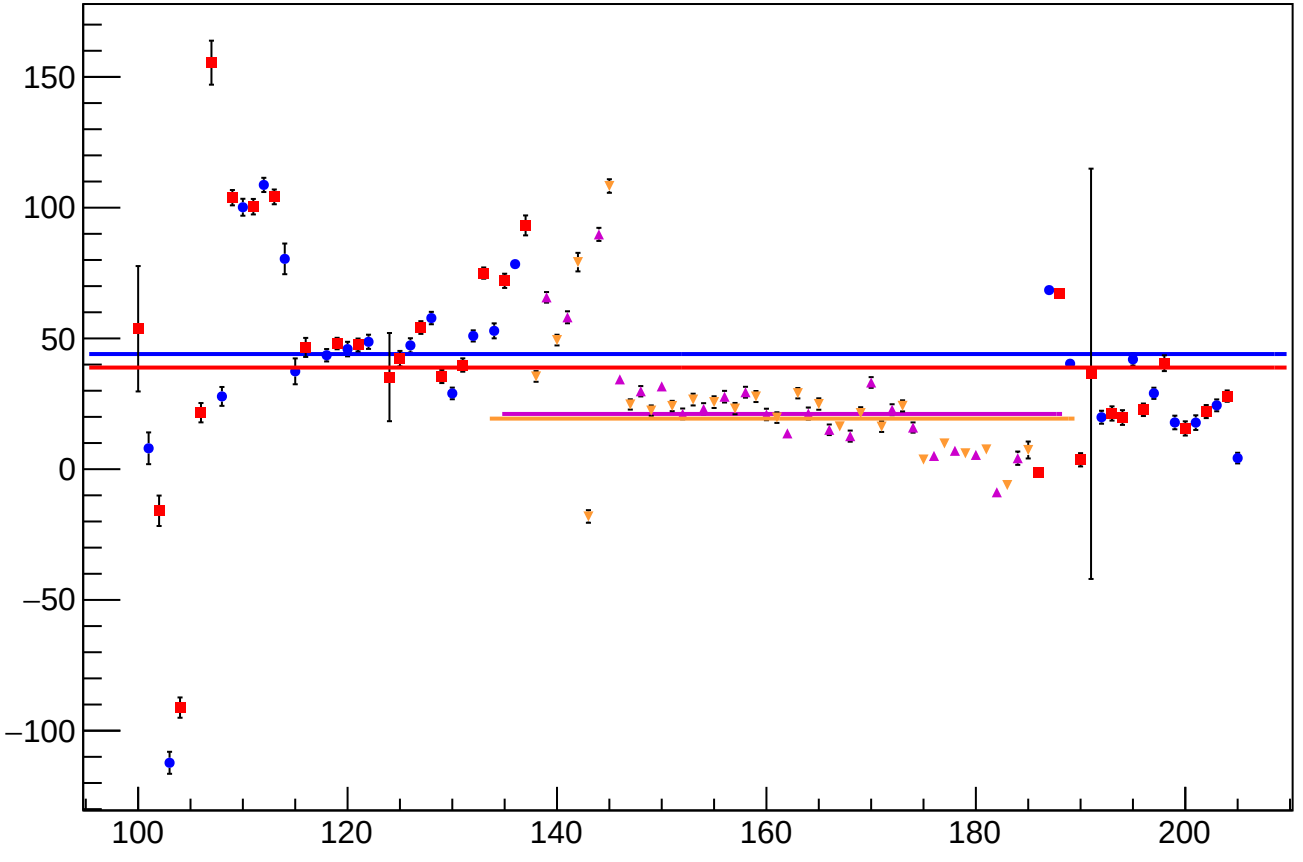
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 9.966+/-0.261 χ^2/NDF: 1522.9/49

All: 10.122+/-0.185 χ^2/NDF: 2737.7/102

\- sign 10.280+/-0.262 χ^2/NDF: 1214.1/52

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 44.027+/-0.483 χ^2/NDF: 3902.9/24

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 38.861+/-0.403 χ^2/NDF: 7567.1/29

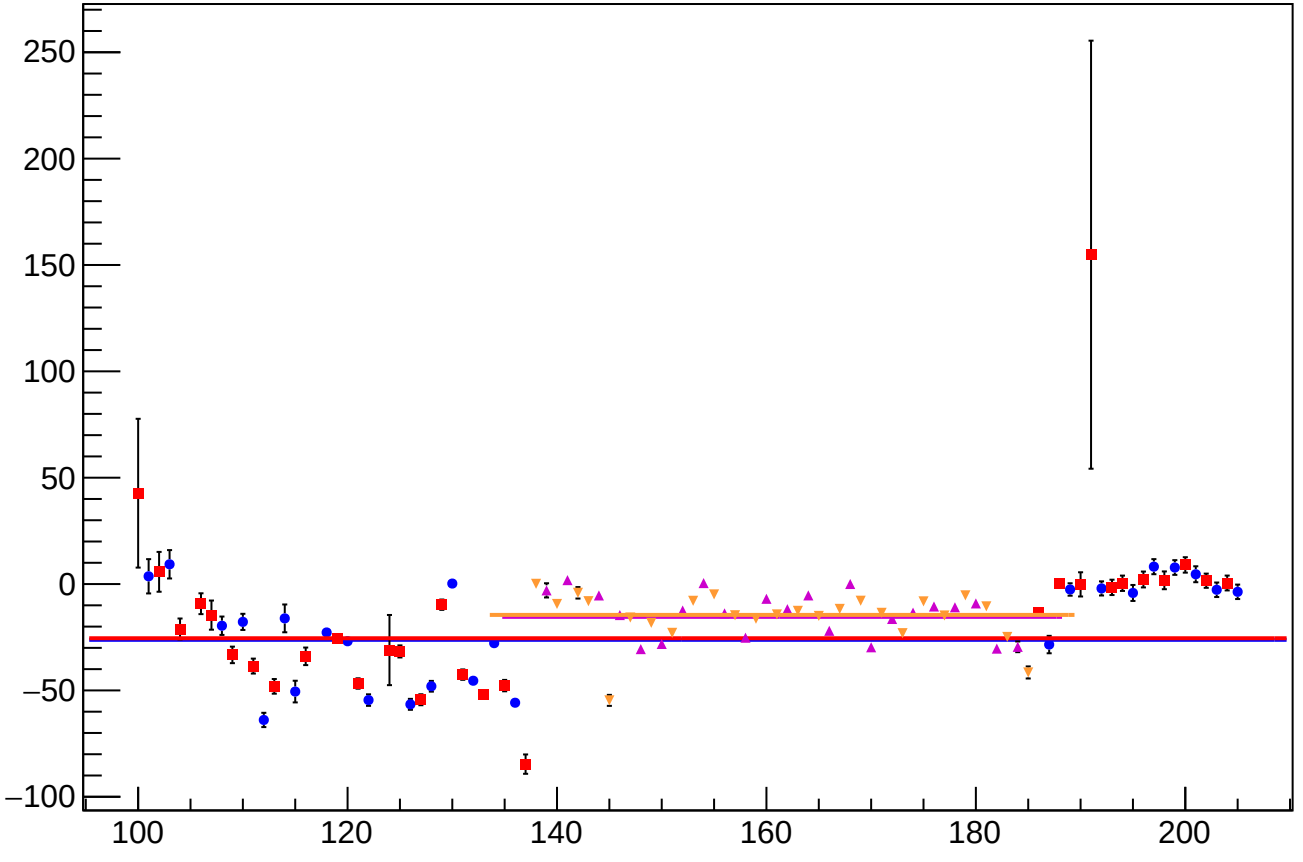
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 29.258+/-0.306 χ^2/NDF: 8150.2/49

All: 29.675+/-0.209 χ^2/NDF: 19190.6/102

- sign 30.038+/-0.285 χ^2/NDF: 11036.9/52

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -26.209+/-0.599 χ^2/NDF: 1438.1/24

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -25.478+/-0.574 χ^2/NDF: 1453.0/29

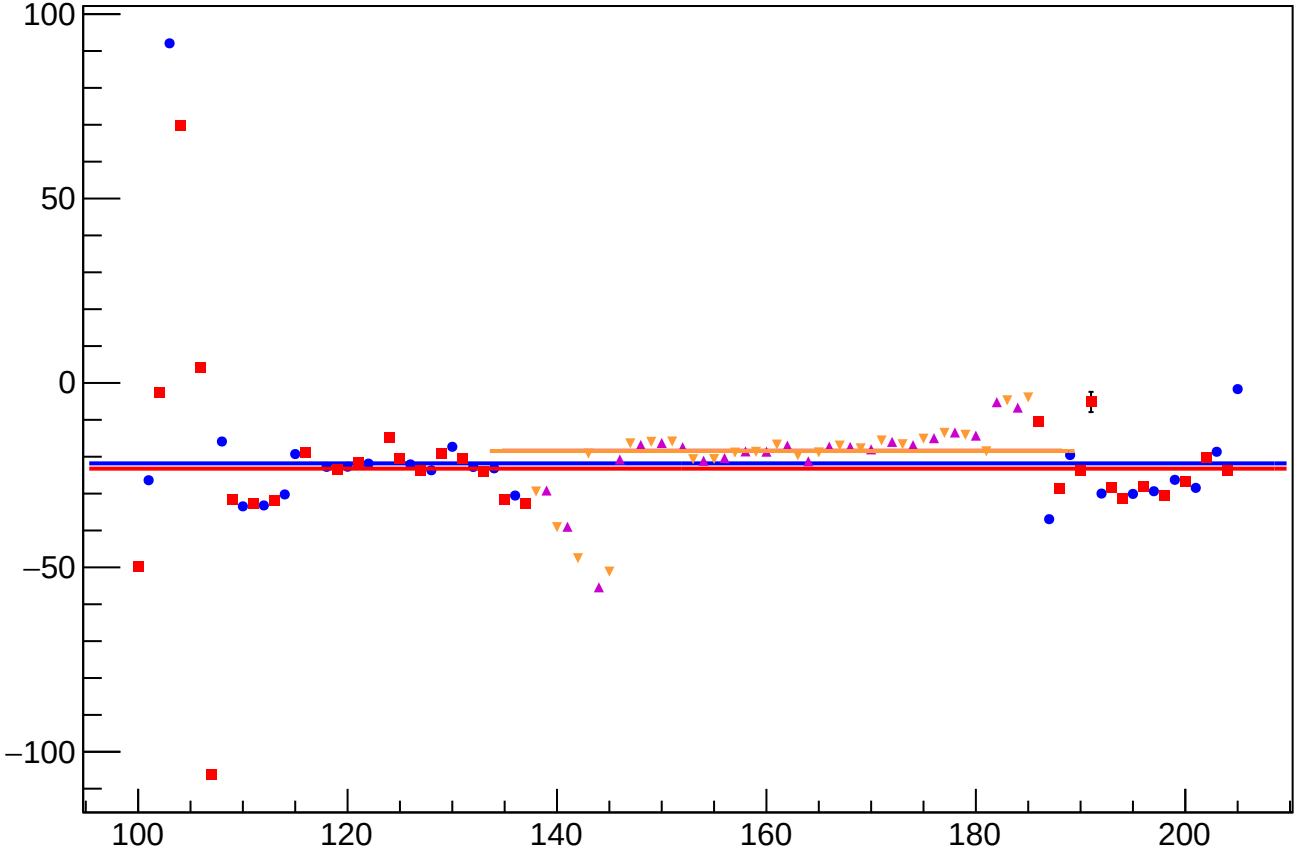
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.404+/-0.298 χ^2/NDF: 2366.2/49

All: -17.800+/-0.212 χ^2/NDF: 4843.8/102

- sign -18.206+/-0.302 χ^2/NDF: 2474.0/52

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.803+/-0.030 χ^2/NDF: 476572.1/24

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.231+/-0.029 χ^2/NDF: 379418.4/29

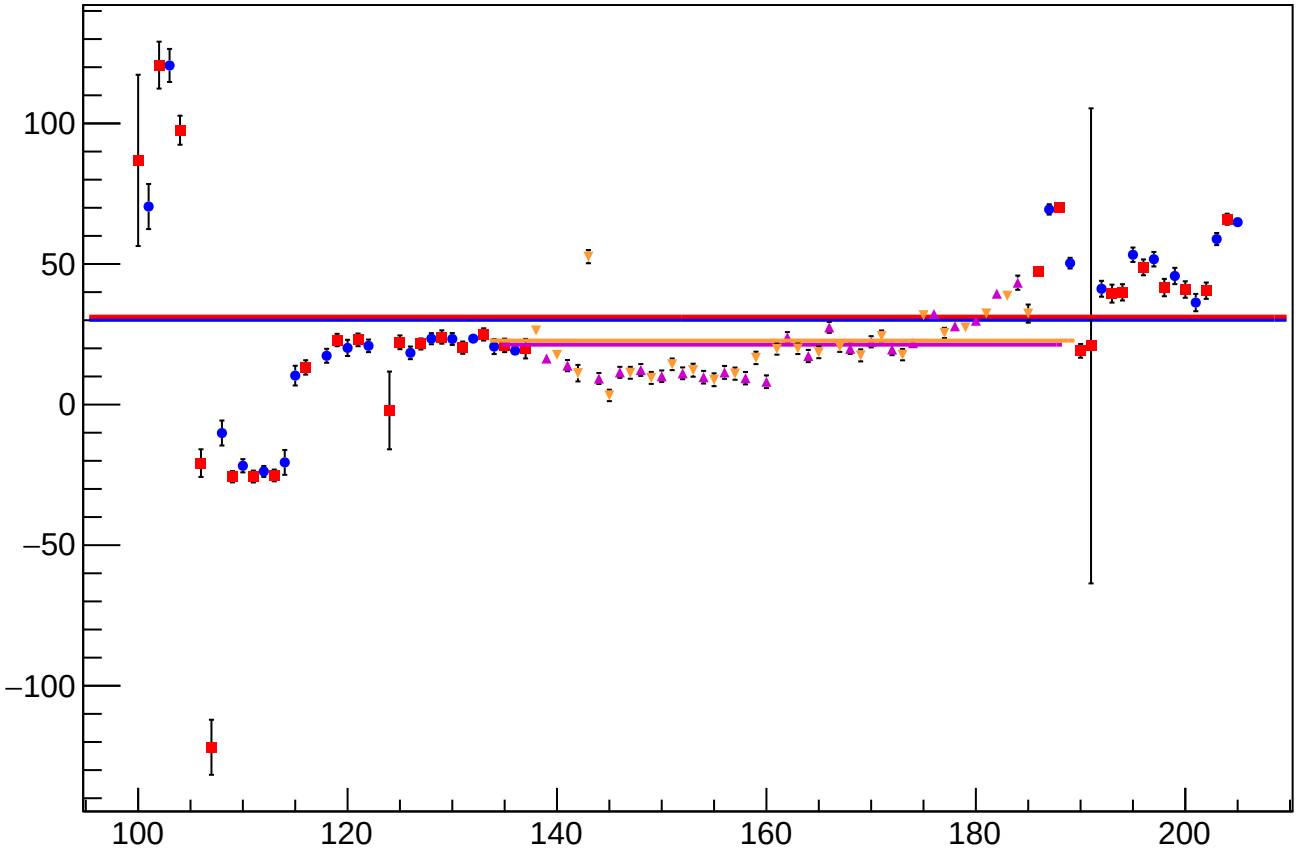
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.174+/-0.014 χ^2/NDF: 782062.6/49

All: -19.333+/-0.010 χ^2/NDF: 1433638.1/102

- sign -19.495+/-0.014 χ^2/NDF: 651303.2/52

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 30.167+/-0.477 χ^2/NDF: 3259.5/24

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 31.279+/-0.437 χ^2/NDF: 4981.5/29

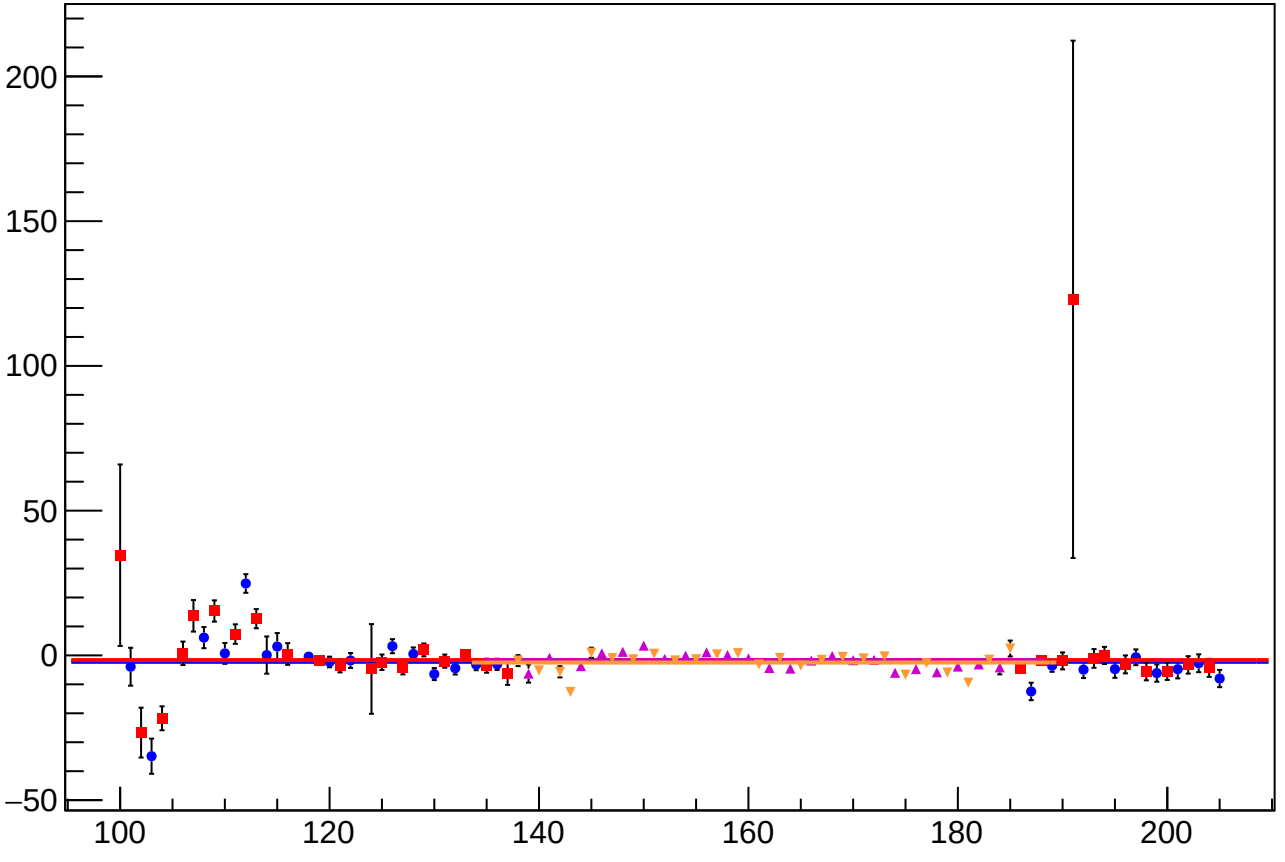
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 25.664+/-0.298 χ^2/NDF: 4128.8/49

All: 25.717+/-0.209 χ^2/NDF: 10027.0/102

- sign 25.768+/-0.292 χ^2/NDF: 5898.1/52

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.223+/-0.517 χ^2/NDF: 140.2/24

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.626+/-0.490 χ^2/NDF: 106.4/29

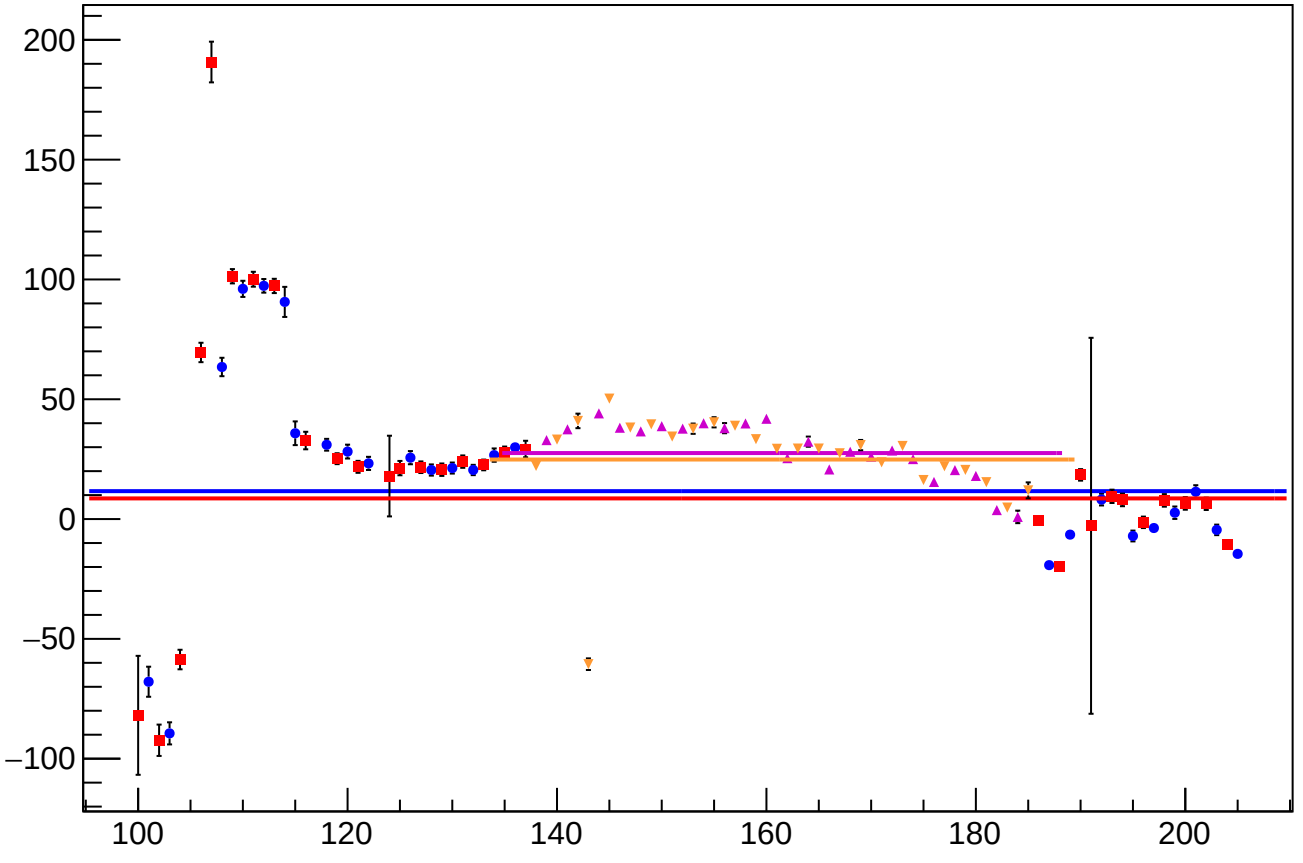
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.409+/-0.255 χ^2/NDF: 257.1/49

All: -2.034+/-0.181 χ^2/NDF: 438.1/102

- sign -1.650+/-0.258 χ^2/NDF: 176.6/52

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 11.653+/-0.487 χ^2/NDF: 3796.3/24

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 8.616+/-0.425 χ^2/NDF: 5572.2/29

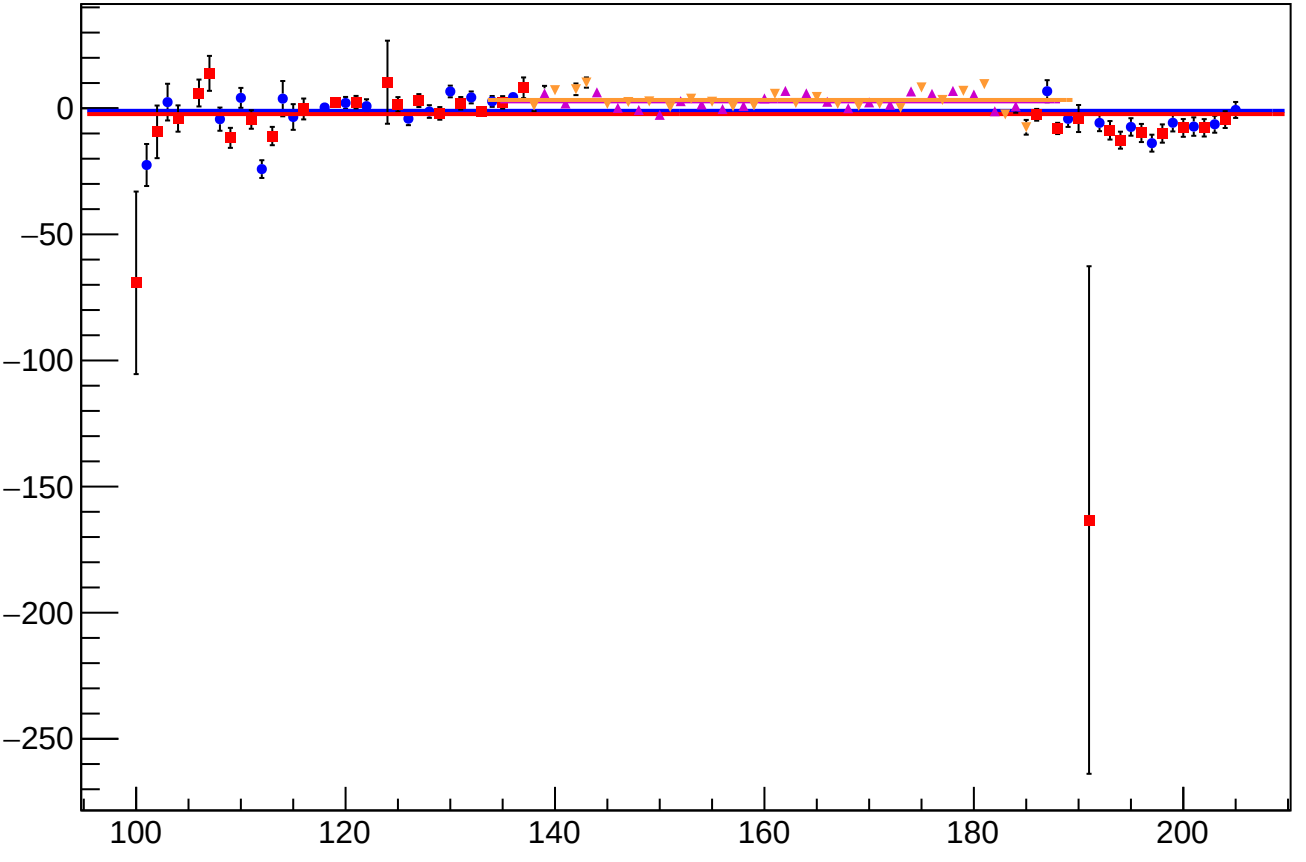
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 19.864+/-0.300 χ^2/NDF: 6301.2/49

All: 19.378+/-0.207 χ^2/NDF: 13839.5/102

- sign 18.932+/-0.287 χ^2/NDF: 7533.2/52

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.017+/-0.600 χ^2/NDF: 115.5/24

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

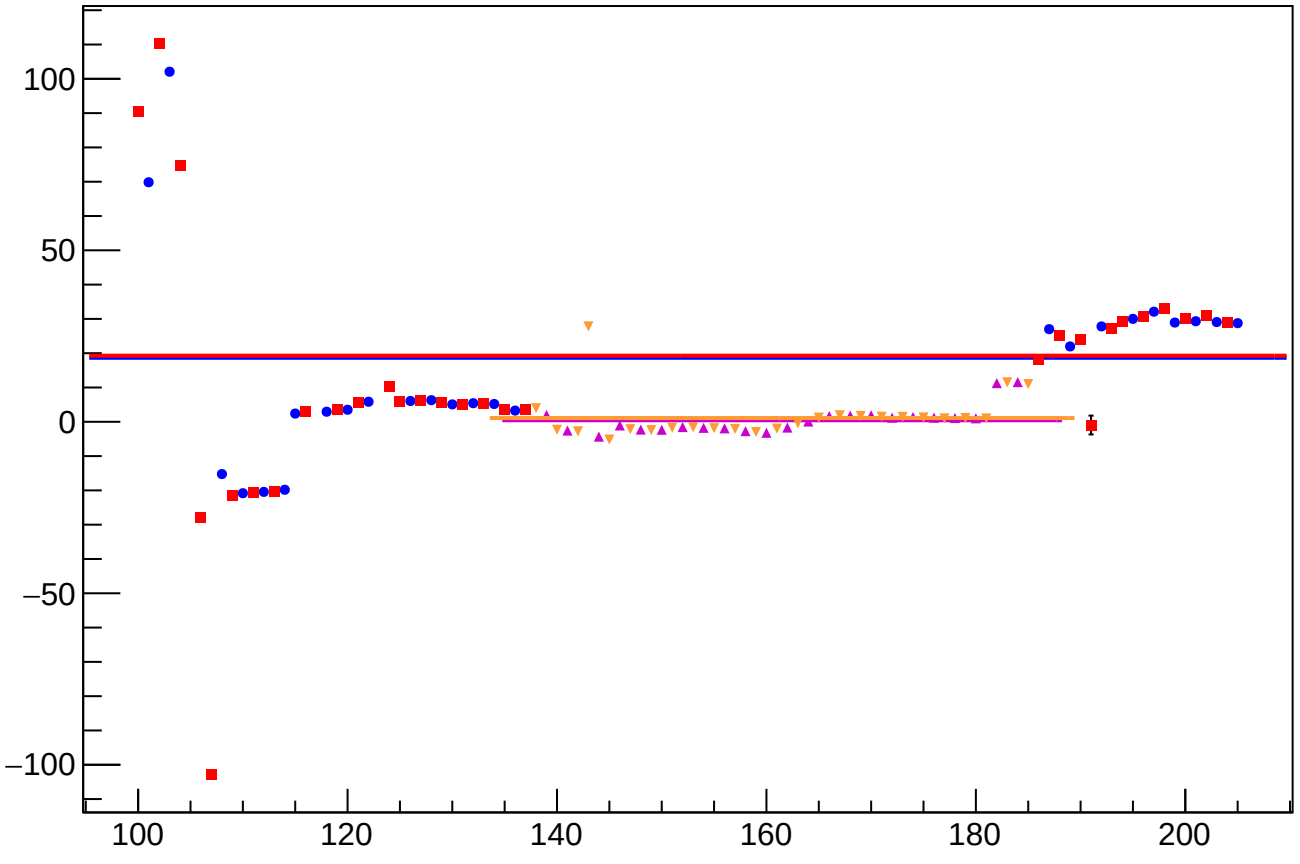
Right Out: -2.319+/-0.589 χ^2/NDF: 89.1/29

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.282+/-0.290 χ^2/NDF: 261.2/49

All: 1.876+/-0.207 χ^2/NDF: 483.8/102

- sign 1.454+/-0.296 χ^2/NDF: 218.6/52



Right In: 18.669+/-0.029 χ^2/NDF: 465859.4/24

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.277+/-0.029 χ^2/NDF: 615752.7/29

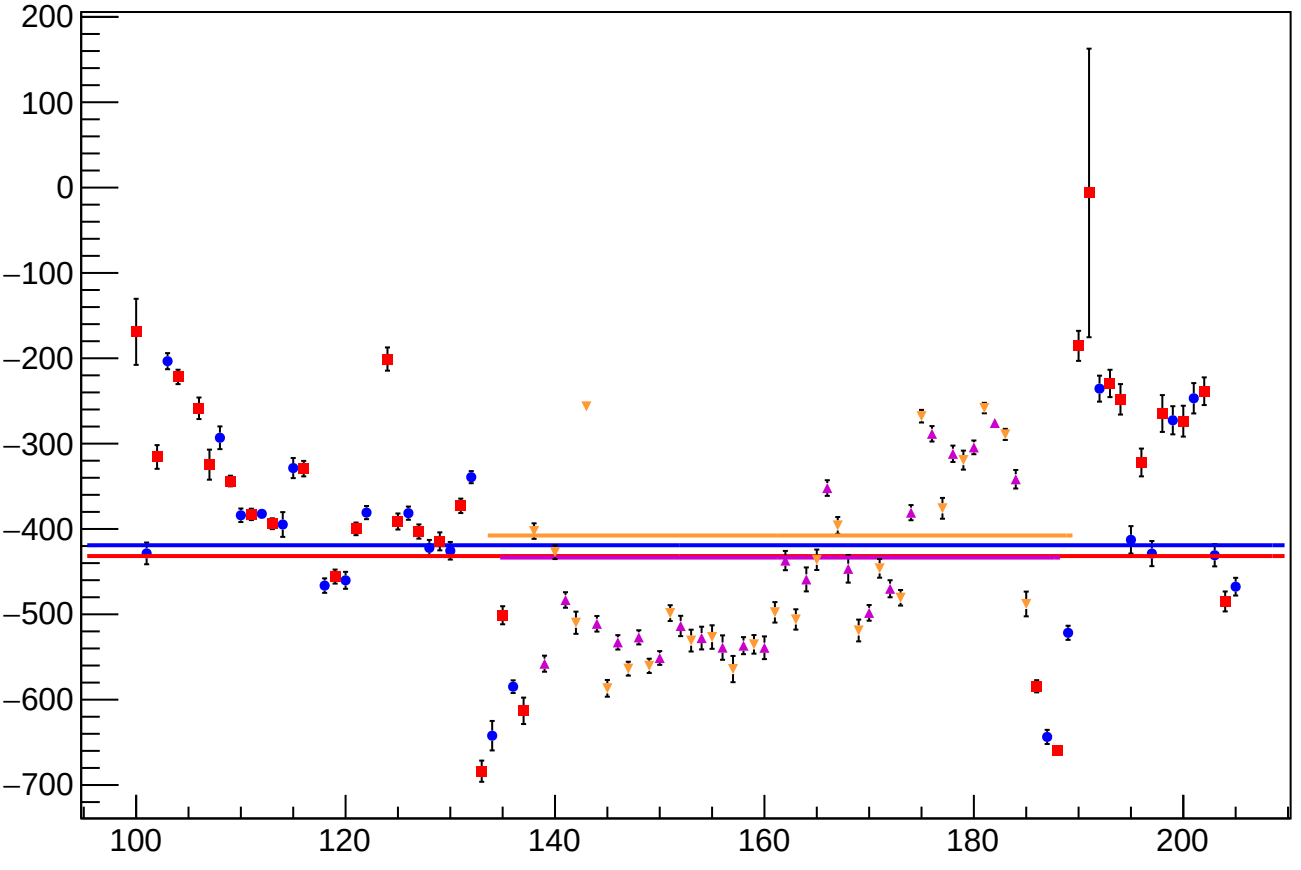
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 4.730+/-0.013 χ^2/NDF: 884888.7/49

All: 4.624+/-0.009 χ^2/NDF: 1891218.7/102

- sign 4.515+/-0.013 χ^2/NDF: 1006199.7/52

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -419.059+/-1.947 χ^2/NDF: 2848.3/24

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -431.741+/-1.758 χ^2/NDF: 6331.5/29

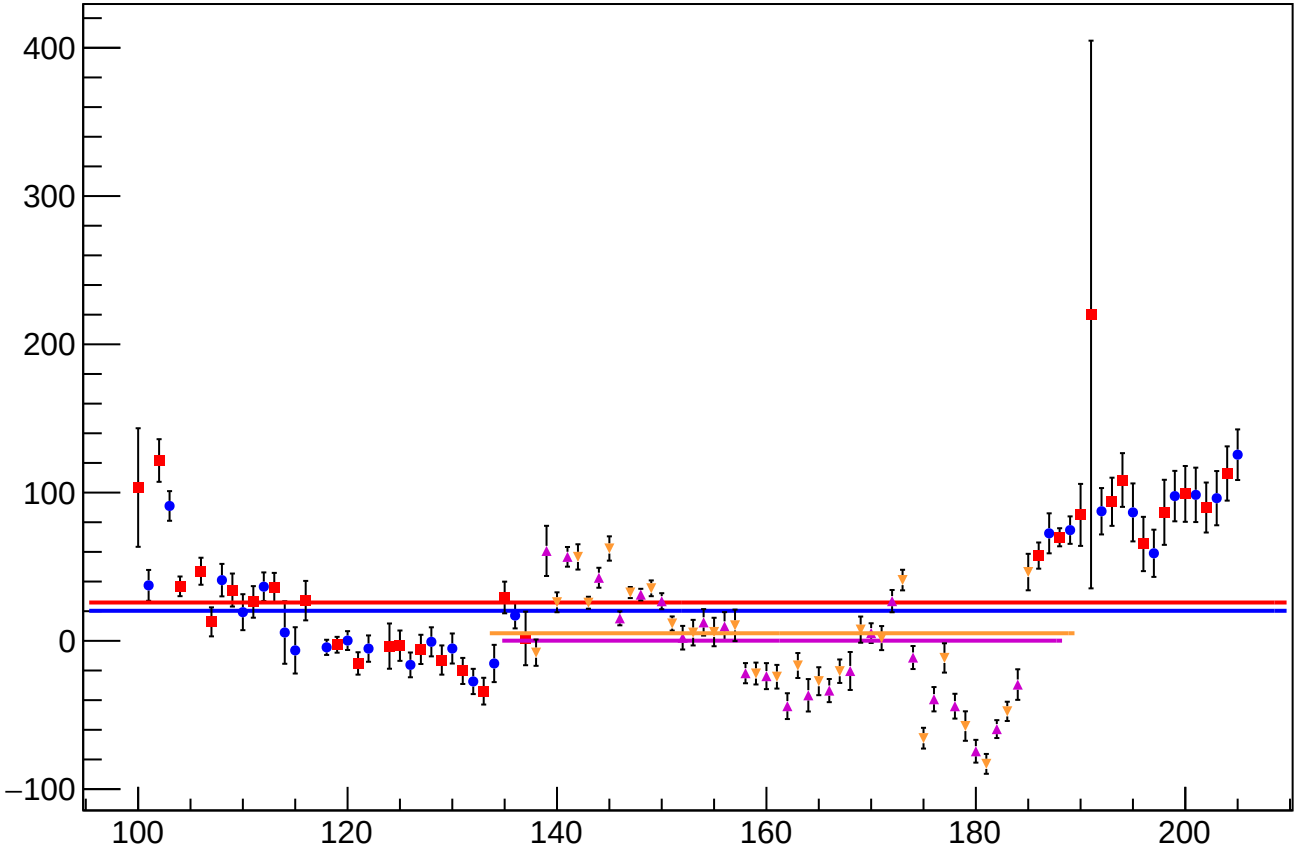
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.103+/-1.348 χ^2/NDF: 6871.9/49

All: -423.026+/-0.943 χ^2/NDF: 16034.5/102

- sign -432.523+/-1.319 χ^2/NDF: 9056.5/52

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 20.273+/-2.060 χ^2/NDF: 352.9/24

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 25.865+/-1.923 χ^2/NDF: 405.4/29

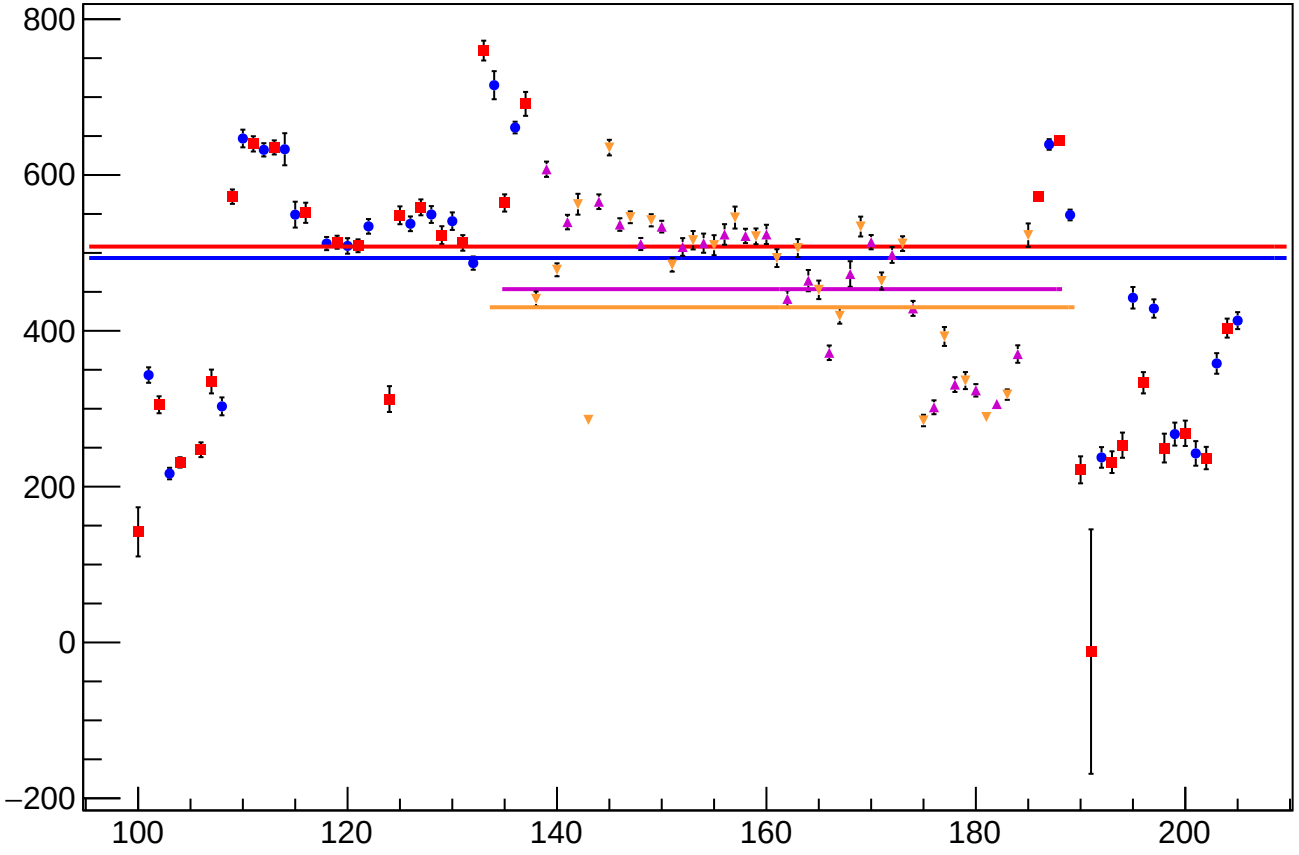
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 9.812+/-1.146 χ^2/NDF: 1079.4/49

All: 9.794+/-0.821 χ^2/NDF: 2165.4/102

- sign 9.775+/-1.177 χ^2/NDF: 1086.0/52

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 493.470+/-2.023 χ^2/NDF: 4732.4/24

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 508.123+/-1.765 χ^2/NDF: 7837.5/29

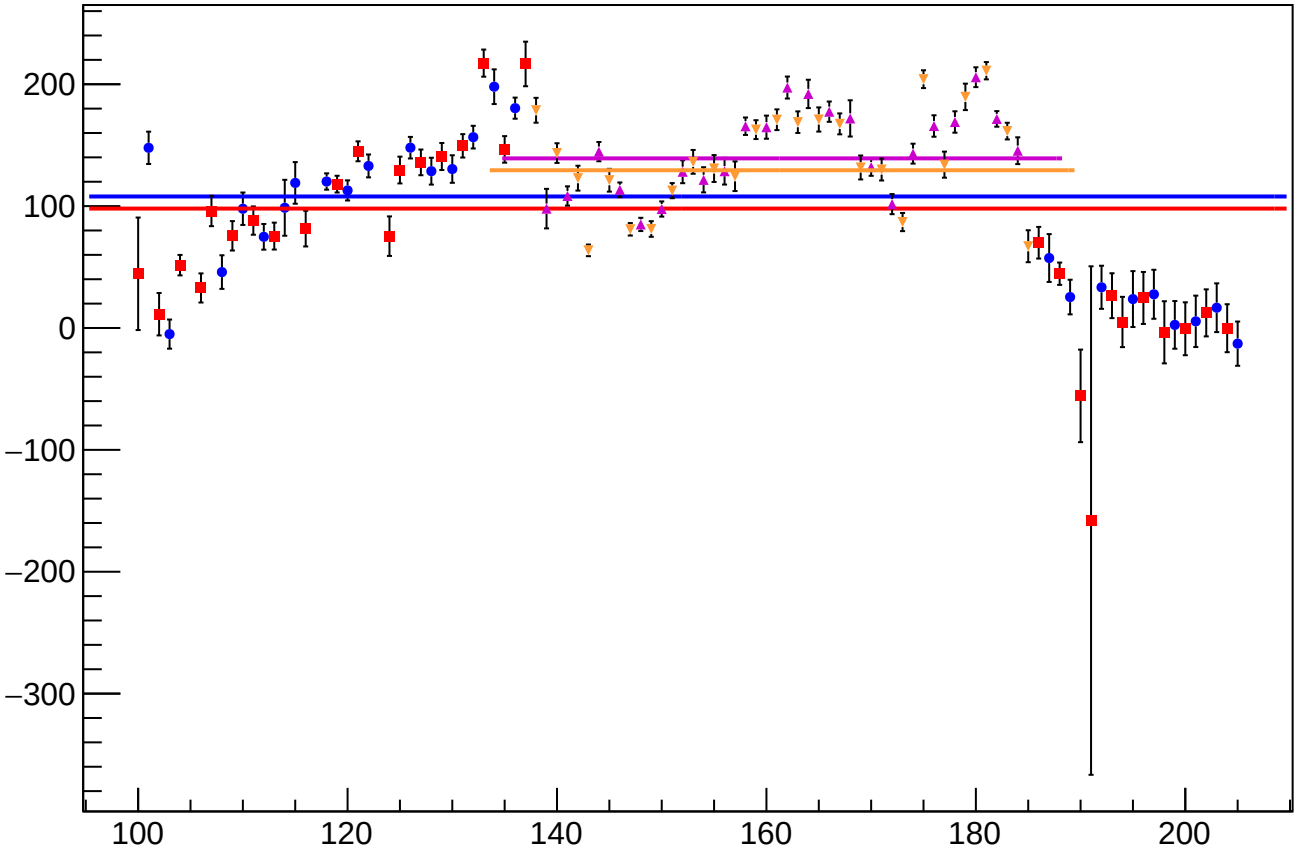
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.217+/-1.370 χ^2/NDF: 8666.5/49

All: 472.024+/-0.949 χ^2/NDF: 19517.3/102

- sign 483.844+/-1.316 χ^2/NDF: 10682.7/52

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 107.907+/-2.422 χ^2/NDF: 511.1/24

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 97.984+/-2.298 χ^2/NDF: 566.5/29

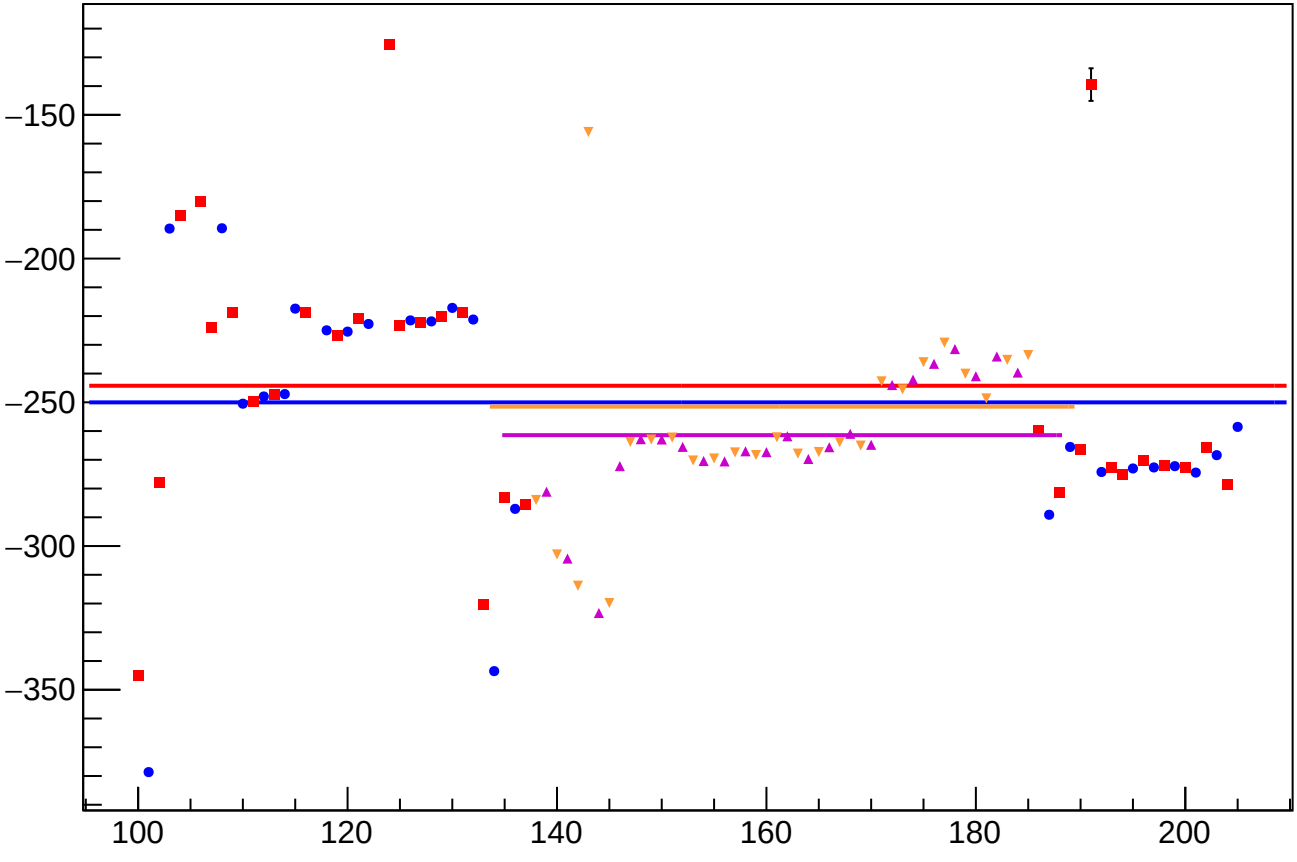
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 122.926+/-1.331 χ^2/NDF: 1380.4/49

All: 123.712+/-0.954 χ^2/NDF: 2589.0/102

- sign 124.543+/-1.369 χ^2/NDF: 1207.8/52

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -250.024+/-0.125 χ^2/NDF: 148021.8/24

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.240+/-0.120 χ^2/NDF: 112473.3/29

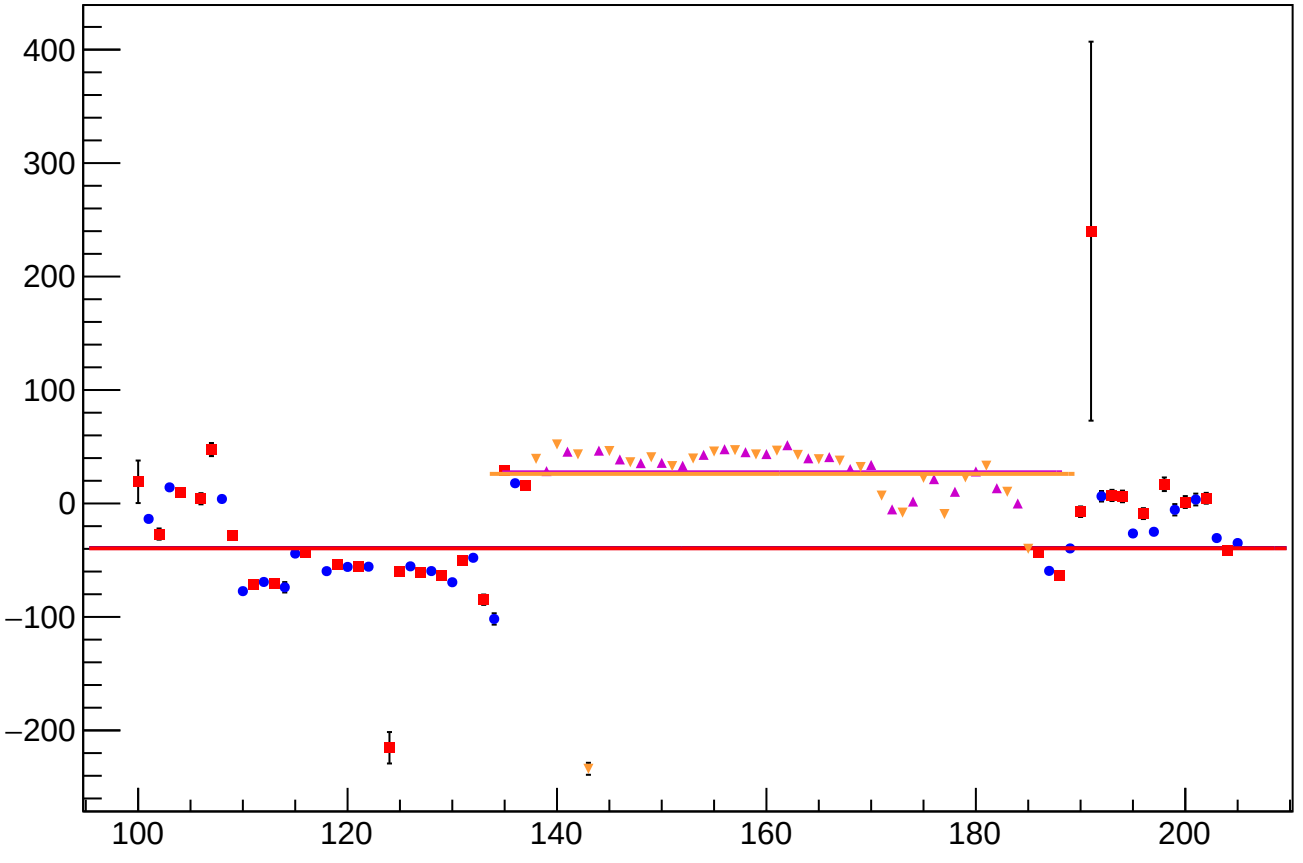
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.120+/-0.064 χ^2/NDF: 403049.8/49

All: -253.672+/-0.046 χ^2/NDF: 602774.6/102

- sign -256.321+/-0.065 χ^2/NDF: 196492.8/52

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.269+/-0.617 χ^2/NDF: 2715.0/24

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.515+/-0.546 χ^2/NDF: 3235.0/29

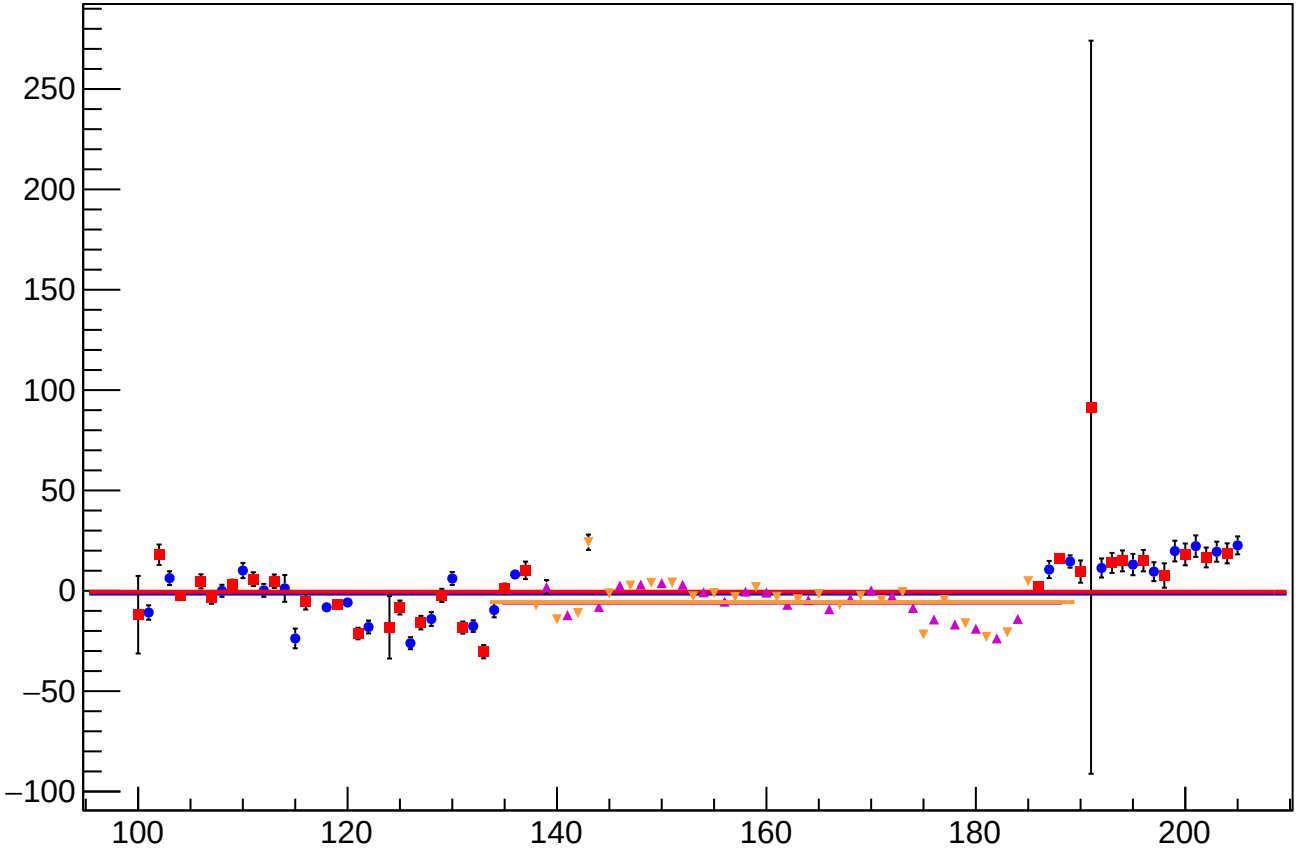
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 7.433+/-0.329 χ^2/NDF: 15528.4/49

All: 5.883+/-0.230 χ^2/NDF: 30271.1/102

- sign 4.416+/-0.321 χ^2/NDF: 14699.6/52

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.397+/-0.672 χ^2/NDF: 367.1/24

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.466+/-0.623 χ^2/NDF: 370.5/29

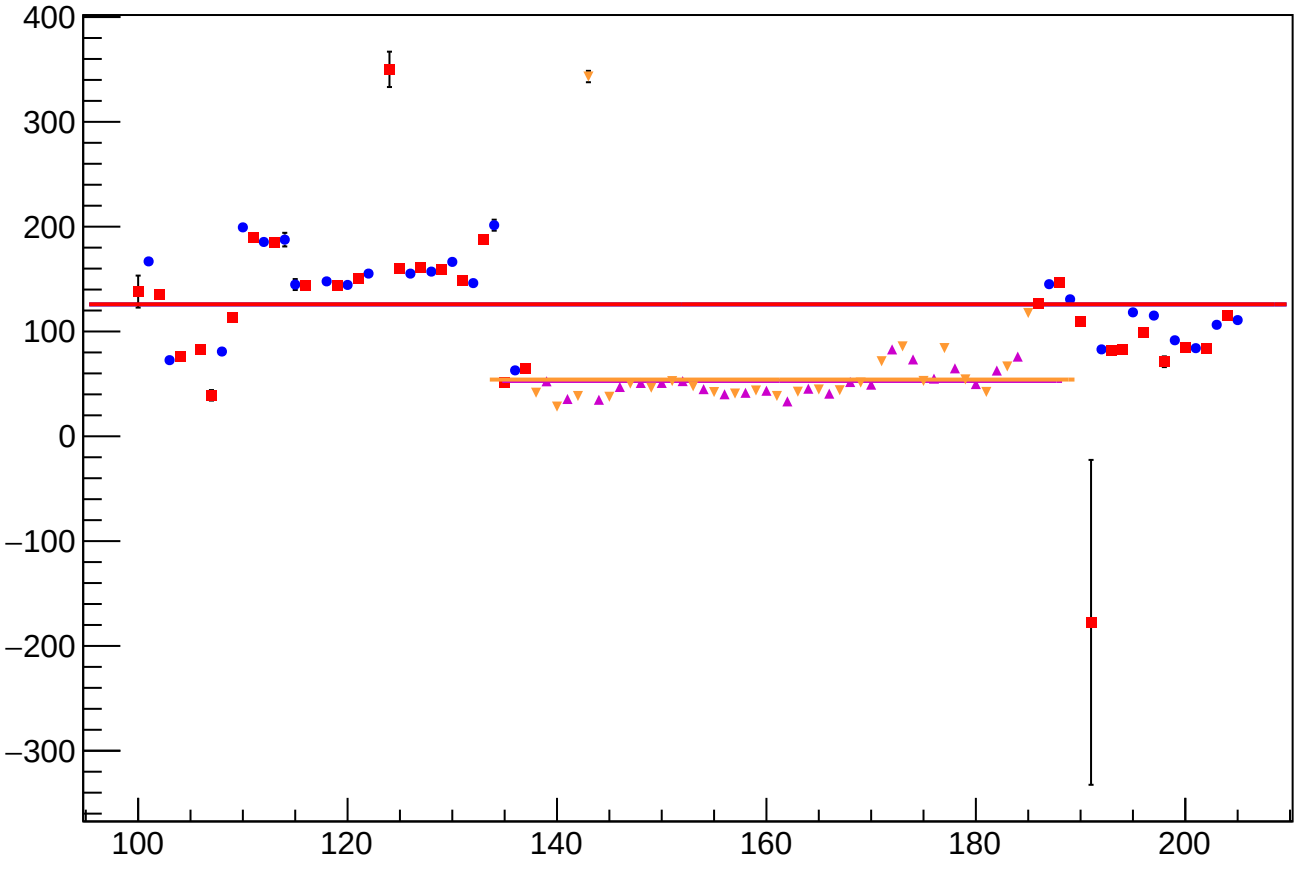
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -4.916+/-0.275 χ^2/NDF: 1293.3/49

All: -4.888+/-0.195 χ^2/NDF: 2438.0/102

- sign -4.860+/-0.277 χ^2/NDF: 1144.7/52

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.776+/-0.637 χ^2/NDF: 4055.6/24

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.945+/-0.551 χ^2/NDF: 4360.5/29

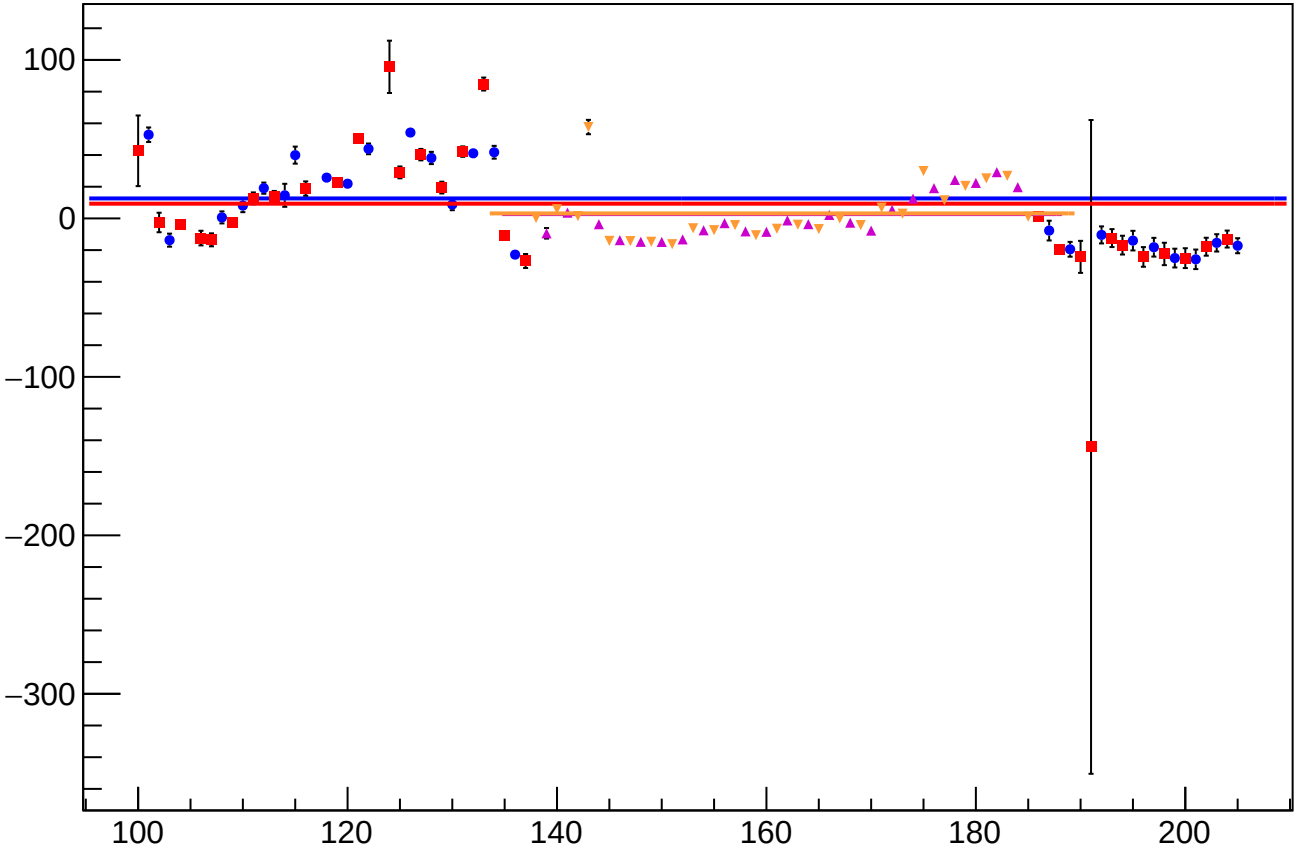
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 73.471+/-0.331 χ^2/NDF: 17890.7/49

All: 75.514+/-0.230 χ^2/NDF: 34989.3/102

\- sign 77.422+/-0.320 χ^2/NDF: 17024.9/52

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 12.599+/-0.779 χ^2/NDF: 1180.6/24

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.292+/-0.742 χ^2/NDF: 1266.6/29

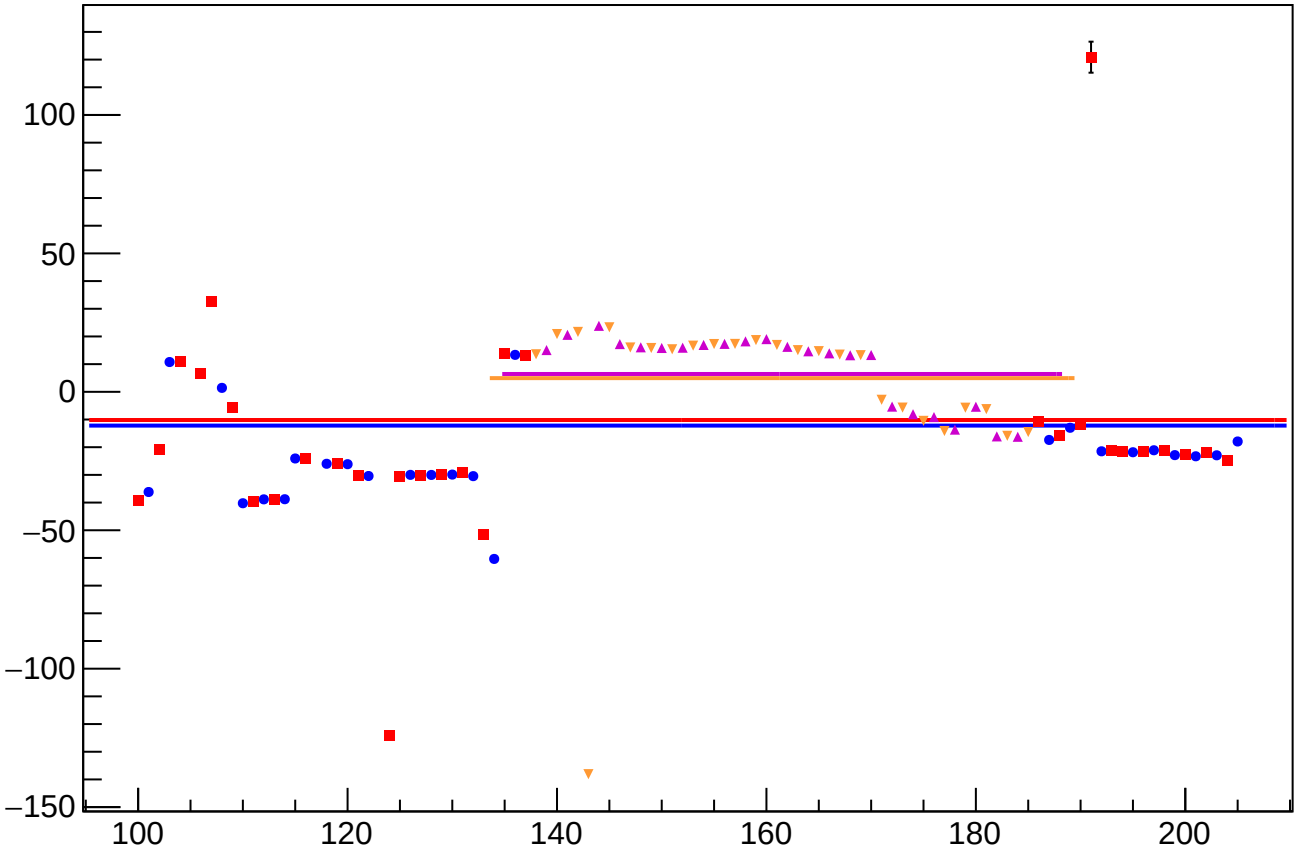
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.664+/-0.312 χ^2/NDF: 3316.4/49

All: 4.284+/-0.221 χ^2/NDF: 6385.4/102

- sign 3.899+/-0.314 χ^2/NDF: 3066.0/52

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.197+/-0.038 χ^2/NDF: 295307.7/24

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.180+/-0.037 χ^2/NDF: 273222.5/29

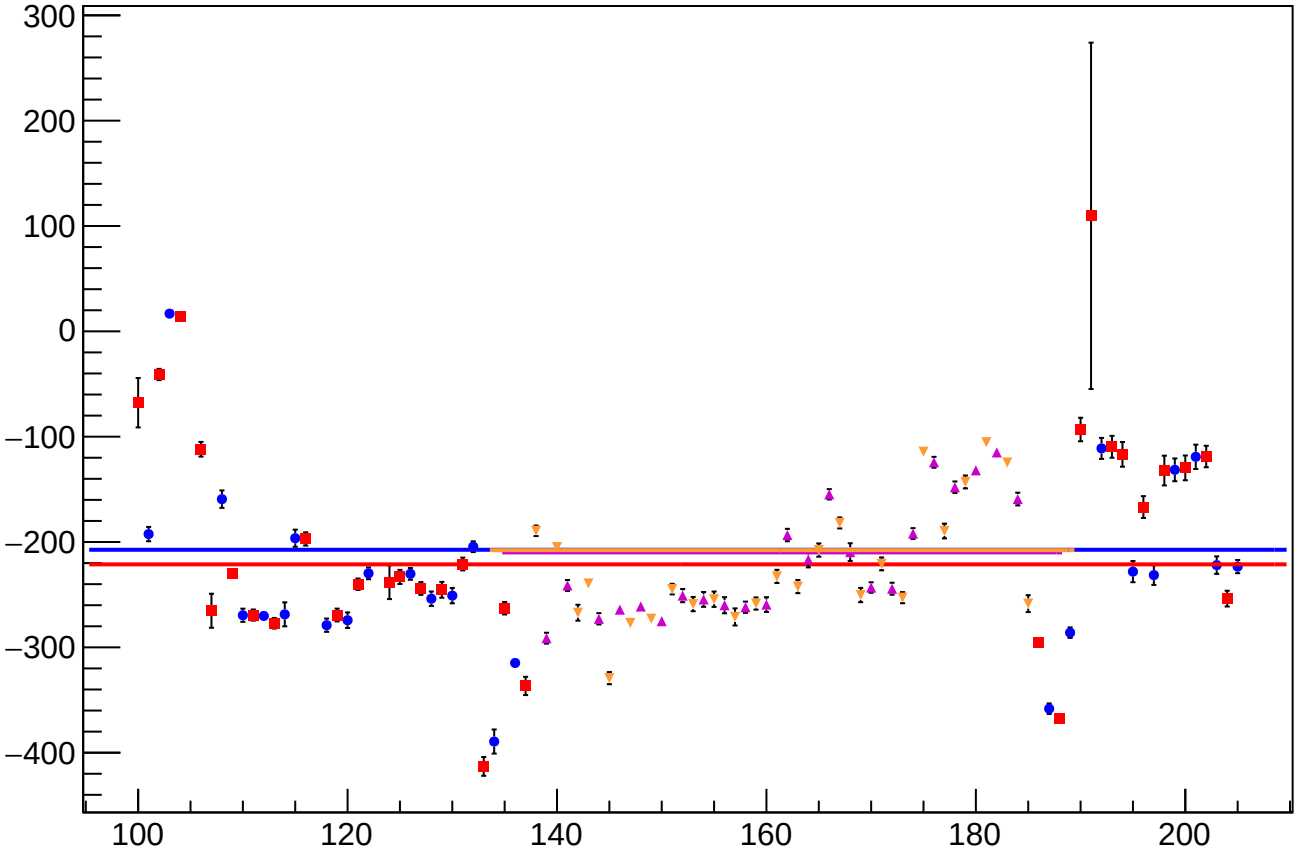
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.532+/-0.014 χ^2/NDF: 1610522.4/49

All: 3.267+/-0.010 χ^2/NDF: 2790969.7/102

- sign 4.009+/-0.014 χ^2/NDF: 1174985.5/52

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -207.360+/-1.227 χ^2/NDF: 8735.0/24

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.212+/-1.111 χ^2/NDF: 12187.9/29

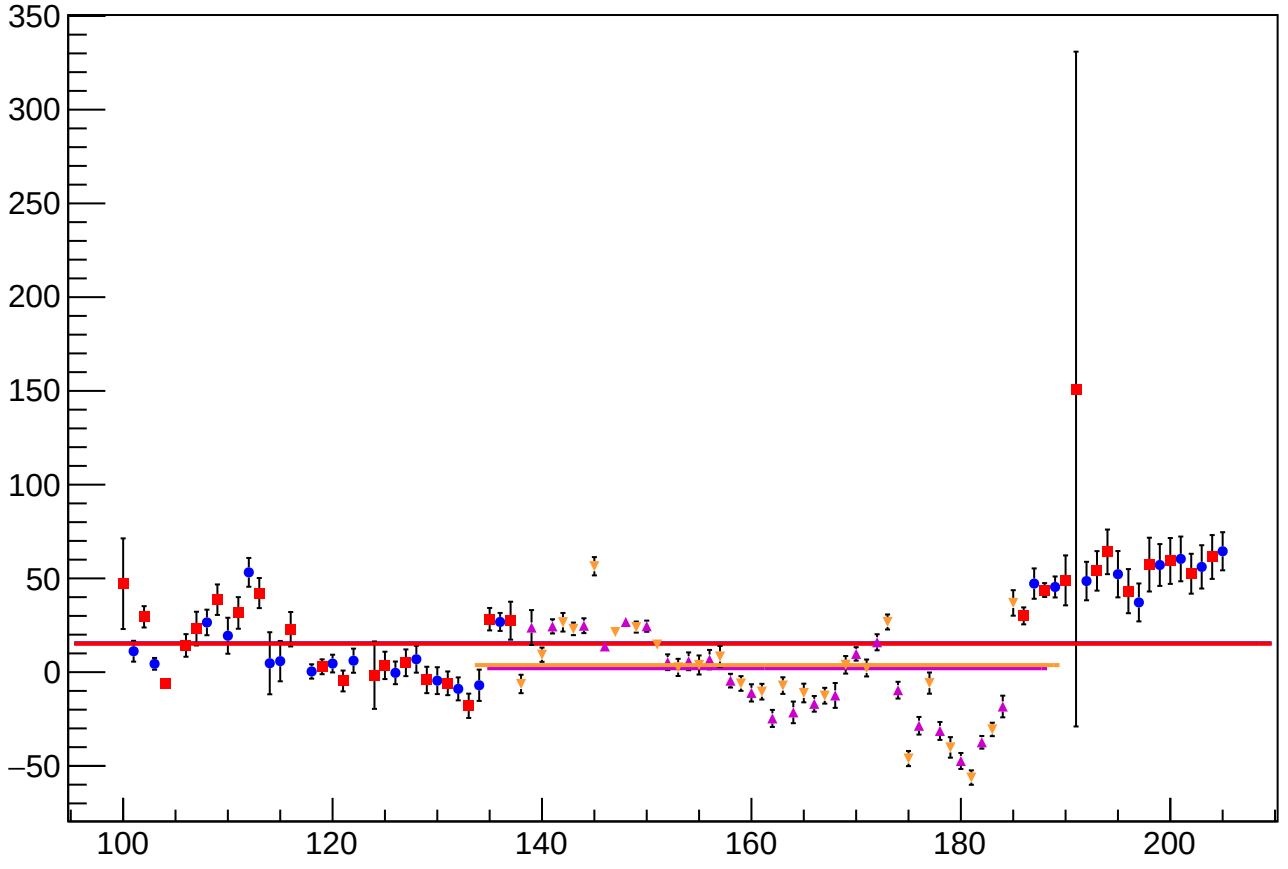
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.578+/-0.806 χ^2/NDF: 12222.2/49

All: -211.655+/-0.561 χ^2/NDF: 27524.2/102

- sign -215.492+/-0.782 χ^2/NDF: 15252.3/52

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.396+/-1.303 χ^2/NDF: 240.6/24

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 15.180+/-1.176 χ^2/NDF: 353.0/29

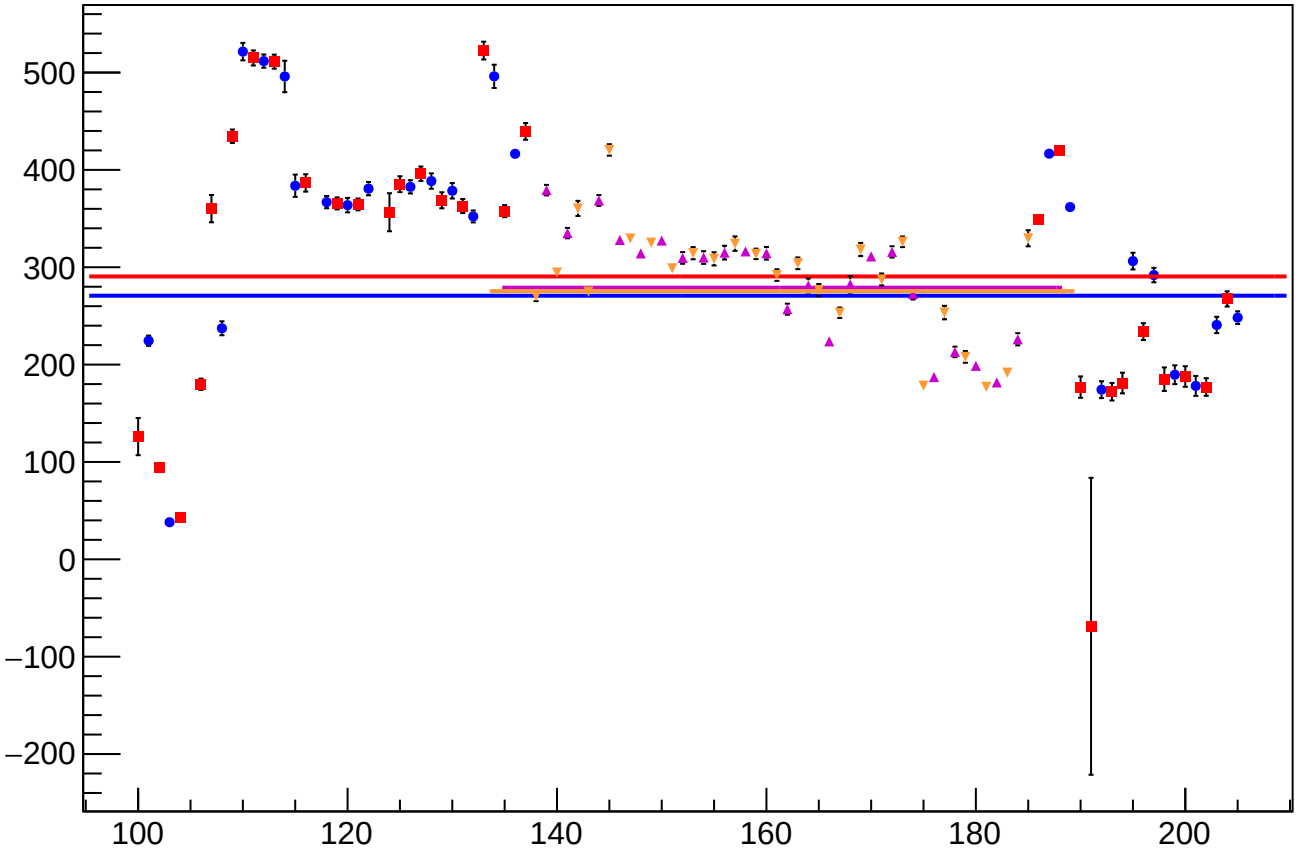
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 6.878+/-0.674 χ^2/NDF: 1271.0/49

All: 6.621+/-0.476 χ^2/NDF: 2478.0/102

\- sign 6.365+/-0.673 χ^2/NDF: 1206.7/52

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 270.769+/-1.183 χ^2/NDF: 17606.9/24

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.547+/-1.040 χ^2/NDF: 21889.3/29

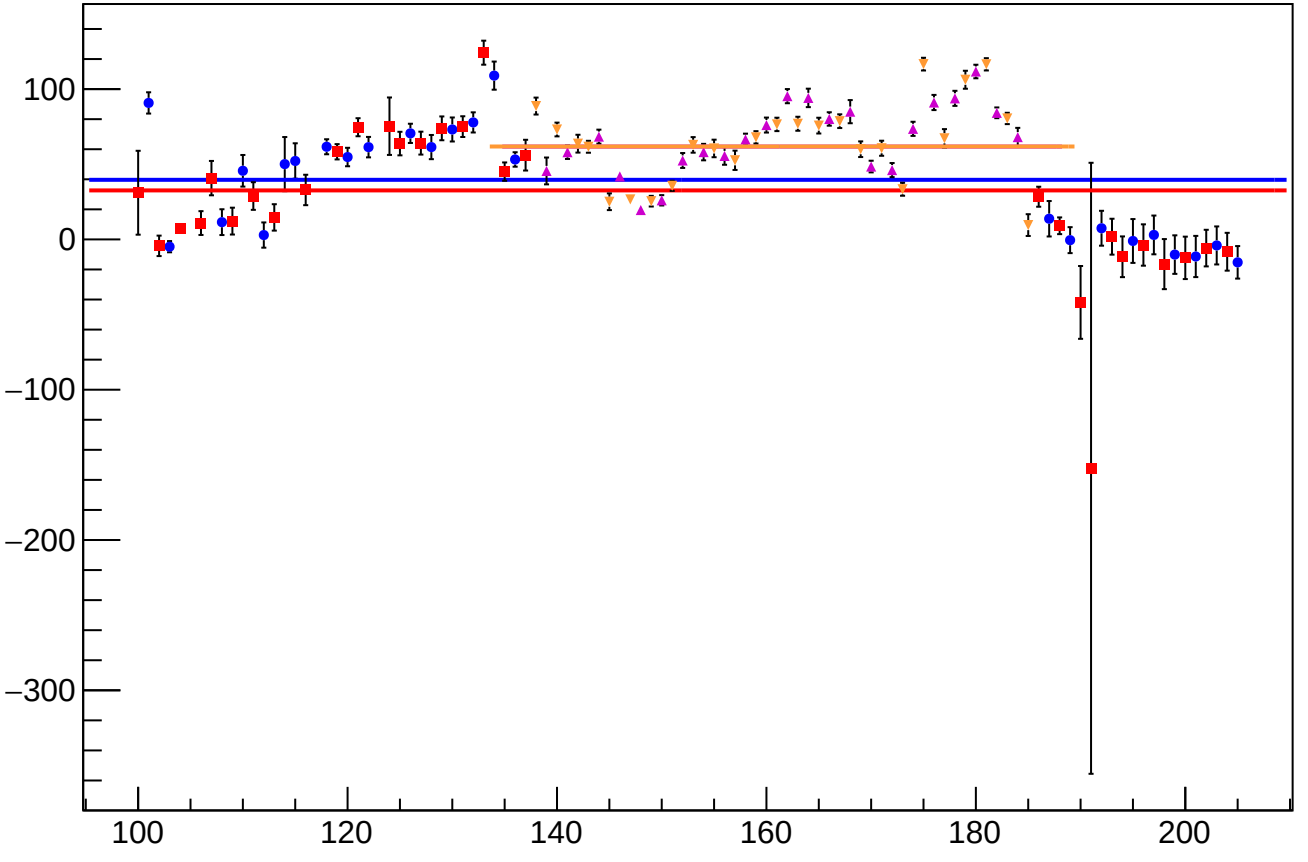
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 273.408+/-0.790 χ^2/NDF: 20939.0/49

All: 279.508+/-0.545 χ^2/NDF: 46115.5/102

- sign 285.034+/-0.752 χ^2/NDF: 25062.9/52

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 39.651+/-1.535 χ^2/NDF: 522.1/24

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 32.602+/-1.431 χ^2/NDF: 525.1/29

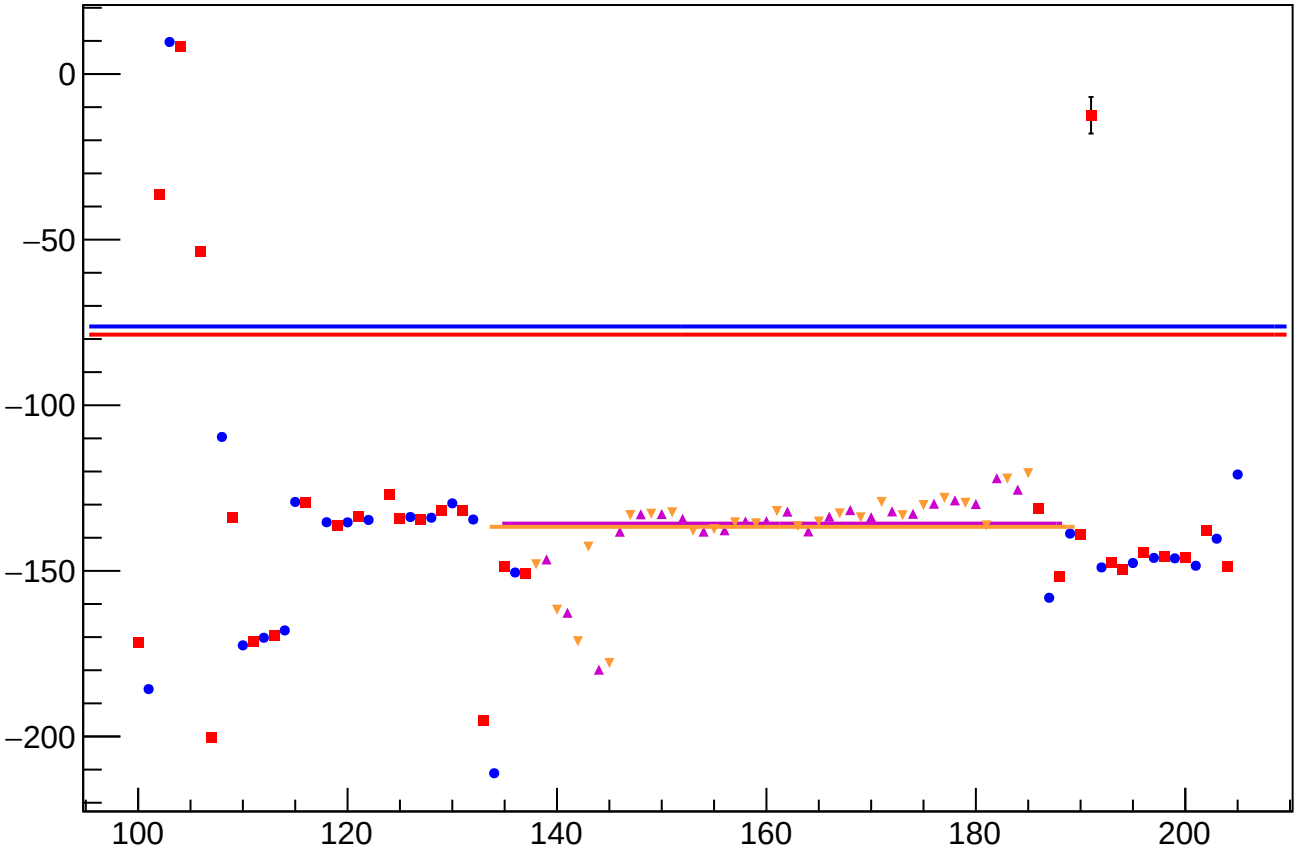
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 56.076+/-0.781 χ^2/NDF: 1636.1/49

All: 54.538+/-0.554 χ^2/NDF: 3195.5/102

- sign 52.987+/-0.785 χ^2/NDF: 1551.6/52

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -76.214+/-0.065 χ^2/NDF: 1508766.8/24

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -78.671+/-0.065 χ^2/NDF: 1210367.3/29

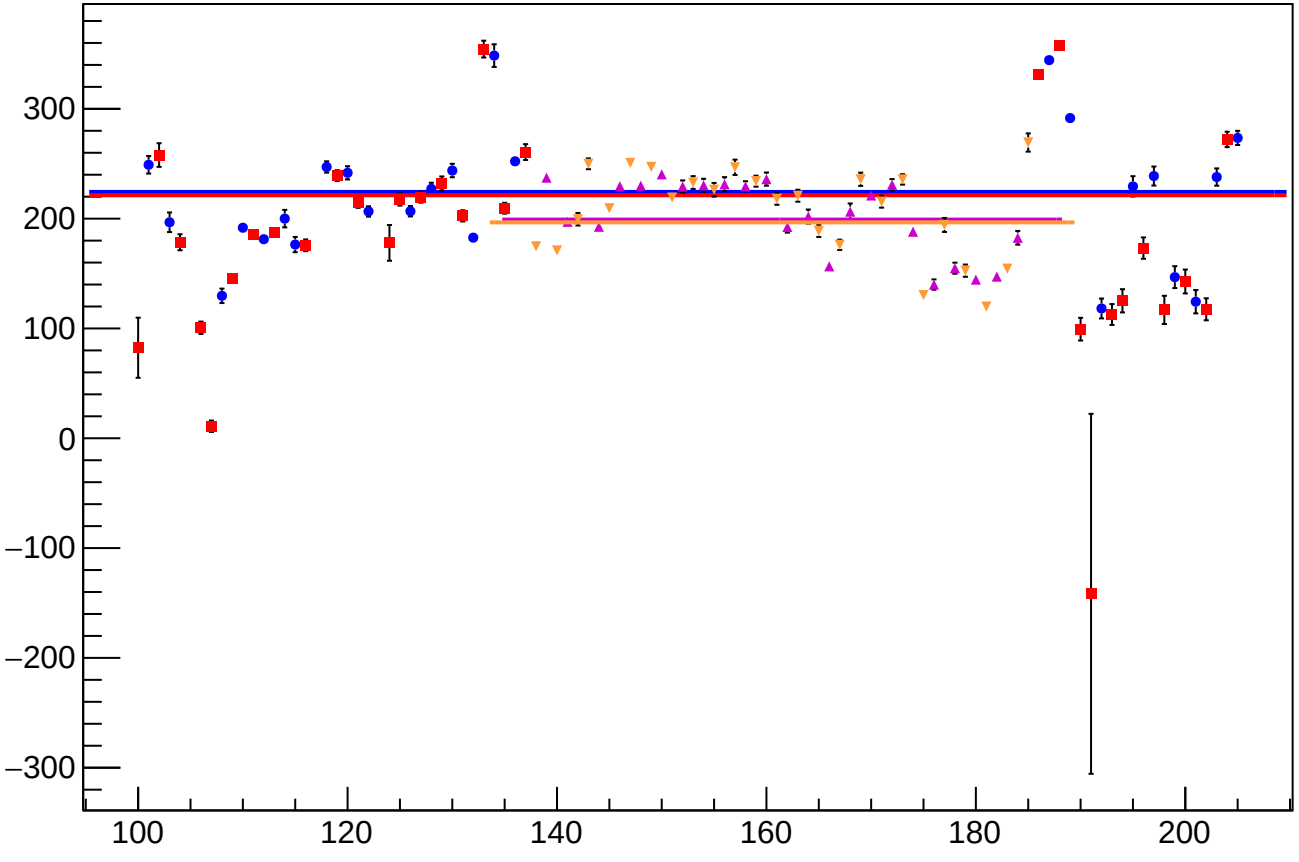
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.664+/-0.035 χ^2/NDF: 2198790.8/49

All: -118.512+/-0.025 χ^2/NDF: 4014475.1/10

- sign -118.359+/-0.036 χ^2/NDF: 1815647.5/52

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 224.320+/-1.126 χ^2/NDF: 2163.5/24

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.304+/-0.988 χ^2/NDF: 8143.3/29

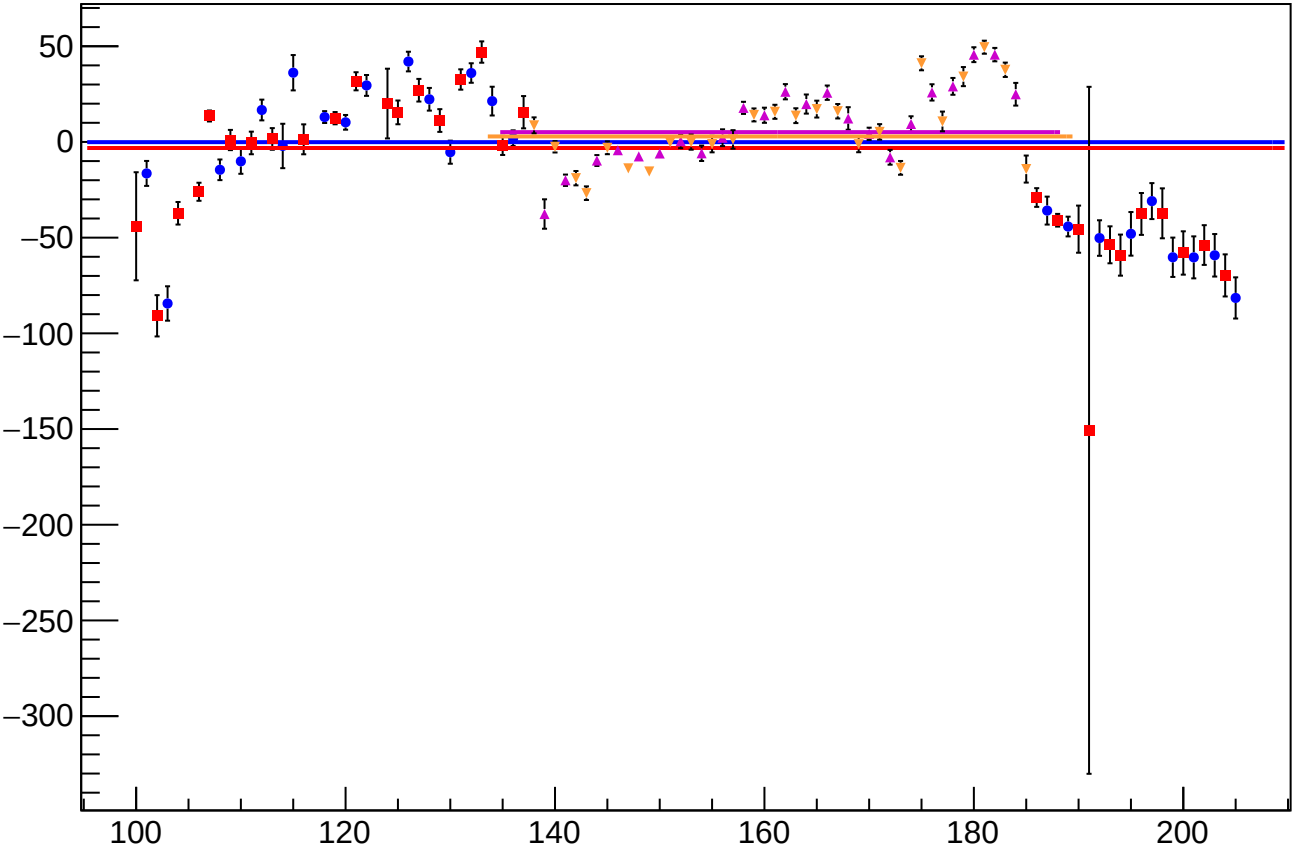
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 208.083+/-0.724 χ^2/NDF: 4593.7/49

All: 209.115+/-0.501 χ^2/NDF: 14290.8/102

- sign 210.059+/-0.693 χ^2/NDF: 9693.2/52

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.111+/-1.209 χ^2/NDF: 629.1/24

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.165+/-1.075 χ^2/NDF: 738.1/29

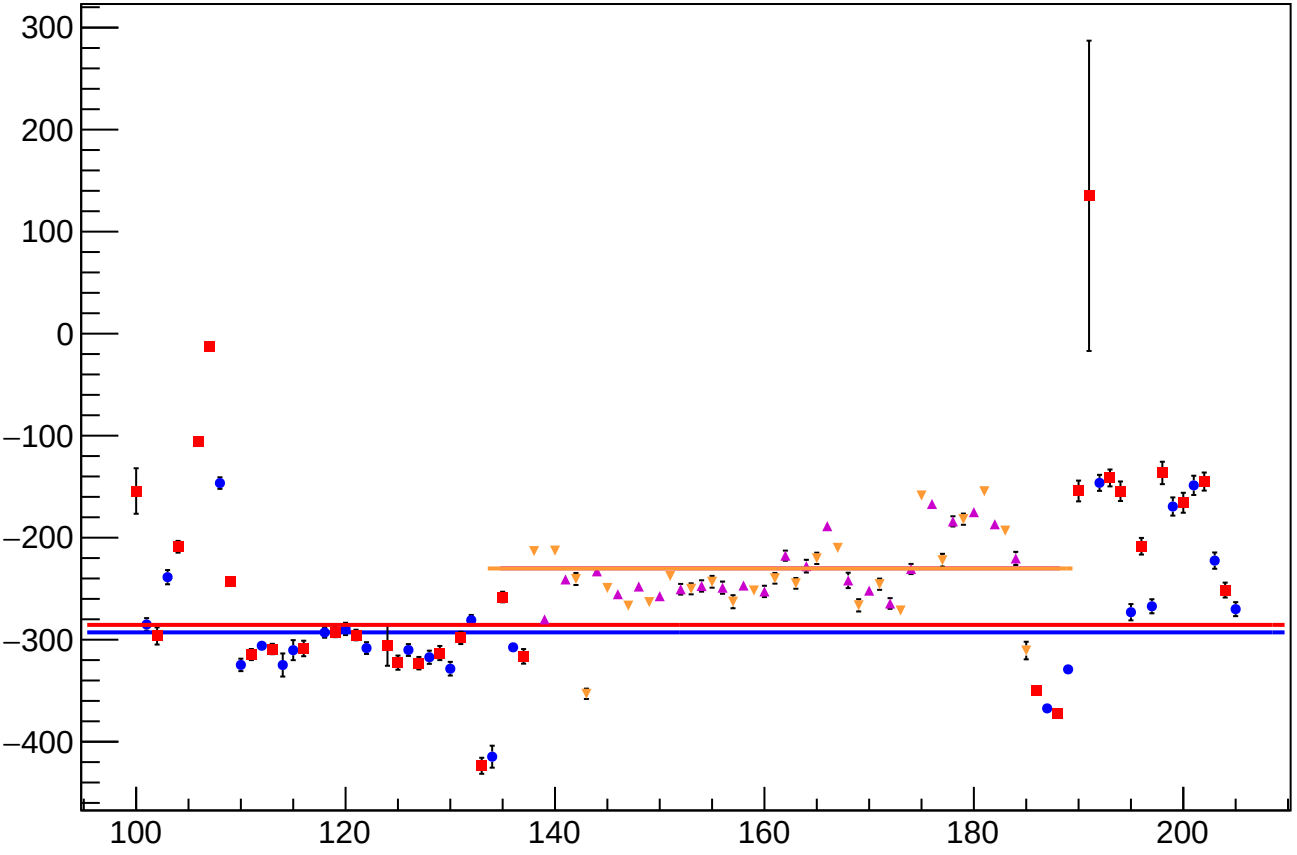
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 2.133+/-0.601 χ^2/NDF: 1386.4/49

All: 2.352+/-0.424 χ^2/NDF: 2794.6/102

- sign 2.569+/-0.597 χ^2/NDF: 1407.9/52

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.827+/-1.178 χ^2/NDF: 2362.3/24

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -285.488+/-0.997 χ^2/NDF: 9906.9/29

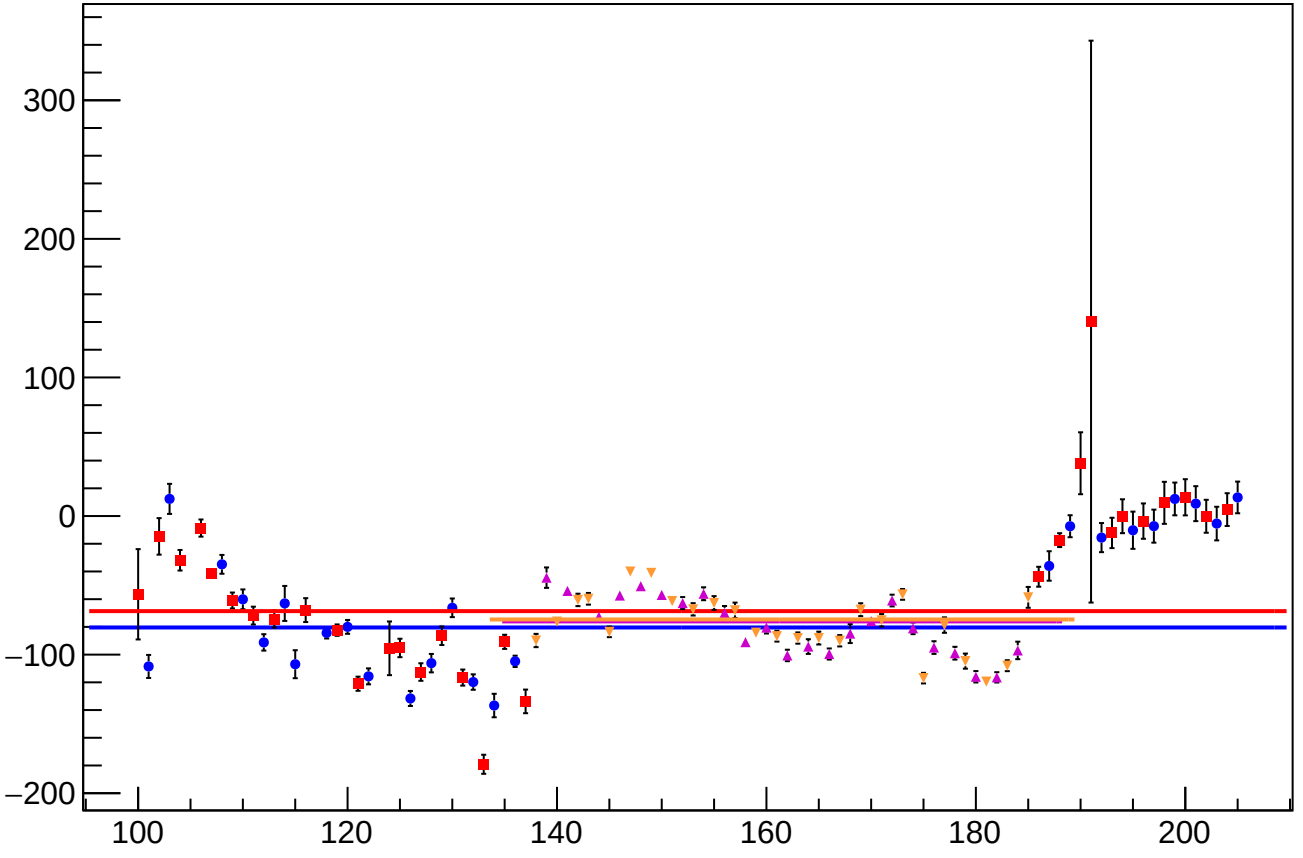
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -254.514+/-0.734 χ^2/NDF: 6273.1/49

All: -255.696+/-0.504 χ^2/NDF: 18881.8/102

- sign -256.745+/-0.692 χ^2/NDF: 12603.8/52

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -80.413+/-1.416 χ^2/NDF: 849.1/24

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -68.615+/-1.291 χ^2/NDF: 1148.4/29

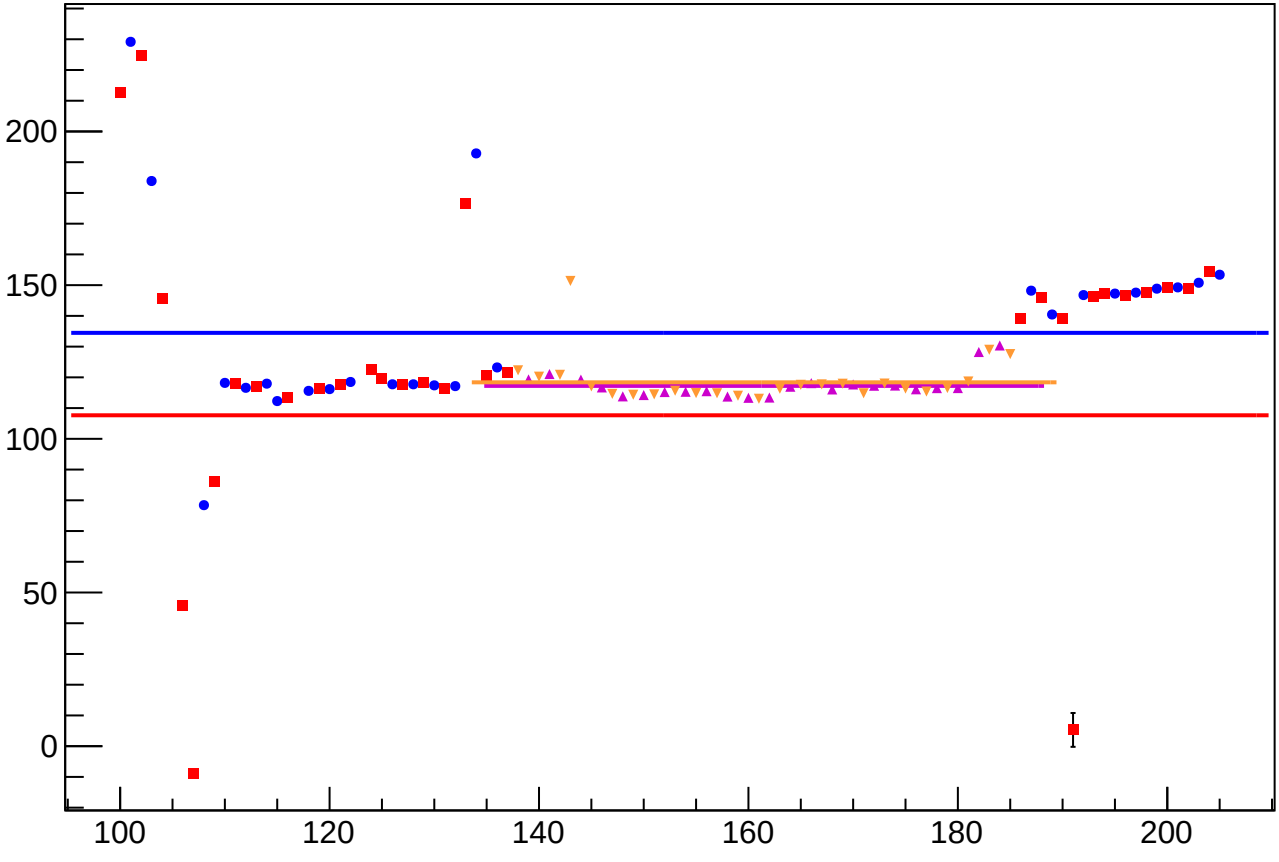
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.042+/-0.697 χ^2/NDF: 1692.7/49

All: -74.957+/-0.492 χ^2/NDF: 3515.4/102

- sign -73.879+/-0.695 χ^2/NDF: 1817.9/52

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 134.478+/-0.074 χ^2/NDF: 197802.5/24

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 107.659+/-0.066 χ^2/NDF: 750783.4/29

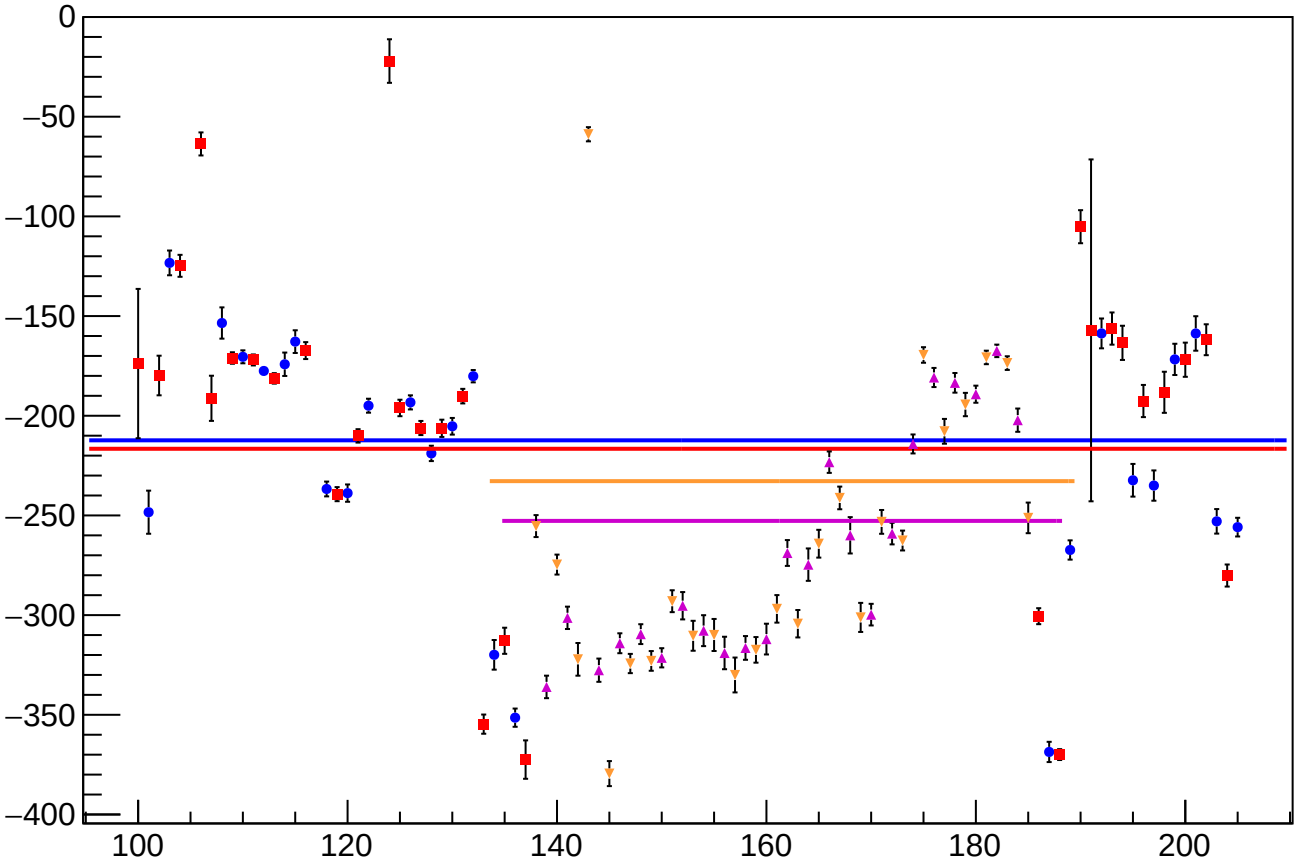
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.616+/-0.033 χ^2/NDF: 270199.9/49

All: 118.201+/-0.023 χ^2/NDF: 1067538.2/102

- sign 114.906+/-0.033 χ^2/NDF: 776702.1/52

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -212.324+/-0.918 χ^2/NDF: 3479.7/24

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.567+/-0.851 χ^2/NDF: 7665.3/29

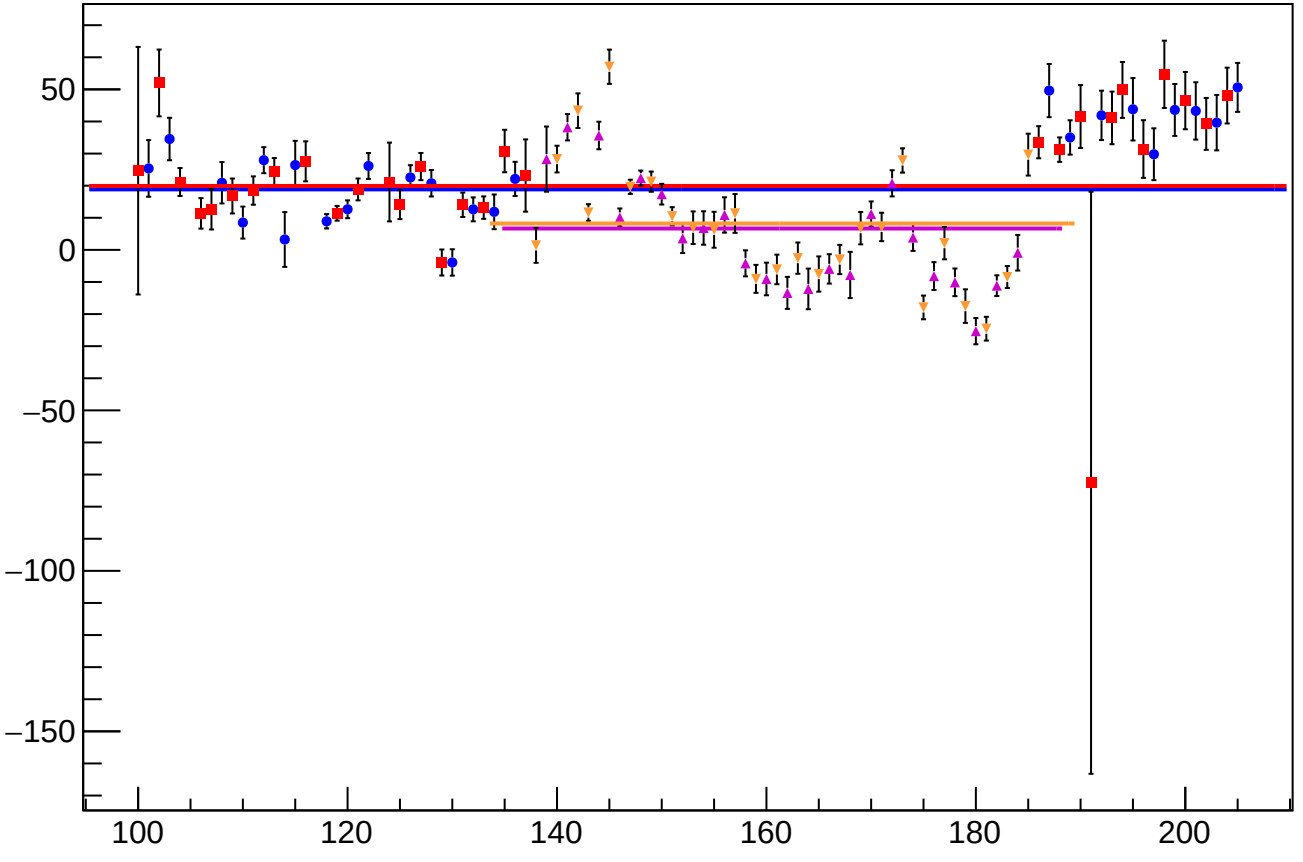
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.987+/-0.697 χ^2/NDF: 9454.2/49

All: -225.424+/-0.487 χ^2/NDF: 20765.7/102

- sign -229.644+/-0.680 χ^2/NDF: 11232.5/52

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.848+/-0.970 χ^2/NDF: 165.0/24

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.914+/-0.936 χ^2/NDF: 156.8/29

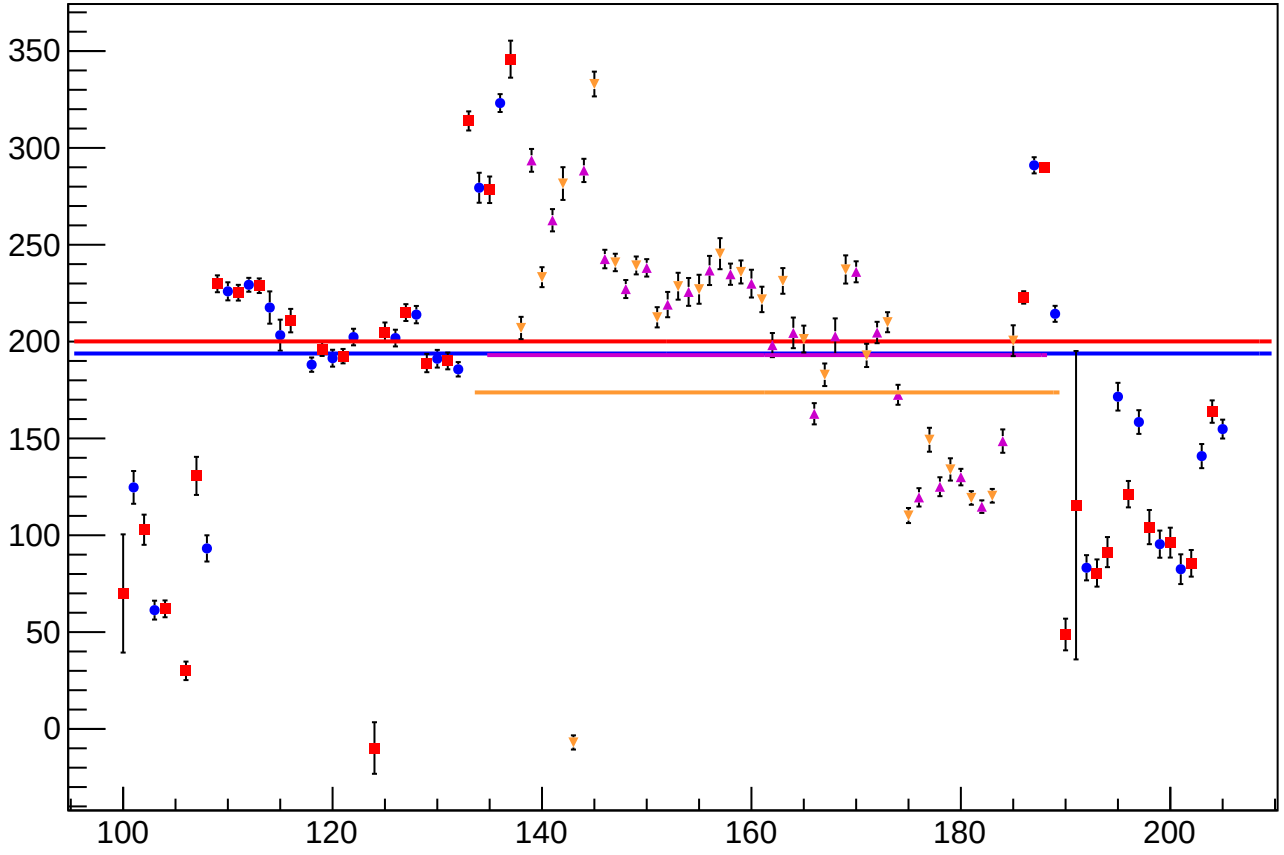
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 12.540+/-0.619 χ^2/NDF: 694.1/49

All: 12.623+/-0.442 χ^2/NDF: 1314.7/102

- sign 12.710+/-0.633 χ^2/NDF: 620.5/52

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 193.849+/-1.005 χ^2/NDF: 3568.4/24

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 200.095+/-0.908 χ^2/NDF: 7111.3/29

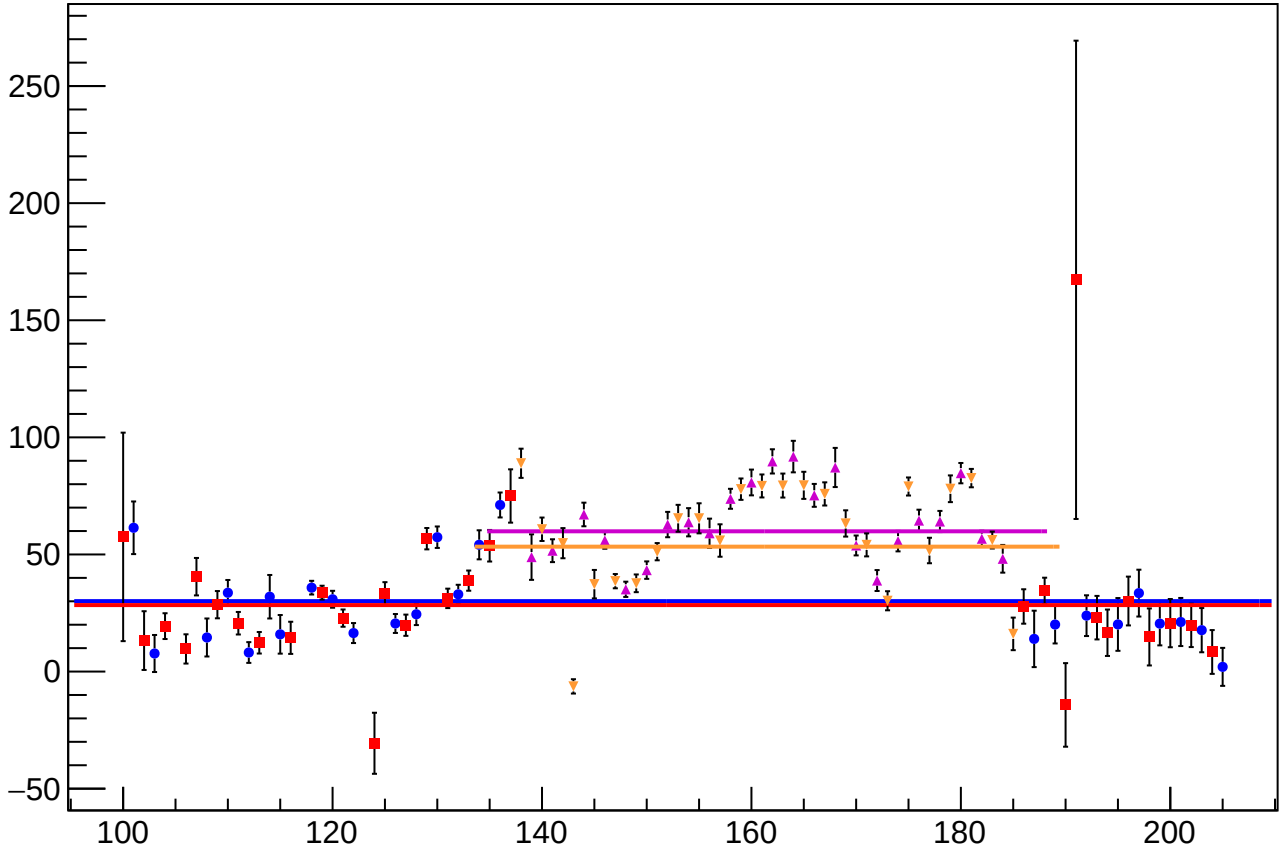
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 184.418+/-0.732 χ^2/NDF: 9016.8/49

All: 191.092+/-0.508 χ^2/NDF: 18824.5/102

- sign 197.297+/-0.706 χ^2/NDF: 9647.2/52

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 30.077+/-1.135 χ^2/NDF: 199.2/24

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.383+/-1.103 χ^2/NDF: 159.2/29

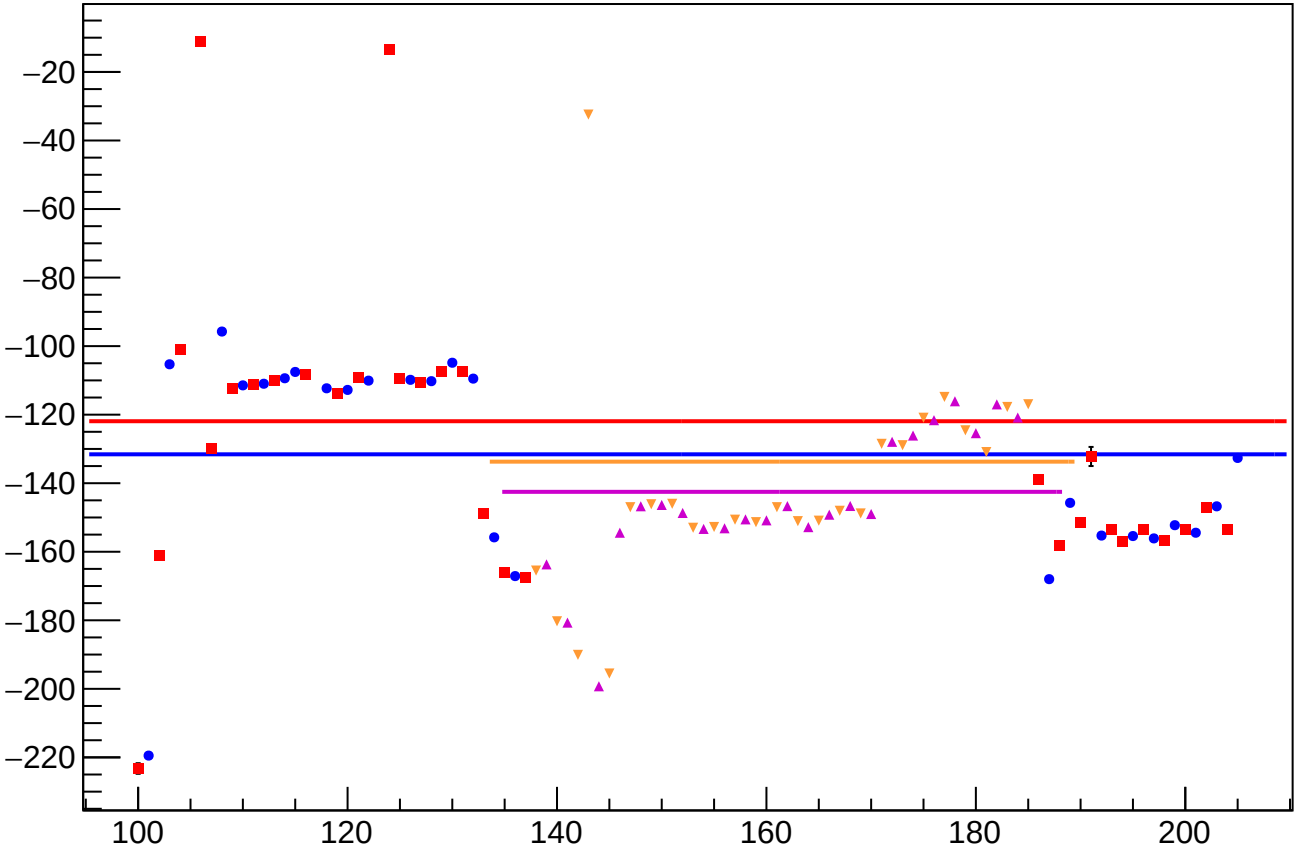
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.088+/-0.715 χ^2/NDF: 1231.1/49

All: 45.042+/-0.511 χ^2/NDF: 2102.3/102

- sign 46.039+/-0.731 χ^2/NDF: 867.6/52

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.569+/-0.064 χ^2/NDF: 172925.1/24

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.913+/-0.061 χ^2/NDF: 495524.4/29

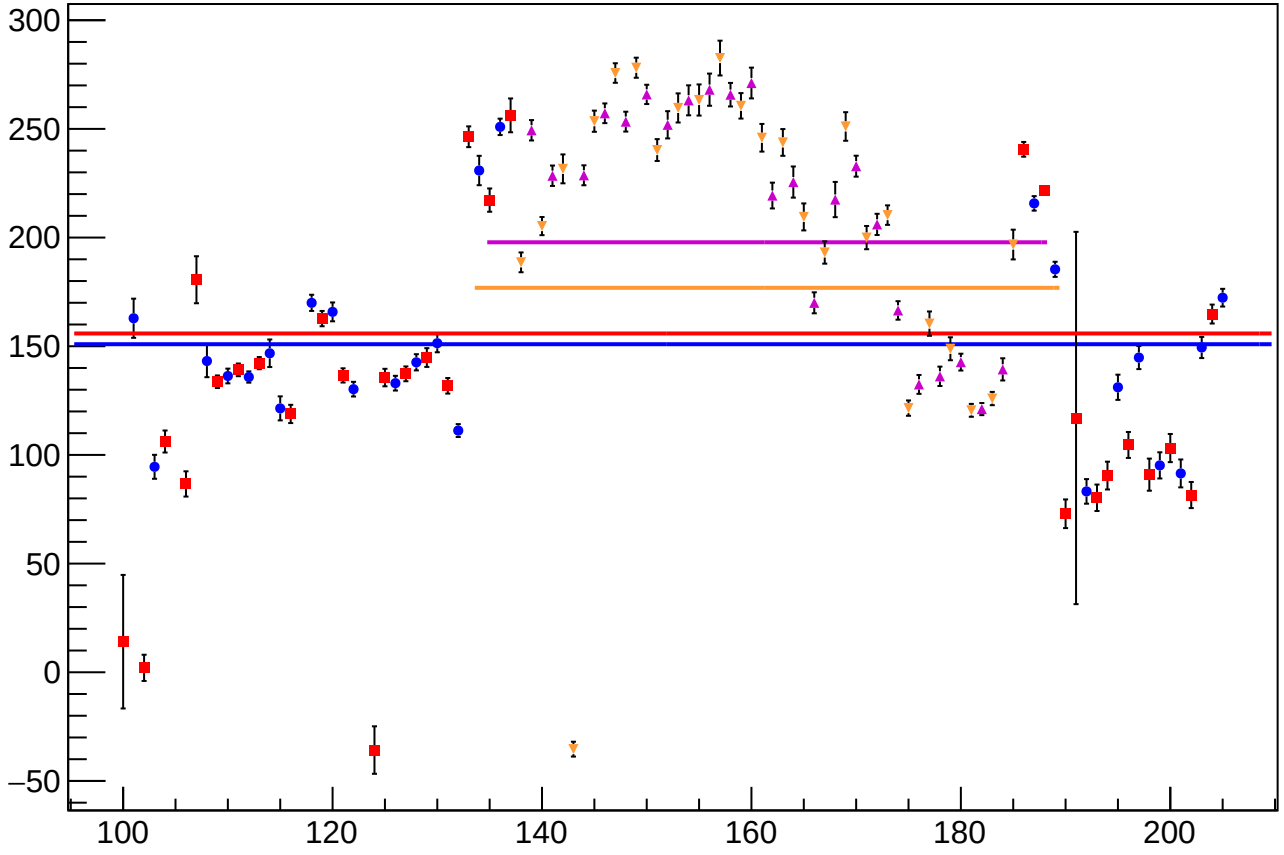
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.050+/-0.036 χ^2/NDF: 849619.7/49

All: -134.178+/-0.025 χ^2/NDF: 1600845.6/10

- sign -135.318+/-0.036 χ^2/NDF: 749210.3/52

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 150.932+/-0.840 χ^2/NDF: 2149.3/24

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.874+/-0.764 χ^2/NDF: 4998.8/29

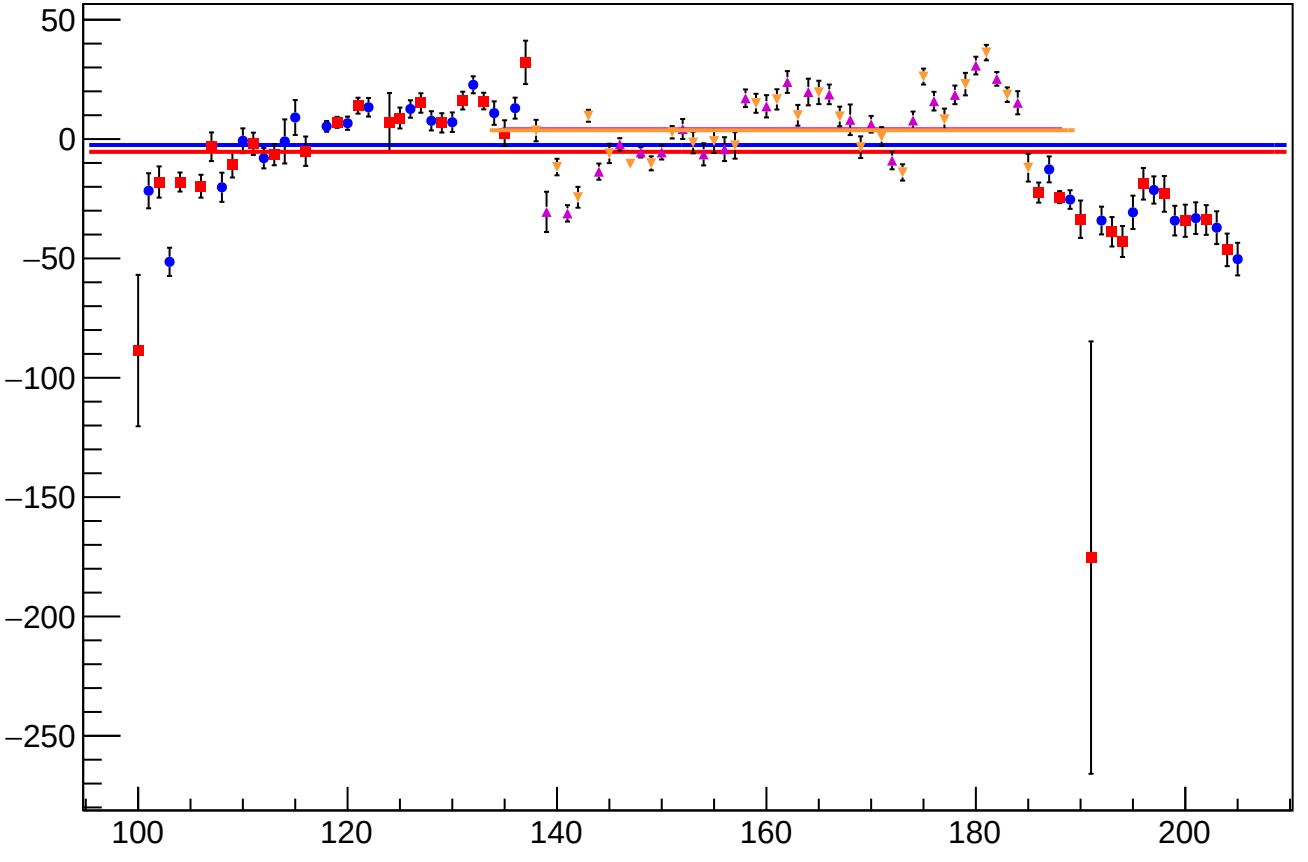
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

\+ sign 162.221+/-0.632 χ^2/NDF: 9989.1/49

All: 166.890+/-0.438 χ^2/NDF: 19163.8/102

\- sign 171.226+/-0.609 χ^2/NDF: 9069.3/52

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.487+/-0.901 χ^2/NDF: 442.6/24

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -5.349+/-0.855 χ^2/NDF: 467.9/29

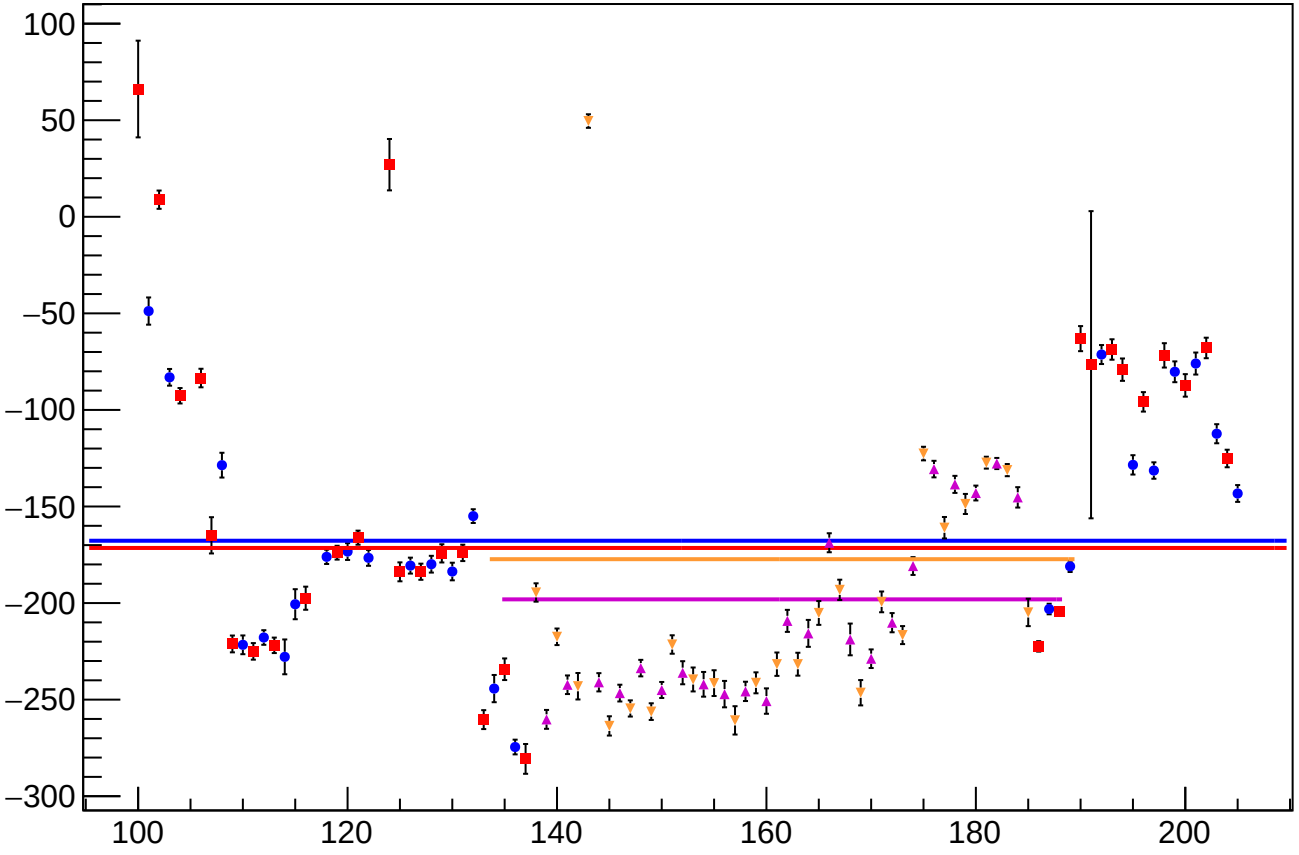
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 1.280+/-0.564 χ^2/NDF: 872.3/49

All: 0.587+/-0.402 χ^2/NDF: 1809.8/102

- sign -0.125+/-0.572 χ^2/NDF: 934.5/52

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -167.731+/-0.878 χ^2/NDF: 3408.2/24

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -171.470+/-0.767 χ^2/NDF: 6595.1/29

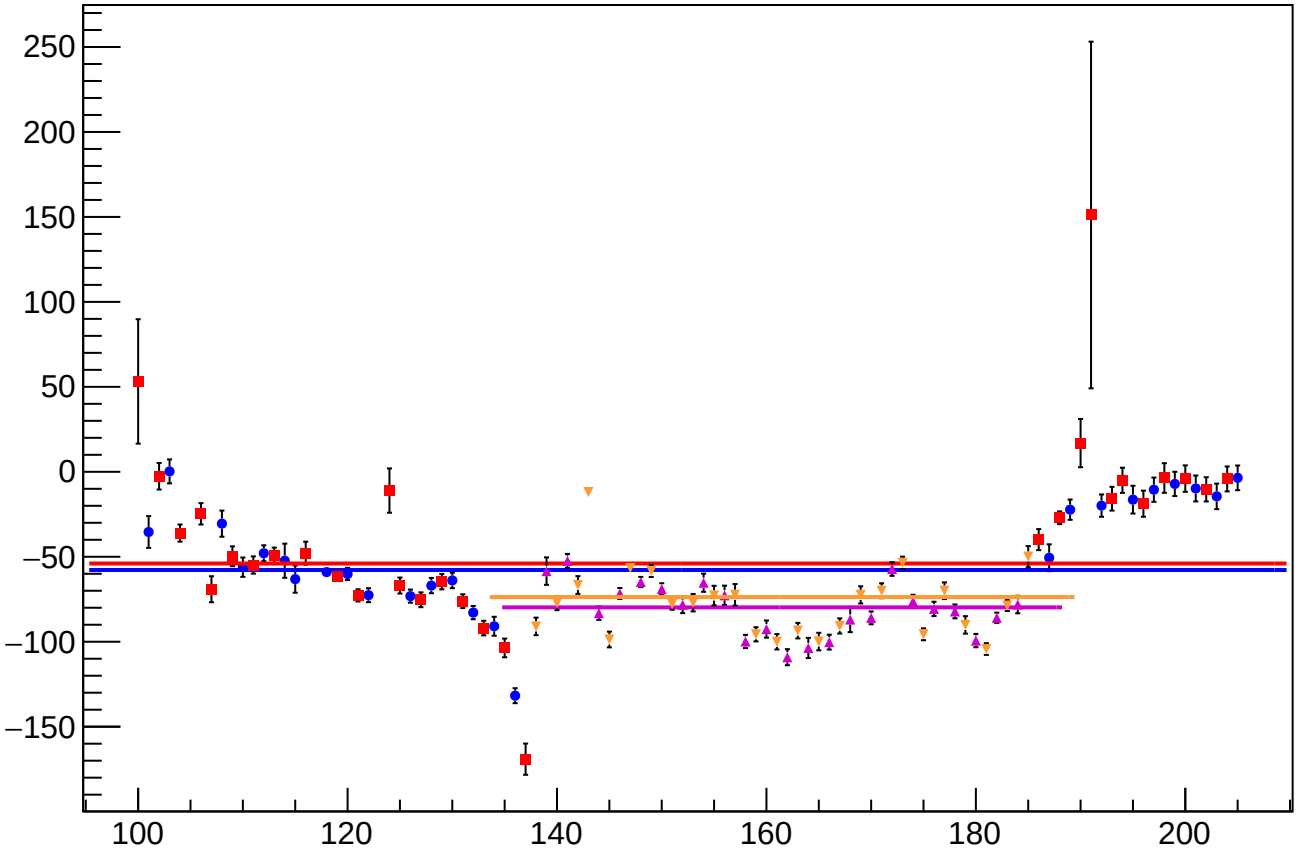
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -172.100+/-0.647 χ^2/NDF: 10502.4/49

All: -176.992+/-0.443 χ^2/NDF: 20037.8/102

- sign -181.326+/-0.609 χ^2/NDF: 9427.4/52

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -57.772+/-1.059 χ^2/NDF: 803.1/24

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -53.963+/-1.020 χ^2/NDF: 858.2/29

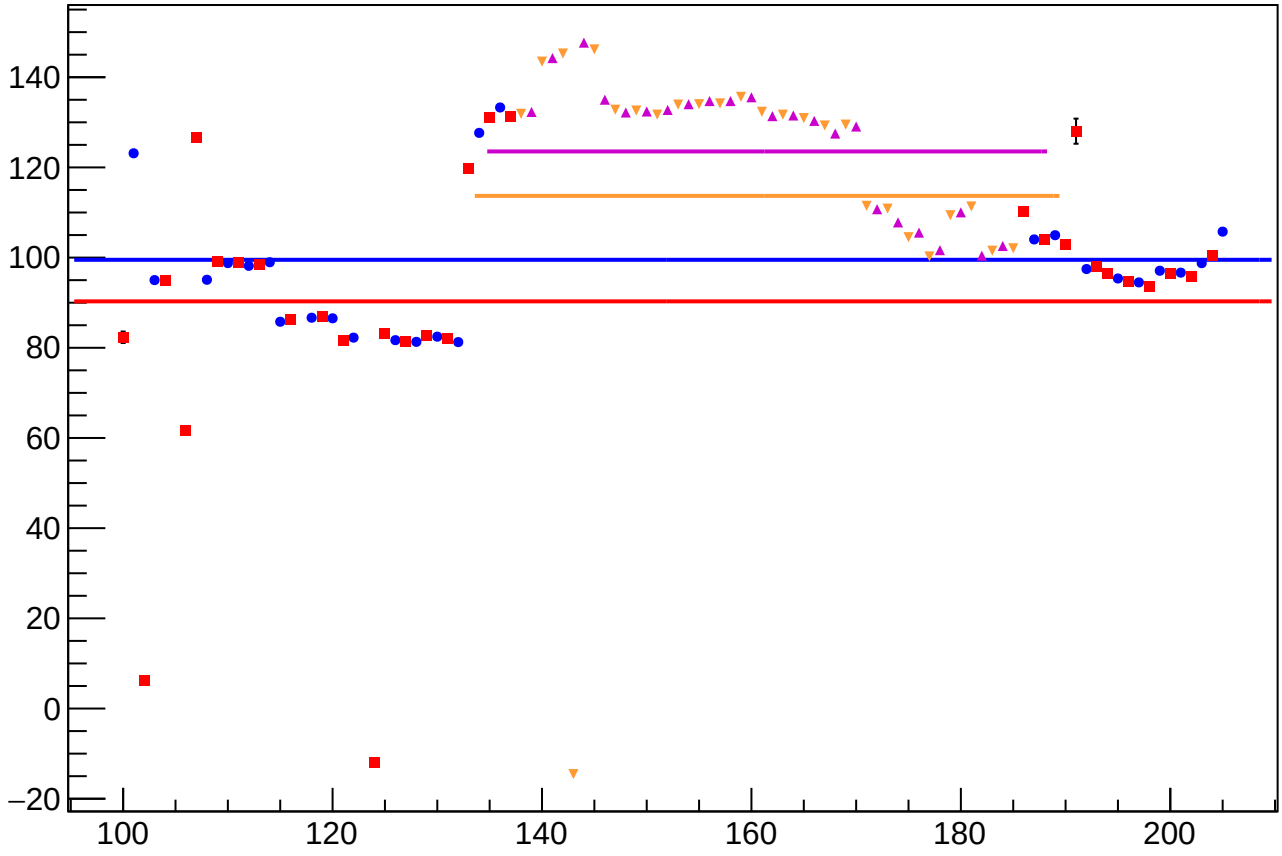
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -67.650+/-0.653 χ^2/NDF: 1783.2/49

All: -68.242+/-0.465 χ^2/NDF: 3289.3/102

- sign -68.854+/-0.664 χ^2/NDF: 1504.5/52

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.513+/-0.056 χ^2/NDF: 69568.0/24

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.297+/-0.052 χ^2/NDF: 284541.1/29

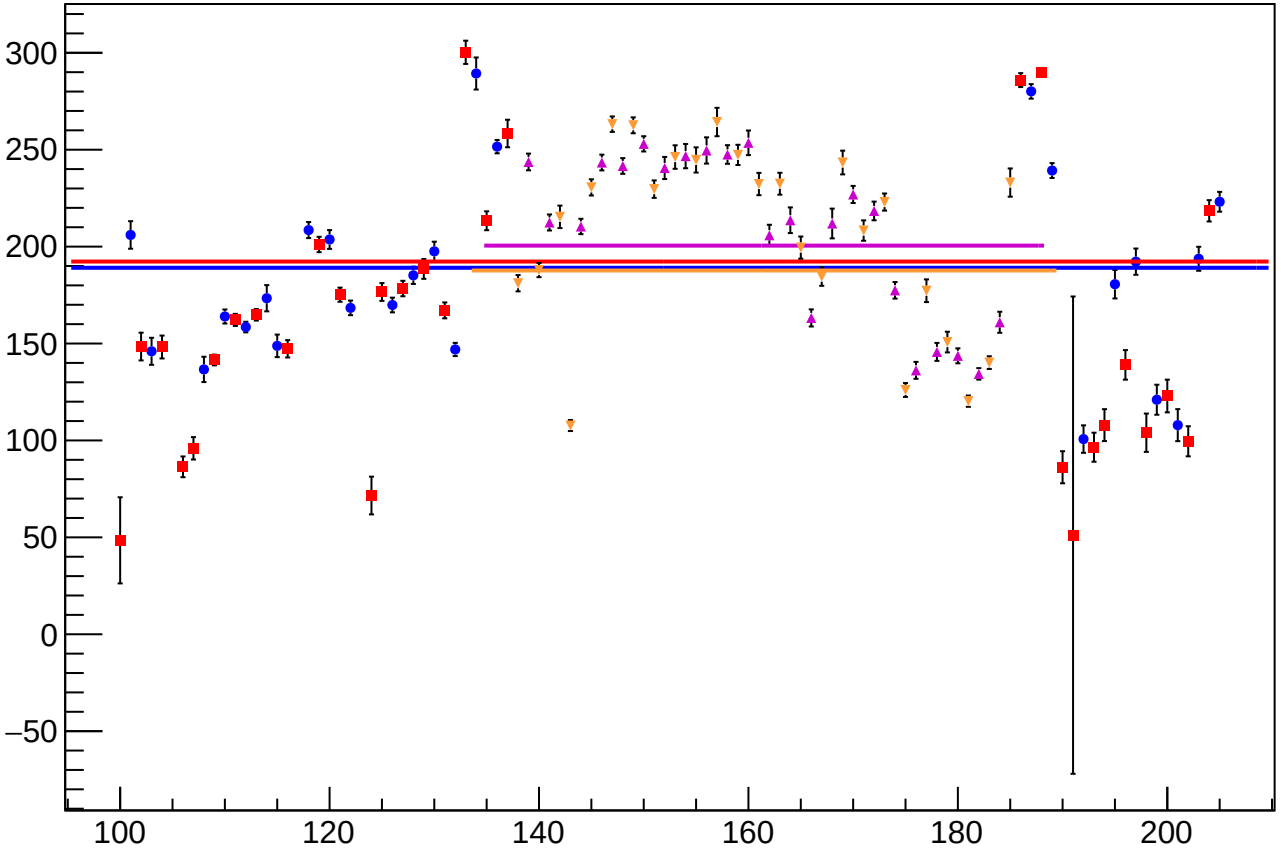
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.117+/-0.032 χ^2/NDF: 1076743.7/49

All: 110.196+/-0.022 χ^2/NDF: 1758093.0/102

- sign 111.268+/-0.031 χ^2/NDF: 679021.8/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

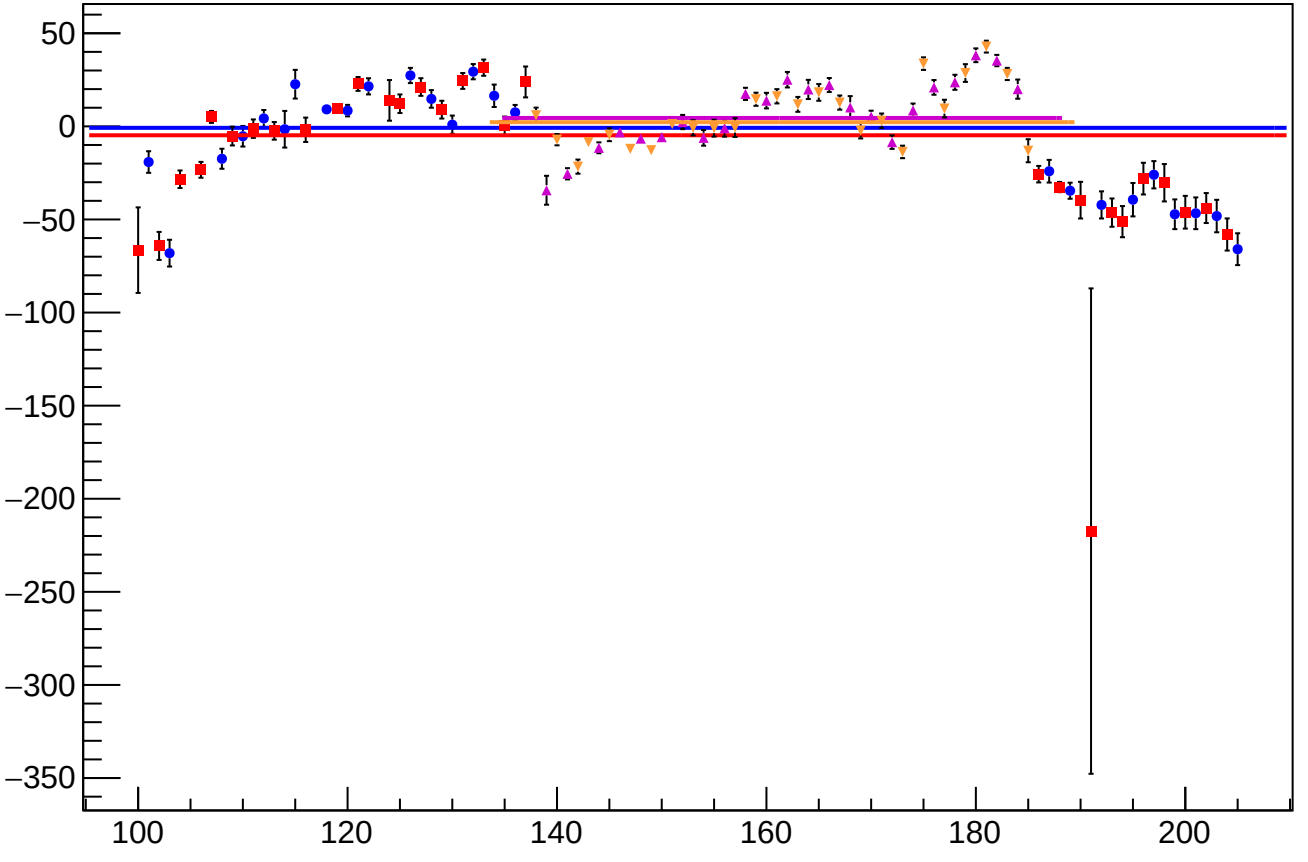
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.350+/-0.648 χ^2/NDF: 5718.6/49

All: 192.224+/-0.451 χ^2/NDF: 13936.6/102

- sign 195.869+/-0.629 χ^2/NDF: 8148.7/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

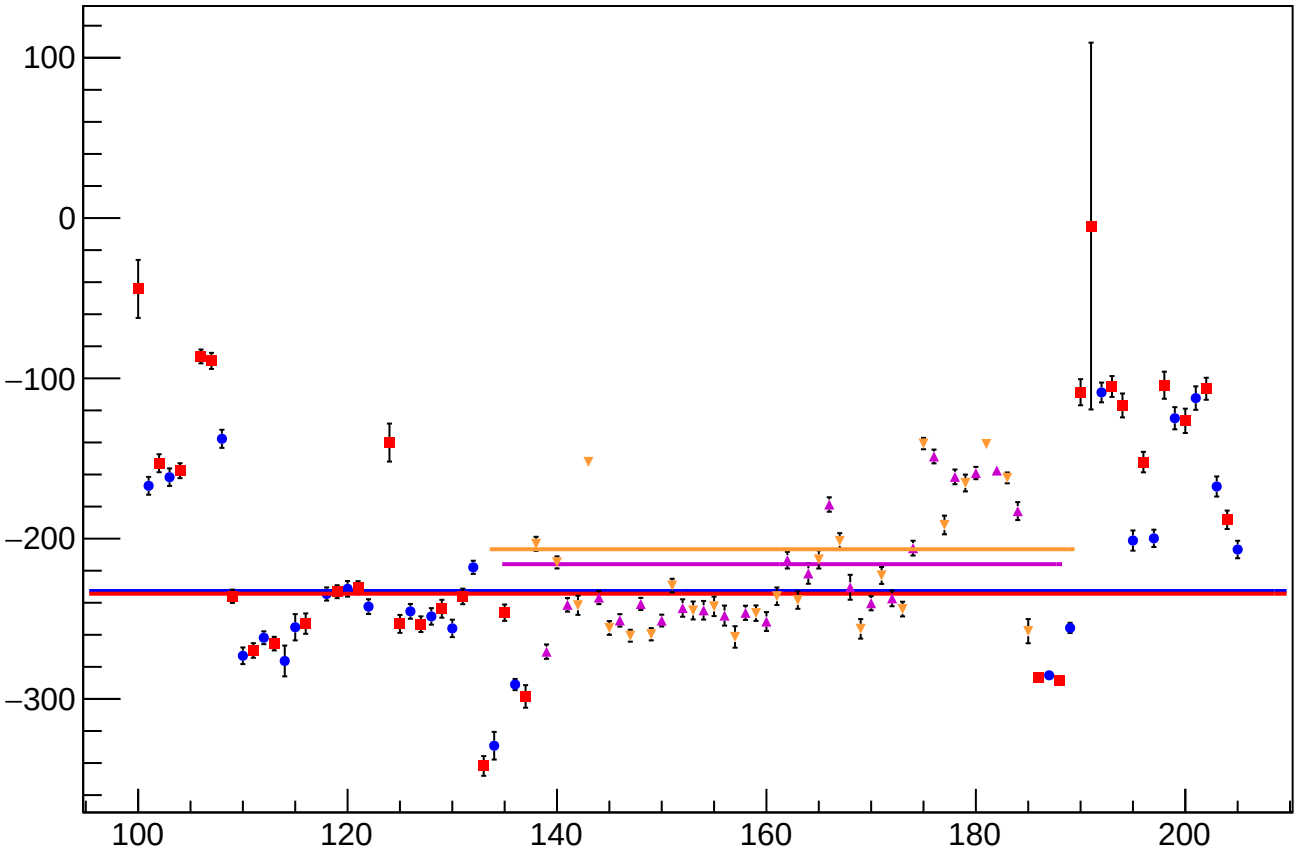
Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.320+/-0.554 χ^2/NDF: 1190.6/49

All: 1.175+/-0.395 χ^2/NDF: 2490.9/102

- sign 1.024+/-0.565 χ^2/NDF: 1300.2/52



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

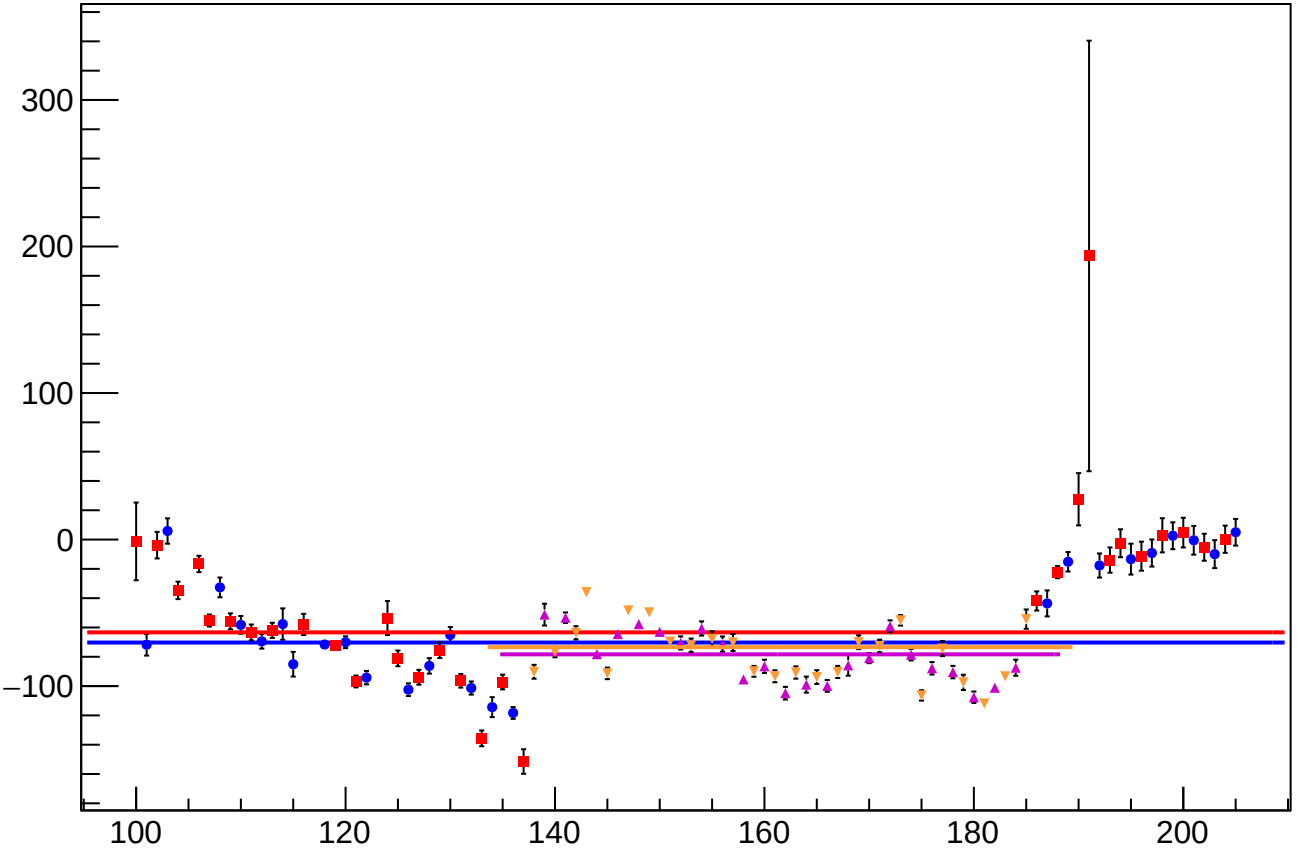
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.400+/-0.662 χ^2/NDF: 5495.2/49

All: -222.495+/-0.456 χ^2/NDF: 14112.9/102

- sign -226.199+/-0.630 χ^2/NDF: 8544.8/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

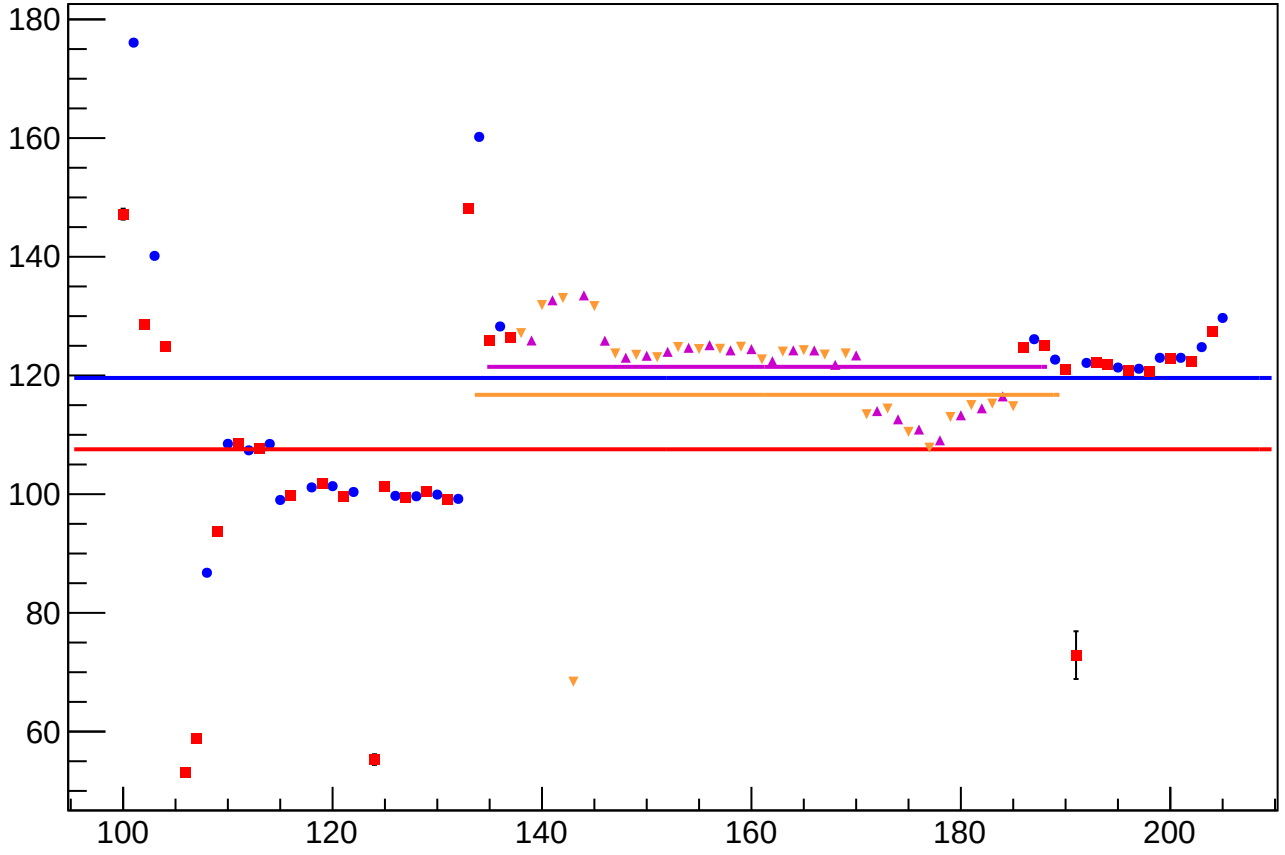
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.487+/-0.643 χ^2/NDF: 1697.6/49

All: -72.747+/-0.459 χ^2/NDF: 3327.5/102

- sign -73.019+/-0.657 χ^2/NDF: 1629.6/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

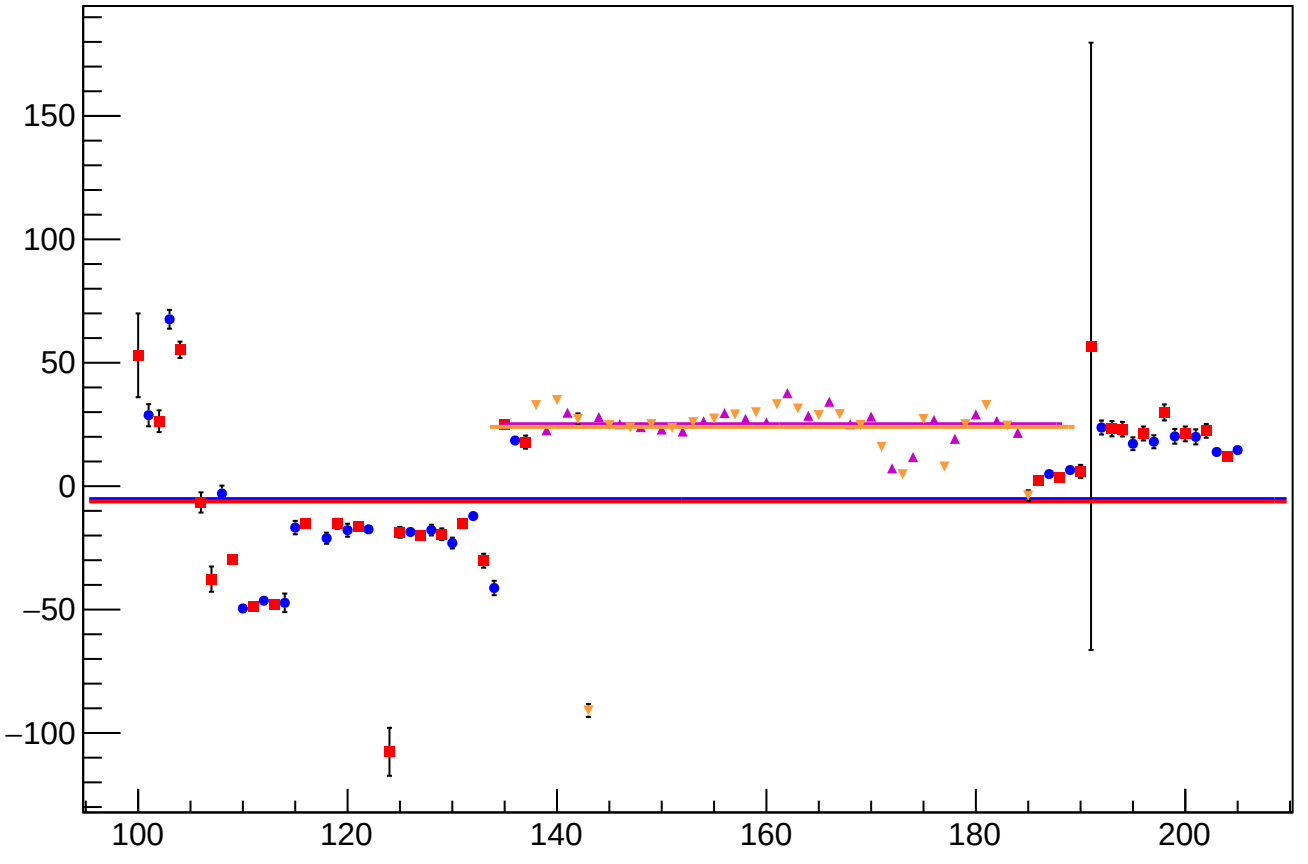
Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.435+/-0.031 χ^2/NDF: 302657.6/49

All: 117.366+/-0.022 χ^2/NDF: 577238.5/102

- sign 117.296+/-0.031 χ^2/NDF: 274571.1/52



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

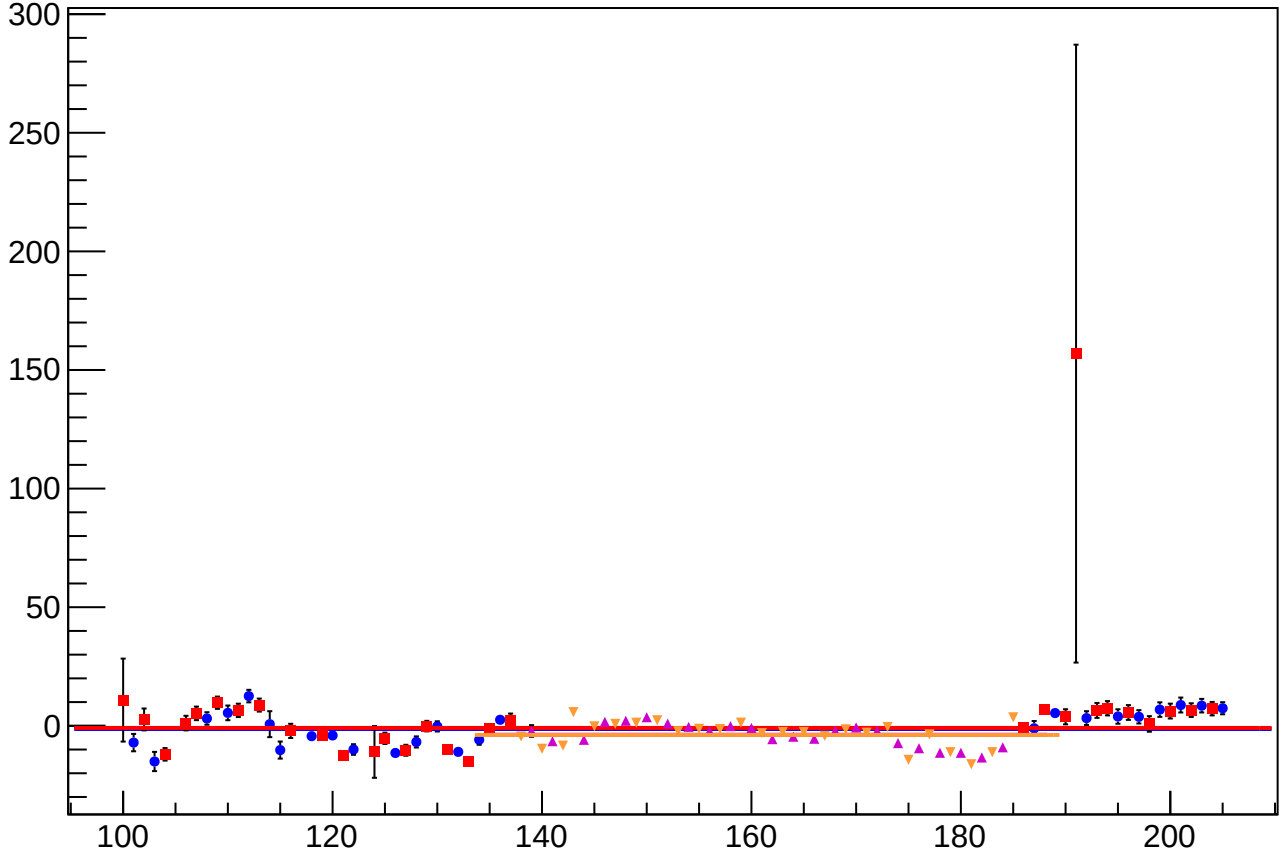
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.339+/-0.237 χ^2/NDF: 9203.1/49

All: 14.903+/-0.166 χ^2/NDF: 17191.6/102

- sign 14.477+/-0.233 χ^2/NDF: 7981.8/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

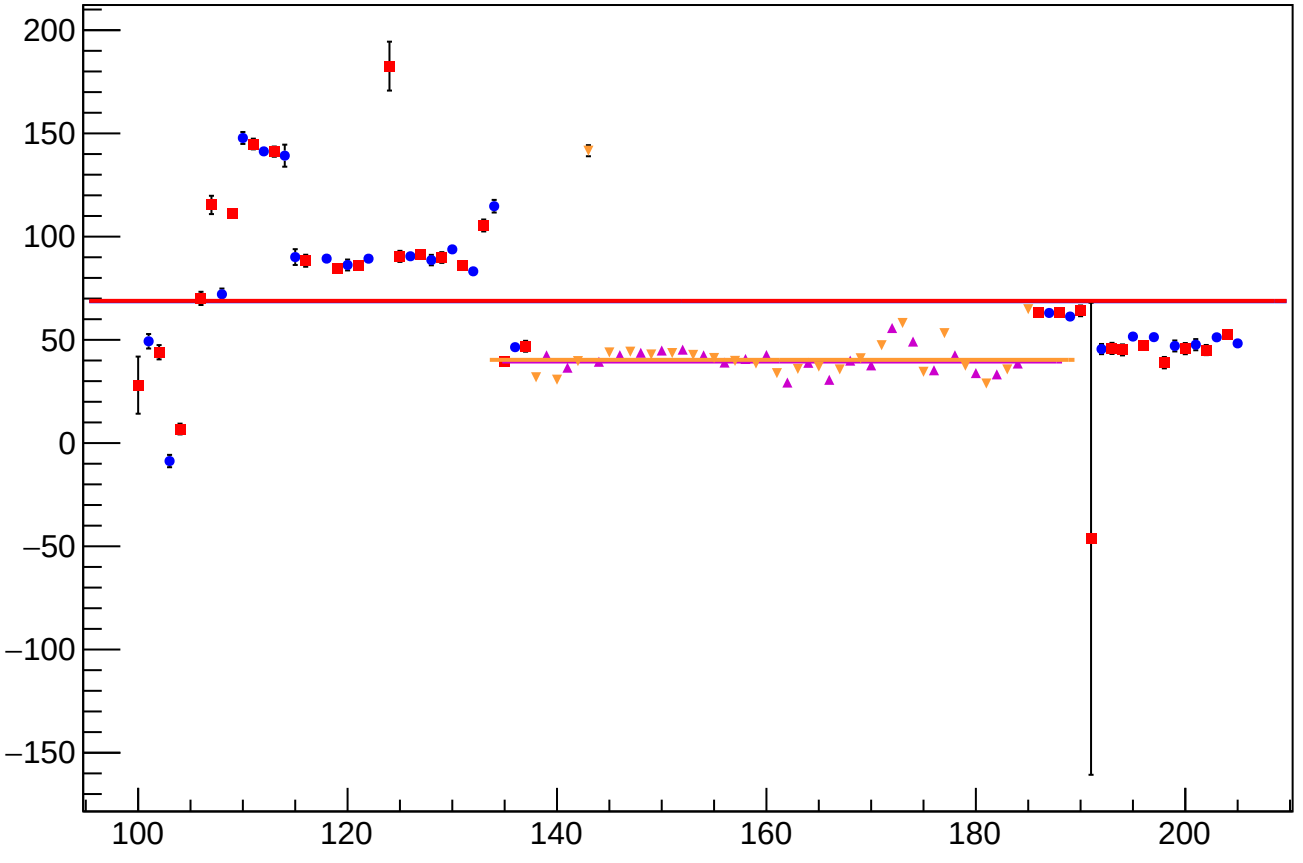
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.407+/-0.198 χ^2/NDF: 874.5/49

All: -3.312+/-0.141 χ^2/NDF: 1674.1/102

- sign -3.215+/-0.201 χ^2/NDF: 799.2/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

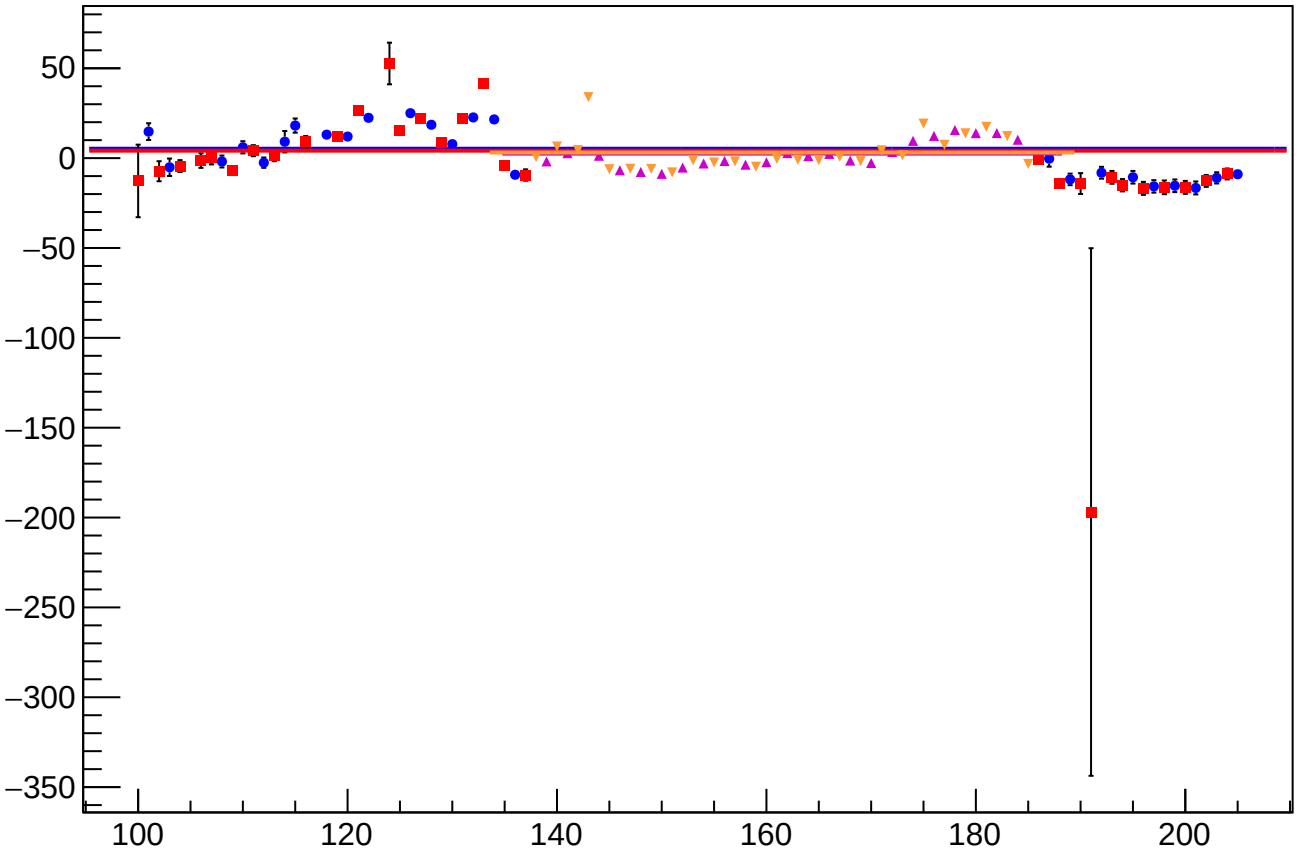
Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.290+/-0.238 χ^2/NDF: 9324.6/49

All: 48.884+/-0.166 χ^2/NDF: 17858.6/102

\- sign 49.448+/-0.232 χ^2/NDF: 8521.8/52



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

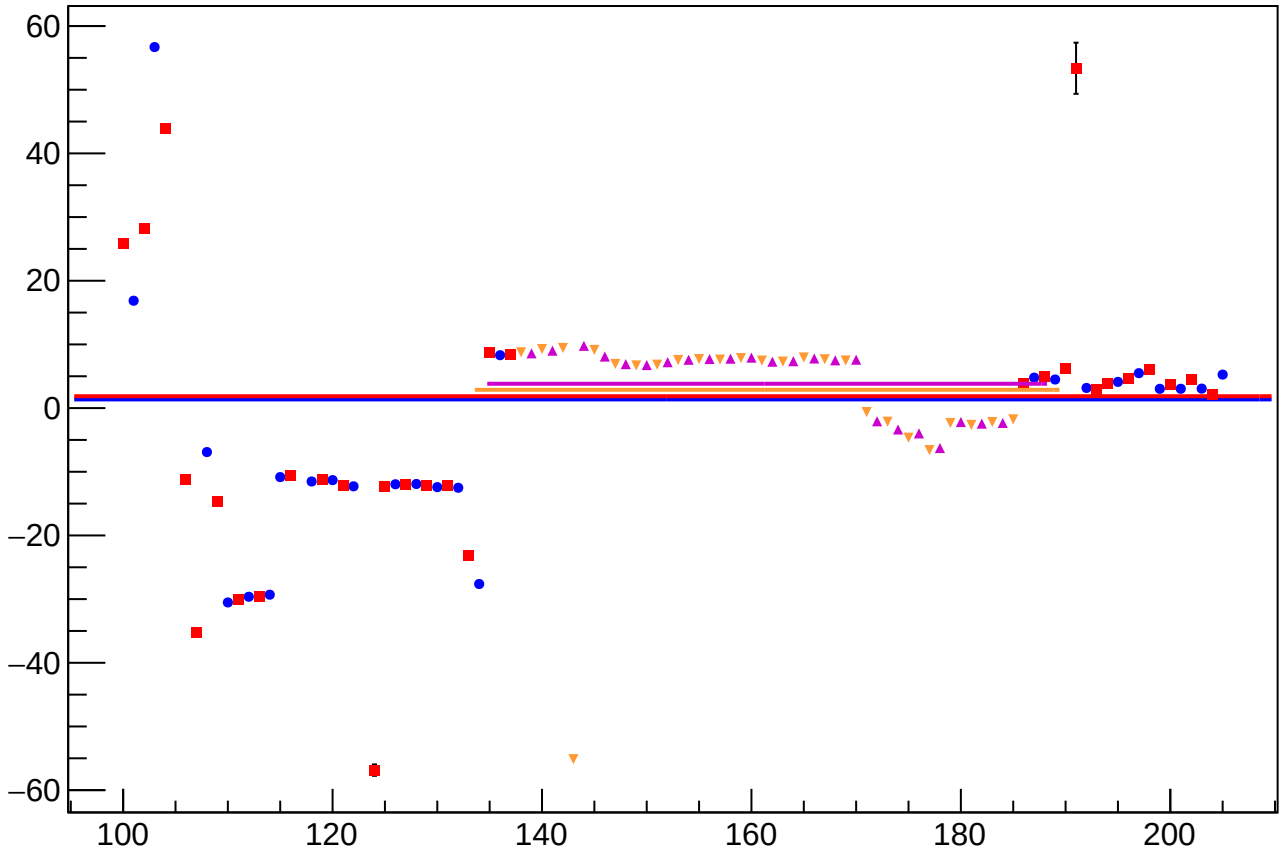
Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.491+/-0.224 χ^2/NDF: 1934.2/49

All: 3.157+/-0.160 χ^2/NDF: 3755.2/102

- sign 2.813+/-0.228 χ^2/NDF: 1816.4/52



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

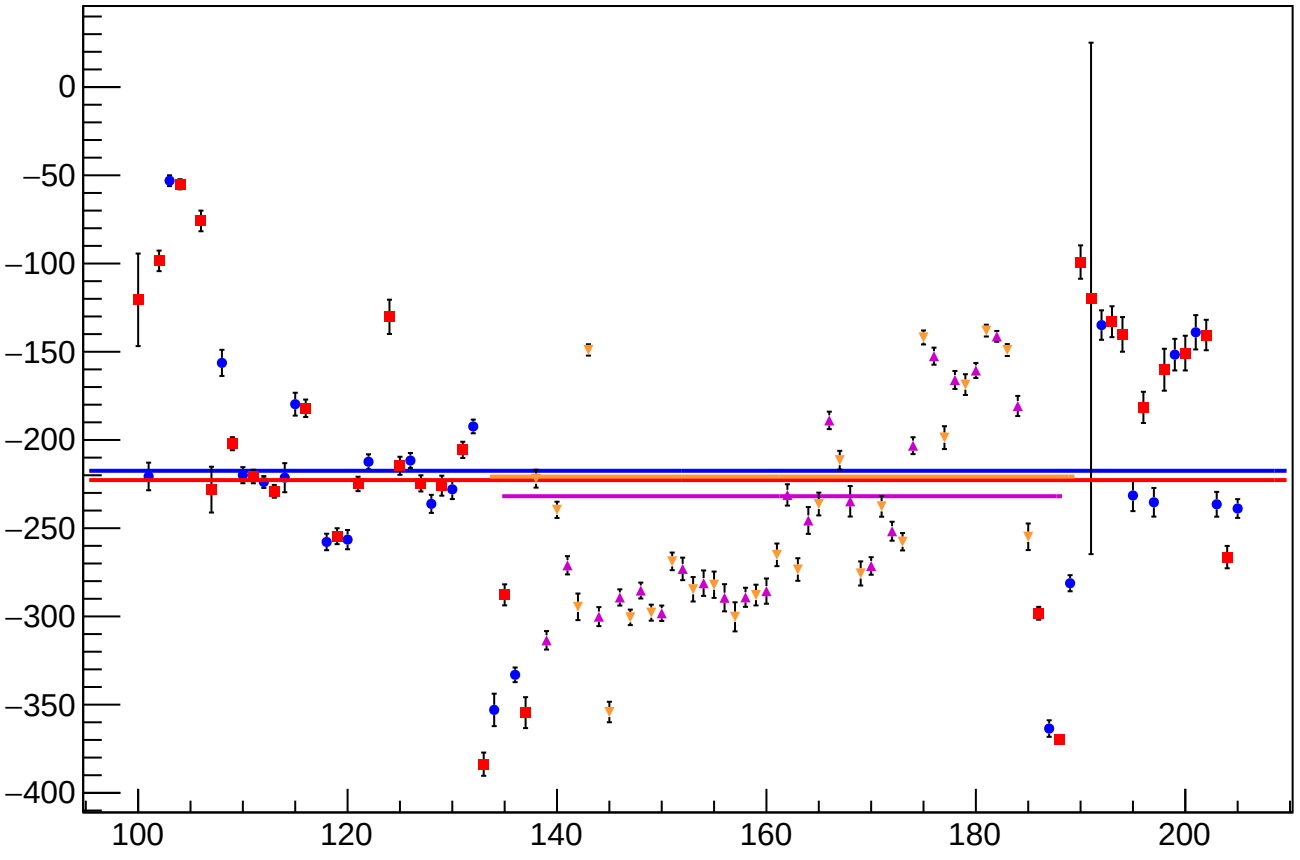
Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.648+/-0.010 χ^2/NDF: 891221.9/49

All: 3.083+/-0.007 χ^2/NDF: 1459046.5/102

- sign 3.525+/-0.010 χ^2/NDF: 564114.7/52



Right In: -217.461+/-1.039 χ^2/NDF: 5571.4/24

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -222.737+/-0.940 χ^2/NDF: 10180.7/29

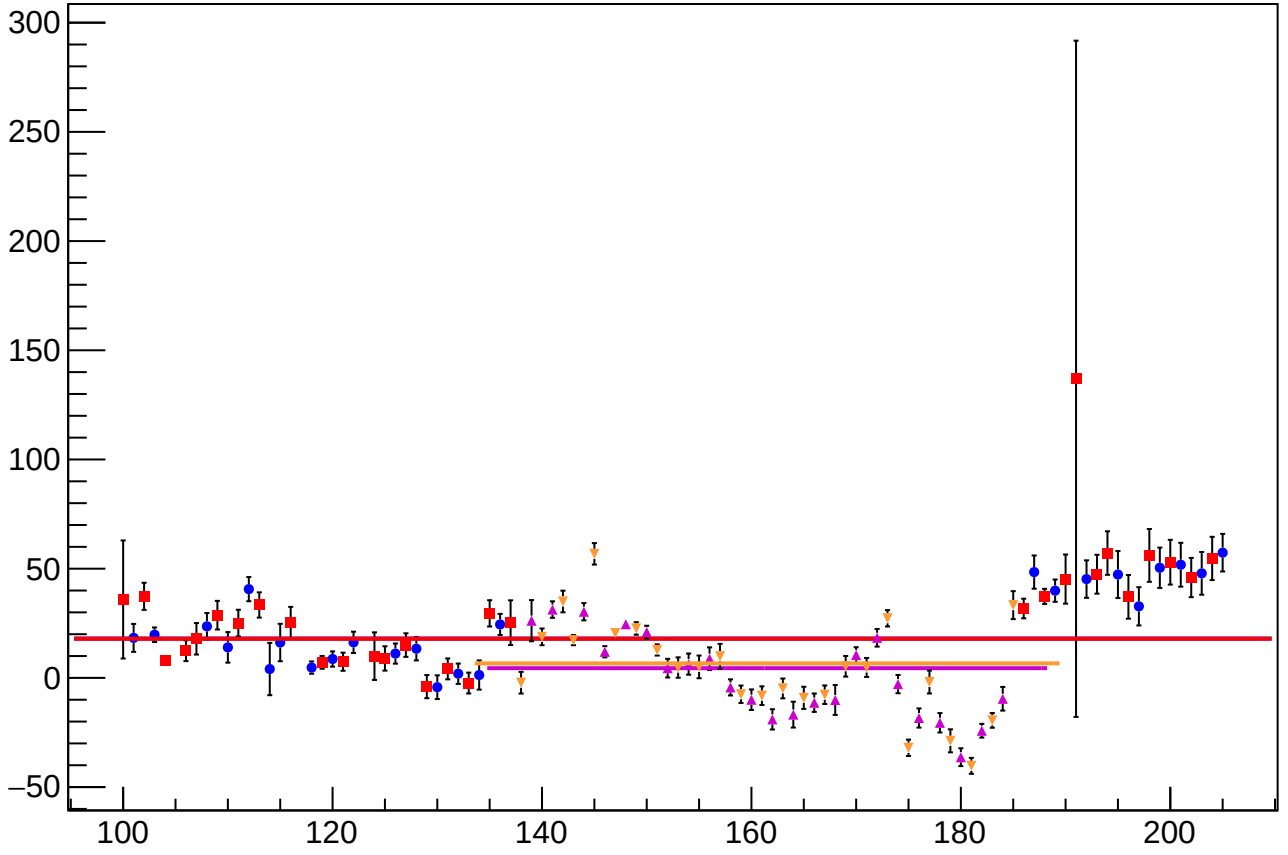
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

\+ sign -219.124+/-0.727 χ^2/NDF: 9628.6/49

All: -223.005+/-0.507 χ^2/NDF: 23066.0/102

\- sign -226.684+/-0.708 χ^2/NDF: 13381.8/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 18.003+/-1.099 χ^2/NDF: 197.3/24

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

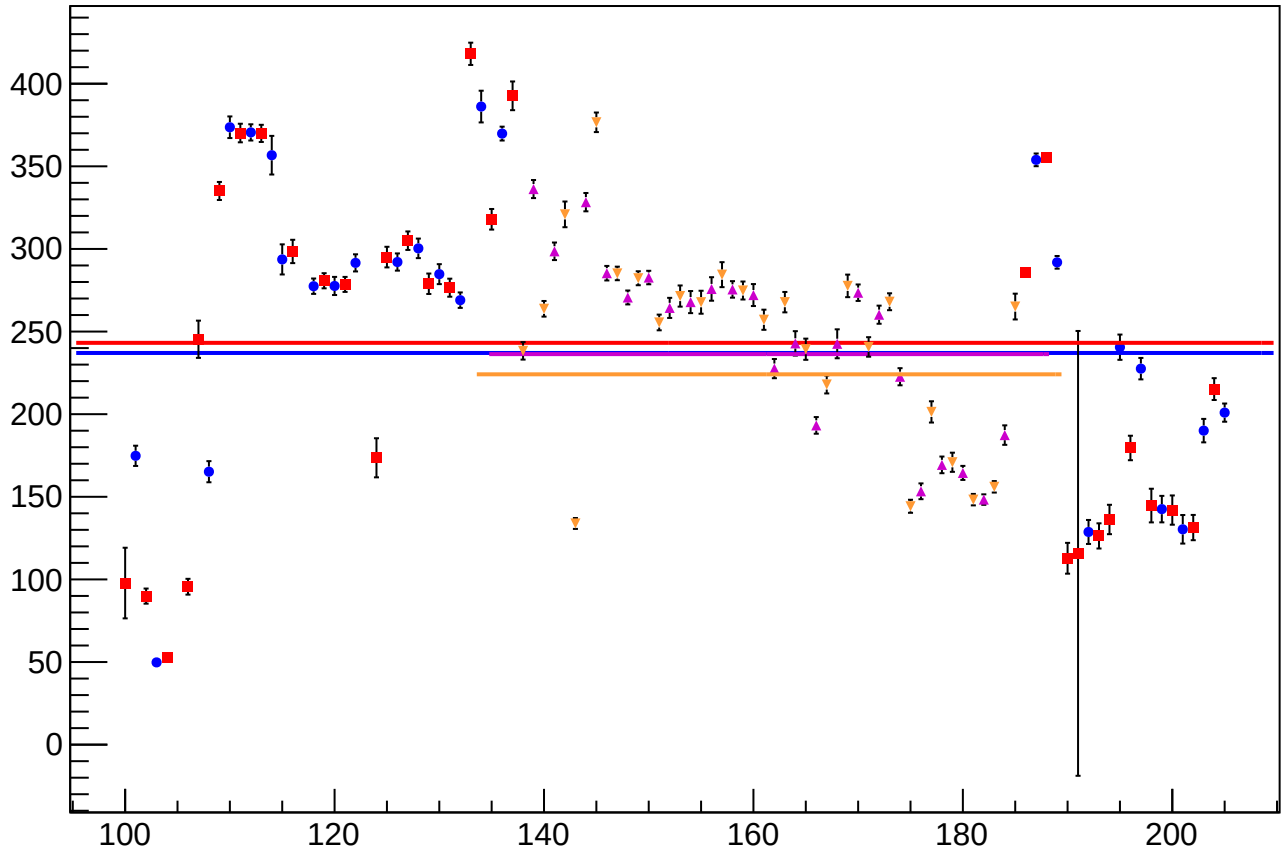
Right Out: 17.927+/-0.996 χ^2/NDF: 236.8/29

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 10.268+/-0.621 χ^2/NDF: 1005.1/49

All: 10.031+/-0.441 χ^2/NDF: 1919.8/102

- sign 9.789+/-0.627 χ^2/NDF: 914.5/52



Right In: 237.045+/-1.050 χ^2/NDF: 11136.2/24

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.174+/-0.917 χ^2/NDF: 16616.4/29

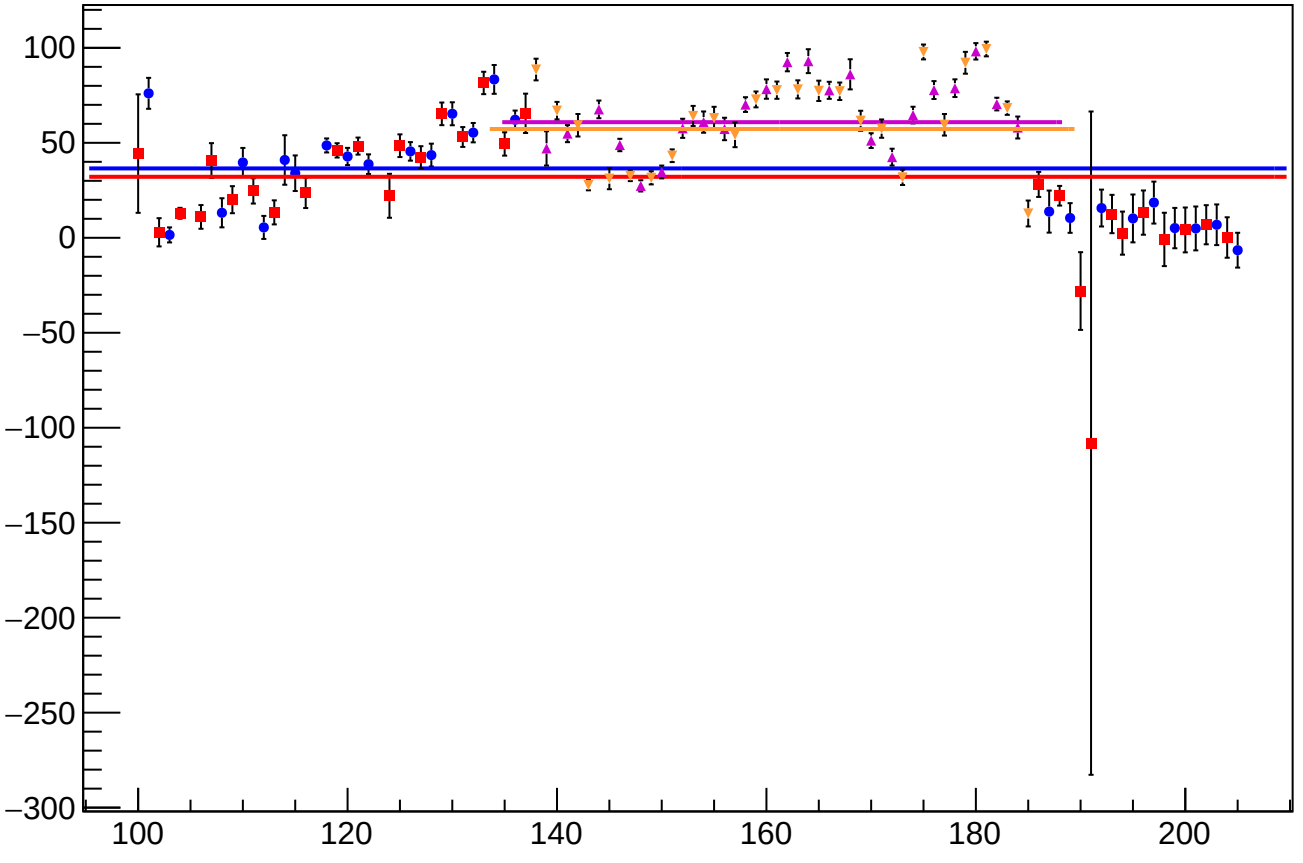
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.357+/-0.729 χ^2/NDF: 15181.3/49

All: 235.549+/-0.503 χ^2/NDF: 34911.1/102

- sign 240.270+/-0.695 χ^2/NDF: 19633.0/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 36.528+/-1.292 χ^2/NDF: 330.3/24

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

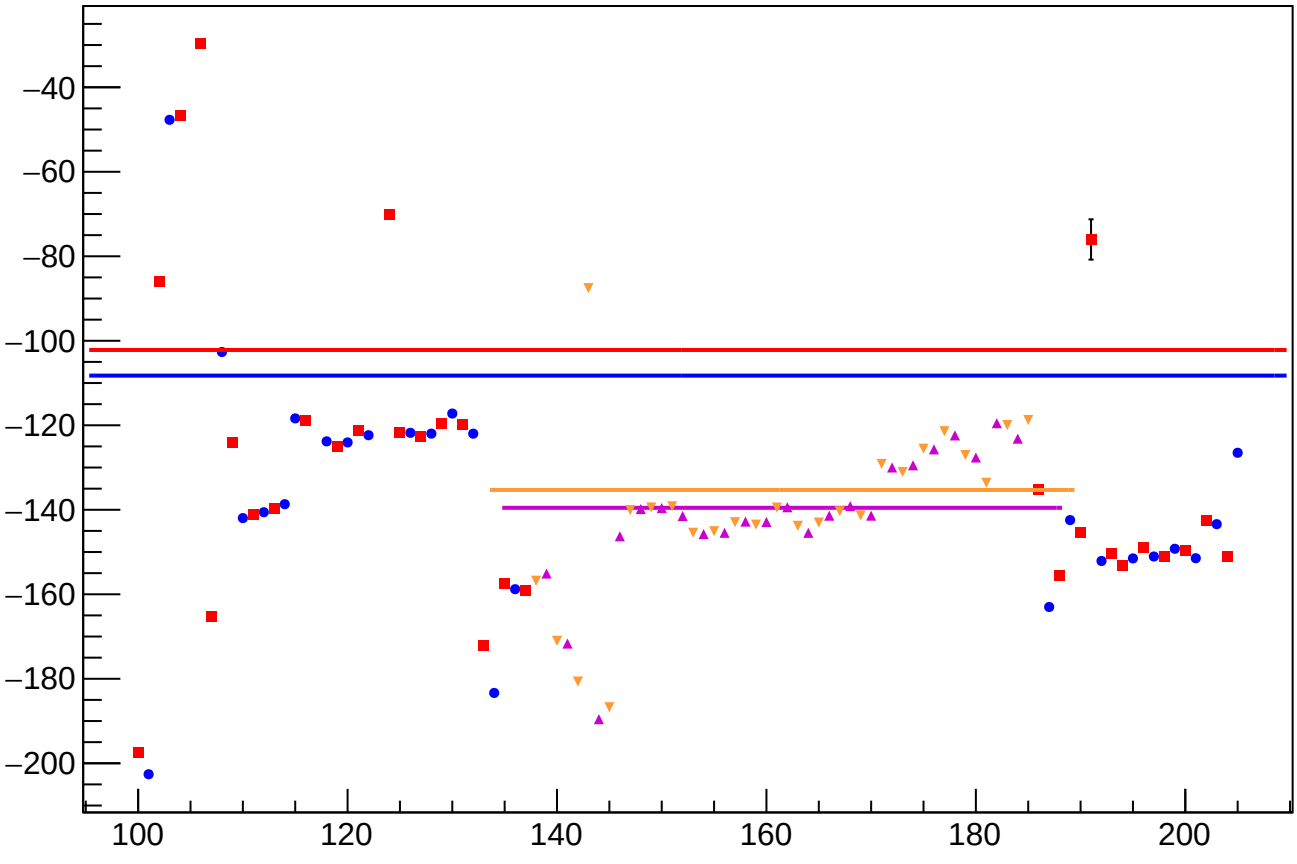
Right Out: 32.117+/-1.200 χ^2/NDF: 313.3/29

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 50.835+/-0.721 χ^2/NDF: 1276.0/49

All: 50.518+/-0.513 χ^2/NDF: 2405.5/102

- sign 50.190+/-0.731 χ^2/NDF: 1129.1/52



Right In: -108.245+/-0.060 χ^2/NDF: 662201.2/24

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

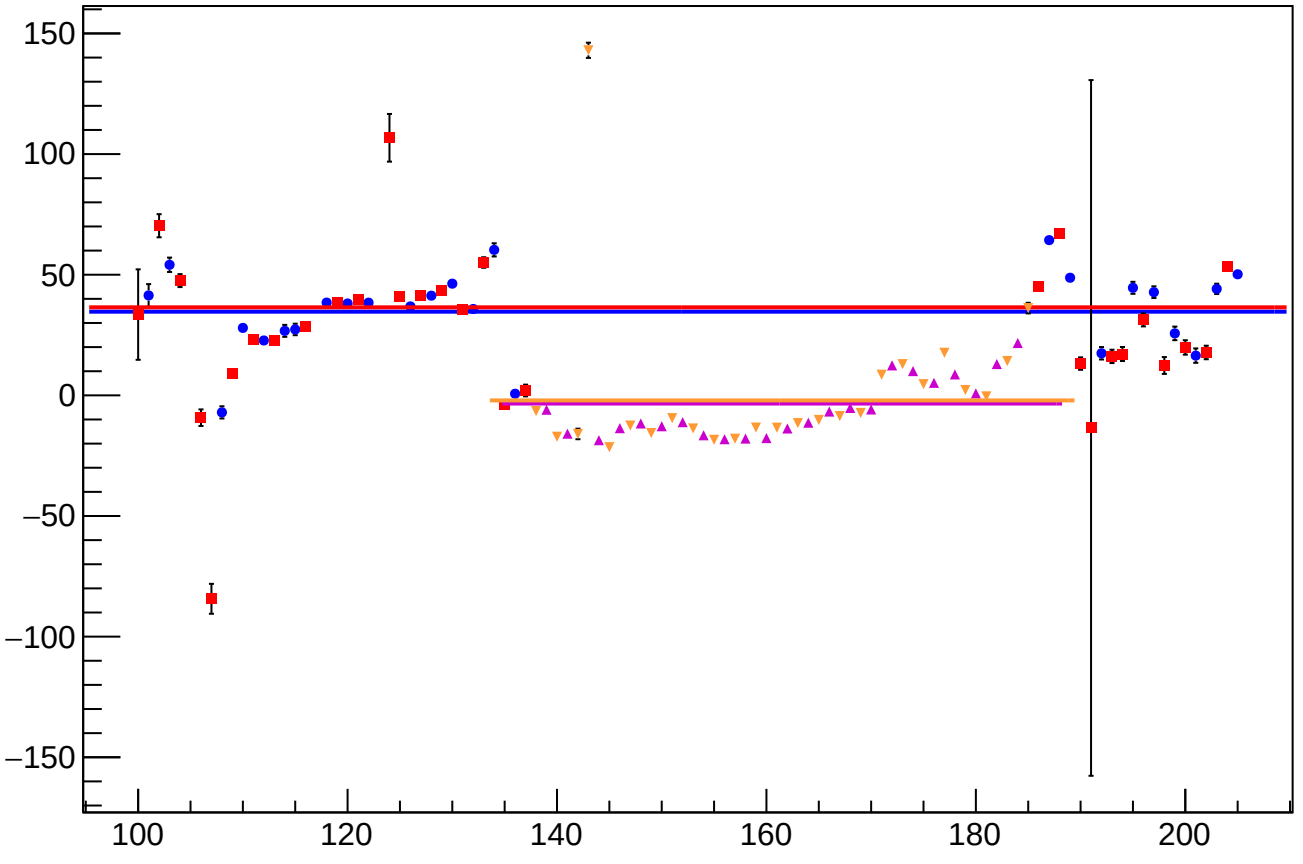
Right Out: -102.175+/-0.058 χ^2/NDF: 718470.5/29

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.881+/-0.034 χ^2/NDF: 1063536.3/49

All: -126.708+/-0.024 χ^2/NDF: 2170456.9/10

- sign -126.531+/-0.034 χ^2/NDF: 1106867.2/52



Right In: 34.682+/-0.354 χ^2/NDF: 2374.4/24

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

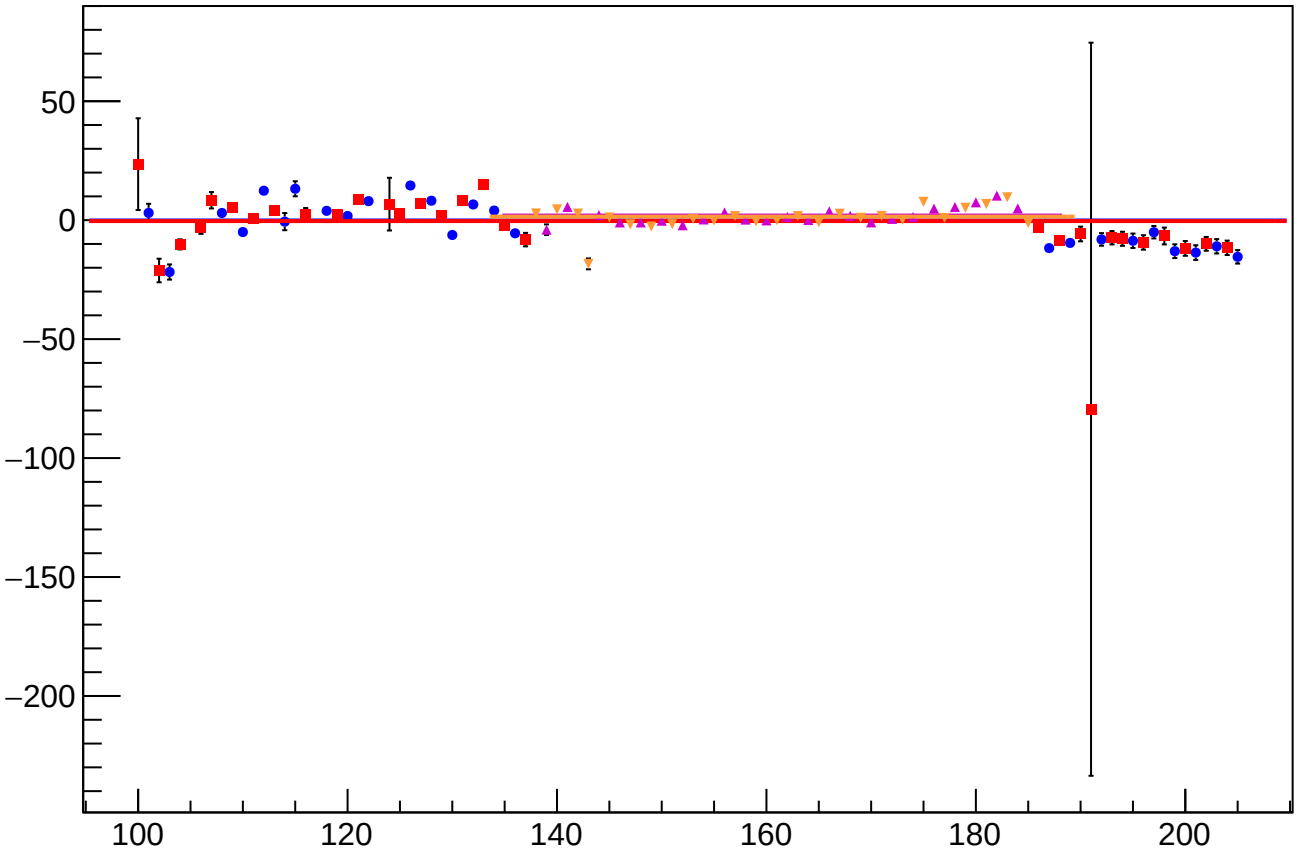
Right Out: 36.488+/-0.312 χ^2/NDF: 4690.1/29

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 11.238+/-0.213 χ^2/NDF: 13463.2/49

All: 12.547+/-0.148 χ^2/NDF: 29270.8/102

- sign 13.758+/-0.205 χ^2/NDF: 15734.9/52



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

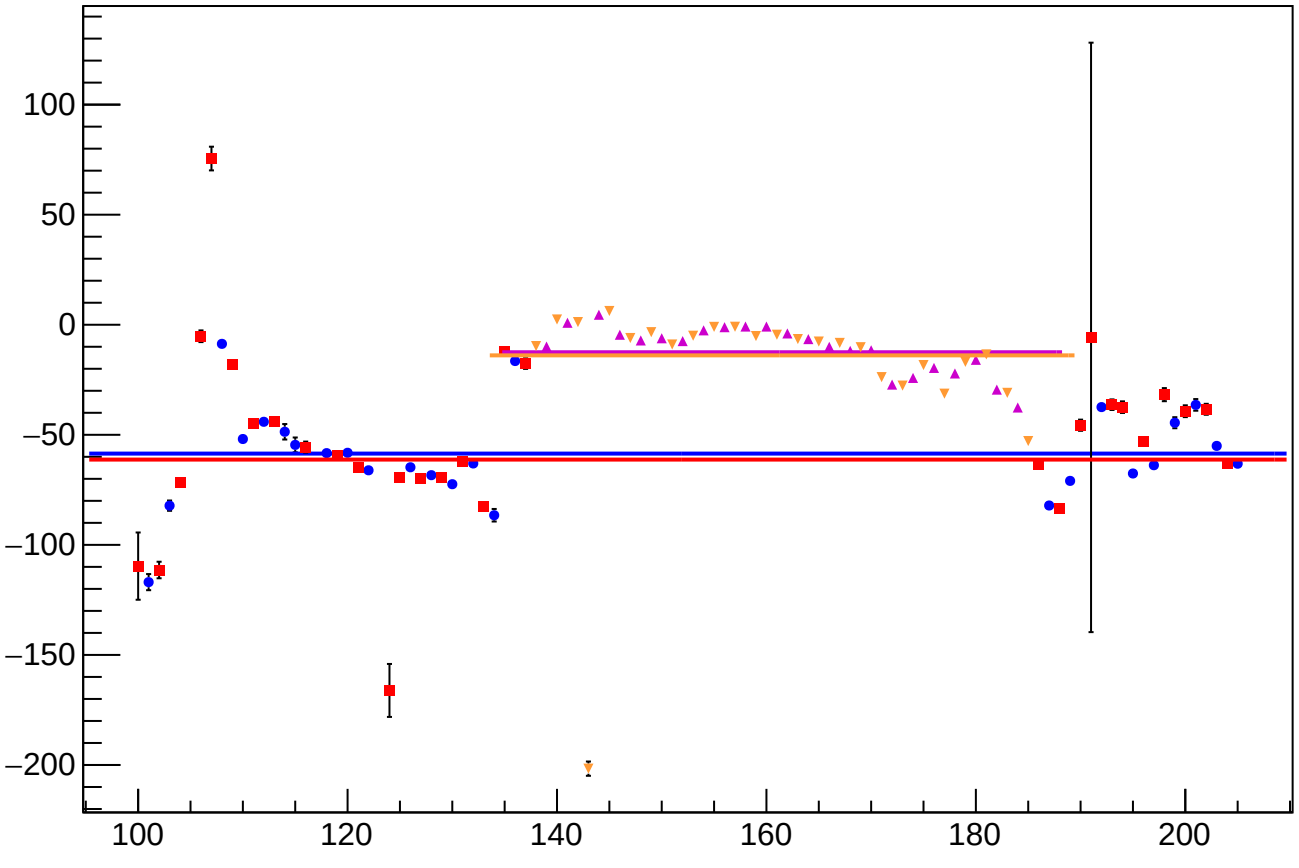
Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.134+/-0.181 χ^2/NDF: 810.9/49

All: 1.240+/-0.128 χ^2/NDF: 1471.3/102

- sign 1.348+/-0.182 χ^2/NDF: 659.7/52



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

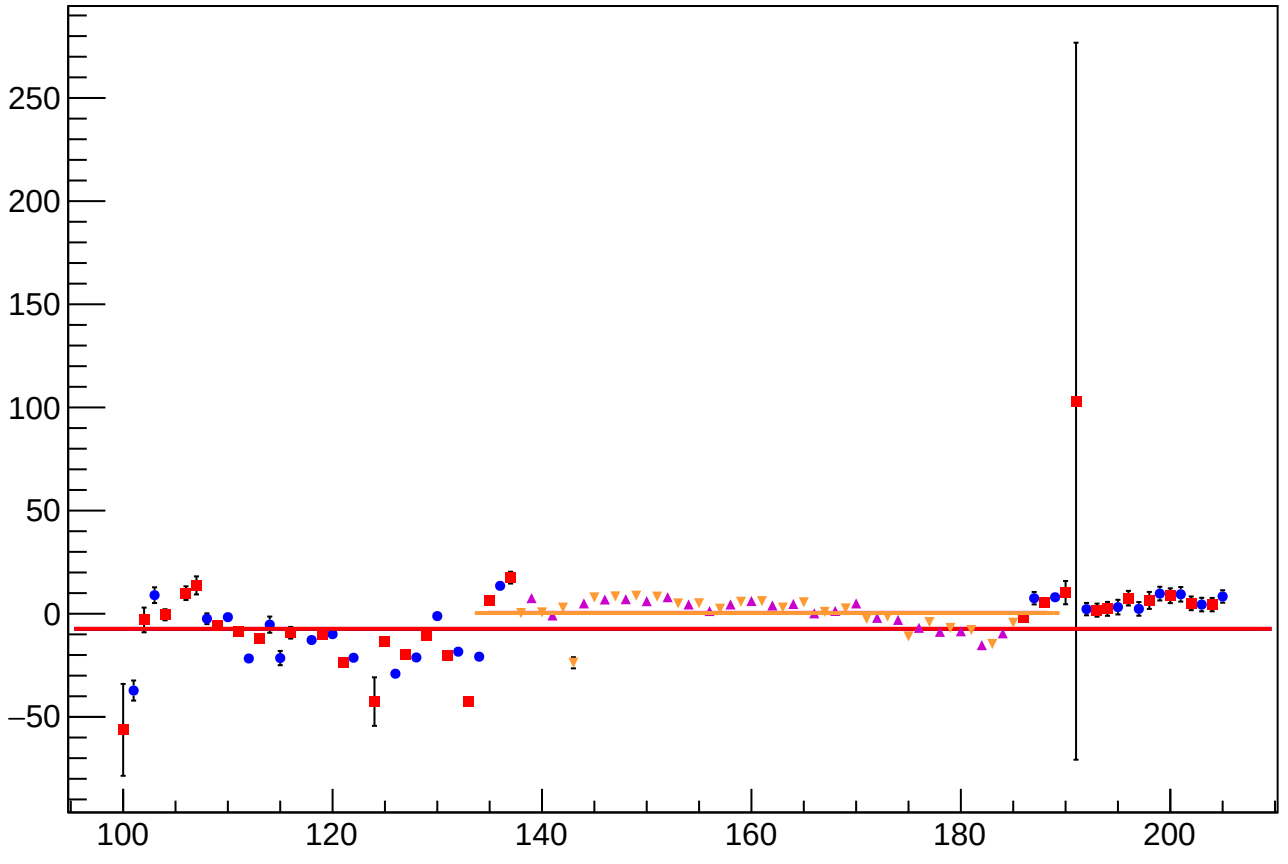
Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -29.138+/-0.215 χ^2/NDF: 18161.9/49

All: -31.485+/-0.147 χ^2/NDF: 39514.7/102

- sign -33.569+/-0.202 χ^2/NDF: 21127.5/52



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

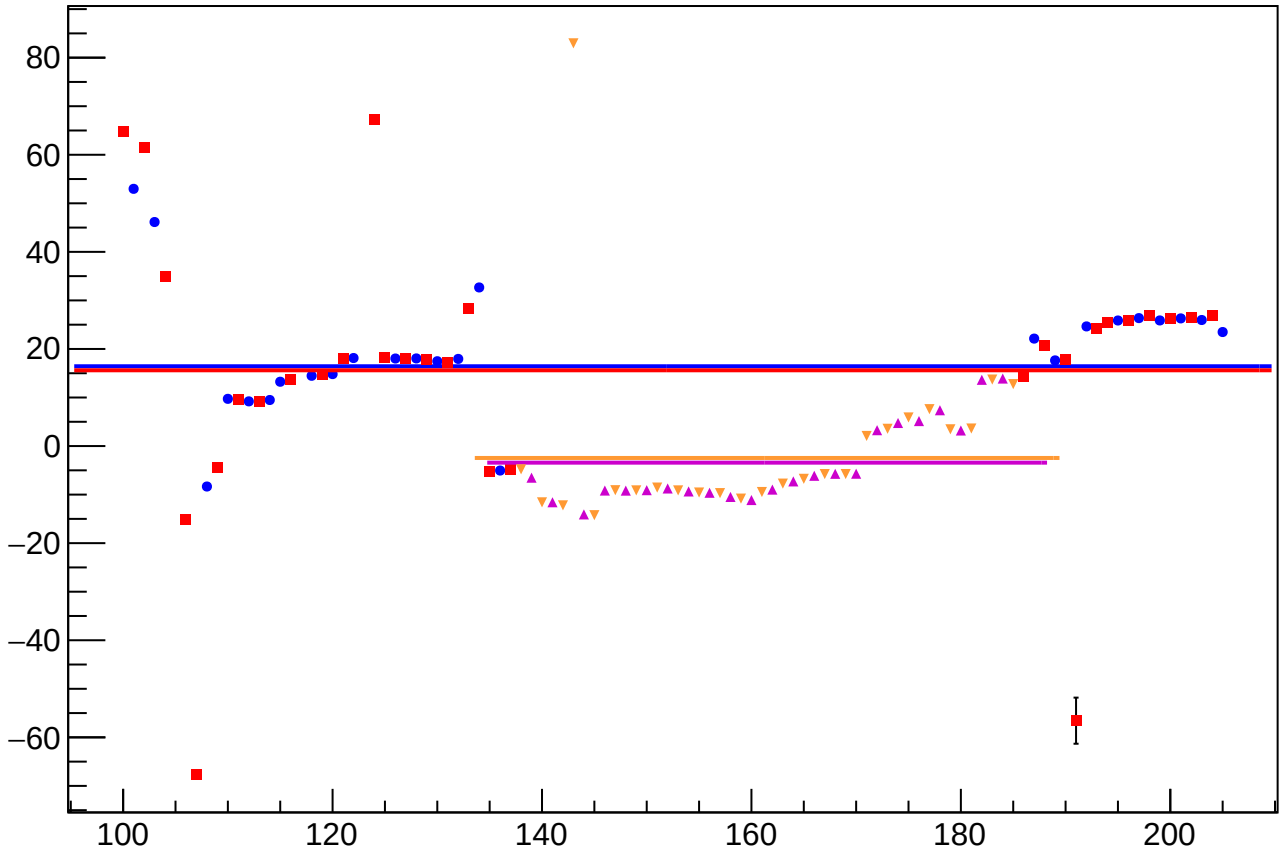
Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.246+/-0.206 χ^2/NDF: 2045.2/49

All: -1.285+/-0.146 χ^2/NDF: 3984.3/102

- sign -1.324+/-0.208 χ^2/NDF: 1939.0/52



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

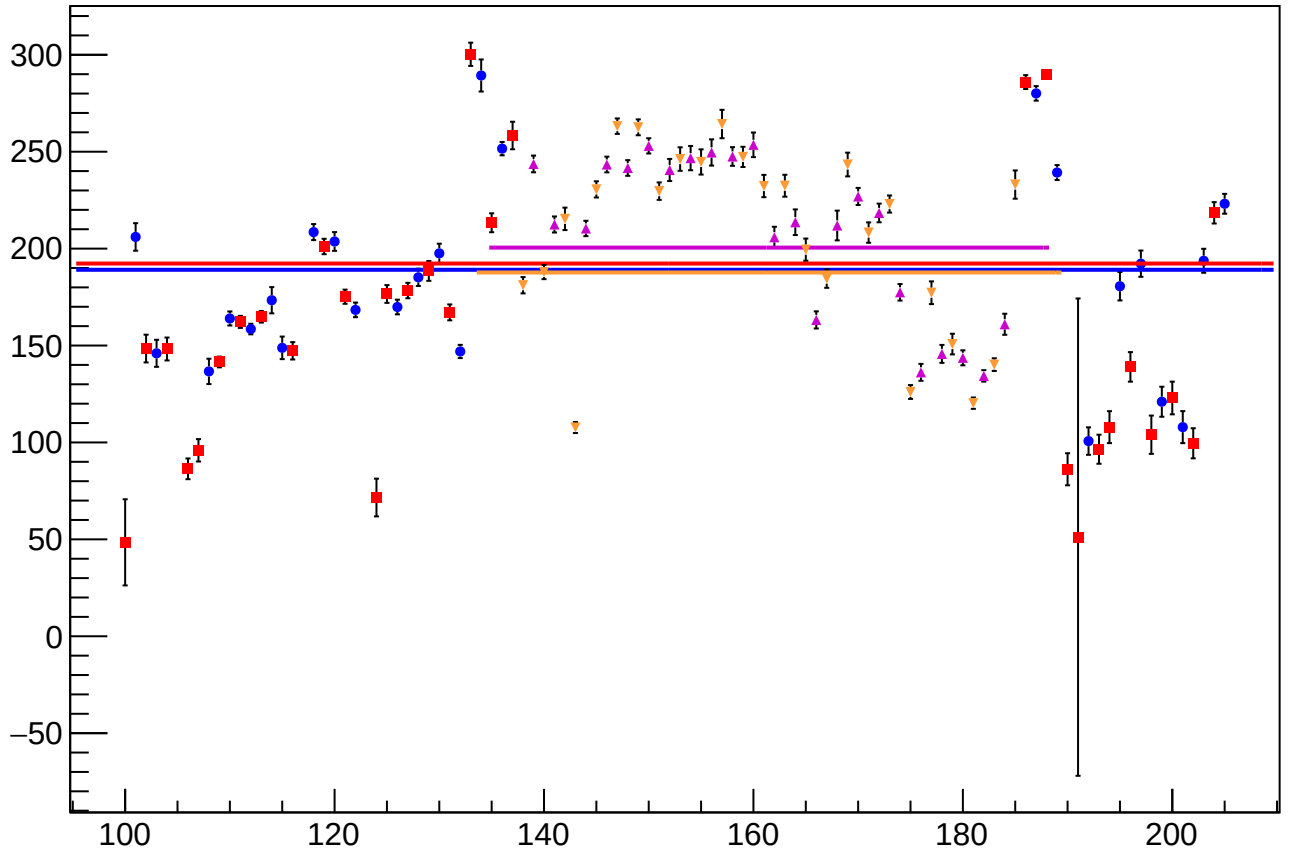
Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.653+/-0.009 χ^2/NDF: 1939621.8/49

All: 0.246+/-0.007 χ^2/NDF: 3611594.4/102

- sign -0.165+/-0.010 χ^2/NDF: 1668260.2/52



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

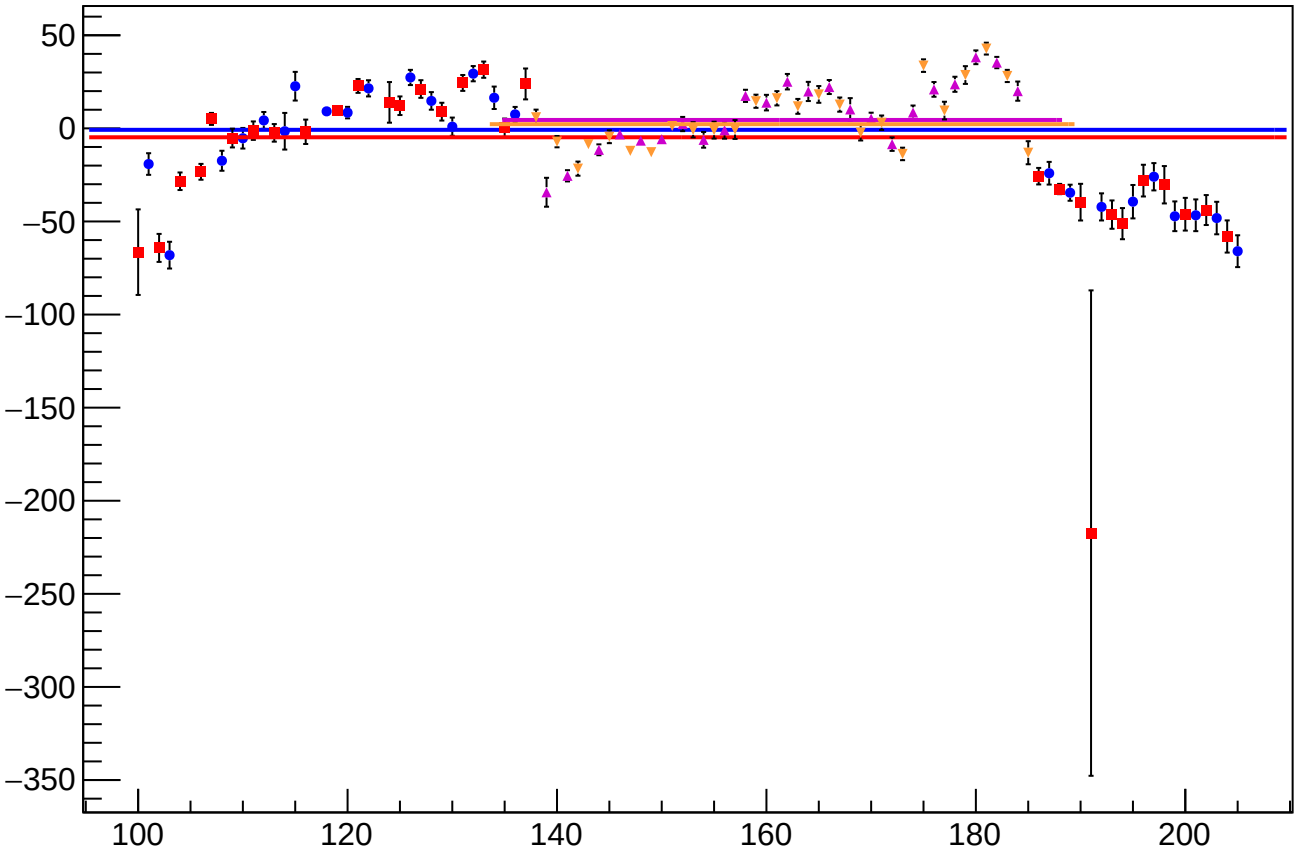
Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 188.350+/-0.648 χ^2/NDF: 5718.6/49

All: 192.224+/-0.451 χ^2/NDF: 13936.6/102

\- sign 195.869+/-0.629 χ^2/NDF: 8148.7/52



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

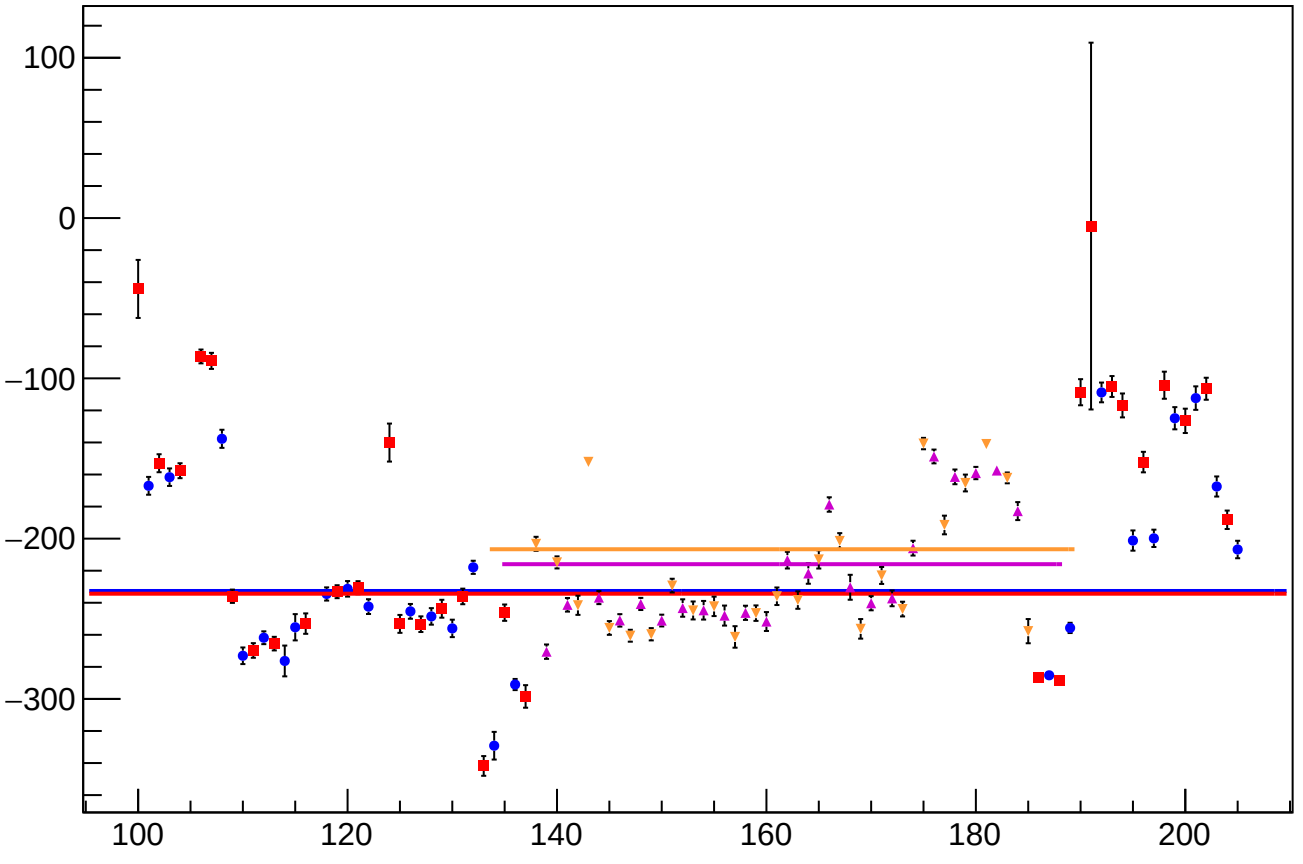
Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.320+/-0.554 χ^2/NDF: 1190.6/49

All: 1.175+/-0.395 χ^2/NDF: 2490.9/102

- sign 1.024+/-0.565 χ^2/NDF: 1300.2/52



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

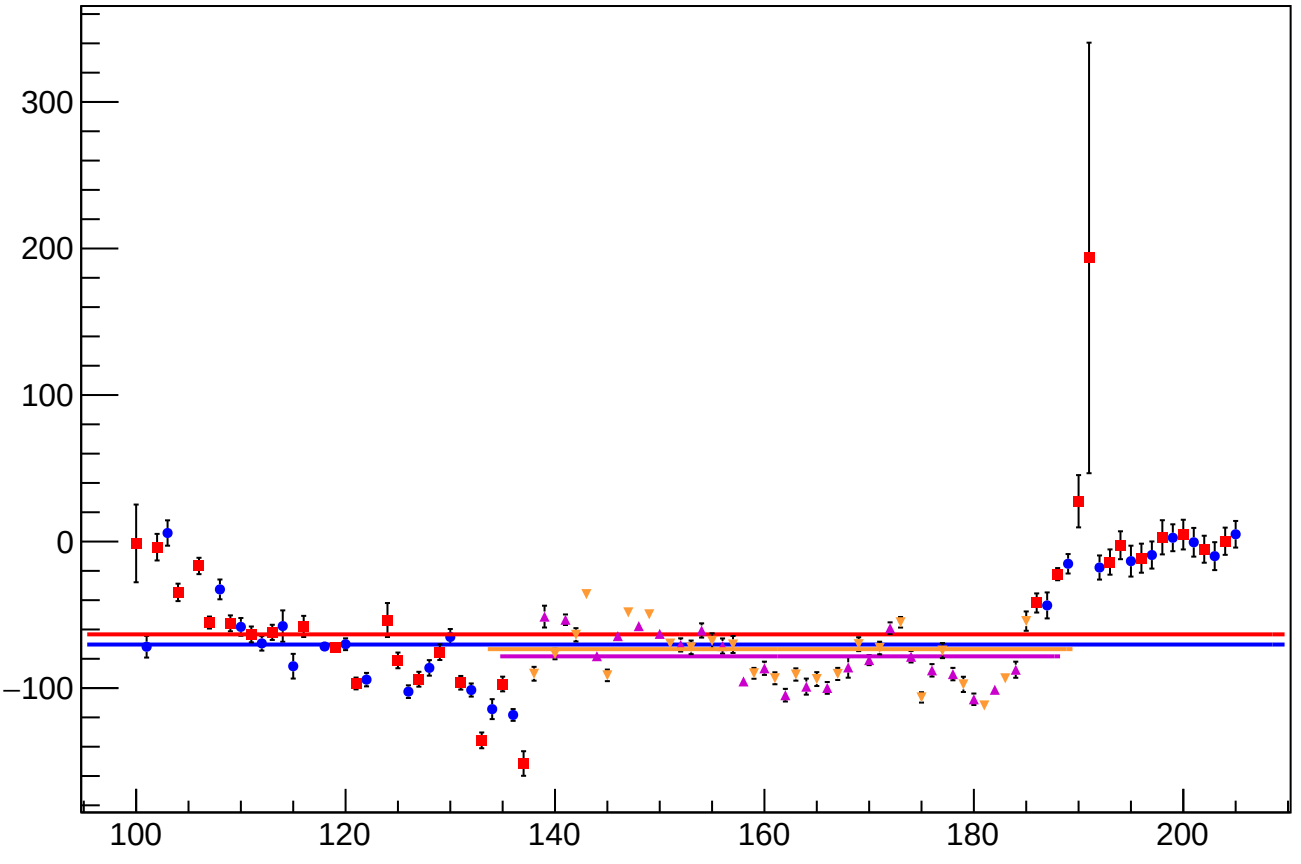
Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.400+/-0.662 χ^2/NDF: 5495.2/49

All: -222.495+/-0.456 χ^2/NDF: 14112.9/102

- sign -226.199+/-0.630 χ^2/NDF: 8544.8/52



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

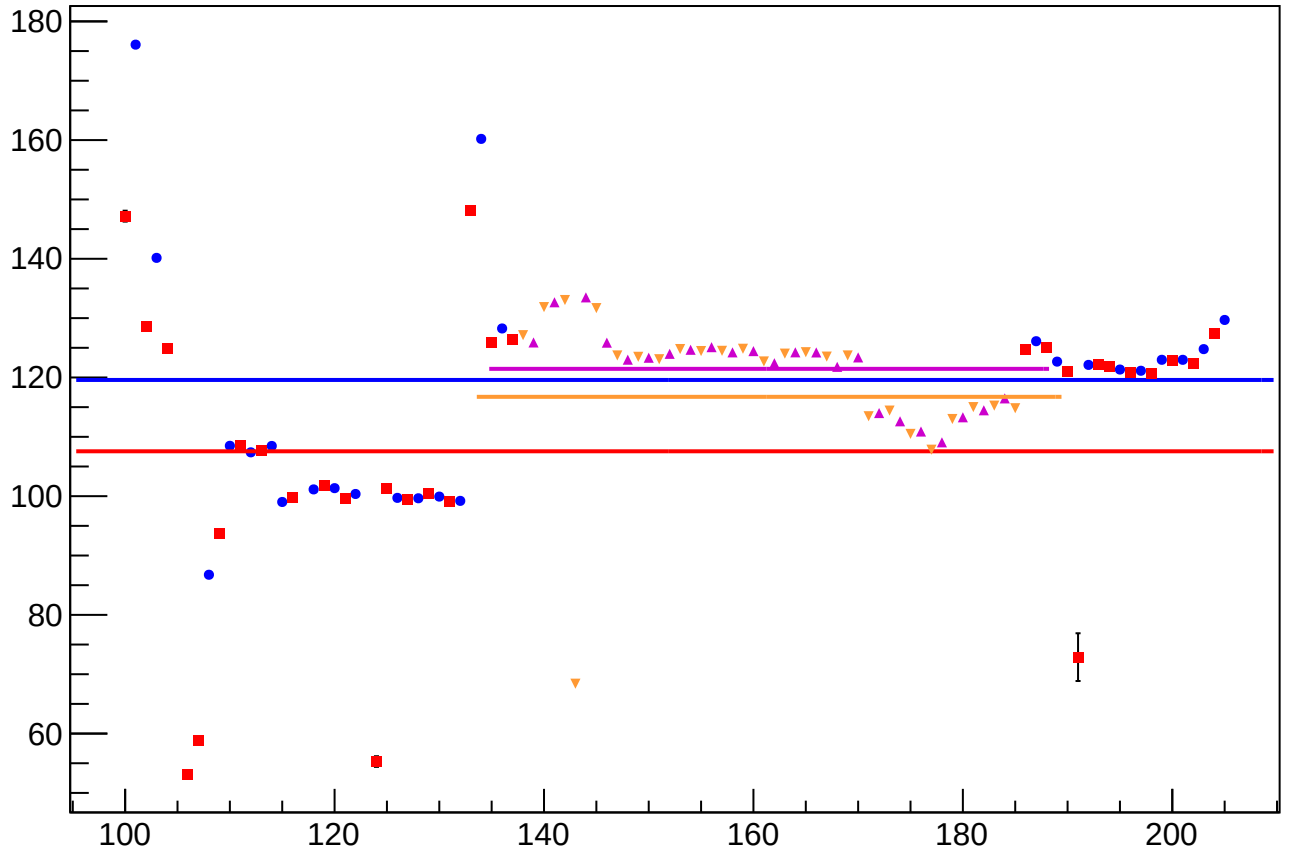
Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.487+/-0.643 χ^2/NDF: 1697.6/49

All: -72.747+/-0.459 χ^2/NDF: 3327.5/102

- sign -73.019+/-0.657 χ^2/NDF: 1629.6/52



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

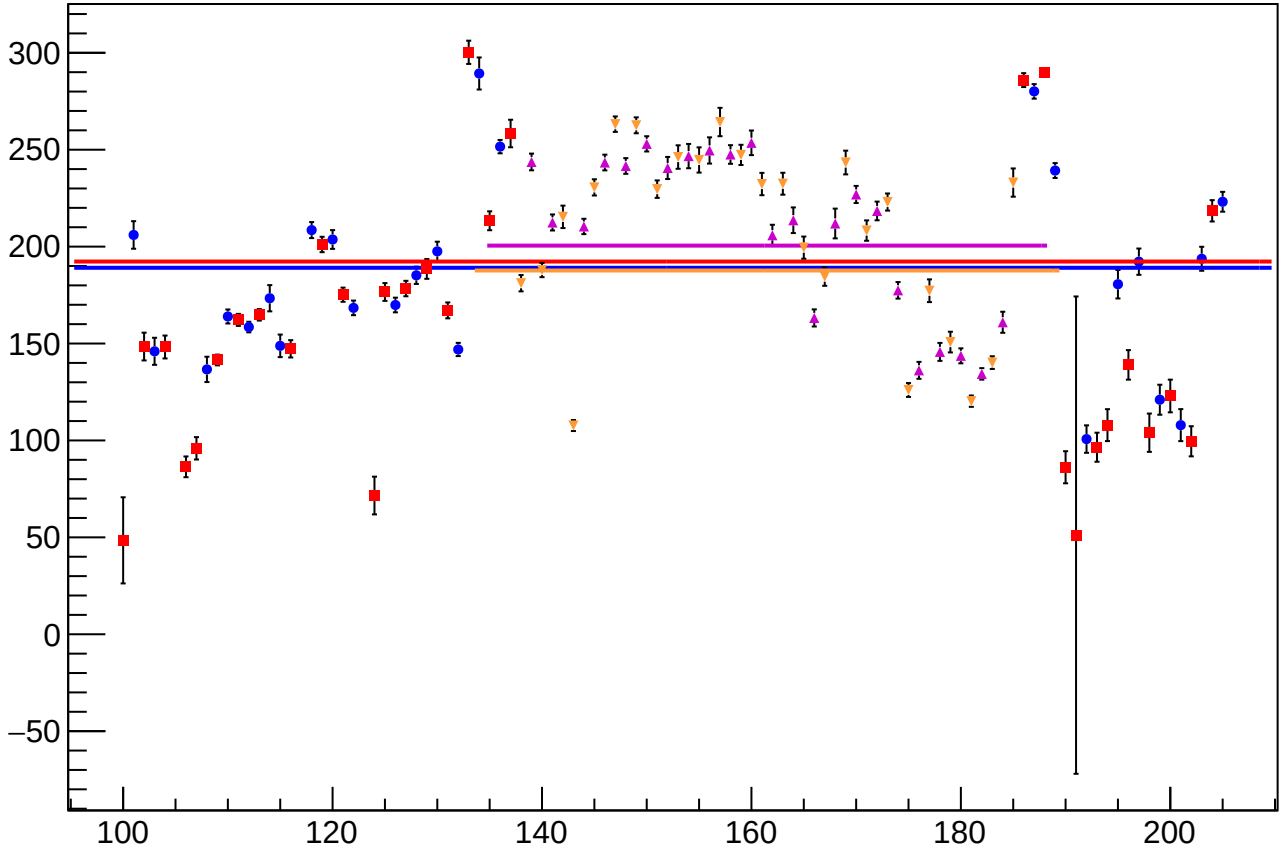
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.435+/-0.031 χ^2/NDF: 302657.6/49

All: 117.366+/-0.022 χ^2/NDF: 577238.5/102

- sign 117.296+/-0.031 χ^2/NDF: 274571.1/52

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

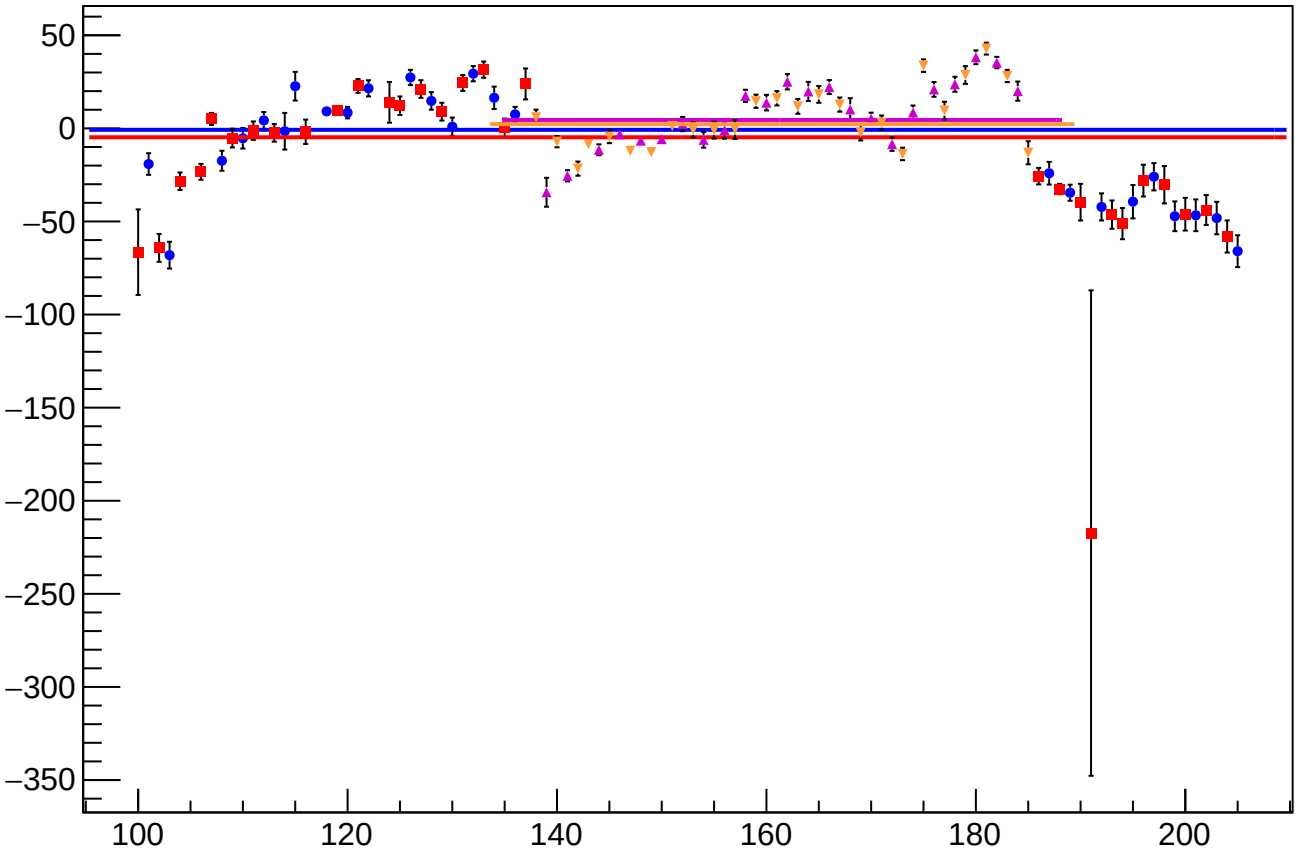
Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.350+/-0.648 χ^2/NDF: 5718.6/49

All: 192.224+/-0.451 χ^2/NDF: 13936.6/102

- sign 195.869+/-0.629 χ^2/NDF: 8148.7/52



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

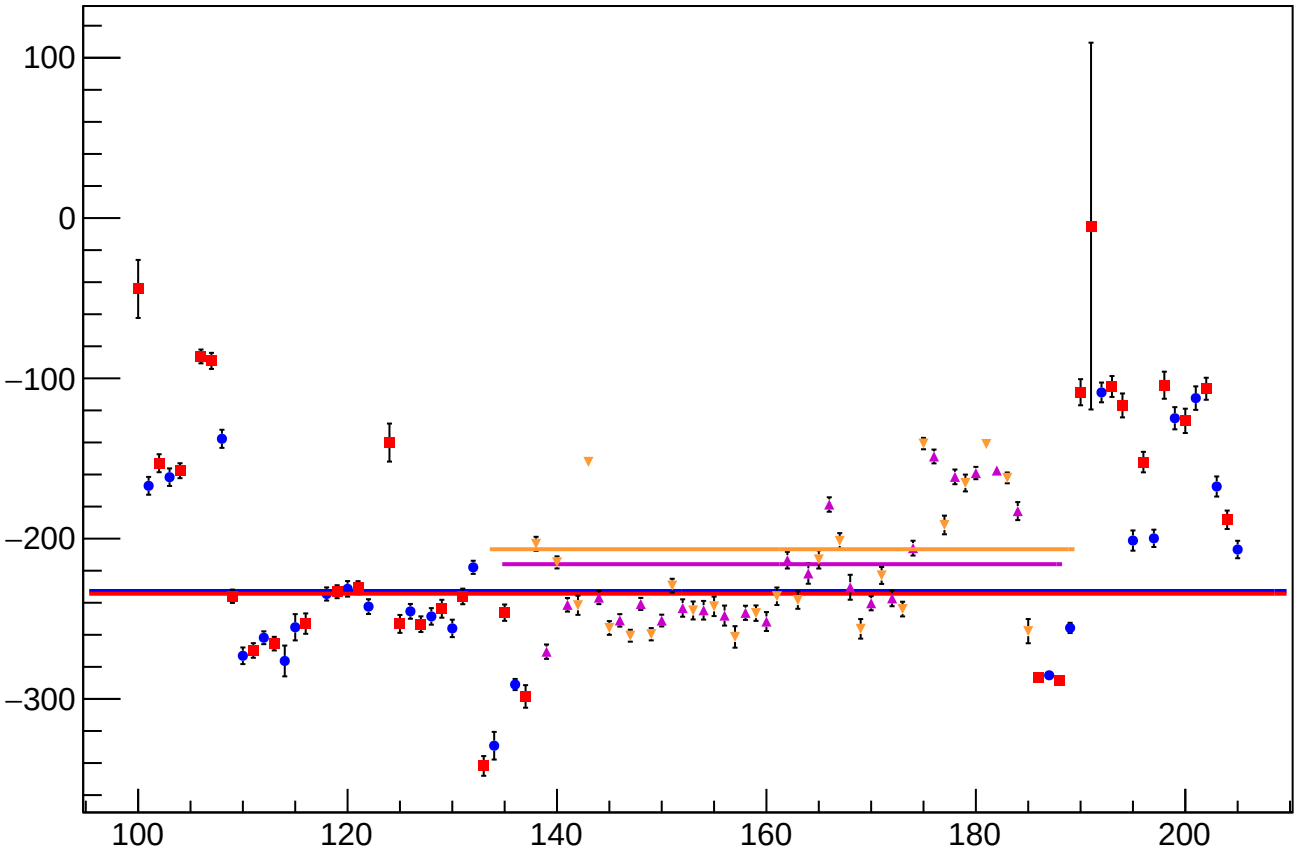
Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.320+/-0.554 χ^2/NDF: 1190.6/49

All: 1.175+/-0.395 χ^2/NDF: 2490.9/102

- sign 1.024+/-0.565 χ^2/NDF: 1300.2/52



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

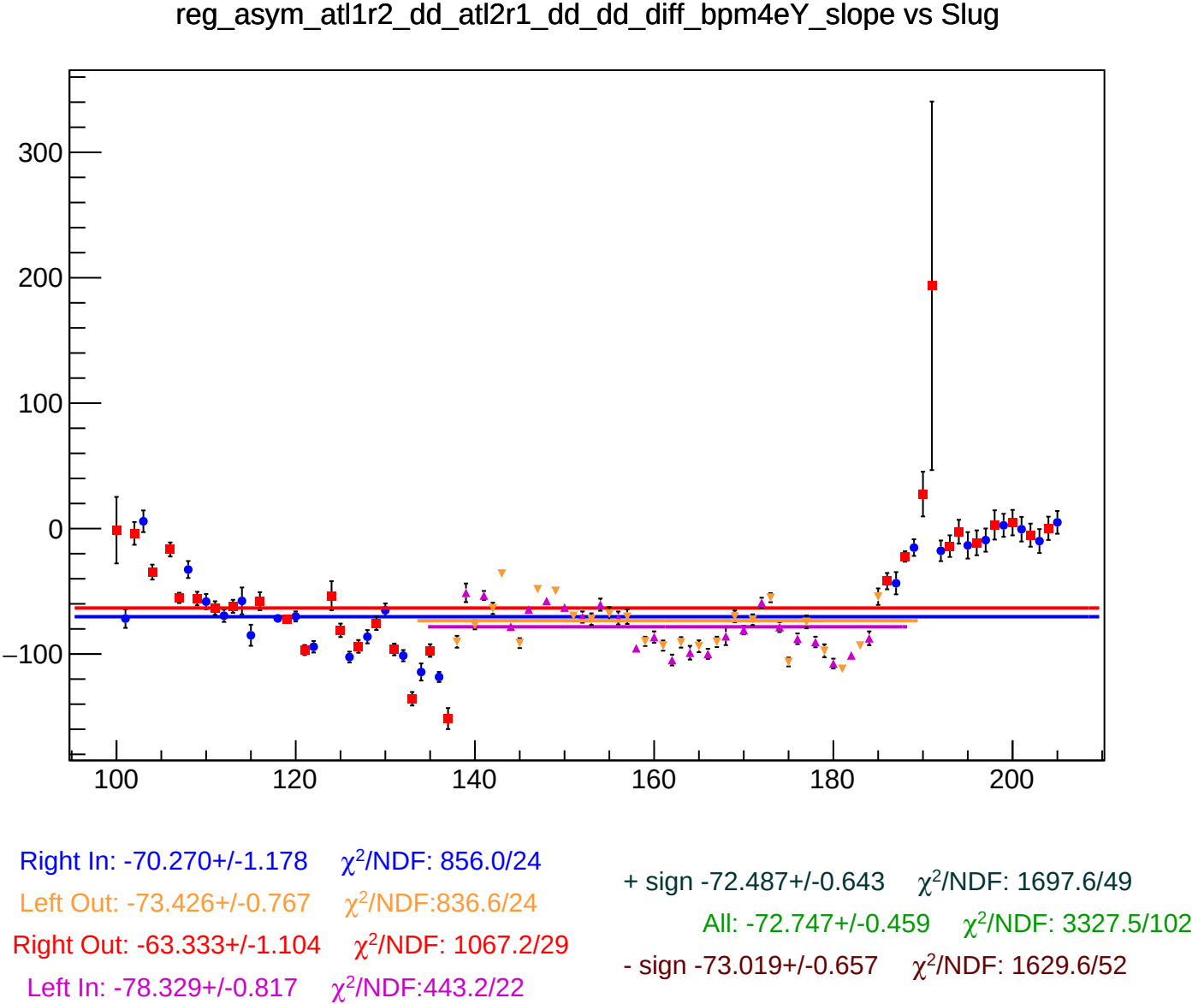
Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

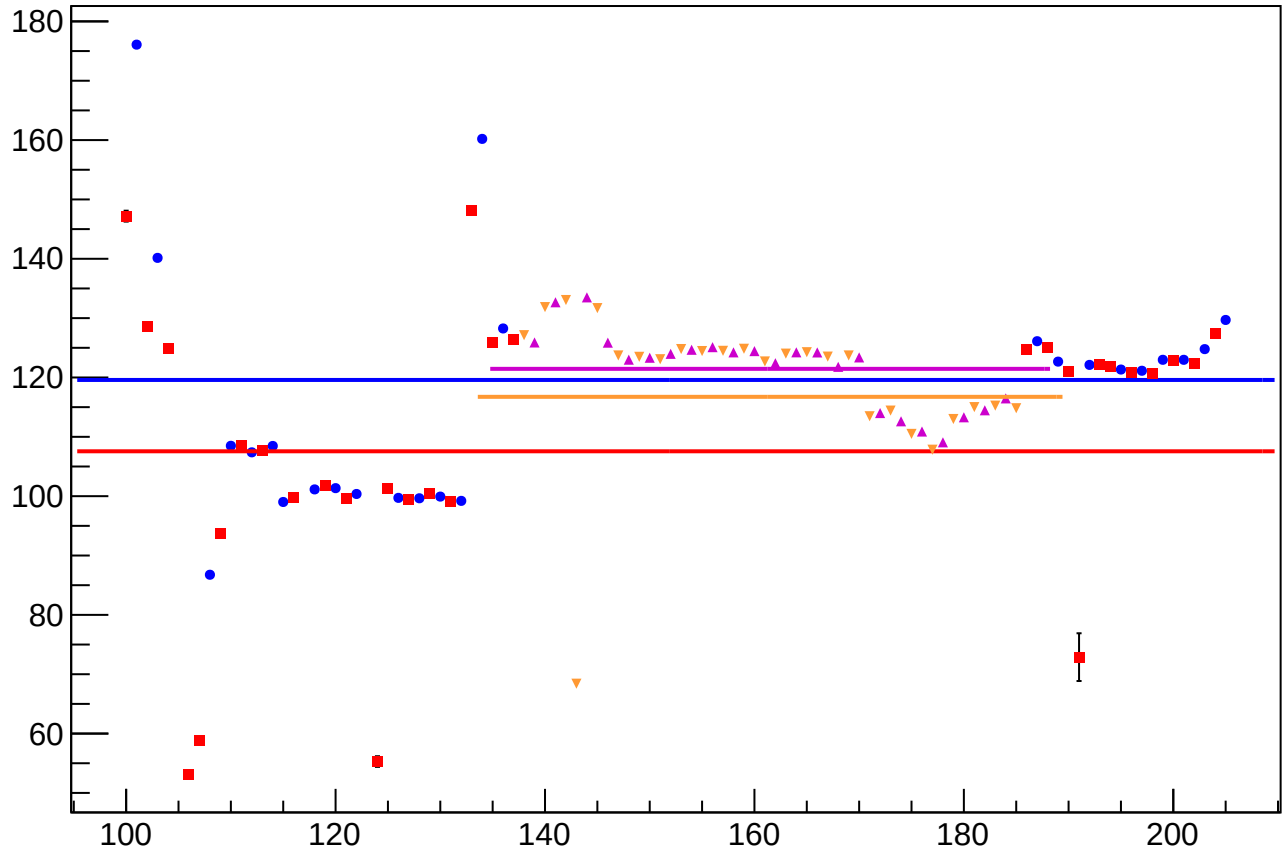
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.400+/-0.662 χ^2/NDF: 5495.2/49

All: -222.495+/-0.456 χ^2/NDF: 14112.9/102

- sign -226.199+/-0.630 χ^2/NDF: 8544.8/52


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
300
200
100
0
−100
100
120
140
160
180
200
Right In: -70.270+/-1.178 χ²/NDF: 856.0/24
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -63.333+/-1.104 χ²/NDF: 1067.2/29
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
+ sign -72.487+/-0.643 χ²/NDF: 1697.6/49
All: -72.747+/-0.459 χ²/NDF: 3327.5/102
- sign -73.019+/-0.657 χ²/NDF: 1629.6/52



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

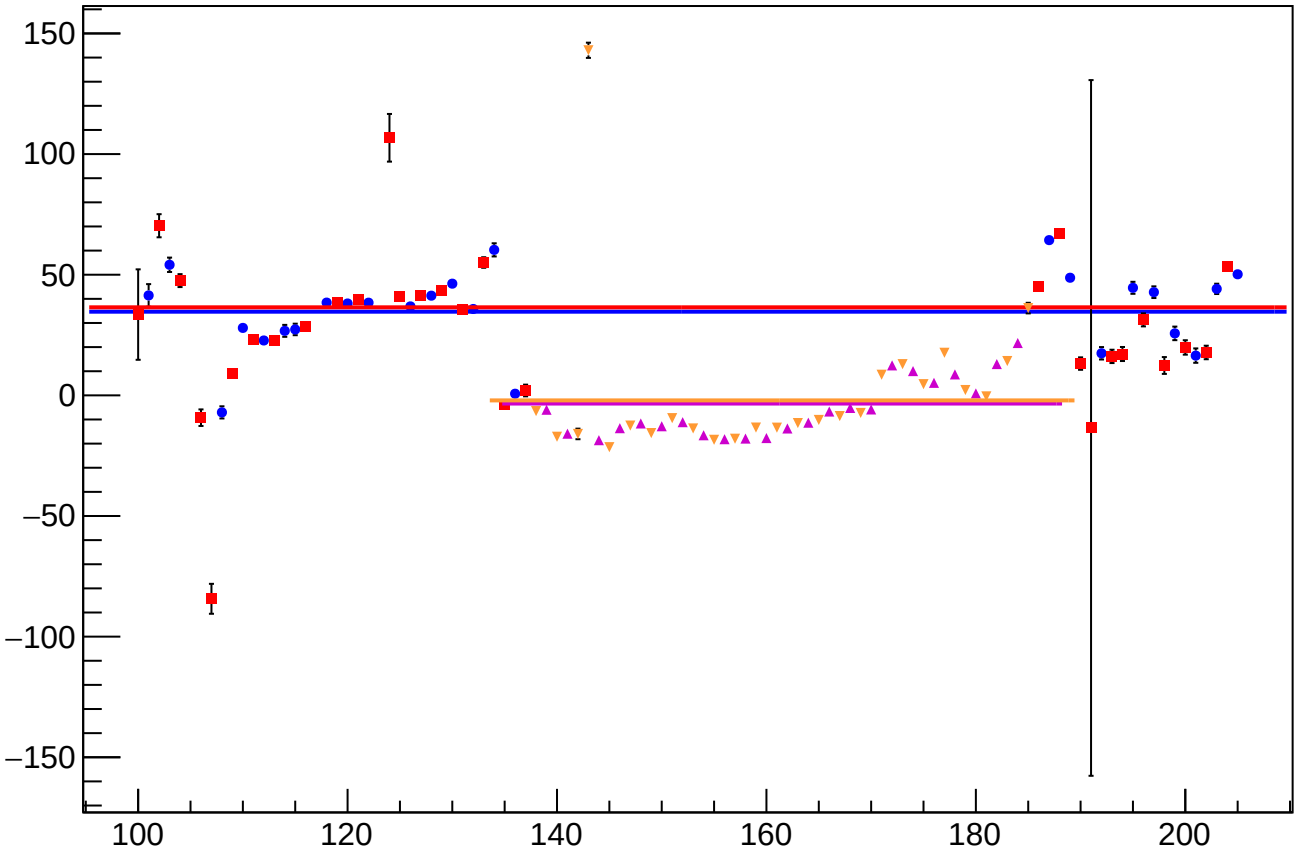
Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.435+/-0.031 χ^2/NDF: 302657.6/49

All: 117.366+/-0.022 χ^2/NDF: 577238.5/102

- sign 117.296+/-0.031 χ^2/NDF: 274571.1/52



Right In: 34.682+/-0.354 χ^2/NDF: 2374.4/24

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

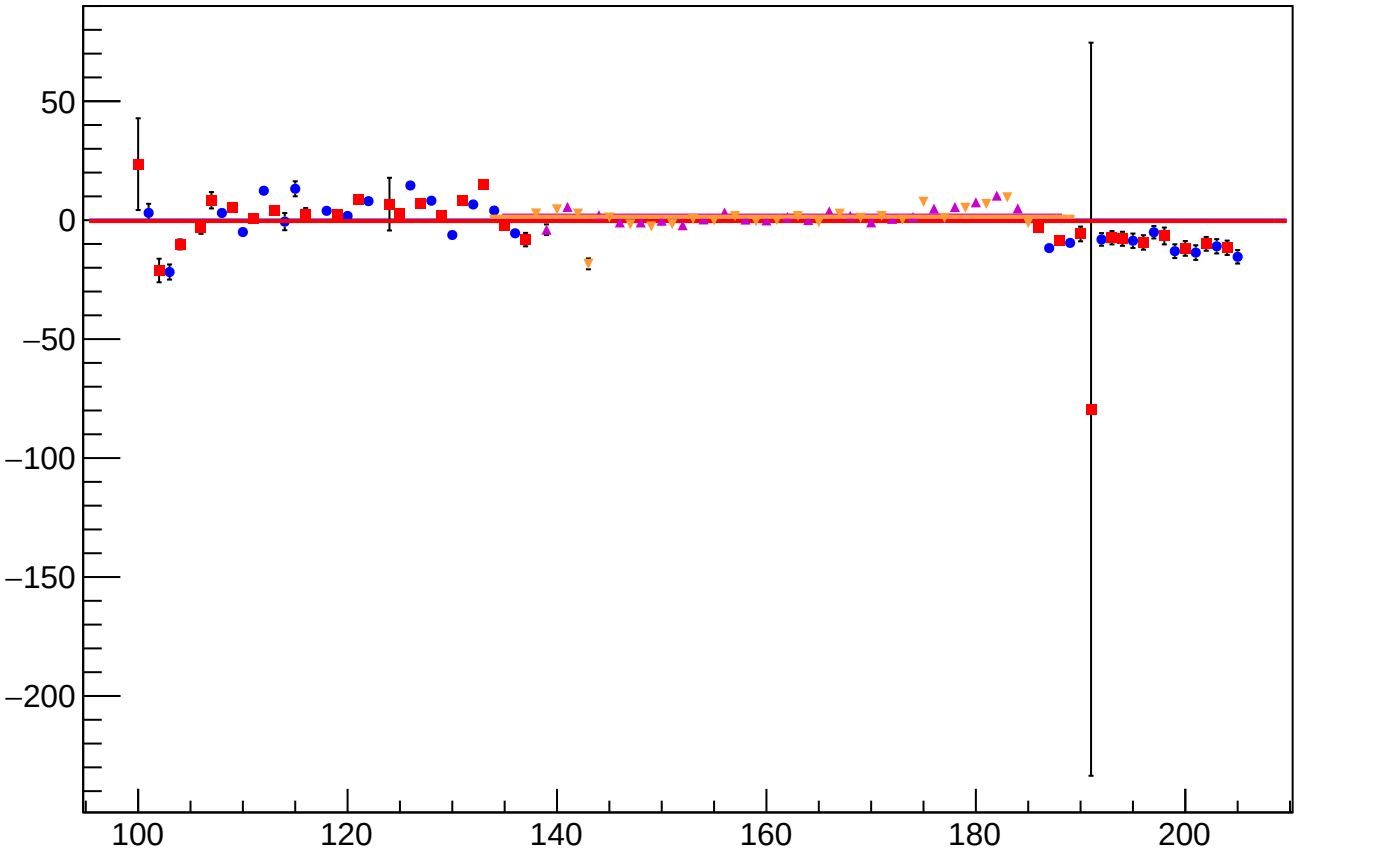
Right Out: 36.488+/-0.312 χ^2/NDF: 4690.1/29

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 11.238+/-0.213 χ^2/NDF: 13463.2/49

All: 12.547+/-0.148 χ^2/NDF: 29270.8/102

- sign 13.758+/-0.205 χ^2/NDF: 15734.9/52



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

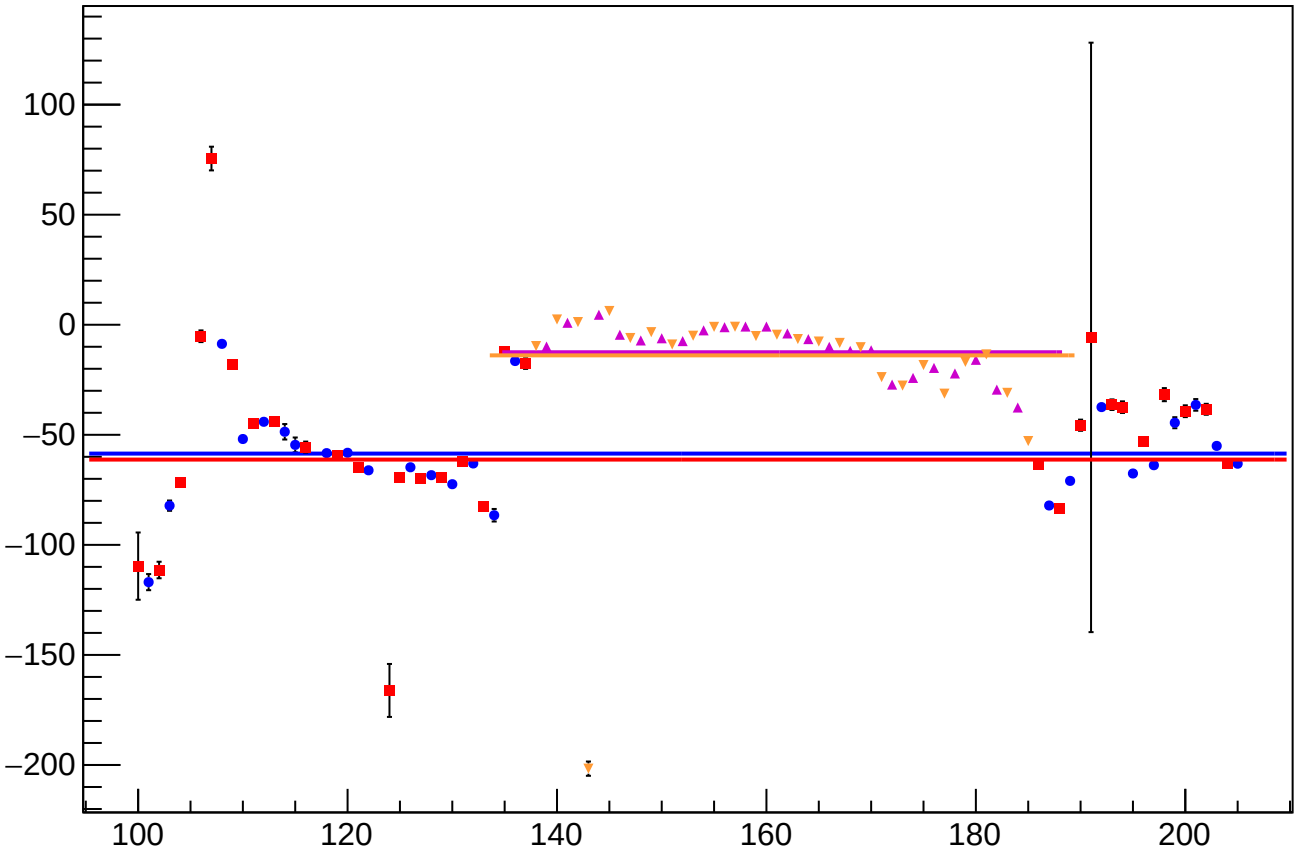
Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.134+/-0.181 χ^2/NDF: 810.9/49

All: 1.240+/-0.128 χ^2/NDF: 1471.3/102

- sign 1.348+/-0.182 χ^2/NDF: 659.7/52



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

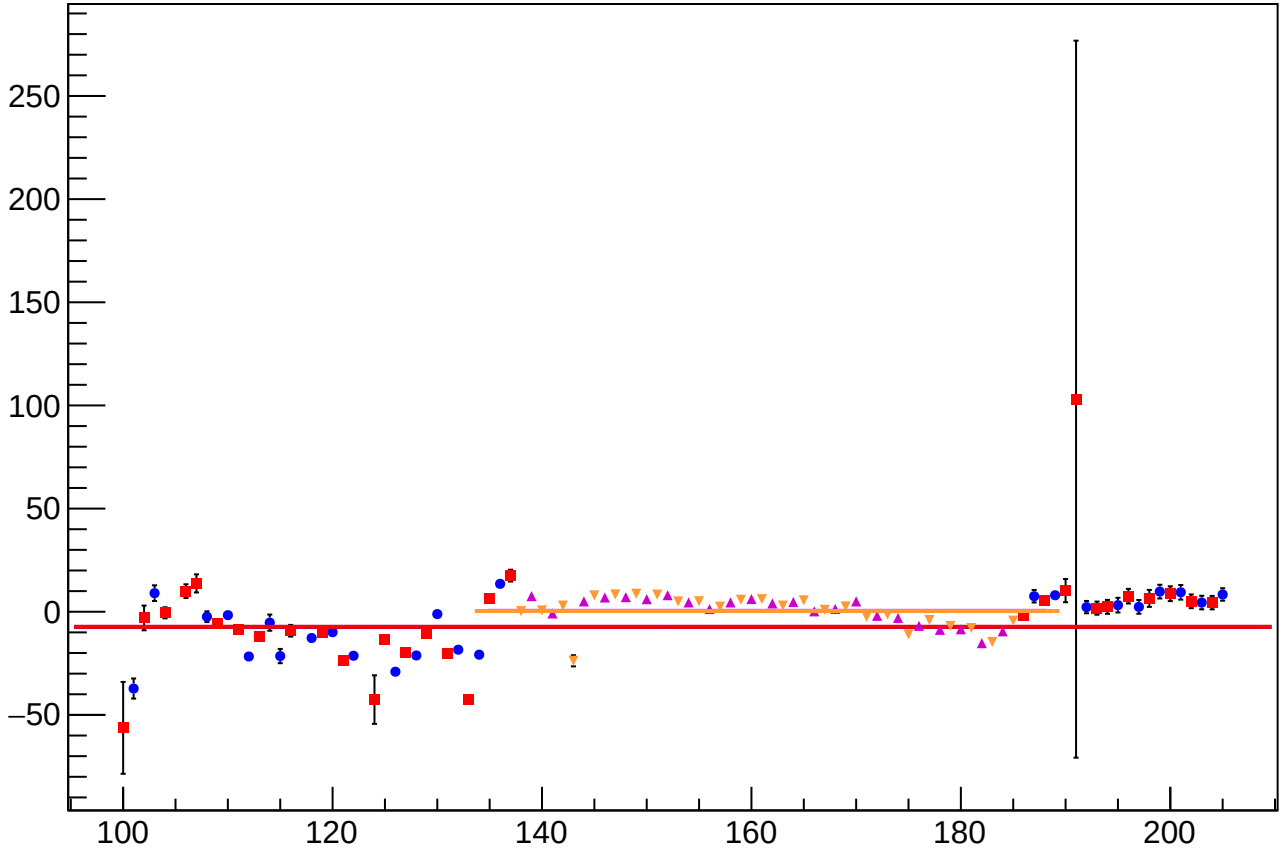
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -29.138+/-0.215 χ^2/NDF: 18161.9/49

All: -31.485+/-0.147 χ^2/NDF: 39514.7/102

- sign -33.569+/-0.202 χ^2/NDF: 21127.5/52

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

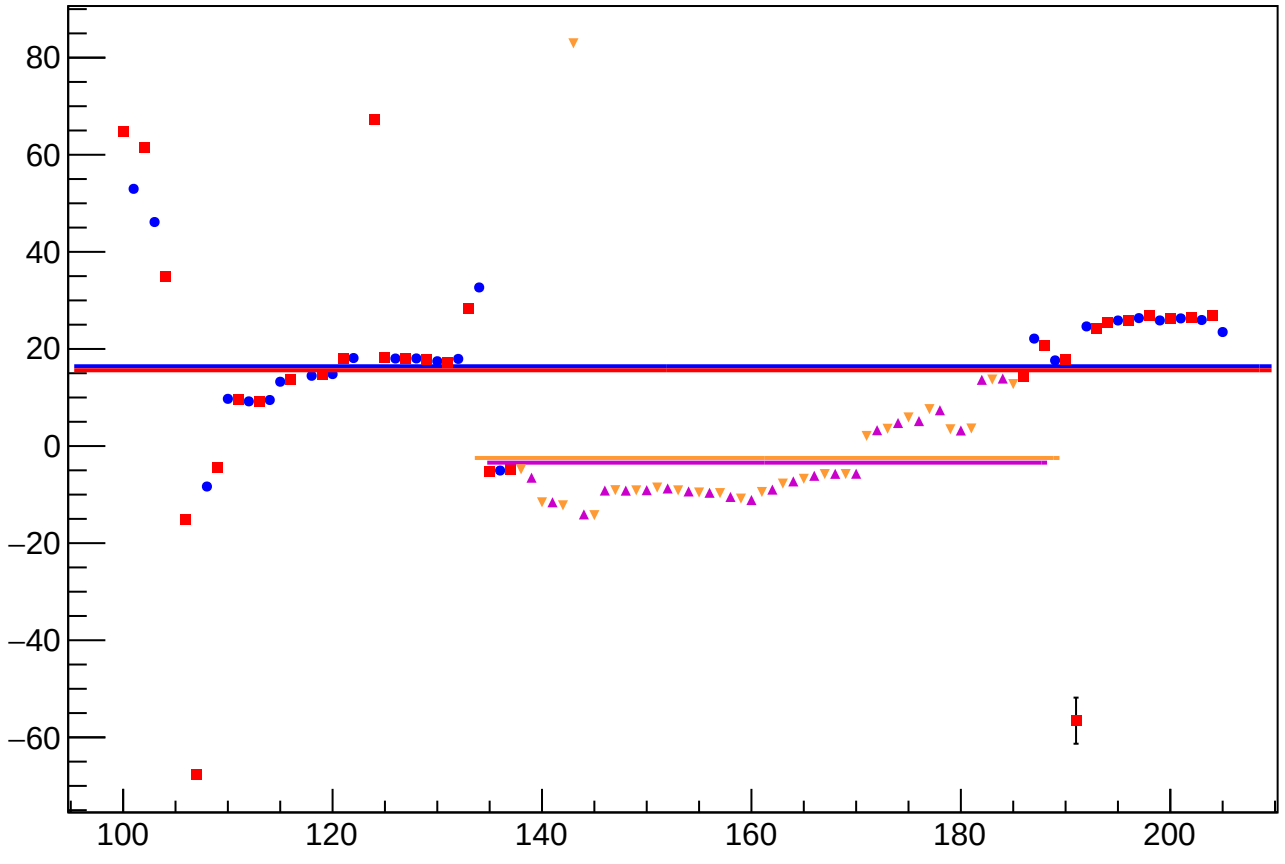
Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.246+/-0.206 χ^2/NDF: 2045.2/49

All: -1.285+/-0.146 χ^2/NDF: 3984.3/102

- sign -1.324+/-0.208 χ^2/NDF: 1939.0/52



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

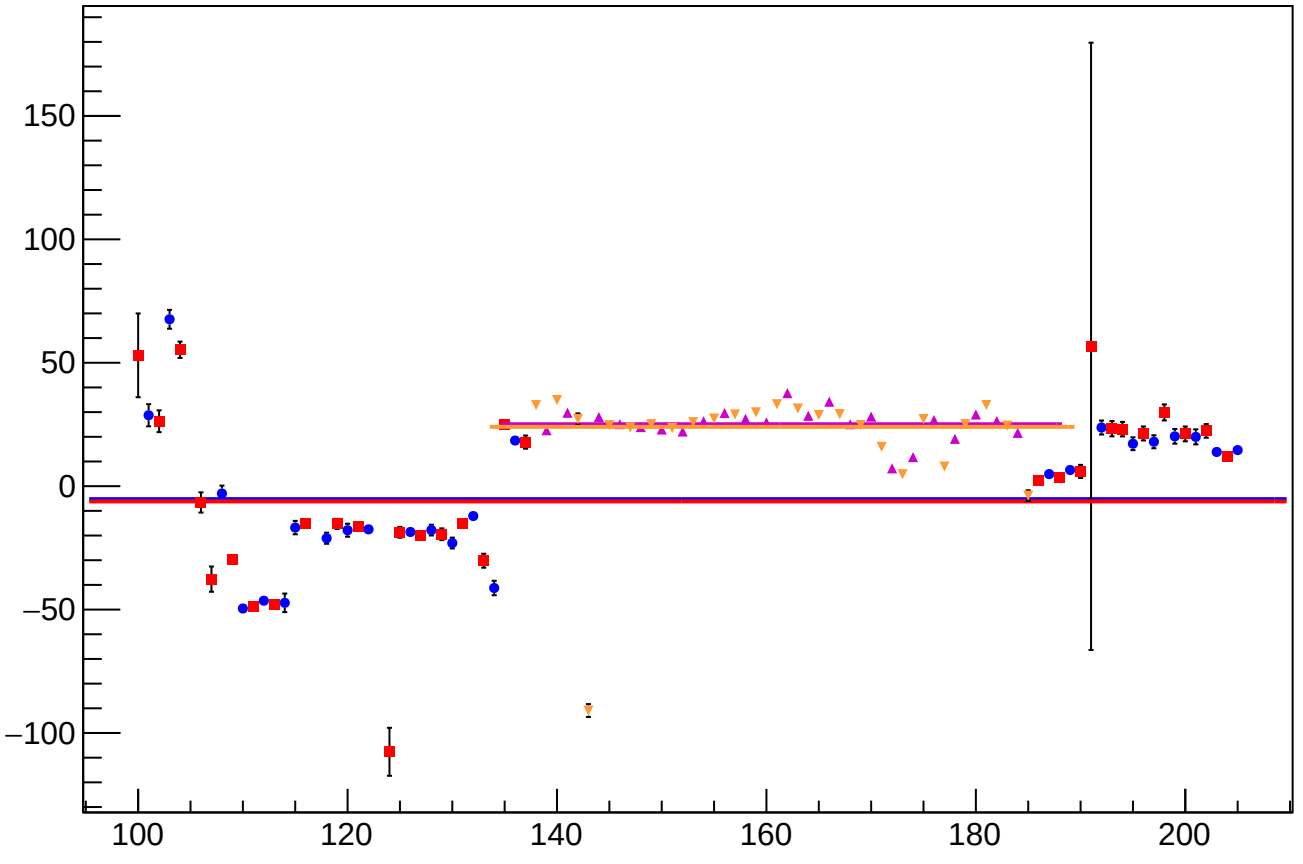
Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.653+/-0.009 χ^2/NDF: 1939621.8/49

All: 0.246+/-0.007 χ^2/NDF: 3611594.4/102

- sign -0.165+/-0.010 χ^2/NDF: 1668260.2/52



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

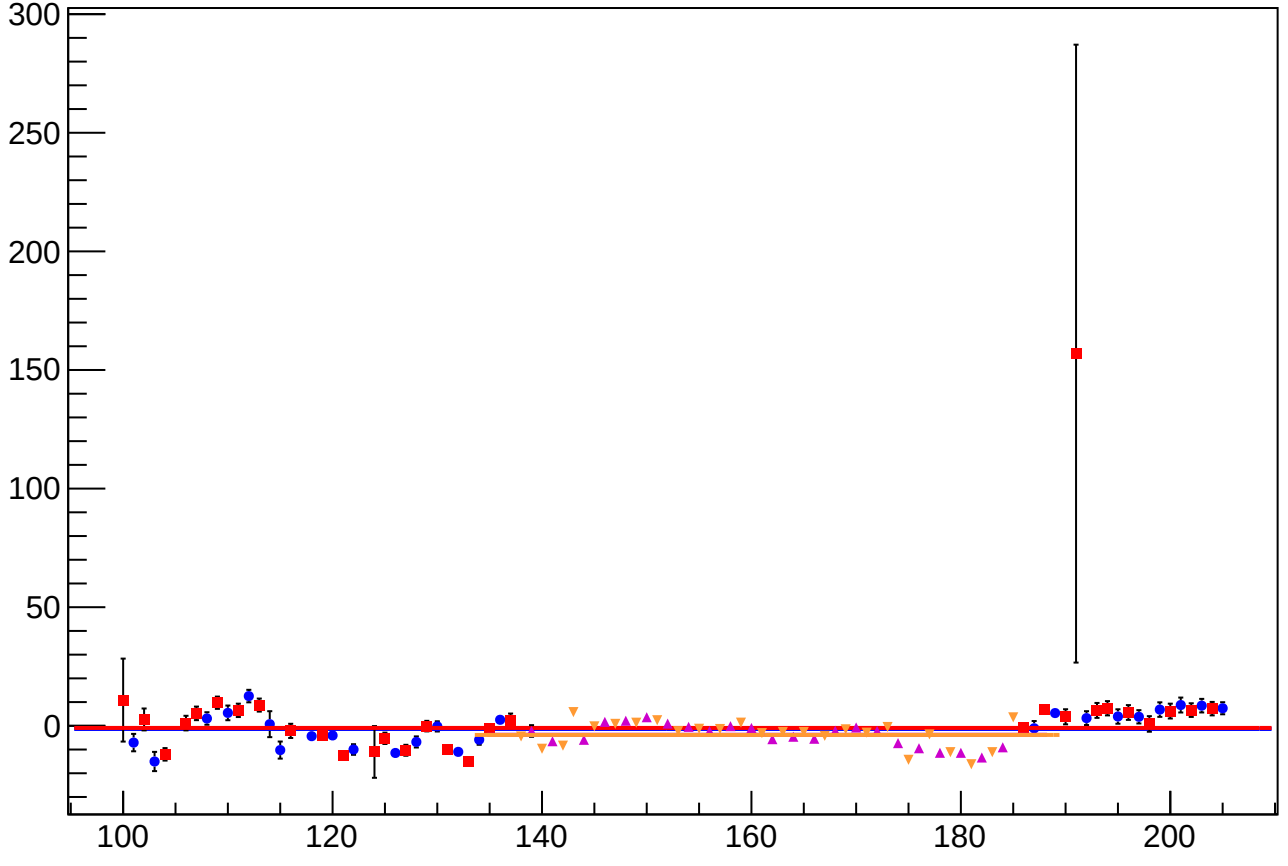
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.339+/-0.237 χ^2/NDF: 9203.1/49

All: 14.903+/-0.166 χ^2/NDF: 17191.6/102

- sign 14.477+/-0.233 χ^2/NDF: 7981.8/52

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

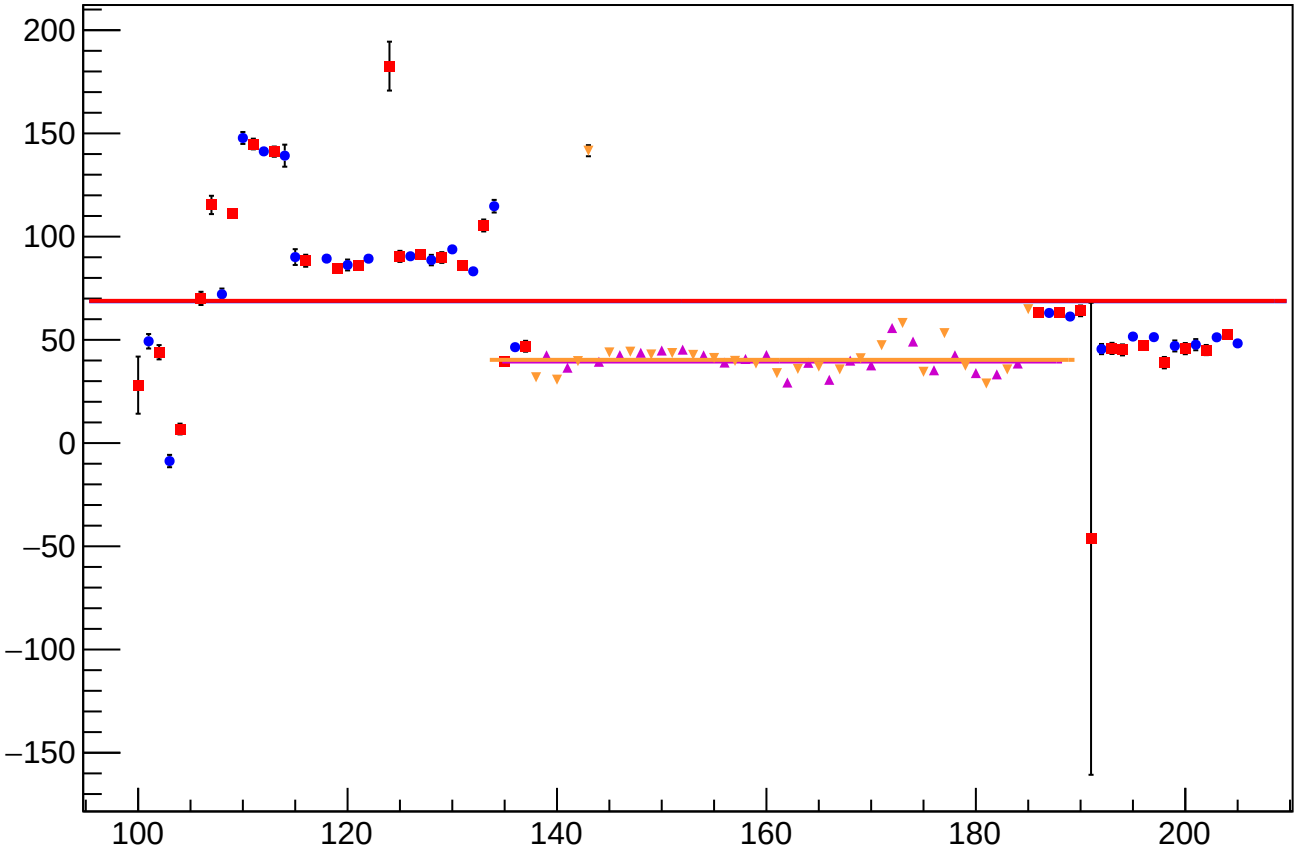
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.407+/-0.198 χ^2/NDF: 874.5/49

All: -3.312+/-0.141 χ^2/NDF: 1674.1/102

- sign -3.215+/-0.201 χ^2/NDF: 799.2/52

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

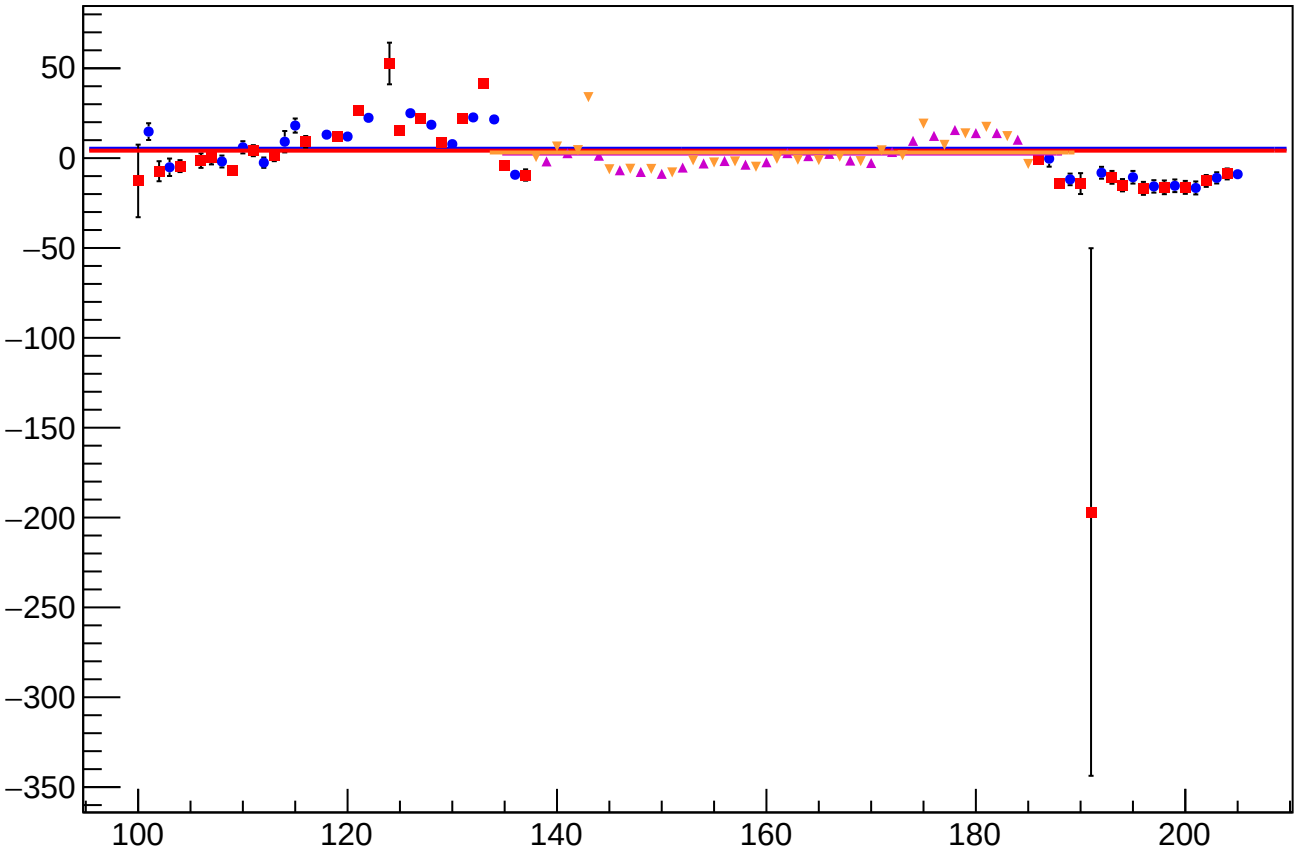
Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.290+/-0.238 χ^2/NDF: 9324.6/49

All: 48.884+/-0.166 χ^2/NDF: 17858.6/102

\- sign 49.448+/-0.232 χ^2/NDF: 8521.8/52



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

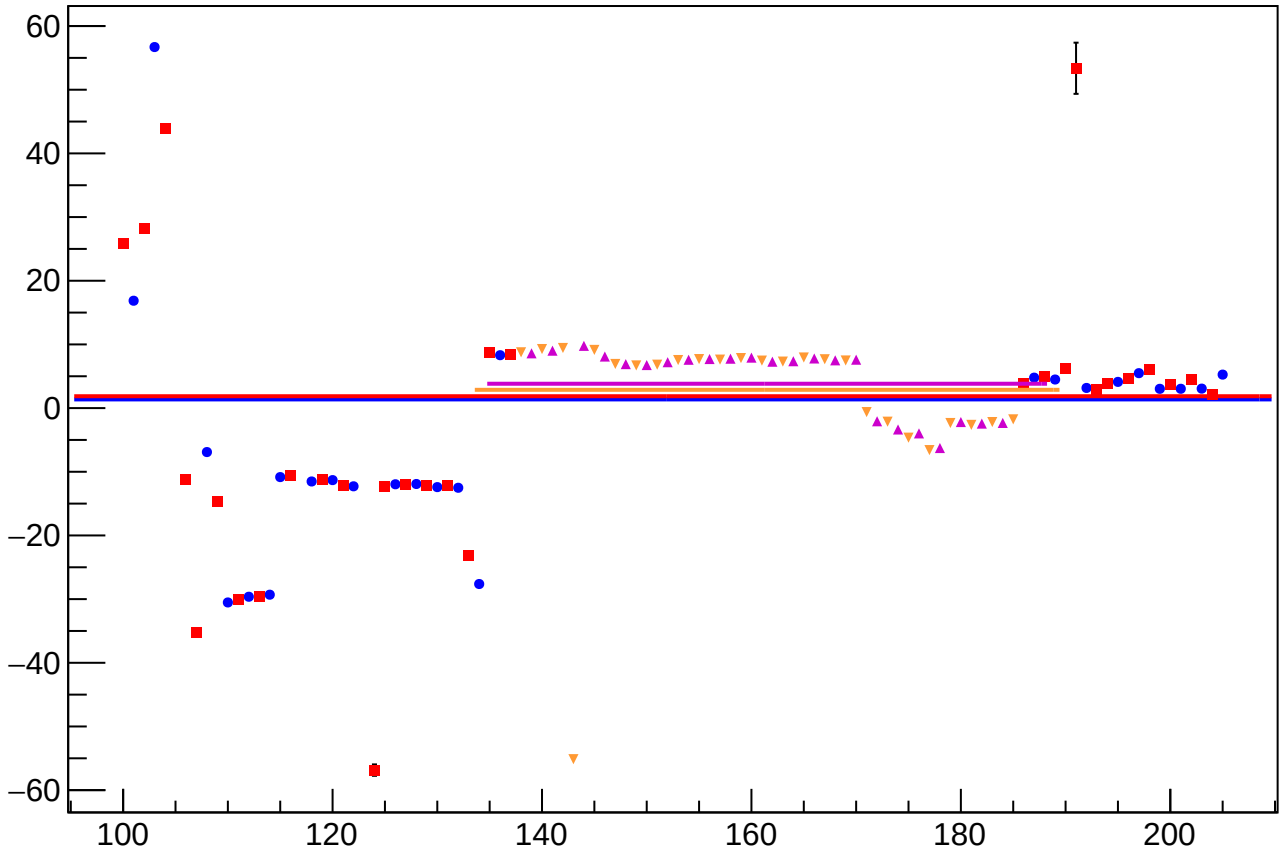
Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.491+/-0.224 χ^2/NDF: 1934.2/49

All: 3.157+/-0.160 χ^2/NDF: 3755.2/102

- sign 2.813+/-0.228 χ^2/NDF: 1816.4/52



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

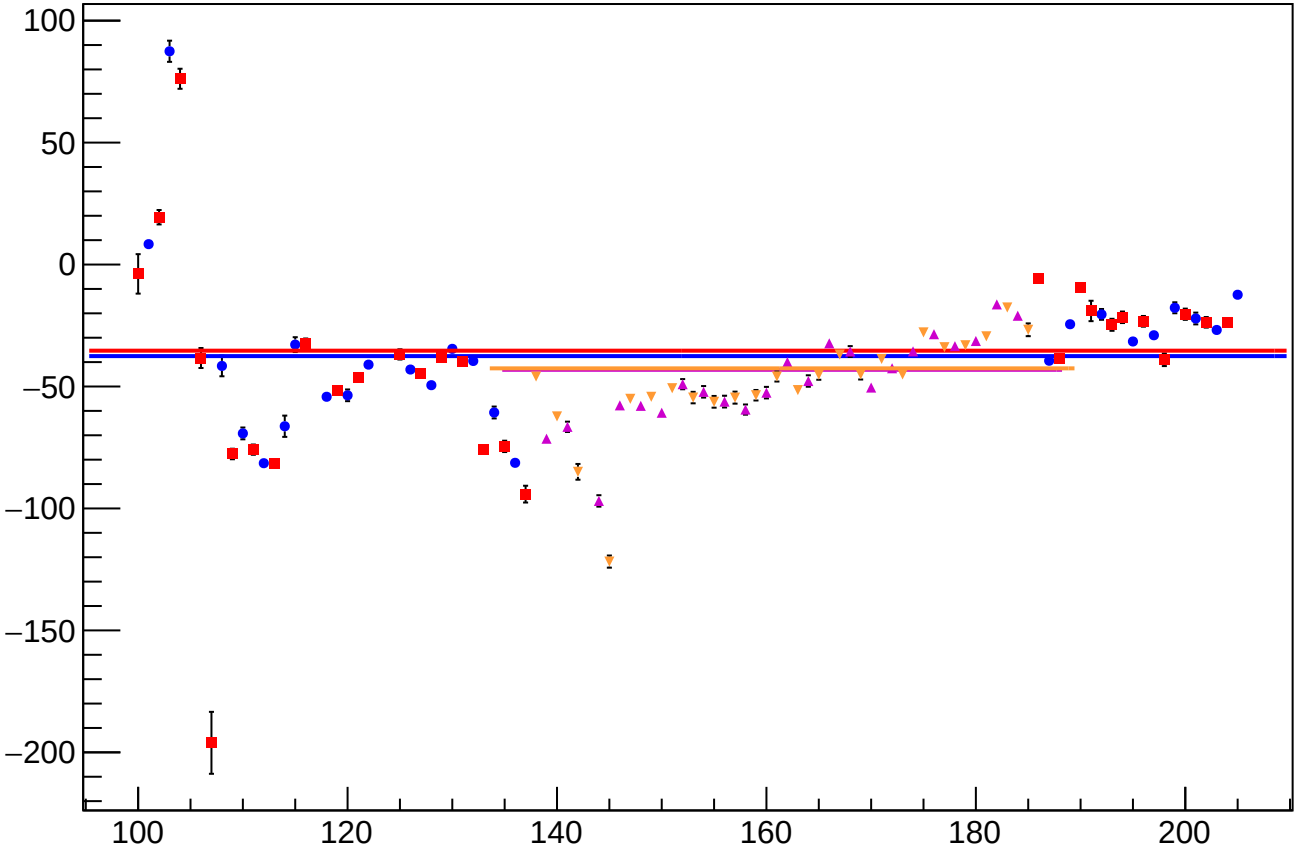
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.648+/-0.010 χ^2/NDF: 891221.9/49

All: 3.083+/-0.007 χ^2/NDF: 1459046.5/102

- sign 3.525+/-0.010 χ^2/NDF: 564114.7/52

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -37.541+/-0.395 χ^2/NDF: 3734.6/24

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.311+/-0.353 χ^2/NDF: 5225.2/28

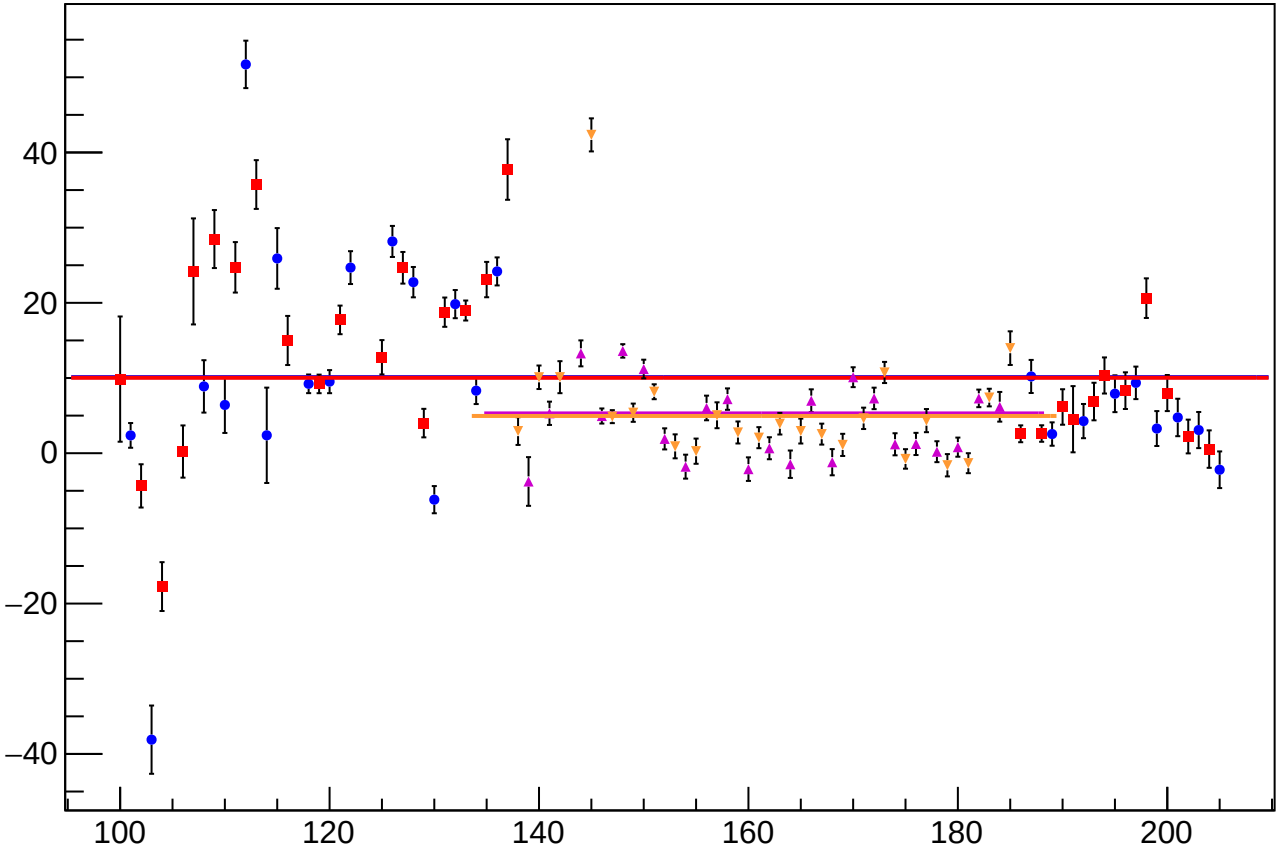
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -40.160+/-0.273 χ^2/NDF: 6145.2/48

All: -39.514+/-0.188 χ^2/NDF: 13814.9/100

- sign -38.933+/-0.259 χ^2/NDF: 7659.1/51

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 10.117+/-0.423 χ^2/NDF: 732.1/24

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.034+/-0.395 χ^2/NDF: 577.1/28

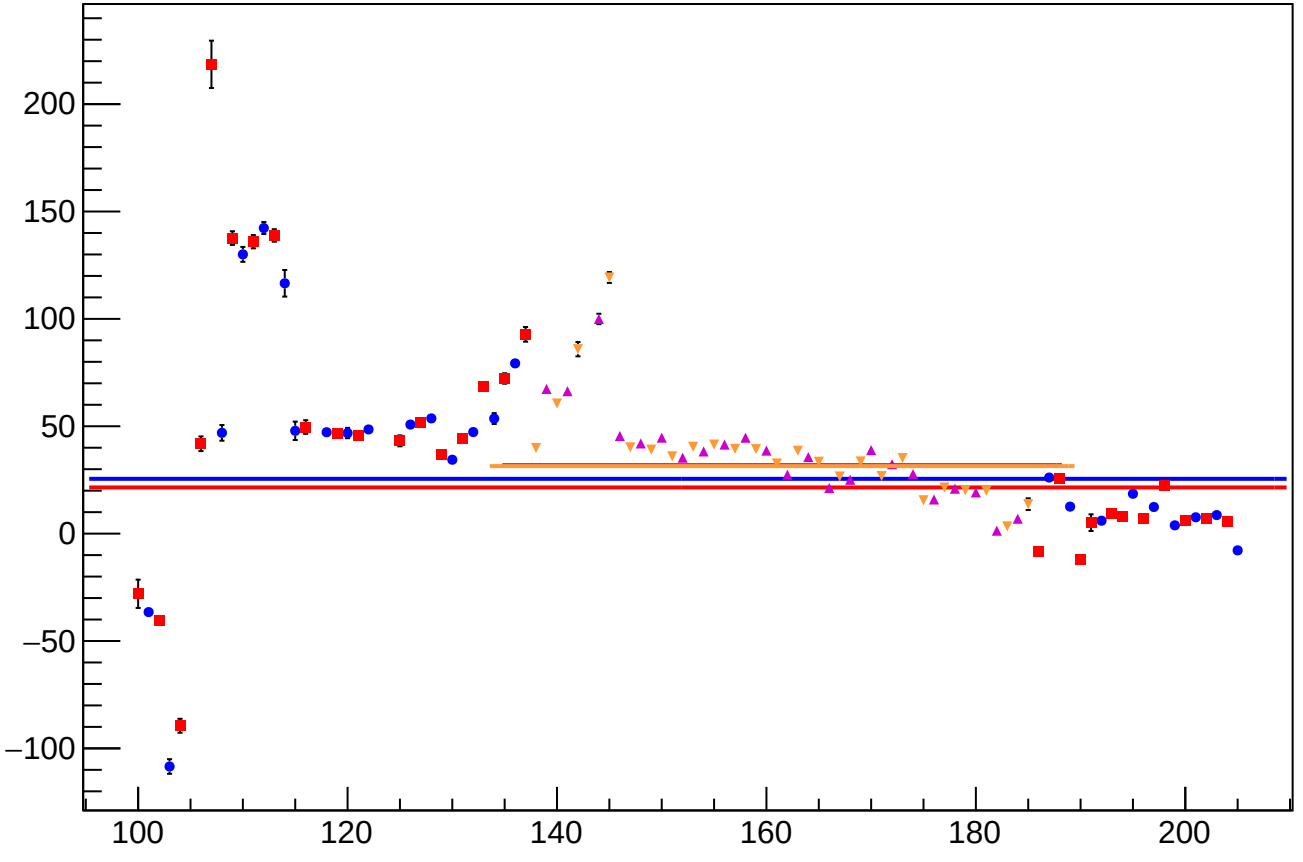
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.595+/-0.238 χ^2/NDF: 1282.9/48

All: 6.792+/-0.168 χ^2/NDF: 2240.5/100

- sign 6.985+/-0.236 χ^2/NDF: 956.2/51

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 25.521+/-0.389 χ^2/NDF: 9045.9/24

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

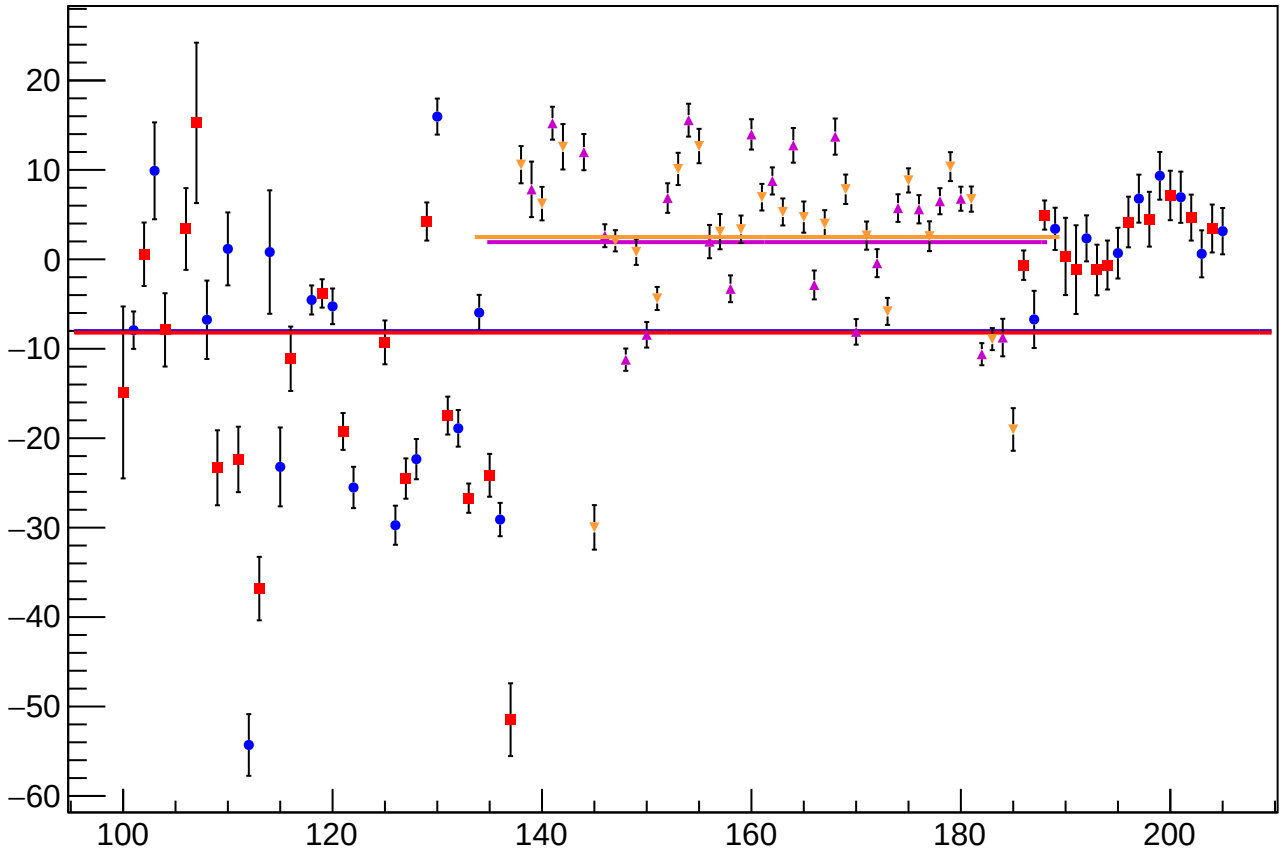
Right Out: 21.503+/-0.330 χ^2/NDF: 11319.1/28

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 28.584+/-0.270 χ^2/NDF: 11927.7/48

All: 27.187+/-0.183 χ^2/NDF: 26491.8/100

\- sign 26.002+/-0.249 χ^2/NDF: 14514.7/51



Right In: -8.032+/-0.498 χ^2/NDF: 889.9/24

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

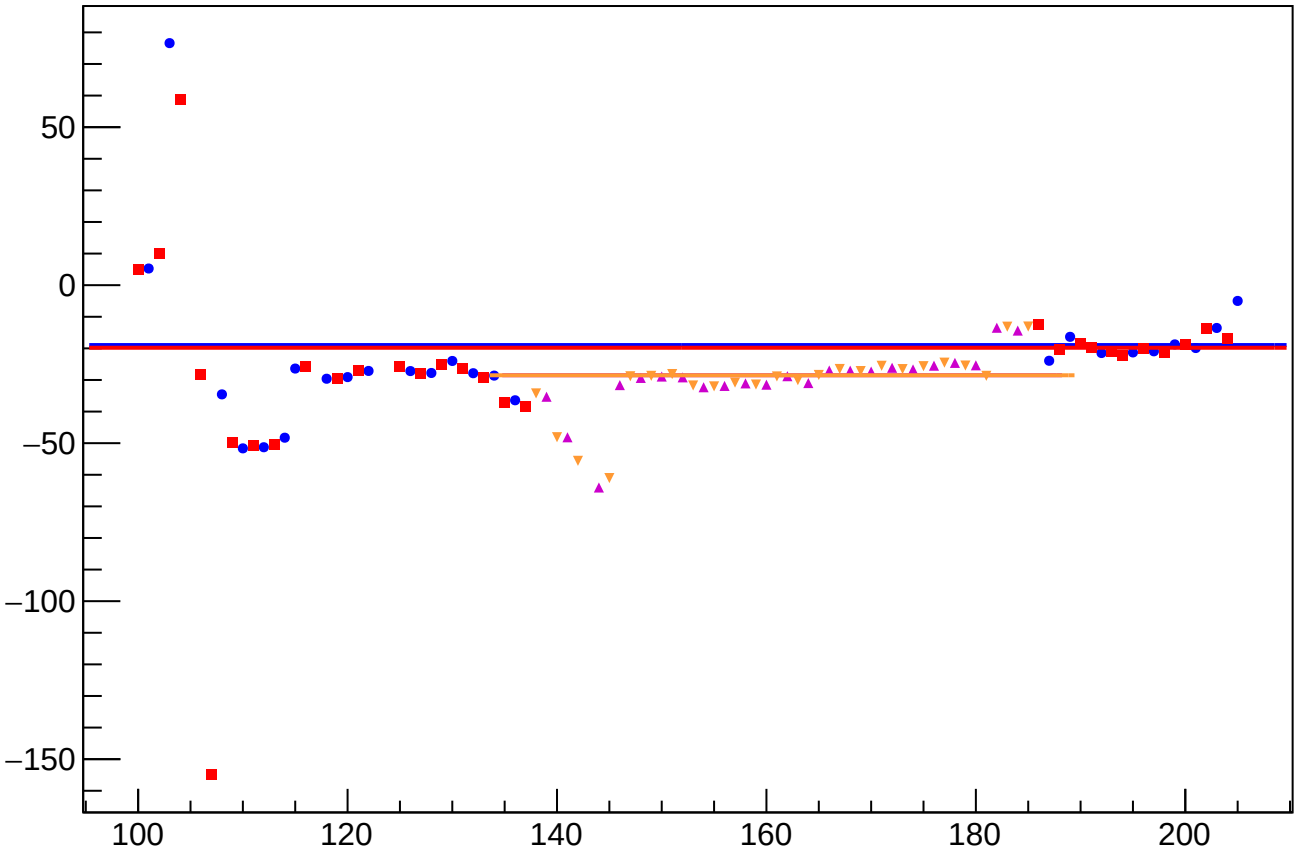
Right Out: -8.192+/-0.482 χ^2/NDF: 757.6/28

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.671+/-0.273 χ^2/NDF: 1760.7/48

All: -0.999+/-0.193 χ^2/NDF: 3498.2/100

- sign -1.329+/-0.273 χ^2/NDF: 1734.7/51



Right In: -18.952+/-0.024 χ^2/NDF: 666781.3/24

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -19.804+/-0.023 χ^2/NDF: 562359.1/28

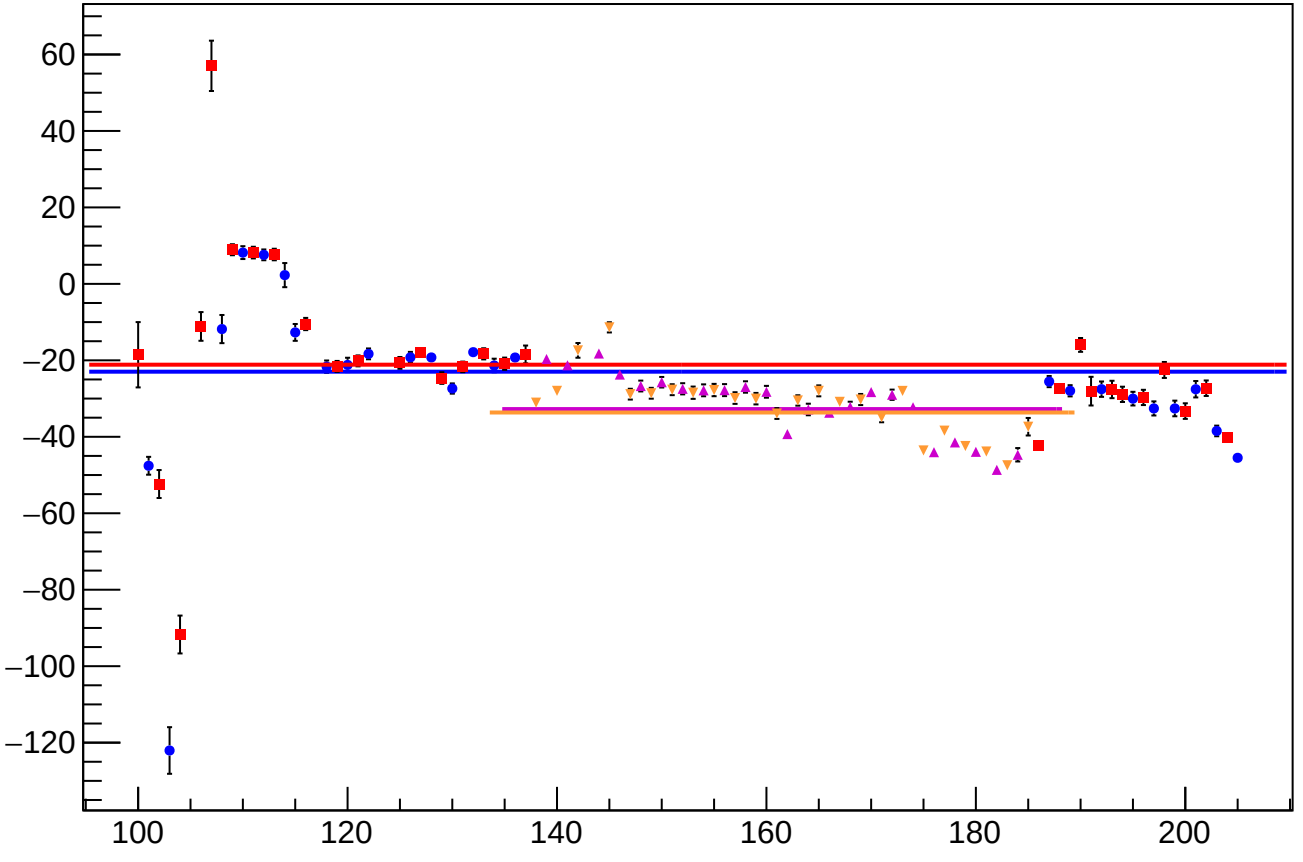
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -25.817+/-0.013 χ^2/NDF: 1118820.0/48

All: -25.857+/-0.009 χ^2/NDF: 2071924.9/100

- sign -25.897+/-0.012 χ^2/NDF: 953084.0/51

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -22.969+/-0.323 χ^2/NDF: 1922.2/24

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -21.138+/-0.309 χ^2/NDF: 2320.7/28

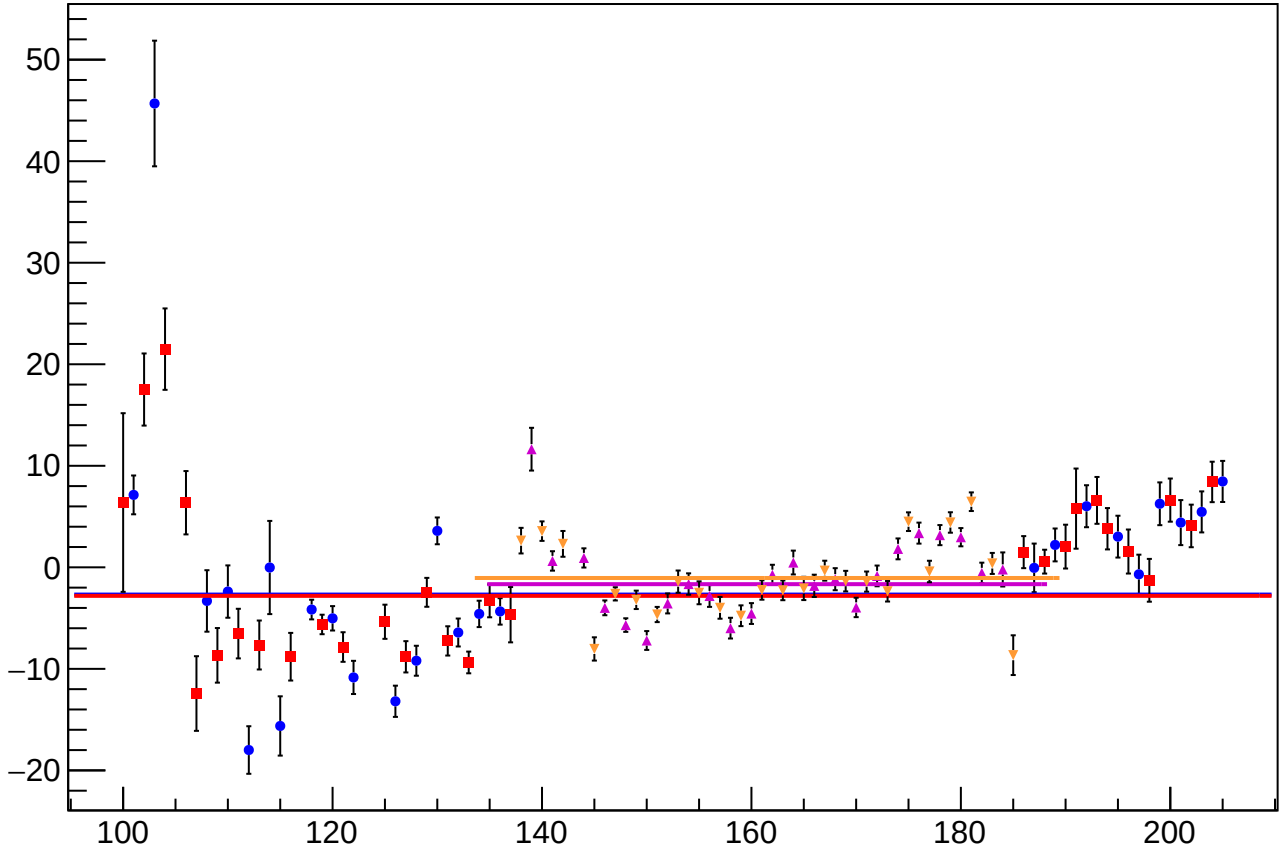
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -29.343+/-0.205 χ^2/NDF: 3591.1/48

All: -28.539+/-0.144 χ^2/NDF: 7890.3/100

\- sign -27.753+/-0.203 χ^2/NDF: 4268.8/51

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.684+/-0.345 χ^2/NDF: 392.8/24

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.809+/-0.340 χ^2/NDF: 308.9/28

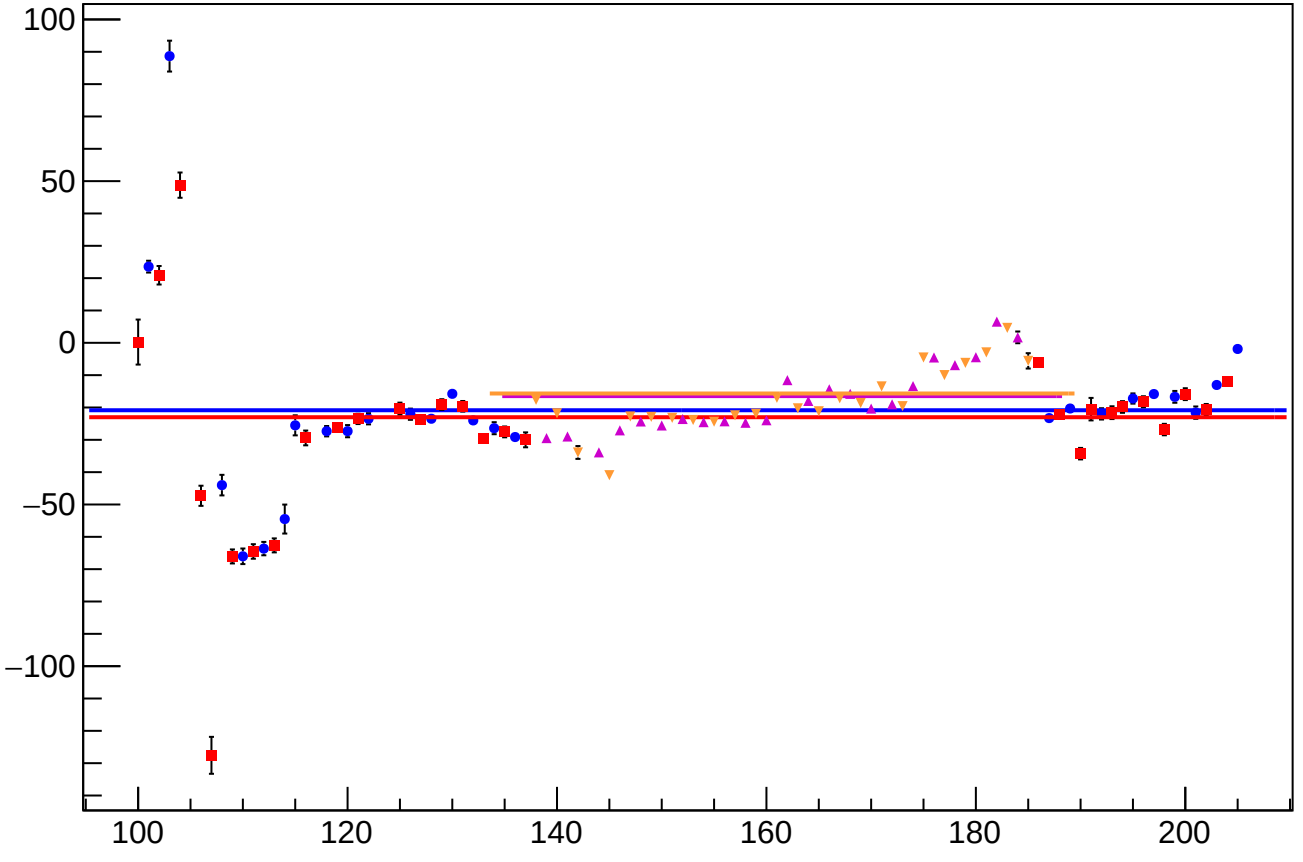
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.470+/-0.175 χ^2/NDF: 698.9/48

All: -1.717+/-0.124 χ^2/NDF: 1284.6/100

- sign -1.969+/-0.177 χ^2/NDF: 581.6/51

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -20.852+/-0.333 χ^2/NDF: 2394.8/24

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.009+/-0.309 χ^2/NDF: 2545.4/28

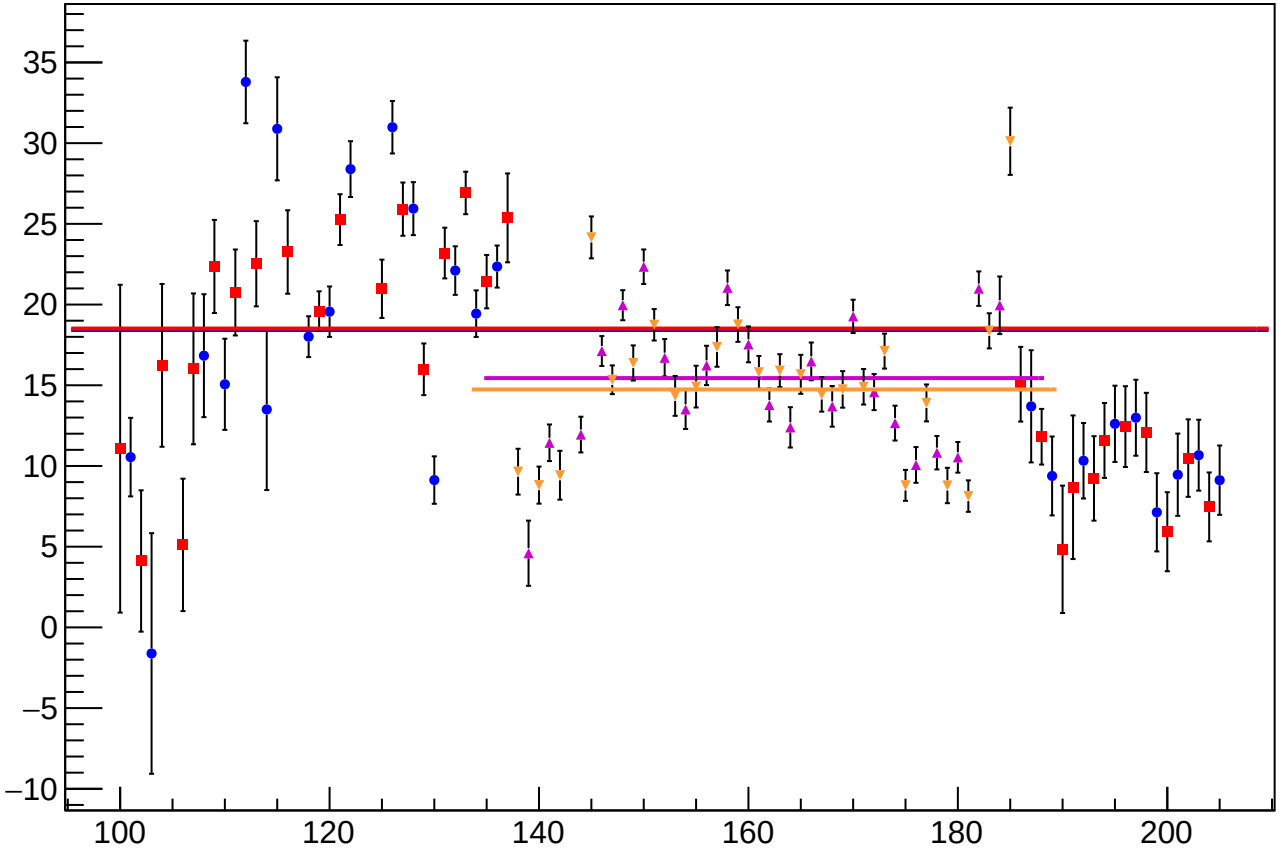
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -17.660+/-0.207 χ^2/NDF: 4064.2/48

All: -18.475+/-0.144 χ^2/NDF: 8593.8/100

- sign -19.253+/-0.202 χ^2/NDF: 4499.1/51

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 18.428+/-0.398 χ^2/NDF: 345.9/24

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.514+/-0.401 χ^2/NDF: 266.1/28

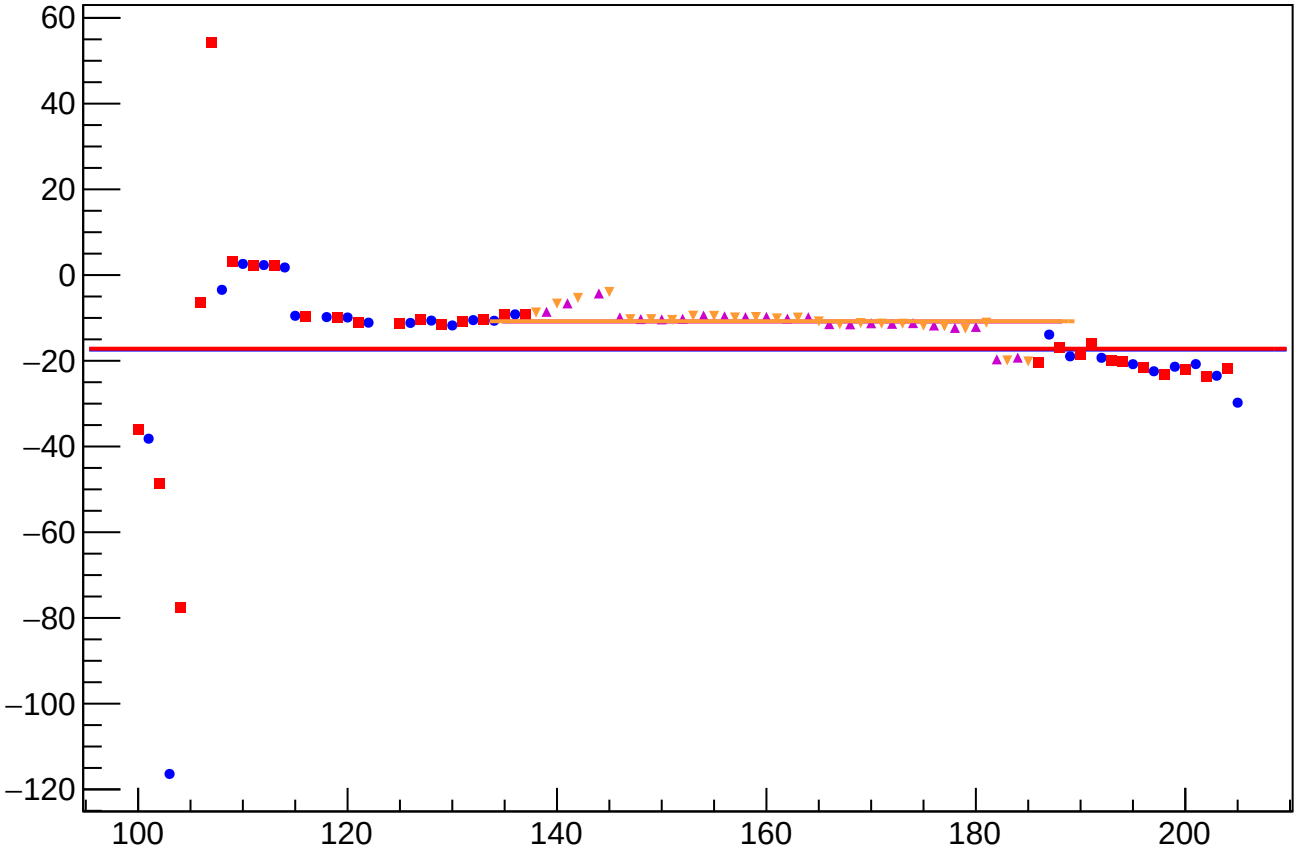
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.659+/-0.199 χ^2/NDF: 741.3/48

All: 15.936+/-0.141 χ^2/NDF: 1345.5/100

- sign 16.220+/-0.201 χ^2/NDF: 600.3/51

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -17.378+/-0.020 χ^2/NDF: 399197.0/24

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -17.184+/-0.020 χ^2/NDF: 376569.2/28

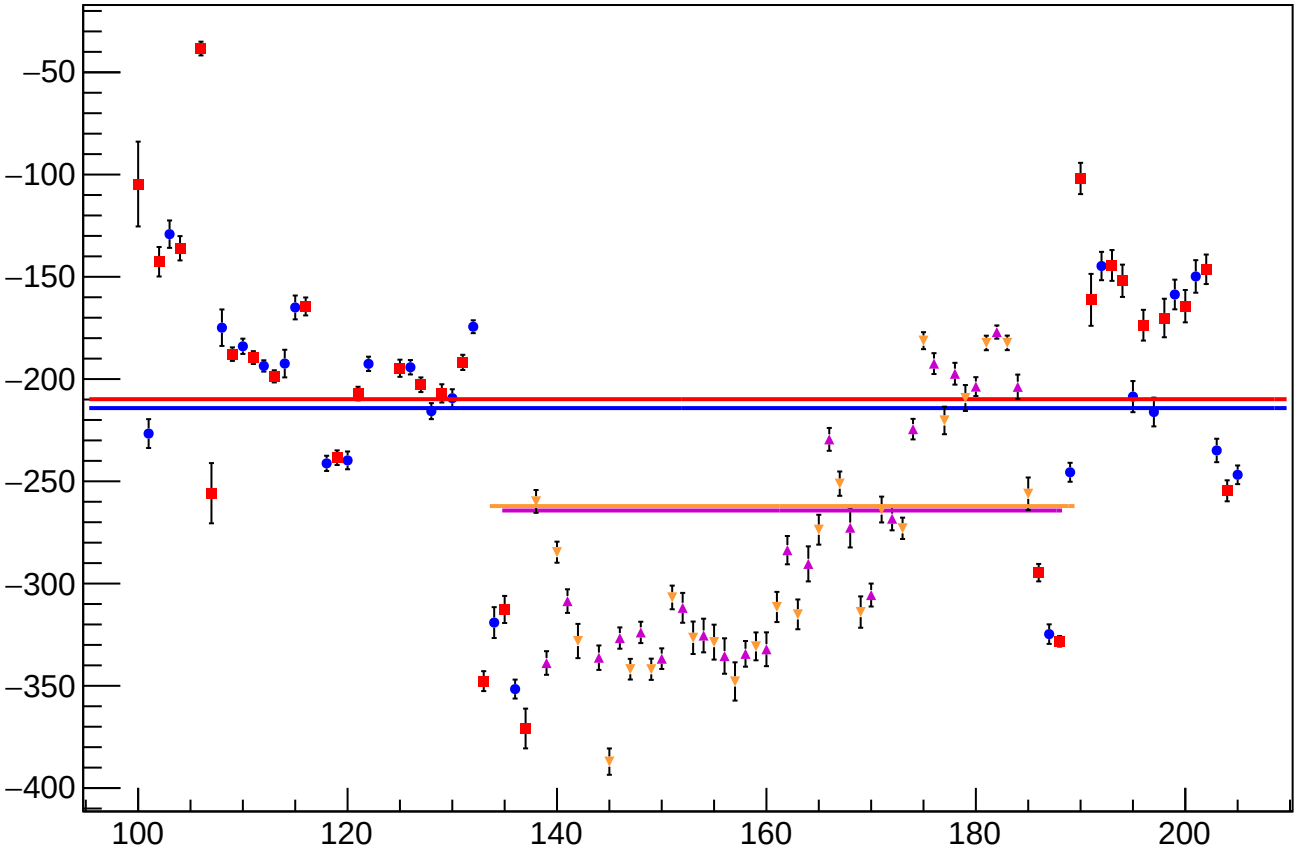
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.178+/-0.009 χ^2/NDF: 571279.8/48

All: -12.195+/-0.006 χ^2/NDF: 1104248.3/100

- sign -12.212+/-0.009 χ^2/NDF: 532961.3/51

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.197+/-0.936 χ^2/NDF: 2649.9/24

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

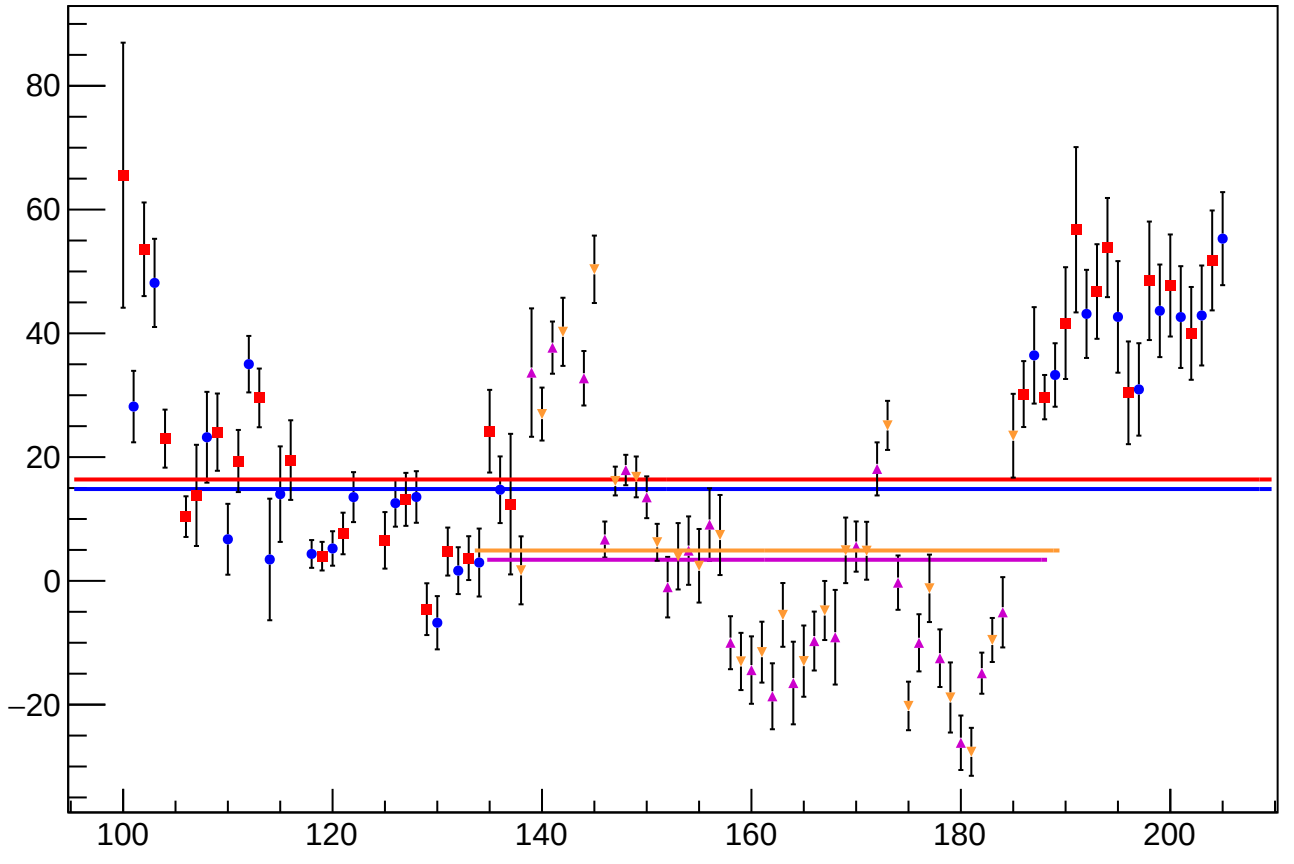
Right Out: -209.835+/-0.854 χ^2/NDF: 7620.0/28

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.716+/-0.733 χ^2/NDF: 6627.1/48

All: -230.460+/-0.504 χ^2/NDF: 18394.4/100

- sign -228.443+/-0.693 χ^2/NDF: 11749.4/51



Right In: 14.839+/-0.975 χ^2/NDF: 245.6/24

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.386+/-0.930 χ^2/NDF: 266.6/28

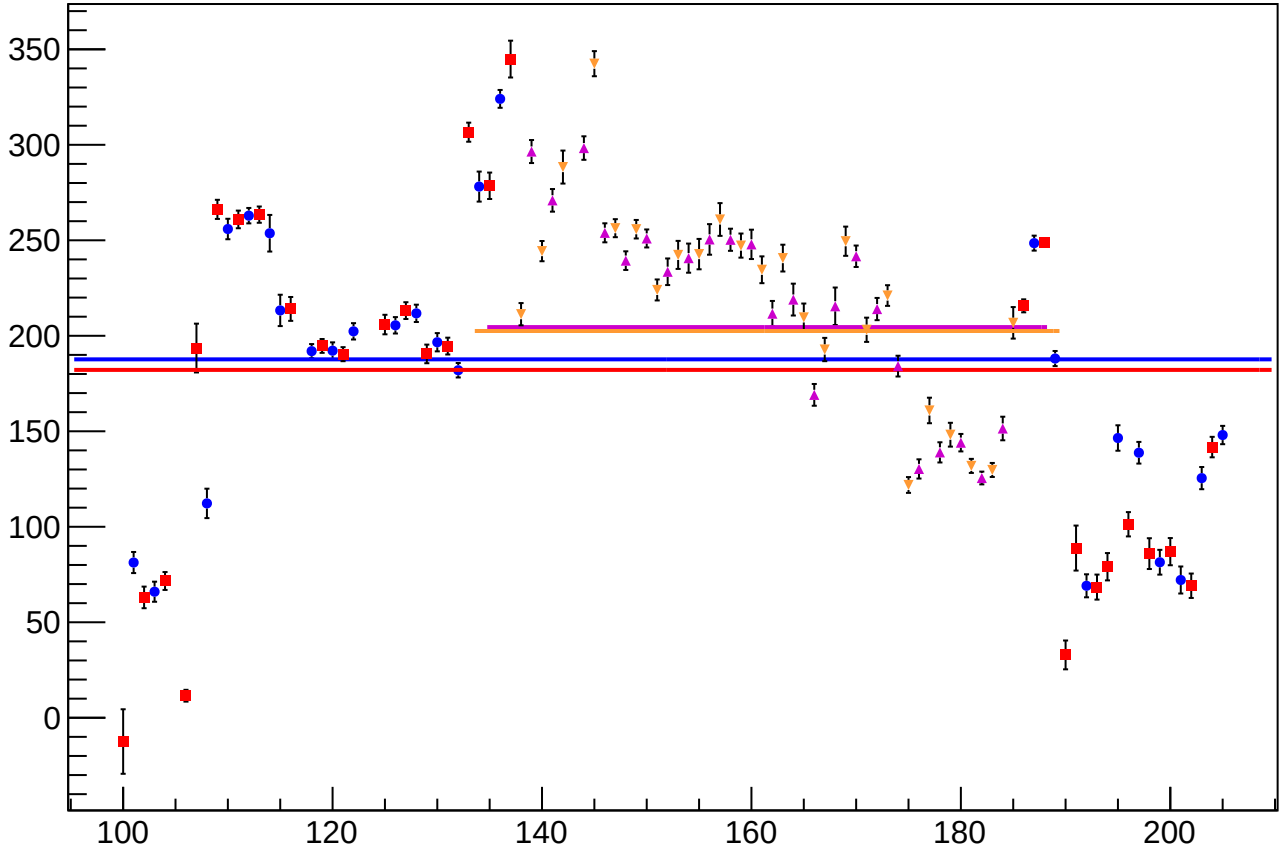
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 9.399+/-0.656 χ^2/NDF: 701.3/48

All: 9.545+/-0.461 χ^2/NDF: 1401.7/100

- sign 9.688+/-0.647 χ^2/NDF: 700.4/51

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 187.663+/-1.004 χ^2/NDF: 4076.0/24

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 182.139+/-0.886 χ^2/NDF: 9302.6/28

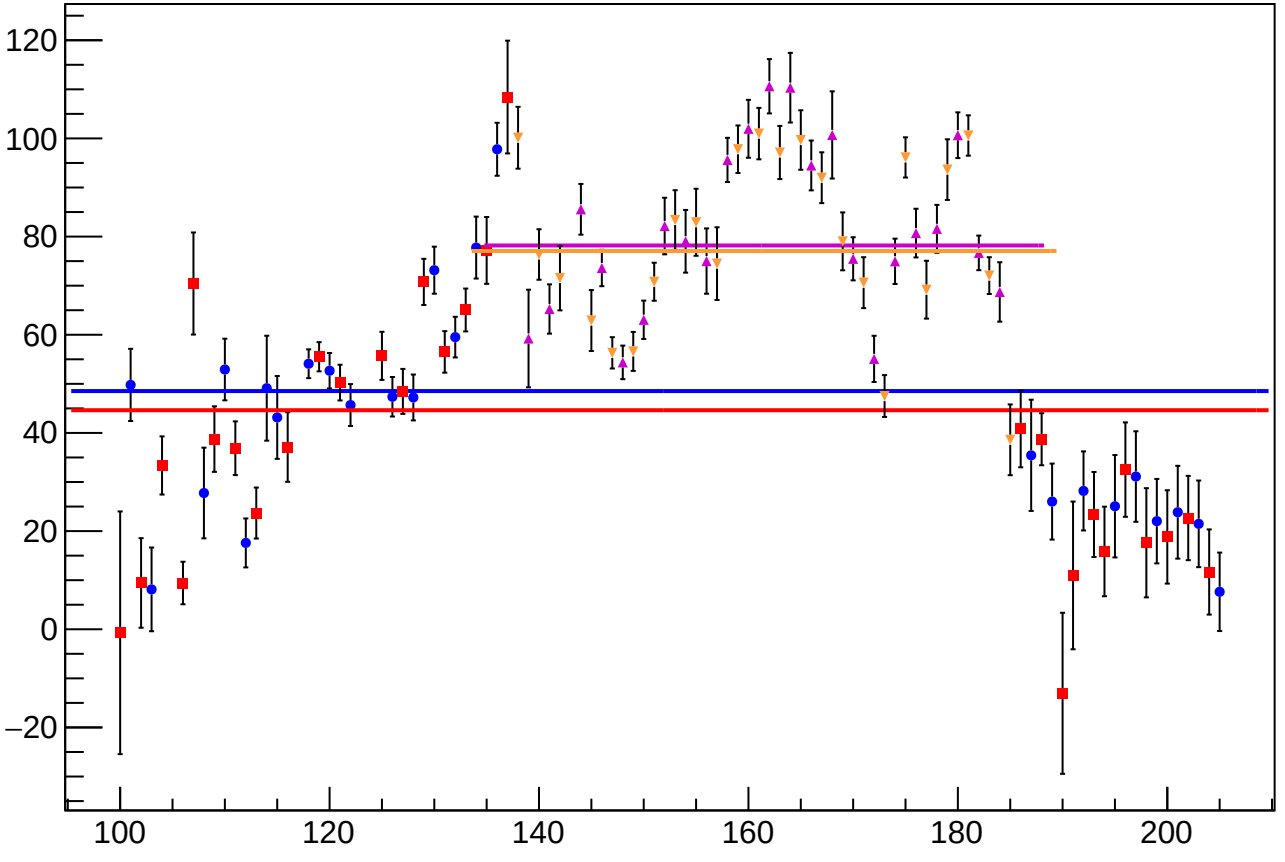
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 193.941+/-0.763 χ^2/NDF: 6562.0/48

All: 191.959+/-0.519 χ^2/NDF: 18394.5/100

- sign 190.250+/-0.708 χ^2/NDF: 11819.8/51

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 48.531+/-1.145 χ^2/NDF: 287.4/24

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 44.626+/-1.104 χ^2/NDF: 320.8/28

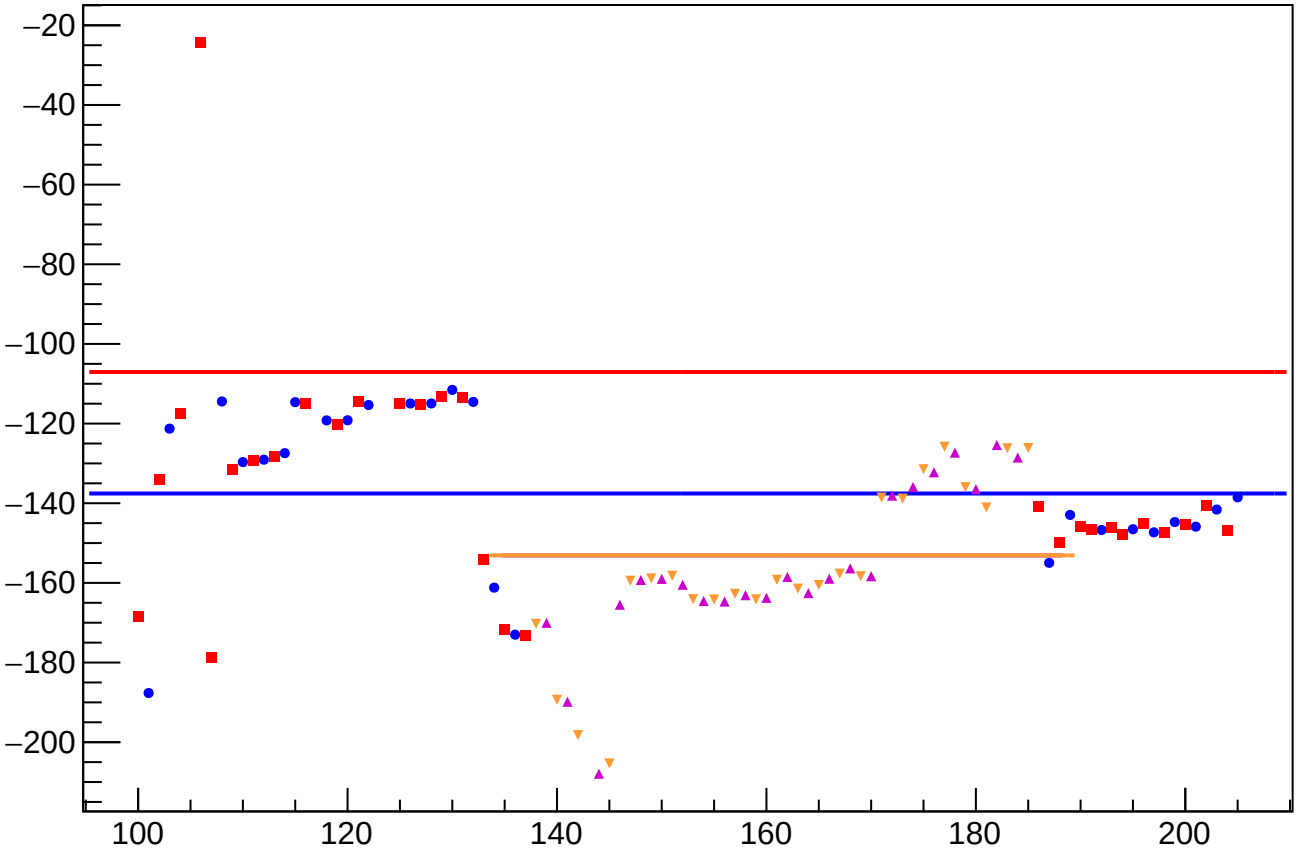
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 64.503+/-0.760 χ^2/NDF: 946.3/48

All: 63.563+/-0.534 χ^2/NDF: 1998.8/100

- sign 62.642+/-0.751 χ^2/NDF: 1049.5/51

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.555+/-0.064 χ^2/NDF: 102975.2/24

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.046+/-0.053 χ^2/NDF: 977833.7/28

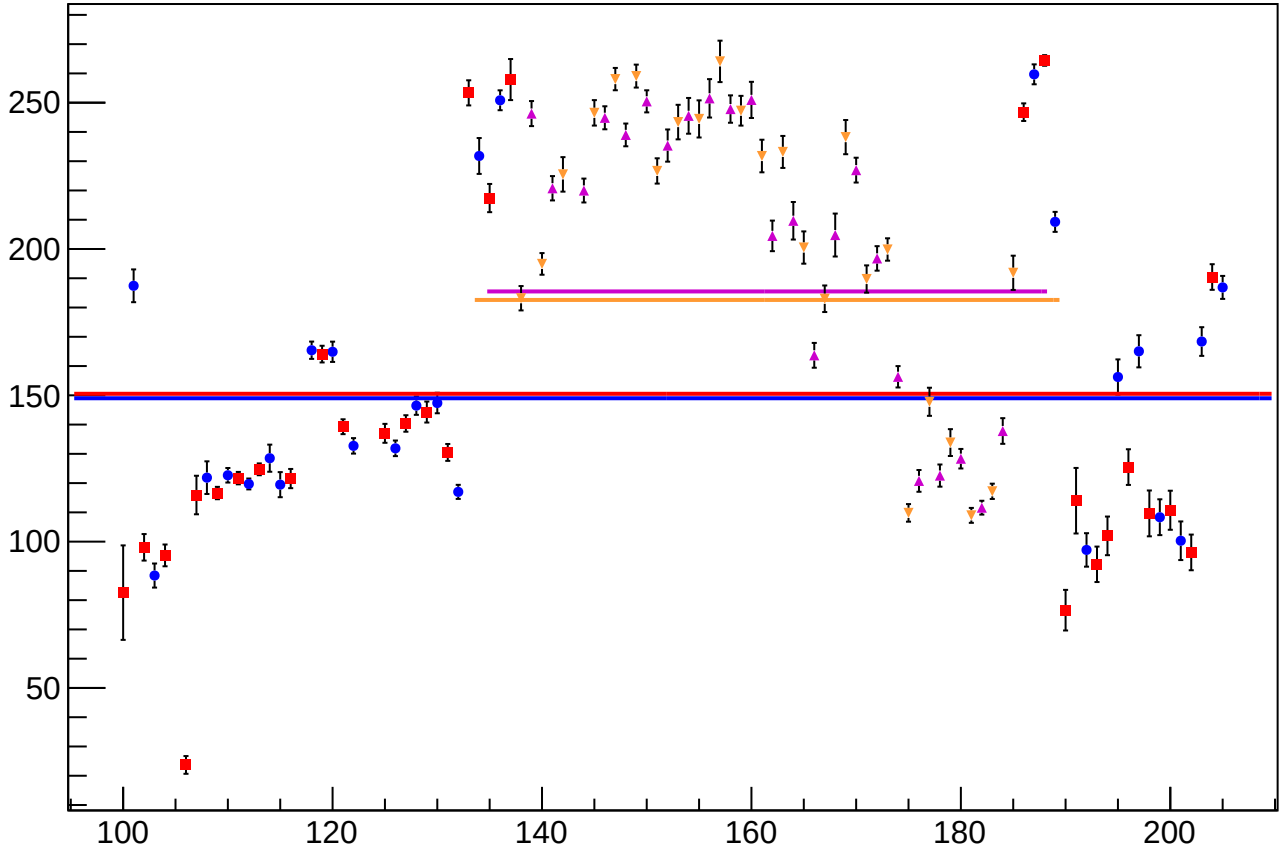
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

\+ sign -147.631+/-0.038 χ^2/NDF: 319056.3/48

All: -139.769+/-0.026 χ^2/NDF: 1969419.2/10

\- sign -133.016+/-0.035 χ^2/NDF: 1569884.2/51

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.993+/-0.699 χ^2/NDF: 3769.2/24

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.521+/-0.633 χ^2/NDF: 9453.9/28

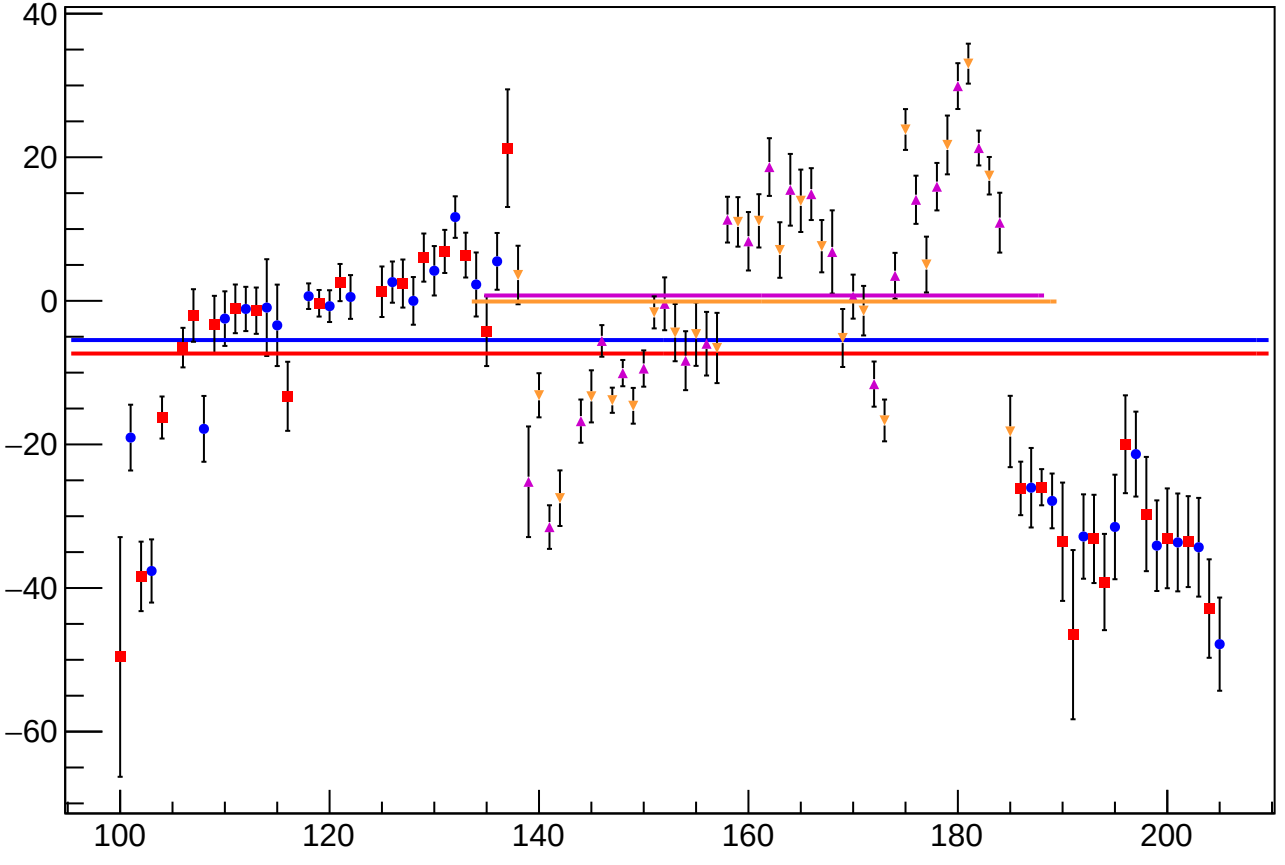
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 162.259+/-0.544 χ^2/NDF: 8832.5/48

All: 162.433+/-0.373 χ^2/NDF: 23161.7/100

- sign 162.588+/-0.512 χ^2/NDF: 14328.9/51

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.463+/-0.745 χ^2/NDF: 344.9/24

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.340+/-0.701 χ^2/NDF: 392.3/28

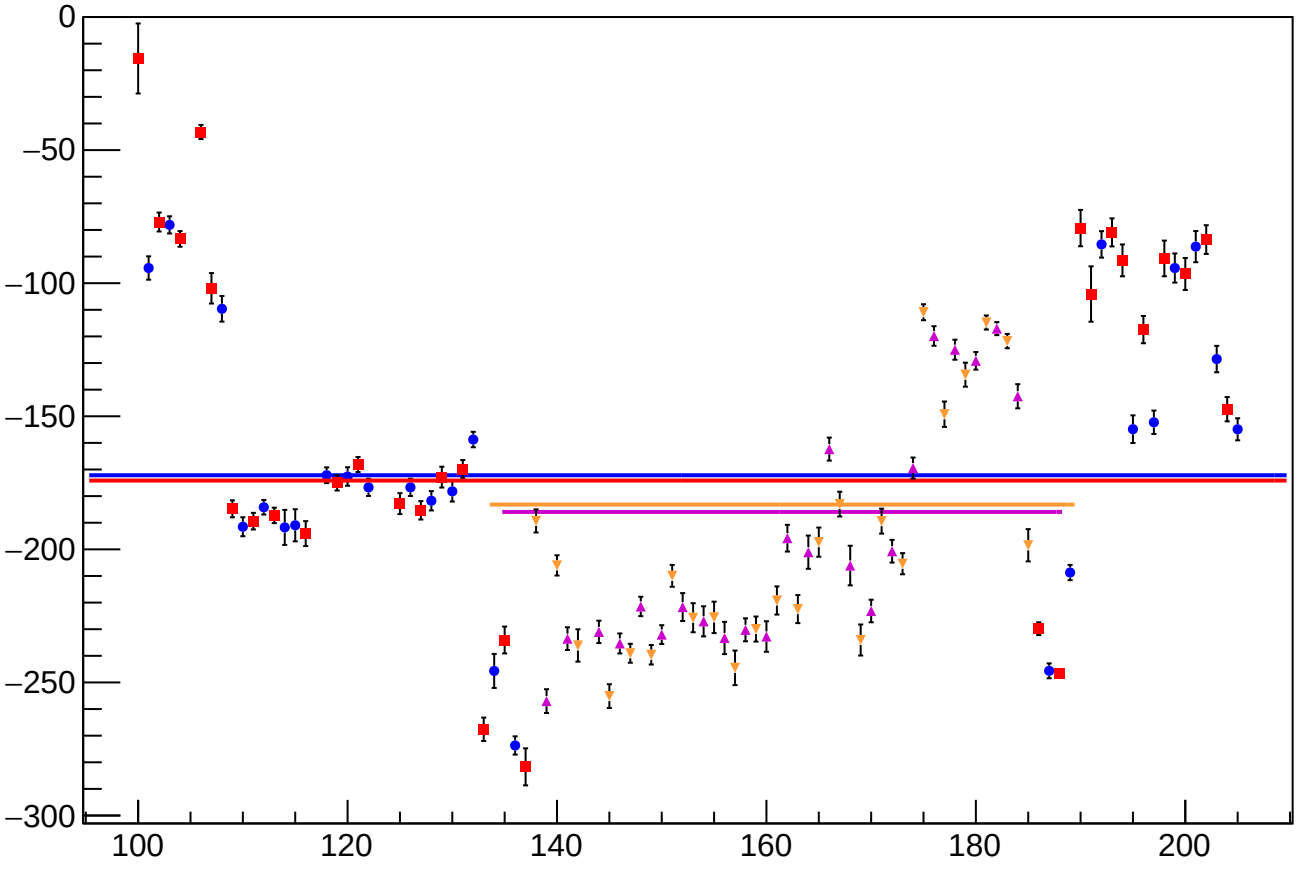
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.431+/-0.492 χ^2/NDF: 929.5/48

All: -2.763+/-0.345 χ^2/NDF: 1890.5/100

- sign -3.083+/-0.483 χ^2/NDF: 960.0/51

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.160+/-0.754 χ^2/NDF: 4144.0/24

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.152+/-0.659 χ^2/NDF: 9862.6/28

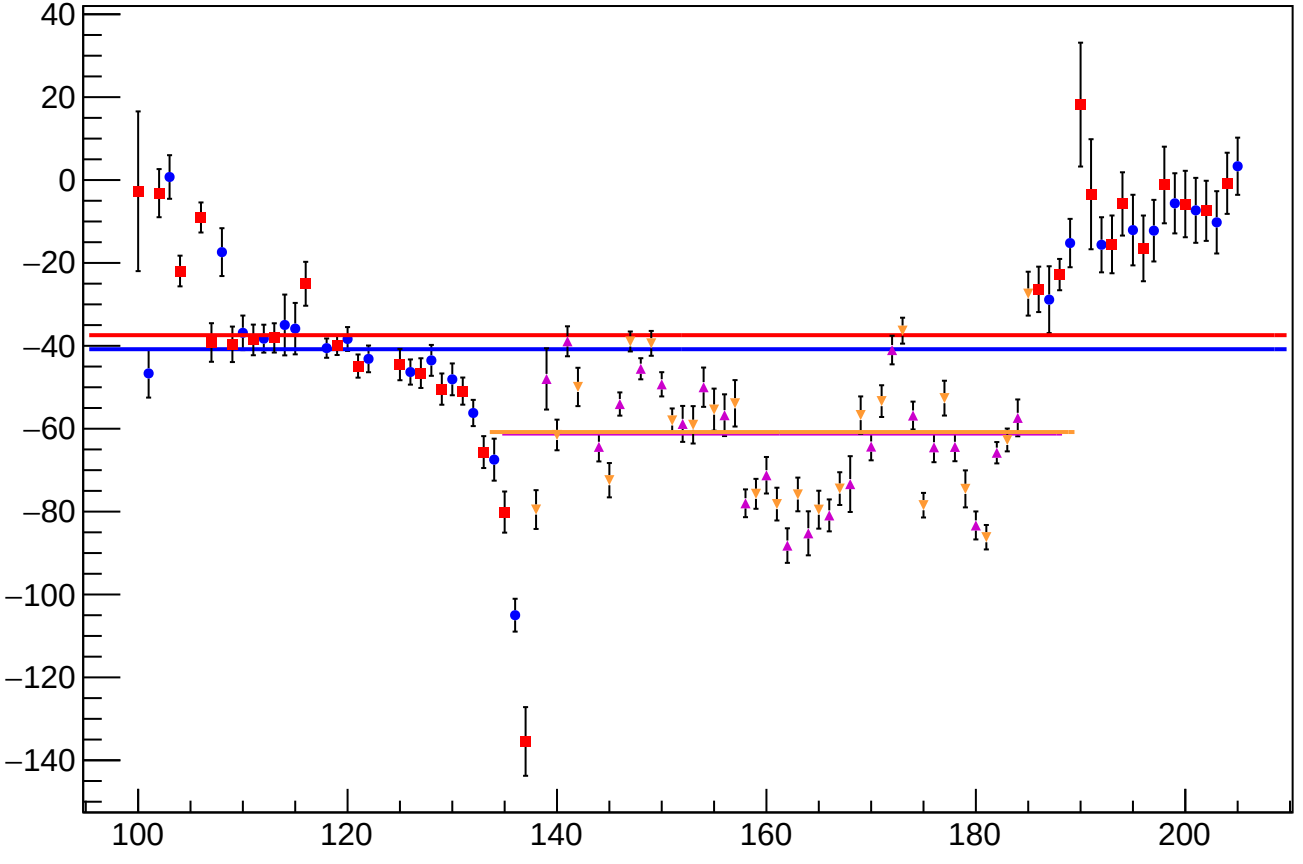
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.936+/-0.568 χ^2/NDF: 7597.6/48

All: -177.761+/-0.385 χ^2/NDF: 20762.7/100

- sign -178.465+/-0.525 χ^2/NDF: 13161.3/51

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -40.818+/-0.873 χ^2/NDF: 566.3/24

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.431+/-0.833 χ^2/NDF: 584.0/28

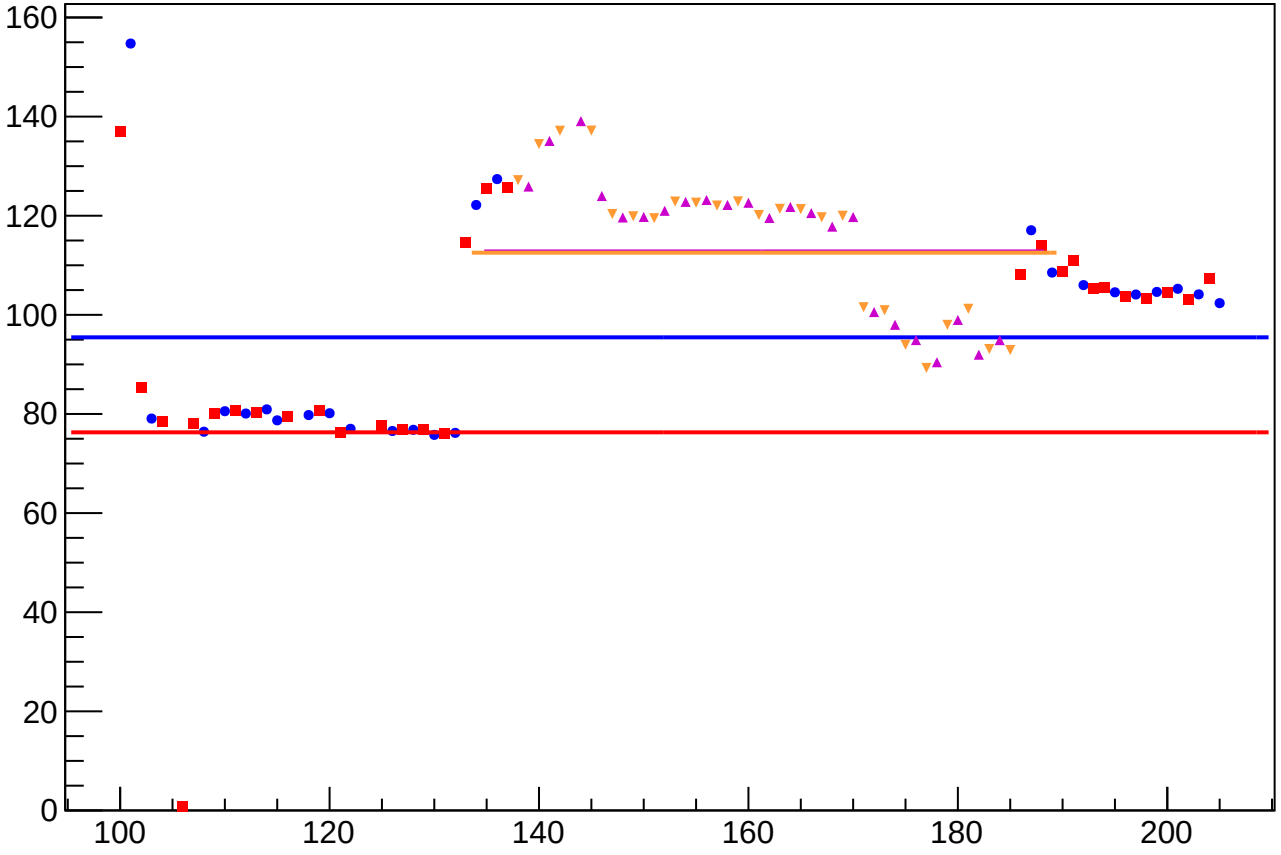
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

\+ sign -52.334+/-0.569 χ^2/NDF: 1342.0/48

All: -51.371+/-0.399 χ^2/NDF: 2693.5/100

\- sign -50.435+/-0.560 χ^2/NDF: 1345.9/51

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.463+/-0.048 χ^2/NDF: 182627.2/24

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.296+/-0.042 χ^2/NDF: 877080.5/28

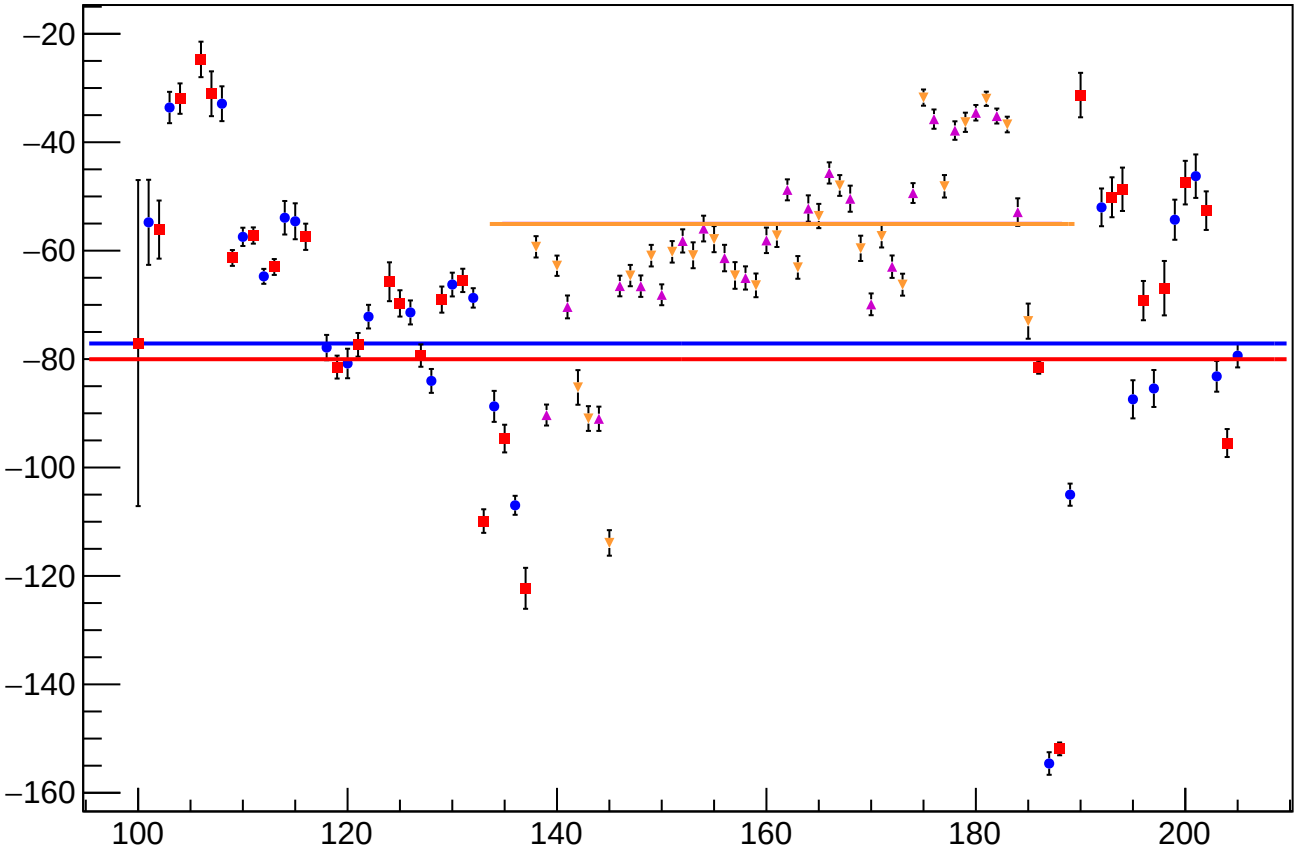
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.740+/-0.028 χ^2/NDF: 439943.8/48

All: 102.092+/-0.019 χ^2/NDF: 1997323.8/100

- sign 97.952+/-0.027 χ^2/NDF: 1505669.7/51

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.122+/-0.476 χ^2/NDF: 2862.4/24

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.023+/-0.421 χ^2/NDF: 5963.1/28

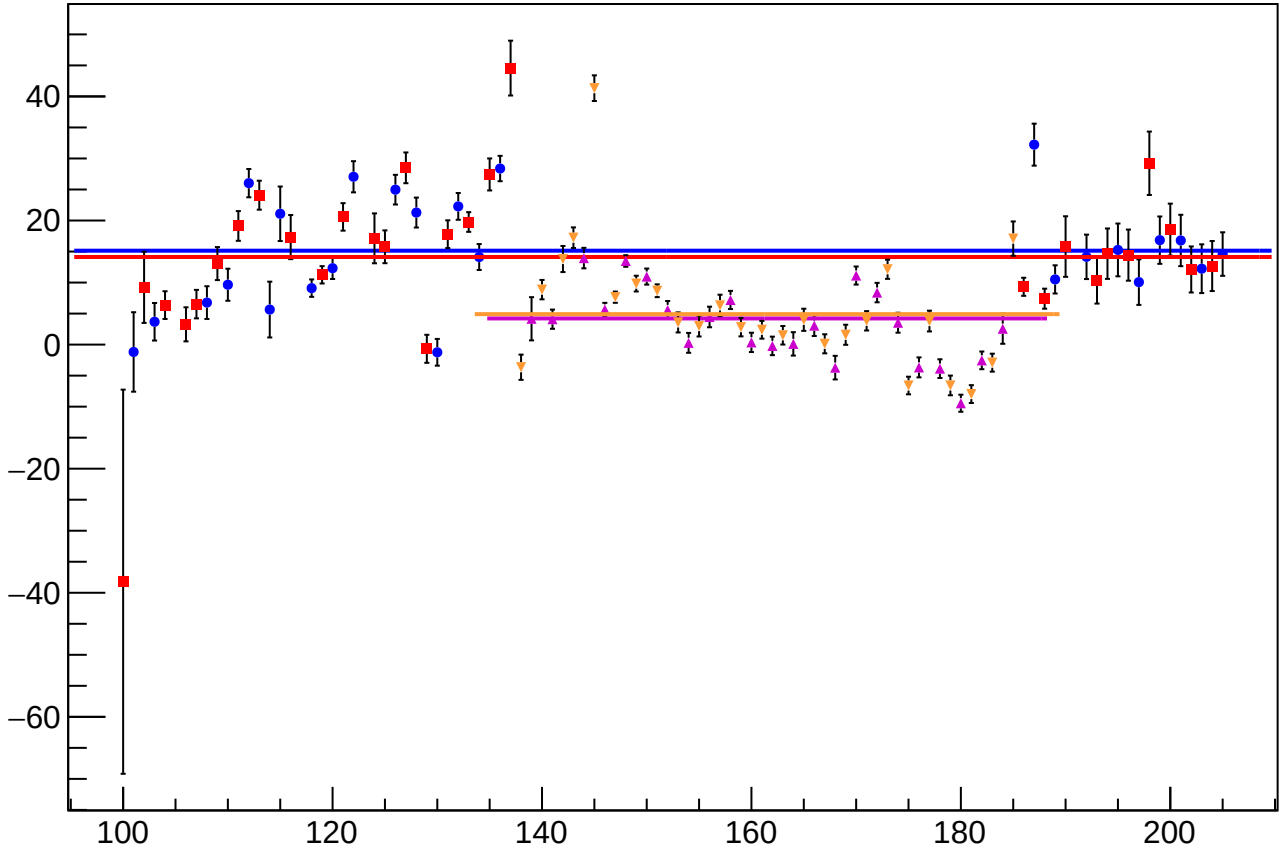
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -64.208+/-0.307 χ^2/NDF: 6119.9/49

All: -65.776+/-0.212 χ^2/NDF: 15478.4/101

- sign -67.217+/-0.294 χ^2/NDF: 9308.3/51

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.136+/-0.518 χ^2/NDF: 275.0/24

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.121+/-0.470 χ^2/NDF: 284.9/28

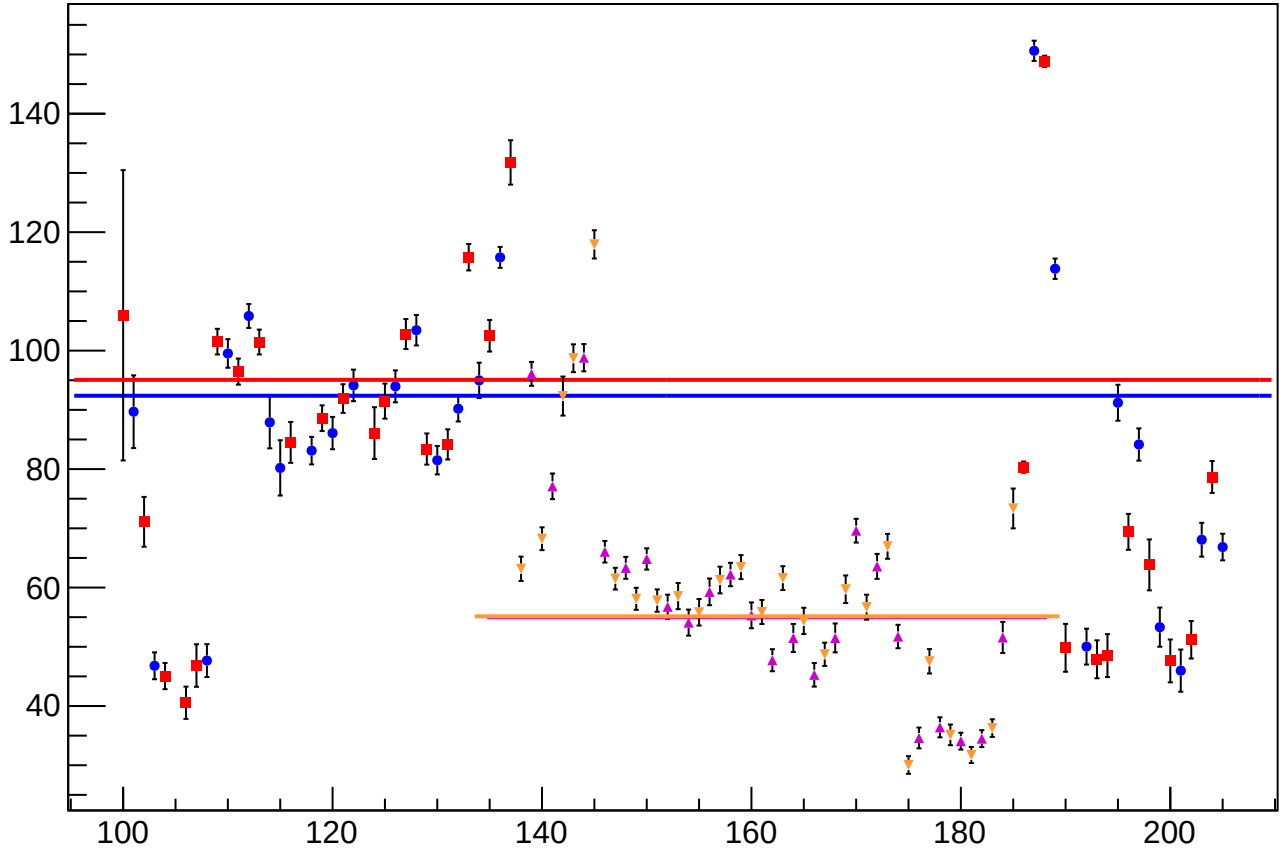
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.495+/-0.261 χ^2/NDF: 1307.6/49

All: 7.372+/-0.184 χ^2/NDF: 2316.2/101

- sign 7.250+/-0.260 χ^2/NDF: 1008.1/51

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 92.384+/-0.502 χ^2/NDF: 2994.5/24

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.069+/-0.424 χ^2/NDF: 5895.3/28

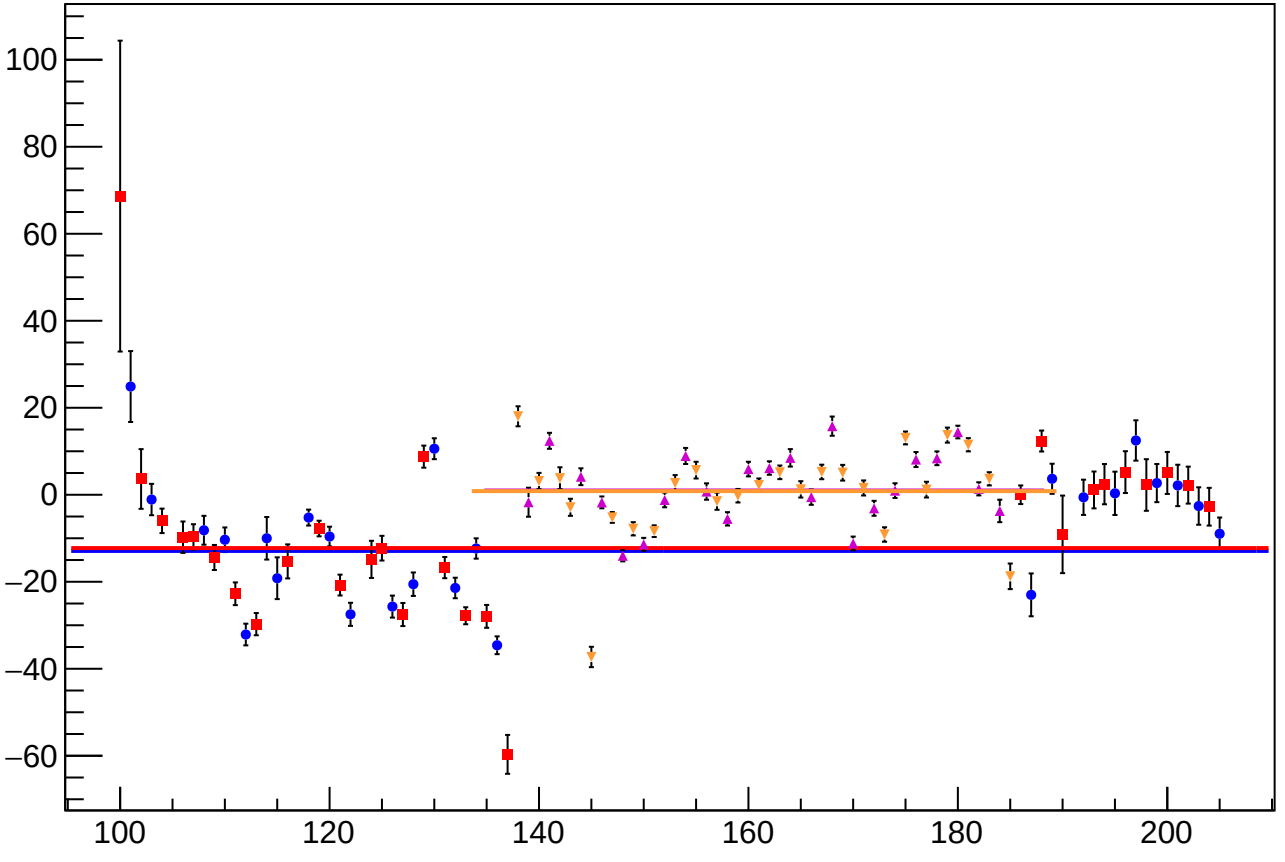
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.451+/-0.311 χ^2/NDF: 8619.5/49

All: 71.936+/-0.213 χ^2/NDF: 21086.6/101

- sign 74.136+/-0.293 χ^2/NDF: 12347.1/51

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.908+/-0.603 χ^2/NDF: 504.1/24

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

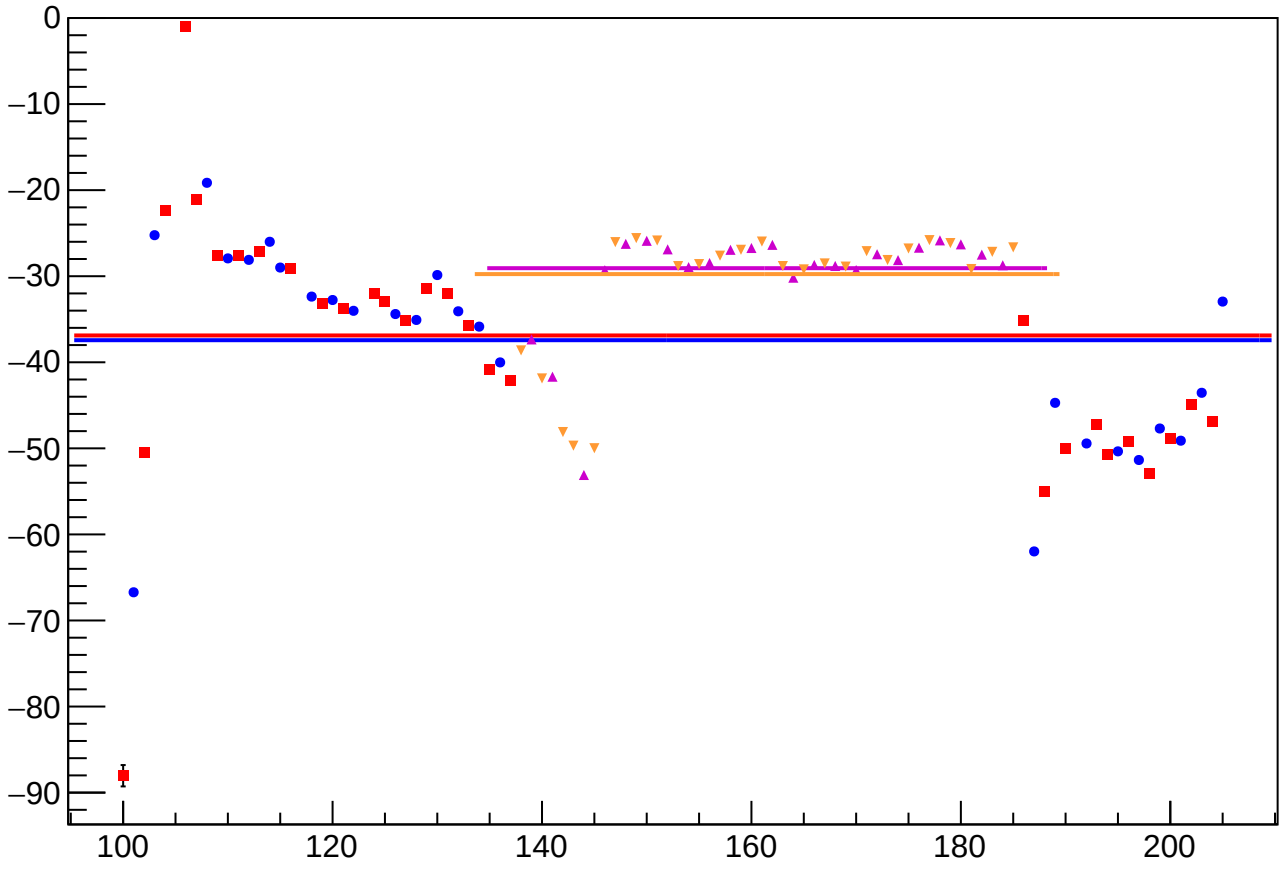
Right Out: -12.255+/-0.564 χ^2/NDF: 622.8/28

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.521+/-0.298 χ^2/NDF: 1614.4/49

All: -2.635+/-0.211 χ^2/NDF: 3191.4/101

- sign -2.750+/-0.299 χ^2/NDF: 1576.7/51



Right In: -37.435+/-0.031 χ^2/NDF: 111725.4/24

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.884+/-0.030 χ^2/NDF: 205340.1/28

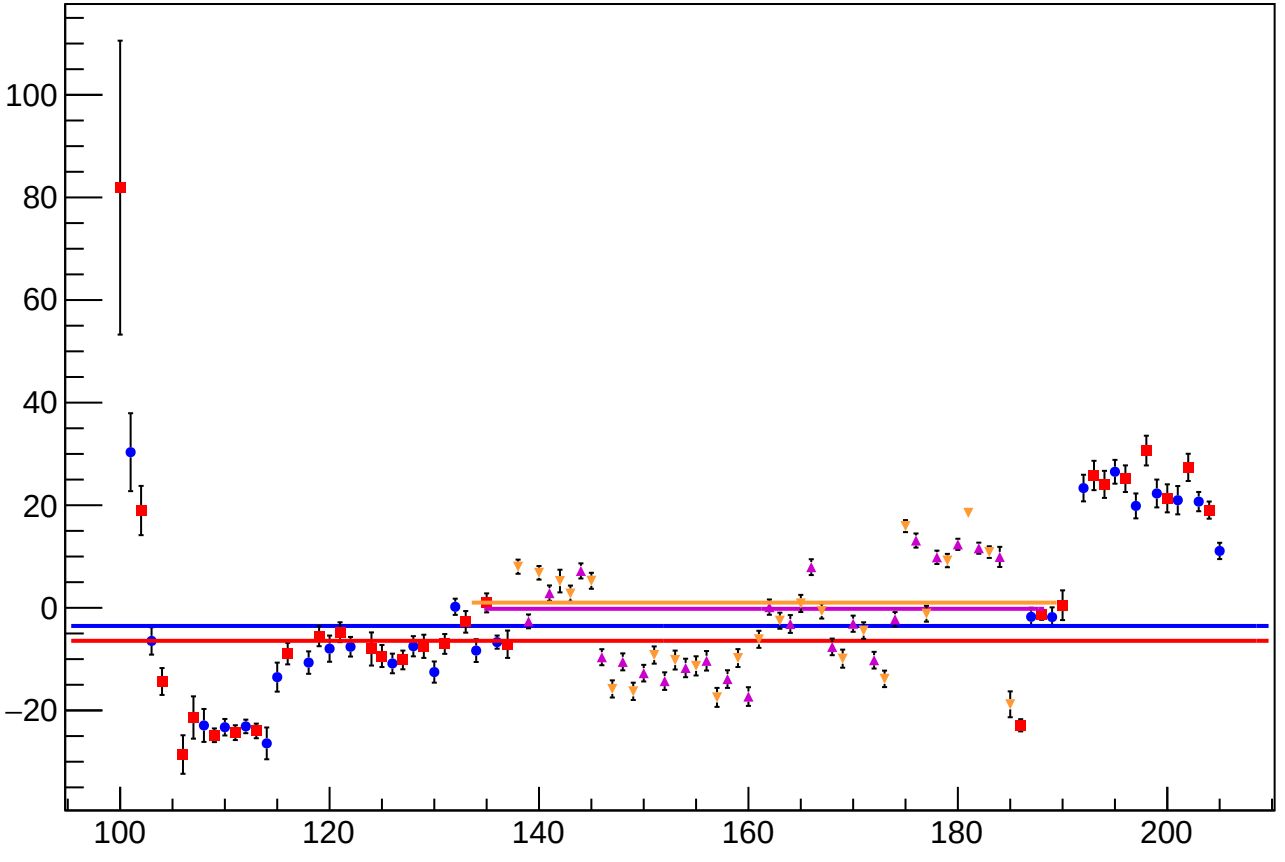
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.333+/-0.014 χ^2/NDF: 325280.2/49

All: -31.064+/-0.010 χ^2/NDF: 686979.7/101

- sign -30.793+/-0.014 χ^2/NDF: 360946.0/51

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -3.533+/-0.405 χ^2/NDF: 1355.9/24

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.429+/-0.370 χ^2/NDF: 1910.5/28

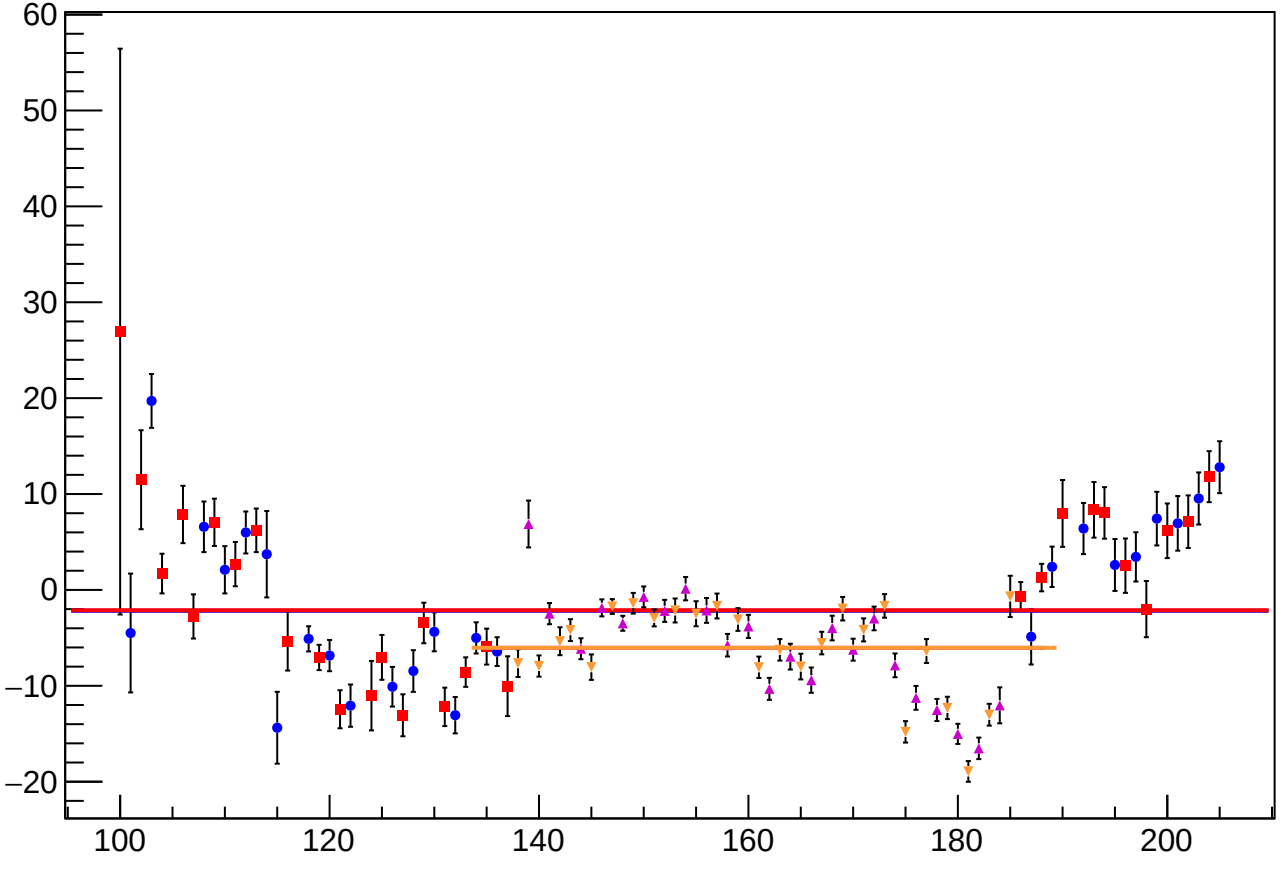
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -0.629+/-0.244 χ^2/NDF: 2771.5/49

All: -1.735+/-0.171 χ^2/NDF: 5870.1/101

- sign -2.806+/-0.240 χ^2/NDF: 3058.1/51

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.175+/-0.446 χ^2/NDF: 297.7/24

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.120+/-0.418 χ^2/NDF: 277.8/28

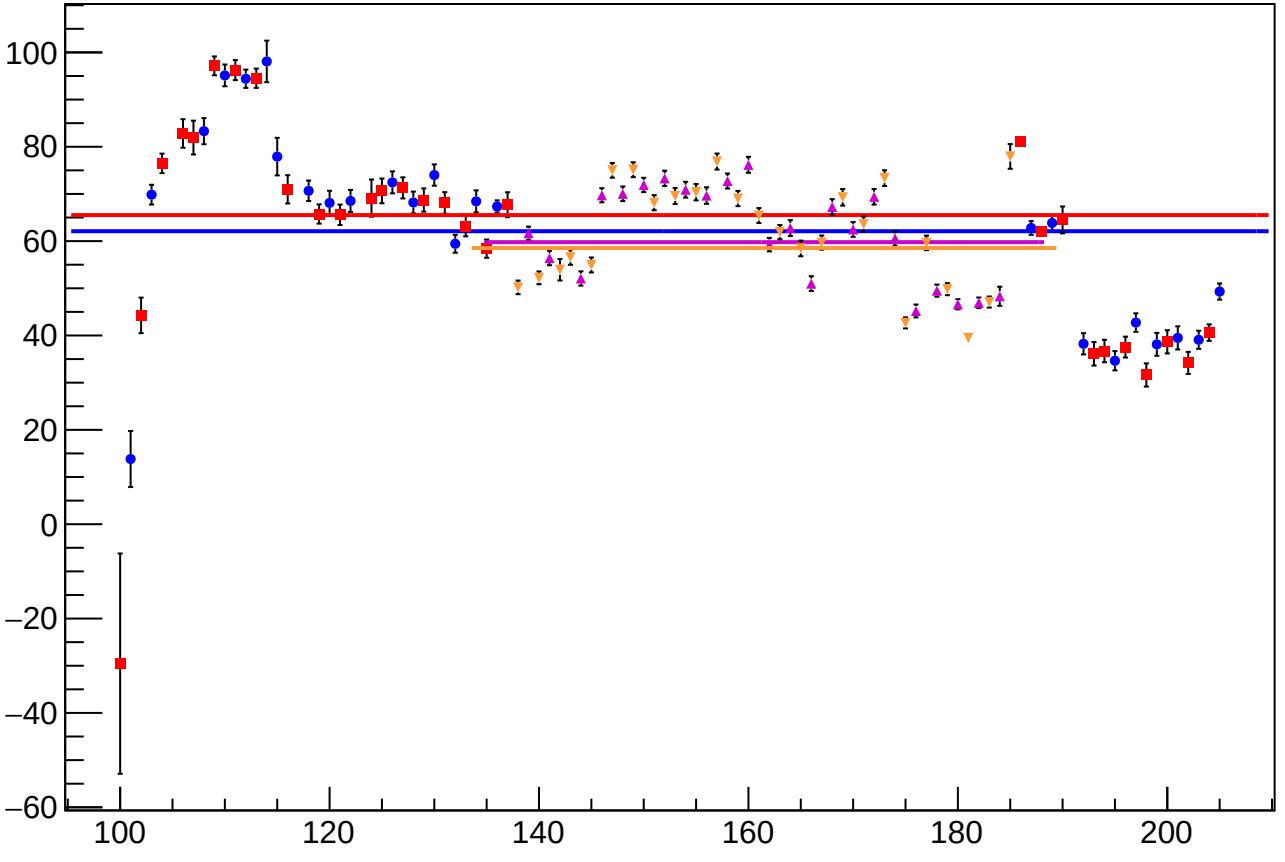
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.205+/-0.207 χ^2/NDF: 771.5/49

All: -5.130+/-0.147 χ^2/NDF: 1511.7/101

- sign -5.053+/-0.210 χ^2/NDF: 739.9/51

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 62.099+/-0.422 χ^2/NDF: 1586.2/24

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.518+/-0.371 χ^2/NDF: 2242.3/28

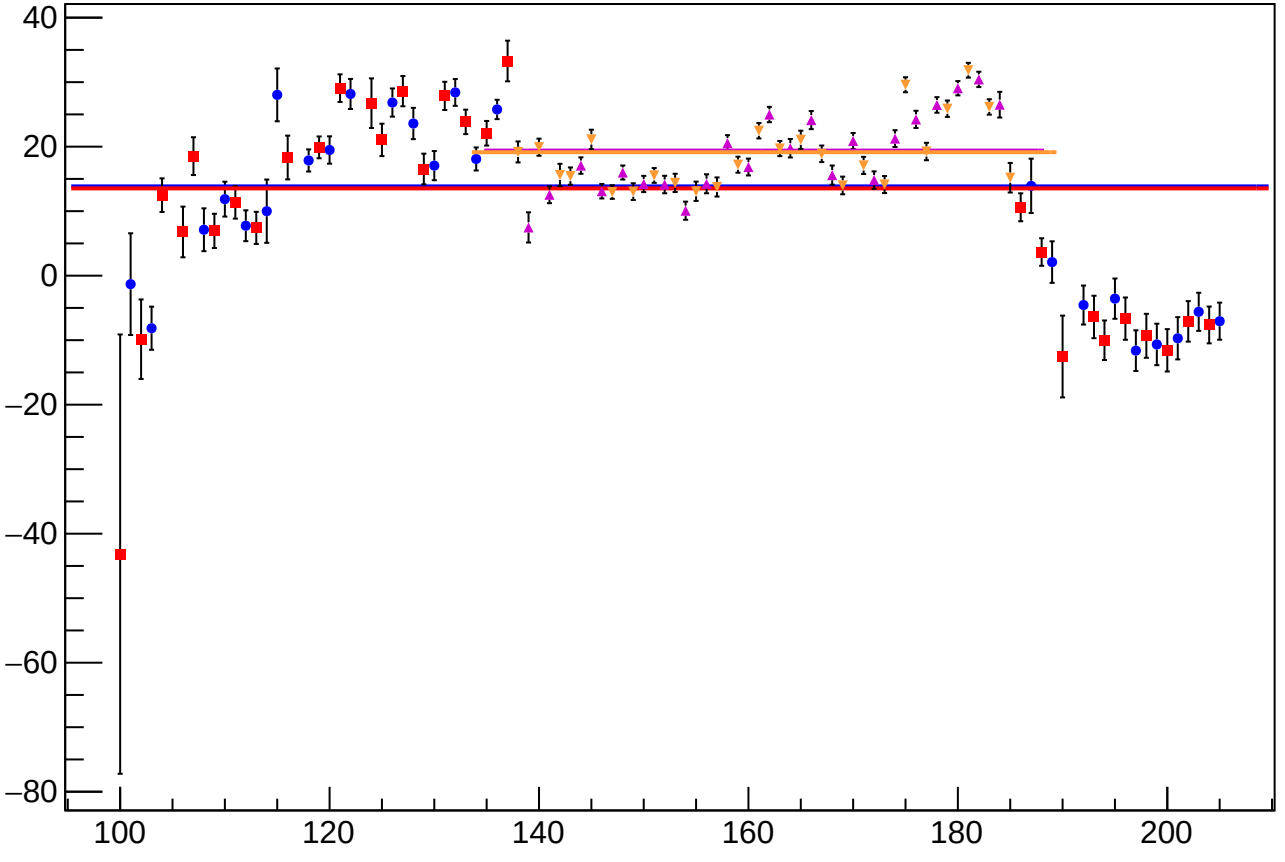
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 59.748+/-0.246 χ^2/NDF: 3082.5/49

All: 60.985+/-0.171 χ^2/NDF: 6584.7/101

- sign 62.149+/-0.239 χ^2/NDF: 3453.1/51

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 13.840+/-0.512 χ^2/NDF: 645.3/24

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 13.529+/-0.496 χ^2/NDF: 675.7/28

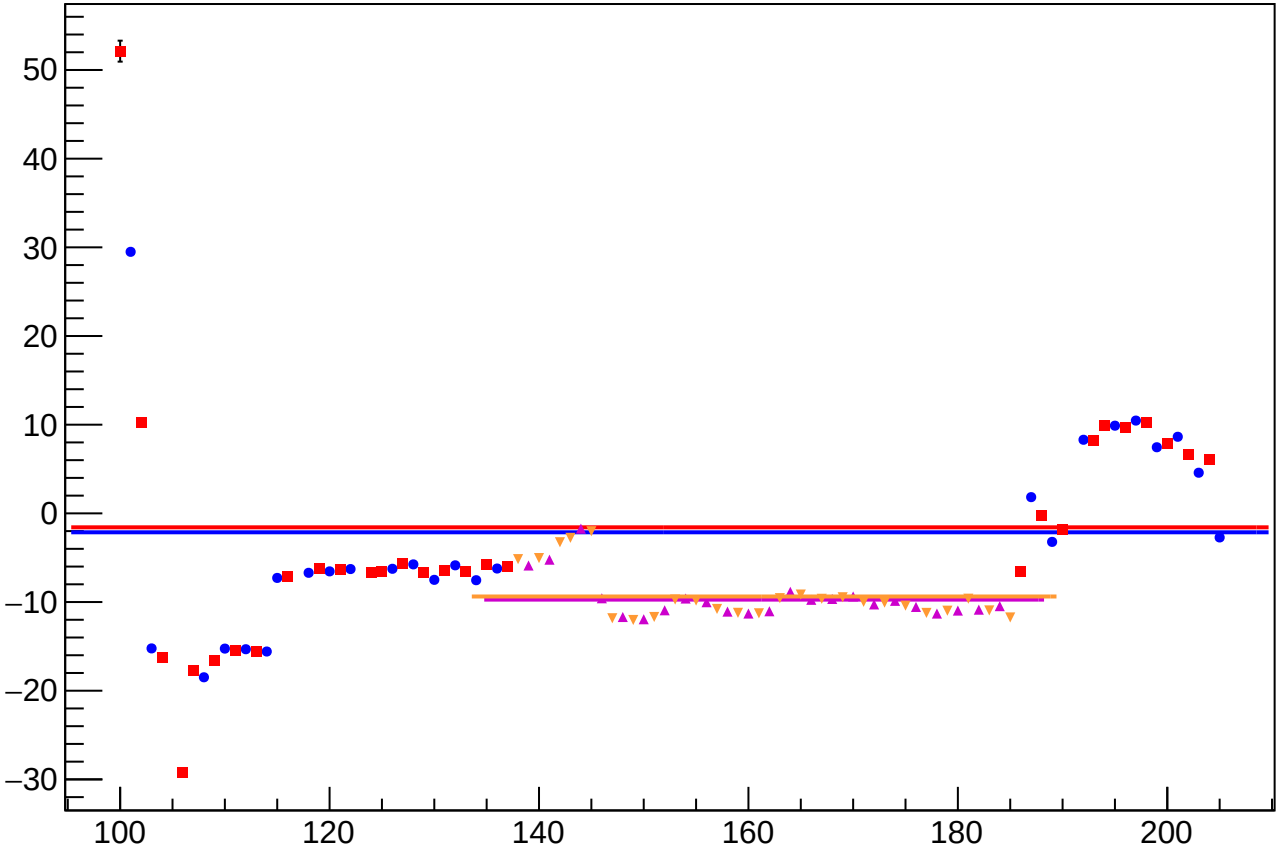
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.026+/-0.235 χ^2/NDF: 1163.5/49

All: 18.024+/-0.168 χ^2/NDF: 2414.0/101

- sign 18.021+/-0.240 χ^2/NDF: 1250.5/51

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.135+/-0.024 χ^2/NDF: 149287.9/24

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.574+/-0.024 χ^2/NDF: 186916.1/28

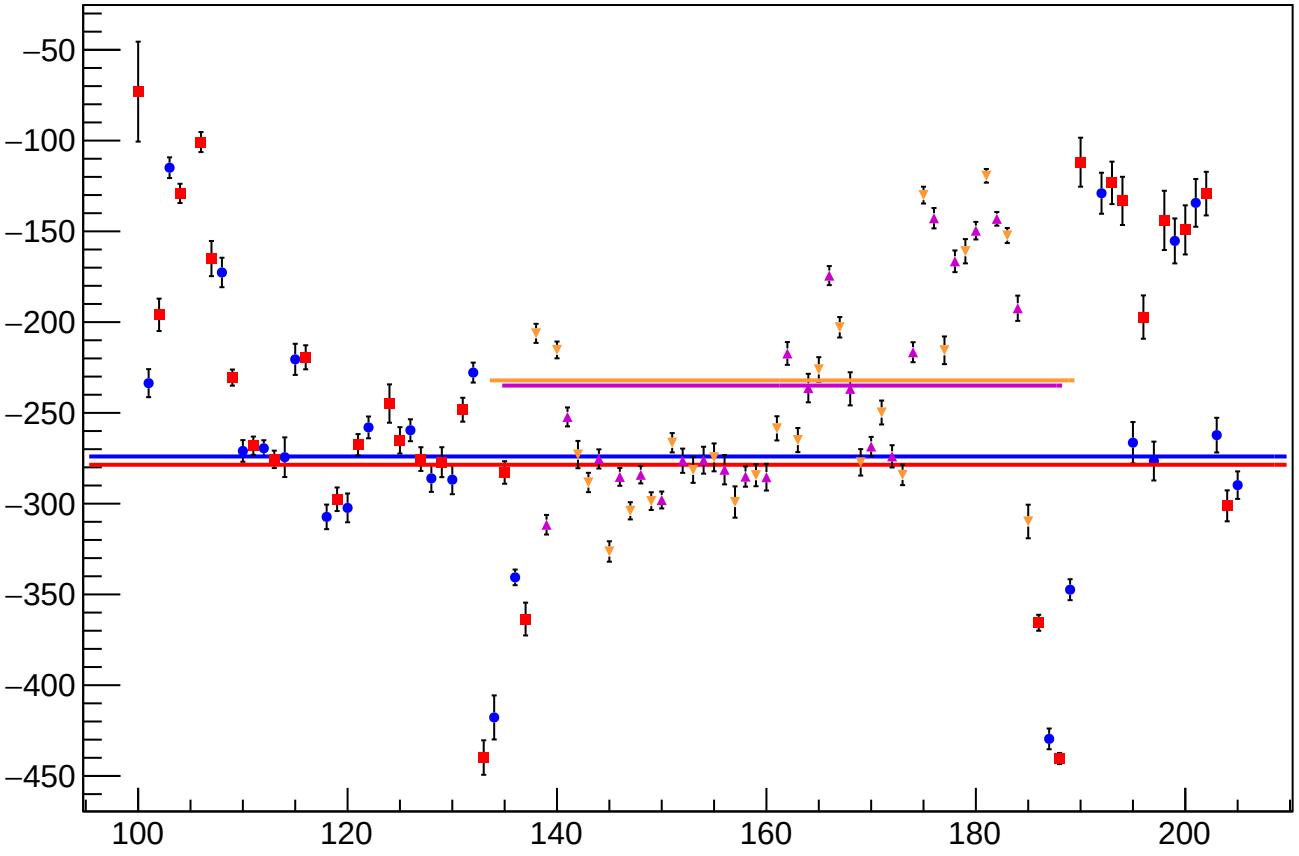
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.993+/-0.011 χ^2/NDF: 270074.7/49

All: -8.043+/-0.008 χ^2/NDF: 579604.8/101

- sign -8.095+/-0.011 χ^2/NDF: 309485.1/51

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.009+/-1.401 χ^2/NDF: 2783.9/24

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.580+/-1.236 χ^2/NDF: 6735.4/28

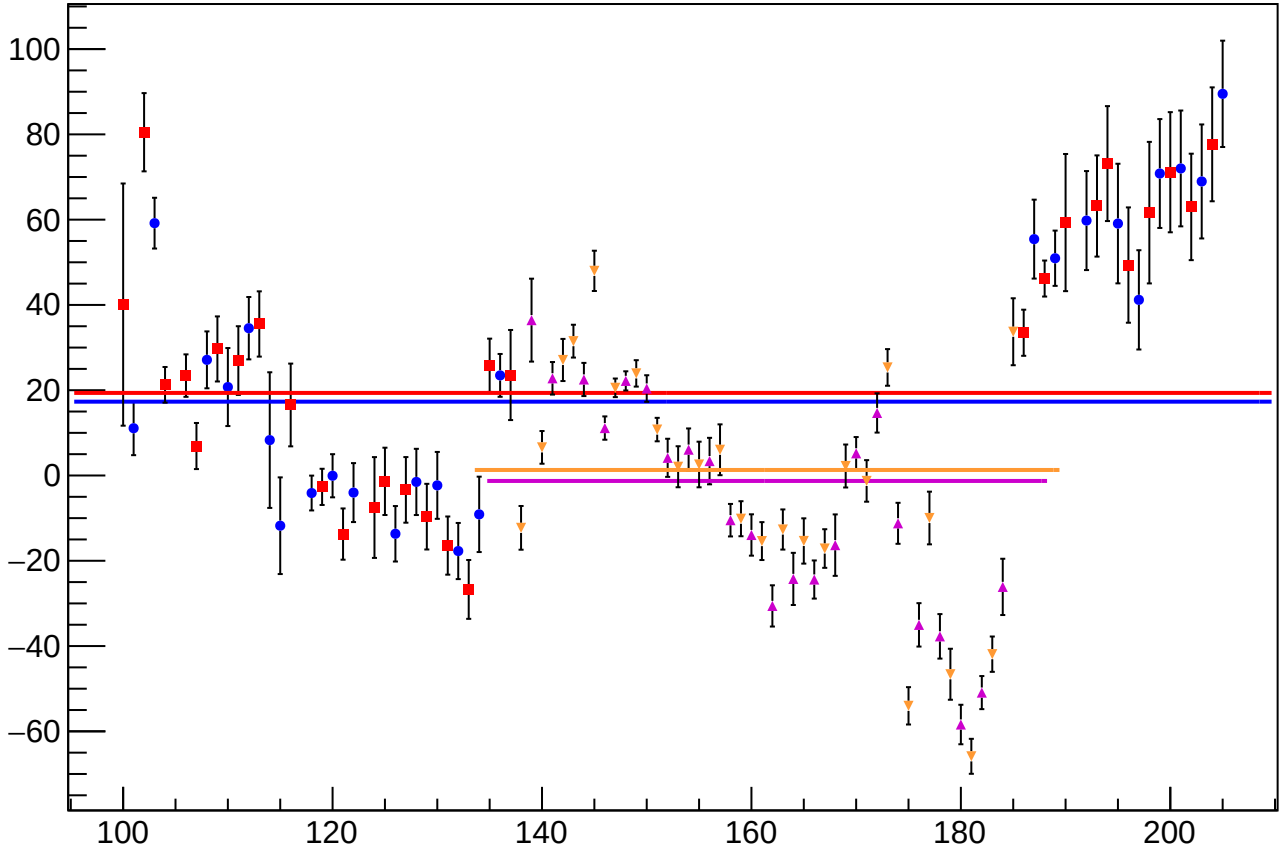
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.845+/-0.886 χ^2/NDF: 6591.4/49

All: -252.391+/-0.614 χ^2/NDF: 16481.8/101

- sign -255.671+/-0.852 χ^2/NDF: 9859.6/51

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.314+/-1.492 χ^2/NDF: 340.2/24

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 19.366+/-1.342 χ^2/NDF: 363.1/28

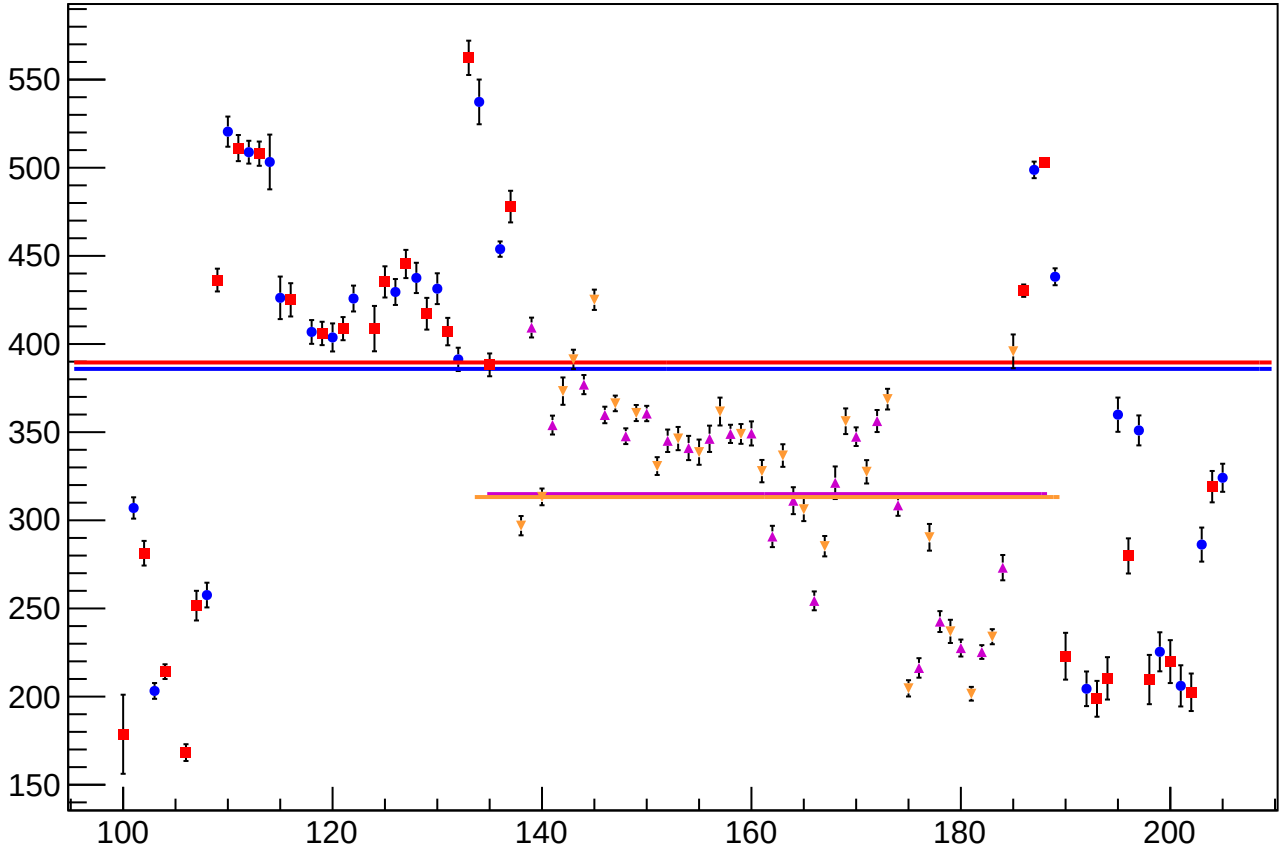
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 5.127+/-0.730 χ^2/NDF: 1477.3/49

All: 4.972+/-0.516 χ^2/NDF: 2818.5/101

- sign 4.818+/-0.729 χ^2/NDF: 1341.1/51

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.892+/-1.421 χ^2/NDF: 5050.6/24

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 389.535+/-1.212 χ^2/NDF: 9516.2/28

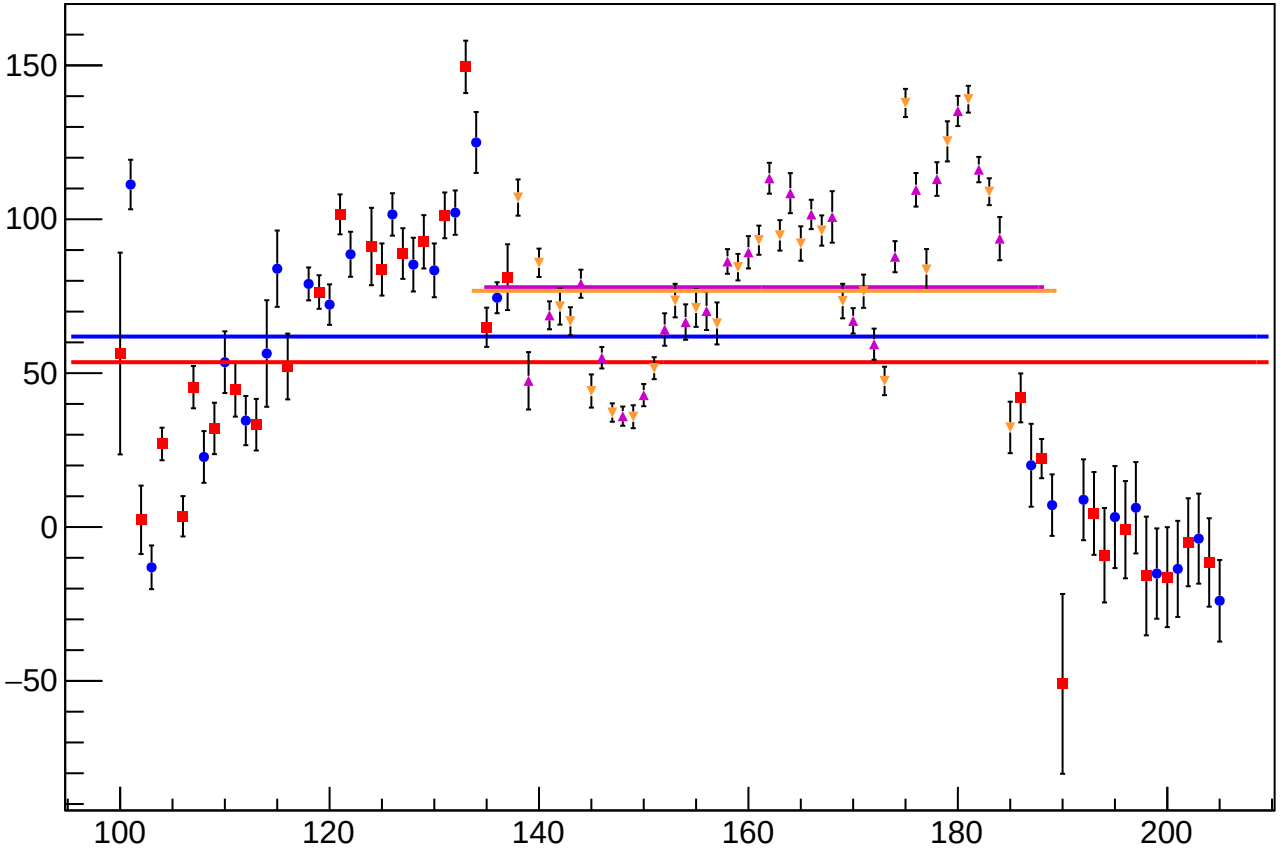
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 341.478+/-0.886 χ^2/NDF: 9785.1/49

All: 346.303+/-0.609 χ^2/NDF: 23766.0/101

- sign 350.619+/-0.838 χ^2/NDF: 13924.7/51

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 61.892+/-1.750 χ^2/NDF: 532.6/24

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 53.563+/-1.618 χ^2/NDF: 580.2/28

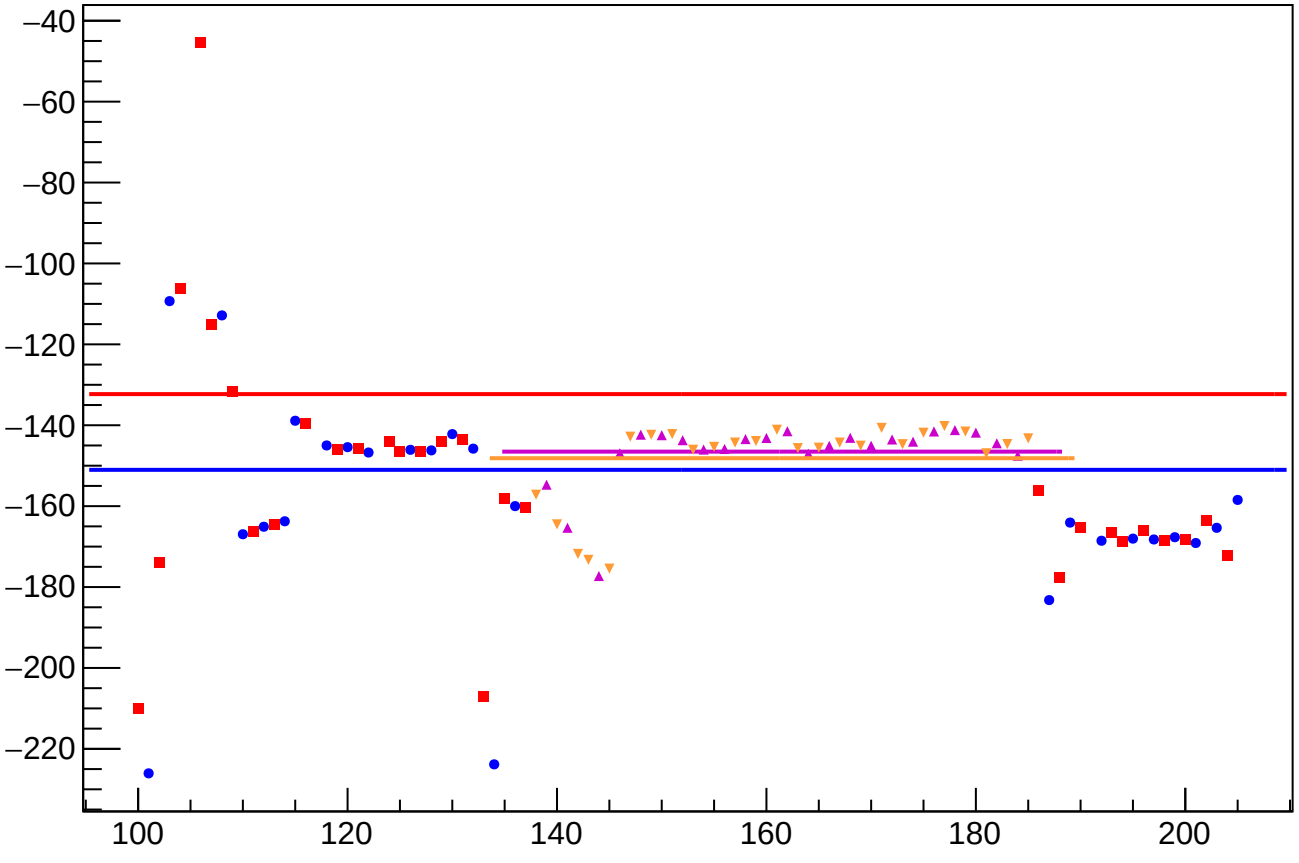
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 73.283+/-0.846 χ^2/NDF: 1623.2/49

All: 72.254+/-0.599 χ^2/NDF: 3154.6/101

- sign 71.219+/-0.849 χ^2/NDF: 1528.4/51

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.023+/-0.085 χ^2/NDF: 146121.2/24

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.301+/-0.077 χ^2/NDF: 347268.2/28

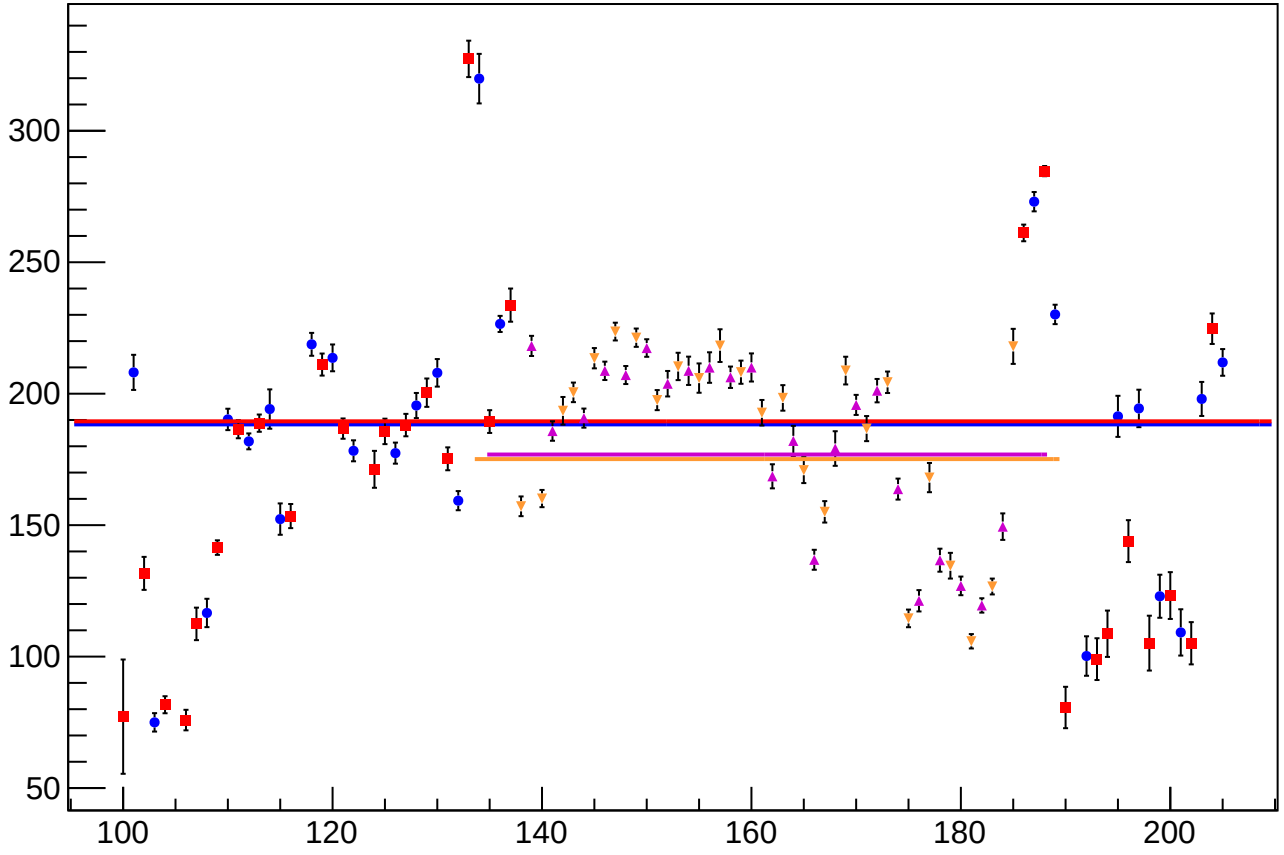
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.784+/-0.040 χ^2/NDF: 195929.5/49

All: -145.755+/-0.028 χ^2/NDF: 609154.3/101

- sign -142.820+/-0.039 χ^2/NDF: 401820.2/51

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 188.326+/-0.938 χ^2/NDF: 2758.7/24

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.493+/-0.818 χ^2/NDF: 6716.0/28

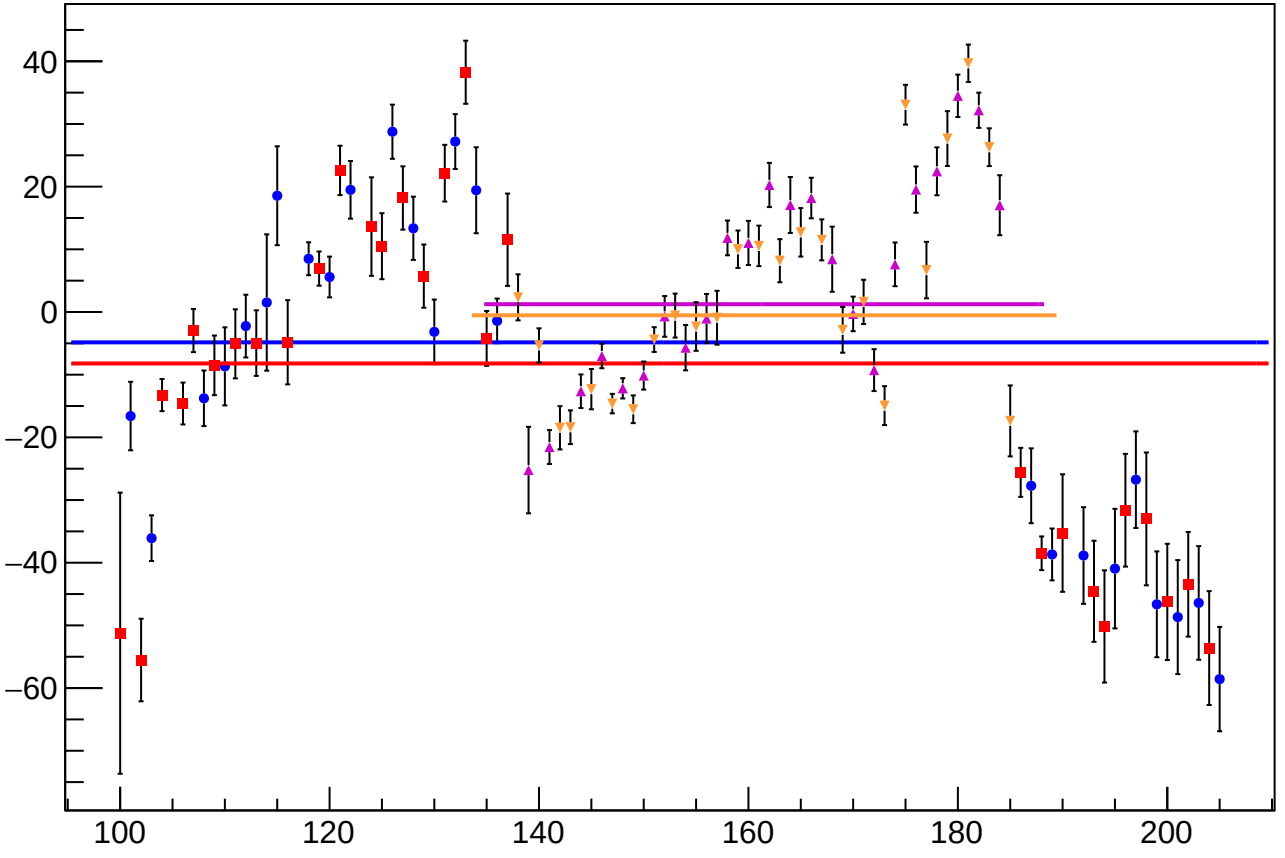
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.856+/-0.618 χ^2/NDF: 5165.8/49

All: 182.187+/-0.426 χ^2/NDF: 13761.7/101

- sign 183.393+/-0.589 χ^2/NDF: 8587.1/51

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.844+/-0.998 χ^2/NDF: 530.5/24

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.213+/-0.884 χ^2/NDF: 620.8/28

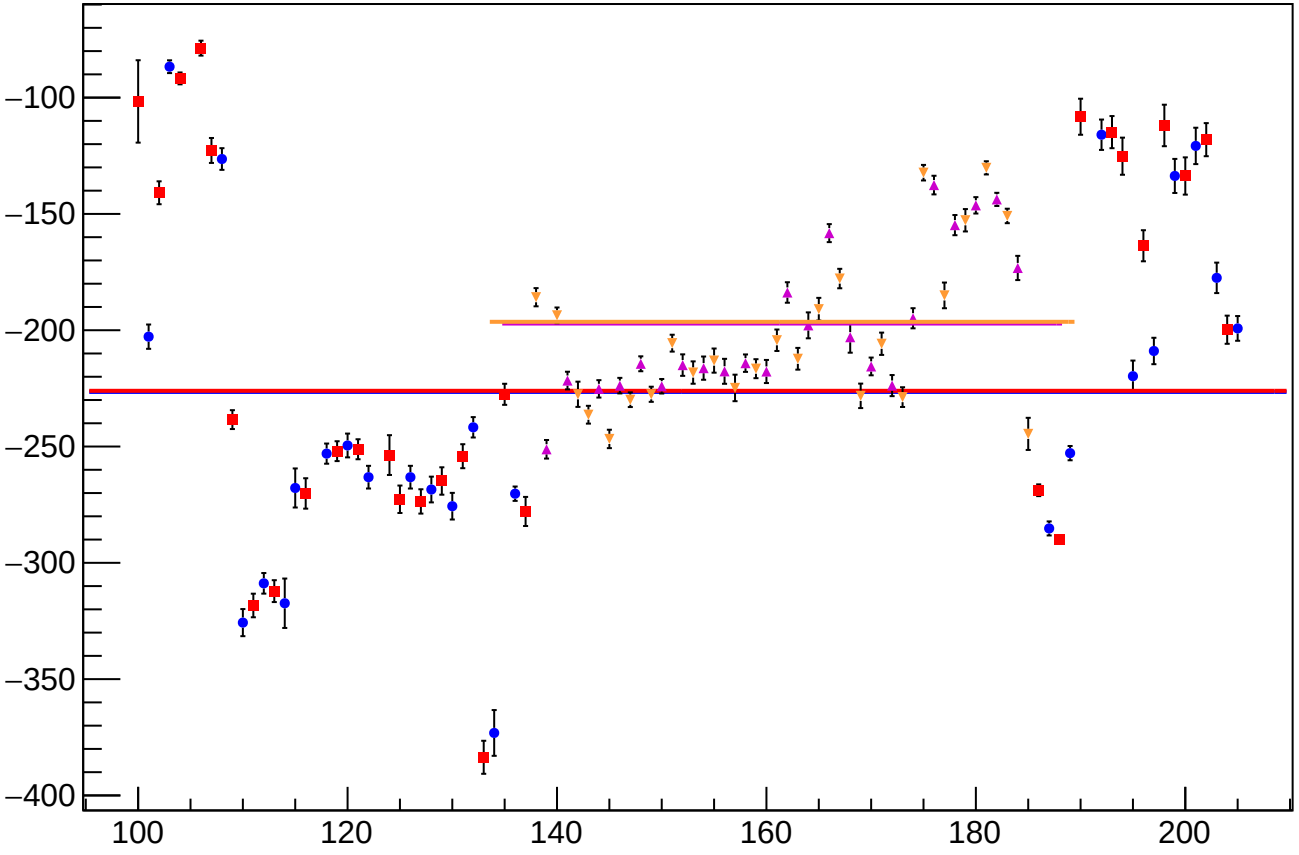
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -1.672+/-0.515 χ^2/NDF: 1268.8/49

All: -1.791+/-0.363 χ^2/NDF: 2586.5/101

- sign -1.909+/-0.511 χ^2/NDF: 1317.6/51

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.528+/-0.949 χ^2/NDF: 5714.0/24

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.043+/-0.799 χ^2/NDF: 10426.2/28

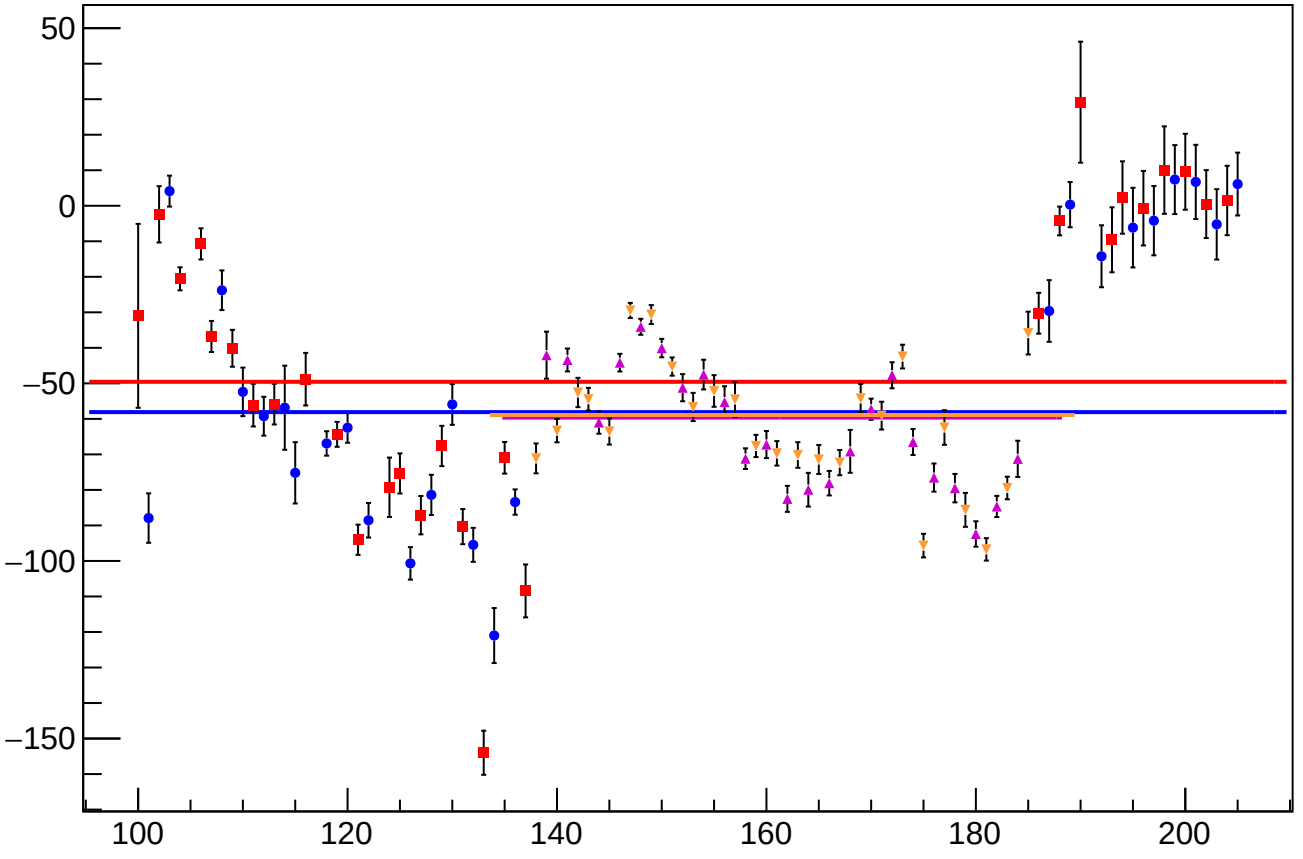
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.190+/-0.619 χ^2/NDF: 8292.1/49

All: -210.831+/-0.422 χ^2/NDF: 20957.9/101

- sign -212.263+/-0.578 χ^2/NDF: 12652.6/51

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -58.095+/-1.175 χ^2/NDF: 930.3/24

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -49.561+/-1.069 χ^2/NDF: 1197.7/28

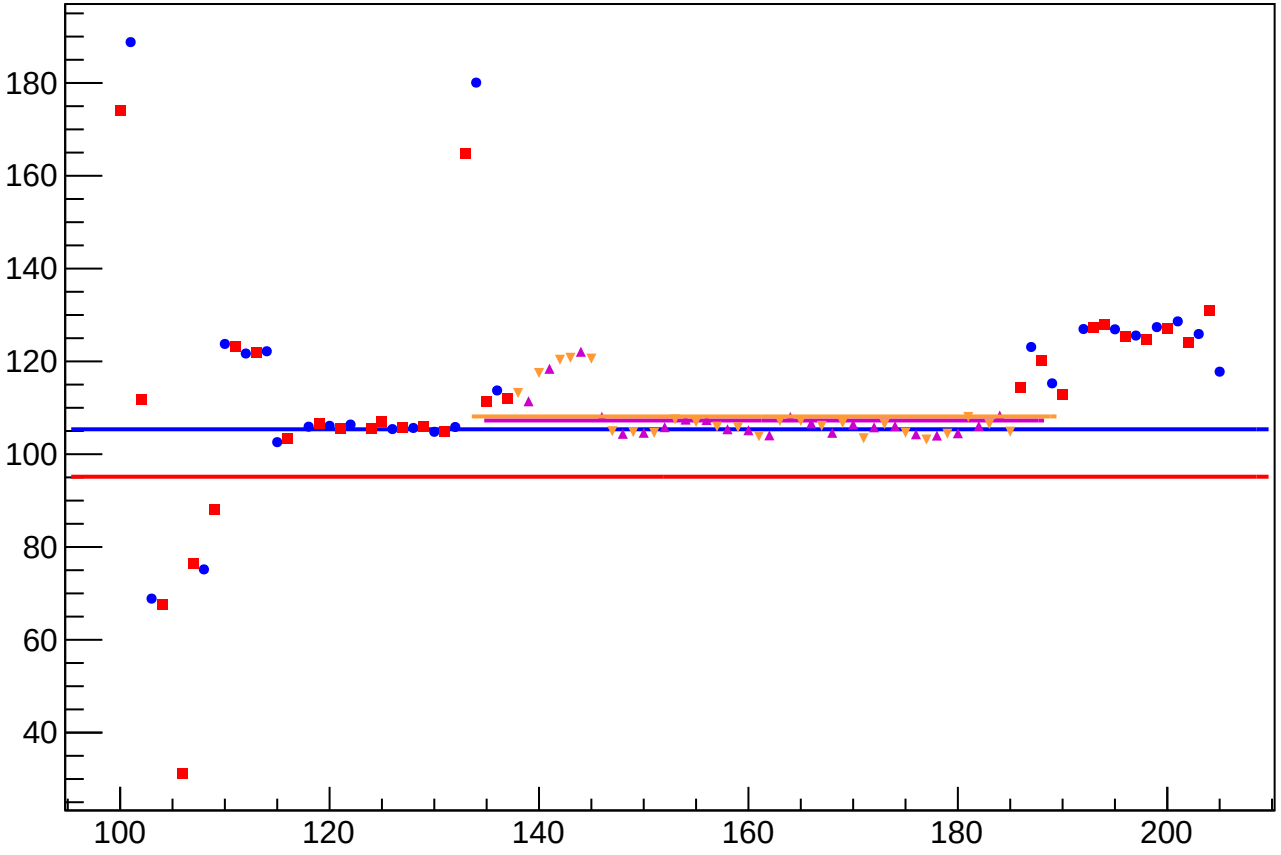
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -58.699+/-0.598 χ^2/NDF: 1713.2/49

All: -57.597+/-0.422 χ^2/NDF: 3575.9/101

- sign -56.502+/-0.596 χ^2/NDF: 1855.9/51

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 105.367+/-0.057 χ^2/NDF: 272168.2/24

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

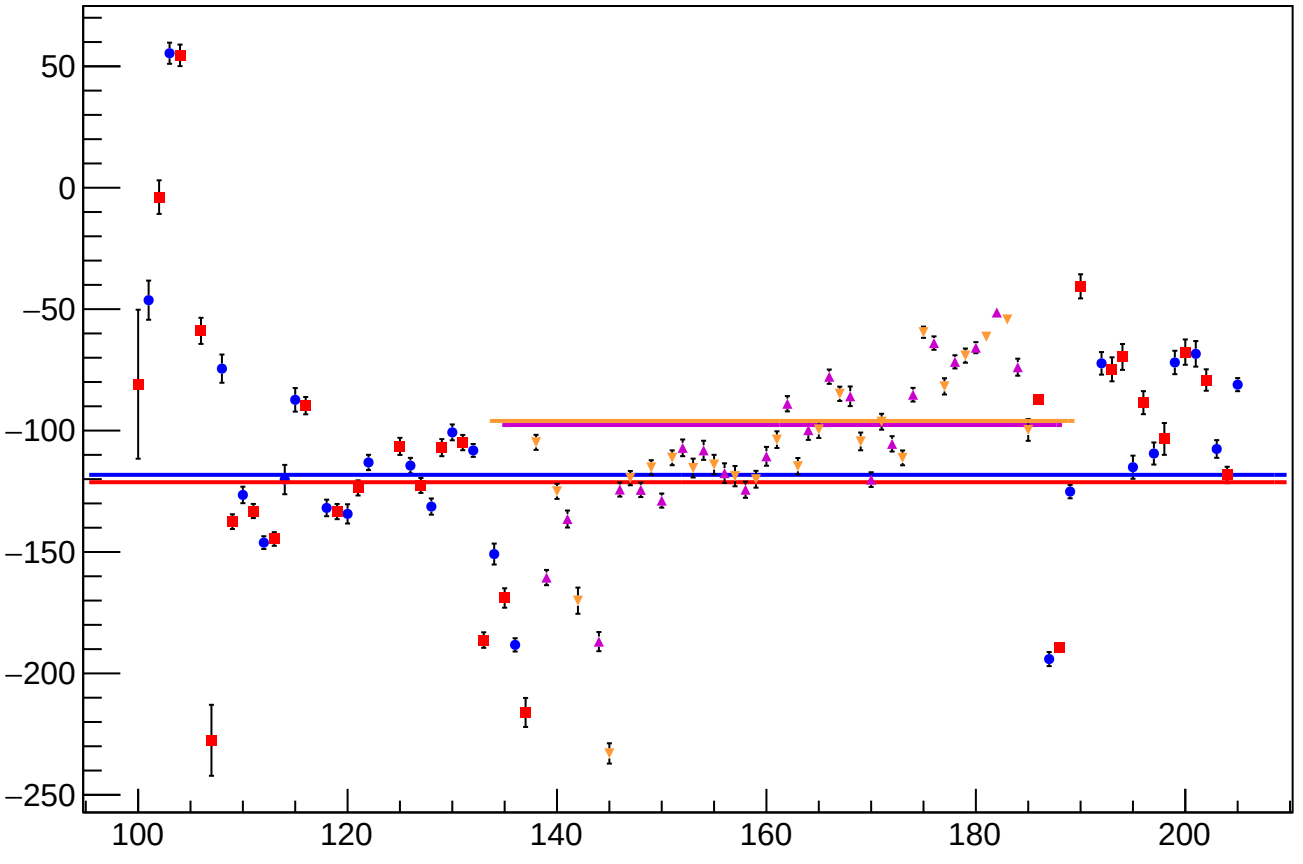
Right Out: 95.150+/-0.052 χ^2/NDF: 385321.2/28

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 107.450+/-0.028 χ^2/NDF: 300391.3/49

All: 105.597+/-0.020 χ^2/NDF: 750122.7/101

\- sign 103.797+/-0.028 χ^2/NDF: 441185.0/51



Right In: -118.228+/-0.718 χ^2/NDF: 3868.3/24

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

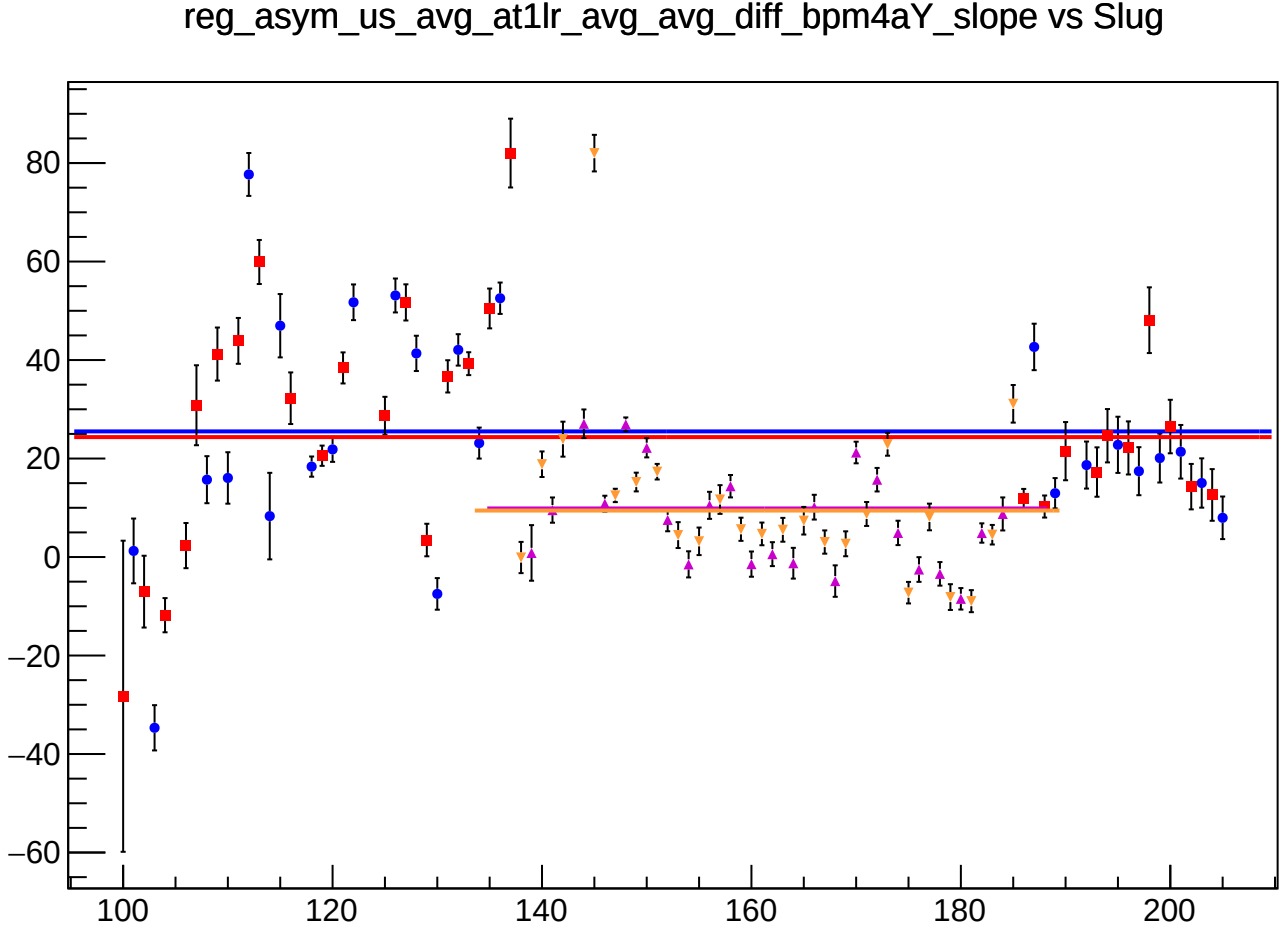
Right Out: -121.263+/-0.644 χ^2/NDF: 5991.9/27

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -105.769+/-0.476 χ^2/NDF: 7175.9/48

All: -107.661+/-0.328 χ^2/NDF: 16512.8/99

\- sign -109.382+/-0.454 χ^2/NDF: 9306.8/50



Right In: 25.508+/-0.766 χ^2/NDF: 764.2/24

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.353+/-0.710 χ^2/NDF: 634.3/27

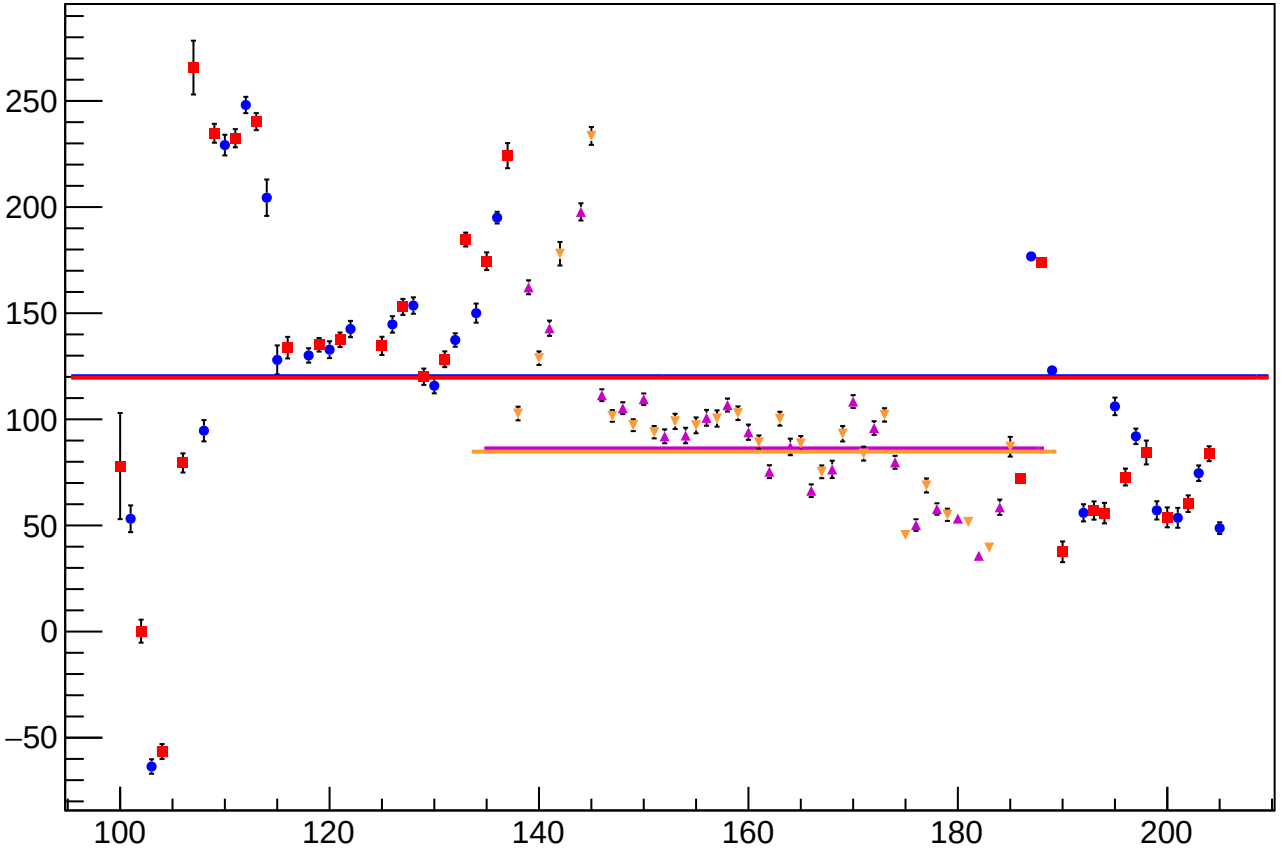
Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.939+/-0.406 χ^2/NDF: 1817.2/48

All: 14.217+/-0.285 χ^2/NDF: 3220.9/99

- sign 14.490+/-0.401 χ^2/NDF: 1402.8/50

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 120.298+/-0.733 χ^2/NDF: 7837.8/24

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

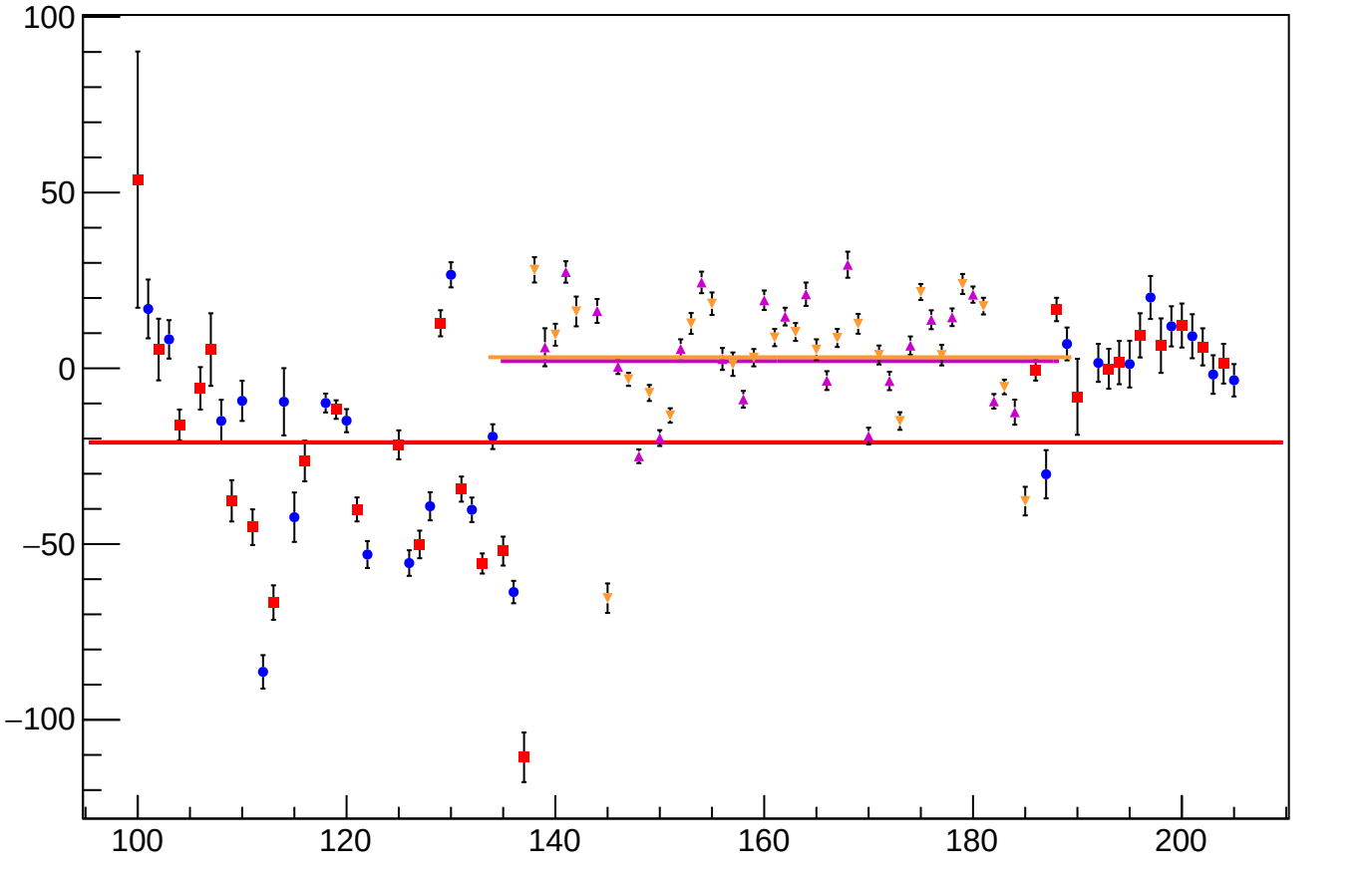
Right Out: 119.616+/-0.622 χ^2/NDF: 10901.5/27

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

+ sign 99.823+/-0.478 χ^2/NDF: 12300.9/48

All: 101.646+/-0.325 χ^2/NDF: 27794.1/99

- sign 103.217+/-0.443 χ^2/NDF: 15466.1/50



Right In: -21.126+/-0.896 χ^2/NDF: 1035.2/24

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

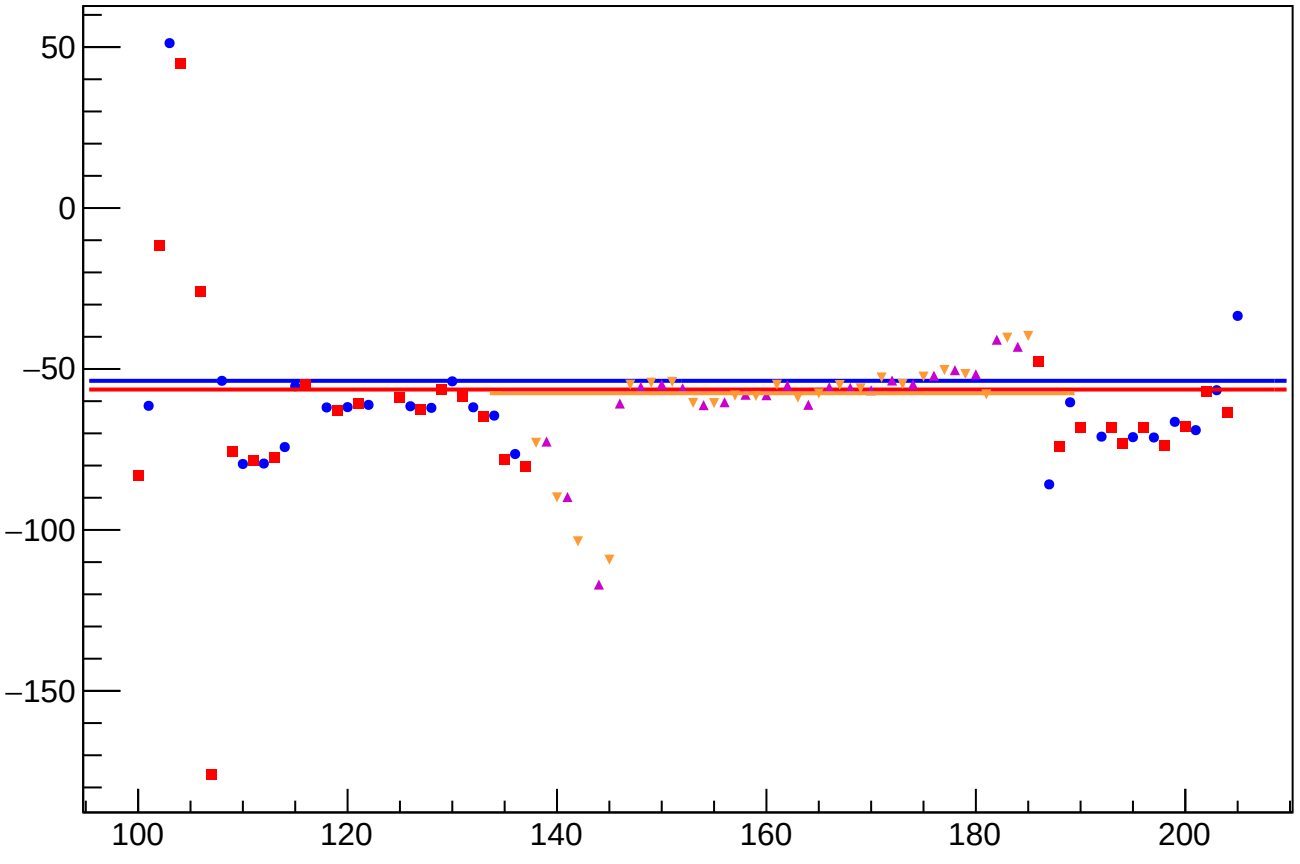
Right Out: -21.033+/-0.860 χ^2/NDF: 1015.6/27

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.378+/-0.465 χ^2/NDF: 2385.2/48

All: -4.022+/-0.328 χ^2/NDF: 4765.8/99

- sign -4.663+/-0.464 χ^2/NDF: 2376.8/50



Right In: -53.675+/-0.044 χ^2/NDF: 652022.0/24

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -56.384+/-0.044 χ^2/NDF: 561747.7/27

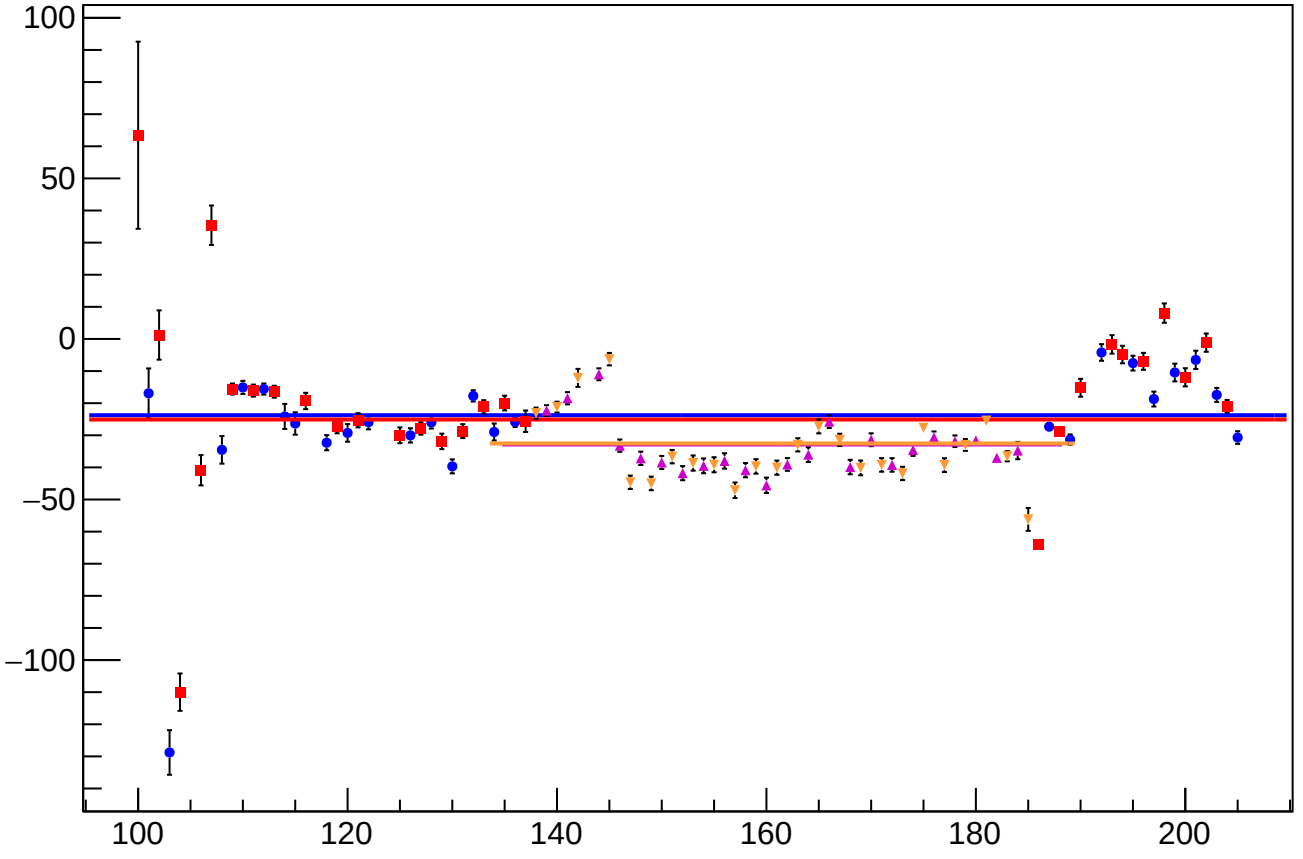
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.614+/-0.022 χ^2/NDF: 924825.0/48

All: -56.876+/-0.015 χ^2/NDF: 1714391.9/99

\- sign -57.136+/-0.022 χ^2/NDF: 789274.7/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -23.750+/-0.448 χ^2/NDF: 593.8/24

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -25.089+/-0.409 χ^2/NDF: 1620.2/27

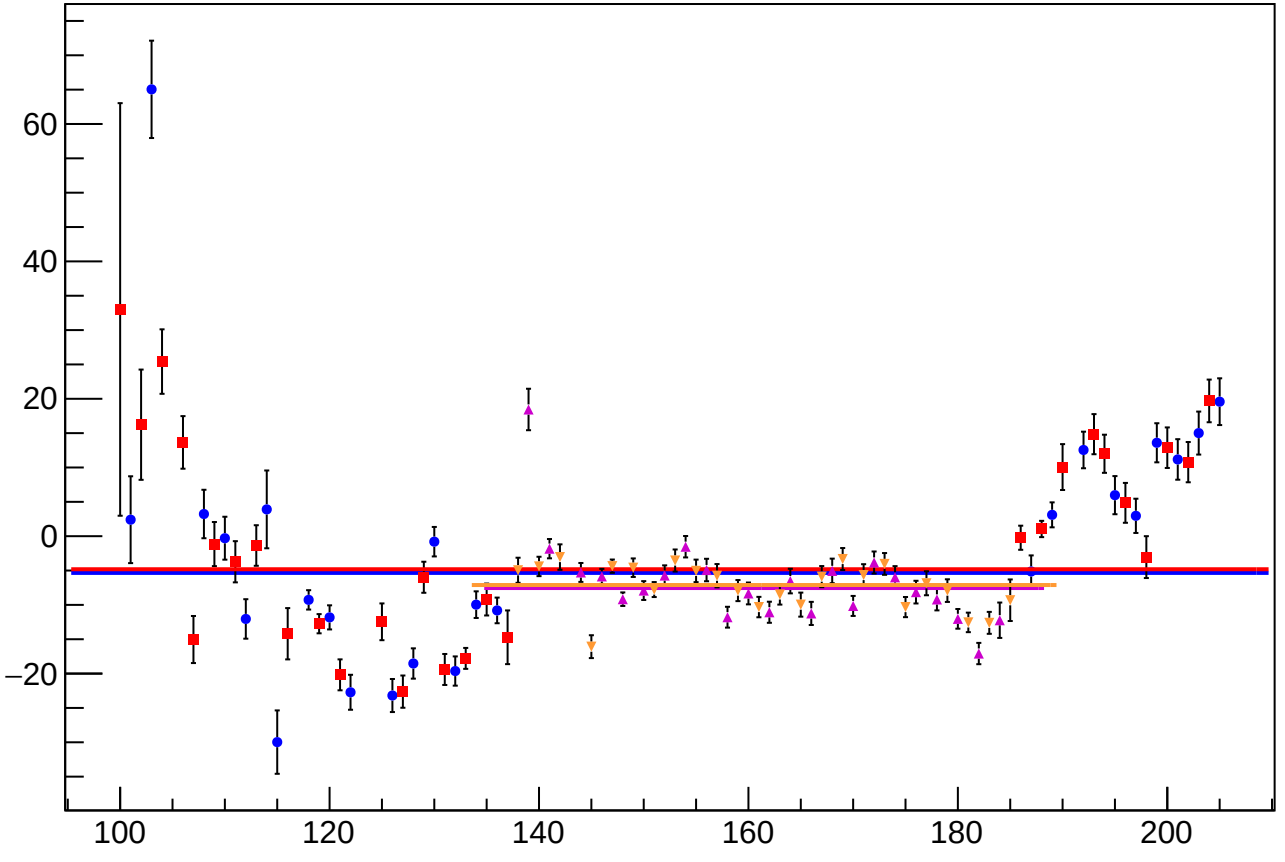
Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -28.576+/-0.301 χ^2/NDF: 1408.9/48

All: -28.771+/-0.209 χ^2/NDF: 3583.1/99

\- sign -28.952+/-0.290 χ^2/NDF: 2173.4/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -5.344+/-0.493 χ^2/NDF: 633.9/24

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

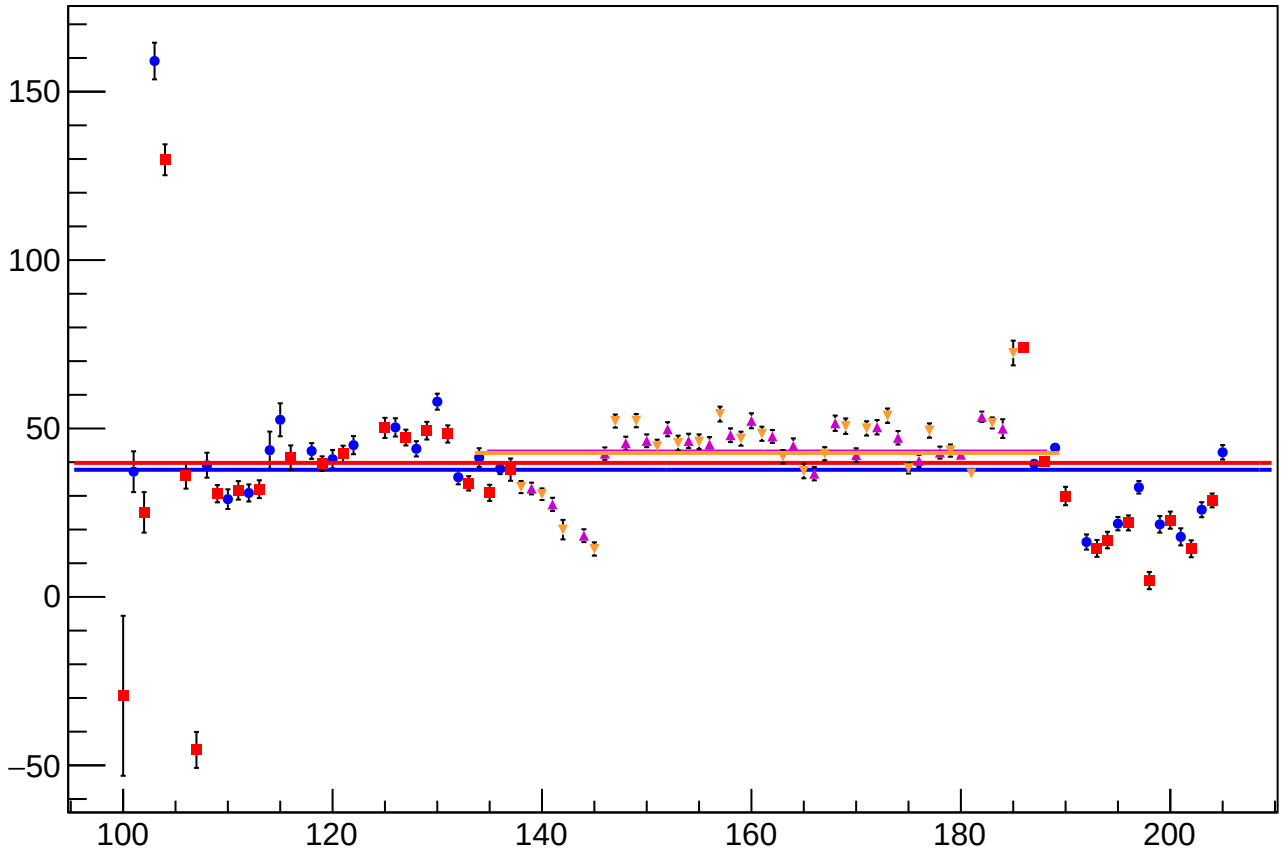
Right Out: -4.813+/-0.464 χ^2/NDF: 631.5/27

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.611+/-0.262 χ^2/NDF: 752.7/48

All: -6.647+/-0.185 χ^2/NDF: 1607.7/99

- sign -6.683+/-0.261 χ^2/NDF: 855.0/50



Right In: 37.746+/-0.451 χ^2/NDF: 968.7/24

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 39.795+/-0.394 χ^2/NDF: 2307.2/27

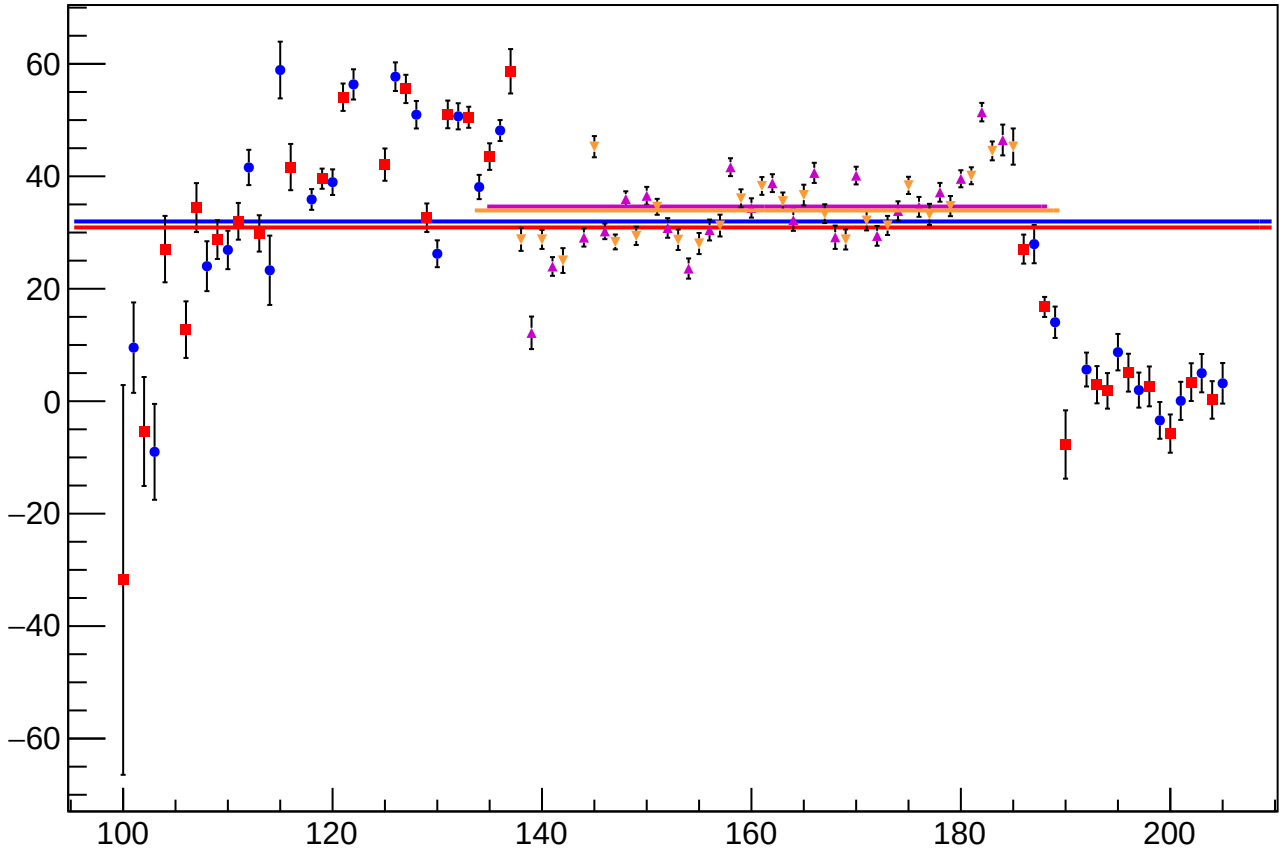
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 40.523+/-0.301 χ^2/NDF: 1668.5/48

All: 41.002+/-0.206 χ^2/NDF: 4428.9/99

\- sign 41.427+/-0.283 χ^2/NDF: 2755.6/50

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 31.970+/-0.577 χ^2/NDF: 1083.2/24

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

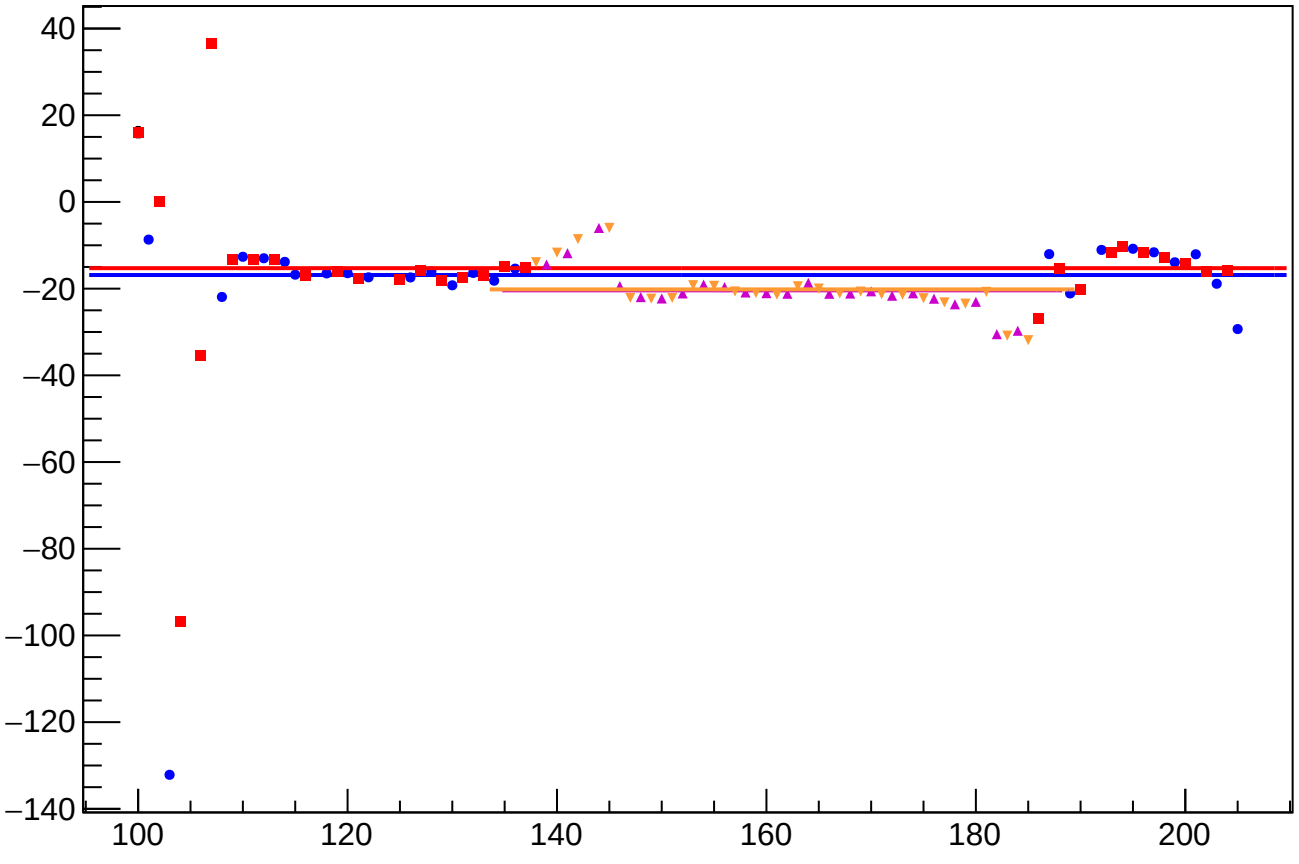
Right Out: 30.902+/-0.560 χ^2/NDF: 1170.1/27

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 33.401+/-0.300 χ^2/NDF: 1308.1/48

All: 33.476+/-0.212 χ^2/NDF: 2885.9/99

- sign 33.551+/-0.301 χ^2/NDF: 1577.6/50



Right In: -16.857+/-0.028 χ^2/NDF: 272314.3/24

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.275+/-0.027 χ^2/NDF: 217366.5/27

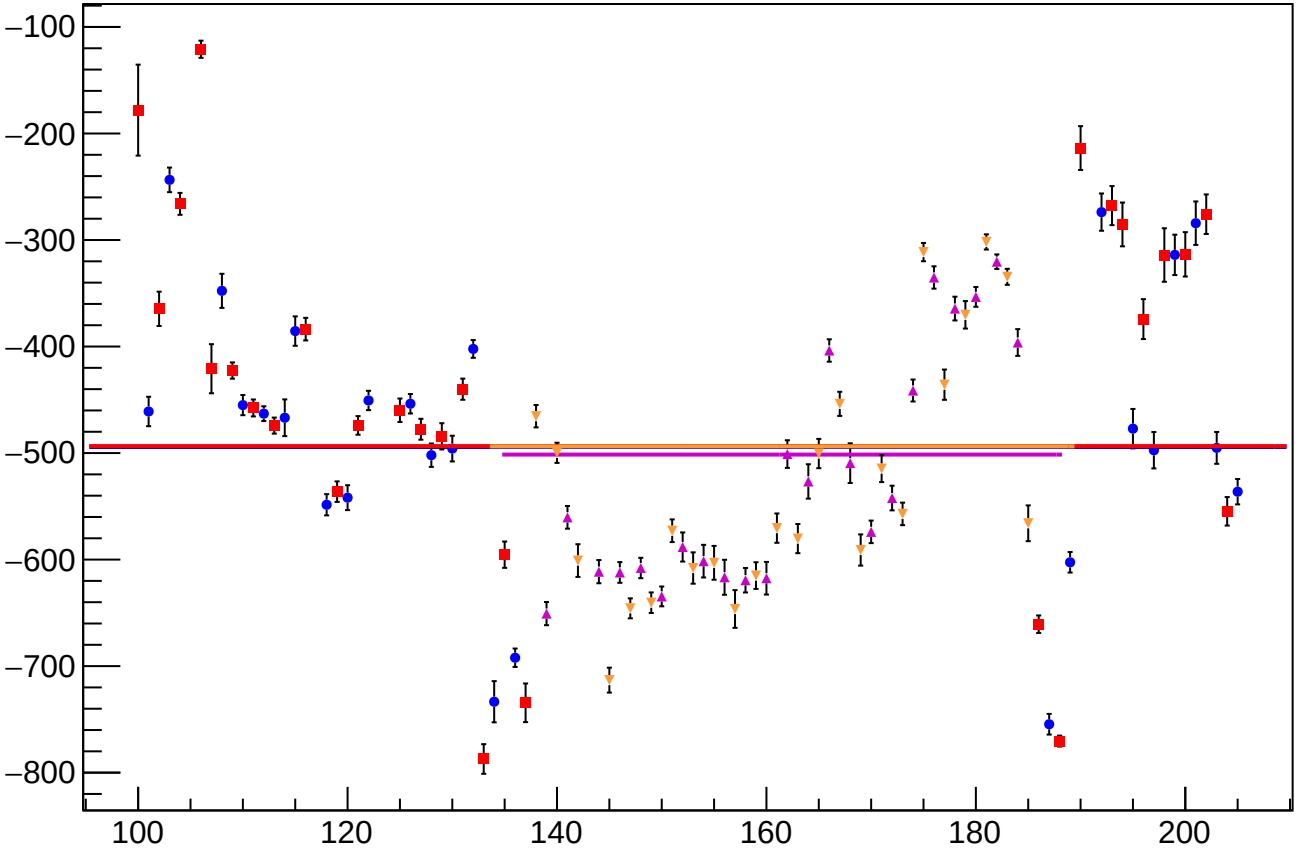
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.379+/-0.014 χ^2/NDF: 382860.8/48

All: -19.249+/-0.010 χ^2/NDF: 707783.6/99

- sign -19.121+/-0.014 χ^2/NDF: 324745.3/50

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -494.290+/-2.283 χ^2/NDF: 2766.0/24

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -493.440+/-2.041 χ^2/NDF: 7791.1/27

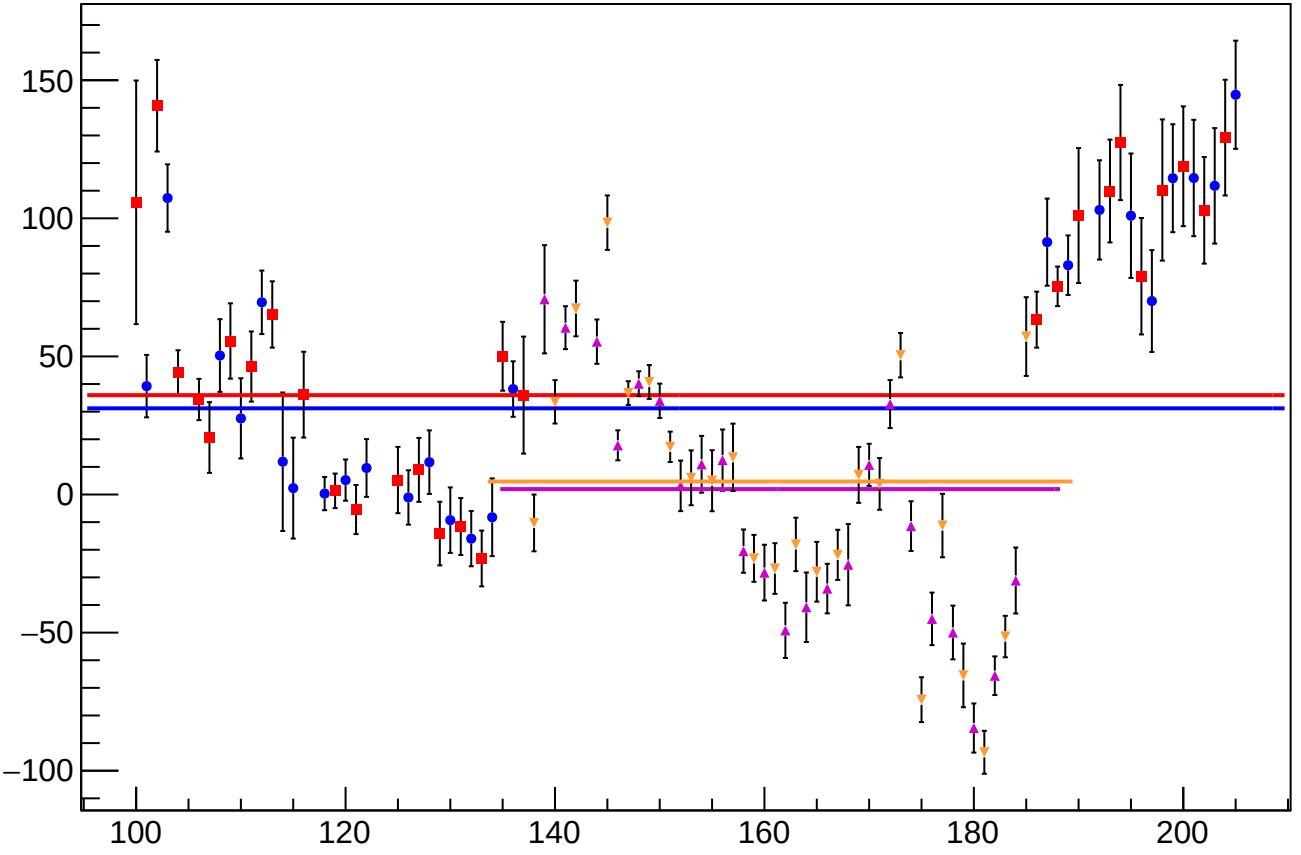
Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.007+/-1.618 χ^2/NDF: 5916.0/48

All: -495.561+/-1.111 χ^2/NDF: 16404.9/99

- sign -496.947+/-1.528 χ^2/NDF: 10487.2/50

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 31.204+/-2.409 χ^2/NDF: 304.4/24

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 35.981+/-2.231 χ^2/NDF: 332.3/27

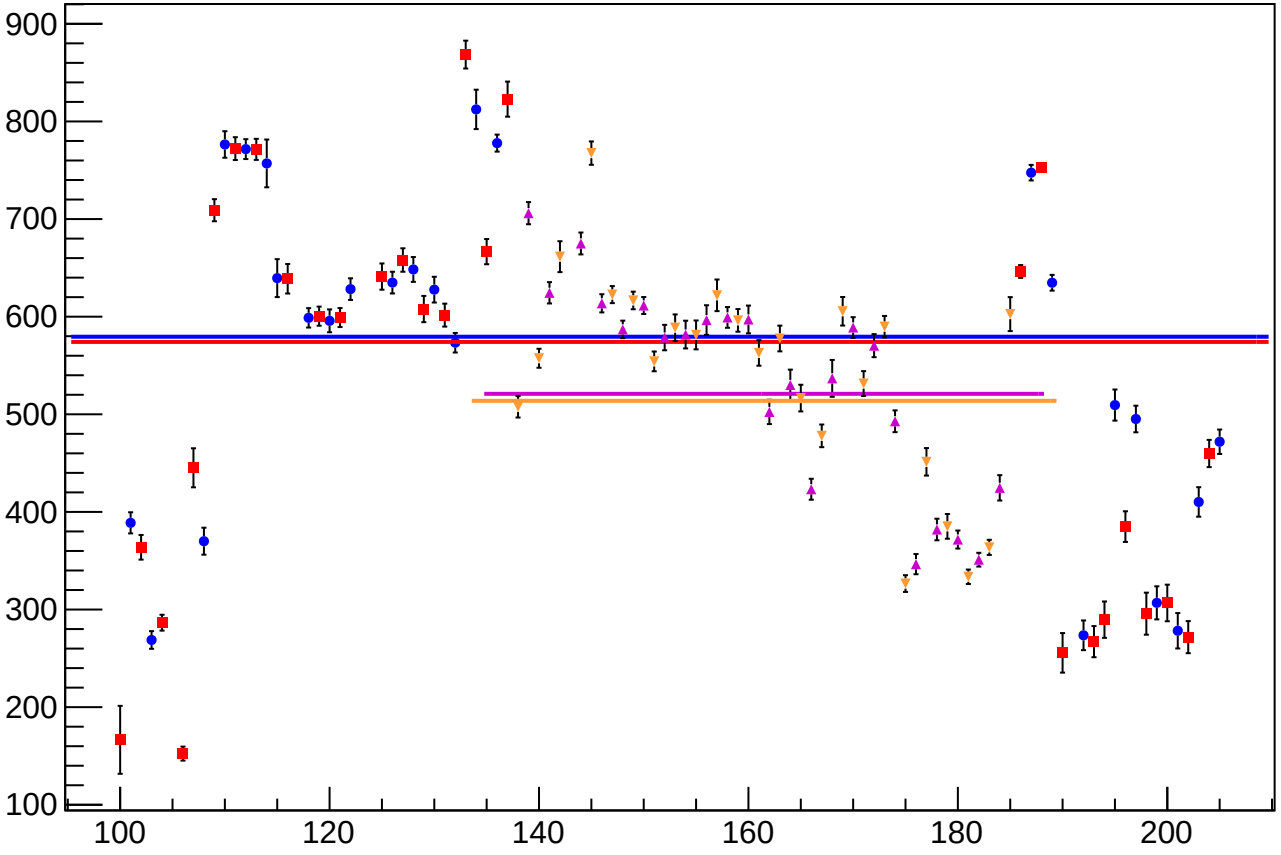
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 13.487+/-1.387 χ^2/NDF: 1065.6/48

All: 14.088+/-0.972 χ^2/NDF: 2104.8/99

\- sign 14.669+/-1.363 χ^2/NDF: 1038.8/50

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 579.478+/-2.367 χ^2/NDF: 4776.6/24

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 574.158+/-2.036 χ^2/NDF: 10470.1/27

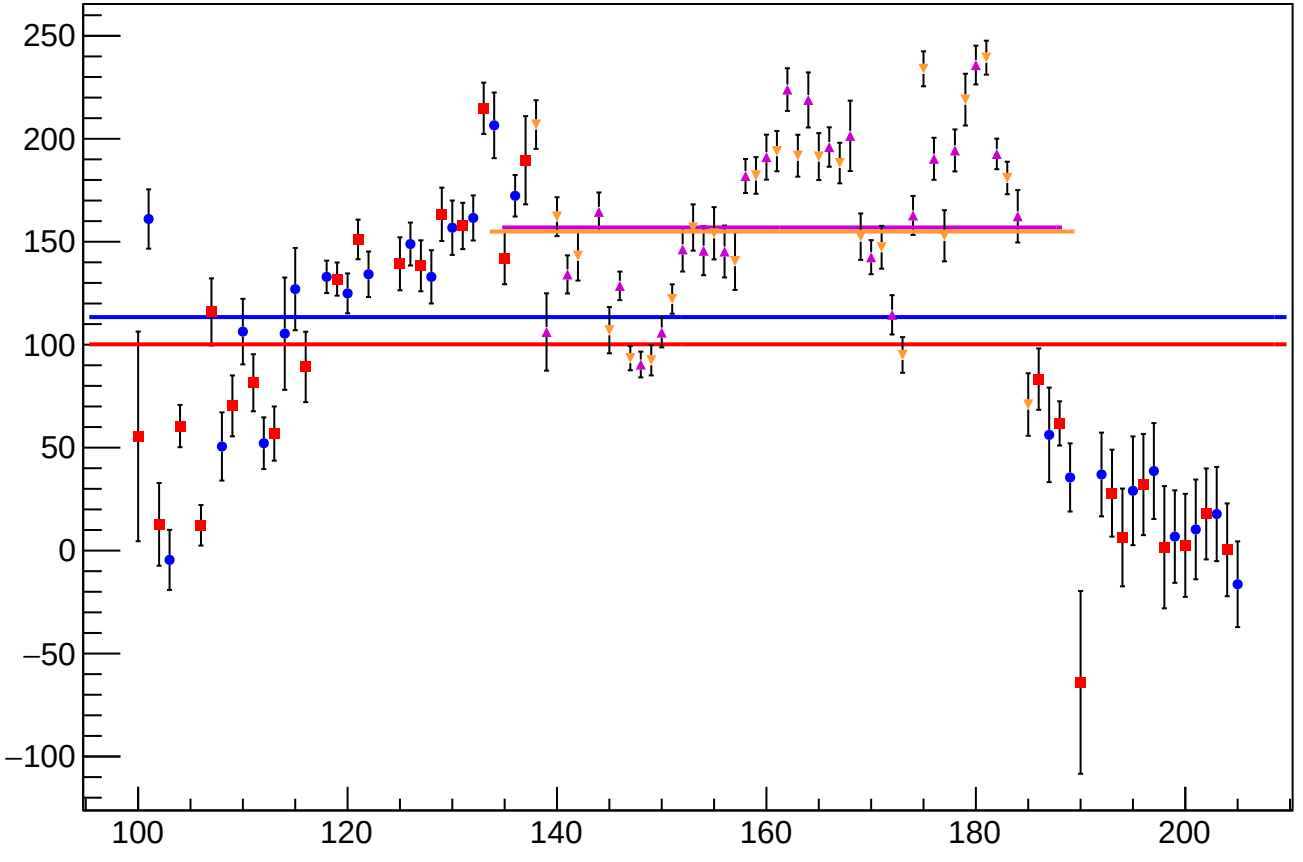
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 545.388+/-1.641 χ^2/NDF: 7911.7/48

All: 548.198+/-1.115 χ^2/NDF: 21132.1/99

- sign 550.609+/-1.520 χ^2/NDF: 13215.0/50

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 113.401+/-2.834 χ^2/NDF: 398.8/24

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

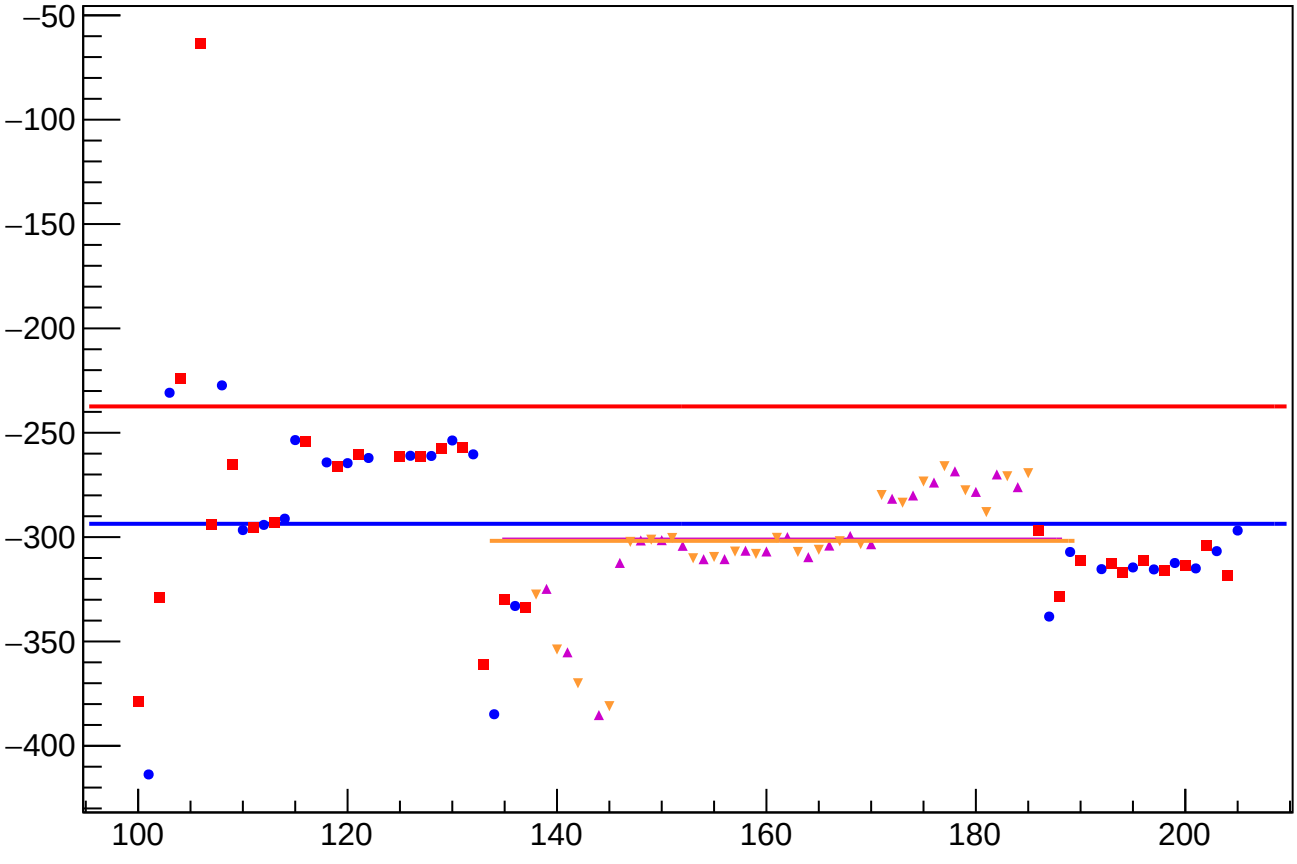
Right Out: 100.173+/-2.682 χ^2/NDF: 480.2/27

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 141.567+/-1.608 χ^2/NDF: 1153.4/48

All: 139.270+/-1.130 χ^2/NDF: 2371.6/99

- sign 137.030+/-1.588 χ^2/NDF: 1214.2/50



Right In: -293.623+/-0.147 χ^2/NDF: 112997.2/24

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -237.385+/-0.127 χ^2/NDF: 679762.9/27

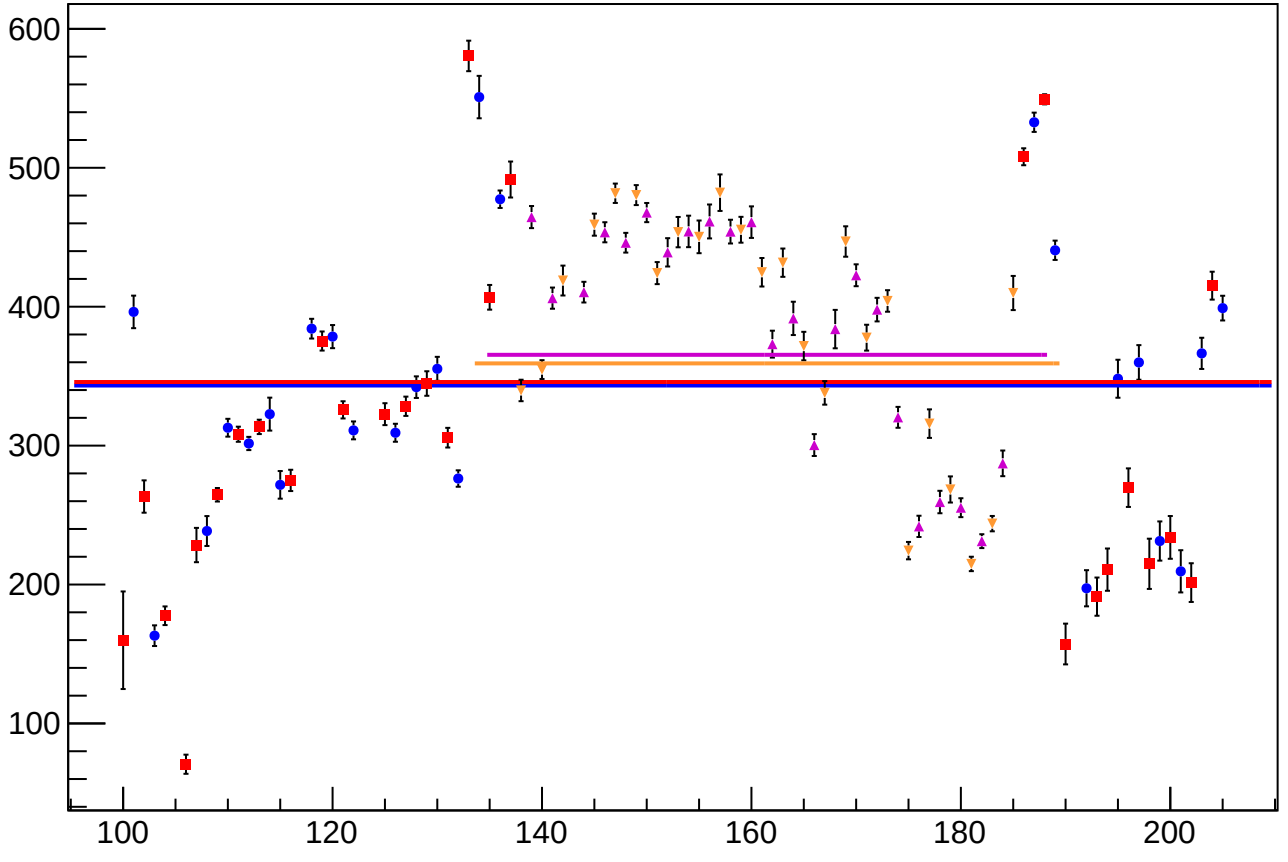
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.523+/-0.077 χ^2/NDF: 201957.1/48

All: -289.129+/-0.053 χ^2/NDF: 1160265.2/99

- sign -279.743+/-0.073 χ^2/NDF: 923803.7/50

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 343.274+/-1.624 χ^2/NDF: 2982.2/24

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

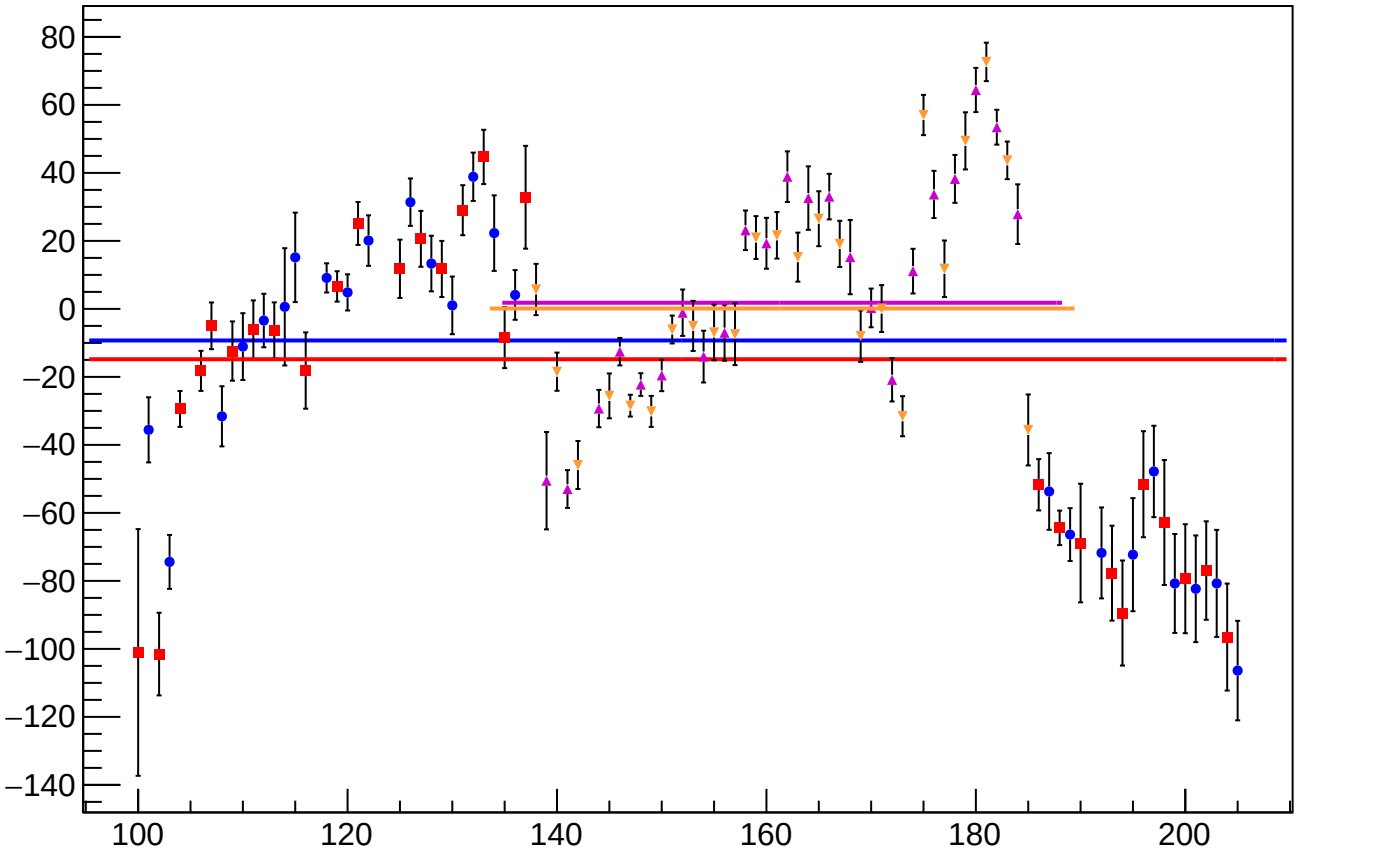
Right Out: 345.789+/-1.449 χ^2/NDF: 8026.0/27

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 350.955+/-1.168 χ^2/NDF: 6216.5/48

All: 352.605+/-0.801 χ^2/NDF: 17062.9/99

- sign 354.070+/-1.101 χ^2/NDF: 10842.6/50



Right In: -9.284+/-1.725 χ^2/NDF: 451.6/24

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

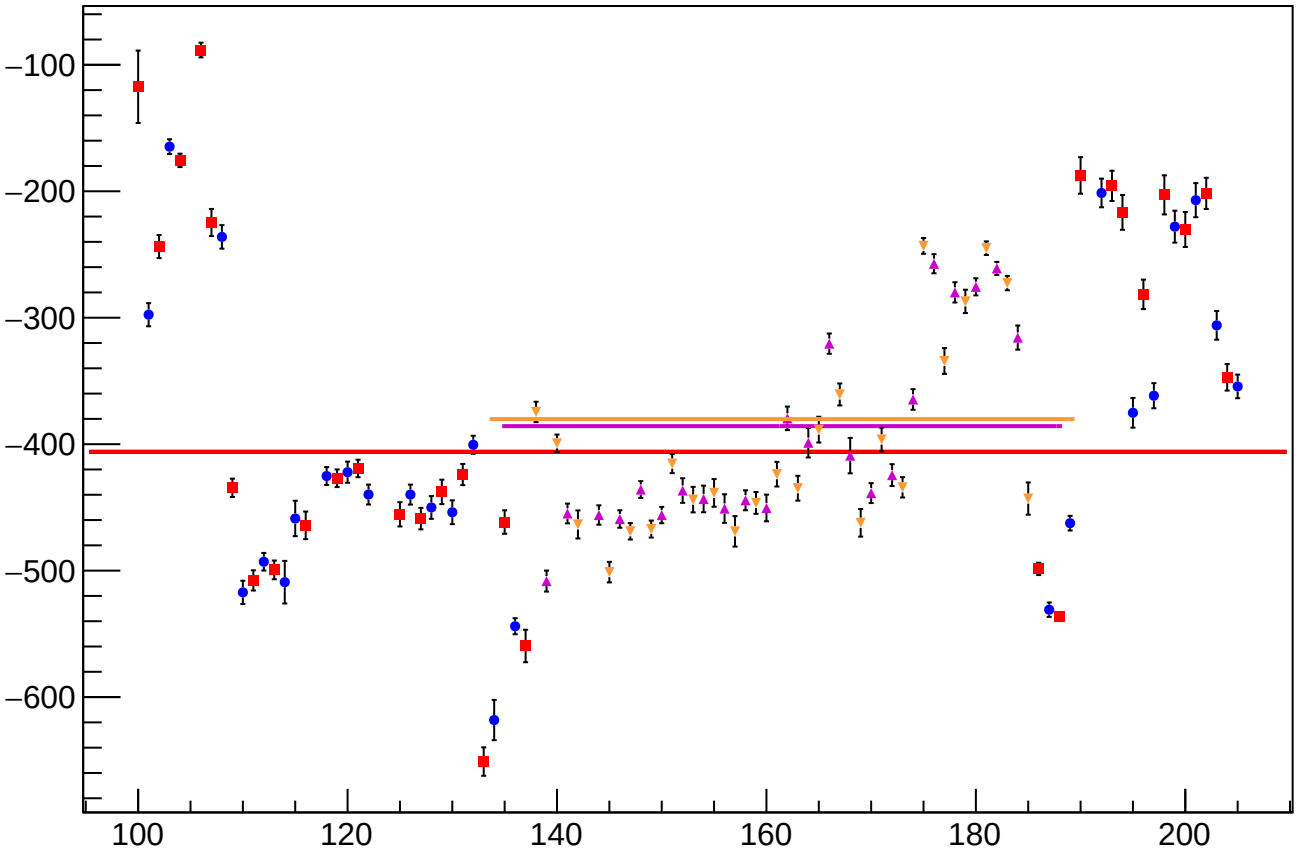
Right Out: -14.806+/-1.580 χ^2/NDF: 518.6/27

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -3.110+/-1.011 χ^2/NDF: 1109.0/48

All: -3.918+/-0.707 χ^2/NDF: 2273.2/99

- sign -4.690+/-0.988 χ^2/NDF: 1163.0/50



Right In: -406.130+/-1.692 χ^2/NDF: 4734.5/24

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.940+/-1.454 χ^2/NDF: 10504.6/27

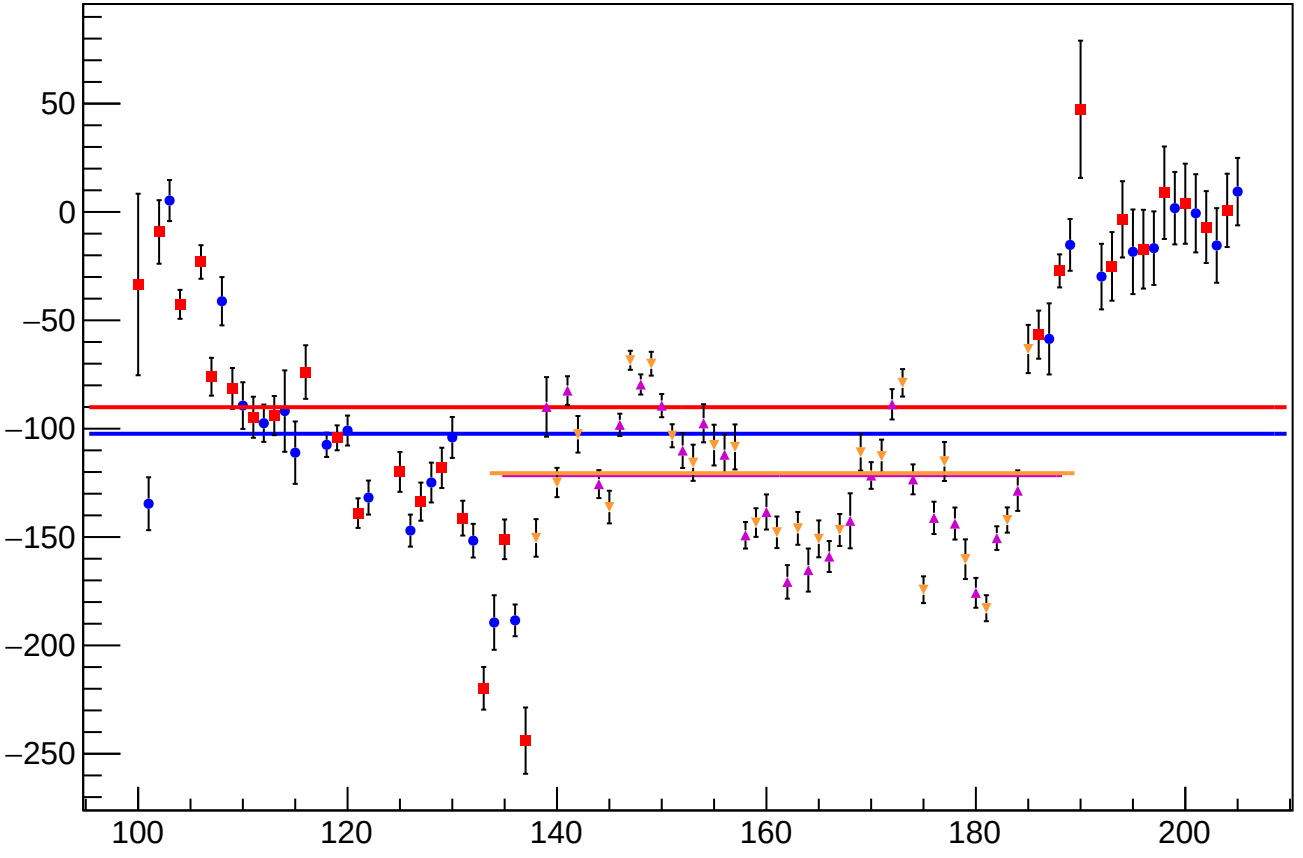
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

\+ sign -392.963+/-1.189 χ^2/NDF: 7472.6/48

All: -395.284+/-0.807 χ^2/NDF: 20428.5/99

\- sign -397.266+/-1.098 χ^2/NDF: 12948.8/50

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -102.343+/-2.029 χ^2/NDF: 727.5/24

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

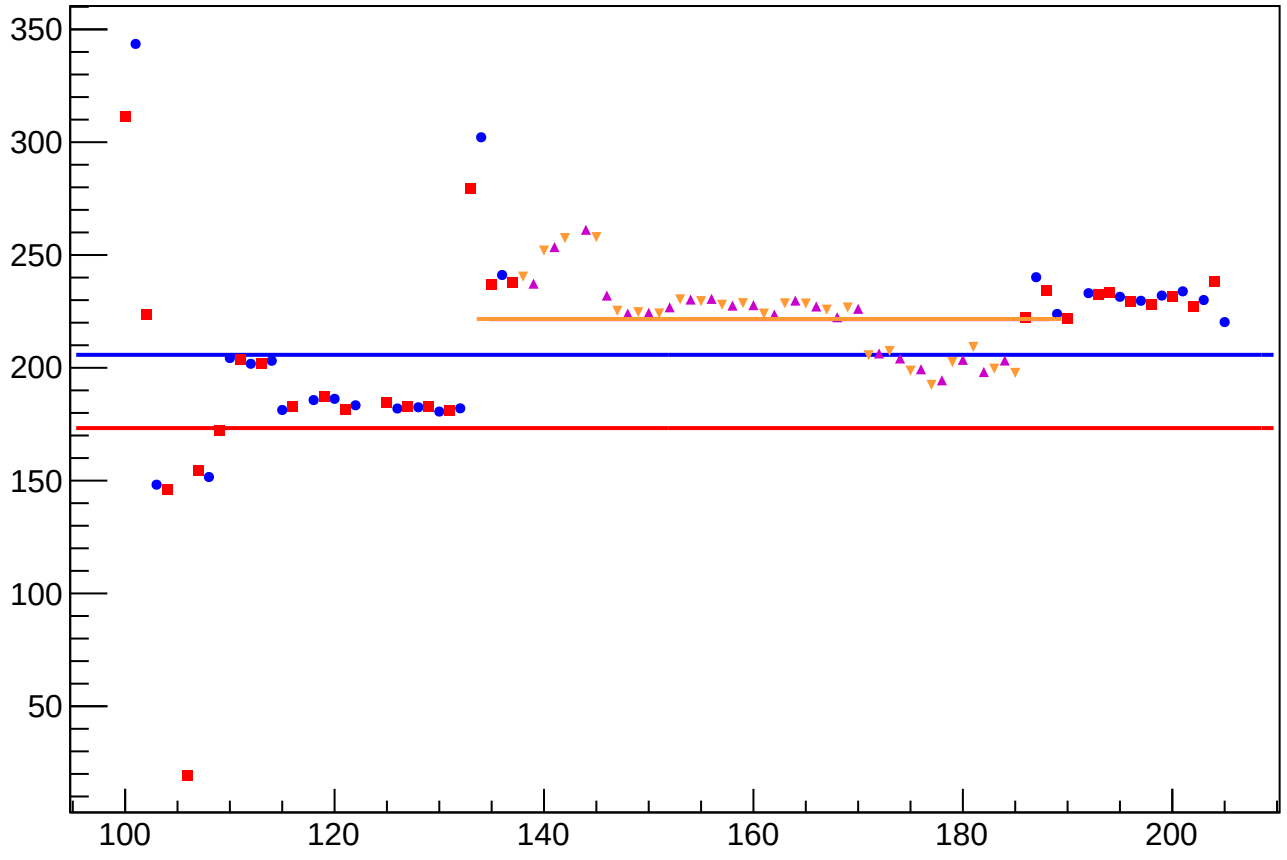
Right Out: -90.082+/-1.898 χ^2/NDF: 878.9/27

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -114.470+/-1.172 χ^2/NDF: 1392.6/48

All: -112.144+/-0.821 χ^2/NDF: 2884.5/99

- sign -109.895+/-1.152 χ^2/NDF: 1484.1/50



Right In: 205.757+/-0.105 χ^2/NDF: 201098.4/24

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

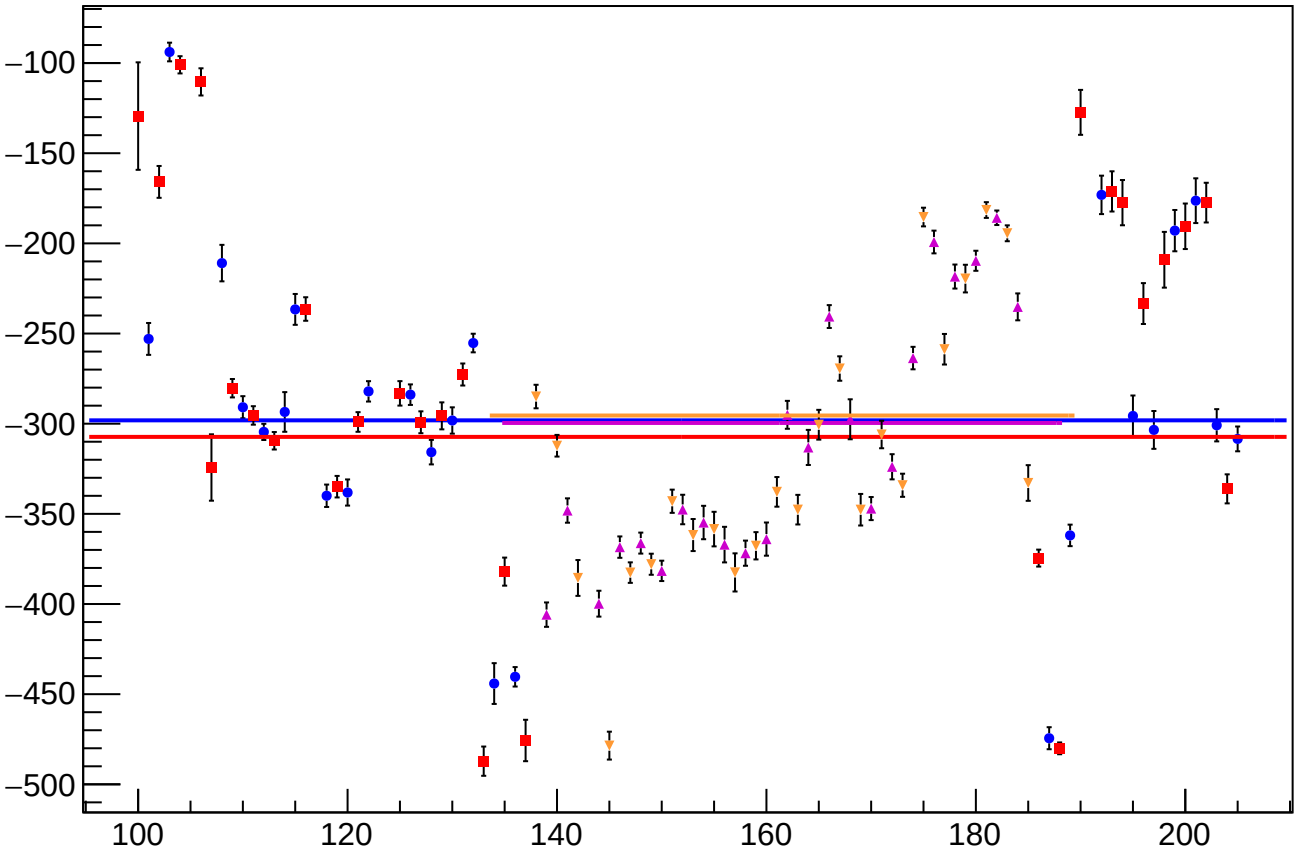
Right Out: 173.287+/-0.094 χ^2/NDF: 647247.7/27

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.059+/-0.056 χ^2/NDF: 284730.3/48

All: 211.028+/-0.039 χ^2/NDF: 1193768.8/99

- sign 205.456+/-0.054 χ^2/NDF: 886900.1/50



Right In: -298.142+/-1.395 χ^2/NDF: 4009.2/24

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

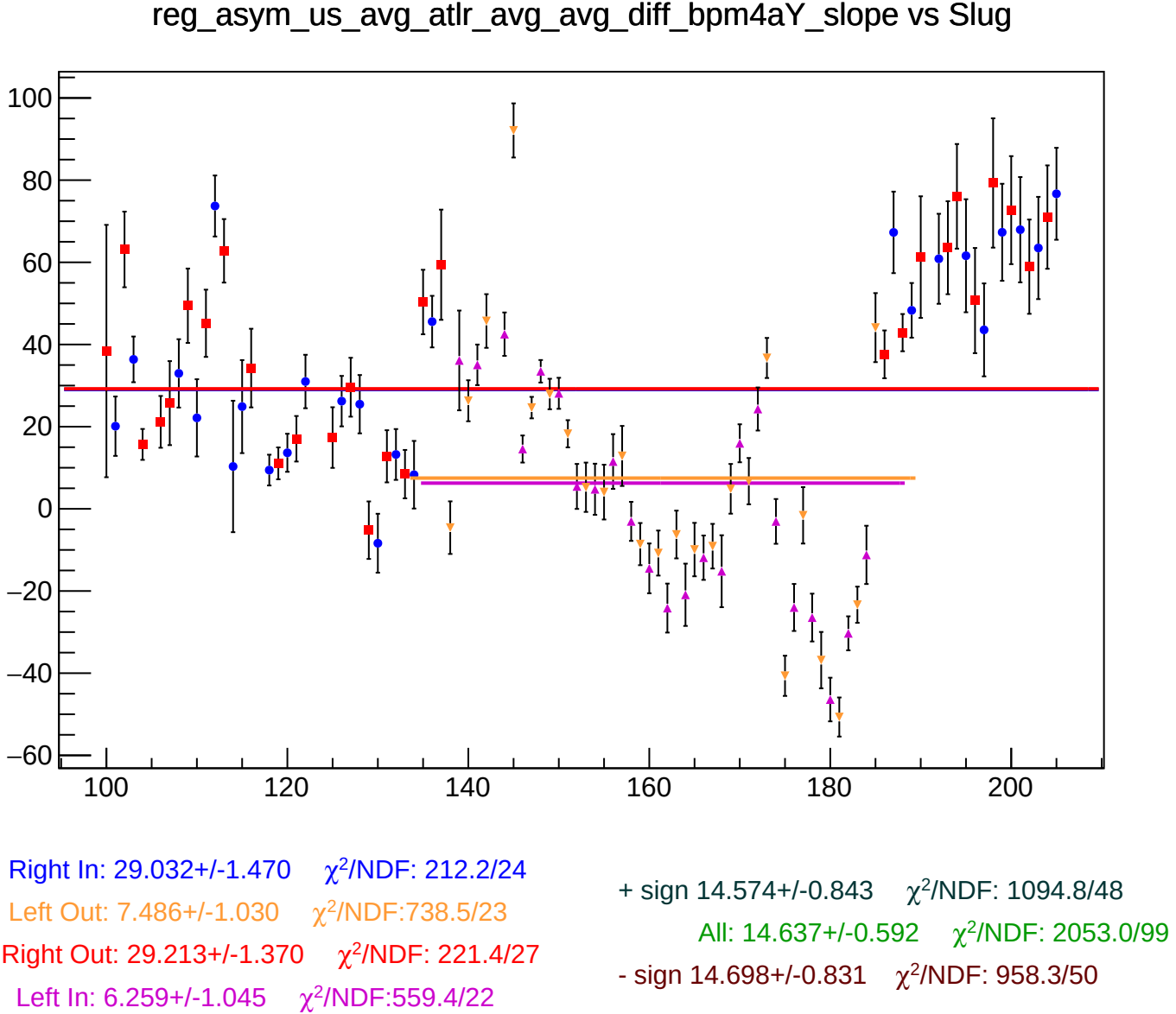
Right Out: -307.315+/-1.274 χ^2/NDF: 7626.3/27

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

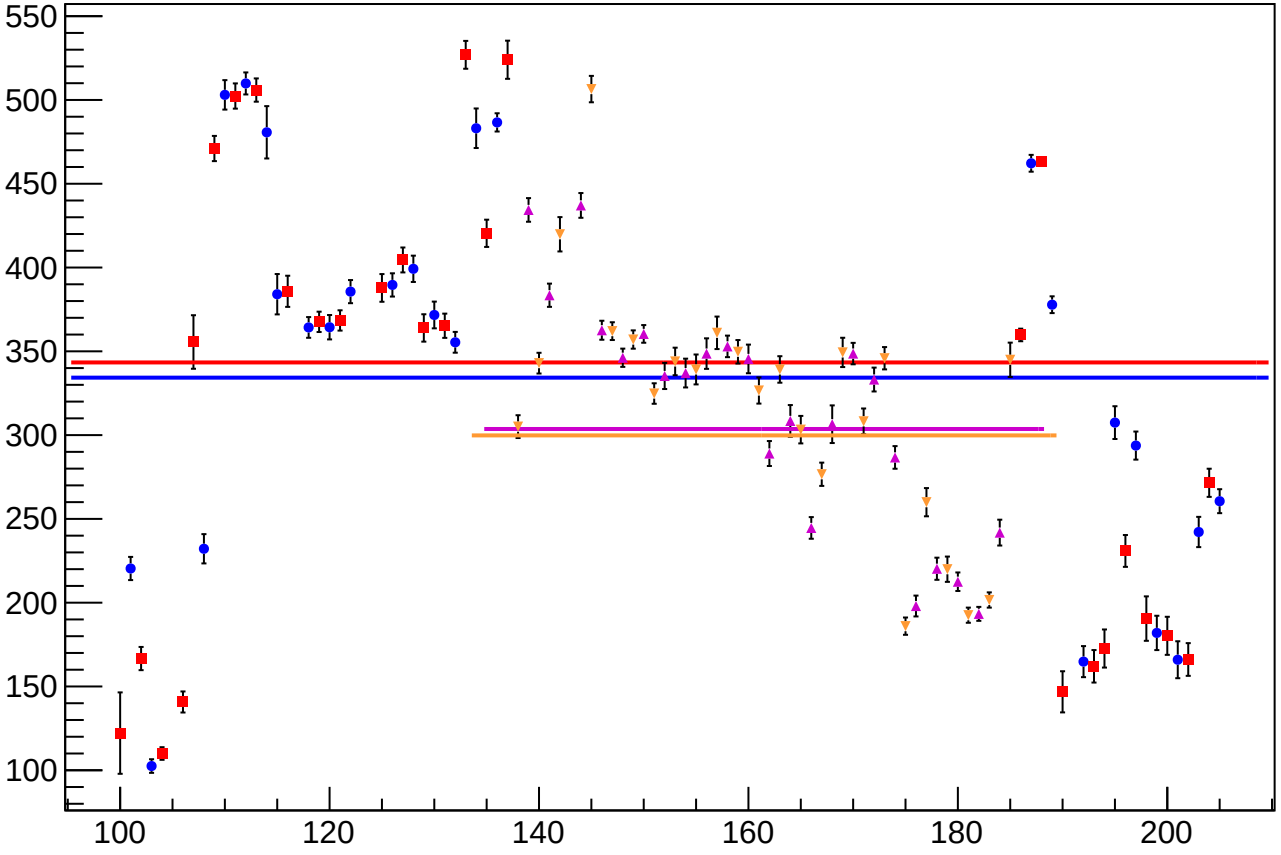
+ sign -296.801+/-0.986 χ^2/NDF: 7357.4/48

All: -300.466+/-0.681 χ^2/NDF: 17998.5/99

- sign -303.807+/-0.941 χ^2/NDF: 10614.7/50


reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug
100
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 29.032+/-1.470 χ²/NDF: 212.2/24
Left Out: 7.486+/-1.030 χ²/NDF:738.5/23
Right Out: 29.213+/-1.370 χ²/NDF: 221.4/27
Left In: 6.259+/-1.045 χ²/NDF:559.4/22
+ sign 14.574+/-0.843 χ²/NDF: 1094.8/48
All: 14.637+/-0.592 χ²/NDF: 2053.0/99
- sign 14.698+/-0.831 χ²/NDF: 958.3/50

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 334.291+/-1.425 χ^2/NDF: 7804.8/24

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 343.364+/-1.252 χ^2/NDF: 11692.1/27

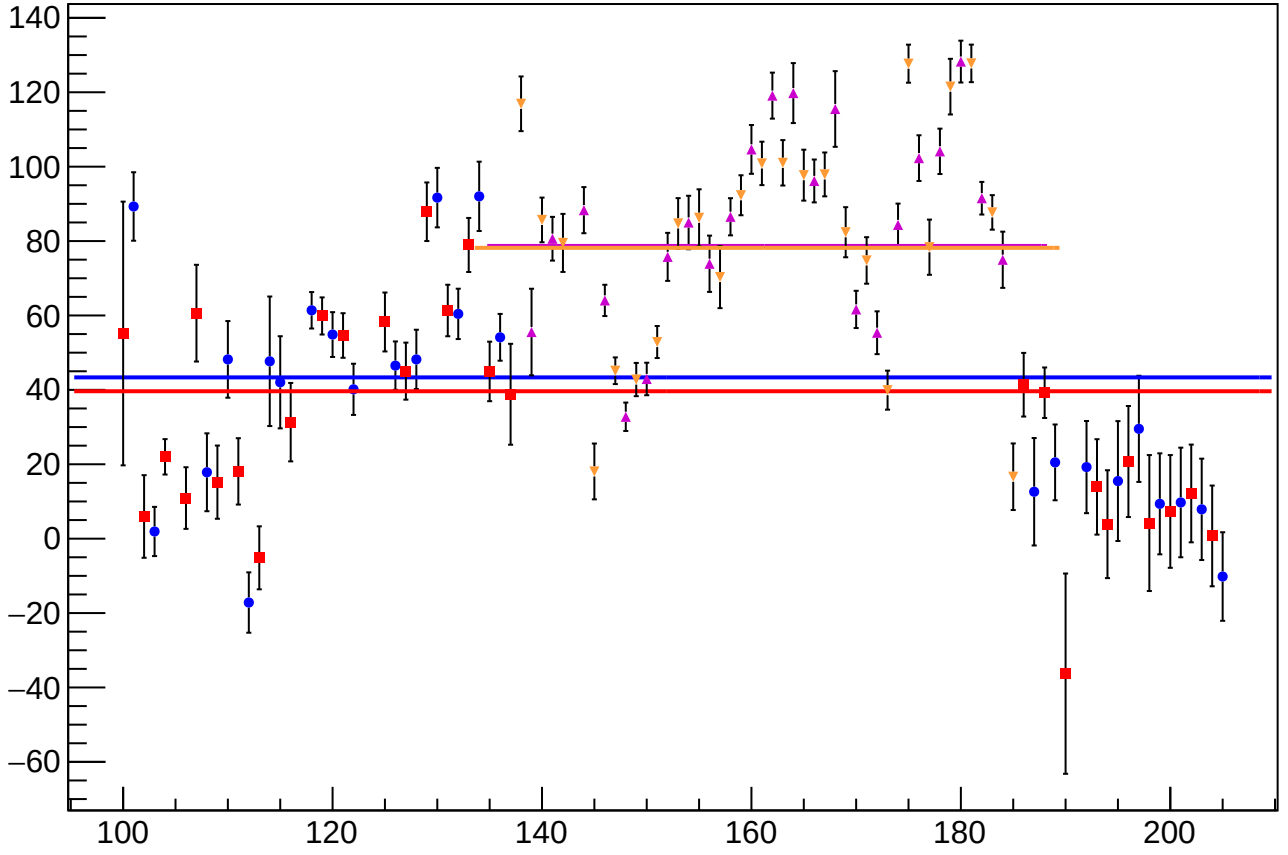
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

\+ sign 316.523+/-0.992 χ^2/NDF: 11182.6/48

All: 321.289+/-0.678 χ^2/NDF: 26243.8/99

\- sign 325.466+/-0.928 χ^2/NDF: 15017.8/50

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.355+/-1.729 χ^2/NDF: 272.9/24

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

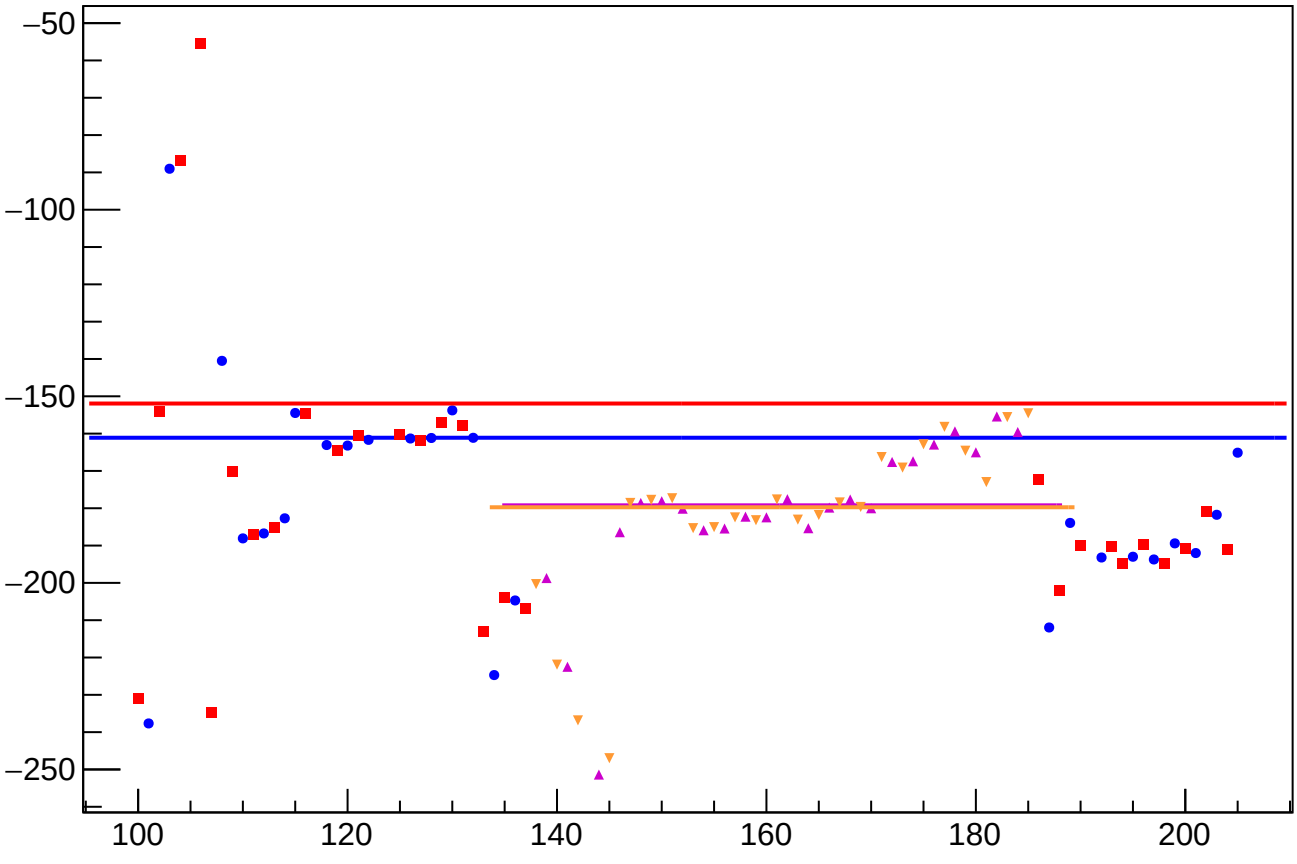
Right Out: 39.630+/-1.648 χ^2/NDF: 224.8/27

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 67.059+/-0.977 χ^2/NDF: 1212.3/48

All: 66.137+/-0.688 χ^2/NDF: 2295.5/99

- sign 65.235+/-0.967 χ^2/NDF: 1081.5/50



Right In: -161.106+/-0.085 χ^2/NDF: 303550.9/24

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.937+/-0.081 χ^2/NDF: 418114.4/27

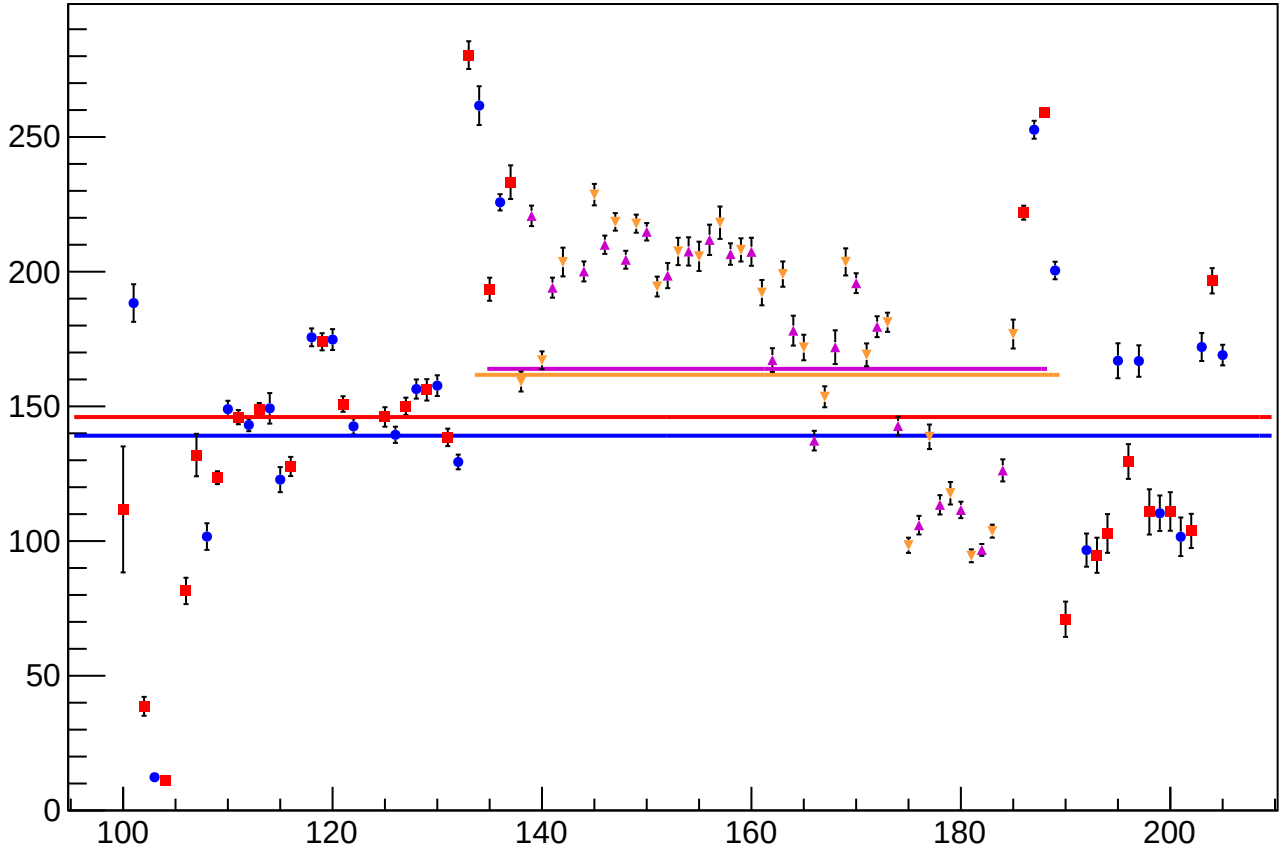
Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.219+/-0.046 χ^2/NDF: 469747.3/48

All: -172.411+/-0.032 χ^2/NDF: 1082804.5/99

- sign -170.678+/-0.045 χ^2/NDF: 610049.8/50

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 139.113+/-0.719 χ^2/NDF: 8140.4/24

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

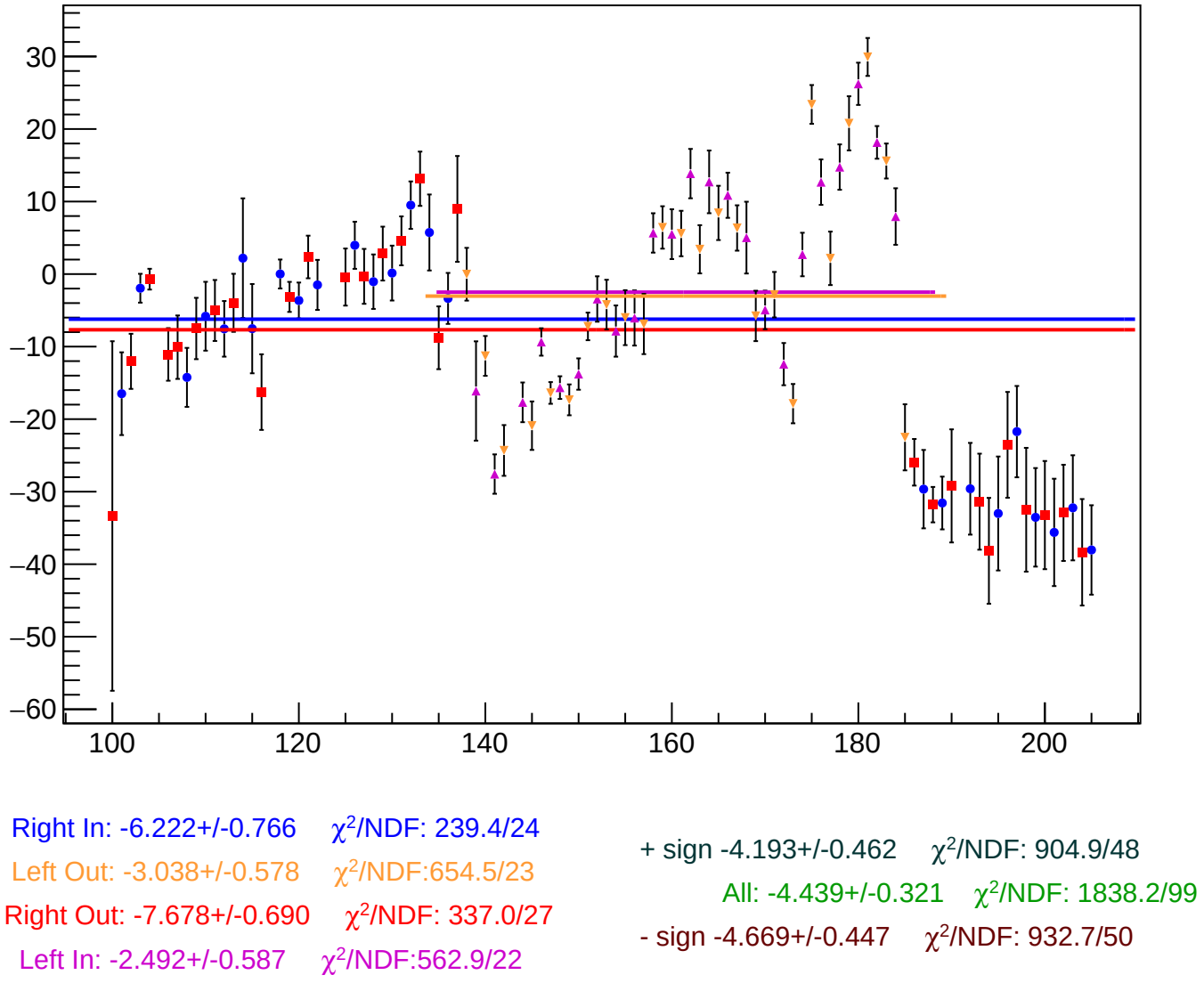
Right Out: 146.035+/-0.655 χ^2/NDF: 13214.0/27

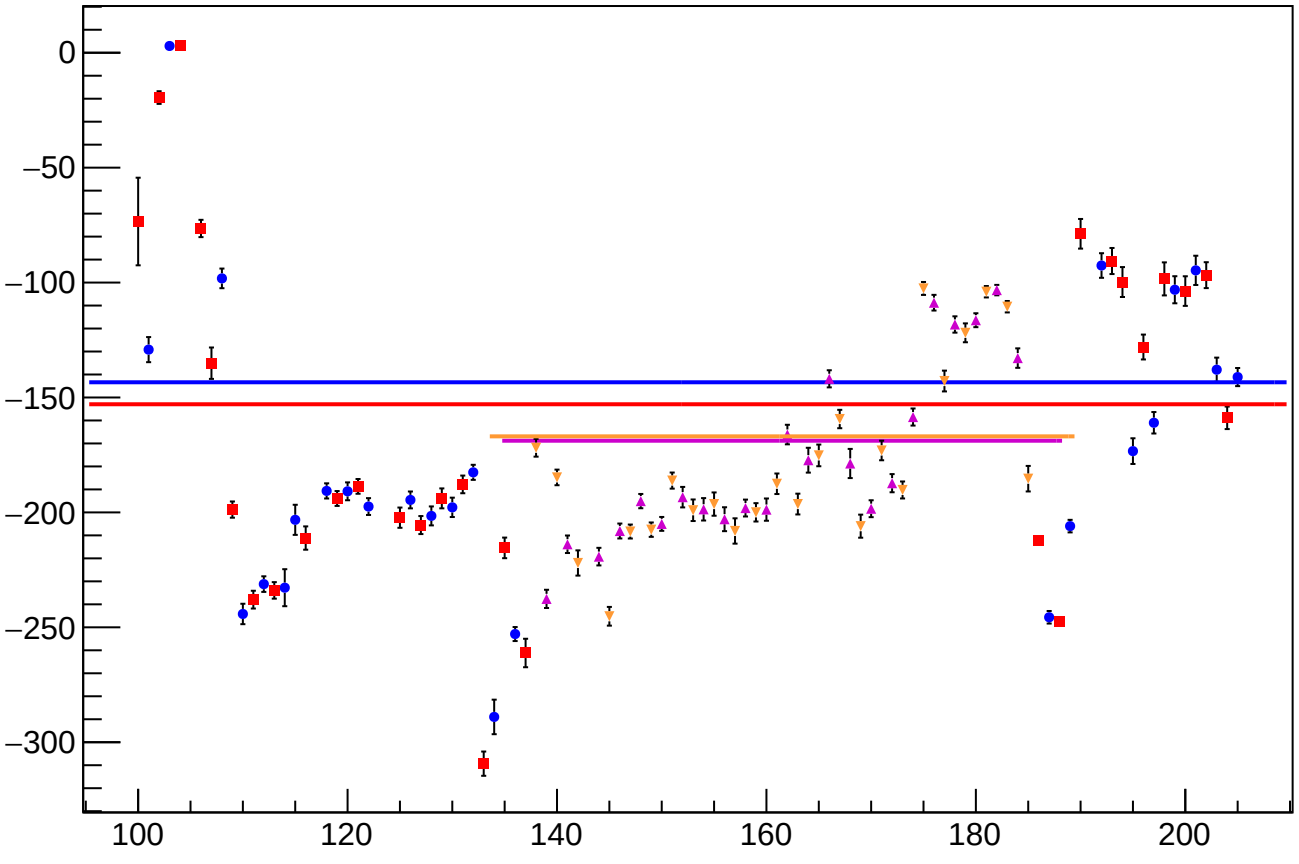
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.551+/-0.528 χ^2/NDF: 12183.6/48

All: 151.594+/-0.363 χ^2/NDF: 29070.7/99

- sign 153.439+/-0.501 χ^2/NDF: 16858.5/50


reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -6.222+/-0.766 χ²/NDF: 239.4/24
Left Out: -3.038+/-0.578 χ²/NDF:654.5/23
Right Out: -7.678+/-0.690 χ²/NDF: 337.0/27
Left In: -2.492+/-0.587 χ²/NDF:562.9/22
+ sign -4.193+/-0.462 χ²/NDF: 904.9/48
All: -4.439+/-0.321 χ²/NDF: 1838.2/99
- sign -4.669+/-0.447 χ²/NDF: 932.7/50



Right In: -143.383+/-0.720 χ^2/NDF: 17123.3/24

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -152.947+/-0.636 χ^2/NDF: 23747.8/27

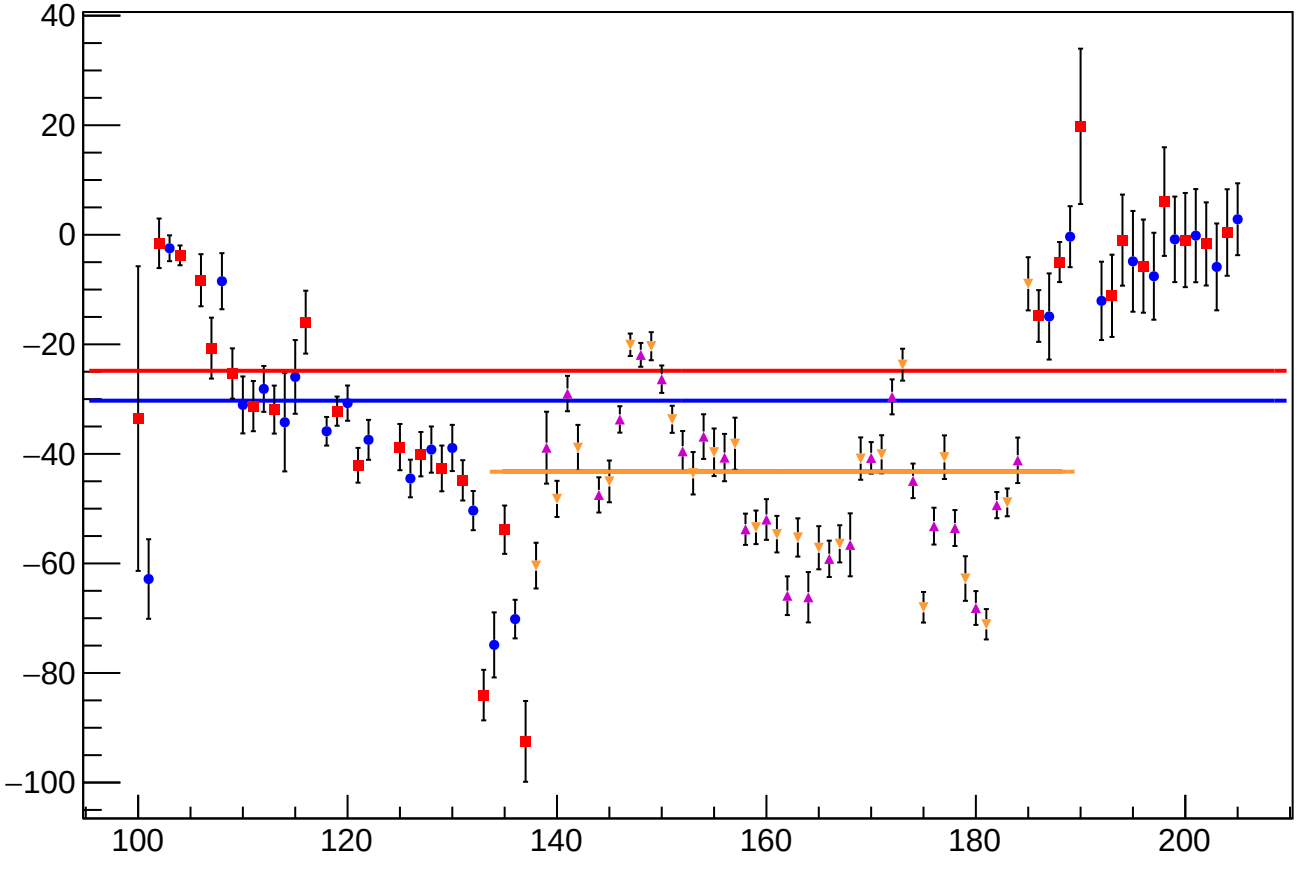
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -154.341+/-0.526 χ^2/NDF: 20717.3/48

All: -157.020+/-0.359 χ^2/NDF: 47824.7/99

- sign -159.352+/-0.491 χ^2/NDF: 27058.8/50

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -30.284+/-0.901 χ^2/NDF: 545.3/24

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

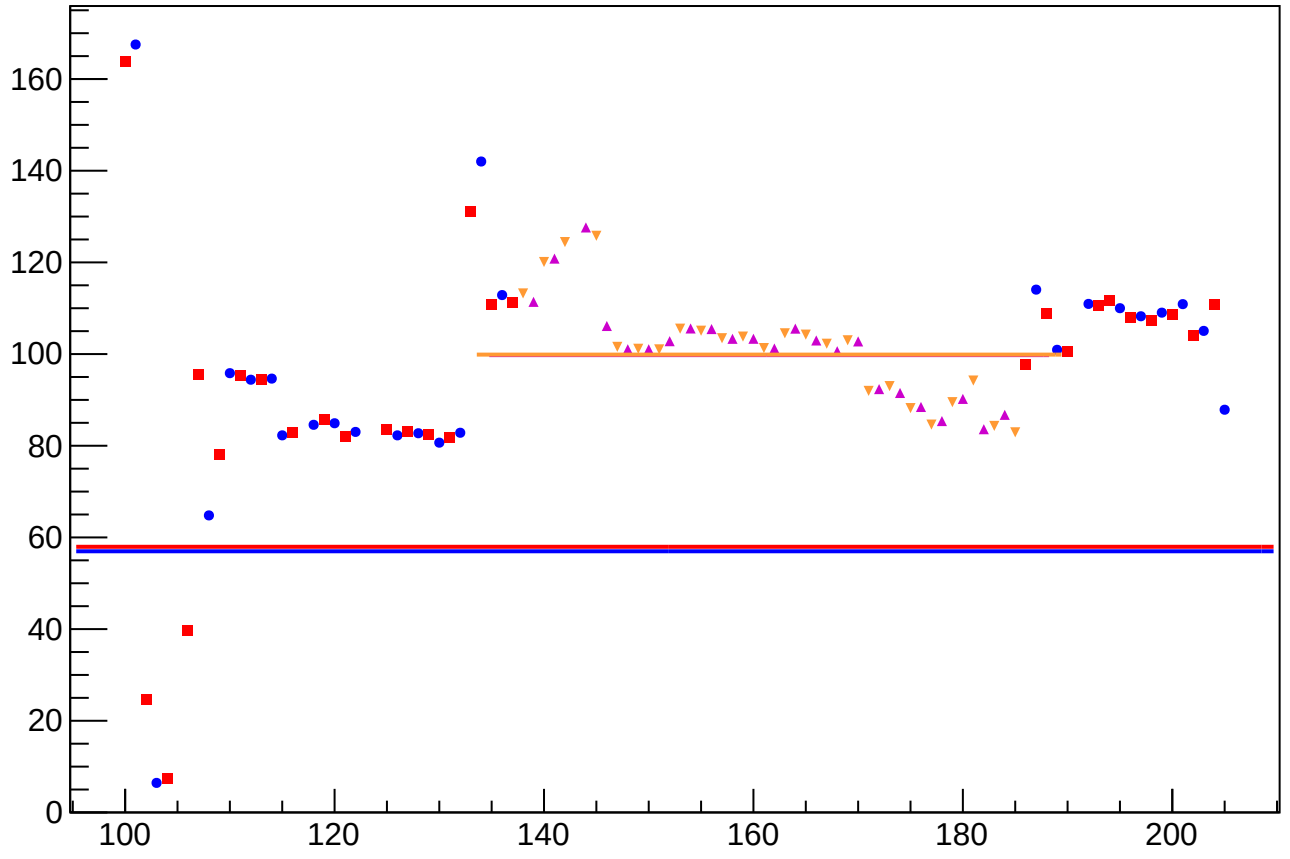
Right Out: -24.828+/-0.832 χ^2/NDF: 681.7/27

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -38.684+/-0.534 χ^2/NDF: 1289.8/48

All: -37.300+/-0.373 χ^2/NDF: 2686.3/99

- sign -35.980+/-0.522 χ^2/NDF: 1383.4/50



Right In: 56.978+/-0.040 χ^2/NDF: 1482458.8/24

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 57.958+/-0.039 χ^2/NDF: 1282732.1/27

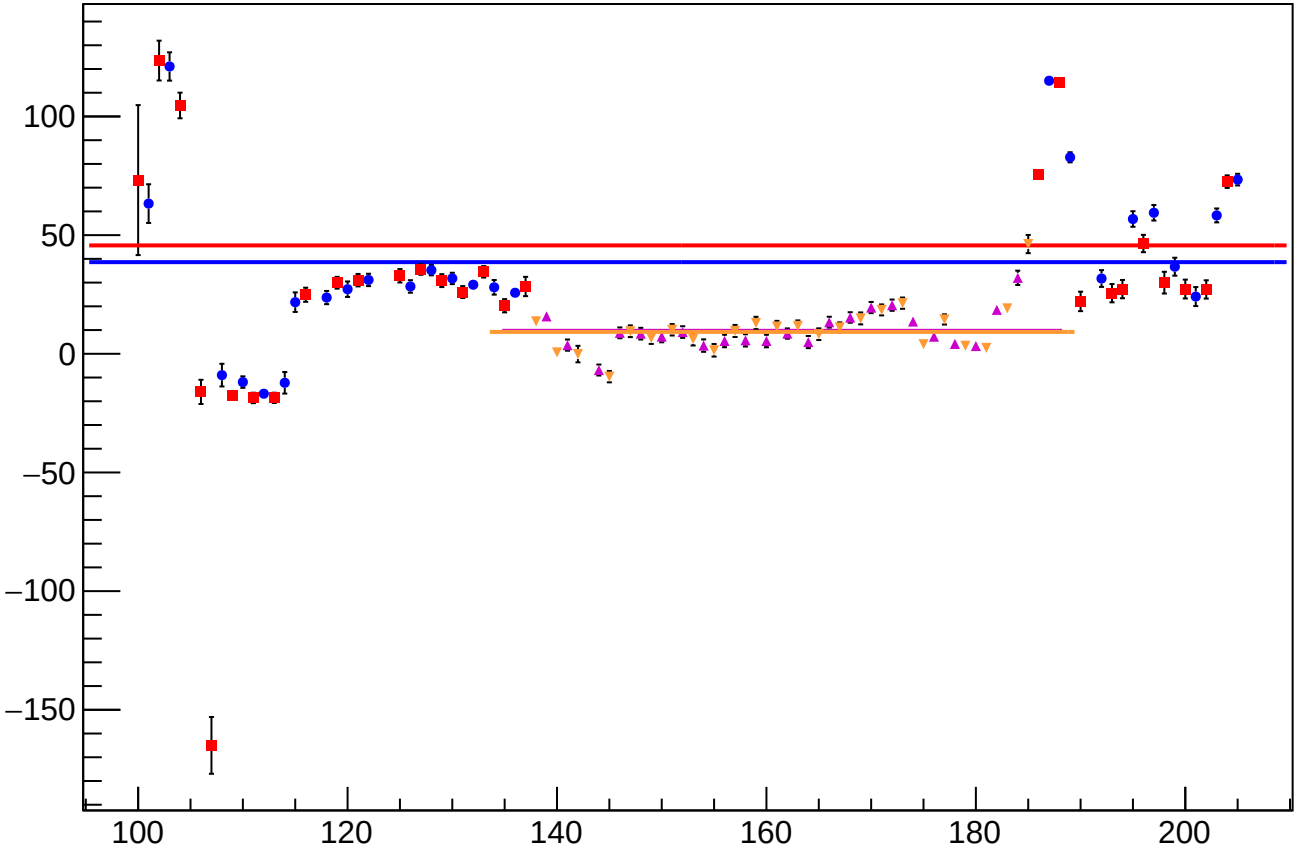
Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.980+/-0.024 χ^2/NDF: 2326702.6/48

All: 84.049+/-0.017 χ^2/NDF: 4424041.0/99

- sign 84.117+/-0.024 χ^2/NDF: 2097322.5/50

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 38.620+/-0.553 χ^2/NDF: 4017.7/24

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

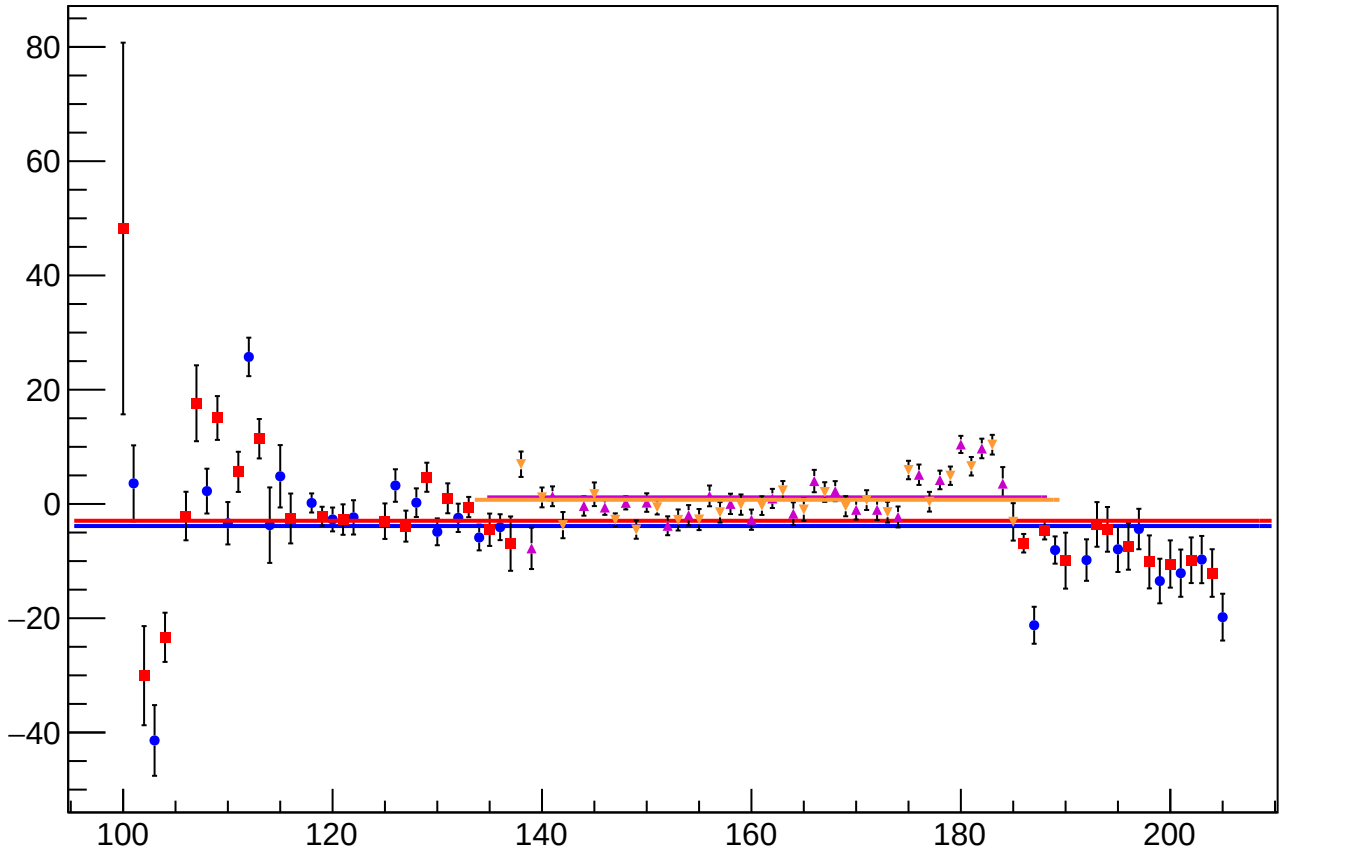
Right Out: 45.669+/-0.497 χ^2/NDF: 7938.1/27

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 21.144+/-0.352 χ^2/NDF: 6026.4/48

All: 23.862+/-0.244 χ^2/NDF: 17137.5/99

- sign 26.376+/-0.339 χ^2/NDF: 10996.4/50



Right In: -3.866+/-0.600 χ^2/NDF: 199.8/24

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

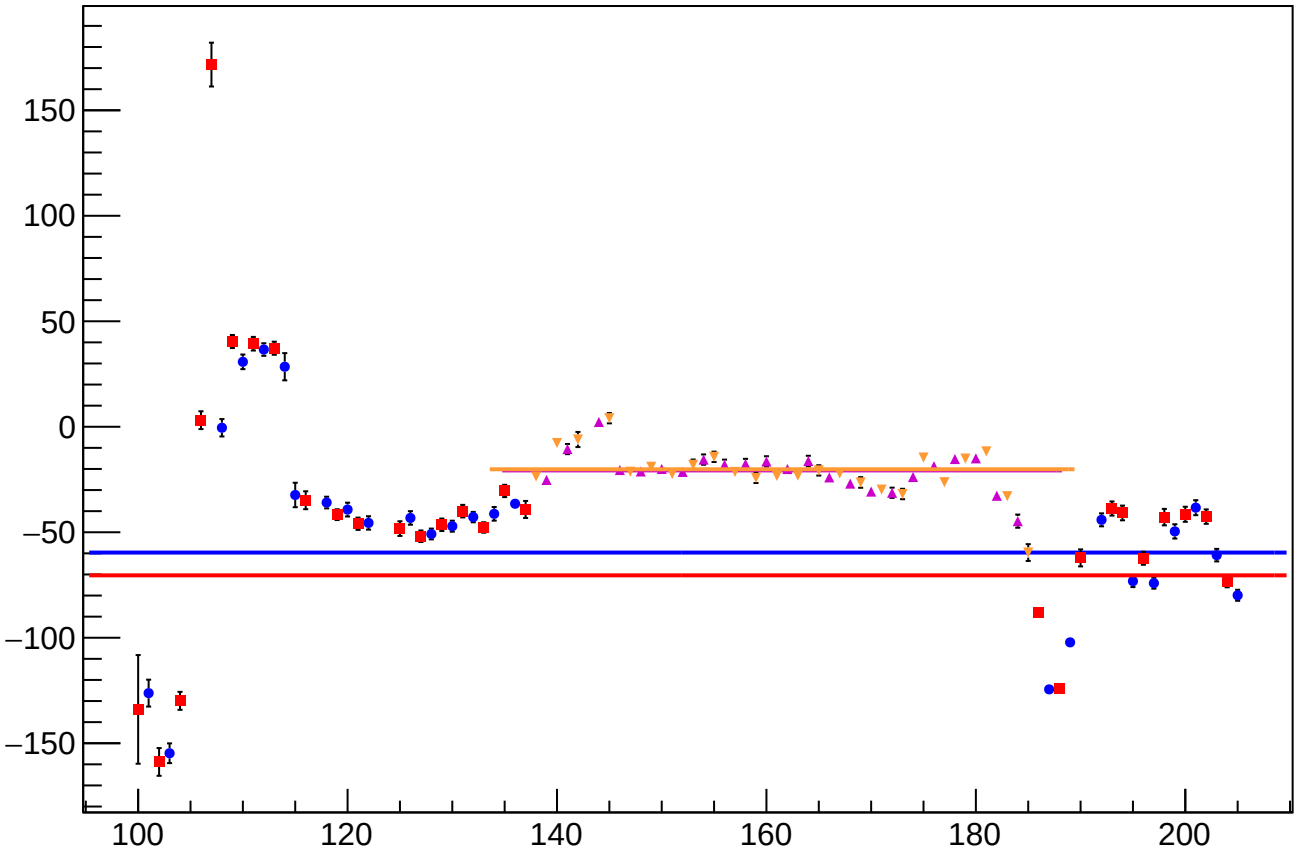
Right Out: -2.939+/-0.560 χ^2/NDF: 127.9/27

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.435+/-0.302 χ^2/NDF: 353.4/48

All: -0.231+/-0.213 χ^2/NDF: 630.6/99

\- sign -0.029+/-0.301 χ^2/NDF: 276.3/50



Right In: -59.628+/-0.567 χ^2/NDF: 5406.8/24

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.425+/-0.482 χ^2/NDF: 9645.2/27

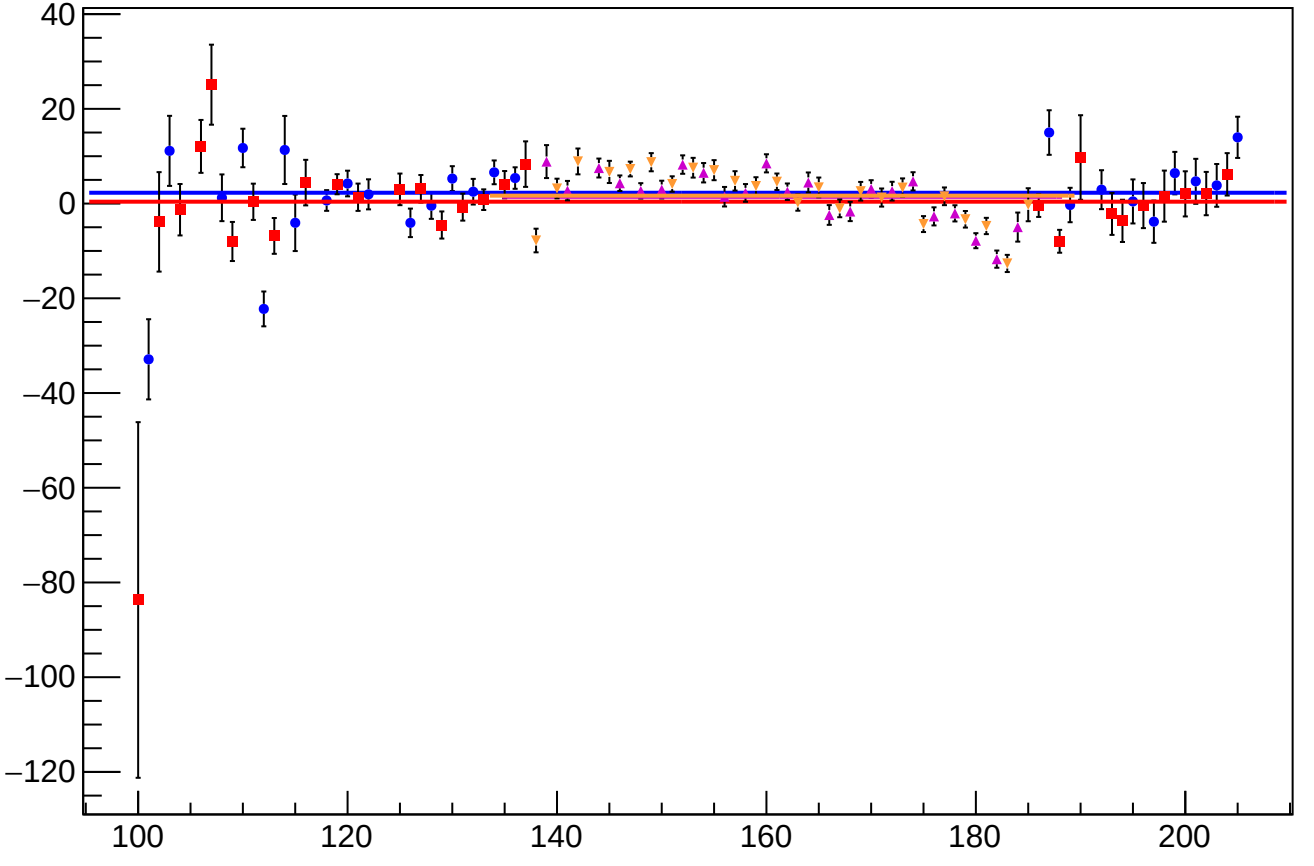
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -35.514+/-0.354 χ^2/NDF: 8789.9/48

All: -40.159+/-0.242 χ^2/NDF: 24668.4/99

\- sign -44.252+/-0.332 χ^2/NDF: 15553.9/50

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.286+/-0.699 χ^2/NDF: 102.3/24

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

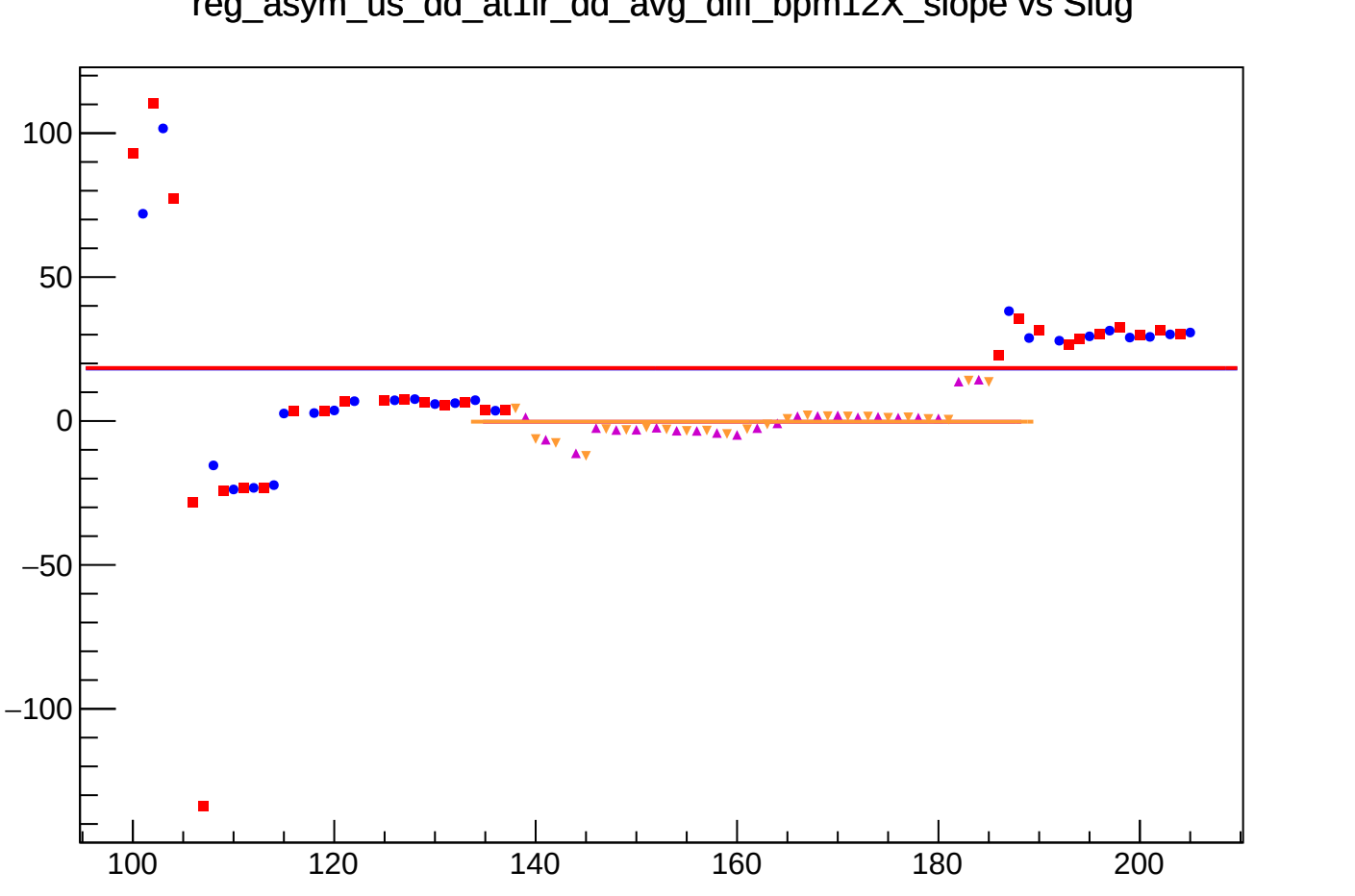
Right Out: 0.397+/-0.677 χ^2/NDF: 55.1/27

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.820+/-0.344 χ^2/NDF: 280.8/48

All: 1.491+/-0.244 χ^2/NDF: 502.3/99

\- sign 1.159+/-0.346 χ^2/NDF: 219.6/50



Right In: 18.228+/-0.035 χ^2/NDF: 407861.0/24

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

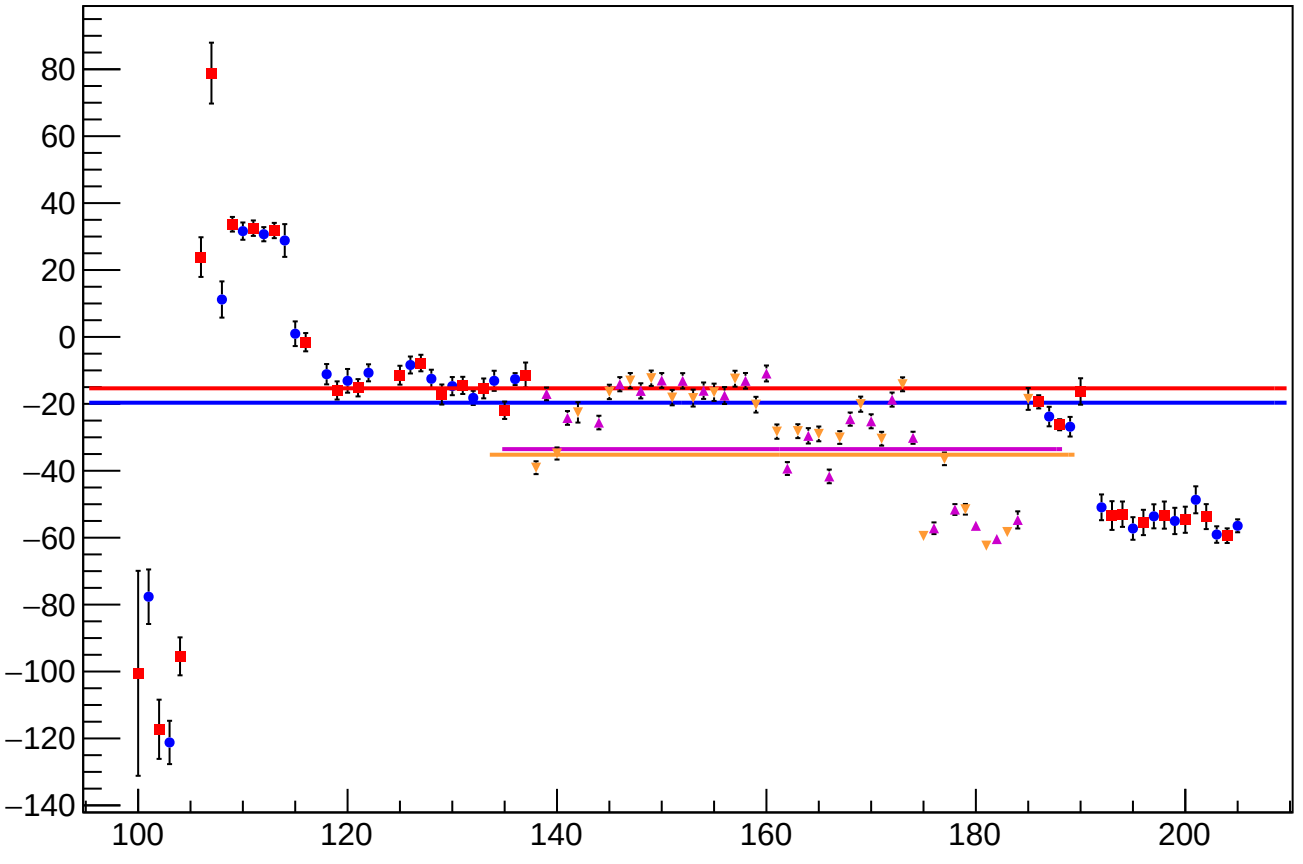
Right Out: 18.413+/-0.035 χ^2/NDF: 582771.2/27

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 3.456+/-0.016 χ^2/NDF: 707470.9/48

All: 3.503+/-0.011 χ^2/NDF: 1589902.8/99

- sign 3.551+/-0.016 χ^2/NDF: 882413.8/50



Right In: -19.659+/-0.578 χ^2/NDF: 2525.8/24

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

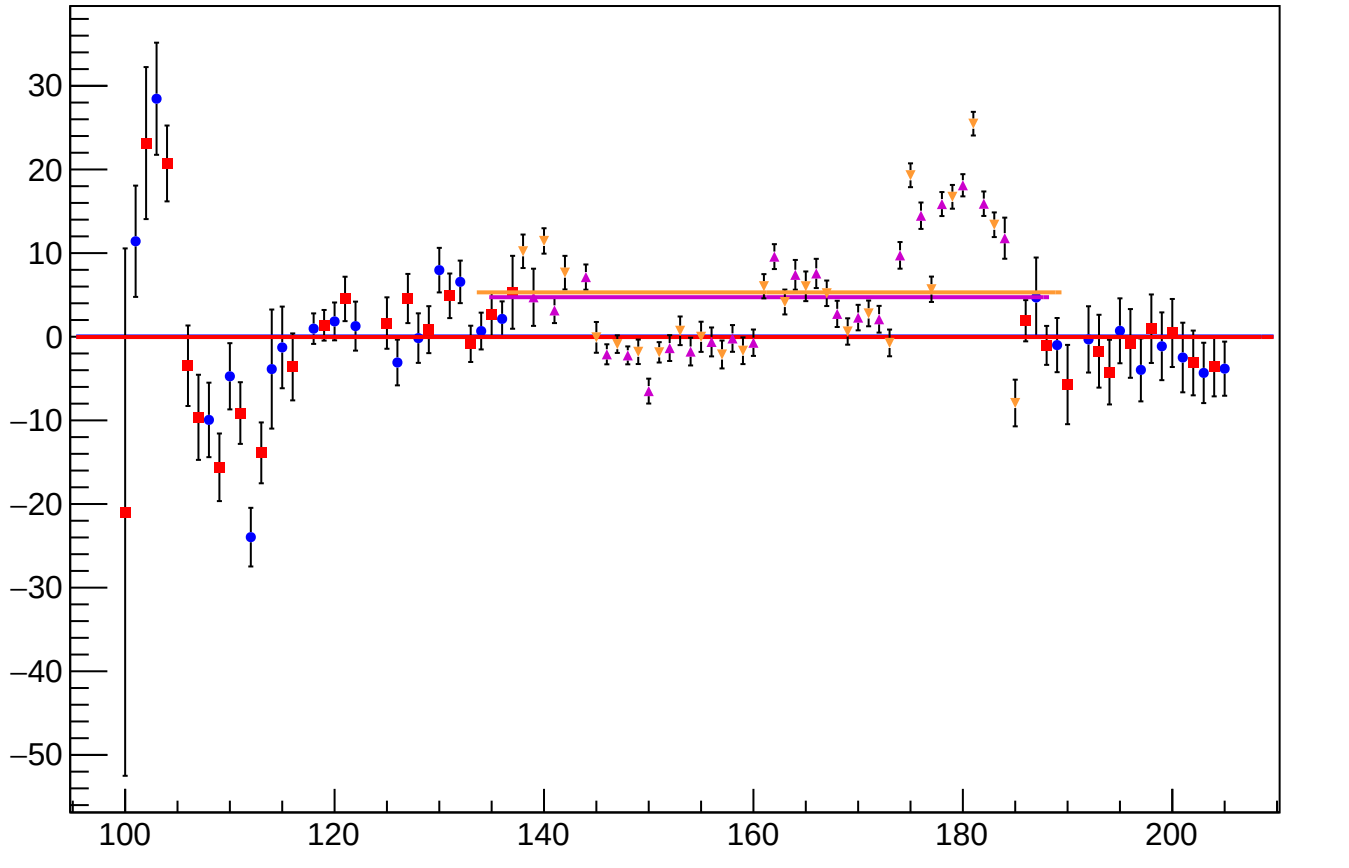
Right Out: -15.357+/-0.553 χ^2/NDF: 2930.2/27

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -30.025+/-0.333 χ^2/NDF: 4859.4/48

All: -28.510+/-0.235 χ^2/NDF: 10328.6/99

- sign -27.013+/-0.331 χ^2/NDF: 5428.1/50



Right In: 0.035+/-0.630 χ^2/NDF: 99.0/24

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

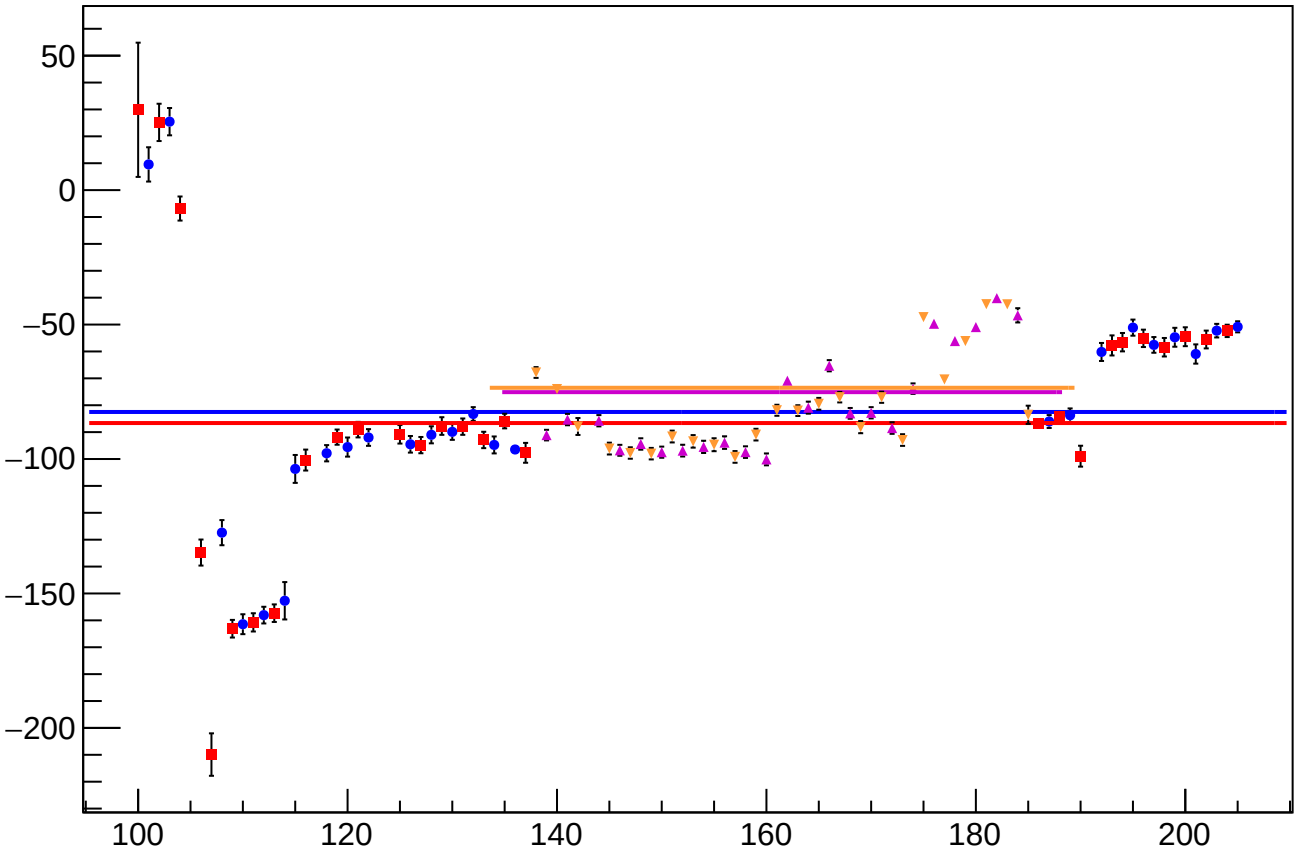
Right Out: -0.037+/-0.621 χ^2/NDF: 86.0/27

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.252+/-0.282 χ^2/NDF: 779.5/48

All: 3.990+/-0.200 χ^2/NDF: 1409.7/99

- sign 3.721+/-0.285 χ^2/NDF: 628.4/50



Right In: -82.505+/-0.607 χ^2/NDF: 2778.6/24

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

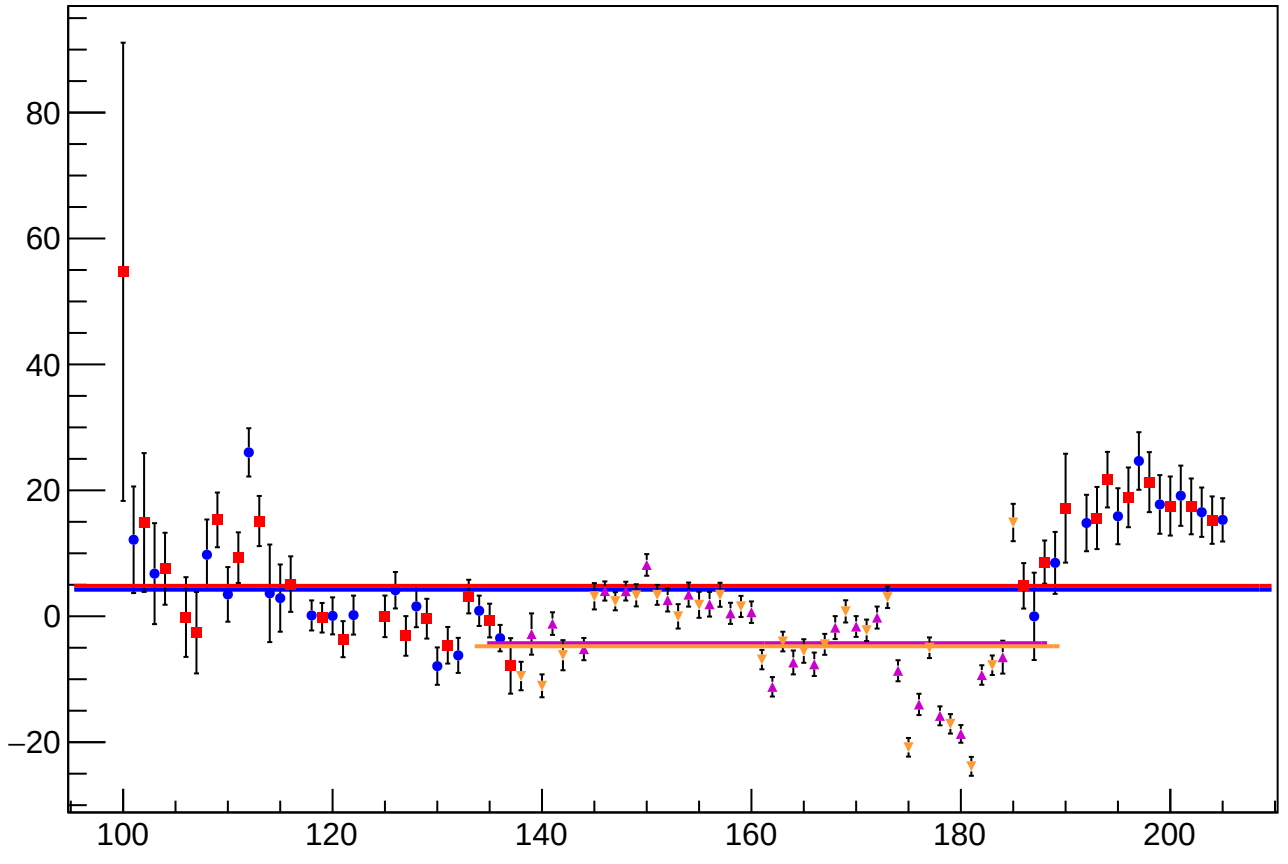
Right Out: -86.622+/-0.563 χ^2/NDF: 3177.4/27

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -76.280+/-0.337 χ^2/NDF: 5322.5/48

All: -77.720+/-0.236 χ^2/NDF: 11169.8/99

\- sign -79.113+/-0.331 χ^2/NDF: 5811.4/50



Right In: 4.219+/-0.719 χ^2/NDF: 159.9/24

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

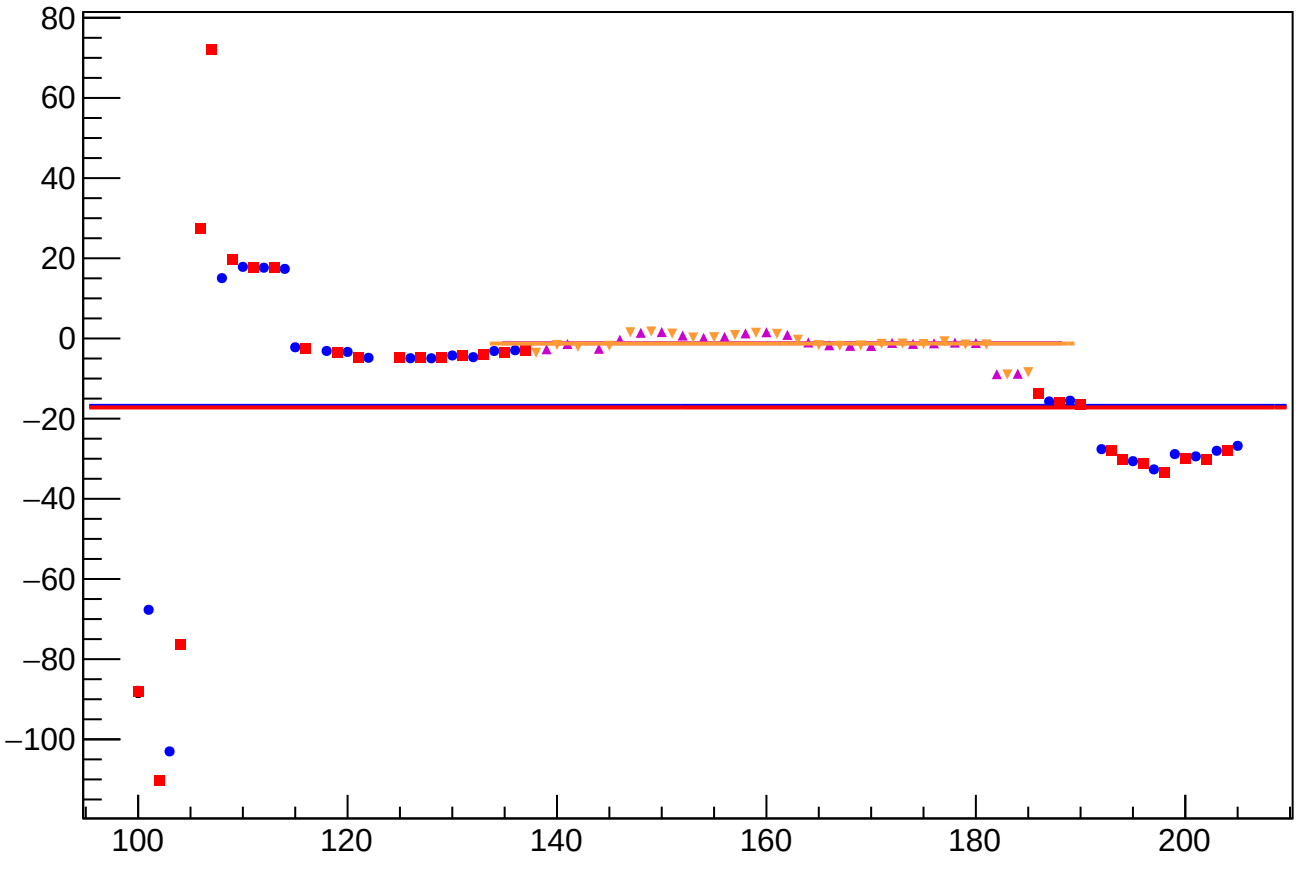
Right Out: 4.829+/-0.728 χ^2/NDF: 133.2/27

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.005+/-0.318 χ^2/NDF: 862.2/48

All: -2.748+/-0.227 χ^2/NDF: 1546.4/99

- sign -2.482+/-0.323 χ^2/NDF: 682.9/50



Right In: -16.813+/-0.035 χ^2/NDF: 360414.3/24

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -17.212+/-0.036 χ^2/NDF: 454756.4/27

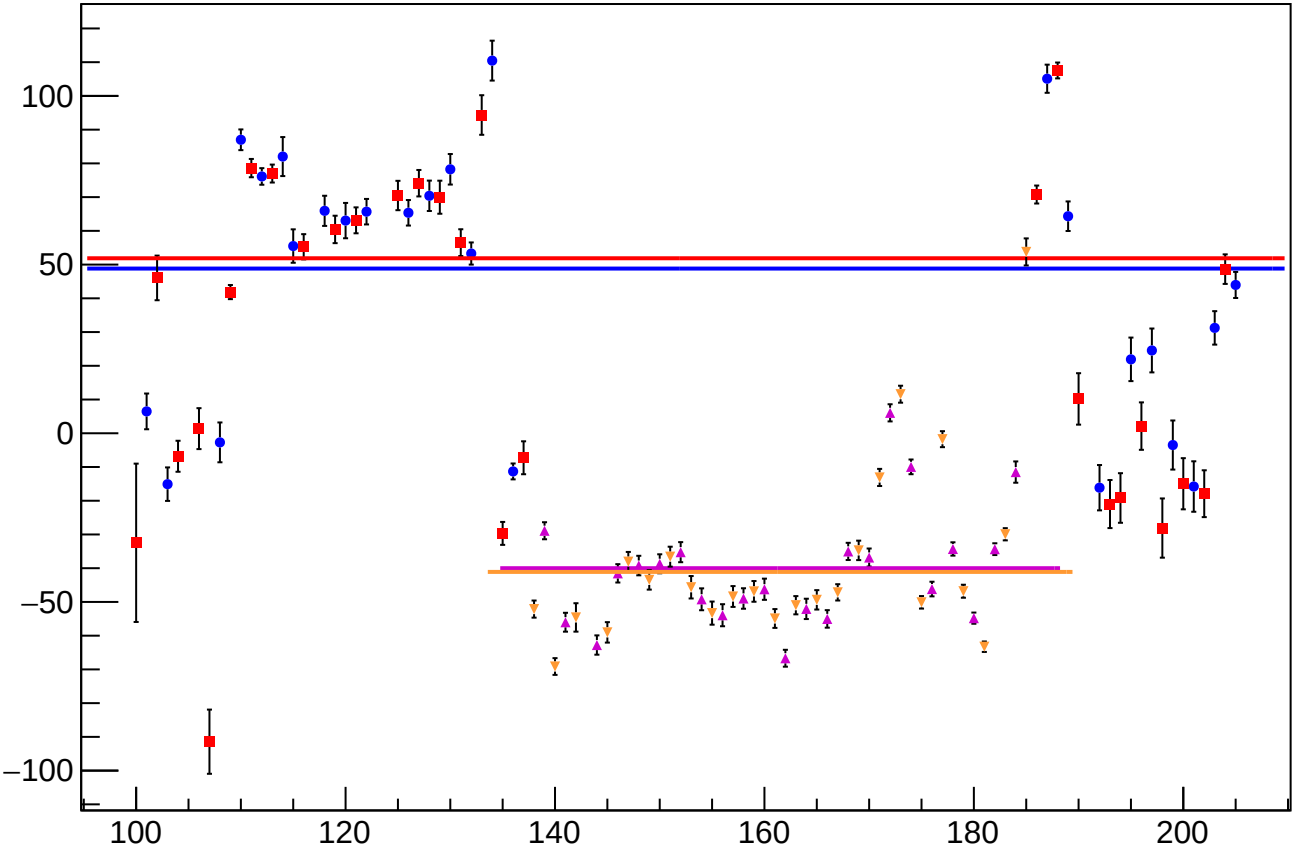
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -3.865+/-0.014 χ^2/NDF: 545965.3/48

All: -3.839+/-0.010 χ^2/NDF: 1191367.1/99

\- sign -3.814+/-0.015 χ^2/NDF: 645395.7/50

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 48.824+/-0.846 χ^2/NDF: 1966.4/24

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

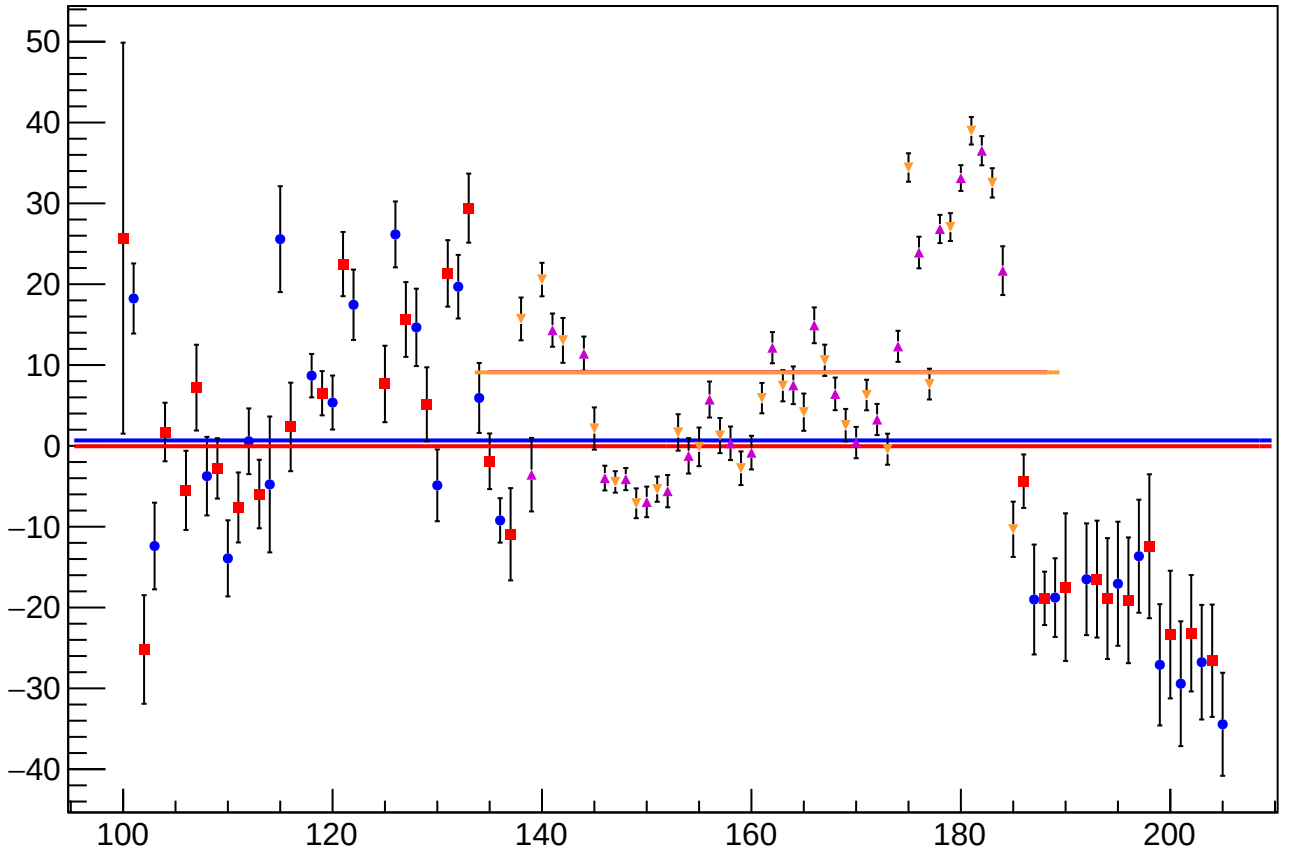
Right Out: 51.875+/-0.768 χ^2/NDF: 2686.3/27

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -16.626+/-0.441 χ^2/NDF: 12135.7/48

All: -13.646+/-0.309 χ^2/NDF: 25710.2/99

- sign -10.779+/-0.433 χ^2/NDF: 13485.1/50



Right In: 0.673+/-0.928 χ^2/NDF: 274.6/24

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

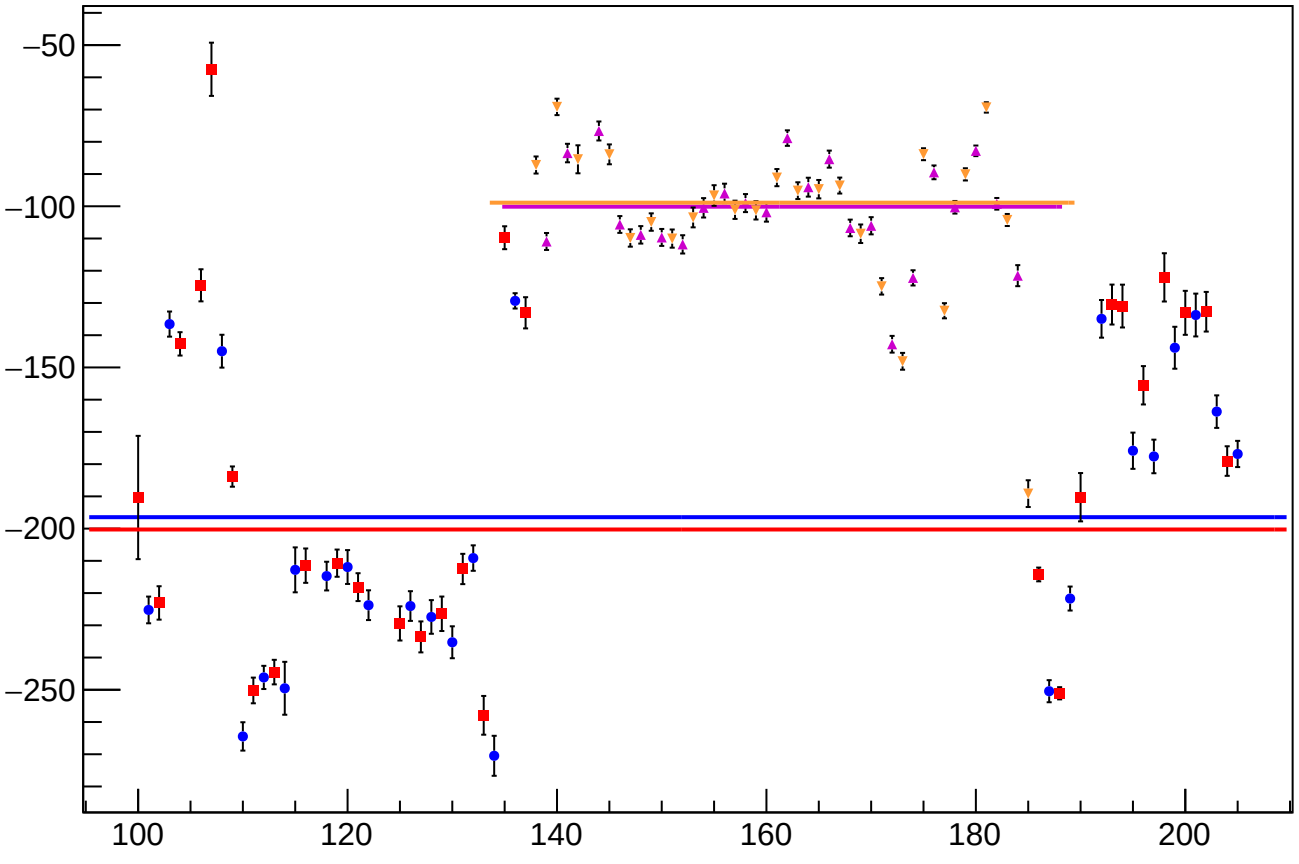
Right Out: -0.046+/-0.886 χ^2/NDF: 246.9/27

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 7.769+/-0.368 χ^2/NDF: 1597.6/48

All: 7.641+/-0.262 χ^2/NDF: 2984.8/99

- sign 7.511+/-0.371 χ^2/NDF: 1387.0/50



Right In: -196.453+/-0.893 χ^2/NDF: 2657.7/24

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

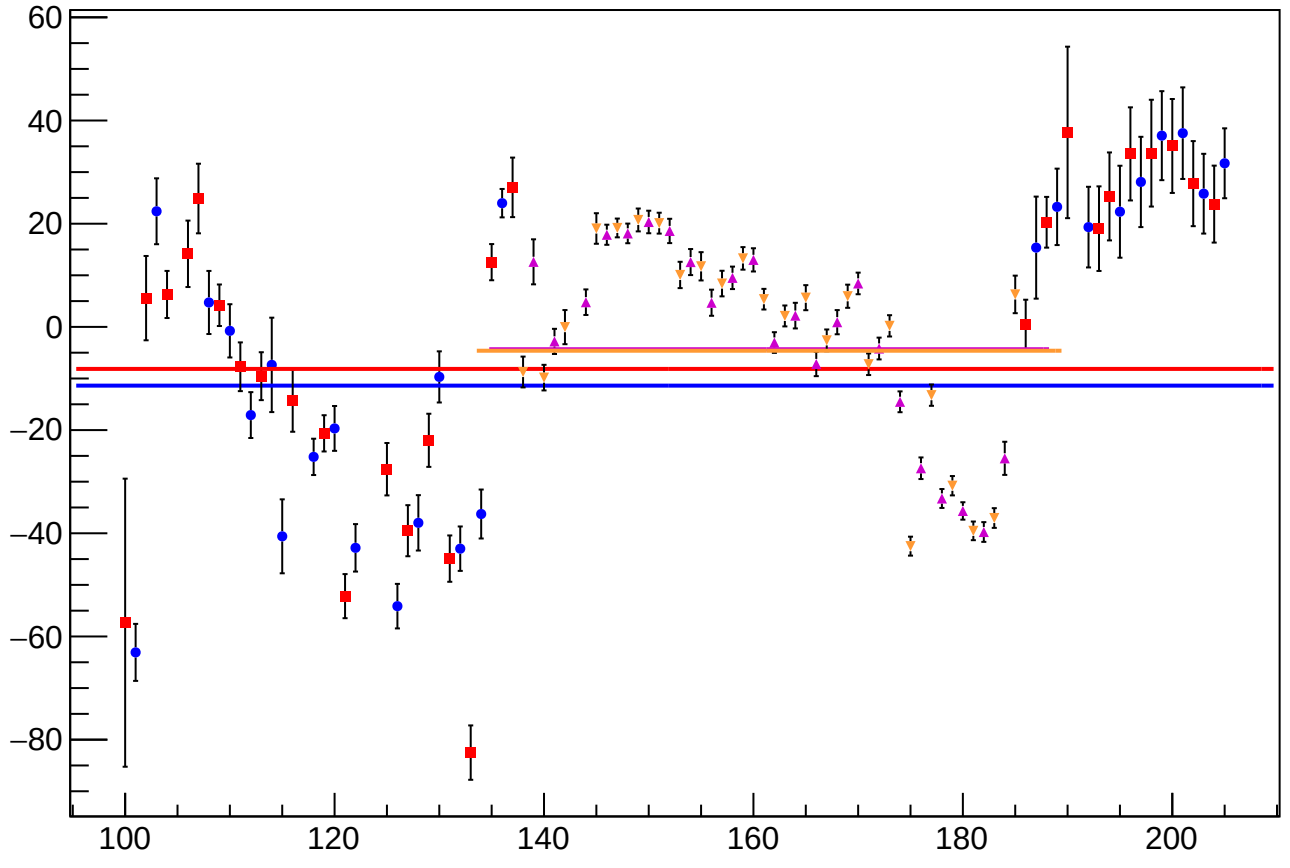
Right Out: -200.275+/-0.800 χ^2/NDF: 3595.2/27

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -123.162+/-0.446 χ^2/NDF: 13443.7/48

All: -126.599+/-0.312 χ^2/NDF: 28998.7/99

- sign -129.890+/-0.436 χ^2/NDF: 15438.5/50



Right In: -11.383+/-1.067 χ^2/NDF: 784.9/24

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

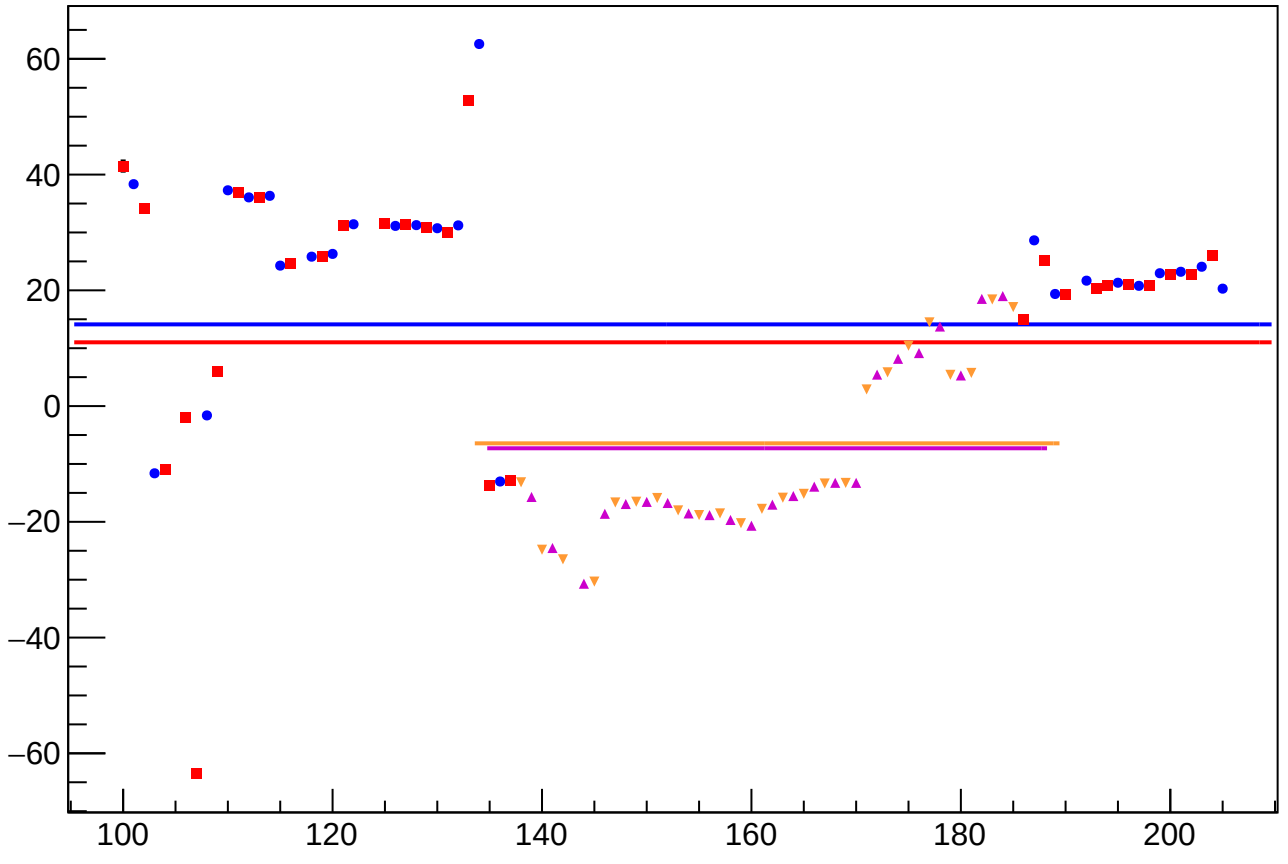
Right Out: -8.143+/-1.041 χ^2/NDF: 749.5/27

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -5.645+/-0.416 χ^2/NDF: 2897.3/48

All: -5.301+/-0.295 χ^2/NDF: 5513.6/99

- sign -4.949+/-0.420 χ^2/NDF: 2614.9/50



Right In: 14.118+/-0.053 χ^2/NDF: 175049.7/24

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.019+/-0.052 χ^2/NDF: 177509.2/27

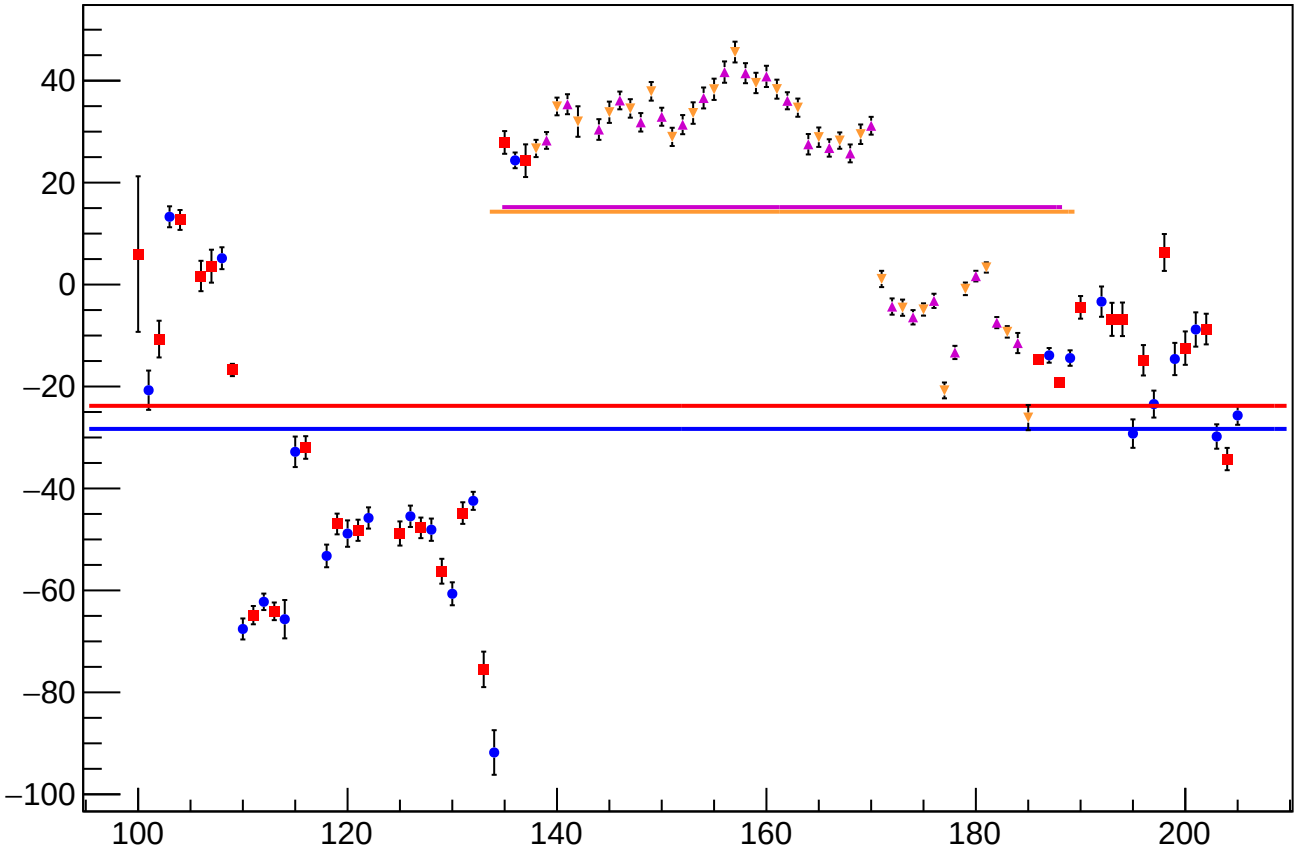
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.800+/-0.019 χ^2/NDF: 804682.0/48

All: -4.329+/-0.013 χ^2/NDF: 1580086.7/99

- sign -4.860+/-0.019 χ^2/NDF: 773830.1/50

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -28.316+/-0.435 χ^2/NDF: 3933.1/24

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

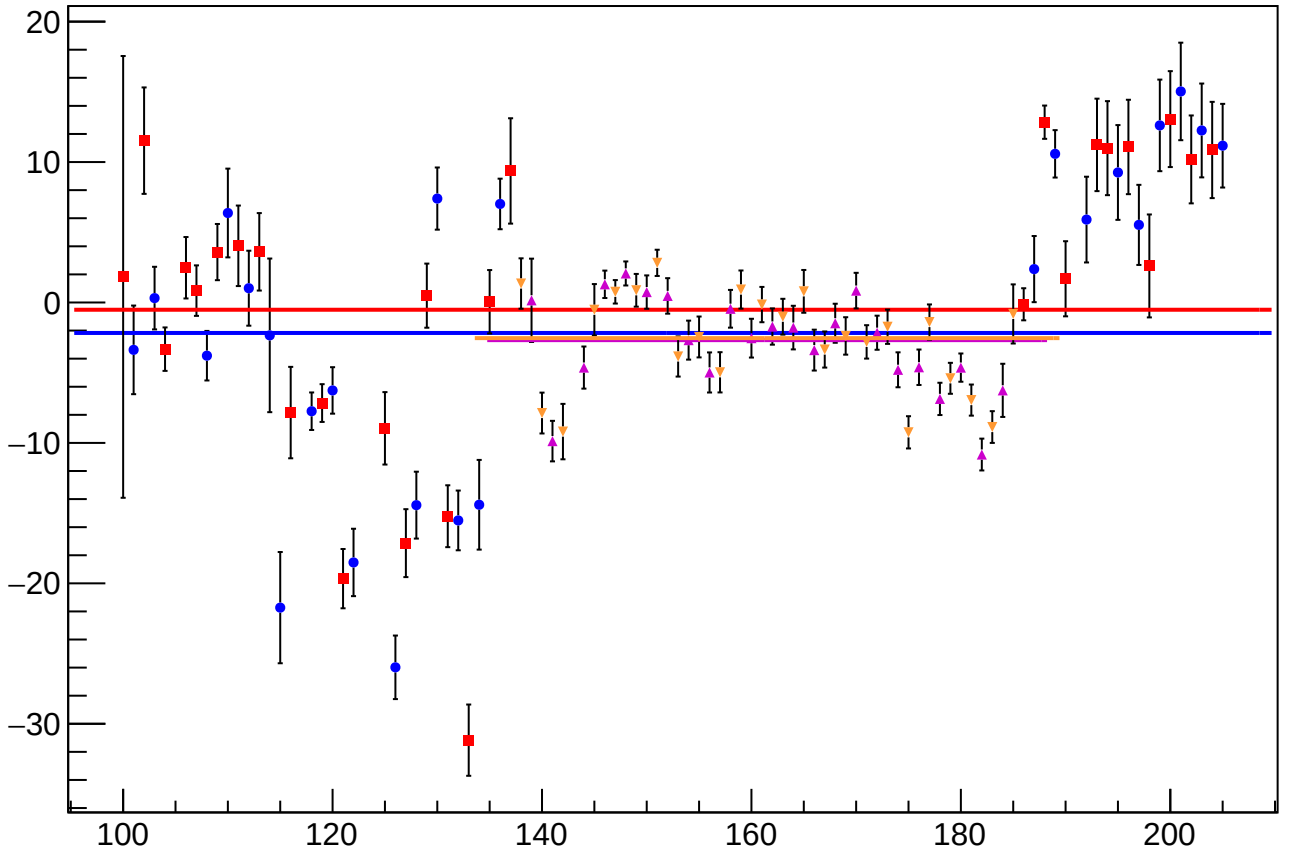
Right Out: -23.791+/-0.370 χ^2/NDF: 3796.7/27

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -1.594+/-0.265 χ^2/NDF: 13685.0/48

All: -2.128+/-0.182 χ^2/NDF: 26918.0/99

- sign -2.602+/-0.250 χ^2/NDF: 13225.4/50



Right In: -2.170+/-0.472 χ^2/NDF: 511.6/24

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.517+/-0.417 χ^2/NDF: 595.7/27

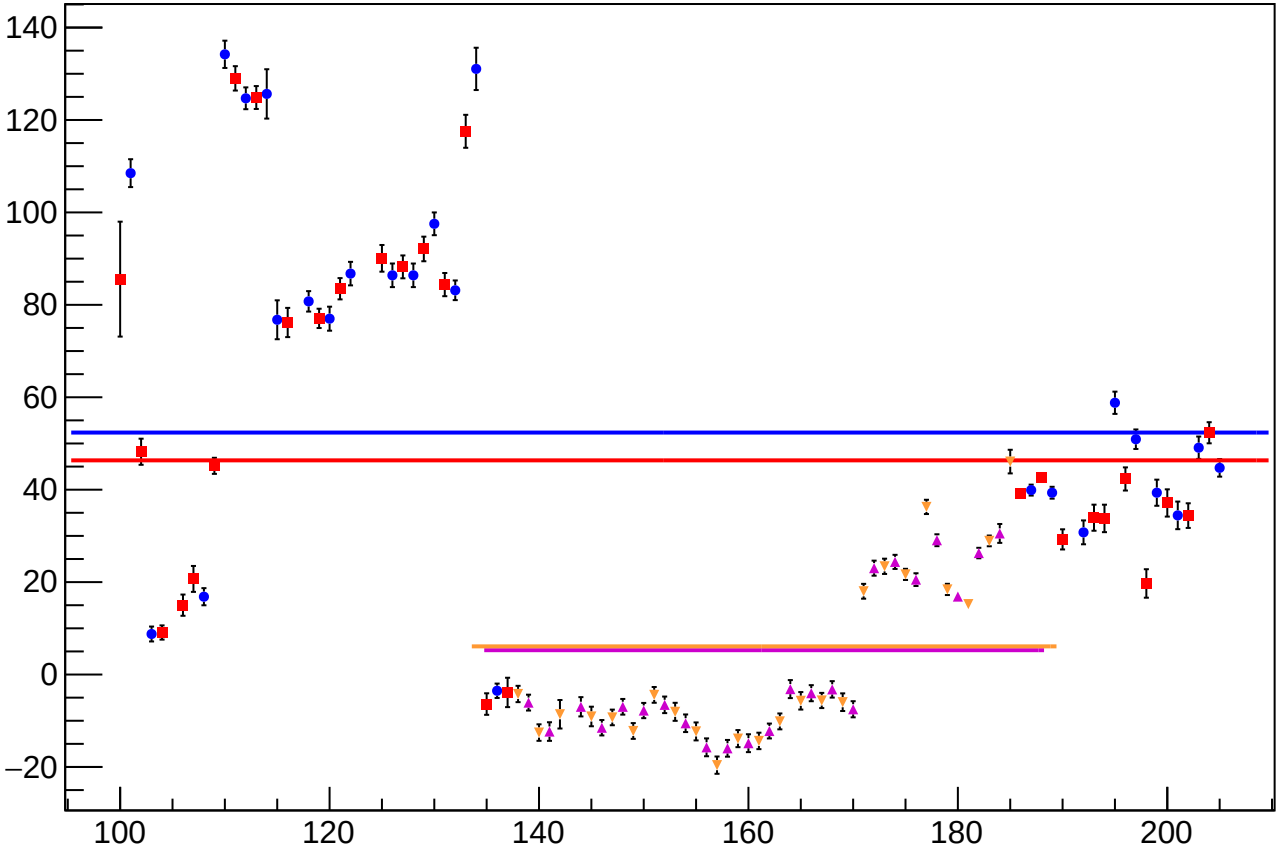
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.453+/-0.227 χ^2/NDF: 710.5/48

All: -2.252+/-0.159 χ^2/NDF: 1508.9/99

- sign -2.058+/-0.223 χ^2/NDF: 796.9/50

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 52.362+/-0.431 χ^2/NDF: 6662.8/24

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

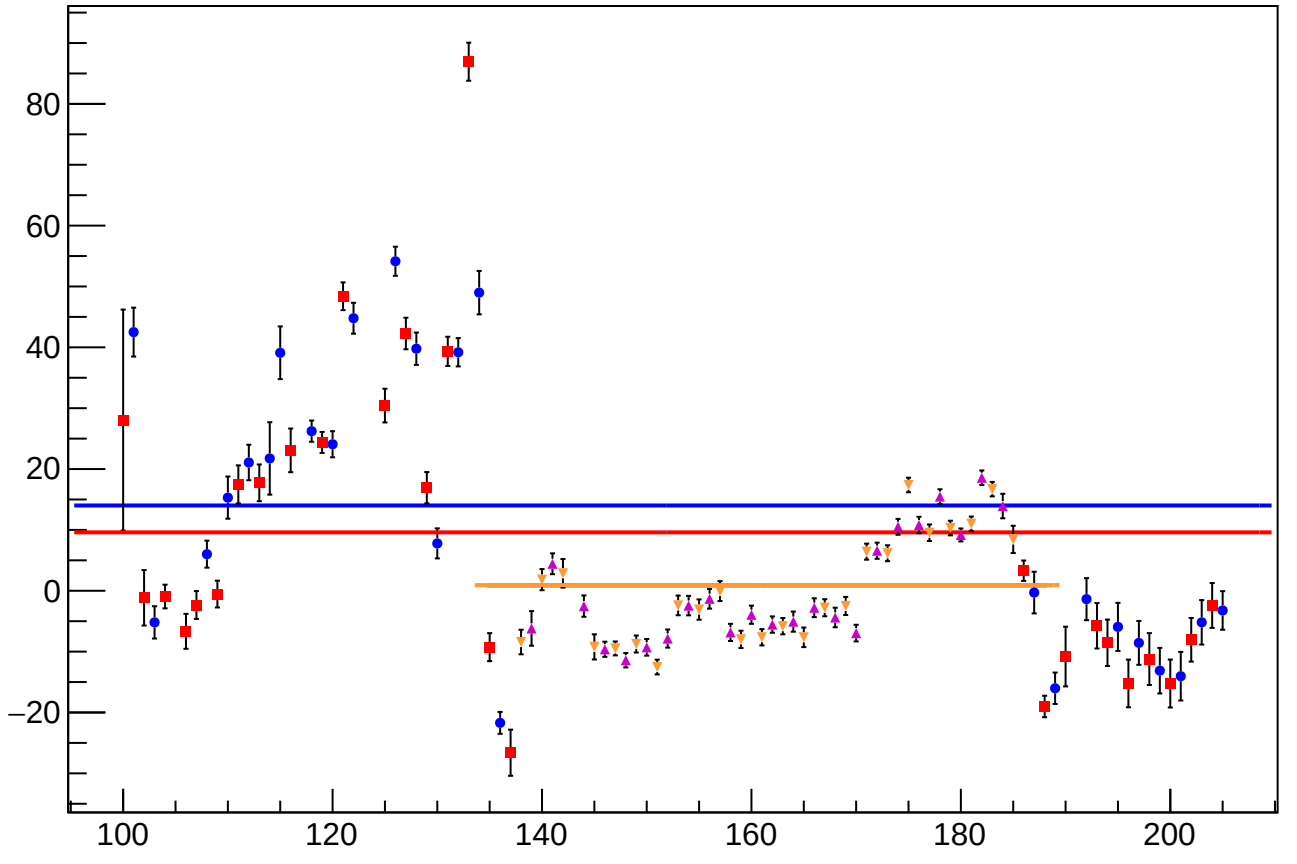
Right Out: 46.347+/-0.352 χ^2/NDF: 5953.2/27

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 23.377+/-0.263 χ^2/NDF: 16653.2/48

All: 24.195+/-0.179 χ^2/NDF: 32192.9/99

- sign 24.892+/-0.243 χ^2/NDF: 15521.9/50



Right In: 14.013+/-0.558 χ^2/NDF: 1758.8/24

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

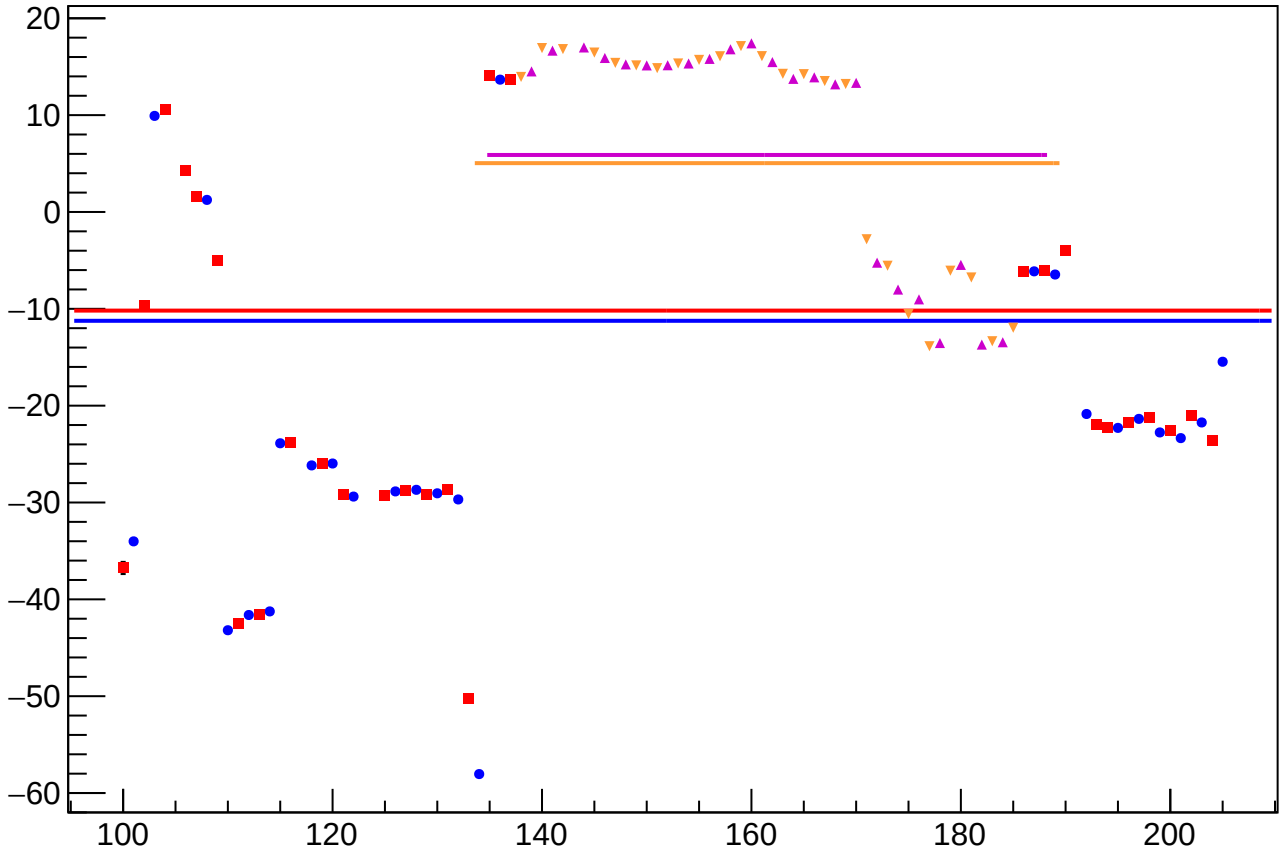
Right Out: 9.597+/-0.512 χ^2/NDF: 2126.3/27

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

\+ sign 3.737+/-0.259 χ^2/NDF: 3231.8/48

All: 3.404+/-0.182 χ^2/NDF: 6584.3/99

\- sign 3.075+/-0.257 χ^2/NDF: 3349.1/50



Right In: -11.238+/-0.026 χ^2/NDF: 487832.4/24

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

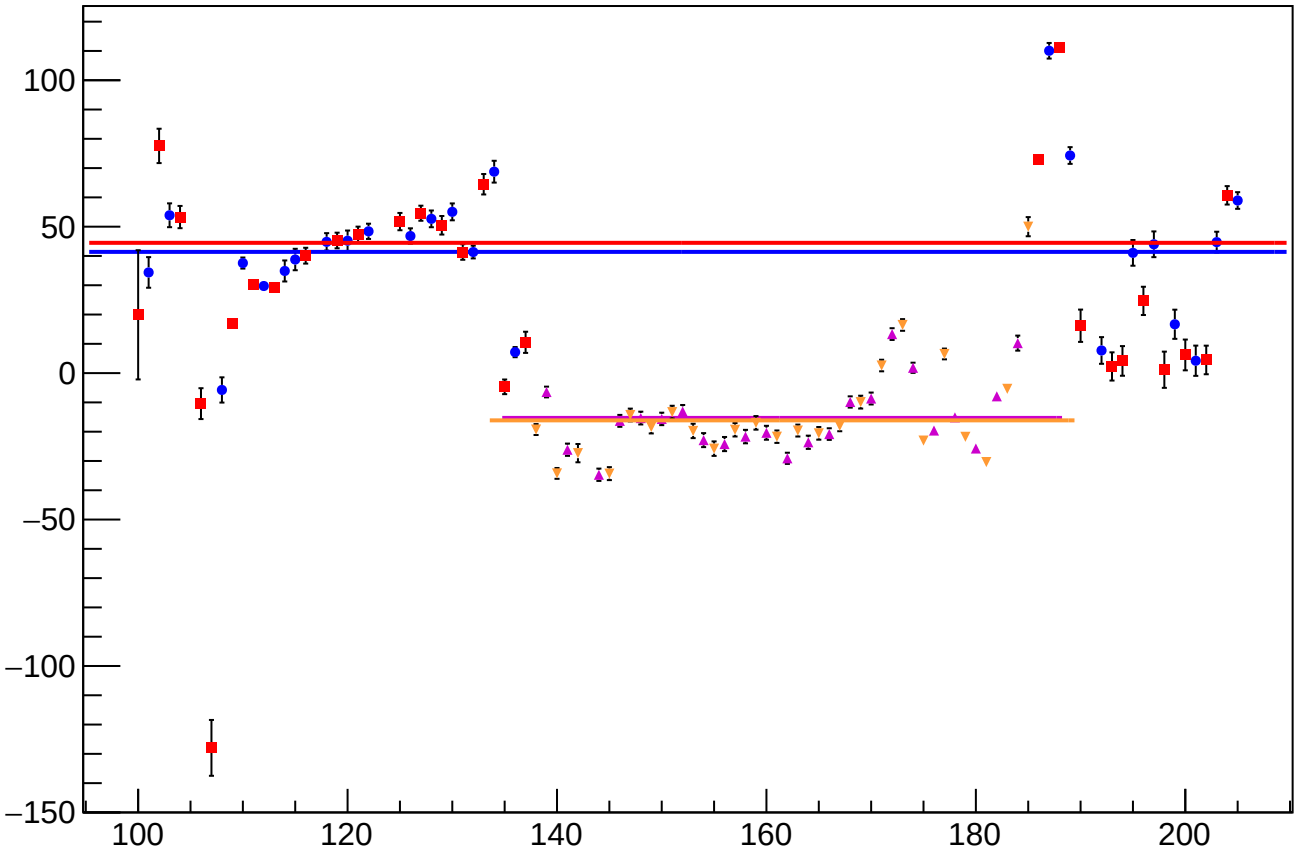
Right Out: -10.184+/-0.025 χ^2/NDF: 406659.0/27

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.750+/-0.012 χ^2/NDF: 1657495.6/48

All: 2.070+/-0.008 χ^2/NDF: 3237220.7/99

- sign 2.388+/-0.012 χ^2/NDF: 1578225.2/50



Right In: 41.393+/-0.576 χ^2/NDF: 1654.3/24

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

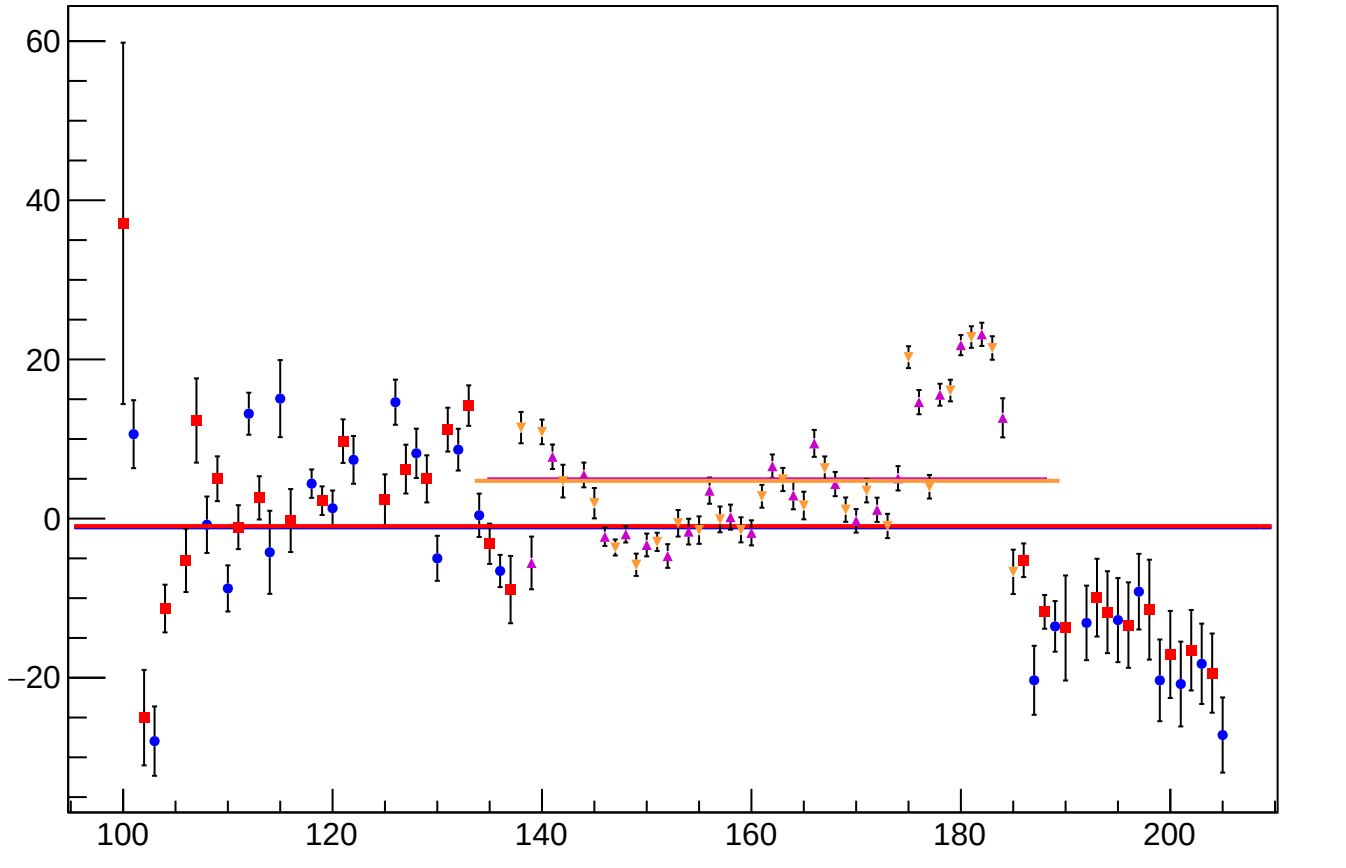
Right Out: 44.485+/-0.523 χ^2/NDF: 4090.8/27

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 2.463+/-0.327 χ^2/NDF: 9775.5/48

All: 4.781+/-0.229 χ^2/NDF: 22918.1/99

- sign 6.987+/-0.319 χ^2/NDF: 13044.7/50



Right In: -1.101+/-0.637 χ^2/NDF: 294.1/24

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.943+/-0.611 χ^2/NDF: 214.1/27

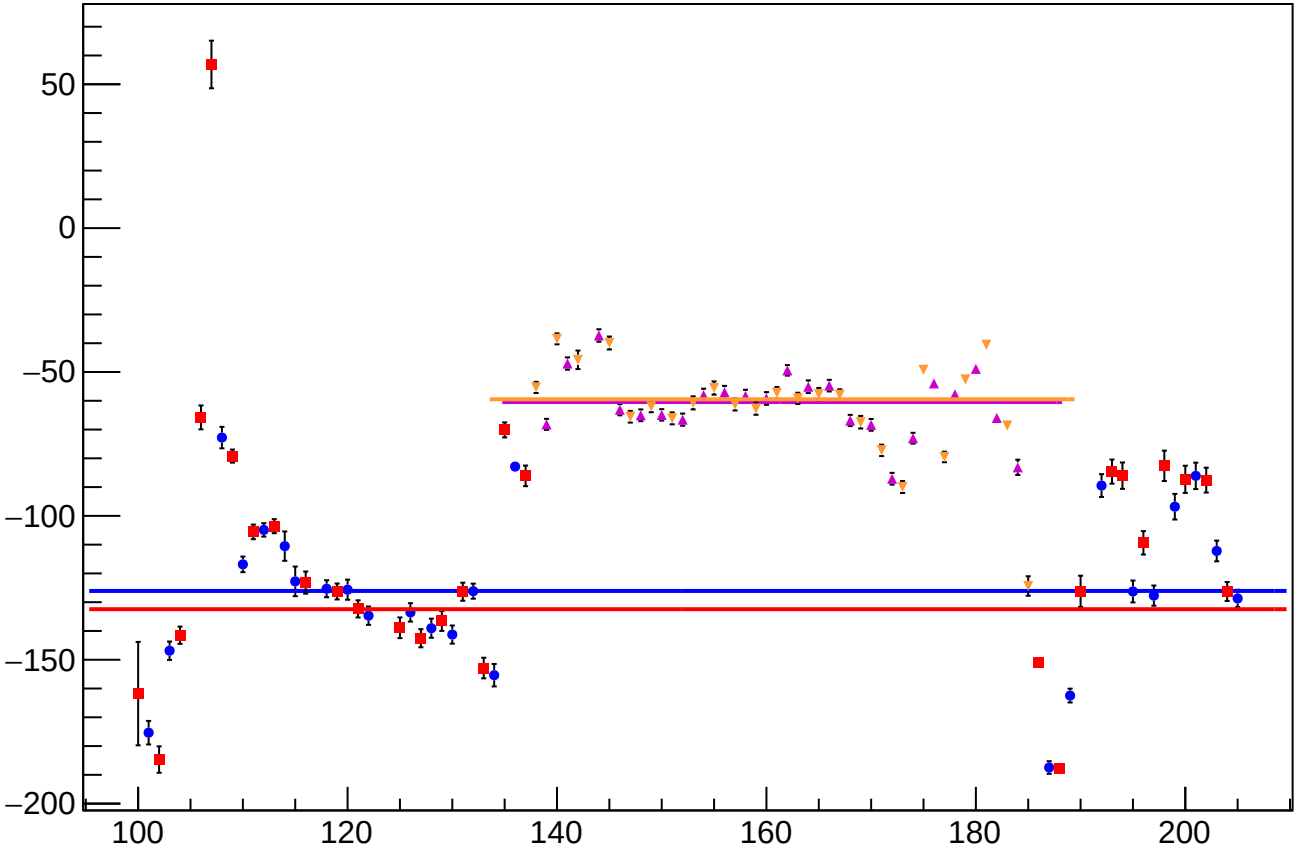
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.645+/-0.276 χ^2/NDF: 1156.3/48

All: 3.679+/-0.196 χ^2/NDF: 2132.0/99

- sign 3.714+/-0.279 χ^2/NDF: 975.7/50

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -126.089+/-0.617 χ^2/NDF: 2448.5/24

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

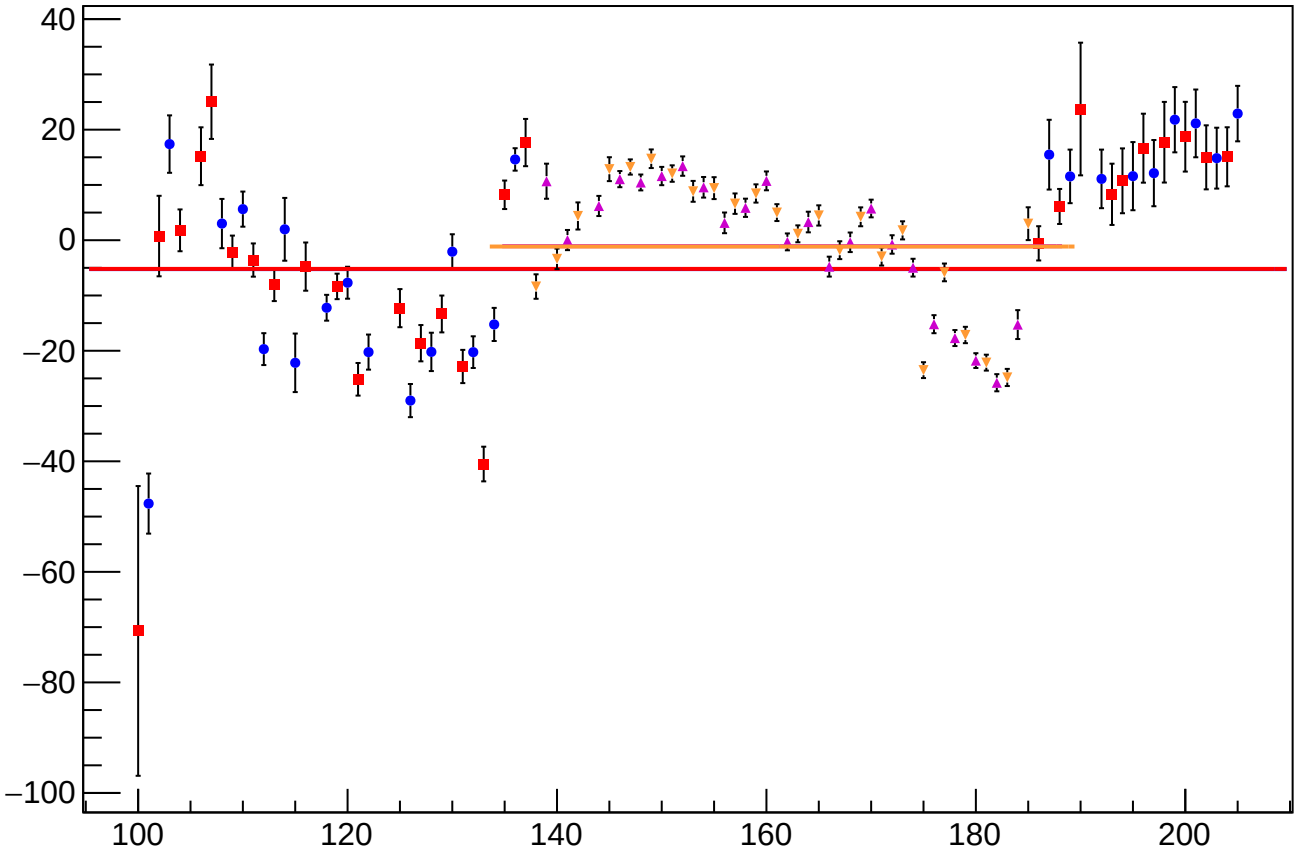
Right Out: -132.433+/-0.546 χ^2/NDF: 5319.4/27

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -78.841+/-0.333 χ^2/NDF: 12089.4/48

All: -82.303+/-0.231 χ^2/NDF: 29618.1/99

\- sign -85.554+/-0.322 χ^2/NDF: 17318.6/50



Right In: -5.225+/-0.732 χ^2/NDF: 513.0/24

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

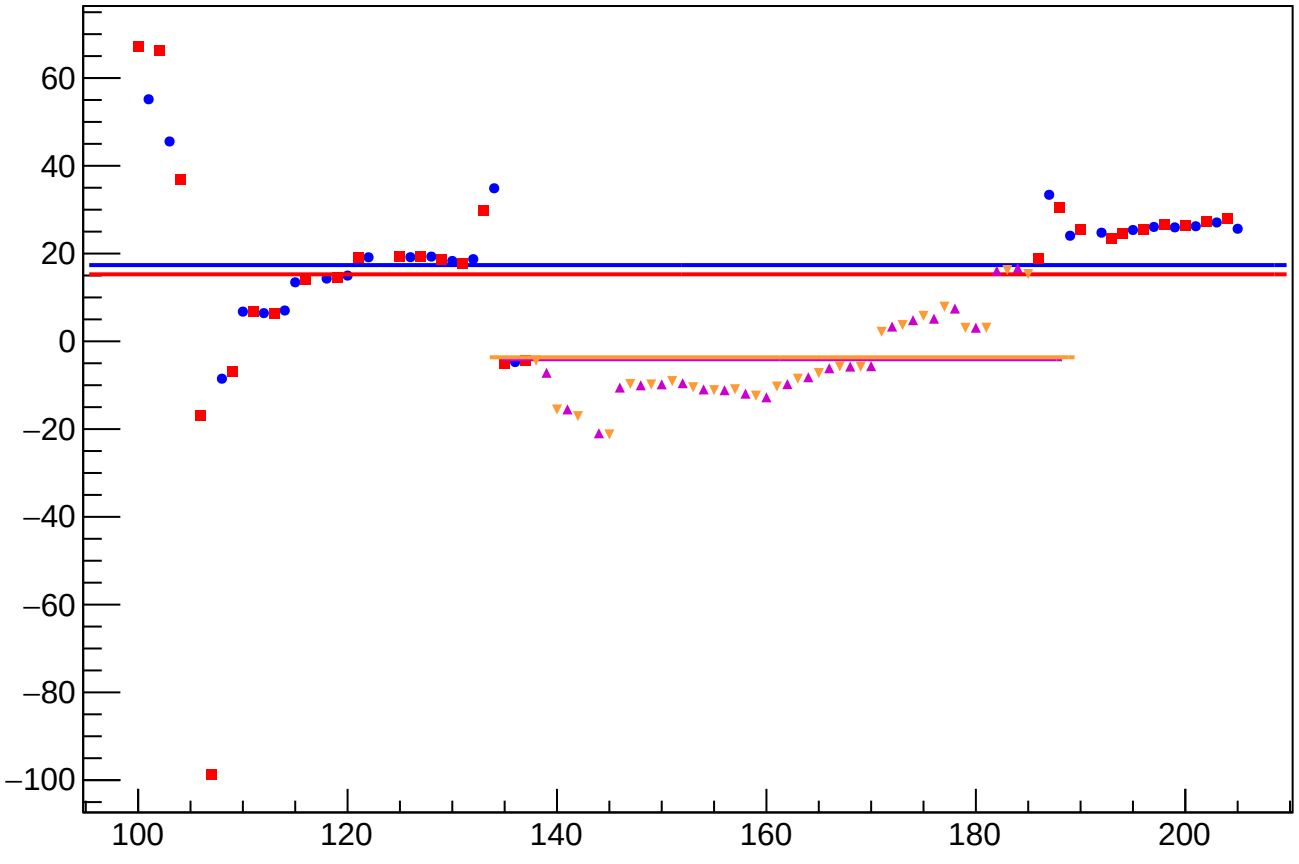
Right Out: -5.191+/-0.720 χ^2/NDF: 436.5/27

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.888+/-0.313 χ^2/NDF: 1841.4/48

All: -1.881+/-0.222 χ^2/NDF: 3461.6/99

- sign -1.874+/-0.316 χ^2/NDF: 1620.2/50



Right In: 17.372+/-0.037 χ^2/NDF: 208507.5/24

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.267+/-0.038 χ^2/NDF: 341087.4/27

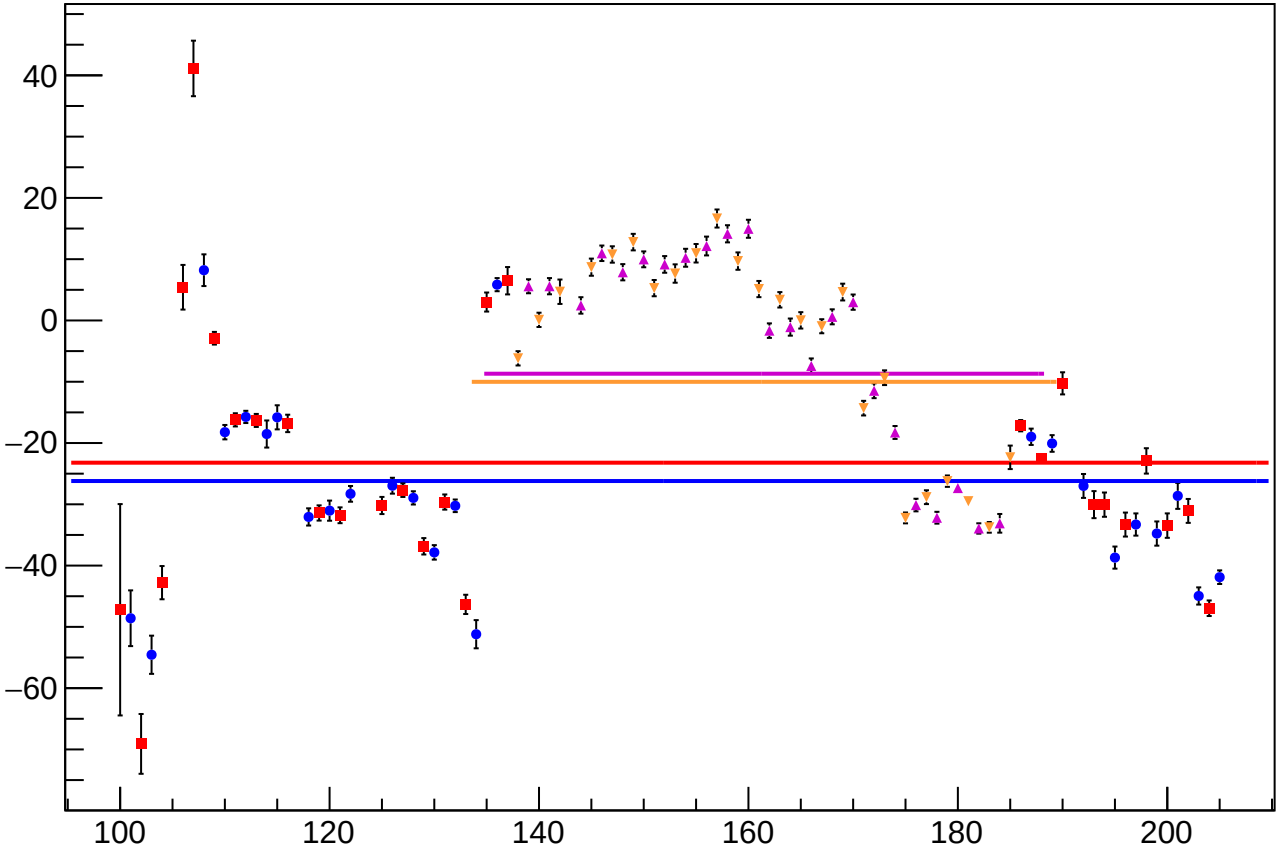
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.582+/-0.014 χ^2/NDF: 823435.0/48

All: -0.920+/-0.010 χ^2/NDF: 1726063.9/99

- sign -1.261+/-0.014 χ^2/NDF: 901502.9/50

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -26.201+/-0.290 χ^2/NDF: 2148.6/24

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

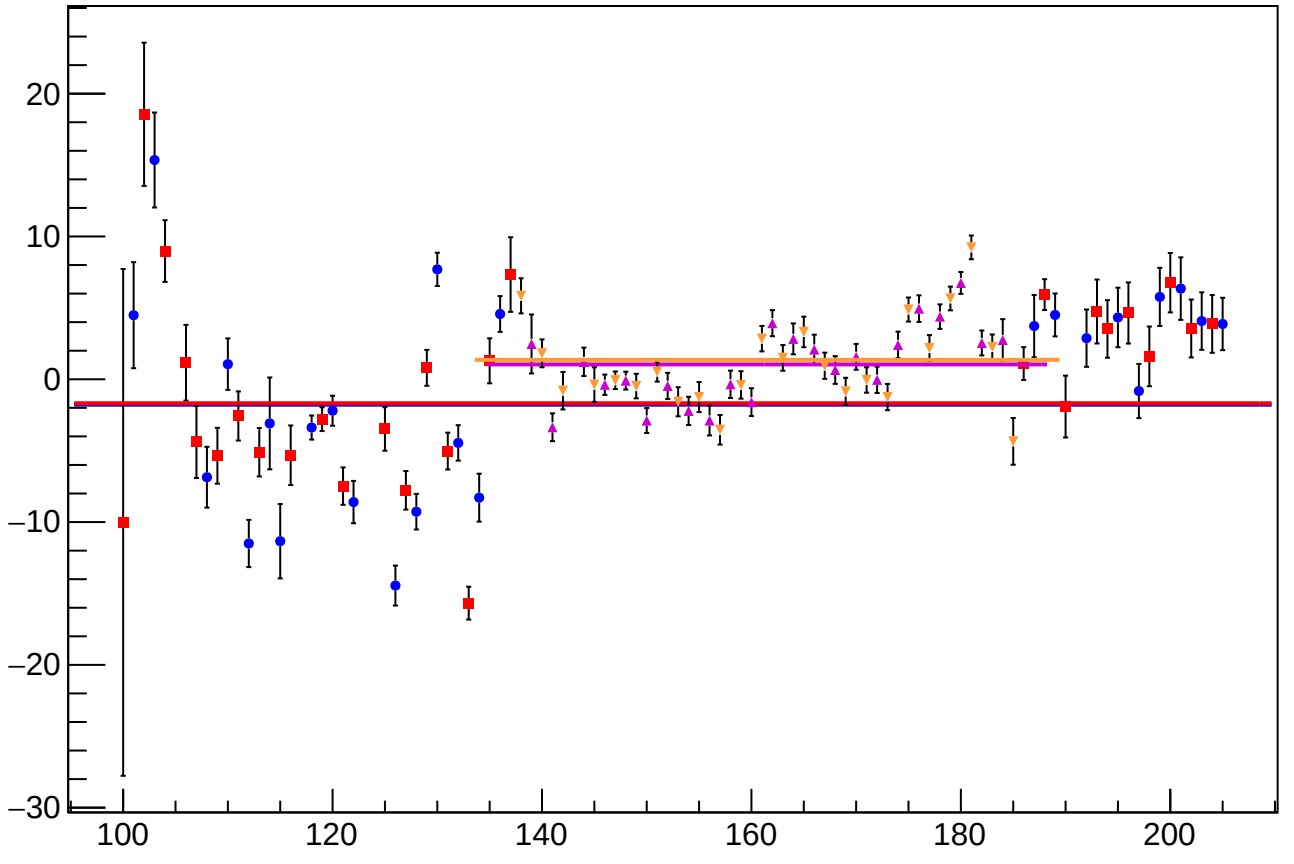
Right Out: -23.209+/-0.272 χ^2/NDF: 2369.7/27

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -16.743+/-0.187 χ^2/NDF: 8951.2/48

All: -15.996+/-0.131 χ^2/NDF: 17933.7/99

- sign -15.279+/-0.183 χ^2/NDF: 8951.2/50



Right In: -1.778+/-0.316 χ^2/NDF: 424.0/24

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

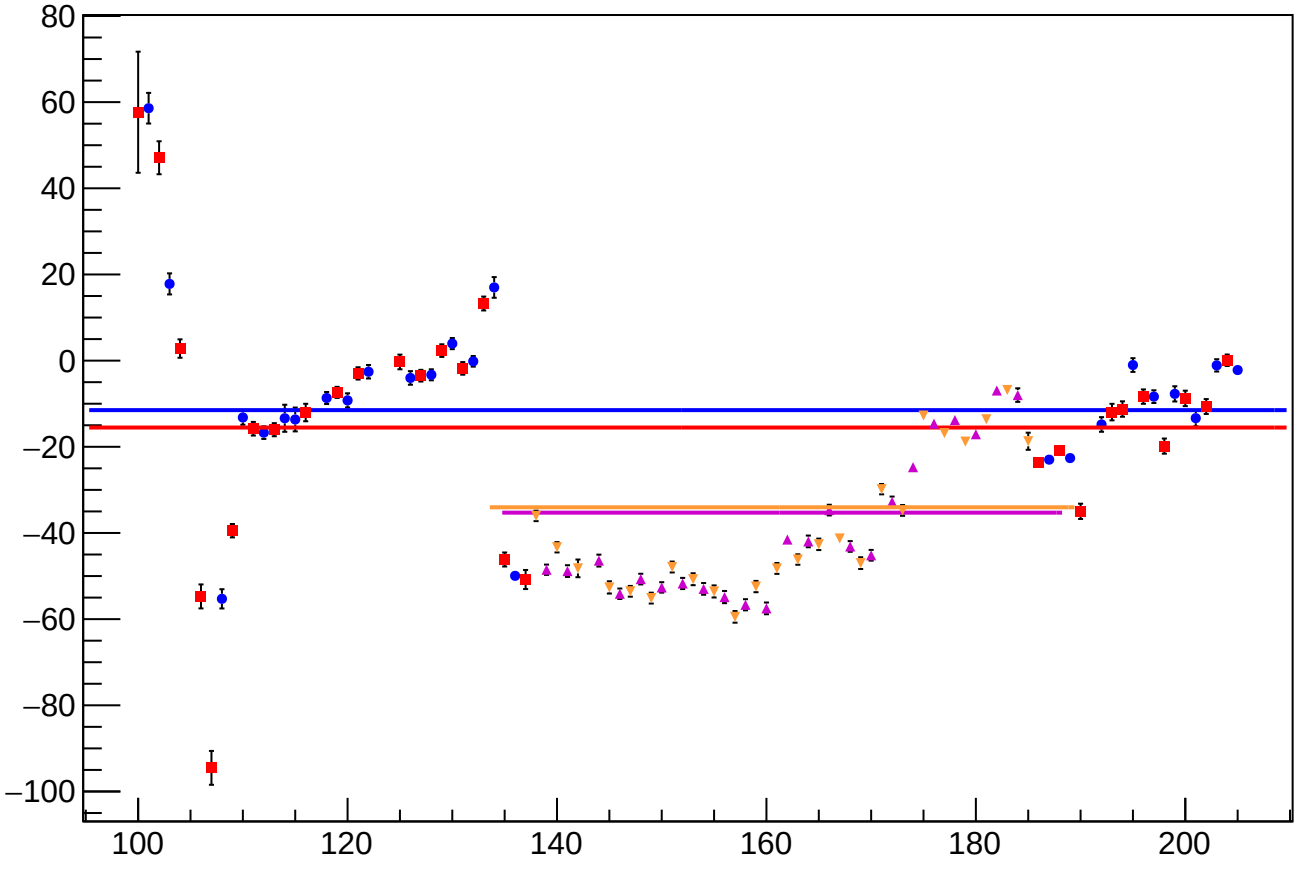
Right Out: -1.680+/-0.305 χ^2/NDF: 383.4/27

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.539+/-0.162 χ^2/NDF: 737.1/48

All: 0.404+/-0.115 χ^2/NDF: 1374.7/99

- sign 0.268+/-0.163 χ^2/NDF: 636.3/50



Right In: -11.488+/-0.306 χ^2/NDF: 3035.7/24

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

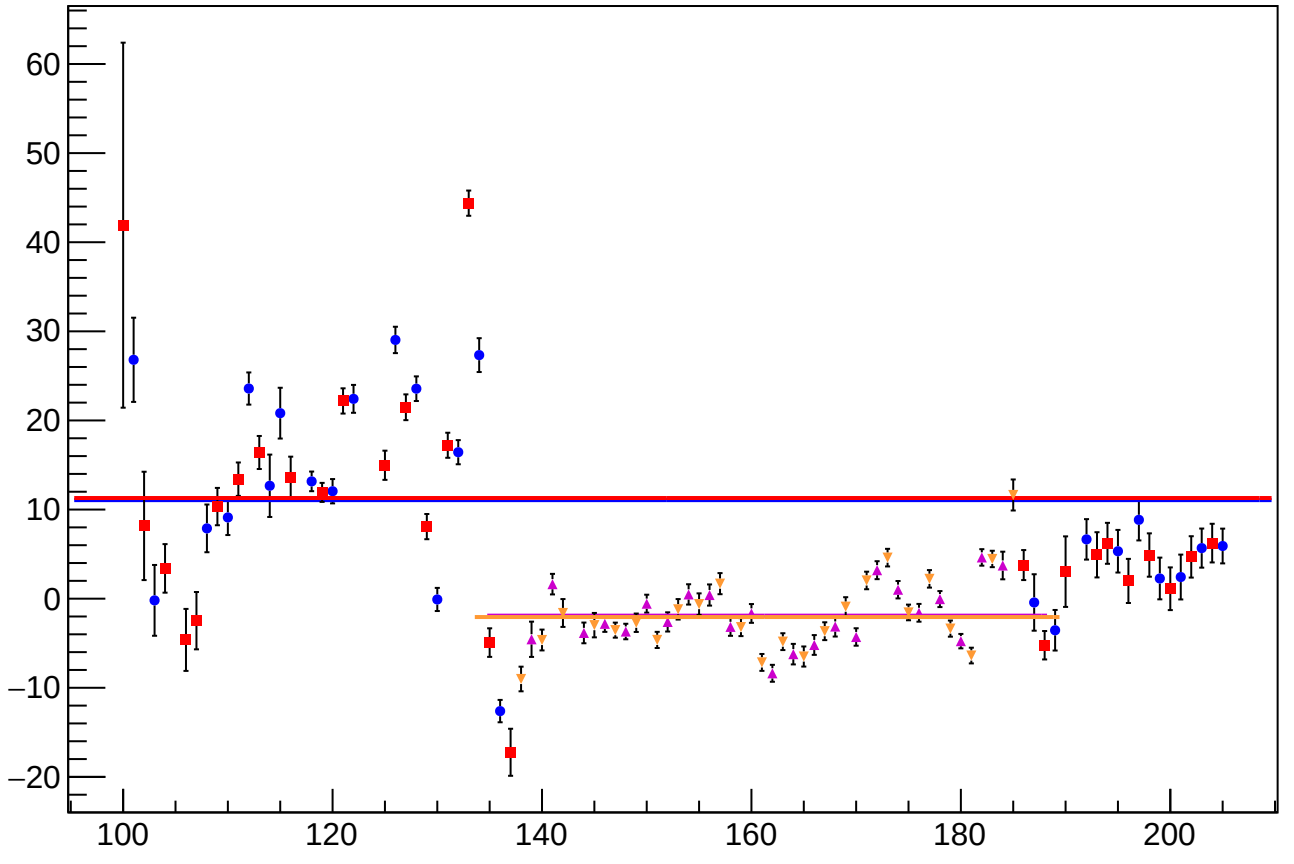
Right Out: -15.529+/-0.277 χ^2/NDF: 3164.3/27

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -25.343+/-0.190 χ^2/NDF: 11333.7/48

All: -25.984+/-0.132 χ^2/NDF: 22372.3/99

- sign -26.582+/-0.184 χ^2/NDF: 11016.6/50



Right In: 11.058+/-0.366 χ^2/NDF: 990.4/24

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

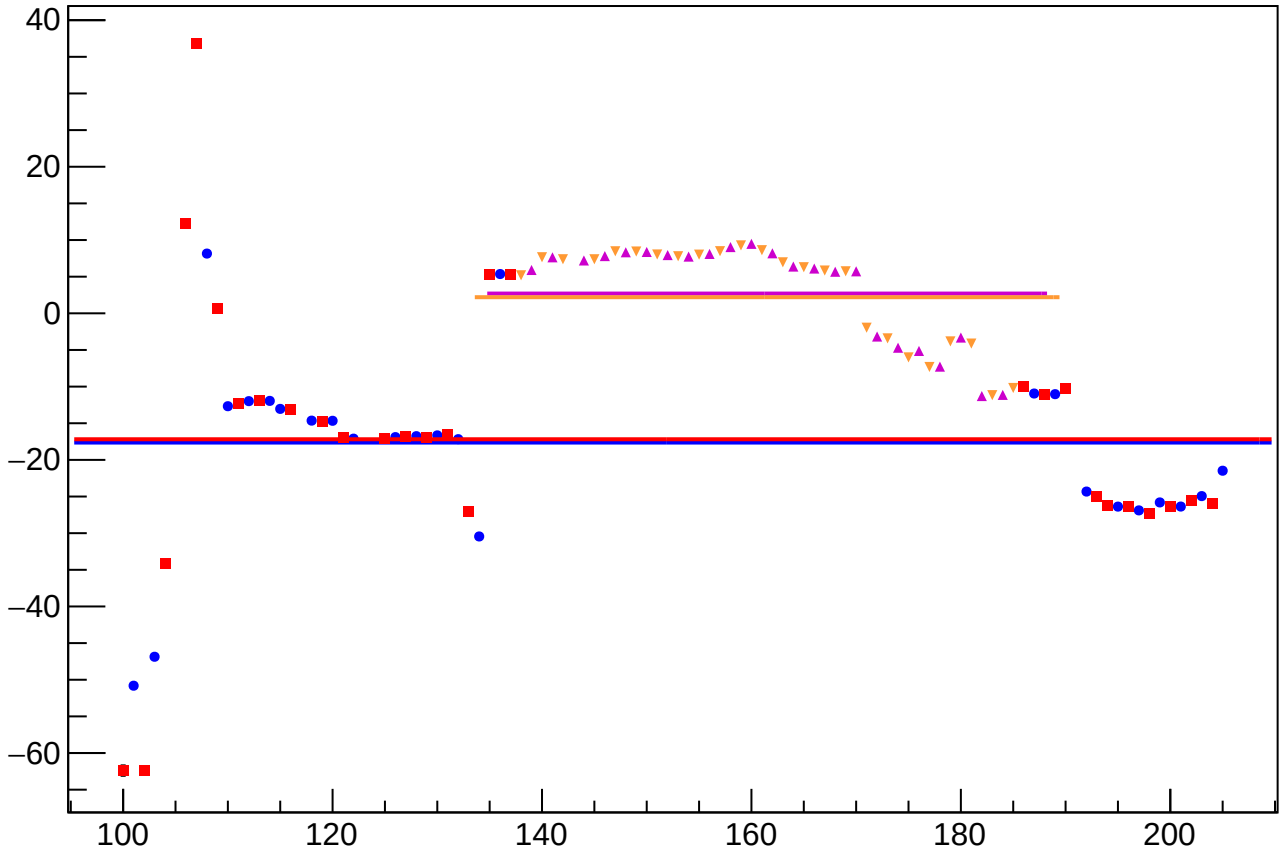
Right Out: 11.295+/-0.361 χ^2/NDF: 1158.4/27

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.243+/-0.184 χ^2/NDF: 2285.3/48

All: 1.407+/-0.130 χ^2/NDF: 4650.5/99

\- sign 1.575+/-0.186 χ^2/NDF: 2363.5/50



Right In: -17.635+/-0.019 χ^2/NDF: 497714.7/24

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.185+/-0.019 χ^2/NDF: 580455.2/27

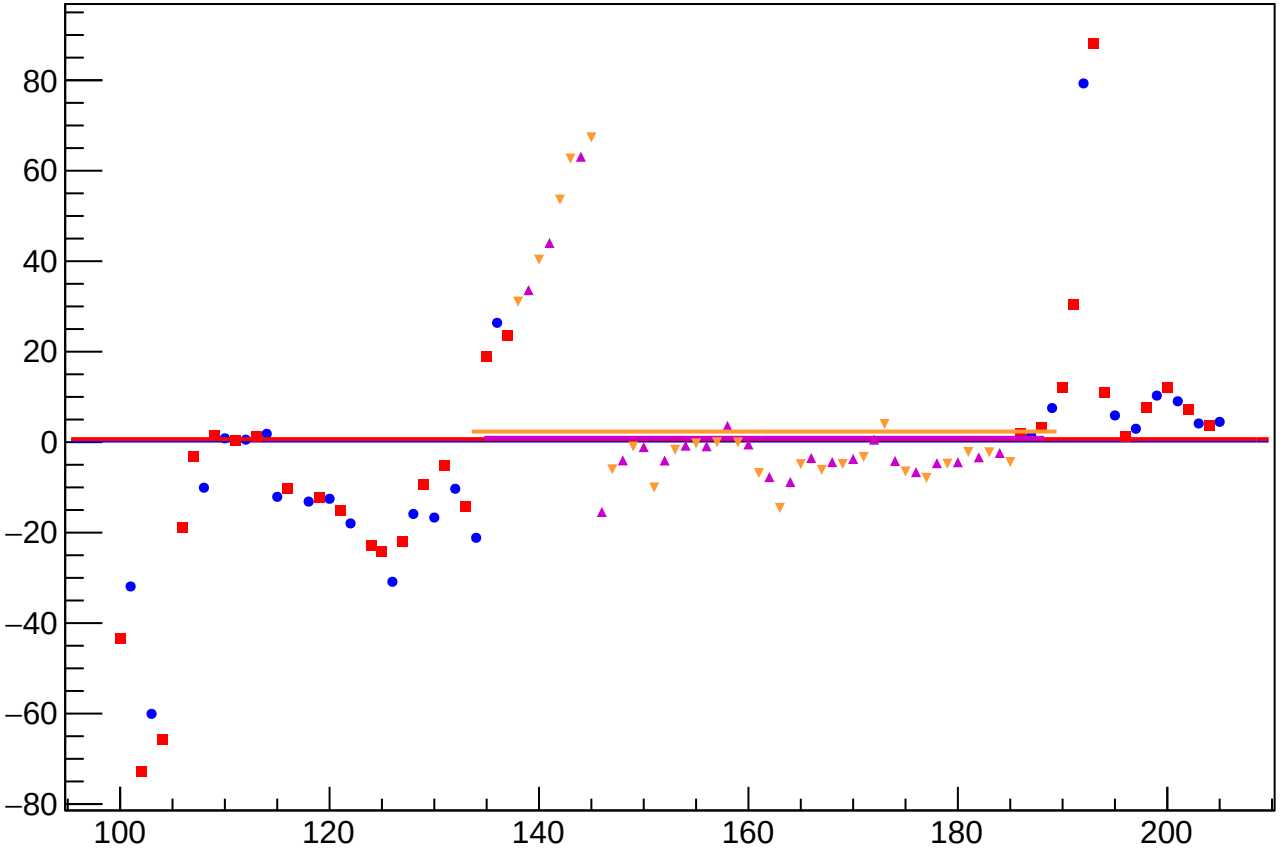
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign -1.843+/-0.008 χ^2/NDF: 1895107.5/48

All: -1.663+/-0.006 χ^2/NDF: 3885344.2/99

- sign -1.483+/-0.008 χ^2/NDF: 1989339.8/50

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.352+/-0.042 χ^2/NDF: 118603.5/24

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

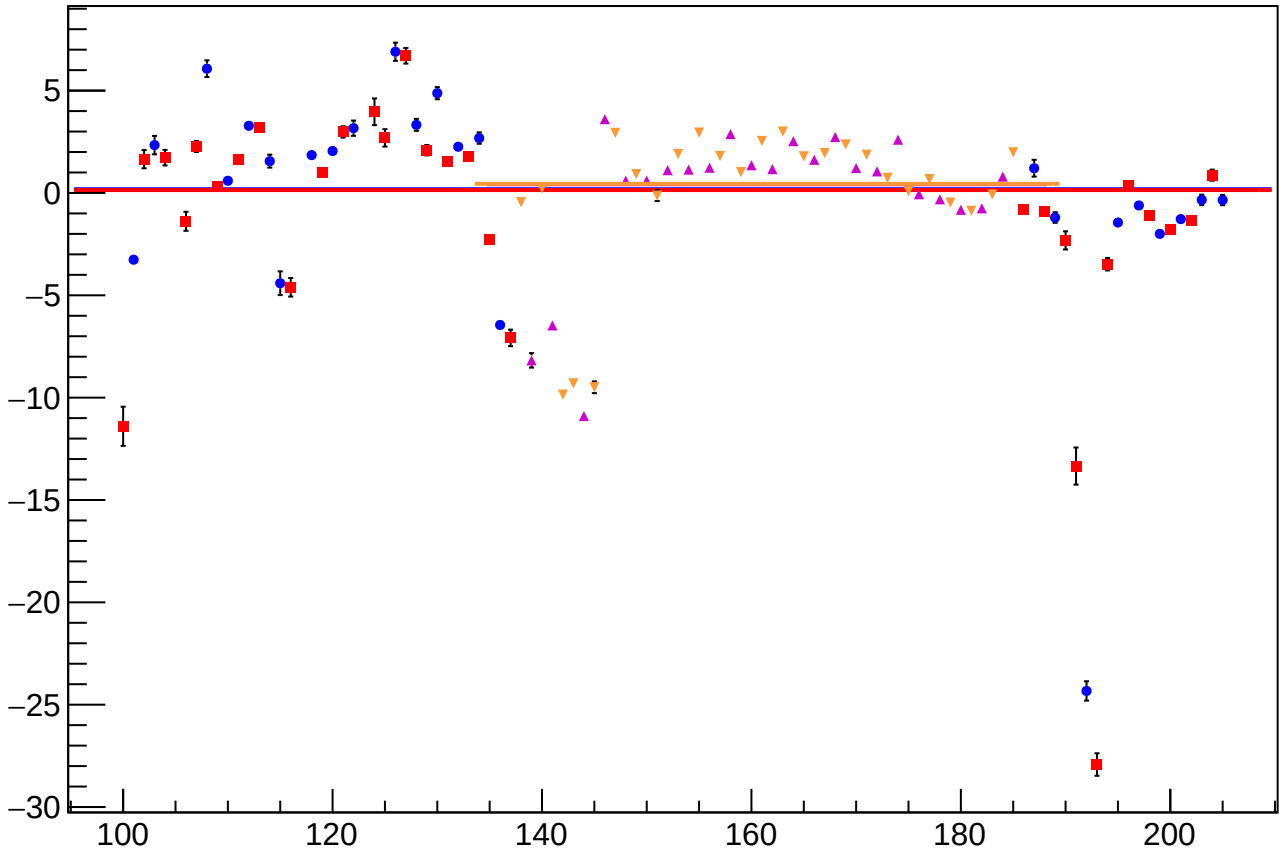
Right Out: 0.665+/-0.037 χ^2/NDF: 119873.9/29

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.392+/-0.029 χ^2/NDF: 296754.6/49

All: 1.074+/-0.020 χ^2/NDF: 549399.3/102

- sign 0.799+/-0.027 χ^2/NDF: 252422.7/52



Right In: 0.182+/-0.048 χ^2/NDF: 5826.1/24

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

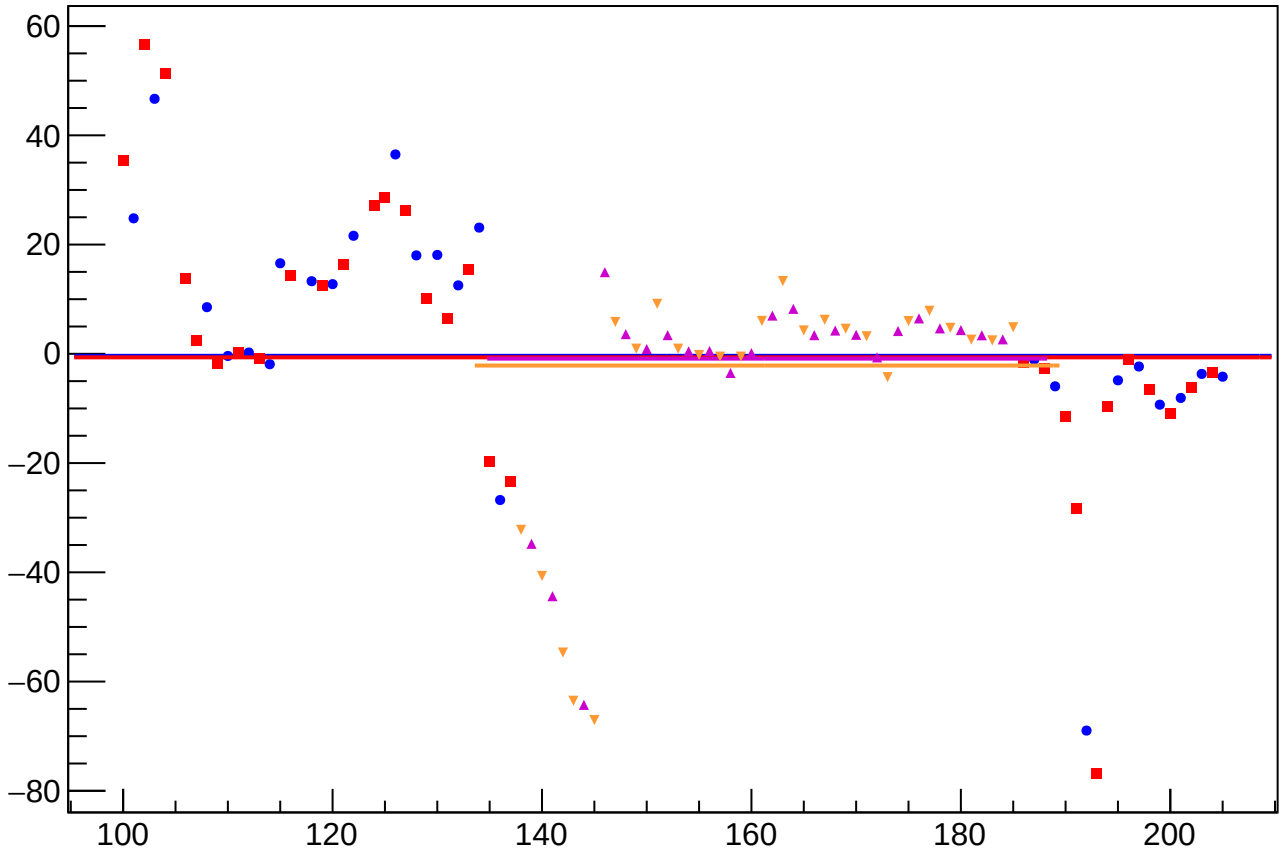
Right Out: 0.142+/-0.046 χ^2/NDF: 5075.8/29

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.362+/-0.027 χ^2/NDF: 12890.9/49

All: 0.348+/-0.019 χ^2/NDF: 25096.1/102

- sign 0.336+/-0.026 χ^2/NDF: 12204.6/52



Right In: -0.367+/-0.044 χ^2/NDF: 117540.2/24

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.645+/-0.039 χ^2/NDF: 118254.1/29

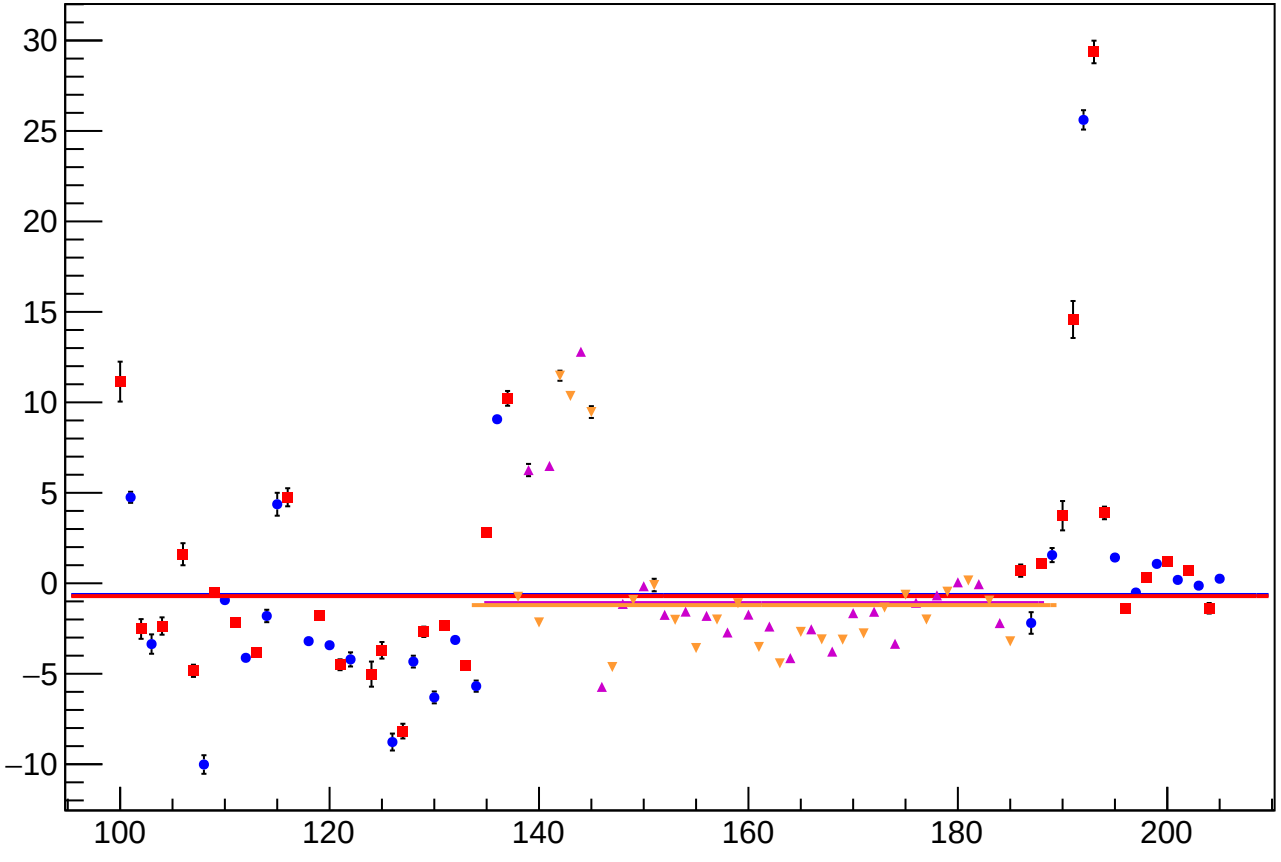
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.331+/-0.030 χ^2/NDF: 289700.9/49

All: -1.029+/-0.020 χ^2/NDF: 537365.9/102

- sign -0.763+/-0.028 χ^2/NDF: 247469.9/52

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.645+/-0.056 χ^2/NDF: 7321.0/24

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

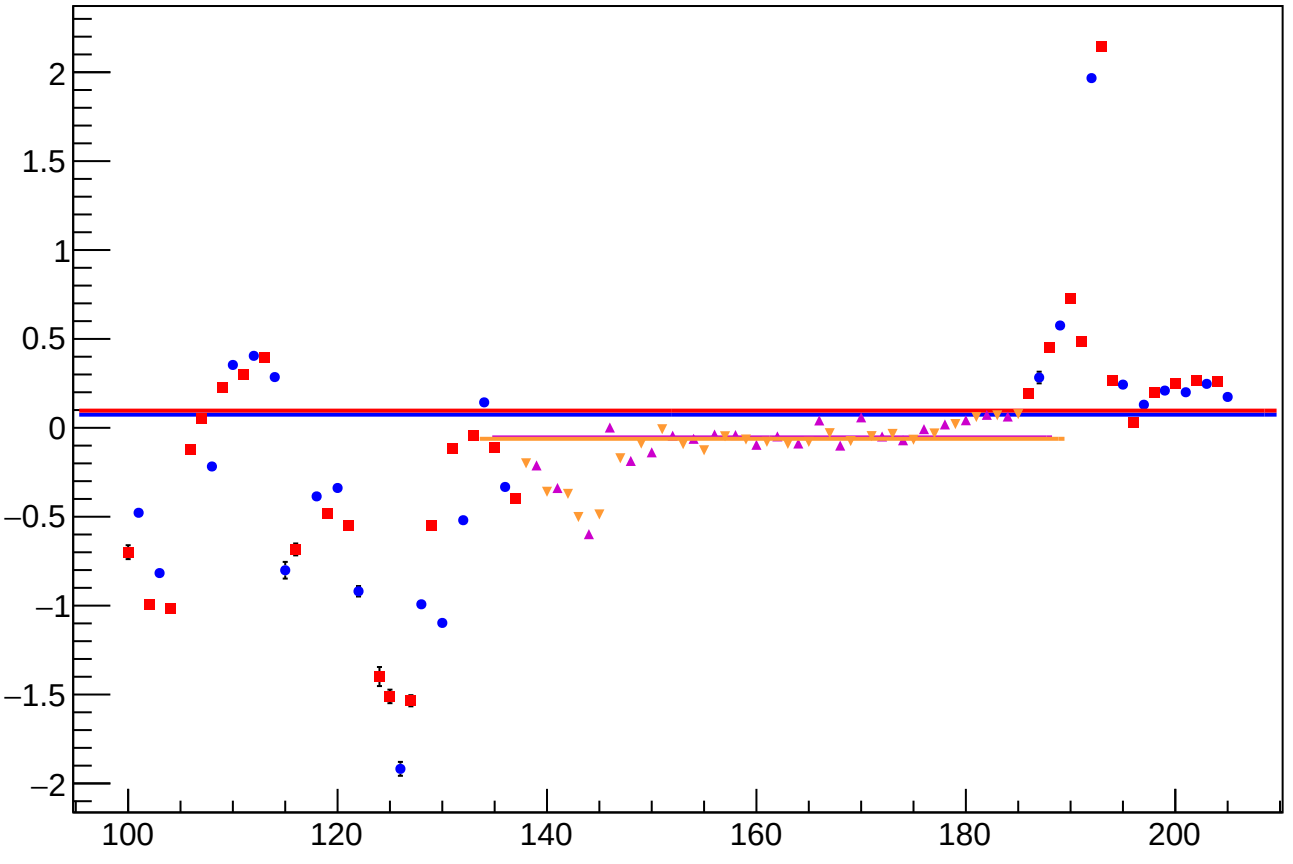
Right Out: -0.708+/-0.053 χ^2/NDF: 5606.1/29

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.041+/-0.030 χ^2/NDF: 14394.1/49

All: -1.008+/-0.021 χ^2/NDF: 27068.2/102

- sign -0.978+/-0.029 χ^2/NDF: 12671.9/52



Right In: 0.074+/-0.003 χ^2/NDF: 33985.9/24

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34638.9/29

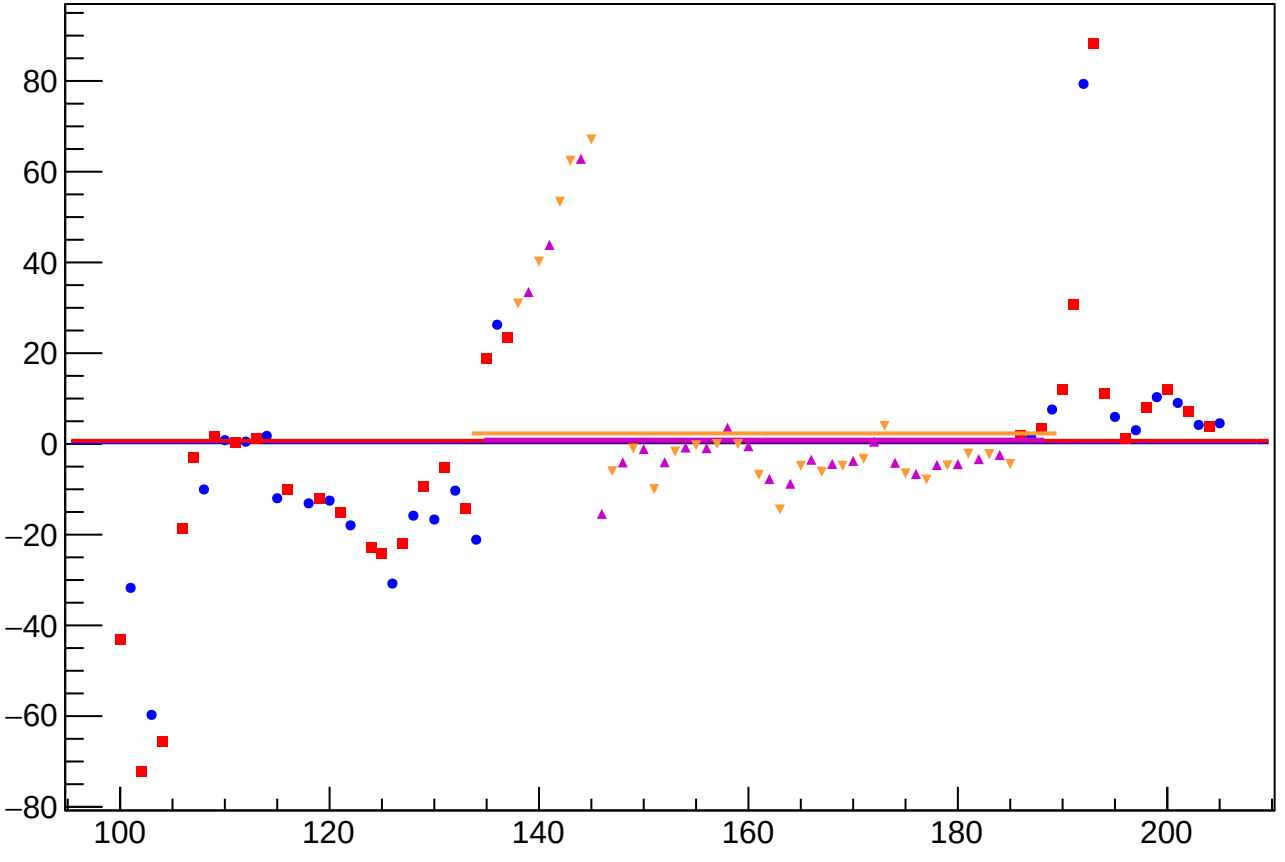
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.023+/-0.001 χ^2/NDF: 41770.6/49

All: -0.018+/-0.001 χ^2/NDF: 84238.0/102

- sign -0.013+/-0.001 χ^2/NDF: 42435.8/52

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.366+/-0.042 χ^2/NDF: 119068.6/24

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.680+/-0.037 χ^2/NDF: 120396.9/29

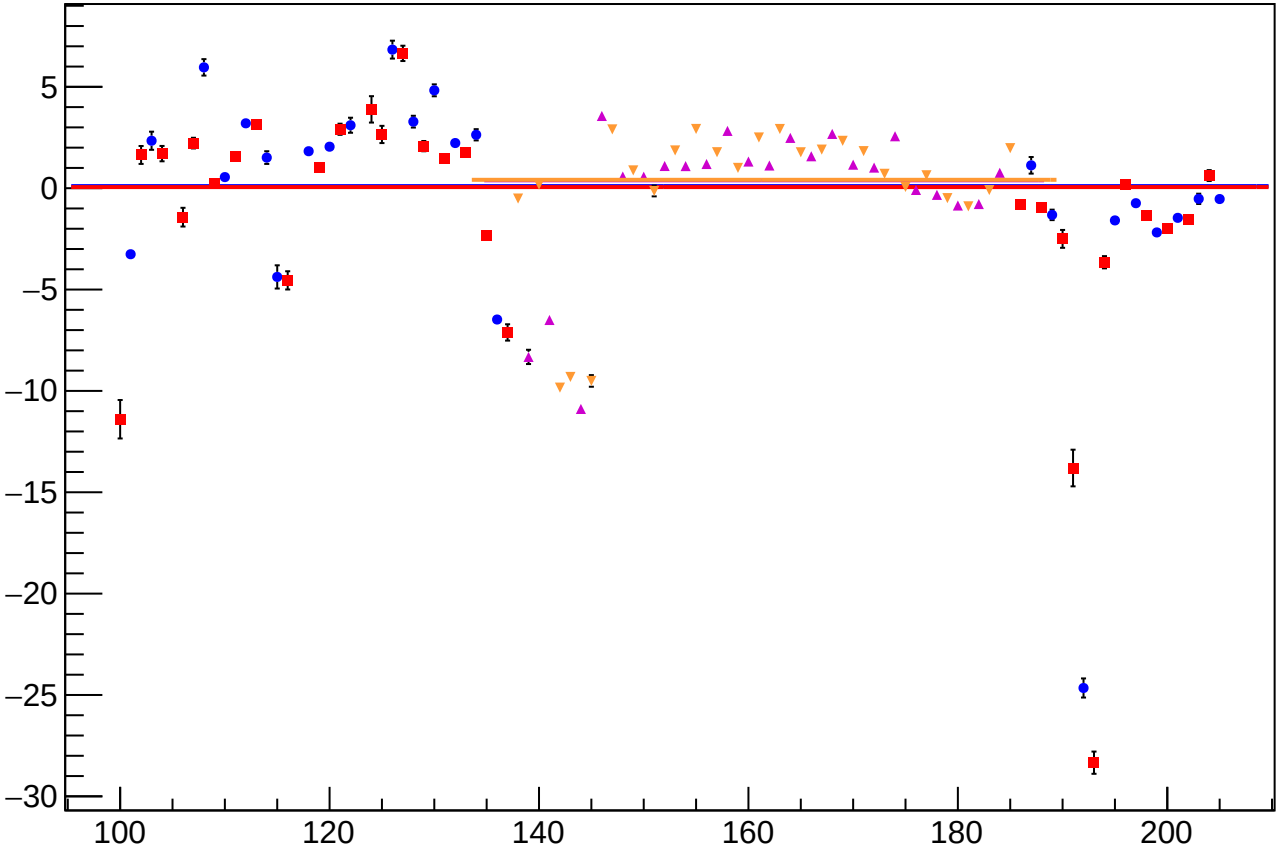
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.384+/-0.029 χ^2/NDF: 296946.3/49

All: 1.070+/-0.020 χ^2/NDF: 549990.5/102

- sign 0.797+/-0.027 χ^2/NDF: 252824.3/52

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.103+/-0.048 χ^2/NDF: 5961.7/24

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.055+/-0.045 χ^2/NDF: 5244.0/29

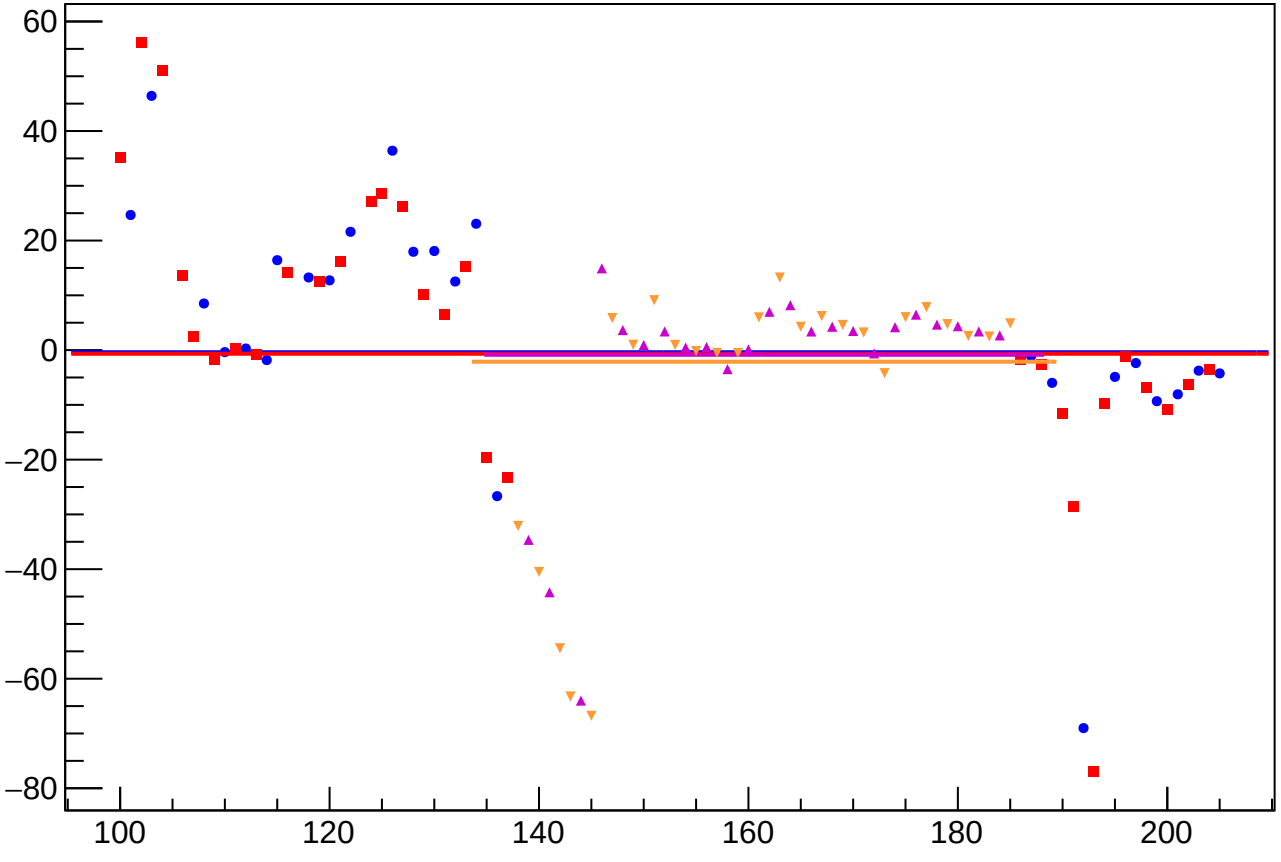
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.315+/-0.027 χ^2/NDF: 13037.5/49

All: 0.297+/-0.019 χ^2/NDF: 25433.3/102

- sign 0.281+/-0.026 χ^2/NDF: 12395.0/52

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.387+/-0.044 χ^2/NDF: 117980.0/24

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.669+/-0.039 χ^2/NDF: 118758.4/29

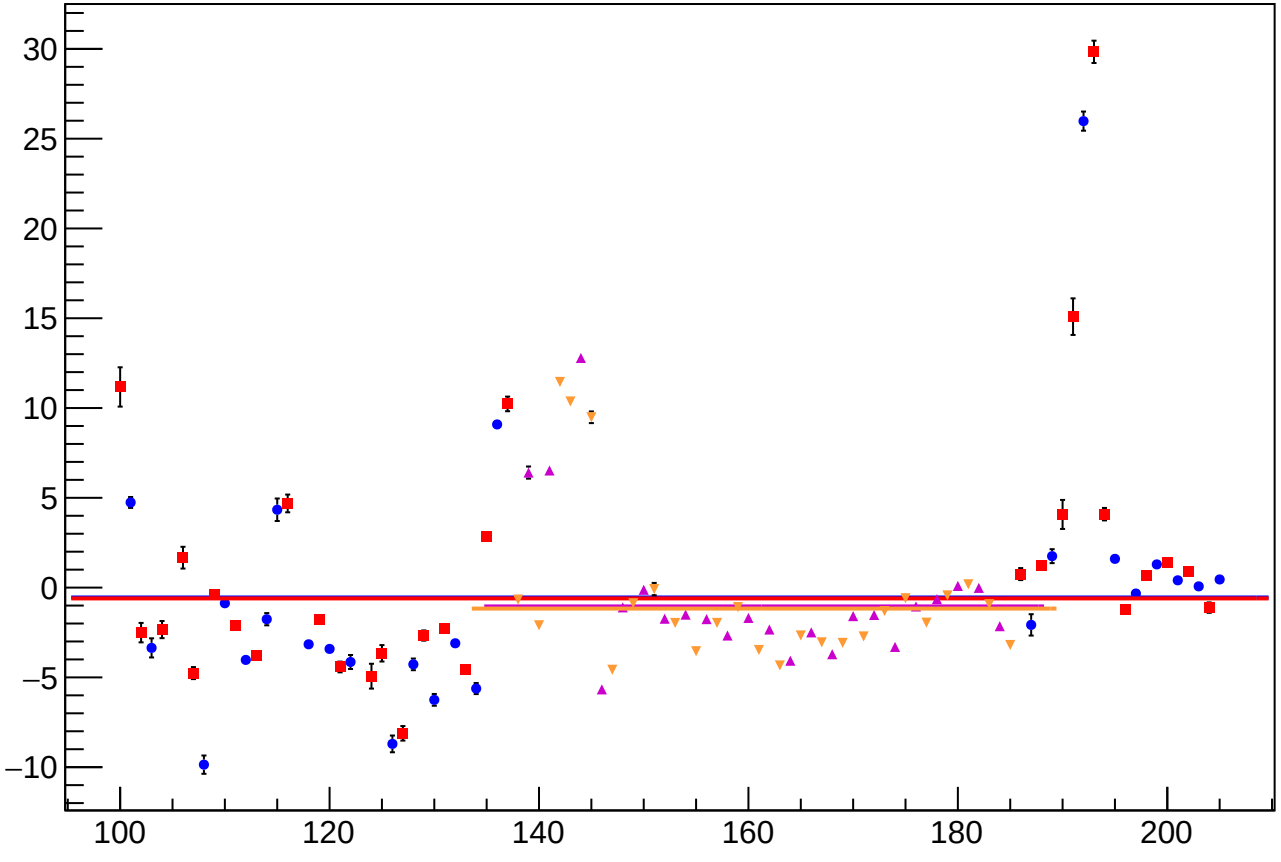
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.326+/-0.030 χ^2/NDF: 289873.3/49

All: -1.027+/-0.020 χ^2/NDF: 537921.7/102

- sign -0.763+/-0.028 χ^2/NDF: 247855.1/52

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.550+/-0.056 χ^2/NDF: 7438.1/24

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

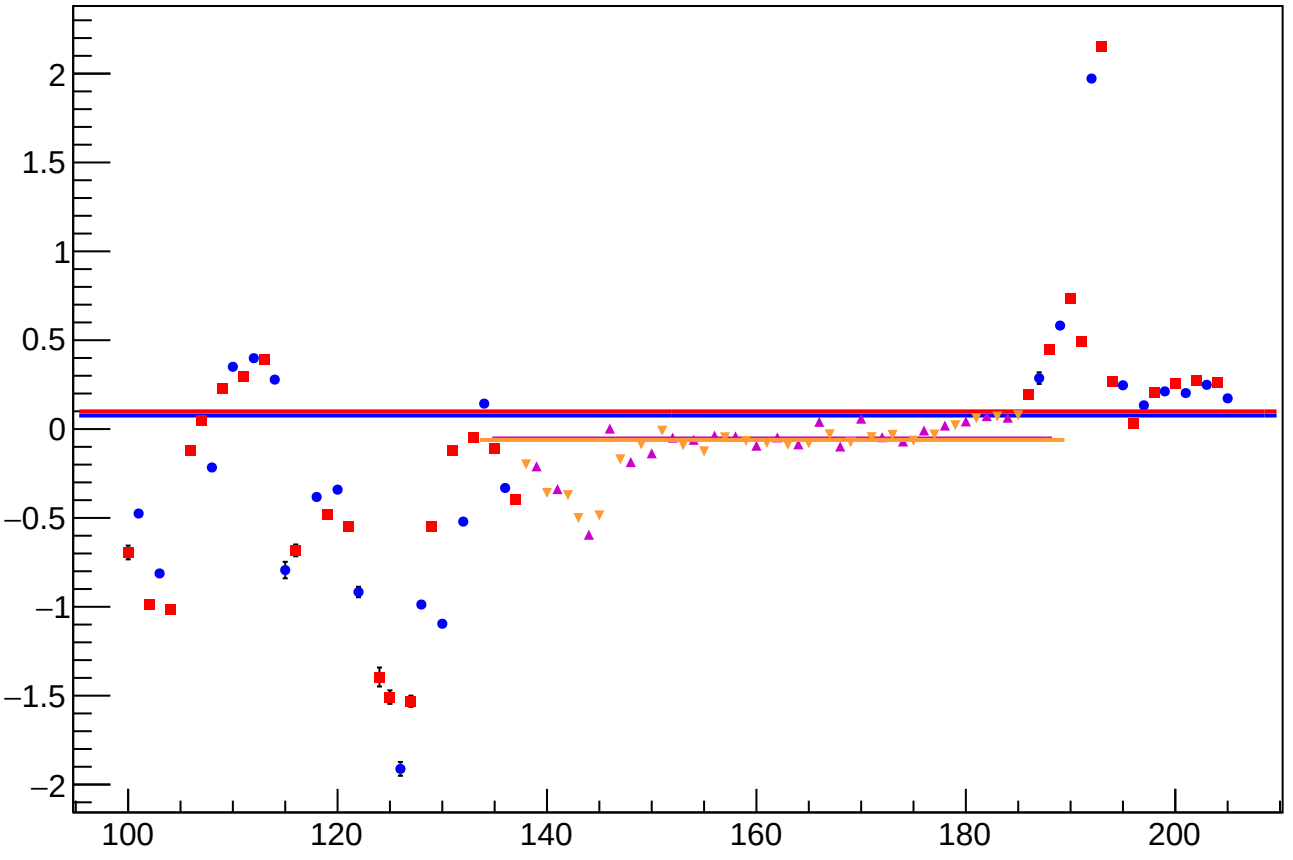
Right Out: -0.603+/-0.053 χ^2/NDF: 5763.4/29

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -0.985+/-0.030 χ^2/NDF: 14525.4/49

All: -0.948+/-0.021 χ^2/NDF: 27381.8/102

- sign -0.914+/-0.029 χ^2/NDF: 12853.6/52



Right In: 0.076+/-0.003 χ^2/NDF: 34255.5/24

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34949.4/29

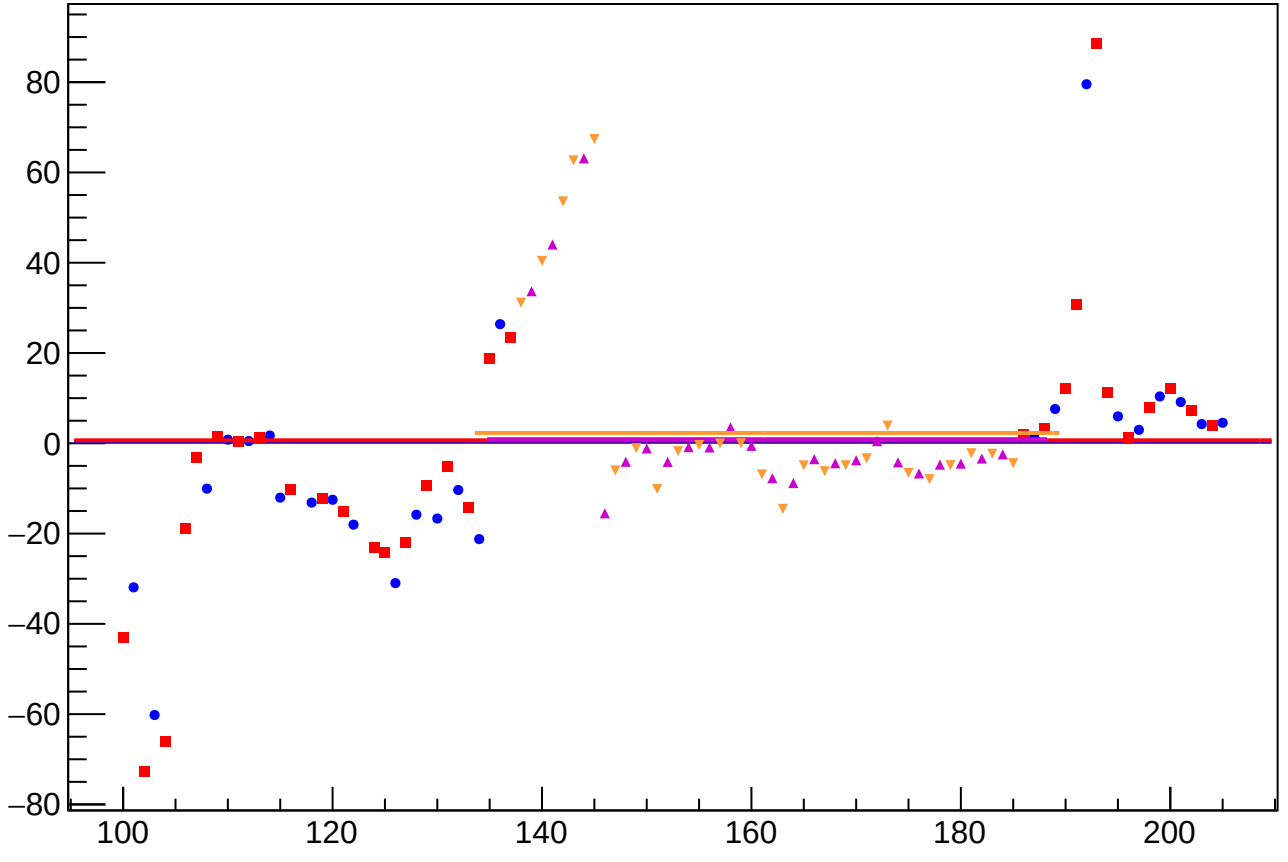
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.022+/-0.001 χ^2/NDF: 42128.7/49

All: -0.017+/-0.001 χ^2/NDF: 84985.1/102

- sign -0.011+/-0.001 χ^2/NDF: 42821.8/52

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.333+/-0.042 χ^2/NDF: 119112.3/24

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.659+/-0.037 χ^2/NDF: 120443.4/29

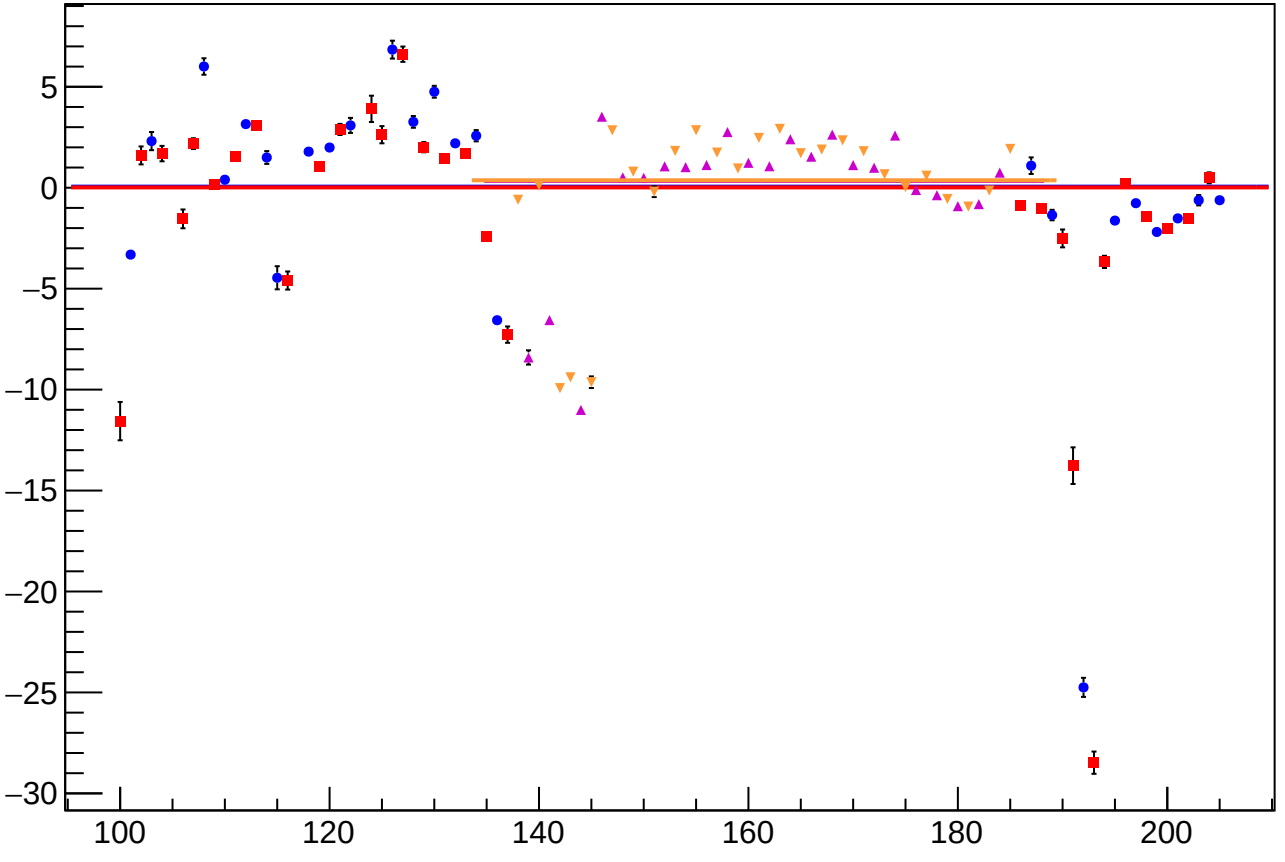
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.359+/-0.029 χ^2/NDF: 297430.9/49

All: 1.046+/-0.020 χ^2/NDF: 550685.1/102

- sign 0.775+/-0.027 χ^2/NDF: 253038.9/52

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.053+/-0.048 χ^2/NDF: 5947.4/24

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.015+/-0.046 χ^2/NDF: 5237.0/29

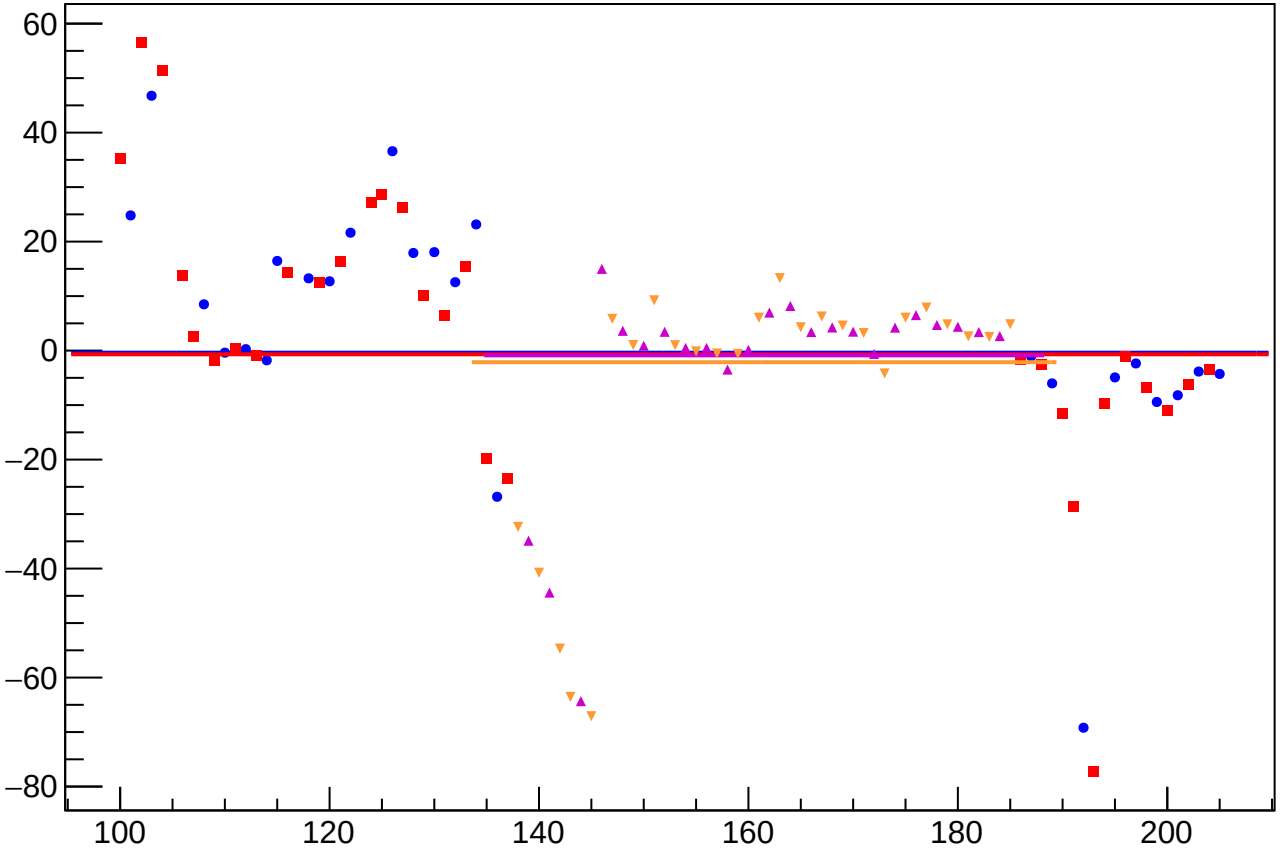
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.268+/-0.027 χ^2/NDF: 13044.3/49

All: 0.250+/-0.019 χ^2/NDF: 25410.1/102

- sign 0.233+/-0.026 χ^2/NDF: 12364.9/52

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.385+/-0.044 χ^2/NDF: 118037.4/24

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.678+/-0.039 χ^2/NDF: 118827.4/29

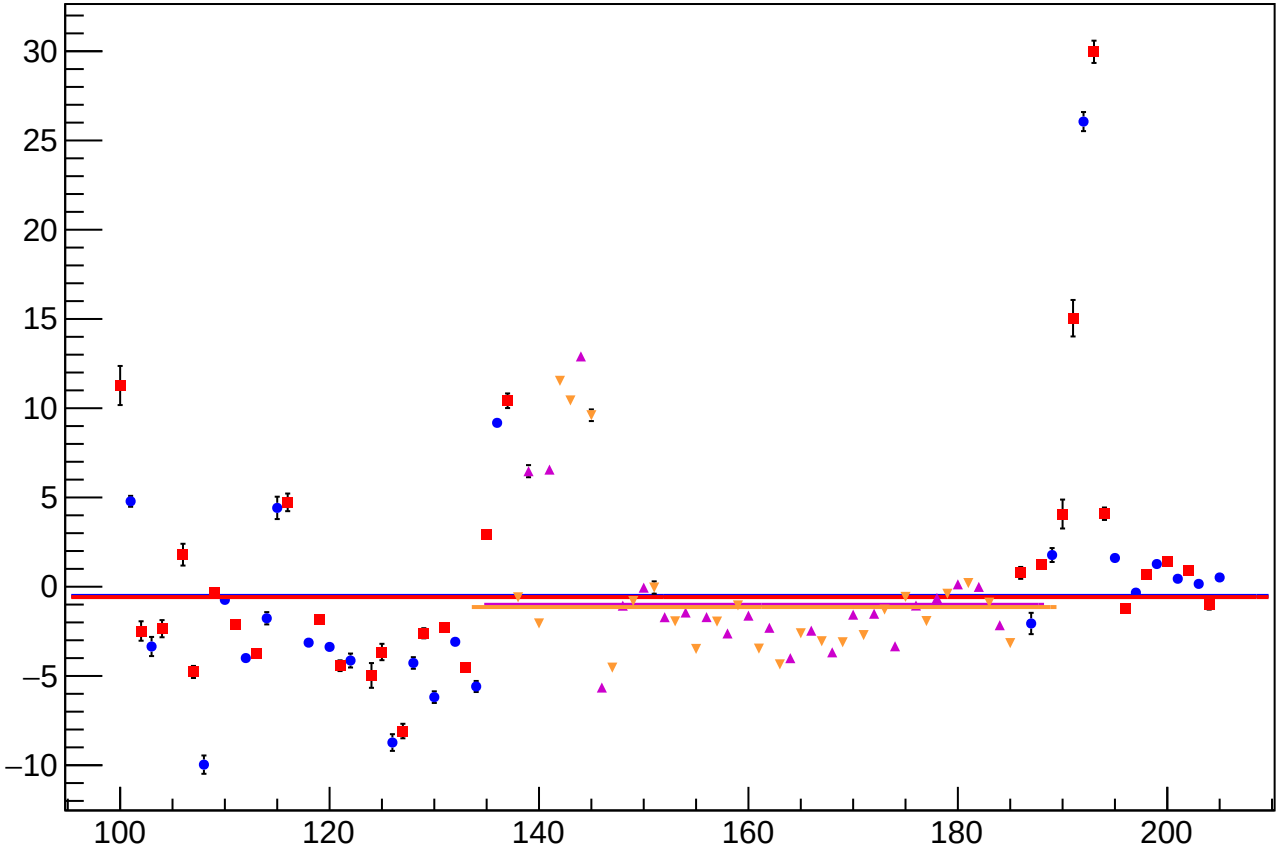
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.335+/-0.030 χ^2/NDF: 290364.1/49

All: -1.036+/-0.020 χ^2/NDF: 538656.8/102

- sign -0.774+/-0.028 χ^2/NDF: 248103.0/52

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.515+/-0.056 χ^2/NDF: 7432.3/24

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

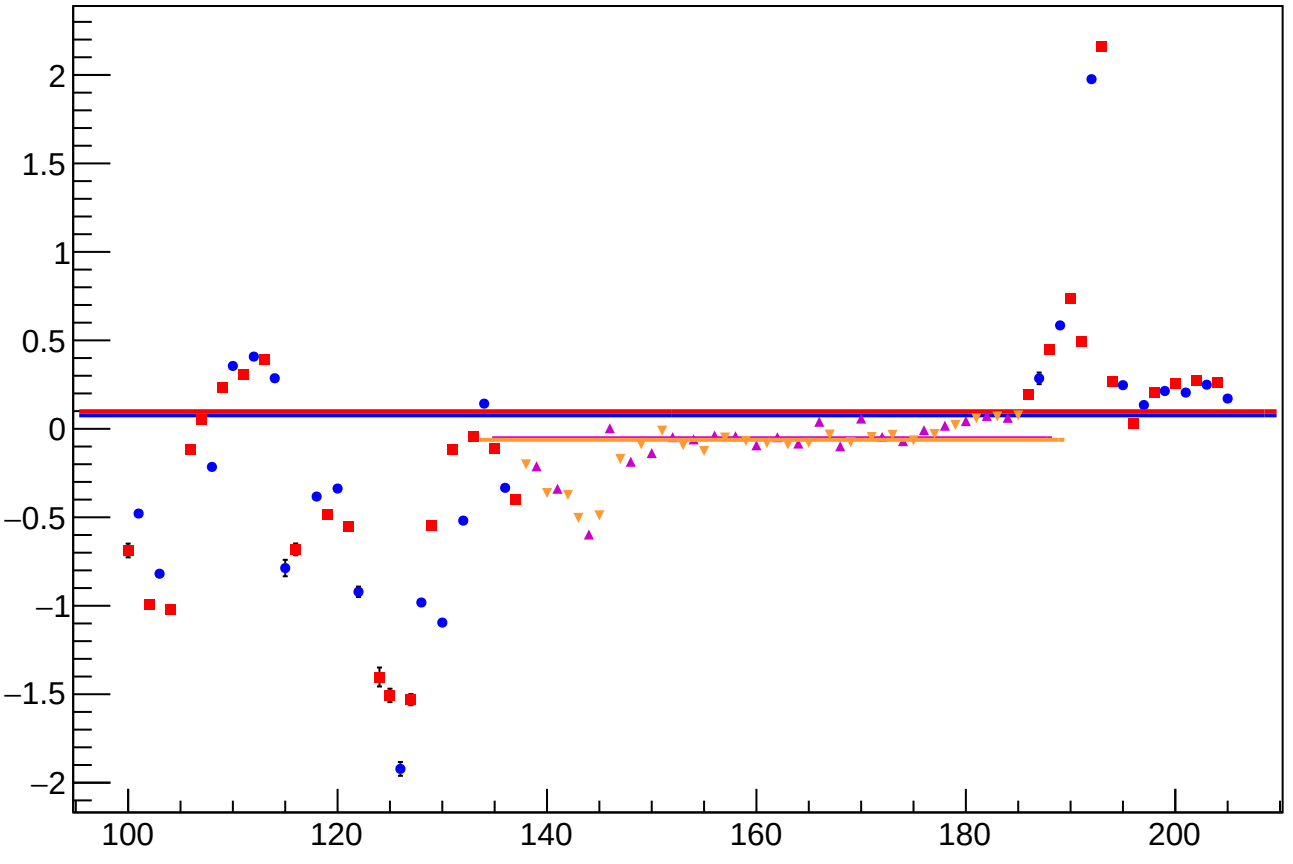
Right Out: -0.581+/-0.053 χ^2/NDF: 5768.3/29

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.956+/-0.031 χ^2/NDF: 14542.2/49

All: -0.918+/-0.021 χ^2/NDF: 27386.8/102

- sign -0.884+/-0.029 χ^2/NDF: 12841.6/52



Right In: 0.076+/-0.003 χ^2/NDF: 34246.6/24

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34912.4/29

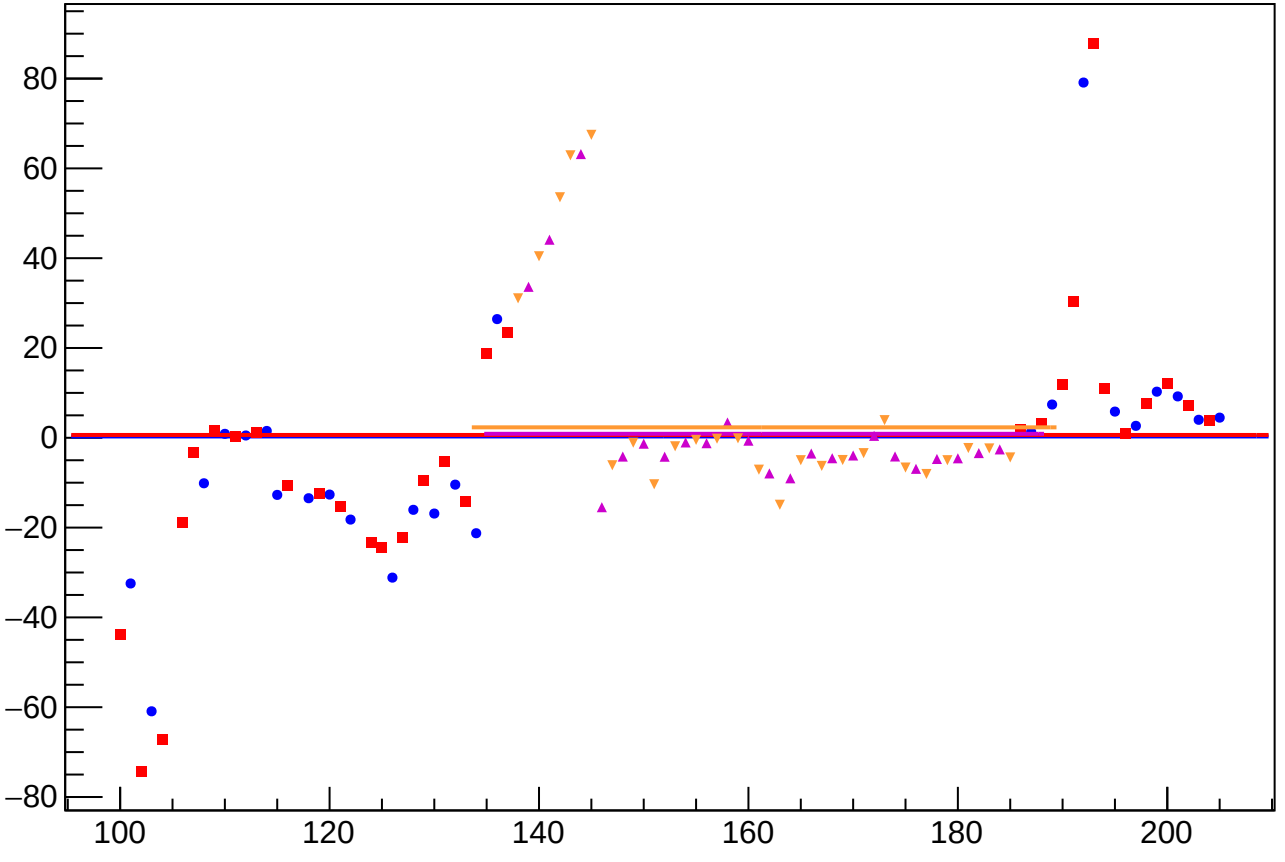
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.023+/-0.001 χ^2/NDF: 42131.0/49

All: -0.017+/-0.001 χ^2/NDF: 84920.6/102

- sign -0.012+/-0.001 χ^2/NDF: 42751.9/52

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.298+/-0.043 χ^2/NDF: 117242.1/24

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.630+/-0.037 χ^2/NDF: 118797.1/29

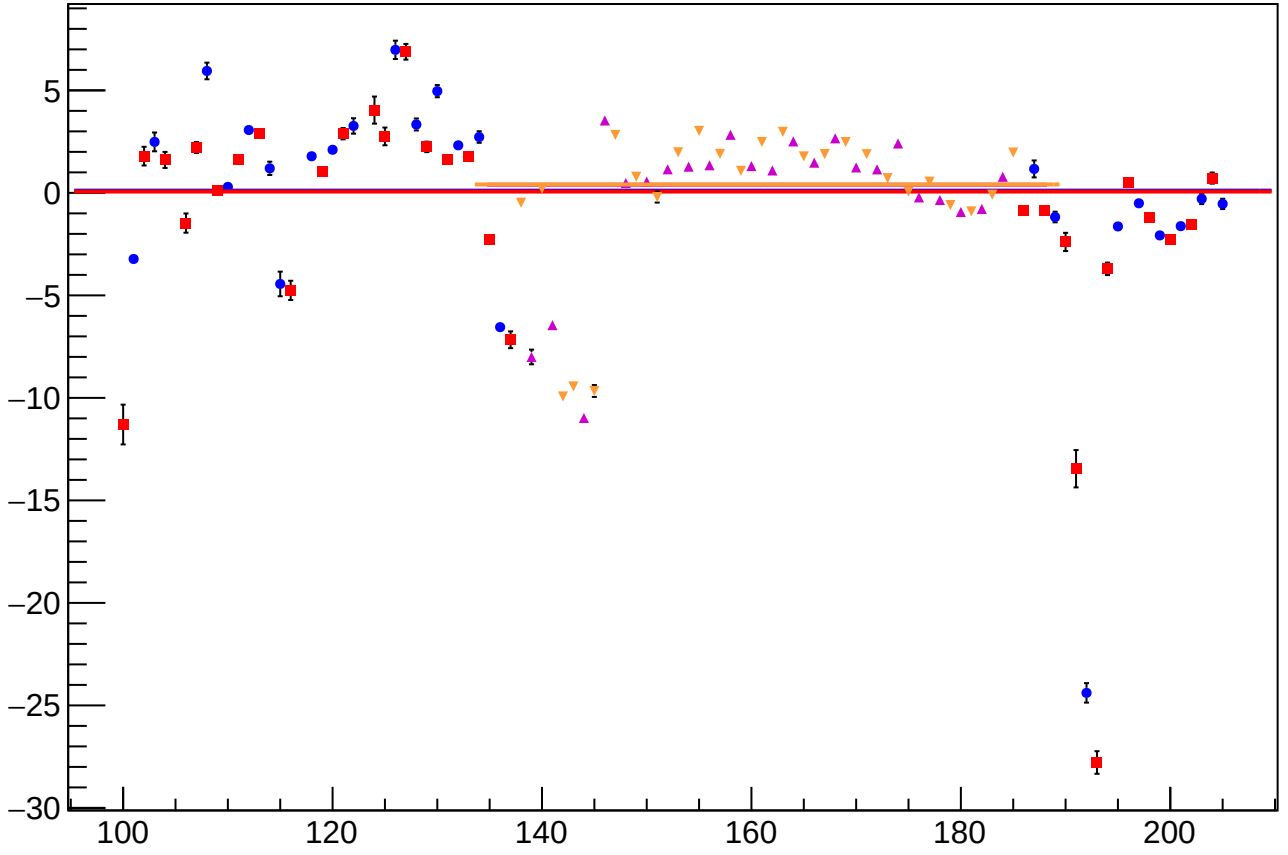
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.354+/-0.030 χ^2/NDF: 293063.0/49

All: 1.029+/-0.020 χ^2/NDF: 542523.0/102

- sign 0.748+/-0.028 χ^2/NDF: 249235.8/52

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.108+/-0.049 χ^2/NDF: 5786.8/24

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.065+/-0.046 χ^2/NDF: 5042.7/29

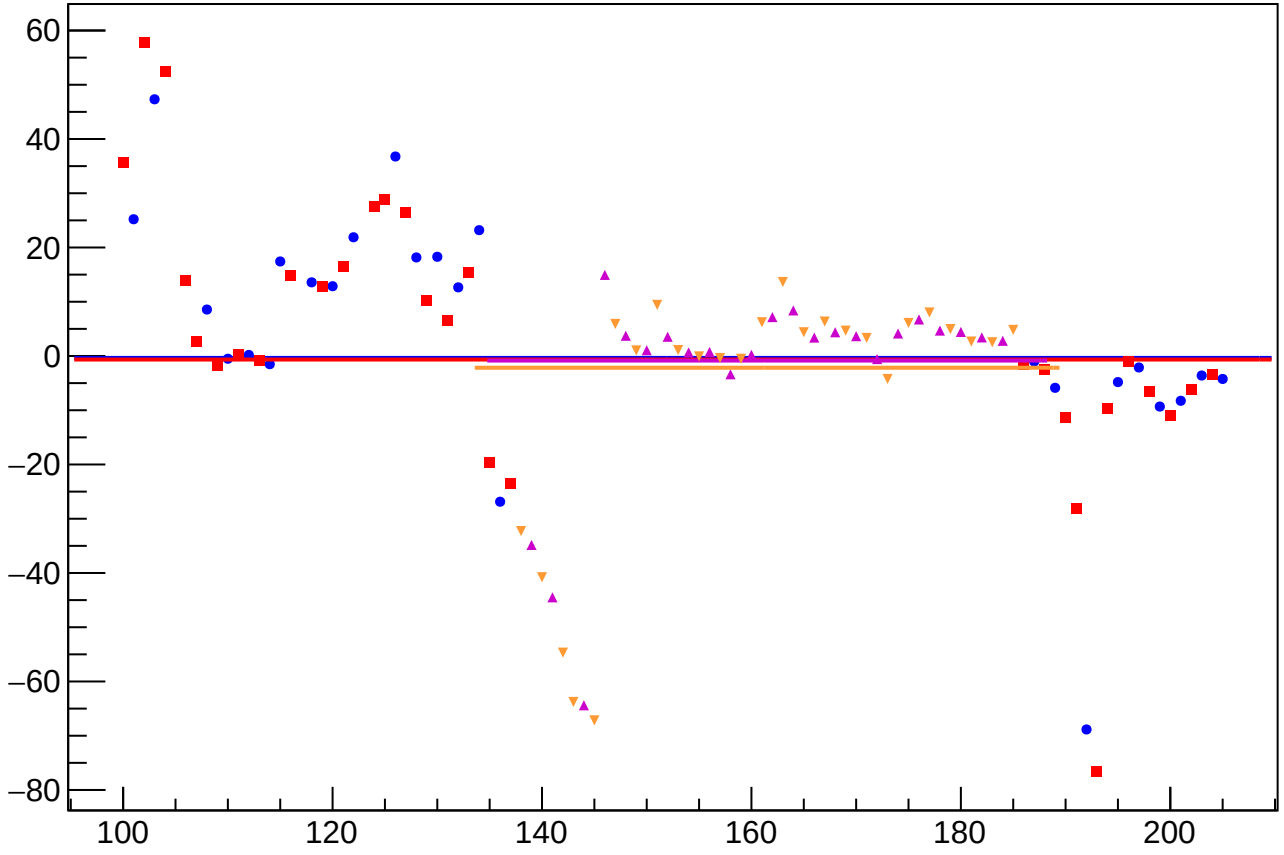
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.314+/-0.028 χ^2/NDF: 12860.5/49

All: 0.301+/-0.019 χ^2/NDF: 24870.3/102

- sign 0.289+/-0.026 χ^2/NDF: 12009.4/52

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.355+/-0.044 χ^2/NDF: 116205.4/24

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.653+/-0.040 χ^2/NDF: 117188.6/29

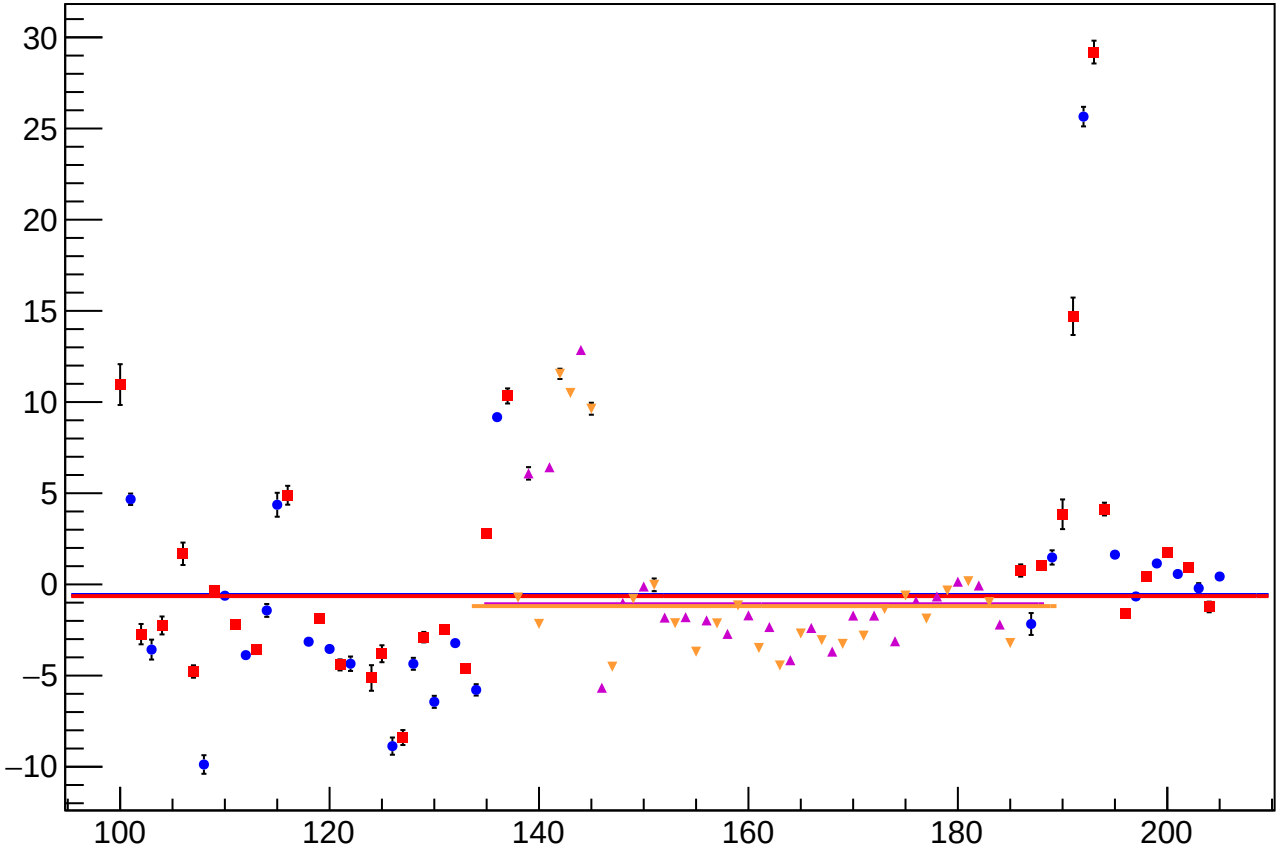
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.330+/-0.030 χ^2/NDF: 286089.0/49

All: -1.019+/-0.021 χ^2/NDF: 530623.9/102

- sign -0.747+/-0.028 χ^2/NDF: 244335.2/52

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.580+/-0.057 χ^2/NDF: 7270.4/24

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.641+/-0.054 χ^2/NDF: 5579.5/29

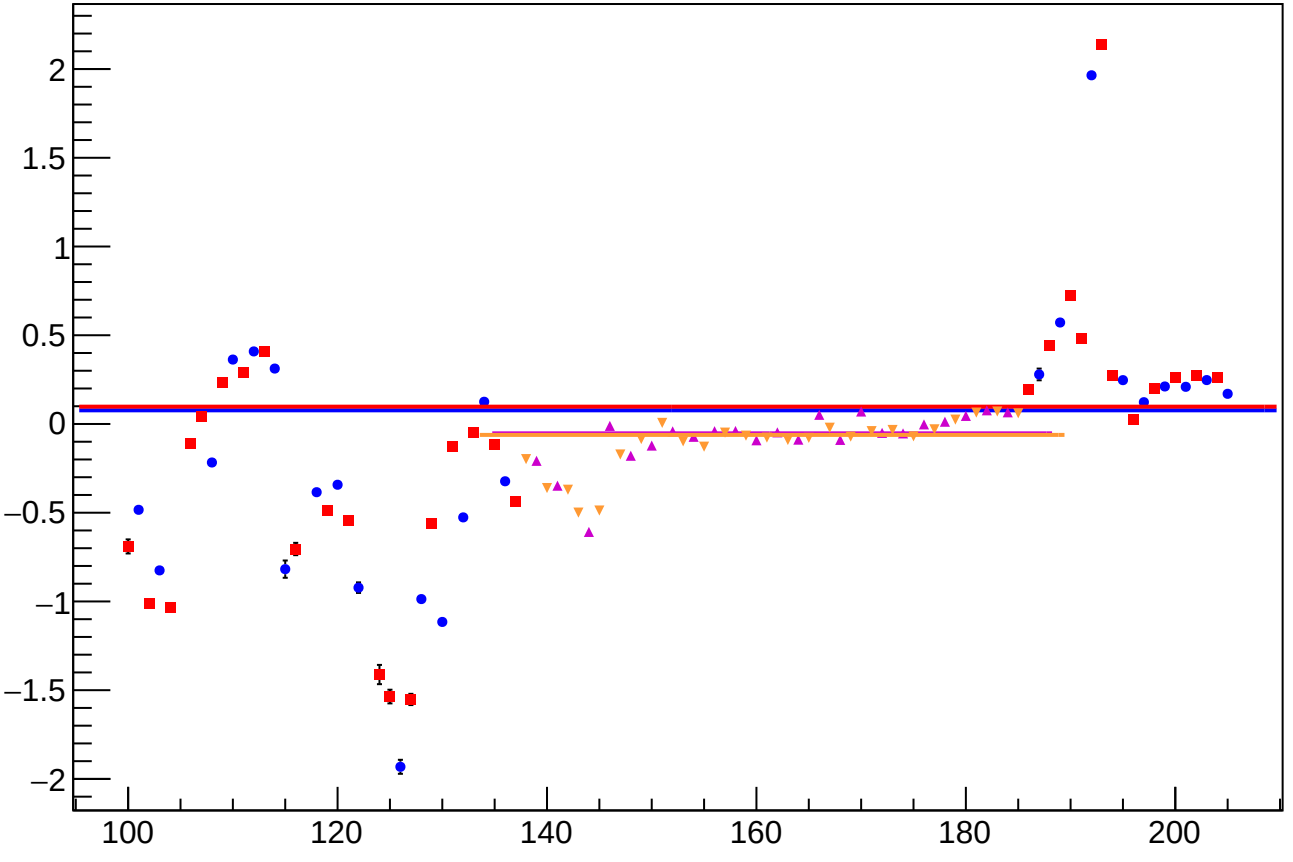
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.010+/-0.031 χ^2/NDF: 14347.0/49

All: -0.980+/-0.021 χ^2/NDF: 26816.8/102

- sign -0.954+/-0.030 χ^2/NDF: 12468.2/52

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.077+/-0.003 χ^2/NDF: 33523.7/24

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.098+/-0.002 χ^2/NDF: 34475.0/29

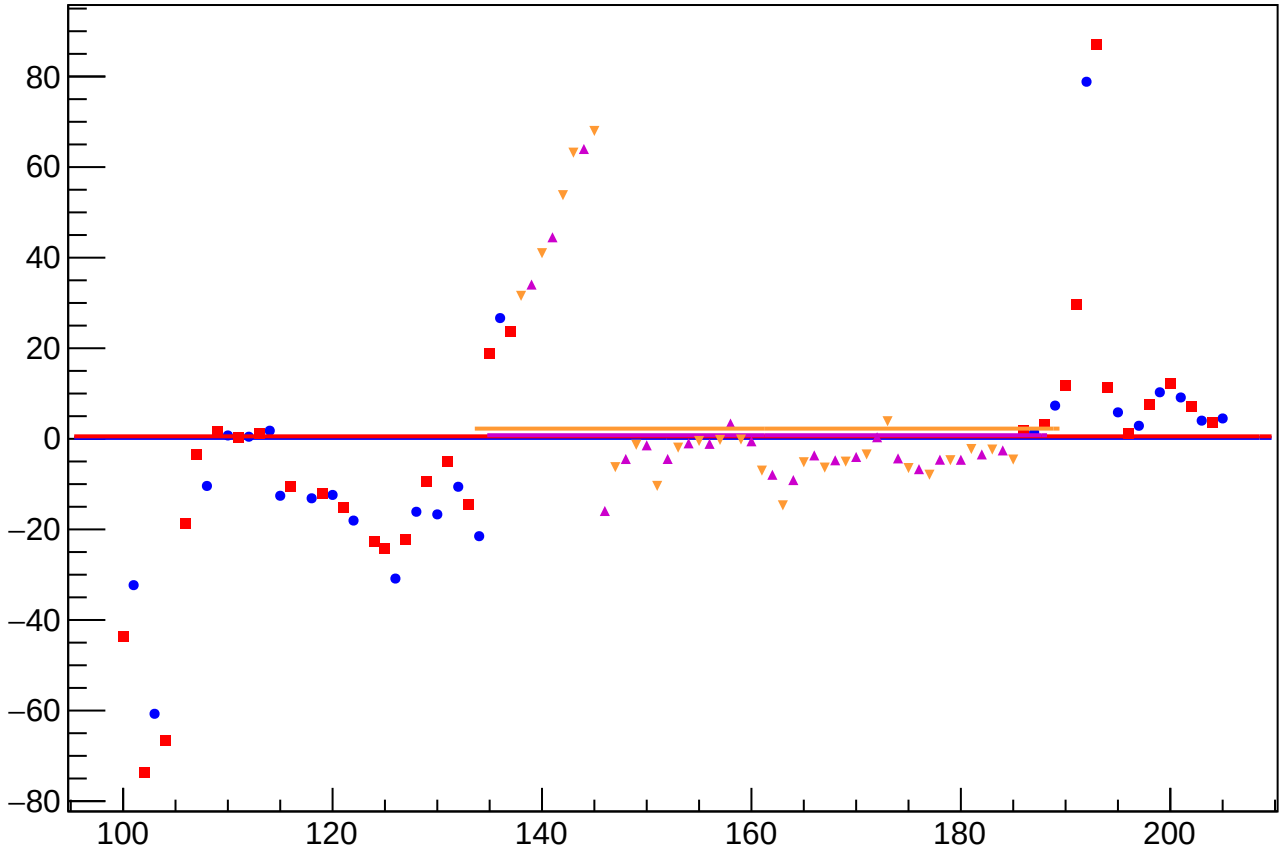
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.022+/-0.001 χ^2/NDF: 41185.4/49

All: -0.016+/-0.001 χ^2/NDF: 83408.7/102

- sign -0.011+/-0.001 χ^2/NDF: 42190.6/52

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.207+/-0.043 χ^2/NDF: 115533.0/24

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.549+/-0.038 χ^2/NDF: 116600.3/29

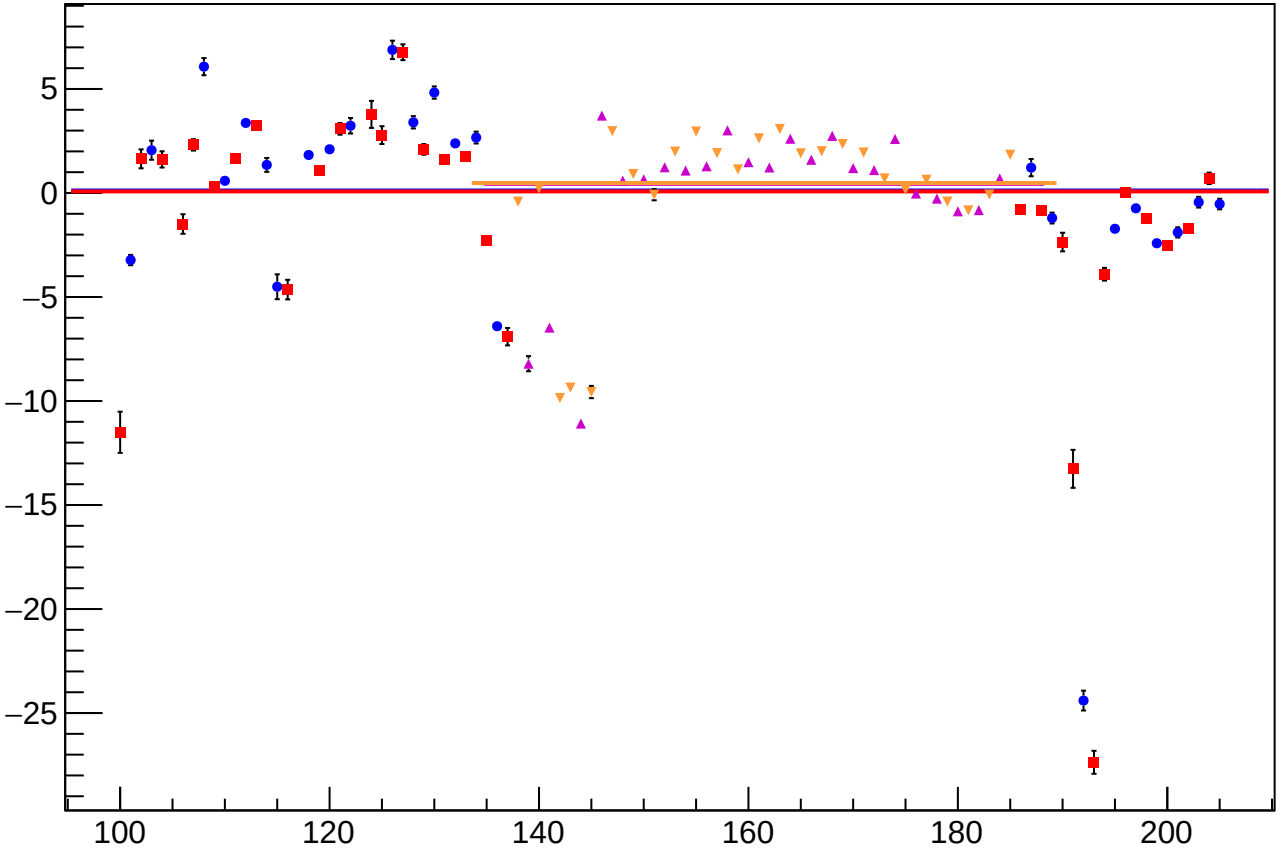
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.277+/-0.030 χ^2/NDF: 288366.8/49

All: 0.949+/-0.020 χ^2/NDF: 534038.8/102

- sign 0.662+/-0.028 χ^2/NDF: 245447.6/52

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.120+/-0.049 χ^2/NDF: 5778.1/24

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.076+/-0.047 χ^2/NDF: 4964.0/29

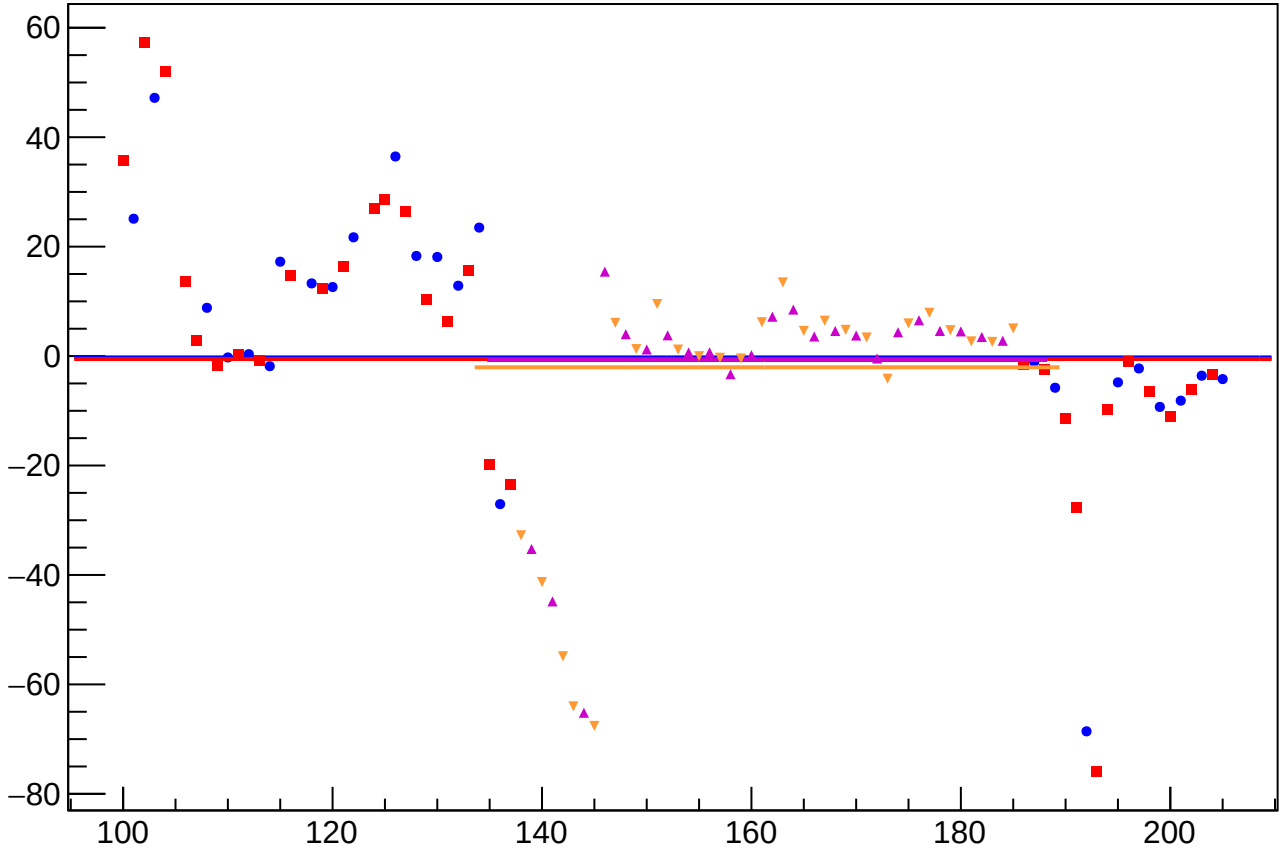
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.364+/-0.028 χ^2/NDF: 12622.1/49

All: 0.342+/-0.019 χ^2/NDF: 24522.0/102

- sign 0.322+/-0.027 χ^2/NDF: 11898.7/52

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -0.245+/-0.045 χ^2/NDF: 114480.0/24

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.540+/-0.040 χ^2/NDF: 115020.9/29

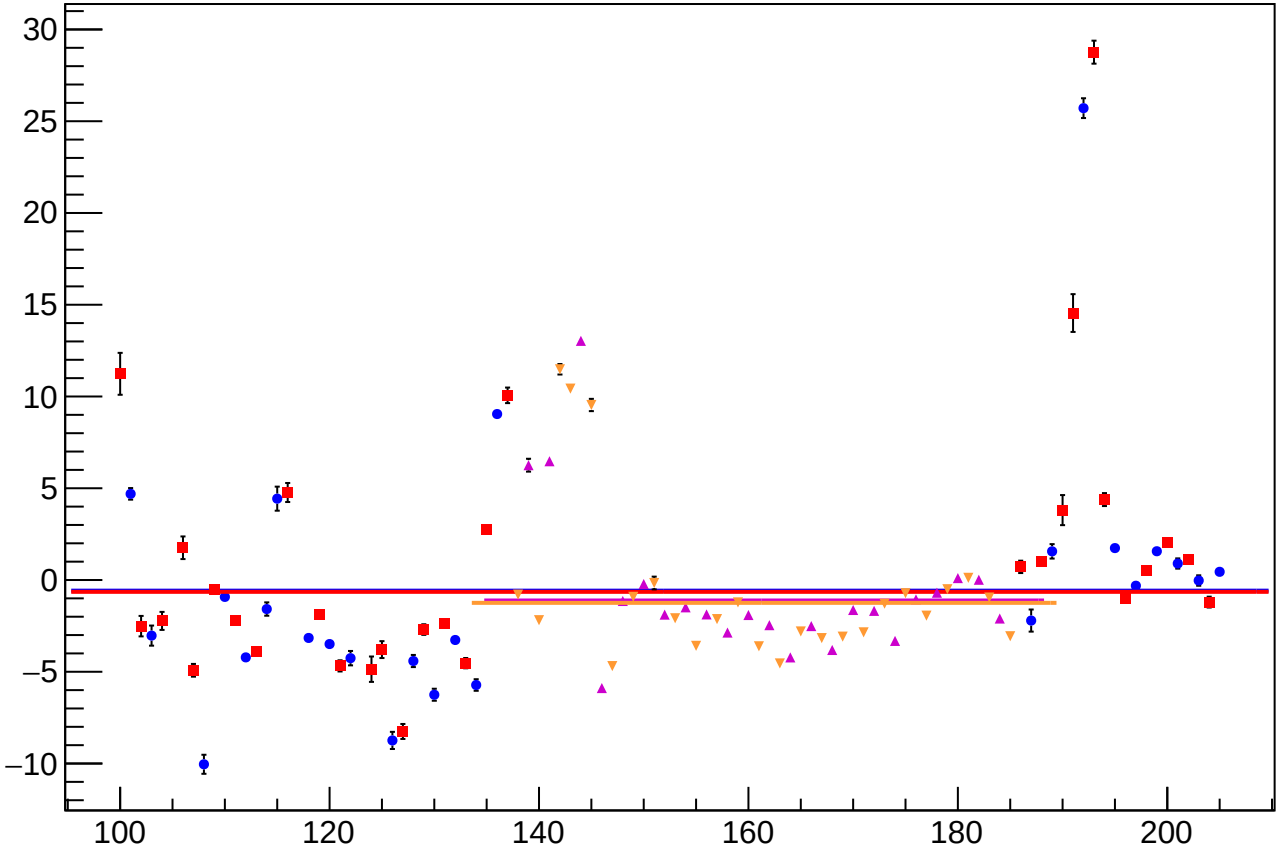
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.221+/-0.030 χ^2/NDF: 281361.7/49

All: -0.907+/-0.021 χ^2/NDF: 522124.1/102

- sign -0.630+/-0.029 χ^2/NDF: 240562.0/52

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.580+/-0.058 χ^2/NDF: 7168.9/24

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

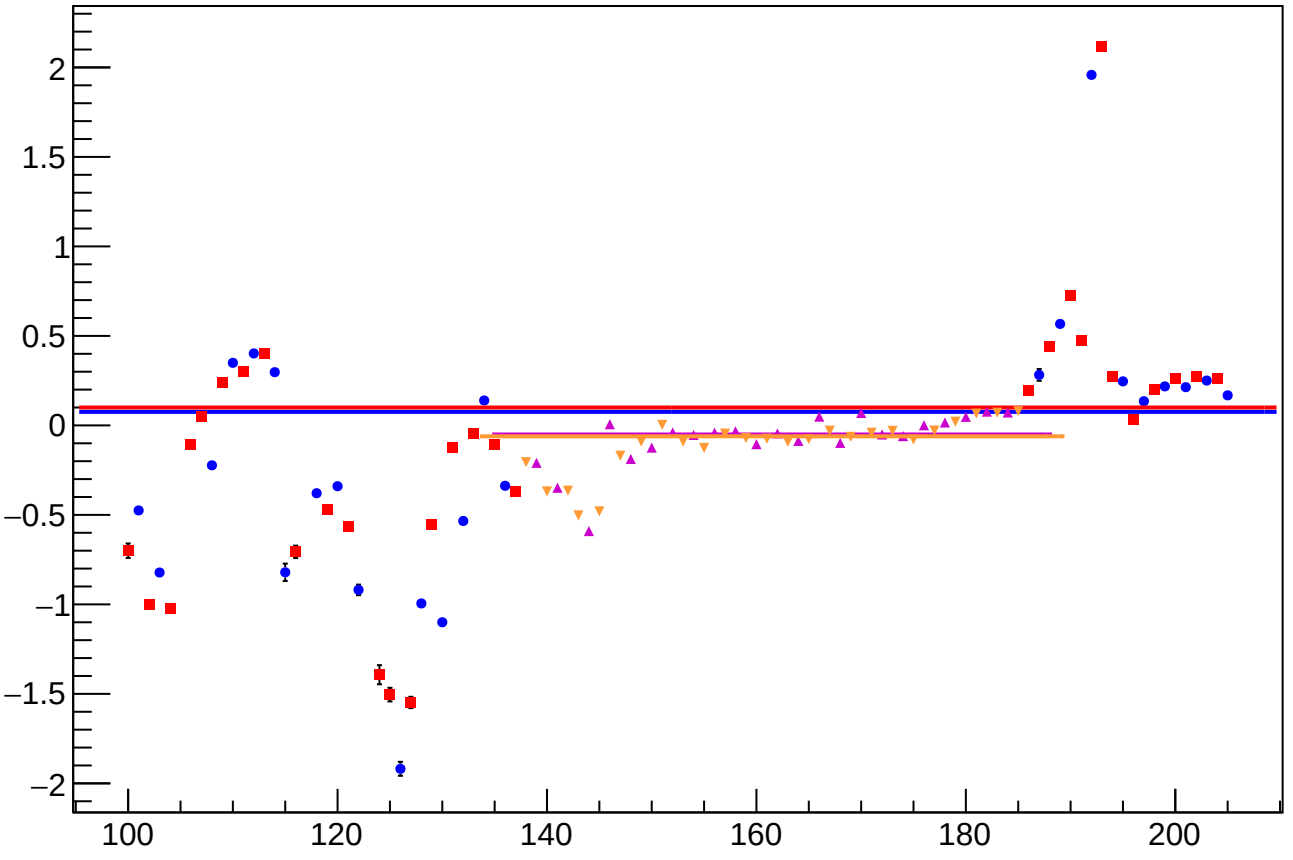
Right Out: -0.644+/-0.055 χ^2/NDF: 5453.8/29

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.048+/-0.031 χ^2/NDF: 14031.1/49

All: -1.010+/-0.022 χ^2/NDF: 26380.0/102

- sign -0.975+/-0.030 χ^2/NDF: 12346.1/52



Right In: 0.076+/-0.003 χ^2/NDF: 33179.6/24

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

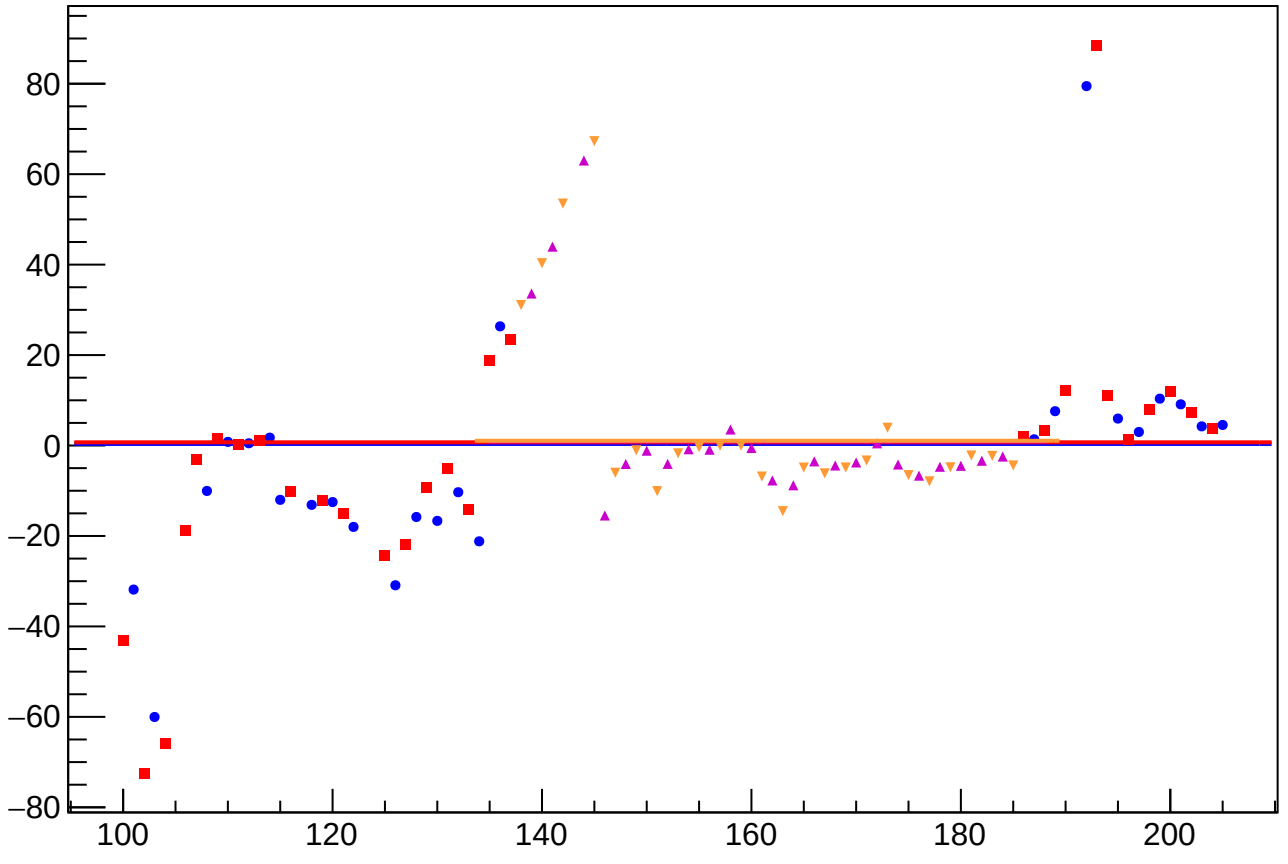
Right Out: 0.100+/-0.003 χ^2/NDF: 33548.4/29

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.022+/-0.001 χ^2/NDF: 40651.3/49

All: -0.015+/-0.001 χ^2/NDF: 81740.0/102

- sign -0.009+/-0.001 χ^2/NDF: 41044.3/52



Right In: 0.350+/-0.042 χ^2/NDF: 119317.7/24

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

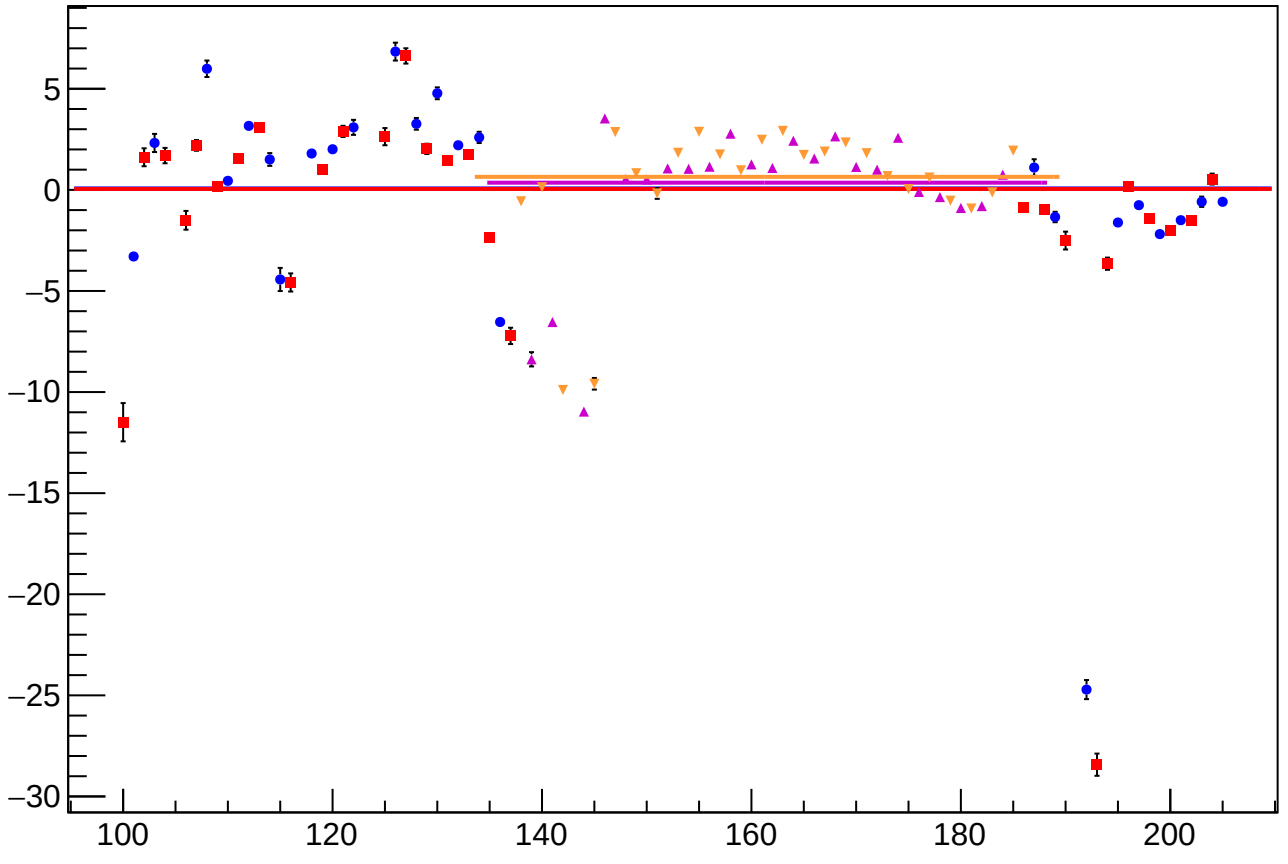
Right Out: 0.710+/-0.037 χ^2/NDF: 117749.9/27

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.714+/-0.029 χ^2/NDF: 250493.8/48

All: 0.762+/-0.020 χ^2/NDF: 501070.2/99

- sign 0.803+/-0.027 χ^2/NDF: 250571.3/50



Right In: 0.070+/-0.048 χ^2/NDF: 5963.5/24

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

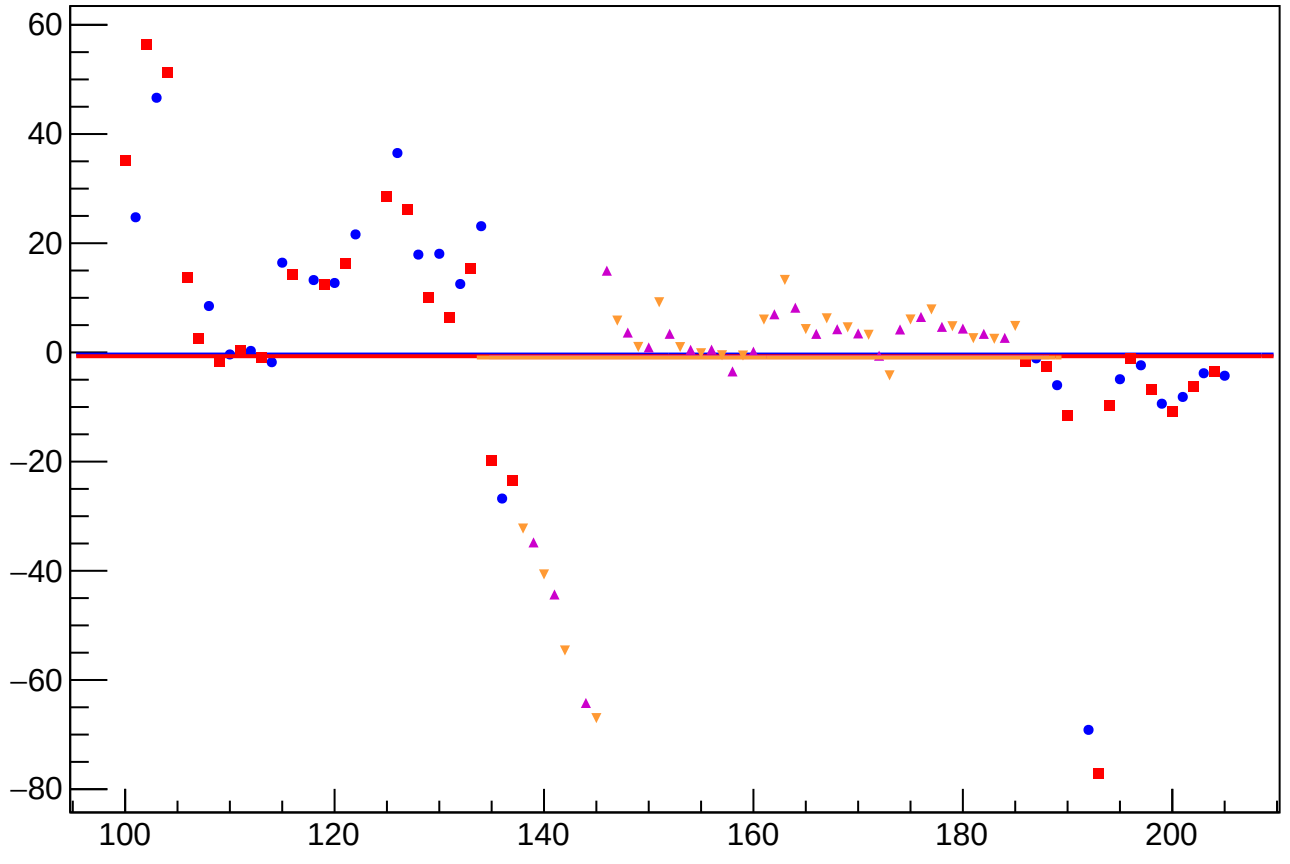
Right Out: 0.046+/-0.046 χ^2/NDF: 4981.2/27

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.459+/-0.027 χ^2/NDF: 10770.9/48

All: 0.352+/-0.019 χ^2/NDF: 22929.5/99

- sign 0.256+/-0.026 χ^2/NDF: 12129.6/50



Right In: -0.392+/-0.044 χ^2/NDF: 118236.1/24

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

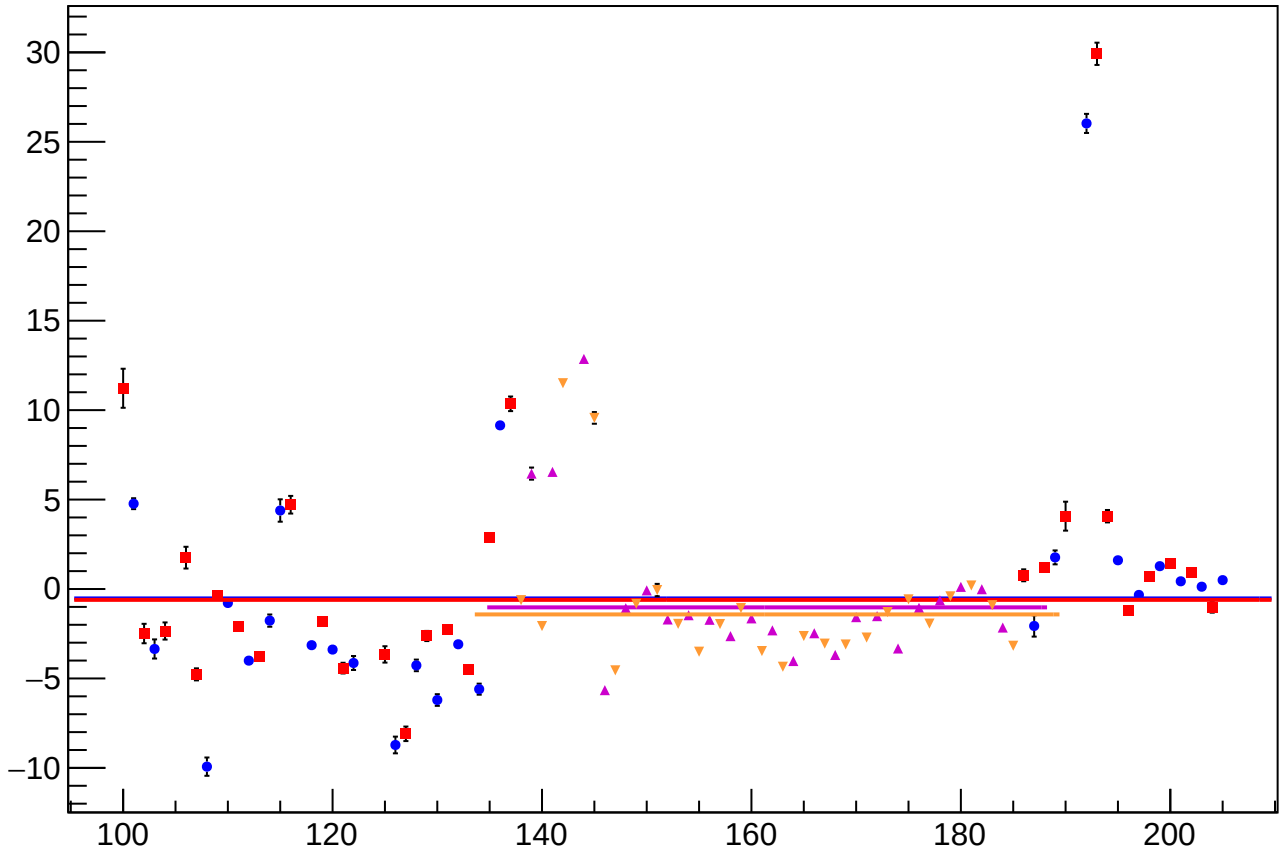
Right Out: -0.697+/-0.039 χ^2/NDF: 116229.2/27

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign -0.681+/-0.030 χ^2/NDF: 244695.9/48

All: -0.733+/-0.020 χ^2/NDF: 490424.6/99

\- sign -0.779+/-0.028 χ^2/NDF: 245722.8/50



Right In: -0.526+/-0.056 χ^2/NDF: 7449.6/24

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

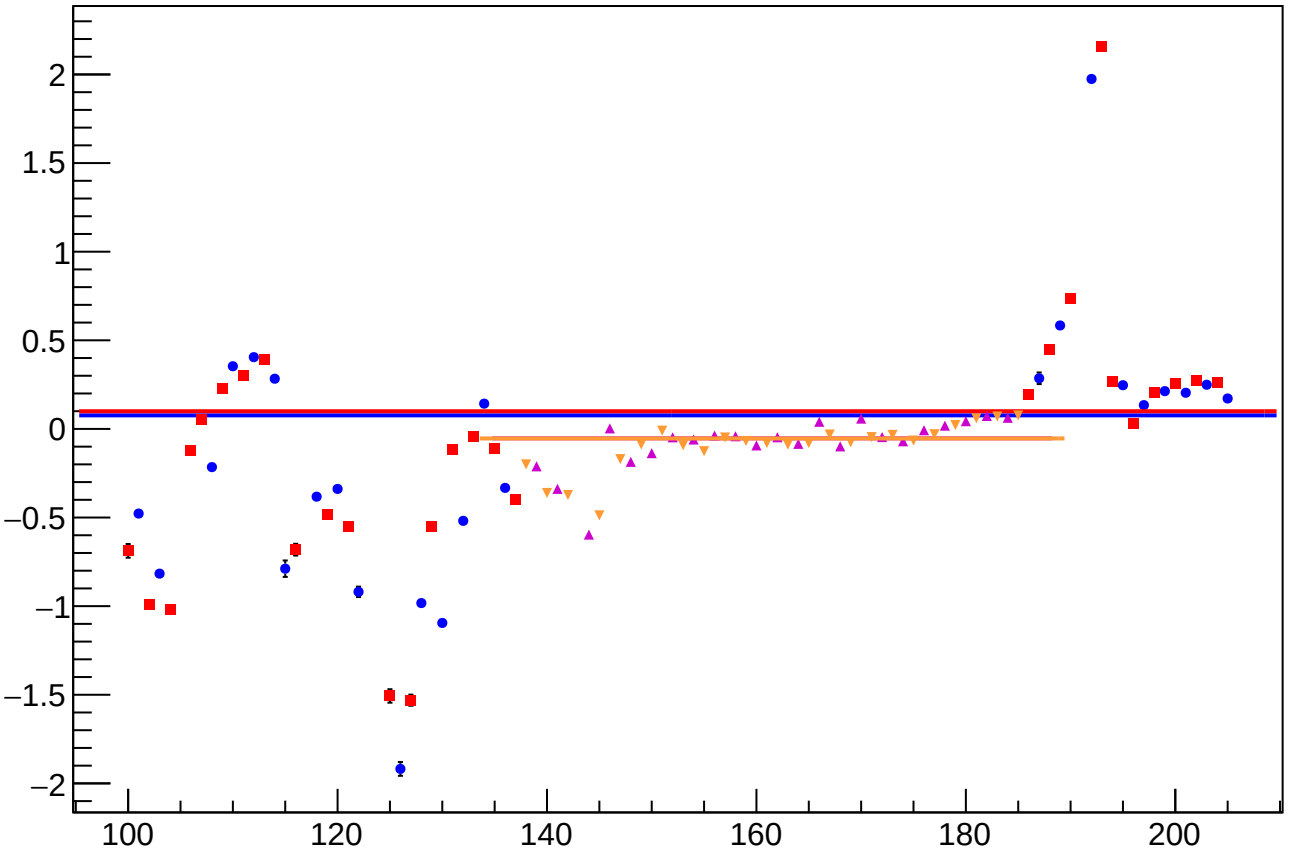
Right Out: -0.606+/-0.053 χ^2/NDF: 5503.1/27

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.153+/-0.031 χ^2/NDF: 12269.8/48

All: -1.020+/-0.021 χ^2/NDF: 24899.1/99

- sign -0.901+/-0.029 χ^2/NDF: 12593.8/50



Right In: 0.077+/-0.003 χ^2/NDF: 34309.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

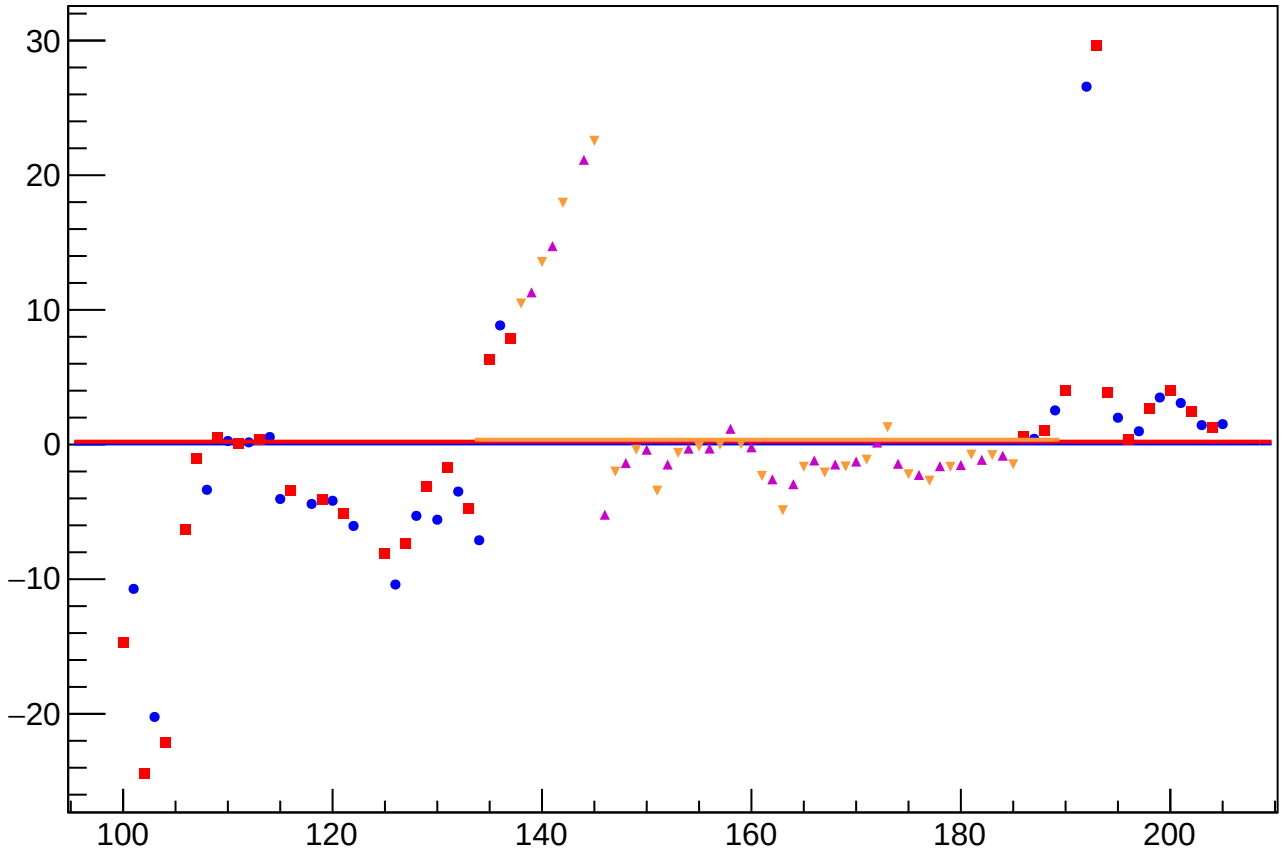
Right Out: 0.100+/-0.002 χ^2/NDF: 34002.6/27

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.016+/-0.001 χ^2/NDF: 40558.1/48

All: -0.014+/-0.001 χ^2/NDF: 82431.0/99

- sign -0.012+/-0.001 χ^2/NDF: 41866.6/50



Right In: 0.083+/-0.014 χ^2/NDF: 117248.8/24

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

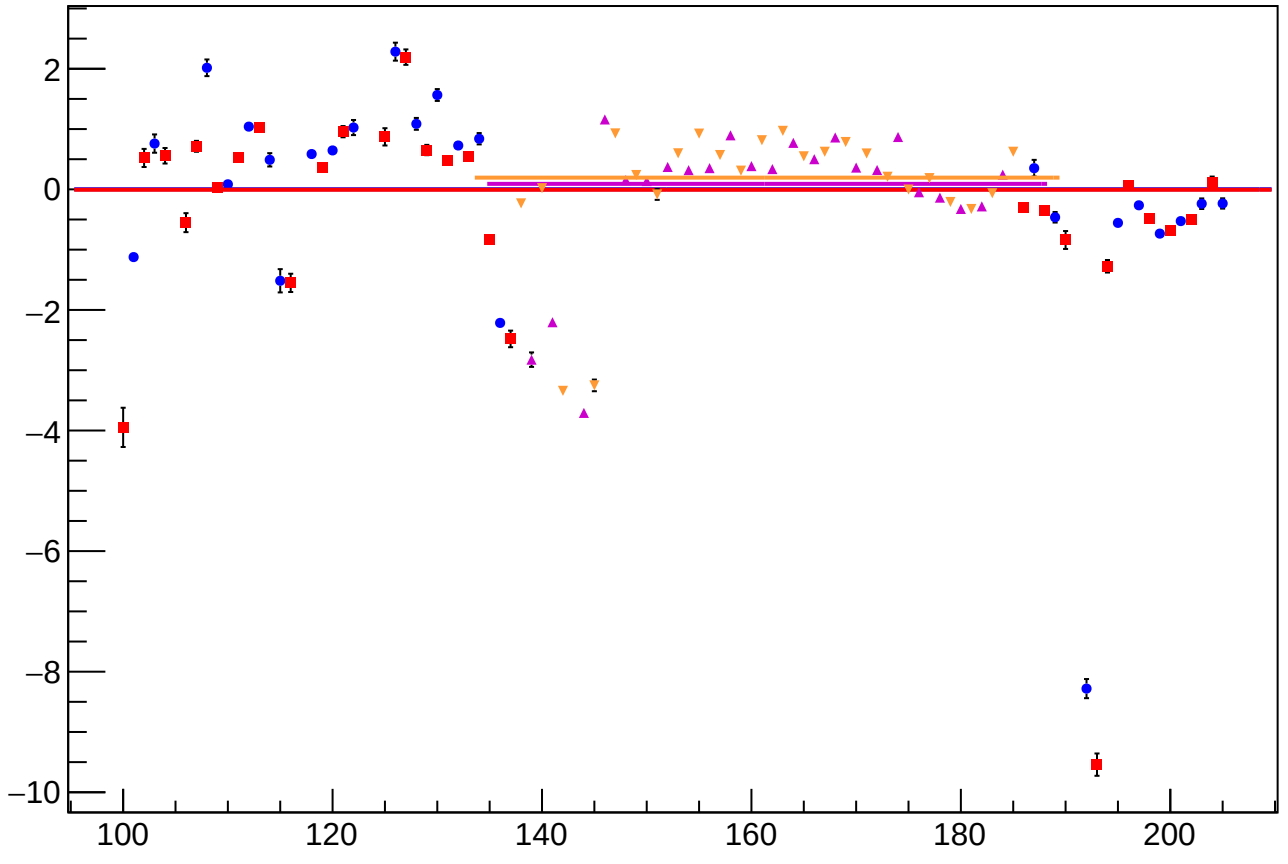
Right Out: 0.213+/-0.013 χ^2/NDF: 115936.4/27

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.226+/-0.010 χ^2/NDF: 246268.9/48

All: 0.245+/-0.007 χ^2/NDF: 492467.5/99

- sign 0.261+/-0.009 χ^2/NDF: 246192.0/50



Right In: 0.002+/-0.016 χ^2/NDF: 5835.8/24

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

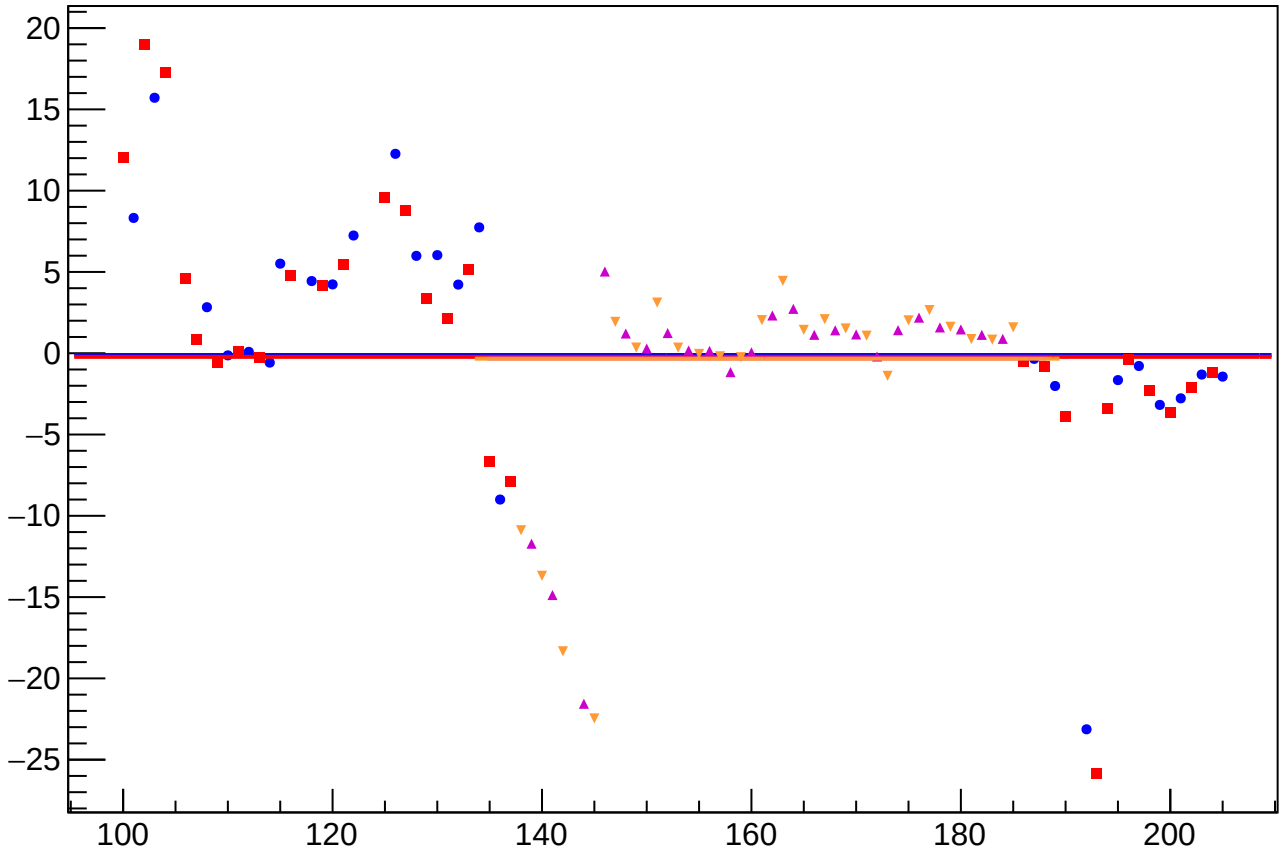
Right Out: -0.007+/-0.016 χ^2/NDF: 4886.5/27

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.133+/-0.009 χ^2/NDF: 10573.6/48

All: 0.094+/-0.006 χ^2/NDF: 22455.1/99

- sign 0.060+/-0.009 χ^2/NDF: 11849.5/50



Right In: -0.111+/-0.015 χ^2/NDF: 116205.3/24

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

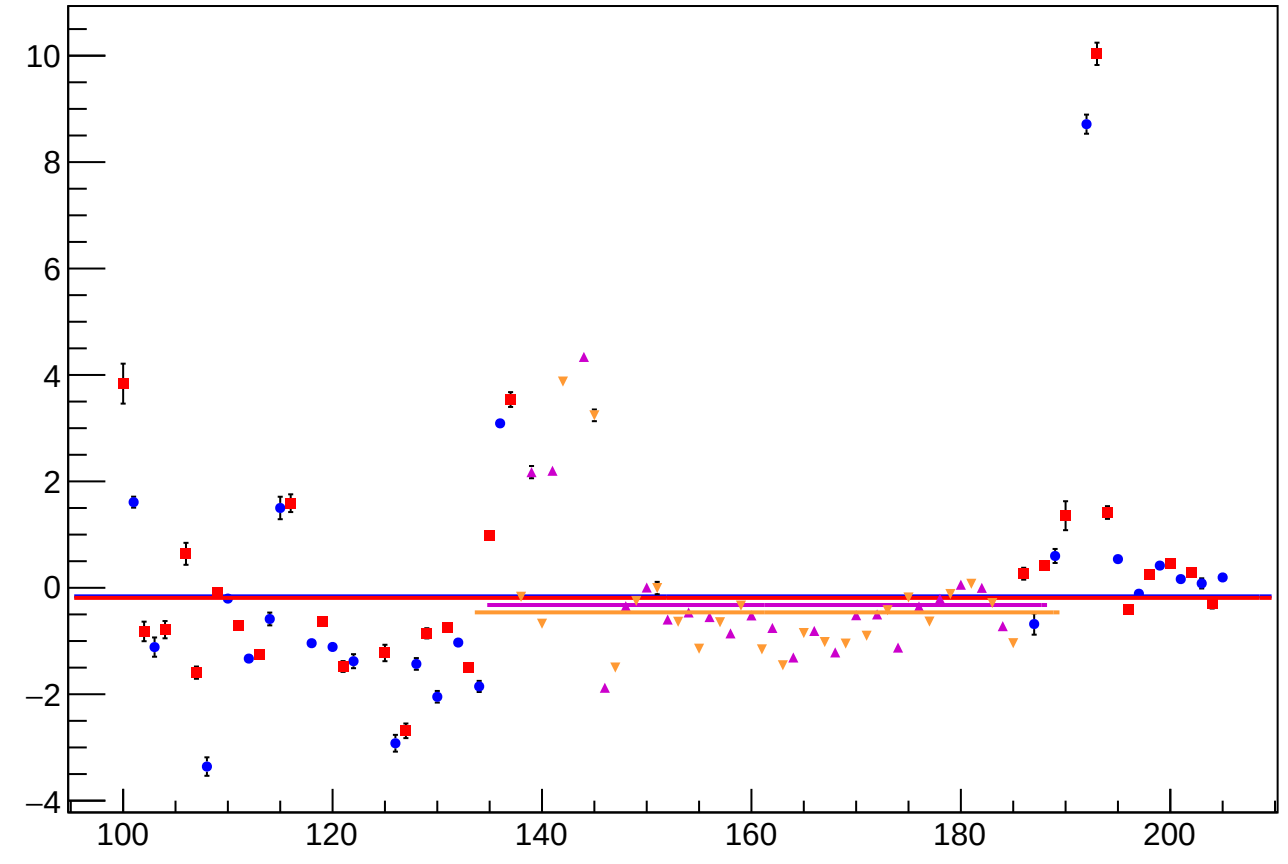
Right Out: -0.222+/-0.013 χ^2/NDF: 114466.1/27

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.230+/-0.010 χ^2/NDF: 240556.5/48

All: -0.250+/-0.007 χ^2/NDF: 482052.3/99

- sign -0.268+/-0.010 χ^2/NDF: 241488.5/50



Right In: -0.161+/-0.019 χ^2/NDF: 7293.9/24

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

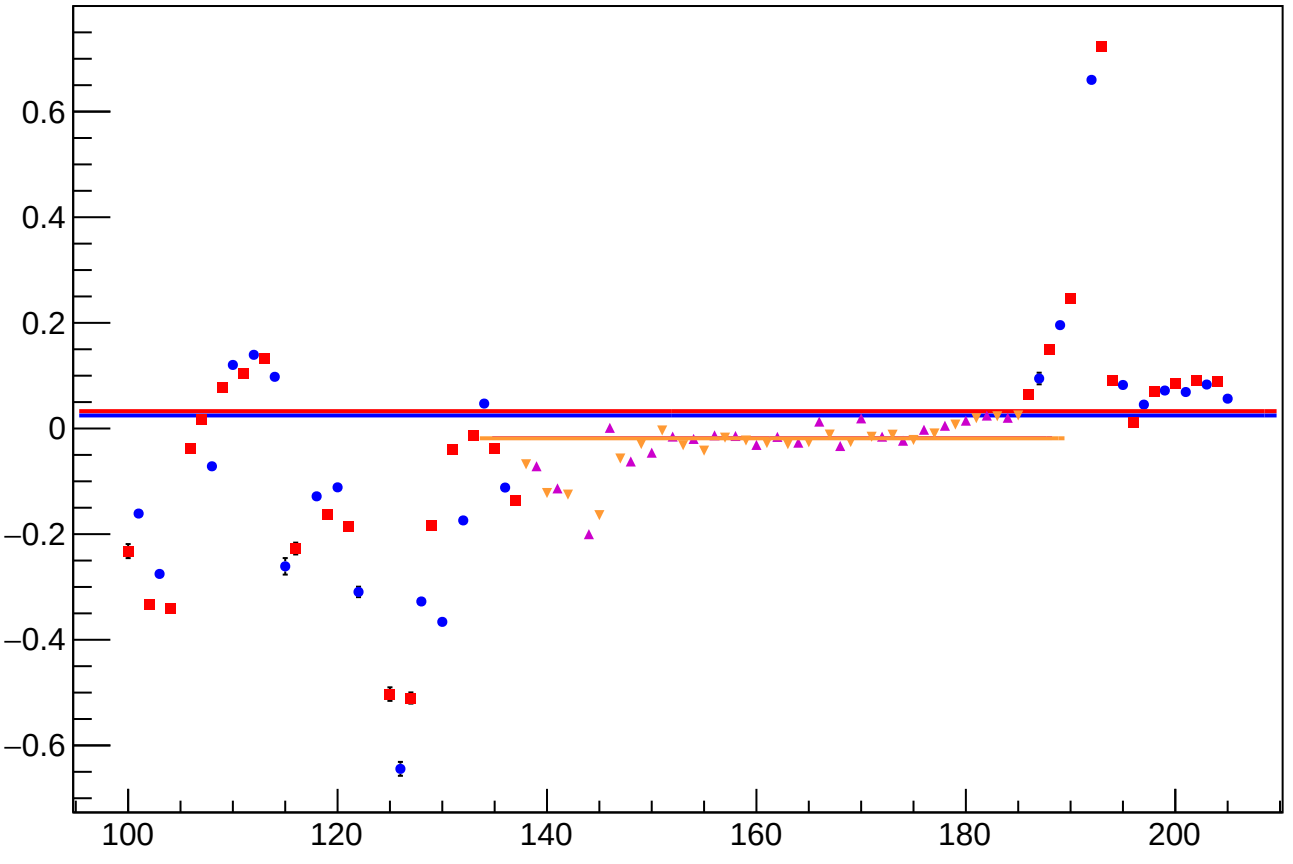
Right Out: -0.189+/-0.018 χ^2/NDF: 5407.0/27

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.372+/-0.010 χ^2/NDF: 12046.1/48

All: -0.325+/-0.007 χ^2/NDF: 24410.0/99

- sign -0.283+/-0.010 χ^2/NDF: 12326.4/50



Right In: 0.025+/-0.001 χ^2/NDF: 33720.5/24

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

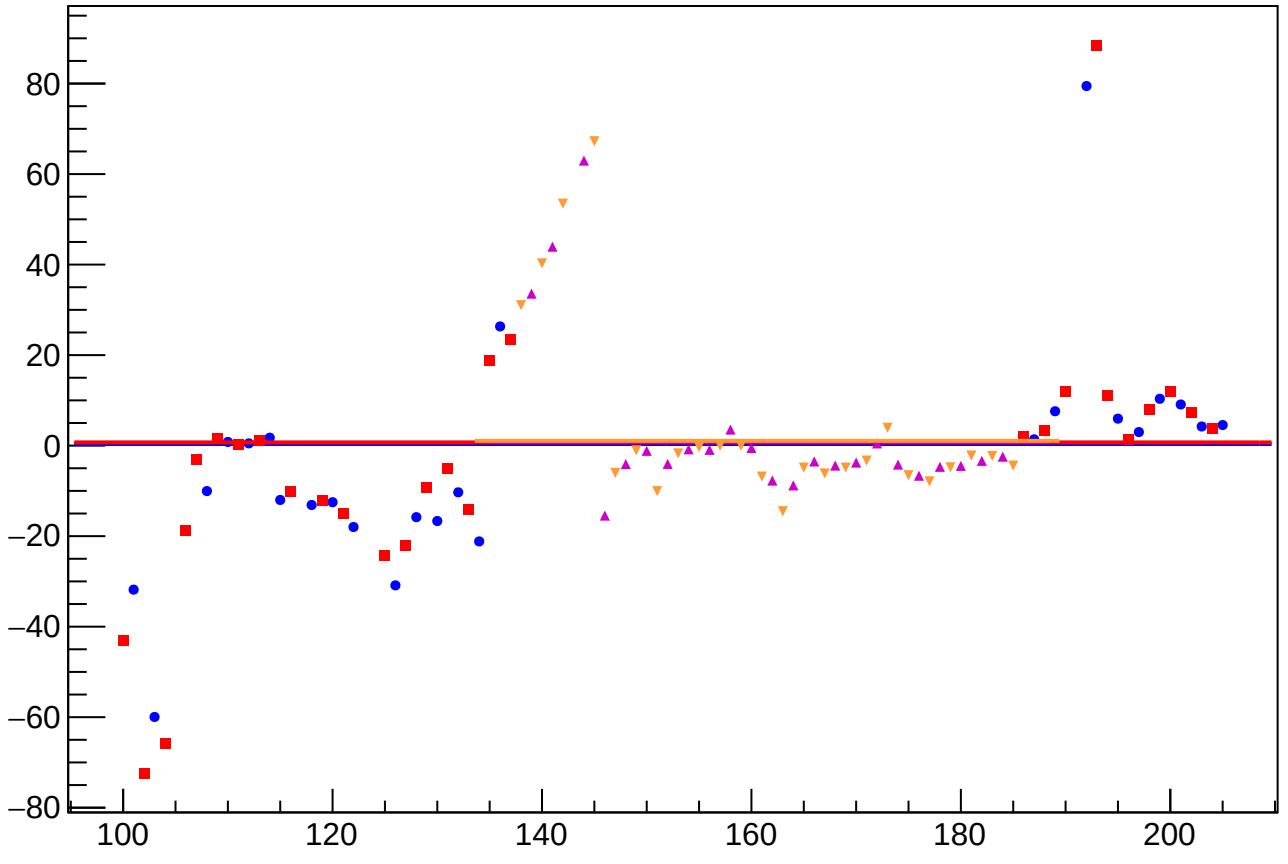
Right Out: 0.033+/-0.001 χ^2/NDF: 33384.4/27

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.006+/-0.000 χ^2/NDF: 39735.8/48

All: -0.005+/-0.000 χ^2/NDF: 80682.7/99

- sign -0.004+/-0.000 χ^2/NDF: 40937.3/50



Right In: 0.356+/-0.042 χ^2/NDF: 119338.3/24

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

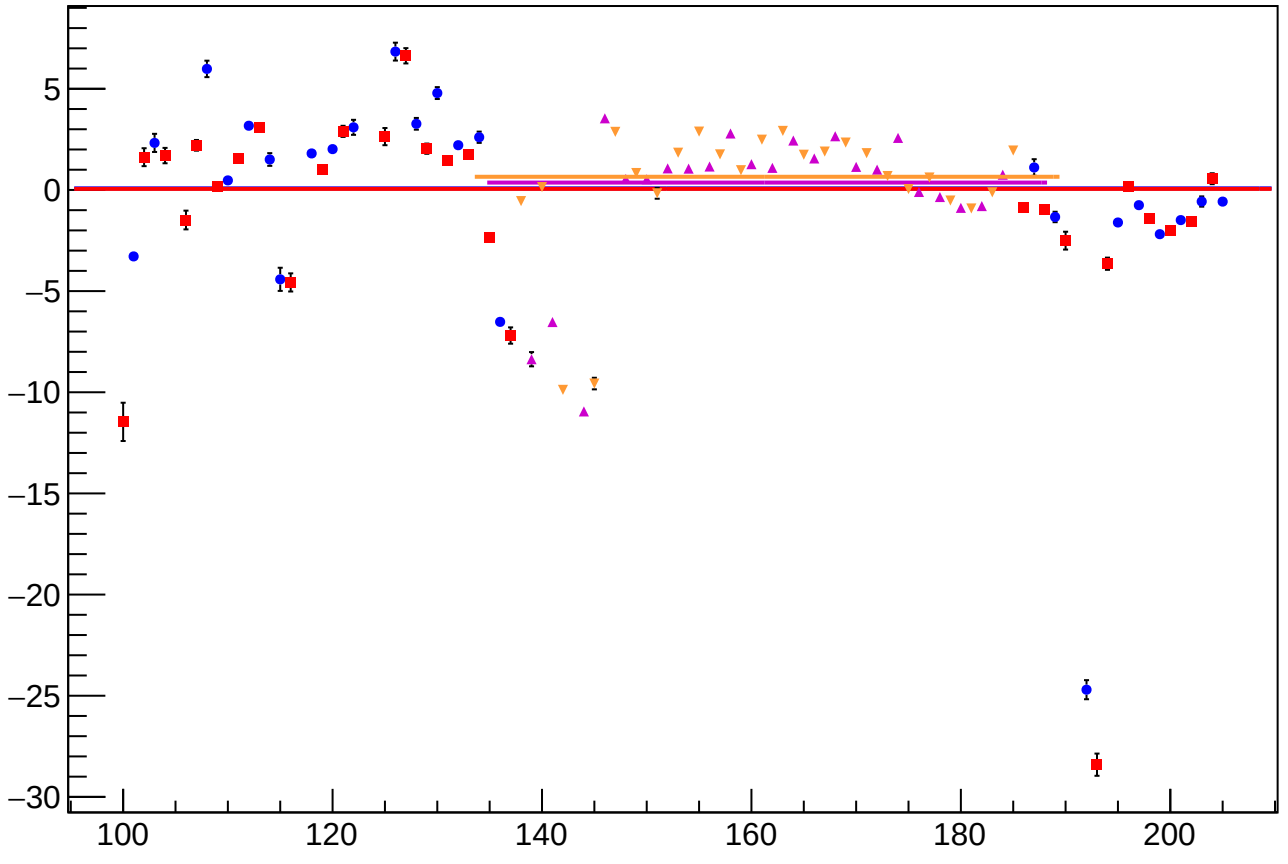
Right Out: 0.714+/-0.037 χ^2/NDF: 117766.4/27

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.719+/-0.029 χ^2/NDF: 250493.4/48

All: 0.766+/-0.020 χ^2/NDF: 501094.7/99

- sign 0.807+/-0.027 χ^2/NDF: 250596.4/50



Right In: 0.078+/-0.048 χ^2/NDF: 5967.3/24

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

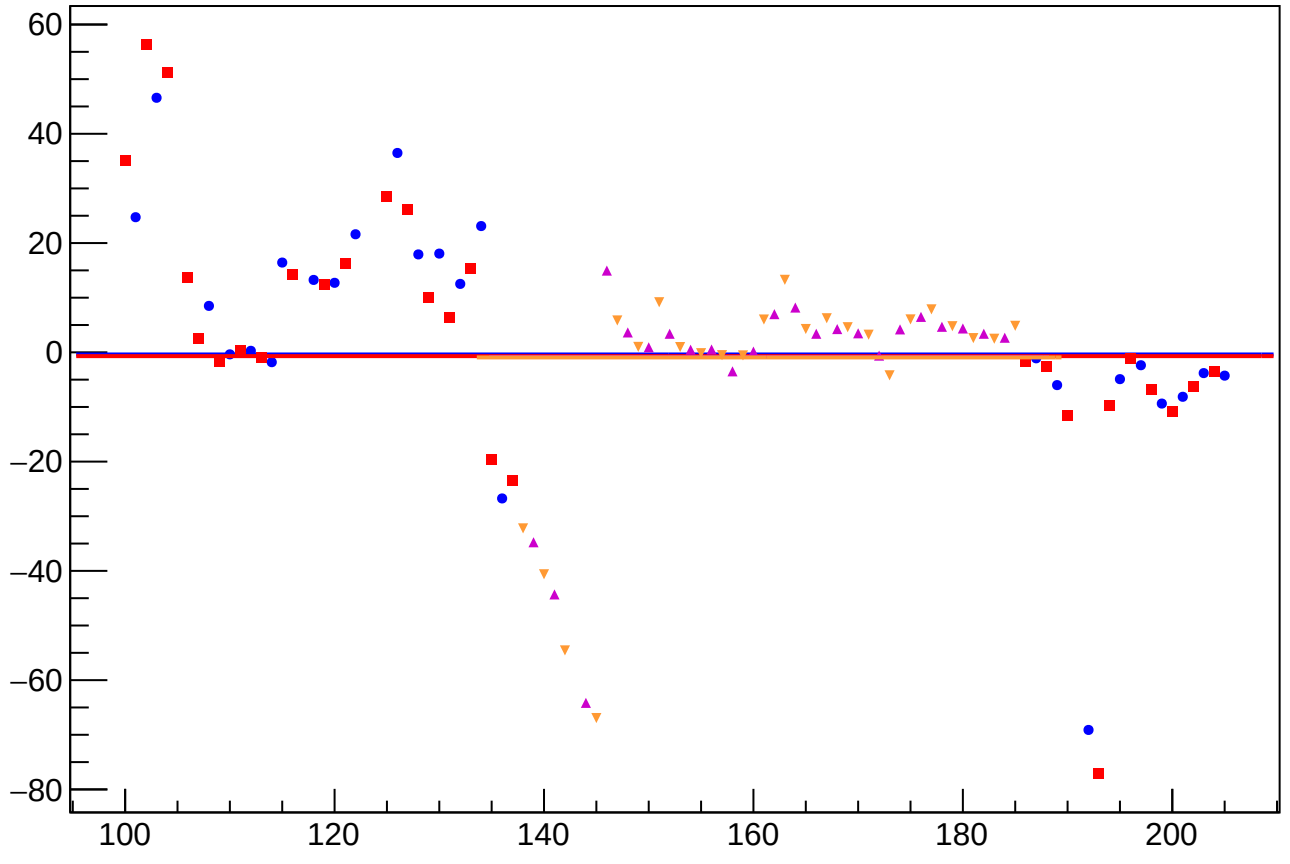
Right Out: 0.053+/-0.046 χ^2/NDF: 4983.0/27

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.467+/-0.027 χ^2/NDF: 10772.4/48

All: 0.360+/-0.019 χ^2/NDF: 22938.6/99

- sign 0.264+/-0.026 χ^2/NDF: 12137.2/50



Right In: -0.393+/-0.044 χ^2/NDF: 118254.2/24

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

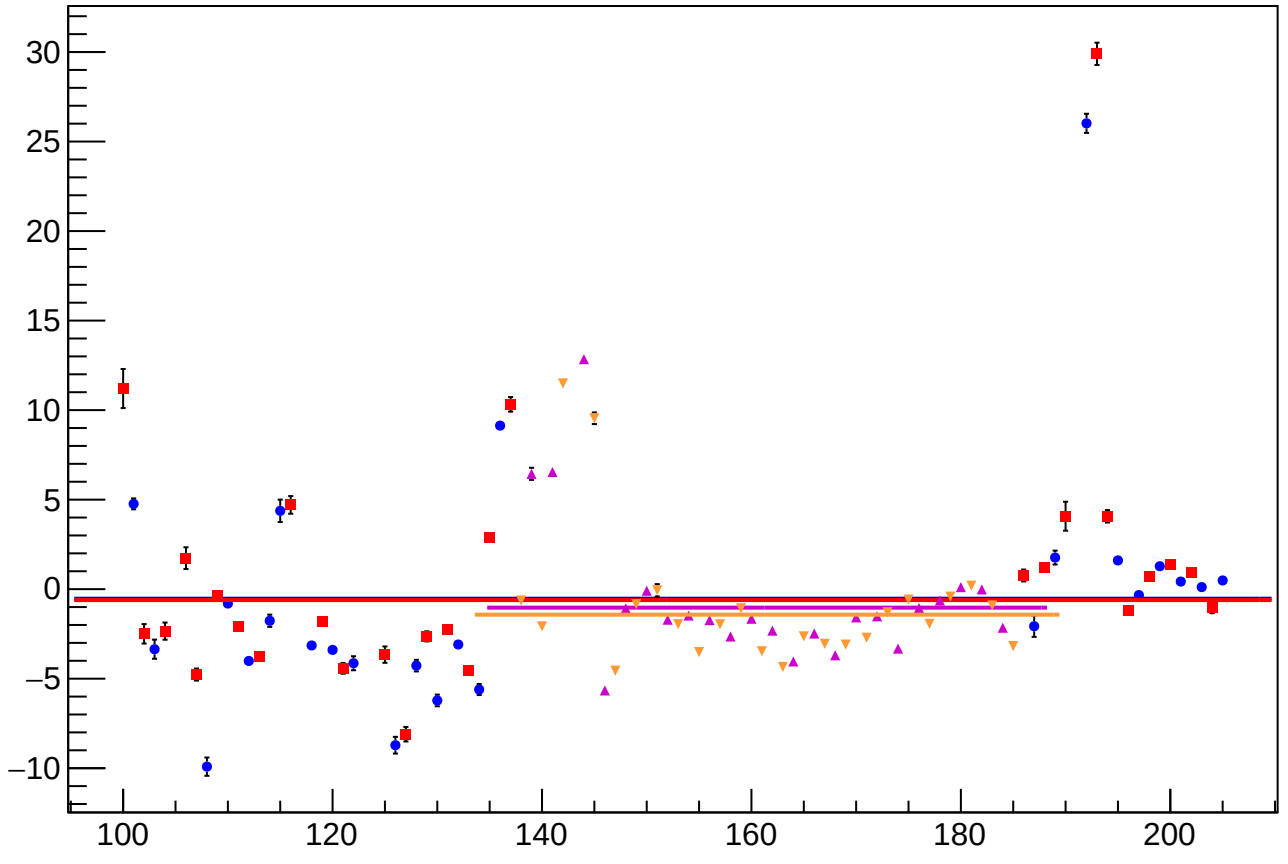
Right Out: -0.696+/-0.039 χ^2/NDF: 116241.6/27

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign -0.680+/-0.030 χ^2/NDF: 244694.7/48

All: -0.732+/-0.020 χ^2/NDF: 490441.3/99

\- sign -0.777+/-0.028 χ^2/NDF: 245740.9/50



Right In: -0.532+/-0.056 χ^2/NDF: 7452.5/24

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

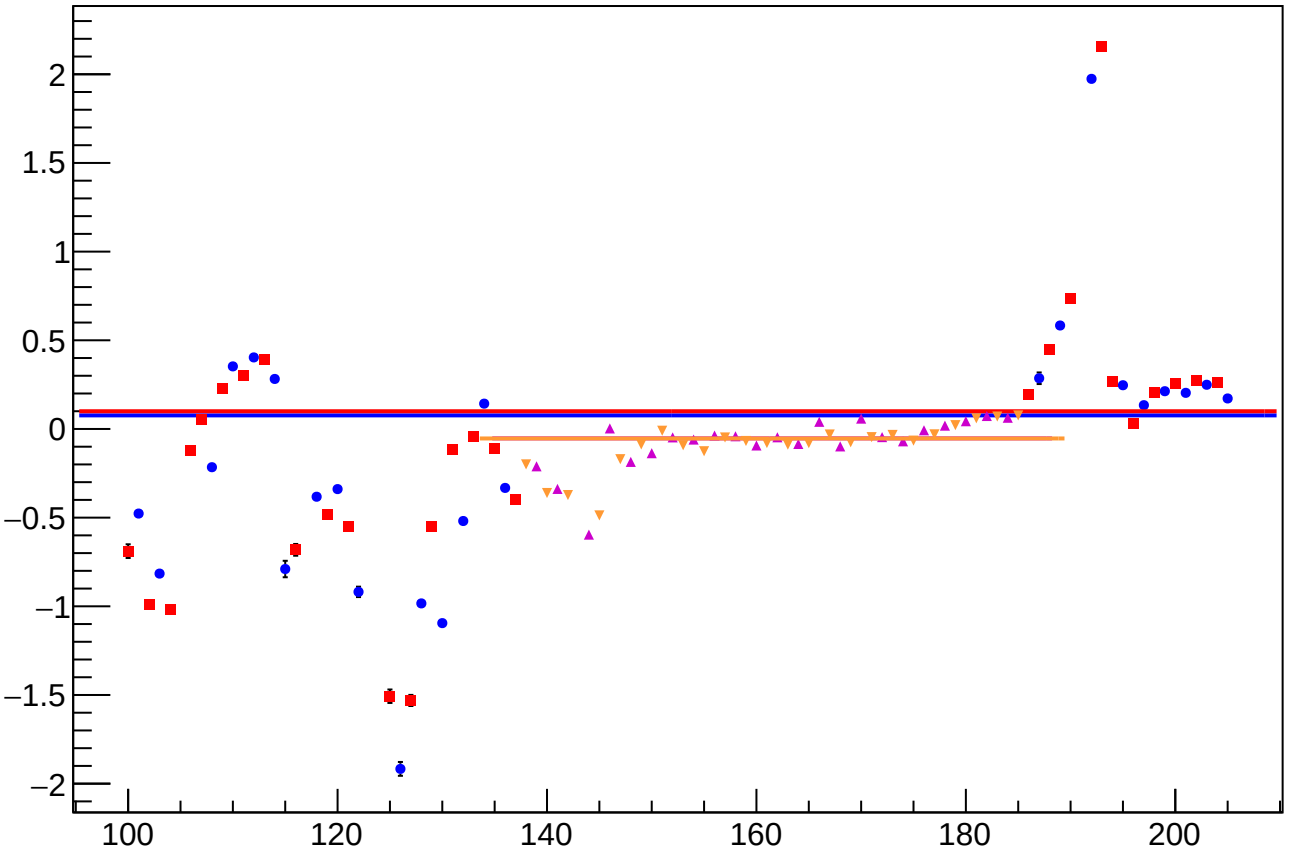
Right Out: -0.610+/-0.053 χ^2/NDF: 5503.2/27

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.157+/-0.031 χ^2/NDF: 12270.1/48

All: -1.025+/-0.021 χ^2/NDF: 24904.2/99

- sign -0.906+/-0.029 χ^2/NDF: 12598.6/50



Right In: 0.077+/-0.003 χ^2/NDF: 34318.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

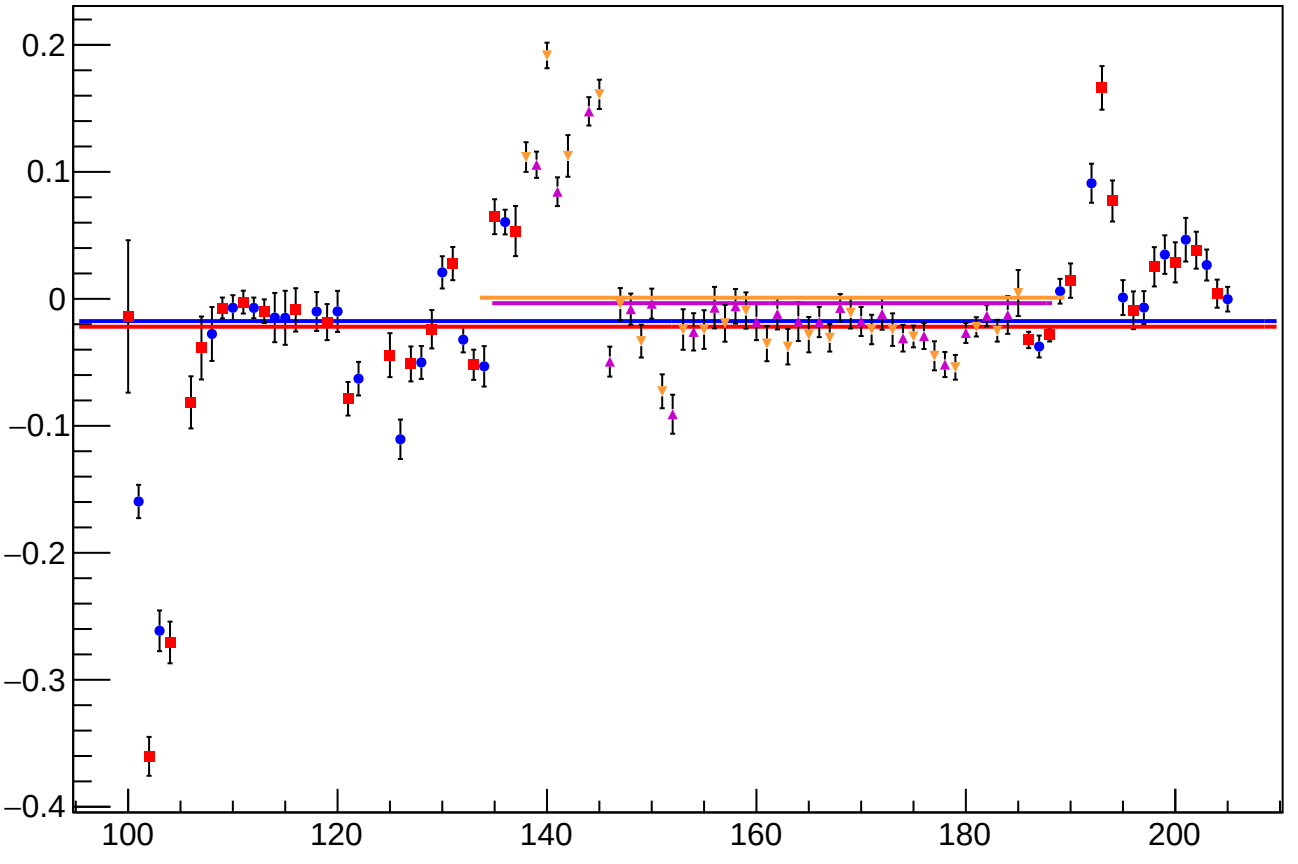
Right Out: 0.100+/-0.002 χ^2/NDF: 34016.4/27

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.016+/-0.001 χ^2/NDF: 40569.5/48

All: -0.014+/-0.001 χ^2/NDF: 82464.9/99

- sign -0.012+/-0.001 χ^2/NDF: 41889.4/50



Right In: -0.018+/-0.002 χ^2/NDF: 593.1/24

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

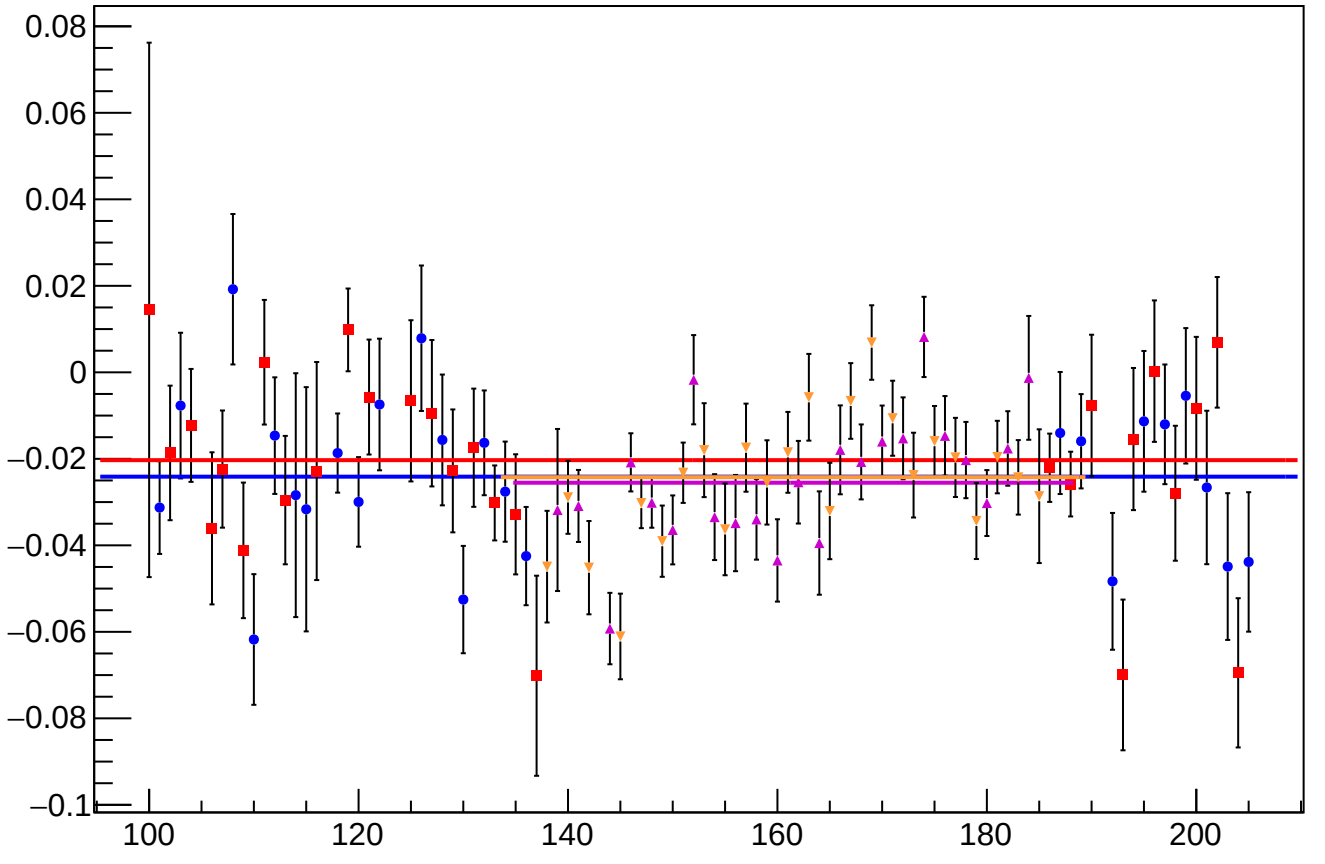
Right Out: -0.022+/-0.002 χ^2/NDF: 1048.8/27

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.008+/-0.002 χ^2/NDF: 1471.3/48

All: -0.011+/-0.001 χ^2/NDF: 3014.5/99

- sign -0.013+/-0.002 χ^2/NDF: 1538.3/50



Right In: -0.024+/-0.003 χ^2/NDF: 37.8/24

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

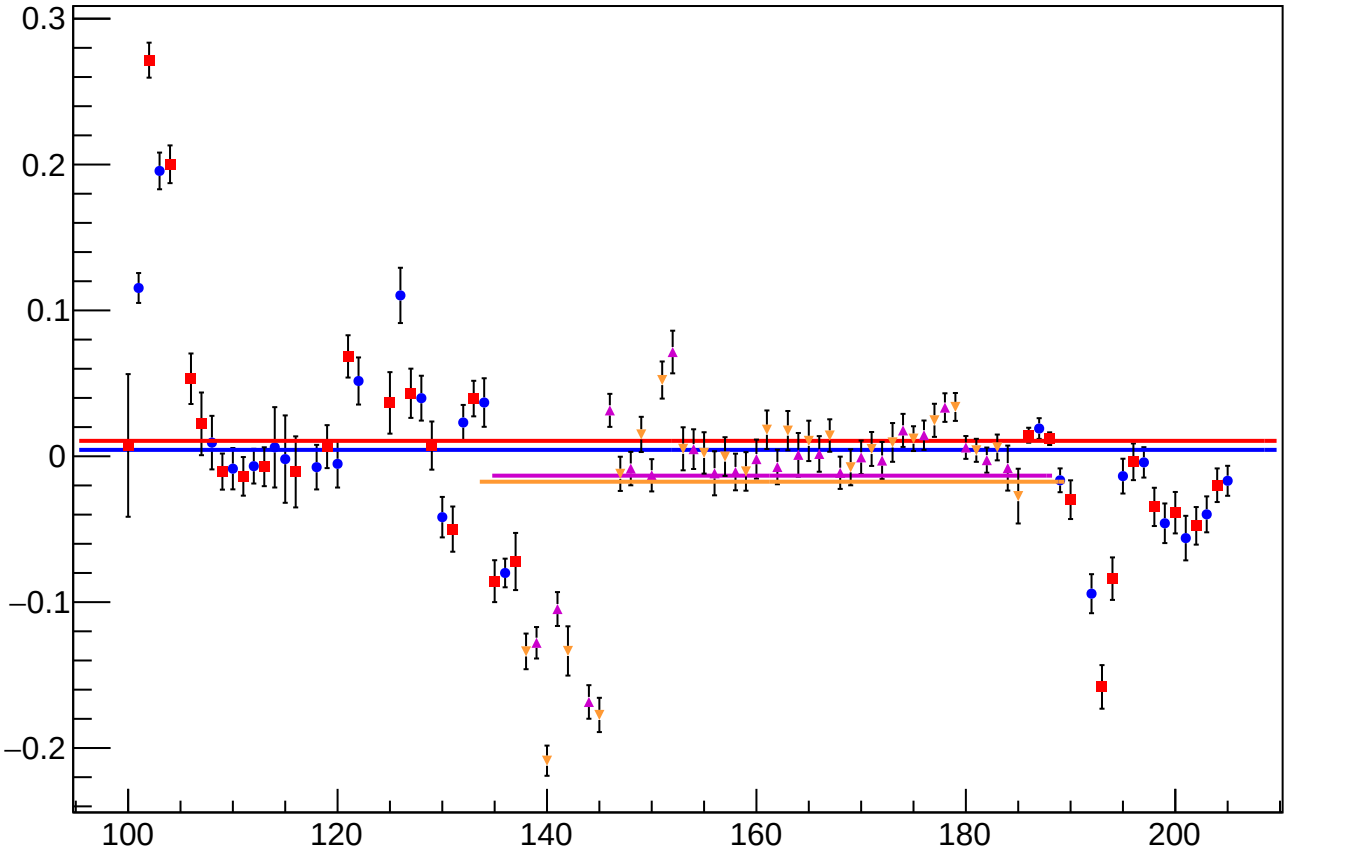
Right Out: -0.020+/-0.003 χ^2/NDF: 48.2/27

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 91.6/48

All: -0.024+/-0.001 χ^2/NDF: 197.5/99

- sign -0.024+/-0.002 χ^2/NDF: 105.9/50



Right In: 0.004+/-0.002 χ^2/NDF: 602.1/24

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

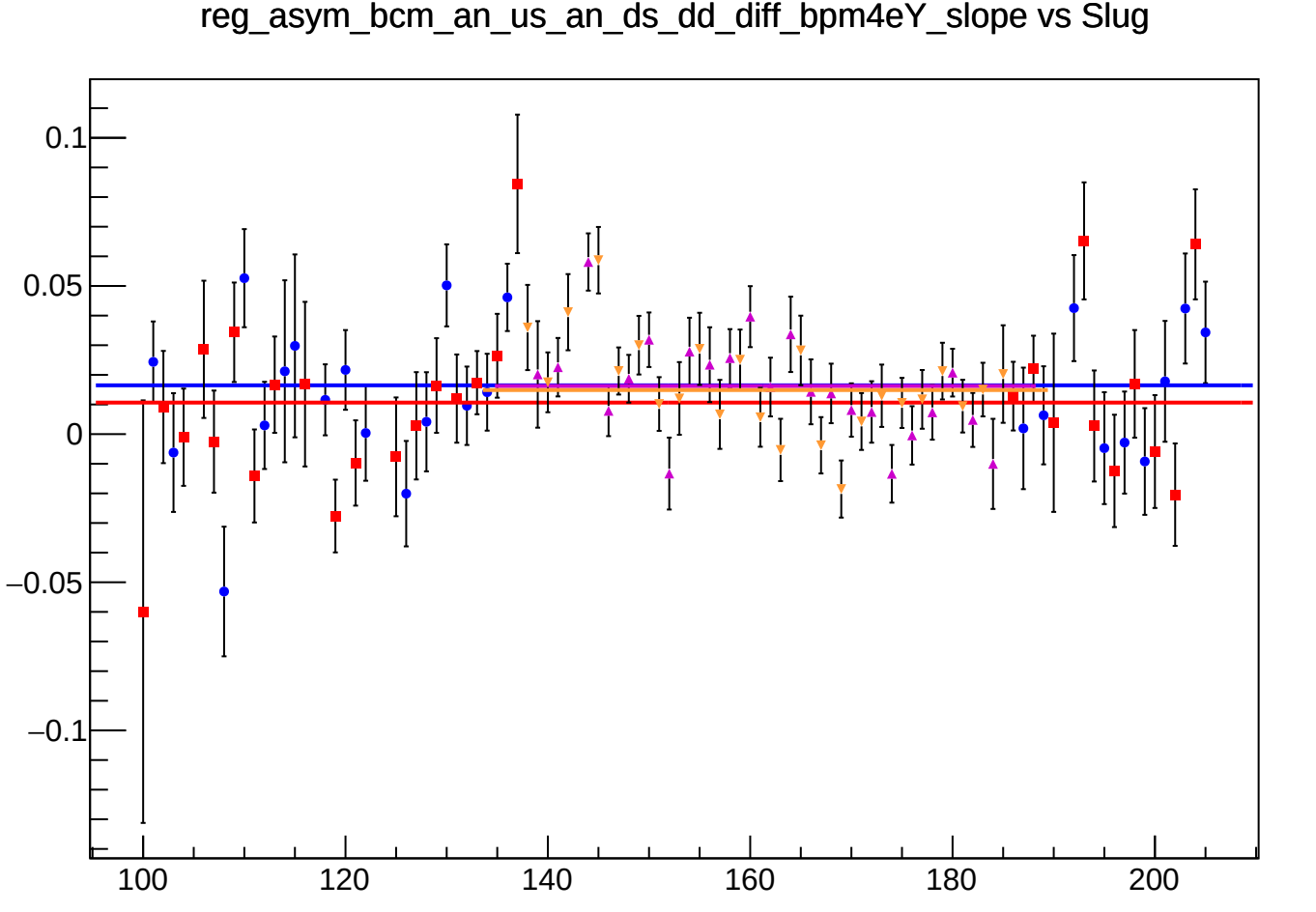
Right Out: 0.011+/-0.002 χ^2/NDF: 1040.2/27

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.007+/-0.002 χ^2/NDF: 1454.3/48

All: -0.003+/-0.001 χ^2/NDF: 3016.2/99

\- sign -0.000+/-0.002 χ^2/NDF: 1553.6/50



Right In: 0.016+/-0.003 χ^2/NDF: 47.3/24

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

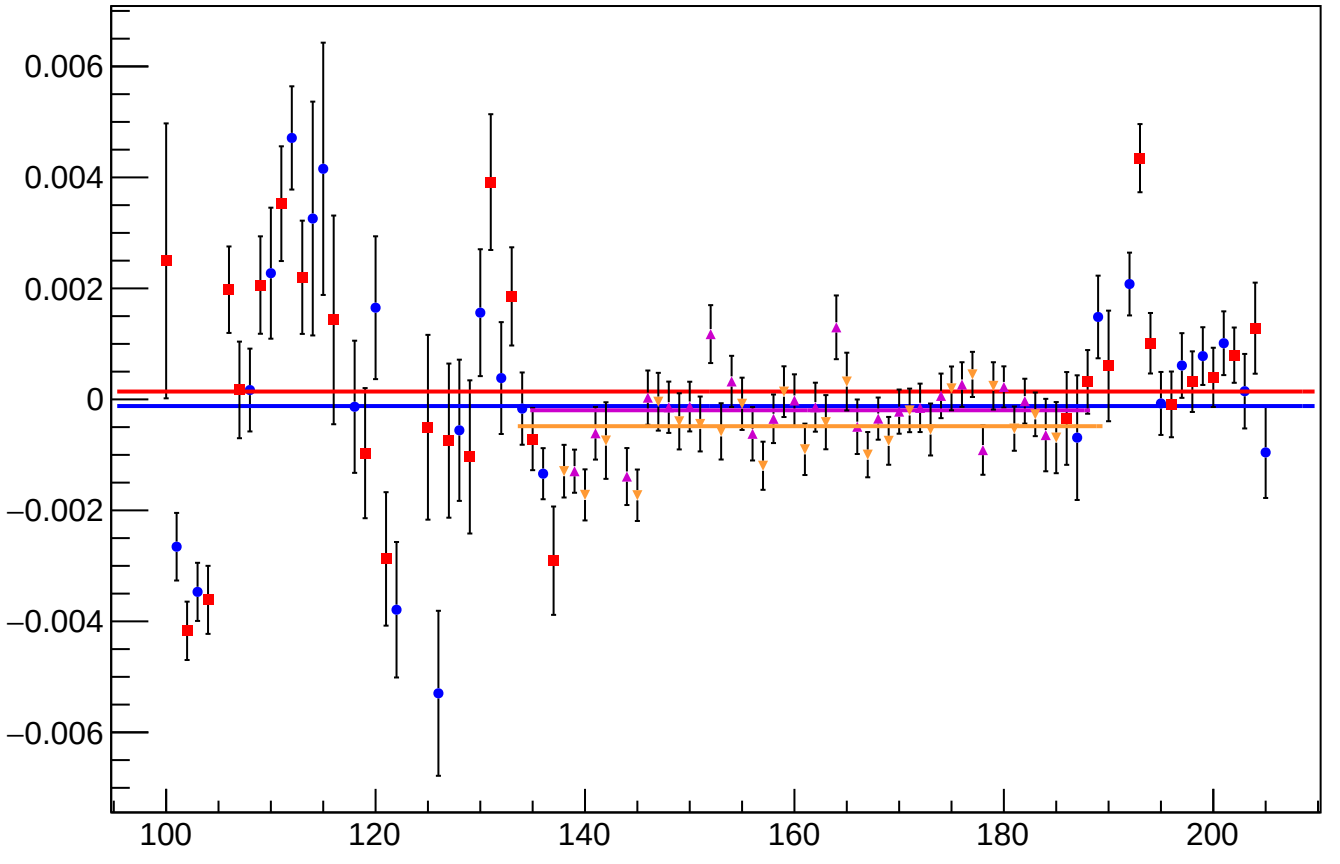
Right Out: 0.011+/-0.003 χ^2/NDF: 54.7/27

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 99.5/48

All: 0.015+/-0.001 χ^2/NDF: 214.5/99

- sign 0.014+/-0.002 χ^2/NDF: 114.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 157.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

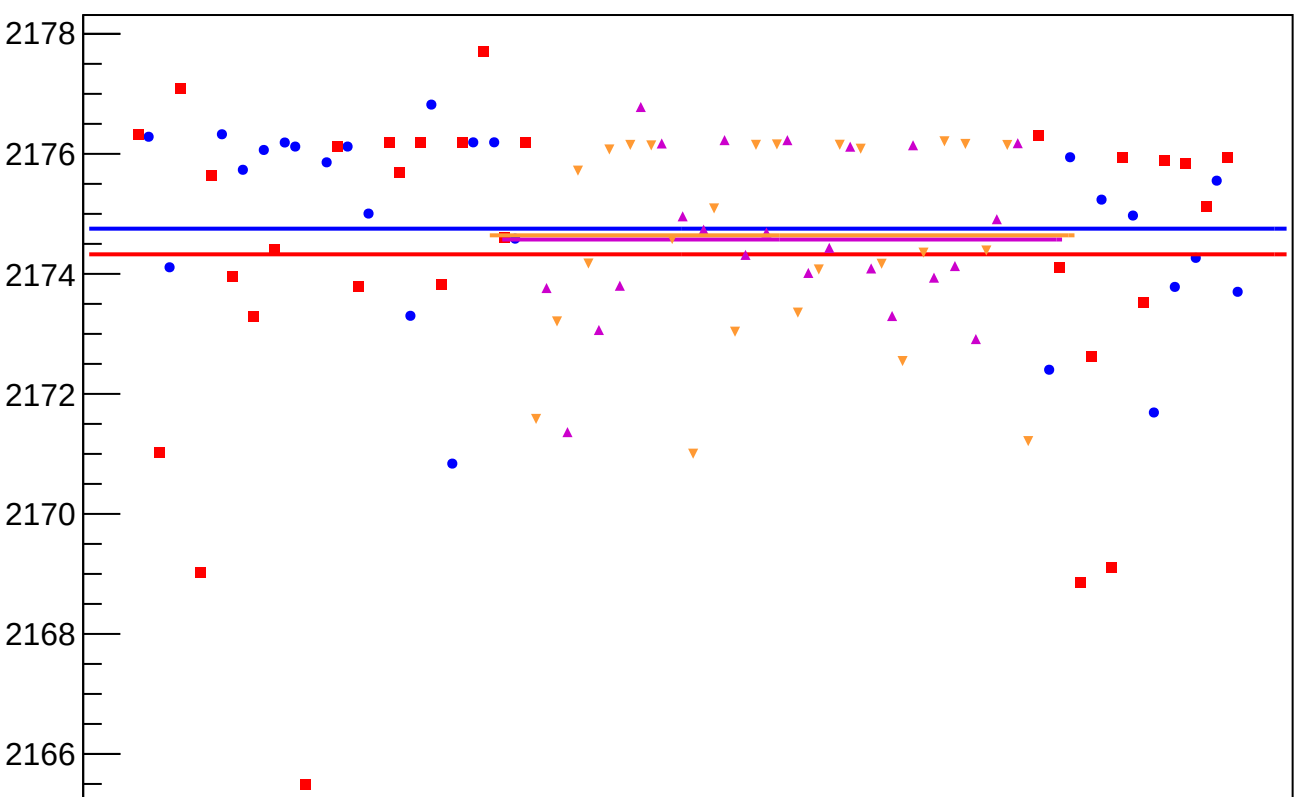
Right Out: 0.000+/-0.000 χ^2/NDF: 219.3/27

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 202.9/48

All: -0.000+/-0.000 χ^2/NDF: 469.8/99

- sign -0.000+/-0.000 χ^2/NDF: 260.4/50



Right In: 2174.753+/-0.000 χ^2/NDF: 319117157177676515226889629781196 8.0/24

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

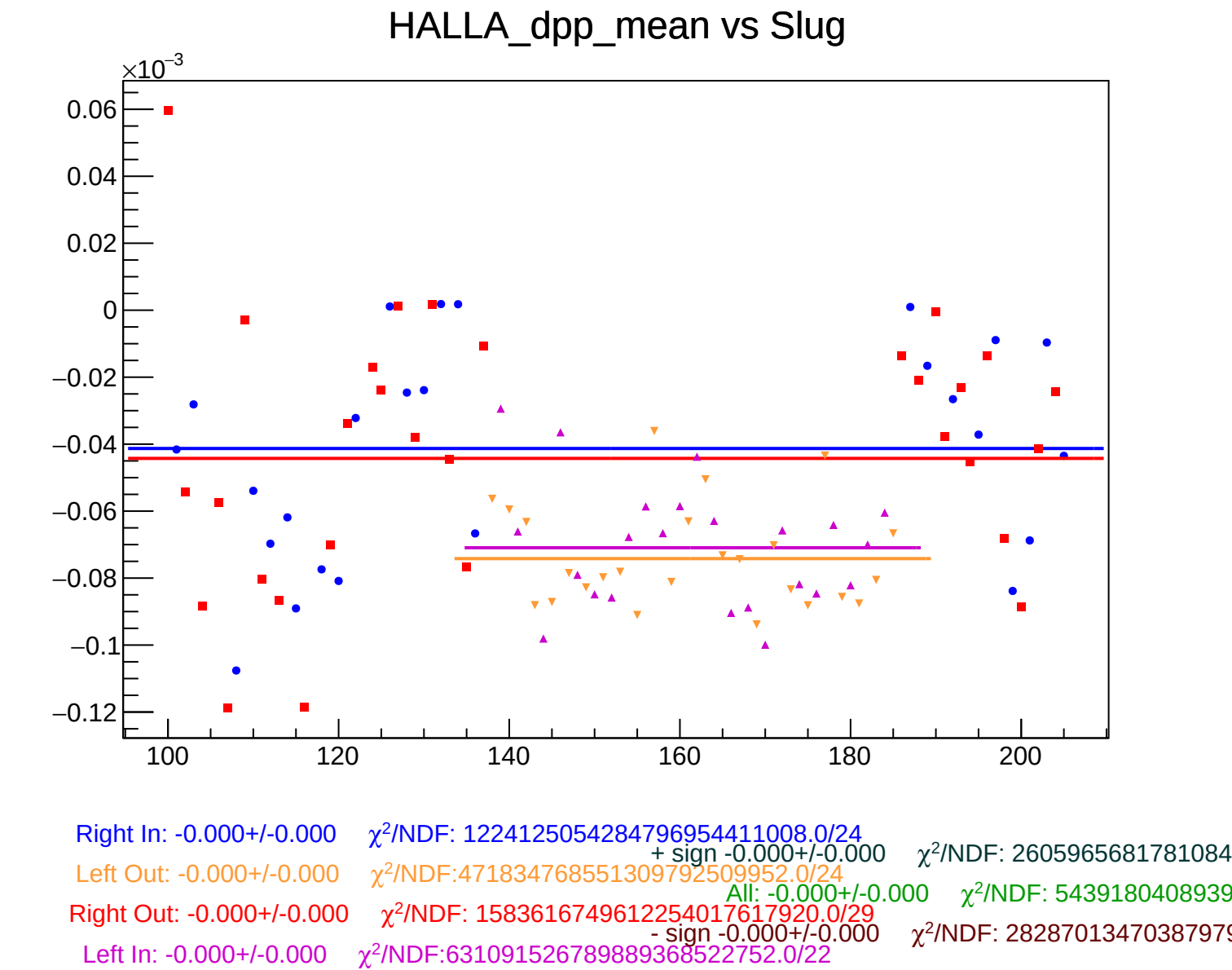
Right Out: 2174.326+/-0.000 χ^2/NDF: 9942443200398645061319069379067904.0/29

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

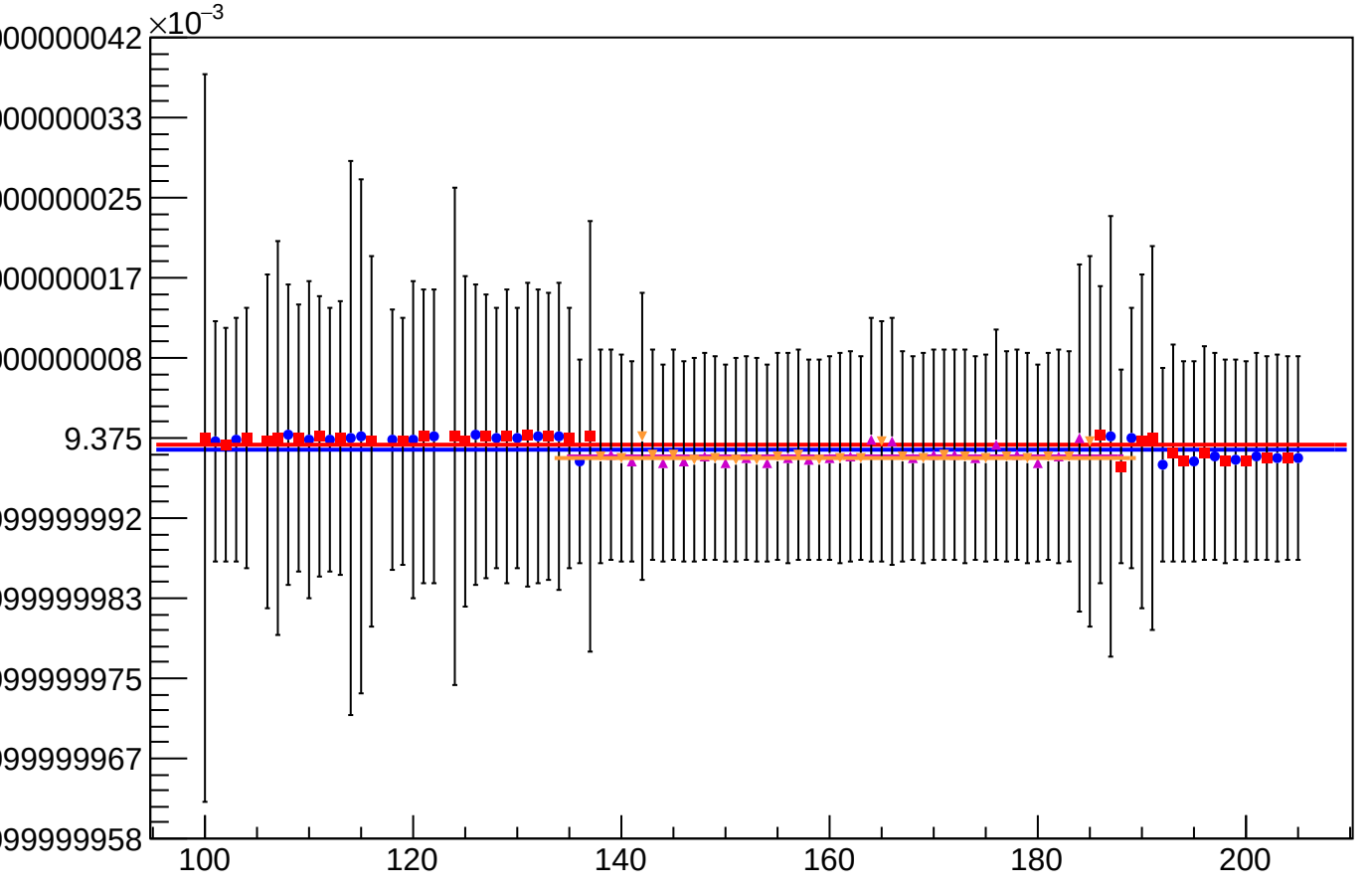
+ sign 2174.689+/-0.000 χ^2/NDF: 8413193265217

All: 2174.575+/-0.000 χ^2/NDF: 219295675

- sign 2174.461+/-0.000 χ^2/NDF: 13426340985749


HALLA_dpp_mean vs Slug
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1224125054284796954411008.0/24
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 158361674961225401761792O.0/29
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2605965681781084
All: -0.000+/-0.000 χ²/NDF: 5439180408939
- sign -0.000+/-0.000 χ²/NDF: 2828701347038797

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

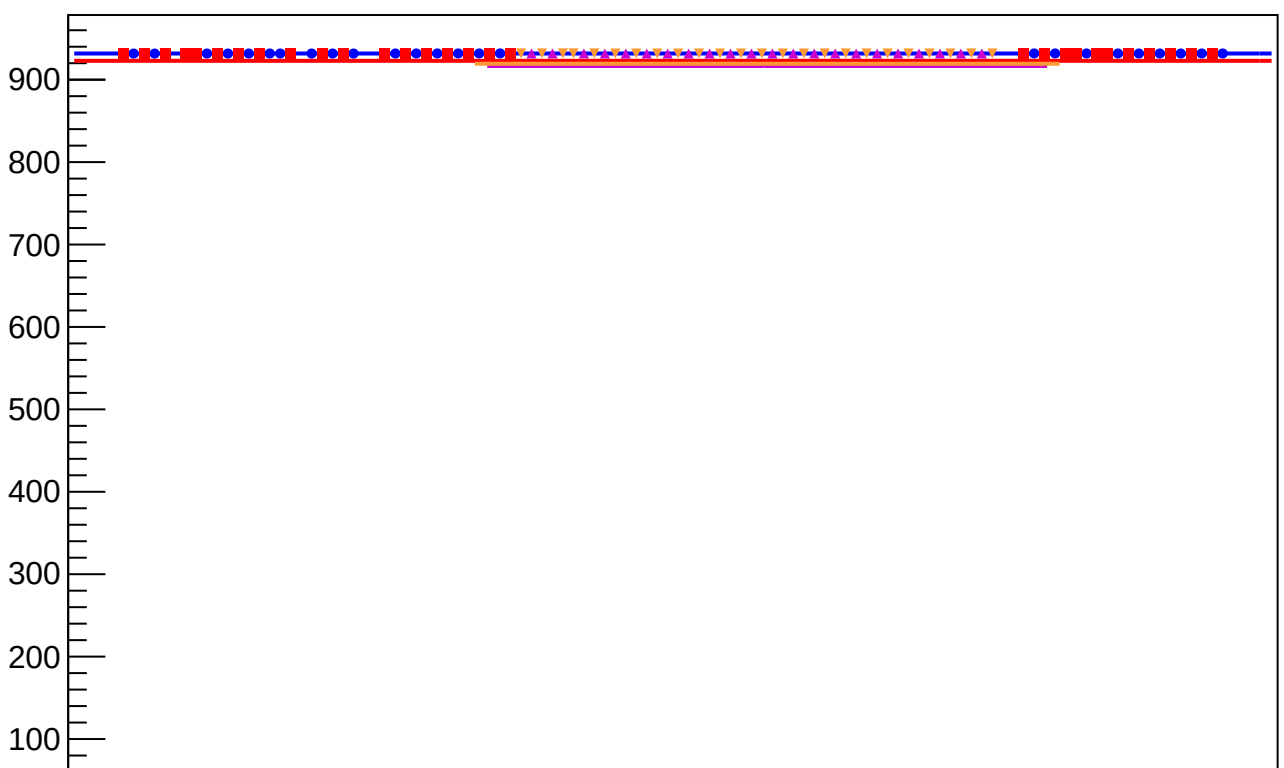
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 0.8/102

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.777+/-0.000 χ^2/NDF: 3226937293652987618401166819328.0/24

+ sign 924.530+/-0.000 χ^2/NDF: 231511118452461

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

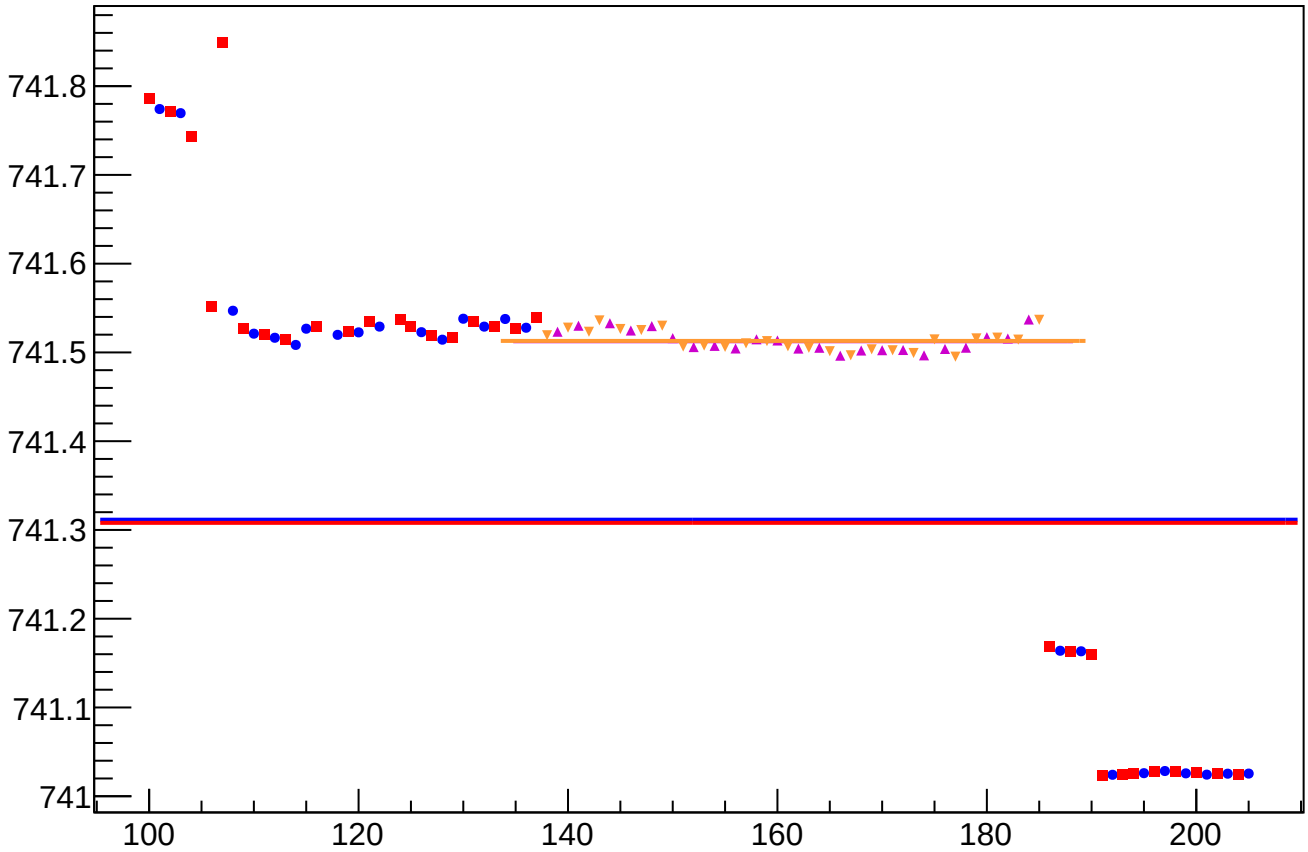
All: 922.000+/-0.000 χ^2/NDF: 624971524201

Right Out: 922.911+/-0.000 χ^2/NDF: 1289837149092568149704856141391567257 6.0/29

- sign 919.486+/-0.000 χ^2/NDF: 393018926408102

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.312+/-0.000 χ^2/NDF: 10851729463118603412446957168230 4.0/24

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.308+/-0.000 χ^2/NDF: 11712088944358670582218865246208 0.0/29

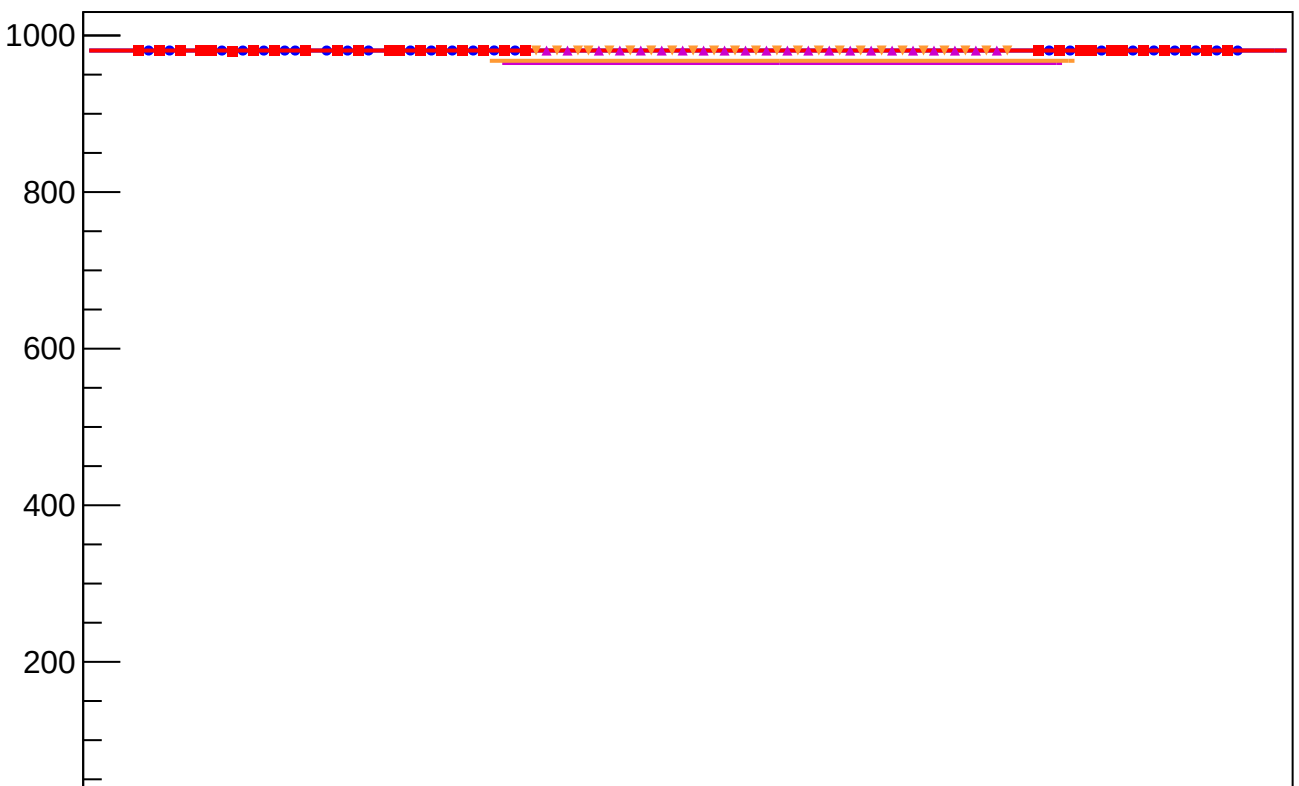
Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.429+/-0.000 χ^2/NDF: 142900632867378

All: 741.424+/-0.000 χ^2/NDF: 296500193347

- sign 741.420+/-0.000 χ^2/NDF: 153458716107845

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.808+/-0.000 χ^2/NDF: 17737330967824303255312431841280.0/24

+ sign 973.152+/-0.000 χ^2/NDF: 256502457404941

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

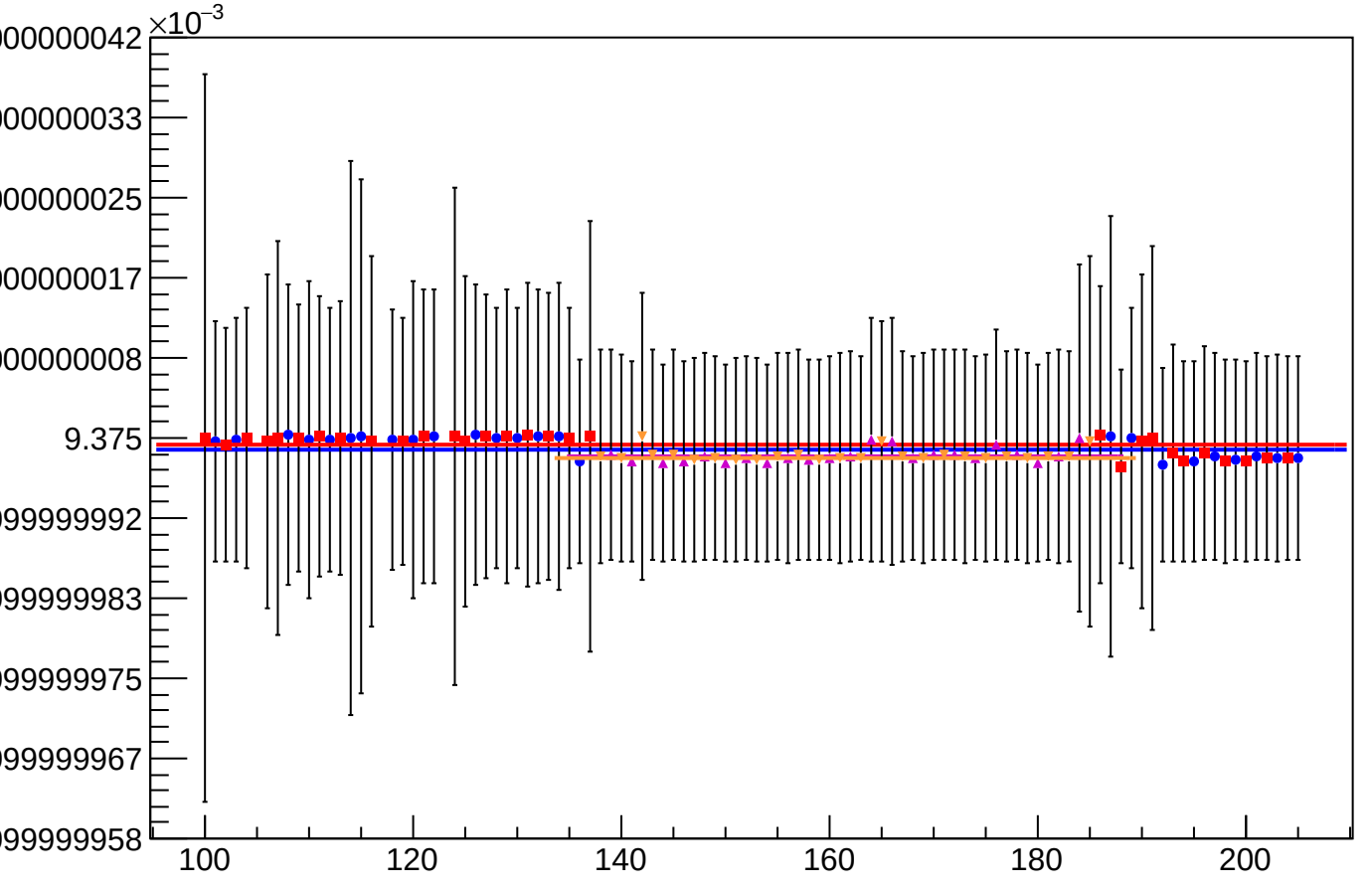
All: 972.605+/-0.000 χ^2/NDF: 55086955372

Right Out: 980.778+/-0.000 χ^2/NDF: 6339942921642270154021618162073 6.0/29

- sign 972.061+/-0.000 χ^2/NDF: 294346459321029

Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

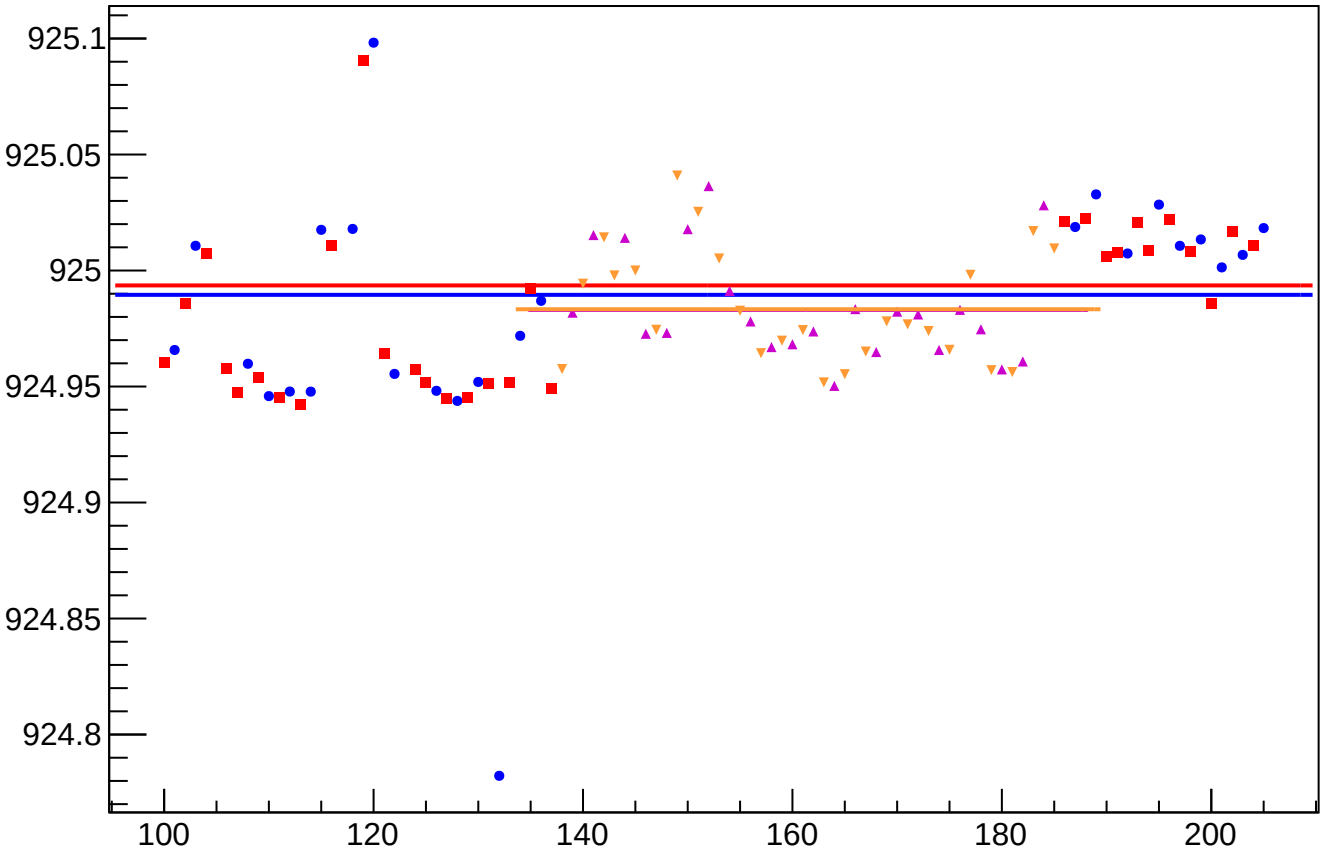
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 0.8/102

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.990+/-0.000 χ^2/NDF: 34355084651253075961665174896640.0/24

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.994+/-0.000 χ^2/NDF: 19040970199427085849029100175360.0/29

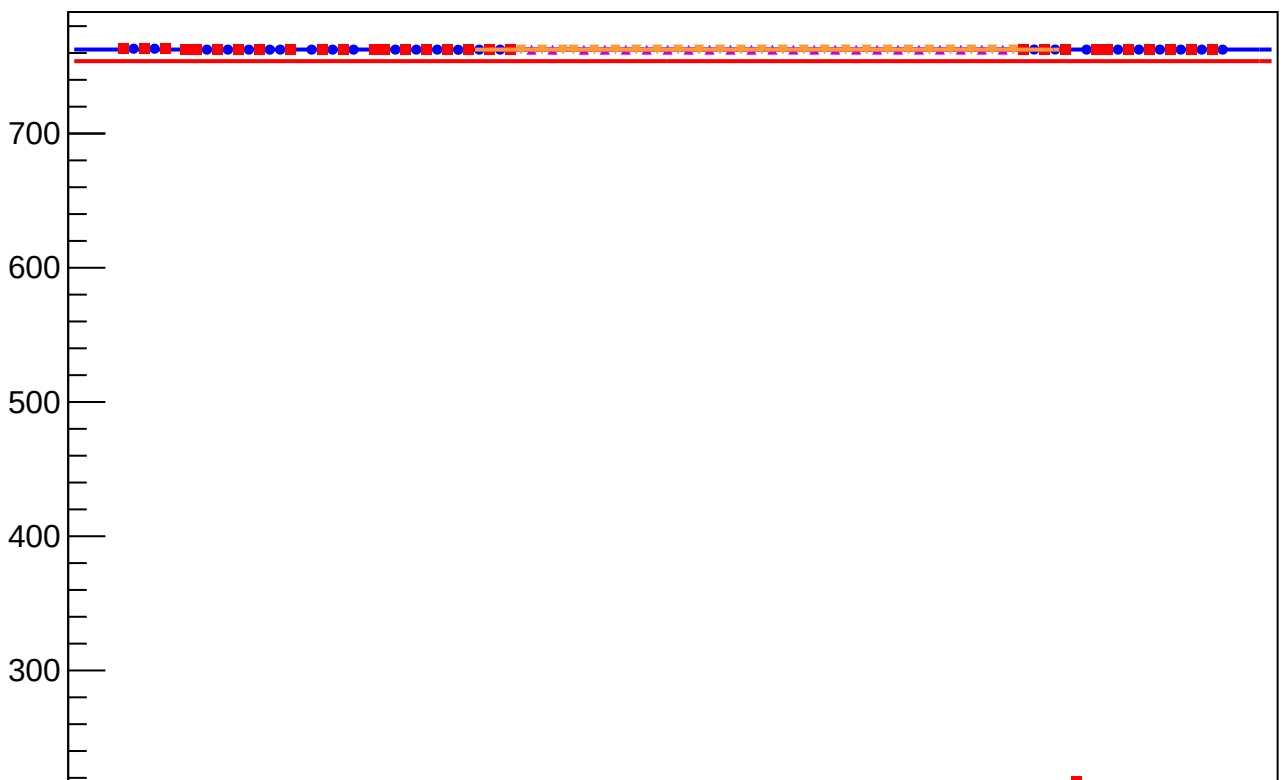
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.986+/-0.000 χ^2/NDF: 462907732014445

All: 924.987+/-0.000 χ^2/NDF: 756403028038

- sign 924.988+/-0.000 χ^2/NDF: 292872203354444

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.570+/-0.000 χ^2/NDF: 5488540589272592813059572393574 4.0/24

+ sign 762.540+/-0.000 χ^2/NDF: 579370200065562

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

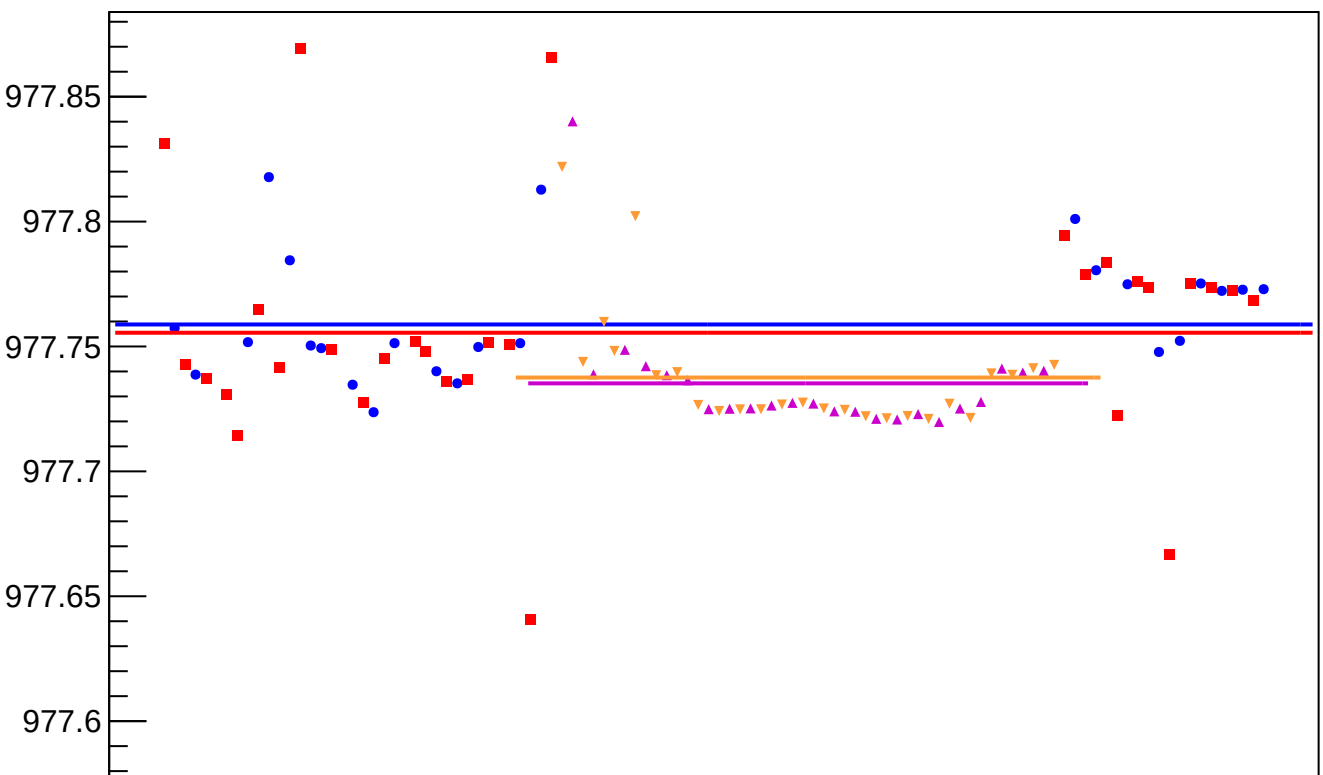
All: 760.578+/-0.000 χ^2/NDF: 7411820030

Right Out: 753.923+/-0.000 χ^2/NDF: 732146926759367470362711371556690329 6.0/29

- sign 758.628+/-0.000 χ^2/NDF: 738520397350975

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.759+/-0.000 χ^2/NDF: 22025435158164051374597629542 40.0/24

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.755+/-0.000 χ^2/NDF: 28202734444944618716457127116 80.0/29

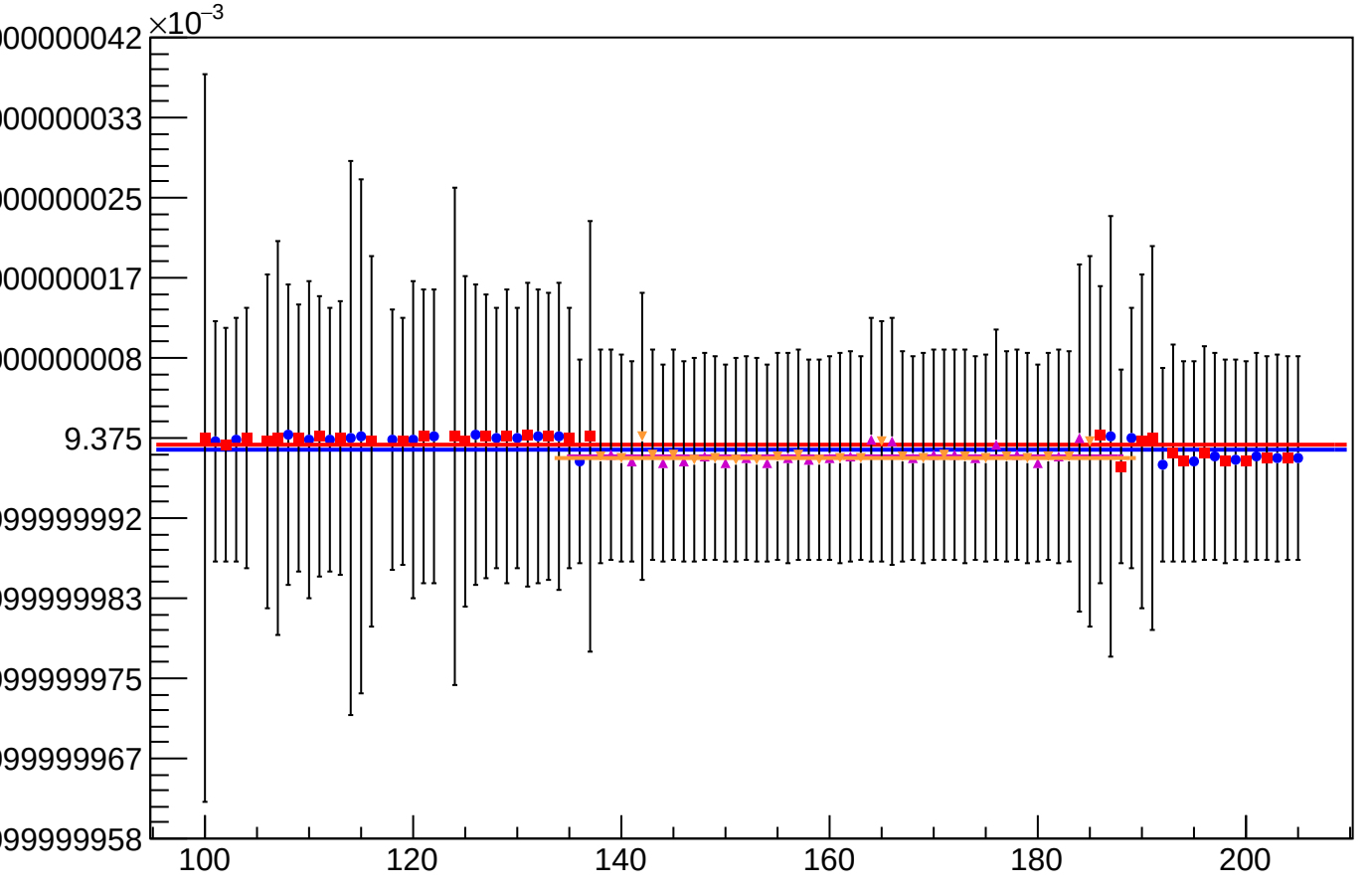
Left In: 977.735+/-0.000 χ^2/NDF:10967664376054172546270725406 72.0/22

+ sign 977.746+/-0.000 χ^2/NDF: 376063907741180

All: 977.745+/-0.000 χ^2/NDF: 803893958157

- sign 977.744+/-0.000 χ^2/NDF: 427125182959008

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

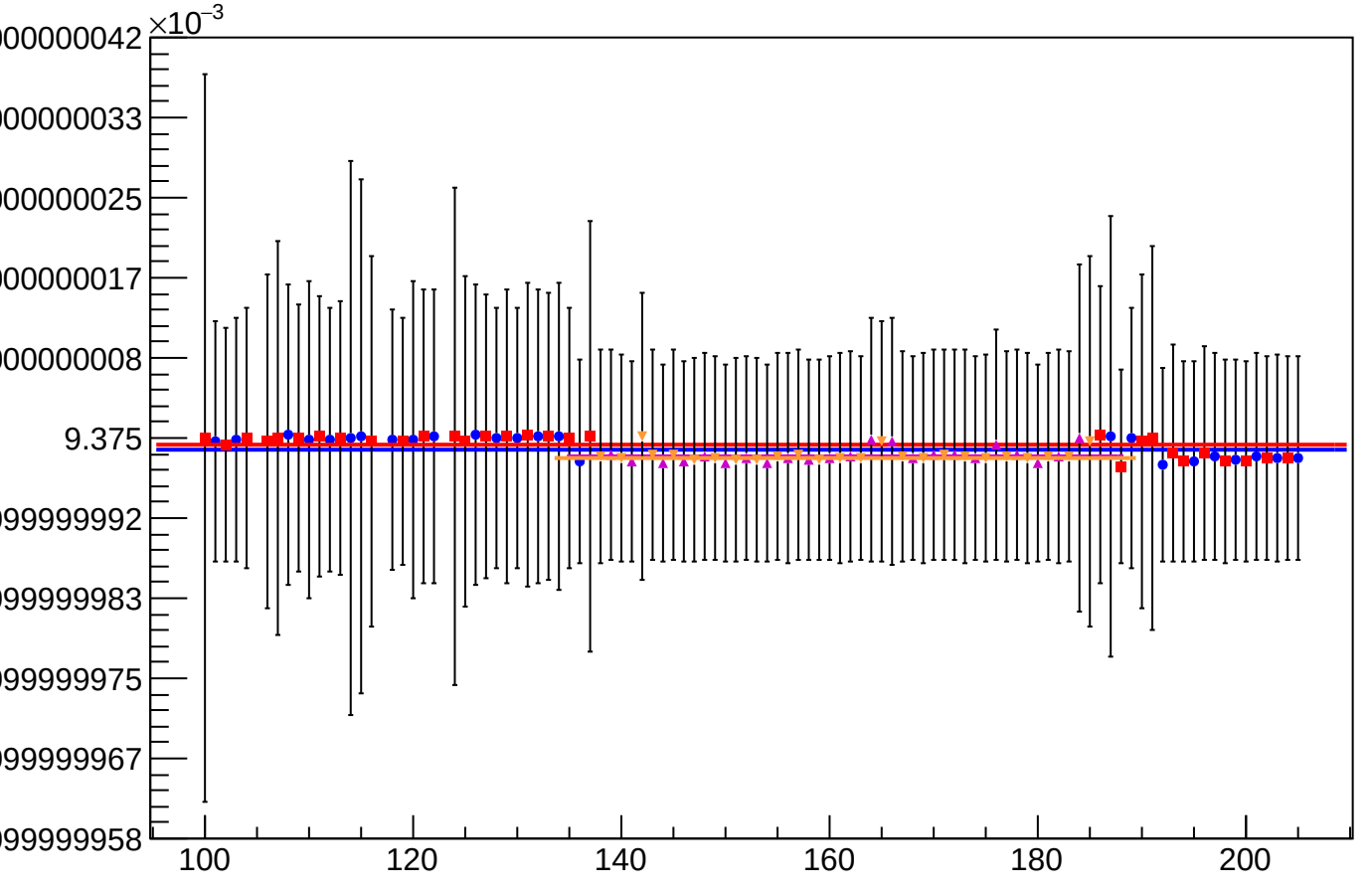
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 0.8/102

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

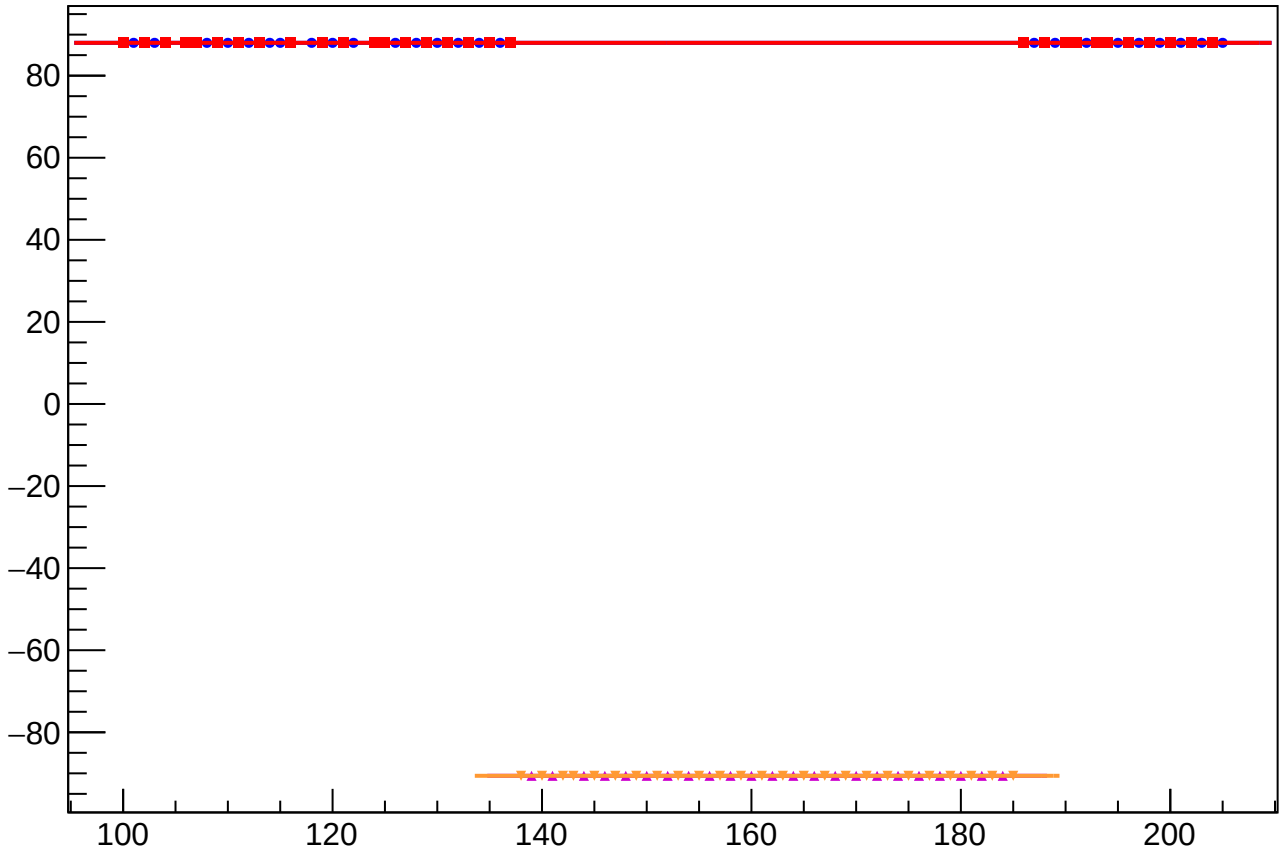
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 0.8/102

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 3556109.2/24

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 761041489493974063896372183 04.0/29

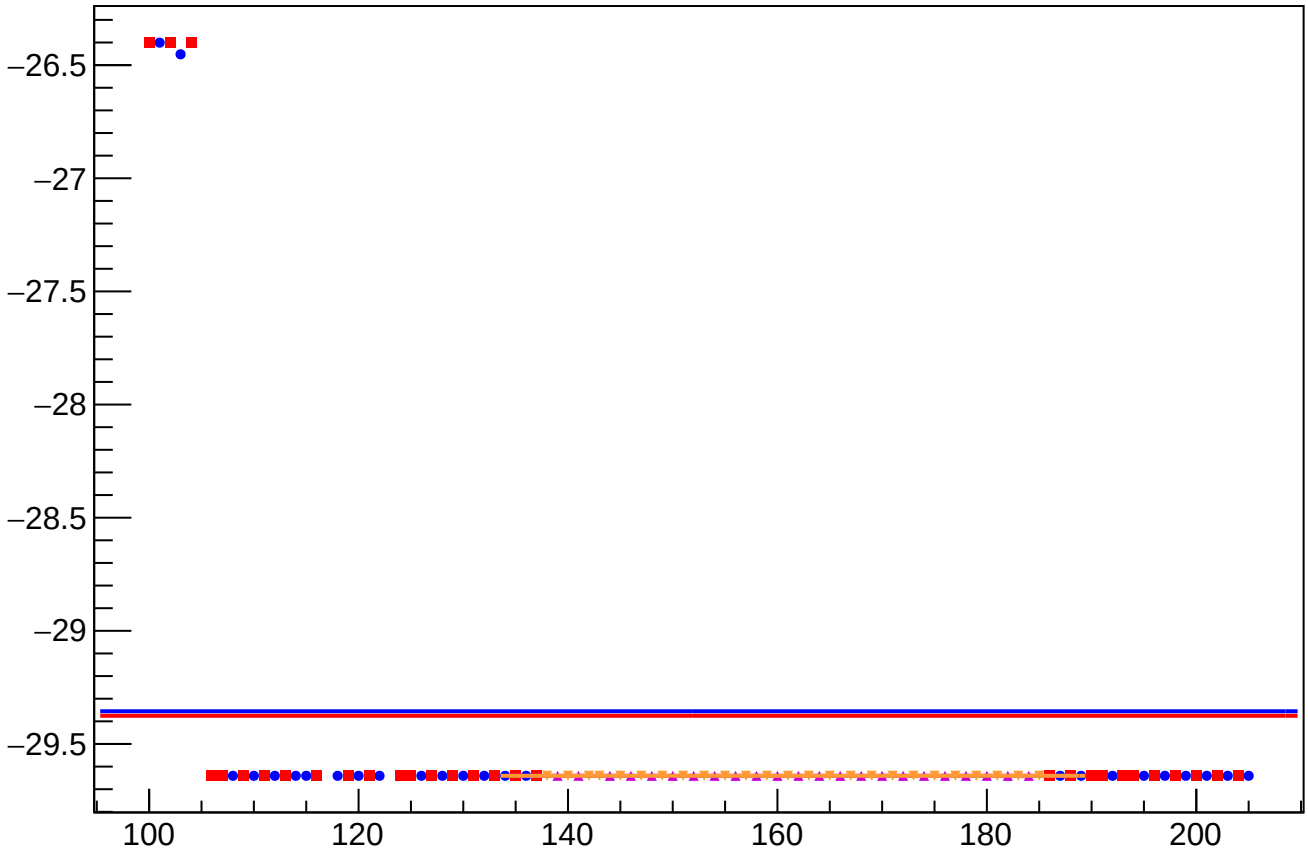
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -16.135+/-0.000 χ^2/NDF: 268379168370528

All: -12.939+/-0.000 χ^2/NDF: 544265967731

- sign -9.762+/-0.000 χ^2/NDF: 27518174397917656

HWienAngle_mean vs Slug



Right In: -29.356+/-0.000 χ^2/NDF: 120552826848827299972206329384140 8.0/24

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

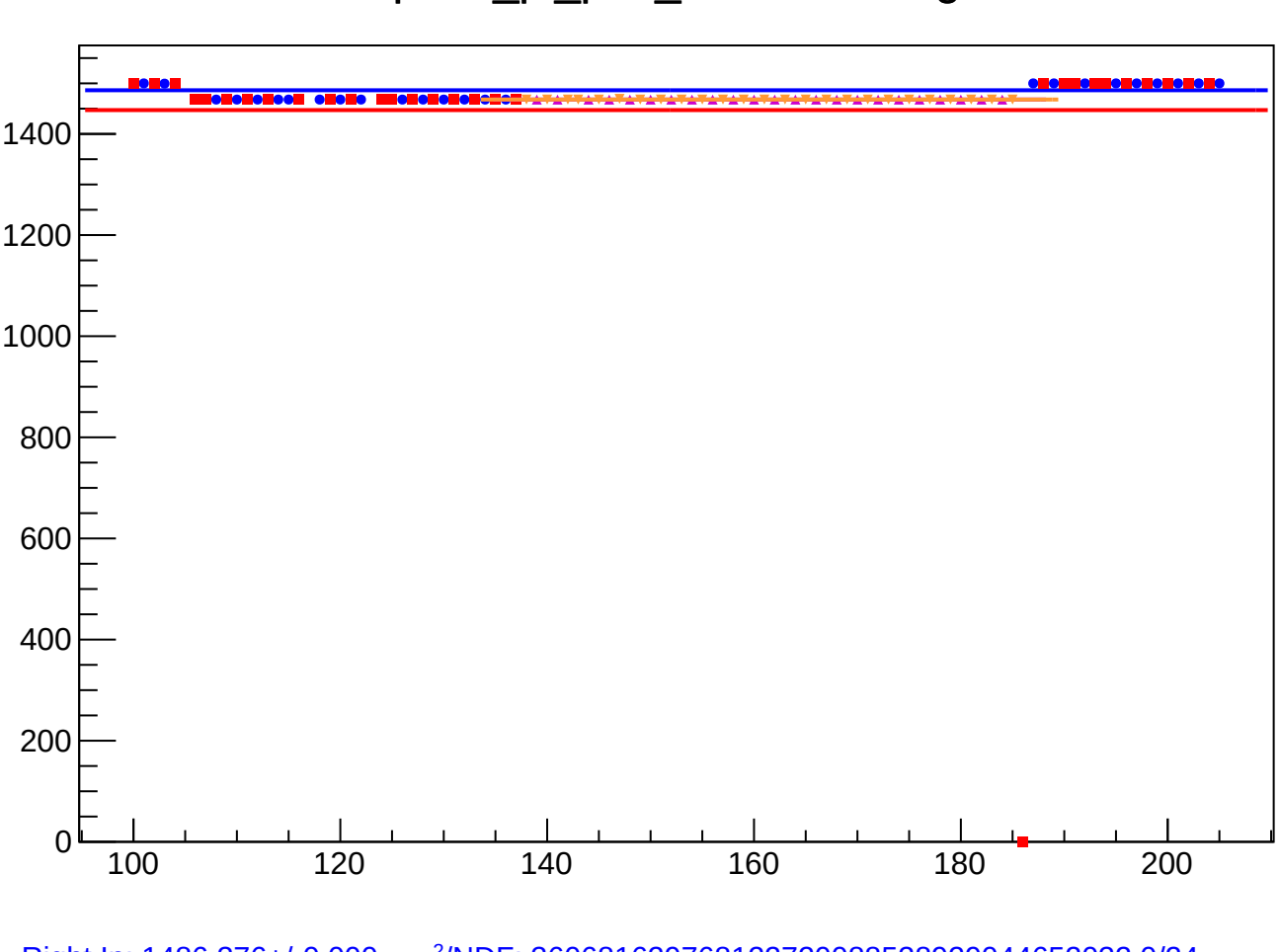
Right Out: -29.376+/-0.000 χ^2/NDF: 124334613502538433366018638846361 6.0/29

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.522+/-0.000 χ^2/NDF: 127394316806867

All: -29.521+/-0.000 χ^2/NDF: 257796623542

- sign -29.521+/-0.000 χ^2/NDF: 1304020795864436



Right In: 1486.376+/-0.000 χ^2/NDF: 3606816297681227200885389290446520320/24

+ sign 1475.691+/-0.000 χ^2/NDF: 643356165965940

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1467.098+/-0.000 χ^2/NDF: 922739135680

Right Out: 1447.145+/-0.000 χ^2/NDF: 907460156026233173939969614720511508480.0/29

- sign 1458.557+/-0.000 χ^2/NDF: 911210060550120

Left In: 1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360/22

Phi_FG_mean vs Slug

Right In: 90.069+/-0.000 χ^2/NDF: 176436156177894526350755891249152.0/24

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.061+/-0.000 χ^2/NDF: 18211486598987186958037577367552O.0/29

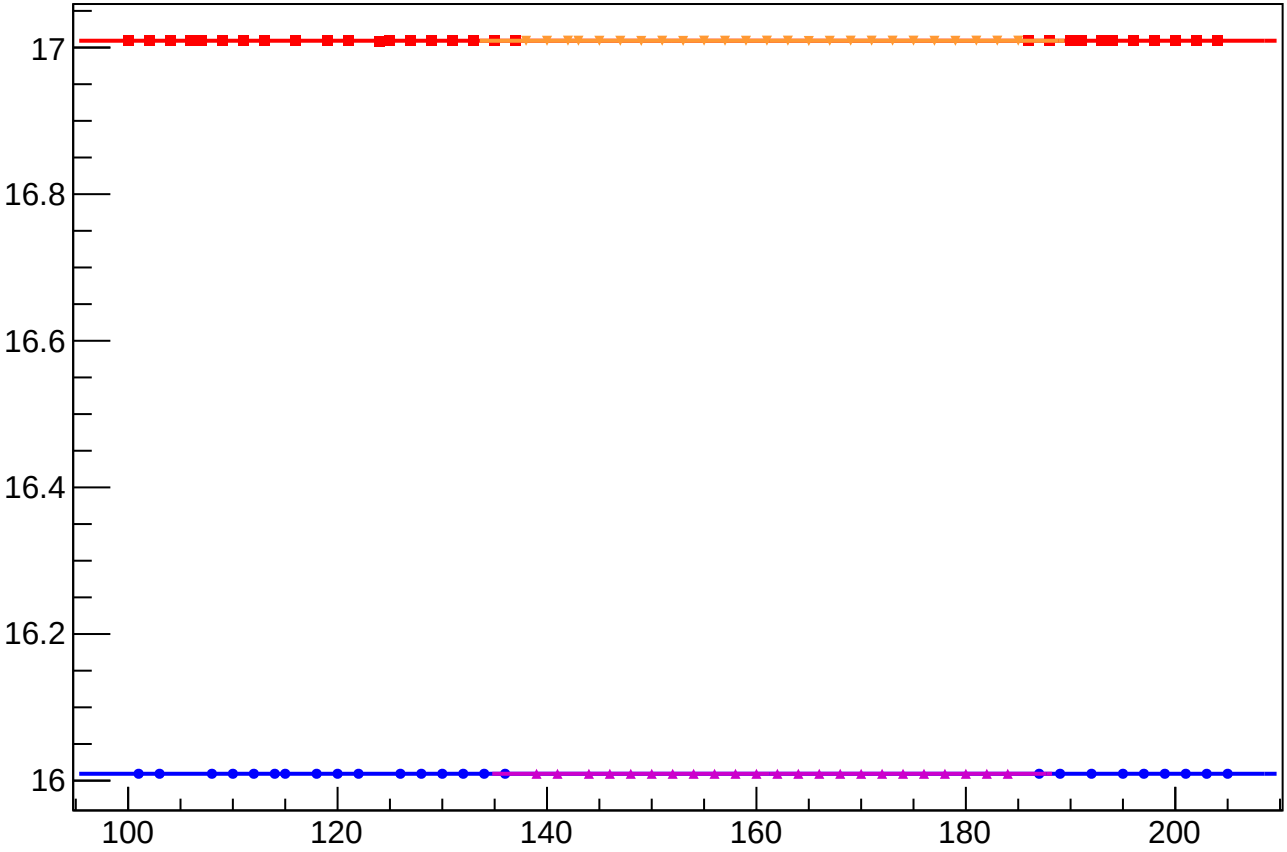
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.875+/-0.000 χ^2/NDF: 3706106988261668

All: 88.909+/-0.000 χ^2/NDF: 748703939602

- sign 88.944+/-0.000 χ^2/NDF: 3772570070927195

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 1052929899406729234350080.0/24

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 1898714366273343332758323 2.0/29

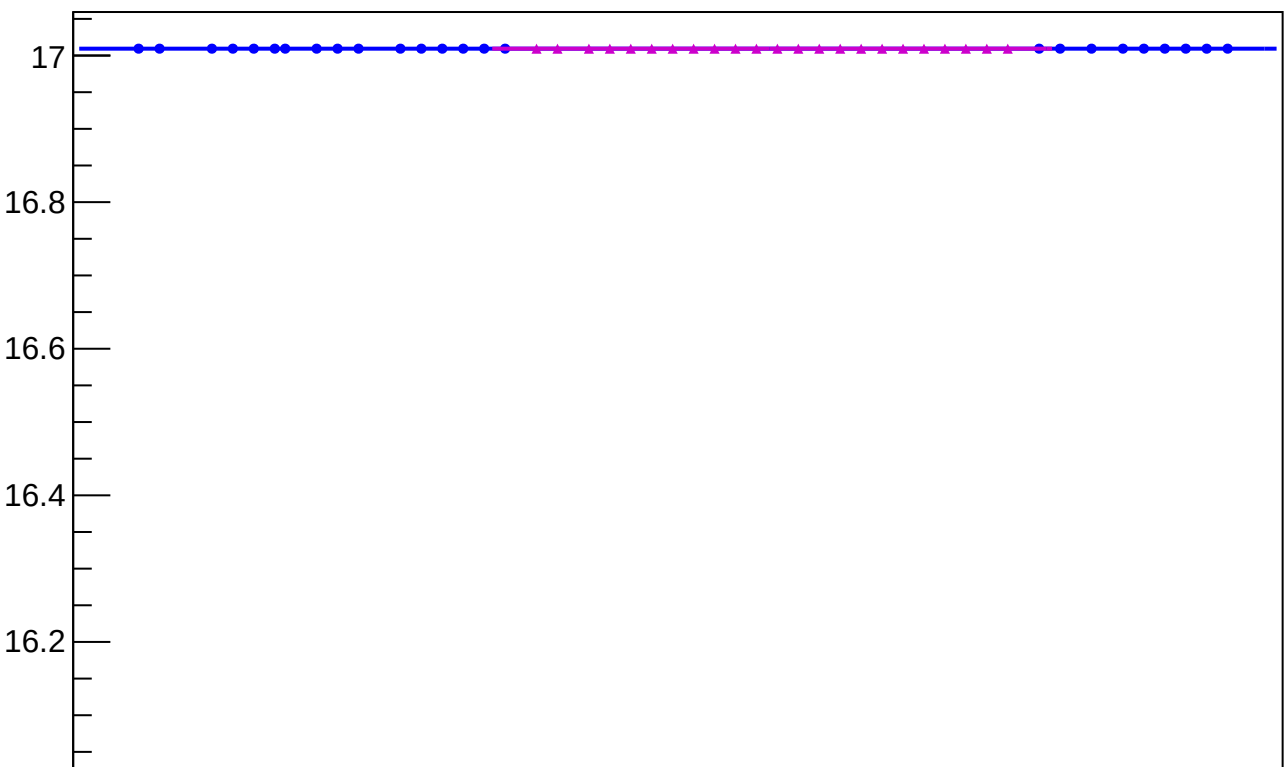
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.581+/-0.000 χ^2/NDF: 8021125374448802

All: 16.525+/-0.000 χ^2/NDF: 1635830348006

- sign 16.469+/-0.000 χ^2/NDF: 8133360961828573

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 1053176725975023359098880.0/24

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 414865.1/29

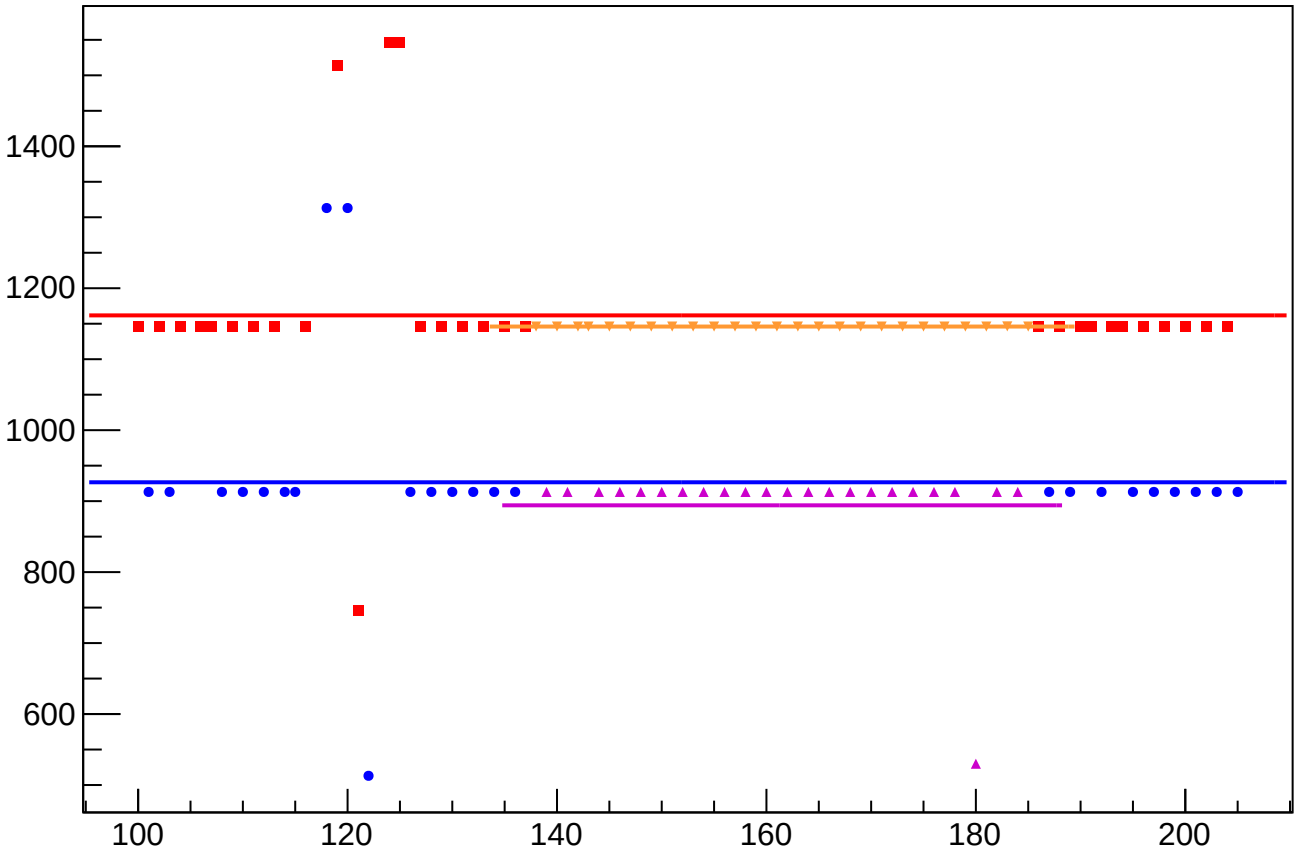
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.424+/-0.000 χ^2/NDF: 8252747989661911

All: 16.488+/-0.000 χ^2/NDF: 1705074436913

- sign 16.551+/-0.000 χ^2/NDF: 8519551793091682

RTPAPOSUCNT_mean vs Slug



Right In: 926.578+/-0.000 χ^2/NDF: 213351578438772560829630082469792317440/24

+ sign 1054.528+/-0.000 χ^2/NDF: 6185114381231

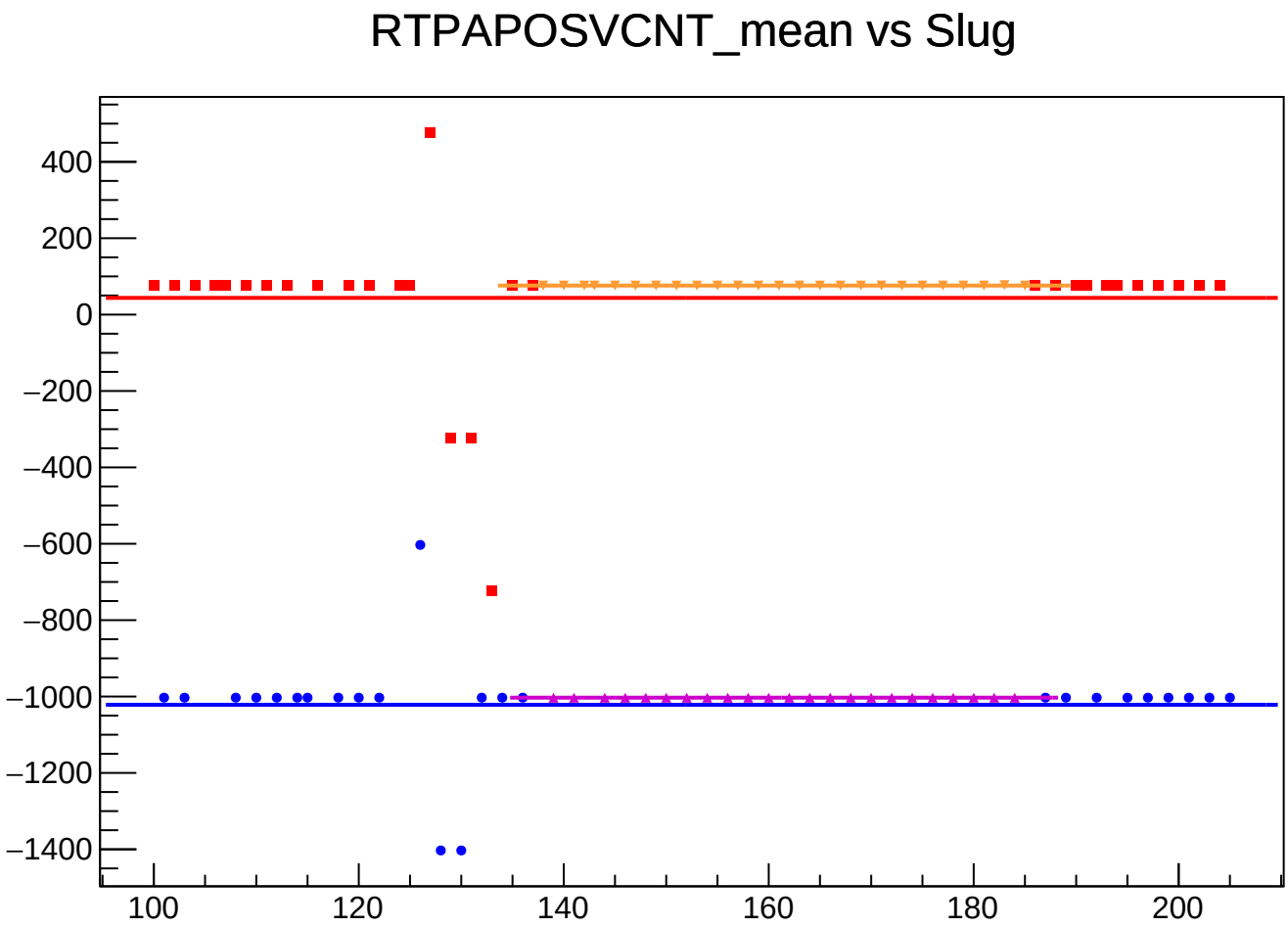
Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720/24

All: 1034.826+/-0.000 χ^2/NDF: 161987430

Right Out: 1161.746+/-0.000 χ^2/NDF: 225560839148508448897441706615211294720/29

- sign 1015.244+/-0.000 χ^2/NDF: 97457687871614

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760/22



Right In: -1021.562+/-0.000 χ^2/NDF: 233419108705453793299940518136444354560.0/24

+ sign -381.577+/-0.000 χ^2/NDF: 10369863869793

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

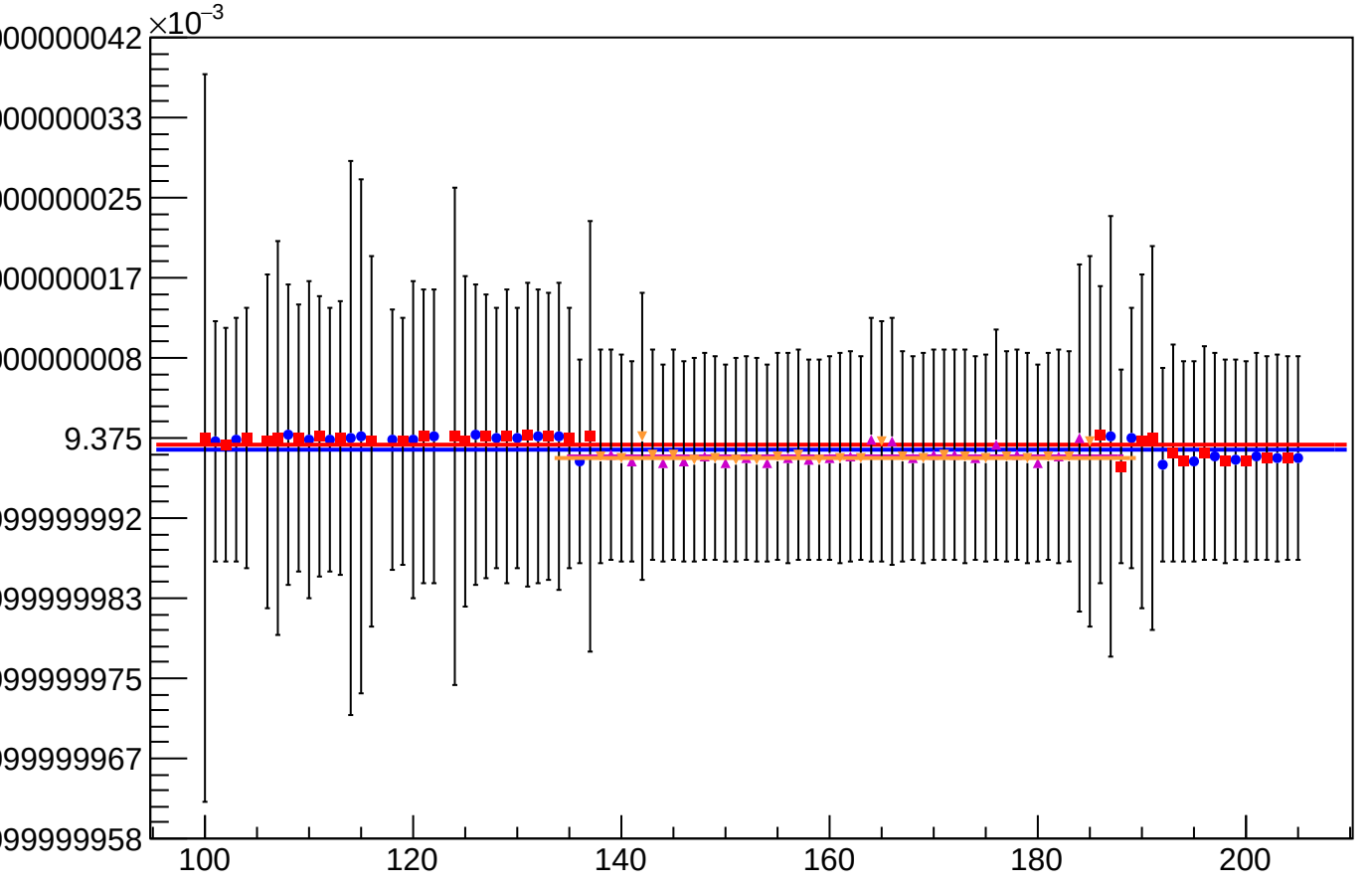
All: -455.617+/-0.000 χ^2/NDF: 2067876905

Right Out: 43.777+/-0.000 χ^2/NDF: 4780229889537366860259944285723007385 6.0/29

- sign -529.209+/-0.000 χ^2/NDF: 993060008439909

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

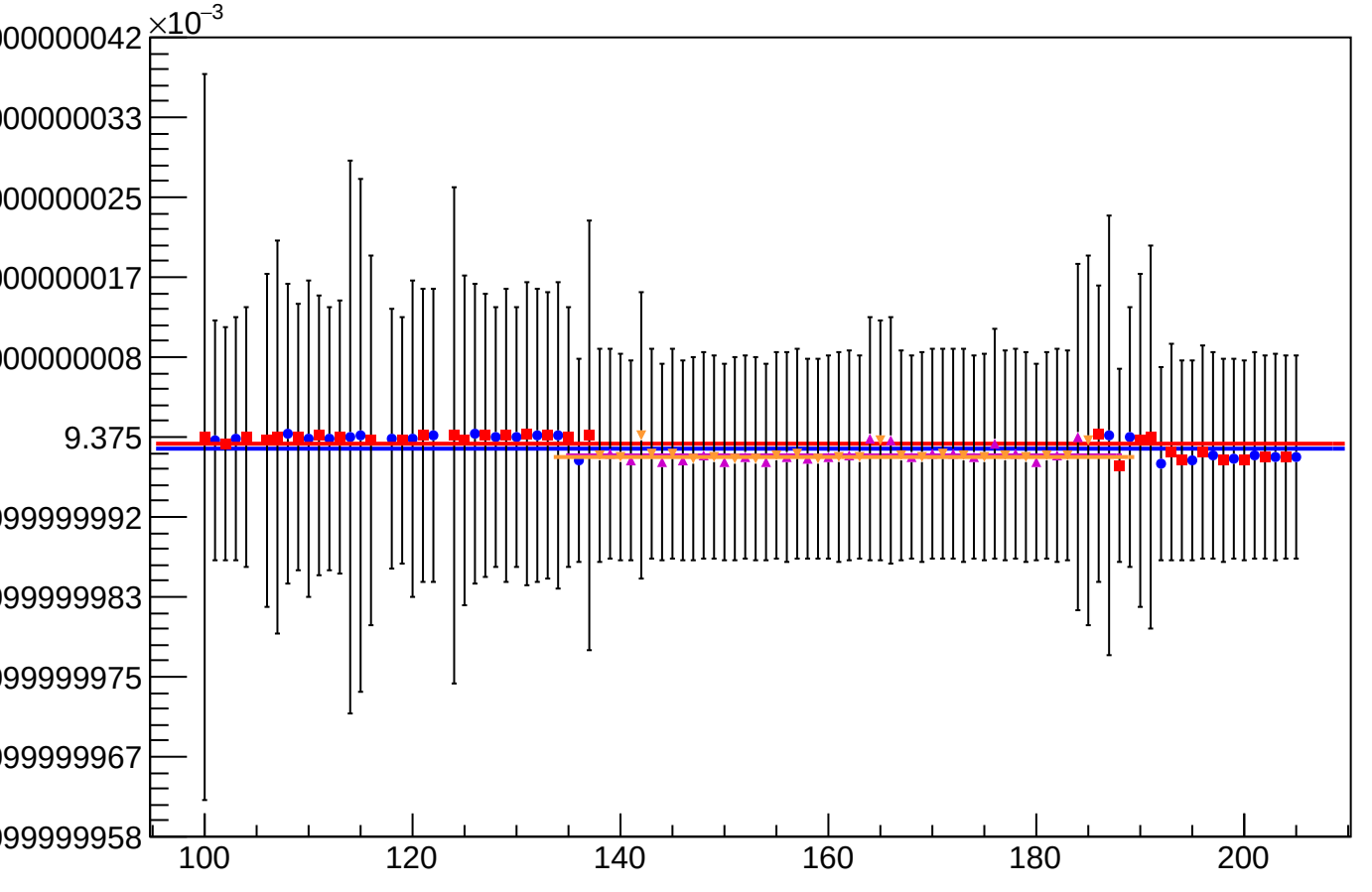
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 0.8/102

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 0.8/102

- sign 0.009+/-0.000 χ^2/NDF: 0.4/52