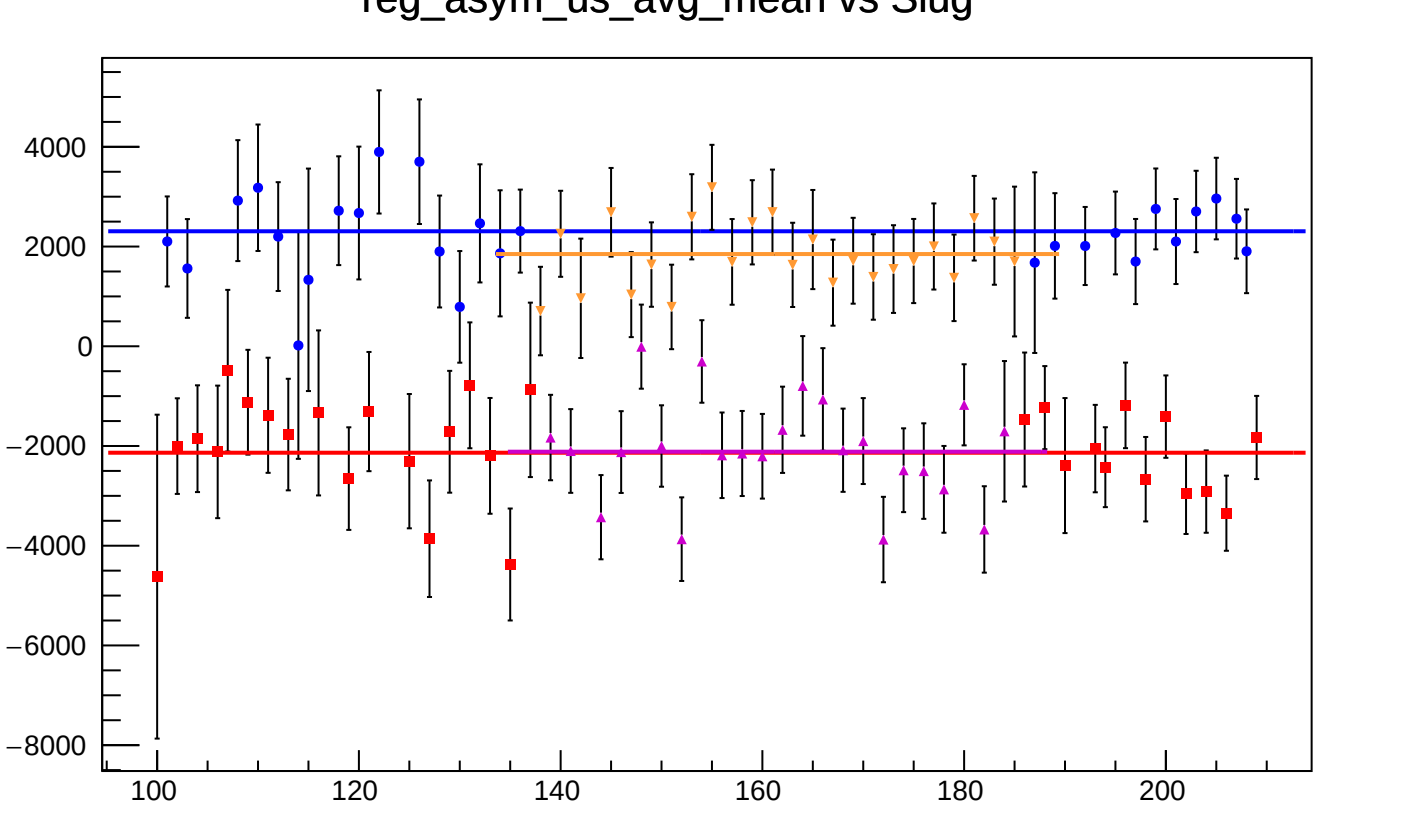


Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: -2134.981+/-189.932 χ^2/NDF: 20.7/29

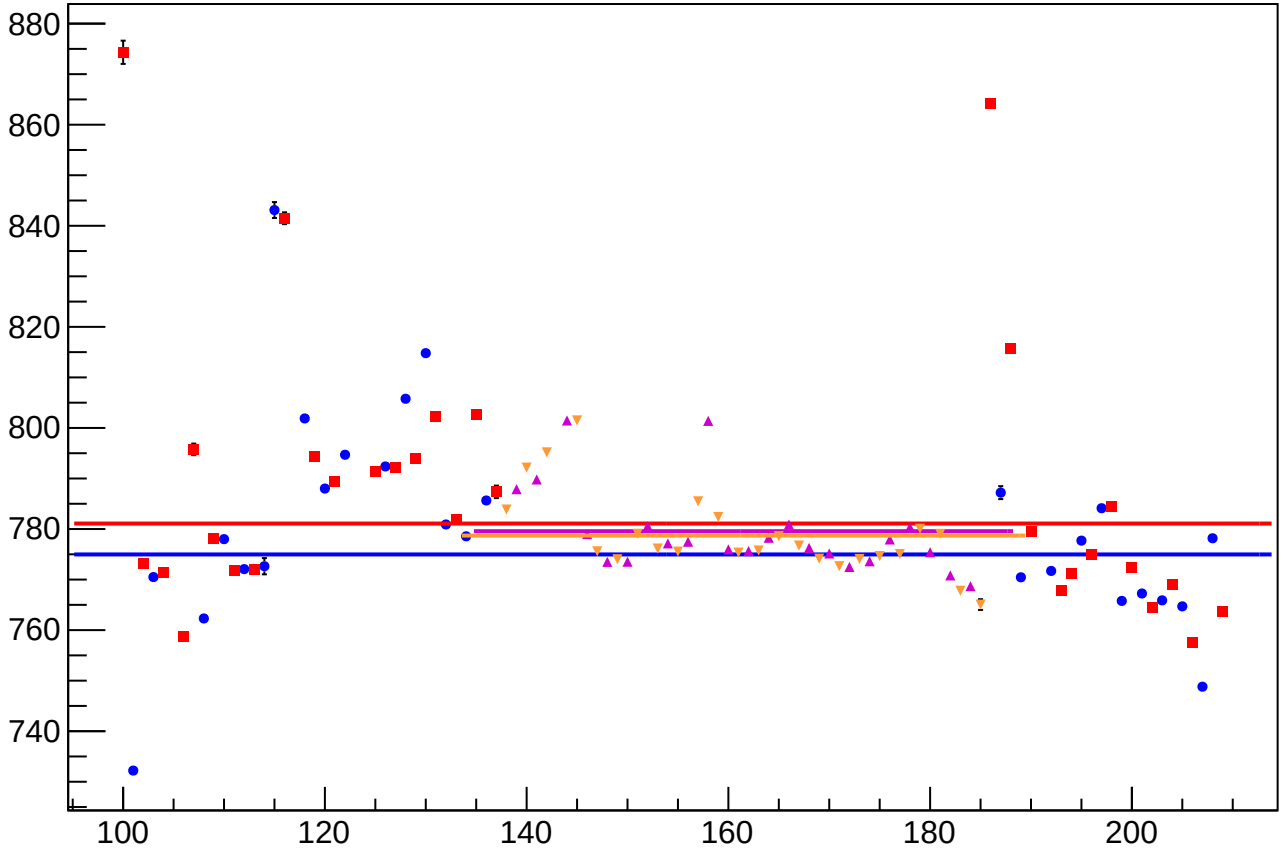
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2061.102+/-132.458 χ^2/NDF: 26.0/50

All: -48.067+/-93.292 χ^2/NDF: 581.0/103

- sign -2124.275+/-131.419 χ^2/NDF: 51.8/52

reg_asym_us_avg_rms vs Slug



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 781.088+/-0.134 χ^2/NDF: 24229.7/29

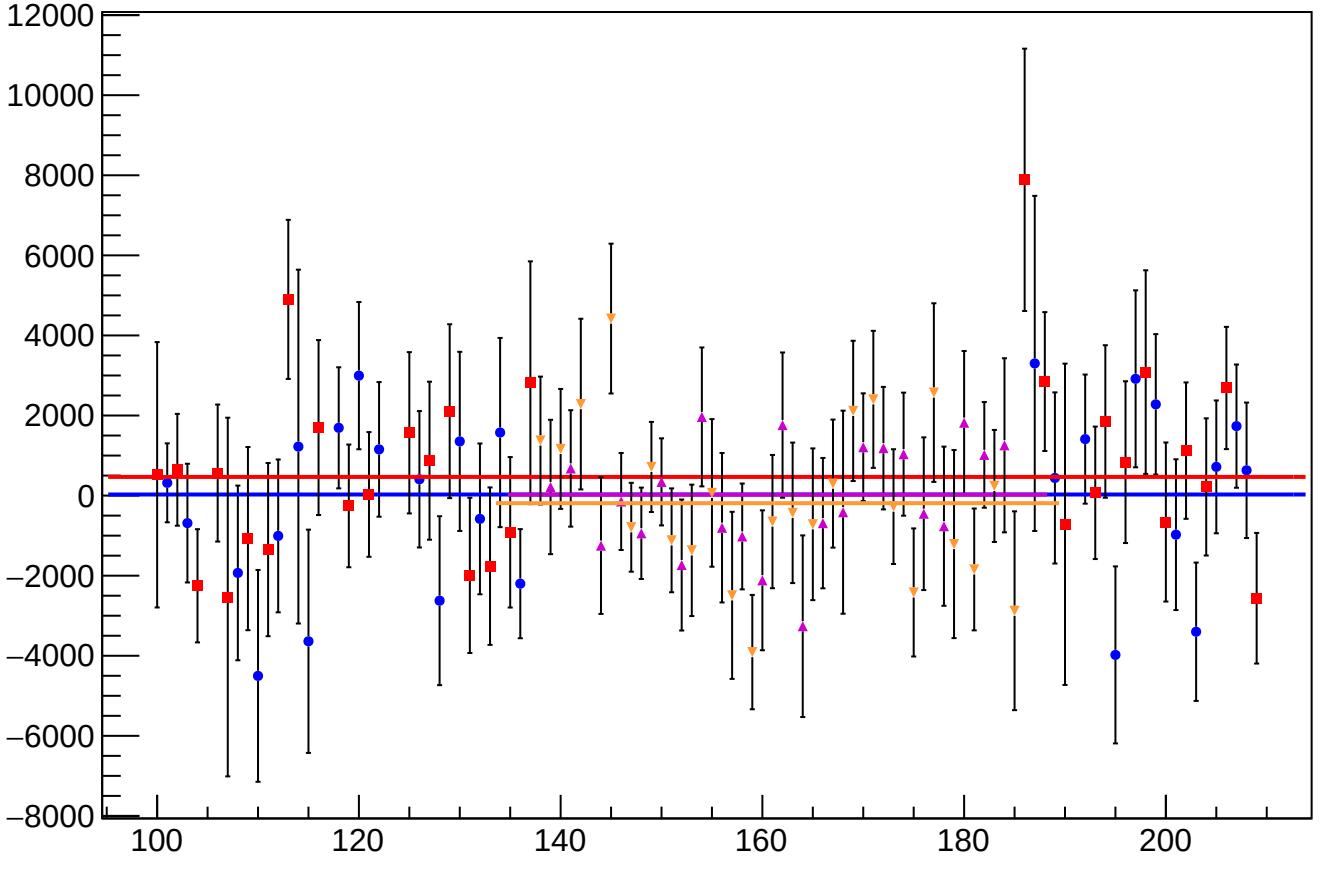
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.979+/-0.094 χ^2/NDF: 20737.0/50

All: 778.652+/-0.066 χ^2/NDF: 49839.1/103

- sign 780.299+/-0.093 χ^2/NDF: 28468.8/52

asym_us_avg_reg_correction_mean vs Slug



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: 466.335+/-351.211 χ^2/NDF: 30.7/29

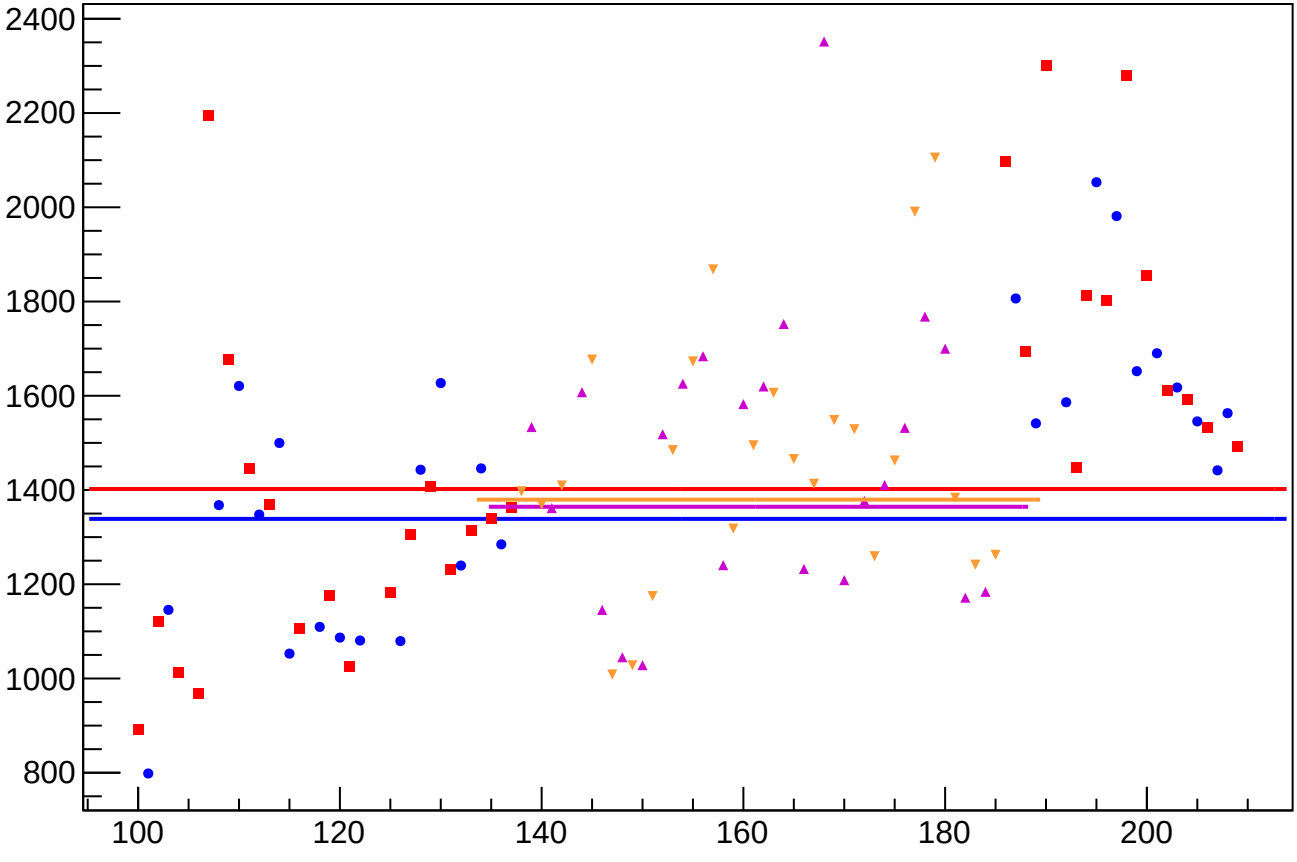
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -87.106+/-238.306 χ^2/NDF: 59.2/50

All: 70.312+/-168.702 χ^2/NDF: 105.1/103

- sign 228.460+/-238.858 χ^2/NDF: 45.0/52

asym_us_avg_reg_correction_rms vs Slug



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

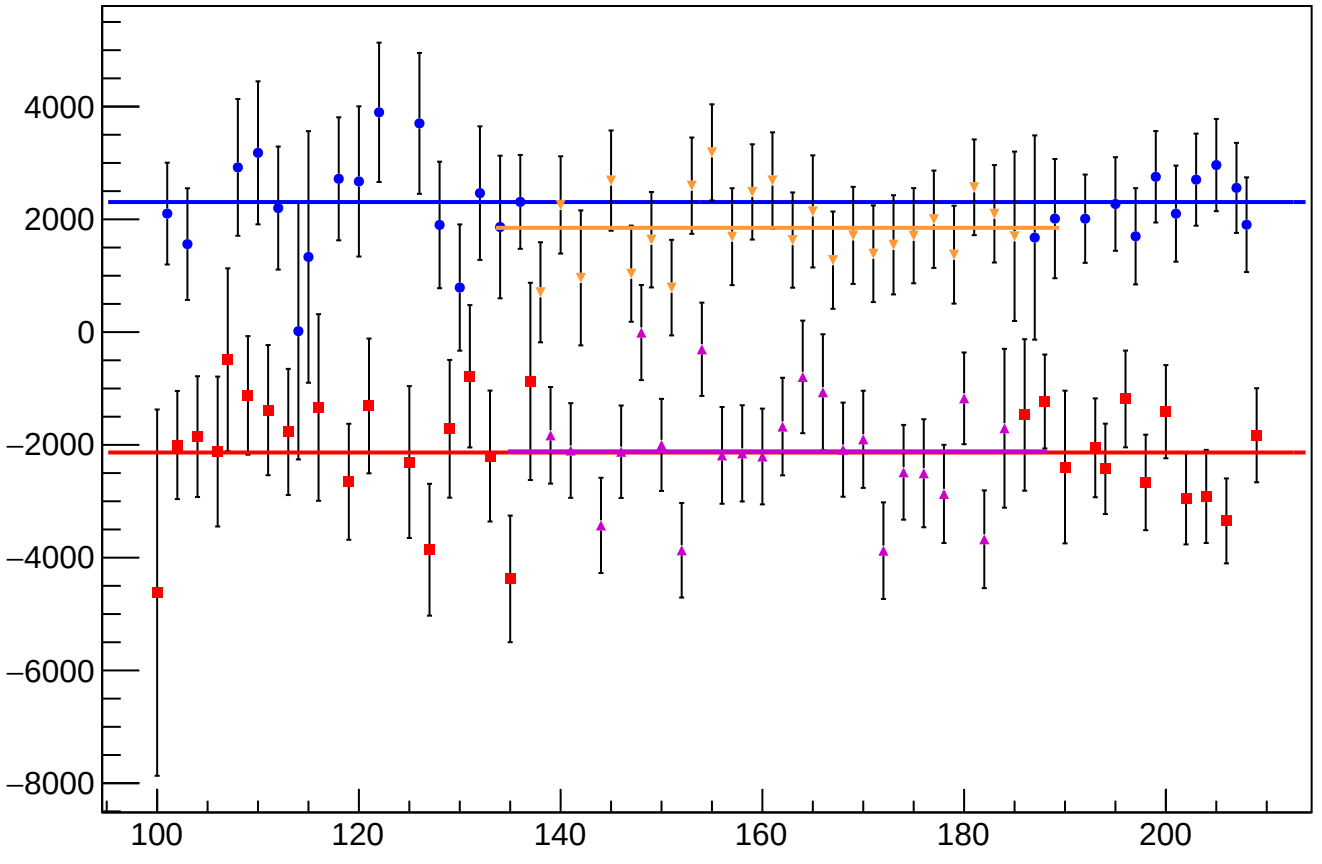
Right Out: 1402.116+/-0.248 χ^2/NDF: 1587964.9/29

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

+ sign 1360.313+/-0.169 χ^2/NDF: 2811328.9/50

All: 1371.057+/-0.119 χ^2/NDF: 5732132.0/10

- sign 1381.851+/-0.169 χ^2/NDF: 2912653.0/52



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

Right Out: -2134.981+/-189.932 χ^2/NDF: 20.7/29

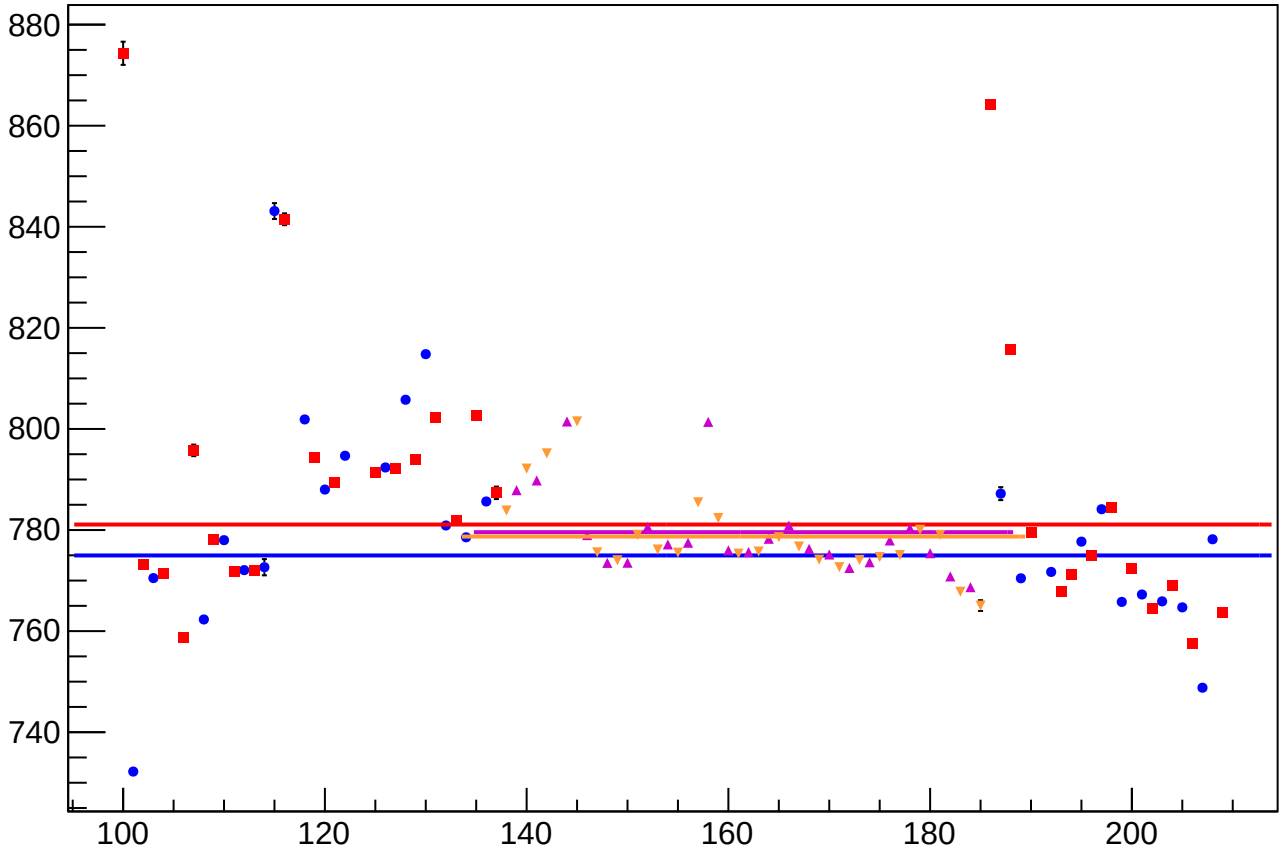
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2061.102+/-132.458 χ^2/NDF: 26.0/50

All: -48.067+/-93.292 χ^2/NDF: 581.0/103

- sign -2124.275+/-131.419 χ^2/NDF: 51.8/52

cor_asym_us_avg_rms vs Slug



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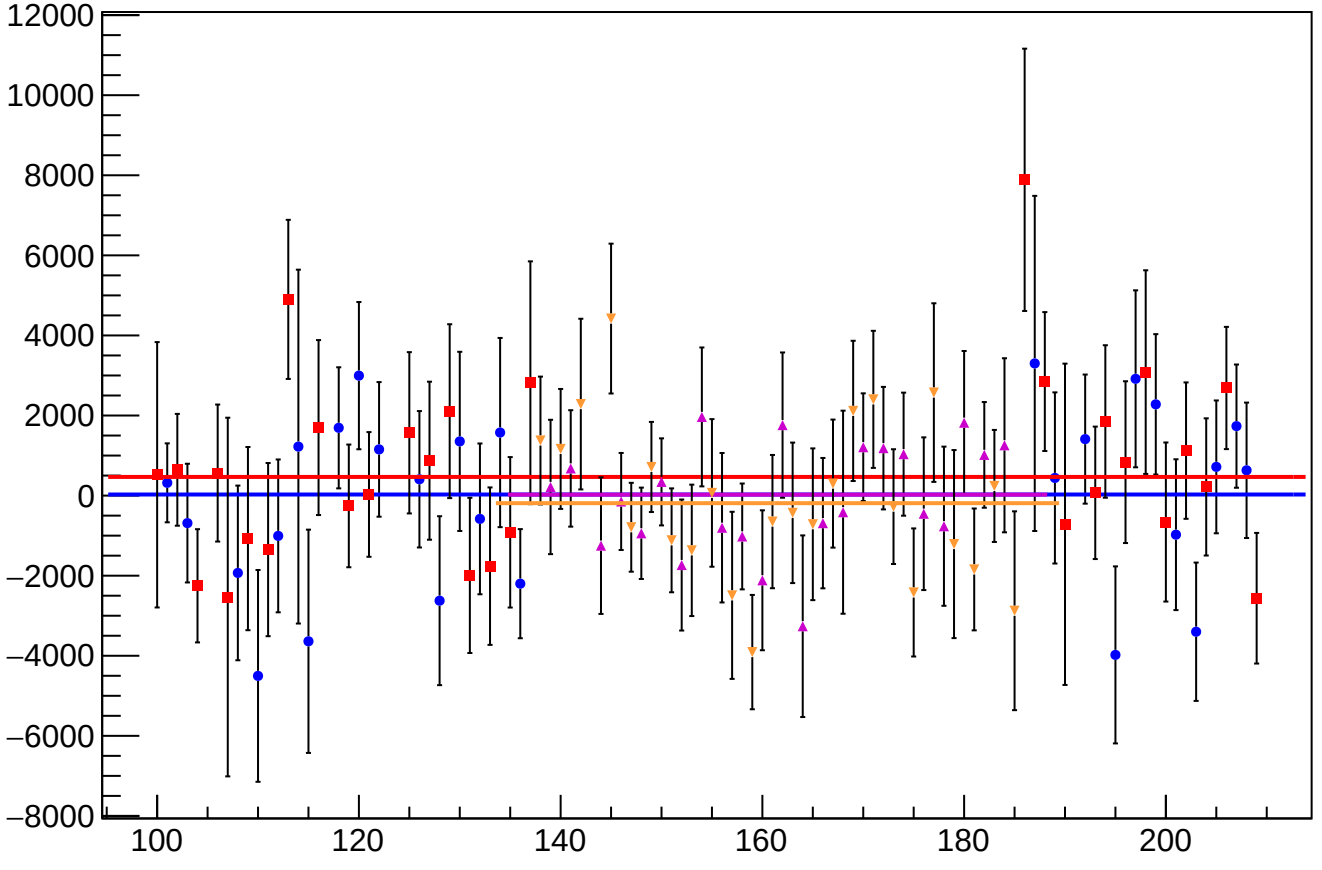
asym_us_avg_cor_correction_mean vs Slug



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: 466.335+/-351.211 χ^2/NDF: 30.7/29

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+ sign -87.106+/-238.306 χ^2/NDF: 59.2/50

All: 70.312+/-168.702 χ^2/NDF: 105.1/103

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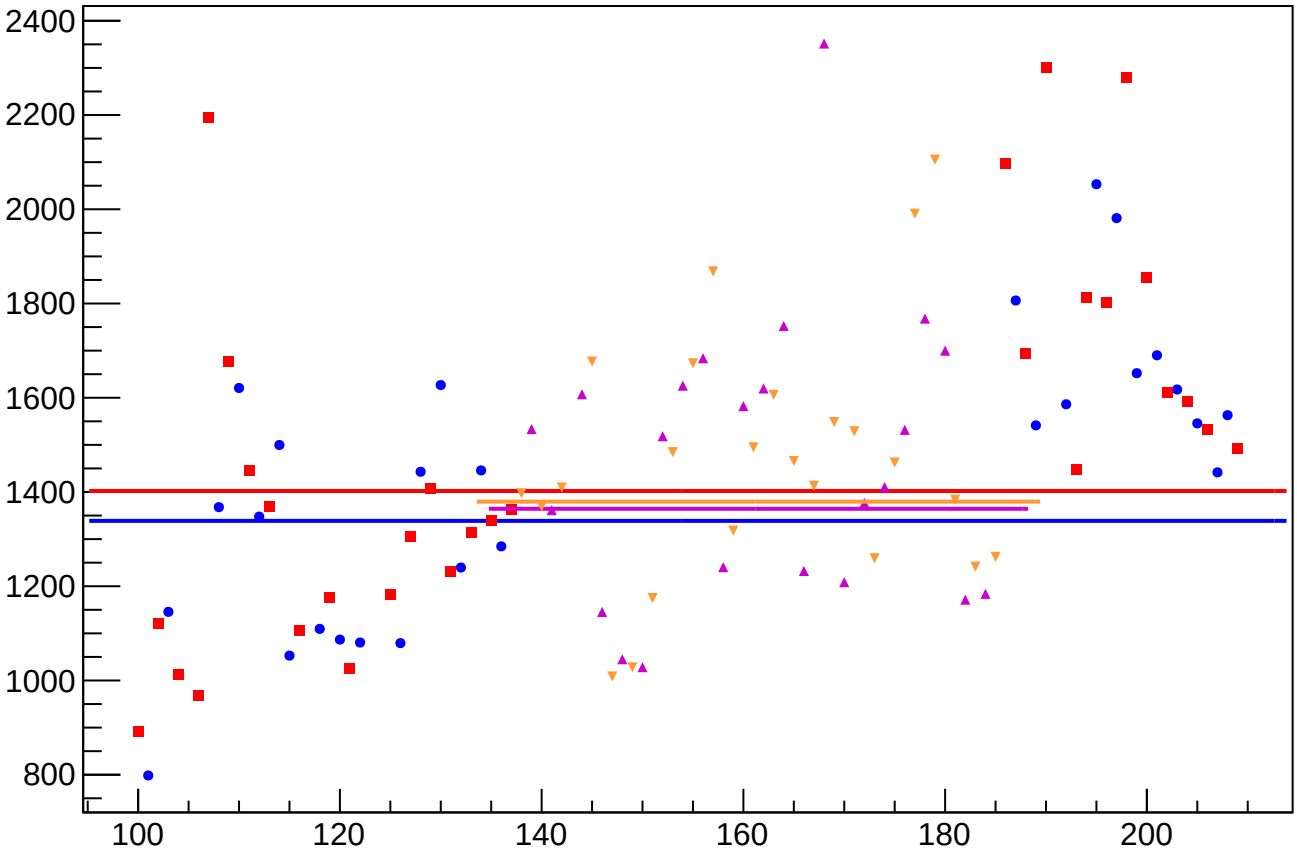

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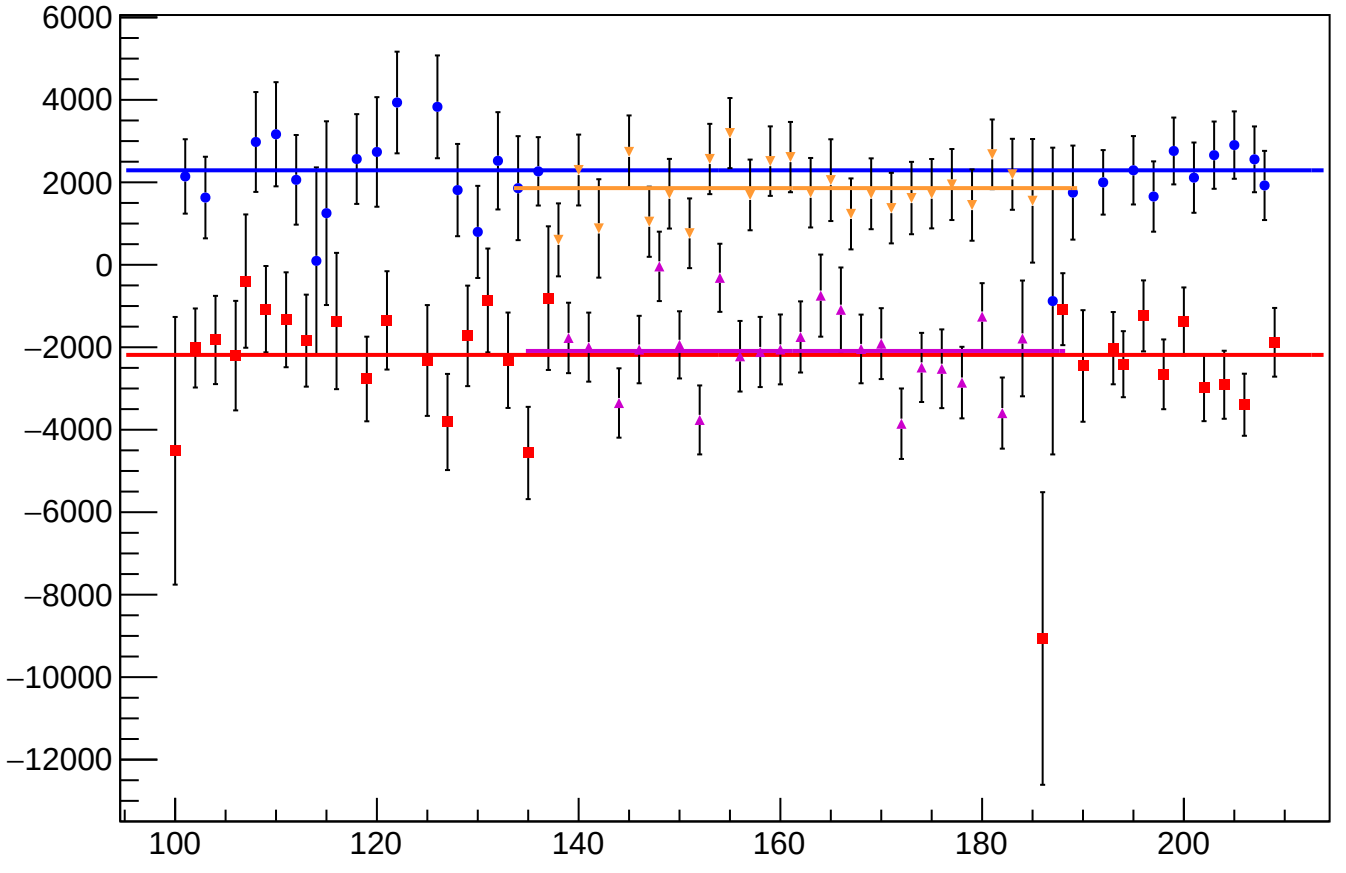
+ sign 1360.313+/-0.169 χ^2/NDF: 2811328.9/50

All: 1371.057+/-0.119 χ^2/NDF: 5732132.0/10

- sign 1381.851+/-0.169 χ^2/NDF: 2912653.0/52

overload_cor_asym_us_avg_mean vs Slug



Right In: 2291.293+/-195.706 χ^2/NDF: 11.2/26

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

Right Out: -2185.196+/-191.785 χ^2/NDF: 25.5/29

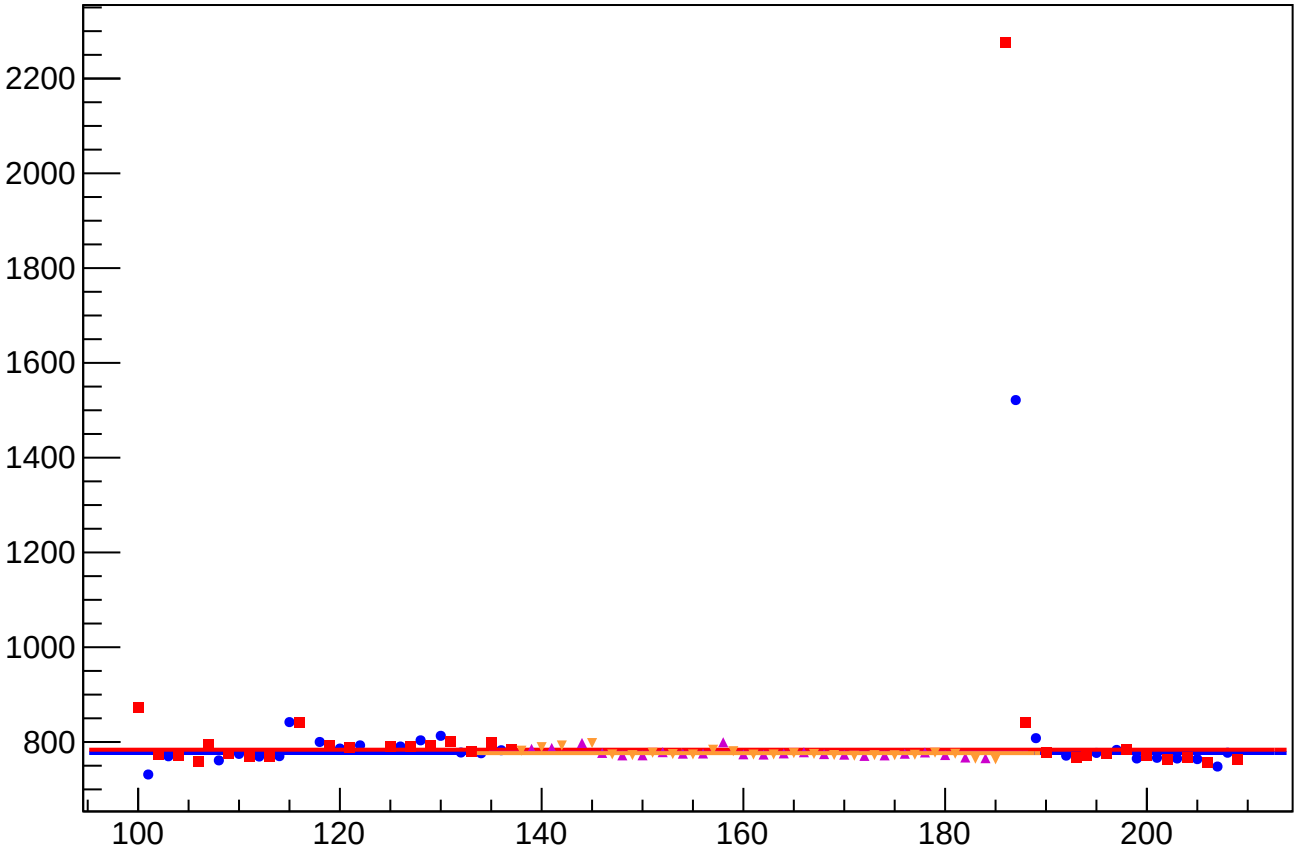
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2057.667+/-132.576 χ^2/NDF: 27.3/50

All: -50.282+/-93.482 χ^2/NDF: 585.4/103

- sign -2134.715+/-131.835 χ^2/NDF: 55.3/52

overload_cor_asym_us_avg_rms vs Slug



Right In: 776.807+/-0.138 χ^2/NDF: 98325.6/26

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

Right Out: 783.753+/-0.136 χ^2/NDF: 377144.5/29

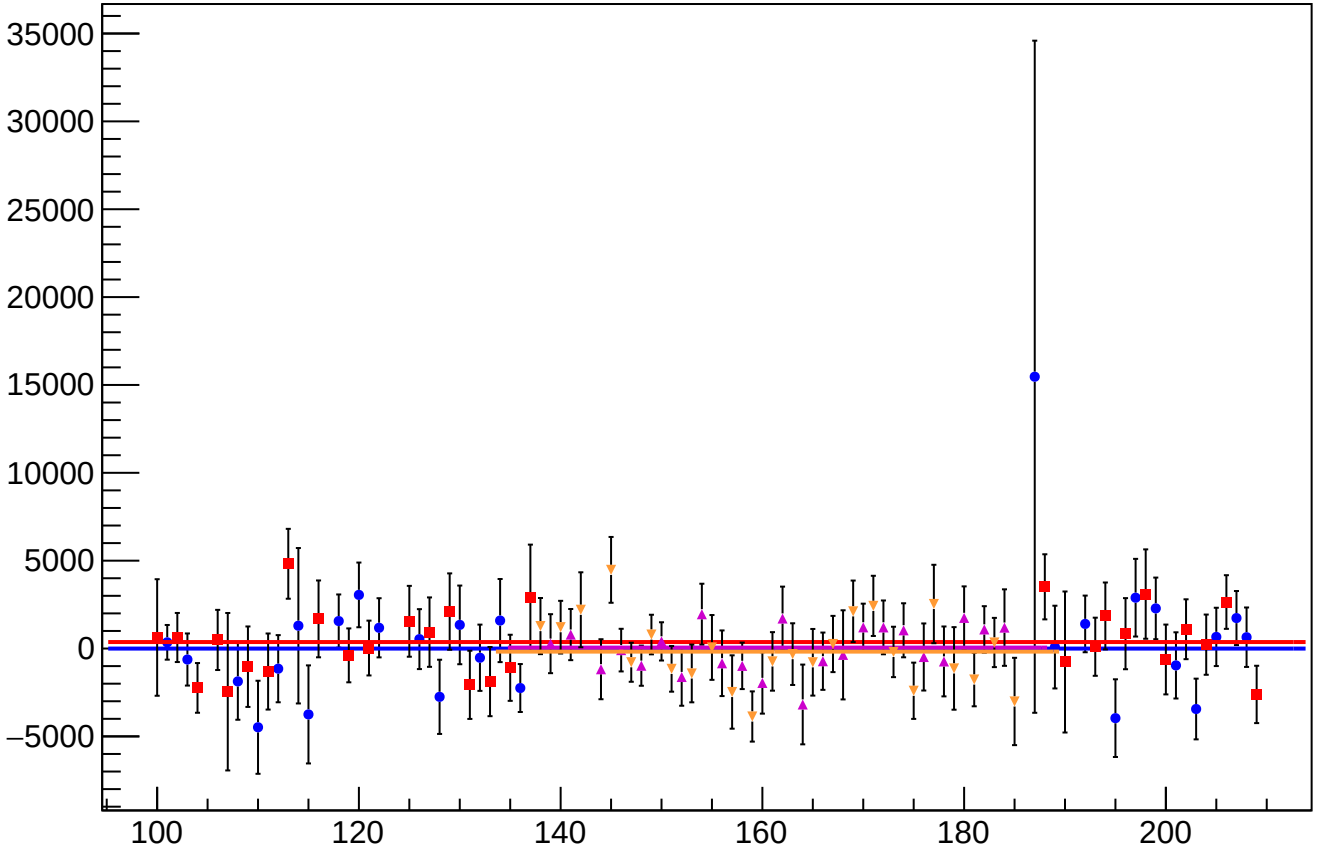
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 776.653+/-0.094 χ^2/NDF: 101465.0/50

All: 778.541+/-0.066 χ^2/NDF: 484631.5/103

- sign 780.409+/-0.093 χ^2/NDF: 382359.6/52

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -2.659+/-349.408 χ^2/NDF: 29.7/26

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

Right Out: 369.273+/-354.382 χ^2/NDF: 26.5/28

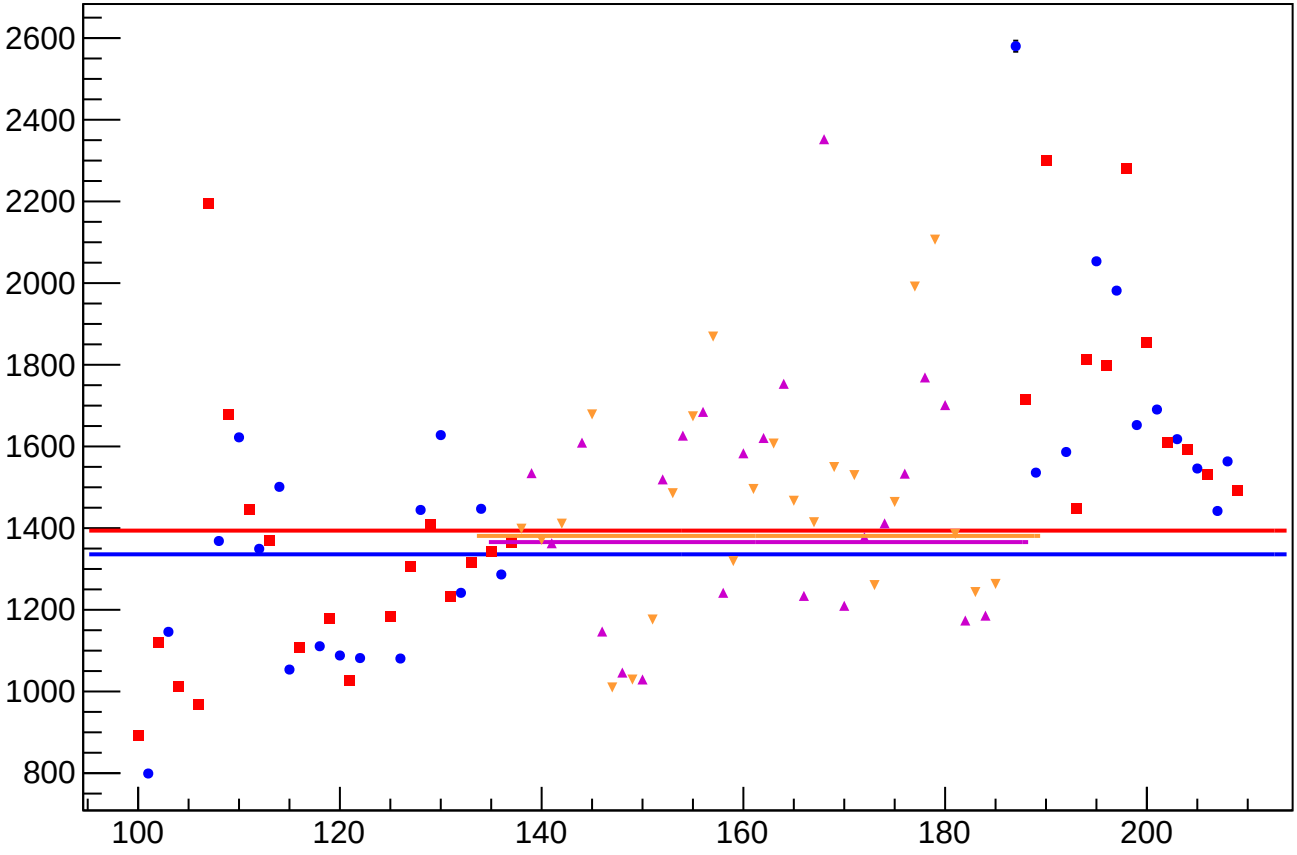
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

\+ sign -94.237+/-239.138 χ^2/NDF: 59.4/50

All: 51.336+/-169.391 χ^2/NDF: 100.1/102

\- sign 197.929+/-239.974 χ^2/NDF: 39.9/51

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1335.856+/-0.247 χ^2/NDF: 1613355.1/26

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

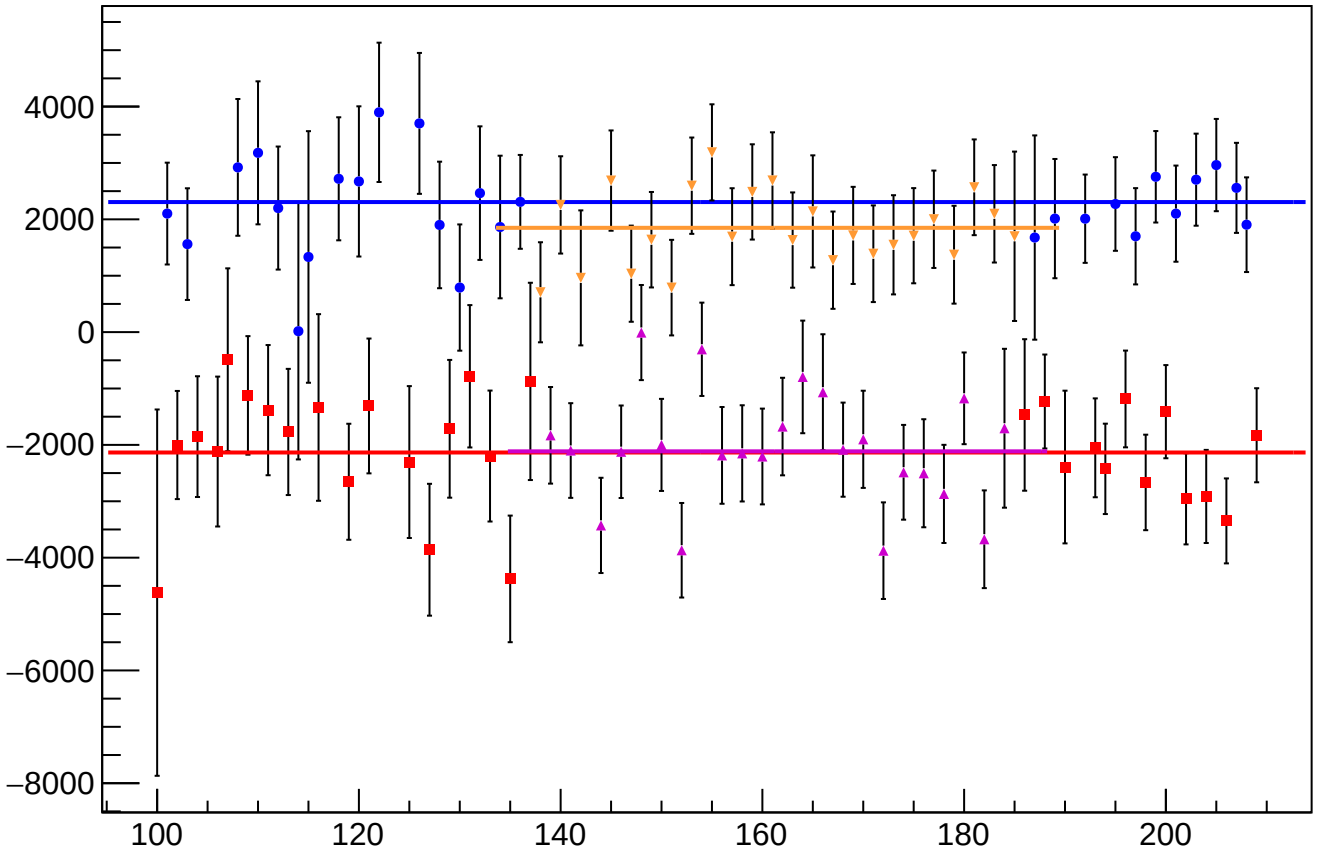
Right Out: 1393.933+/-0.251 χ^2/NDF: 1490636.6/28

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

+ sign 1359.829+/-0.169 χ^2/NDF: 2786502.4/50

All: 1369.234+/-0.120 χ^2/NDF: 5599030.2/10

- sign 1378.706+/-0.170 χ^2/NDF: 2806318.1/51



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

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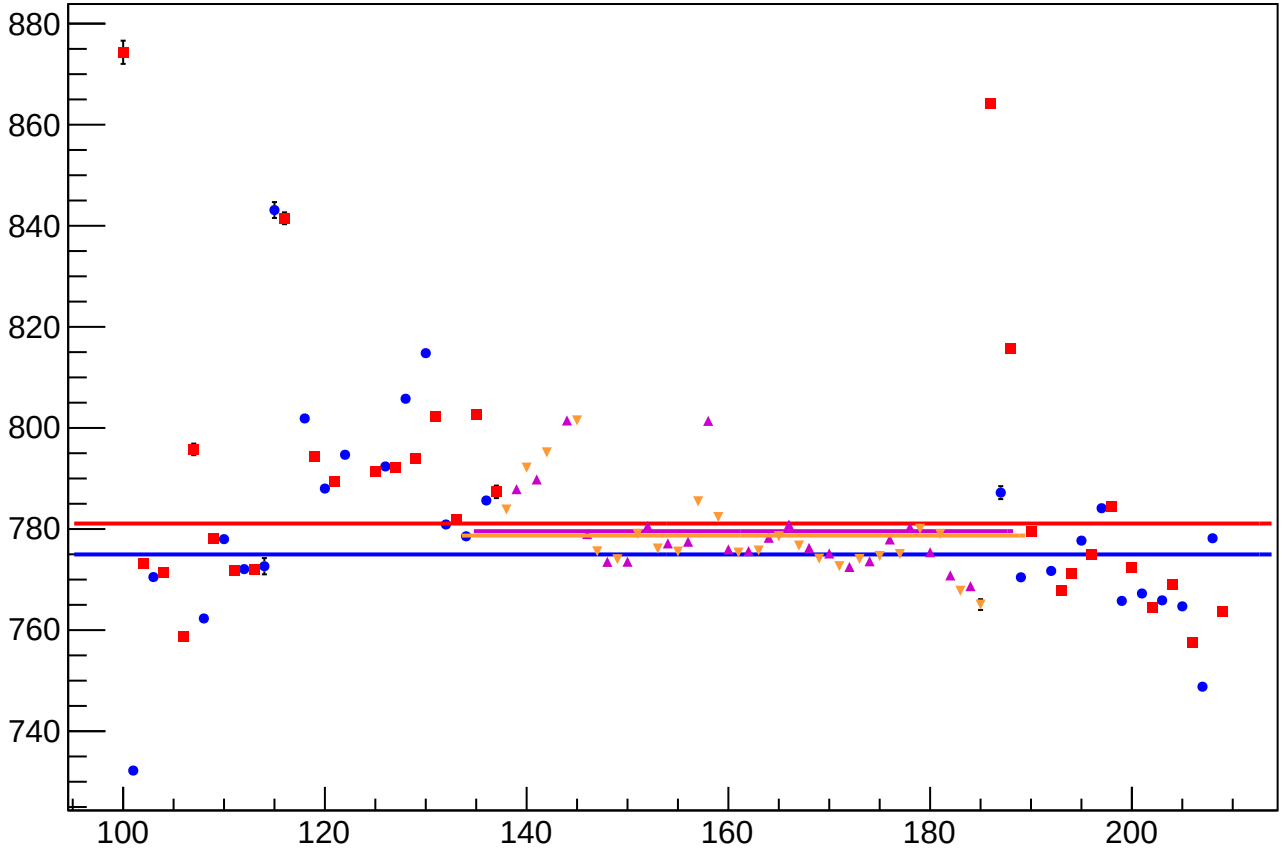
All: -48.067+/-93.292 χ^2/NDF: 581.0/103

- sign -2124.275+/-131.419 χ^2/NDF: 51.8/52

eigen_cor_asym_us_avg_rms vs Slug



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Right Out: 781.088+/-0.134 χ^2/NDF: 24229.7/29

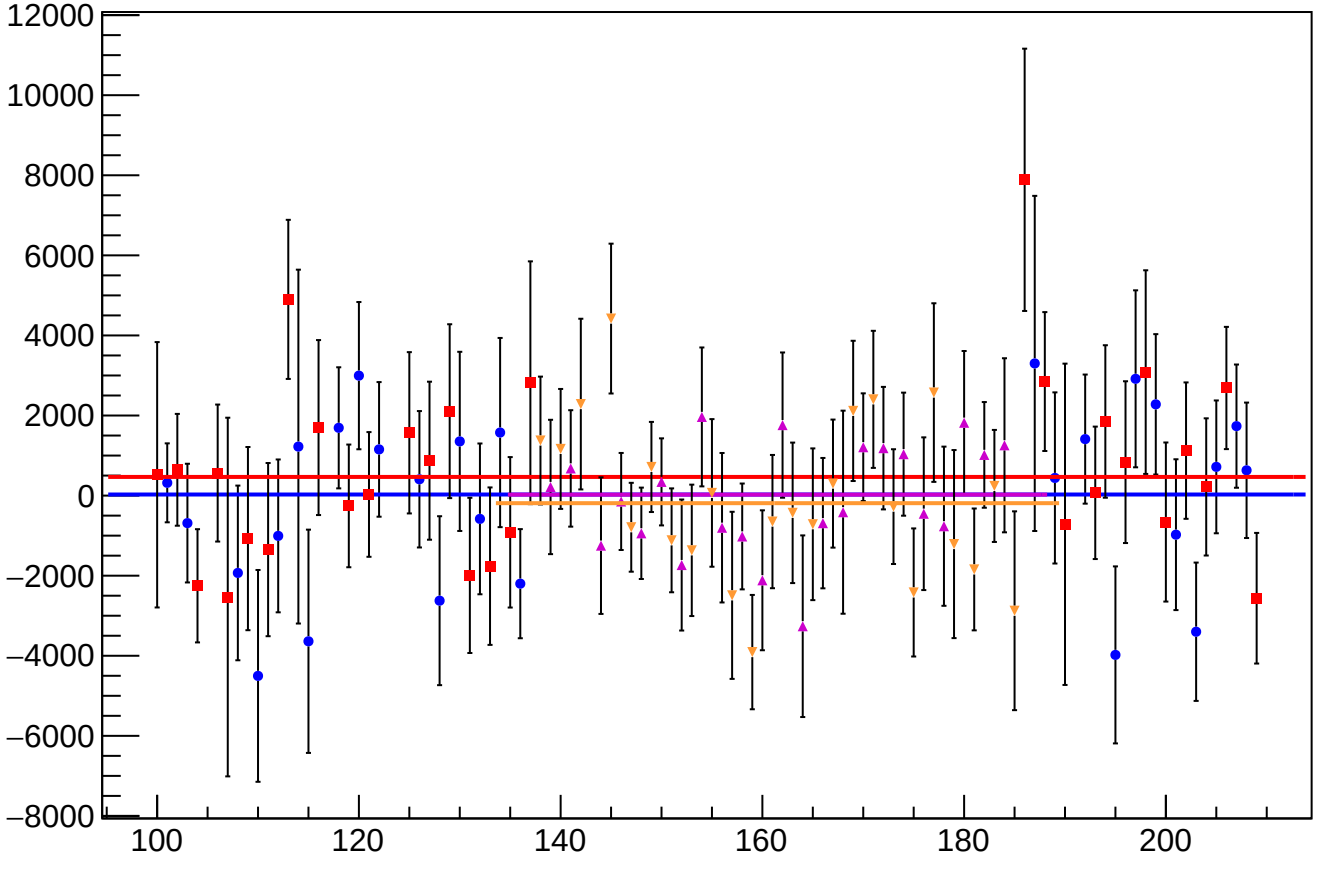
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 776.979+/-0.094 χ^2/NDF: 20737.0/50

All: 778.652+/-0.066 χ^2/NDF: 49839.1/103

- sign 780.299+/-0.093 χ^2/NDF: 28468.8/52

asym_us_avg_eigen_cor_correction_mean vs Slug



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

+ sign -87.106+/-238.306 χ^2/NDF: 59.2/50

All: 70.312+/-168.702 χ^2/NDF: 105.1/103

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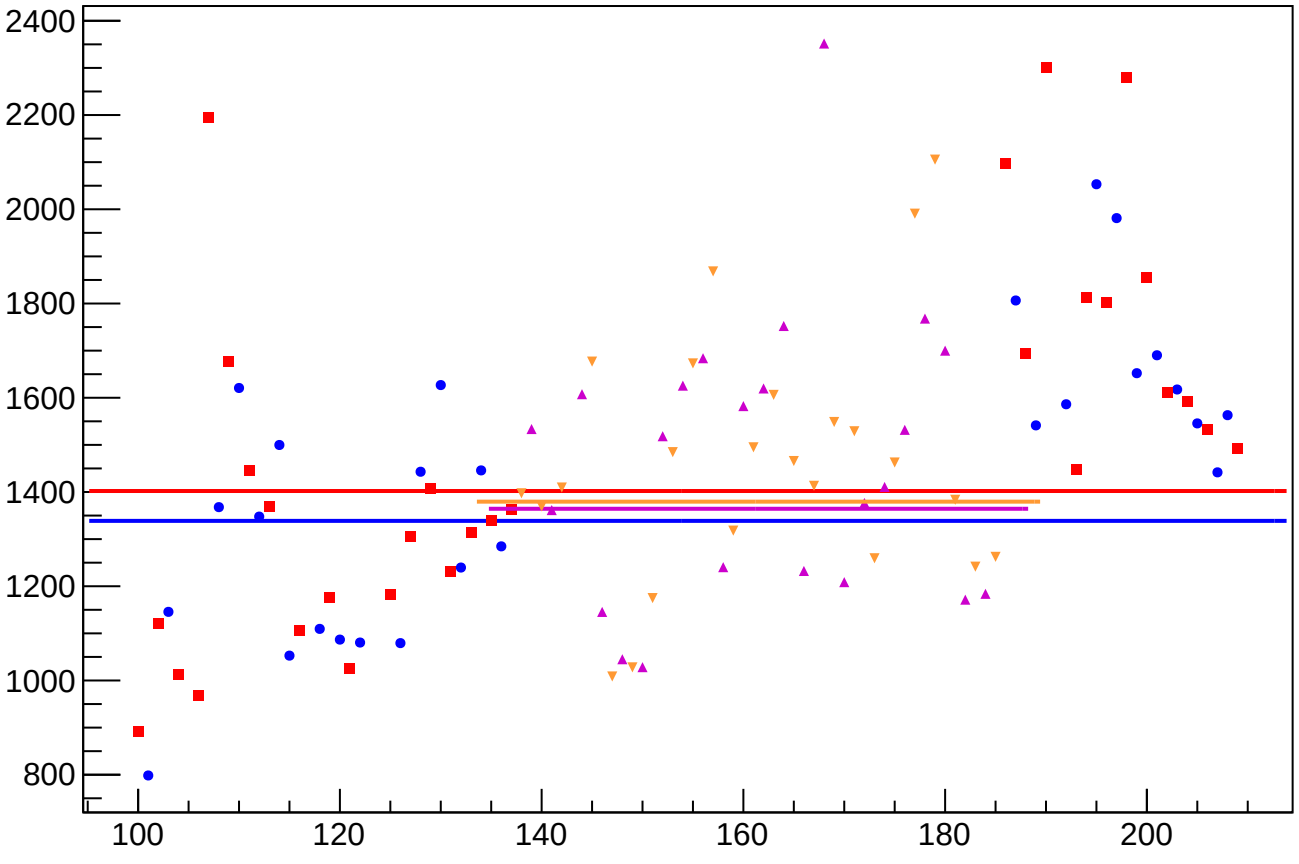

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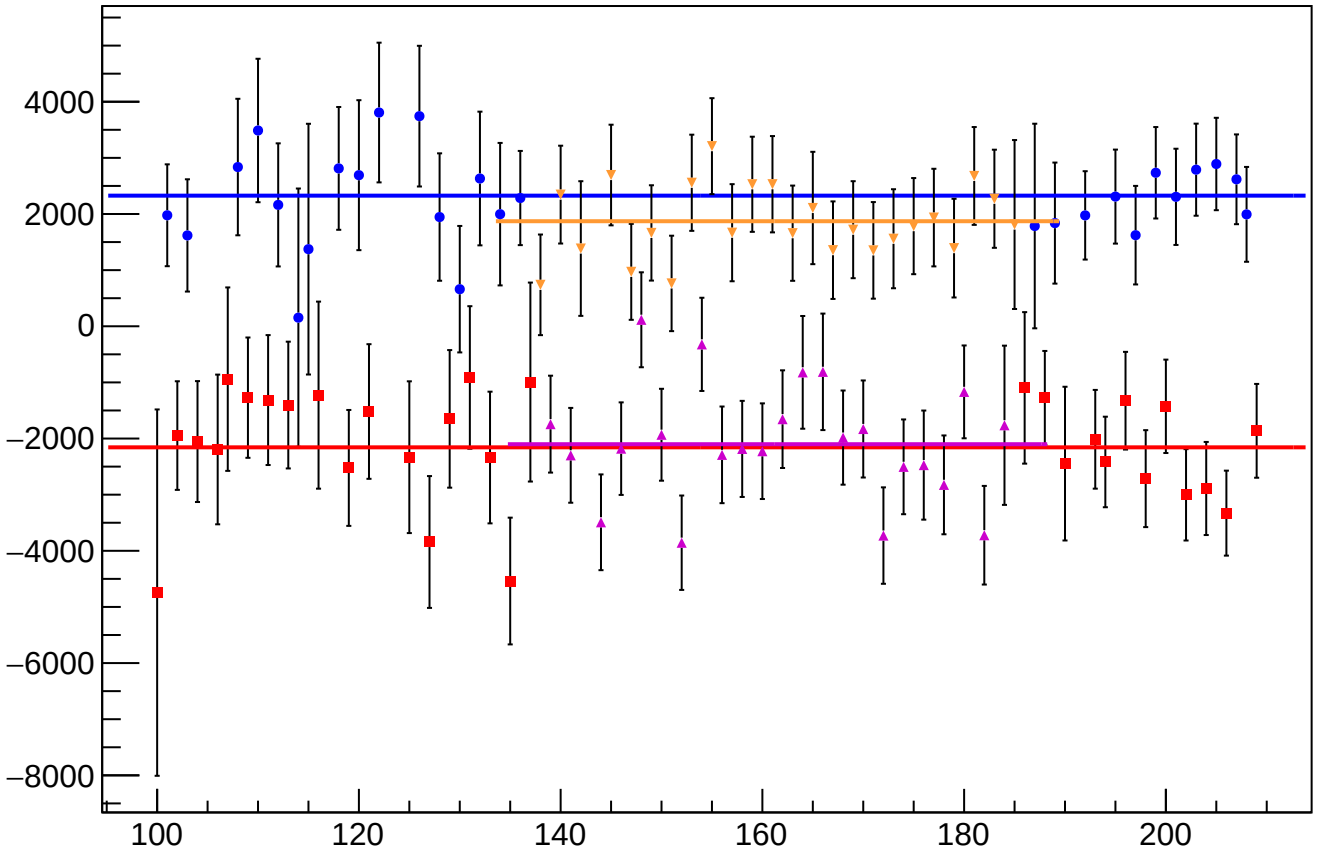
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1360.313+/-0.169 χ^2/NDF: 2811328.9/50

All: 1371.057+/-0.119 χ^2/NDF: 5732132.0/10

- sign 1381.851+/-0.169 χ^2/NDF: 2912653.0/52



Right In: 2326.947+/-196.081 χ^2/NDF: 10.6/26

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

Right Out: -2156.729+/-191.257 χ^2/NDF: 20.1/29

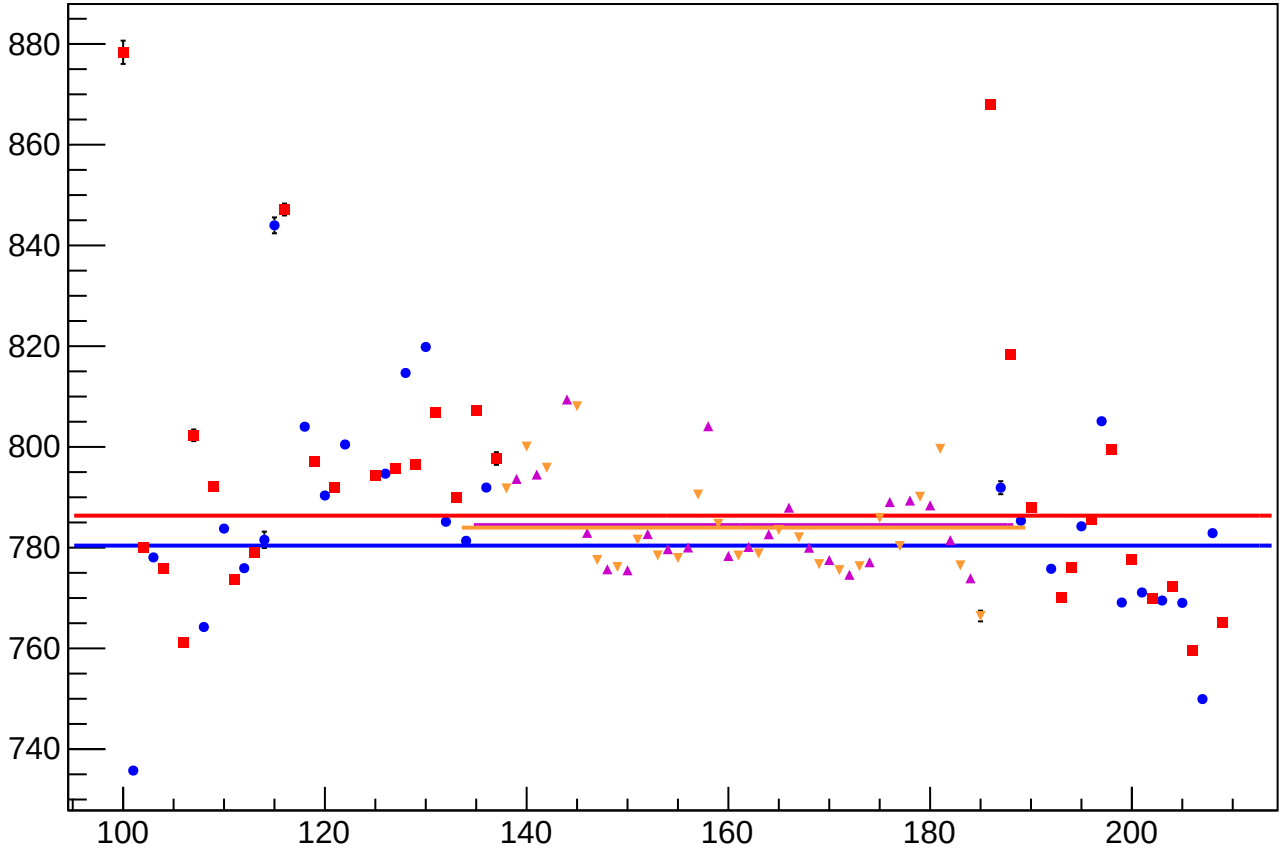
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2082.232+/-133.385 χ^2/NDF: 26.0/50

All: -40.062+/-93.928 χ^2/NDF: 580.1/103

- sign -2127.687+/-132.291 χ^2/NDF: 51.9/52

dit_asym_us_avg_rms vs Slug



Right In: 780.409+/-0.139 χ^2/NDF: 19477.5/26

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

Right Out: 786.355+/-0.135 χ^2/NDF: 24855.8/29

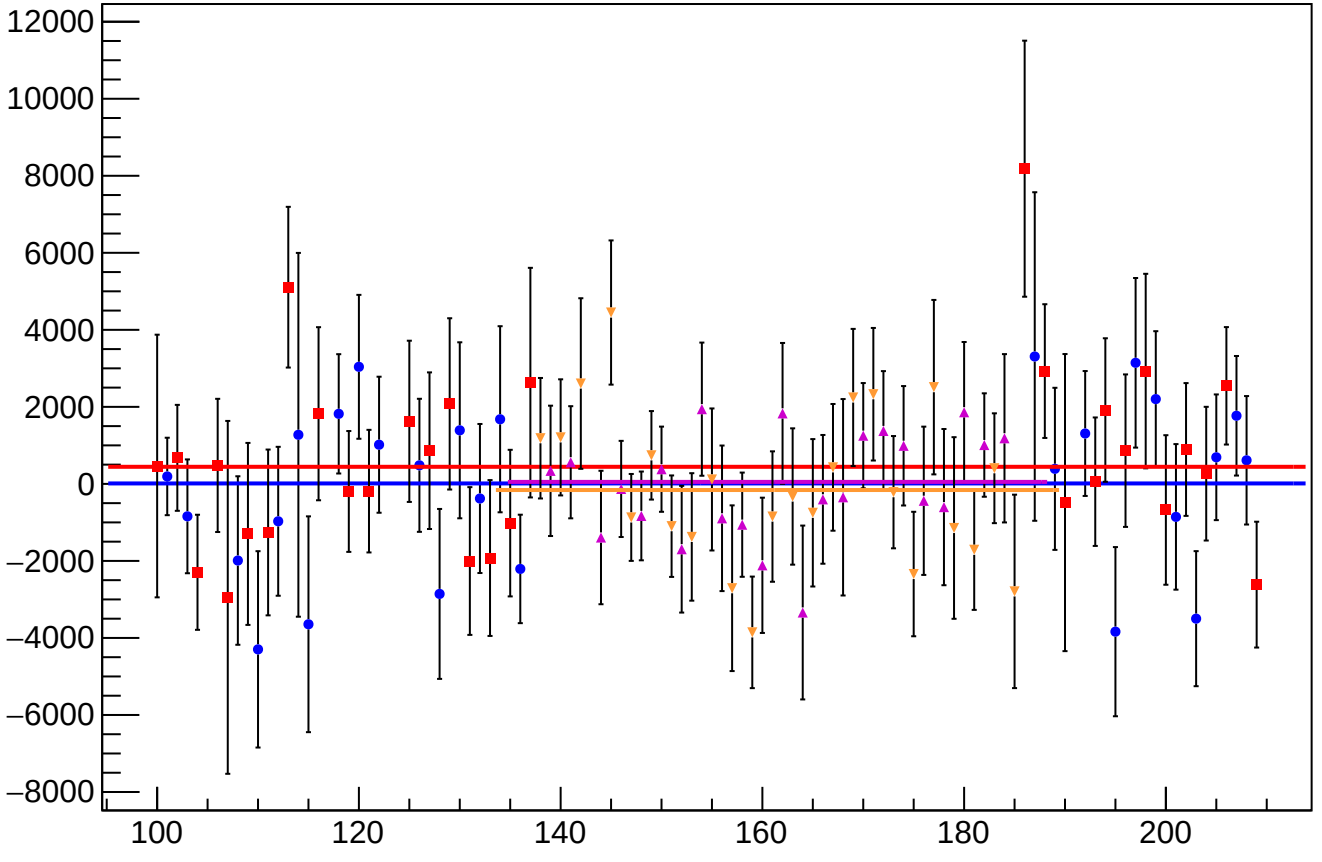
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 782.328+/-0.094 χ^2/NDF: 24762.2/50

All: 783.863+/-0.066 χ^2/NDF: 55172.1/103

- sign 785.373+/-0.094 χ^2/NDF: 29884.6/52

asym_us_avg_dit_correction_mean vs Slug



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: 443.739+/-355.049 χ^2/NDF: 30.9/29

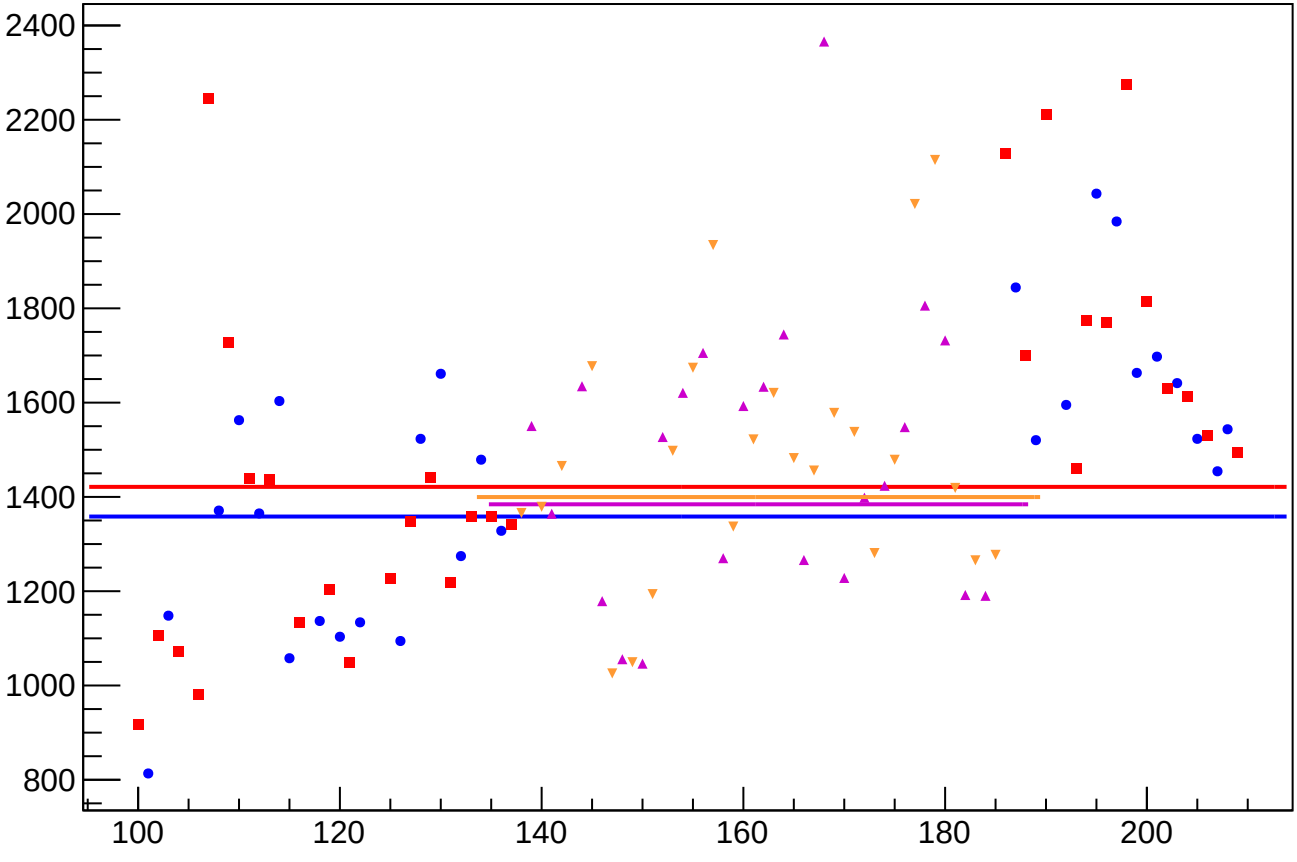
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -78.583+/-241.387 χ^2/NDF: 58.5/50

All: 77.280+/-170.831 χ^2/NDF: 104.3/103

- sign 233.673+/-241.797 χ^2/NDF: 44.9/52

asym_us_avg_dit_correction_rms vs Slug



Right In: 1358.377+/-0.248 χ^2/NDF: 1547976.5/26

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

Right Out: 1421.304+/-0.251 χ^2/NDF: 1454069.5/29

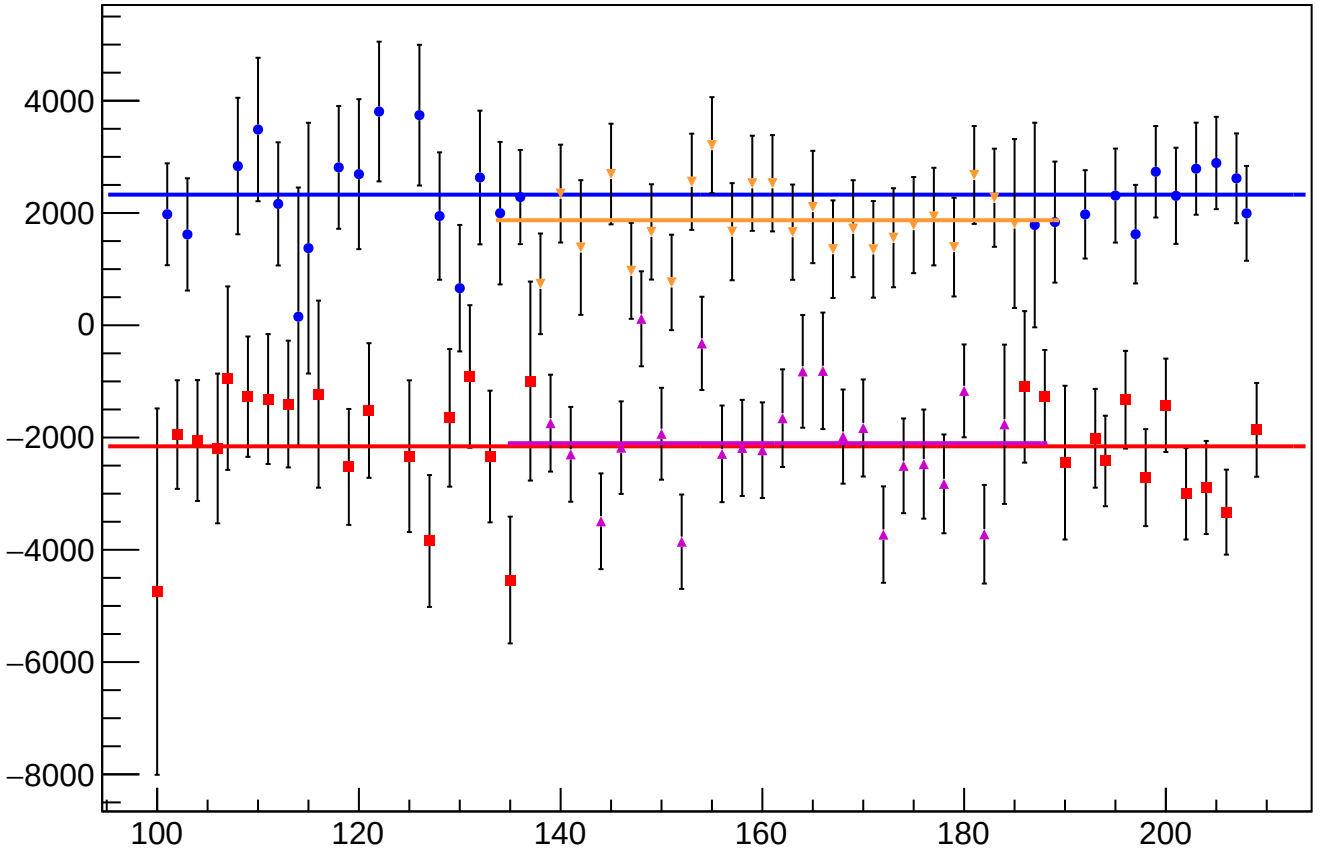
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1380.206+/-0.171 χ^2/NDF: 2698945.2/50

All: 1390.825+/-0.121 χ^2/NDF: 5442334.0/10

- sign 1401.480+/-0.171 χ^2/NDF: 2735634.2/52

eigen_dit_asym_us_avg_mean vs Slug



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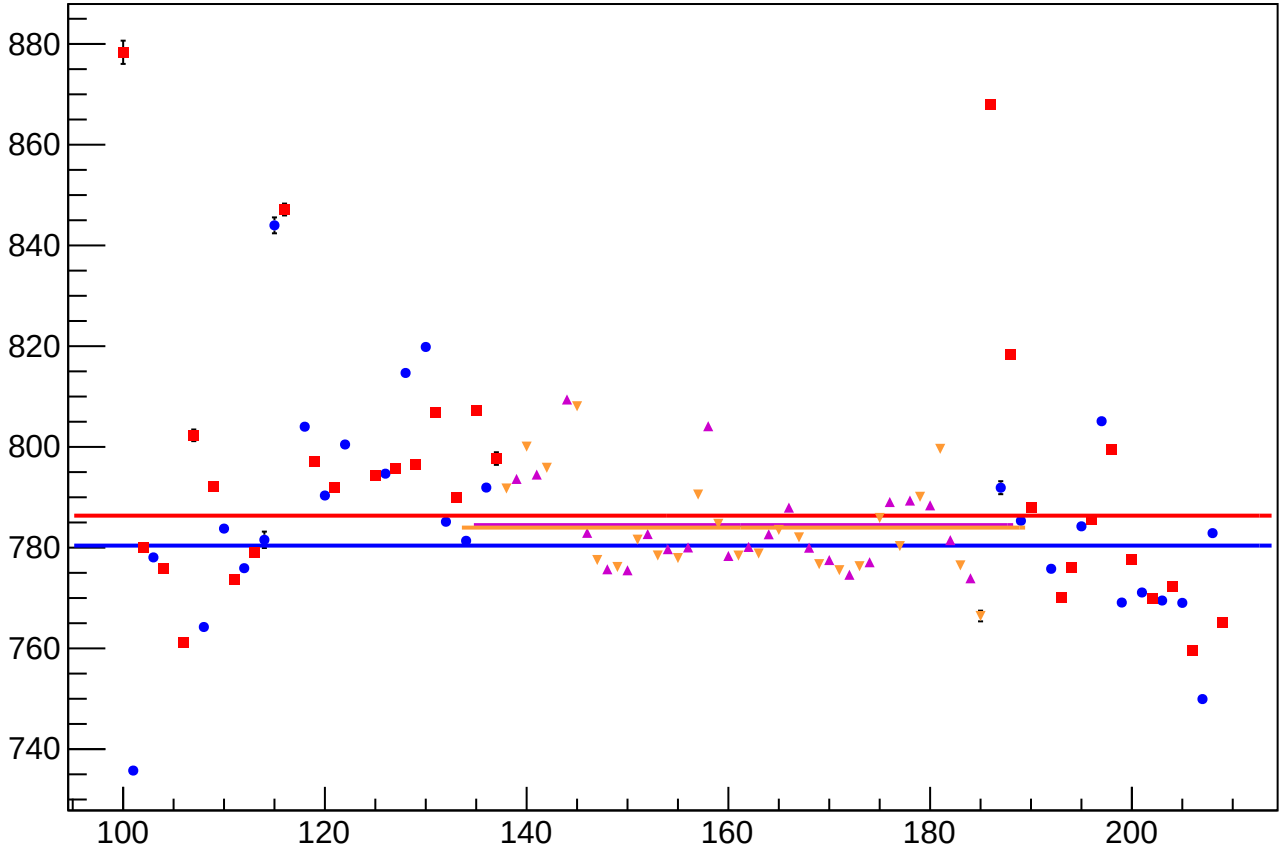
eigen_dit_asym_us_avg_rms vs Slug



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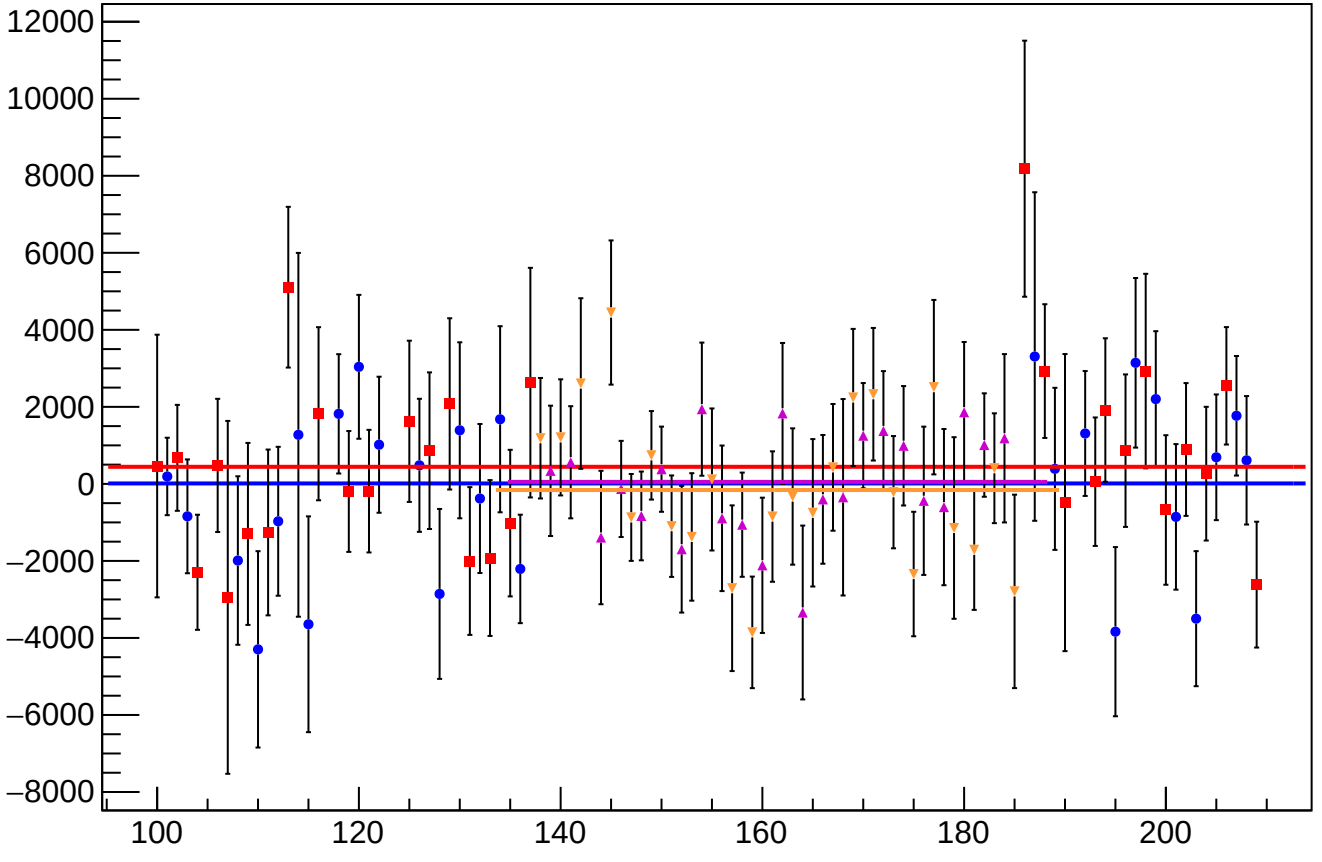
All: 783.863+/-0.066 χ^2/NDF: 55172.0/103

- sign 785.373+/-0.094 χ^2/NDF: 29884.5/52

asym_us_avg_eigen_dit_correction_mean vs Slug



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

Right Out: 443.736+/-355.049 χ^2/NDF: 30.9/29

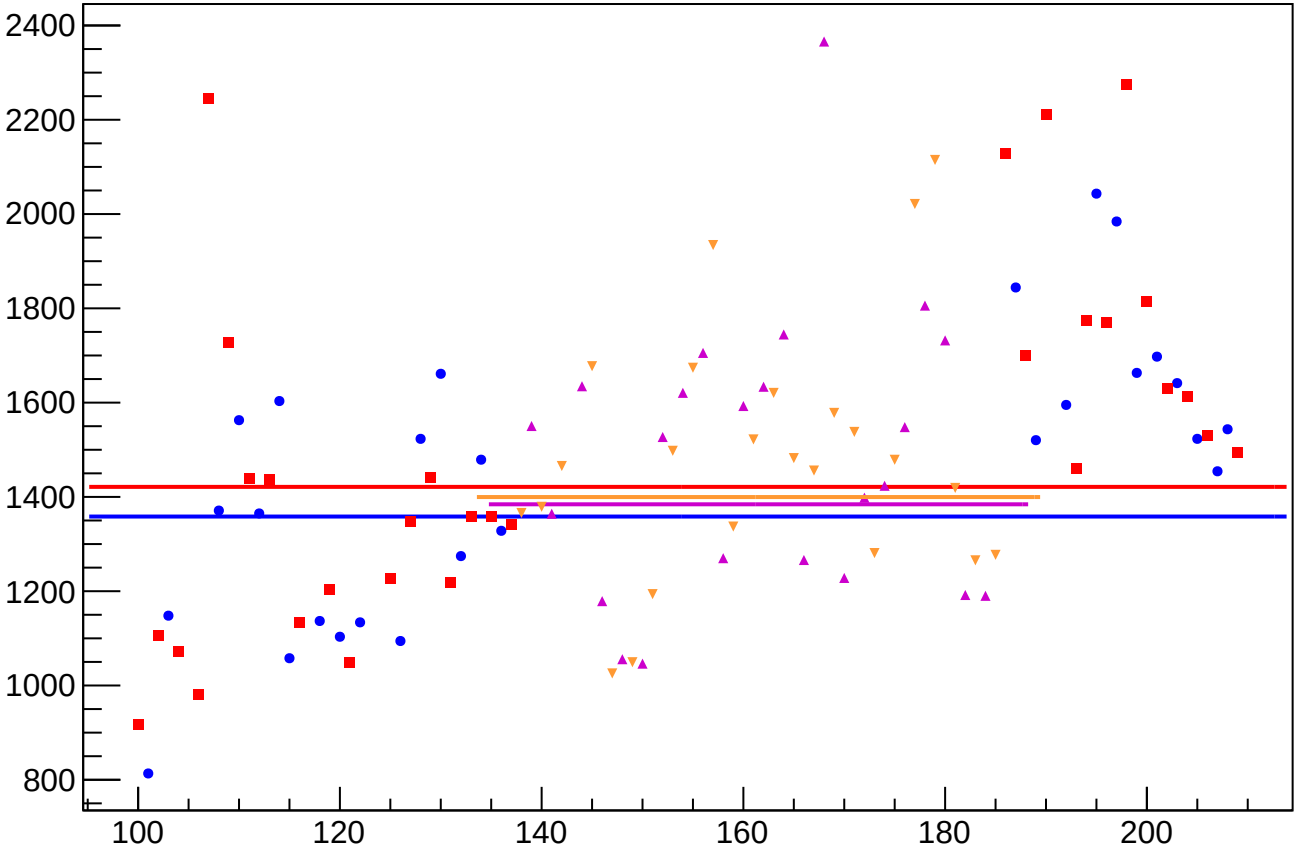
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -78.585+/-241.387 χ^2/NDF: 58.5/50

All: 77.279+/-170.831 χ^2/NDF: 104.3/103

- sign 233.672+/-241.797 χ^2/NDF: 44.9/52

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1358.376+/-0.248 χ^2/NDF: 1547994.2/26

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

Right Out: 1421.302+/-0.251 χ^2/NDF: 1454088.4/29

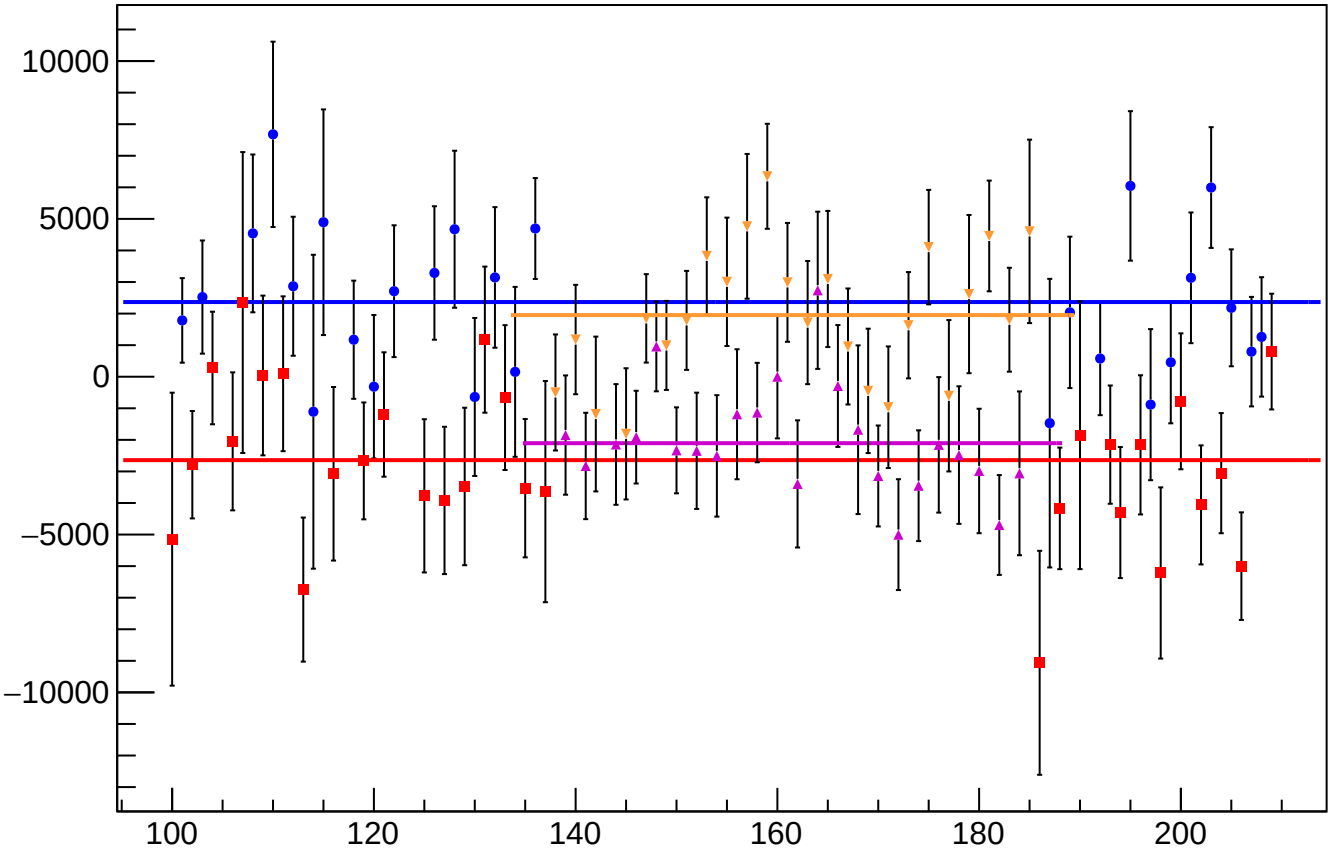
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1380.206+/-0.171 χ^2/NDF: 2698966.9/50

All: 1390.826+/-0.121 χ^2/NDF: 5442372.1/10

- sign 1401.481+/-0.171 χ^2/NDF: 2735650.6/52

asym_us_avg_mean vs Slug



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

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

Right Out: -2642.567+/-407.753 χ^2/NDF: 29.8/29

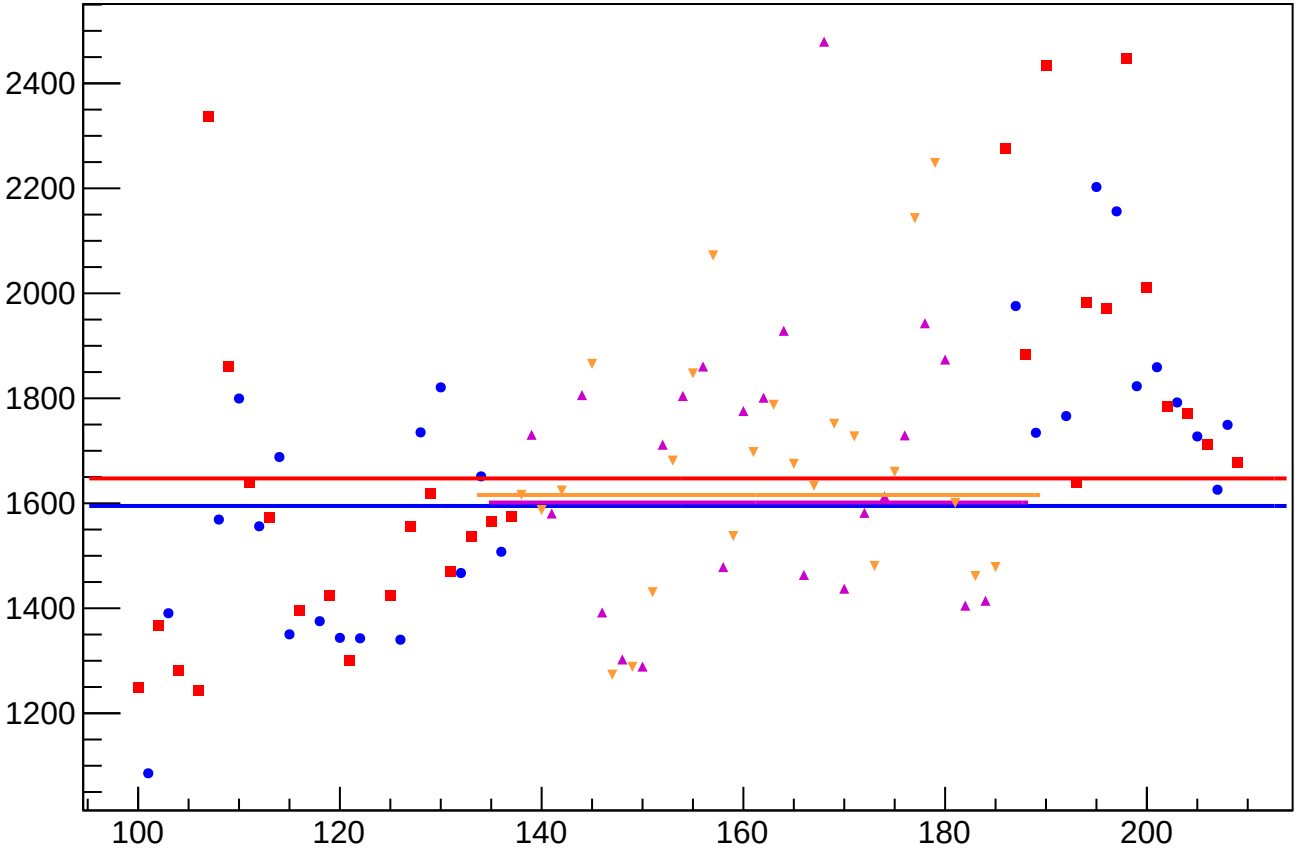
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2144.698+/-278.067 χ^2/NDF: 52.3/50

All: -108.461+/-196.466 χ^2/NDF: 232.7/103

- sign -2354.422+/-277.622 χ^2/NDF: 49.4/52

asym_us_avg_rms vs Slug



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

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

Right Out: 1647.369+/-0.288 χ^2/NDF: 936540.0/29

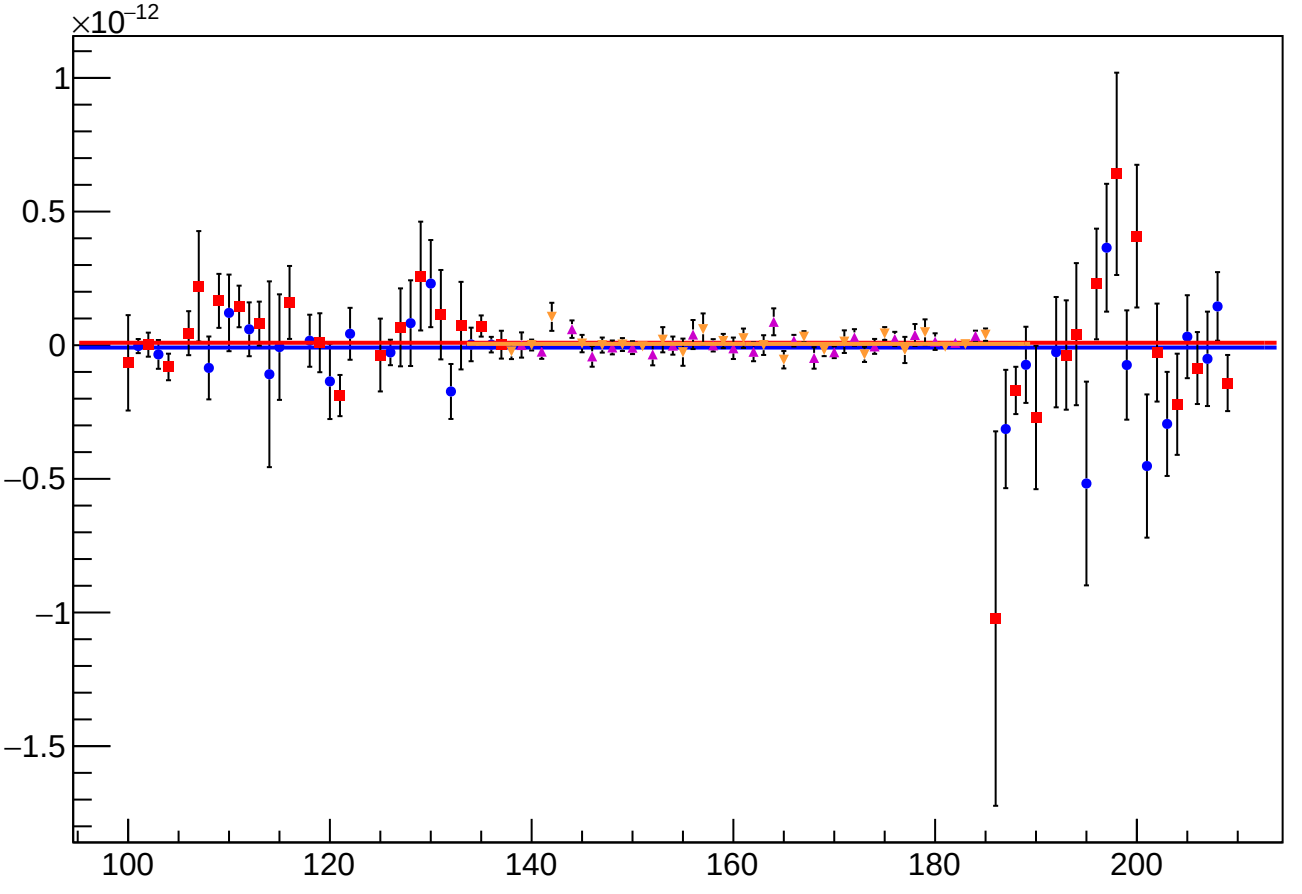
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1606.101+/-0.197 χ^2/NDF: 1565763.7/50

All: 1614.445+/-0.139 χ^2/NDF: 3313200.5/10

- sign 1622.761+/-0.196 χ^2/NDF: 1743841.4/52

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/26

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

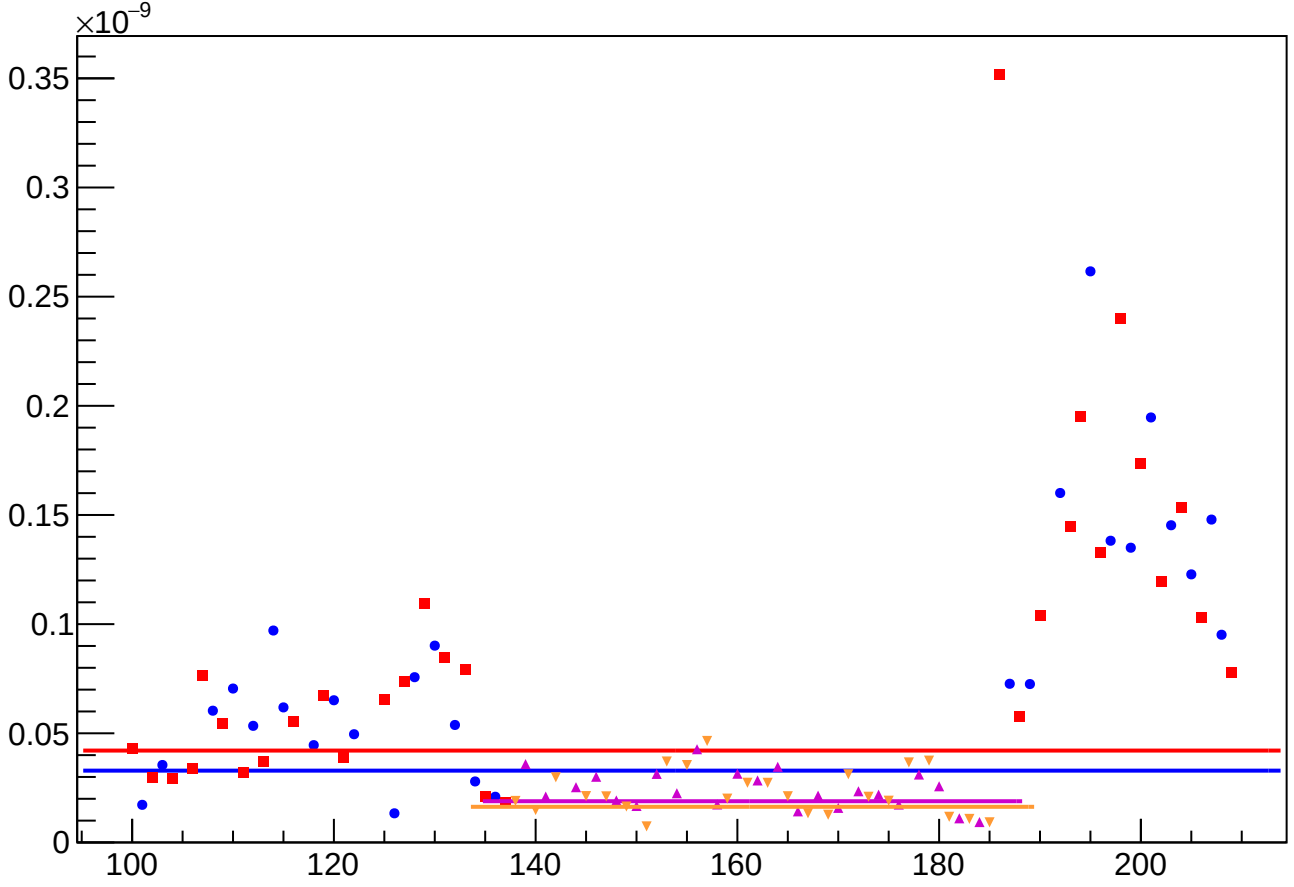
Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/50

All: 0.000+/-0.000 χ^2/NDF: 103.9/103

- sign 0.000+/-0.000 χ^2/NDF: 60.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 8470733.2/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6970284.0/29

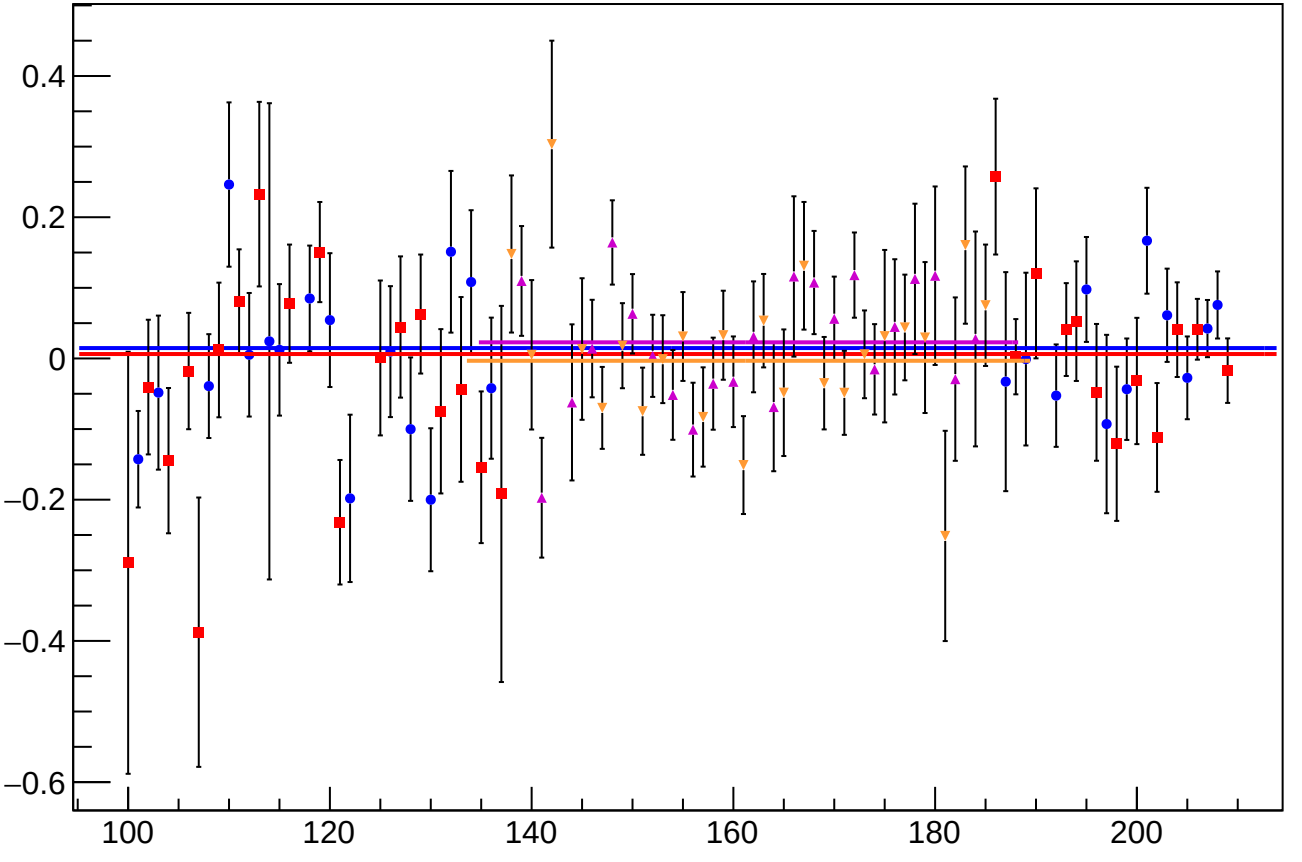
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14993699.0/50

All: 0.000+/-0.000 χ^2/NDF: 28888338.5/103

- sign 0.000+/-0.000 χ^2/NDF: 13558261.3/52

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

Right Out: 0.006+/-0.015 χ^2/NDF: 40.0/29

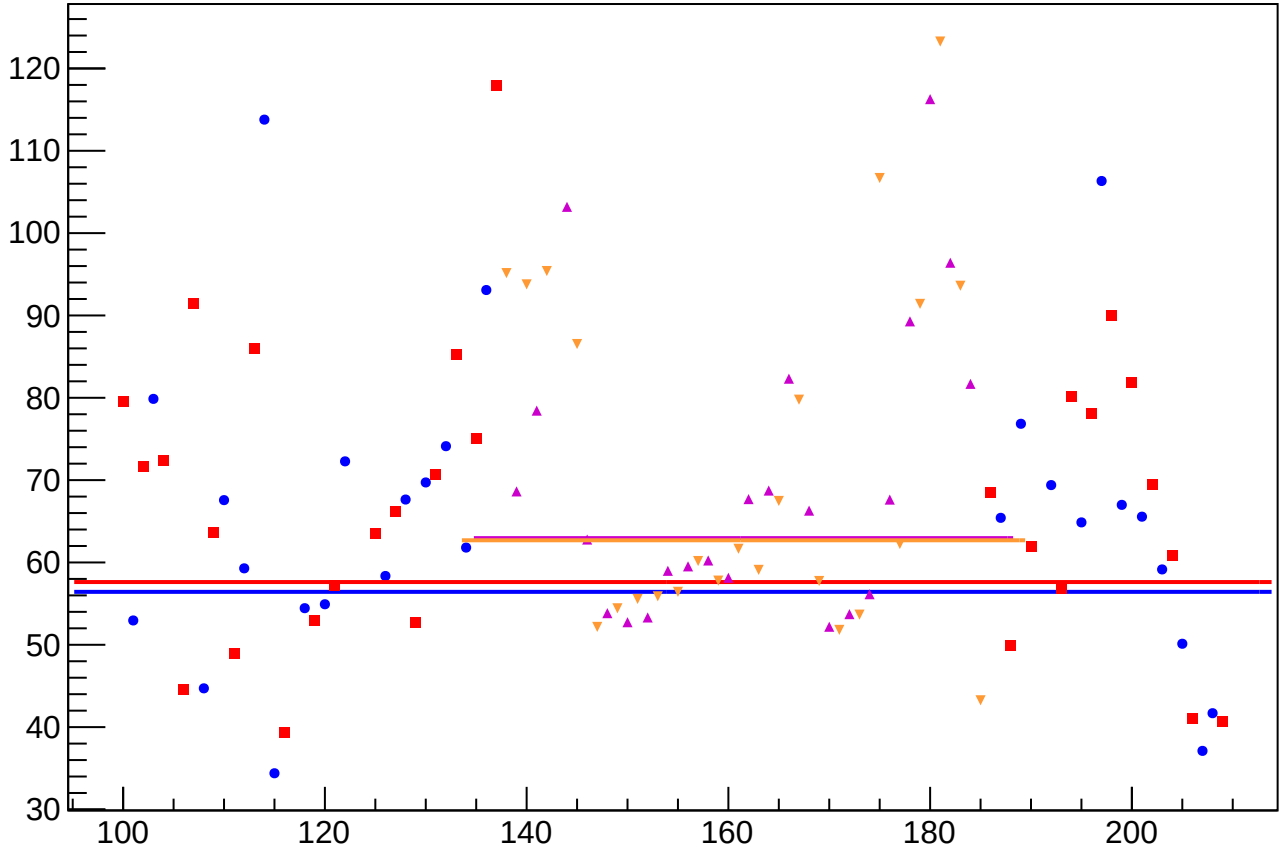
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/50

All: 0.010+/-0.008 χ^2/NDF: 130.0/103

- sign 0.014+/-0.011 χ^2/NDF: 69.5/52

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

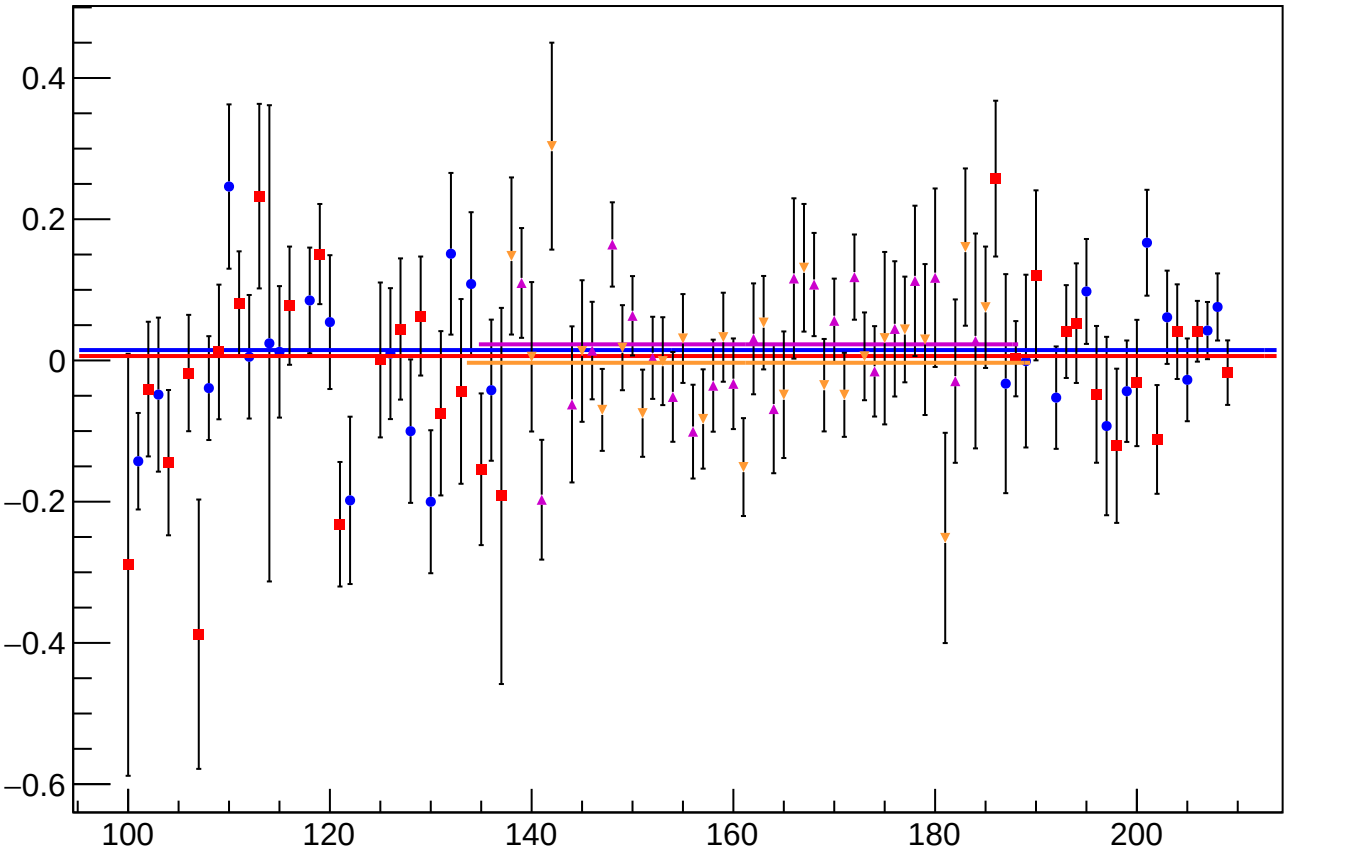
Right Out: 57.622+/-0.011 χ^2/NDF: 1981097.3/29

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

\+ sign 59.533+/-0.008 χ^2/NDF: 4073733.2/50

All: 59.882+/-0.005 χ^2/NDF: 7610630.7/103

\- sign 60.226+/-0.008 χ^2/NDF: 3532834.8/52



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

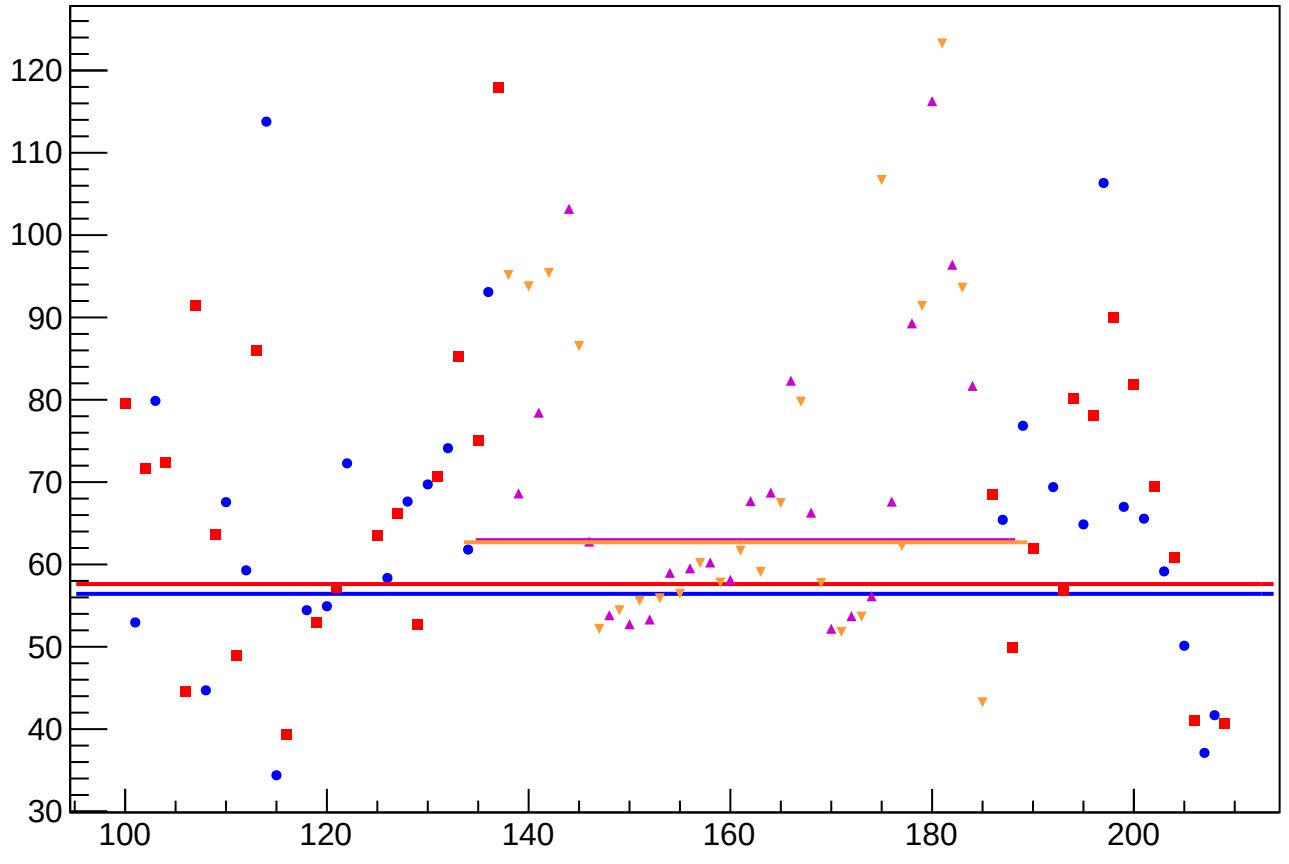
Right Out: 0.006+/-0.015 χ^2/NDF: 40.0/29

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/50

All: 0.010+/-0.008 χ^2/NDF: 130.0/103

- sign 0.014+/-0.011 χ^2/NDF: 69.5/52



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

Right Out: 57.622+/-0.011 χ^2/NDF: 1981097.3/29

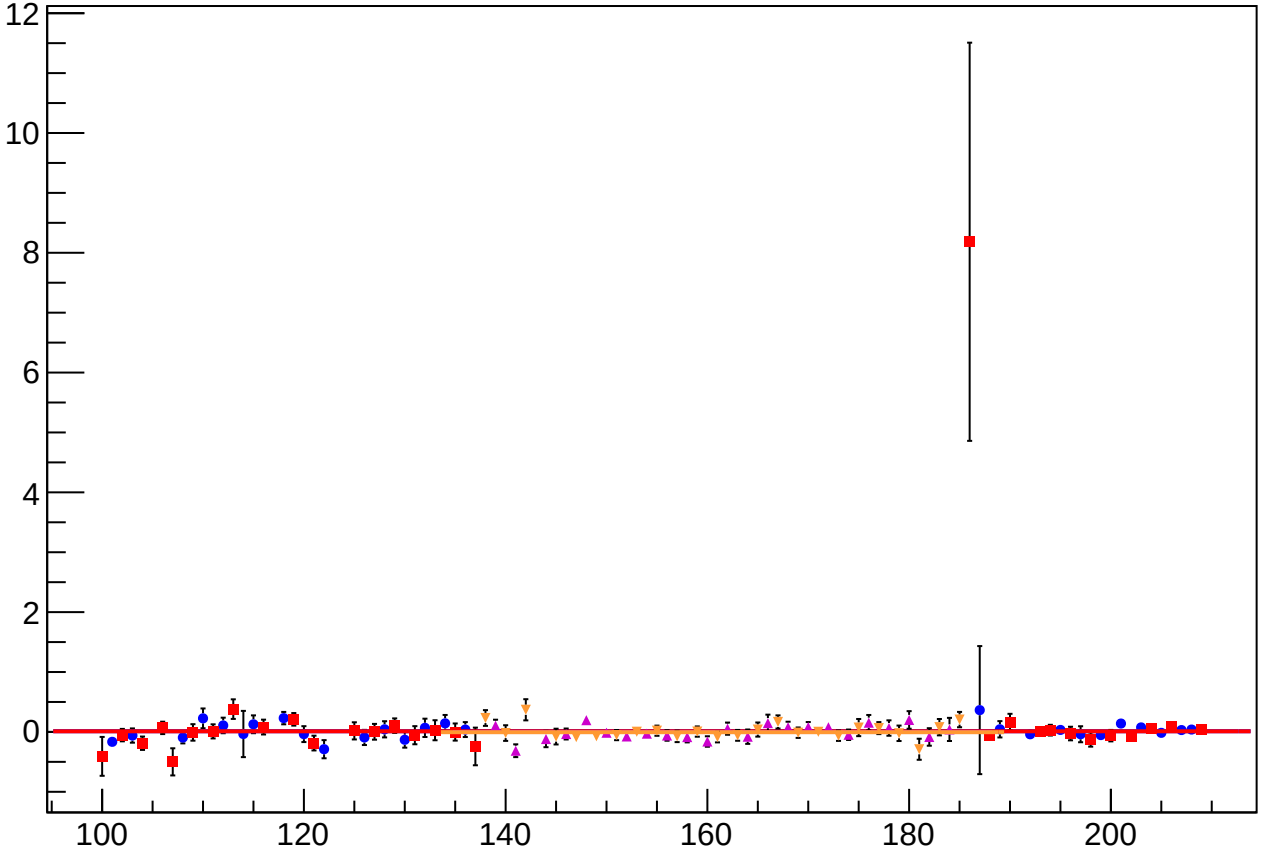
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 59.533+/-0.008 χ^2/NDF: 4073733.2/50

All: 59.882+/-0.005 χ^2/NDF: 7610630.7/103

- sign 60.226+/-0.008 χ^2/NDF: 3532834.8/52

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: 0.011+/-0.019 χ^2/NDF: 38.3/29

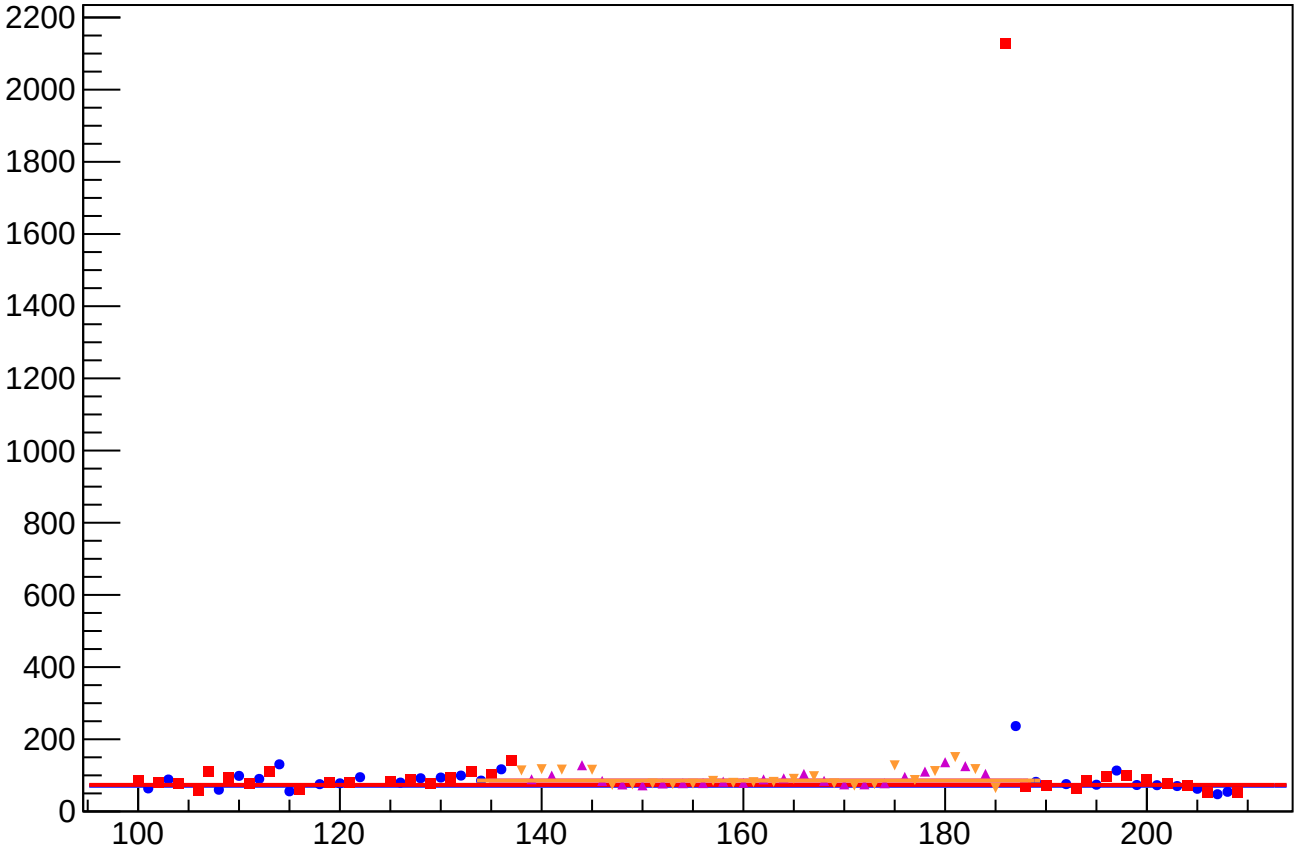
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.004+/-0.014 χ^2/NDF: 47.4/50

All: 0.005+/-0.010 χ^2/NDF: 116.4/103

- sign 0.005+/-0.014 χ^2/NDF: 69.0/52

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 71.298+/-0.014 χ^2/NDF: 1639888.4/26

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

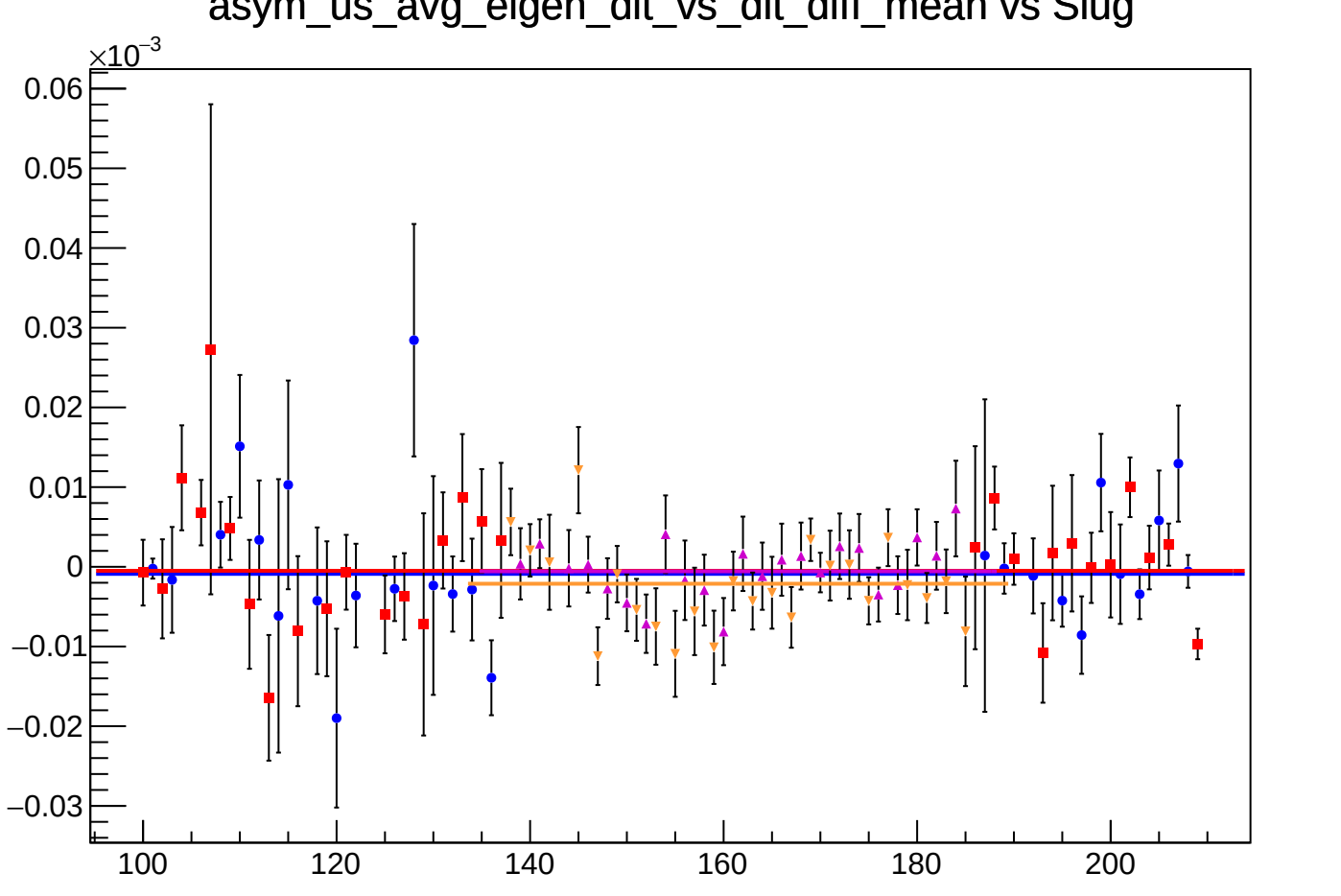
Right Out: 73.607+/-0.014 χ^2/NDF: 2227087.9/29

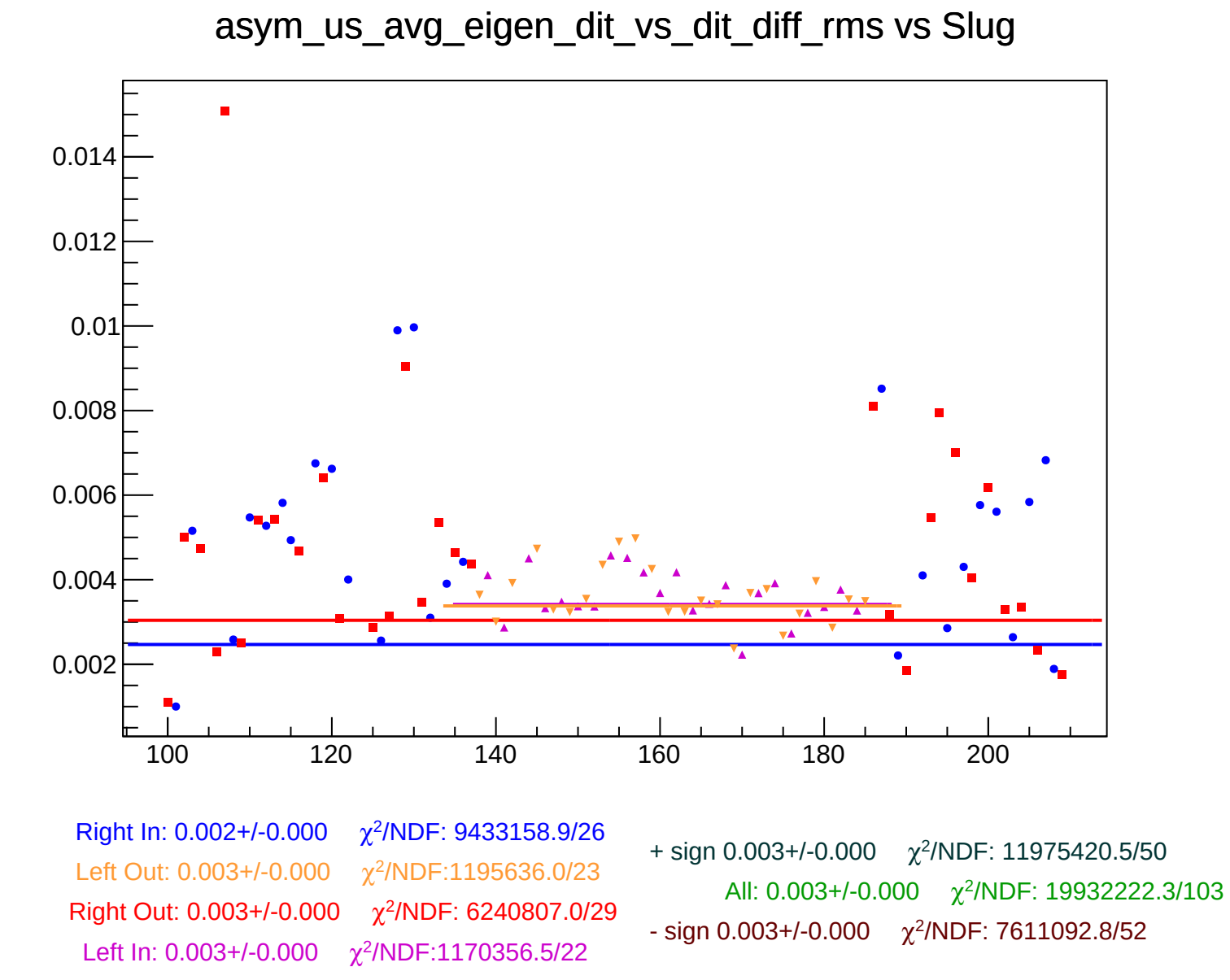
Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

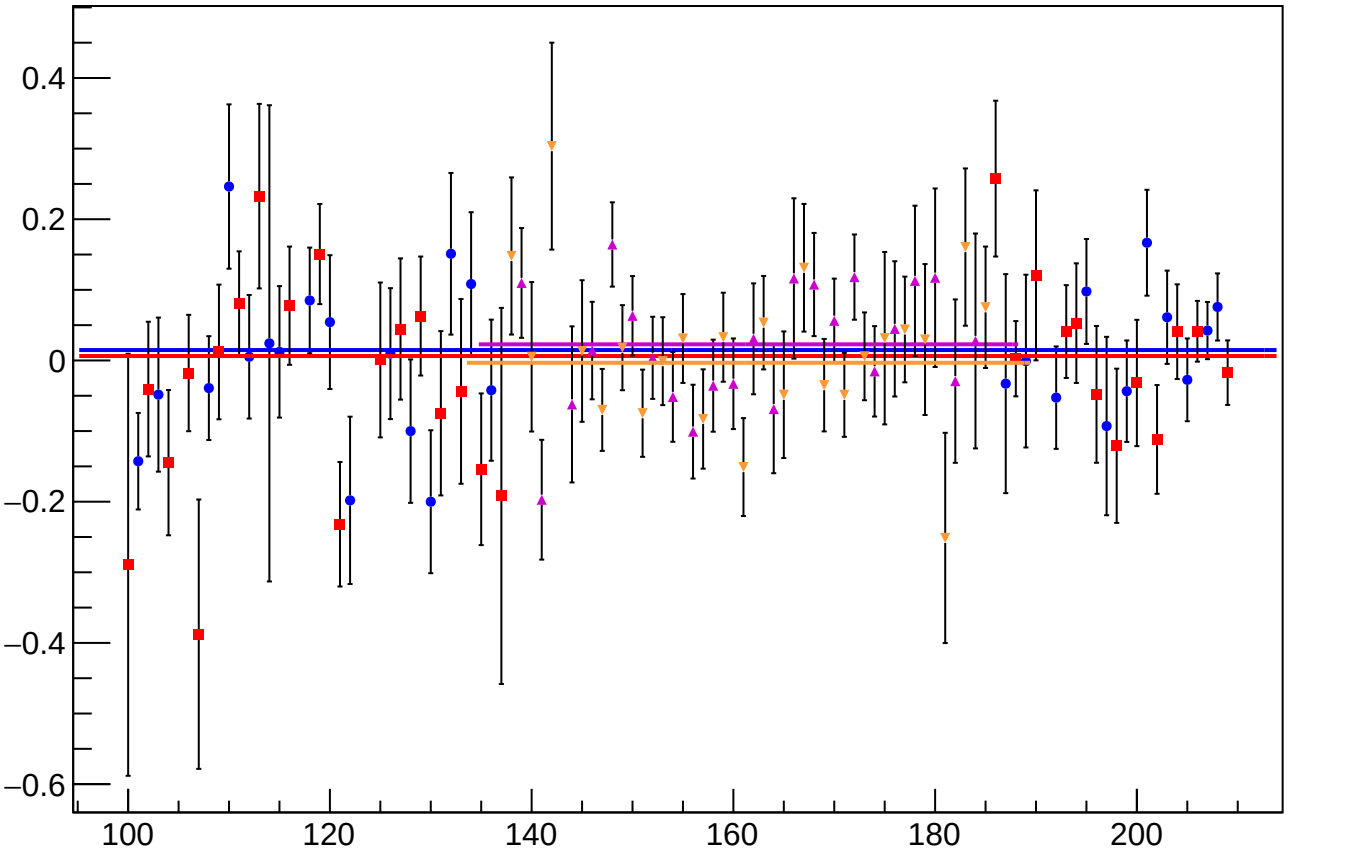
+ sign 77.919+/-0.010 χ^2/NDF: 3511473.4/50

All: 78.548+/-0.007 χ^2/NDF: 7109555.7/103

- sign 79.177+/-0.010 χ^2/NDF: 3590065.4/52


asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.9/26
Left Out: -0.000+/-0.000 χ²/NDF:37.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 60.2/29
Left In: -0.000+/-0.000 χ²/NDF:16.6/22
+ sign -0.000+/-0.000 χ²/NDF: 72.5/50
All: -0.000+/-0.000 χ²/NDF: 150.7/103
- sign -0.000+/-0.000 χ²/NDF: 76.8/52


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 9433158.9/26
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 6240807.0/29
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
+ sign 0.003+/-0.000 χ²/NDF: 11975420.5/50
All: 0.003+/-0.000 χ²/NDF: 19932222.3/103
- sign 0.003+/-0.000 χ²/NDF: 7611092.8/52



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

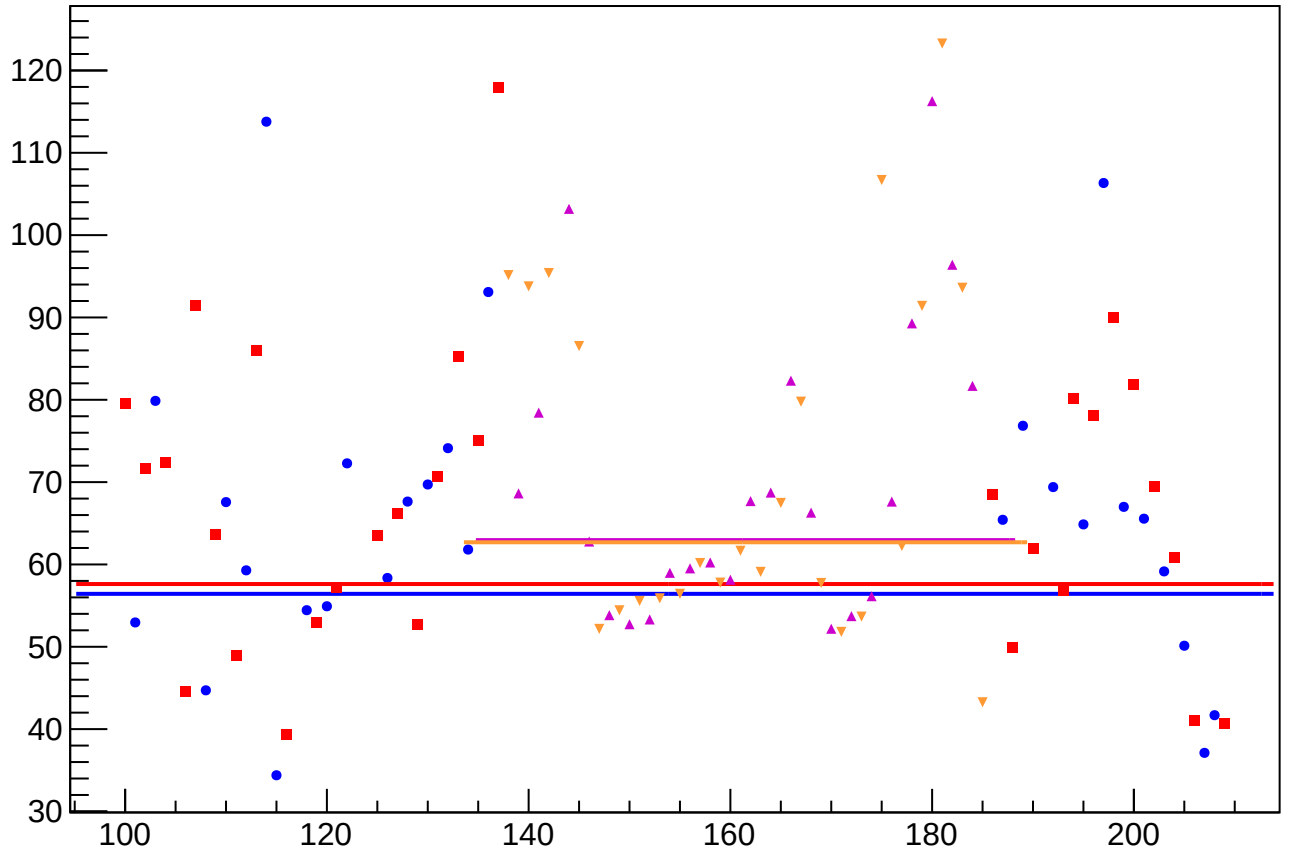
Right Out: 0.006+/-0.015 χ^2/NDF: 40.0/29

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

+ sign 0.006+/-0.011 χ^2/NDF: 60.2/50

All: 0.010+/-0.008 χ^2/NDF: 130.0/103

- sign 0.014+/-0.011 χ^2/NDF: 69.5/52



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

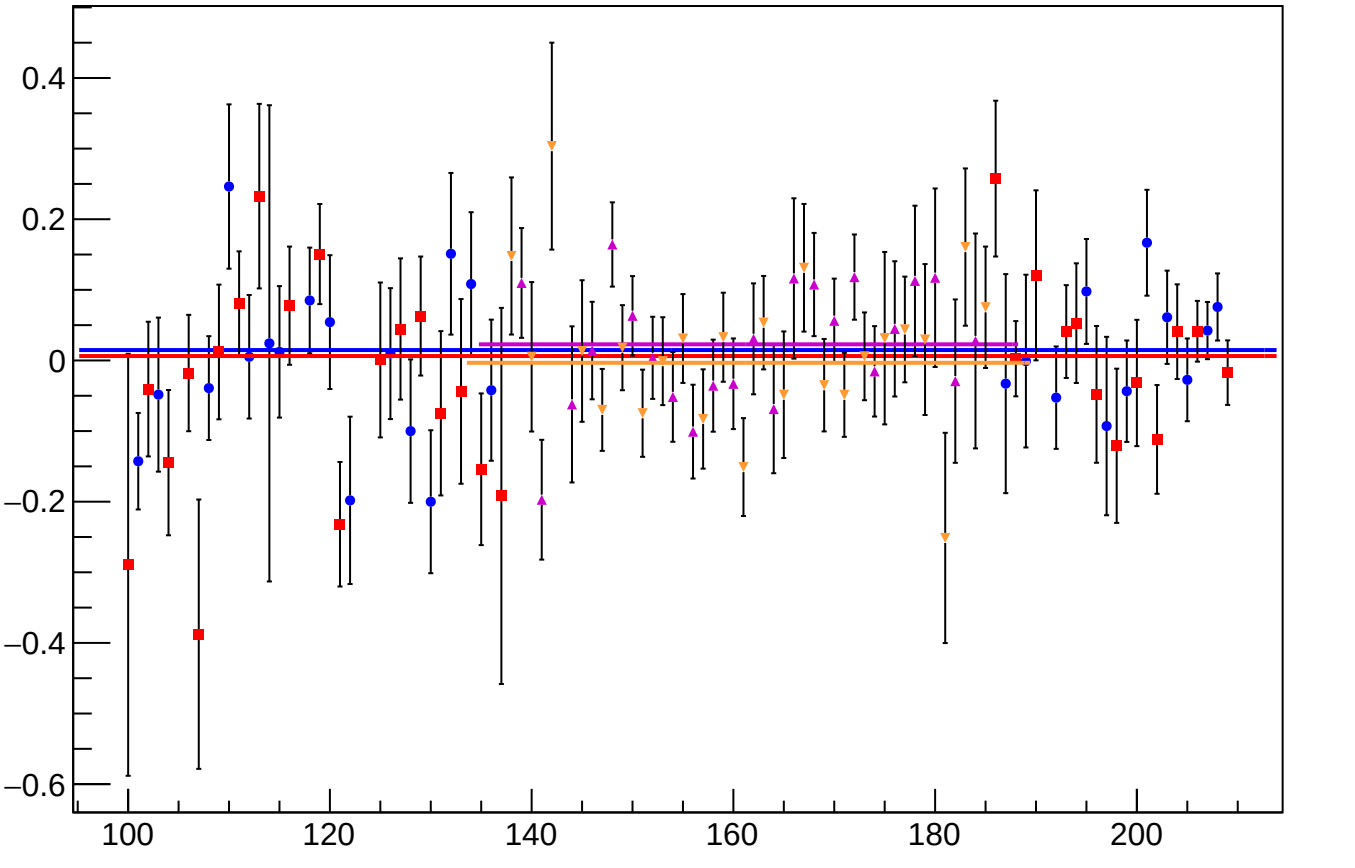
Right Out: 57.621+/-0.011 χ^2/NDF: 1980924.0/29

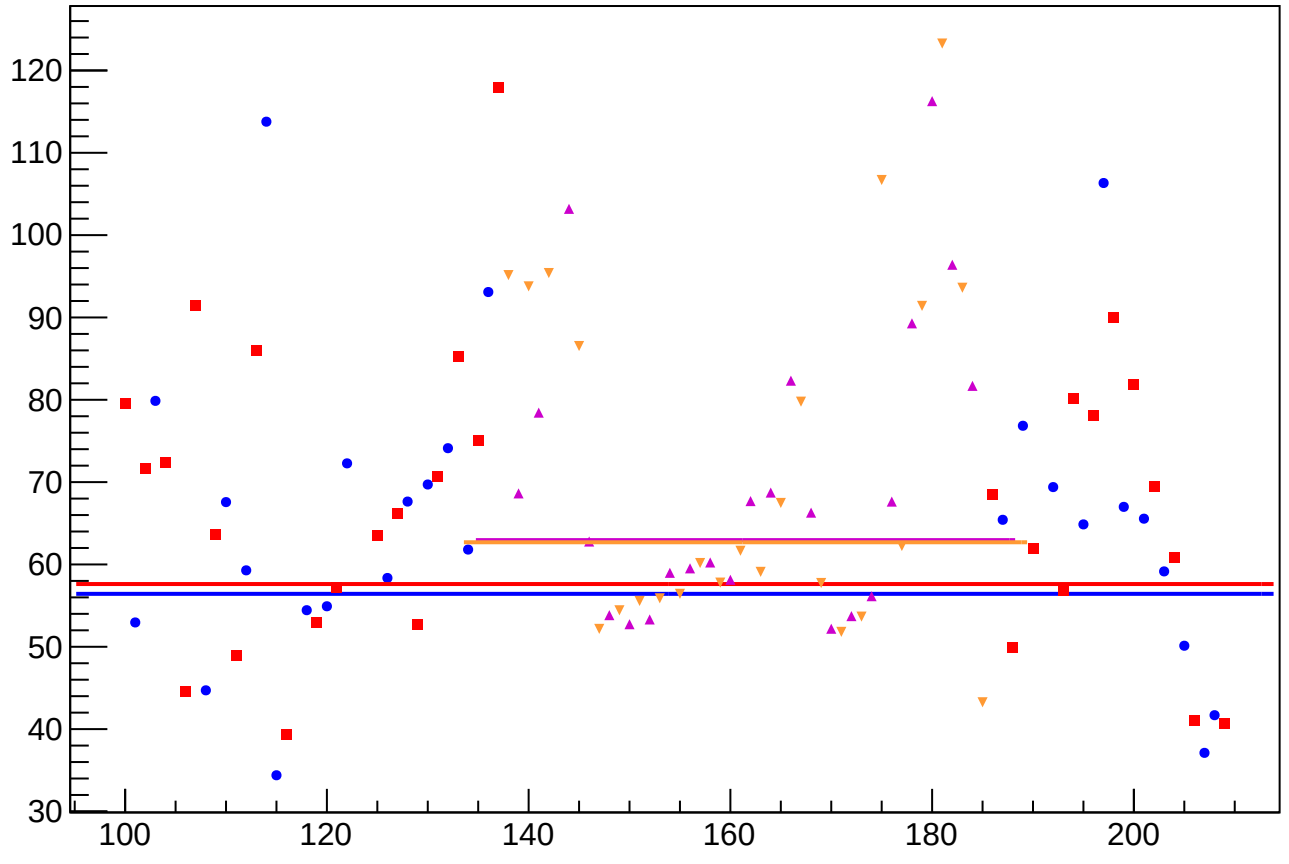
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 59.534+/-0.008 χ^2/NDF: 4073583.8/50

All: 59.882+/-0.005 χ^2/NDF: 7610309.2/103

- sign 60.226+/-0.008 χ^2/NDF: 3532666.3/52


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.006+/-0.015 χ²/NDF: 40.0/29
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign 0.006+/-0.011 χ²/NDF: 60.2/50
All: 0.010+/-0.008 χ²/NDF: 130.0/103
- sign 0.014+/-0.011 χ²/NDF: 69.5/52



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

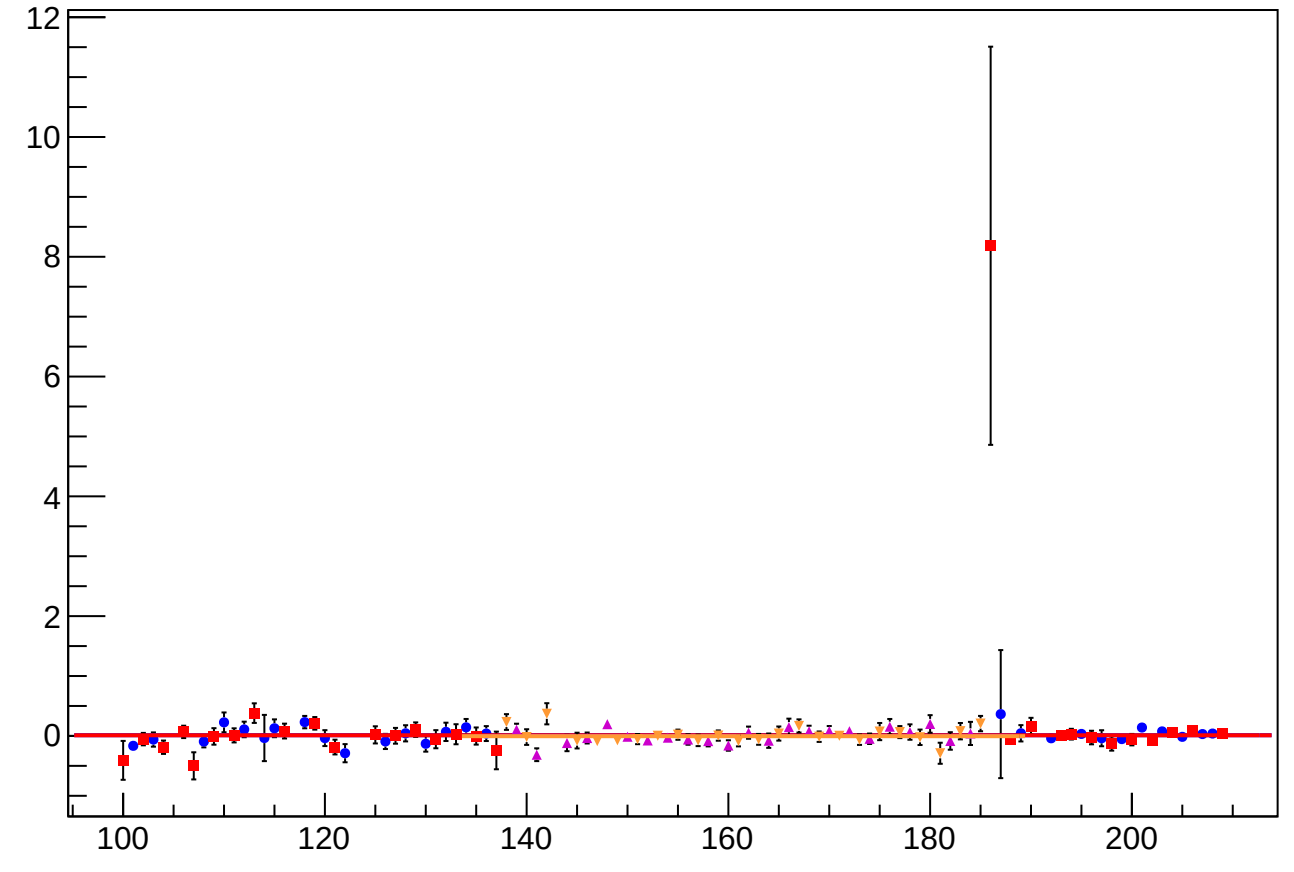
Right Out: 57.621+/-0.011 χ^2/NDF: 1980924.0/29

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

+ sign 59.534+/-0.008 χ^2/NDF: 4073583.8/50

All: 59.882+/-0.005 χ^2/NDF: 7610309.2/103

- sign 60.226+/-0.008 χ^2/NDF: 3532666.3/52



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: 0.011+/-0.019 χ^2/NDF: 38.3/29

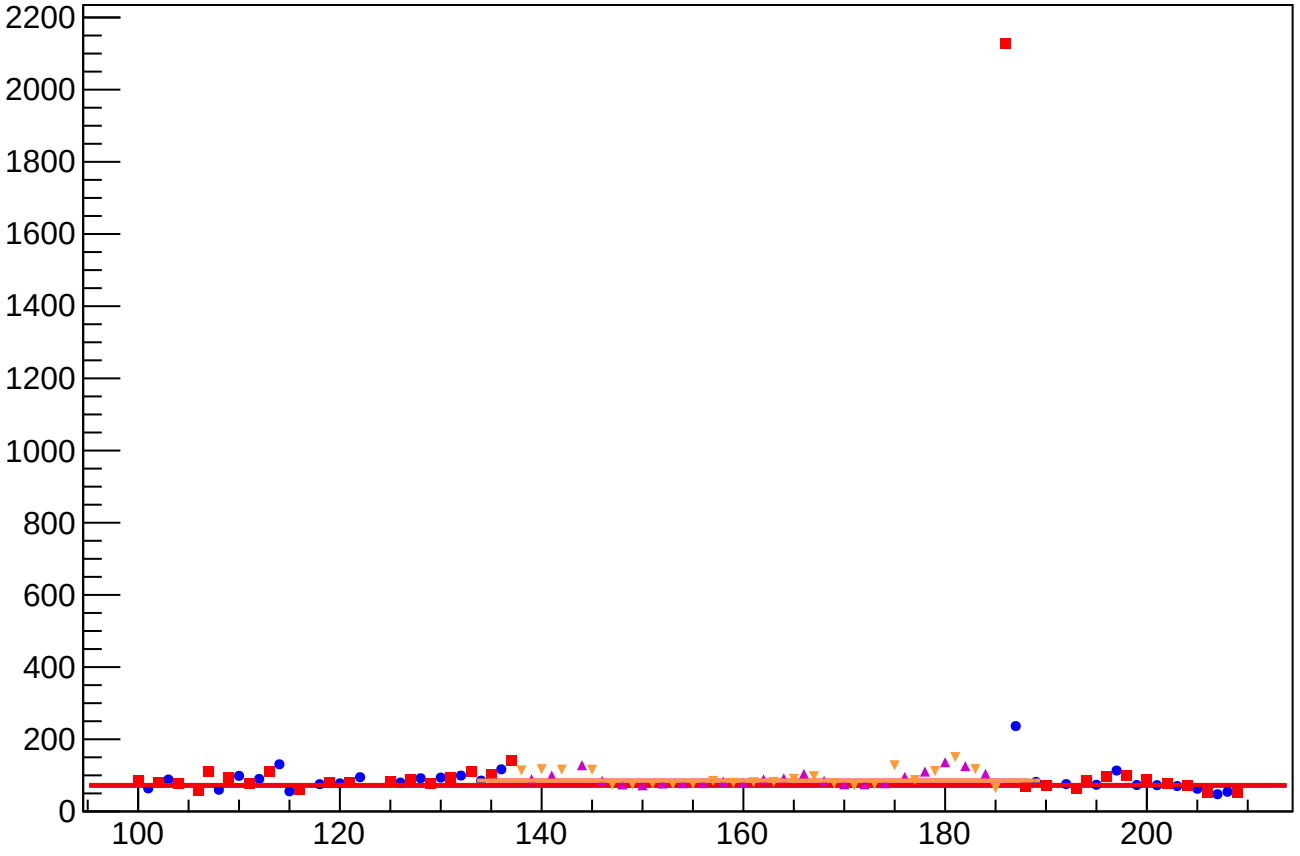
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.004+/-0.014 χ^2/NDF: 47.4/50

All: 0.005+/-0.010 χ^2/NDF: 116.4/103

- sign 0.005+/-0.014 χ^2/NDF: 69.0/52

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 71.298+/-0.014 χ^2/NDF: 1639760.4/26

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

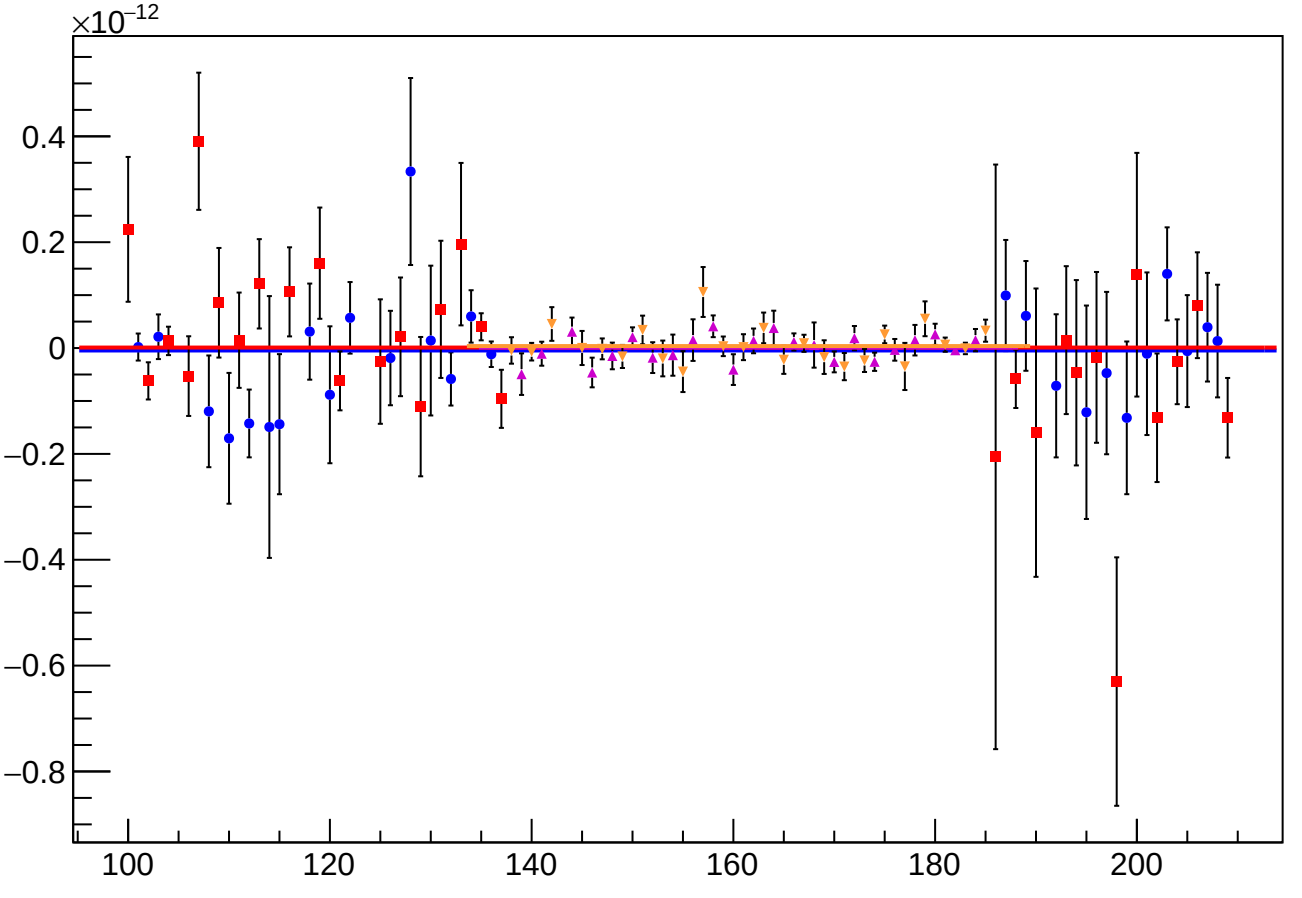
Right Out: 73.607+/-0.014 χ^2/NDF: 2226985.8/29

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

+ sign 77.919+/-0.010 χ^2/NDF: 3511339.6/50

All: 78.548+/-0.007 χ^2/NDF: 7109331.2/103

- sign 79.177+/-0.010 χ^2/NDF: 3589978.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

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

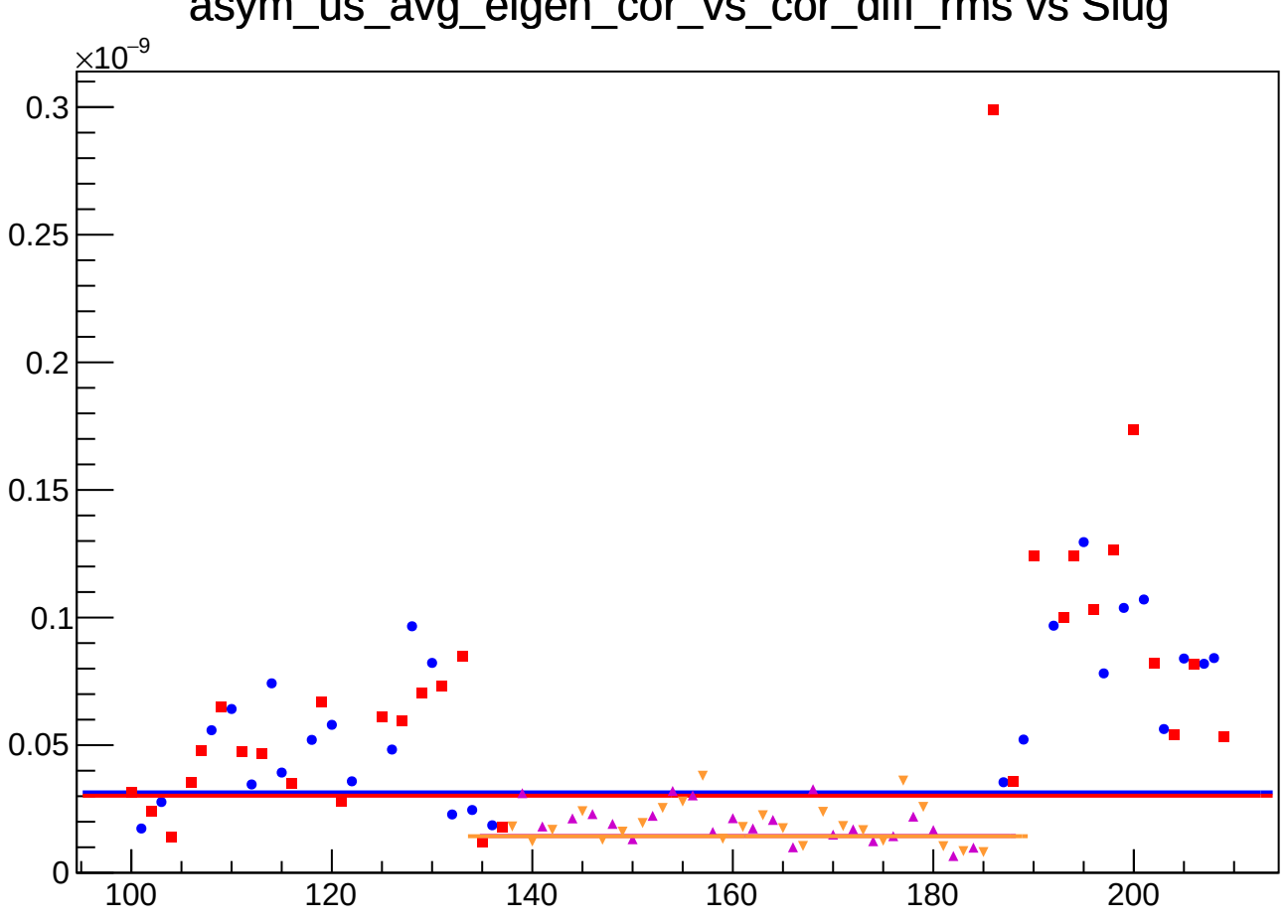
Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/50

All: 0.000+/-0.000 χ^2/NDF: 118.5/103

- sign 0.000+/-0.000 χ^2/NDF: 69.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 6226383.6/26

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

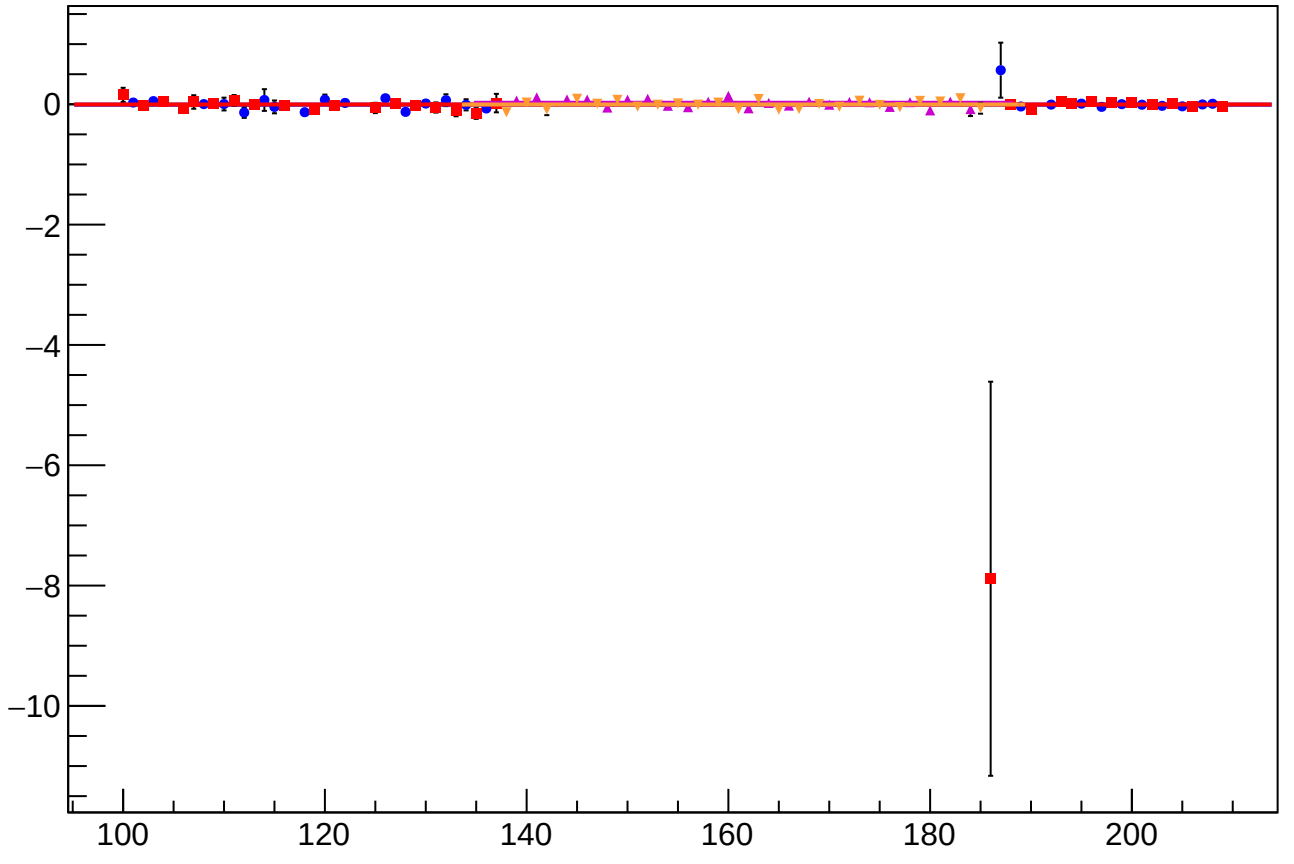
Right Out: 0.000+/-0.000 χ^2/NDF: 8101007.7/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 13244366.8/50

All: 0.000+/-0.000 χ^2/NDF: 28501286.6/103

- sign 0.000+/-0.000 χ^2/NDF: 15256915.4/52



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

Right Out: -0.003+/-0.008 χ^2/NDF: 34.1/29

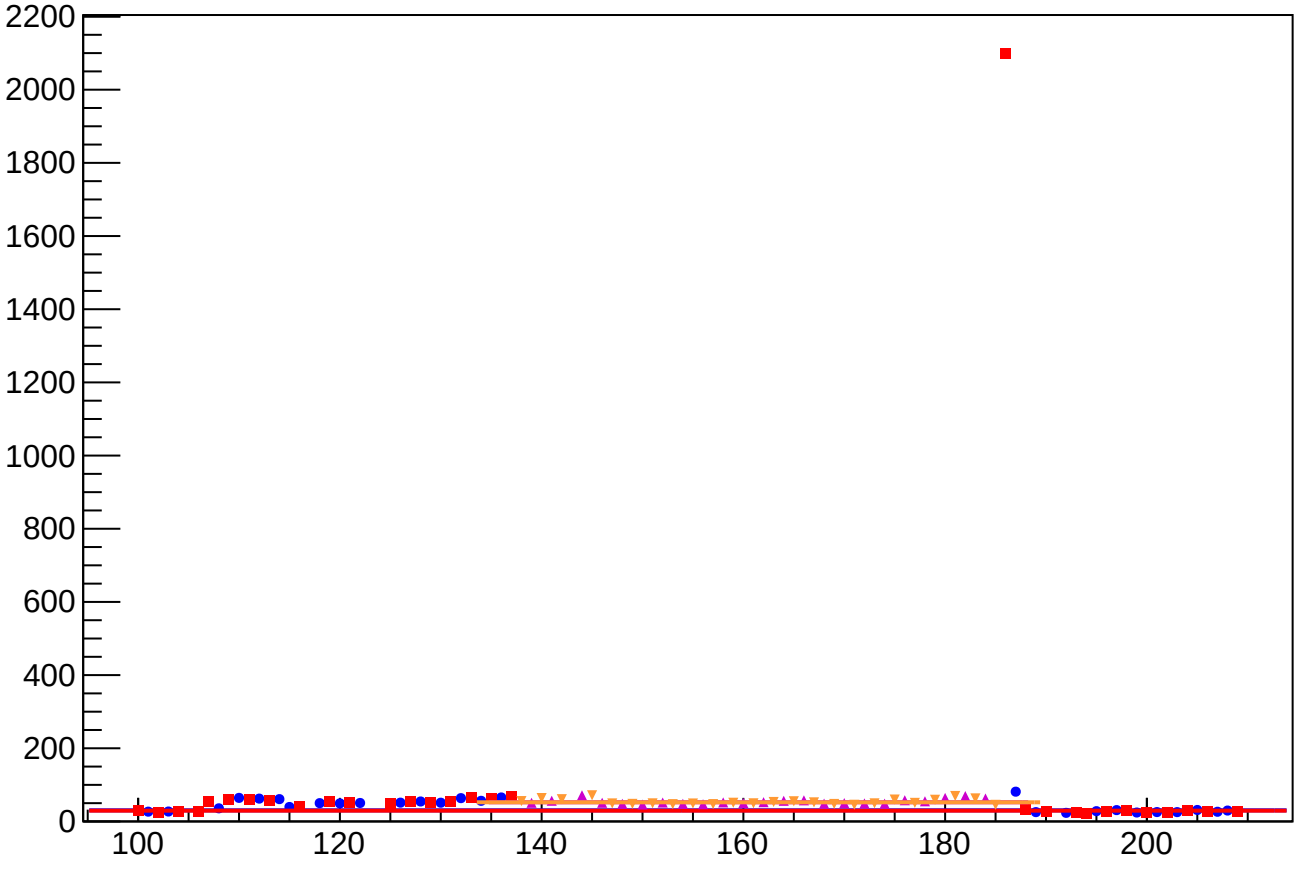
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

\+ sign -0.005+/-0.007 χ^2/NDF: 44.2/50

All: 0.000+/-0.005 χ^2/NDF: 107.5/103

\- sign 0.005+/-0.007 χ^2/NDF: 62.1/52

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

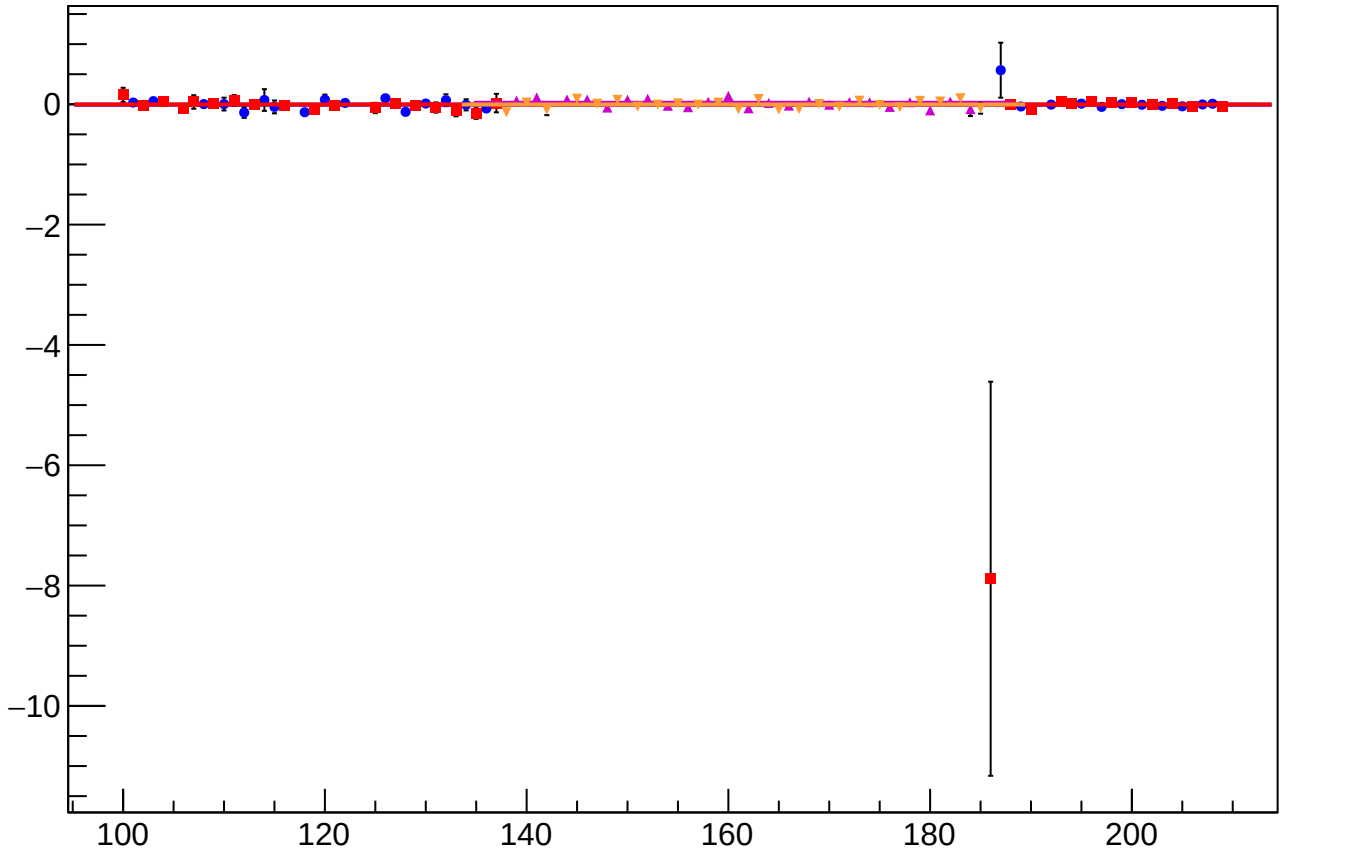
Right Out: 29.508+/-0.006 χ^2/NDF: 3833593.6/29

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

+ sign 37.199+/-0.005 χ^2/NDF: 7677568.3/50

All: 36.615+/-0.003 χ^2/NDF: 16802399.8/103

- sign 36.069+/-0.005 χ^2/NDF: 9097179.6/52



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

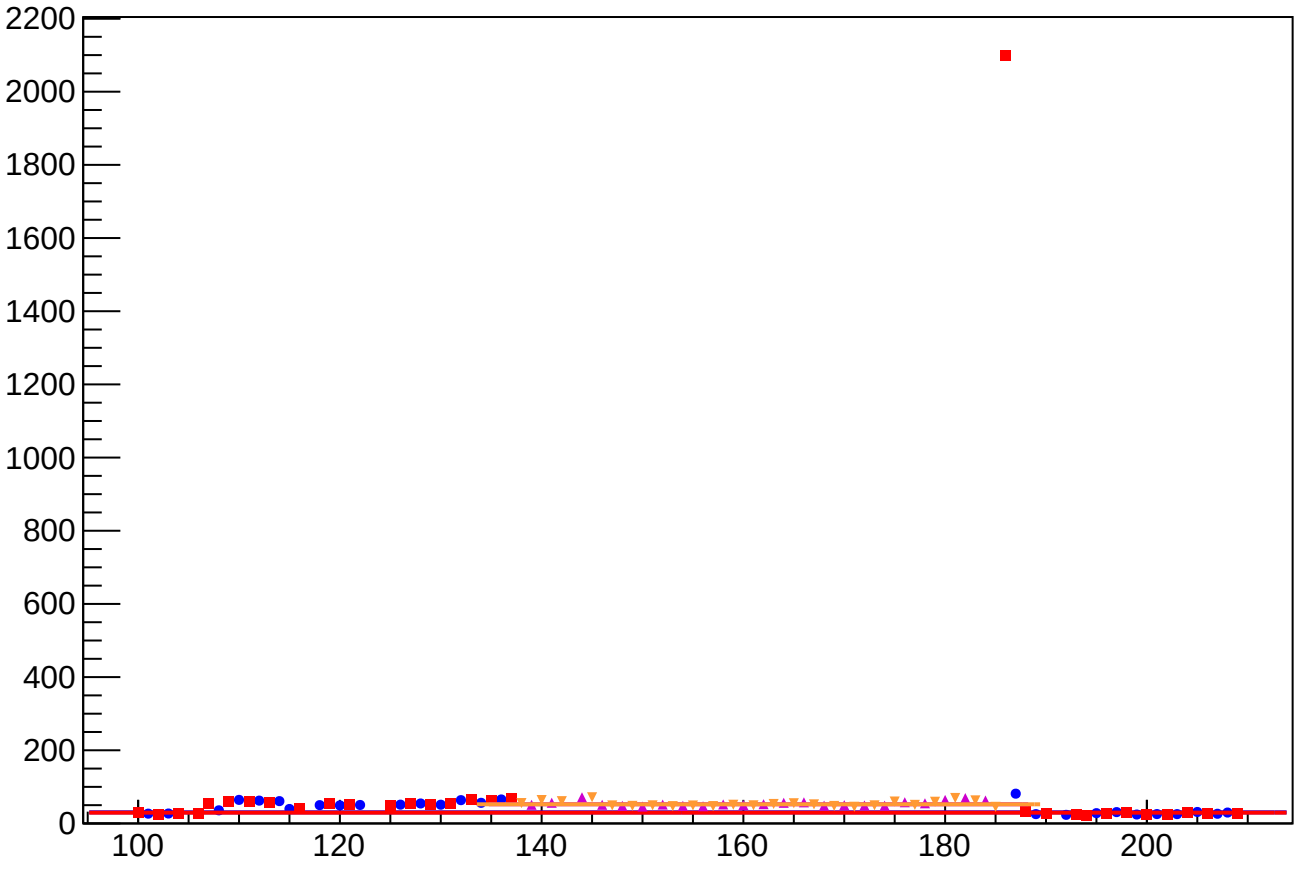
Right Out: -0.003+/-0.008 χ^2/NDF: 34.1/29

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

+ sign -0.005+/-0.007 χ^2/NDF: 44.2/50

All: 0.000+/-0.005 χ^2/NDF: 107.5/103

- sign 0.005+/-0.007 χ^2/NDF: 62.1/52



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

Right Out: 29.508+/-0.006 χ^2/NDF: 3833593.6/29

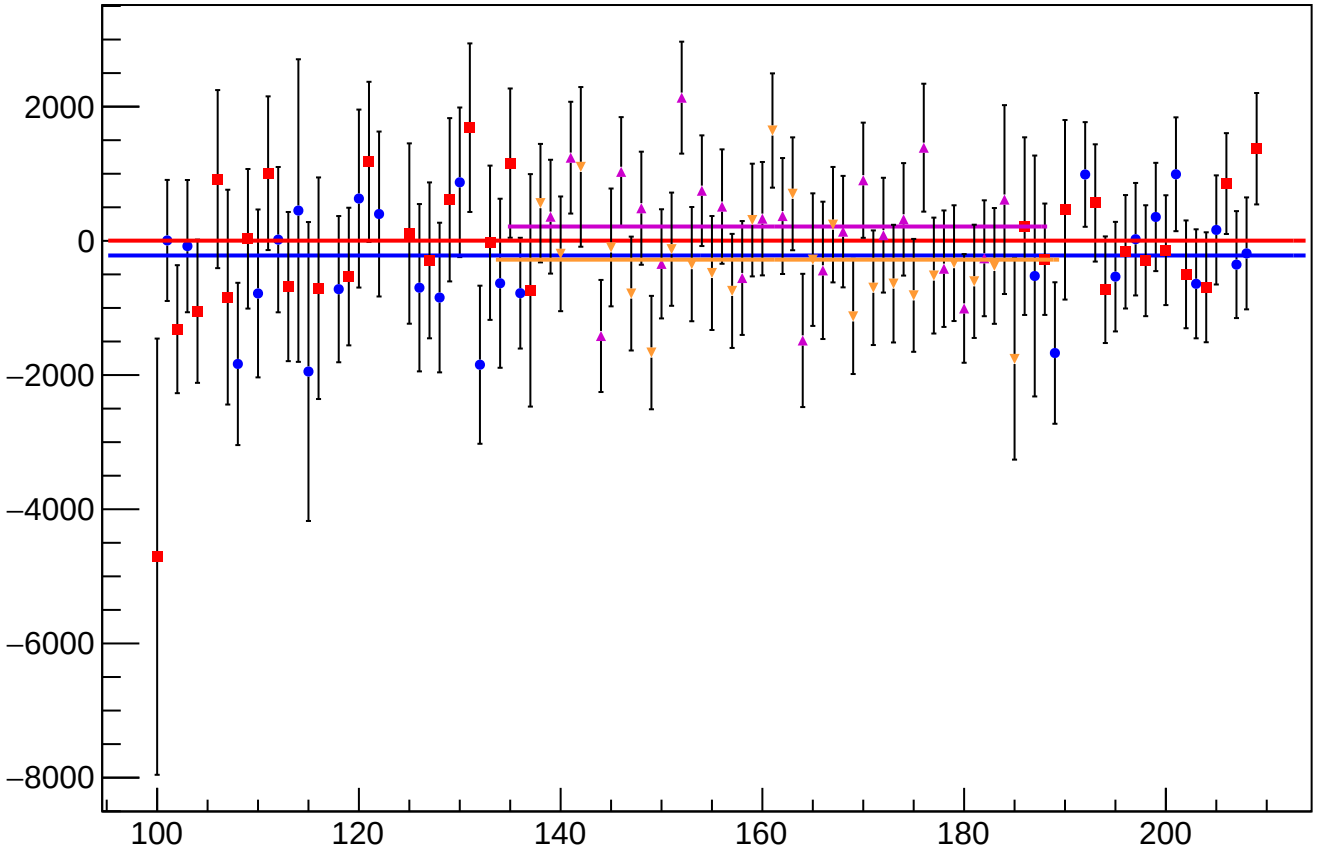
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 37.199+/-0.005 χ^2/NDF: 7677568.3/50

All: 36.615+/-0.003 χ^2/NDF: 16802399.8/103

- sign 36.069+/-0.005 χ^2/NDF: 9097179.6/52

reg_asym_us_dd_mean vs Slug



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: 3.111+/-188.501 χ^2/NDF: 18.5/29

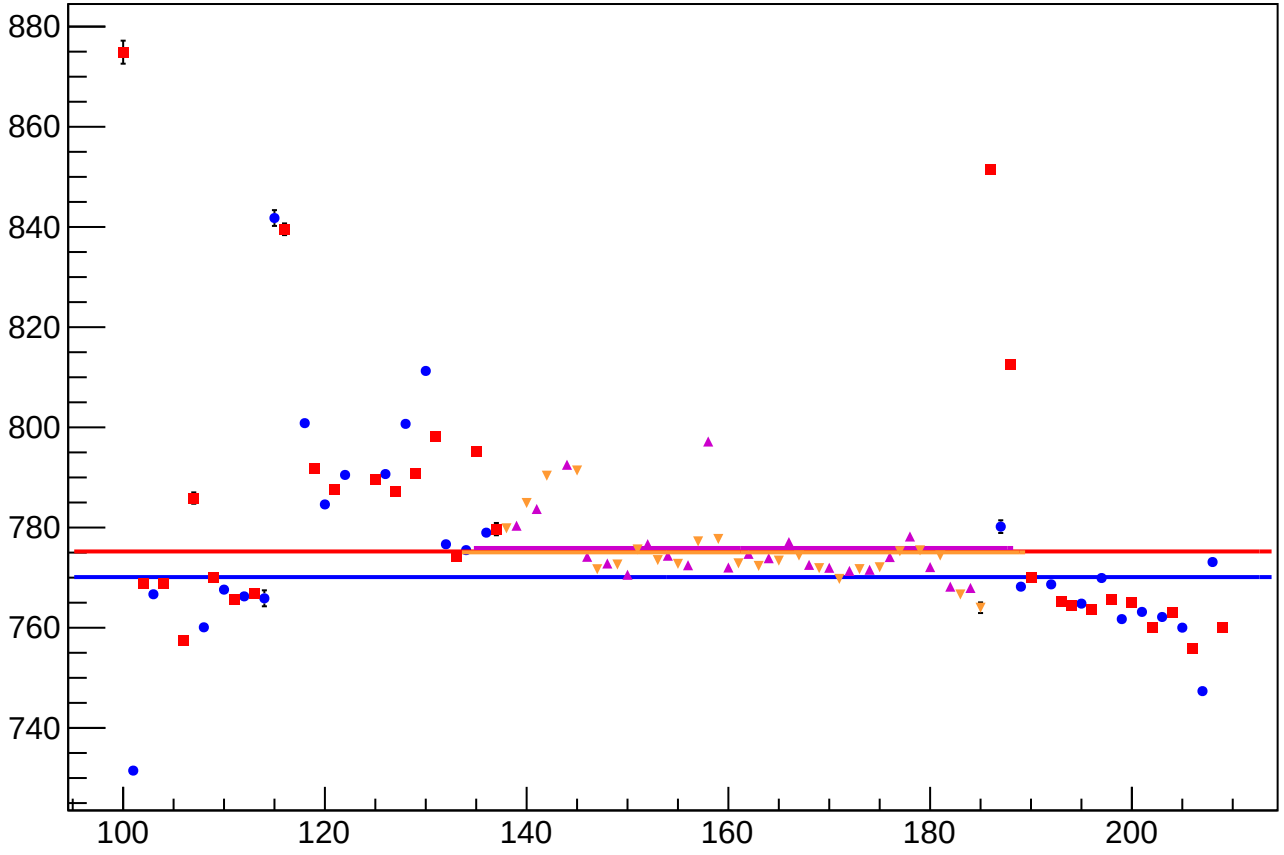
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -251.533+/-131.733 χ^2/NDF: 31.3/50

All: -68.005+/-92.753 χ^2/NDF: 76.7/103

- sign 112.438+/-130.621 χ^2/NDF: 41.5/52

reg_asym_us_dd_rms vs Slug



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

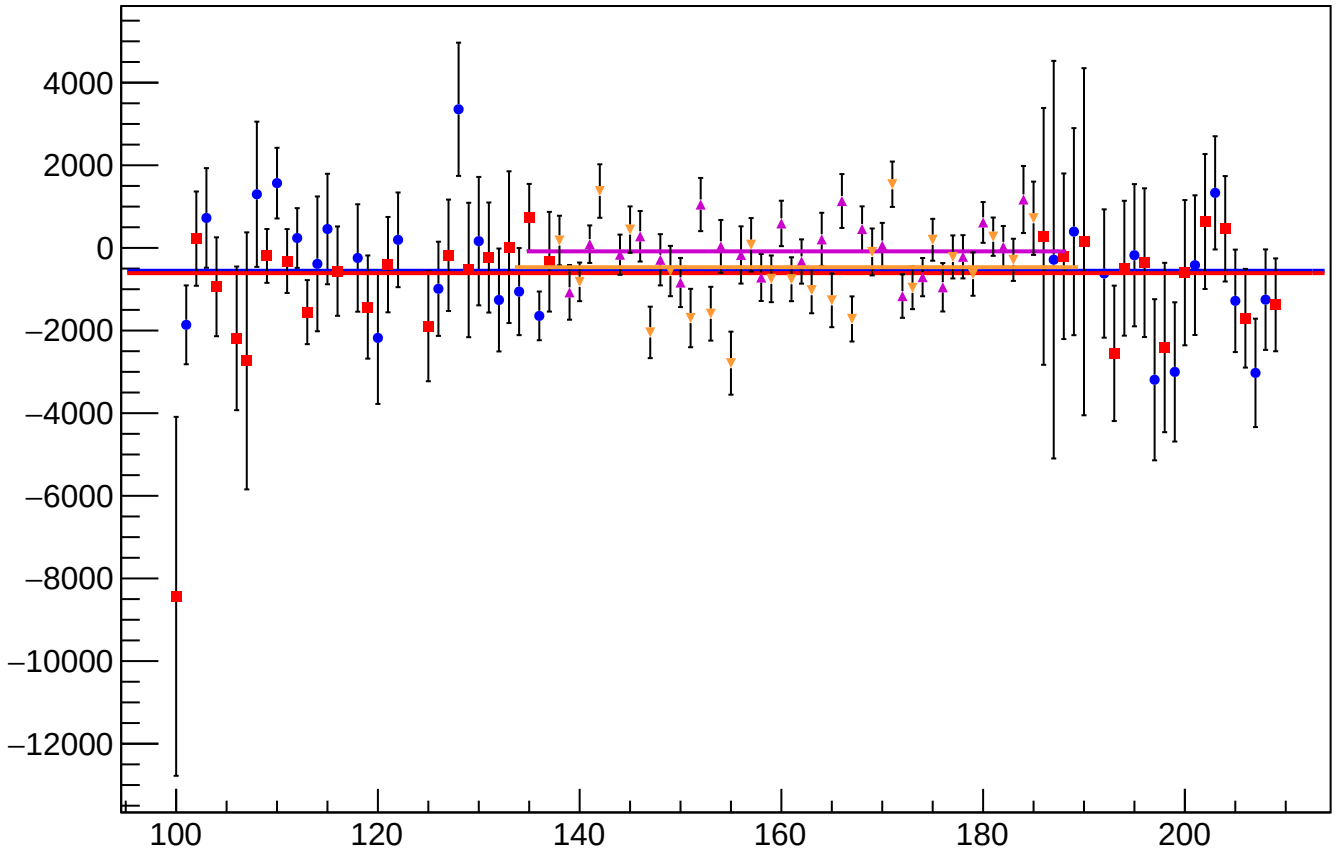
Right Out: 775.228+/-0.133 χ^2/NDF: 24146.1/29

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

+ sign 772.760+/-0.093 χ^2/NDF: 18744.7/50

All: 774.186+/-0.066 χ^2/NDF: 46343.0/103

- sign 775.589+/-0.092 χ^2/NDF: 27133.2/52



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: -610.362+/-229.554 χ^2/NDF: 16.7/29

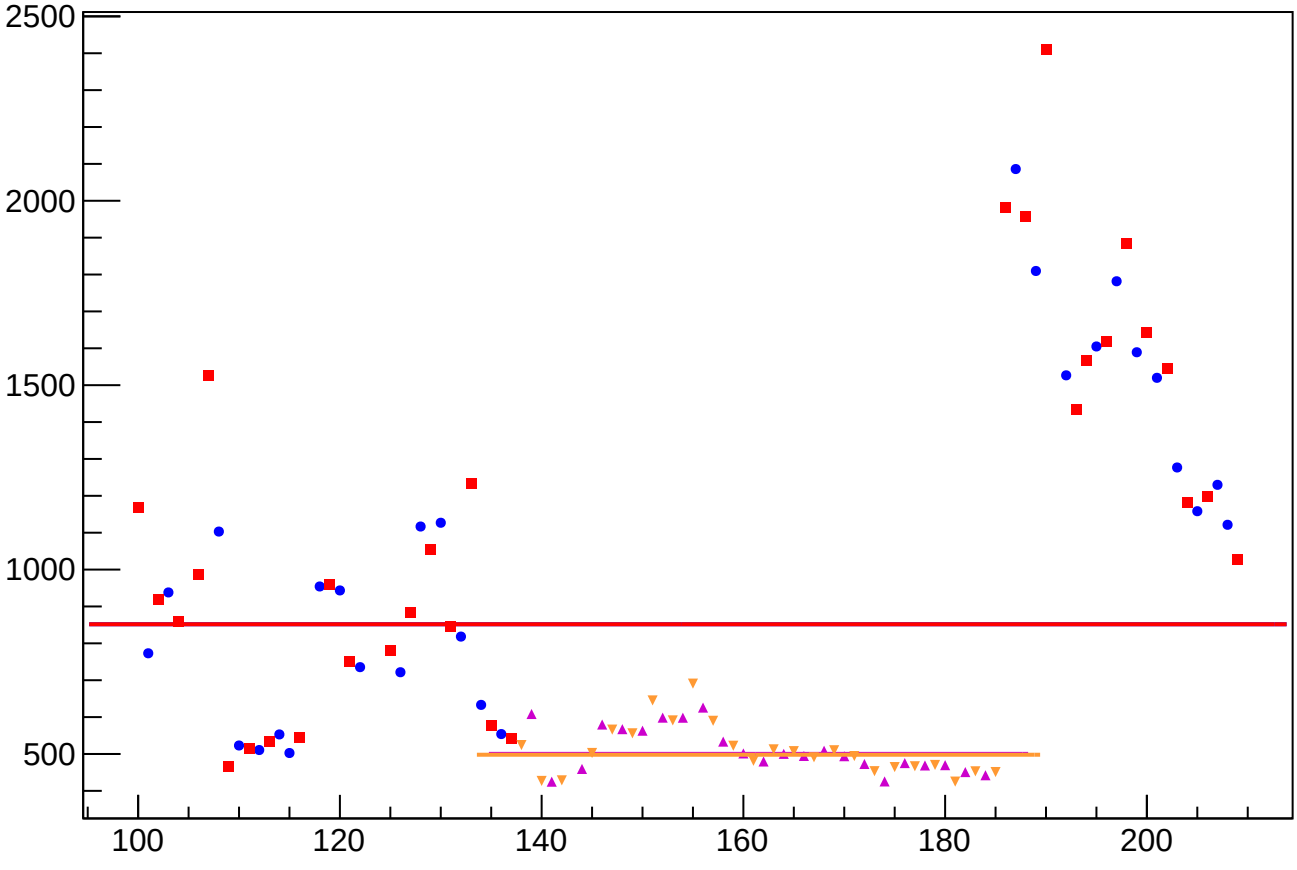
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -484.467+/-104.353 χ^2/NDF: 98.6/50

All: -339.402+/-73.950 χ^2/NDF: 151.5/103

\- sign -193.062+/-104.811 χ^2/NDF: 49.0/52

asym_us_dd_reg_correction_rms vs Slug



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 851.730+/-0.162 χ^2/NDF: 5986573.6/29

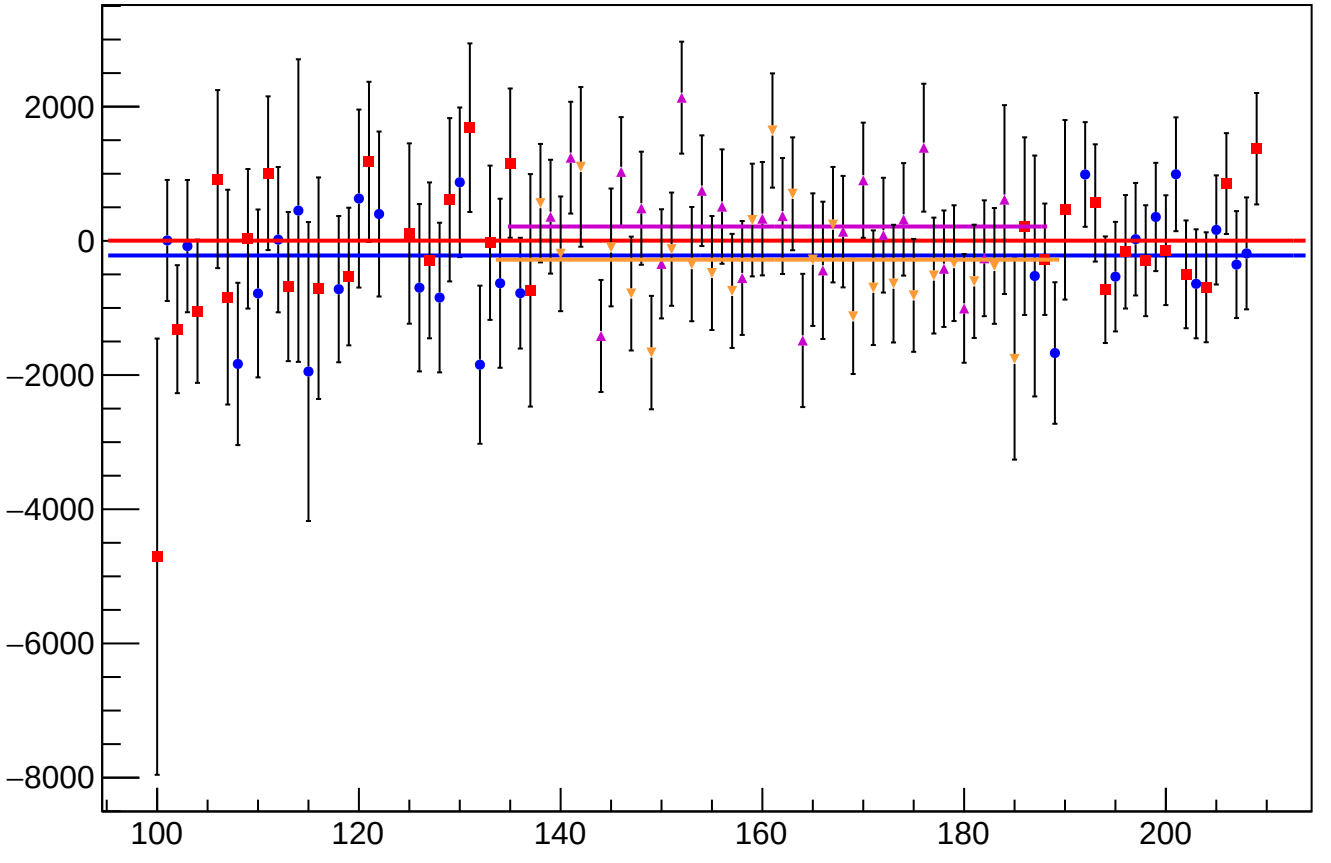
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 568.921+/-0.074 χ^2/NDF: 8915093.6/50

All: 571.234+/-0.052 χ^2/NDF: 19091144.8/10

- sign 573.568+/-0.074 χ^2/NDF: 10174076.3/52

cor_asym_us_dd_mean vs Slug



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: 3.111+/-188.501 χ^2/NDF: 18.5/29

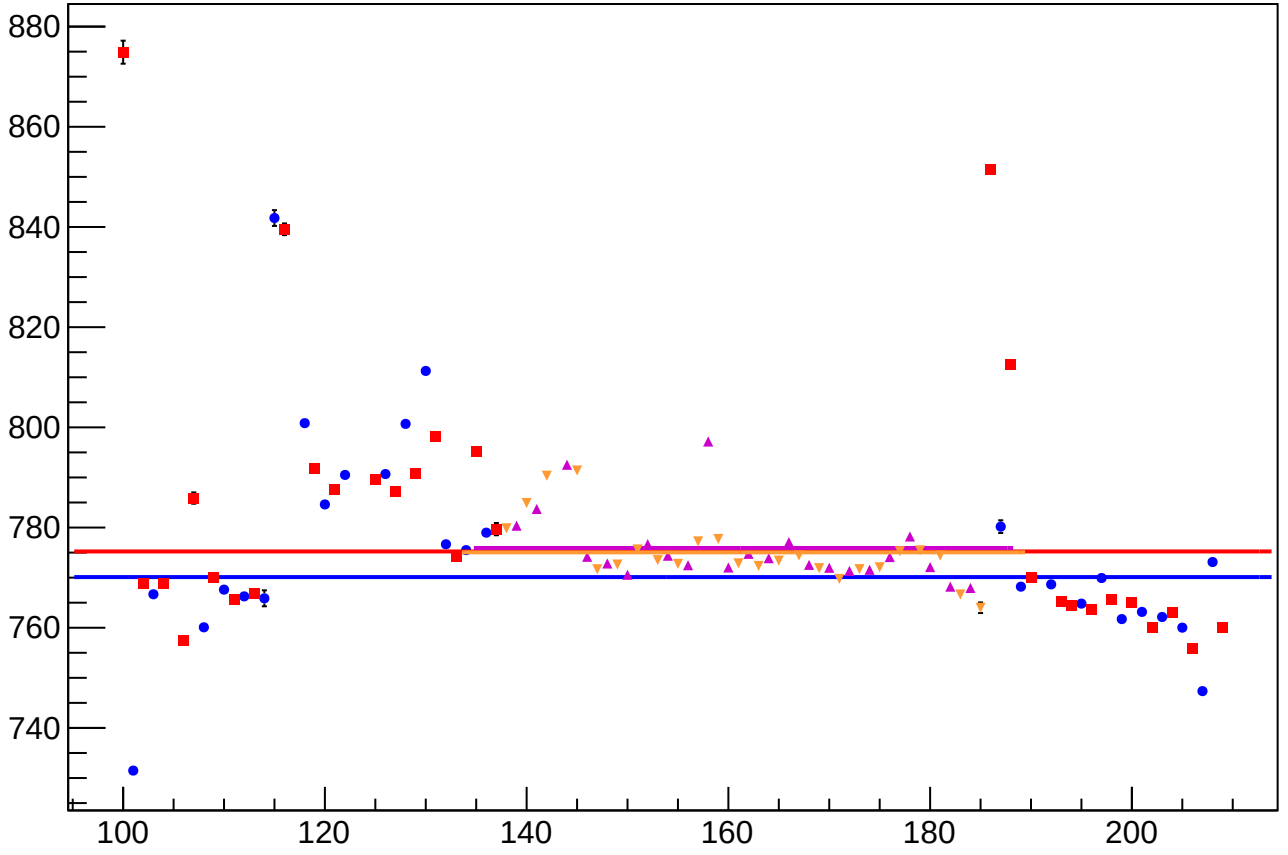
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -251.533+/-131.733 χ^2/NDF: 31.3/50

All: -68.005+/-92.753 χ^2/NDF: 76.7/103

- sign 112.438+/-130.621 χ^2/NDF: 41.5/52

cor_asym_us_dd_rms vs Slug



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 775.228+/-0.133 χ^2/NDF: 24146.1/29

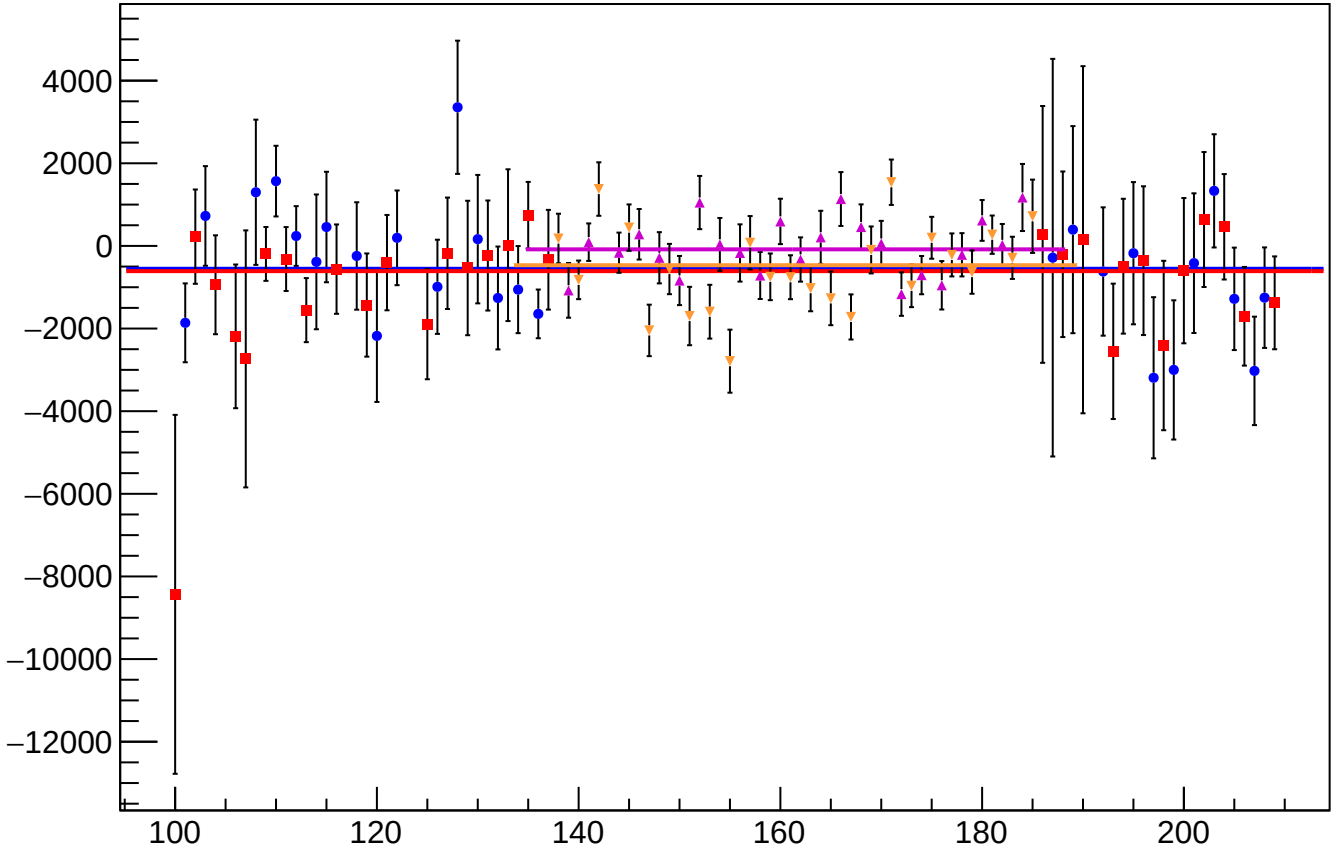
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 772.760+/-0.093 χ^2/NDF: 18744.7/50

All: 774.186+/-0.066 χ^2/NDF: 46343.0/103

- sign 775.589+/-0.092 χ^2/NDF: 27133.2/52

asym_us_dd_cor_correction_mean vs Slug



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: -610.362+/-229.554 χ^2/NDF: 16.7/29

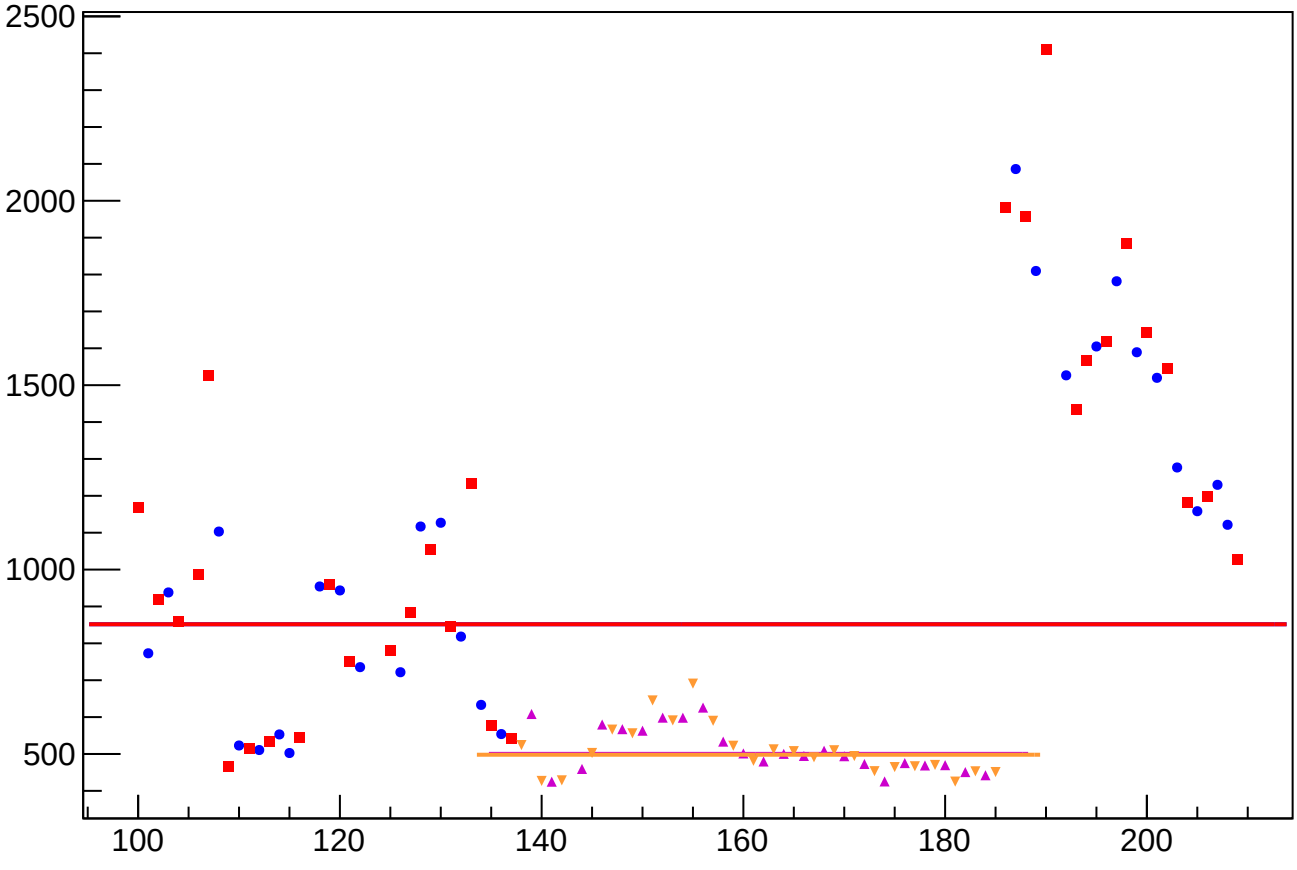
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -484.467+/-104.353 χ^2/NDF: 98.6/50

All: -339.402+/-73.950 χ^2/NDF: 151.5/103

- sign -193.062+/-104.811 χ^2/NDF: 49.0/52

asym_us_dd_cor_correction_rms vs Slug



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 851.730+/-0.162 χ^2/NDF: 5986573.6/29

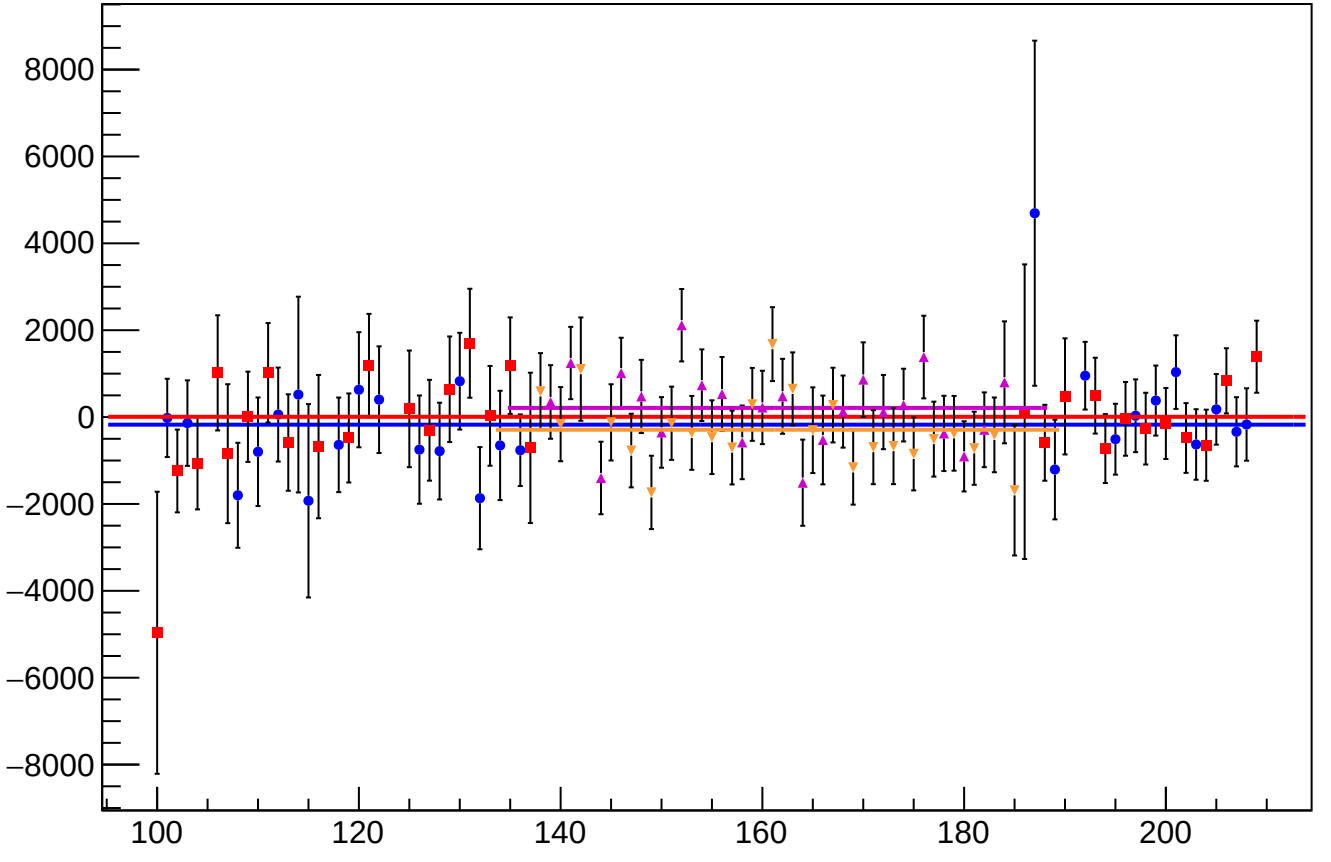
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 568.921+/-0.074 χ^2/NDF: 8915093.6/50

All: 571.234+/-0.052 χ^2/NDF: 19091144.8/10

- sign 573.568+/-0.074 χ^2/NDF: 10174076.3/52

overload_cor_asym_us_dd_mean vs Slug



Right In: -174.723+/-194.708 χ^2/NDF: 15.4/26

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

Right Out: 6.351+/-190.532 χ^2/NDF: 18.7/29

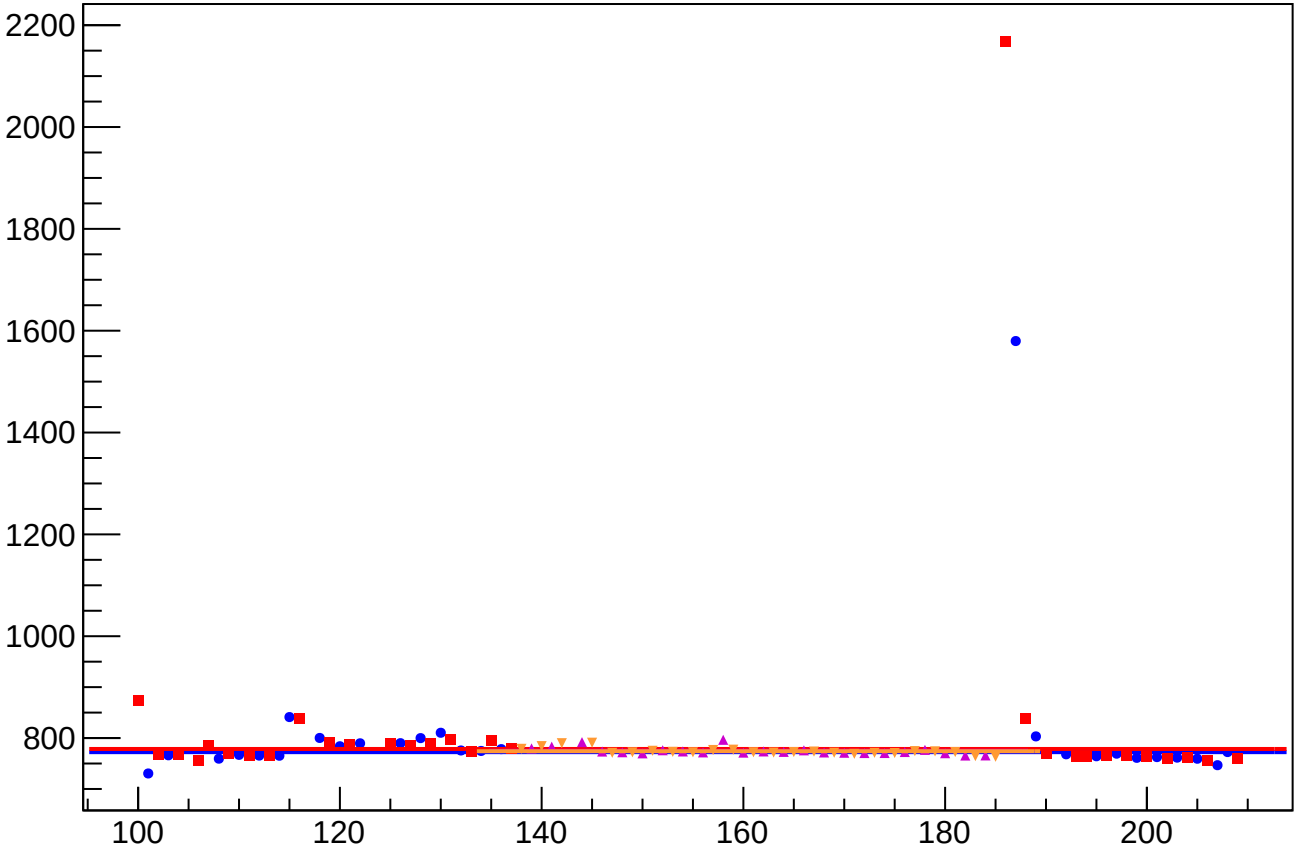
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -238.084+/-132.043 χ^2/NDF: 32.2/50

All: -60.888+/-93.072 χ^2/NDF: 77.2/103

- sign 114.076+/-131.208 χ^2/NDF: 41.5/52

overload_cor_asym_us_dd_rms vs Slug



Right In: 772.311+/-0.138 χ^2/NDF: 100556.3/26

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

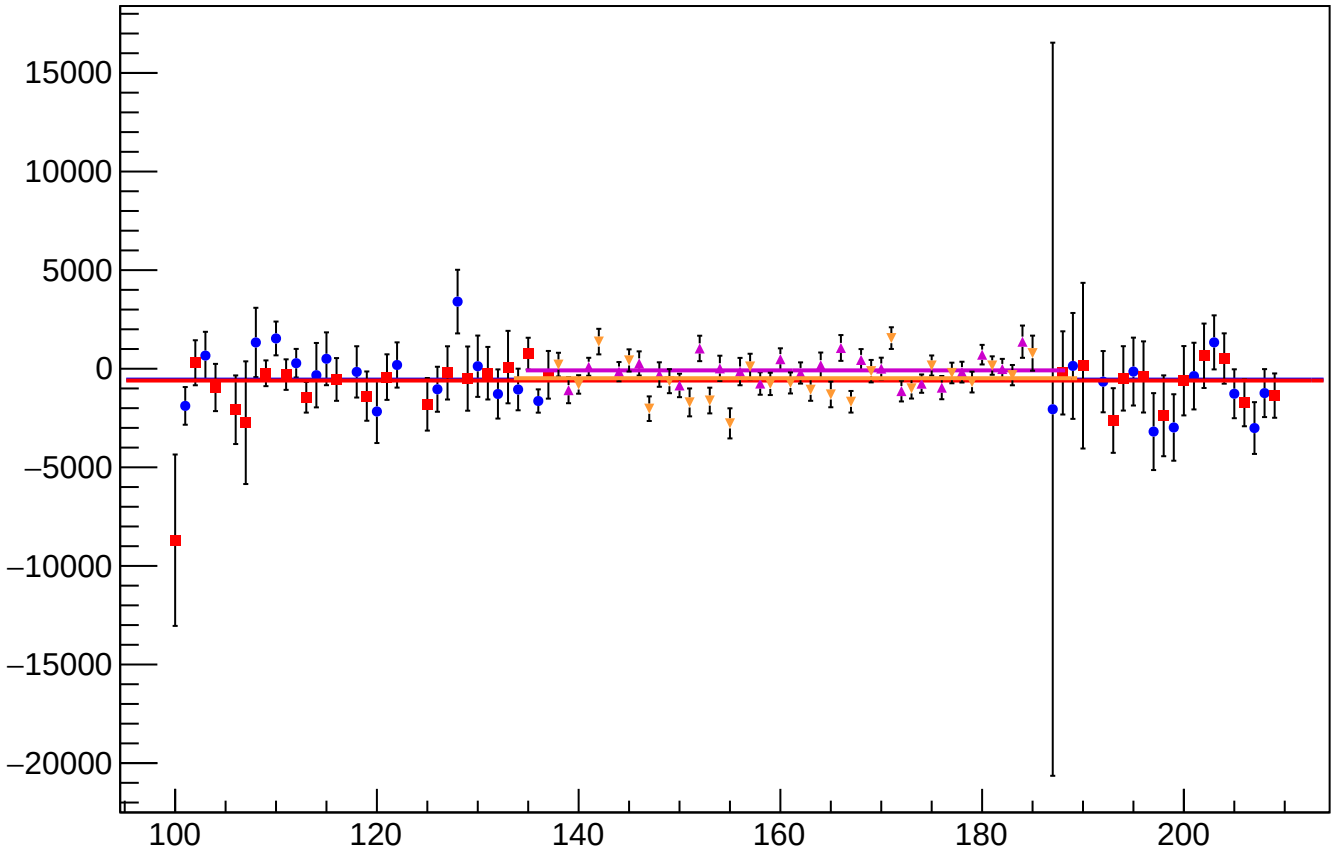
Right Out: 778.562+/-0.135 χ^2/NDF: 360305.2/29

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

+ sign 773.300+/-0.093 χ^2/NDF: 102712.2/50

All: 775.002+/-0.066 χ^2/NDF: 467196.3/103

- sign 776.684+/-0.093 χ^2/NDF: 363823.0/52



Right In: -551.712+/-233.668 χ^2/NDF: 34.0/26

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

Right Out: -598.170+/-230.618 χ^2/NDF: 16.6/28

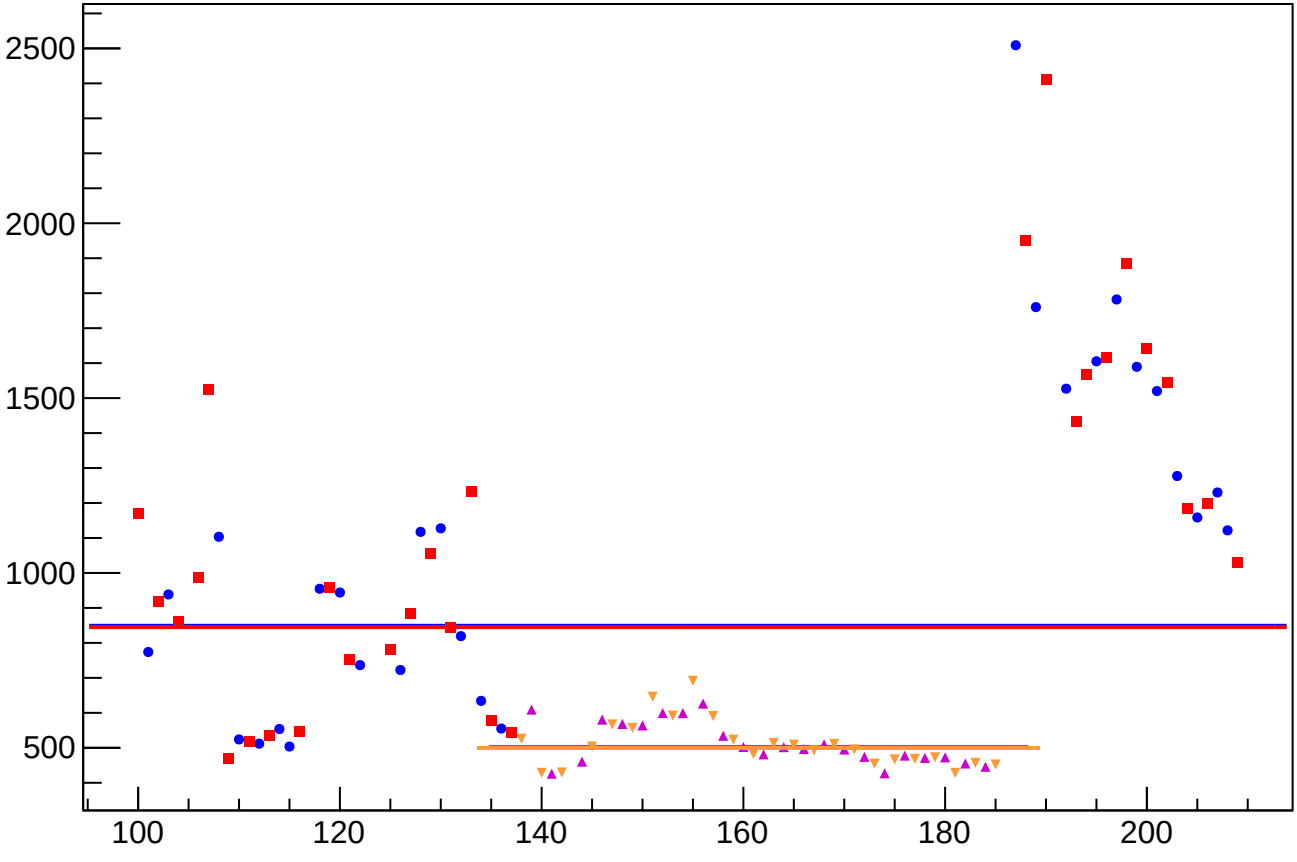
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -495.443+/-104.684 χ^2/NDF: 97.6/50

All: -343.612+/-74.199 χ^2/NDF: 150.5/102

- sign -190.324+/-105.184 χ^2/NDF: 48.7/51

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 848.868+/-0.165 χ^2/NDF: 4508807.7/26

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

Right Out: 845.200+/-0.163 χ^2/NDF: 5631174.6/28

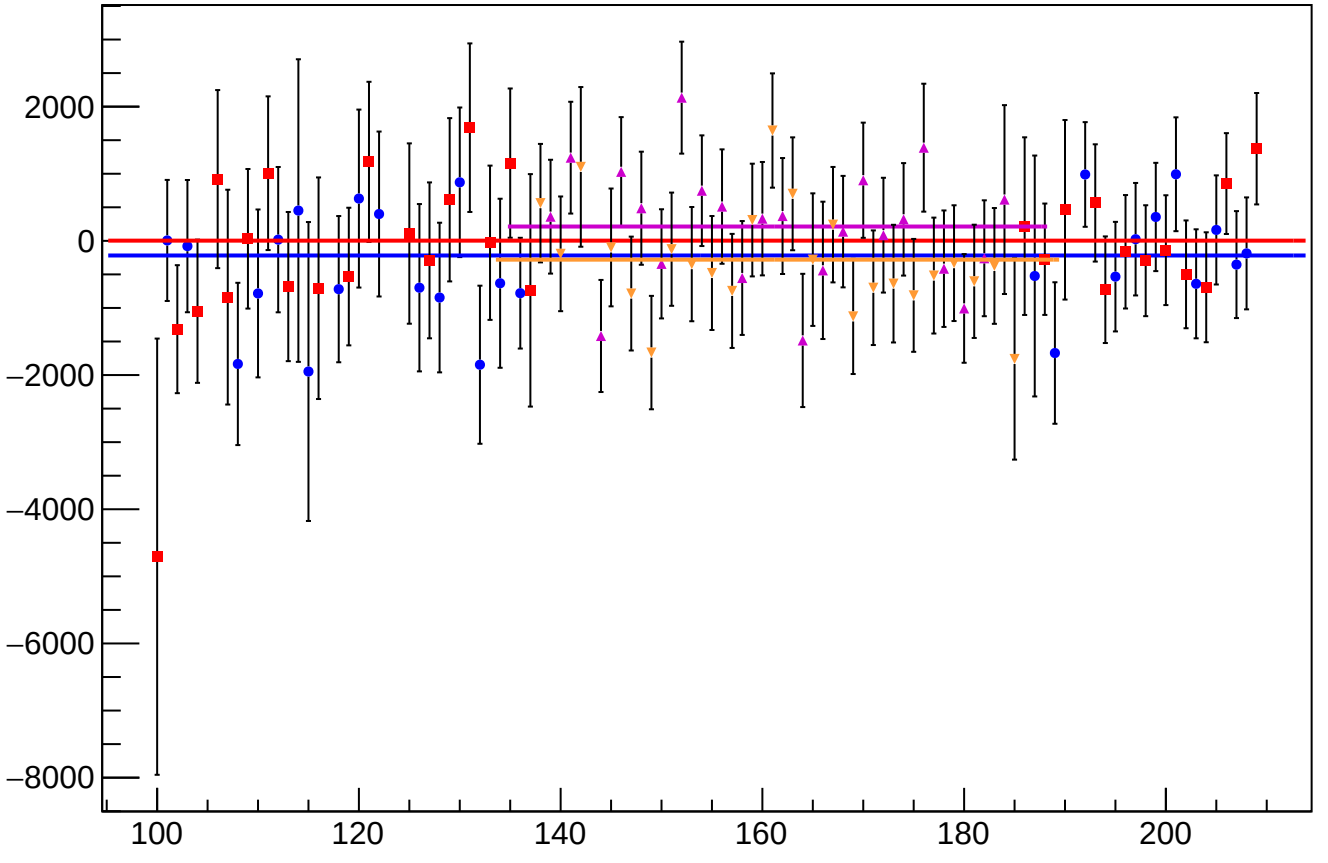
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 569.756+/-0.074 χ^2/NDF: 8595252.1/50

All: 571.577+/-0.052 χ^2/NDF: 18202465.1/10

- sign 573.415+/-0.074 χ^2/NDF: 9605997.3/51

eigen_cor_asym_us_dd_mean vs Slug



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: 3.111+/-188.501 χ^2/NDF: 18.5/29

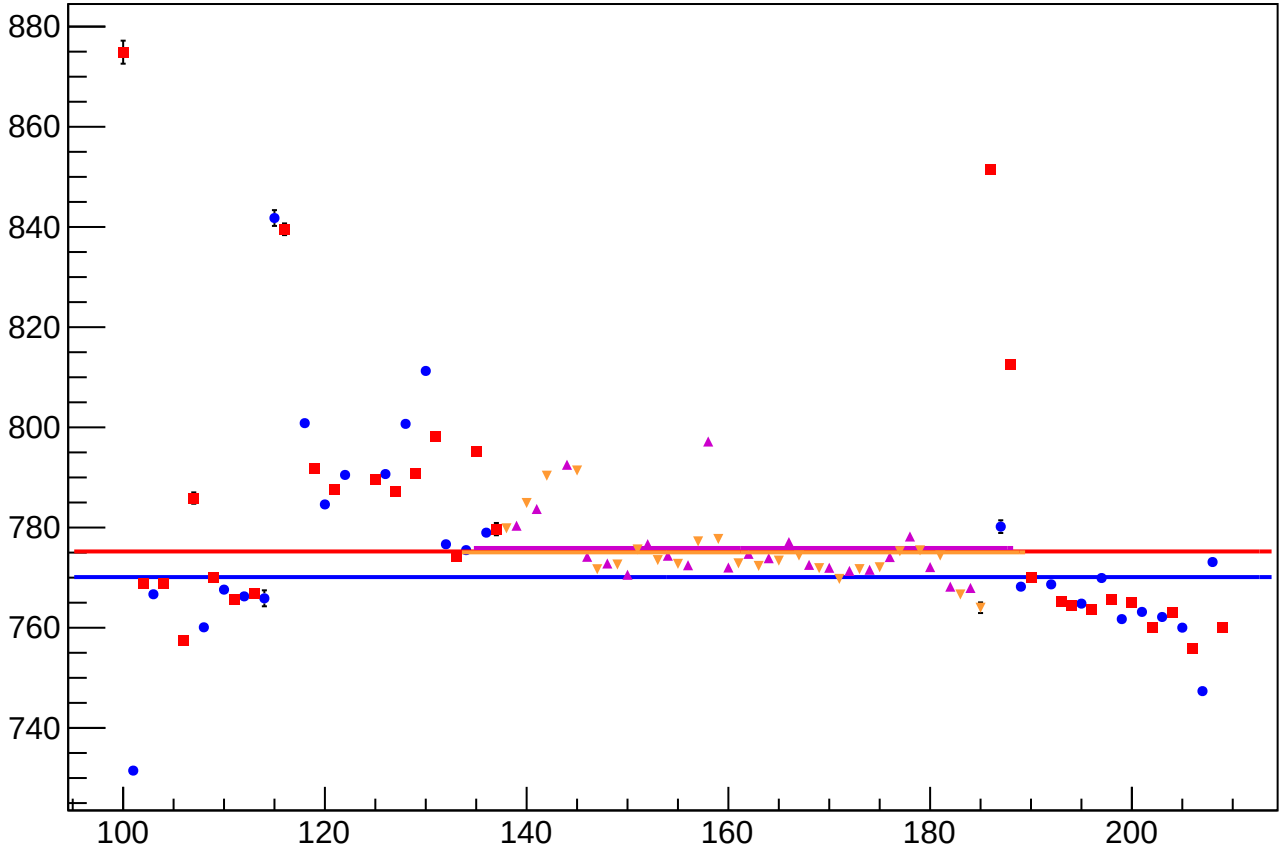
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -251.533+/-131.733 χ^2/NDF: 31.3/50

All: -68.005+/-92.753 χ^2/NDF: 76.7/103

- sign 112.438+/-130.621 χ^2/NDF: 41.5/52

eigen_cor_asym_us_dd_rms vs Slug



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

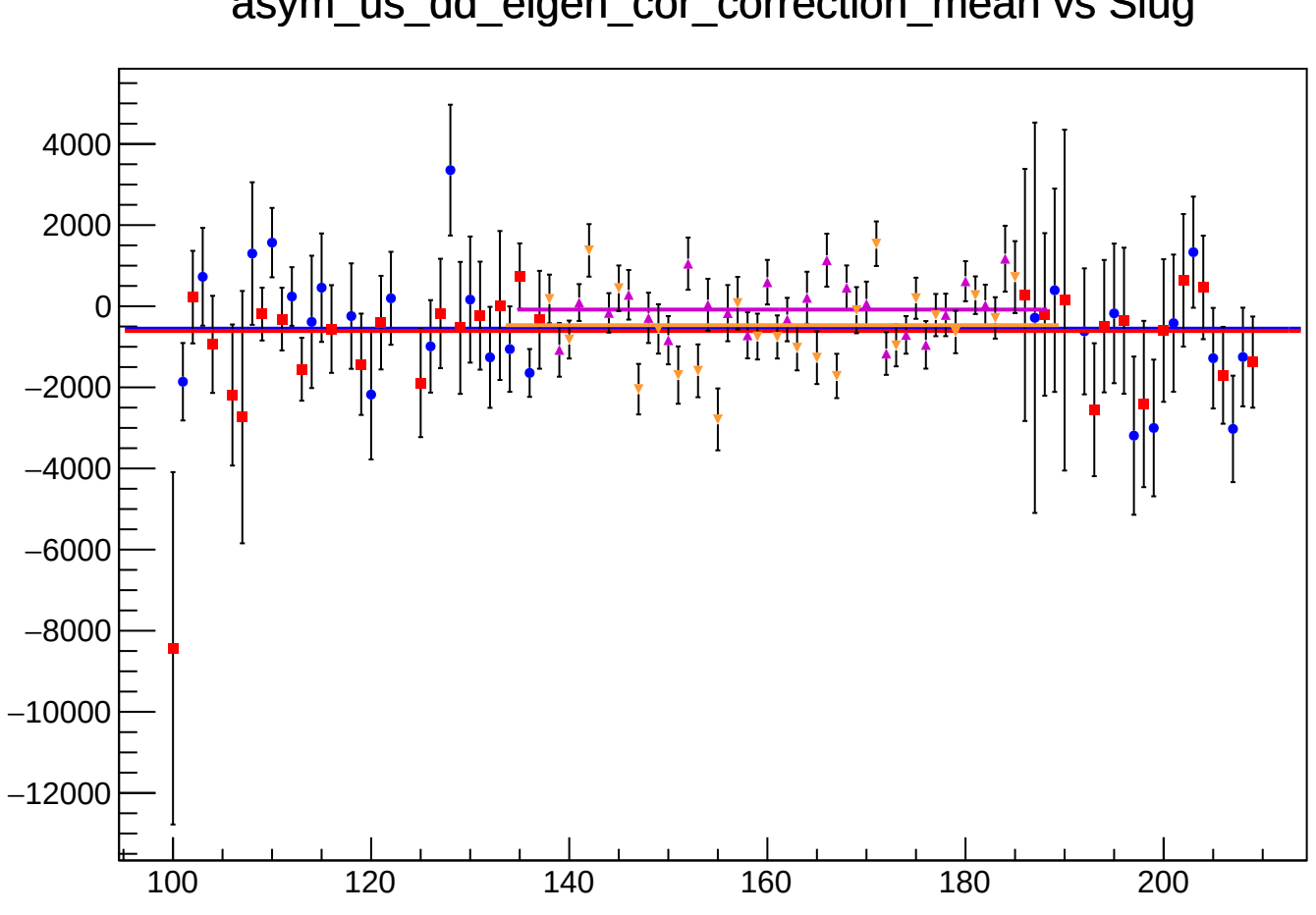
Right Out: 775.228+/-0.133 χ^2/NDF: 24146.1/29

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

+ sign 772.760+/-0.093 χ^2/NDF: 18744.7/50

All: 774.186+/-0.066 χ^2/NDF: 46343.0/103

- sign 775.589+/-0.092 χ^2/NDF: 27133.2/52



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: -610.362+/-229.554 χ^2/NDF: 16.7/29

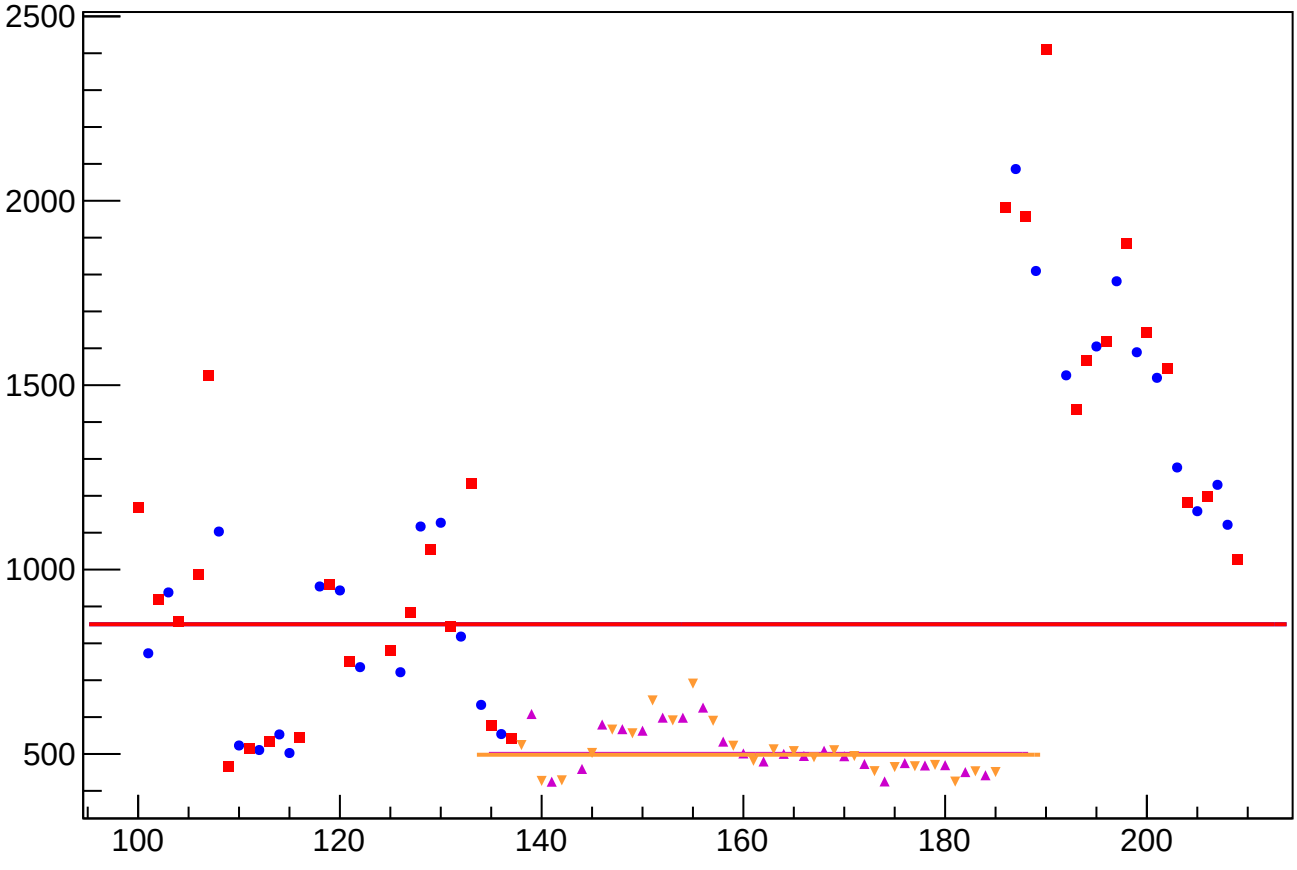
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -484.467+/-104.353 χ^2/NDF: 98.6/50

All: -339.402+/-73.950 χ^2/NDF: 151.5/103

- sign -193.062+/-104.811 χ^2/NDF: 49.0/52

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 851.730+/-0.162 χ^2/NDF: 5986573.6/29

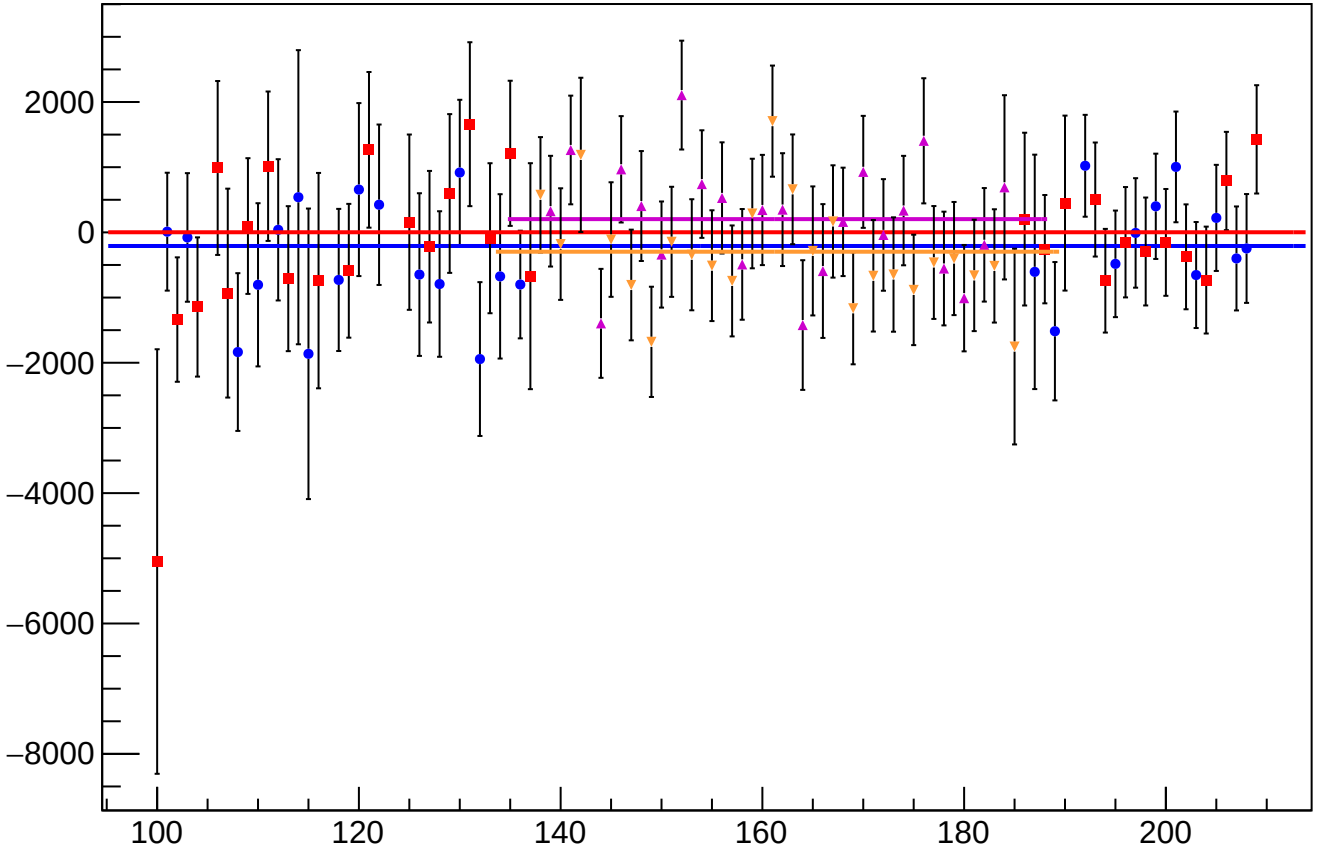
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 568.921+/-0.074 χ^2/NDF: 8915093.6/50

All: 571.234+/-0.052 χ^2/NDF: 19091144.8/10

- sign 573.568+/-0.074 χ^2/NDF: 10174076.3/52

dit_asym_us_dd_mean vs Slug



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: 1.810+/-188.742 χ^2/NDF: 19.3/29

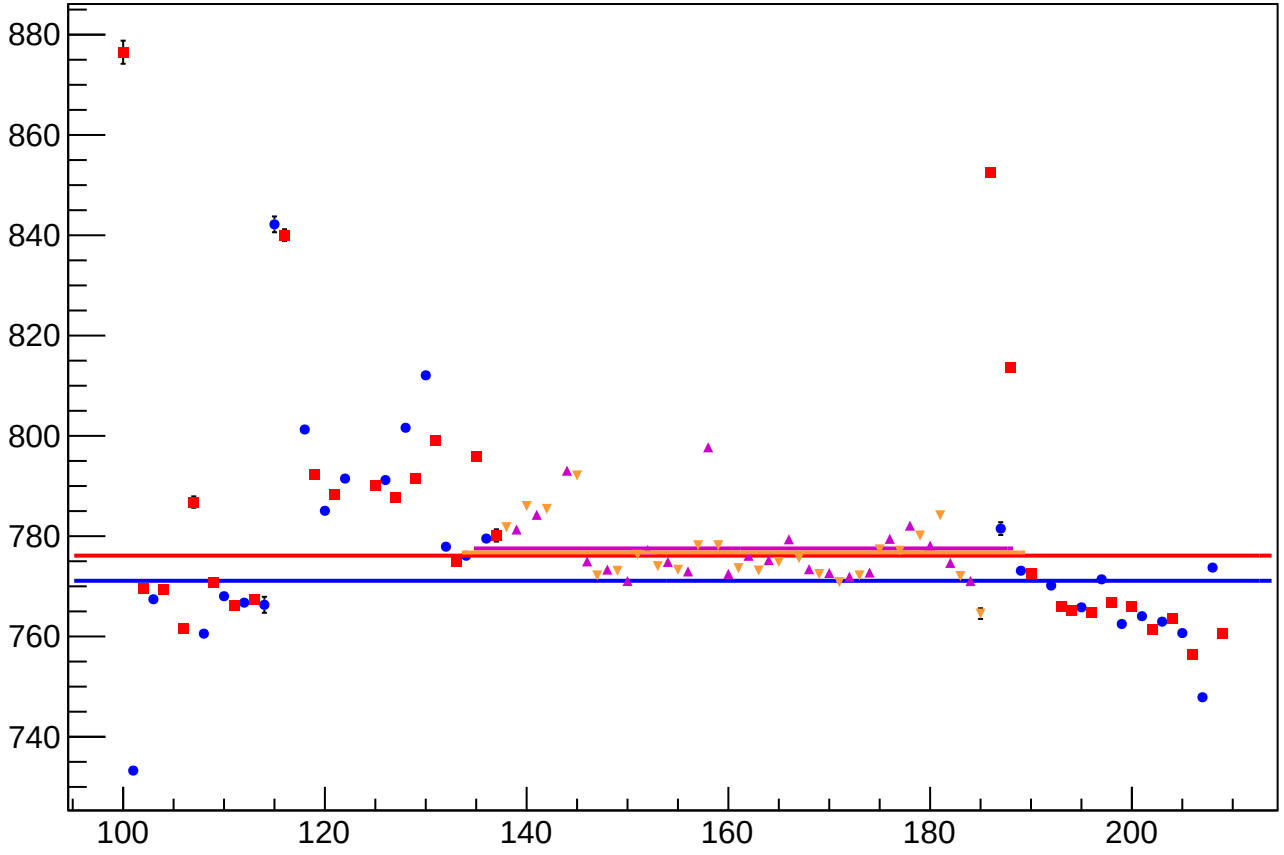
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -255.954+/-131.969 χ^2/NDF: 32.2/50

All: -73.181+/-92.915 χ^2/NDF: 78.1/103

- sign 106.488+/-130.843 χ^2/NDF: 42.0/52

dit_asym_us_dd_rms vs Slug



Right In: 771.105+/-0.137 χ^2/NDF: 15858.8/26

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

Right Out: 776.121+/-0.133 χ^2/NDF: 23985.6/29

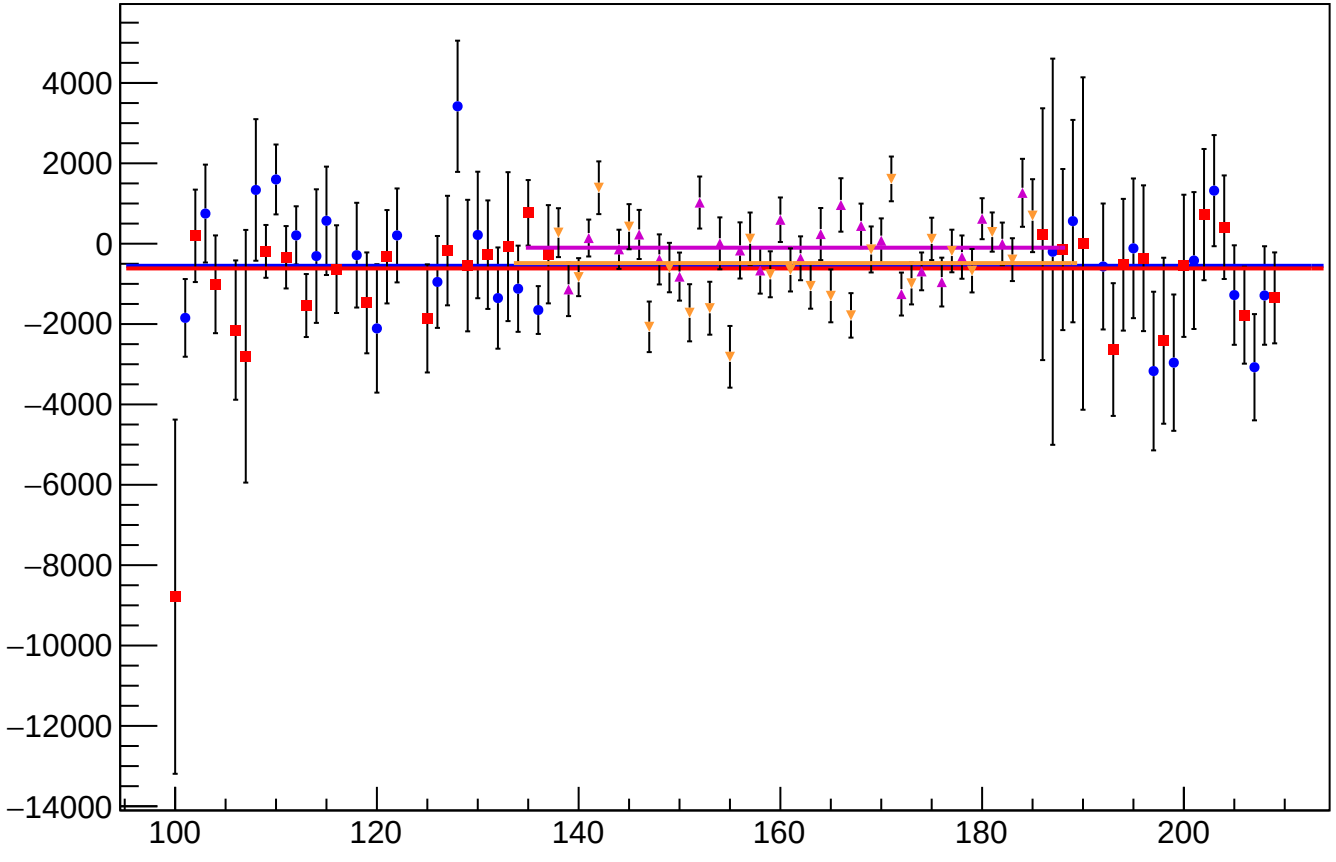
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 774.130+/-0.093 χ^2/NDF: 18595.6/50

All: 775.508+/-0.066 χ^2/NDF: 45824.0/103

- sign 776.863+/-0.093 χ^2/NDF: 26795.9/52

asym_us_dd_dit_correction_mean vs Slug



Right In: -550.334+/-235.129 χ^2/NDF: 34.0/26

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

Right Out: -616.014+/-231.489 χ^2/NDF: 16.9/29

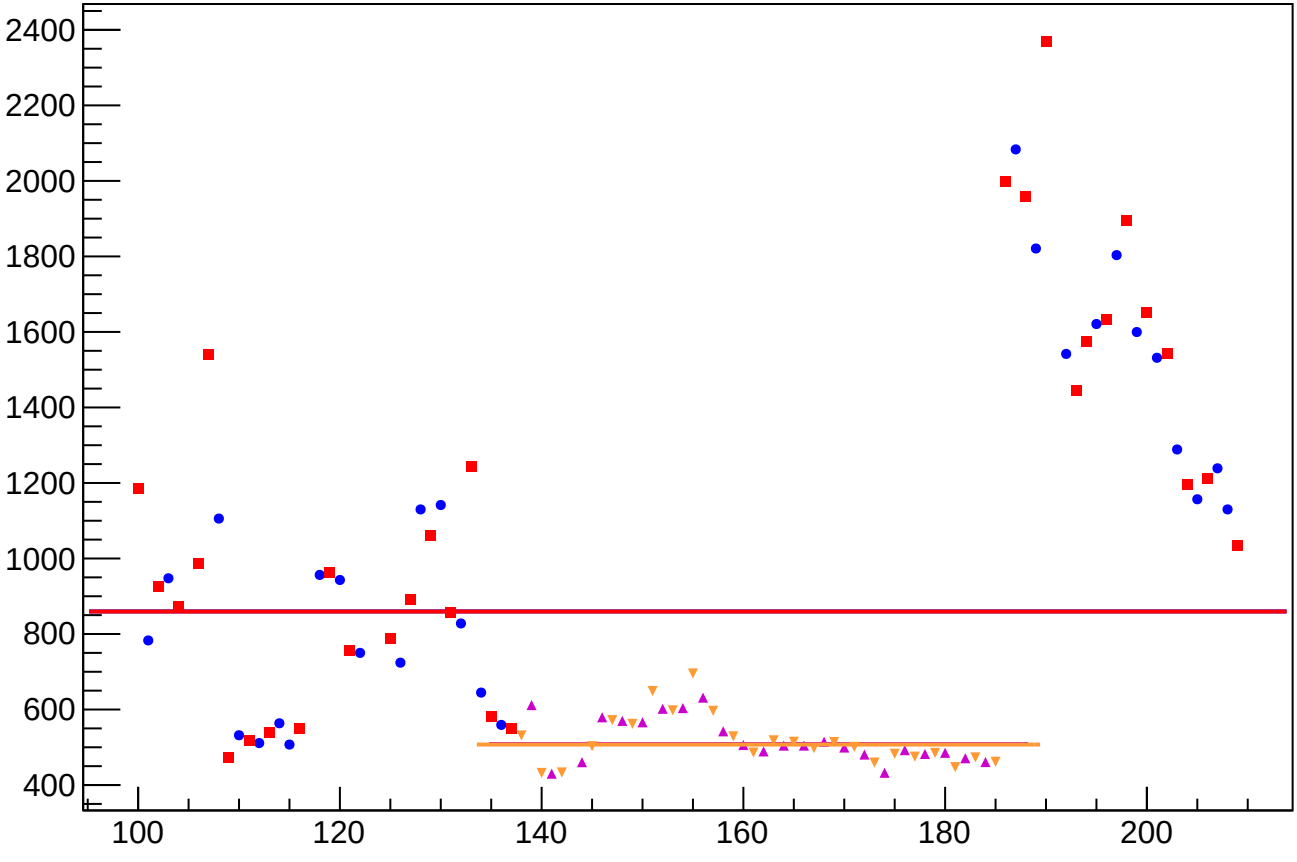
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -496.604+/-106.038 χ^2/NDF: 99.2/50

All: -353.080+/-75.076 χ^2/NDF: 151.1/103

- sign -208.819+/-106.310 χ^2/NDF: 48.3/52

asym_us_dd_dit_correction_rms vs Slug



Right In: 859.862+/-0.166 χ^2/NDF: 4684466.7/26

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

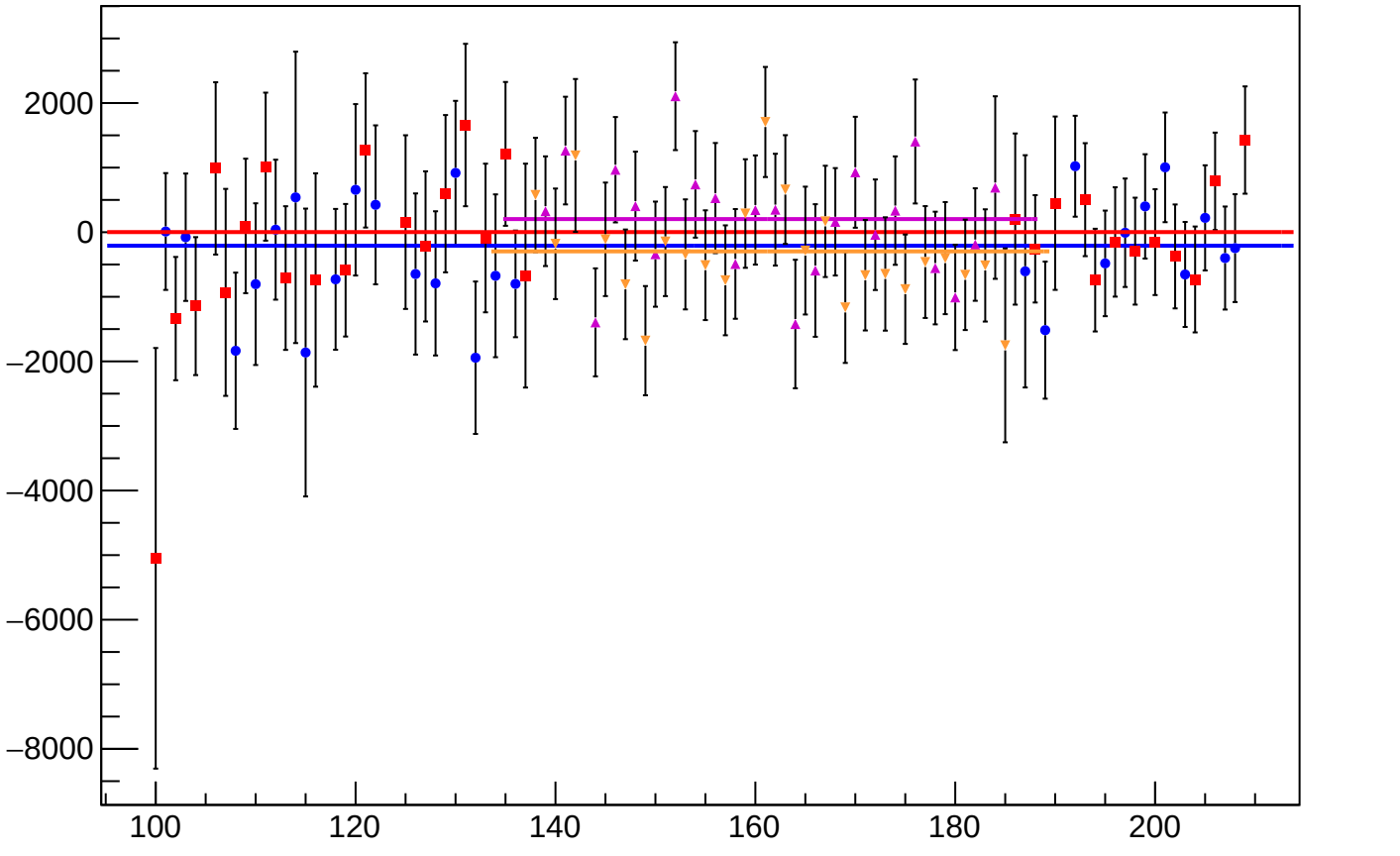
Right Out: 859.582+/-0.164 χ^2/NDF: 5947678.3/29

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

+ sign 579.020+/-0.075 χ^2/NDF: 8740182.7/50

All: 580.832+/-0.053 χ^2/NDF: 18748687.2/10

- sign 582.654+/-0.075 χ^2/NDF: 10007332.7/52



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: 1.810+/-188.742 χ^2/NDF: 19.3/29

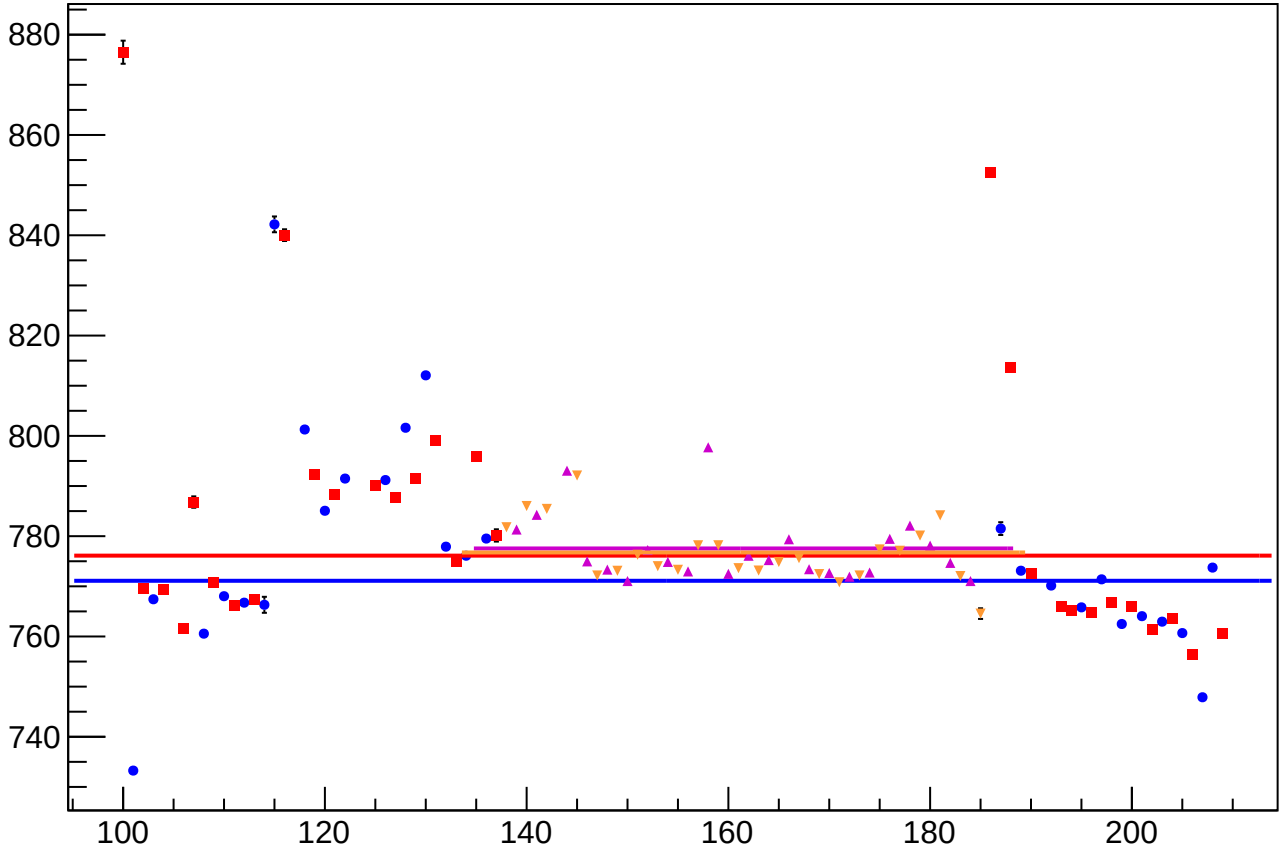
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -255.955+/-131.969 χ^2/NDF: 32.2/50

All: -73.182+/-92.915 χ^2/NDF: 78.1/103

- sign 106.488+/-130.843 χ^2/NDF: 42.0/52

eigen_dit_asym_us_dd_rms vs Slug



Right In: 771.105+/-0.137 χ^2/NDF: 15858.7/26

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

Right Out: 776.121+/-0.133 χ^2/NDF: 23985.6/29

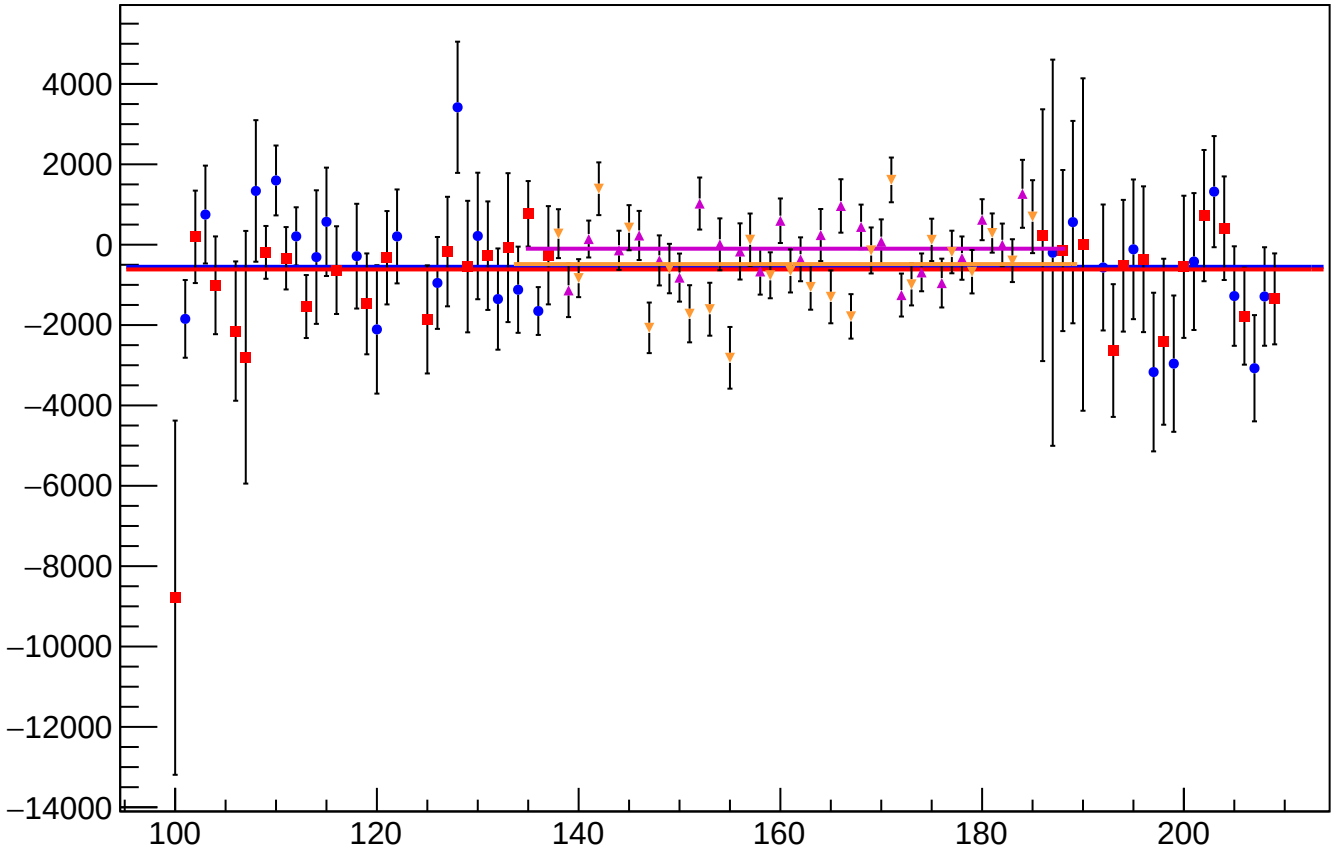
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 774.130+/-0.093 χ^2/NDF: 18595.5/50

All: 775.508+/-0.066 χ^2/NDF: 45823.9/103

- sign 776.863+/-0.093 χ^2/NDF: 26795.9/52

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -550.328+/-235.128 χ^2/NDF: 34.0/26

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

Right Out: -616.013+/-231.488 χ^2/NDF: 16.9/29

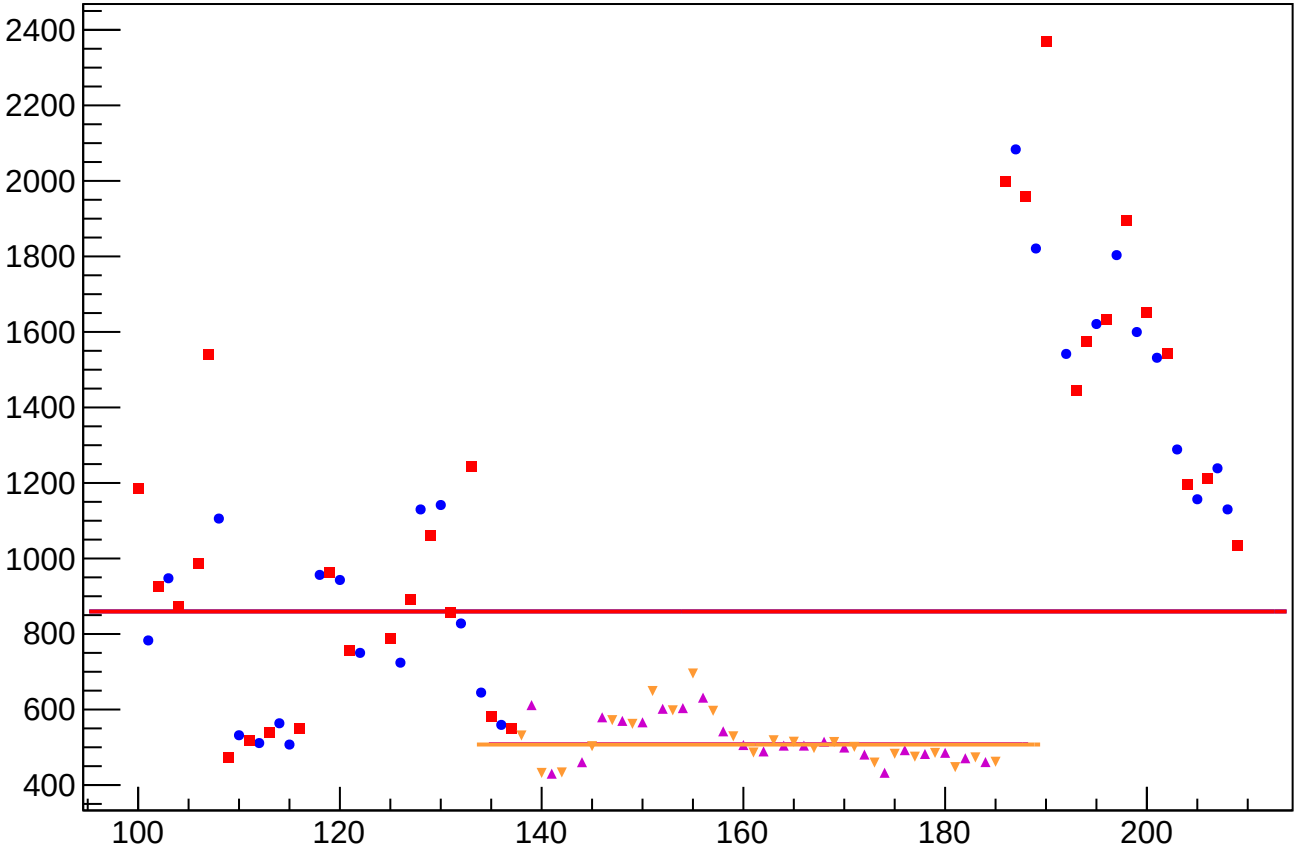
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -496.603+/-106.038 χ^2/NDF: 99.2/50

All: -353.079+/-75.076 χ^2/NDF: 151.1/103

- sign -208.819+/-106.310 χ^2/NDF: 48.3/52

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 859.858+/-0.166 χ^2/NDF: 4684525.7/26

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

Right Out: 859.578+/-0.164 χ^2/NDF: 5947740.8/29

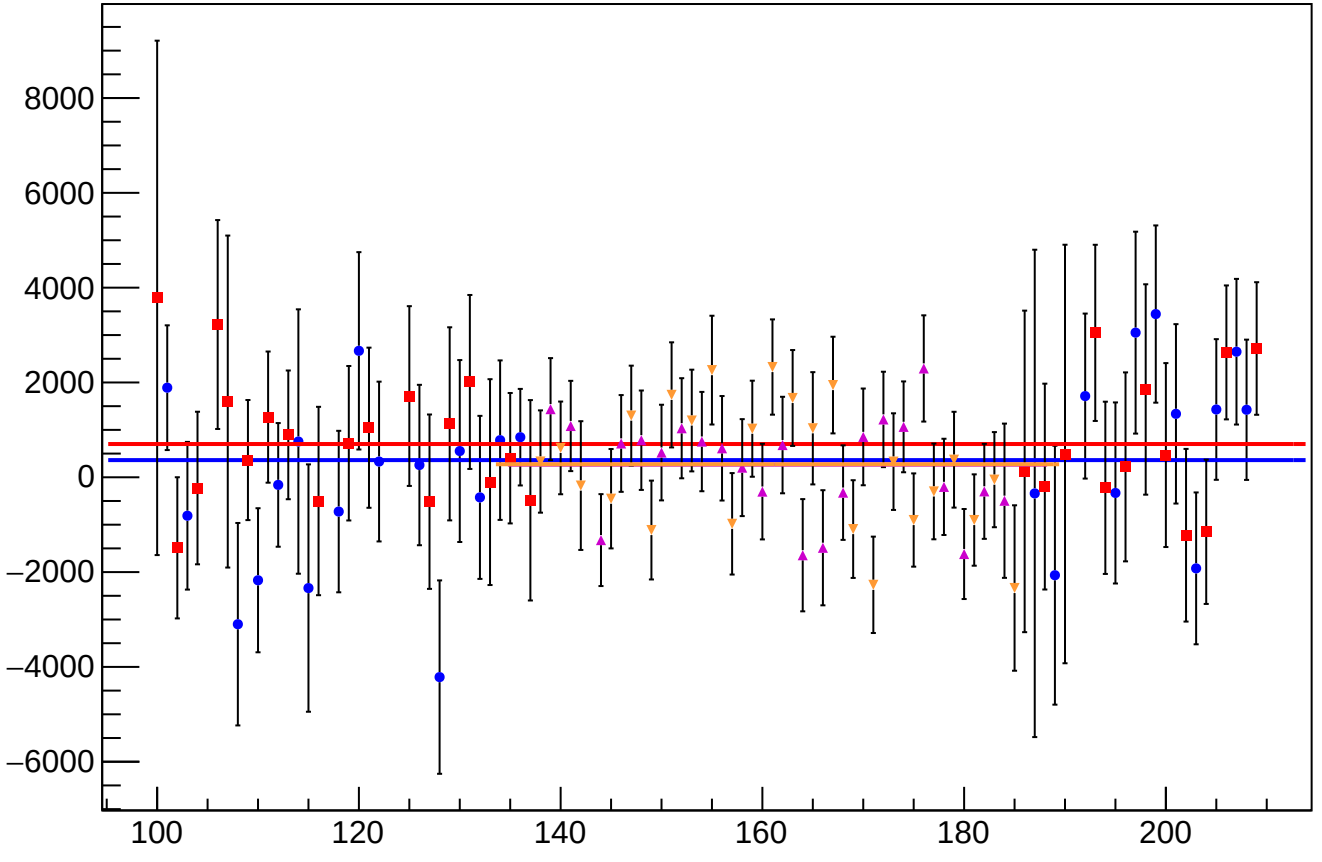
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 579.019+/-0.075 χ^2/NDF: 8740190.7/50

All: 580.832+/-0.053 χ^2/NDF: 18748717.4/10

- sign 582.654+/-0.075 χ^2/NDF: 10007355.1/52

asym_us_dd_mean vs Slug



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

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

Right Out: 701.719+/-327.684 χ^2/NDF: 15.6/29

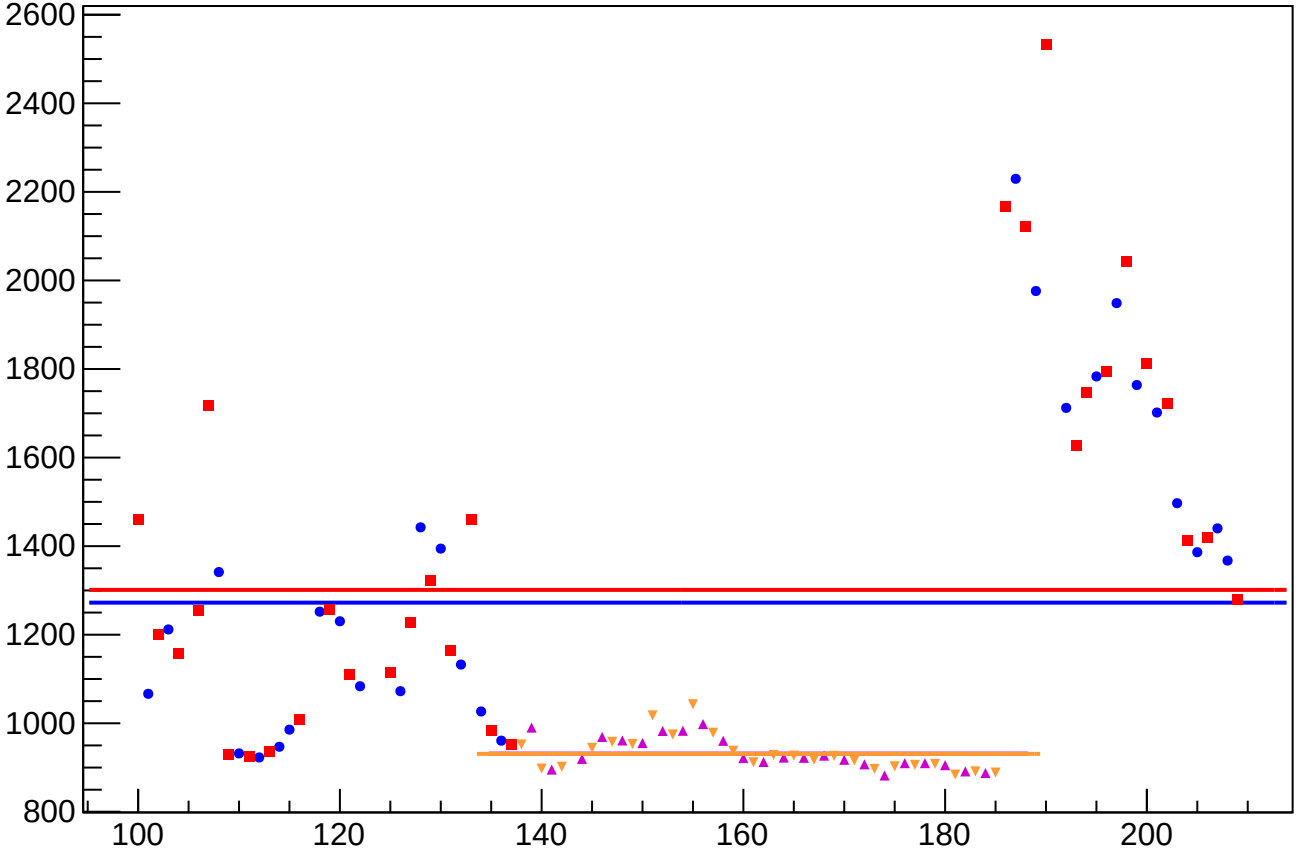
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 301.482+/-180.737 χ^2/NDF: 60.8/50

All: 350.655+/-128.006 χ^2/NDF: 99.1/103

\- sign 400.147+/-181.321 χ^2/NDF: 38.2/52

asym_us_dd_rms vs Slug



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

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

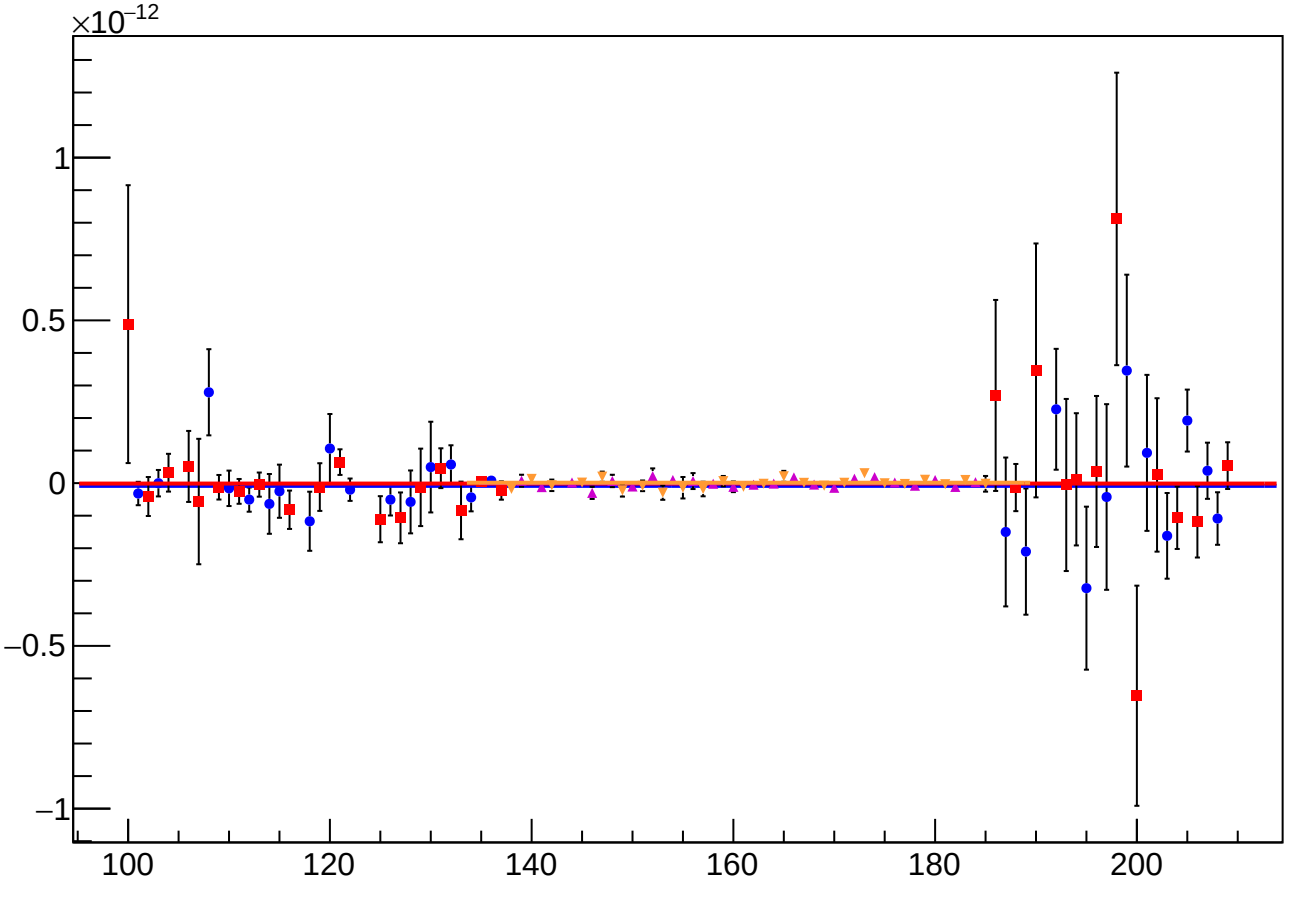
Right Out: 1301.253+/-0.232 χ^2/NDF: 2168461.1/29

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

+ sign 1033.967+/-0.128 χ^2/NDF: 3234425.8/50

All: 1039.345+/-0.091 χ^2/NDF: 7221549.7/10

- sign 1044.757+/-0.128 χ^2/NDF: 3983571.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

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

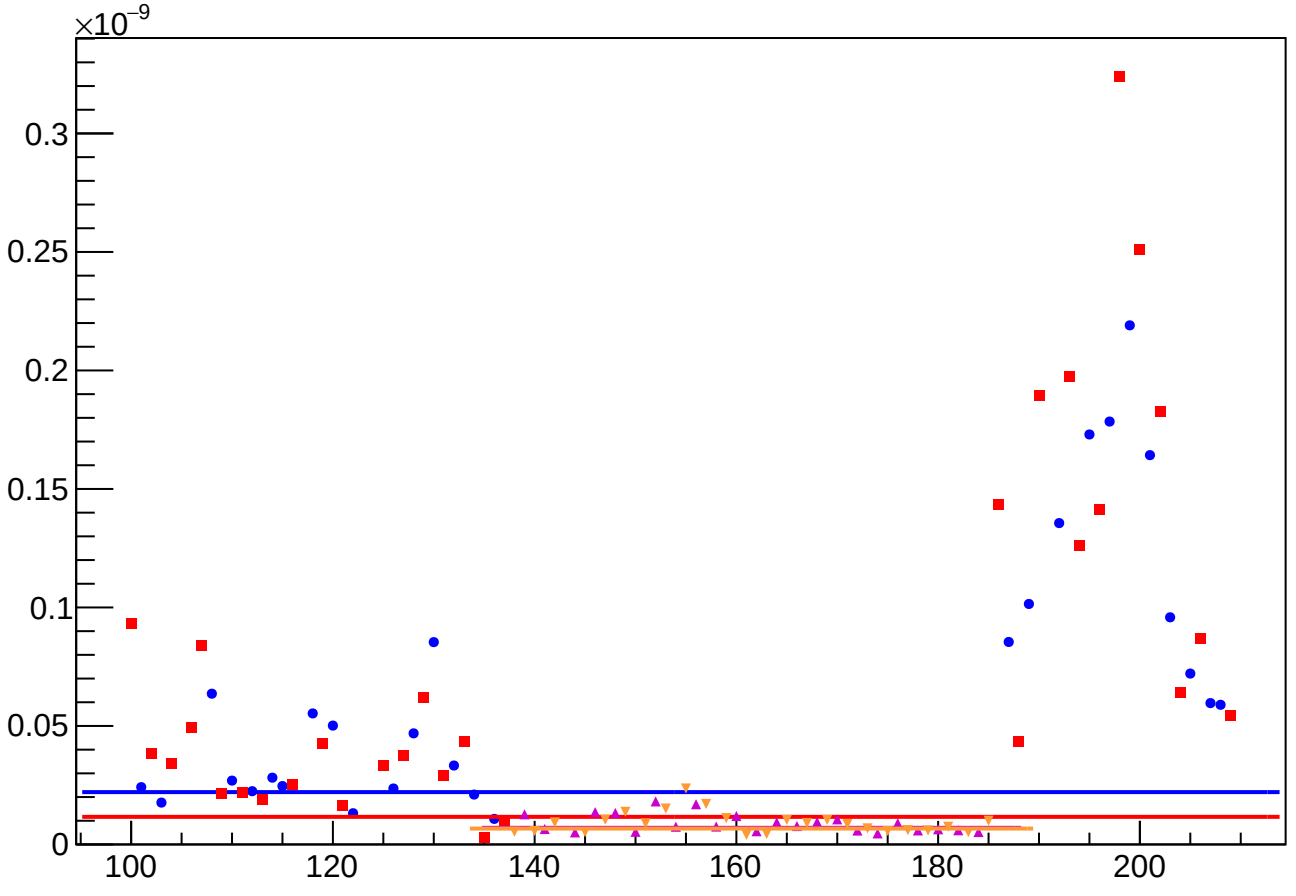
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/50

All: 0.000+/-0.000 χ^2/NDF: 102.5/103

- sign 0.000+/-0.000 χ^2/NDF: 48.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 8653105.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 14066015.4/29

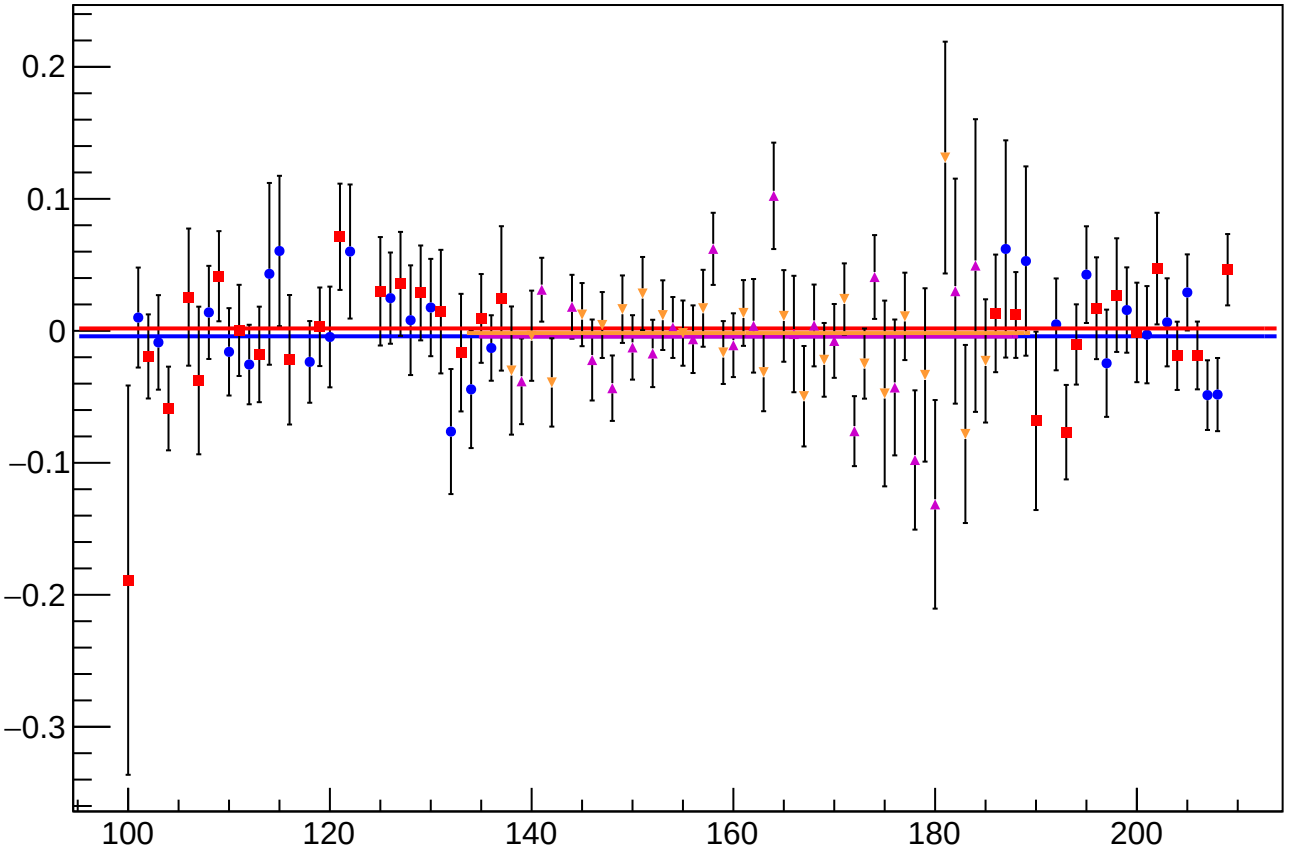
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 16138304.1/50

All: 0.000+/-0.000 χ^2/NDF: 33403017.6/103

- sign 0.000+/-0.000 χ^2/NDF: 17264688.4/52

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.002+/-0.007 χ^2/NDF: 25.4/29

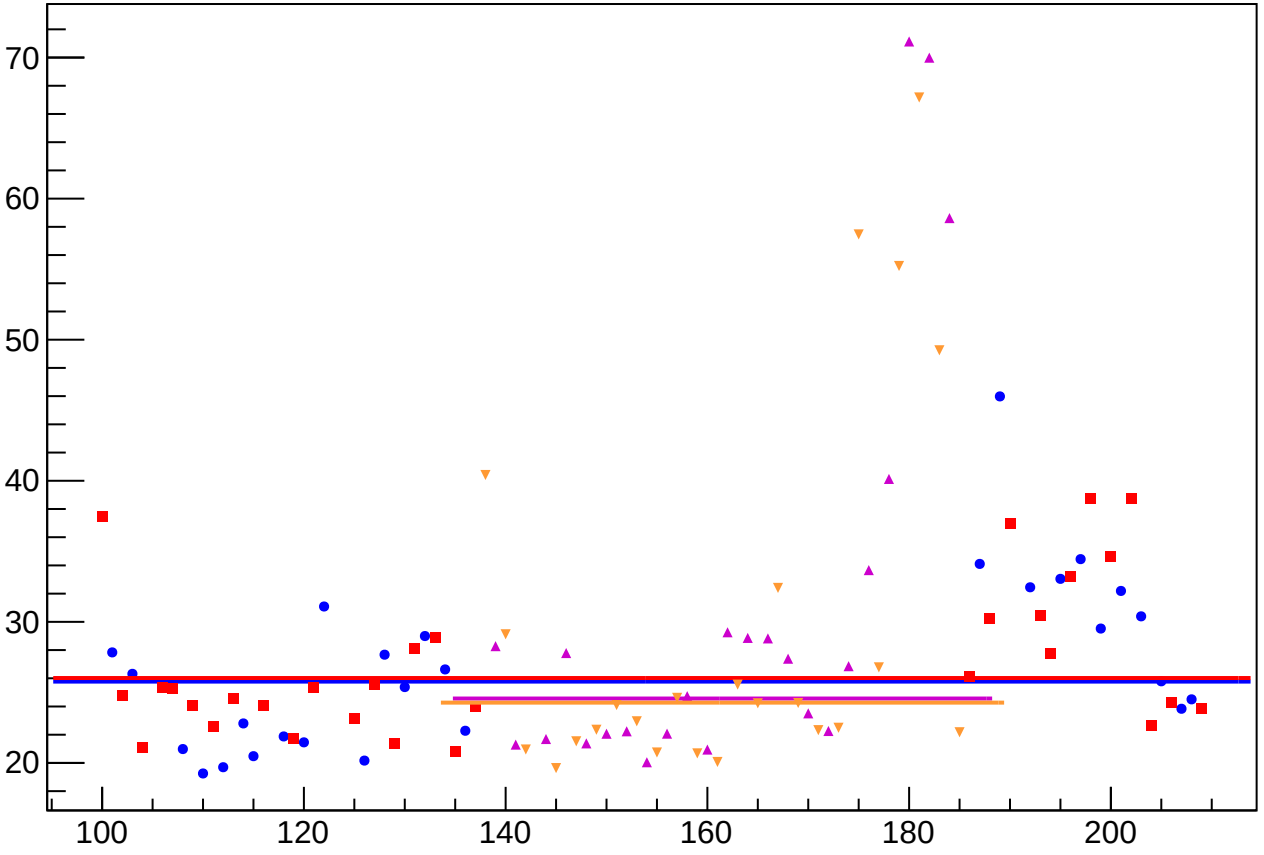
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.002+/-0.003 χ^2/NDF: 96.7/103

- sign -0.001+/-0.005 χ^2/NDF: 62.4/52

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

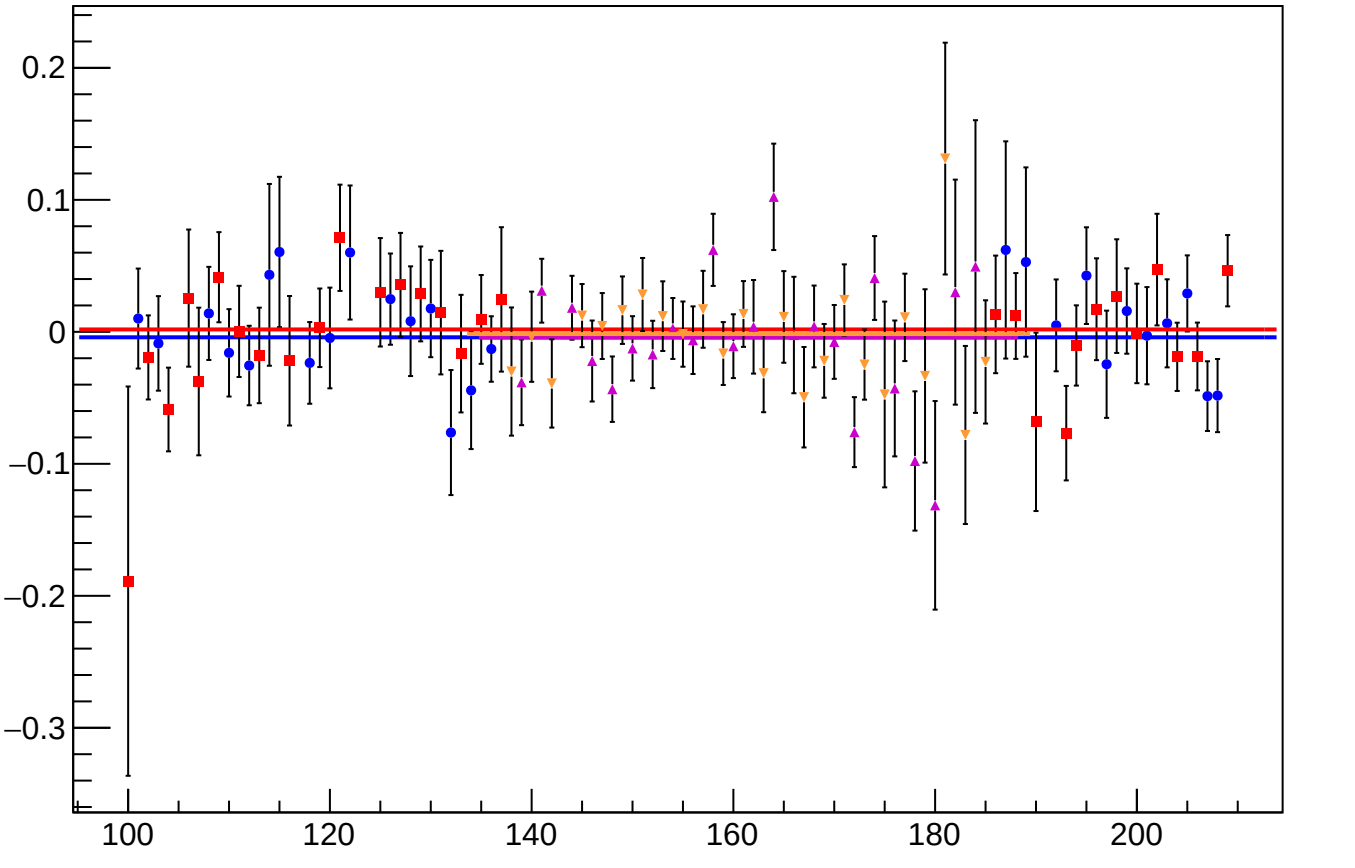
Right Out: 26.018+/-0.005 χ^2/NDF: 955157.9/29

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

+ sign 24.952+/-0.003 χ^2/NDF: 3333881.1/50

All: 25.103+/-0.002 χ^2/NDF: 6474933.4/103

- sign 25.251+/-0.003 χ^2/NDF: 3136943.3/52



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.002+/-0.007 χ^2/NDF: 25.4/29

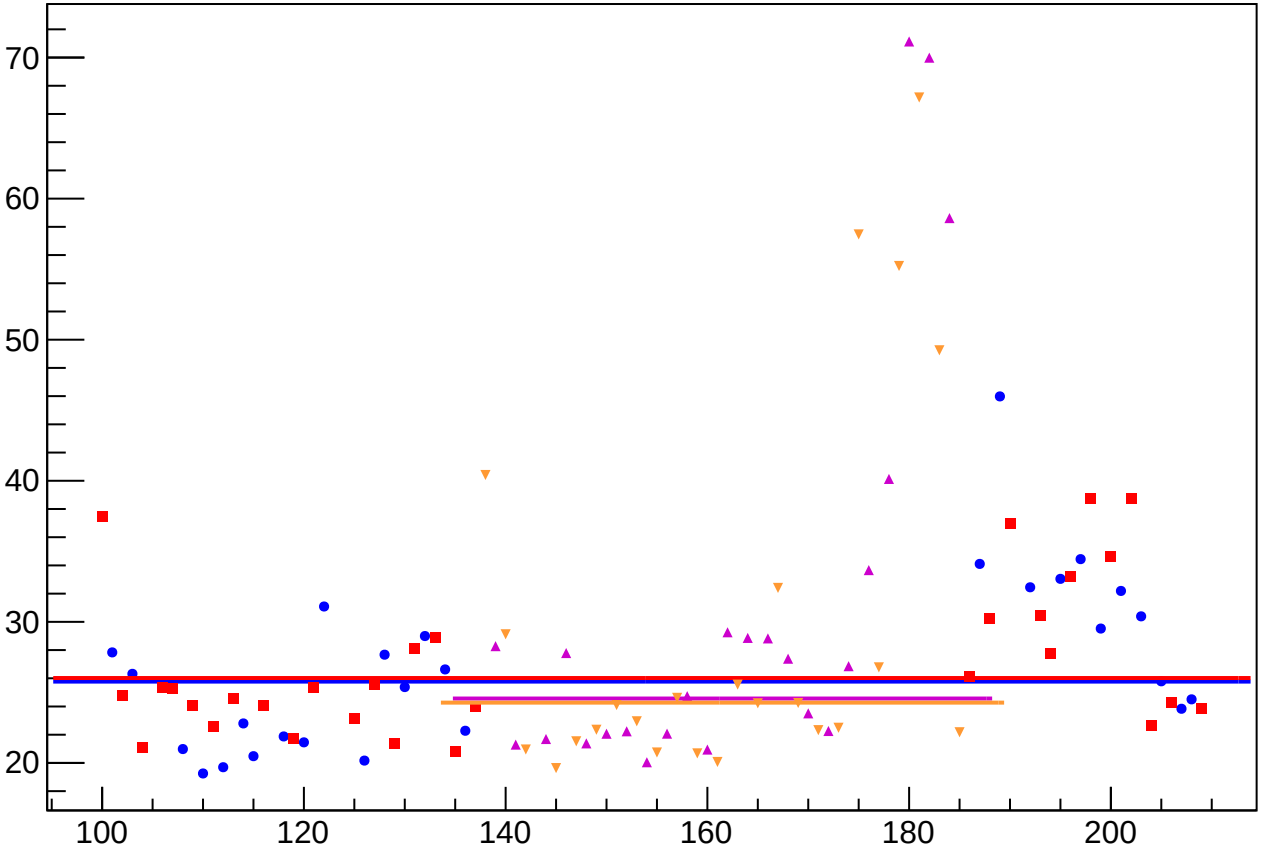
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.002+/-0.003 χ^2/NDF: 96.7/103

- sign -0.001+/-0.005 χ^2/NDF: 62.4/52

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.018+/-0.005 χ^2/NDF: 955157.9/29

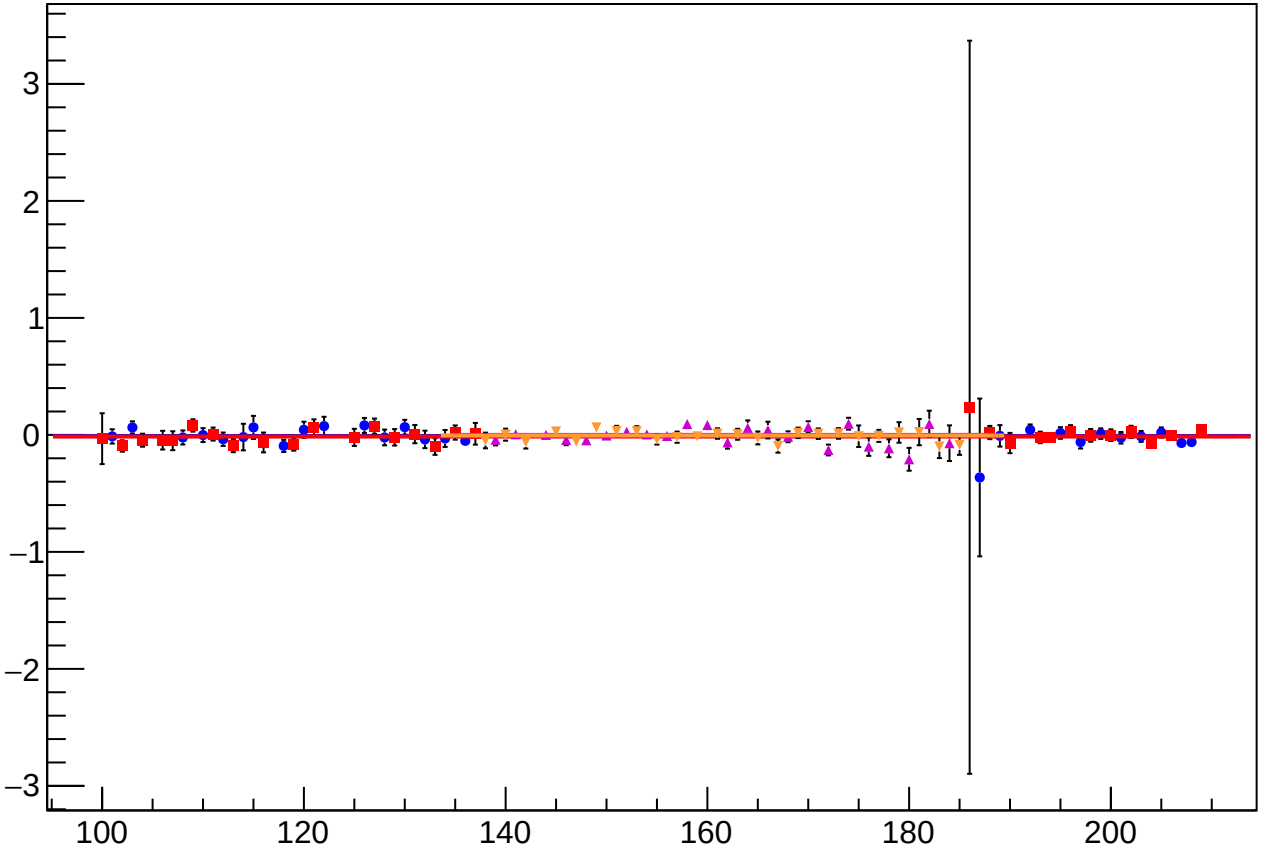
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.952+/-0.003 χ^2/NDF: 3333881.1/50

All: 25.103+/-0.002 χ^2/NDF: 6474933.4/103

- sign 25.251+/-0.003 χ^2/NDF: 3136943.3/52

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

Right Out: -0.014+/-0.011 χ^2/NDF: 22.3/29

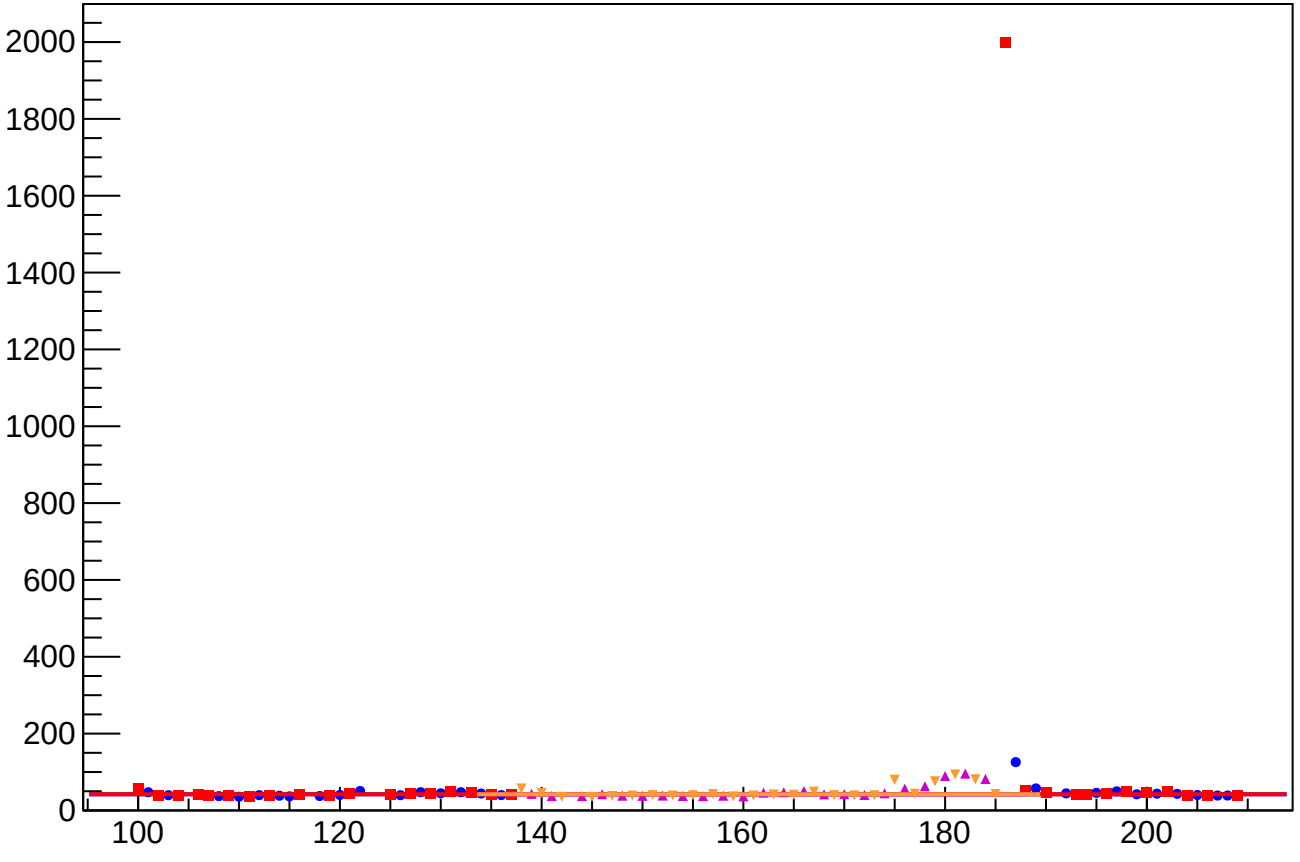
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.007+/-0.008 χ^2/NDF: 32.6/50

All: -0.007+/-0.005 χ^2/NDF: 93.7/103

- sign -0.007+/-0.007 χ^2/NDF: 61.1/52

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.105+/-0.008 χ^2/NDF: 311895.2/26

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

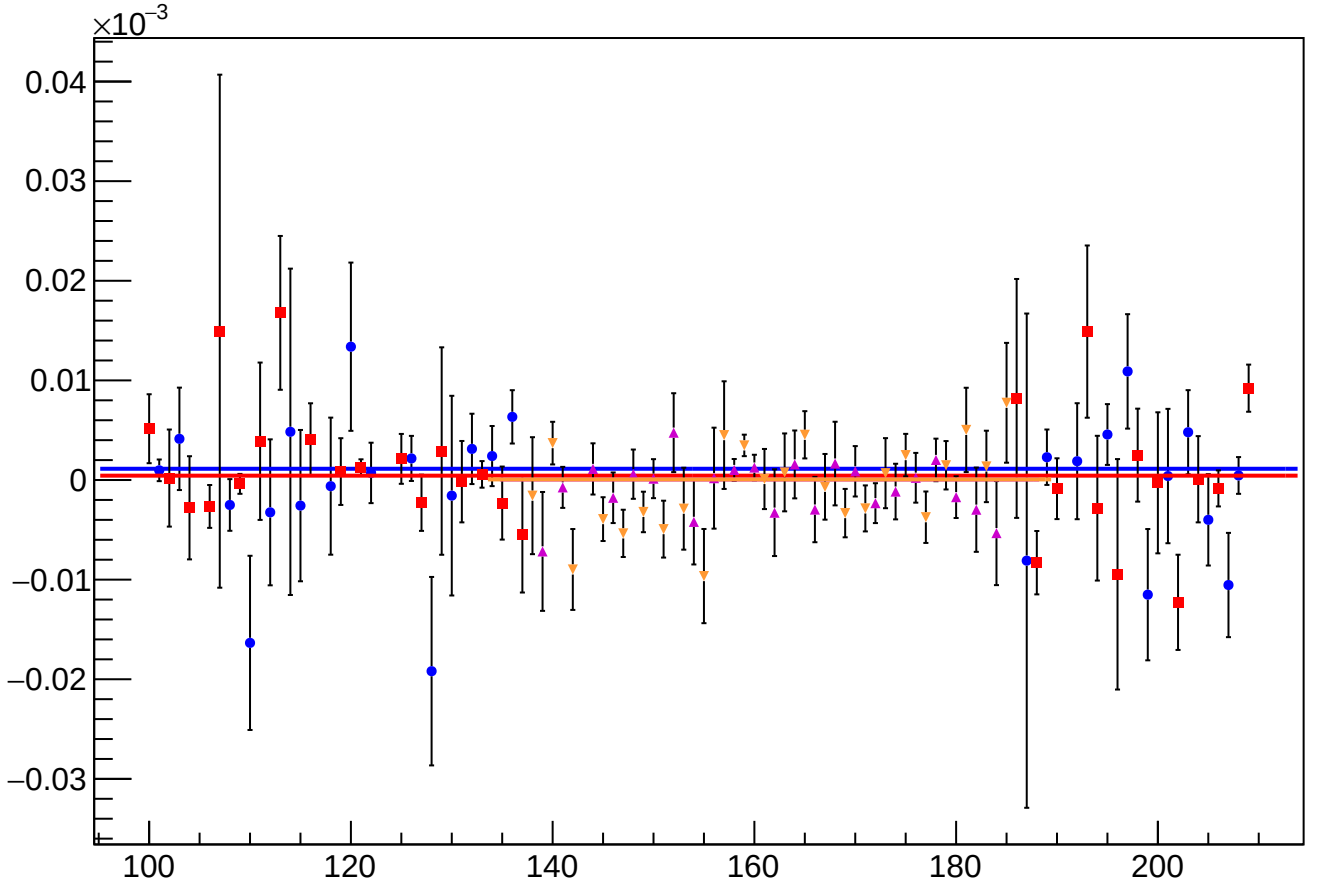
Right Out: 42.158+/-0.008 χ^2/NDF: 1079139.9/29

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

+ sign 42.096+/-0.005 χ^2/NDF: 2027944.7/50

All: 42.107+/-0.004 χ^2/NDF: 4650656.4/103

- sign 42.117+/-0.005 χ^2/NDF: 2622704.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 48.4/29

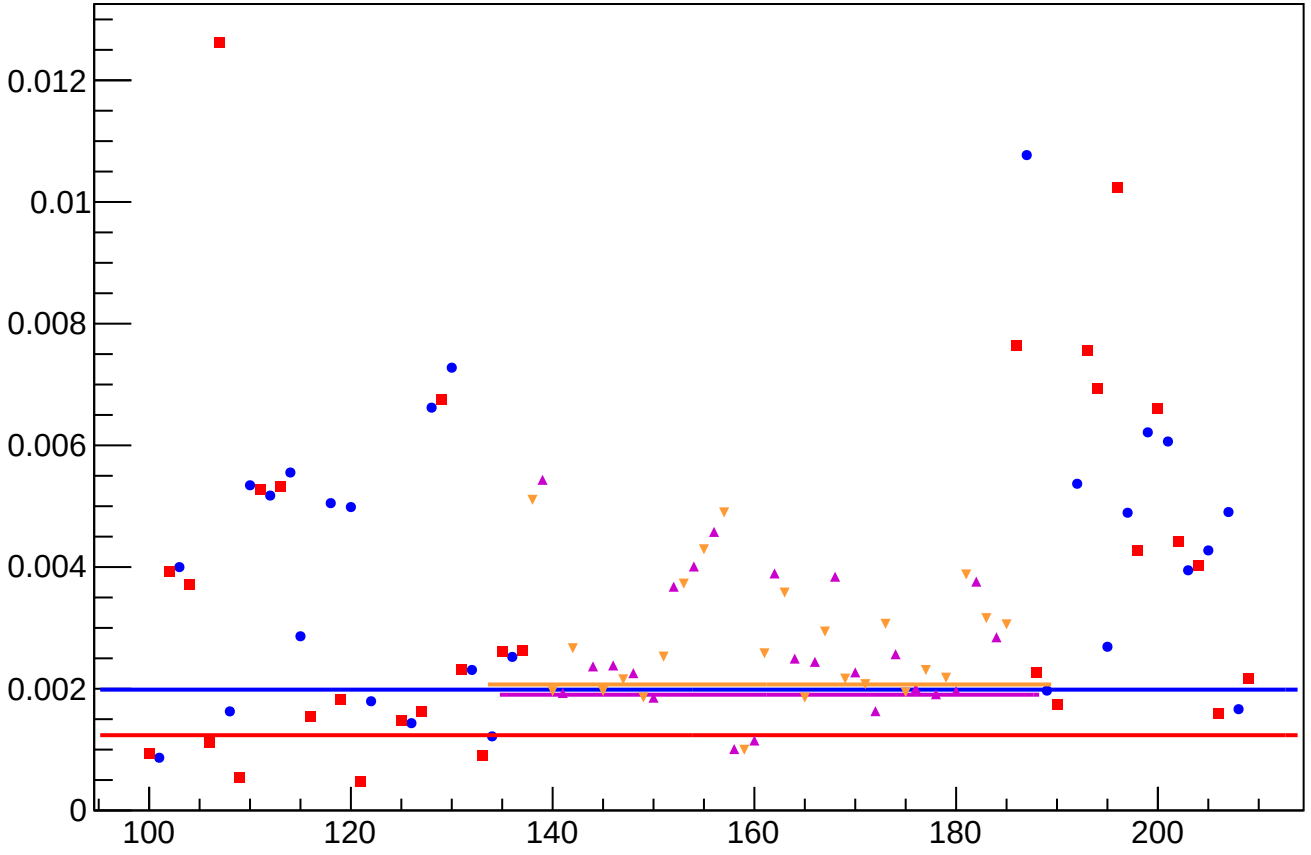
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.0/50

All: 0.000+/-0.000 χ^2/NDF: 149.0/103

- sign 0.000+/-0.000 χ^2/NDF: 61.8/52

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10015703.6/26

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

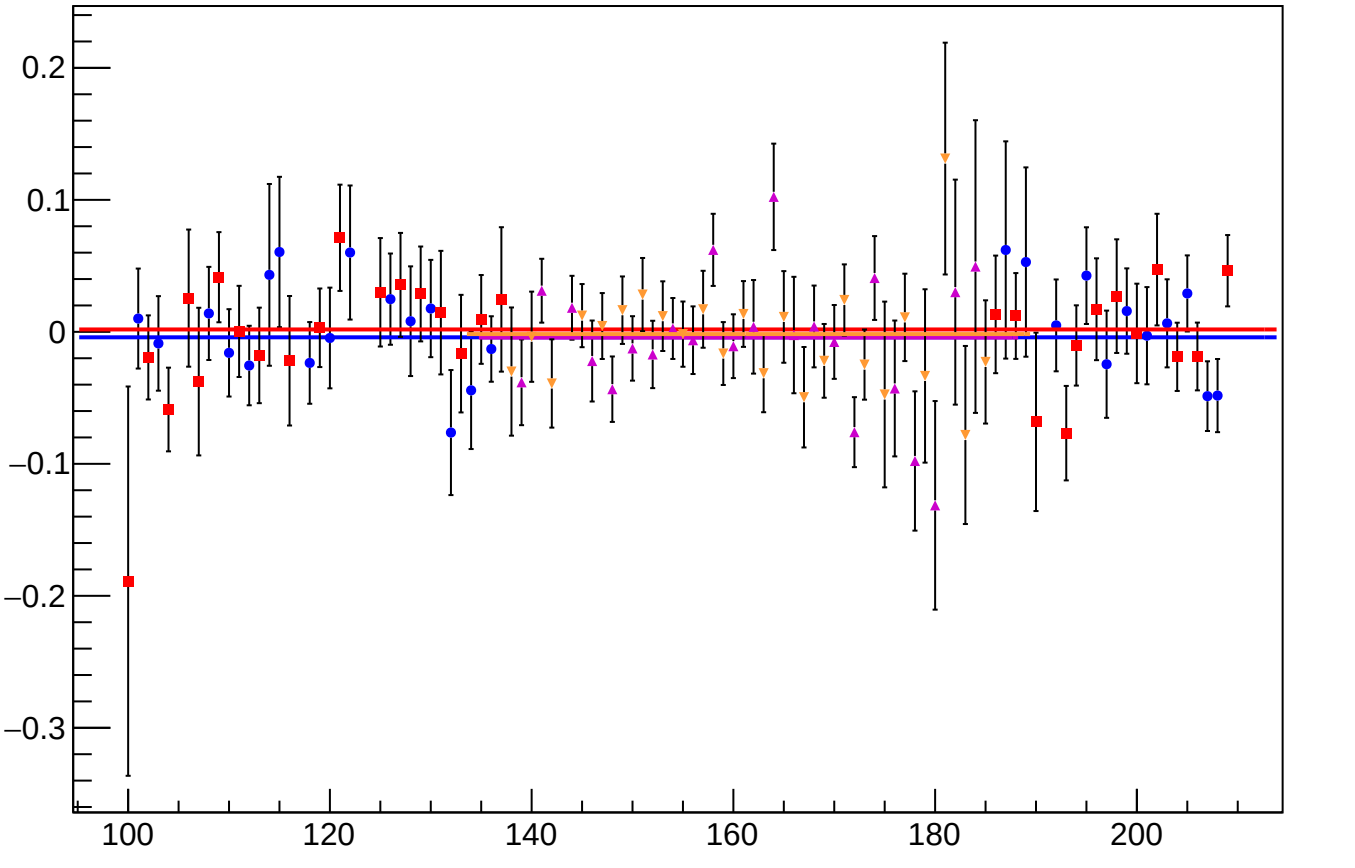
Right Out: 0.001+/-0.000 χ^2/NDF: 15018853.2/29

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

+ sign 0.002+/-0.000 χ^2/NDF: 15300665.4/50

All: 0.002+/-0.000 χ^2/NDF: 40057618.1/103

- sign 0.002+/-0.000 χ^2/NDF: 22940927.5/52



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: 0.002+/-0.007 χ^2/NDF: 25.4/29

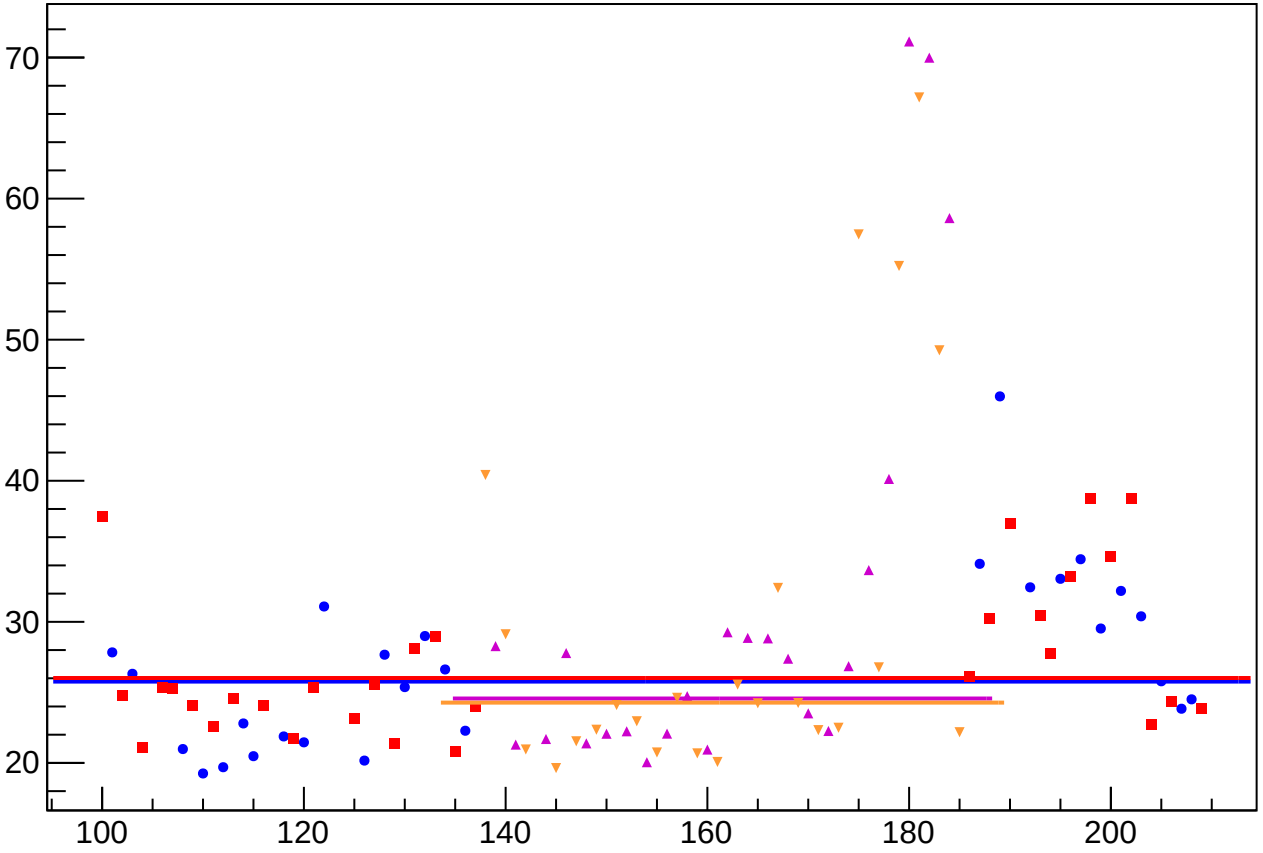
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.002+/-0.003 χ^2/NDF: 96.8/103

- sign -0.001+/-0.005 χ^2/NDF: 62.4/52

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

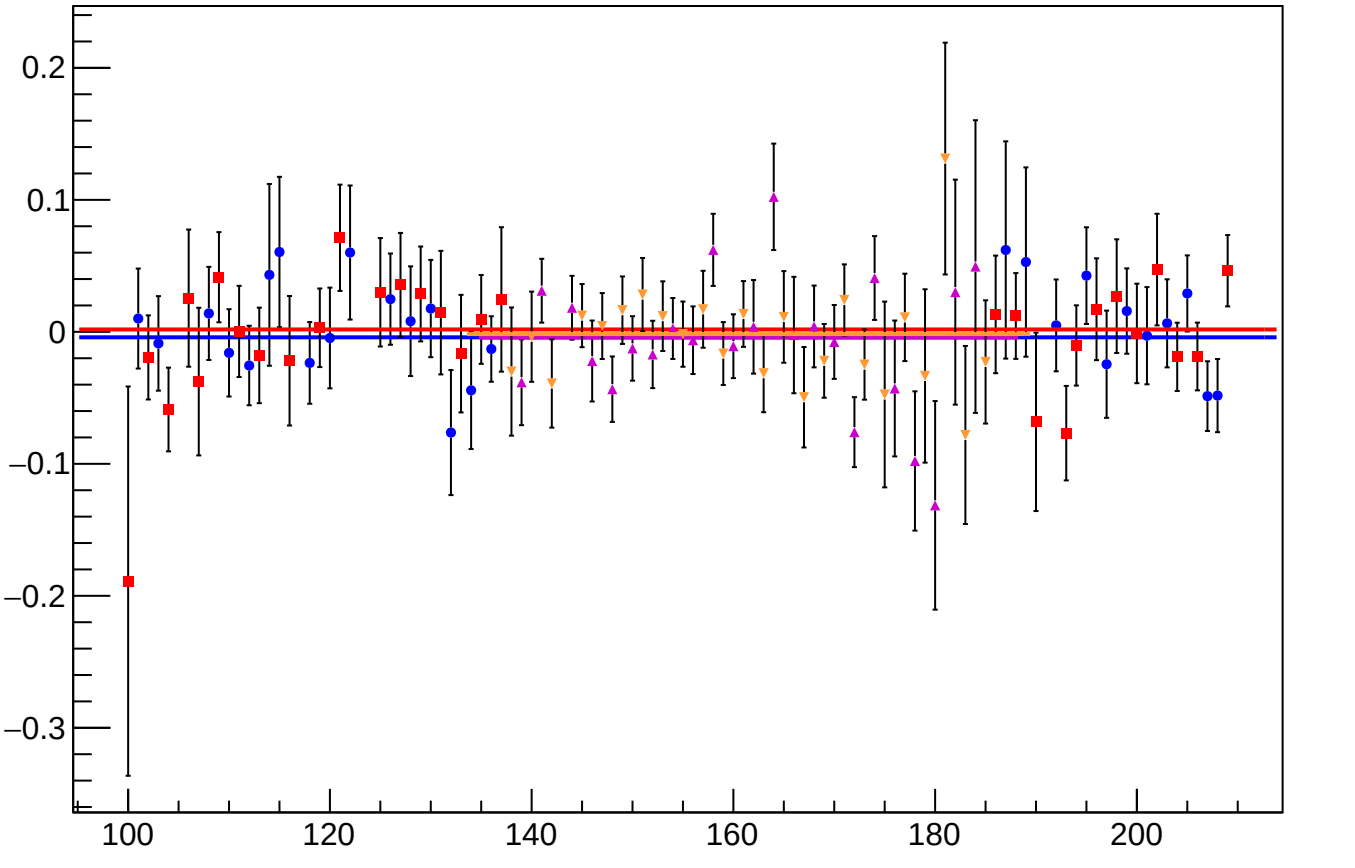
Right Out: 26.018+/-0.005 χ^2/NDF: 955070.9/29

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

\+ sign 24.952+/-0.003 χ^2/NDF: 3333834.8/50

All: 25.103+/-0.002 χ^2/NDF: 6474674.5/103

\- sign 25.251+/-0.003 χ^2/NDF: 3136719.4/52



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

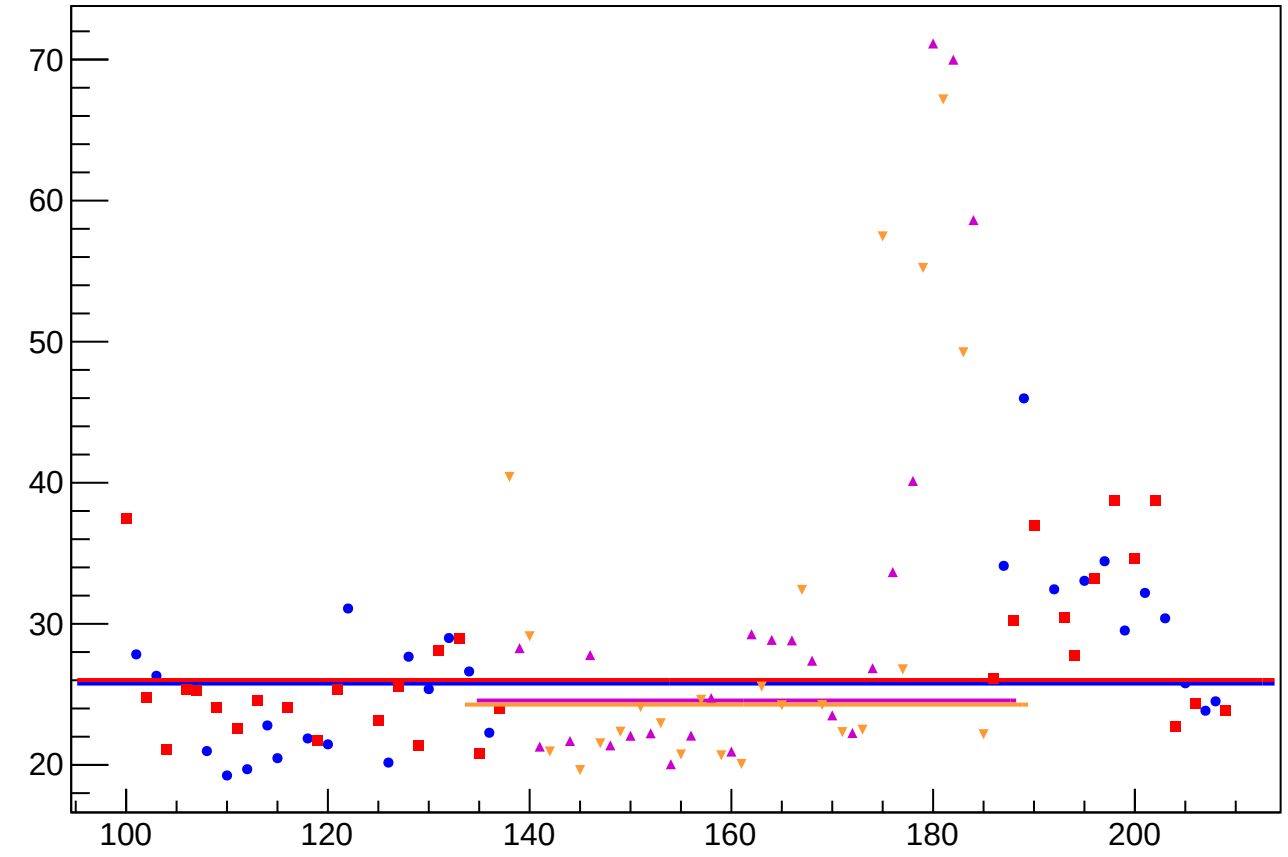
Right Out: 0.002+/-0.007 χ^2/NDF: 25.4/29

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

+ sign -0.003+/-0.005 χ^2/NDF: 34.3/50

All: -0.002+/-0.003 χ^2/NDF: 96.8/103

- sign -0.001+/-0.005 χ^2/NDF: 62.4/52



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

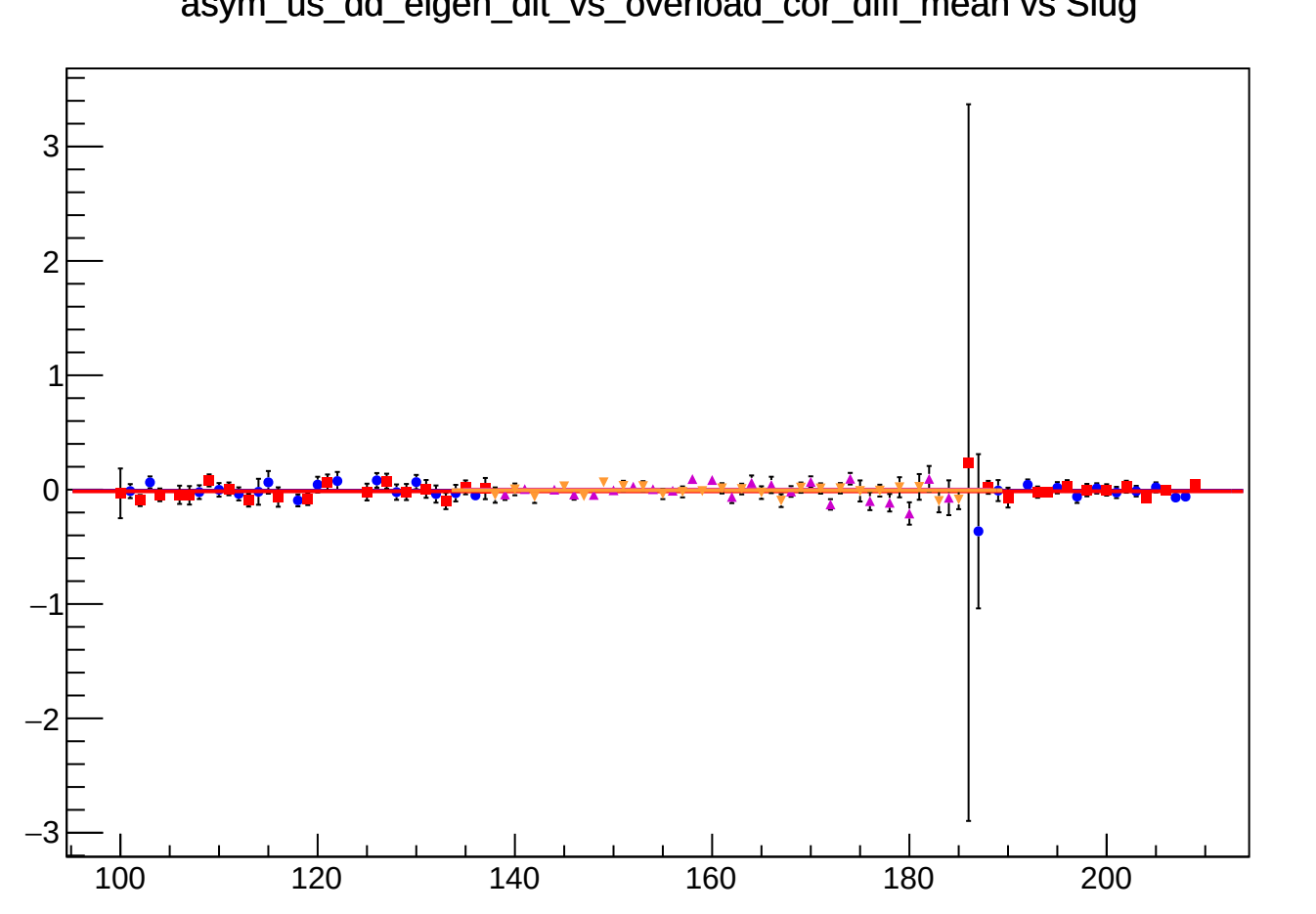
Right Out: 26.018+/-0.005 χ^2/NDF: 955070.9/29

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

+ sign 24.952+/-0.003 χ^2/NDF: 3333834.8/50

All: 25.103+/-0.002 χ^2/NDF: 6474674.5/103

- sign 25.251+/-0.003 χ^2/NDF: 3136719.4/52



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

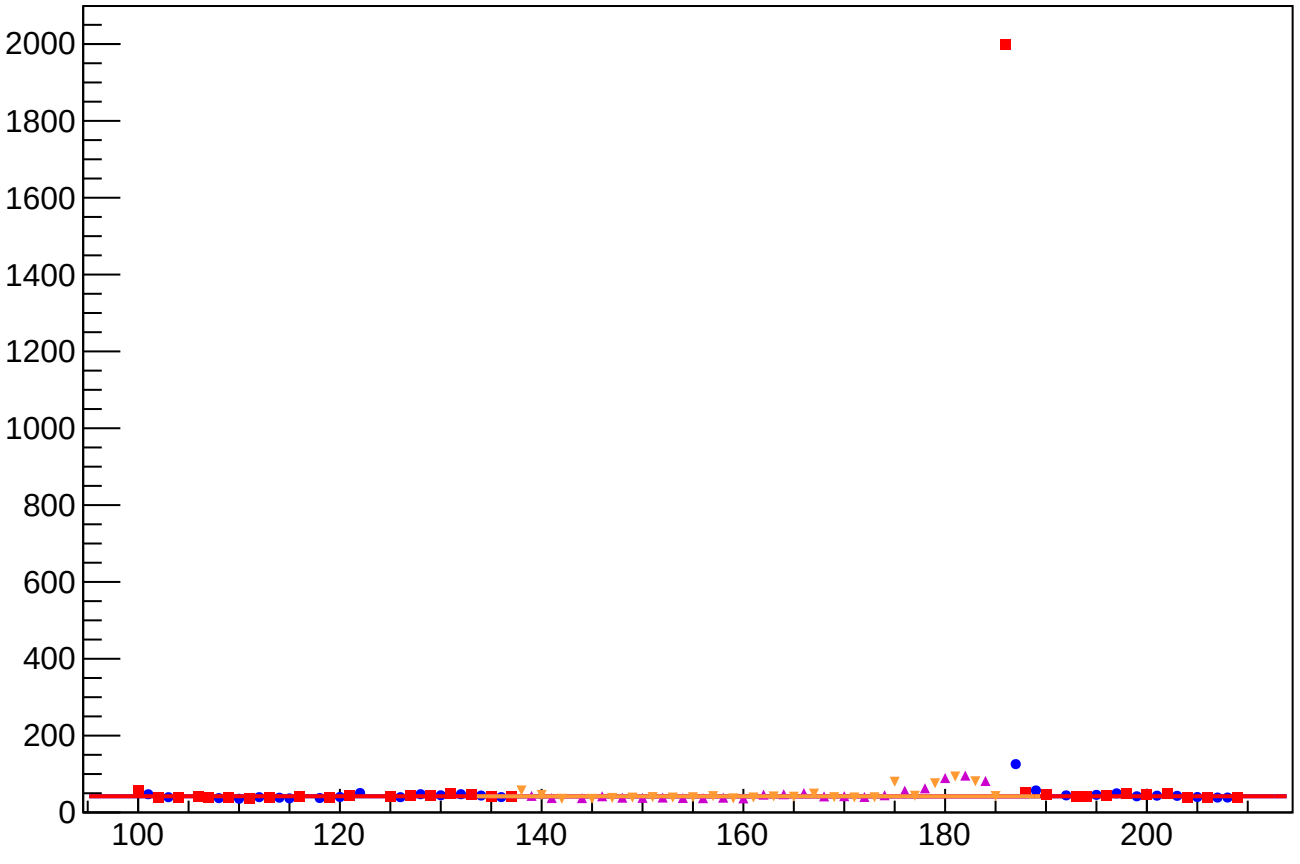
Right Out: -0.014+/-0.011 χ^2/NDF: 22.3/29

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

+ sign -0.007+/-0.008 χ^2/NDF: 32.6/50

All: -0.007+/-0.005 χ^2/NDF: 93.7/103

- sign -0.007+/-0.007 χ^2/NDF: 61.1/52



Right In: 42.105+/-0.008 χ^2/NDF: 311849.2/26

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

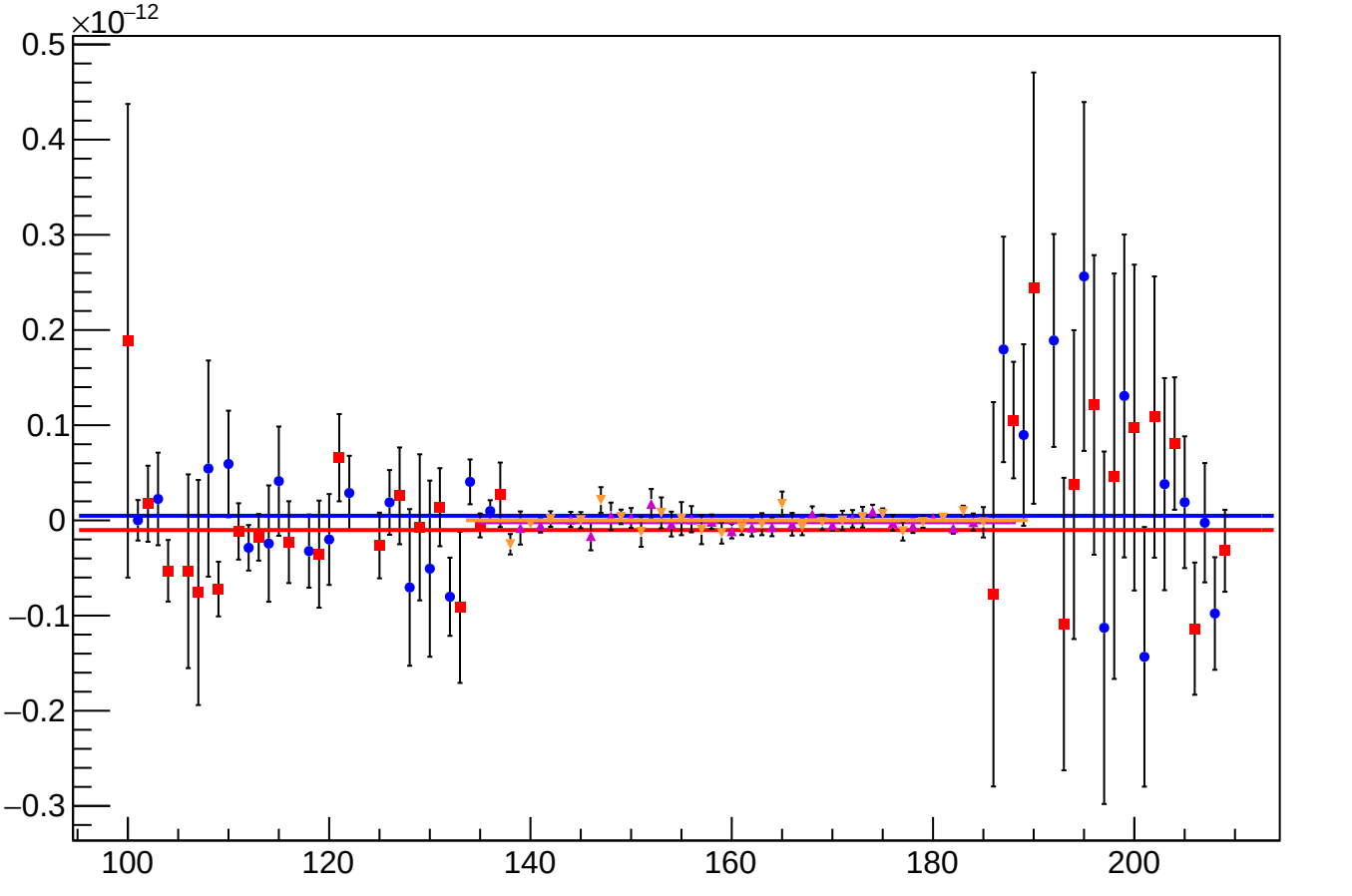
Right Out: 42.158+/-0.008 χ^2/NDF: 1079130.7/29

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

+ sign 42.096+/-0.005 χ^2/NDF: 2027889.2/50

All: 42.107+/-0.004 χ^2/NDF: 4650567.3/103

- sign 42.117+/-0.005 χ^2/NDF: 2622670.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/26

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

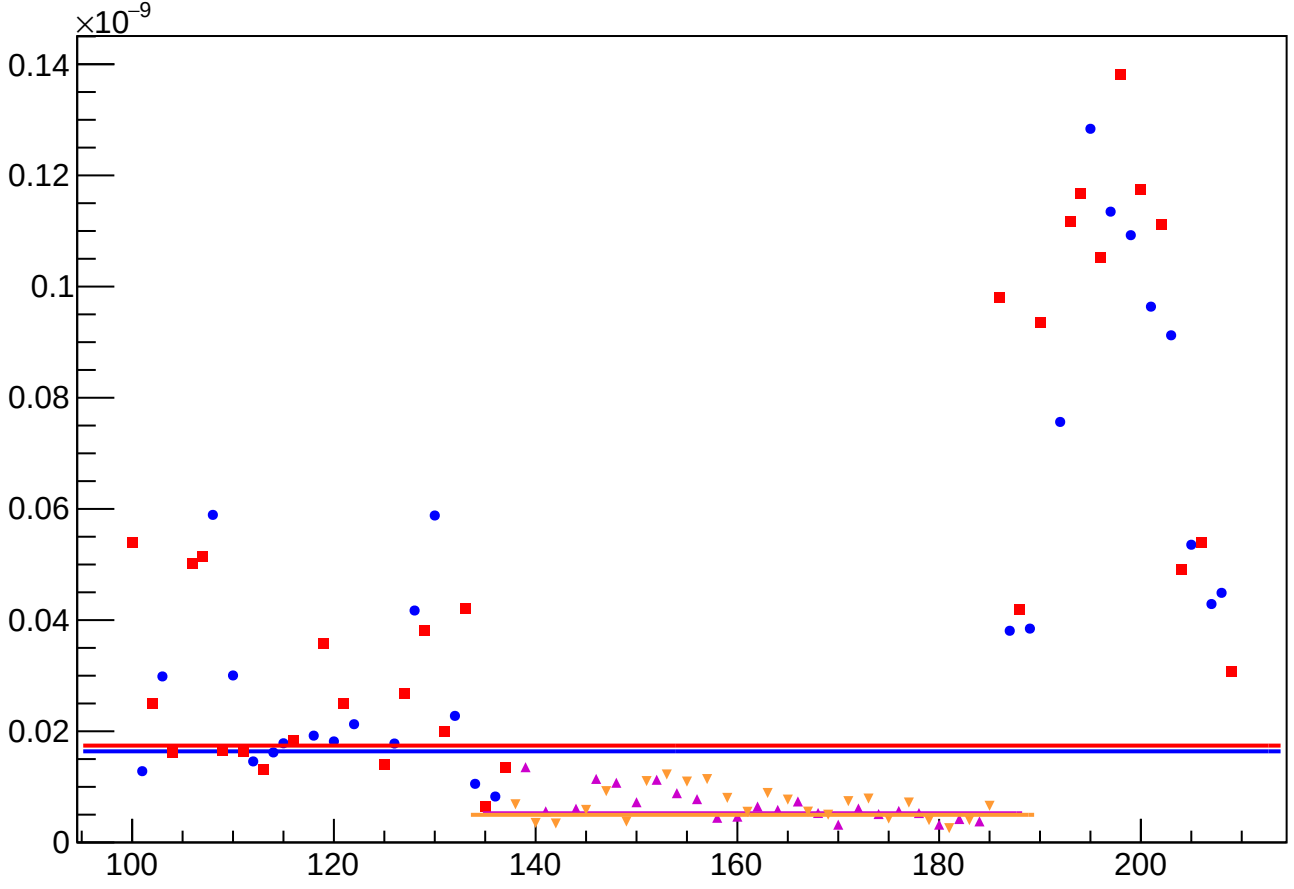
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/29

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

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/50

All: -0.000+/-0.000 χ^2/NDF: 88.4/103

- sign -0.000+/-0.000 χ^2/NDF: 38.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 8093939.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9089753.0/29

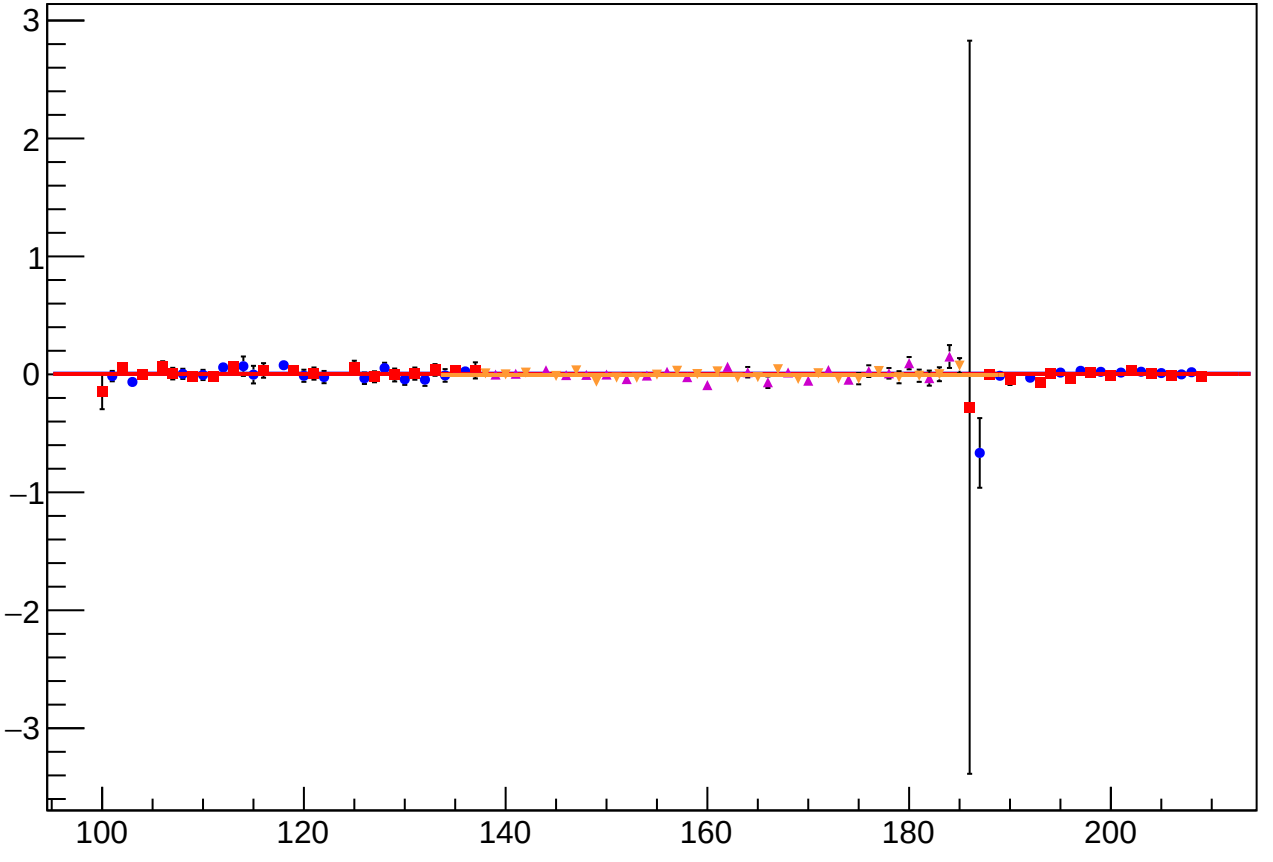
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16481883.2/50

All: 0.000+/-0.000 χ^2/NDF: 33276485.9/103

- sign 0.000+/-0.000 χ^2/NDF: 16759408.8/52

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: 0.004+/-0.007 χ^2/NDF: 23.4/29

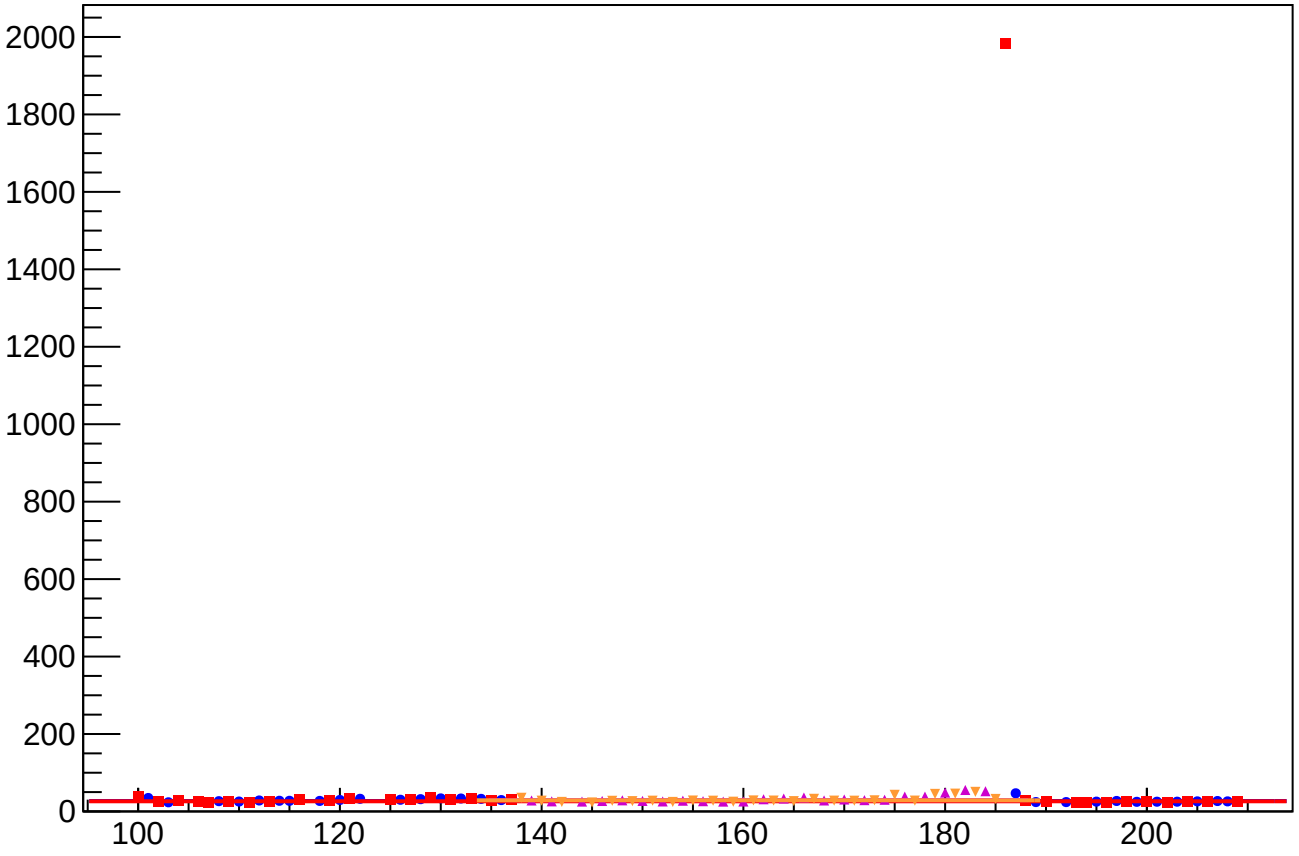
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign 0.000+/-0.005 χ^2/NDF: 42.3/50

All: 0.000+/-0.004 χ^2/NDF: 97.5/103

- sign 0.000+/-0.005 χ^2/NDF: 55.2/52

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

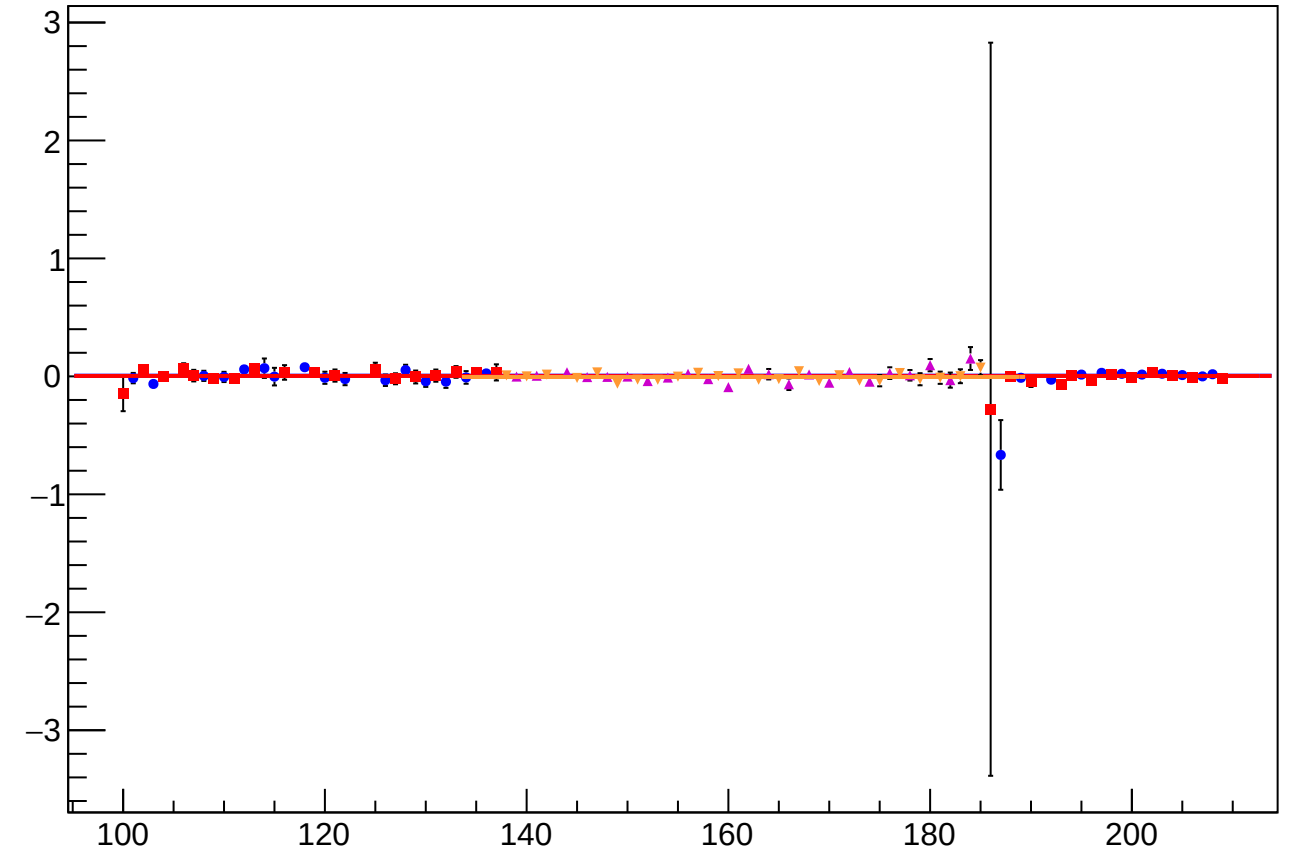
Right Out: 26.305+/-0.005 χ^2/NDF: 1109409.9/29

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

+ sign 27.887+/-0.004 χ^2/NDF: 1566854.0/50

All: 27.791+/-0.002 χ^2/NDF: 3996412.7/103

- sign 27.697+/-0.003 χ^2/NDF: 2428090.9/52



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: 0.004+/-0.007 χ^2/NDF: 23.4/29

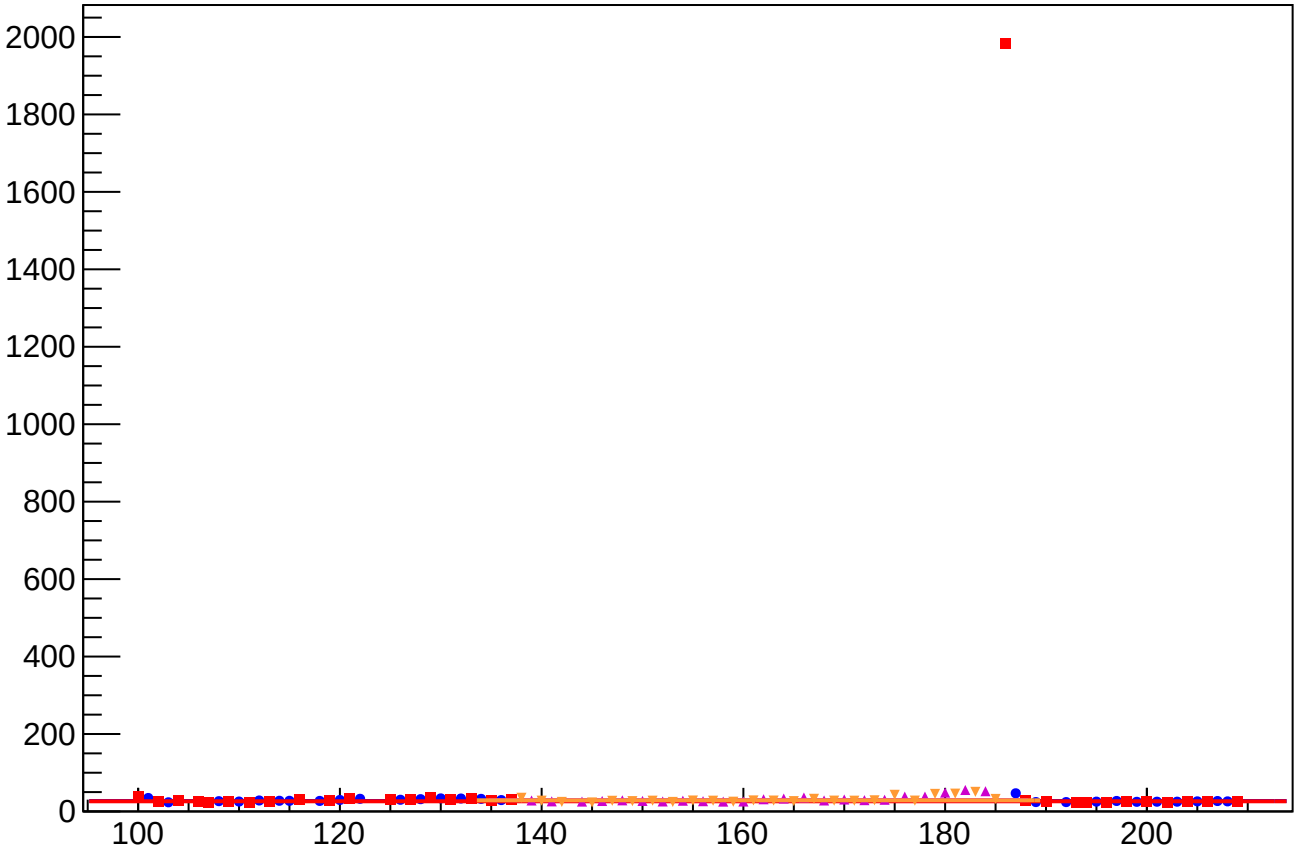
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign 0.000+/-0.005 χ^2/NDF: 42.3/50

All: 0.000+/-0.004 χ^2/NDF: 97.5/103

- sign 0.000+/-0.005 χ^2/NDF: 55.2/52

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

Right Out: 26.305+/-0.005 χ^2/NDF: 1109409.9/29

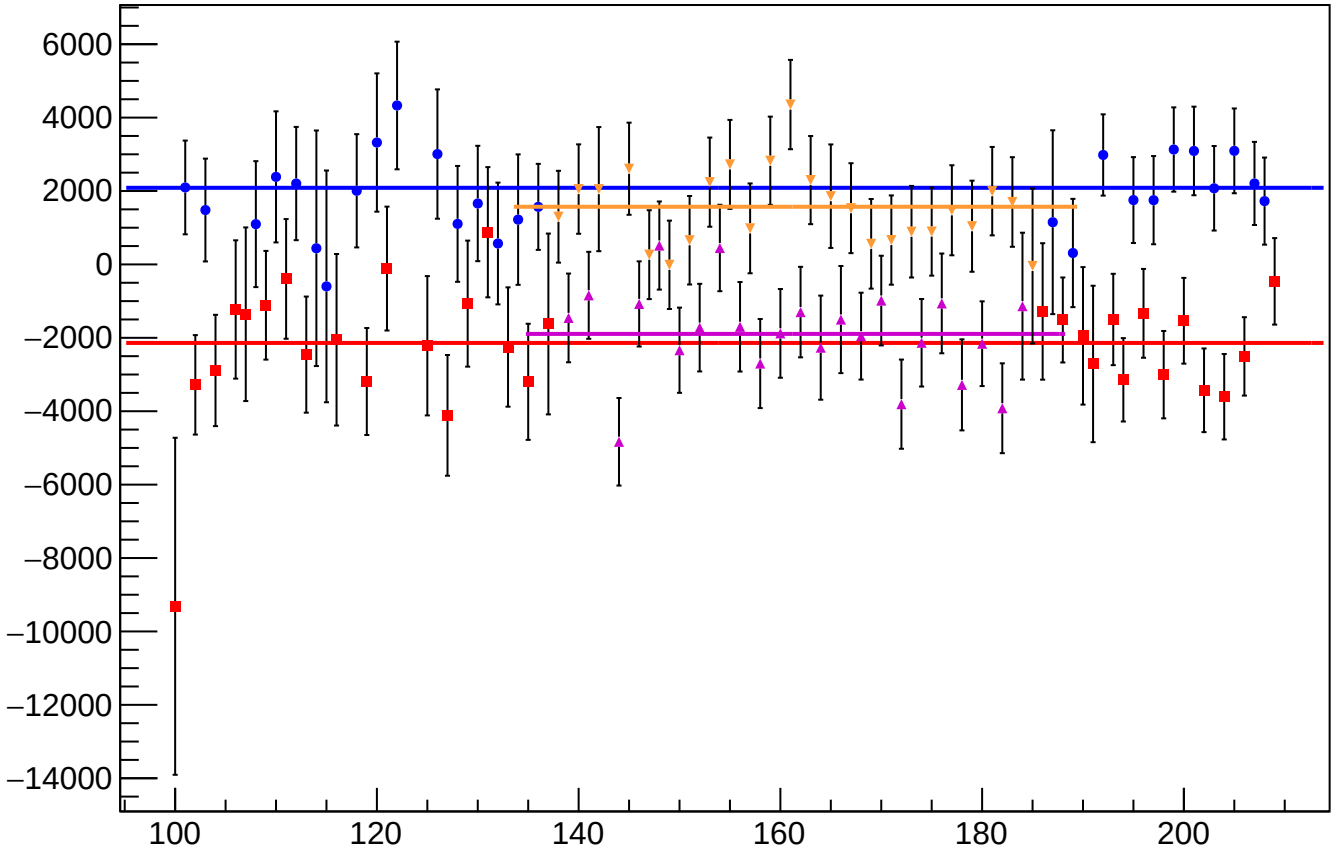
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.887+/-0.004 χ^2/NDF: 1566854.0/50

All: 27.791+/-0.002 χ^2/NDF: 3996412.7/103

- sign 27.697+/-0.003 χ^2/NDF: 2428090.9/52

reg_asym_usl_mean vs Slug



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: -2139.314+/-265.776 χ^2/NDF: 20.5/30

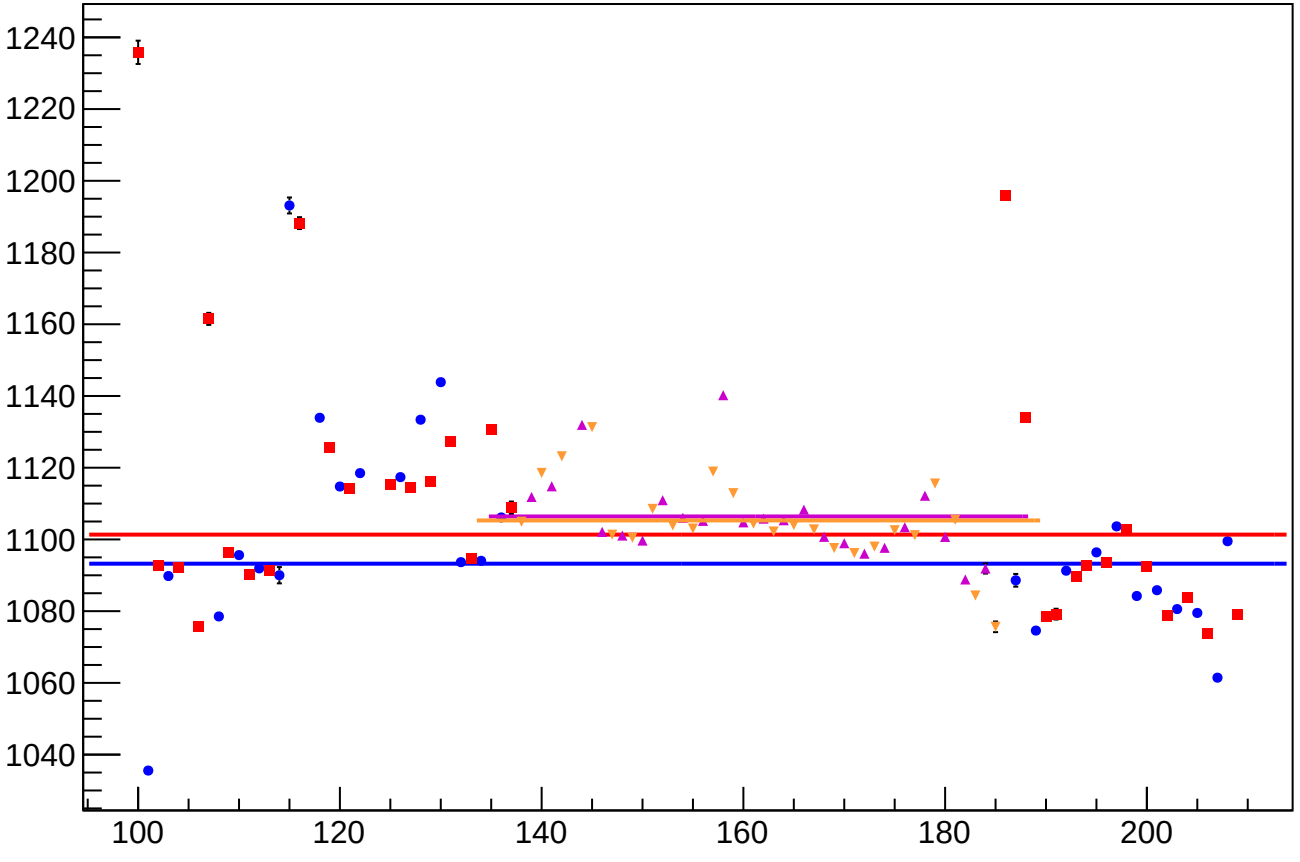
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1811.685+/-187.467 χ^2/NDF: 27.7/50

All: -123.365+/-131.767 χ^2/NDF: 283.3/104

- sign -2012.841+/-185.247 χ^2/NDF: 45.0/53

reg_asym_usl_rms vs Slug



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1101.344+/-0.188 χ^2/NDF: 19789.1/30

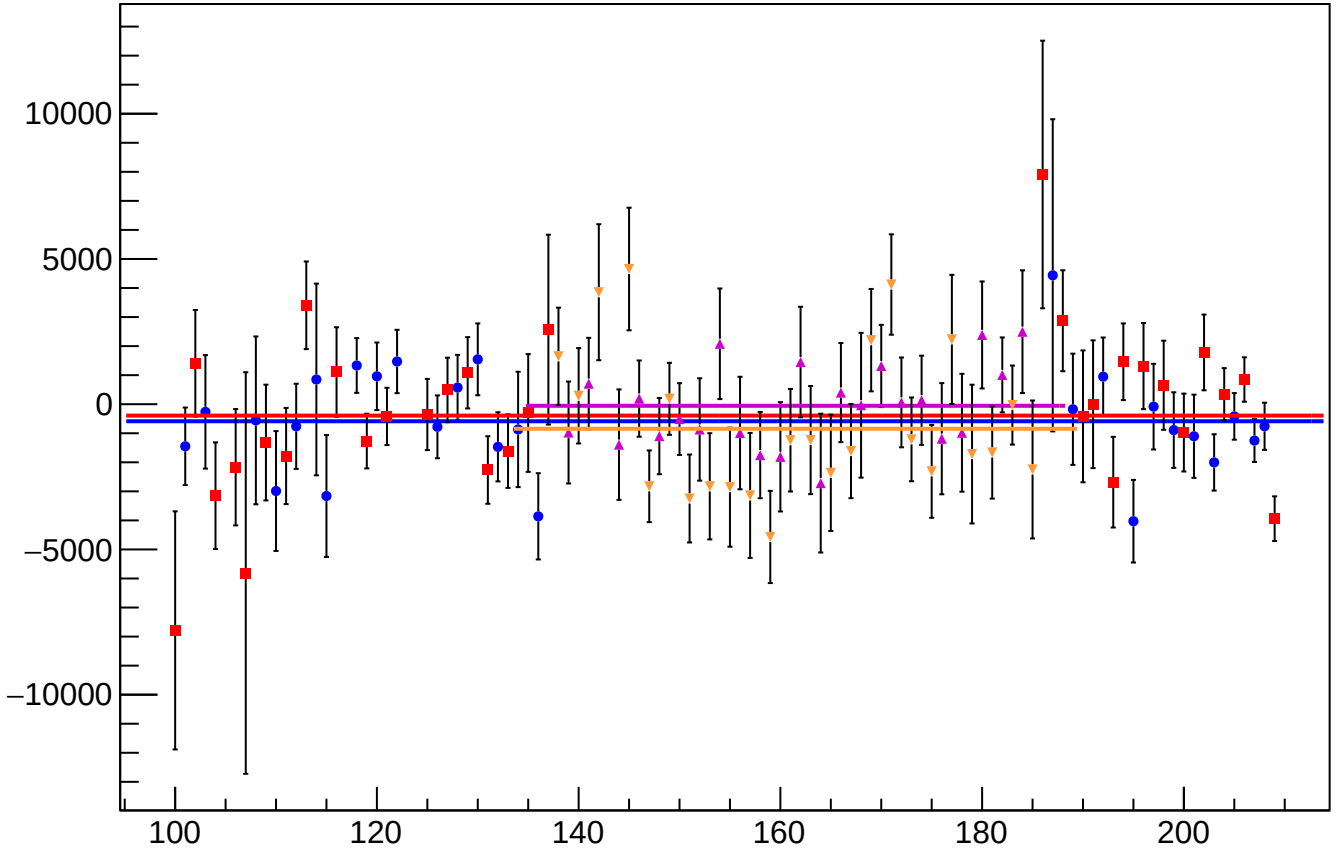
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.676+/-0.133 χ^2/NDF: 20381.2/50

All: 1101.836+/-0.093 χ^2/NDF: 44844.8/104

- sign 1103.946+/-0.131 χ^2/NDF: 23938.4/53

asym_usl_reg_correction_mean vs Slug



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: -392.300+/-243.761 χ^2/NDF: 63.7/30

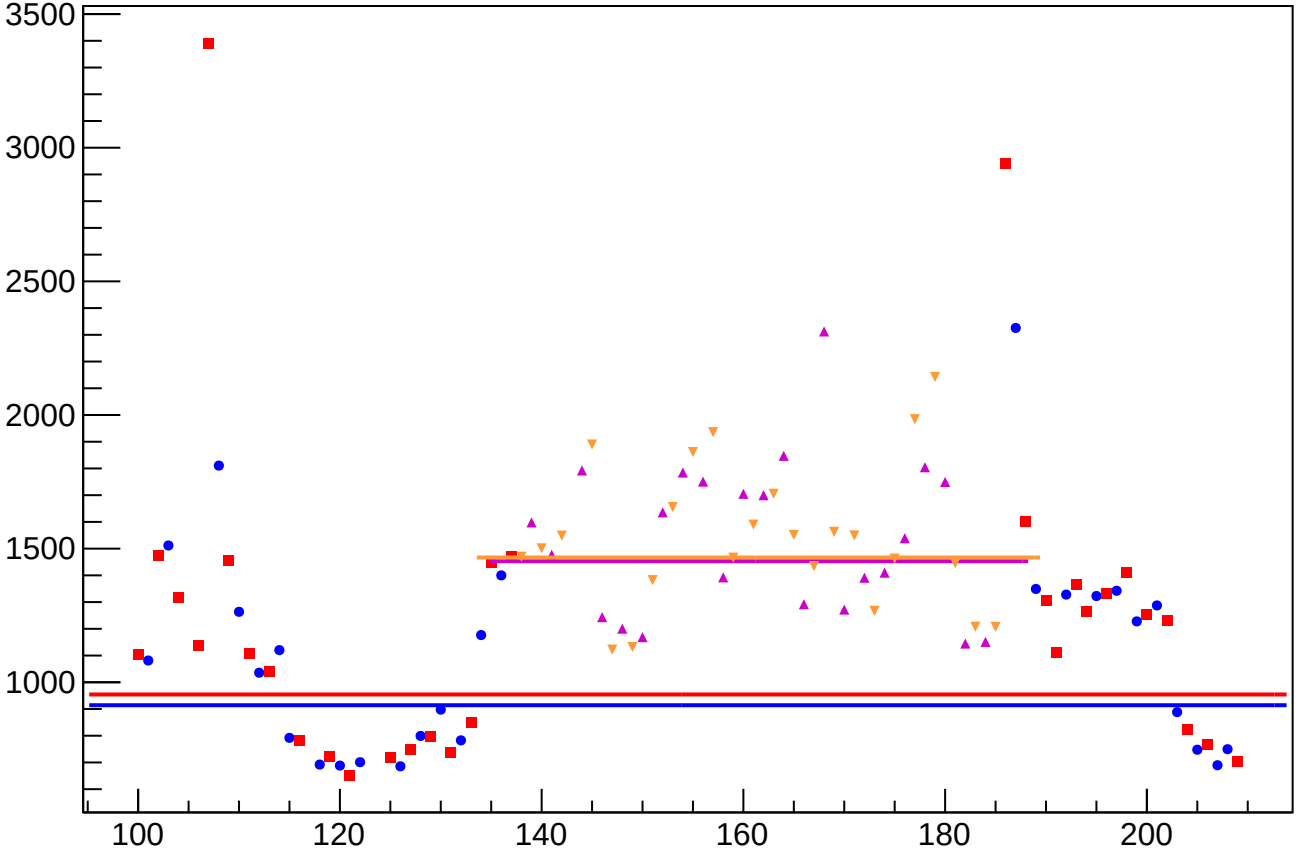
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -670.421+/-197.858 χ^2/NDF: 78.4/50

All: -476.687+/-140.402 χ^2/NDF: 157.8/104

- sign -280.185+/-199.266 χ^2/NDF: 77.4/53

asym_usl_reg_correction_rms vs Slug



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 954.405+/-0.172 χ^2/NDF: 3247519.0/30

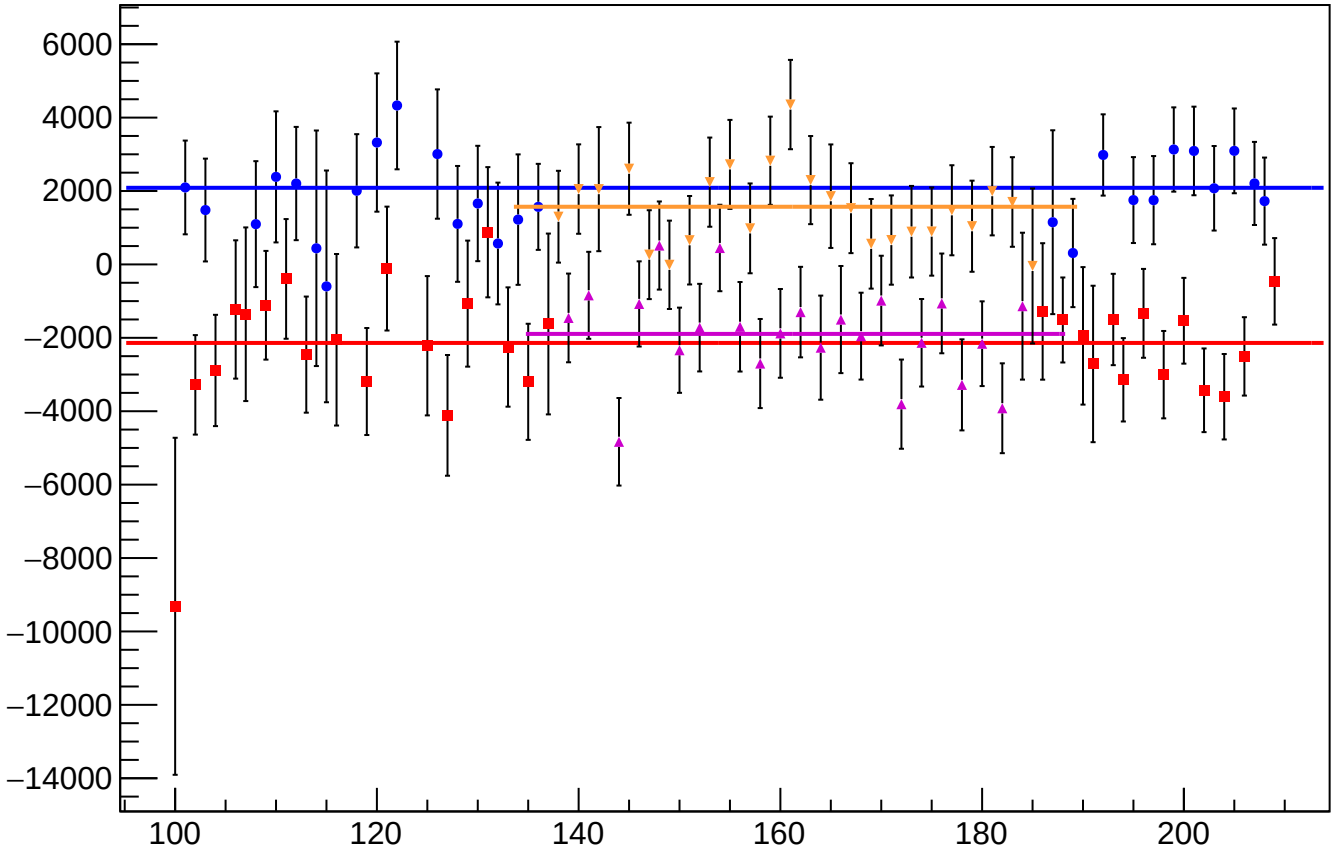
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1093.476+/-0.140 χ^2/NDF: 6979620.2/50

All: 1106.548+/-0.099 χ^2/NDF: 14150031.5/1

- sign 1119.808+/-0.141 χ^2/NDF: 7152825.6/53

cor_asym_usl_mean vs Slug



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: -2139.307+/-265.776 χ^2/NDF: 20.5/30

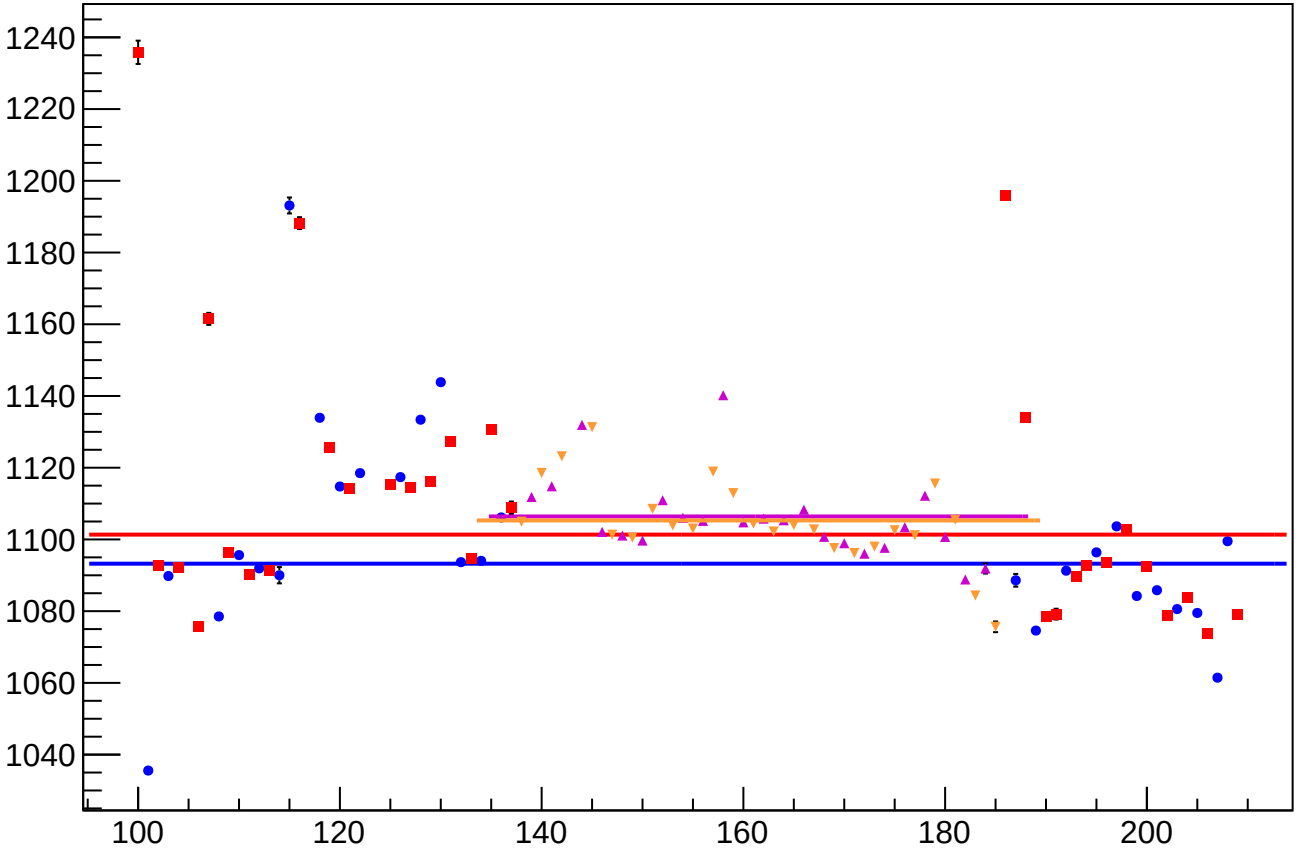
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1811.685+/-187.467 χ^2/NDF: 27.7/50

All: -123.363+/-131.767 χ^2/NDF: 283.3/104

- sign -2012.837+/-185.247 χ^2/NDF: 45.0/53

cor_asym_usl_rms vs Slug



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1101.344+/-0.188 χ^2/NDF: 19789.1/30

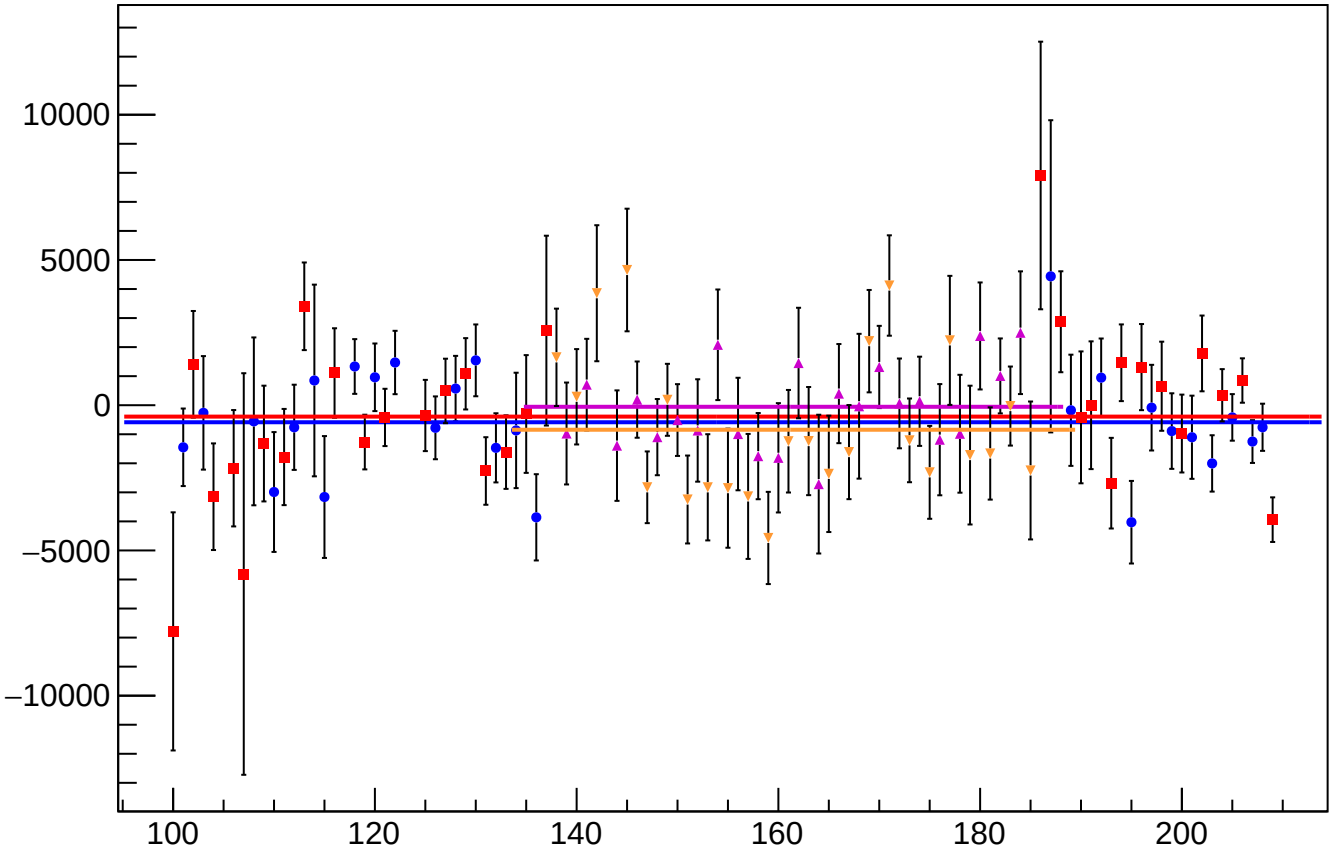
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.676+/-0.133 χ^2/NDF: 20381.2/50

All: 1101.836+/-0.093 χ^2/NDF: 44844.8/104

- sign 1103.946+/-0.131 χ^2/NDF: 23938.4/53

asym_usl_cor_correction_mean vs Slug



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: -392.300+/-243.761 χ^2/NDF: 63.7/30

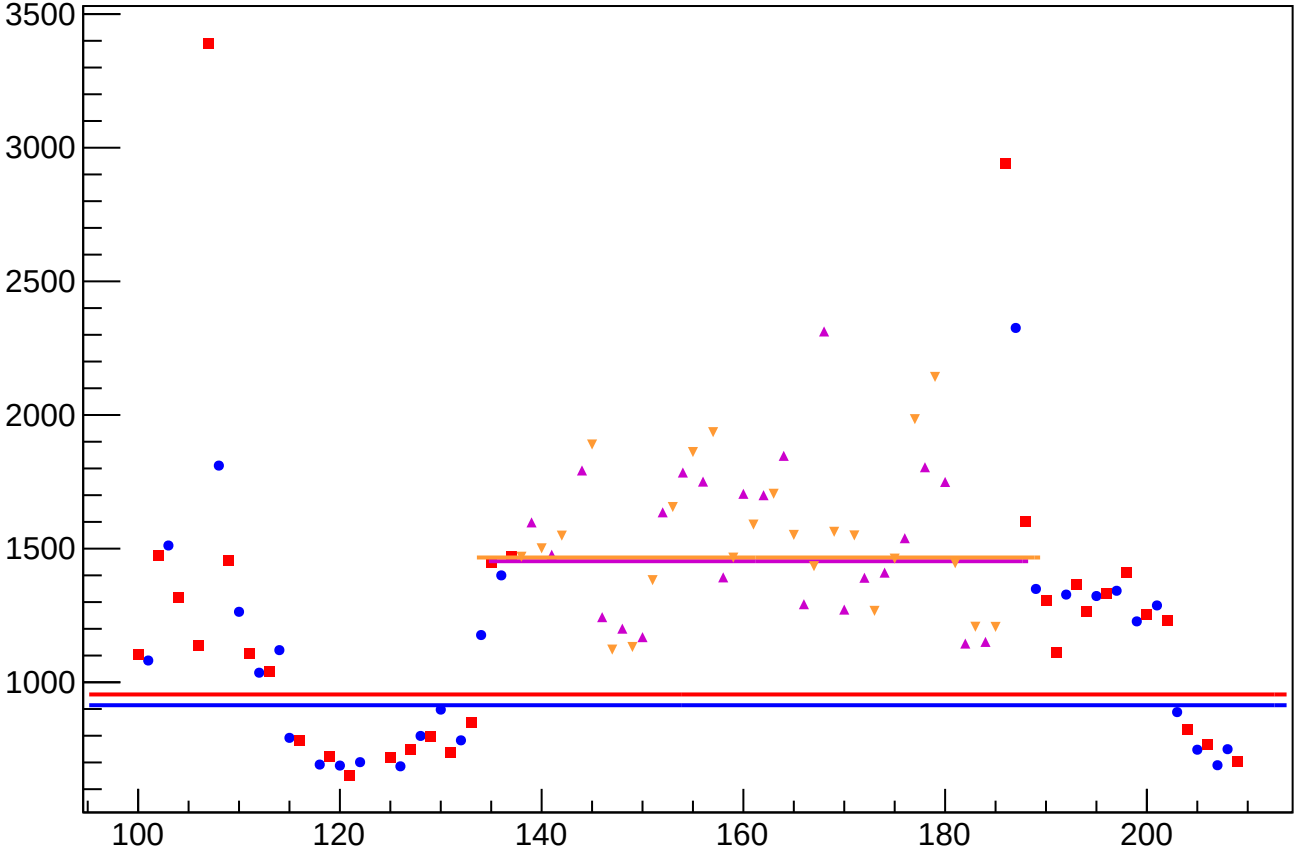
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -670.421+/-197.858 χ^2/NDF: 78.4/50

All: -476.687+/-140.402 χ^2/NDF: 157.8/104

- sign -280.184+/-199.266 χ^2/NDF: 77.4/53

asym_usl_cor_correction_rms vs Slug



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 954.405+/-0.172 χ^2/NDF: 3247517.6/30

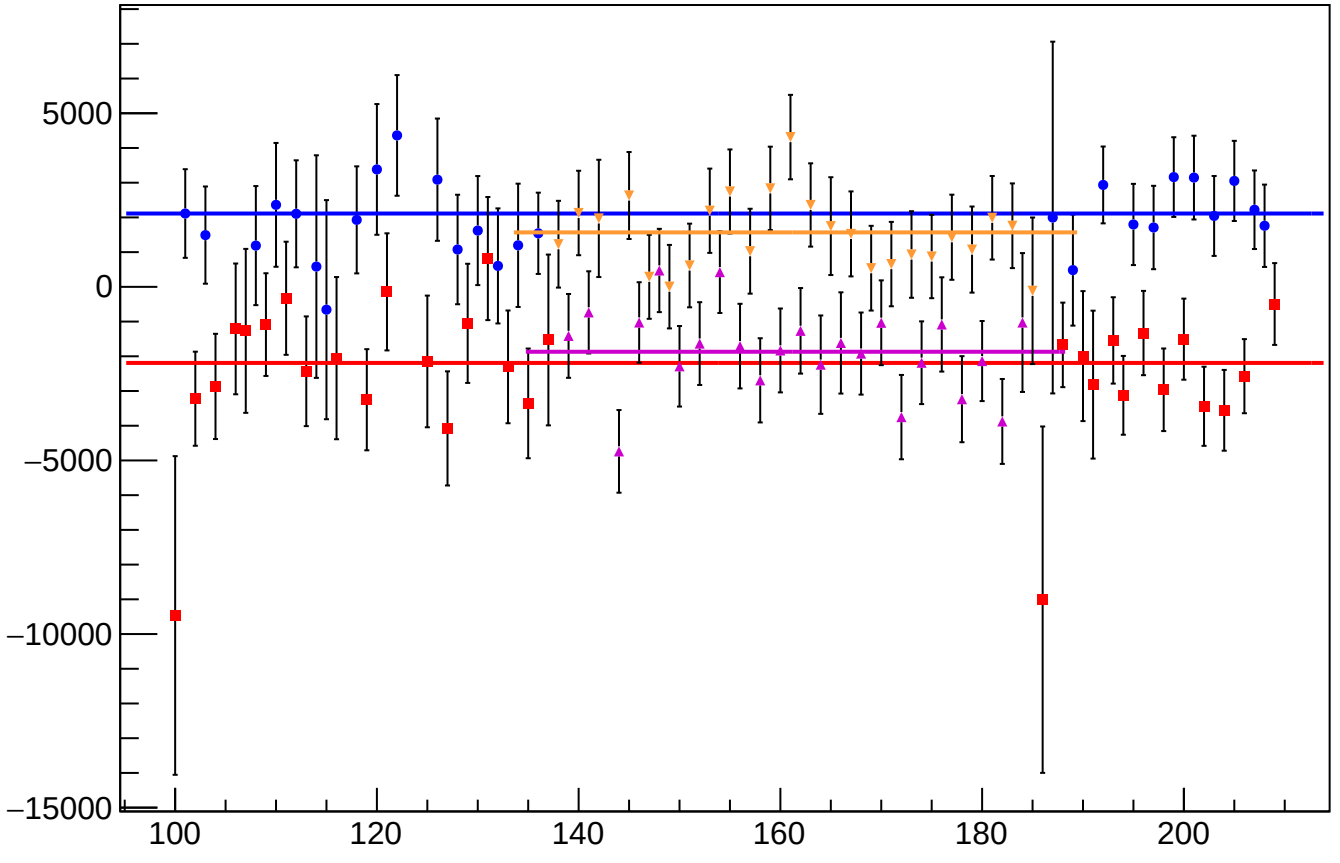
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1093.476+/-0.140 χ^2/NDF: 6979620.2/50

All: 1106.548+/-0.099 χ^2/NDF: 14150031.4/1

- sign 1119.808+/-0.141 χ^2/NDF: 7152825.7/53

overload_cor_asym_usl_mean vs Slug



Right In: 2112.210+/-276.417 χ^2/NDF: 9.9/26

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

Right Out: -2191.233+/-268.698 χ^2/NDF: 22.0/30

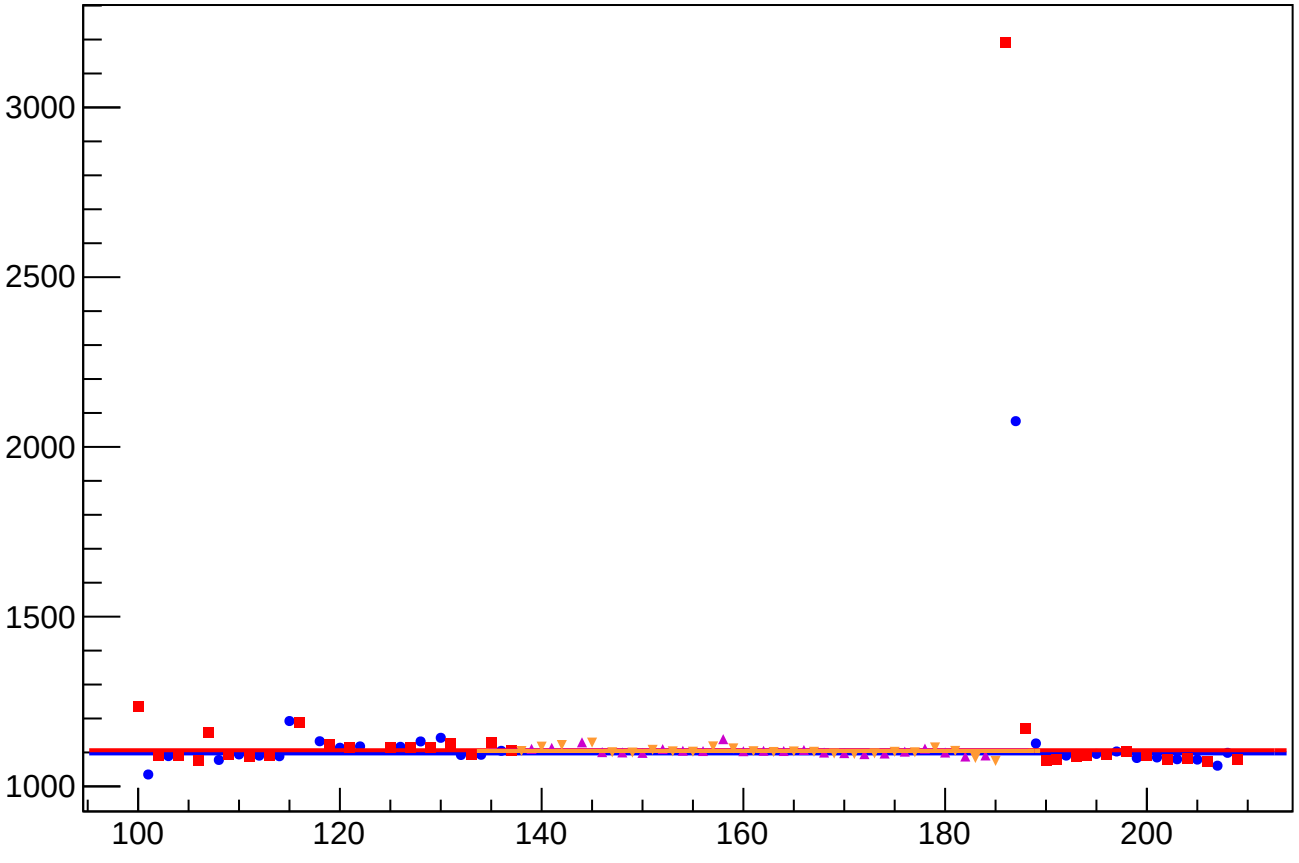
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1820.000+/-187.939 χ^2/NDF: 27.4/50

All: -120.414+/-132.252 χ^2/NDF: 284.7/104

- sign -2023.814+/-186.138 χ^2/NDF: 46.2/53

overload_cor_asym_usl_rms vs Slug



Right In: 1097.115+/-0.195 χ^2/NDF: 90421.2/26

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

Right Out: 1106.479+/-0.190 χ^2/NDF: 369639.4/30

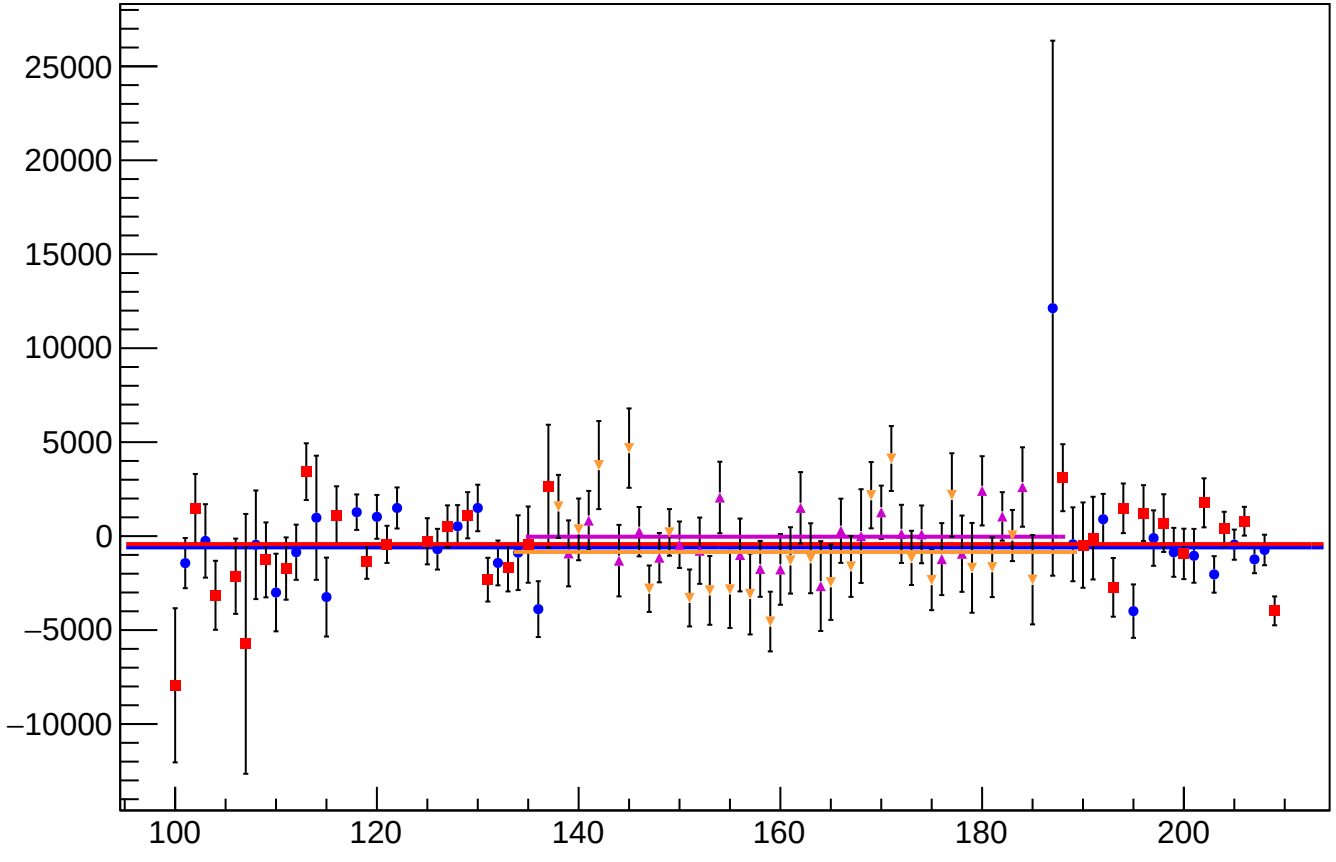
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1100.956+/-0.133 χ^2/NDF: 94138.6/50

All: 1103.456+/-0.094 χ^2/NDF: 468157.3/104

- sign 1105.908+/-0.132 χ^2/NDF: 373317.8/53

asym_usl_overload_cor_correction_mean vs Slug



Right In: -599.338+/-241.329 χ^2/NDF: 33.4/26

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

Right Out: -424.432+/-244.517 χ^2/NDF: 61.6/29

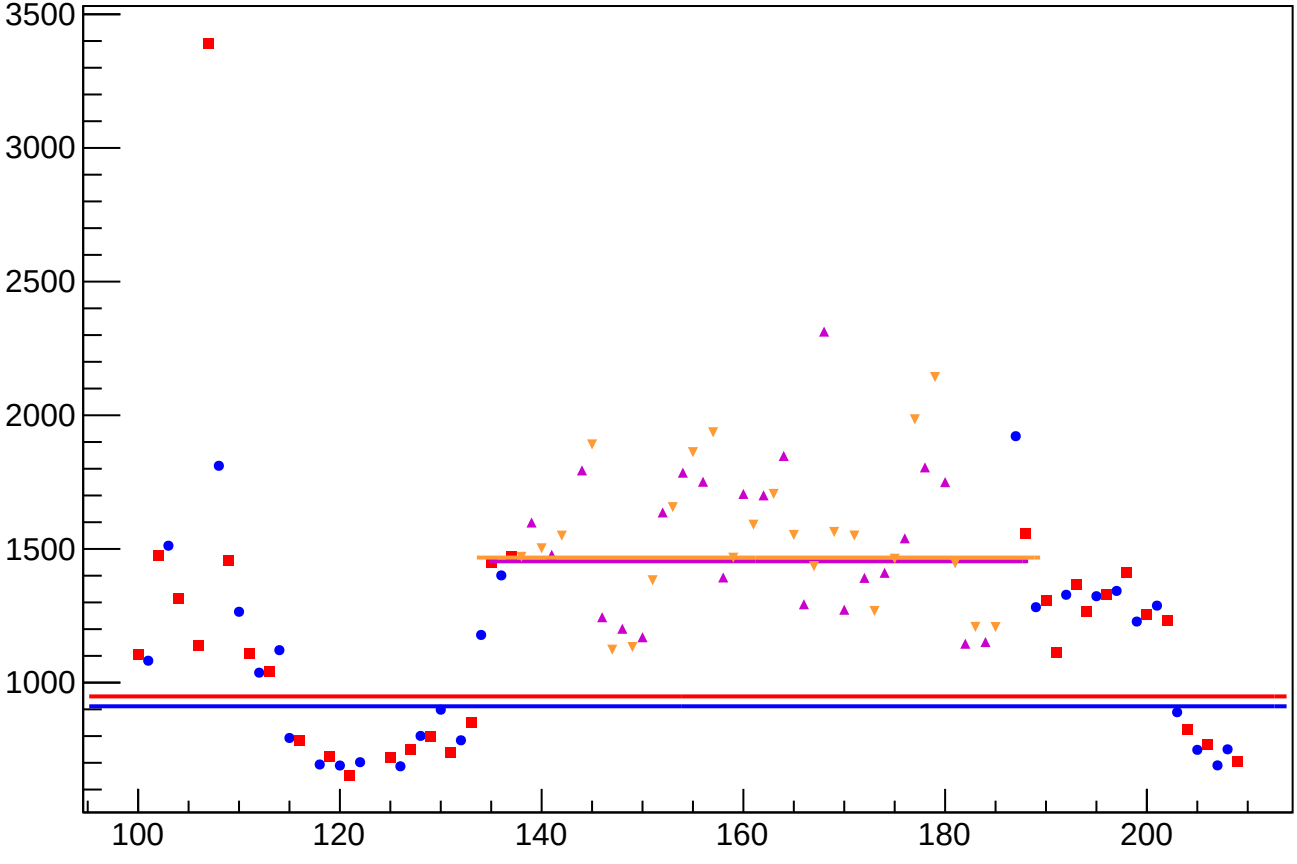
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -678.697+/-198.225 χ^2/NDF: 77.8/50

All: -487.590+/-140.690 χ^2/NDF: 155.2/103

- sign -293.597+/-199.716 χ^2/NDF: 75.5/52

asym_usl_overload_cor_correction_rms vs Slug



Right In: 911.434+/-0.171 χ^2/NDF: 2346271.5/26

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

Right Out: 948.430+/-0.173 χ^2/NDF: 2814854.8/29

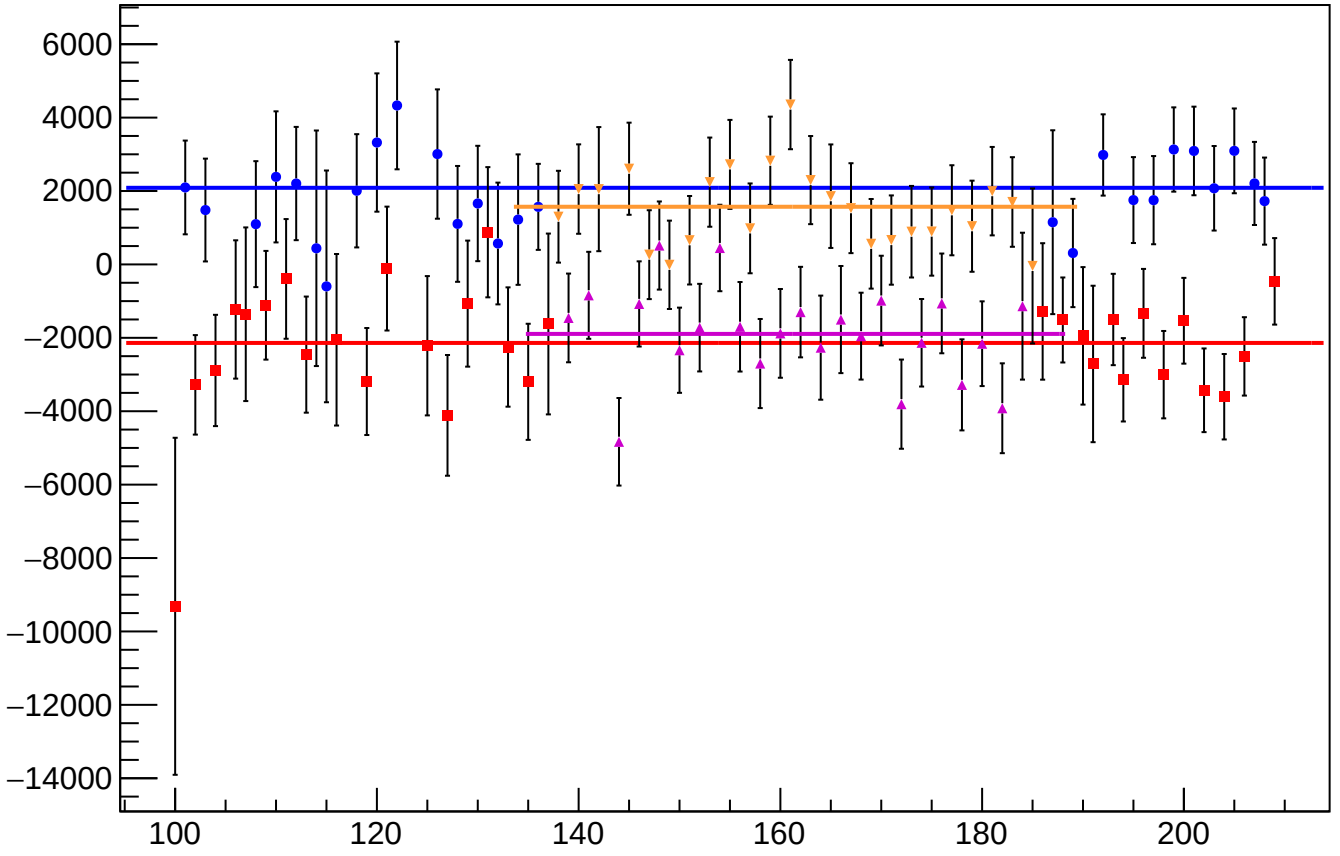
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1092.398+/-0.140 χ^2/NDF: 6845021.8/50

All: 1104.441+/-0.099 χ^2/NDF: 13647025.8/1

- sign 1116.667+/-0.141 χ^2/NDF: 6787126.6/52

eigen_cor_asym_usl_mean vs Slug



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

Right Out: -2139.307+/-265.776 χ^2/NDF: 20.5/30

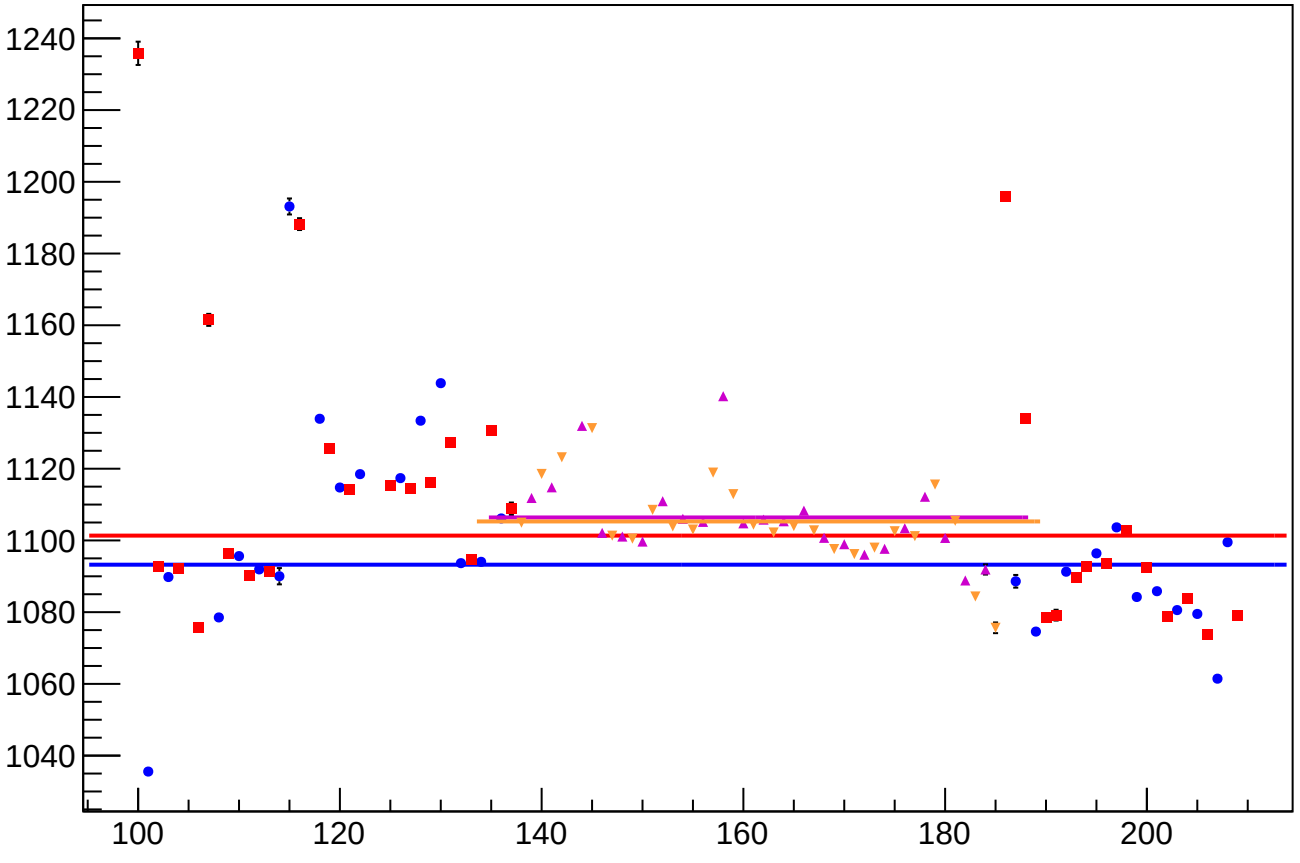
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1811.685+/-187.467 χ^2/NDF: 27.7/50

All: -123.363+/-131.767 χ^2/NDF: 283.3/104

- sign -2012.837+/-185.247 χ^2/NDF: 45.0/53

eigen_cor_asym_usl_rms vs Slug



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1101.344+/-0.188 χ^2/NDF: 19789.1/30

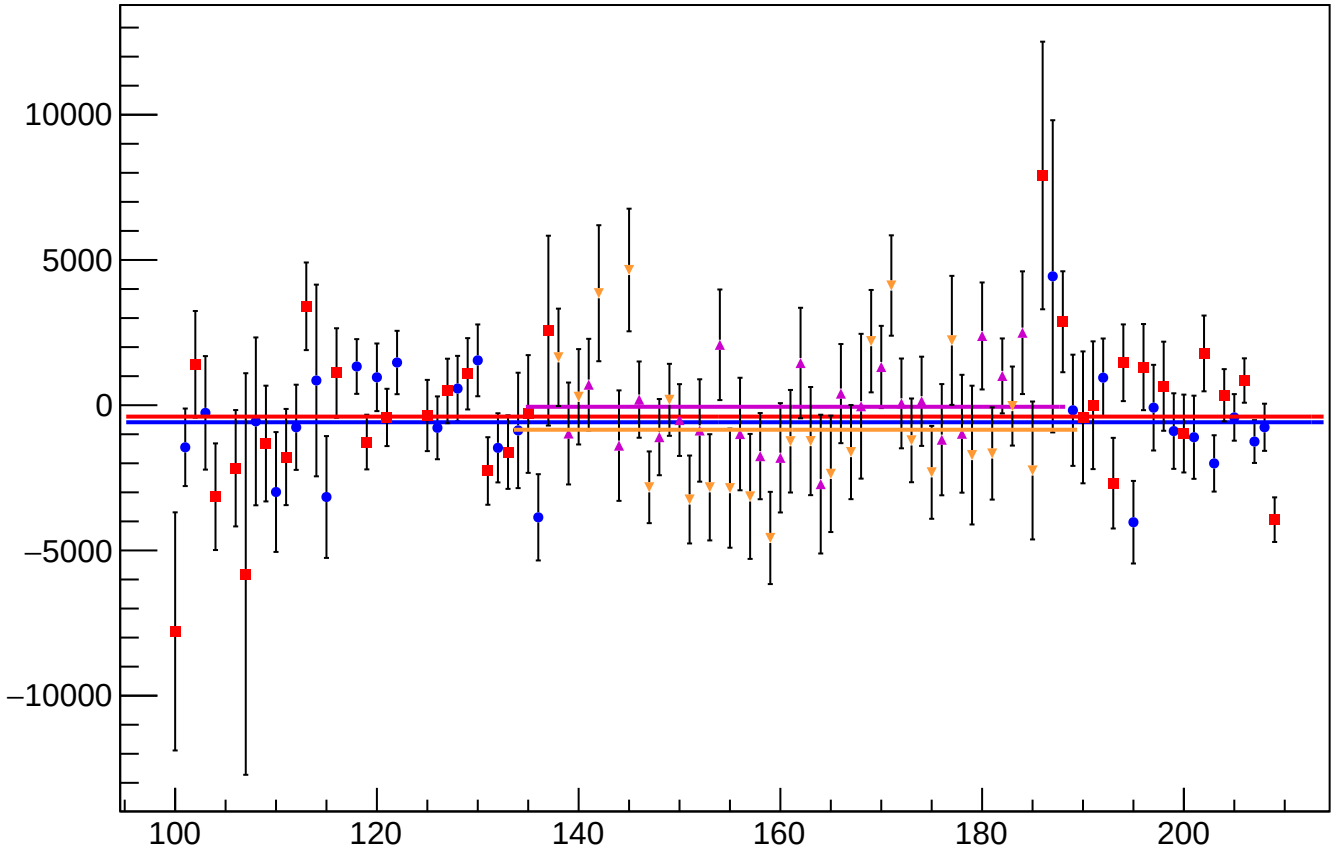
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1099.676+/-0.133 χ^2/NDF: 20381.2/50

All: 1101.836+/-0.093 χ^2/NDF: 44844.8/104

- sign 1103.946+/-0.131 χ^2/NDF: 23938.4/53

asym_usl_eigen_cor_correction_mean vs Slug



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

Right Out: -392.300+/-243.761 χ^2/NDF: 63.7/30

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

+ sign -670.421+/-197.858 χ^2/NDF: 78.4/50

All: -476.687+/-140.402 χ^2/NDF: 157.8/104

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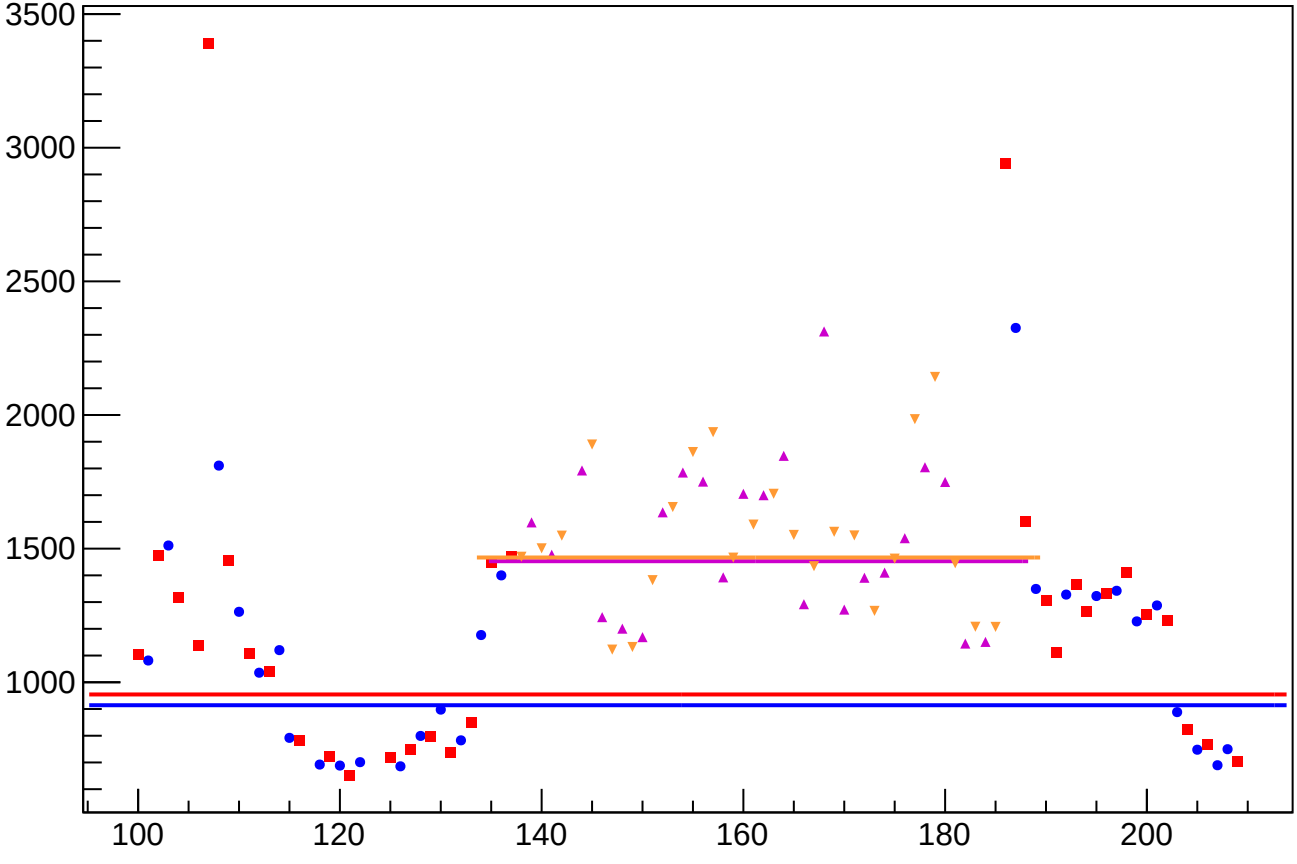
asym_usl_eigen_cor_correction_rms vs Slug



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Right Out: 954.405+/-0.172 χ^2/NDF: 3247517.6/30

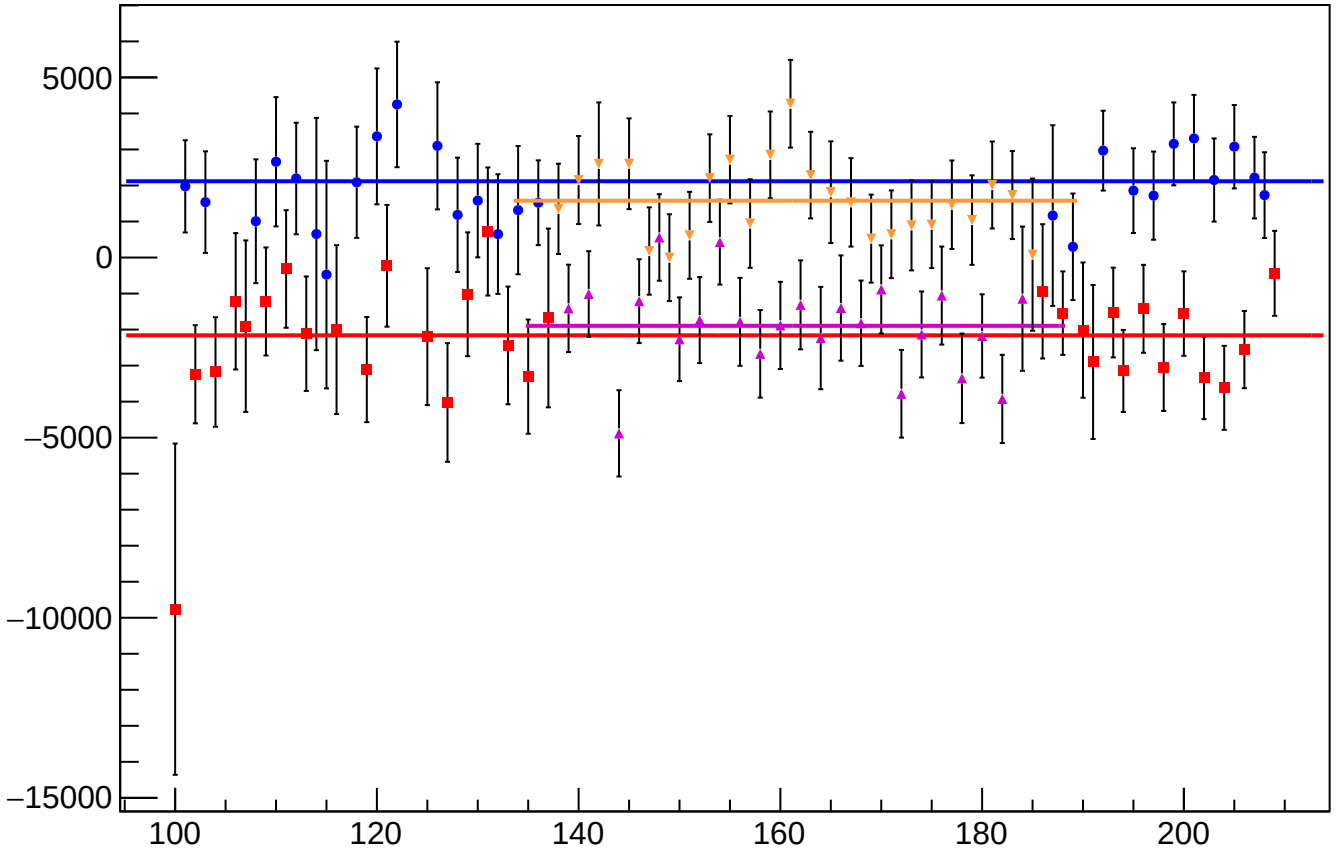
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1093.476+/-0.140 χ^2/NDF: 6979620.2/50

All: 1106.548+/-0.099 χ^2/NDF: 14150031.4/1

- sign 1119.808+/-0.141 χ^2/NDF: 7152825.7/53

dit_asym_usl_mean vs Slug



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

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

Right Out: -2159.545+/-266.760 χ^2/NDF: 20.3/30

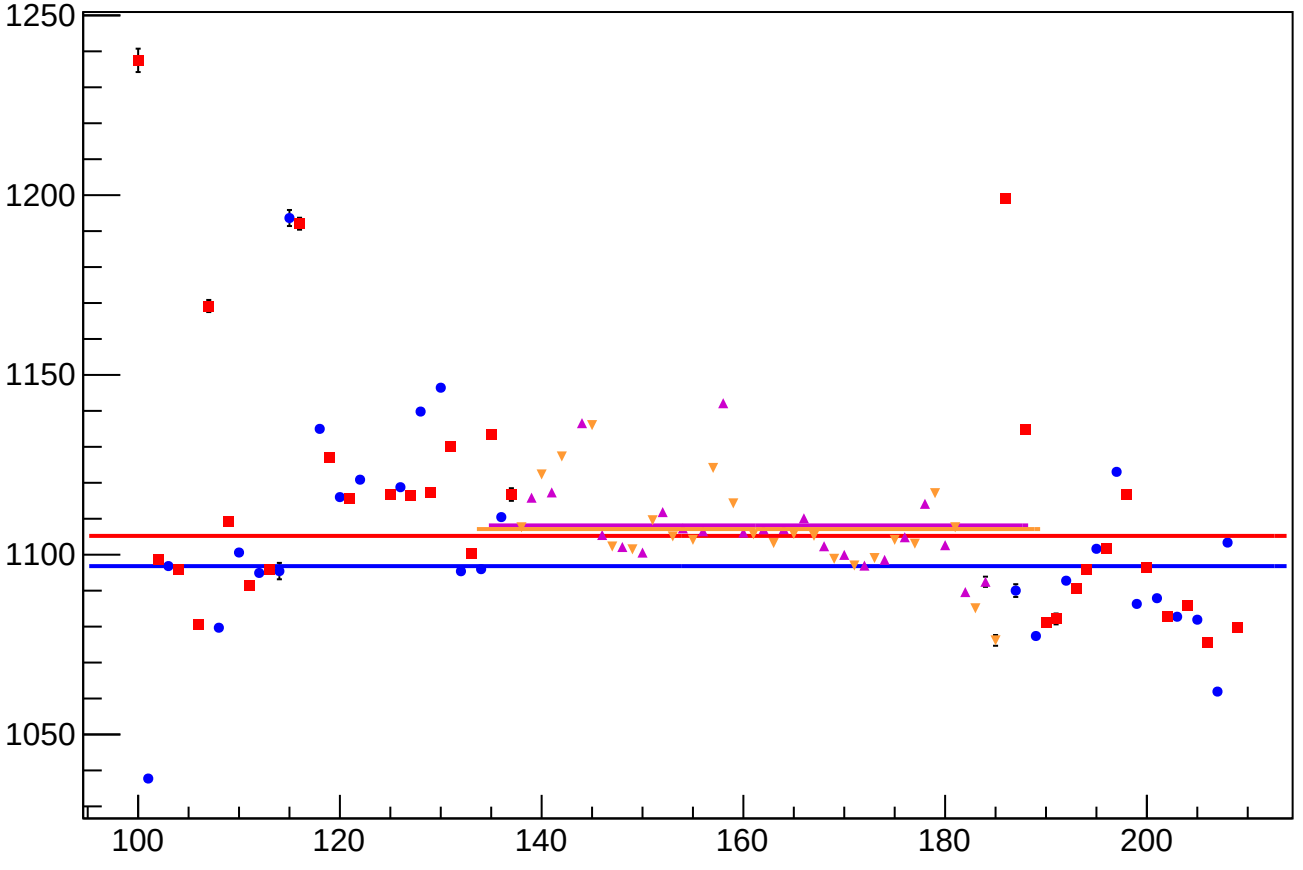
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1828.680+/-187.943 χ^2/NDF: 28.1/50

All: -120.221+/-132.107 χ^2/NDF: 285.6/104

- sign -2023.524+/-185.731 χ^2/NDF: 44.9/53

dit_asym_usl_rms vs Slug



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

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

Right Out: 1105.229+/-0.189 χ^2/NDF: 19855.2/30

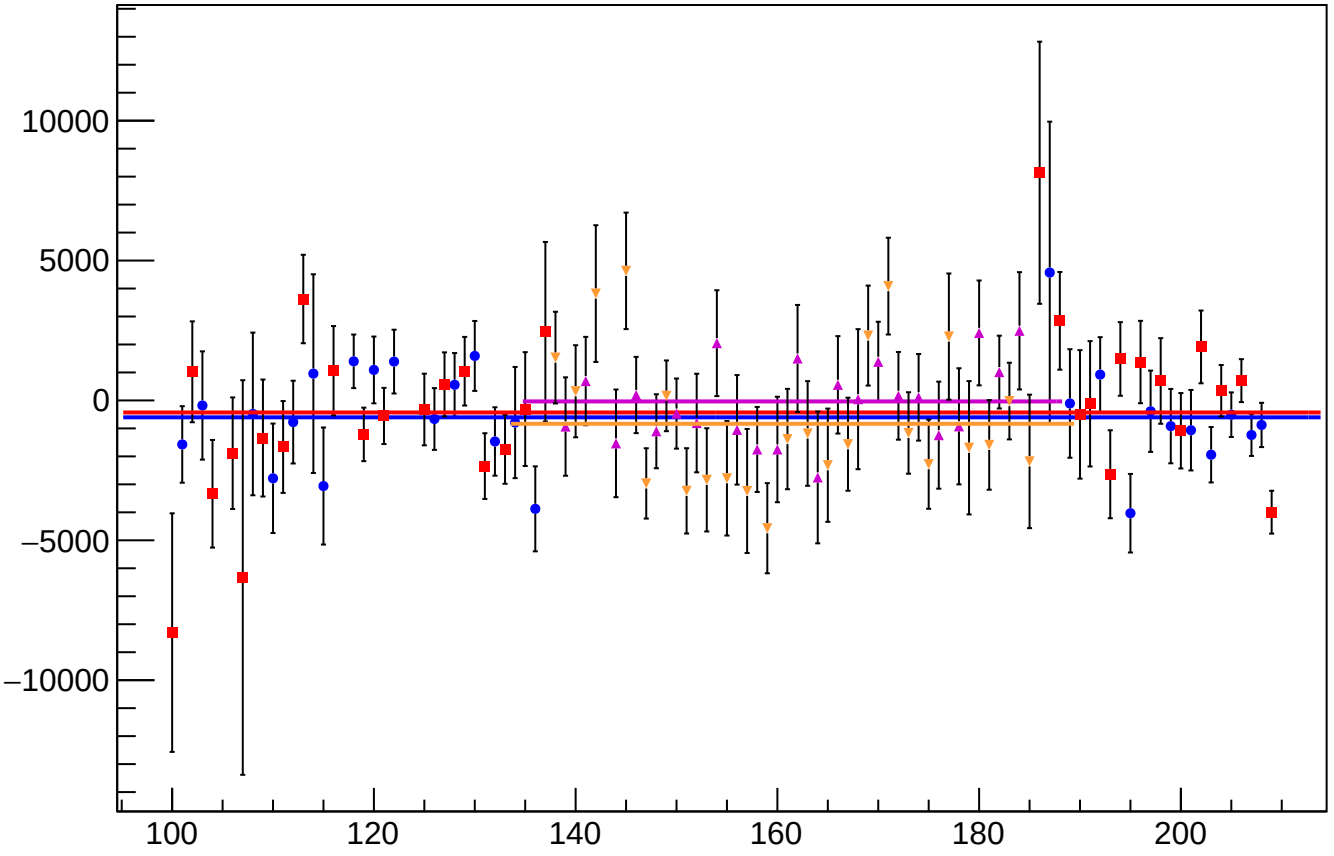
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1102.333+/-0.133 χ^2/NDF: 21676.2/50

All: 1104.558+/-0.093 χ^2/NDF: 46399.3/104

- sign 1106.732+/-0.131 χ^2/NDF: 24168.9/53

asym_usl_dit_correction_mean vs Slug



Right In: -604.254+/-242.773 χ^2/NDF: 33.2/26

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

Right Out: -430.410+/-246.174 χ^2/NDF: 64.4/30

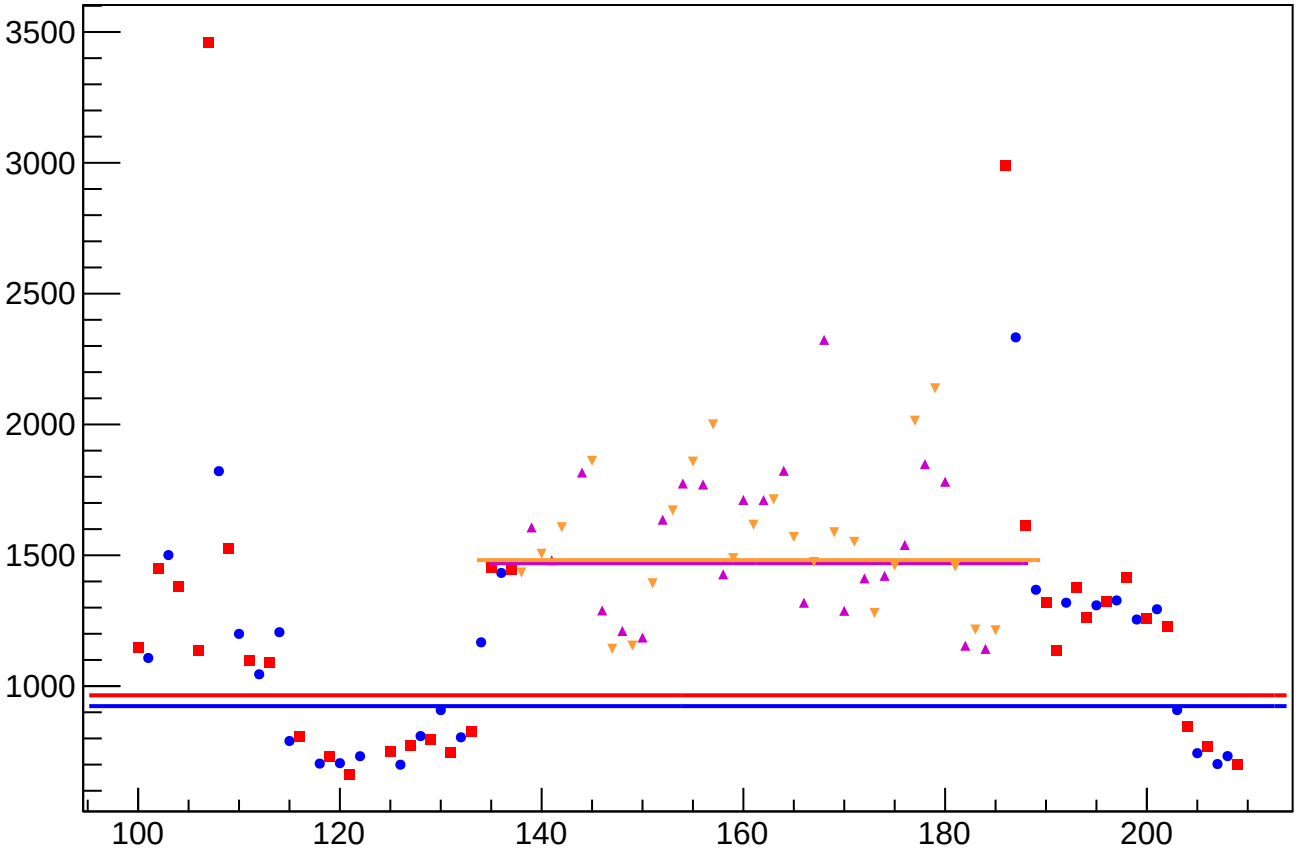
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -679.125+/-199.596 χ^2/NDF: 77.1/50

All: -490.928+/-141.729 χ^2/NDF: 157.2/104

- sign -299.529+/-201.286 χ^2/NDF: 78.4/53

asym_usl_dit_correction_rms vs Slug



Right In: 923.514+/-0.172 χ^2/NDF: 2455559.2/26

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

Right Out: 964.814+/-0.174 χ^2/NDF: 3219204.9/30

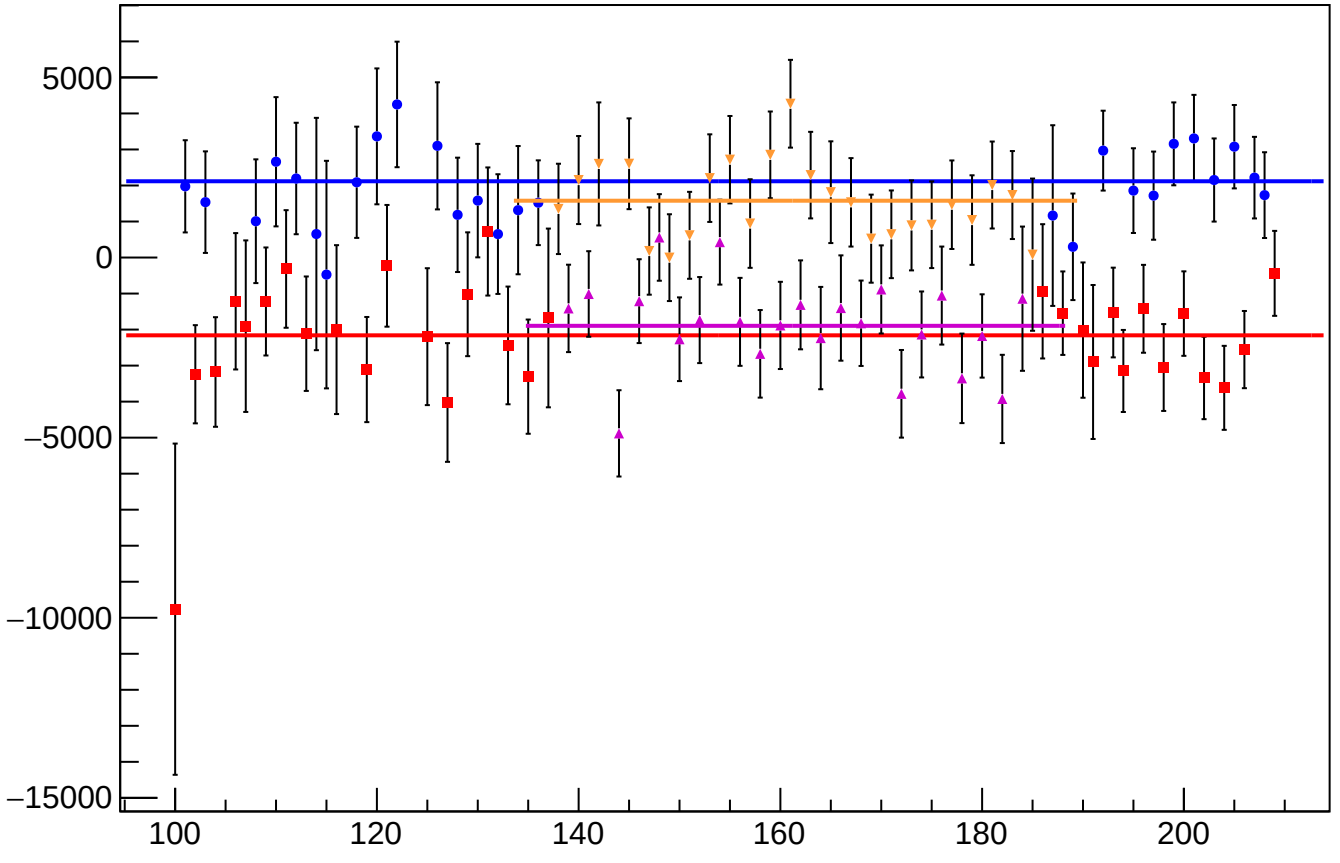
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1104.355+/-0.141 χ^2/NDF: 6897424.3/50

All: 1118.169+/-0.100 χ^2/NDF: 14021529.9/1

- sign 1132.219+/-0.142 χ^2/NDF: 7104781.2/53

eigen_dit_asym_usl_mean vs Slug



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

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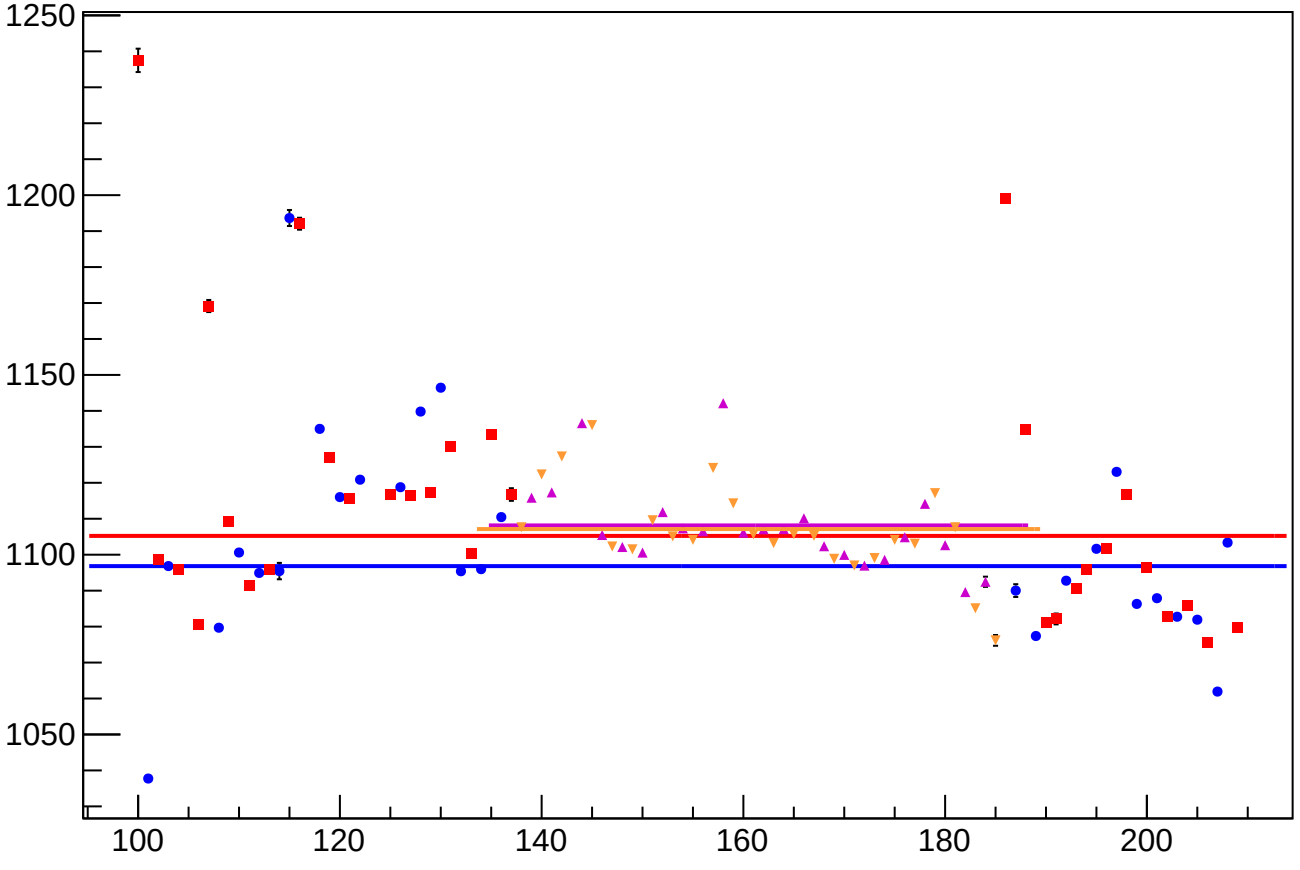
eigen_dit_asym_usl_rms vs Slug



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

Right Out: 1105.229+/-0.189 χ^2/NDF: 19855.1/30

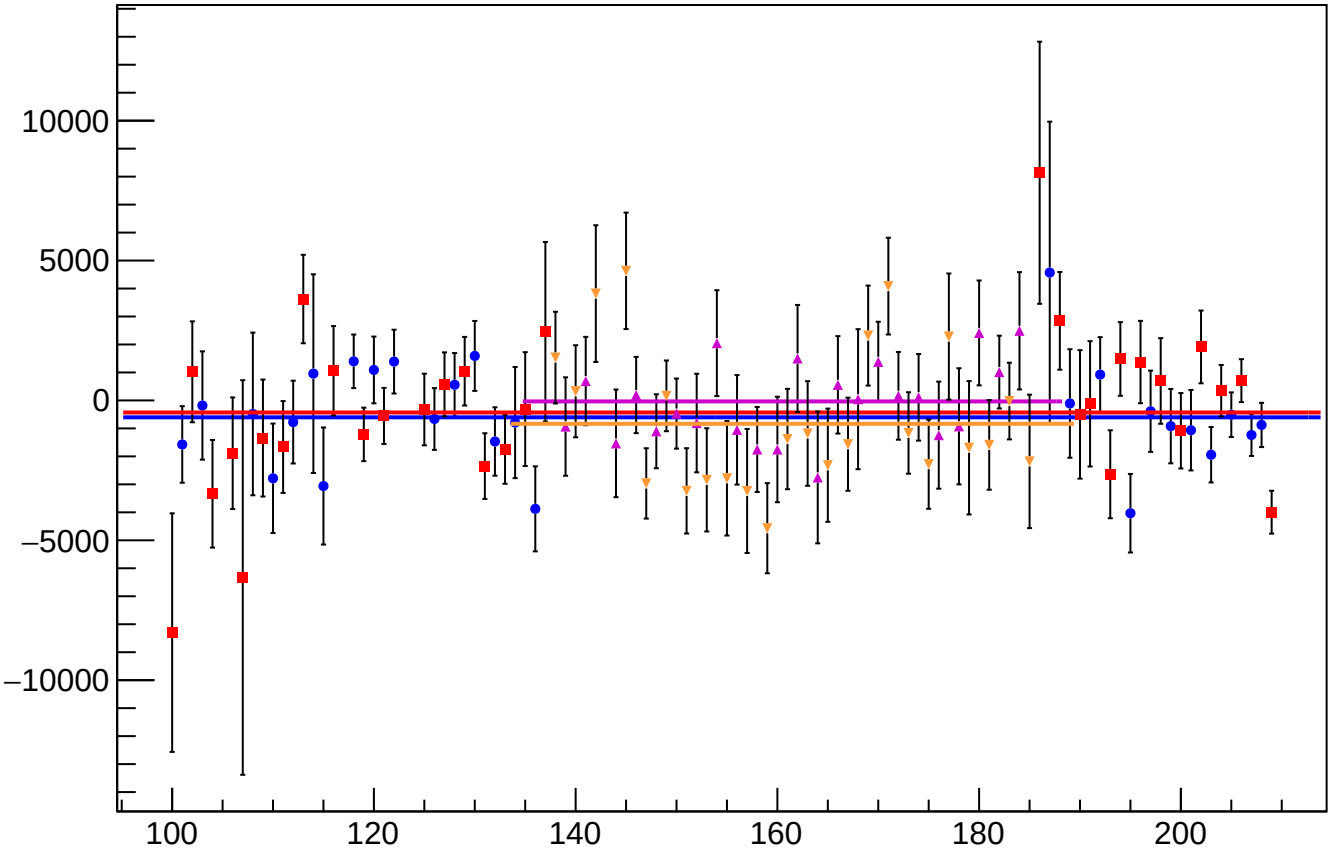
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1102.333+/-0.133 χ^2/NDF: 21676.2/50

All: 1104.558+/-0.093 χ^2/NDF: 46399.3/104

- sign 1106.732+/-0.131 χ^2/NDF: 24168.8/53

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -604.252+/-242.773 χ^2/NDF: 33.2/26

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

Right Out: -430.409+/-246.174 χ^2/NDF: 64.4/30

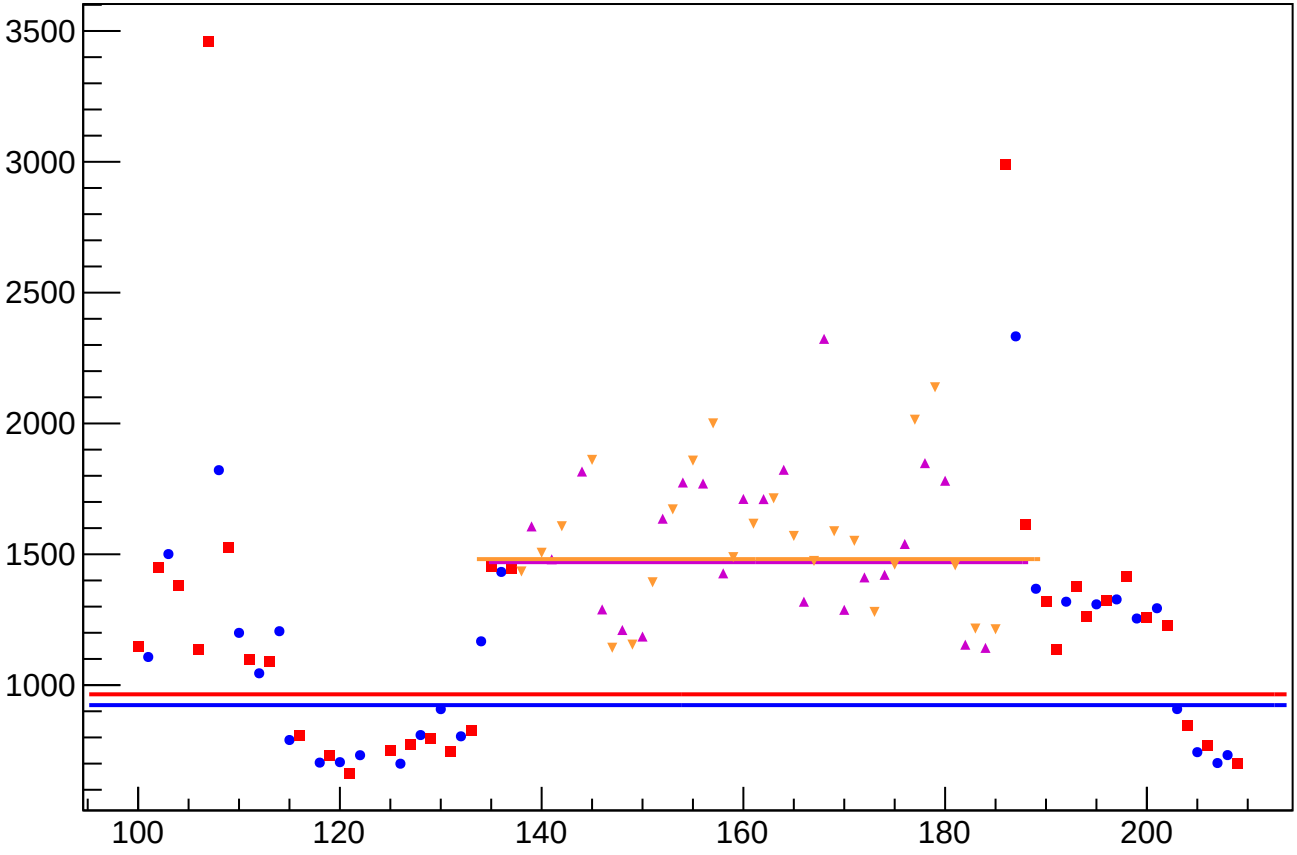
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -679.125+/-199.595 χ^2/NDF: 77.1/50

All: -490.928+/-141.729 χ^2/NDF: 157.2/104

- sign -299.528+/-201.286 χ^2/NDF: 78.4/53

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 923.513+/-0.172 χ^2/NDF: 2455561.9/26

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

Right Out: 964.813+/-0.174 χ^2/NDF: 3219209.5/30

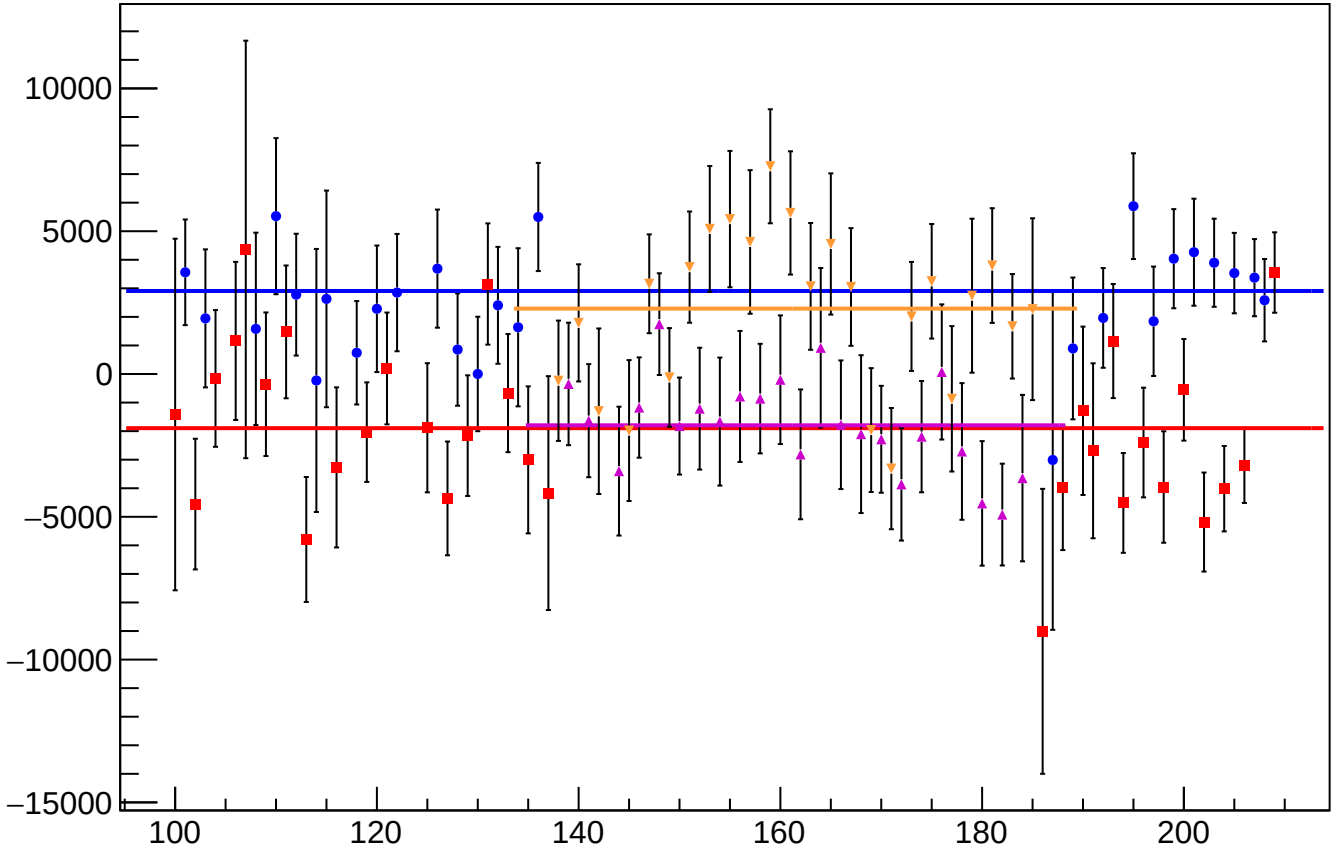
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1104.355+/-0.141 χ^2/NDF: 6897447.0/50

All: 1118.169+/-0.100 χ^2/NDF: 14021577.7/1

- sign 1132.218+/-0.142 χ^2/NDF: 7104806.5/53

asym_usl_mean vs Slug



Right In: 2907.331+/-383.177 χ^2/NDF: 15.4/26

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

Right Out: -1896.125+/-380.366 χ^2/NDF: 49.9/30

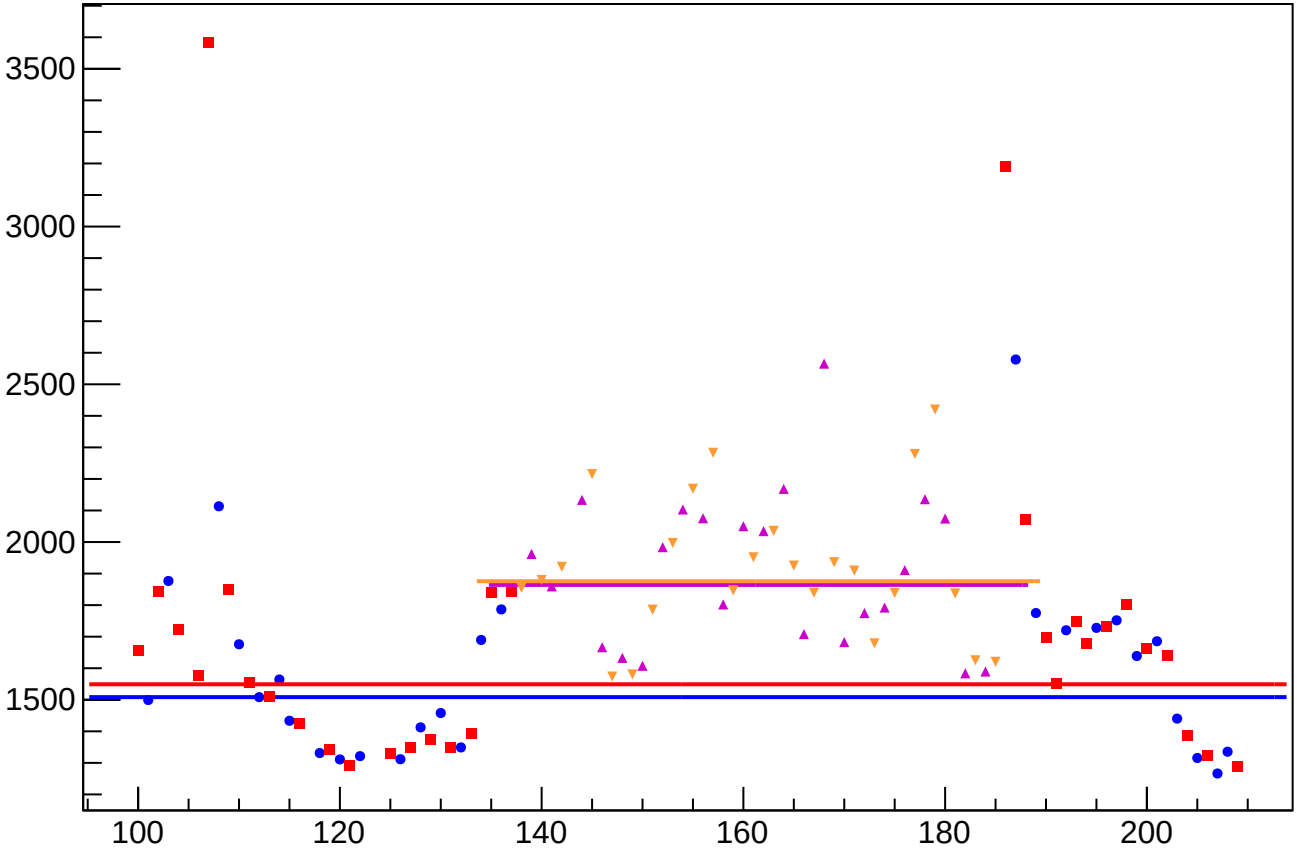
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2640.485+/-288.772 χ^2/NDF: 52.5/50

All: 383.737+/-203.745 χ^2/NDF: 238.3/104

- sign -1853.339+/-287.511 χ^2/NDF: 64.2/53

asym_usl_rms vs Slug



Right In: 1508.375+/-0.271 χ^2/NDF: 600548.3/26

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

Right Out: 1549.110+/-0.269 χ^2/NDF: 996236.7/30

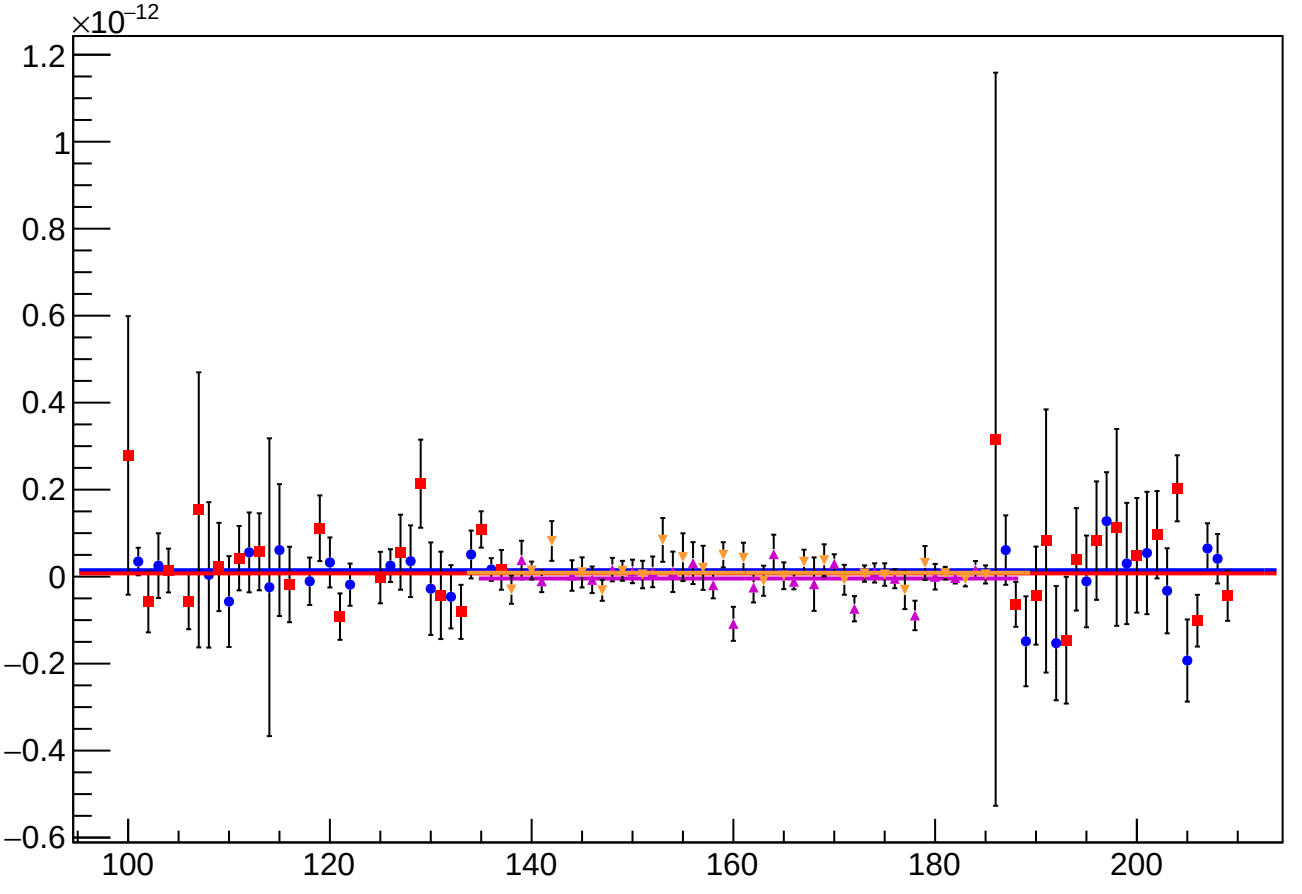
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1667.129+/-0.204 χ^2/NDF: 1867694.6/50

All: 1675.679+/-0.144 χ^2/NDF: 3966177.1/10

- sign 1684.155+/-0.203 χ^2/NDF: 2094990.8/53

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/30

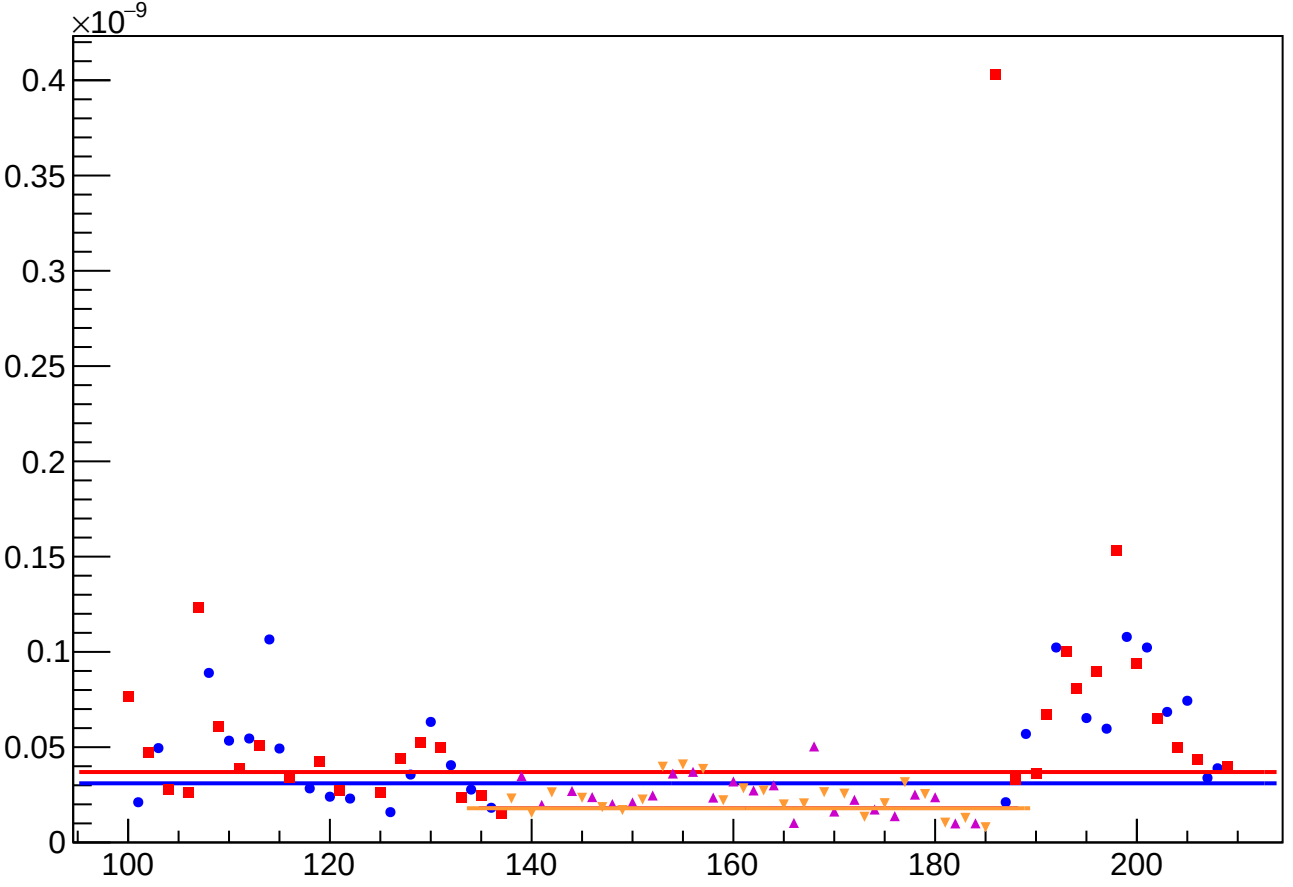
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.8/50

All: 0.000+/-0.000 χ^2/NDF: 100.9/104

- sign -0.000+/-0.000 χ^2/NDF: 65.9/53

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4999723.3/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3980298.1/30

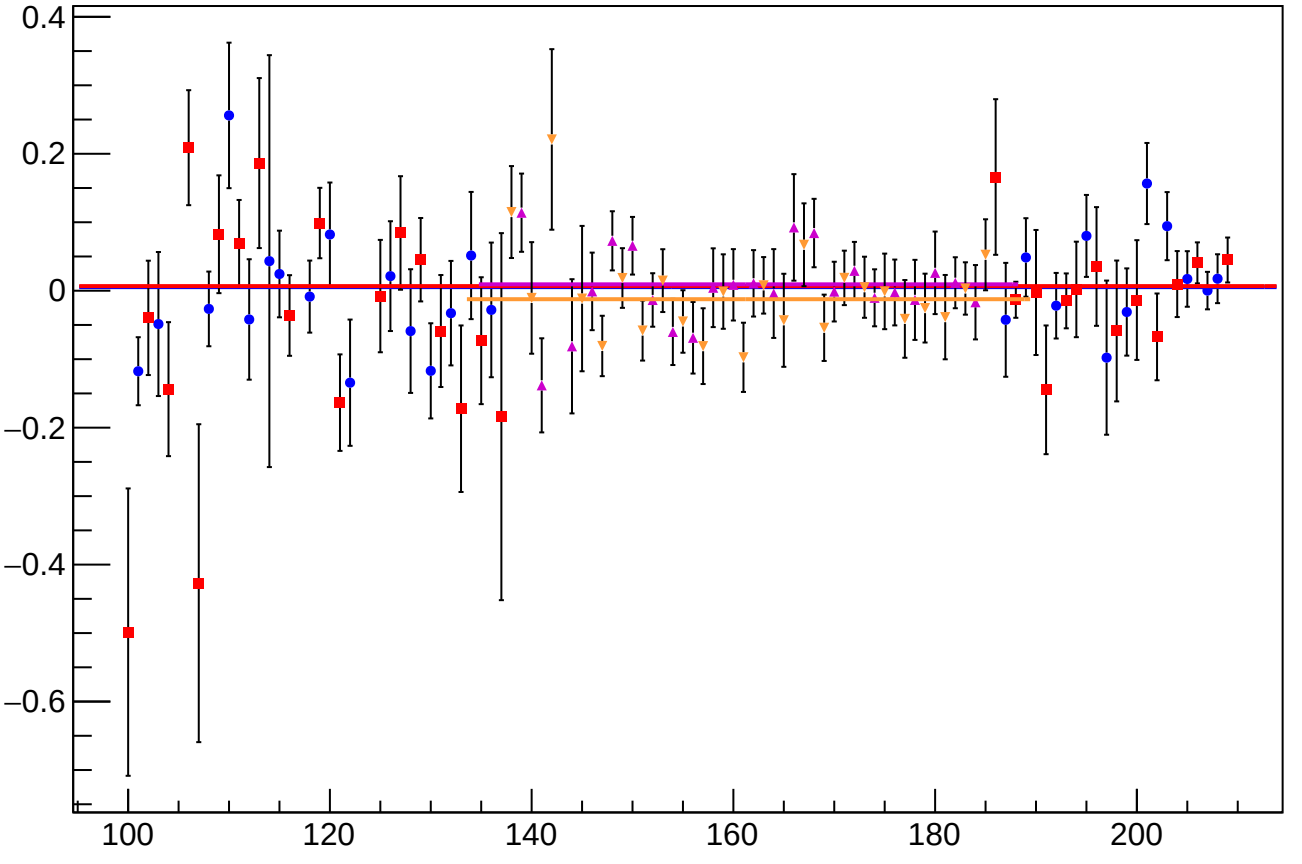
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10442773.7/50

All: 0.000+/-0.000 χ^2/NDF: 21946491.9/104

- sign 0.000+/-0.000 χ^2/NDF: 11491877.7/53

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

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

Right Out: 0.007+/-0.011 χ^2/NDF: 46.6/30

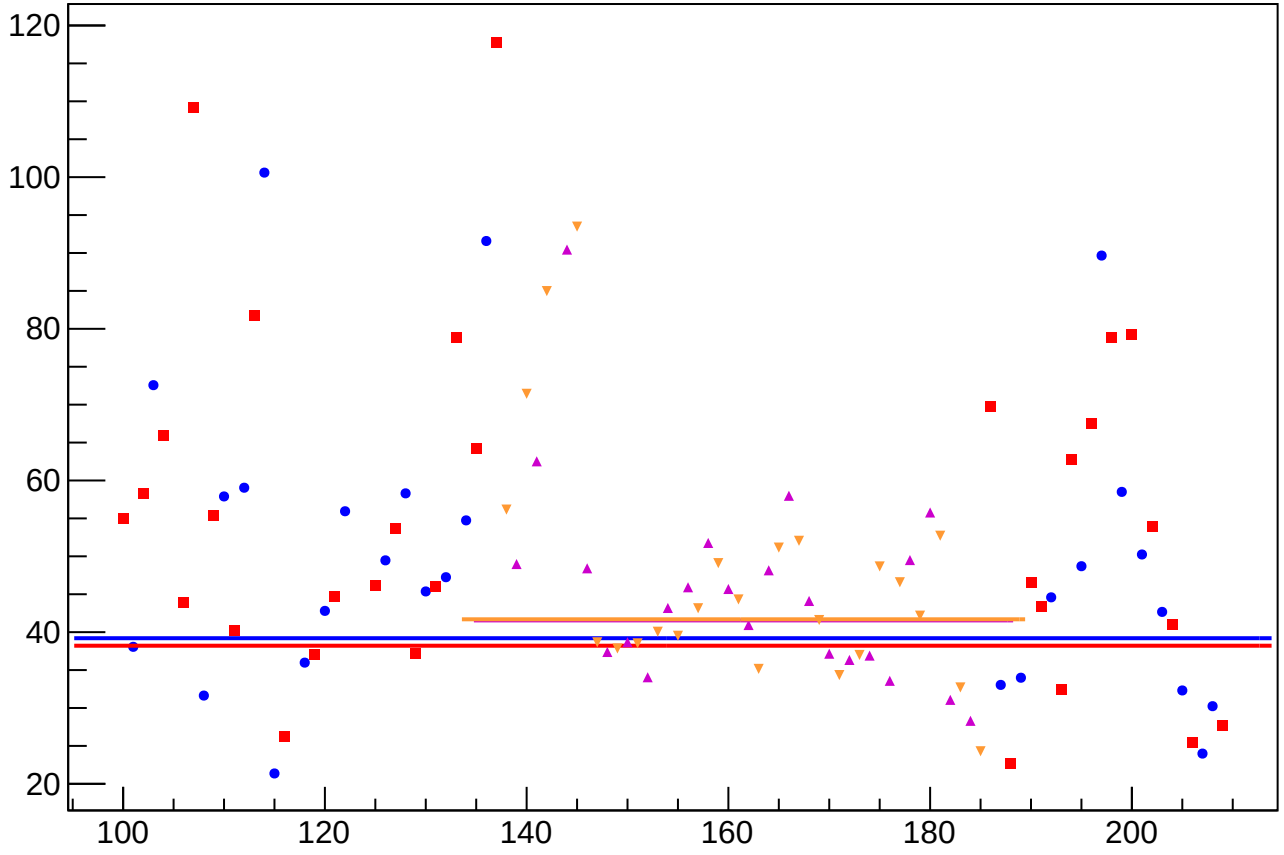
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.5/50

All: 0.002+/-0.005 χ^2/NDF: 127.3/104

- sign 0.008+/-0.008 χ^2/NDF: 68.5/53

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.212+/-0.008 χ^2/NDF: 4412684.8/30

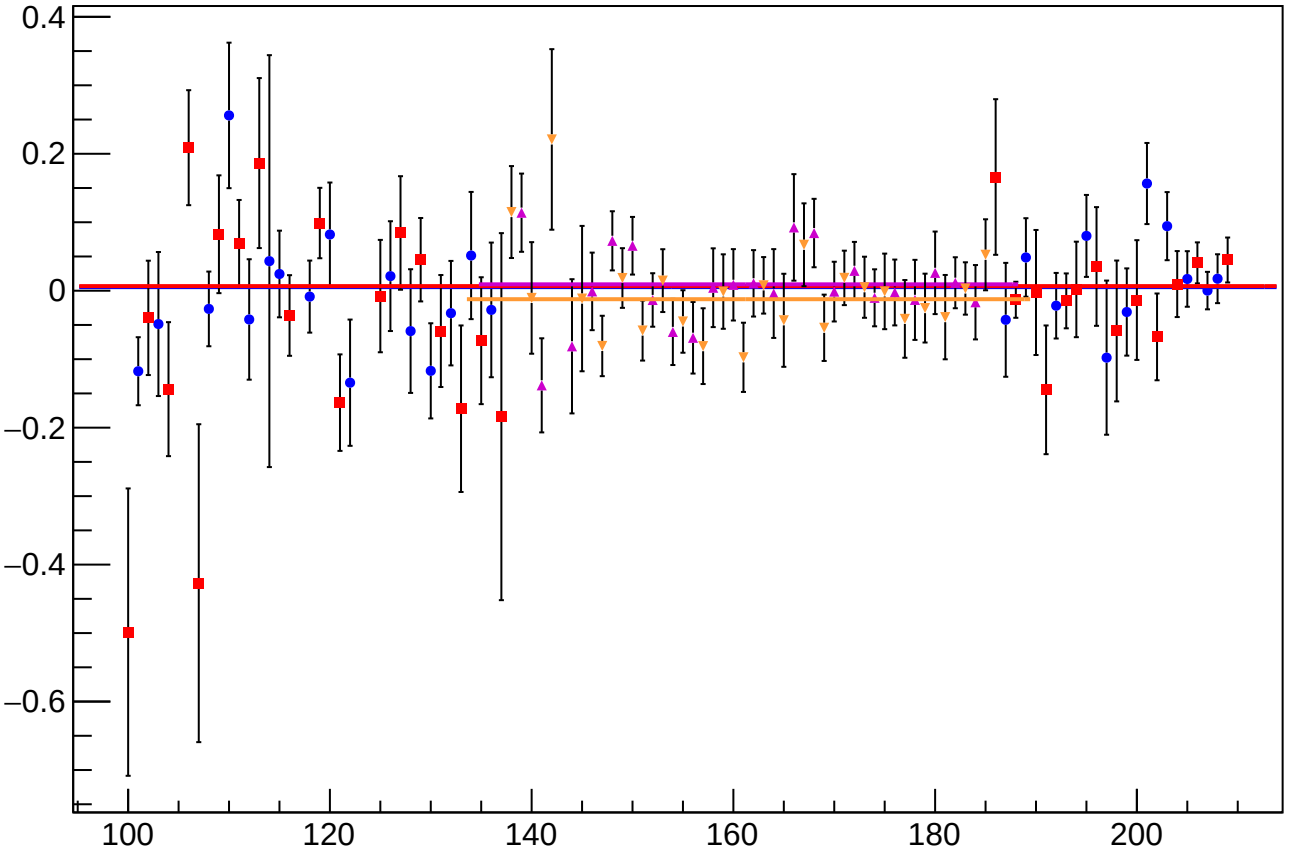
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951059.2/50

All: 40.246+/-0.004 χ^2/NDF: 11079662.9/104

- sign 39.956+/-0.005 χ^2/NDF: 6122614.4/53

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

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

Right Out: 0.007+/-0.011 χ^2/NDF: 46.6/30

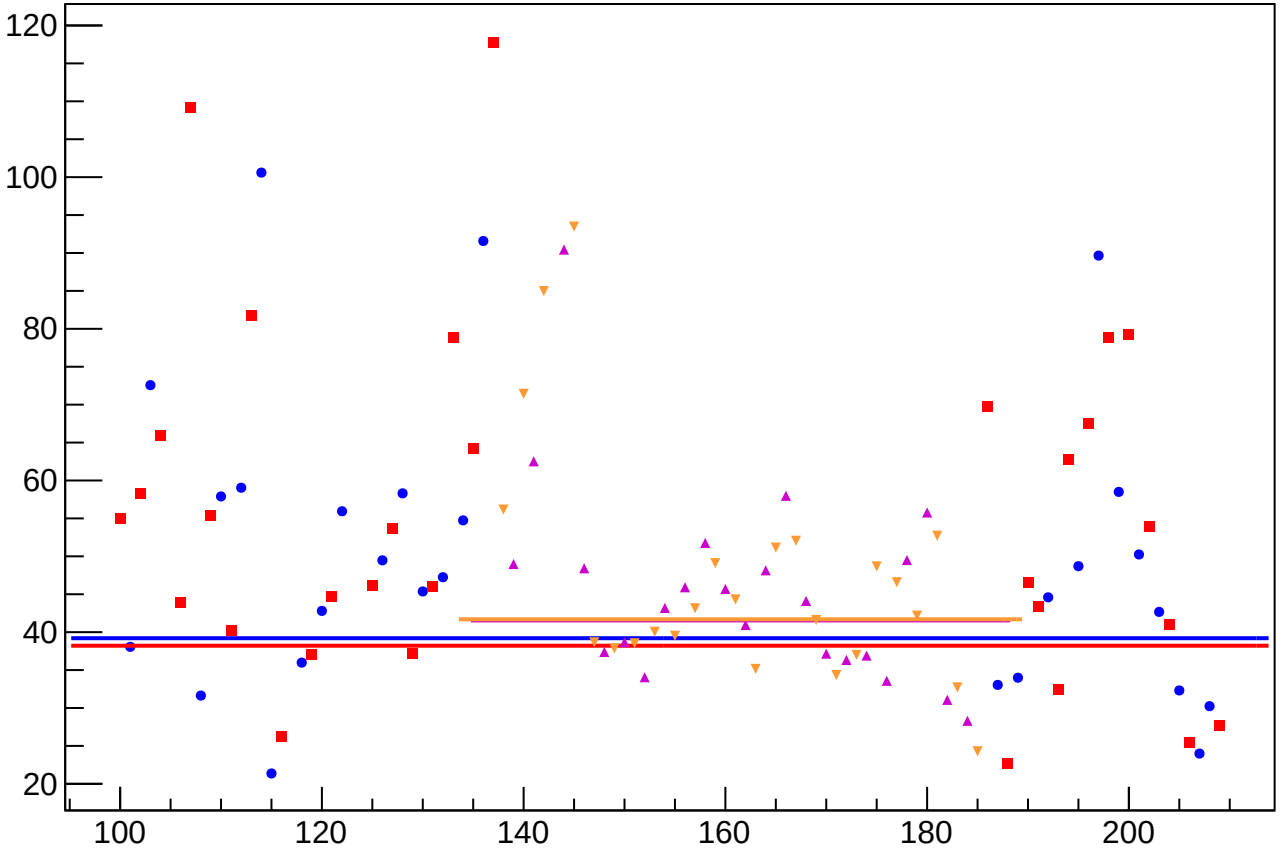
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.5/50

All: 0.002+/-0.005 χ^2/NDF: 127.3/104

- sign 0.008+/-0.008 χ^2/NDF: 68.5/53

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.212+/-0.008 χ^2/NDF: 4412684.8/30

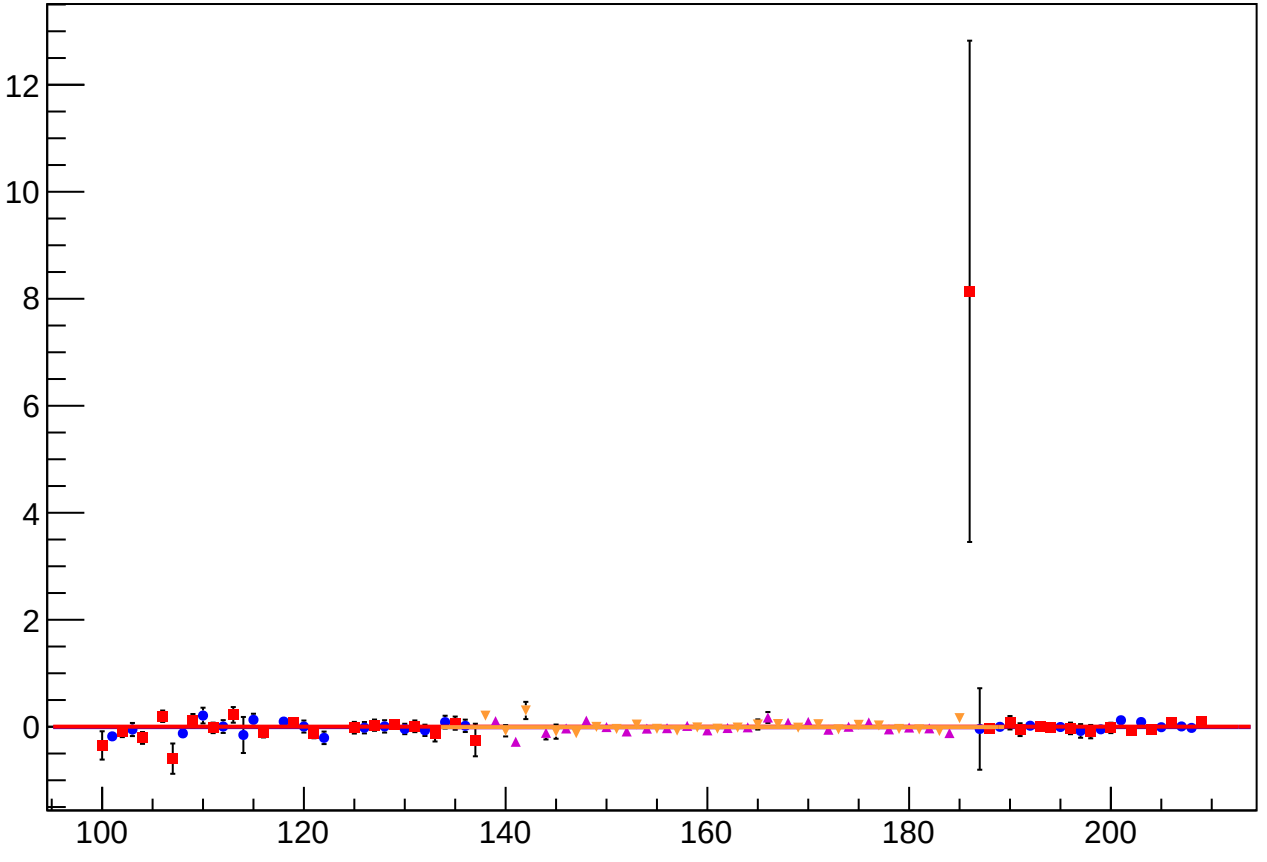
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951059.2/50

All: 40.246+/-0.004 χ^2/NDF: 11079662.9/104

- sign 39.956+/-0.005 χ^2/NDF: 6122614.4/53

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.002+/-0.016 χ^2/NDF: 35.9/30

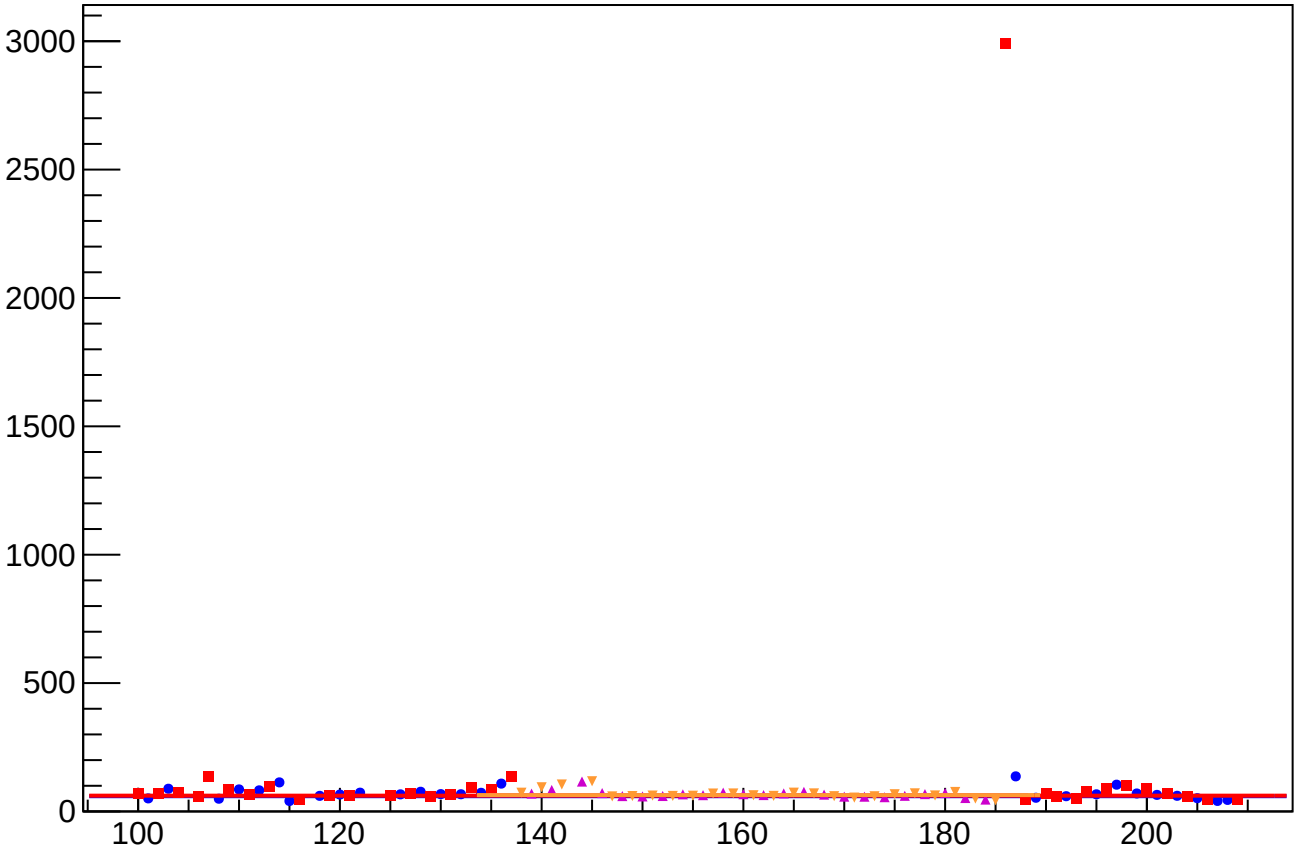
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.011 χ^2/NDF: 48.2/50

All: -0.005+/-0.008 χ^2/NDF: 112.5/104

- sign -0.003+/-0.011 χ^2/NDF: 64.2/53

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 59.387+/-0.011 χ^2/NDF: 1782197.8/26

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

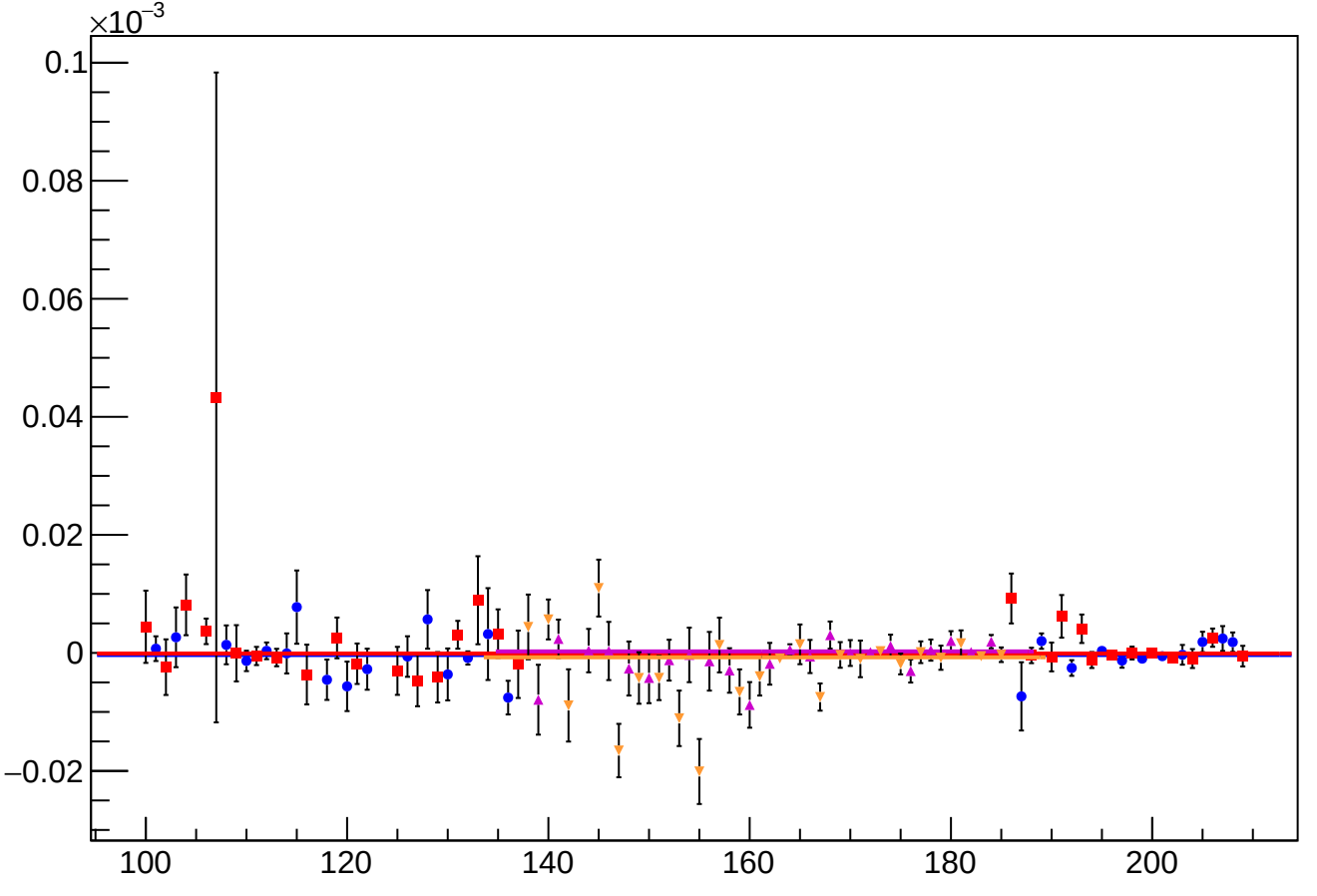
Right Out: 61.514+/-0.012 χ^2/NDF: 2714284.7/30

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 61.700+/-0.008 χ^2/NDF: 2937924.6/50

All: 62.267+/-0.006 χ^2/NDF: 6526485.9/104

- sign 62.839+/-0.008 χ^2/NDF: 3578229.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/30

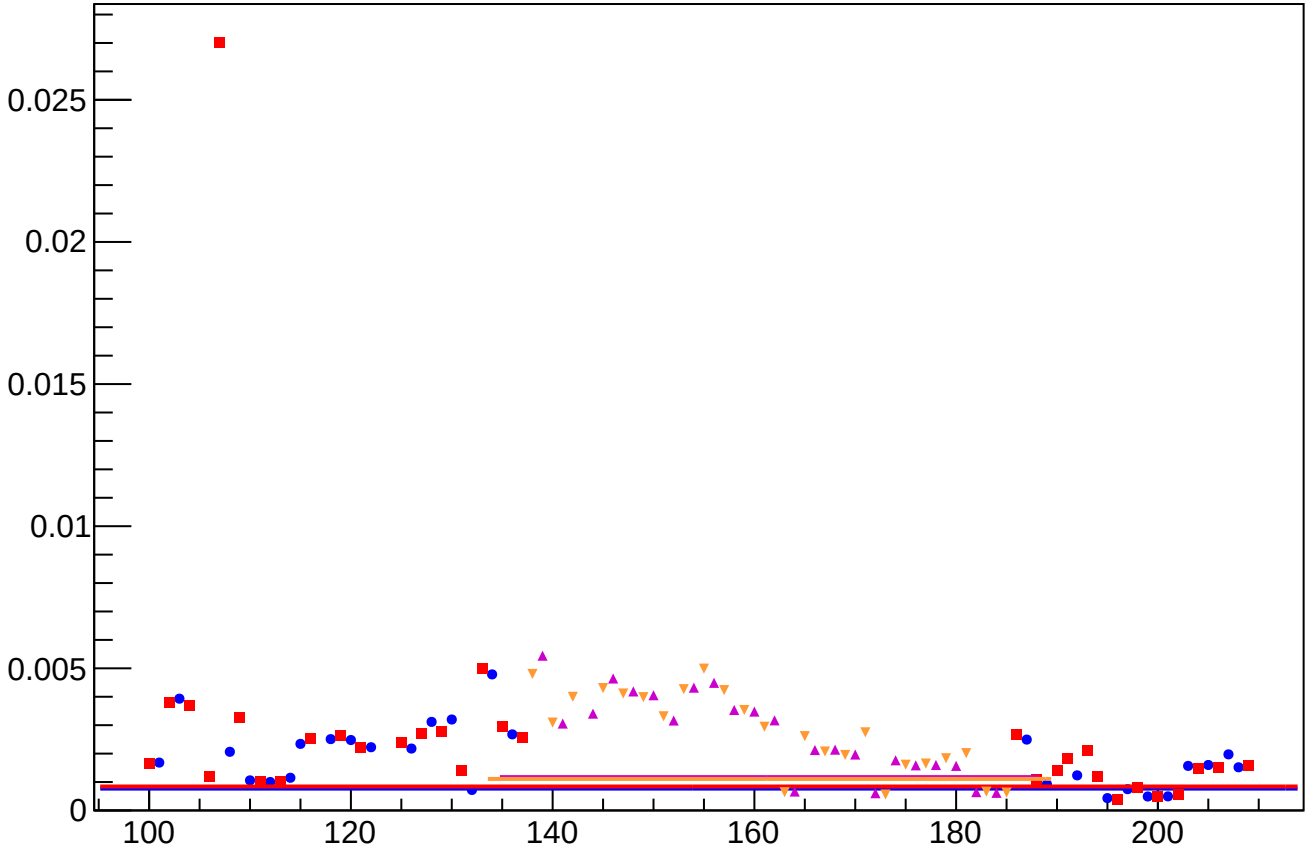
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.1/50

All: -0.000+/-0.000 χ^2/NDF: 147.4/104

- sign 0.000+/-0.000 χ^2/NDF: 51.2/53

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10123381.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10949274.4/30

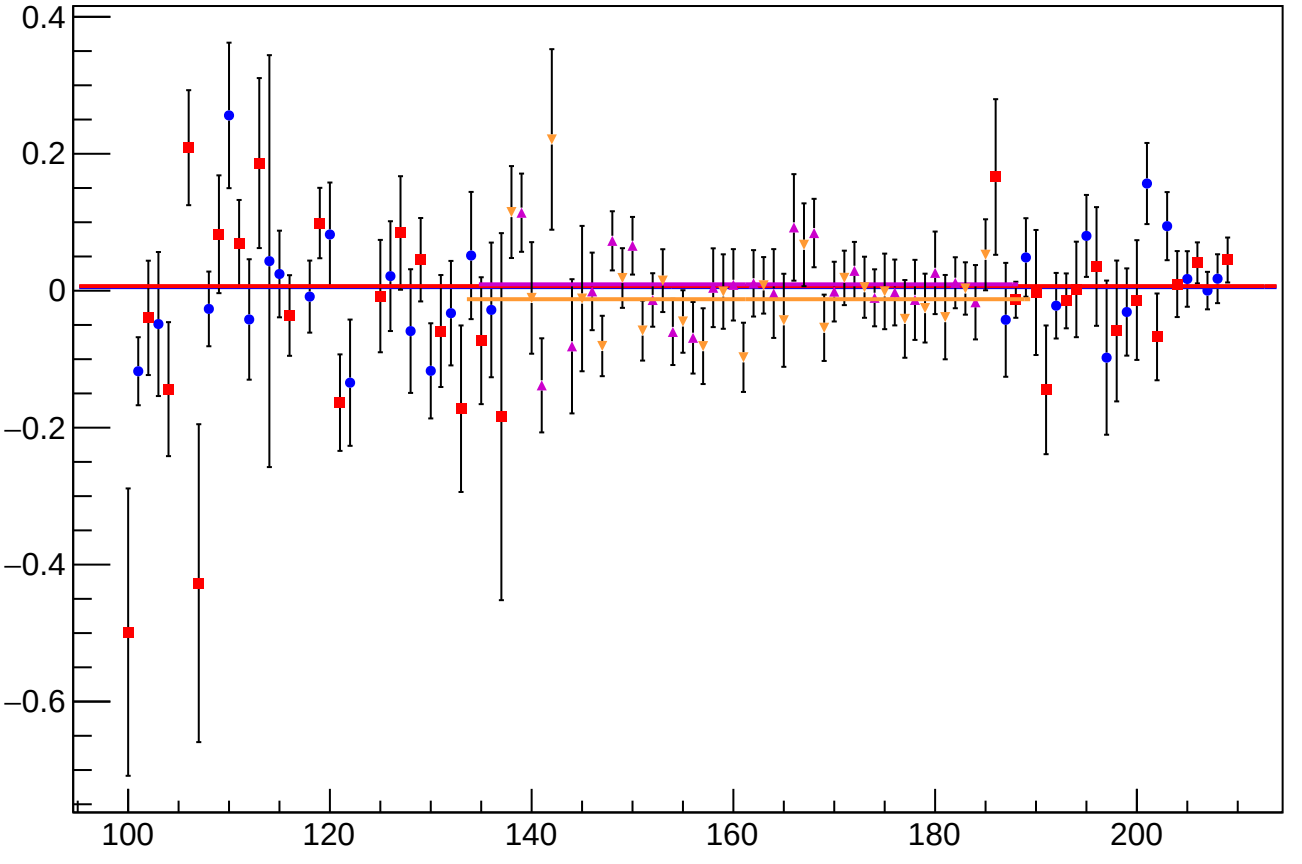
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 26592948.2/50

All: 0.001+/-0.000 χ^2/NDF: 53019347.3/104

- sign 0.001+/-0.000 χ^2/NDF: 26297066.8/53

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

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

Right Out: 0.007+/-0.011 χ^2/NDF: 46.6/30

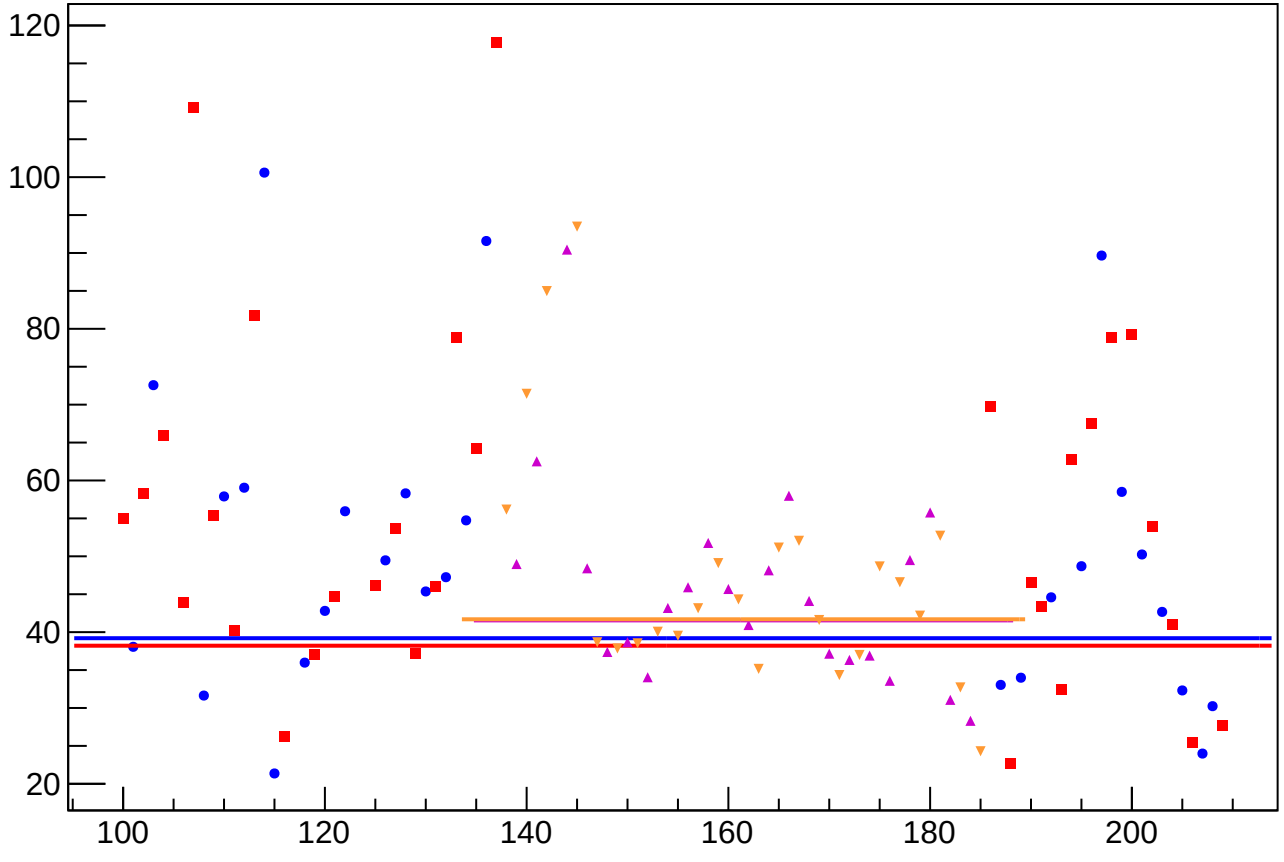
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.008 χ^2/NDF: 57.5/50

All: 0.002+/-0.005 χ^2/NDF: 127.3/104

- sign 0.008+/-0.008 χ^2/NDF: 68.5/53

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

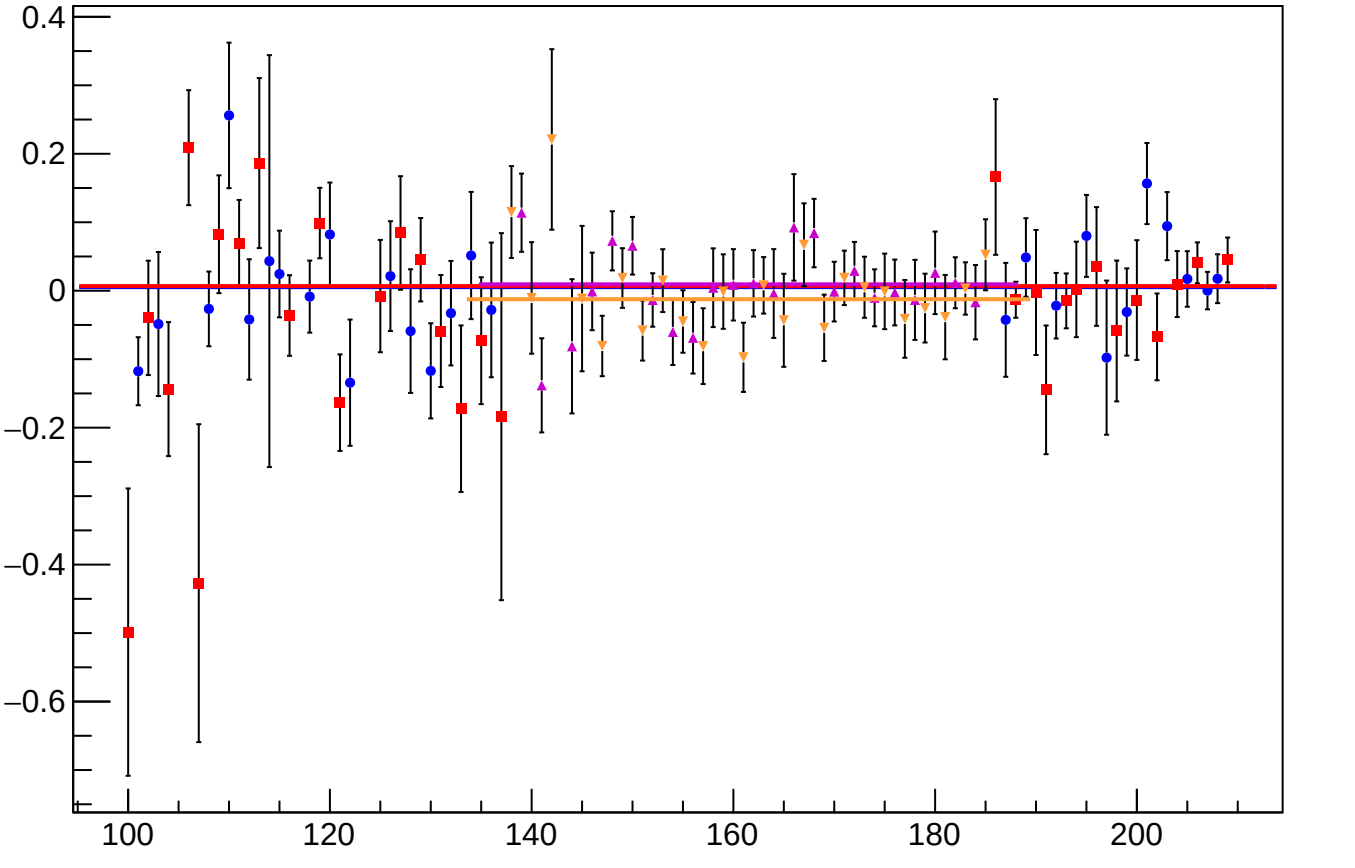
Right Out: 38.212+/-0.008 χ^2/NDF: 4412582.3/30

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

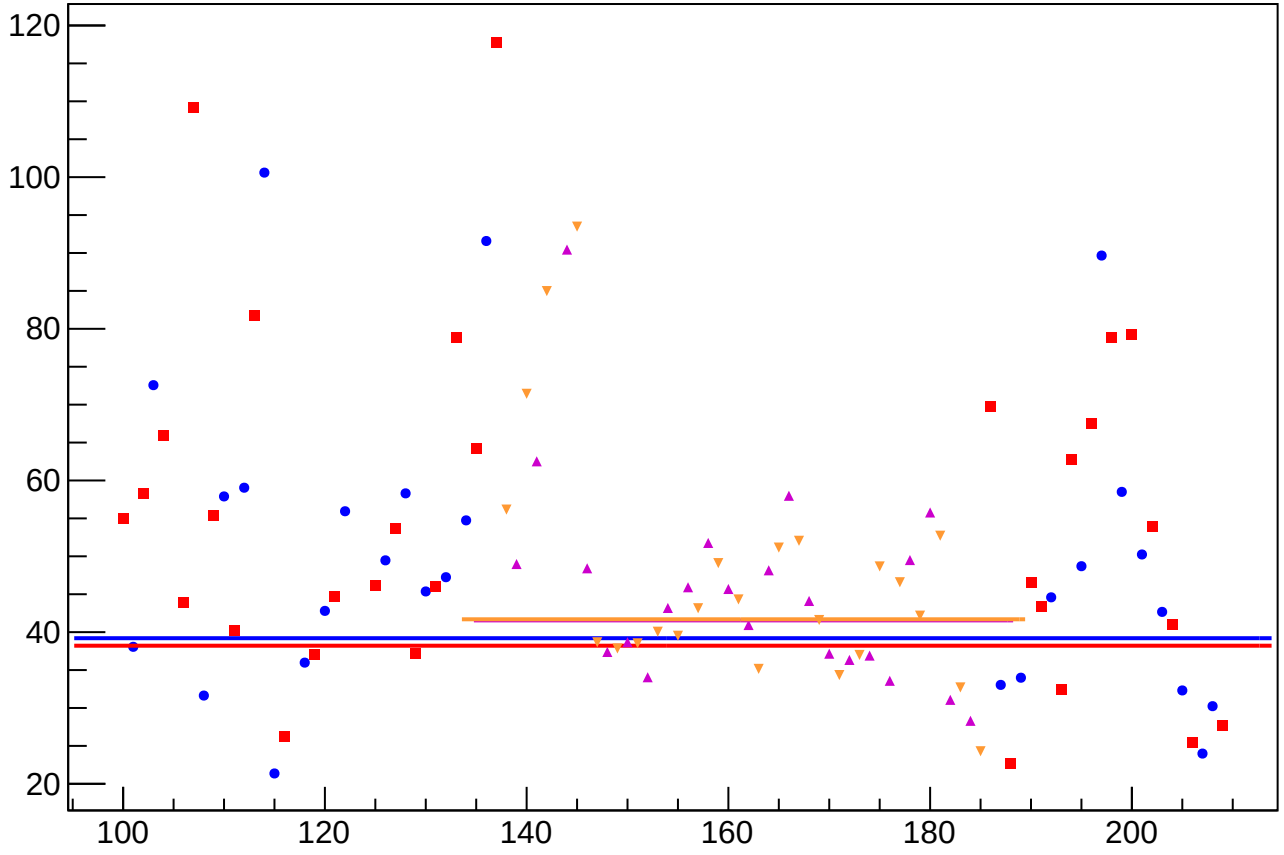
+ sign 40.547+/-0.005 χ^2/NDF: 4951019.2/50

All: 40.246+/-0.004 χ^2/NDF: 11079498.7/104

- sign 39.956+/-0.005 χ^2/NDF: 6122492.7/53


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.005+/-0.011 χ²/NDF: 34.2/26
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.007+/-0.011 χ²/NDF: 46.6/30
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.004+/-0.008 χ²/NDF: 57.5/50
All: 0.002+/-0.005 χ²/NDF: 127.3/104
- sign 0.008+/-0.008 χ²/NDF: 68.5/53

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.212+/-0.008 χ^2/NDF: 4412582.3/30

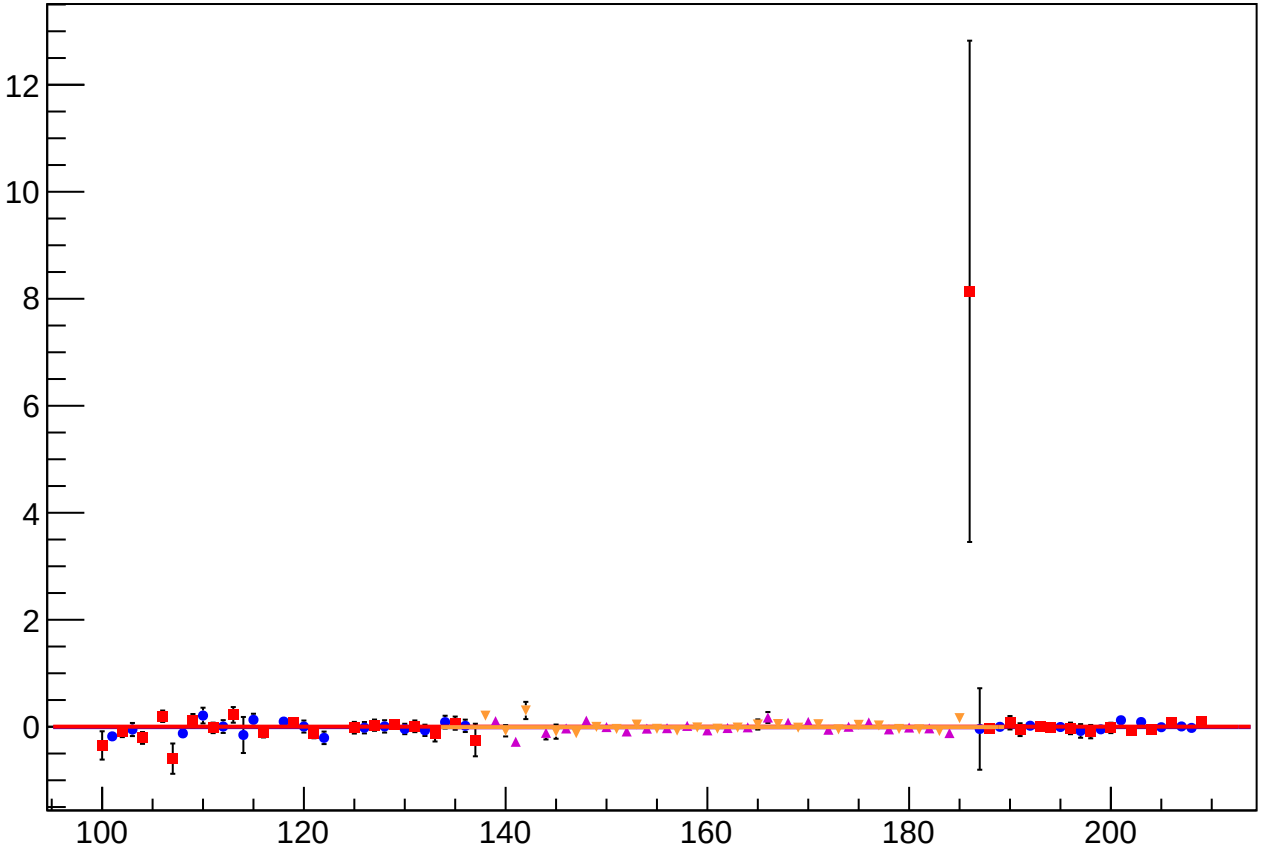
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 40.547+/-0.005 χ^2/NDF: 4951019.2/50

All: 40.246+/-0.004 χ^2/NDF: 11079498.7/104

- sign 39.956+/-0.005 χ^2/NDF: 6122492.7/53

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.002+/-0.016 χ^2/NDF: 35.9/30

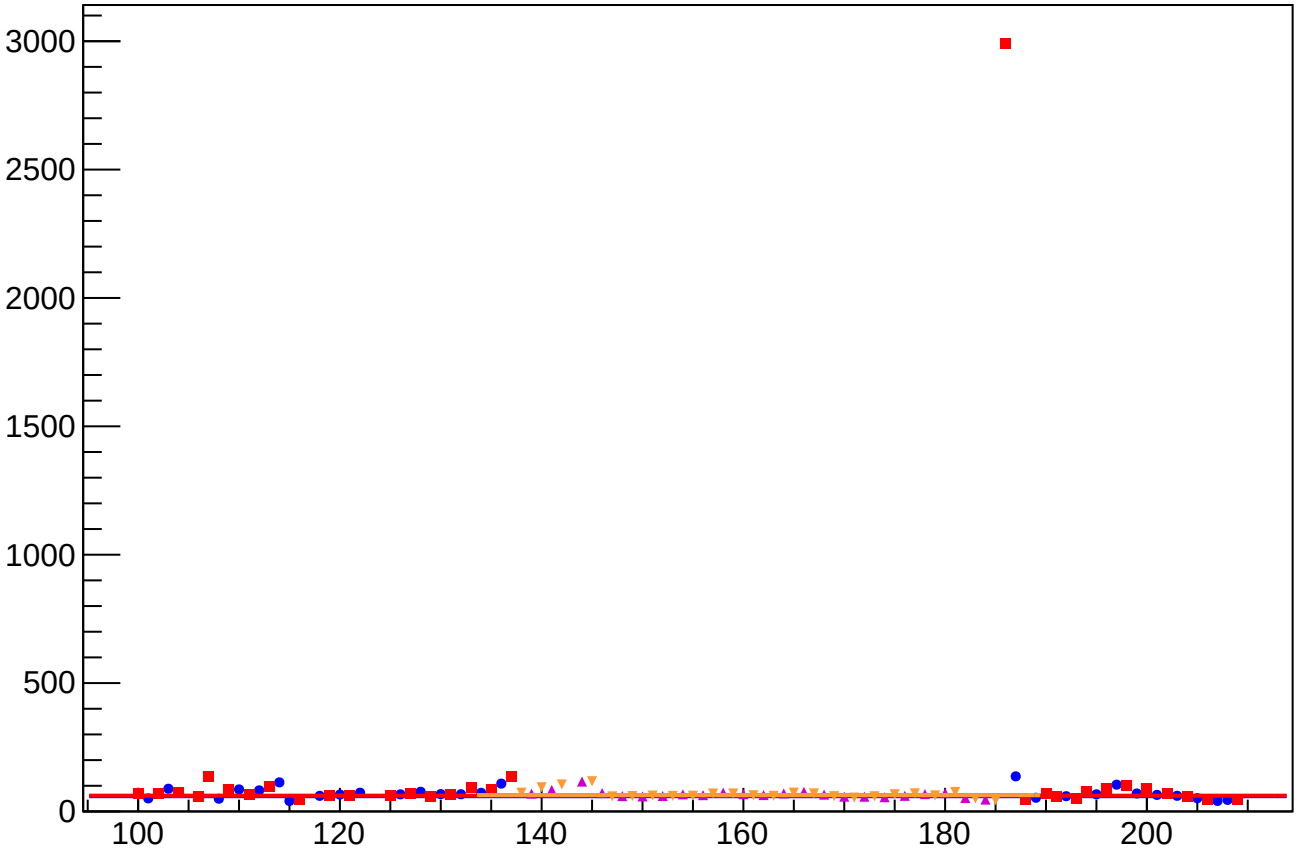
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.011 χ^2/NDF: 48.2/50

All: -0.005+/-0.008 χ^2/NDF: 112.5/104

- sign -0.003+/-0.011 χ^2/NDF: 64.2/53

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 59.387+/-0.011 χ^2/NDF: 1782188.8/26

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 61.514+/-0.012 χ^2/NDF: 2714257.0/30

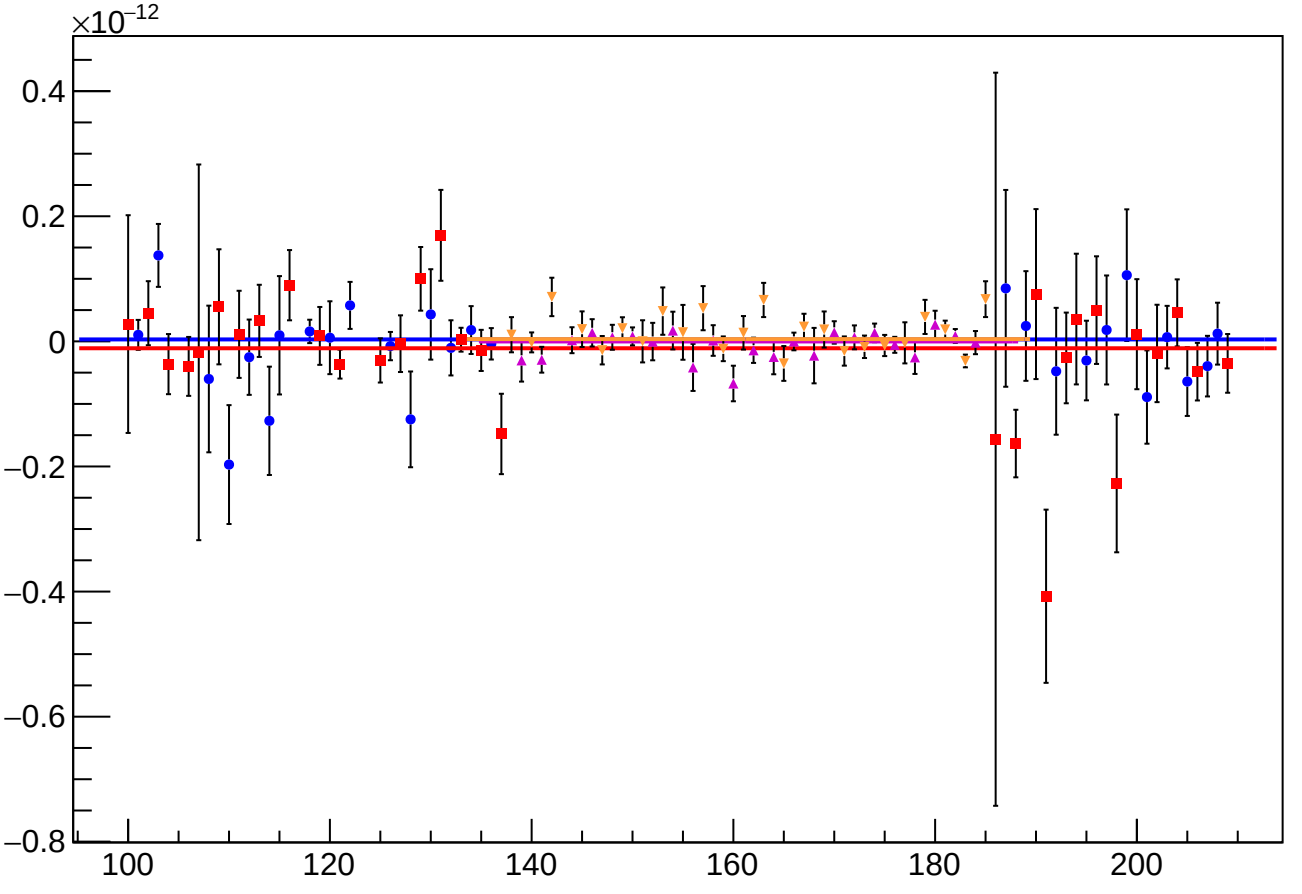
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

\+ sign 61.700+/-0.008 χ^2/NDF: 2937911.0/50

All: 62.267+/-0.006 χ^2/NDF: 6526447.0/104

\- sign 62.839+/-0.008 χ^2/NDF: 3578204.6/53

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 47.4/30

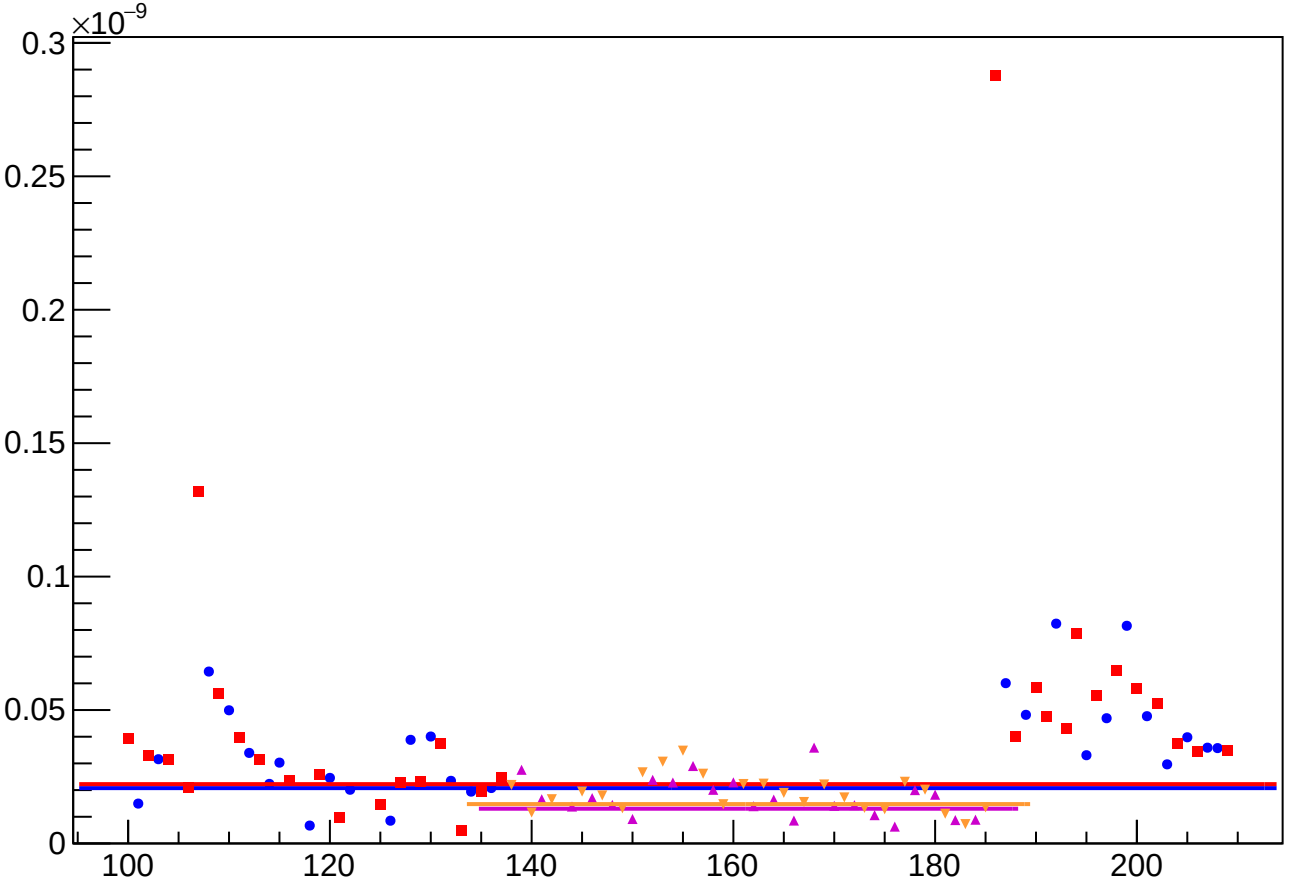
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.9/50

All: 0.000+/-0.000 χ^2/NDF: 133.8/104

- sign -0.000+/-0.000 χ^2/NDF: 65.8/53

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5706256.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6594737.8/30

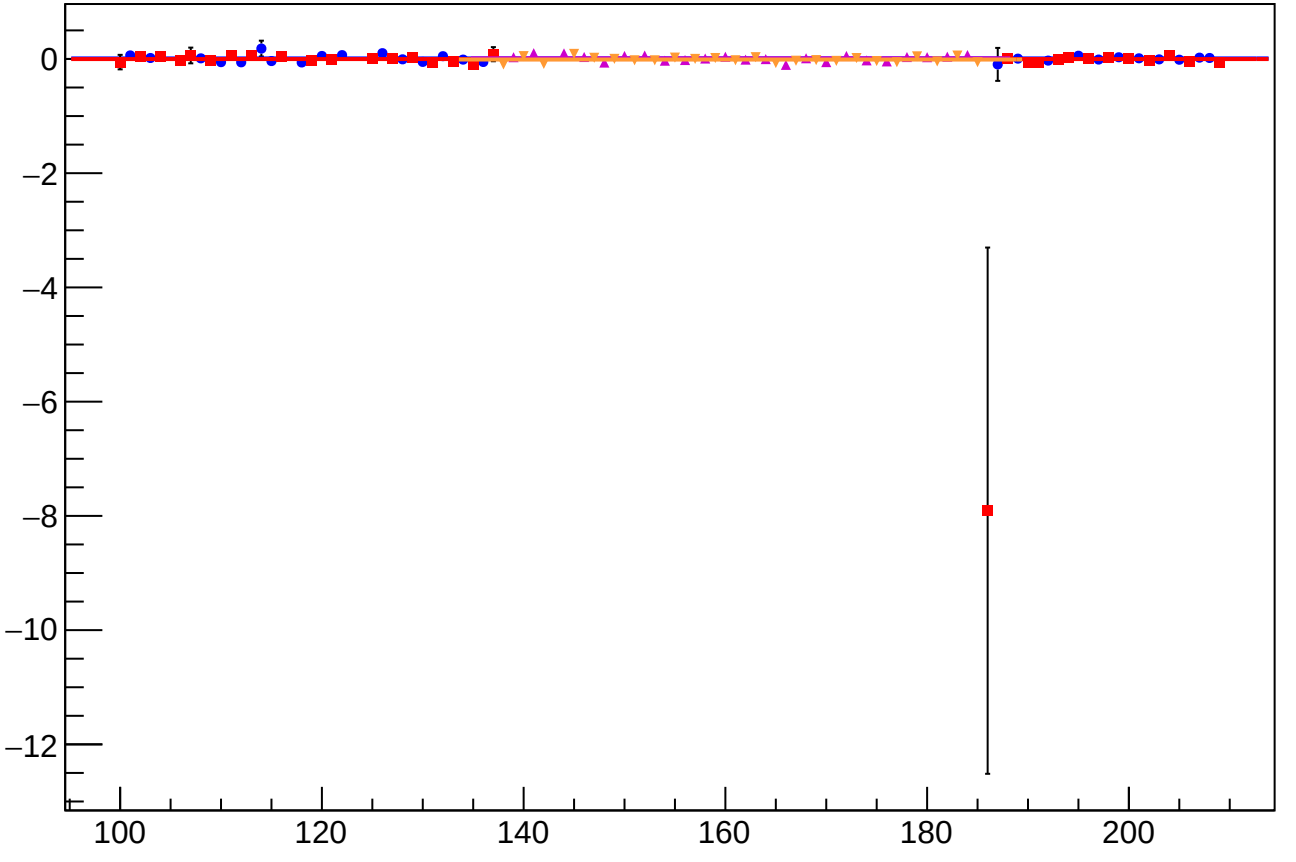
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10040781.3/50

All: 0.000+/-0.000 χ^2/NDF: 22510536.6/104

- sign 0.000+/-0.000 χ^2/NDF: 12329123.5/53

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.002+/-0.008 χ^2/NDF: 28.1/30

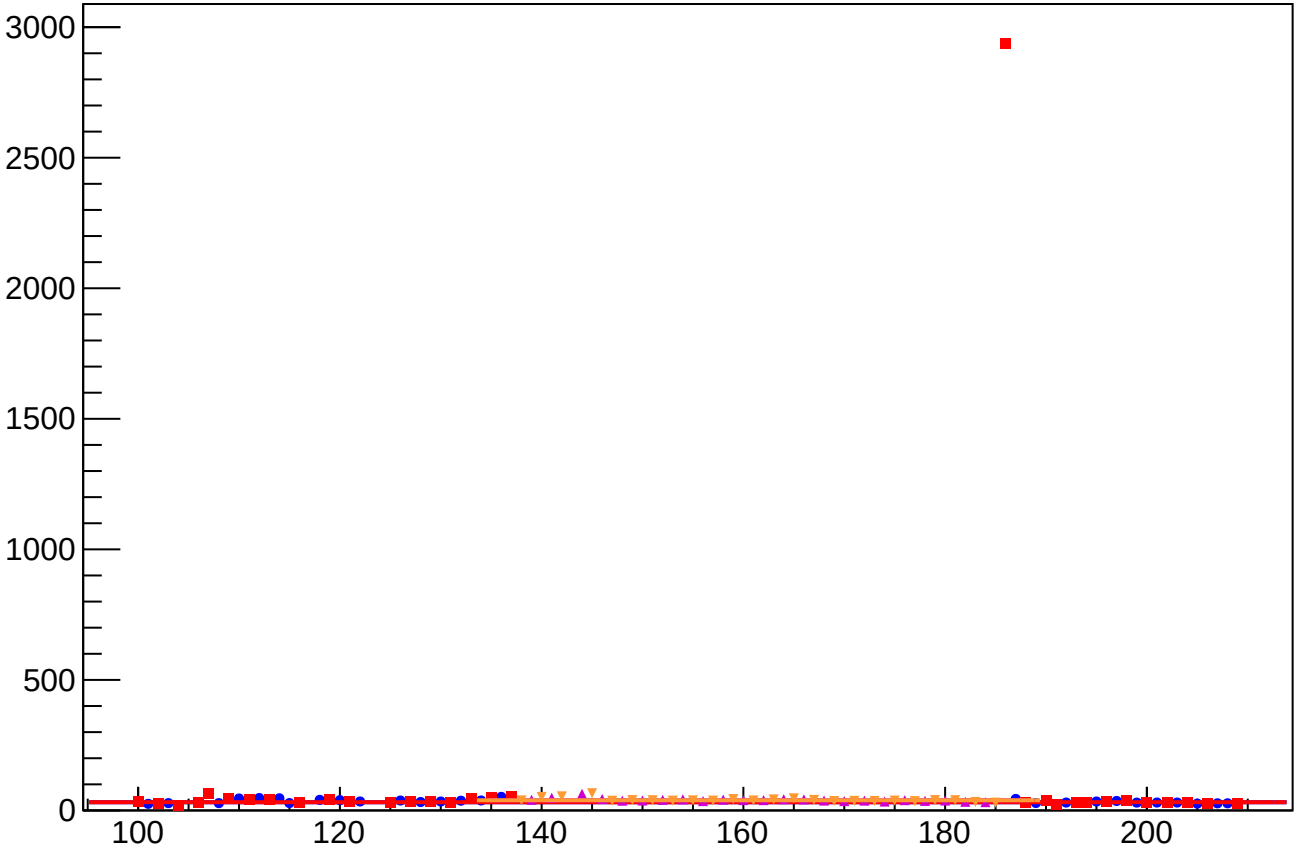
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.001+/-0.006 χ^2/NDF: 41.2/50

All: 0.002+/-0.004 χ^2/NDF: 93.8/104

- sign 0.004+/-0.006 χ^2/NDF: 52.5/53

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

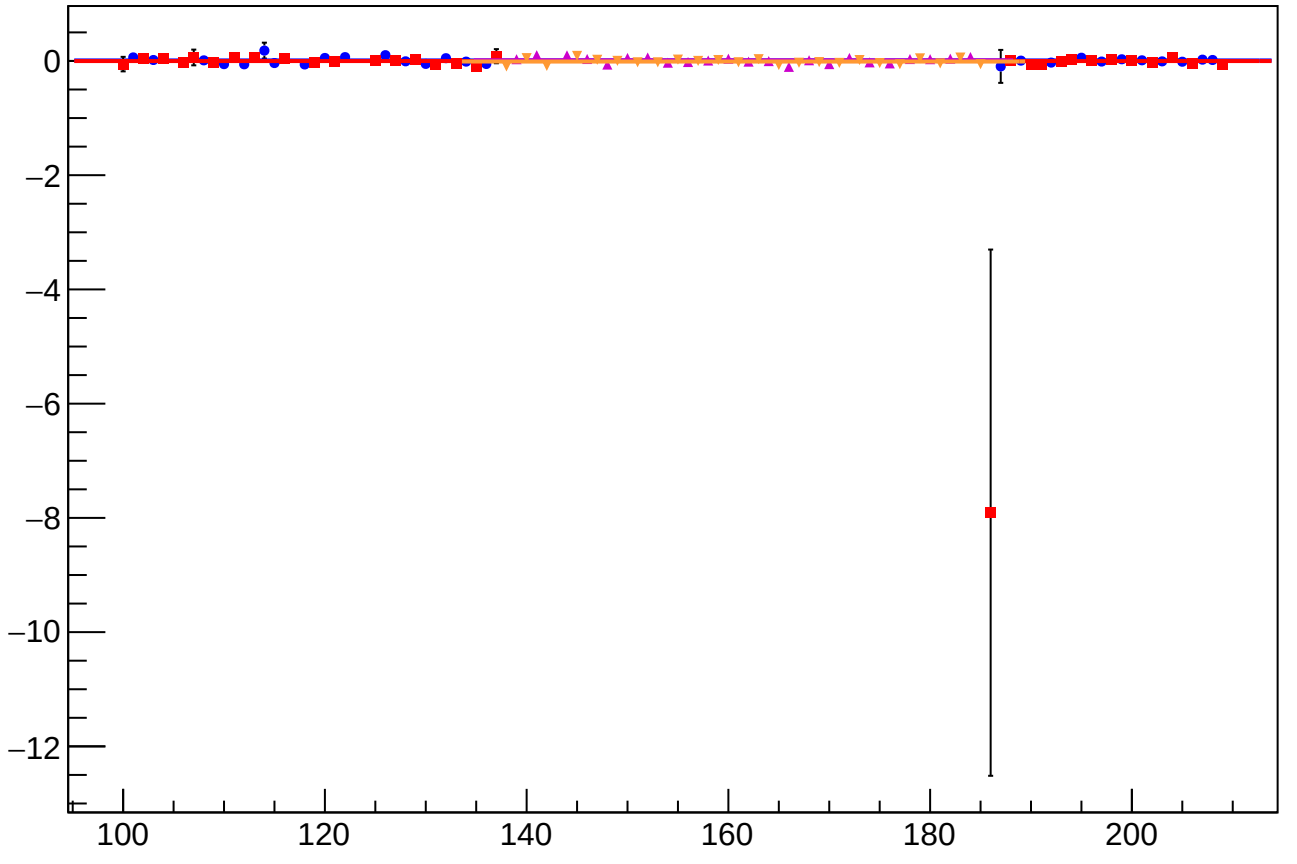
Right Out: 31.551+/-0.006 χ^2/NDF: 1977657.9/30

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

\+ sign 34.775+/-0.004 χ^2/NDF: 2248571.1/50

All: 34.785+/-0.003 χ^2/NDF: 5479896.0/104

\- sign 34.794+/-0.004 χ^2/NDF: 3231314.9/53



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.002+/-0.008 χ^2/NDF: 28.1/30

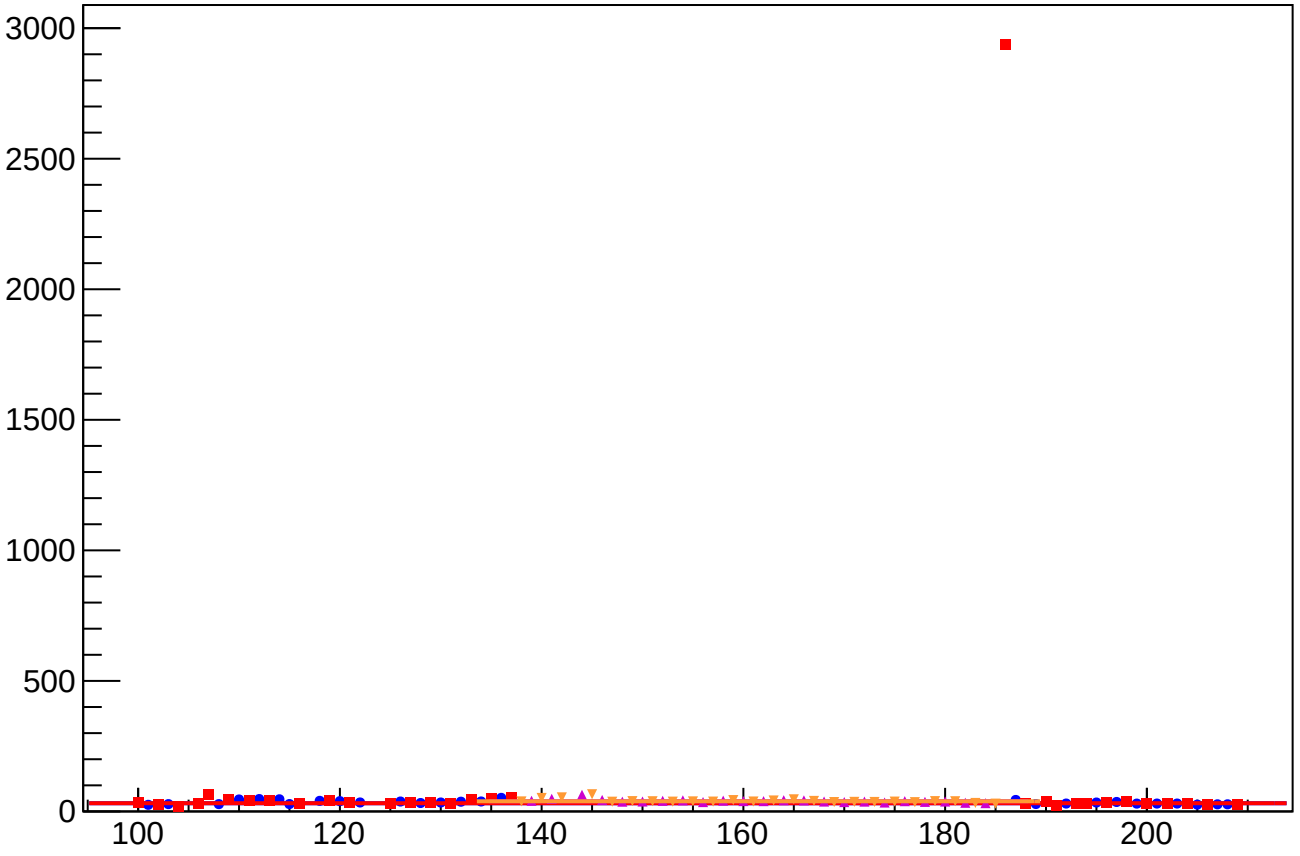
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.001+/-0.006 χ^2/NDF: 41.2/50

All: 0.002+/-0.004 χ^2/NDF: 93.8/104

- sign 0.004+/-0.006 χ^2/NDF: 52.5/53

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.551+/-0.006 χ^2/NDF: 1977657.9/30

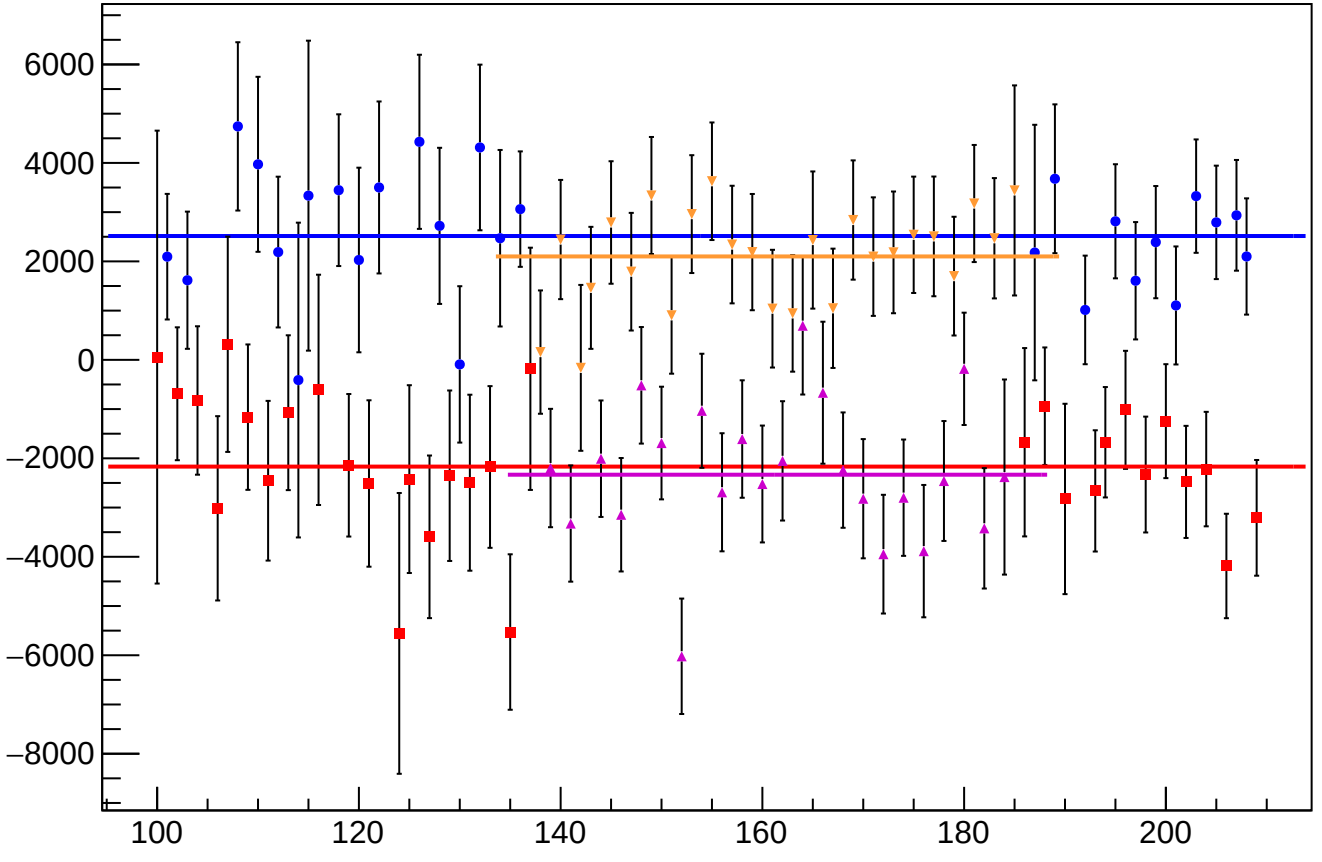
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 34.775+/-0.004 χ^2/NDF: 2248571.1/50

All: 34.785+/-0.003 χ^2/NDF: 5479896.0/104

- sign 34.794+/-0.004 χ^2/NDF: 3231314.9/53

reg_asym_usr_mean vs Slug



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2168.121+/-266.115 χ^2/NDF: 20.2/30

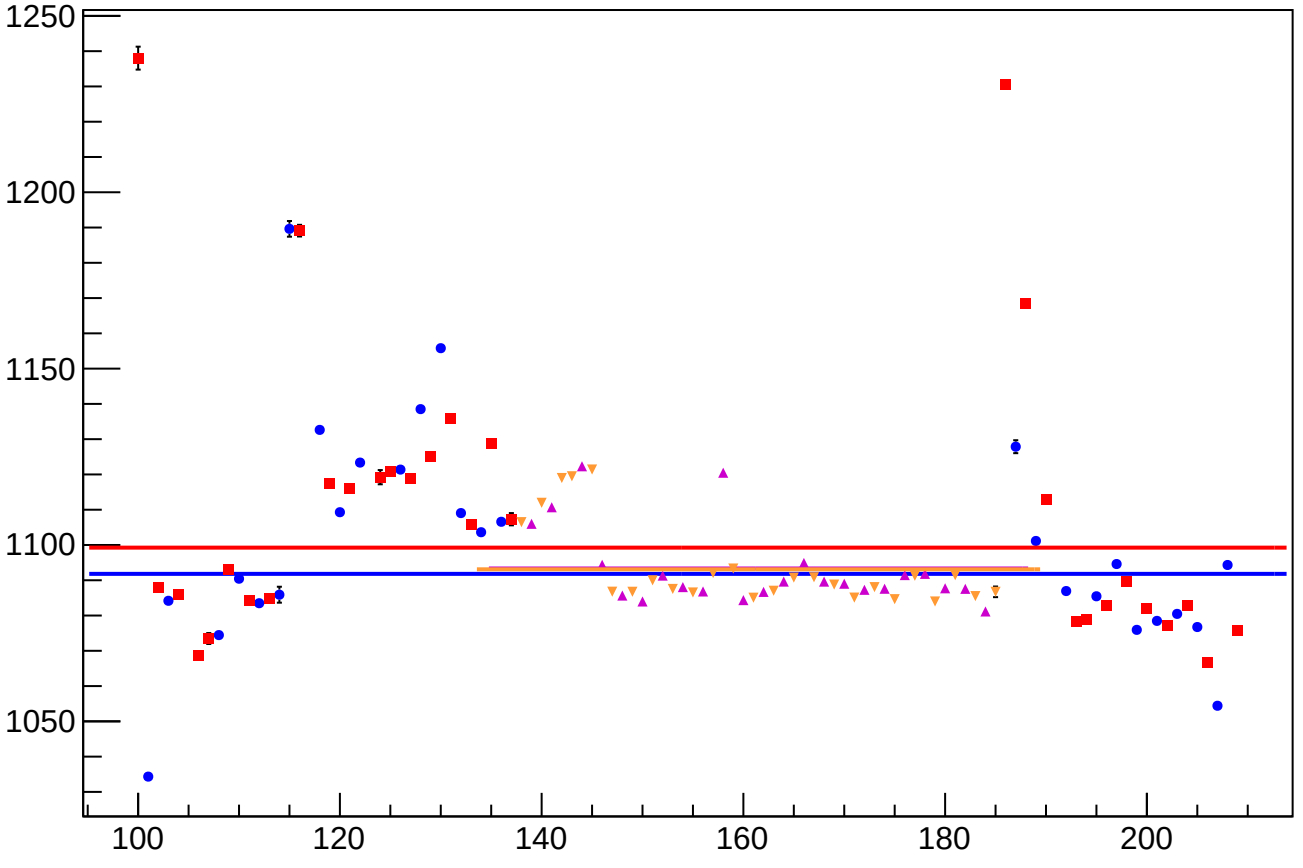
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2287.274+/-184.079 χ^2/NDF: 30.2/51

All: 18.430+/-130.215 χ^2/NDF: 384.2/105

- sign -2253.960+/-184.223 χ^2/NDF: 49.9/53

reg_asym_usr_rms vs Slug



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1099.250+/-0.188 χ^2/NDF: 31723.3/30

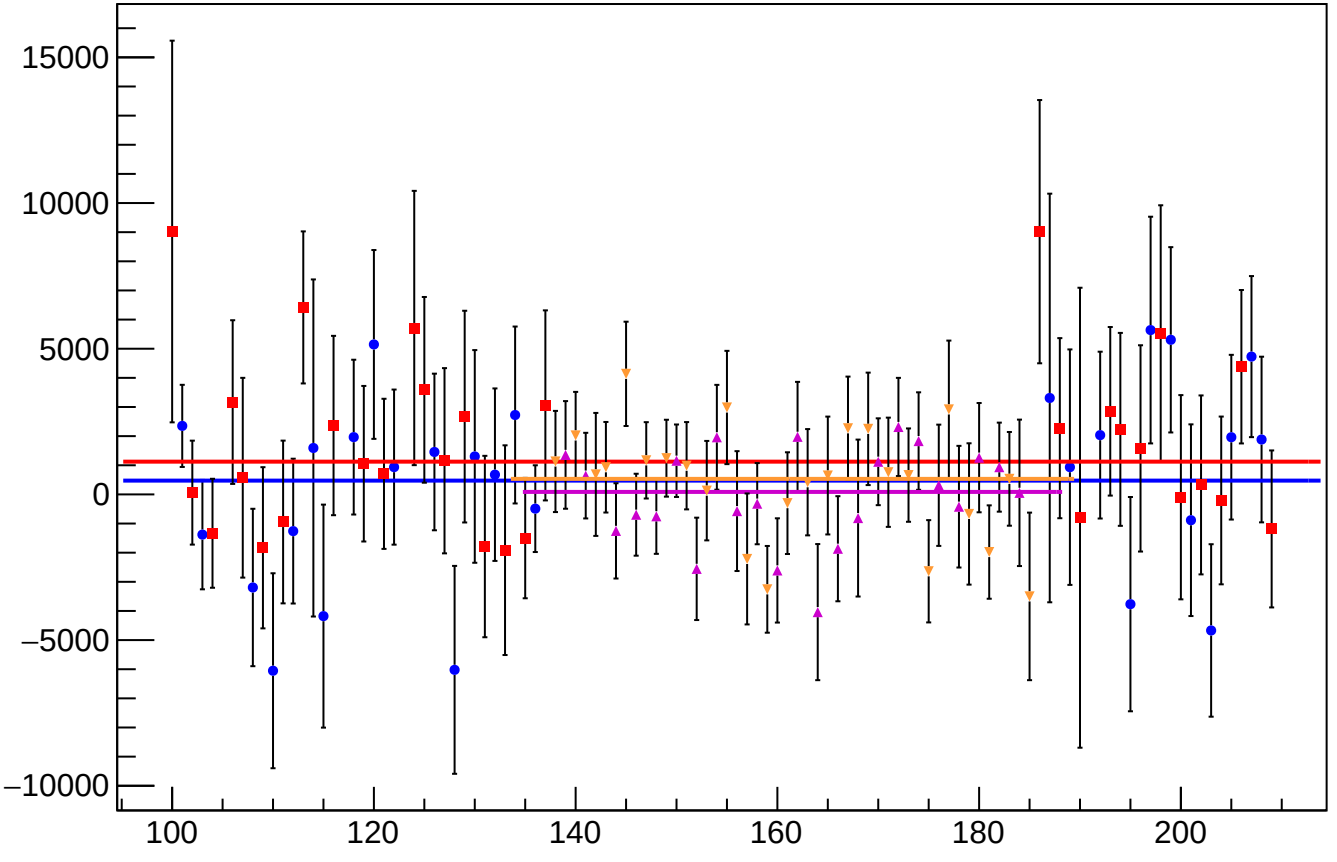
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.522+/-0.130 χ^2/NDF: 22682.8/51

All: 1094.345+/-0.092 χ^2/NDF: 59038.7/105

- sign 1096.172+/-0.130 χ^2/NDF: 35963.1/53

asym_usr_reg_correction_mean vs Slug



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1124.174+/-529.478 χ^2/NDF: 22.8/30

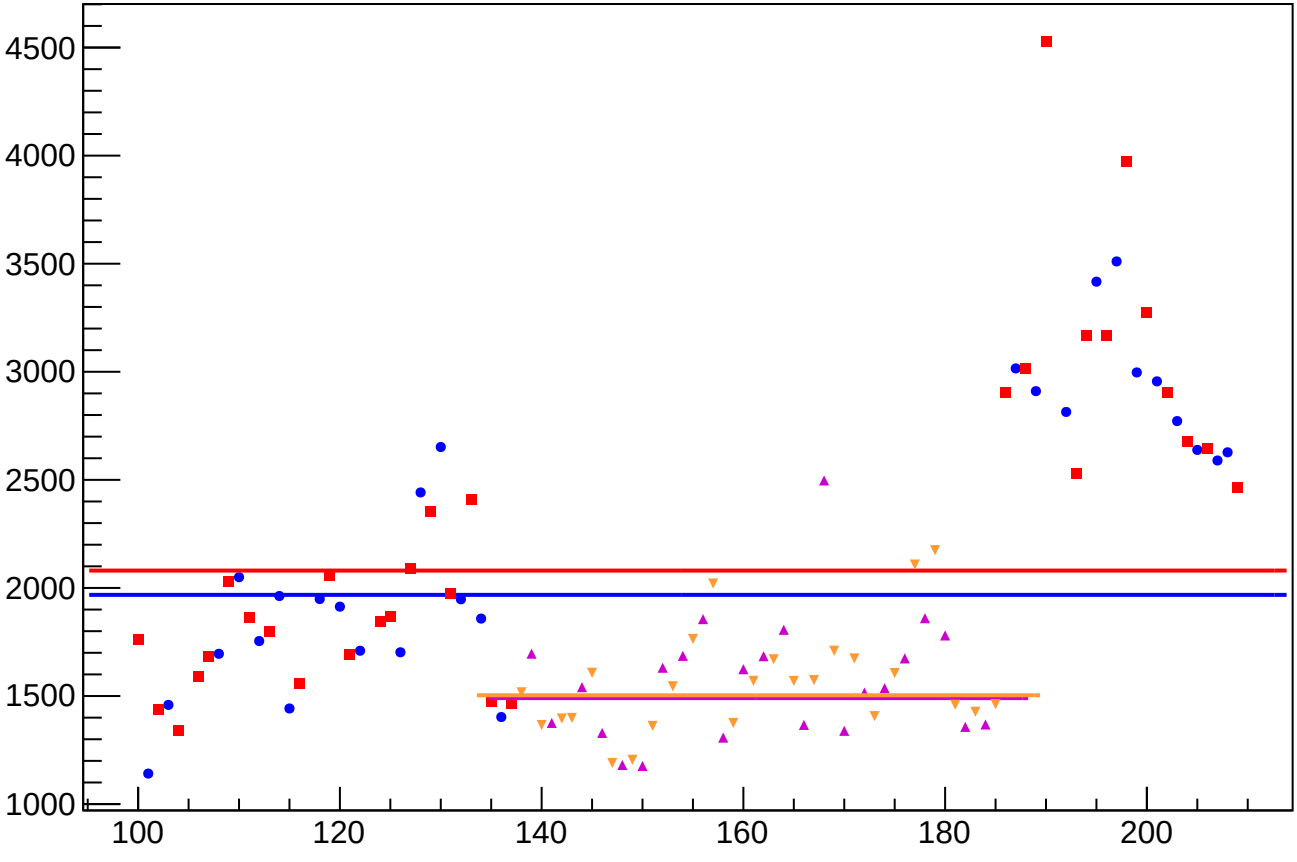
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 514.755+/-289.390 χ^2/NDF: 55.7/51

All: 461.362+/-206.325 χ^2/NDF: 99.3/105

\- sign 406.162+/-294.247 χ^2/NDF: 43.5/53

asym_usr_reg_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2080.431+/-0.374 χ^2/NDF: 2954820.6/30

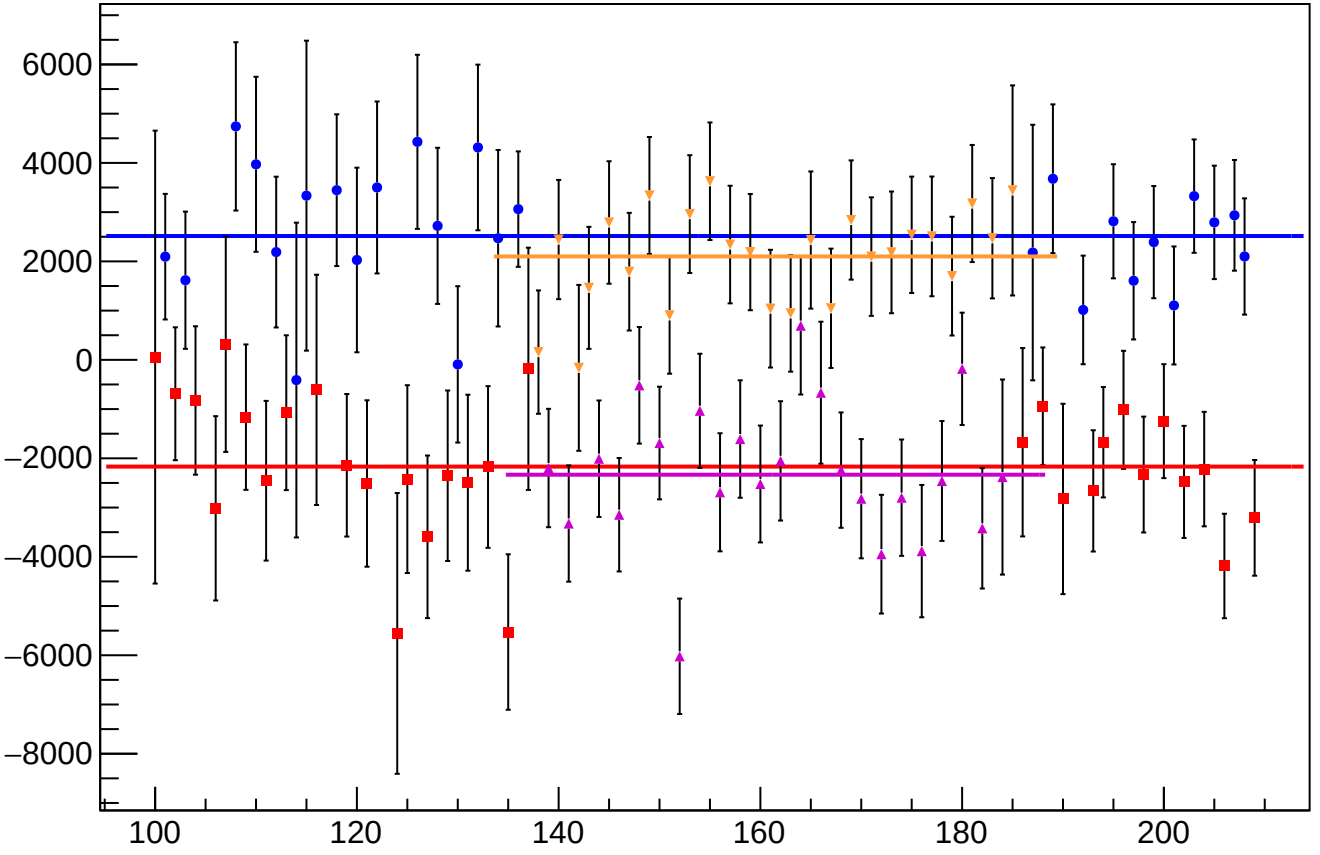
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF: 5049599.5/51

All: 1658.704+/-0.146 χ^2/NDF: 10698448.3/1

- sign 1672.564+/-0.208 χ^2/NDF: 5640120.3/53

cor_asym_usr_mean vs Slug



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2168.121+/-266.115 χ^2/NDF: 20.2/30

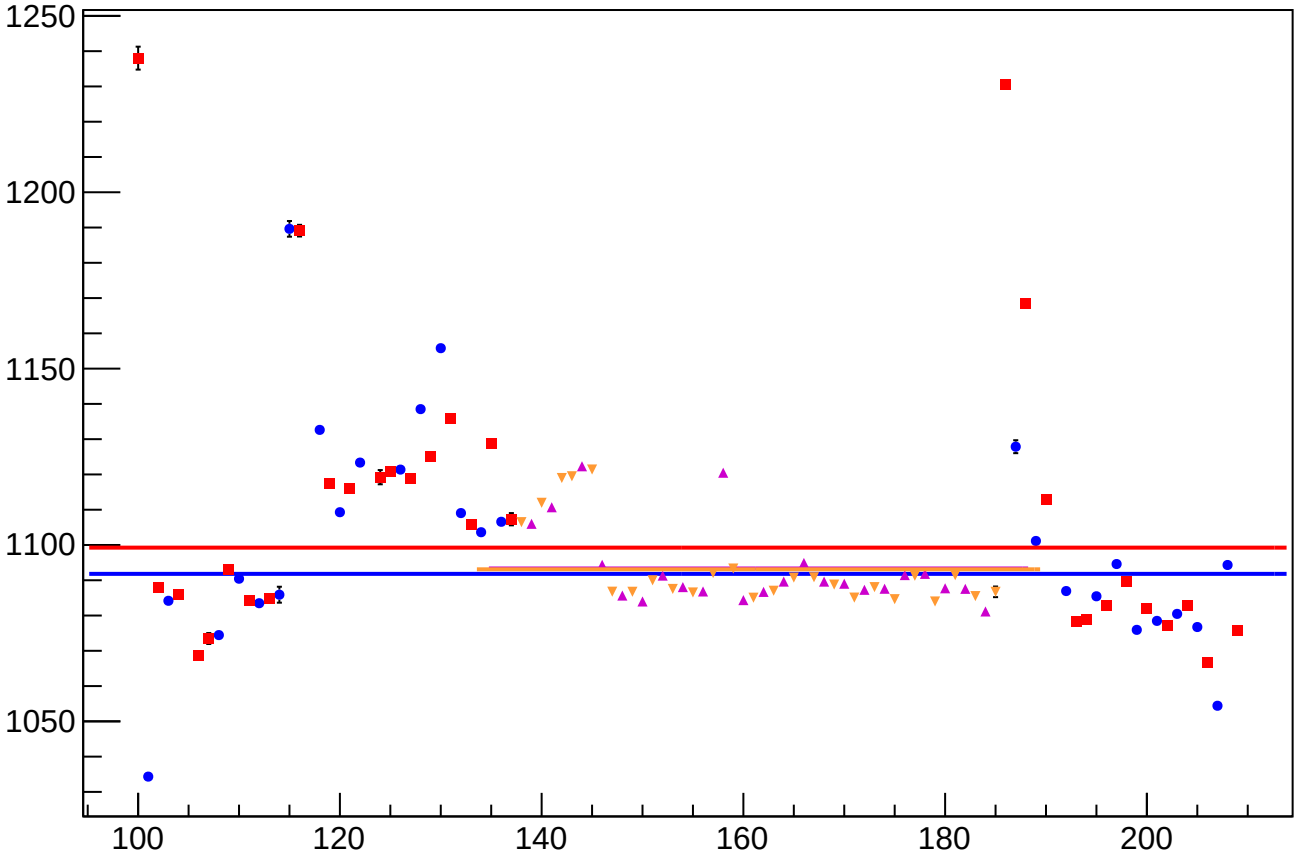
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2287.274+/-184.079 χ^2/NDF: 30.2/51

All: 18.430+/-130.215 χ^2/NDF: 384.2/105

- sign -2253.960+/-184.223 χ^2/NDF: 49.9/53

cor_asym_usr_rms vs Slug



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1099.250+/-0.188 χ^2/NDF: 31723.3/30

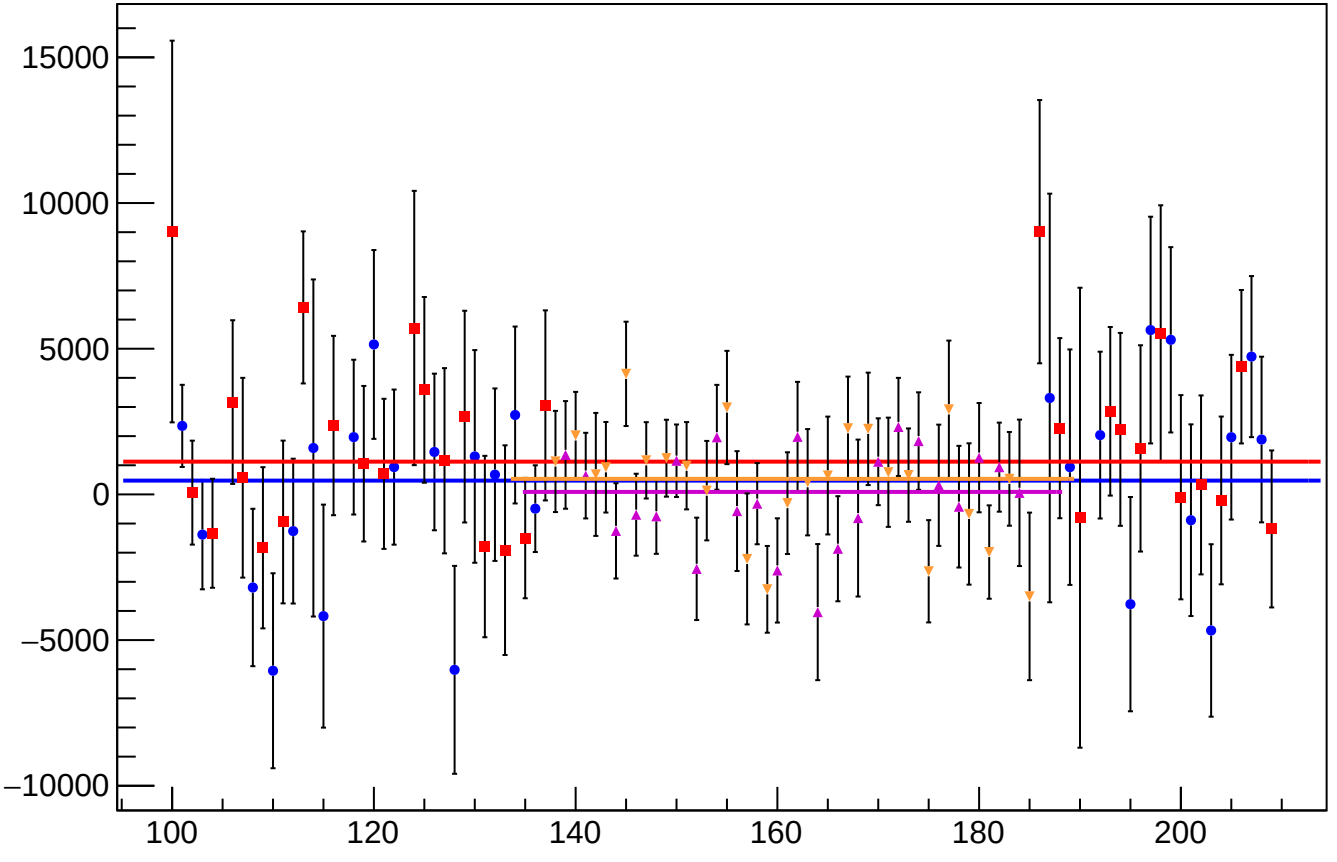
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.522+/-0.130 χ^2/NDF: 22682.8/51

All: 1094.345+/-0.092 χ^2/NDF: 59038.7/105

- sign 1096.172+/-0.130 χ^2/NDF: 35963.1/53

asym_usr_cor_correction_mean vs Slug



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1124.174+/-529.478 χ^2/NDF: 22.8/30

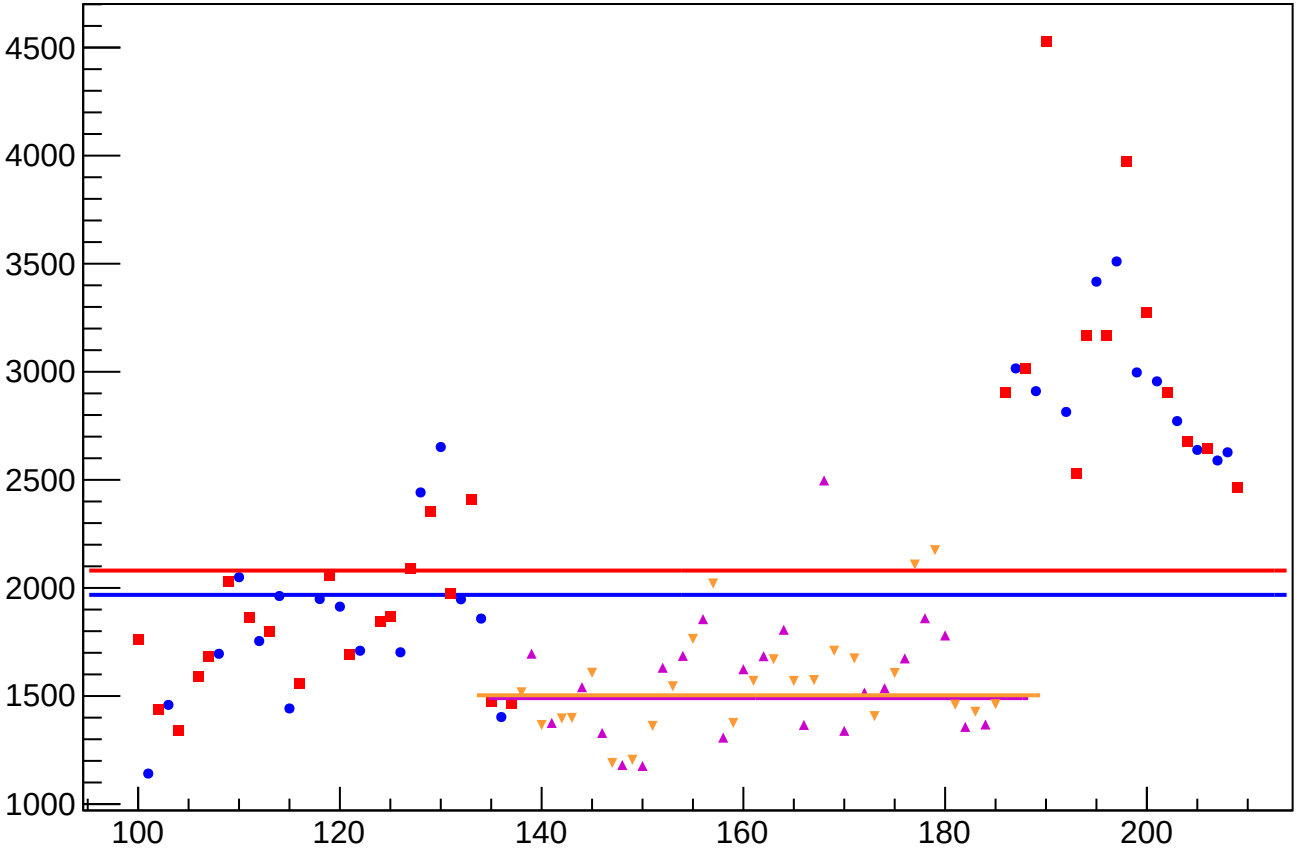
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 514.755+/-289.390 χ^2/NDF: 55.7/51

All: 461.362+/-206.325 χ^2/NDF: 99.3/105

- sign 406.162+/-294.247 χ^2/NDF: 43.5/53

asym_usr_cor_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2080.431+/-0.374 χ^2/NDF: 2954820.6/30

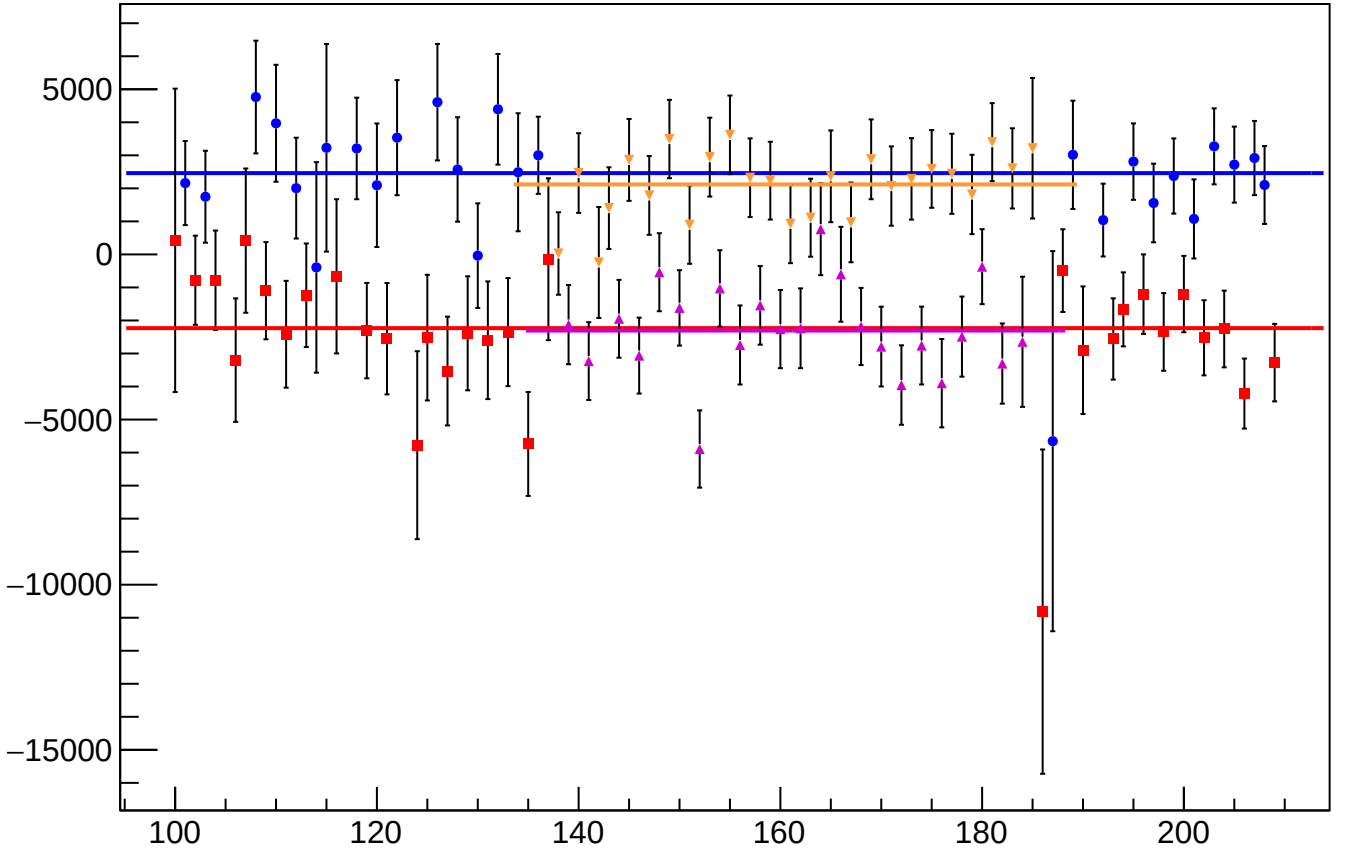
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF: 5049599.5/51

All: 1658.704+/-0.146 χ^2/NDF: 10698448.3/1

- sign 1672.564+/-0.208 χ^2/NDF: 5640120.3/53

overload_cor_asym_usr_mean vs Slug



Right In: 2461.571+/-275.715 χ^2/NDF: 16.6/26

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2232.012+/-268.593 χ^2/NDF: 24.9/30

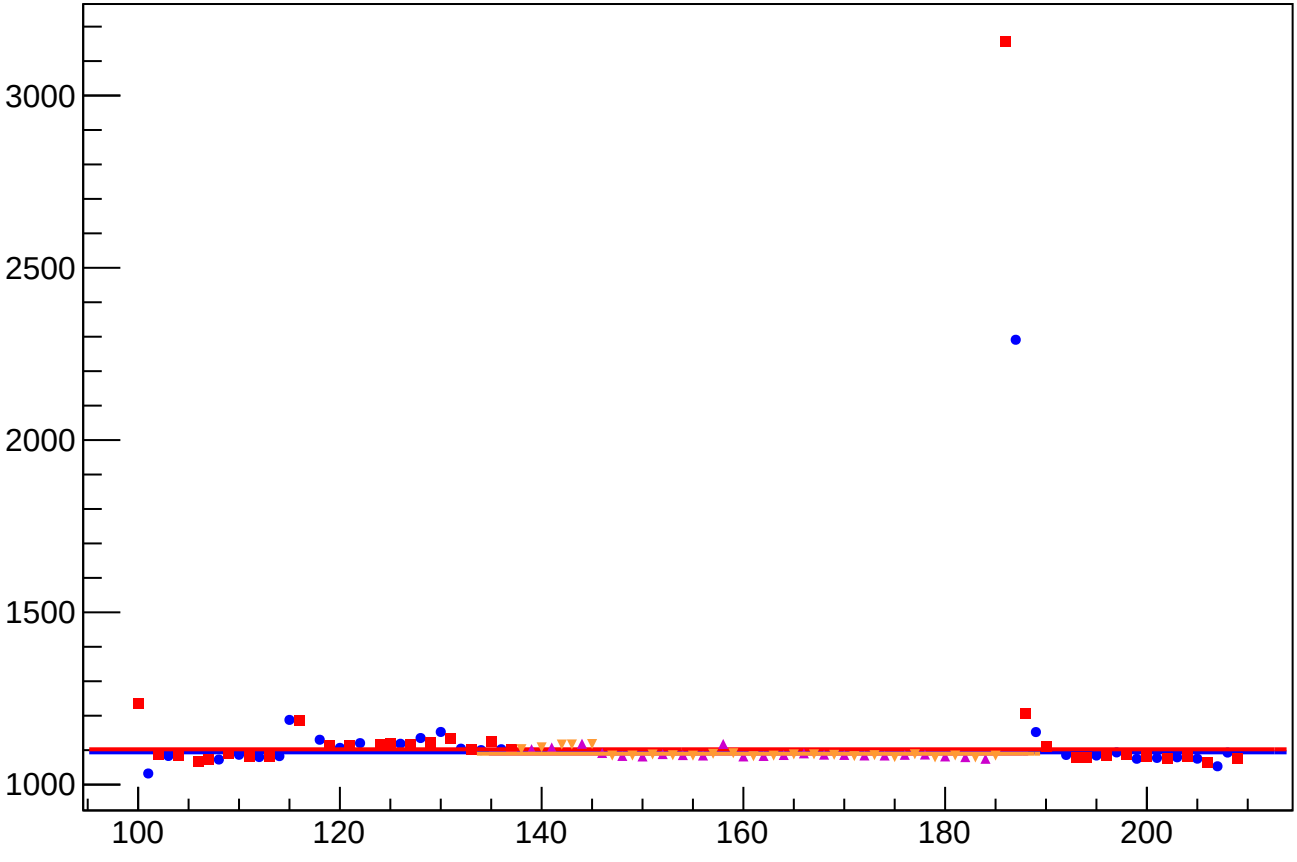
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2272.434+/-184.197 χ^2/NDF: 32.6/51

All: 7.546+/-130.438 χ^2/NDF: 389.3/105

- sign -2270.688+/-184.739 χ^2/NDF: 53.4/53

overload_cor_asym_usr_rms vs Slug



Right In: 1093.673+/-0.195 χ^2/NDF: 107299.8/26

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

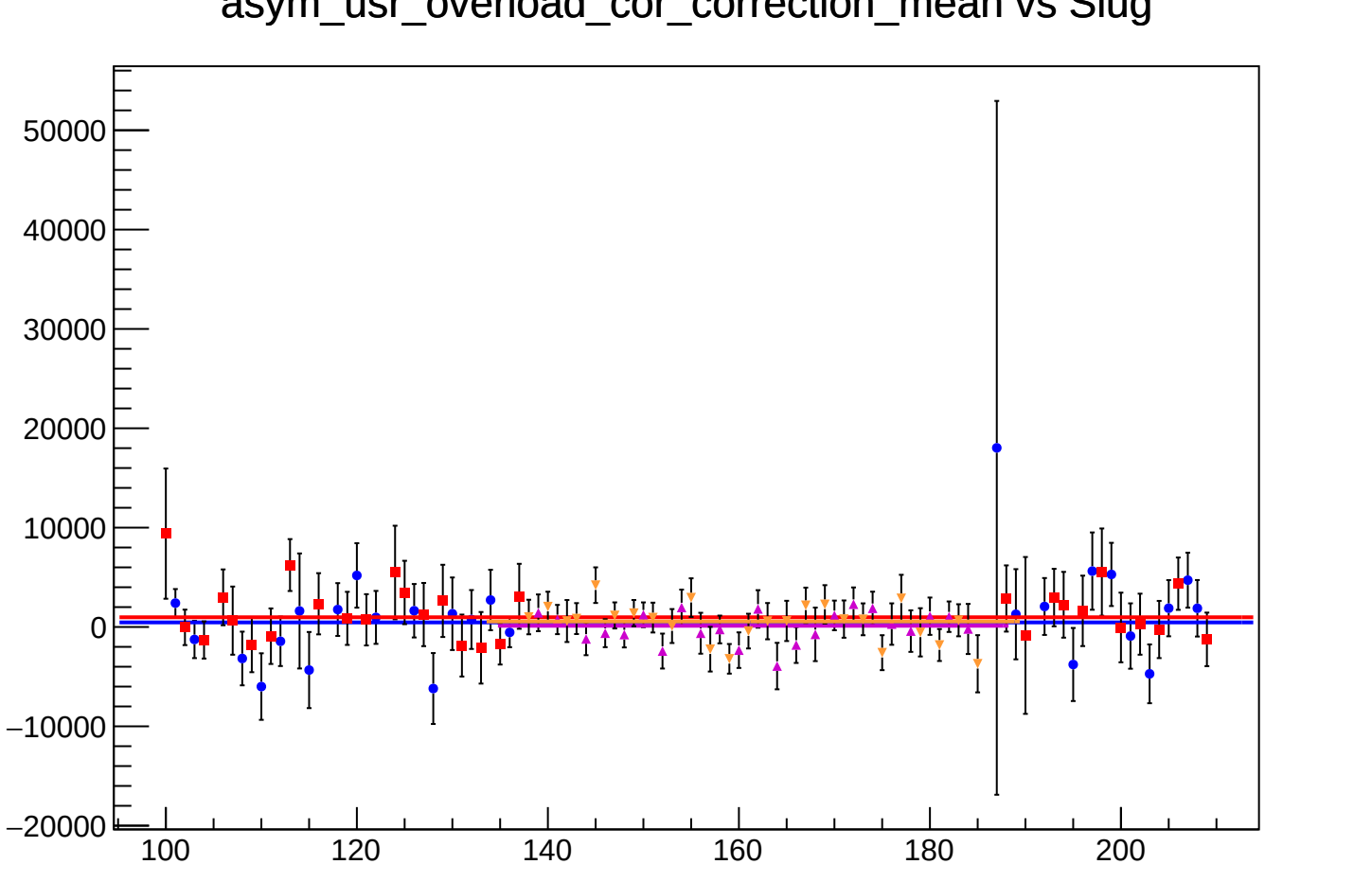
Right Out: 1102.486+/-0.190 χ^2/NDF: 380341.8/30

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1091.497+/-0.130 χ^2/NDF: 111582.3/51

All: 1093.686+/-0.092 χ^2/NDF: 498677.2/105

- sign 1095.888+/-0.131 χ^2/NDF: 386528.3/53



Right In: 460.652+/-526.514 χ^2/NDF: 29.7/26

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 977.496+/-534.670 χ^2/NDF: 19.8/29

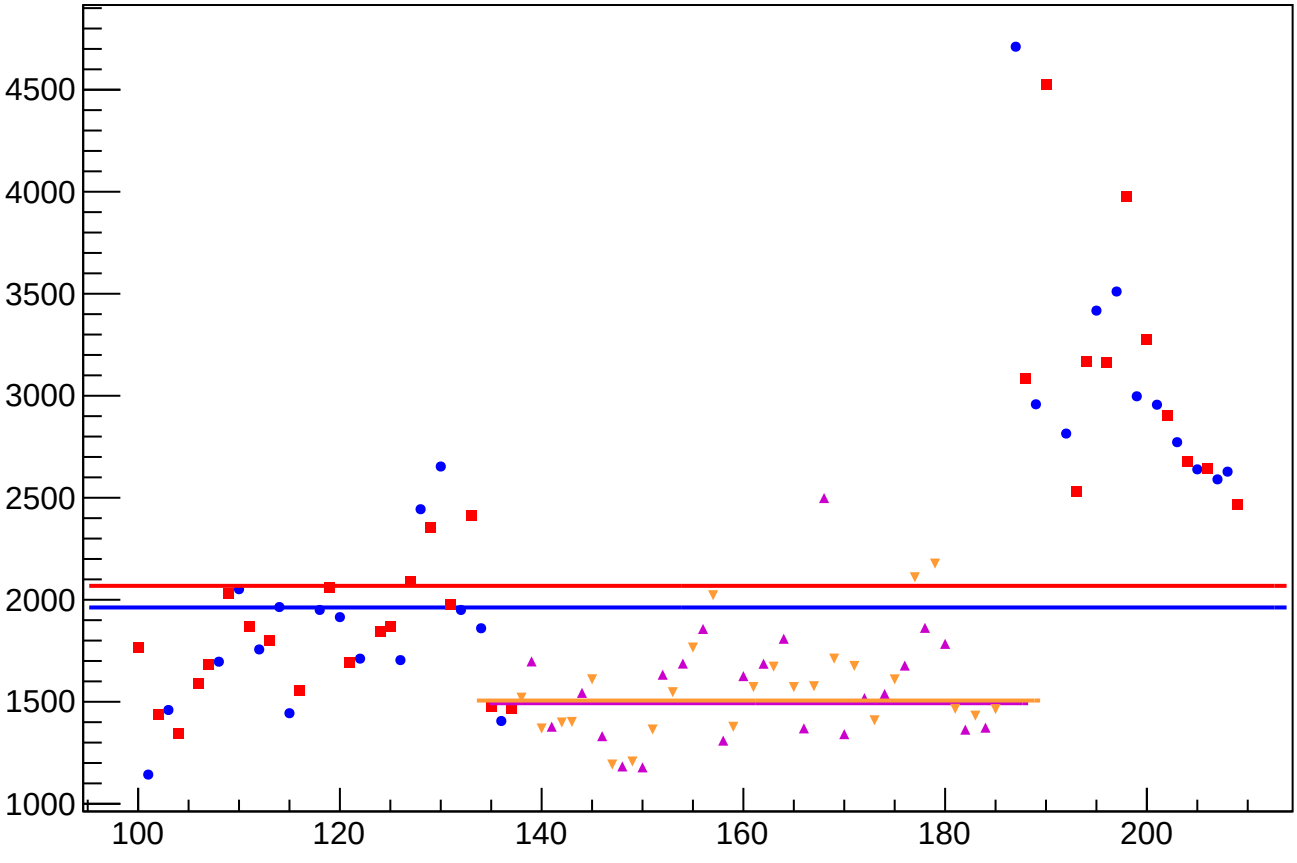
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 525.473+/-290.208 χ^2/NDF: 55.8/51

All: 455.458+/-207.047 χ^2/NDF: 94.7/104

- sign 382.876+/-295.481 χ^2/NDF: 38.7/52

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1962.296+/-0.372 χ^2/NDF: 3100024.3/26

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

Right Out: 2068.229+/-0.378 χ^2/NDF: 2874903.9/29

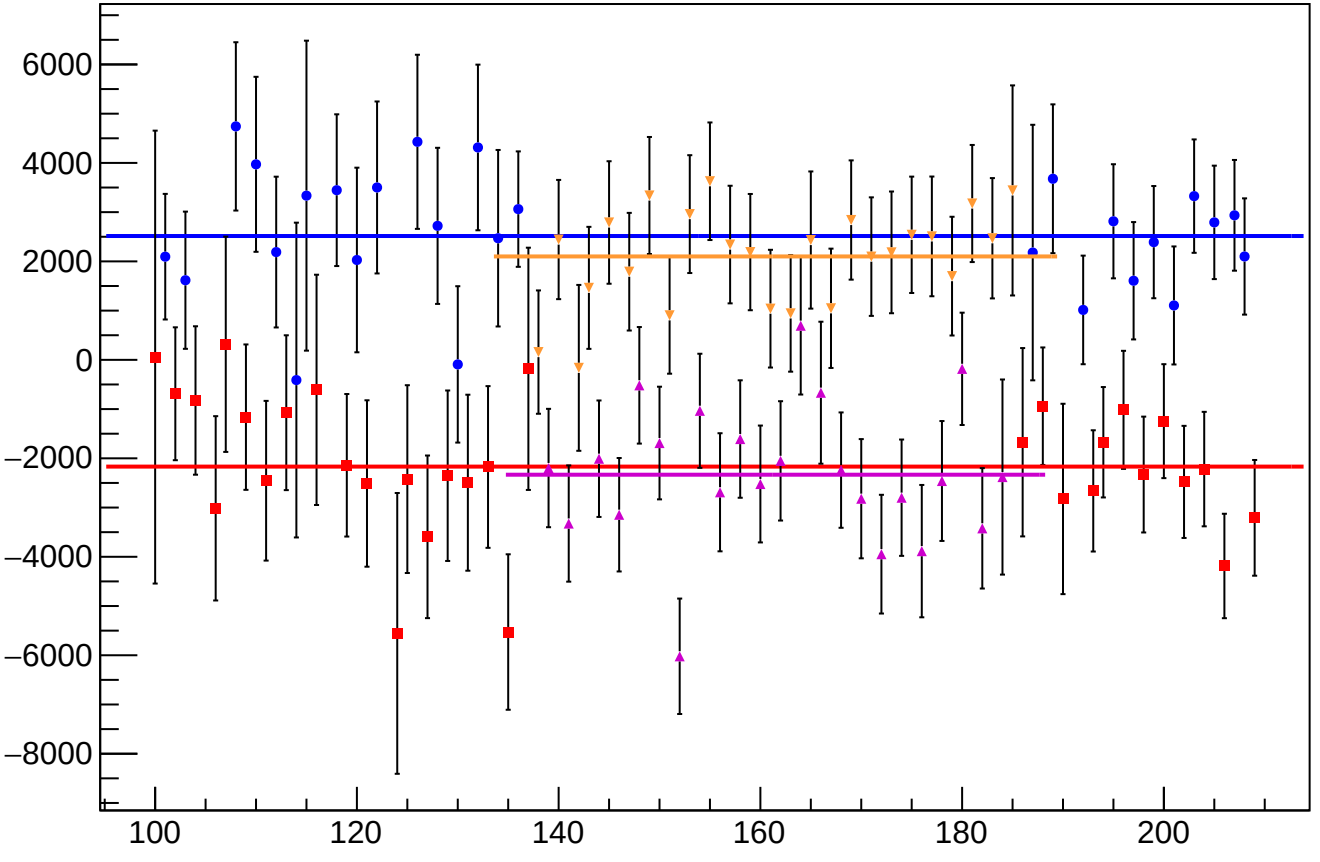
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1644.698+/-0.205 χ^2/NDF: 4941714.8/51

All: 1656.466+/-0.146 χ^2/NDF: 10395738.3/1

- sign 1668.666+/-0.209 χ^2/NDF: 5447325.7/52

eigen_cor_asym_usr_mean vs Slug



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2168.121+/-266.115 χ^2/NDF: 20.2/30

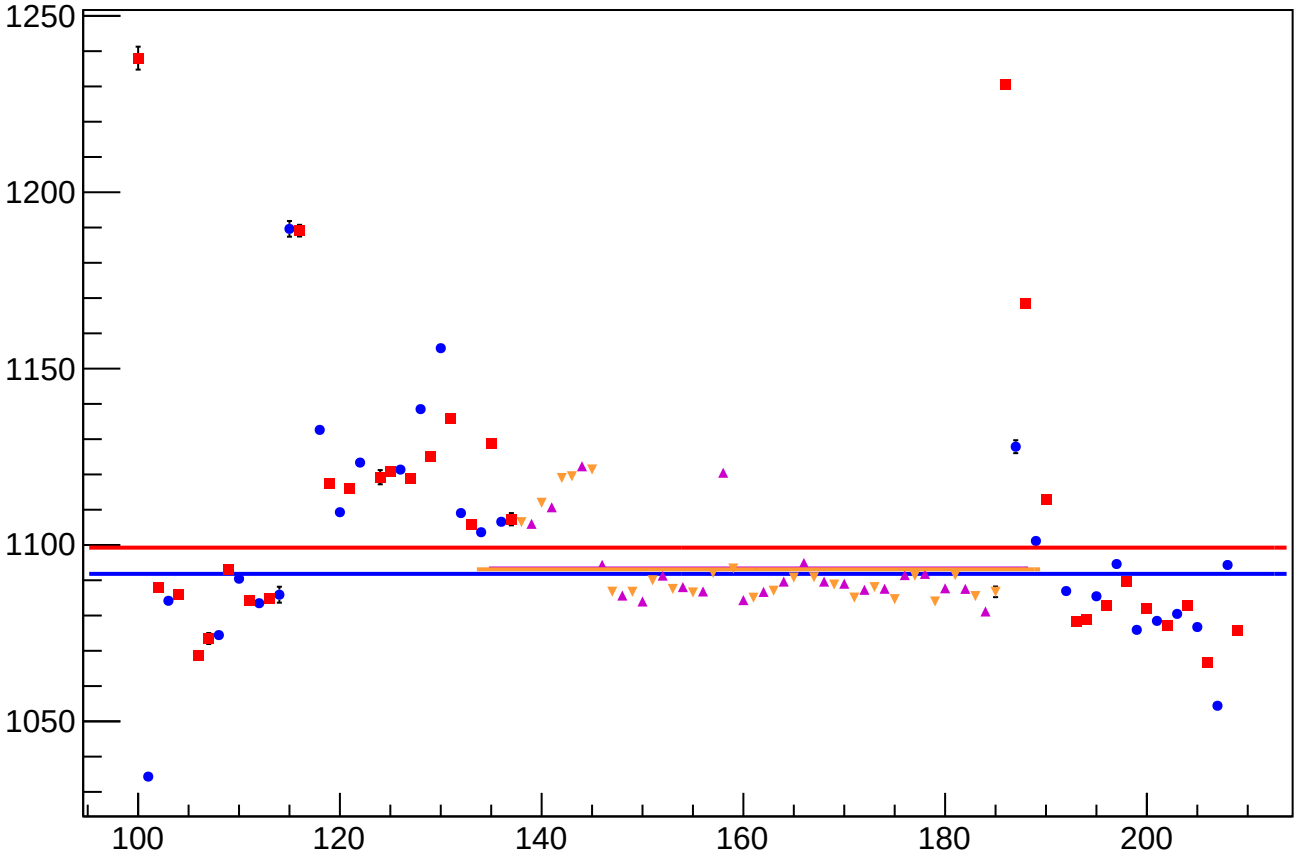
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2287.274+/-184.079 χ^2/NDF: 30.2/51

All: 18.430+/-130.215 χ^2/NDF: 384.2/105

- sign -2253.960+/-184.223 χ^2/NDF: 49.9/53

eigen_cor_asym_usr_rms vs Slug



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1099.250+/-0.188 χ^2/NDF: 31723.3/30

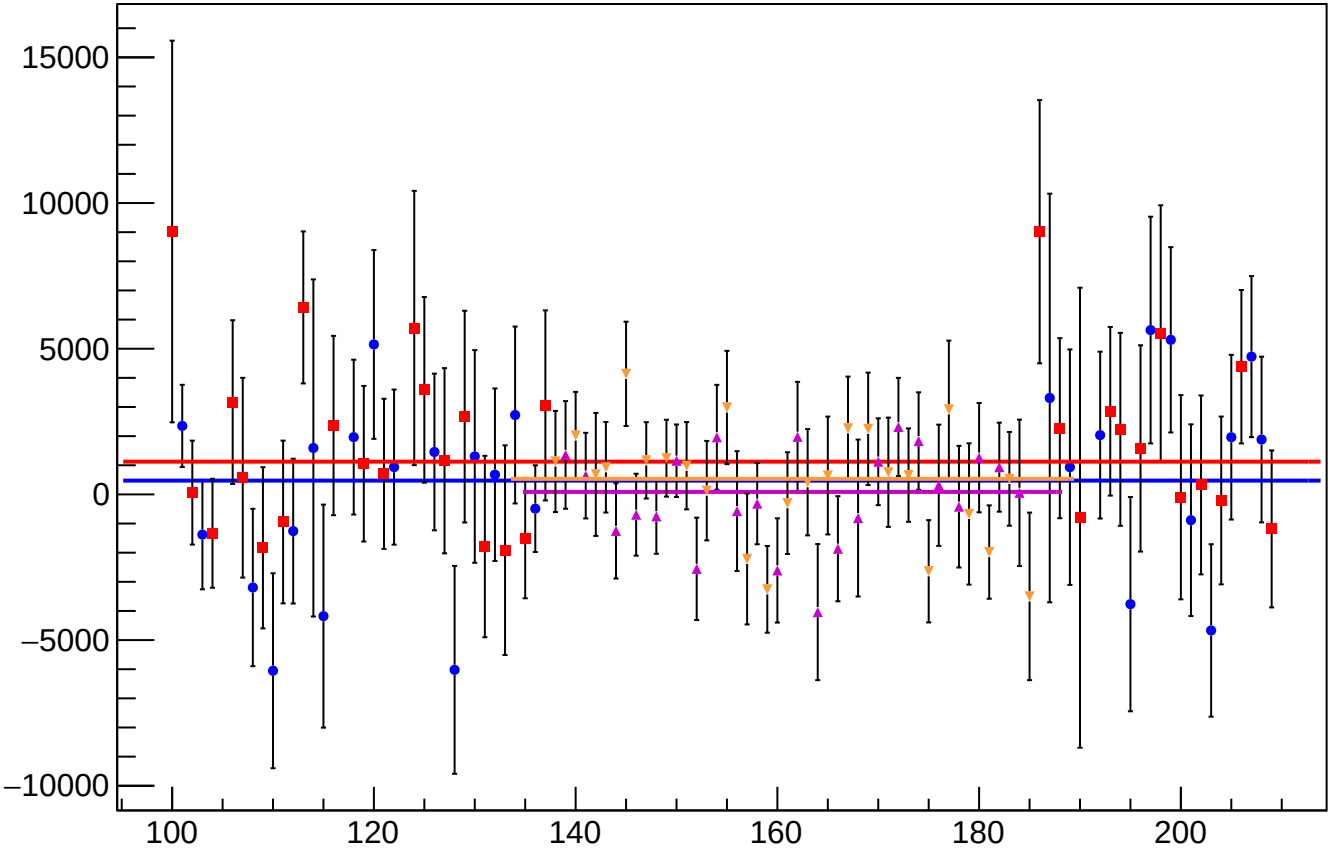
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1092.522+/-0.130 χ^2/NDF: 22682.8/51

All: 1094.345+/-0.092 χ^2/NDF: 59038.7/105

- sign 1096.172+/-0.130 χ^2/NDF: 35963.1/53

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1124.174+/-529.478 χ^2/NDF: 22.8/30

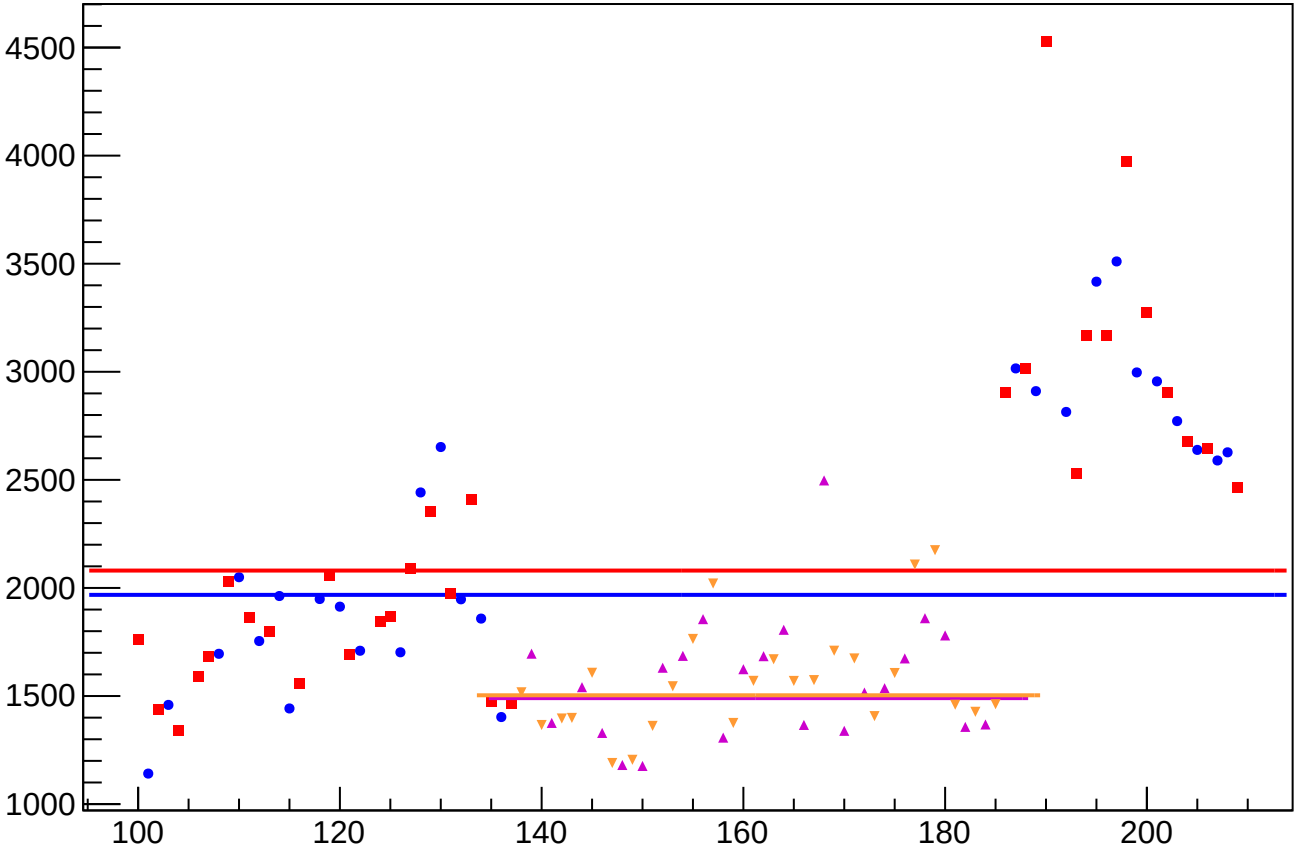
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 514.755+/-289.390 χ^2/NDF: 55.7/51

All: 461.362+/-206.325 χ^2/NDF: 99.3/105

\- sign 406.162+/-294.247 χ^2/NDF: 43.5/53

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2080.431+/-0.374 χ^2/NDF: 2954820.6/30

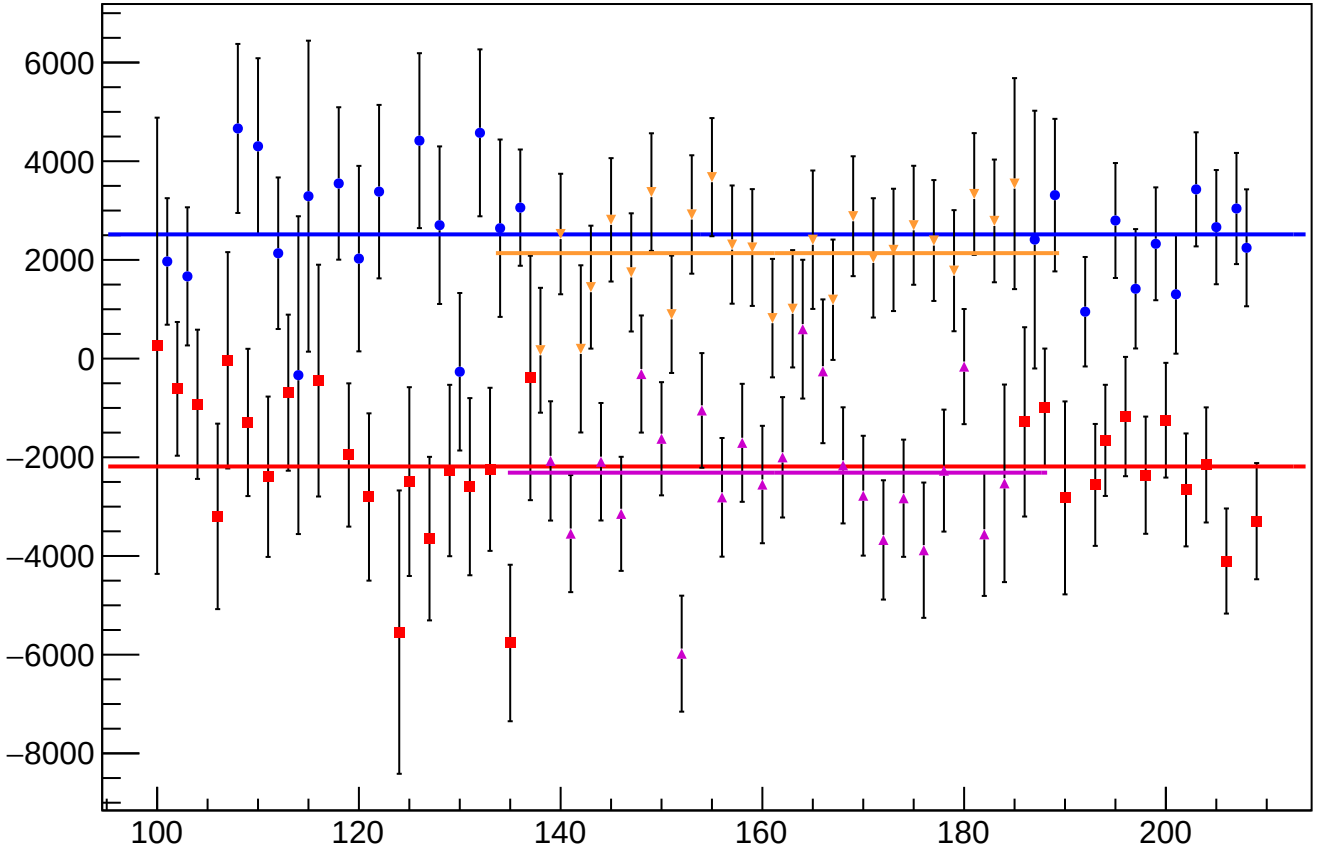
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1645.299+/-0.205 χ^2/NDF: 5049599.5/51

All: 1658.704+/-0.146 χ^2/NDF: 10698448.3/1

- sign 1672.564+/-0.208 χ^2/NDF: 5640120.3/53

dit_asym_usr_mean vs Slug



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2186.289+/-267.381 χ^2/NDF: 20.7/30

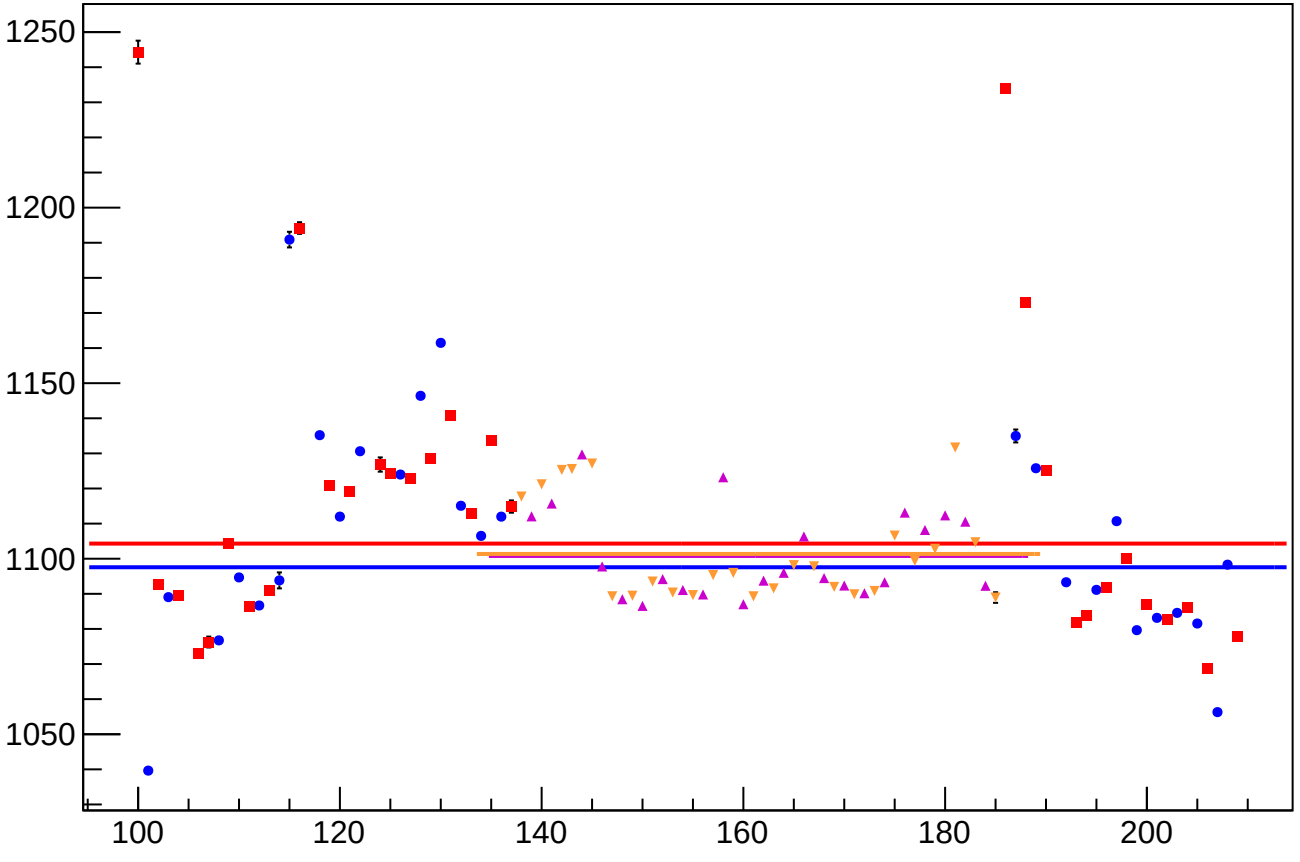
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2308.753+/-185.291 χ^2/NDF: 30.8/51

All: 28.755+/-131.024 χ^2/NDF: 384.4/105

- sign -2251.499+/-185.301 χ^2/NDF: 50.7/53

dit_asym_usr_rms vs Slug



Right In: 1097.569+/-0.195 χ^2/NDF: 19913.1/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1104.306+/-0.189 χ^2/NDF: 31767.3/30

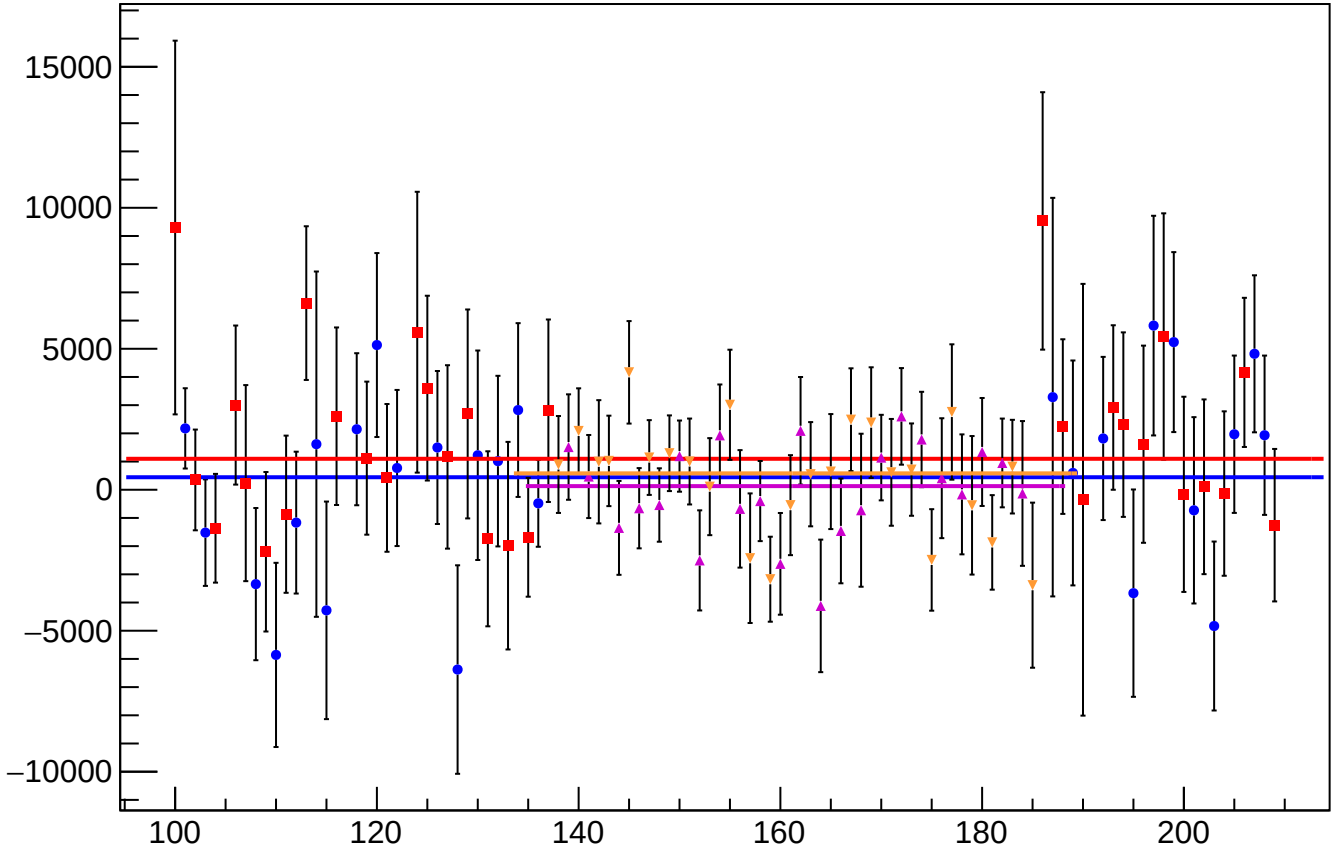
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1099.645+/-0.131 χ^2/NDF: 26070.3/51

All: 1101.062+/-0.093 χ^2/NDF: 62893.0/105

- sign 1102.480+/-0.131 χ^2/NDF: 36588.6/53

asym_usr_dit_correction_mean vs Slug



Right In: 443.652+/-529.913 χ^2/NDF: 29.3/26

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1098.128+/-535.874 χ^2/NDF: 22.9/30

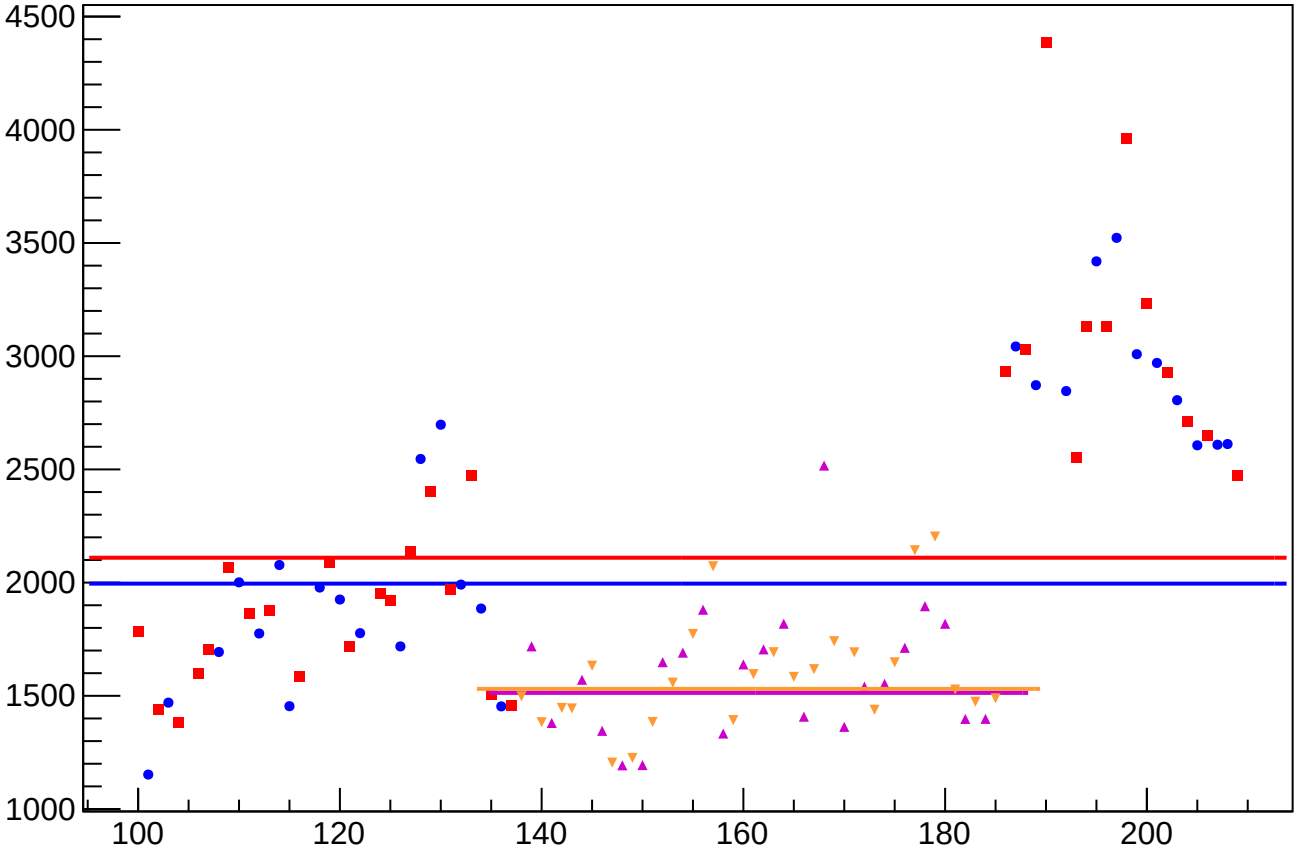
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 539.016+/-294.008 χ^2/NDF: 54.8/51

All: 484.911+/-209.406 χ^2/NDF: 97.9/105

- sign 429.204+/-298.329 χ^2/NDF: 43.0/53

asym_usr_dit_correction_rms vs Slug



Right In: 1995.536+/-0.375 χ^2/NDF: 3067234.5/26

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2109.977+/-0.379 χ^2/NDF: 2829738.1/30

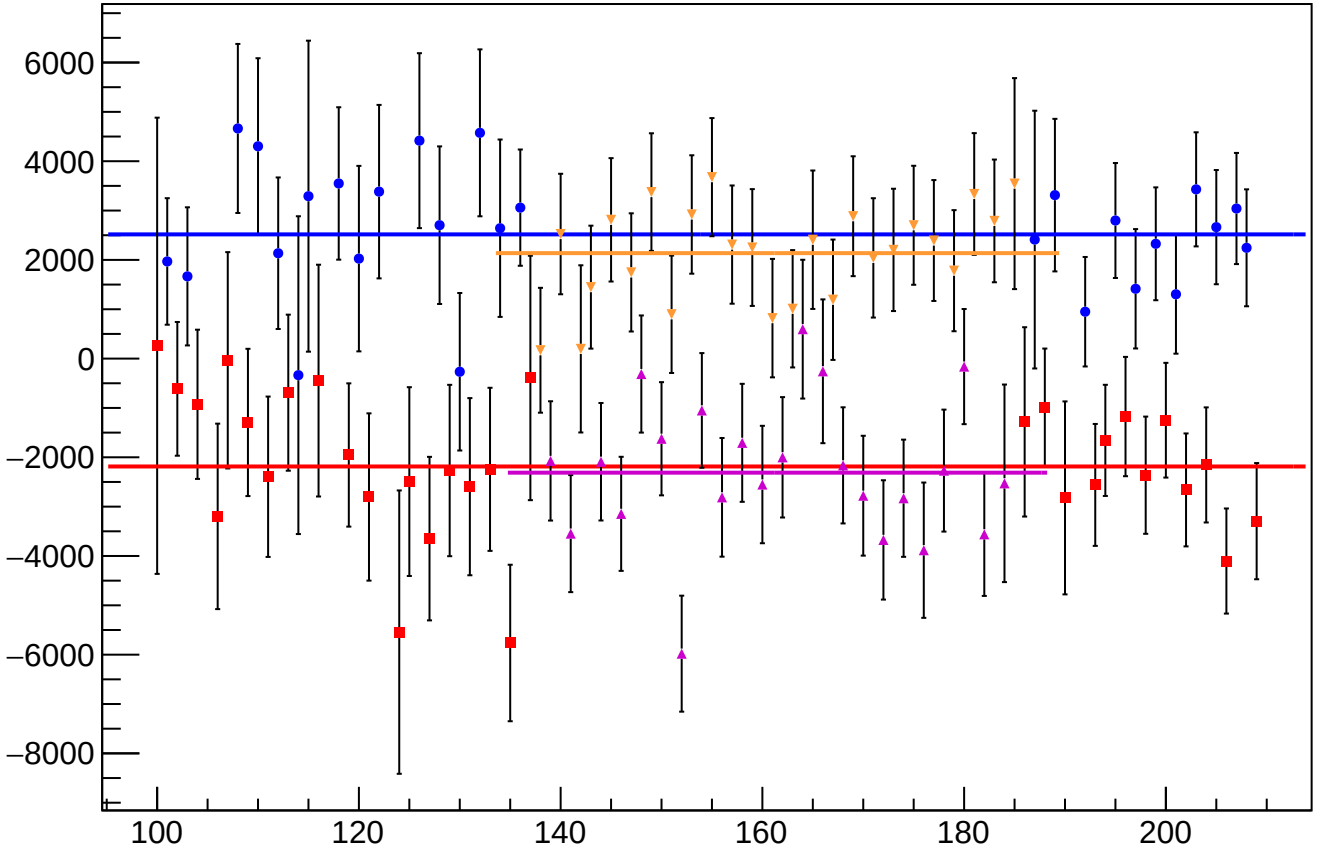
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1673.835+/-0.208 χ^2/NDF: 4927780.0/51

All: 1685.734+/-0.148 χ^2/NDF: 10434350.0/1

- sign 1697.985+/-0.211 χ^2/NDF: 5499921.0/53

eigen_dit_asym_usr_mean vs Slug



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2186.287+/-267.380 χ^2/NDF: 20.7/30

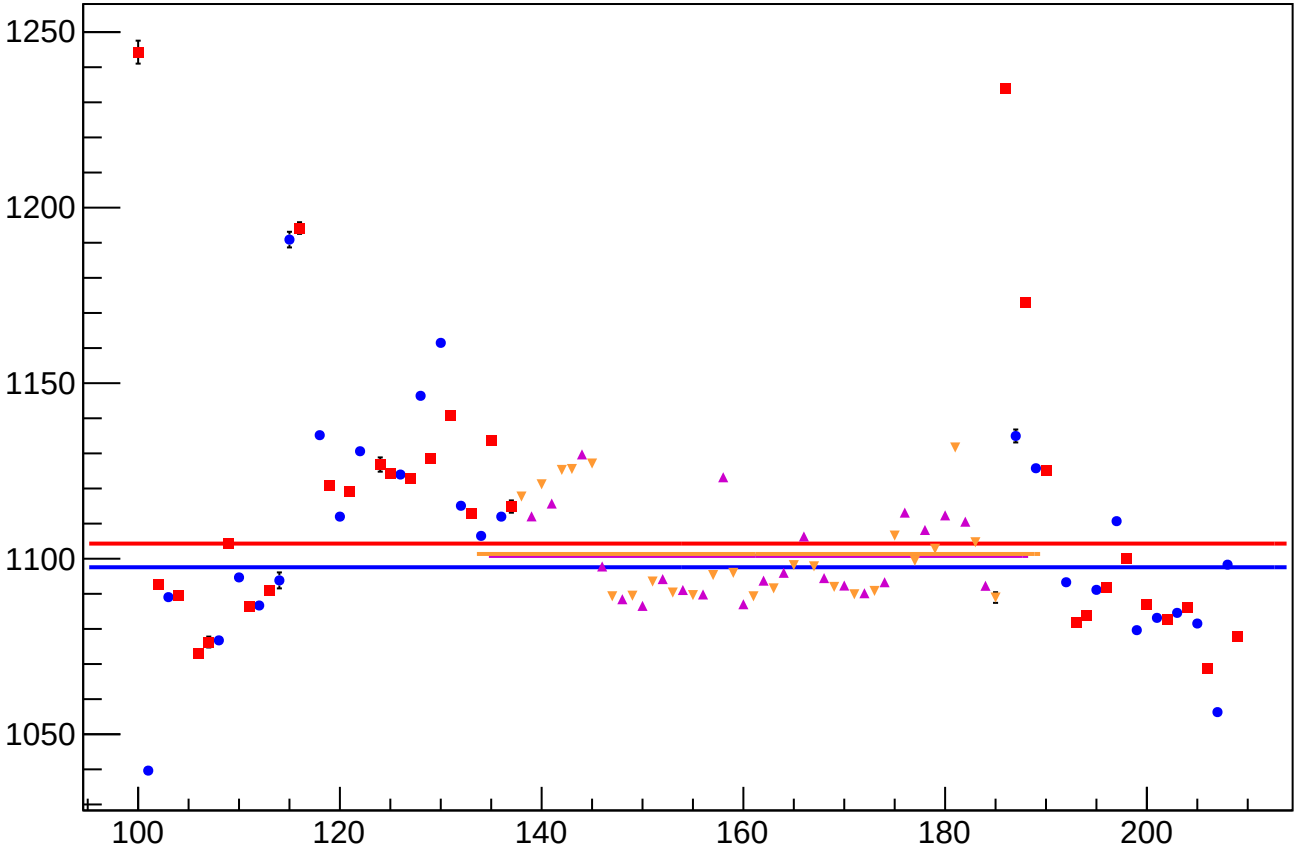
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2308.752+/-185.291 χ^2/NDF: 30.8/51

All: 28.755+/-131.024 χ^2/NDF: 384.4/105

- sign -2251.498+/-185.301 χ^2/NDF: 50.7/53

eigen_dit_asym_usr_rms vs Slug



Right In: 1097.569+/-0.195 χ^2/NDF: 19912.9/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1104.306+/-0.189 χ^2/NDF: 31767.3/30

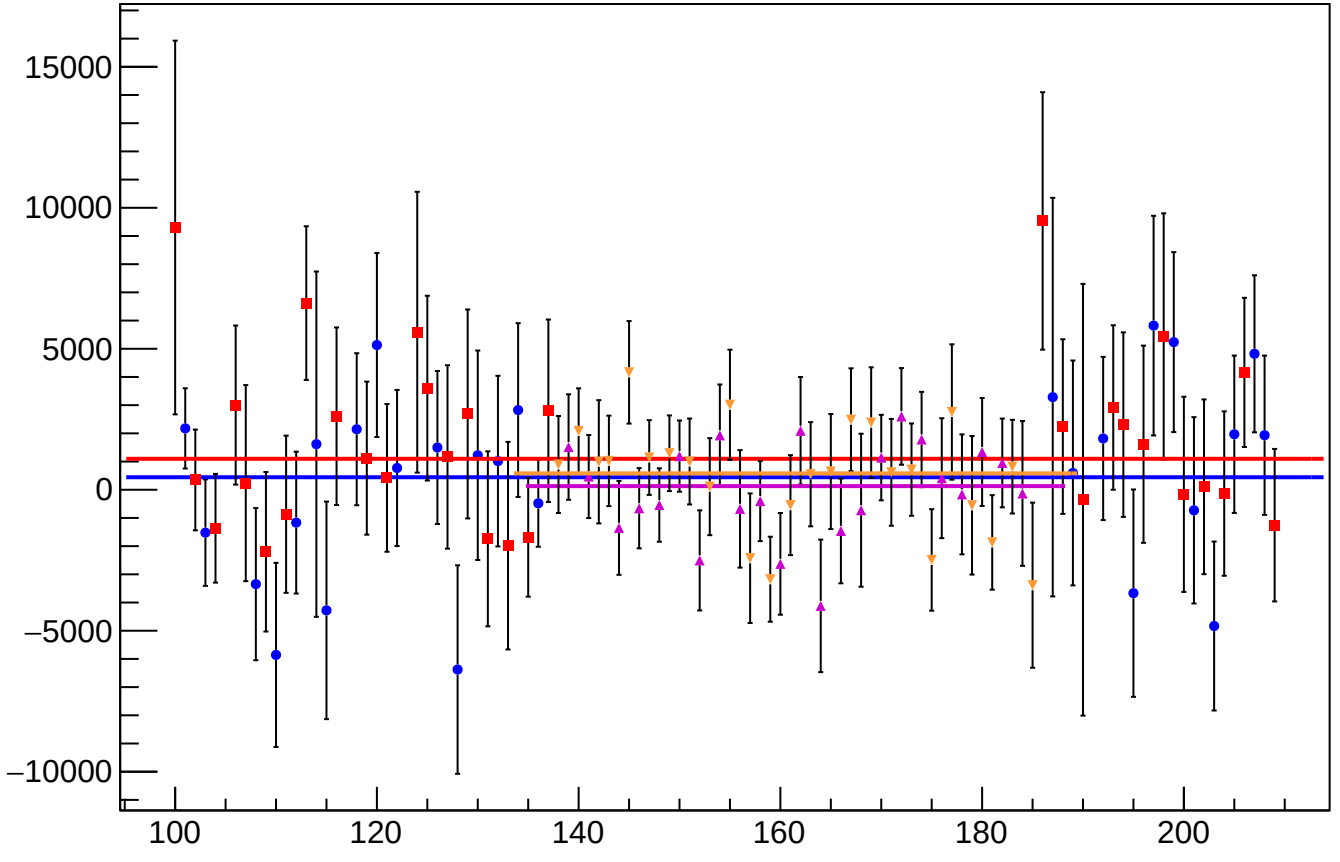
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1099.645+/-0.131 χ^2/NDF: 26070.1/51

All: 1101.062+/-0.093 χ^2/NDF: 62892.8/105

- sign 1102.480+/-0.131 χ^2/NDF: 36588.5/53

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 443.647+/-529.912 χ^2/NDF: 29.3/26

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1098.128+/-535.874 χ^2/NDF: 22.9/30

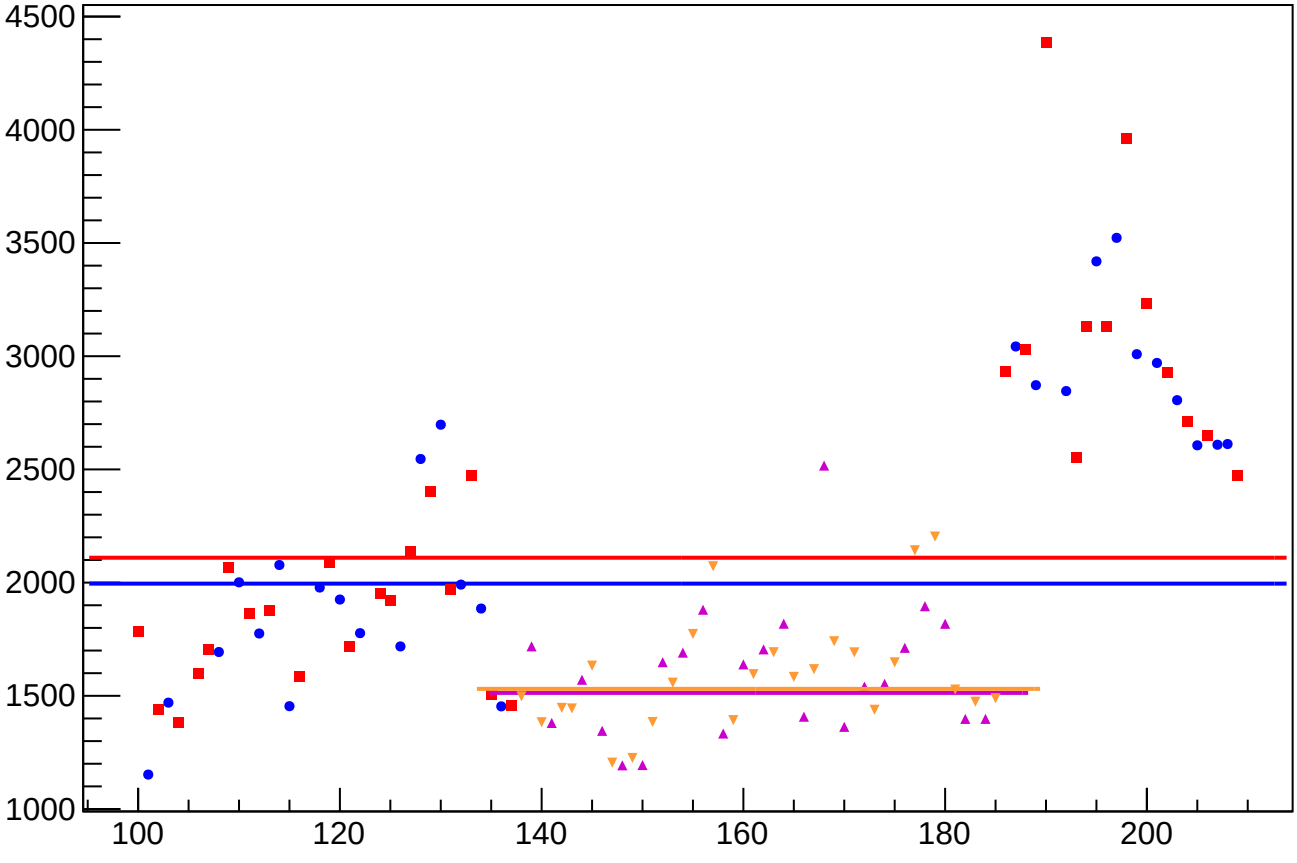
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 539.013+/-294.009 χ^2/NDF: 54.8/51

All: 484.911+/-209.406 χ^2/NDF: 97.9/105

- sign 429.206+/-298.330 χ^2/NDF: 43.0/53

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1995.534+/-0.375 χ^2/NDF: 3067241.8/26

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

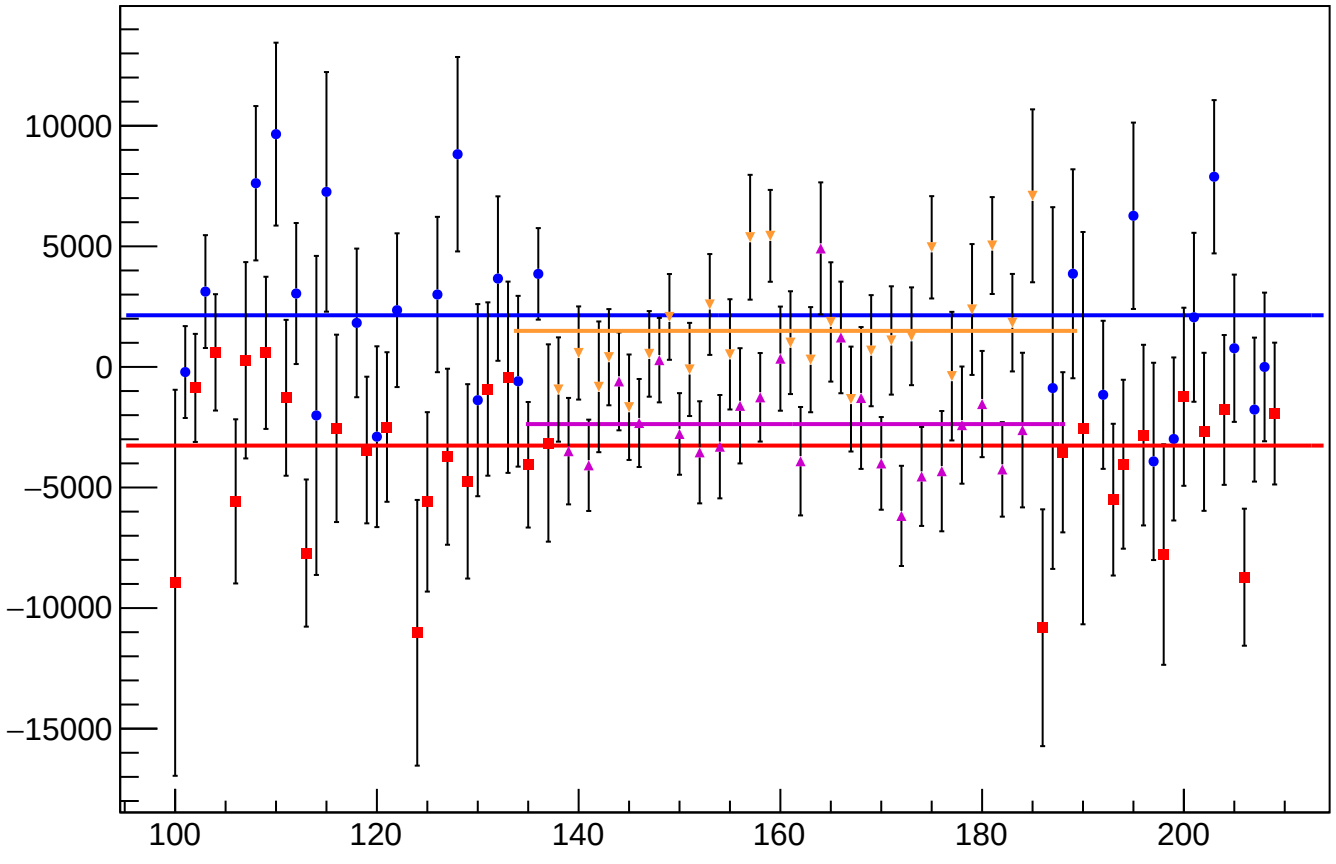
Right Out: 2109.975+/-0.379 χ^2/NDF: 2829736.4/30

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1673.837+/-0.208 χ^2/NDF: 4927764.8/51

All: 1685.737+/-0.148 χ^2/NDF: 10434308.6/1

- sign 1697.988+/-0.211 χ^2/NDF: 5499894.6/53



Right In: 2141.750+/-615.325 χ^2/NDF: 29.9/26

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3261.628+/-612.685 χ^2/NDF: 21.5/30

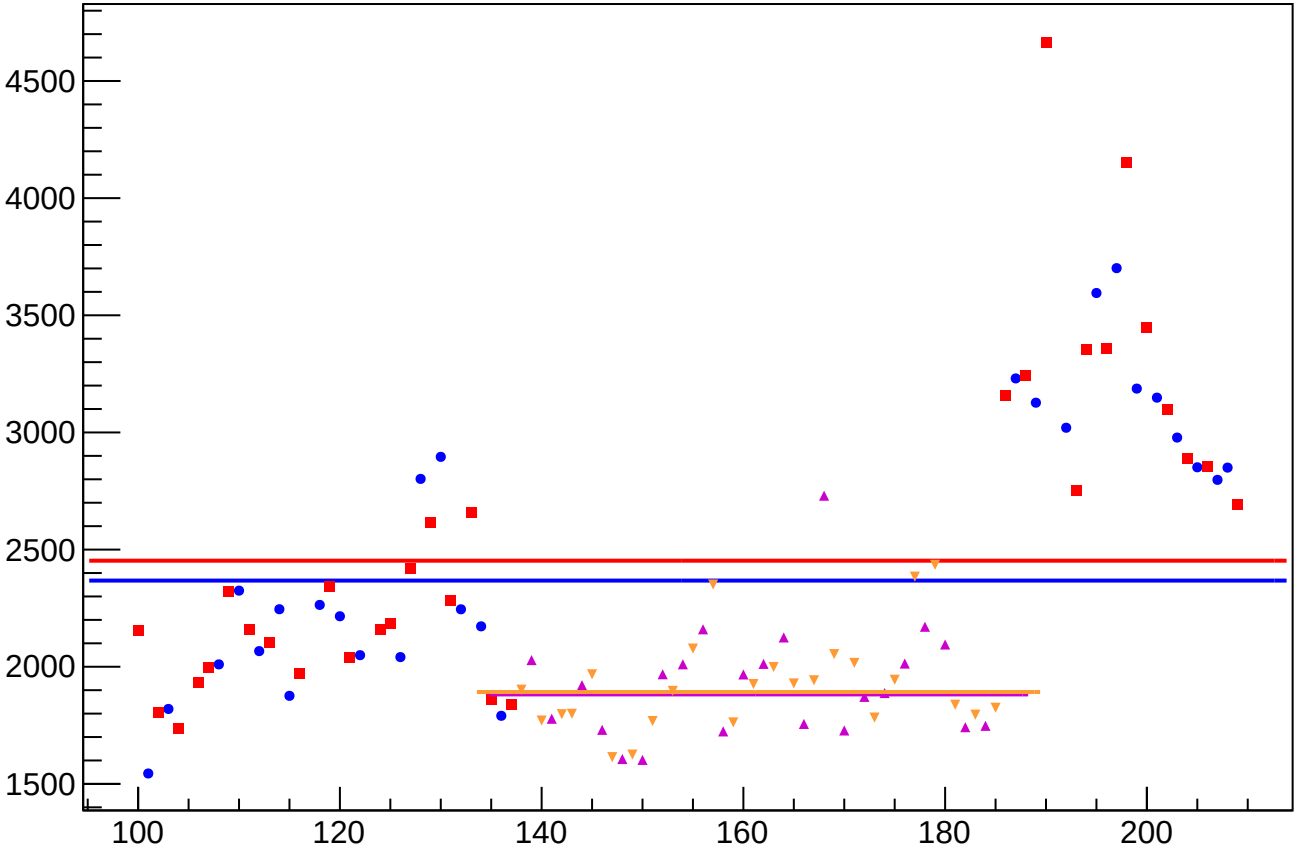
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1709.339+/-354.219 χ^2/NDF: 54.4/51

All: -454.405+/-252.132 χ^2/NDF: 176.6/105

- sign -2676.520+/-358.965 χ^2/NDF: 46.6/53

asym_usr_rms vs Slug



Right In: 2367.756+/-0.435 χ^2/NDF: 1871285.6/26

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

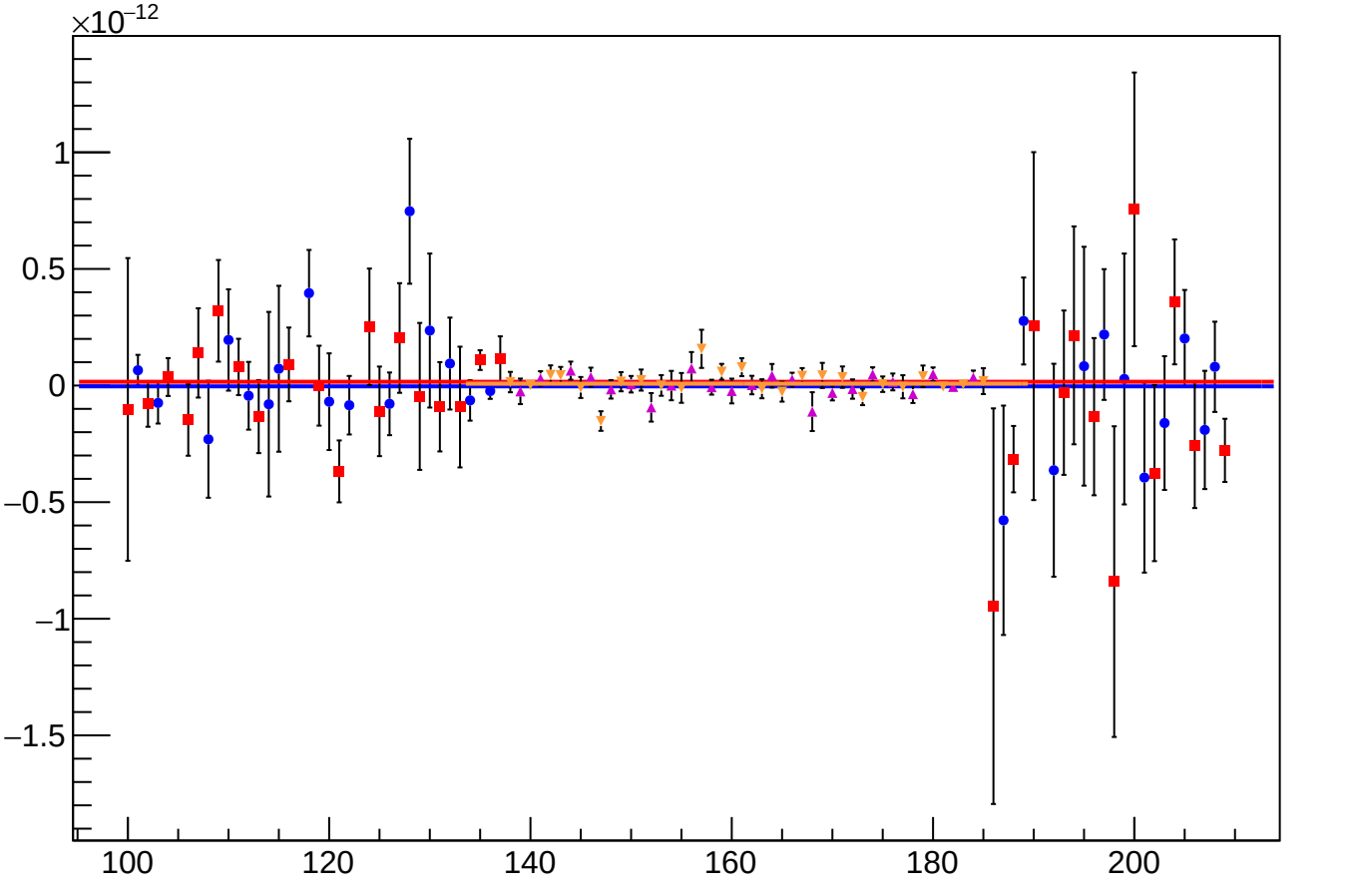
Right Out: 2452.688+/-0.433 χ^2/NDF: 1873588.6/30

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2049.737+/-0.250 χ^2/NDF: 3059940.0/51

All: 2063.595+/-0.178 χ^2/NDF: 6542399.1/10

- sign 2077.826+/-0.254 χ^2/NDF: 3476254.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

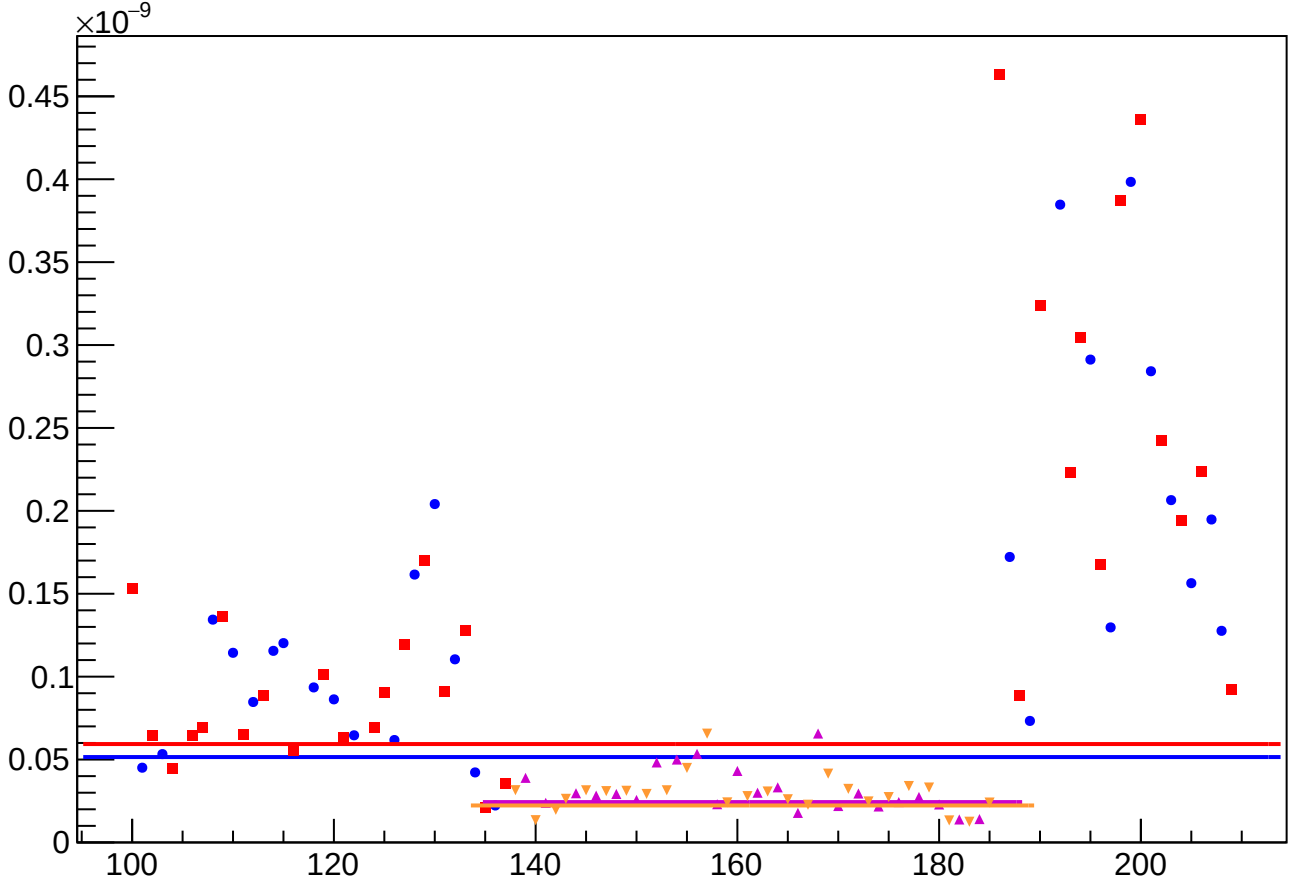
Right Out: 0.000+/-0.000 χ^2/NDF: 41.6/30

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.9/51

All: 0.000+/-0.000 χ^2/NDF: 117.7/105

- sign 0.000+/-0.000 χ^2/NDF: 60.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 8560687.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8064515.7/30

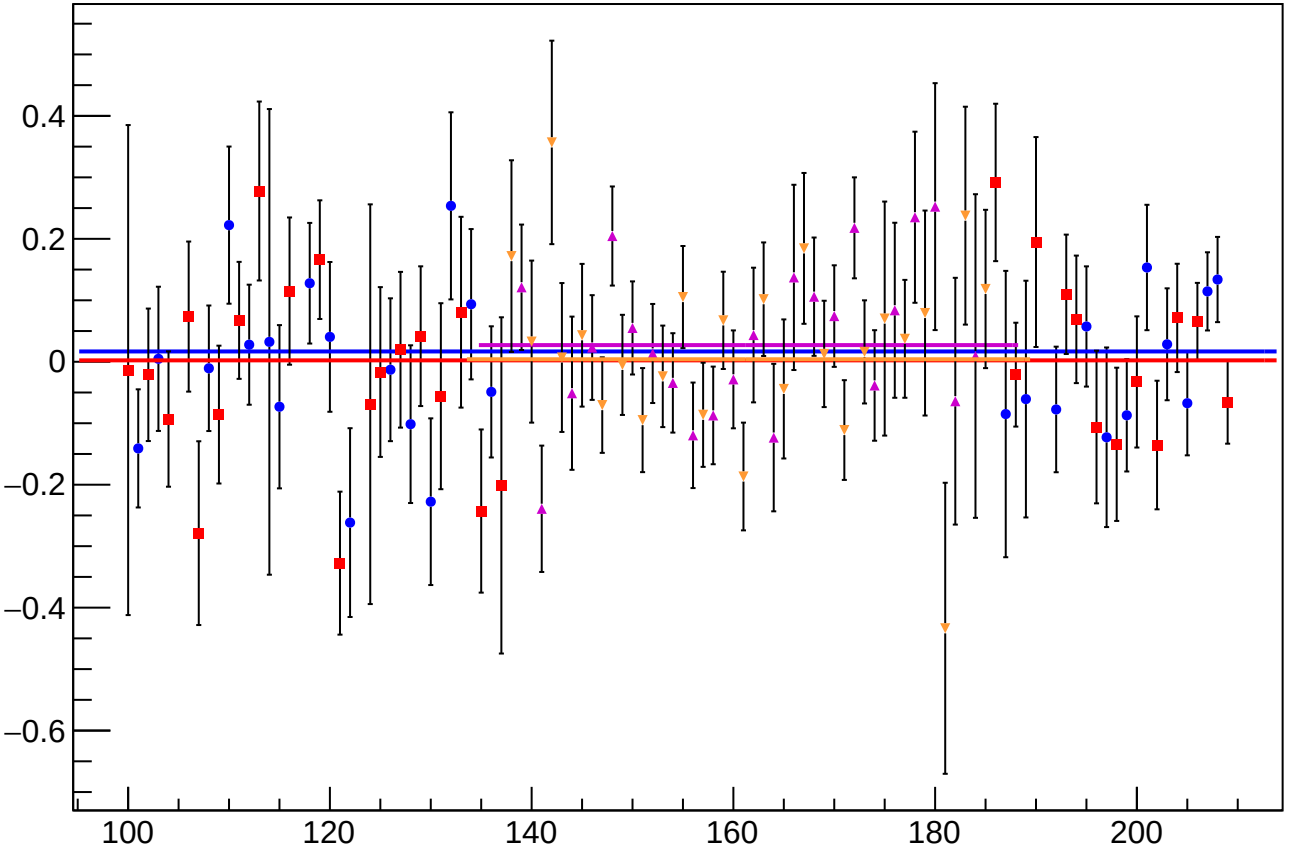
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15070521.4/51

All: 0.000+/-0.000 χ^2/NDF: 29860356.5/105

- sign 0.000+/-0.000 χ^2/NDF: 14659419.1/53

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.020 χ^2/NDF: 40.3/30

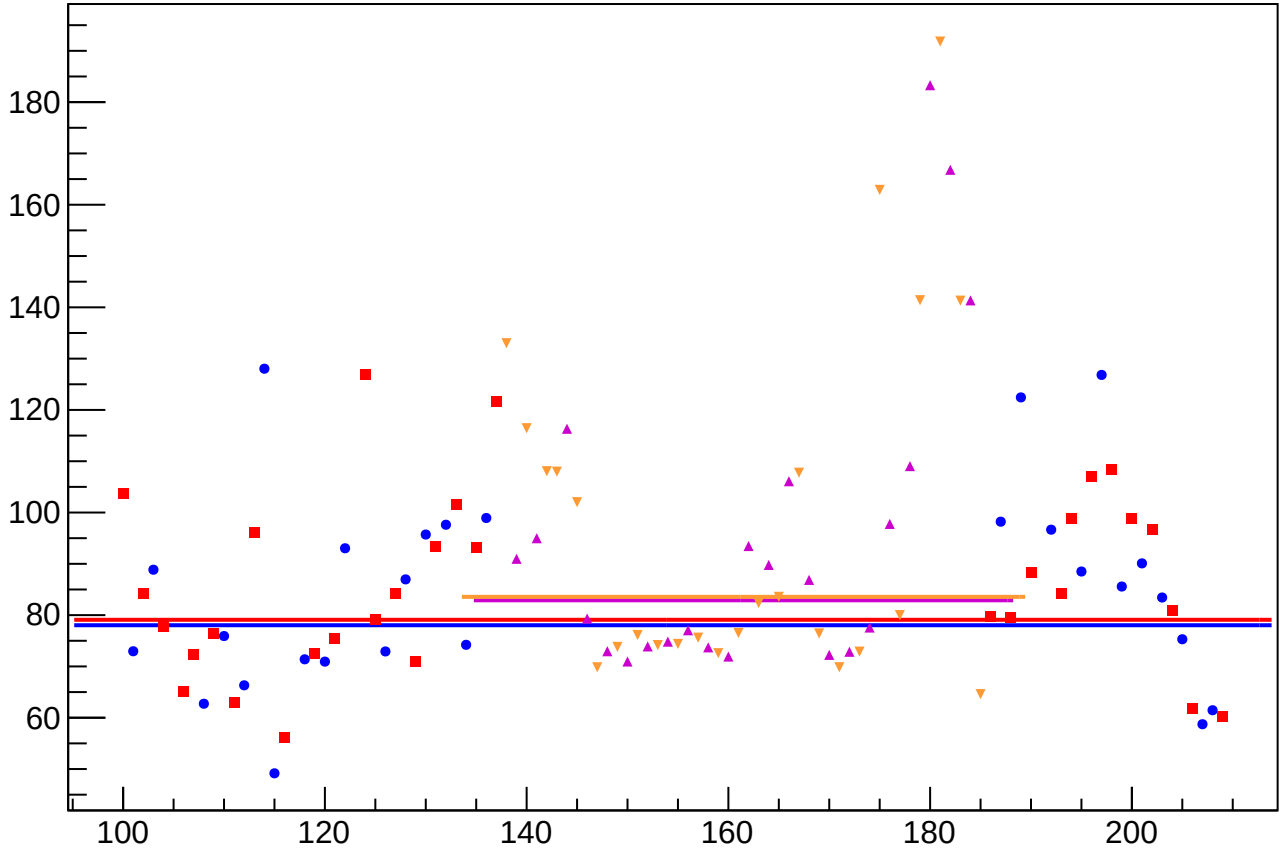
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.012+/-0.010 χ^2/NDF: 130.8/105

- sign 0.014+/-0.014 χ^2/NDF: 73.0/53

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.092+/-0.014 χ^2/NDF: 1131203.6/30

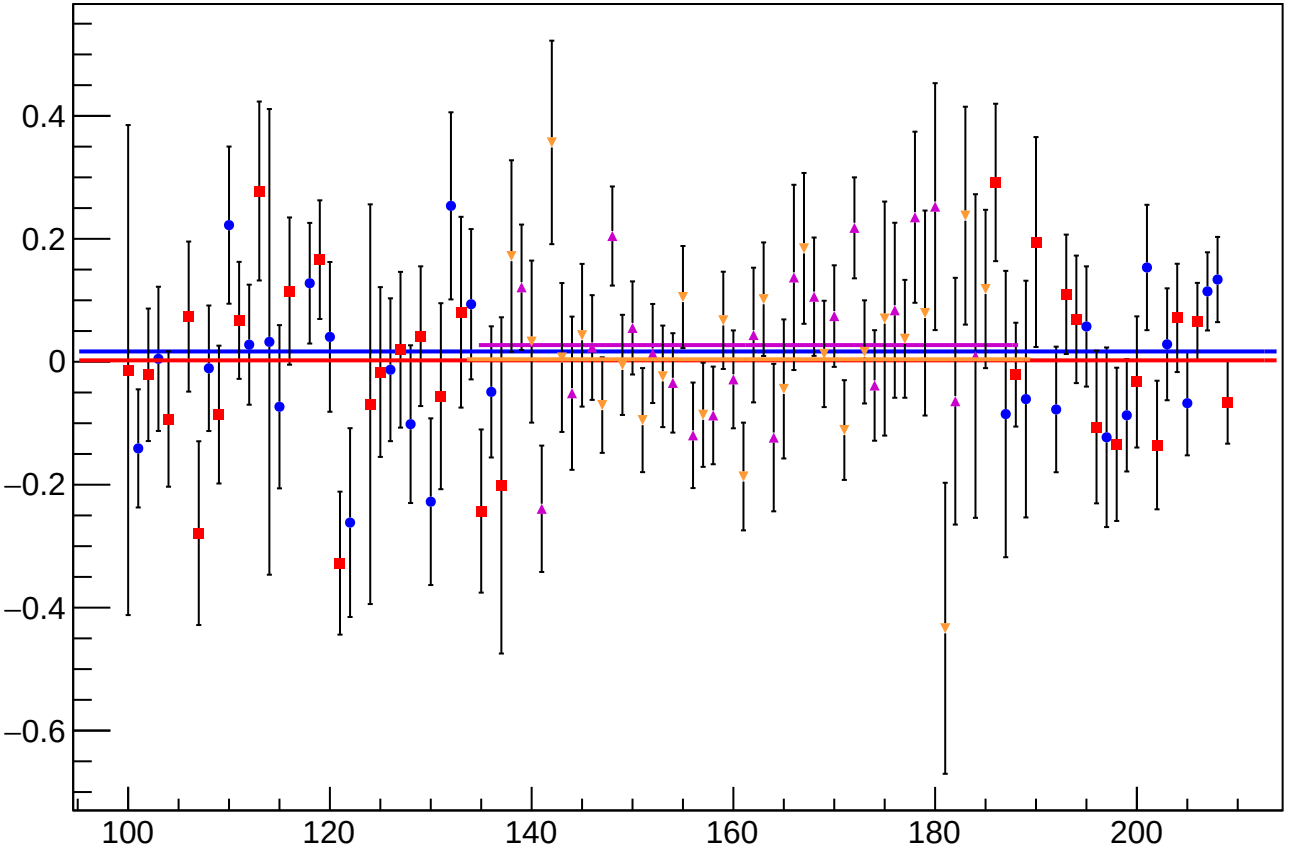
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 80.853+/-0.010 χ^2/NDF: 3449349.0/51

All: 80.901+/-0.007 χ^2/NDF: 6188557.7/105

- sign 80.948+/-0.010 χ^2/NDF: 2739165.2/53

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.020 χ^2/NDF: 40.3/30

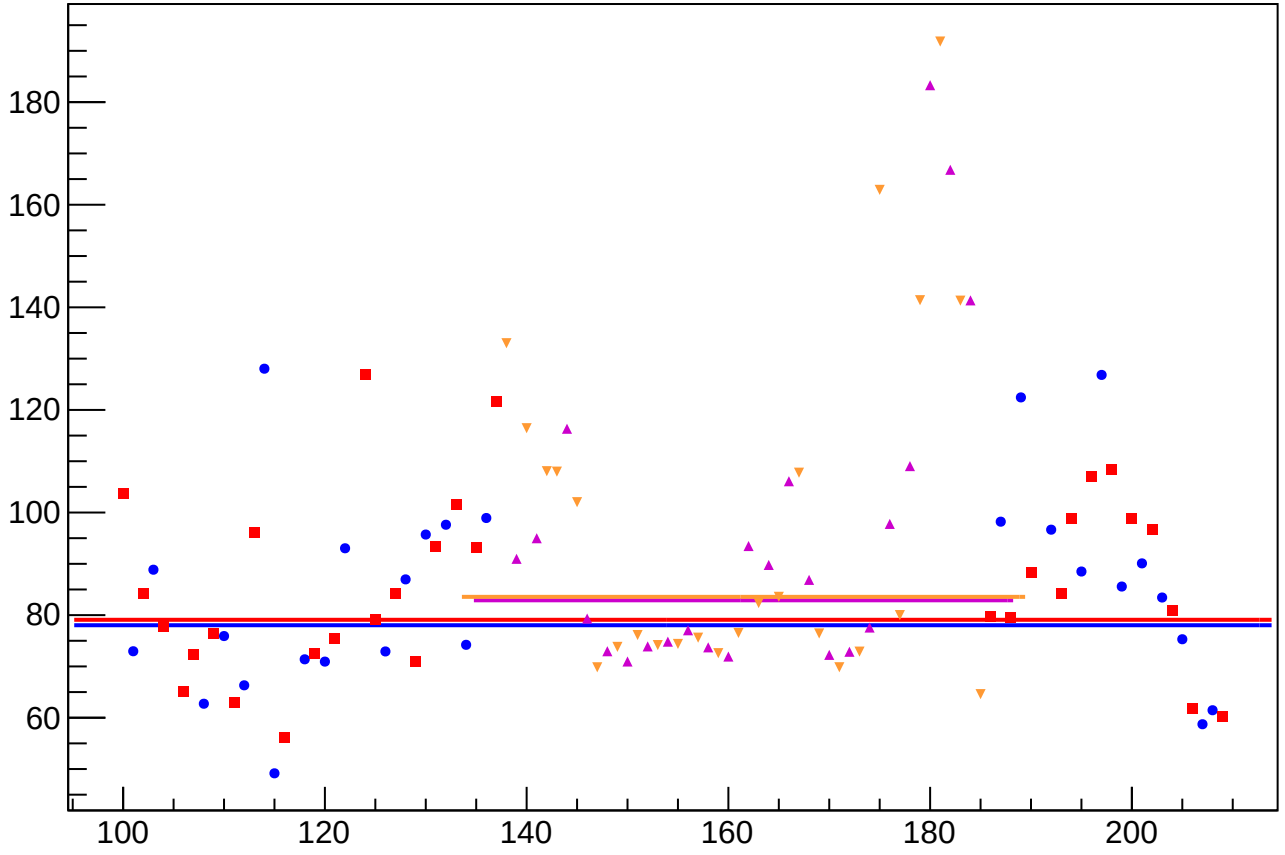
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.012+/-0.010 χ^2/NDF: 130.8/105

- sign 0.014+/-0.014 χ^2/NDF: 73.0/53

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.092+/-0.014 χ^2/NDF: 1131203.6/30

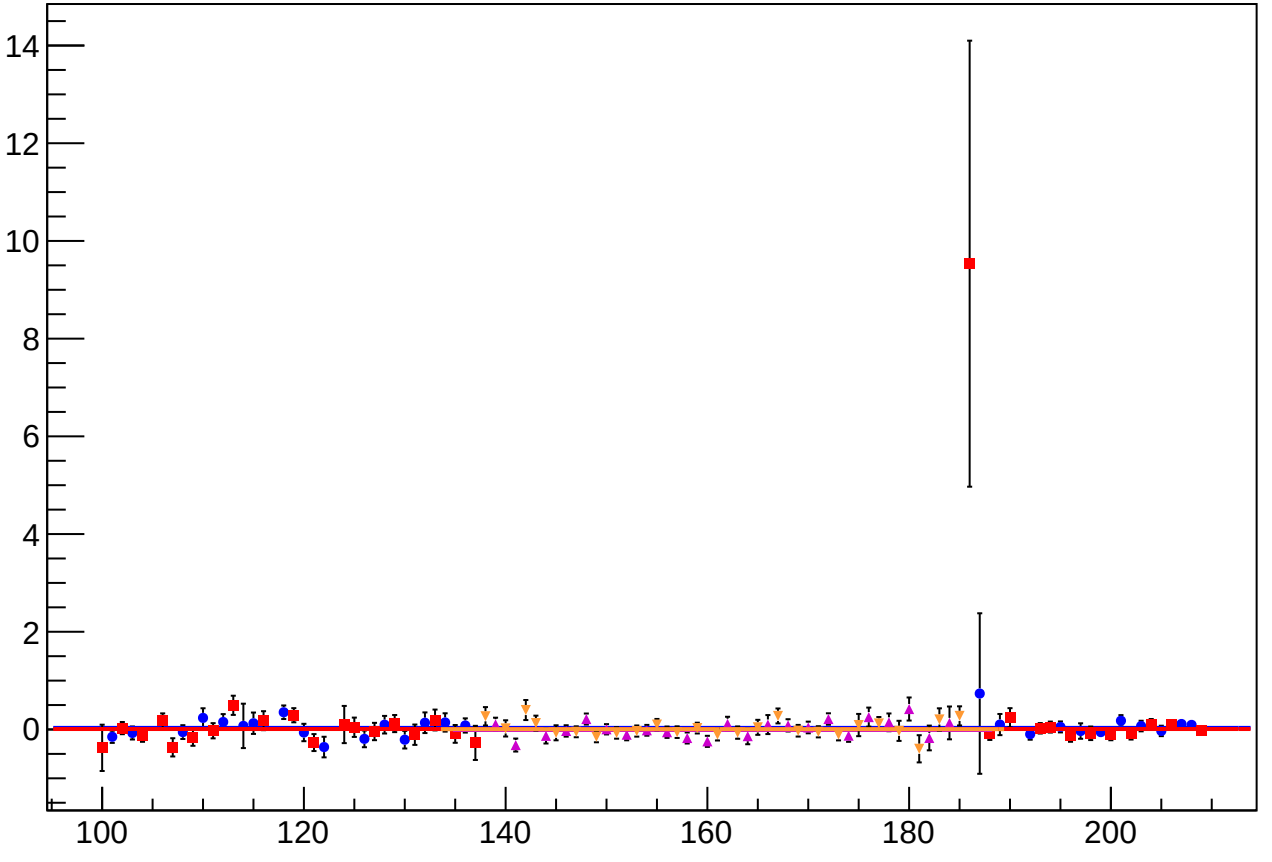
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 80.853+/-0.010 χ^2/NDF: 3449349.0/51

All: 80.901+/-0.007 χ^2/NDF: 6188557.7/105

- sign 80.948+/-0.010 χ^2/NDF: 2739165.2/53

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.009+/-0.026 χ^2/NDF: 35.7/30

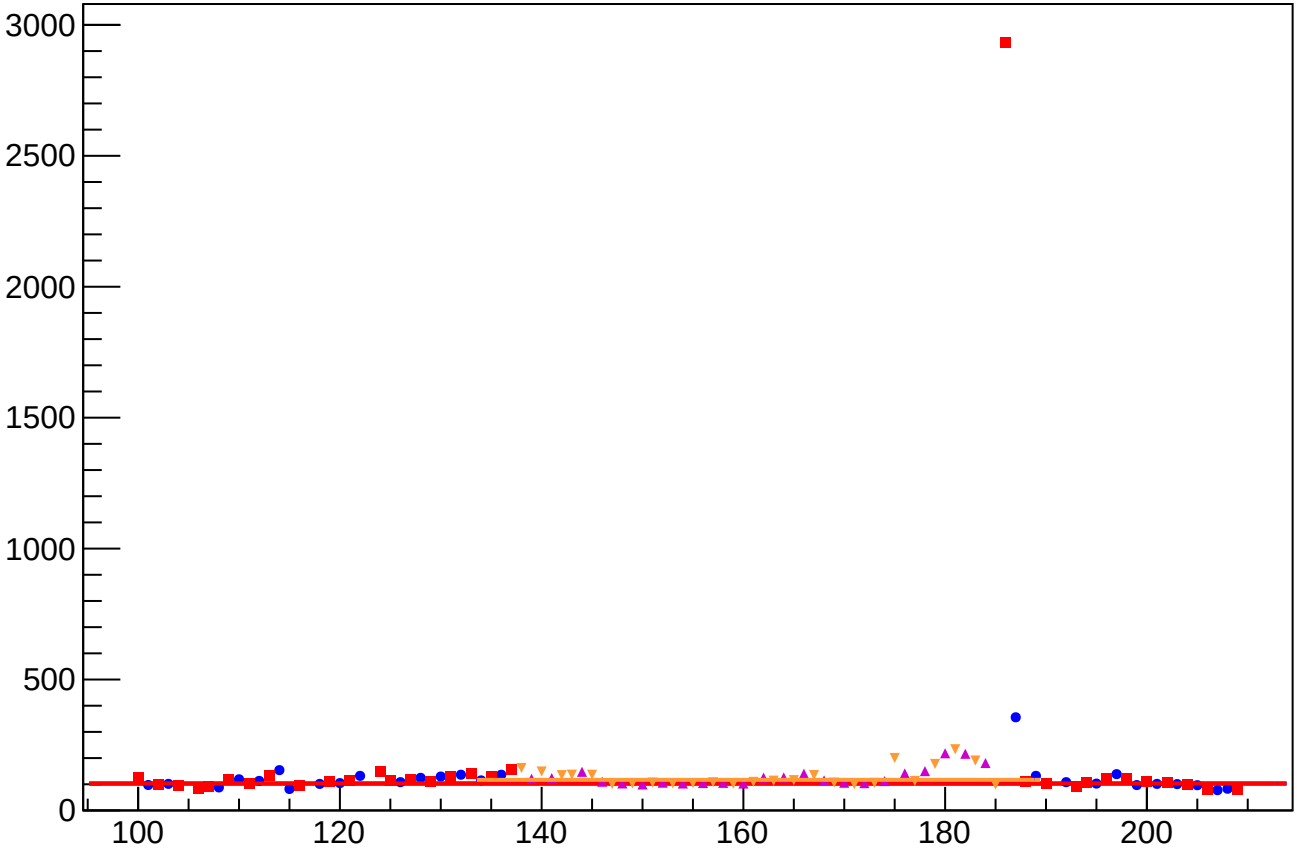
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.020+/-0.019 χ^2/NDF: 46.1/51

All: 0.010+/-0.014 χ^2/NDF: 113.9/105

- sign 0.000+/-0.019 χ^2/NDF: 67.2/53

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 102.530+/-0.019 χ^2/NDF: 851001.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 103.316+/-0.018 χ^2/NDF: 1544094.6/30

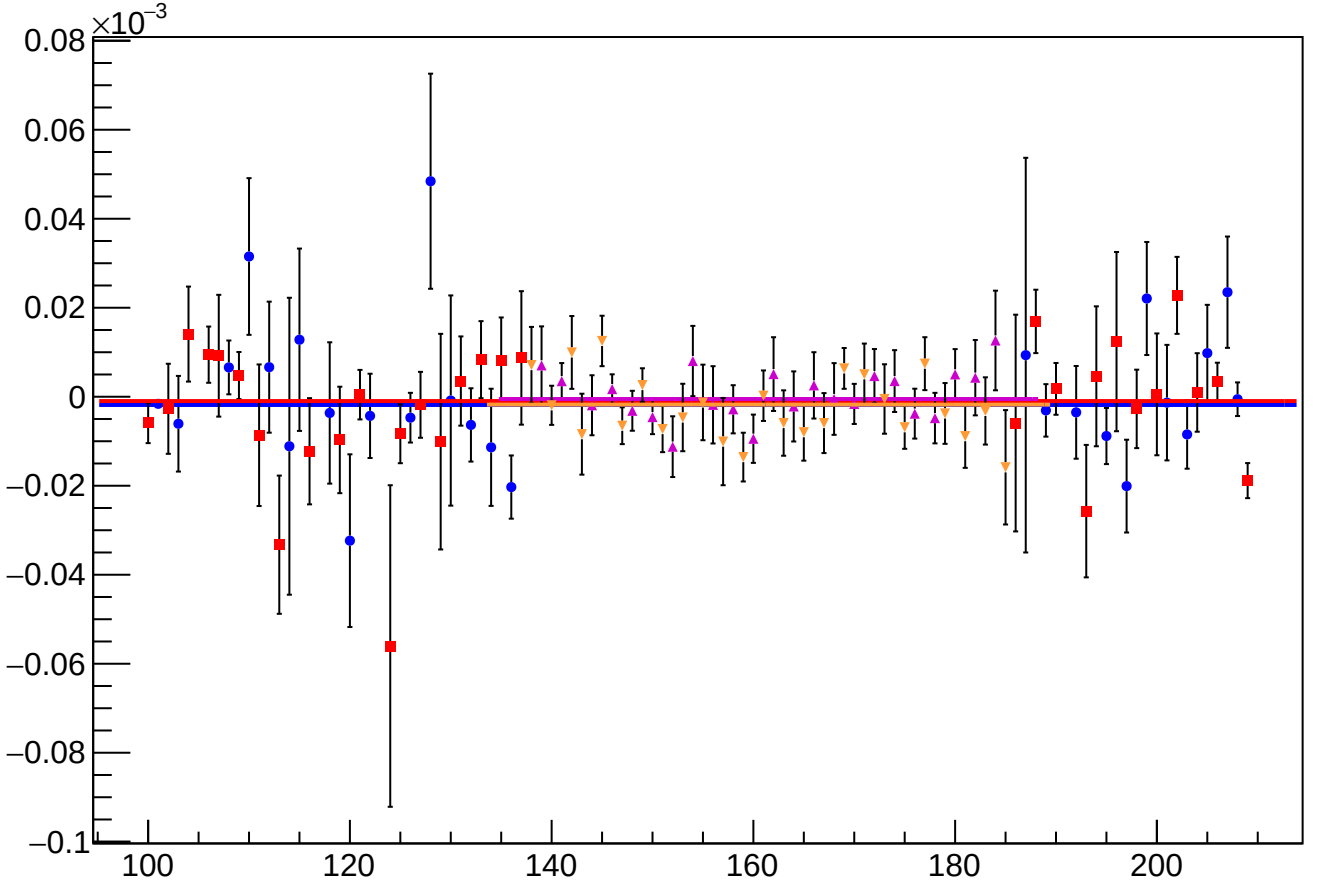
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 109.478+/-0.014 χ^2/NDF: 2723555.4/51

All: 109.299+/-0.010 χ^2/NDF: 5712345.3/105

- sign 109.123+/-0.014 χ^2/NDF: 2988449.2/53

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.3/30

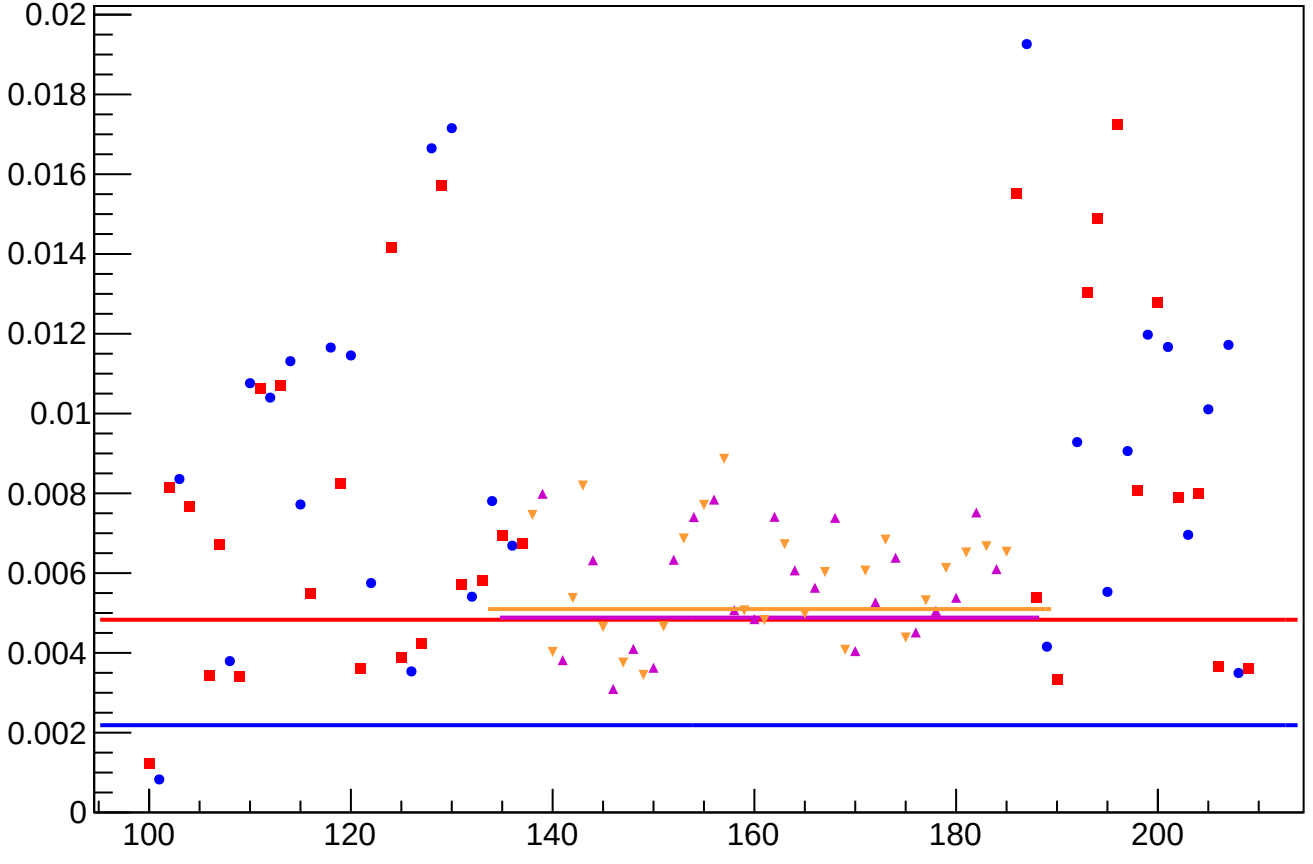
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/51

All: -0.000+/-0.000 χ^2/NDF: 142.4/105

- sign -0.000+/-0.000 χ^2/NDF: 75.0/53

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 18504415.1/26

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8000440.8/30

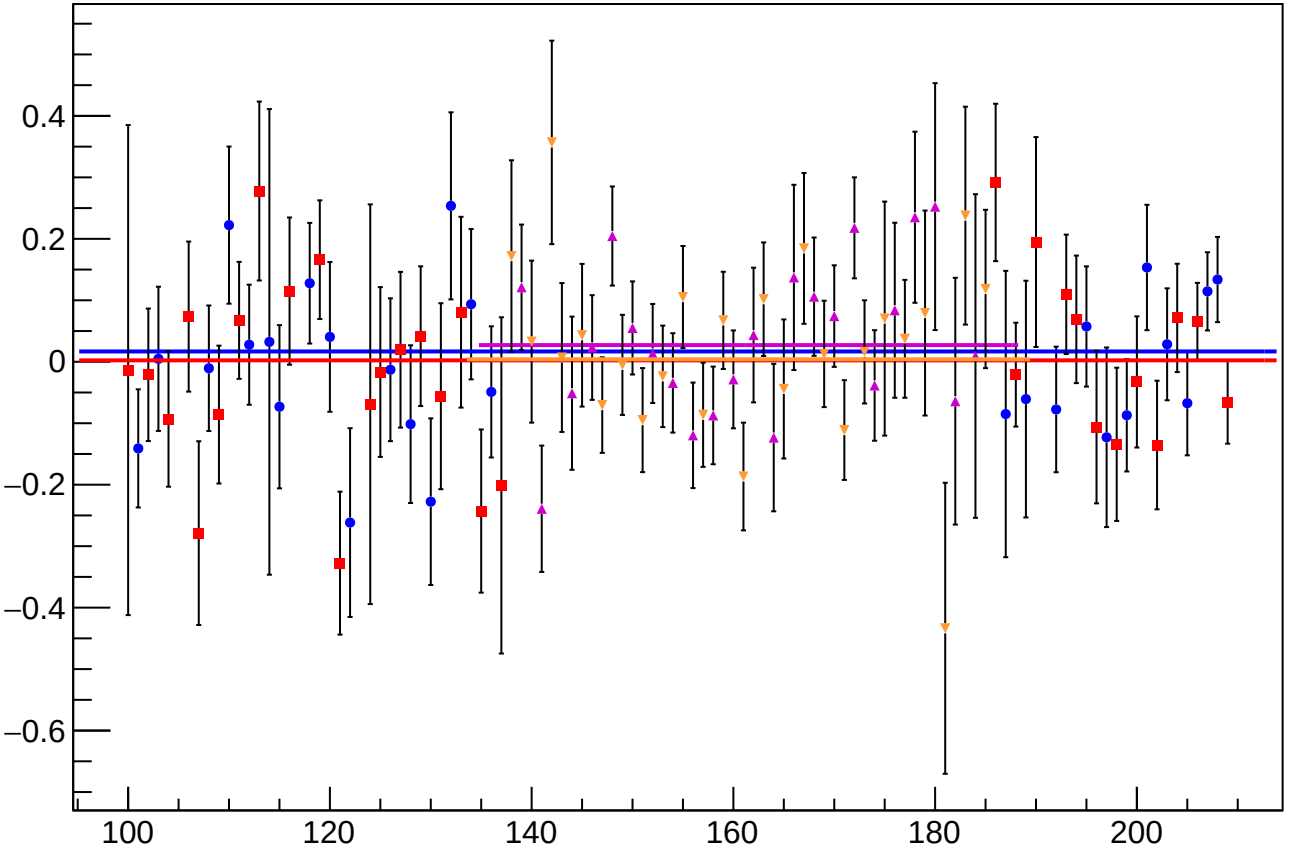
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 28343059.0/51

All: 0.004+/-0.000 χ^2/NDF: 43064410.2/105

- sign 0.005+/-0.000 χ^2/NDF: 10727542.1/53

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.002+/-0.020 χ^2/NDF: 40.3/30

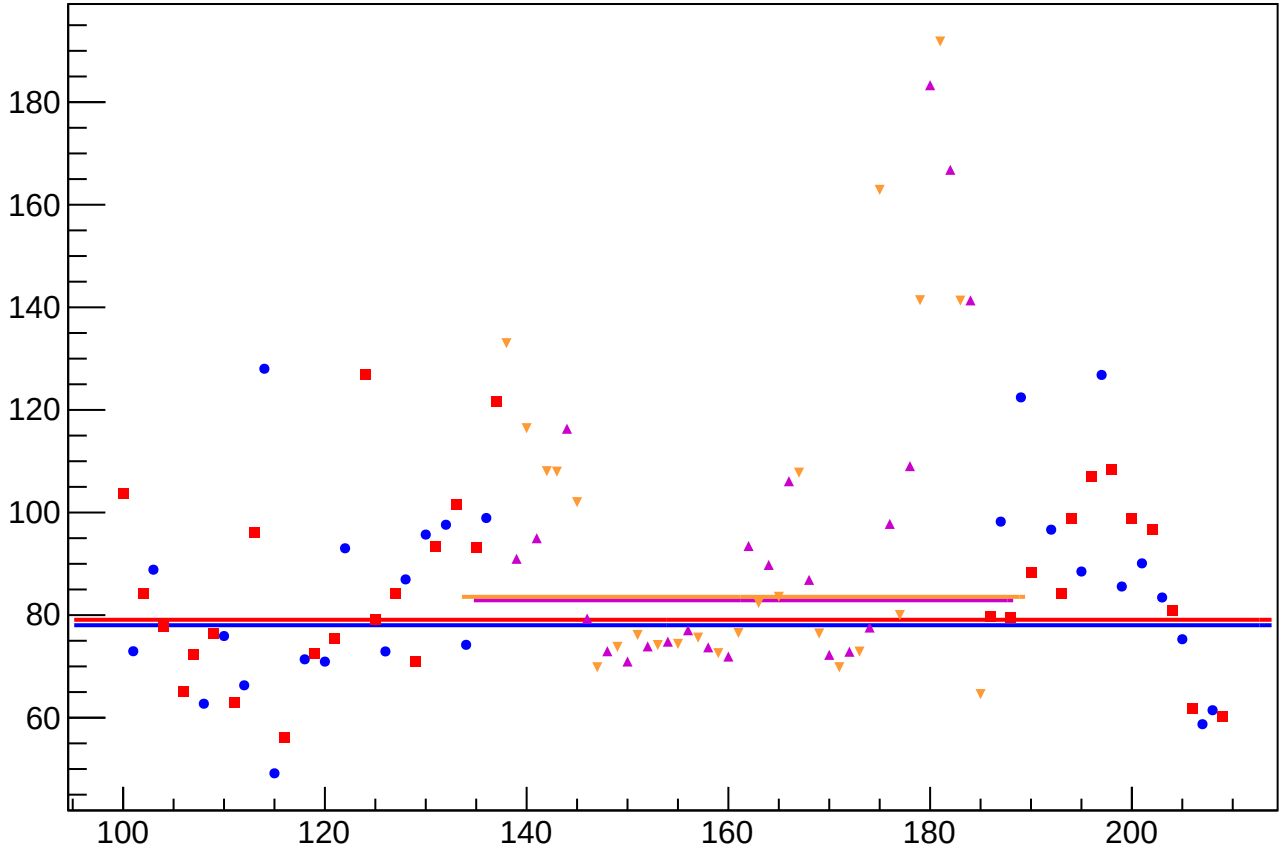
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.010+/-0.014 χ^2/NDF: 57.7/51

All: 0.012+/-0.010 χ^2/NDF: 130.8/105

- sign 0.014+/-0.014 χ^2/NDF: 73.0/53

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

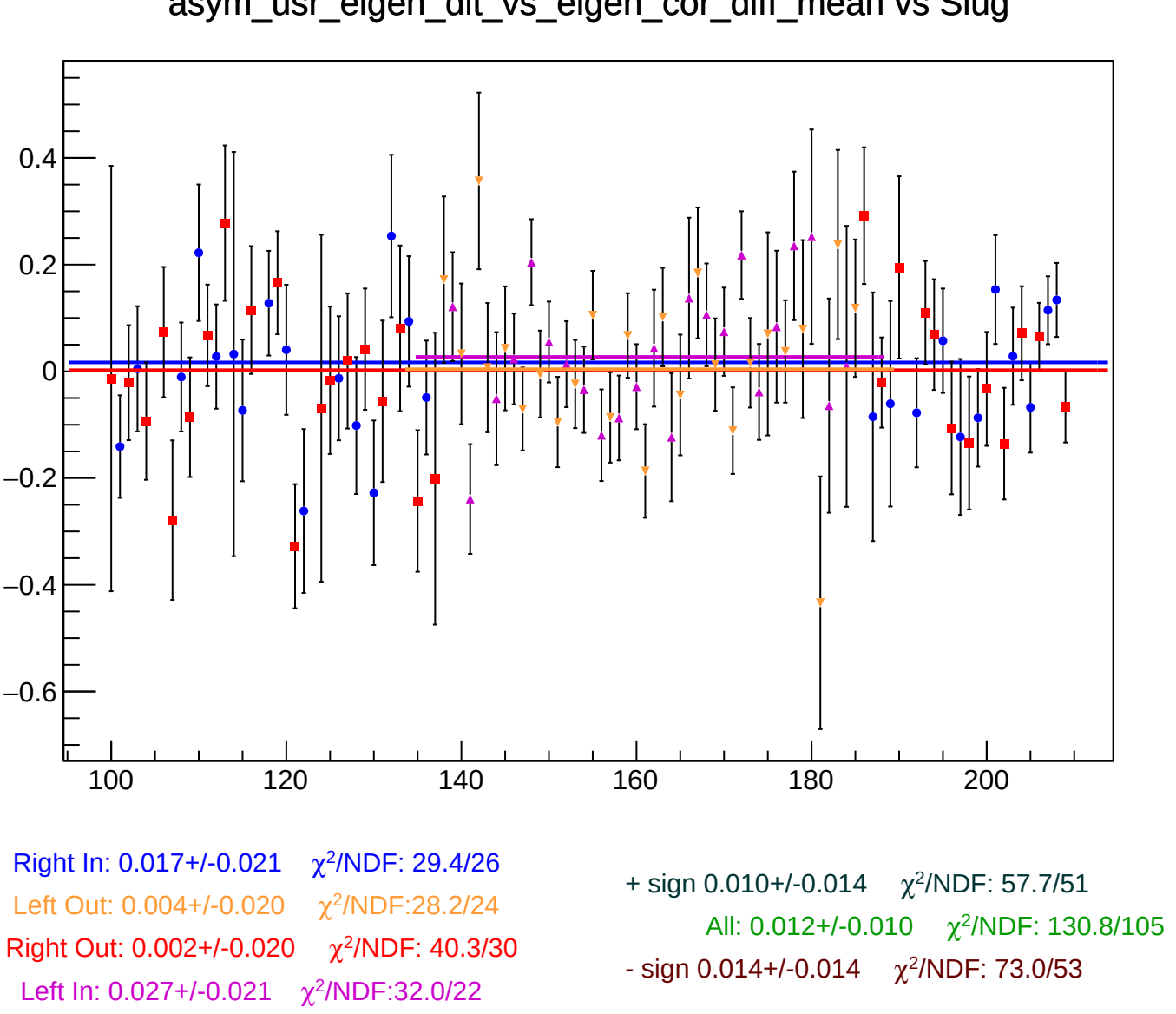
Right Out: 79.091+/-0.014 χ^2/NDF: 1131144.2/30

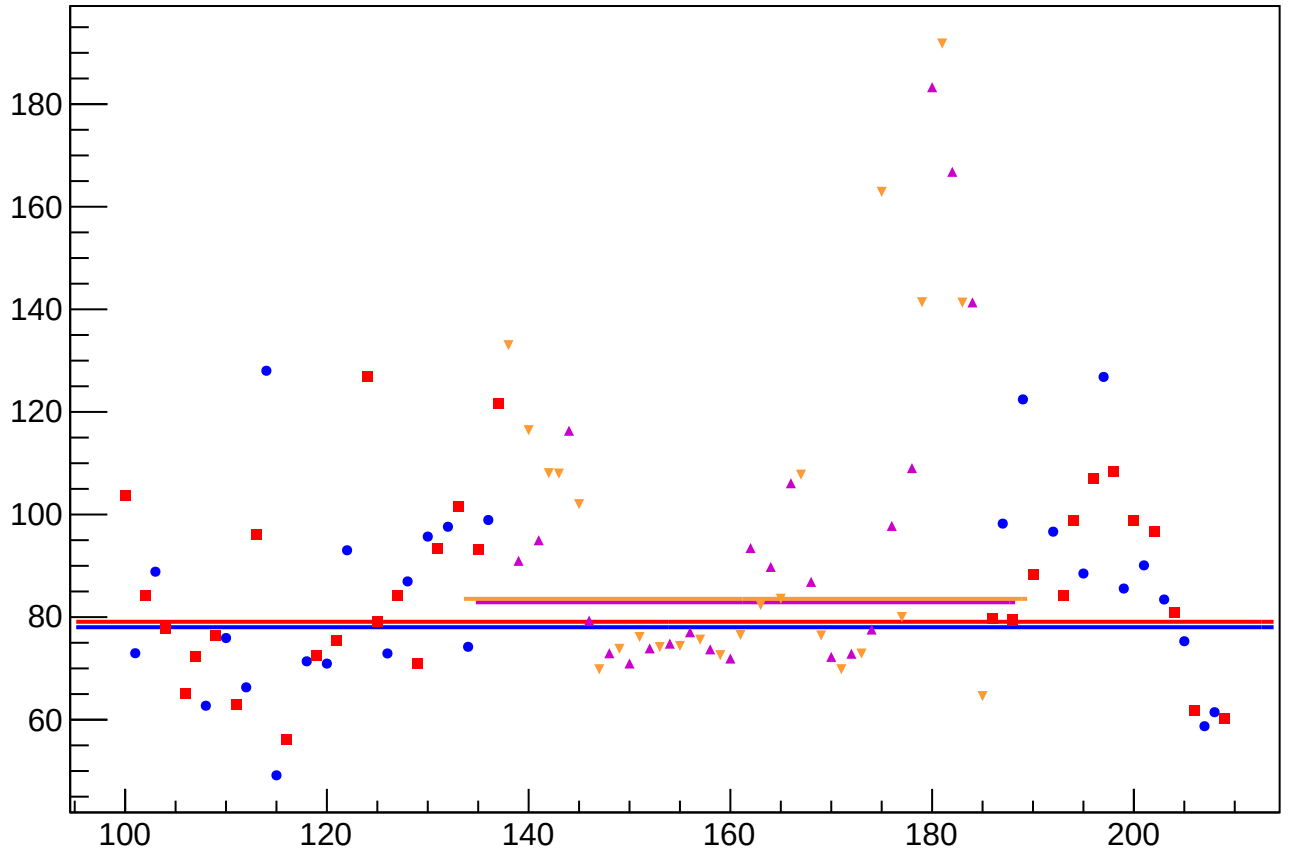
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 80.853+/-0.010 χ^2/NDF: 3449262.0/51

All: 80.901+/-0.007 χ^2/NDF: 6188408.8/105

- sign 80.948+/-0.010 χ^2/NDF: 2739103.8/53


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.017+/-0.021 χ²/NDF: 29.4/26
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.002+/-0.020 χ²/NDF: 40.3/30
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.010+/-0.014 χ²/NDF: 57.7/51
All: 0.012+/-0.010 χ²/NDF: 130.8/105
- sign 0.014+/-0.014 χ²/NDF: 73.0/53



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.091+/-0.014 χ^2/NDF: 1131144.2/30

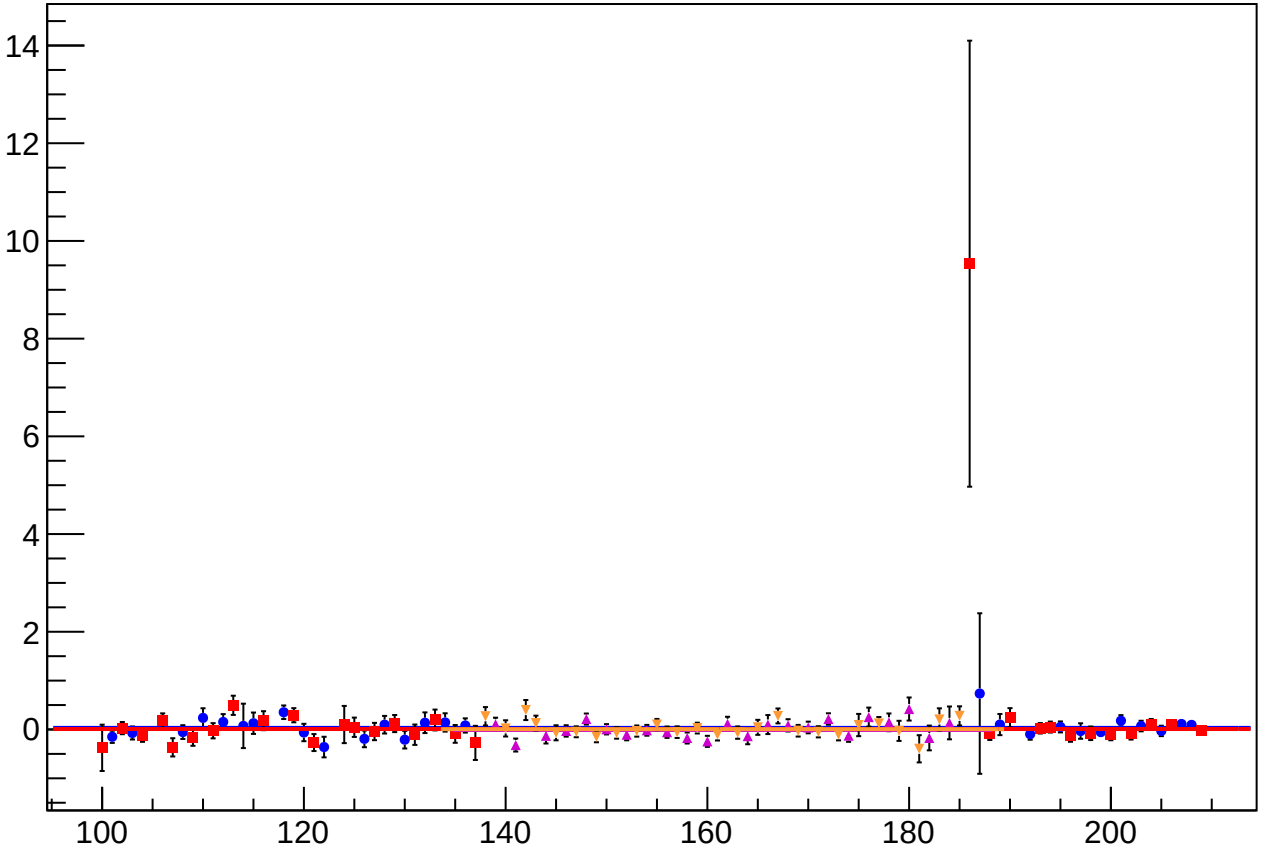
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 80.853+/-0.010 χ^2/NDF: 3449262.0/51

All: 80.901+/-0.007 χ^2/NDF: 6188408.8/105

- sign 80.948+/-0.010 χ^2/NDF: 2739103.8/53

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

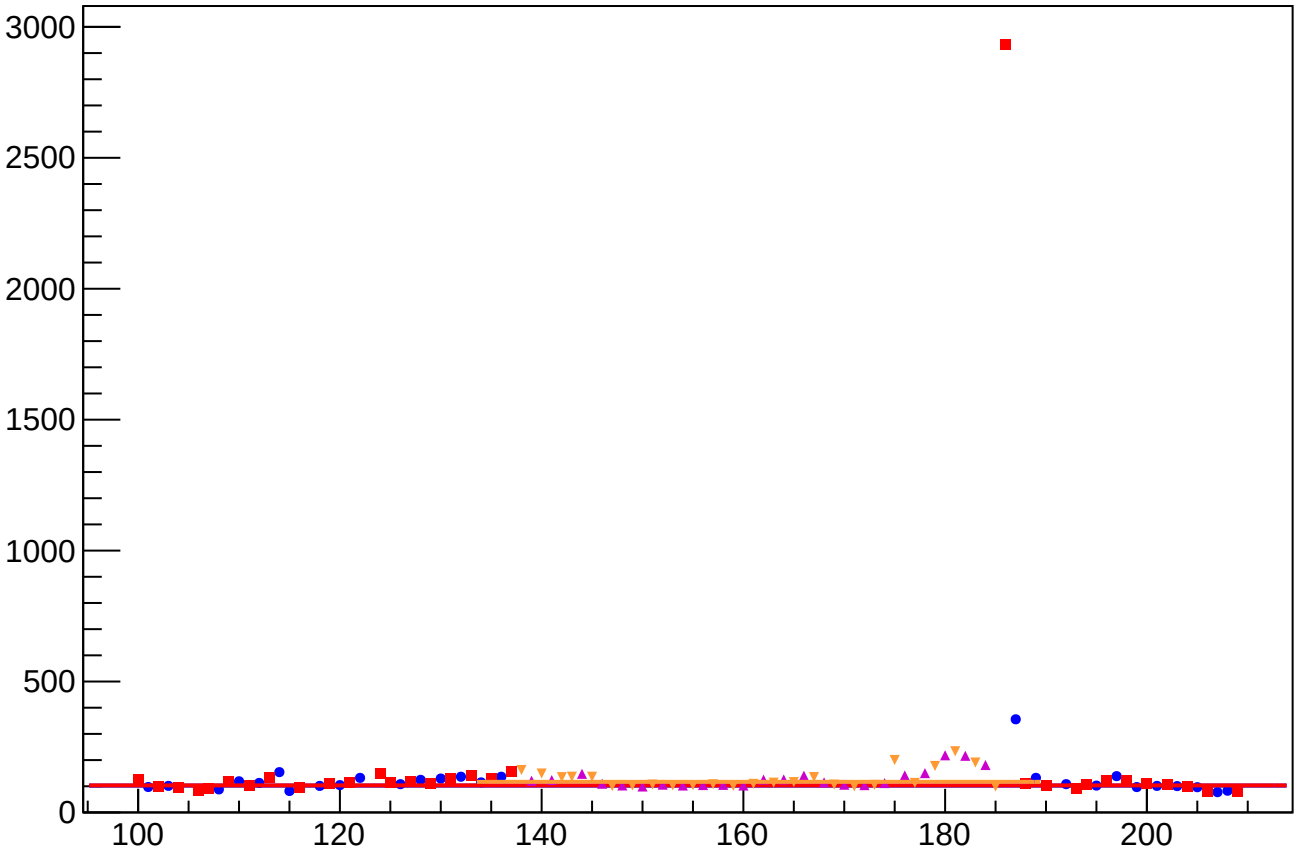
Right Out: 0.009+/-0.026 χ^2/NDF: 35.7/30

Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.020+/-0.019 χ^2/NDF: 46.1/51

All: 0.010+/-0.014 χ^2/NDF: 113.9/105

- sign 0.000+/-0.019 χ^2/NDF: 67.2/53



Right In: 102.530+/-0.019 χ^2/NDF: 850897.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 103.316+/-0.018 χ^2/NDF: 1544026.0/30

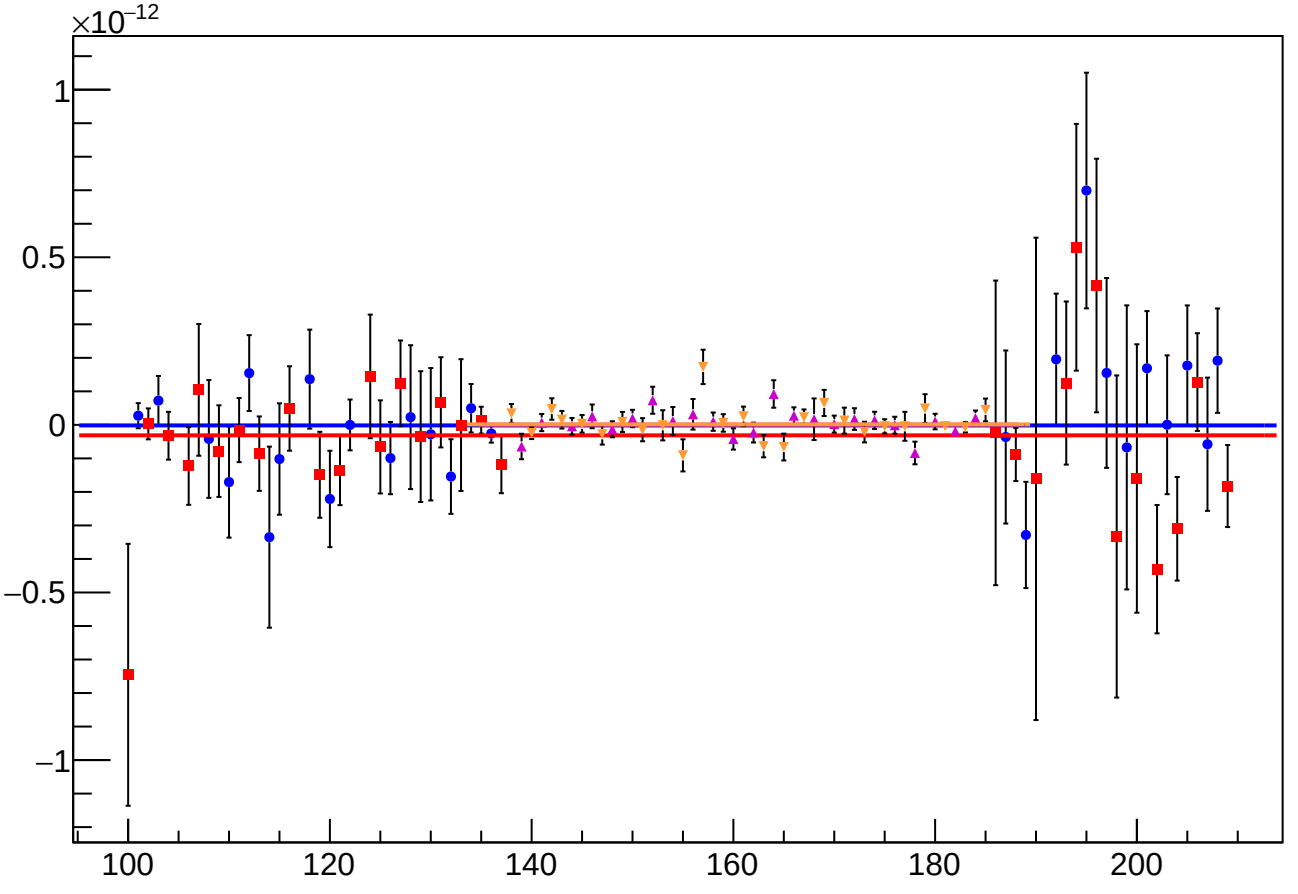
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 109.478+/-0.014 χ^2/NDF: 2723453.5/51

All: 109.299+/-0.010 χ^2/NDF: 5712184.1/105

- sign 109.123+/-0.014 χ^2/NDF: 2988389.3/53

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

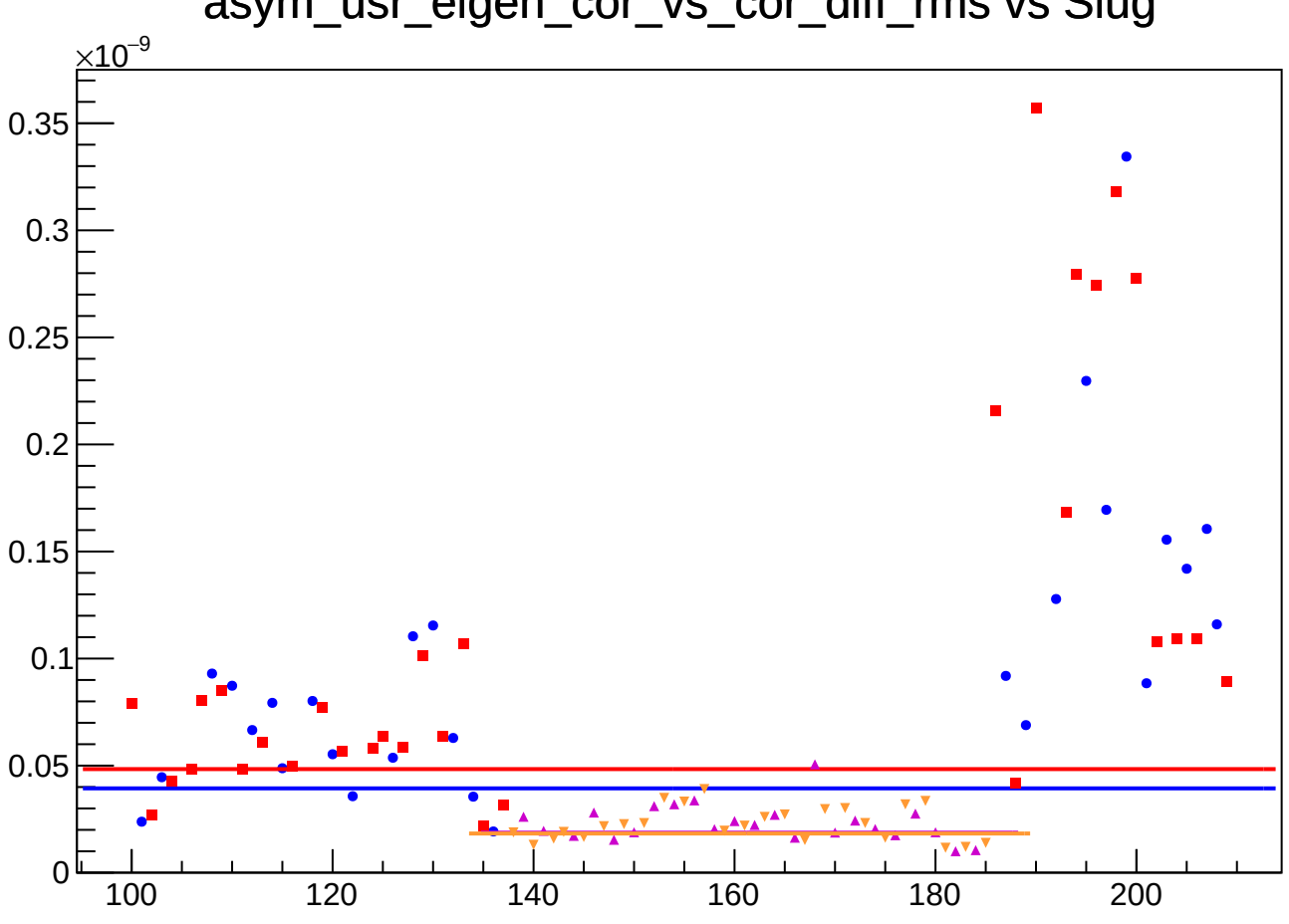
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.5/51

All: -0.000+/-0.000 χ^2/NDF: 121.3/105

- sign -0.000+/-0.000 χ^2/NDF: 57.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 8007588.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7164105.6/30

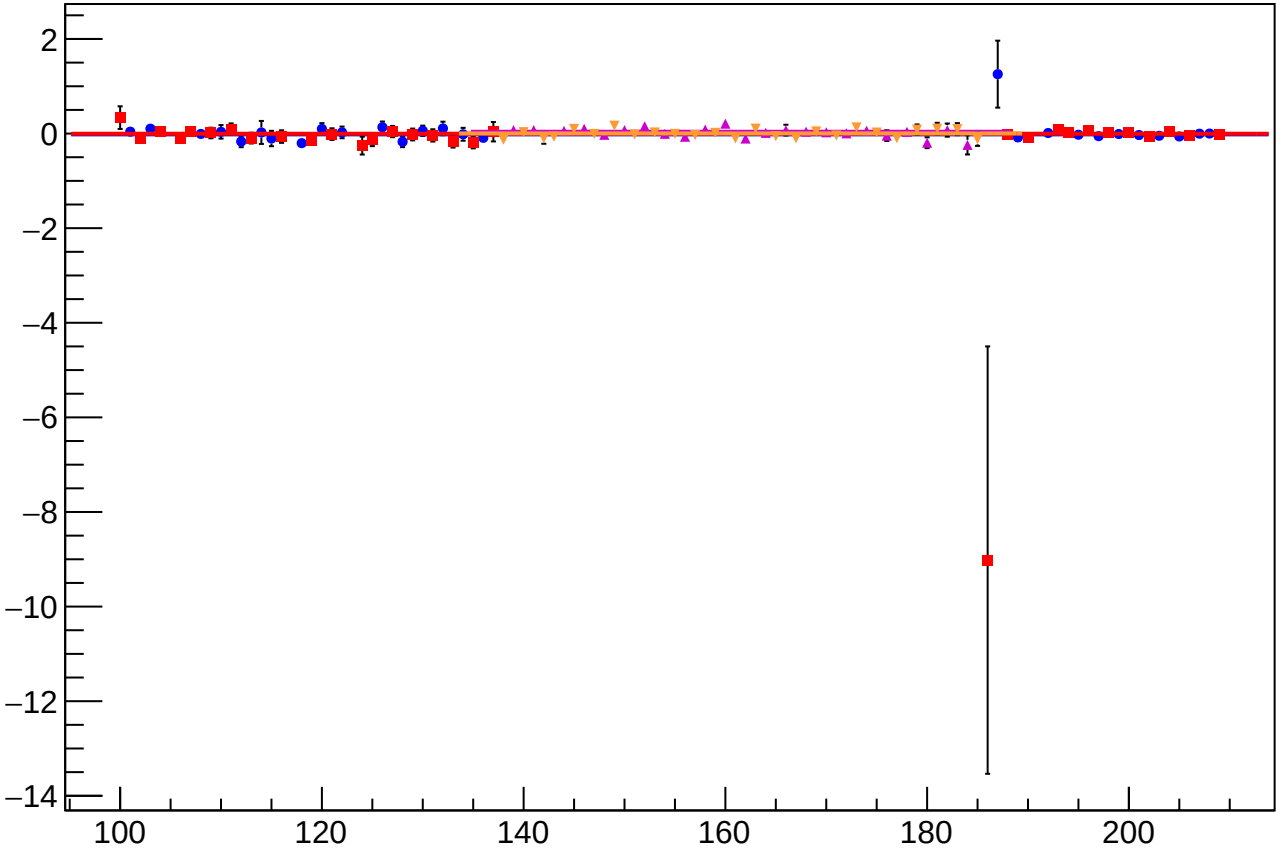
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13767693.6/51

All: 0.000+/-0.000 χ^2/NDF: 28145034.3/105

- sign 0.000+/-0.000 χ^2/NDF: 14355096.8/53

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.003+/-0.012 χ^2/NDF: 36.5/30

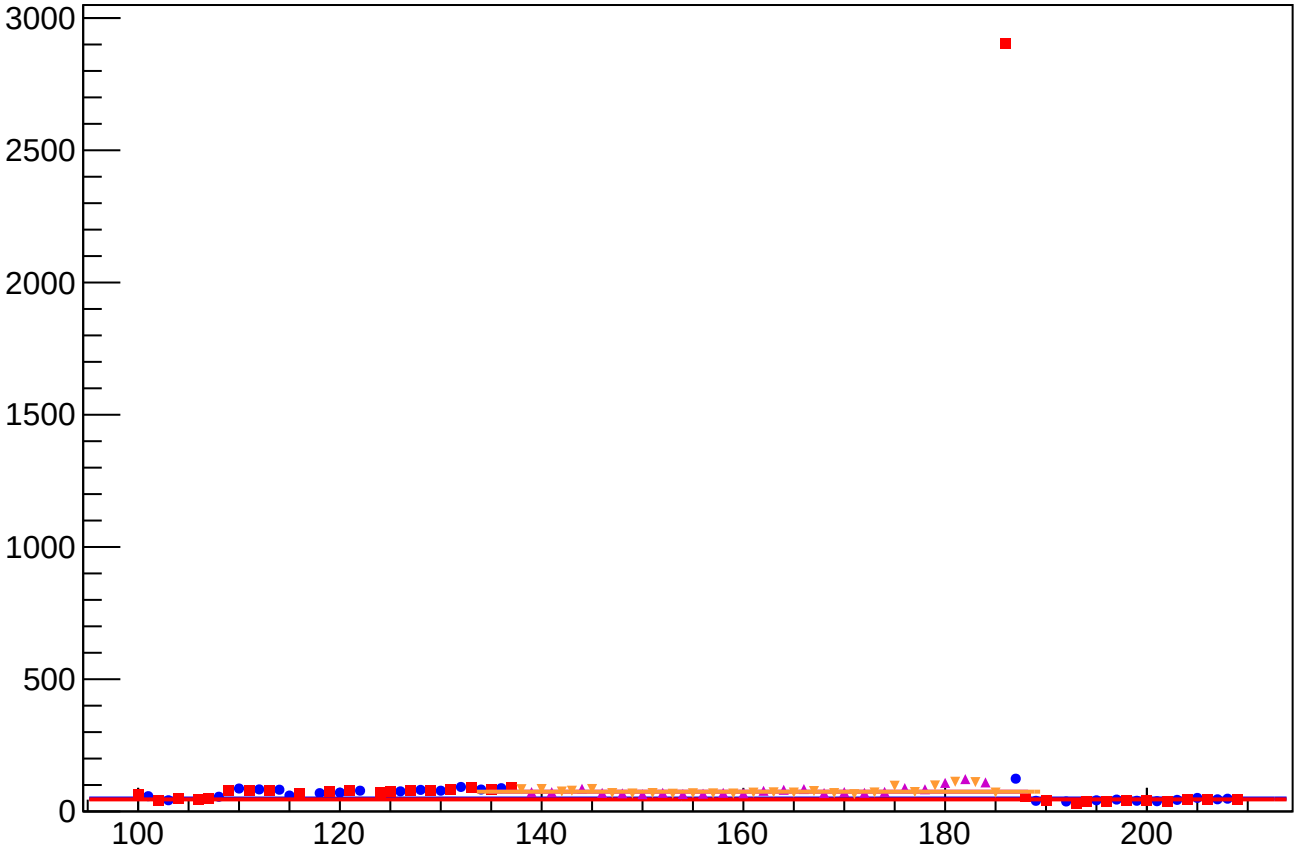
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/51

All: 0.001+/-0.007 χ^2/NDF: 110.0/105

- sign 0.010+/-0.010 χ^2/NDF: 61.9/53

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

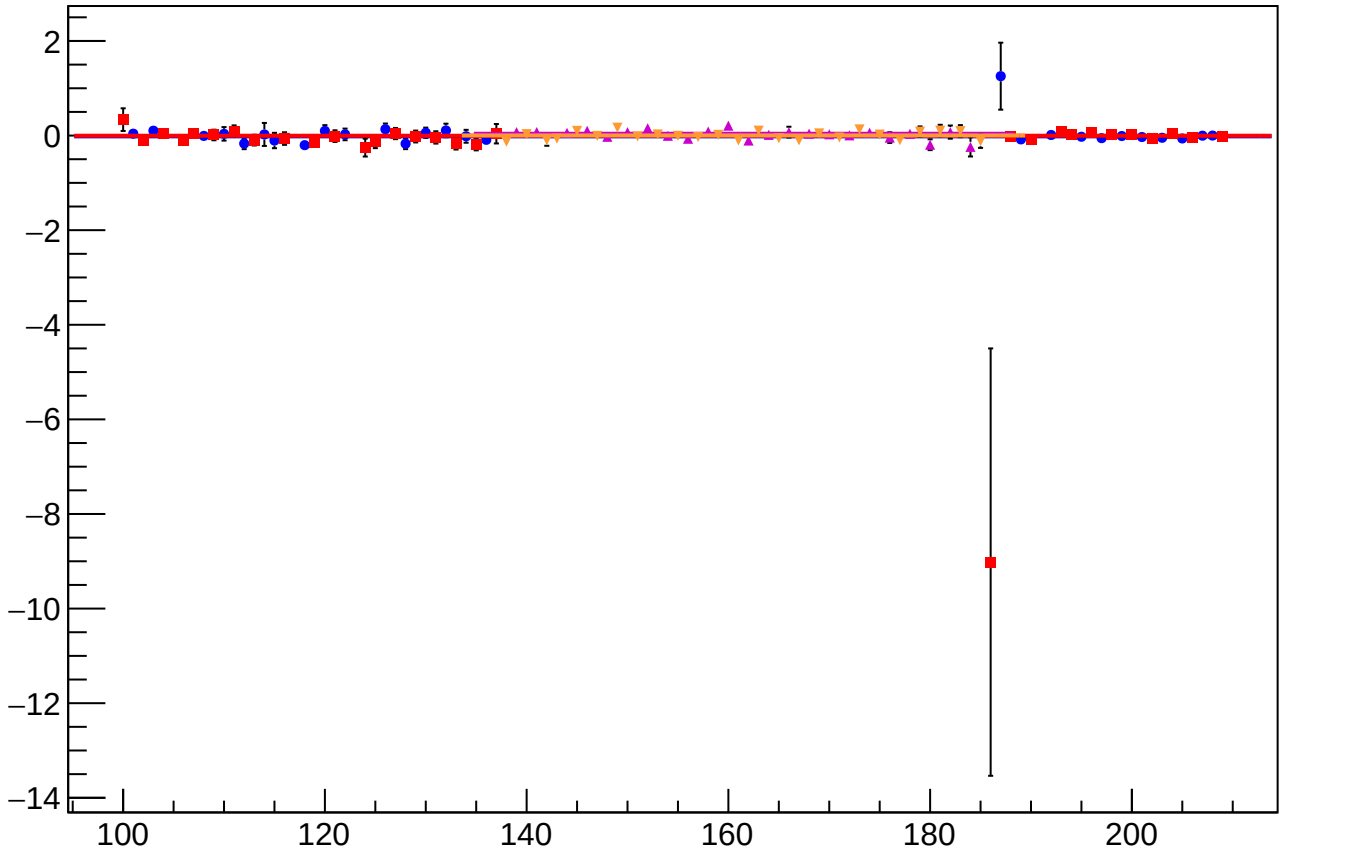
Right Out: 45.601+/-0.009 χ^2/NDF: 3612412.1/30

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 58.356+/-0.007 χ^2/NDF: 5776489.9/51

All: 56.461+/-0.005 χ^2/NDF: 13832729.0/105

- sign 54.735+/-0.007 χ^2/NDF: 7932038.6/53



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.003+/-0.012 χ^2/NDF: 36.5/30

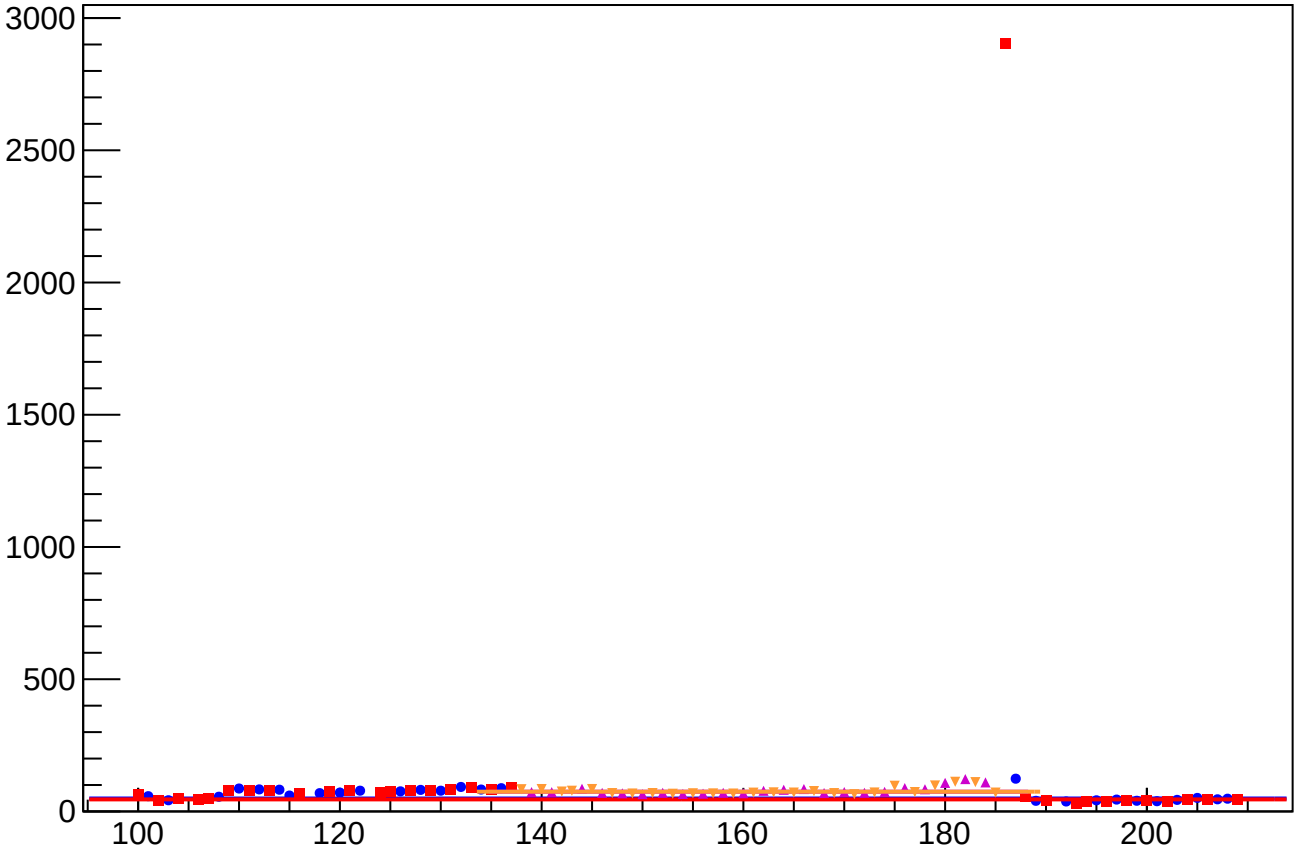
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/51

All: 0.001+/-0.007 χ^2/NDF: 110.0/105

- sign 0.010+/-0.010 χ^2/NDF: 61.9/53

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.601+/-0.009 χ^2/NDF: 3612412.1/30

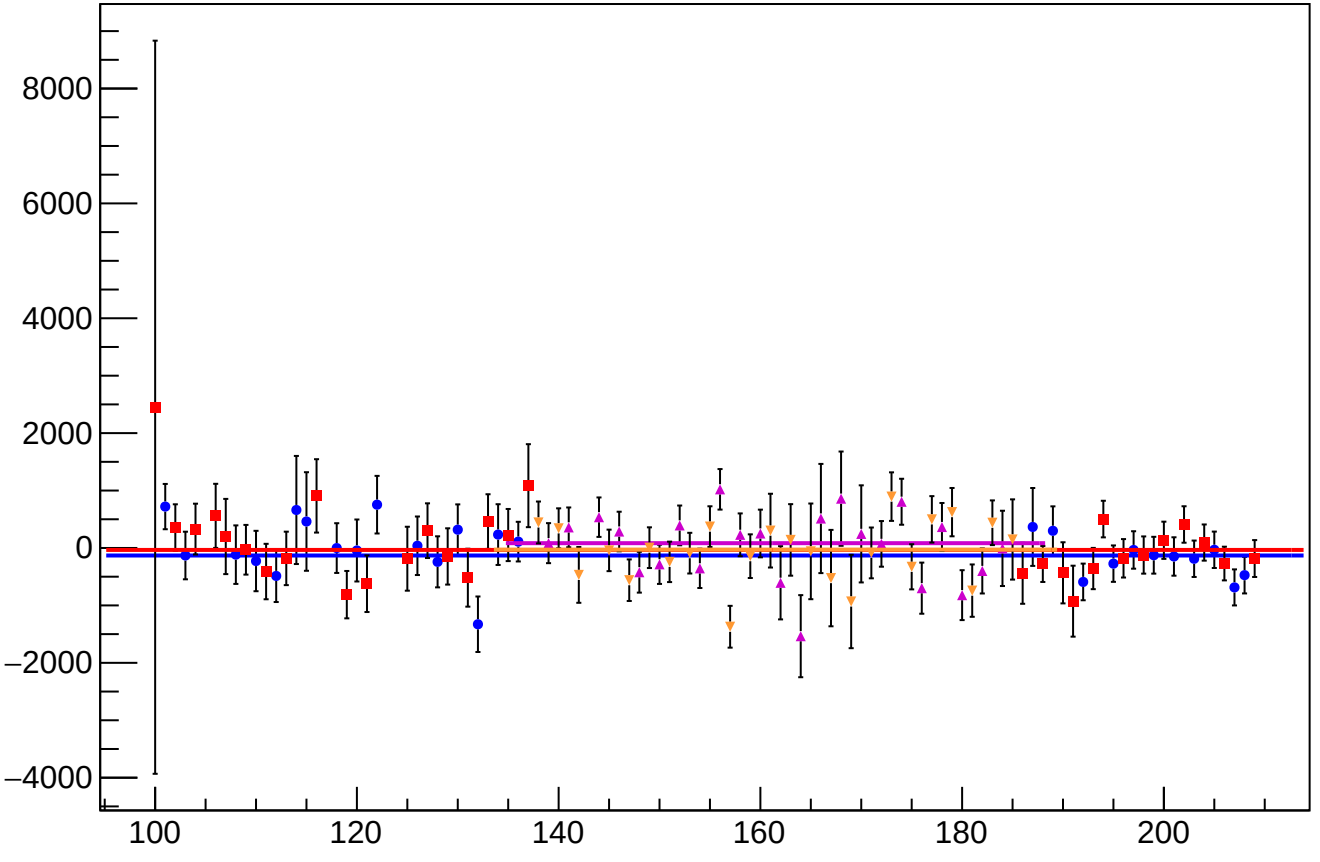
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 58.356+/-0.007 χ^2/NDF: 5776489.9/51

All: 56.461+/-0.005 χ^2/NDF: 13832729.0/105

- sign 54.735+/-0.007 χ^2/NDF: 7932038.6/53

asym_dsl_mean vs Slug



Right In: -130.954+/-77.715 χ^2/NDF: 26.4/26

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -34.042+/-75.127 χ^2/NDF: 27.2/30

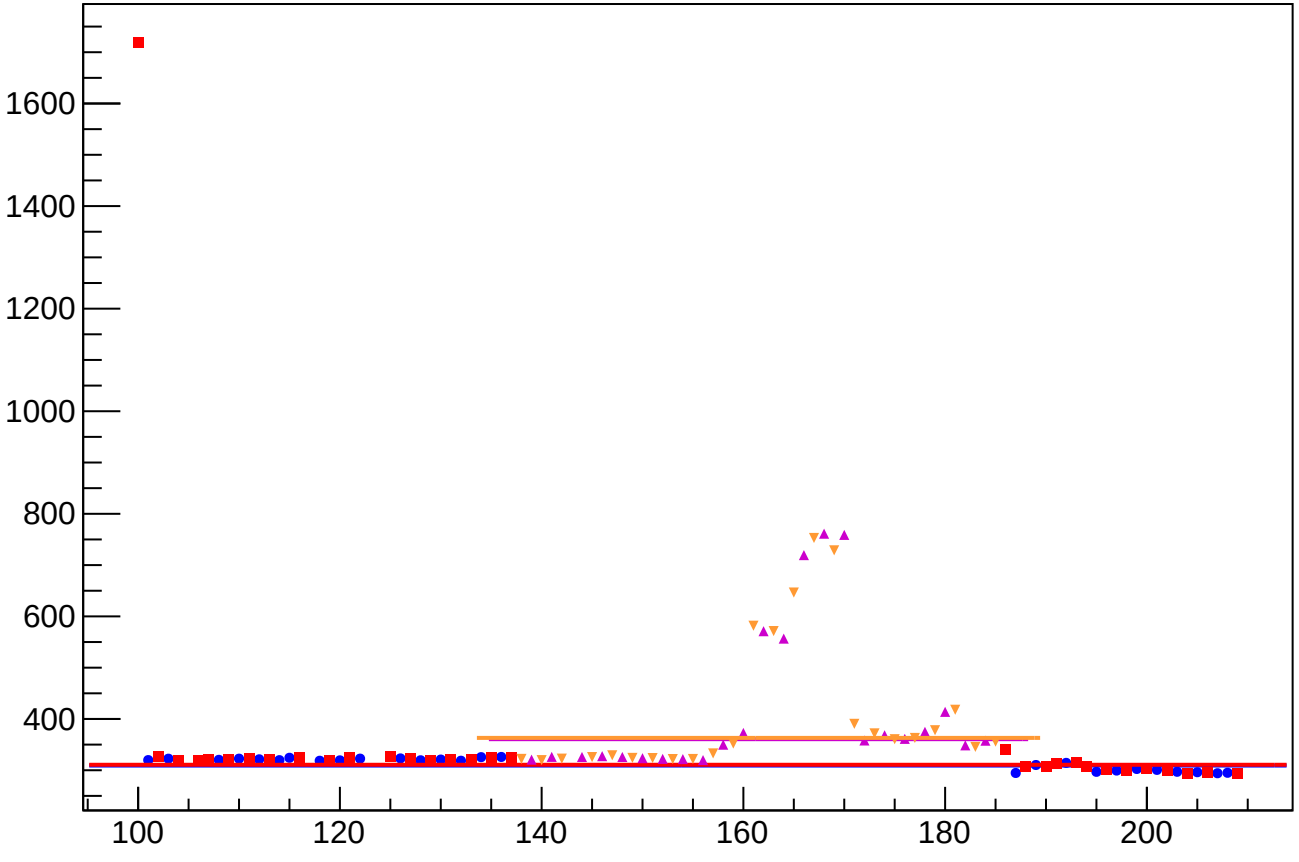
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -85.588+/-57.819 χ^2/NDF: 63.7/50

All: -33.503+/-40.488 χ^2/NDF: 129.4/104

- sign 16.609+/-56.714 χ^2/NDF: 64.1/53

asym_dsl_rms vs Slug



Right In: 309.178+/-0.055 χ^2/NDF: 45670.9/26

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 310.676+/-0.053 χ^2/NDF: 148546.4/30

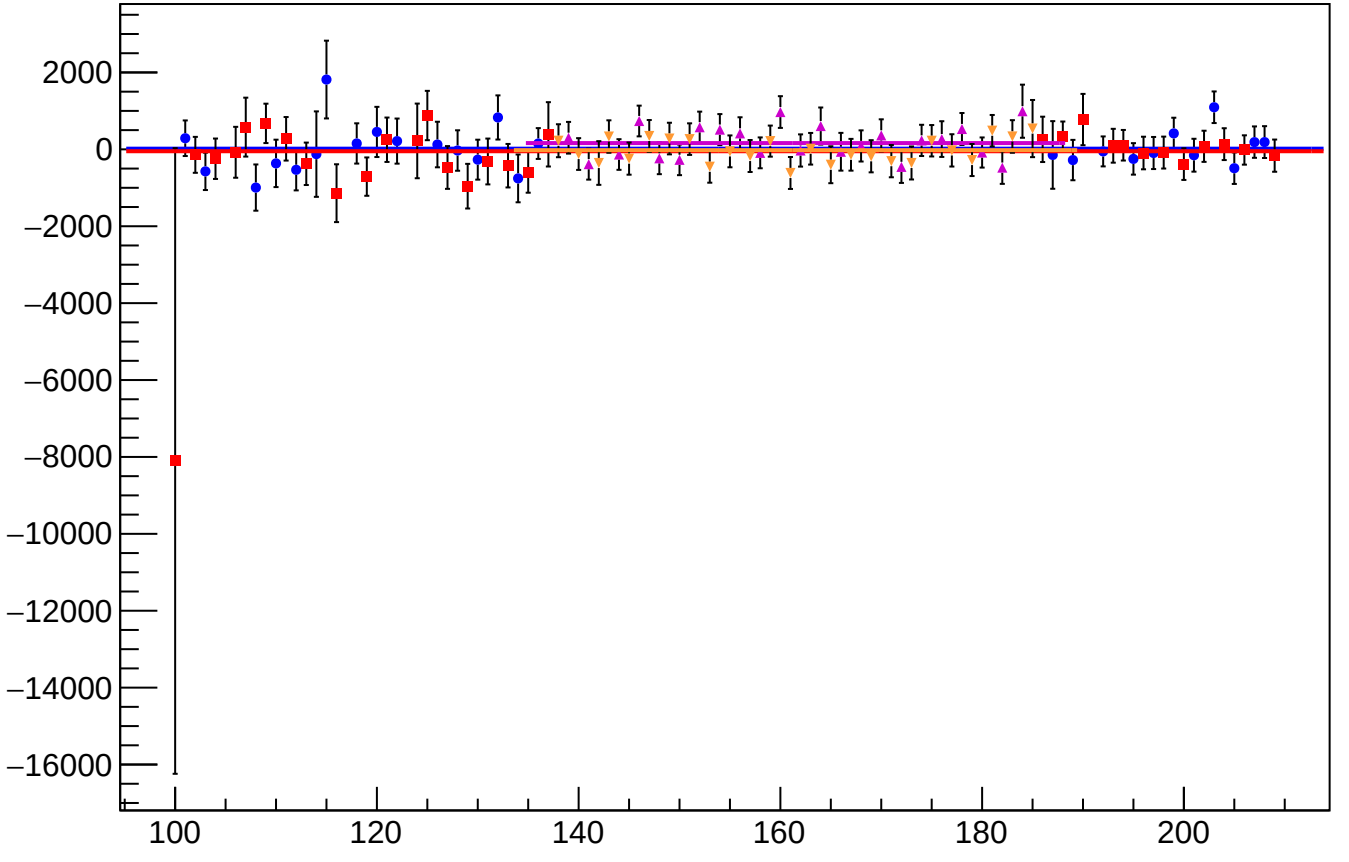
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 333.244+/-0.041 χ^2/NDF: 2270801.0/50

All: 332.683+/-0.029 χ^2/NDF: 4617059.7/104

- sign 332.143+/-0.040 χ^2/NDF: 2345889.1/53

asym_dsr_mean vs Slug



Right In: 17.474+/-95.814 χ^2/NDF: 24.6/26

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -49.251+/-92.558 χ^2/NDF: 19.9/30

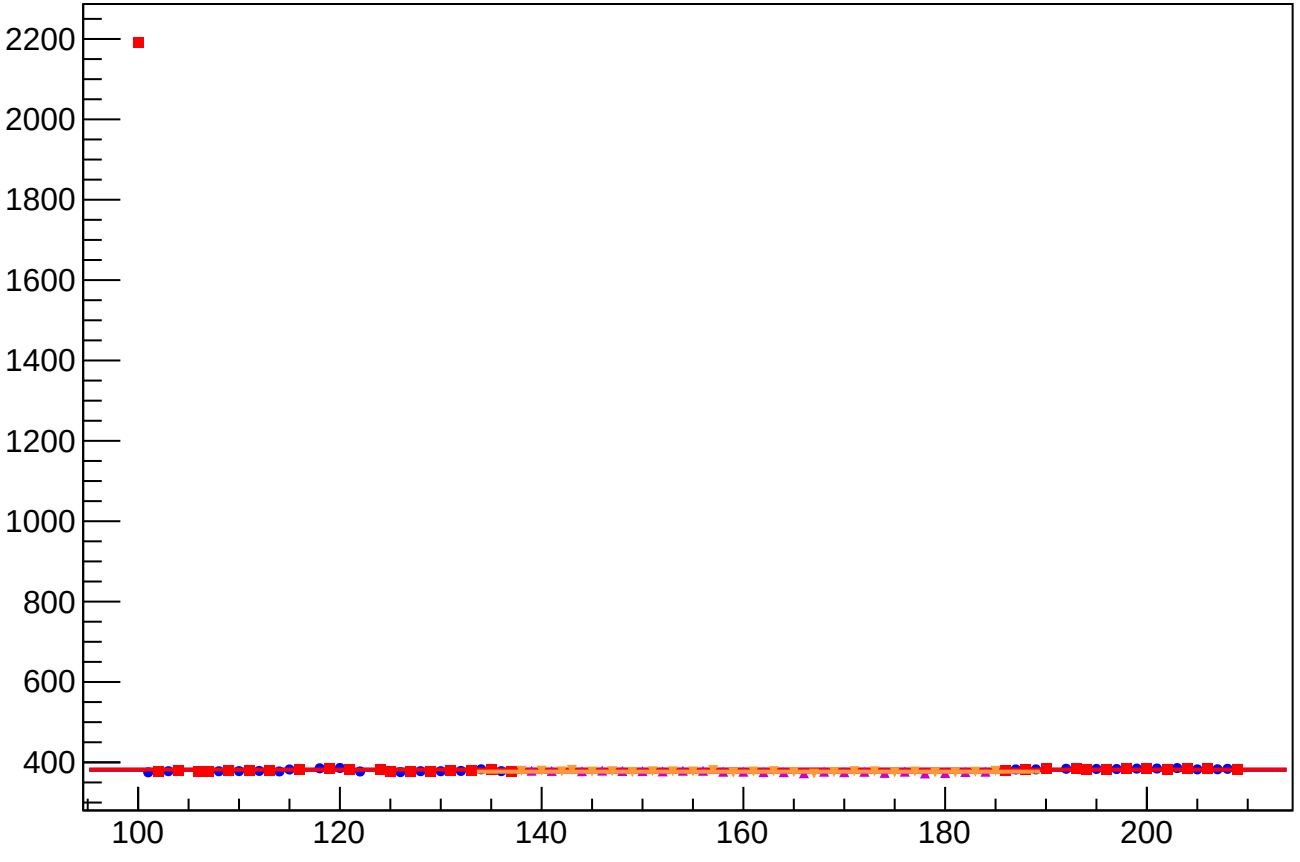
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

\+ sign -3.952+/-63.843 χ^2/NDF: 37.3/51

All: 29.178+/-45.119 χ^2/NDF: 82.3/105

\- sign 62.235+/-63.773 χ^2/NDF: 44.4/53

asym_dsr_rms vs Slug



Right In: 381.516+/-0.068 χ^2/NDF: 2240.5/26

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.989+/-0.065 χ^2/NDF: 100688.0/30

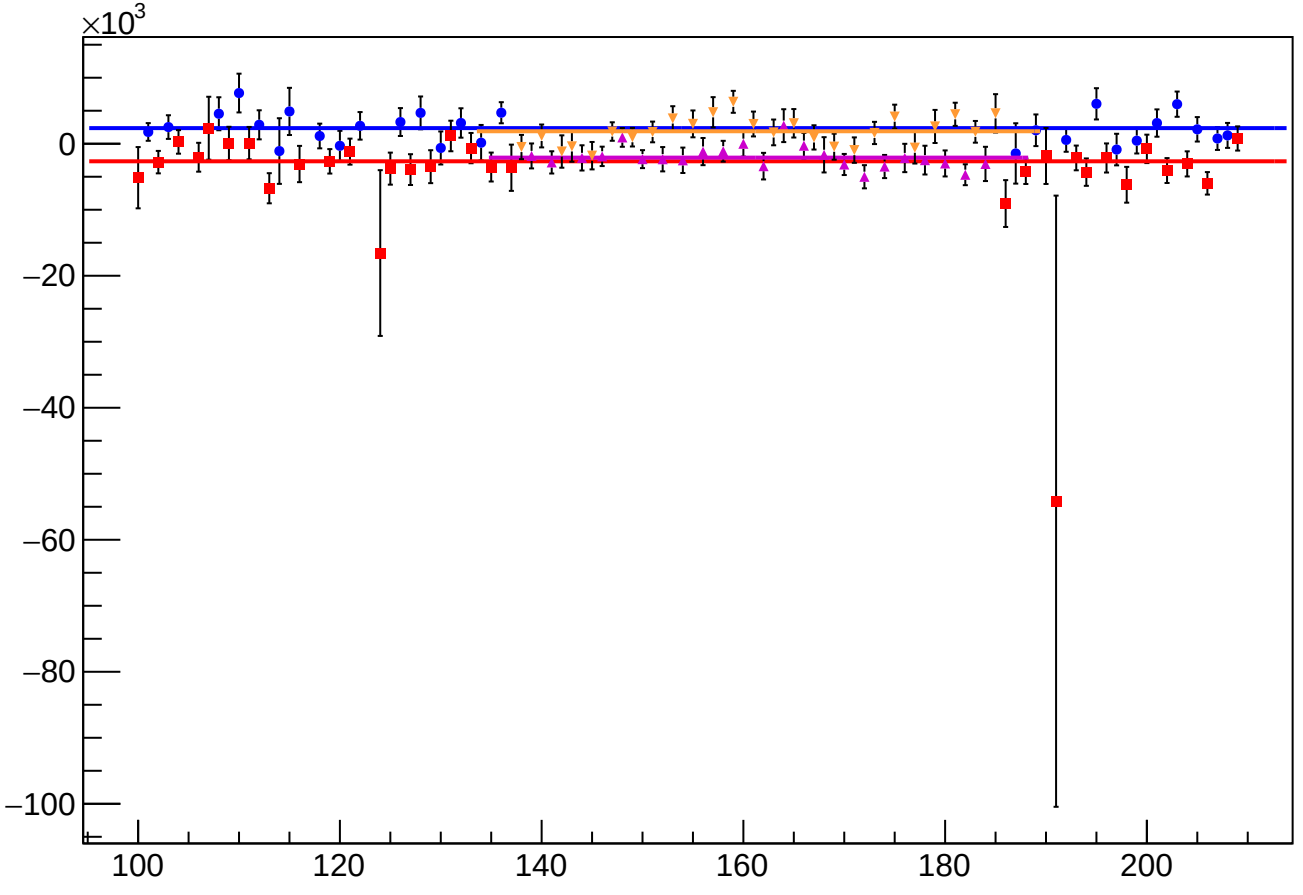
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.953+/-0.045 χ^2/NDF: 5873.6/51

All: 379.120+/-0.032 χ^2/NDF: 110906.4/105

- sign 379.287+/-0.045 χ^2/NDF: 105005.4/53

asym_us_agg_avg_mean vs Slug



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2661.219+/-407.522 χ^2/NDF: 32.3/31

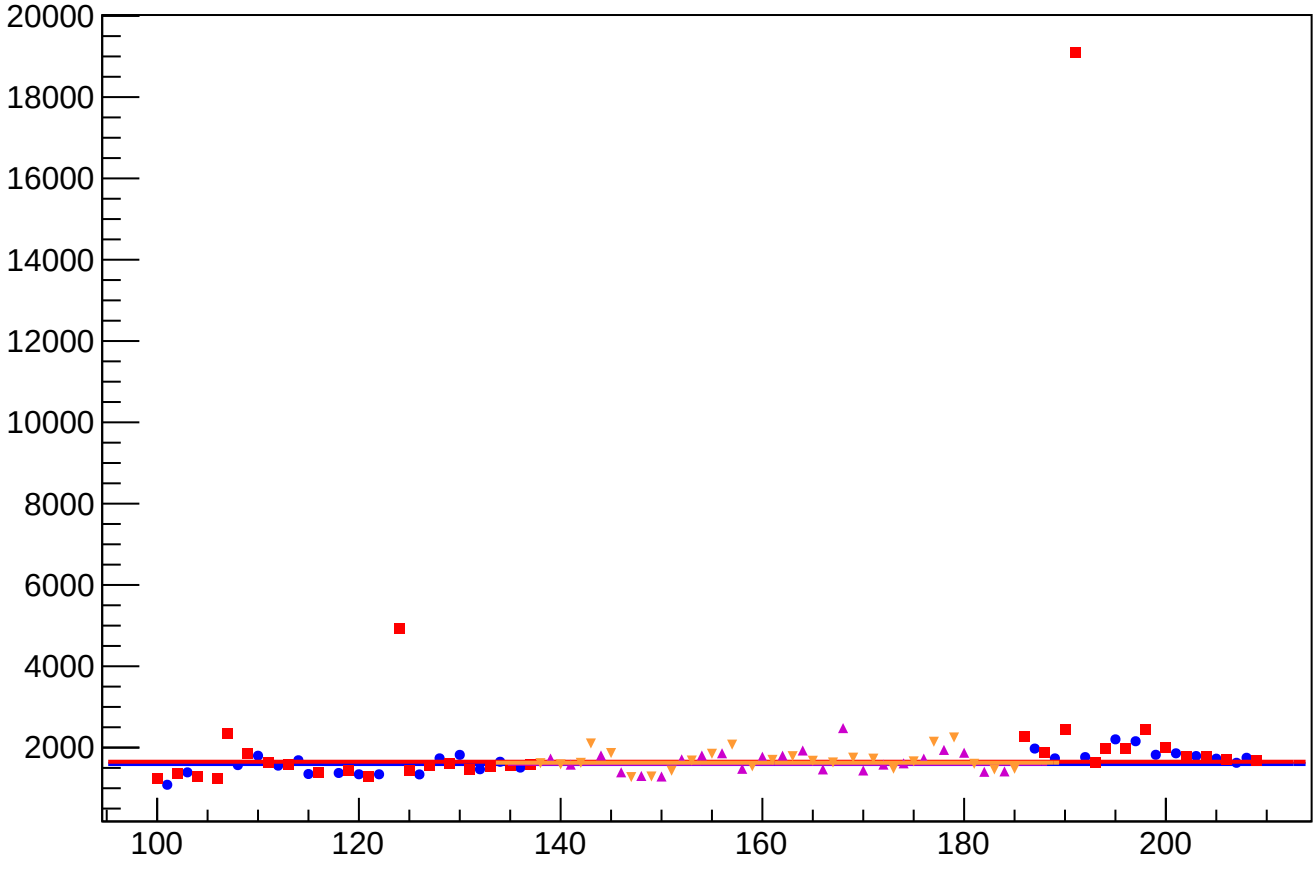
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2108.863+/-276.102 χ^2/NDF: 53.5/51

All: -115.490+/-195.743 χ^2/NDF: 235.8/106

- sign -2363.225+/-277.549 χ^2/NDF: 51.9/54

asym_us_agg_avg_rms vs Slug



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1652.189+/-0.288 χ^2/NDF: 1359301.7/31

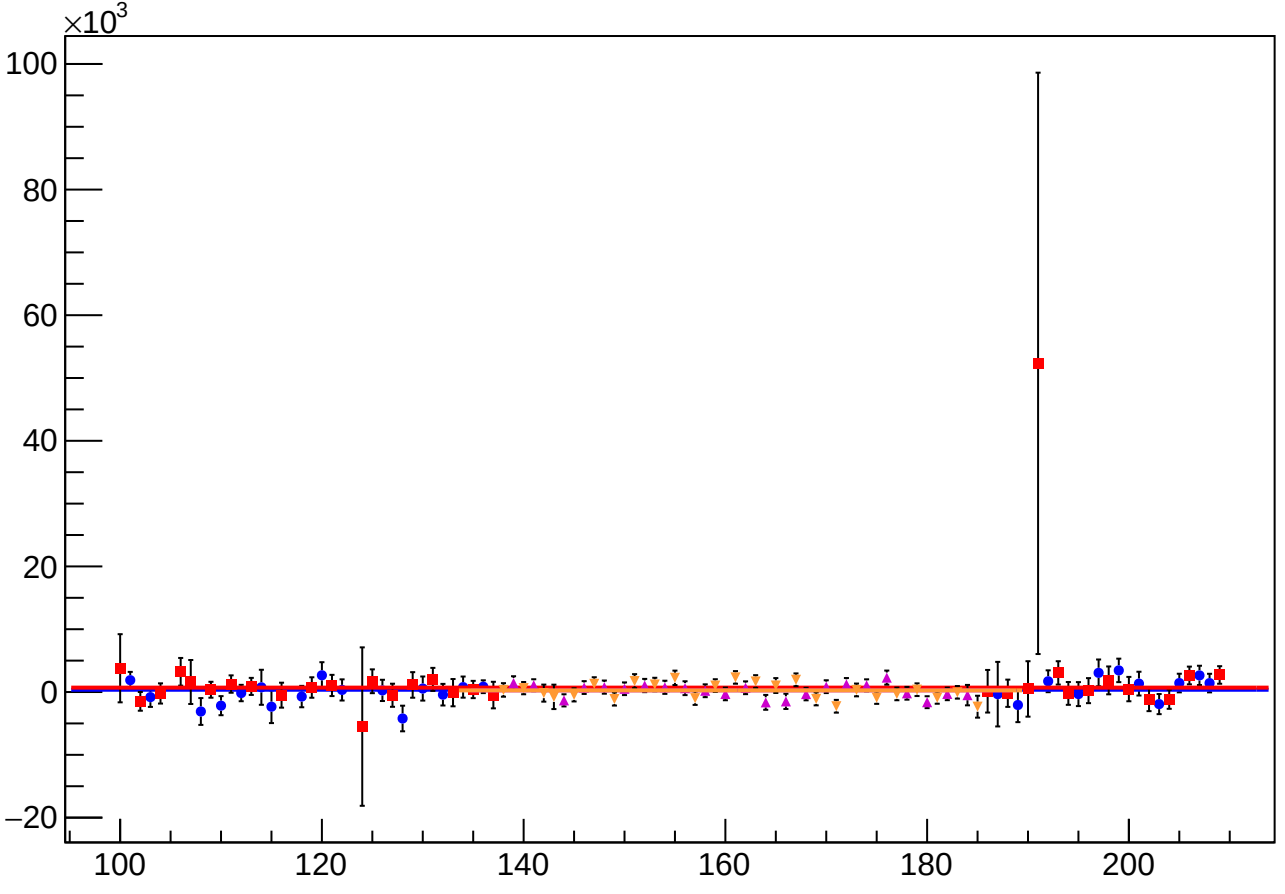
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1613.072+/-0.195 χ^2/NDF: 1655025.6/51

All: 1619.010+/-0.138 χ^2/NDF: 3826501.9/10

- sign 1625.010+/-0.196 χ^2/NDF: 2169616.6/54

asym_us_agg_dd_mean vs Slug



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 700.120+/-327.565 χ^2/NDF: 17.1/31

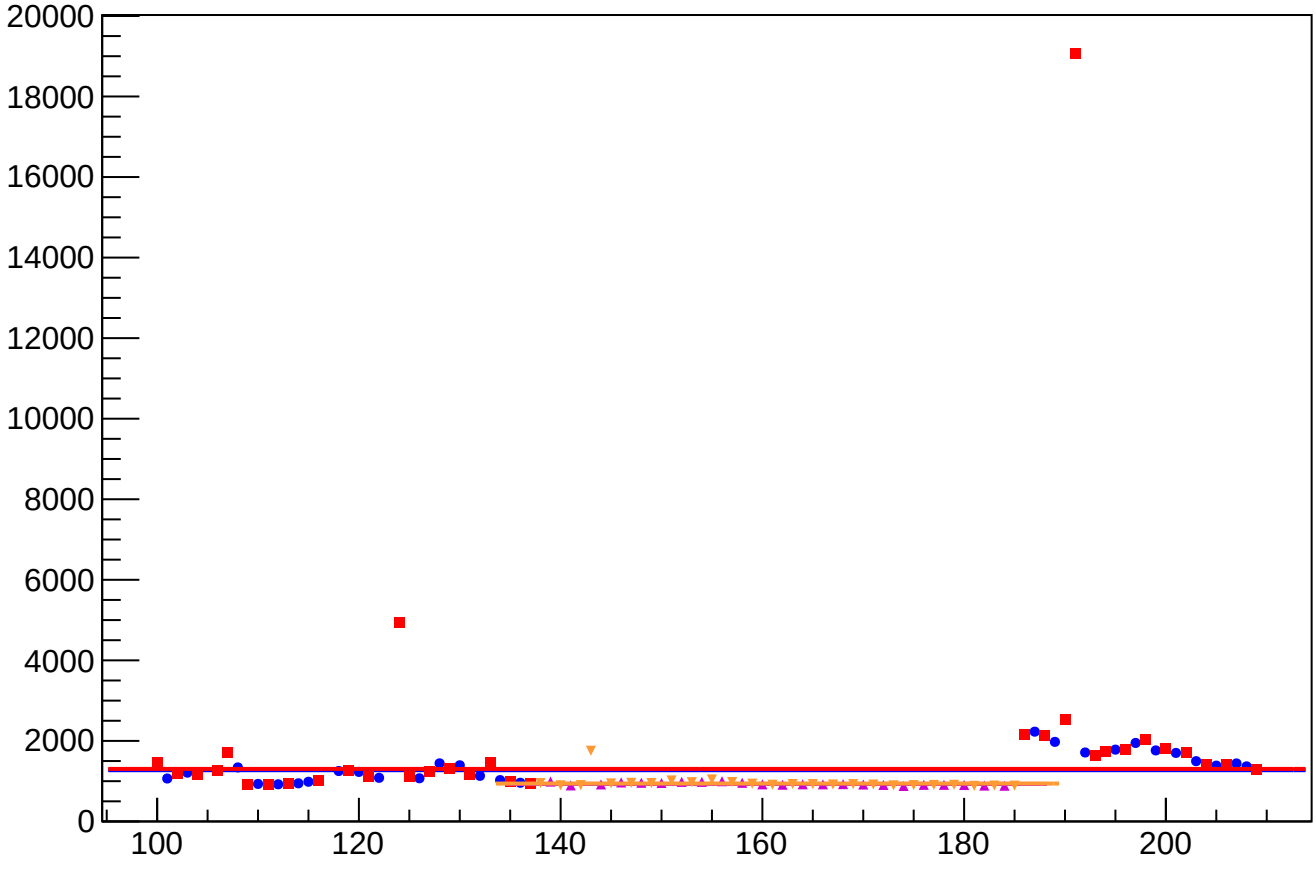
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 292.287+/-179.960 χ^2/NDF: 61.1/51

All: 345.607+/-127.722 χ^2/NDF: 101.0/106

- sign 399.724+/-181.301 χ^2/NDF: 39.6/54

asym_us_agg_dd_rms vs Slug



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1304.613+/-0.232 χ^2/NDF: 2633619.5/31

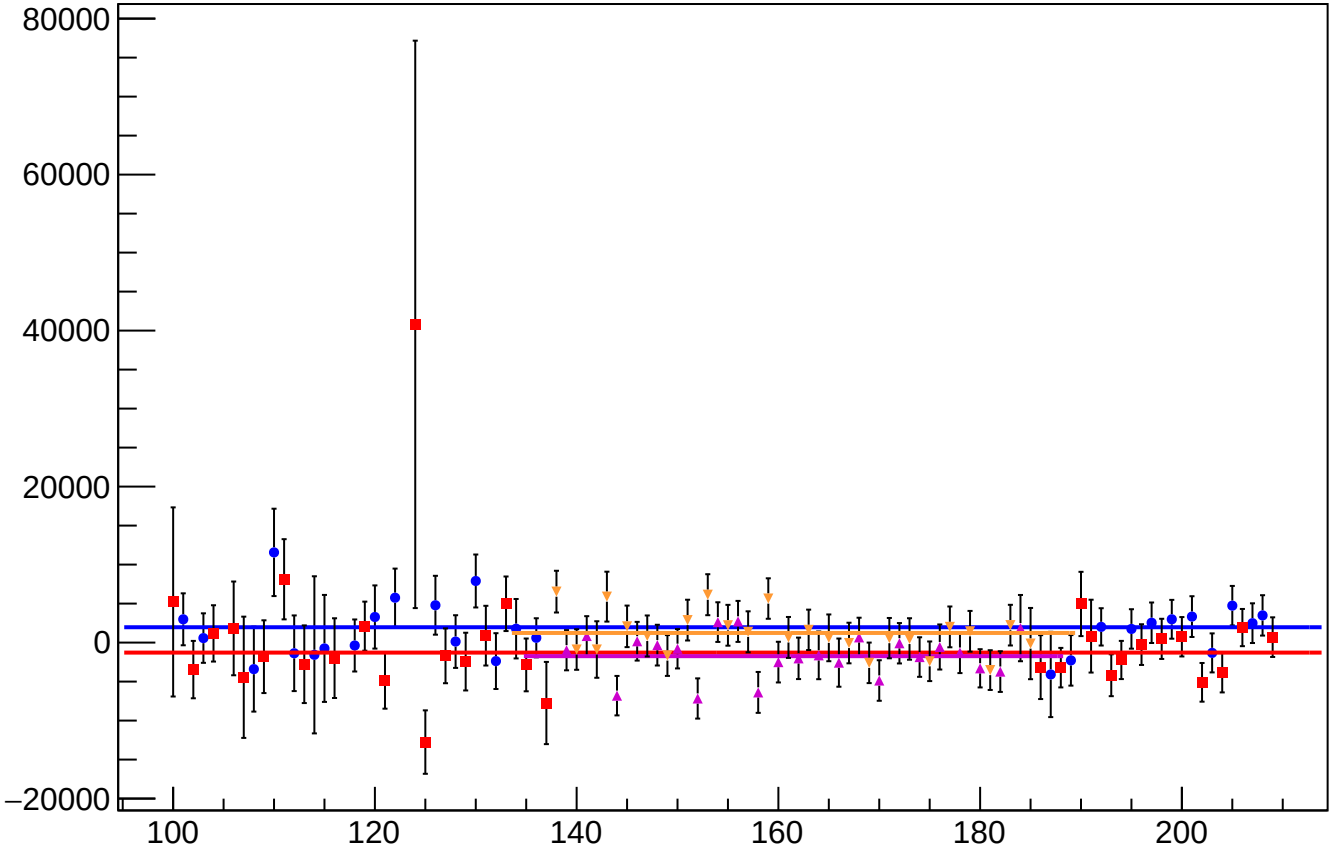
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1040.156+/-0.127 χ^2/NDF: 3507836.0/51

All: 1042.979+/-0.090 χ^2/NDF: 7990716.7/10

- sign 1045.843+/-0.128 χ^2/NDF: 4481889.3/54

reg_asym_atl1_mean vs Slug



Right In: 1966.869+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1284.057+/-601.791 χ^2/NDF: 33.5/31

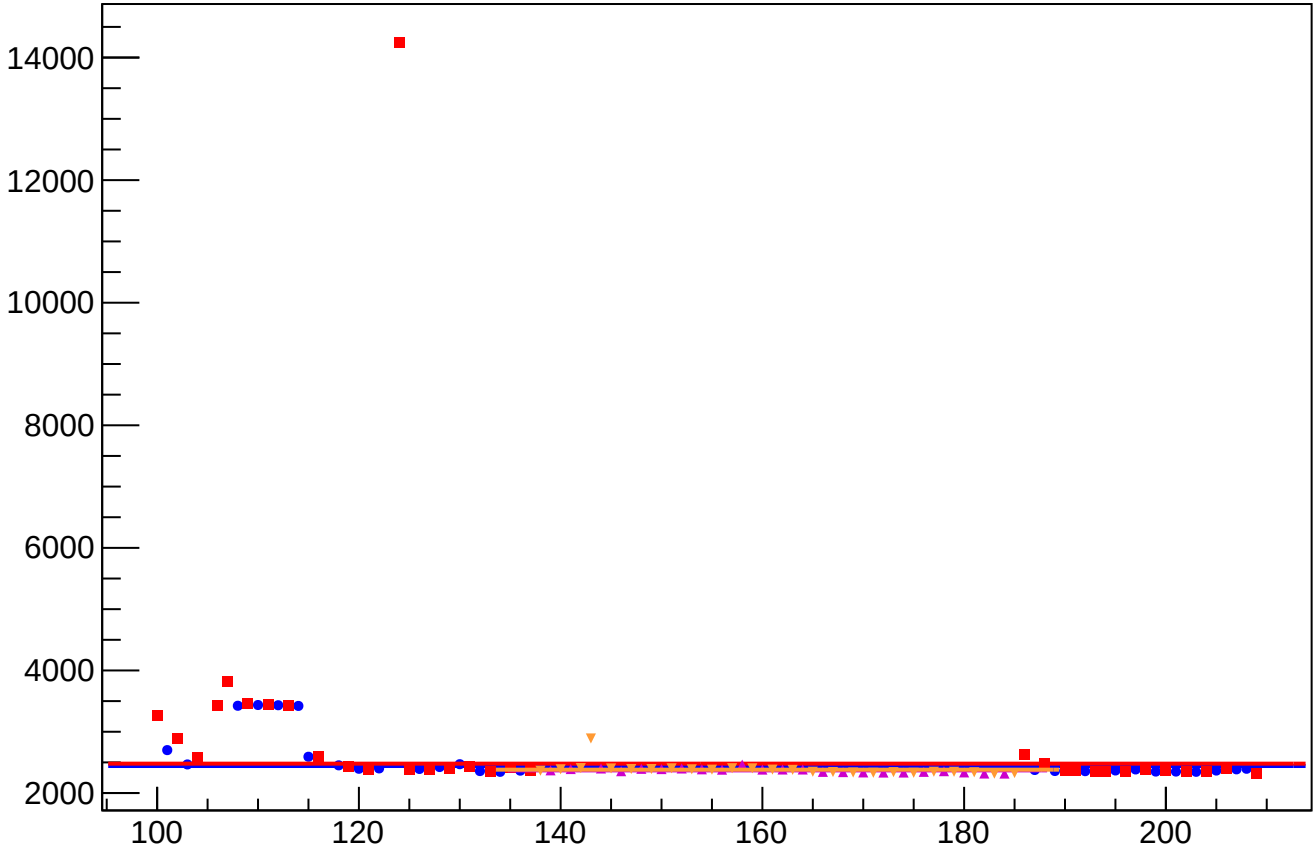
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1553.901+/-406.528 χ^2/NDF: 43.7/51

All: 13.793+/-287.728 χ^2/NDF: 130.6/106

- sign -1532.092+/-407.290 χ^2/NDF: 58.2/54

reg_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.2/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2479.390+/-0.426 χ^2/NDF: 641231.7/31

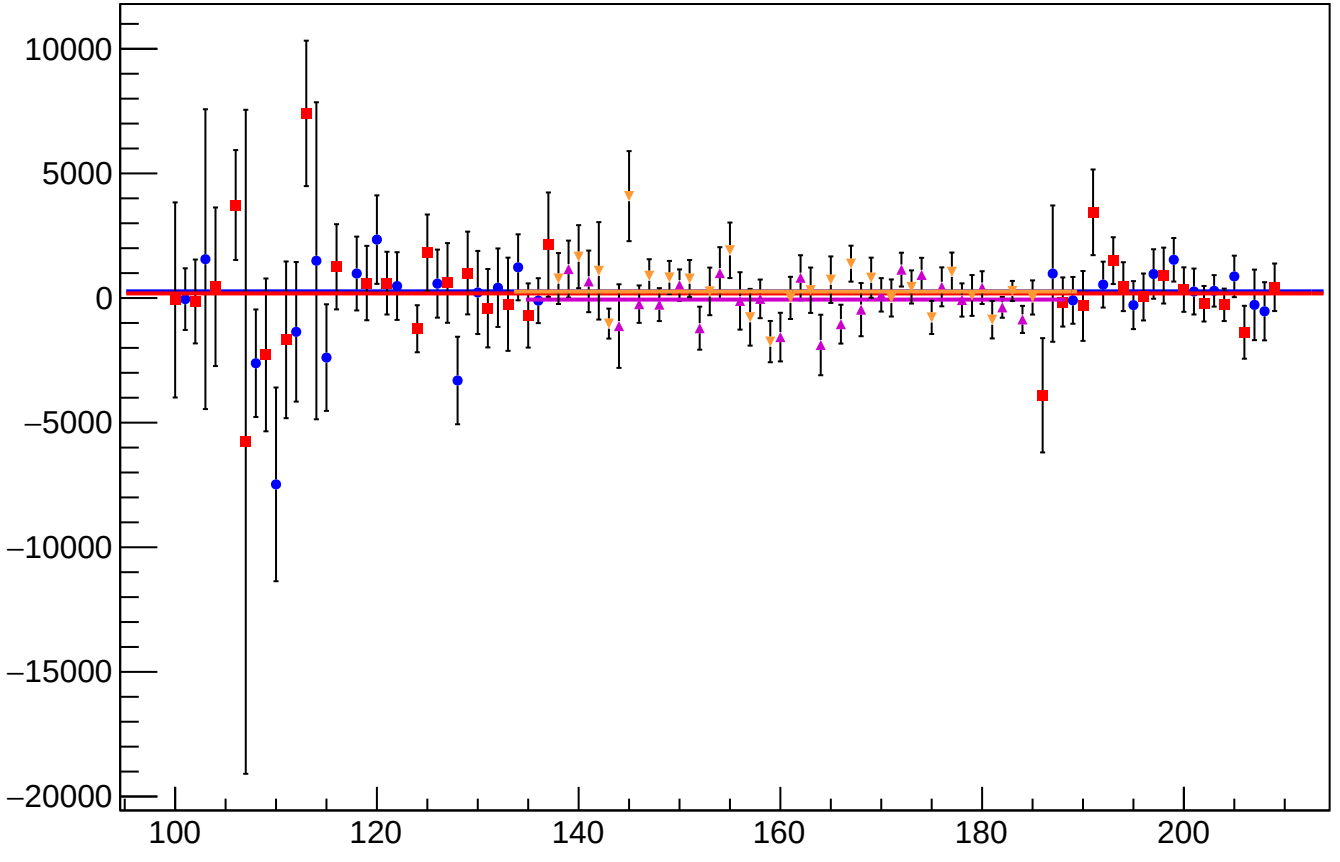
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF: 335162.0/51

All: 2413.529+/-0.203 χ^2/NDF: 1020583.7/10

- sign 2419.772+/-0.288 χ^2/NDF: 684483.6/54

asym_atl1_reg_correction_mean vs Slug



Right In: 268.338+/-233.820 χ^2/NDF: 18.7/26

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 184.262+/-223.455 χ^2/NDF: 28.3/31

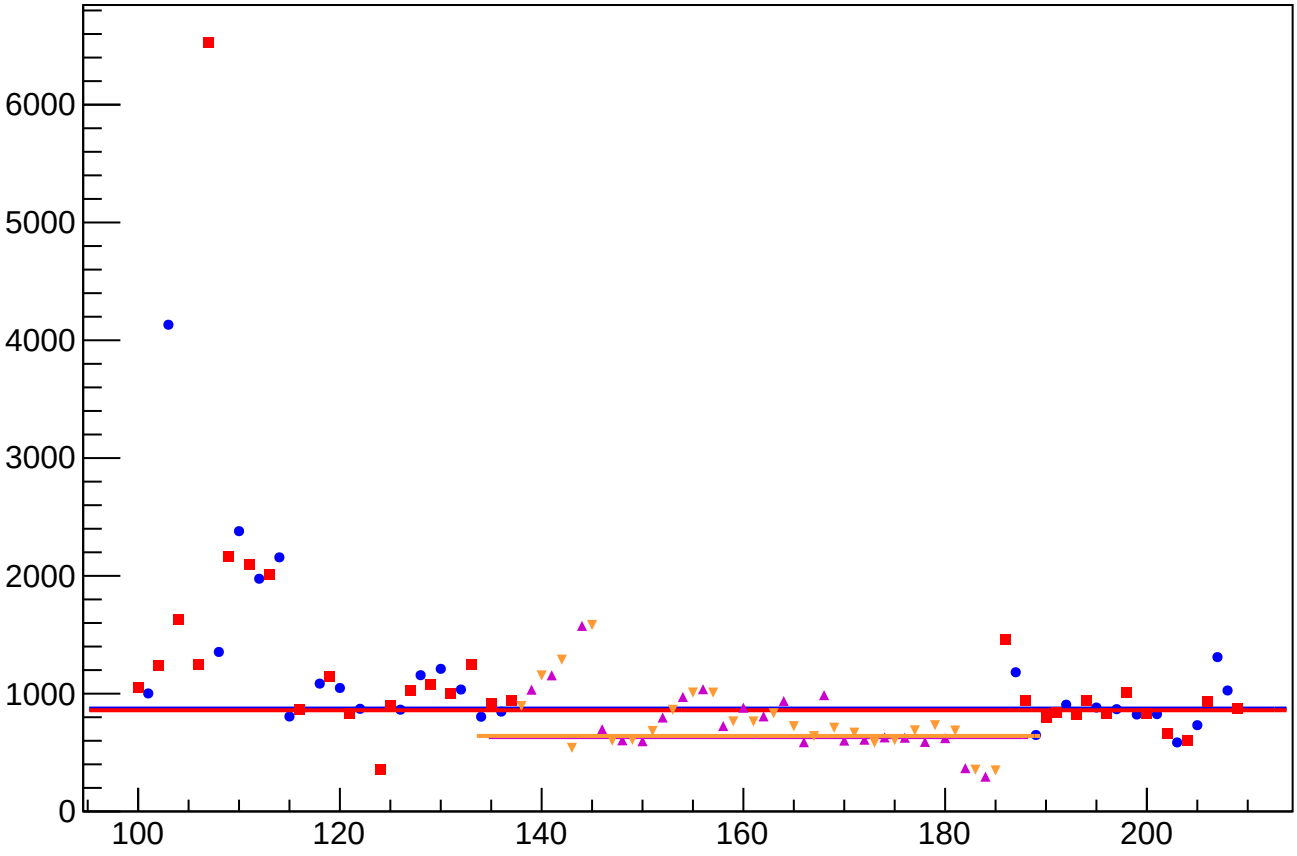
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 263.832+/-128.616 χ^2/NDF: 49.8/51

All: 141.819+/-90.967 χ^2/NDF: 102.7/106

- sign 19.690+/-128.677 χ^2/NDF: 51.1/54

asym_atl1_reg_correction_rms vs Slug



Right In: 873.504+/-0.165 χ^2/NDF: 2475732.0/26

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 859.163+/-0.158 χ^2/NDF: 3133737.0/31

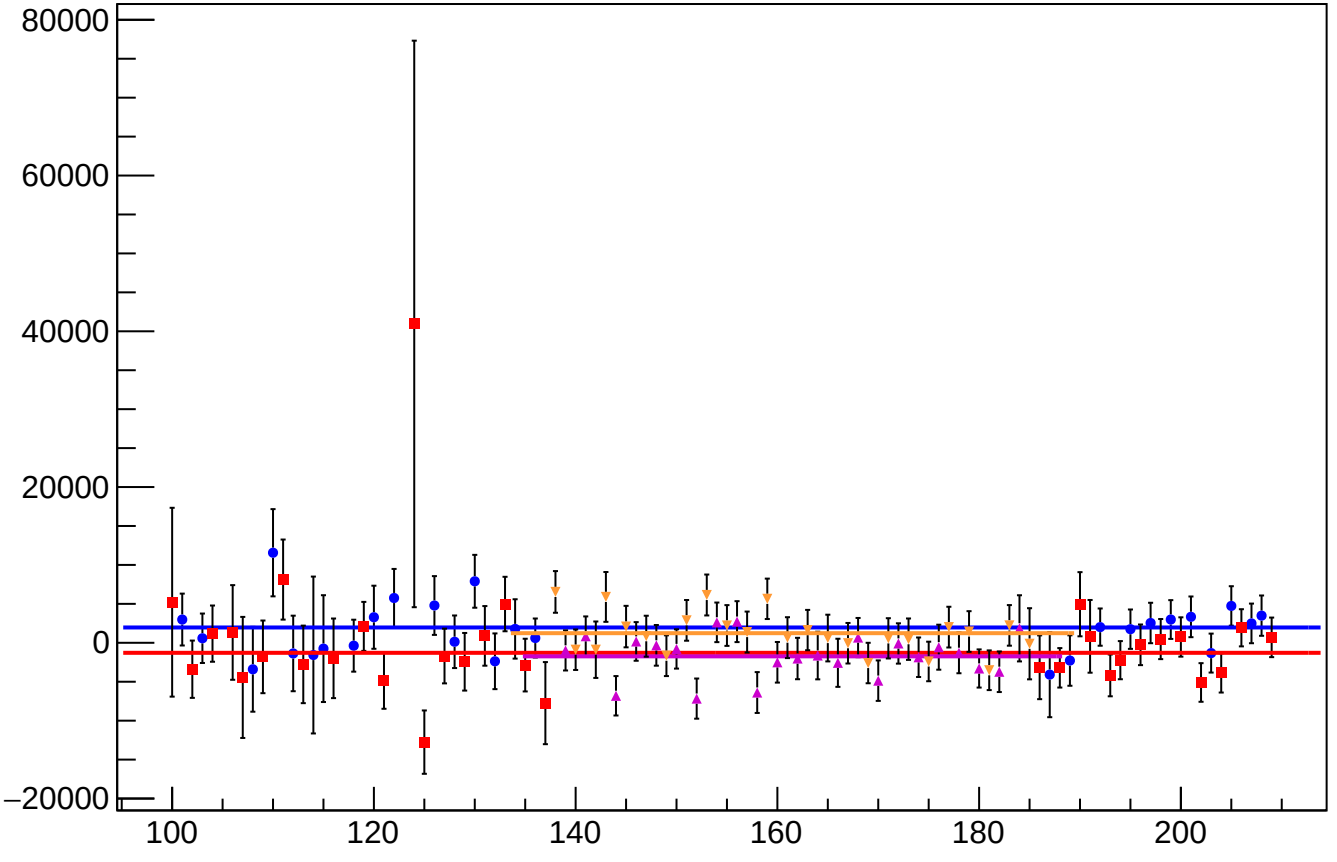
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 711.458+/-0.091 χ^2/NDF: 7327935.2/51

All: 709.127+/-0.064 χ^2/NDF: 15829713.1/10

- sign 706.794+/-0.091 χ^2/NDF: 8500463.1/54

cor_asym_atl1_mean vs Slug



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1287.652+/-601.860 χ^2/NDF: 33.4/31

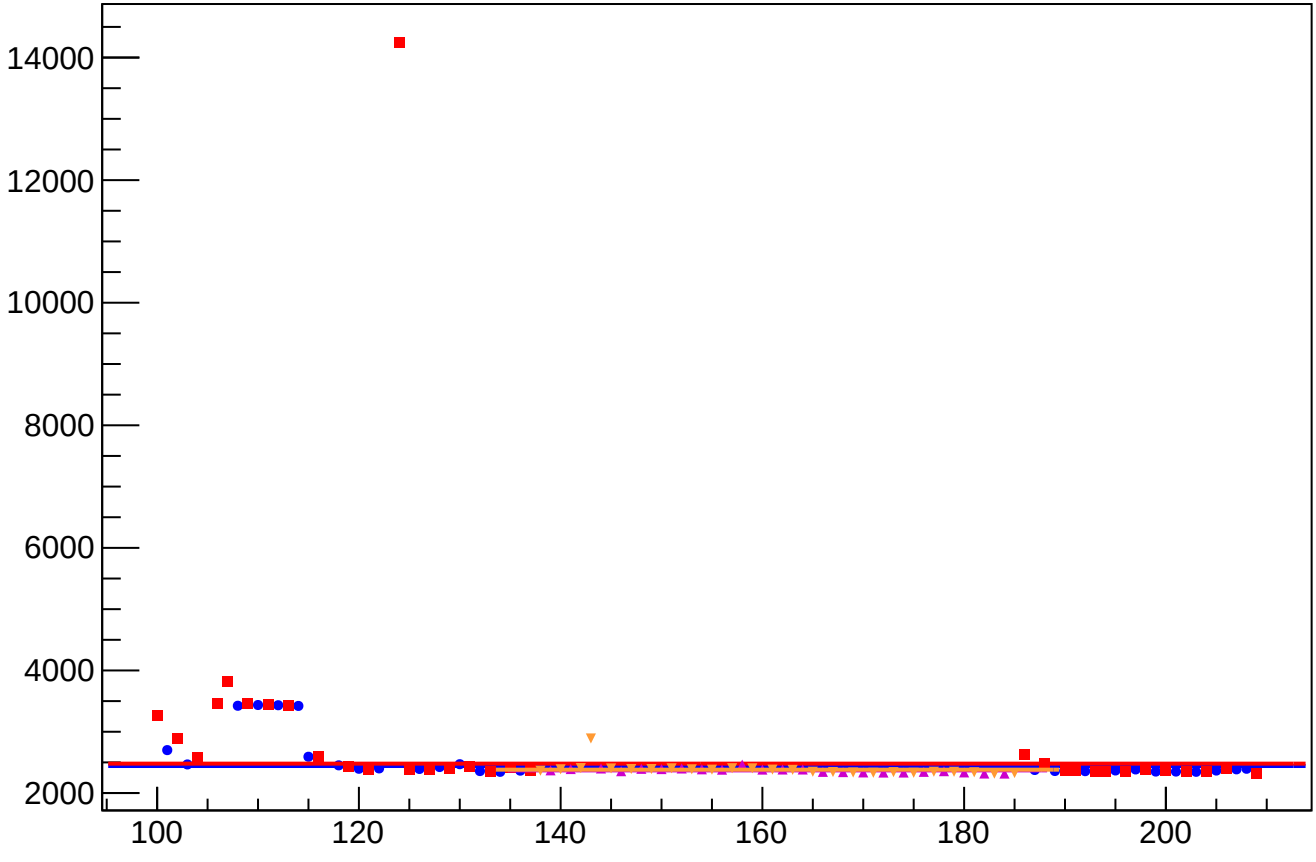
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1553.996+/-406.528 χ^2/NDF: 43.7/51

All: 13.072+/-287.735 χ^2/NDF: 130.5/106

- sign -1533.793+/-407.311 χ^2/NDF: 58.1/54

cor_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2479.559+/-0.426 χ^2/NDF: 644160.0/31

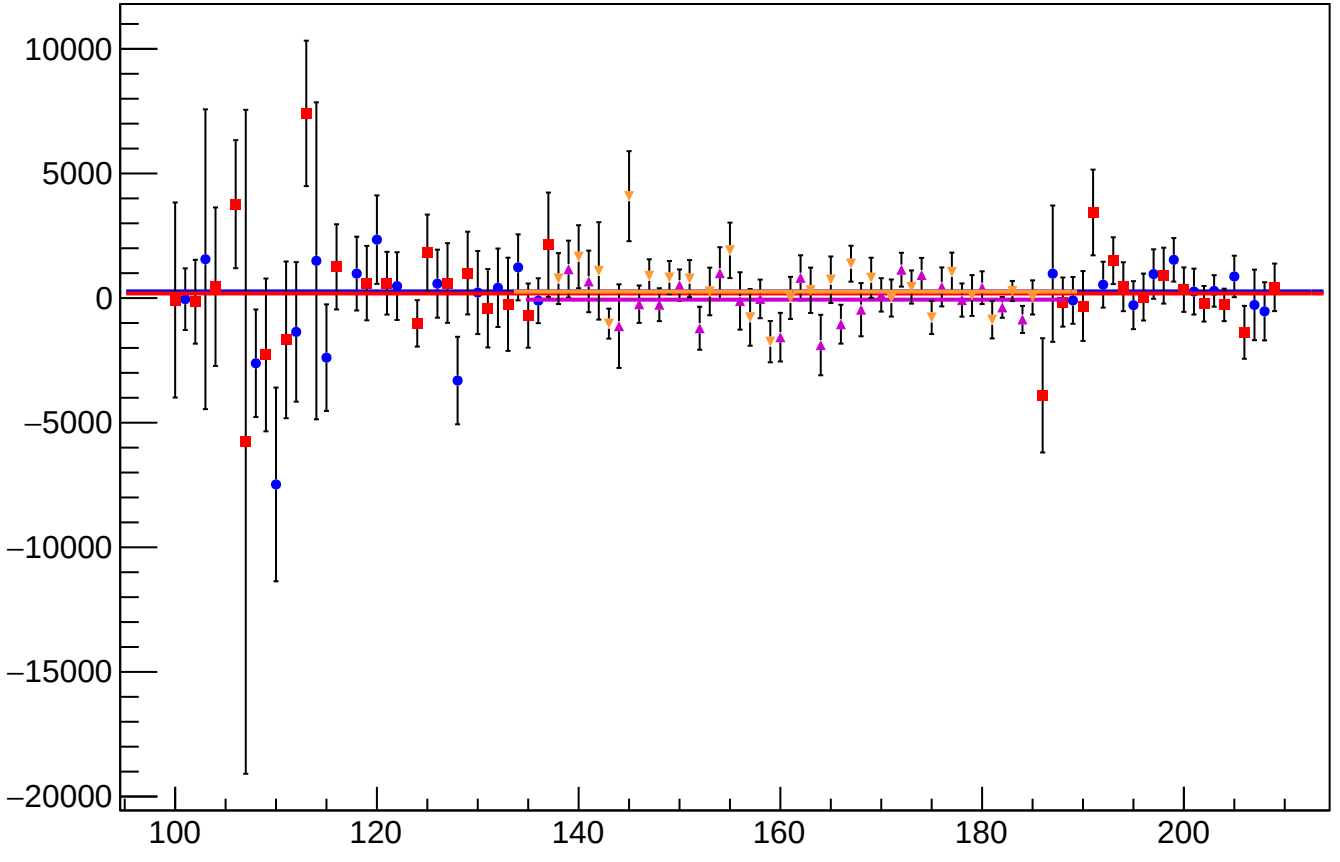
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF: 335162.0/51

All: 2413.565+/-0.203 χ^2/NDF: 1023630.0/10

- sign 2419.844+/-0.288 χ^2/NDF: 687519.2/54

asym_atl1_cor_correction_mean vs Slug



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 185.104+/-223.590 χ^2/NDF: 27.1/31

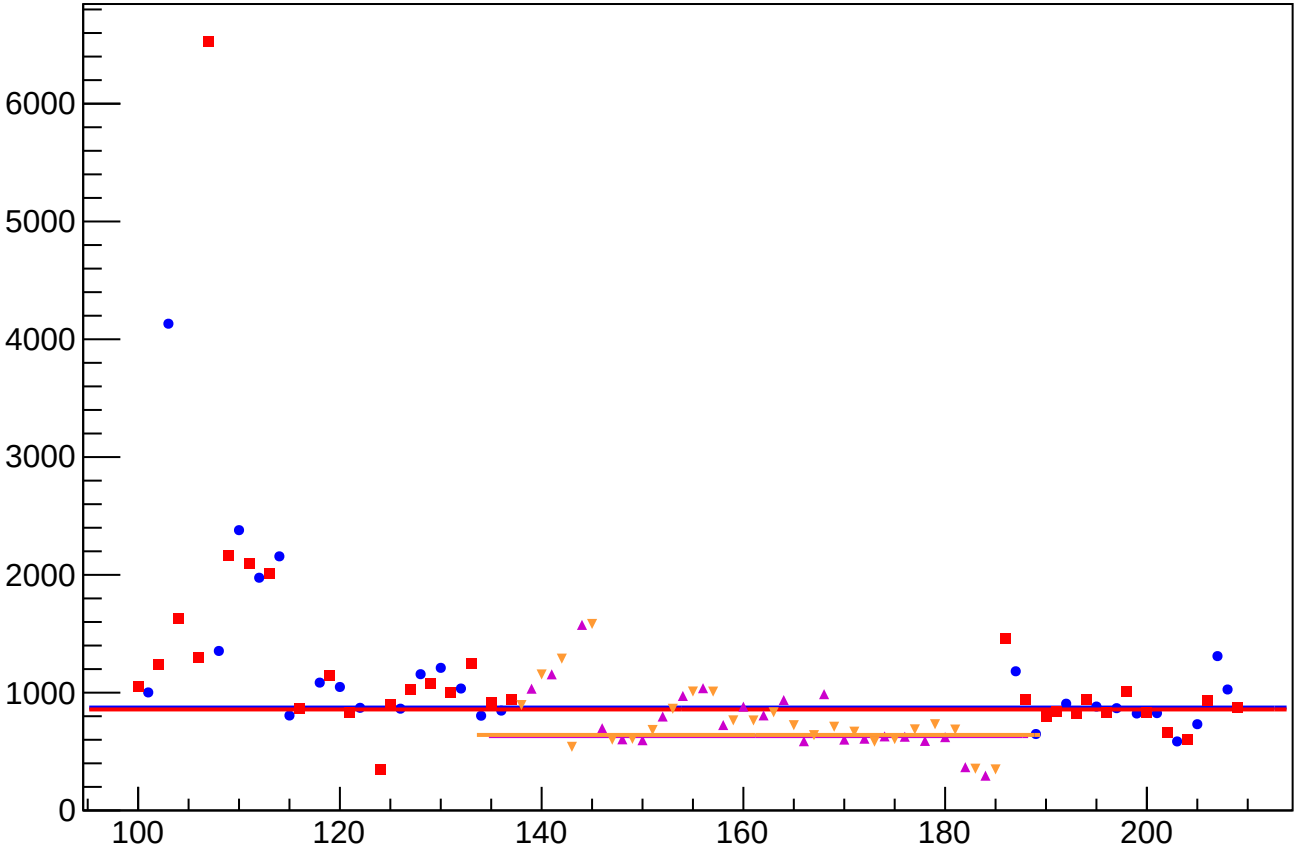
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 264.004+/-128.618 χ^2/NDF: 49.8/51

All: 142.029+/-90.977 χ^2/NDF: 101.5/106

\- sign 19.891+/-128.703 χ^2/NDF: 49.9/54

asym_atl1_cor_correction_rms vs Slug



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 857.458+/-0.158 χ^2/NDF: 3155239.8/31

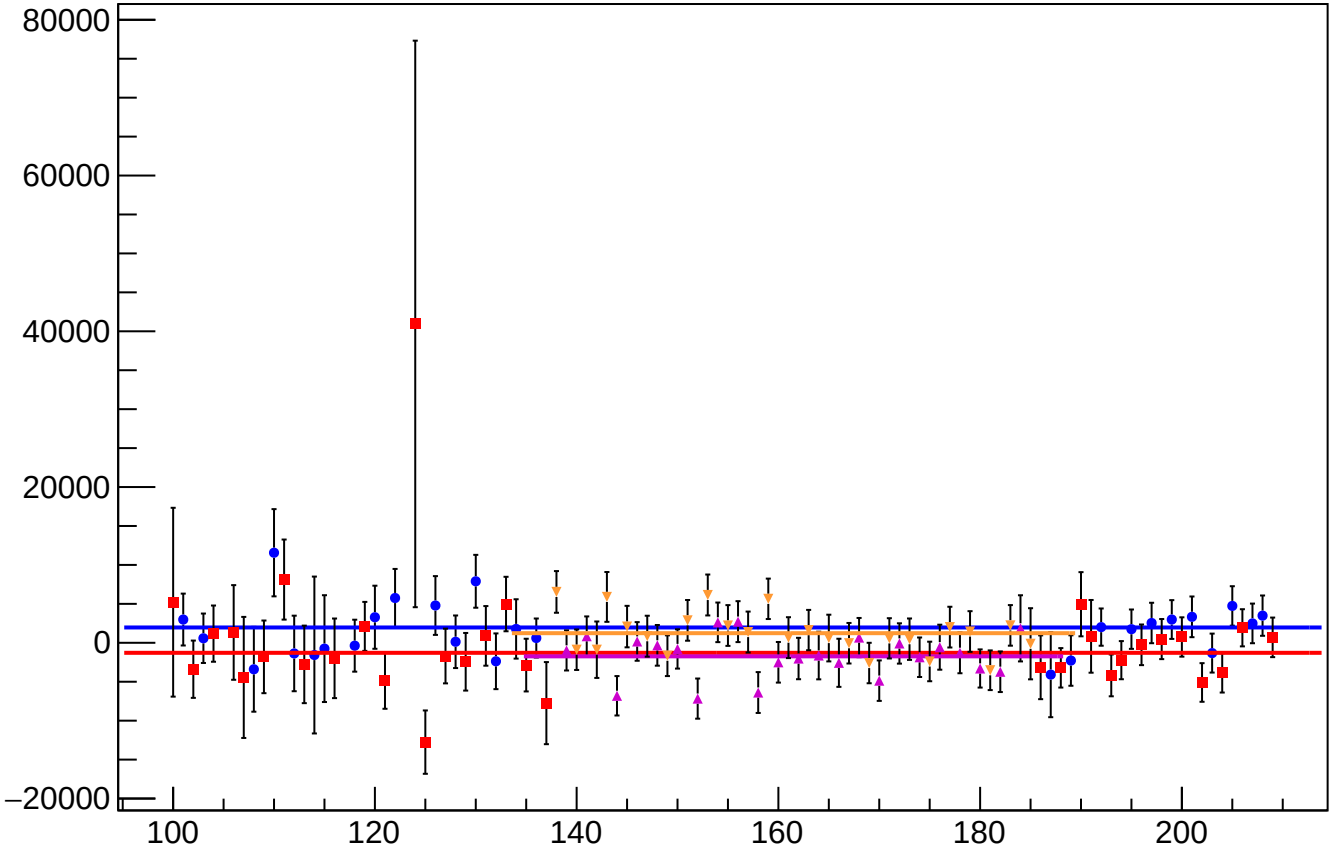
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 711.469+/-0.091 χ^2/NDF: 7327489.2/51

All: 708.819+/-0.064 χ^2/NDF: 15829466.2/10

- sign 706.166+/-0.091 χ^2/NDF: 8500278.2/54

eigen_cor_asym_atl1_mean vs Slug



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1287.652+/-601.860 χ^2/NDF: 33.4/31

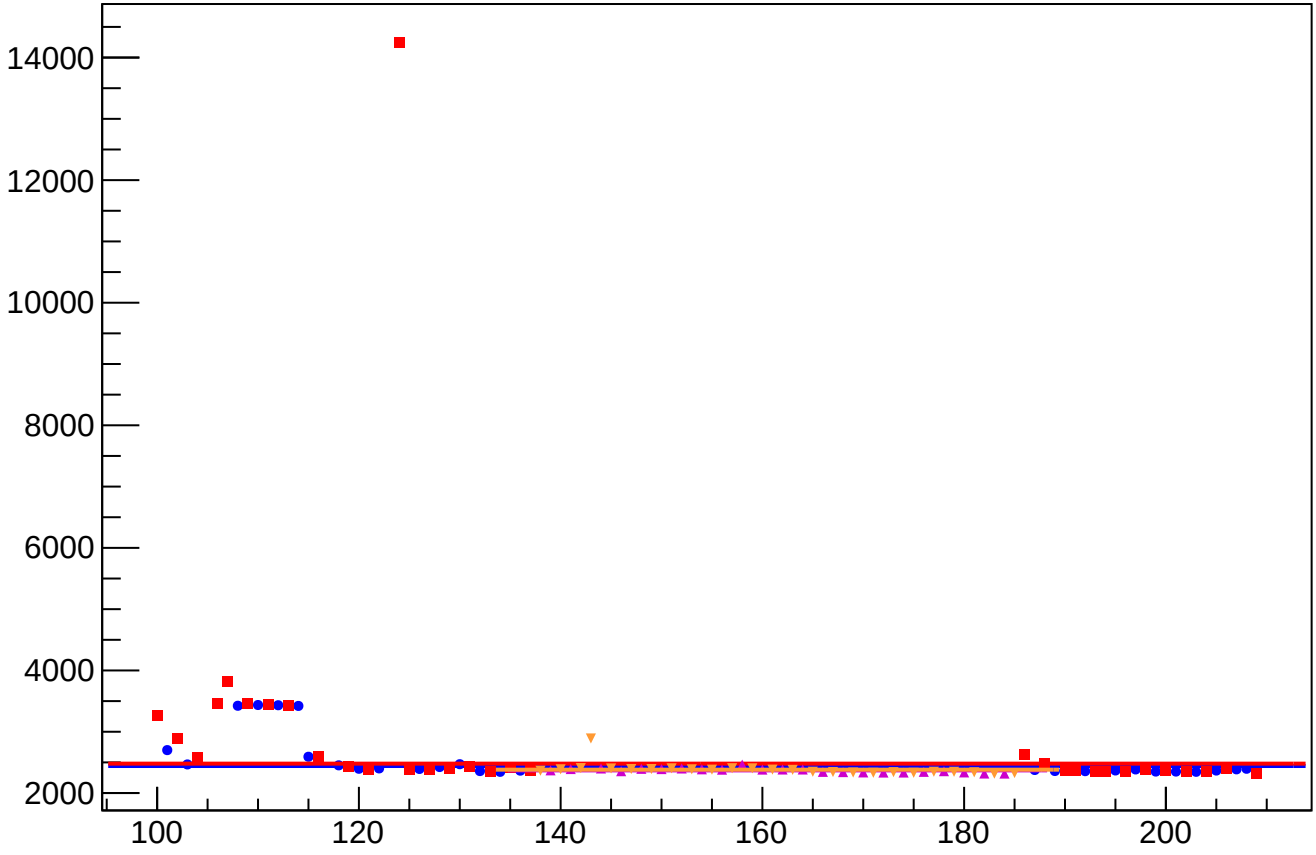
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1553.996+/-406.528 χ^2/NDF: 43.7/51

All: 13.072+/-287.735 χ^2/NDF: 130.5/106

- sign -1533.793+/-407.311 χ^2/NDF: 58.1/54

eigen_cor_asym_atl1_rms vs Slug



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2479.559+/-0.426 χ^2/NDF: 644160.0/31

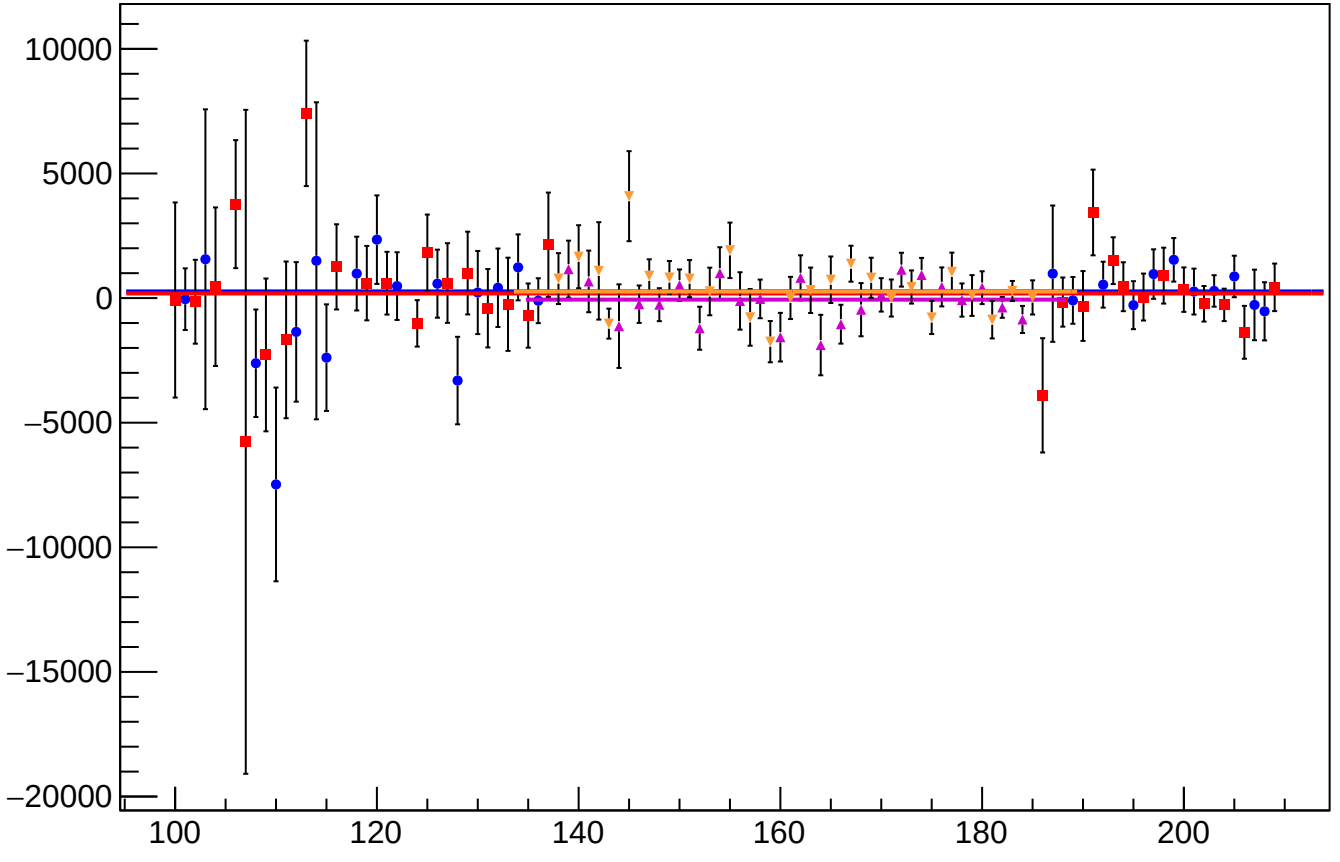
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2407.310+/-0.287 χ^2/NDF: 335162.0/51

All: 2413.565+/-0.203 χ^2/NDF: 1023630.0/10

- sign 2419.844+/-0.288 χ^2/NDF: 687519.2/54

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

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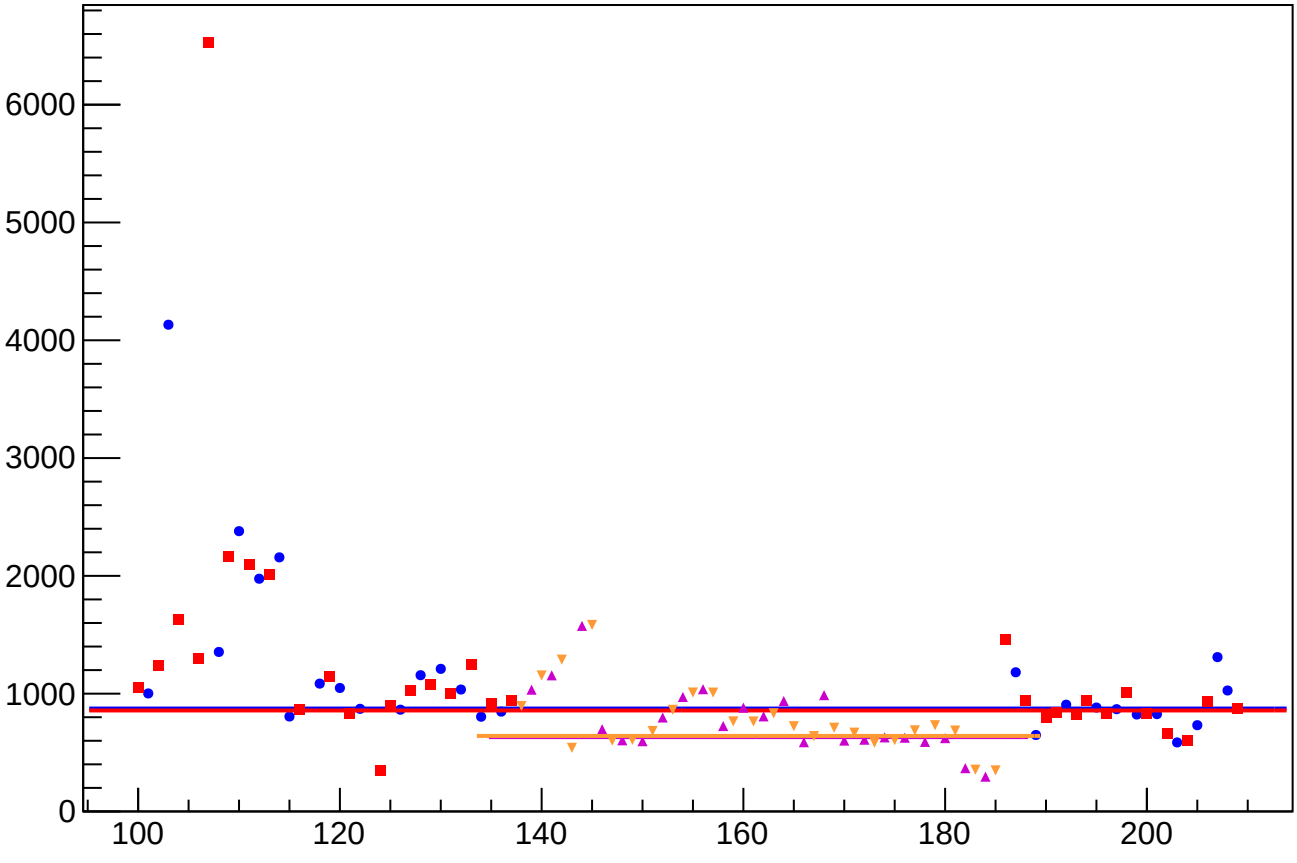
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 264.004+/-128.618 χ^2/NDF: 49.8/51

All: 142.029+/-90.977 χ^2/NDF: 101.5/106

- sign 19.891+/-128.703 χ^2/NDF: 49.9/54

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

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Right Out: 857.458+/-0.158 χ^2/NDF: 3155239.8/31

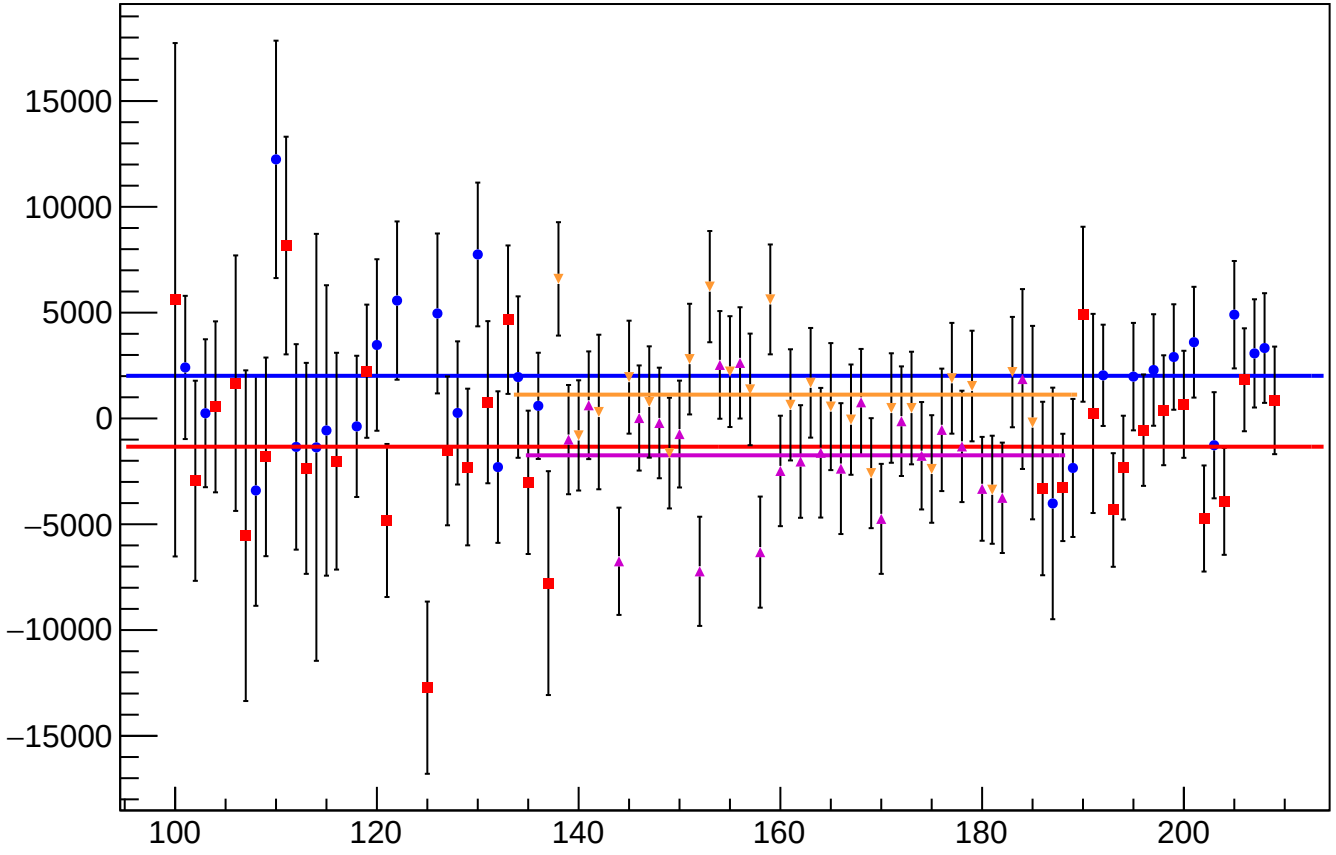
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 711.469+/-0.091 χ^2/NDF: 7327489.2/51

All: 708.819+/-0.064 χ^2/NDF: 15829466.2/10

- sign 706.166+/-0.091 χ^2/NDF: 8500278.2/54

dit_asym_atl1_mean vs Slug



Right In: 2015.159+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1335.207+/-609.224 χ^2/NDF: 30.8/30

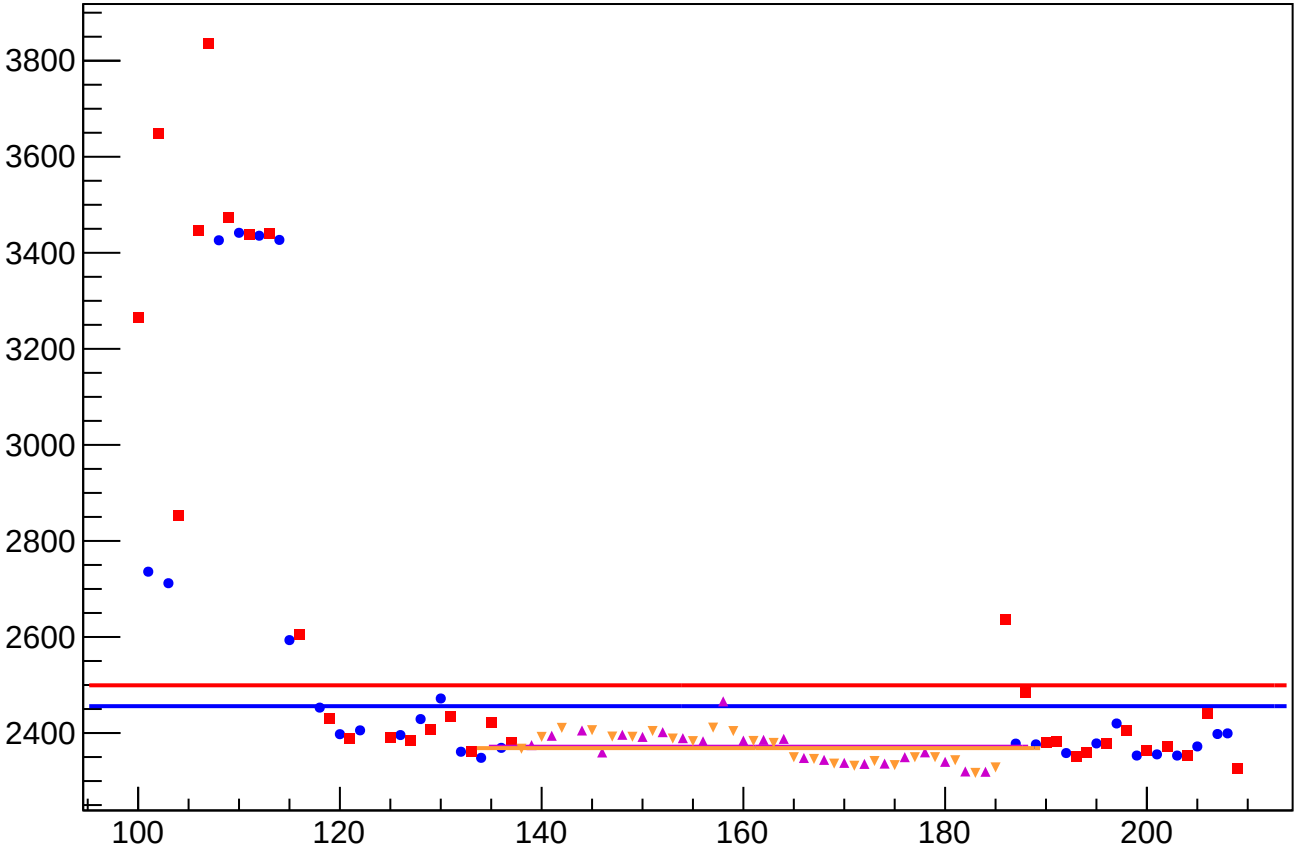
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1517.400+/-411.286 χ^2/NDF: 41.7/50

All: -26.030+/-290.287 χ^2/NDF: 124.6/104

- sign -1558.129+/-409.774 χ^2/NDF: 54.8/53

dit_asym_atl1_rms vs Slug



Right In: 2455.930+/-0.438 χ^2/NDF: 278208.2/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

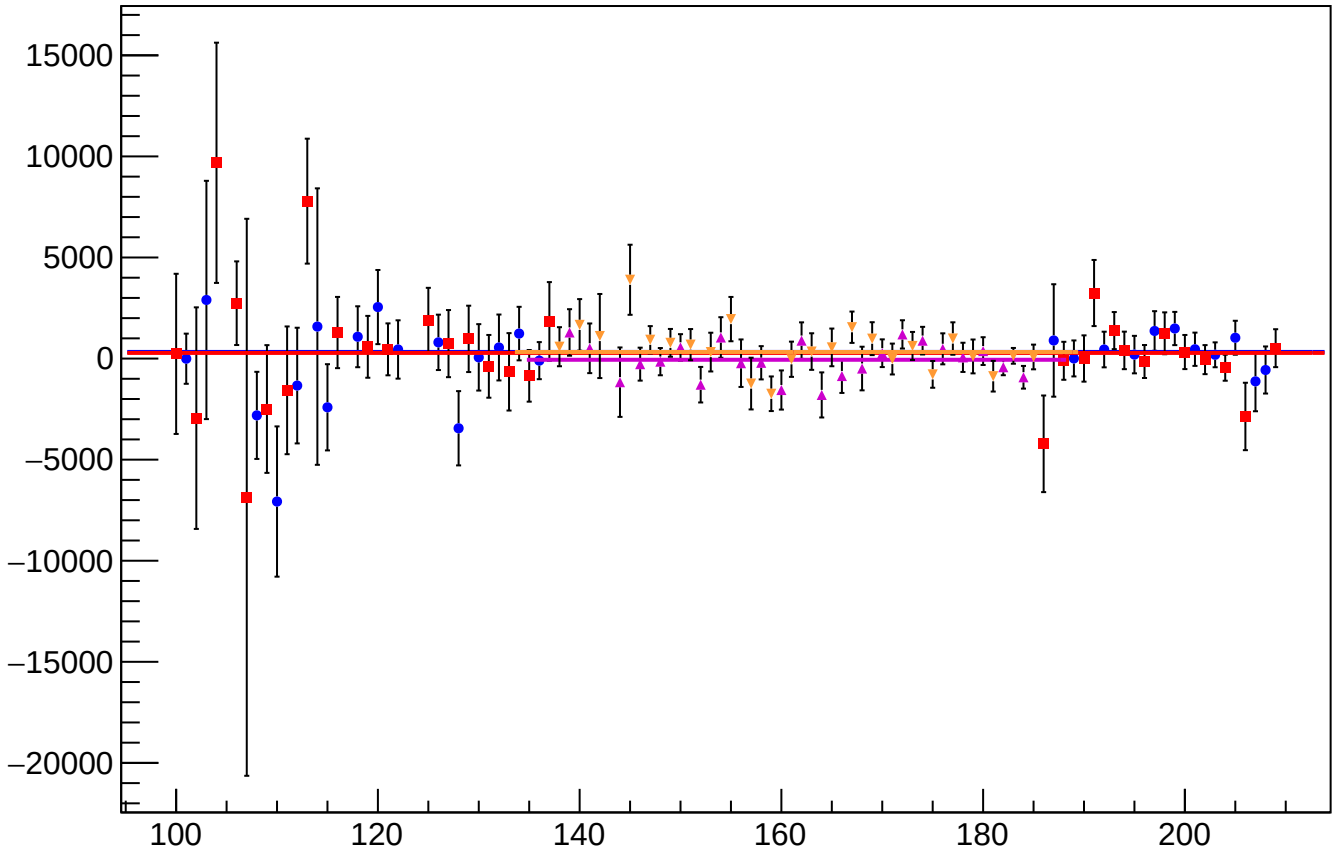
Right Out: 2499.360+/-0.431 χ^2/NDF: 540209.1/30

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.049+/-0.291 χ^2/NDF: 306018.5/50

All: 2418.243+/-0.205 χ^2/NDF: 904458.7/104

- sign 2429.355+/-0.290 χ^2/NDF: 595487.8/53



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 279.482+/-228.205 χ^2/NDF: 29.9/30

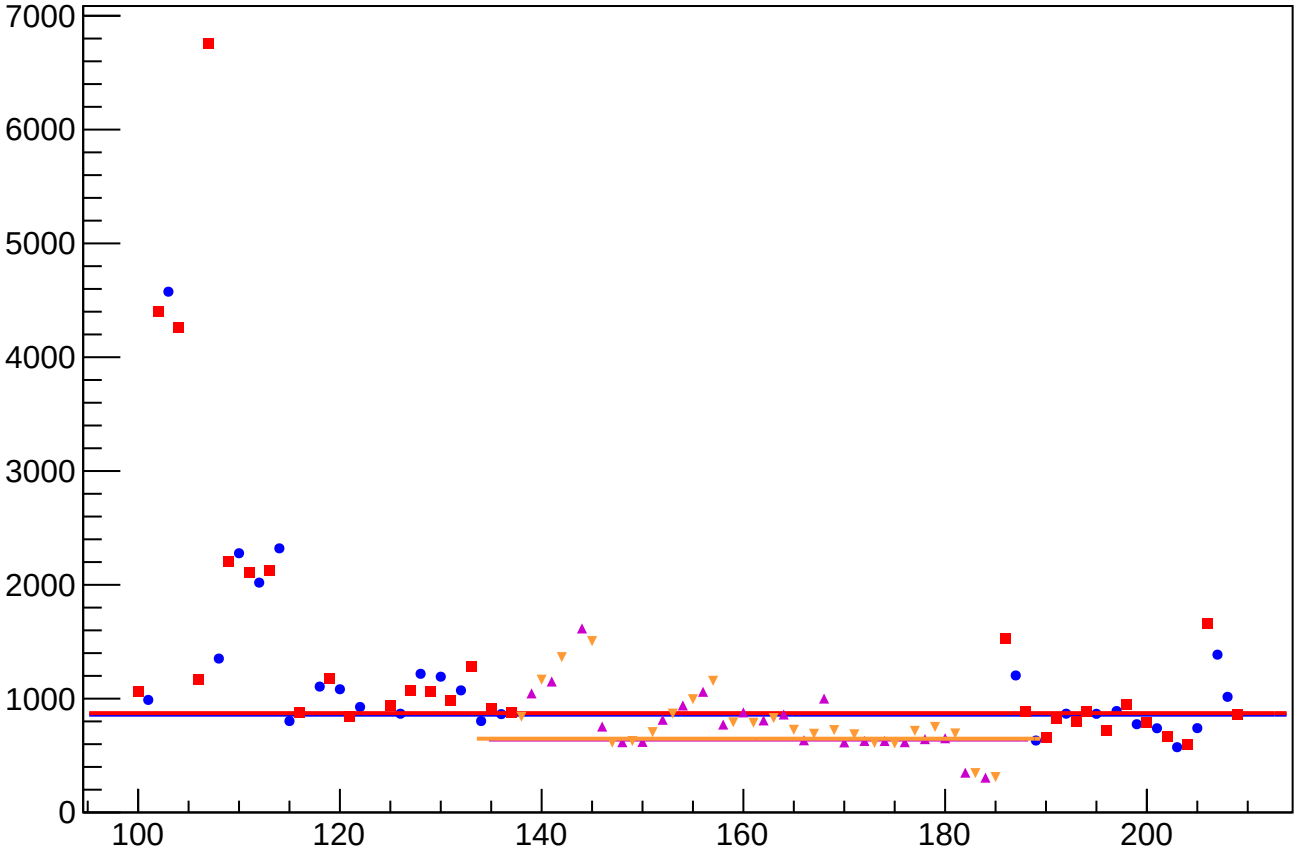
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 326.673+/-131.283 χ^2/NDF: 47.6/50

All: 188.771+/-92.669 χ^2/NDF: 103.9/104

- sign 51.828+/-130.826 χ^2/NDF: 54.1/53

asym_atl1_dit_correction_rms vs Slug



Right In: 859.231+/-0.162 χ^2/NDF: 2906946.6/26

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 872.654+/-0.161 χ^2/NDF: 4442568.4/30

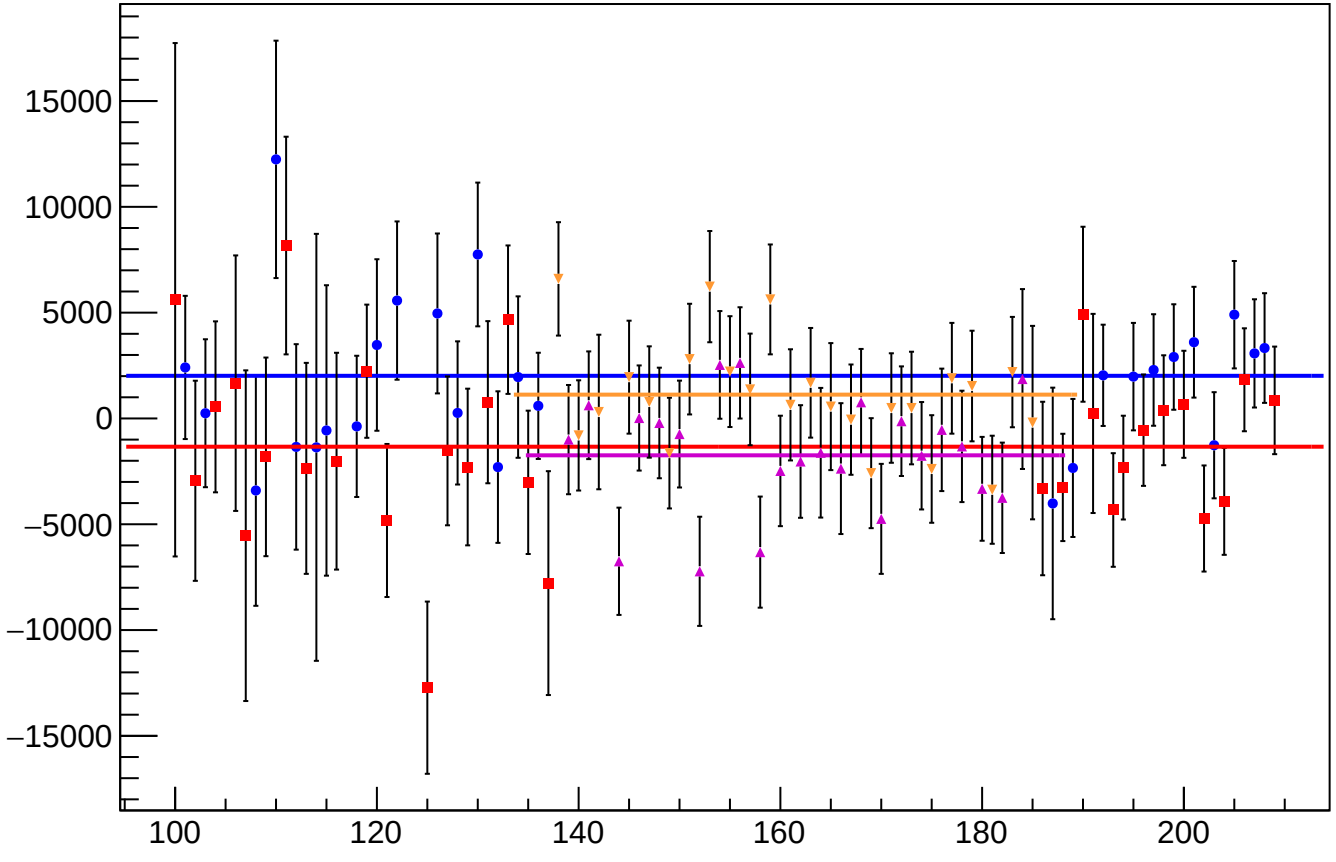
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 717.159+/-0.093 χ^2/NDF: 7932444.5/50

All: 716.952+/-0.066 χ^2/NDF: 17894277.9/10

- sign 716.746+/-0.093 χ^2/NDF: 9961823.5/53

eigen_dit_asym_atl1_mean vs Slug



Right In: 2015.156+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1335.207+/-609.224 χ^2/NDF: 30.8/30

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+ sign 1517.399+/-411.286 χ^2/NDF: 41.7/50

All: -26.030+/-290.287 χ^2/NDF: 124.6/104

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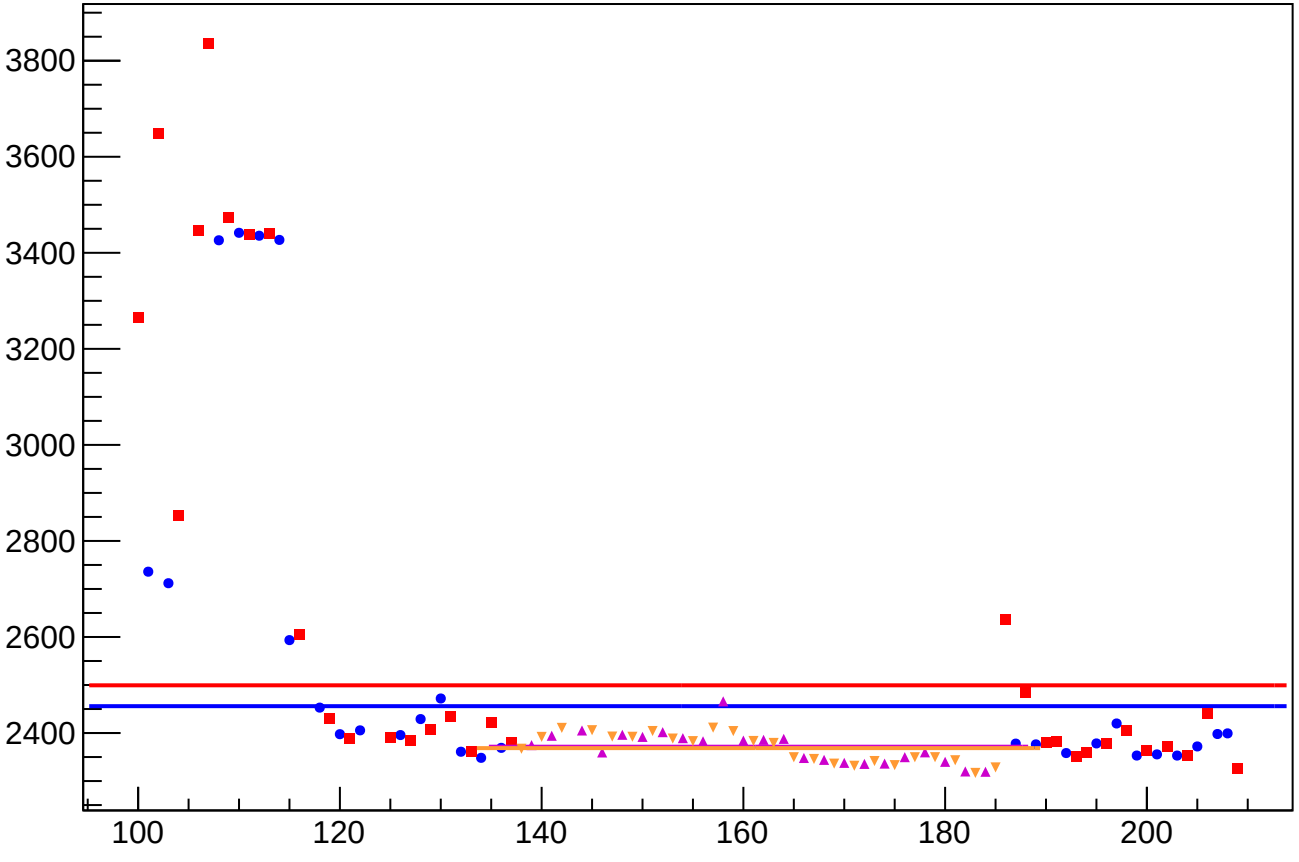
eigen_dit_asym_atl1_rms vs Slug



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Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2499.360+/-0.431 χ^2/NDF: 540208.2/30

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

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All: 2418.243+/-0.205 χ^2/NDF: 904457.2/104

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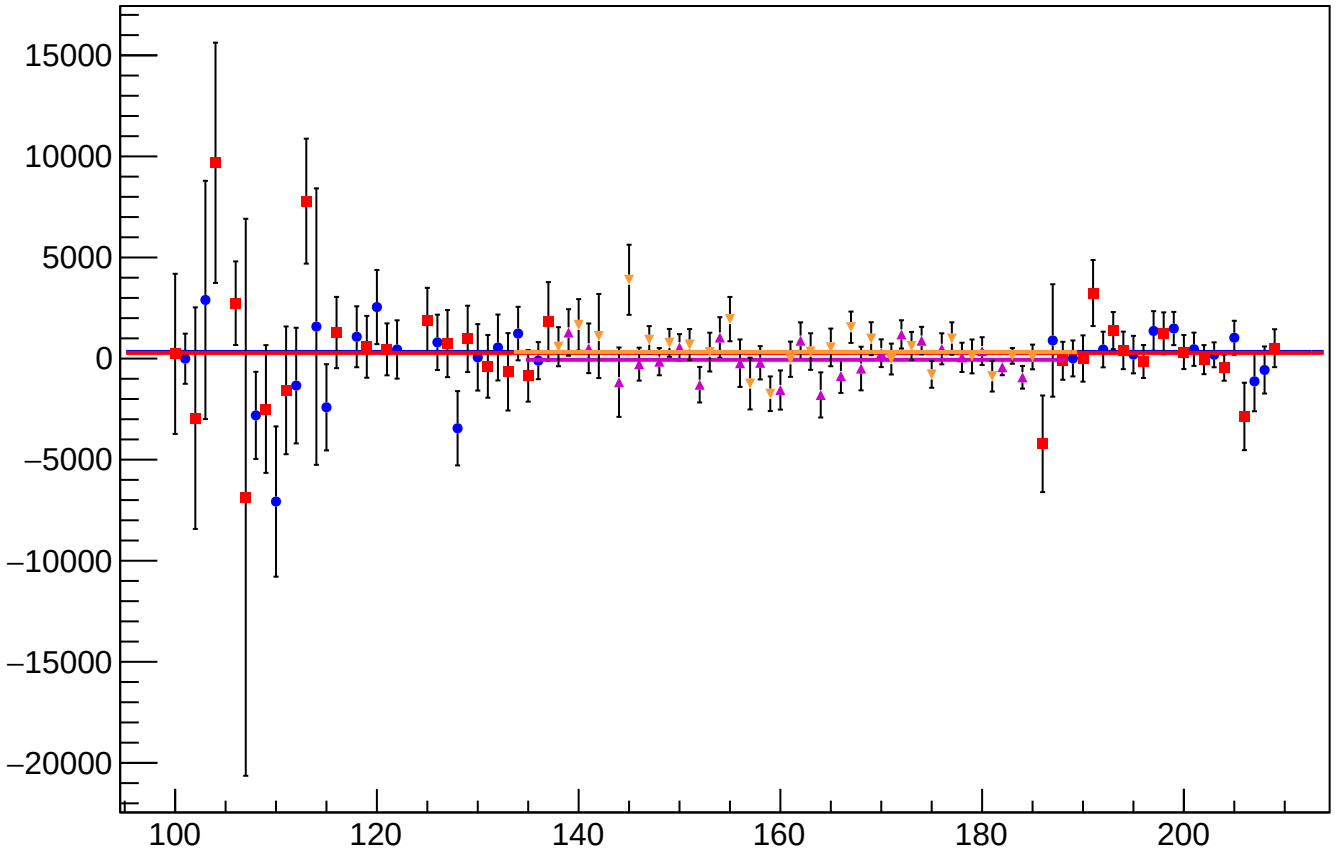


Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 279.483+/-228.205 χ^2/NDF: 29.9/30

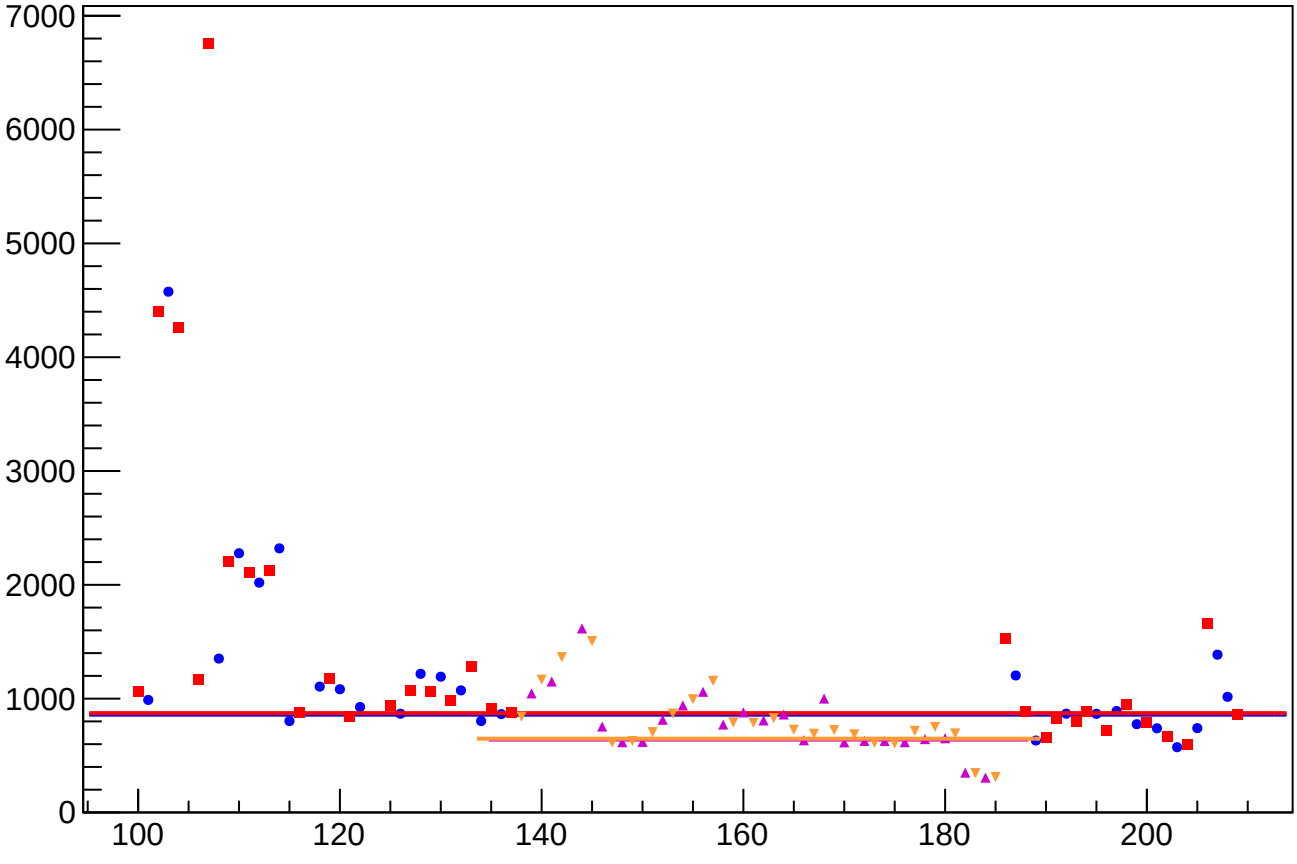
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 326.673+/-131.284 χ^2/NDF: 47.6/50

All: 188.771+/-92.669 χ^2/NDF: 103.9/104

- sign 51.828+/-130.826 χ^2/NDF: 54.1/53

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 859.230+/-0.162 χ^2/NDF: 2906948.8/26

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 872.654+/-0.161 χ^2/NDF: 4442572.6/30

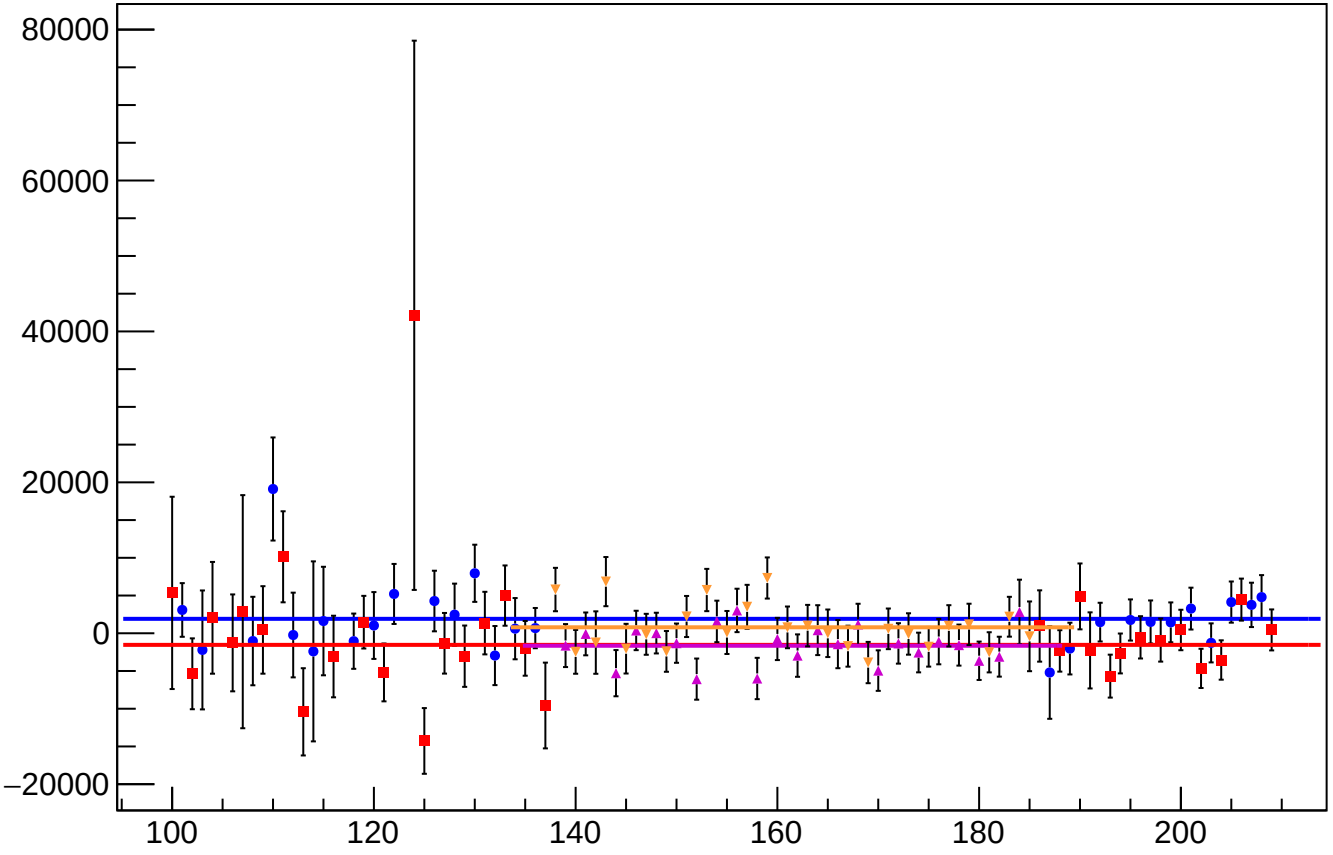
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 717.160+/-0.093 χ^2/NDF: 7932442.8/50

All: 716.952+/-0.066 χ^2/NDF: 17894281.6/10

- sign 716.746+/-0.093 χ^2/NDF: 9961828.8/53

asym_atl1_mean vs Slug



Right In: 1912.776+/-680.096 χ^2/NDF: 19.9/26

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1537.738+/-665.373 χ^2/NDF: 37.3/31

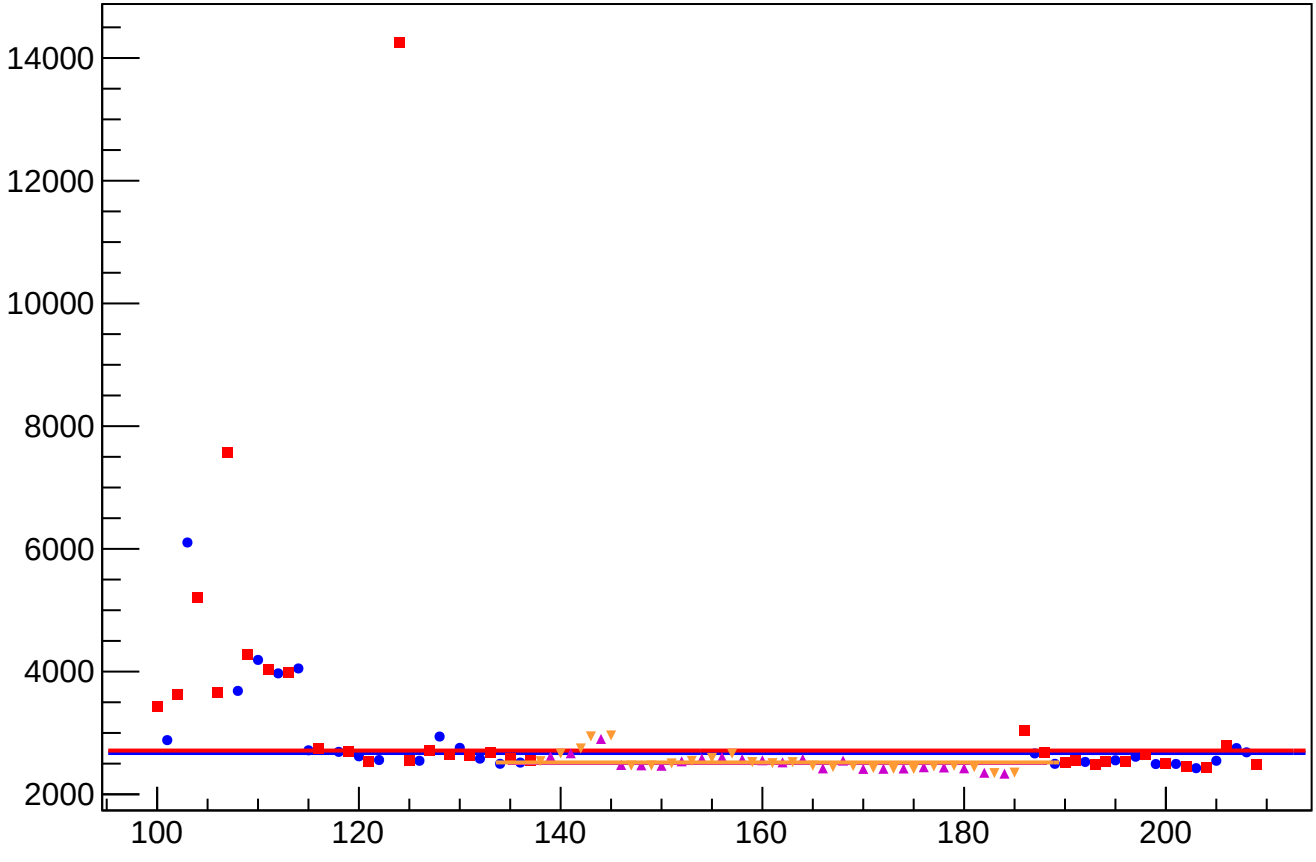
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1257.220+/-438.322 χ^2/NDF: 48.7/51

All: -167.386+/-310.563 χ^2/NDF: 124.5/106

- sign -1603.491+/-440.087 χ^2/NDF: 54.6/54

asym_atl1_rms vs Slug



Right In: 2672.779+/-0.481 χ^2/NDF: 761213.7/26

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2712.992+/-0.470 χ^2/NDF: 1219614.6/31

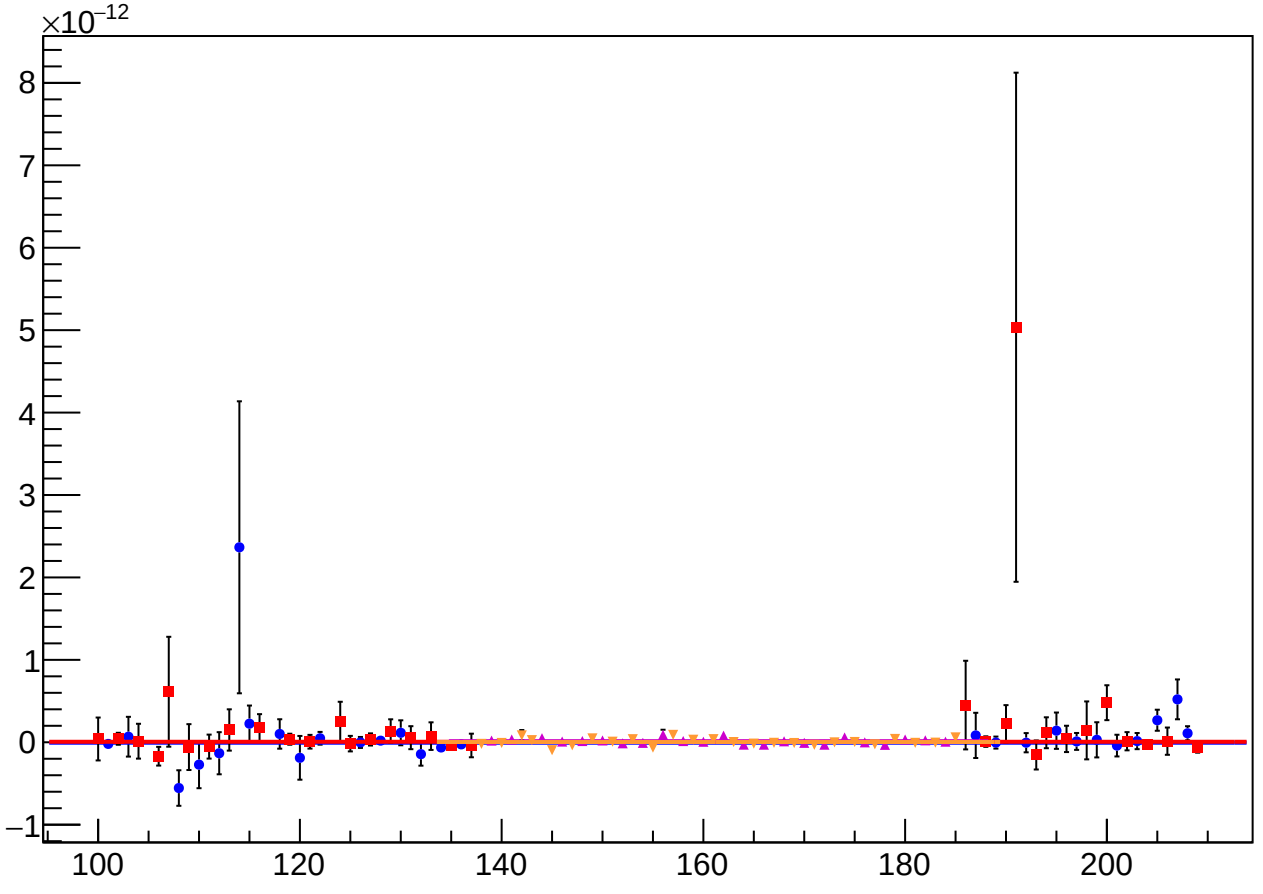
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2583.178+/-0.310 χ^2/NDF: 935798.1/51

All: 2591.003+/-0.220 χ^2/NDF: 2335016.4/10

- sign 2598.890+/-0.311 χ^2/NDF: 1397938.5/54

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/31

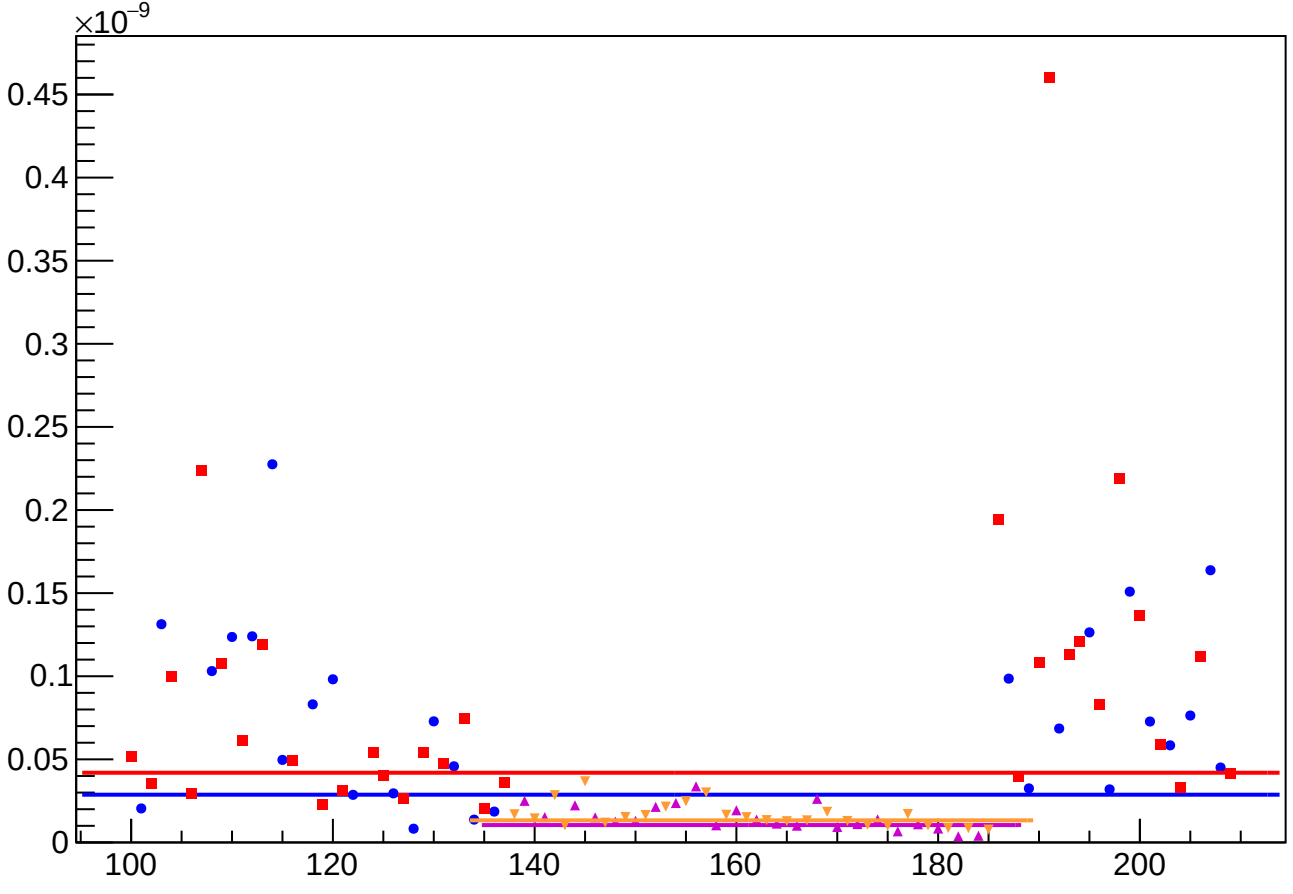
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/51

All: 0.000+/-0.000 χ^2/NDF: 112.0/106

- sign 0.000+/-0.000 χ^2/NDF: 52.8/54

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5446245.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3949079.9/31

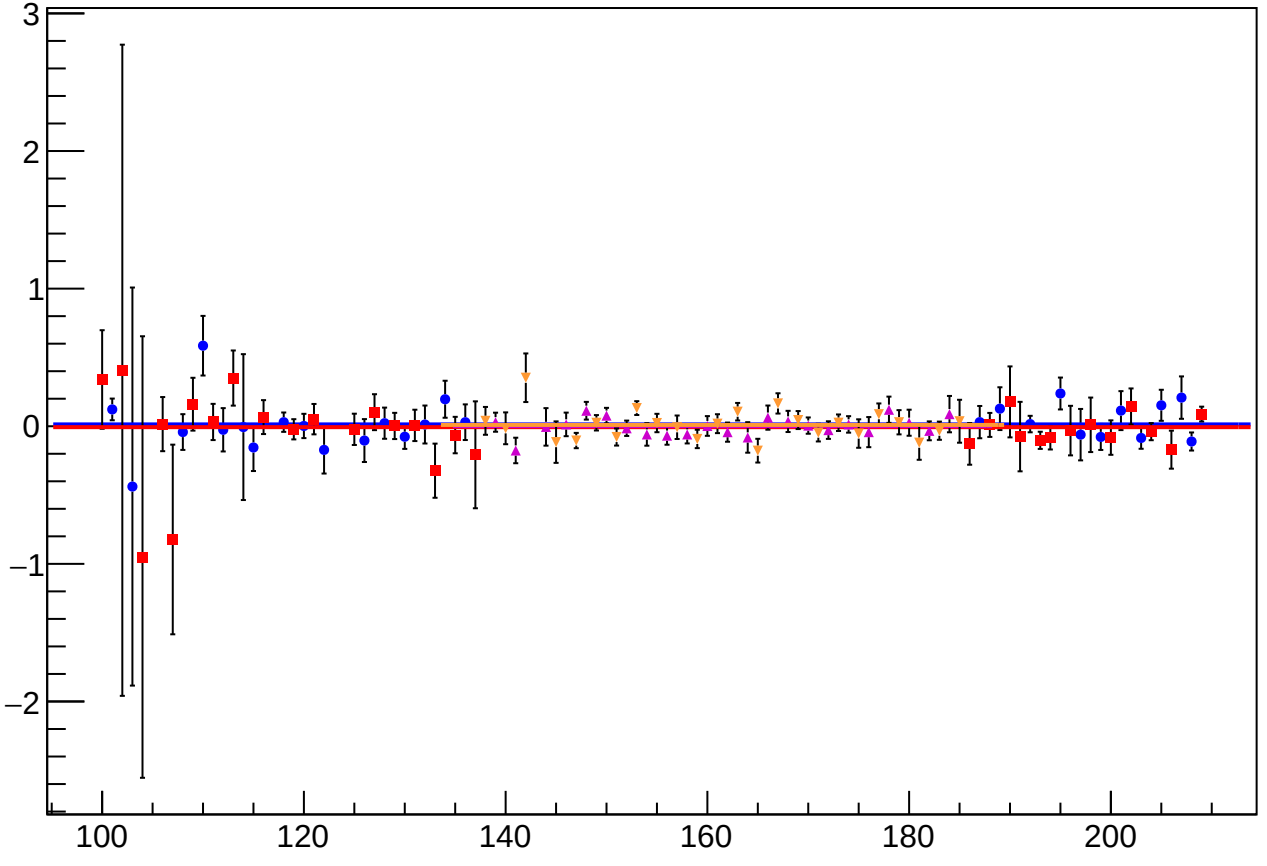
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8707423.2/51

All: 0.000+/-0.000 χ^2/NDF: 20858051.1/106

- sign 0.000+/-0.000 χ^2/NDF: 11865843.6/54

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.021 χ^2/NDF: 22.2/30

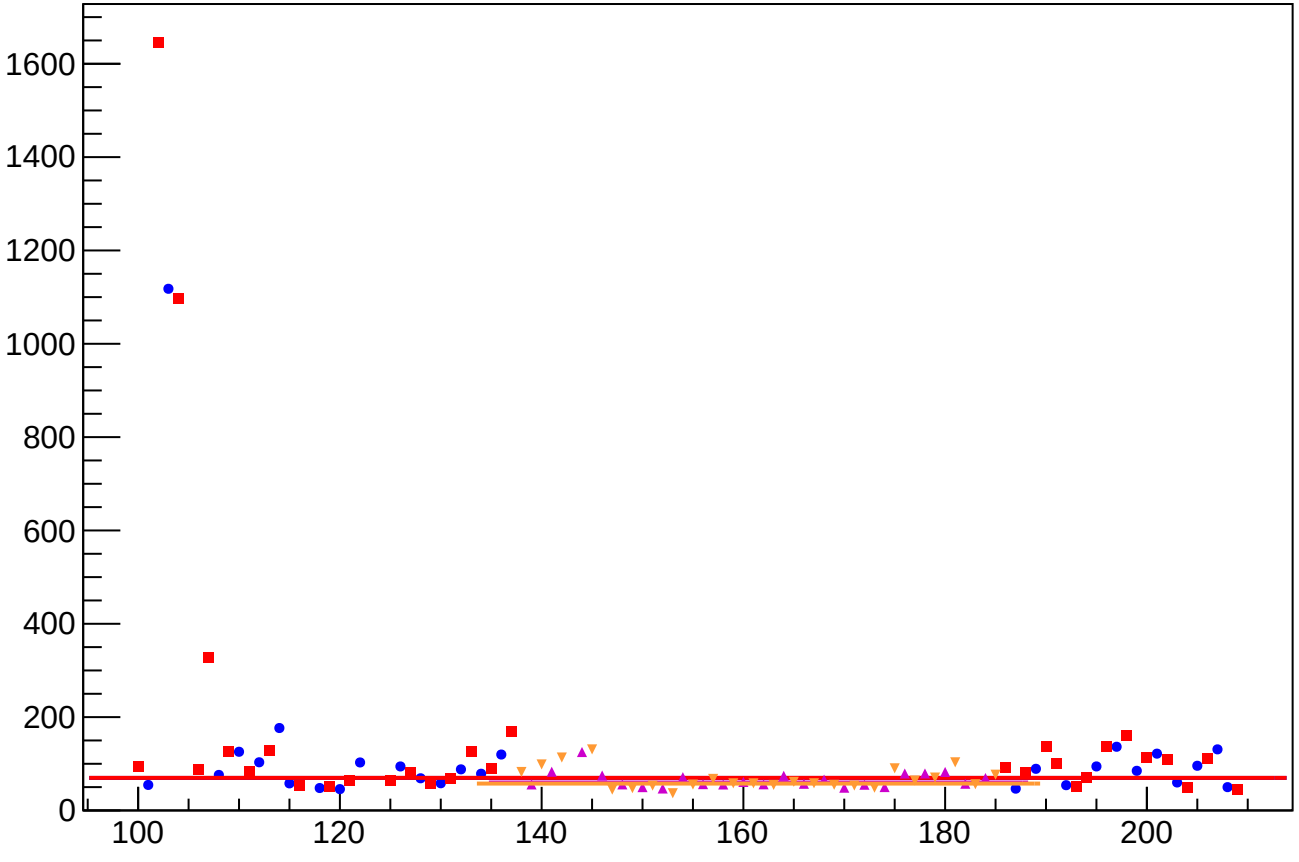
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.005+/-0.009 χ^2/NDF: 102.2/104

- sign -0.002+/-0.012 χ^2/NDF: 37.8/53

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299635.0/30

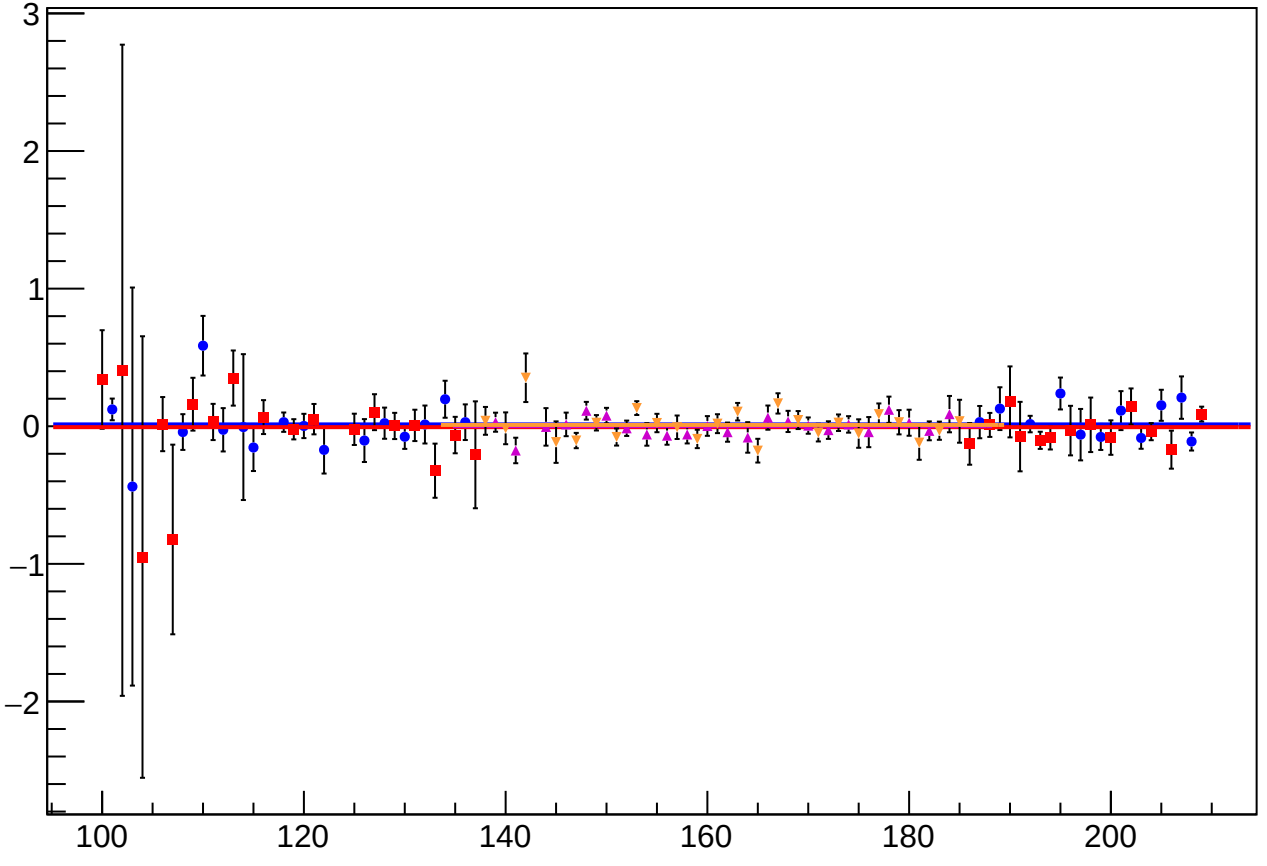
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.724+/-0.009 χ^2/NDF: 6475244.3/50

All: 62.560+/-0.006 χ^2/NDF: 13433279.2/104

- sign 63.415+/-0.009 χ^2/NDF: 6939235.2/53

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.021 χ^2/NDF: 22.2/30

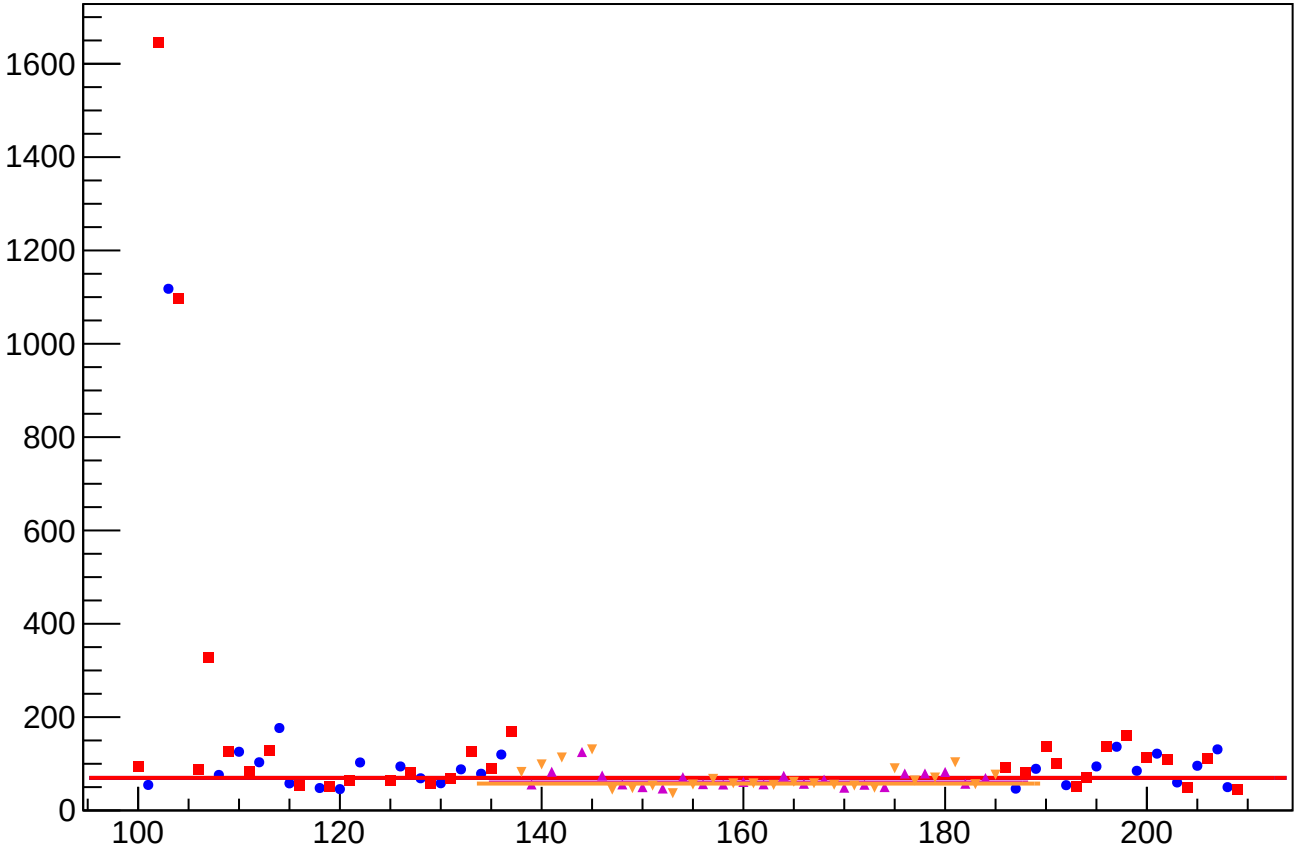
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.005+/-0.009 χ^2/NDF: 102.2/104

- sign -0.002+/-0.012 χ^2/NDF: 37.8/53

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

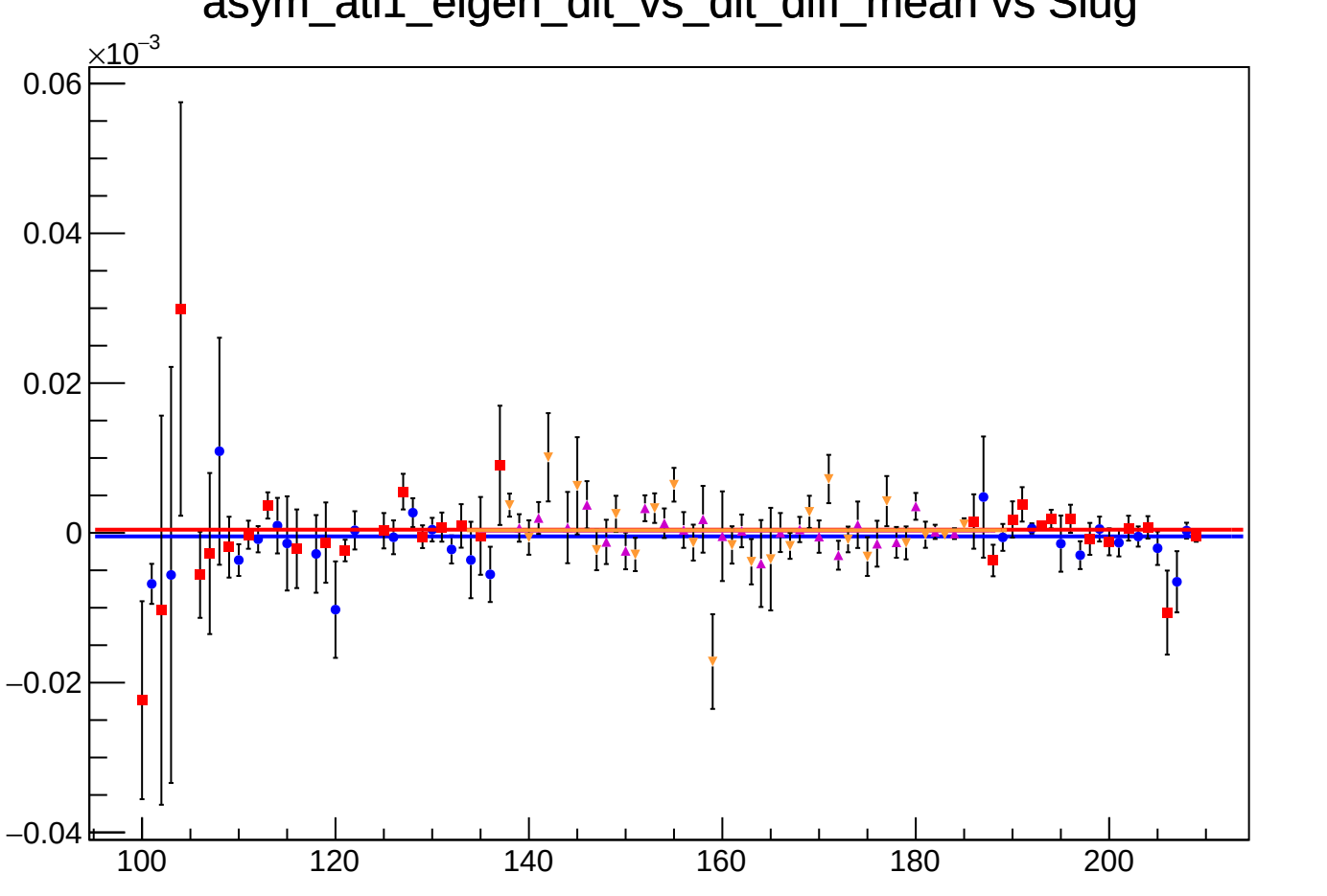
Right Out: 69.826+/-0.015 χ^2/NDF: 5299635.0/30

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

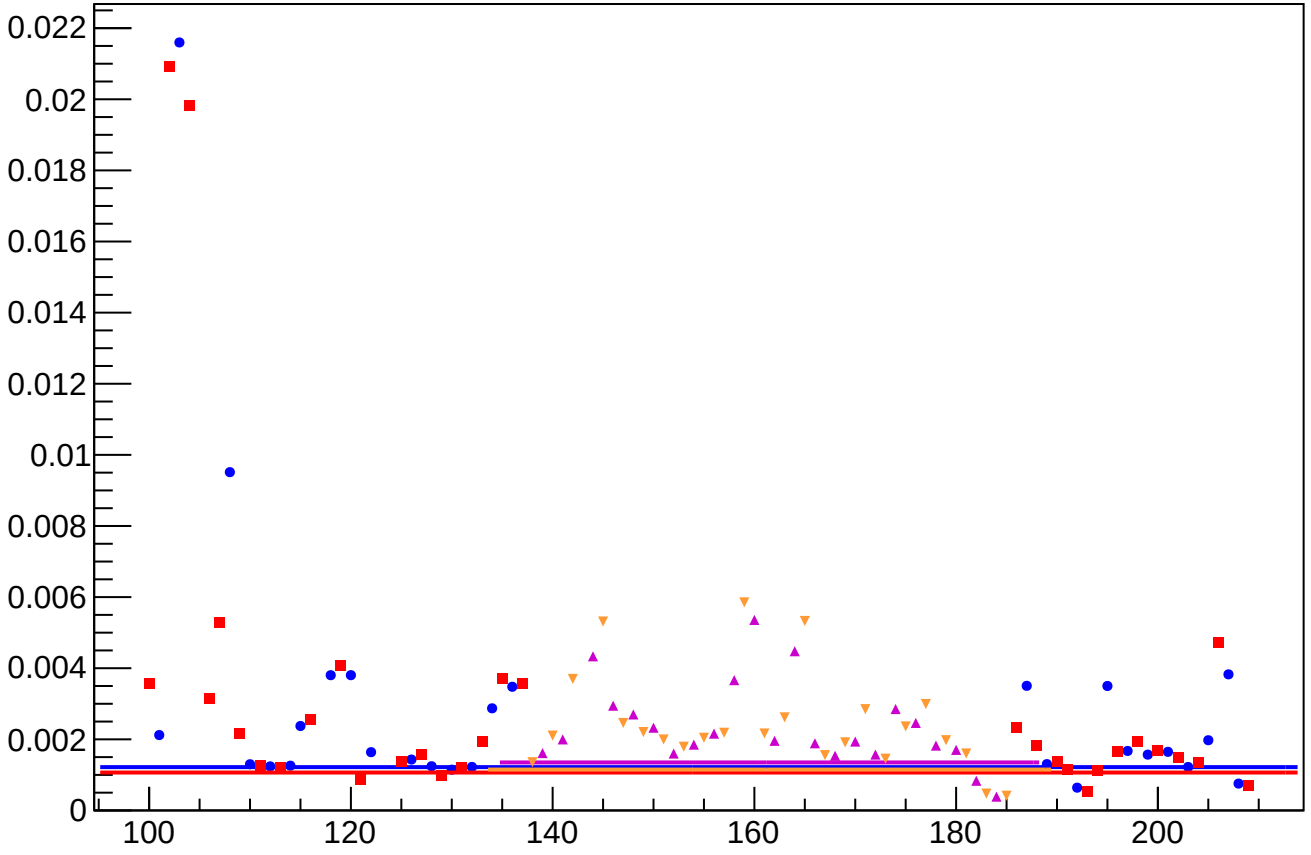
+ sign 61.724+/-0.009 χ^2/NDF: 6475244.3/50

All: 62.560+/-0.006 χ^2/NDF: 13433279.2/104

- sign 63.415+/-0.009 χ^2/NDF: 6939235.2/53


asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.9/26
Left Out: 0.000+/-0.000 χ²/NDF:46.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.8/30
Left In: 0.000+/-0.000 χ²/NDF:14.9/22
+ sign -0.000+/-0.000 χ²/NDF: 75.3/50
All: 0.000+/-0.000 χ²/NDF: 126.5/104
- sign 0.000+/-0.000 χ²/NDF: 49.8/53

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 7900025.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9184763.2/30

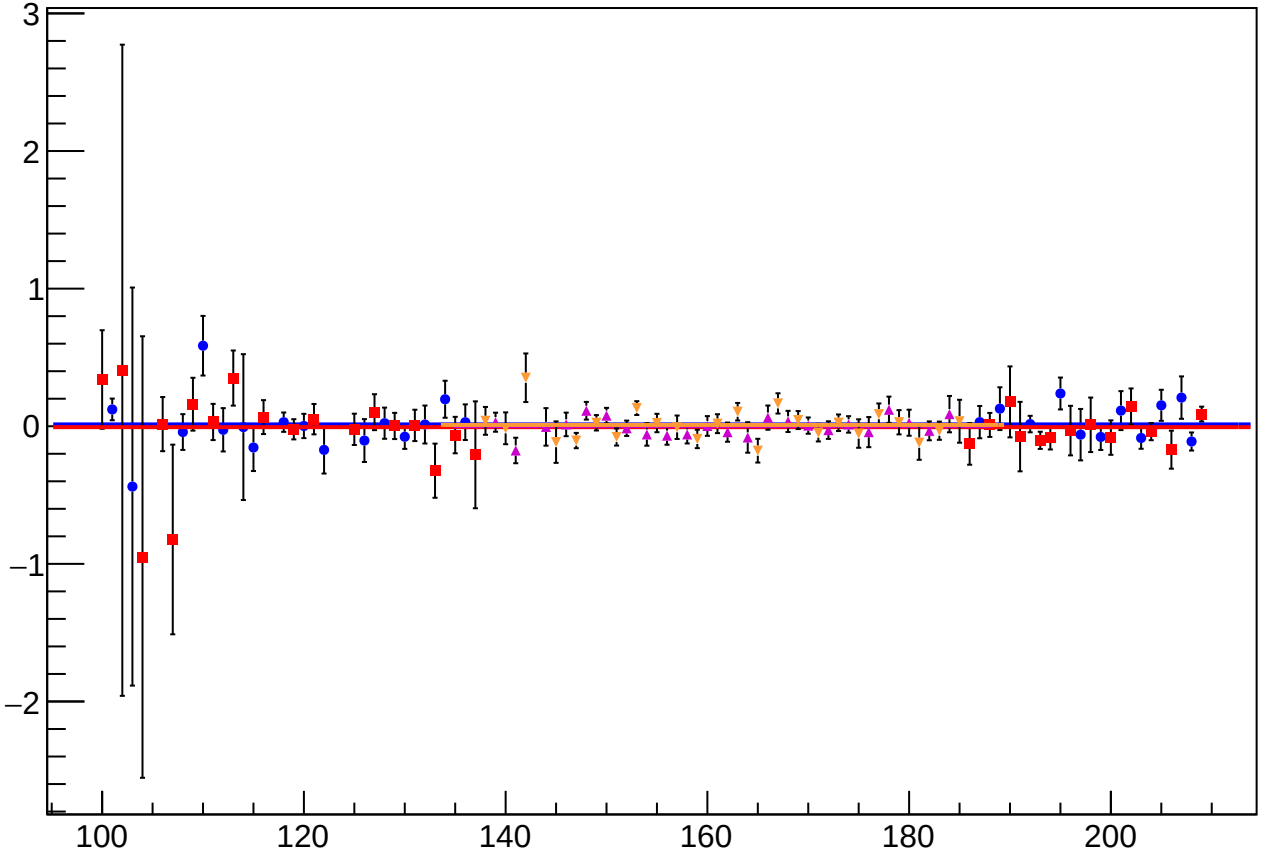
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 21179447.8/50

All: 0.001+/-0.000 χ^2/NDF: 41262378.2/104

- sign 0.001+/-0.000 χ^2/NDF: 20082926.8/53

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.021 χ^2/NDF: 22.2/30

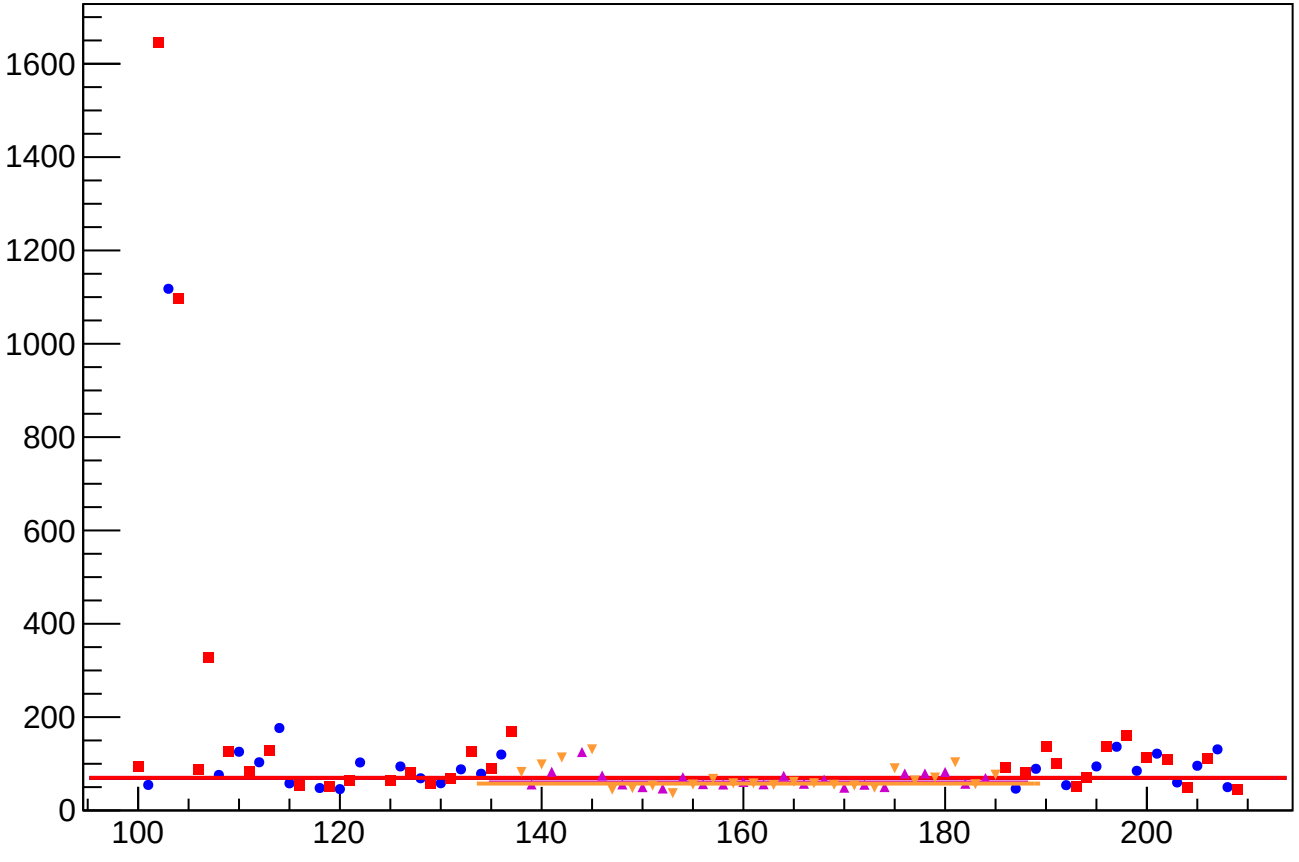
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.005+/-0.009 χ^2/NDF: 102.2/104

- sign -0.002+/-0.012 χ^2/NDF: 37.8/53

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299727.2/30

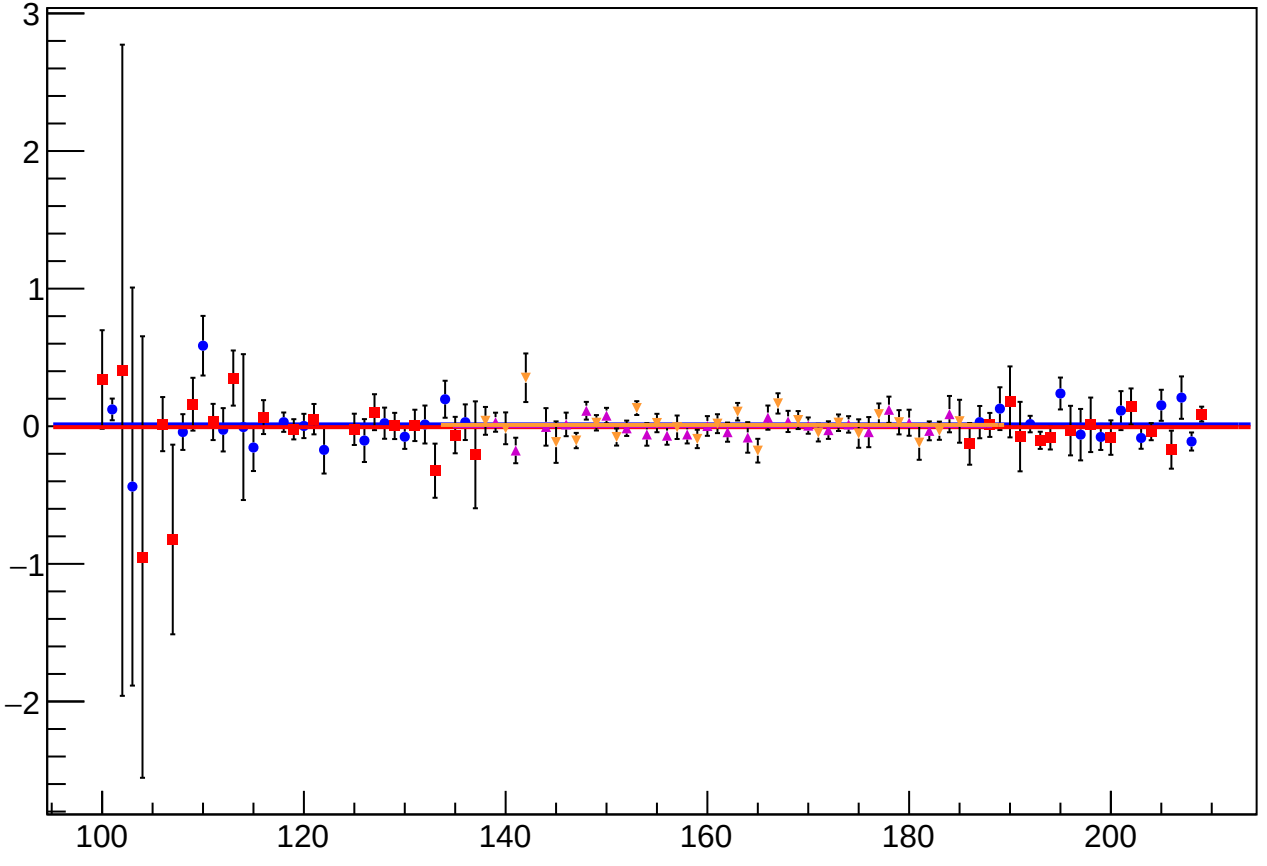
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

\+ sign 61.724+/-0.009 χ^2/NDF: 6475437.5/50

All: 62.560+/-0.006 χ^2/NDF: 13433524.7/104

\- sign 63.415+/-0.009 χ^2/NDF: 6939283.1/53

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

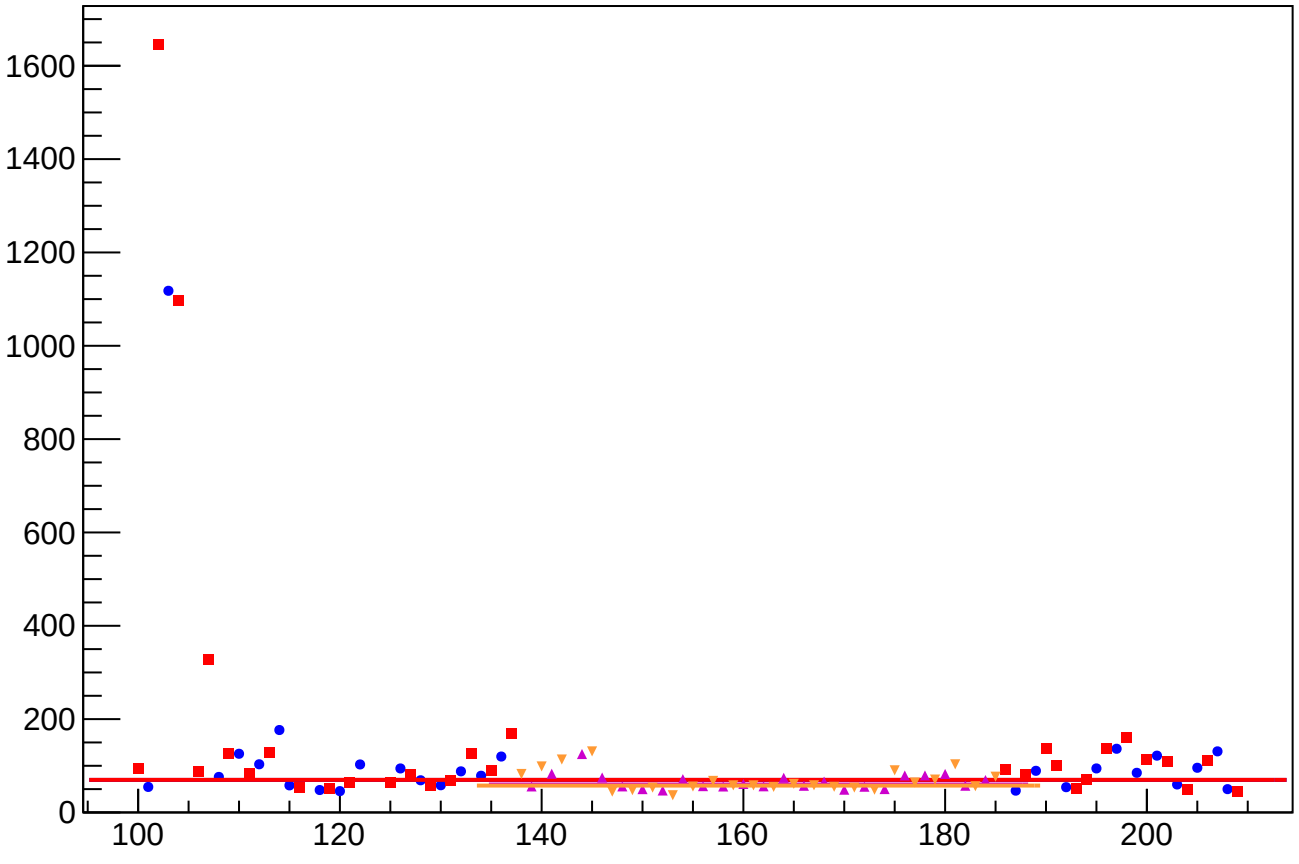
Right Out: -0.007+/-0.021 χ^2/NDF: 22.2/30

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.011+/-0.012 χ^2/NDF: 63.8/50

All: 0.005+/-0.009 χ^2/NDF: 102.2/104

- sign -0.002+/-0.012 χ^2/NDF: 37.8/53



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299727.2/30

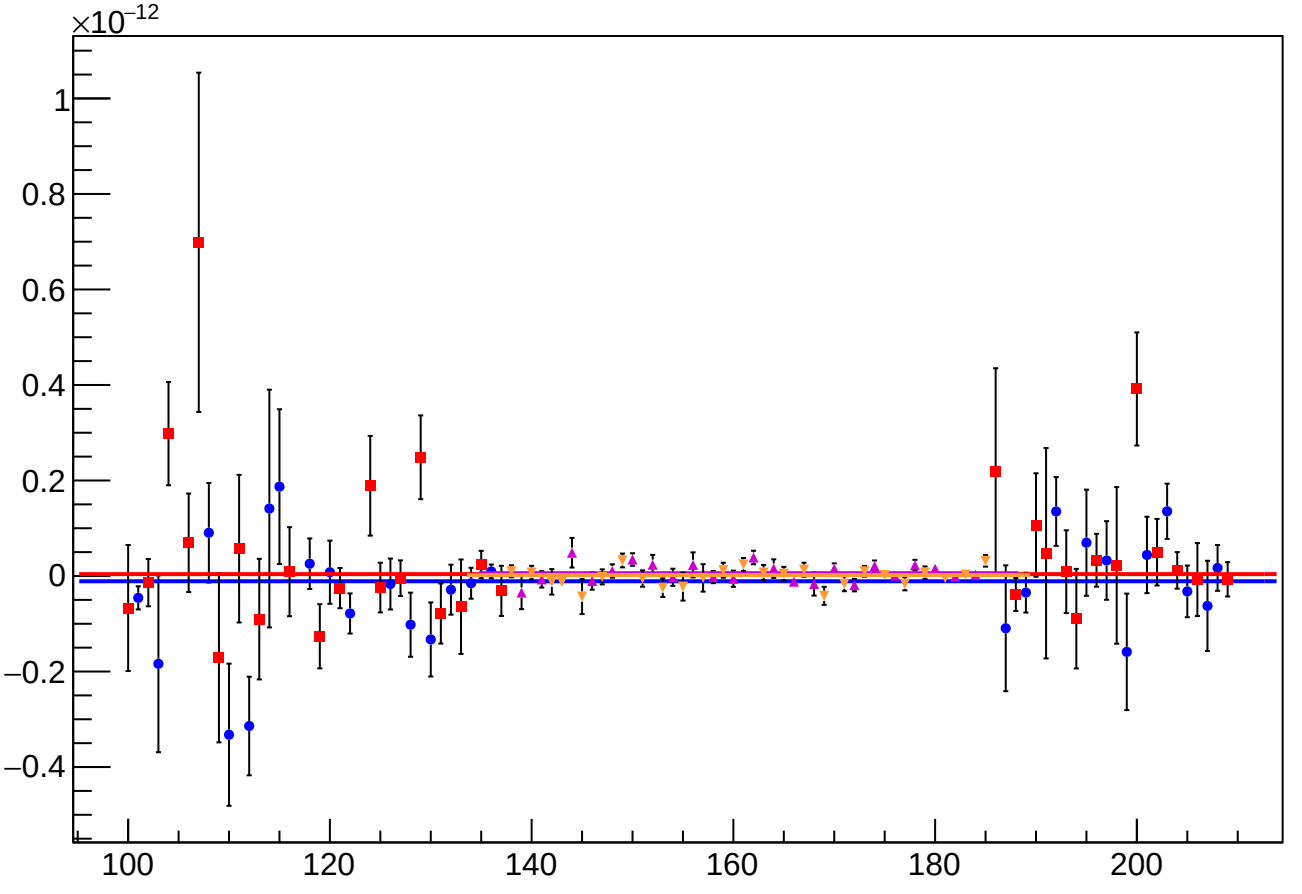
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.724+/-0.009 χ^2/NDF: 6475437.5/50

All: 62.560+/-0.006 χ^2/NDF: 13433524.7/104

- sign 63.415+/-0.009 χ^2/NDF: 6939283.1/53

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 43.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

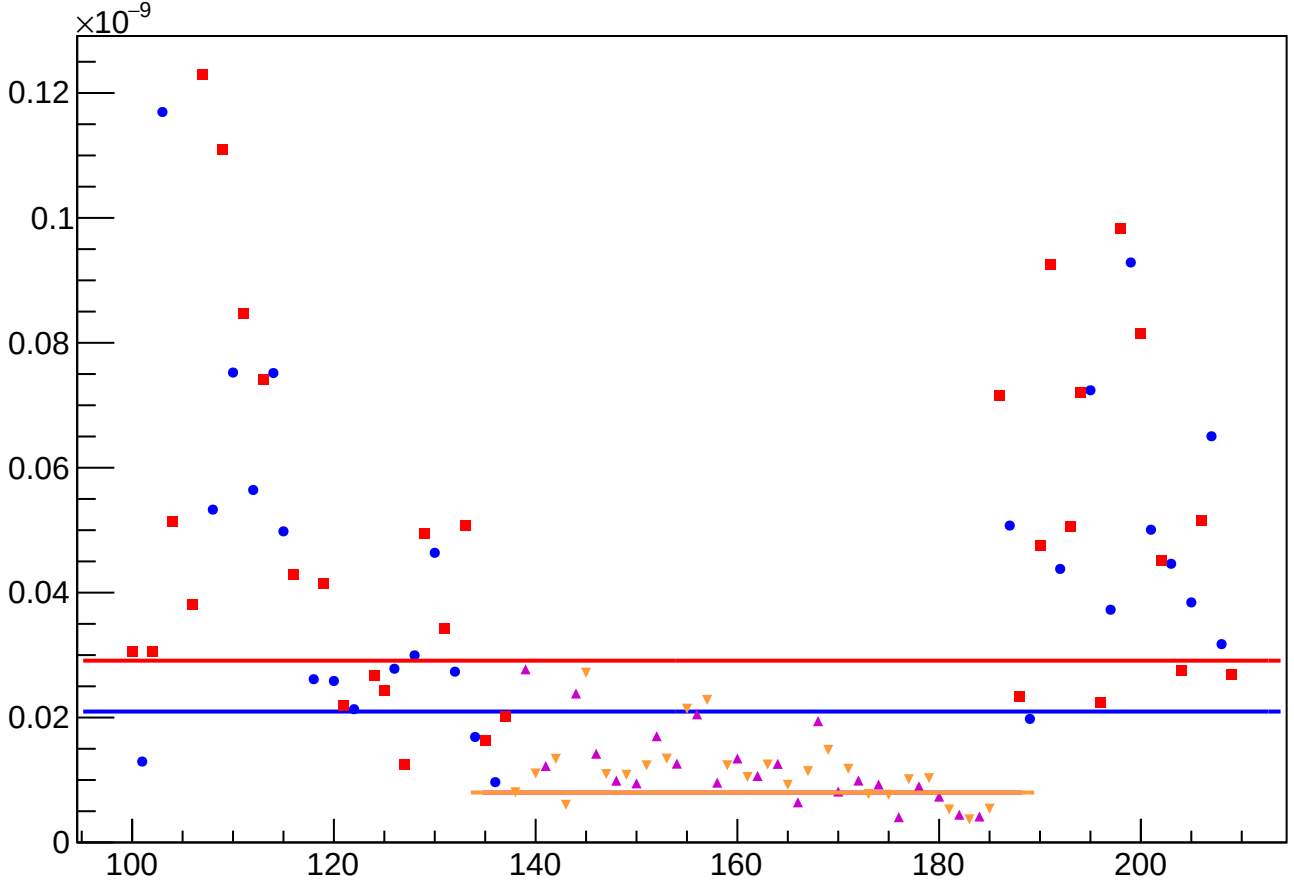
Right Out: 0.000+/-0.000 χ^2/NDF: 48.2/31

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.5/51

All: 0.000+/-0.000 χ^2/NDF: 160.1/106

- sign 0.000+/-0.000 χ^2/NDF: 80.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 6061133.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4315975.8/31

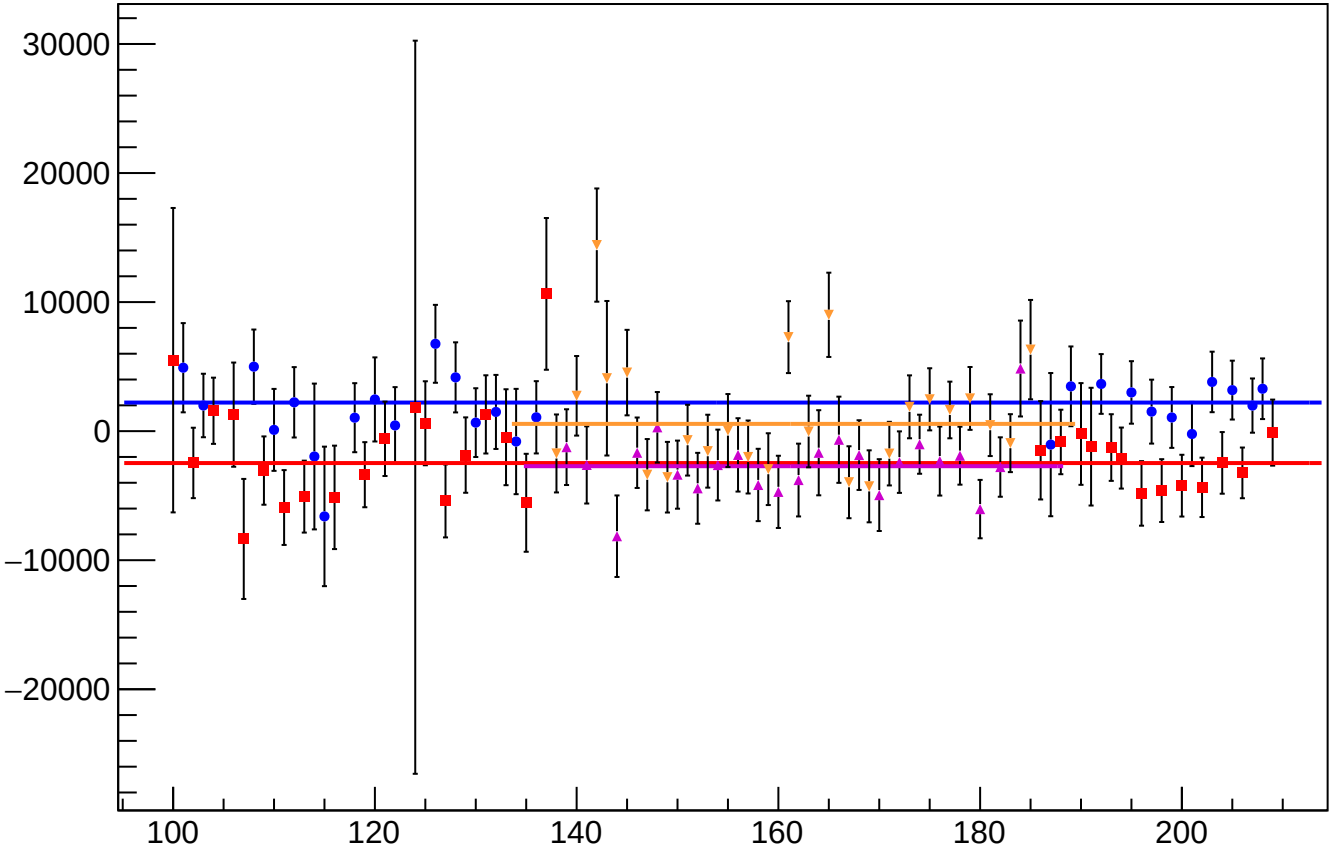
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14853452.6/51

All: 0.000+/-0.000 χ^2/NDF: 31453732.5/106

- sign 0.000+/-0.000 χ^2/NDF: 16595270.4/54

reg_asym_atl2_mean vs Slug



Right In: 2214.836+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2472.818+/-519.968 χ^2/NDF: 23.2/31

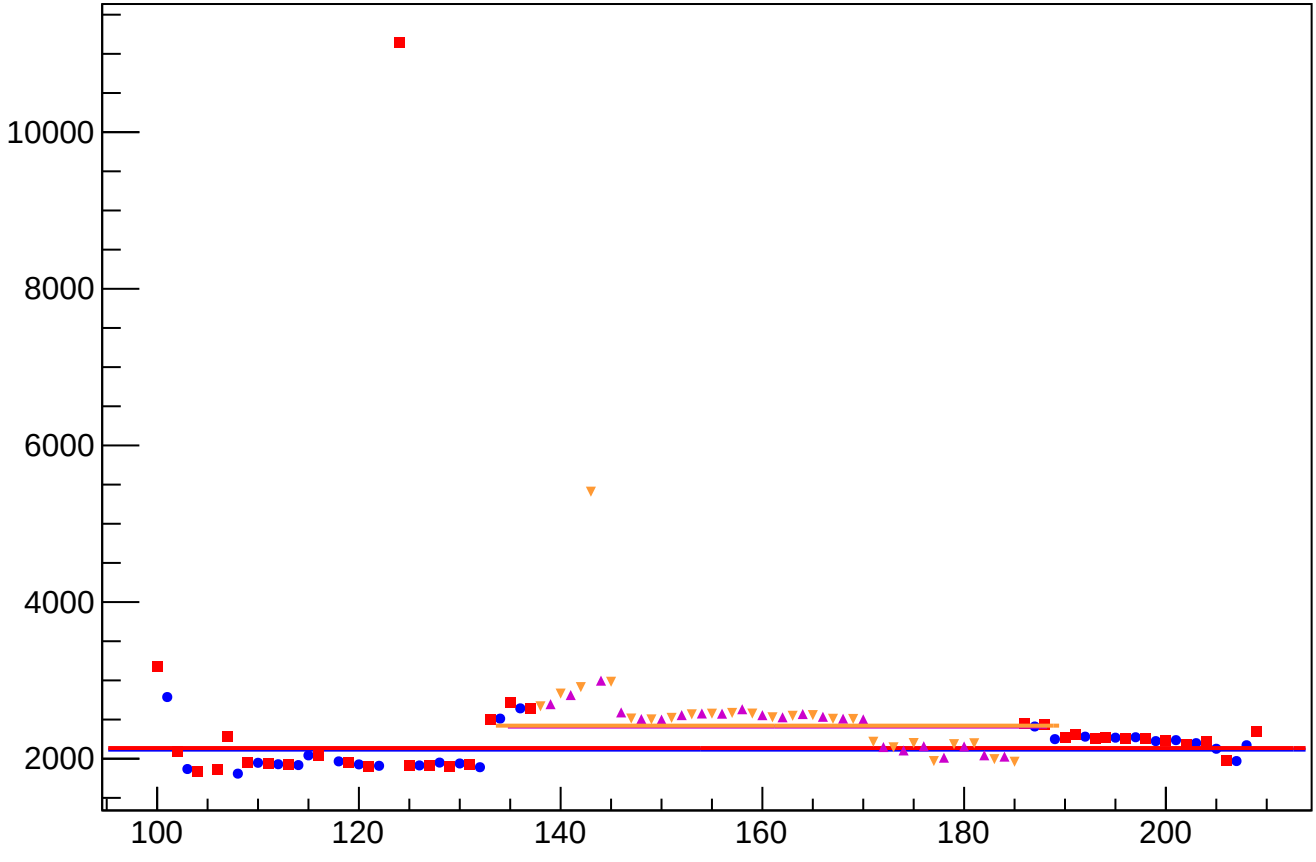
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1422.200+/-385.989 χ^2/NDF: 61.3/51

All: -596.680+/-271.864 χ^2/NDF: 153.3/106

- sign -2584.168+/-382.976 χ^2/NDF: 37.6/54

reg_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.3/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2136.254+/-0.368 χ^2/NDF: 539413.5/31

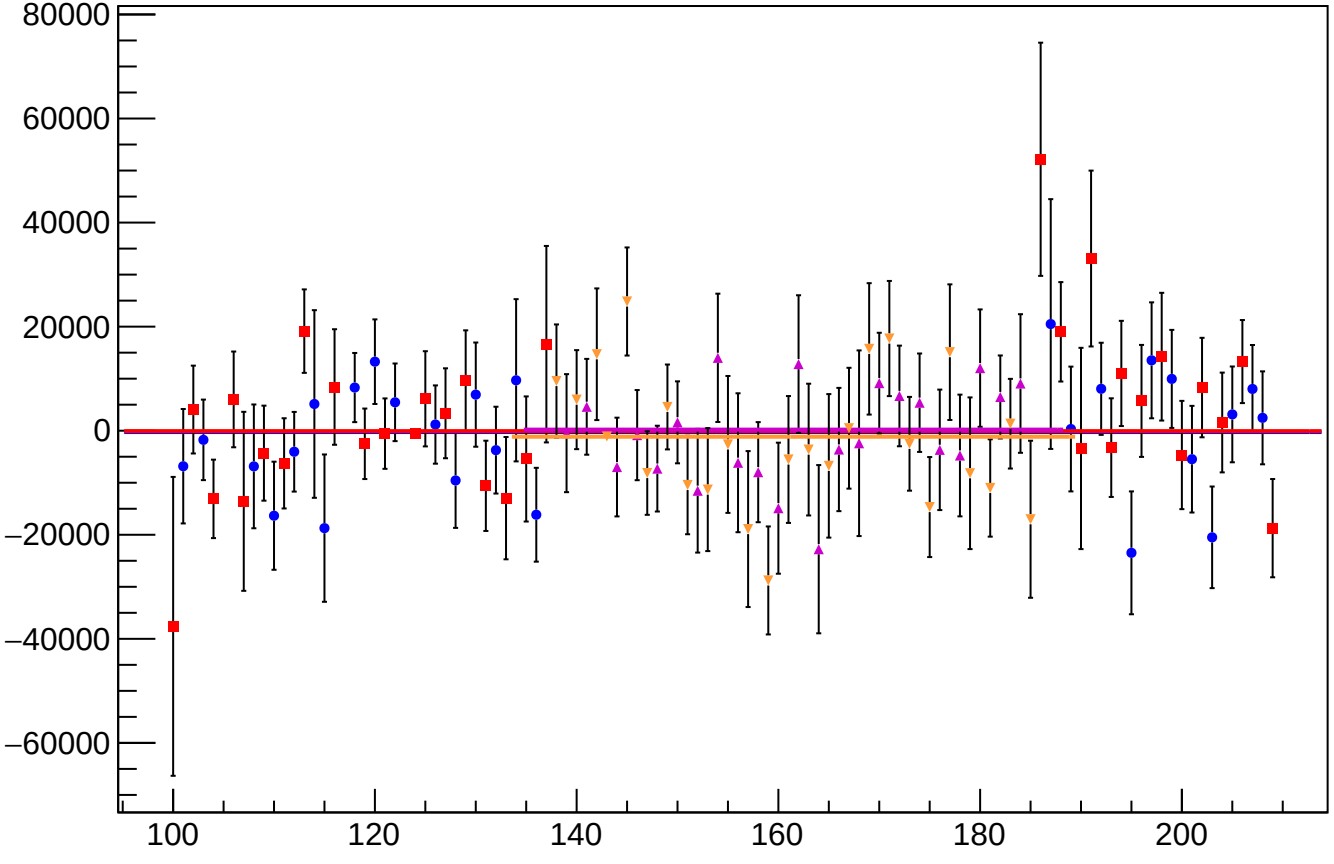
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF: 1611042.6/51

All: 2262.109+/-0.192 χ^2/NDF: 2832113.3/10

- sign 2261.413+/-0.271 χ^2/NDF: 1221057.4/54

asym_atl2_reg_correction_mean vs Slug



Right In: -254.859+/-1829.010 χ^2/NDF: 29.4/26

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -80.183+/-743.820 χ^2/NDF: 42.7/31

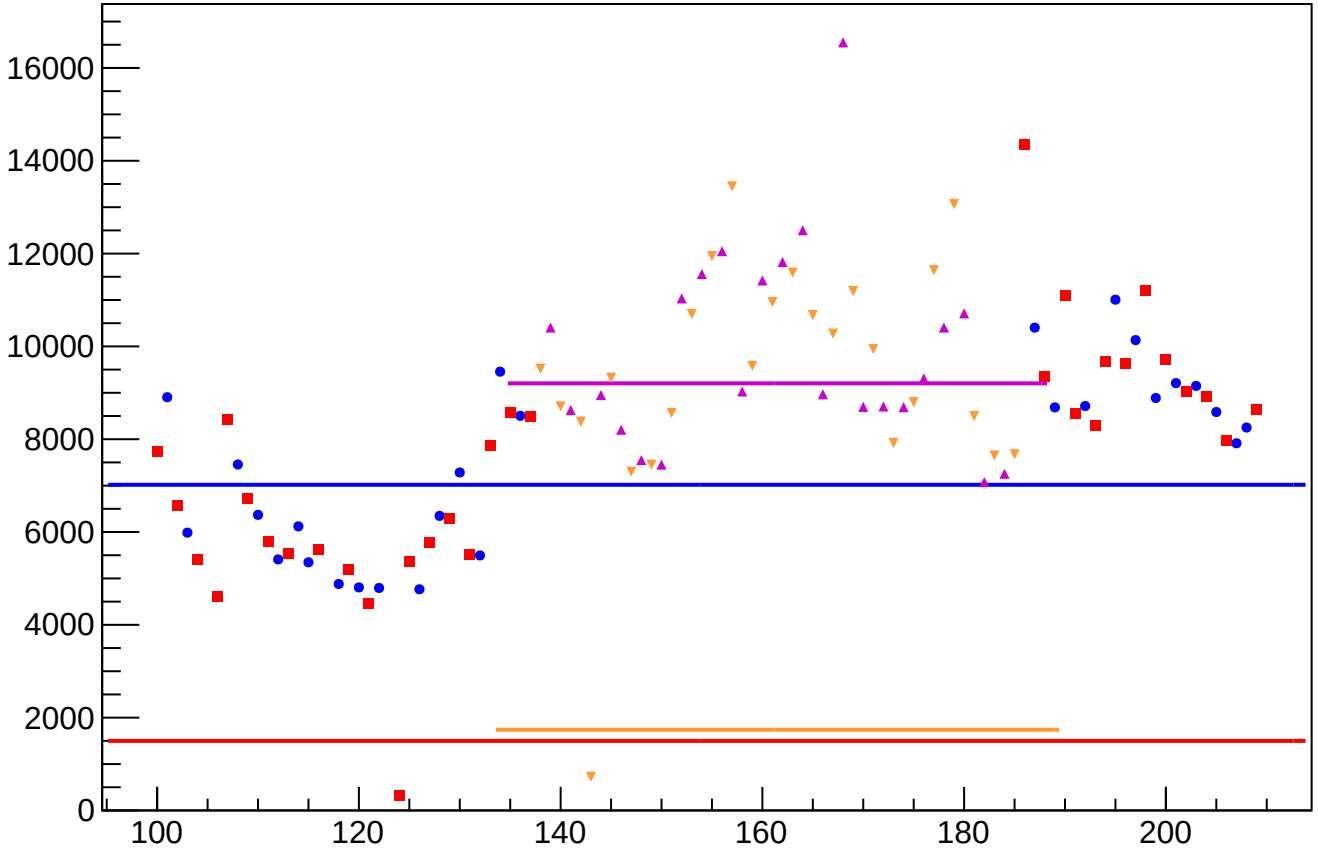
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1025.862+/-700.087 χ^2/NDF: 61.5/51

All: -541.142+/-496.579 χ^2/NDF: 118.6/106

- sign -50.330+/-704.473 χ^2/NDF: 56.1/54

asym_atl2_reg_correction_rms vs Slug



Right In: 7018.064+/-1.293 χ^2/NDF: 2040797.8/26

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1498.736+/-0.526 χ^2/NDF: 26046150.3/31

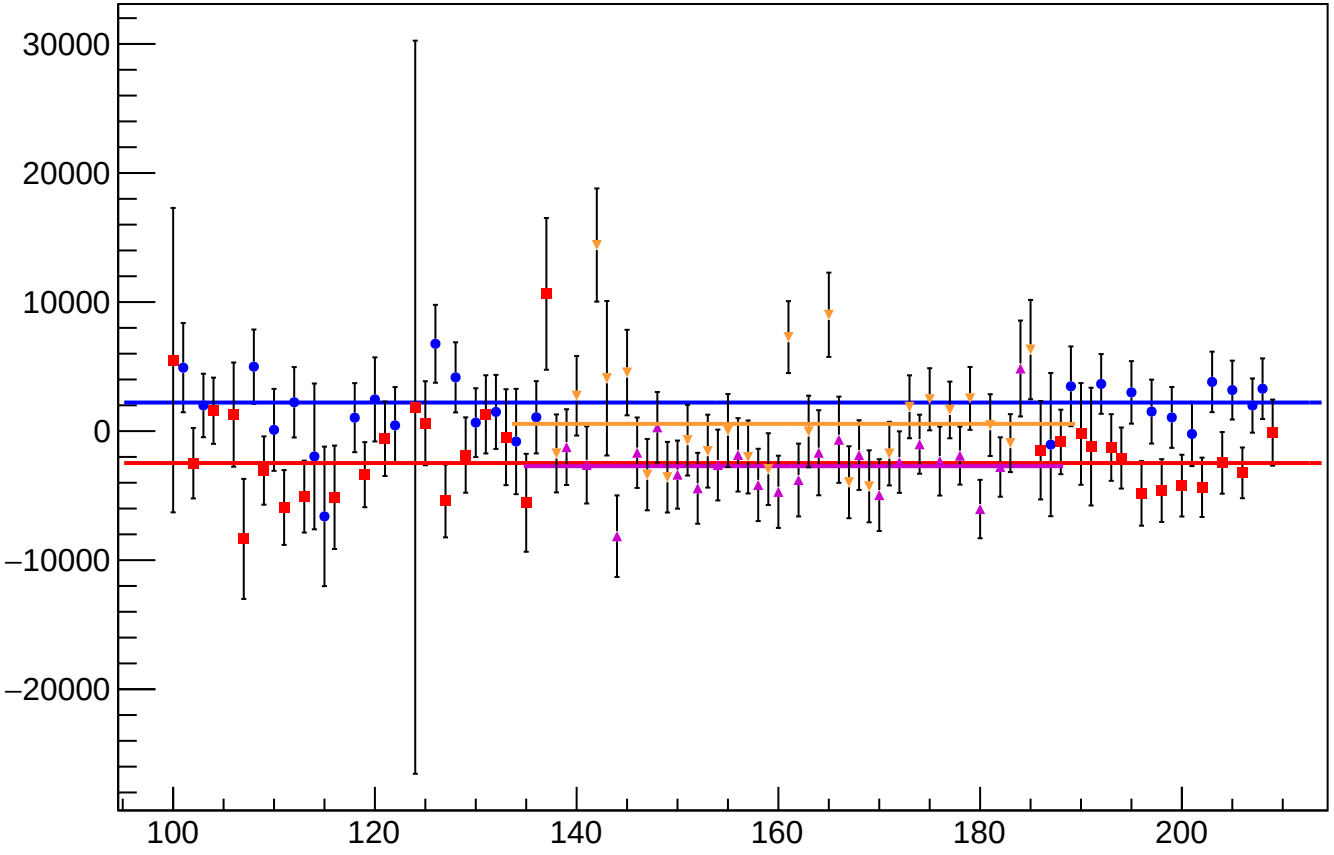
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2513.033+/-0.495 χ^2/NDF: 43991436.9/51

All: 2403.381+/-0.351 χ^2/NDF: 93512774.9/1

- sign 2292.351+/-0.498 χ^2/NDF: 49422594.0/54

cor_asym_atl2_mean vs Slug



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2473.678+/-519.970 χ^2/NDF: 23.2/31

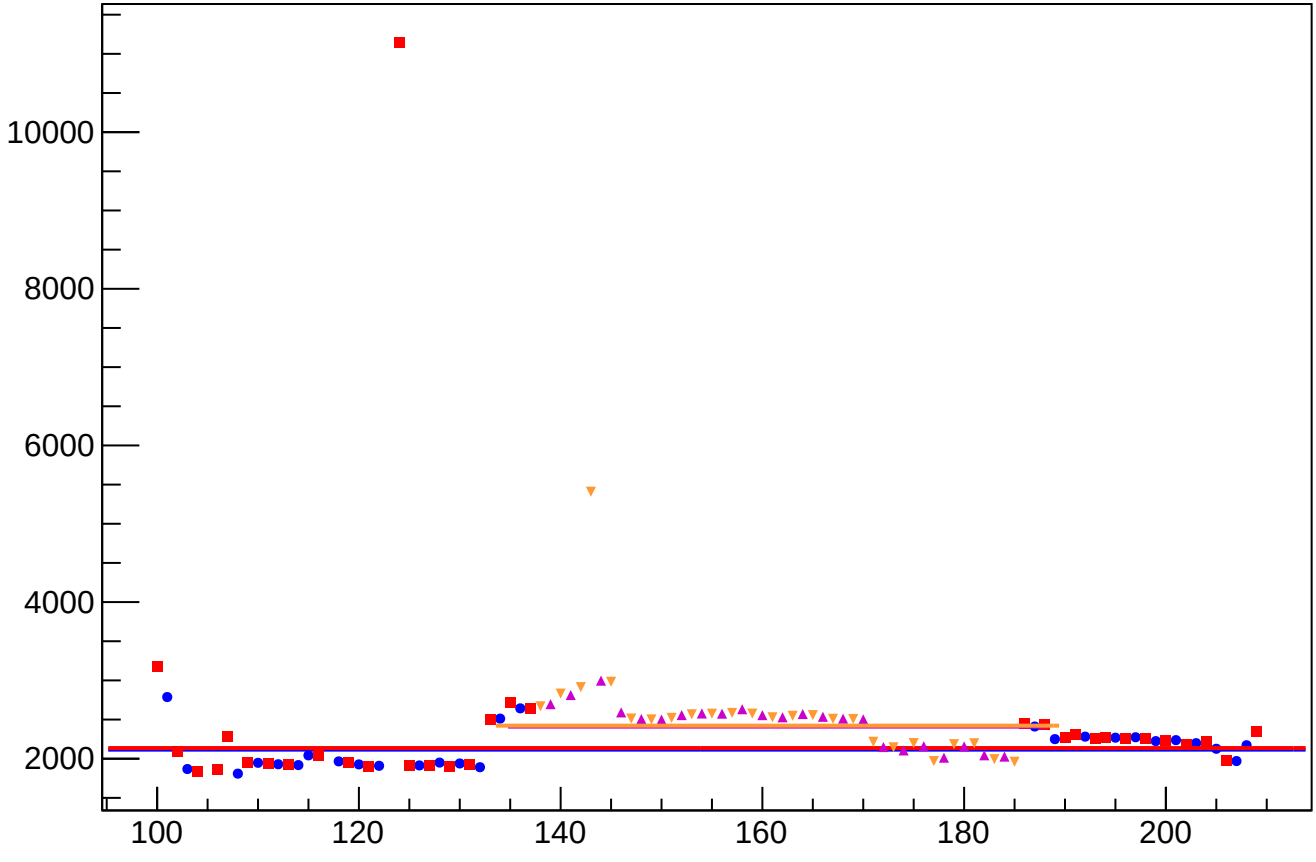
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1422.193+/-385.989 χ^2/NDF: 61.3/51

All: -596.905+/-271.864 χ^2/NDF: 153.3/106

- sign -2584.618+/-382.977 χ^2/NDF: 37.6/54

cor_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2136.266+/-0.368 χ^2/NDF: 539407.0/31

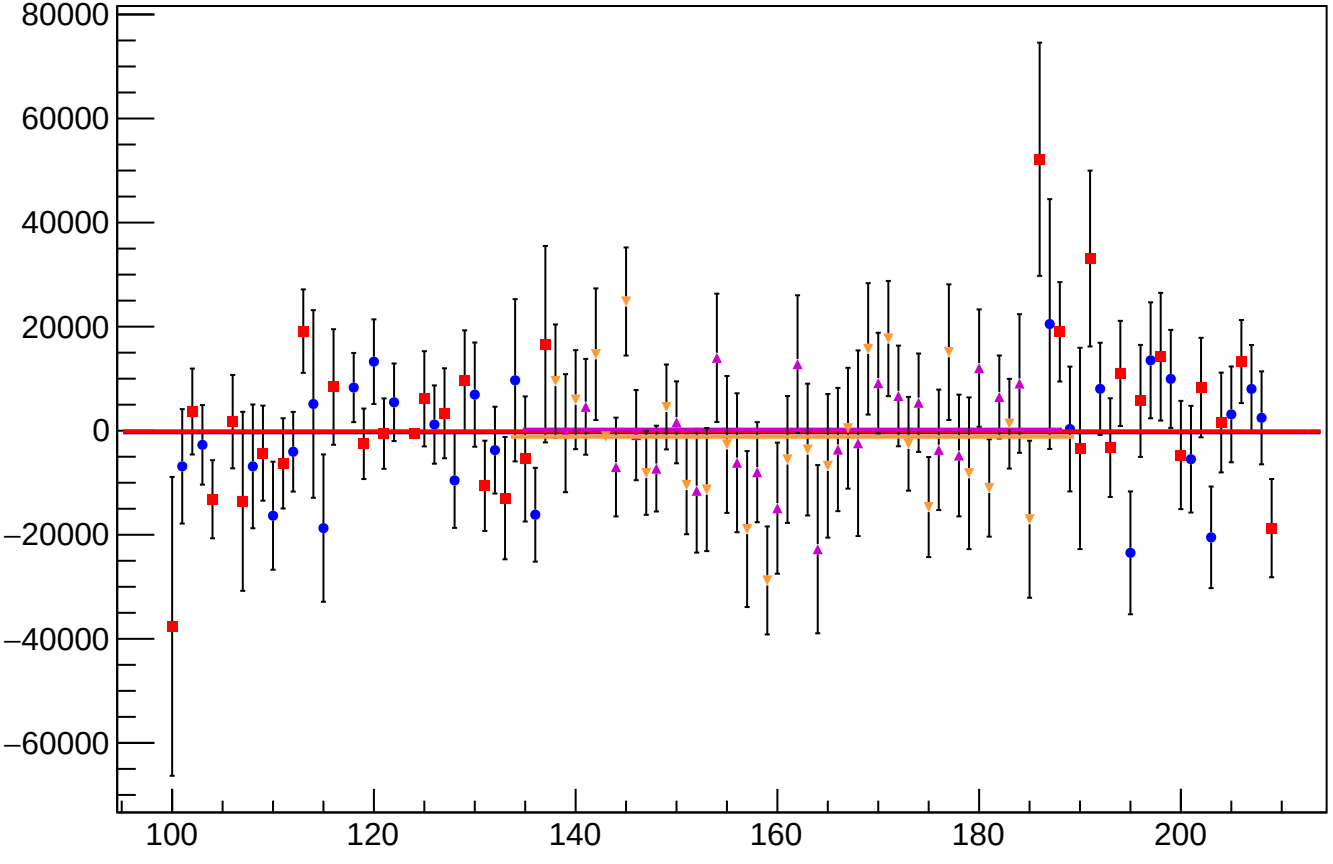
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF: 1611042.7/51

All: 2262.113+/-0.192 χ^2/NDF: 2832084.8/10

- sign 2261.420+/-0.271 χ^2/NDF: 1221028.9/54

asym_atl2_cor_correction_mean vs Slug



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -111.754+/-743.512 χ^2/NDF: 42.4/31

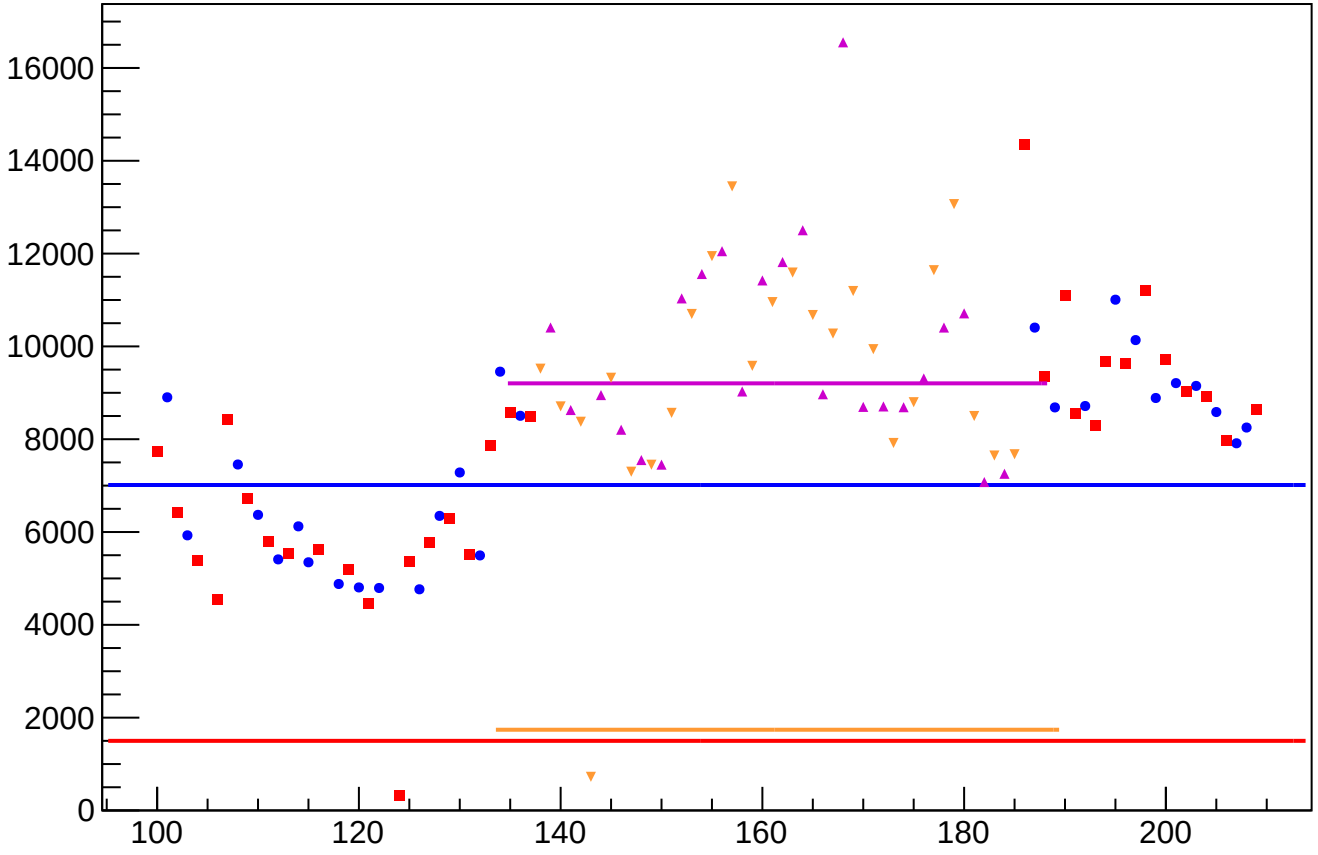
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1033.935+/-699.967 χ^2/NDF: 61.6/51

All: -559.199+/-496.445 χ^2/NDF: 118.3/106

- sign -78.690+/-704.211 χ^2/NDF: 55.8/54

asym_atl2_cor_correction_rms vs Slug



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

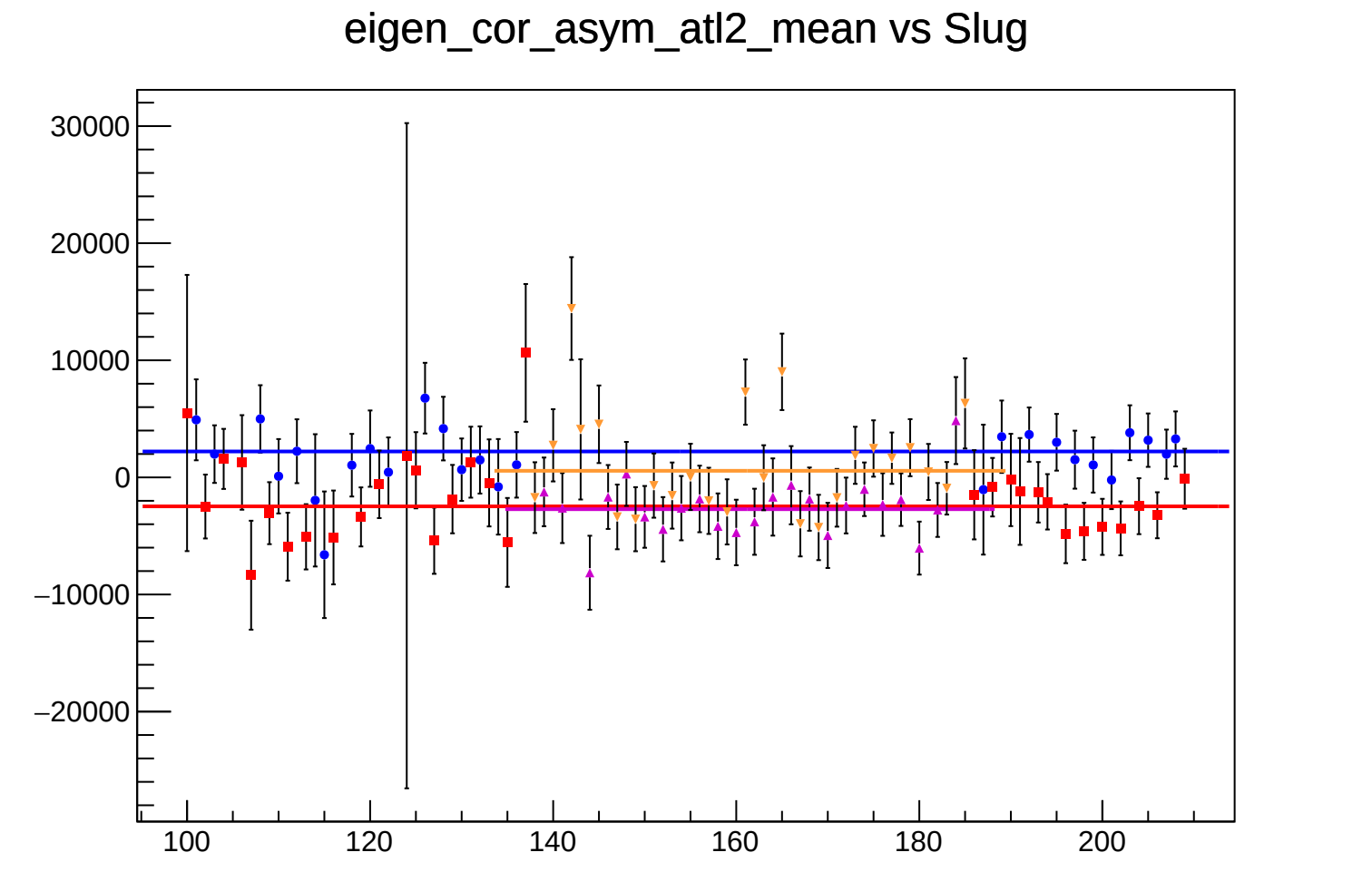
Right Out: 1499.929+/-0.526 χ^2/NDF: 26037066.6/31

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2512.905+/-0.495 χ^2/NDF: 43989705.0/51

All: 2403.534+/-0.351 χ^2/NDF: 93496492.7/1

- sign 2292.832+/-0.498 χ^2/NDF: 49408534.9/54



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2473.678+/-519.970 χ^2/NDF: 23.2/31

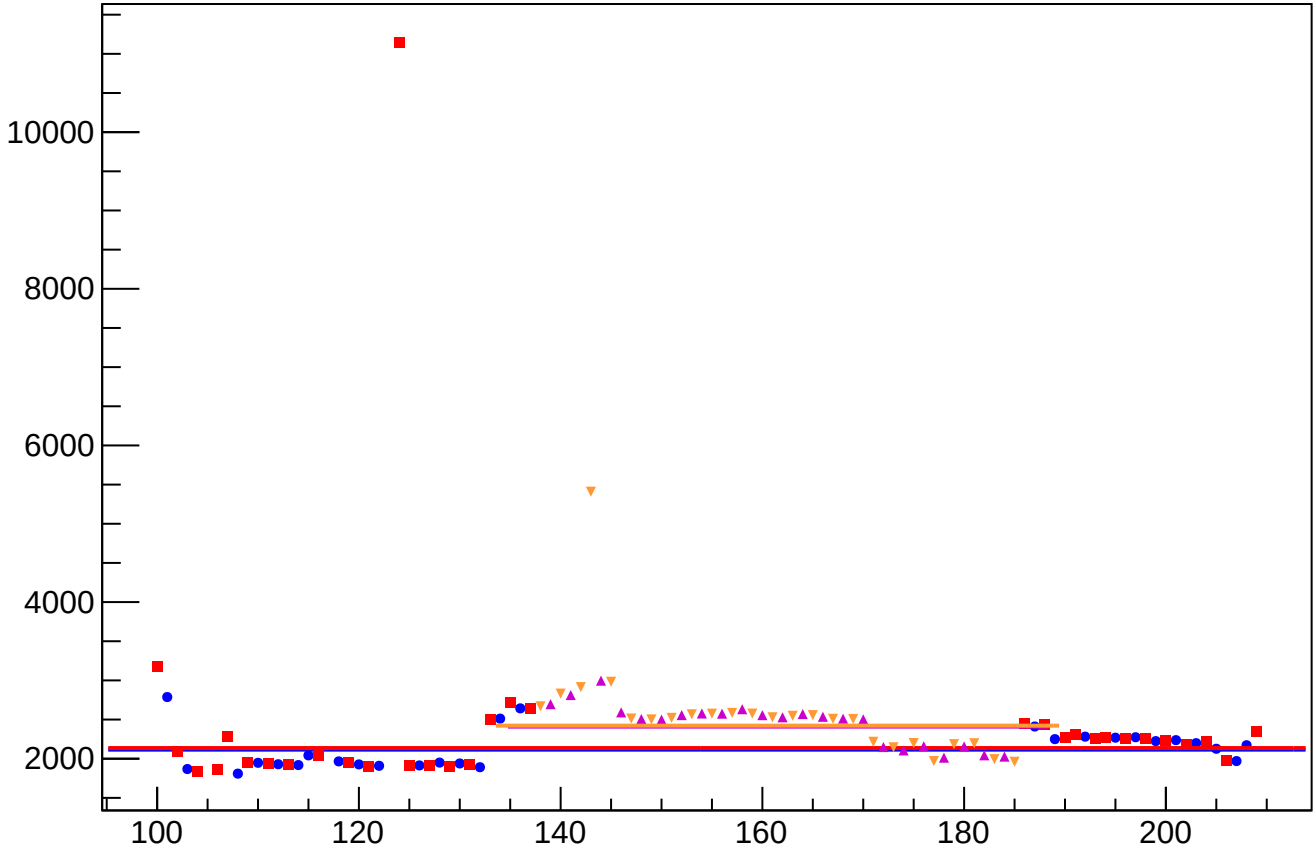
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1422.193+/-385.989 χ^2/NDF: 61.3/51

All: -596.905+/-271.864 χ^2/NDF: 153.3/106

- sign -2584.618+/-382.977 χ^2/NDF: 37.6/54

eigen_cor_asym_atl2_rms vs Slug



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2136.266+/-0.368 χ^2/NDF: 539407.0/31

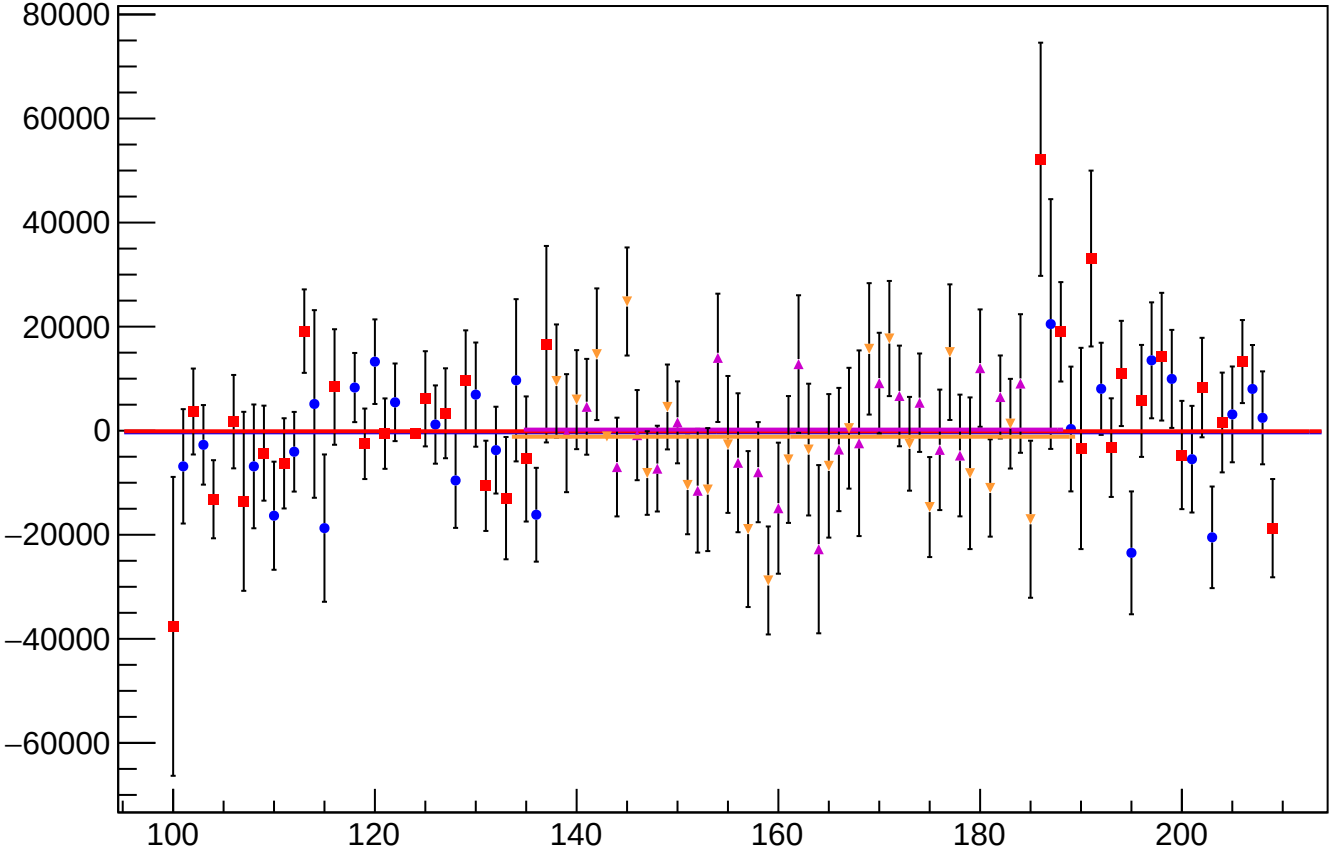
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2262.816+/-0.273 χ^2/NDF: 1611042.7/51

All: 2262.113+/-0.192 χ^2/NDF: 2832084.8/10

- sign 2261.420+/-0.271 χ^2/NDF: 1221028.9/54

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -111.754+/-743.512 χ^2/NDF: 42.4/31

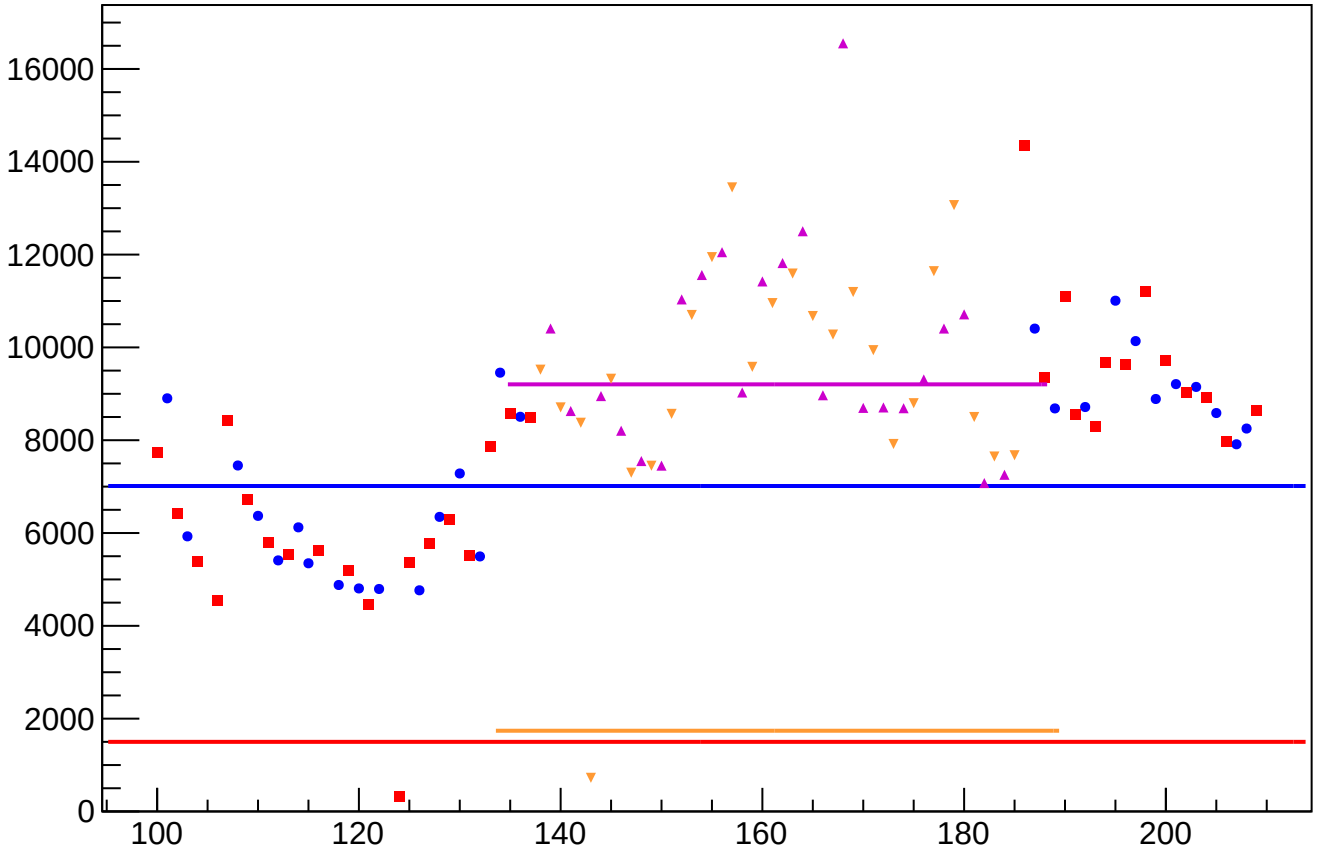
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1033.935+/-699.967 χ^2/NDF: 61.6/51

All: -559.199+/-496.445 χ^2/NDF: 118.3/106

- sign -78.690+/-704.211 χ^2/NDF: 55.8/54

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1499.929+/-0.526 χ^2/NDF: 26037066.6/31

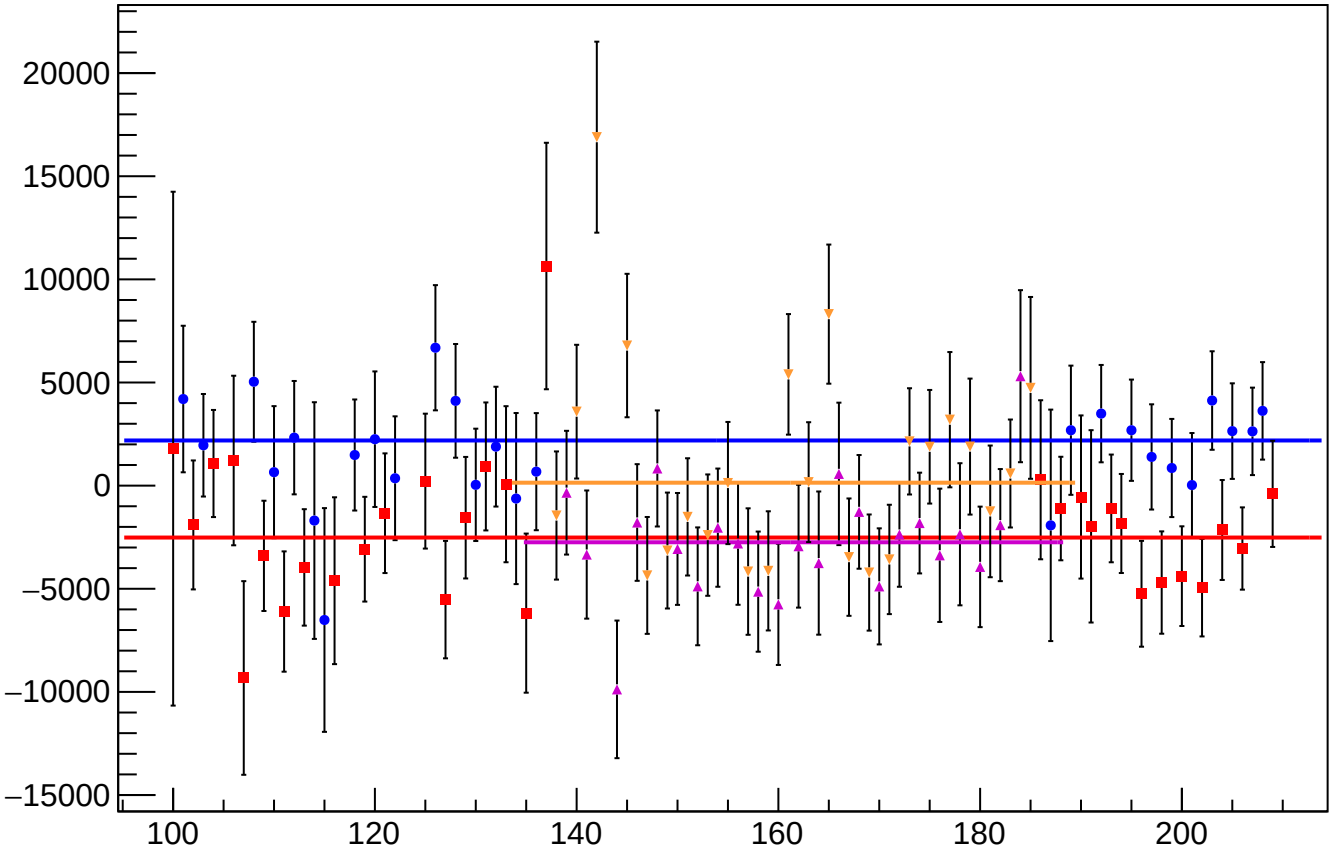
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2512.905+/-0.495 χ^2/NDF: 43989705.0/51

All: 2403.534+/-0.351 χ^2/NDF: 93496492.7/1

- sign 2292.832+/-0.498 χ^2/NDF: 49408534.9/54

dit_asym_atl2_mean vs Slug



Right In: 2189.364+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2516.730+/-528.906 χ^2/NDF: 22.6/30

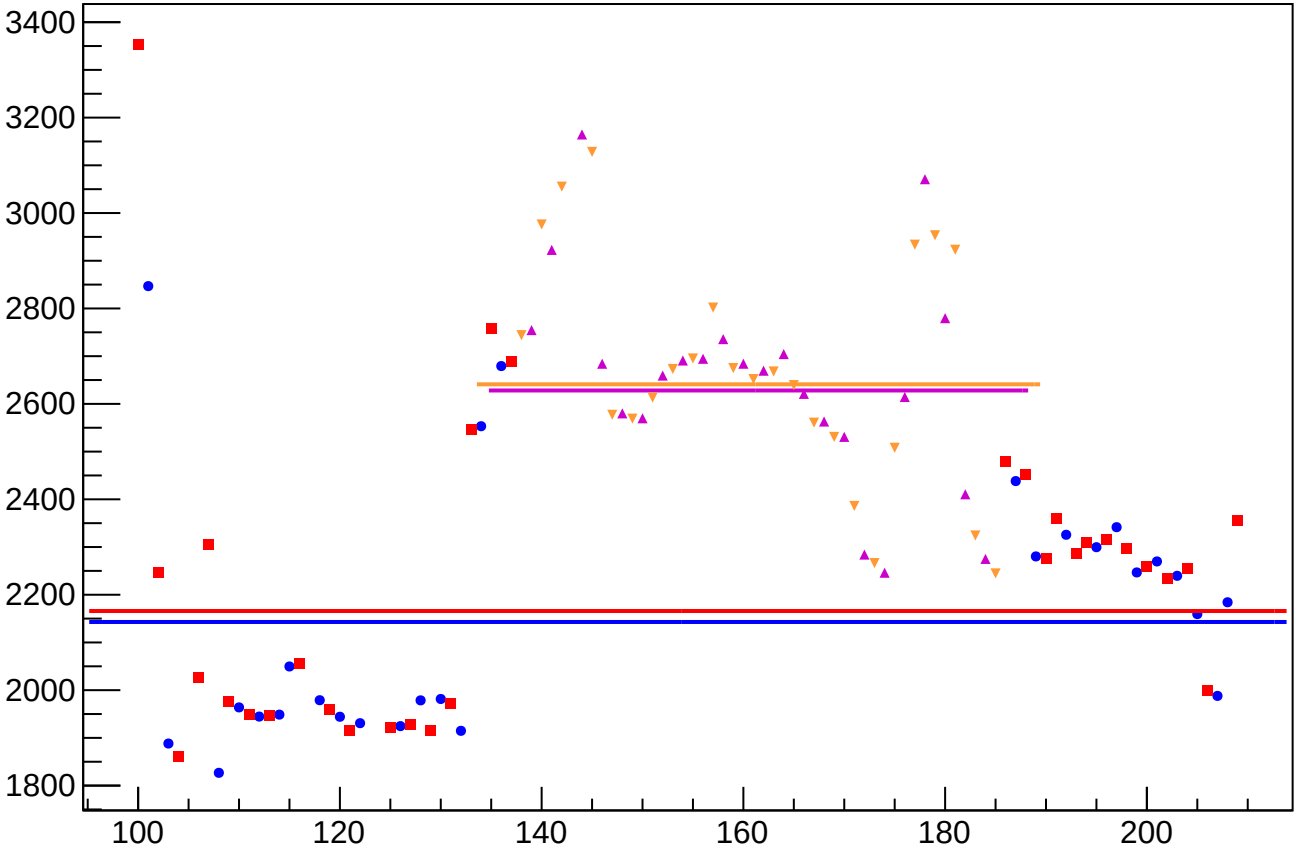
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1295.299+/-406.940 χ^2/NDF: 64.3/50

All: -686.541+/-285.742 χ^2/NDF: 149.1/104

- sign -2613.995+/-401.318 χ^2/NDF: 38.1/53

dit_asym_atl2_rms vs Slug



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.1/26

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2165.934+/-0.374 χ^2/NDF: 344385.4/30

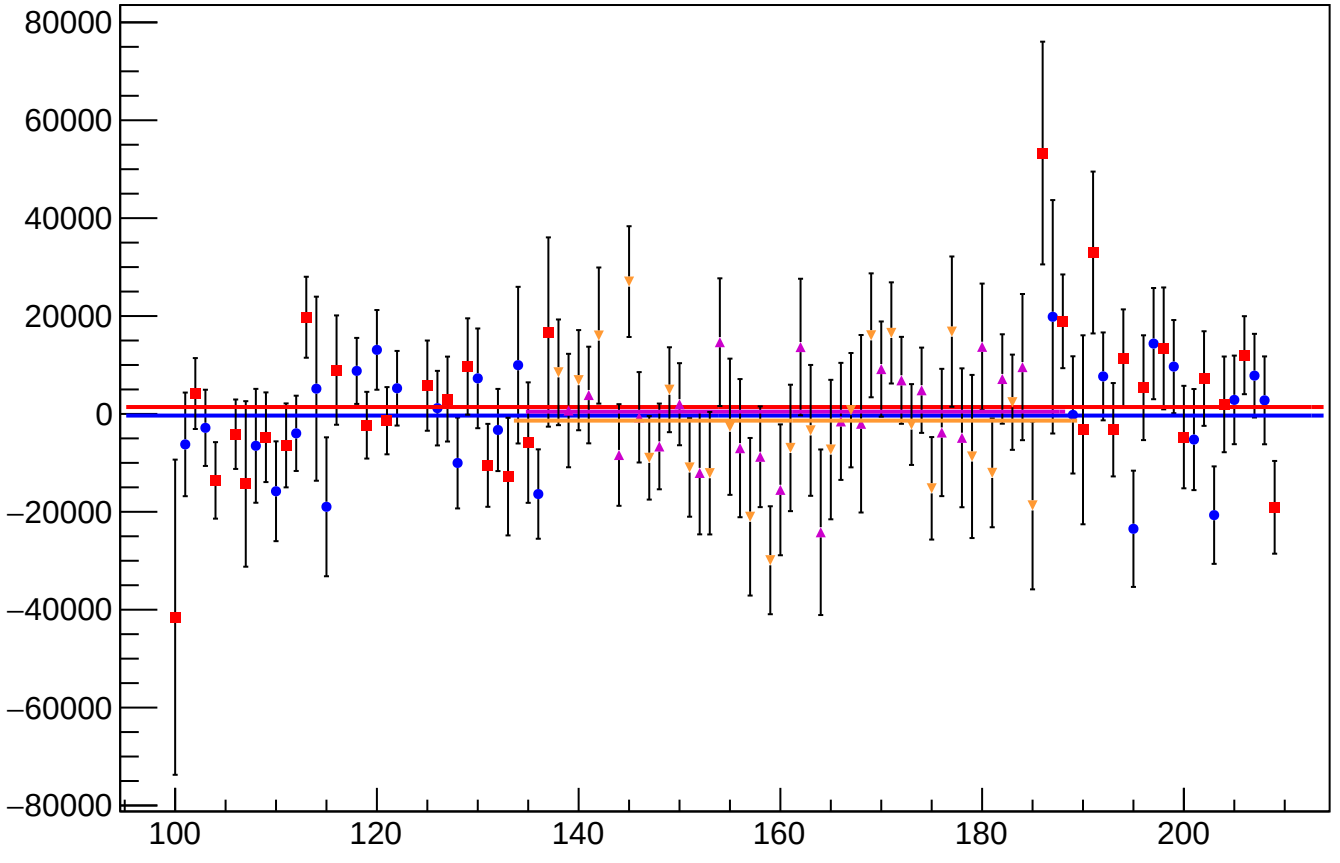
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2360.484+/-0.288 χ^2/NDF: 1350854.3/50

All: 2361.183+/-0.202 χ^2/NDF: 2581090.4/10

- sign 2361.862+/-0.284 χ^2/NDF: 1230224.4/53

asym_atl2_dit_correction_mean vs Slug



Right In: -335.857+/-1842.049 χ^2/NDF: 29.1/26

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 1408.814+/-1744.588 χ^2/NDF: 41.2/30

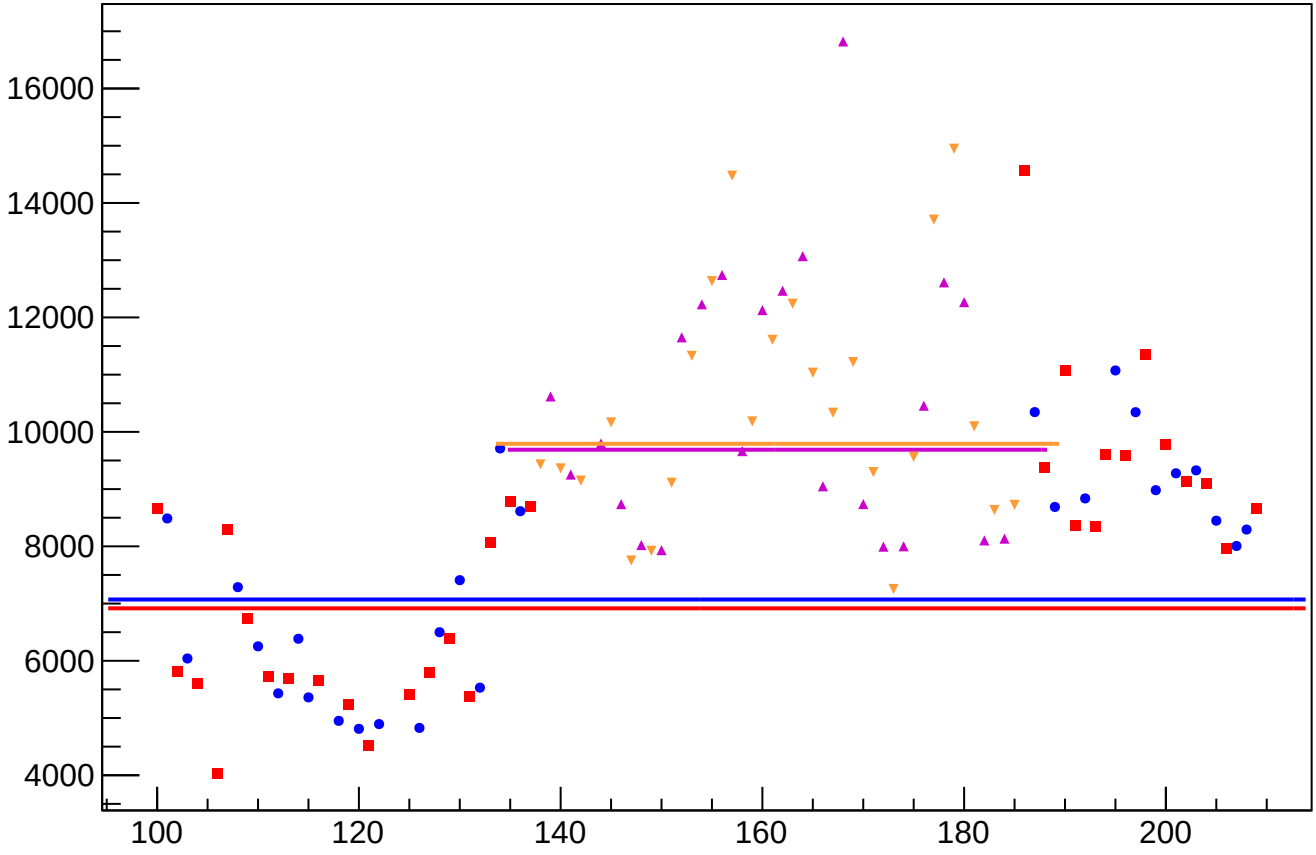
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -733.173+/-1444.129 χ^2/NDF: 60.4/50

All: 198.947+/-1002.642 χ^2/NDF: 115.6/104

- sign 1066.412+/-1393.144 χ^2/NDF: 54.4/53

asym_atl2_dit_correction_rms vs Slug



Right In: 7071.039+/-1.303 χ^2/NDF: 2010395.4/26

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6916.932+/-1.234 χ^2/NDF: 2654602.4/30

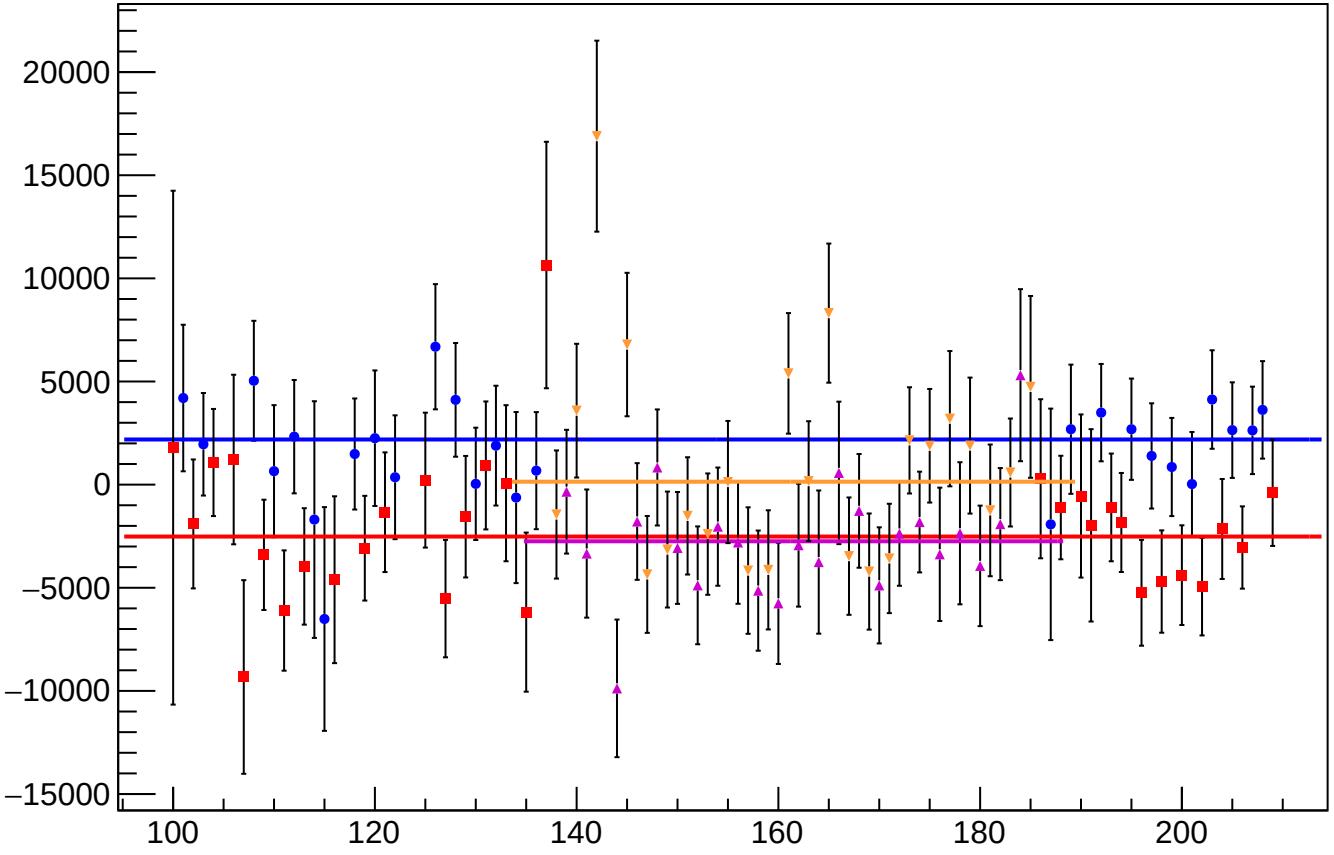
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8119.722+/-1.021 χ^2/NDF: 4911478.1/50

All: 8016.789+/-0.709 χ^2/NDF: 10792310.1/1

- sign 7920.996+/-0.985 χ^2/NDF: 5861215.1/53

eigen_dit_asym_atl2_mean vs Slug



Right In: 2189.366+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2516.729+/-528.906 χ^2/NDF: 22.6/30

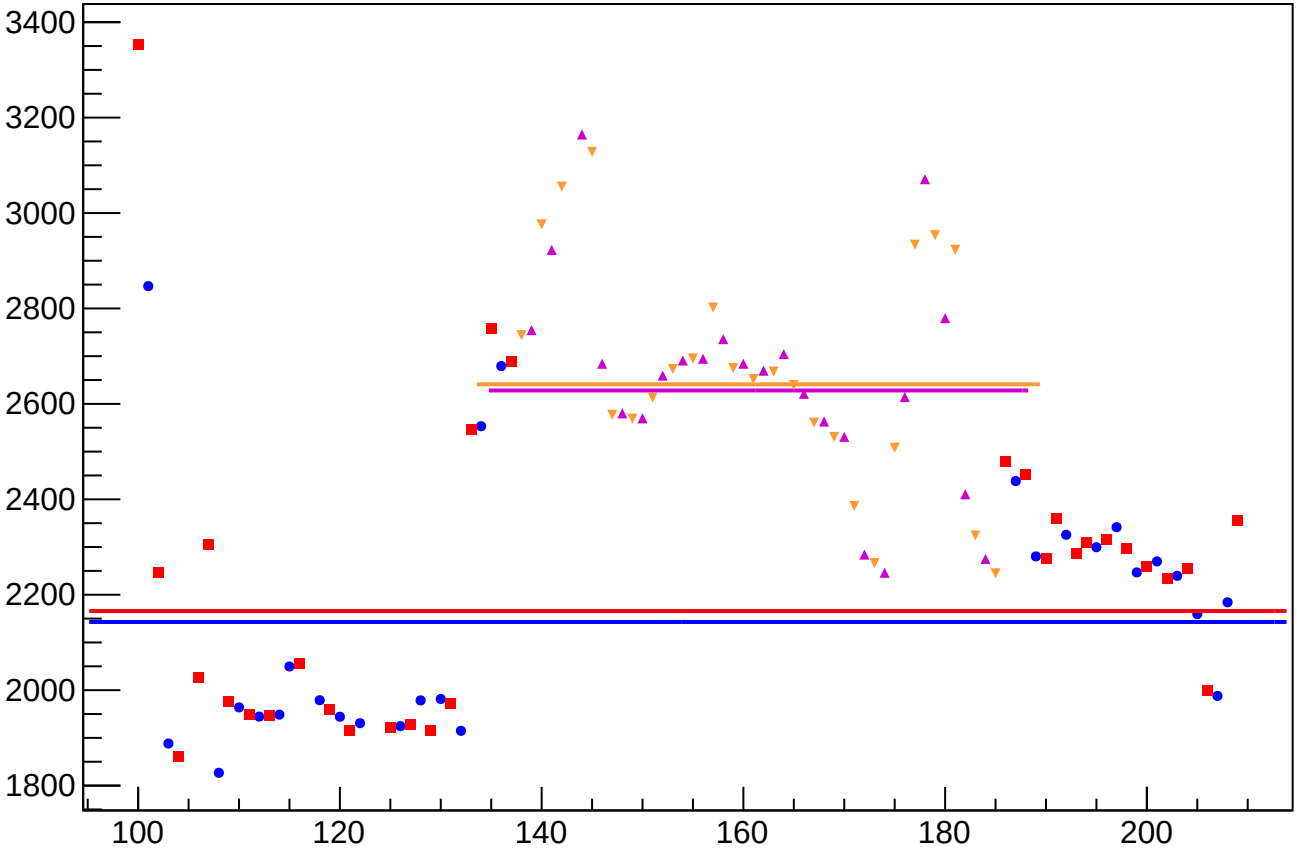
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1295.297+/-406.940 χ^2/NDF: 64.3/50

All: -686.541+/-285.742 χ^2/NDF: 149.1/104

- sign -2613.993+/-401.318 χ^2/NDF: 38.1/53

eigen_dit_asym_atl2_rms vs Slug



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.0/26

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2165.934+/-0.374 χ^2/NDF: 344386.2/30

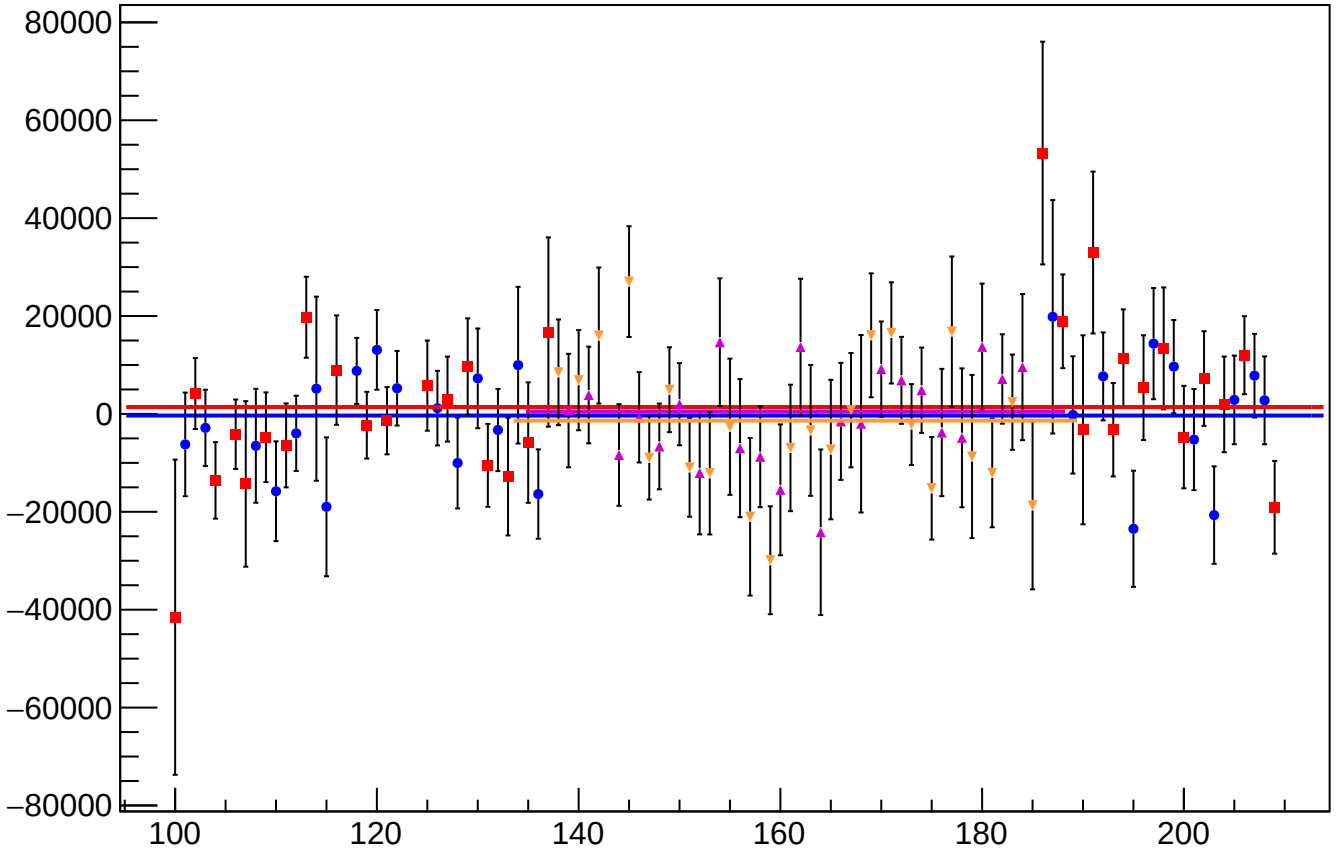
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2360.485+/-0.288 χ^2/NDF: 1350868.8/50

All: 2361.184+/-0.202 χ^2/NDF: 2581120.2/10

- sign 2361.863+/-0.284 χ^2/NDF: 1230239.8/53

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -335.851+/-1842.047 χ^2/NDF: 29.1/26

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 1408.800+/-1744.586 χ^2/NDF: 41.2/30

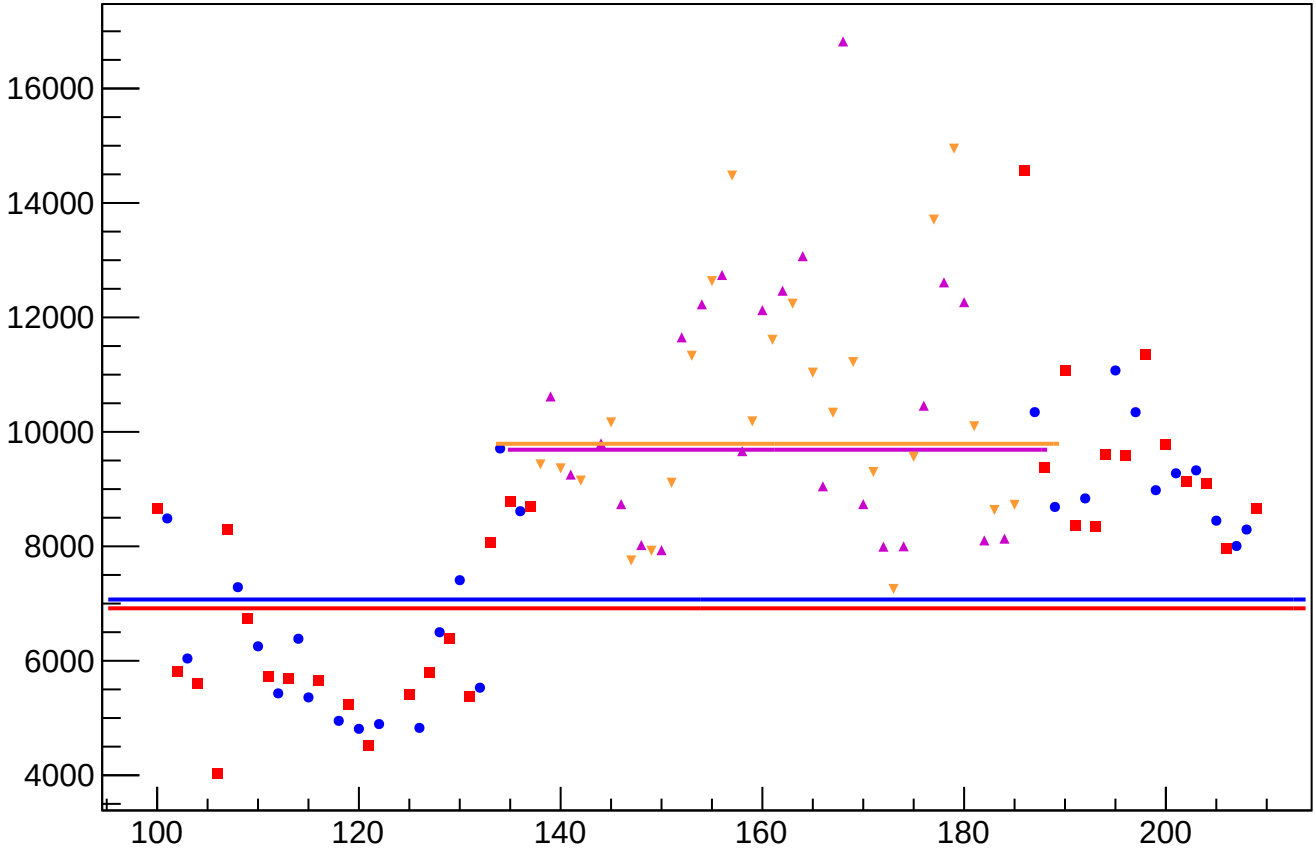
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -733.172+/-1444.129 χ^2/NDF: 60.4/50

All: 198.944+/-1002.642 χ^2/NDF: 115.6/104

- sign 1066.405+/-1393.144 χ^2/NDF: 54.4/53

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7071.027+/-1.303 χ^2/NDF: 2010434.3/26

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6916.920+/-1.234 χ^2/NDF: 2654636.0/30

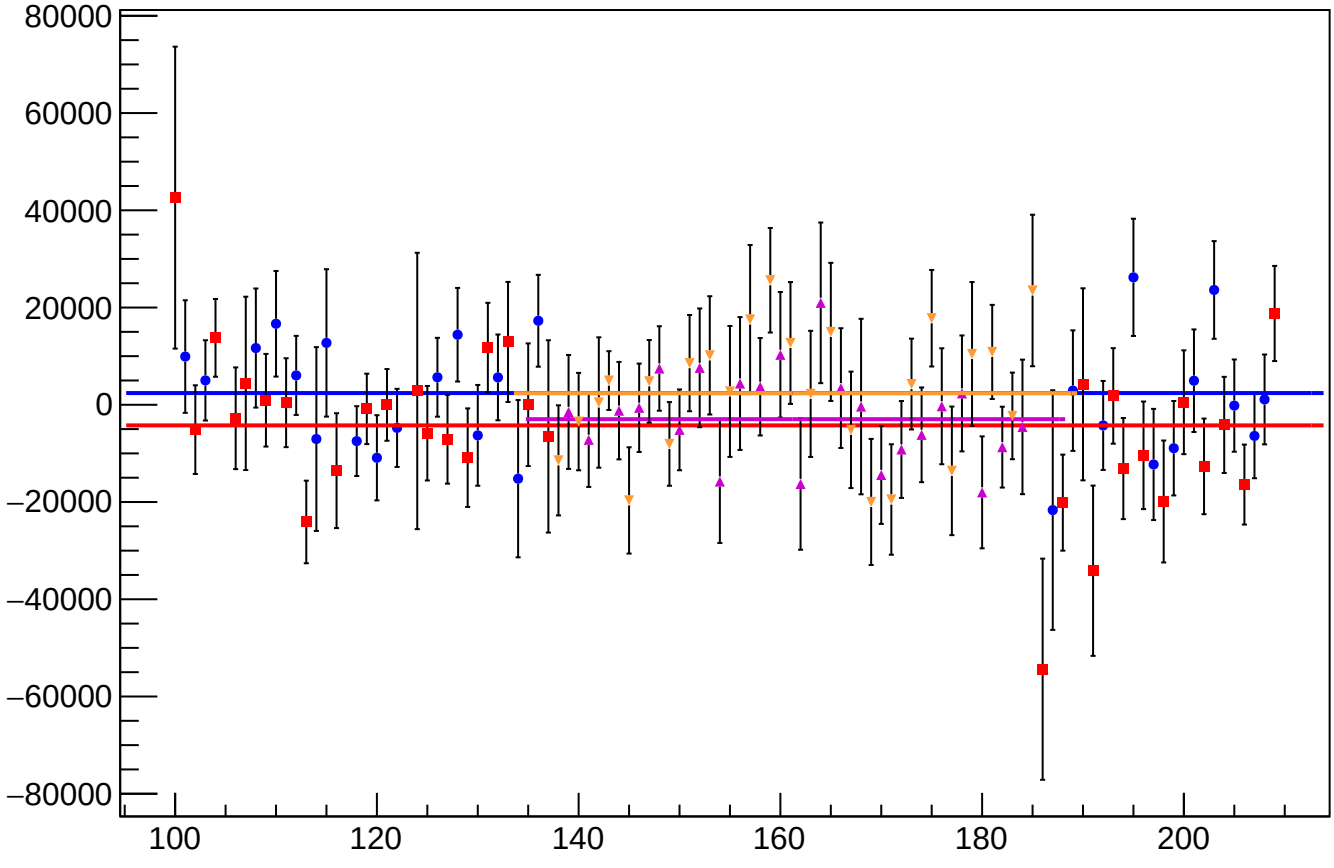
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8119.718+/-1.021 χ^2/NDF: 4911551.5/50

All: 8016.784+/-0.709 χ^2/NDF: 10792454.0/1

- sign 7920.990+/-0.985 χ^2/NDF: 5861285.4/53

asym_atl2_mean vs Slug



Right In: 2411.679+/-1921.667 χ^2/NDF: 29.0/26

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -4236.038+/-1856.958 χ^2/NDF: 42.7/31

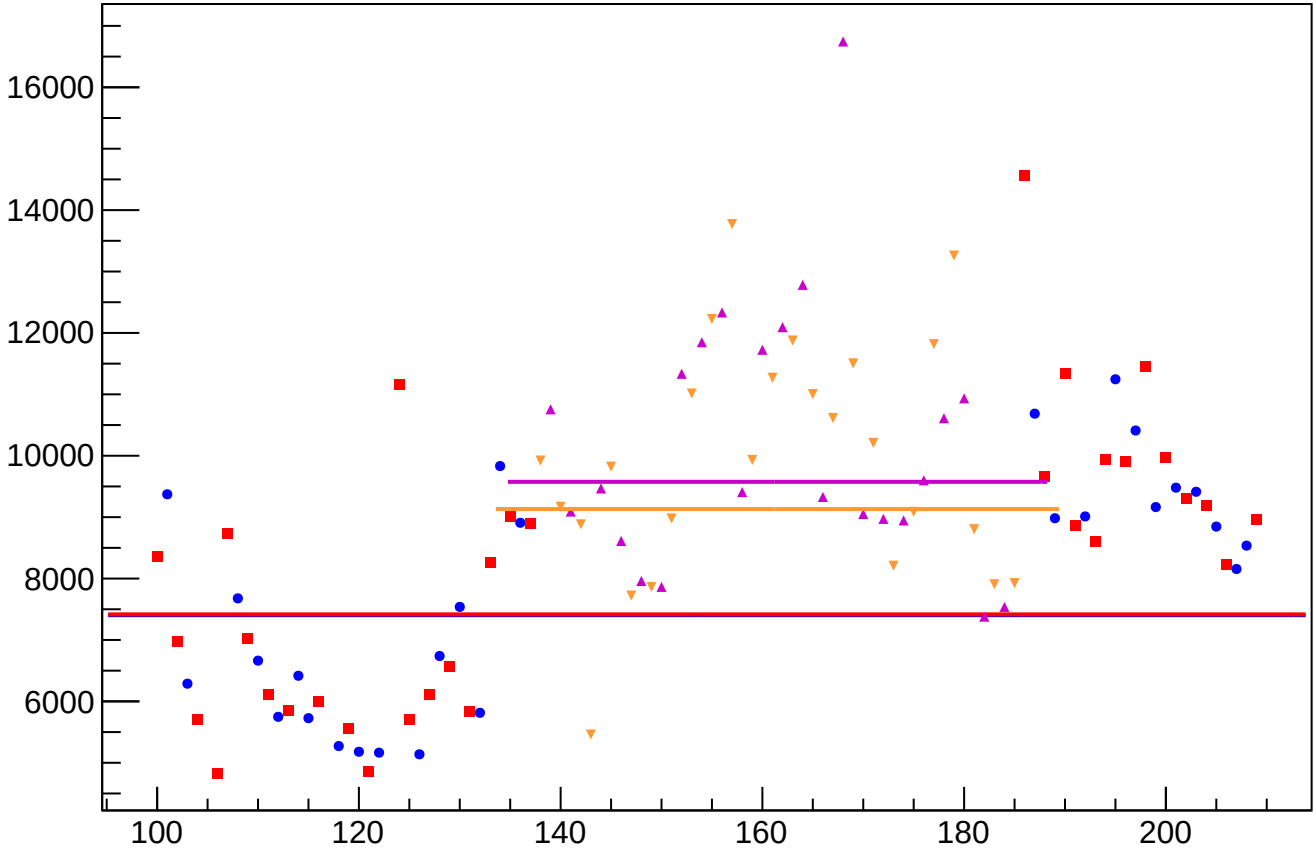
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2401.026+/-1428.766 χ^2/NDF: 58.7/51

All: -640.557+/-1014.086 χ^2/NDF: 123.7/106

- sign -3728.279+/-1439.562 χ^2/NDF: 55.9/54

asym_atl2_rms vs Slug



Right In: 7403.305+/-1.359 χ^2/NDF: 1790130.6/26

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7416.766+/-1.313 χ^2/NDF: 2179196.3/31

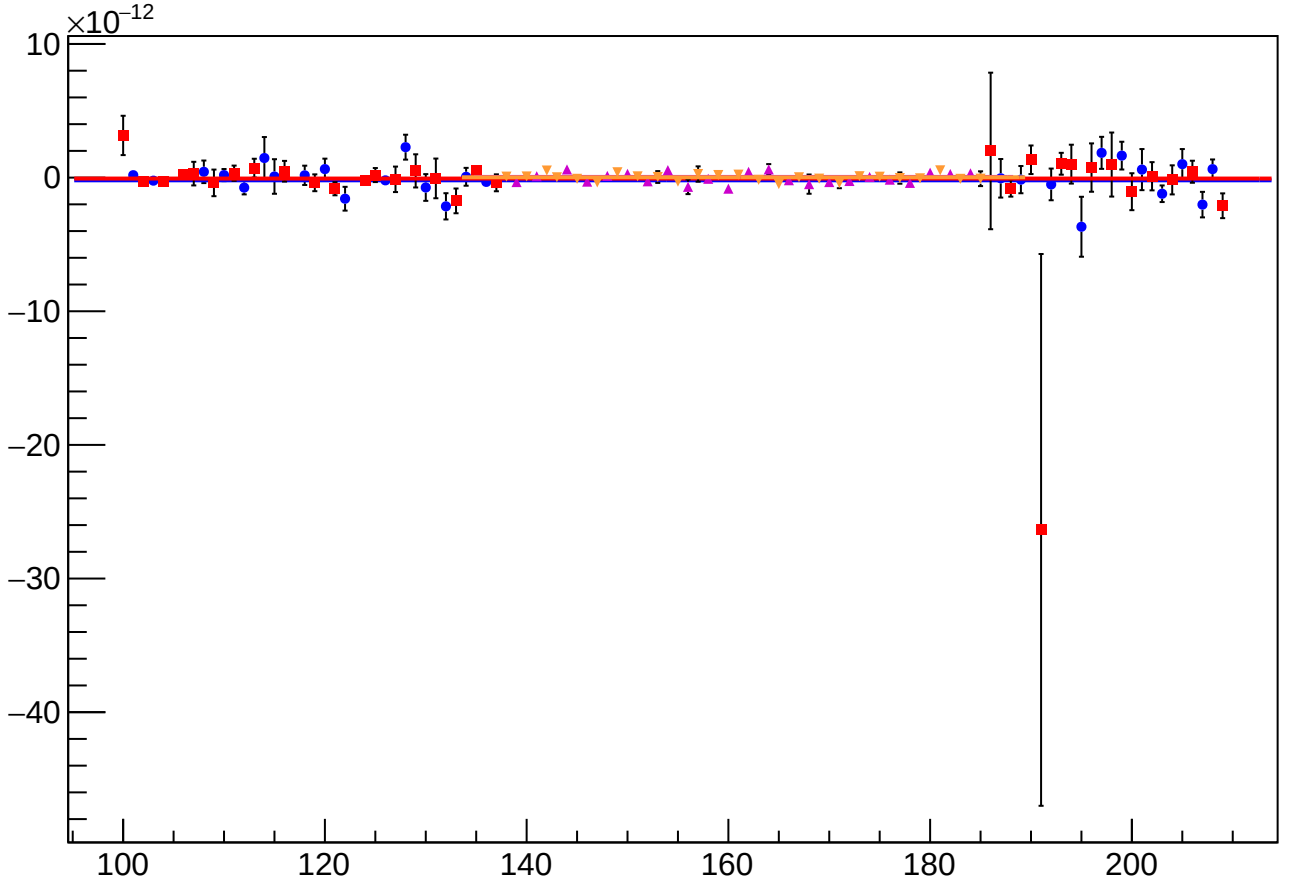
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8176.253+/-1.010 χ^2/NDF: 4325346.7/51

All: 8226.767+/-0.717 χ^2/NDF: 8741627.3/10

- sign 8278.046+/-1.018 χ^2/NDF: 4411243.0/54

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

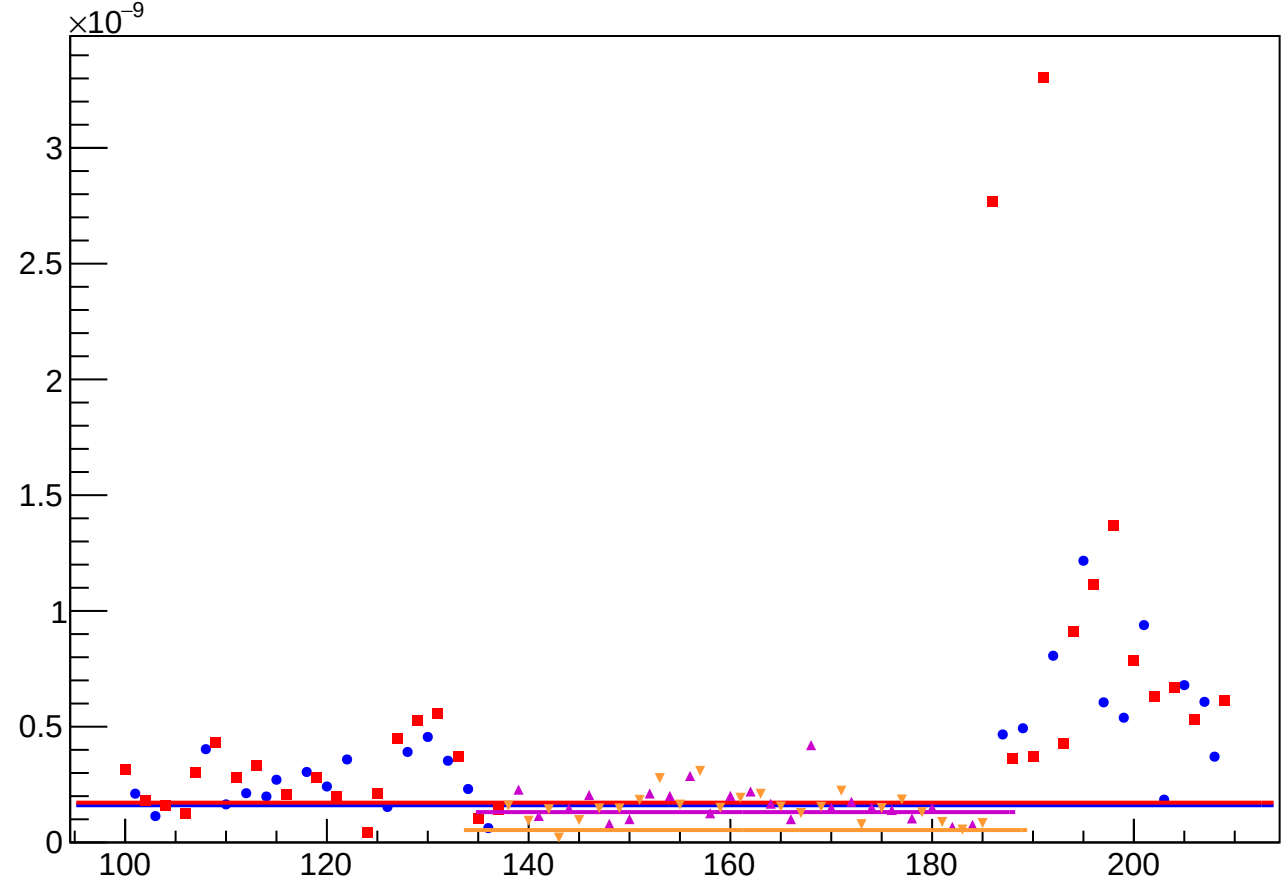
Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/31

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/51

All: 0.000+/-0.000 χ^2/NDF: 134.3/106

- sign 0.000+/-0.000 χ^2/NDF: 72.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 5364148.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7083843.9/31

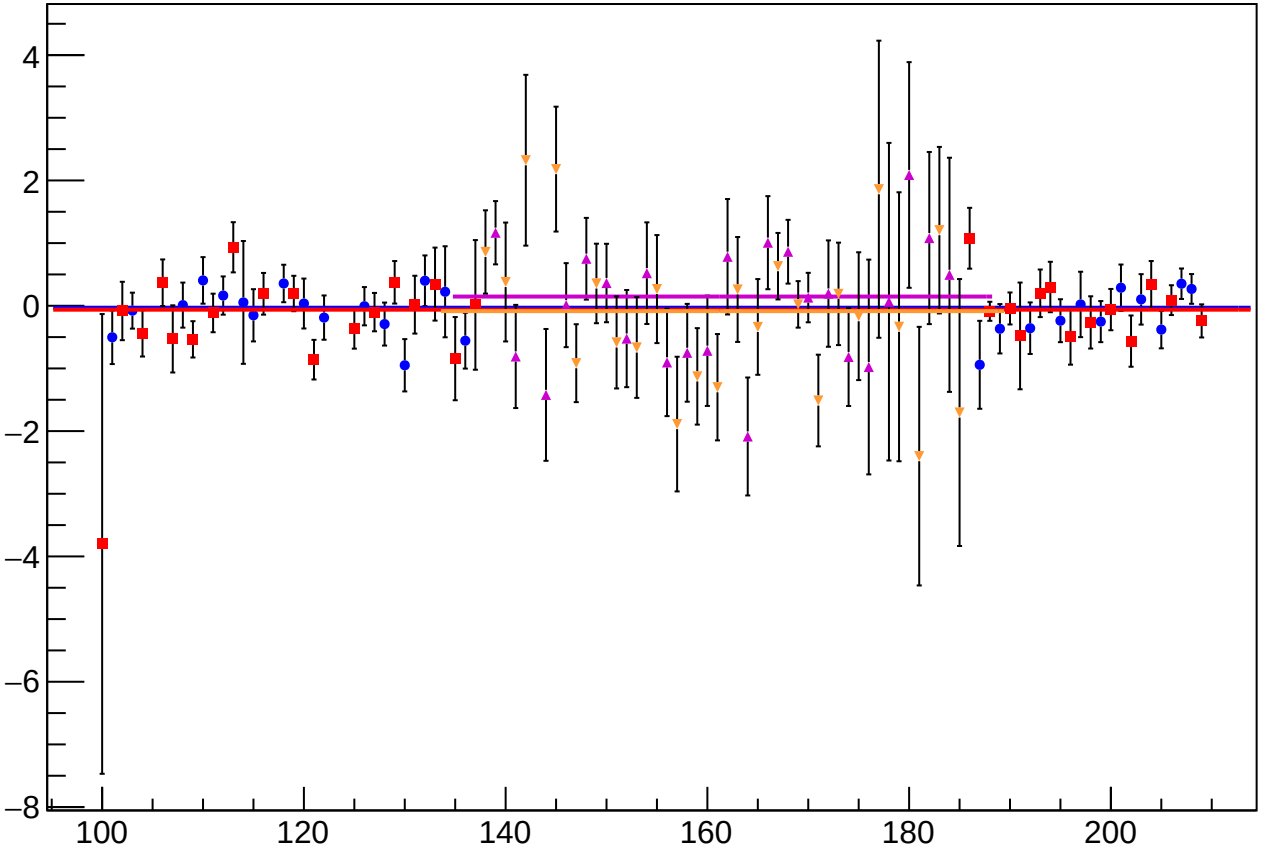
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15122947.5/51

All: 0.000+/-0.000 χ^2/NDF: 28478703.9/106

- sign 0.000+/-0.000 χ^2/NDF: 9282273.3/54

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.061 χ^2/NDF: 37.1/30

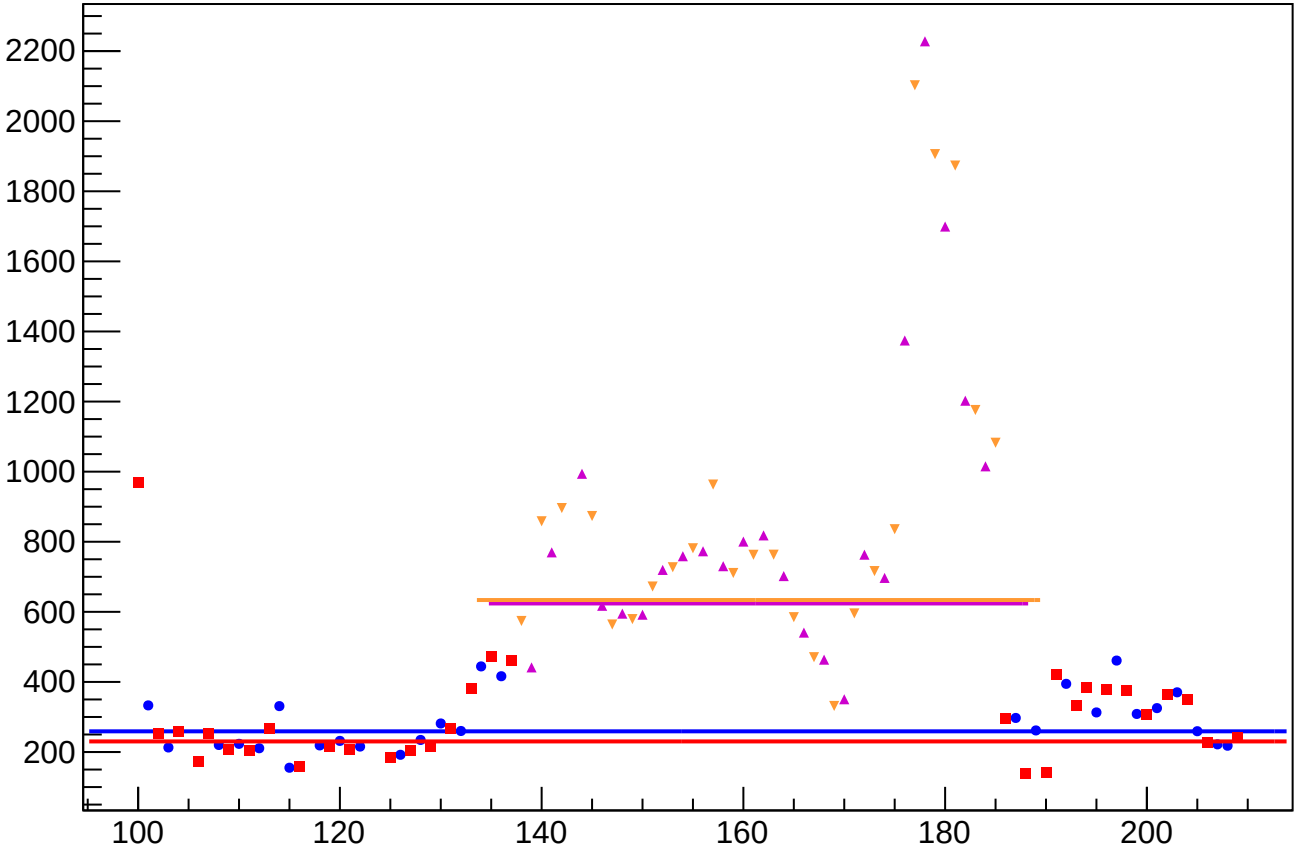
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.037+/-0.043 χ^2/NDF: 118.7/104

- sign -0.035+/-0.057 χ^2/NDF: 65.1/53

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 230.239+/-0.043 χ^2/NDF: 3412640.8/30

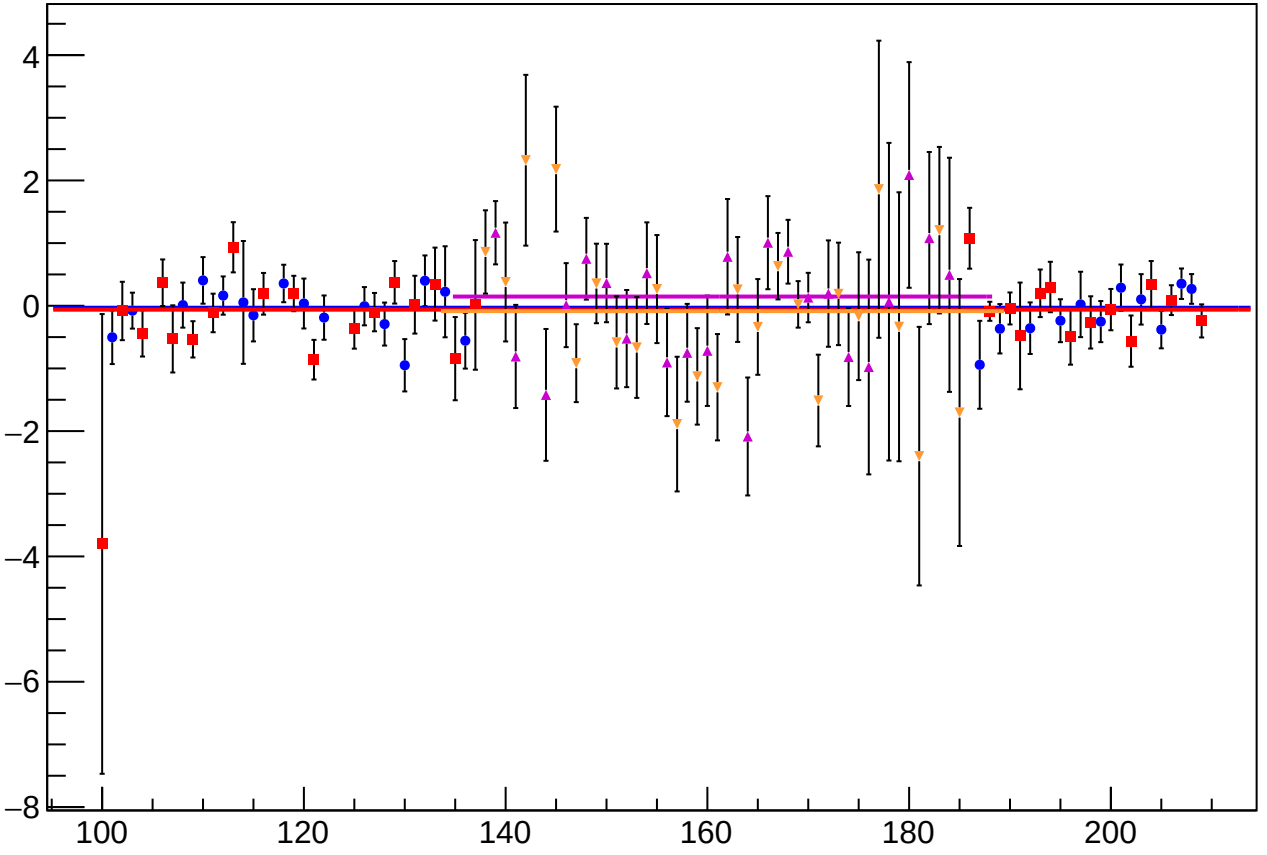
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 317.196+/-0.045 χ^2/NDF: 15940735.1/50

All: 297.573+/-0.030 χ^2/NDF: 35003714.6/10

- sign 281.700+/-0.040 χ^2/NDF: 18718574.0/53

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.061 χ^2/NDF: 37.1/30

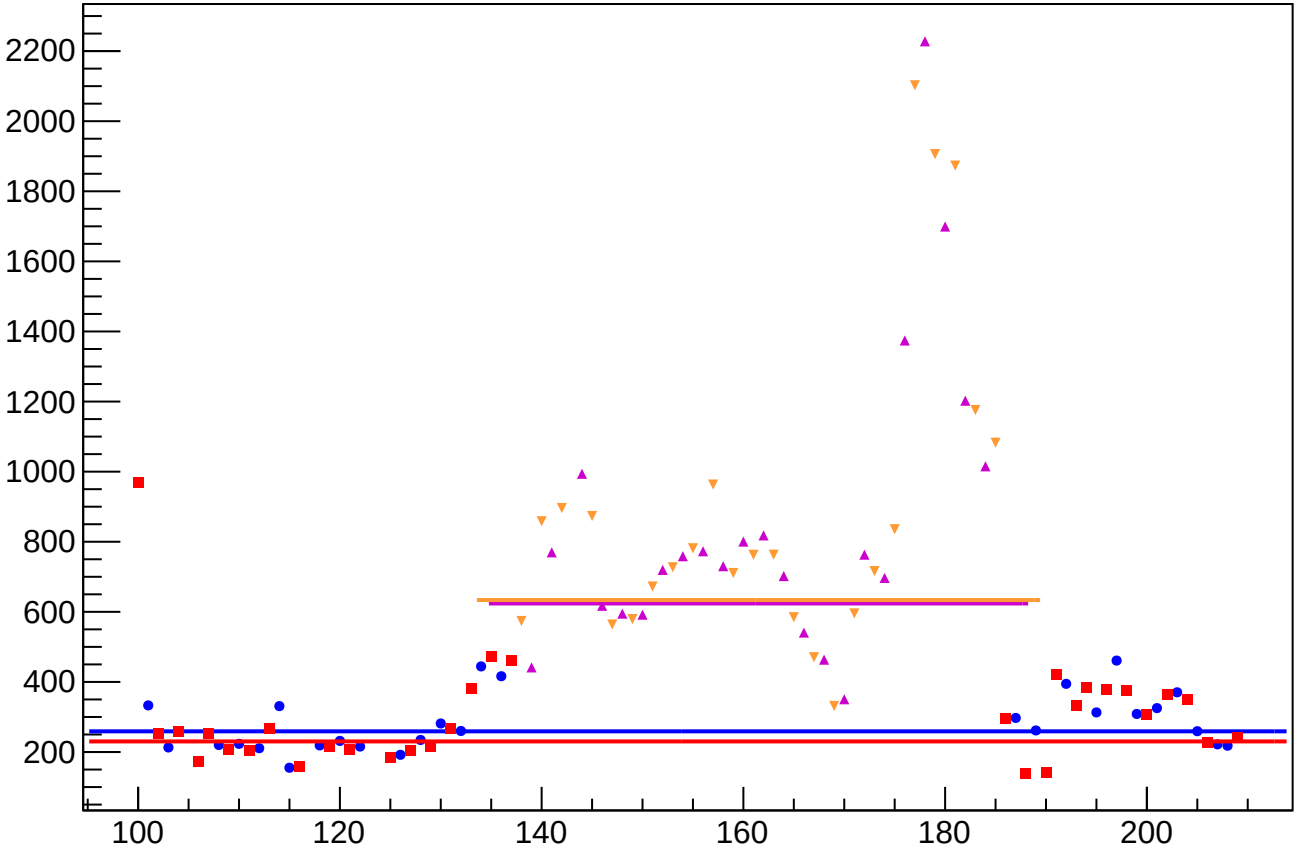
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.037+/-0.043 χ^2/NDF: 118.7/104

- sign -0.035+/-0.057 χ^2/NDF: 65.1/53

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

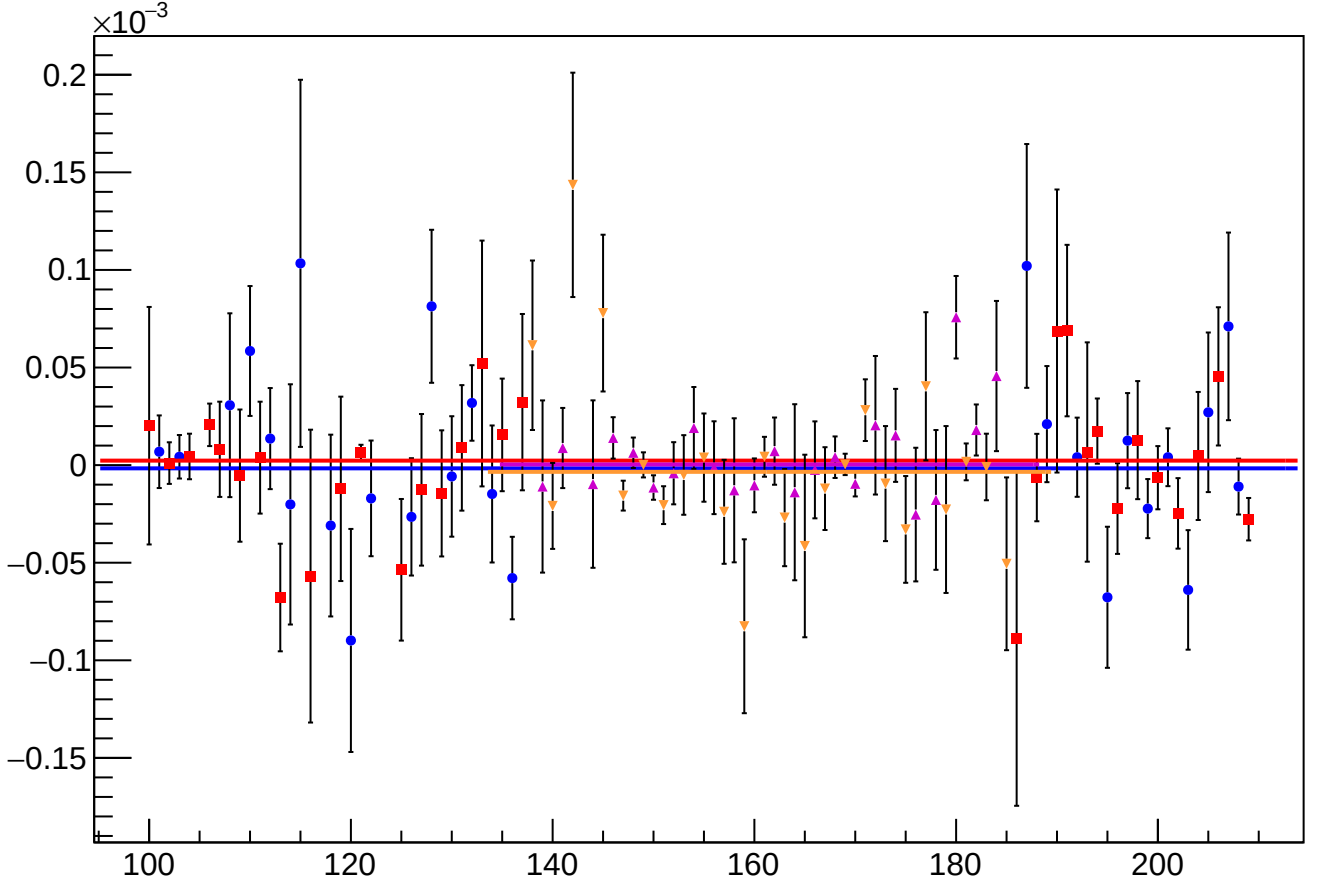
Right Out: 230.239+/-0.043 χ^2/NDF: 3412640.8/30

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 317.196+/-0.045 χ^2/NDF: 15940735.1/50

All: 297.573+/-0.030 χ^2/NDF: 35003714.6/10

- sign 281.700+/-0.040 χ^2/NDF: 18718574.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/30

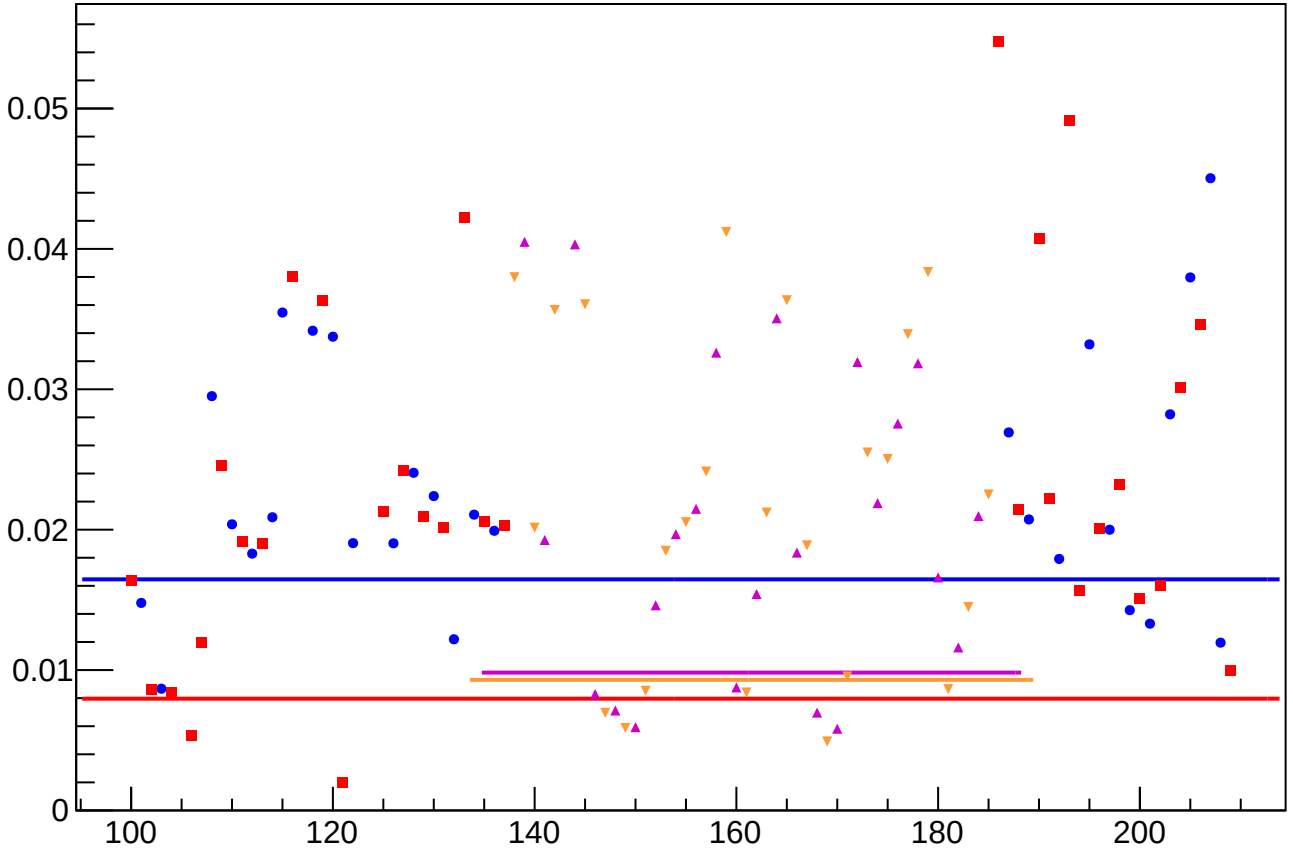
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.2/50

All: -0.000+/-0.000 χ^2/NDF: 138.8/104

- sign 0.000+/-0.000 χ^2/NDF: 61.7/53

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 4577326.5/26

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16499138.0/30

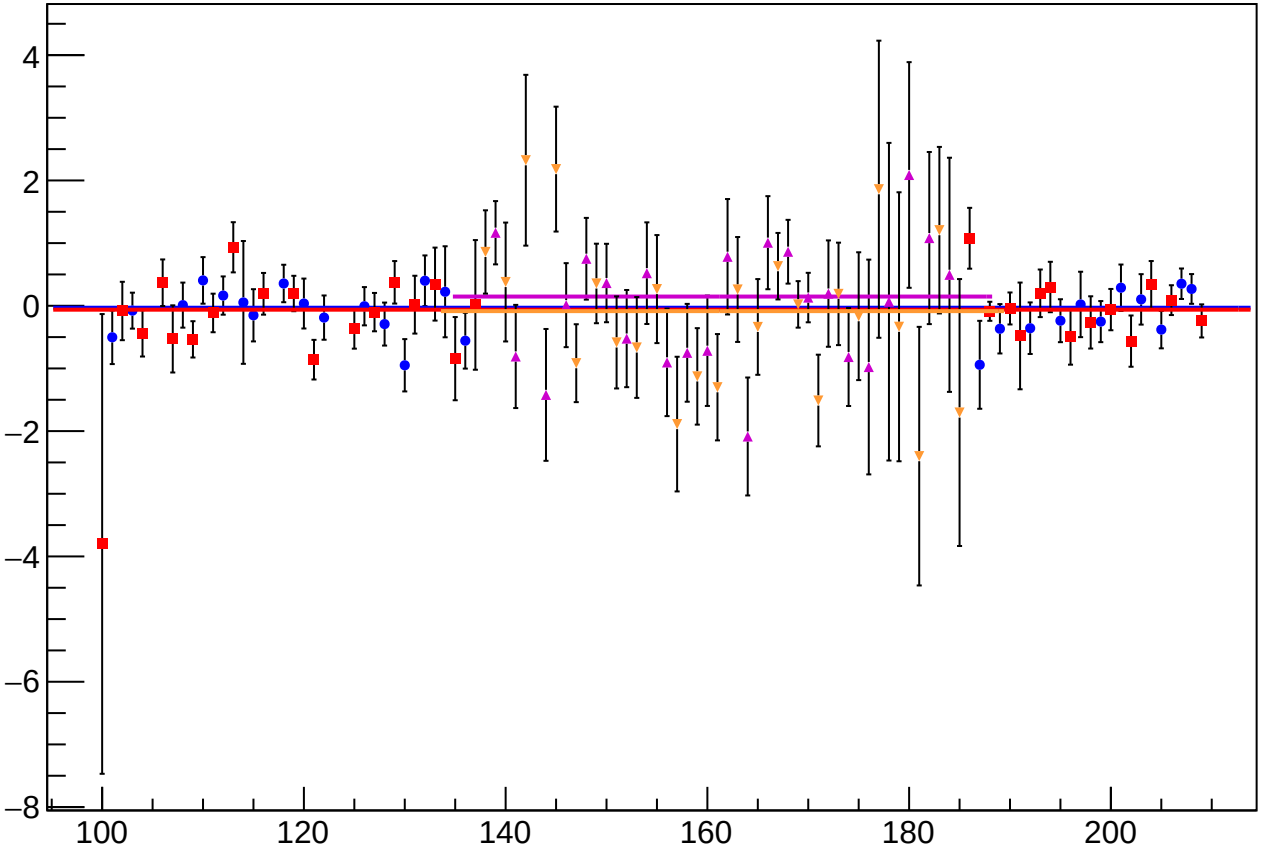
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 20339641.8/50

All: 0.010+/-0.000 χ^2/NDF: 48663829.7/104

- sign 0.009+/-0.000 χ^2/NDF: 27227405.6/53

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.062+/-0.061 χ^2/NDF: 37.1/30

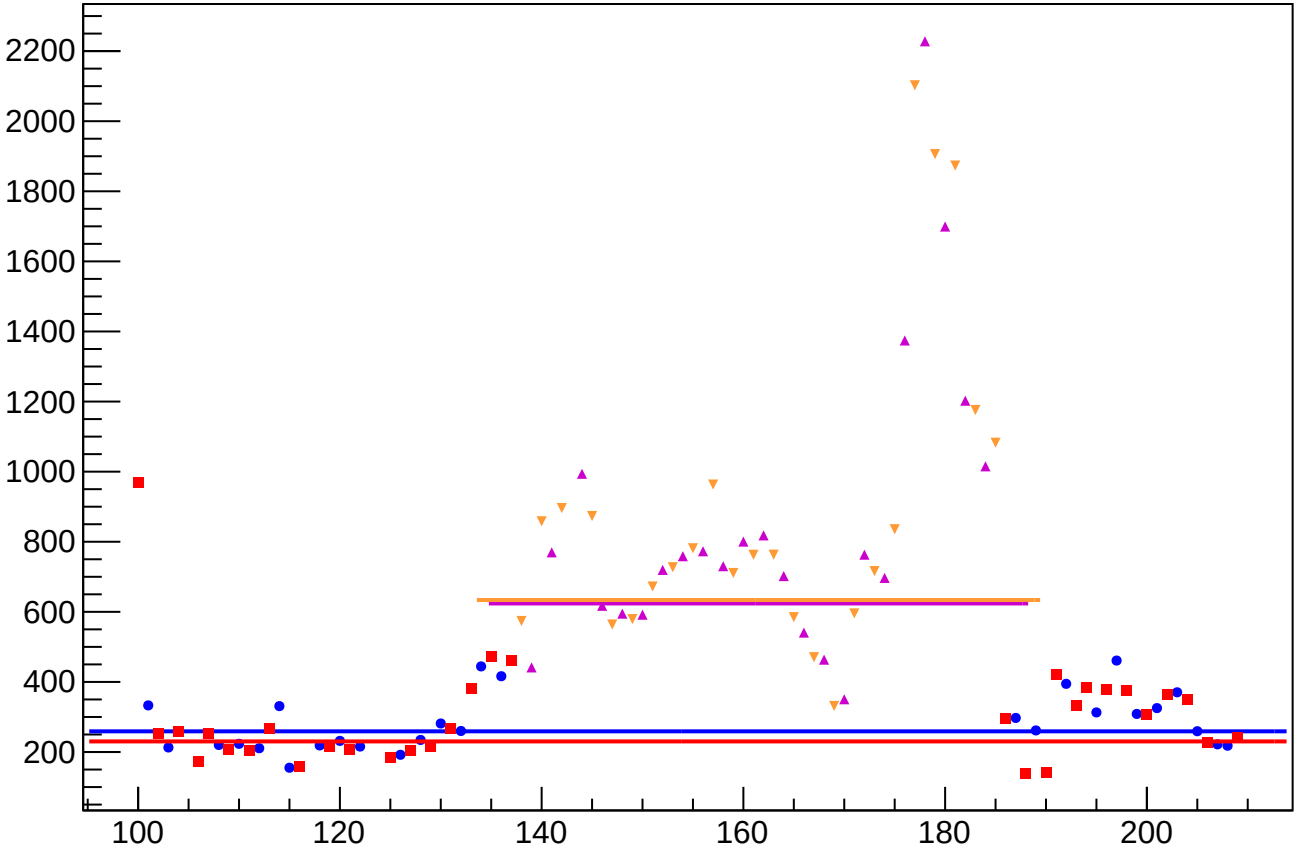
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.037+/-0.043 χ^2/NDF: 118.7/104

- sign -0.035+/-0.057 χ^2/NDF: 65.1/53

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 259.051+/-0.049 χ^2/NDF: 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

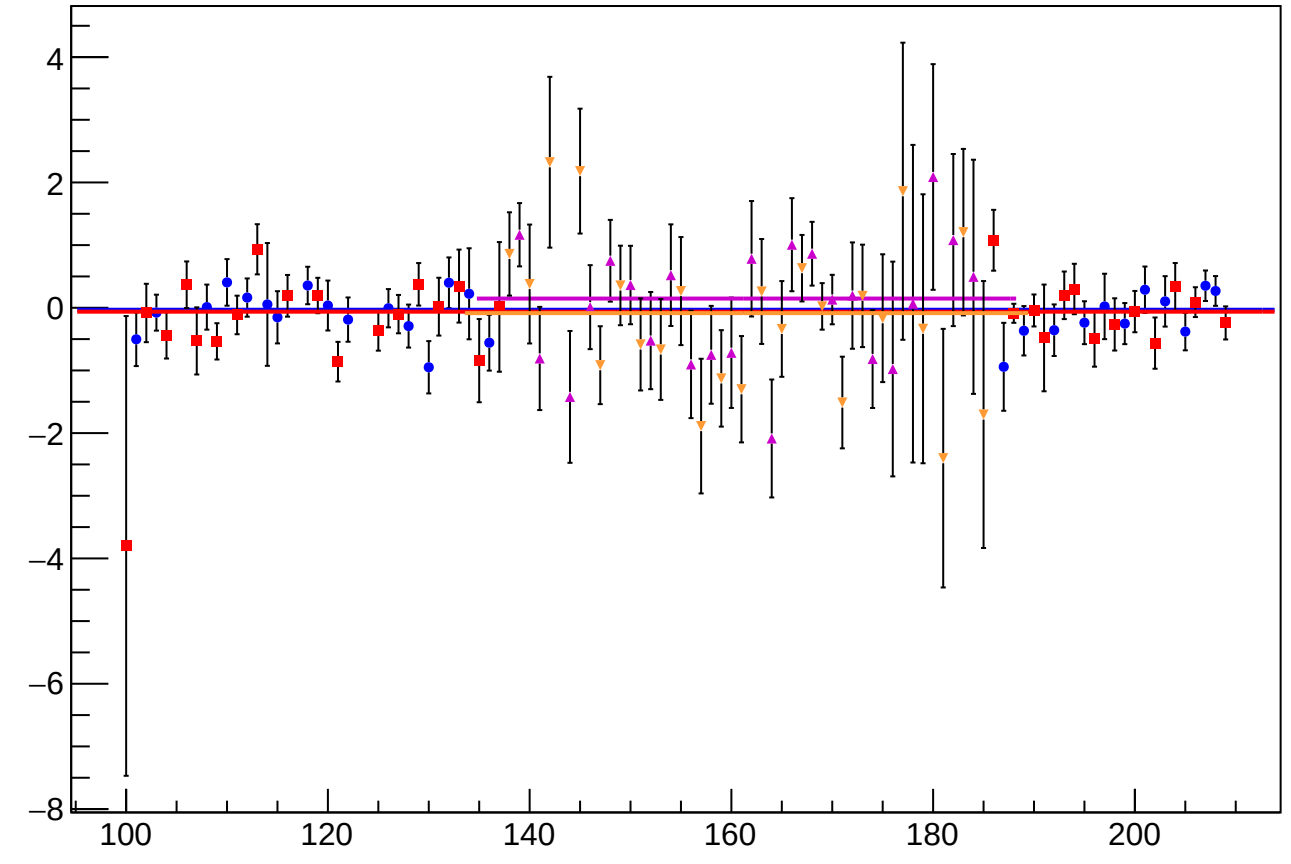
Right Out: 230.238+/-0.043 χ^2/NDF: 3412804.2/30

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 317.197+/-0.045 χ^2/NDF: 15940785.5/50

All: 297.572+/-0.030 χ^2/NDF: 35004239.3/10

- sign 281.698+/-0.040 χ^2/NDF: 18718985.9/53



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

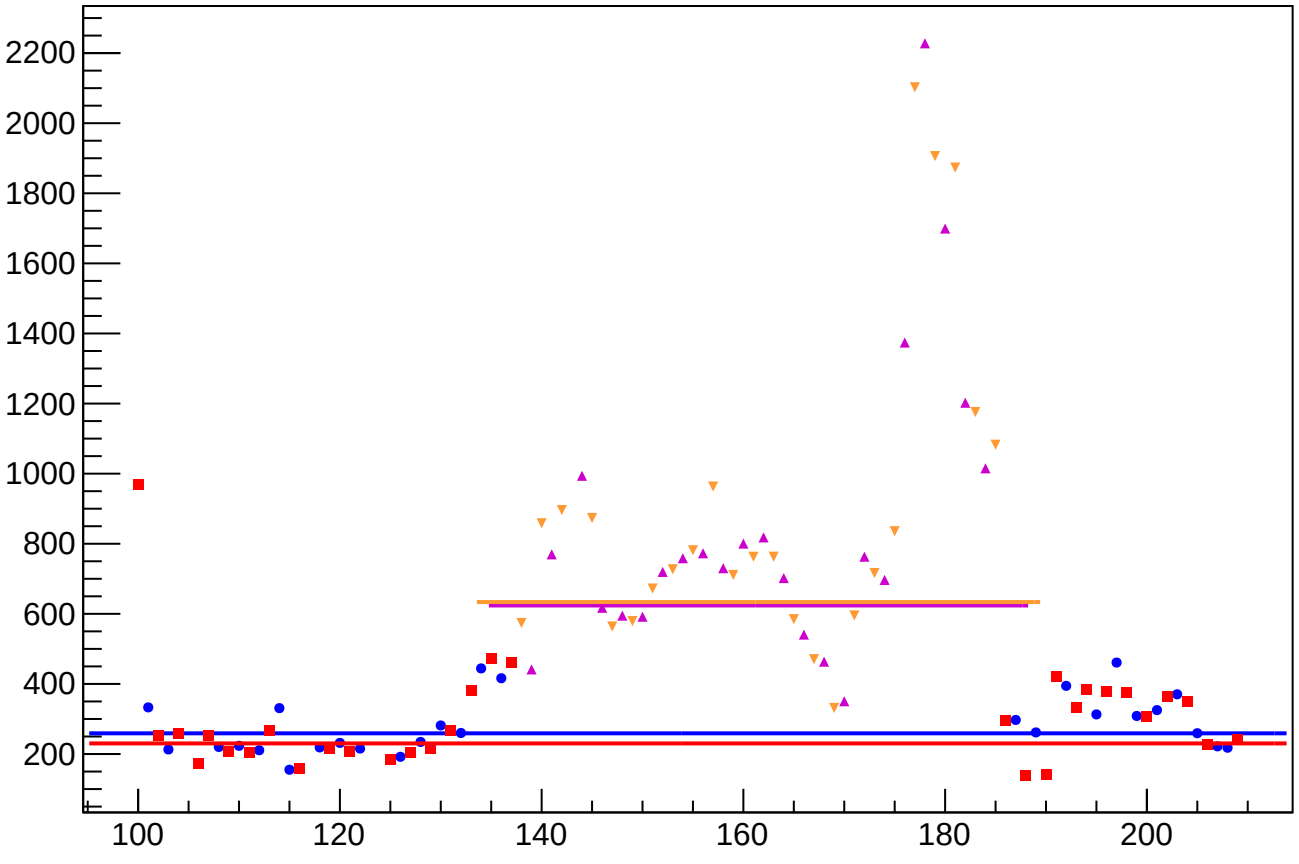
Right Out: -0.062+/-0.061 χ^2/NDF: 37.1/30

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

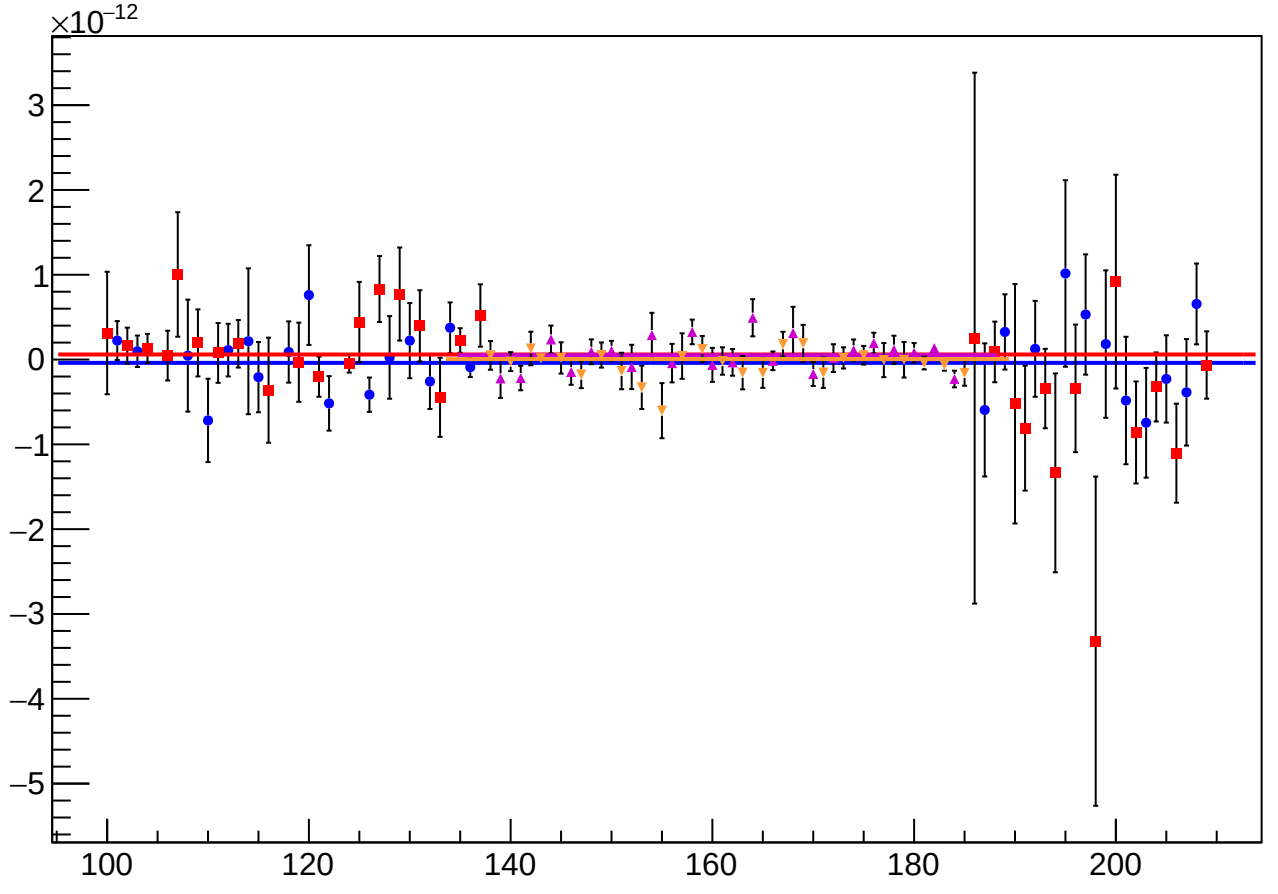
+ sign -0.040+/-0.064 χ^2/NDF: 53.6/50

All: -0.037+/-0.043 χ^2/NDF: 118.7/104

- sign -0.035+/-0.057 χ^2/NDF: 65.1/53


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 259.051+/-0.049 χ²/NDF: 1847596.5/26
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 230.238+/-0.043 χ²/NDF: 3412804.2/30
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 317.197+/-0.045 χ²/NDF: 15940785.5/50
All: 297.572+/-0.030 χ²/NDF: 35004239.3/10
- sign 281.698+/-0.040 χ²/NDF: 18718985.9/53

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/31

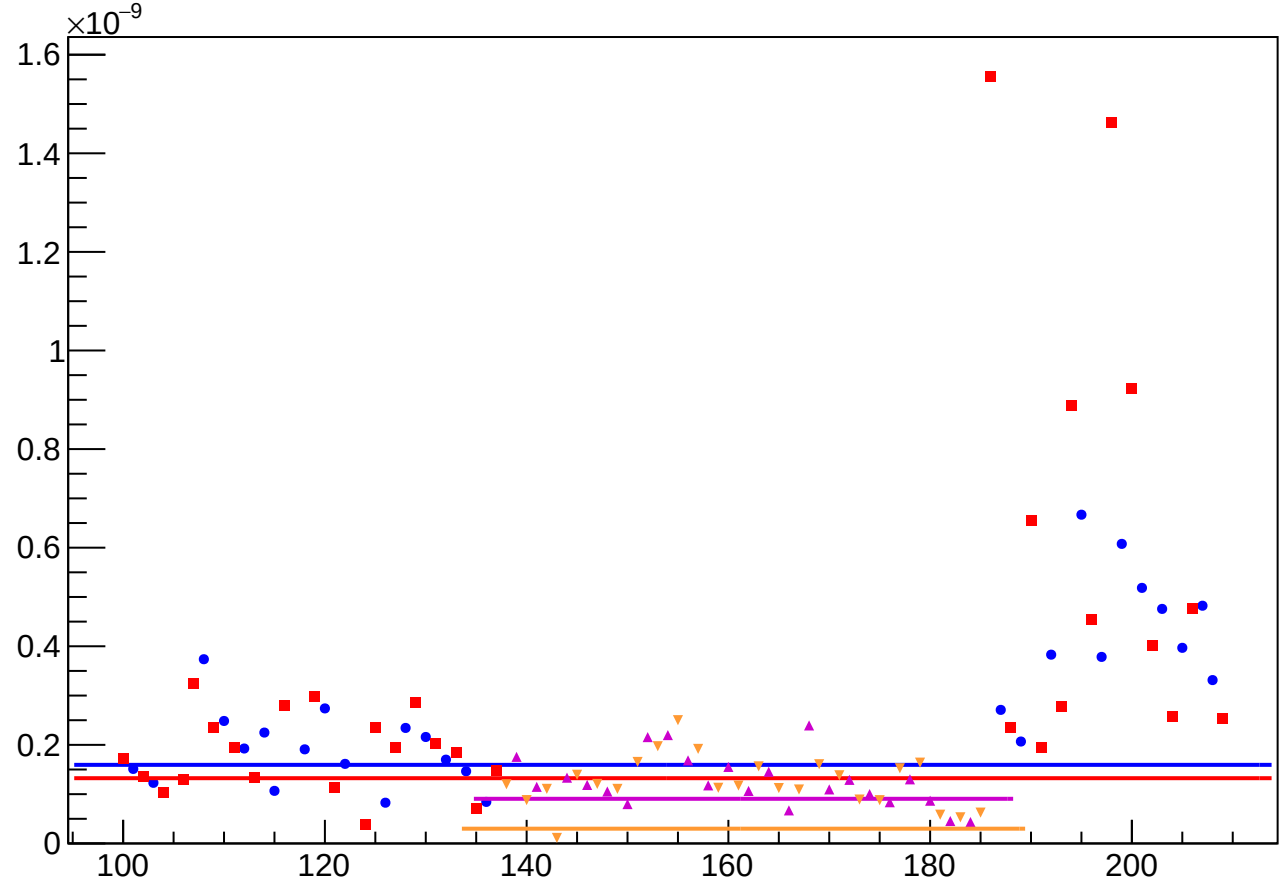
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.1/51

All: 0.000+/-0.000 χ^2/NDF: 105.5/106

- sign 0.000+/-0.000 χ^2/NDF: 64.2/54

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5384374.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8479014.3/31

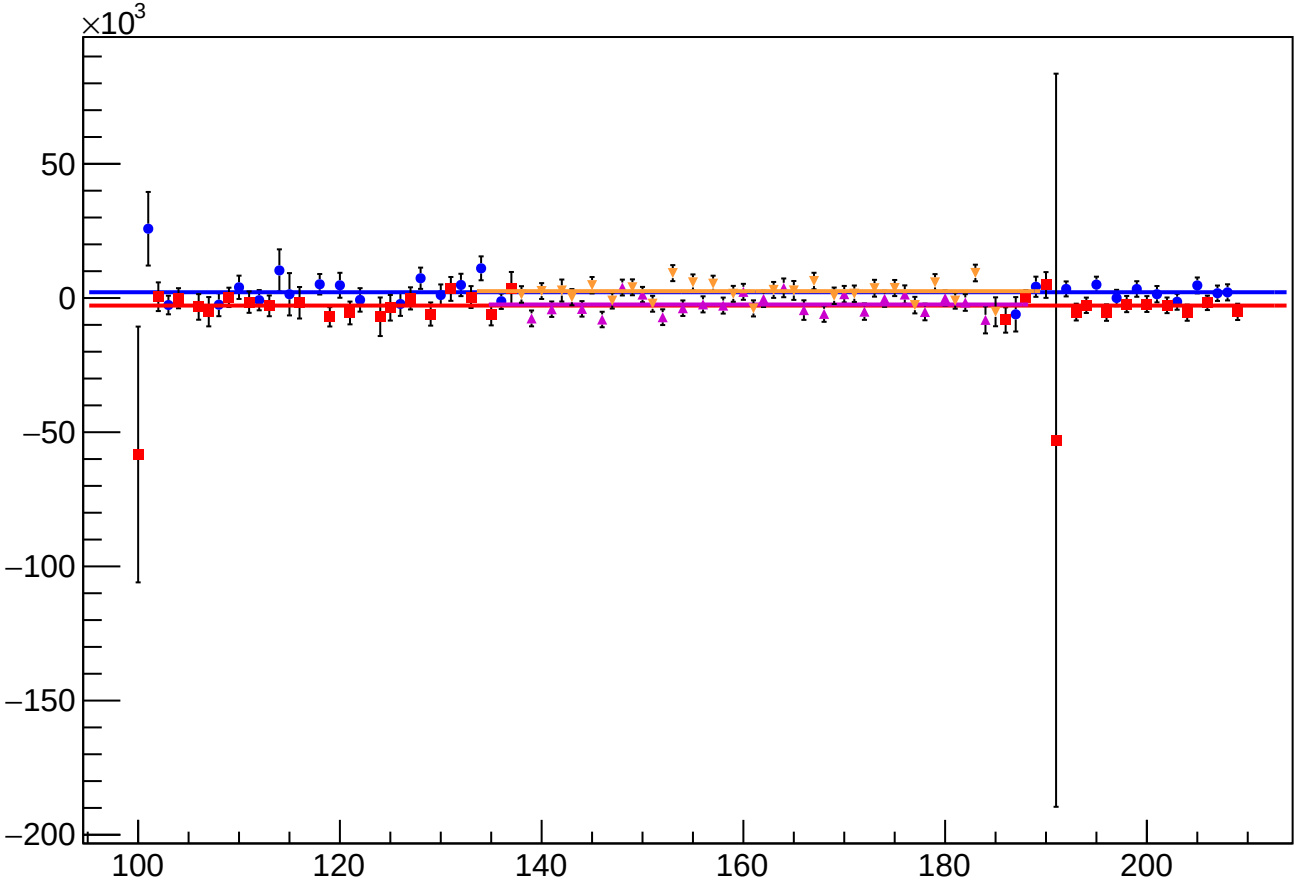
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 30610724.5/51

All: 0.000+/-0.000 χ^2/NDF: 54729597.0/106

- sign 0.000+/-0.000 χ^2/NDF: 14097027.7/54

reg_asym_atr1_mean vs Slug



Right In: 2159.465+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2809.021+/-679.424 χ^2/NDF: 18.8/31

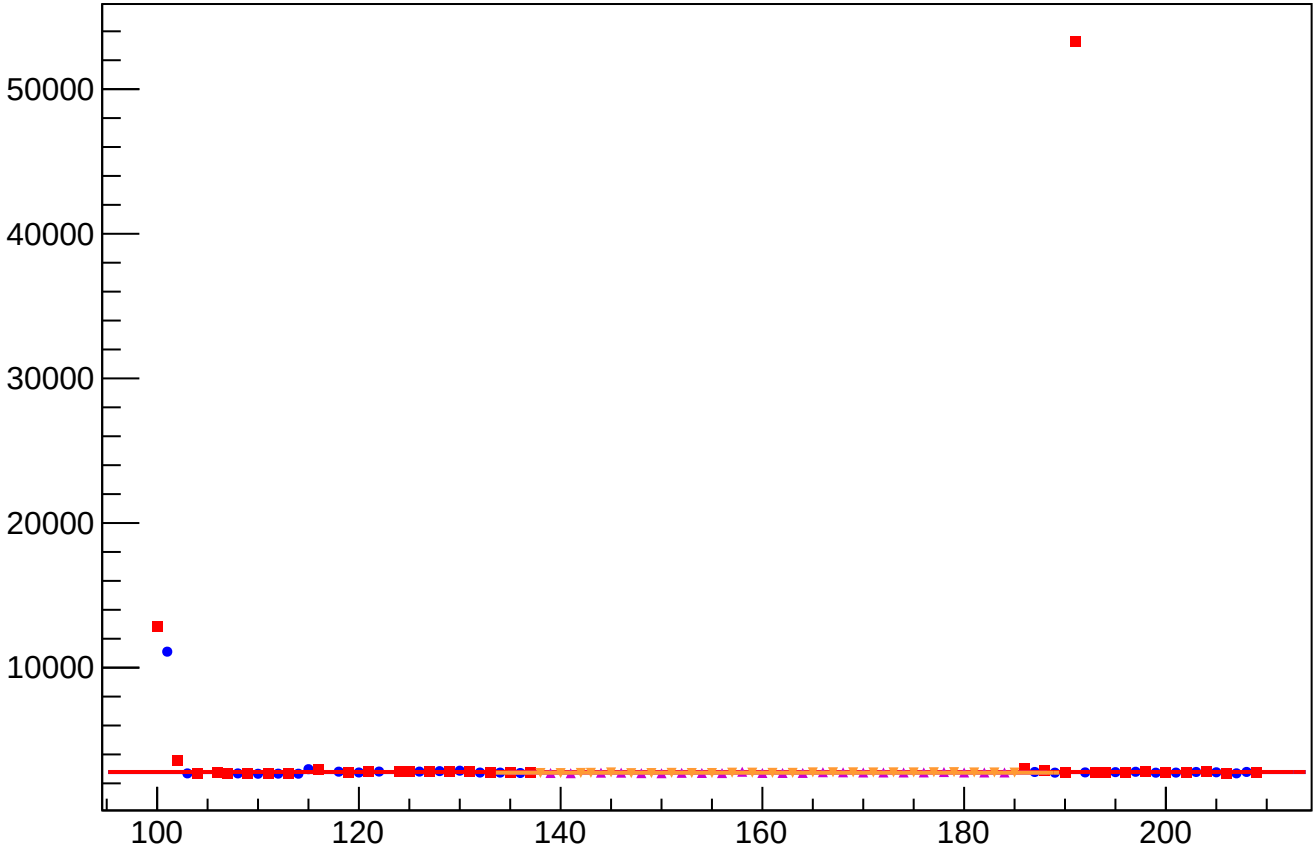
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2383.418+/-466.827 χ^2/NDF: 55.5/51

All: -112.319+/-329.718 χ^2/NDF: 162.9/106

- sign -2596.623+/-465.757 χ^2/NDF: 50.3/54

reg_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF: 750457.2/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.728+/-0.480 χ^2/NDF: 481409.7/31

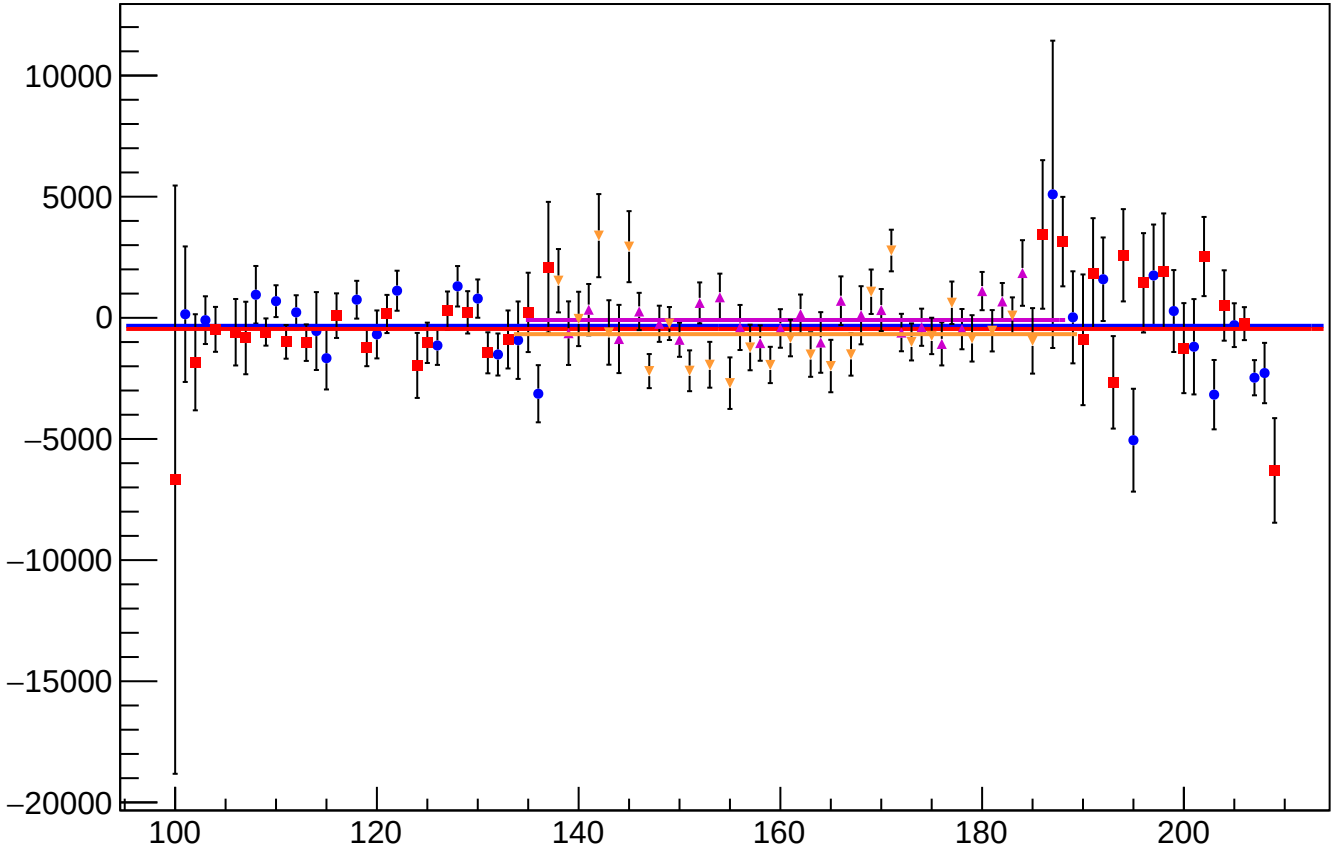
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.907+/-0.330 χ^2/NDF: 756782.6/51

All: 2758.904+/-0.233 χ^2/NDF: 1246762.7/10

- sign 2761.887+/-0.329 χ^2/NDF: 489815.7/54

asym_atr1_reg_correction_mean vs Slug



Right In: -329.137+/-202.895 χ^2/NDF: 48.3/26

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -458.818+/-193.717 χ^2/NDF: 33.5/31

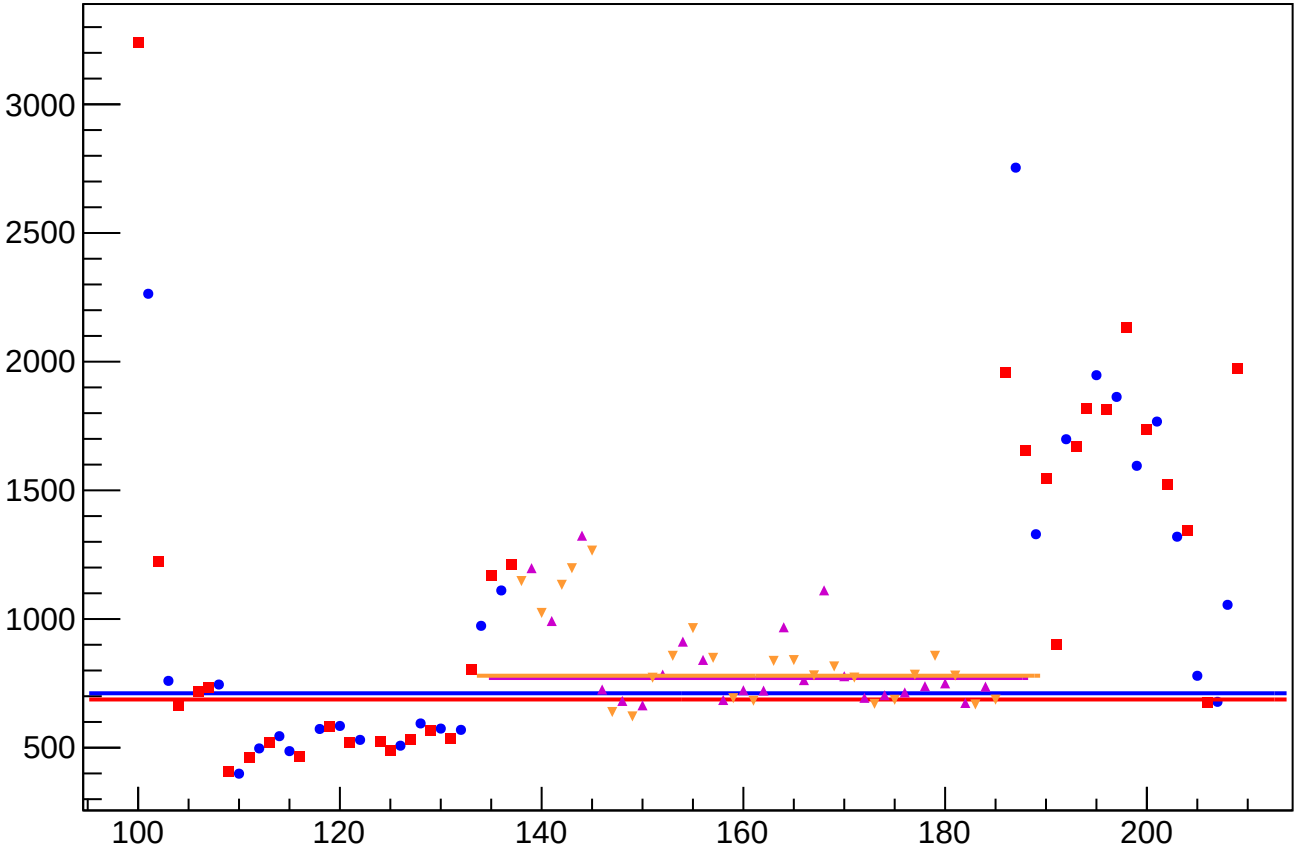
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -520.786+/-135.162 χ^2/NDF: 108.3/51

All: -390.615+/-94.879 χ^2/NDF: 160.3/106

- sign -264.165+/-133.216 χ^2/NDF: 50.2/54

asym_atr1_reg_correction_rms vs Slug



Right In: 711.476+/-0.143 χ^2/NDF: 6103290.7/26

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 687.371+/-0.137 χ^2/NDF: 7843745.2/31

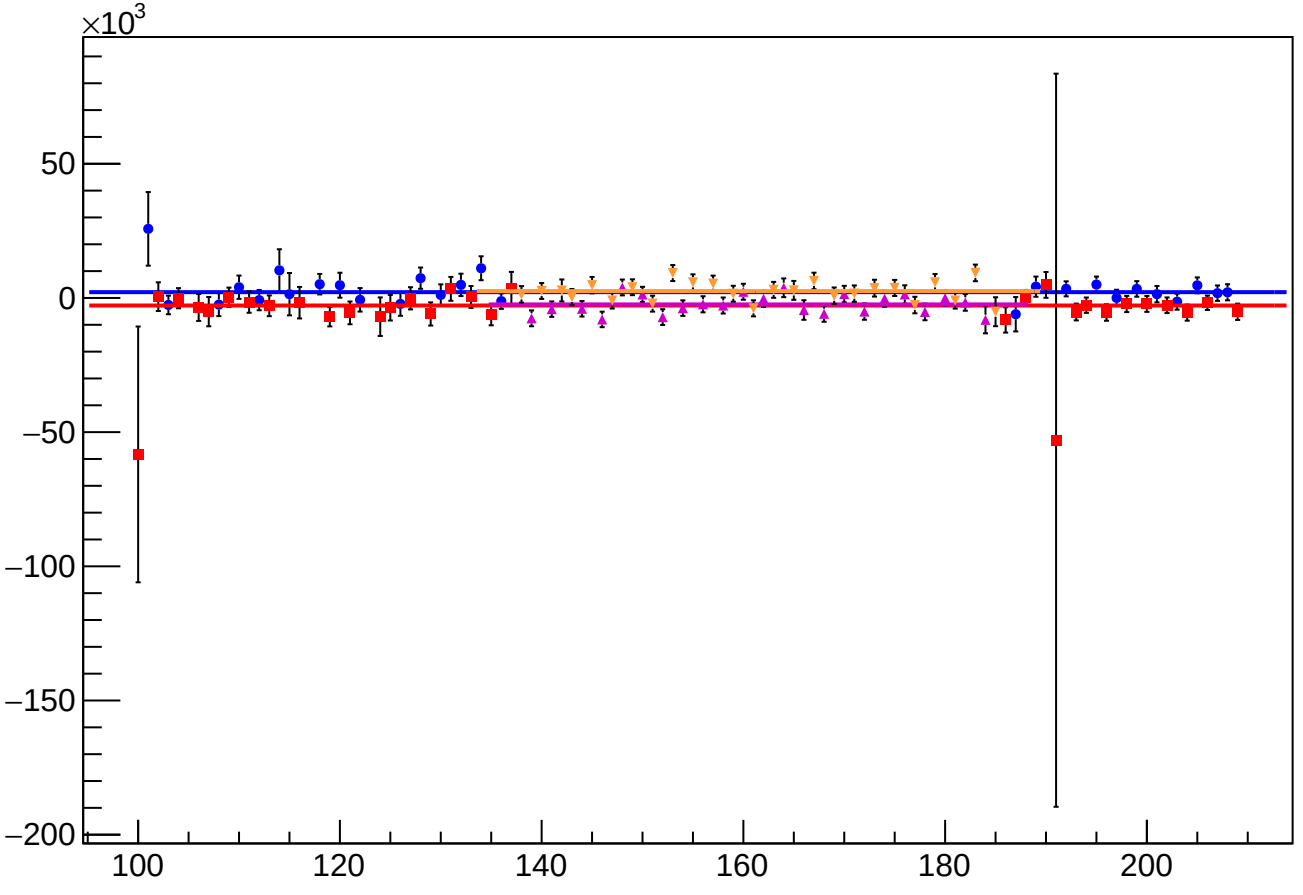
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 749.432+/-0.096 χ^2/NDF: 7472868.6/51

All: 740.256+/-0.067 χ^2/NDF: 16606646.3/10

- sign 731.343+/-0.094 χ^2/NDF: 9115606.5/54

cor_asym_atr1_mean vs Slug



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2812.353+/-680.097 χ^2/NDF: 18.8/31

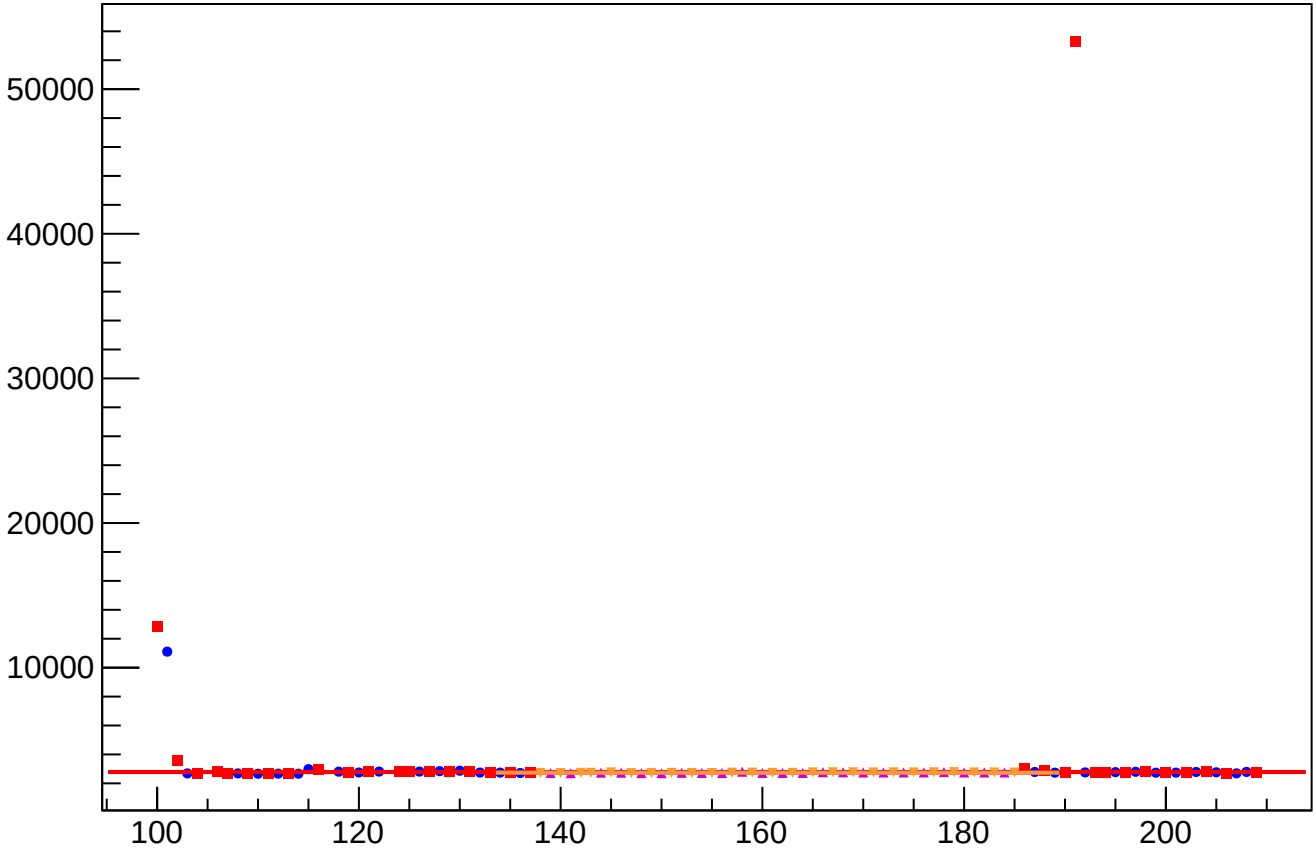
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2383.265+/-466.827 χ^2/NDF: 55.5/51

All: -111.961+/-329.795 χ^2/NDF: 162.9/106

- sign -2598.064+/-465.973 χ^2/NDF: 50.3/54

cor_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.016+/-0.481 χ^2/NDF: 481227.3/31

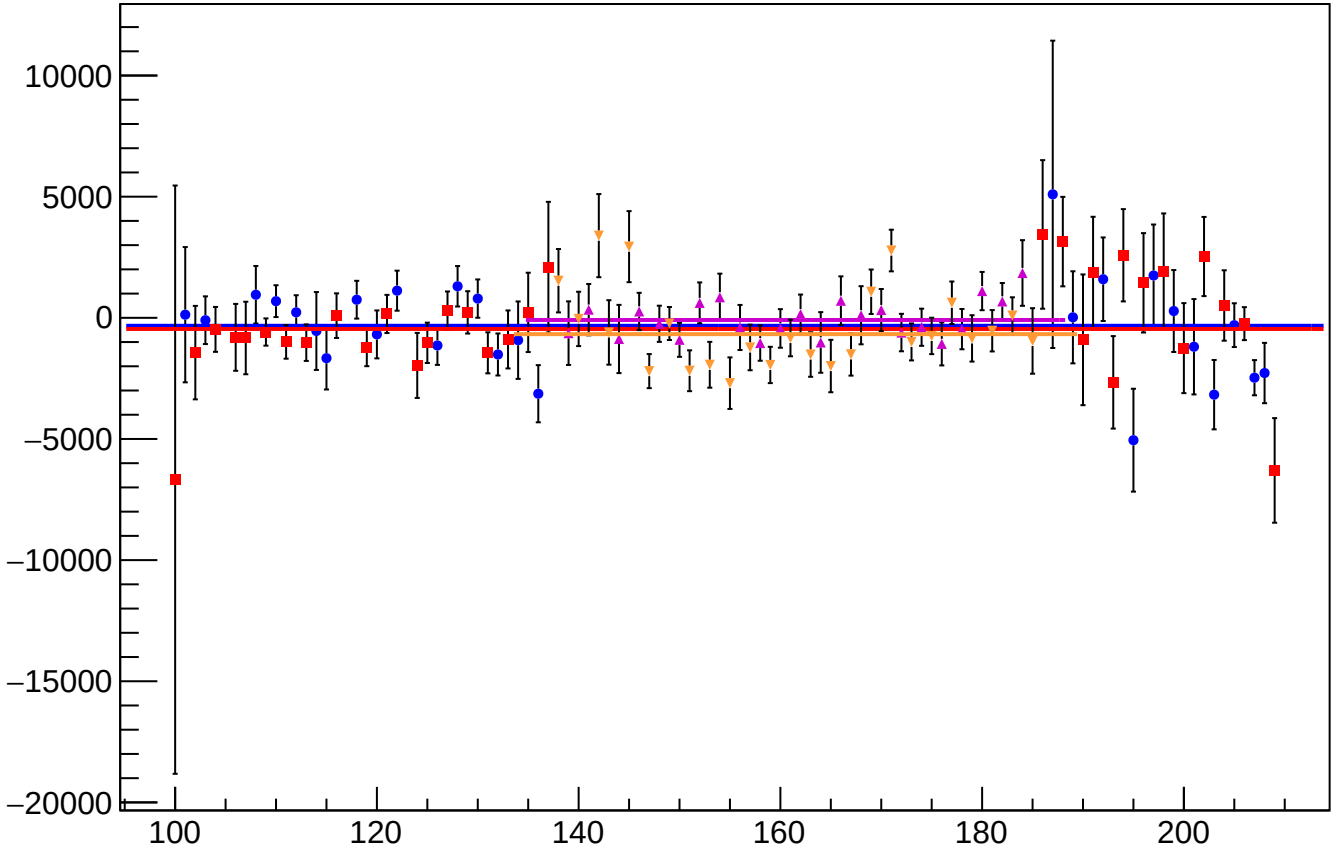
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.907+/-0.330 χ^2/NDF: 756781.7/51

All: 2759.429+/-0.233 χ^2/NDF: 1247140.8/10

- sign 2762.937+/-0.329 χ^2/NDF: 490131.9/54

asym_atr1_cor_correction_mean vs Slug



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -459.582+/-193.689 χ^2/NDF: 33.3/31

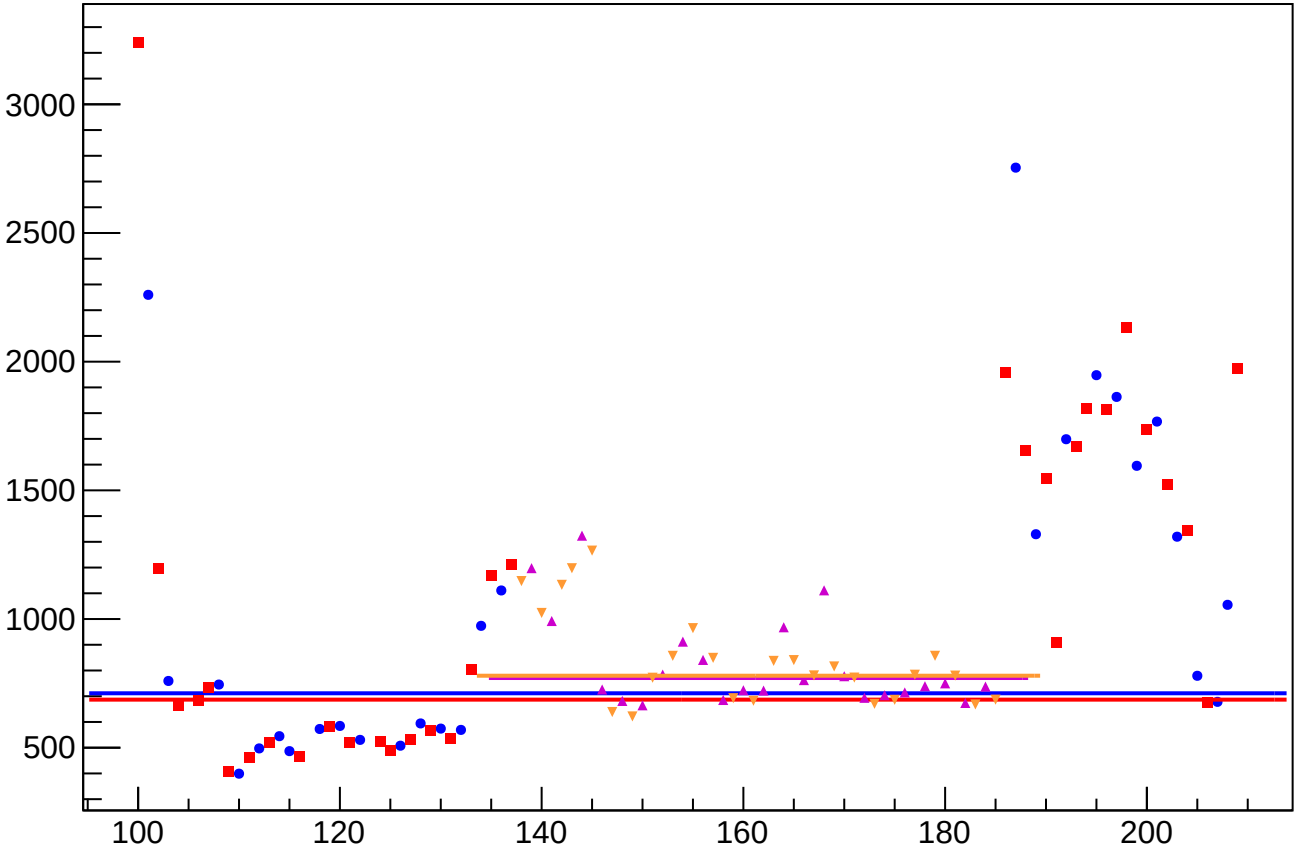
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -520.719+/-135.160 χ^2/NDF: 108.3/51

All: -390.806+/-94.875 χ^2/NDF: 160.1/106

- sign -264.619+/-133.208 χ^2/NDF: 50.0/54

asym_atr1_cor_correction_rms vs Slug



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 686.763+/-0.137 χ^2/NDF: 7838426.3/31

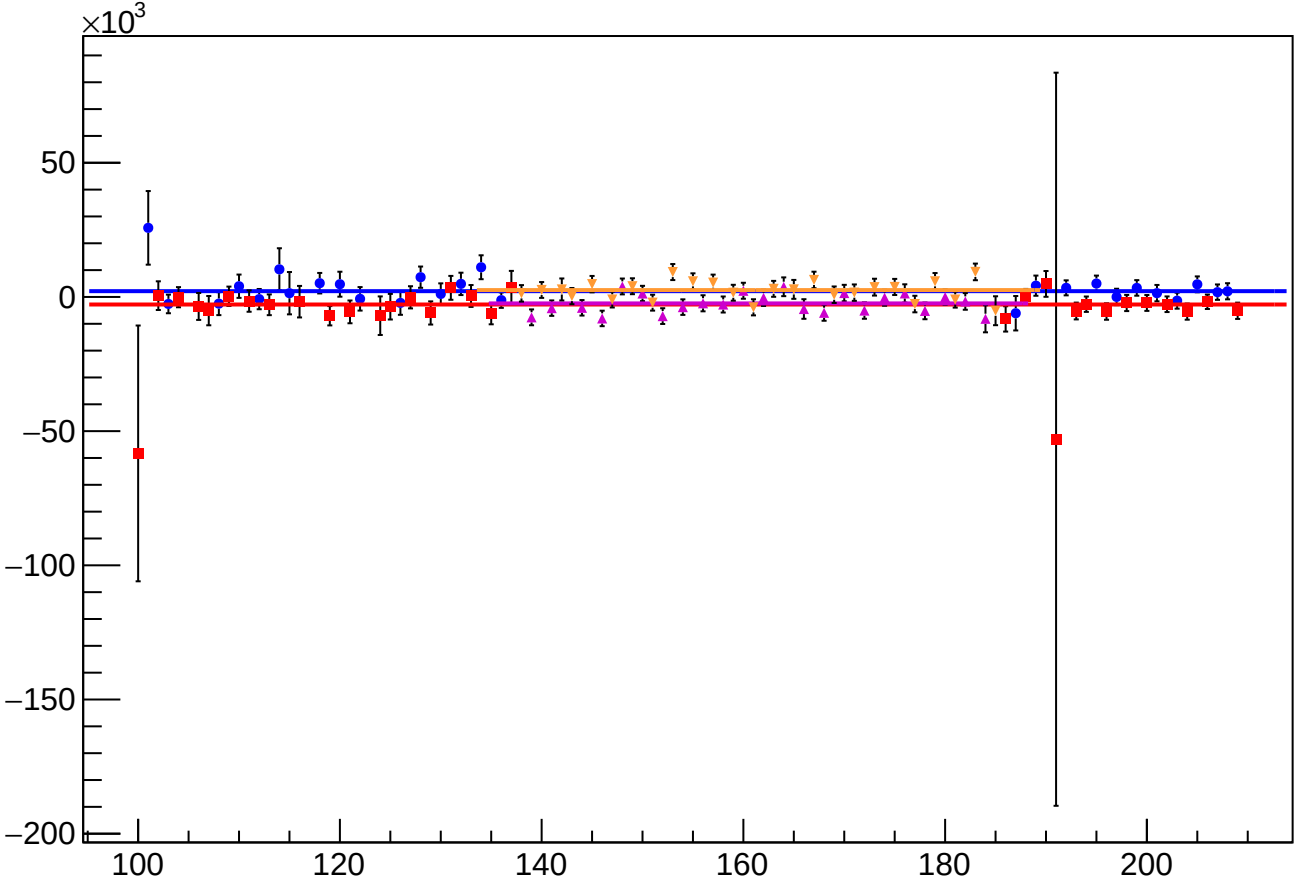
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 749.425+/-0.096 χ^2/NDF: 7472052.0/51

All: 740.104+/-0.067 χ^2/NDF: 16603930.5/10

- sign 731.051+/-0.094 χ^2/NDF: 9113130.0/54

eigen_cor_asym_atr1_mean vs Slug



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2812.353+/-680.097 χ^2/NDF: 18.8/31

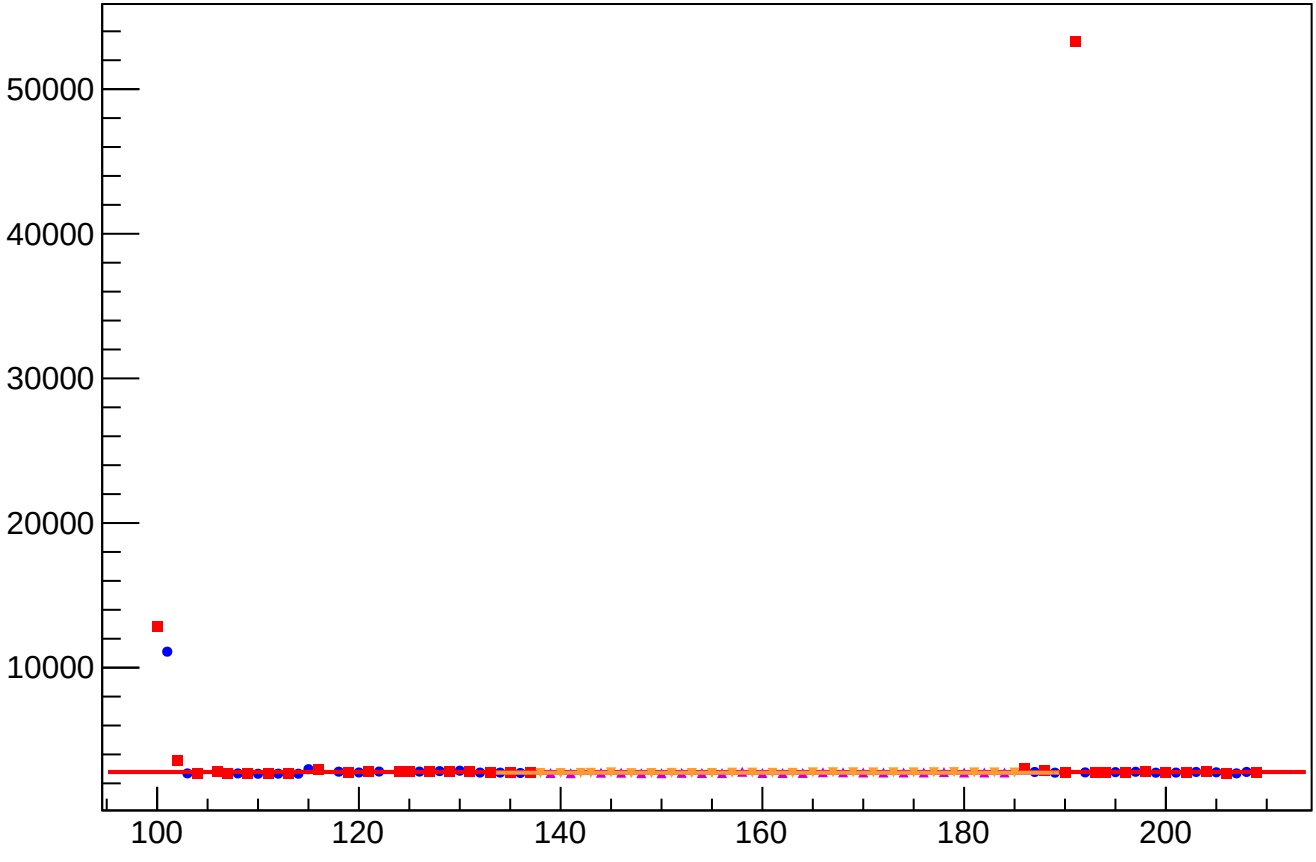
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2383.265+/-466.827 χ^2/NDF: 55.5/51

All: -111.961+/-329.795 χ^2/NDF: 162.9/106

- sign -2598.064+/-465.973 χ^2/NDF: 50.3/54

eigen_cor_asym_atr1_rms vs Slug



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.016+/-0.481 χ^2/NDF: 481227.3/31

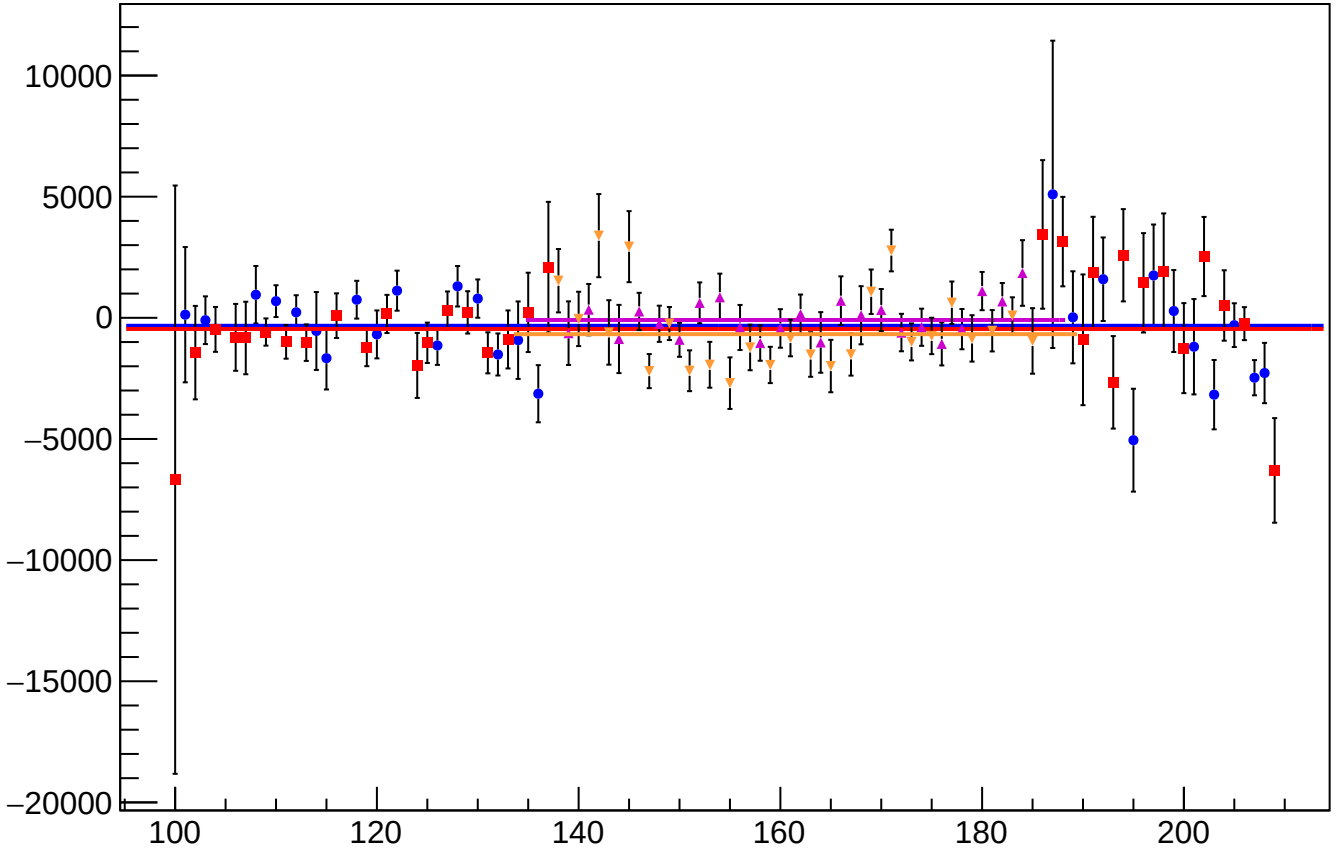
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2755.907+/-0.330 χ^2/NDF: 756781.7/51

All: 2759.429+/-0.233 χ^2/NDF: 1247140.8/10

- sign 2762.937+/-0.329 χ^2/NDF: 490131.9/54

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -459.582+/-193.689 χ^2/NDF: 33.3/31

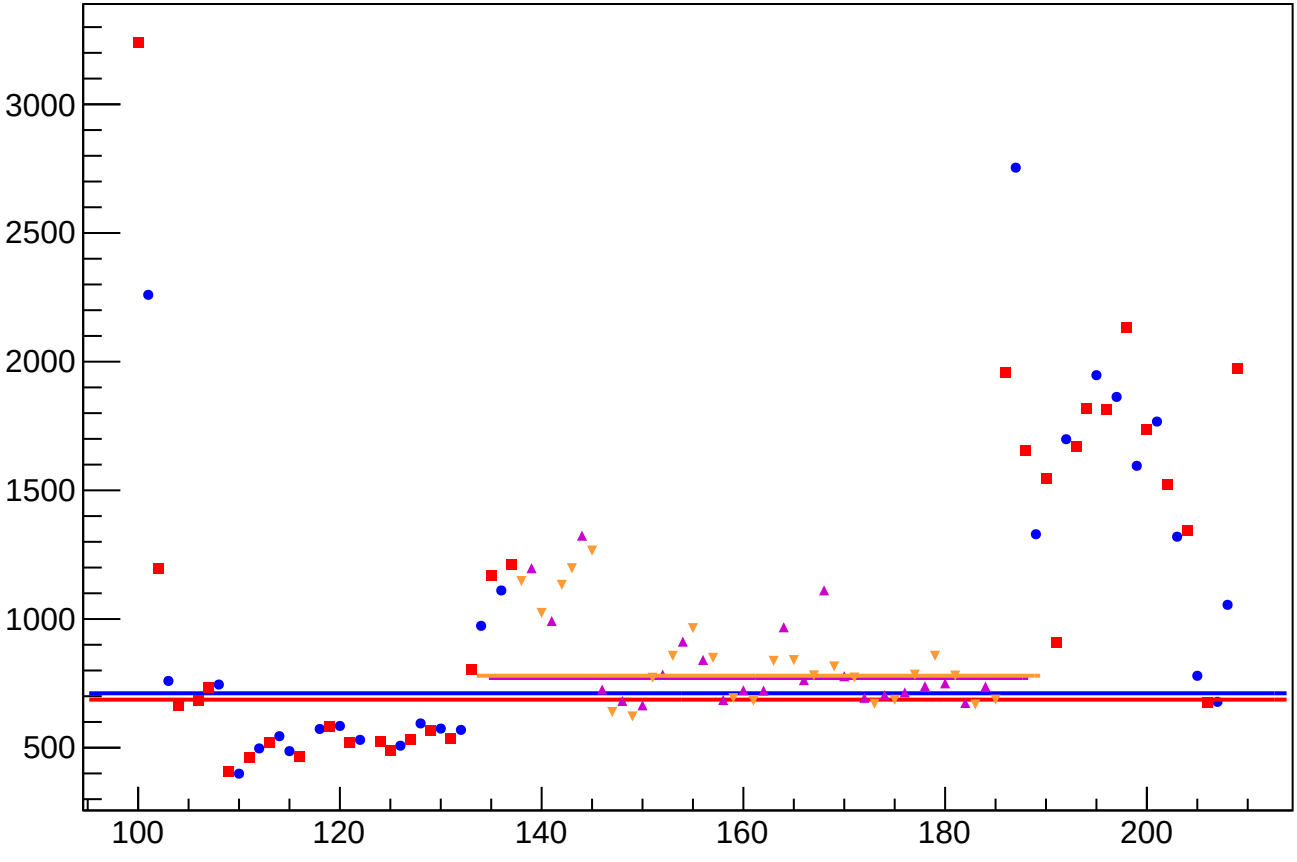
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -520.719+/-135.160 χ^2/NDF: 108.3/51

All: -390.806+/-94.875 χ^2/NDF: 160.1/106

- sign -264.619+/-133.208 χ^2/NDF: 50.0/54

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 686.763+/-0.137 χ^2/NDF: 7838426.3/31

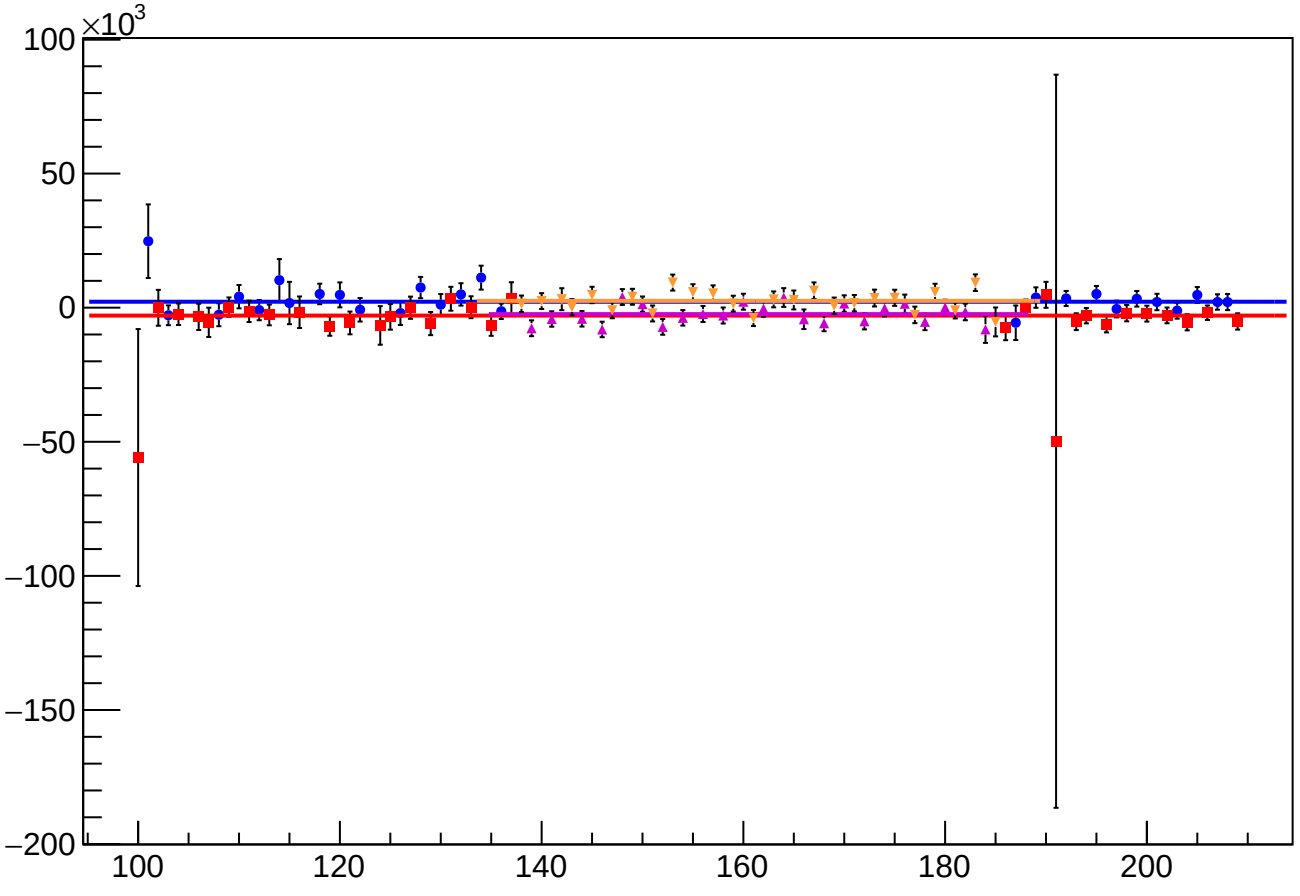
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 749.425+/-0.096 χ^2/NDF: 7472052.0/51

All: 740.104+/-0.067 χ^2/NDF: 16603930.5/10

- sign 731.051+/-0.094 χ^2/NDF: 9113130.0/54

dit_asym_atr1_mean vs Slug



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2951.469+/-685.472 χ^2/NDF: 17.7/31

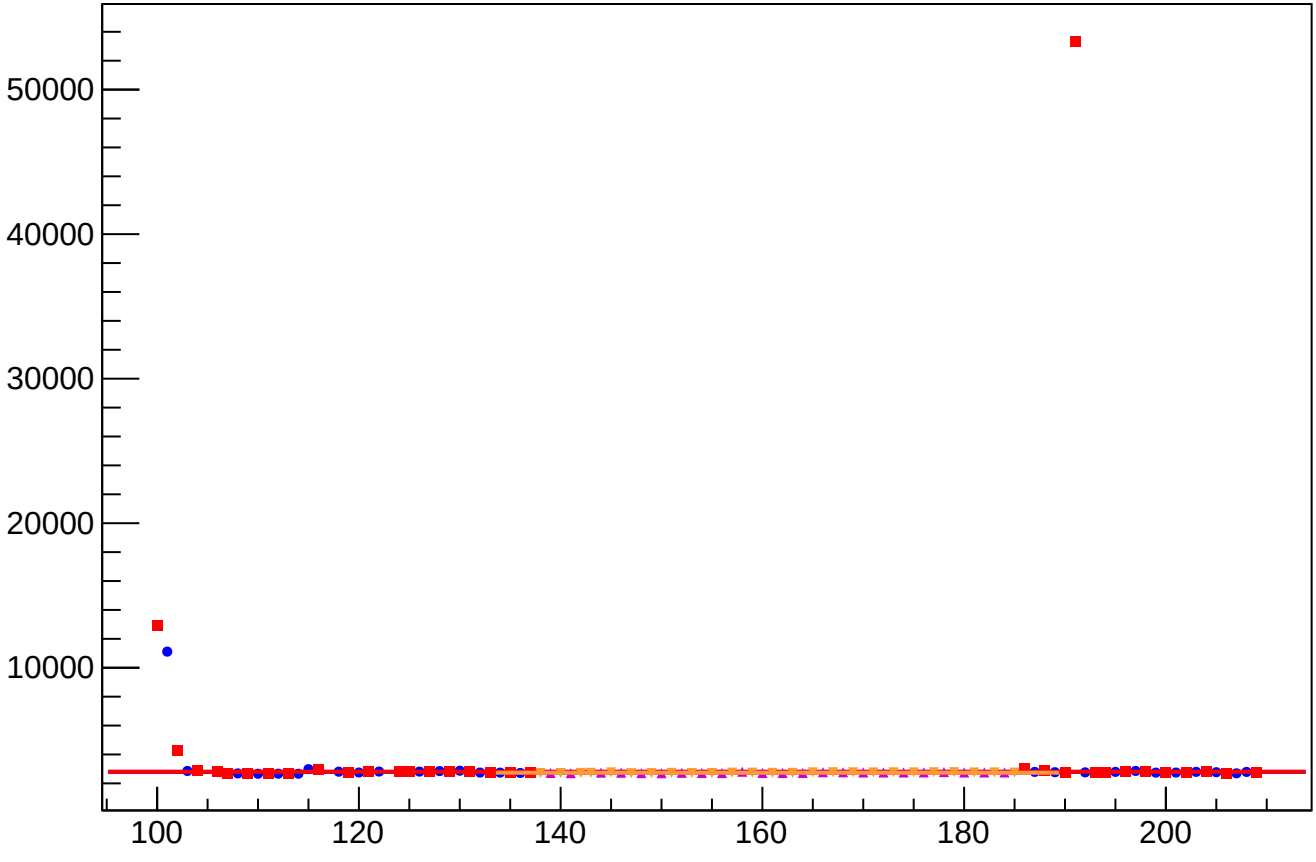
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2401.172+/-468.129 χ^2/NDF: 55.6/51

All: -131.294+/-330.912 χ^2/NDF: 163.9/106

- sign -2660.537+/-467.831 χ^2/NDF: 49.9/54

dit_asym_atr1_rms vs Slug



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2805.175+/-0.485 χ^2/NDF: 534885.4/31

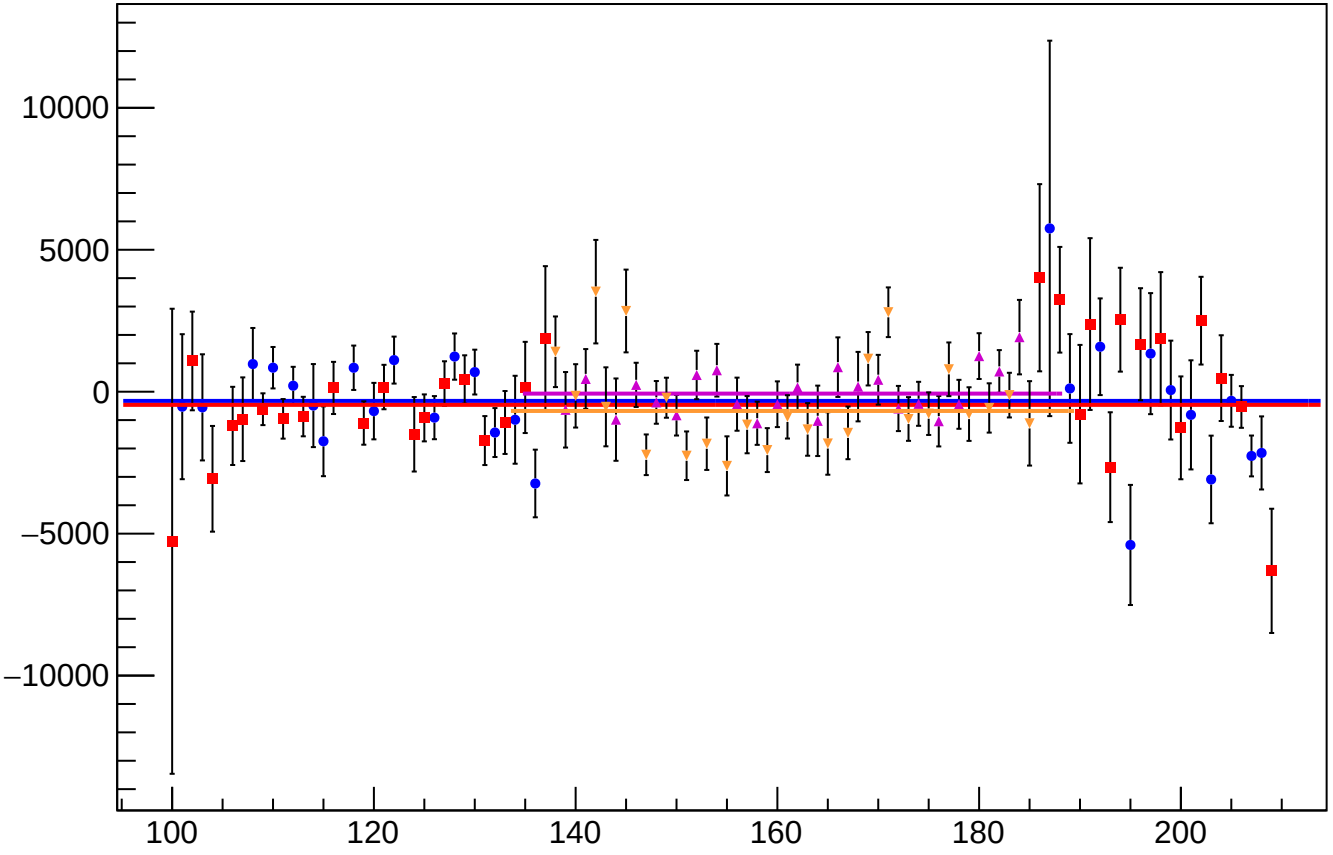
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.460+/-0.331 χ^2/NDF: 759347.2/51

All: 2767.283+/-0.234 χ^2/NDF: 1307119.7/10

- sign 2771.102+/-0.331 χ^2/NDF: 547505.9/54

asym_atr1_dit_correction_mean vs Slug



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -463.159+/-195.727 χ^2/NDF: 36.9/31

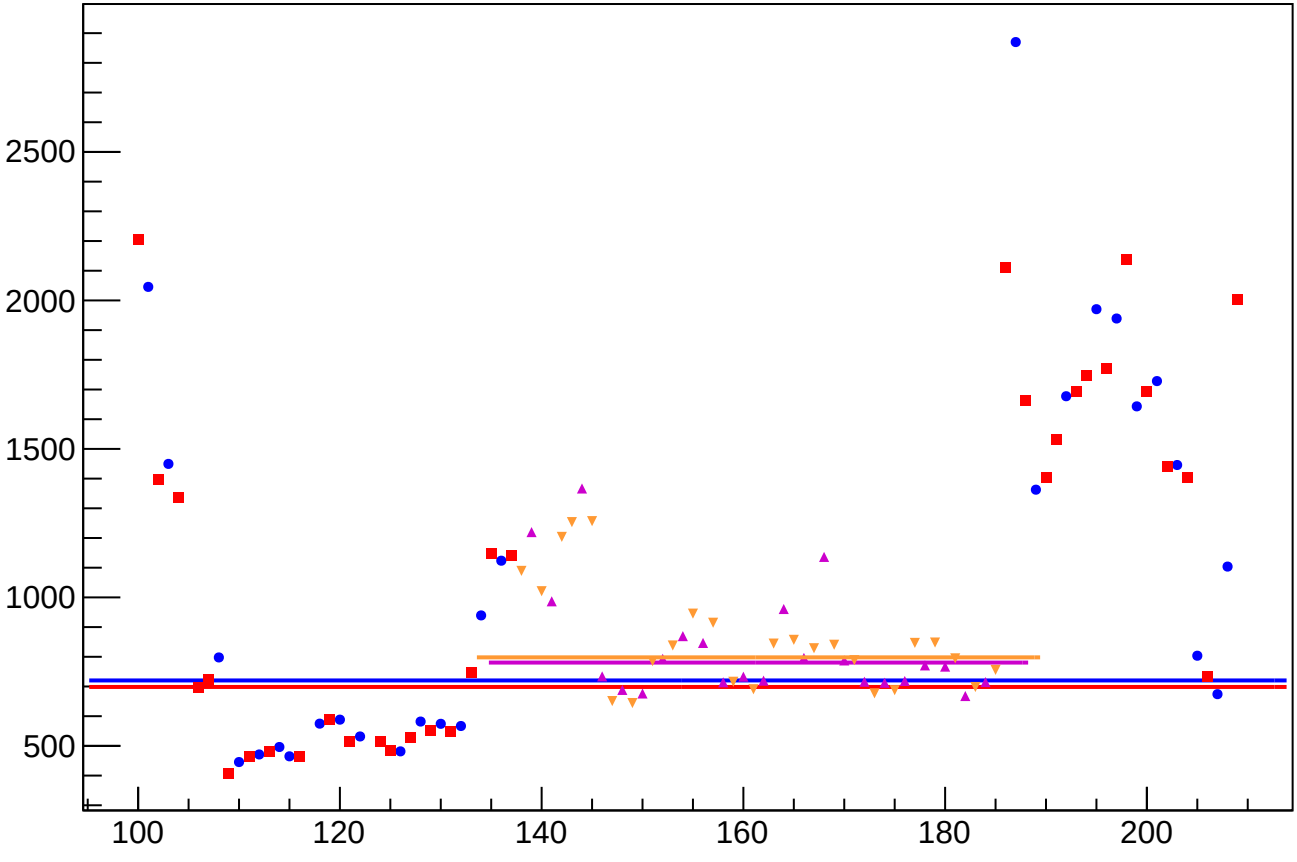
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -520.025+/-137.632 χ^2/NDF: 103.7/51

All: -384.306+/-96.236 χ^2/NDF: 160.5/106

- sign -254.474+/-134.614 χ^2/NDF: 54.8/54

asym_atr1_dit_correction_rms vs Slug



Right In: 720.355+/-0.146 χ^2/NDF: 6587841.5/26

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 698.413+/-0.138 χ^2/NDF: 8440420.2/31

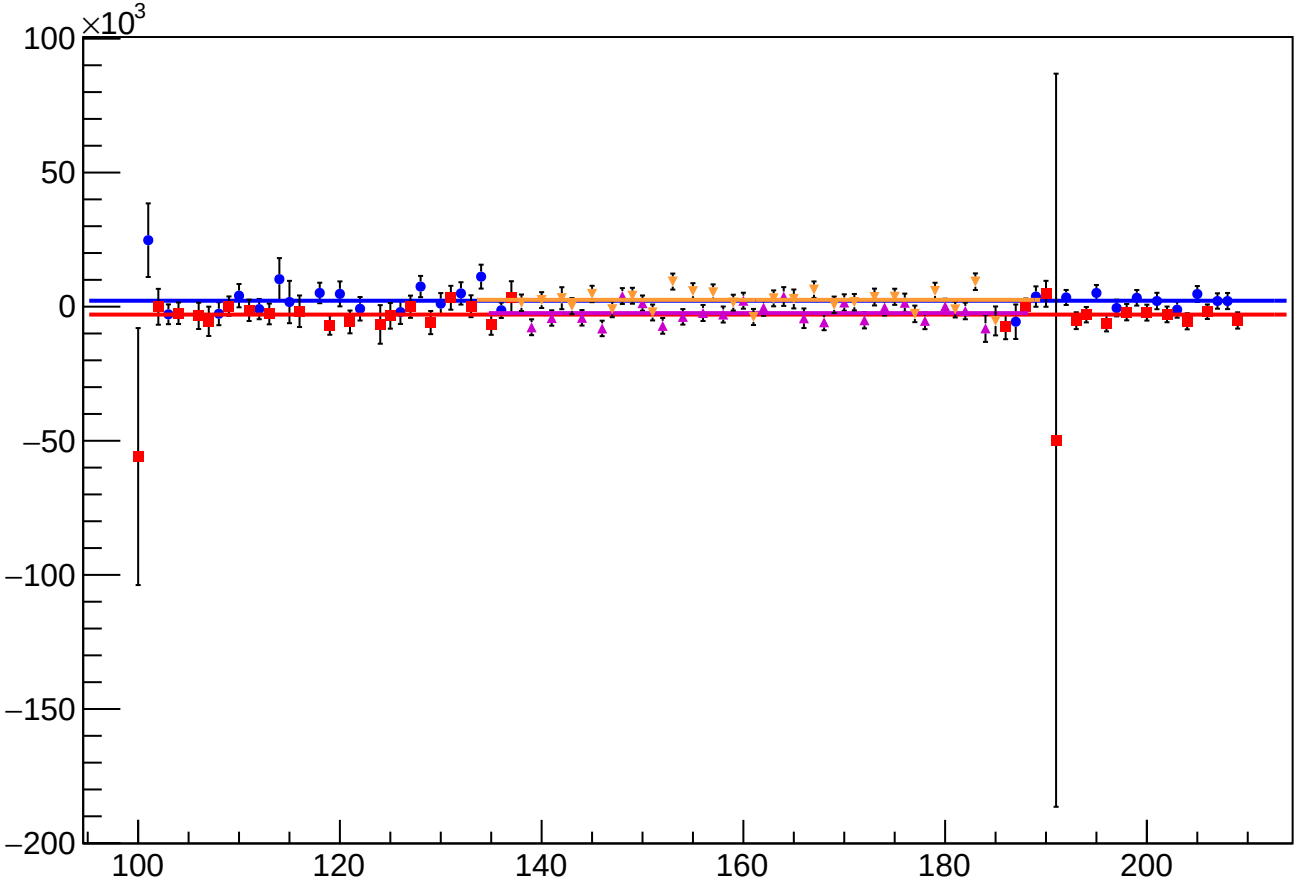
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 763.377+/-0.097 χ^2/NDF: 7913881.2/51

All: 752.291+/-0.068 χ^2/NDF: 17630019.0/10

- sign 741.685+/-0.095 χ^2/NDF: 9690744.8/54

eigen_dit_asym_atr1_mean vs Slug



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2951.466+/-685.472 χ^2/NDF: 17.7/31

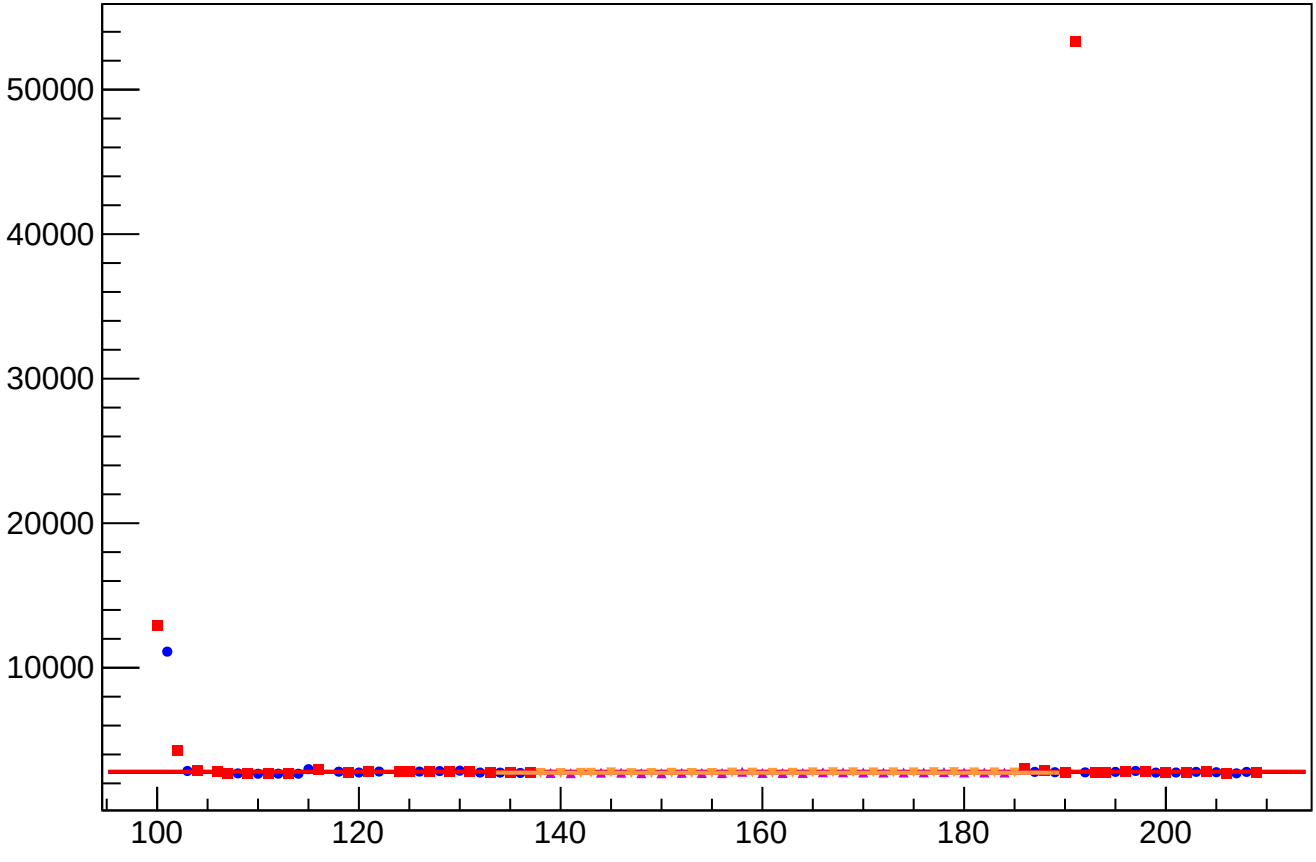
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2401.173+/-468.129 χ^2/NDF: 55.6/51

All: -131.293+/-330.912 χ^2/NDF: 163.9/106

- sign -2660.536+/-467.831 χ^2/NDF: 49.9/54

eigen_dit_asym_atr1_rms vs Slug



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

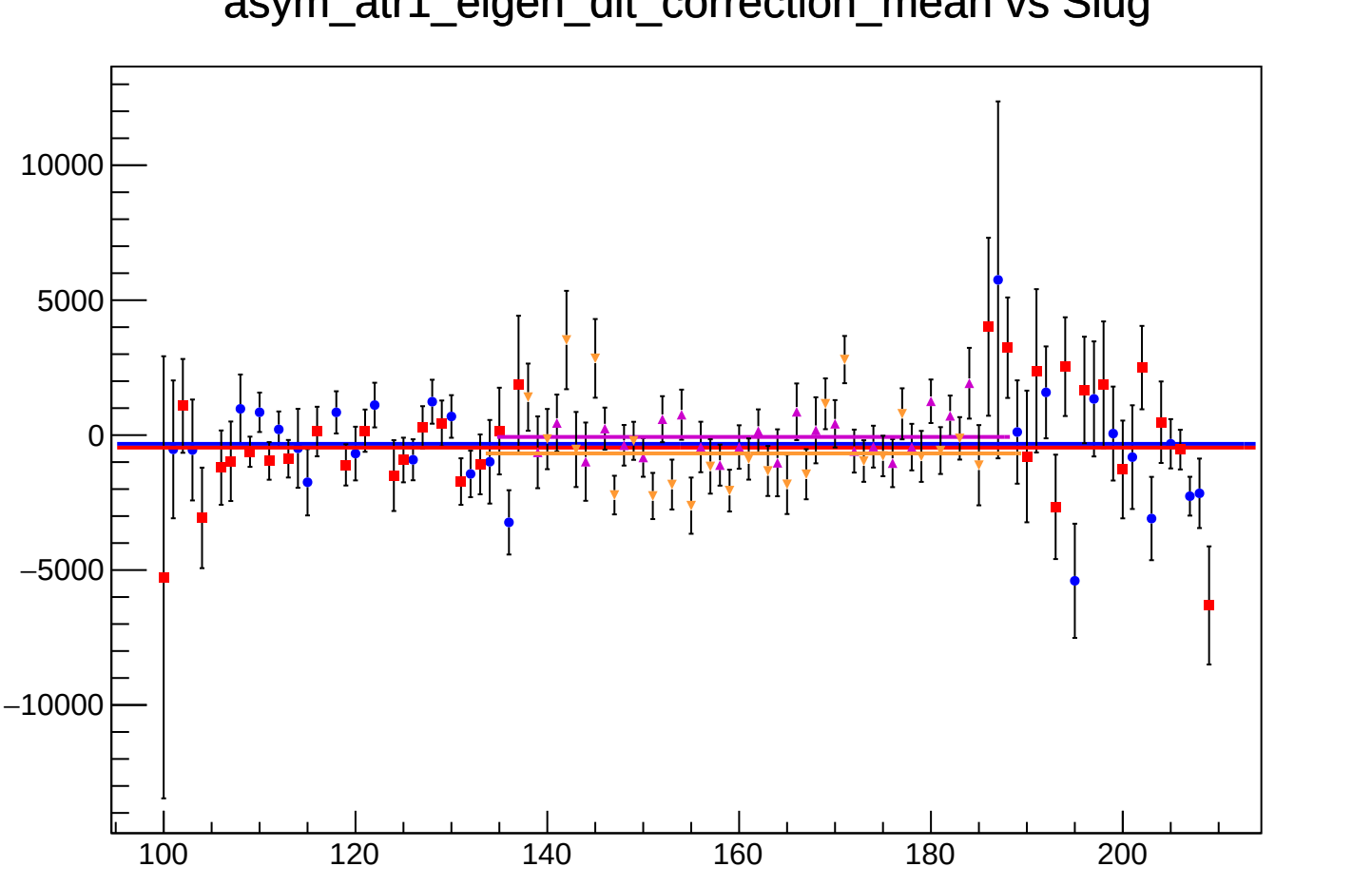
Right Out: 2805.175+/-0.485 χ^2/NDF: 534885.2/31

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2763.460+/-0.331 χ^2/NDF: 759347.1/51

All: 2767.283+/-0.234 χ^2/NDF: 1307119.5/10

- sign 2771.101+/-0.331 χ^2/NDF: 547505.7/54



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -463.160+/-195.727 χ^2/NDF: 36.9/31

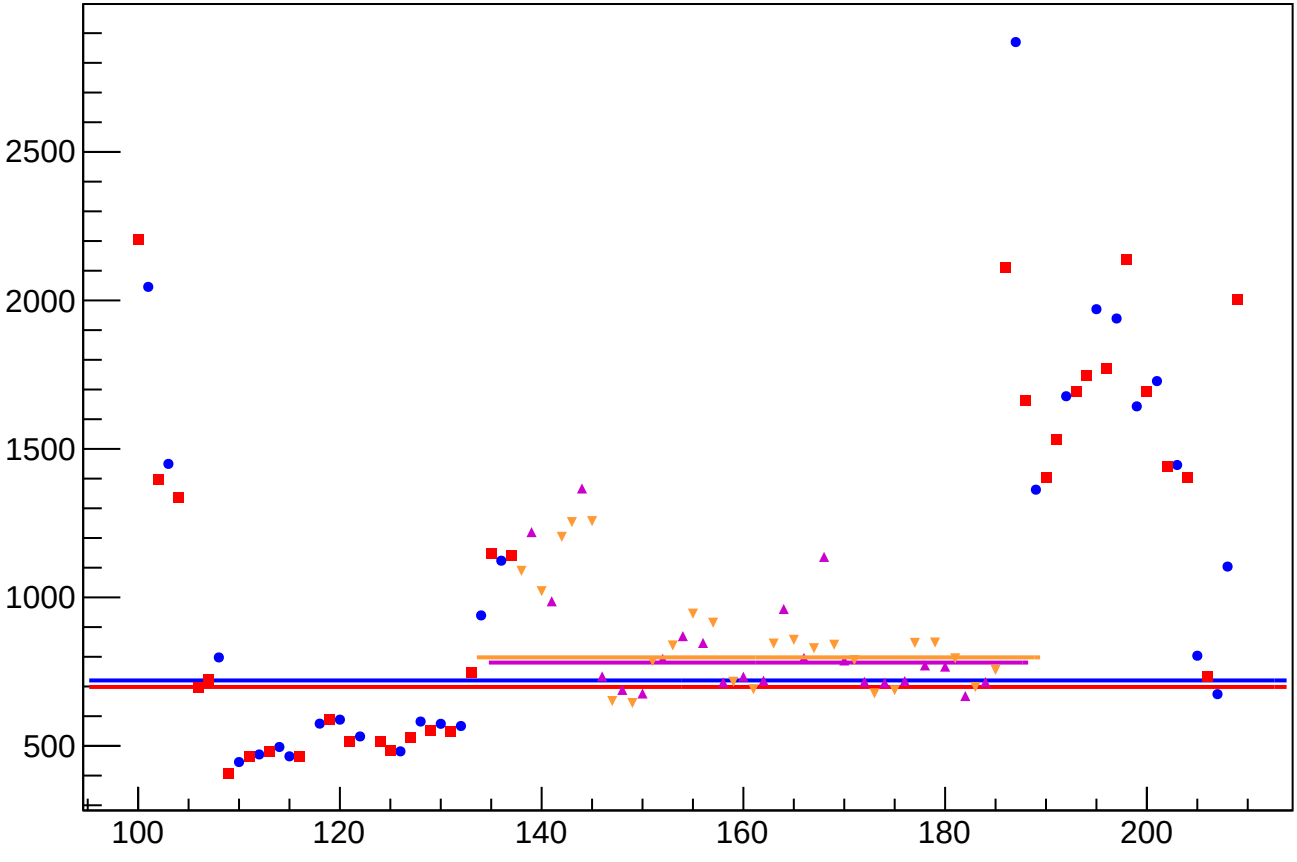
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -520.026+/-137.632 χ^2/NDF: 103.7/51

All: -384.307+/-96.236 χ^2/NDF: 160.5/106

- sign -254.474+/-134.614 χ^2/NDF: 54.8/54

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 720.355+/-0.146 χ^2/NDF: 6587839.3/26

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 698.414+/-0.138 χ^2/NDF: 8440425.0/31

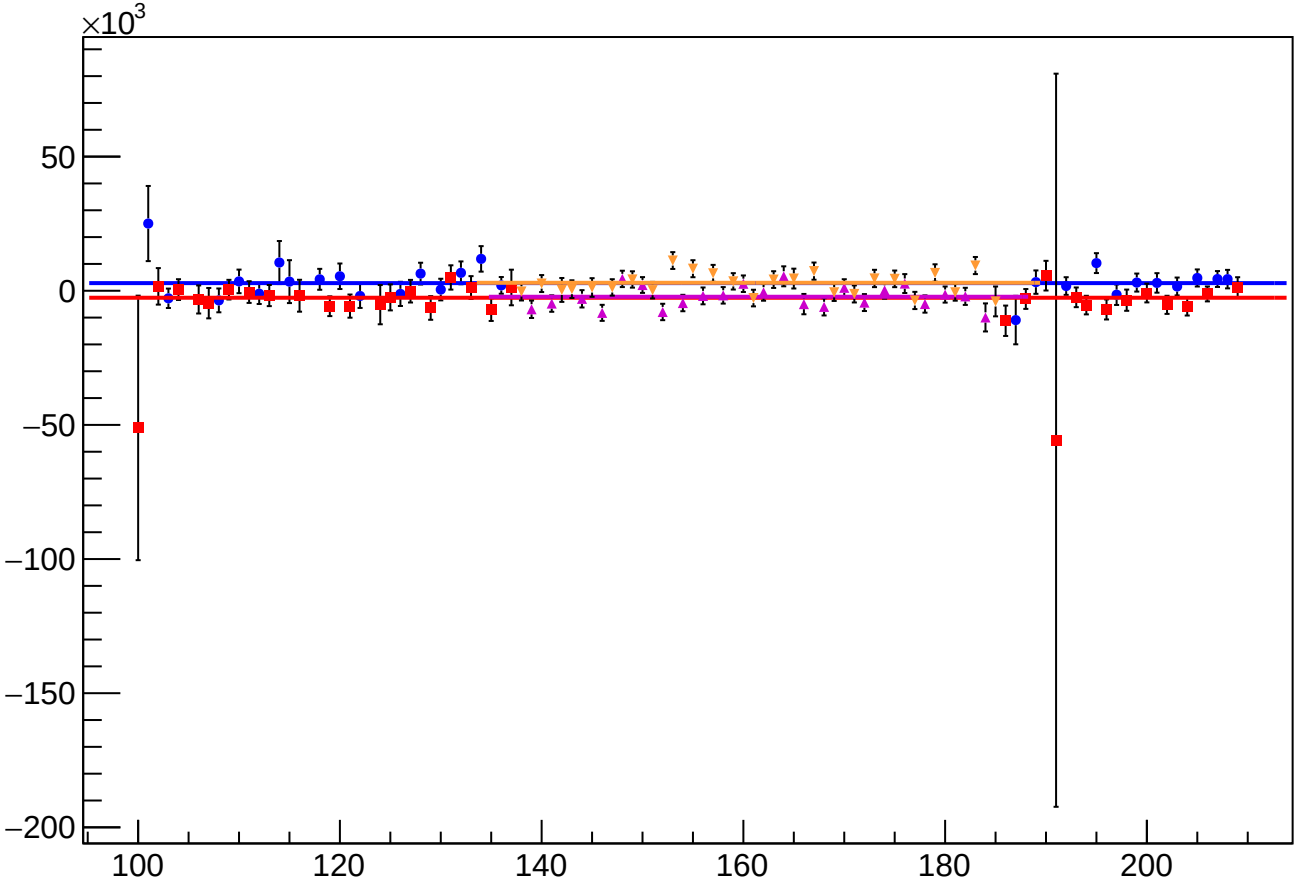
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 763.378+/-0.097 χ^2/NDF: 7913878.9/51

All: 752.291+/-0.068 χ^2/NDF: 17630023.7/10

- sign 741.685+/-0.095 χ^2/NDF: 9690751.1/54

asym_atr1_mean vs Slug



Right In: 2850.146+/-774.431 χ^2/NDF: 25.8/26

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2603.909+/-754.900 χ^2/NDF: 20.5/31

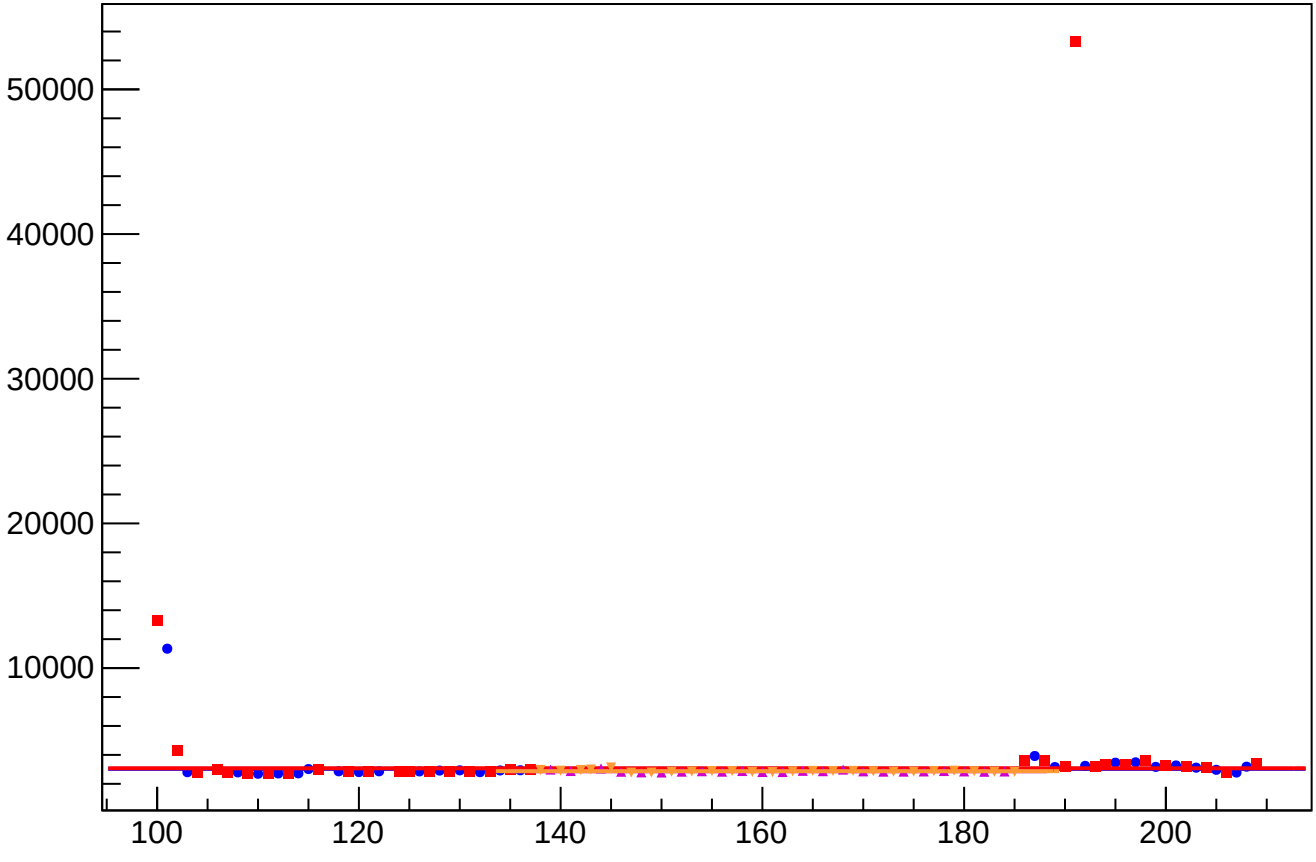
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2919.783+/-499.346 χ^2/NDF: 61.5/51

All: 270.433+/-353.758 χ^2/NDF: 172.5/106

- sign -2399.035+/-501.238 χ^2/NDF: 54.4/54

asym_atr1_rms vs Slug



Right In: 3036.401+/-0.548 χ^2/NDF: 887273.0/26

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

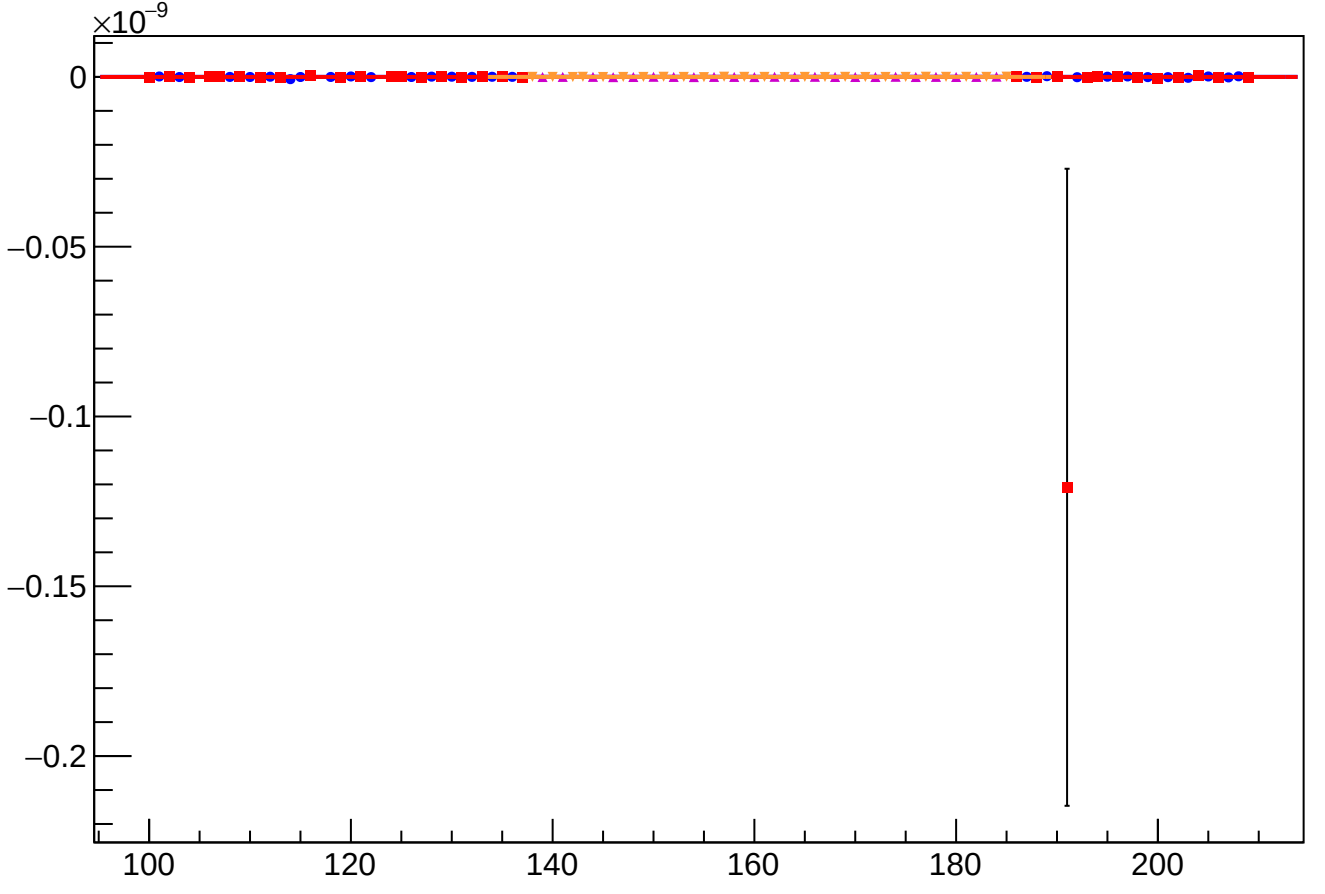
Right Out: 3074.361+/-0.534 χ^2/NDF: 750924.5/31

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2942.064+/-0.353 χ^2/NDF: 959857.9/51

All: 2951.089+/-0.250 χ^2/NDF: 1811611.7/10

- sign 2960.182+/-0.354 χ^2/NDF: 850442.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.8/31

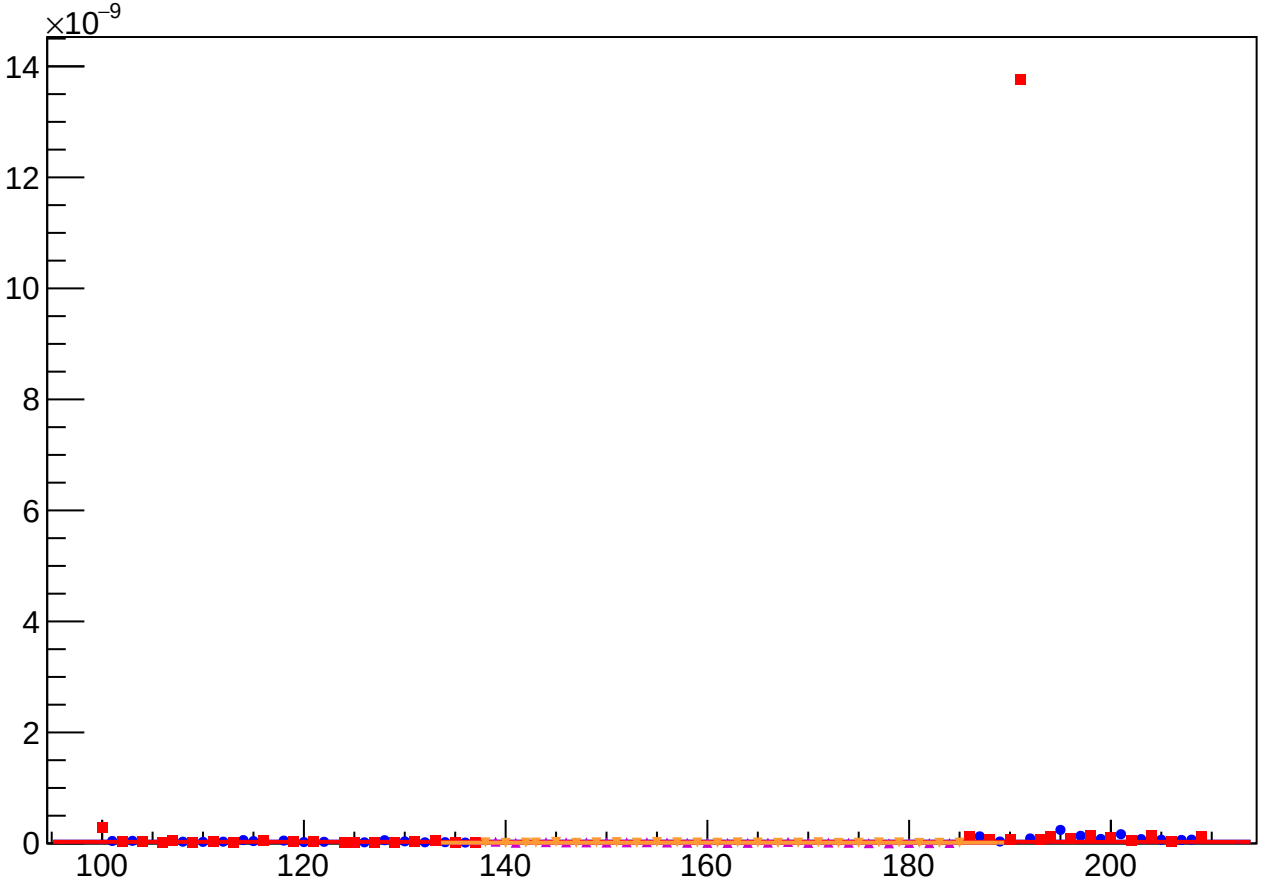
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.1/51

All: 0.000+/-0.000 χ^2/NDF: 109.5/106

- sign 0.000+/-0.000 χ^2/NDF: 70.3/54

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4019324.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3978133.4/31

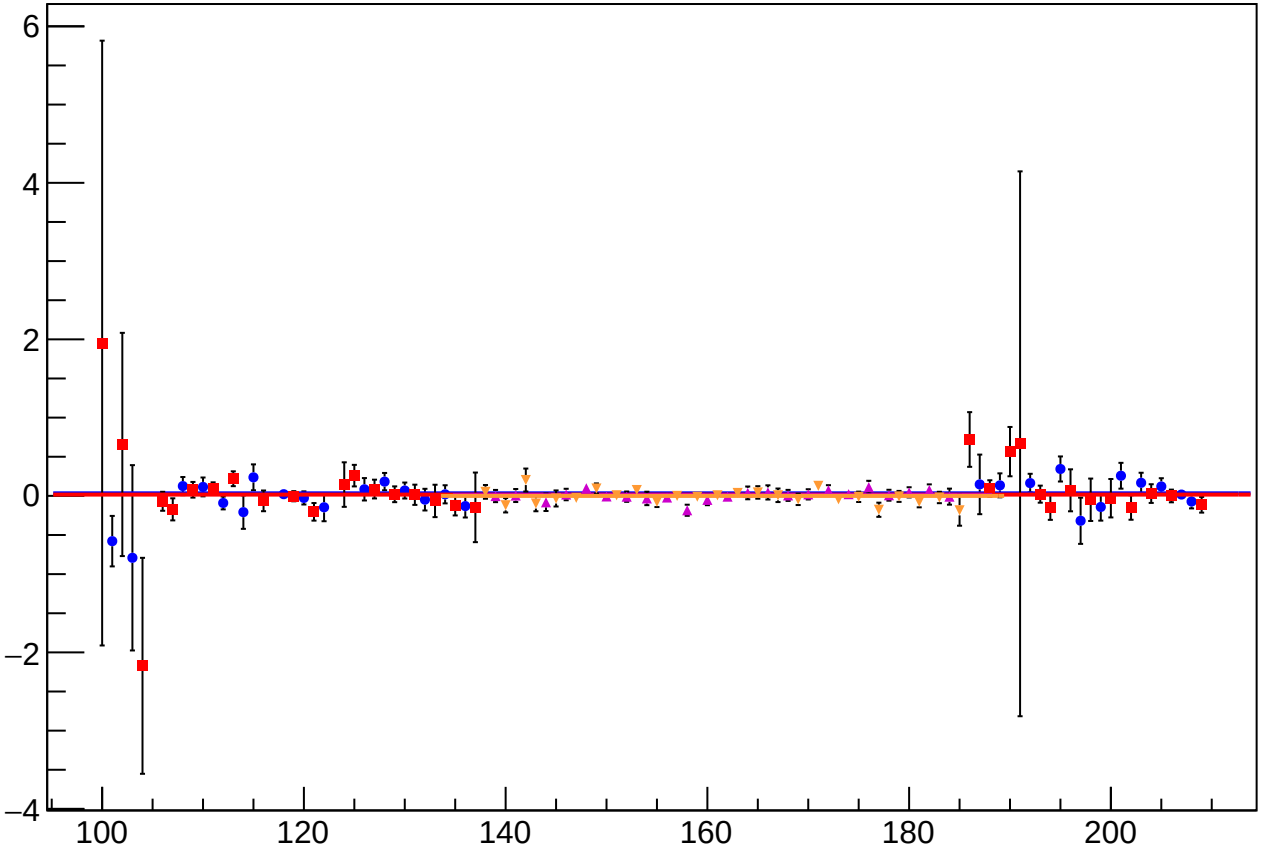
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7662964.0/51

All: 0.000+/-0.000 χ^2/NDF: 17720383.1/106

- sign 0.000+/-0.000 χ^2/NDF: 9759507.3/54

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.023 χ^2/NDF: 32.5/31

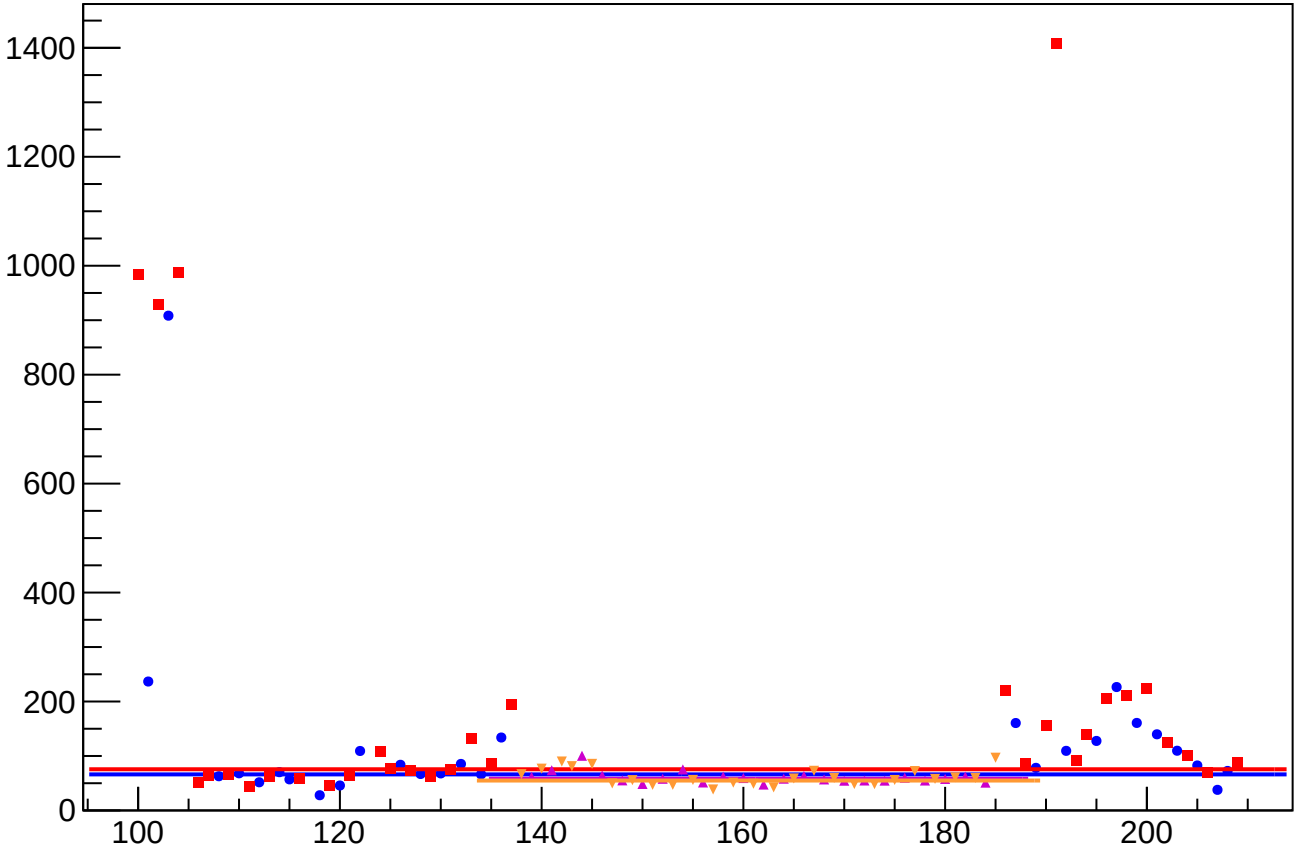
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.010+/-0.009 χ^2/NDF: 100.8/106

- sign 0.011+/-0.012 χ^2/NDF: 48.2/54

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264700.1/31

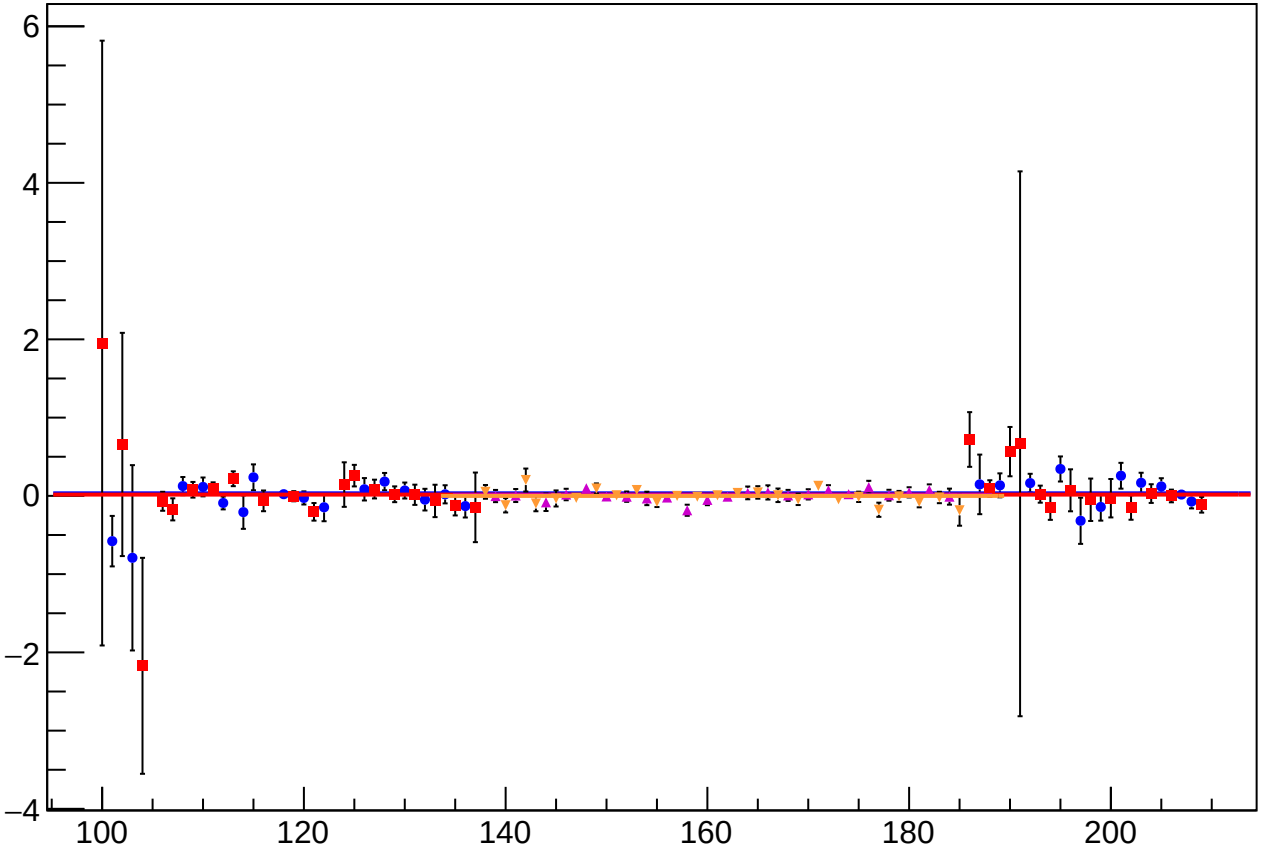
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.280+/-0.008 χ^2/NDF: 8162862.8/51

All: 60.665+/-0.006 χ^2/NDF: 16079623.0/106

- sign 63.313+/-0.009 χ^2/NDF: 7744767.4/54

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.023 χ^2/NDF: 32.5/31

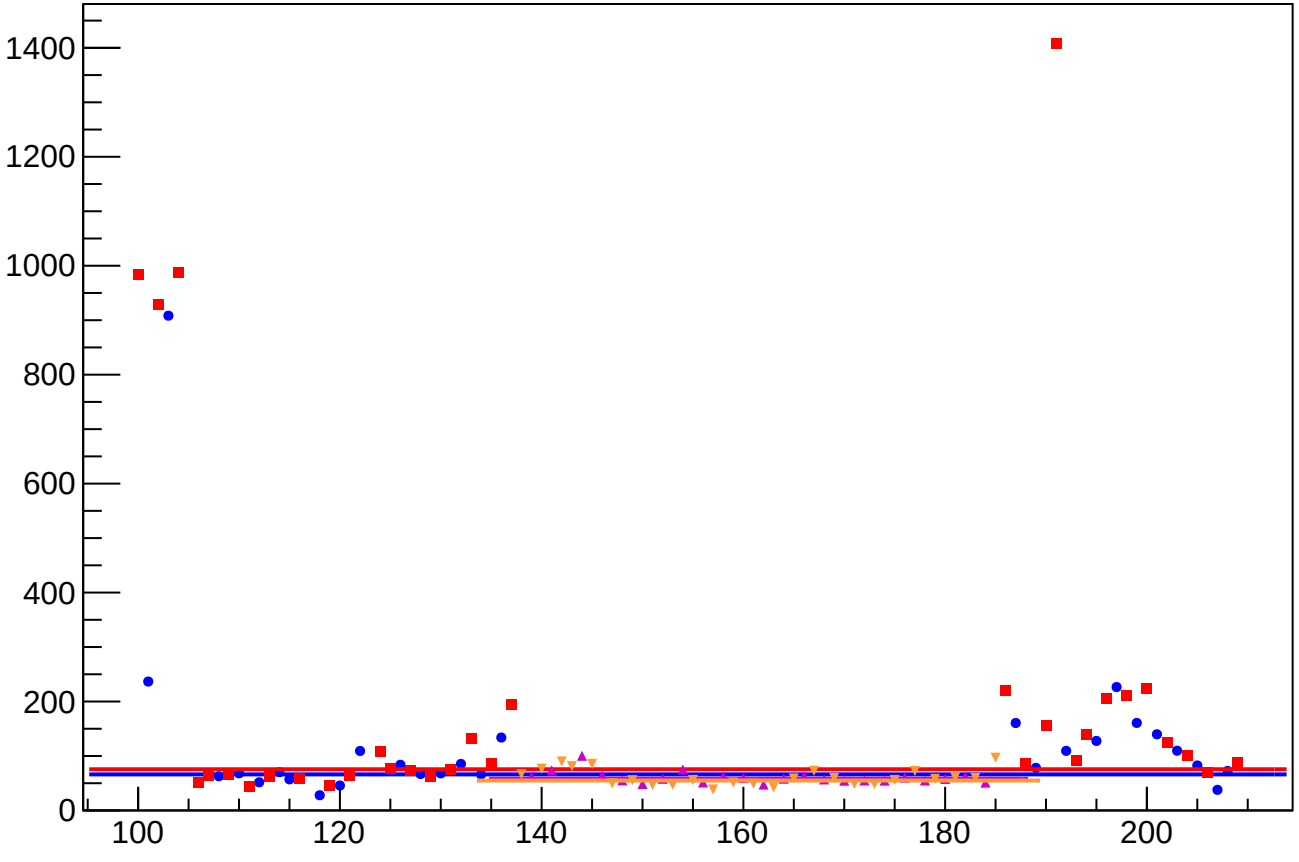
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.010+/-0.009 χ^2/NDF: 100.8/106

- sign 0.011+/-0.012 χ^2/NDF: 48.2/54

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

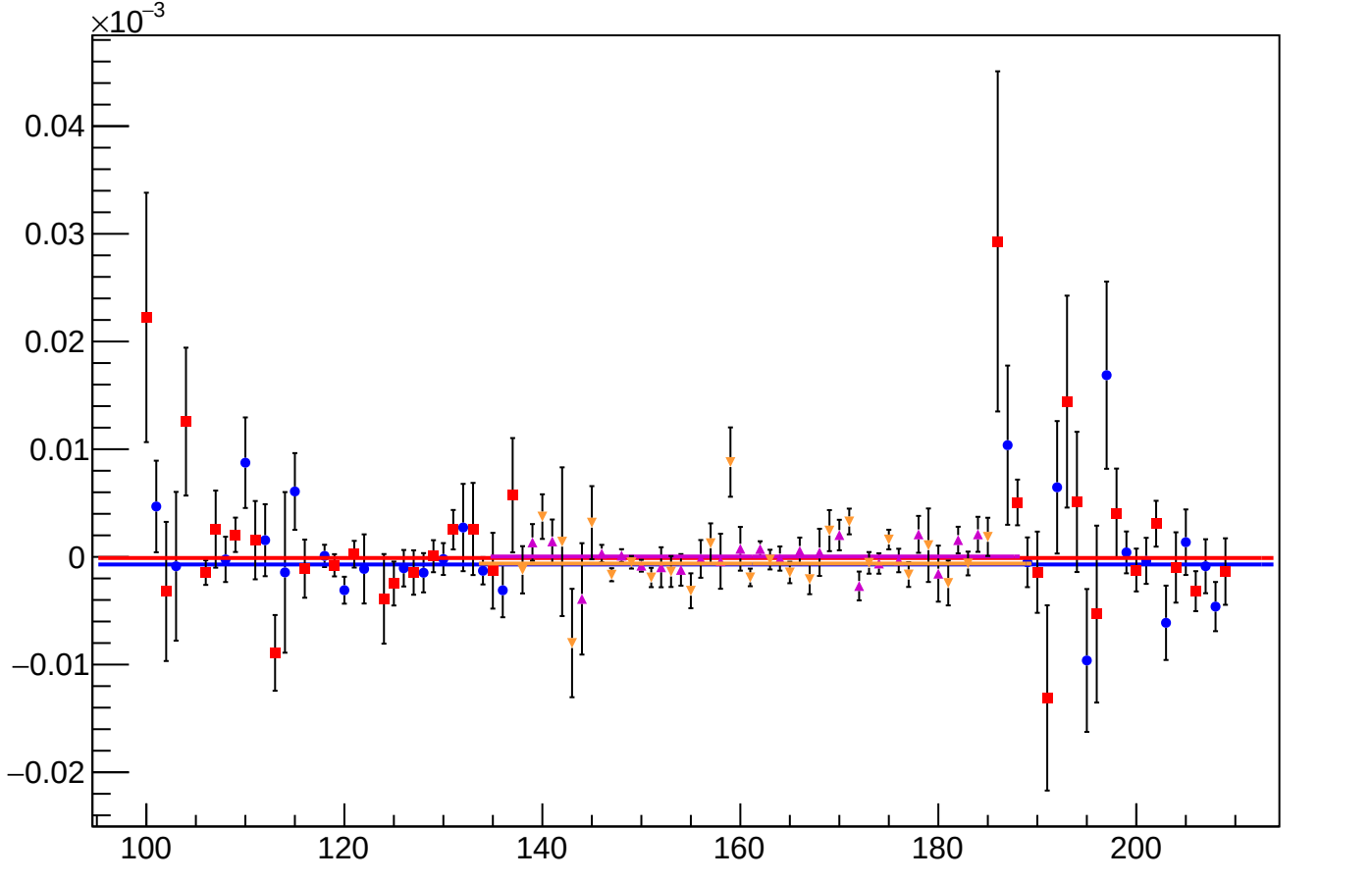
Right Out: 75.631+/-0.016 χ^2/NDF: 6264700.1/31

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.280+/-0.008 χ^2/NDF: 8162862.8/51

All: 60.665+/-0.006 χ^2/NDF: 16079623.0/106

- sign 63.313+/-0.009 χ^2/NDF: 7744767.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/31

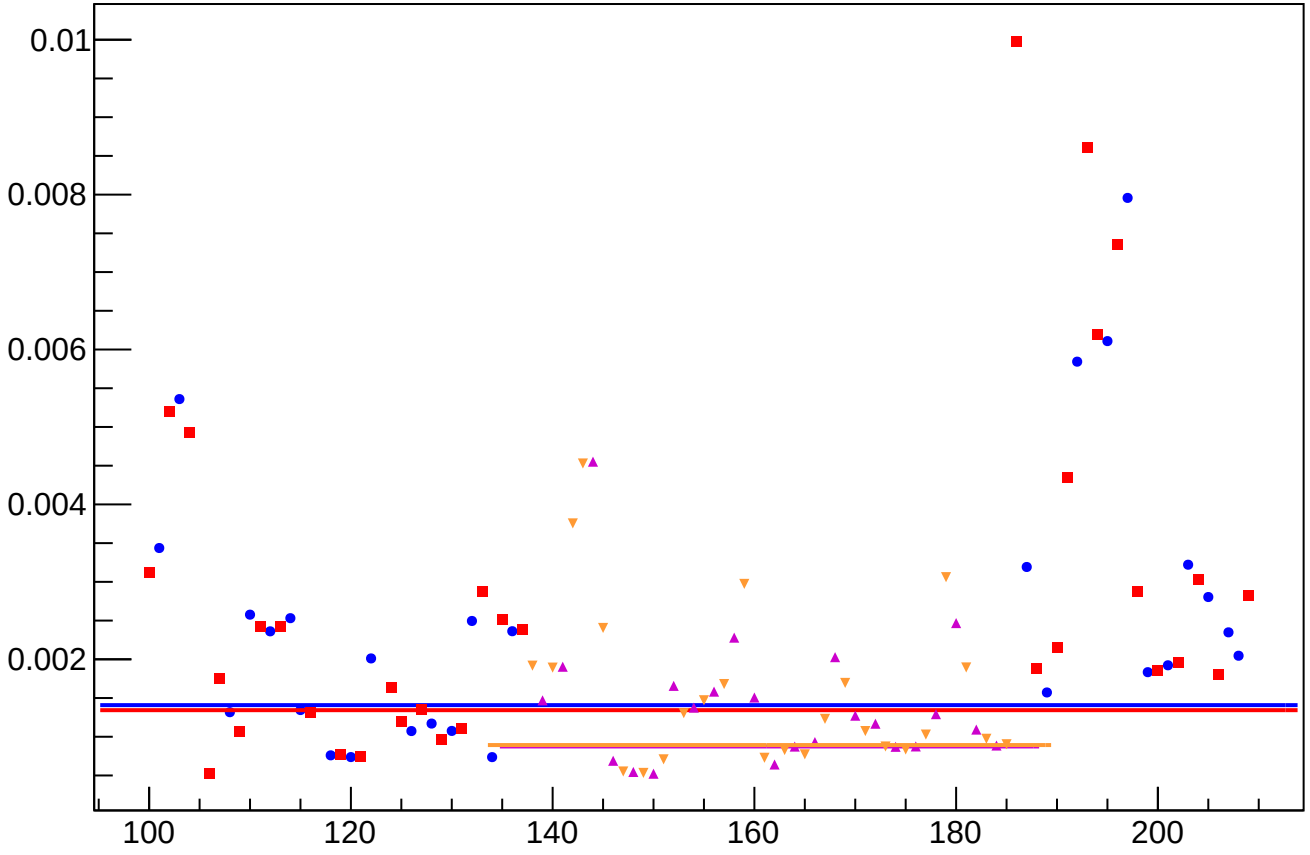
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.8/51

All: -0.000+/-0.000 χ^2/NDF: 155.1/106

- sign -0.000+/-0.000 χ^2/NDF: 64.5/54

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9043133.5/26

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10649152.4/31

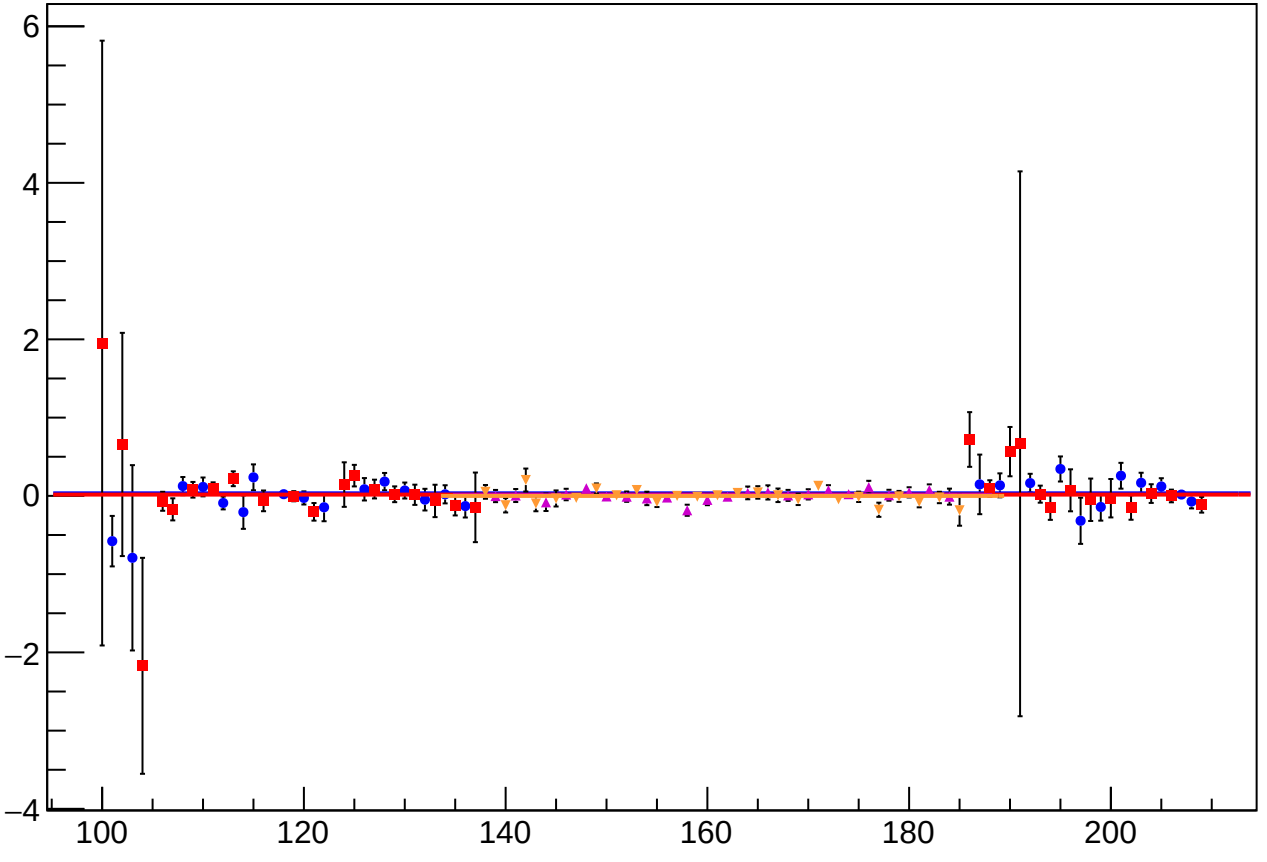
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19018098.5/51

All: 0.001+/-0.000 χ^2/NDF: 38613904.8/106

- sign 0.001+/-0.000 χ^2/NDF: 19587761.3/54

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.023 χ^2/NDF: 32.5/31

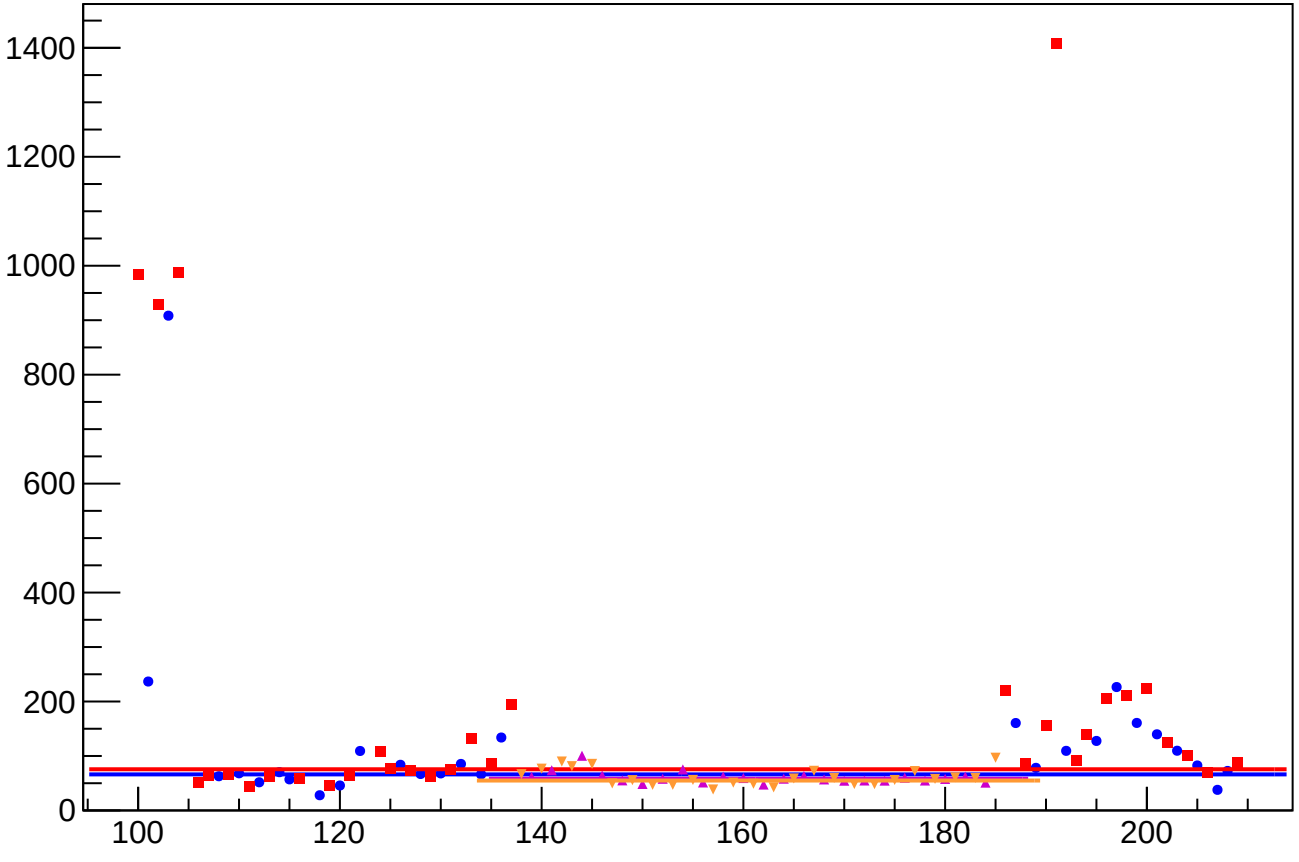
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.010+/-0.009 χ^2/NDF: 100.8/106

- sign 0.011+/-0.012 χ^2/NDF: 48.2/54

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264728.1/31

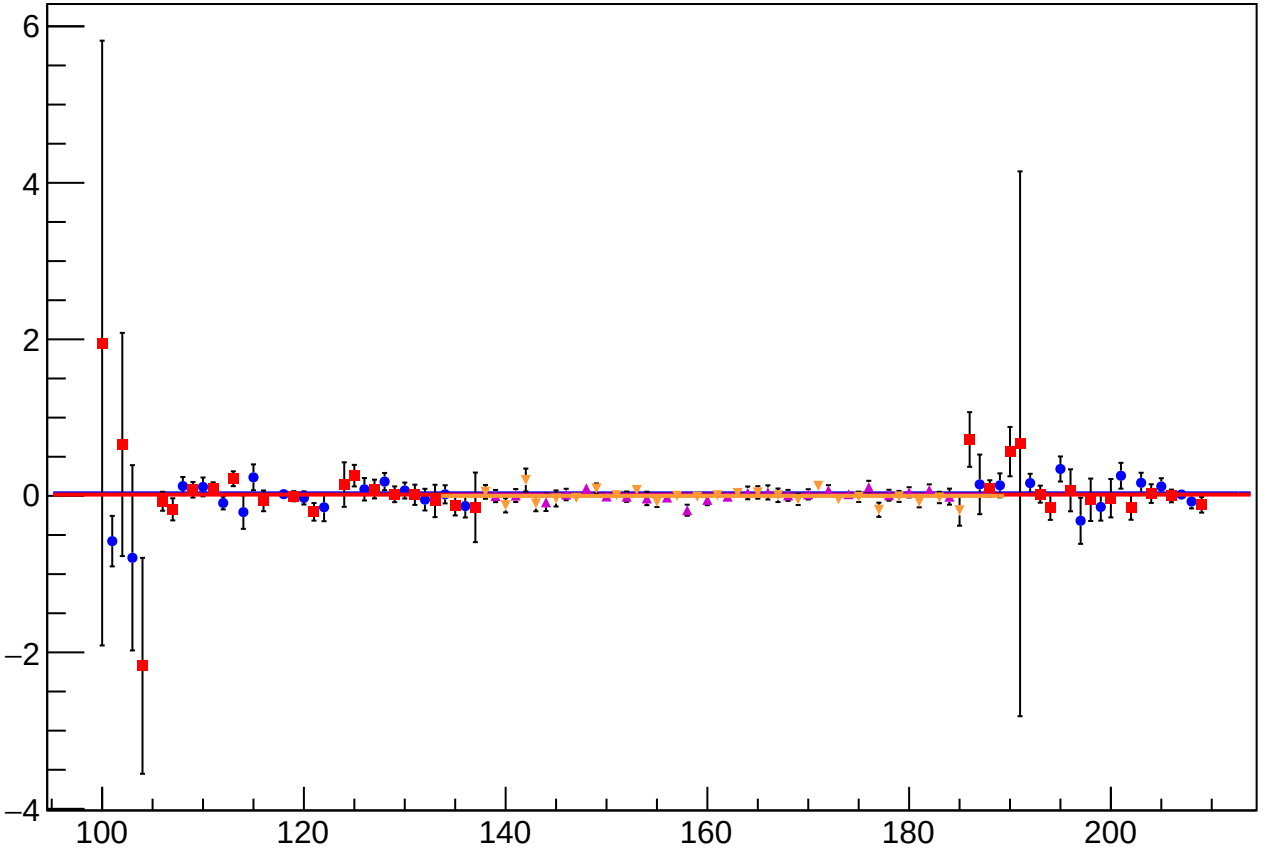
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.279+/-0.008 χ^2/NDF: 8163136.0/51

All: 60.665+/-0.006 χ^2/NDF: 16079970.9/106

- sign 63.313+/-0.009 χ^2/NDF: 7744799.5/54

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.016+/-0.023 χ^2/NDF: 32.5/31

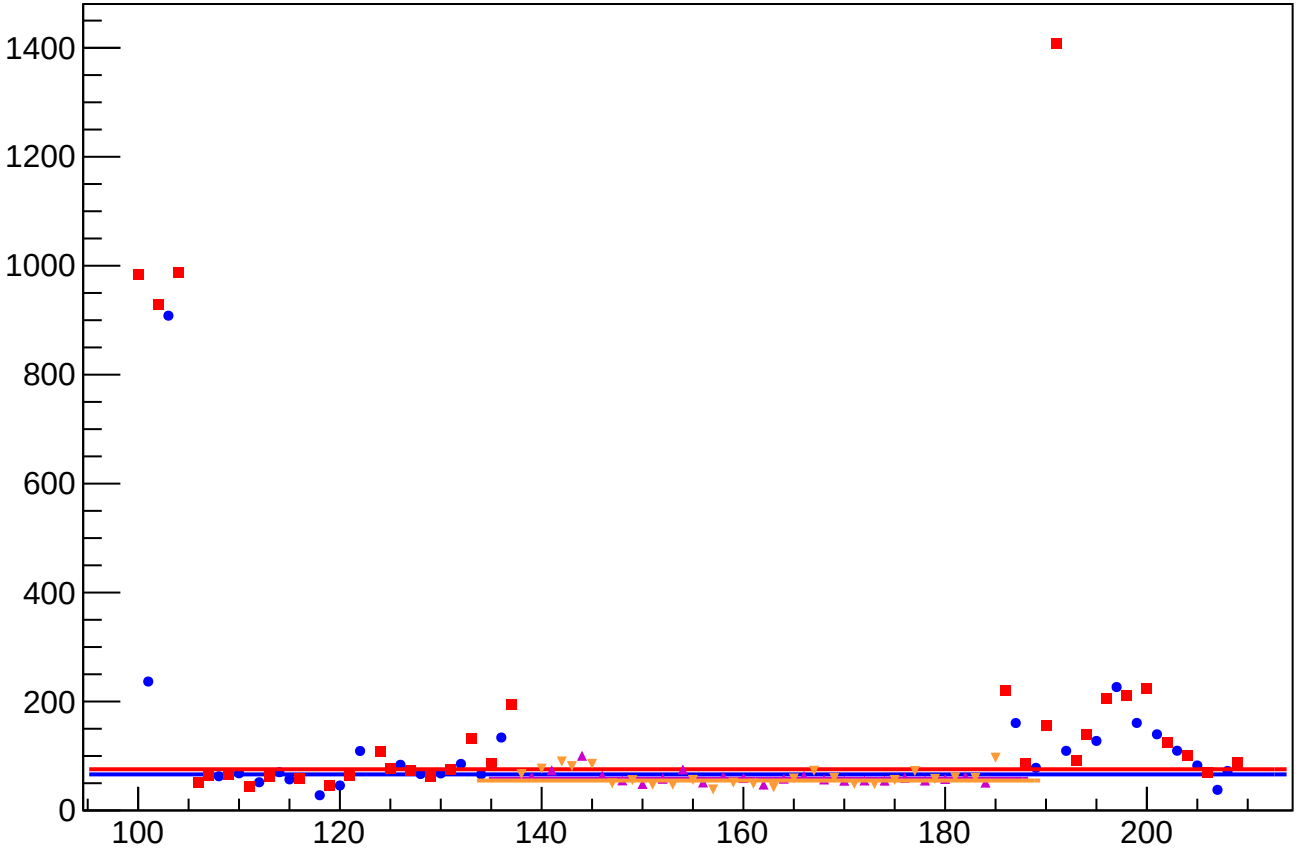
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 52.7/51

All: 0.010+/-0.009 χ^2/NDF: 100.8/106

- sign 0.011+/-0.012 χ^2/NDF: 48.2/54

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264728.1/31

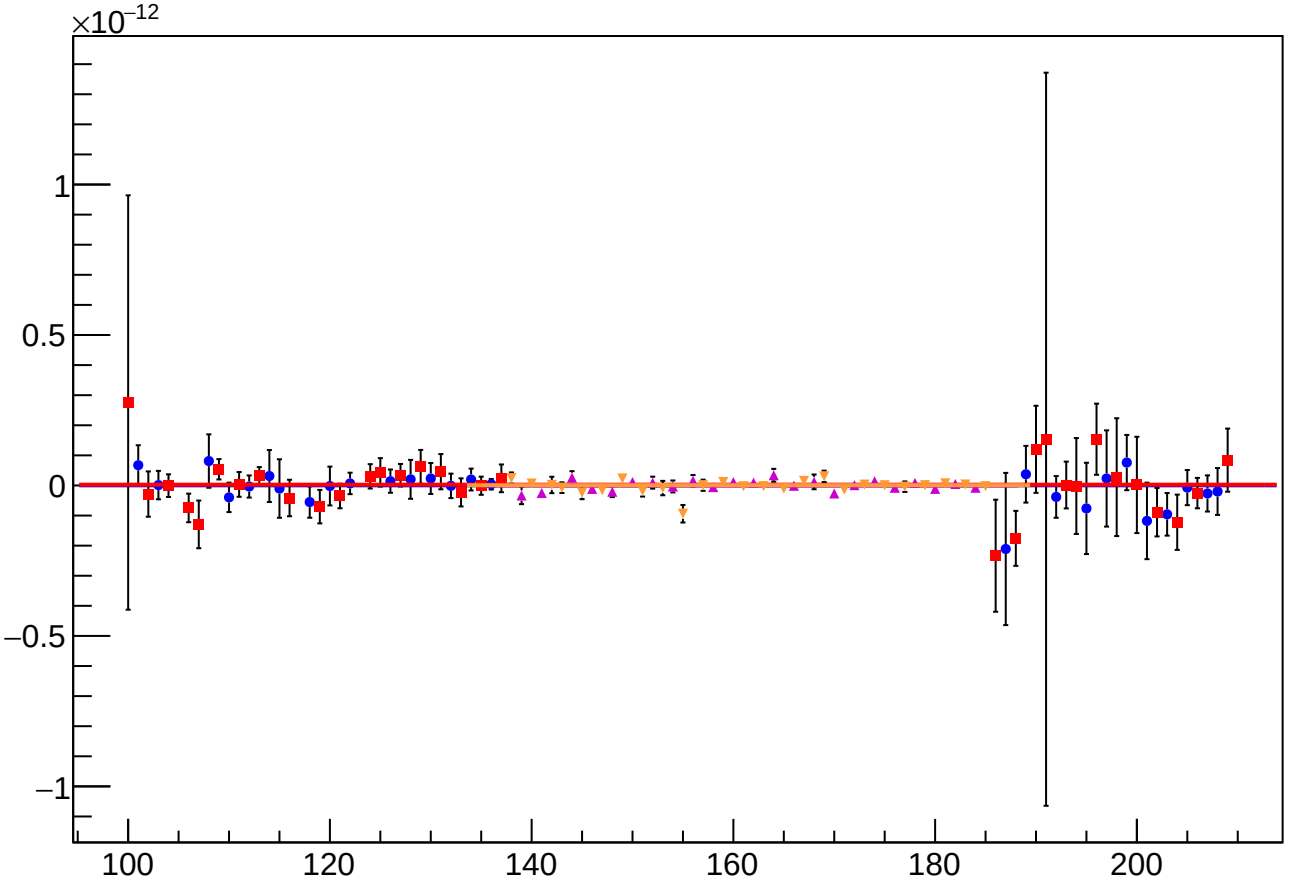
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.279+/-0.008 χ^2/NDF: 8163136.0/51

All: 60.665+/-0.006 χ^2/NDF: 16079970.9/106

- sign 63.313+/-0.009 χ^2/NDF: 7744799.5/54

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

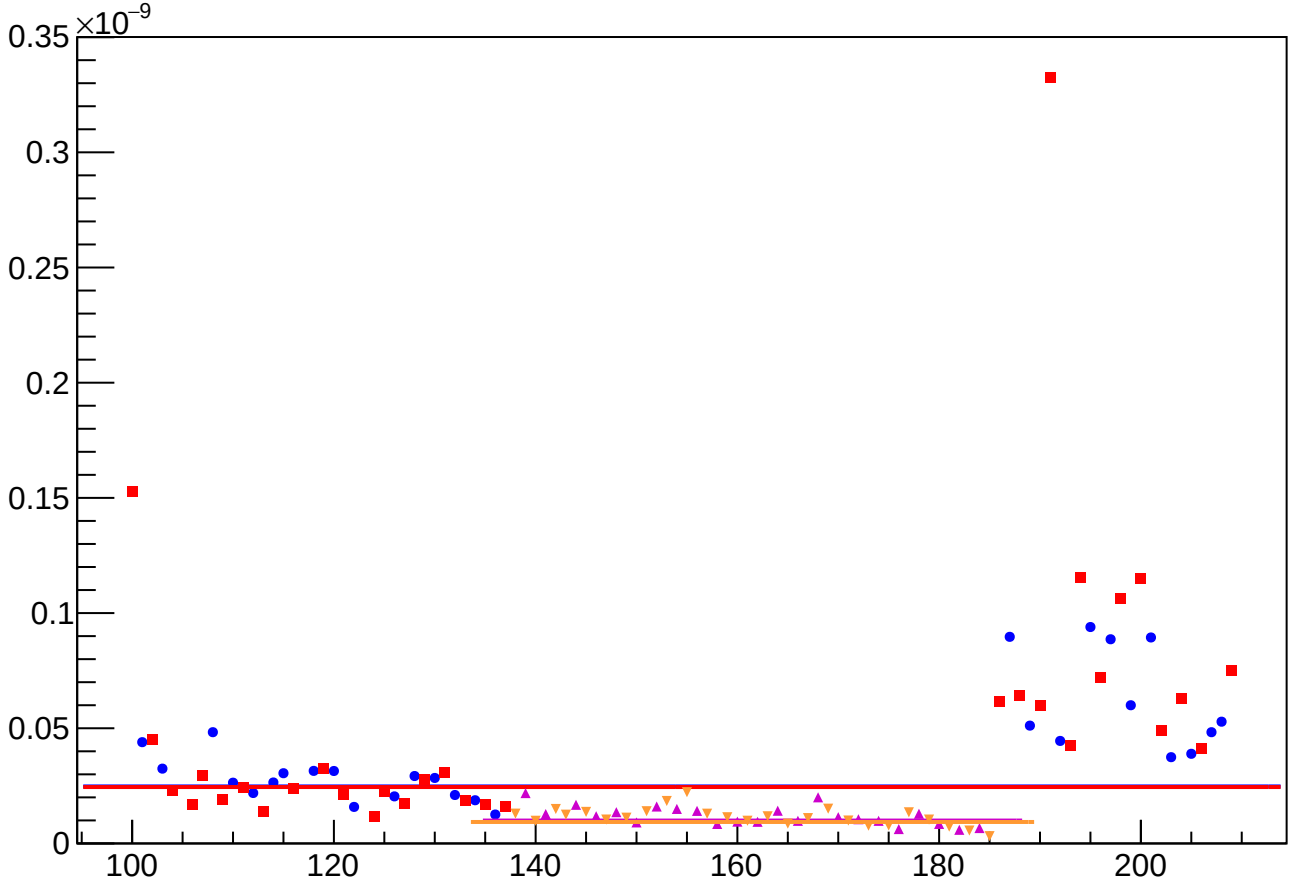
Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/31

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.0/51

All: 0.000+/-0.000 χ^2/NDF: 83.5/106

- sign 0.000+/-0.000 χ^2/NDF: 48.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 4398659.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5183250.5/31

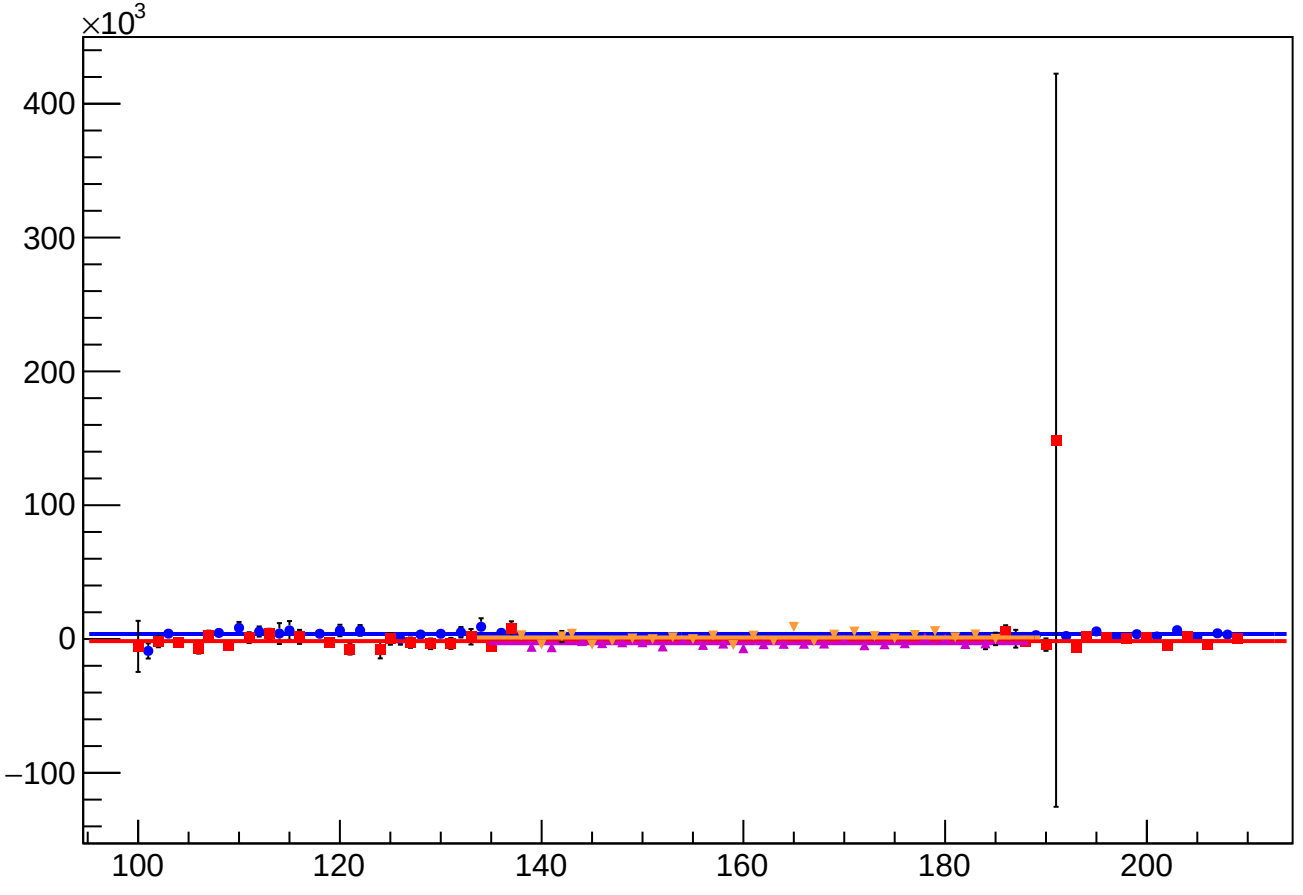
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12317543.6/51

All: 0.000+/-0.000 χ^2/NDF: 24412481.5/106

- sign 0.000+/-0.000 χ^2/NDF: 12030074.4/54

reg_asym_atr2_mean vs Slug



Right In: 3764.427+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1554.518+/-643.245 χ^2/NDF: 28.2/31

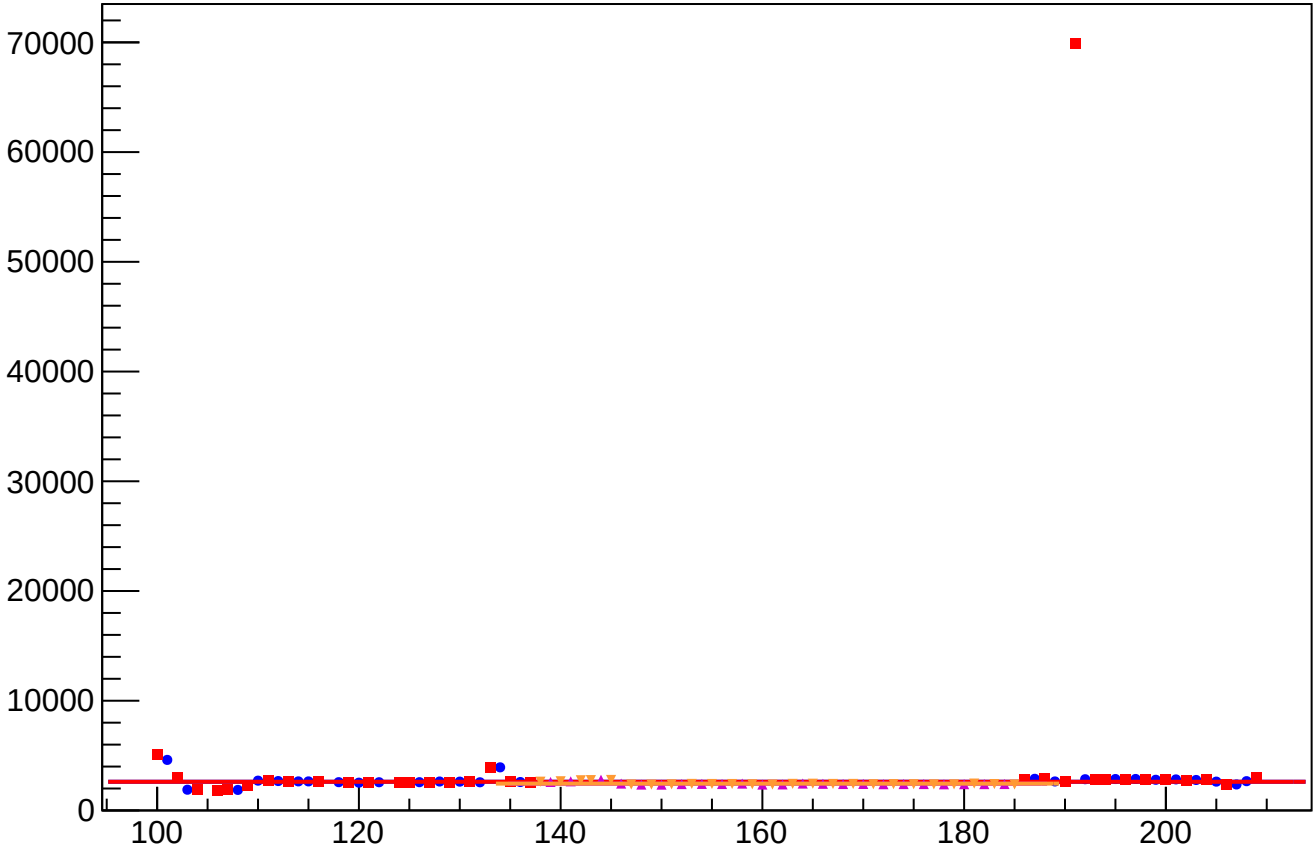
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2249.240+/-426.637 χ^2/NDF: 52.9/51

All: -101.272+/-301.552 χ^2/NDF: 157.9/106

- sign -2447.858+/-426.280 χ^2/NDF: 44.3/54

reg_asym_atr2_rms vs Slug



Right In: 2615.544+/-0.470 χ^2/NDF: 721684.7/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2613.751+/-0.455 χ^2/NDF: 779531.0/31

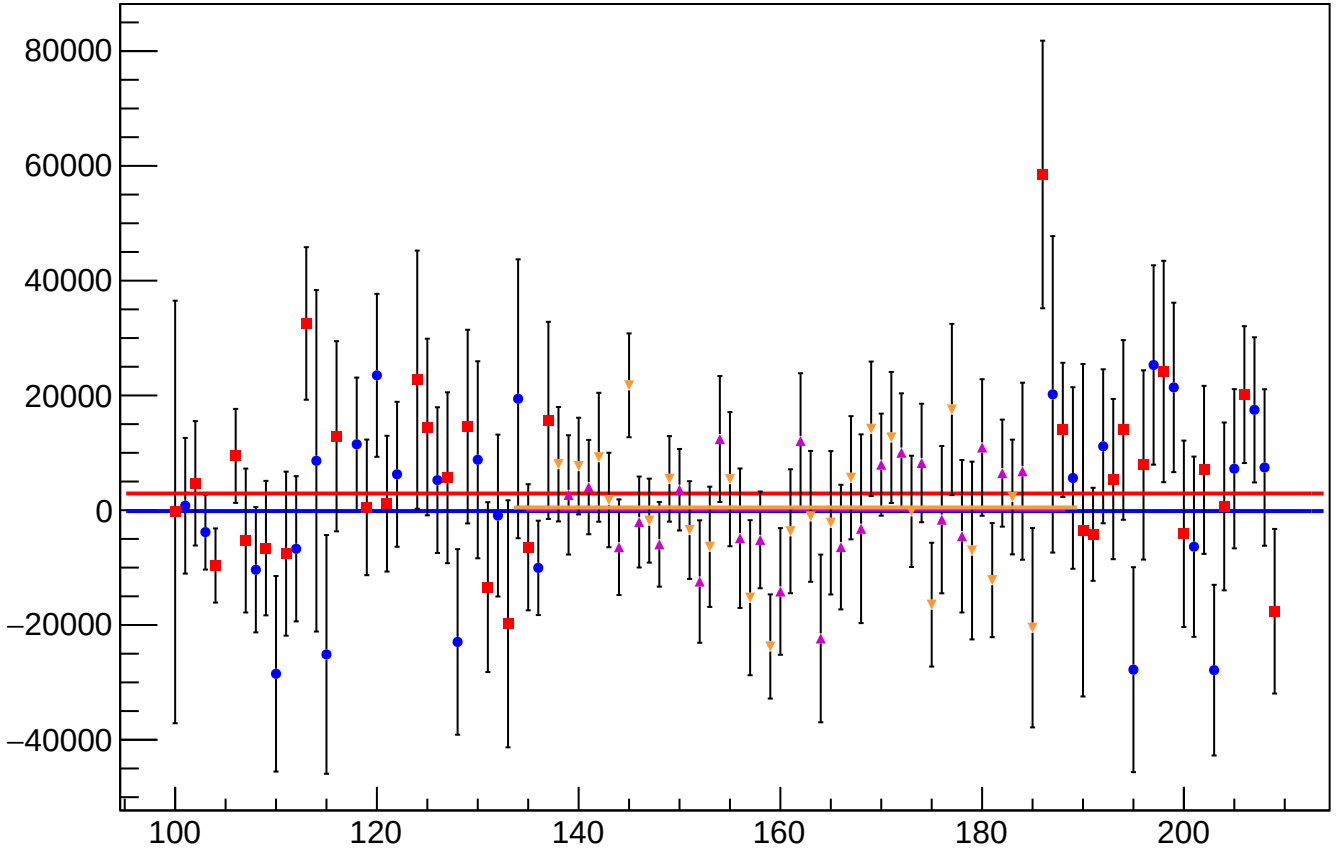
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF: 888357.2/51

All: 2514.868+/-0.213 χ^2/NDF: 1812792.1/10

- sign 2514.036+/-0.301 χ^2/NDF: 924419.7/54

asym_atr2_reg_correction_mean vs Slug



Right In: -152.536+/-2556.261 χ^2/NDF: 28.6/26

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2911.134+/-2299.925 χ^2/NDF: 30.6/31

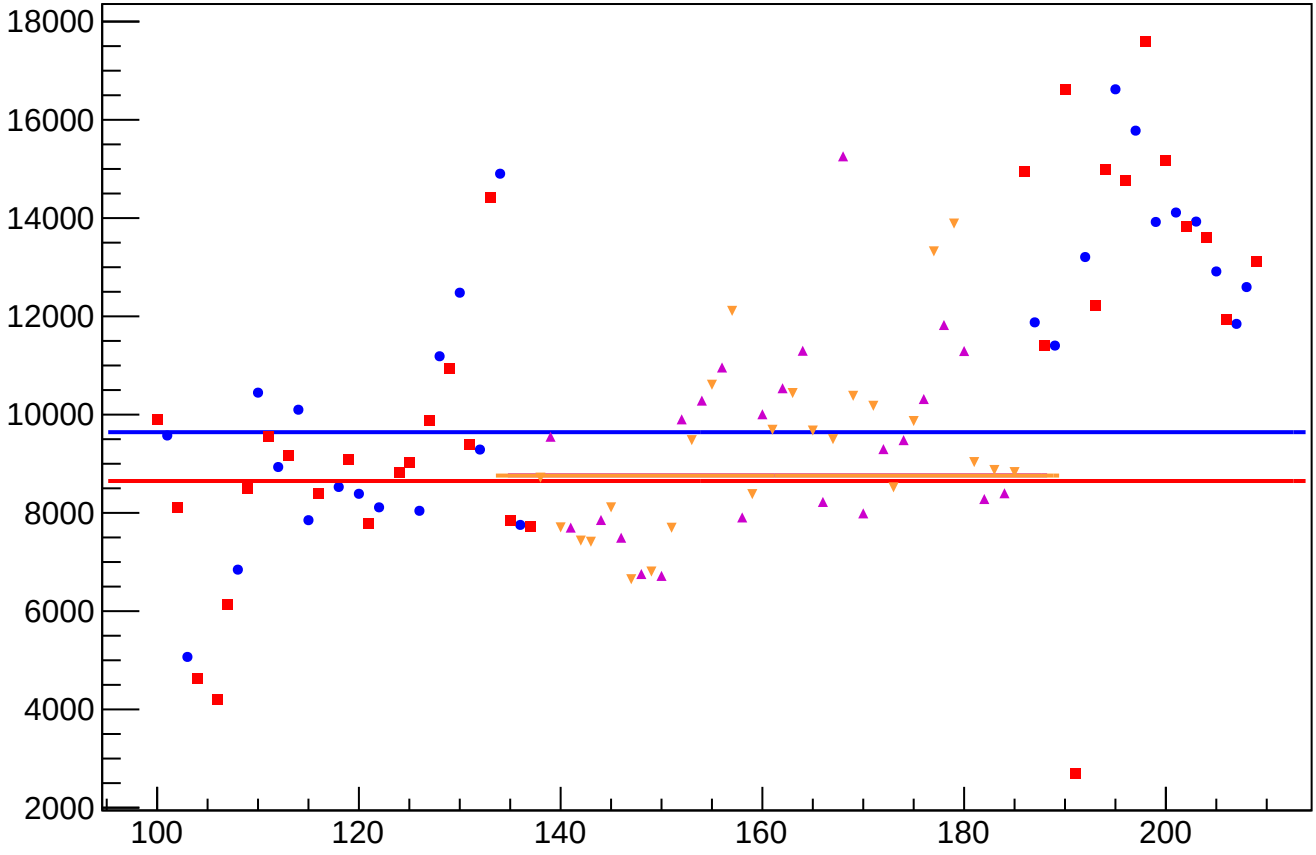
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 232.768+/-1592.568 χ^2/NDF: 56.0/51

All: 820.290+/-1109.699 χ^2/NDF: 102.2/106

- sign 1374.757+/-1547.120 χ^2/NDF: 45.9/54

asym_atr2_reg_correction_rms vs Slug



Right In: 9642.775+/-1.808 χ^2/NDF: 3004388.7/26

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

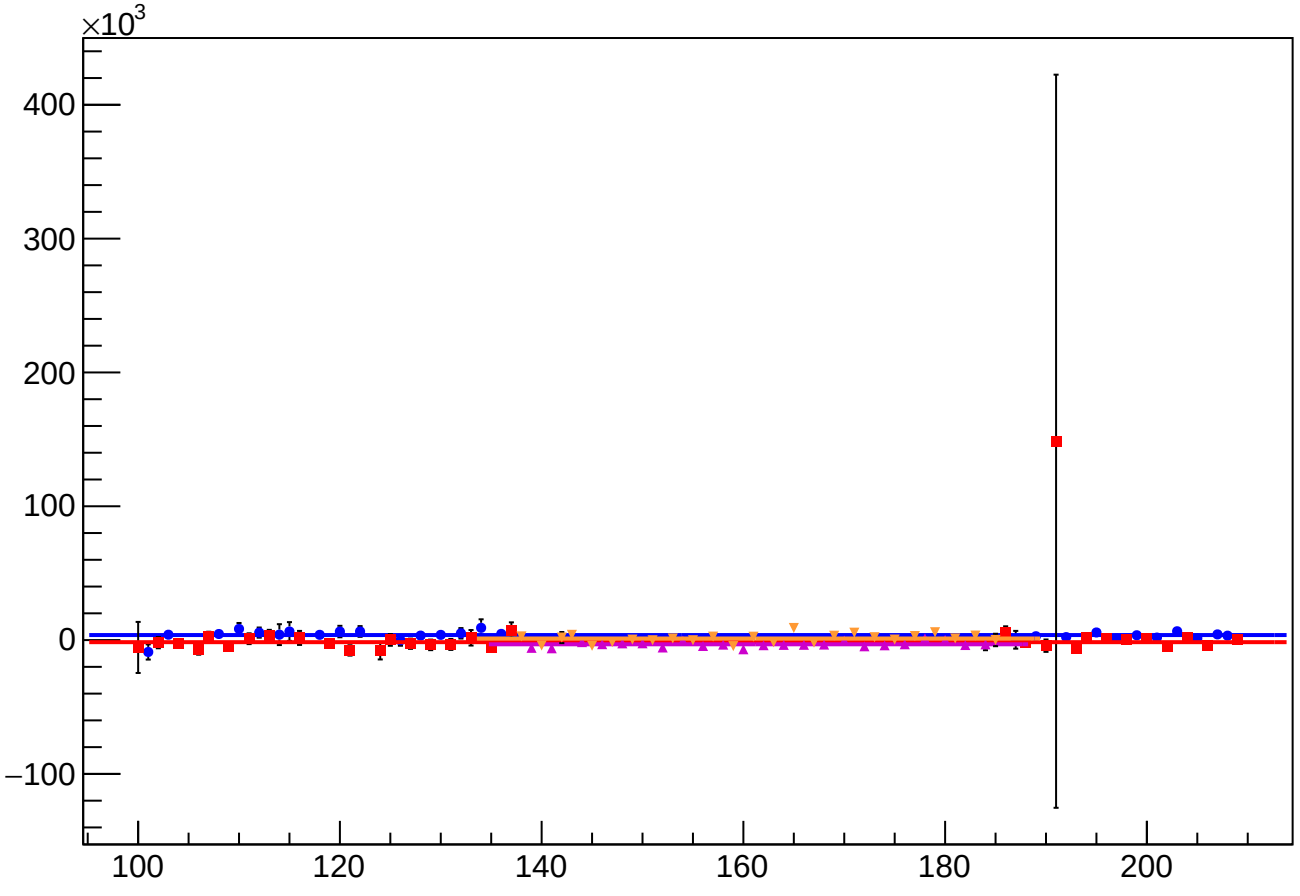
Right Out: 8648.953+/-1.626 χ^2/NDF: 5493772.0/31

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9102.415+/-1.126 χ^2/NDF: 4372687.1/51

All: 8901.565+/-0.785 χ^2/NDF: 11222736.4/1

- sign 8712.016+/-1.094 χ^2/NDF: 6788217.4/54



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1554.843+/-643.248 χ^2/NDF: 28.2/31

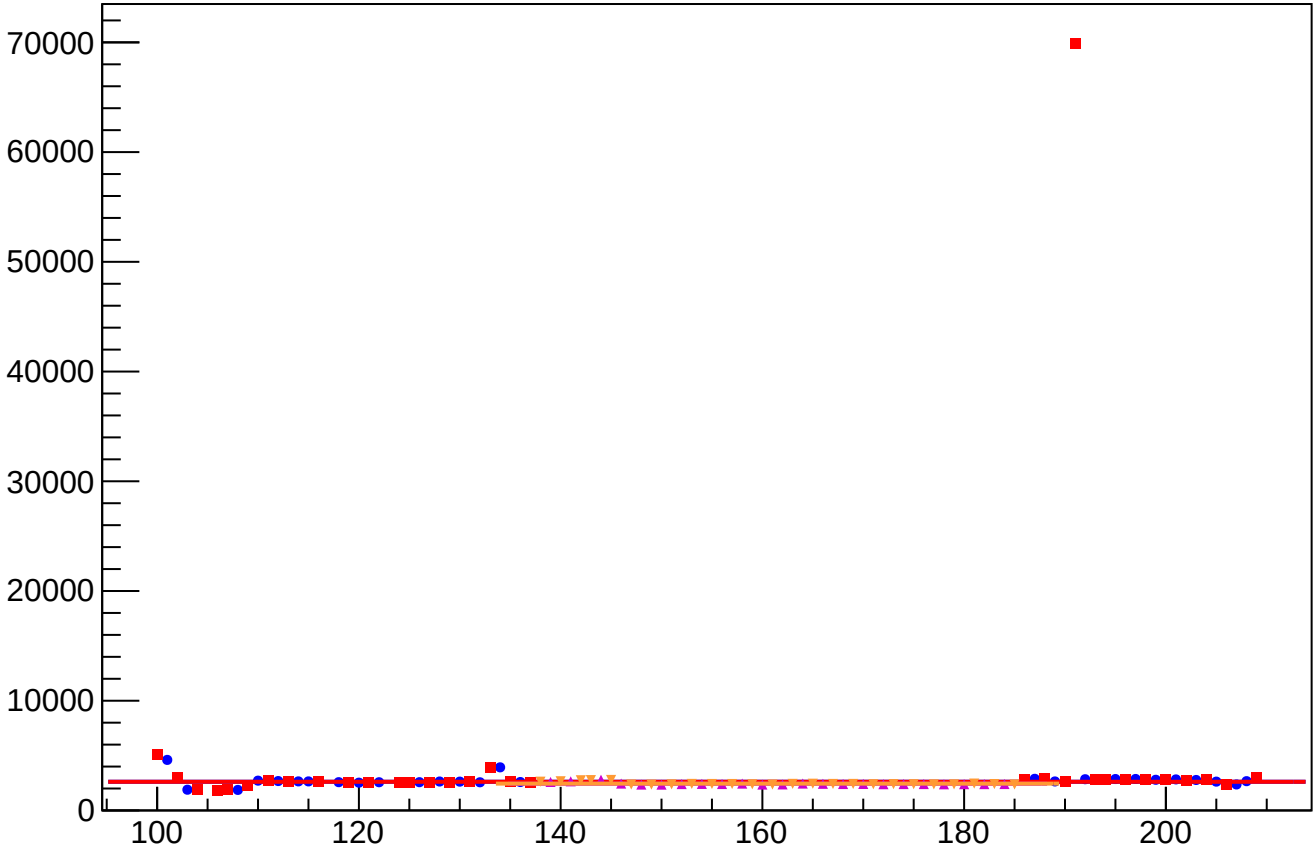
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2249.088+/-426.637 χ^2/NDF: 52.9/51

All: -101.361+/-301.552 χ^2/NDF: 157.9/106

- sign -2447.893+/-426.281 χ^2/NDF: 44.3/54

cor_asym_atr2_rms vs Slug



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

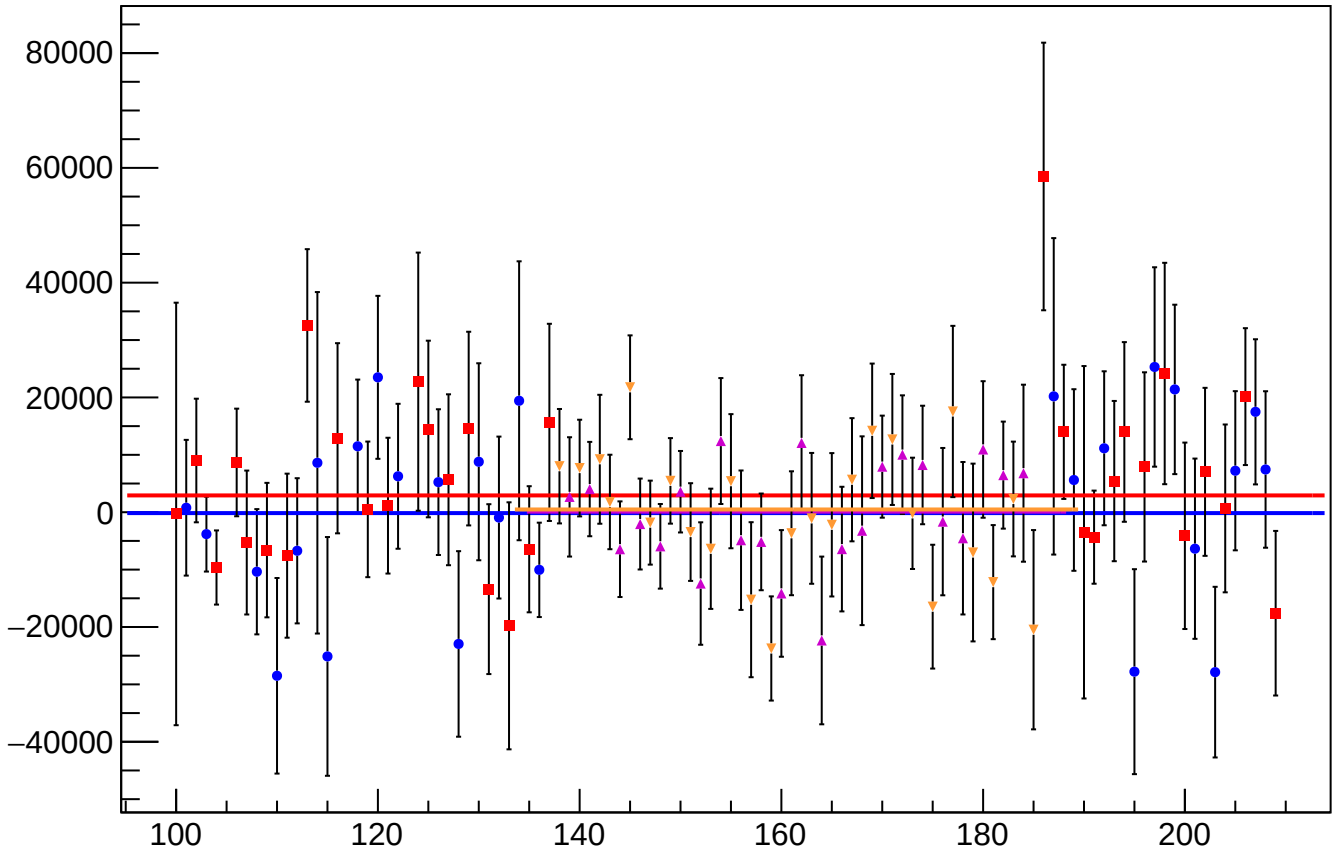
Right Out: 2613.764+/-0.455 χ^2/NDF: 779456.8/31

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF: 888354.9/51

All: 2514.871+/-0.213 χ^2/NDF: 1812727.8/10

- sign 2514.041+/-0.301 χ^2/NDF: 924357.7/54



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2927.426+/-2321.227 χ^2/NDF: 30.7/31

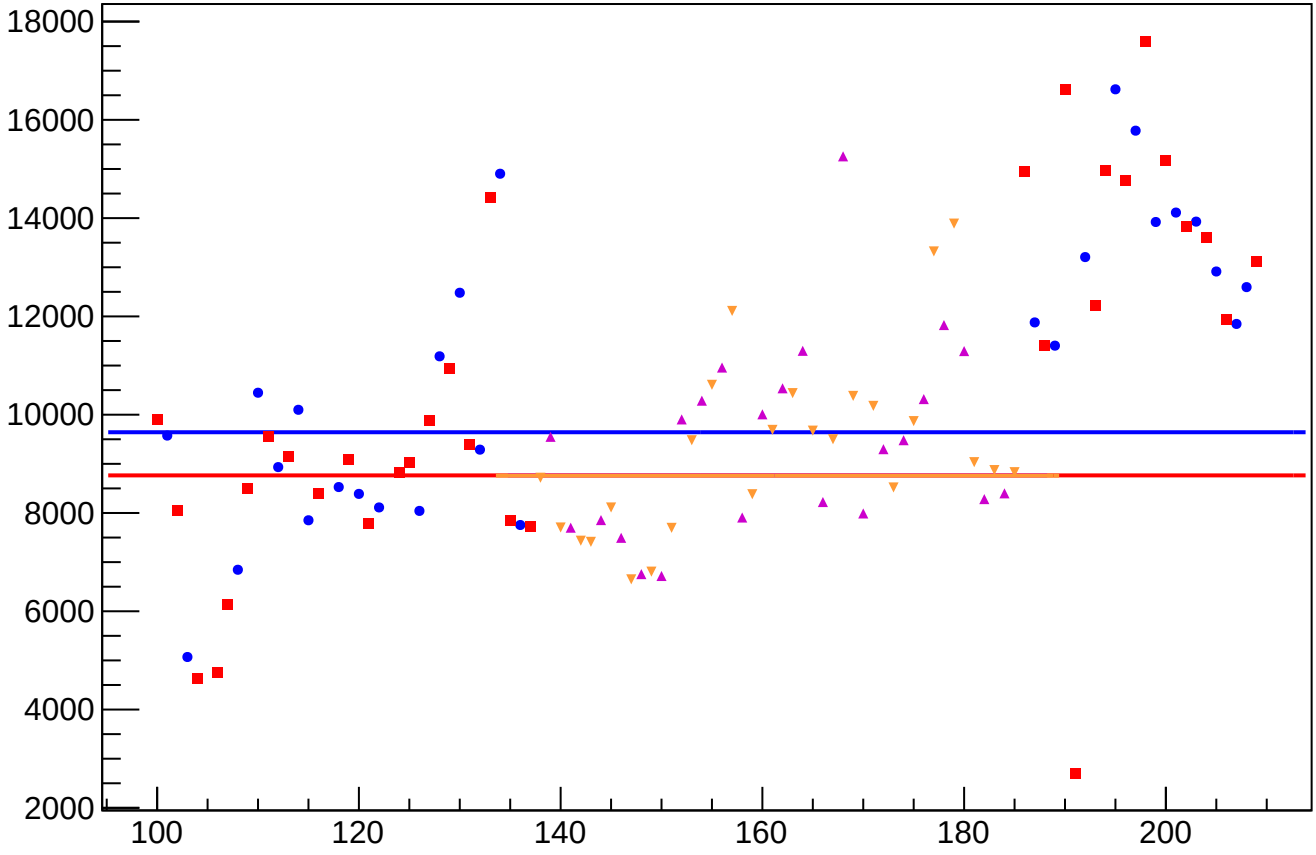
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 232.917+/-1592.579 χ^2/NDF: 56.0/51

All: 815.195+/-1112.070 χ^2/NDF: 102.2/106

- sign 1369.286+/-1553.555 χ^2/NDF: 46.0/54

asym_atr2_cor_correction_rms vs Slug



Right In: 9643.064+/-1.808 χ^2/NDF: 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8765.002+/-1.641 χ^2/NDF: 5241909.7/31

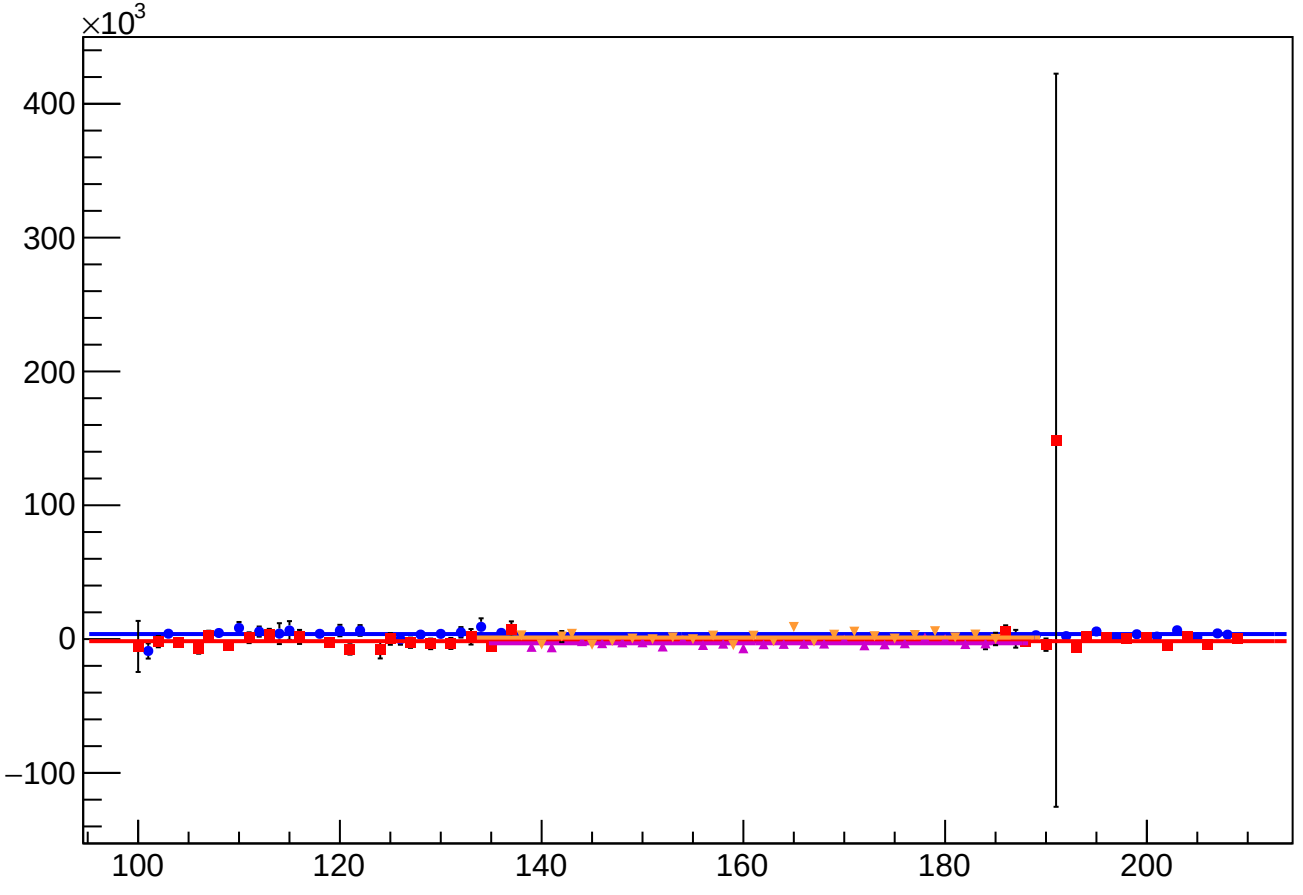
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9102.512+/-1.126 χ^2/NDF: 4372233.4/51

All: 8929.325+/-0.786 χ^2/NDF: 10952001.8/1

- sign 8764.522+/-1.099 χ^2/NDF: 6533610.2/54

eigen_cor_asym_atr2_mean vs Slug



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1554.843+/-643.248 χ^2/NDF: 28.2/31

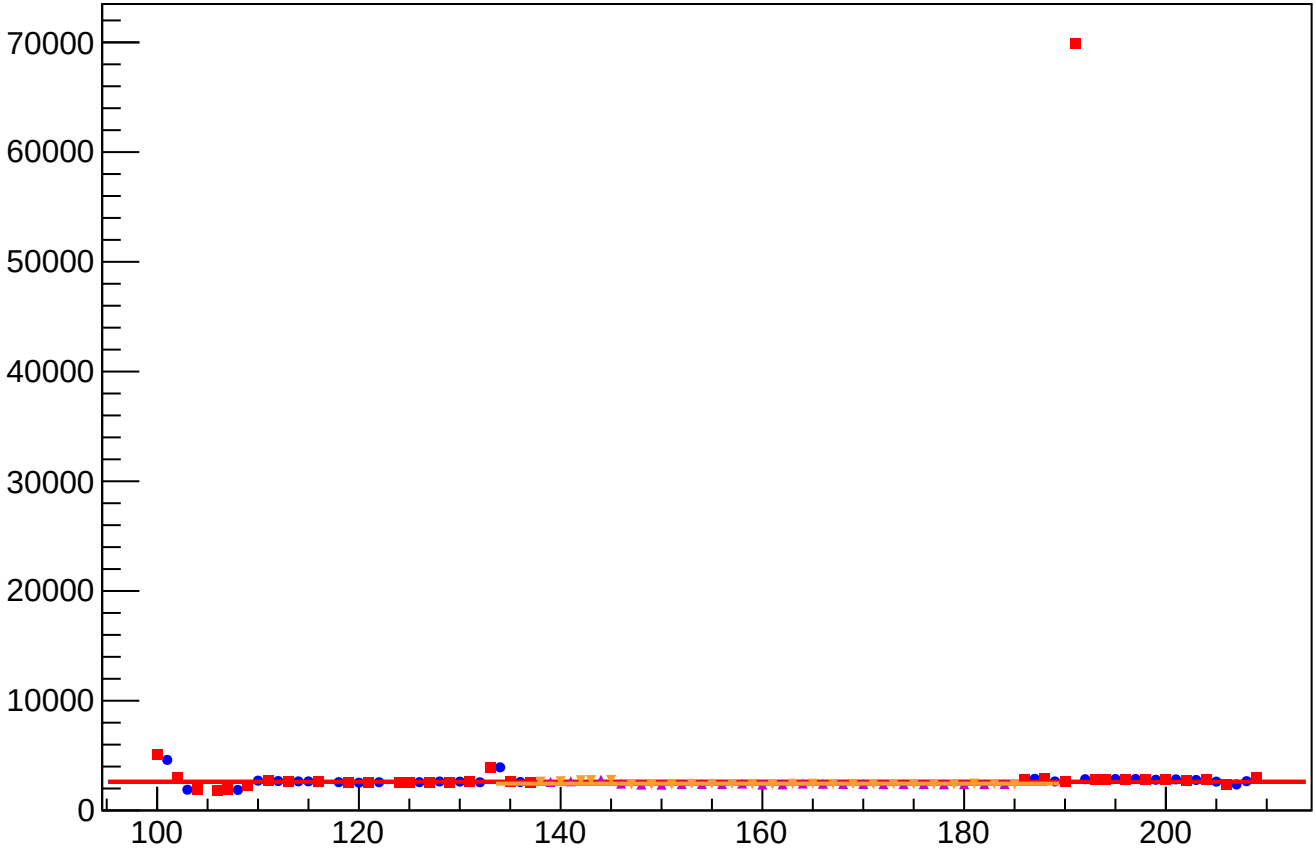
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2249.088+/-426.637 χ^2/NDF: 52.9/51

All: -101.361+/-301.552 χ^2/NDF: 157.9/106

- sign -2447.893+/-426.281 χ^2/NDF: 44.3/54

eigen_cor_asym_atr2_rms vs Slug



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2613.764+/-0.455 χ^2/NDF: 779456.8/31

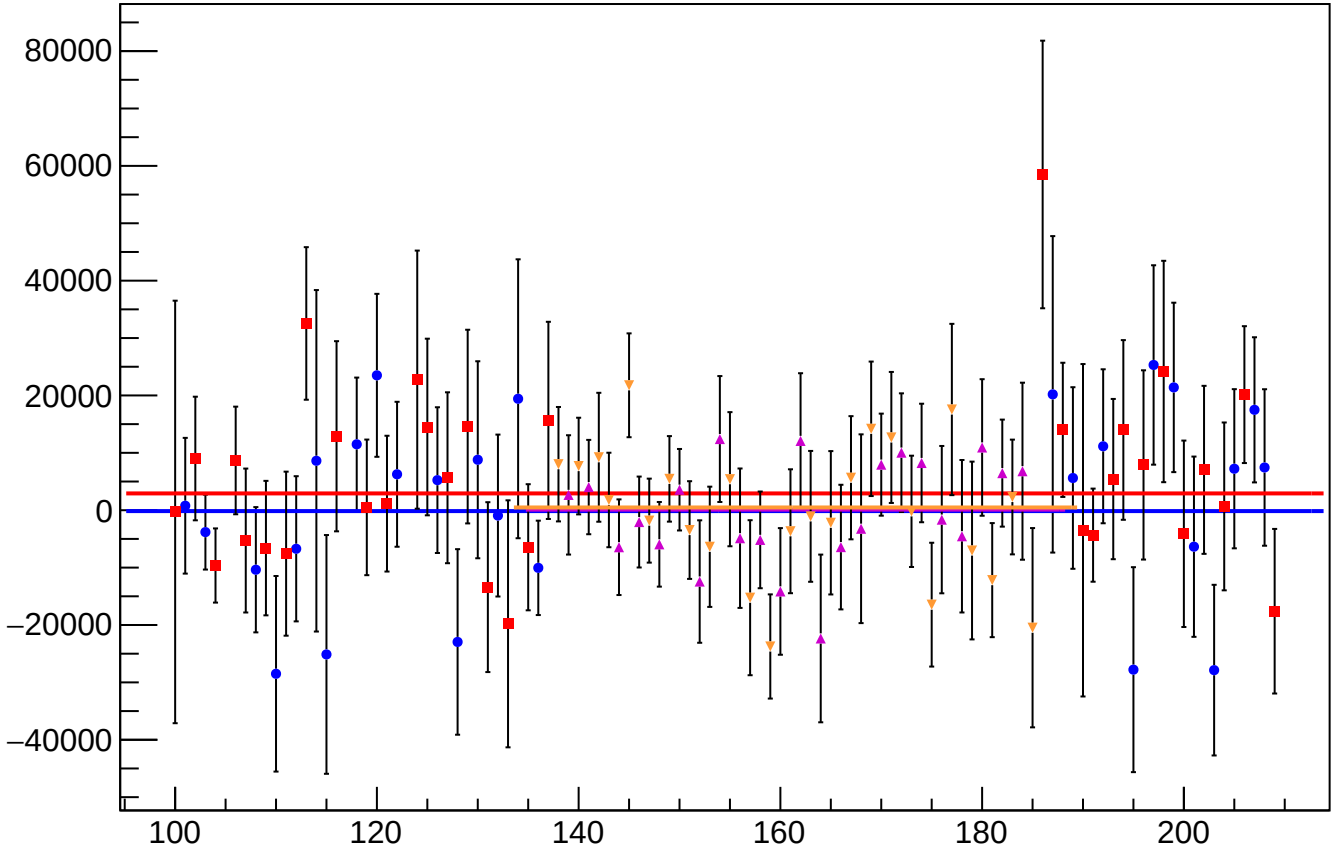
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2515.701+/-0.302 χ^2/NDF: 888354.9/51

All: 2514.871+/-0.213 χ^2/NDF: 1812727.8/10

- sign 2514.041+/-0.301 χ^2/NDF: 924357.7/54

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2927.426+/-2321.227 χ^2/NDF: 30.7/31

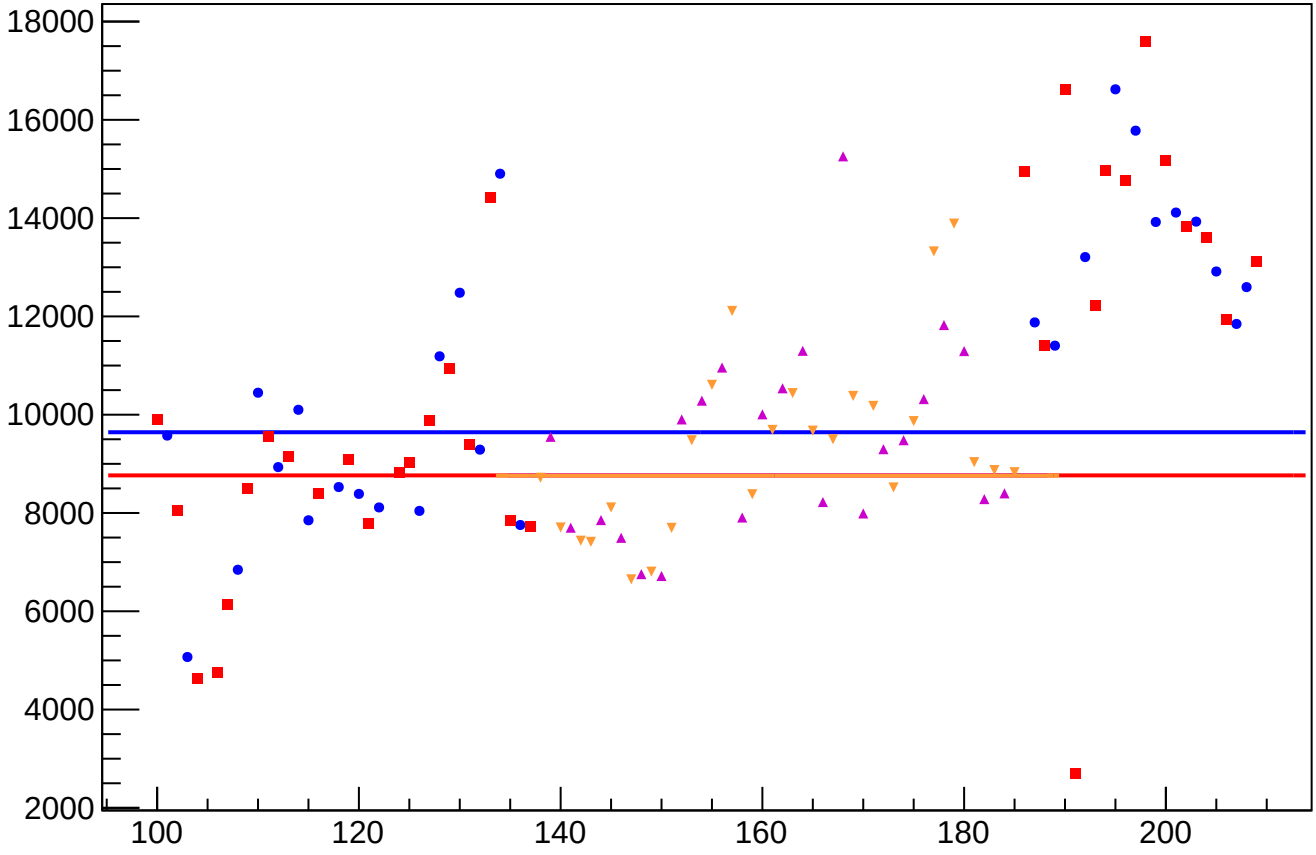
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 232.917+/-1592.579 χ^2/NDF: 56.0/51

All: 815.195+/-1112.070 χ^2/NDF: 102.2/106

- sign 1369.286+/-1553.555 χ^2/NDF: 46.0/54

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9643.064+/-1.808 χ^2/NDF: 3003828.7/26

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8765.002+/-1.641 χ^2/NDF: 5241909.7/31

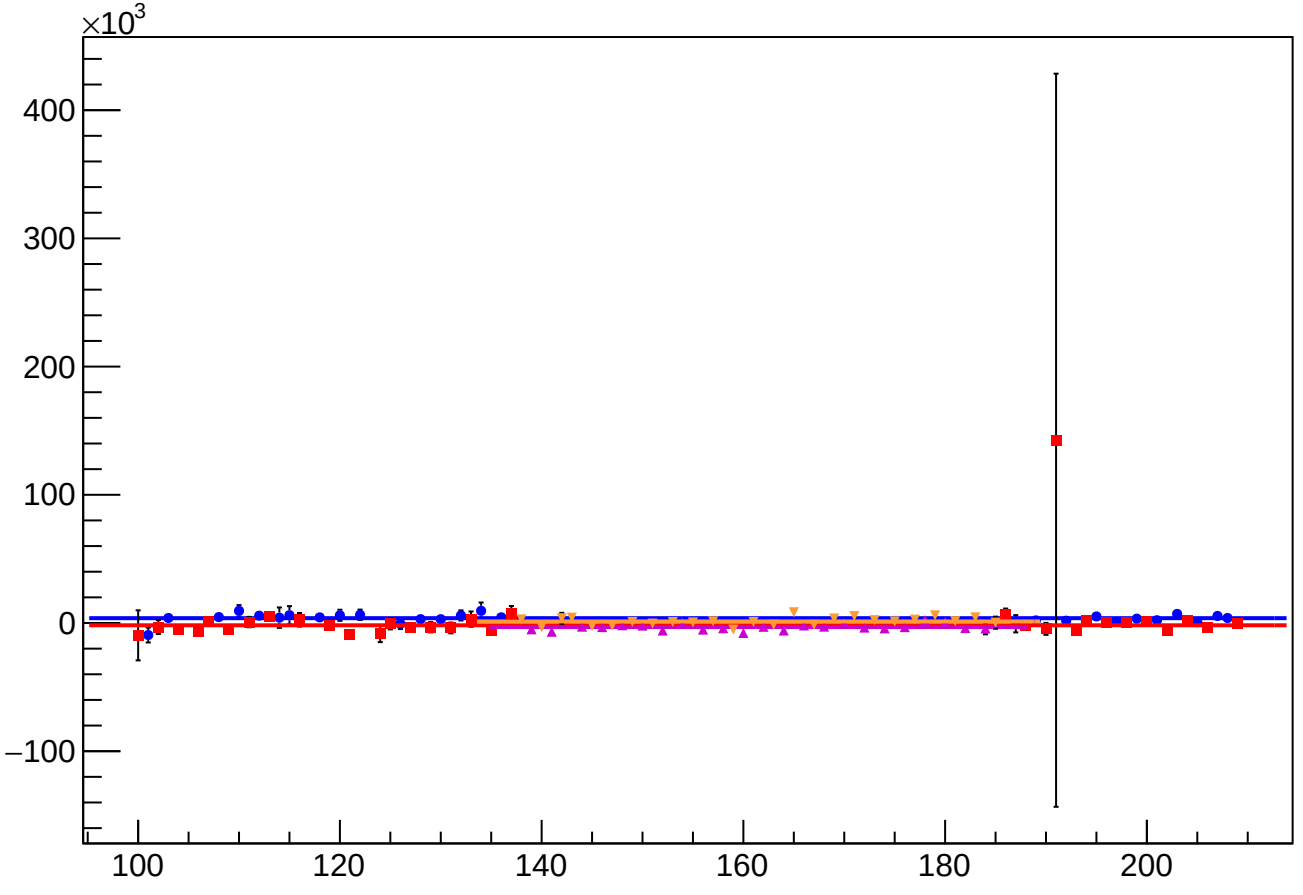
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9102.512+/-1.126 χ^2/NDF: 4372233.4/51

All: 8929.325+/-0.786 χ^2/NDF: 10952001.8/1

- sign 8764.522+/-1.099 χ^2/NDF: 6533610.2/54

dit_asym_atr2_mean vs Slug



Right In: 3761.259+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1777.098+/-664.532 χ^2/NDF: 31.9/31

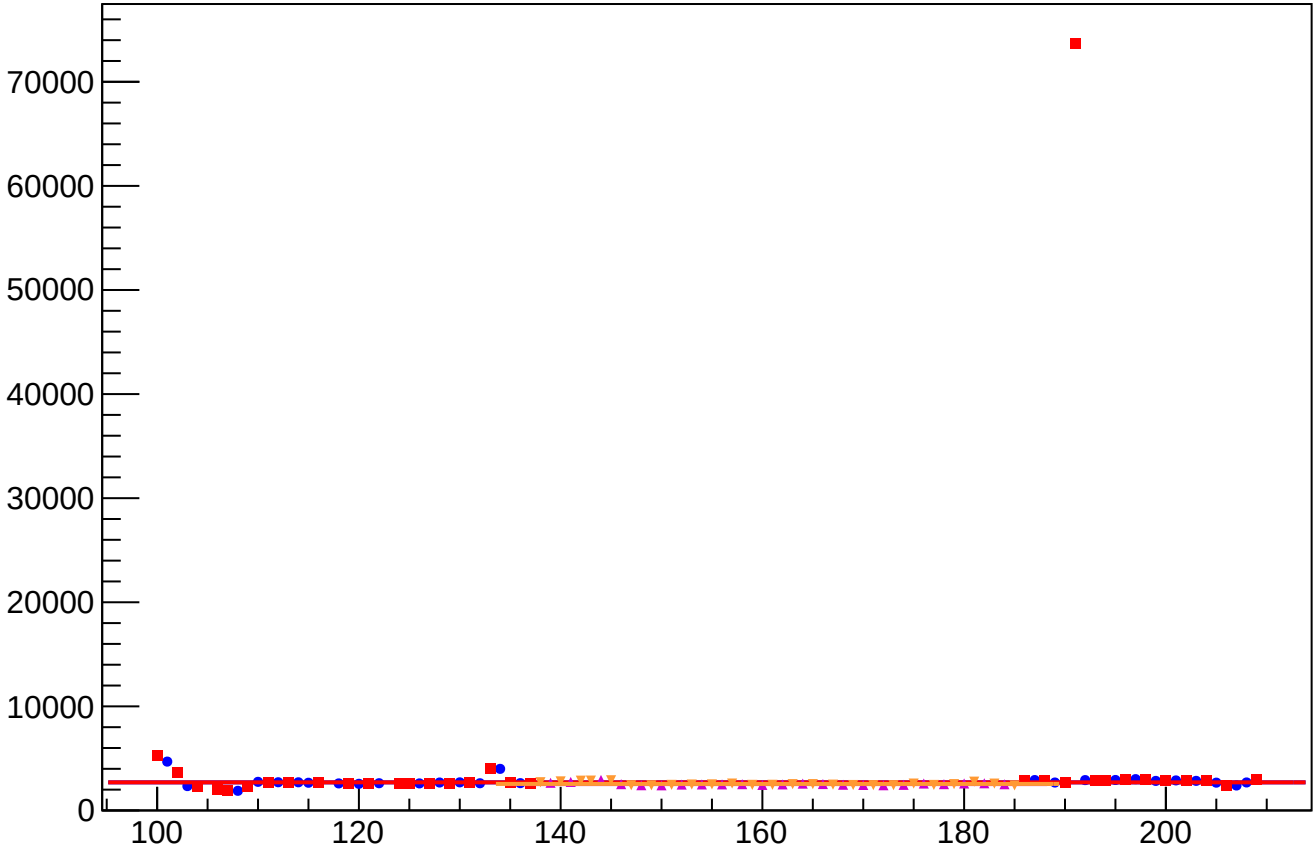
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2277.368+/-442.438 χ^2/NDF: 50.3/51

All: -134.520+/-312.725 χ^2/NDF: 160.4/106

- sign -2542.549+/-442.083 χ^2/NDF: 50.8/54

dit_asym_atr2_rms vs Slug



Right In: 2699.019+/-0.484 χ^2/NDF: 583675.6/26

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2699.313+/-0.470 χ^2/NDF: 683213.2/31

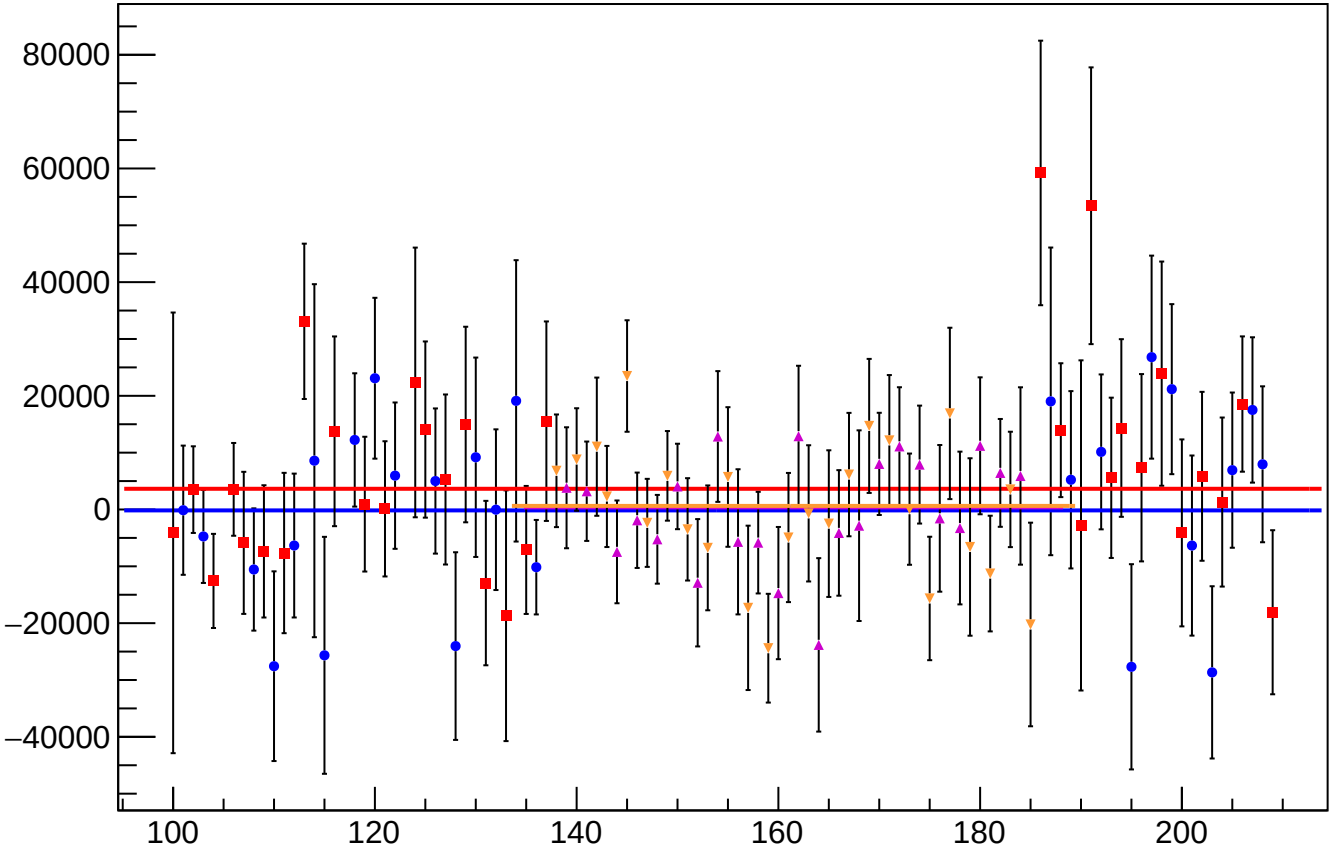
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2610.556+/-0.313 χ^2/NDF: 758278.9/51

All: 2608.526+/-0.221 χ^2/NDF: 1580061.2/10

- sign 2606.500+/-0.313 χ^2/NDF: 821698.2/54

asym_atr2_dit_correction_mean vs Slug



Right In: -160.080+/-2638.716 χ^2/NDF: 28.4/26

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 3643.489+/-2403.753 χ^2/NDF: 32.8/31

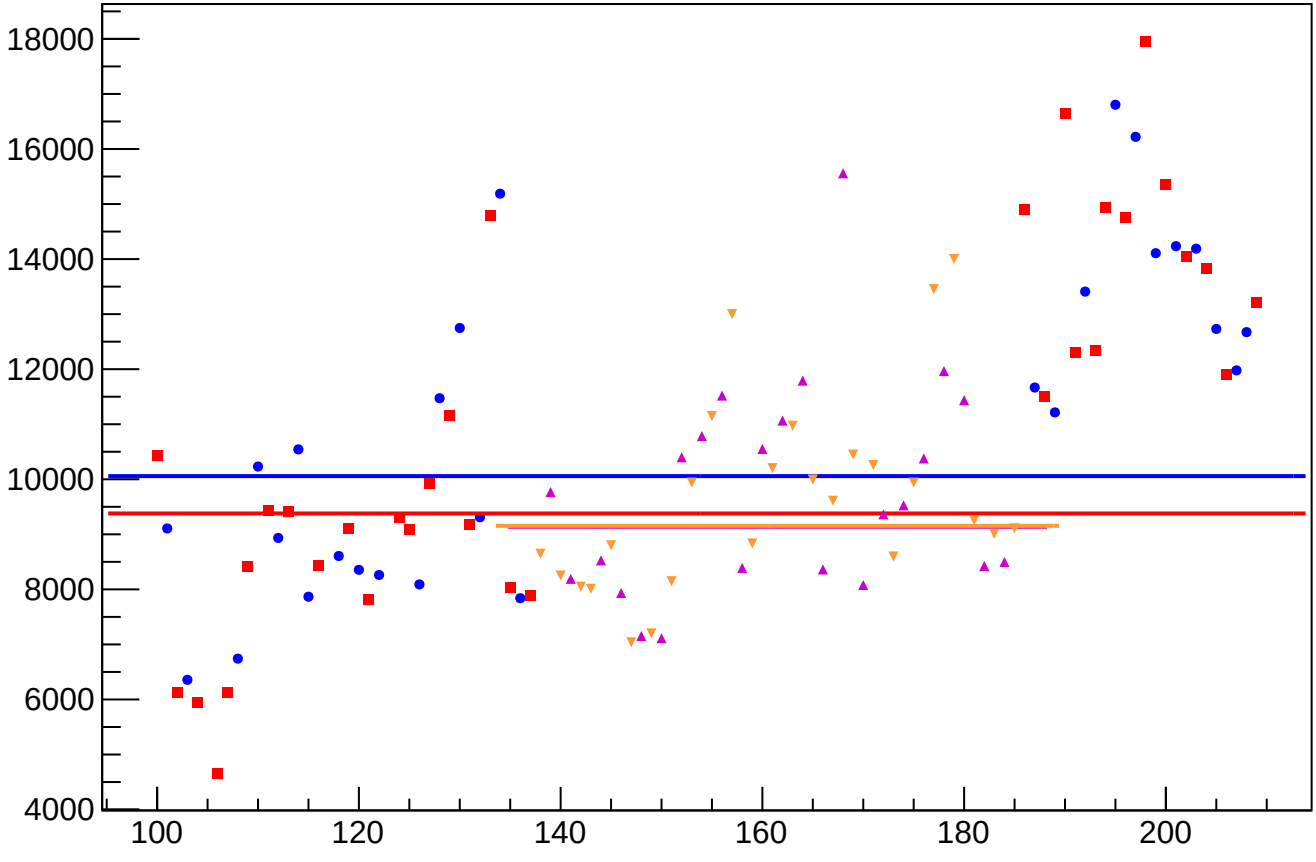
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 320.345+/-1654.148 χ^2/NDF: 55.2/51

All: 1103.748+/-1154.958 χ^2/NDF: 103.6/106

- sign 1848.966+/-1613.330 χ^2/NDF: 48.0/54

asym_atr2_dit_correction_rms vs Slug



Right In: 10057.596+/-1.866 χ^2/NDF: 2378740.7/26

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9379.313+/-1.700 χ^2/NDF: 3894961.7/31

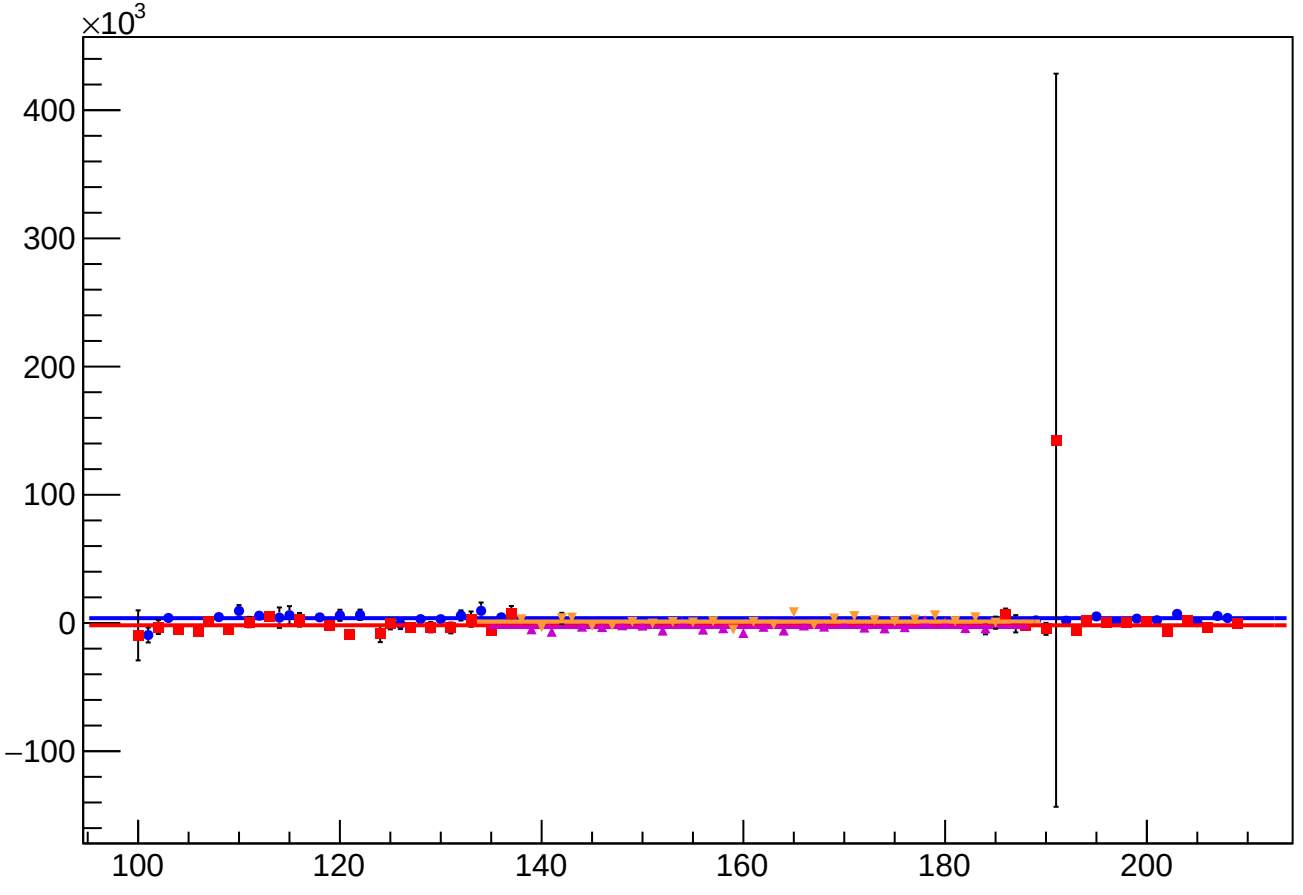
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9509.507+/-1.170 χ^2/NDF: 3592962.2/51

All: 9374.704+/-0.817 χ^2/NDF: 8697749.1/10

- sign 9246.471+/-1.141 χ^2/NDF: 5078869.3/54

eigen_dit_asym_atr2_mean vs Slug



Right In: 3761.257+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1777.100+/-664.532 χ^2/NDF: 31.9/31

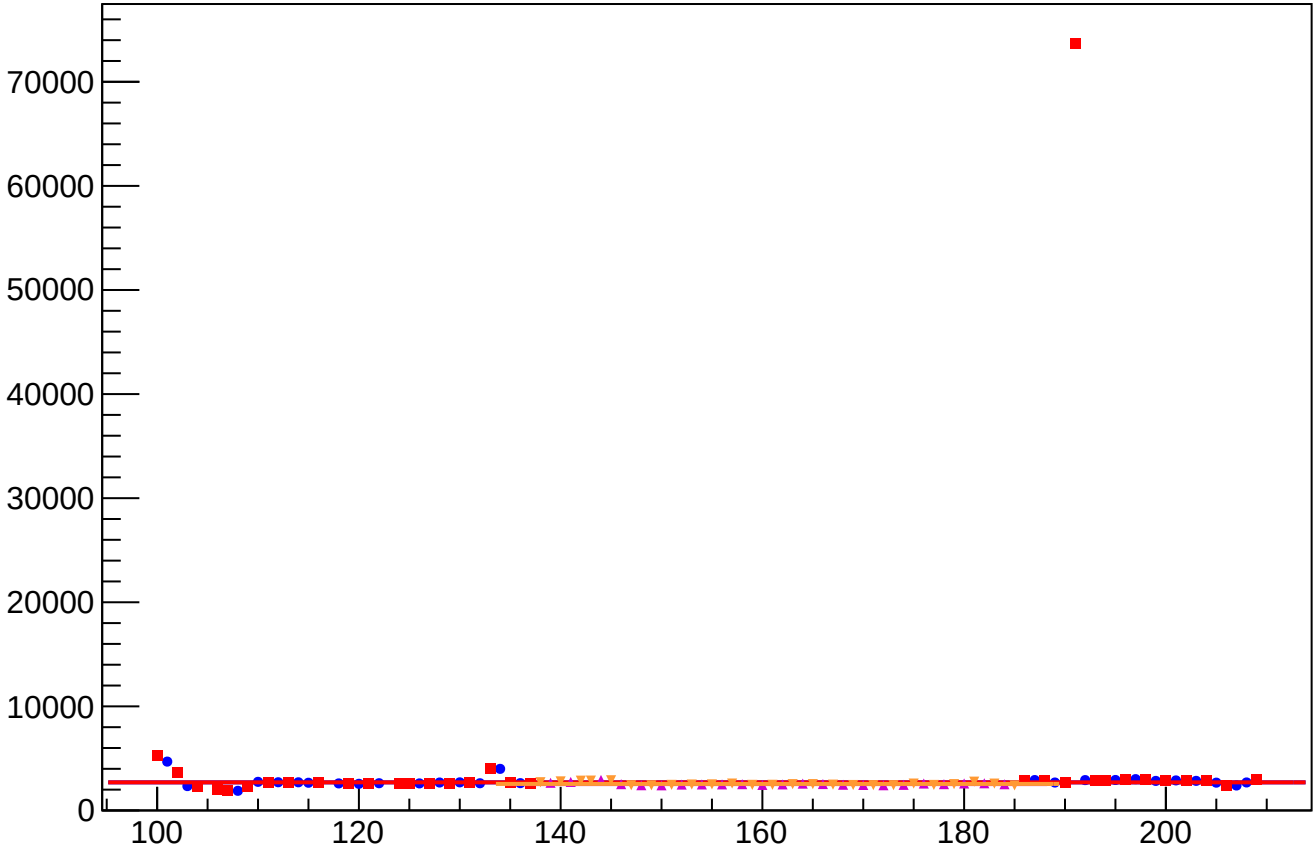
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2277.361+/-442.438 χ^2/NDF: 50.3/51

All: -134.523+/-312.725 χ^2/NDF: 160.4/106

- sign -2542.549+/-442.084 χ^2/NDF: 50.8/54

eigen_dit_asym_atr2_rms vs Slug



Right In: 2699.019+/-0.484 χ^2/NDF: 583676.2/26

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2699.313+/-0.470 χ^2/NDF: 683213.4/31

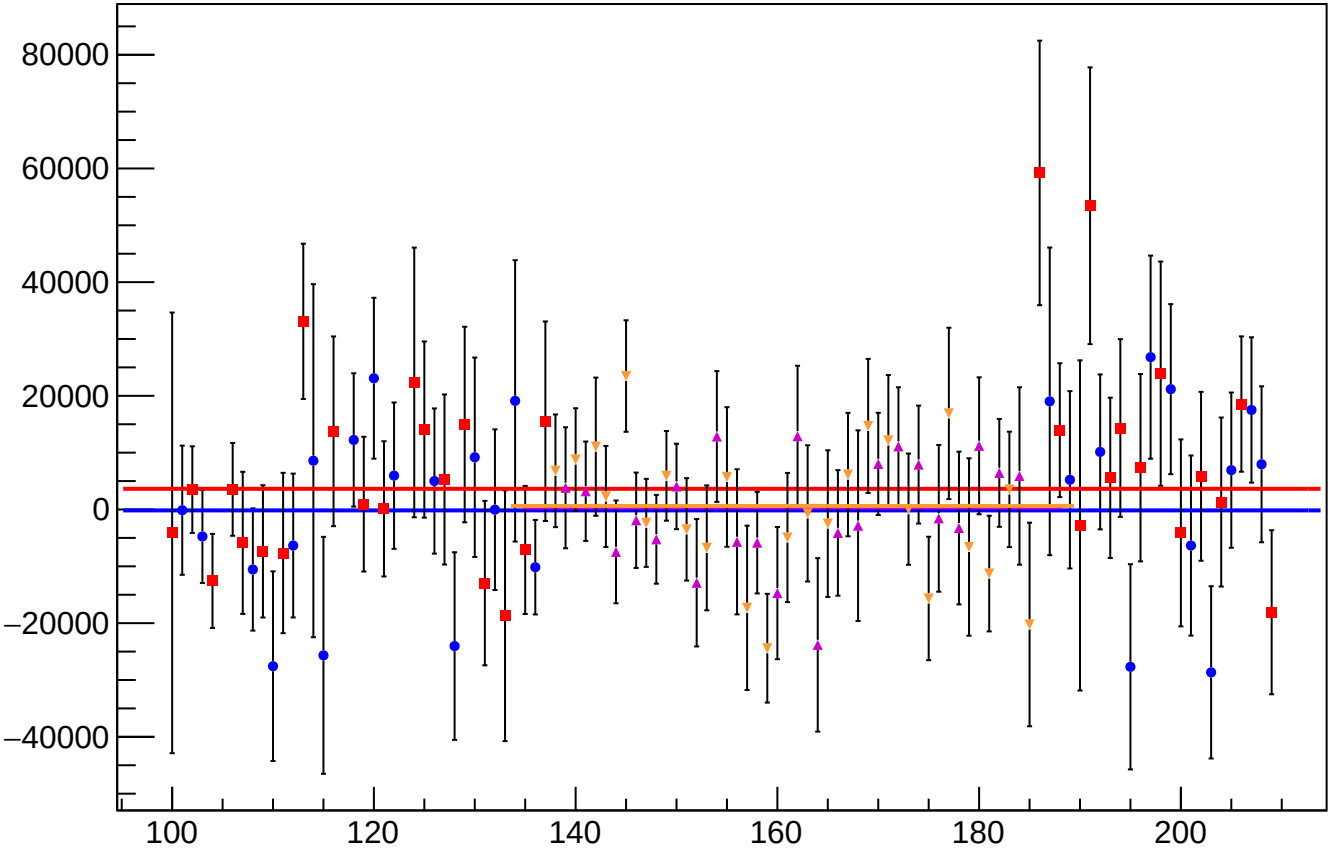
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2610.556+/-0.313 χ^2/NDF: 758277.8/51

All: 2608.527+/-0.221 χ^2/NDF: 1580058.6/10

- sign 2606.501+/-0.313 χ^2/NDF: 821696.7/54

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -160.064+/-2638.715 χ^2/NDF: 28.4/26

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 3643.481+/-2403.751 χ^2/NDF: 32.8/31

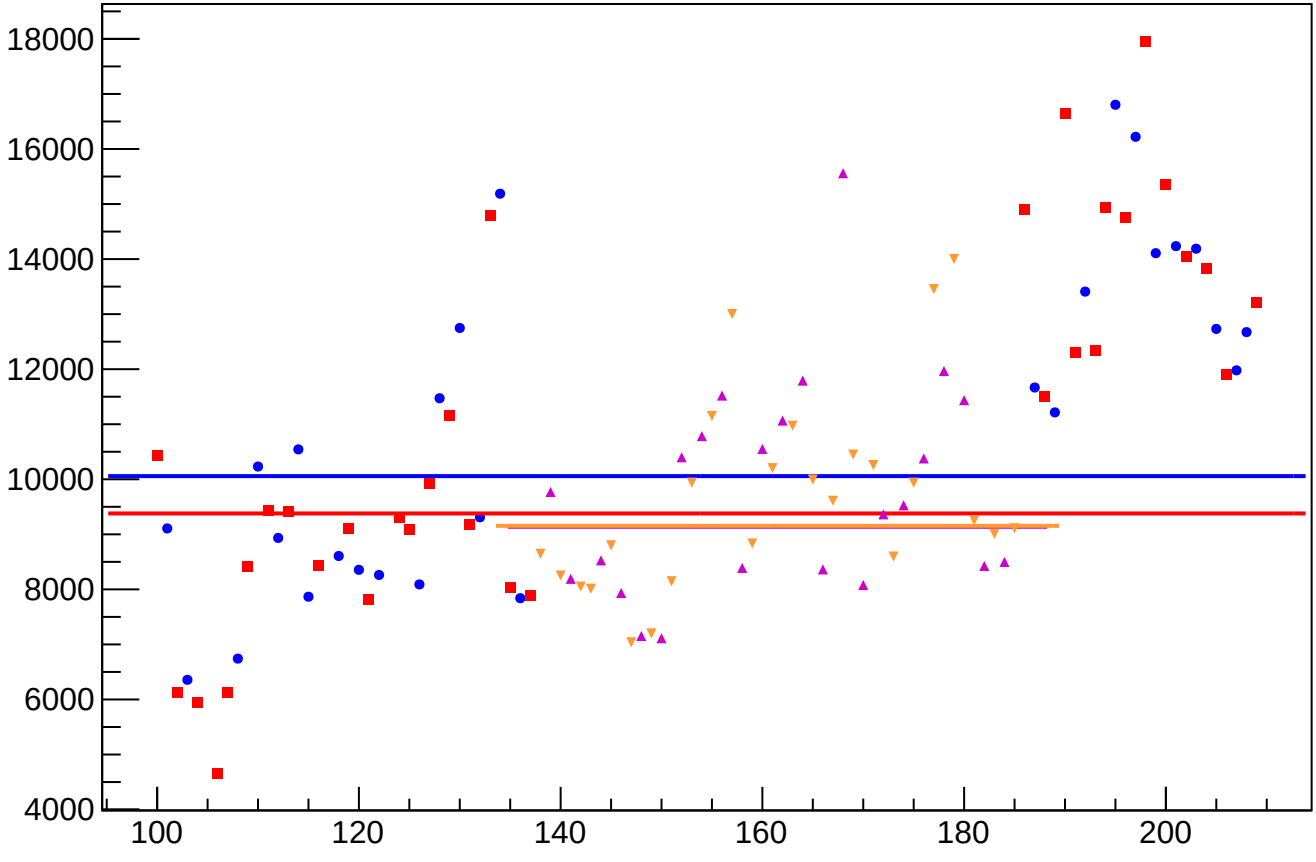
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 320.348+/-1654.150 χ^2/NDF: 55.2/51

All: 1103.751+/-1154.958 χ^2/NDF: 103.6/106

- sign 1848.969+/-1613.331 χ^2/NDF: 48.0/54

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10057.590+/-1.866 χ^2/NDF: 2378752.7/26

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9379.302+/-1.700 χ^2/NDF: 3894979.5/31

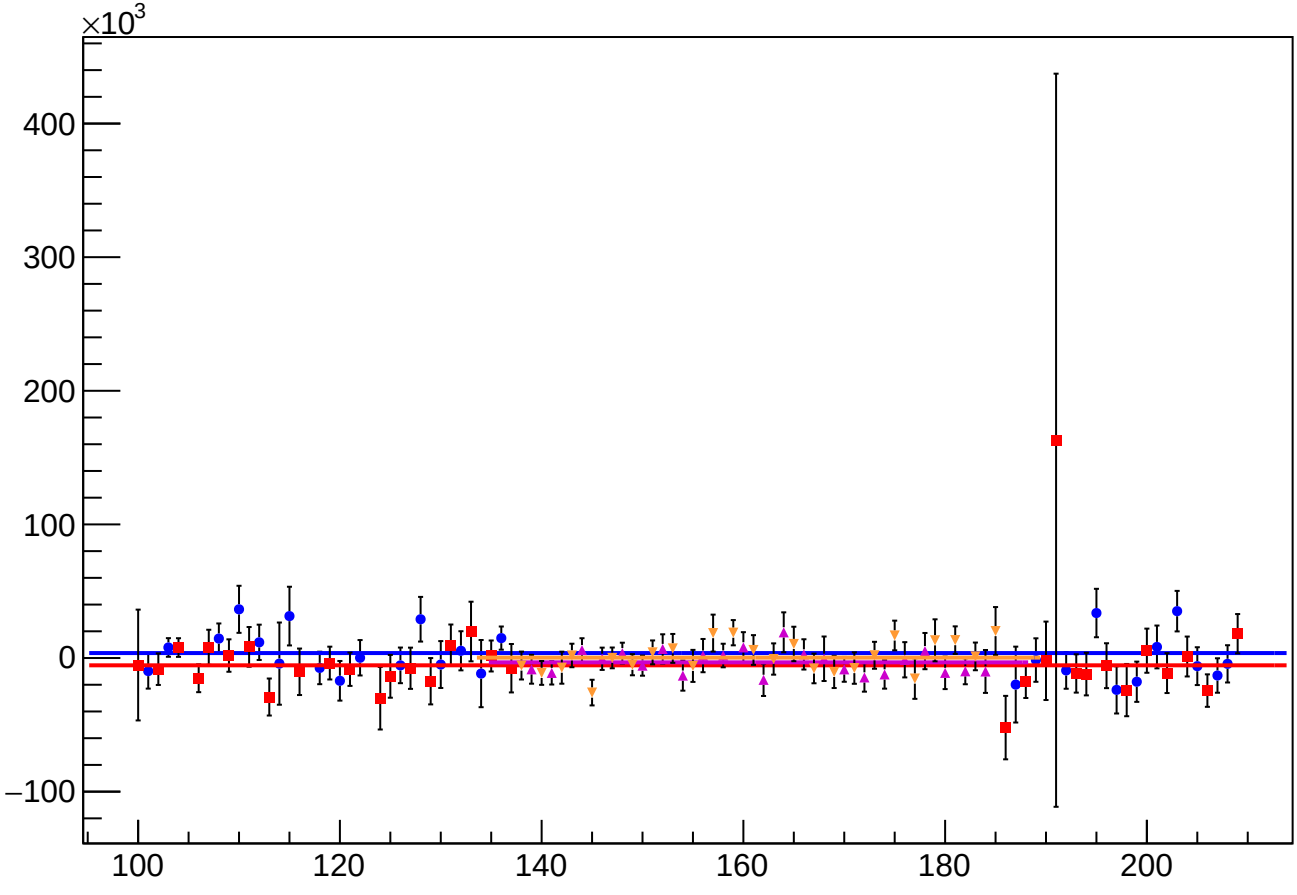
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9509.514+/-1.170 χ^2/NDF: 3592969.3/51

All: 9374.709+/-0.817 χ^2/NDF: 8697776.4/10

- sign 9246.475+/-1.141 χ^2/NDF: 5078888.7/54

asym_atr2_mean vs Slug



Right In: 3715.149+/-2666.405 χ^2/NDF: 31.5/26

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -5458.272+/-2540.307 χ^2/NDF: 26.8/31

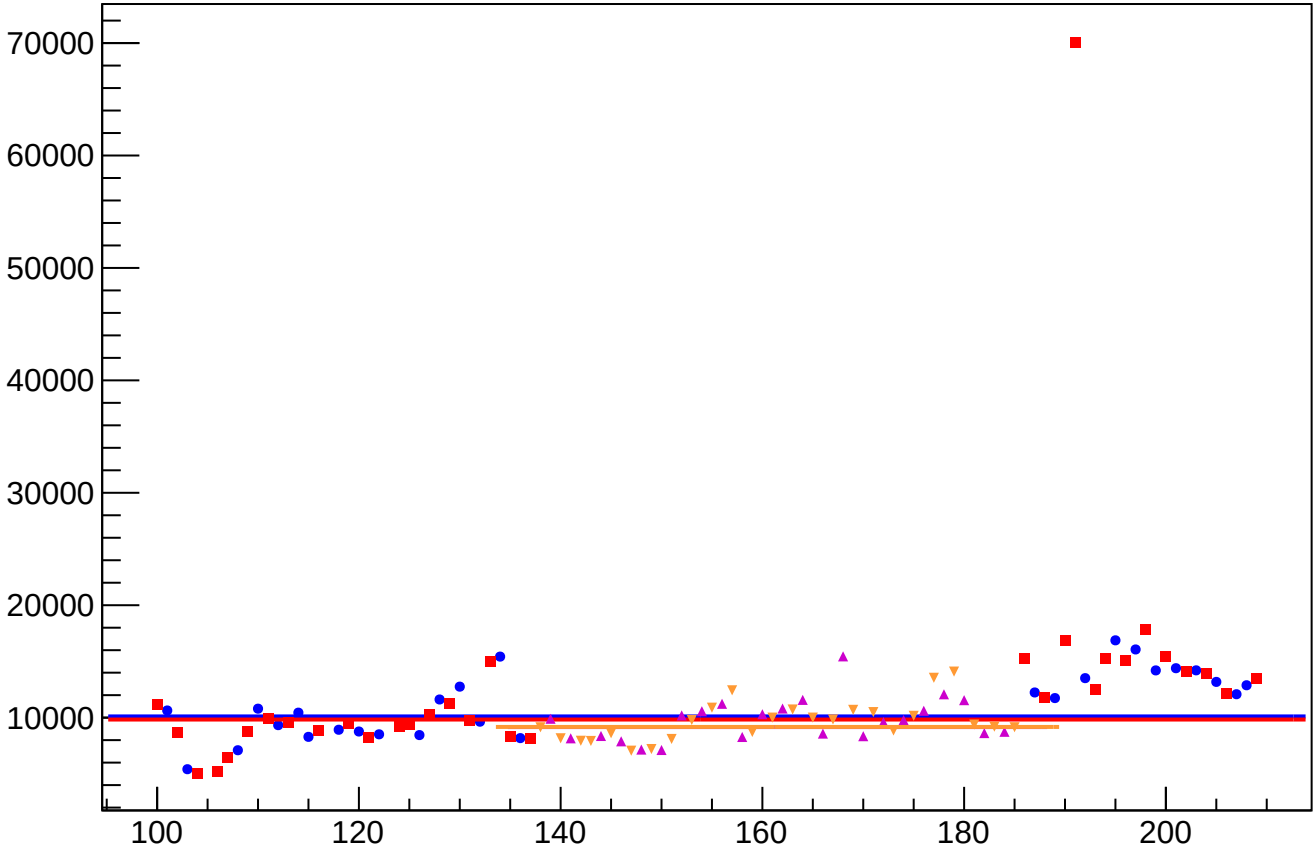
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1623.803+/-1661.996 χ^2/NDF: 58.8/51

All: -1290.137+/-1172.470 χ^2/NDF: 105.7/10

- sign -4177.069+/-1654.276 χ^2/NDF: 40.8/54

asym_atr2_rms vs Slug



Right In: 10108.444+/-1.885 χ^2/NDF: 2741329.8/26

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9831.493+/-1.796 χ^2/NDF: 3702225.7/31

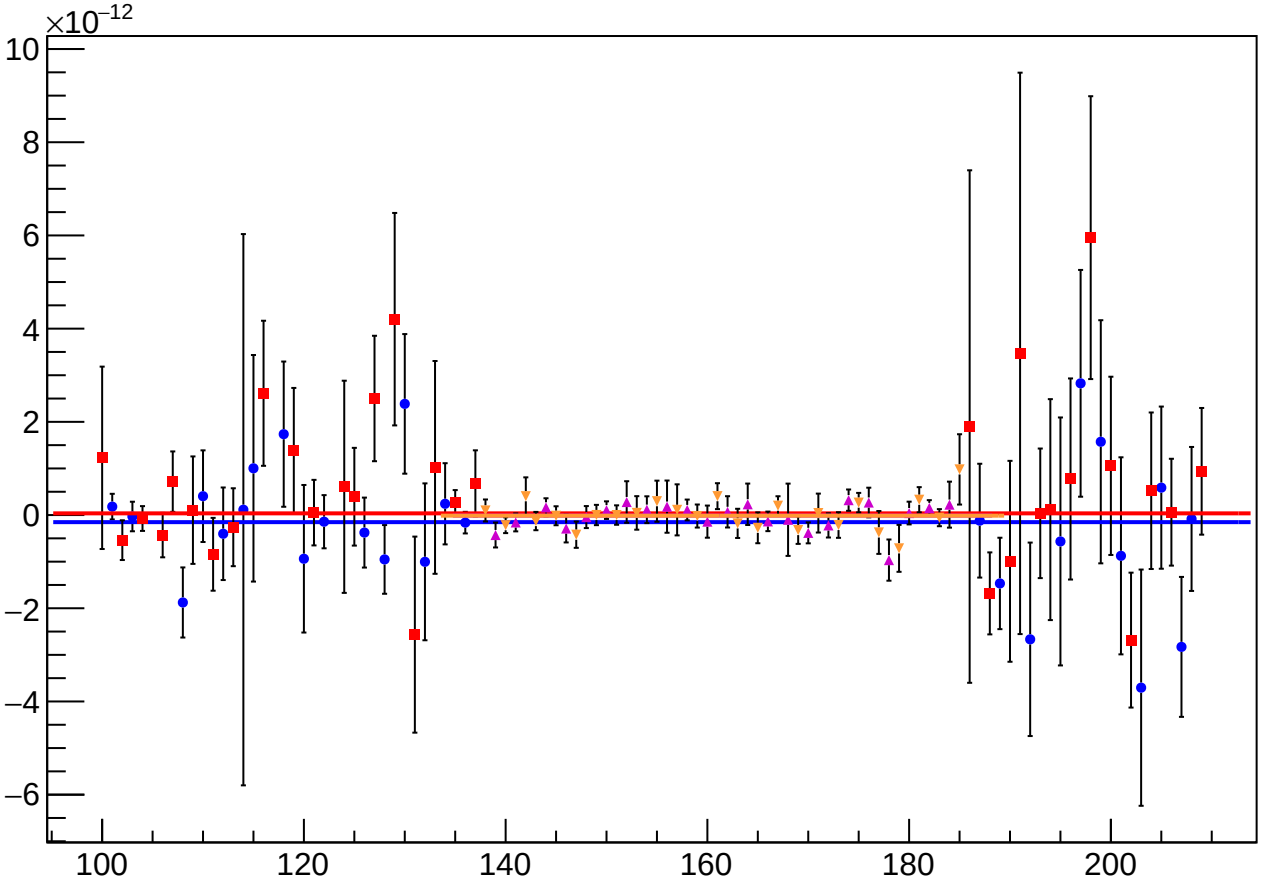
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9536.328+/-1.175 χ^2/NDF: 3948854.4/51

All: 9490.994+/-0.829 χ^2/NDF: 8861516.2/10

- sign 9446.082+/-1.170 χ^2/NDF: 4909699.5/54

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

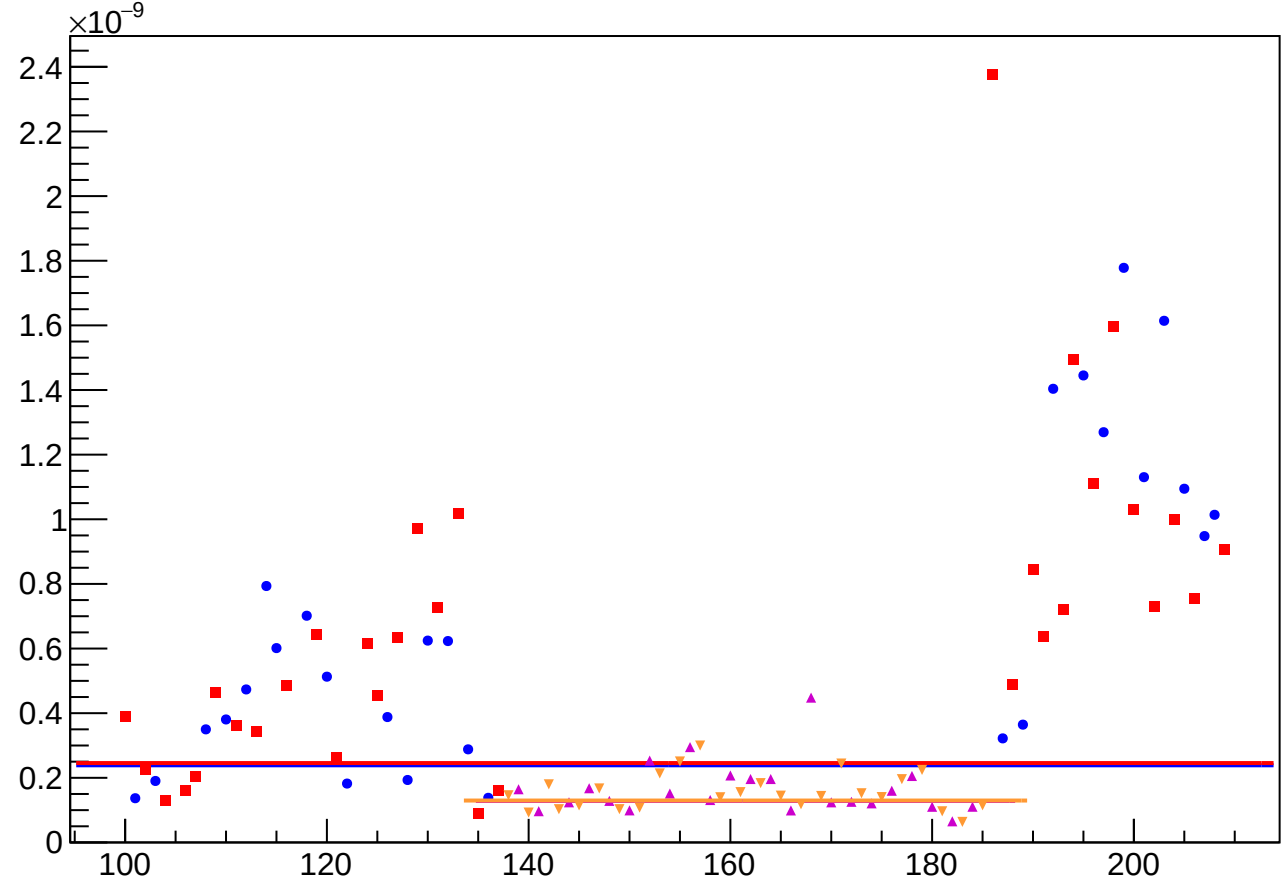
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/31

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.8/51

All: -0.000+/-0.000 χ^2/NDF: 96.7/106

- sign -0.000+/-0.000 χ^2/NDF: 51.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 6060814.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6318006.7/31

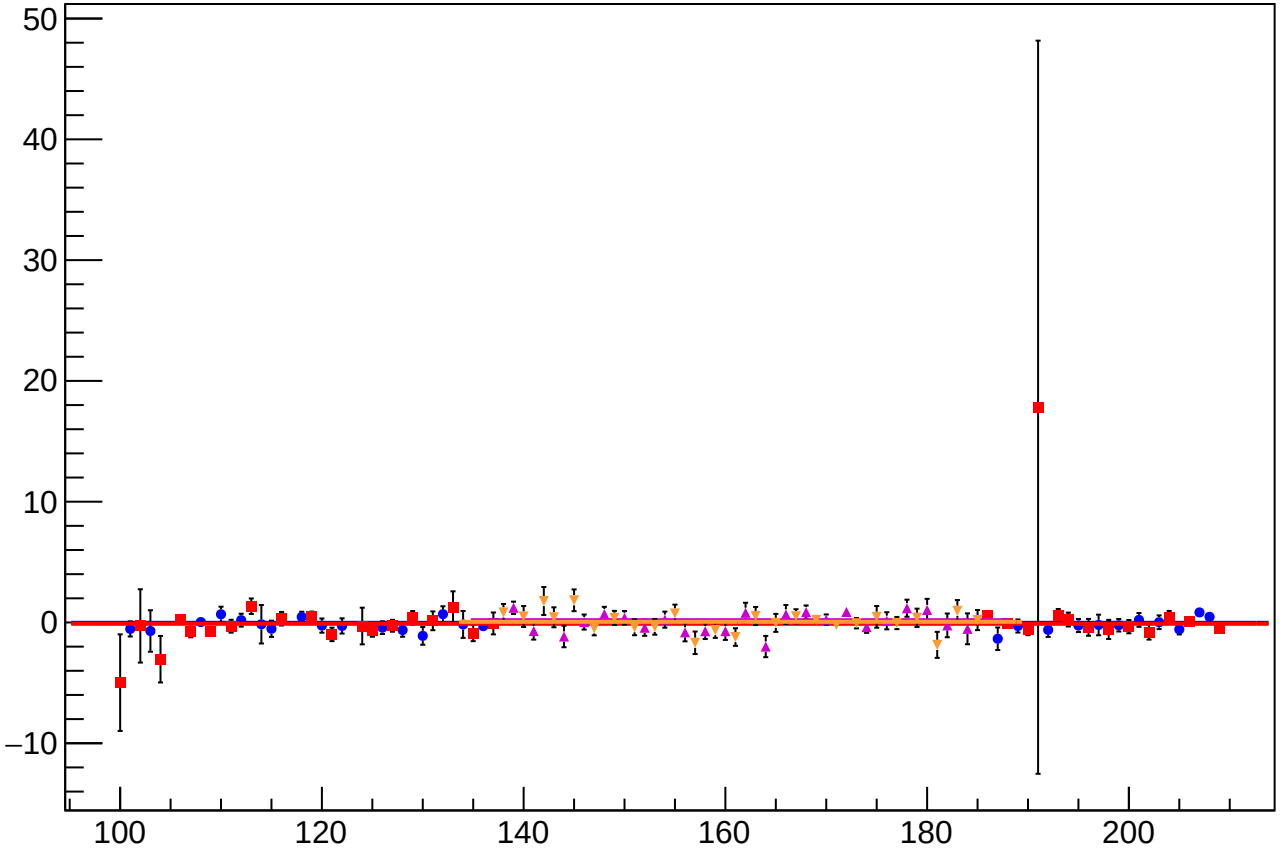
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8664349.6/51

All: 0.000+/-0.000 χ^2/NDF: 17833434.7/106

- sign 0.000+/-0.000 χ^2/NDF: 9169084.9/54

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.109+/-0.091 χ^2/NDF: 35.2/31

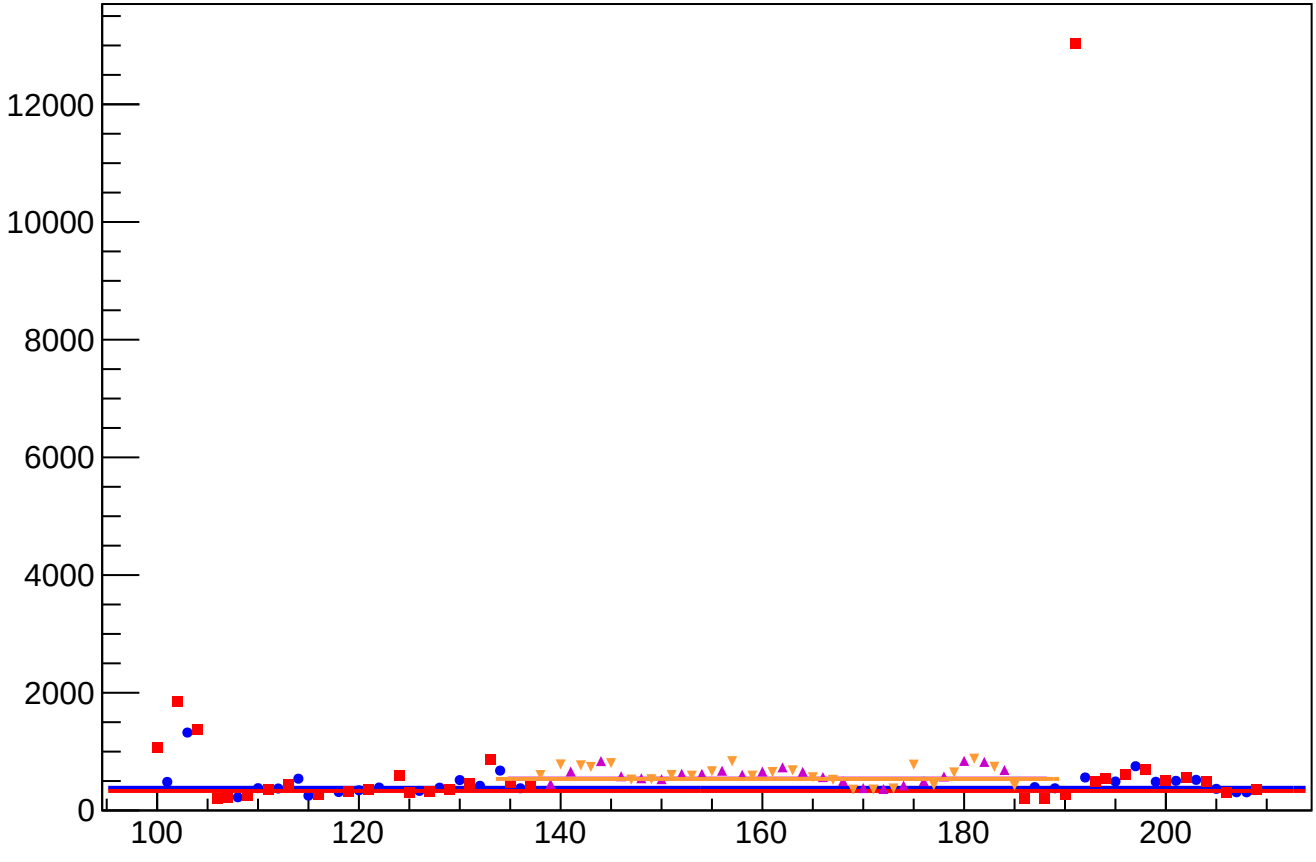
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: -0.005+/-0.055 χ^2/NDF: 118.9/106

- sign -0.014+/-0.075 χ^2/NDF: 69.9/54

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475719.6/31

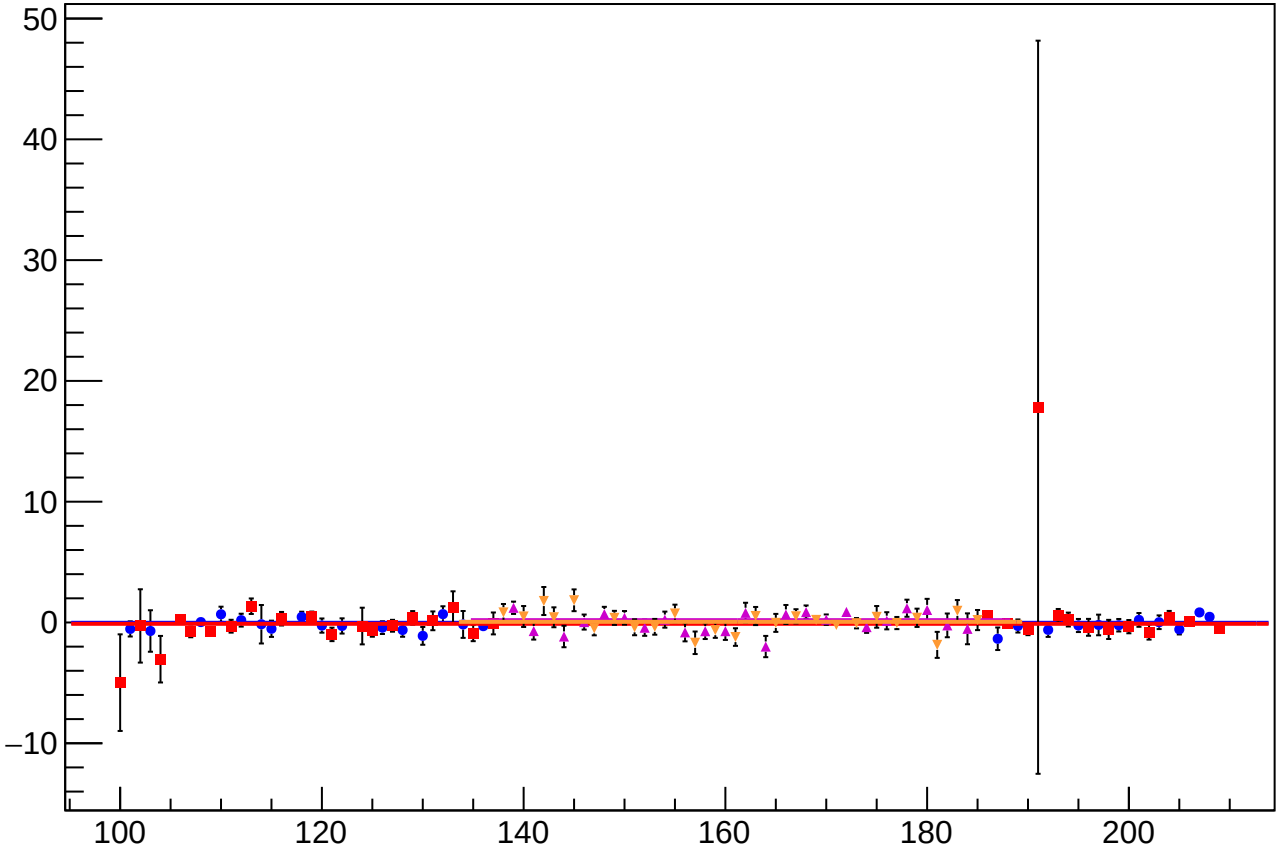
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 443.900+/-0.057 χ^2/NDF: 6945061.1/51

All: 419.147+/-0.039 χ^2/NDF: 18048118.7/10

- sign 397.893+/-0.053 χ^2/NDF: 10755034.3/54

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.109+/-0.091 χ^2/NDF: 35.2/31

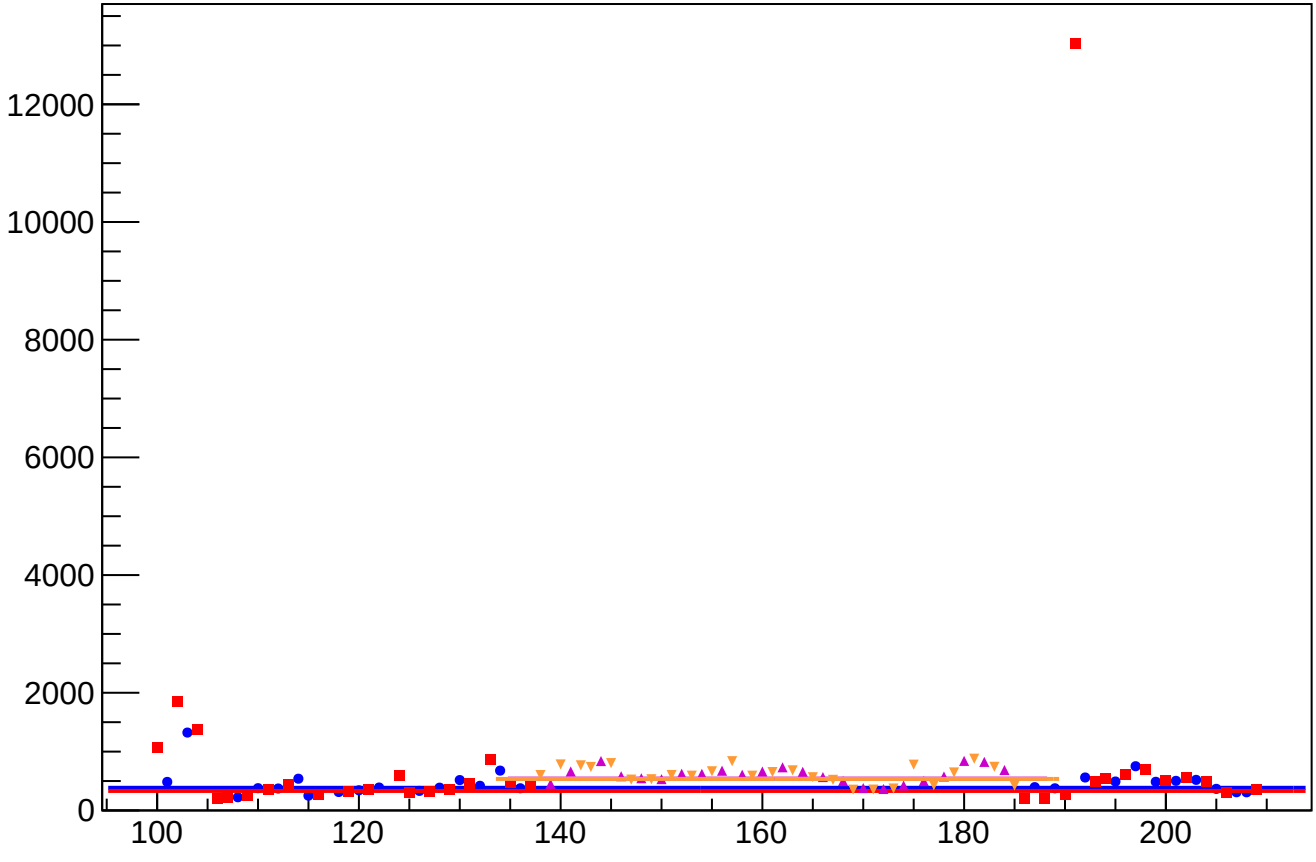
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: -0.005+/-0.055 χ^2/NDF: 118.9/106

- sign -0.014+/-0.075 χ^2/NDF: 69.9/54

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475719.6/31

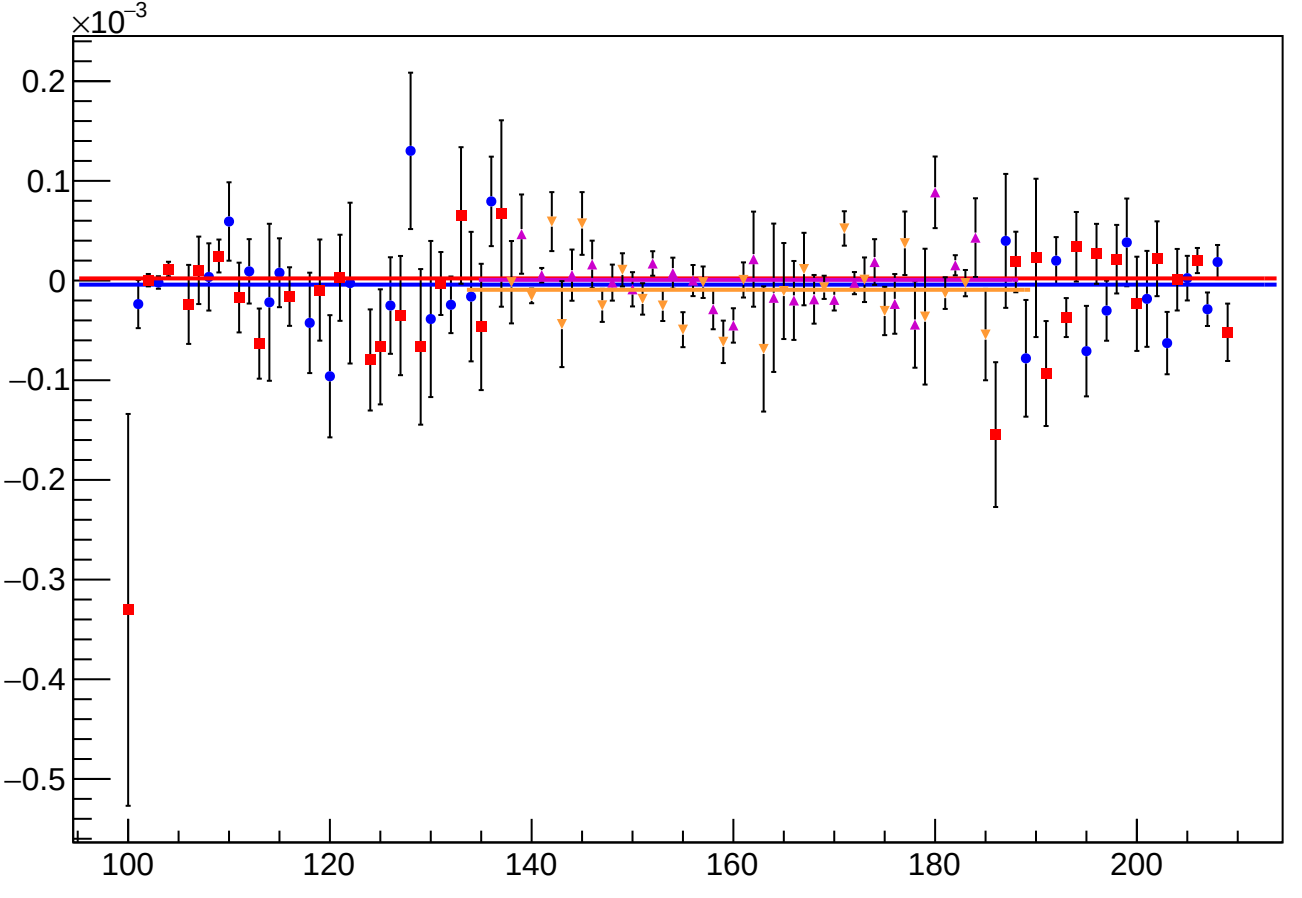
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 443.900+/-0.057 χ^2/NDF: 6945061.1/51

All: 419.147+/-0.039 χ^2/NDF: 18048118.7/10

- sign 397.893+/-0.053 χ^2/NDF: 10755034.3/54

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/31

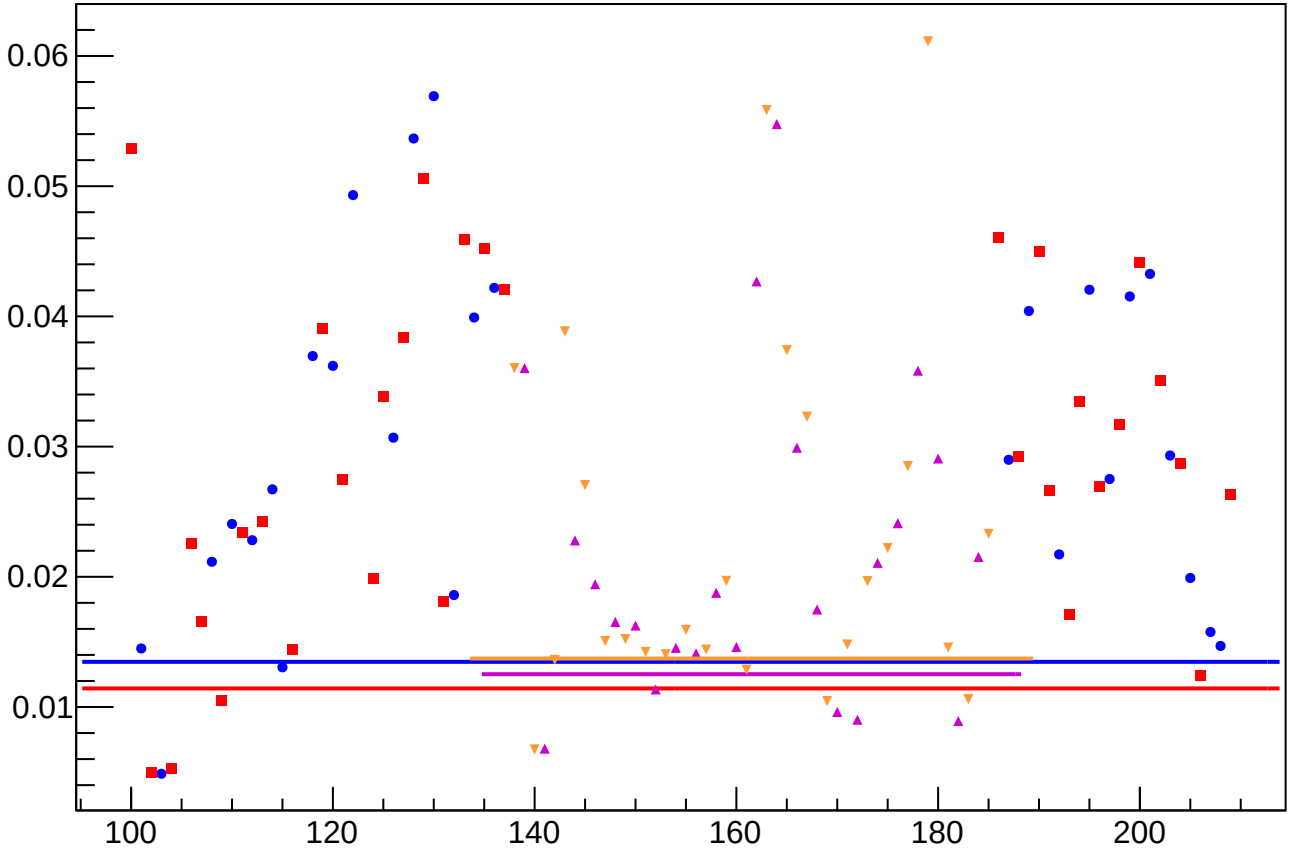
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.4/51

All: -0.000+/-0.000 χ^2/NDF: 148.2/106

- sign 0.000+/-0.000 χ^2/NDF: 68.6/54

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 12256998.1/26

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14657512.9/31

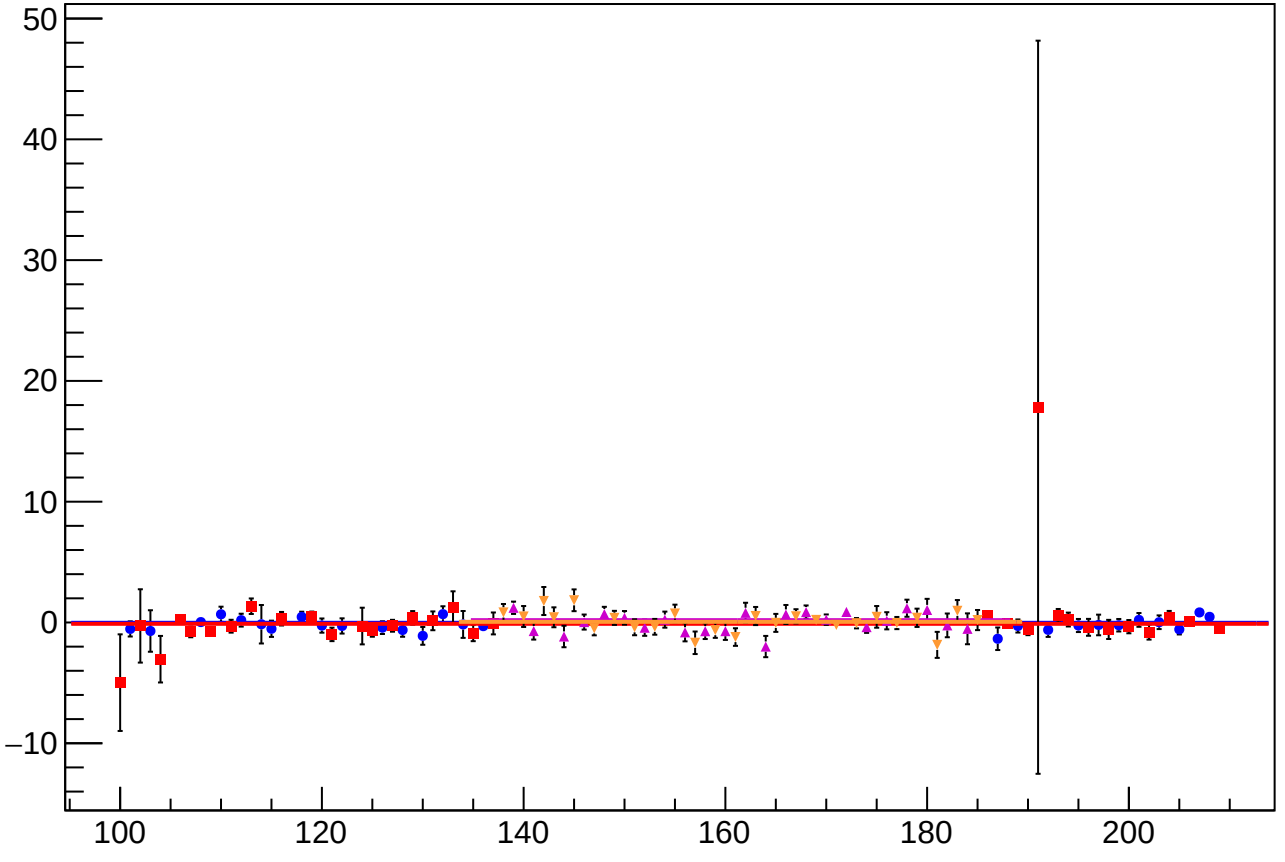
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.014+/-0.000 χ^2/NDF: 19978069.0/51

All: 0.013+/-0.000 χ^2/NDF: 42214414.0/106

- sign 0.012+/-0.000 χ^2/NDF: 21872521.9/54

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.109+/-0.091 χ^2/NDF: 35.2/31

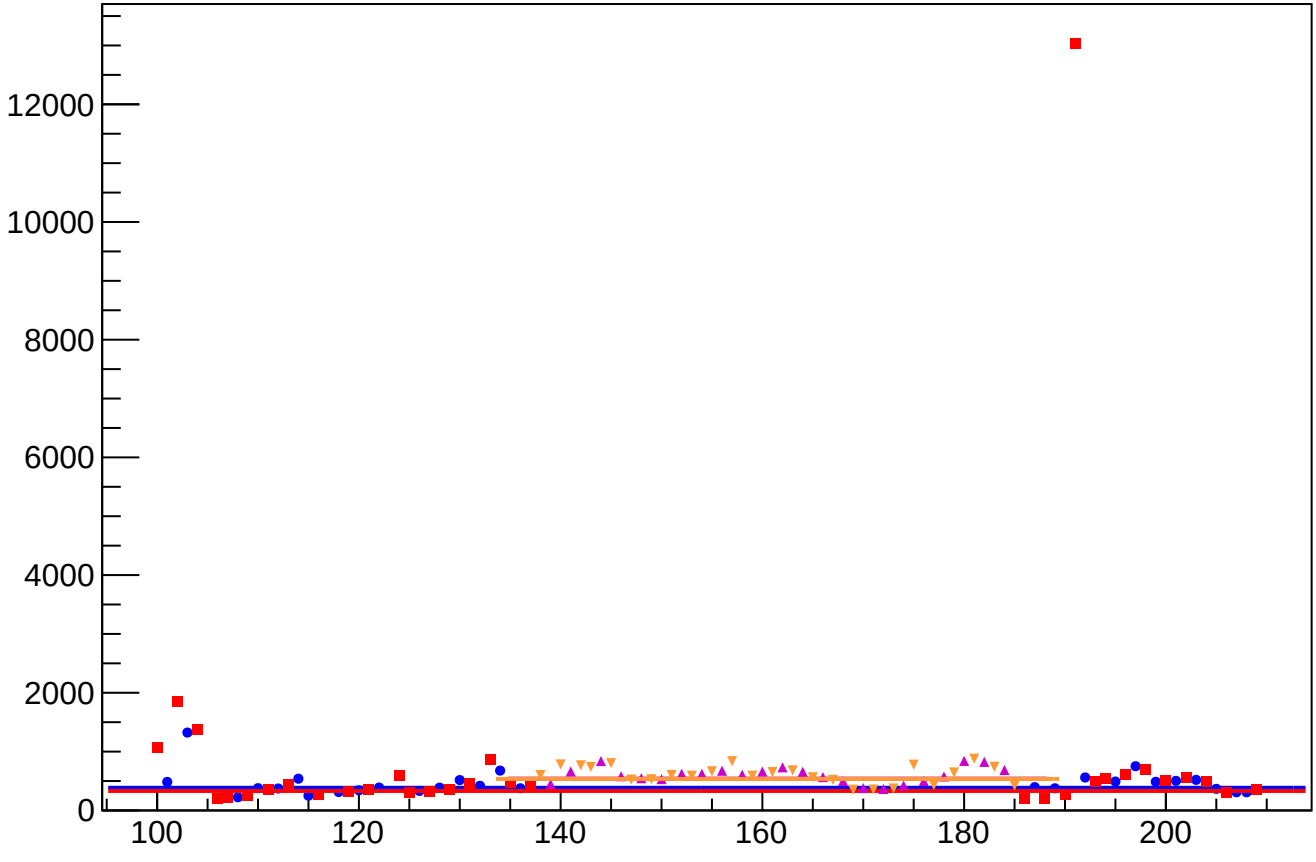
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: -0.005+/-0.055 χ^2/NDF: 118.9/106

- sign -0.014+/-0.075 χ^2/NDF: 69.9/54

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475700.8/31

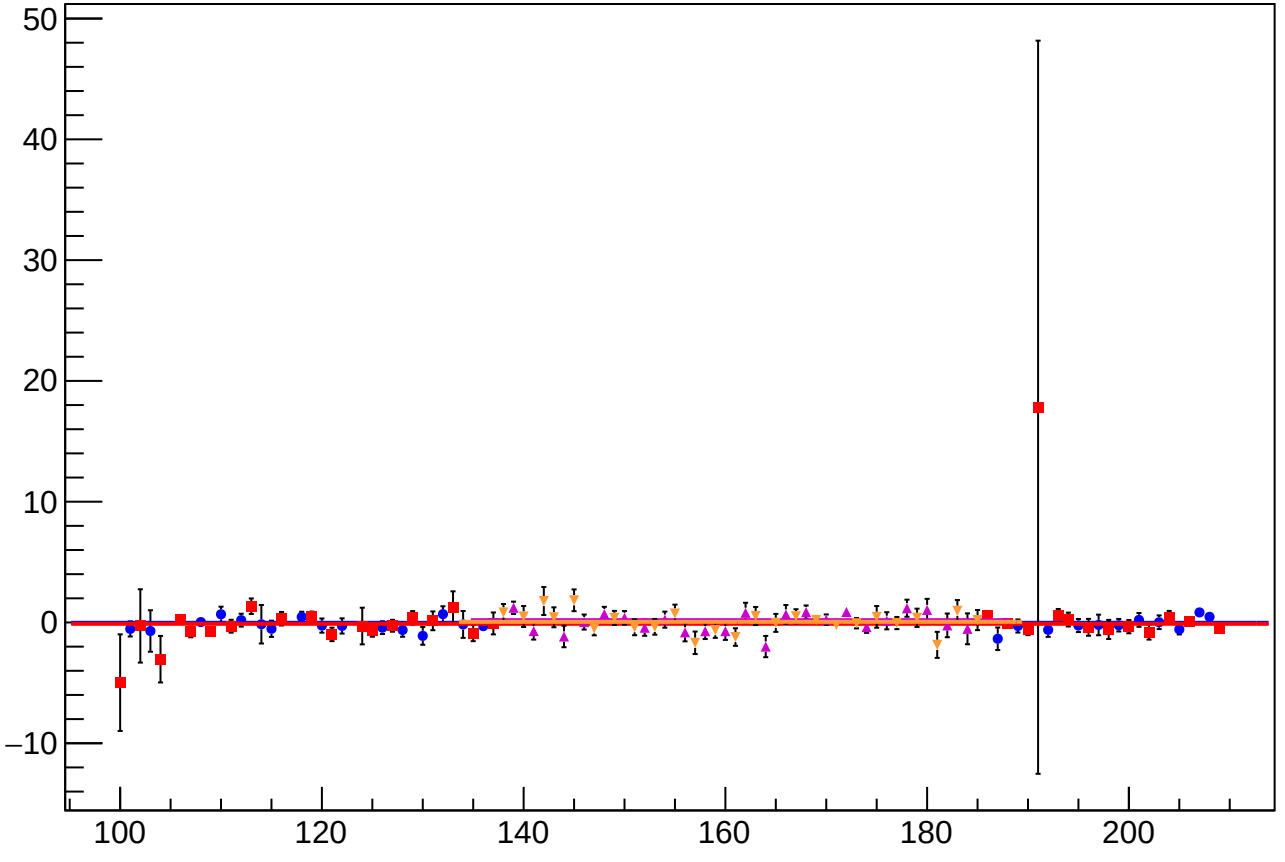
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 443.899+/-0.057 χ^2/NDF: 6945301.1/51

All: 419.148+/-0.039 χ^2/NDF: 18048466.9/10

- sign 397.894+/-0.053 χ^2/NDF: 10755165.7/54

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.109+/-0.091 χ^2/NDF: 35.2/31

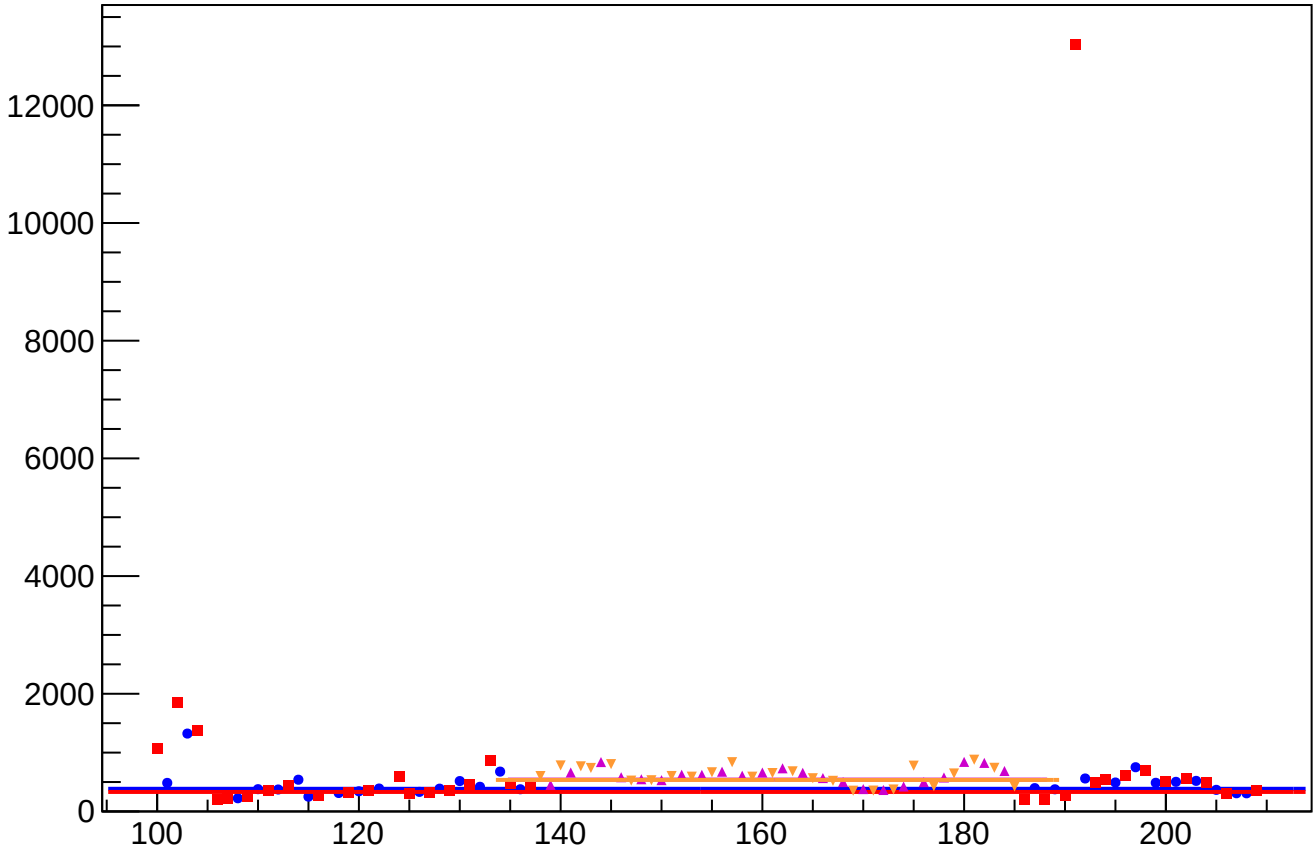
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.005+/-0.081 χ^2/NDF: 49.0/51

All: -0.005+/-0.055 χ^2/NDF: 118.9/106

- sign -0.014+/-0.075 χ^2/NDF: 69.9/54

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475700.8/31

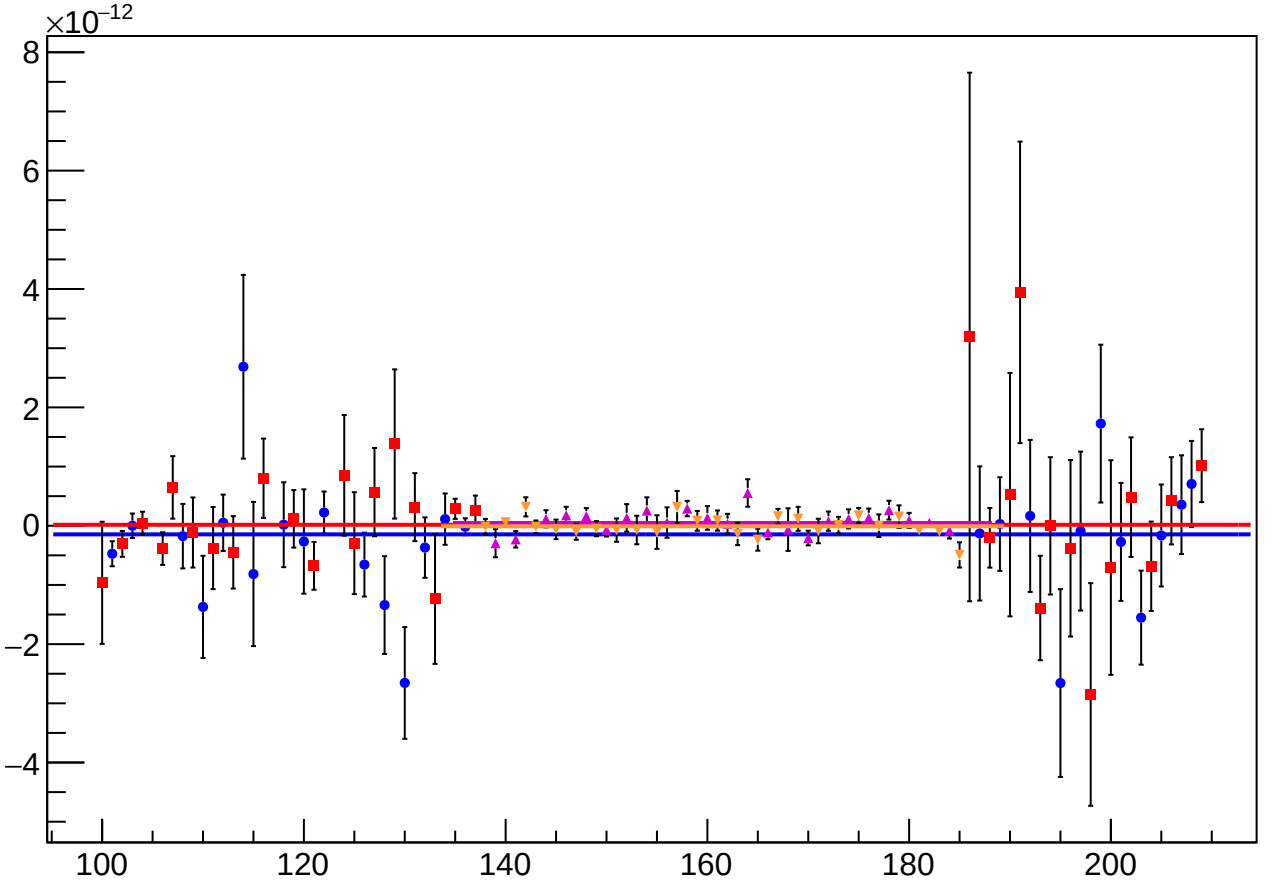
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 443.899+/-0.057 χ^2/NDF: 6945301.1/51

All: 419.148+/-0.039 χ^2/NDF: 18048466.9/10

- sign 397.894+/-0.053 χ^2/NDF: 10755165.7/54

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

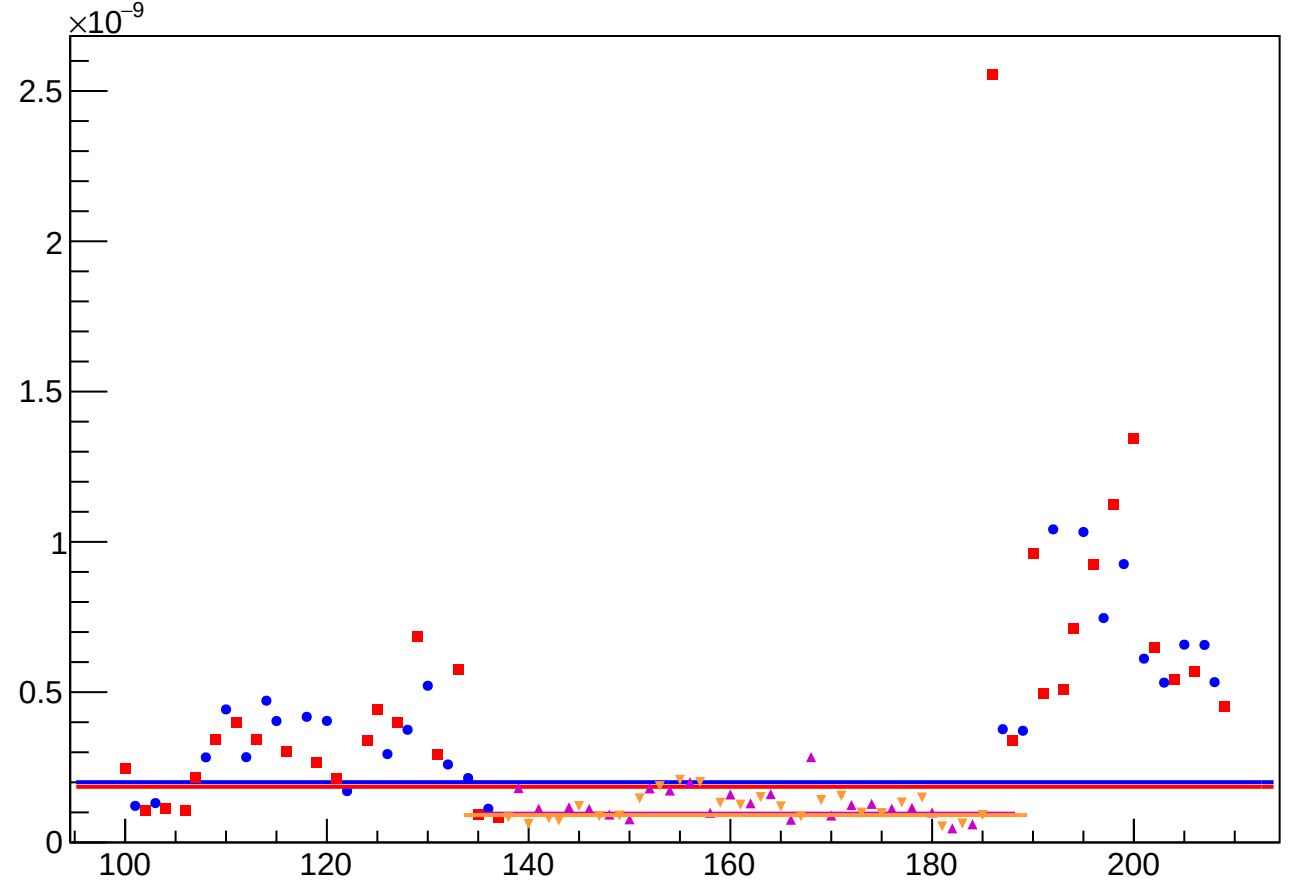
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/31

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/51

All: 0.000+/-0.000 χ^2/NDF: 118.2/106

- sign 0.000+/-0.000 χ^2/NDF: 60.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 7107875.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8558657.0/31

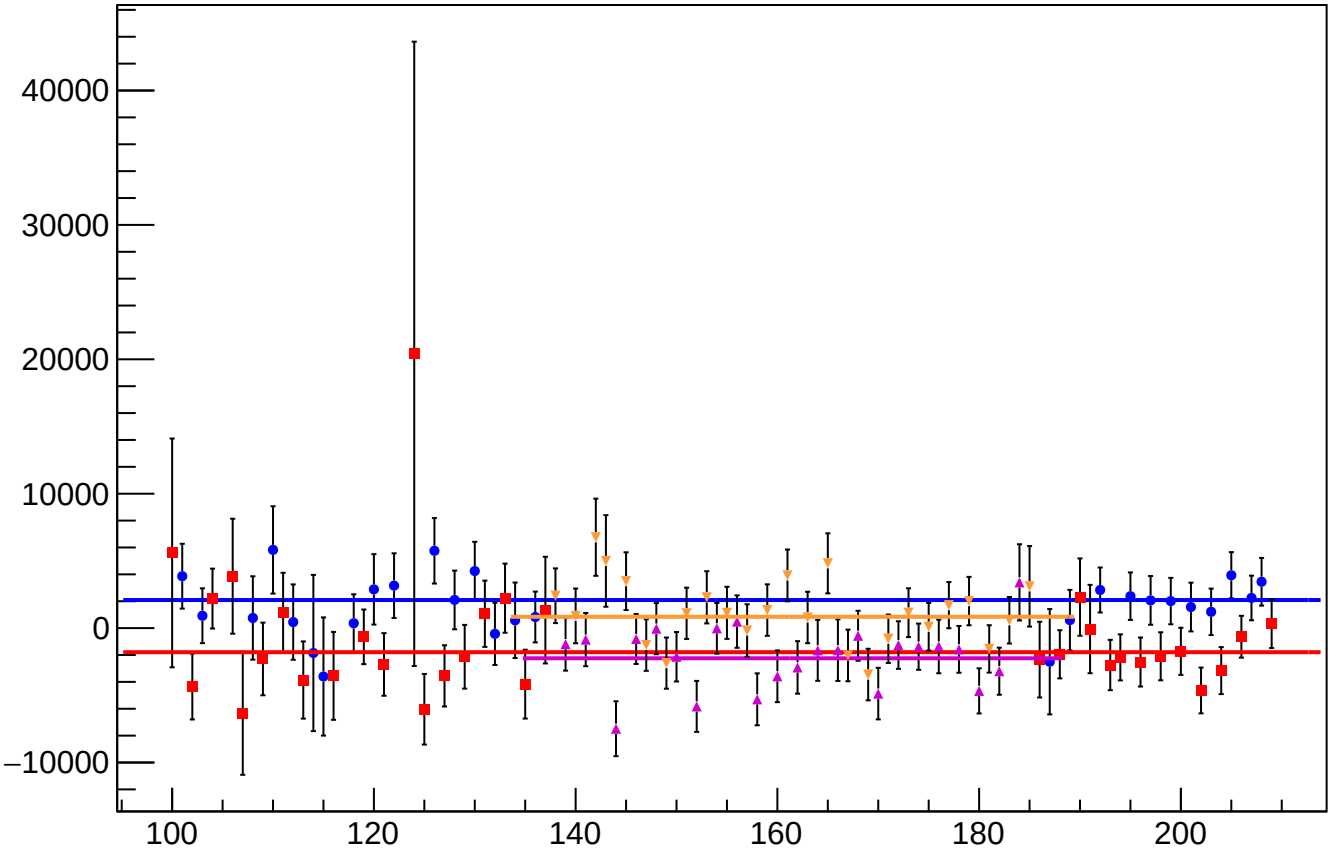
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13569780.2/51

All: 0.000+/-0.000 χ^2/NDF: 28289711.5/106

- sign 0.000+/-0.000 χ^2/NDF: 14690094.1/54

reg_asym_atl_avg_mean vs Slug



Right In: 2089.367+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1791.768+/-407.285 χ^2/NDF: 27.7/31

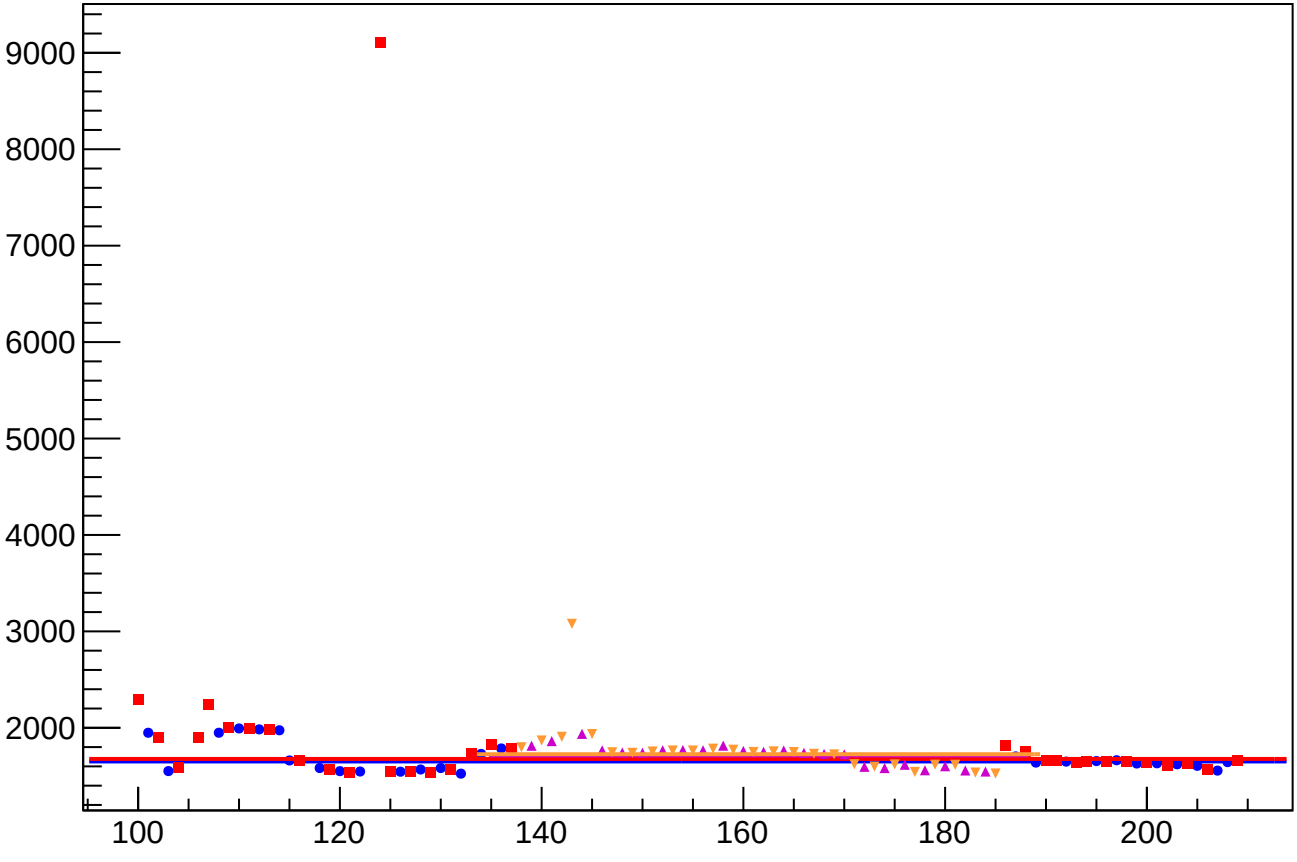
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1432.104+/-286.275 χ^2/NDF: 50.2/51

All: -298.717+/-202.208 χ^2/NDF: 180.9/106

- sign -2022.068+/-285.657 χ^2/NDF: 57.7/54

reg_asym_atl_avg_rms vs Slug



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.113+/-0.287 χ^2/NDF: 417957.6/31

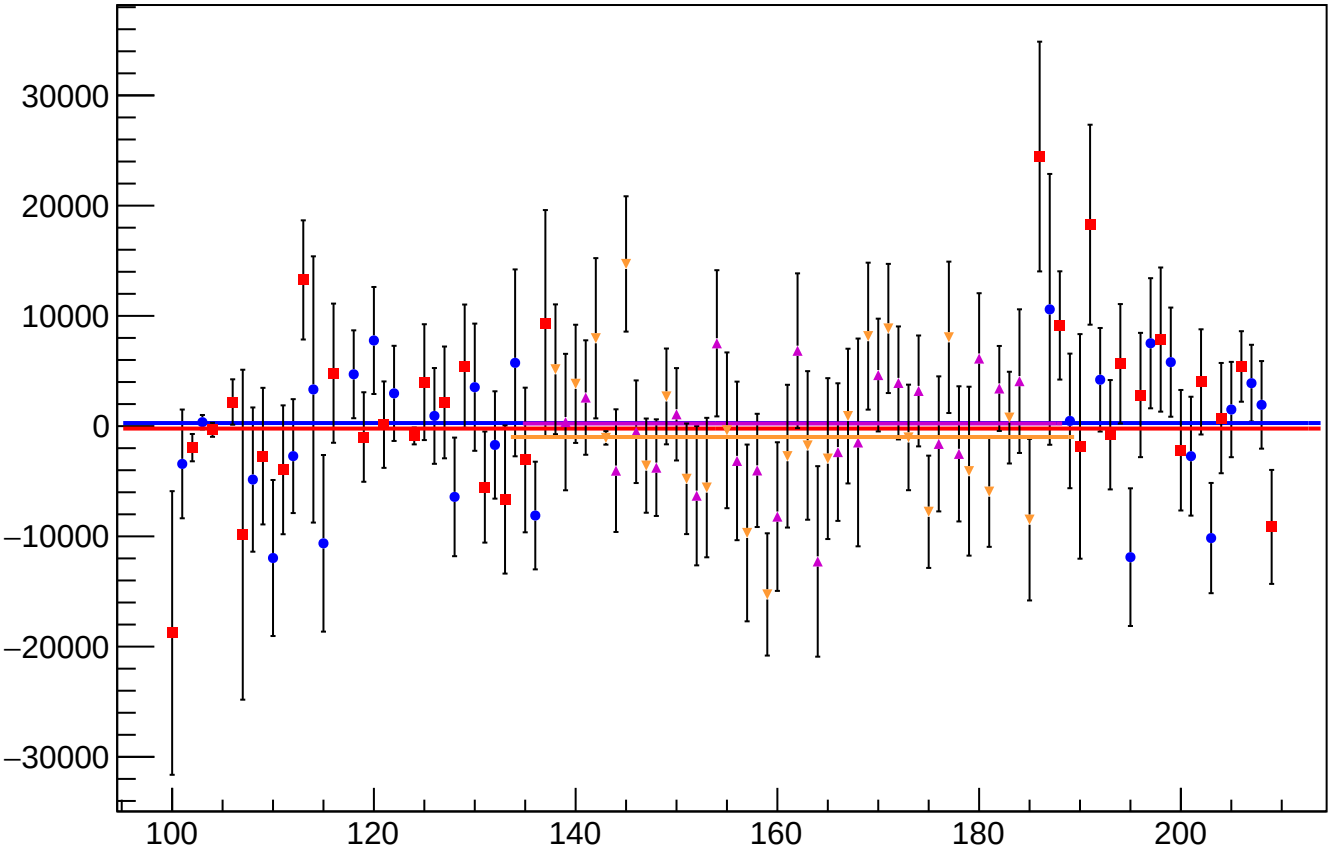
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1690.618+/-0.202 χ^2/NDF: 643919.0/51

All: 1693.012+/-0.143 χ^2/NDF: 1199419.3/10

- sign 1695.391+/-0.202 χ^2/NDF: 555221.5/54

asym_atl_avg_reg_correction_mean vs Slug



Right In: 280.331+/-550.075 χ^2/NDF: 29.8/26

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -221.275+/-408.365 χ^2/NDF: 42.5/31

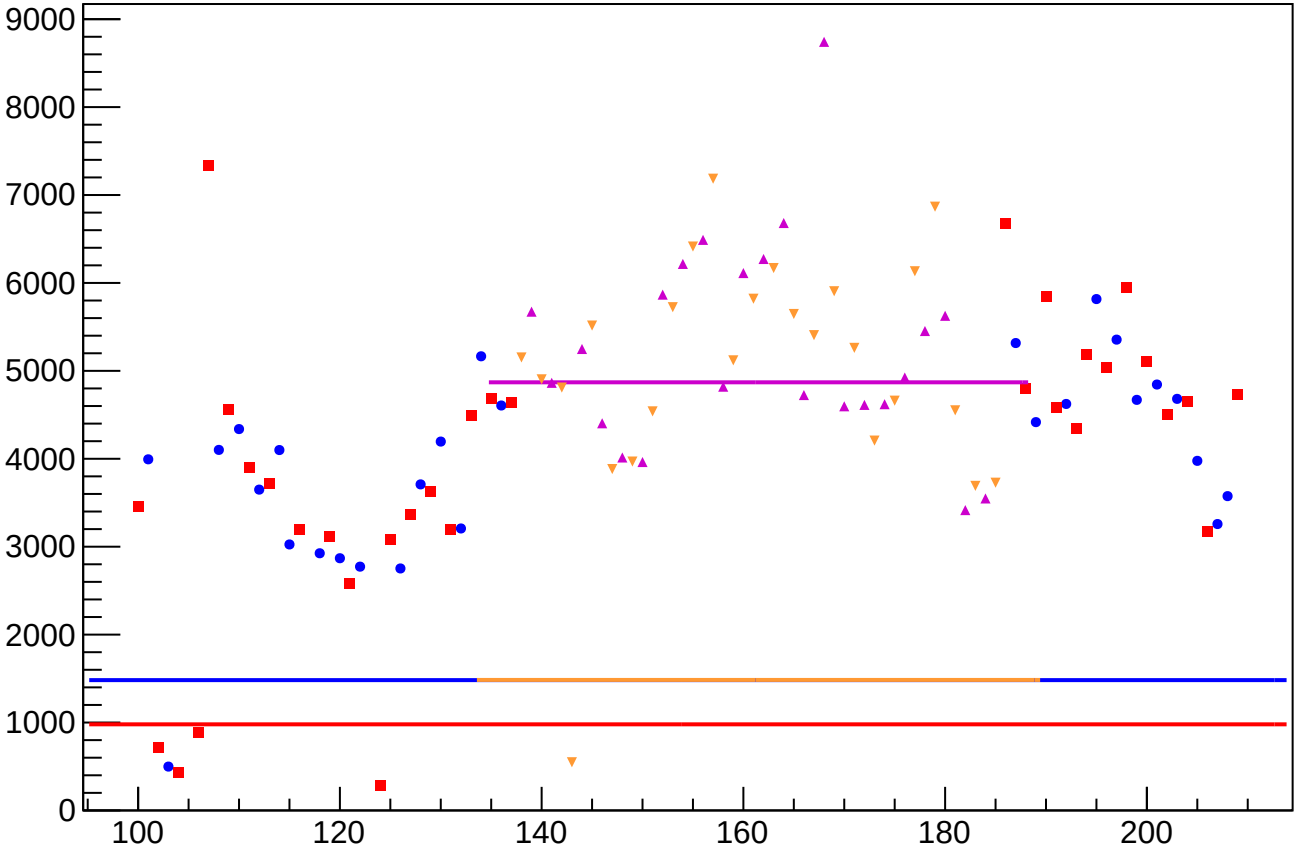
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -363.897+/-385.804 χ^2/NDF: 63.3/51

All: -267.266+/-272.653 χ^2/NDF: 119.6/106

- sign -170.849+/-385.377 χ^2/NDF: 56.2/54

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1482.408+/-0.389 χ^2/NDF: 16757412.8/26

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 979.563+/-0.289 χ^2/NDF: 21773573.2/31

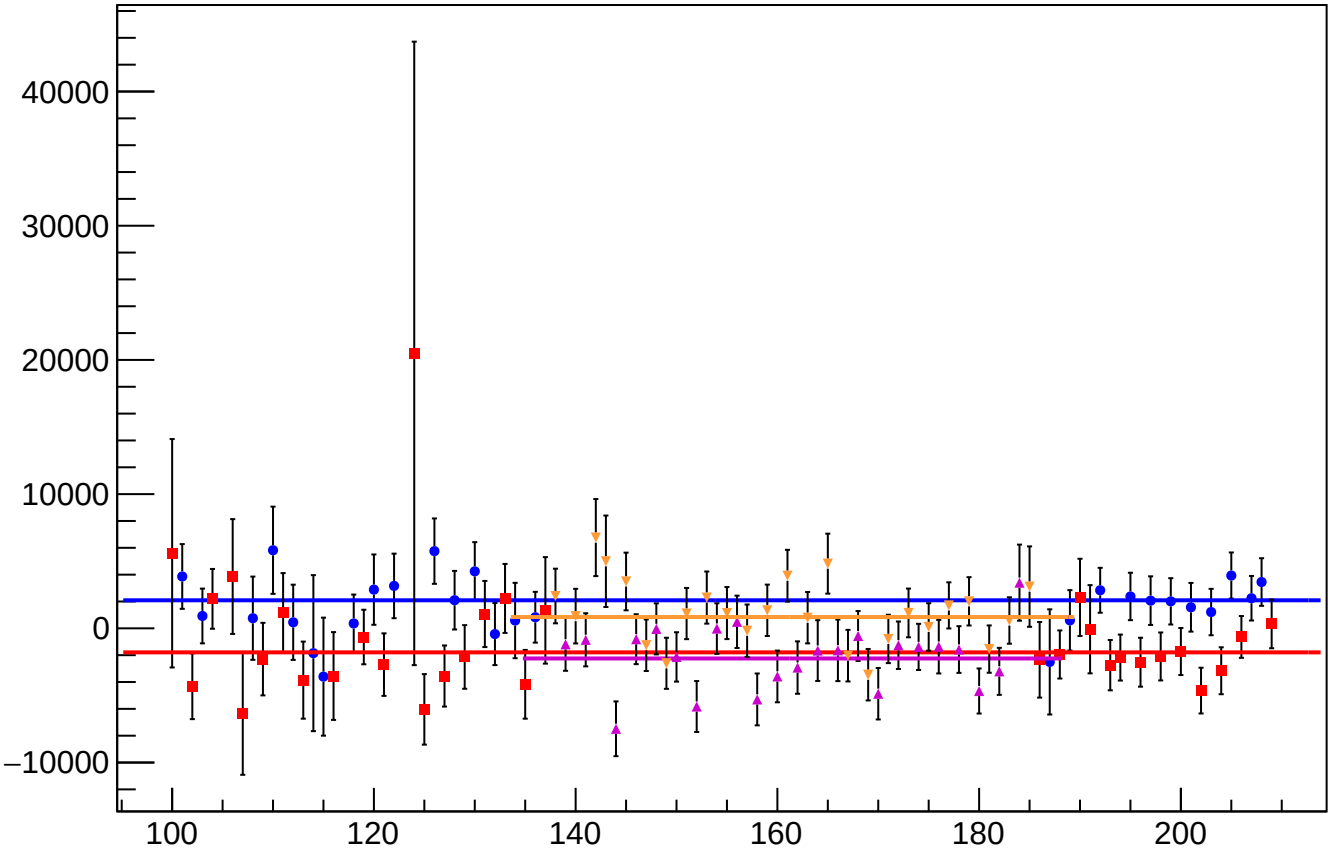
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1483.503+/-0.273 χ^2/NDF: 39982374.7/51

All: 1444.313+/-0.193 χ^2/NDF: 83130036.4/1

- sign 1405.210+/-0.273 χ^2/NDF: 43106434.2/54

cor_asym_atl_avg_mean vs Slug



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1790.785+/-407.287 χ^2/NDF: 27.6/31

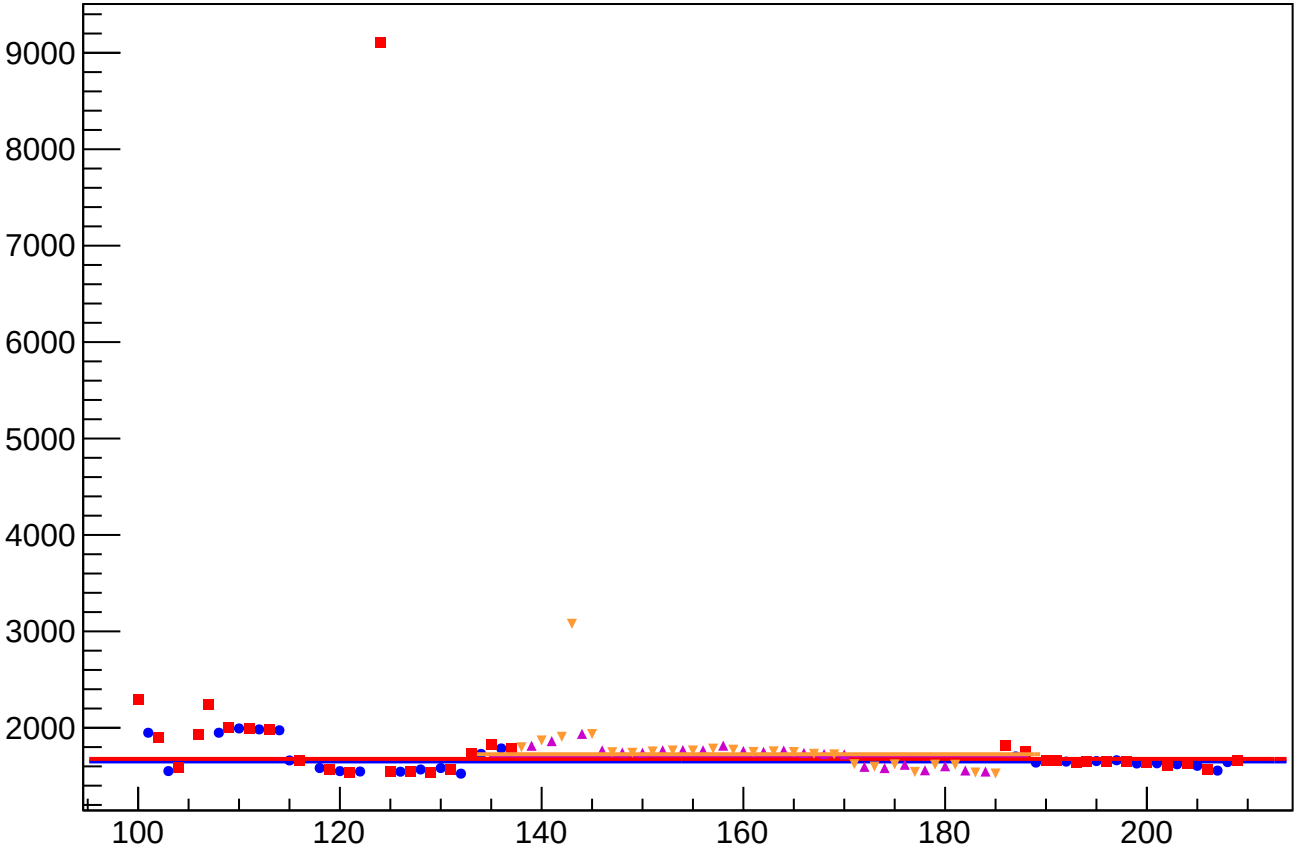
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1432.129+/-286.275 χ^2/NDF: 50.2/51

All: -298.465+/-202.208 χ^2/NDF: 180.8/106

- sign -2021.596+/-285.657 χ^2/NDF: 57.7/54

cor_asym_atl_avg_rms vs Slug



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.434+/-0.288 χ^2/NDF: 420030.7/31

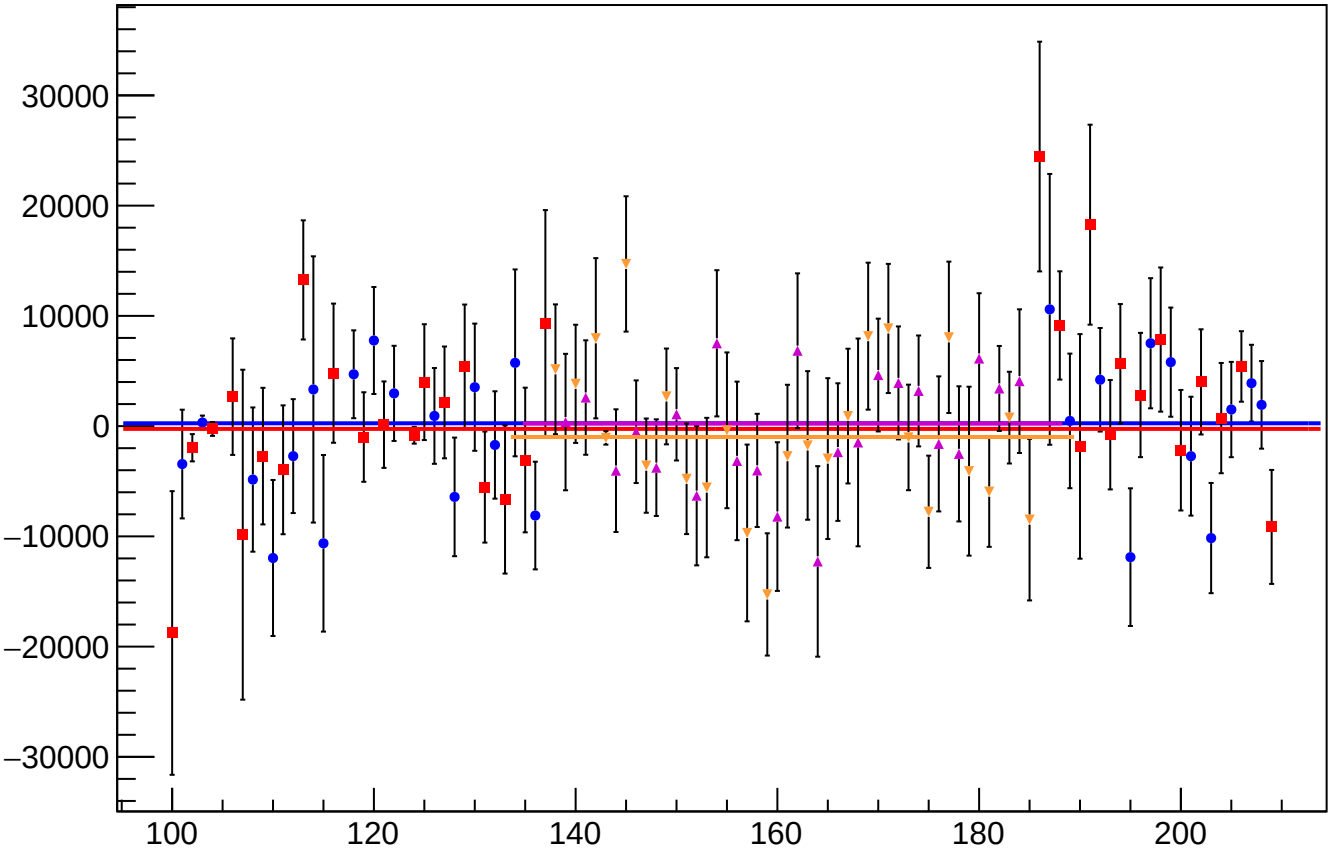
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1690.618+/-0.202 χ^2/NDF: 643919.1/51

All: 1693.093+/-0.143 χ^2/NDF: 1201368.8/10

- sign 1695.553+/-0.202 χ^2/NDF: 557151.7/54

asym_atl_avg_cor_correction_mean vs Slug



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -250.856+/-413.544 χ^2/NDF: 41.3/31

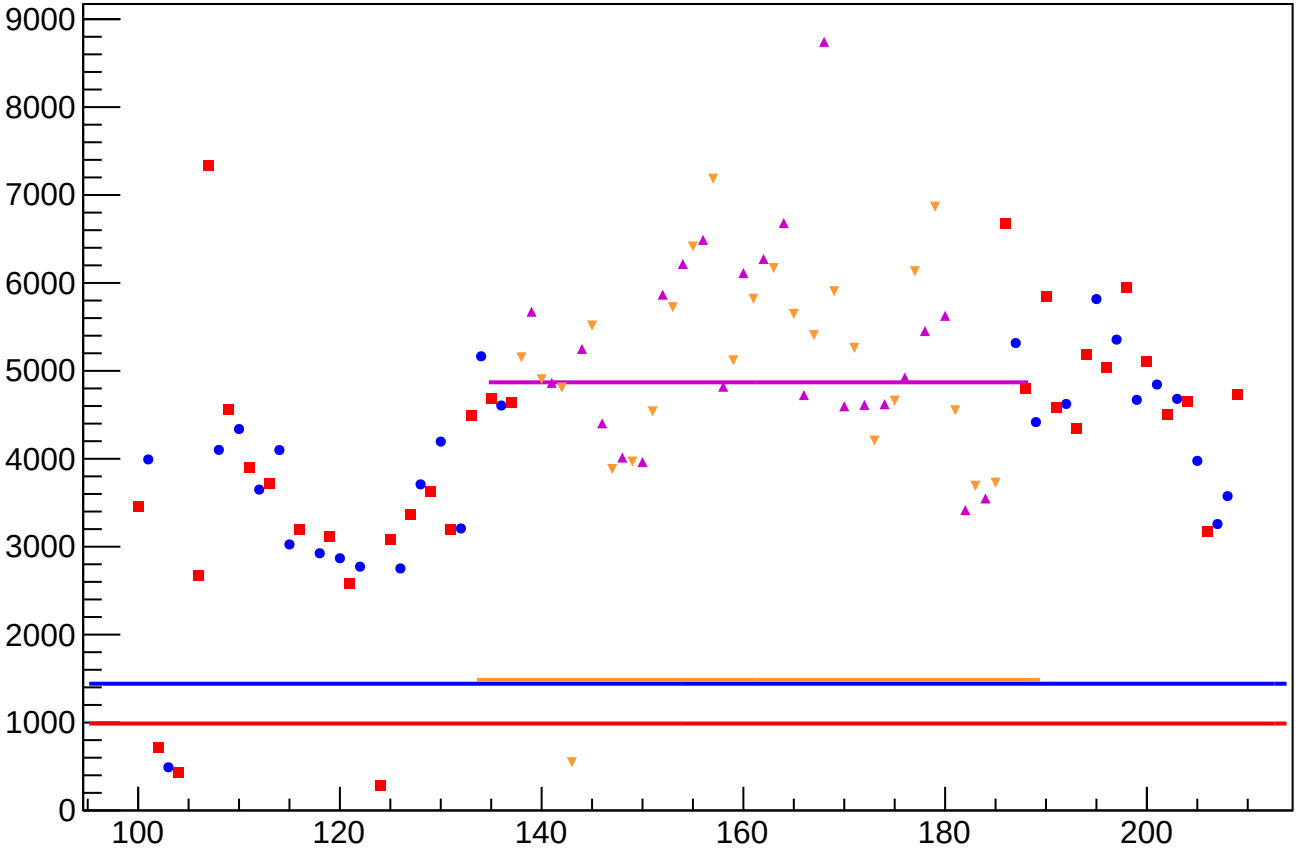
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -363.717+/-382.338 χ^2/NDF: 63.3/51

All: -281.456+/-272.927 χ^2/NDF: 118.3/106

- sign -195.988+/-389.721 χ^2/NDF: 55.0/54

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

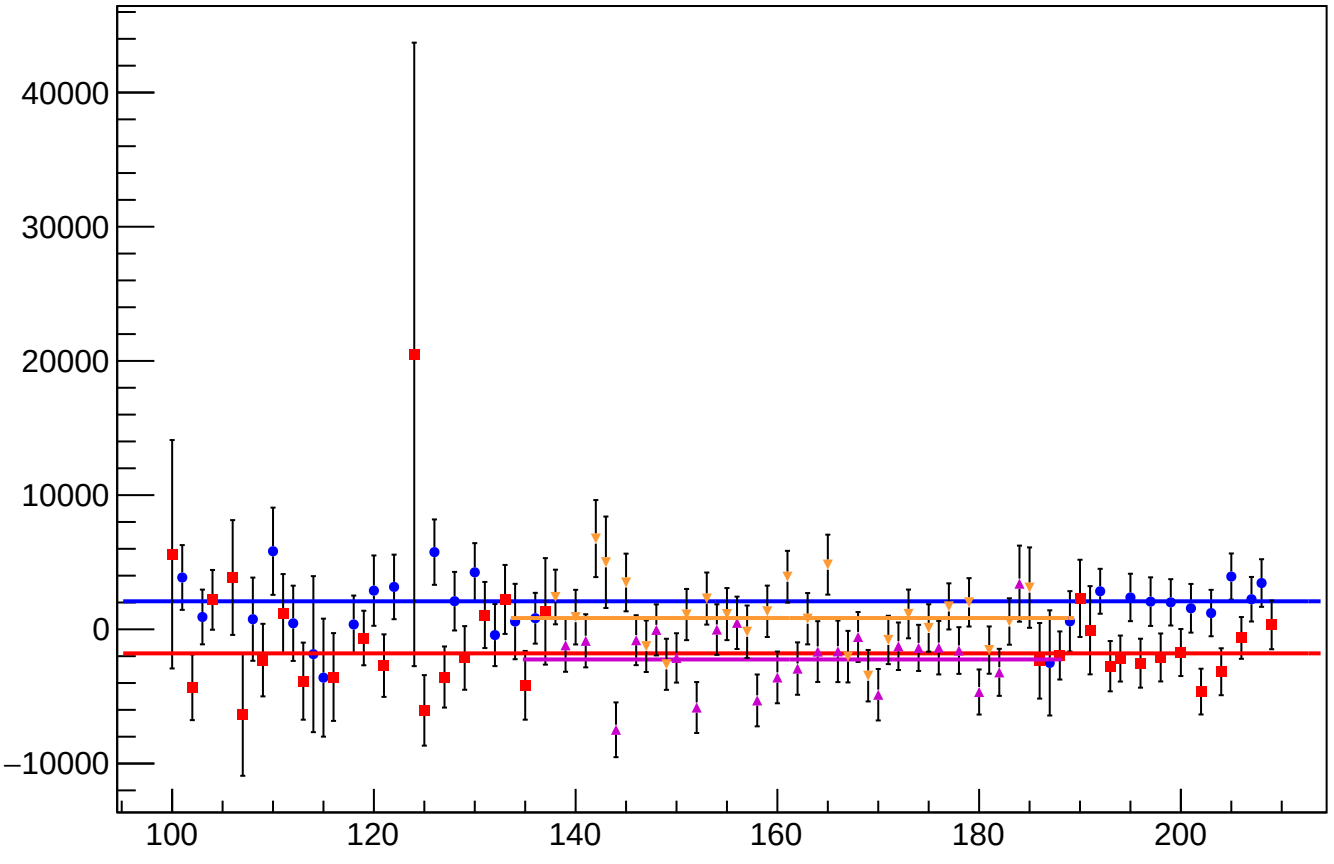
Right Out: 988.614+/-0.292 χ^2/NDF: 22015119.7/31

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1462.963+/-0.270 χ^2/NDF: 40293035.6/51

All: 1443.314+/-0.193 χ^2/NDF: 83504423.7/1

- sign 1422.898+/-0.276 χ^2/NDF: 43200617.3/54



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1790.785+/-407.287 χ^2/NDF: 27.6/31

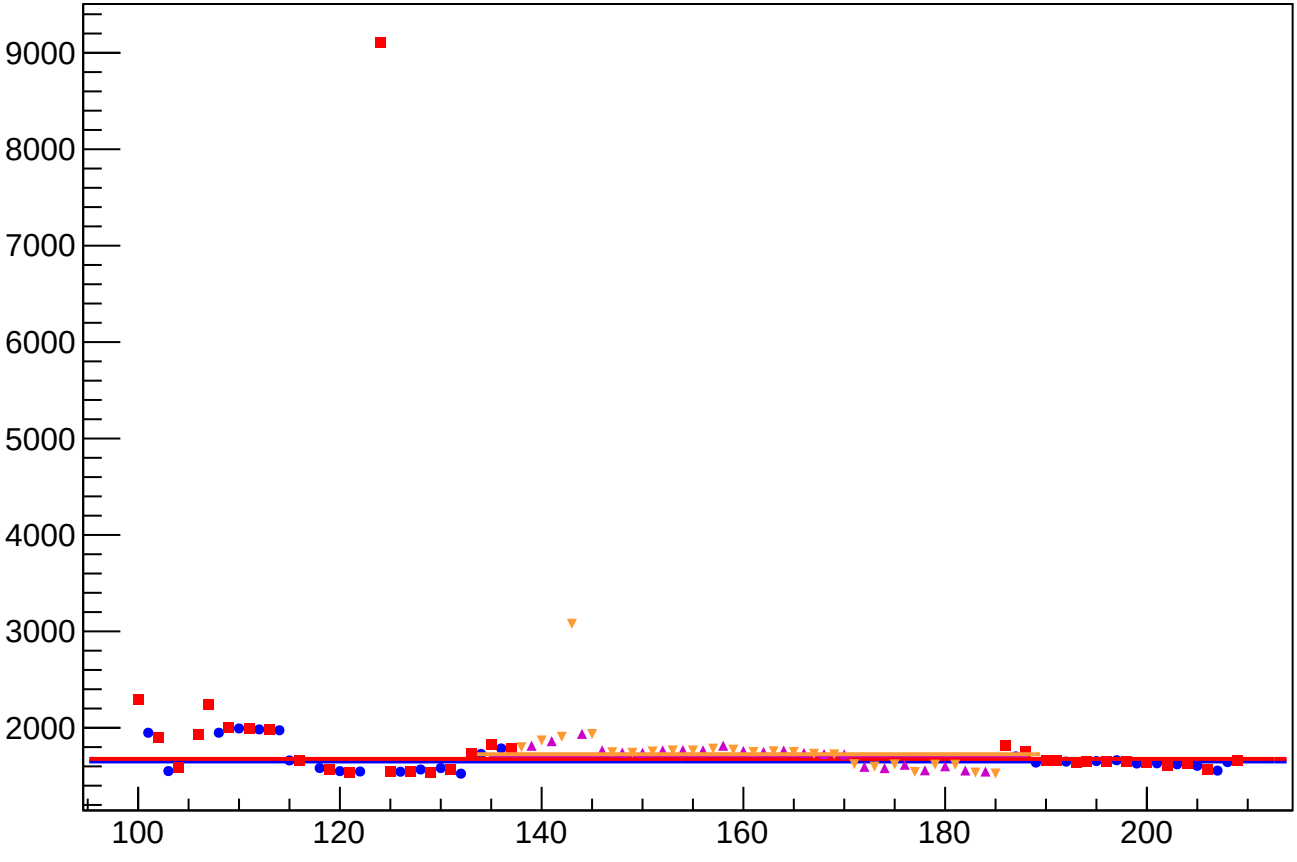
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1432.129+/-286.275 χ^2/NDF: 50.2/51

All: -298.465+/-202.208 χ^2/NDF: 180.8/106

- sign -2021.596+/-285.657 χ^2/NDF: 57.7/54

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

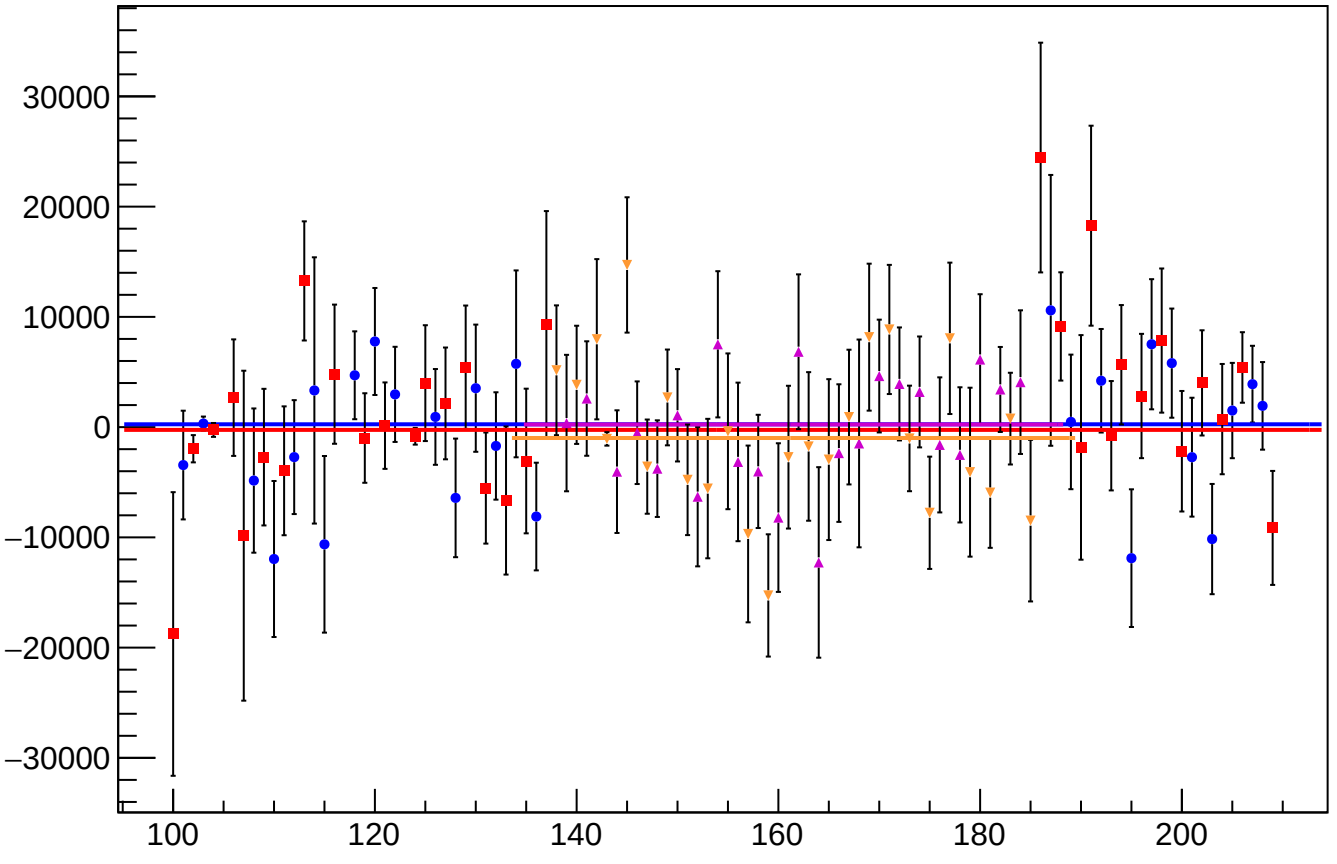
Right Out: 1677.434+/-0.288 χ^2/NDF: 420030.7/31

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1690.618+/-0.202 χ^2/NDF: 643919.1/51

All: 1693.093+/-0.143 χ^2/NDF: 1201368.8/10

- sign 1695.553+/-0.202 χ^2/NDF: 557151.7/54



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -250.856+/-413.544 χ^2/NDF: 41.3/31

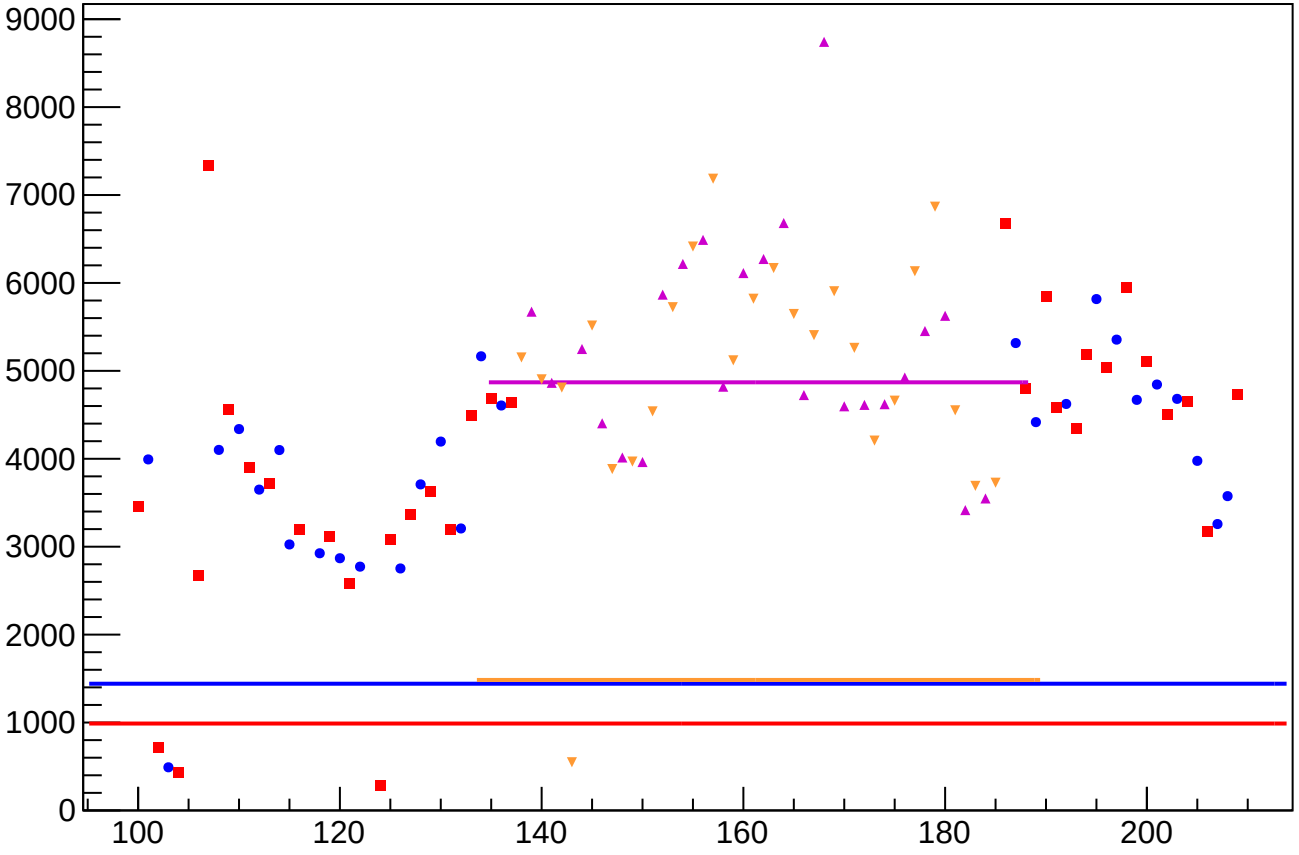
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -363.717+/-382.338 χ^2/NDF: 63.3/51

All: -281.456+/-272.927 χ^2/NDF: 118.3/106

- sign -195.988+/-389.721 χ^2/NDF: 55.0/54

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 988.614+/-0.292 χ^2/NDF: 22015119.7/31

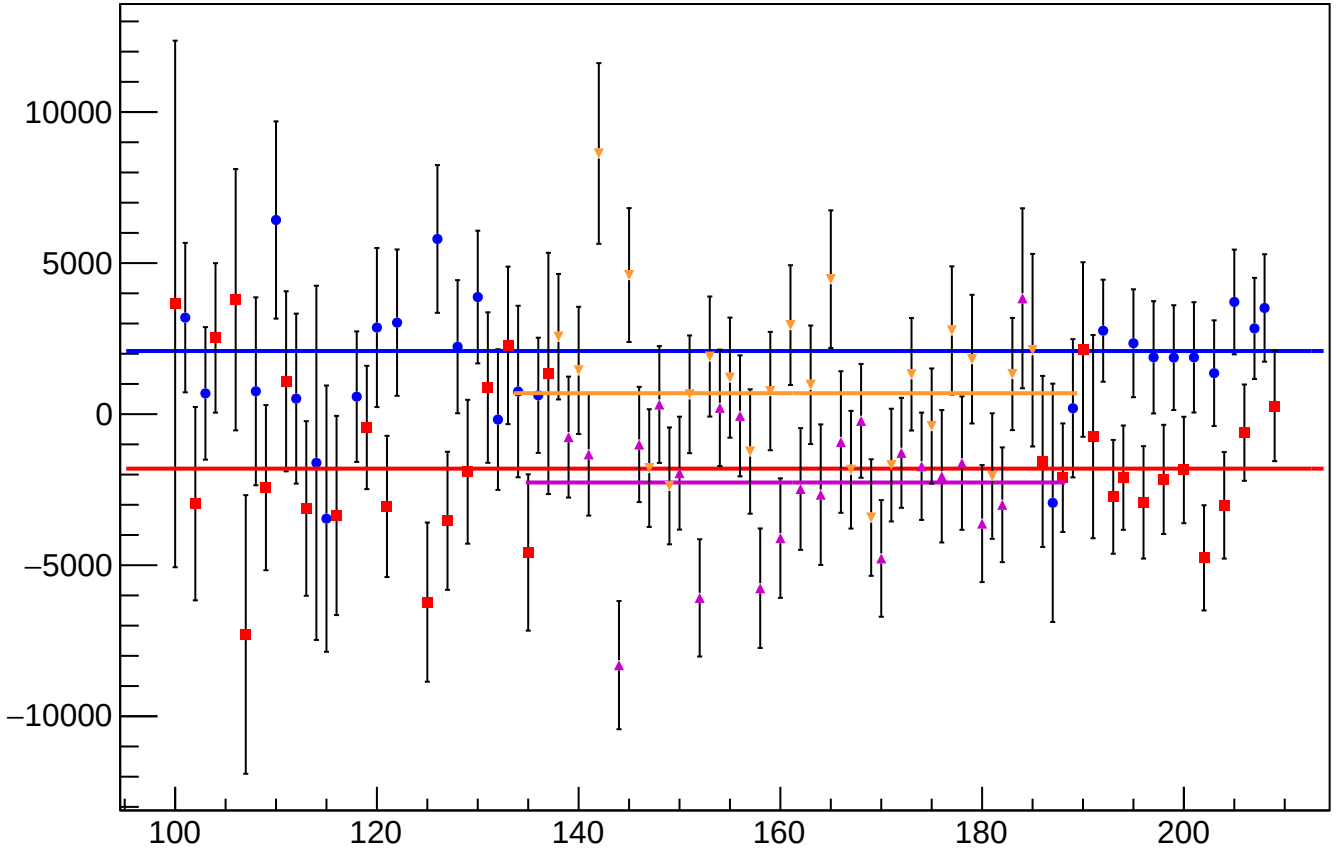
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1462.963+/-0.270 χ^2/NDF: 40293035.6/51

All: 1443.314+/-0.193 χ^2/NDF: 83504423.7/1

- sign 1422.898+/-0.276 χ^2/NDF: 43200617.3/54

dit_asym_atl_avg_mean vs Slug



Right In: 2089.935+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1803.279+/-414.784 χ^2/NDF: 25.5/30

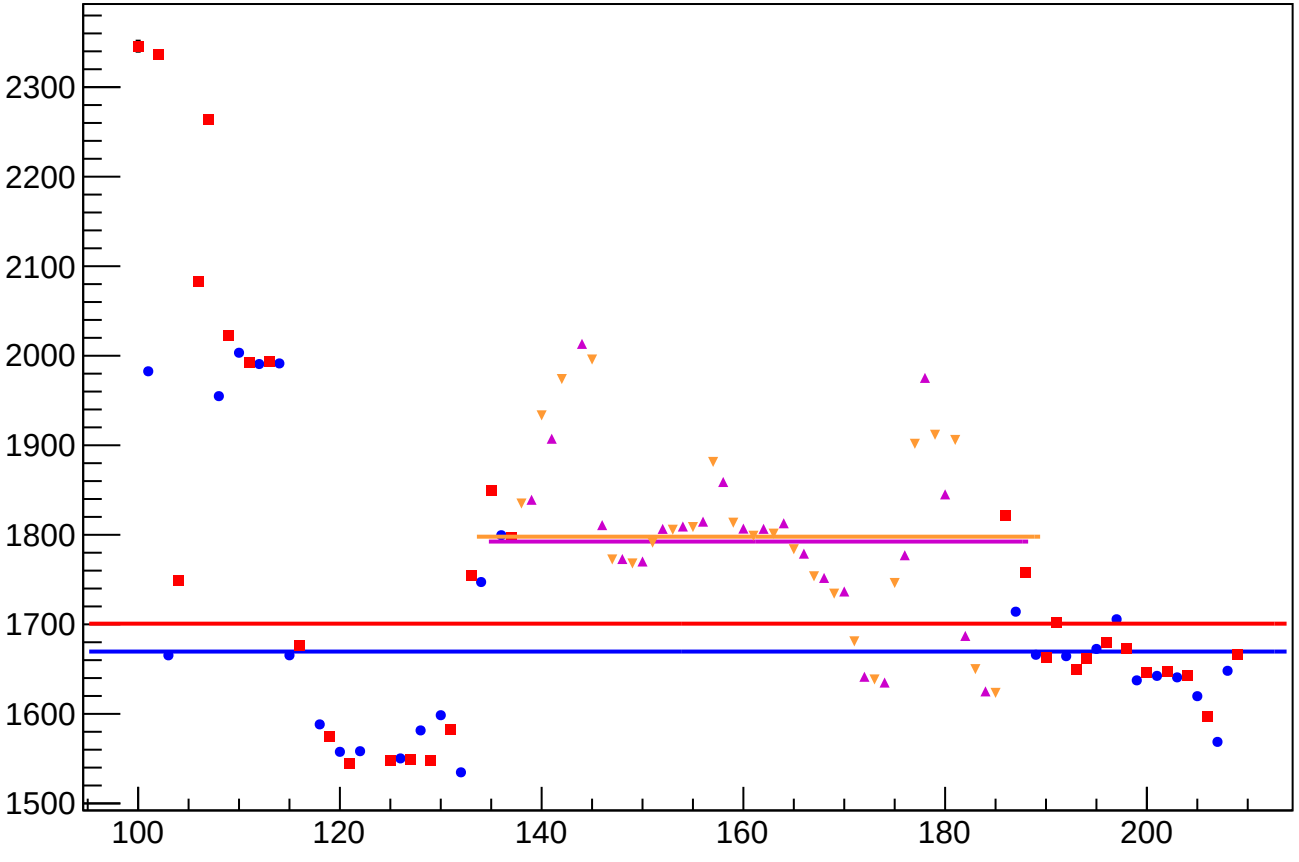
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1387.311+/-296.625 χ^2/NDF: 52.5/50

All: -331.725+/-209.110 χ^2/NDF: 175.7/104

- sign -2030.108+/-294.837 χ^2/NDF: 56.5/53

dit_asym_atl_avg_rms vs Slug



Right In: 1669.602+/-0.298 χ^2/NDF: 152016.9/26

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

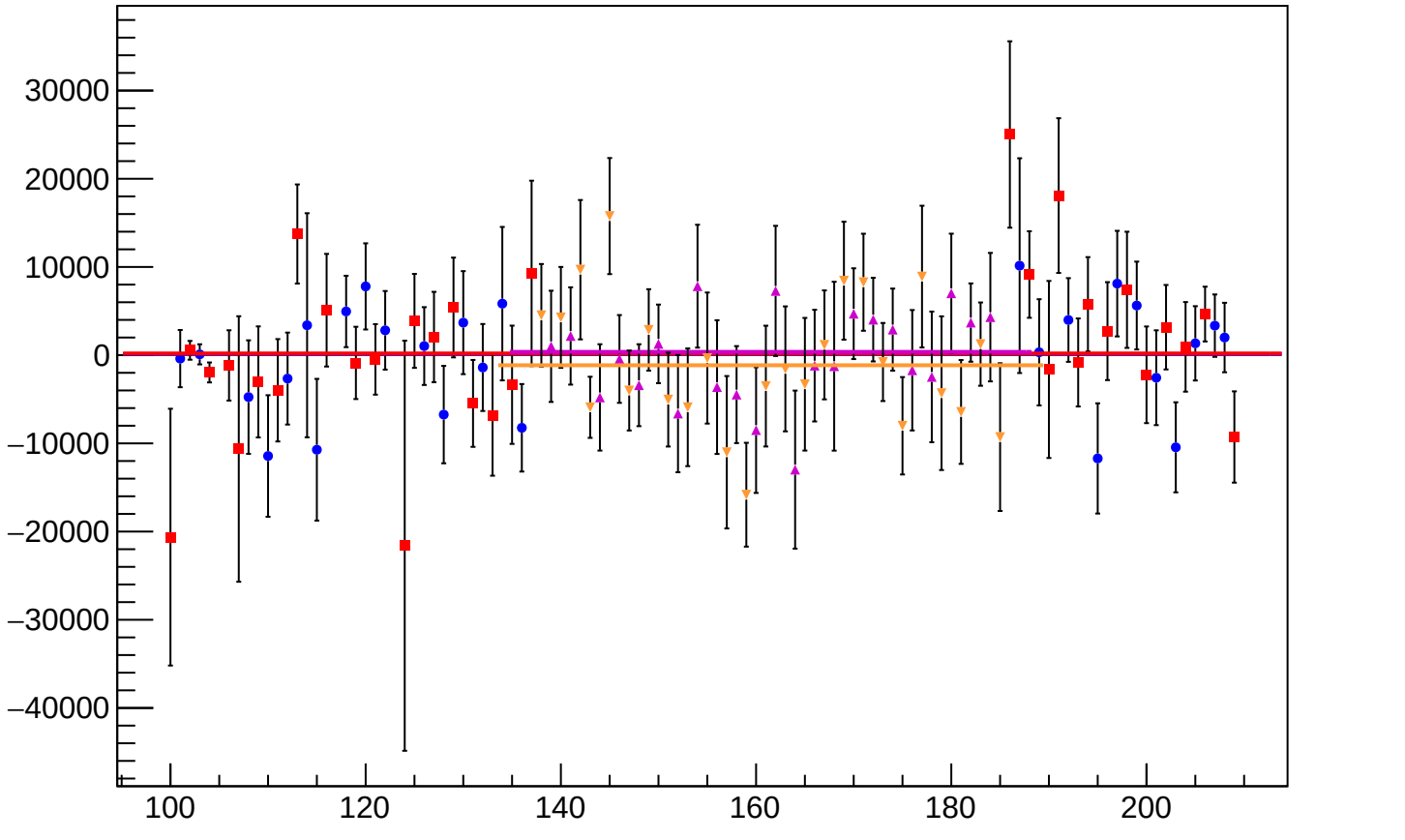
Right Out: 1700.756+/-0.293 χ^2/NDF: 284511.3/30

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1734.198+/-0.210 χ^2/NDF: 343568.2/50

All: 1740.177+/-0.148 χ^2/NDF: 770967.7/104

- sign 1746.079+/-0.208 χ^2/NDF: 425784.8/53



Right In: 126.242+/-750.648 χ^2/NDF: 28.8/26

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 187.214+/-616.775 χ^2/NDF: 41.0/31

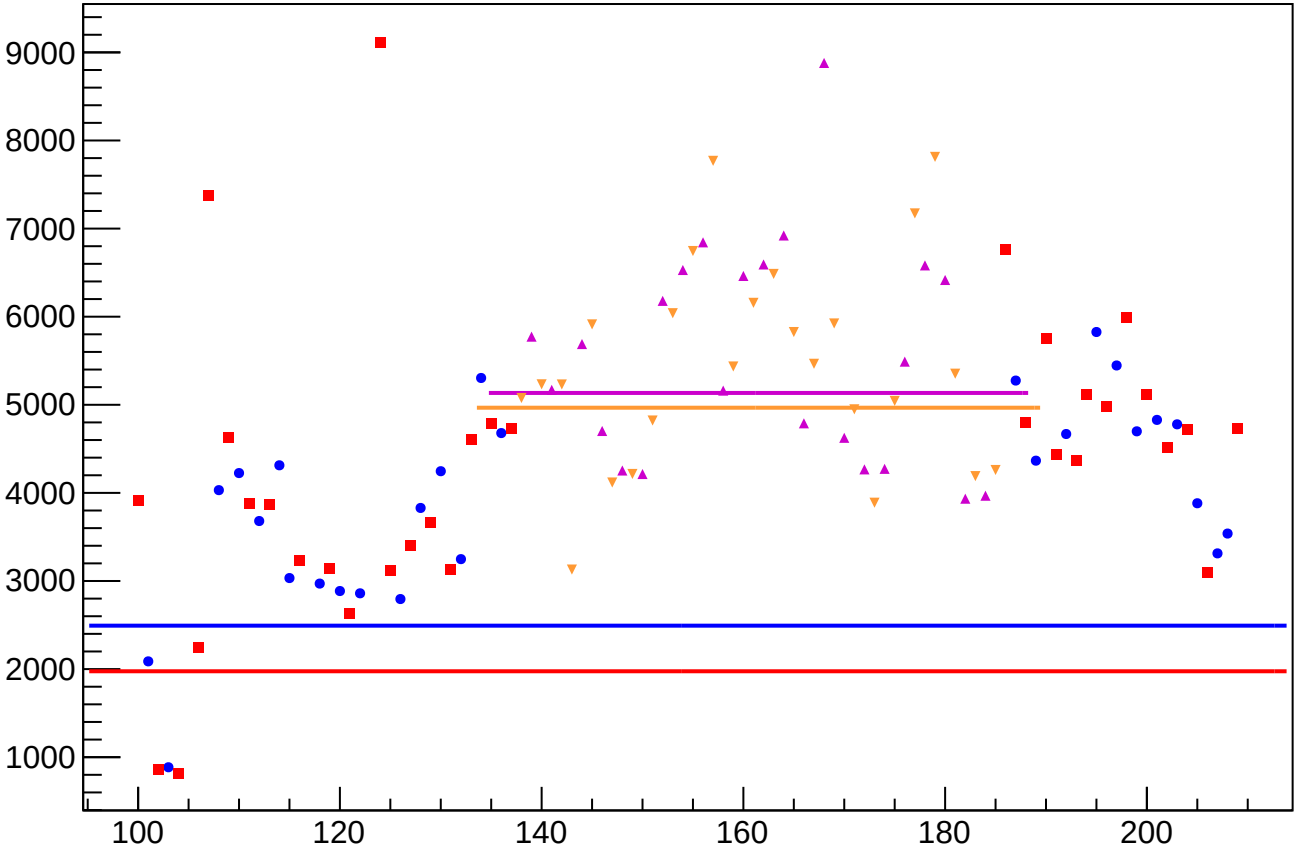
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -246.771+/-630.919 χ^2/NDF: 62.2/51

All: 20.772+/-415.109 χ^2/NDF: 116.8/106

\- sign 224.994+/-551.225 χ^2/NDF: 54.3/54

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2492.978+/-0.531 χ^2/NDF: 8809305.8/26

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1975.339+/-0.436 χ^2/NDF: 13849349.5/31

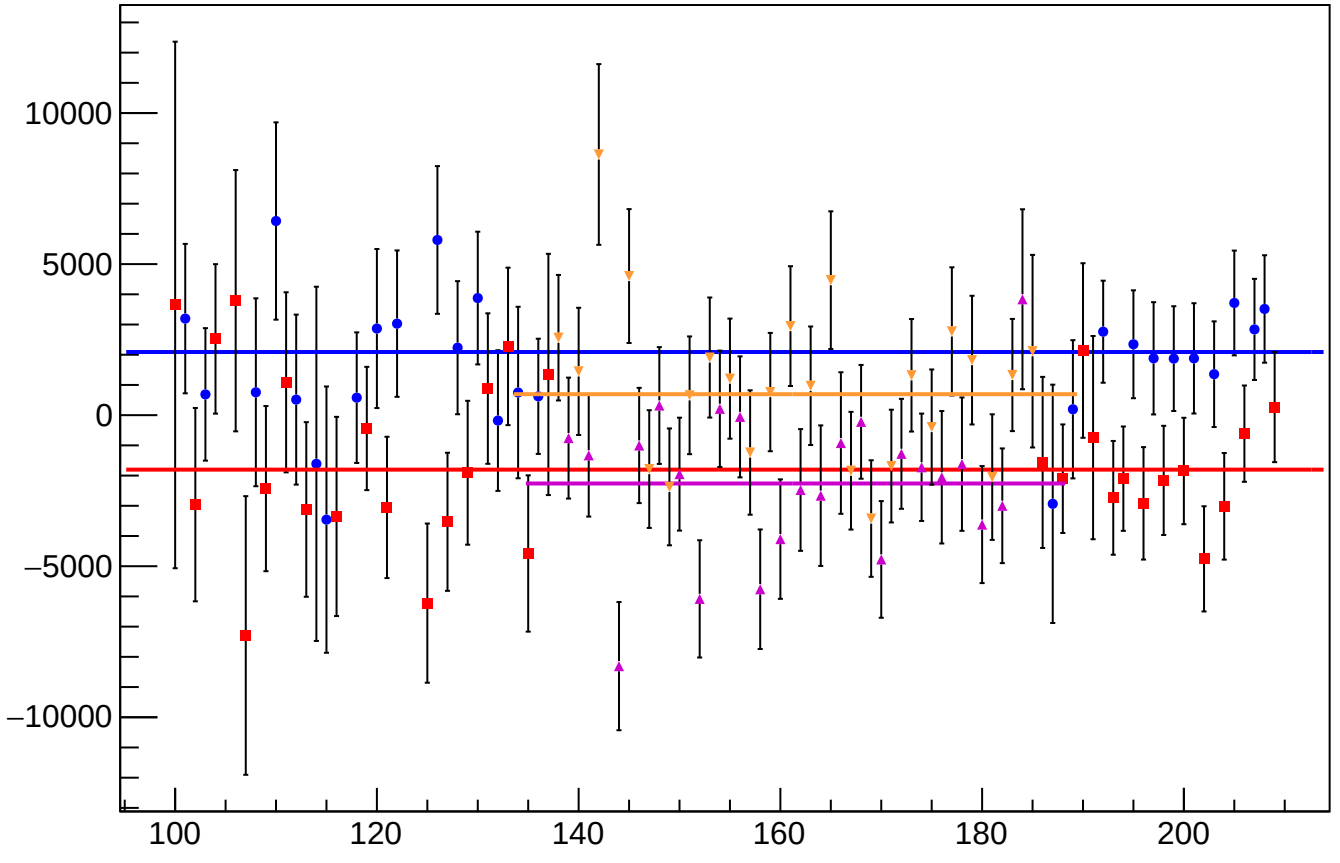
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3219.219+/-0.446 χ^2/NDF: 17104315.7/51

All: 2874.379+/-0.294 χ^2/NDF: 44054444.5/1

- sign 2611.153+/-0.390 χ^2/NDF: 25896584.8/54

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2089.932+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1803.276+/-414.784 χ^2/NDF: 25.5/30

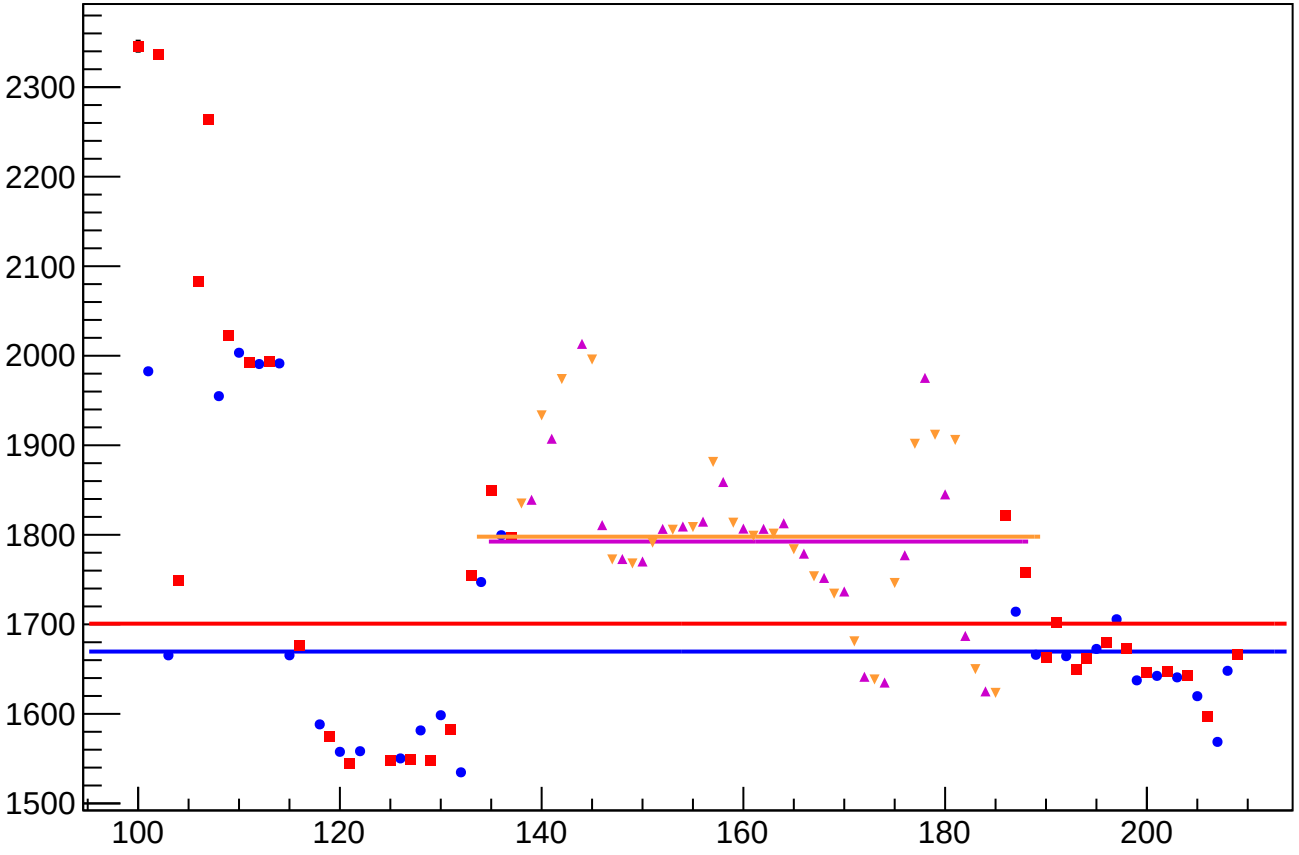
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1387.308+/-296.625 χ^2/NDF: 52.5/50

All: -331.726+/-209.111 χ^2/NDF: 175.7/104

- sign -2030.106+/-294.837 χ^2/NDF: 56.5/53

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1669.602+/-0.298 χ^2/NDF: 152017.1/26

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1700.755+/-0.293 χ^2/NDF: 284510.7/30

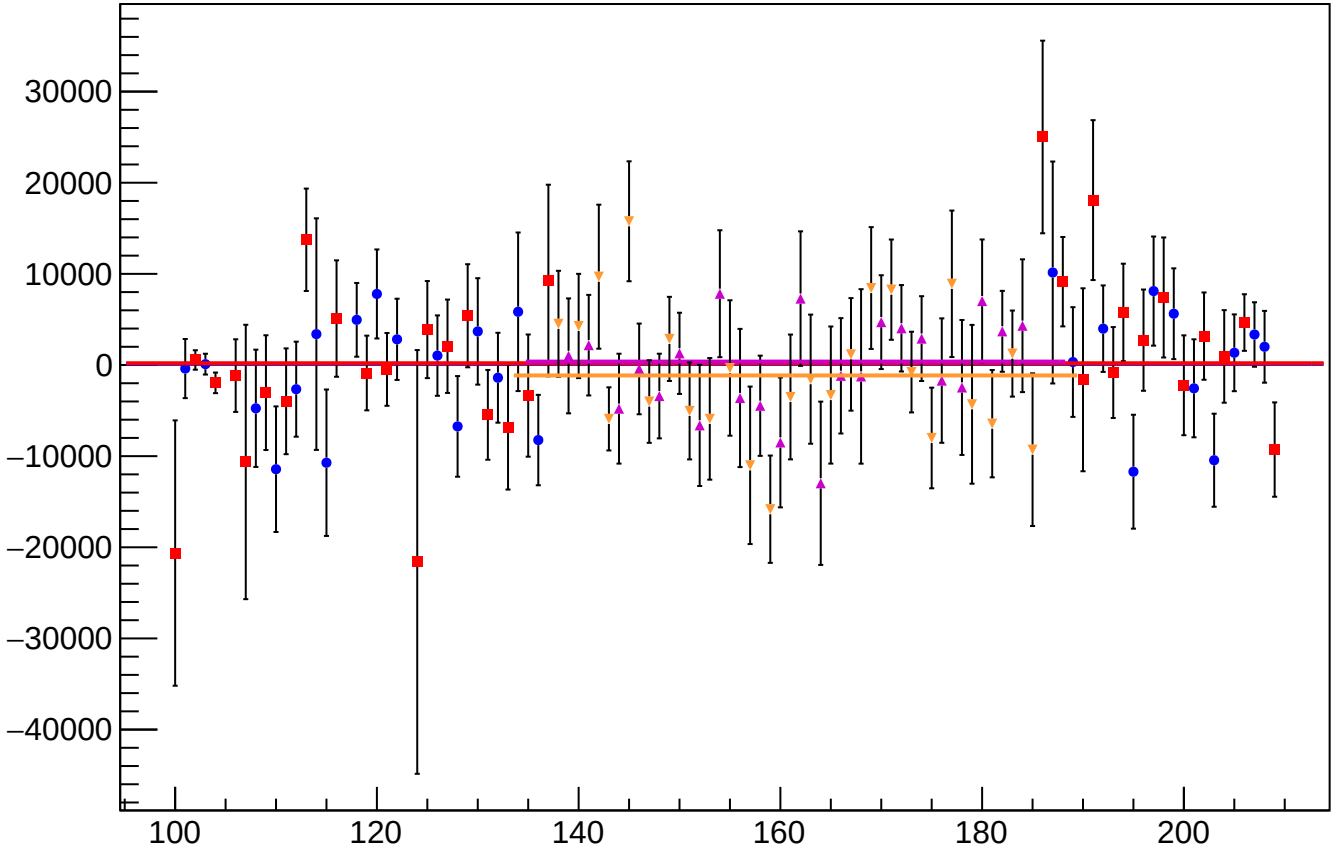
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1734.199+/-0.210 χ^2/NDF: 343573.8/50

All: 1740.178+/-0.148 χ^2/NDF: 770977.4/104

- sign 1746.079+/-0.208 χ^2/NDF: 425789.0/53

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 126.243+/-750.644 χ^2/NDF: 28.8/26

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 187.206+/-616.772 χ^2/NDF: 41.0/31

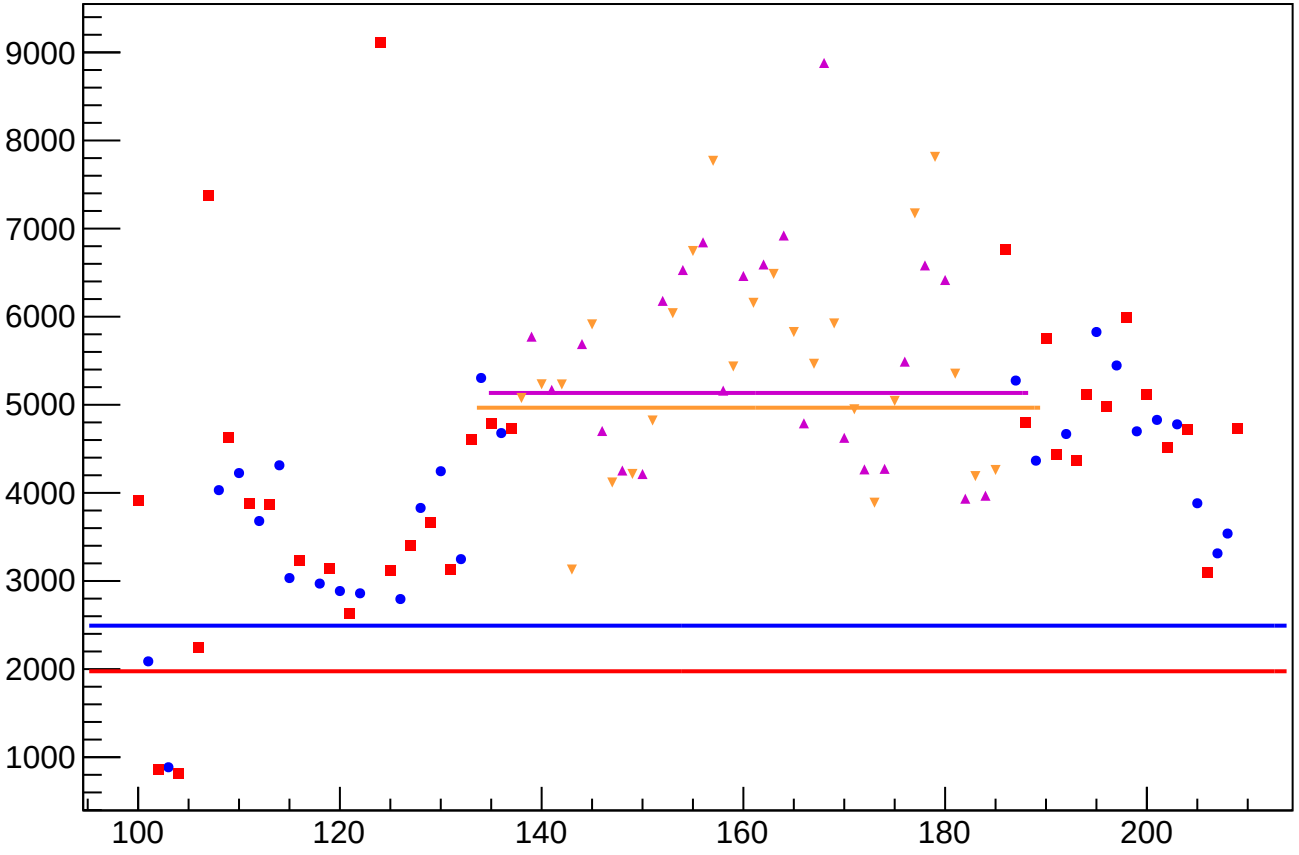
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -246.769+/-630.917 χ^2/NDF: 62.2/51

All: 20.769+/-415.108 χ^2/NDF: 116.8/106

\- sign 224.987+/-551.222 χ^2/NDF: 54.3/54

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2492.960+/-0.531 χ^2/NDF: 8809426.1/26

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1975.321+/-0.436 χ^2/NDF: 13849478.4/31

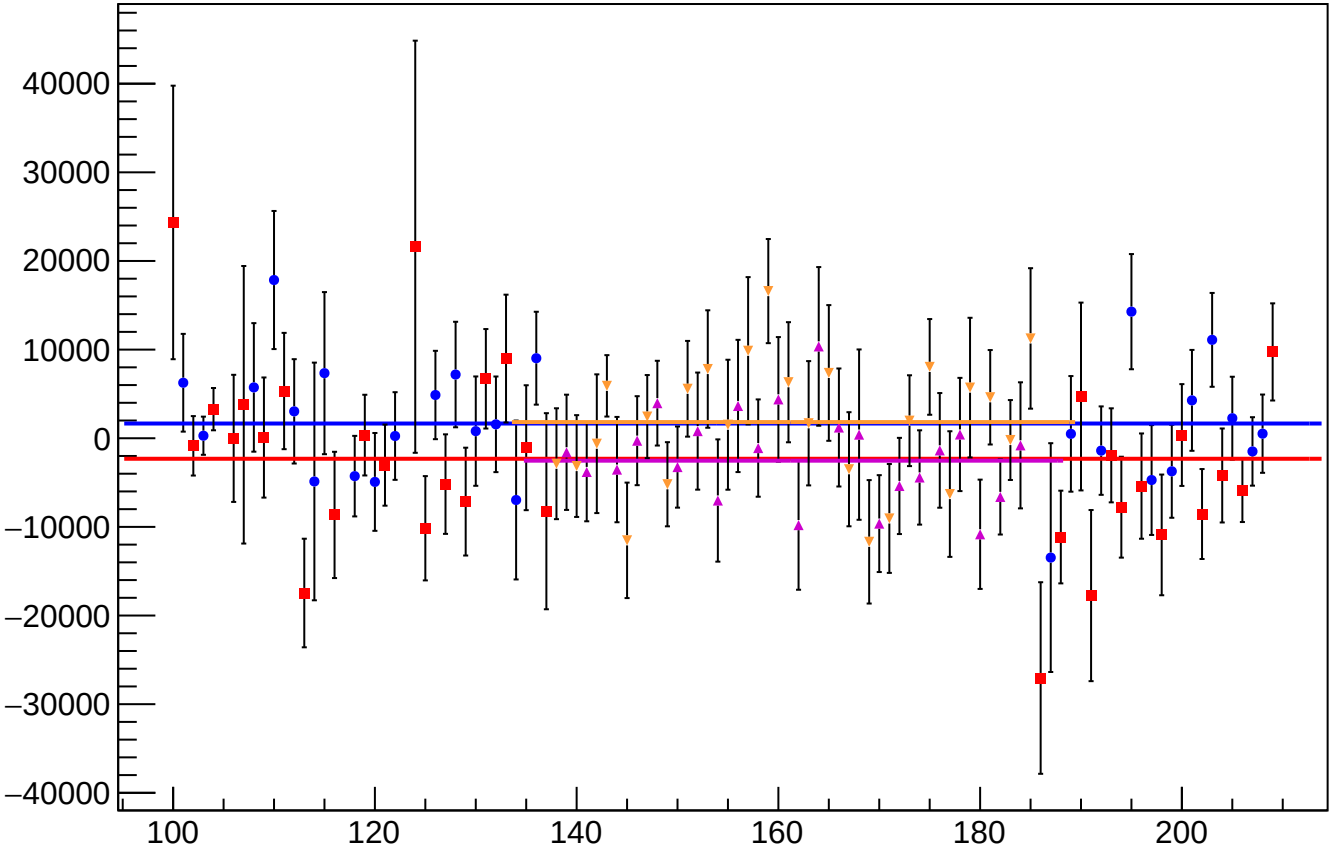
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3219.203+/-0.446 χ^2/NDF: 17104571.8/51

All: 2874.360+/-0.294 χ^2/NDF: 44055024.1/1

- sign 2611.133+/-0.390 χ^2/NDF: 25896887.4/54

asym_atl_avg_mean vs Slug



Right In: 1661.783+/-991.544 χ^2/NDF: 25.6/26

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2314.226+/-977.859 χ^2/NDF: 48.3/31

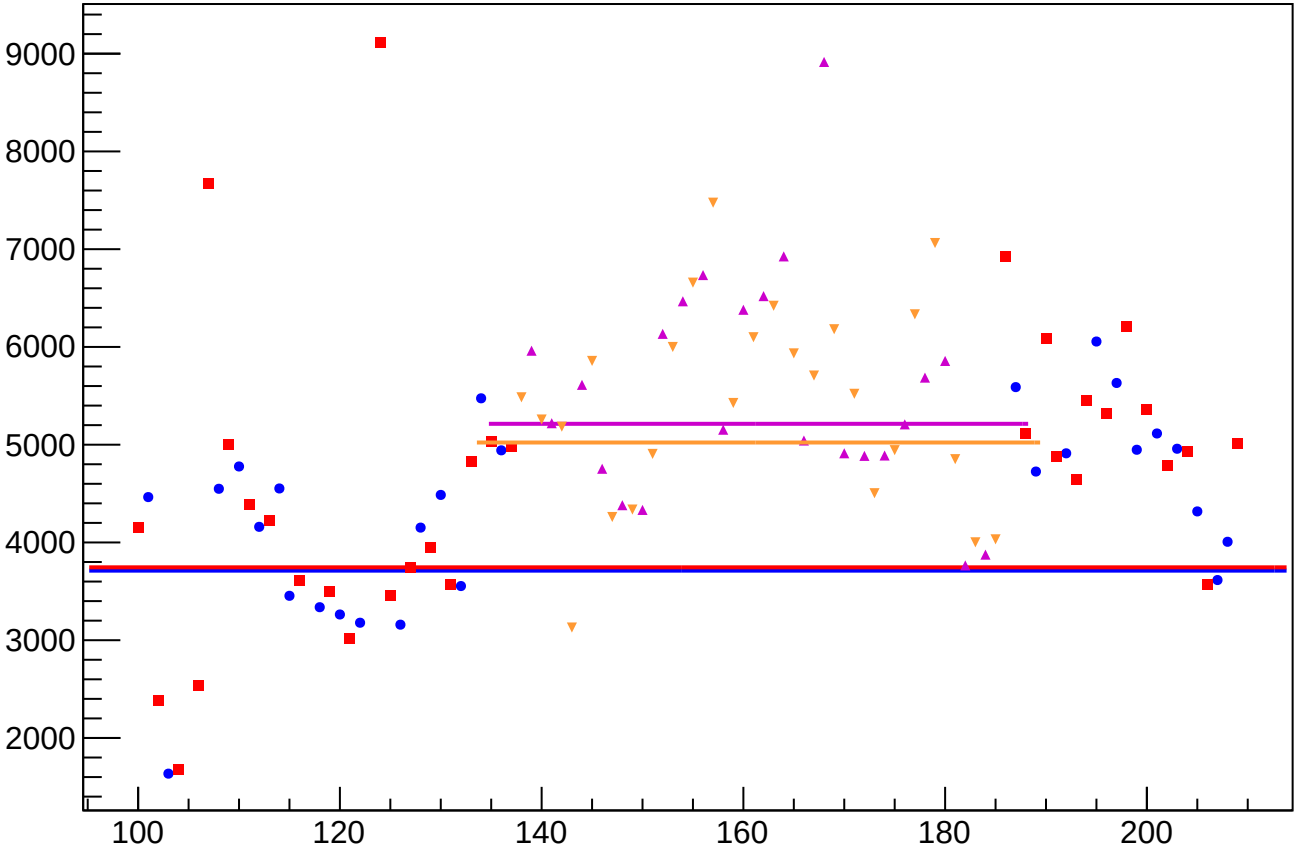
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1730.341+/-757.107 χ^2/NDF: 56.7/51

All: -302.808+/-539.275 χ^2/NDF: 132.9/106

- sign -2396.602+/-768.316 χ^2/NDF: 61.5/54

asym_atl_avg_rms vs Slug



Right In: 3711.767+/-0.701 χ^2/NDF: 3335615.5/26

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3745.506+/-0.685 χ^2/NDF: 4025144.0/31

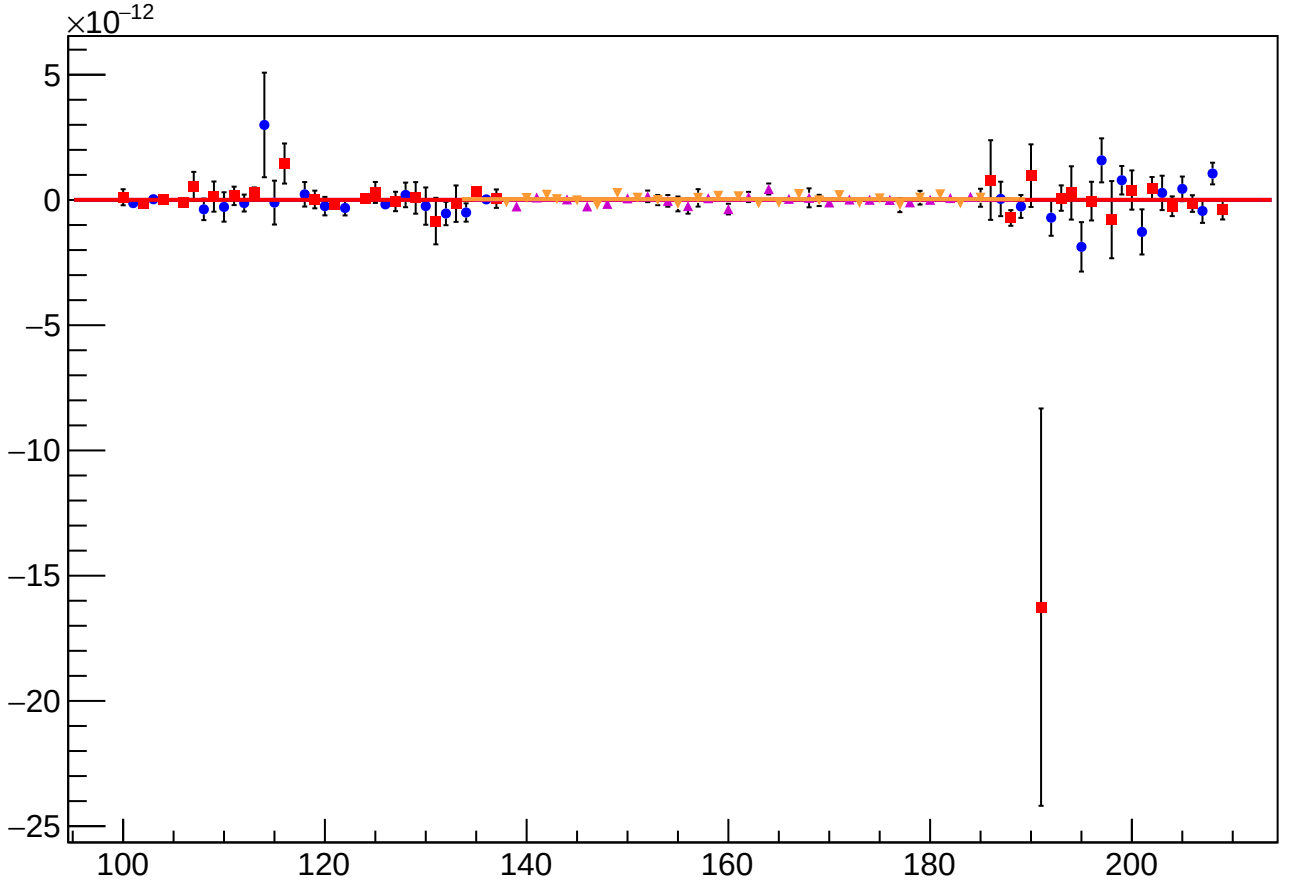
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4258.265+/-0.535 χ^2/NDF: 6469290.0/51

All: 4279.205+/-0.380 χ^2/NDF: 13458699.7/1

- sign 4300.509+/-0.540 χ^2/NDF: 6986323.2/54

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

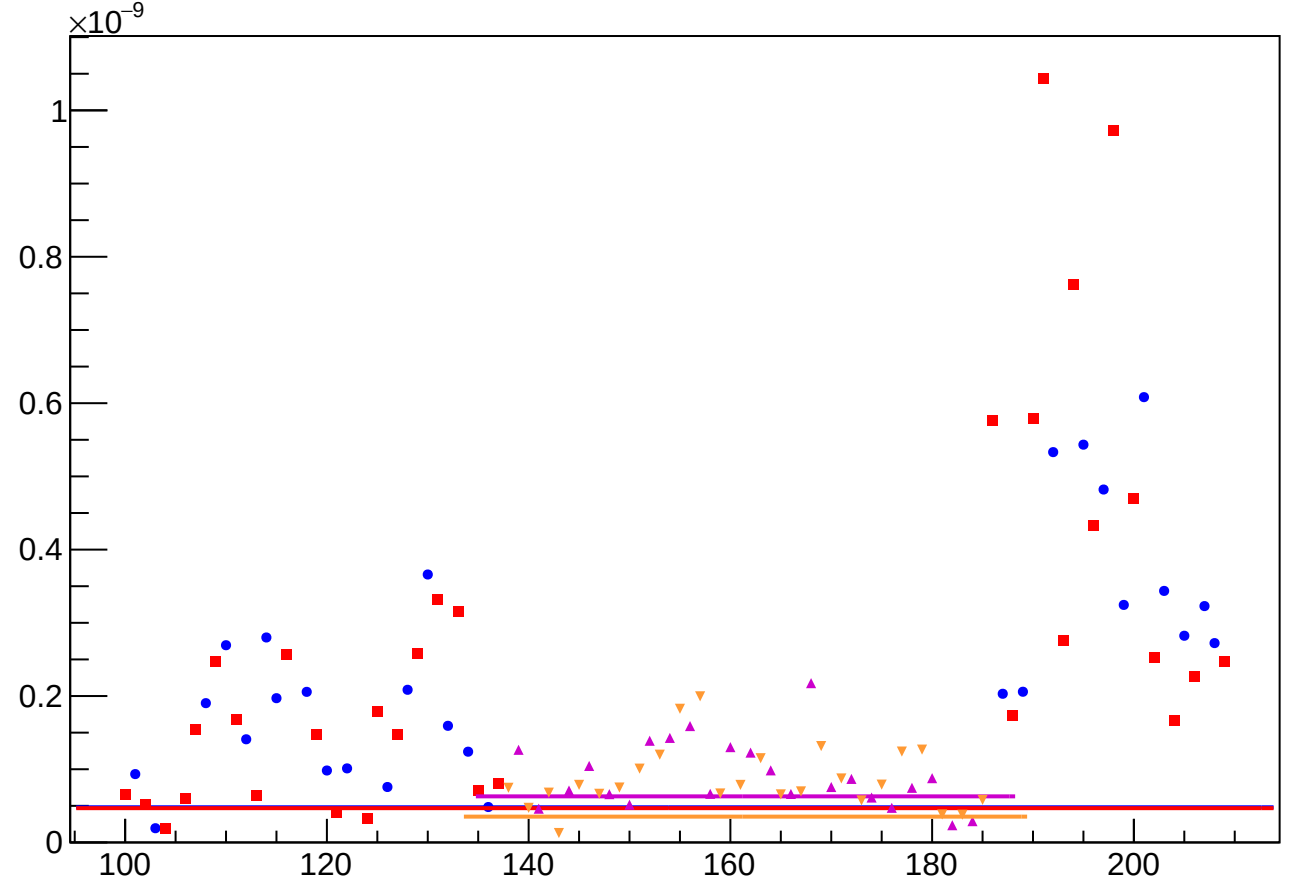
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/31

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/51

All: 0.000+/-0.000 χ^2/NDF: 104.1/106

- sign 0.000+/-0.000 χ^2/NDF: 47.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 8570380.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8613410.8/31

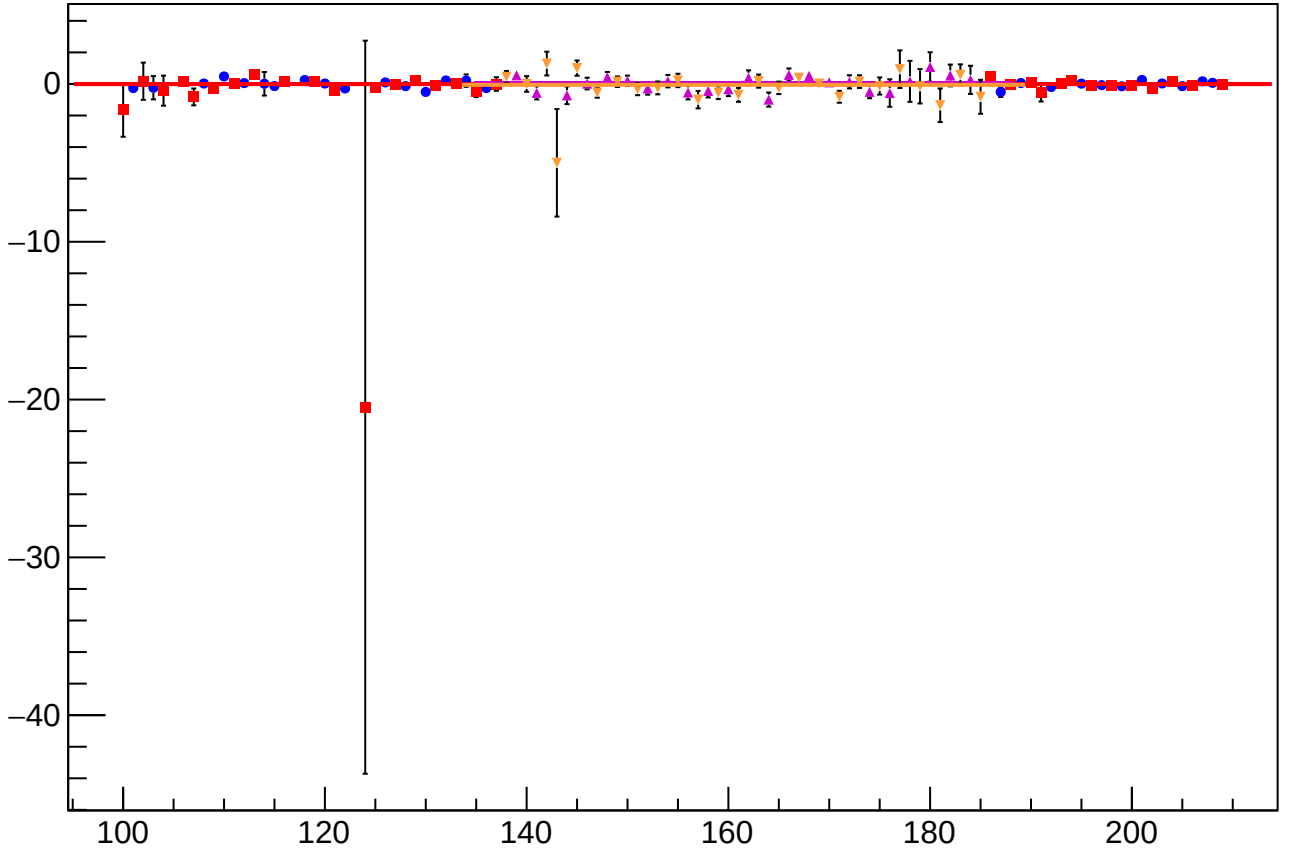
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15306753.3/51

All: 0.000+/-0.000 χ^2/NDF: 28060546.5/106

- sign 0.000+/-0.000 χ^2/NDF: 11841238.6/54

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.009+/-0.035 χ^2/NDF: 32.5/31

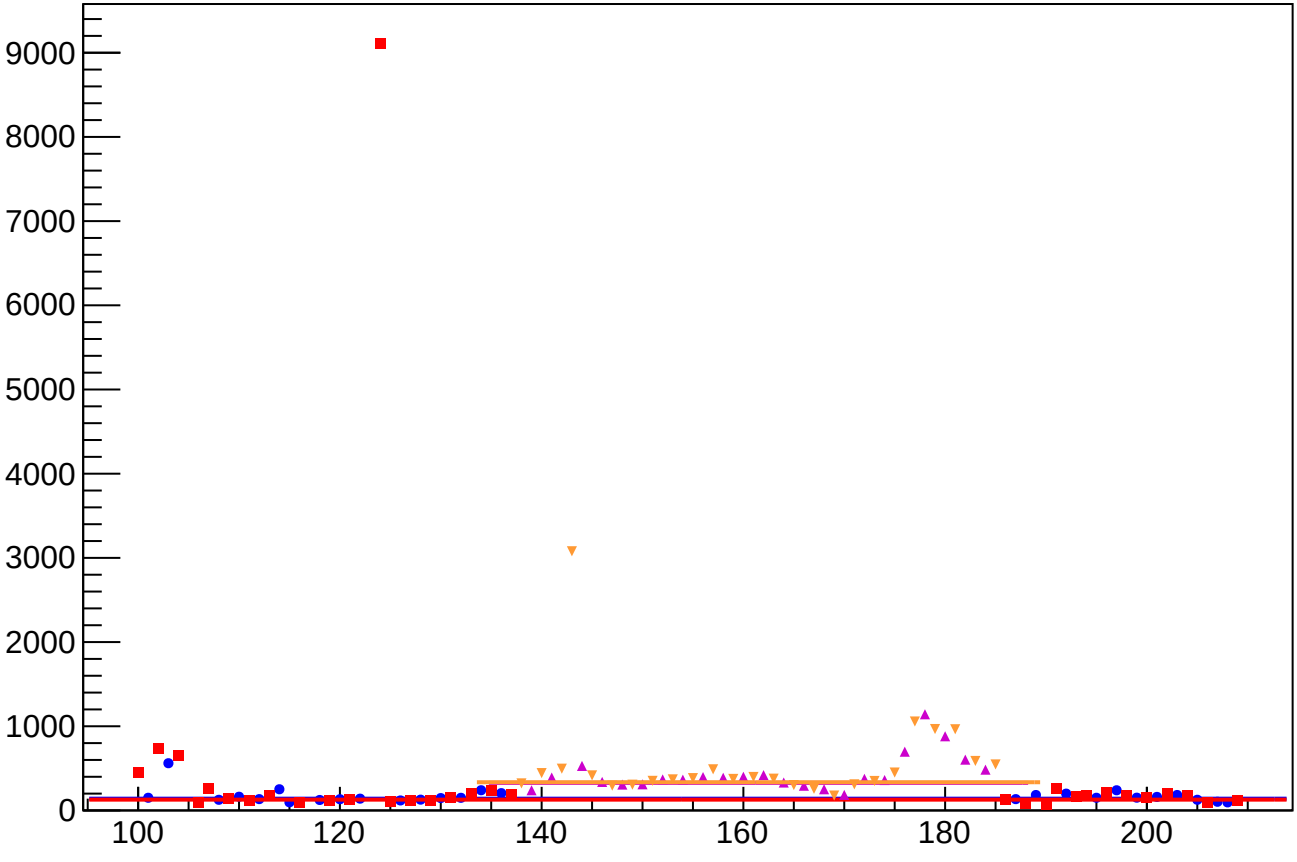
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.005+/-0.024 χ^2/NDF: 121.5/106

- sign 0.002+/-0.032 χ^2/NDF: 61.2/54

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

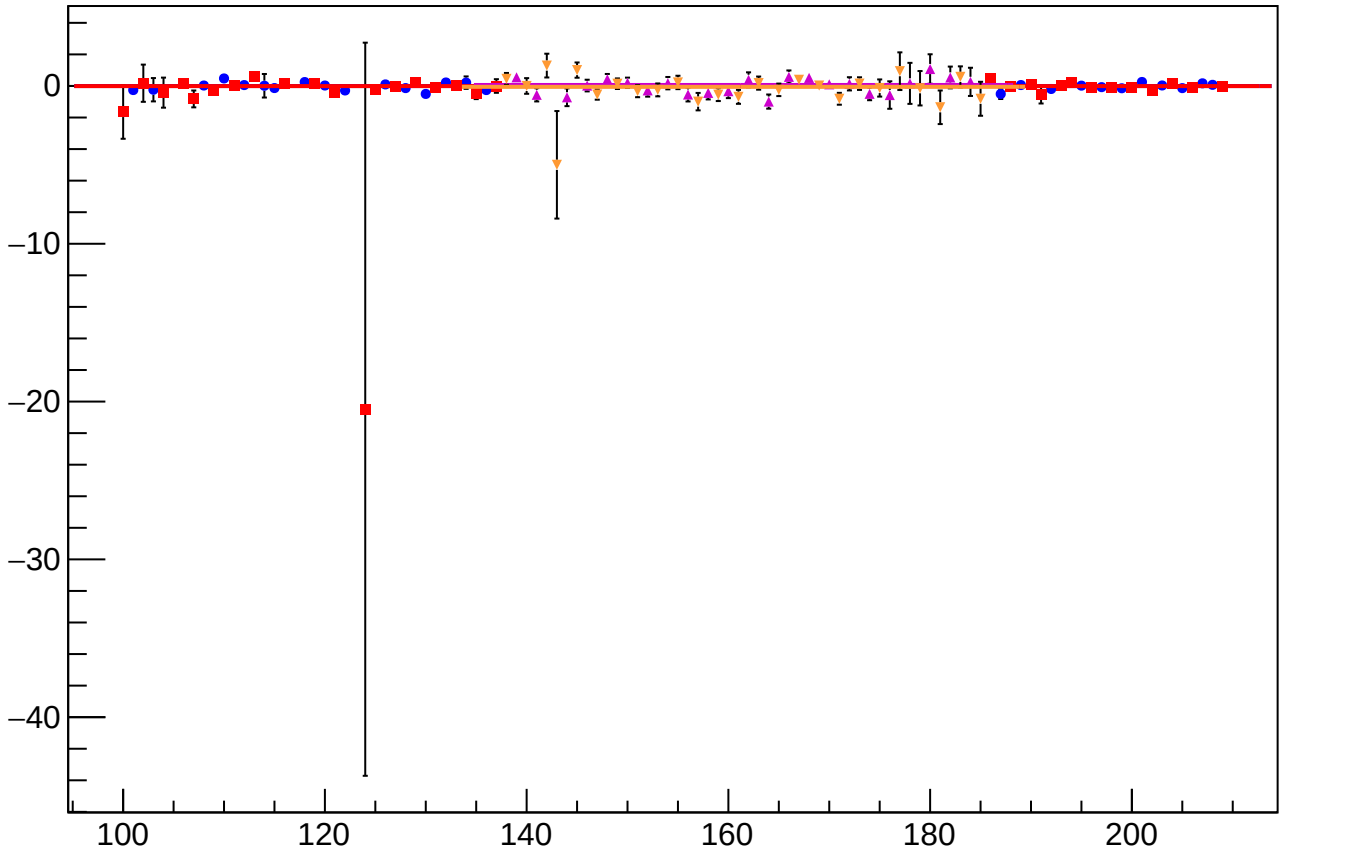
Right Out: 128.524+/-0.025 χ^2/NDF: 4203797.1/31

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 173.116+/-0.025 χ^2/NDF: 16966167.1/51

All: 165.549+/-0.017 χ^2/NDF: 35299748.4/10

- sign 159.025+/-0.023 χ^2/NDF: 18158295.8/54



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.009+/-0.035 χ^2/NDF: 32.5/31

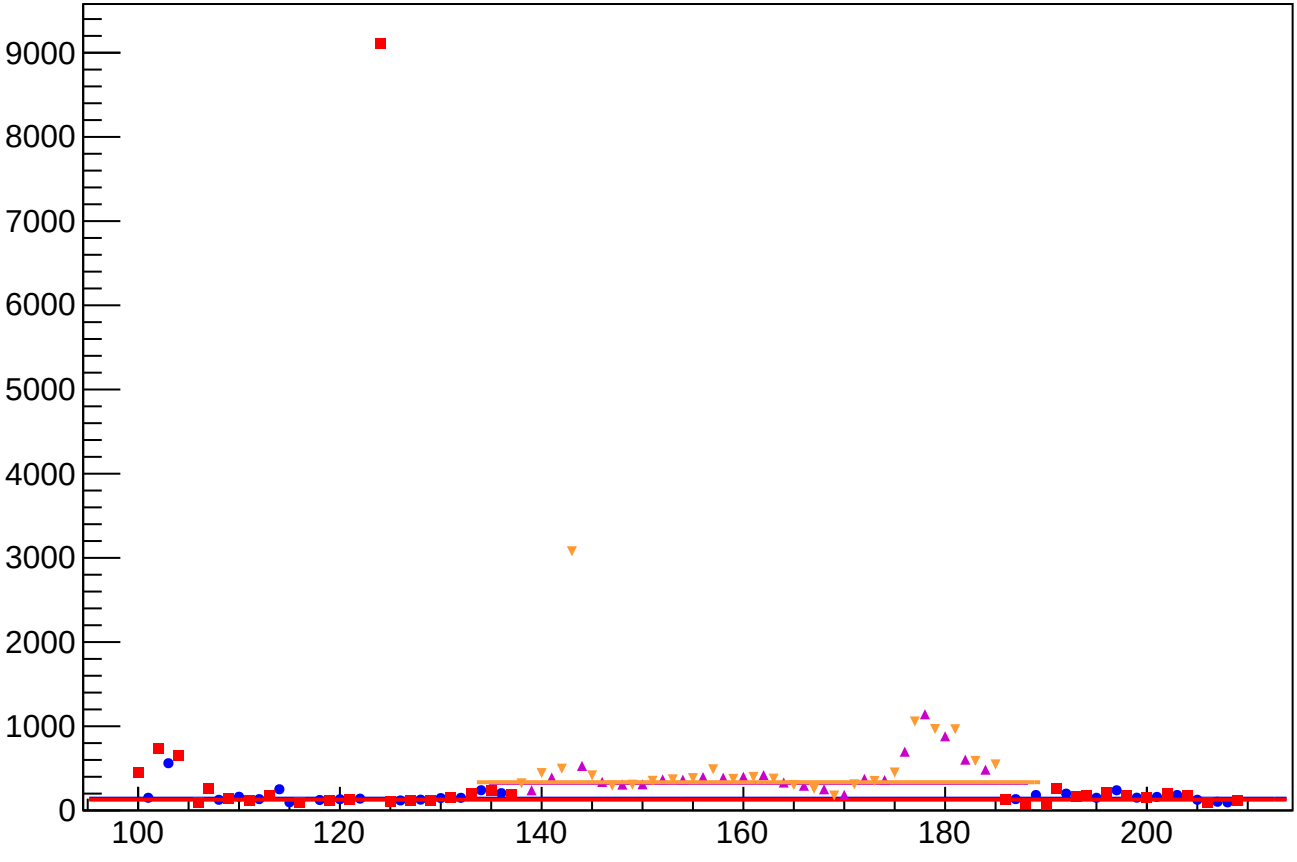
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.005+/-0.024 χ^2/NDF: 121.5/106

- sign 0.002+/-0.032 χ^2/NDF: 61.2/54

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

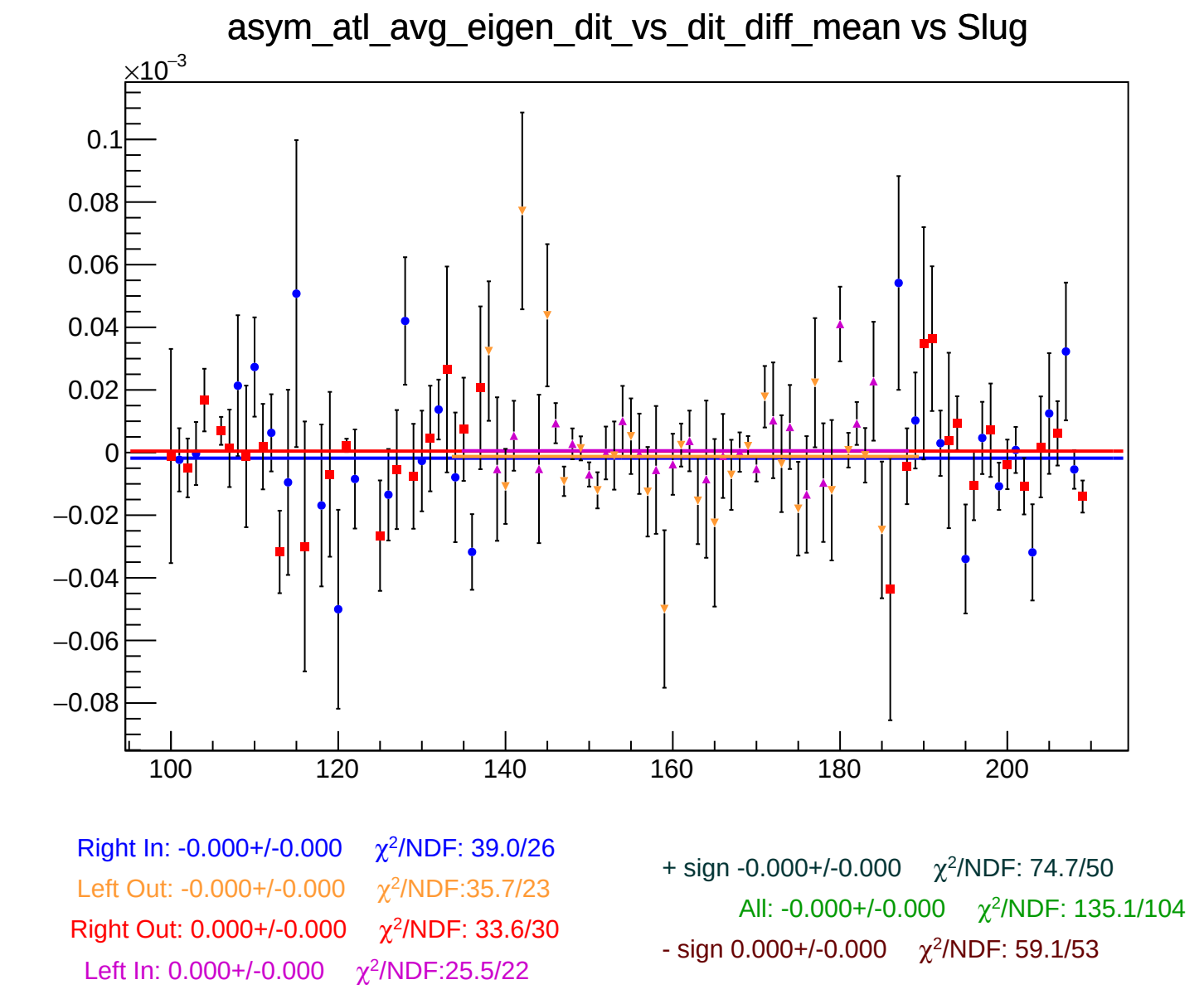
Right Out: 128.524+/-0.025 χ^2/NDF: 4203797.1/31

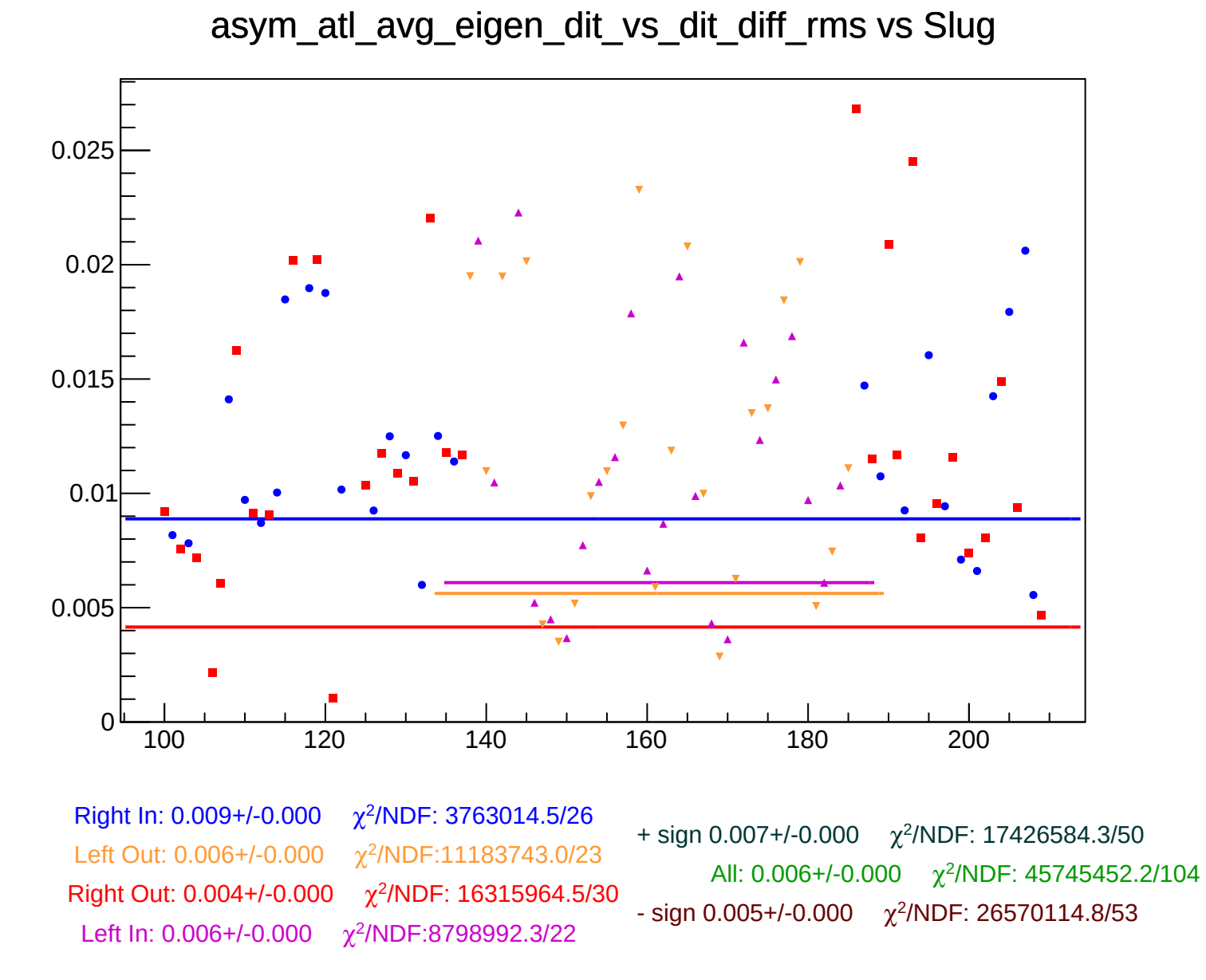
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

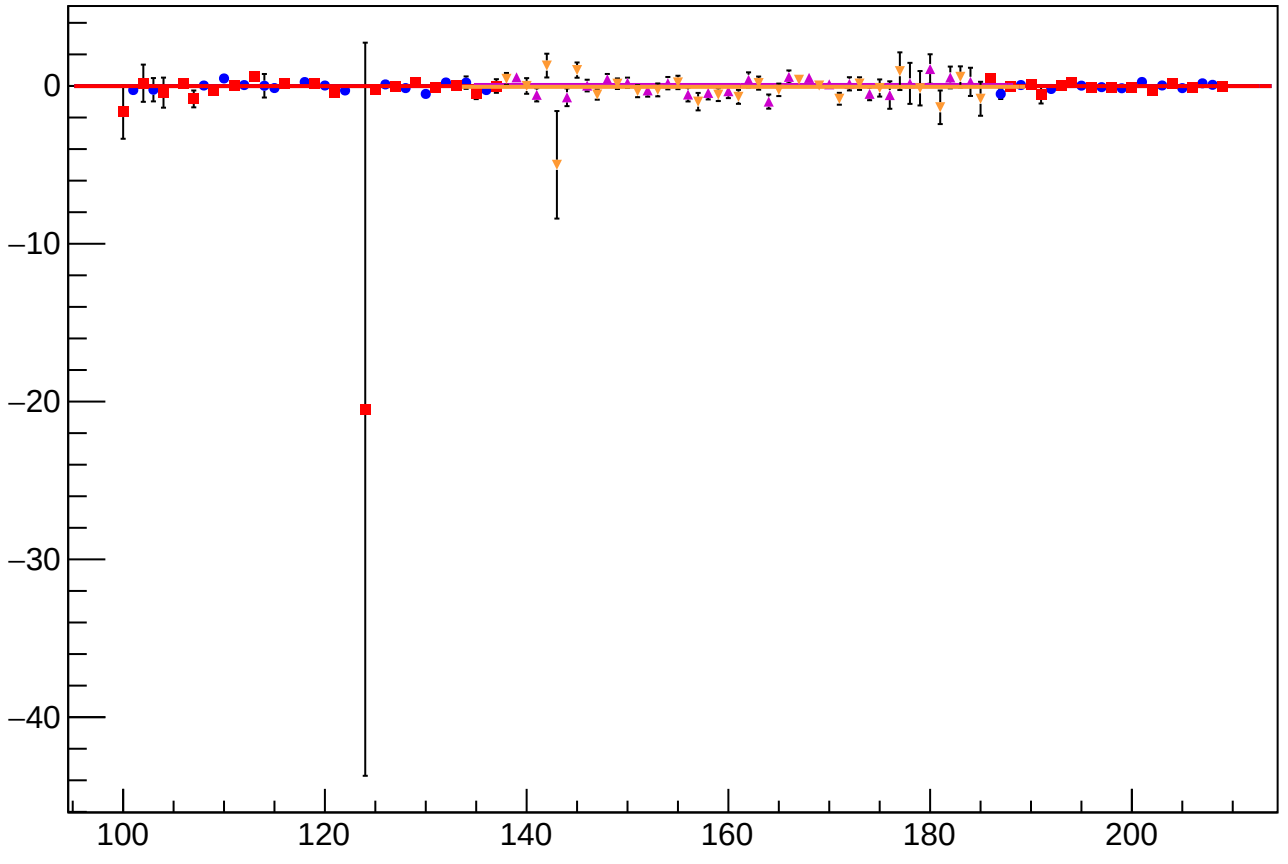
+ sign 173.116+/-0.025 χ^2/NDF: 16966167.1/51

All: 165.549+/-0.017 χ^2/NDF: 35299748.4/10

- sign 159.025+/-0.023 χ^2/NDF: 18158295.8/54


asym_atl_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: 39.0/26
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 33.6/30
Left In: 0.000+/-0.000 χ²/NDF:25.5/22
+ sign -0.000+/-0.000 χ²/NDF: 74.7/50
All: -0.000+/-0.000 χ²/NDF: 135.1/104
- sign 0.000+/-0.000 χ²/NDF: 59.1/53


asym_atl_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: 0.009+/-0.000 χ²/NDF: 3763014.5/26
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 16315964.5/30
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.007+/-0.000 χ²/NDF: 17426584.3/50
All: 0.006+/-0.000 χ²/NDF: 45745452.2/104
- sign 0.005+/-0.000 χ²/NDF: 26570114.8/53



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.009+/-0.035 χ^2/NDF: 32.5/31

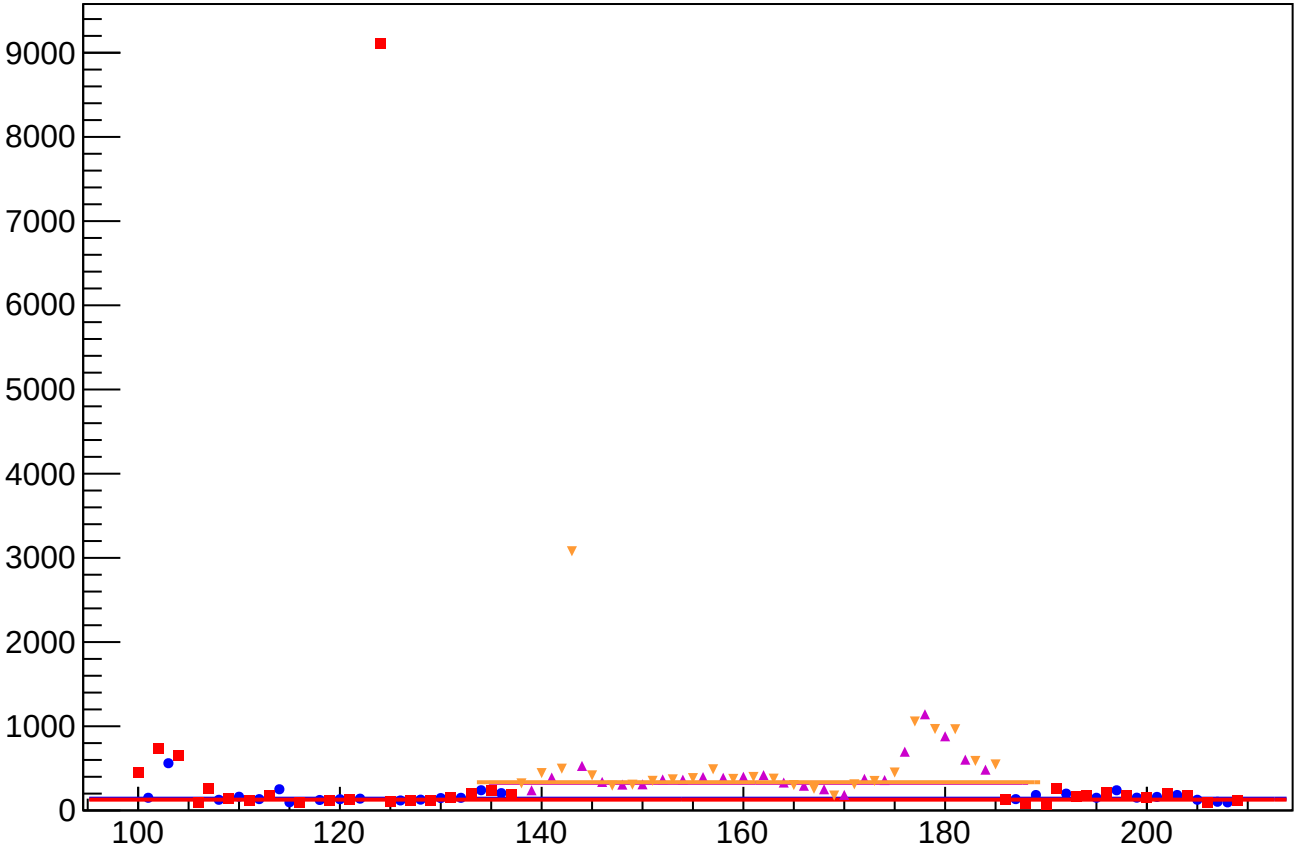
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.005+/-0.024 χ^2/NDF: 121.5/106

- sign 0.002+/-0.032 χ^2/NDF: 61.2/54

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

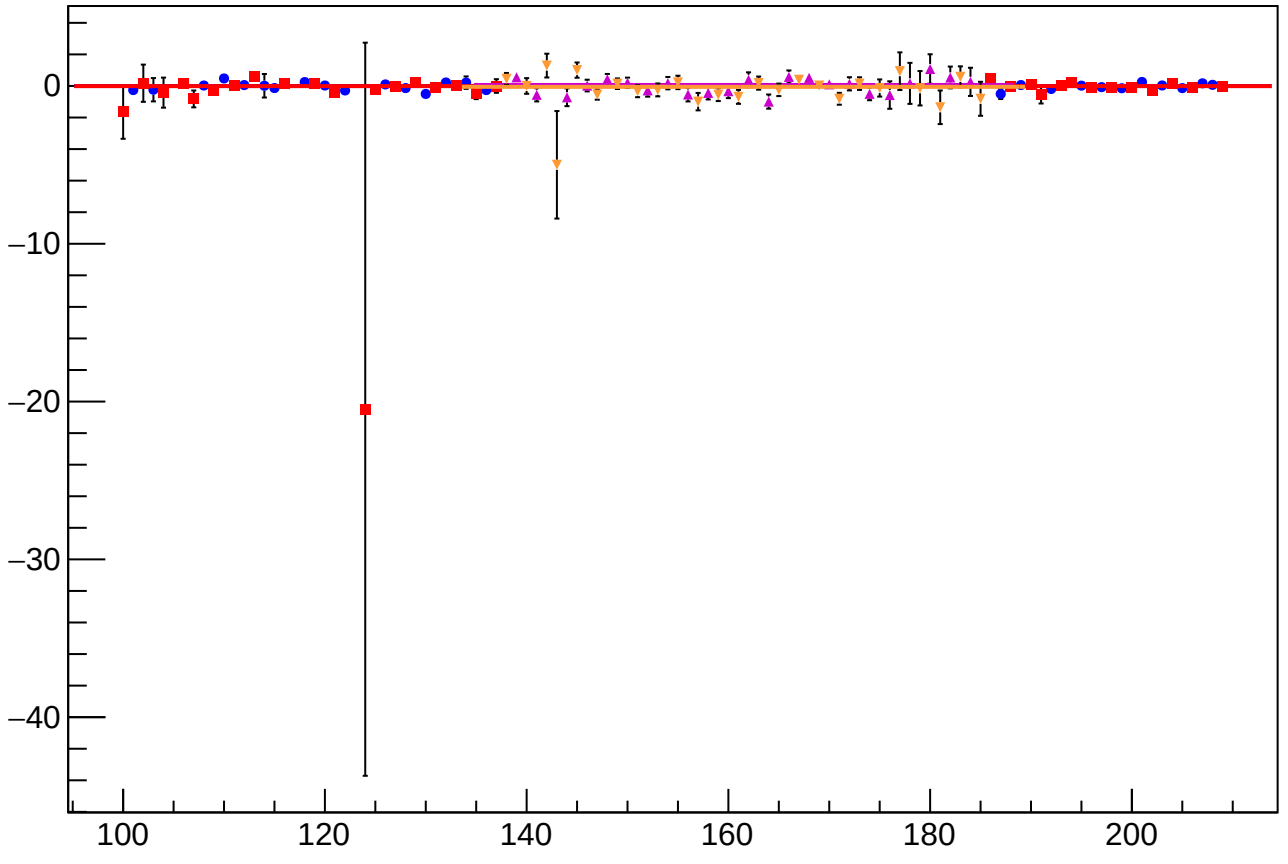
Right Out: 128.522+/-0.025 χ^2/NDF: 4203925.8/31

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 173.112+/-0.025 χ^2/NDF: 16966912.1/51

All: 165.546+/-0.017 χ^2/NDF: 35300969.7/10

- sign 159.022+/-0.023 χ^2/NDF: 18158804.1/54



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.009+/-0.035 χ^2/NDF: 32.5/31

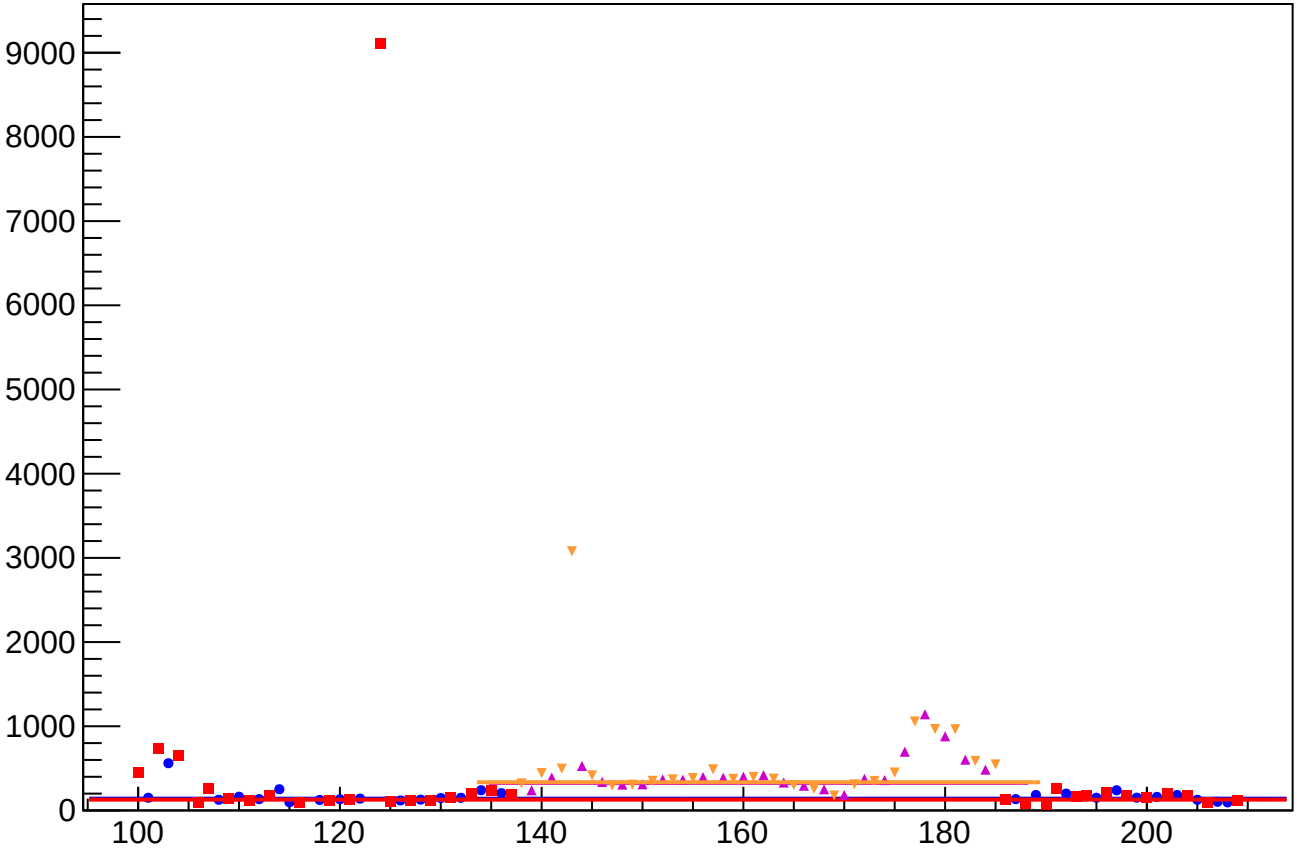
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.013+/-0.035 χ^2/NDF: 60.2/51

All: -0.005+/-0.024 χ^2/NDF: 121.5/106

- sign 0.002+/-0.032 χ^2/NDF: 61.2/54

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

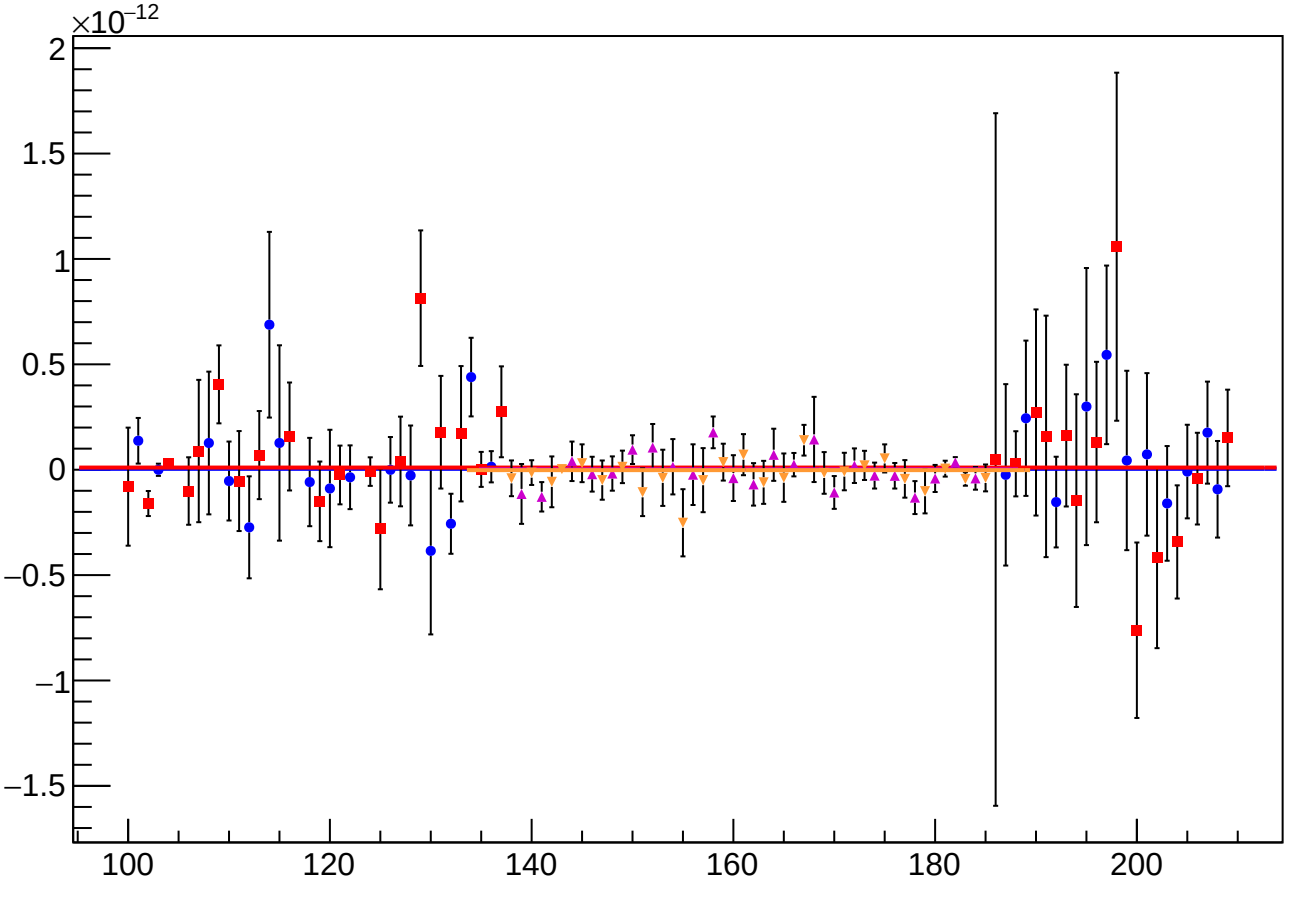
Right Out: 128.522+/-0.025 χ^2/NDF: 4203925.8/31

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 173.112+/-0.025 χ^2/NDF: 16966912.1/51

All: 165.546+/-0.017 χ^2/NDF: 35300969.7/10

- sign 159.022+/-0.023 χ^2/NDF: 18158804.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/31

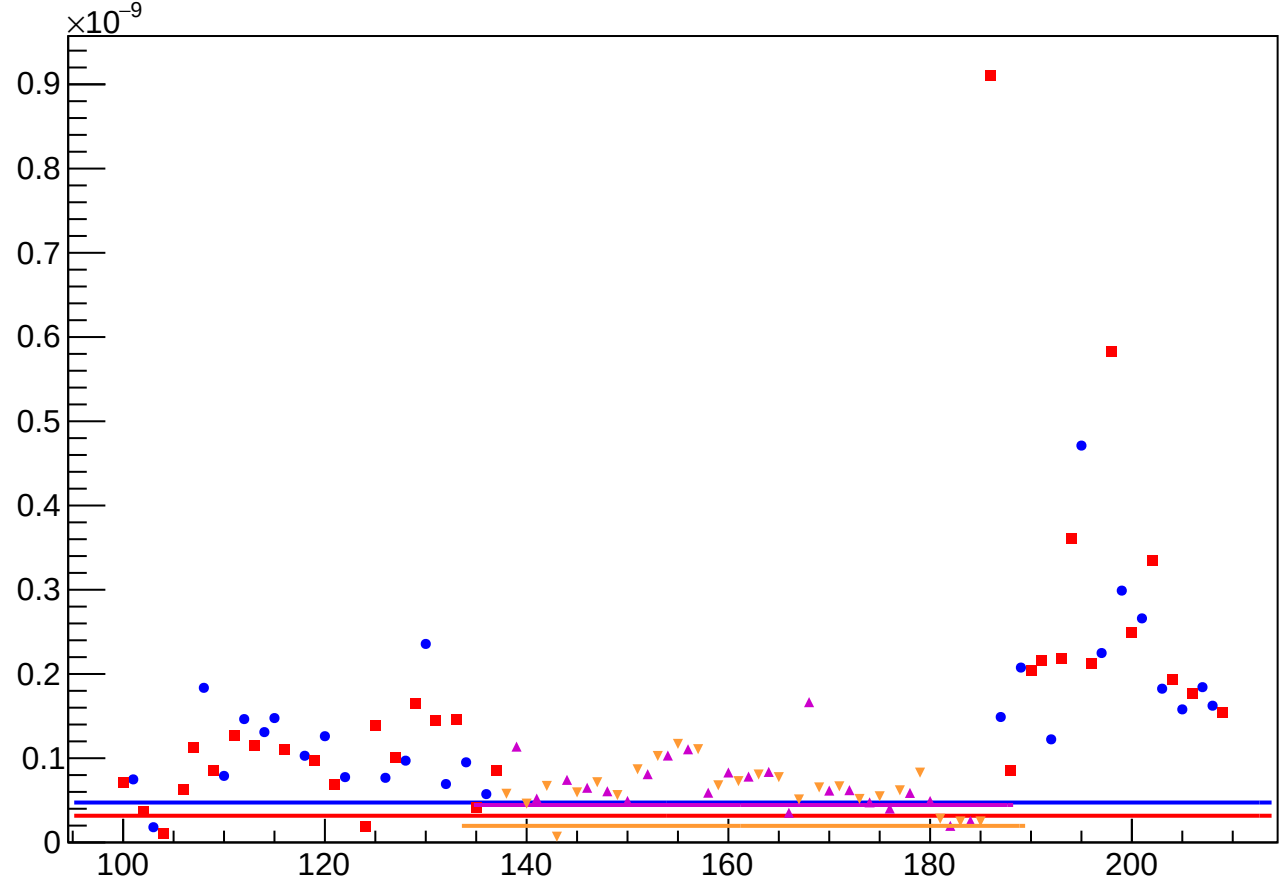
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/51

All: 0.000+/-0.000 χ^2/NDF: 90.1/106

- sign 0.000+/-0.000 χ^2/NDF: 56.7/54

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9654915.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12772312.1/31

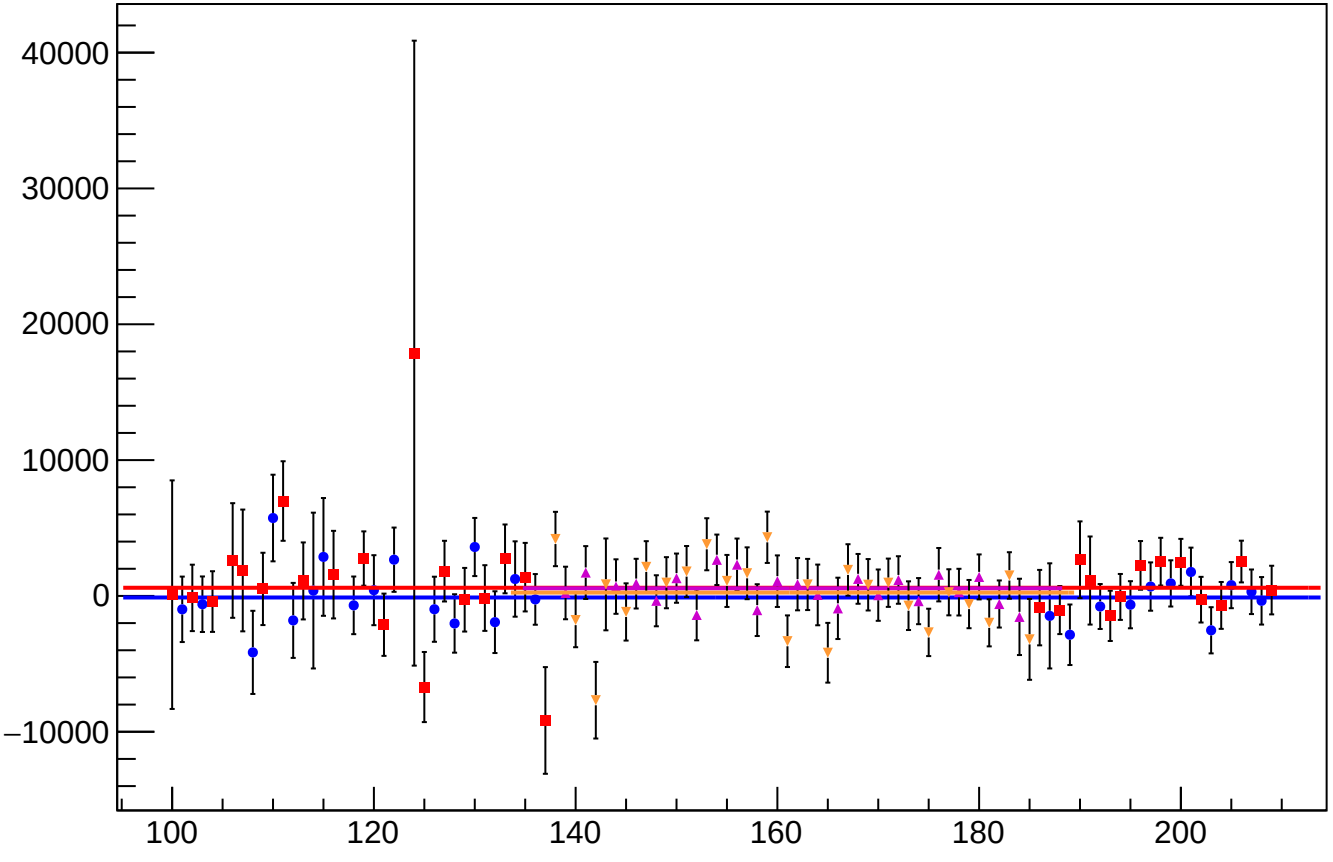
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 27087440.2/51

All: 0.000+/-0.000 χ^2/NDF: 49420574.2/106

- sign 0.000+/-0.000 χ^2/NDF: 19307479.7/54

reg_asym_atl_dd_mean vs Slug



Right In: -114.769+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 601.354+/-401.649 χ^2/NDF: 32.9/31

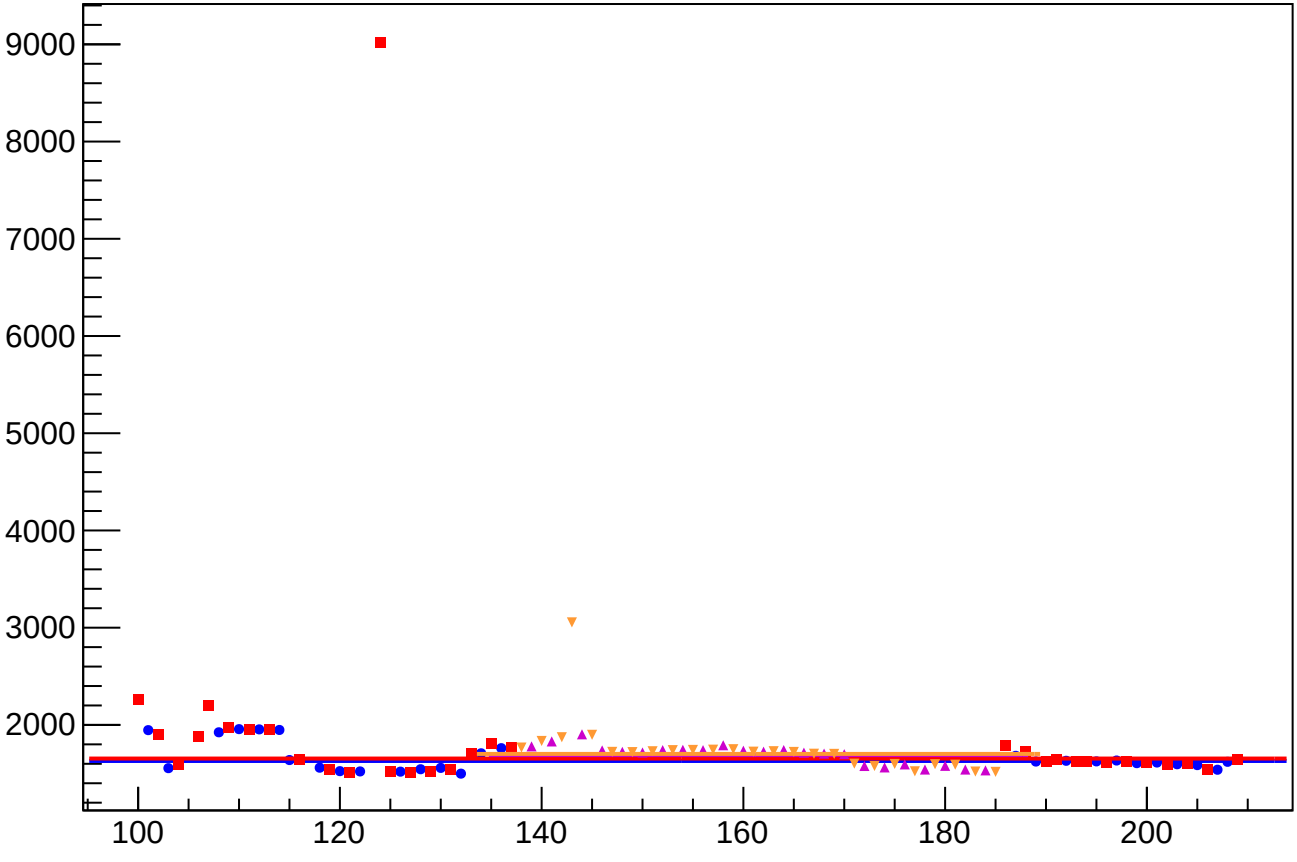
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

\+ sign 76.608+/-282.323 χ^2/NDF: 58.4/51

All: 329.055+/-199.401 χ^2/NDF: 100.5/106

\- sign 580.335+/-281.669 χ^2/NDF: 40.4/54

reg_asym_atl_dd_rms vs Slug



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1653.972+/-0.283 χ^2/NDF: 421807.6/31

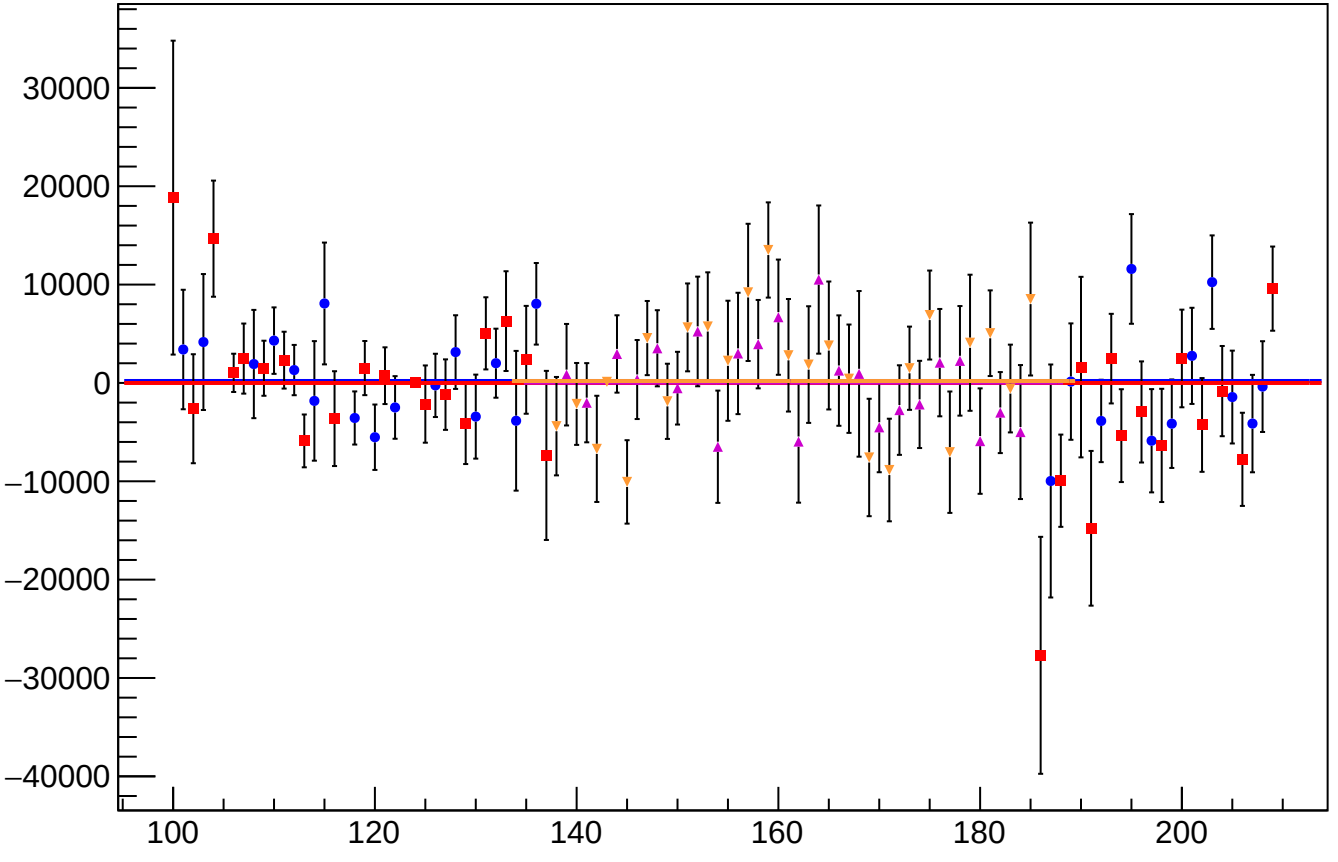
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1667.343+/-0.200 χ^2/NDF: 642308.3/51

All: 1669.615+/-0.141 χ^2/NDF: 1194552.0/10

- sign 1671.872+/-0.199 χ^2/NDF: 551985.6/54

asym_atl_dd_reg_correction_mean vs Slug



Right In: 197.619+/-813.275 χ^2/NDF: 29.0/26

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

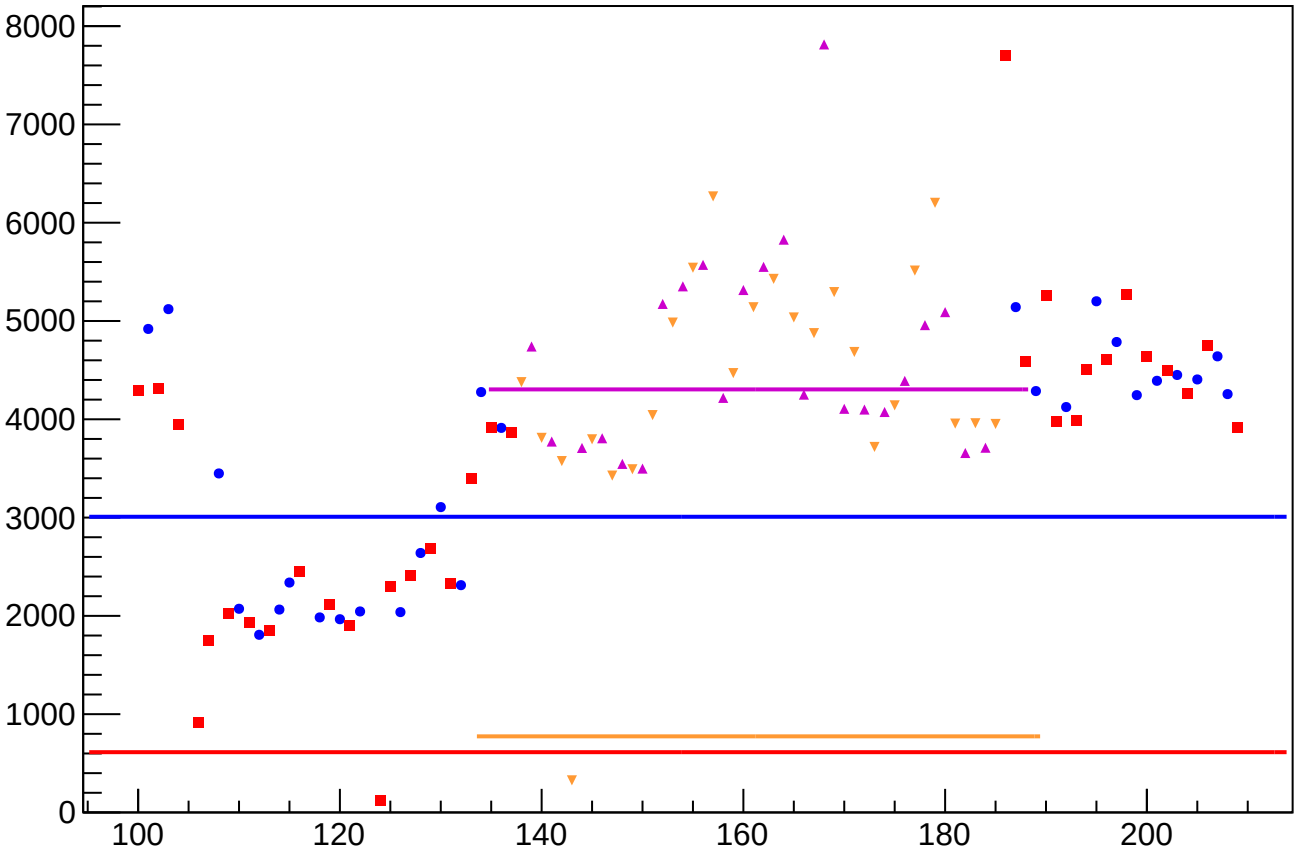
Right Out: -3.867+/-315.981 χ^2/NDF: 46.3/31

Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 194.125+/-316.145 χ^2/NDF: 62.9/51

All: 92.069+/-218.365 χ^2/NDF: 122.6/106

- sign -1.041+/-301.971 χ^2/NDF: 59.5/54



Right In: 3008.269+/-0.575 χ^2/NDF: 4043559.2/26

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 613.249+/-0.223 χ^2/NDF: 26392489.9/31

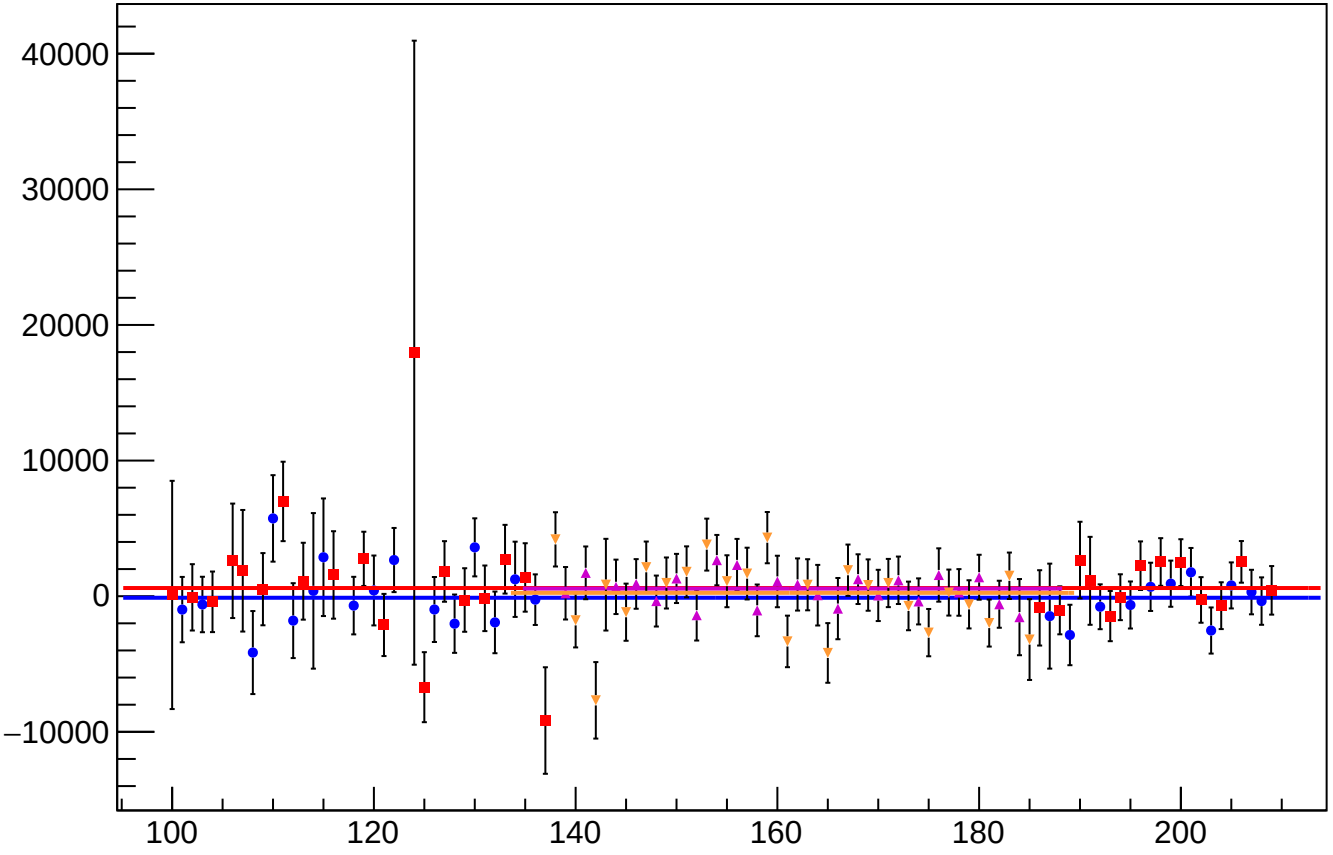
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1111.820+/-0.224 χ^2/NDF: 44940250.7/51

All: 1018.458+/-0.154 χ^2/NDF: 96542822.9/1

- sign 933.279+/-0.214 χ^2/NDF: 51269017.3/54

cor_asym_atl_dd_mean vs Slug



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 603.074+/-401.650 χ^2/NDF: 32.9/31

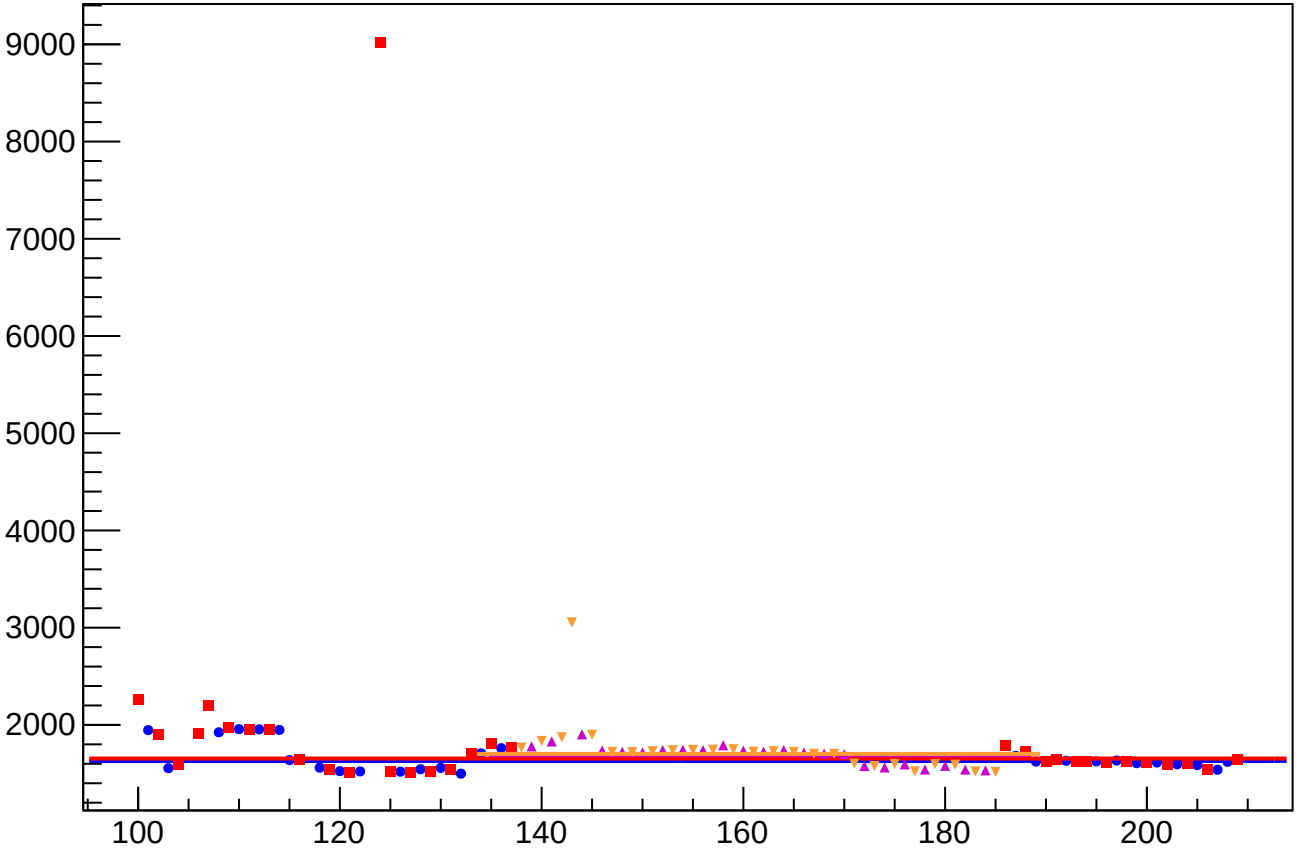
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

\+ sign 76.625+/-282.323 χ^2/NDF: 58.4/51

All: 329.479+/-199.401 χ^2/NDF: 100.5/106

\- sign 581.163+/-281.670 χ^2/NDF: 40.4/54

cor_asym_atl_dd_rms vs Slug



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

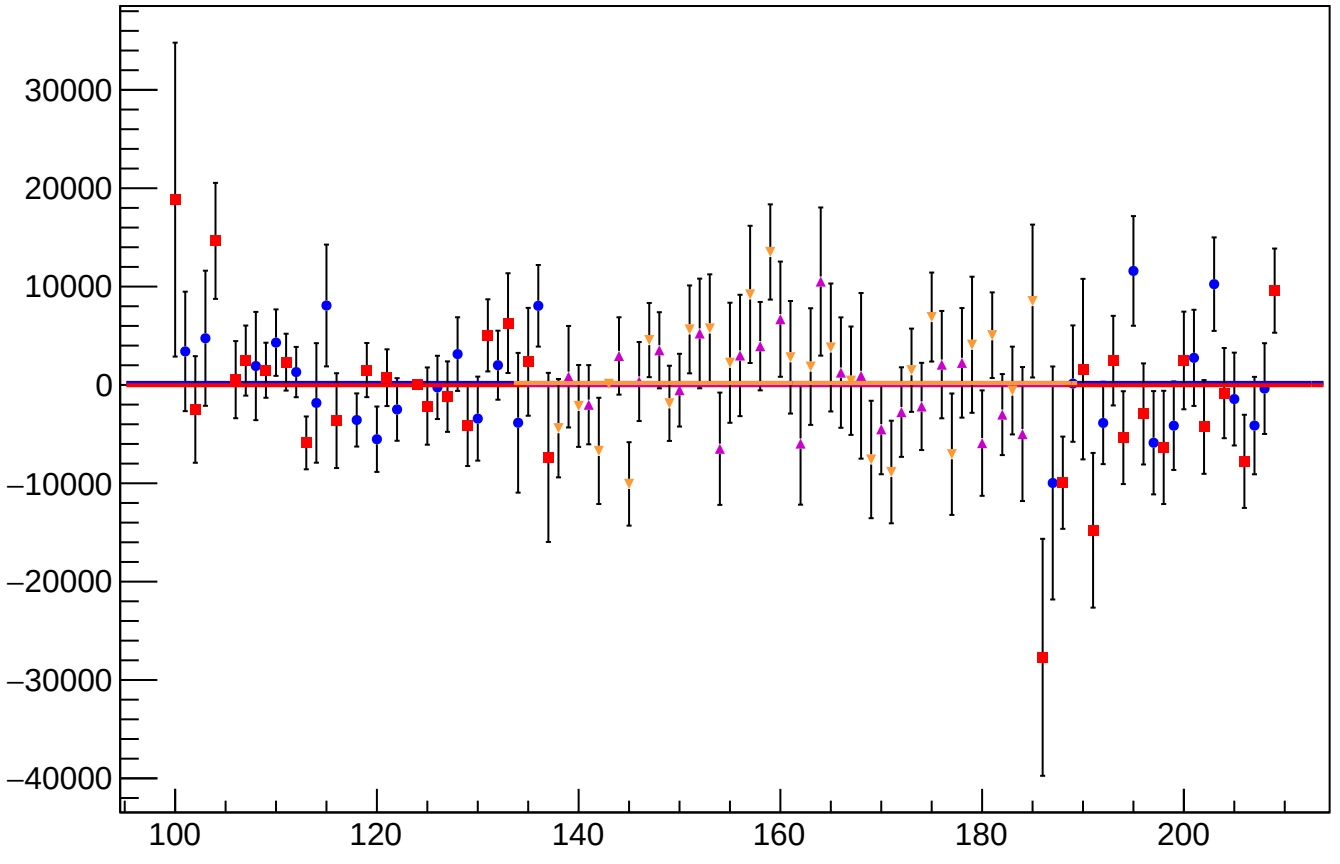
Right Out: 1654.276+/-0.284 χ^2/NDF: 423891.5/31

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1667.343+/-0.200 χ^2/NDF: 642308.4/51

All: 1669.692+/-0.141 χ^2/NDF: 1196517.4/10

- sign 1672.025+/-0.199 χ^2/NDF: 553933.1/54



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -29.706+/-308.568 χ^2/NDF: 46.0/31

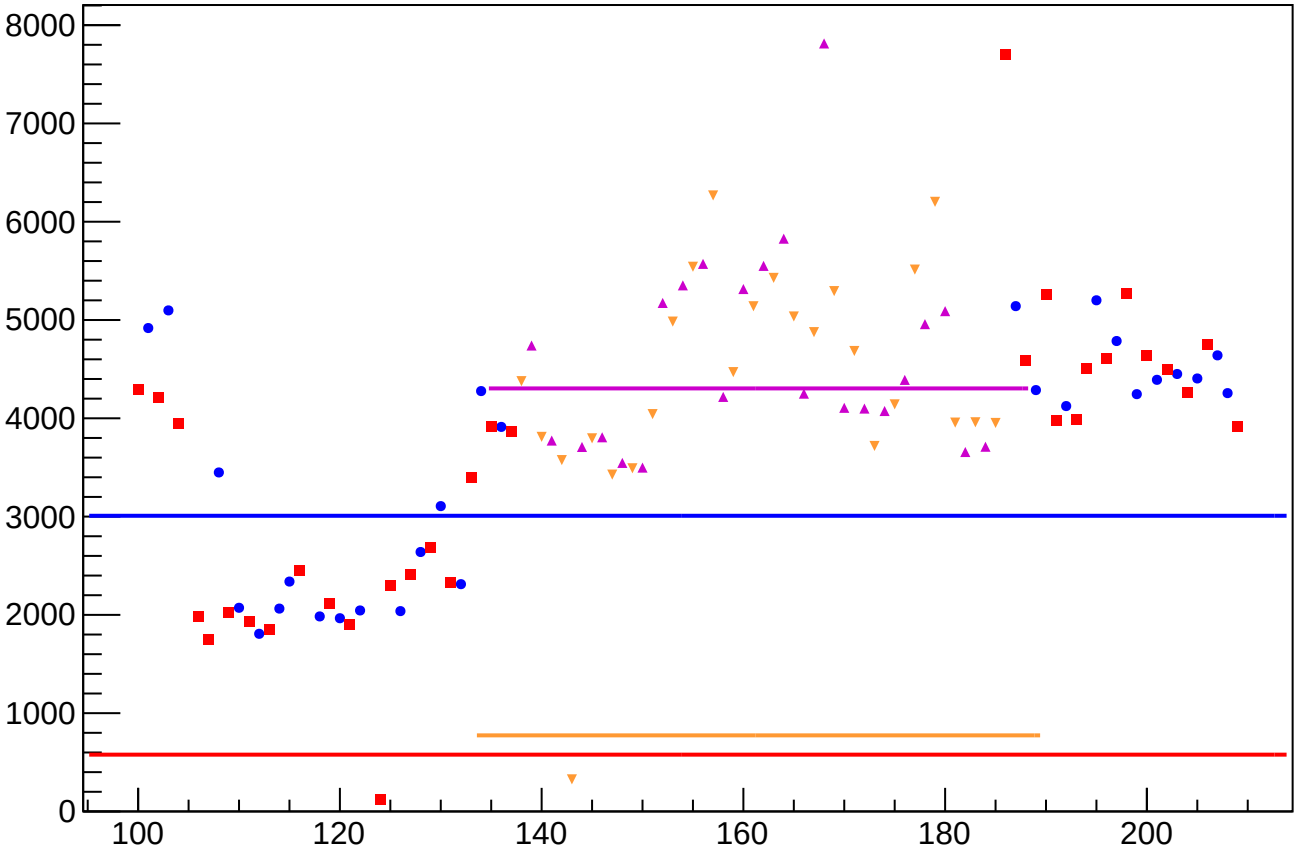
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 195.845+/-316.122 χ^2/NDF: 63.0/51

All: 78.057+/-215.865 χ^2/NDF: 122.5/106

- sign -24.852+/-295.481 χ^2/NDF: 59.3/54

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 577.919+/-0.218 χ^2/NDF: 26975746.2/31

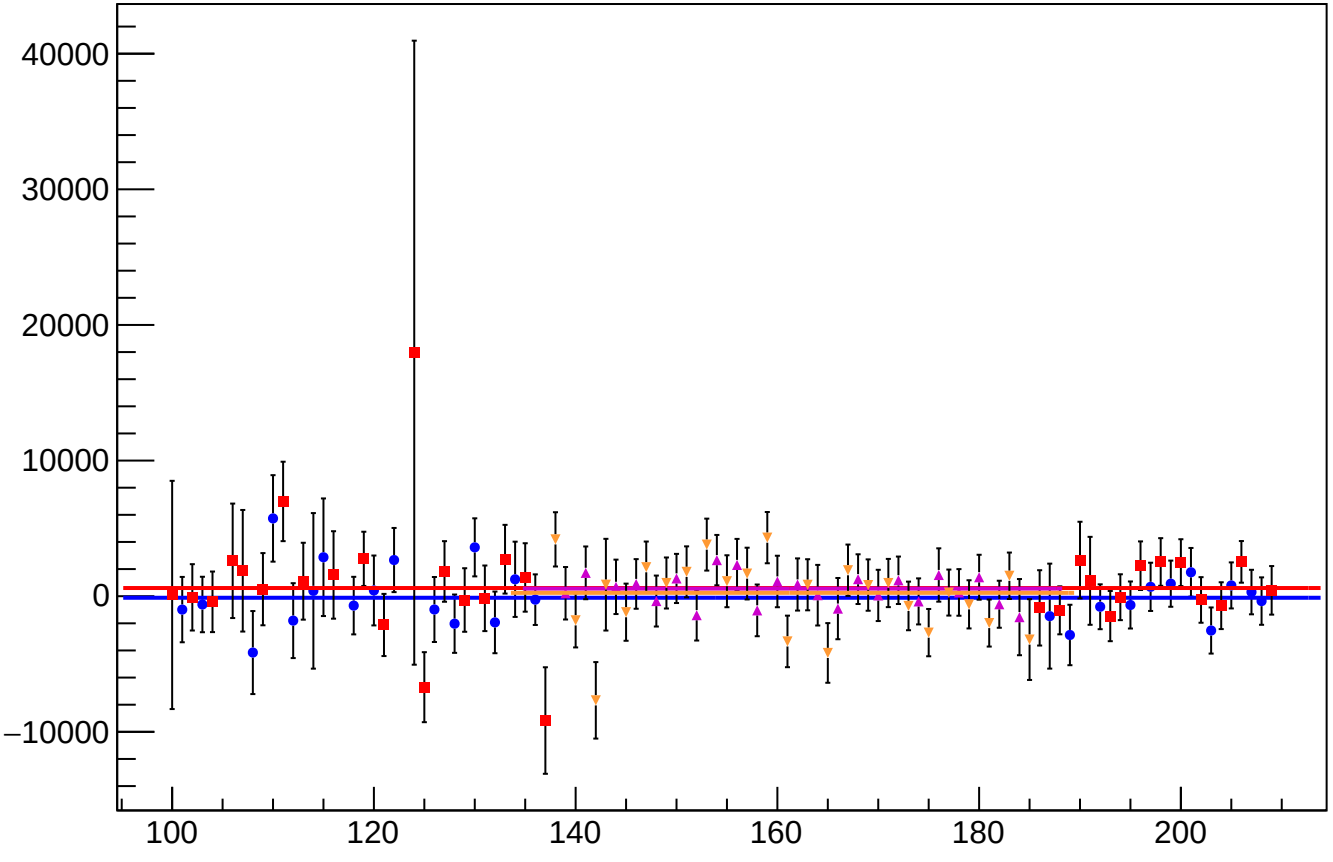
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1111.758+/-0.224 χ^2/NDF: 44942599.6/51

All: 991.948+/-0.153 χ^2/NDF: 97885630.9/10

- sign 887.274+/-0.209 χ^2/NDF: 52404764.4/54

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 603.074+/-401.650 χ^2/NDF: 32.9/31

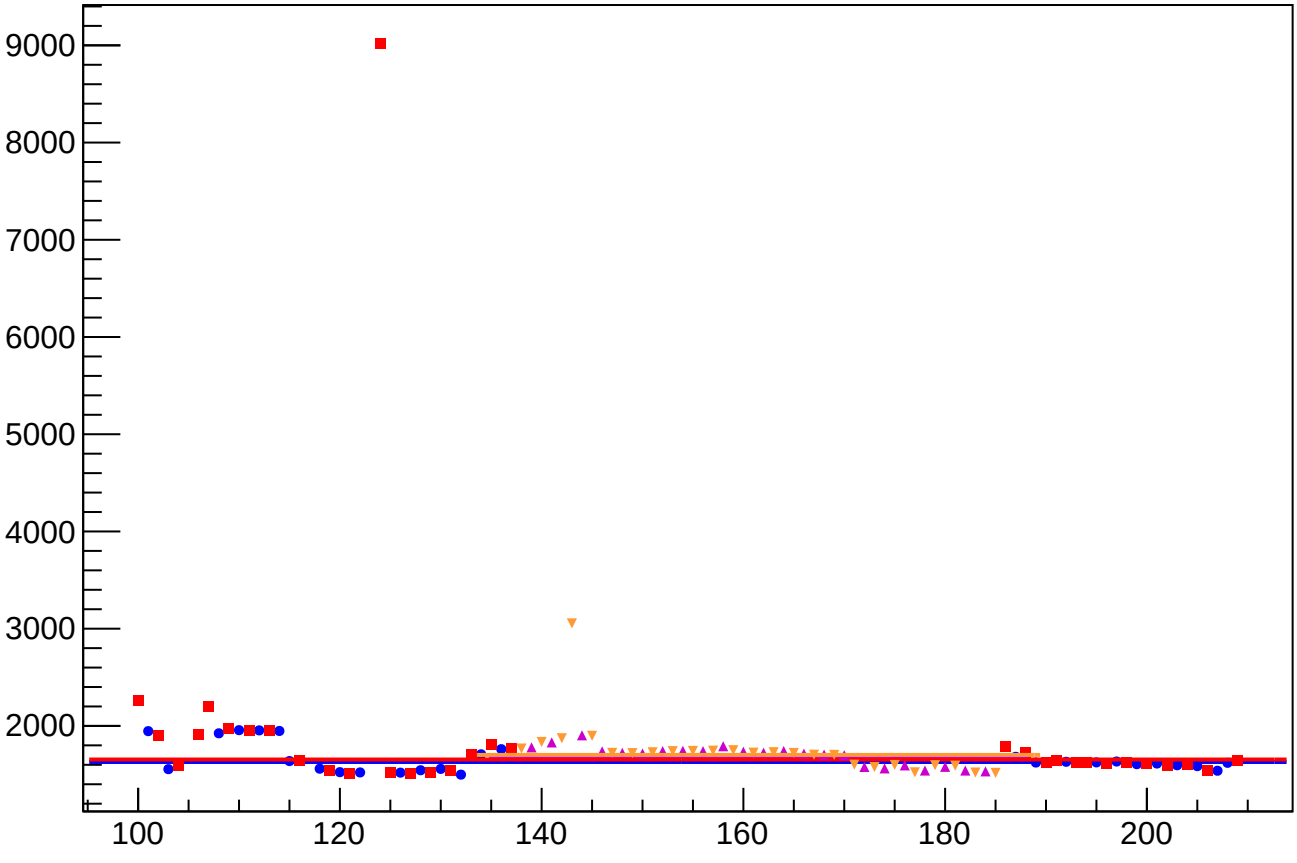
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 76.625+/-282.323 χ^2/NDF: 58.4/51

All: 329.479+/-199.401 χ^2/NDF: 100.5/106

- sign 581.163+/-281.670 χ^2/NDF: 40.4/54

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

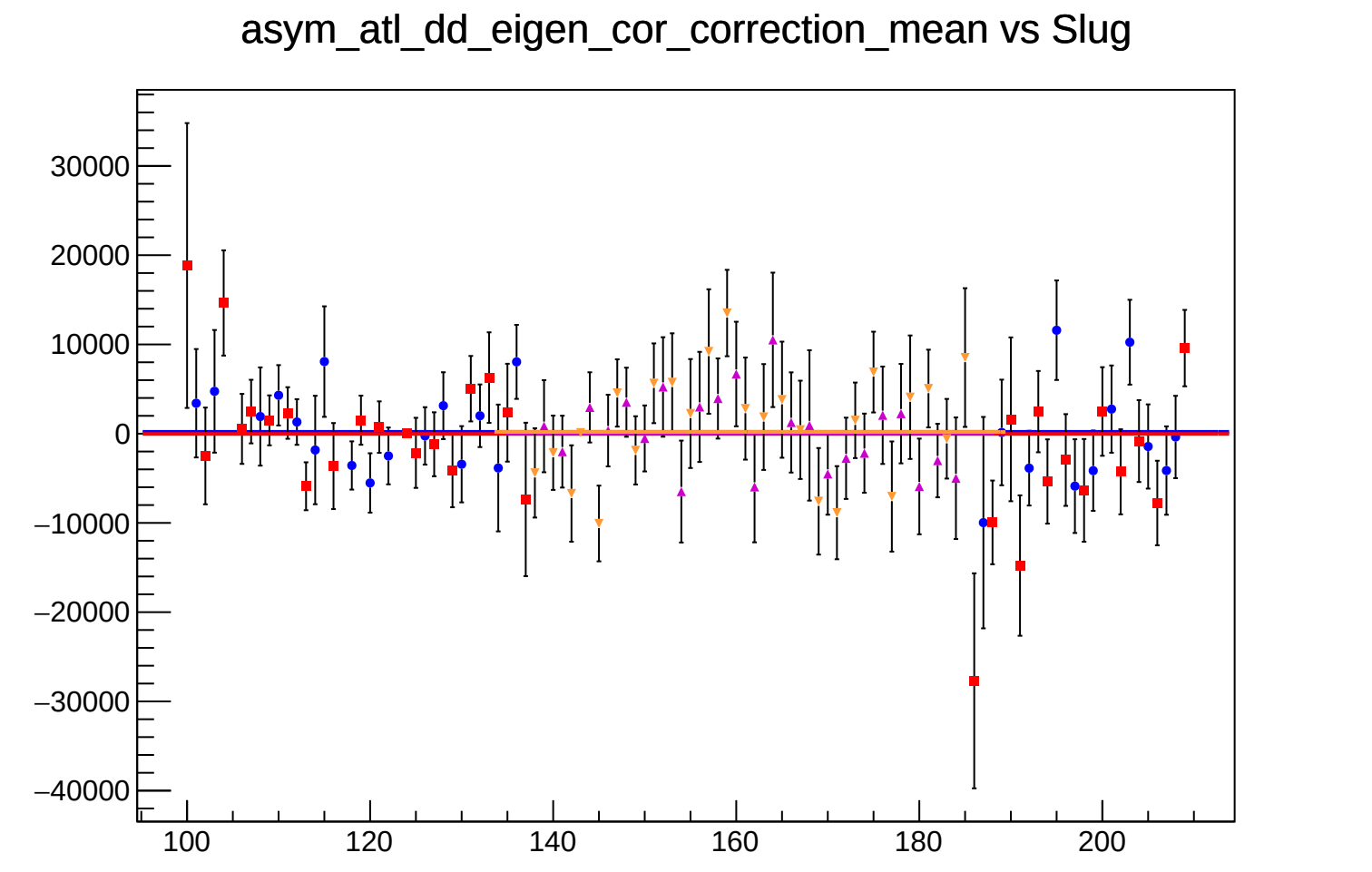
Right Out: 1654.276+/-0.284 χ^2/NDF: 423891.5/31

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1667.343+/-0.200 χ^2/NDF: 642308.4/51

All: 1669.692+/-0.141 χ^2/NDF: 1196517.4/10

- sign 1672.025+/-0.199 χ^2/NDF: 553933.1/54



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -29.706+/-308.568 χ^2/NDF: 46.0/31

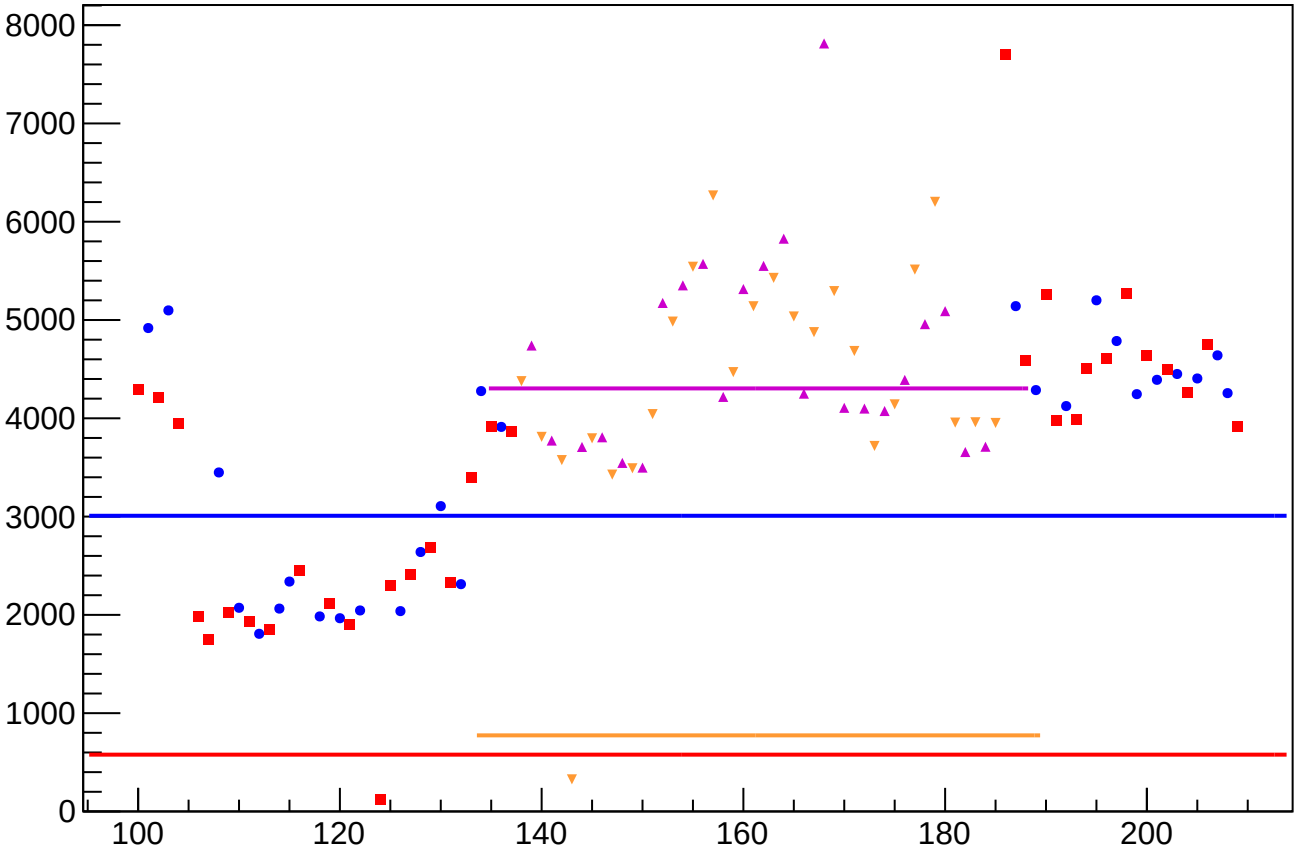
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 195.845+/-316.122 χ^2/NDF: 63.0/51

All: 78.057+/-215.865 χ^2/NDF: 122.5/106

- sign -24.852+/-295.481 χ^2/NDF: 59.3/54

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 577.919+/-0.218 χ^2/NDF: 26975746.2/31

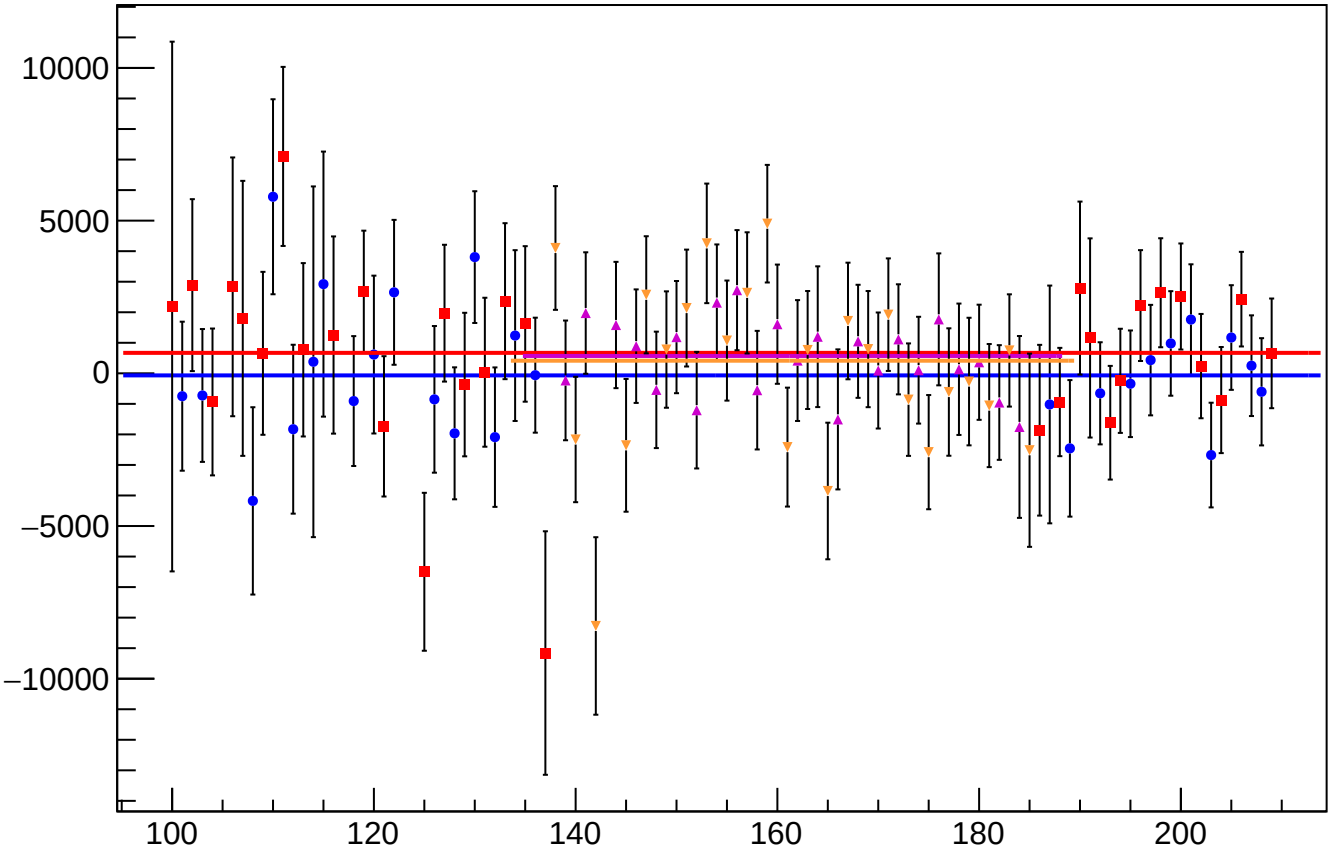
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1111.758+/-0.224 χ^2/NDF: 44942599.6/51

All: 991.948+/-0.153 χ^2/NDF: 97885630.9/10

- sign 887.274+/-0.209 χ^2/NDF: 52404764.4/54

dit_asym_atl_dd_mean vs Slug



Right In: -67.726+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 670.264+/-406.599 χ^2/NDF: 32.5/30

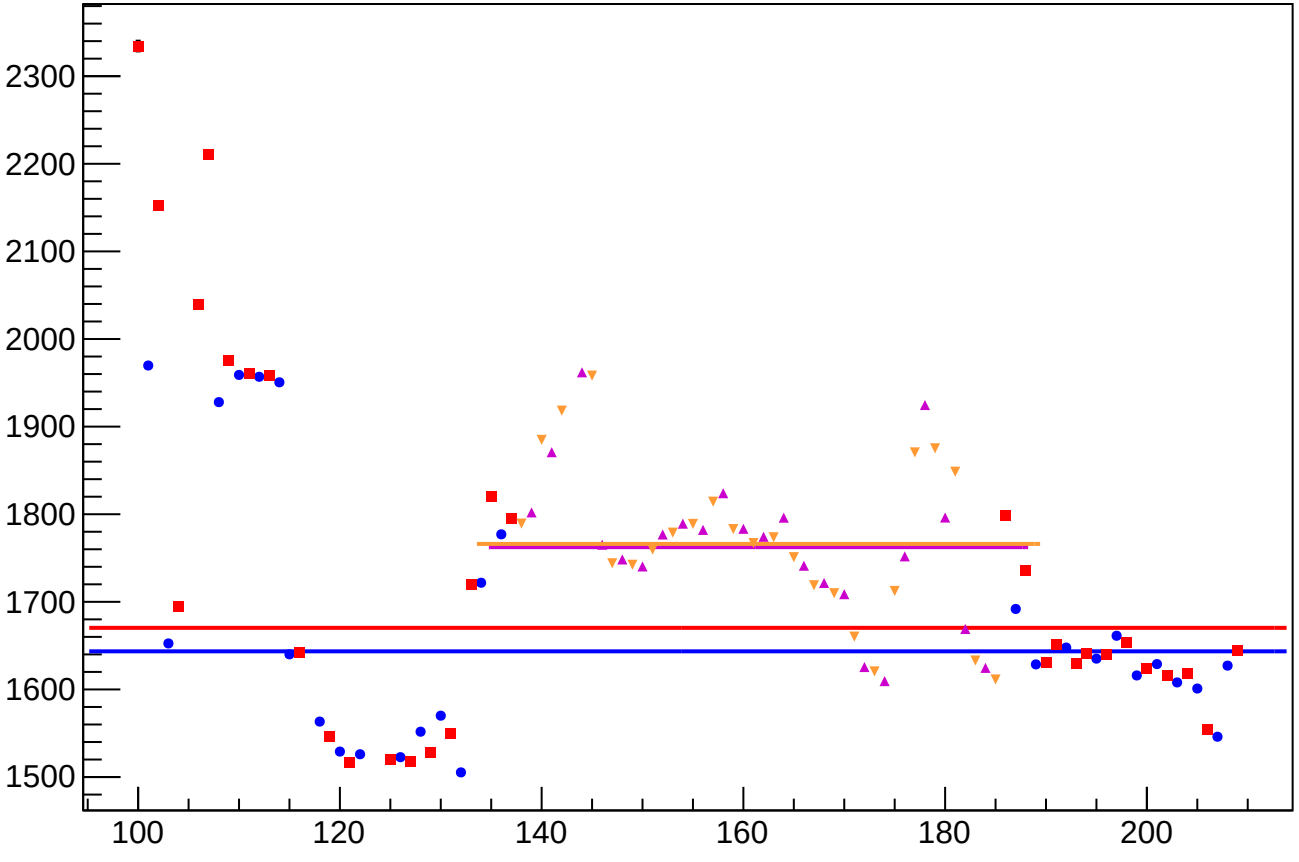
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 174.950+/-291.592 χ^2/NDF: 59.3/50

All: 399.251+/-205.414 χ^2/NDF: 100.8/104

- sign 620.219+/-289.418 χ^2/NDF: 40.3/53

dit_asym_atl_dd_rms vs Slug



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.9/26

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1670.322+/-0.287 χ^2/NDF: 265112.7/30

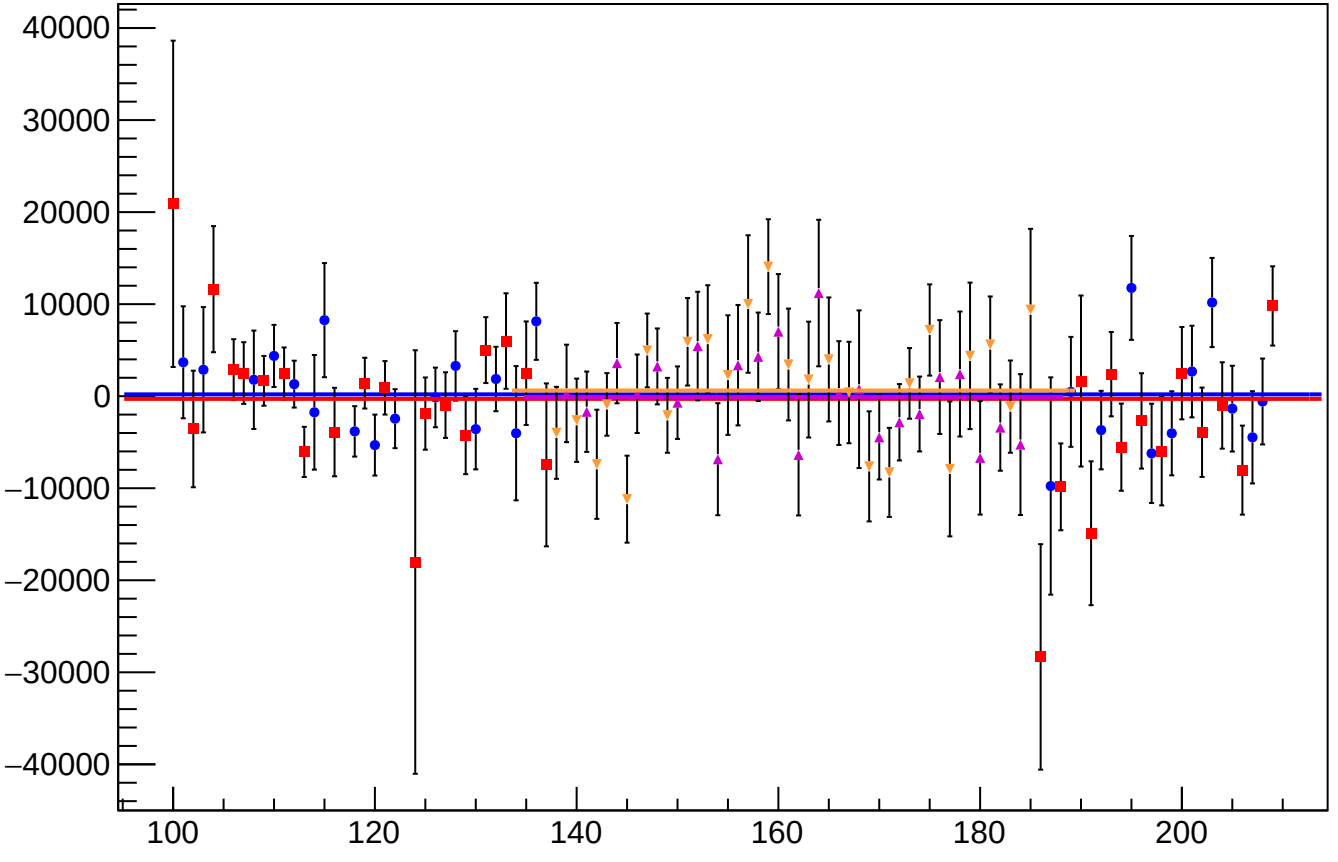
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1705.361+/-0.206 χ^2/NDF: 327722.4/50

All: 1710.575+/-0.145 χ^2/NDF: 724847.0/104

- sign 1715.708+/-0.205 χ^2/NDF: 395855.4/53

asym_atl_dd_dit_correction_mean vs Slug



Right In: 198.079+/-818.323 χ^2/NDF: 28.8/26

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -292.491+/-757.669 χ^2/NDF: 44.2/31

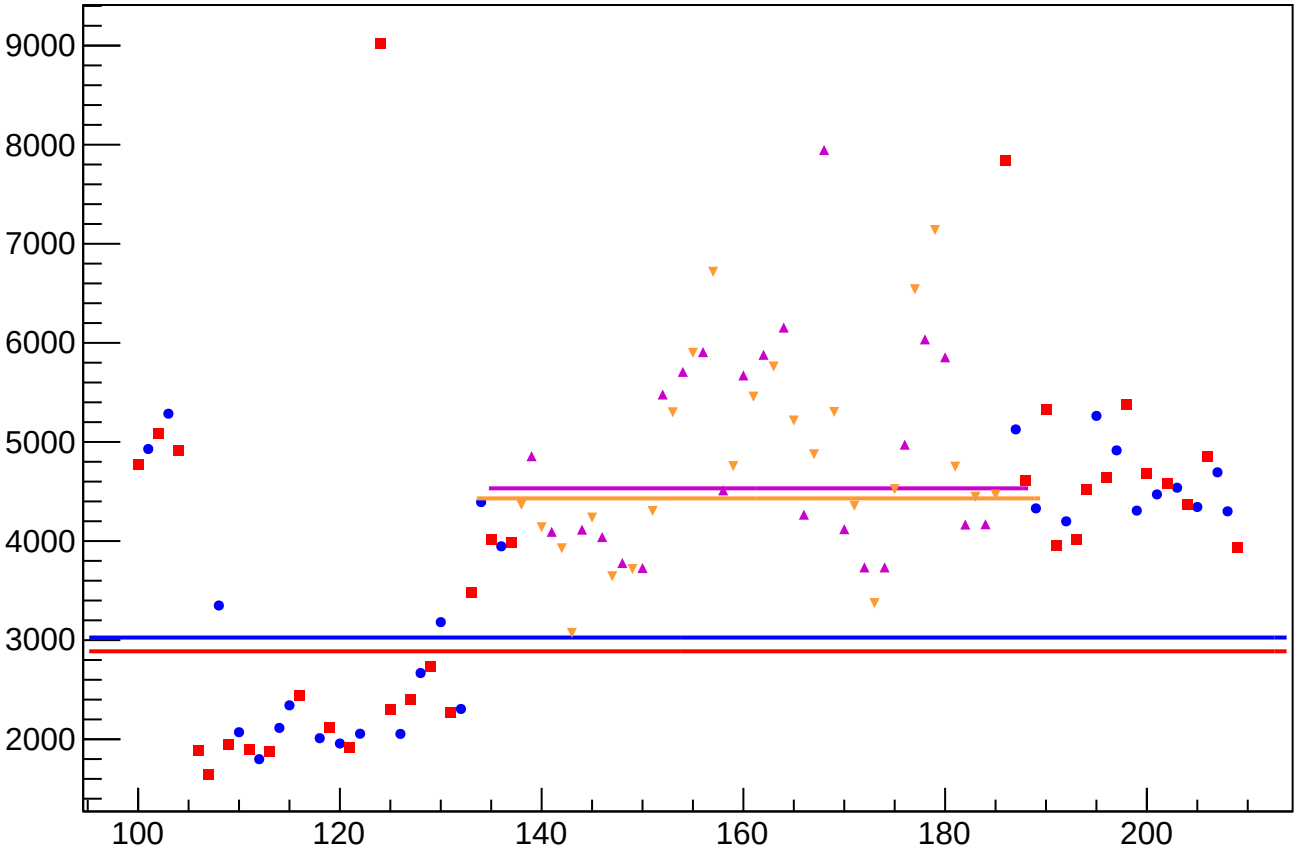
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 360.311+/-641.838 χ^2/NDF: 61.9/51

All: 58.165+/-446.198 χ^2/NDF: 119.5/106

- sign -224.434+/-620.730 χ^2/NDF: 57.1/54

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3026.488+/-0.579 χ^2/NDF: 4155367.4/26

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2887.530+/-0.536 χ^2/NDF: 5339842.0/31

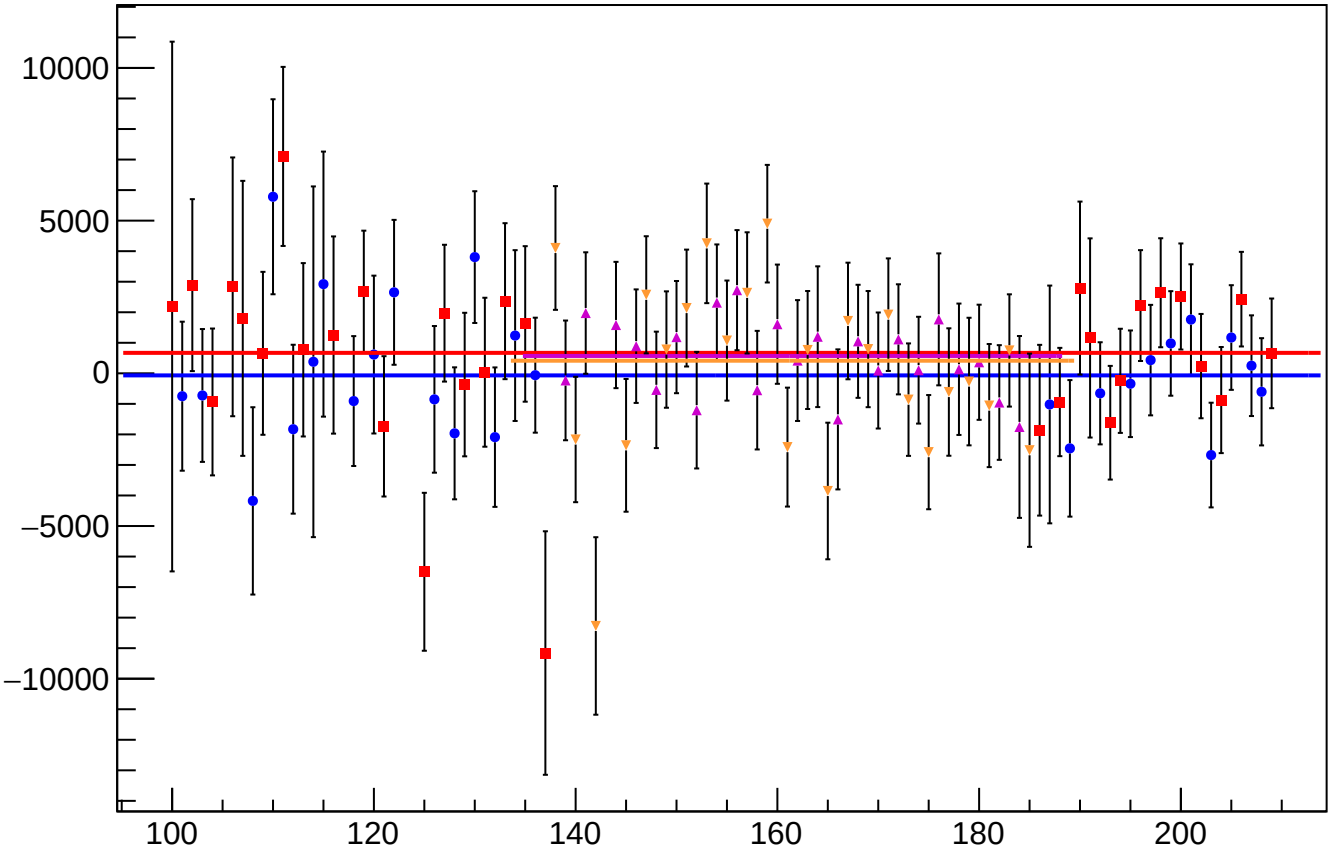
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3566.895+/-0.454 χ^2/NDF: 8035180.0/51

All: 3495.243+/-0.316 χ^2/NDF: 17897409.5/1

- sign 3428.228+/-0.439 χ^2/NDF: 9813993.2/54

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -67.728+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 670.262+/-406.599 χ^2/NDF: 32.5/30

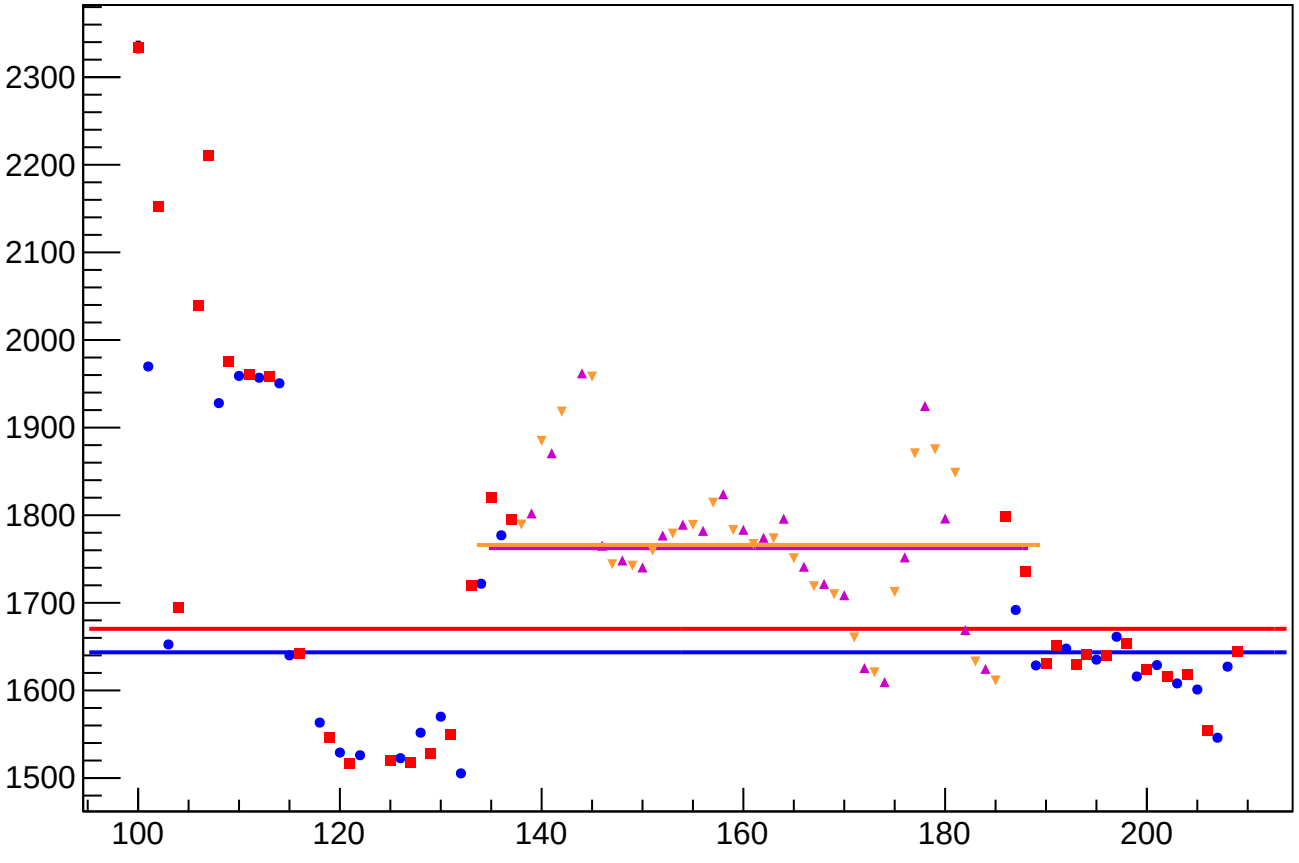
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 174.950+/-291.592 χ^2/NDF: 59.3/50

All: 399.250+/-205.414 χ^2/NDF: 100.8/104

- sign 620.217+/-289.418 χ^2/NDF: 40.3/53

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.8/26

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

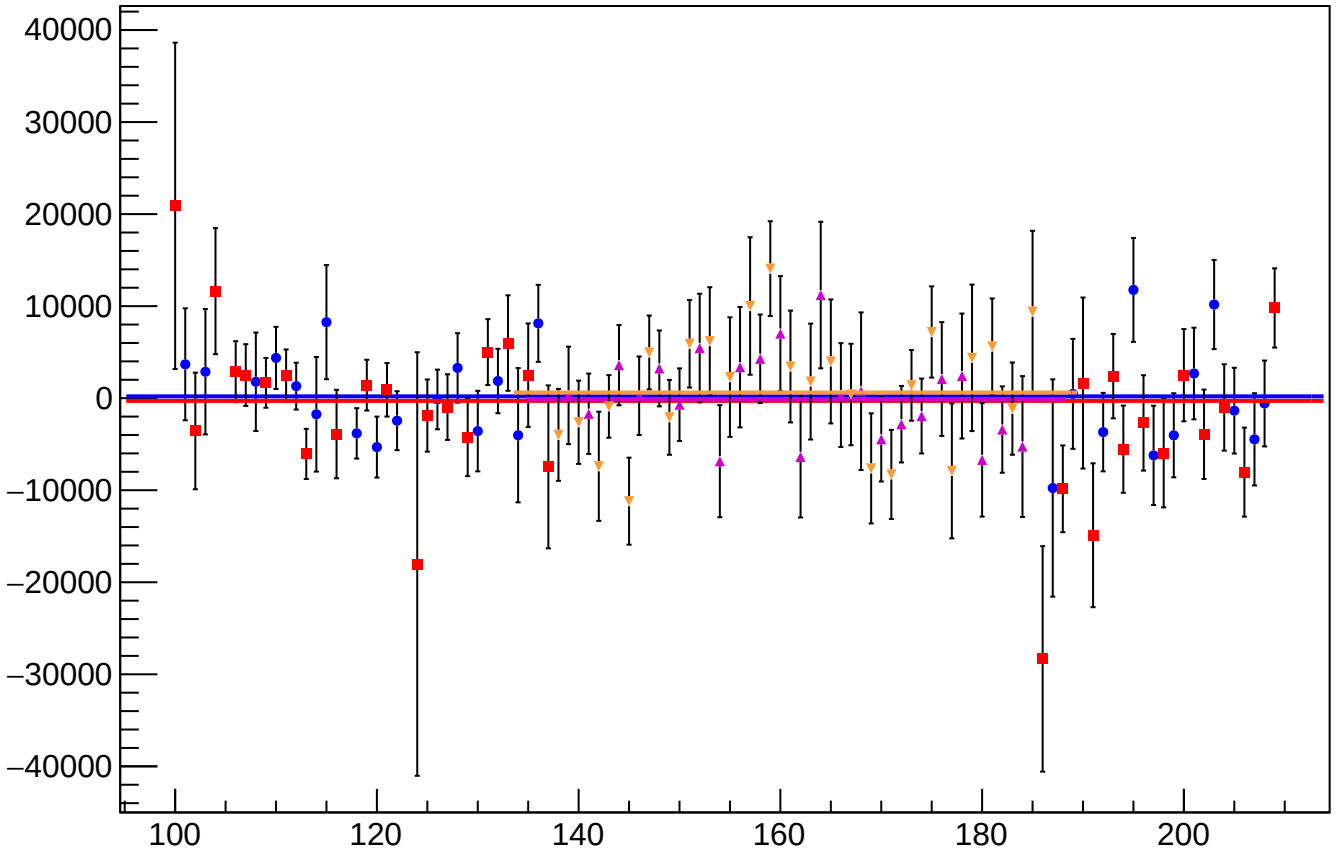
Right Out: 1670.322+/-0.287 χ^2/NDF: 265111.4/30

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1705.361+/-0.206 χ^2/NDF: 327726.6/50

All: 1710.576+/-0.145 χ^2/NDF: 724853.5/104

- sign 1715.709+/-0.205 χ^2/NDF: 395857.6/53



Right In: 198.074+/-818.321 χ^2/NDF: 28.8/26

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -292.484+/-757.668 χ^2/NDF: 44.2/31

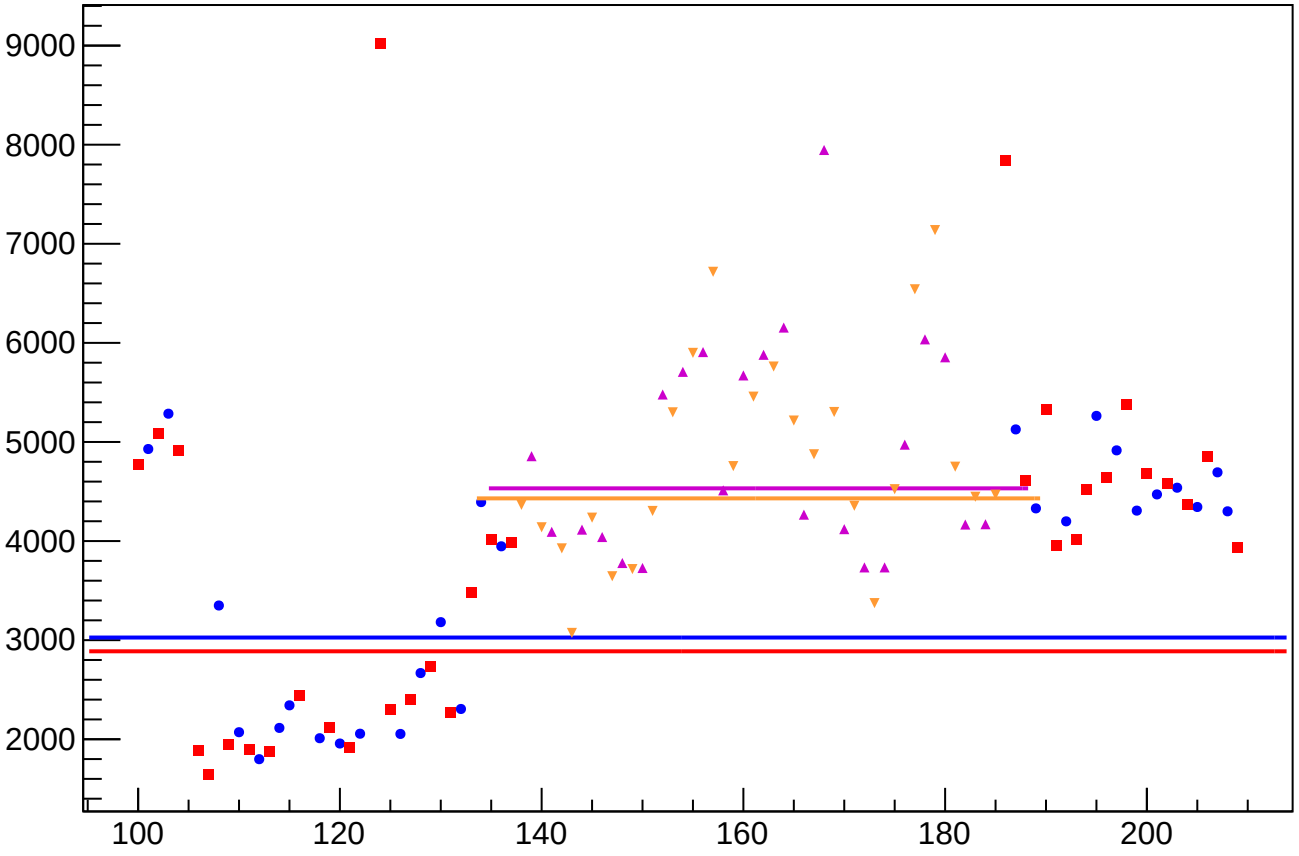
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 360.309+/-641.838 χ^2/NDF: 61.9/51

All: 58.166+/-446.198 χ^2/NDF: 119.5/106

- sign -224.430+/-620.729 χ^2/NDF: 57.1/54

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3026.478+/-0.579 χ^2/NDF: 4155429.3/26

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

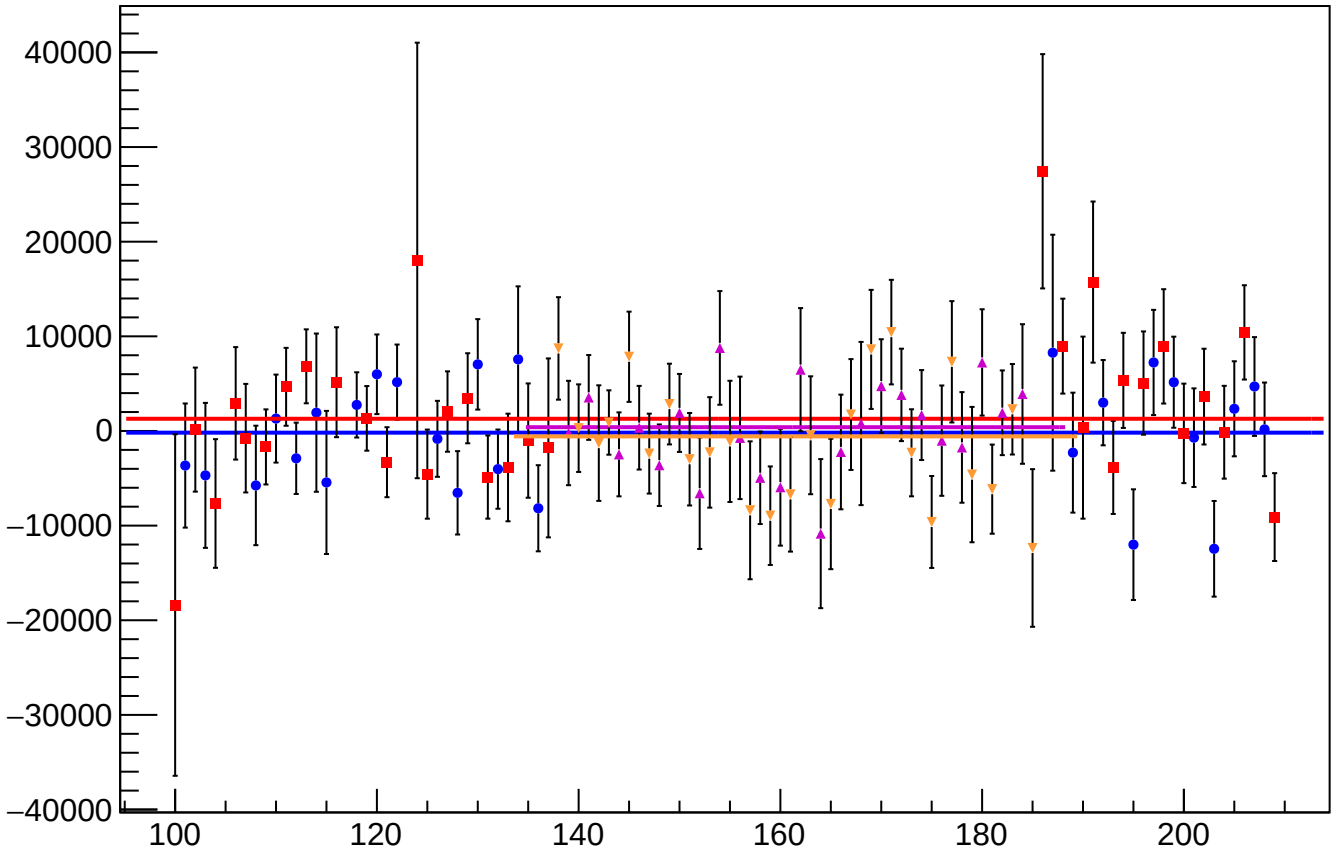
Right Out: 2887.521+/-0.536 χ^2/NDF: 5339896.4/31

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3566.888+/-0.454 χ^2/NDF: 8035298.7/51

All: 3495.237+/-0.316 χ^2/NDF: 17897642.1/1

- sign 3428.221+/-0.439 χ^2/NDF: 9814106.8/54



Right In: -179.064+/-963.964 χ^2/NDF: 31.8/26

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1289.400+/-925.439 χ^2/NDF: 36.0/31

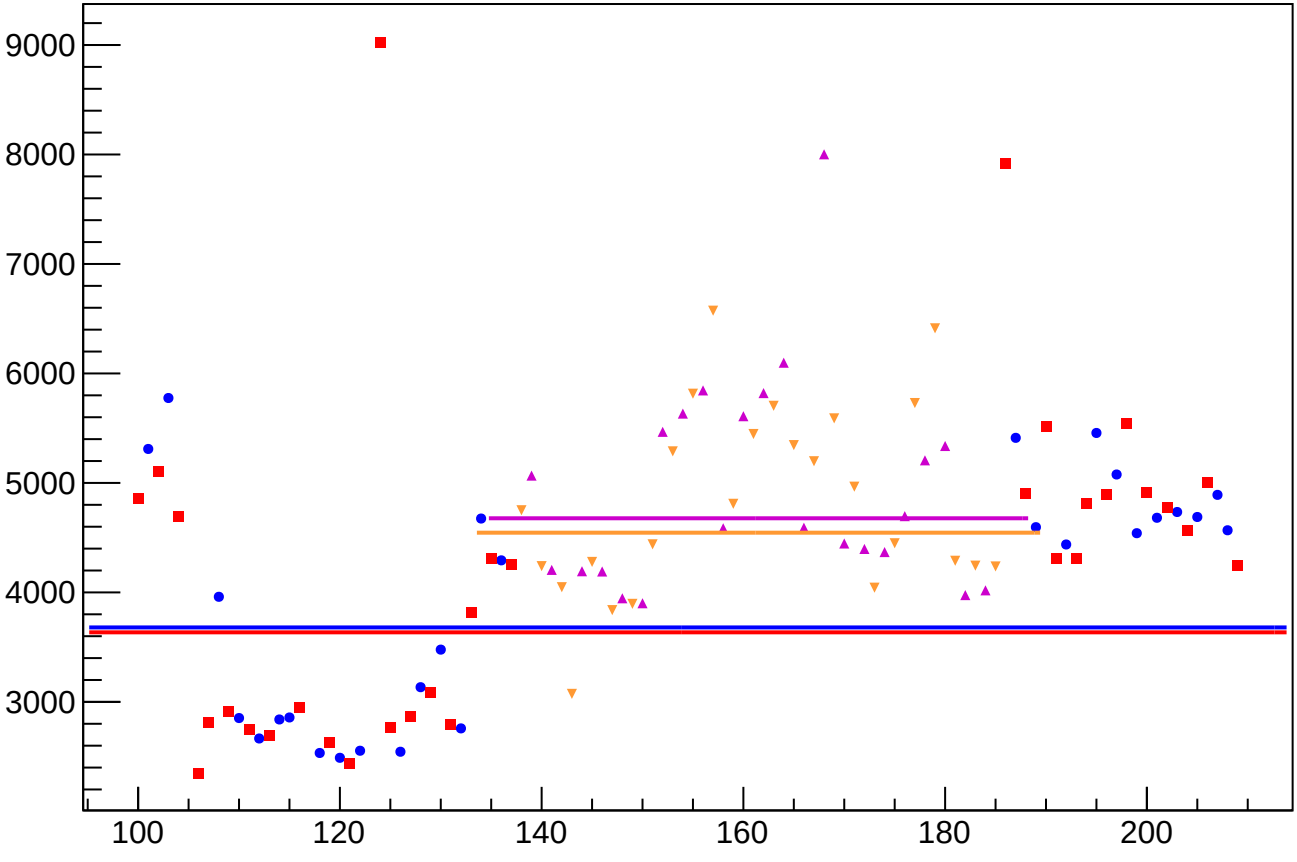
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

\+ sign -358.391+/-711.587 χ^2/NDF: 60.6/51

All: 283.548+/-502.843 χ^2/NDF: 112.7/106

\- sign 923.835+/-710.670 χ^2/NDF: 50.4/54

asym_atl_dd_rms vs Slug



Right In: 3680.066+/-0.682 χ^2/NDF: 2358392.3/26

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3635.300+/-0.649 χ^2/NDF: 2814875.5/31

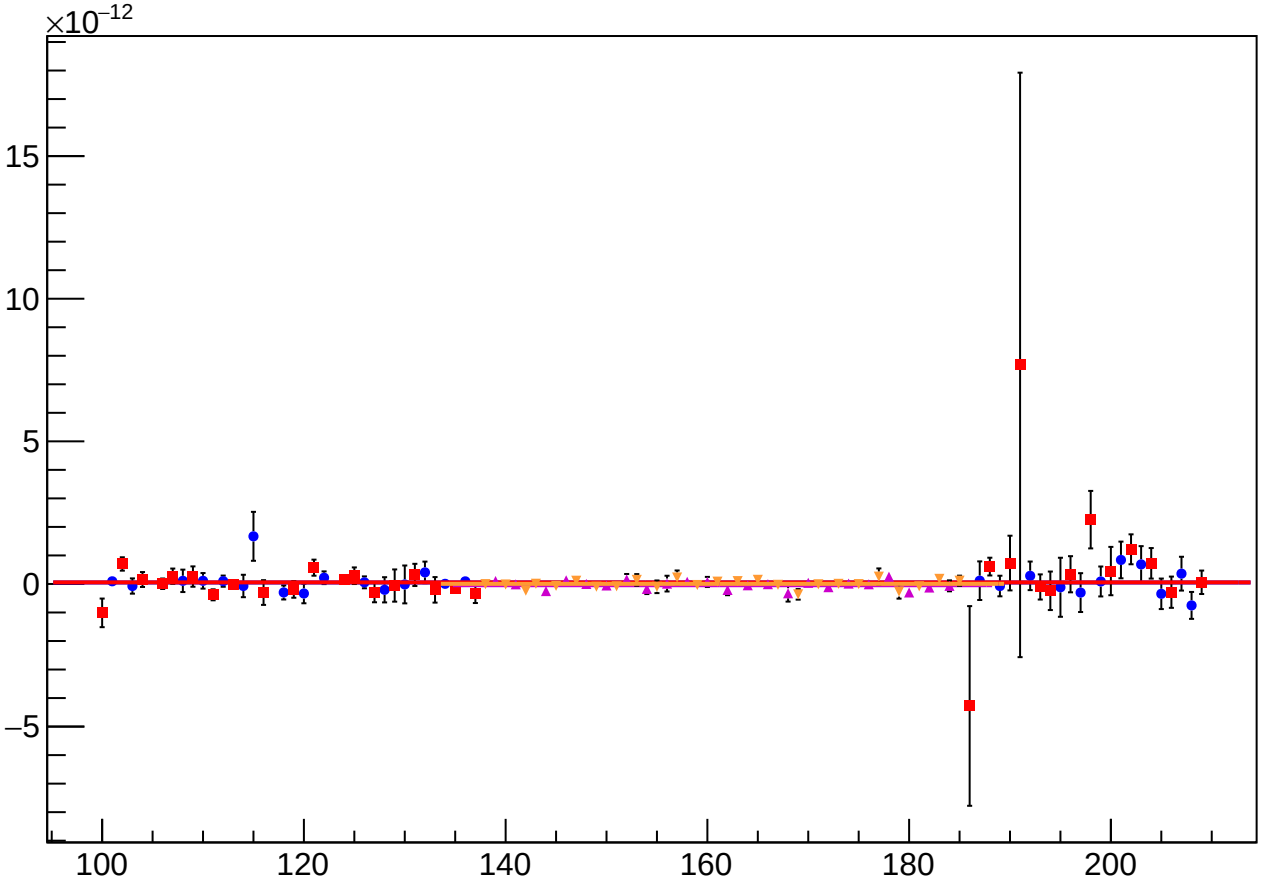
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4073.902+/-0.503 χ^2/NDF: 4350514.5/51

All: 4066.048+/-0.355 χ^2/NDF: 9173043.9/10

- sign 4058.295+/-0.500 χ^2/NDF: 4822045.3/54

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/31

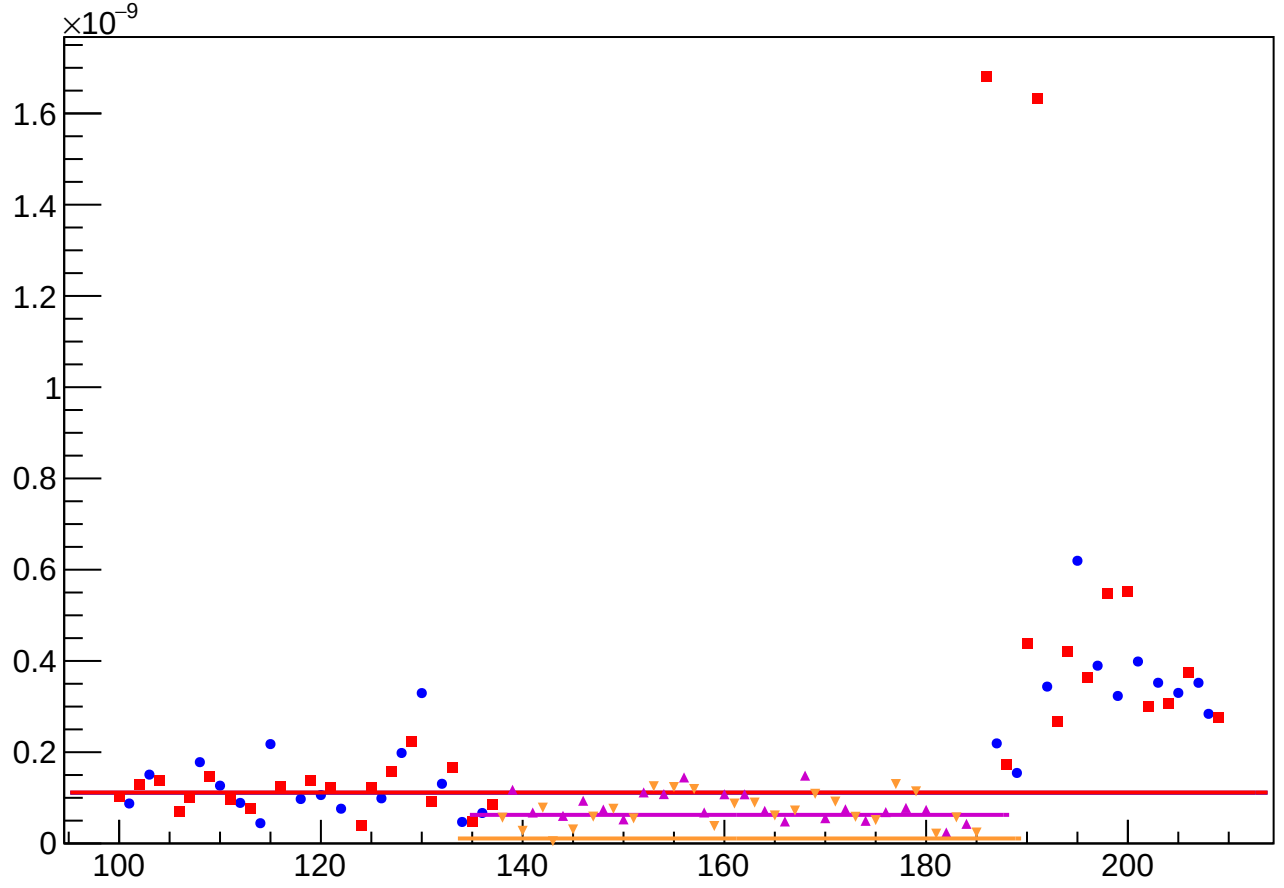
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.1/51

All: 0.000+/-0.000 χ^2/NDF: 108.7/106

- sign -0.000+/-0.000 χ^2/NDF: 72.2/54

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4523057.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5327186.2/31

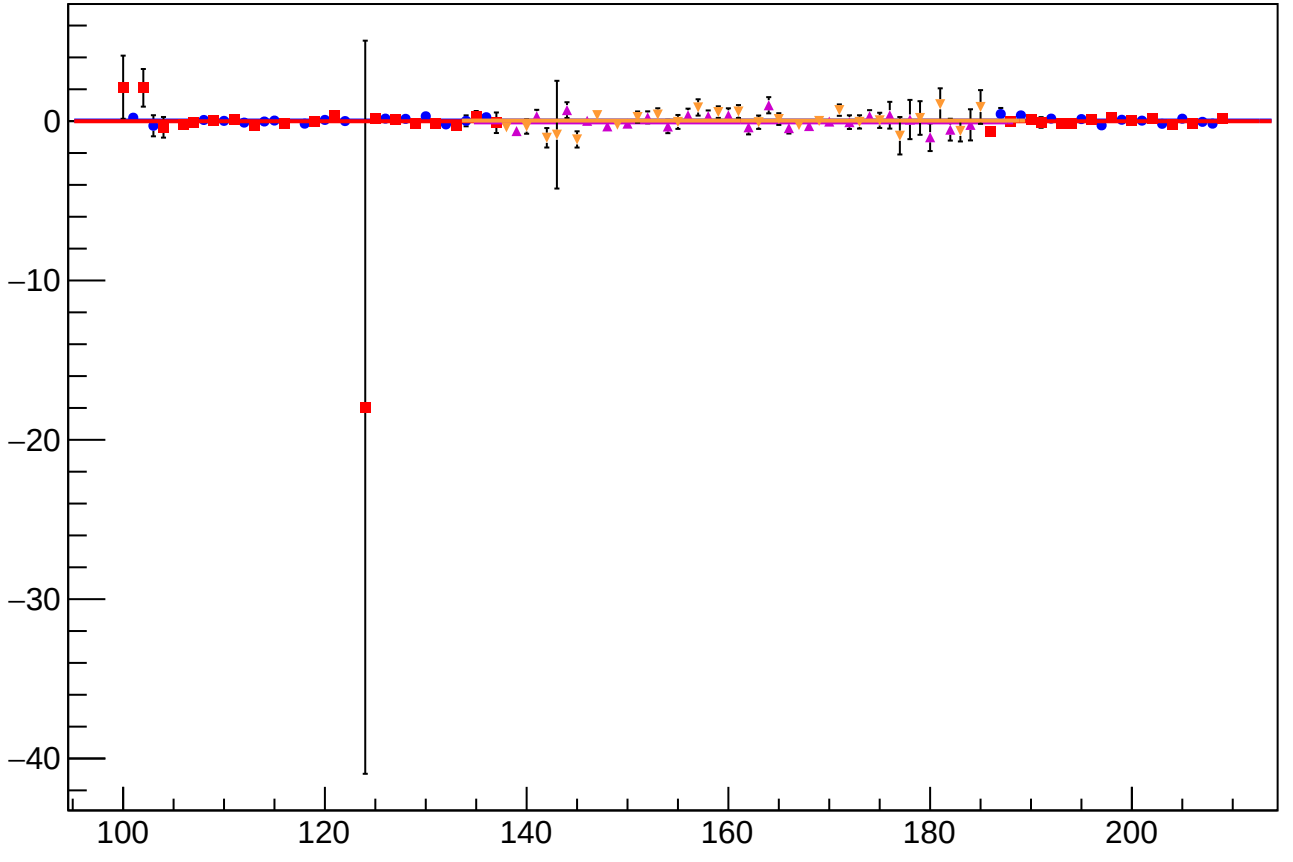
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 21090247.0/51

All: 0.000+/-0.000 χ^2/NDF: 41289967.3/106

- sign 0.000+/-0.000 χ^2/NDF: 8815076.4/54

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.007+/-0.032 χ^2/NDF: 35.2/31

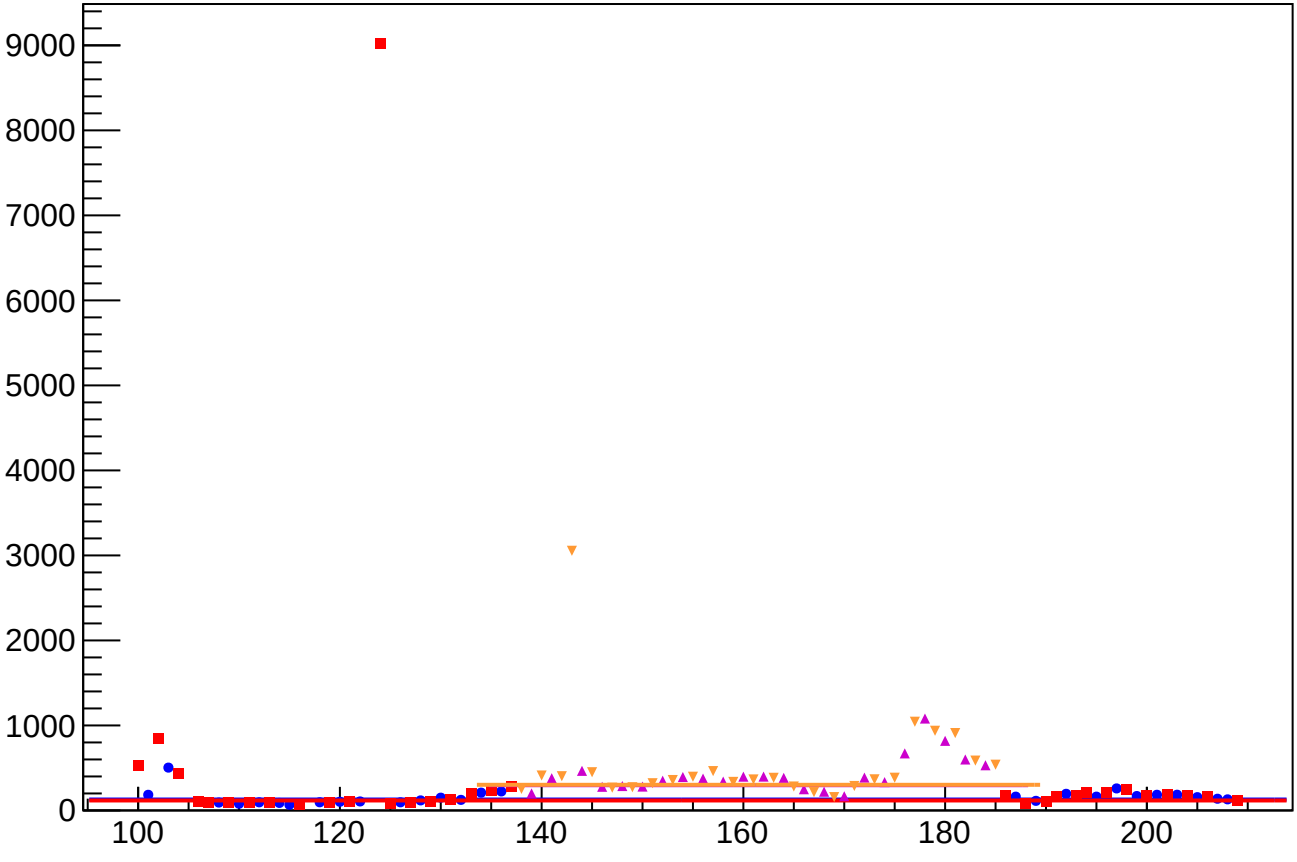
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.008+/-0.022 χ^2/NDF: 110.8/106

- sign -0.018+/-0.030 χ^2/NDF: 60.0/54

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.415+/-0.023 χ^2/NDF: 5411293.0/31

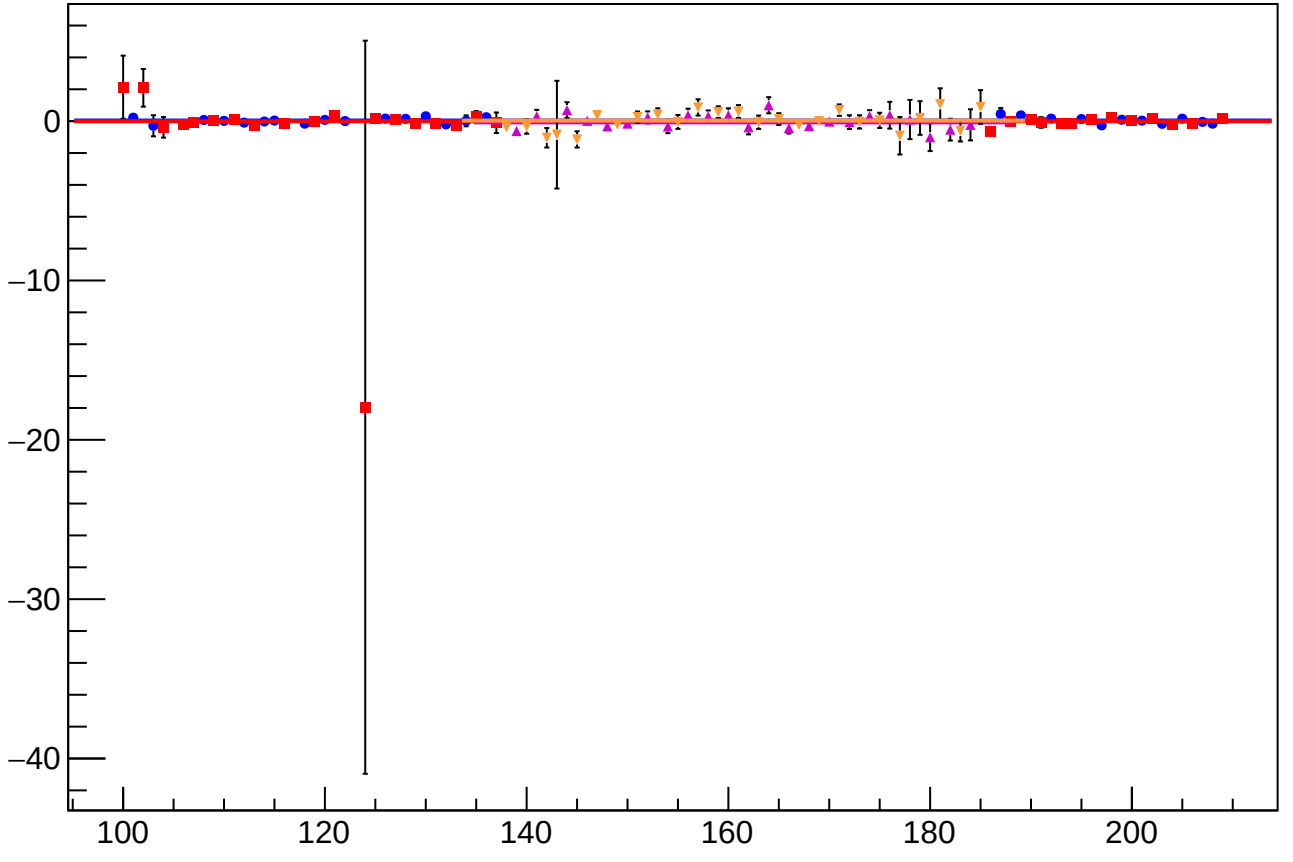
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.747+/-0.023 χ^2/NDF: 18501262.7/51

All: 151.115+/-0.015 χ^2/NDF: 38564488.5/10

- sign 144.651+/-0.021 χ^2/NDF: 19853902.3/54

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.007+/-0.032 χ^2/NDF: 35.2/31

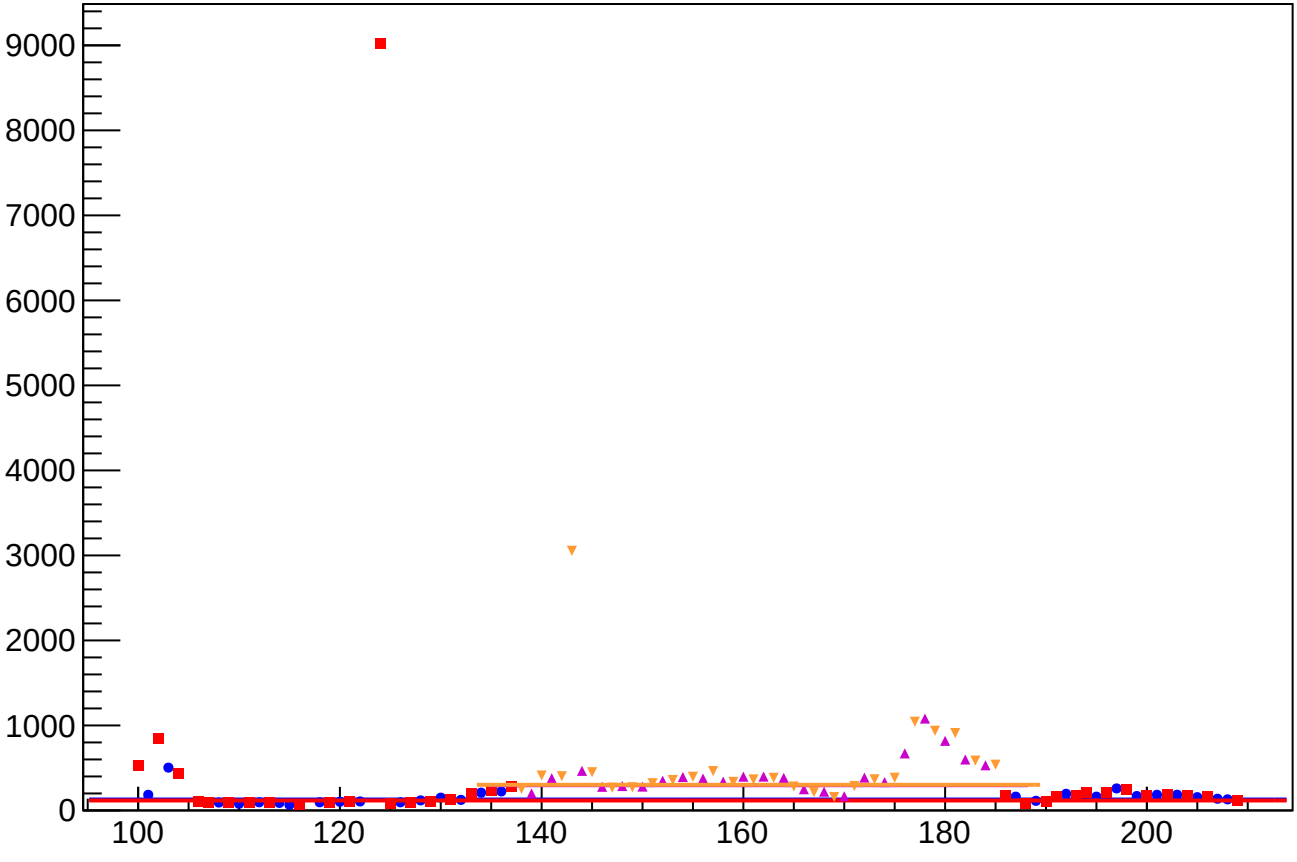
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.008+/-0.022 χ^2/NDF: 110.8/106

- sign -0.018+/-0.030 χ^2/NDF: 60.0/54

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

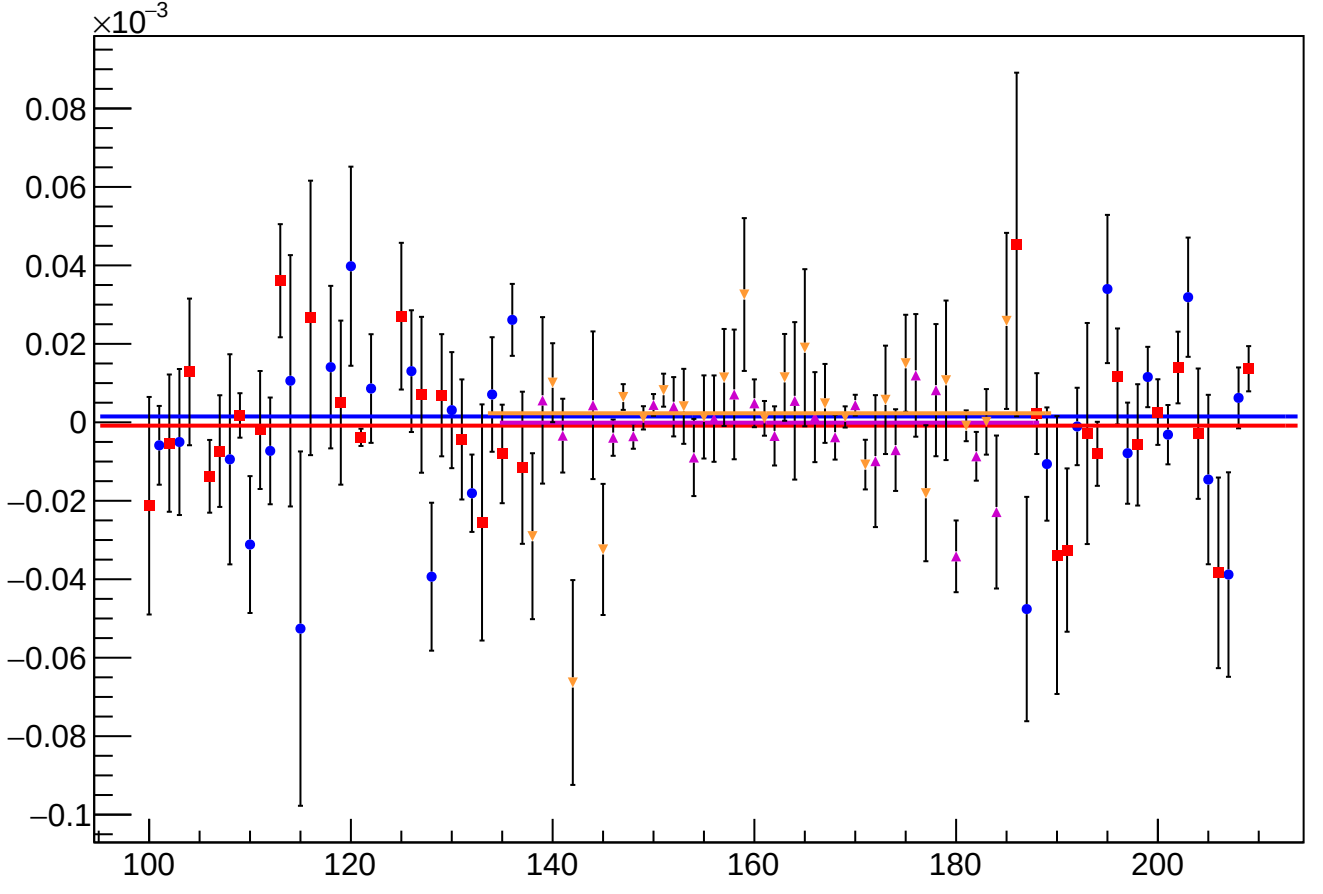
Right Out: 117.415+/-0.023 χ^2/NDF: 5411293.0/31

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 158.747+/-0.023 χ^2/NDF: 18501262.7/51

All: 151.115+/-0.015 χ^2/NDF: 38564488.5/10

- sign 144.651+/-0.021 χ^2/NDF: 19853902.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 42.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

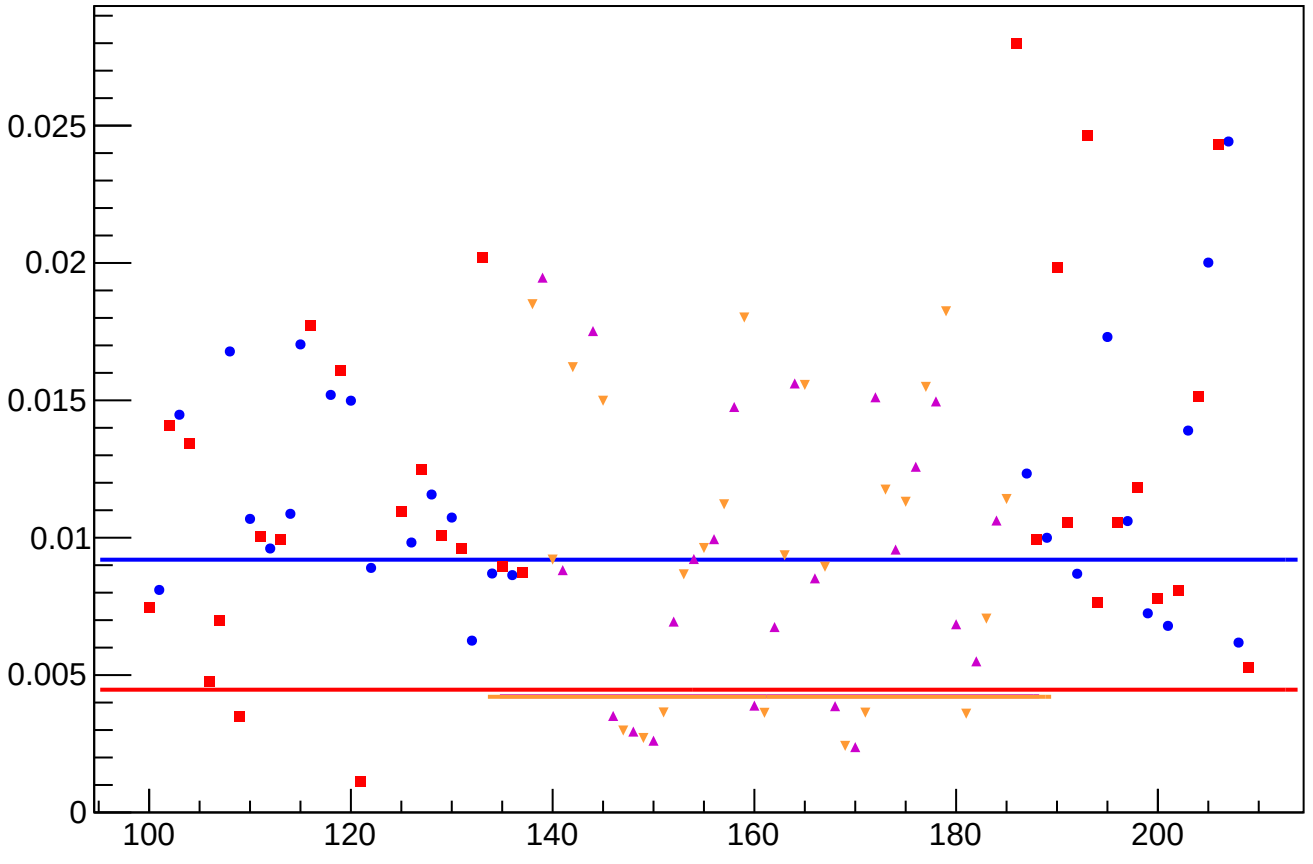
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/30

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.6/50

All: 0.000+/-0.000 χ^2/NDF: 140.1/104

- sign -0.000+/-0.000 χ^2/NDF: 63.7/53



Right In: 0.009+/-0.000 χ^2/NDF: 3381264.2/26

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16097443.4/30

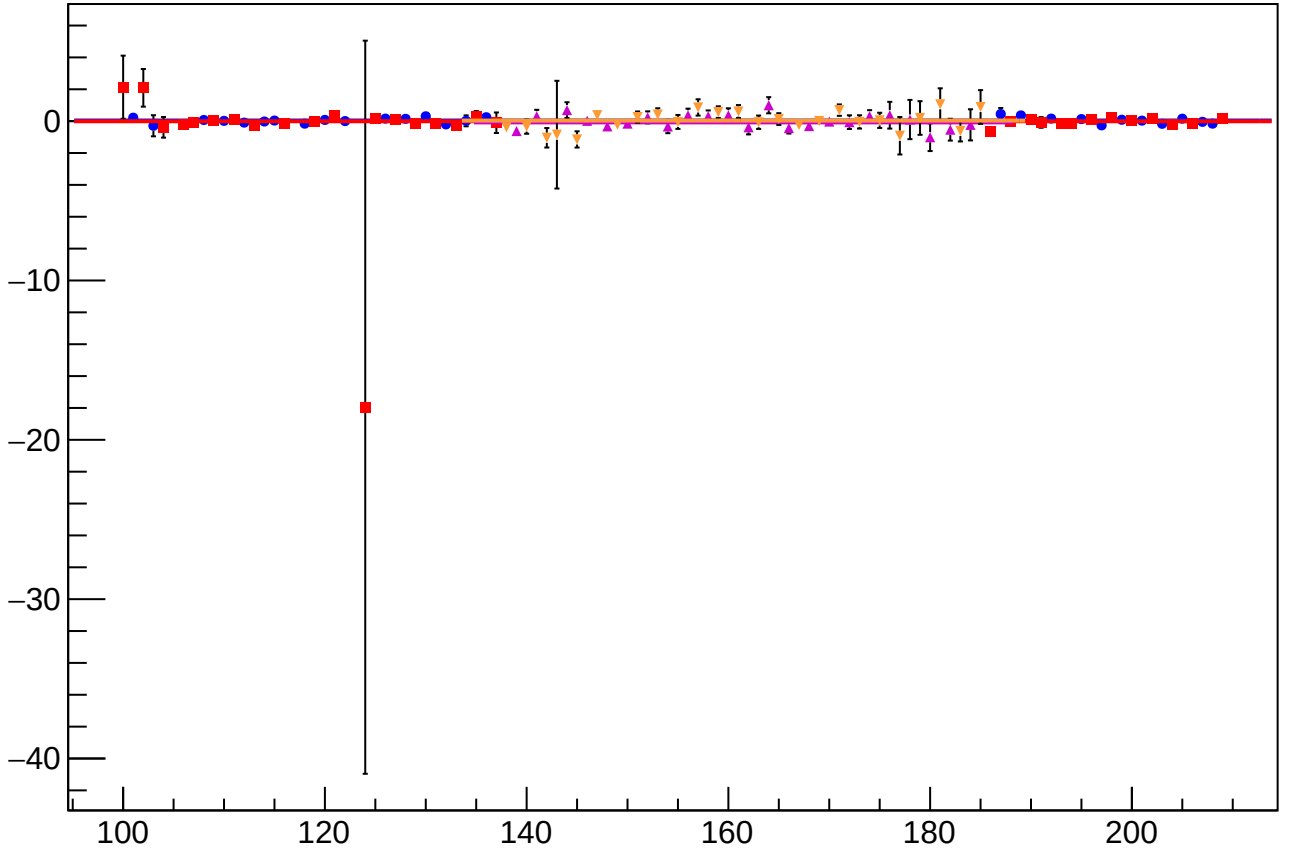
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 21707348.5/50

All: 0.005+/-0.000 χ^2/NDF: 49532909.0/104

- sign 0.004+/-0.000 χ^2/NDF: 27159446.9/53

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.007+/-0.032 χ^2/NDF: 35.2/31

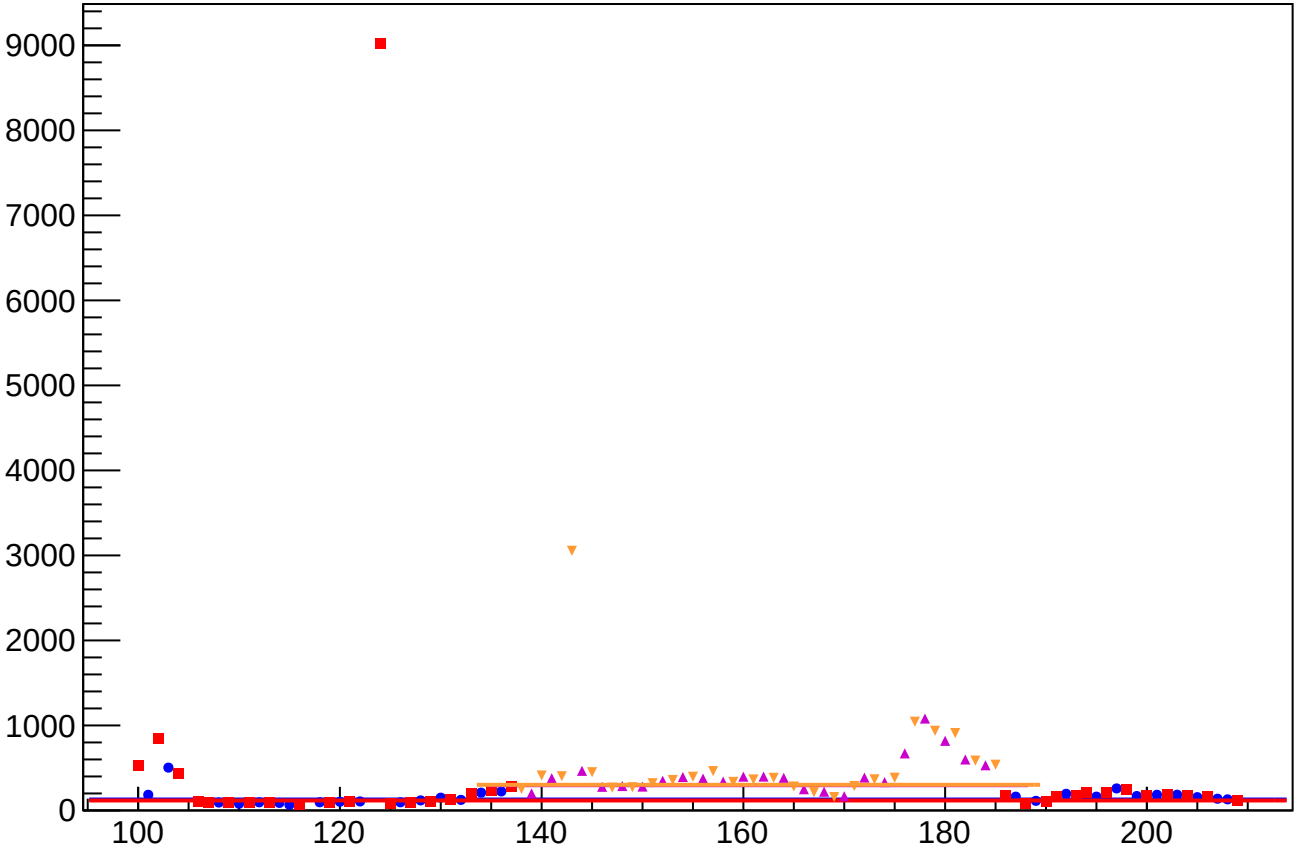
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.008+/-0.022 χ^2/NDF: 110.8/106

- sign -0.018+/-0.030 χ^2/NDF: 60.0/54

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

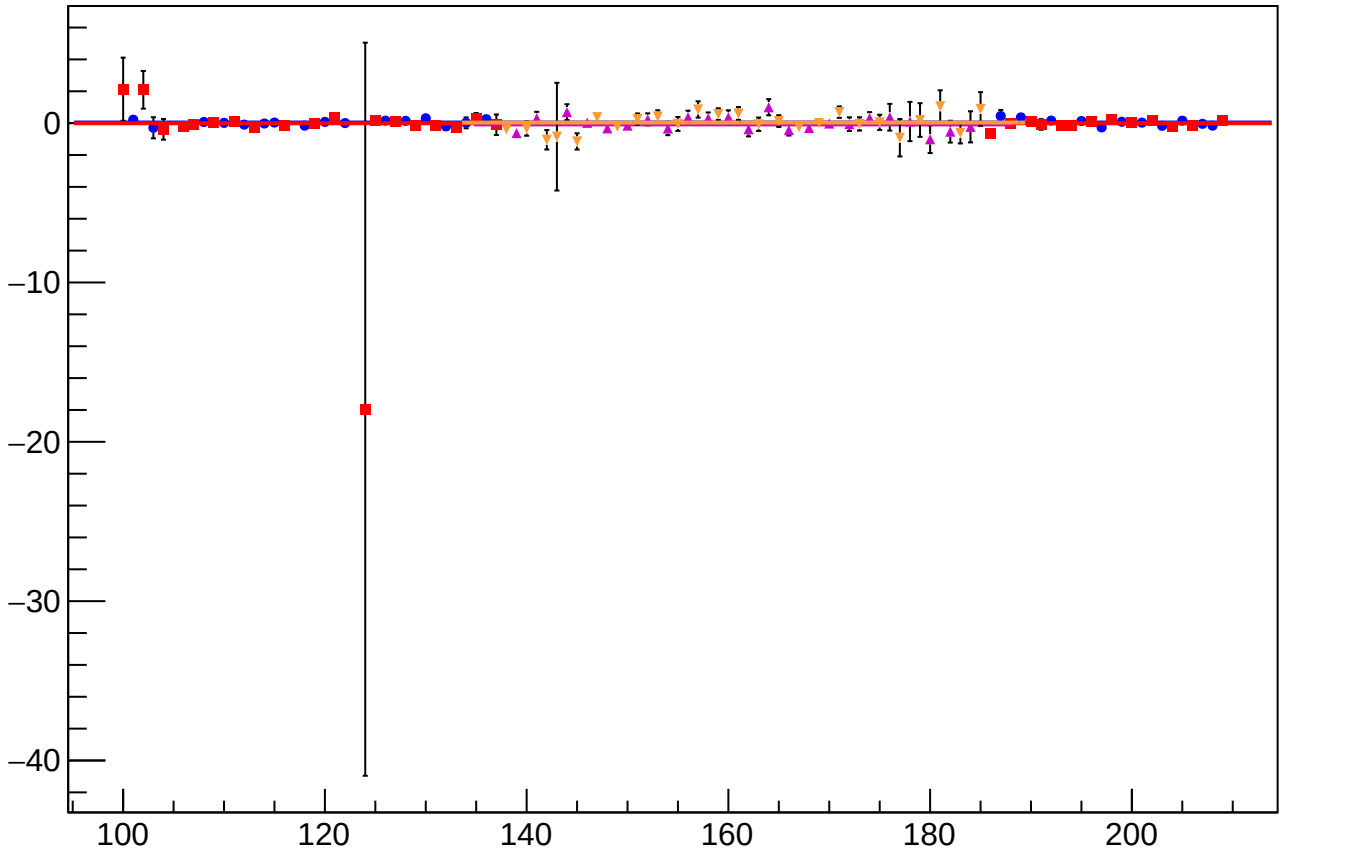
Right Out: 117.415+/-0.023 χ^2/NDF: 5411215.8/31

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.748+/-0.023 χ^2/NDF: 18501299.1/51

All: 151.116+/-0.015 χ^2/NDF: 38564480.9/10

- sign 144.652+/-0.021 χ^2/NDF: 19853865.0/54



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

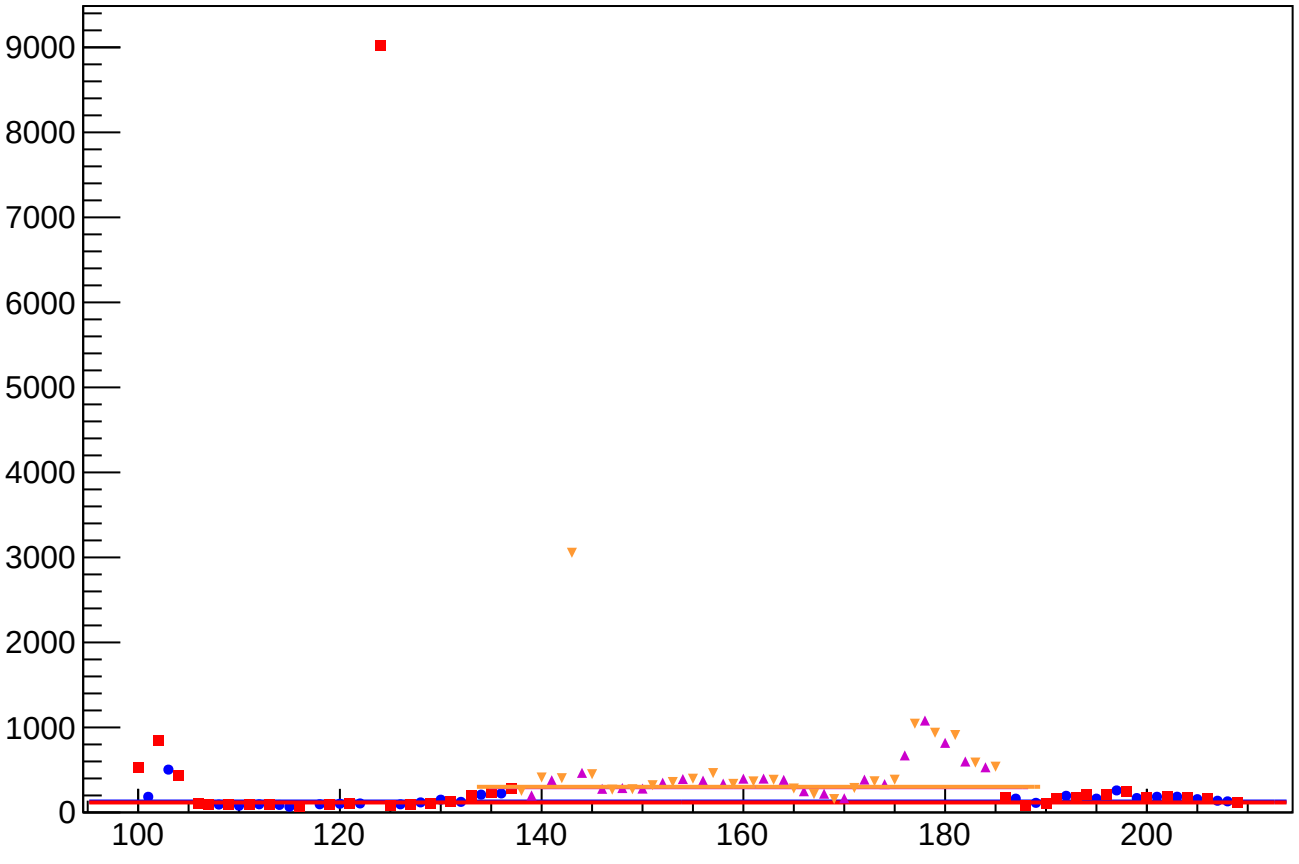
Right Out: -0.007+/-0.032 χ^2/NDF: 35.2/31

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.037+/-0.032 χ^2/NDF: 49.2/51

All: 0.008+/-0.022 χ^2/NDF: 110.8/106

- sign -0.018+/-0.030 χ^2/NDF: 60.0/54



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

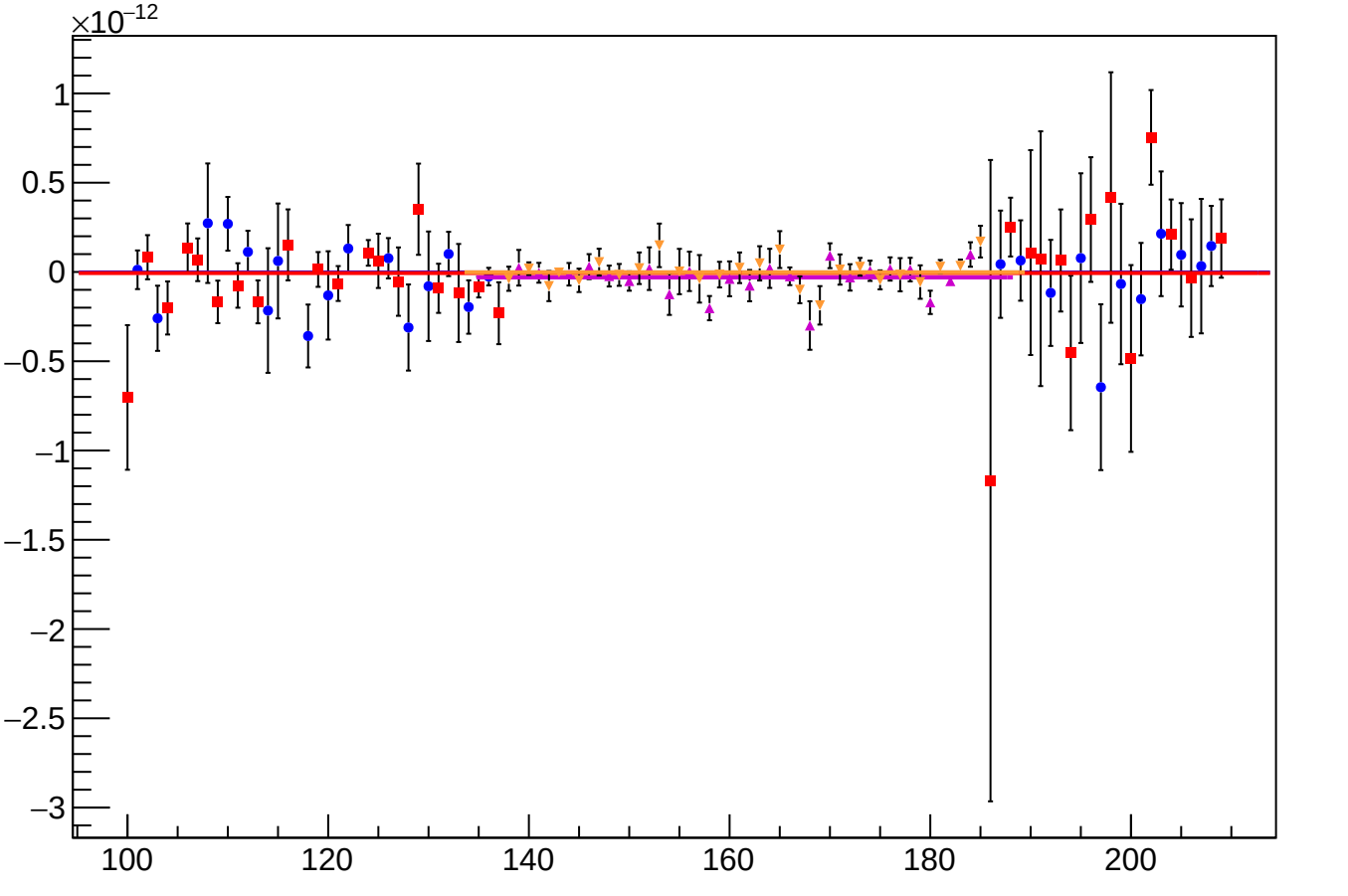
Right Out: 117.415+/-0.023 χ^2/NDF: 5411215.8/31

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 158.748+/-0.023 χ^2/NDF: 18501299.1/51

All: 151.116+/-0.015 χ^2/NDF: 38564480.9/10

- sign 144.652+/-0.021 χ^2/NDF: 19853865.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.5/31

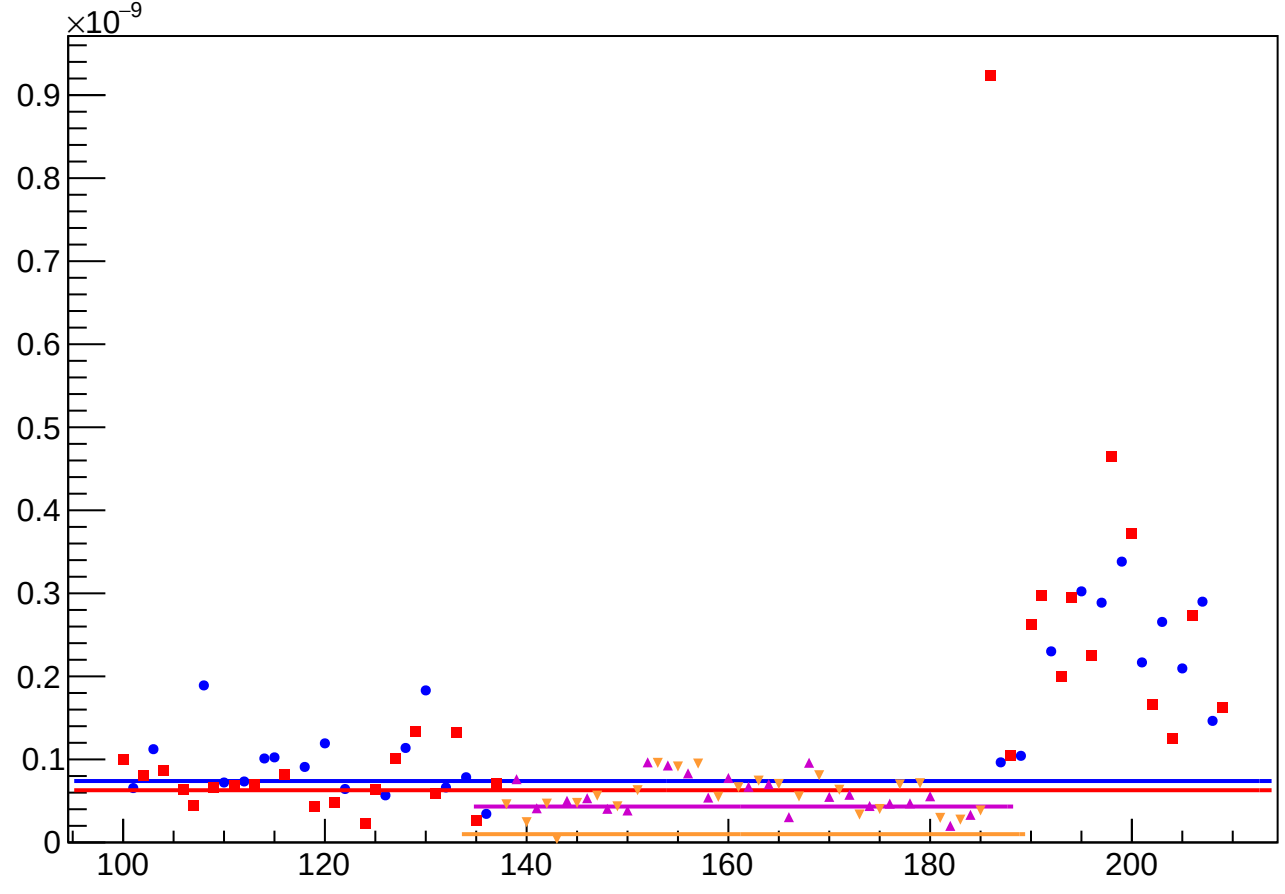
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/51

All: -0.000+/-0.000 χ^2/NDF: 105.7/106

- sign -0.000+/-0.000 χ^2/NDF: 63.6/54

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6614945.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7660582.3/31

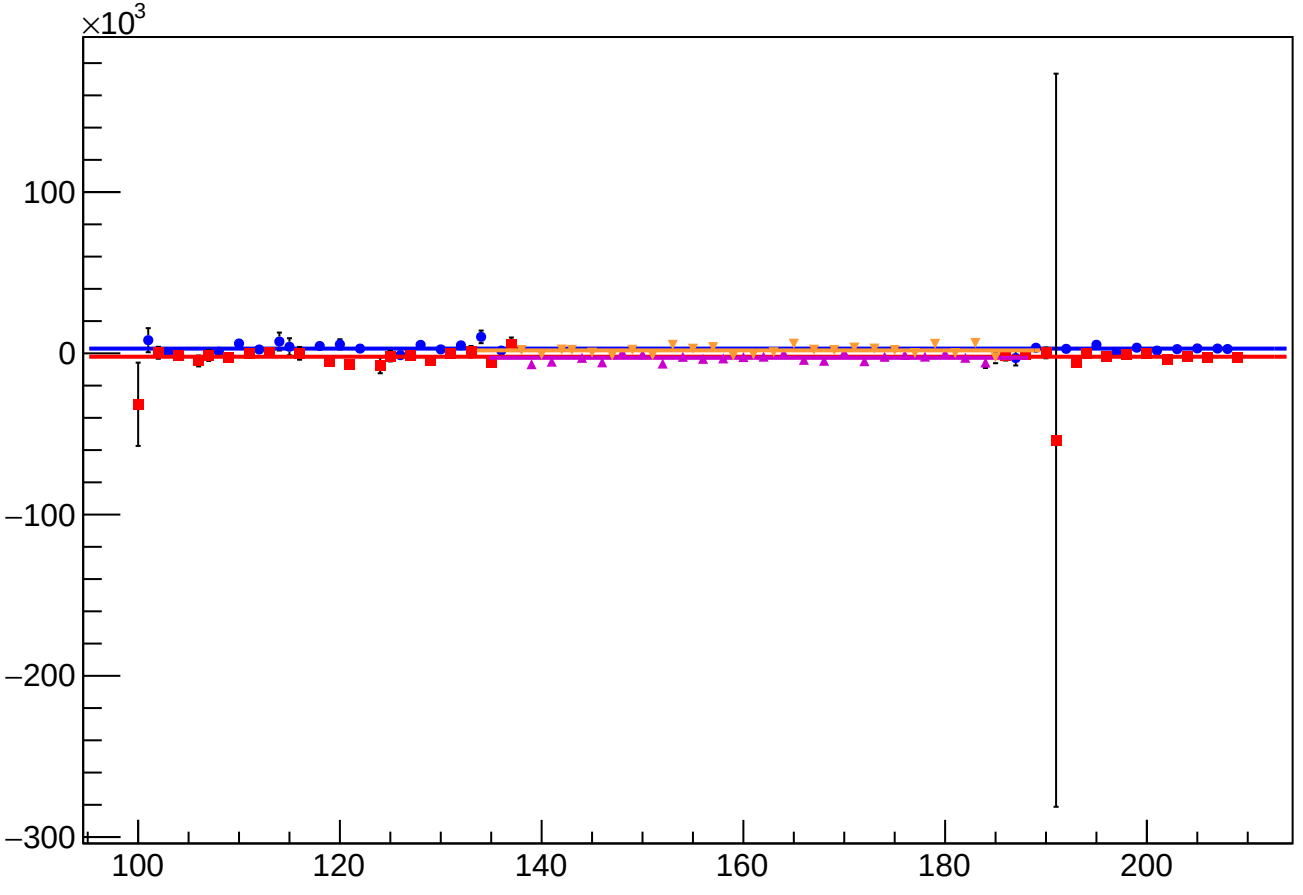
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 33924792.6/51

All: 0.000+/-0.000 χ^2/NDF: 61828179.9/106

- sign 0.000+/-0.000 χ^2/NDF: 12623890.2/54

reg_asym_atr_avg_mean vs Slug



Right In: 2944.565+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2099.870+/-475.933 χ^2/NDF: 22.6/31

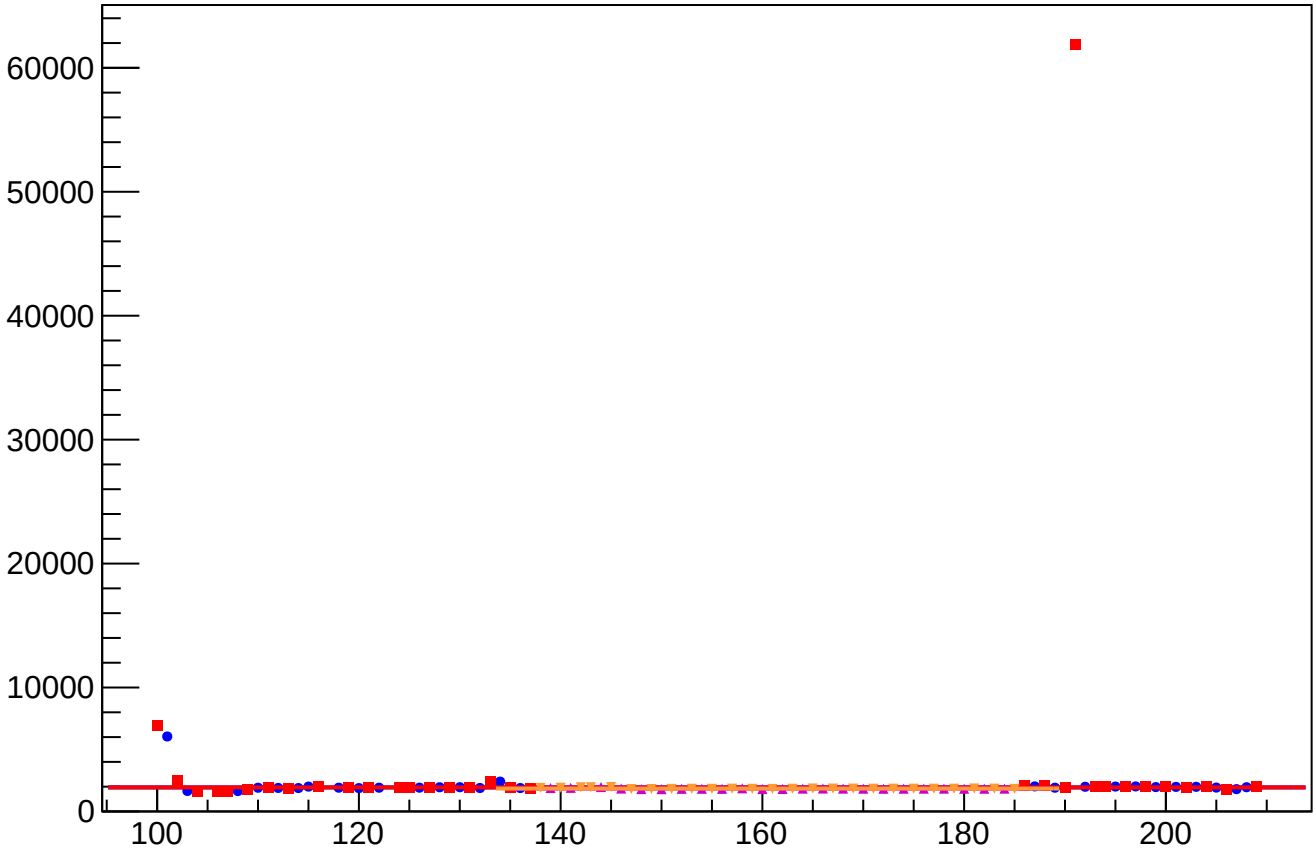
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2311.856+/-319.620 χ^2/NDF: 50.7/51

All: -81.252+/-225.934 χ^2/NDF: 211.9/106

- sign -2471.325+/-319.417 χ^2/NDF: 49.2/54

reg_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF: 718151.3/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.549+/-0.336 χ^2/NDF: 420696.9/31

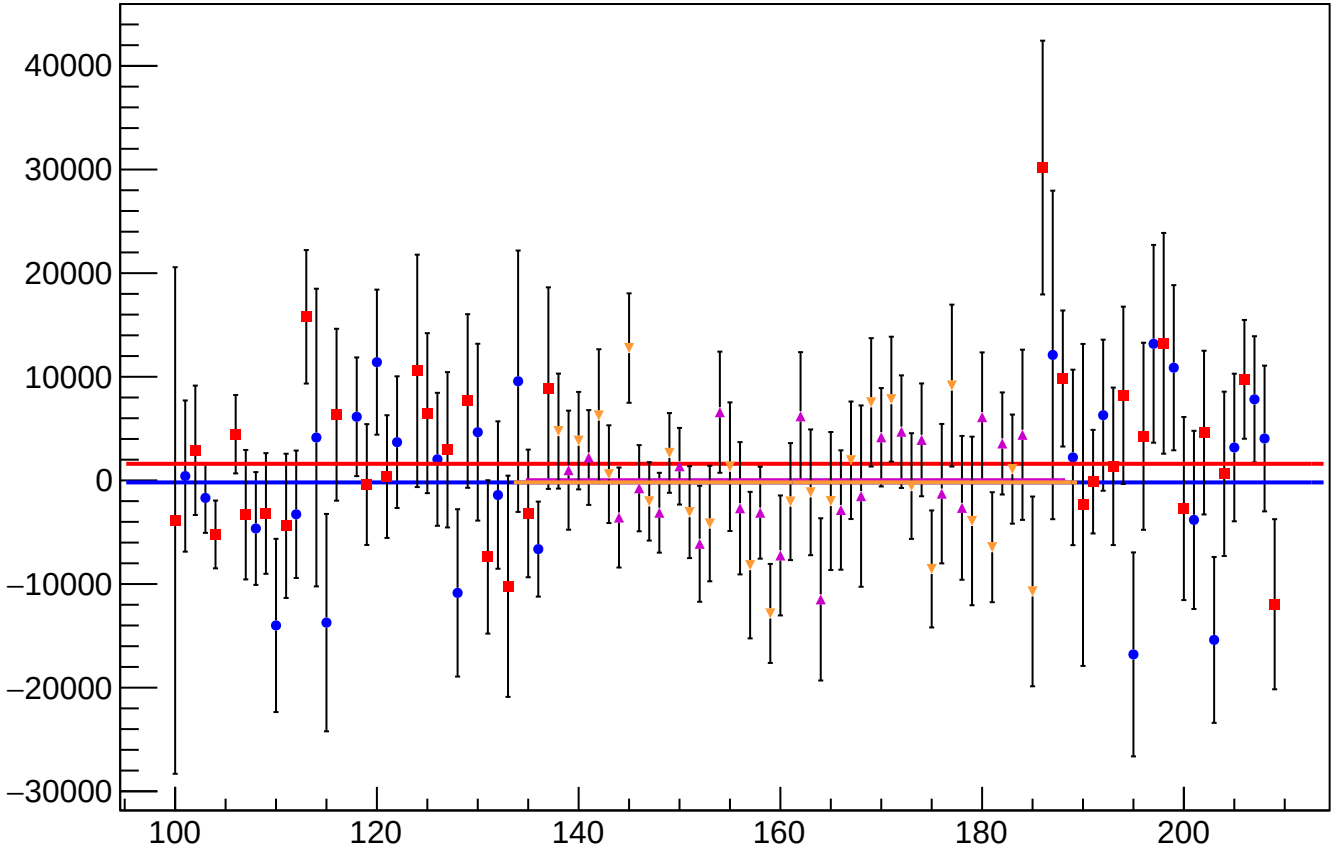
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF: 777729.9/51

All: 1887.510+/-0.160 χ^2/NDF: 1257752.7/10

- sign 1888.596+/-0.226 χ^2/NDF: 479976.5/54

asym_atr_avg_reg_correction_mean vs Slug



Right In: -193.207+/-1327.250 χ^2/NDF: 29.1/26

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1603.992+/-1195.134 χ^2/NDF: 32.1/31

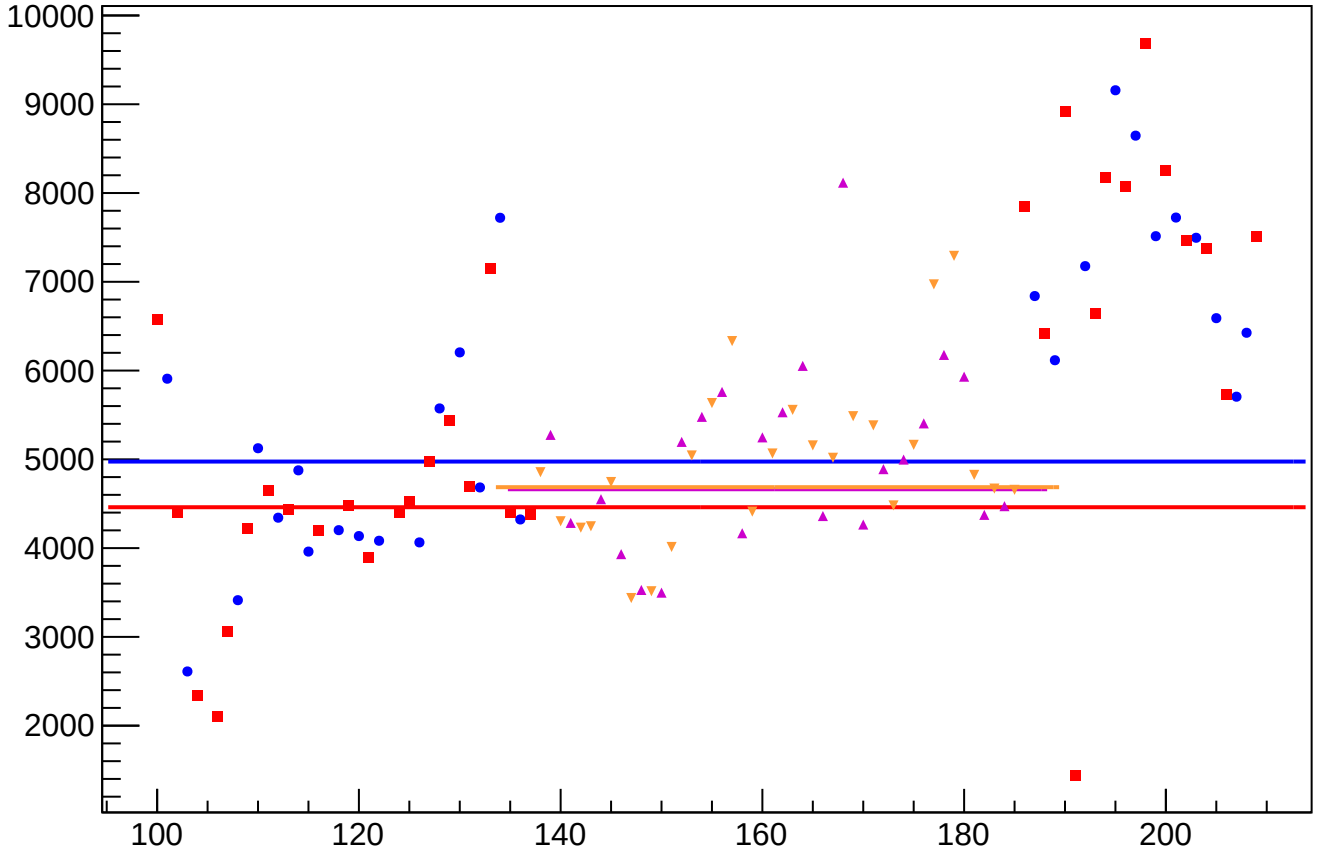
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -190.966+/-841.708 χ^2/NDF: 58.0/51

All: 297.688+/-585.259 χ^2/NDF: 105.4/106

- sign 755.073+/-814.333 χ^2/NDF: 46.8/54

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4975.028+/-0.939 χ^2/NDF: 3283167.3/26

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4460.604+/-0.845 χ^2/NDF: 5799058.9/31

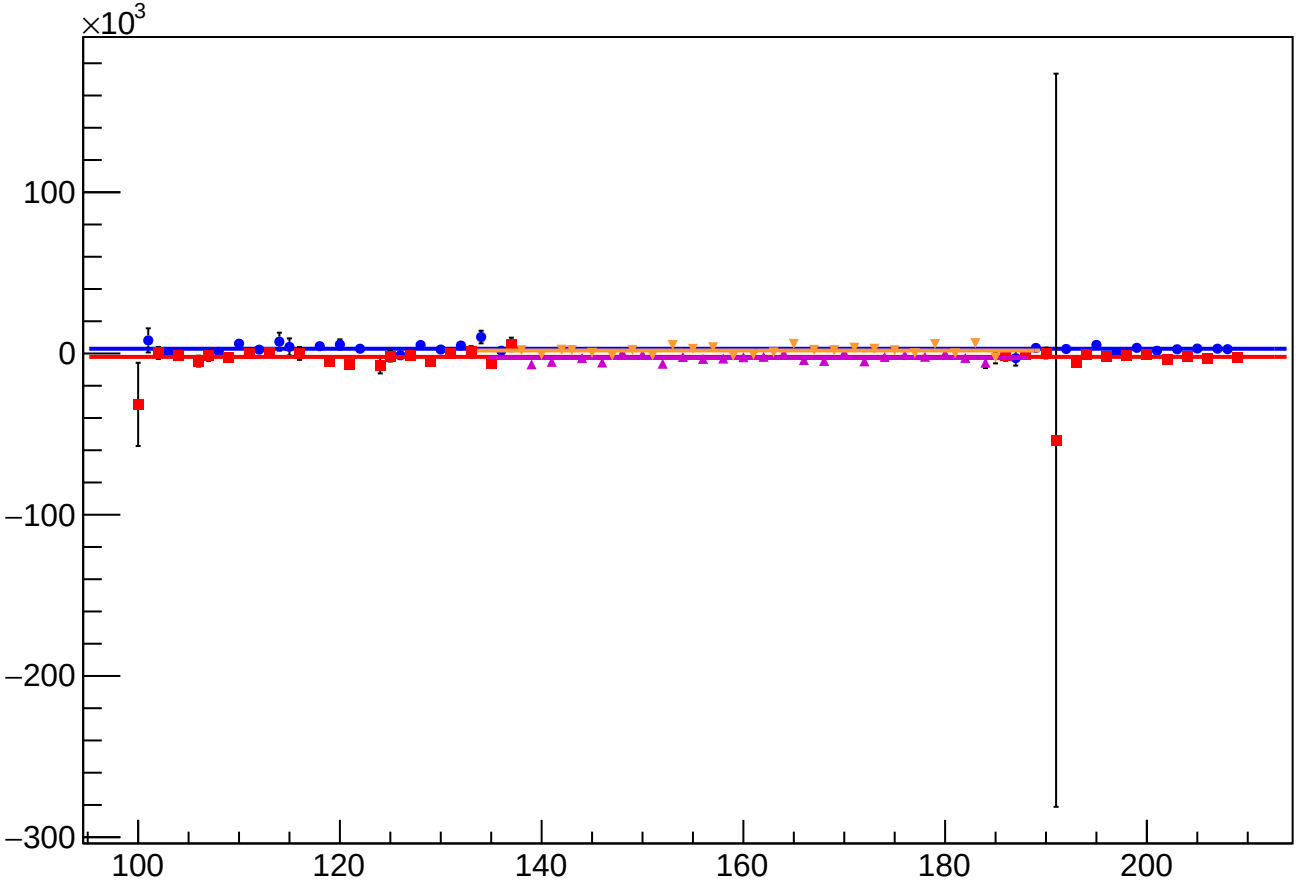
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4802.452+/-0.595 χ^2/NDF: 4524791.5/51

All: 4681.960+/-0.414 χ^2/NDF: 11720735.1/1

- sign 4569.179+/-0.576 χ^2/NDF: 7116597.0/54

cor_asym_atr_avg_mean vs Slug



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2100.367+/-475.934 χ^2/NDF: 22.6/31

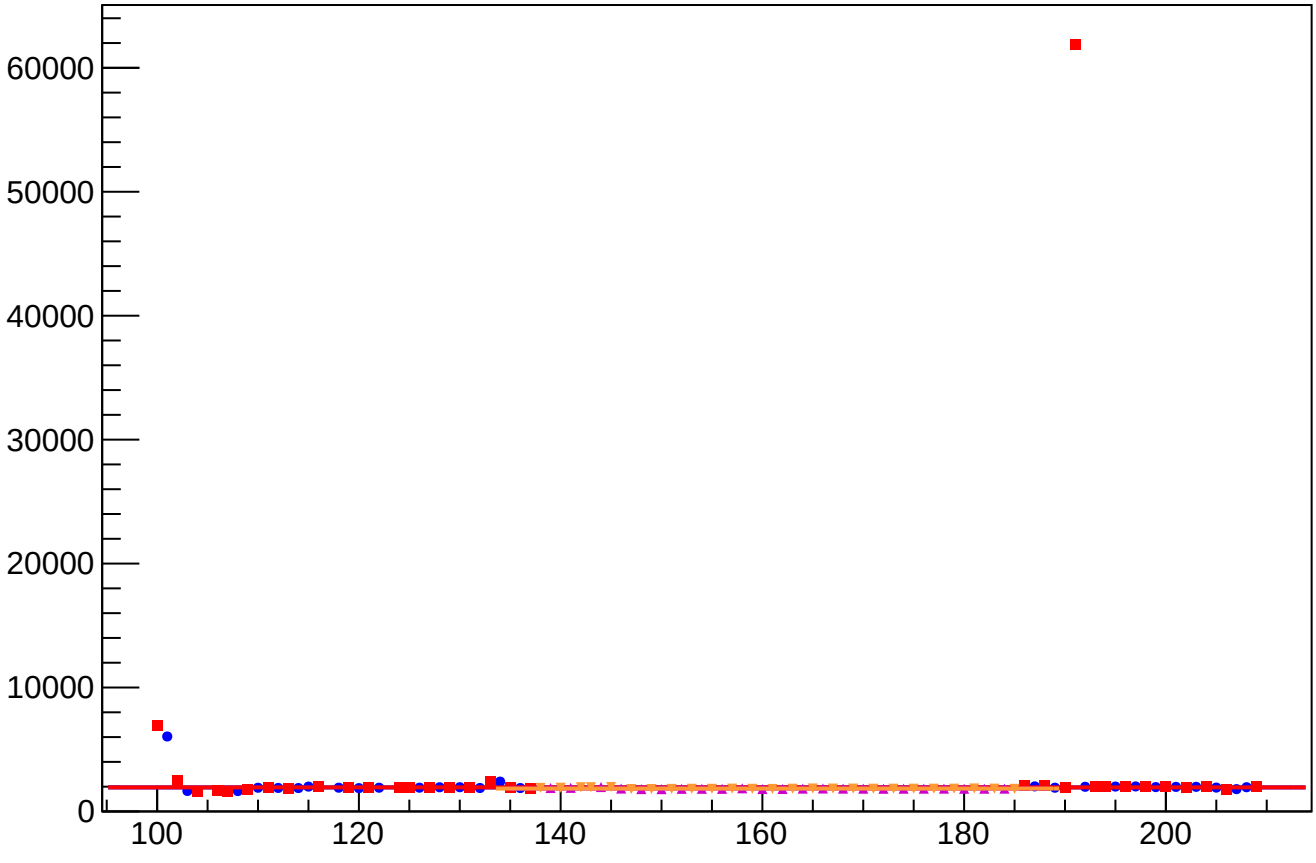
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2311.686+/-319.620 χ^2/NDF: 50.7/51

All: -81.440+/-225.934 χ^2/NDF: 211.9/106

- sign -2471.537+/-319.418 χ^2/NDF: 49.2/54

cor_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1943.424+/-0.336 χ^2/NDF: 412609.8/31

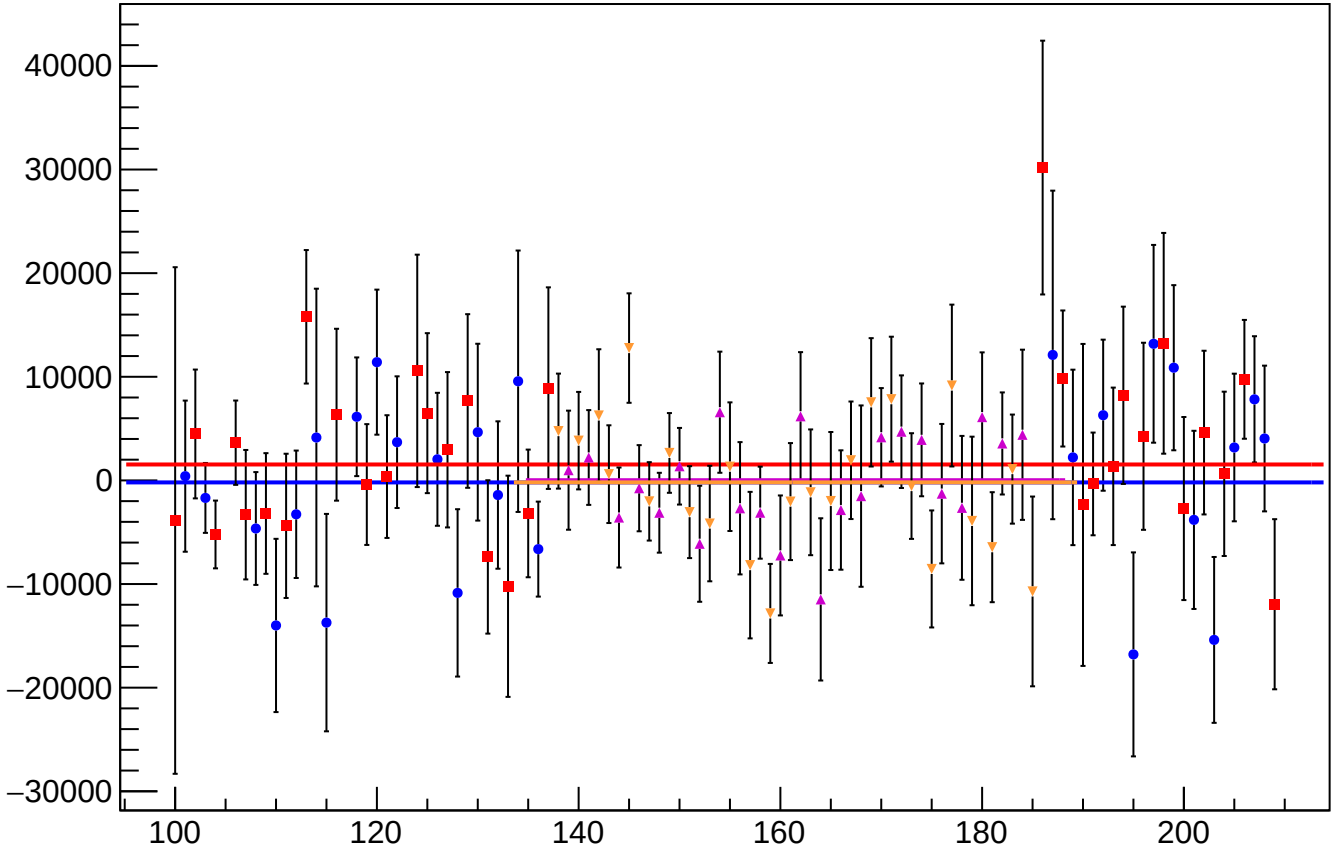
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF: 777729.2/51

All: 1887.913+/-0.160 χ^2/NDF: 1251437.9/10

- sign 1889.401+/-0.226 χ^2/NDF: 473621.8/54

asym_atr_avg_cor_correction_mean vs Slug



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1537.614+/-1202.602 χ^2/NDF: 32.0/31

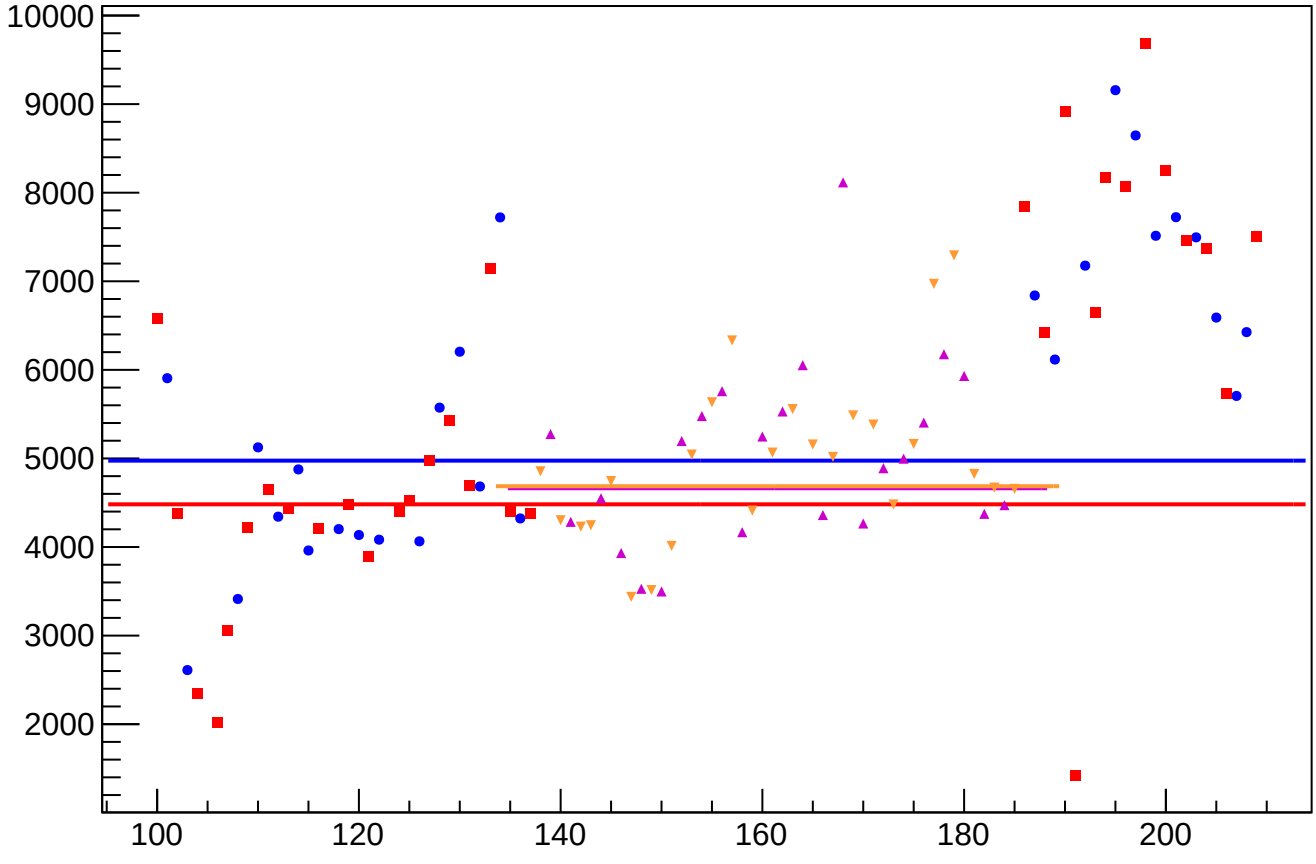
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -191.063+/-841.708 χ^2/NDF: 58.0/51

All: 277.994+/-586.130 χ^2/NDF: 105.2/106

- sign 719.575+/-816.683 χ^2/NDF: 46.6/54

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

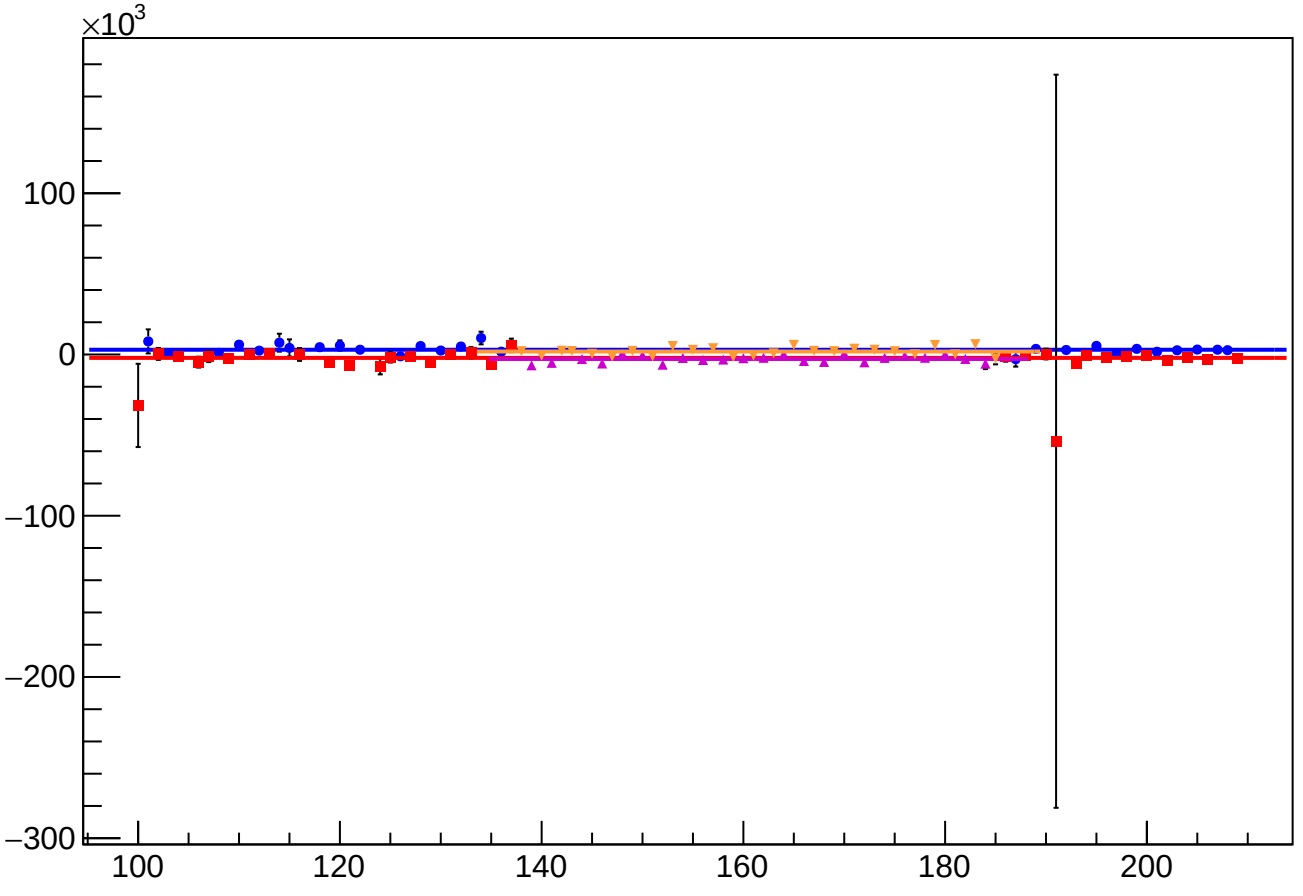
Right Out: 4482.054+/-0.850 χ^2/NDF: 5755409.7/31

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4802.474+/-0.595 χ^2/NDF: 4524218.5/51

All: 4687.726+/-0.414 χ^2/NDF: 11662985.4/1

- sign 4579.700+/-0.577 χ^2/NDF: 7066603.3/54



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2100.367+/-475.934 χ^2/NDF: 22.6/31

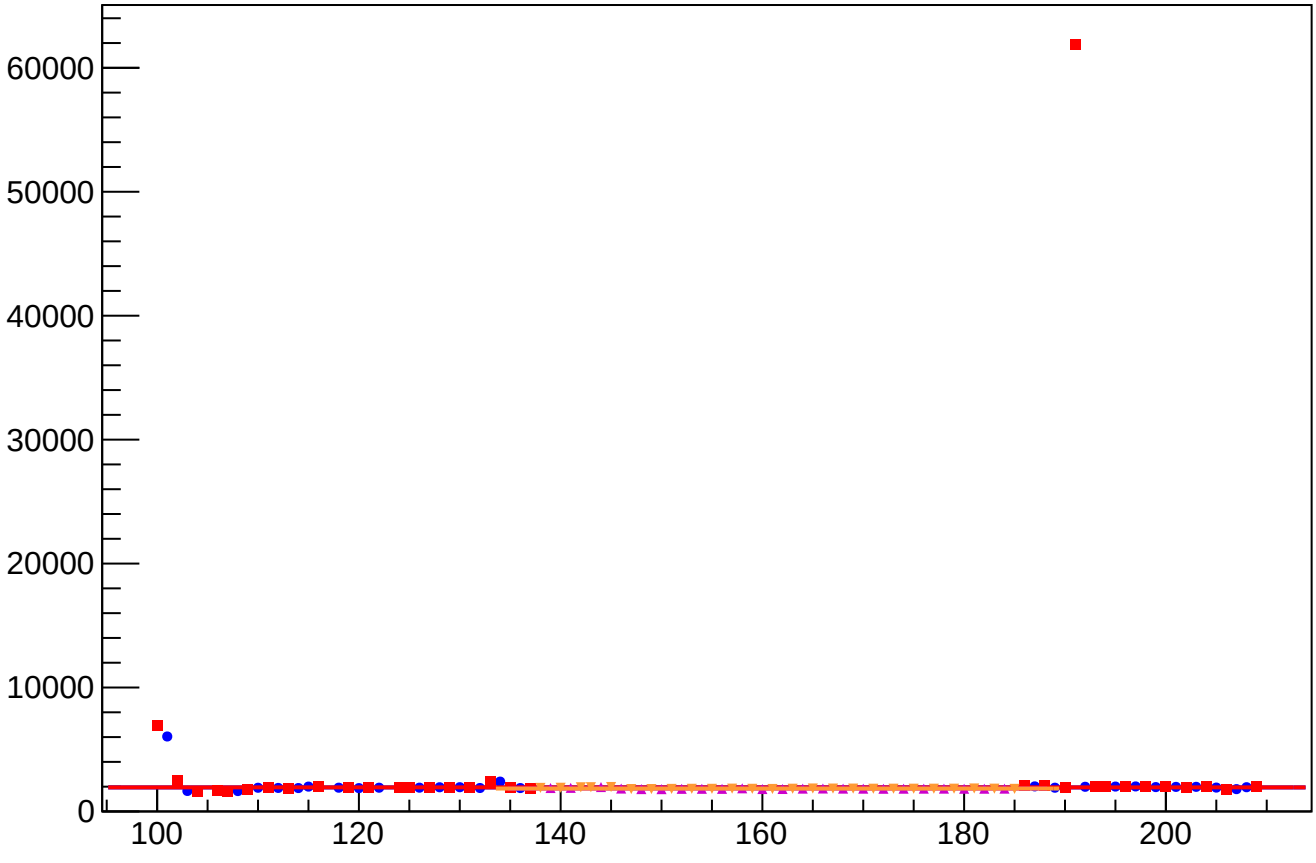
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2311.686+/-319.620 χ^2/NDF: 50.7/51

All: -81.440+/-225.934 χ^2/NDF: 211.9/106

- sign -2471.537+/-319.418 χ^2/NDF: 49.2/54

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

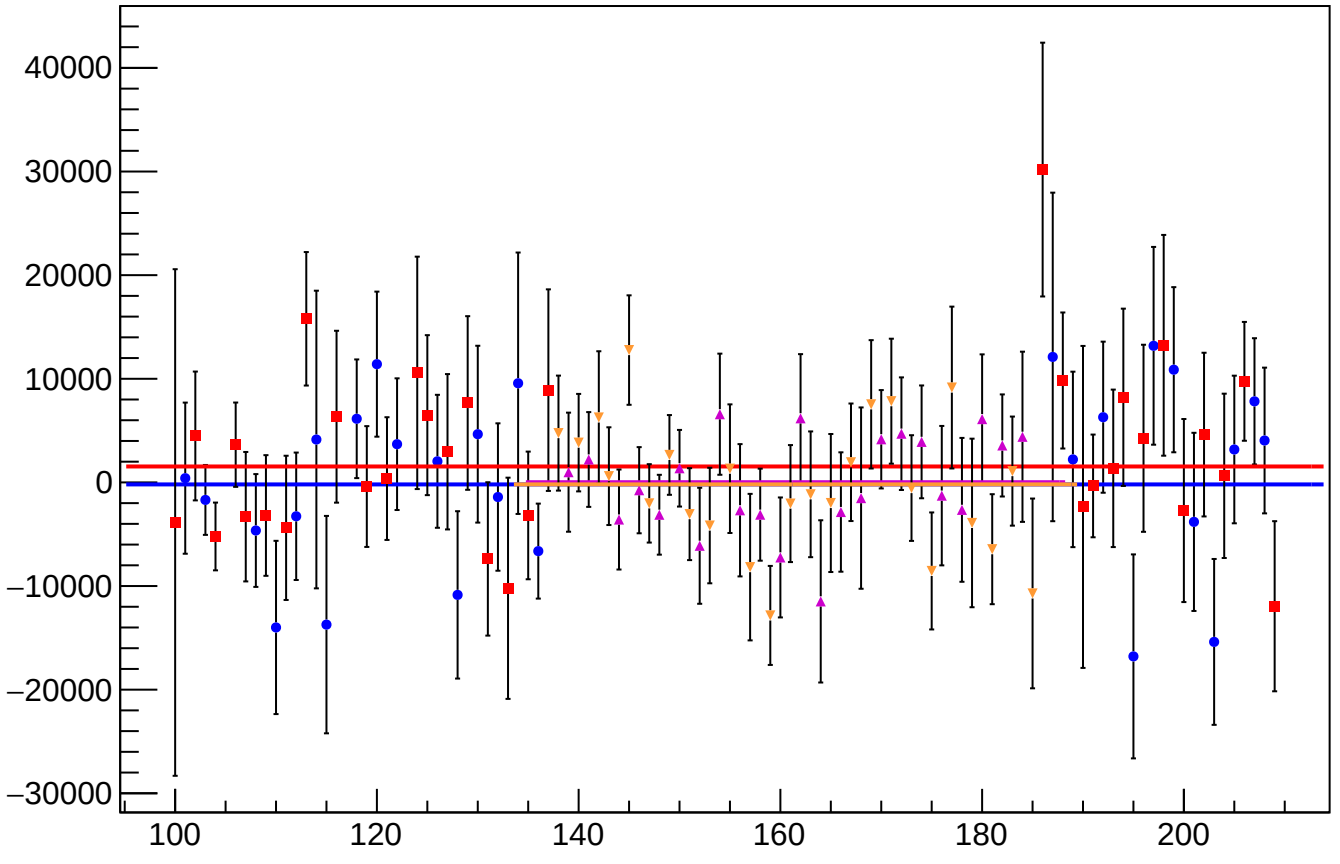
Right Out: 1943.424+/-0.336 χ^2/NDF: 412609.8/31

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1886.422+/-0.226 χ^2/NDF: 777729.2/51

All: 1887.913+/-0.160 χ^2/NDF: 1251437.9/10

- sign 1889.401+/-0.226 χ^2/NDF: 473621.8/54



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1537.614+/-1202.602 χ^2/NDF: 32.0/31

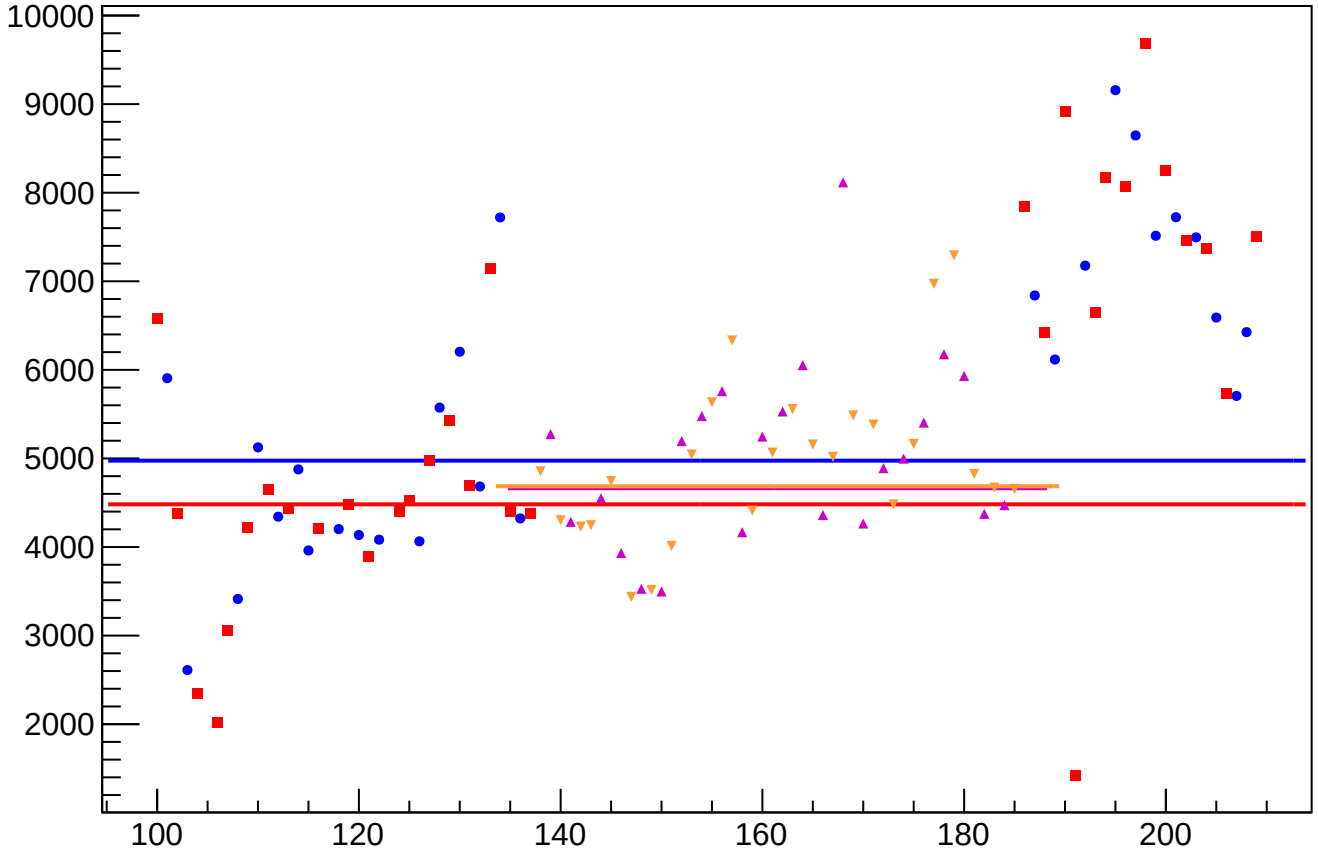
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -191.063+/-841.708 χ^2/NDF: 58.0/51

All: 277.994+/-586.130 χ^2/NDF: 105.2/106

- sign 719.575+/-816.683 χ^2/NDF: 46.6/54

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

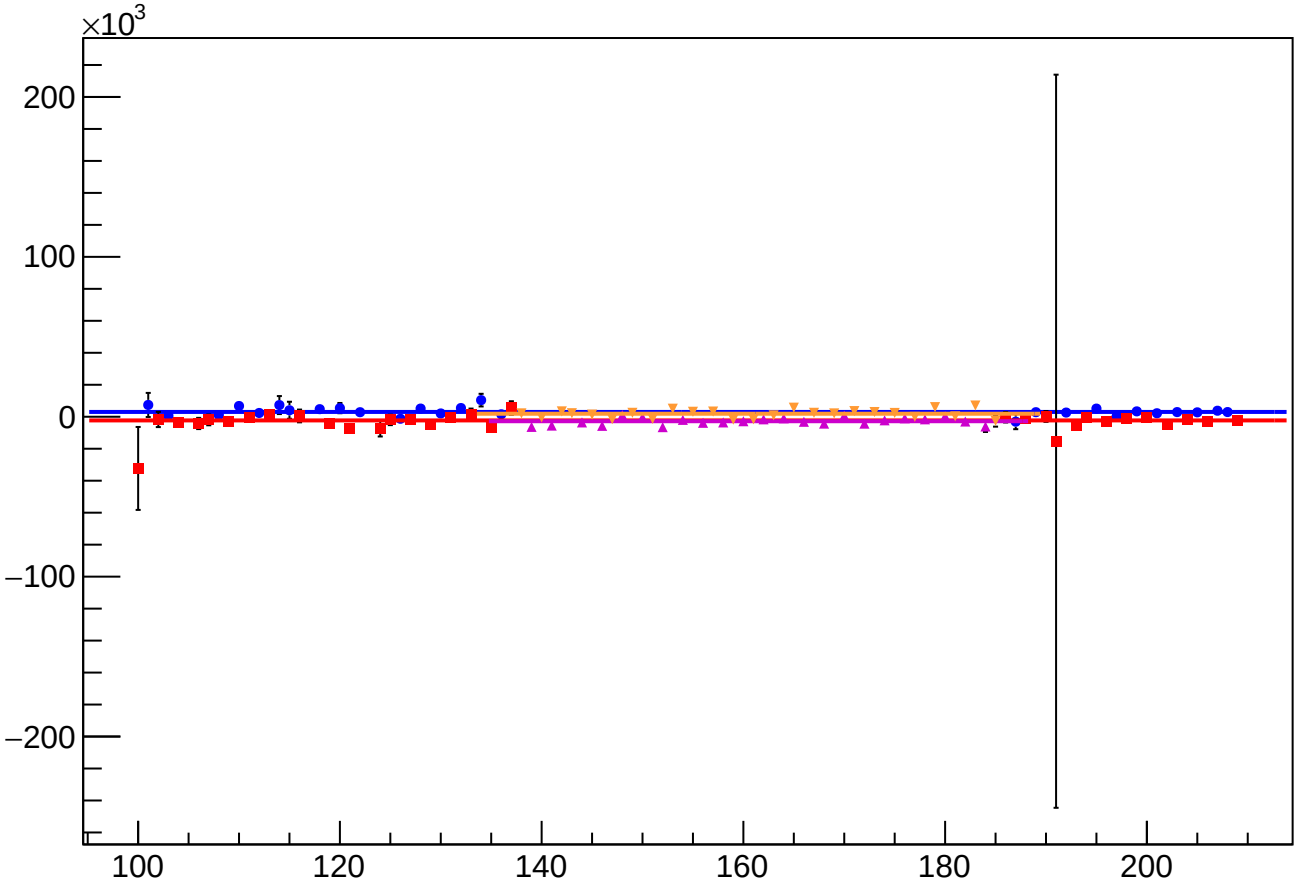
Right Out: 4482.054+/-0.850 χ^2/NDF: 5755409.7/31

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4802.474+/-0.595 χ^2/NDF: 4524218.5/51

All: 4687.726+/-0.414 χ^2/NDF: 11662985.4/1

- sign 4579.700+/-0.577 χ^2/NDF: 7066603.3/54



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2293.737+/-486.733 χ^2/NDF: 23.5/31

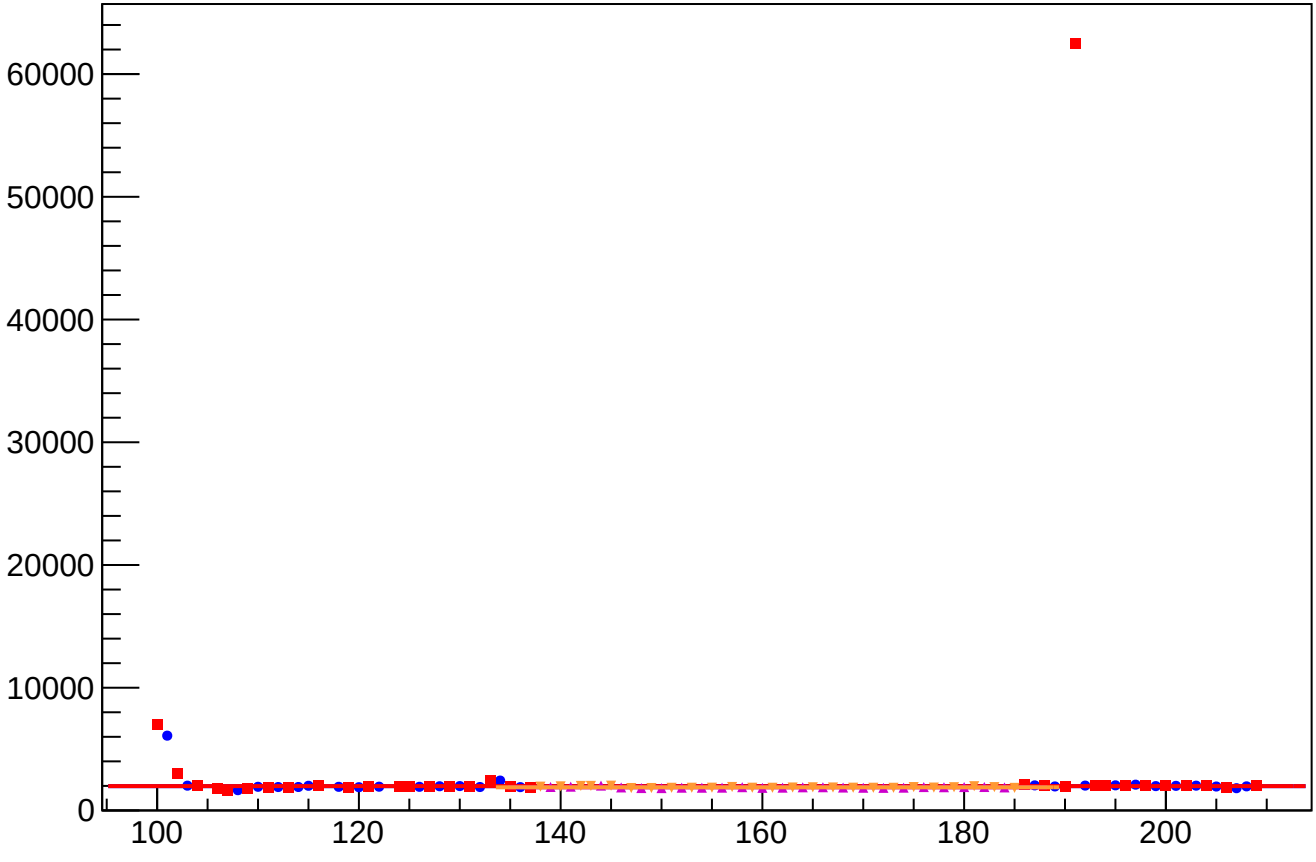
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2356.268+/-326.345 χ^2/NDF: 52.6/51

All: -109.755+/-230.670 χ^2/NDF: 216.2/106

- sign -2571.907+/-326.089 χ^2/NDF: 49.5/54

dit_asym_atr_avg_rms vs Slug



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.0/26

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1983.514+/-0.344 χ^2/NDF: 434203.2/31

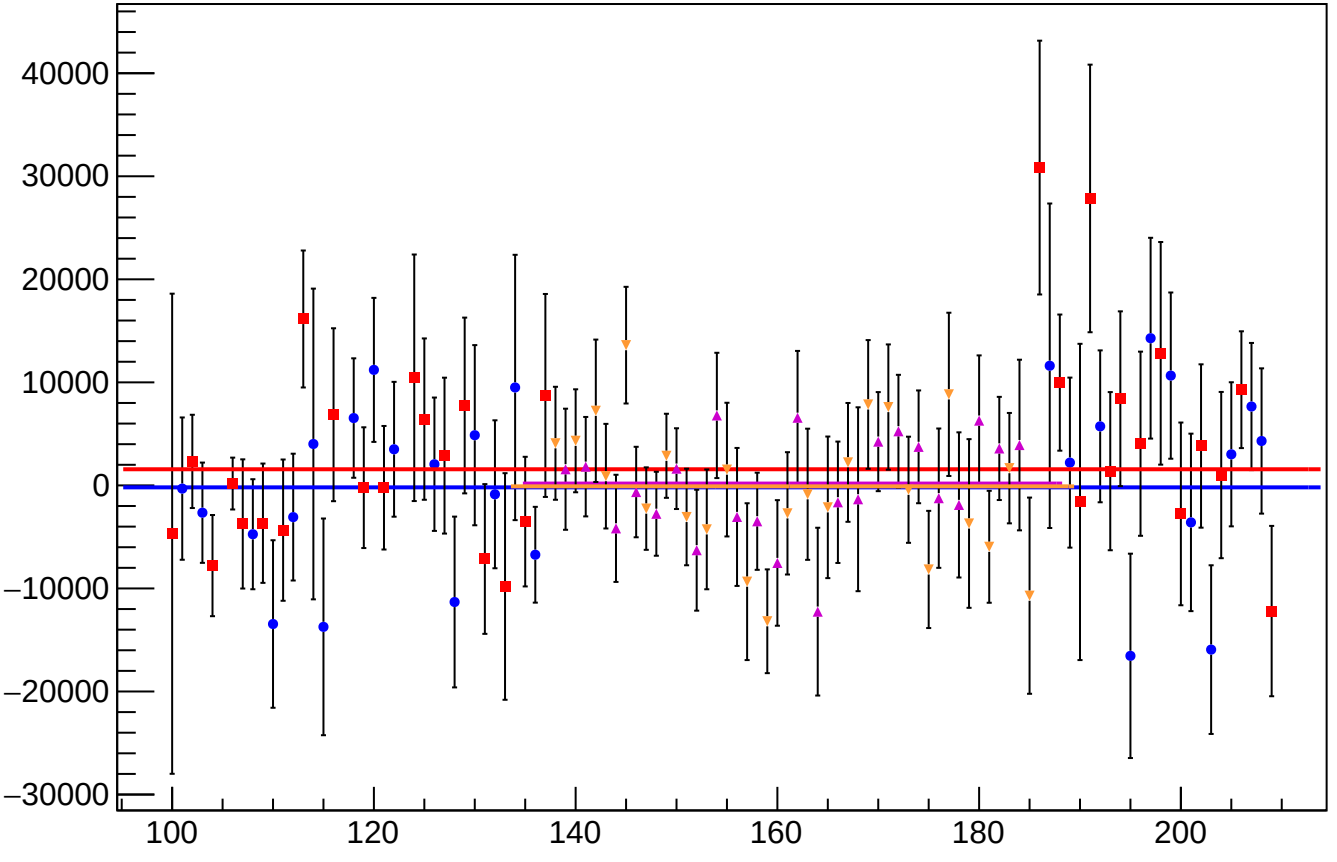
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1926.108+/-0.231 χ^2/NDF: 760746.7/51

All: 1926.453+/-0.163 χ^2/NDF: 1263317.8/10

- sign 1926.798+/-0.231 χ^2/NDF: 502566.6/54

asym_atr_avg_dit_correction_mean vs Slug



Right In: -190.209+/-1388.632 χ^2/NDF: 28.9/26

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1566.282+/-1179.160 χ^2/NDF: 35.1/31

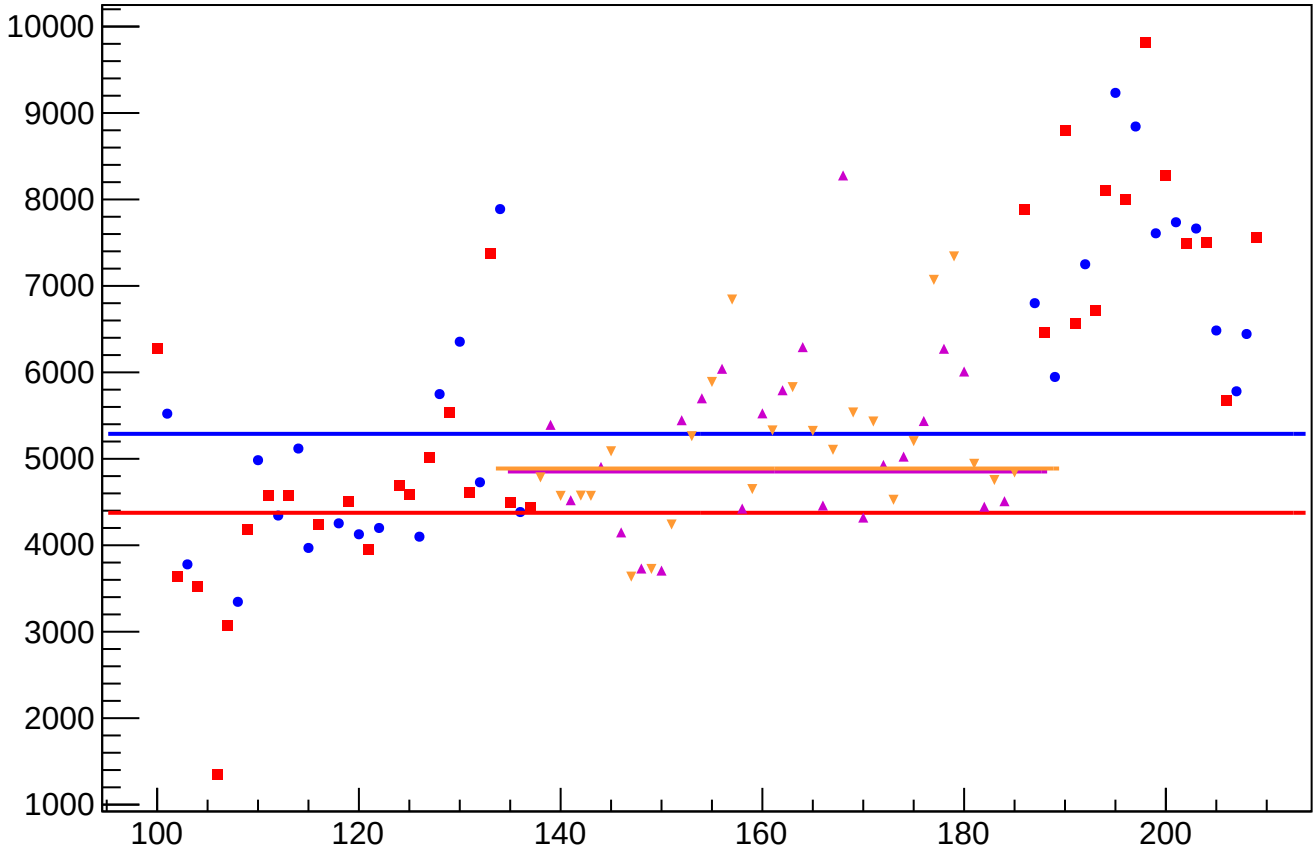
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -131.193+/-877.978 χ^2/NDF: 57.0/51

All: 393.830+/-601.415 χ^2/NDF: 107.0/106

- sign 857.970+/-825.504 χ^2/NDF: 49.3/54

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5288.844+/-0.982 χ^2/NDF: 2364546.5/26

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

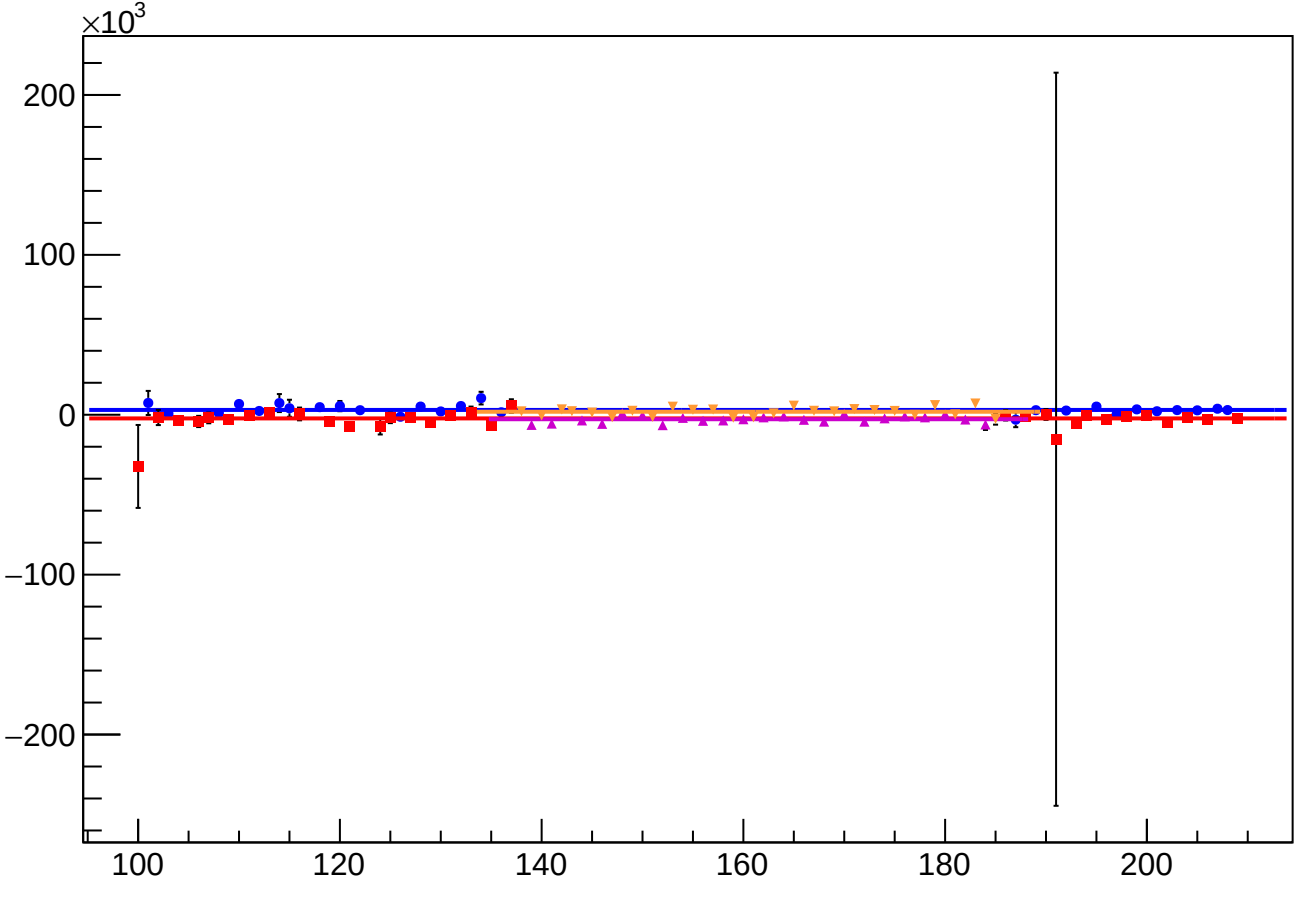
Right Out: 4375.610+/-0.834 χ^2/NDF: 6729336.3/31

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5048.133+/-0.621 χ^2/NDF: 3527964.9/51

All: 4820.472+/-0.425 χ^2/NDF: 11856697.5/1

- sign 4619.212+/-0.584 χ^2/NDF: 8075378.6/54



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2293.738+/-486.733 χ^2/NDF: 23.5/31

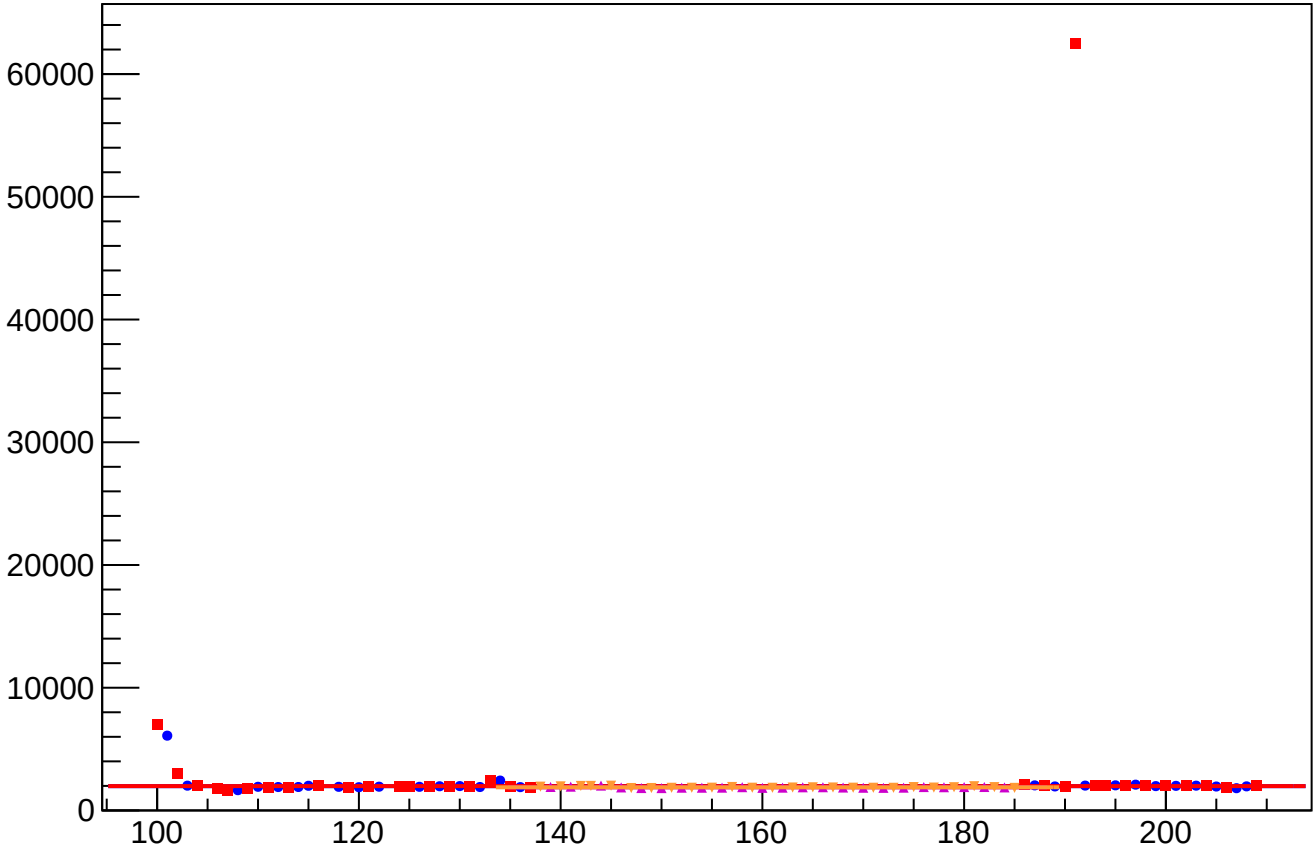
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2356.264+/-326.345 χ^2/NDF: 52.6/51

All: -109.757+/-230.670 χ^2/NDF: 216.2/106

- sign -2571.907+/-326.089 χ^2/NDF: 49.5/54

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.1/26

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

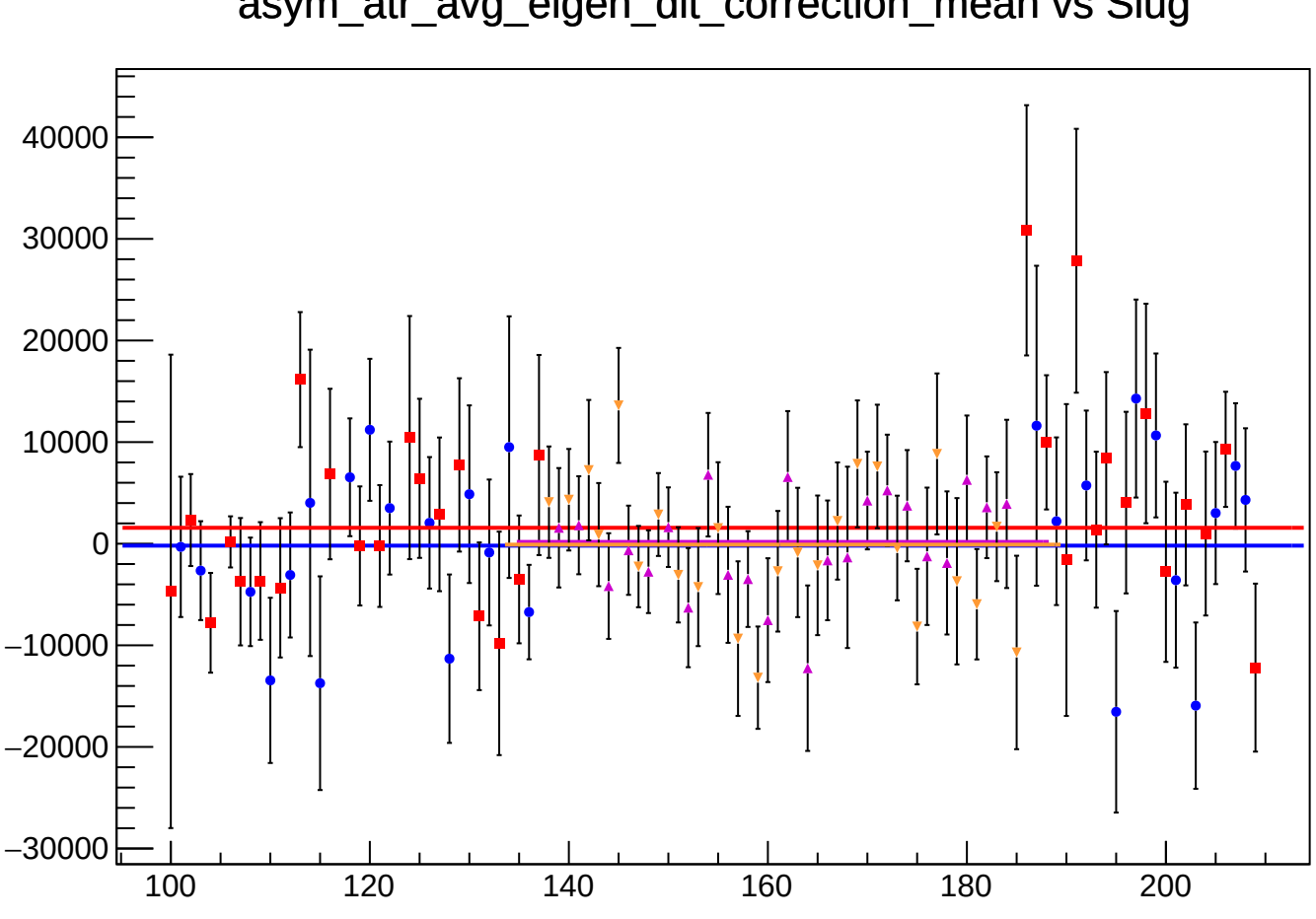
Right Out: 1983.514+/-0.344 χ^2/NDF: 434202.9/31

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1926.108+/-0.231 χ^2/NDF: 760746.1/51

All: 1926.453+/-0.163 χ^2/NDF: 1263316.1/10

- sign 1926.798+/-0.231 χ^2/NDF: 502565.5/54



Right In: -190.200+/-1388.631 χ^2/NDF: 28.9/26

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1566.278+/-1179.158 χ^2/NDF: 35.1/31

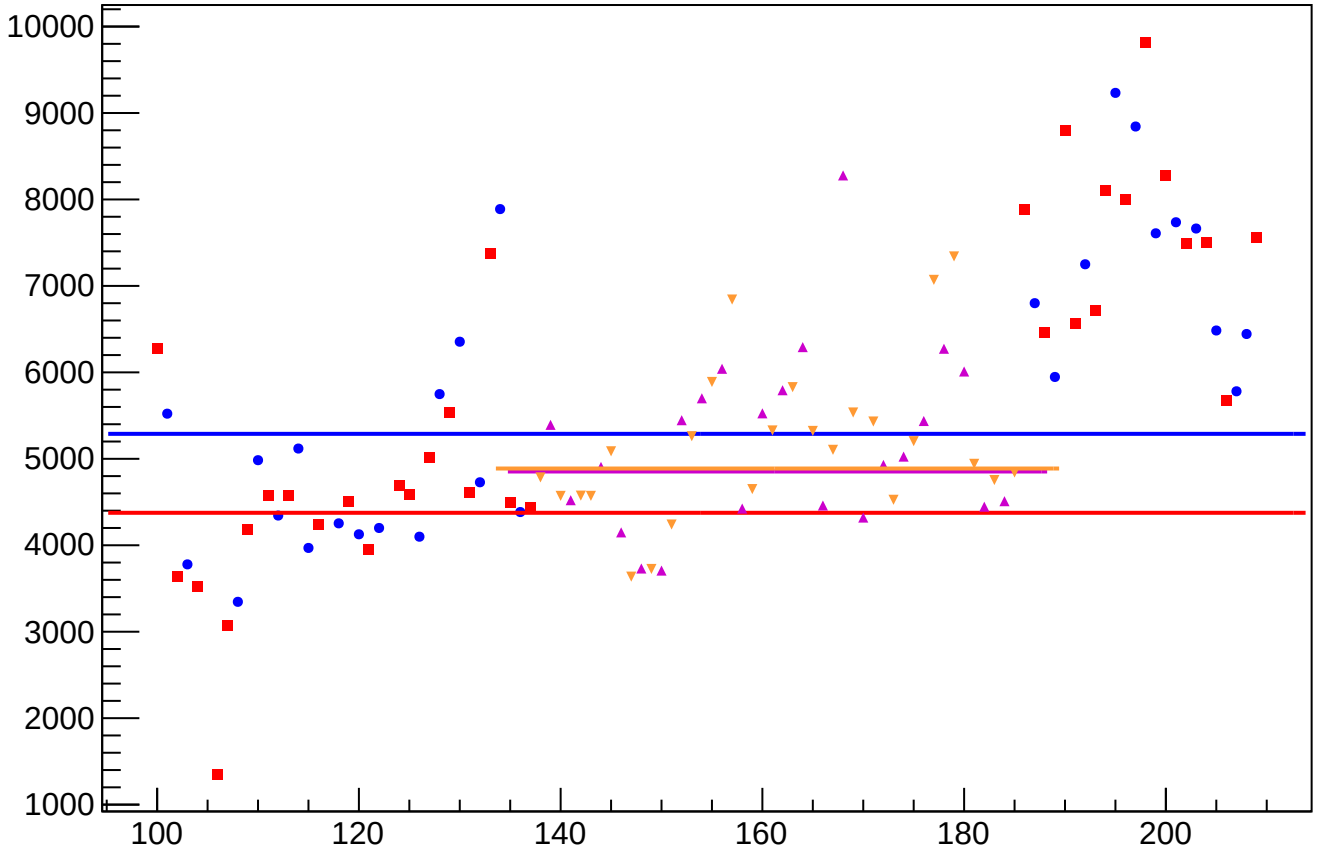
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -131.192+/-877.979 χ^2/NDF: 57.0/51

All: 393.832+/-601.415 χ^2/NDF: 107.0/106

- sign 857.971+/-825.504 χ^2/NDF: 49.3/54

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5288.839+/-0.982 χ^2/NDF: 2364564.1/26

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4375.601+/-0.834 χ^2/NDF: 6729372.7/31

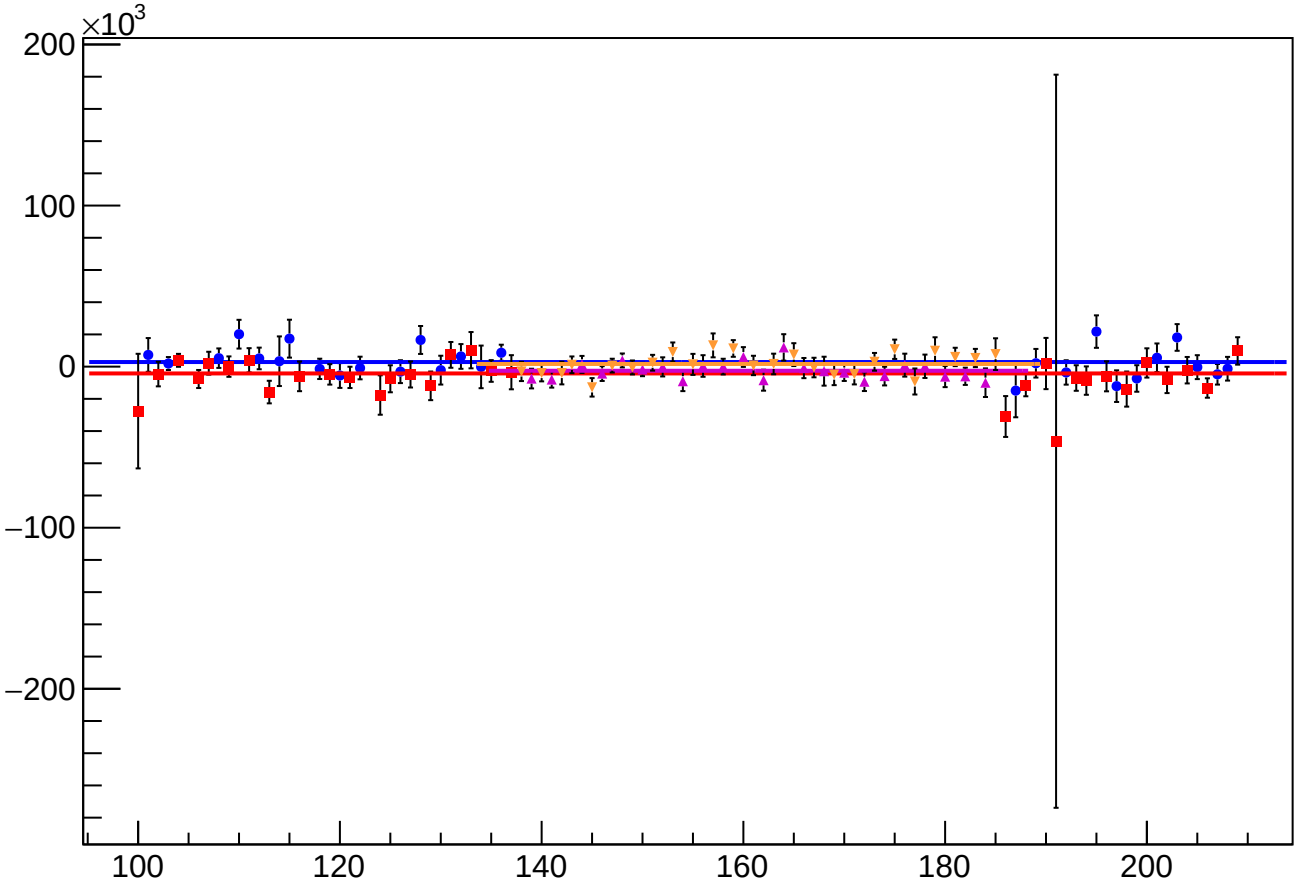
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5048.136+/-0.621 χ^2/NDF: 3527977.4/51

All: 4820.473+/-0.425 χ^2/NDF: 11856765.2/1

- sign 4619.210+/-0.584 χ^2/NDF: 8075428.9/54

asym_atr_avg_mean vs Slug



Right In: 2855.467+/-1455.553 χ^2/NDF: 27.4/26

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4223.084+/-1385.401 χ^2/NDF: 28.9/31

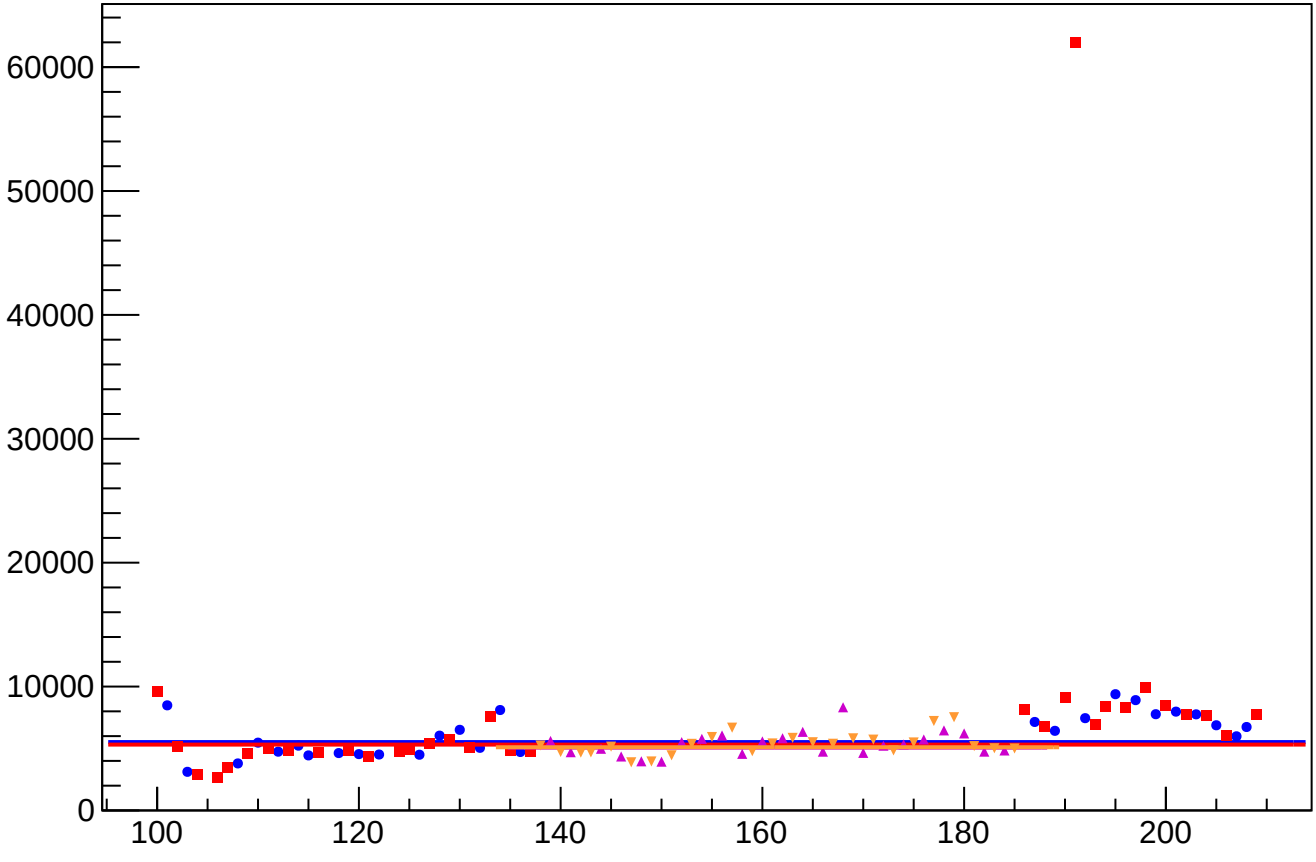
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

\+ sign 2130.190+/-915.995 χ^2/NDF: 53.8/51

All: -594.718+/-645.206 χ^2/NDF: 117.1/106

\- sign -3277.960+/-908.965 χ^2/NDF: 45.7/54

asym_atr_avg_rms vs Slug



Right In: 5518.807+/-1.029 χ^2/NDF: 2681487.3/26

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5316.103+/-0.974 χ^2/NDF: 3752952.4/31

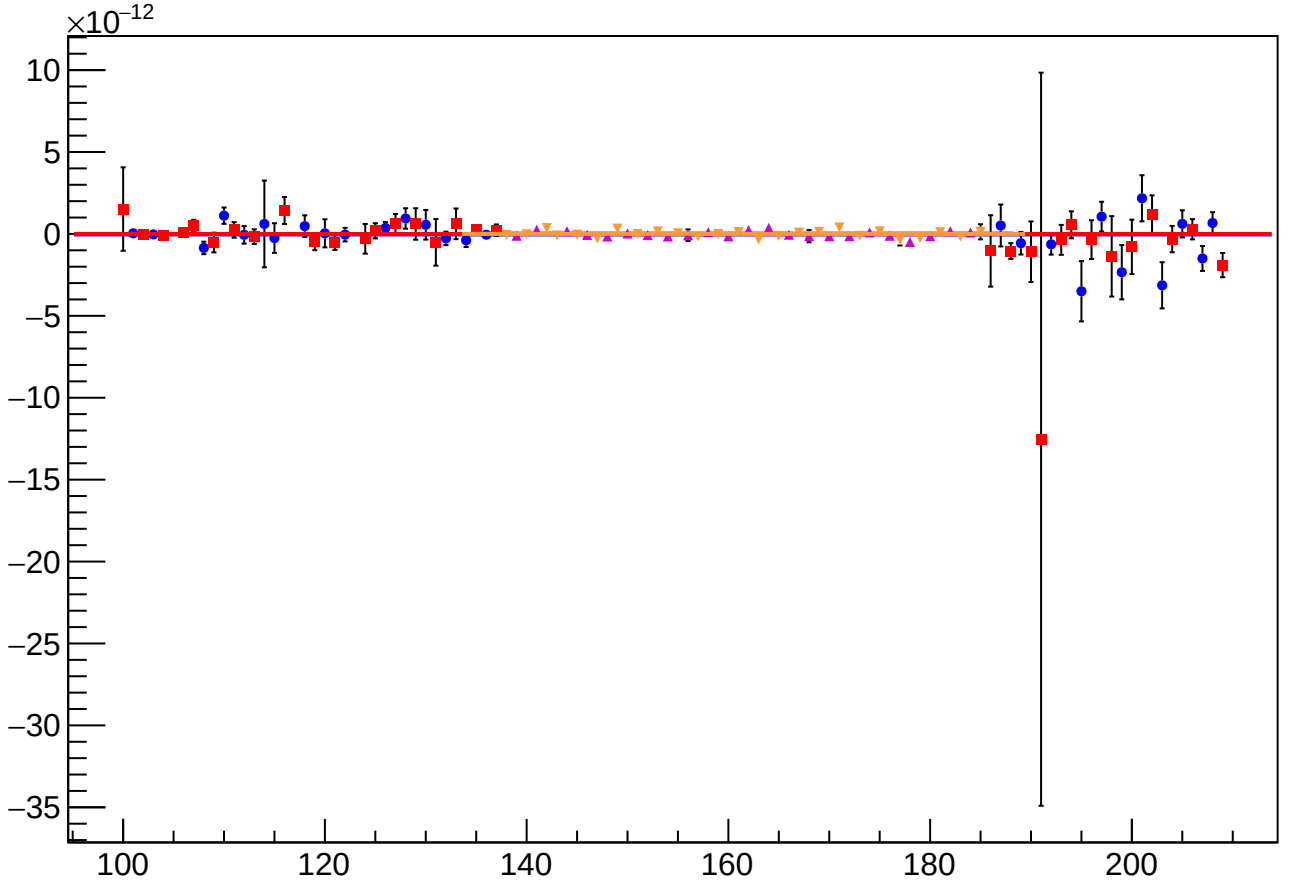
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5266.248+/-0.648 χ^2/NDF: 3690515.6/51

All: 5222.009+/-0.456 χ^2/NDF: 8479773.8/10

- sign 5178.670+/-0.641 χ^2/NDF: 4780023.0/54

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

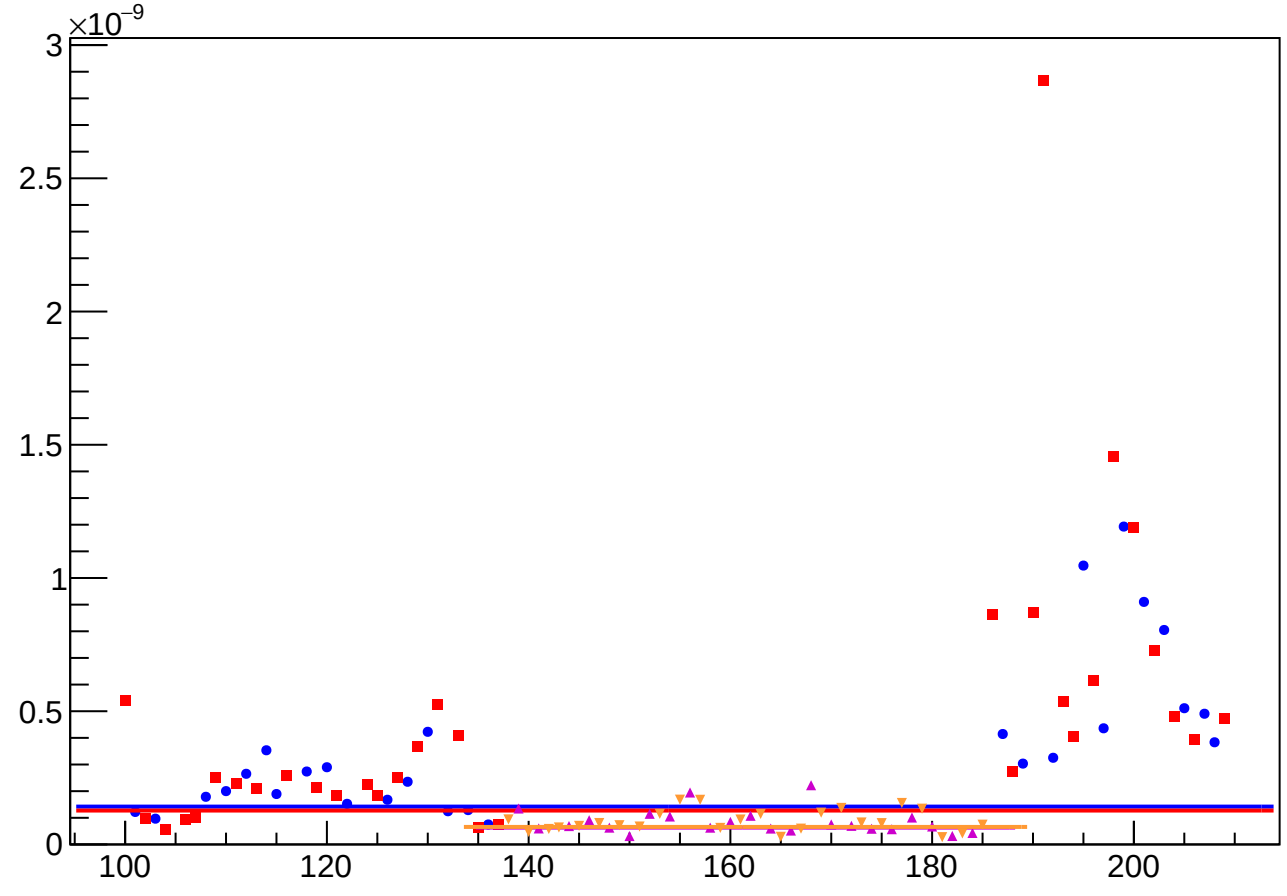
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/31

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/51

All: 0.000+/-0.000 χ^2/NDF: 133.7/106

- sign 0.000+/-0.000 χ^2/NDF: 62.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5311974.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6989137.2/31

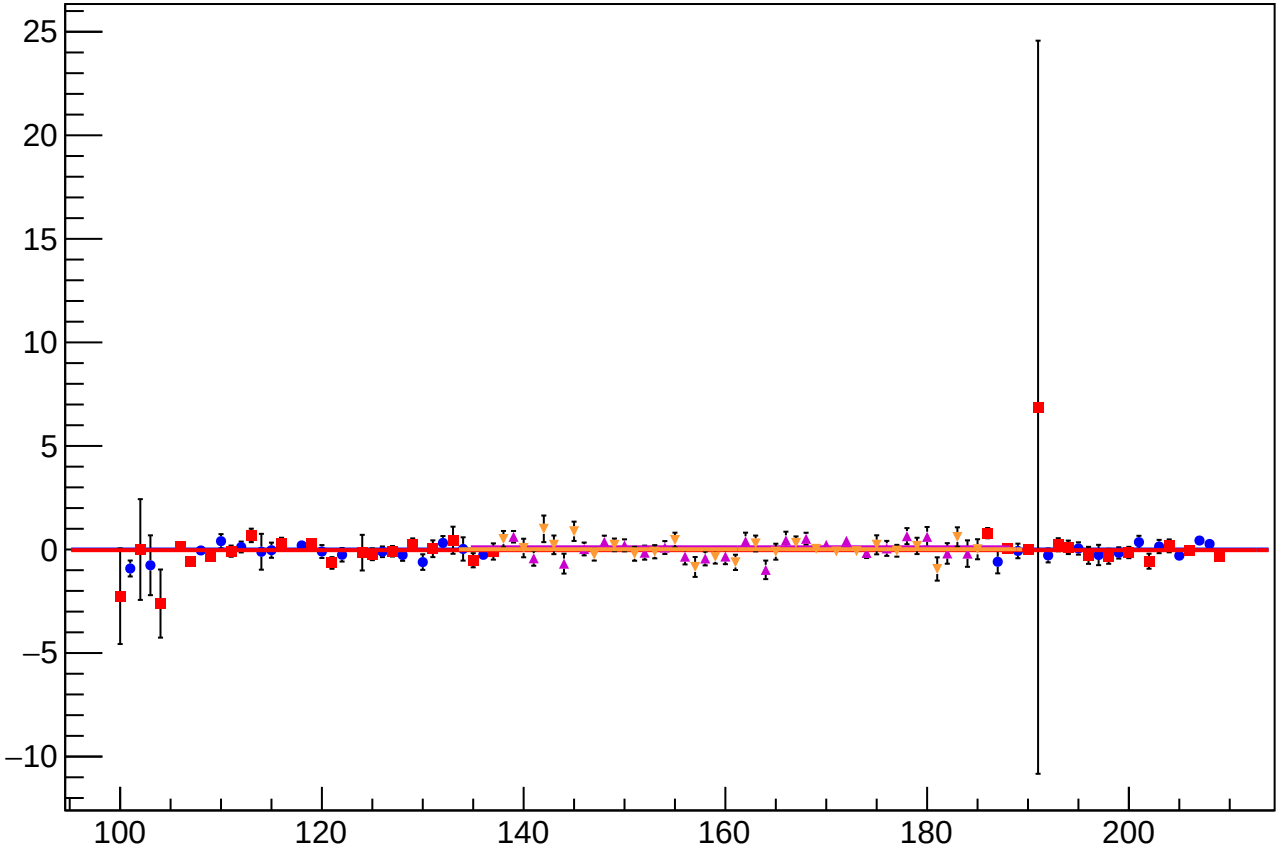
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9713534.0/51

All: 0.000+/-0.000 χ^2/NDF: 20373079.4/106

- sign 0.000+/-0.000 χ^2/NDF: 10640527.3/54

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.033+/-0.049 χ^2/NDF: 46.8/31

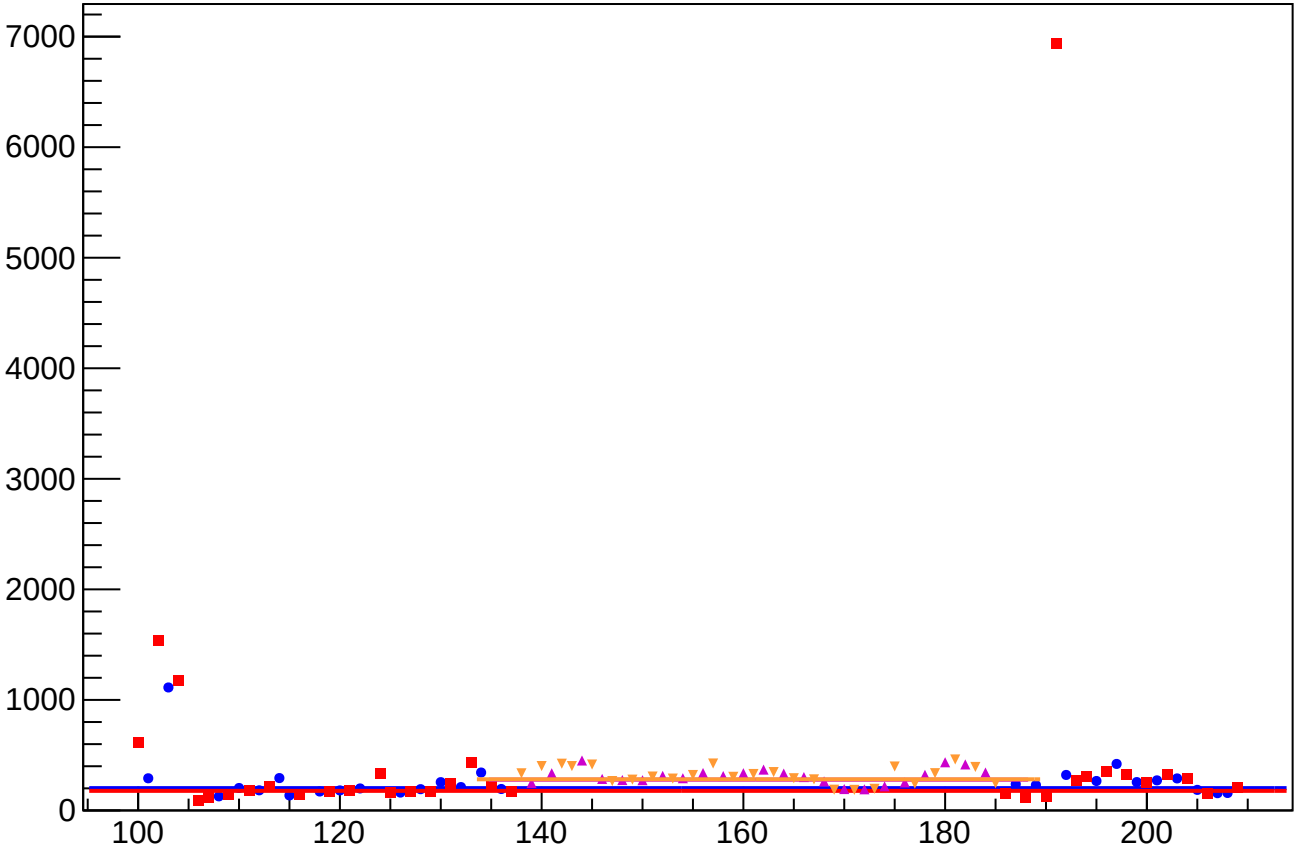
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.009+/-0.029 χ^2/NDF: 135.7/106

\- sign 0.014+/-0.040 χ^2/NDF: 80.9/54

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 177.288+/-0.035 χ^2/NDF: 5505591.2/31

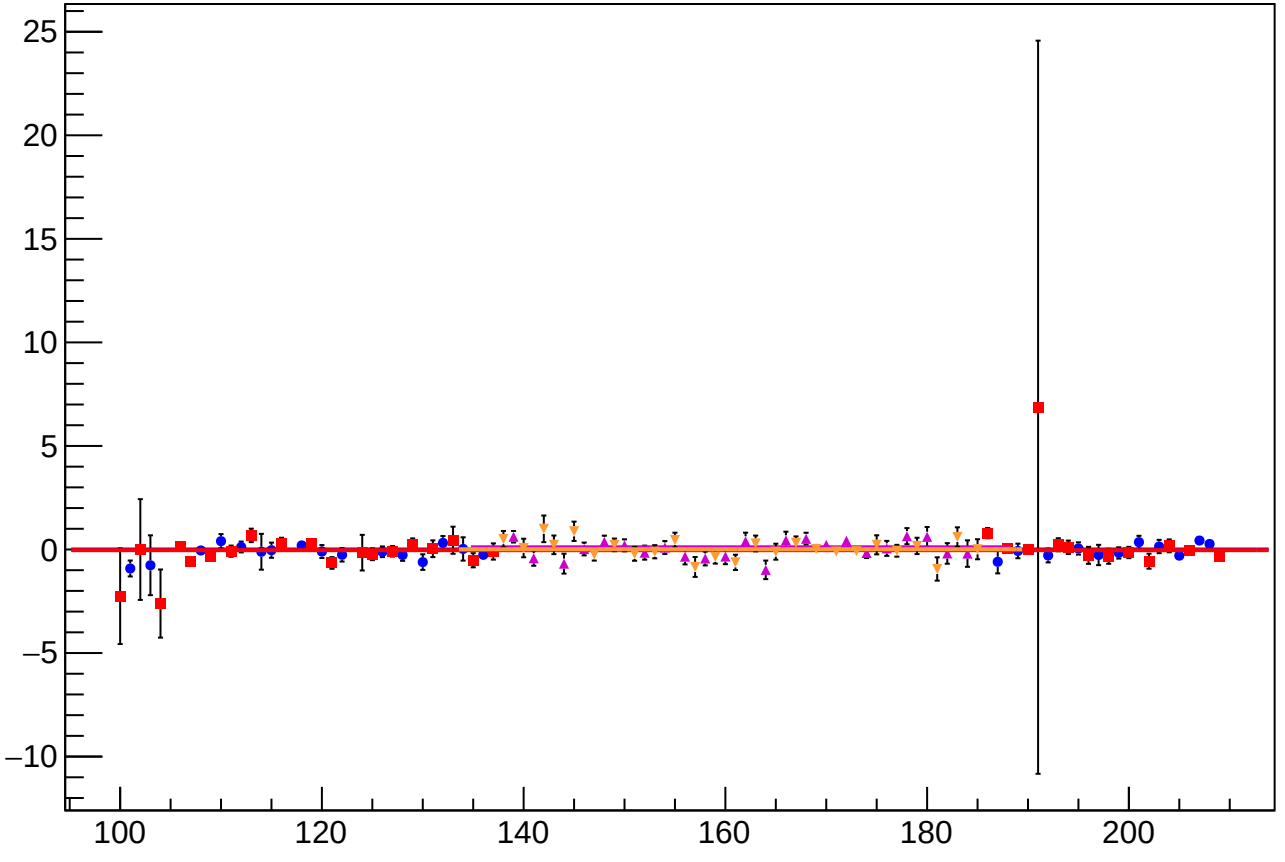
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060770.8/51

All: 221.842+/-0.021 χ^2/NDF: 17535370.0/10

- sign 211.473+/-0.028 χ^2/NDF: 10182179.5/54

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.033+/-0.049 χ^2/NDF: 46.8/31

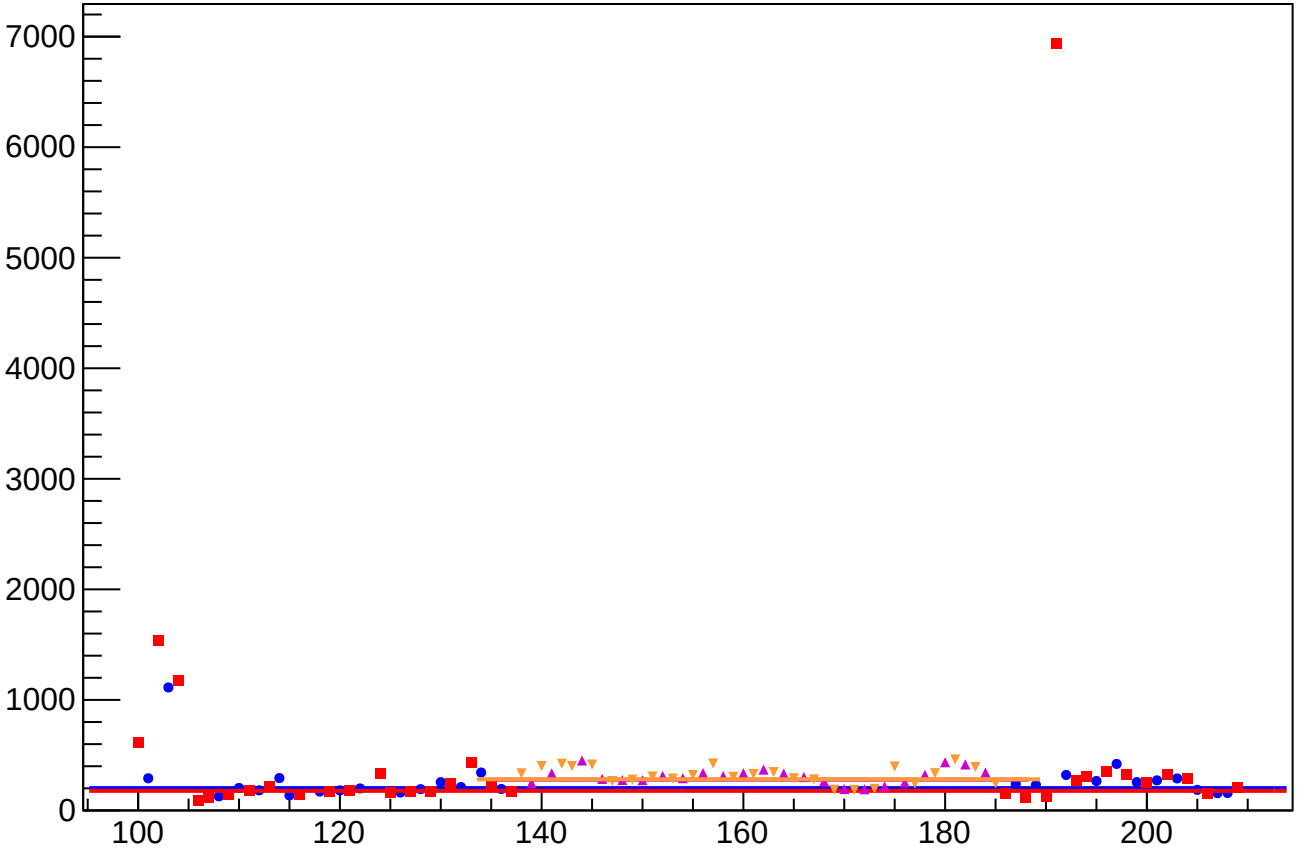
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.009+/-0.029 χ^2/NDF: 135.7/106

- sign 0.014+/-0.040 χ^2/NDF: 80.9/54

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

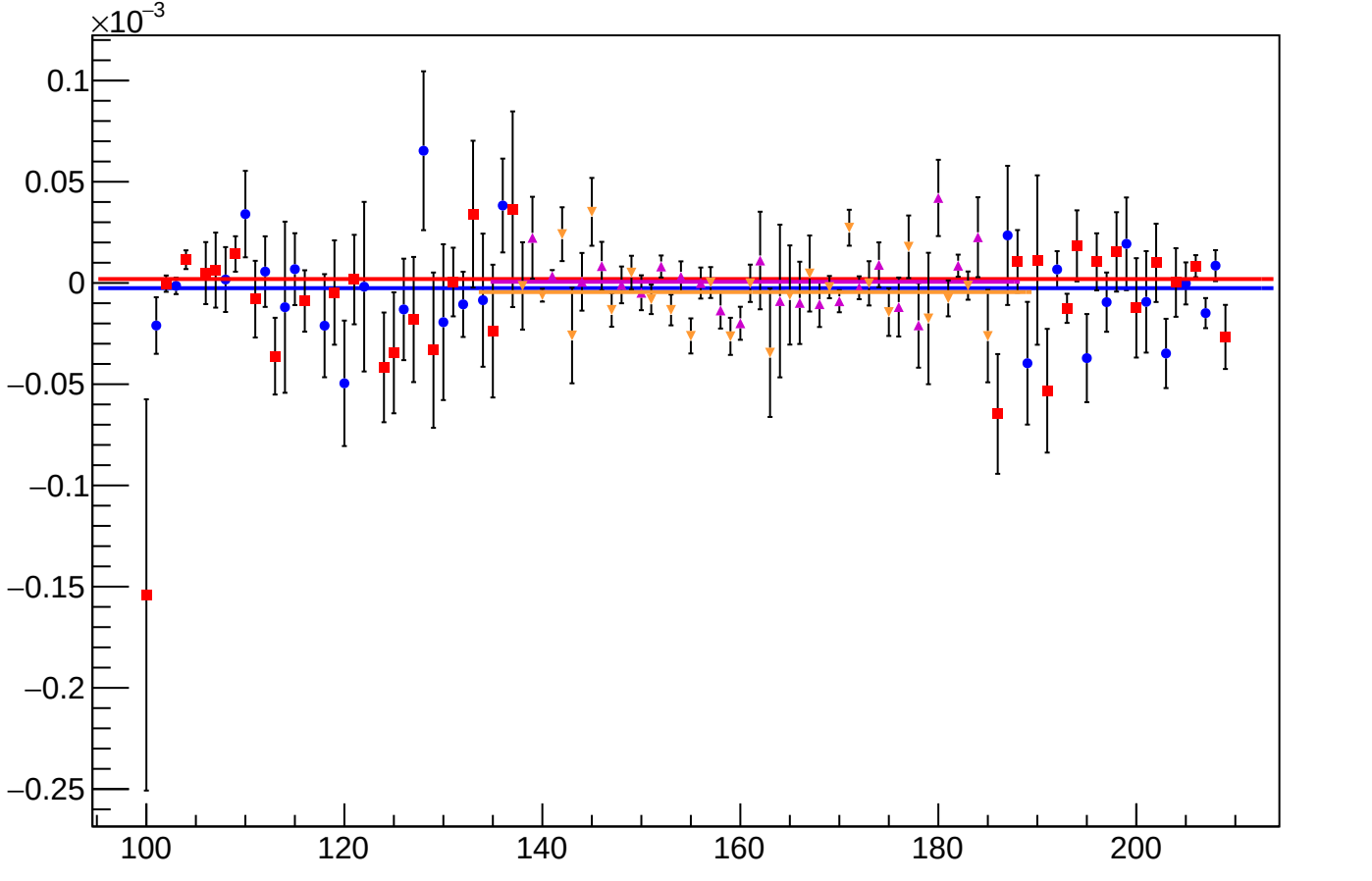
Right Out: 177.288+/-0.035 χ^2/NDF: 5505591.2/31

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060770.8/51

All: 221.842+/-0.021 χ^2/NDF: 17535370.0/10

- sign 211.473+/-0.028 χ^2/NDF: 10182179.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.0/31

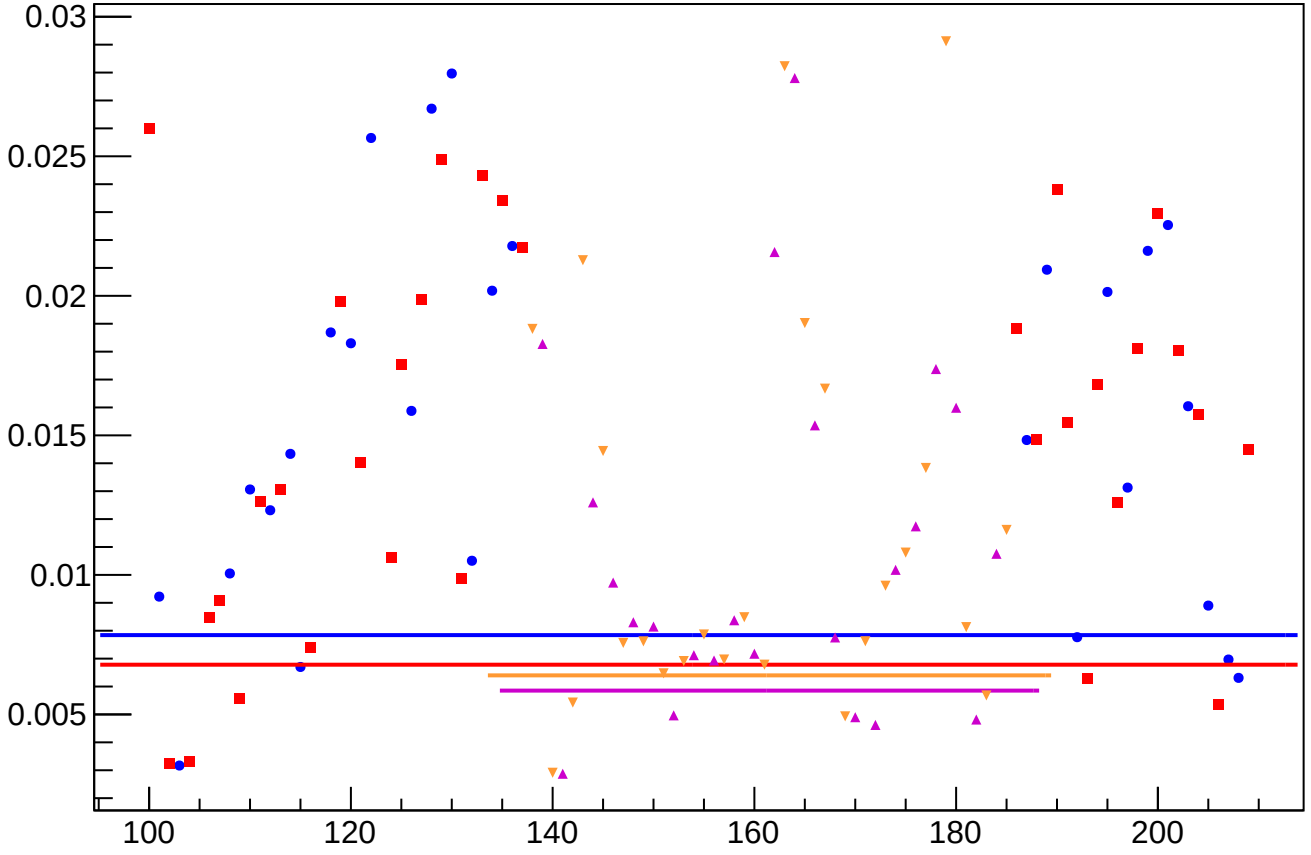
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.0/51

All: -0.000+/-0.000 χ^2/NDF: 154.2/106

- sign 0.000+/-0.000 χ^2/NDF: 70.4/54

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 9572303.8/26

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 12082816.7/31

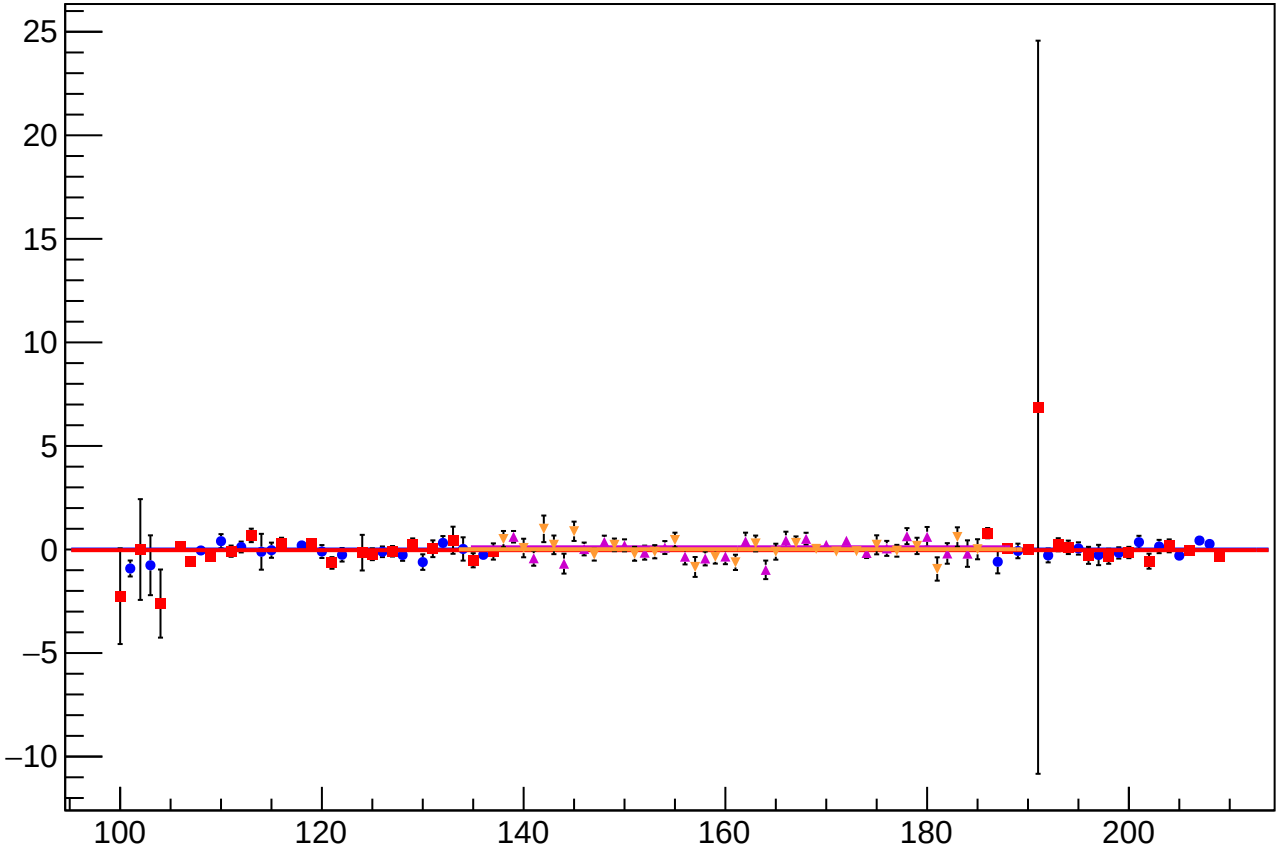
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 18995537.2/51

All: 0.007+/-0.000 χ^2/NDF: 39709194.2/106

- sign 0.006+/-0.000 χ^2/NDF: 20475577.1/54

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.033+/-0.049 χ^2/NDF: 46.8/31

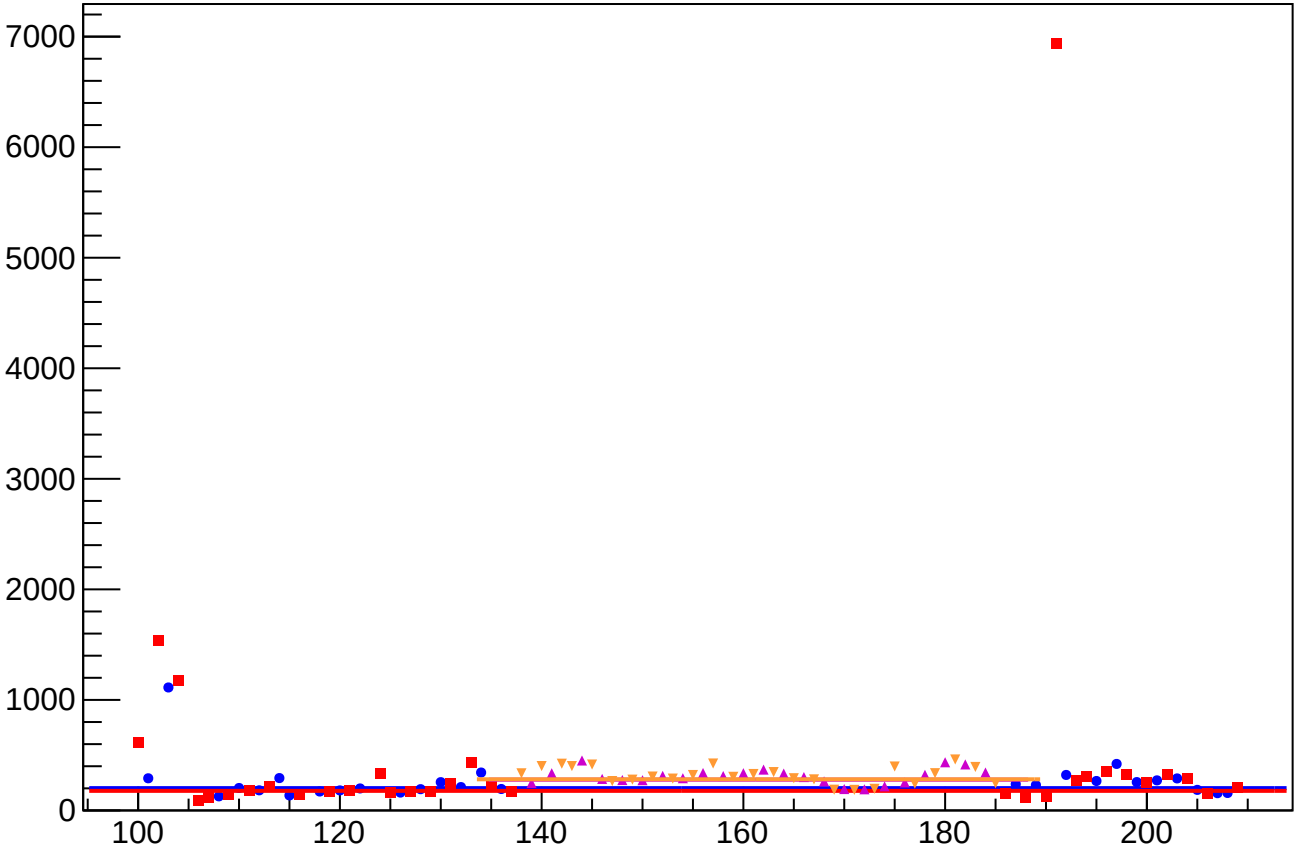
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.009+/-0.029 χ^2/NDF: 135.7/106

- sign 0.014+/-0.040 χ^2/NDF: 80.9/54

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 177.285+/-0.035 χ^2/NDF: 5505754.4/31

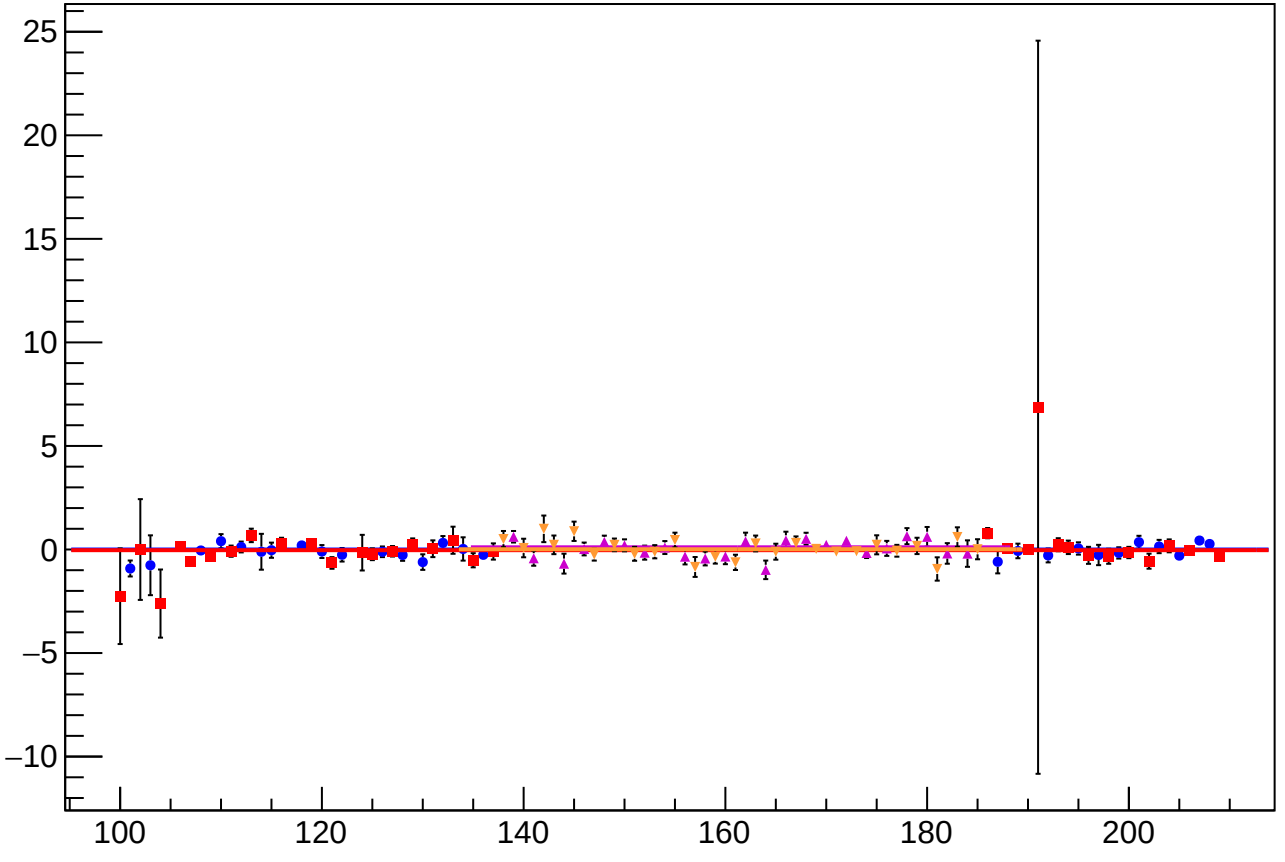
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060957.5/51

All: 221.841+/-0.021 χ^2/NDF: 17536107.1/10

- sign 211.471+/-0.028 χ^2/NDF: 10182669.7/54

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.033+/-0.049 χ^2/NDF: 46.8/31

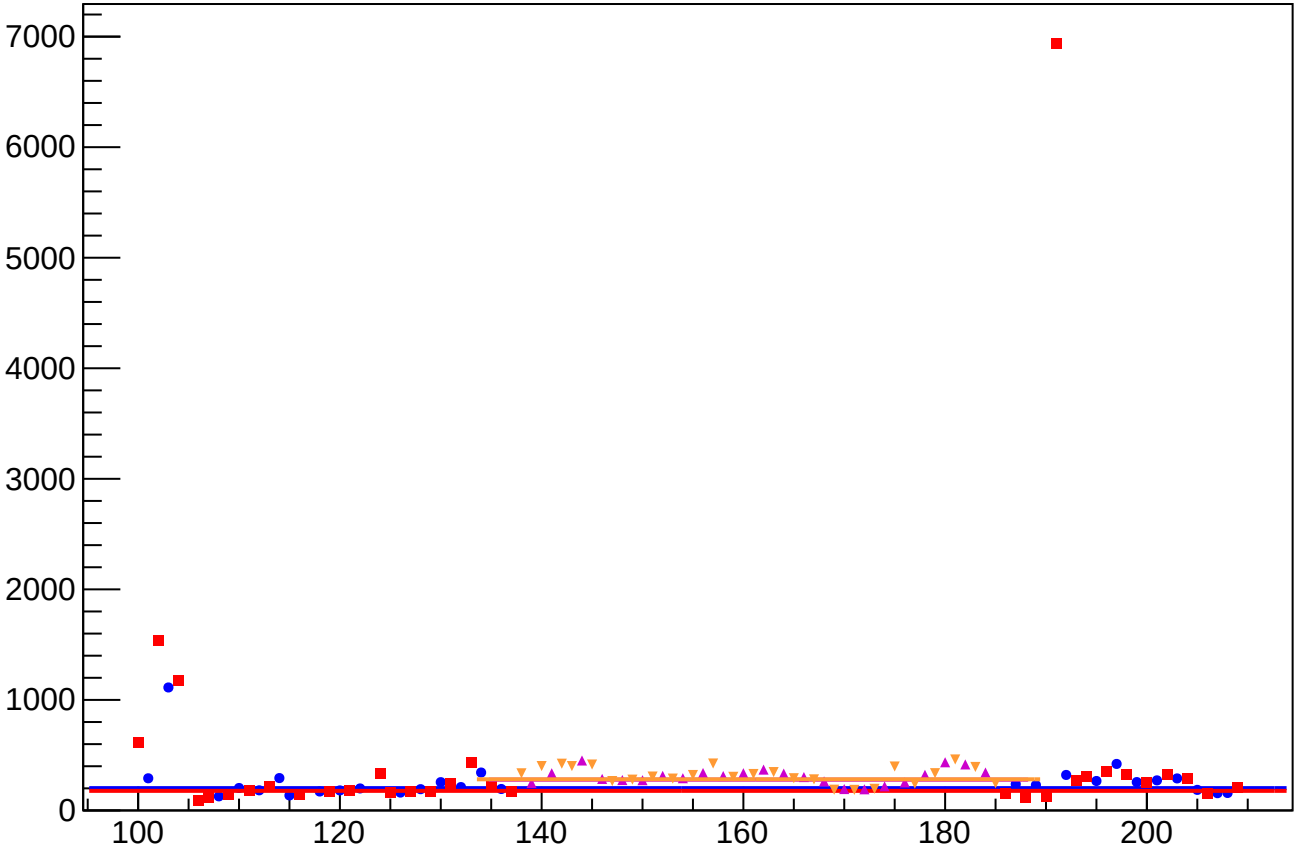
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.003+/-0.043 χ^2/NDF: 54.7/51

All: 0.009+/-0.029 χ^2/NDF: 135.7/106

- sign 0.014+/-0.040 χ^2/NDF: 80.9/54

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

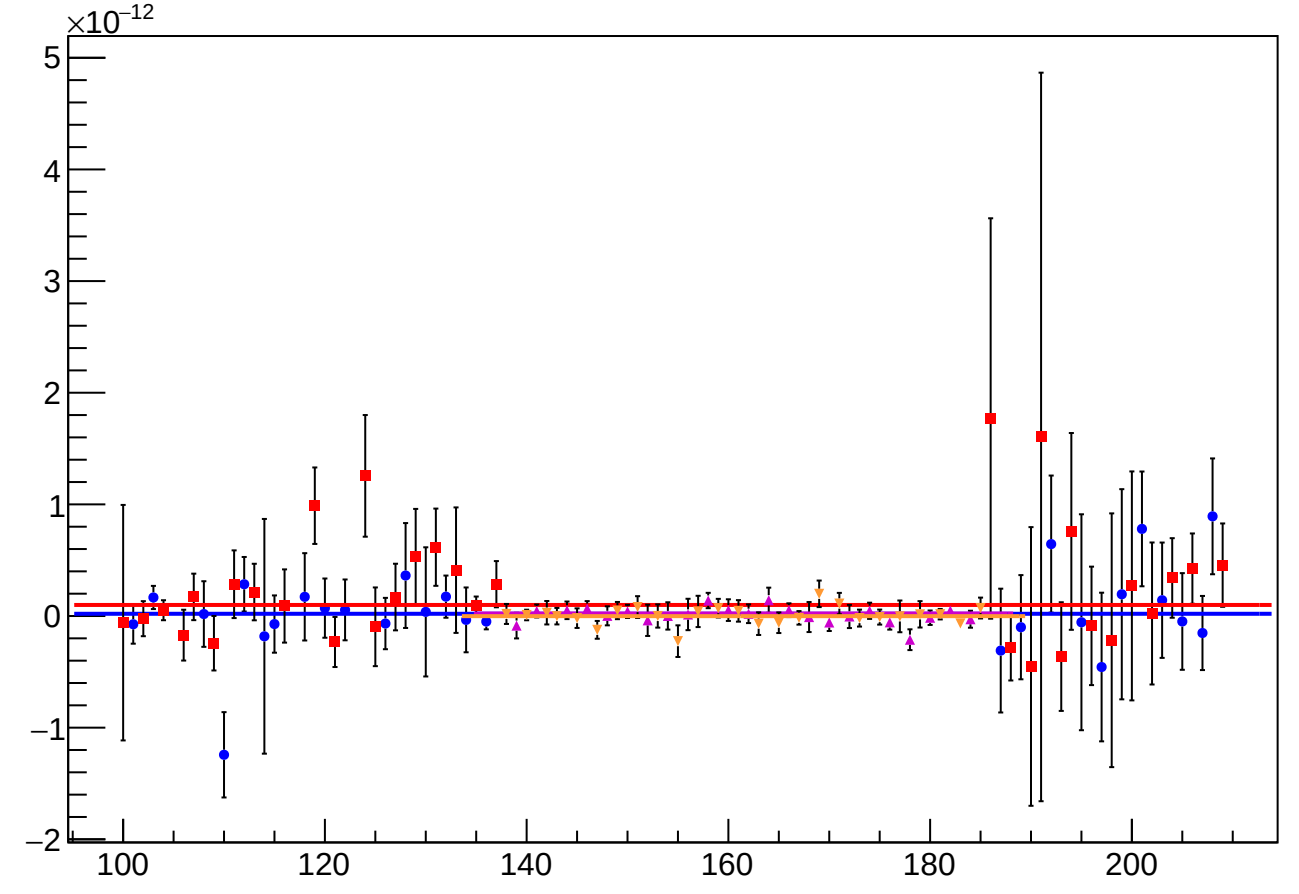
Right Out: 177.285+/-0.035 χ^2/NDF: 5505754.4/31

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 233.902+/-0.030 χ^2/NDF: 7060957.5/51

All: 221.841+/-0.021 χ^2/NDF: 17536107.1/10

- sign 211.471+/-0.028 χ^2/NDF: 10182669.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/31

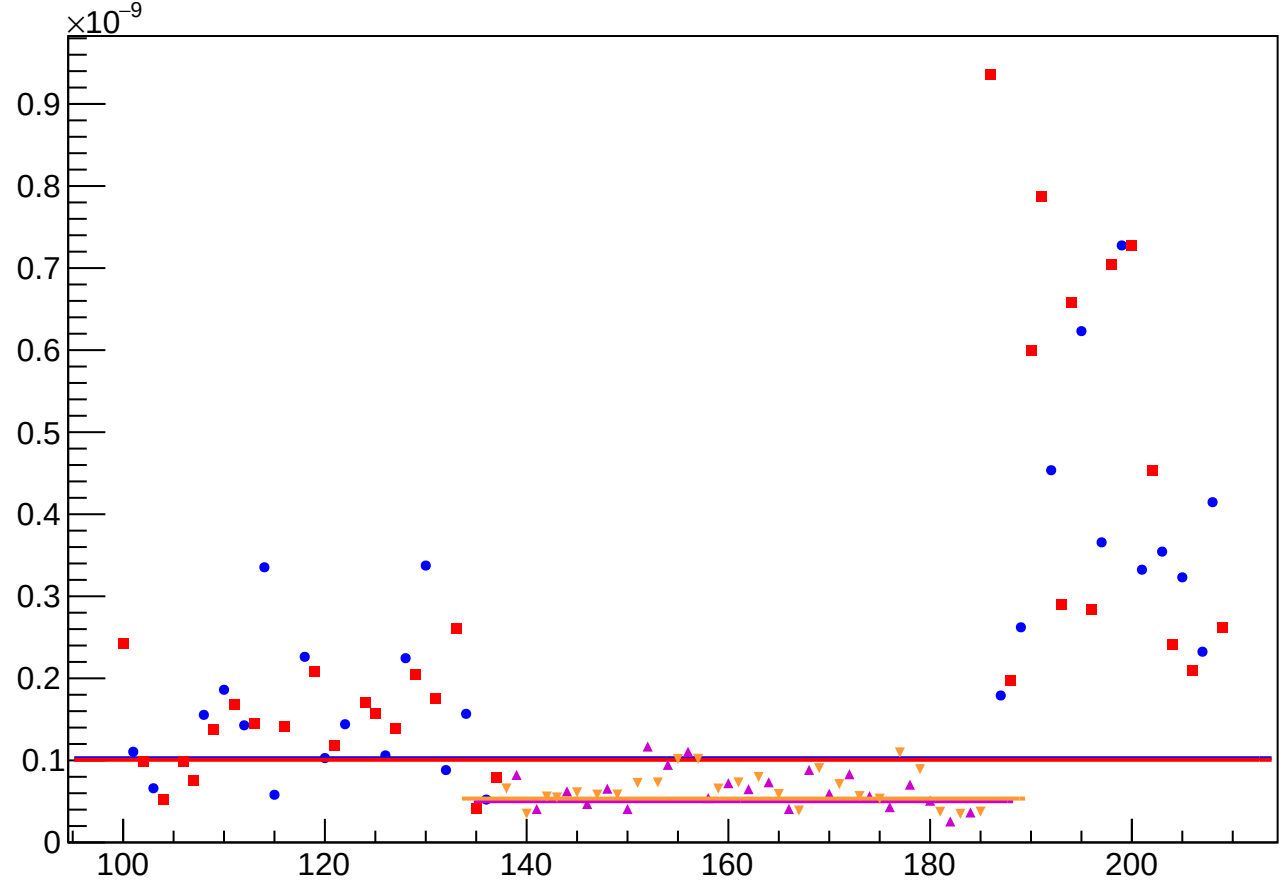
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.0/51

All: 0.000+/-0.000 χ^2/NDF: 92.2/106

- sign 0.000+/-0.000 χ^2/NDF: 50.0/54

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7574985.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7869408.0/31

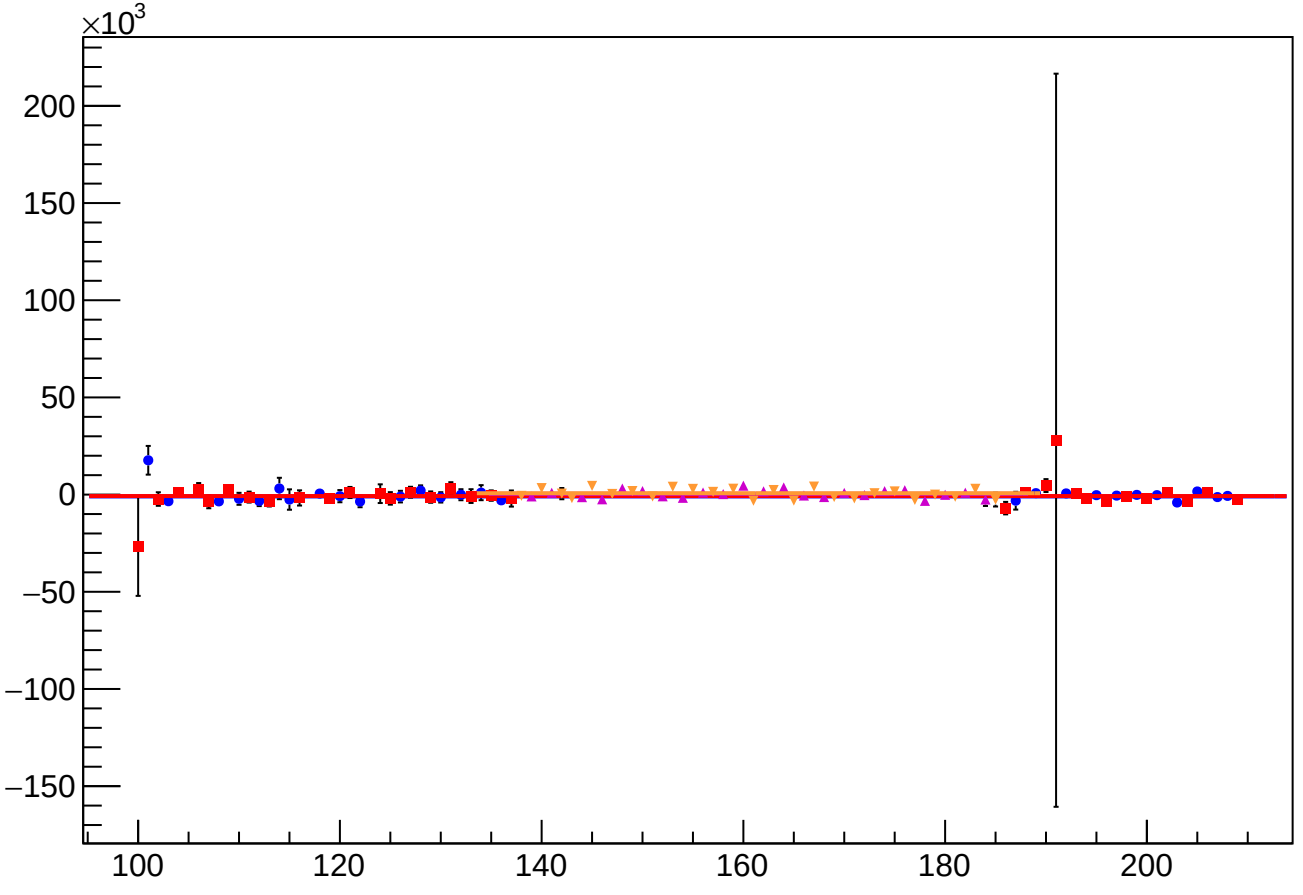
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12597345.6/51

All: 0.000+/-0.000 χ^2/NDF: 26363046.8/106

- sign 0.000+/-0.000 χ^2/NDF: 13723174.3/54

reg_asym_atr_dd_mean vs Slug



Right In: -942.098+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -744.389+/-470.263 χ^2/NDF: 24.2/31

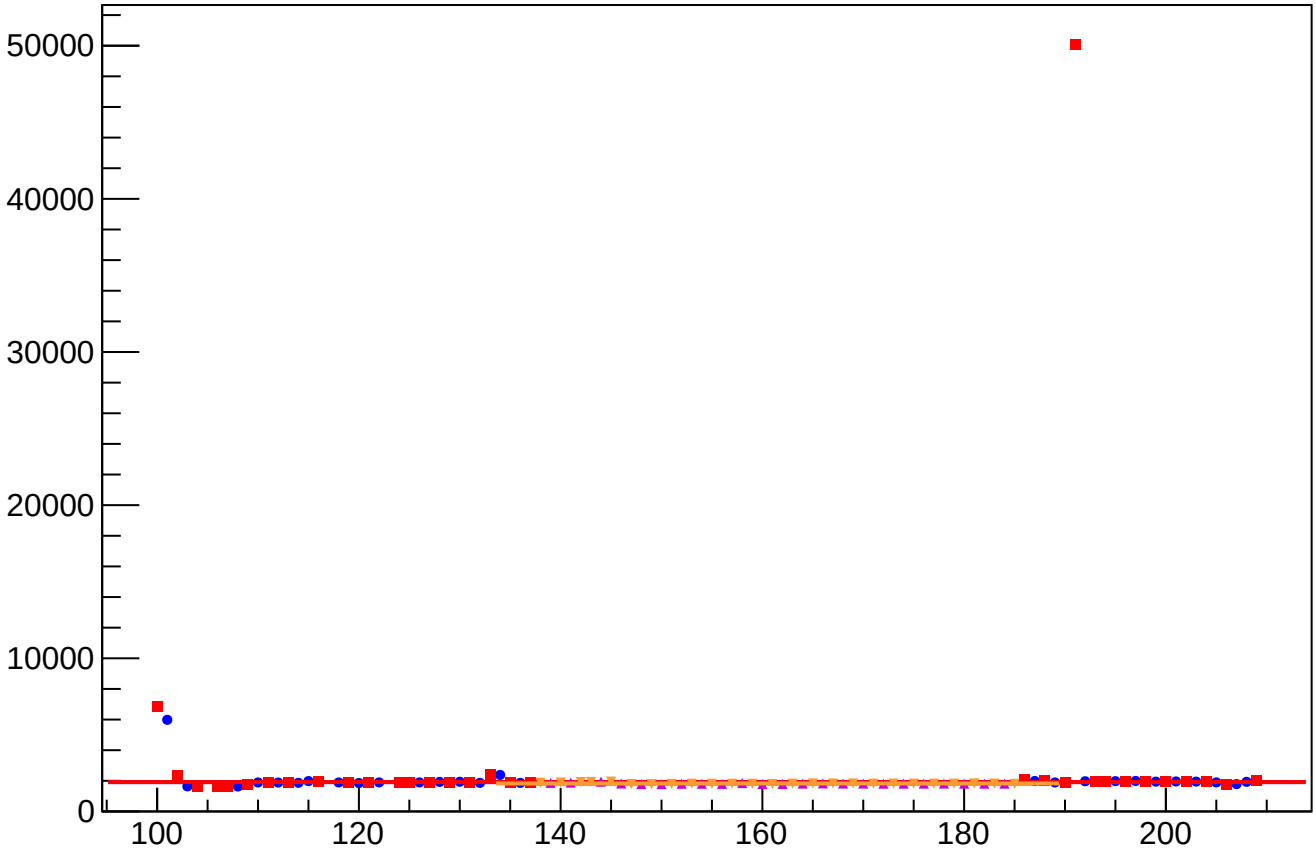
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 11.591+/-316.006 χ^2/NDF: 58.1/51

All: -51.431+/-223.379 χ^2/NDF: 106.4/106

- sign -114.375+/-315.807 χ^2/NDF: 48.2/54

reg_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.3/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

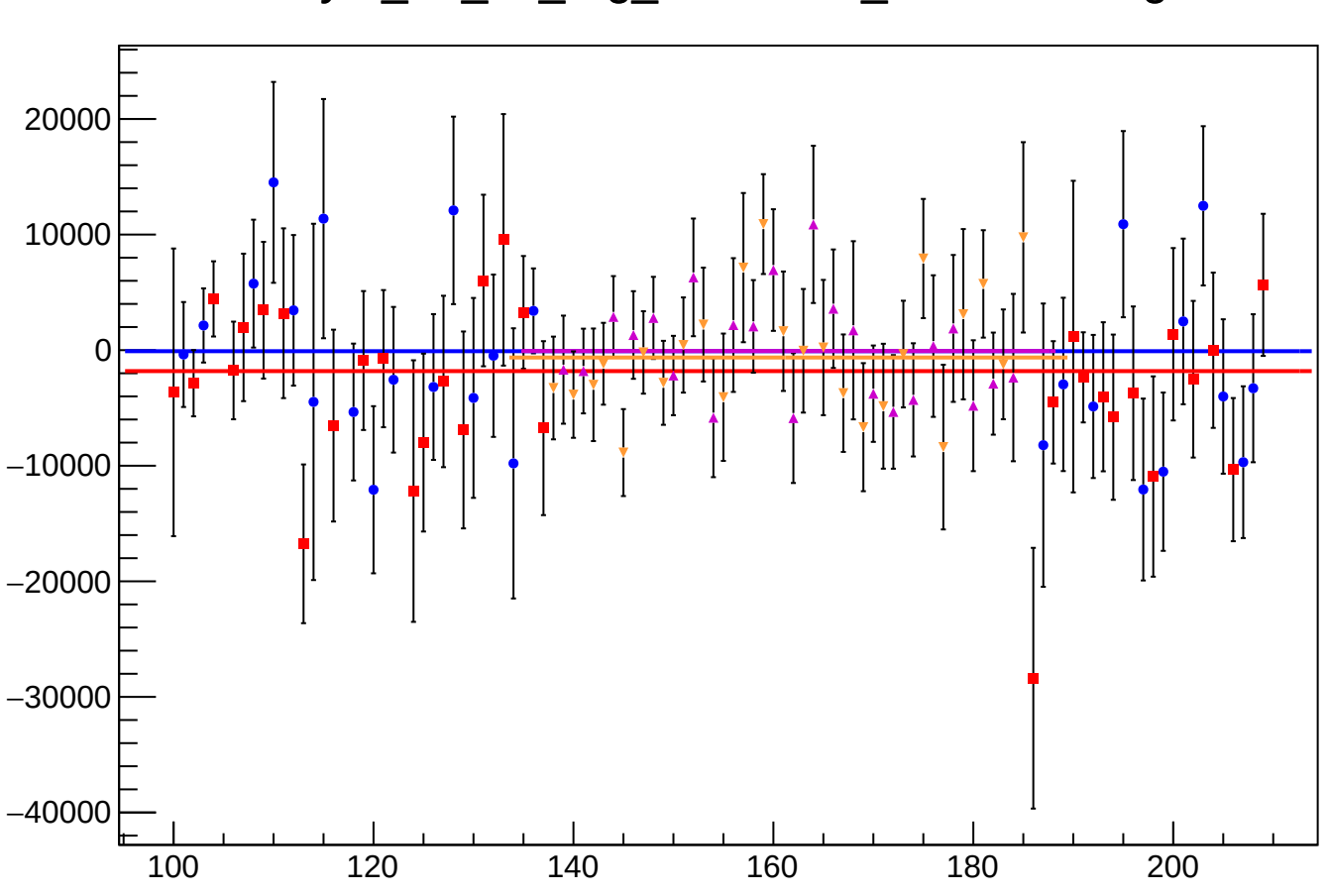
Right Out: 1918.986+/-0.332 χ^2/NDF: 389971.8/31

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF: 773514.7/51

All: 1866.375+/-0.158 χ^2/NDF: 1220680.6/10

- sign 1867.547+/-0.223 χ^2/NDF: 447110.8/54



Right In: -90.658+/-1220.816 χ^2/NDF: 27.9/26

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1813.604+/-1060.501 χ^2/NDF: 27.3/31

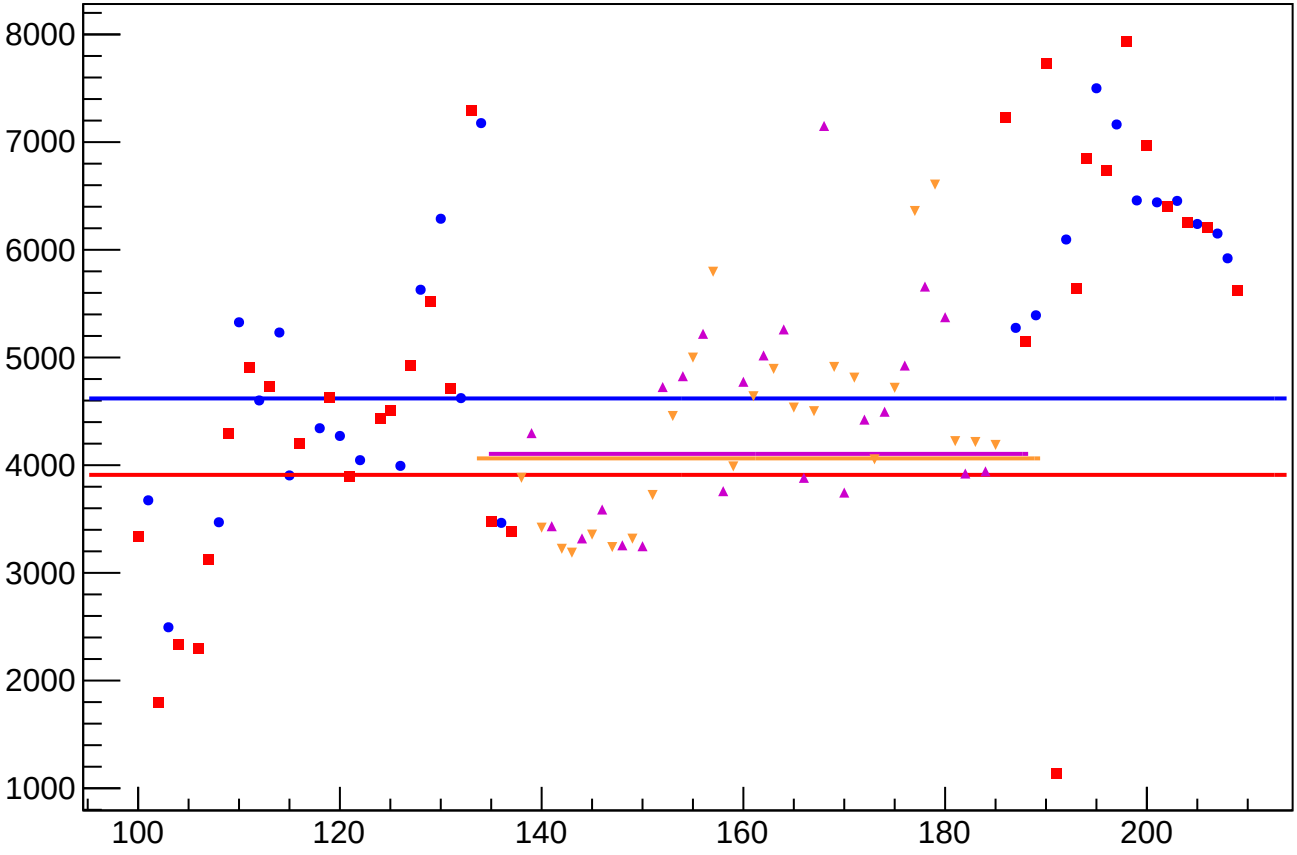
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -432.229+/-748.200 χ^2/NDF: 54.0/51

All: -662.915+/-518.740 χ^2/NDF: 98.3/106

- sign -876.445+/-719.839 χ^2/NDF: 44.2/54

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4619.752+/-0.863 χ^2/NDF: 2850570.0/26

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3910.073+/-0.750 χ^2/NDF: 6283924.9/31

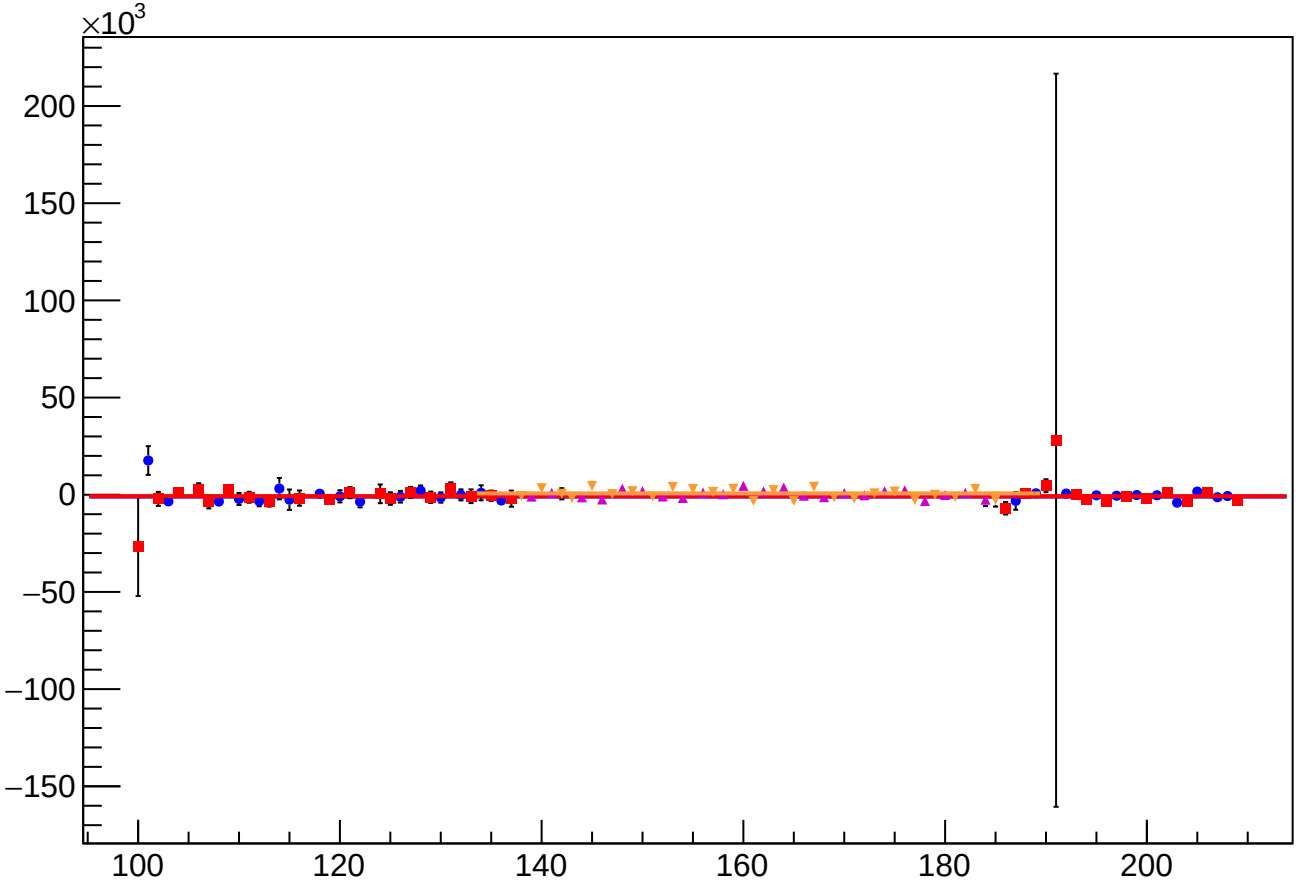
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4272.188+/-0.529 χ^2/NDF: 4515228.0/51

All: 4138.742+/-0.367 χ^2/NDF: 12317616.5/1

- sign 4015.222+/-0.509 χ^2/NDF: 7679877.6/54

cor_asym_atr_dd_mean vs Slug



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -740.184+/-470.546 χ^2/NDF: 24.1/31

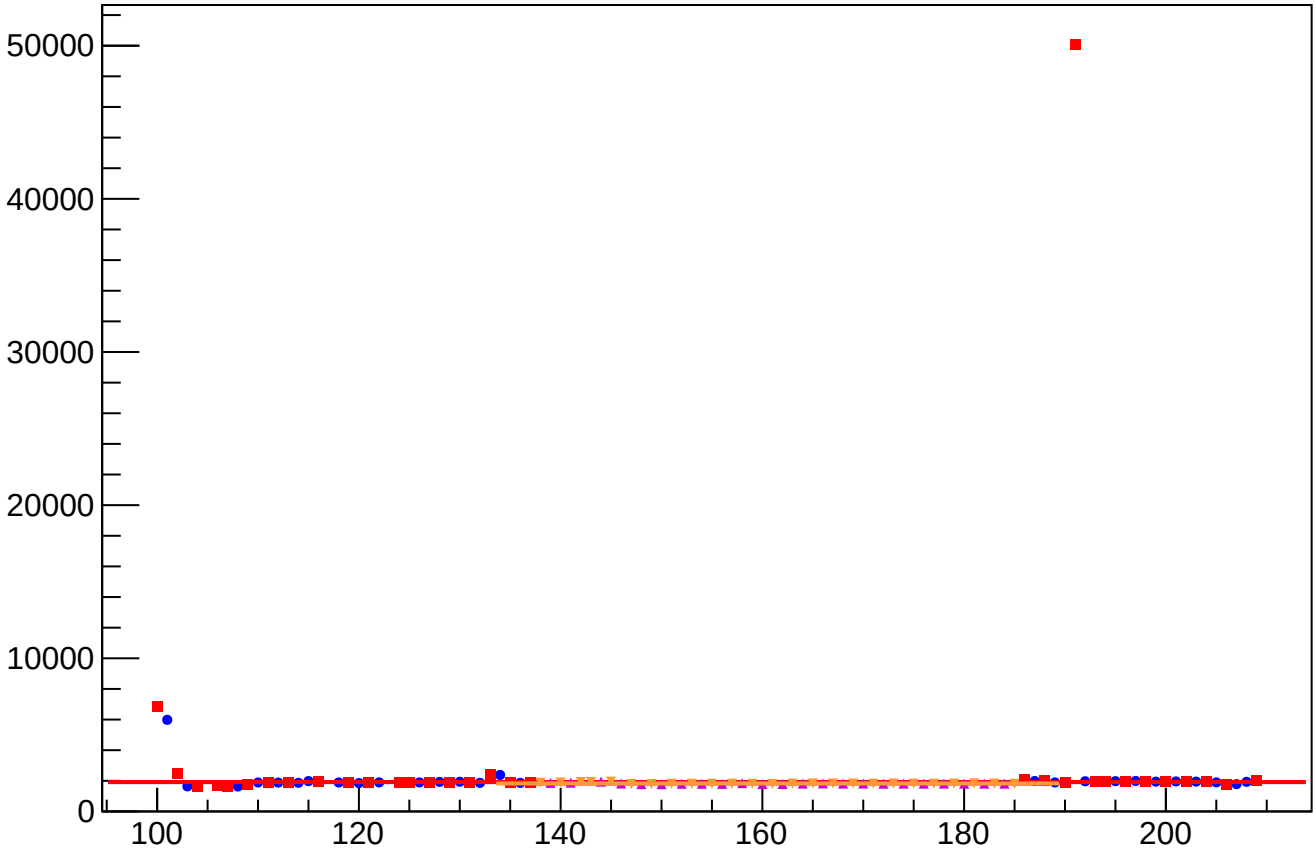
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 11.536+/-316.006 χ^2/NDF: 58.0/51

All: -50.368+/-223.410 χ^2/NDF: 106.2/106

- sign -112.227+/-315.892 χ^2/NDF: 48.1/54

cor_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

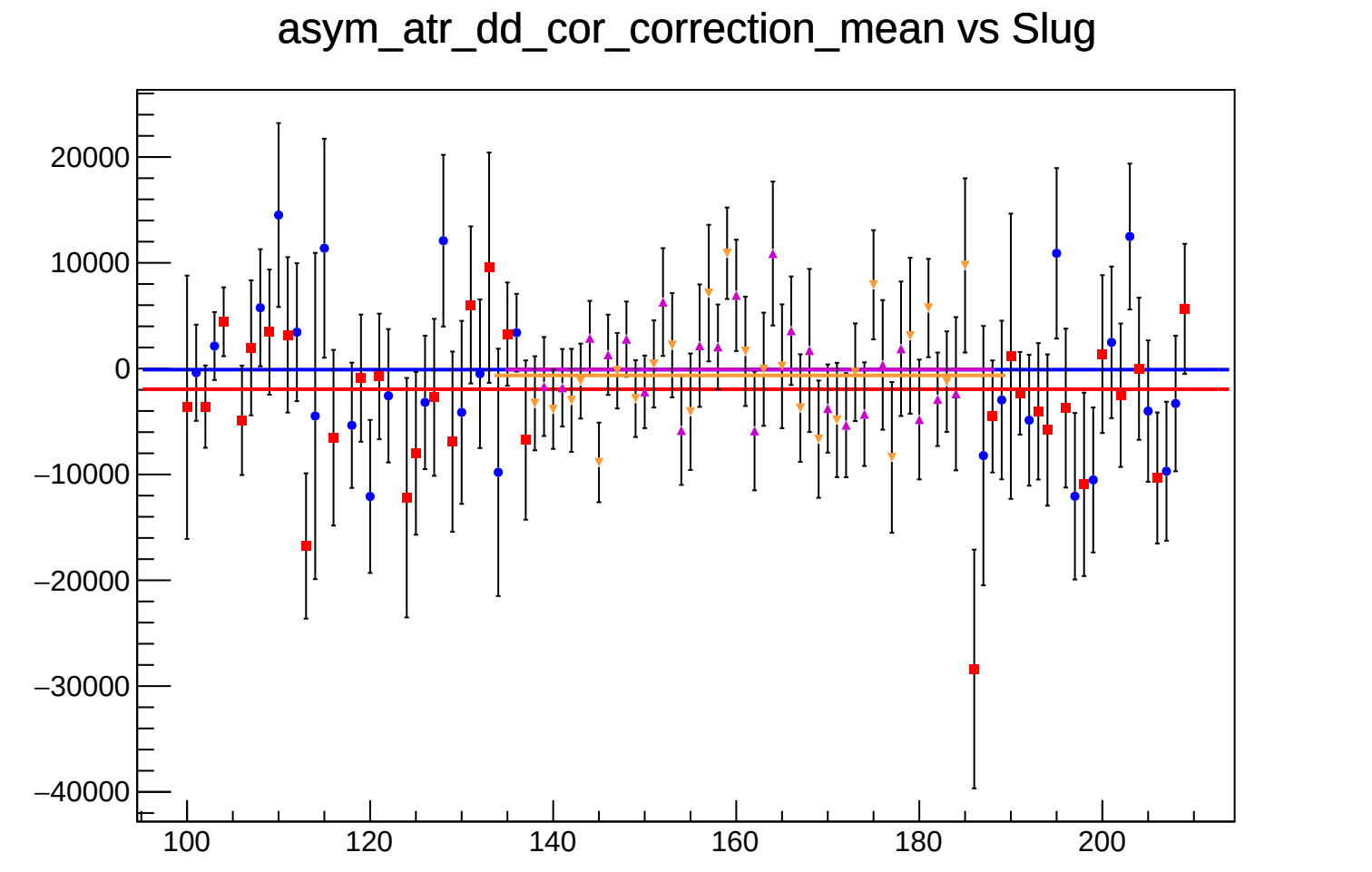
Right Out: 1922.141+/-0.332 χ^2/NDF: 396472.1/31

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF: 773514.7/51

All: 1867.053+/-0.158 χ^2/NDF: 1230183.5/10

- sign 1868.904+/-0.223 χ^2/NDF: 456531.3/54



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1944.027+/-1107.908 χ^2/NDF: 27.7/31

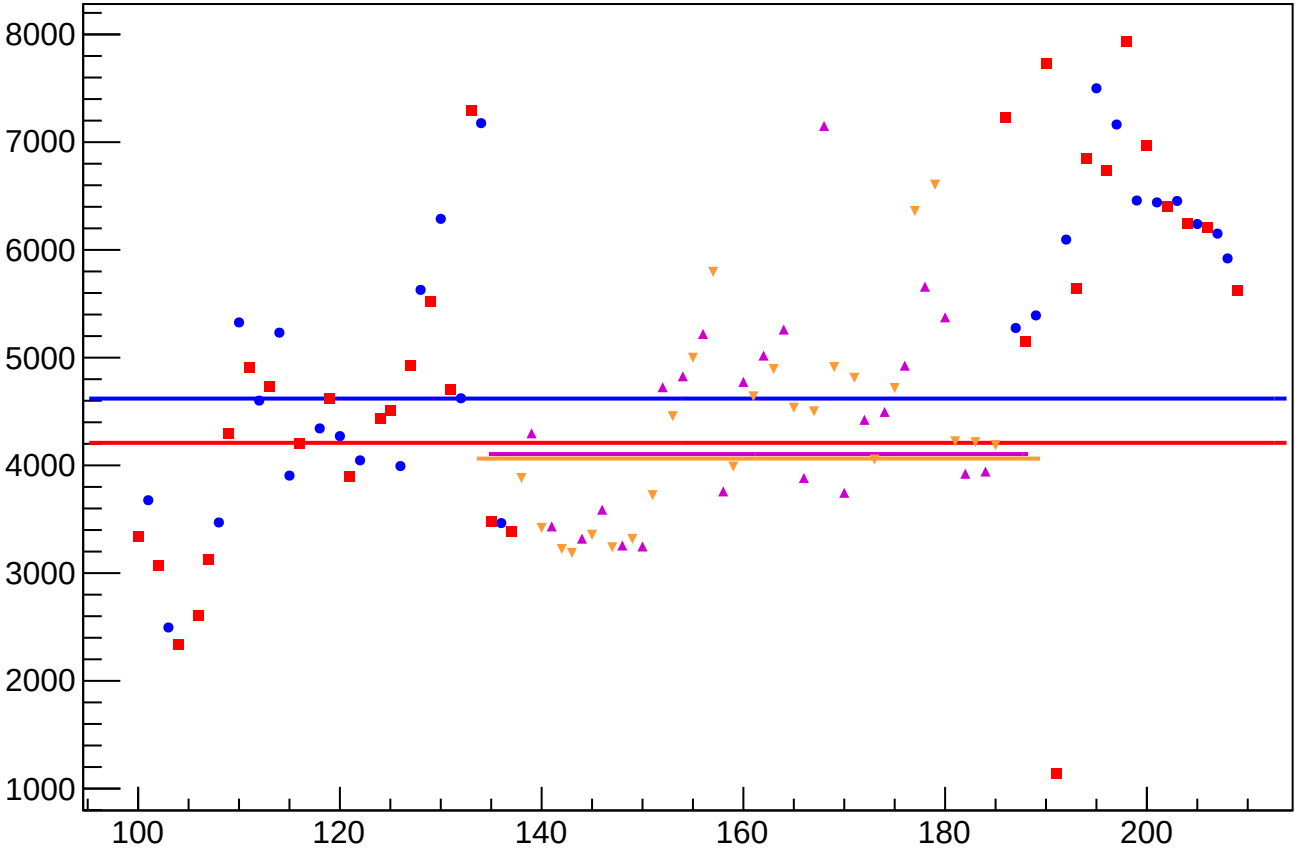
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -432.652+/-748.222 χ^2/NDF: 54.0/51

All: -668.784+/-524.024 χ^2/NDF: 98.9/106

- sign -896.112+/-734.142 χ^2/NDF: 44.7/54

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

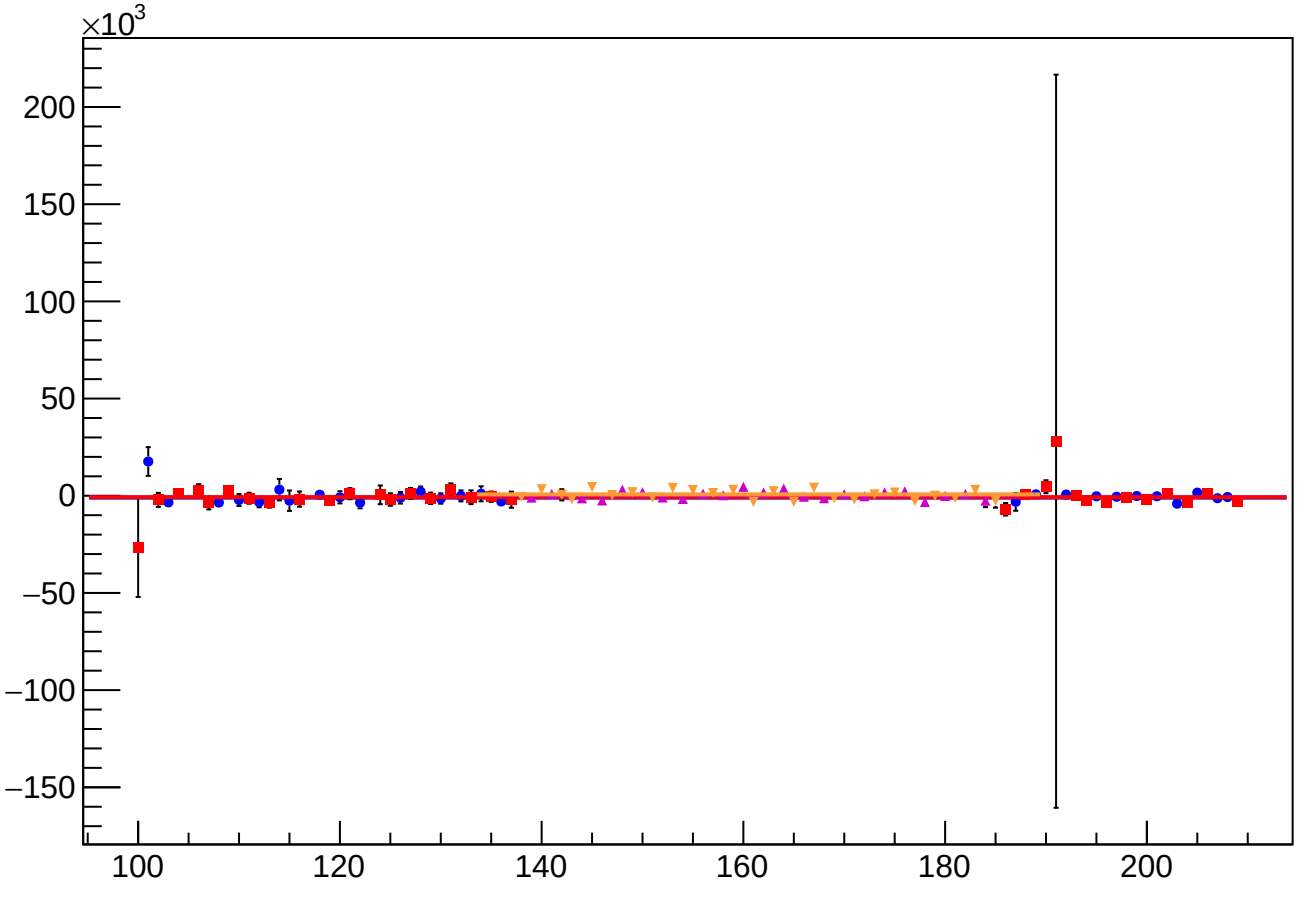
Right Out: 4209.223+/-0.783 χ^2/NDF: 4976437.5/31

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4272.347+/-0.529 χ^2/NDF: 4514296.7/51

All: 4210.414+/-0.371 χ^2/NDF: 10887048.6/1

- sign 4150.791+/-0.519 χ^2/NDF: 6345857.4/54



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -740.184+/-470.546 χ^2/NDF: 24.1/31

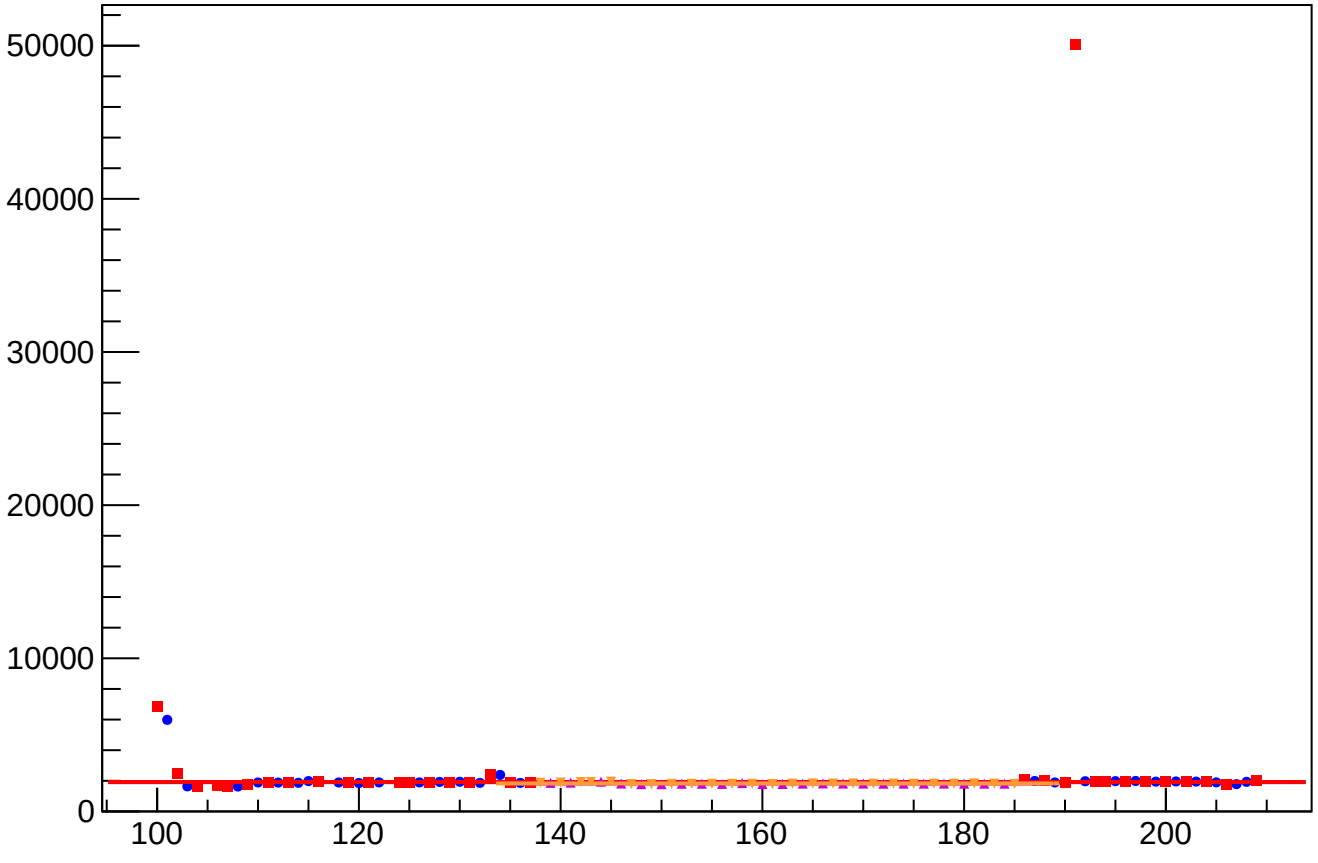
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 11.536+/-316.006 χ^2/NDF: 58.0/51

All: -50.368+/-223.410 χ^2/NDF: 106.2/106

- sign -112.227+/-315.892 χ^2/NDF: 48.1/54

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

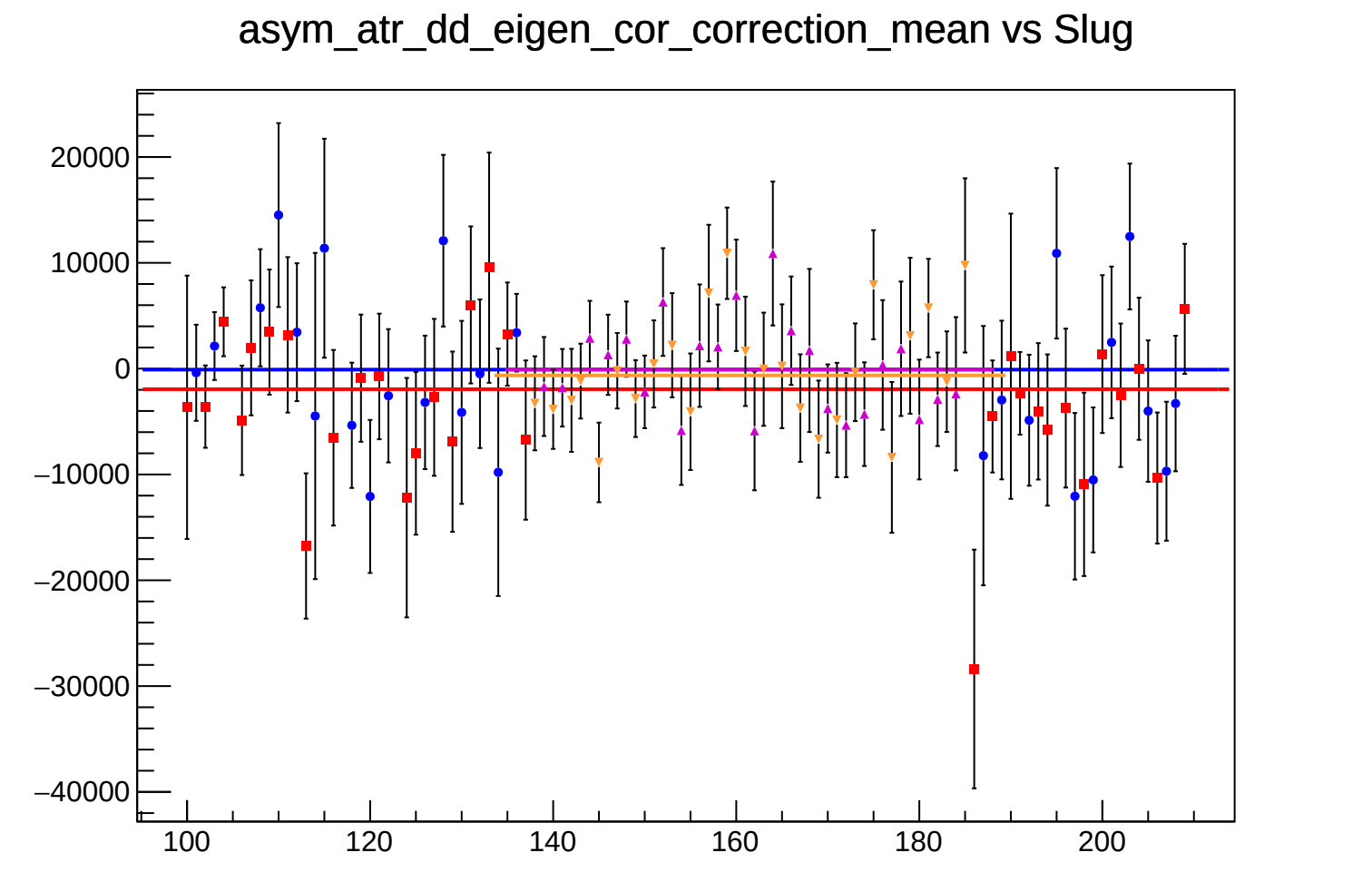
Right Out: 1922.141+/-0.332 χ^2/NDF: 396472.1/31

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.201+/-0.223 χ^2/NDF: 773514.7/51

All: 1867.053+/-0.158 χ^2/NDF: 1230183.5/10

- sign 1868.904+/-0.223 χ^2/NDF: 456531.3/54



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1944.027+/-1107.908 χ^2/NDF: 27.7/31

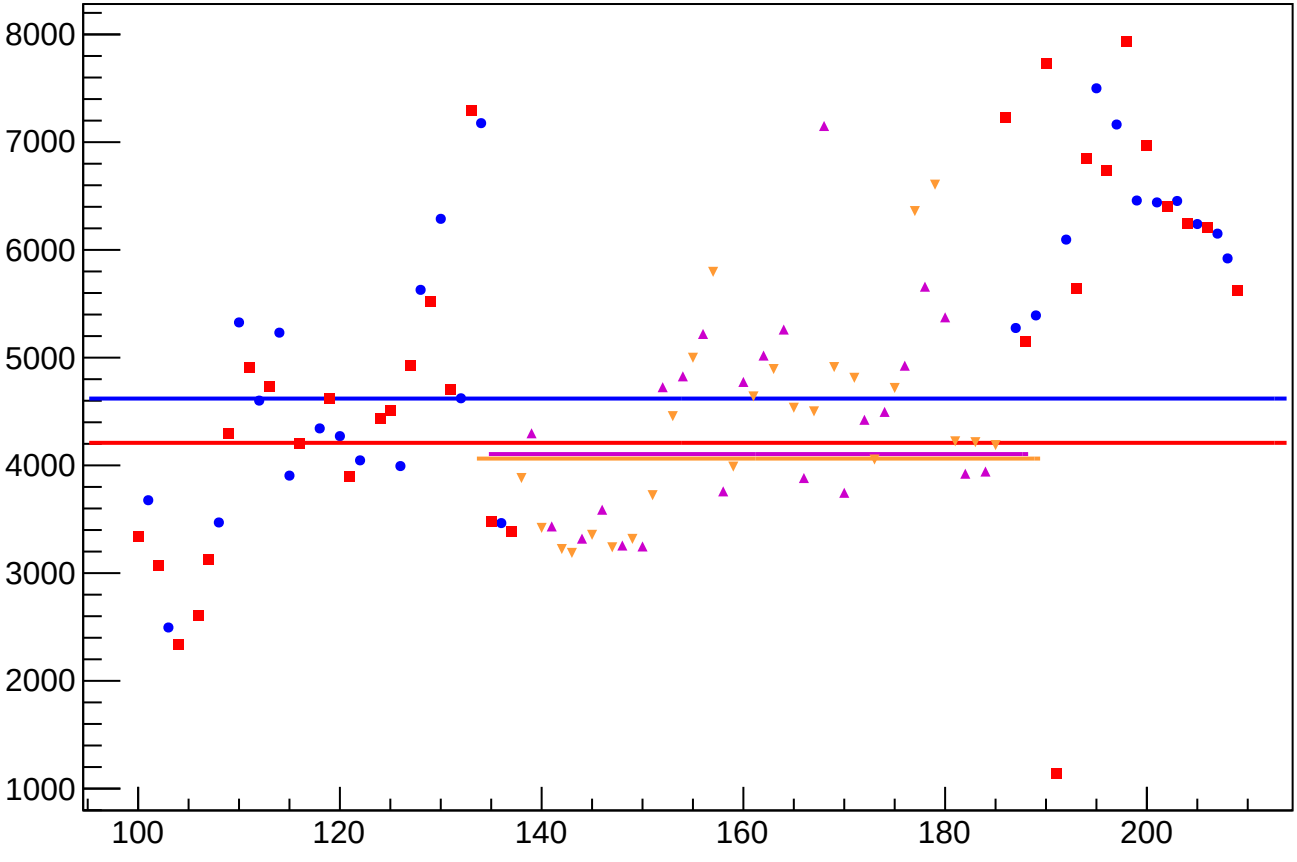
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -432.652+/-748.222 χ^2/NDF: 54.0/51

All: -668.784+/-524.024 χ^2/NDF: 98.9/106

- sign -896.112+/-734.142 χ^2/NDF: 44.7/54

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4209.223+/-0.783 χ^2/NDF: 4976437.5/31

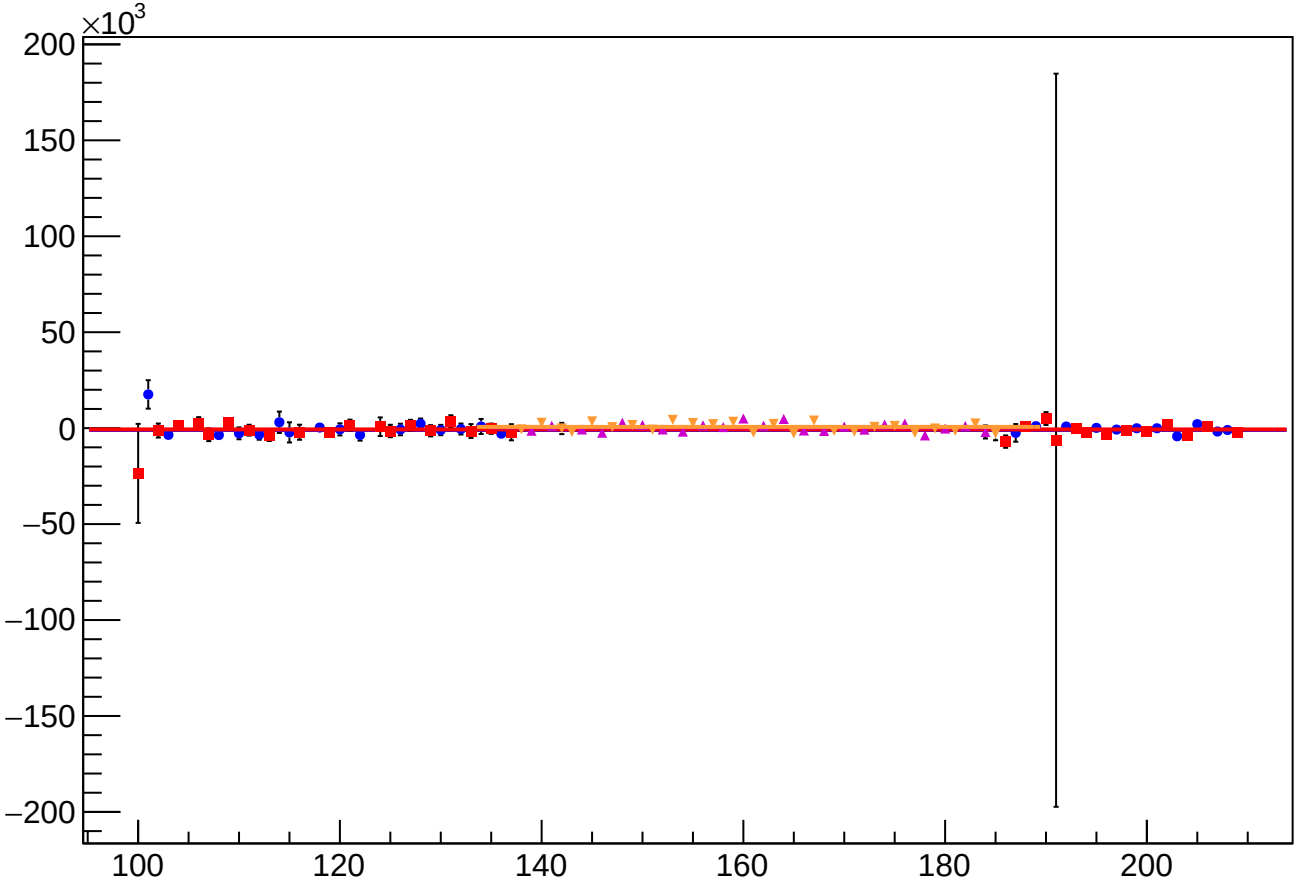
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4272.347+/-0.529 χ^2/NDF: 4514296.7/51

All: 4210.414+/-0.371 χ^2/NDF: 10887048.6/1

- sign 4150.791+/-0.519 χ^2/NDF: 6345857.4/54

dit_asym_atr_dd_mean vs Slug



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -681.609+/-474.980 χ^2/NDF: 25.7/31

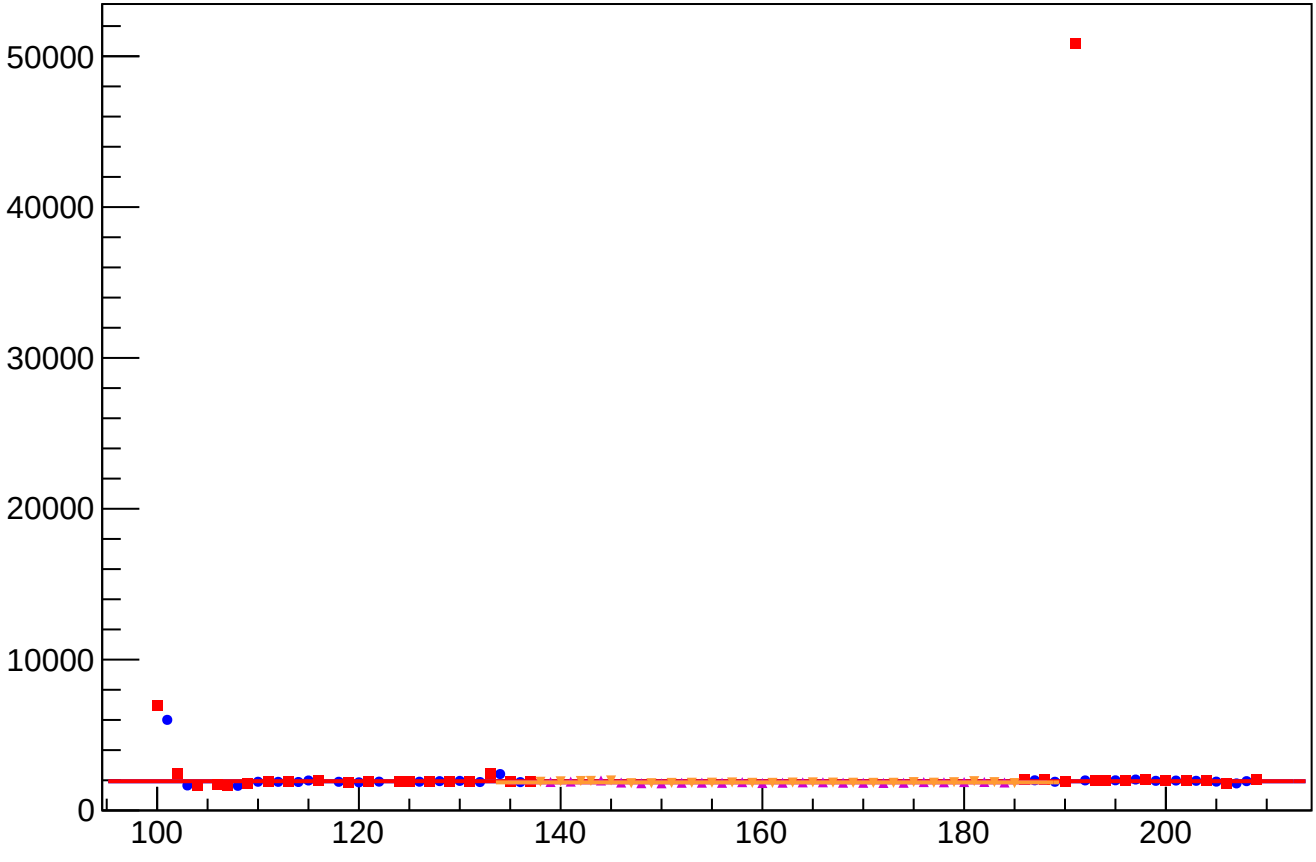
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

\+ sign -15.741+/-320.500 χ^2/NDF: 53.9/51

All: -50.907+/-226.570 χ^2/NDF: 106.2/106

\- sign -86.038+/-320.336 χ^2/NDF: 52.2/54

dit_asym_atr_dd_rms vs Slug



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.4/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1939.668+/-0.336 χ^2/NDF: 405718.3/31

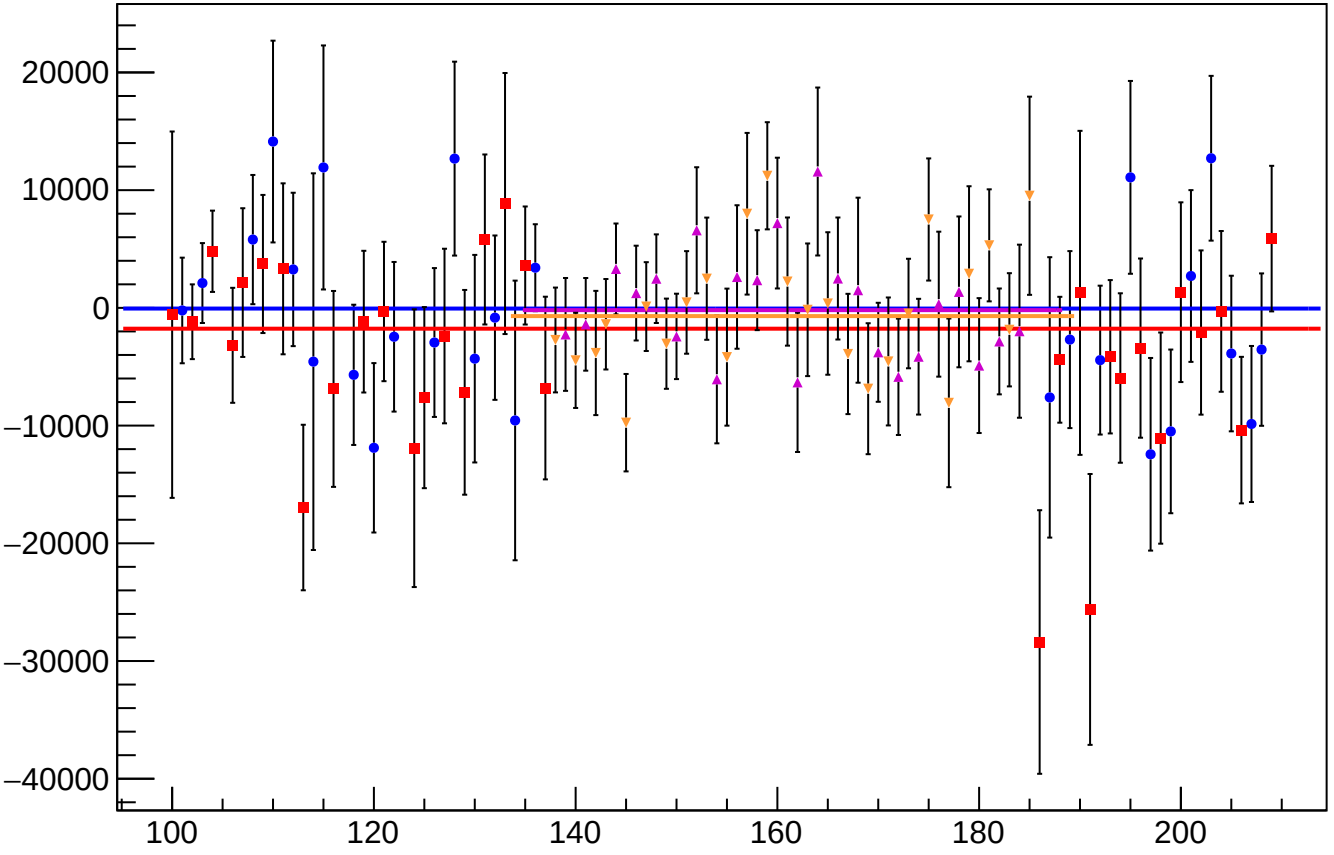
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1891.655+/-0.227 χ^2/NDF: 769994.0/51

All: 1893.319+/-0.160 χ^2/NDF: 1224719.6/10

- sign 1894.981+/-0.226 χ^2/NDF: 454617.8/54

asym_atr_dd_dit_correction_mean vs Slug



Right In: -58.031+/-1235.749 χ^2/NDF: 27.8/26

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1768.439+/-1138.390 χ^2/NDF: 31.4/31

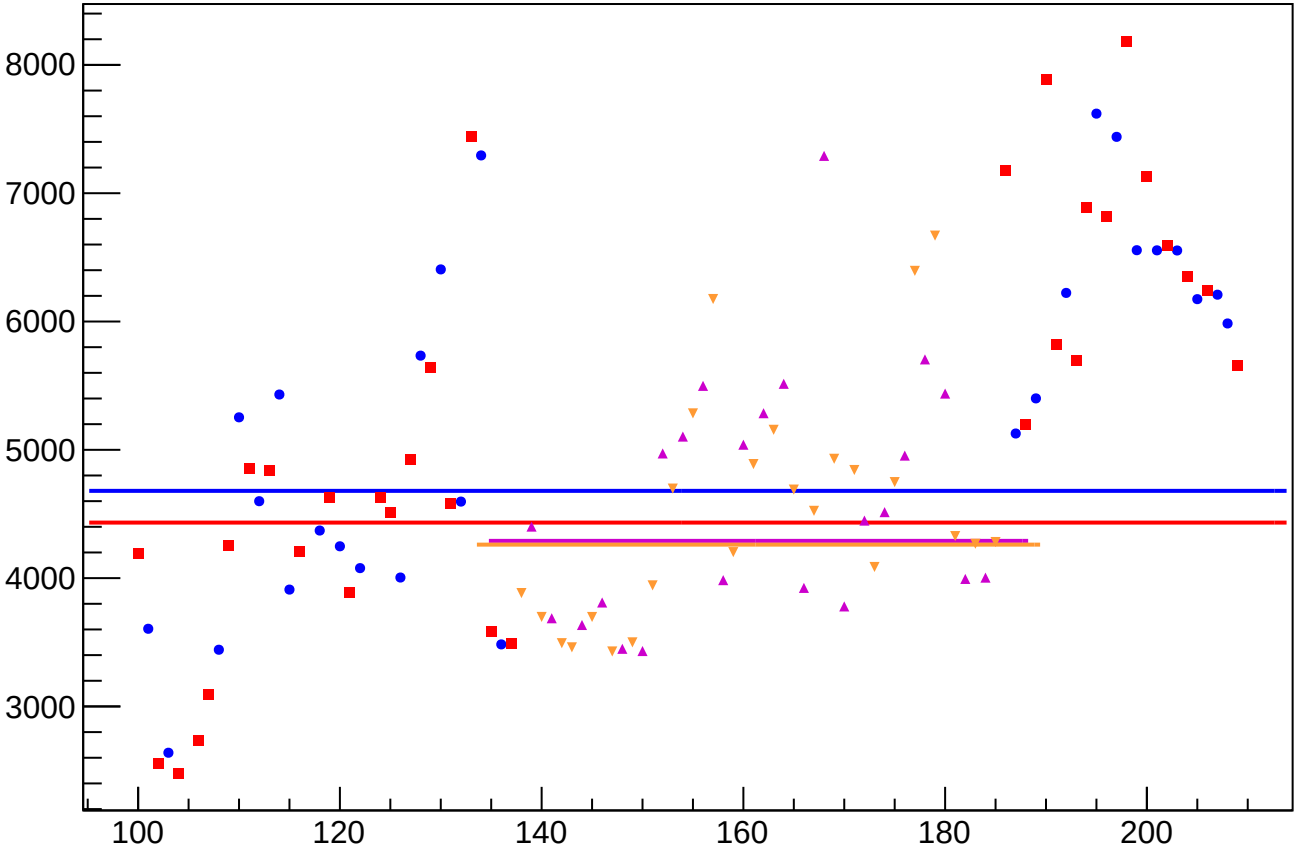
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -447.988+/-772.649 χ^2/NDF: 53.2/51

All: -675.572+/-542.067 χ^2/NDF: 101.1/106

- sign -896.162+/-760.687 χ^2/NDF: 47.7/54

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4680.178+/-0.874 χ^2/NDF: 2770452.7/26

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

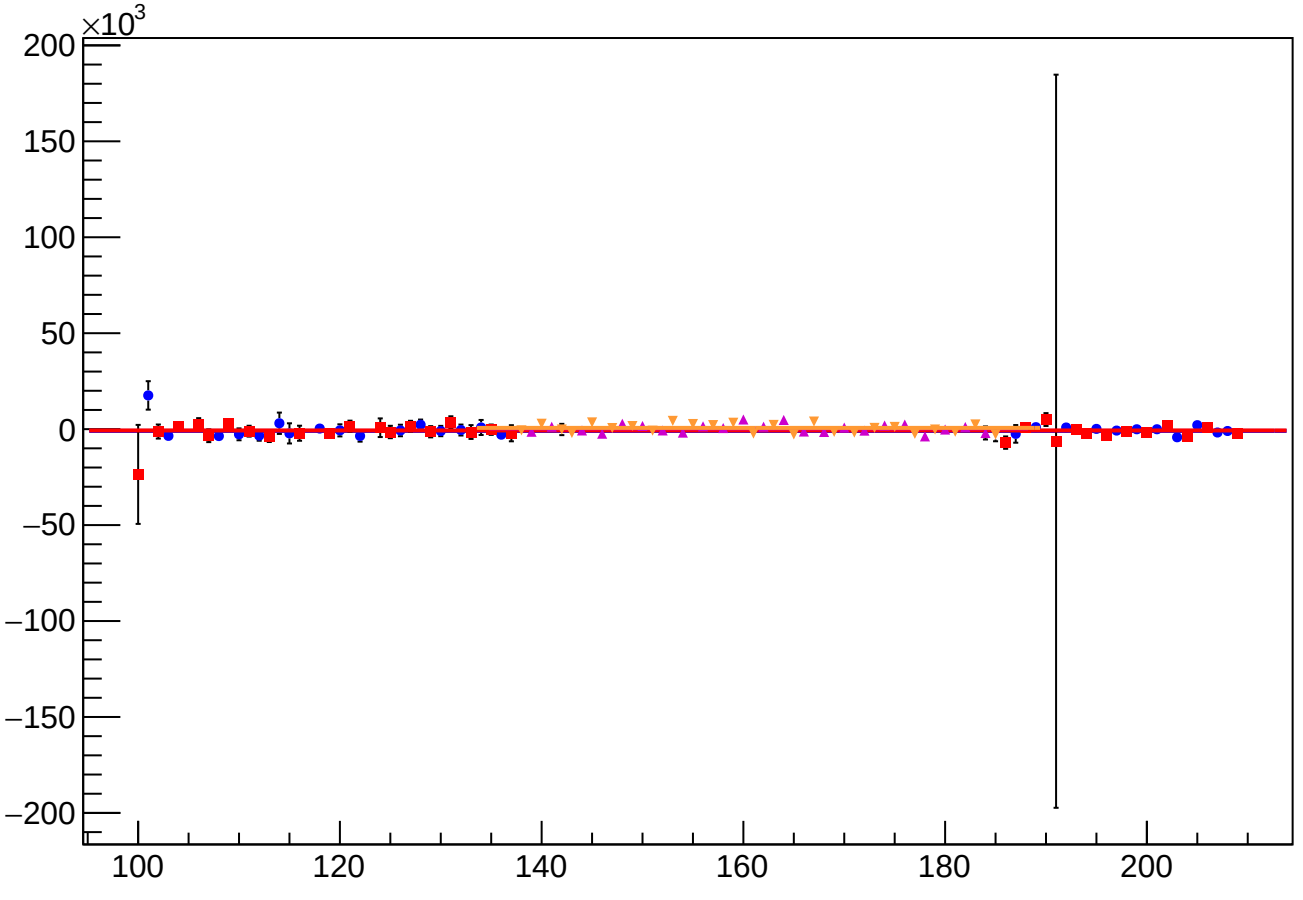
Right Out: 4432.913+/-0.805 χ^2/NDF: 4009941.0/31

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4424.947+/-0.546 χ^2/NDF: 4101093.0/51

All: 4388.936+/-0.383 χ^2/NDF: 9350903.2/10

- sign 4354.032+/-0.538 χ^2/NDF: 5241254.9/54



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -681.607+/-474.980 χ^2/NDF: 25.7/31

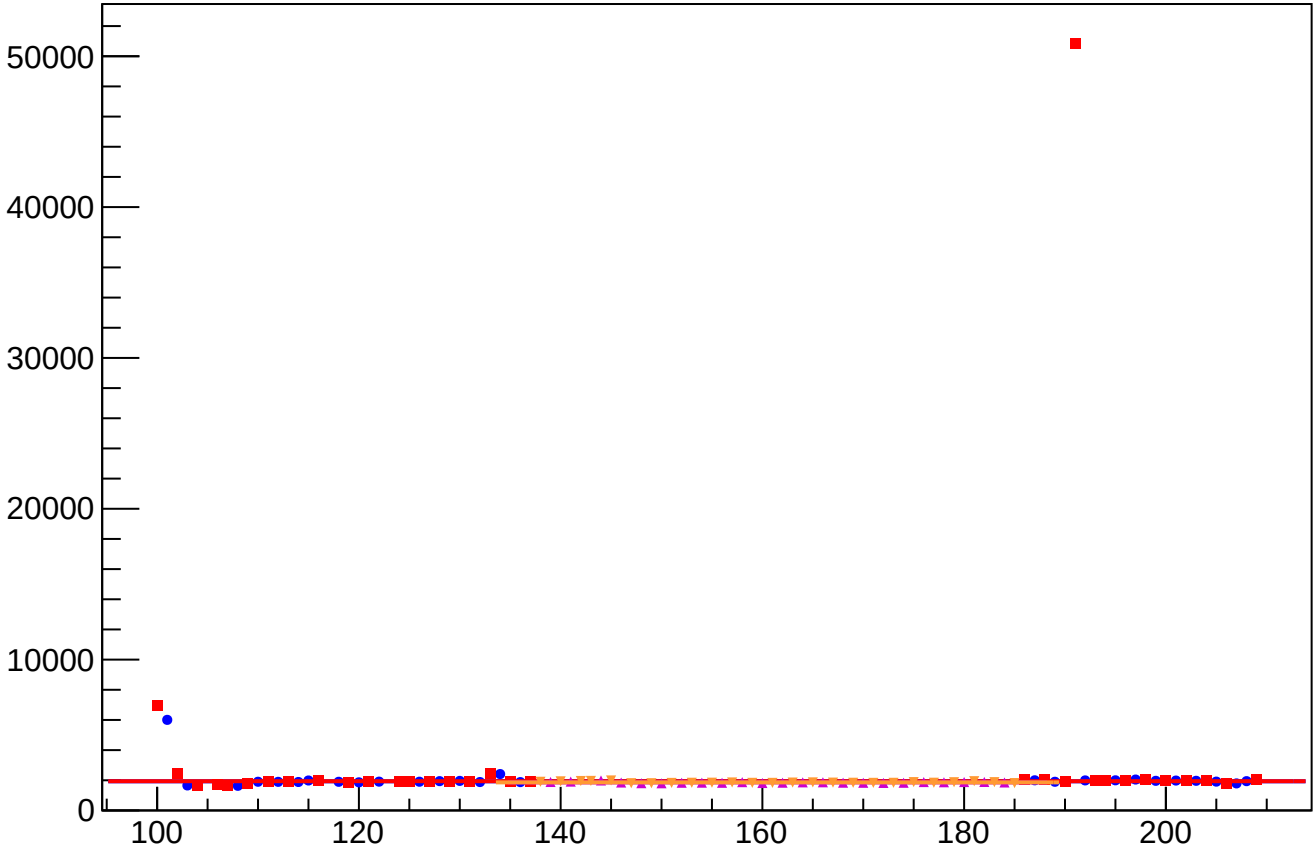
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -15.738+/-320.500 χ^2/NDF: 53.9/51

All: -50.905+/-226.570 χ^2/NDF: 106.2/106

- sign -86.037+/-320.336 χ^2/NDF: 52.2/54

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.2/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

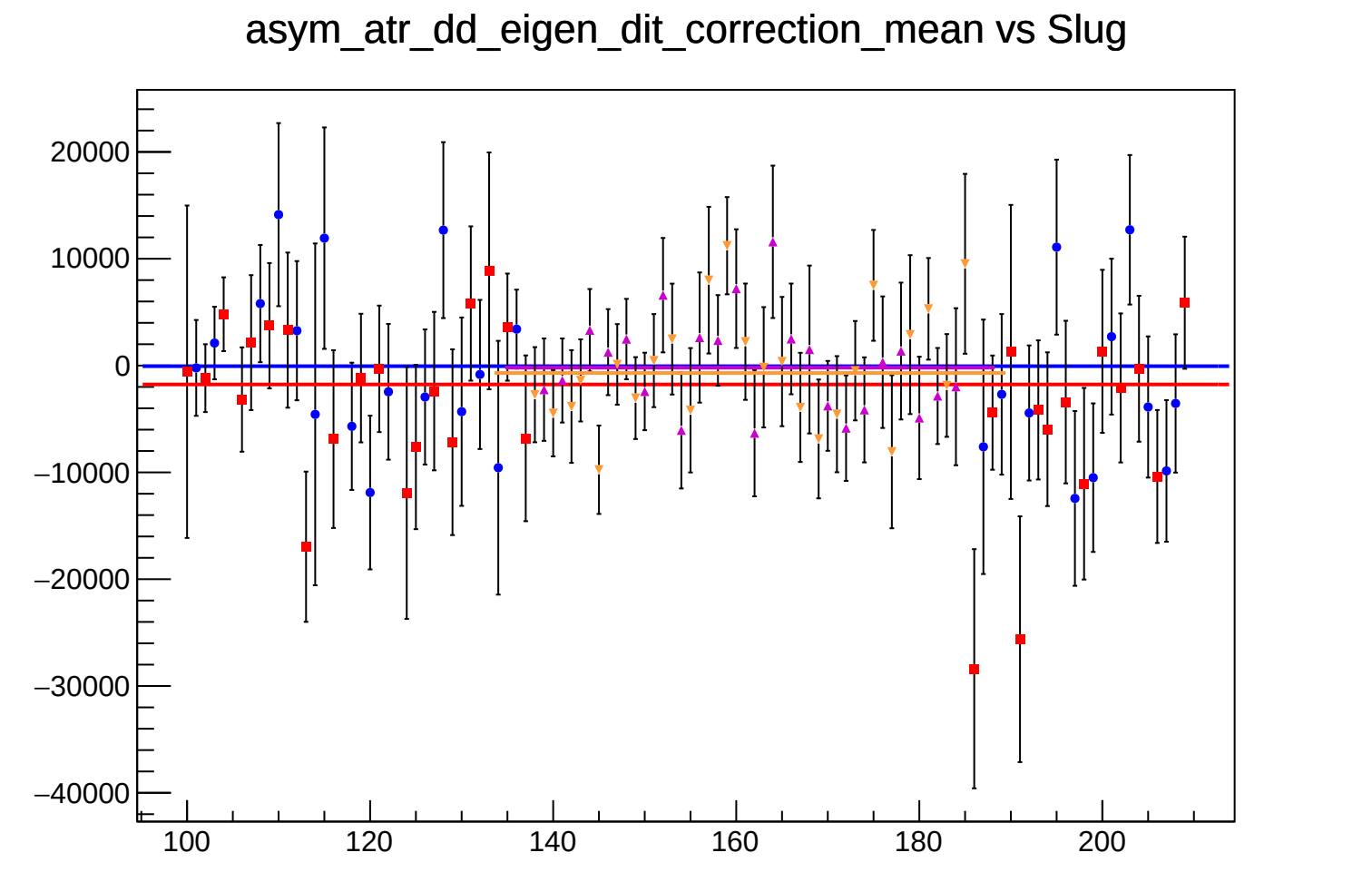
Right Out: 1939.668+/-0.336 χ^2/NDF: 405718.5/31

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1891.655+/-0.227 χ^2/NDF: 769993.5/51

All: 1893.319+/-0.160 χ^2/NDF: 1224718.7/10

- sign 1894.981+/-0.226 χ^2/NDF: 454617.5/54



Right In: -58.039+/-1235.748 χ^2/NDF: 27.8/26

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1768.437+/-1138.389 χ^2/NDF: 31.4/31

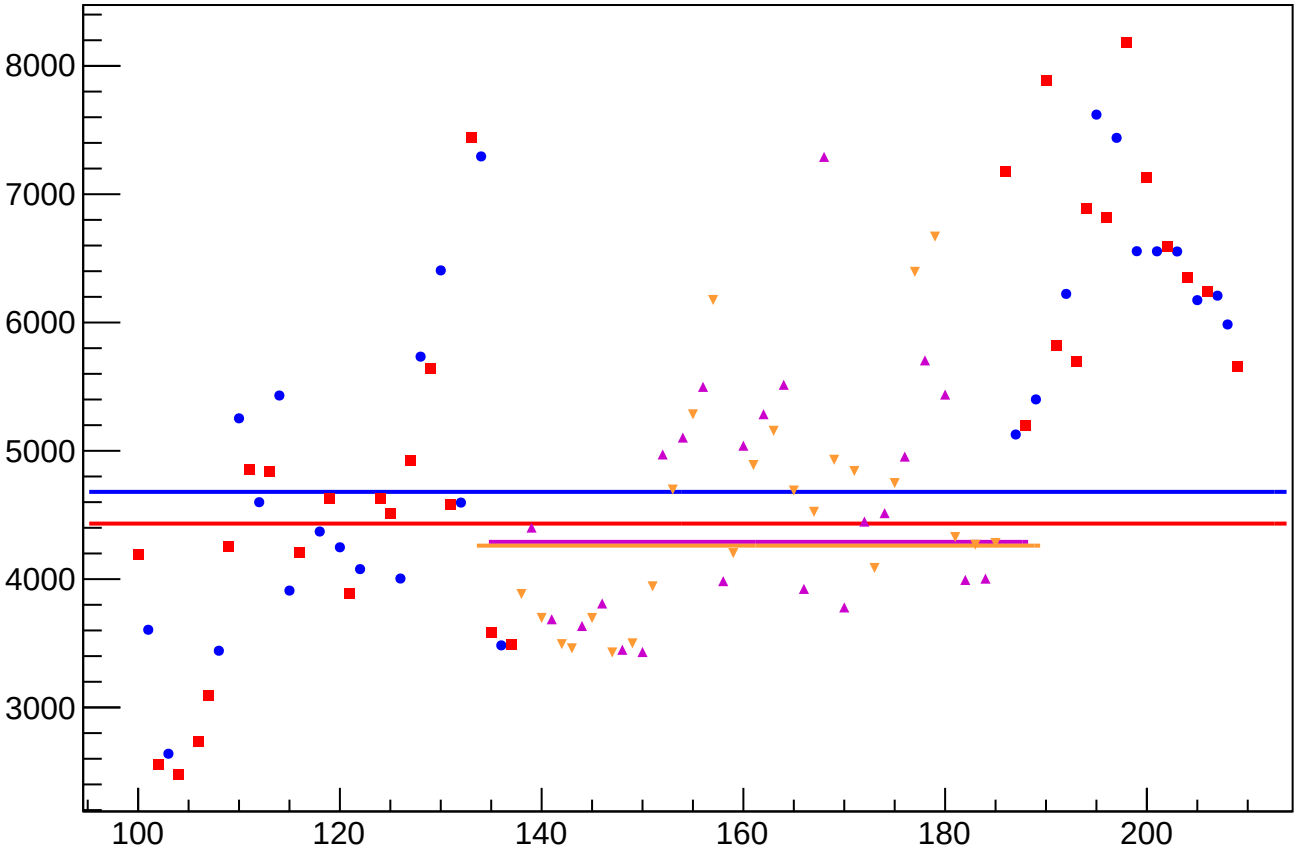
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -447.990+/-772.650 χ^2/NDF: 53.2/51

All: -675.573+/-542.067 χ^2/NDF: 101.1/106

- sign -896.164+/-760.687 χ^2/NDF: 47.7/54

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4680.176+/-0.874 χ^2/NDF: 2770458.1/26

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4432.911+/-0.805 χ^2/NDF: 4009946.7/31

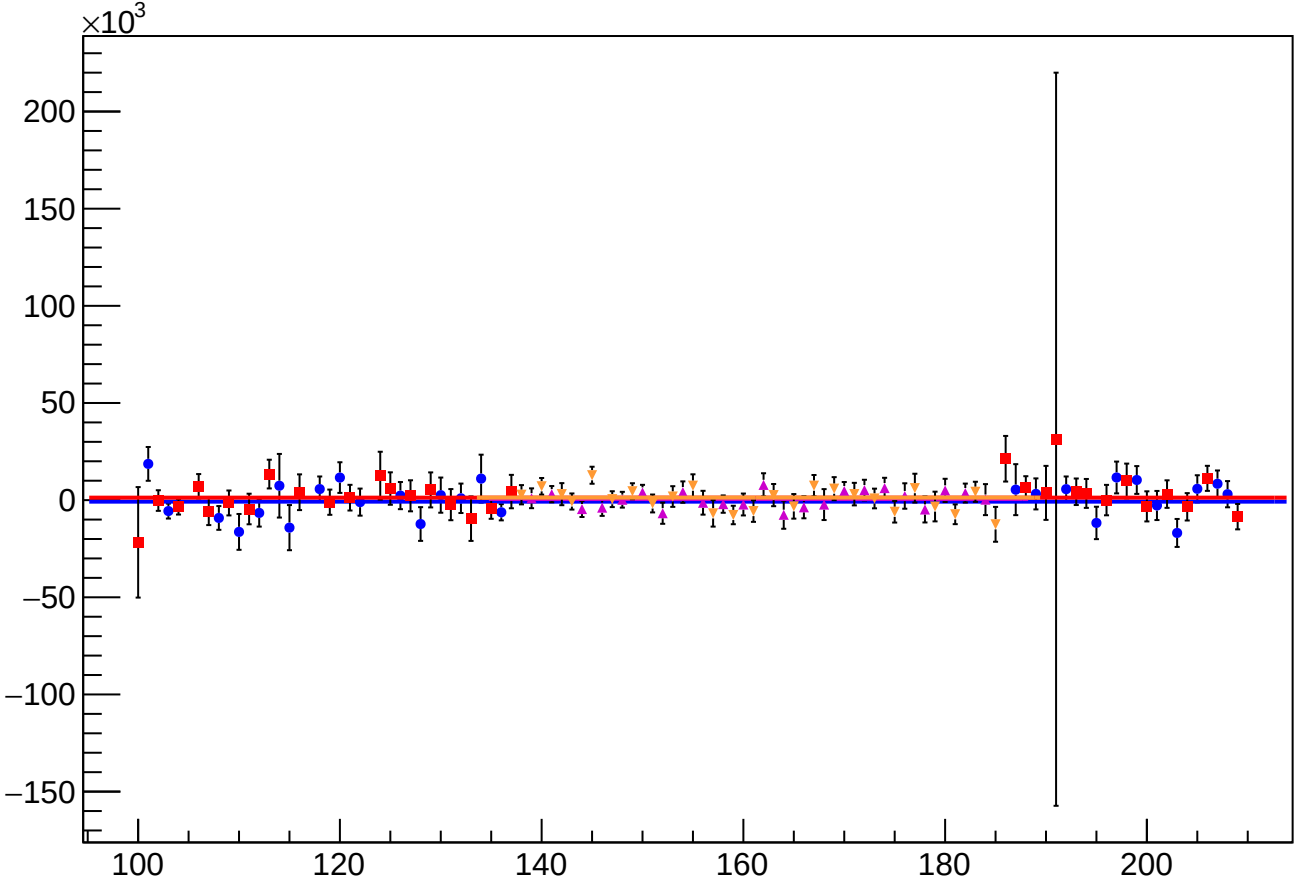
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4424.951+/-0.546 χ^2/NDF: 4101095.5/51

All: 4388.939+/-0.383 χ^2/NDF: 9350915.3/10

- sign 4354.035+/-0.538 χ^2/NDF: 5241264.3/54

asym_atr_dd_mean vs Slug



Right In: -772.844+/-1369.634 χ^2/NDF: 37.8/26

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1284.669+/-1296.087 χ^2/NDF: 21.6/31

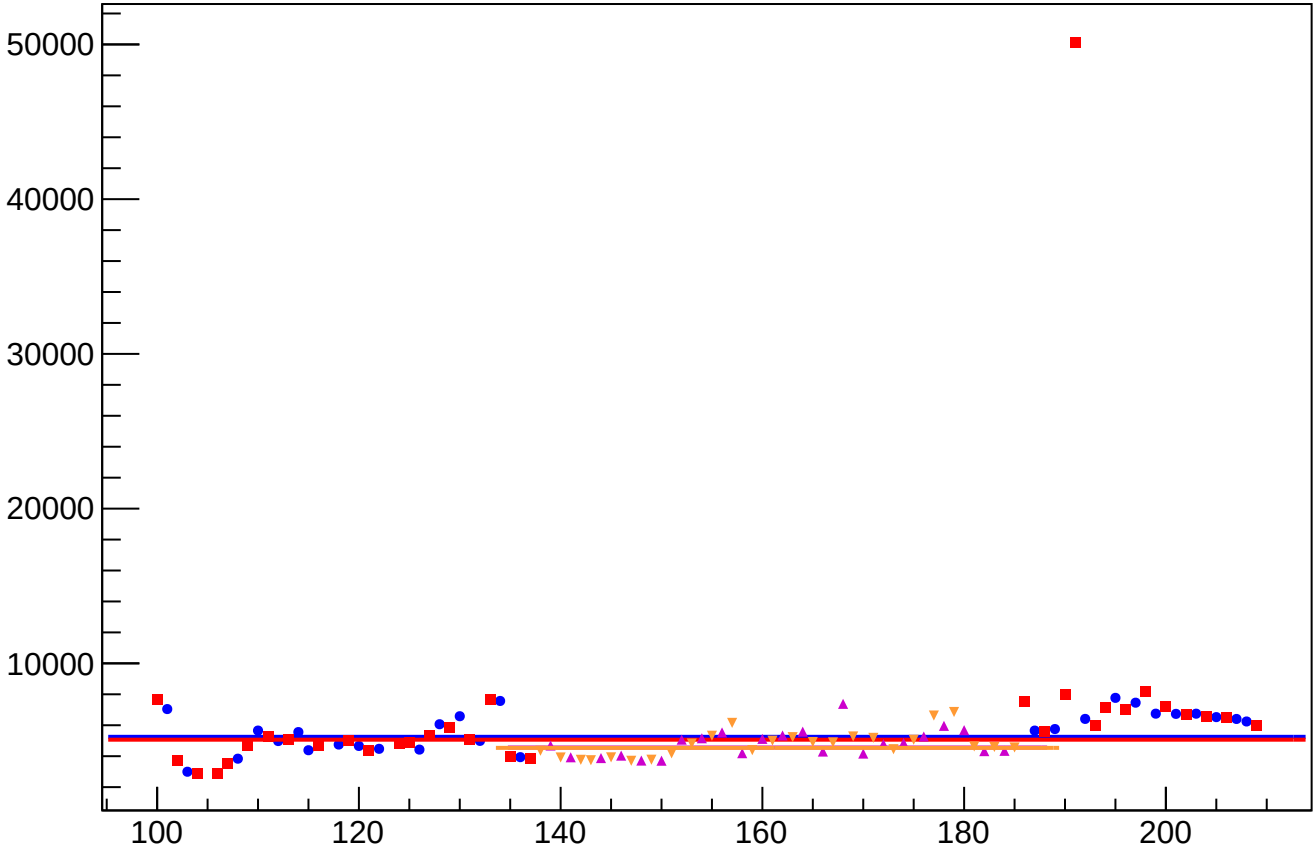
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 532.089+/-833.080 χ^2/NDF: 67.7/51

All: 700.206+/-588.221 χ^2/NDF: 104.0/106

- sign 867.351+/-830.665 χ^2/NDF: 36.2/54

asym_atr_dd_rms vs Slug



Right In: 5251.995+/-0.968 χ^2/NDF: 2122764.0/26

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

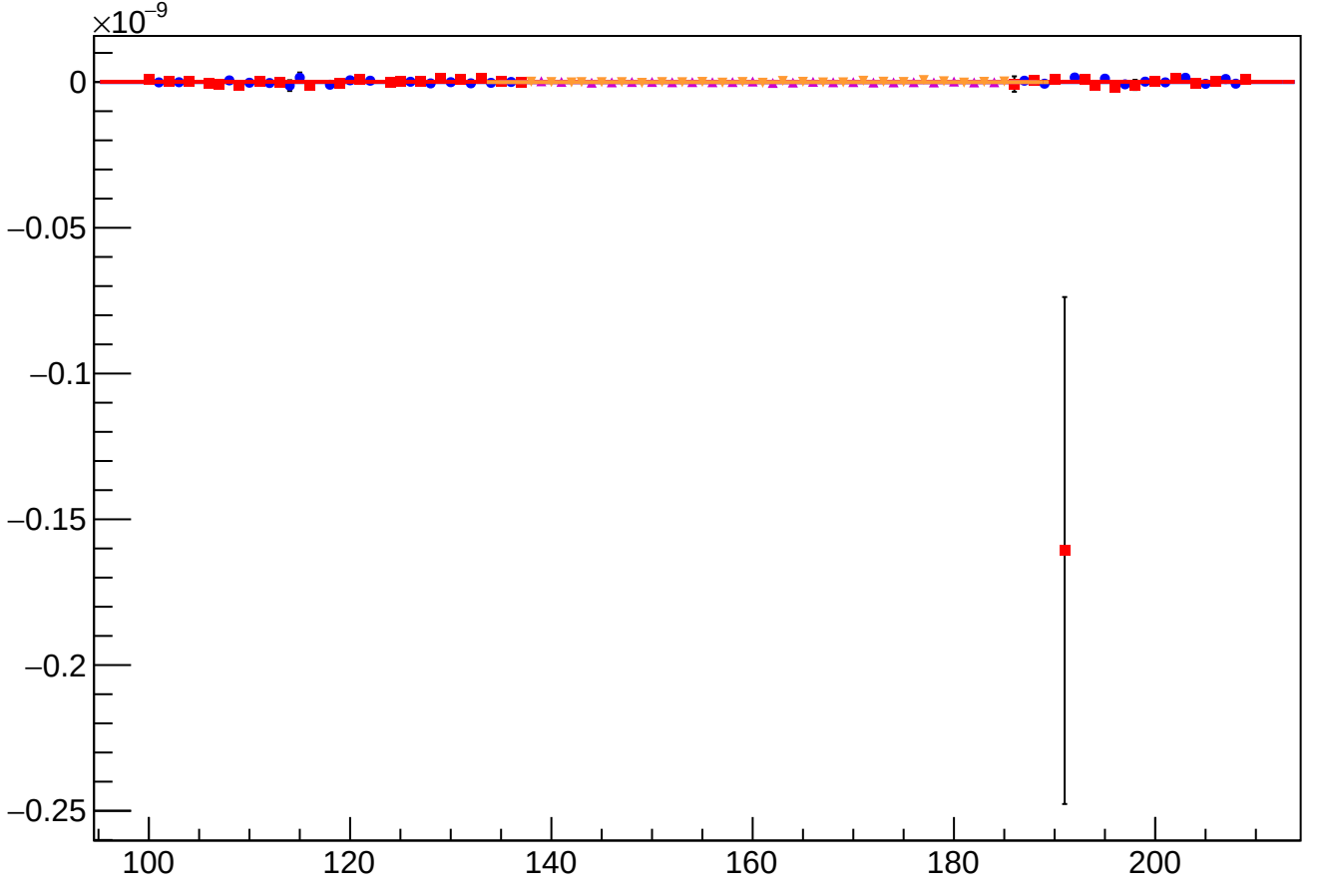
Right Out: 5066.129+/-0.912 χ^2/NDF: 2779439.4/31

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4802.114+/-0.589 χ^2/NDF: 3458163.7/51

All: 4785.713+/-0.415 χ^2/NDF: 7399810.3/10

- sign 4769.478+/-0.586 χ^2/NDF: 3940104.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

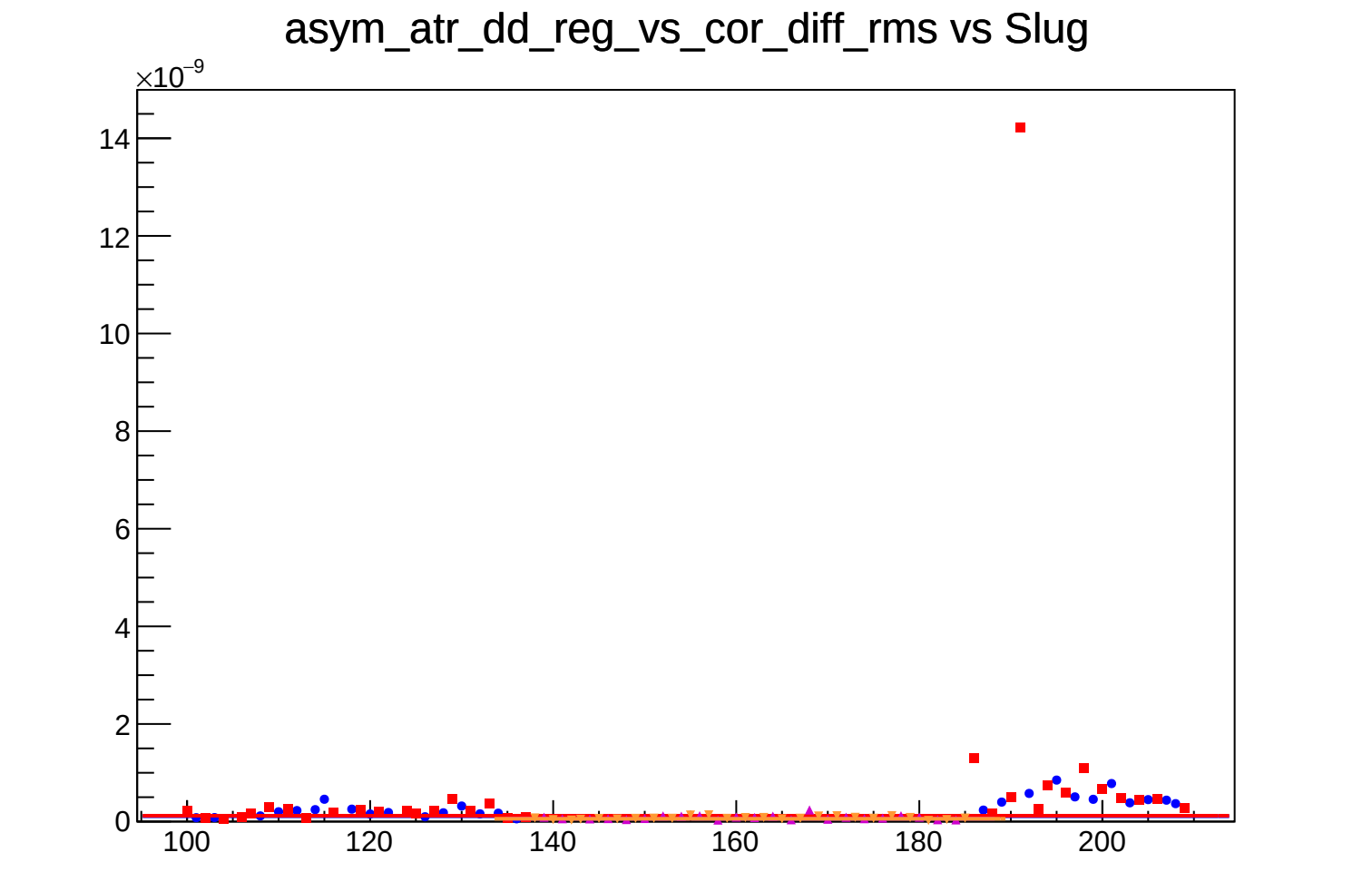
Right Out: 0.000+/-0.000 χ^2/NDF: 40.2/31

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/51

All: -0.000+/-0.000 χ^2/NDF: 126.6/106

- sign 0.000+/-0.000 χ^2/NDF: 63.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 5658196.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6362285.5/31

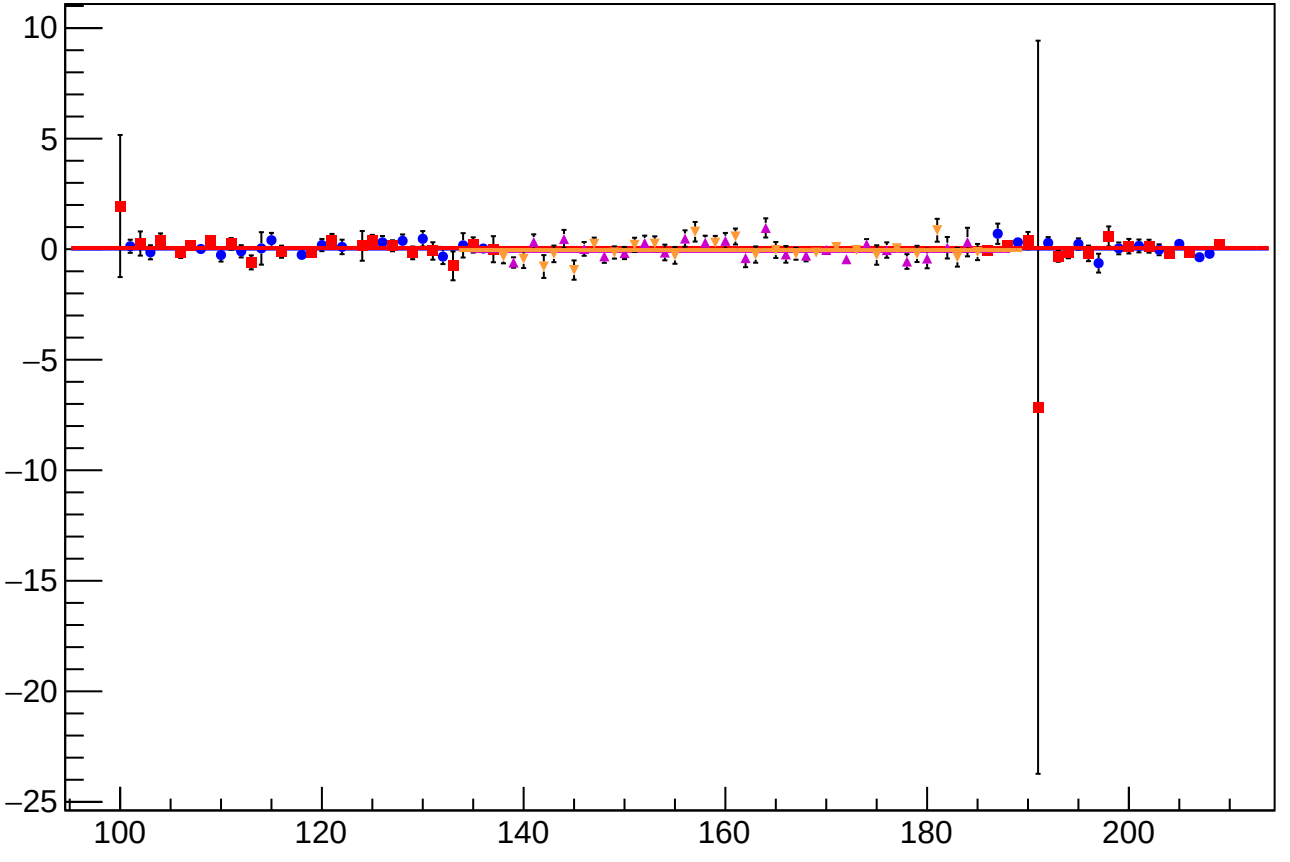
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8859738.8/51

All: 0.000+/-0.000 χ^2/NDF: 18906340.2/106

- sign 0.000+/-0.000 χ^2/NDF: 10040610.9/54

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.056+/-0.047 χ^2/NDF: 28.9/31

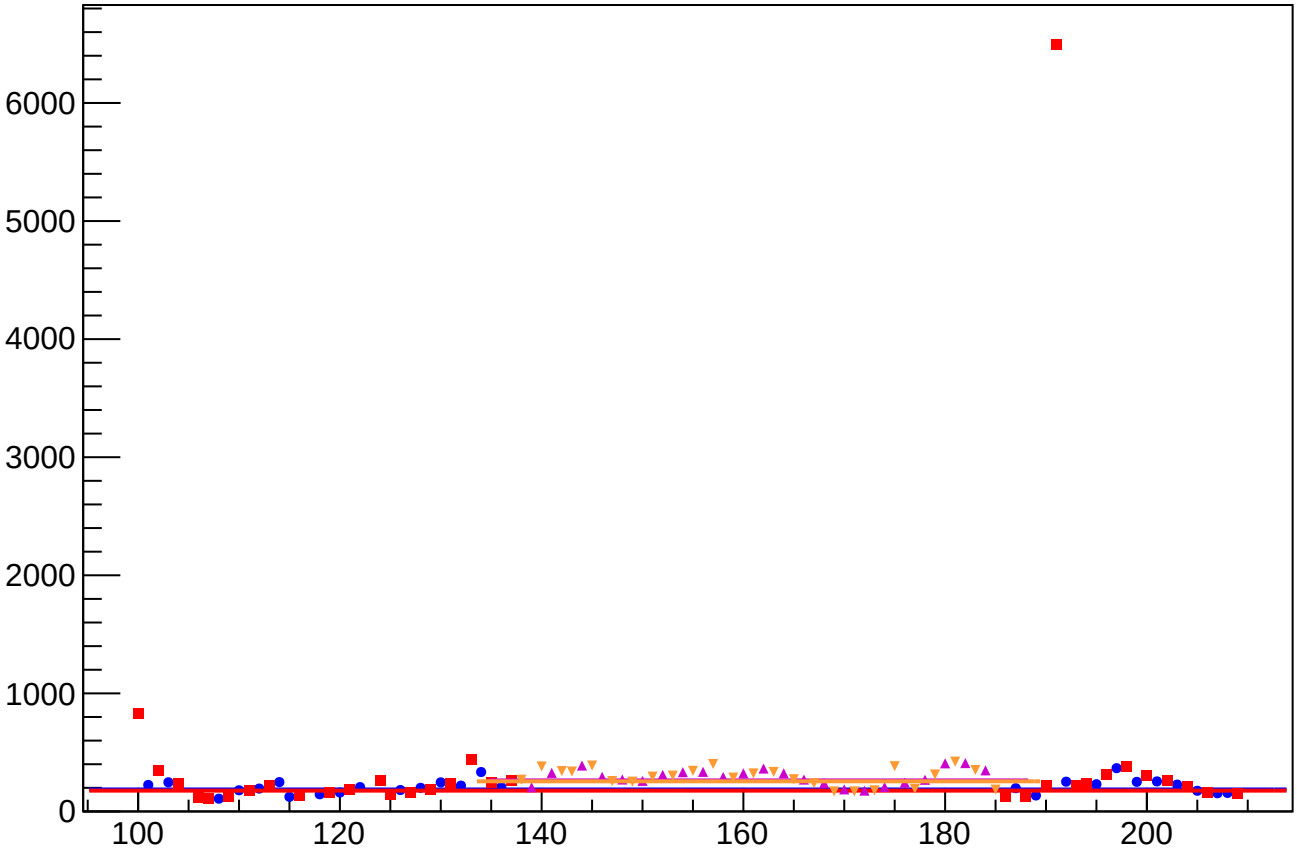
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.006+/-0.027 χ^2/NDF: 115.5/106

- sign 0.010+/-0.038 χ^2/NDF: 62.8/54

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.386+/-0.033 χ^2/NDF: 3584203.1/31

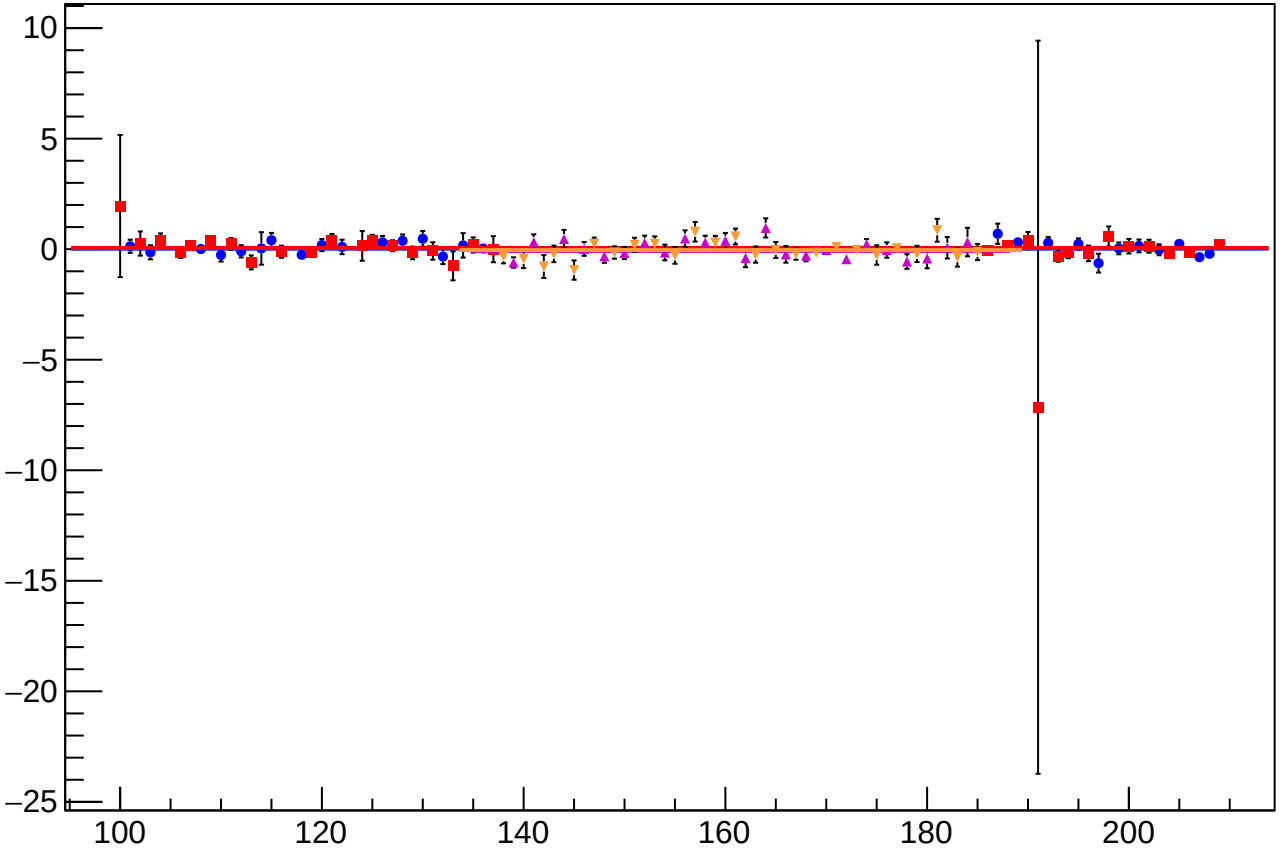
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493149.5/51

All: 209.478+/-0.019 χ^2/NDF: 14477520.1/10

- sign 205.845+/-0.027 χ^2/NDF: 7946759.8/54

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.056+/-0.047 χ^2/NDF: 28.9/31

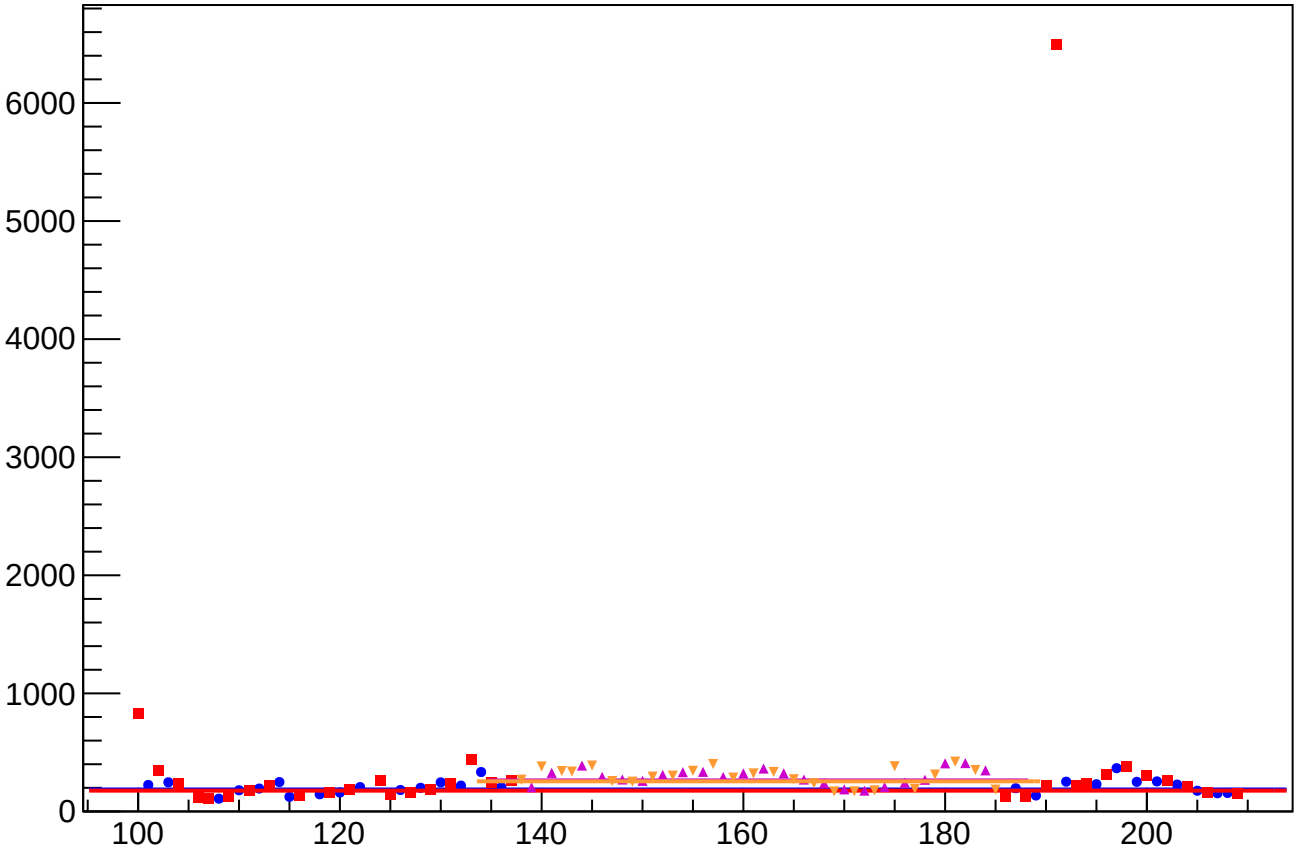
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.006+/-0.027 χ^2/NDF: 115.5/106

- sign 0.010+/-0.038 χ^2/NDF: 62.8/54

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.386+/-0.033 χ^2/NDF: 3584203.1/31

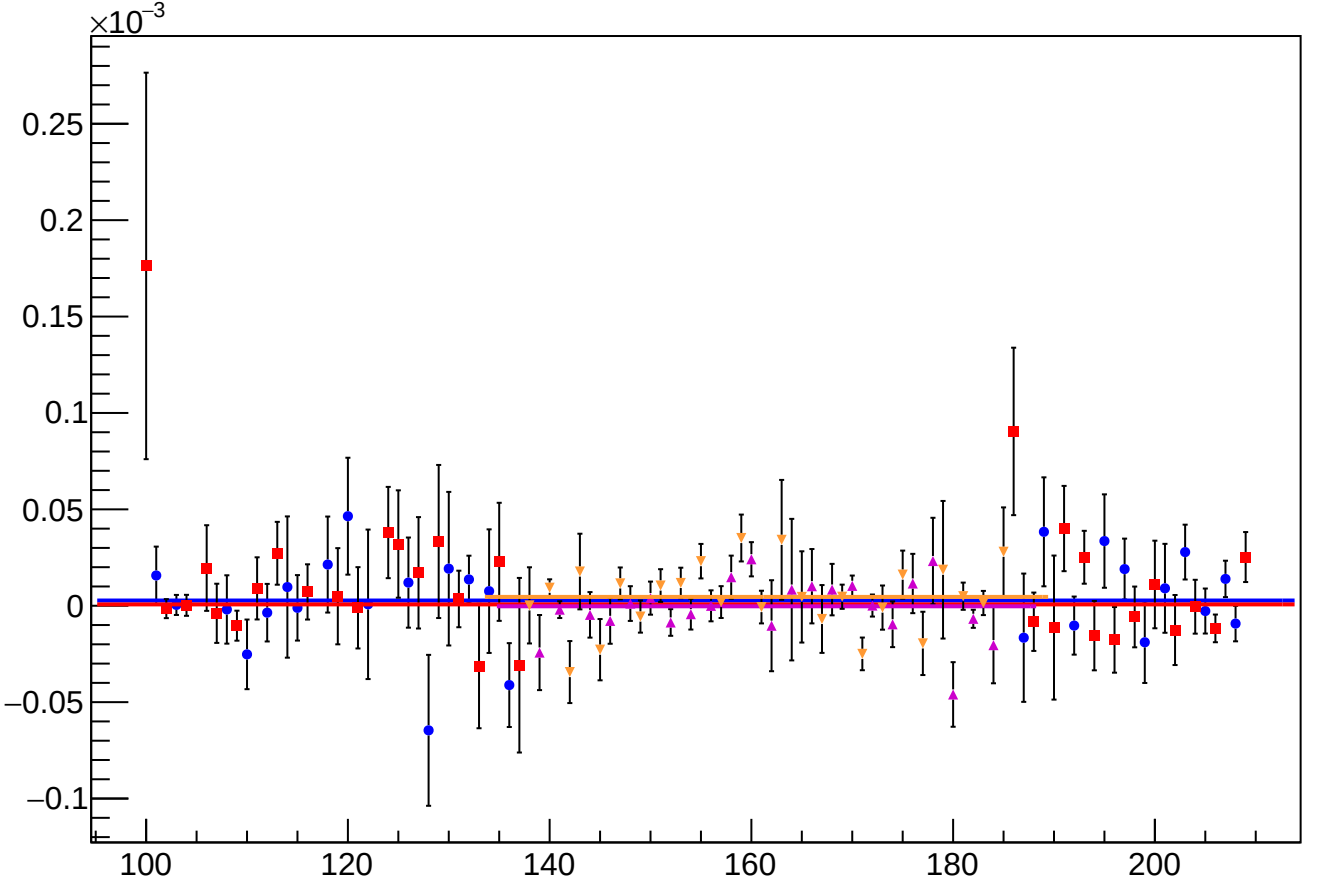
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493149.5/51

All: 209.478+/-0.019 χ^2/NDF: 14477520.1/10

- sign 205.845+/-0.027 χ^2/NDF: 7946759.8/54

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/31

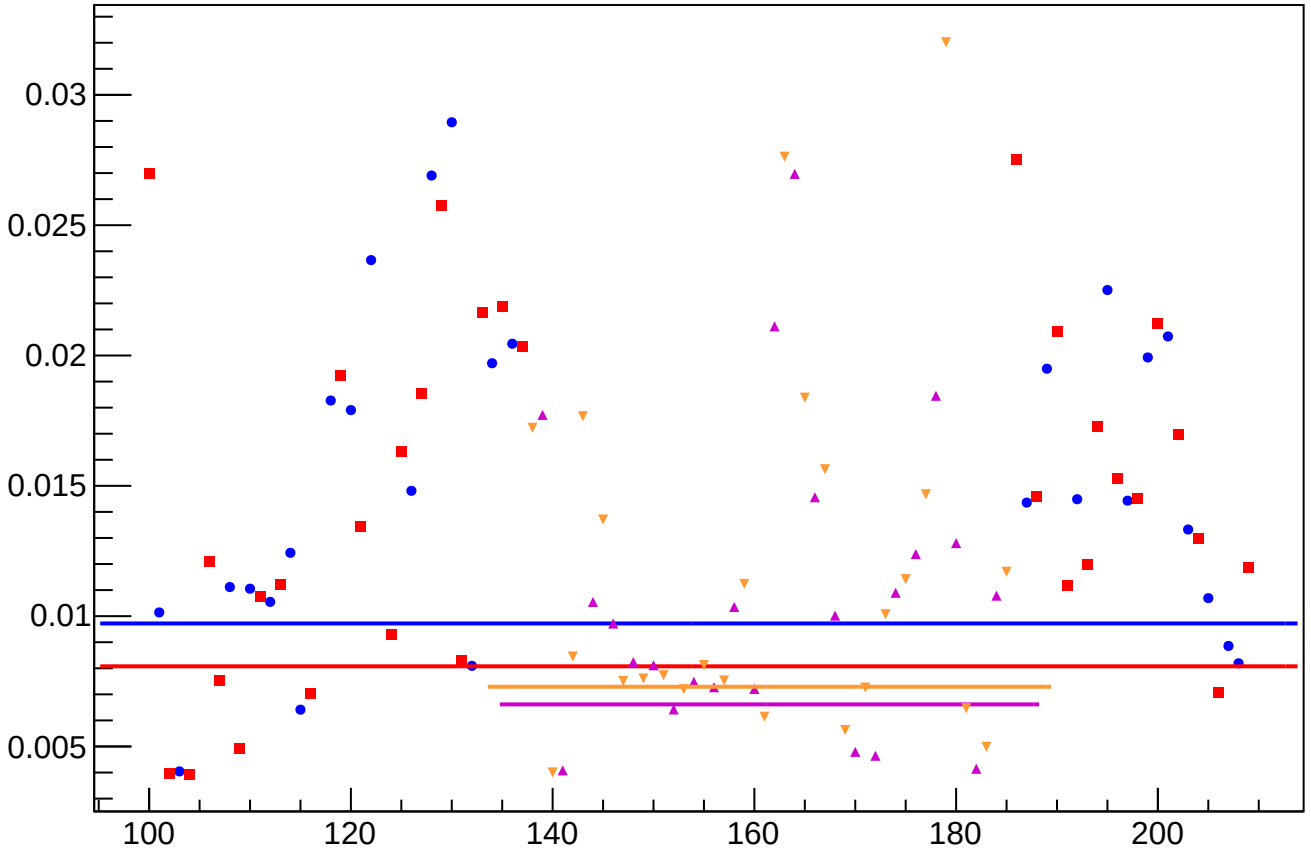
Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/51

All: 0.000+/-0.000 χ^2/NDF: 142.5/106

- sign 0.000+/-0.000 χ^2/NDF: 67.9/54

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7154776.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9467929.1/31

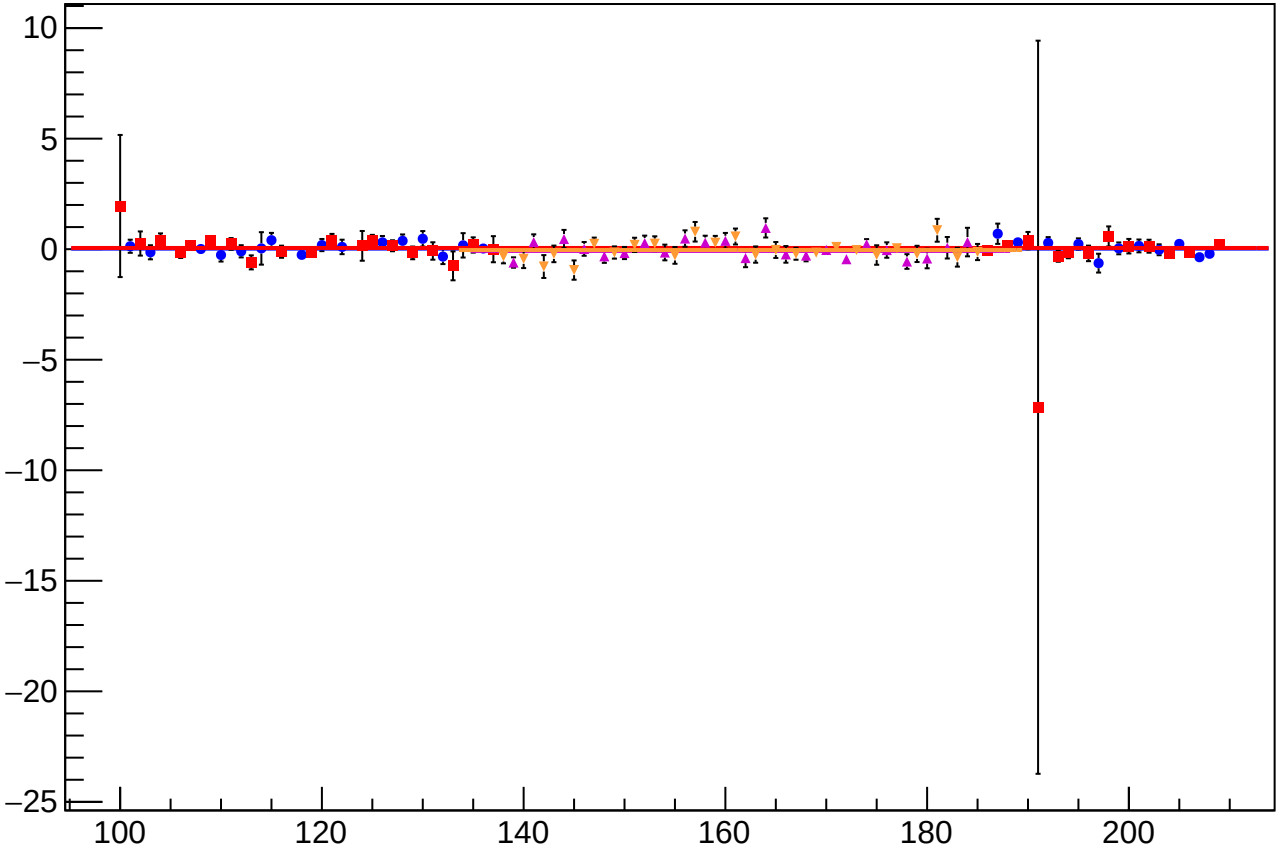
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 14945869.4/51

All: 0.008+/-0.000 χ^2/NDF: 31657598.7/106

- sign 0.007+/-0.000 χ^2/NDF: 16373022.1/54

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.056+/-0.047 χ^2/NDF: 28.9/31

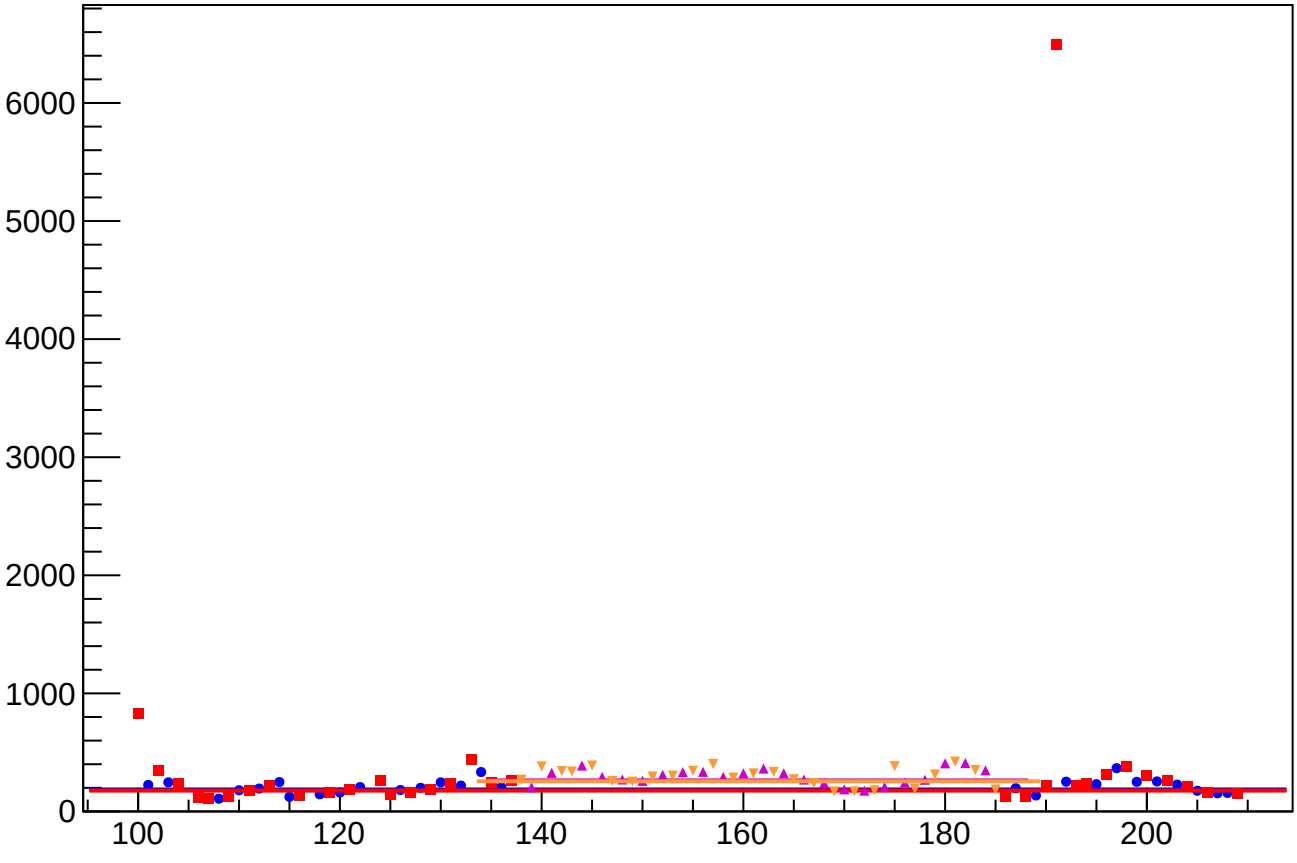
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.006+/-0.027 χ^2/NDF: 115.5/106

- sign 0.010+/-0.038 χ^2/NDF: 62.8/54

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

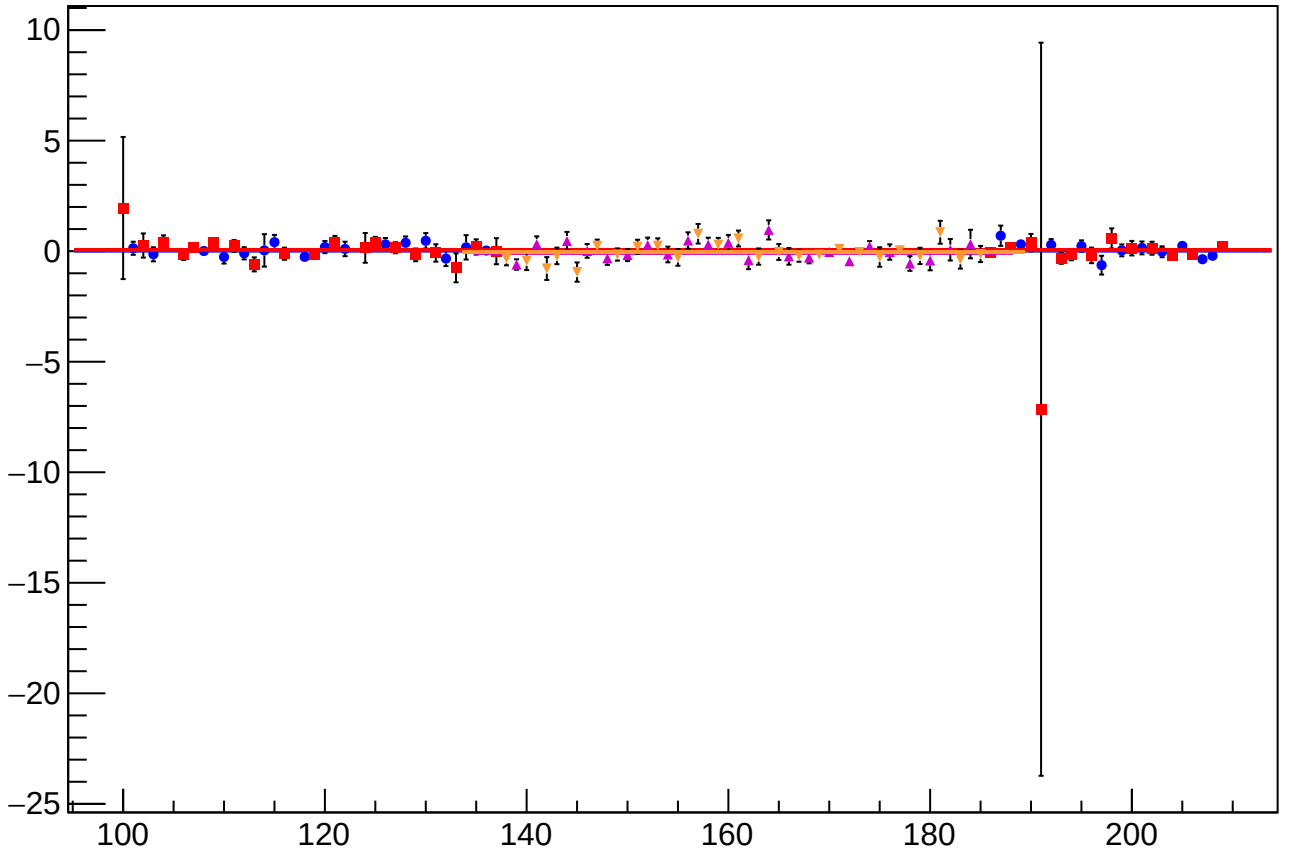
Right Out: 176.387+/-0.033 χ^2/NDF: 3584169.4/31

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493313.5/51

All: 209.479+/-0.019 χ^2/NDF: 14477703.3/10

- sign 205.847+/-0.027 χ^2/NDF: 7946789.6/54



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

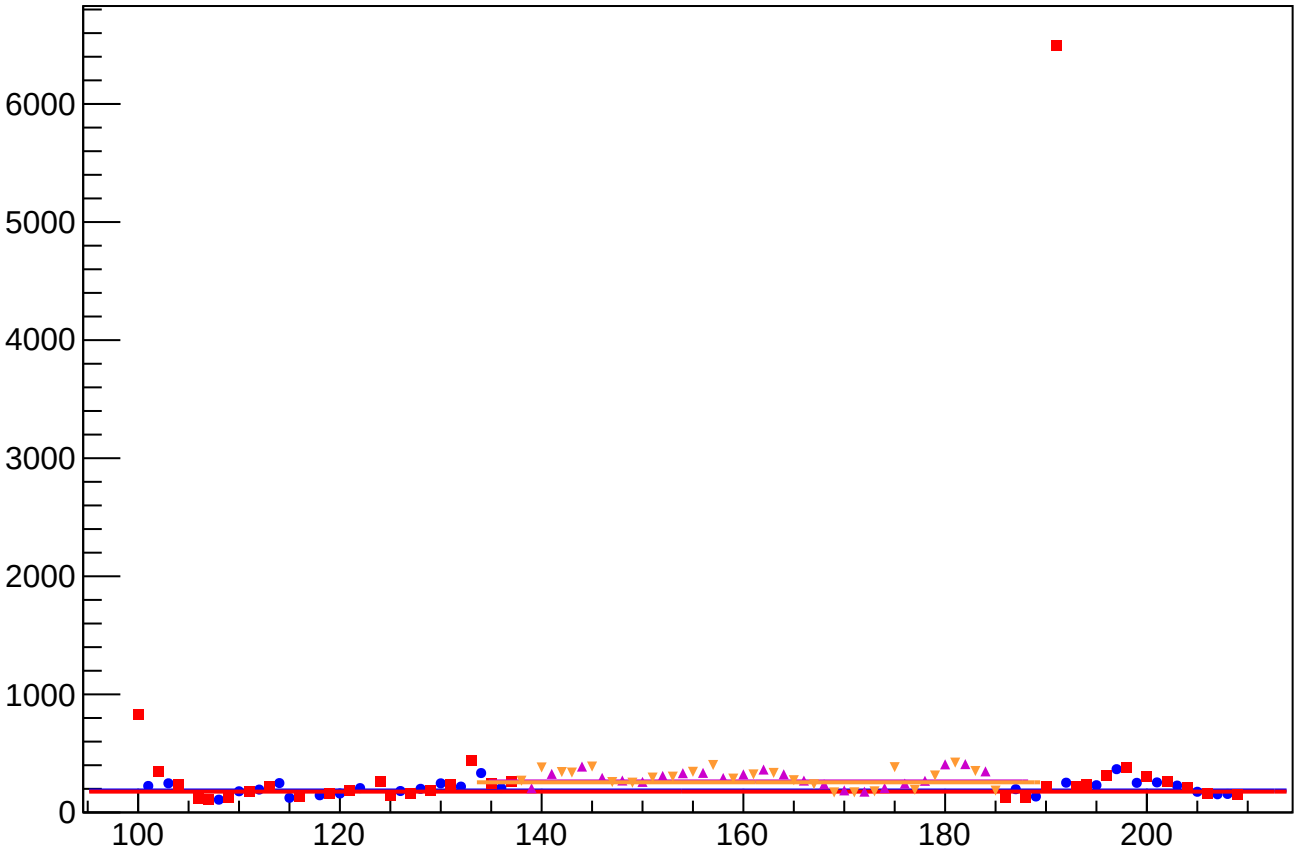
Right Out: 0.056+/-0.047 χ^2/NDF: 28.9/31

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.039 χ^2/NDF: 52.7/51

All: 0.006+/-0.027 χ^2/NDF: 115.5/106

- sign 0.010+/-0.038 χ^2/NDF: 62.8/54



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

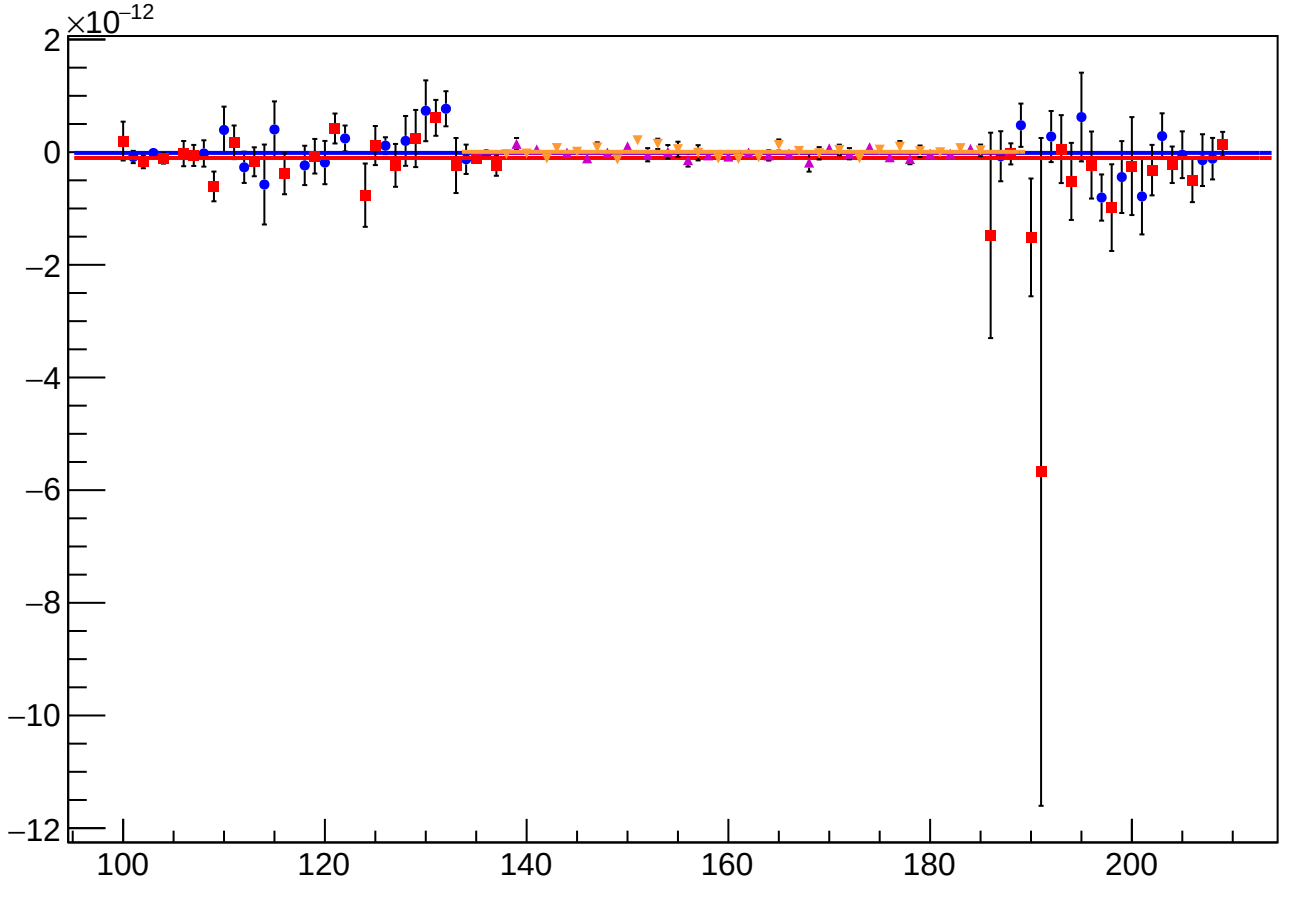
Right Out: 176.387+/-0.033 χ^2/NDF: 3584169.4/31

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 213.277+/-0.027 χ^2/NDF: 6493313.5/51

All: 209.479+/-0.019 χ^2/NDF: 14477703.3/10

- sign 205.847+/-0.027 χ^2/NDF: 7946789.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

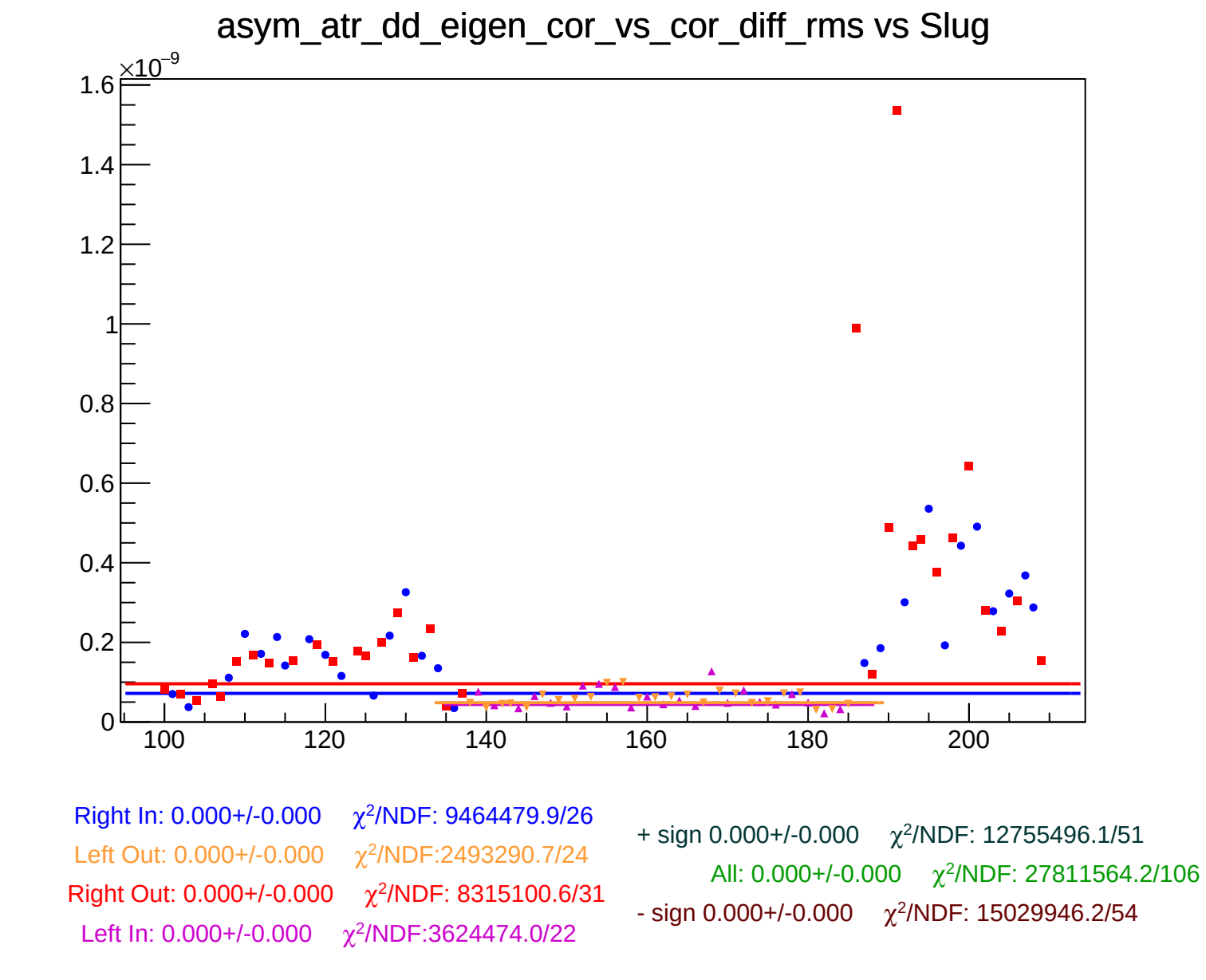
Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/31

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

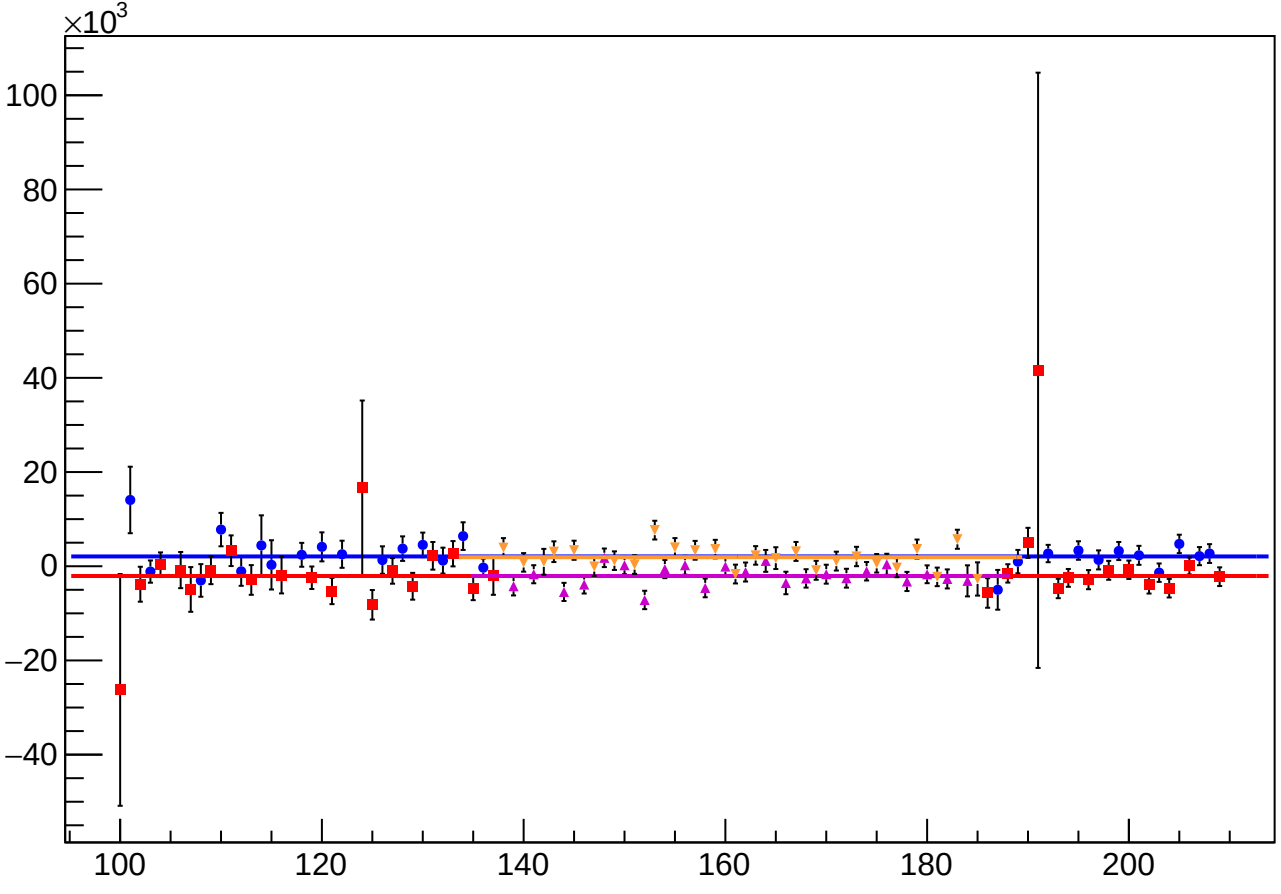
+ sign 0.000+/-0.000 χ^2/NDF: 54.7/51

All: -0.000+/-0.000 χ^2/NDF: 109.0/106

- sign -0.000+/-0.000 χ^2/NDF: 52.8/54


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 9464479.9/26
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8315100.6/31
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 12755496.1/51
All: 0.000+/-0.000 χ²/NDF: 27811564.2/106
- sign 0.000+/-0.000 χ²/NDF: 15029946.2/54

reg_asym_at1_avg_mean vs Slug



Right In: 2082.664+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2072.428+/-463.188 χ^2/NDF: 32.0/31

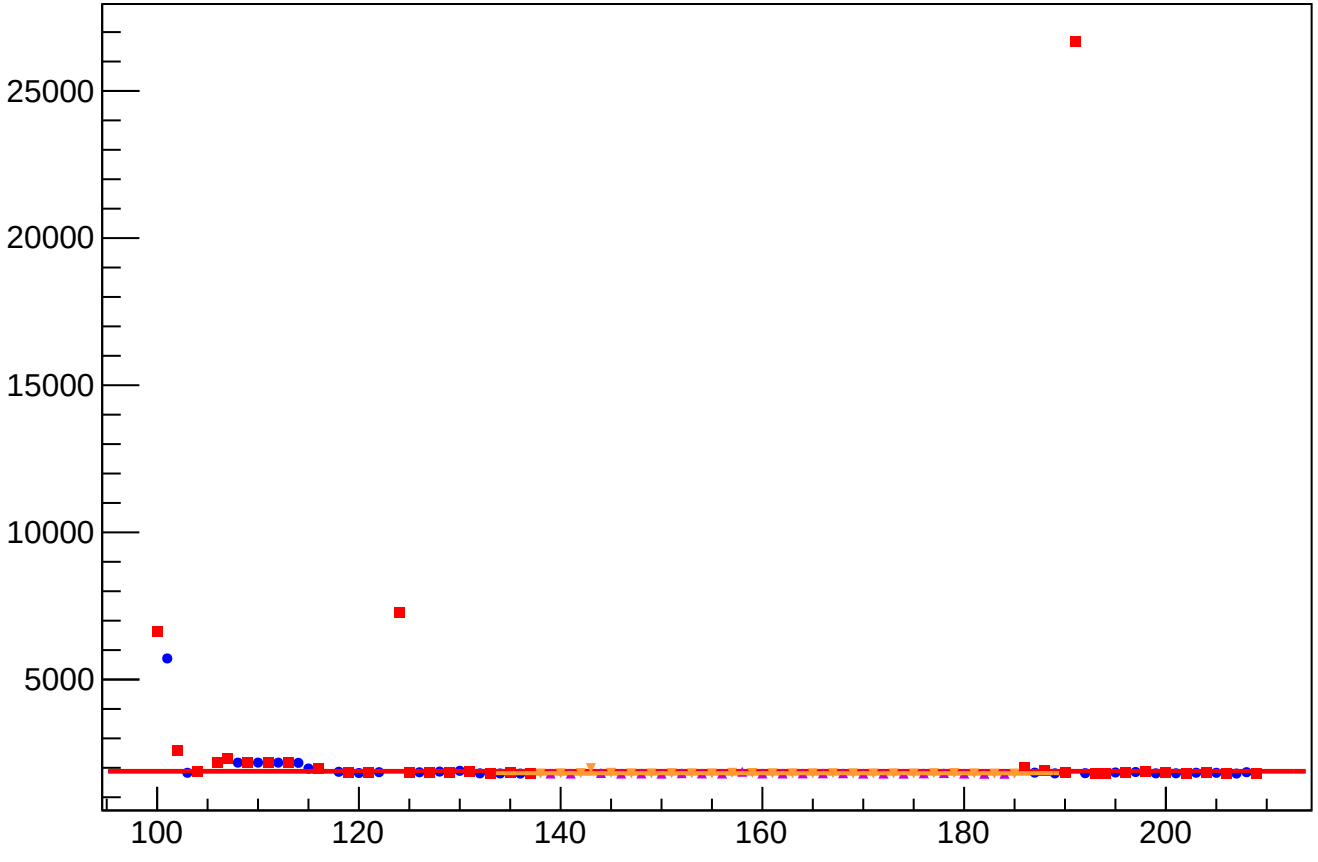
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1990.274+/-311.788 χ^2/NDF: 58.1/51

All: -37.376+/-220.695 χ^2/NDF: 201.4/106

- sign -2073.397+/-312.431 χ^2/NDF: 58.5/54

reg_asym_at1_avg_rms vs Slug



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.9/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1894.328+/-0.328 χ^2/NDF: 737501.3/31

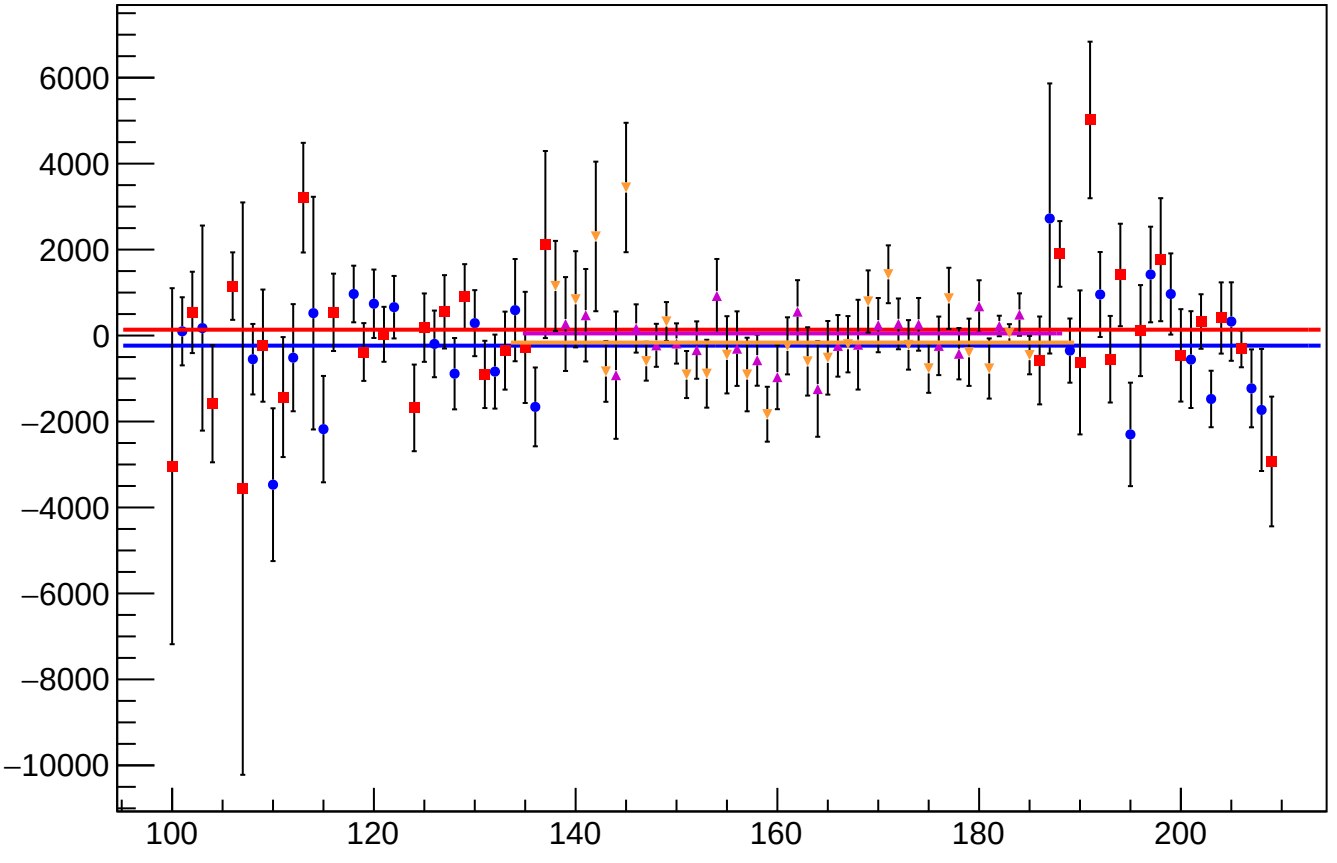
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1841.444+/-0.220 χ^2/NDF: 694134.7/51

All: 1845.591+/-0.156 χ^2/NDF: 1468340.3/10

- sign 1849.755+/-0.221 χ^2/NDF: 773496.6/54

asym_at1_avg_reg_correction_mean vs Slug



Right In: -234.443+/-181.407 χ^2/NDF: 32.5/26

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 136.443+/-163.545 χ^2/NDF: 41.6/31

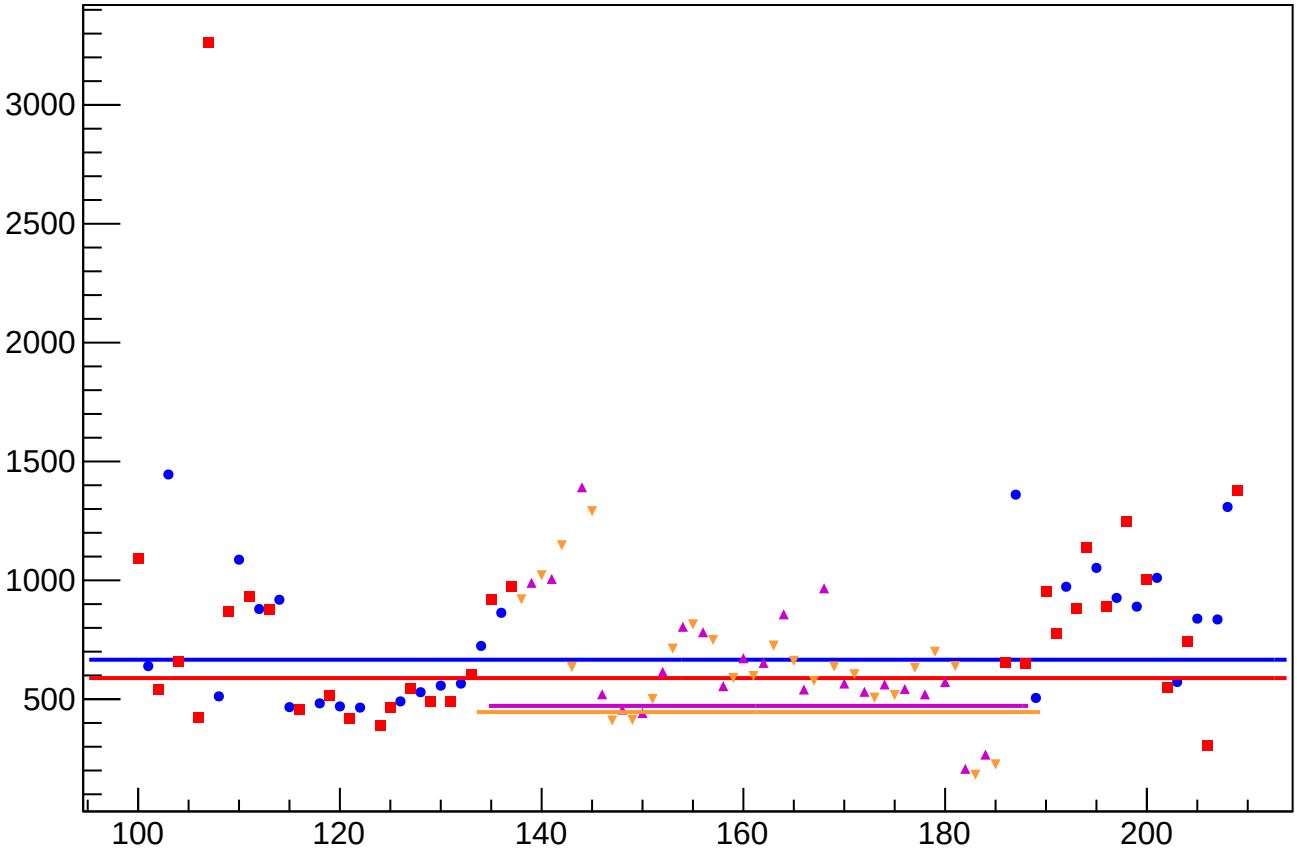
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -183.552+/-97.306 χ^2/NDF: 69.5/51

All: -52.571+/-69.100 χ^2/NDF: 126.3/106

- sign 80.676+/-98.144 χ^2/NDF: 53.2/54

asym_at1_avg_reg_correction_rms vs Slug



Right In: 666.054+/-0.128 χ^2/NDF: 2867127.8/26

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 588.798+/-0.116 χ^2/NDF: 4466559.0/31

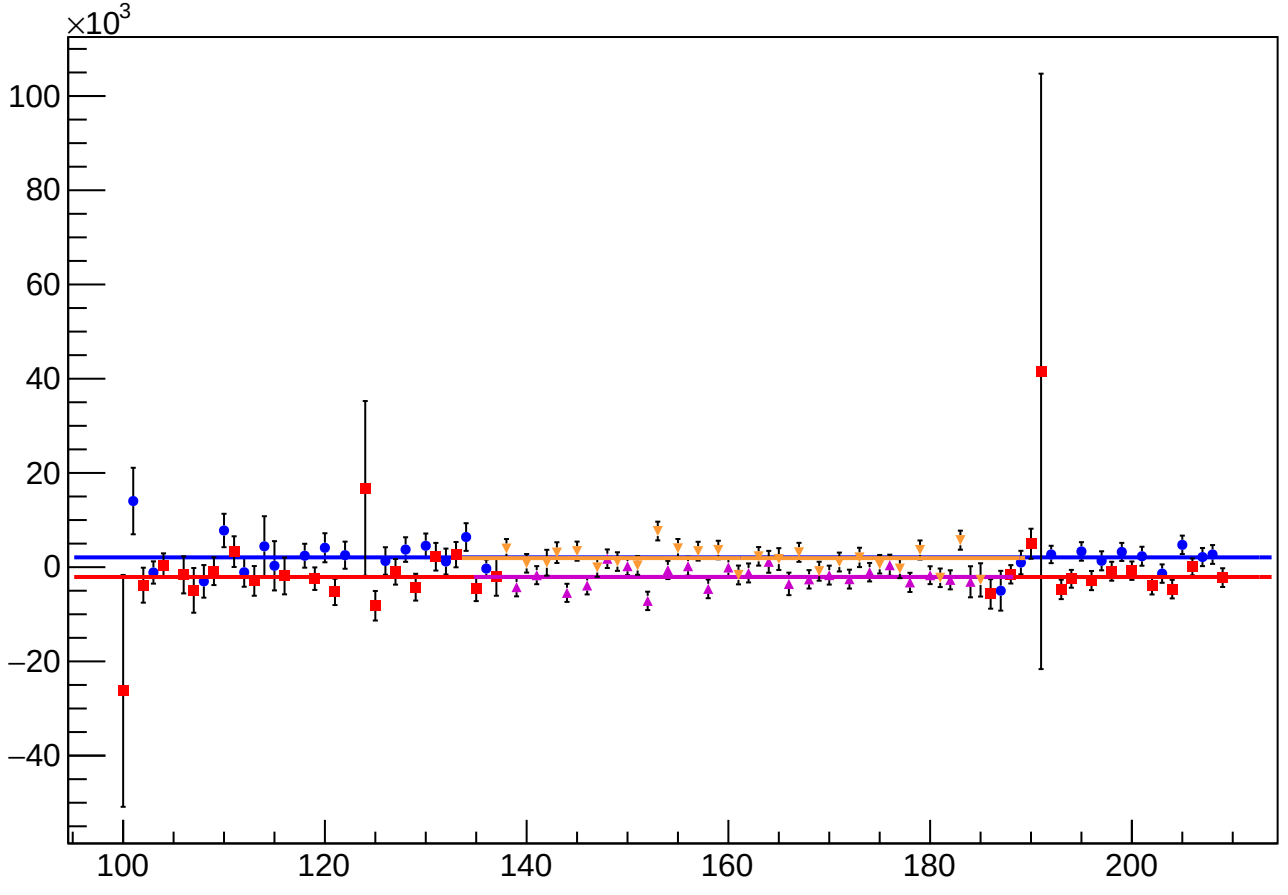
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 509.237+/-0.069 χ^2/NDF: 12947828.9/51

All: 511.548+/-0.049 χ^2/NDF: 24486126.1/10

- sign 513.899+/-0.069 χ^2/NDF: 11536022.2/54

cor_asym_at1_avg_mean vs Slug



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2084.796+/-463.350 χ^2/NDF: 31.9/31

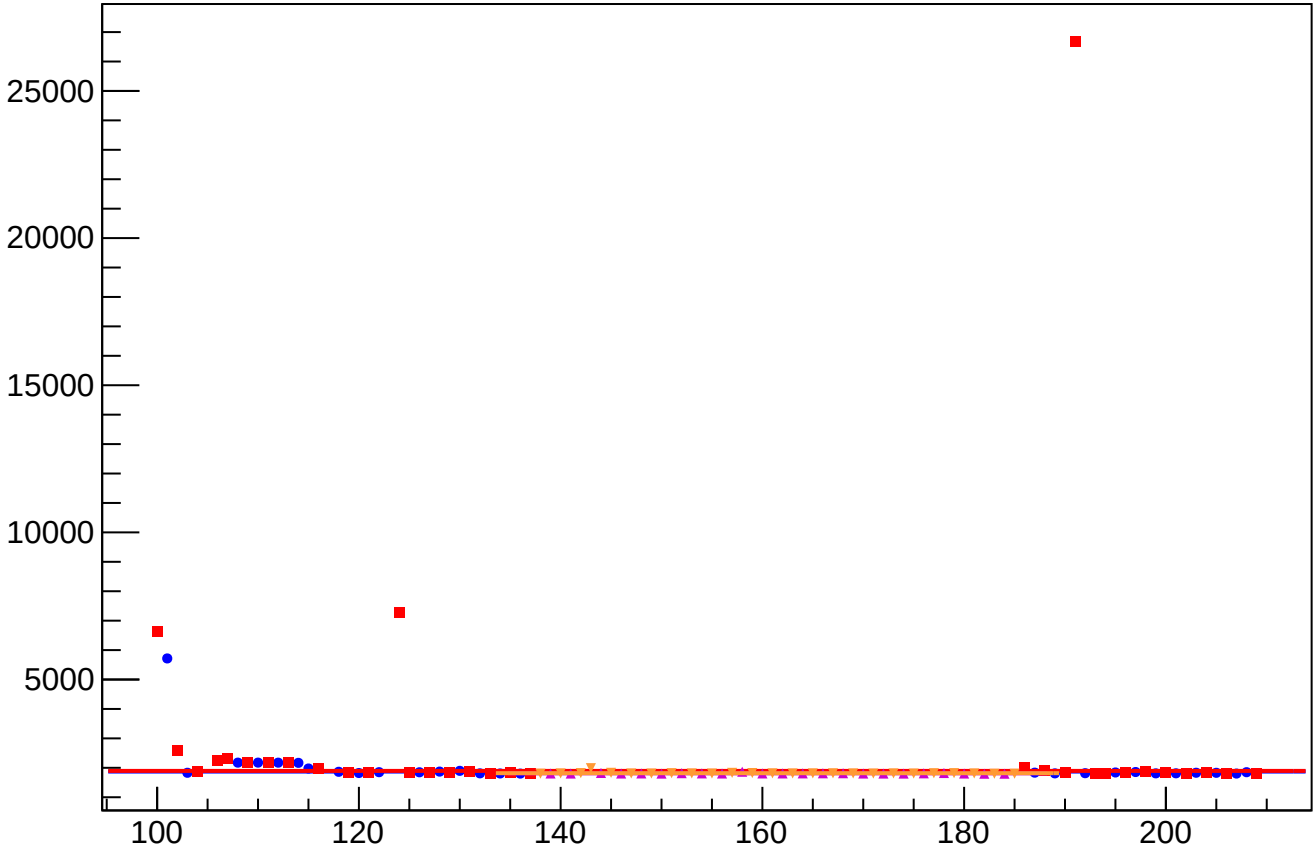
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1990.221+/-311.788 χ^2/NDF: 58.1/51

All: -39.915+/-220.712 χ^2/NDF: 201.5/106

- sign -2079.077+/-312.481 χ^2/NDF: 58.4/54

cor_asym_at1_avg_rms vs Slug



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1894.824+/-0.328 χ^2/NDF: 741164.6/31

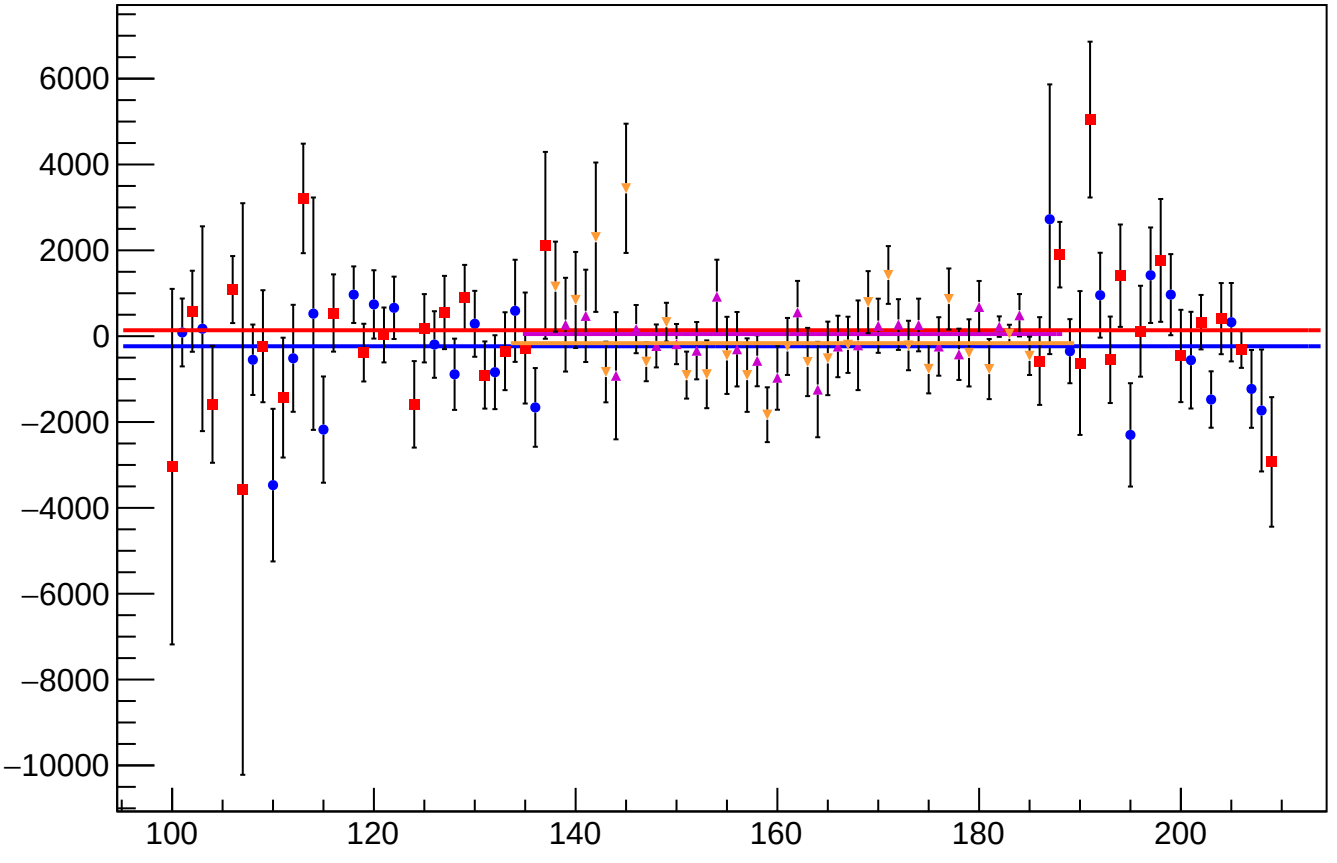
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1841.444+/-0.220 χ^2/NDF: 694134.7/51

All: 1845.696+/-0.156 χ^2/NDF: 1472440.4/10

- sign 1849.966+/-0.221 χ^2/NDF: 777560.3/54

asym_at1_avg_cor_correction_mean vs Slug



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 138.285+/-163.483 χ^2/NDF: 41.3/31

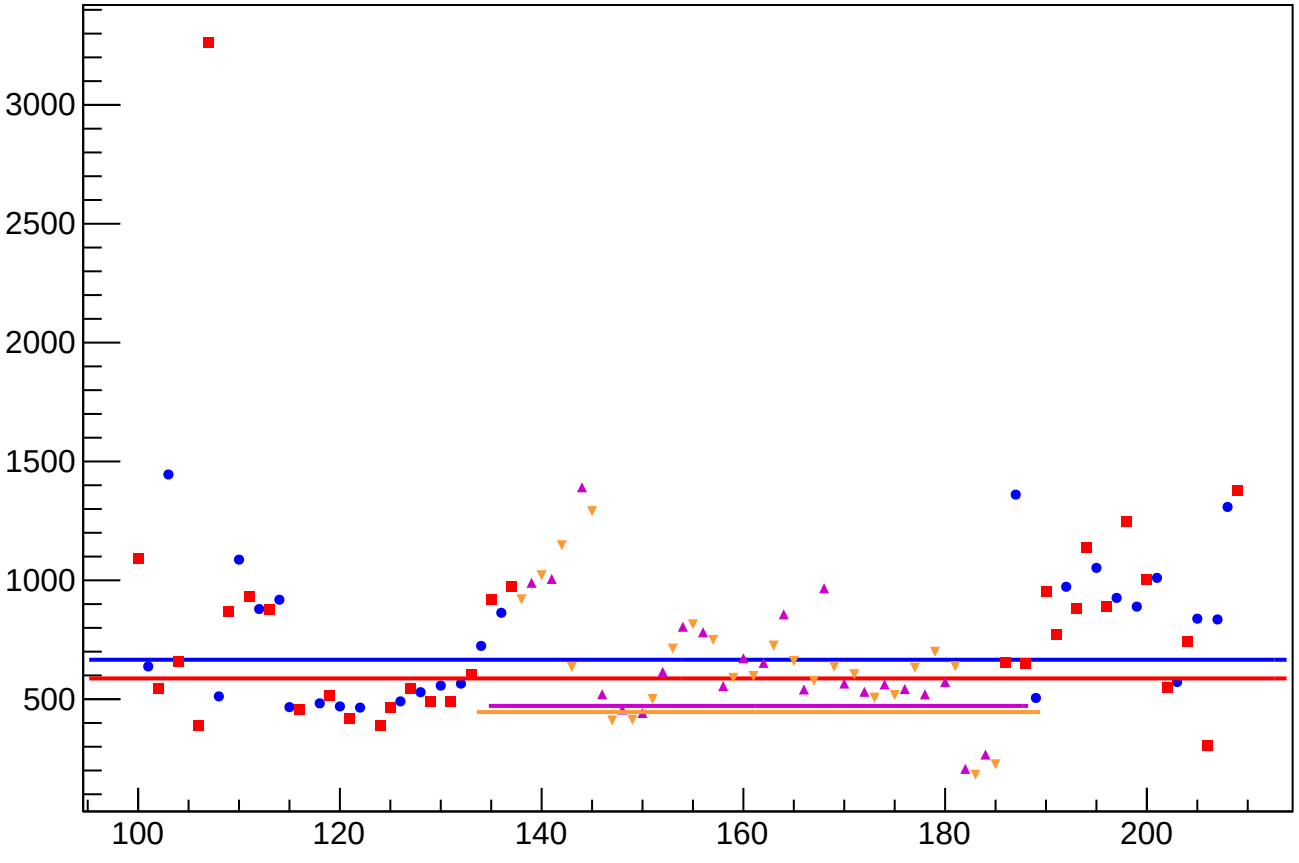
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -183.627+/-97.300 χ^2/NDF: 69.5/51

All: -52.258+/-69.093 χ^2/NDF: 126.0/106

- sign 81.368+/-98.131 χ^2/NDF: 52.8/54

asym_at1_avg_cor_correction_rms vs Slug



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 587.334+/-0.116 χ^2/NDF: 4507284.7/31

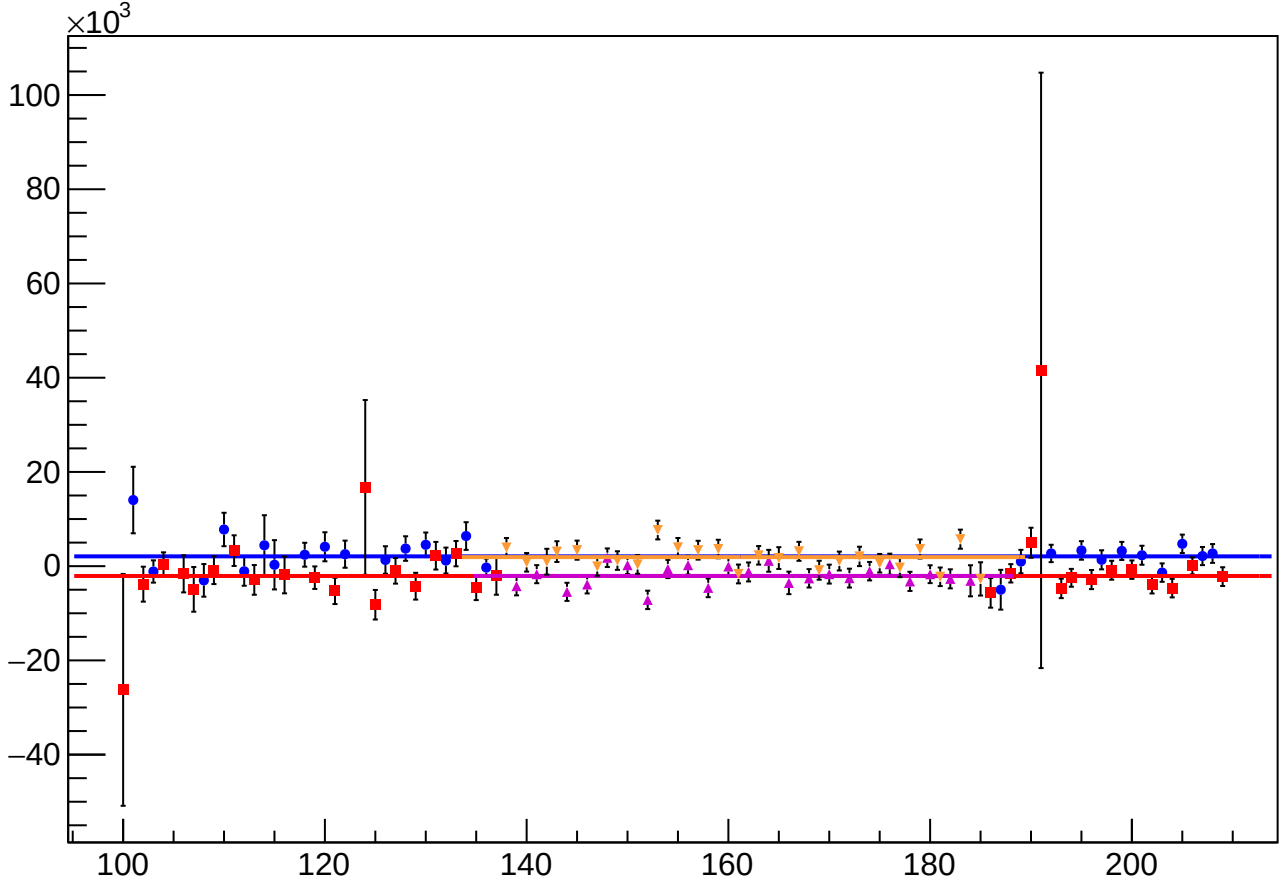
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 509.205+/-0.069 χ^2/NDF: 12948989.2/51

All: 511.285+/-0.049 χ^2/NDF: 24511244.3/10

- sign 513.400+/-0.069 χ^2/NDF: 11560412.0/54

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2084.796+/-463.350 χ^2/NDF: 31.9/31

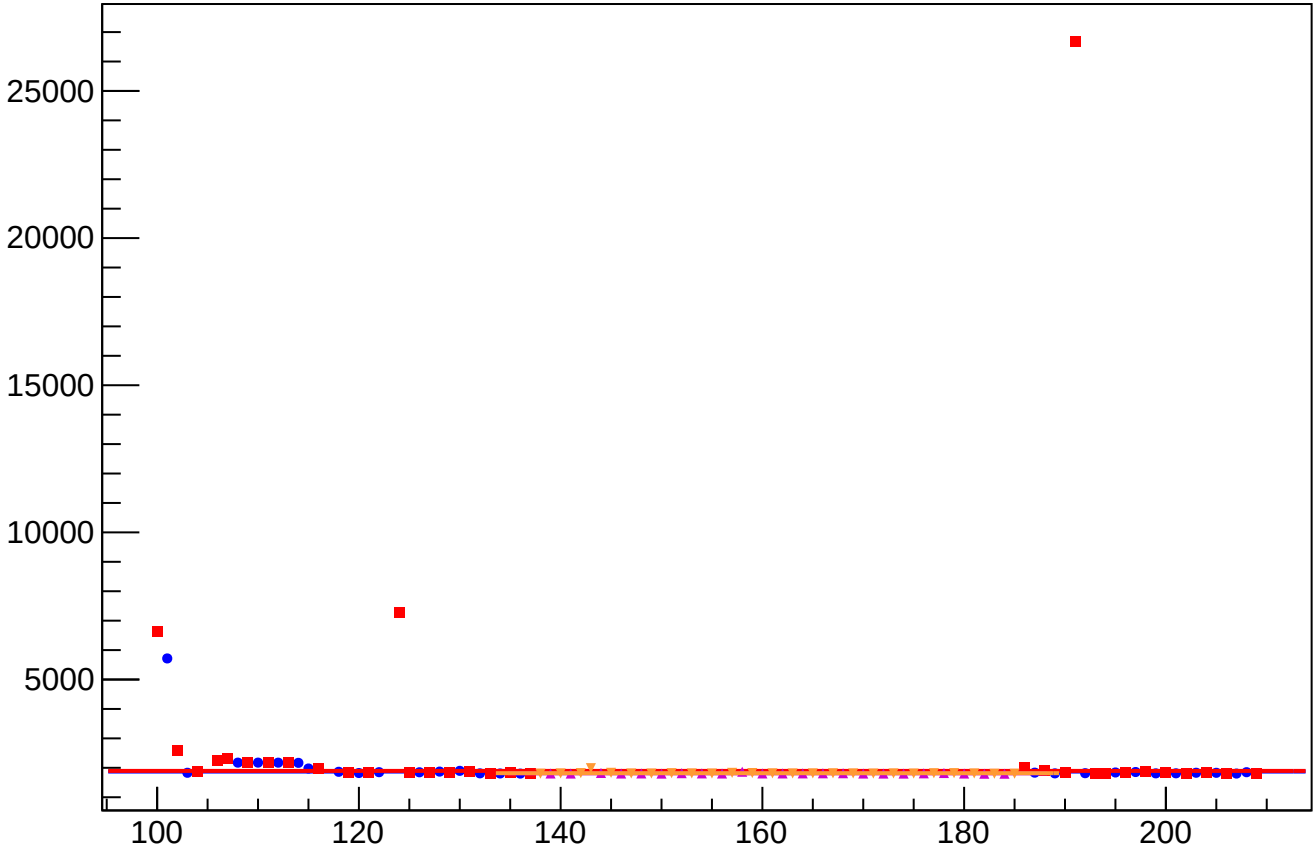
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1990.221+/-311.788 χ^2/NDF: 58.1/51

All: -39.915+/-220.712 χ^2/NDF: 201.5/106

- sign -2079.077+/-312.481 χ^2/NDF: 58.4/54

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

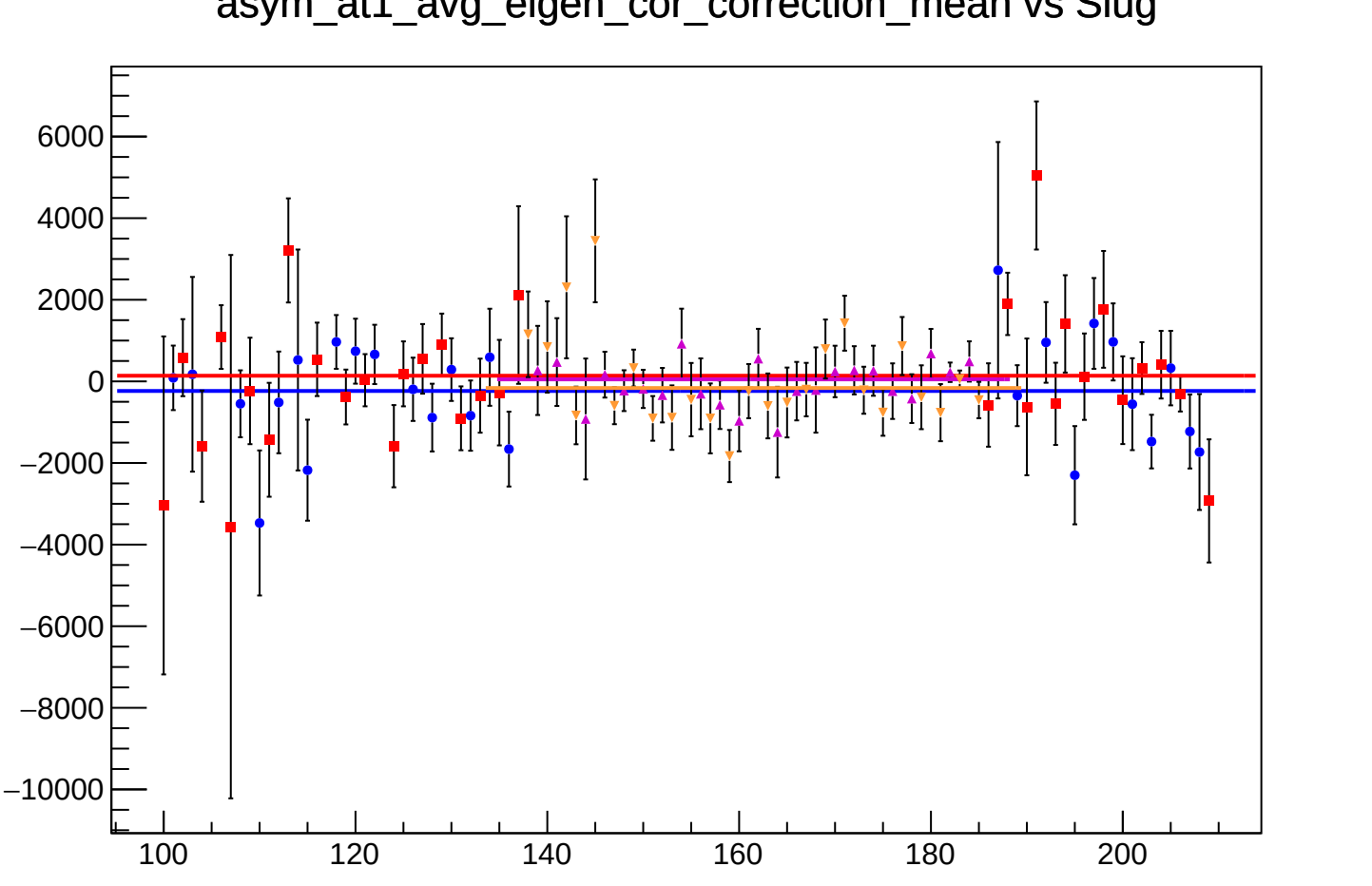
Right Out: 1894.824+/-0.328 χ^2/NDF: 741164.6/31

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1841.444+/-0.220 χ^2/NDF: 694134.7/51

All: 1845.696+/-0.156 χ^2/NDF: 1472440.4/10

- sign 1849.966+/-0.221 χ^2/NDF: 777560.3/54



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 138.285+/-163.483 χ^2/NDF: 41.3/31

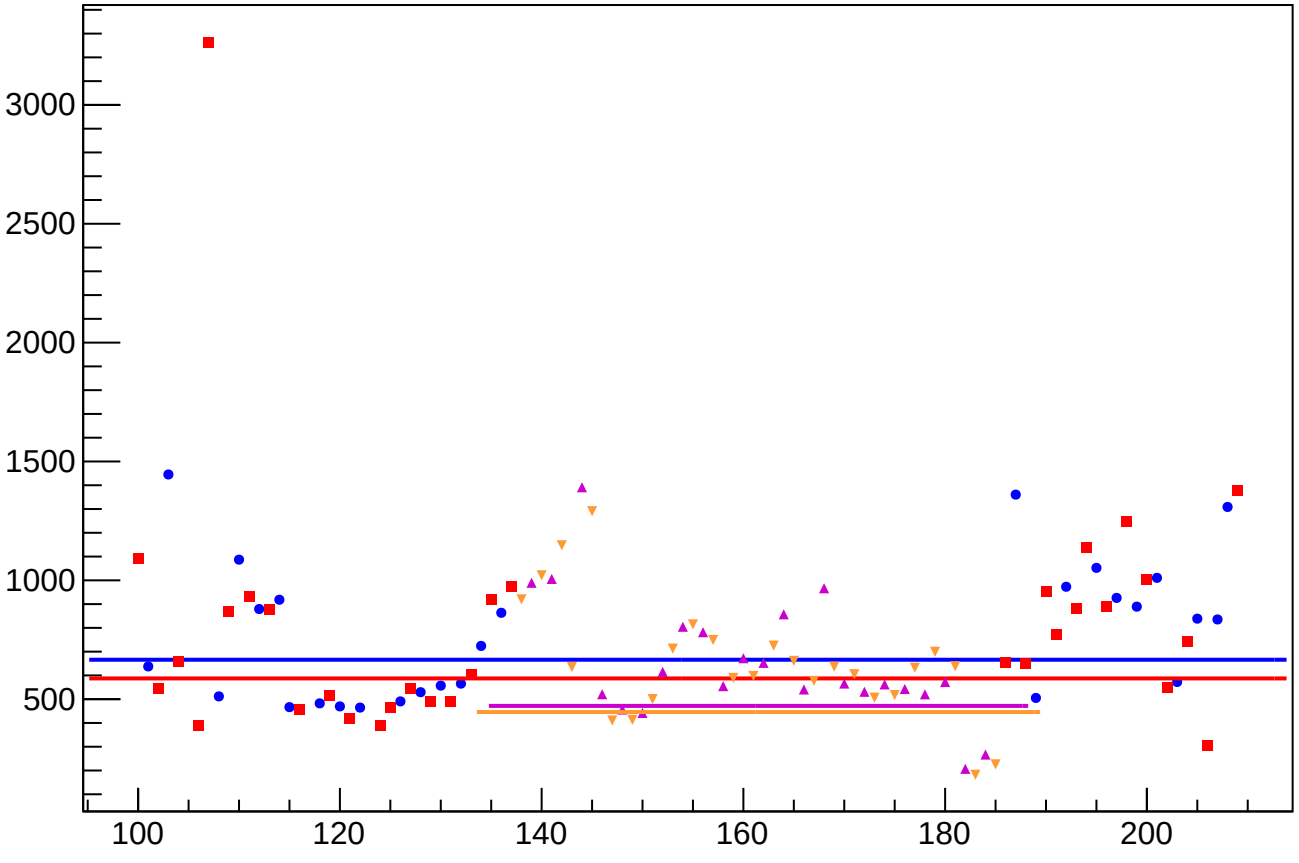
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -183.627+/-97.300 χ^2/NDF: 69.5/51

All: -52.258+/-69.093 χ^2/NDF: 126.0/106

- sign 81.368+/-98.131 χ^2/NDF: 52.8/54

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 587.334+/-0.116 χ^2/NDF: 4507284.7/31

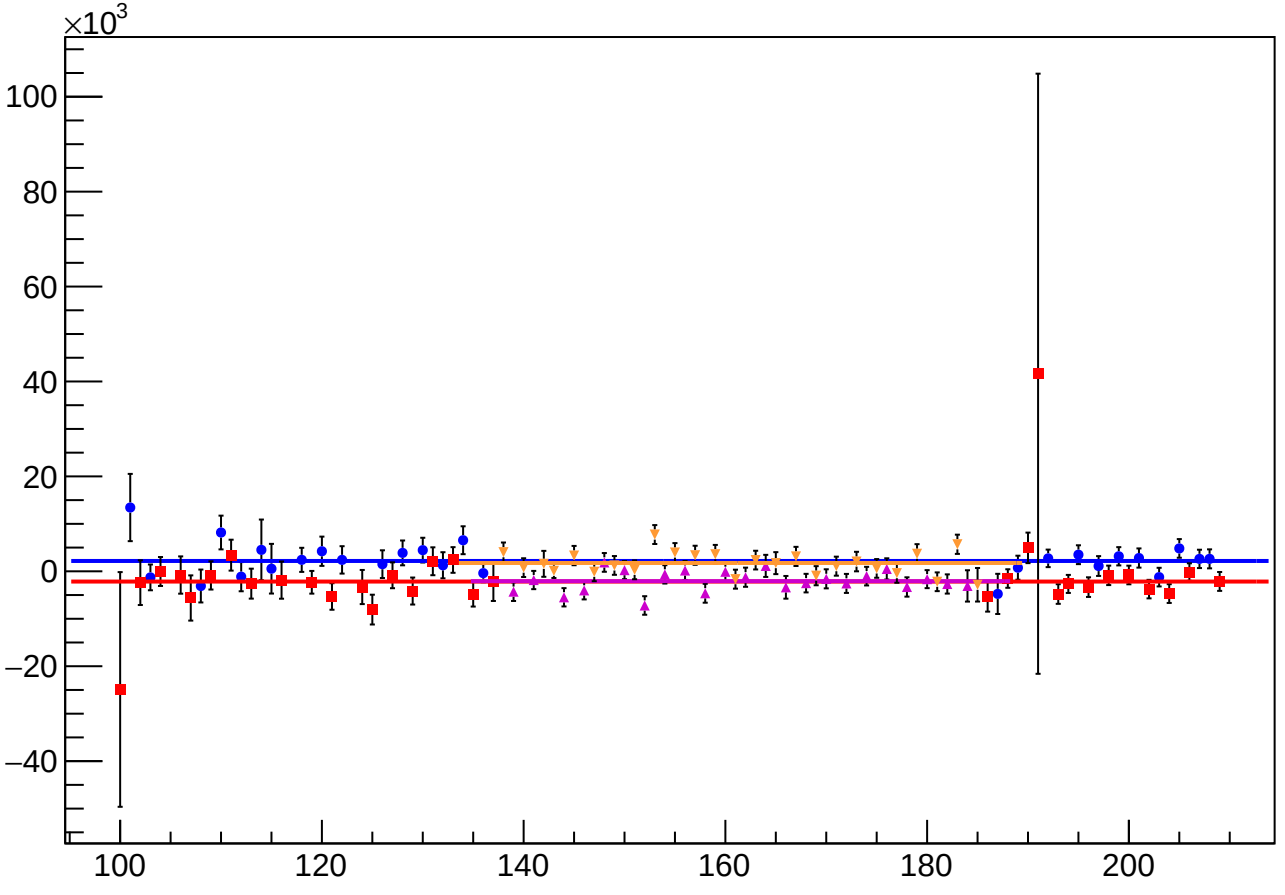
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 509.205+/-0.069 χ^2/NDF: 12948989.2/51

All: 511.285+/-0.049 χ^2/NDF: 24511244.3/10

- sign 513.400+/-0.069 χ^2/NDF: 11560412.0/54

dit_asym_at1_avg_mean vs Slug



Right In: 2178.618+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2159.182+/-465.717 χ^2/NDF: 29.7/31

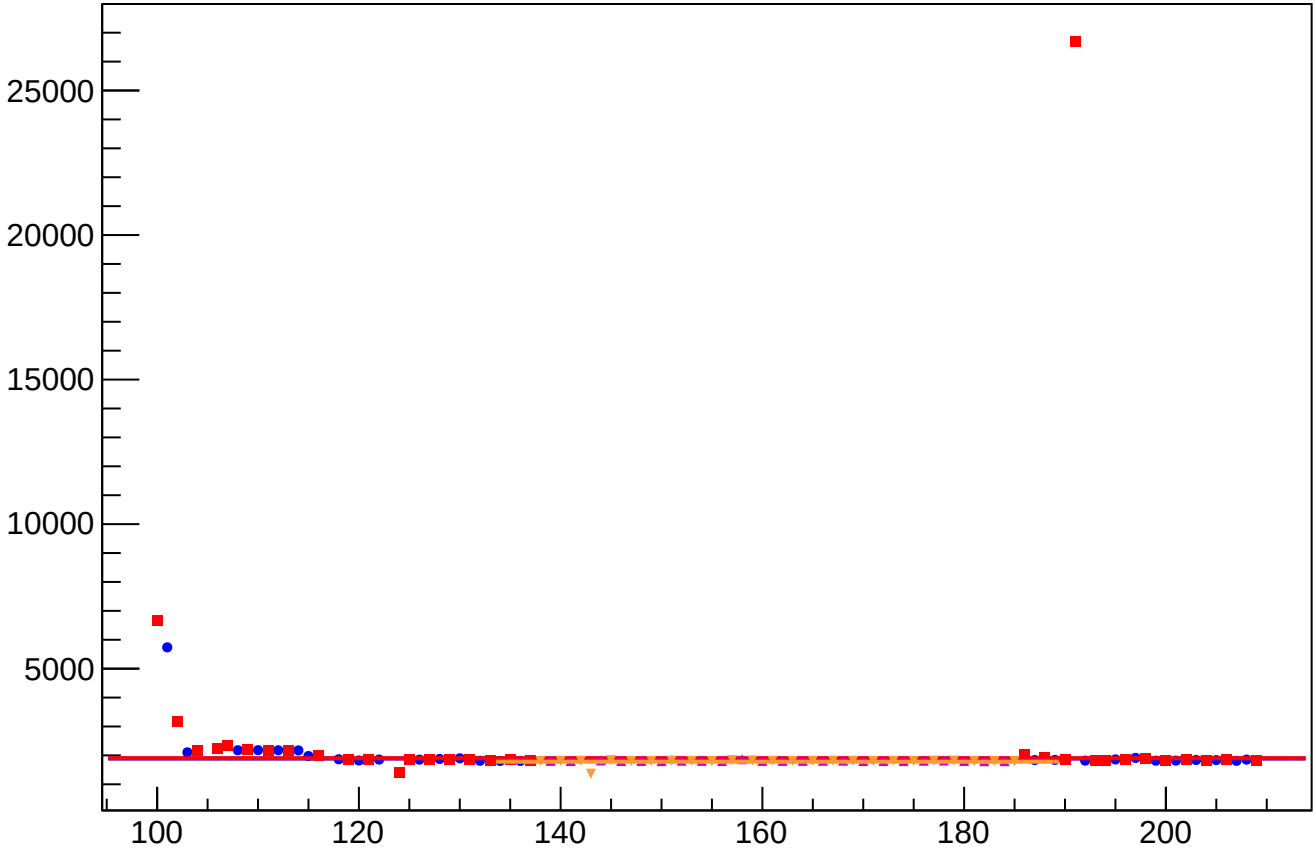
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1931.518+/-309.804 χ^2/NDF: 59.8/51

All: -67.146+/-220.319 χ^2/NDF: 200.7/106

- sign -2112.265+/-313.384 χ^2/NDF: 56.7/54

dit_asym_at1_avg_rms vs Slug



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.6/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1903.060+/-0.329 χ^2/NDF: 695058.1/31

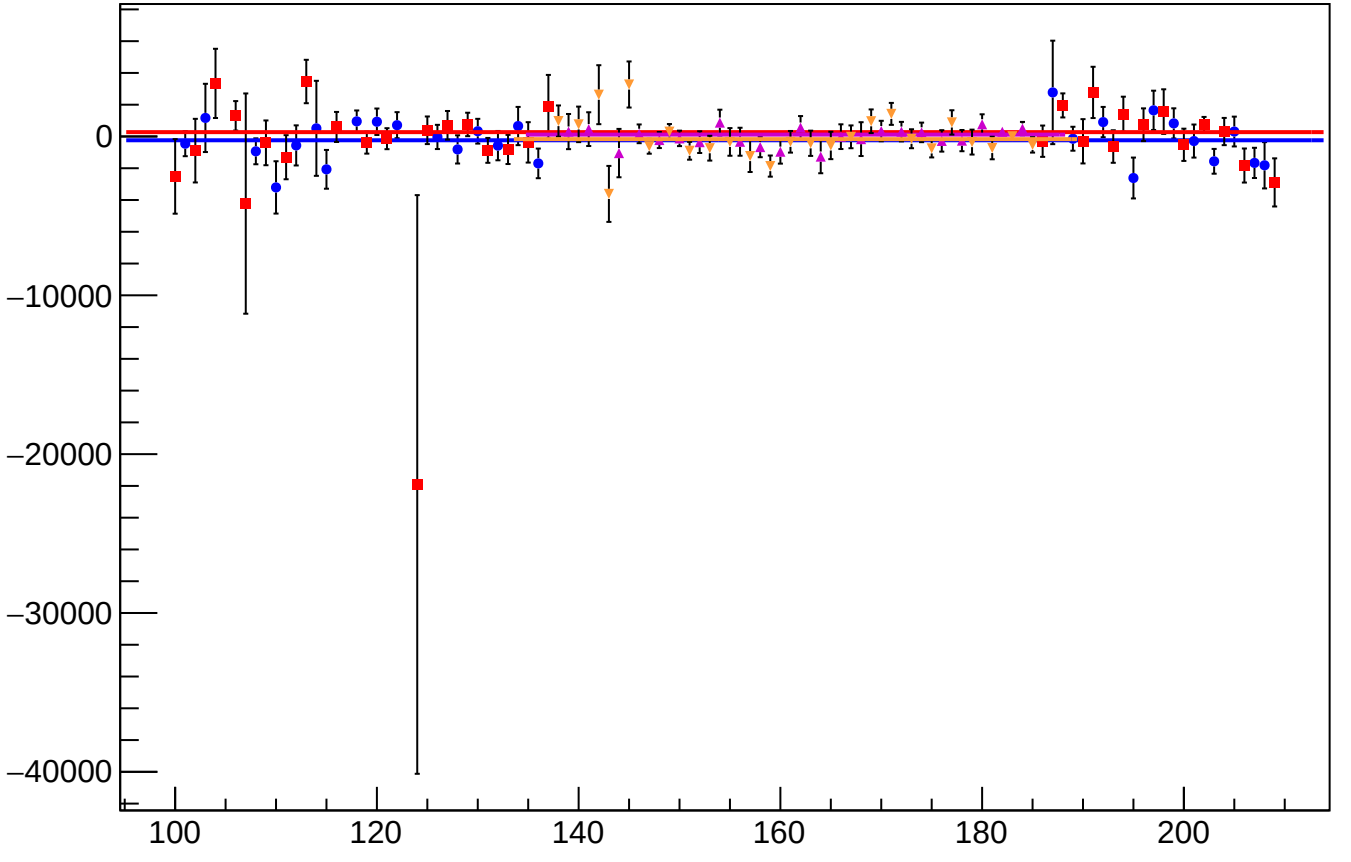
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.859+/-0.219 χ^2/NDF: 902712.9/51

All: 1840.553+/-0.156 χ^2/NDF: 1647403.8/10

- sign 1854.565+/-0.222 χ^2/NDF: 736785.5/54

asym_at1_avg_dit_correction_mean vs Slug



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 273.186+/-177.938 χ^2/NDF: 40.8/31

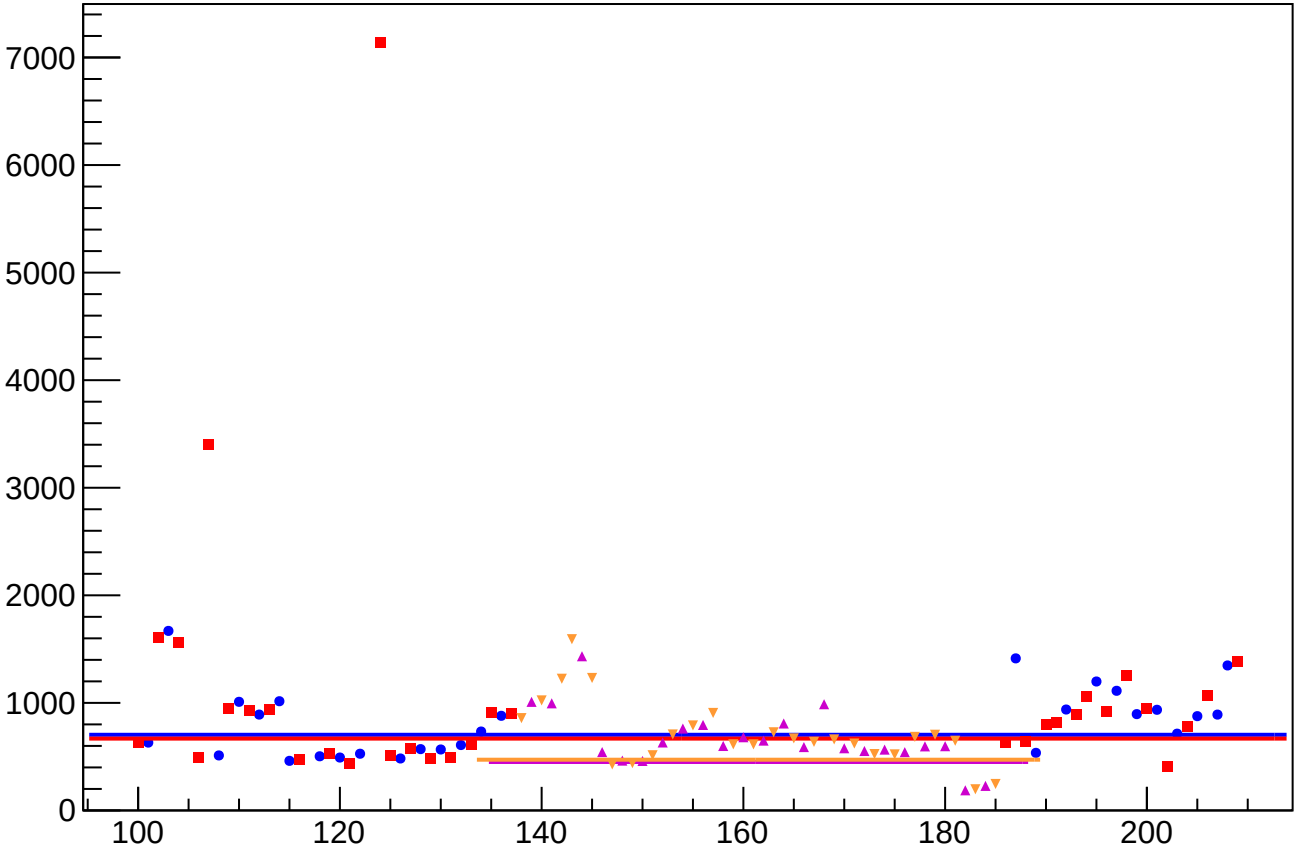
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -189.058+/-102.055 χ^2/NDF: 71.7/51

All: -6.858+/-71.192 χ^2/NDF: 131.5/106

- sign 165.845+/-99.360 χ^2/NDF: 53.6/54

asym_at1_avg_dit_correction_rms vs Slug



Right In: 703.509+/-0.133 χ^2/NDF: 3055008.6/26

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 667.949+/-0.126 χ^2/NDF: 4803695.4/31

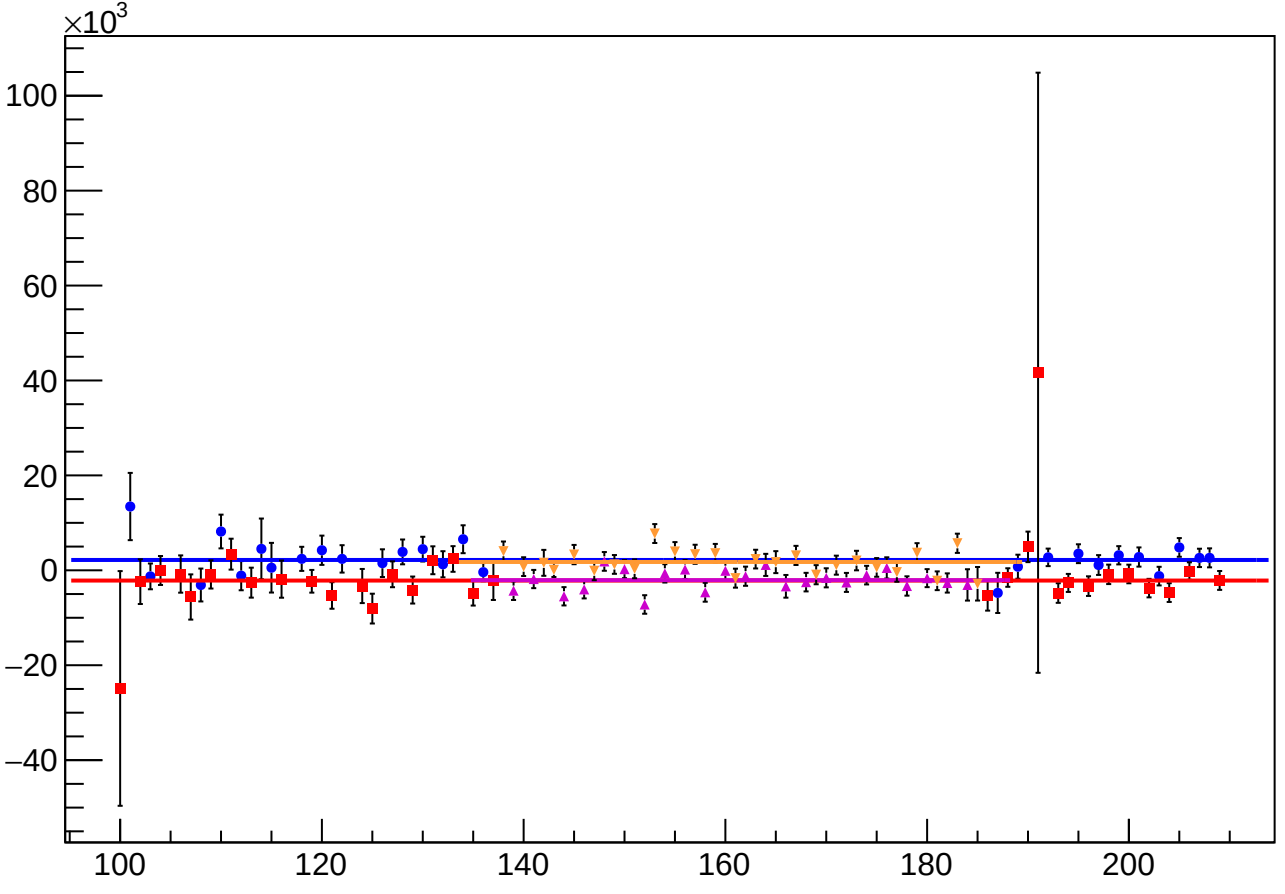
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 540.359+/-0.072 χ^2/NDF: 13316296.1/51

All: 529.089+/-0.050 χ^2/NDF: 28148472.9/10

- sign 518.406+/-0.070 χ^2/NDF: 14784665.9/54

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2178.616+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2159.181+/-465.717 χ^2/NDF: 29.7/31

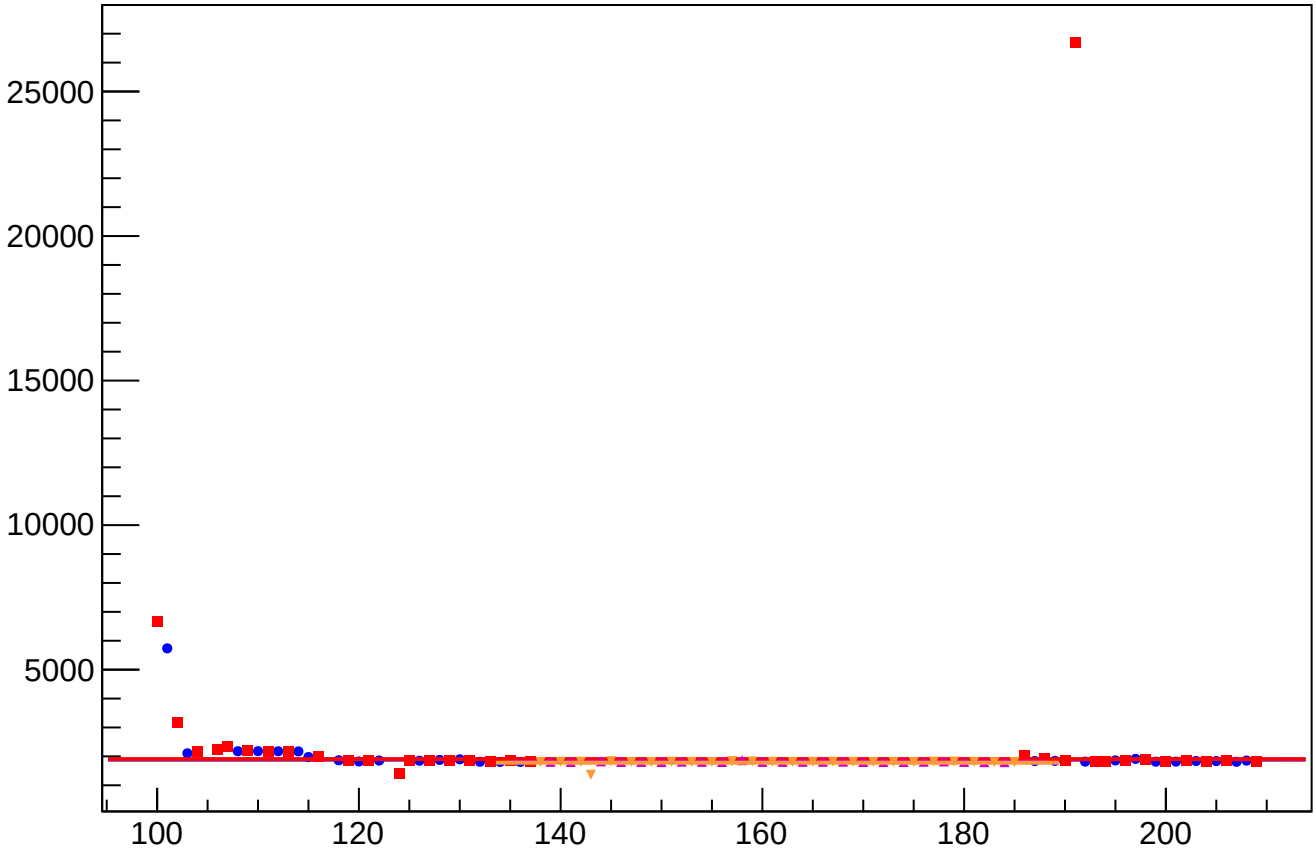
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1931.517+/-309.804 χ^2/NDF: 59.8/51

All: -67.146+/-220.319 χ^2/NDF: 200.7/106

- sign -2112.264+/-313.384 χ^2/NDF: 56.7/54

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.2/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1903.060+/-0.329 χ^2/NDF: 695056.6/31

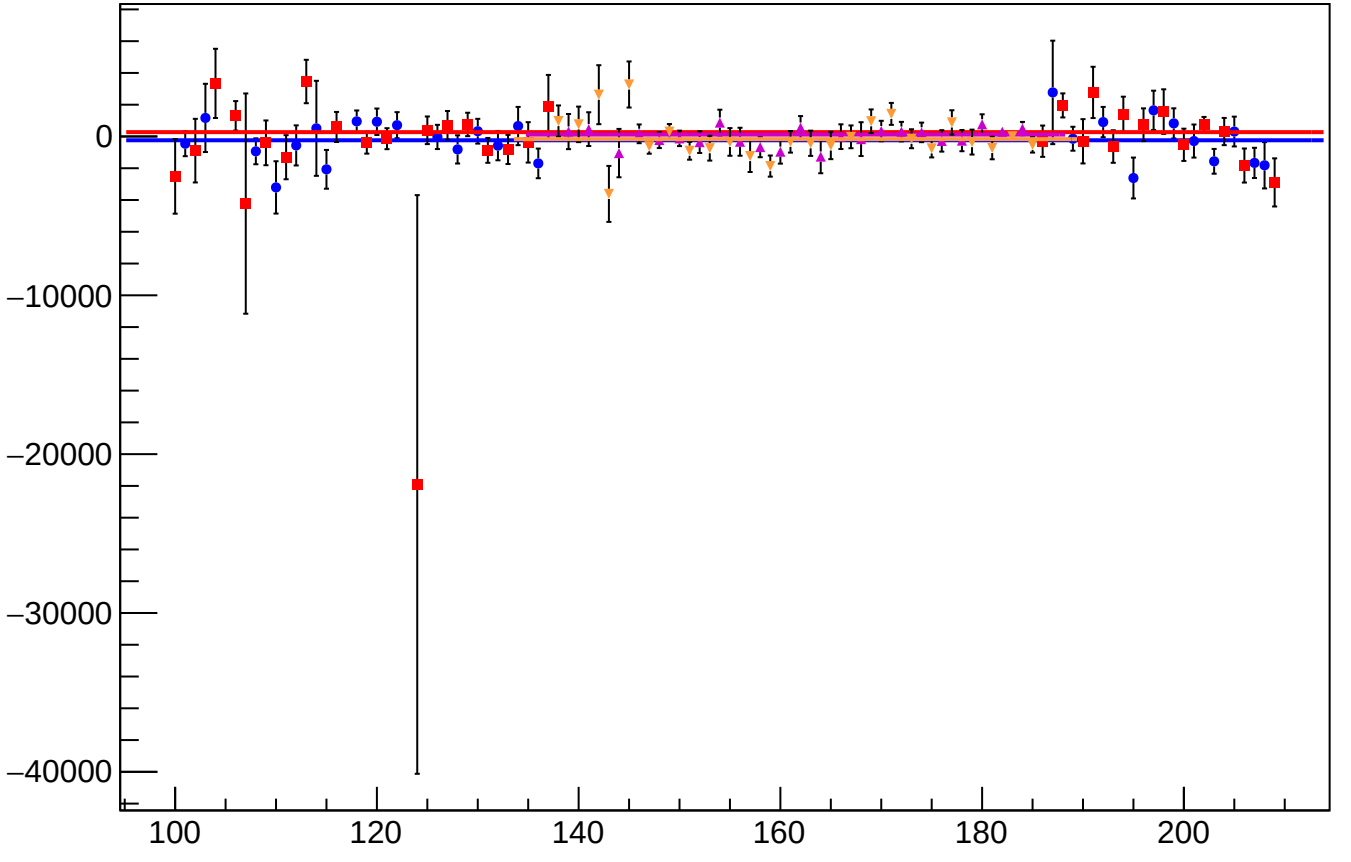
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.859+/-0.219 χ^2/NDF: 902712.3/51

All: 1840.553+/-0.156 χ^2/NDF: 1647401.8/10

- sign 1854.565+/-0.222 χ^2/NDF: 736784.0/54

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 273.186+/-177.938 χ^2/NDF: 40.8/31

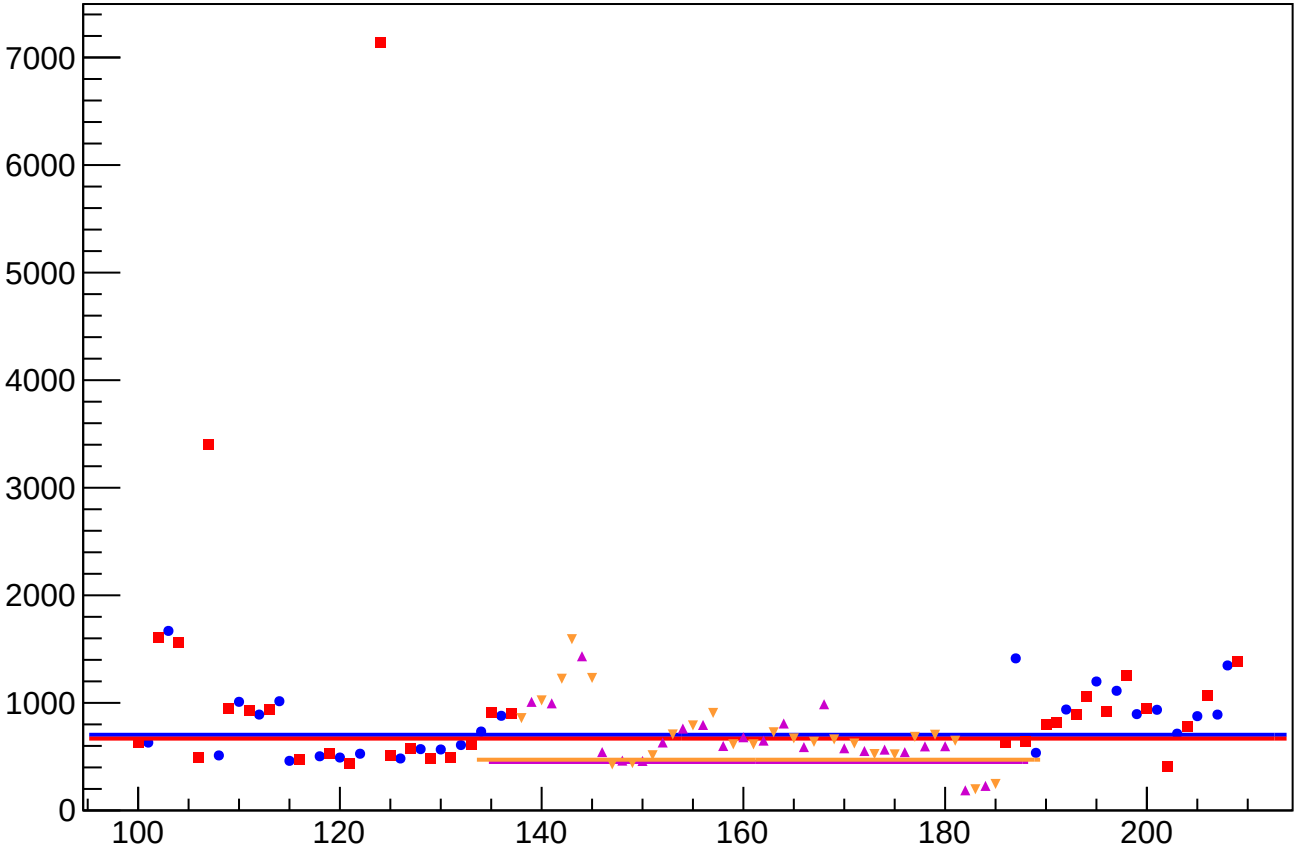
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -189.058+/-102.055 χ^2/NDF: 71.7/51

All: -6.858+/-71.192 χ^2/NDF: 131.5/106

- sign 165.845+/-99.360 χ^2/NDF: 53.6/54

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 703.509+/-0.133 χ^2/NDF: 3055034.9/26

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 667.949+/-0.126 χ^2/NDF: 4803707.3/31

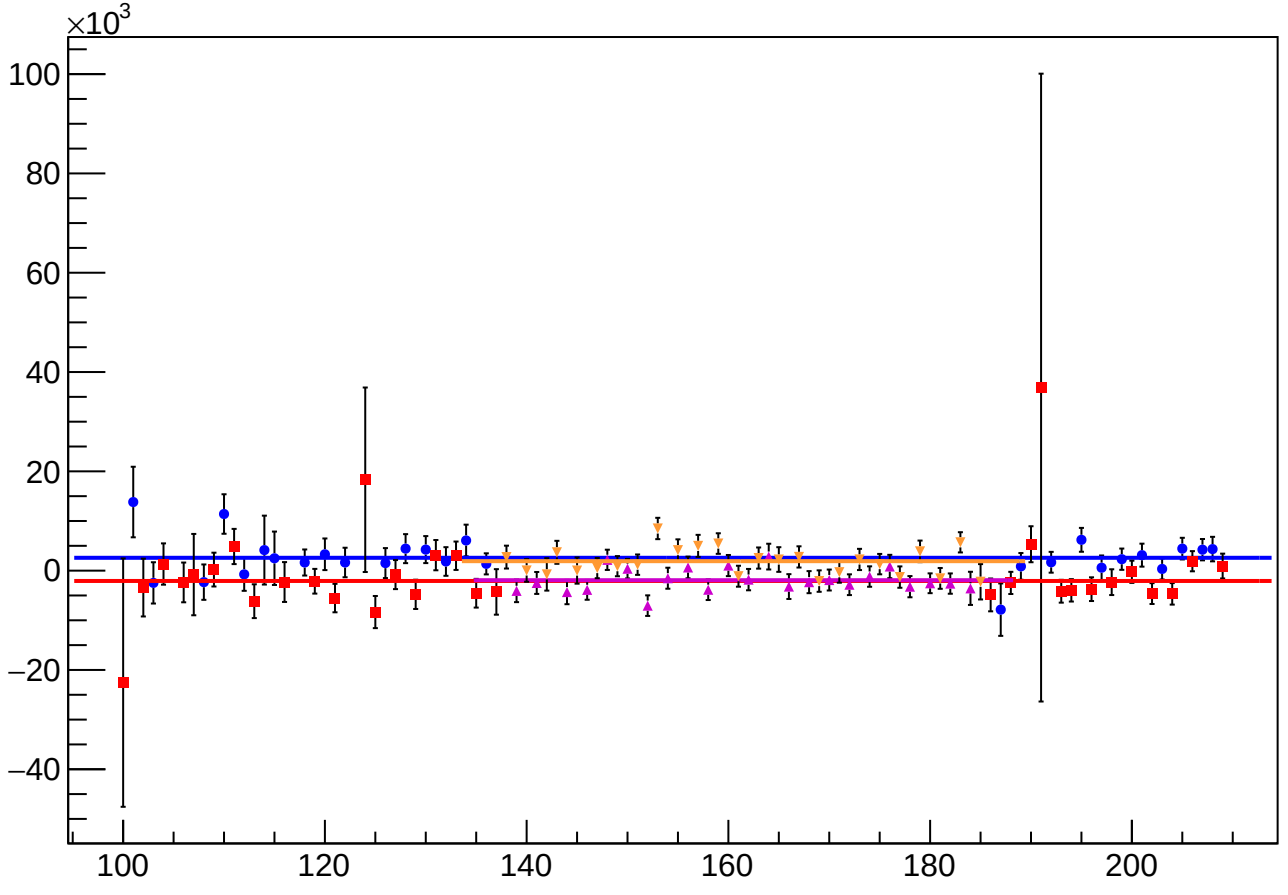
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 540.360+/-0.072 χ^2/NDF: 13316299.5/51

All: 529.090+/-0.050 χ^2/NDF: 28148453.2/10

- sign 518.407+/-0.070 χ^2/NDF: 14784644.2/54

asym_at1_avg_mean vs Slug



Right In: 2589.080+/-535.737 χ^2/NDF: 25.0/26

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2078.380+/-526.037 χ^2/NDF: 37.8/31

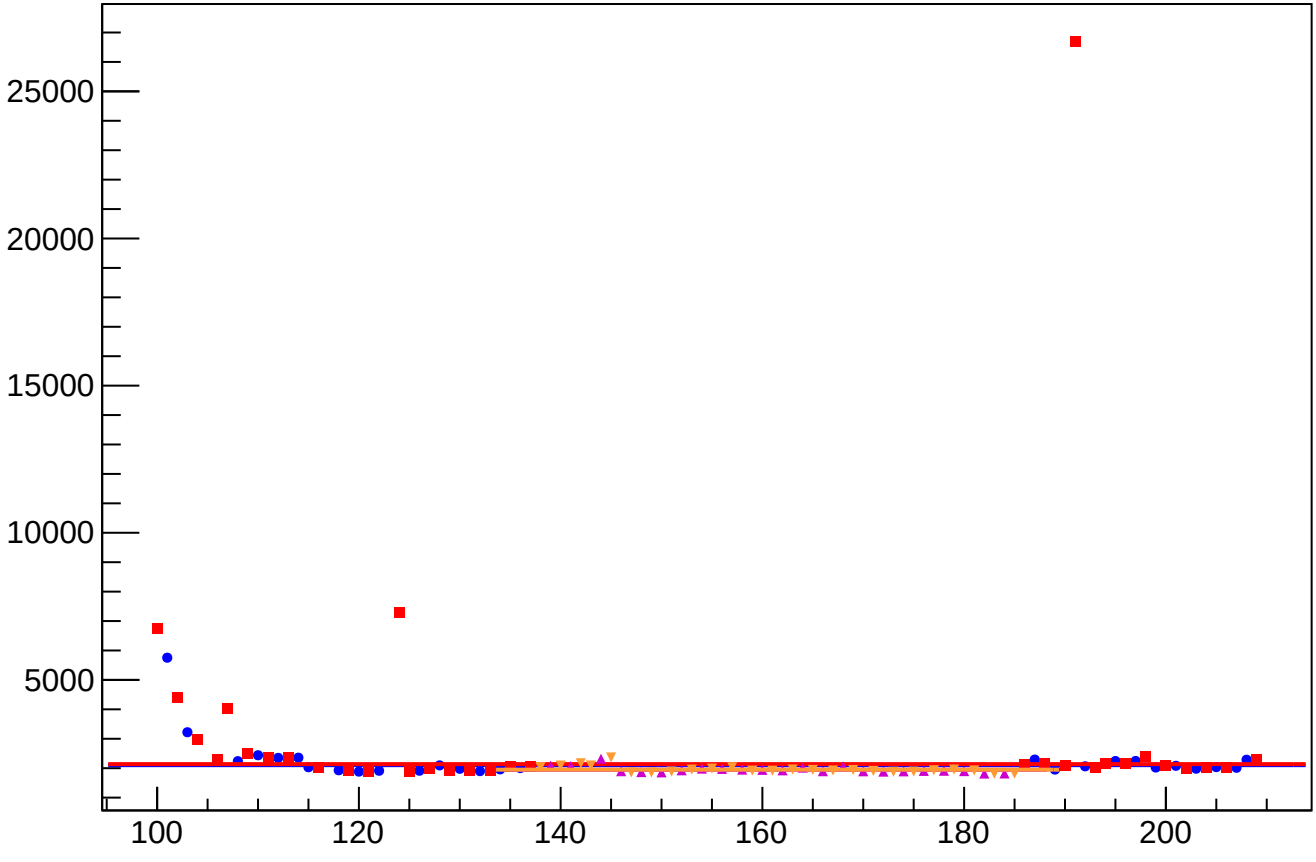
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2184.594+/-341.639 χ^2/NDF: 62.3/51

All: 111.385+/-242.433 χ^2/NDF: 199.0/106

- sign -1991.520+/-344.077 χ^2/NDF: 62.6/54

asym_at1_avg_rms vs Slug



Right In: 2103.096+/-0.379 χ^2/NDF: 809703.7/26

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2138.059+/-0.372 χ^2/NDF: 1186149.8/31

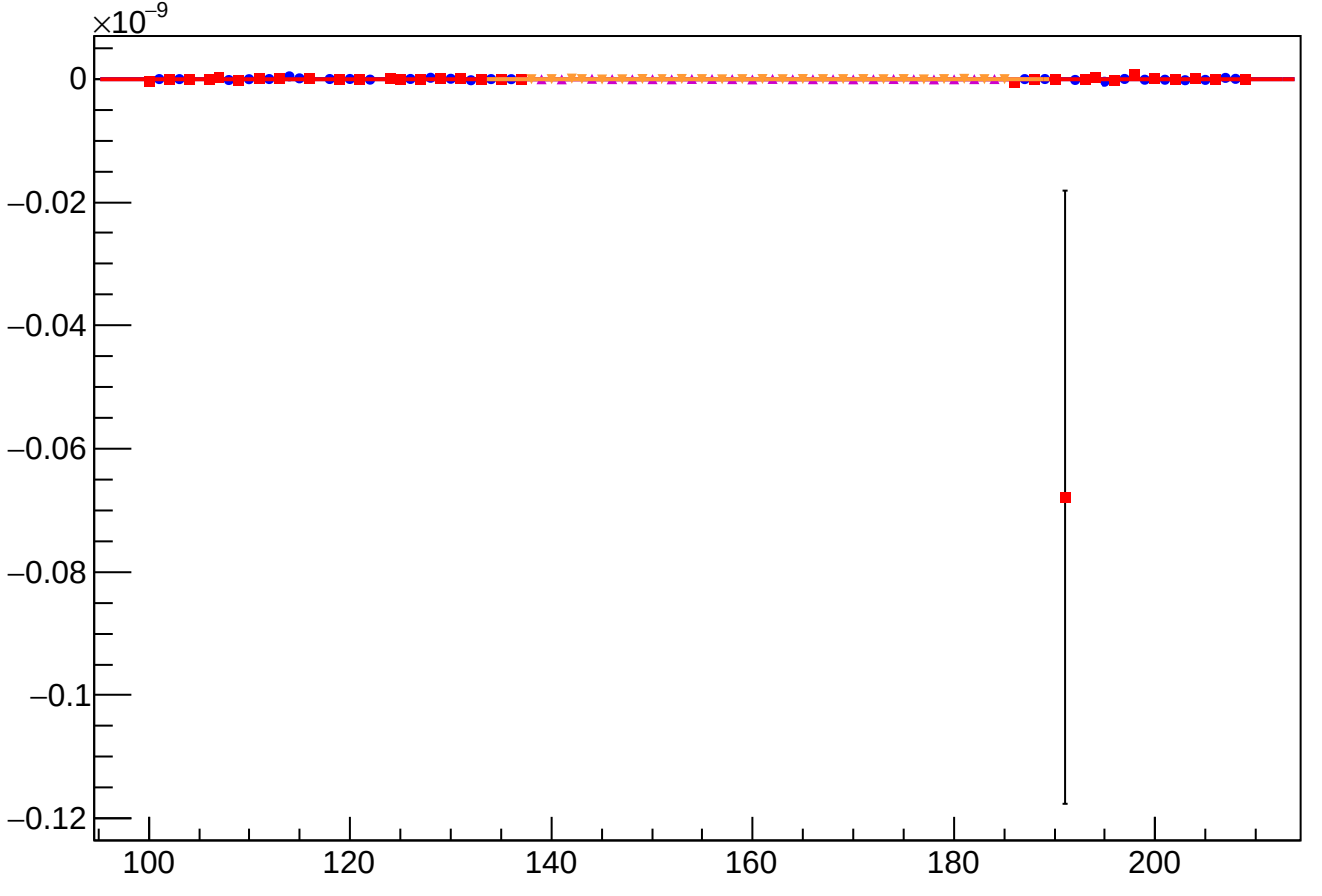
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2011.666+/-0.242 χ^2/NDF: 1016403.9/51

All: 2019.613+/-0.171 χ^2/NDF: 2454611.4/10

- sign 2027.674+/-0.243 χ^2/NDF: 1436027.5/54

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

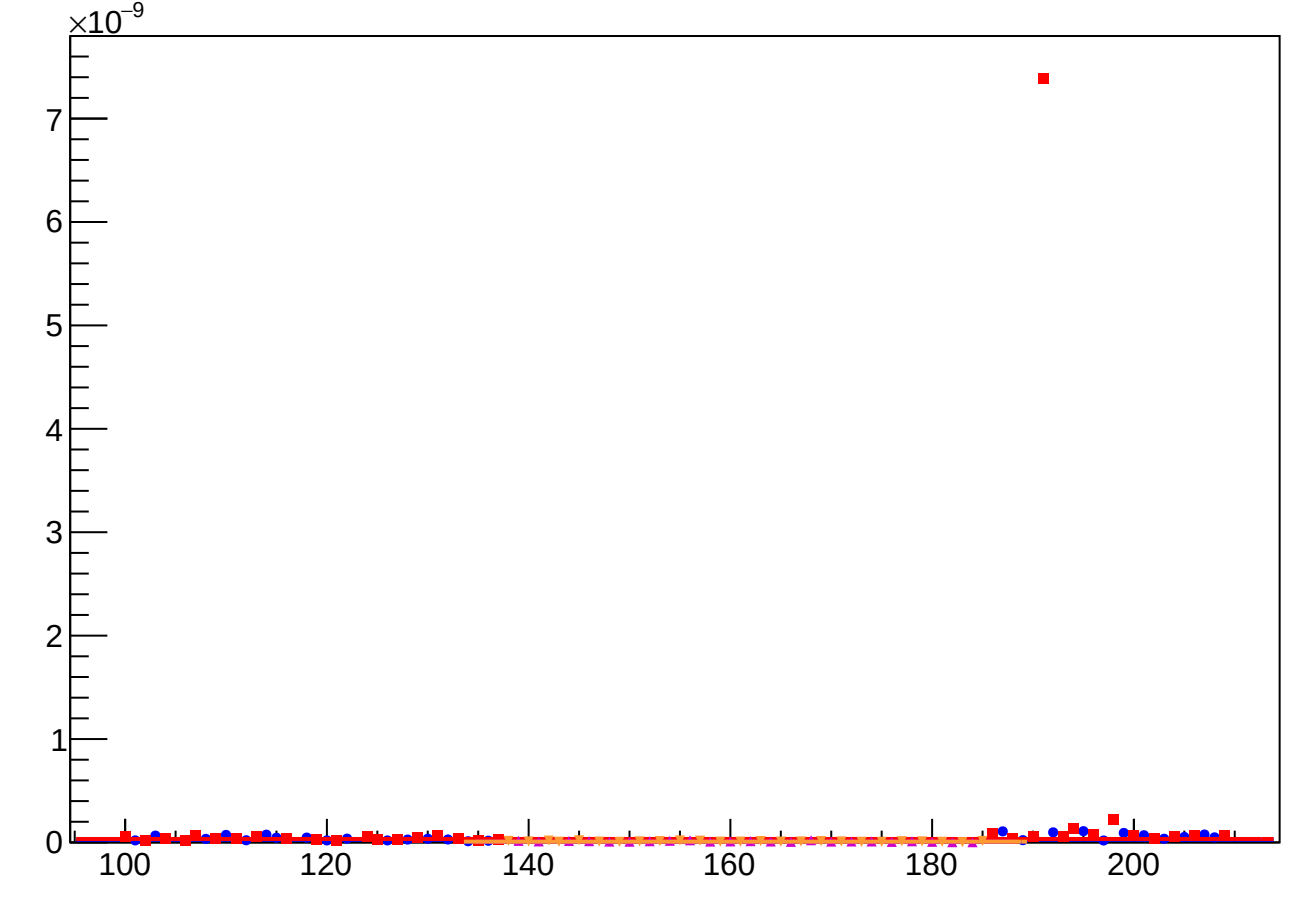
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/31

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 62.3/51

All: 0.000+/-0.000 χ^2/NDF: 125.8/106

\- sign 0.000+/-0.000 χ^2/NDF: 63.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 3478351.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3227367.2/31

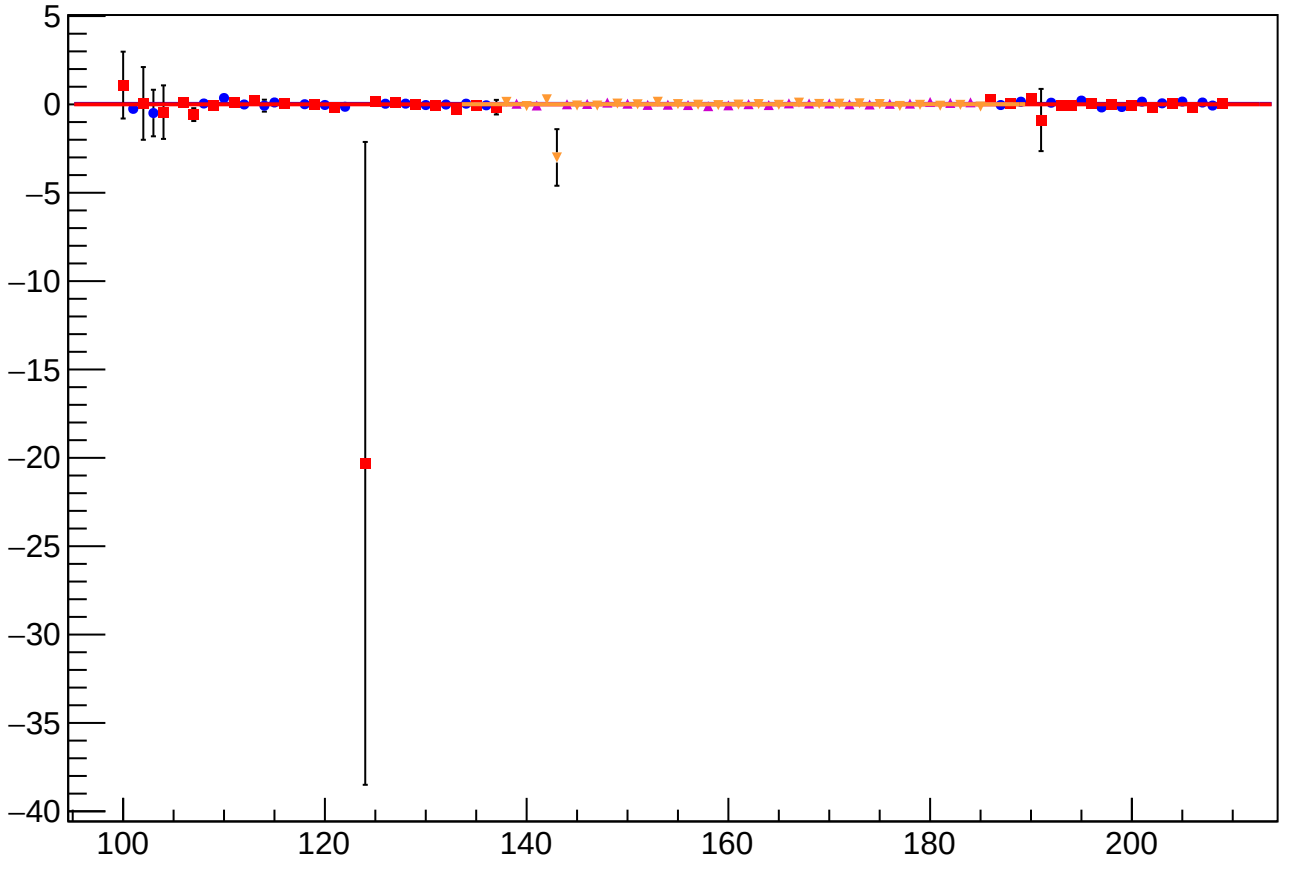
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9410433.7/51

All: 0.000+/-0.000 χ^2/NDF: 20433214.2/106

- sign 0.000+/-0.000 χ^2/NDF: 11020516.5/54

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.019 χ^2/NDF: 30.0/31

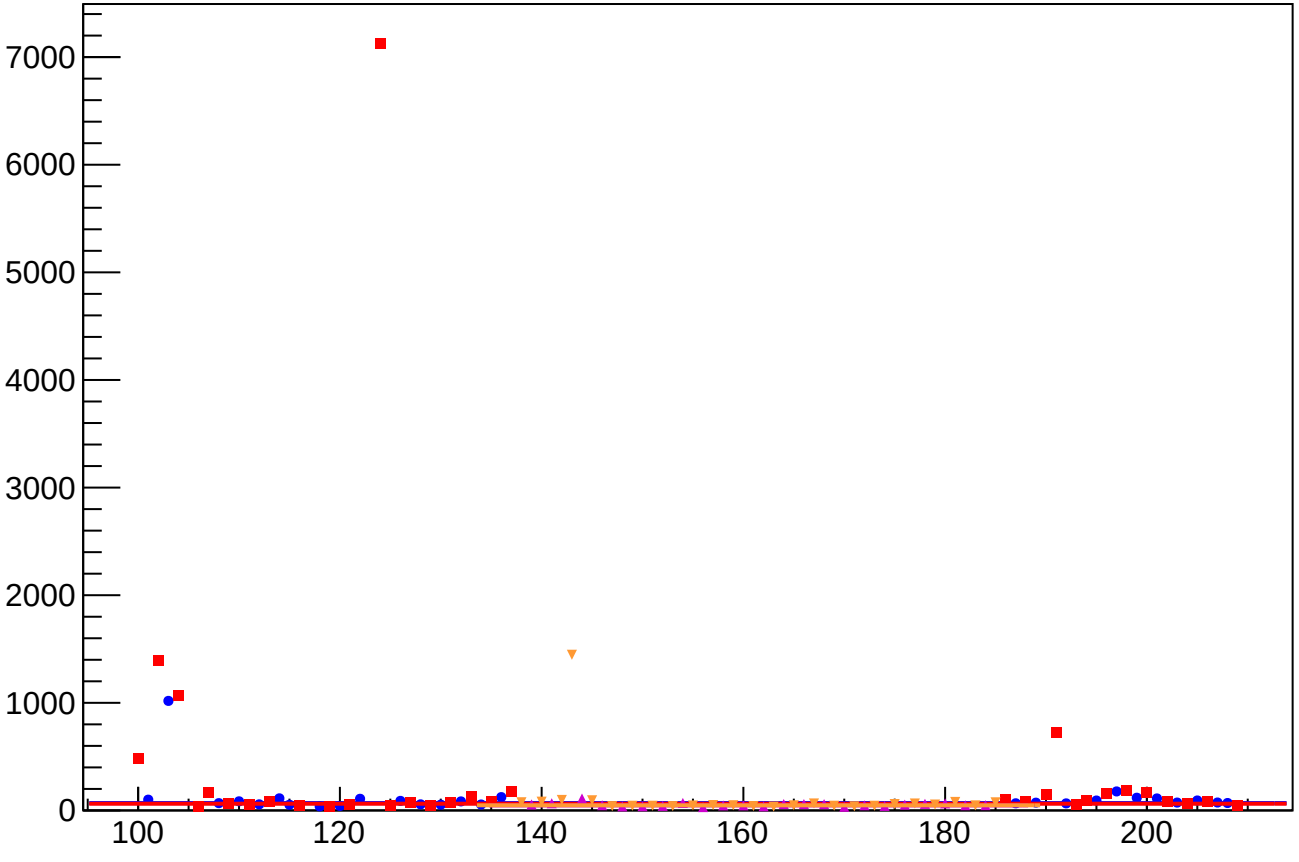
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.3/106

- sign 0.014+/-0.010 χ^2/NDF: 50.7/54

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

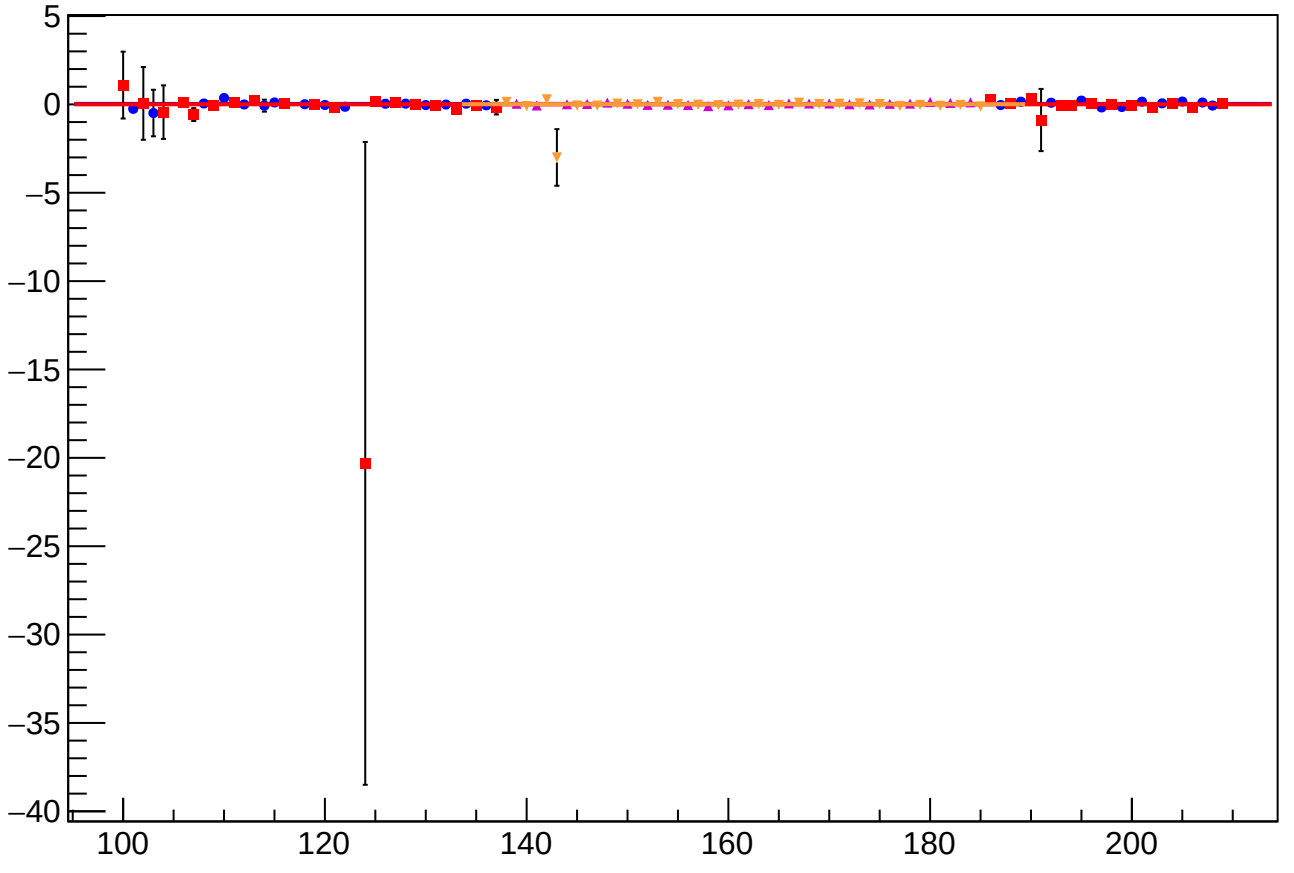
Right Out: 62.569+/-0.014 χ^2/NDF: 6429507.9/31

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 53.395+/-0.008 χ^2/NDF: 8837272.4/51

All: 52.336+/-0.005 χ^2/NDF: 18211390.2/106

- sign 51.337+/-0.007 χ^2/NDF: 9335635.1/54



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.019 χ^2/NDF: 30.0/31

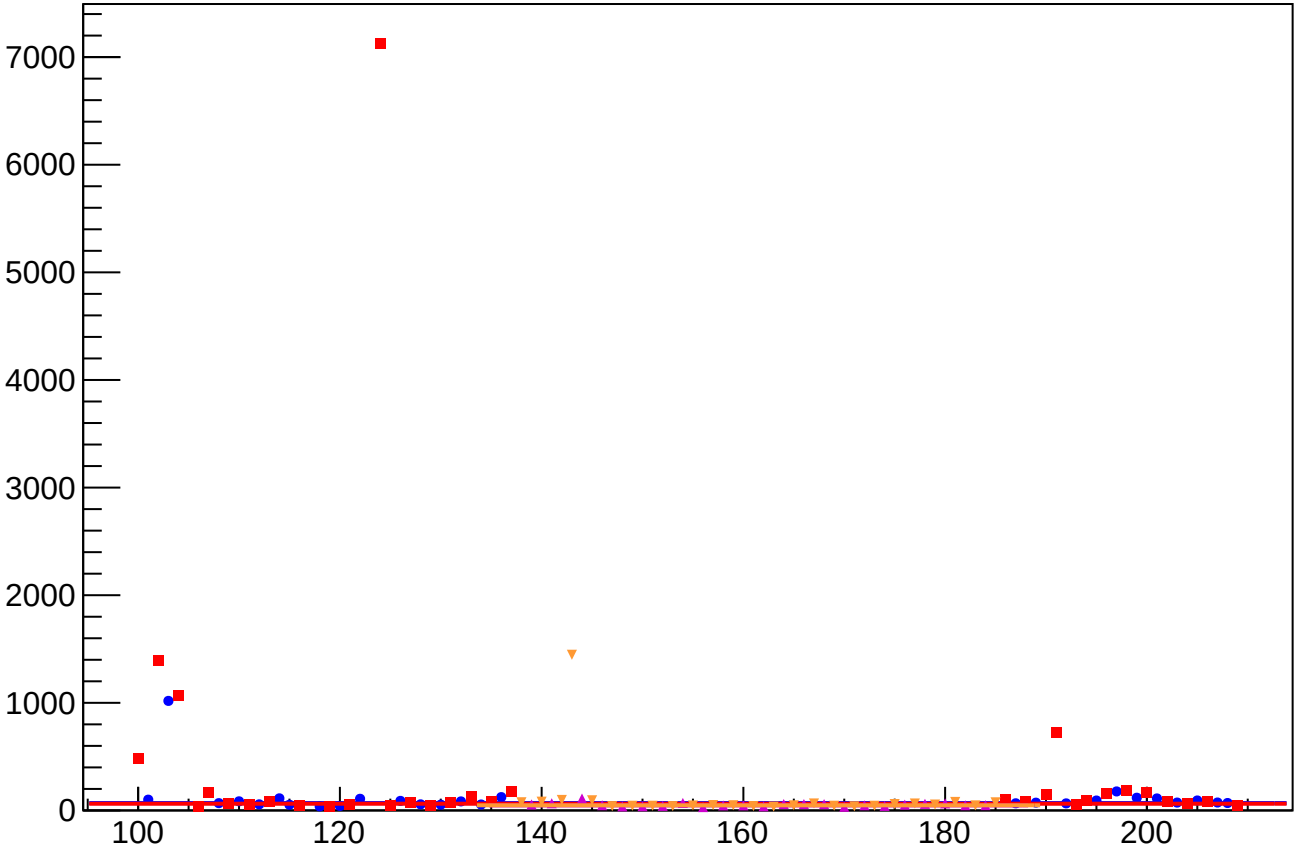
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.3/106

- sign 0.014+/-0.010 χ^2/NDF: 50.7/54

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

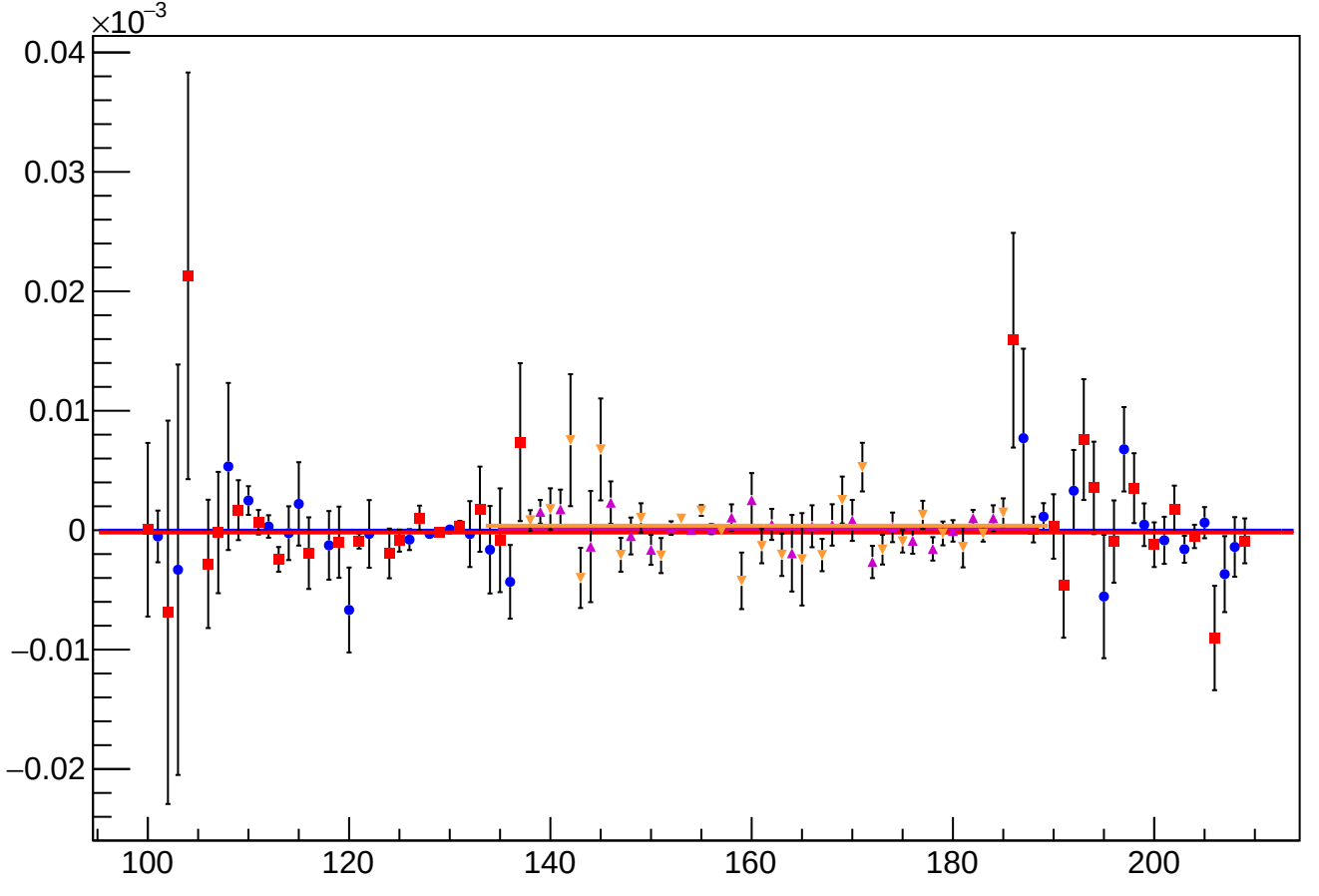
Right Out: 62.569+/-0.014 χ^2/NDF: 6429507.9/31

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 53.395+/-0.008 χ^2/NDF: 8837272.4/51

All: 52.336+/-0.005 χ^2/NDF: 18211390.2/106

- sign 51.337+/-0.007 χ^2/NDF: 9335635.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

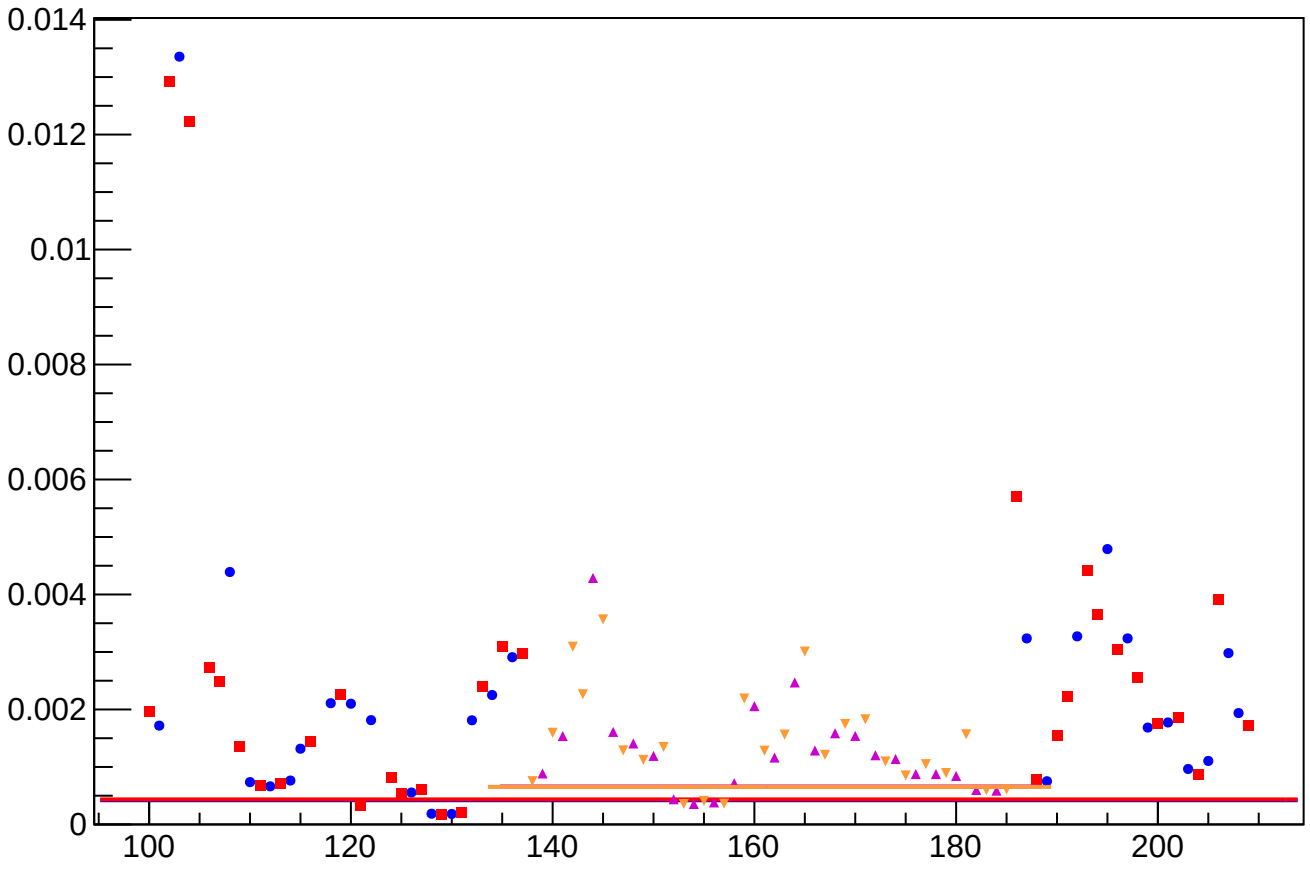
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/31

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.2/51

All: 0.000+/-0.000 χ^2/NDF: 132.4/106

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



Right In: 0.000+/-0.000 χ^2/NDF: 18971262.0/26

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

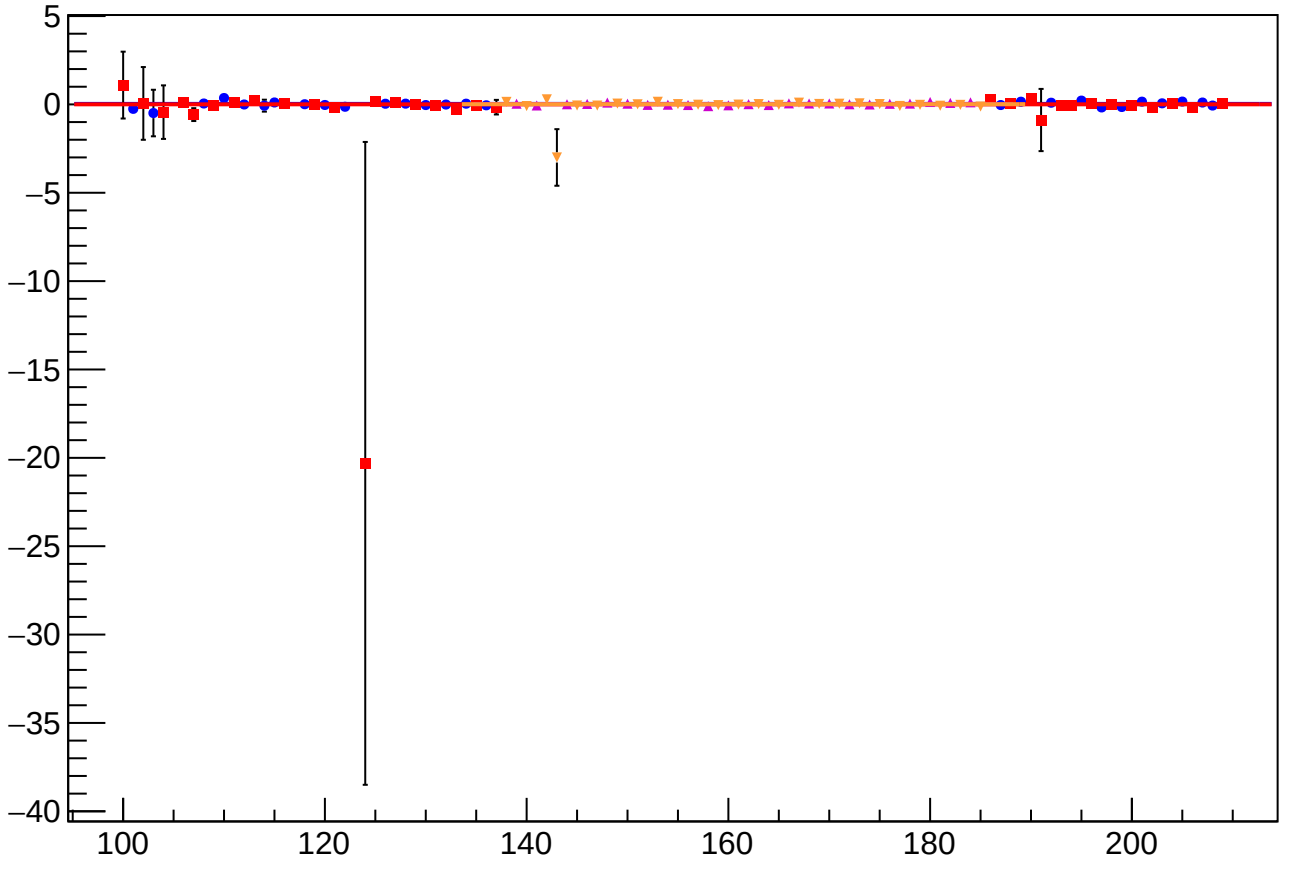
Right Out: 0.000+/-0.000 χ^2/NDF: 19750789.4/31

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 32675508.4/51

All: 0.001+/-0.000 χ^2/NDF: 63607308.7/106

- sign 0.001+/-0.000 χ^2/NDF: 30929012.3/54



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.019 χ^2/NDF: 30.0/31

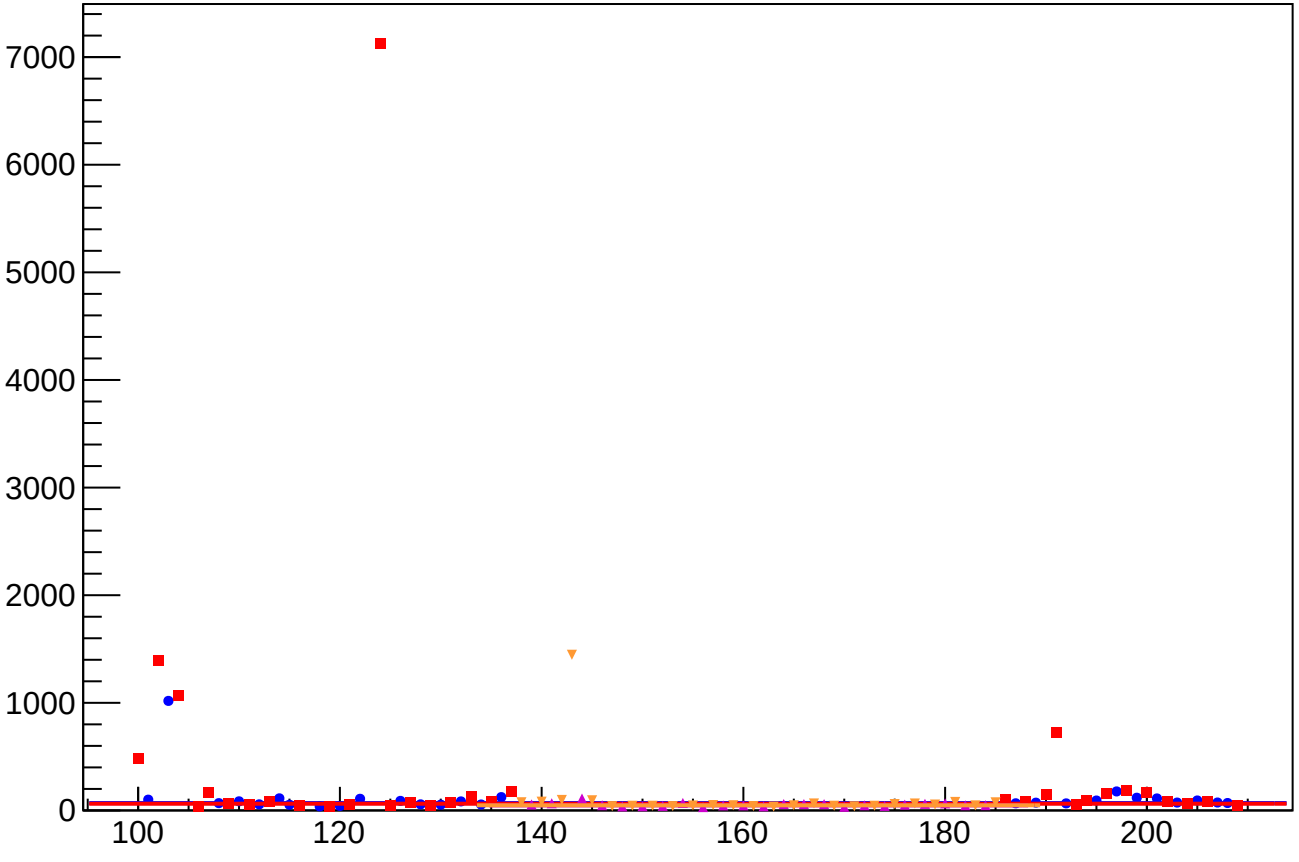
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.3/106

- sign 0.014+/-0.010 χ^2/NDF: 50.7/54

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

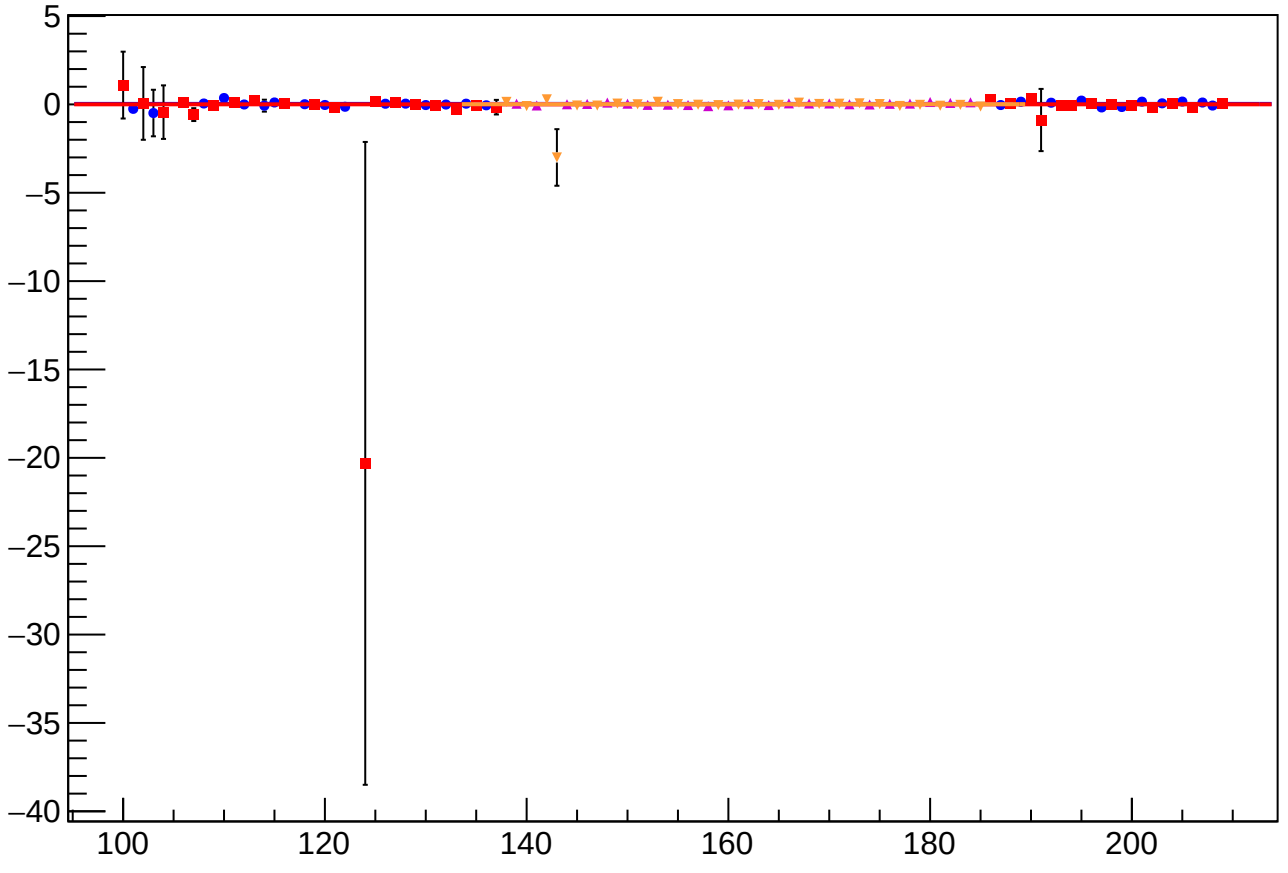
Right Out: 62.568+/-0.014 χ^2/NDF: 6429715.0/31

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 53.396+/-0.008 χ^2/NDF: 8837284.8/51

All: 52.336+/-0.005 χ^2/NDF: 18211527.8/106

- sign 51.337+/-0.007 χ^2/NDF: 9335745.1/54



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.004+/-0.019 χ^2/NDF: 30.0/31

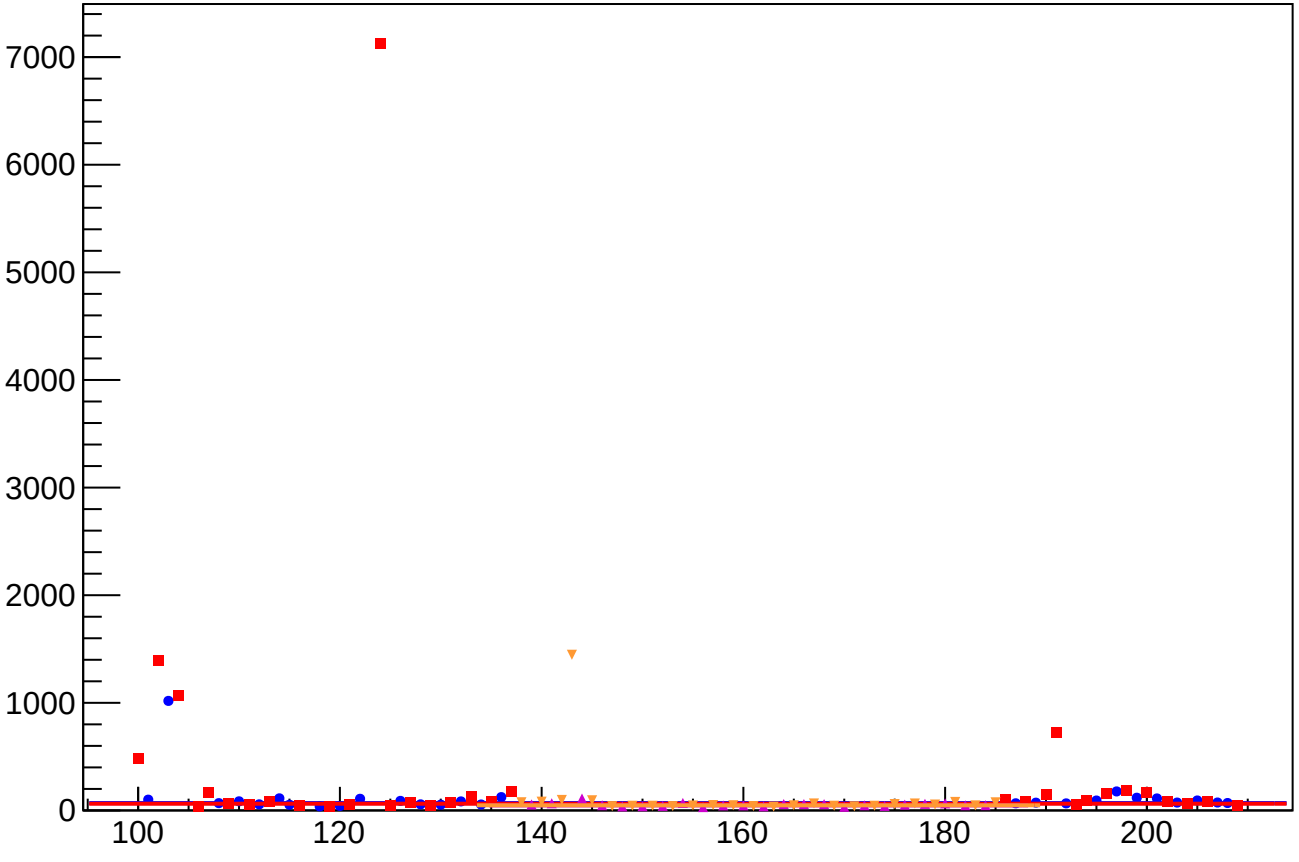
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 53.6/51

All: 0.015+/-0.007 χ^2/NDF: 104.3/106

- sign 0.014+/-0.010 χ^2/NDF: 50.7/54

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 62.568+/-0.014 χ^2/NDF: 6429715.0/31

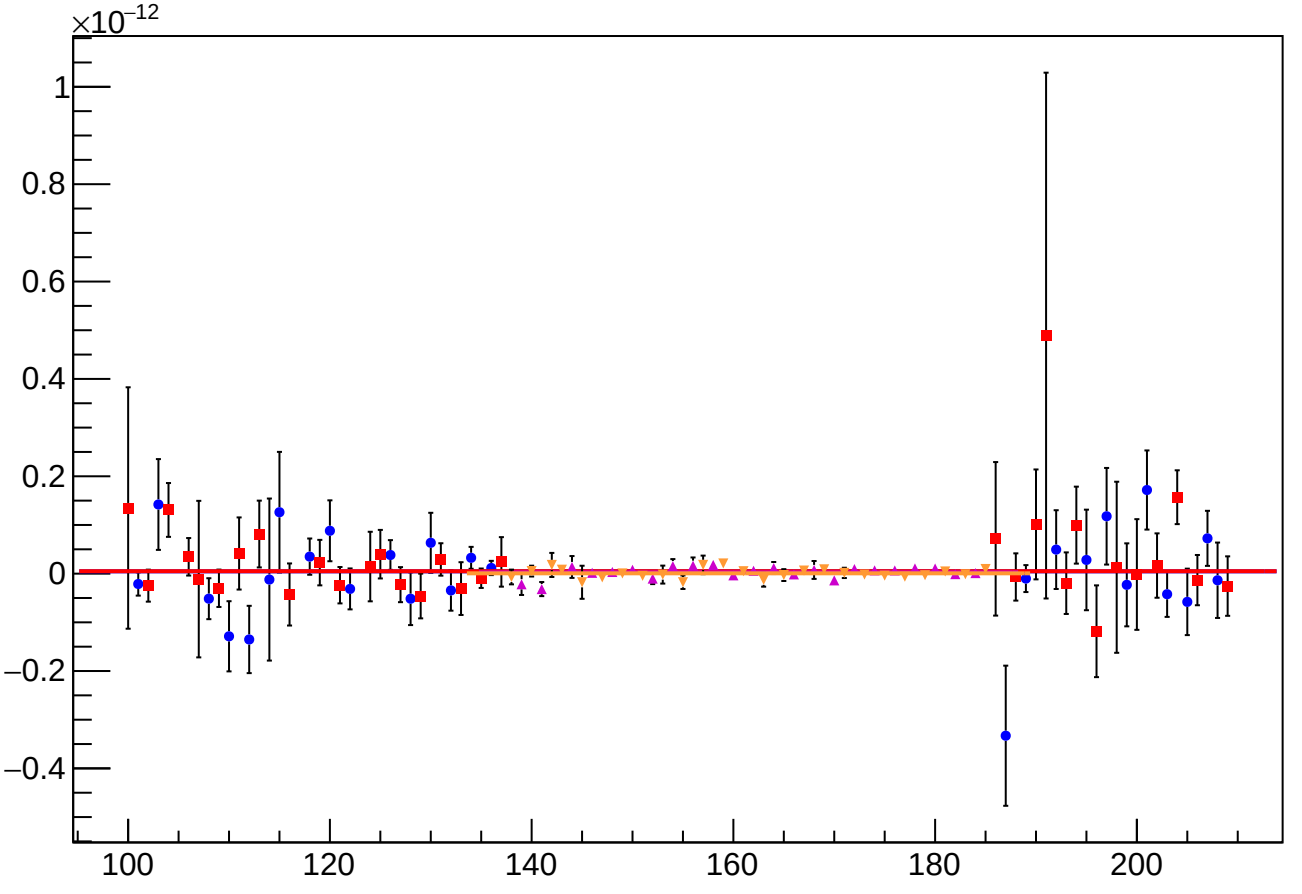
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

\+ sign 53.396+/-0.008 χ^2/NDF: 8837284.8/51

All: 52.336+/-0.005 χ^2/NDF: 18211527.8/106

\- sign 51.337+/-0.007 χ^2/NDF: 9335745.1/54

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

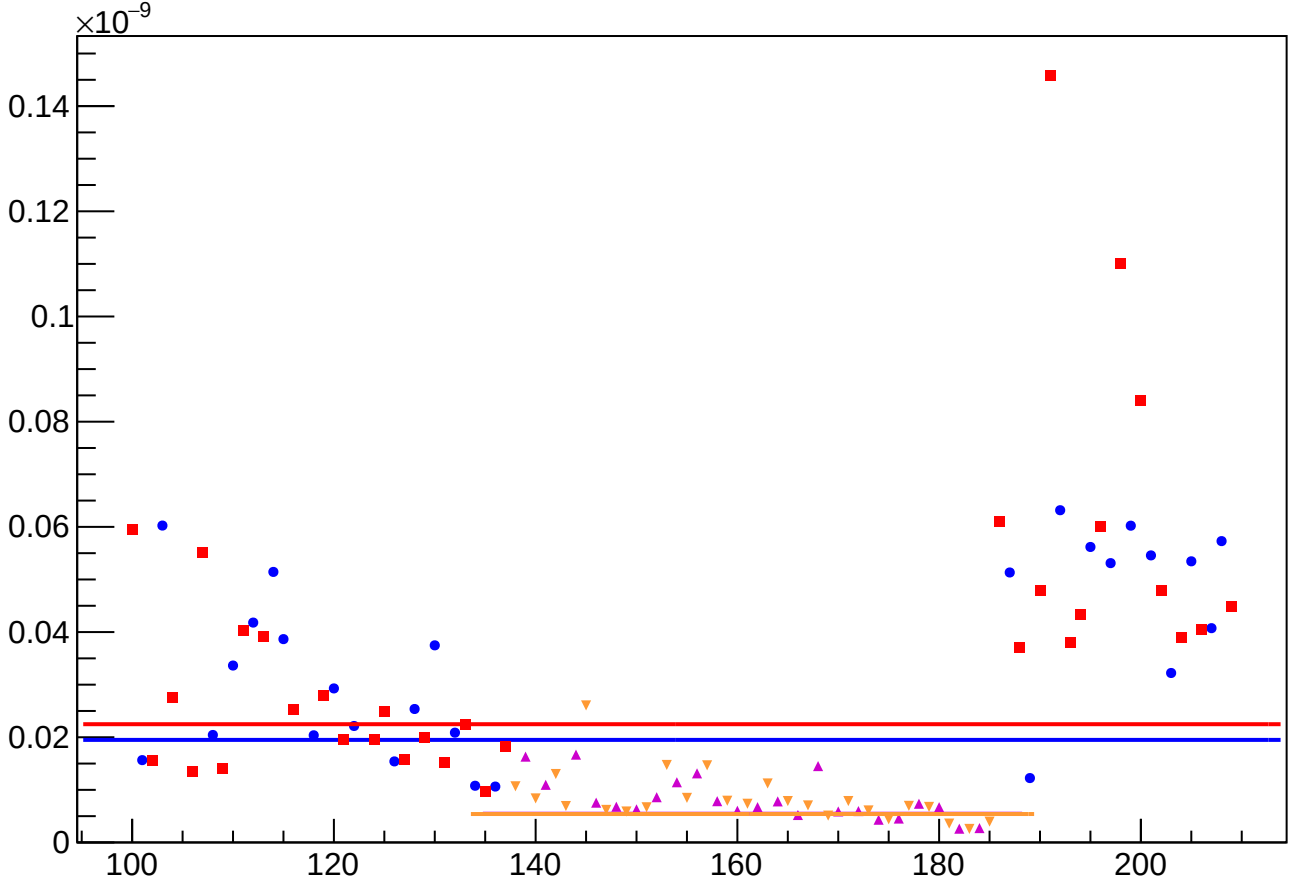
Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/31

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/51

All: 0.000+/-0.000 χ^2/NDF: 103.0/106

- sign 0.000+/-0.000 χ^2/NDF: 49.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 5697382.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4883883.7/31

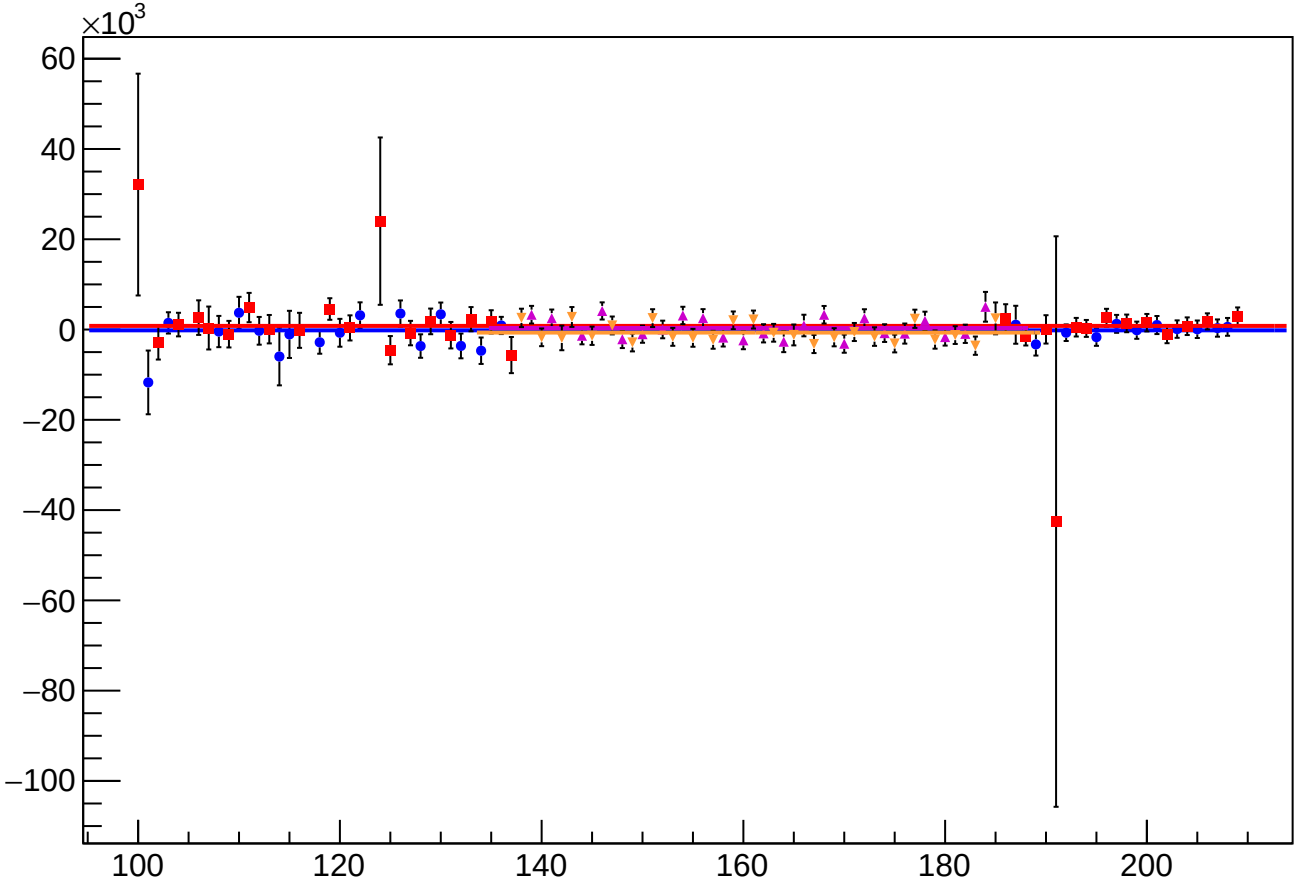
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17094509.3/51

All: 0.000+/-0.000 χ^2/NDF: 34039632.8/106

- sign 0.000+/-0.000 χ^2/NDF: 16943503.5/54

reg_asym_at1_dd_mean vs Slug



Right In: -175.675+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 806.625+/-459.920 χ^2/NDF: 21.9/31

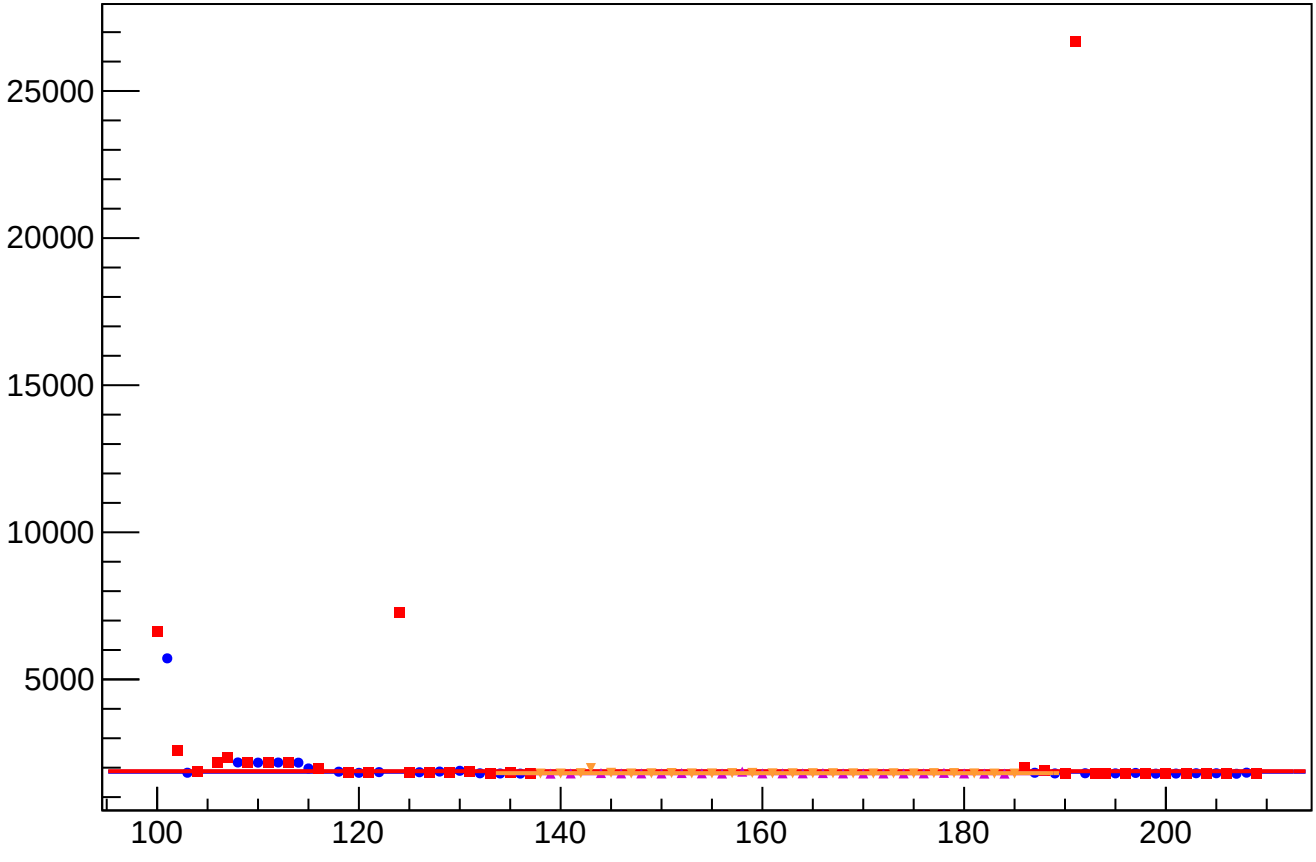
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

\+ sign -456.374+/-310.606 χ^2/NDF: 46.1/51

All: 48.440+/-219.851 χ^2/NDF: 104.0/106

\- sign 555.272+/-311.227 χ^2/NDF: 52.5/54

reg_asym_at1_dd_rms vs Slug



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.8/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1880.646+/-0.325 χ^2/NDF: 750071.1/31

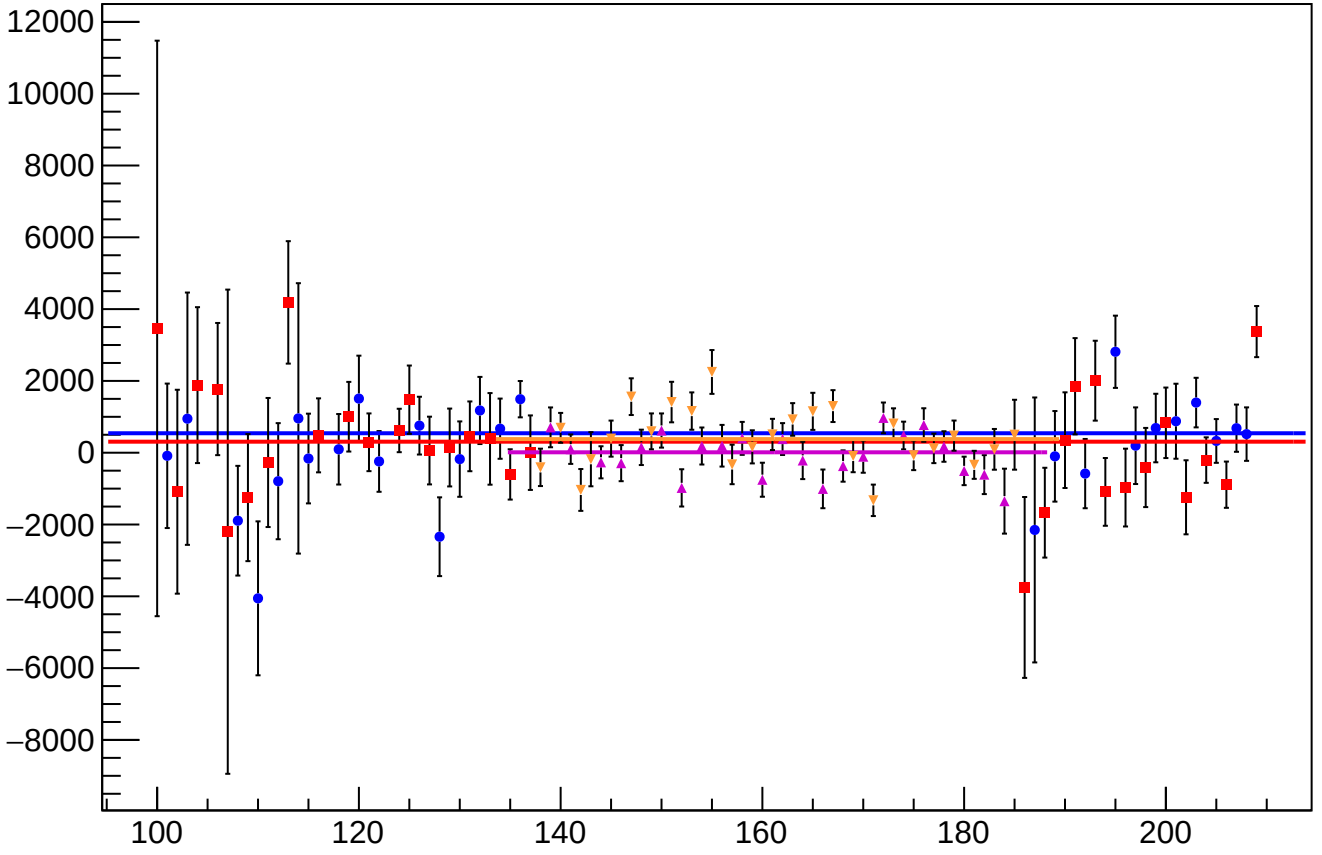
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1834.453+/-0.220 χ^2/NDF: 698594.6/51

All: 1838.517+/-0.155 χ^2/NDF: 1476569.2/10

- sign 1842.598+/-0.220 χ^2/NDF: 777288.3/54

asym_at1_dd_reg_correction_mean vs Slug



Right In: 542.327+/-184.063 χ^2/NDF: 30.6/26

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 307.274+/-182.521 χ^2/NDF: 50.0/31

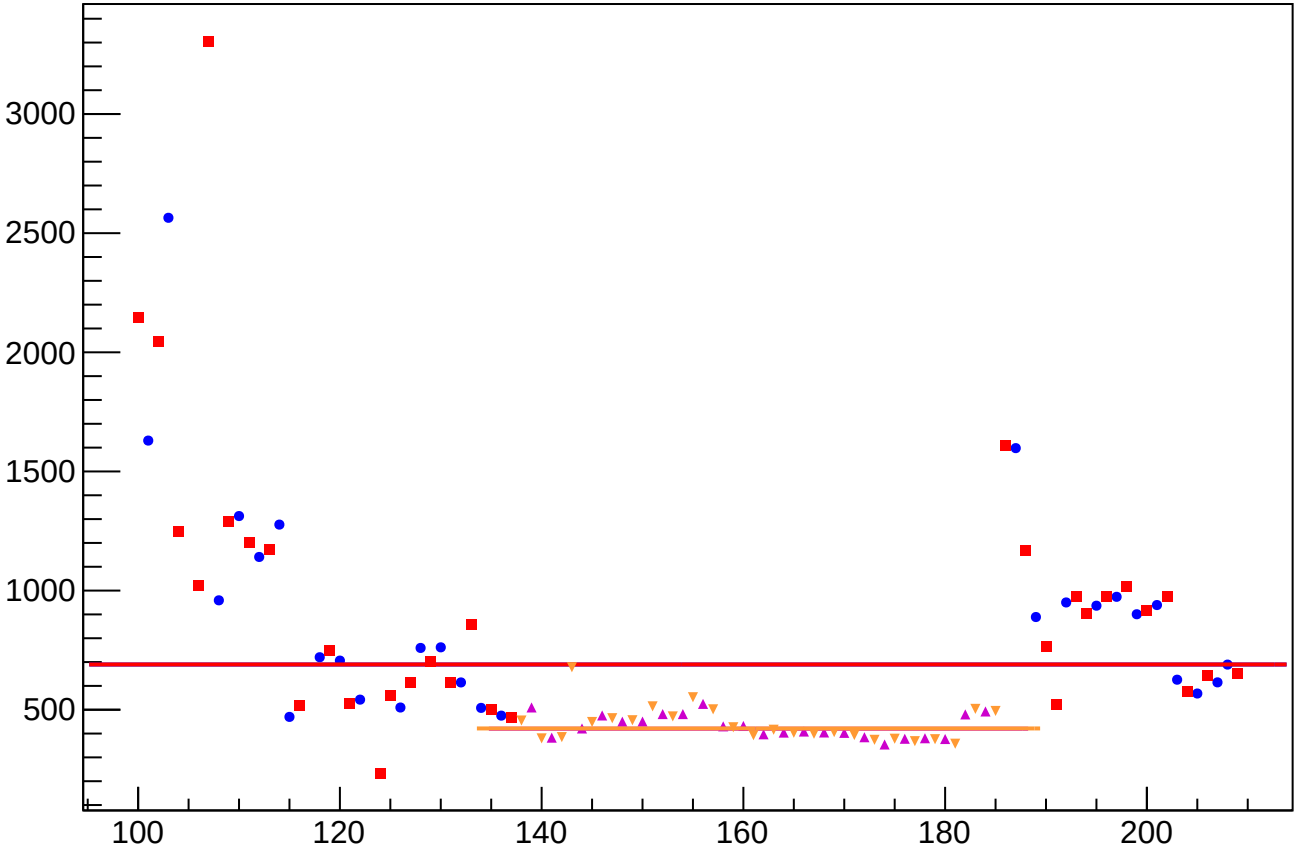
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 414.784+/-85.822 χ^2/NDF: 93.5/51

All: 249.061+/-61.100 χ^2/NDF: 184.2/106

- sign 78.732+/-87.007 χ^2/NDF: 83.1/54

asym_at1_dd_reg_correction_rms vs Slug



Right In: 689.645+/-0.130 χ^2/NDF: 3064632.8/26

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 689.984+/-0.129 χ^2/NDF: 4681208.1/31

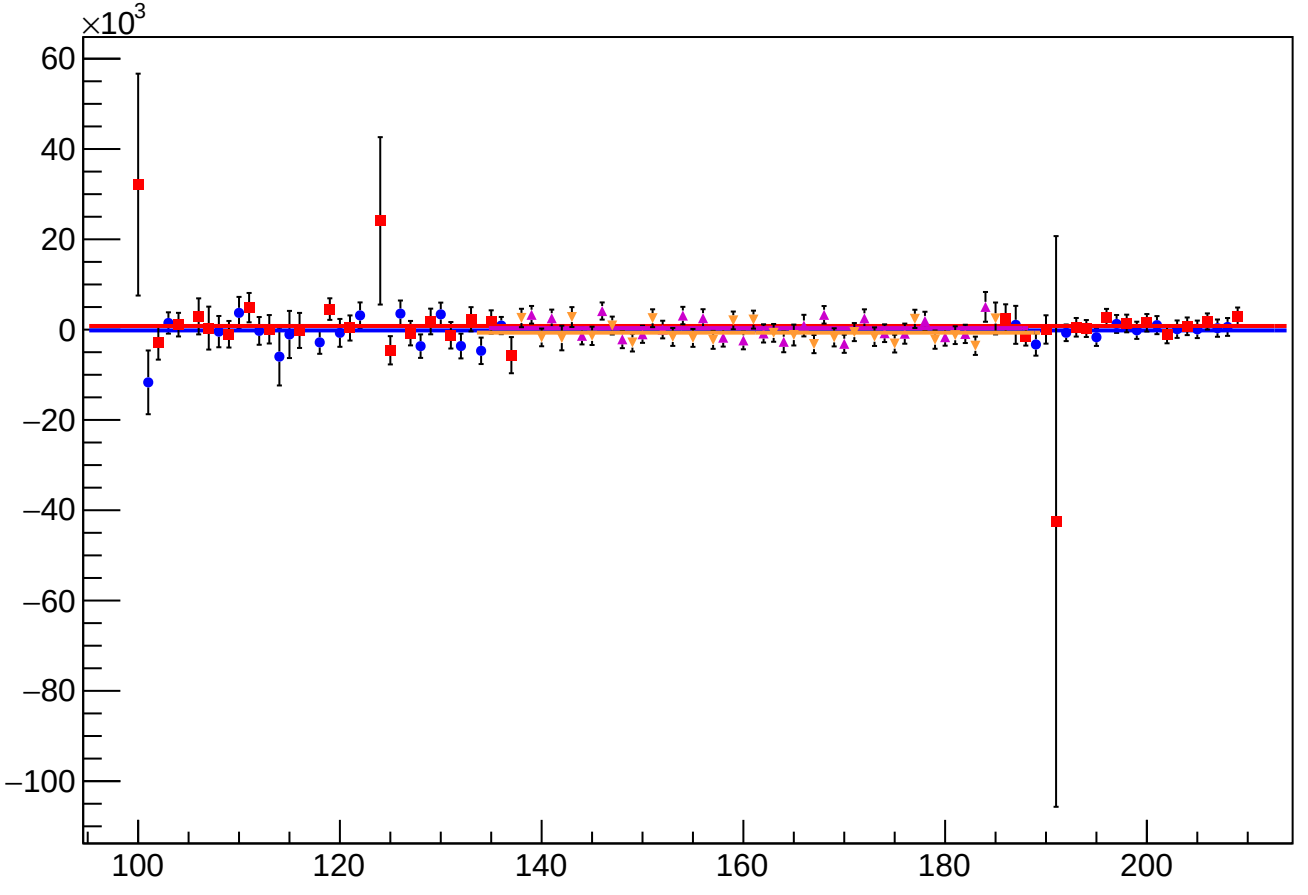
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 479.730+/-0.061 χ^2/NDF: 7131535.8/51

All: 480.614+/-0.043 χ^2/NDF: 15602368.6/10

- sign 481.522+/-0.062 χ^2/NDF: 8470402.7/54

cor_asym_at1_dd_mean vs Slug



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 808.637+/-460.182 χ^2/NDF: 22.0/31

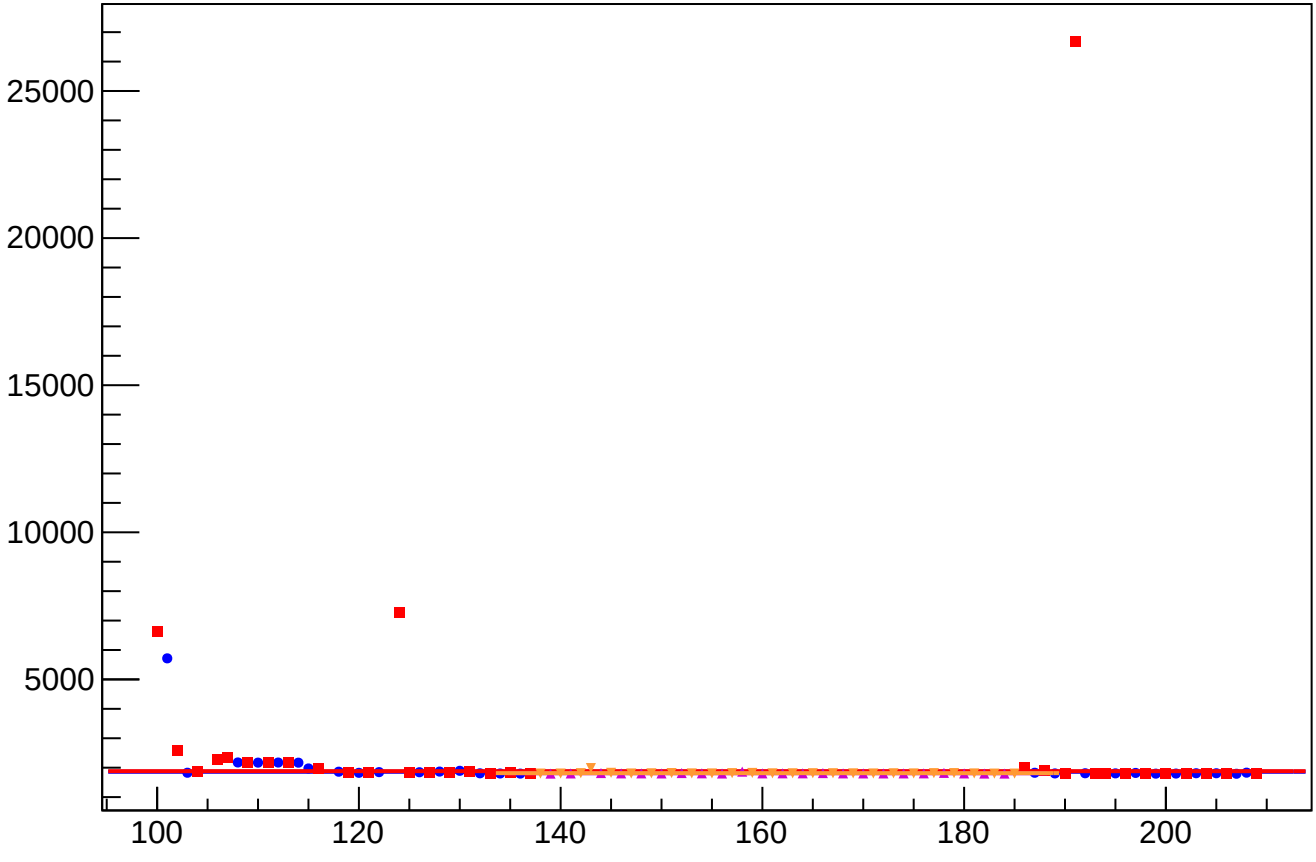
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -456.213+/-310.606 χ^2/NDF: 46.1/51

All: 48.795+/-219.879 χ^2/NDF: 104.0/106

- sign 556.087+/-311.308 χ^2/NDF: 52.6/54

cor_asym_at1_dd_rms vs Slug



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1881.385+/-0.325 χ^2/NDF: 756202.2/31

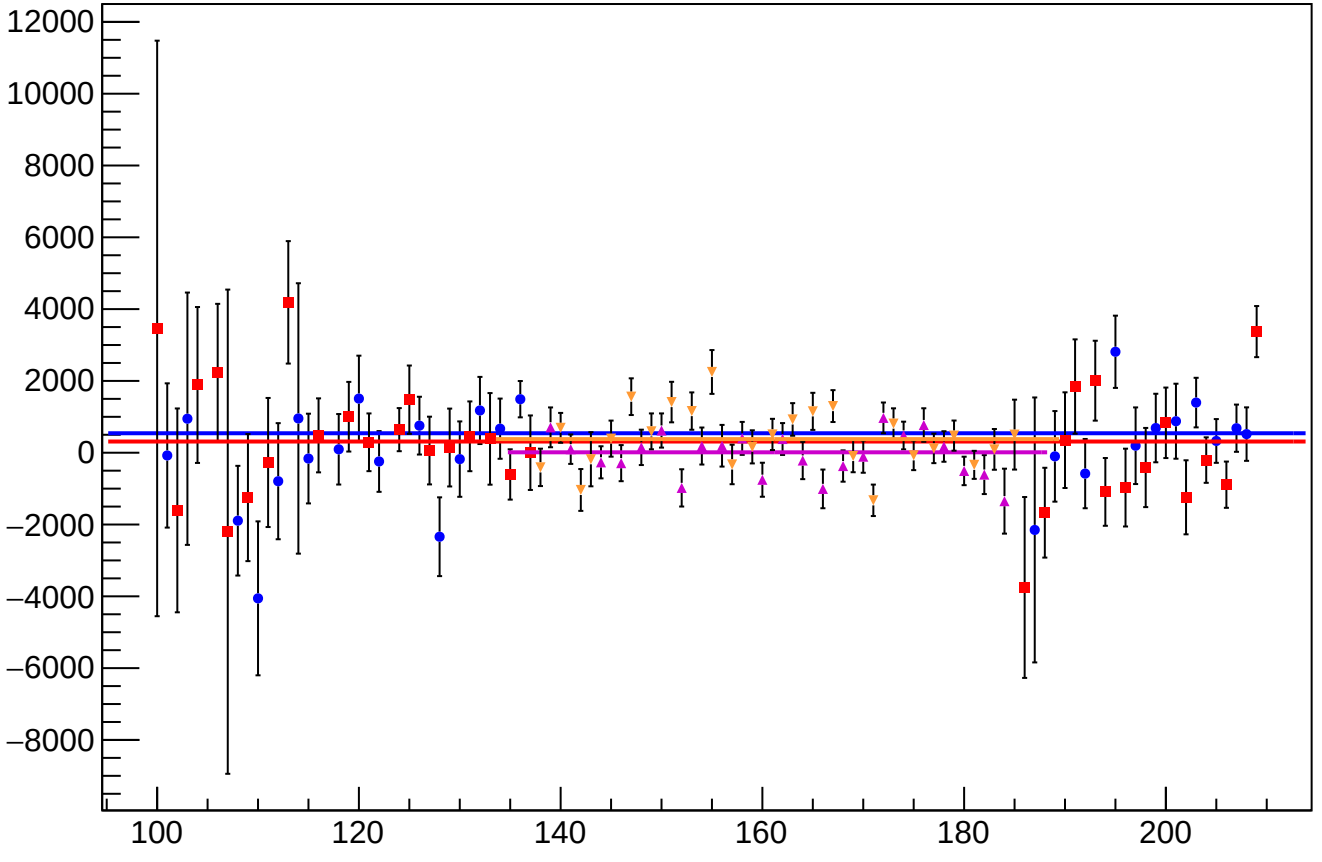
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1834.453+/-0.220 χ^2/NDF: 698594.5/51

All: 1838.675+/-0.155 χ^2/NDF: 1483273.6/10

- sign 1842.917+/-0.220 χ^2/NDF: 783938.3/54

asym_at1_dd_cor_correction_mean vs Slug



Right In: 542.366+/-184.060 χ^2/NDF: 30.6/26

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 311.877+/-182.393 χ^2/NDF: 50.6/31

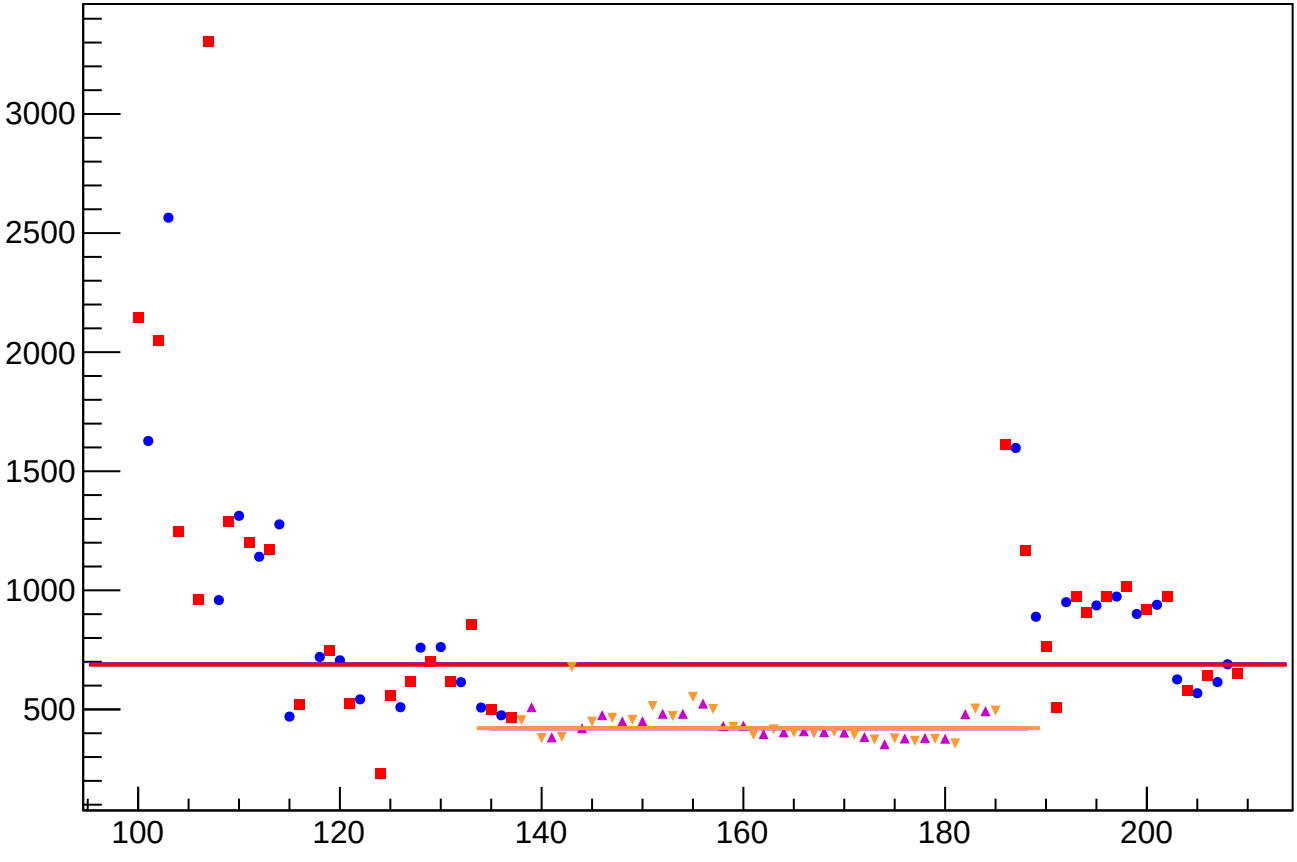
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 414.786+/-85.822 χ^2/NDF: 93.5/51

All: 249.591+/-61.095 χ^2/NDF: 184.9/106

- sign 79.861+/-86.992 χ^2/NDF: 83.9/54

asym_at1_dd_cor_correction_rms vs Slug



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 688.068+/-0.129 χ^2/NDF: 4690951.0/31

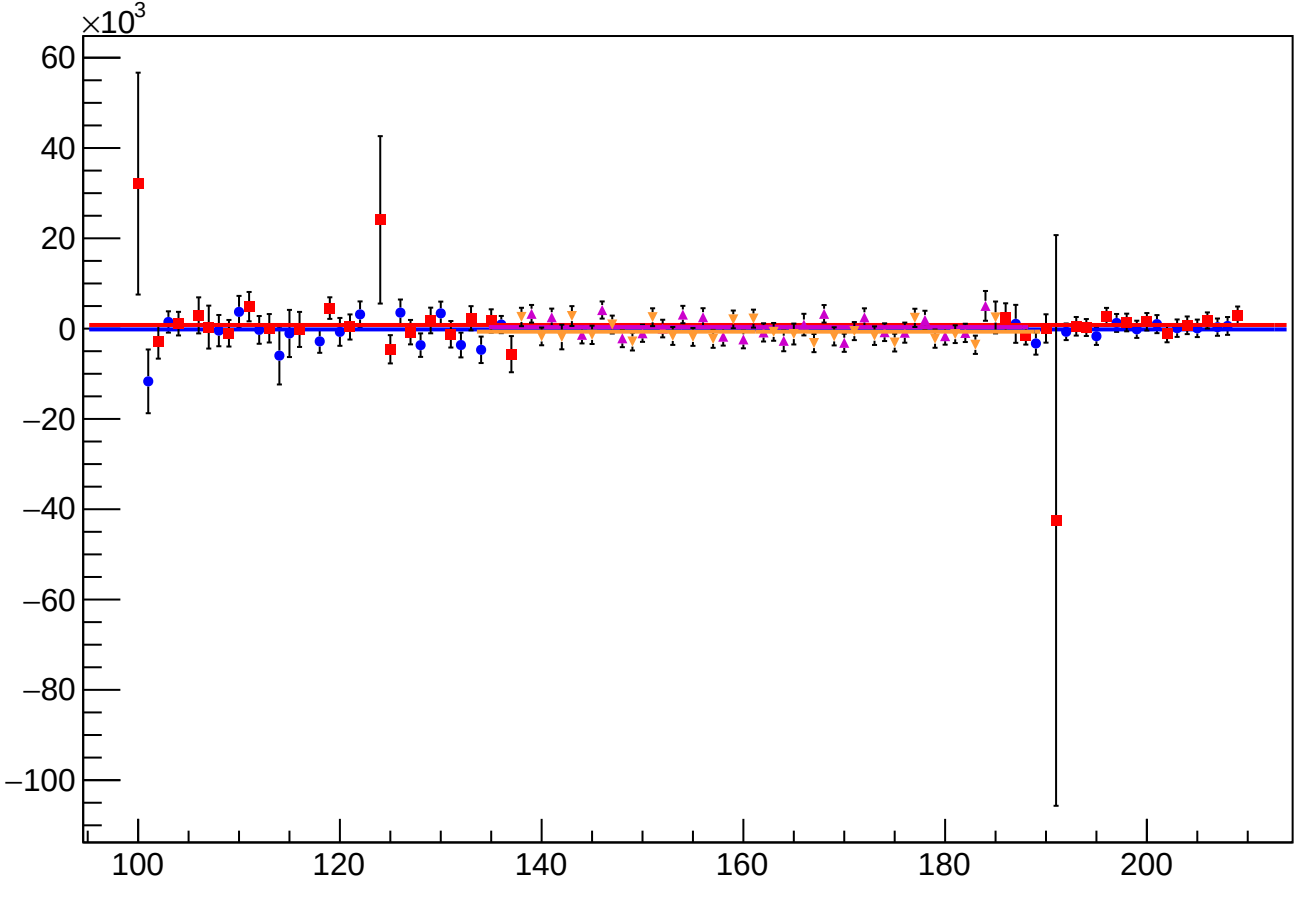
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 479.735+/-0.061 χ^2/NDF: 7130632.4/51

All: 480.432+/-0.043 χ^2/NDF: 15567021.0/10

- sign 481.149+/-0.062 χ^2/NDF: 8436120.6/54

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 808.637+/-460.182 χ^2/NDF: 22.0/31

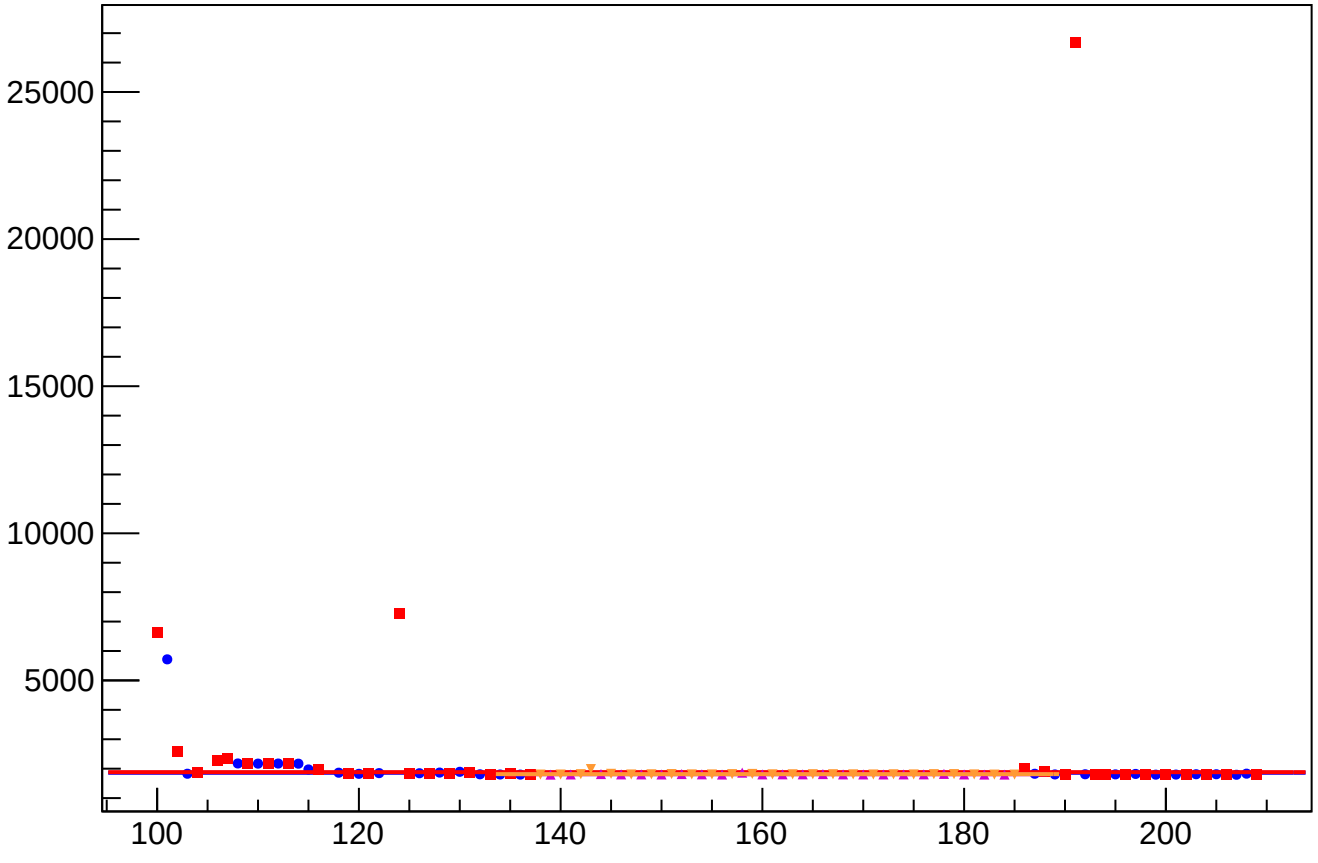
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -456.213+/-310.606 χ^2/NDF: 46.1/51

All: 48.795+/-219.879 χ^2/NDF: 104.0/106

- sign 556.087+/-311.308 χ^2/NDF: 52.6/54

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1881.385+/-0.325 χ^2/NDF: 756202.2/31

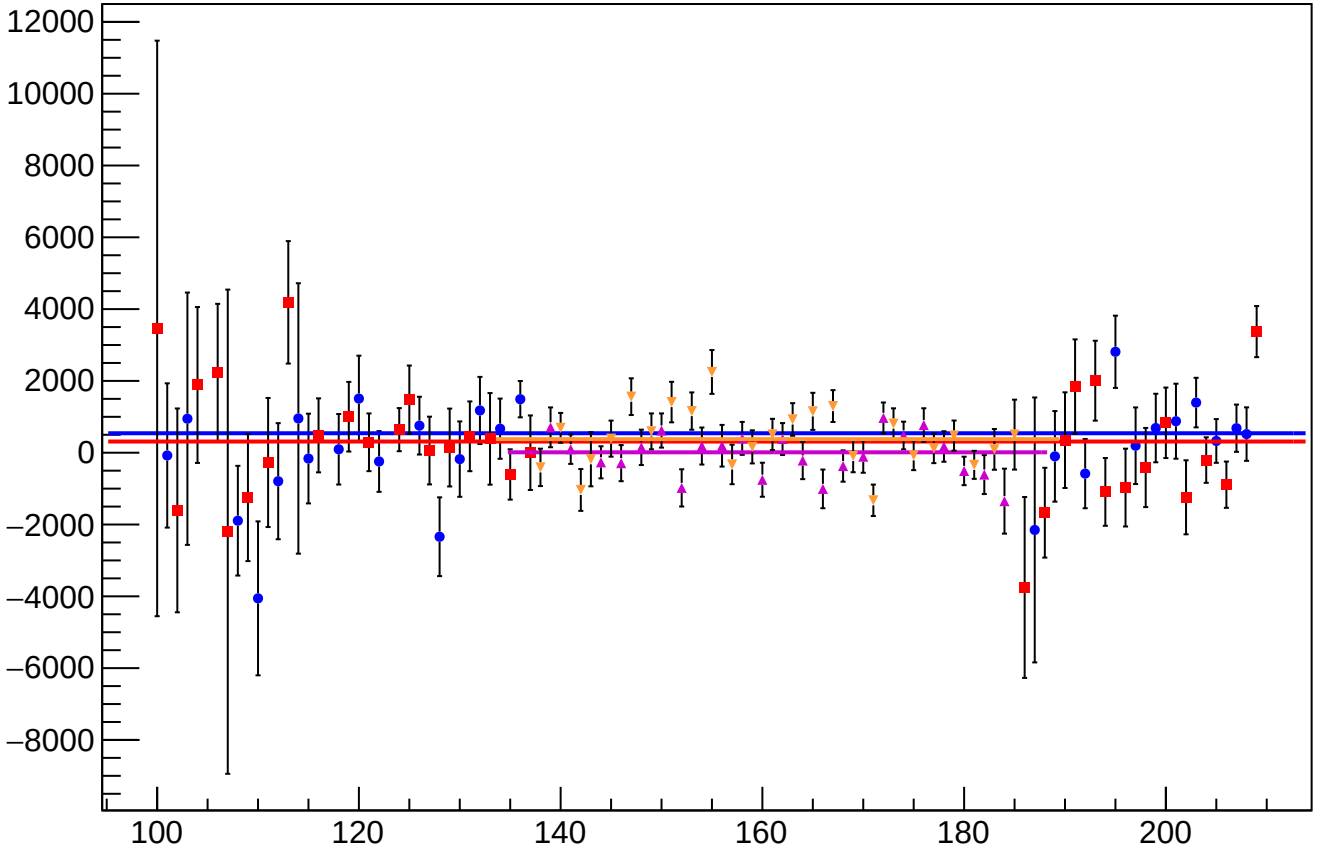
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1834.453+/-0.220 χ^2/NDF: 698594.5/51

All: 1838.675+/-0.155 χ^2/NDF: 1483273.6/10

- sign 1842.917+/-0.220 χ^2/NDF: 783938.3/54

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 542.366+/-184.060 χ^2/NDF: 30.6/26

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 311.877+/-182.393 χ^2/NDF: 50.6/31

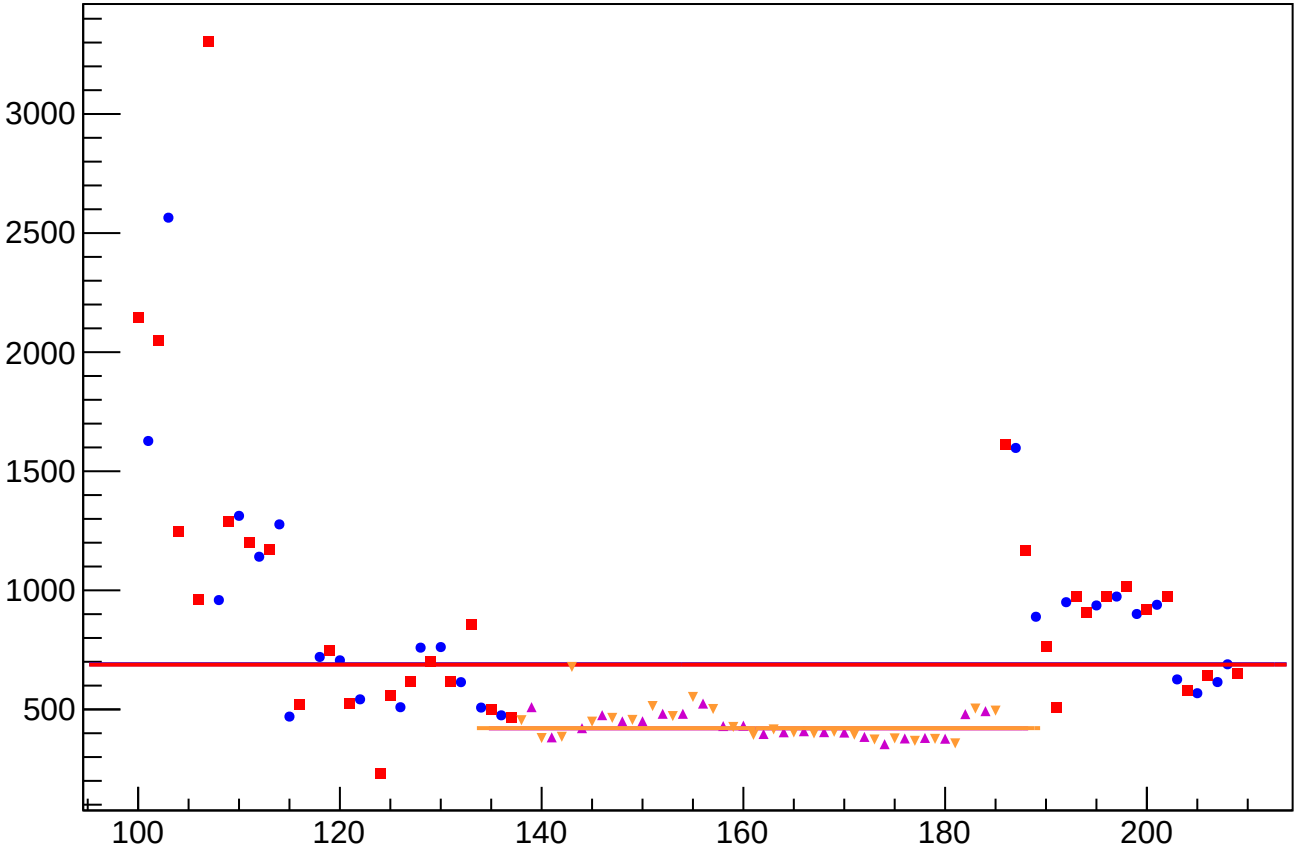
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 414.786+/-85.822 χ^2/NDF: 93.5/51

All: 249.591+/-61.095 χ^2/NDF: 184.9/106

- sign 79.861+/-86.992 χ^2/NDF: 83.9/54

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 688.068+/-0.129 χ^2/NDF: 4690951.0/31

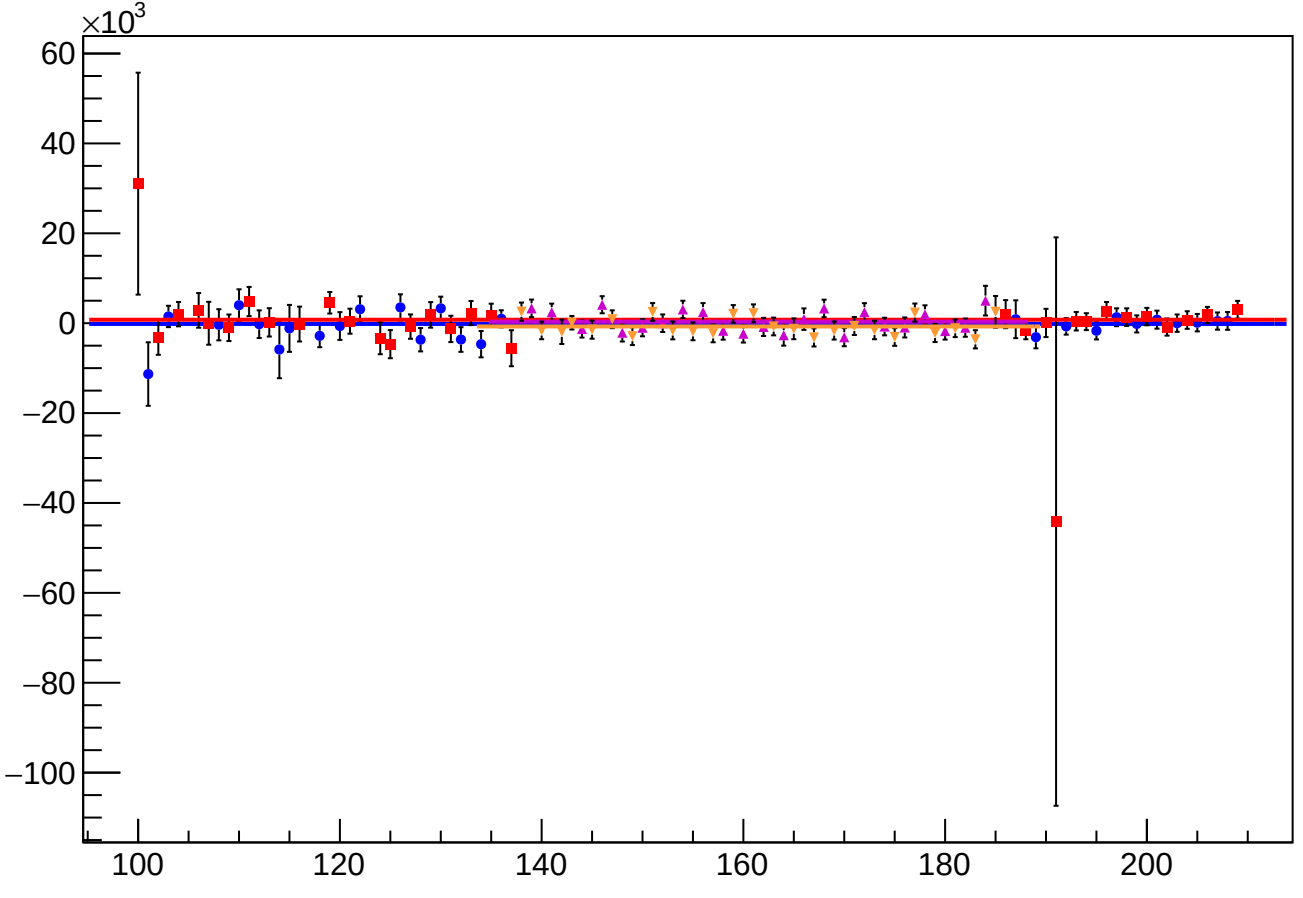
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 479.735+/-0.061 χ^2/NDF: 7130632.4/51

All: 480.432+/-0.043 χ^2/NDF: 15567021.0/10

- sign 481.149+/-0.062 χ^2/NDF: 8436120.6/54

dit_asym_at1_dd_mean vs Slug



Right In: -166.270+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 769.492+/-457.724 χ^2/NDF: 21.6/31

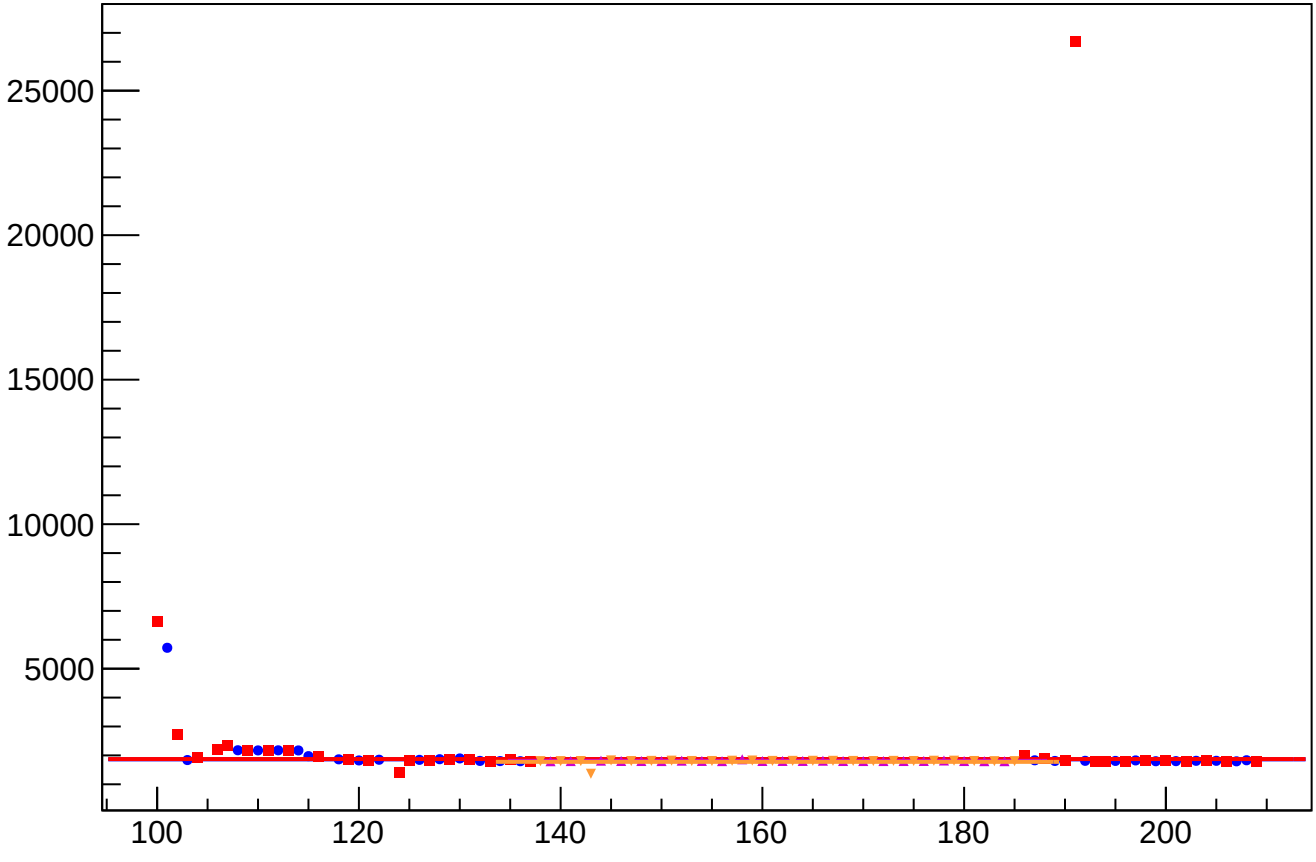
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -488.753+/-307.373 χ^2/NDF: 43.4/51

All: 19.472+/-218.478 χ^2/NDF: 100.5/106

- sign 538.427+/-310.601 χ^2/NDF: 51.6/54

dit_asym_at1_dd_rms vs Slug



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1873.255+/-0.324 χ^2/NDF: 632504.3/31

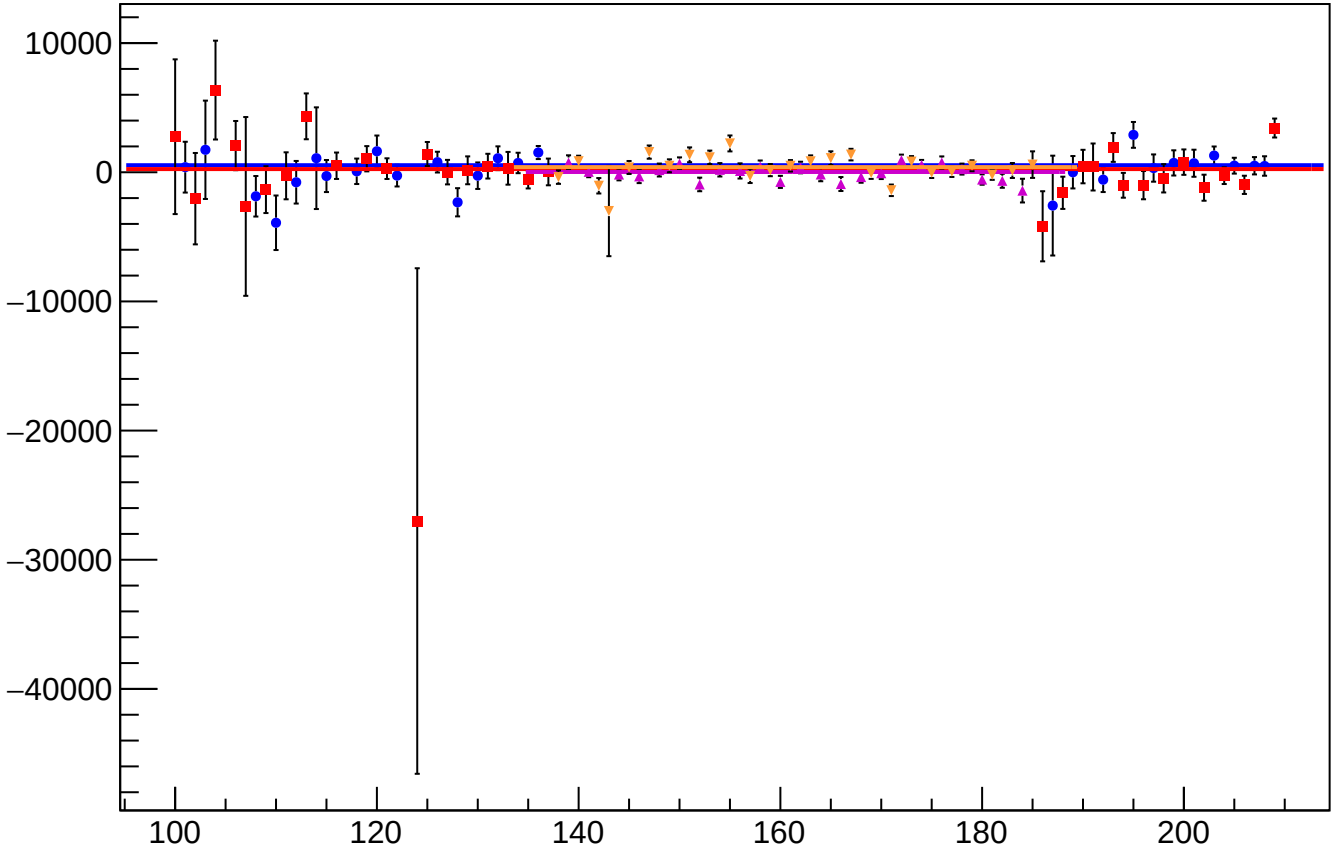
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.010+/-0.217 χ^2/NDF: 873728.4/51

All: 1826.221+/-0.154 χ^2/NDF: 1535573.0/10

- sign 1839.711+/-0.220 χ^2/NDF: 654377.1/54

asym_at1_dd_dit_correction_mean vs Slug



Right In: 546.053+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 246.081+/-194.981 χ^2/NDF: 51.4/31

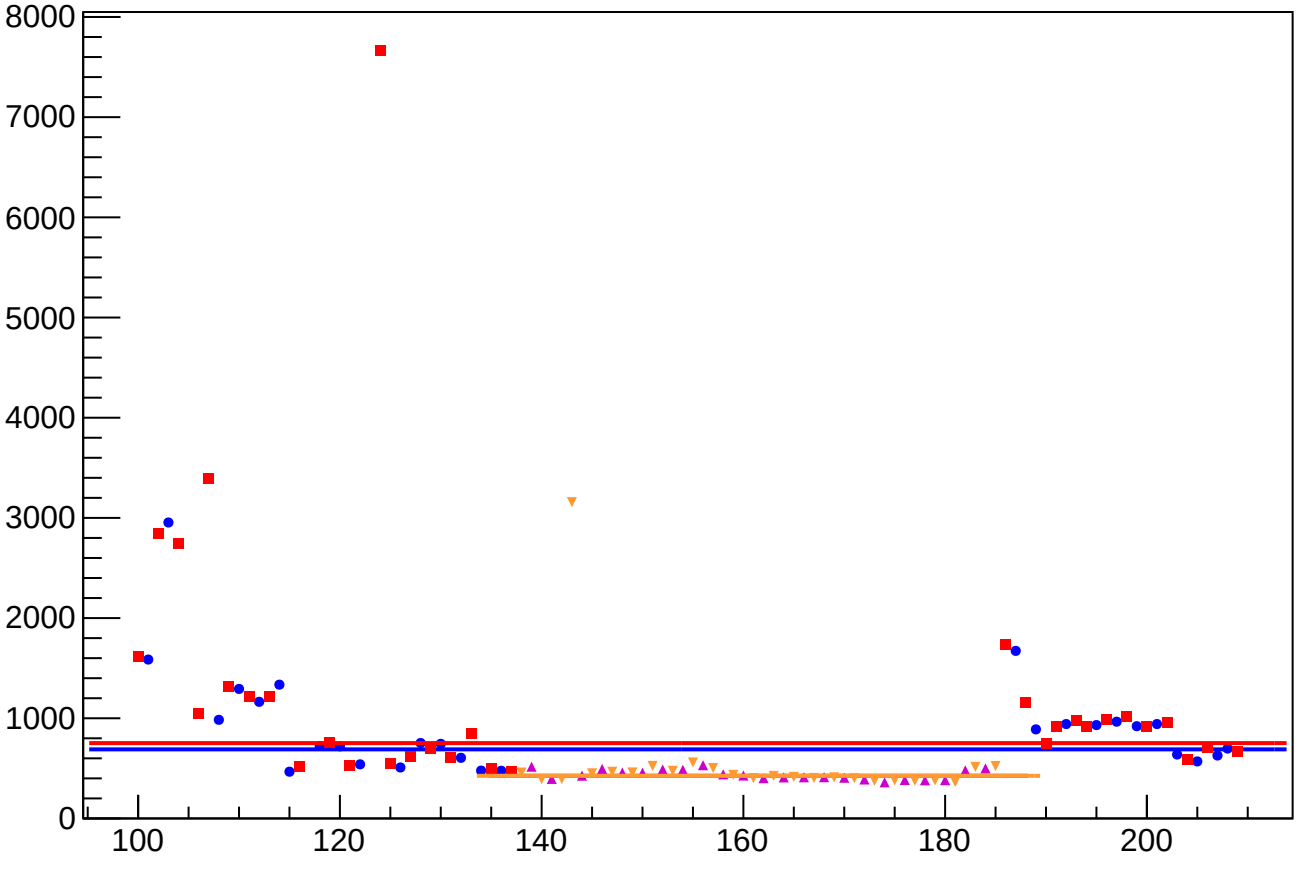
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 431.498+/-87.307 χ^2/NDF: 91.7/51

All: 253.786+/-62.382 χ^2/NDF: 183.4/106

- sign 68.429+/-89.166 χ^2/NDF: 83.3/54

asym_at1_dd_dit_correction_rms vs Slug



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 752.214+/-0.138 χ^2/NDF: 4352671.2/31

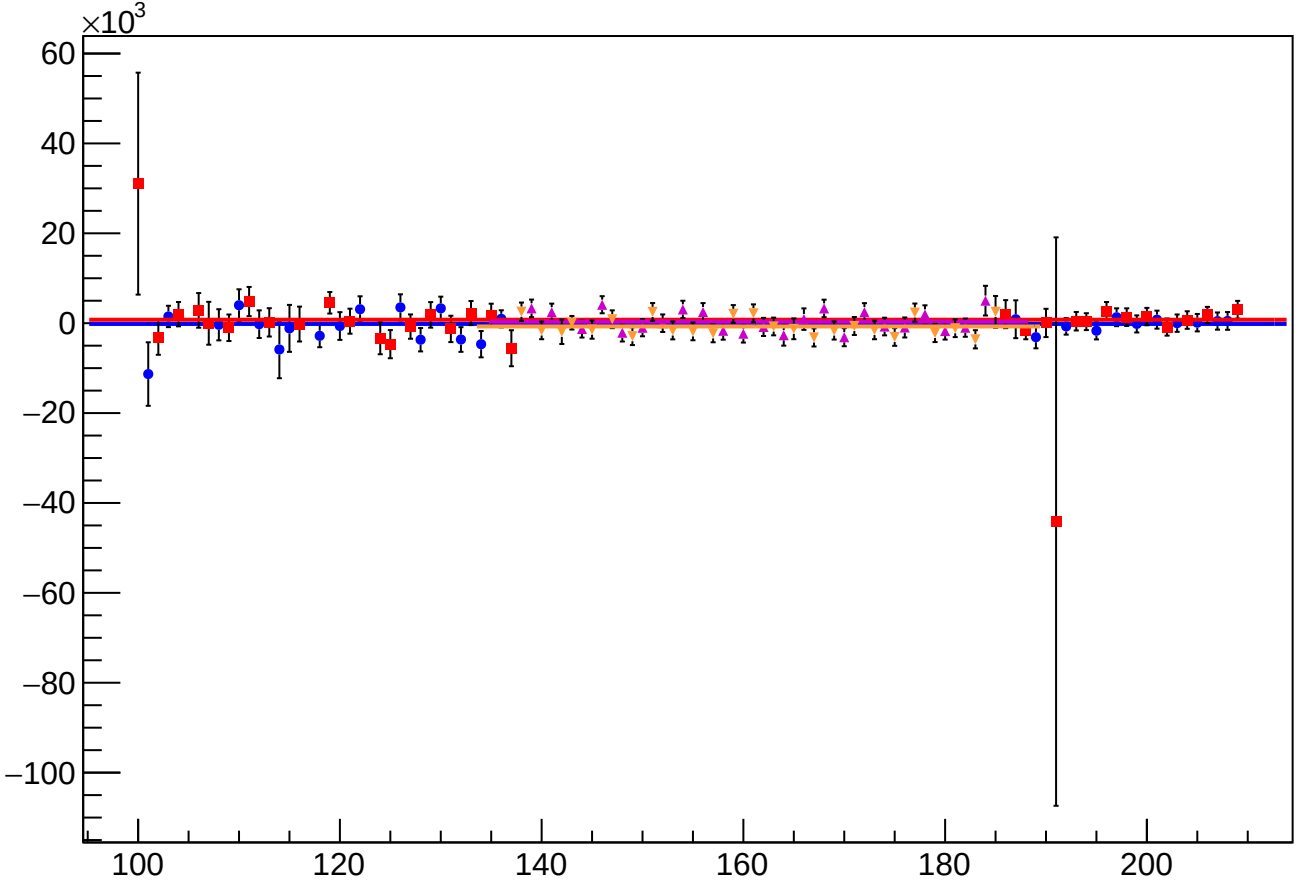
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 485.023+/-0.062 χ^2/NDF: 8147357.4/51

All: 489.581+/-0.044 χ^2/NDF: 17350143.5/10

- sign 494.335+/-0.063 χ^2/NDF: 9191650.3/54

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -166.271+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 769.492+/-457.724 χ^2/NDF: 21.6/31

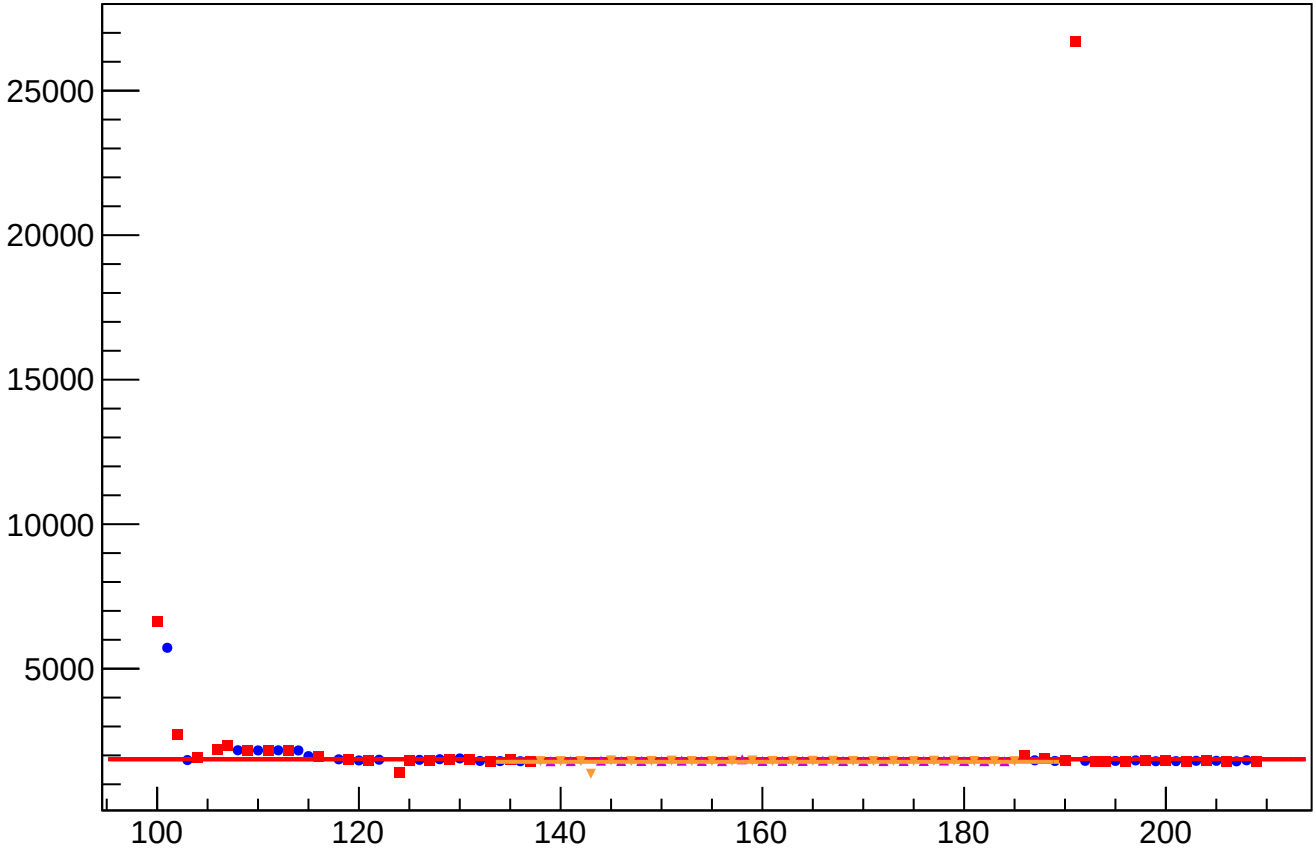
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -488.754+/-307.373 χ^2/NDF: 43.4/51

All: 19.471+/-218.478 χ^2/NDF: 100.5/106

- sign 538.427+/-310.601 χ^2/NDF: 51.6/54

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1873.255+/-0.324 χ^2/NDF: 632504.1/31

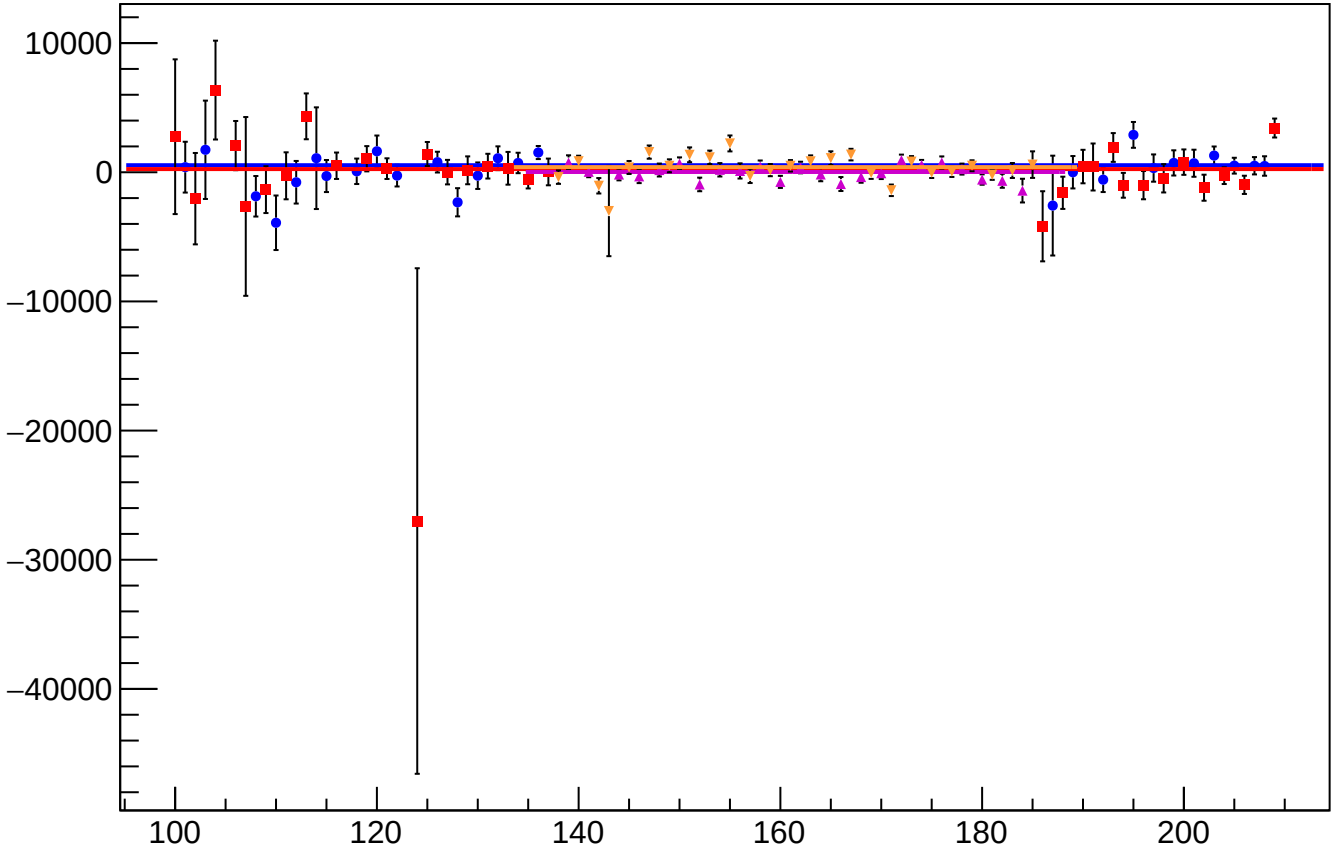
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.010+/-0.217 χ^2/NDF: 873728.4/51

All: 1826.221+/-0.154 χ^2/NDF: 1535572.8/10

- sign 1839.711+/-0.220 χ^2/NDF: 654376.9/54

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 546.052+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 246.081+/-194.981 χ^2/NDF: 51.4/31

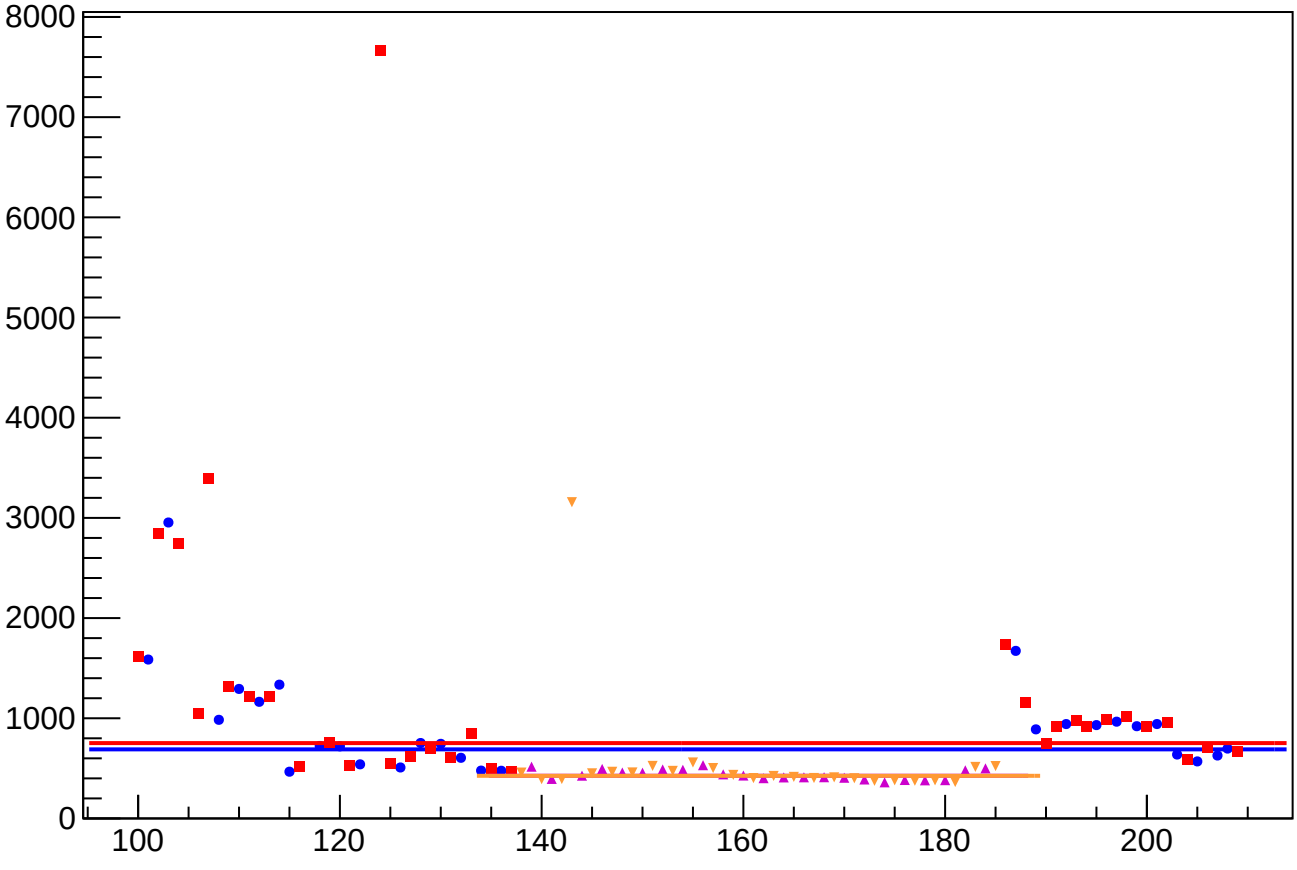
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 431.497+/-87.307 χ^2/NDF: 91.7/51

All: 253.786+/-62.382 χ^2/NDF: 183.4/106

- sign 68.428+/-89.166 χ^2/NDF: 83.3/54

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 752.214+/-0.138 χ^2/NDF: 4352671.6/31

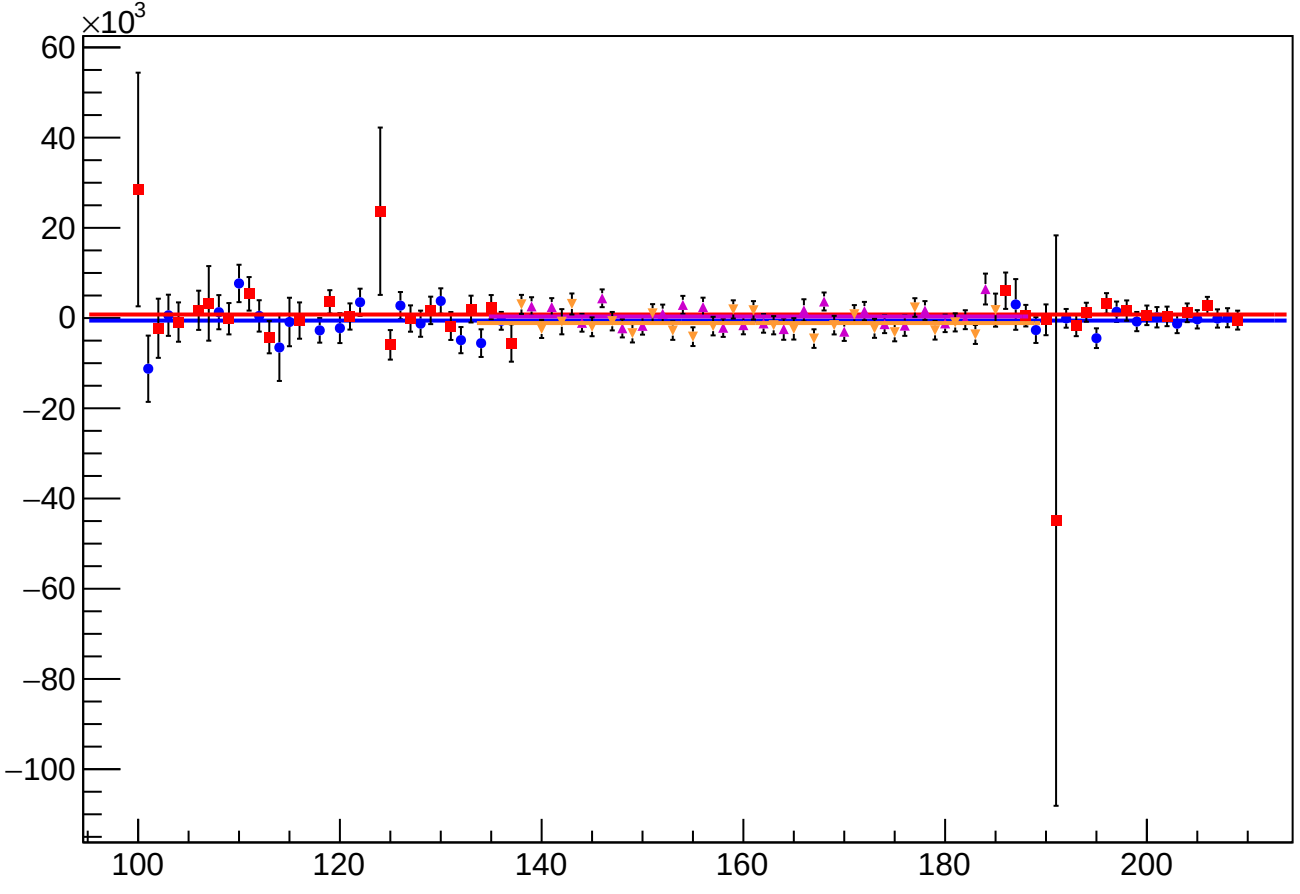
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 485.023+/-0.062 χ^2/NDF: 8147370.6/51

All: 489.581+/-0.044 χ^2/NDF: 17350171.6/10

- sign 494.335+/-0.063 χ^2/NDF: 9191665.1/54

asym_at1_dd_mean vs Slug



Right In: -555.564+/-523.337 χ^2/NDF: 23.7/26

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 788.486+/-517.922 χ^2/NDF: 22.4/31

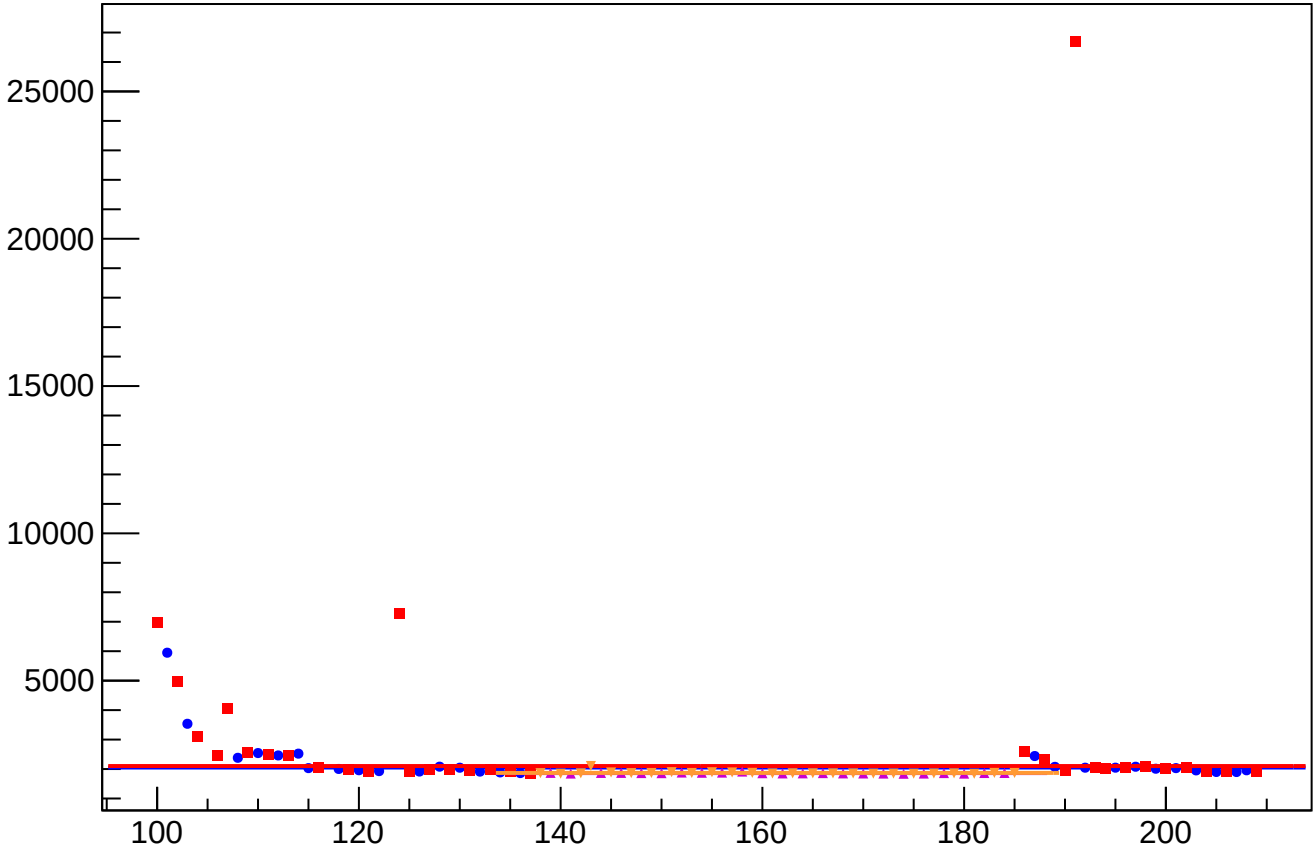
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -887.344+/-329.749 χ^2/NDF: 52.4/51

All: -186.007+/-234.335 χ^2/NDF: 113.1/106

- sign 529.550+/-333.075 χ^2/NDF: 51.6/54

asym_at1_dd_rms vs Slug



Right In: 2051.940+/-0.370 χ^2/NDF: 933880.2/26

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2101.440+/-0.366 χ^2/NDF: 1378621.8/31

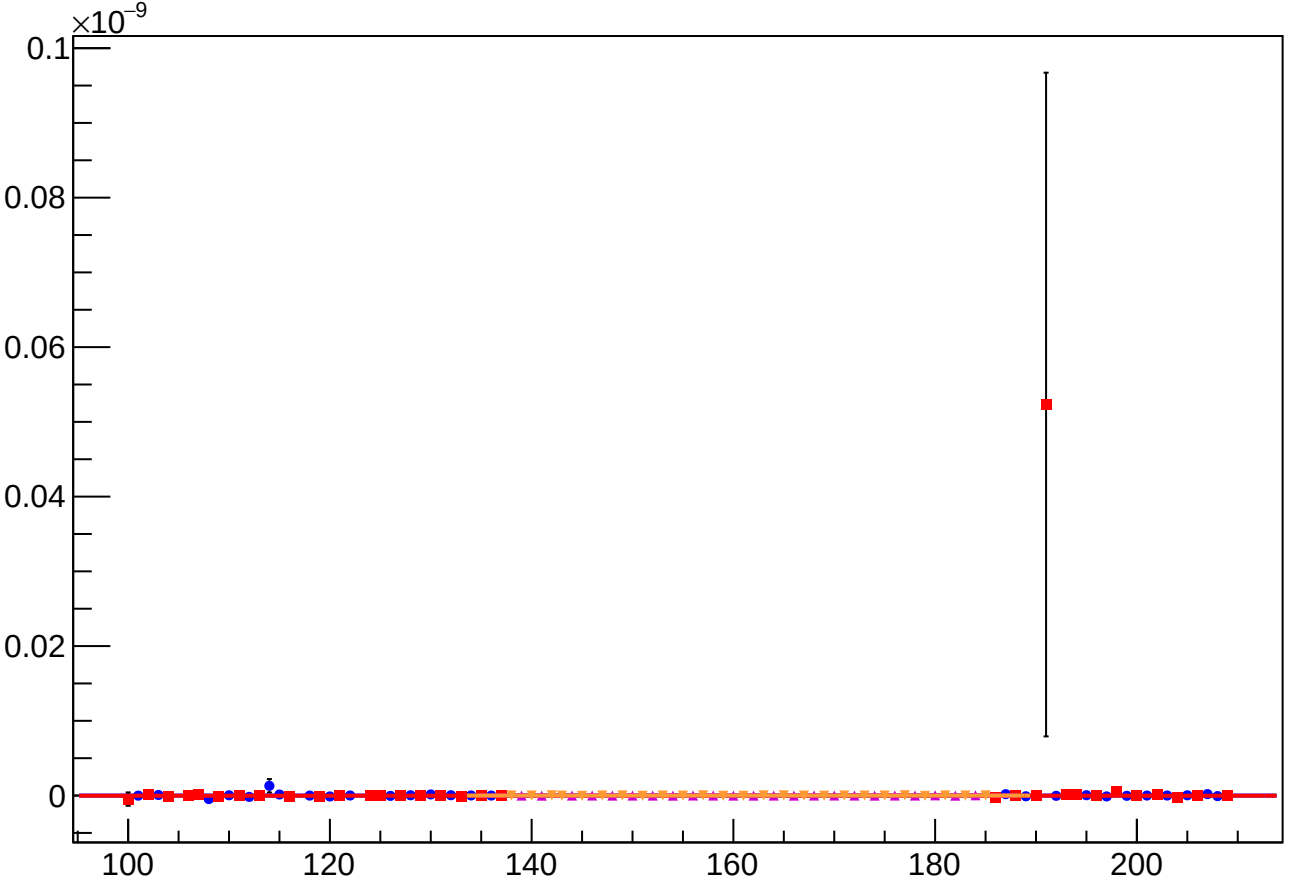
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1941.594+/-0.233 χ^2/NDF: 1104654.1/51

All: 1951.453+/-0.166 χ^2/NDF: 2738544.9/10

- sign 1961.513+/-0.236 χ^2/NDF: 1630278.4/54

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

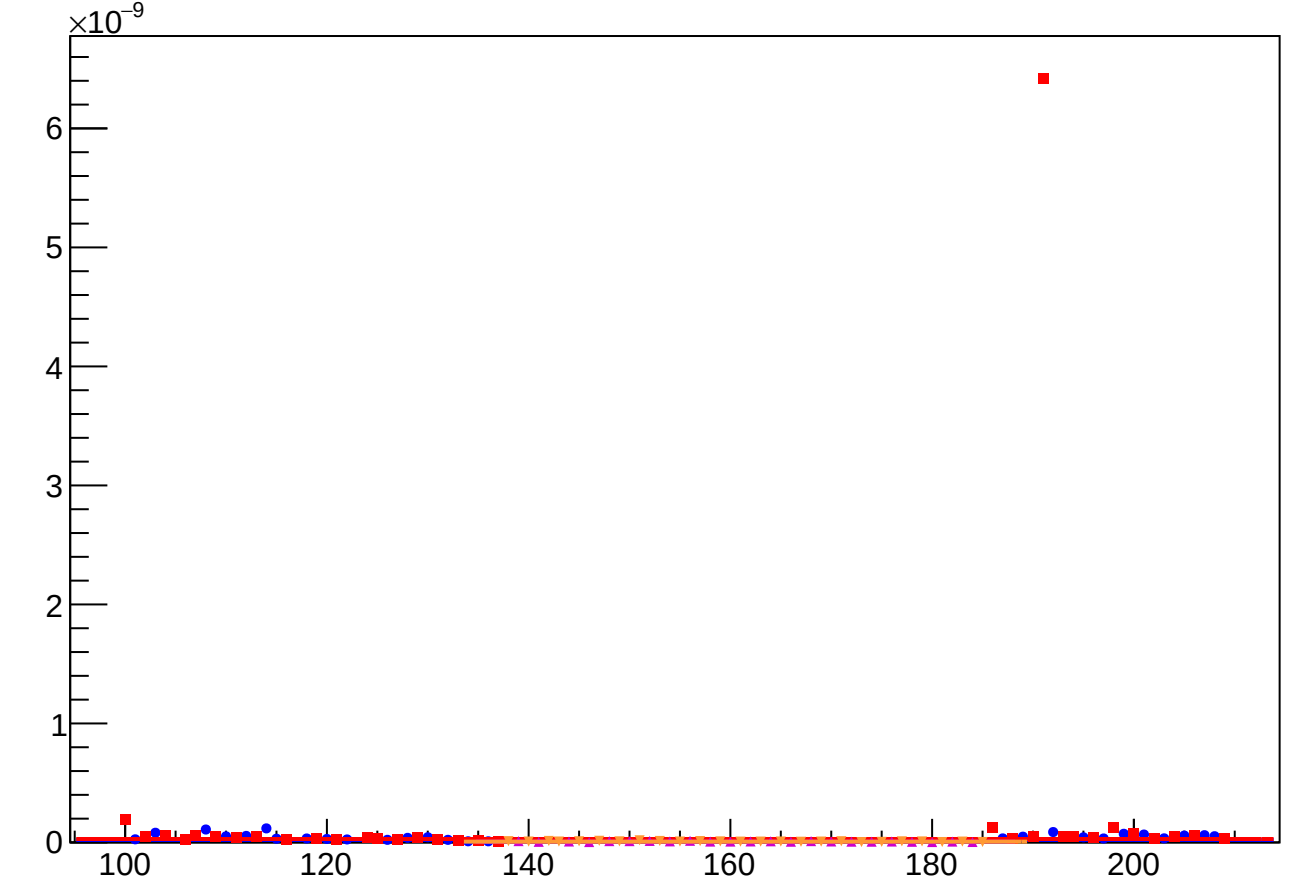
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/31

Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.9/51

All: 0.000+/-0.000 χ^2/NDF: 122.3/106

- sign 0.000+/-0.000 χ^2/NDF: 52.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 5100651.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3339760.0/31

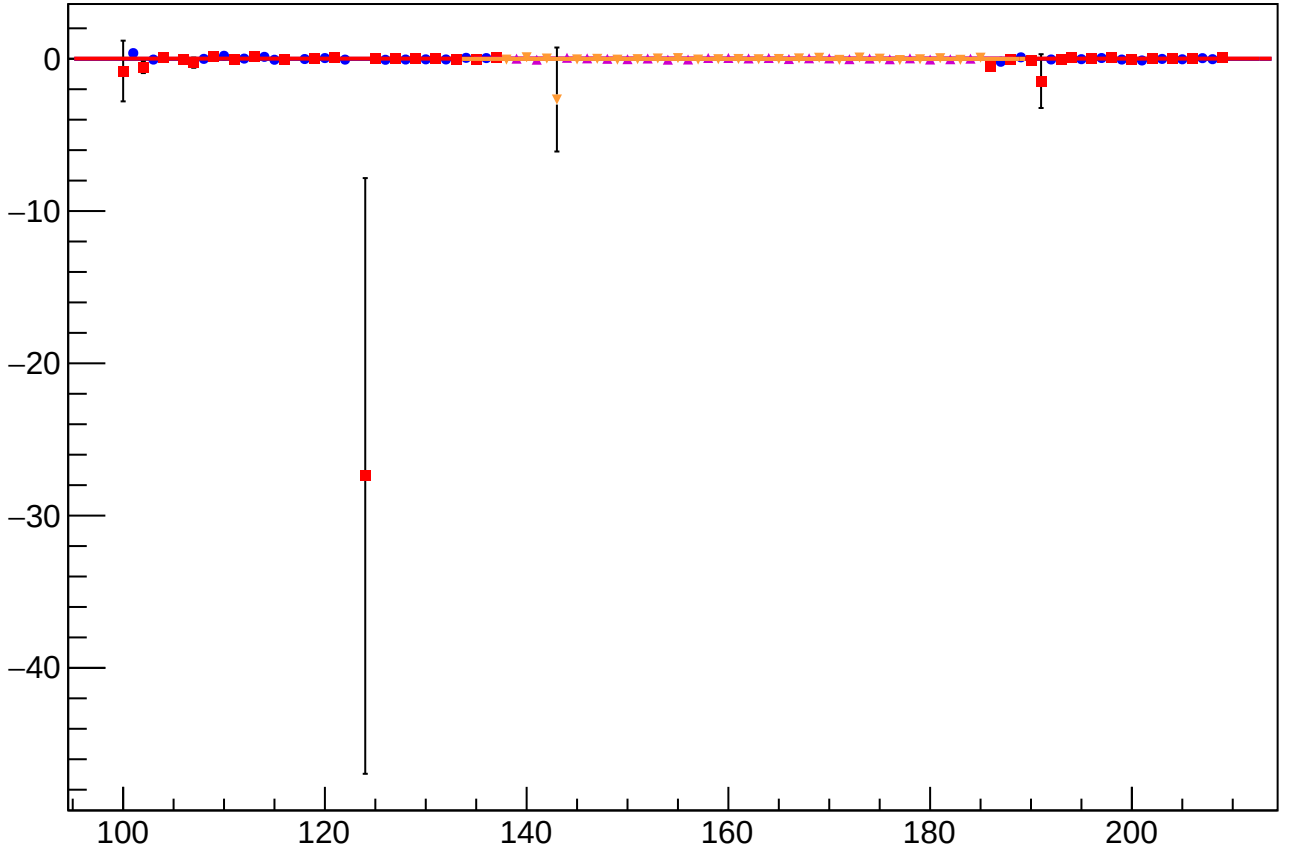
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10017909.8/51

All: 0.000+/-0.000 χ^2/NDF: 19995827.0/106

- sign 0.000+/-0.000 χ^2/NDF: 9974045.7/54

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.012 χ^2/NDF: 27.6/31

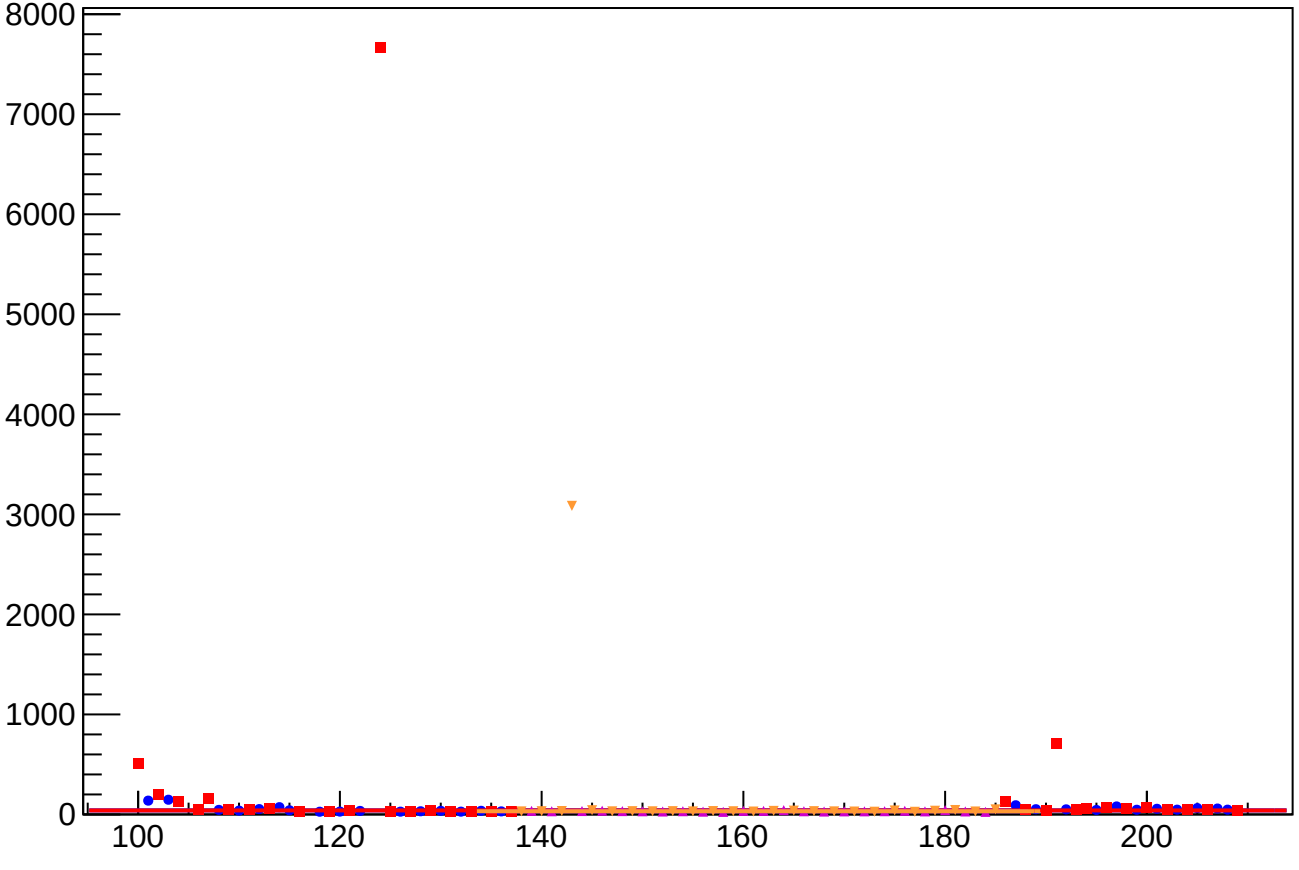
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 119.1/106

- sign 0.006+/-0.007 χ^2/NDF: 48.6/54

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

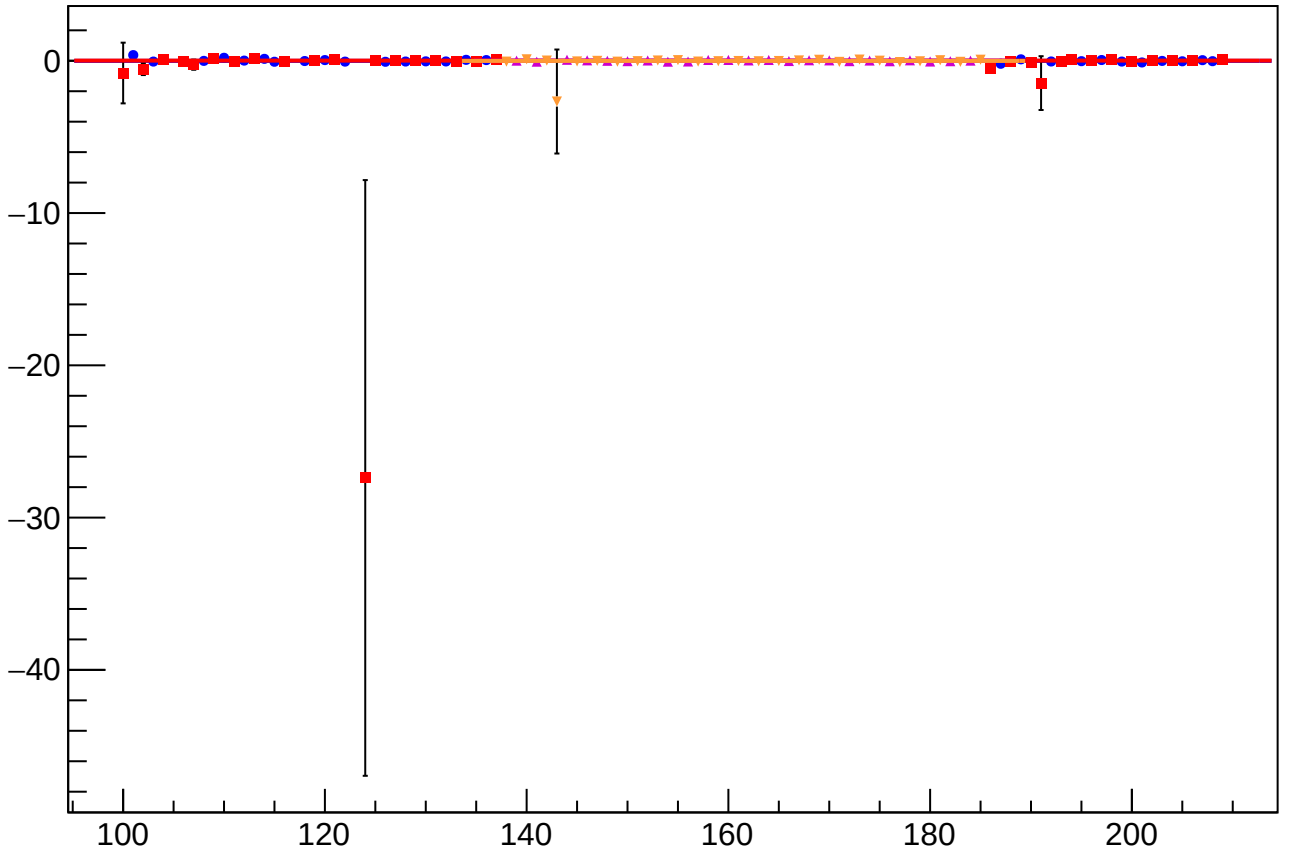
Right Out: 40.336+/-0.008 χ^2/NDF: 4278583.2/31

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.050+/-0.005 χ^2/NDF: 6083944.0/51

All: 35.076+/-0.003 χ^2/NDF: 11406638.6/106

- sign 35.102+/-0.005 χ^2/NDF: 5322633.4/54



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.012 χ^2/NDF: 27.6/31

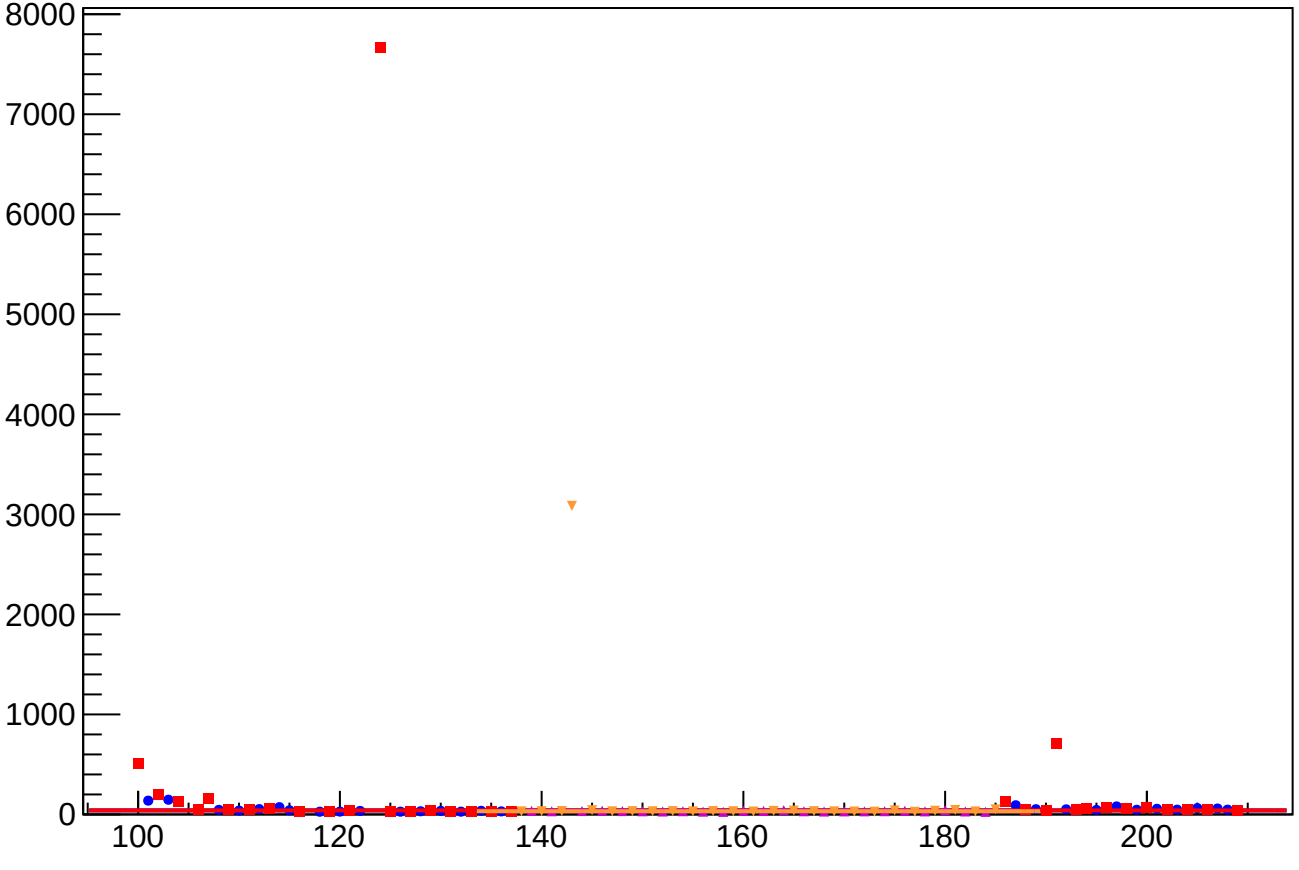
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 119.1/106

- sign 0.006+/-0.007 χ^2/NDF: 48.6/54

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

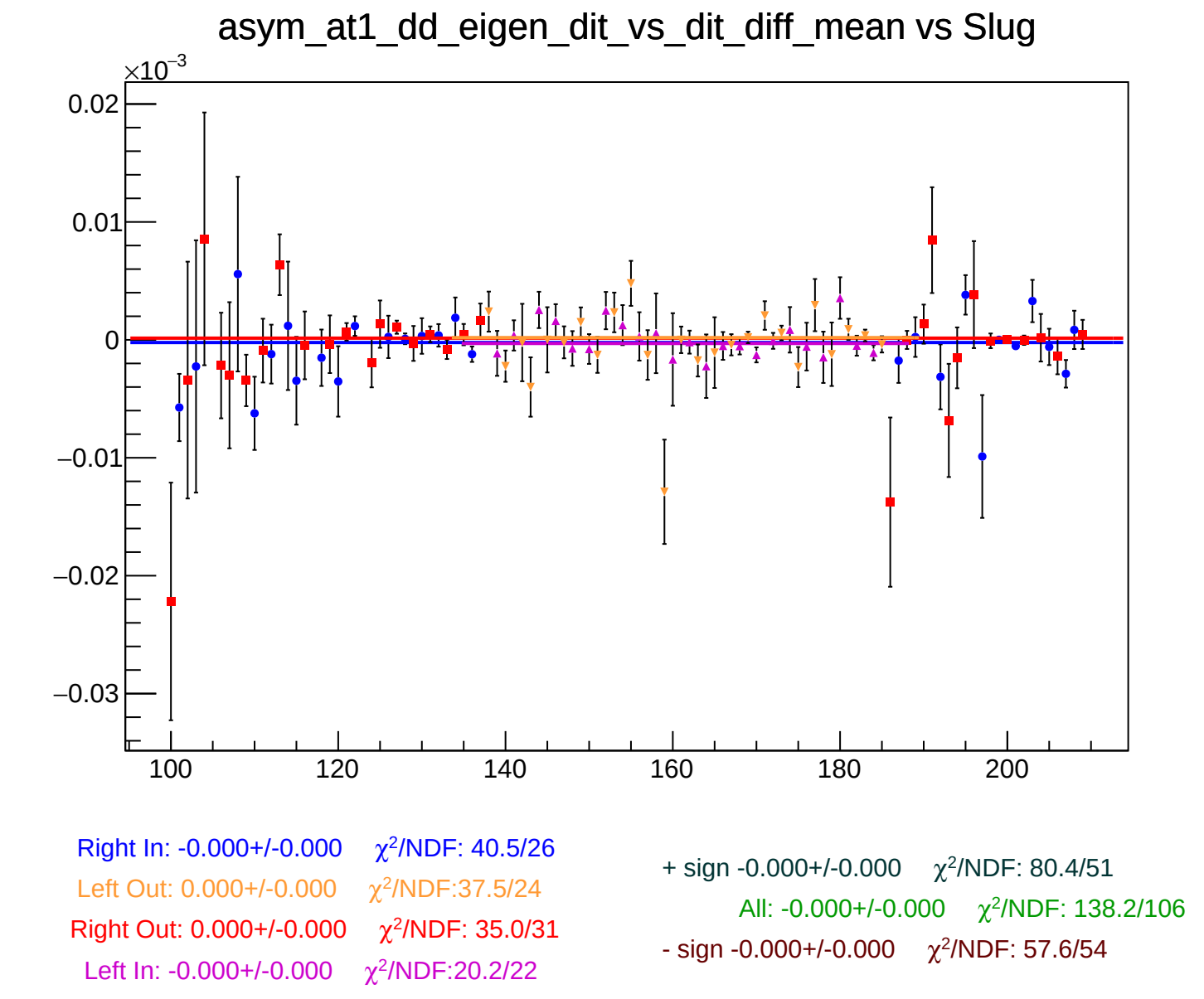
Right Out: 40.336+/-0.008 χ^2/NDF: 4278583.2/31

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

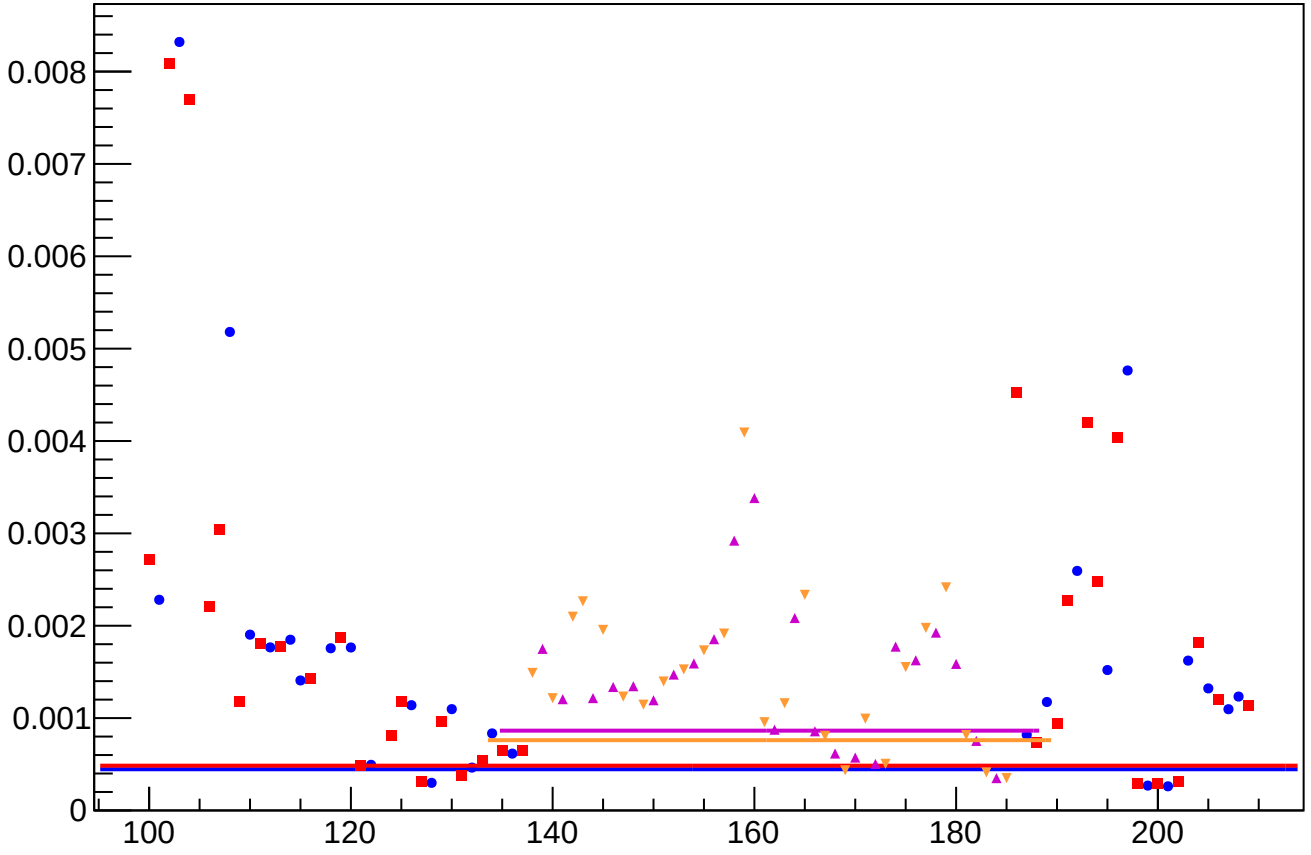
+ sign 35.050+/-0.005 χ^2/NDF: 6083944.0/51

All: 35.076+/-0.003 χ^2/NDF: 11406638.6/106

- sign 35.102+/-0.005 χ^2/NDF: 5322633.4/54


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 40.5/26
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.0/31
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign -0.000+/-0.000 χ²/NDF: 80.4/51
All: -0.000+/-0.000 χ²/NDF: 138.2/106
- sign -0.000+/-0.000 χ²/NDF: 57.6/54

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13965187.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

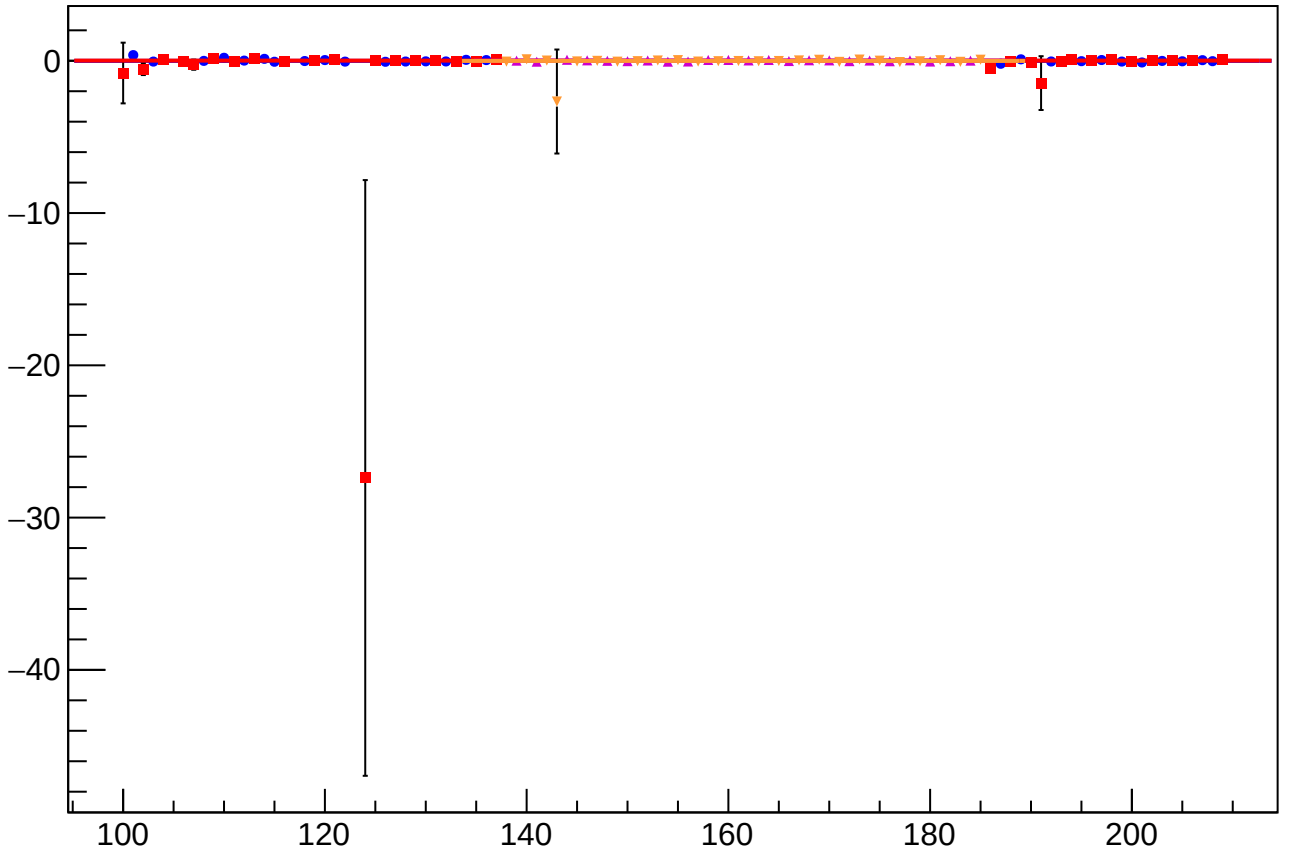
Right Out: 0.000+/-0.000 χ^2/NDF: 13854795.6/31

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 27841478.1/51

All: 0.001+/-0.000 χ^2/NDF: 53631008.7/106

- sign 0.001+/-0.000 χ^2/NDF: 25654637.1/54



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.010+/-0.012 χ^2/NDF: 27.6/31

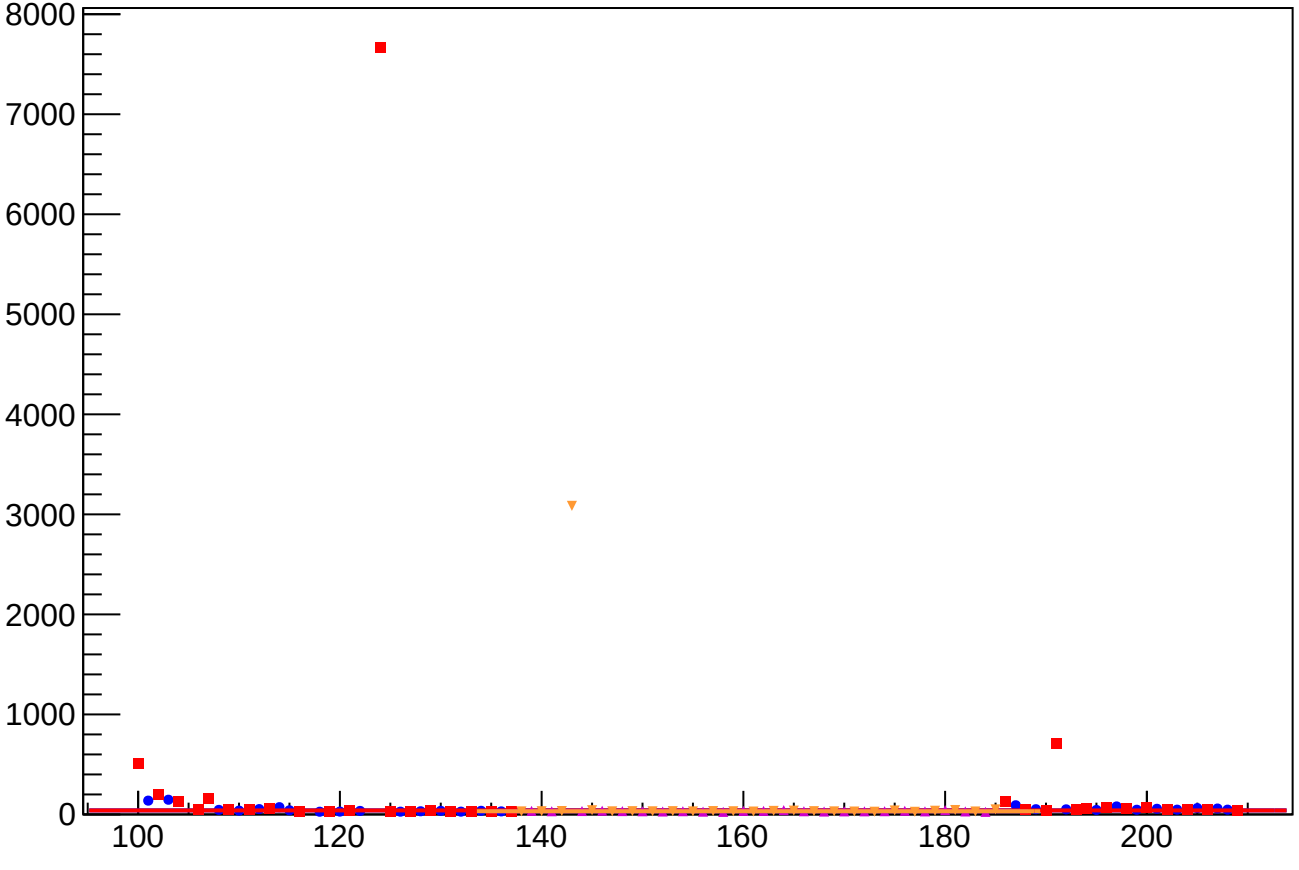
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 119.1/106

- sign 0.006+/-0.007 χ^2/NDF: 48.6/54

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

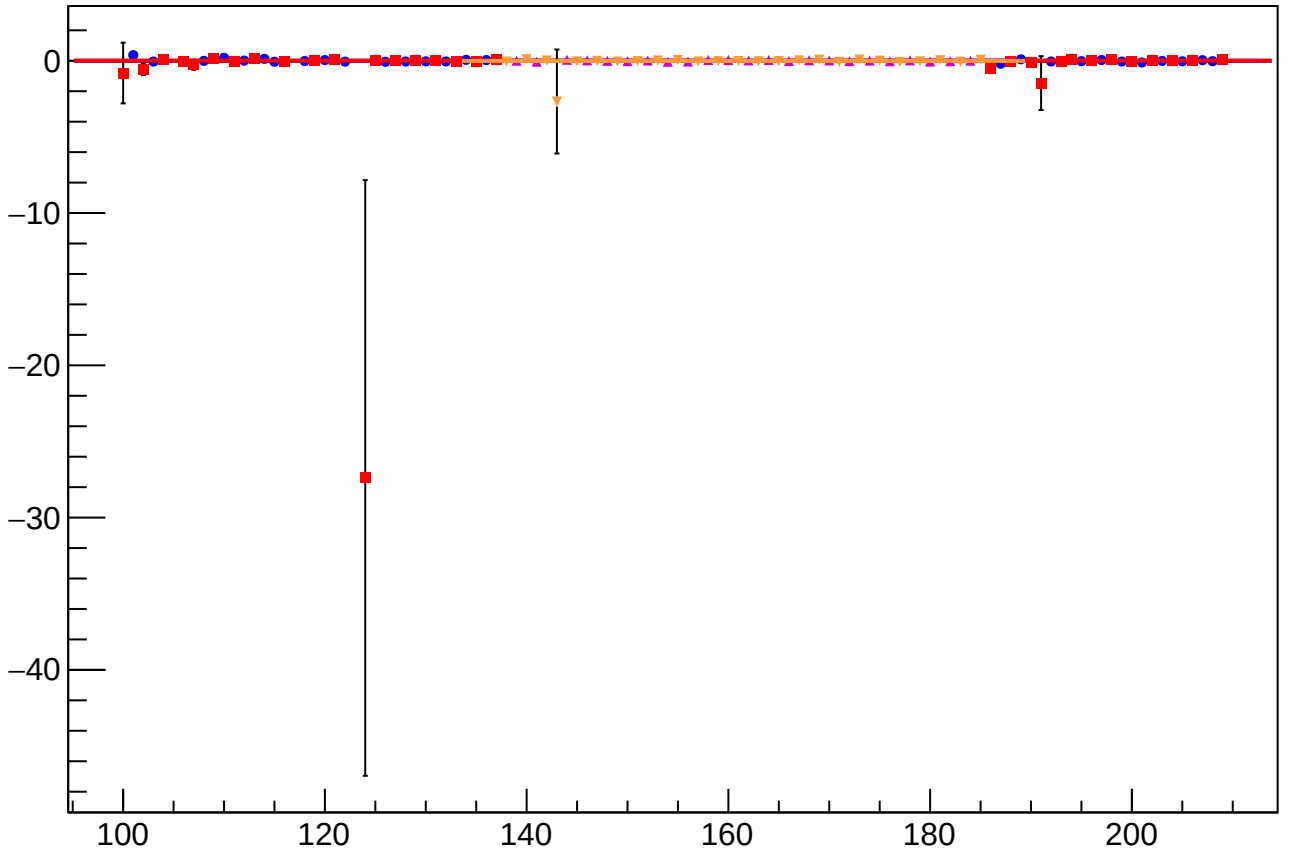
Right Out: 40.336+/-0.008 χ^2/NDF: 4278602.4/31

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.050+/-0.005 χ^2/NDF: 6083993.2/51

All: 35.076+/-0.003 χ^2/NDF: 11406590.1/106

- sign 35.103+/-0.005 χ^2/NDF: 5322535.1/54



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

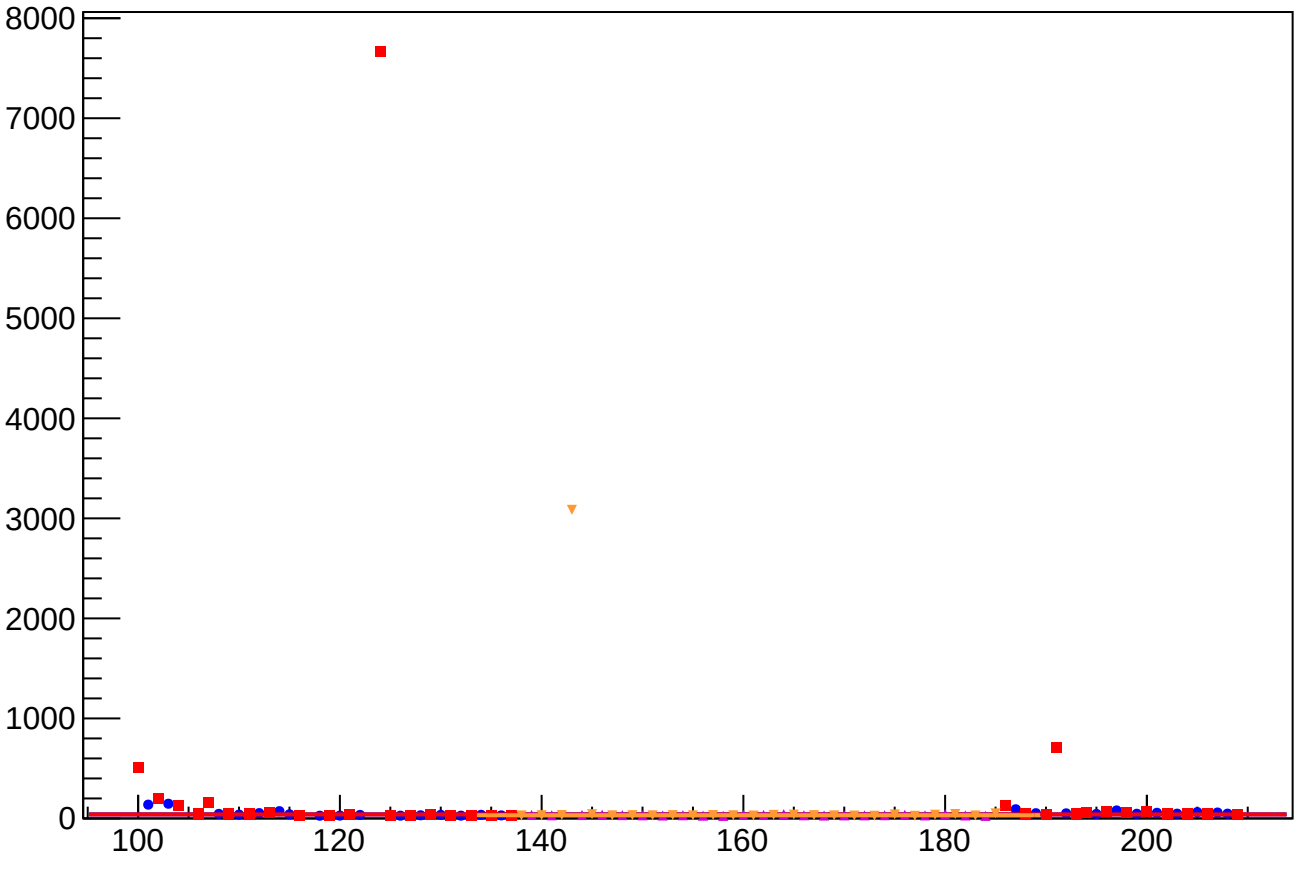
Right Out: 0.010+/-0.012 χ^2/NDF: 27.6/31

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 68.1/51

All: -0.002+/-0.005 χ^2/NDF: 119.1/106

- sign 0.006+/-0.007 χ^2/NDF: 48.6/54



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

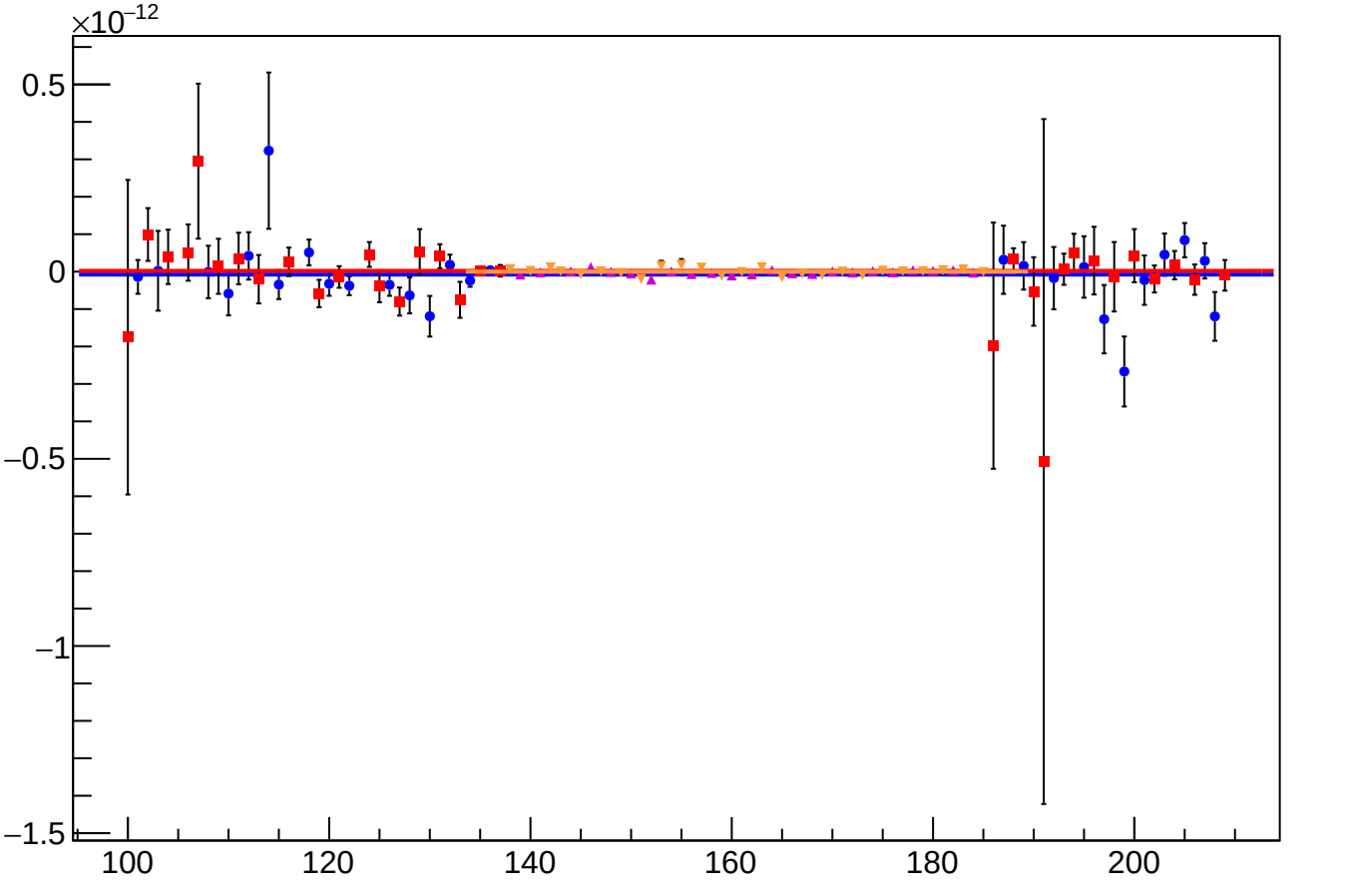
Right Out: 40.336+/-0.008 χ^2/NDF: 4278602.4/31

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

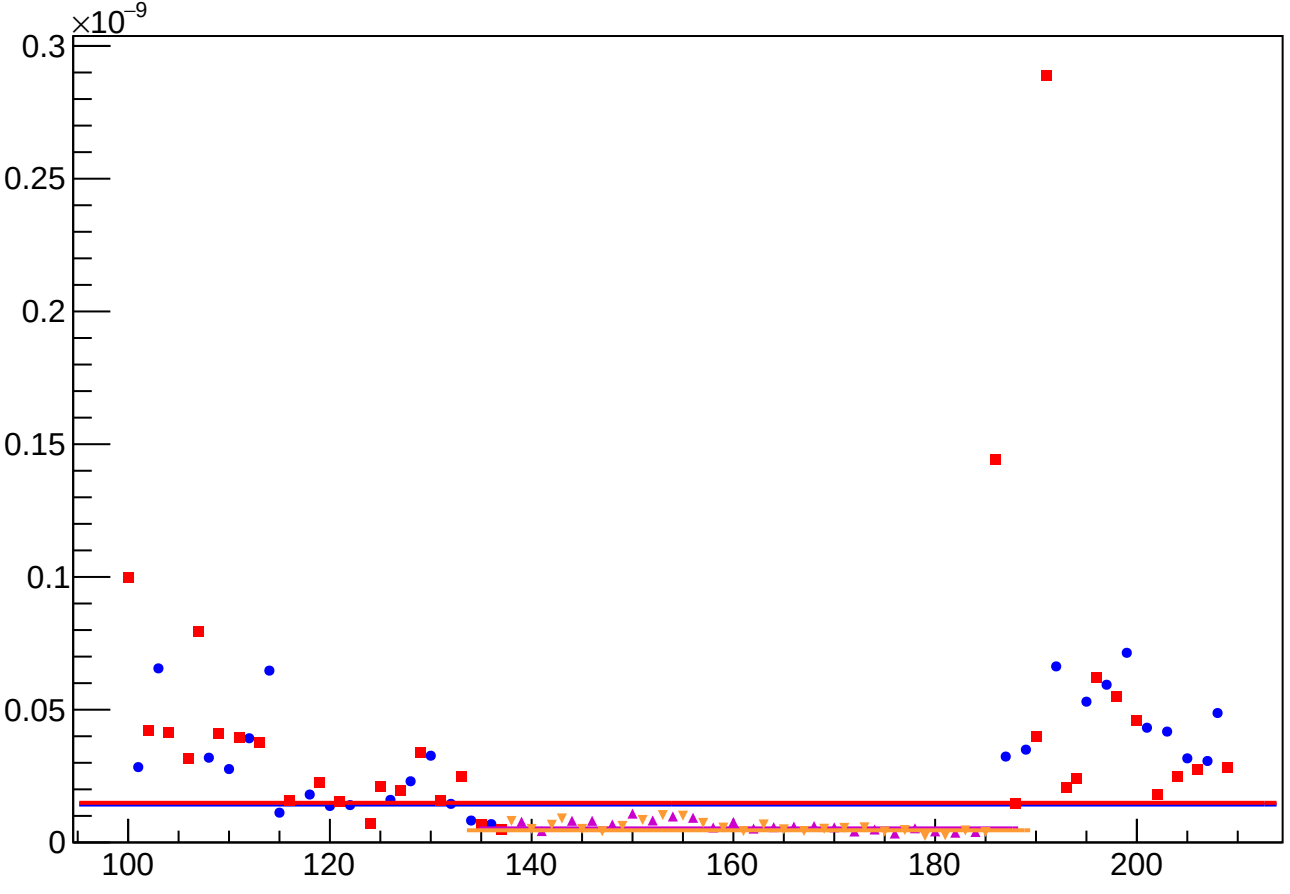
+ sign 35.050+/-0.005 χ^2/NDF: 6083993.2/51

All: 35.076+/-0.003 χ^2/NDF: 11406590.1/106

- sign 35.103+/-0.005 χ^2/NDF: 5322535.1/54


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: 37.6/26
Left Out: 0.000+/-0.000 χ²/NDF:21.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/31
Left In: -0.000+/-0.000 χ²/NDF:9.2/22
+ sign -0.000+/-0.000 χ²/NDF: 60.2/51
All: -0.000+/-0.000 χ²/NDF: 95.0/106
- sign -0.000+/-0.000 χ²/NDF: 34.7/54

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7938905.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6638229.0/31

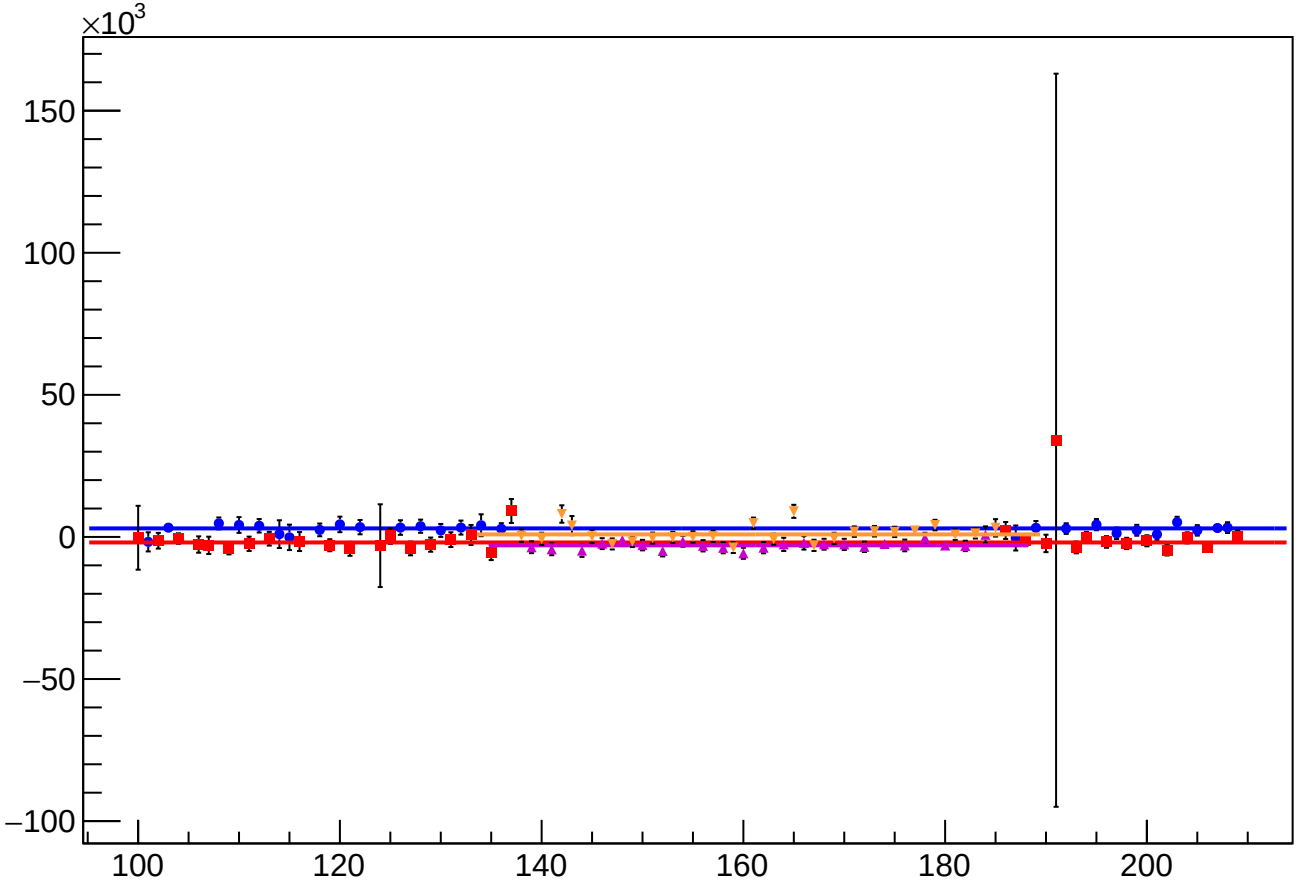
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15538858.7/51

All: 0.000+/-0.000 χ^2/NDF: 28923010.2/106

- sign 0.000+/-0.000 χ^2/NDF: 13115358.2/54

reg_asym_at2_avg_mean vs Slug



Right In: 3007.460+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1939.720+/-425.801 χ^2/NDF: 23.0/31

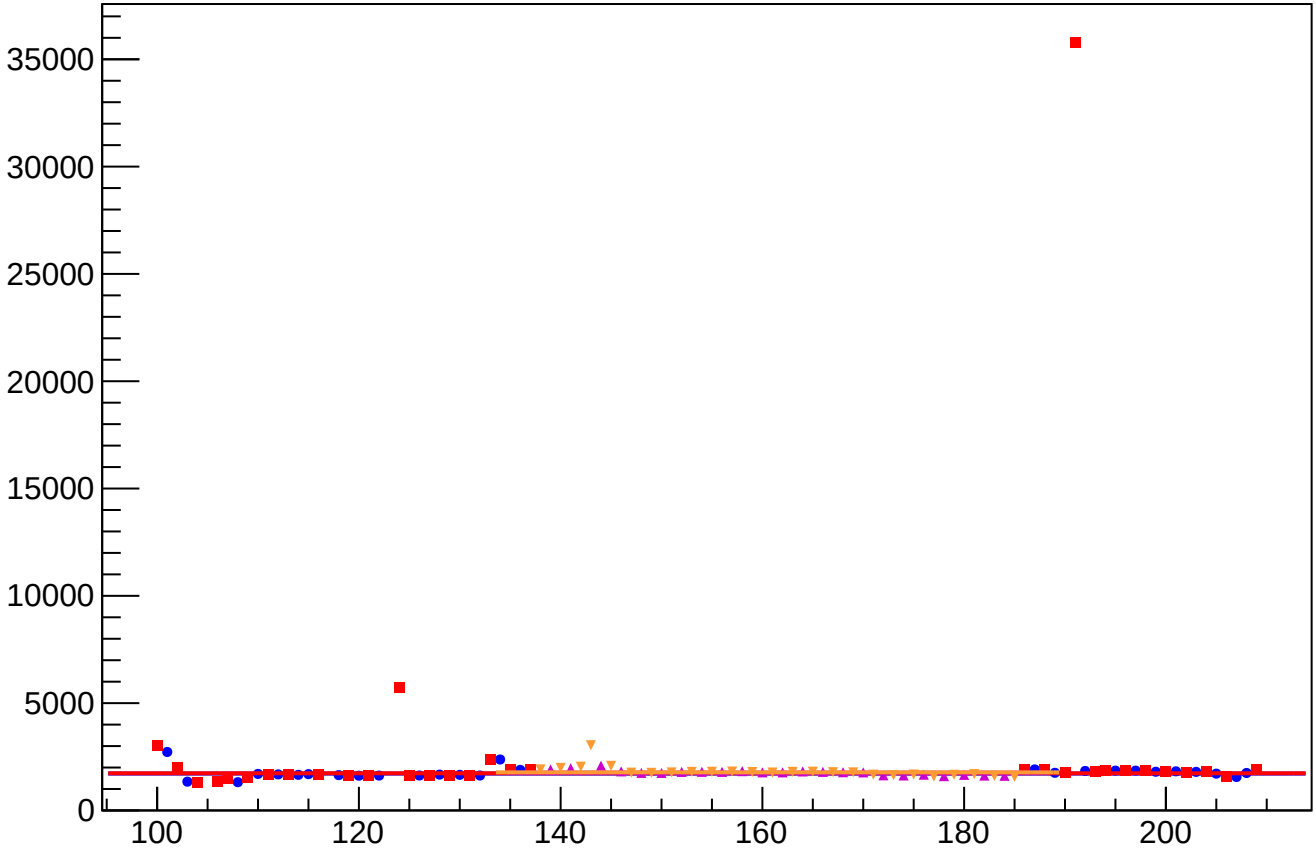
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1878.035+/-296.806 χ^2/NDF: 66.6/51

All: -295.024+/-209.628 χ^2/NDF: 210.0/106

- sign -2457.946+/-296.112 χ^2/NDF: 36.4/54

reg_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF: 493661.6/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1732.206+/-0.301 χ^2/NDF: 709272.5/31

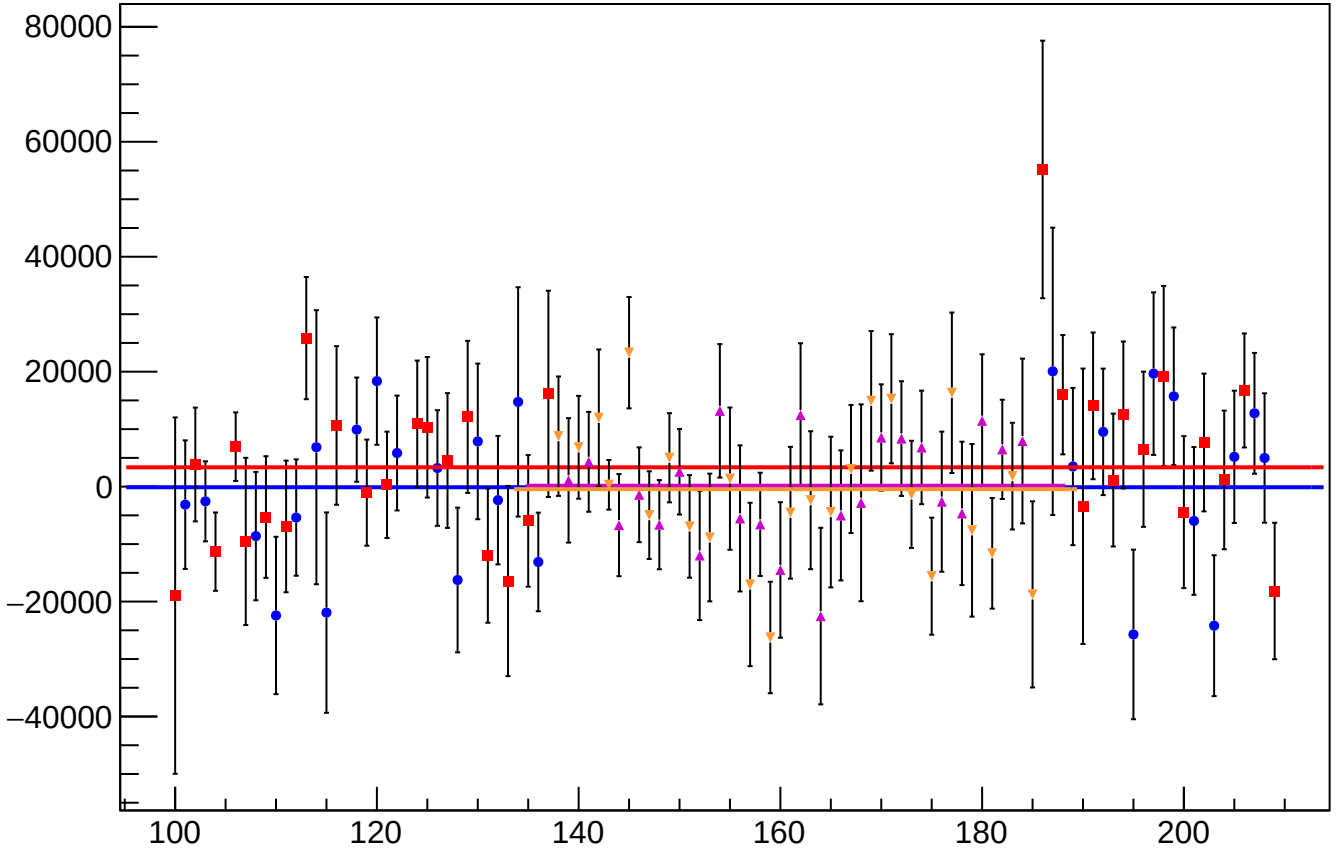
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF: 958637.3/51

All: 1747.786+/-0.148 χ^2/NDF: 1818948.7/10

- sign 1747.120+/-0.209 χ^2/NDF: 860291.0/54

asym_at2_avg_reg_correction_mean vs Slug



Right In: -108.727+/-2225.874 χ^2/NDF: 28.9/26

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3364.847+/-2006.091 χ^2/NDF: 33.3/31

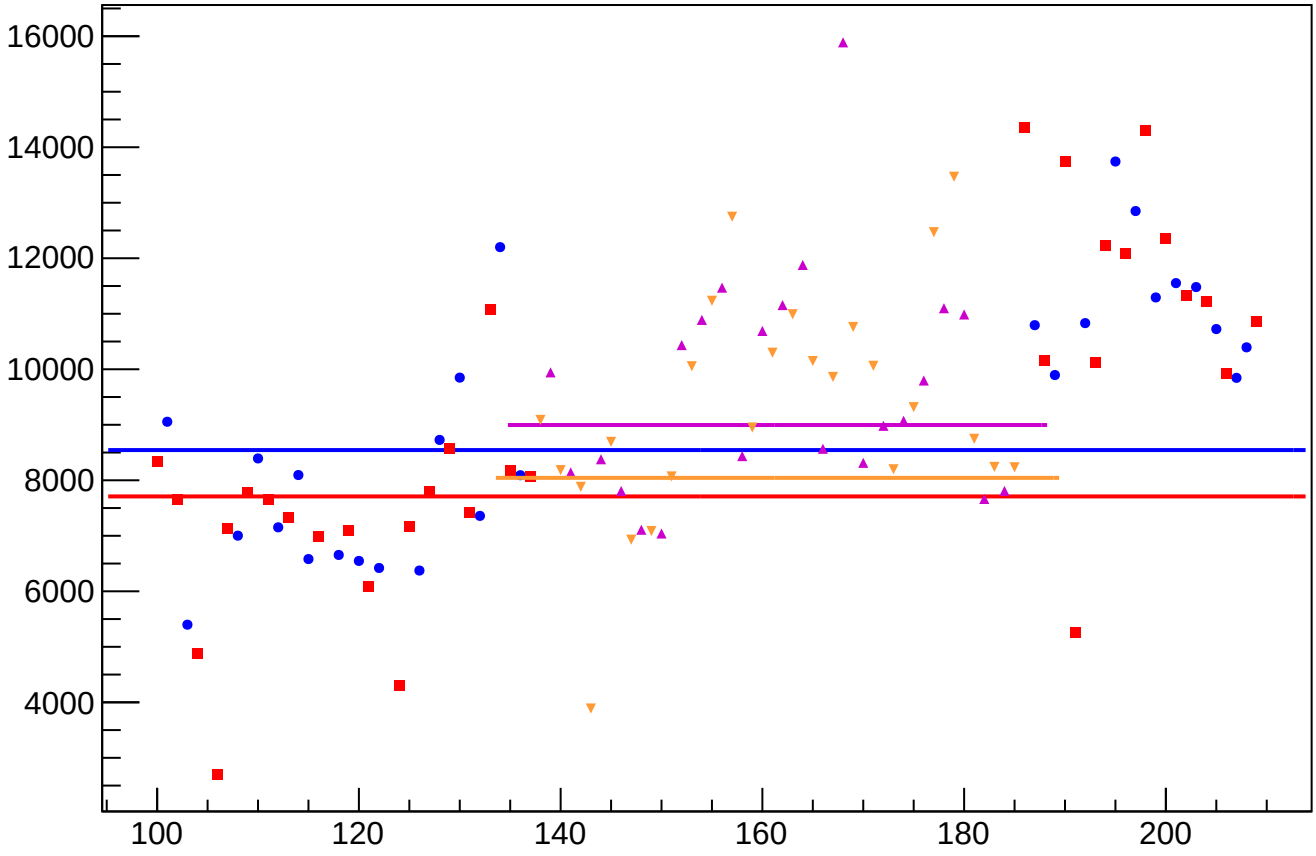
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -300.113+/-1456.286 χ^2/NDF: 58.4/51

All: 776.821+/-1032.707 χ^2/NDF: 107.8/106

- sign 1866.215+/-1464.687 χ^2/NDF: 48.3/54

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8544.345+/-1.574 χ^2/NDF: 2006184.5/26

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7709.228+/-1.419 χ^2/NDF: 4355753.9/31

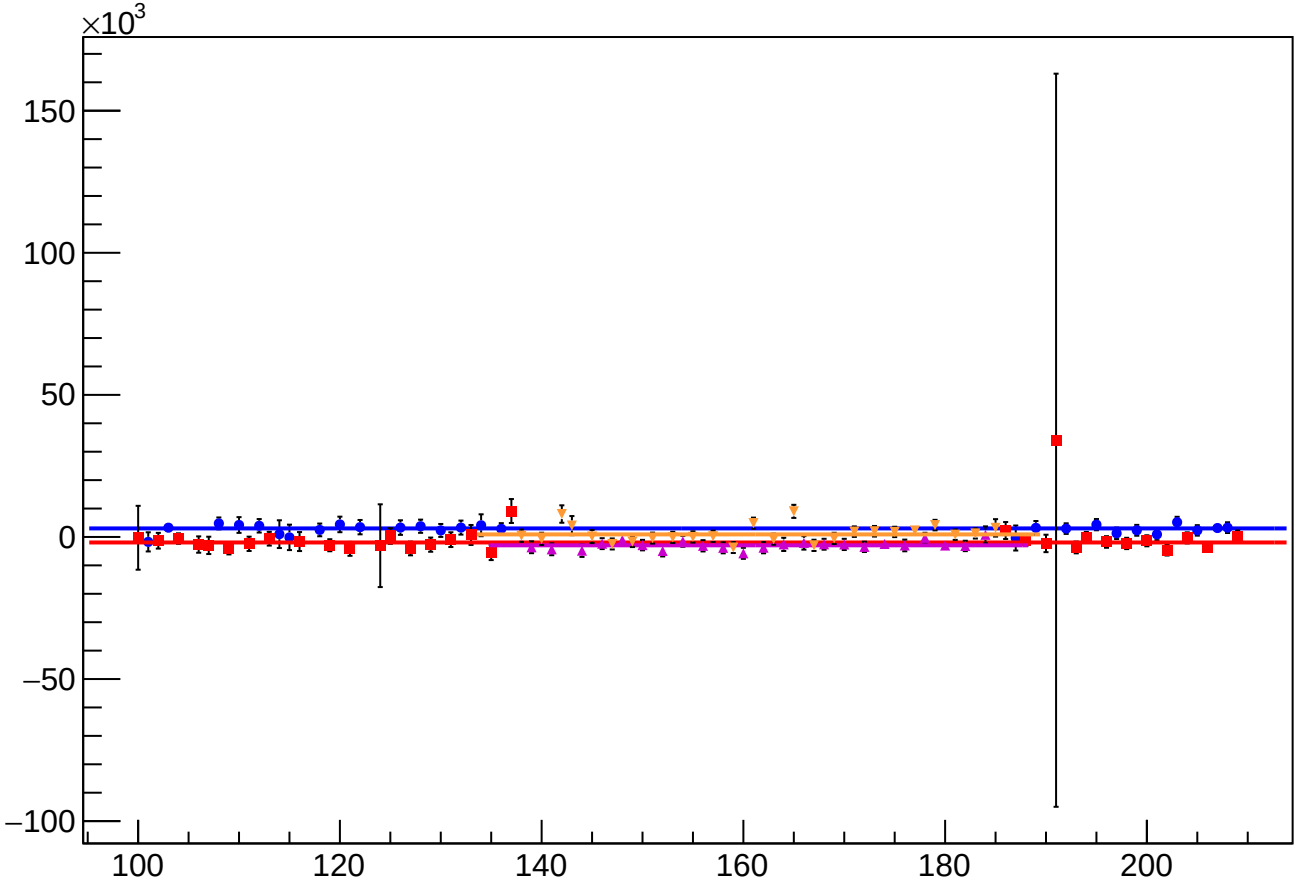
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8258.077+/-1.030 χ^2/NDF: 5426861.5/51

All: 8283.828+/-0.730 χ^2/NDF: 11375003.5/1

- sign 8309.878+/-1.036 χ^2/NDF: 5946884.0/54

cor_asym_at2_avg_mean vs Slug



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1939.643+/-425.801 χ^2/NDF: 23.0/31

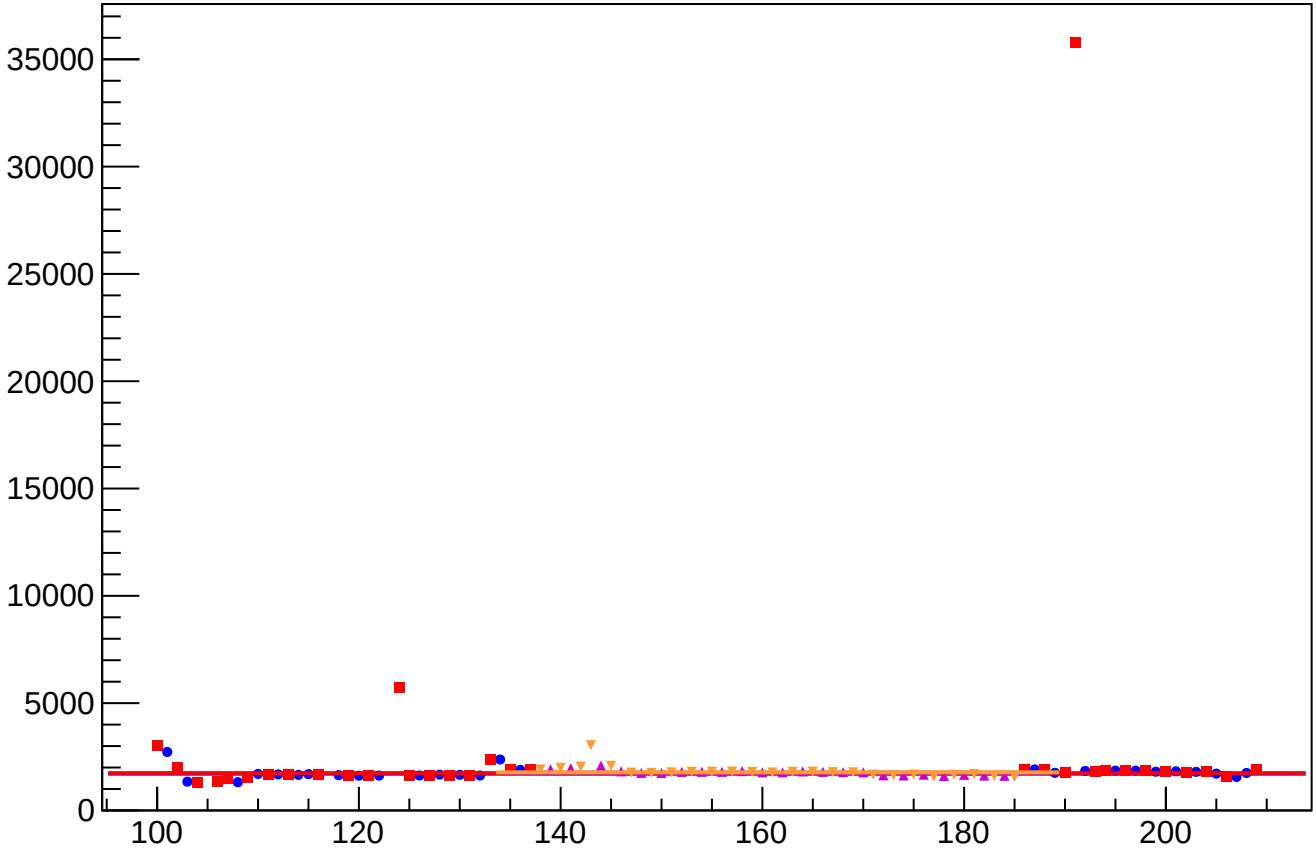
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1878.020+/-296.806 χ^2/NDF: 66.6/51

All: -294.984+/-209.628 χ^2/NDF: 210.0/106

- sign -2457.850+/-296.112 χ^2/NDF: 36.4/54

cor_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1732.205+/-0.301 χ^2/NDF: 709272.7/31

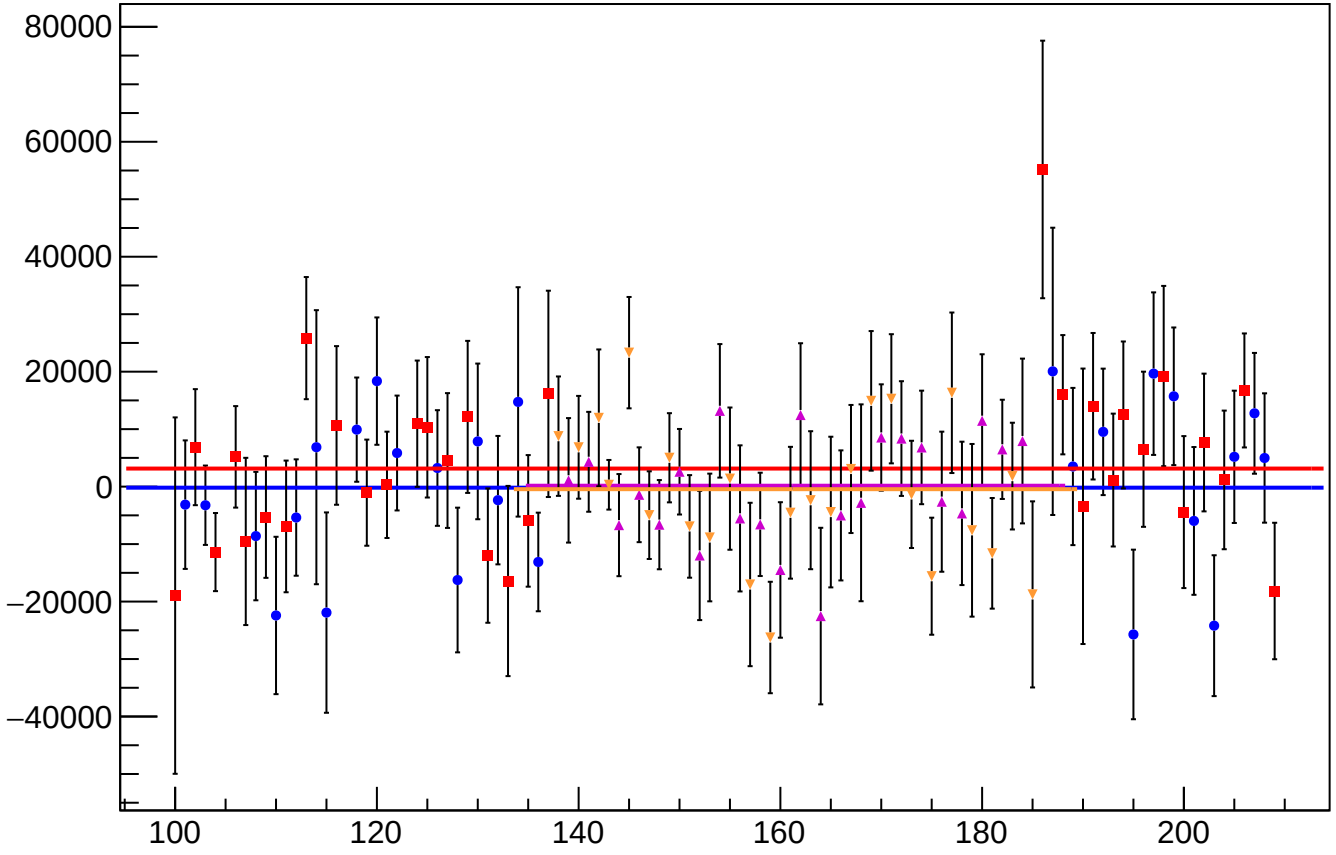
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF: 958637.8/51

All: 1747.786+/-0.148 χ^2/NDF: 1818949.3/10

- sign 1747.120+/-0.209 χ^2/NDF: 860291.3/54

asym_at2_avg_cor_correction_mean vs Slug



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3142.383+/-2071.890 χ^2/NDF: 33.2/31

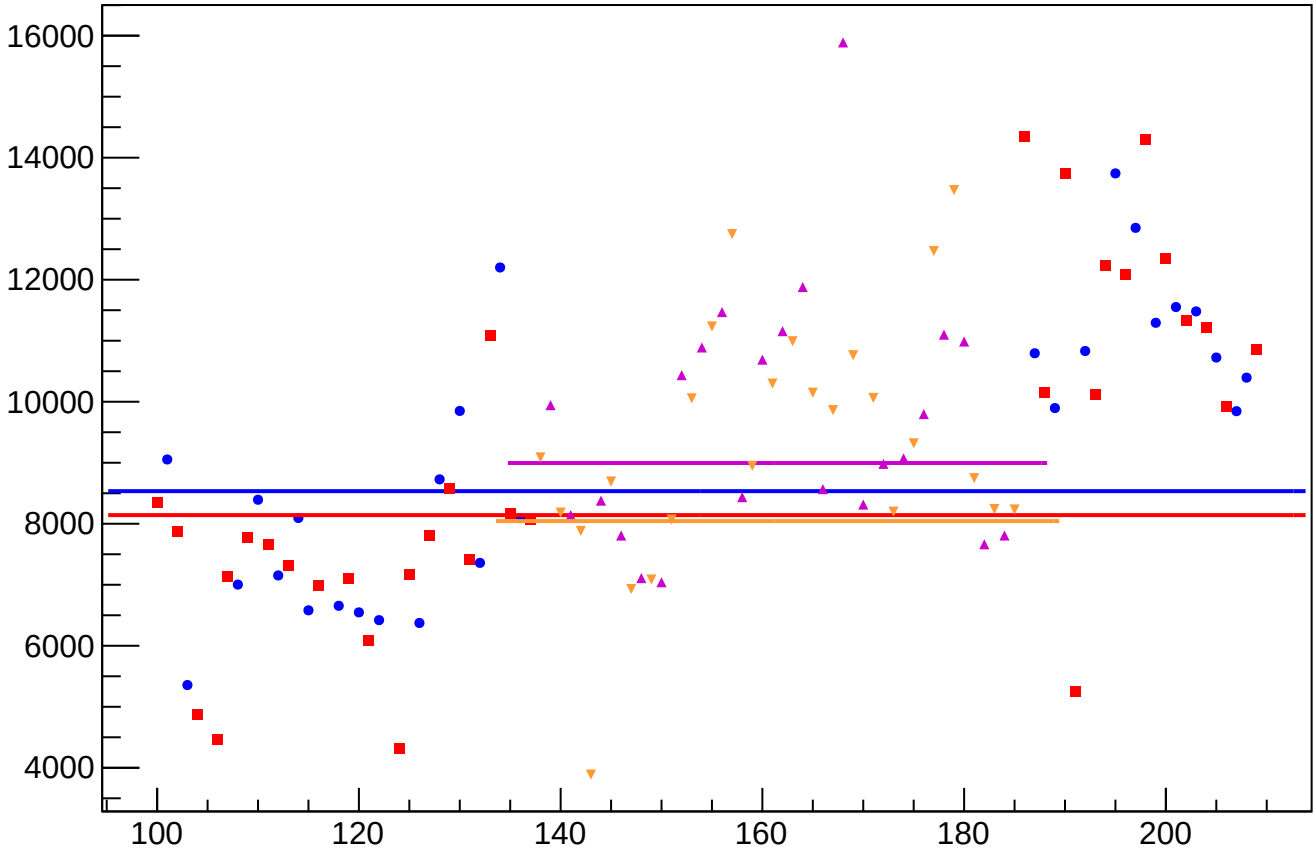
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -332.038+/-1455.736 χ^2/NDF: 58.5/51

All: 660.313+/-1041.167 χ^2/NDF: 107.4/106

- sign 1699.532+/-1489.716 χ^2/NDF: 48.0/54

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8141.679+/-1.465 χ^2/NDF: 3132900.0/31

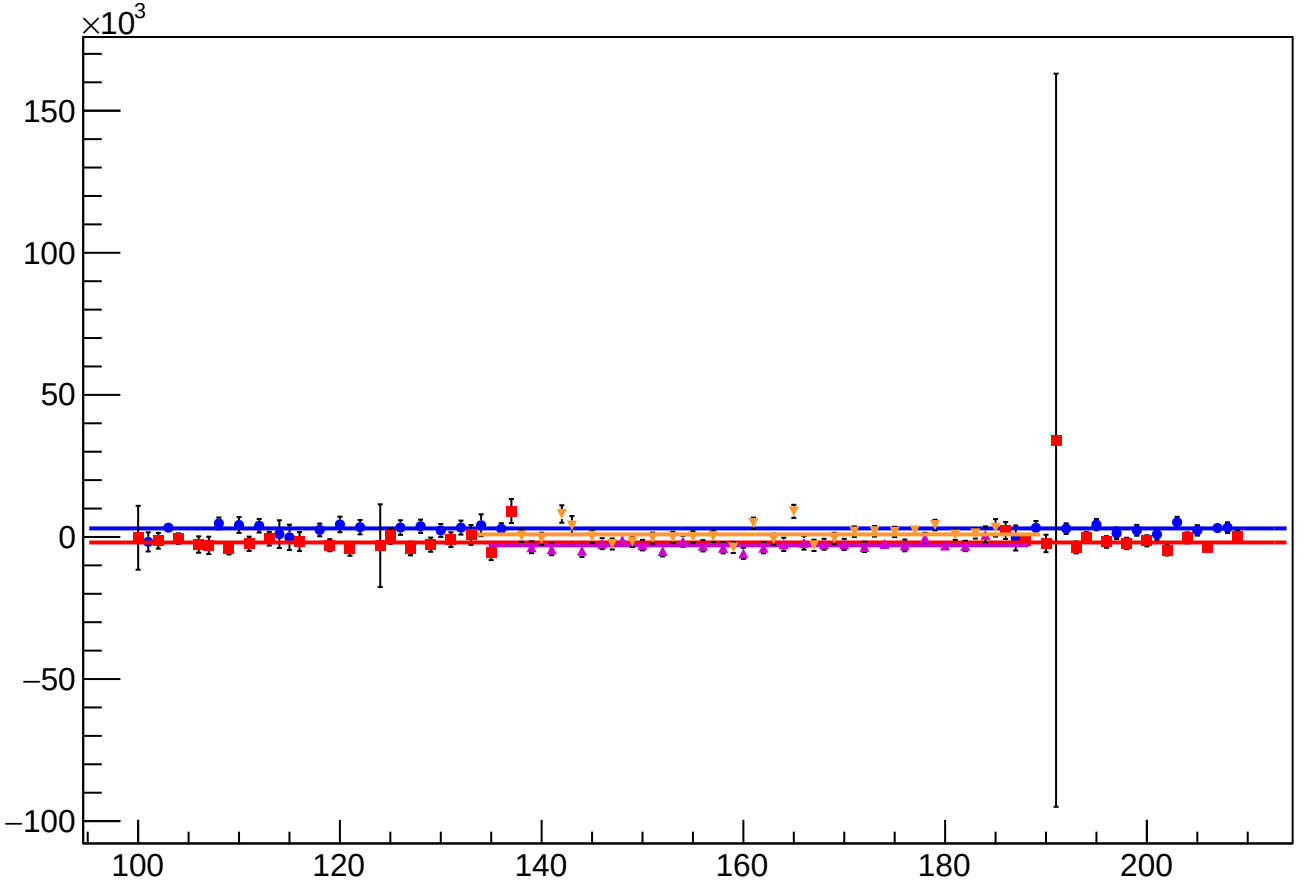
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8254.022+/-1.029 χ^2/NDF: 5442932.0/51

All: 8400.623+/-0.736 χ^2/NDF: 9988597.7/10

- sign 8554.147+/-1.053 χ^2/NDF: 4504141.3/54

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1939.643+/-425.801 χ^2/NDF: 23.0/31

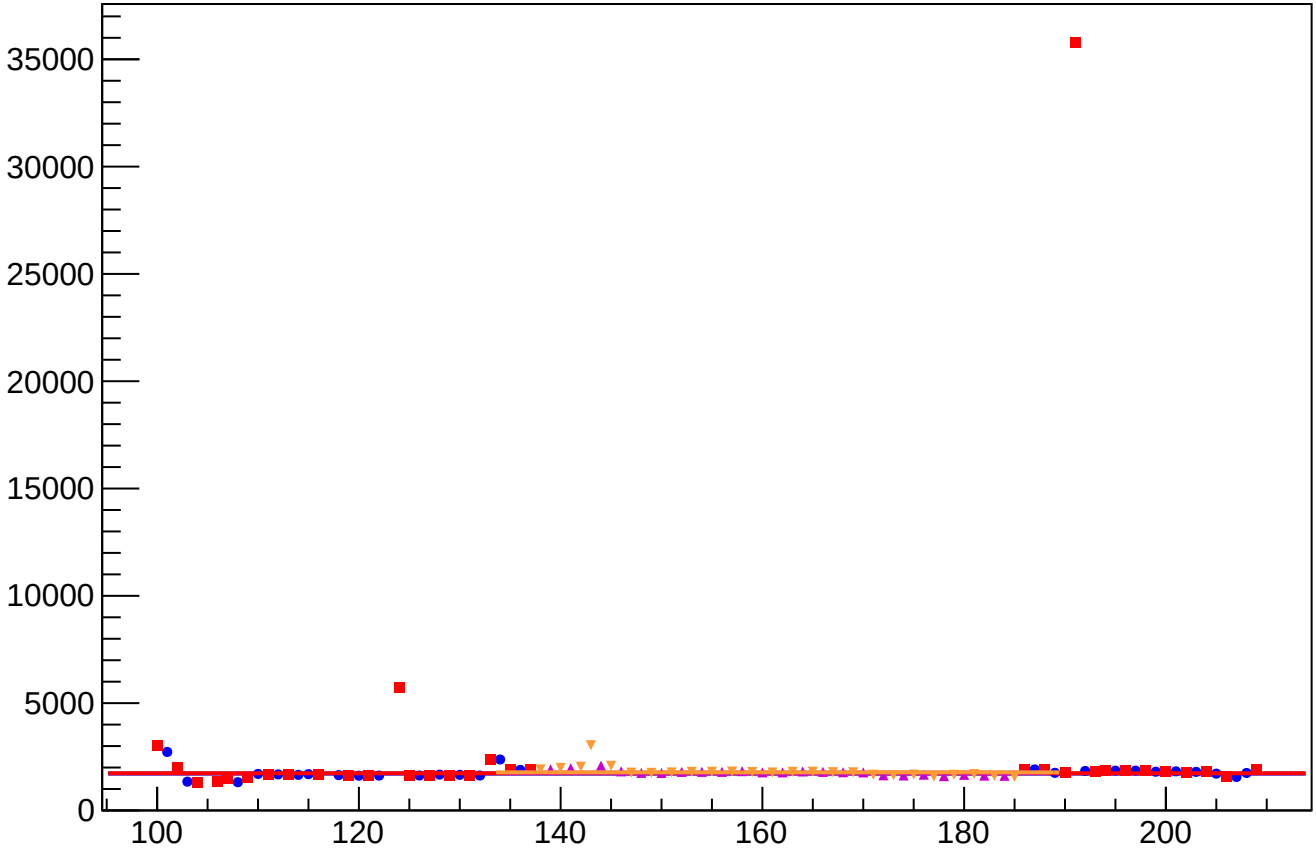
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1878.020+/-296.806 χ^2/NDF: 66.6/51

All: -294.984+/-209.628 χ^2/NDF: 210.0/106

- sign -2457.850+/-296.112 χ^2/NDF: 36.4/54

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1732.205+/-0.301 χ^2/NDF: 709272.7/31

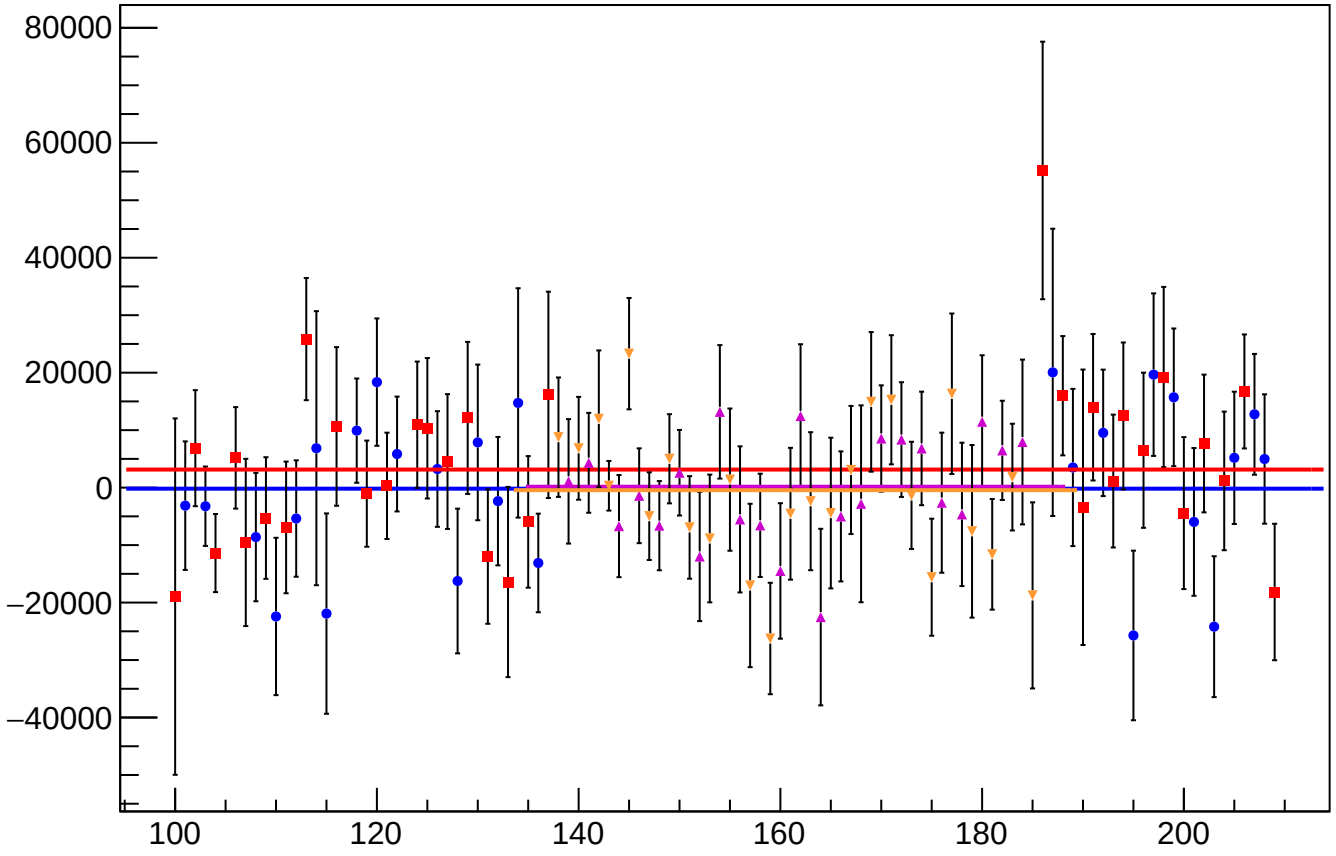
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1748.456+/-0.210 χ^2/NDF: 958637.8/51

All: 1747.786+/-0.148 χ^2/NDF: 1818949.3/10

- sign 1747.120+/-0.209 χ^2/NDF: 860291.3/54

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3142.383+/-2071.890 χ^2/NDF: 33.2/31

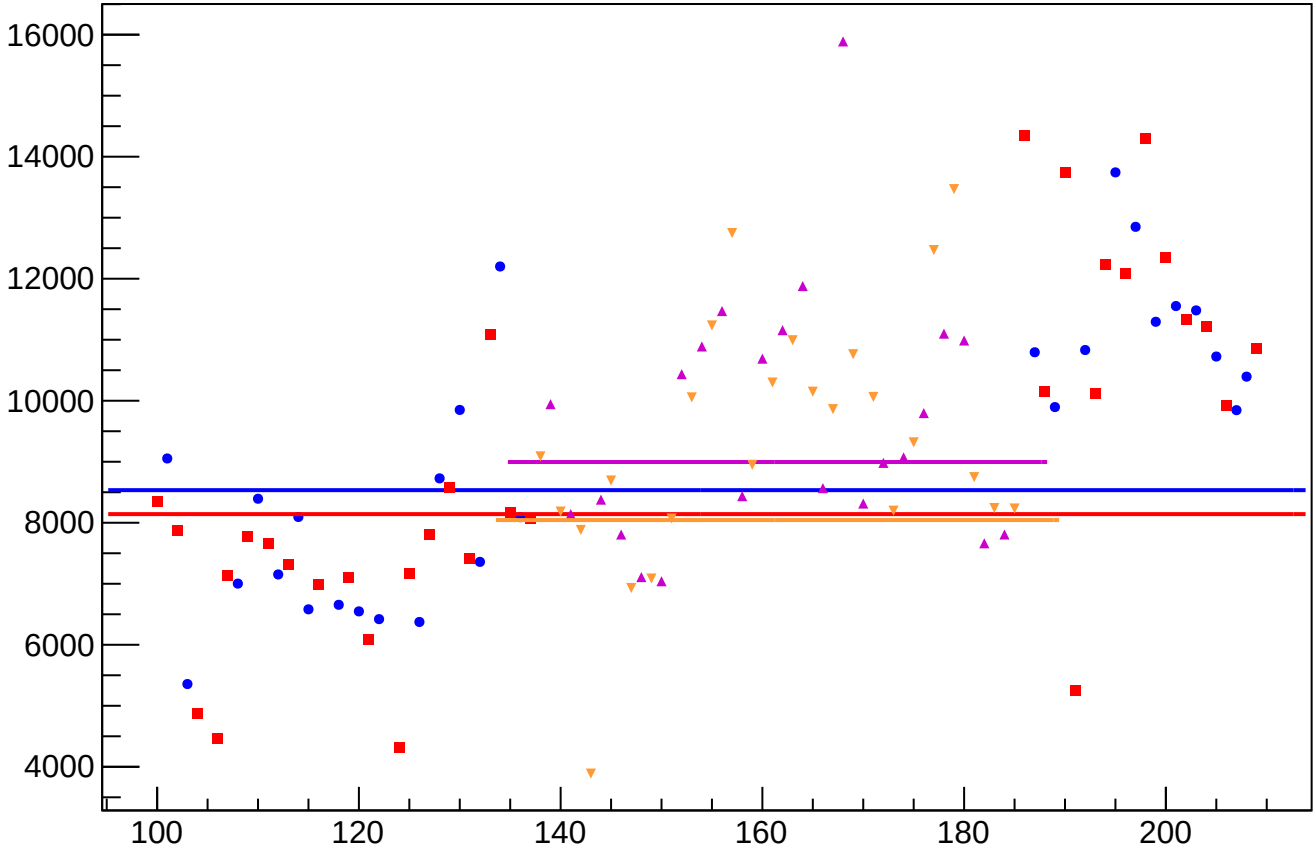
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -332.038+/-1455.736 χ^2/NDF: 58.5/51

All: 660.313+/-1041.167 χ^2/NDF: 107.4/106

- sign 1699.532+/-1489.716 χ^2/NDF: 48.0/54

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8141.679+/-1.465 χ^2/NDF: 3132900.0/31

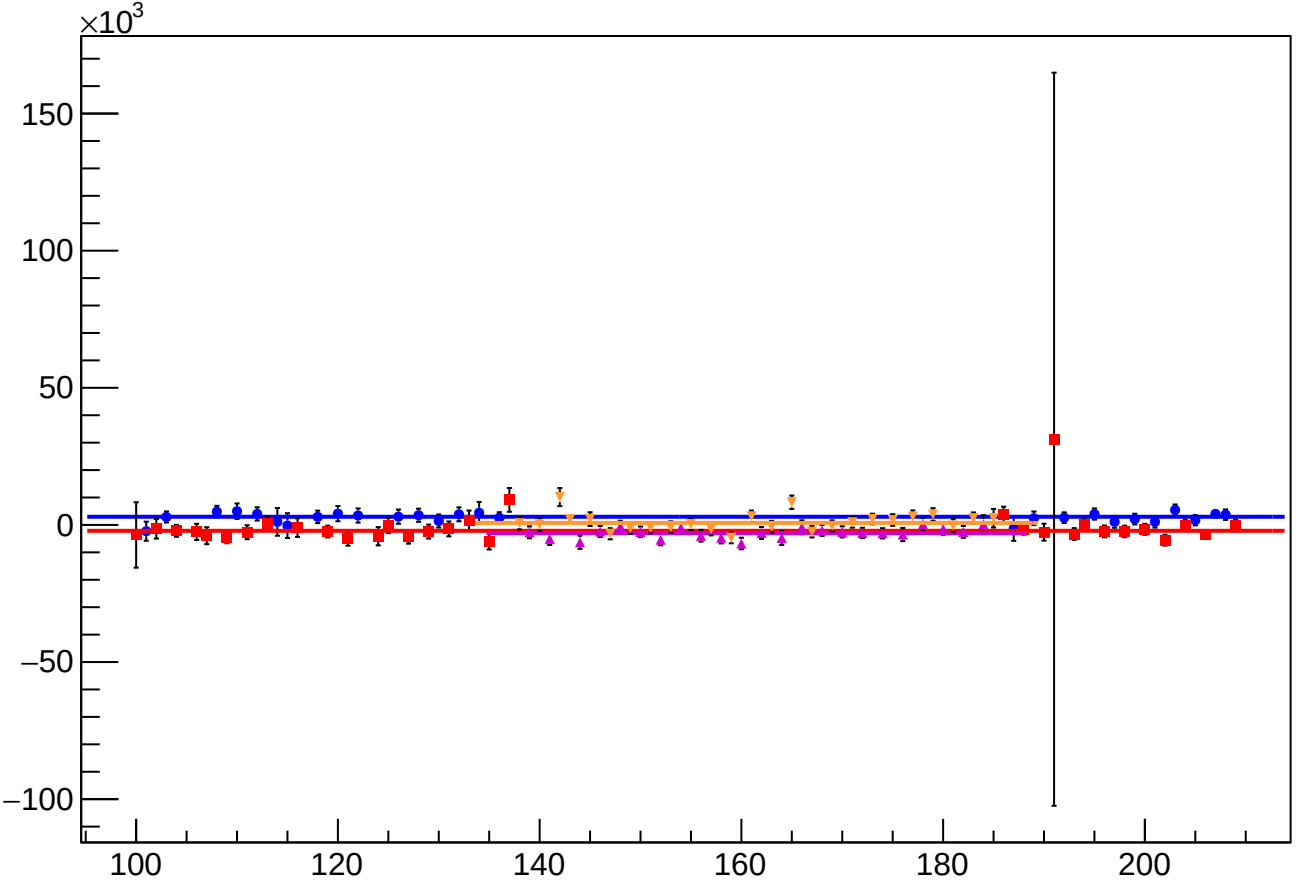
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8254.022+/-1.029 χ^2/NDF: 5442932.0/51

All: 8400.623+/-0.736 χ^2/NDF: 9988597.7/10

- sign 8554.147+/-1.053 χ^2/NDF: 4504141.3/54

dit_asym_at2_avg_mean vs Slug



Right In: 2975.402+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2139.306+/-438.482 χ^2/NDF: 27.1/31

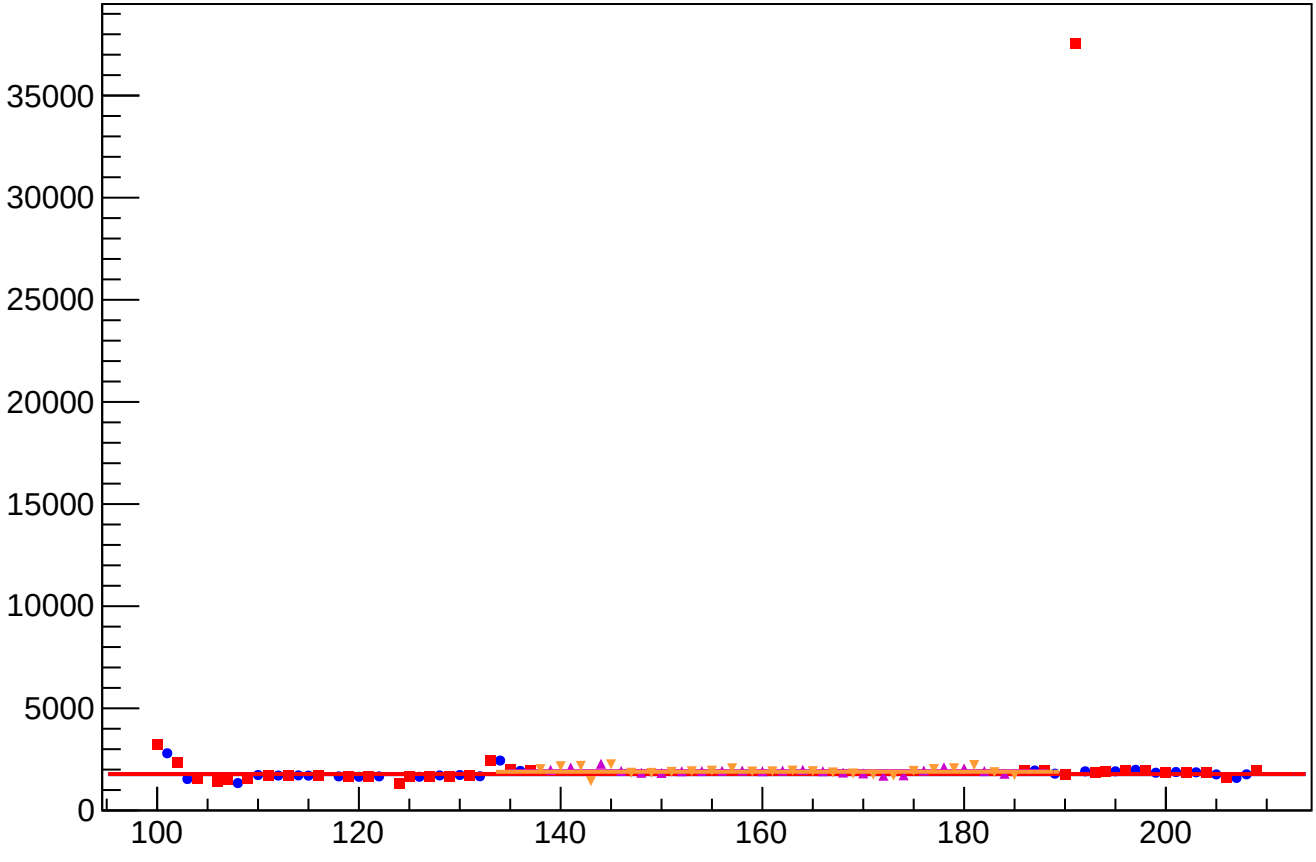
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1812.548+/-312.145 χ^2/NDF: 65.3/51

All: -353.726+/-221.429 χ^2/NDF: 206.8/106

- sign -2548.068+/-314.160 χ^2/NDF: 44.6/54

dit_asym_at2_avg_rms vs Slug



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.4/26

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1781.986+/-0.310 χ^2/NDF: 574453.2/31

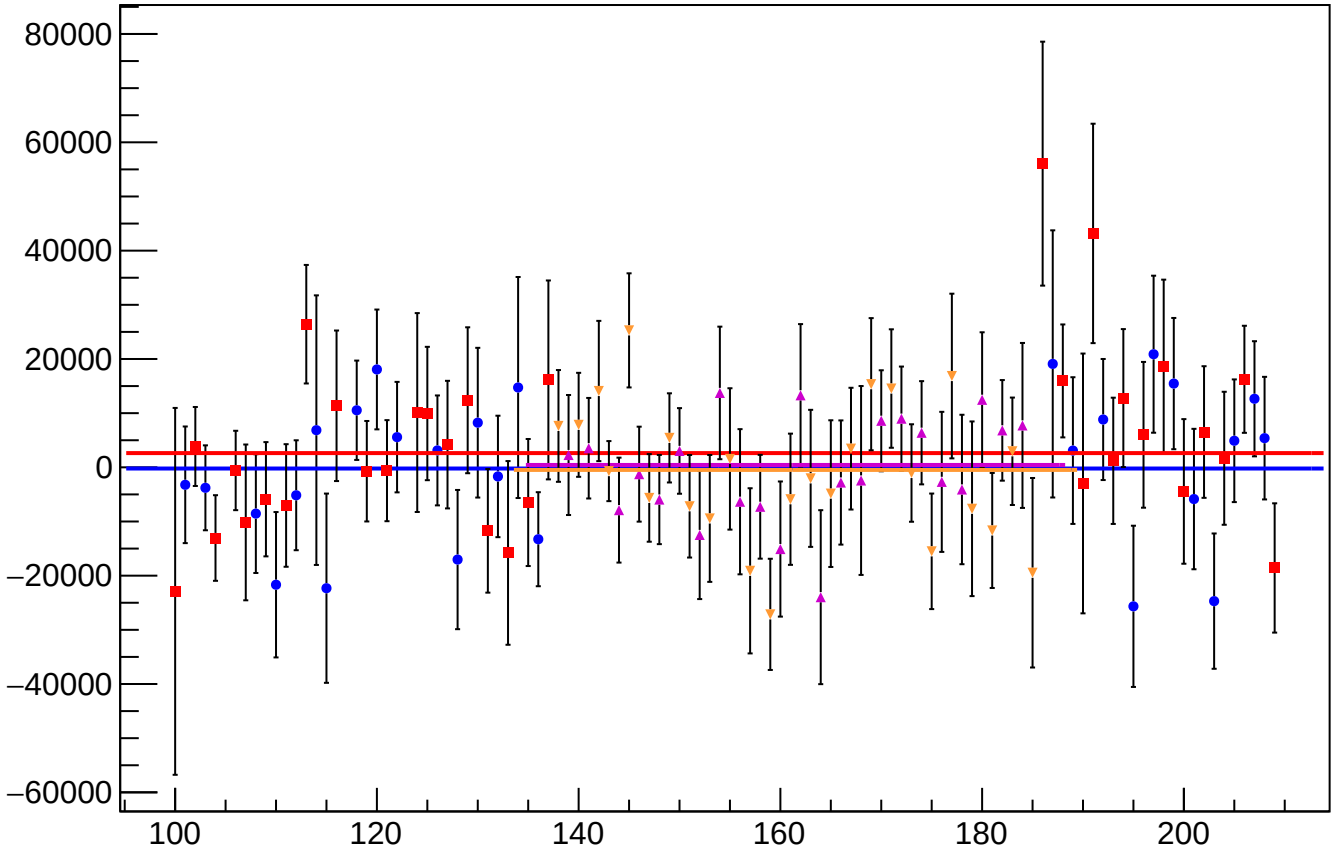
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1838.408+/-0.221 χ^2/NDF: 894389.8/51

All: 1844.475+/-0.157 χ^2/NDF: 1722079.0/10

- sign 1850.619+/-0.222 χ^2/NDF: 826168.5/54

asym_at2_avg_dit_correction_mean vs Slug



Right In: -220.566+/-2260.374 χ^2/NDF: 28.8/26

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 2628.510+/-2081.127 χ^2/NDF: 35.7/31

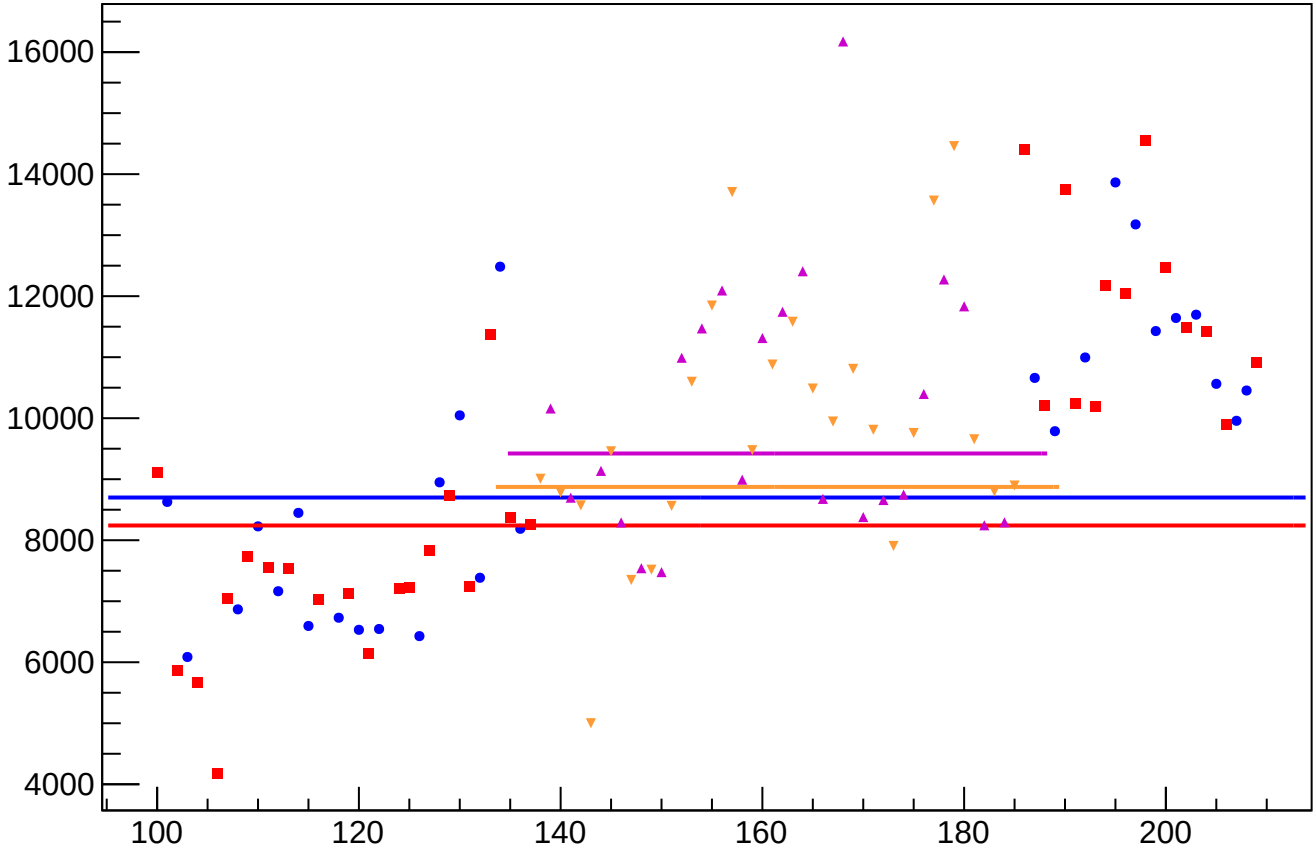
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -360.118+/-1534.251 χ^2/NDF: 57.6/51

All: 632.887+/-1082.052 χ^2/NDF: 108.2/106

- sign 1615.606+/-1526.284 χ^2/NDF: 49.8/54

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8699.986+/-1.598 χ^2/NDF: 1829052.6/26

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8241.513+/-1.472 χ^2/NDF: 3029287.6/31

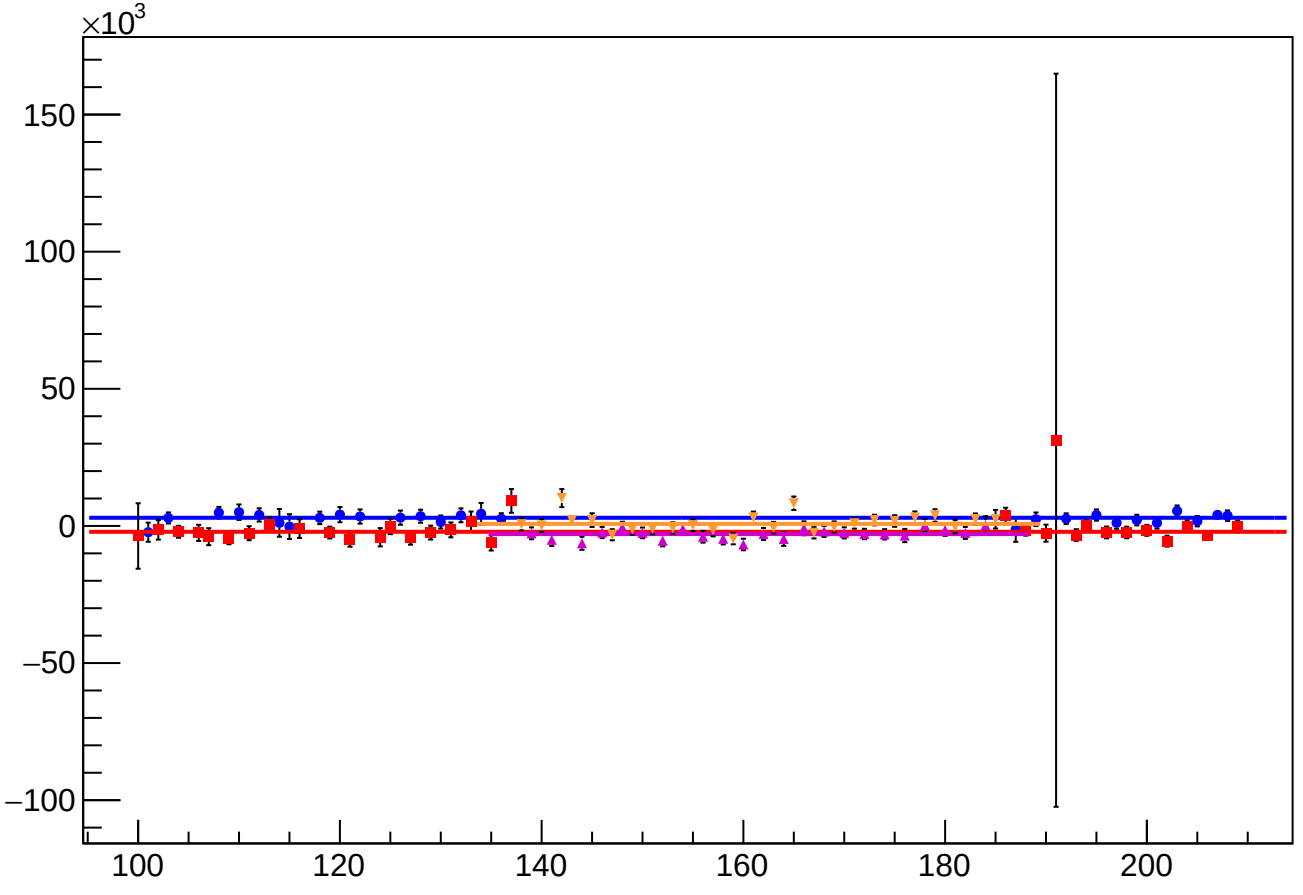
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8793.609+/-1.085 χ^2/NDF: 4038664.6/51

All: 8790.248+/-0.765 χ^2/NDF: 8570060.3/10

- sign 8786.922+/-1.079 χ^2/NDF: 4531376.6/54

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2975.399+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2139.307+/-438.483 χ^2/NDF: 27.1/31

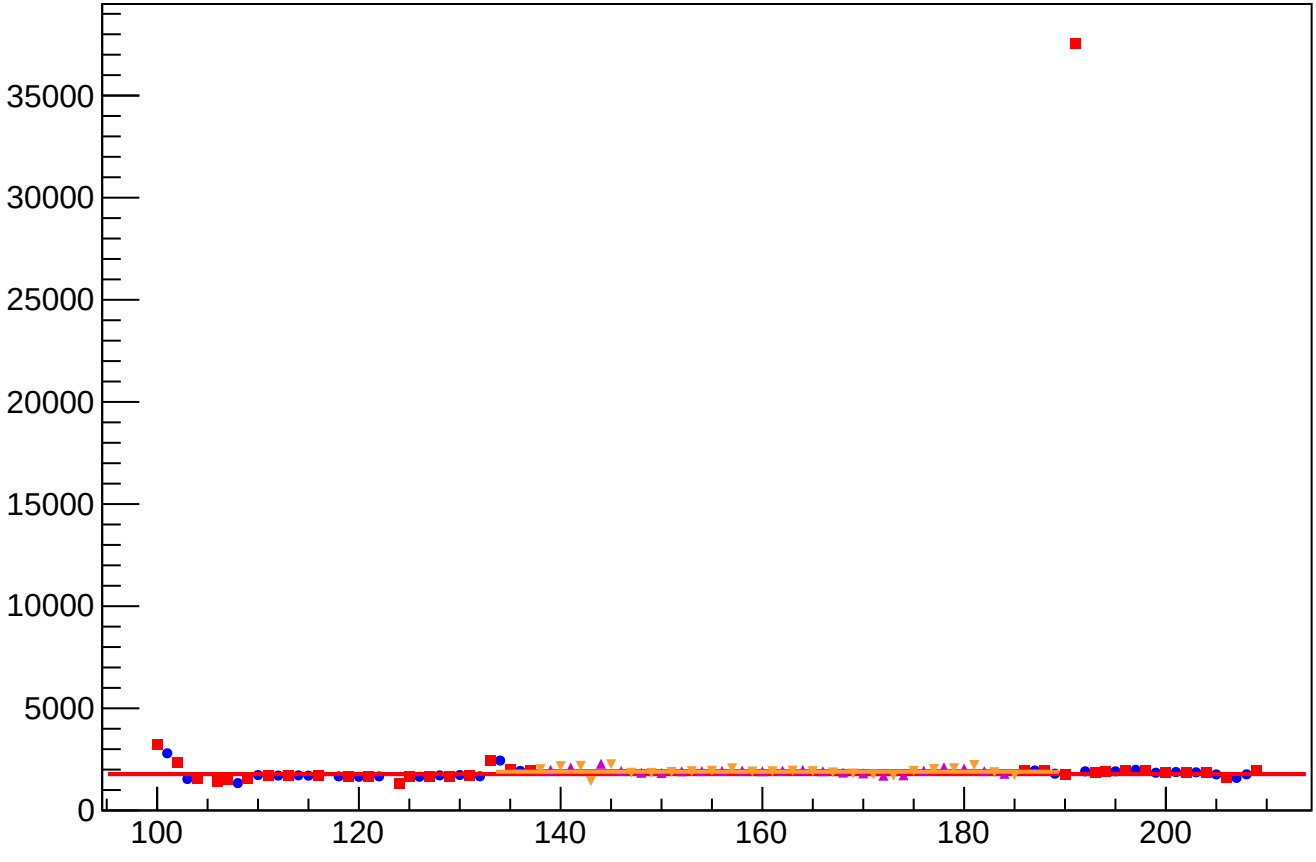
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1812.543+/-312.145 χ^2/NDF: 65.3/51

All: -353.729+/-221.429 χ^2/NDF: 206.8/106

- sign -2548.068+/-314.161 χ^2/NDF: 44.6/54

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.7/26

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1781.986+/-0.310 χ^2/NDF: 574454.9/31

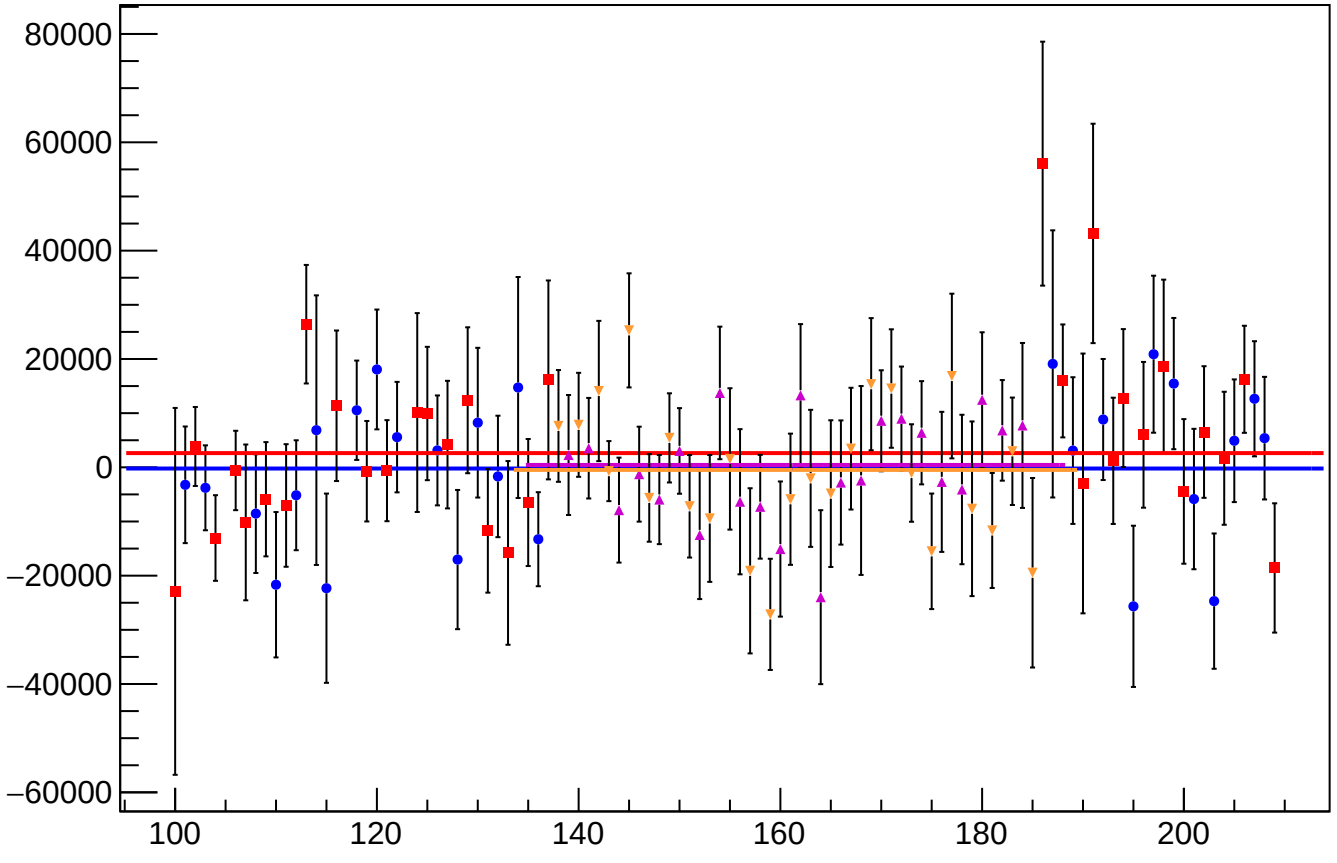
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1838.409+/-0.221 χ^2/NDF: 894401.5/51

All: 1844.476+/-0.157 χ^2/NDF: 1722104.3/10

- sign 1850.621+/-0.222 χ^2/NDF: 826182.1/54

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -220.558+/-2260.372 χ^2/NDF: 28.8/26

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

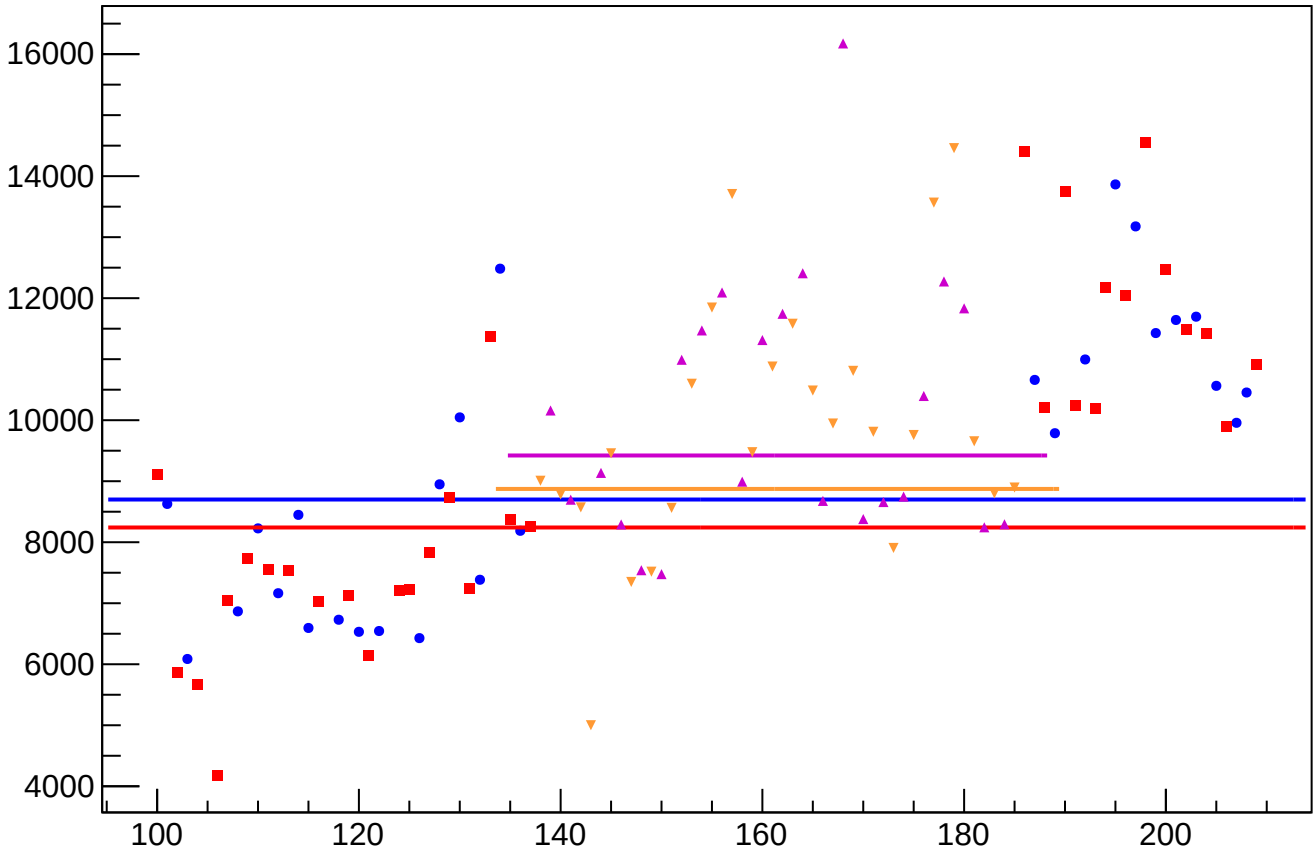
Right Out: 2628.496+/-2081.125 χ^2/NDF: 35.7/31

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -360.118+/-1534.252 χ^2/NDF: 57.6/51

All: 632.886+/-1082.052 χ^2/NDF: 108.2/106

- sign 1615.603+/-1526.285 χ^2/NDF: 49.8/54



Right In: 8699.975+/-1.598 χ^2/NDF: 1829079.3/26

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8241.501+/-1.472 χ^2/NDF: 3029311.6/31

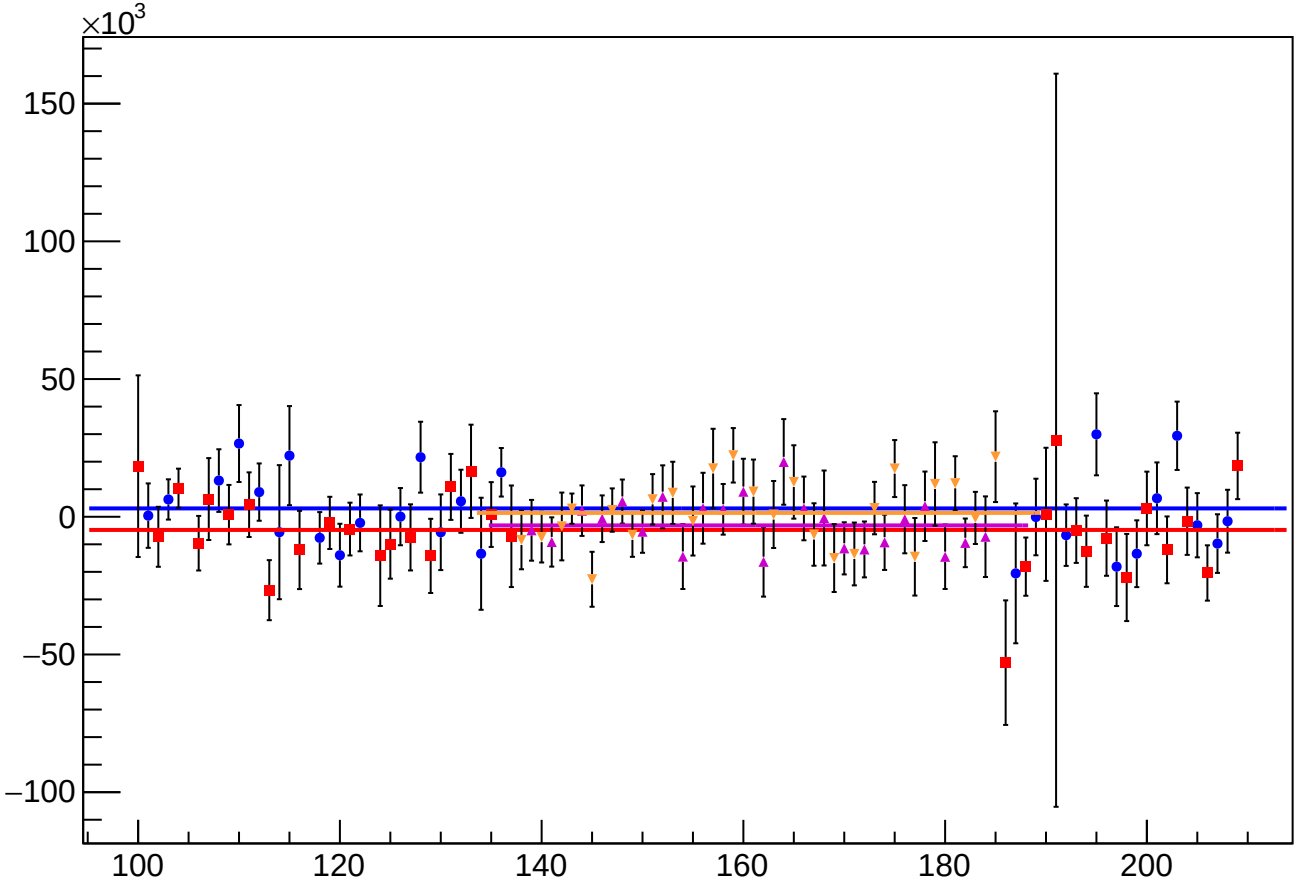
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8793.612+/-1.085 χ^2/NDF: 4038694.7/51

All: 8790.249+/-0.765 χ^2/NDF: 8570131.0/10

- sign 8786.921+/-1.079 χ^2/NDF: 4531417.2/54

asym_at2_avg_mean vs Slug



Right In: 3035.911+/-2281.072 χ^2/NDF: 30.2/26

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -4779.268+/-2188.549 χ^2/NDF: 30.4/31

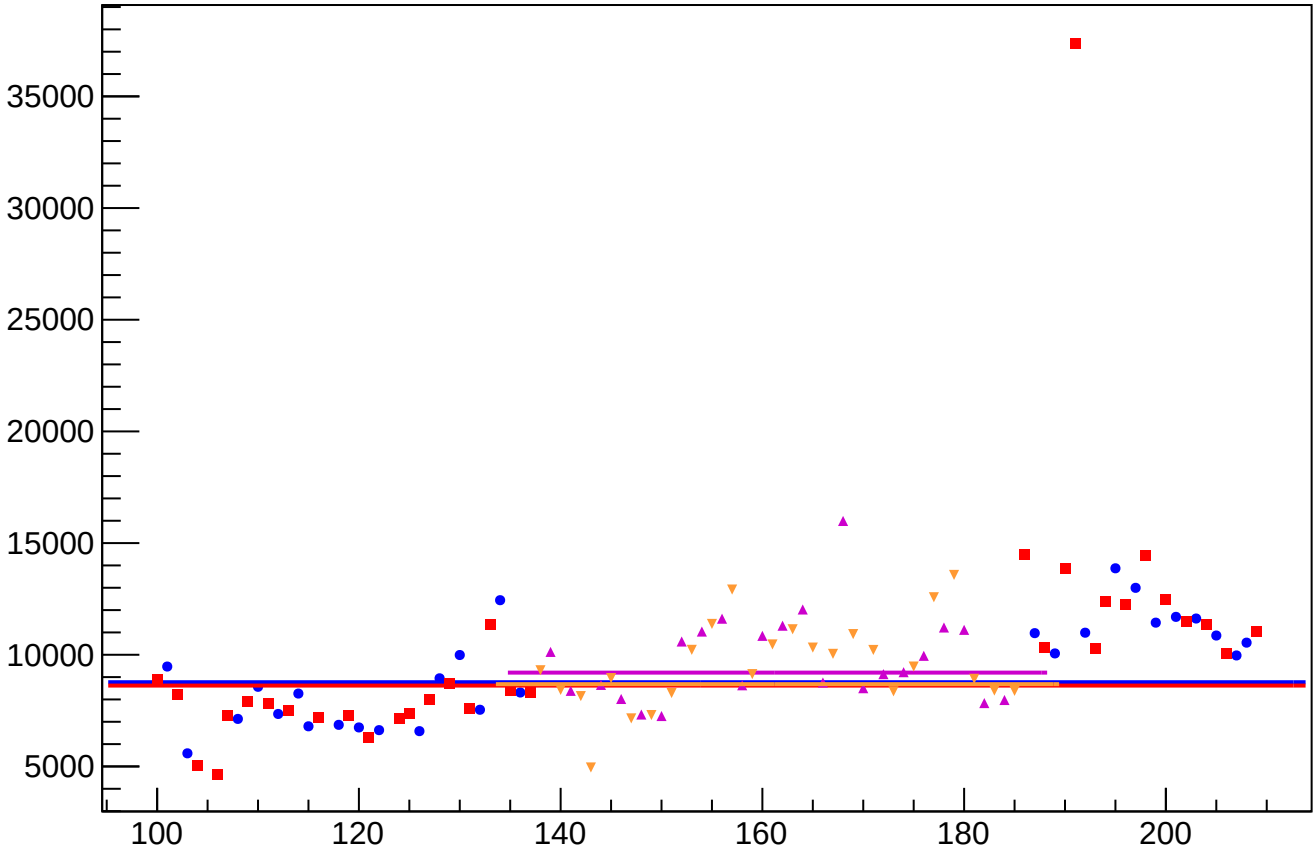
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2131.555+/-1520.572 χ^2/NDF: 57.9/51

All: -859.858+/-1084.726 χ^2/NDF: 109.4/106

- sign -3959.609+/-1547.861 χ^2/NDF: 43.6/54

asym_at2_avg_rms vs Slug



Right In: 8771.031+/-1.613 χ^2/NDF: 1884533.8/26

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8620.814+/-1.547 χ^2/NDF: 2664440.6/31

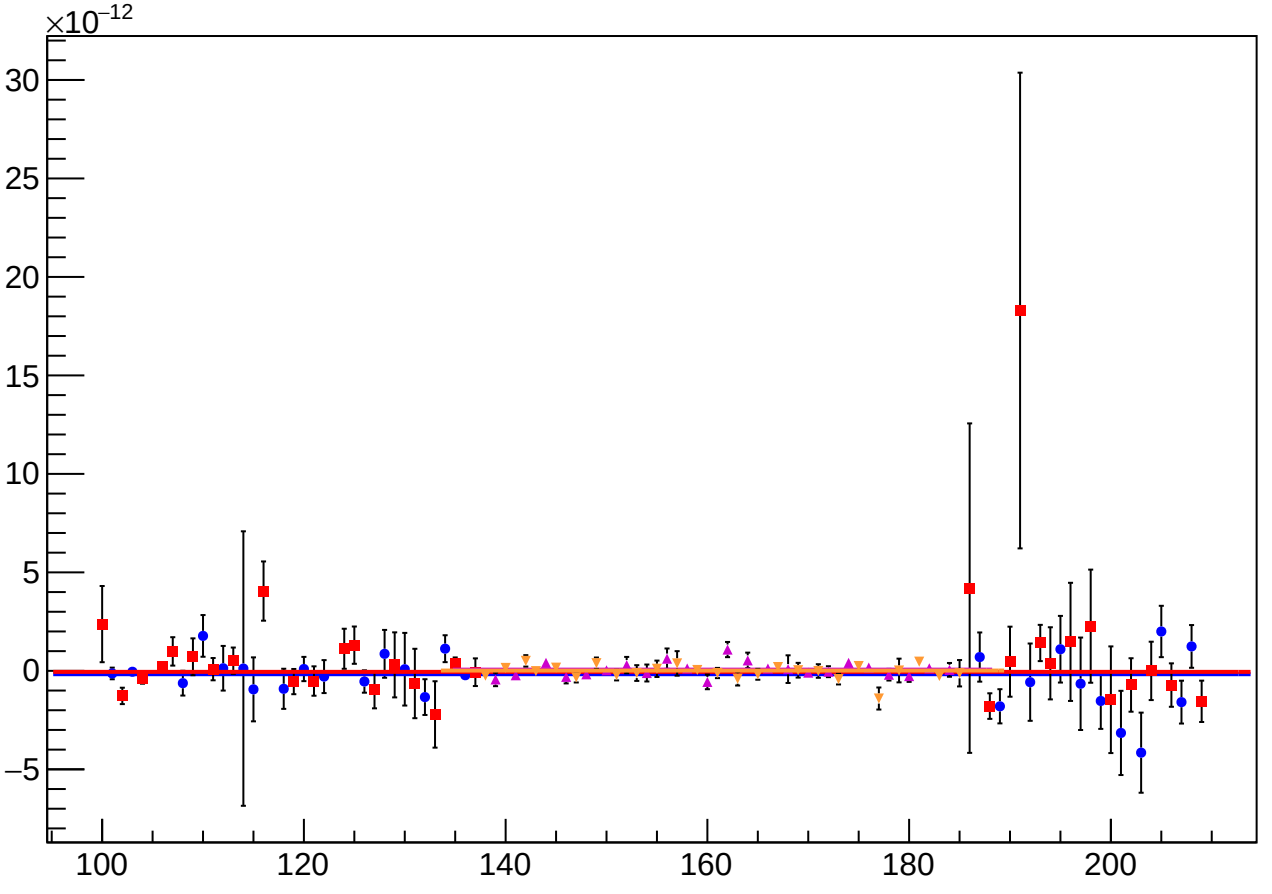
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8722.978+/-1.075 χ^2/NDF: 3937753.4/51

All: 8815.156+/-0.767 χ^2/NDF: 7816784.2/10

- sign 8910.667+/-1.094 χ^2/NDF: 3864065.6/54

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 49.2/31

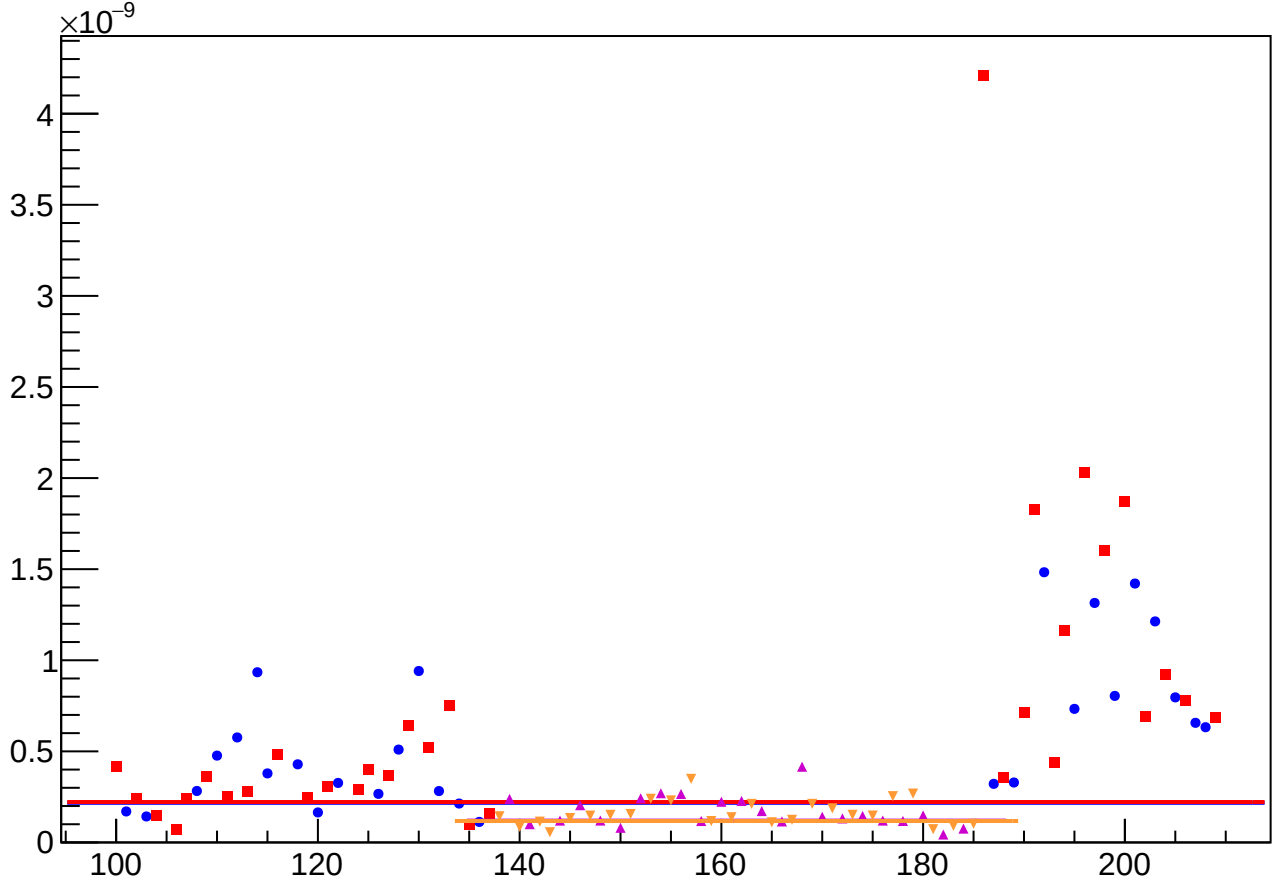
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/51

All: 0.000+/-0.000 χ^2/NDF: 138.7/106

- sign 0.000+/-0.000 χ^2/NDF: 77.8/54

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5722162.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6831051.5/31

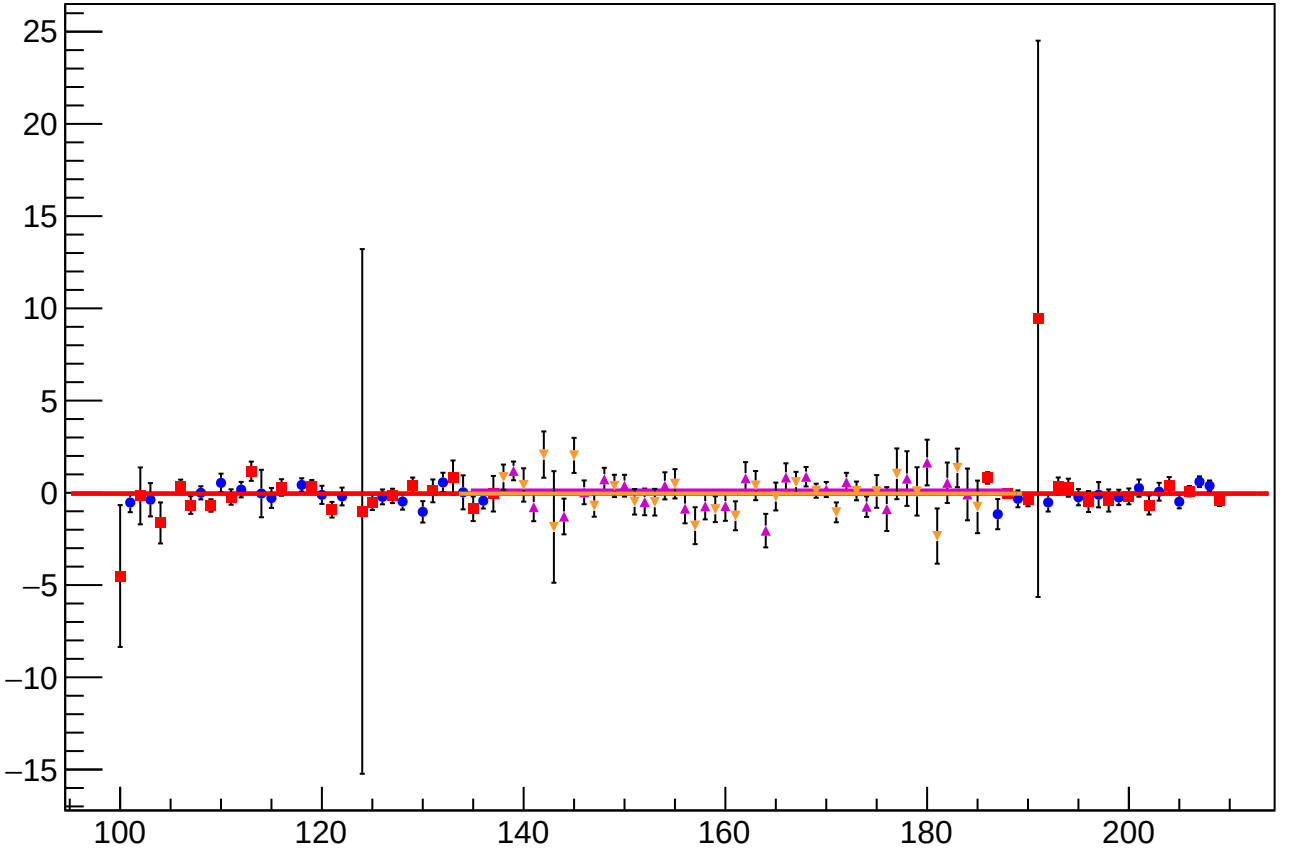
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9335637.3/51

All: 0.000+/-0.000 χ^2/NDF: 20107758.5/106

- sign 0.000+/-0.000 χ^2/NDF: 10765630.7/54

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.055+/-0.076 χ^2/NDF: 40.8/31

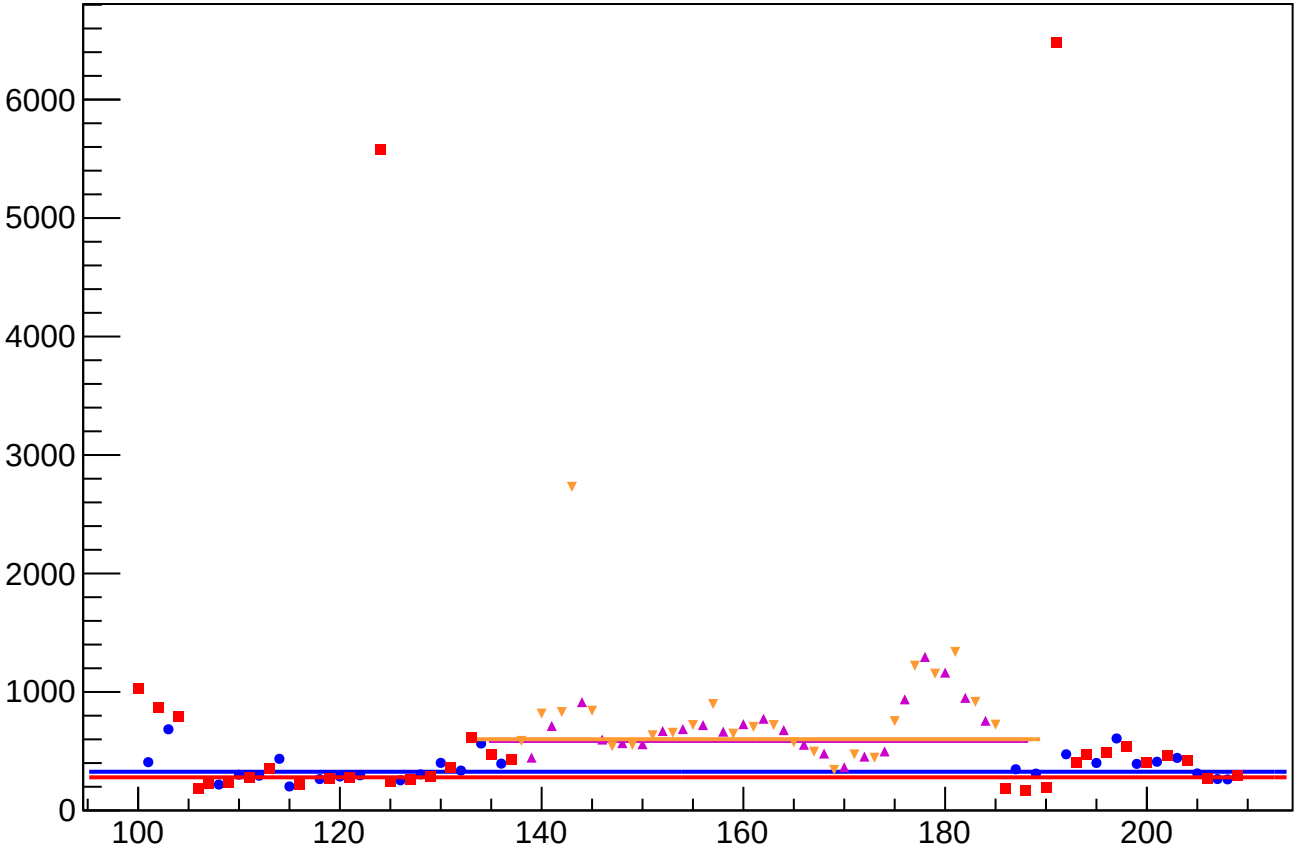
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.024+/-0.050 χ^2/NDF: 124.9/106

- sign -0.015+/-0.067 χ^2/NDF: 71.1/54

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.655+/-0.054 χ^2/NDF: 4988941.4/31

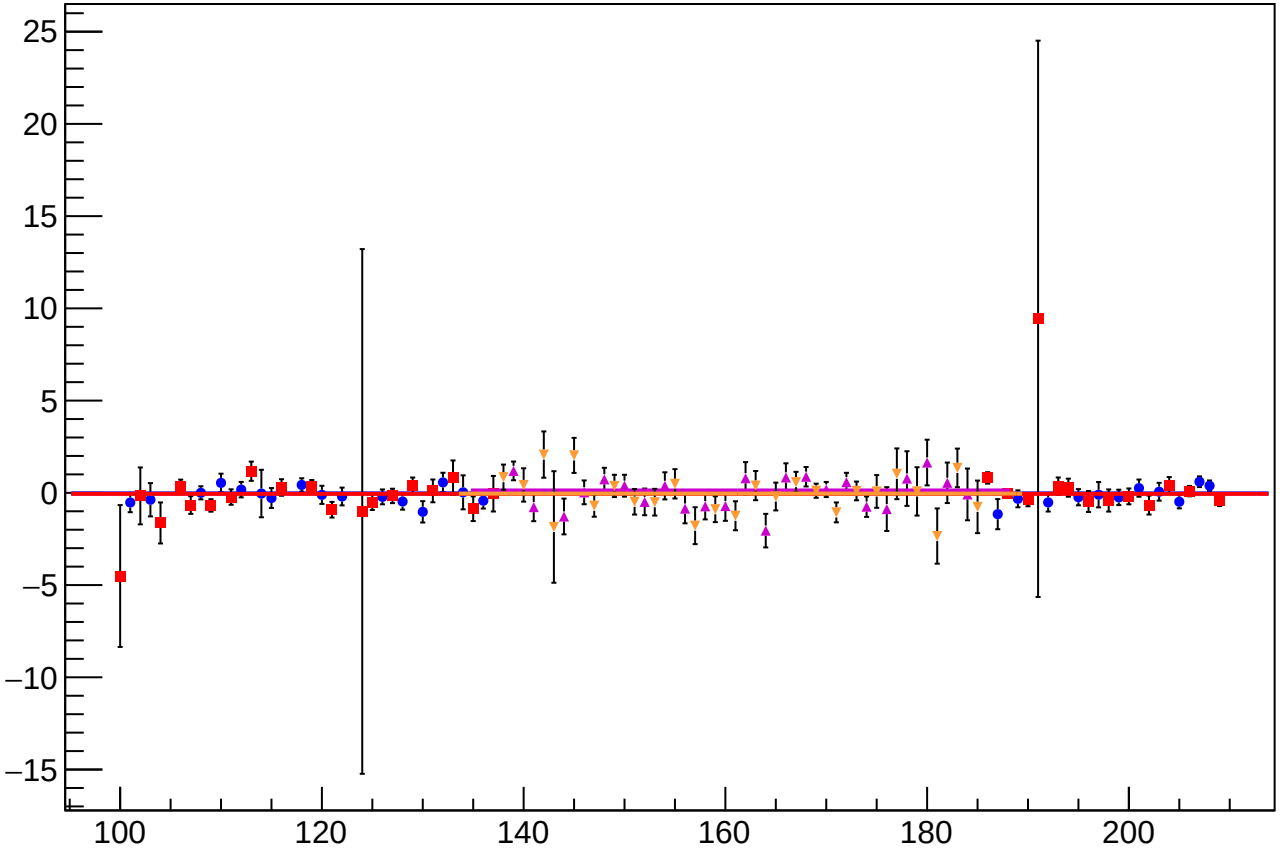
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 397.698+/-0.053 χ^2/NDF: 11655570.3/51

All: 368.901+/-0.035 χ^2/NDF: 27136147.2/10

- sign 345.714+/-0.048 χ^2/NDF: 14948889.1/54

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.055+/-0.076 χ^2/NDF: 40.8/31

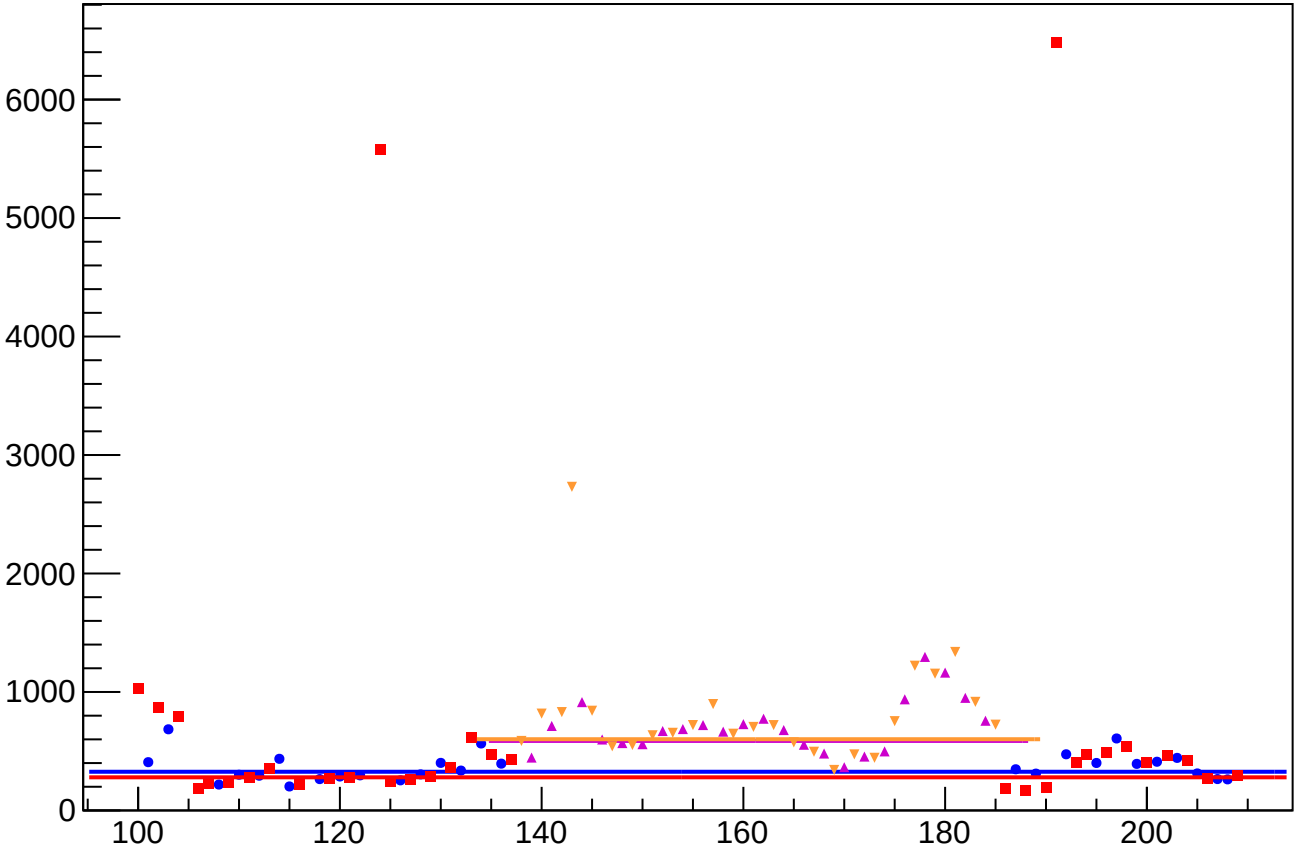
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.024+/-0.050 χ^2/NDF: 124.9/106

- sign -0.015+/-0.067 χ^2/NDF: 71.1/54

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

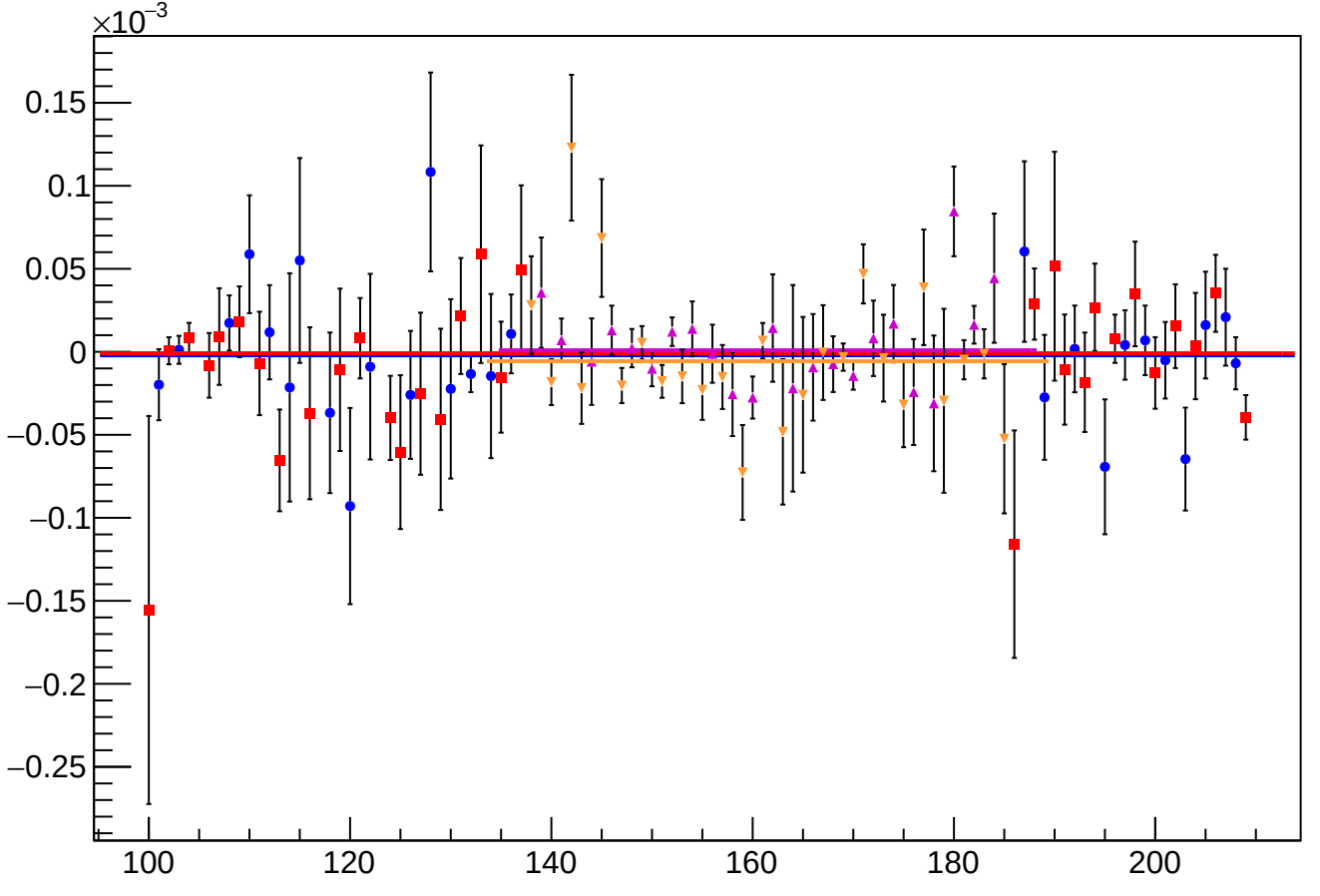
Right Out: 279.655+/-0.054 χ^2/NDF: 4988941.4/31

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

\+ sign 397.698+/-0.053 χ^2/NDF: 11655570.3/51

All: 368.901+/-0.035 χ^2/NDF: 27136147.2/10

\- sign 345.714+/-0.048 χ^2/NDF: 14948889.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/31

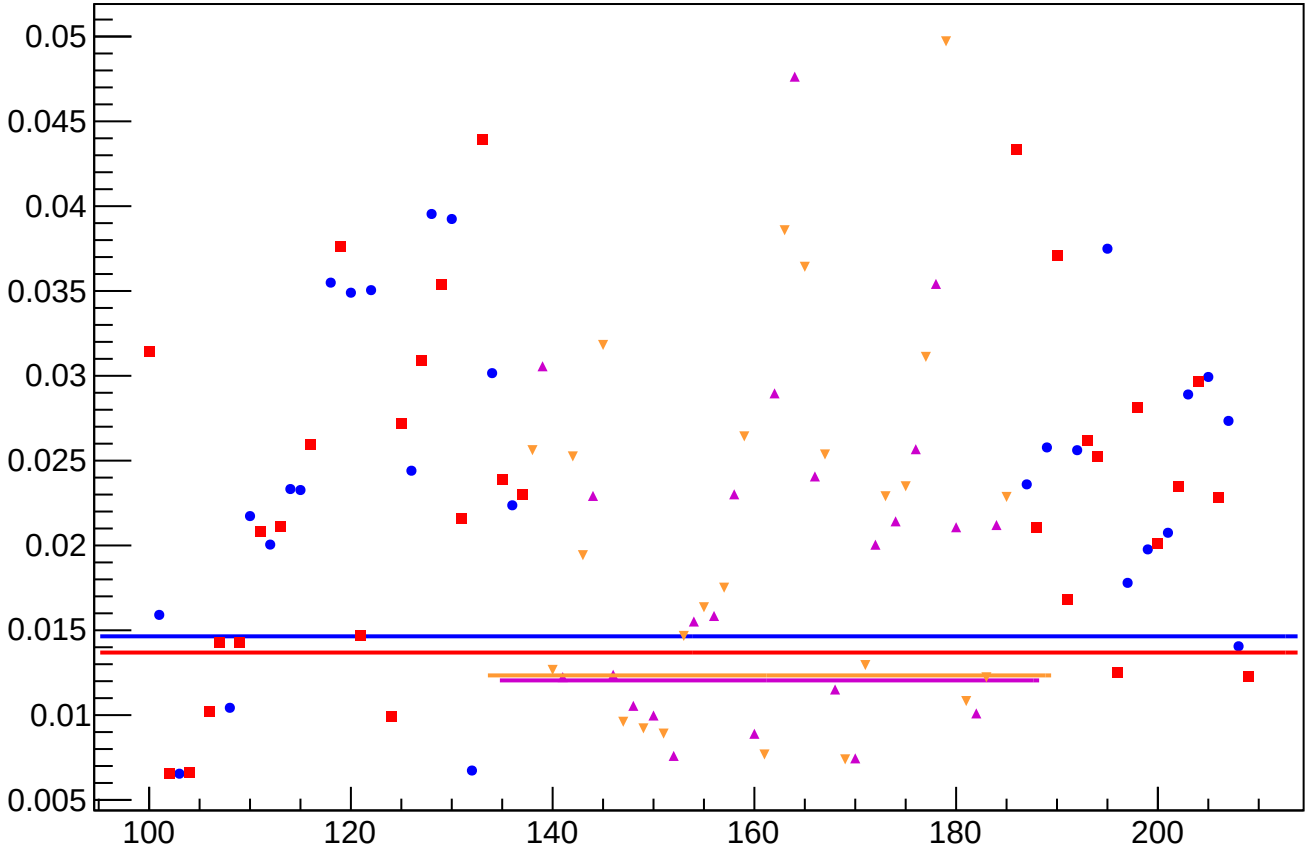
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/51

All: -0.000+/-0.000 χ^2/NDF: 135.5/106

- sign 0.000+/-0.000 χ^2/NDF: 66.4/54

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 8203909.0/26

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8531818.8/31

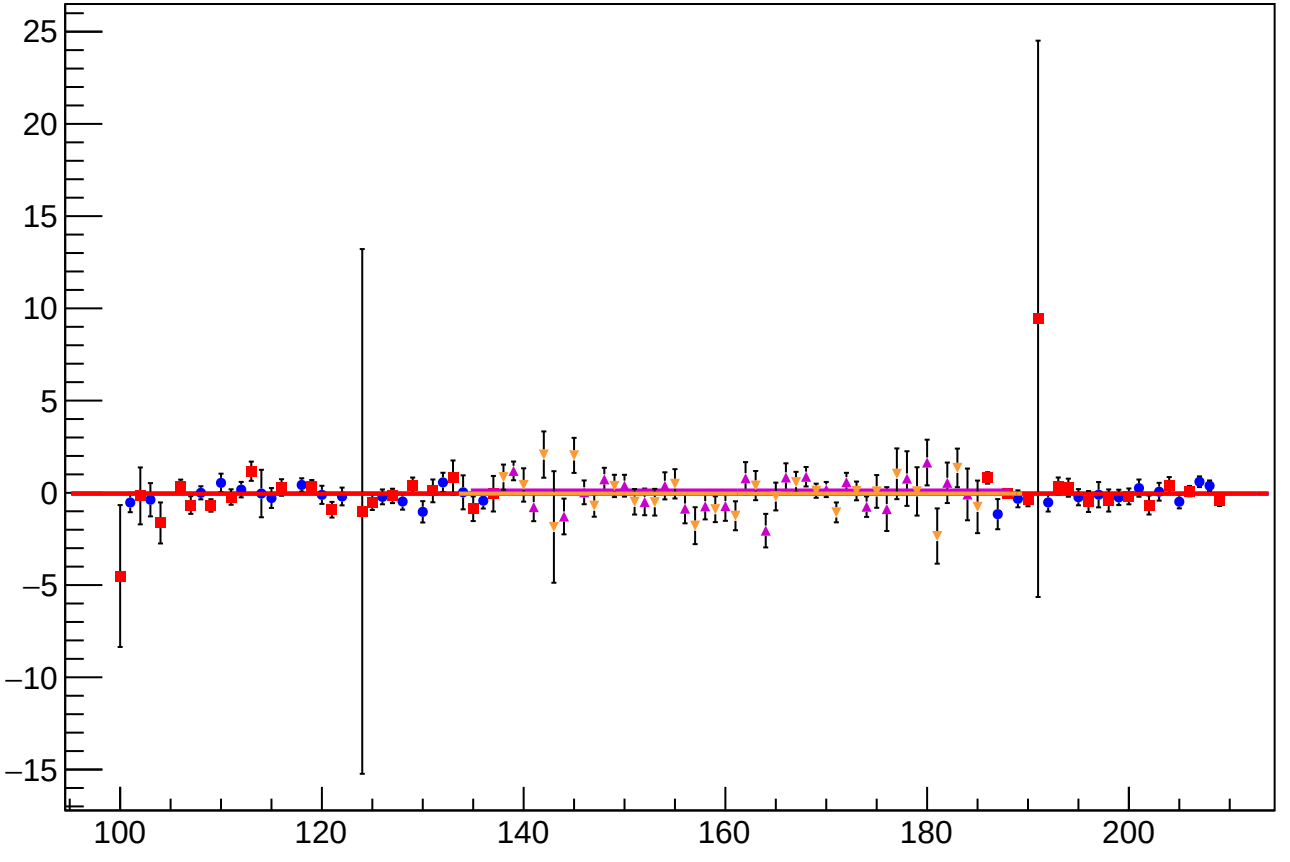
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 16400008.0/51

All: 0.013+/-0.000 χ^2/NDF: 31548272.4/106

- sign 0.013+/-0.000 χ^2/NDF: 15120438.6/54

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.055+/-0.076 χ^2/NDF: 40.8/31

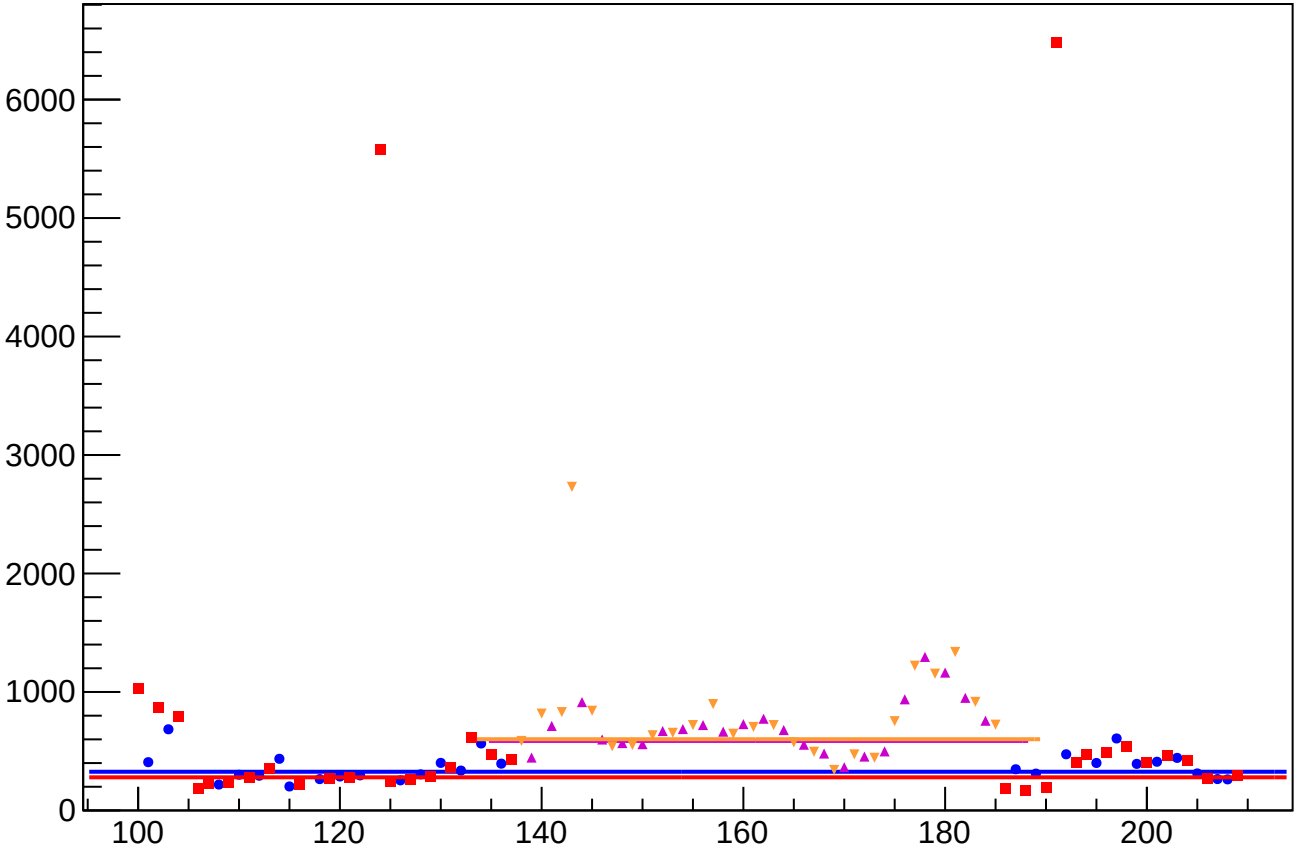
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.024+/-0.050 χ^2/NDF: 124.9/106

- sign -0.015+/-0.067 χ^2/NDF: 71.1/54

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

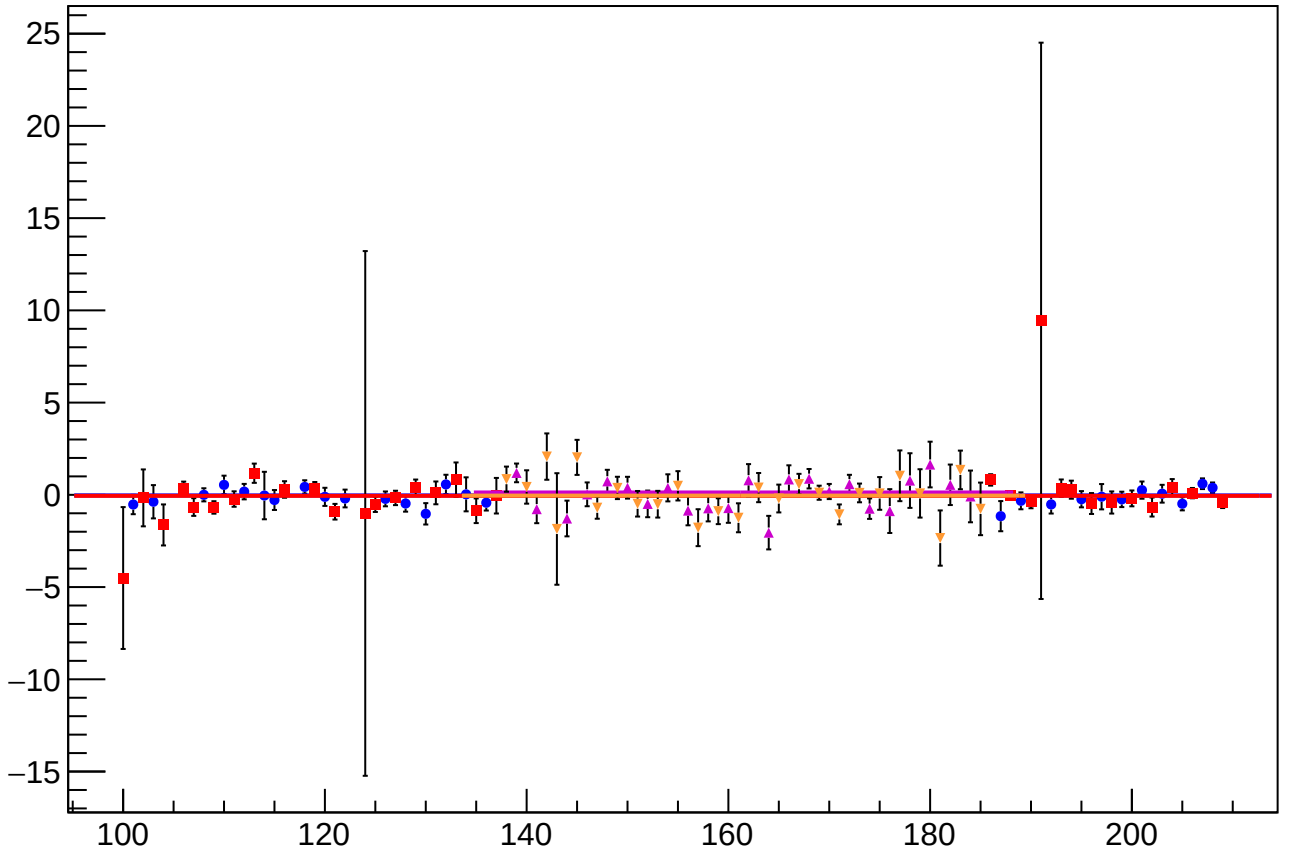
Right Out: 279.649+/-0.054 χ^2/NDF: 4989271.3/31

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 397.697+/-0.053 χ^2/NDF: 11655761.7/51

All: 368.897+/-0.035 χ^2/NDF: 27137270.5/10

- sign 345.708+/-0.048 χ^2/NDF: 14949708.1/54



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

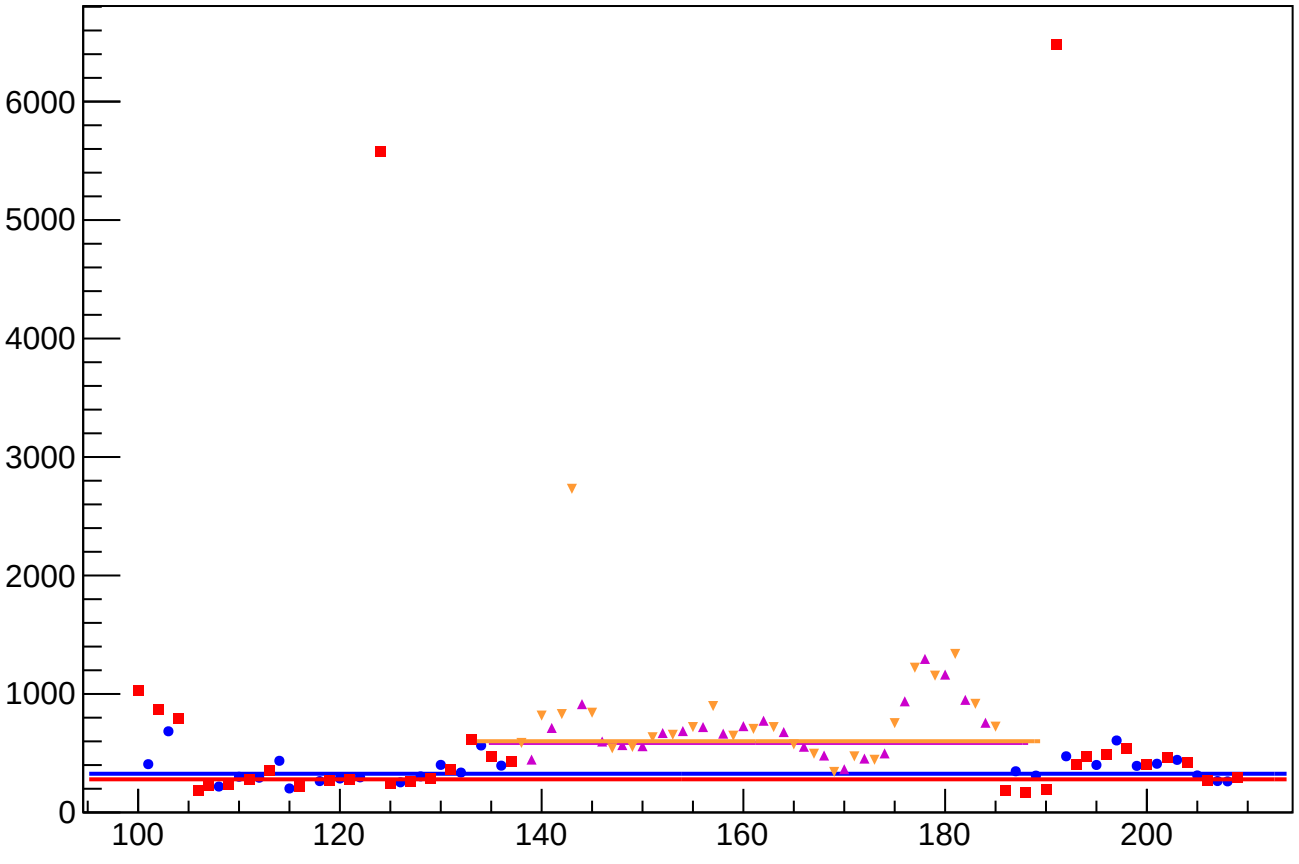
Right Out: -0.055+/-0.076 χ^2/NDF: 40.8/31

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

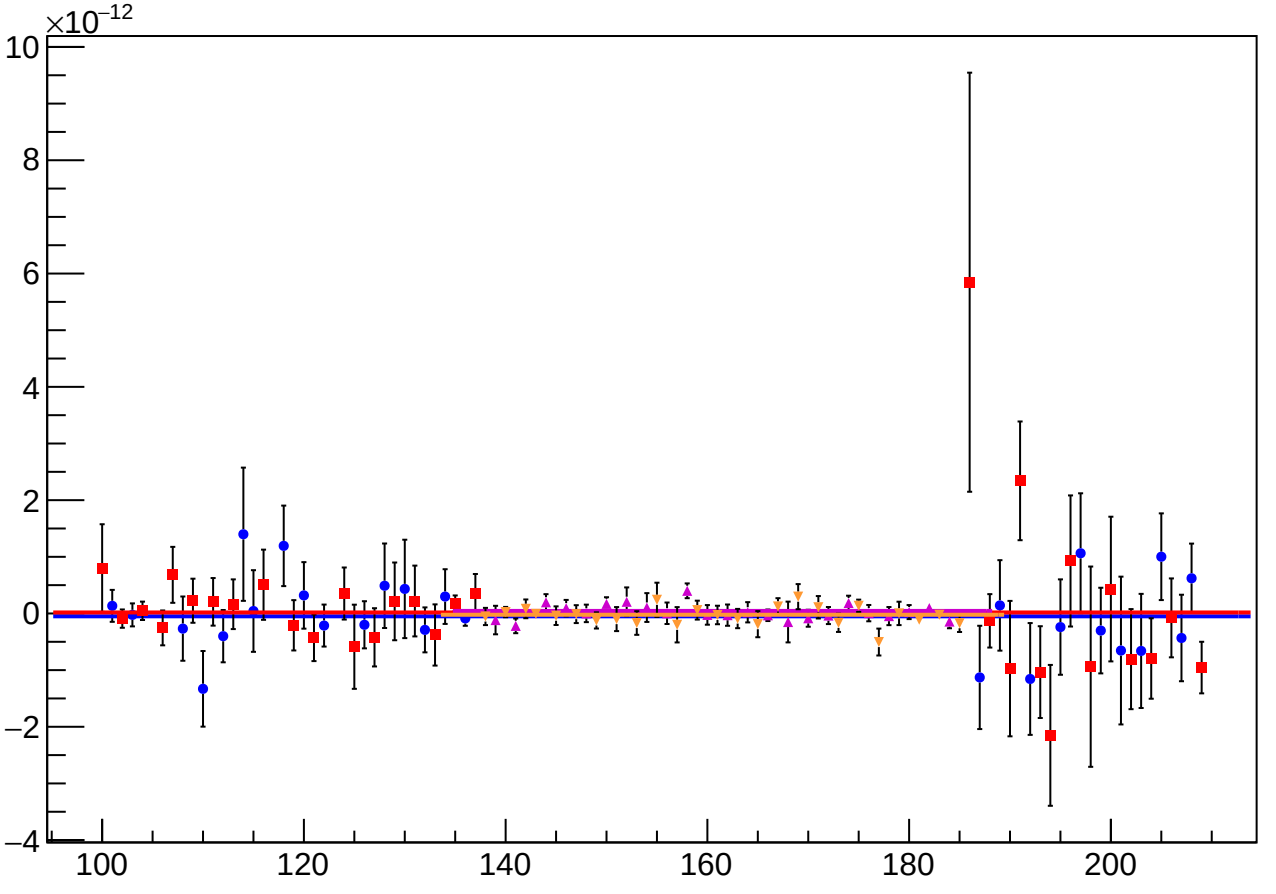
+ sign -0.034+/-0.075 χ^2/NDF: 53.8/51

All: -0.024+/-0.050 χ^2/NDF: 124.9/106

- sign -0.015+/-0.067 χ^2/NDF: 71.1/54


asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 326.649+/-0.062 χ²/NDF: 2059498.0/26
Left Out: 601.214+/-0.104 χ²/NDF:4460662.1/24
Right Out: 279.649+/-0.054 χ²/NDF: 4989271.3/31
Left In: 586.820+/-0.103 χ²/NDF:2934613.3/22
+ sign 397.697+/-0.053 χ²/NDF: 11655761.7/51
All: 368.897+/-0.035 χ²/NDF: 27137270.5/10
- sign 345.708+/-0.048 χ²/NDF: 14949708.1/54

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

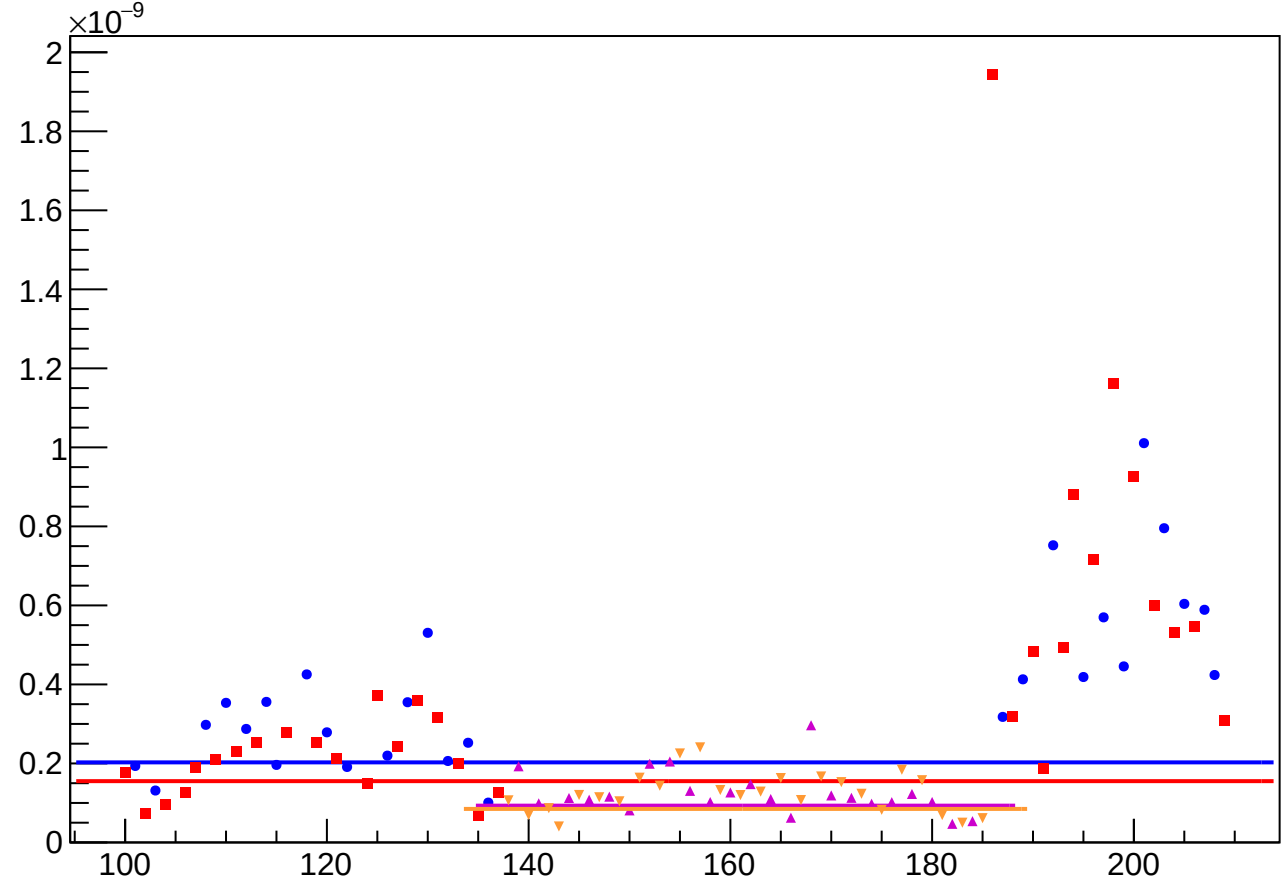
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/31

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.3/51

All: 0.000+/-0.000 χ^2/NDF: 94.3/106

- sign 0.000+/-0.000 χ^2/NDF: 54.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 6506020.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8250629.4/31

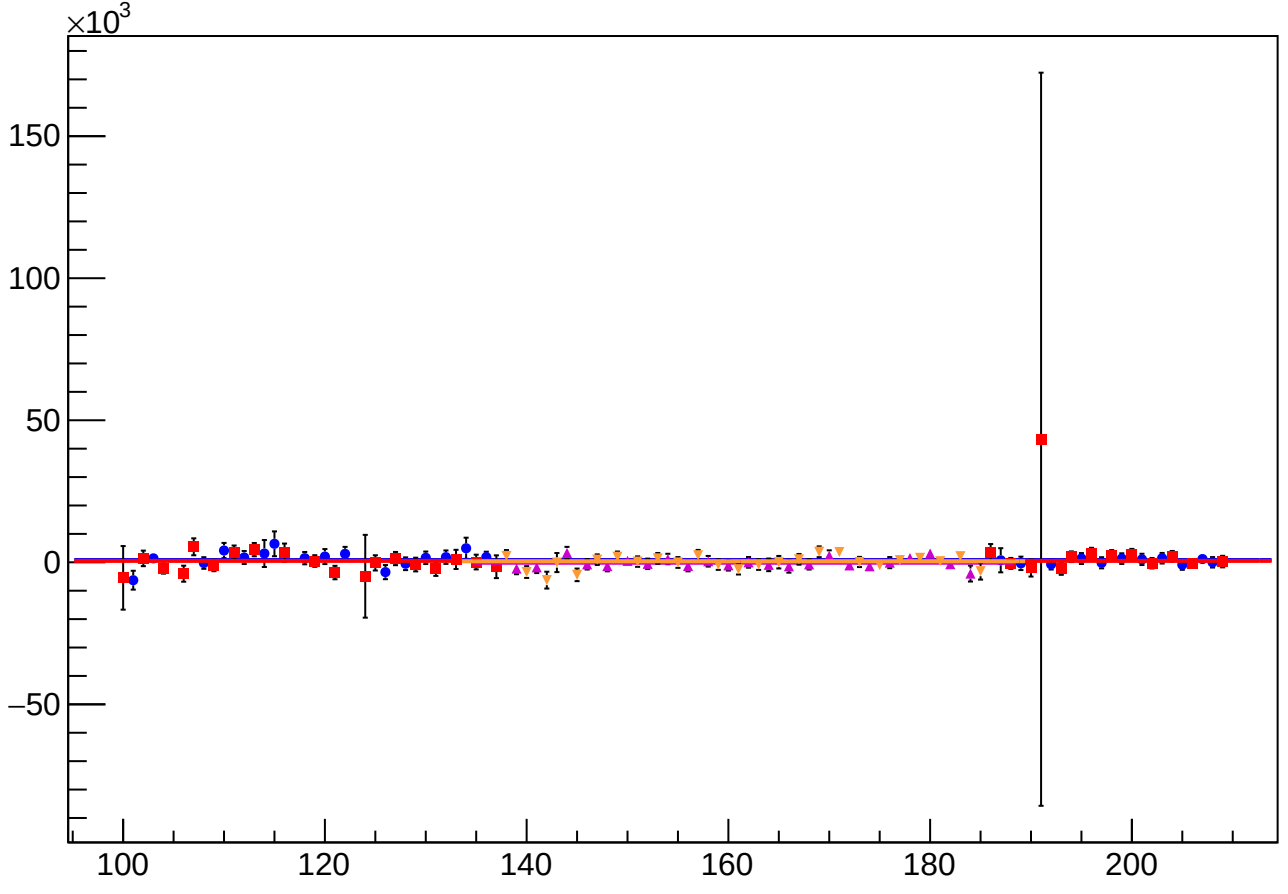
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15791629.0/51

All: 0.000+/-0.000 χ^2/NDF: 29436165.8/106

- sign 0.000+/-0.000 χ^2/NDF: 13579966.4/54

reg_asym_at2_dd_mean vs Slug



Right In: 796.791+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 501.044+/-414.259 χ^2/NDF: 28.9/31

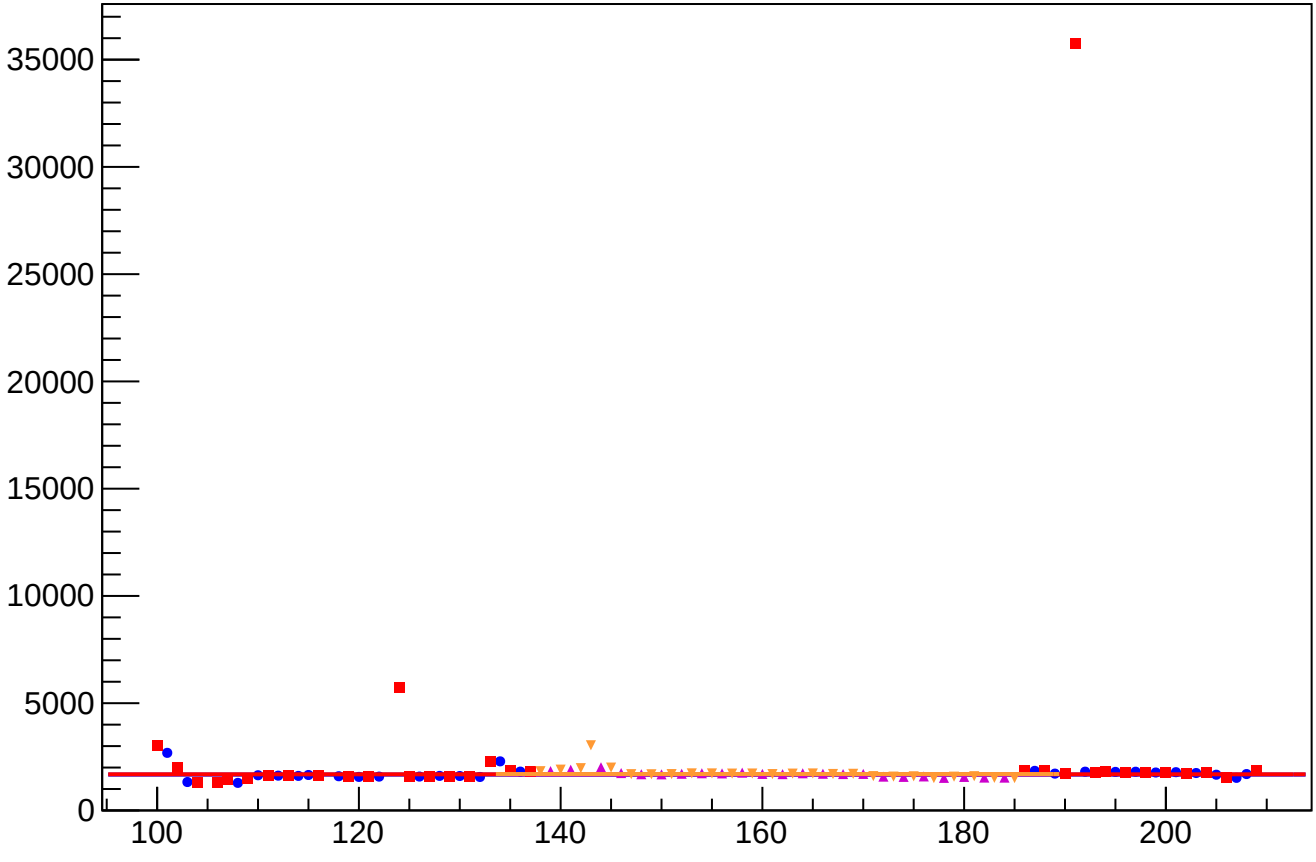
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 560.274+/-286.149 χ^2/NDF: 47.5/51

All: 357.612+/-202.140 χ^2/NDF: 94.8/106

\- sign 155.738+/-285.592 χ^2/NDF: 46.3/54

reg_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.5/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1685.365+/-0.293 χ^2/NDF: 709381.7/31

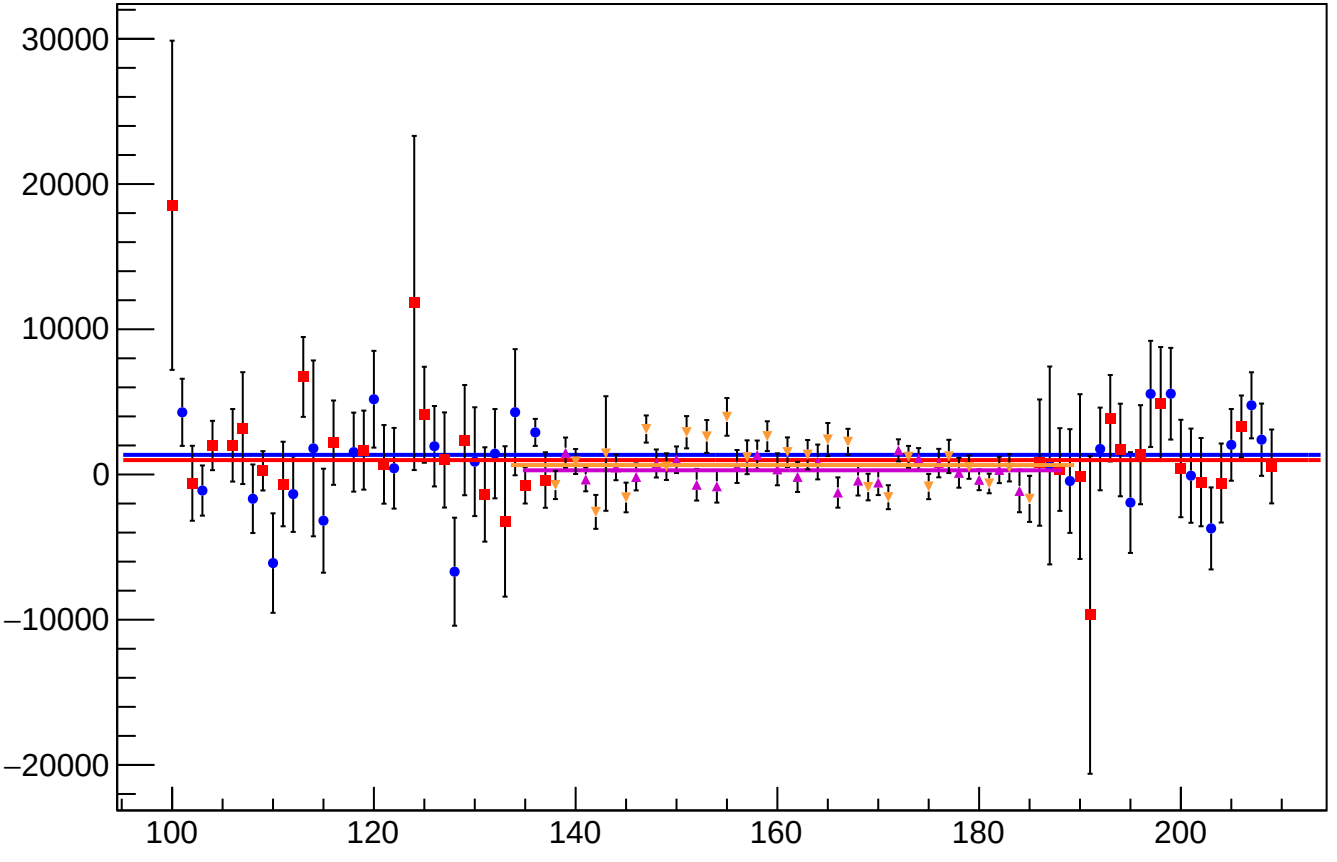
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF: 988292.4/51

All: 1685.170+/-0.143 χ^2/NDF: 1863035.9/10

- sign 1684.951+/-0.202 χ^2/NDF: 874741.2/54

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1351.905+/-487.778 χ^2/NDF: 32.3/26

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 991.630+/-471.255 χ^2/NDF: 19.2/31

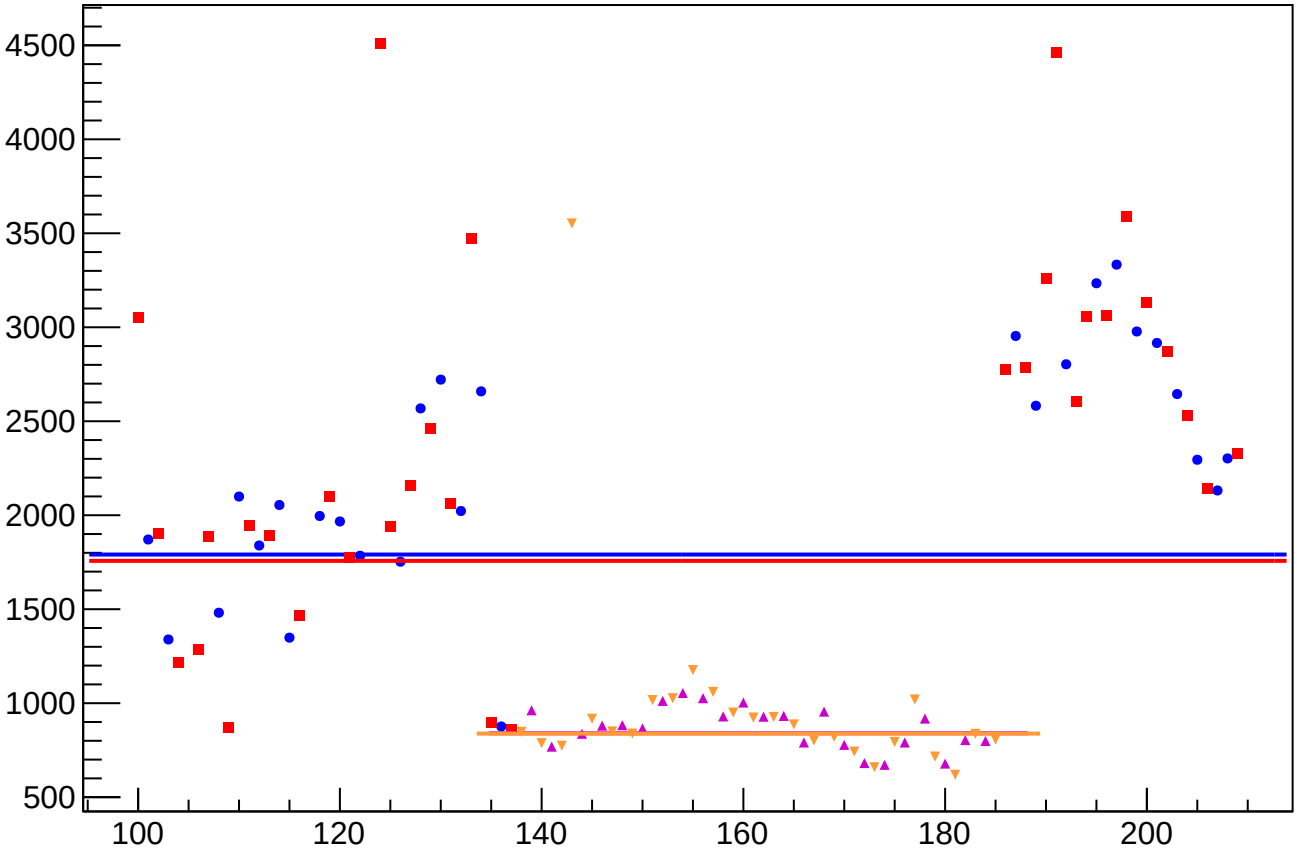
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 746.574+/-181.604 χ^2/NDF: 99.6/51

All: 571.840+/-128.879 χ^2/NDF: 139.1/106

- sign 394.546+/-182.929 χ^2/NDF: 37.6/54

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1790.865+/-0.345 χ^2/NDF: 4508267.0/26

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

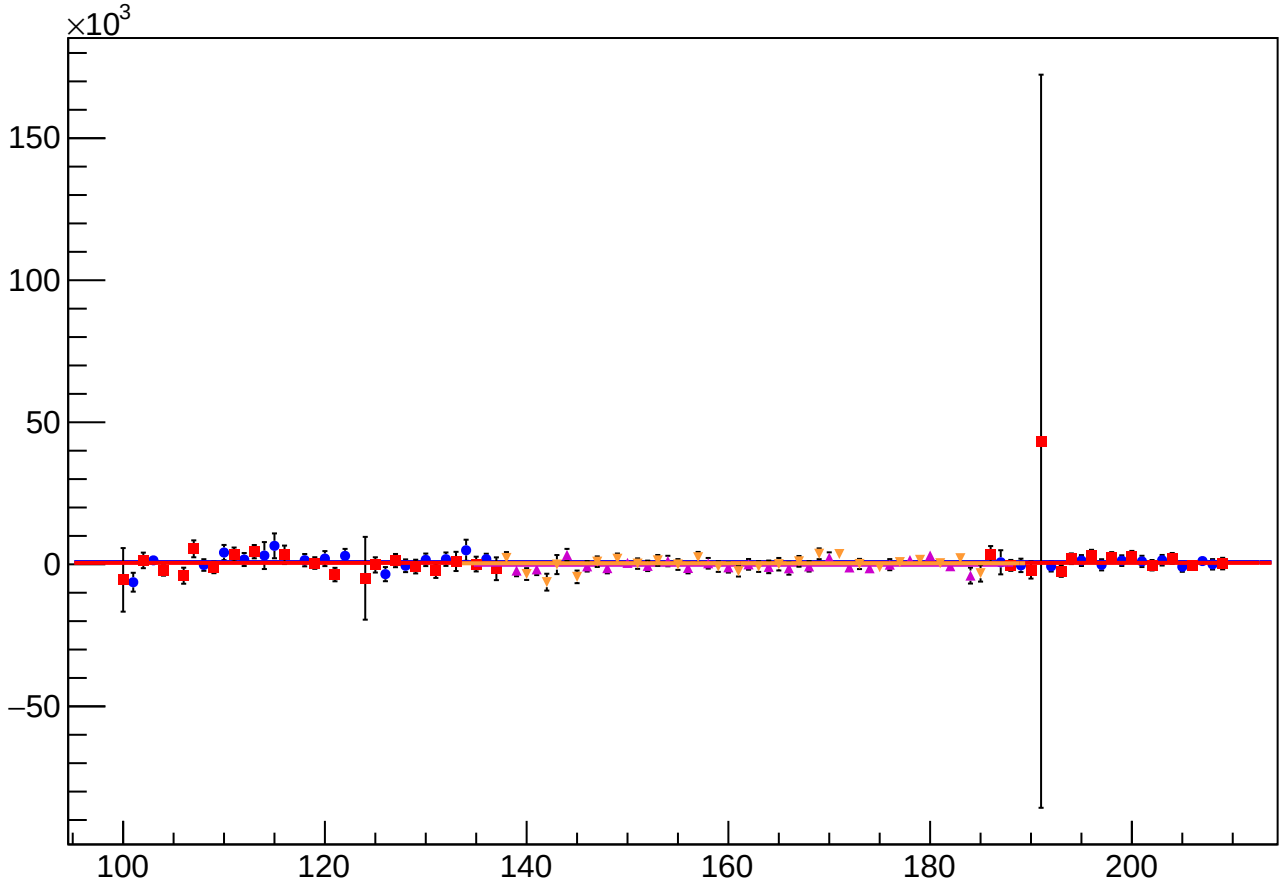
Right Out: 1757.322+/-0.333 χ^2/NDF: 5858969.2/31

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 970.289+/-0.128 χ^2/NDF: 12879423.6/51

All: 974.216+/-0.091 χ^2/NDF: 25846215.3/10

- sign 978.201+/-0.129 χ^2/NDF: 12964907.0/54



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 501.181+/-414.259 χ^2/NDF: 28.9/31

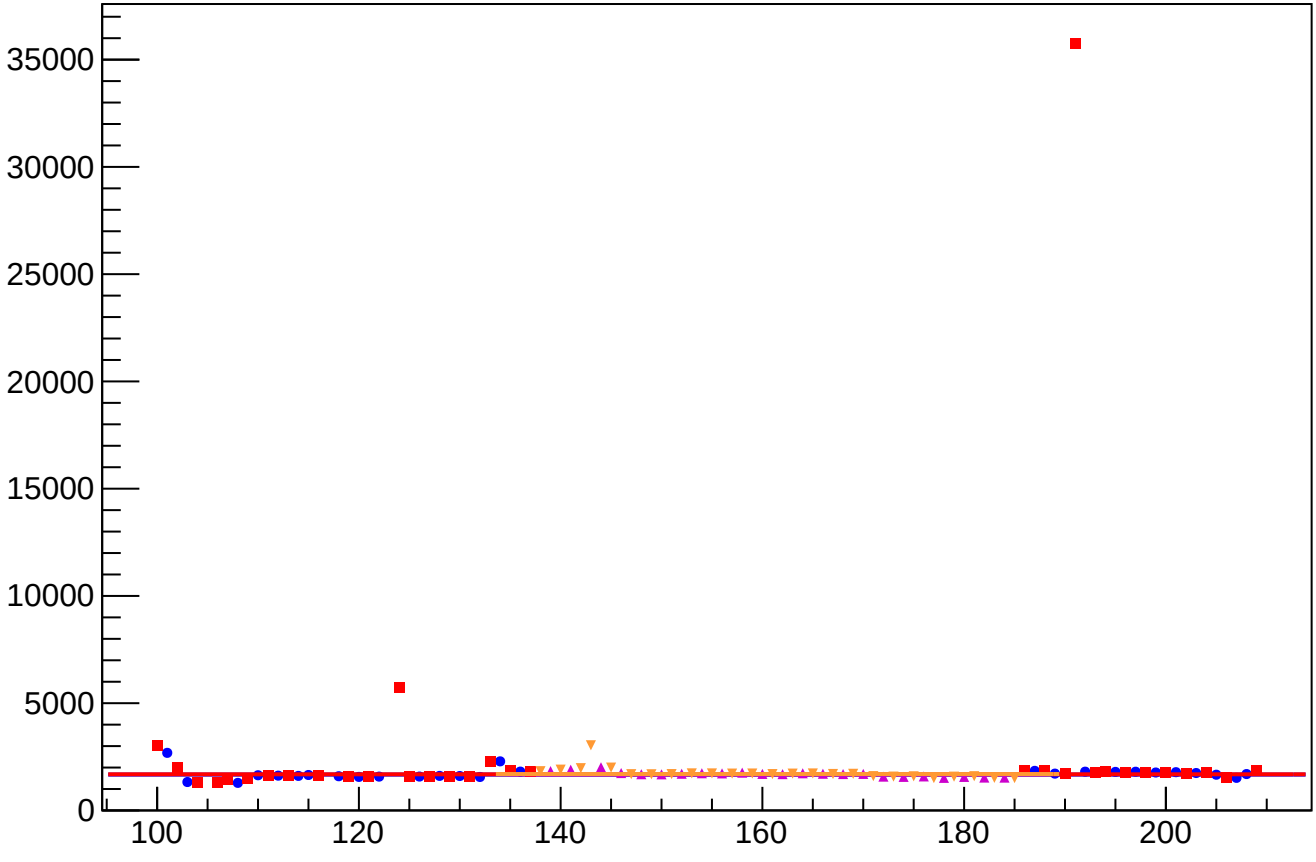
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

\+ sign 560.252+/-286.149 χ^2/NDF: 47.5/51

All: 357.658+/-202.140 χ^2/NDF: 94.8/106

\- sign 155.852+/-285.592 χ^2/NDF: 46.3/54

cor_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1685.364+/-0.293 χ^2/NDF: 709381.8/31

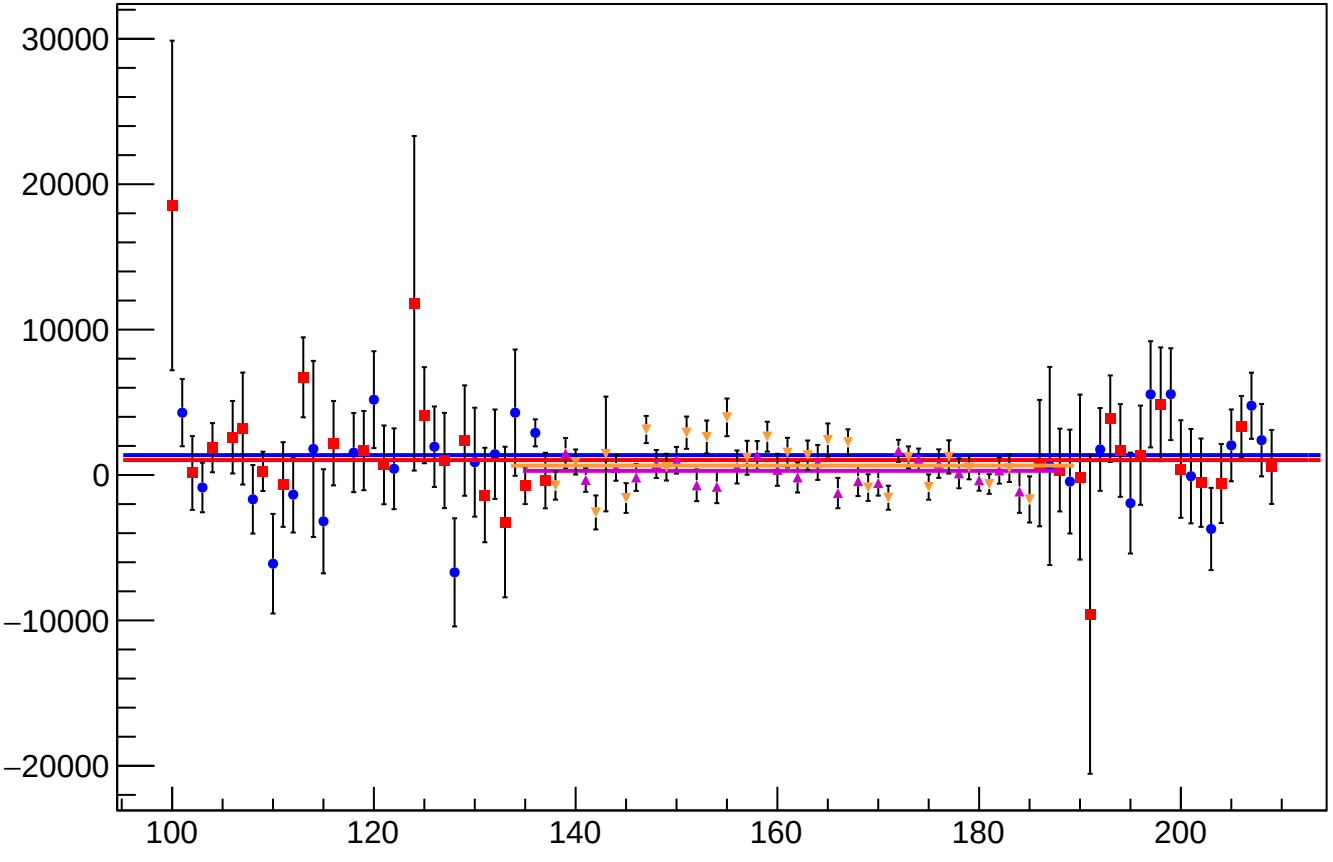
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF: 988292.7/51

All: 1685.170+/-0.143 χ^2/NDF: 1863036.3/10

- sign 1684.951+/-0.202 χ^2/NDF: 874741.3/54

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1028.414+/-470.789 χ^2/NDF: 19.1/31

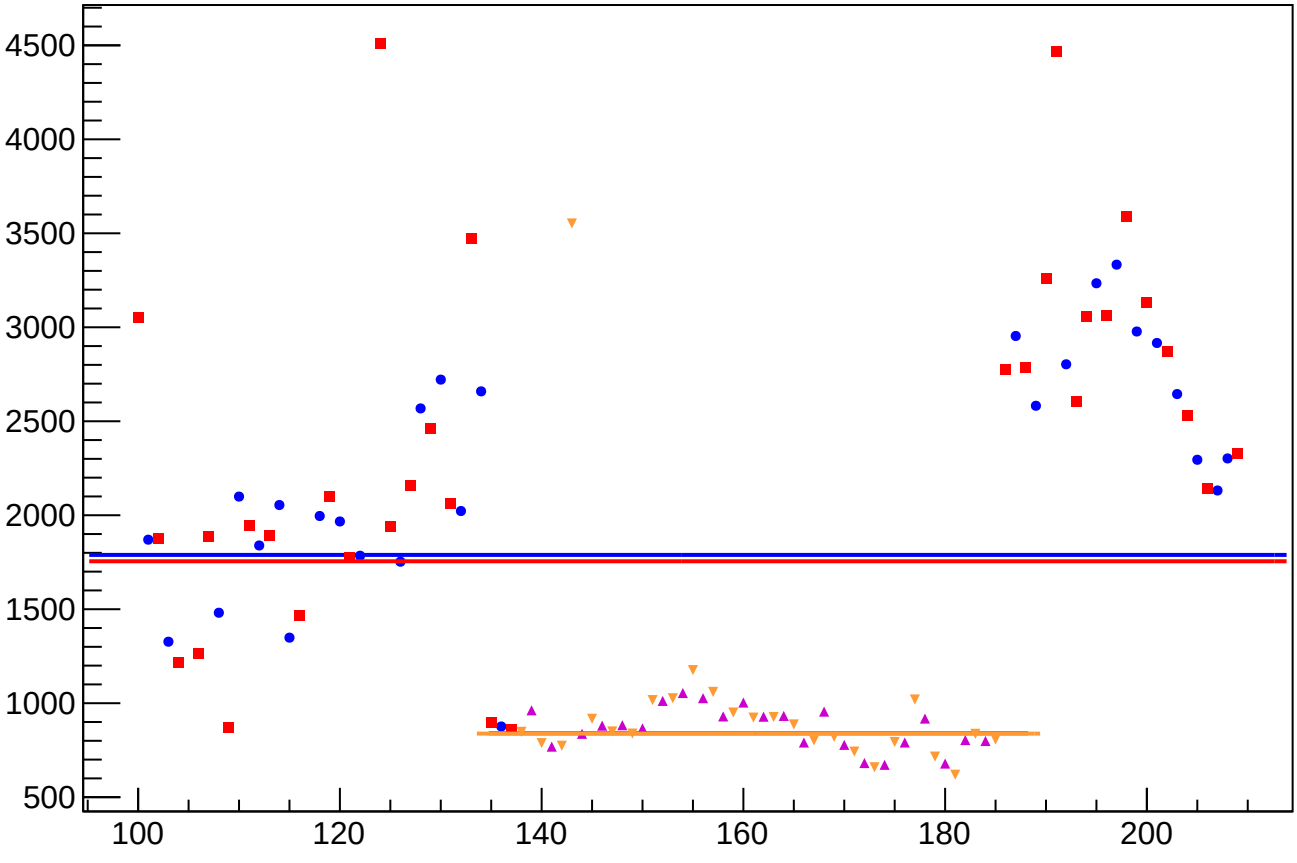
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 748.957+/-181.580 χ^2/NDF: 99.3/51

All: 575.876+/-128.861 χ^2/NDF: 138.9/106

\- sign 400.264+/-182.902 χ^2/NDF: 37.7/54

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1755.114+/-0.333 χ^2/NDF: 5867420.5/31

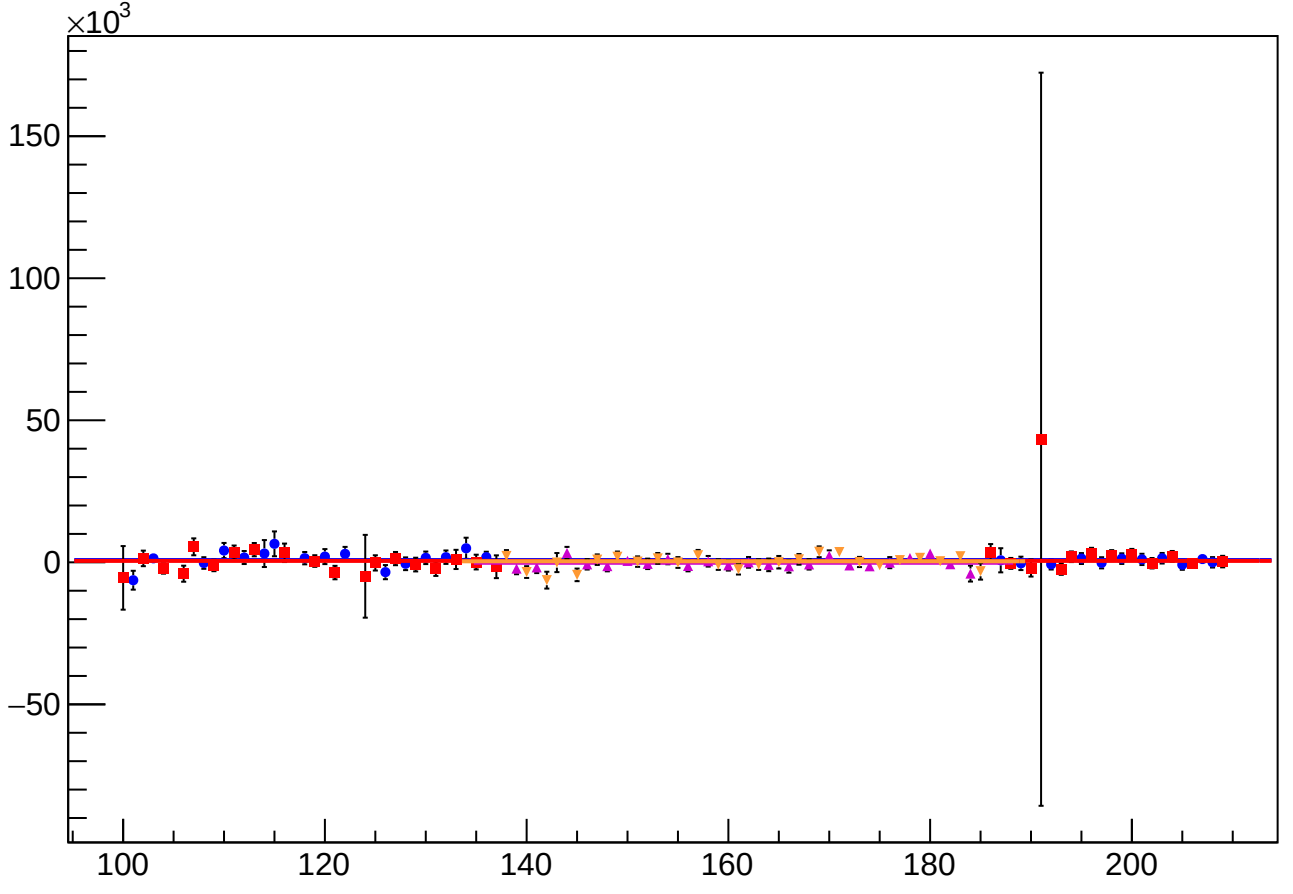
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 970.269+/-0.128 χ^2/NDF: 12875168.9/51

All: 974.158+/-0.091 χ^2/NDF: 25830157.3/10

- sign 978.103+/-0.129 χ^2/NDF: 12953140.5/54

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 501.181+/-414.259 χ^2/NDF: 28.9/31

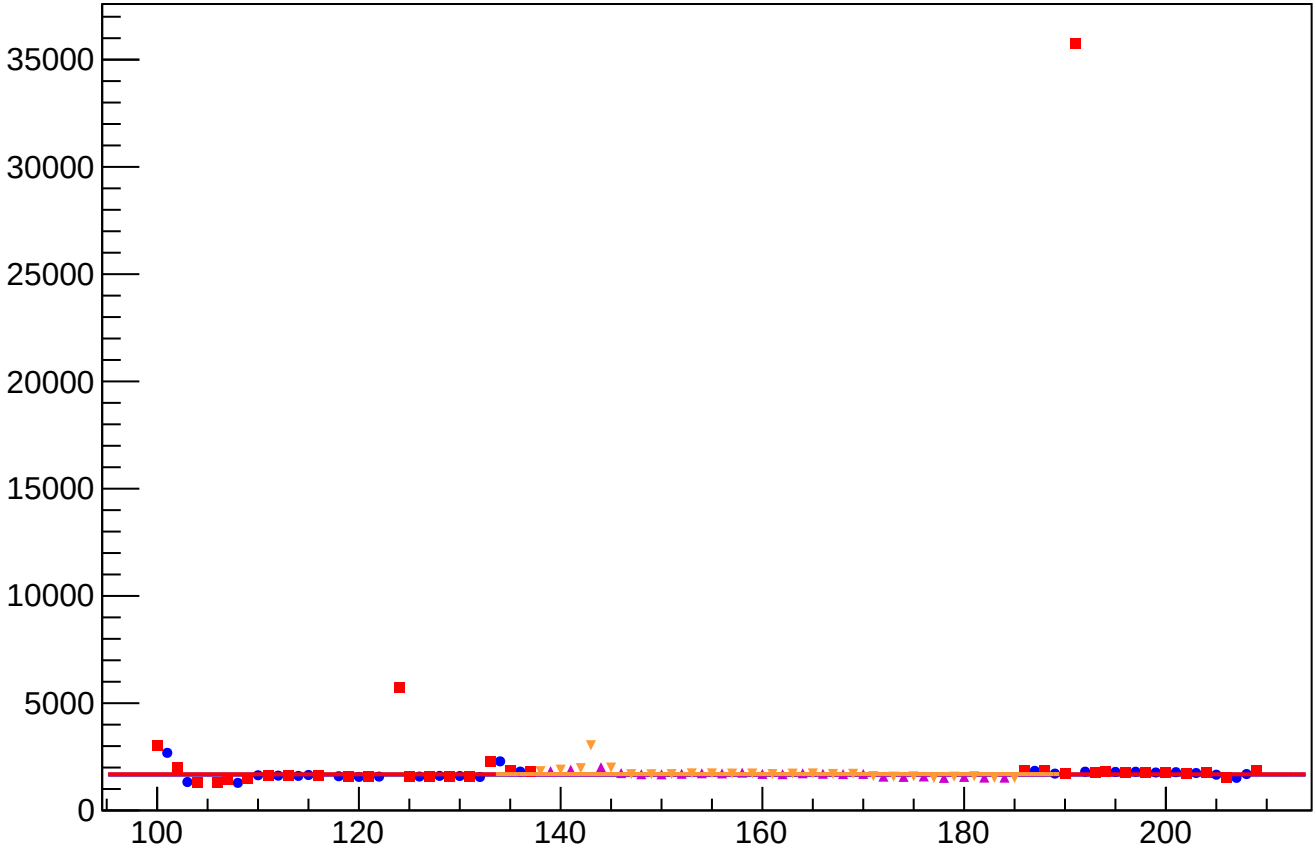
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 560.252+/-286.149 χ^2/NDF: 47.5/51

All: 357.658+/-202.140 χ^2/NDF: 94.8/106

- sign 155.852+/-285.592 χ^2/NDF: 46.3/54

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

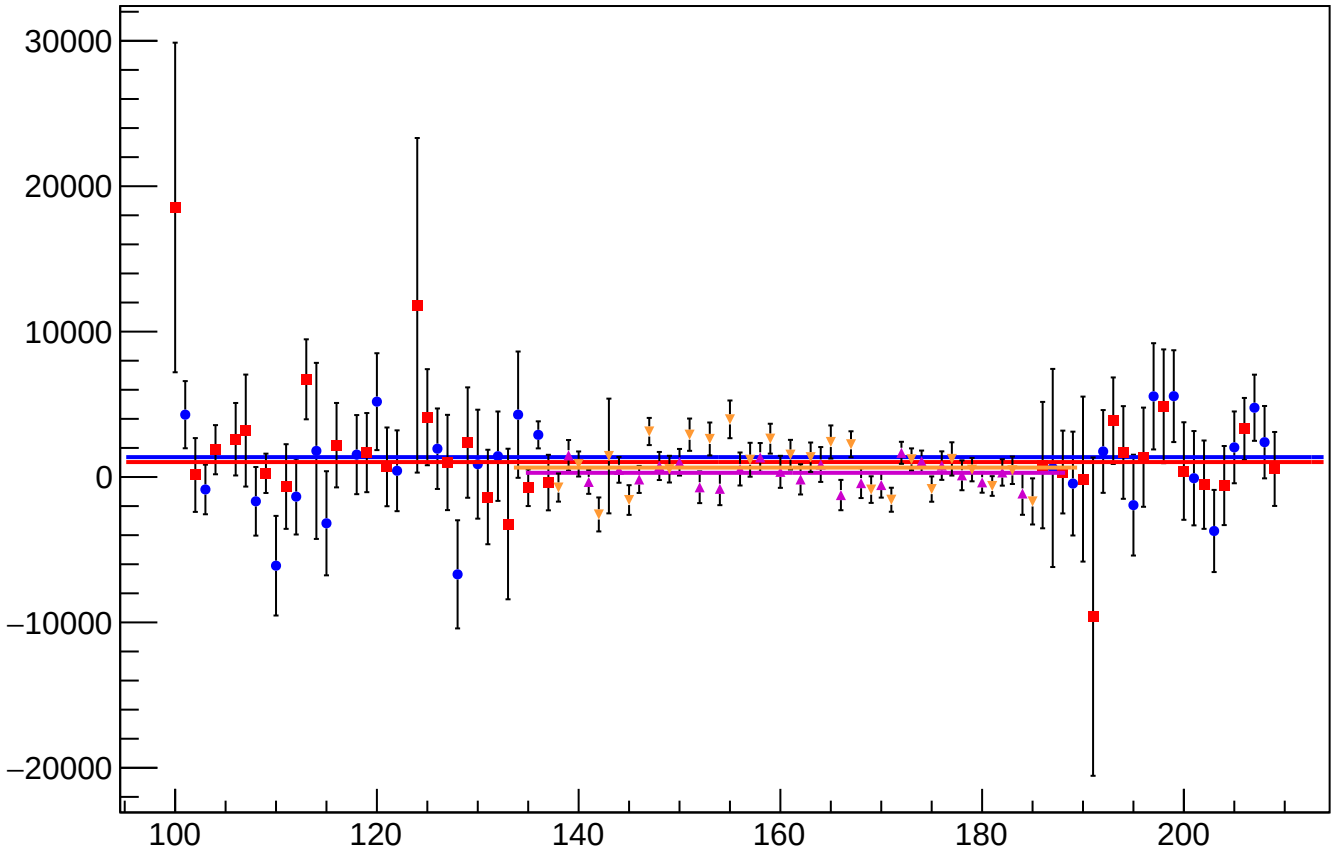
Right Out: 1685.364+/-0.293 χ^2/NDF: 709381.8/31

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1685.389+/-0.202 χ^2/NDF: 988292.7/51

All: 1685.170+/-0.143 χ^2/NDF: 1863036.3/10

- sign 1684.951+/-0.202 χ^2/NDF: 874741.3/54



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1028.414+/-470.789 χ^2/NDF: 19.1/31

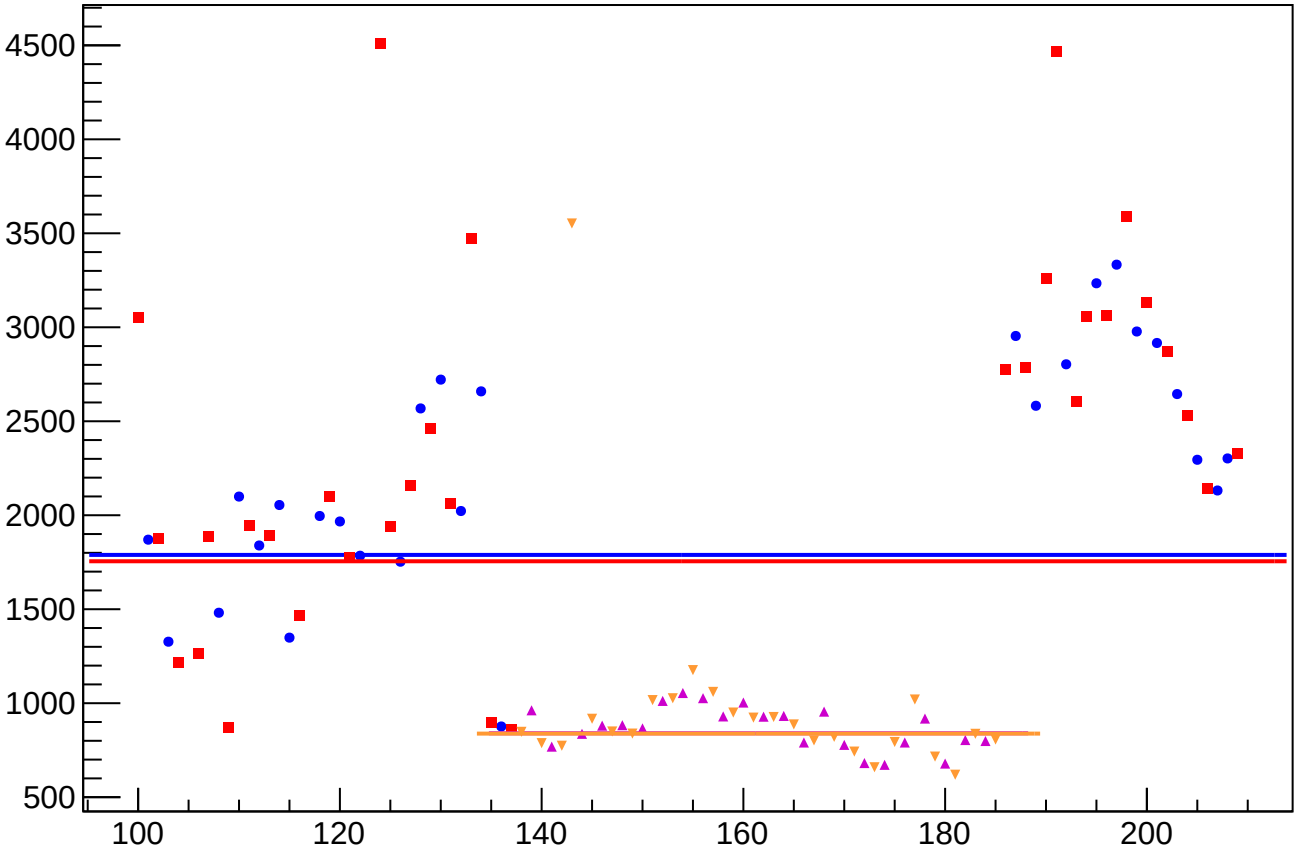
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 748.957+/-181.580 χ^2/NDF: 99.3/51

All: 575.876+/-128.861 χ^2/NDF: 138.9/106

- sign 400.264+/-182.902 χ^2/NDF: 37.7/54

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1755.114+/-0.333 χ^2/NDF: 5867420.5/31

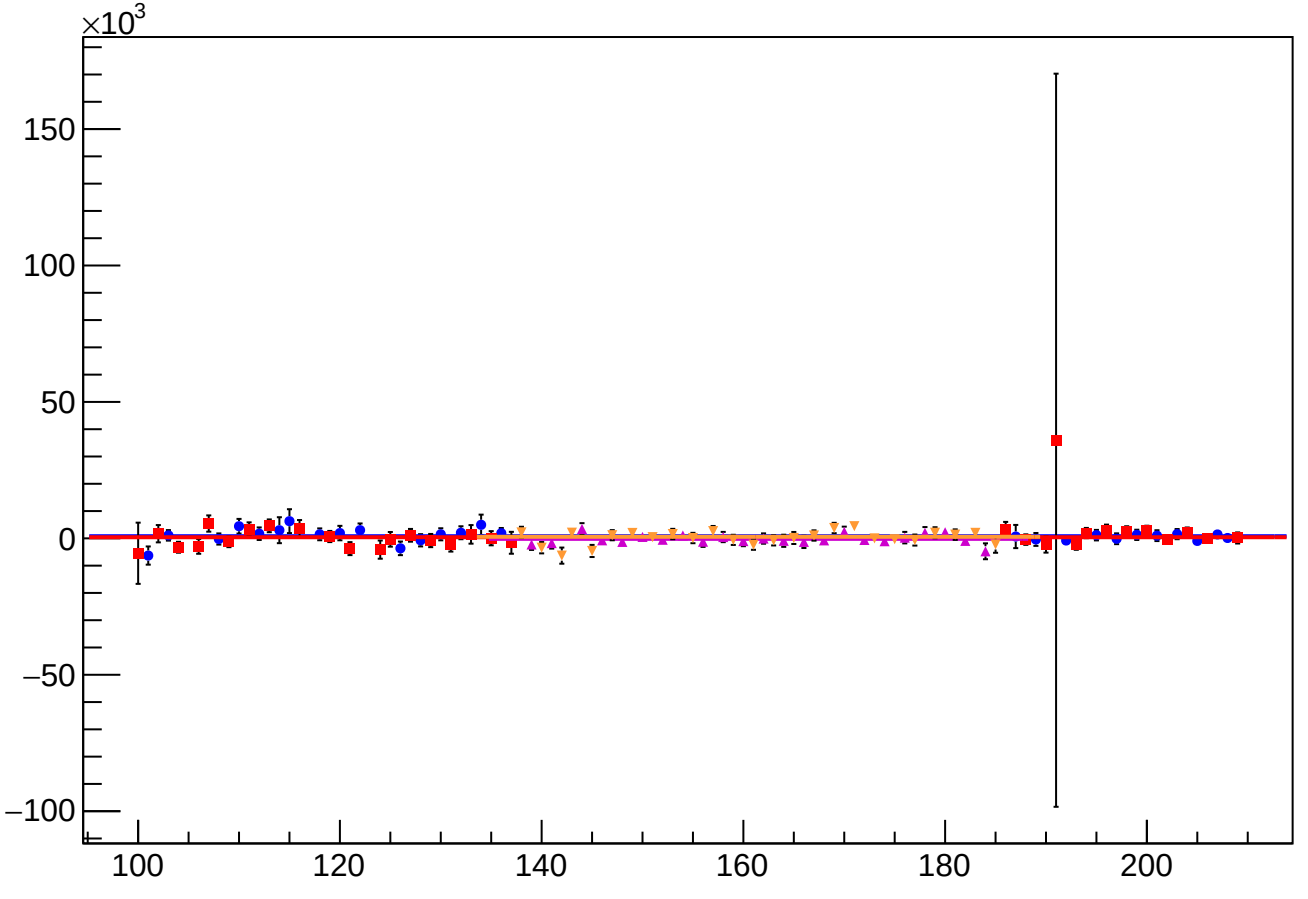
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 970.269+/-0.128 χ^2/NDF: 12875168.9/51

All: 974.158+/-0.091 χ^2/NDF: 25830157.3/10

- sign 978.103+/-0.129 χ^2/NDF: 12953140.5/54

dit_asym_at2_dd_mean vs Slug



Right In: 788.142+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 409.264+/-414.796 χ^2/NDF: 31.1/31

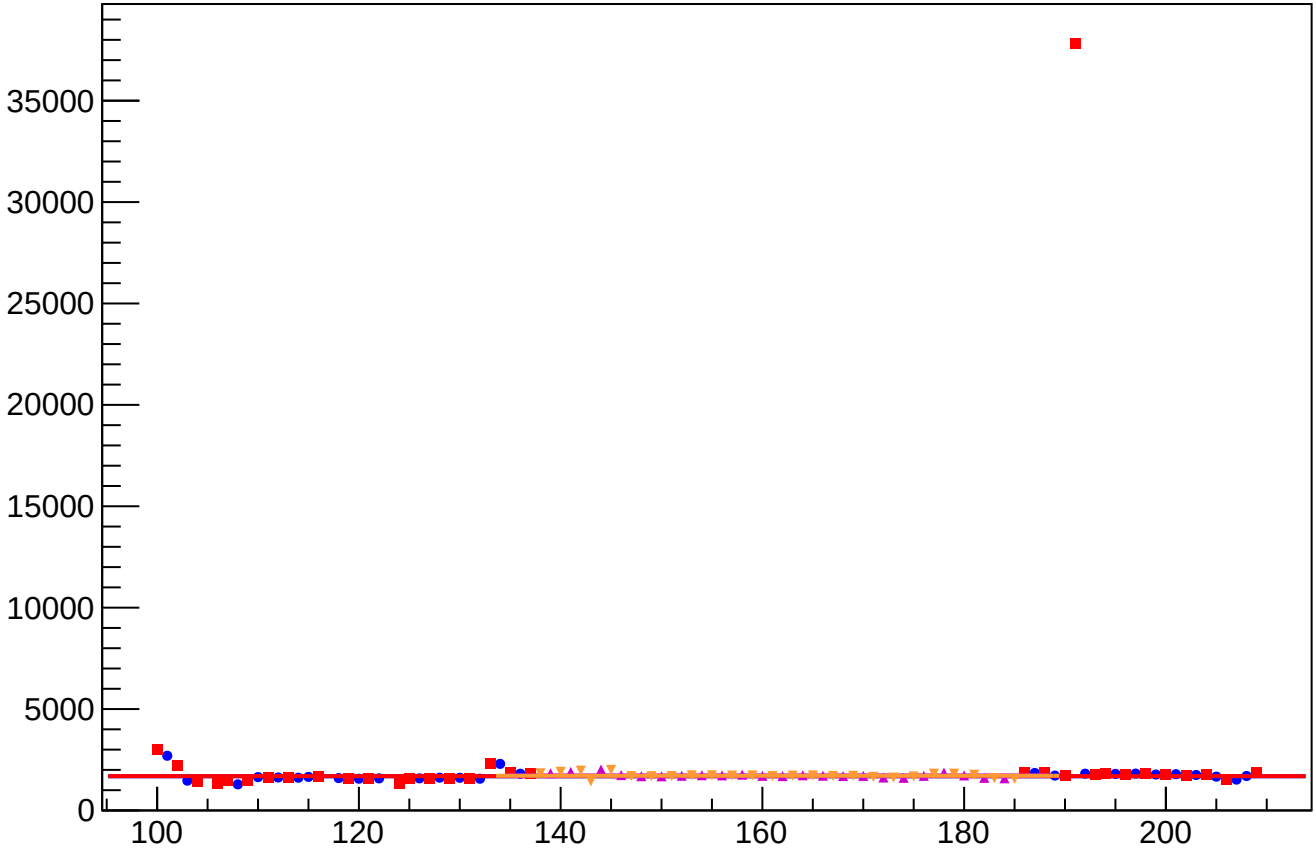
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 674.837+/-287.782 χ^2/NDF: 50.1/51

All: 391.034+/-204.079 χ^2/NDF: 98.6/106

- sign 103.938+/-289.447 χ^2/NDF: 46.6/54

dit_asym_at2_dd_rms vs Slug



Right In: 1684.945+/-0.302 χ^2/NDF: 435519.5/26

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1690.648+/-0.293 χ^2/NDF: 569685.1/31

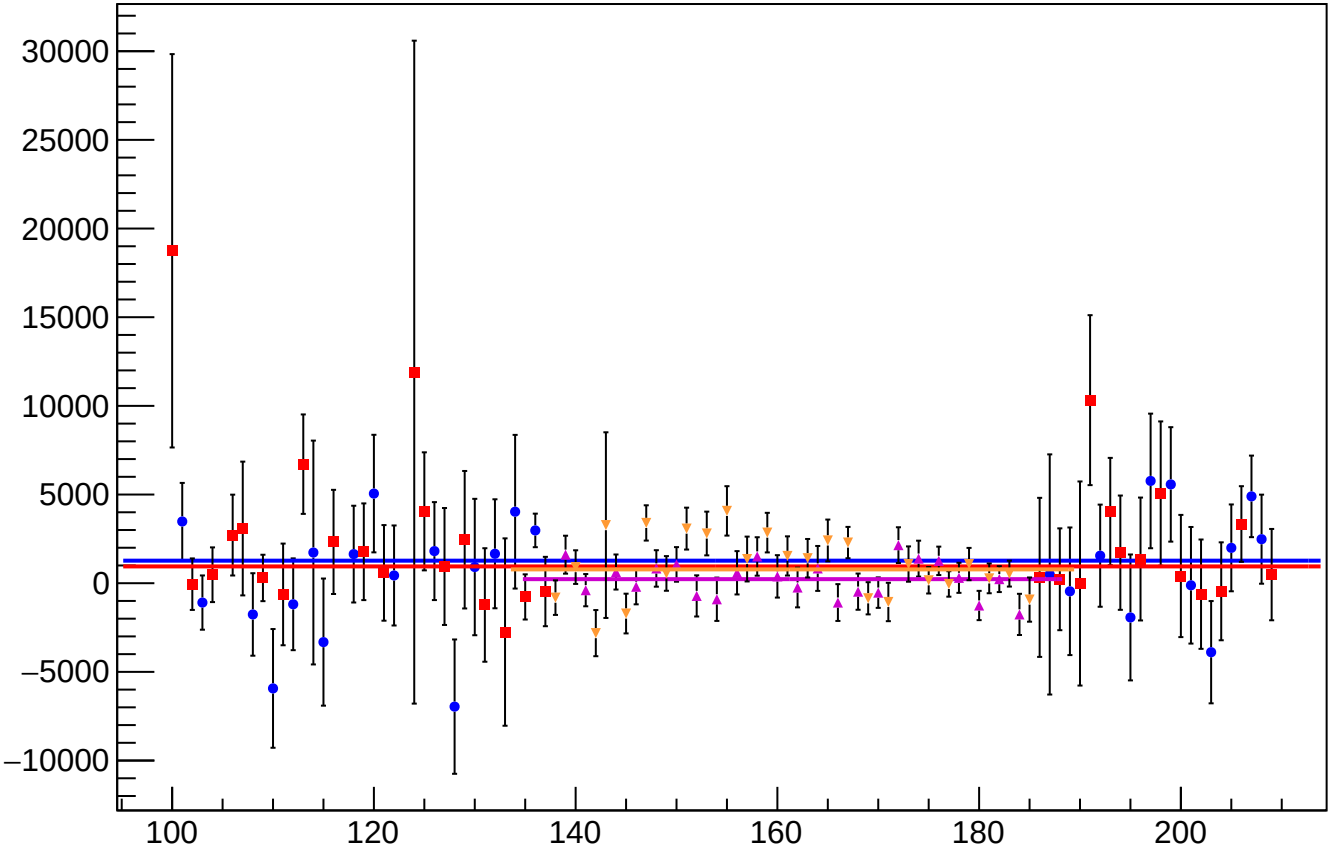
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1699.537+/-0.203 χ^2/NDF: 607816.2/51

All: 1704.622+/-0.144 χ^2/NDF: 1287266.4/10

- sign 1709.767+/-0.205 χ^2/NDF: 678193.7/54

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1270.921+/-484.940 χ^2/NDF: 32.6/26

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 946.763+/-450.169 χ^2/NDF: 21.8/31

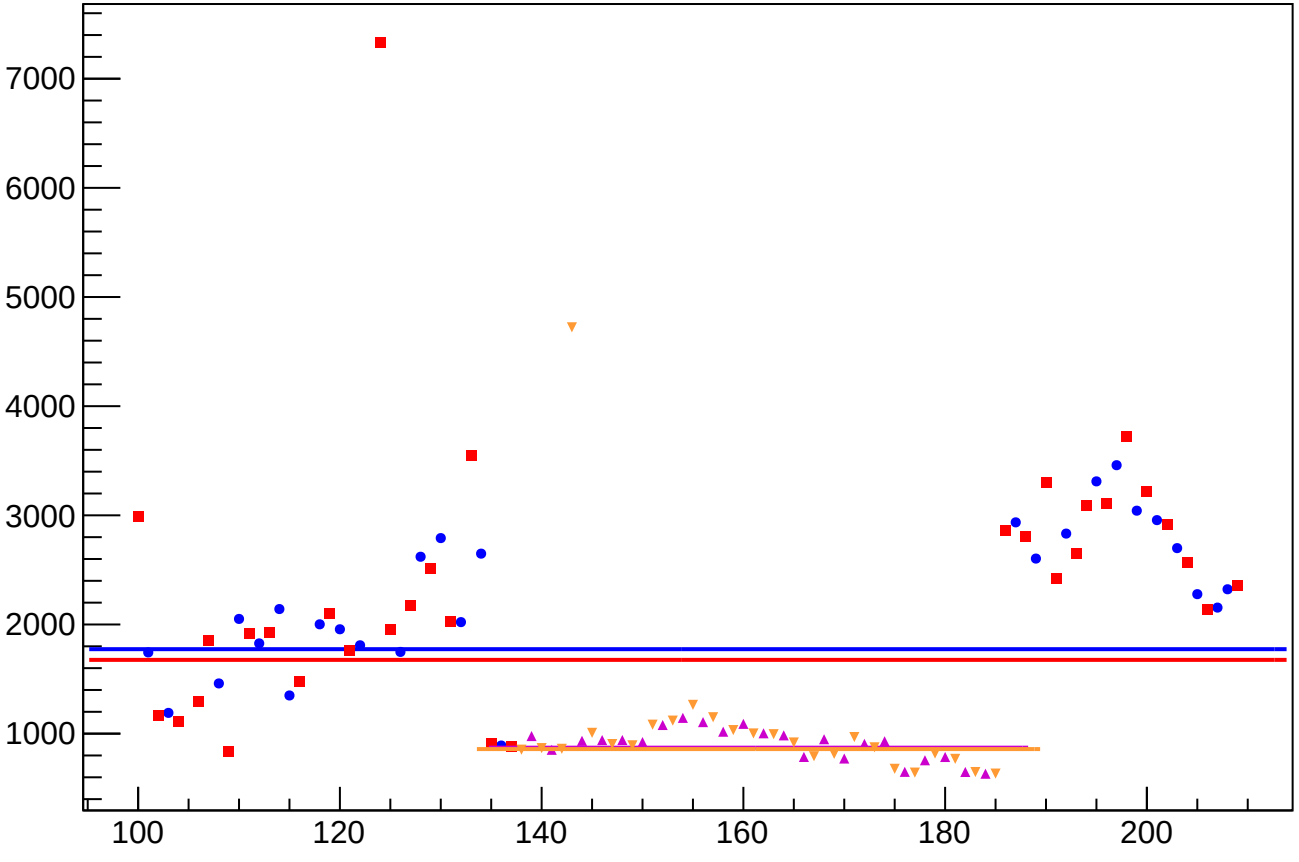
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 851.491+/-186.187 χ^2/NDF: 88.0/51

All: 604.894+/-132.237 χ^2/NDF: 138.0/106

- sign 353.879+/-187.847 χ^2/NDF: 46.5/54

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1773.874+/-0.343 χ^2/NDF: 4686932.2/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1675.774+/-0.318 χ^2/NDF: 6447278.8/31

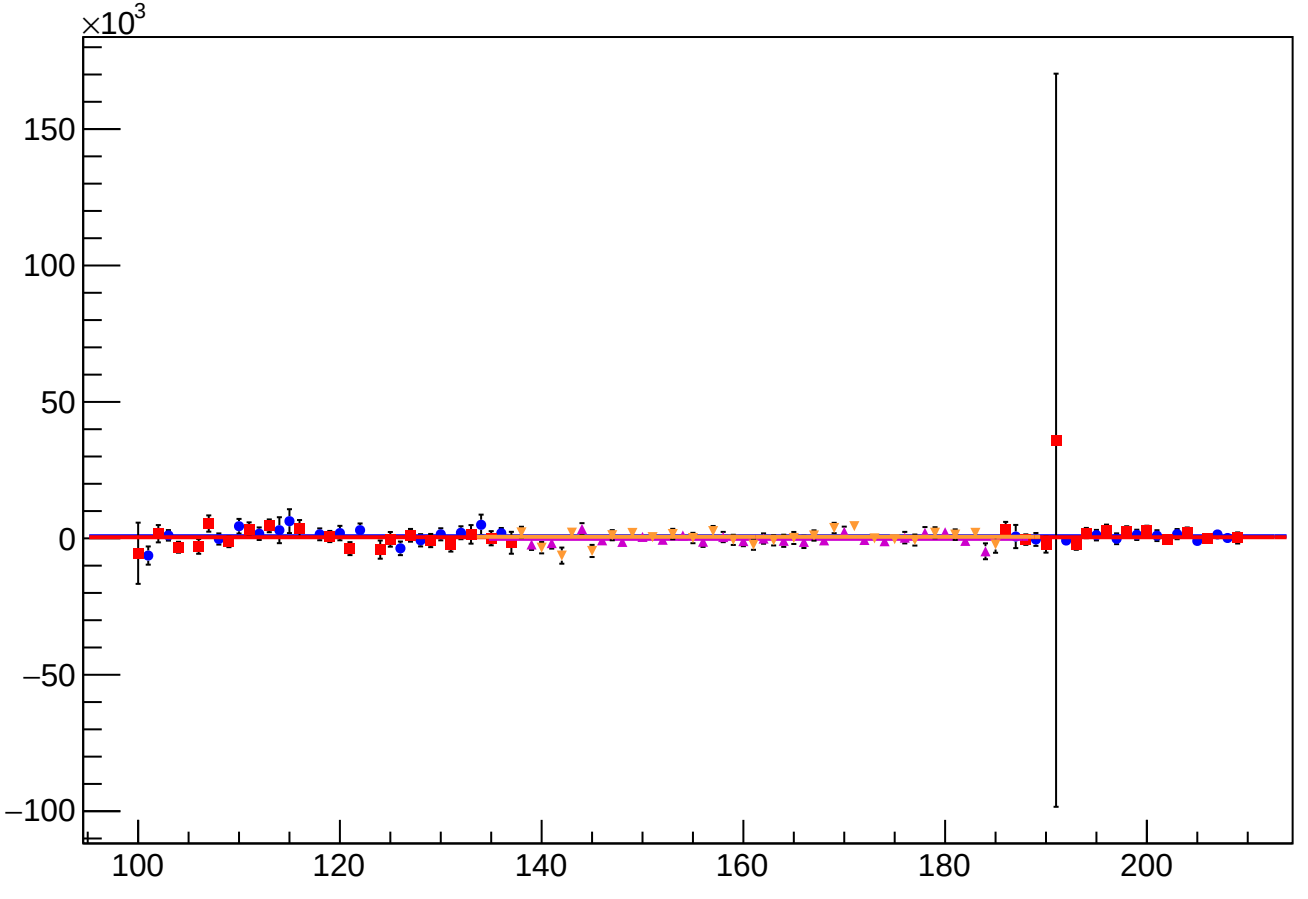
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 993.513+/-0.132 χ^2/NDF: 13041123.9/51

All: 1002.459+/-0.094 χ^2/NDF: 25749038.8/1

- sign 1011.565+/-0.133 χ^2/NDF: 12698597.9/54

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 788.139+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 409.262+/-414.796 χ^2/NDF: 31.1/31

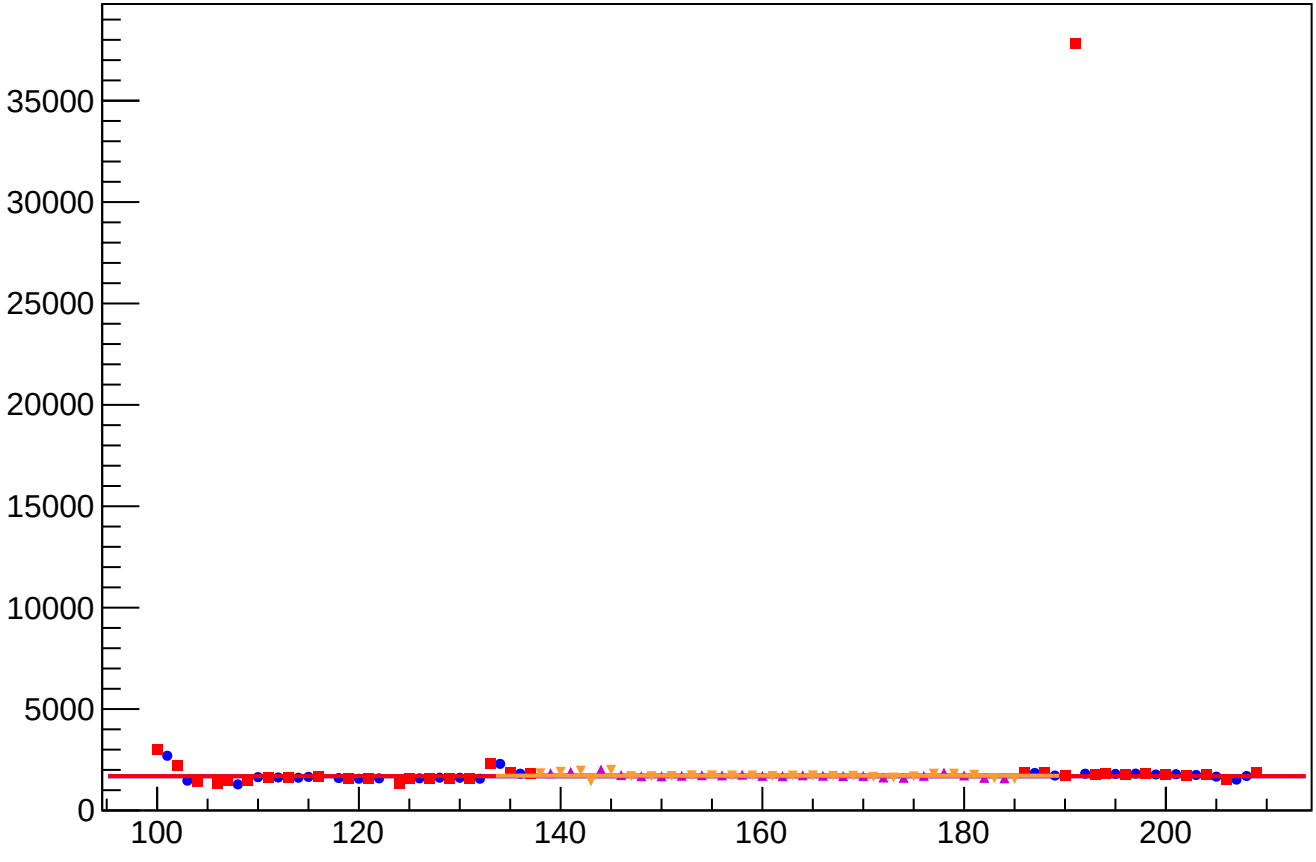
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 674.833+/-287.782 χ^2/NDF: 50.1/51

All: 391.031+/-204.079 χ^2/NDF: 98.6/106

- sign 103.937+/-289.447 χ^2/NDF: 46.6/54

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1684.944+/-0.302 χ^2/NDF: 435519.4/26

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1690.648+/-0.293 χ^2/NDF: 569685.2/31

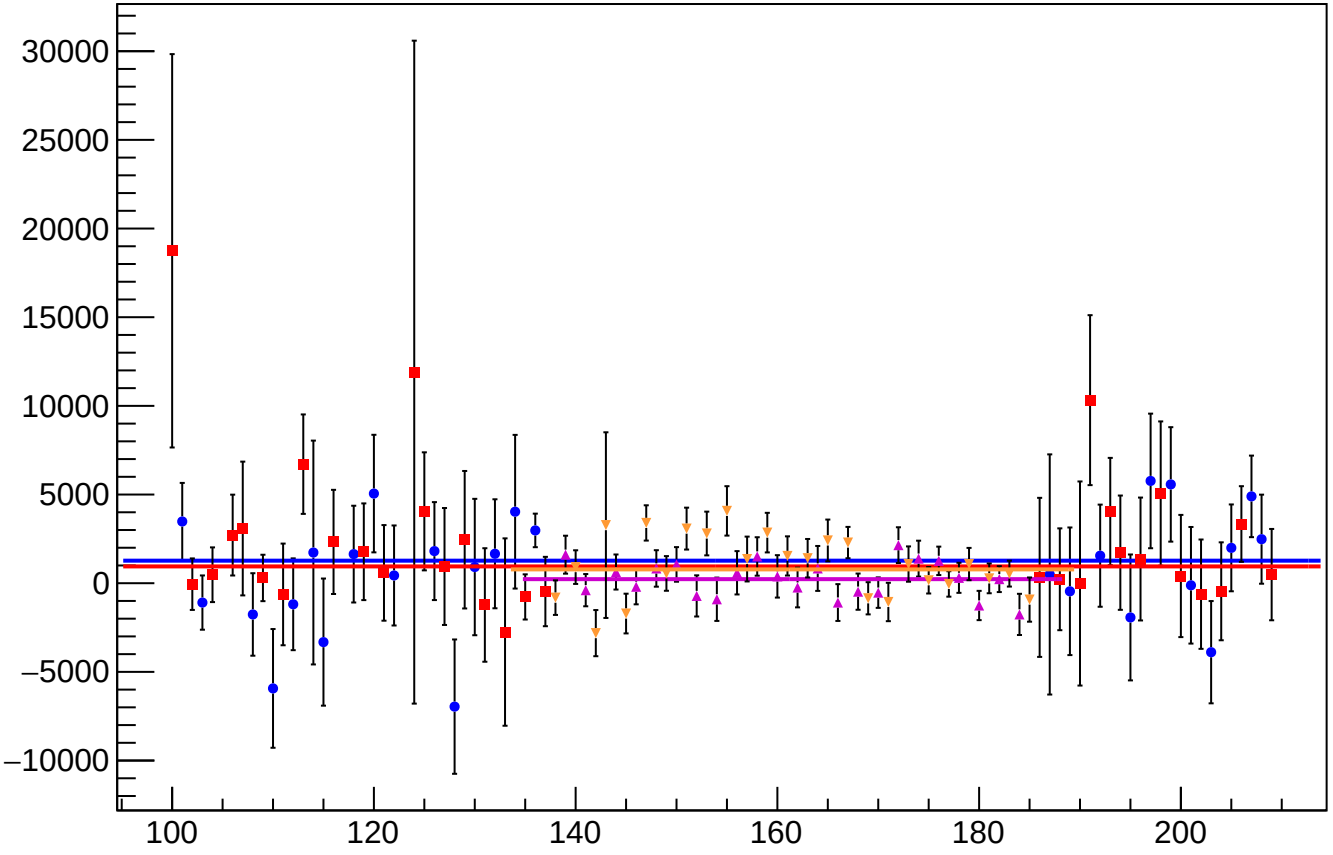
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1699.536+/-0.203 χ^2/NDF: 607814.8/51

All: 1704.622+/-0.144 χ^2/NDF: 1287264.9/10

- sign 1709.767+/-0.205 χ^2/NDF: 678193.7/54

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1270.917+/-484.942 χ^2/NDF: 32.6/26

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 946.777+/-450.172 χ^2/NDF: 21.8/31

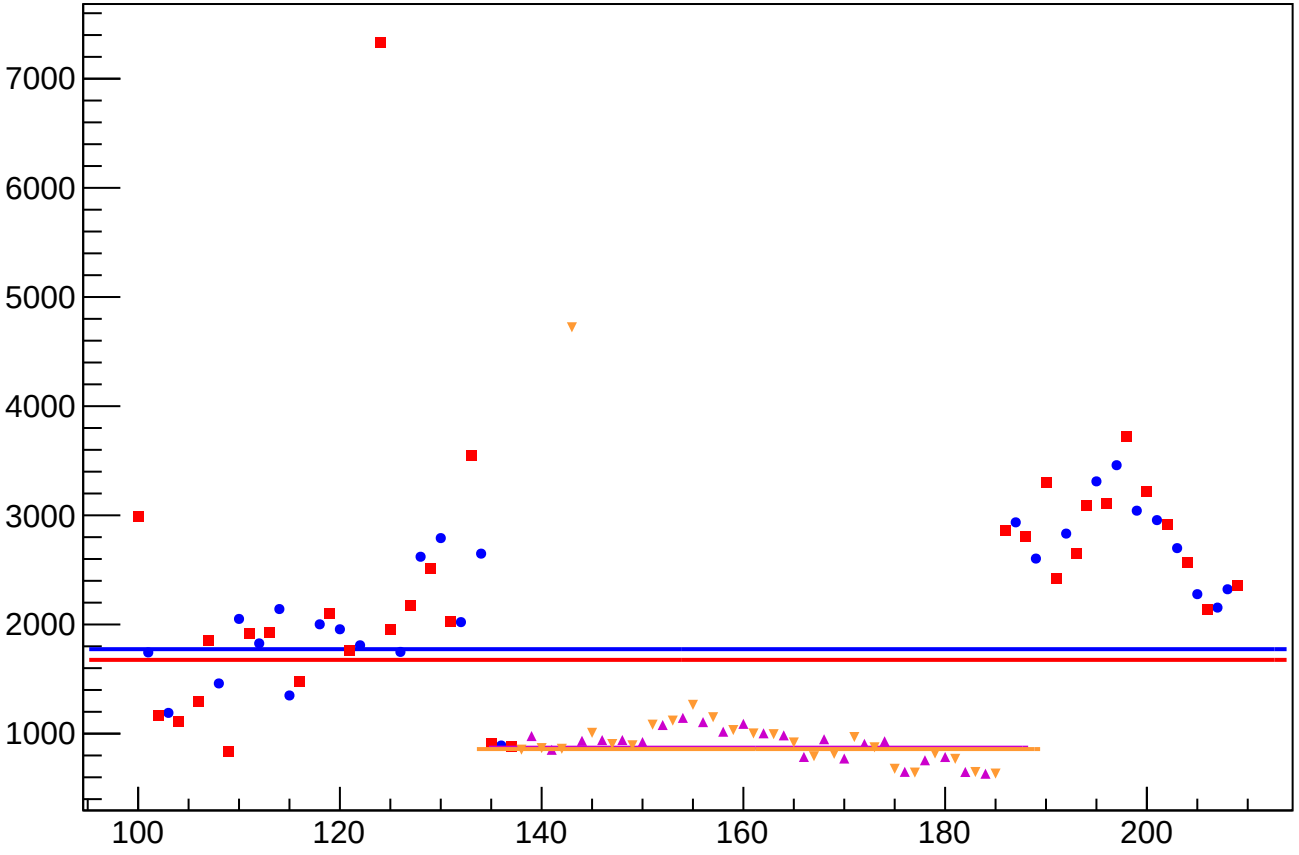
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 851.492+/-186.187 χ^2/NDF: 88.0/51

All: 604.894+/-132.237 χ^2/NDF: 138.0/106

- sign 353.879+/-187.847 χ^2/NDF: 46.5/54

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1773.887+/-0.343 χ^2/NDF: 4686762.6/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1675.787+/-0.318 χ^2/NDF: 6447128.7/31

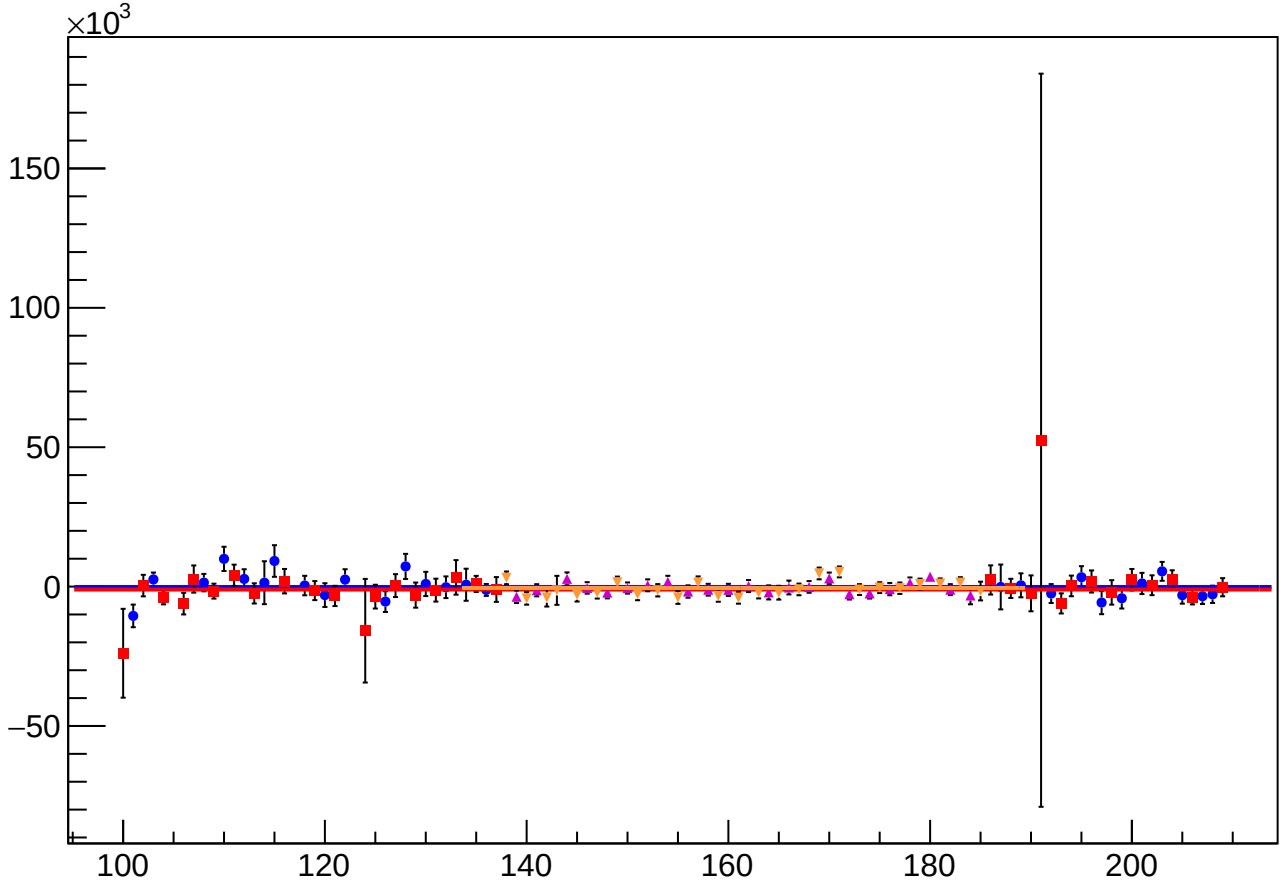
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 993.514+/-0.132 χ^2/NDF: 13041078.0/51

All: 1002.460+/-0.094 χ^2/NDF: 25748992.6/1

- sign 1011.565+/-0.133 χ^2/NDF: 12698598.7/54

asym_at2_dd_mean vs Slug



Right In: -160.652+/-697.493 χ^2/NDF: 32.9/26

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1065.176+/-682.274 χ^2/NDF: 17.5/31

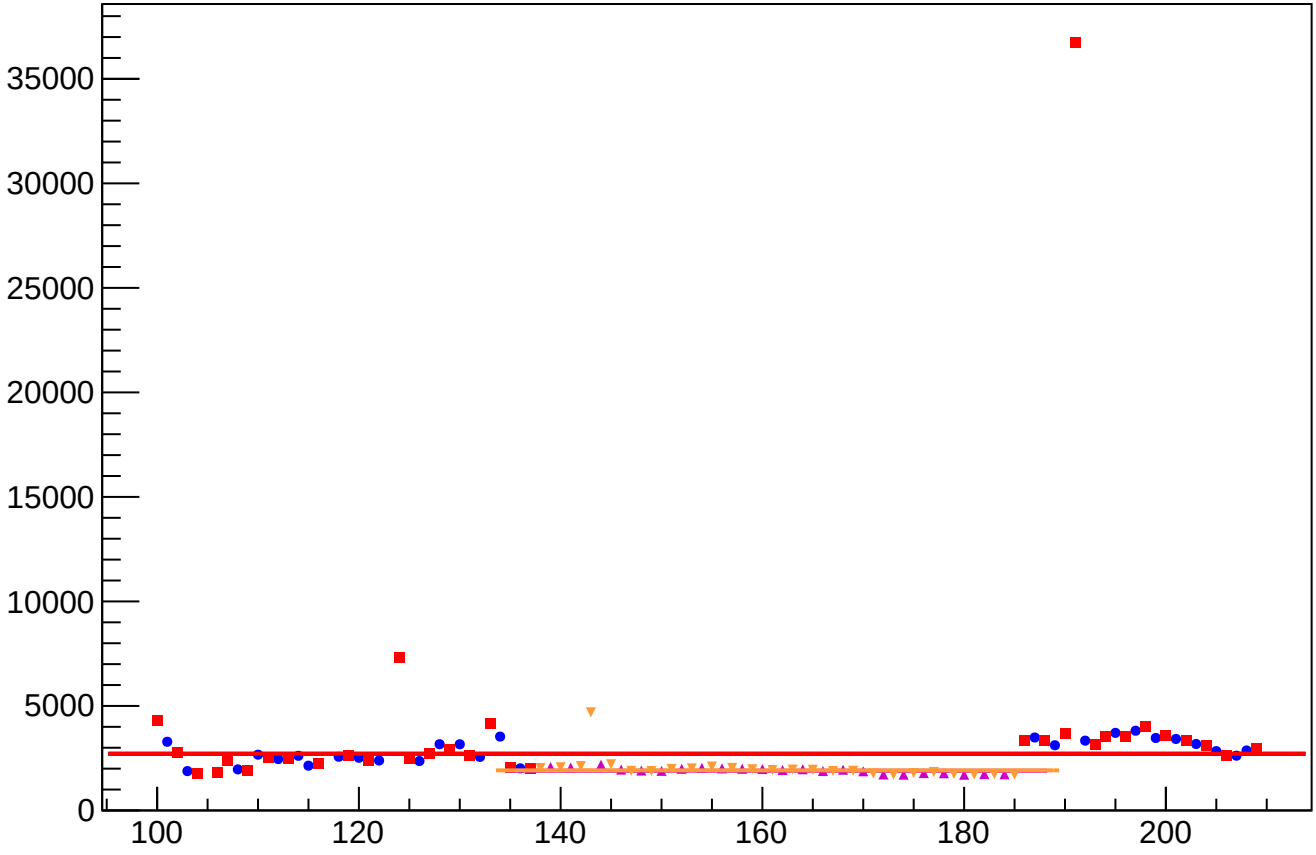
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -404.511+/-372.090 χ^2/NDF: 69.0/51

All: -505.251+/-263.244 χ^2/NDF: 106.2/106

- sign -606.200+/-372.476 χ^2/NDF: 37.0/54

asym_at2_dd_rms vs Slug



Right In: 2710.791+/-0.493 χ^2/NDF: 1322940.1/26

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2715.478+/-0.482 χ^2/NDF: 1959004.2/31

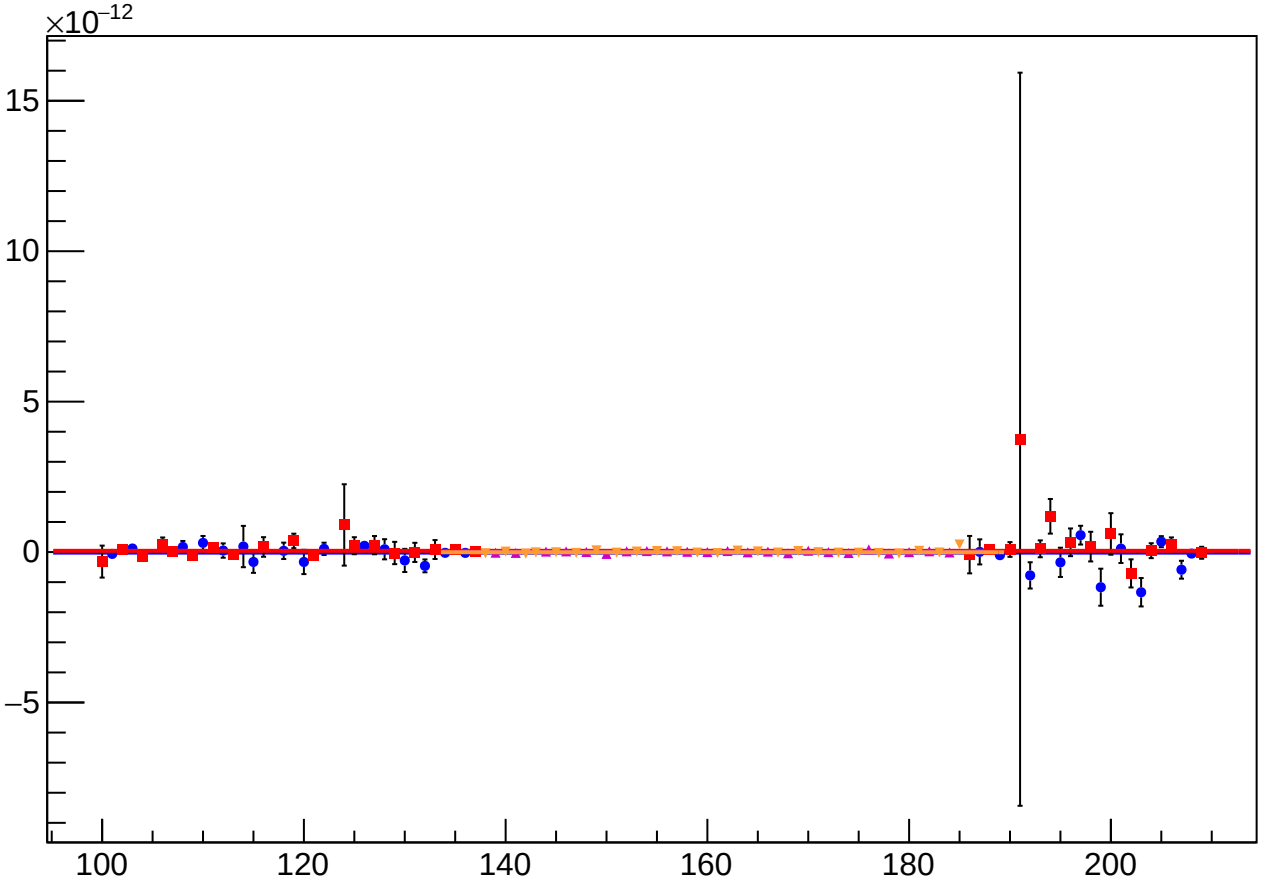
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2143.016+/-0.263 χ^2/NDF: 3931776.6/51

All: 2142.768+/-0.186 χ^2/NDF: 8073504.3/10

- sign 2142.520+/-0.263 χ^2/NDF: 4141725.9/54

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

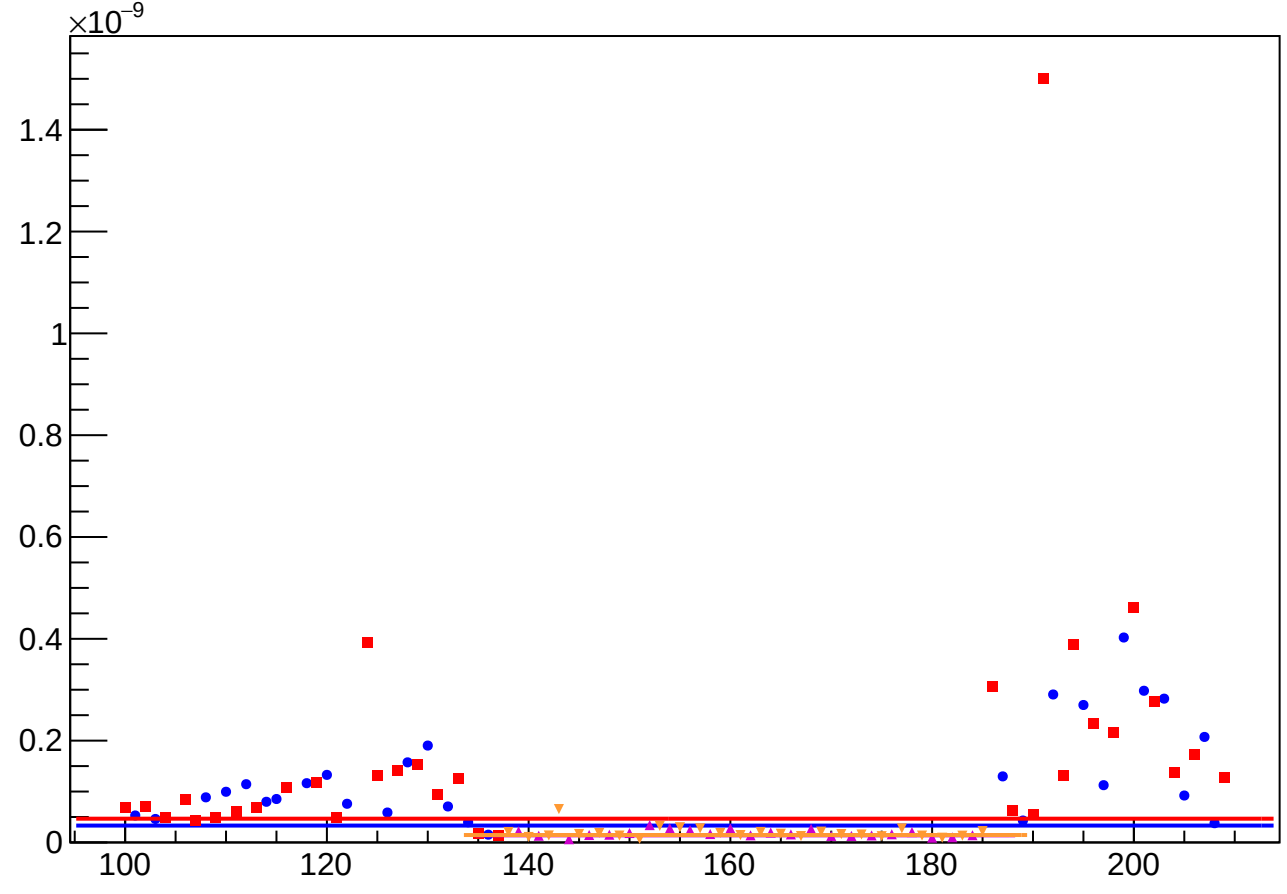
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/31

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/51

All: 0.000+/-0.000 χ^2/NDF: 124.6/106

- sign 0.000+/-0.000 χ^2/NDF: 50.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 7071468.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6904790.6/31

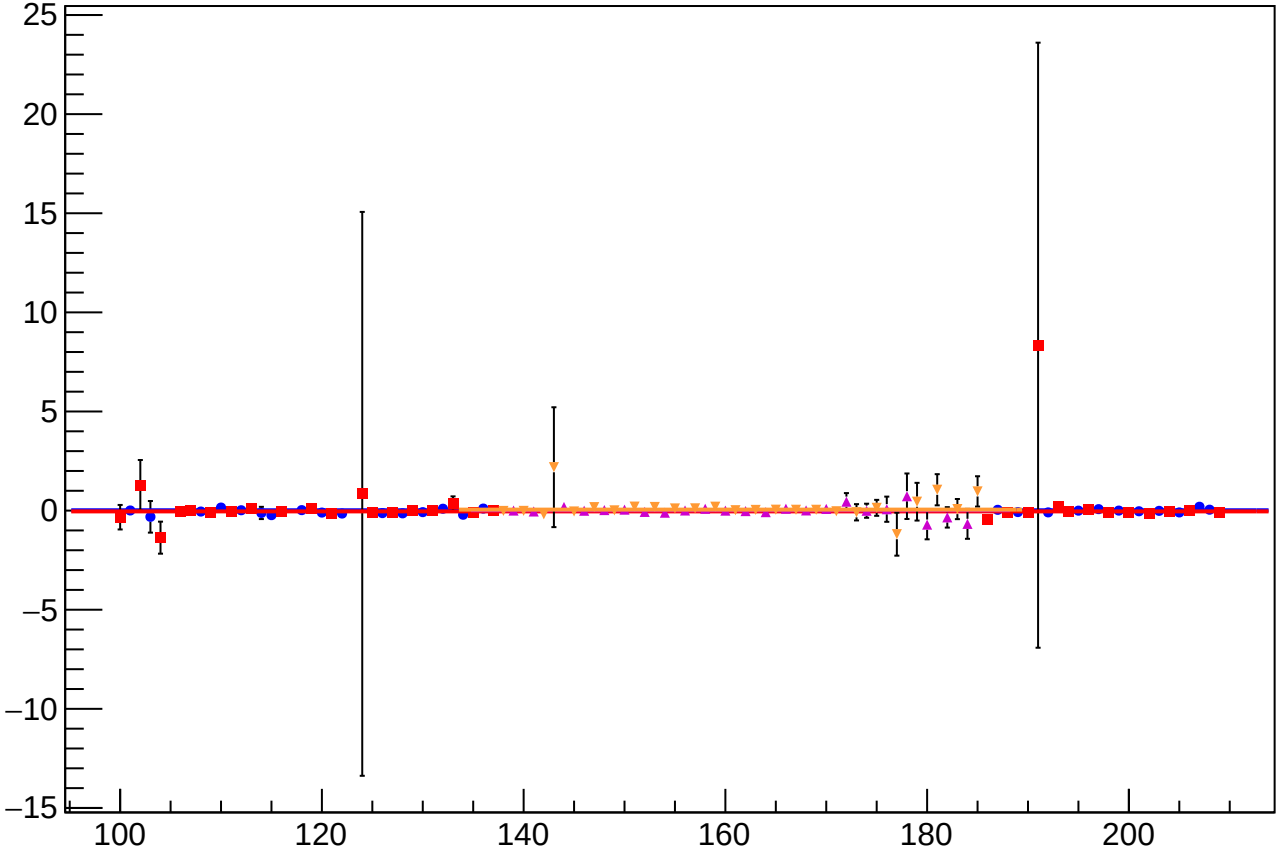
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10386132.4/51

All: 0.000+/-0.000 χ^2/NDF: 22198858.0/106

- sign 0.000+/-0.000 χ^2/NDF: 11807361.4/54

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.018 χ^2/NDF: 25.5/31

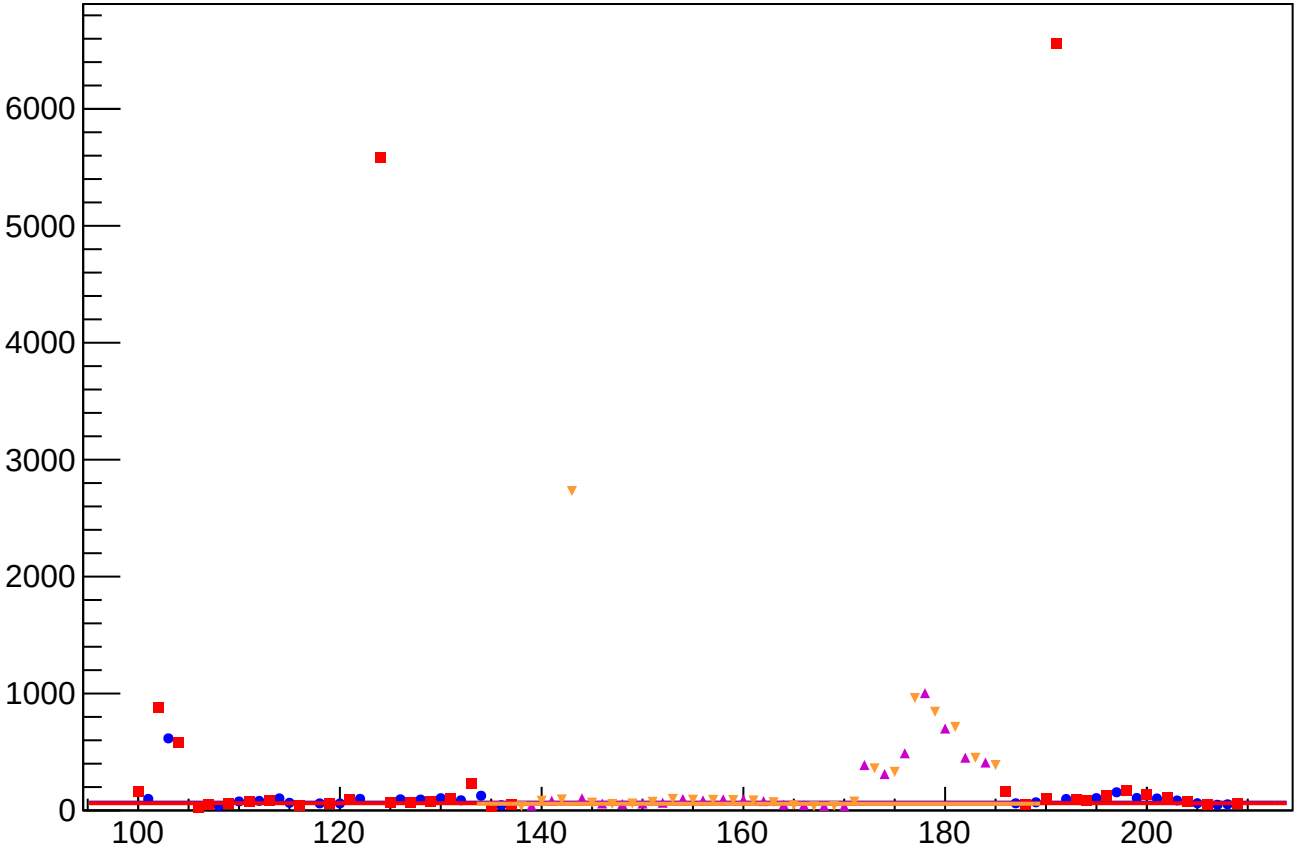
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.013+/-0.009 χ^2/NDF: 107.9/106

- sign -0.009+/-0.012 χ^2/NDF: 46.5/54

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.894+/-0.013 χ^2/NDF: 7271810.8/31

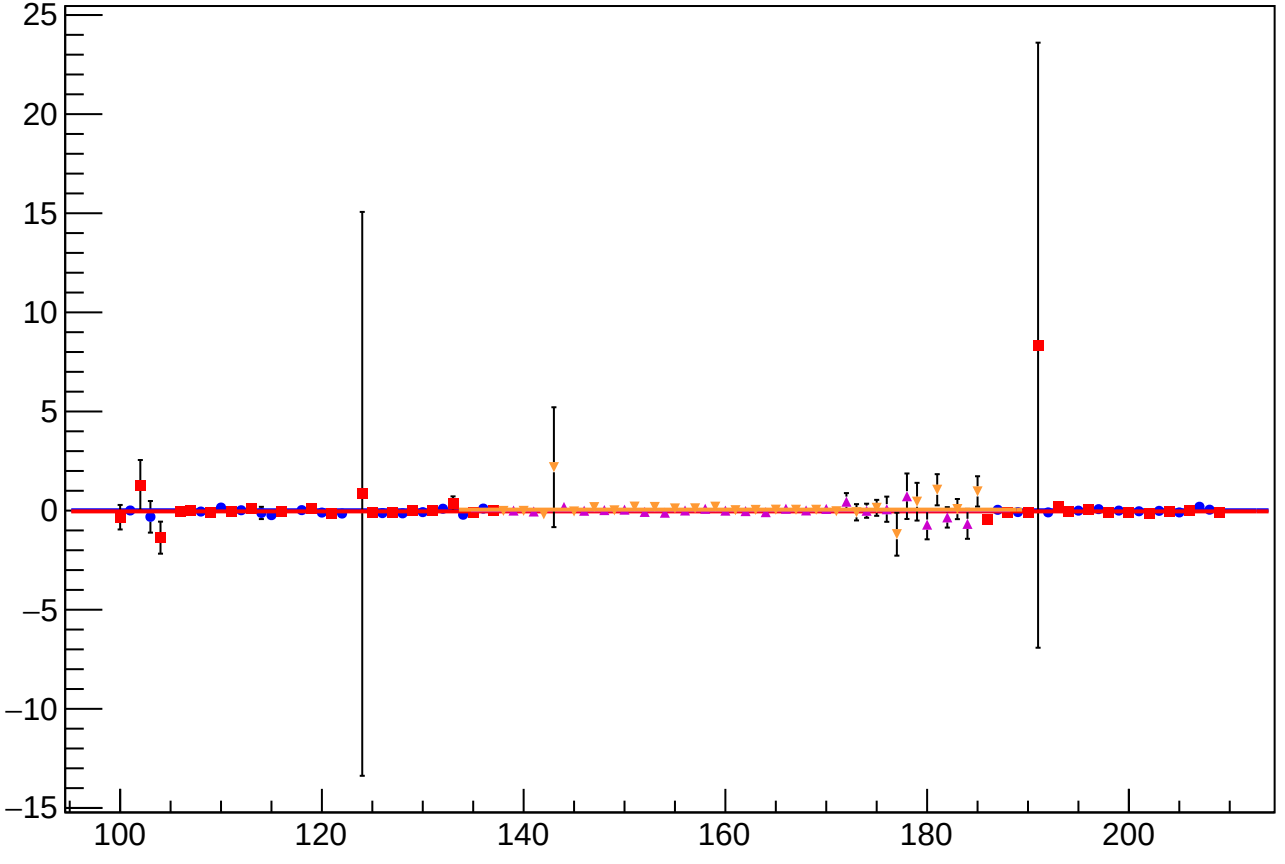
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.513+/-0.009 χ^2/NDF: 16805344.6/51

All: 60.820+/-0.006 χ^2/NDF: 34372125.1/106

- sign 60.154+/-0.009 χ^2/NDF: 17555032.6/54

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.018 χ^2/NDF: 25.5/31

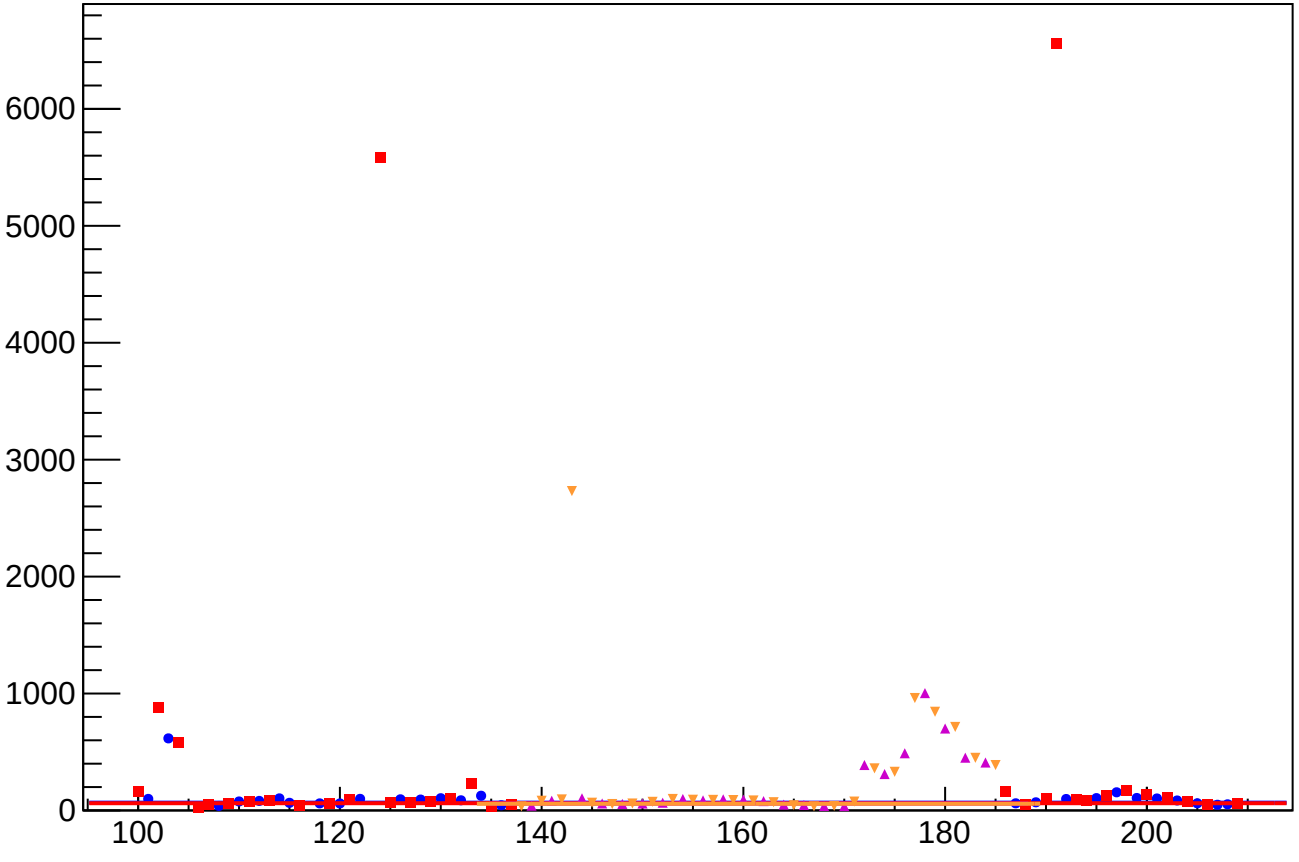
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.013+/-0.009 χ^2/NDF: 107.9/106

- sign -0.009+/-0.012 χ^2/NDF: 46.5/54

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

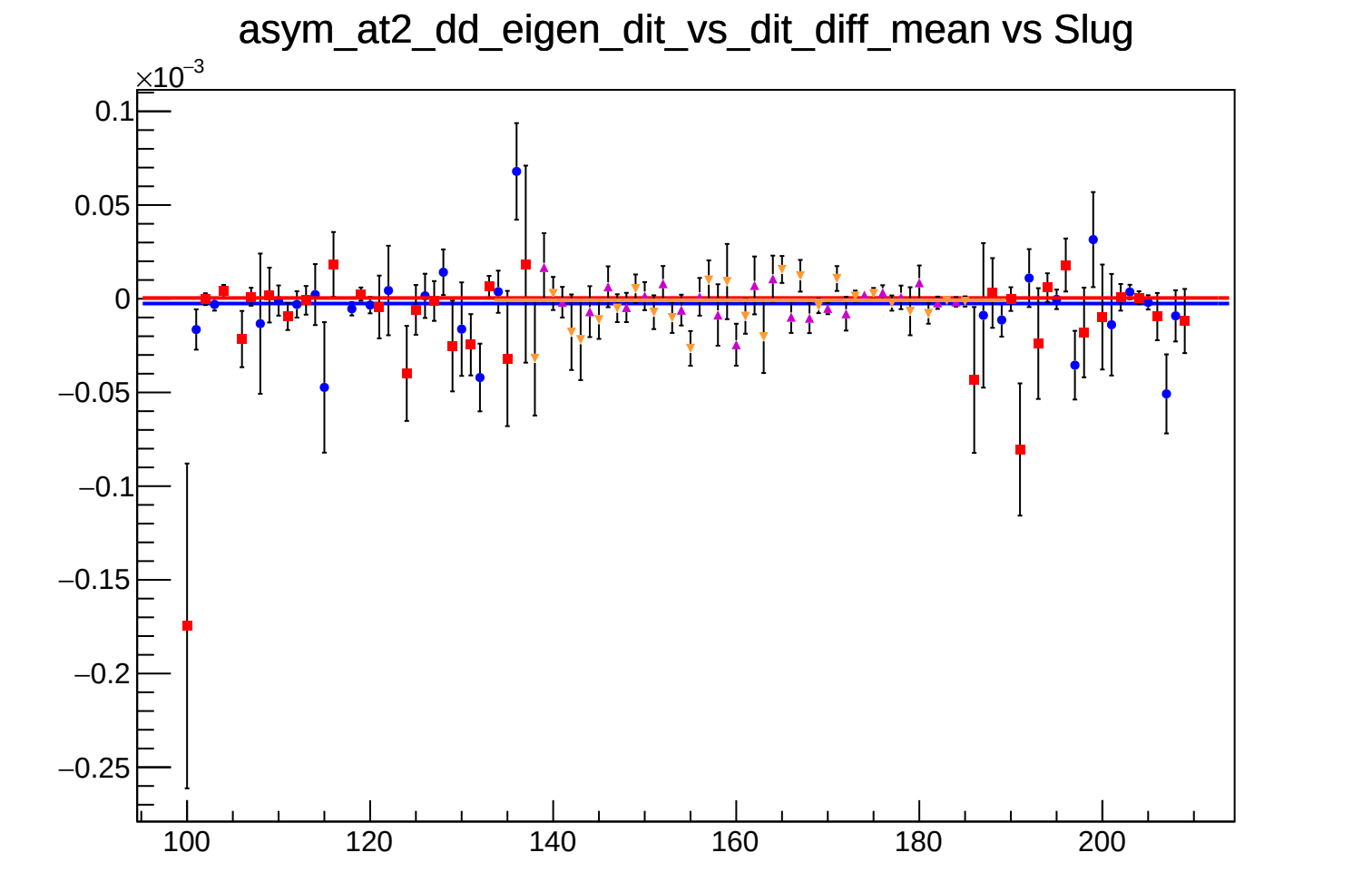
Right Out: 61.894+/-0.013 χ^2/NDF: 7271810.8/31

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.513+/-0.009 χ^2/NDF: 16805344.6/51

All: 60.820+/-0.006 χ^2/NDF: 34372125.1/106

- sign 60.154+/-0.009 χ^2/NDF: 17555032.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

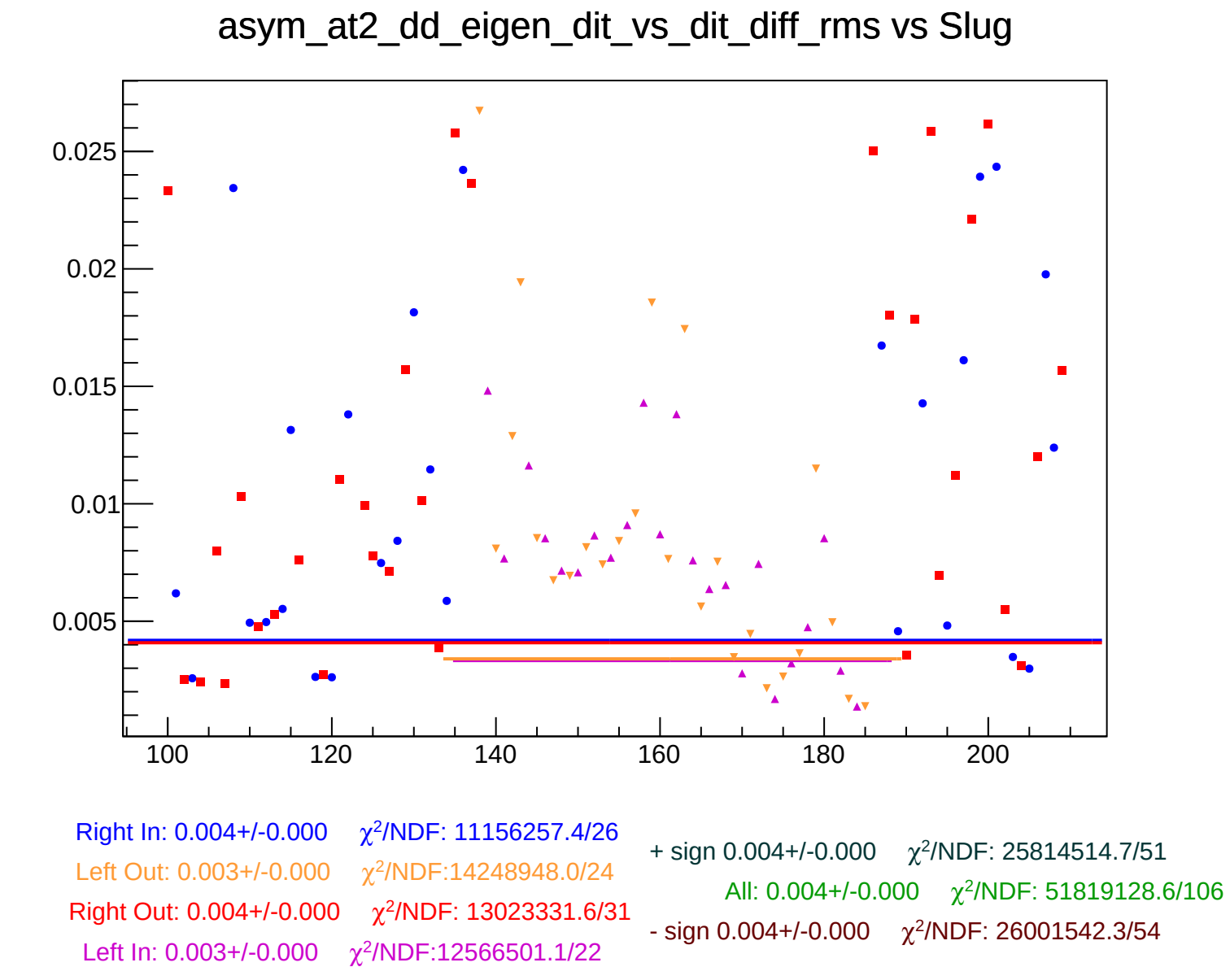
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/31

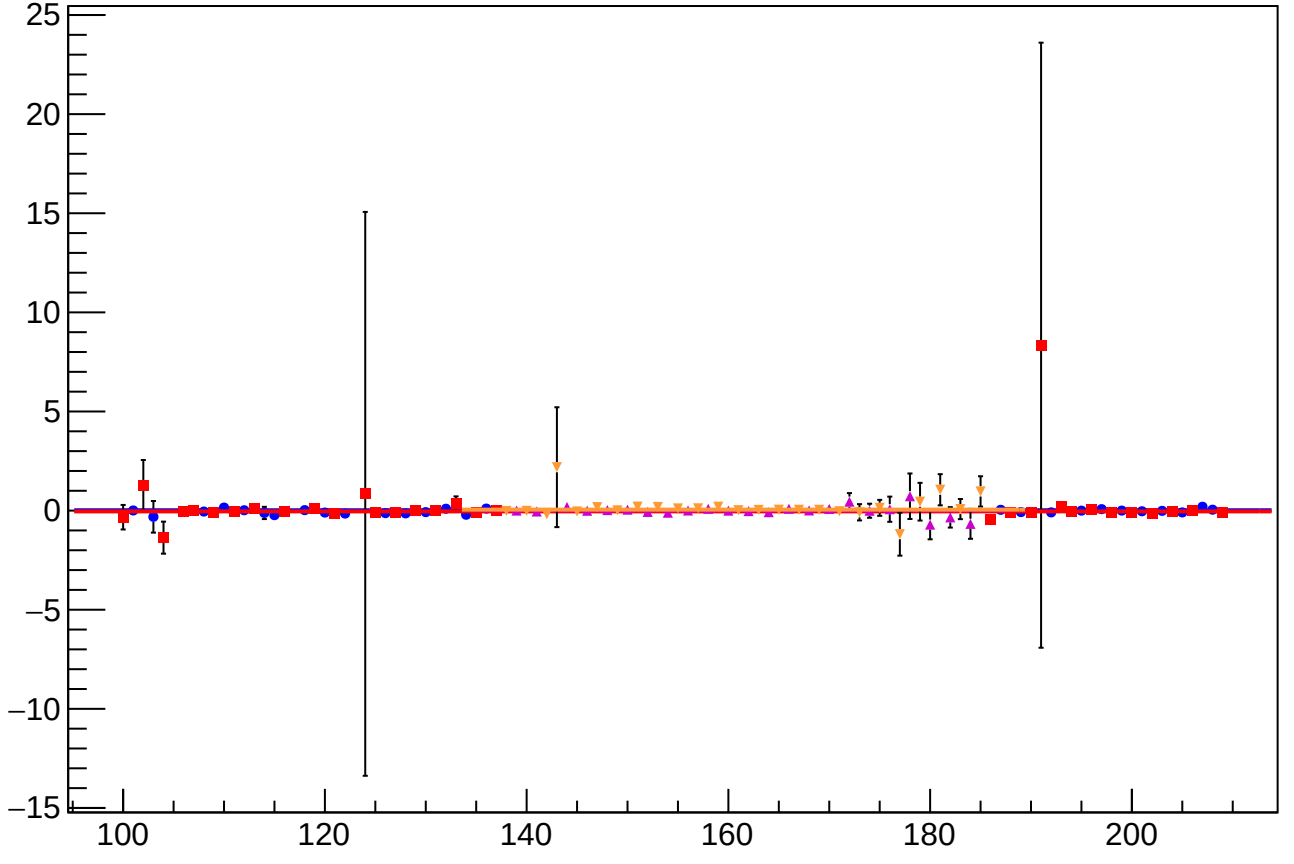
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.0/51

All: -0.000+/-0.000 χ^2/NDF: 118.6/106

- sign -0.000+/-0.000 χ^2/NDF: 49.6/54


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 11156257.4/26
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 13023331.6/31
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.004+/-0.000 χ²/NDF: 25814514.7/51
All: 0.004+/-0.000 χ²/NDF: 51819128.6/106
- sign 0.004+/-0.000 χ²/NDF: 26001542.3/54



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.040+/-0.018 χ^2/NDF: 25.5/31

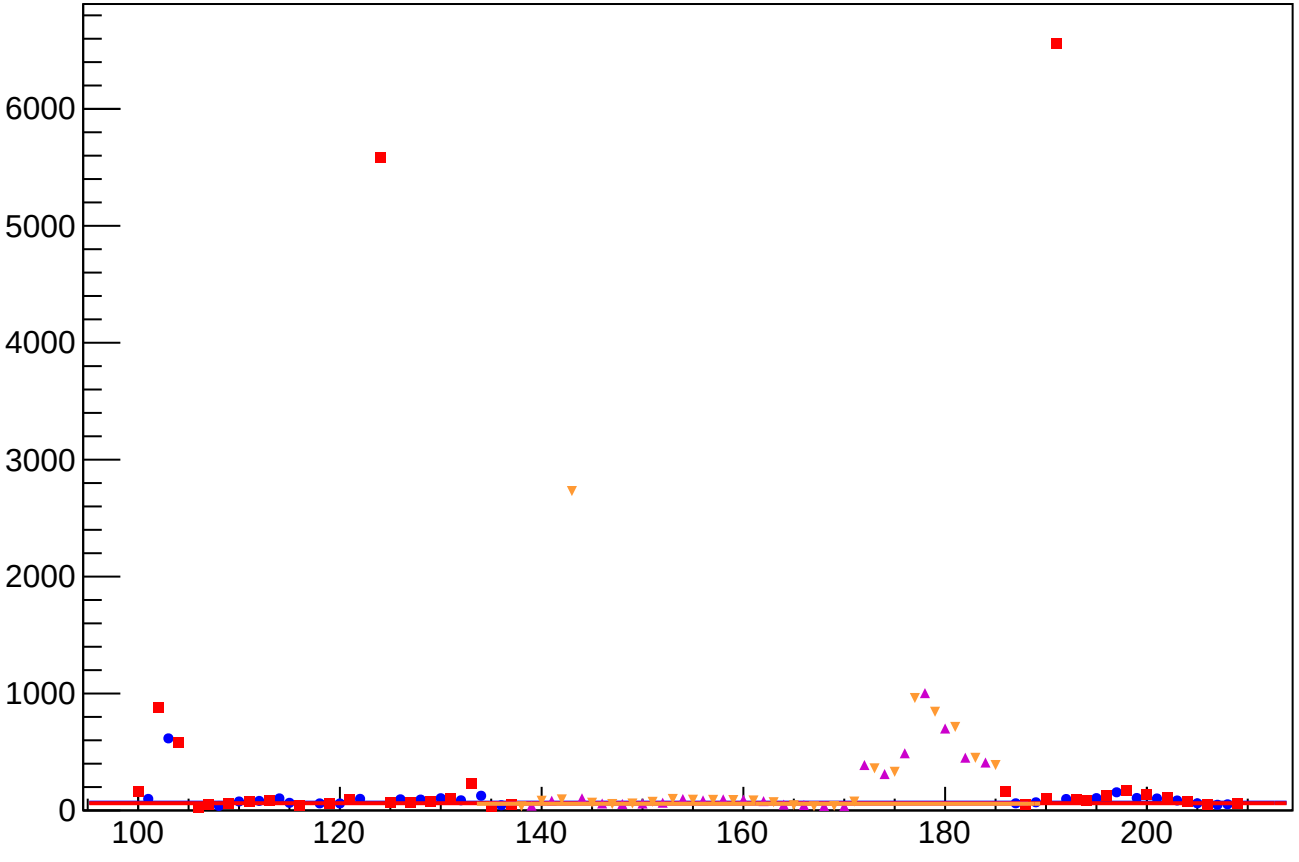
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.013+/-0.009 χ^2/NDF: 108.0/106

- sign -0.009+/-0.012 χ^2/NDF: 46.5/54

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

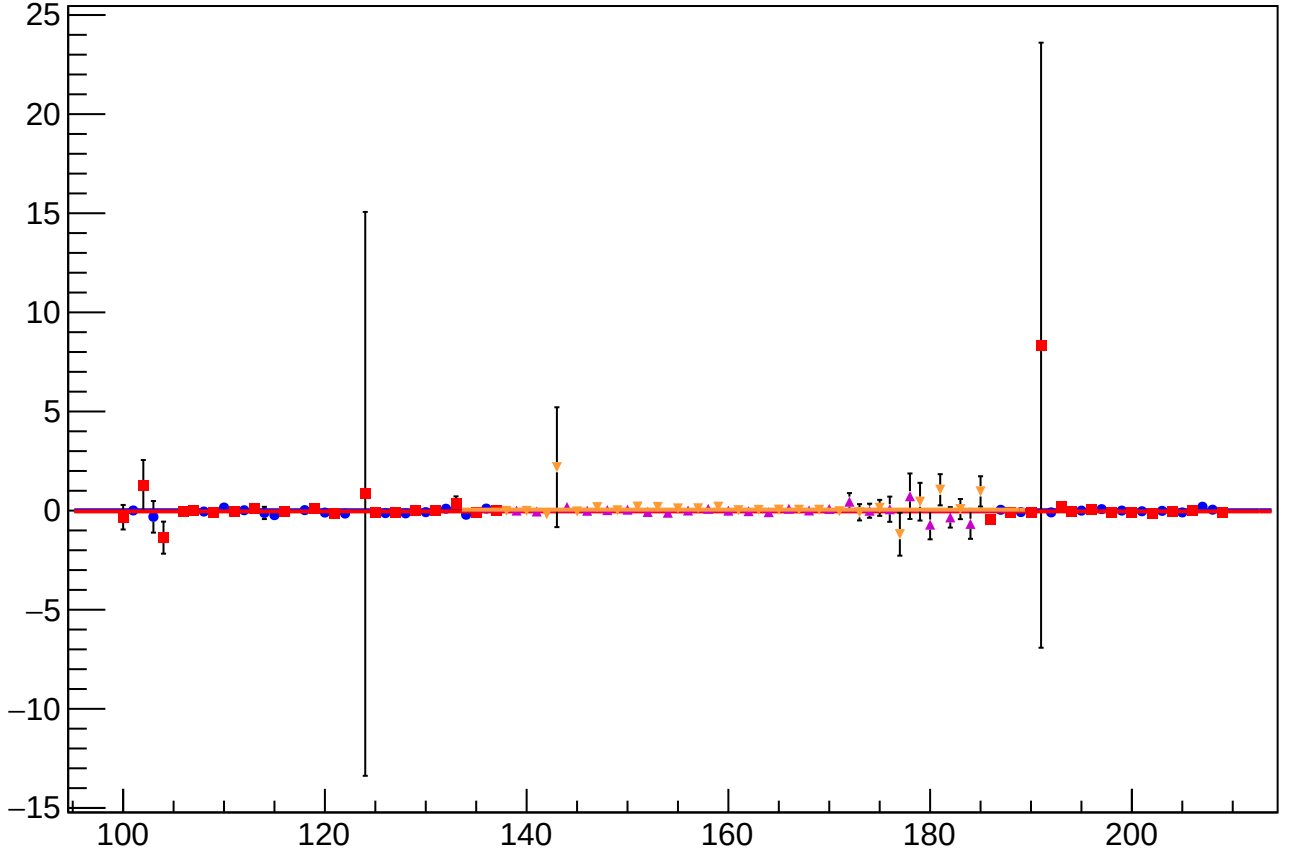
Right Out: 61.891+/-0.013 χ^2/NDF: 7272754.1/31

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.514+/-0.009 χ^2/NDF: 16804389.0/51

All: 60.820+/-0.006 χ^2/NDF: 34371503.0/106

- sign 60.154+/-0.009 χ^2/NDF: 17555349.8/54



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

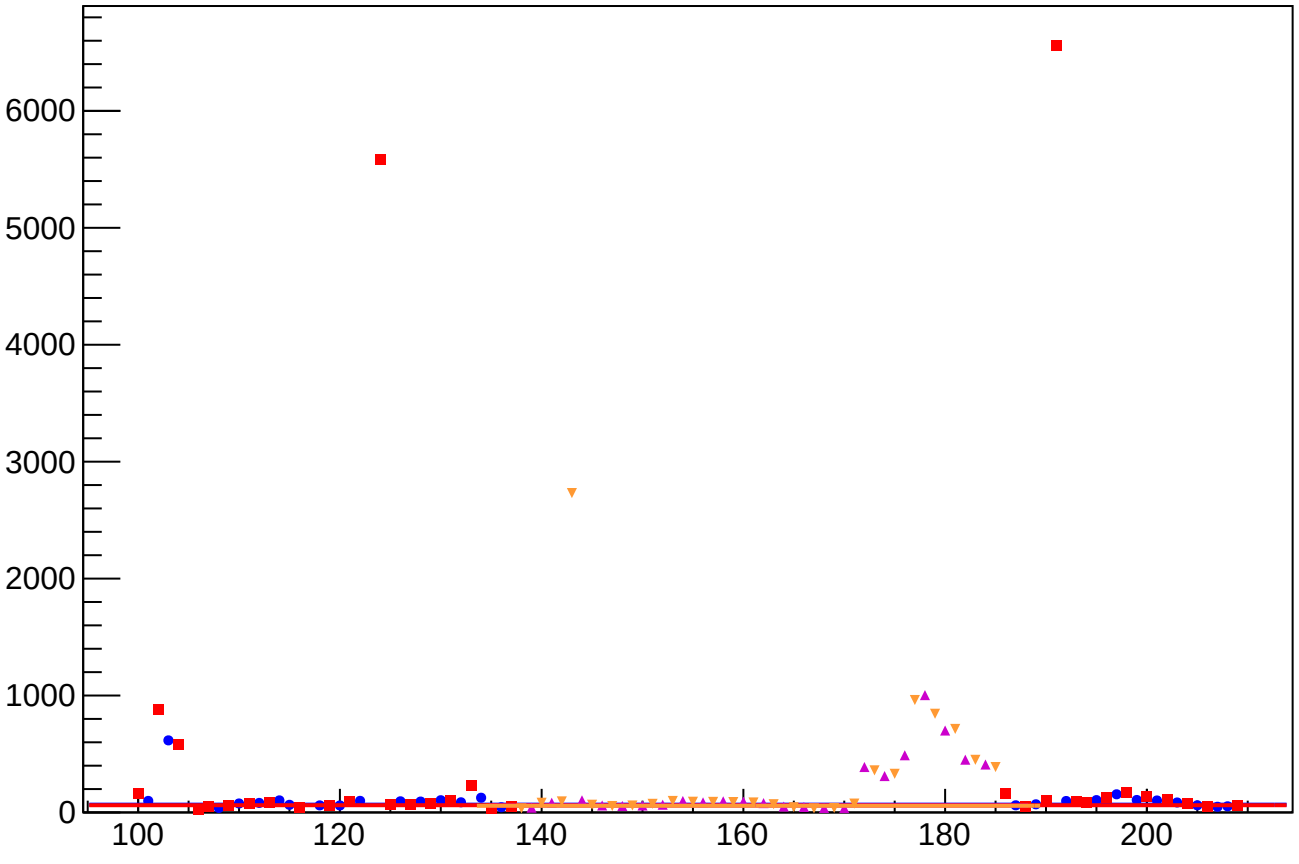
Right Out: -0.040+/-0.018 χ^2/NDF: 25.5/31

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.013 χ^2/NDF: 55.2/51

All: 0.013+/-0.009 χ^2/NDF: 108.0/106

- sign -0.009+/-0.012 χ^2/NDF: 46.5/54



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.891+/-0.013 χ^2/NDF: 7272754.1/31

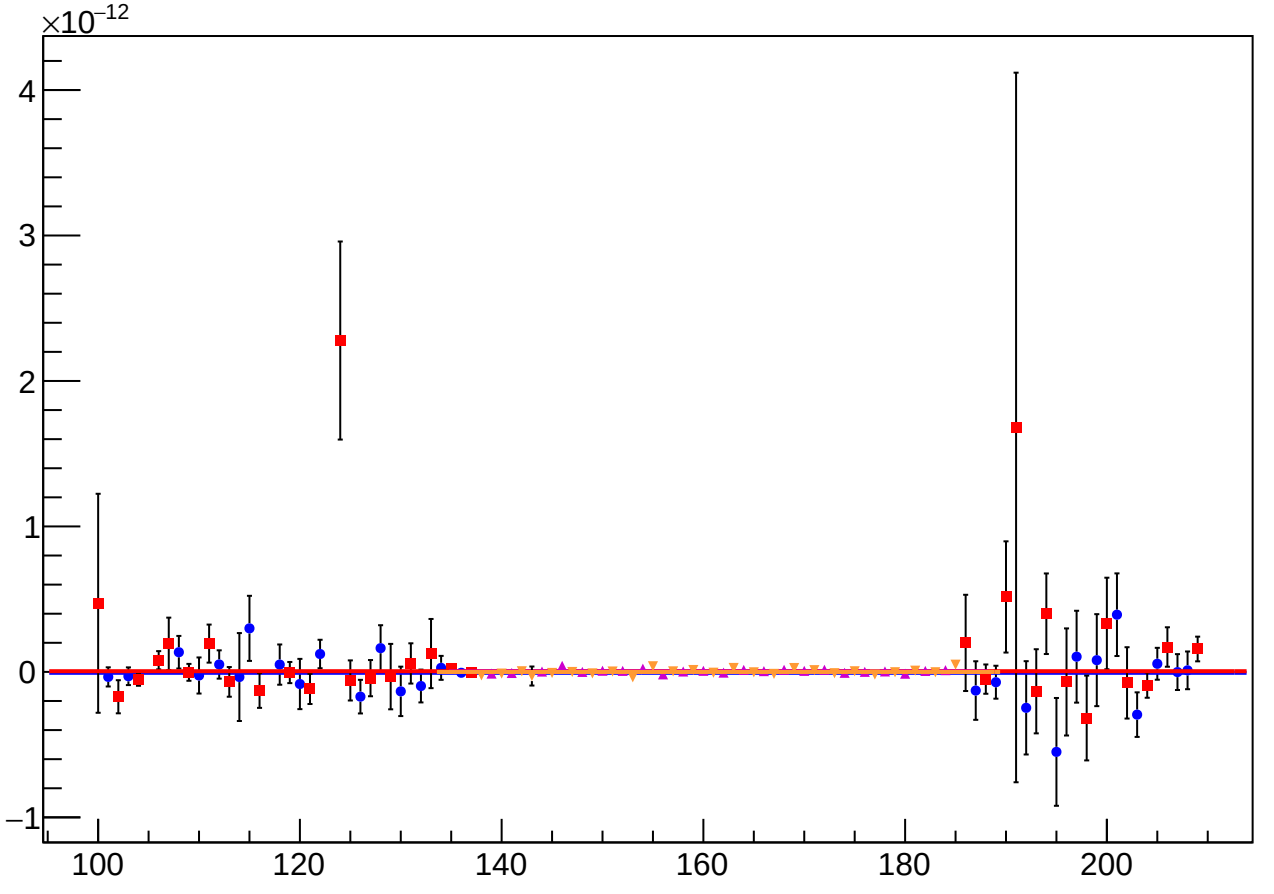
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.514+/-0.009 χ^2/NDF: 16804389.0/51

All: 60.820+/-0.006 χ^2/NDF: 34371503.0/106

- sign 60.154+/-0.009 χ^2/NDF: 17555349.8/54

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

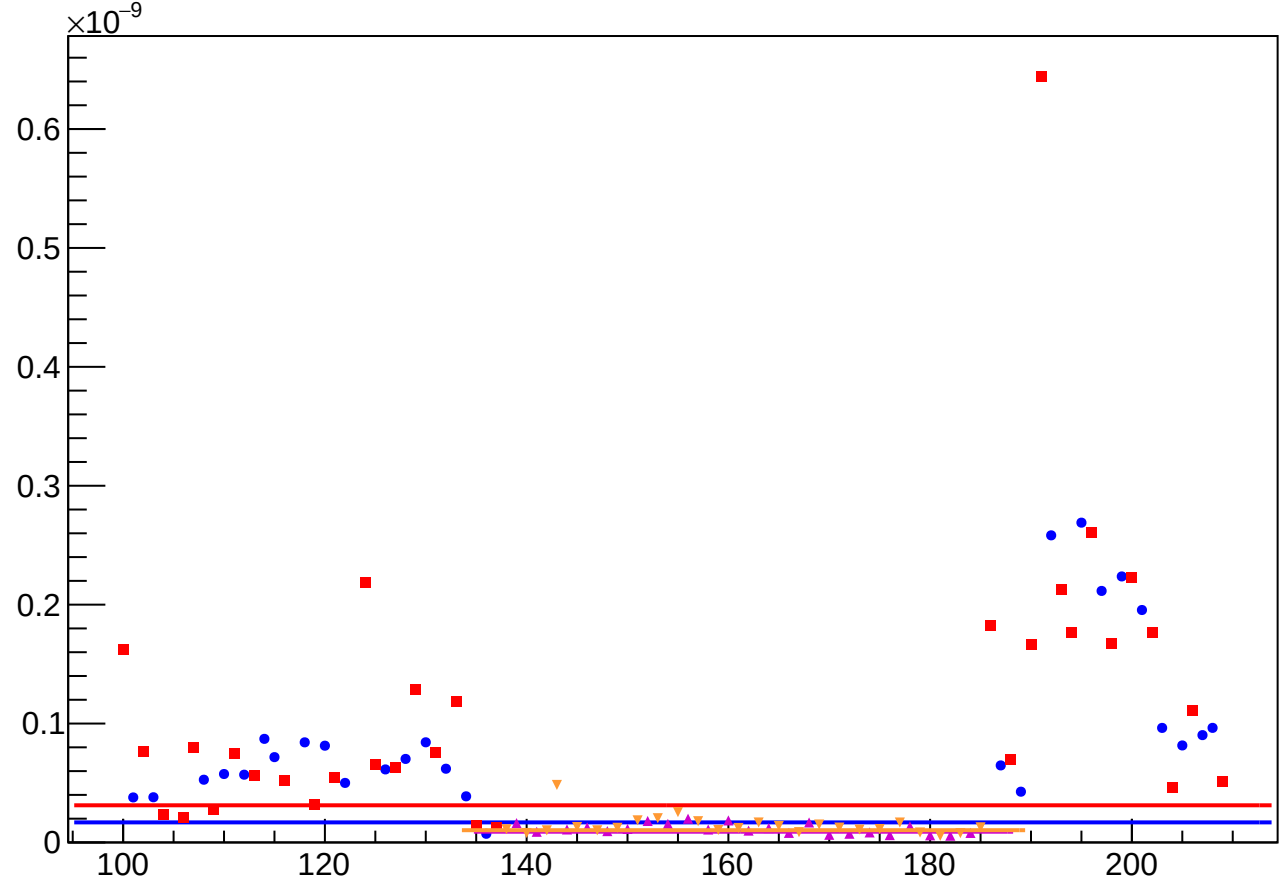
Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/31

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/51

All: 0.000+/-0.000 χ^2/NDF: 94.6/106

- sign 0.000+/-0.000 χ^2/NDF: 54.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 12586563.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9863089.8/31

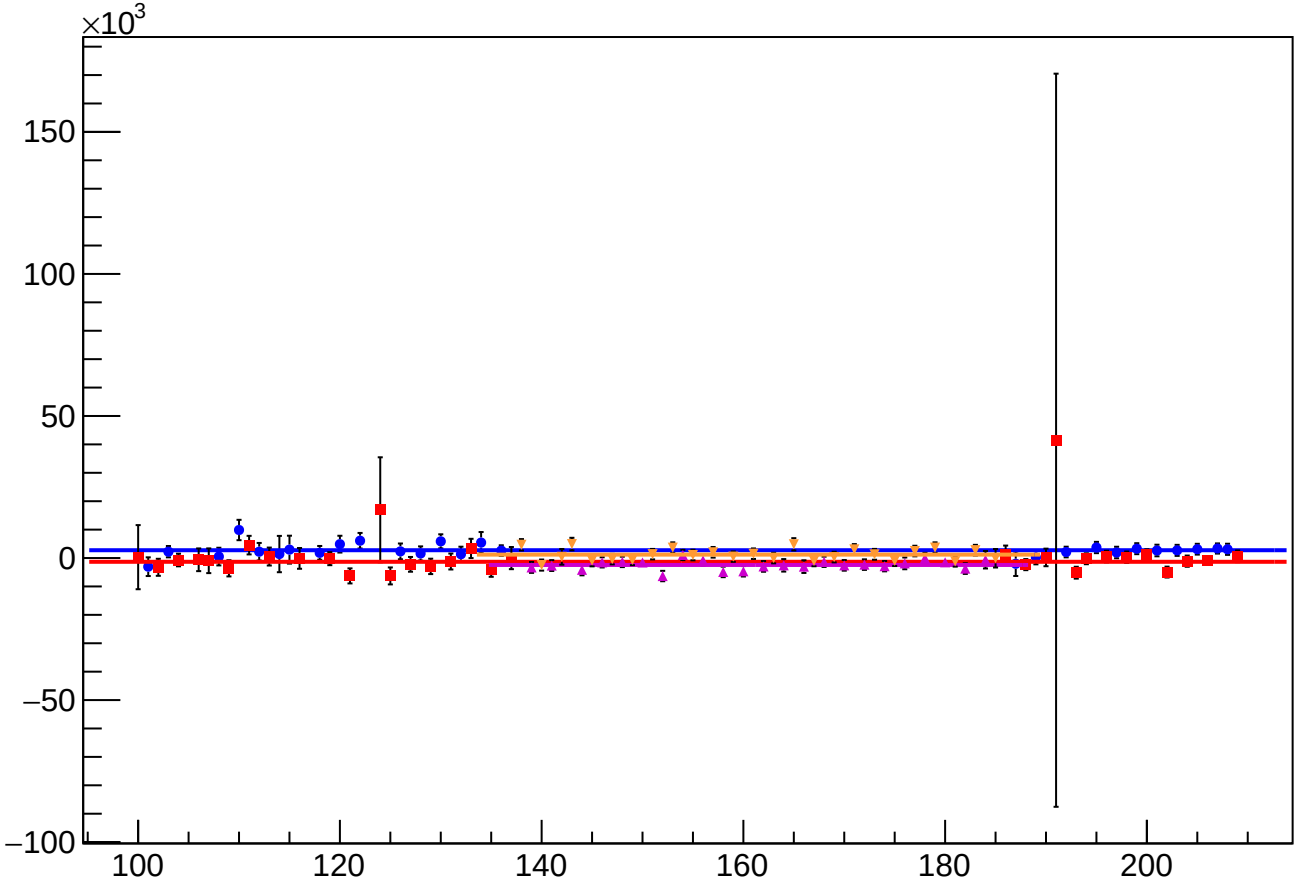
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17011716.6/51

All: 0.000+/-0.000 χ^2/NDF: 34719423.9/106

- sign 0.000+/-0.000 χ^2/NDF: 17589918.9/54

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2748.567+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1325.223+/-454.270 χ^2/NDF: 28.7/31

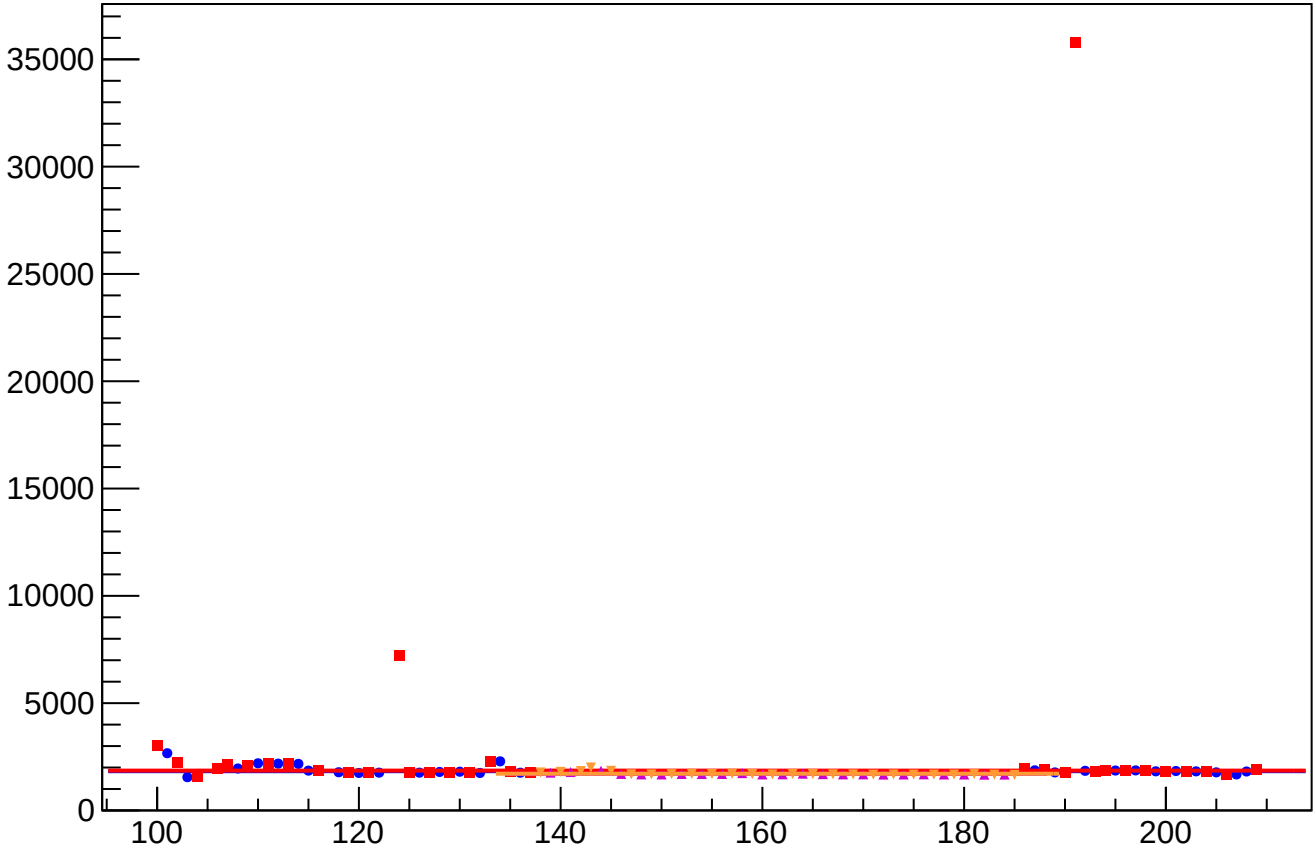
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

\+ sign 1844.857+/-297.501 χ^2/NDF: 48.4/51

All: -43.523+/-211.014 χ^2/NDF: 179.1/106

\- sign -1955.375+/-299.344 χ^2/NDF: 49.6/54

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.9/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.758+/-0.321 χ^2/NDF: 543144.2/31

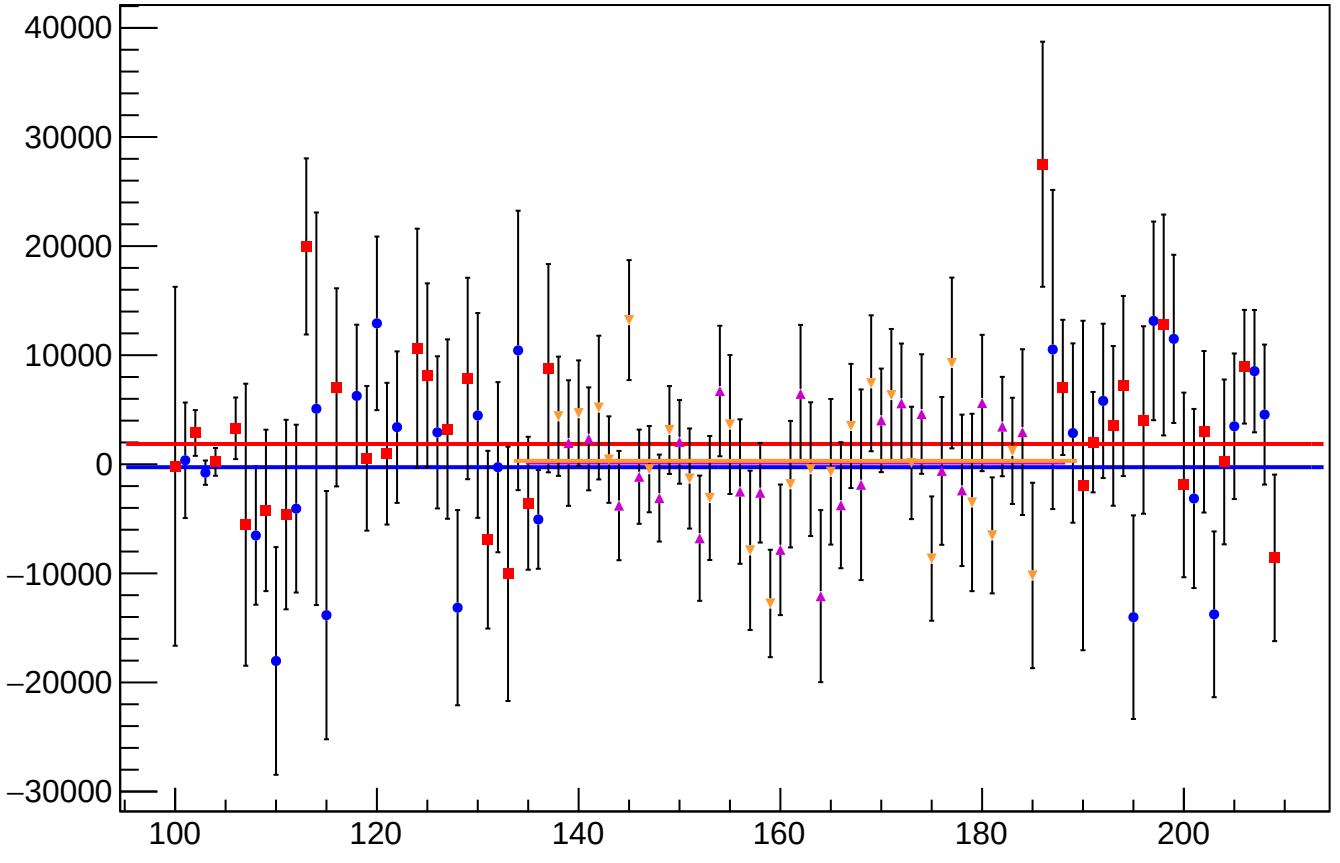
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF: 420055.6/51

All: 1765.434+/-0.149 χ^2/NDF: 1115003.4/10

- sign 1770.386+/-0.212 χ^2/NDF: 693858.4/54

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -268.068+/-887.691 χ^2/NDF: 28.9/26

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1860.771+/-833.947 χ^2/NDF: 26.0/31

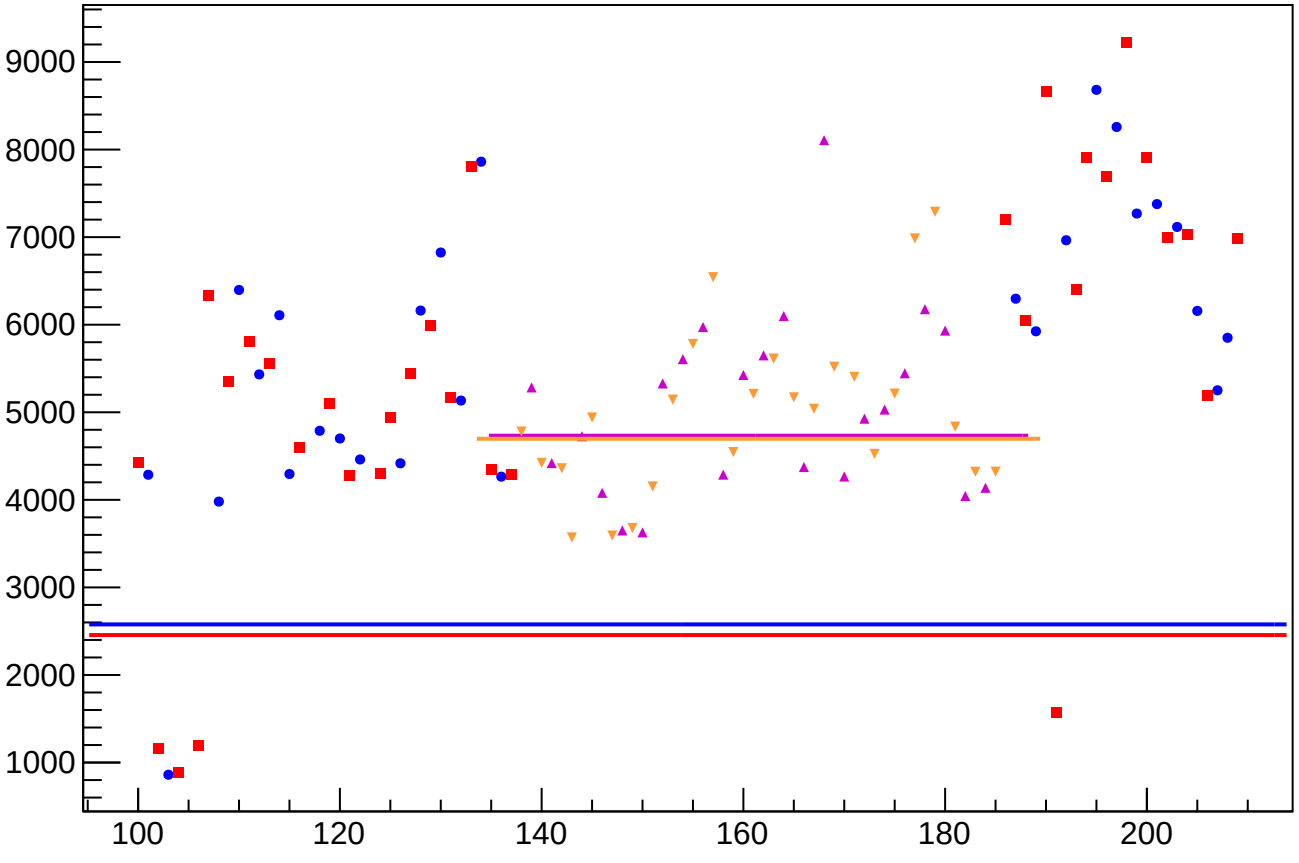
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign -36.445+/-688.807 χ^2/NDF: 56.1/51

All: 628.697+/-480.521 χ^2/NDF: 100.1/106

\- sign 1259.281+/-670.674 χ^2/NDF: 42.1/54

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2577.523+/-0.628 χ^2/NDF: 14493928.6/26

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2455.831+/-0.590 χ^2/NDF: 15672916.4/31

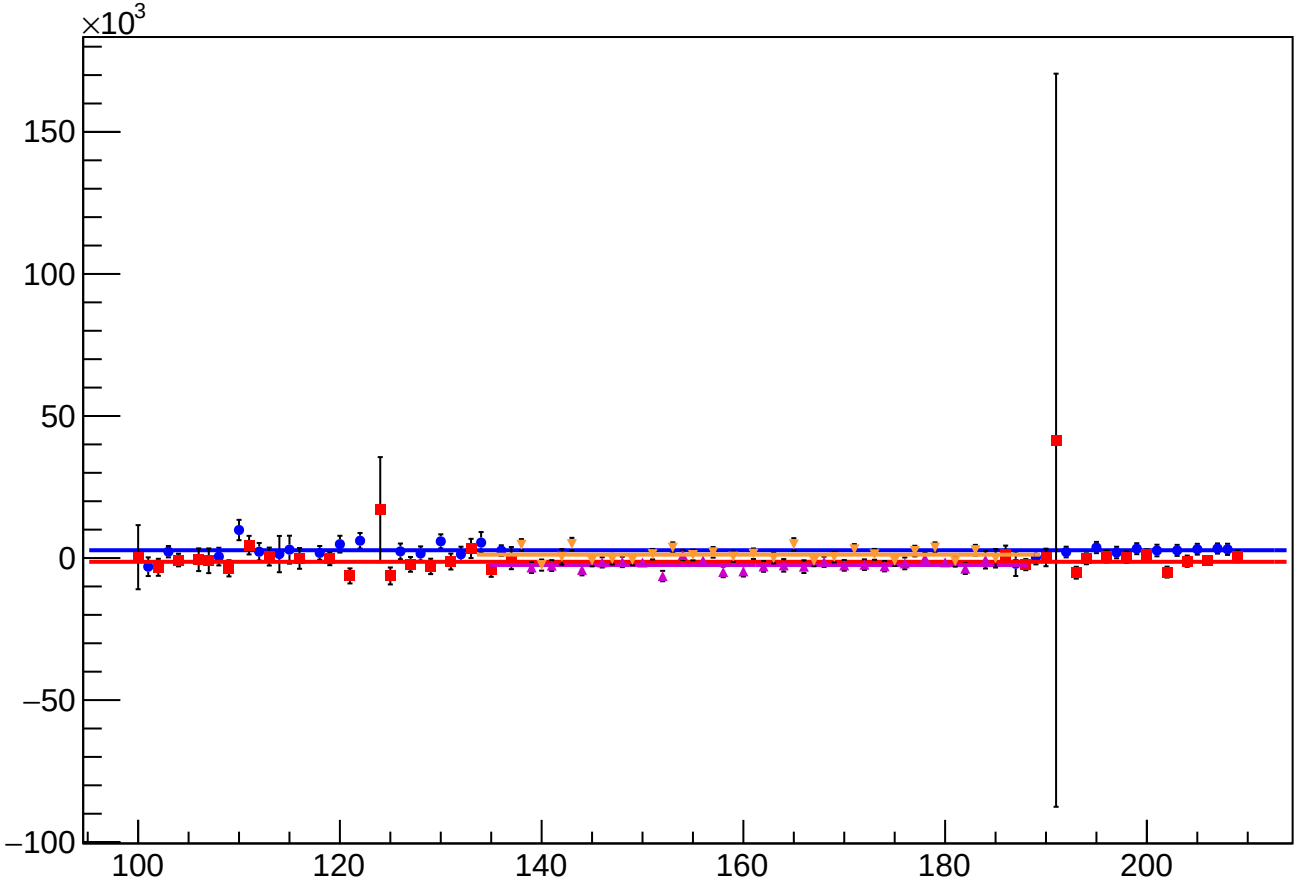
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3421.102+/-0.487 χ^2/NDF: 20272590.2/51

All: 3338.404+/-0.340 χ^2/NDF: 42509329.3/1

- sign 3260.004+/-0.474 χ^2/NDF: 22180580.5/54

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1324.688+/-454.270 χ^2/NDF: 28.7/31

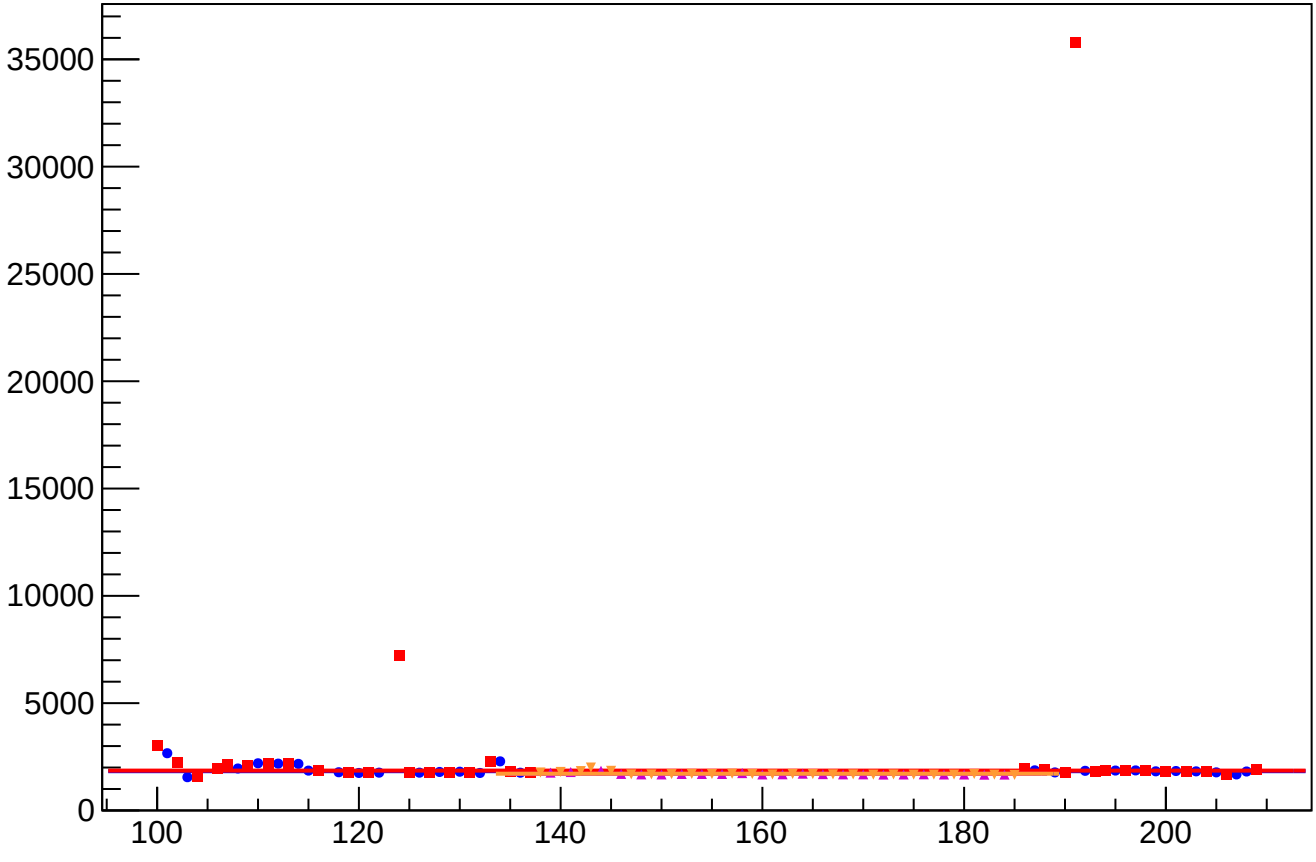
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1844.866+/-297.501 χ^2/NDF: 48.5/51

All: -43.384+/-211.014 χ^2/NDF: 179.1/106

- sign -1955.104+/-299.344 χ^2/NDF: 49.6/54

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.941+/-0.321 χ^2/NDF: 543512.0/31

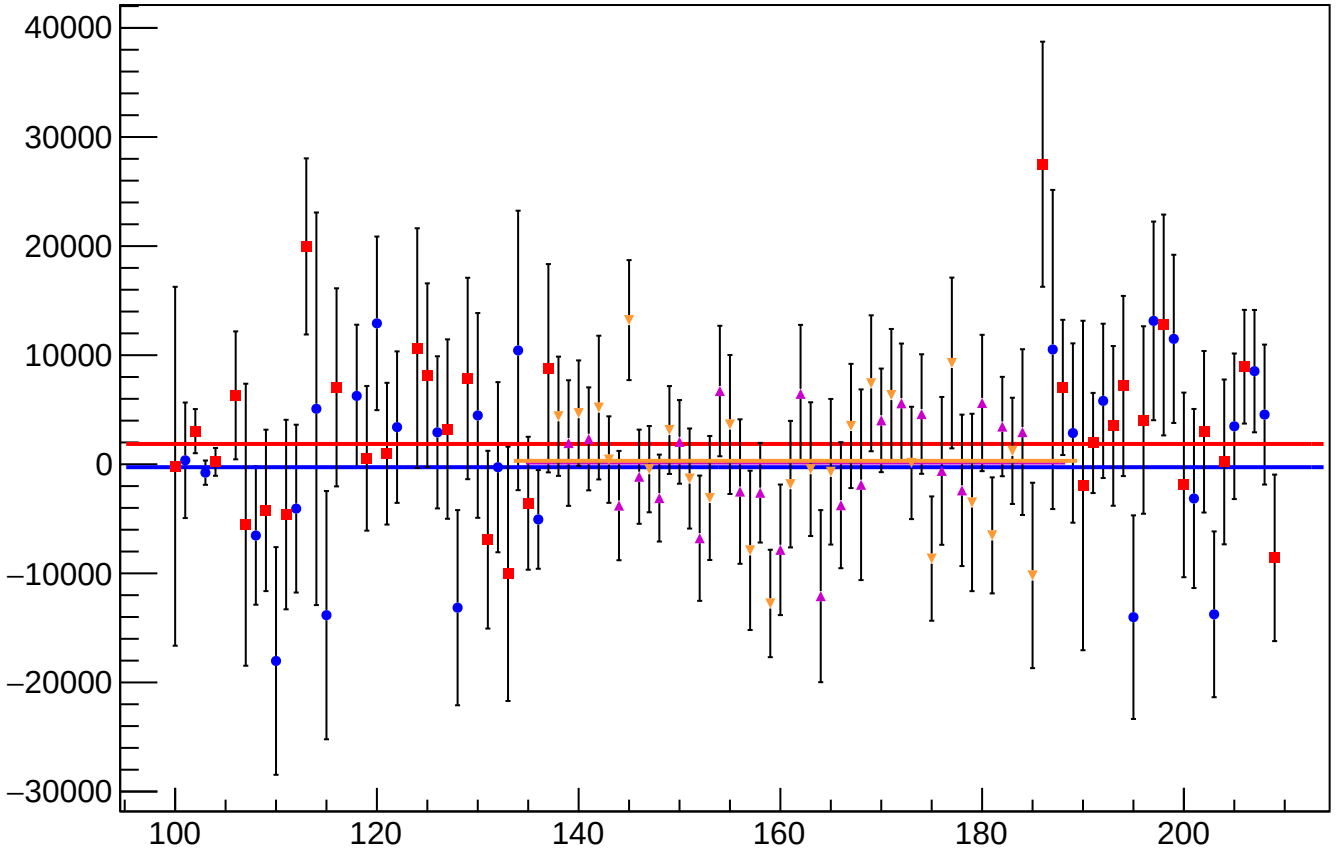
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF: 420055.5/51

All: 1765.470+/-0.149 χ^2/NDF: 1115681.0/10

- sign 1770.459+/-0.212 χ^2/NDF: 694520.1/54

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1862.767+/-857.984 χ^2/NDF: 26.4/31

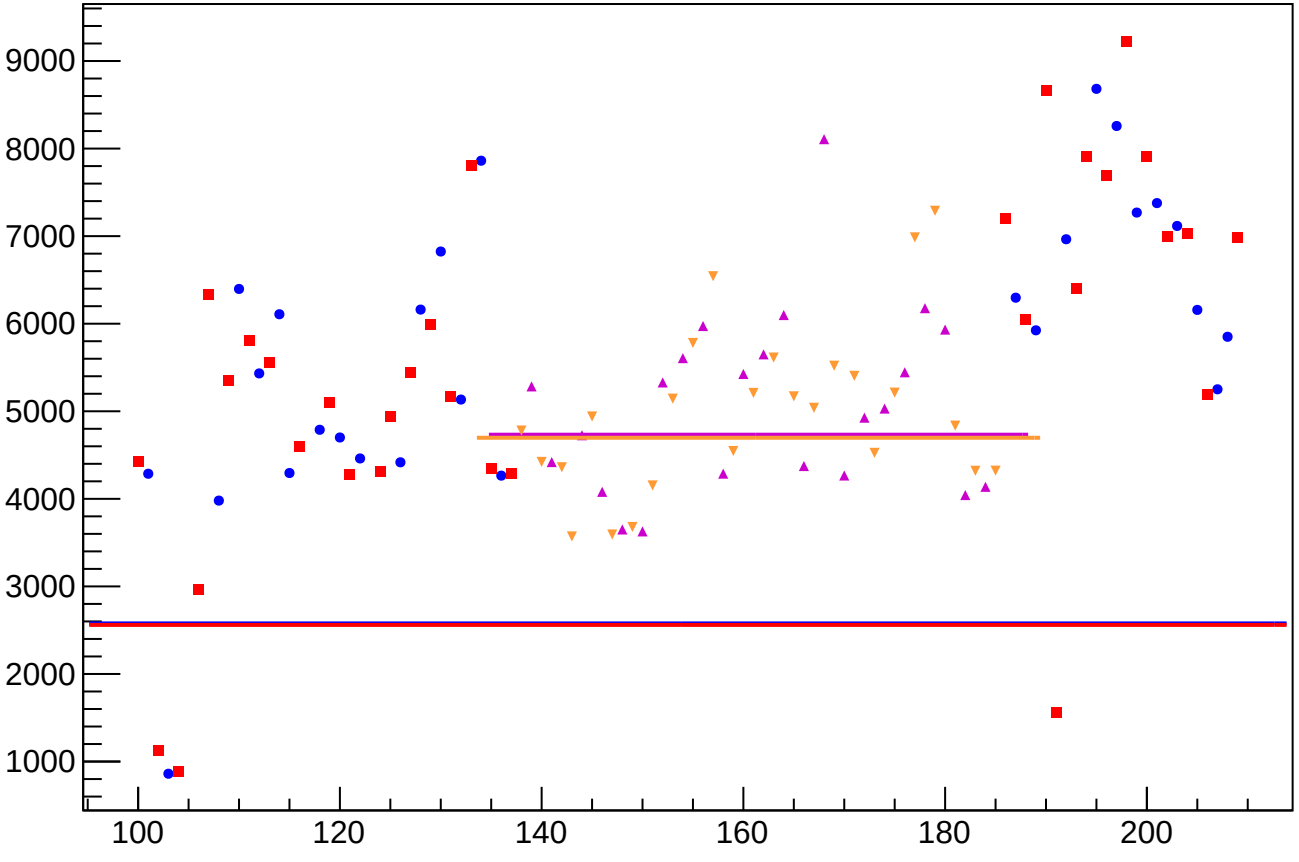
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -36.216+/-688.788 χ^2/NDF: 56.1/51

All: 606.411+/-484.983 χ^2/NDF: 100.4/106

\- sign 1238.261+/-682.987 χ^2/NDF: 42.5/54

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2577.326+/-0.628 χ^2/NDF: 14494939.1/26

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2560.410+/-0.607 χ^2/NDF: 15363820.8/31

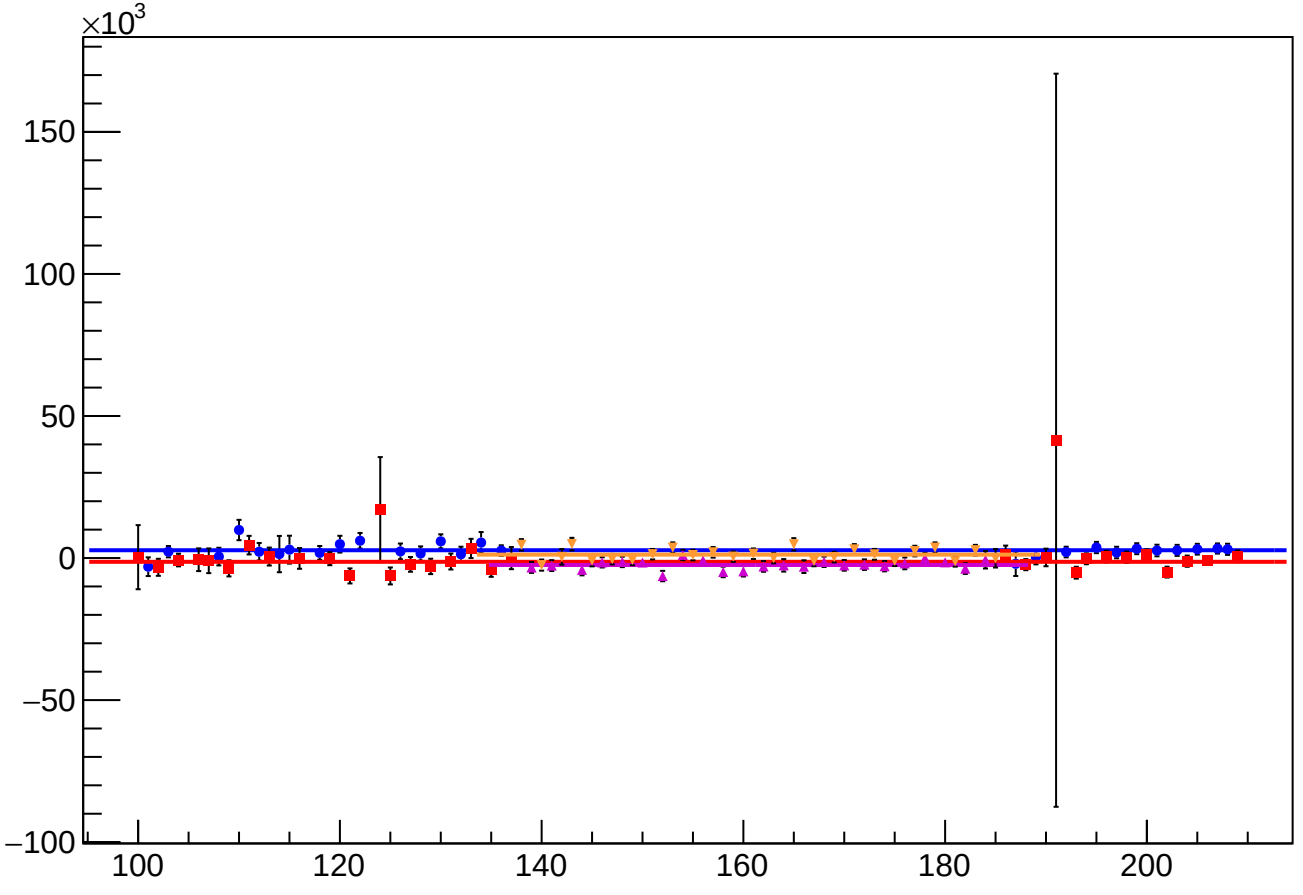
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3420.934+/-0.487 χ^2/NDF: 20274616.6/51

All: 3388.228+/-0.343 χ^2/NDF: 41585473.0/1

- sign 3356.070+/-0.483 χ^2/NDF: 21301913.3/54

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1324.688+/-454.270 χ^2/NDF: 28.7/31

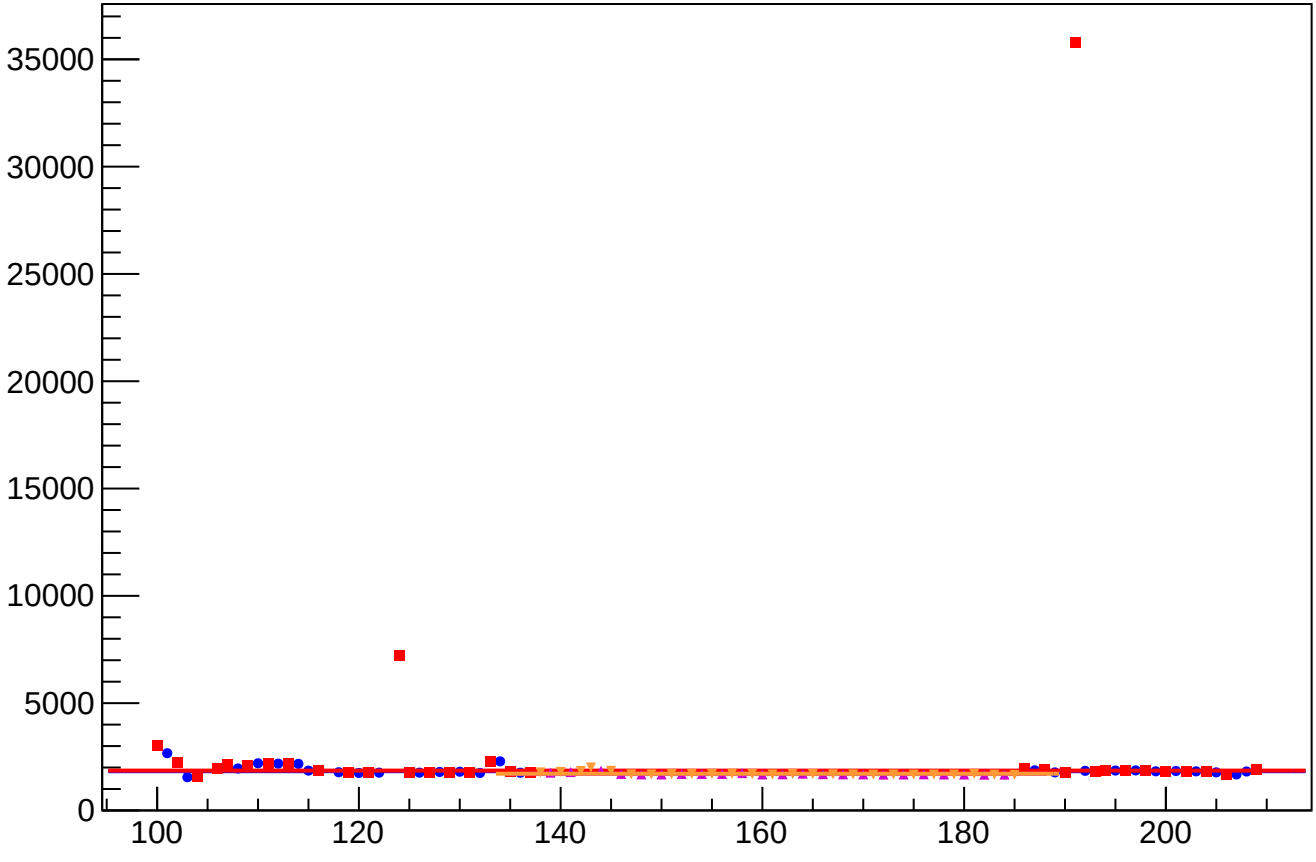
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1844.866+/-297.501 χ^2/NDF: 48.5/51

All: -43.384+/-211.014 χ^2/NDF: 179.1/106

- sign -1955.104+/-299.344 χ^2/NDF: 49.6/54

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.941+/-0.321 χ^2/NDF: 543512.0/31

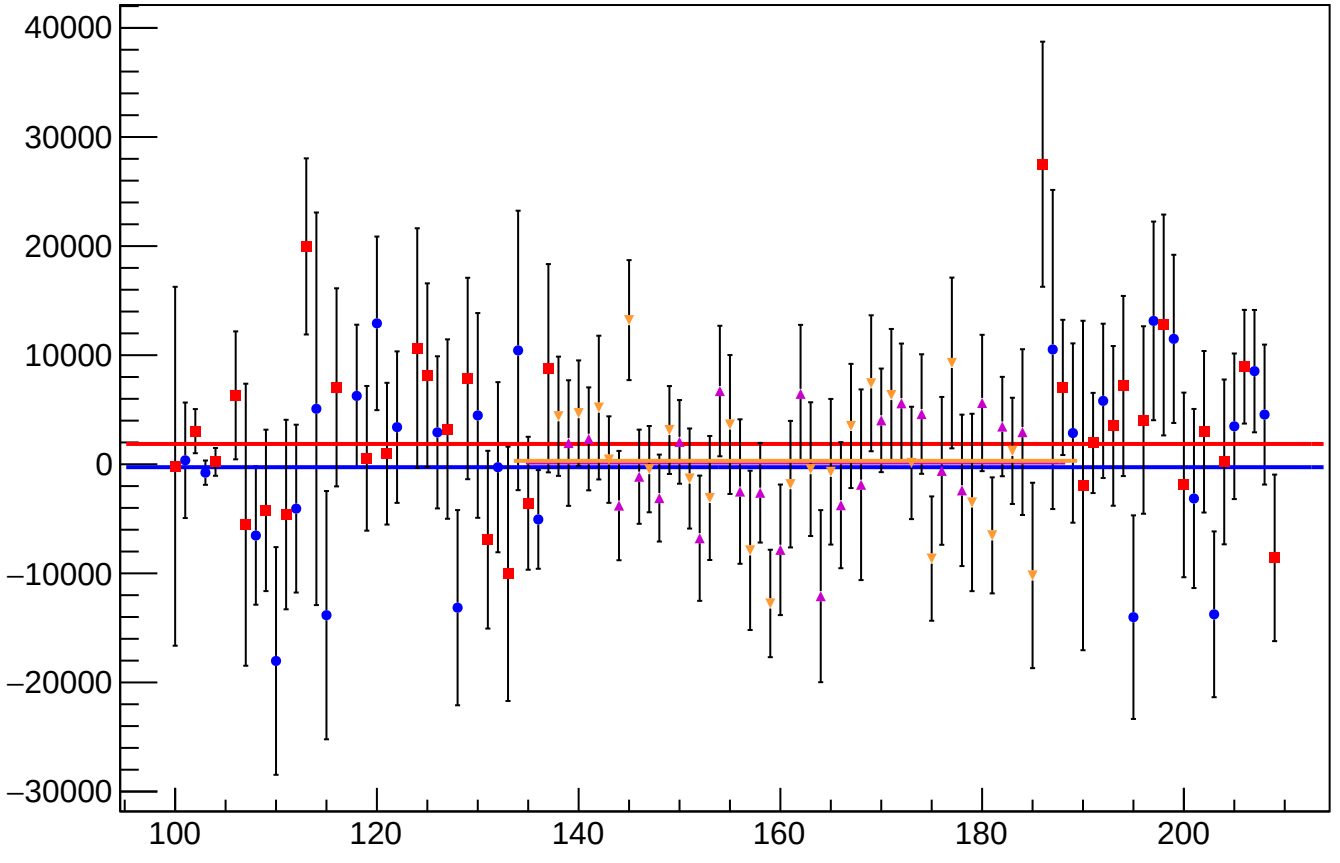
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1760.539+/-0.210 χ^2/NDF: 420055.5/51

All: 1765.470+/-0.149 χ^2/NDF: 1115681.0/10

- sign 1770.459+/-0.212 χ^2/NDF: 694520.1/54

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

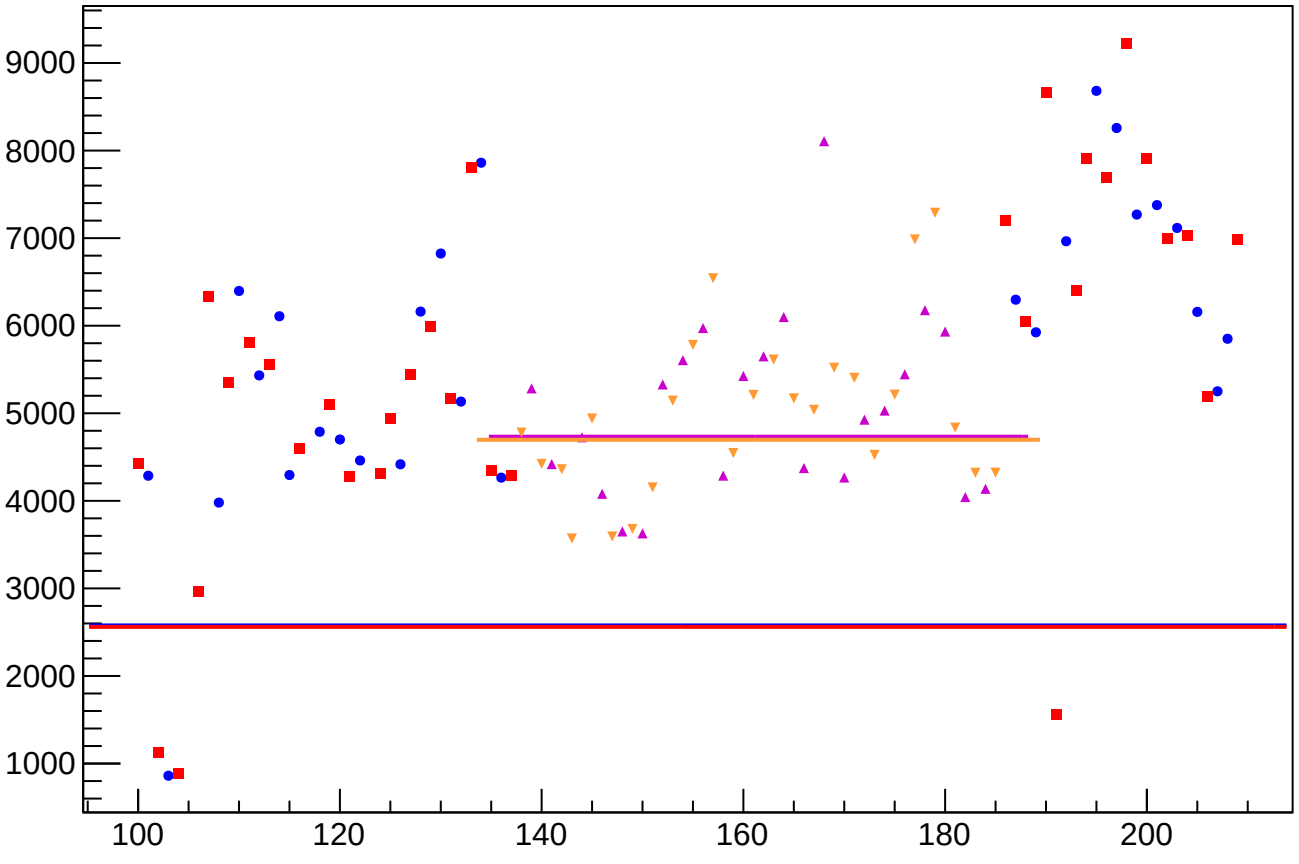
Right Out: 1862.767+/-857.984 χ^2/NDF: 26.4/31

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -36.216+/-688.788 χ^2/NDF: 56.1/51

All: 606.411+/-484.983 χ^2/NDF: 100.4/106

\- sign 1238.261+/-682.987 χ^2/NDF: 42.5/54



Right In: 2577.326+/-0.628 χ^2/NDF: 14494939.1/26

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2560.410+/-0.607 χ^2/NDF: 15363820.8/31

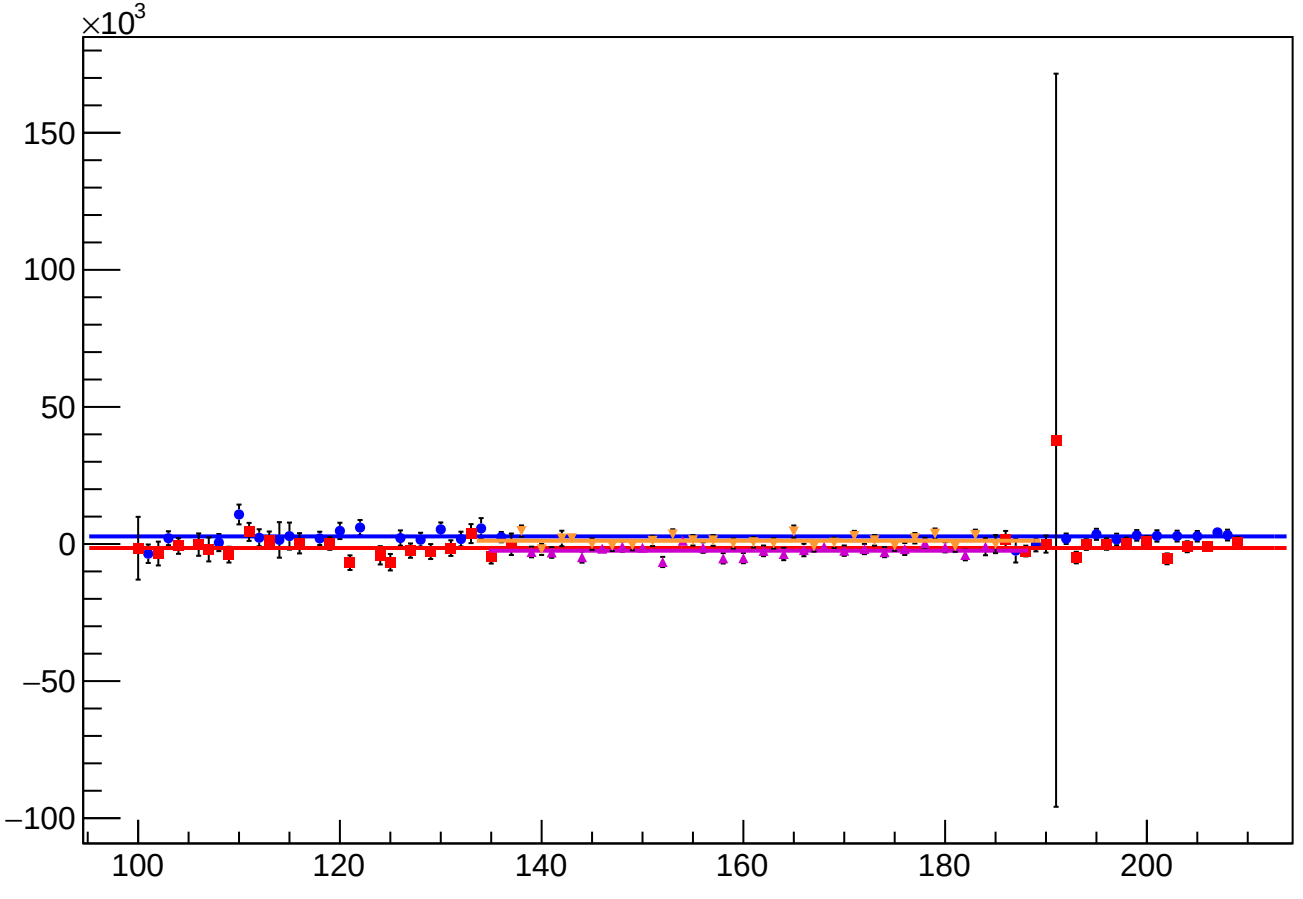
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3420.934+/-0.487 χ^2/NDF: 20274616.6/51

All: 3388.228+/-0.343 χ^2/NDF: 41585473.0/1

- sign 3356.070+/-0.483 χ^2/NDF: 21301913.3/54

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2774.206+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1453.271+/-462.165 χ^2/NDF: 30.3/31

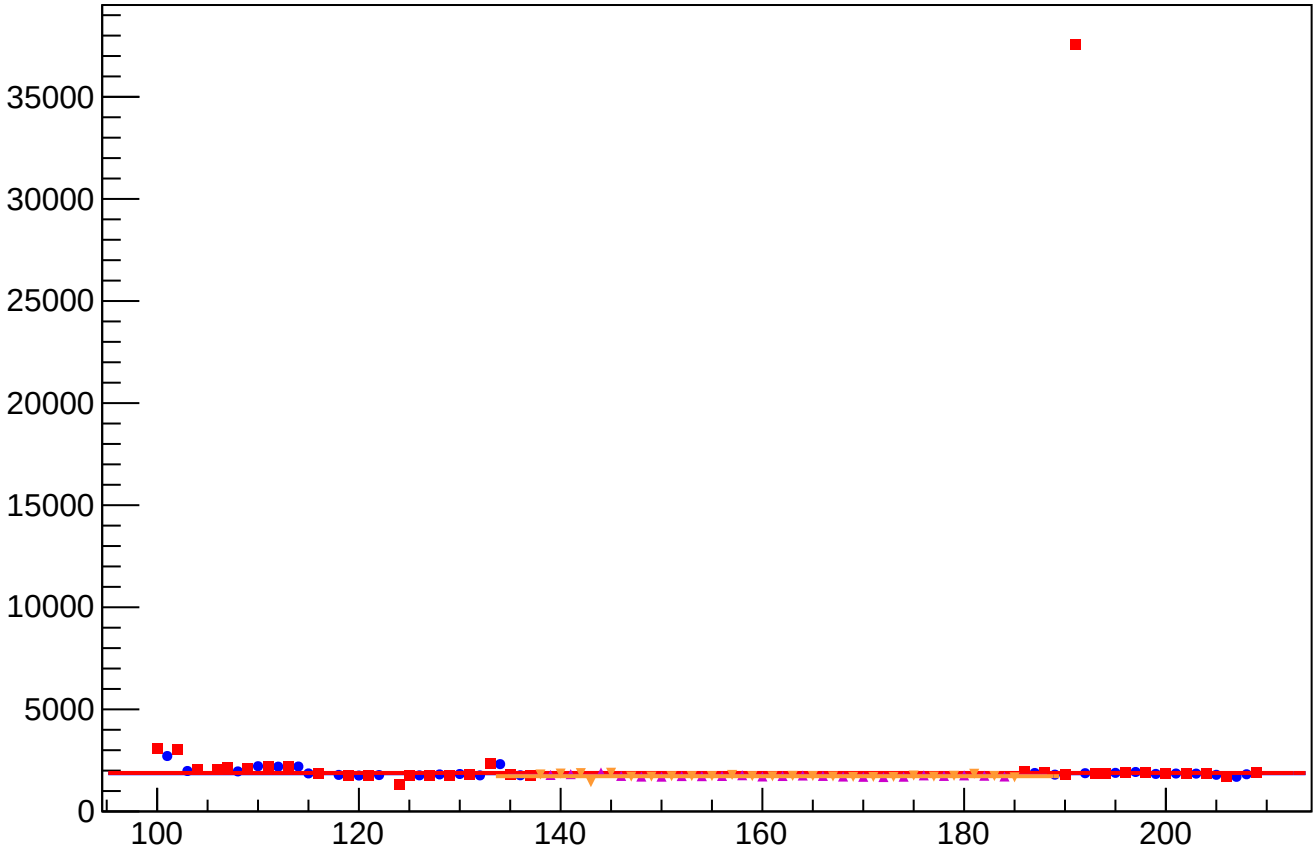
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1843.106+/-301.978 χ^2/NDF: 43.4/51

All: -58.645+/-214.827 χ^2/NDF: 177.1/106

- sign -2007.263+/-305.677 χ^2/NDF: 53.4/54

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.534+/-0.334 χ^2/NDF: 251626.4/26

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

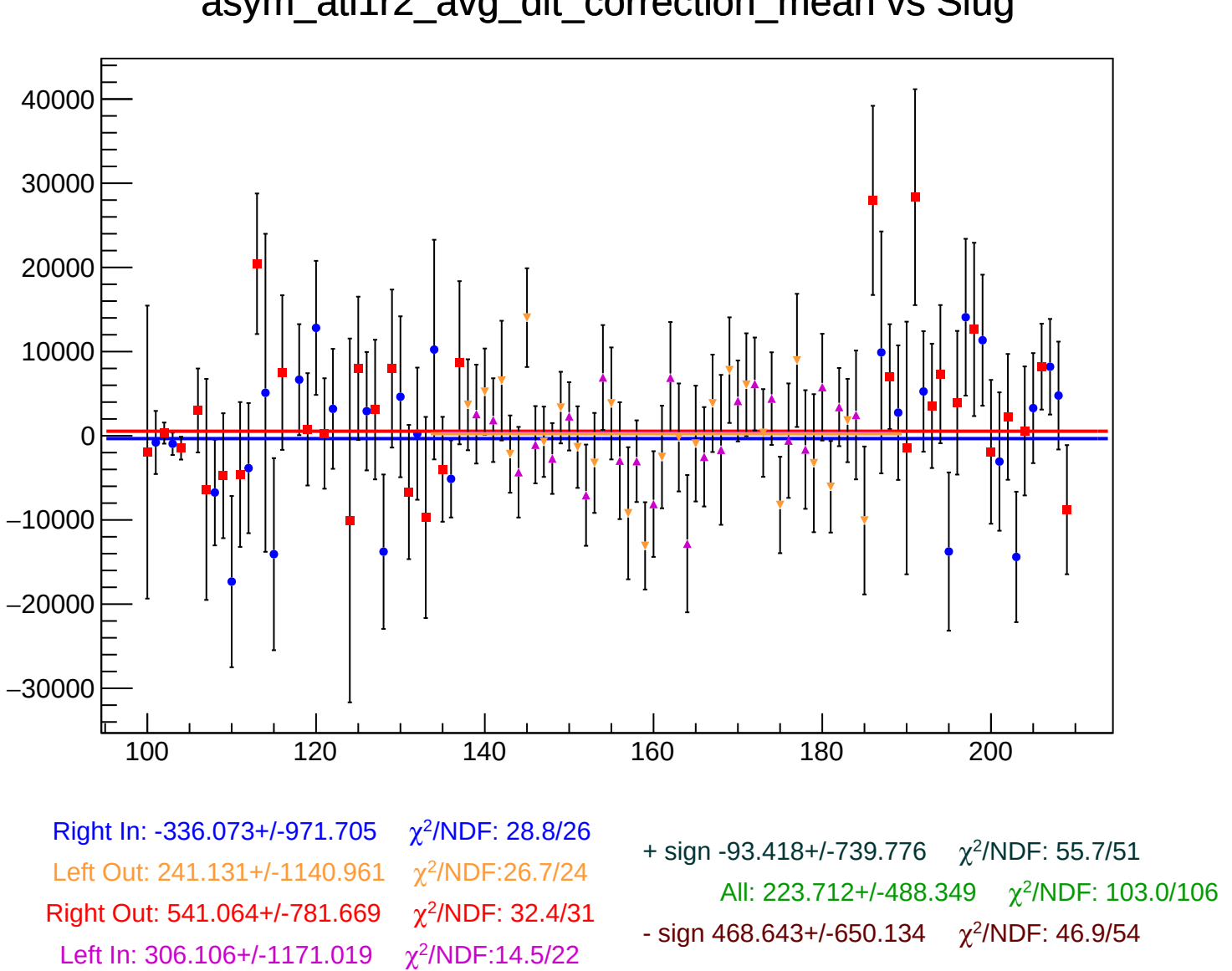
Right Out: 1885.784+/-0.327 χ^2/NDF: 520782.7/31

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

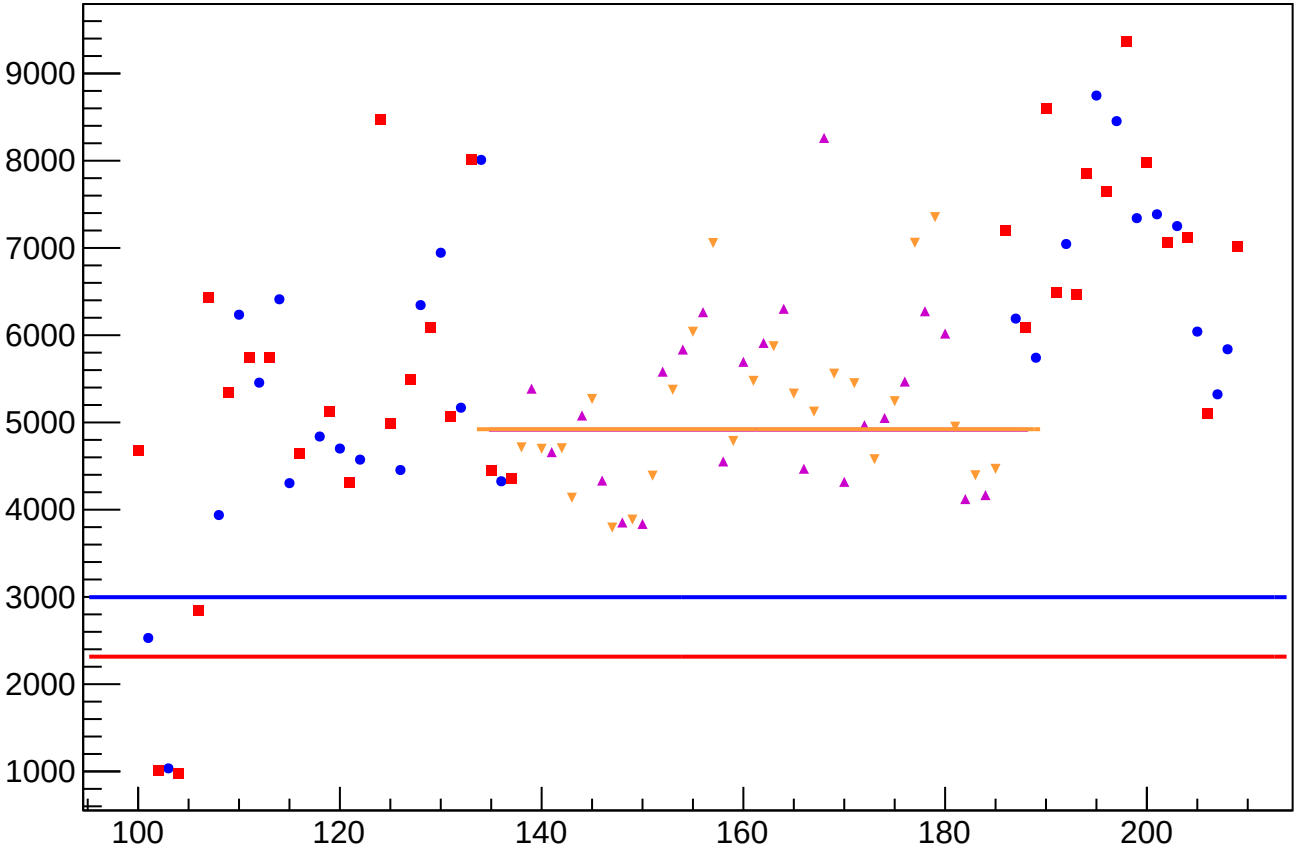
+ sign 1785.918+/-0.214 χ^2/NDF: 470801.0/51

All: 1796.037+/-0.152 χ^2/NDF: 1127913.3/10

- sign 1806.403+/-0.216 χ^2/NDF: 652566.1/54


asym_atl1r2_avg_dit_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -336.073+/-971.705 χ²/NDF: 28.8/26
Left Out: 241.131+/-1140.961 χ²/NDF:26.7/24
Right Out: 541.064+/-781.669 χ²/NDF: 32.4/31
Left In: 306.106+/-1171.019 χ²/NDF:14.5/22
+ sign -93.418+/-739.776 χ²/NDF: 55.7/51
All: 223.712+/-488.349 χ²/NDF: 103.0/106
- sign 468.643+/-650.134 χ²/NDF: 46.9/54

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2997.164+/-0.687 χ^2/NDF: 11946508.7/26

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2315.577+/-0.553 χ^2/NDF: 16784601.9/31

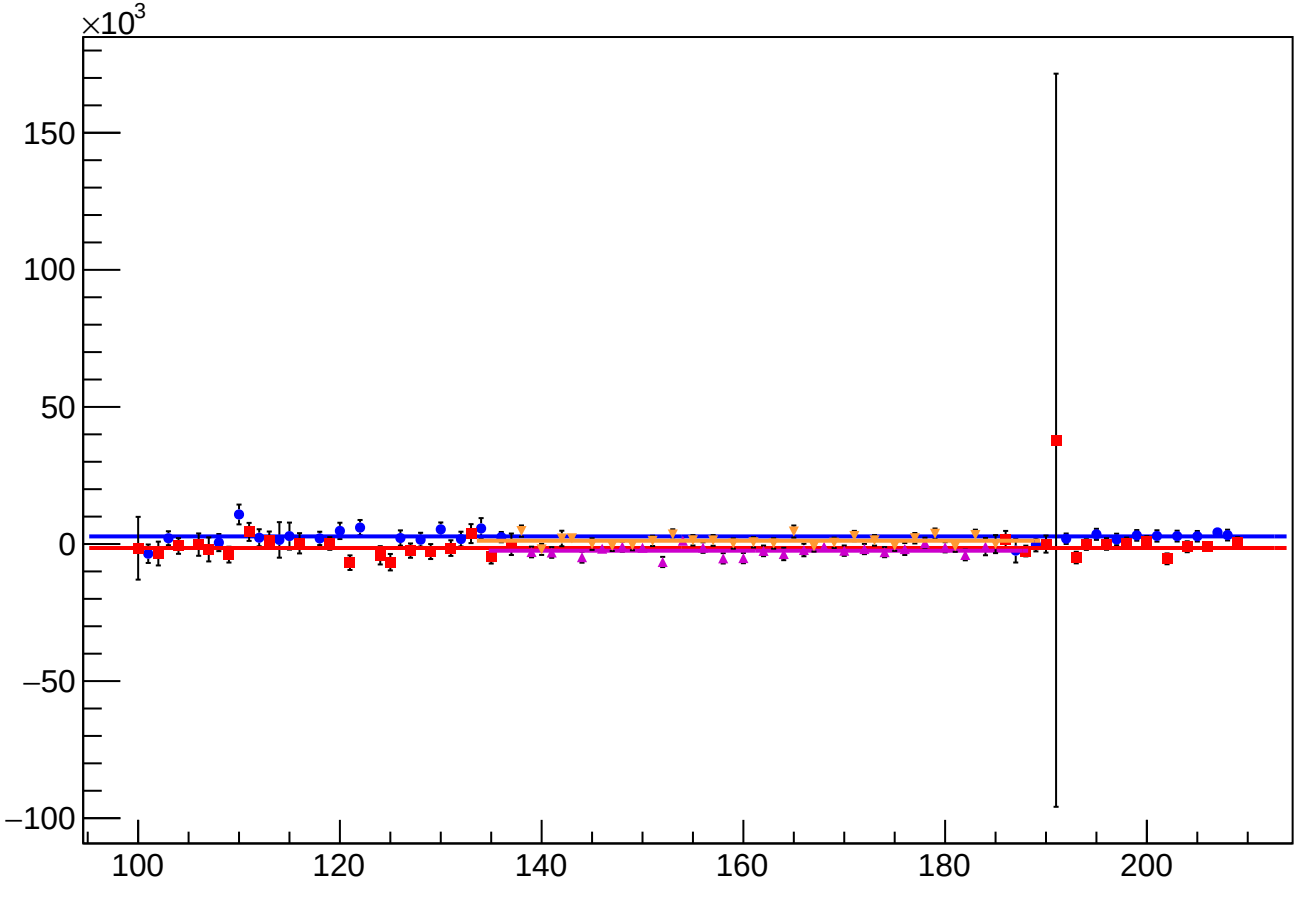
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3806.518+/-0.523 χ^2/NDF: 16297407.0/51

All: 3417.703+/-0.345 χ^2/NDF: 42050503.6/1

- sign 3117.408+/-0.460 χ^2/NDF: 24773918.8/54

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2774.203+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1453.272+/-462.165 χ^2/NDF: 30.3/31

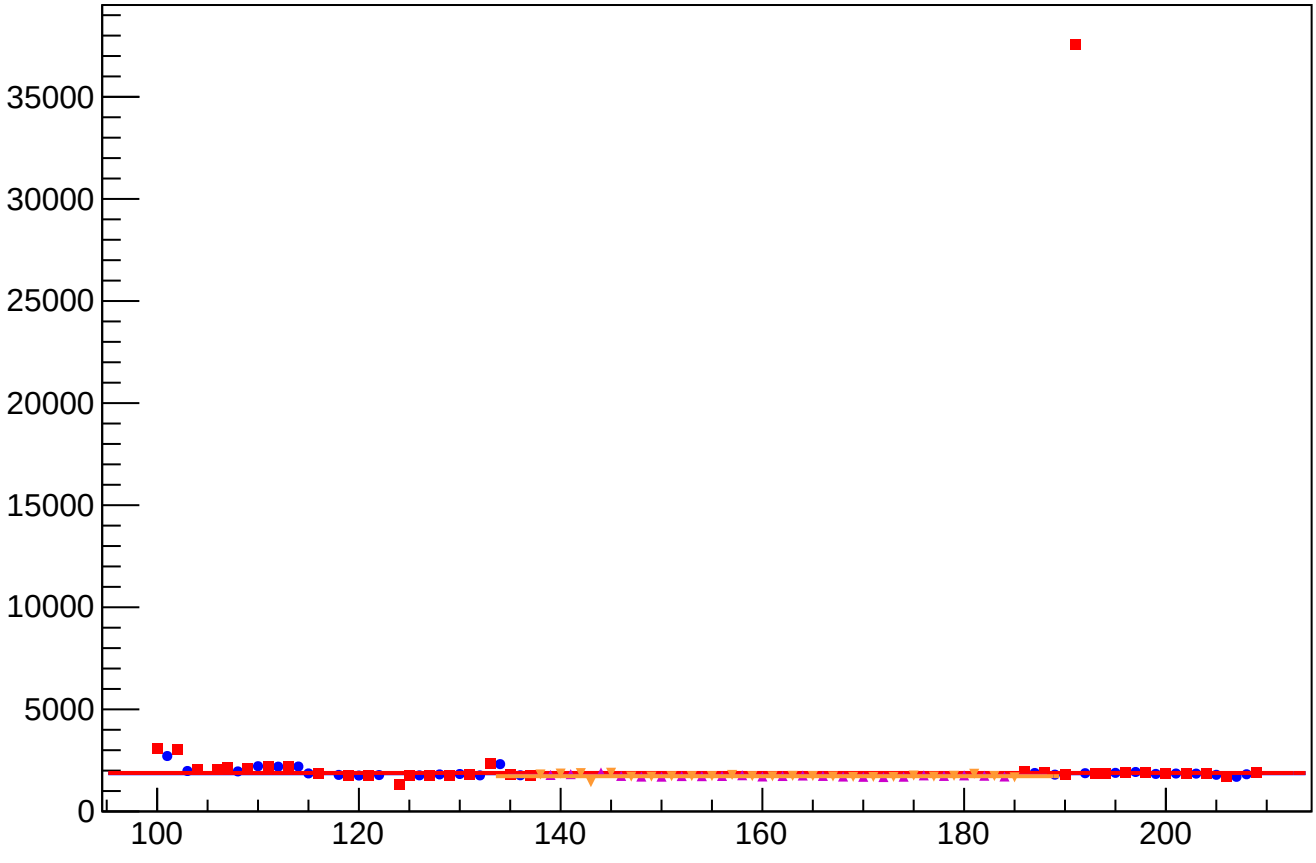
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1843.101+/-301.978 χ^2/NDF: 43.4/51

All: -58.647+/-214.827 χ^2/NDF: 177.1/106

- sign -2007.264+/-305.677 χ^2/NDF: 53.4/54

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.533+/-0.334 χ^2/NDF: 251626.3/26

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

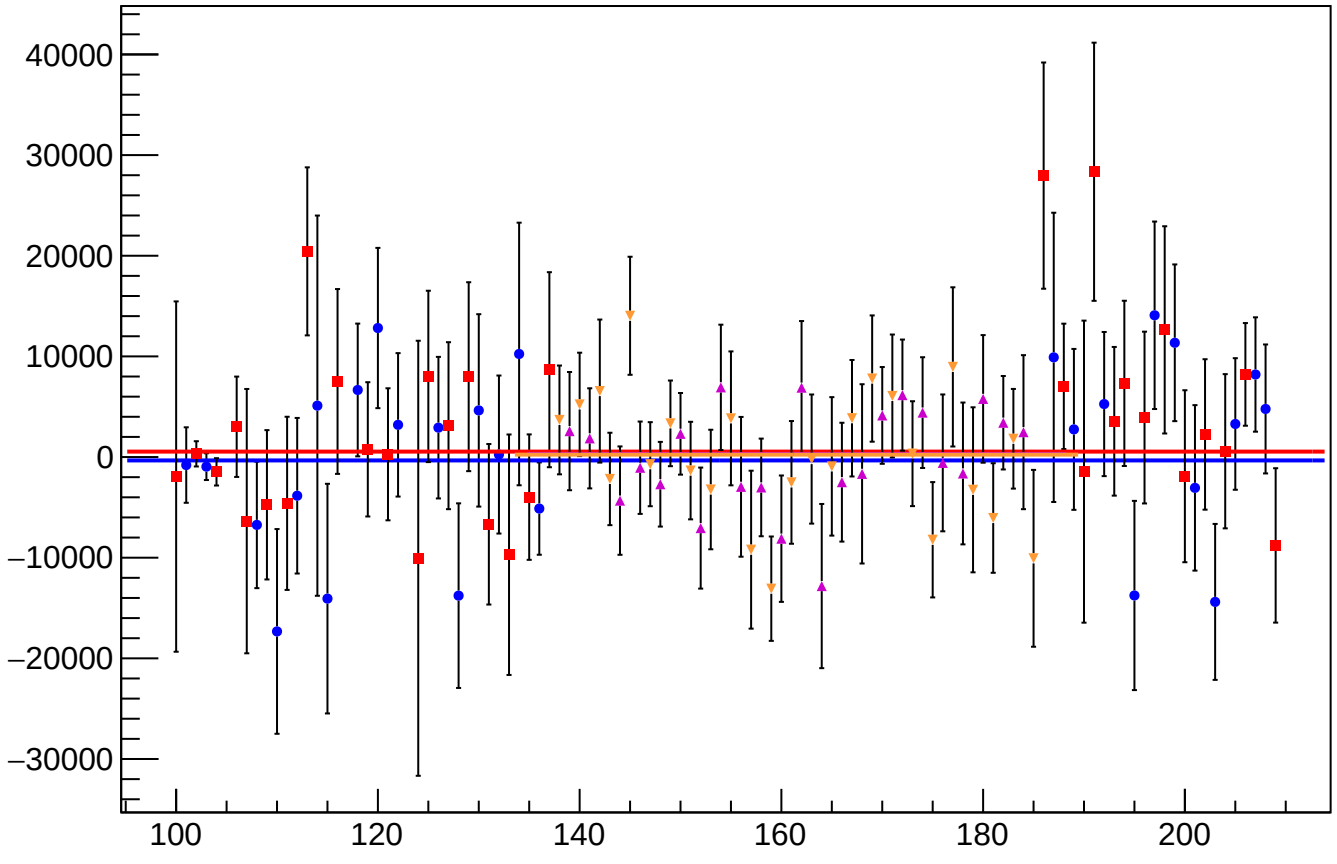
Right Out: 1885.784+/-0.327 χ^2/NDF: 520781.5/31

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1785.919+/-0.214 χ^2/NDF: 470798.1/51

All: 1796.038+/-0.152 χ^2/NDF: 1127908.0/10

- sign 1806.403+/-0.216 χ^2/NDF: 652563.6/54



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 541.068+/-781.668 χ^2/NDF: 32.4/31

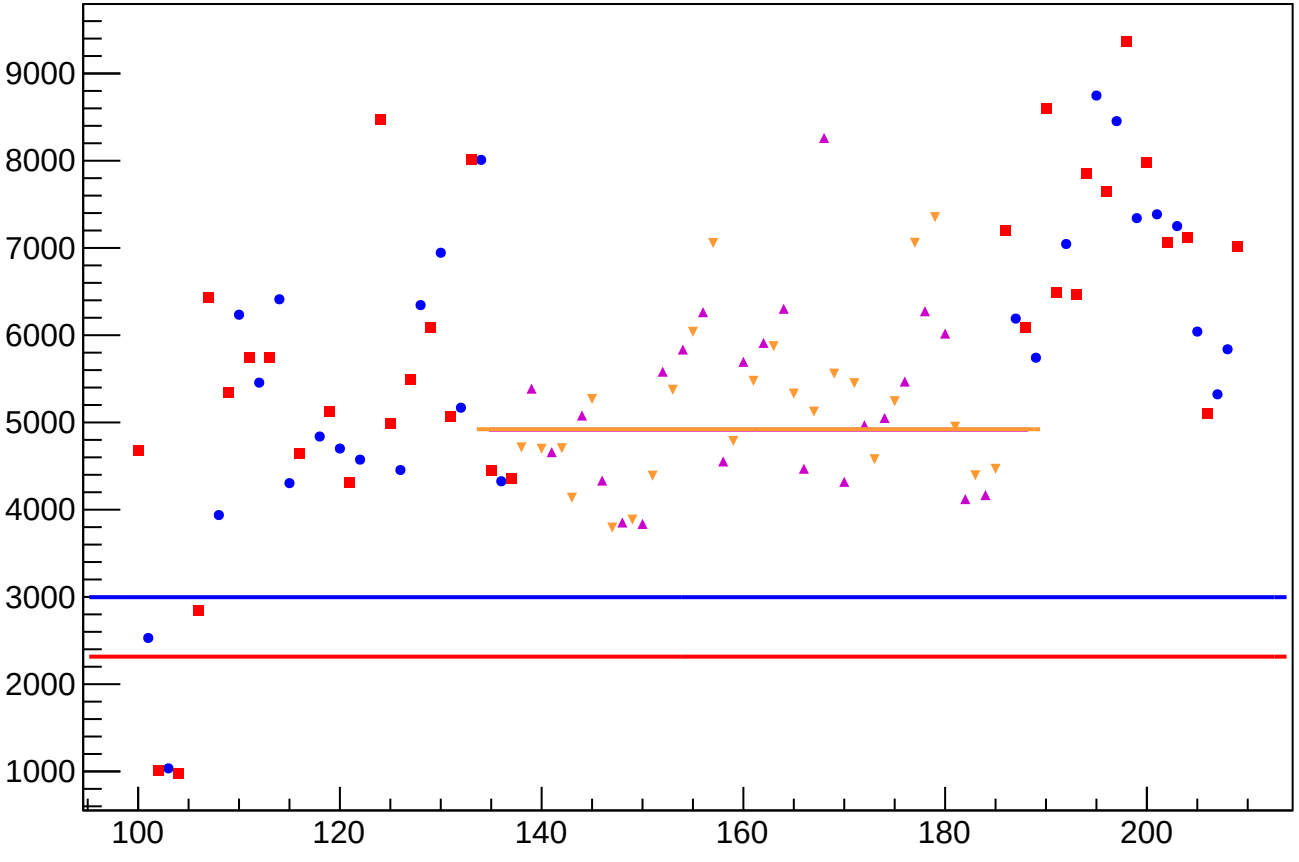
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

\+ sign -93.420+/-739.776 χ^2/NDF: 55.7/51

All: 223.714+/-488.349 χ^2/NDF: 103.0/106

\- sign 468.646+/-650.134 χ^2/NDF: 46.9/54

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2997.163+/-0.687 χ^2/NDF: 11946515.2/26

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2315.575+/-0.553 χ^2/NDF: 16784603.8/31

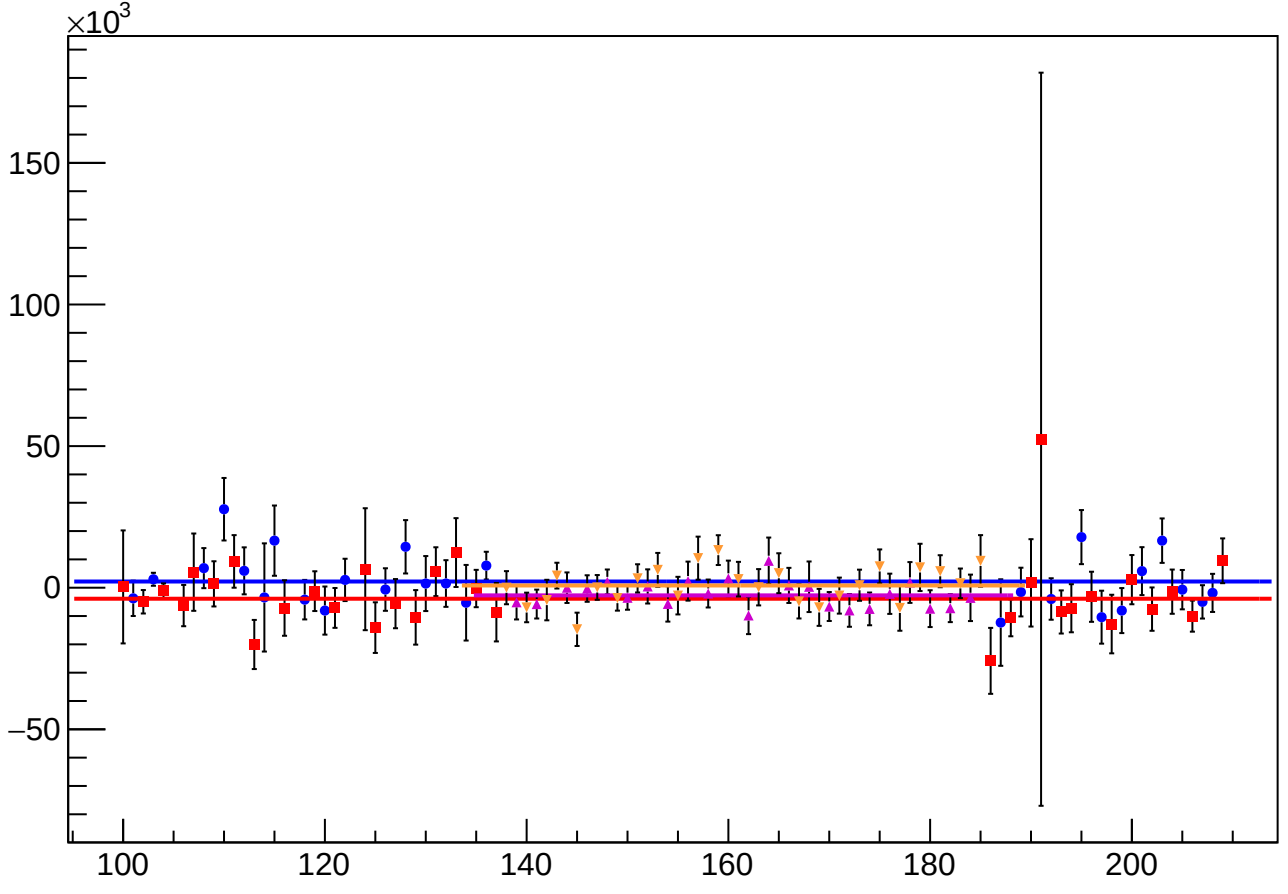
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3806.519+/-0.523 χ^2/NDF: 16297443.9/51

All: 3417.703+/-0.345 χ^2/NDF: 42050581.3/1

- sign 3117.407+/-0.460 χ^2/NDF: 24773957.0/54

asym_atl1r2_avg_mean vs Slug



Right In: 2190.919+/-1292.515 χ^2/NDF: 27.8/26

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3890.418+/-1291.544 χ^2/NDF: 25.1/31

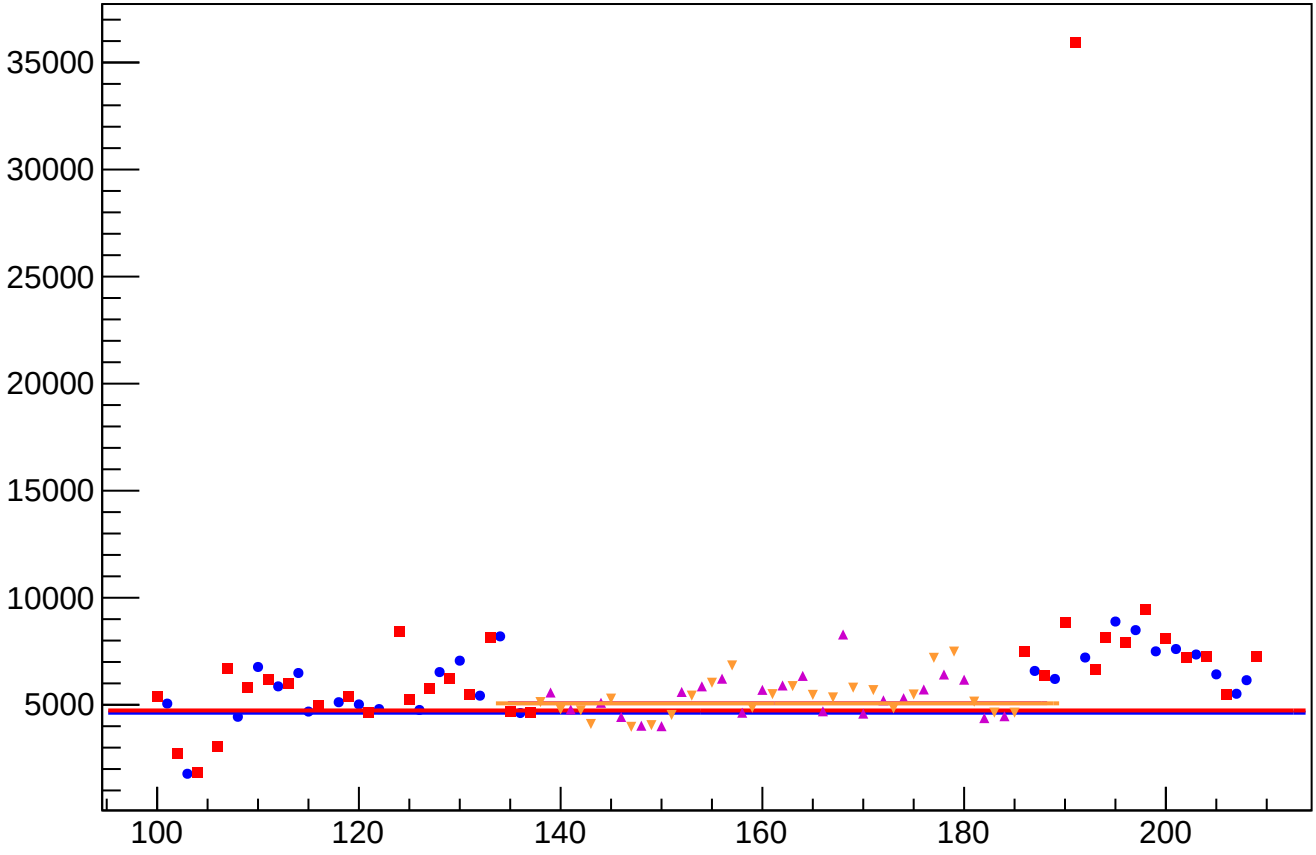
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1420.980+/-868.202 χ^2/NDF: 56.0/51

All: -882.552+/-618.584 χ^2/NDF: 107.8/106

- sign -3257.576+/-881.572 χ^2/NDF: 37.5/54

asym_atl1r2_avg_rms vs Slug



Right In: 4630.671+/-0.914 χ^2/NDF: 5741379.0/26

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4735.805+/-0.907 χ^2/NDF: 6164486.9/31

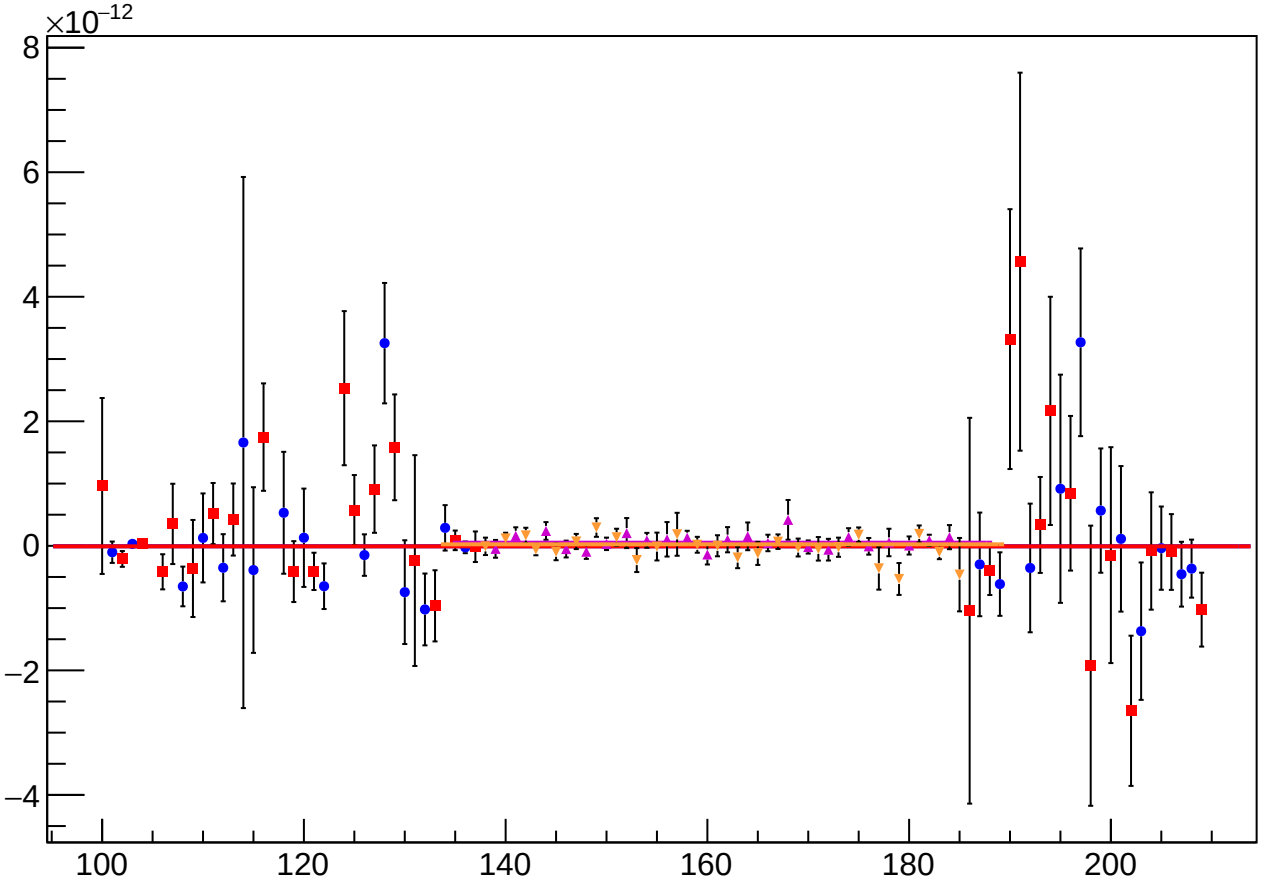
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4870.620+/-0.614 χ^2/NDF: 6821231.4/51

All: 4894.170+/-0.437 χ^2/NDF: 14066241.6/1

- sign 4918.292+/-0.621 χ^2/NDF: 7242031.5/54

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

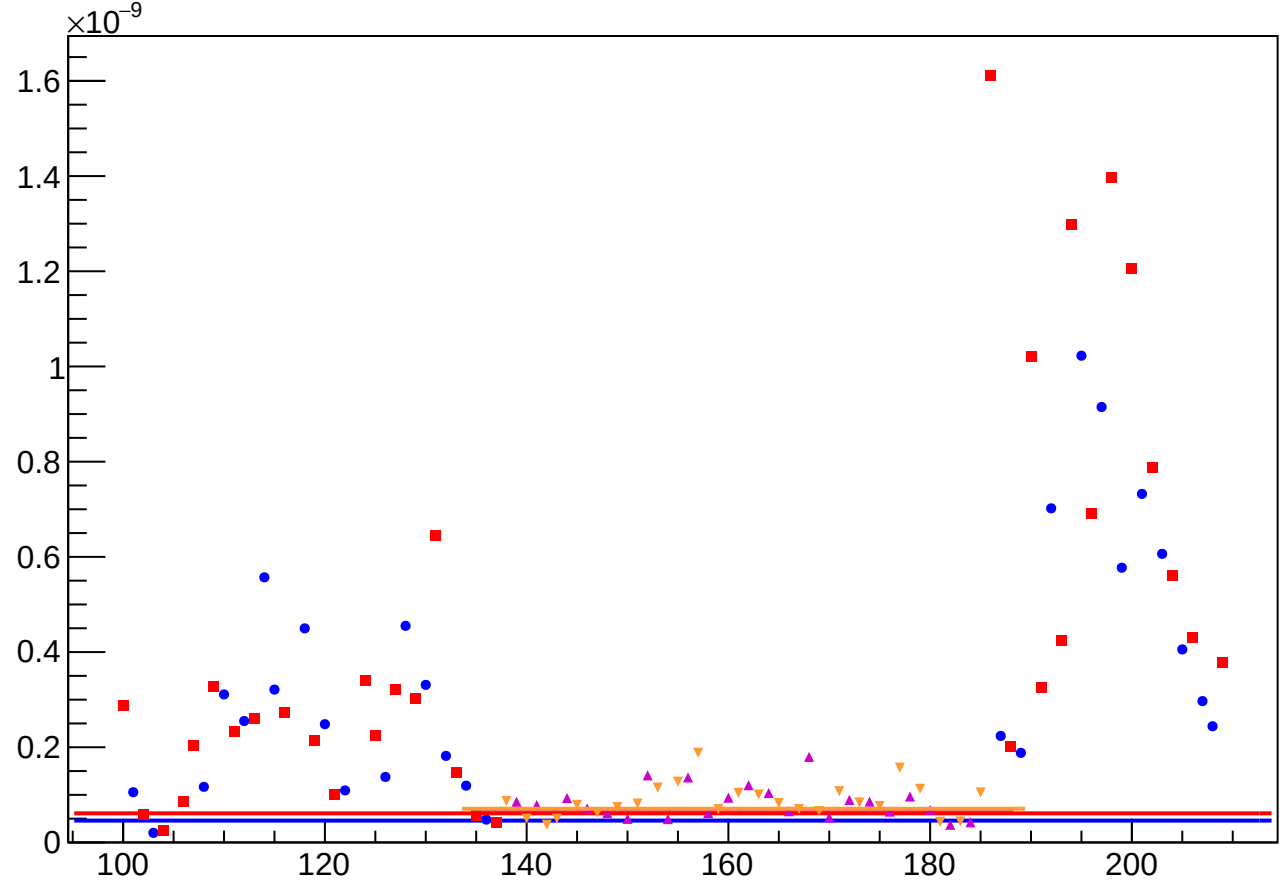
Right Out: -0.000+/-0.000 χ^2/NDF: 44.8/31

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/51

All: 0.000+/-0.000 χ^2/NDF: 116.7/106

- sign 0.000+/-0.000 χ^2/NDF: 57.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 8708185.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10289855.2/31

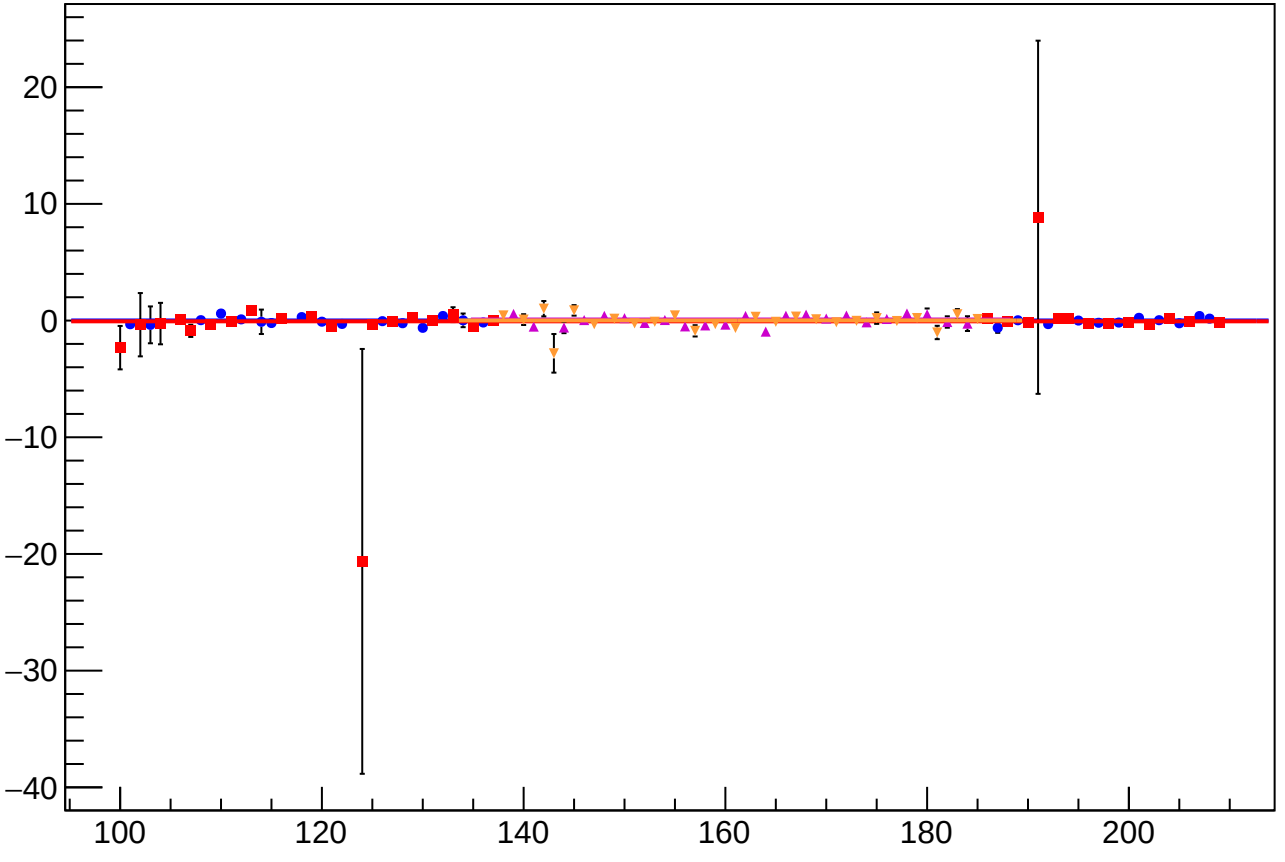
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10782703.0/51

All: 0.000+/-0.000 χ^2/NDF: 22600937.2/106

- sign 0.000+/-0.000 χ^2/NDF: 11763936.8/54

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.064+/-0.048 χ^2/NDF: 30.2/31

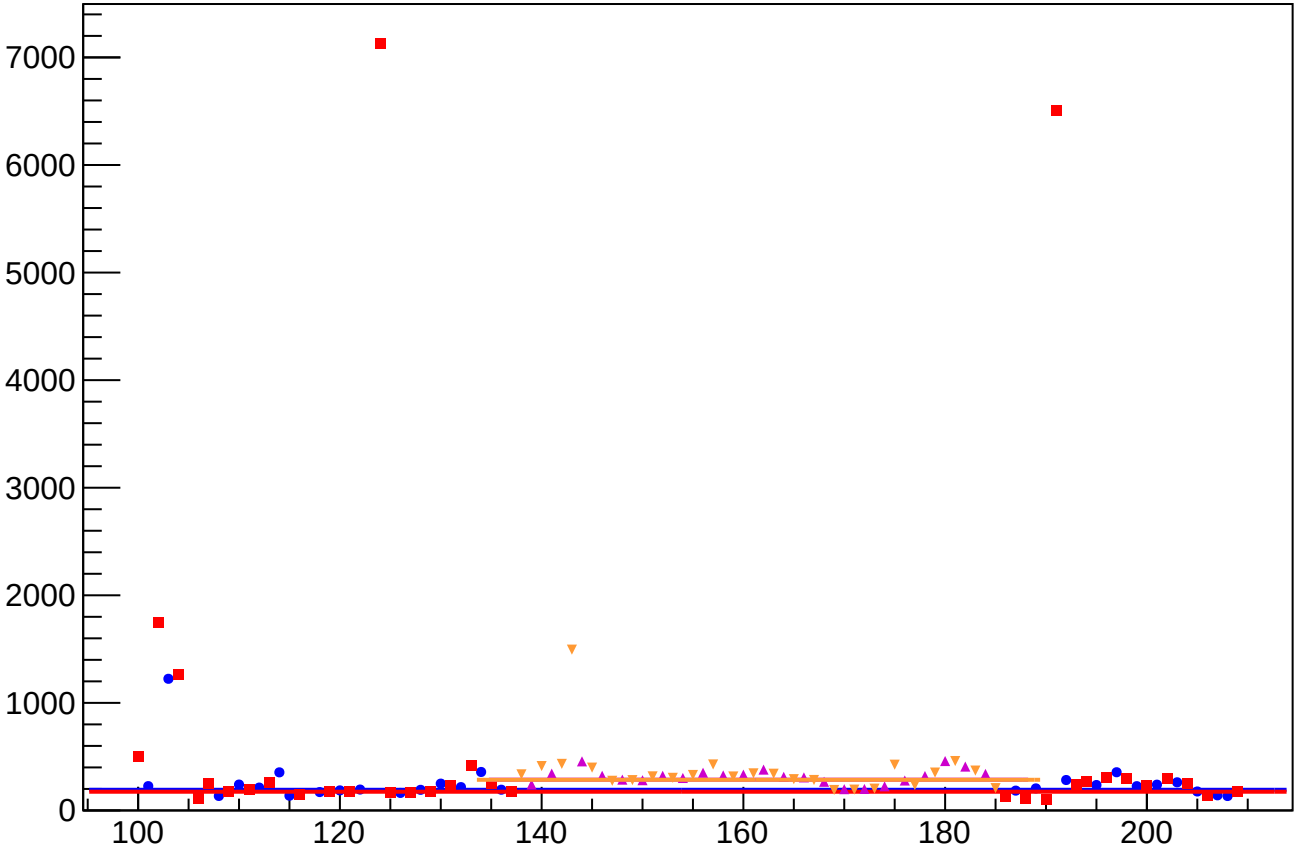
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: -0.003+/-0.029 χ^2/NDF: 117.5/106

- sign -0.015+/-0.040 χ^2/NDF: 64.4/54

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

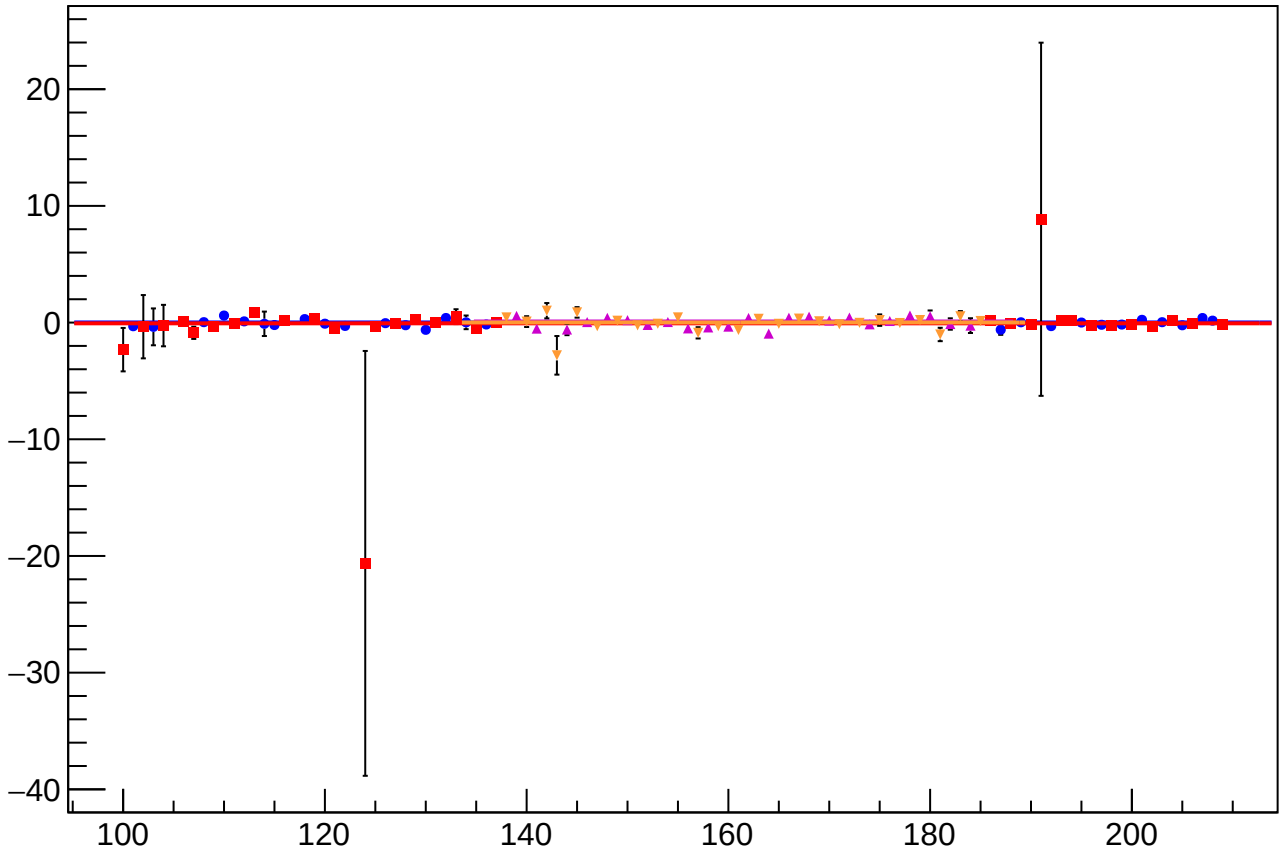
Right Out: 174.042+/-0.034 χ^2/NDF: 5365664.5/31

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 225.765+/-0.030 χ^2/NDF: 8364933.5/51

All: 217.192+/-0.020 χ^2/NDF: 19076131.2/10

- sign 209.536+/-0.028 χ^2/NDF: 10553302.6/54



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.064+/-0.048 χ^2/NDF: 30.2/31

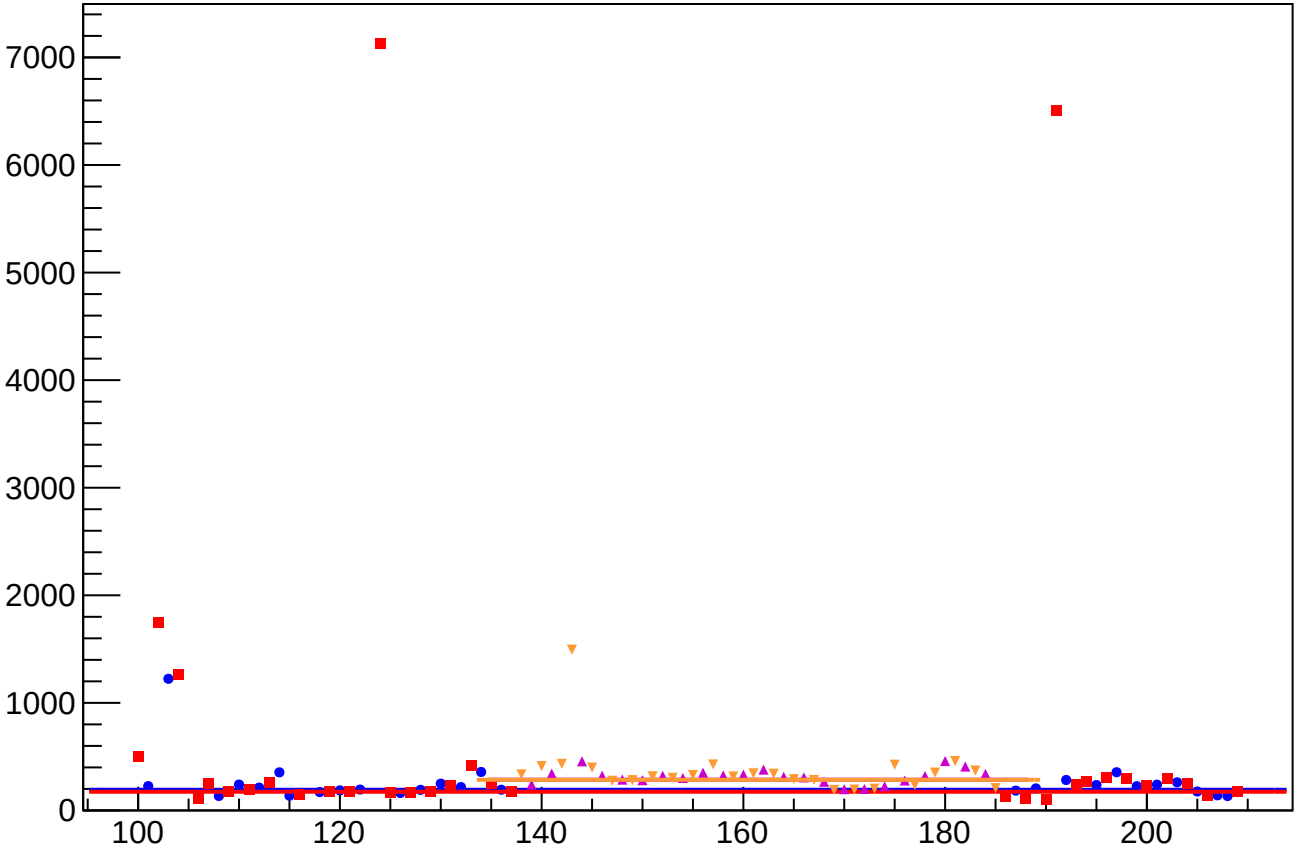
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: -0.003+/-0.029 χ^2/NDF: 117.5/106

- sign -0.015+/-0.040 χ^2/NDF: 64.4/54

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

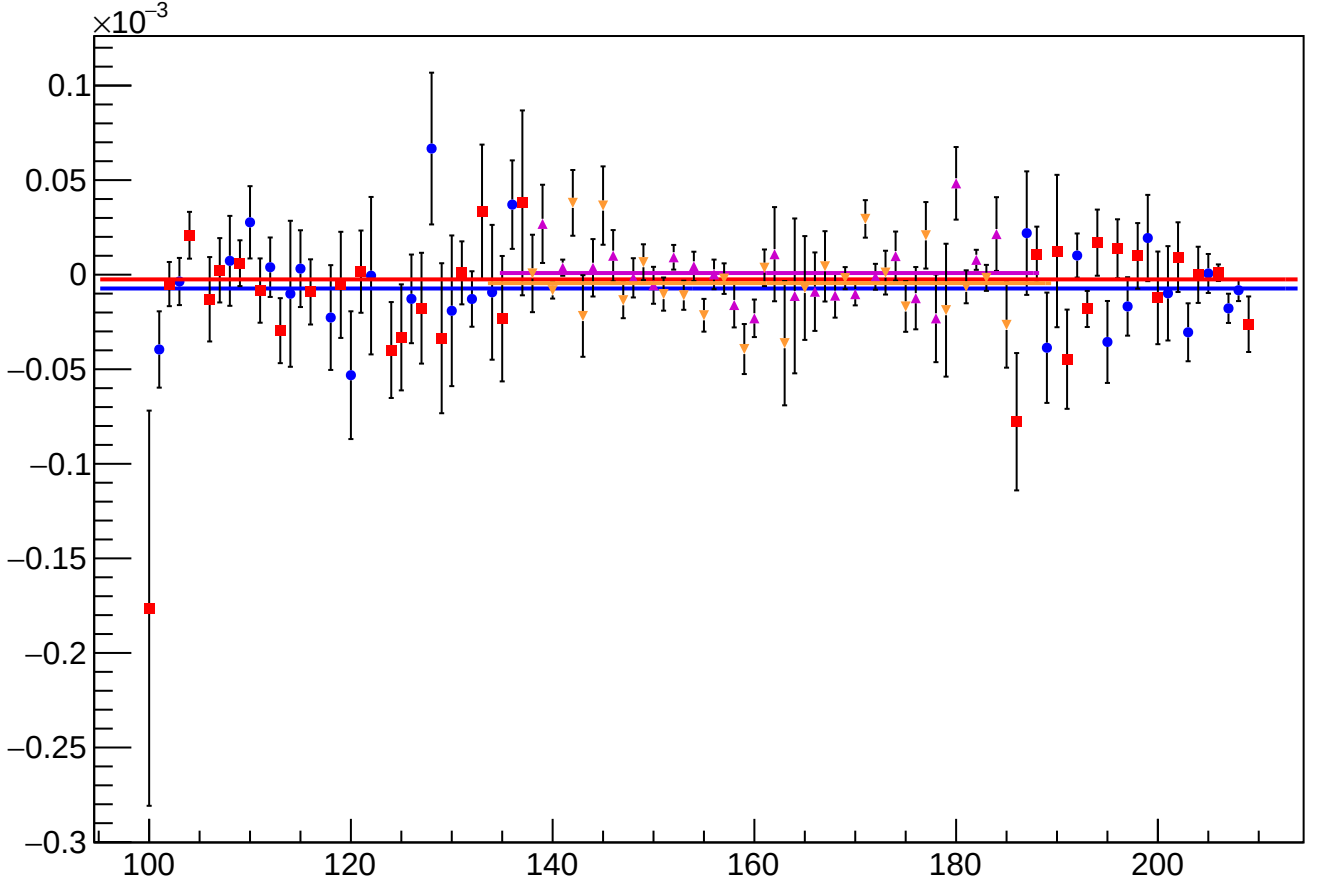
Right Out: 174.042+/-0.034 χ^2/NDF: 5365664.5/31

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 225.765+/-0.030 χ^2/NDF: 8364933.5/51

All: 217.192+/-0.020 χ^2/NDF: 19076131.2/10

- sign 209.536+/-0.028 χ^2/NDF: 10553302.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/31

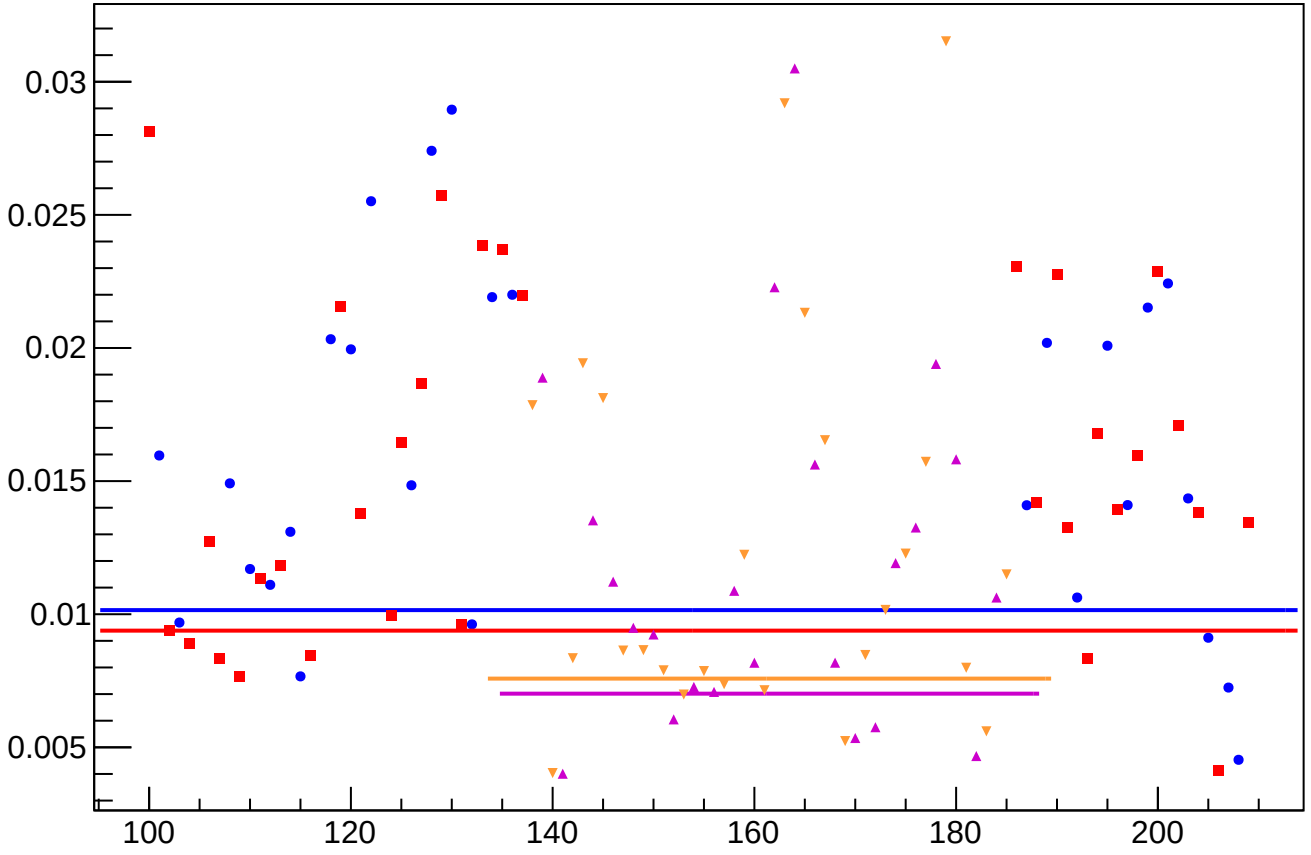
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/51

All: -0.000+/-0.000 χ^2/NDF: 142.2/106

- sign -0.000+/-0.000 χ^2/NDF: 63.6/54

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 6832203.0/26

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

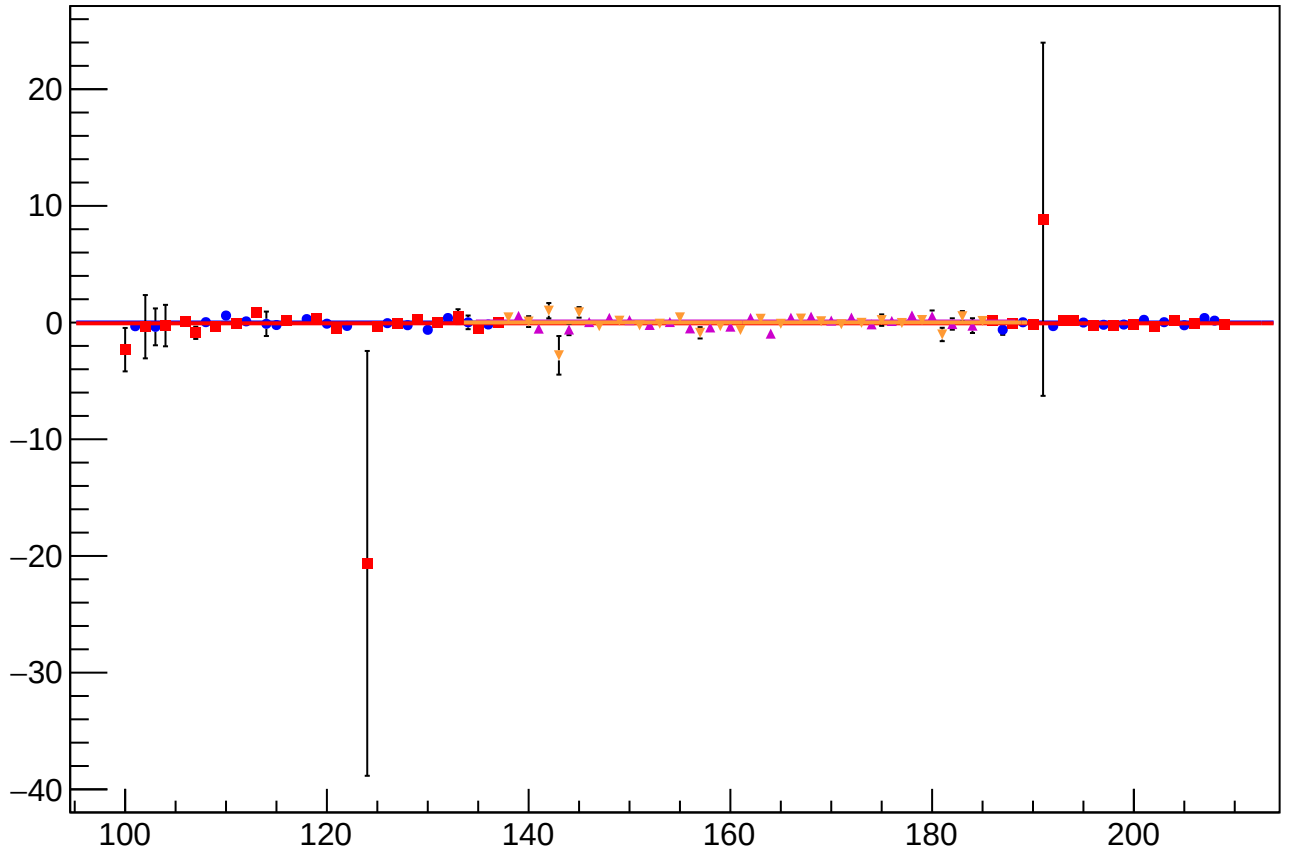
Right Out: 0.009+/-0.000 χ^2/NDF: 7938553.8/31

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 15228639.5/51

All: 0.008+/-0.000 χ^2/NDF: 31085651.5/106

- sign 0.008+/-0.000 χ^2/NDF: 15743474.8/54



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.064+/-0.048 χ^2/NDF: 30.2/31

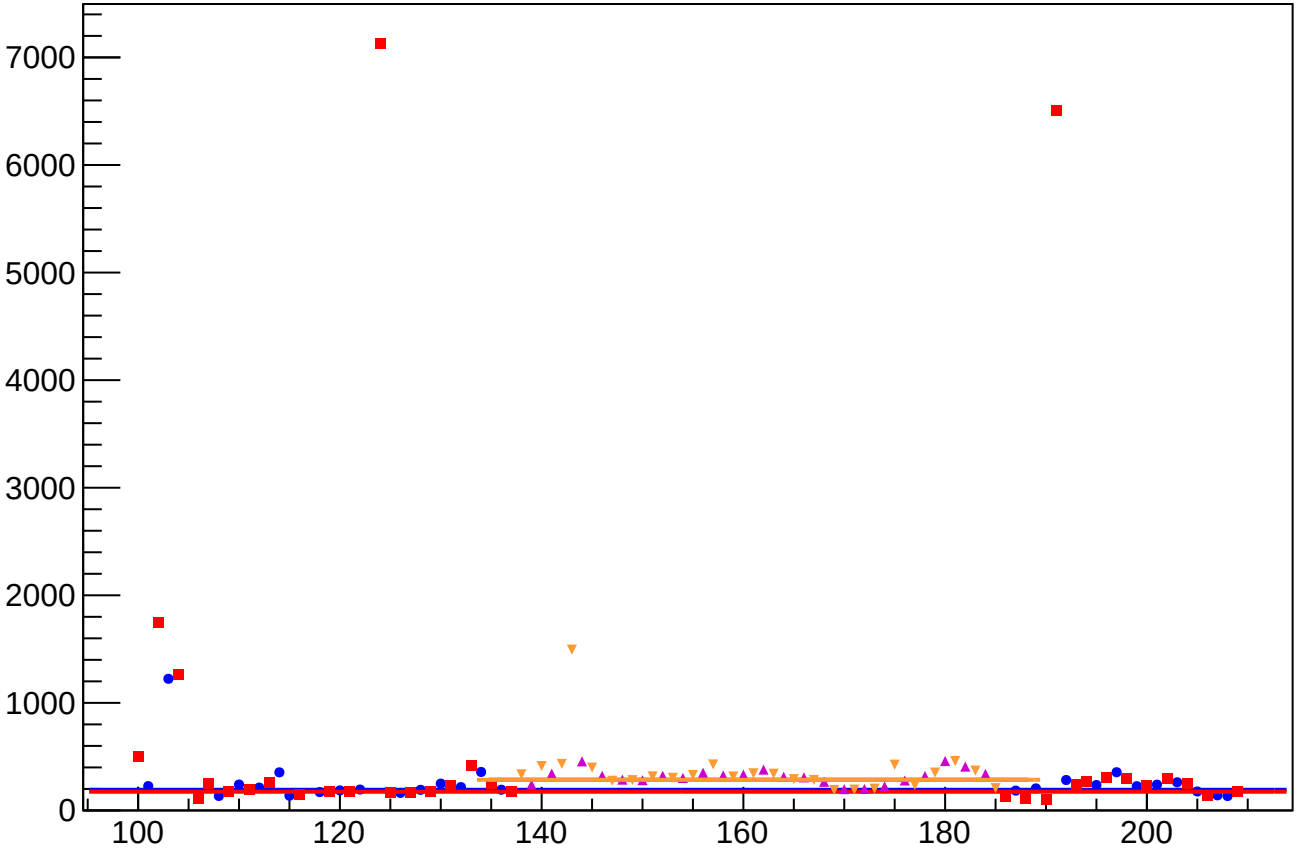
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: -0.003+/-0.029 χ^2/NDF: 117.5/106

- sign -0.015+/-0.040 χ^2/NDF: 64.4/54

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

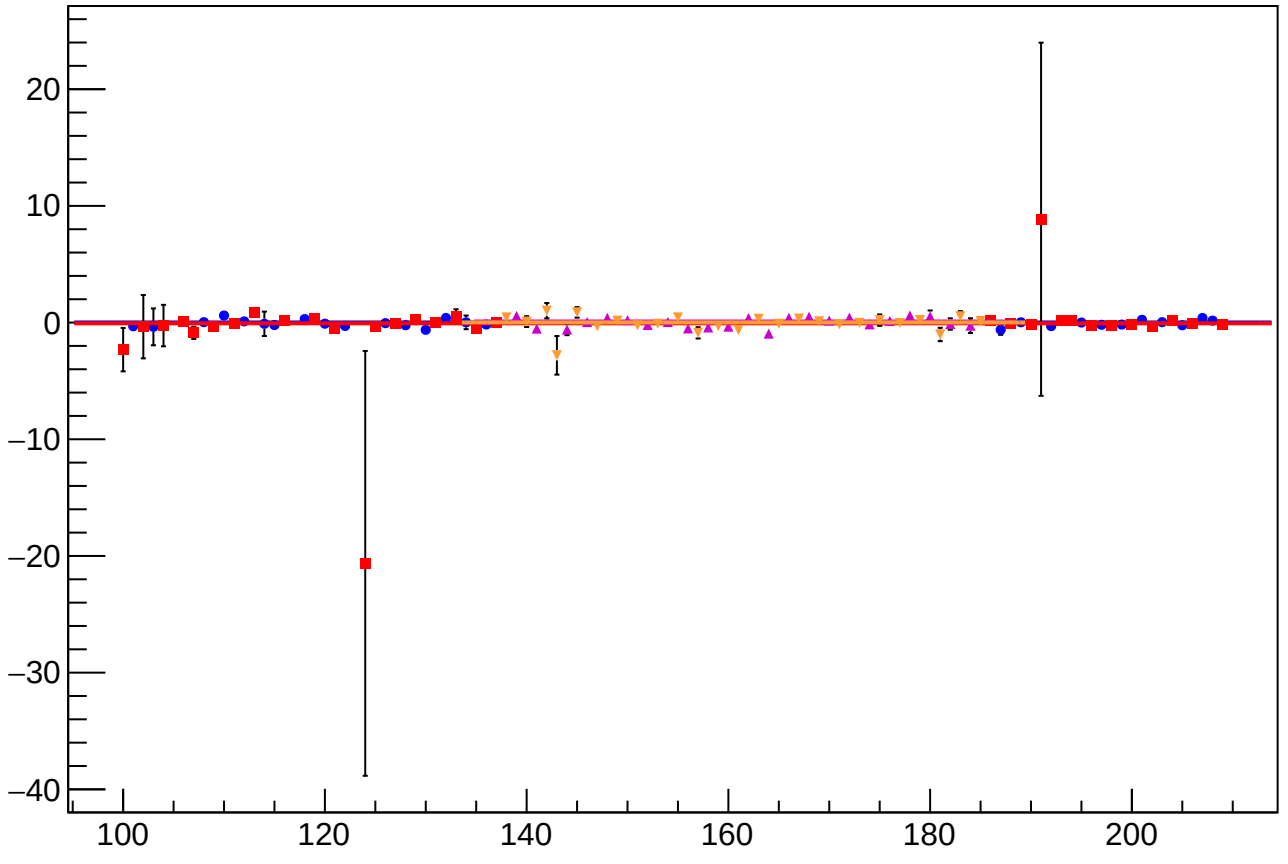
Right Out: 174.040+/-0.034 χ^2/NDF: 5365823.3/31

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 225.765+/-0.030 χ^2/NDF: 8365144.0/51

All: 217.191+/-0.020 χ^2/NDF: 19076830.0/10

- sign 209.534+/-0.028 χ^2/NDF: 10553766.4/54



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

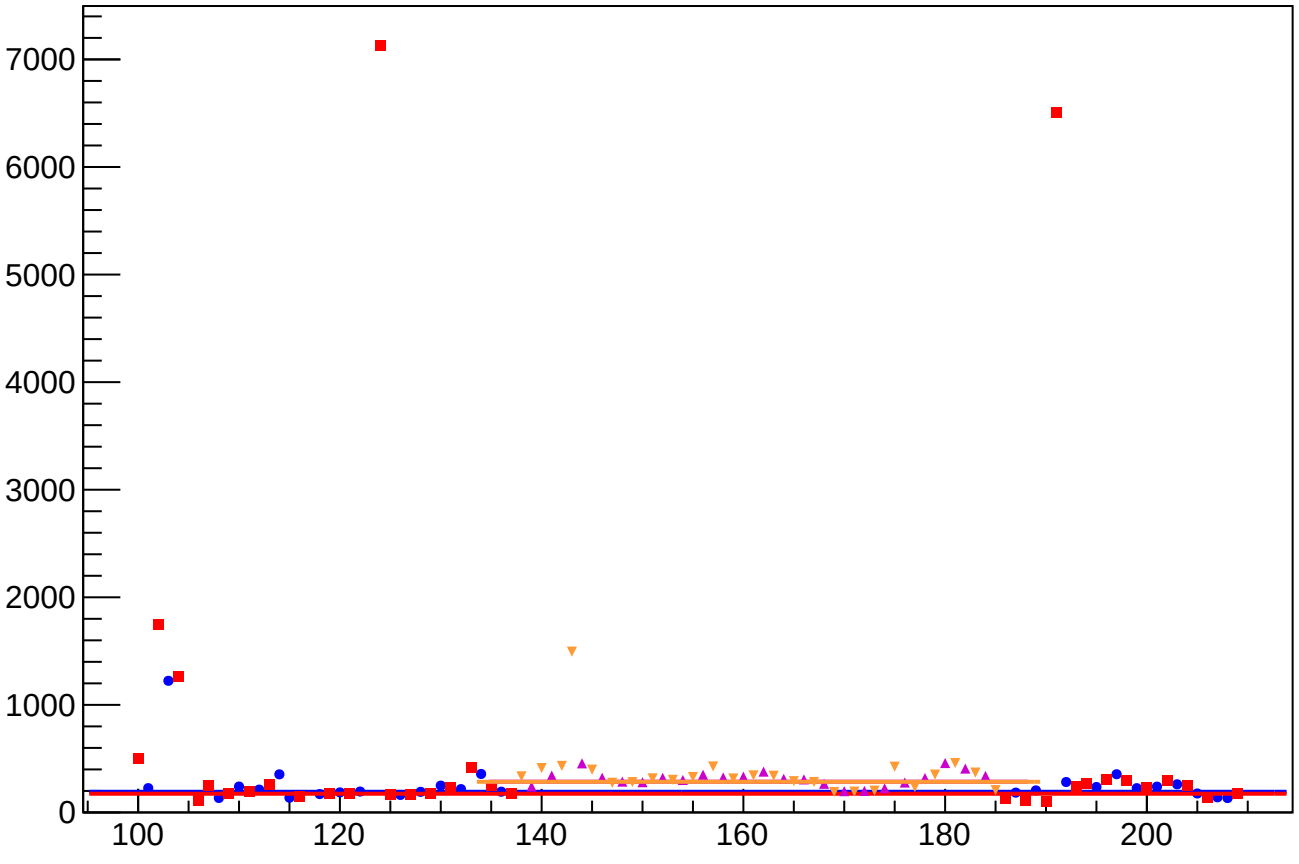
Right Out: -0.064+/-0.048 χ^2/NDF: 30.2/31

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.011+/-0.042 χ^2/NDF: 53.0/51

All: -0.003+/-0.029 χ^2/NDF: 117.5/106

- sign -0.015+/-0.040 χ^2/NDF: 64.4/54



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

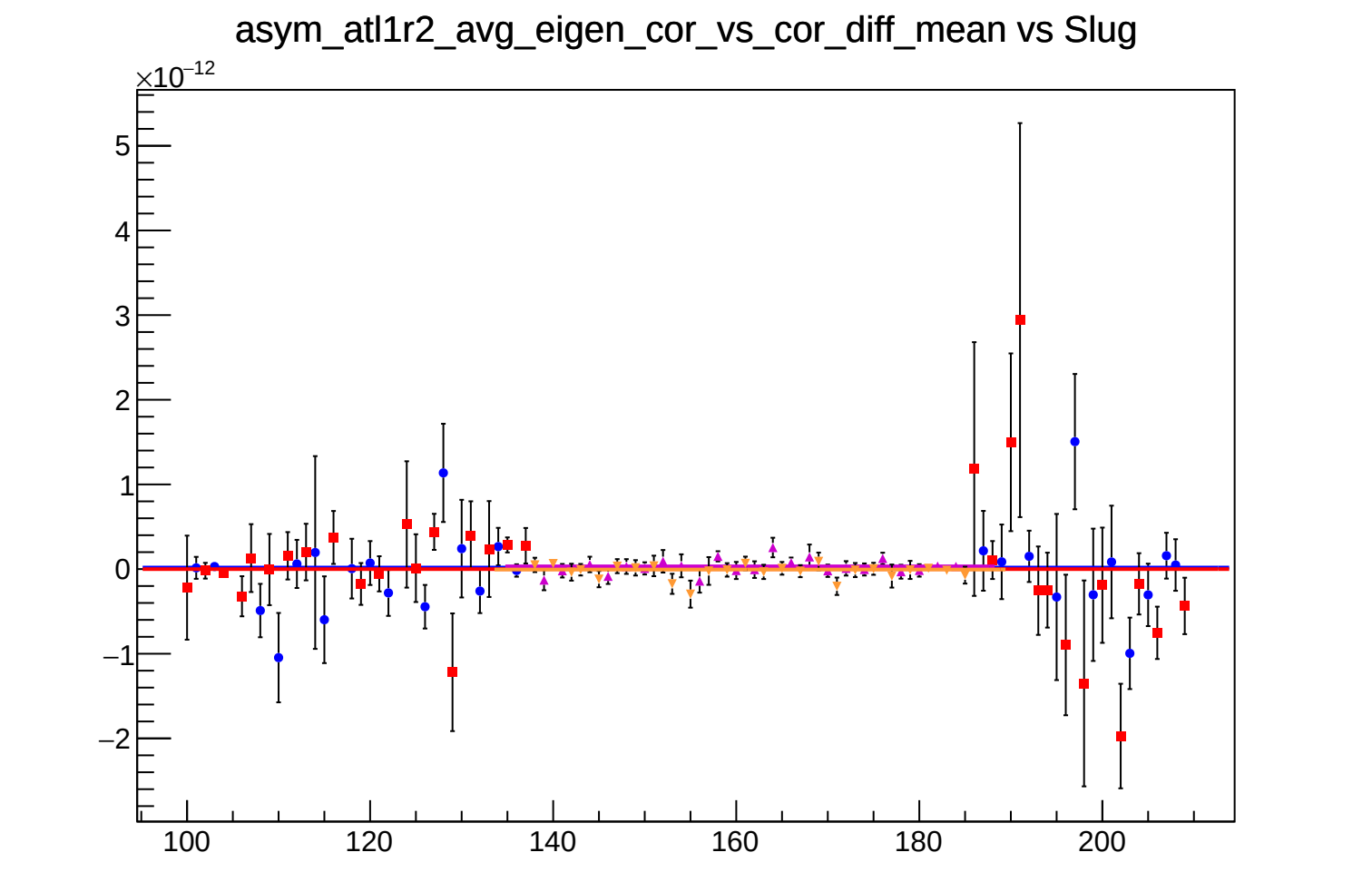
Right Out: 174.040+/-0.034 χ^2/NDF: 5365823.3/31

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 225.765+/-0.030 χ^2/NDF: 8365144.0/51

All: 217.191+/-0.020 χ^2/NDF: 19076830.0/10

- sign 209.534+/-0.028 χ^2/NDF: 10553766.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.0/31

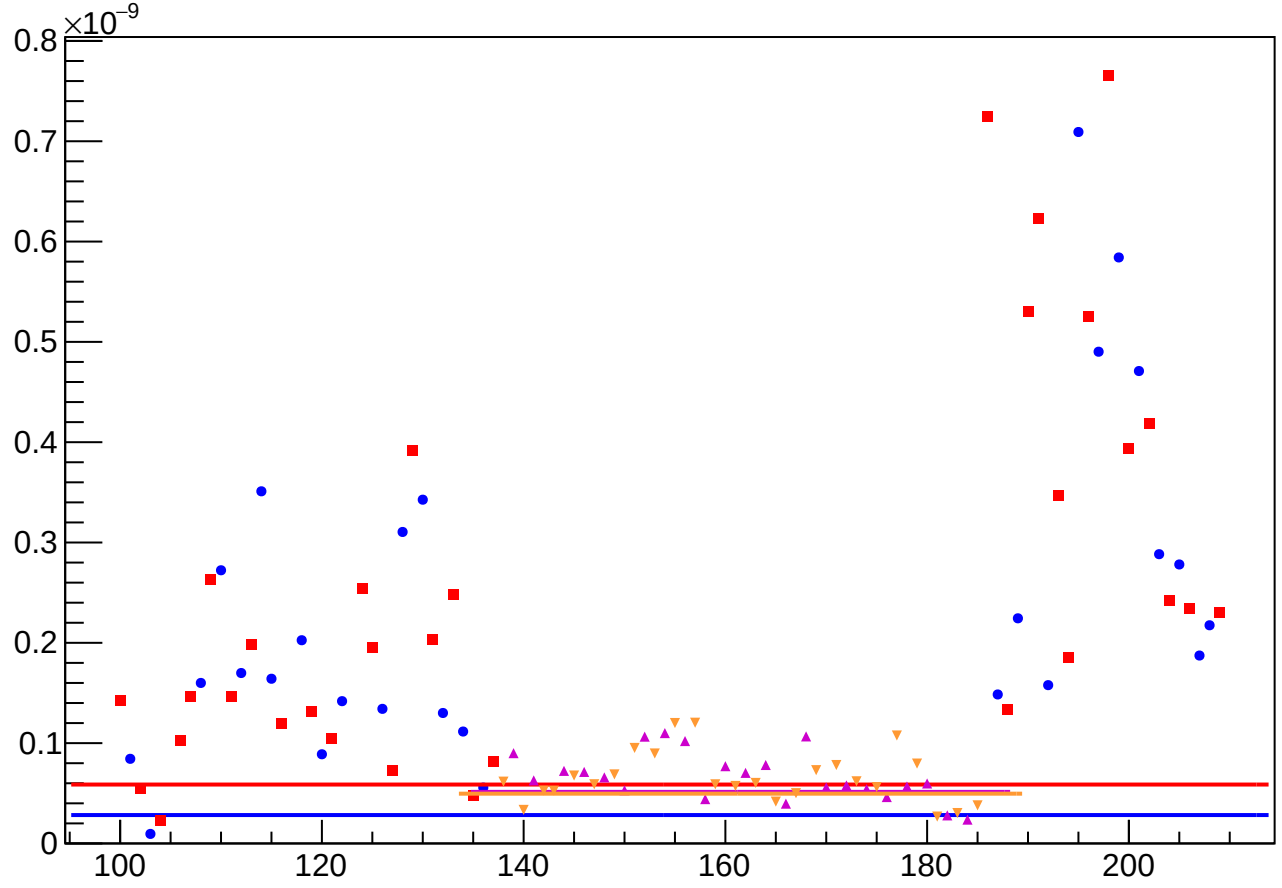
Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/51

All: 0.000+/-0.000 χ^2/NDF: 121.9/106

- sign 0.000+/-0.000 χ^2/NDF: 72.7/54

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14131287.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10570187.6/31

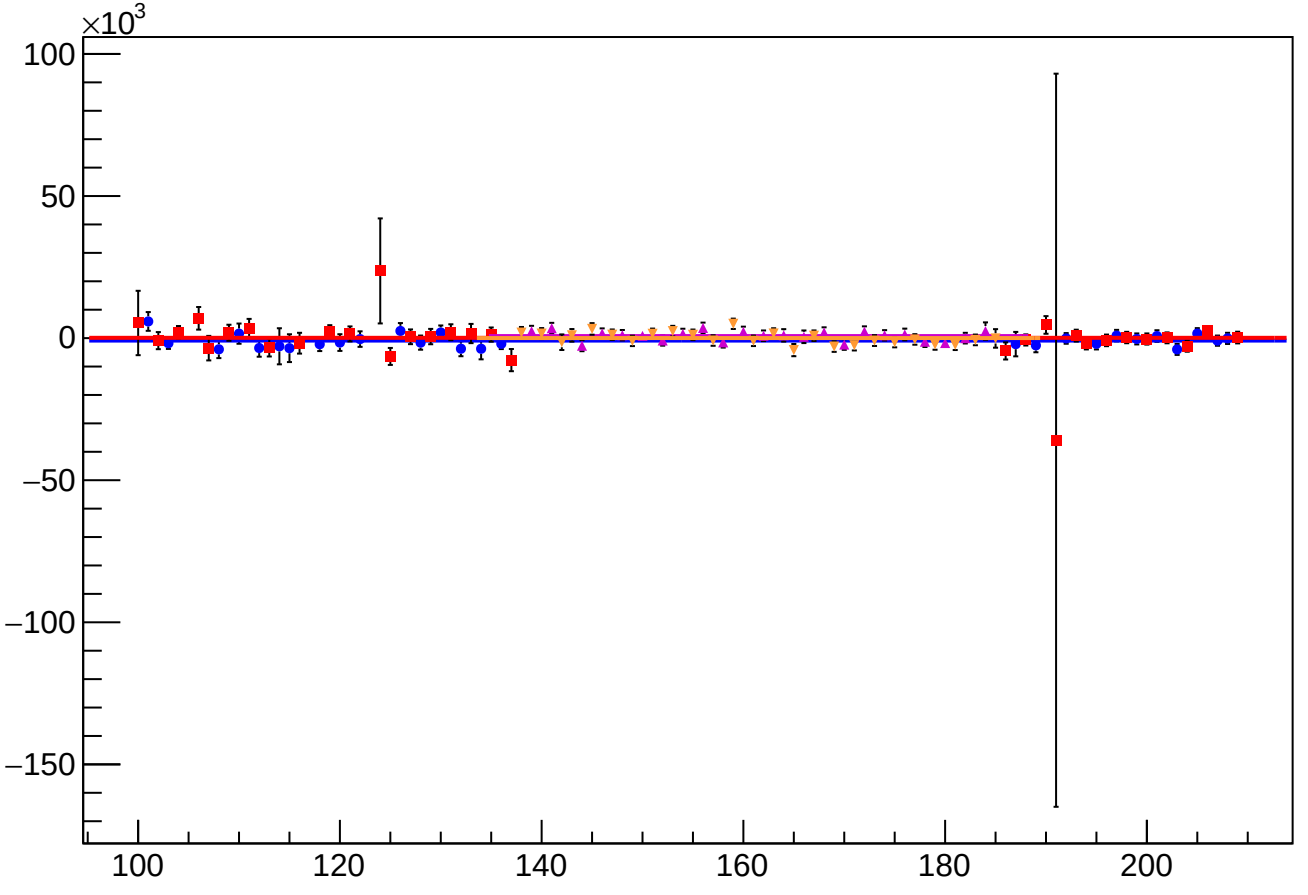
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19434062.7/51

All: 0.000+/-0.000 χ^2/NDF: 34451167.9/106

- sign 0.000+/-0.000 χ^2/NDF: 14321654.1/54

reg_asym_atl1r2_dd_mean vs Slug



Right In: -861.091+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 108.391+/-454.160 χ^2/NDF: 31.5/31

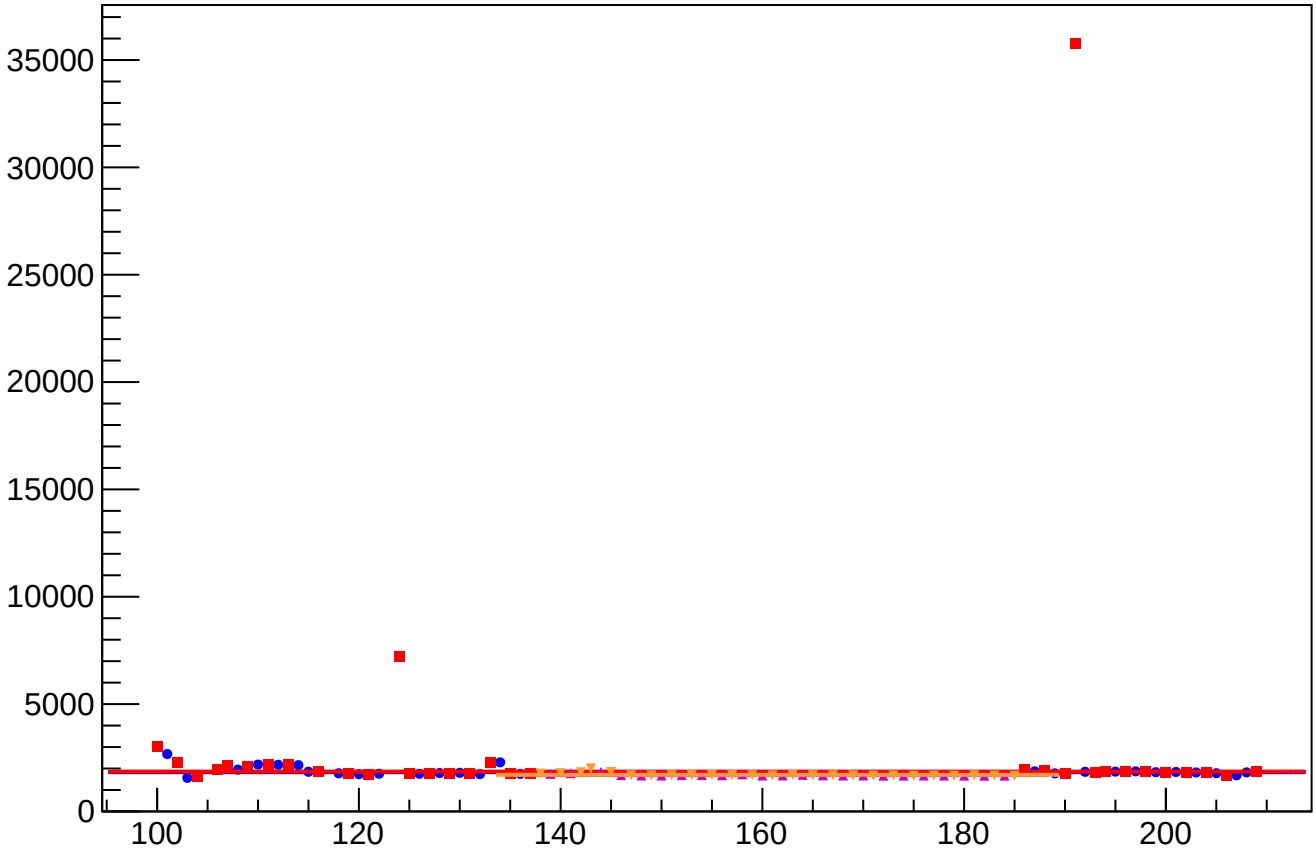
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -342.838+/-296.843 χ^2/NDF: 50.9/51

All: 53.749+/-210.541 χ^2/NDF: 106.1/106

- sign 455.219+/-298.665 χ^2/NDF: 51.6/54

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF: 278932.6/26

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

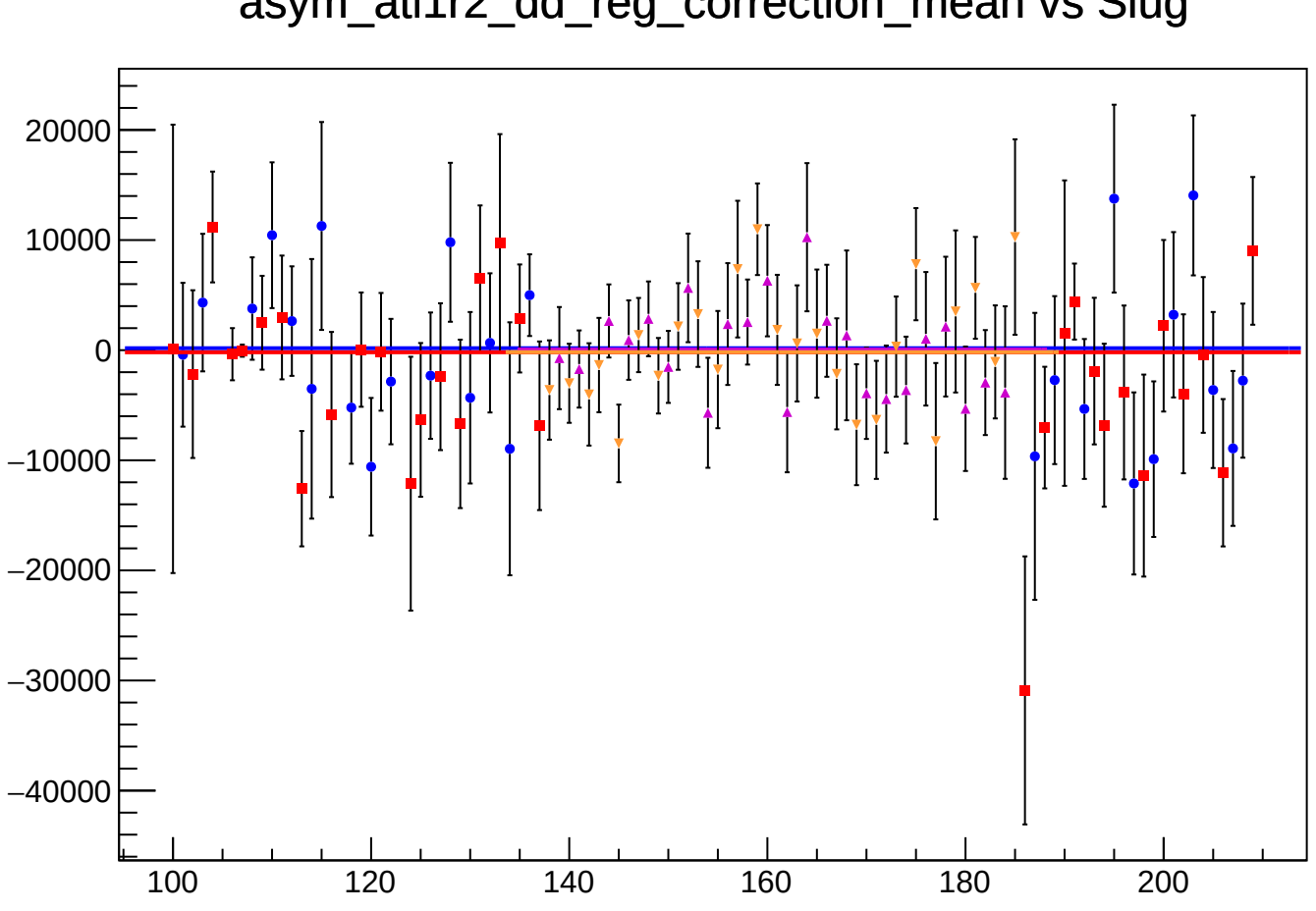
Right Out: 1856.666+/-0.321 χ^2/NDF: 535819.1/31

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF: 422533.5/51

All: 1761.508+/-0.149 χ^2/NDF: 1120116.0/10

- sign 1766.417+/-0.211 χ^2/NDF: 696507.3/54



Right In: 177.948+/-1253.250 χ^2/NDF: 28.4/26

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -191.408+/-487.481 χ^2/NDF: 35.2/31

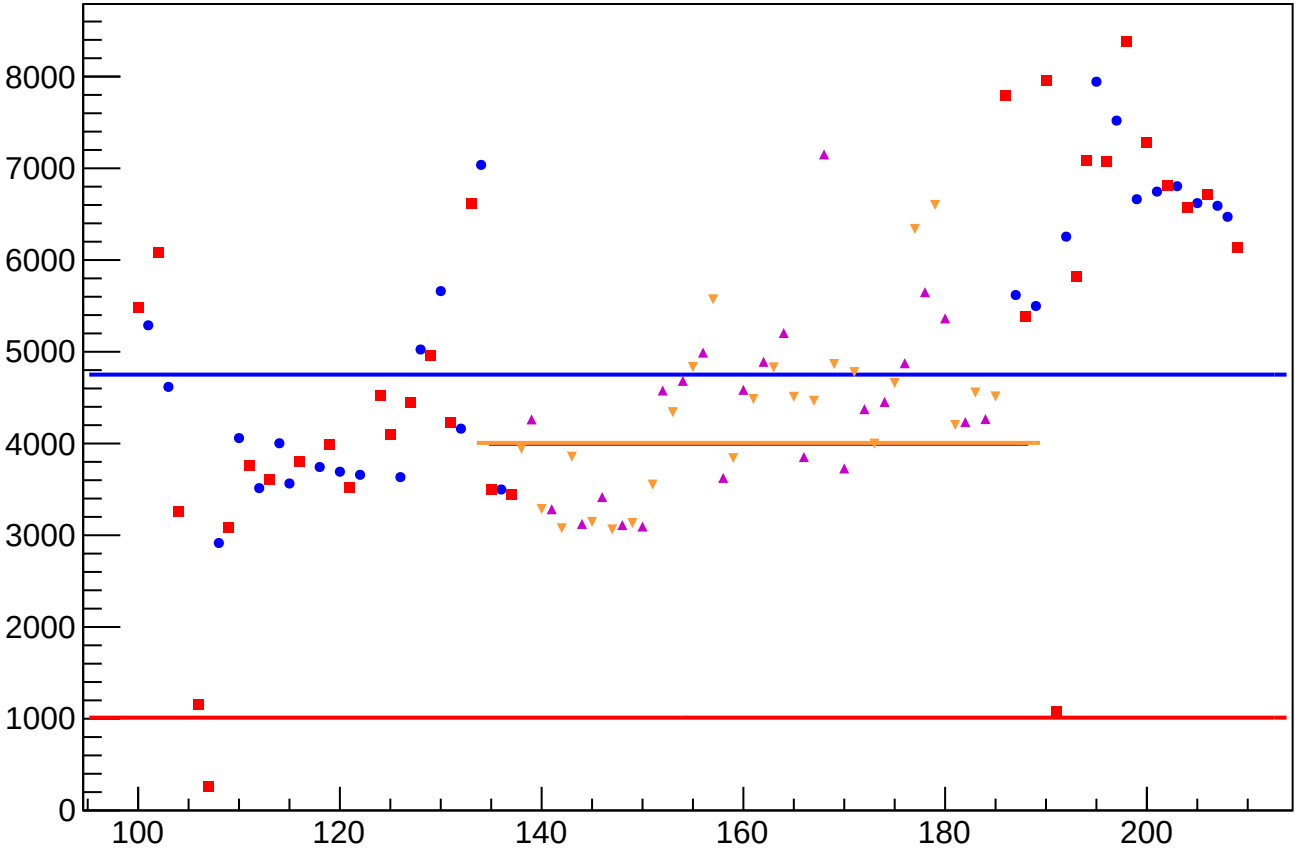
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -49.269+/-749.487 χ^2/NDF: 56.4/51

All: -117.411+/-375.781 χ^2/NDF: 105.9/106

- sign -140.293+/-434.316 χ^2/NDF: 49.5/54

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4751.036+/-0.886 χ^2/NDF: 2639991.2/26

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1011.764+/-0.345 χ^2/NDF: 25041544.9/31

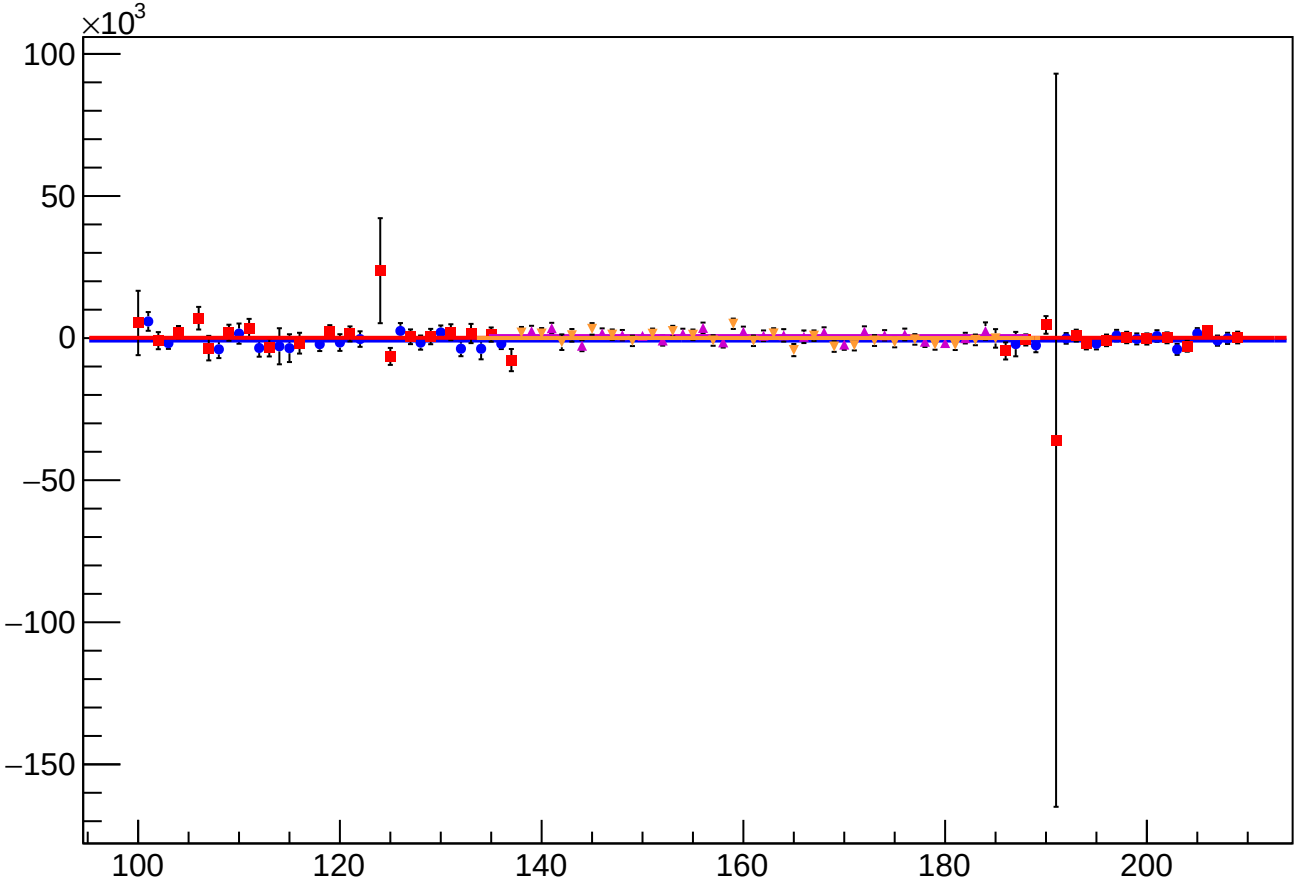
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4273.100+/-0.530 χ^2/NDF: 4596481.8/51

All: 2292.177+/-0.266 χ^2/NDF: 65285376.4/1

- sign 1626.979+/-0.307 χ^2/NDF: 42026013.0/54

cor_asym_atl1r2_dd_mean vs Slug



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 108.539+/-454.160 χ^2/NDF: 31.5/31

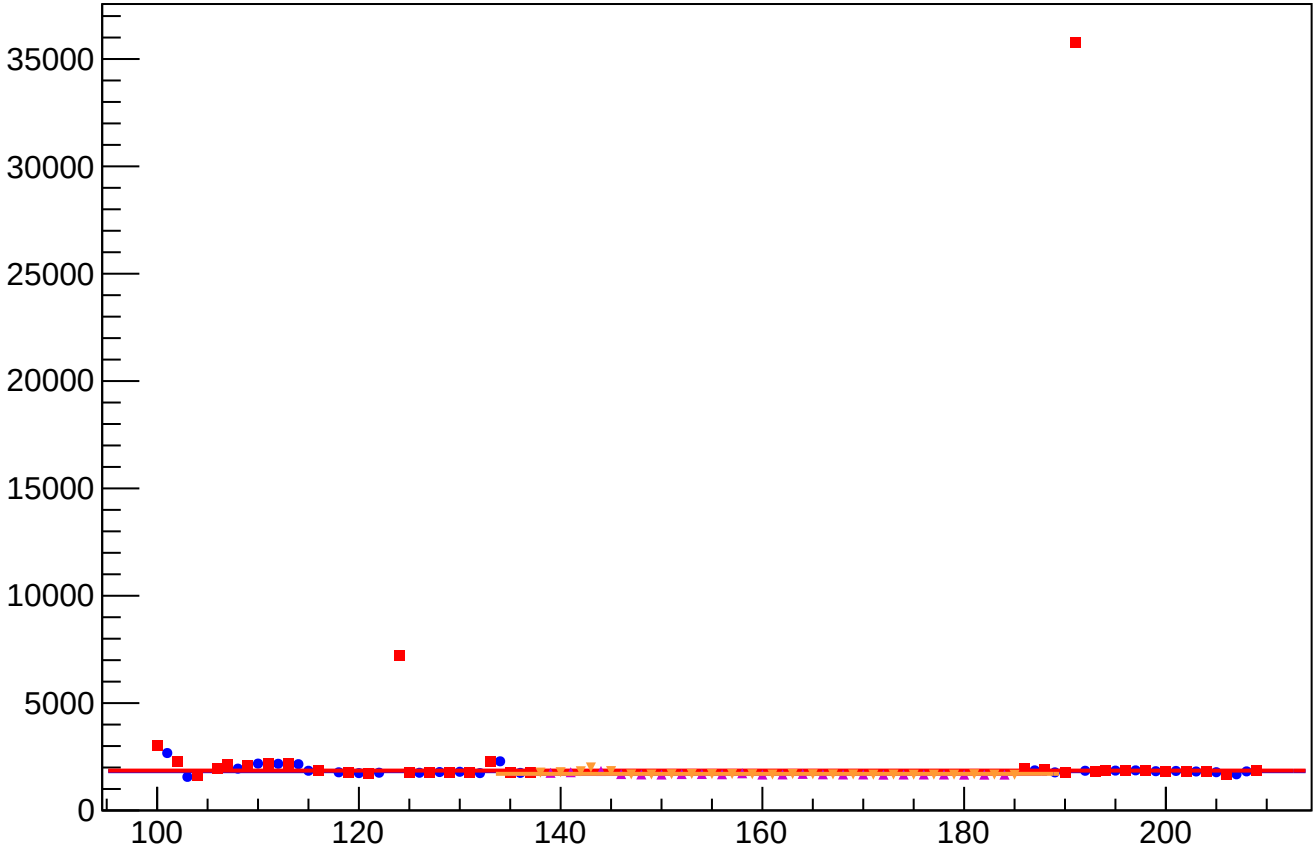
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -342.721+/-296.843 χ^2/NDF: 50.9/51

All: 53.805+/-210.541 χ^2/NDF: 106.2/106

- sign 455.214+/-298.665 χ^2/NDF: 51.6/54

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.850+/-0.321 χ^2/NDF: 536158.7/31

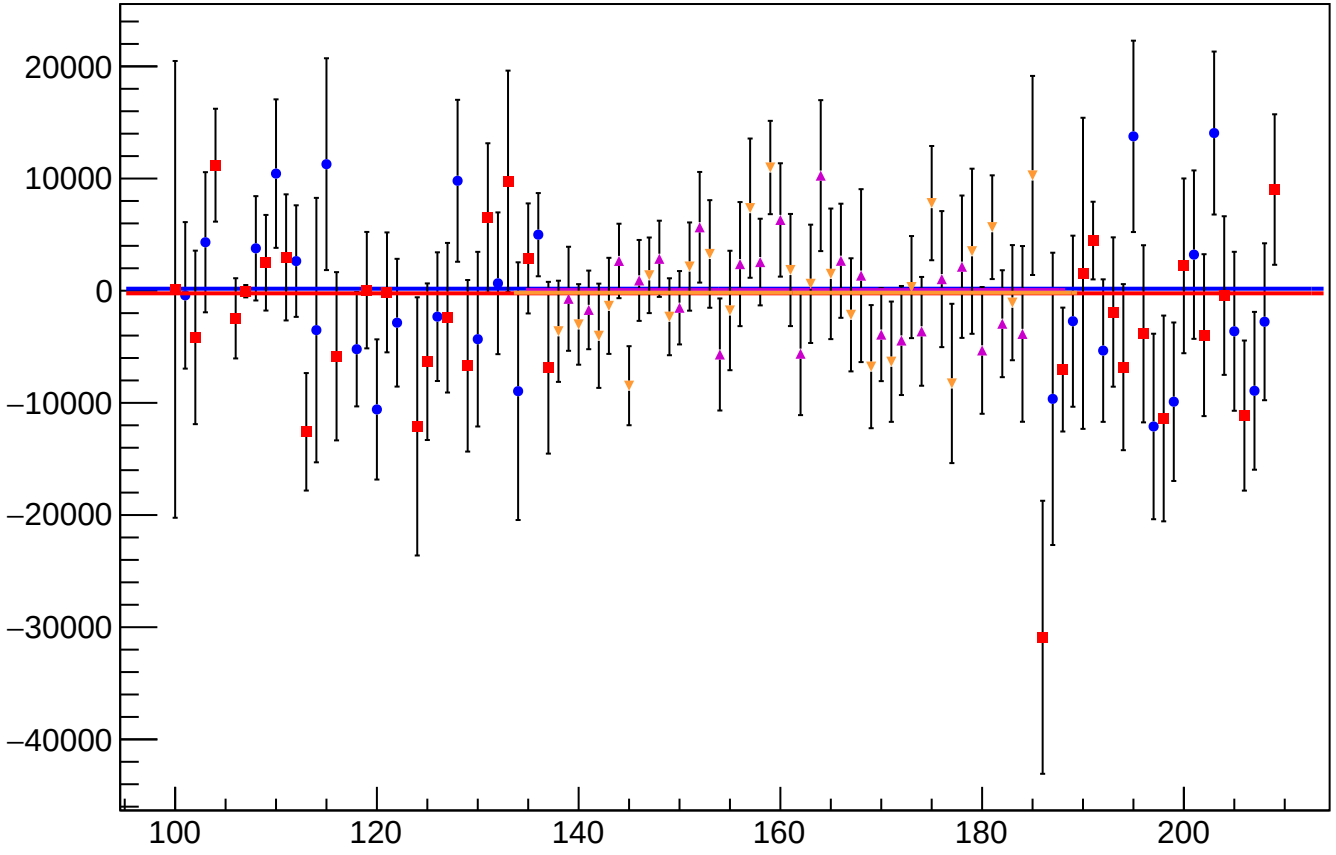
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF: 422532.9/51

All: 1761.544+/-0.149 χ^2/NDF: 1120778.8/10

- sign 1766.489+/-0.211 χ^2/NDF: 697154.7/54

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -233.836+/-493.412 χ^2/NDF: 35.8/31

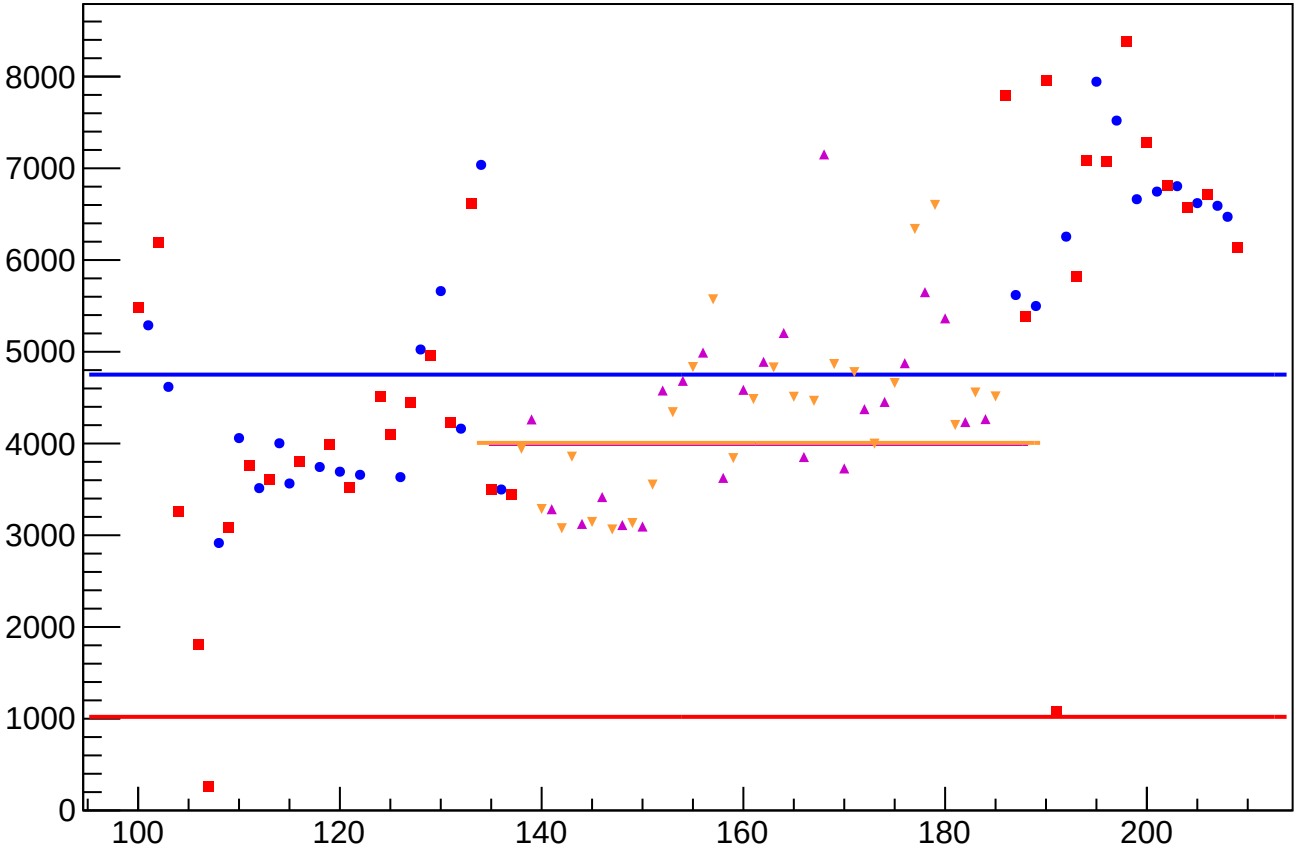
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -49.273+/-749.488 χ^2/NDF: 56.4/51

All: -141.322+/-378.478 χ^2/NDF: 106.5/106

- sign -172.829+/-438.495 χ^2/NDF: 50.2/54

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1020.476+/-0.349 χ^2/NDF: 25144895.8/31

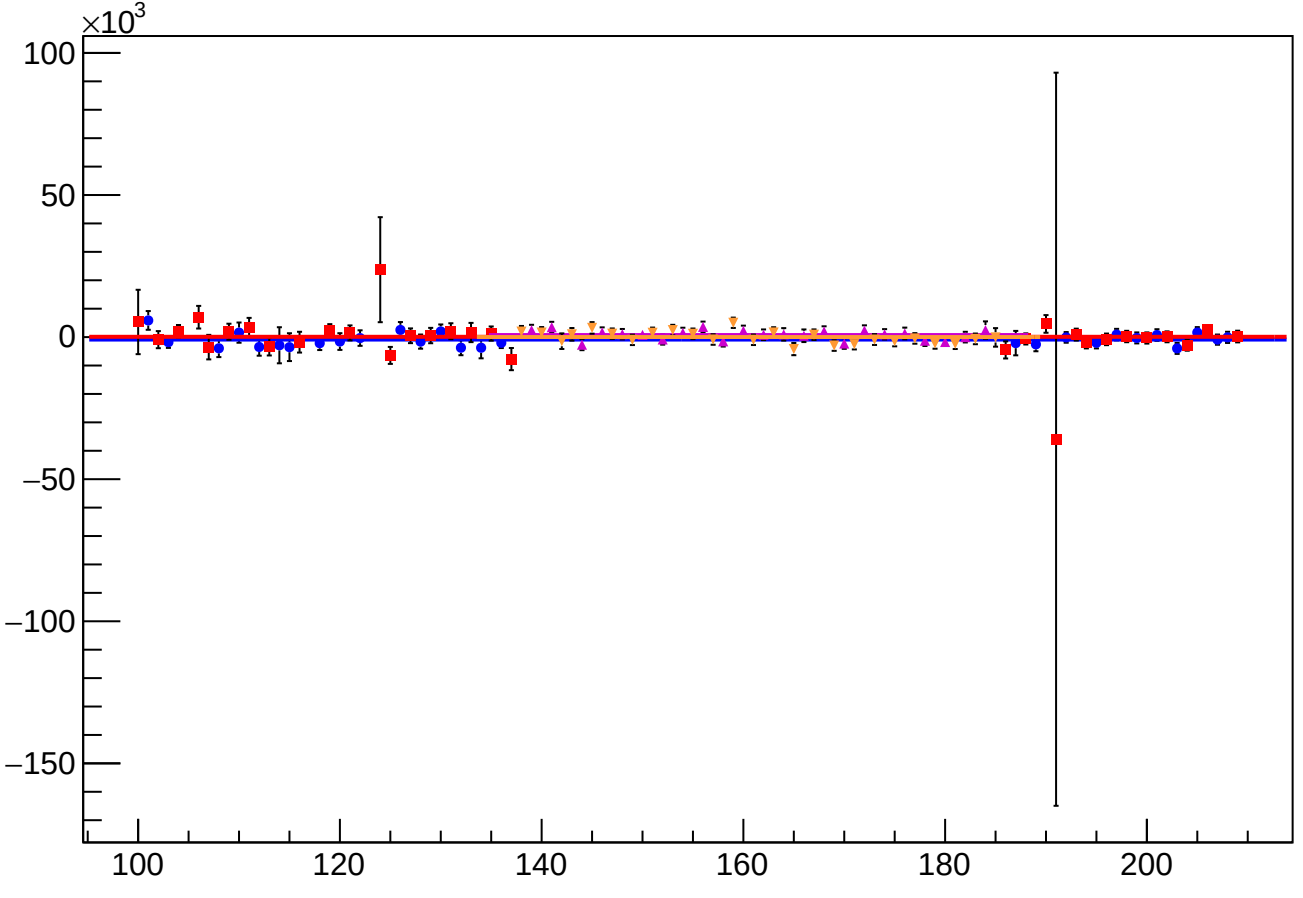
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4273.098+/-0.530 χ^2/NDF: 4596534.2/51

All: 2315.746+/-0.268 χ^2/NDF: 64868585.5/1

- sign 1645.755+/-0.310 χ^2/NDF: 41962116.2/54

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 108.539+/-454.160 χ^2/NDF: 31.5/31

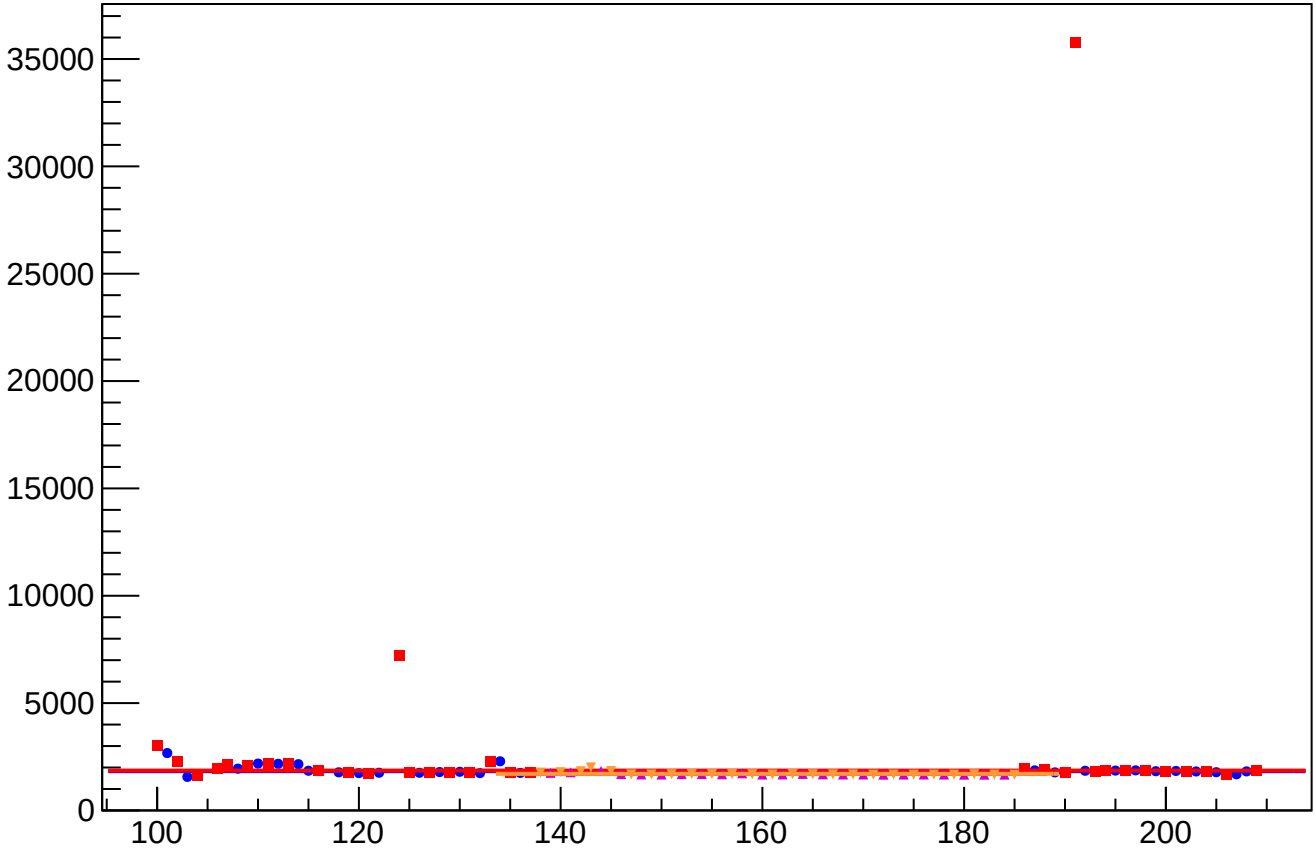
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -342.721+/-296.843 χ^2/NDF: 50.9/51

All: 53.805+/-210.541 χ^2/NDF: 106.2/106

- sign 455.214+/-298.665 χ^2/NDF: 51.6/54

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

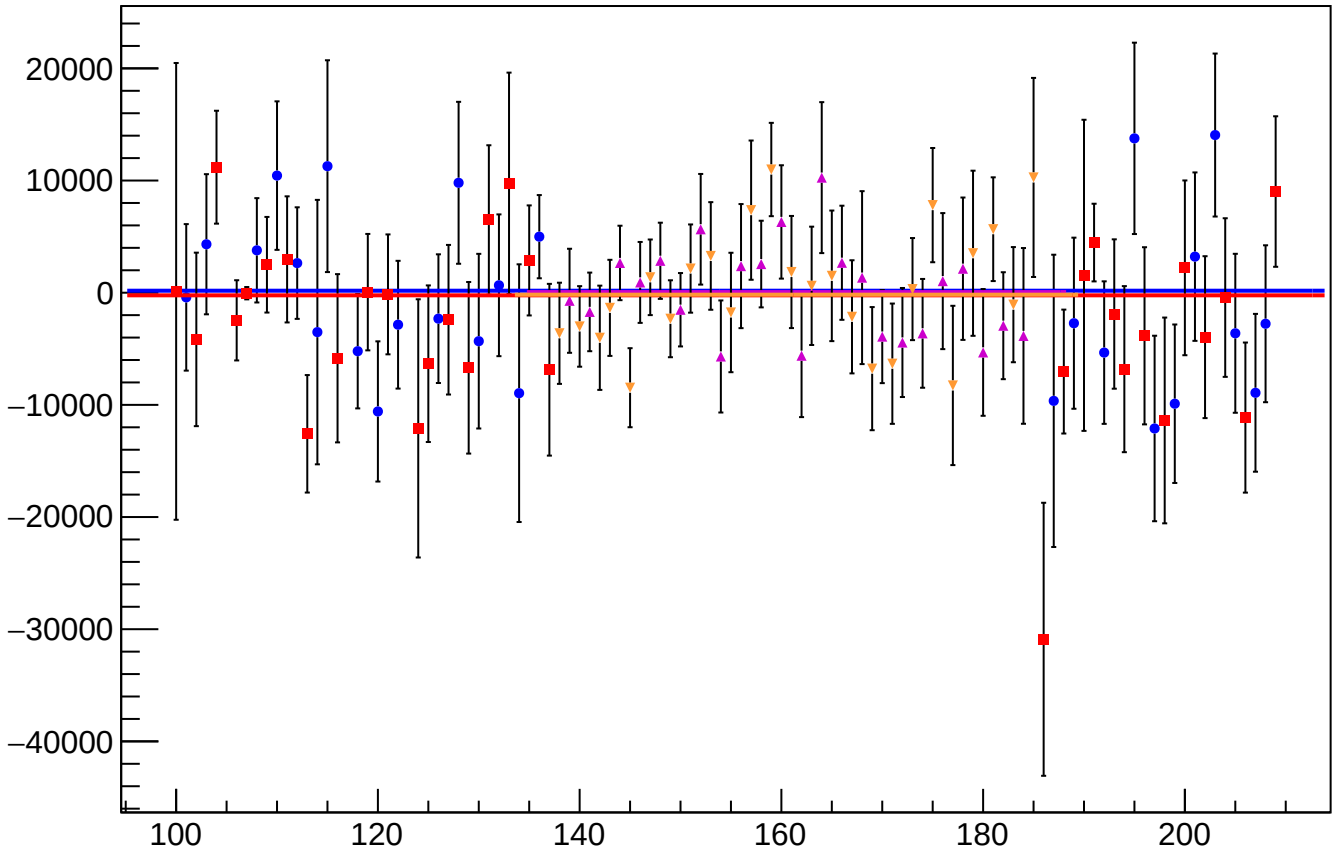
Right Out: 1856.850+/-0.321 χ^2/NDF: 536158.7/31

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1756.655+/-0.210 χ^2/NDF: 422532.9/51

All: 1761.544+/-0.149 χ^2/NDF: 1120778.8/10

- sign 1766.489+/-0.211 χ^2/NDF: 697154.7/54



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -233.836+/-493.412 χ^2/NDF: 35.8/31

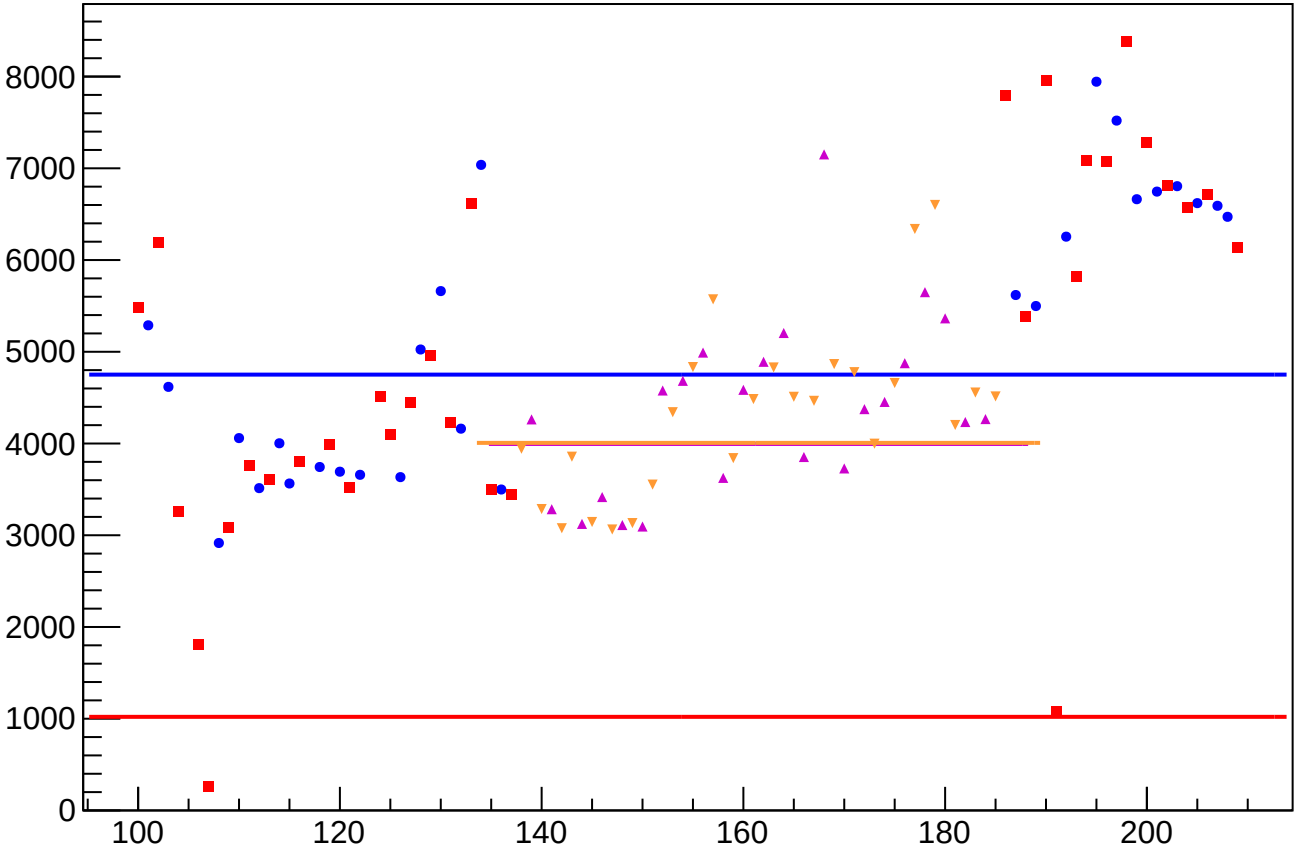
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -49.273+/-749.488 χ^2/NDF: 56.4/51

All: -141.322+/-378.478 χ^2/NDF: 106.5/106

- sign -172.829+/-438.495 χ^2/NDF: 50.2/54

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1020.476+/-0.349 χ^2/NDF: 25144895.8/31

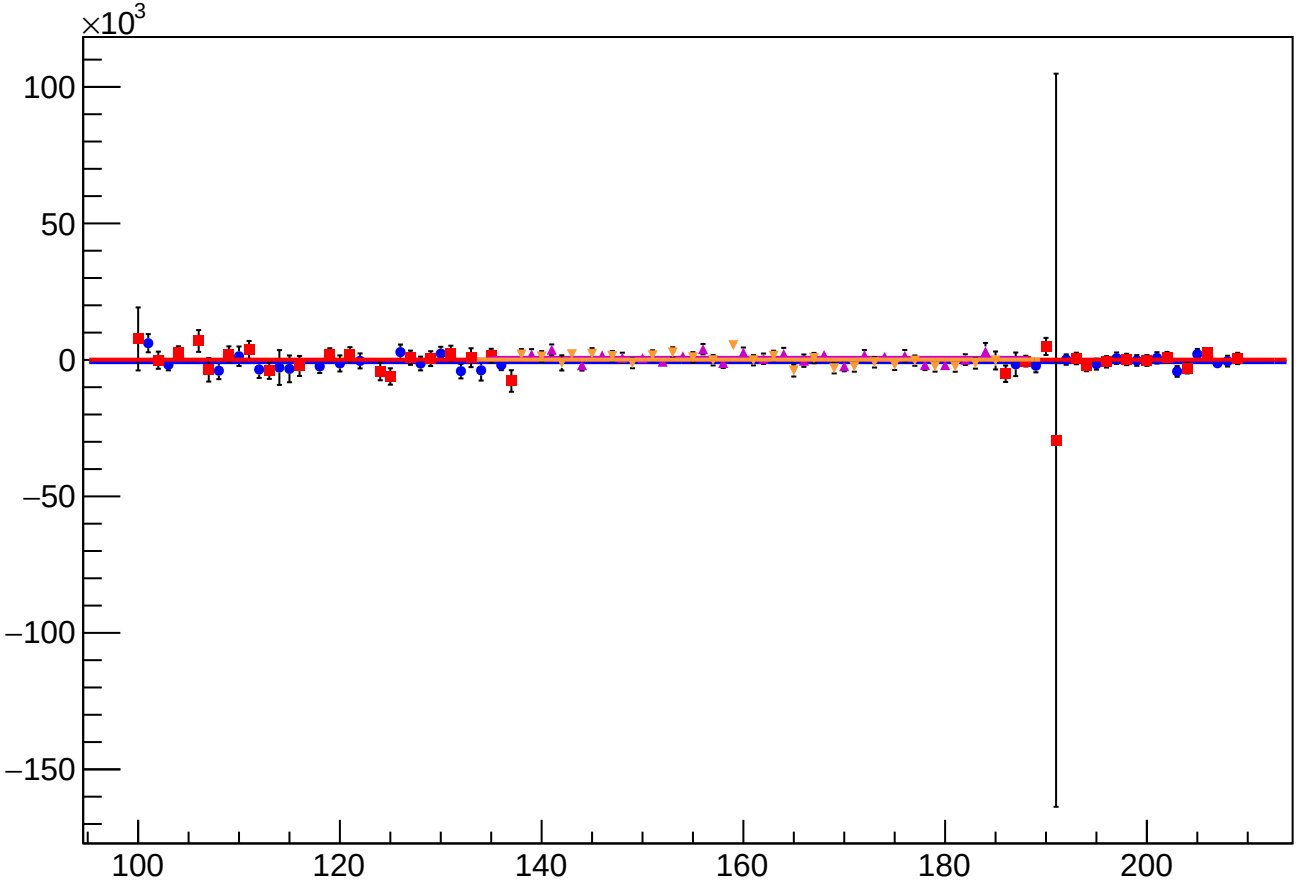
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4273.098+/-0.530 χ^2/NDF: 4596534.2/51

All: 2315.746+/-0.268 χ^2/NDF: 64868585.5/1

- sign 1645.755+/-0.310 χ^2/NDF: 41962116.2/54

dit_asym_atl1r2_dd_mean vs Slug



Right In: -822.330+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 88.336+/-455.927 χ^2/NDF: 32.8/31

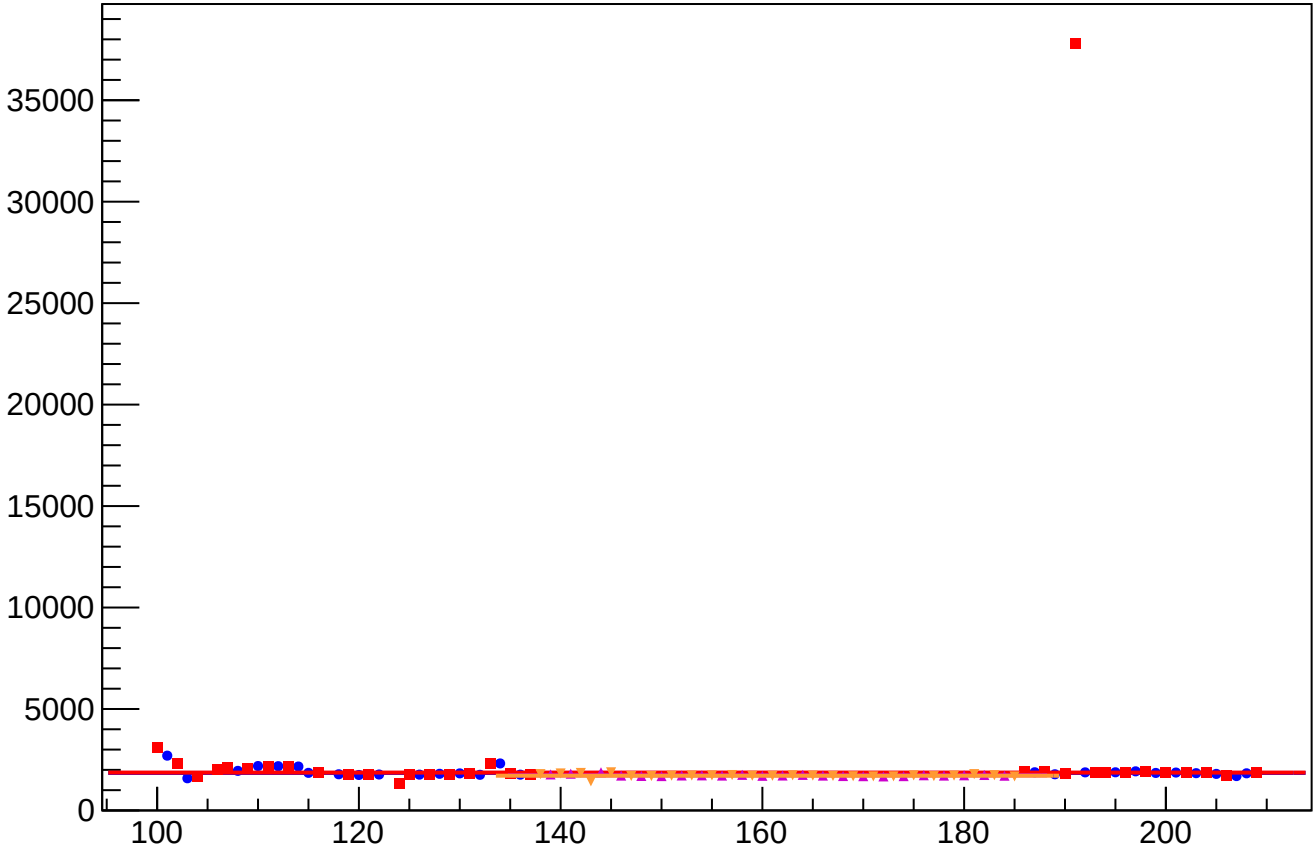
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -267.181+/-298.933 χ^2/NDF: 52.6/51

All: 89.164+/-212.606 χ^2/NDF: 108.4/106

- sign 453.914+/-302.438 χ^2/NDF: 52.9/54

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.2/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1865.749+/-0.322 χ^2/NDF: 430496.3/31

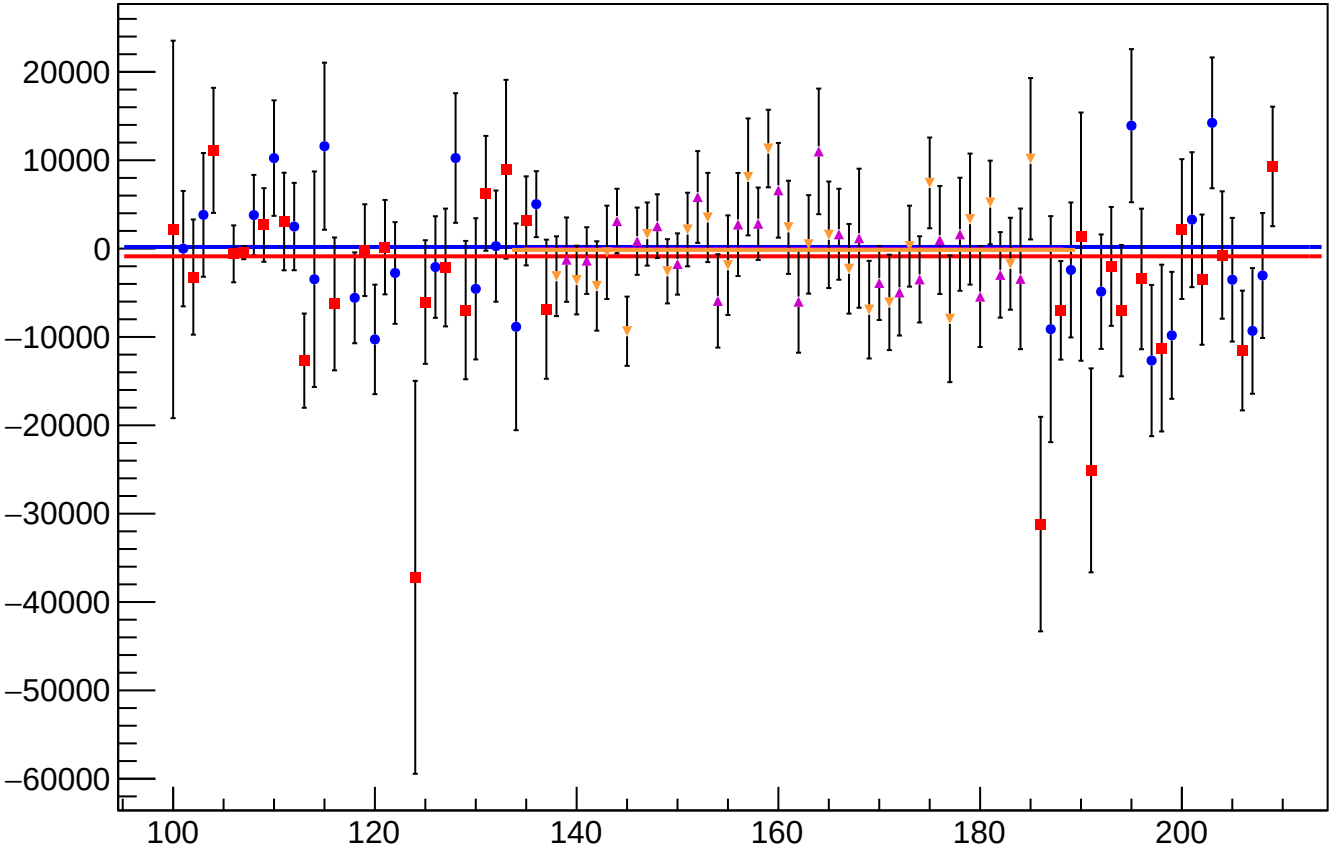
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.192+/-0.211 χ^2/NDF: 473687.7/51

All: 1778.945+/-0.150 χ^2/NDF: 1031318.5/10

- sign 1789.948+/-0.214 χ^2/NDF: 552394.8/54

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 184.241+/-1263.604 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -871.495+/-629.684 χ^2/NDF: 36.2/31

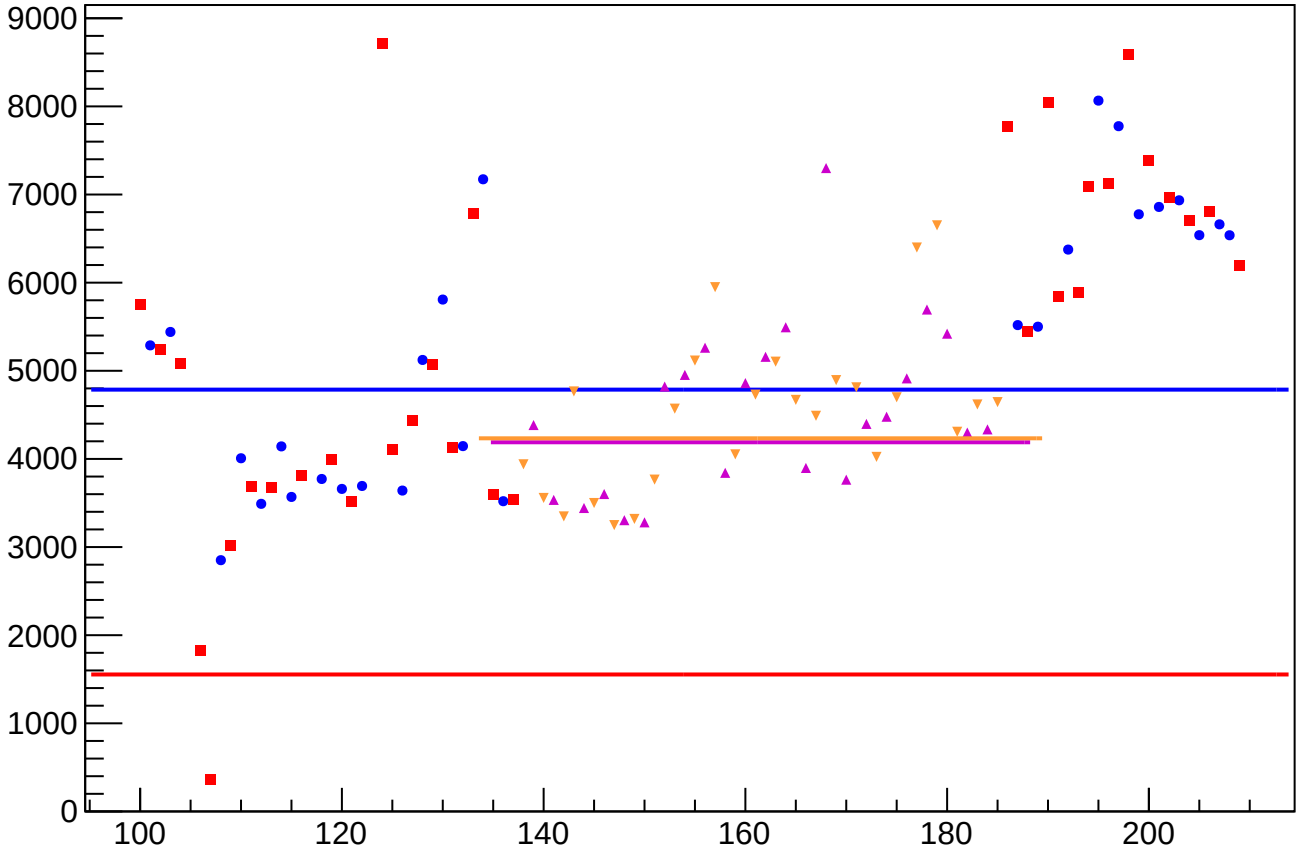
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -23.773+/-776.849 χ^2/NDF: 55.0/51

All: -444.598+/-439.423 χ^2/NDF: 106.1/106

- sign -642.594+/-532.862 χ^2/NDF: 50.6/54

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4786.221+/-0.894 χ^2/NDF: 2793236.3/26

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

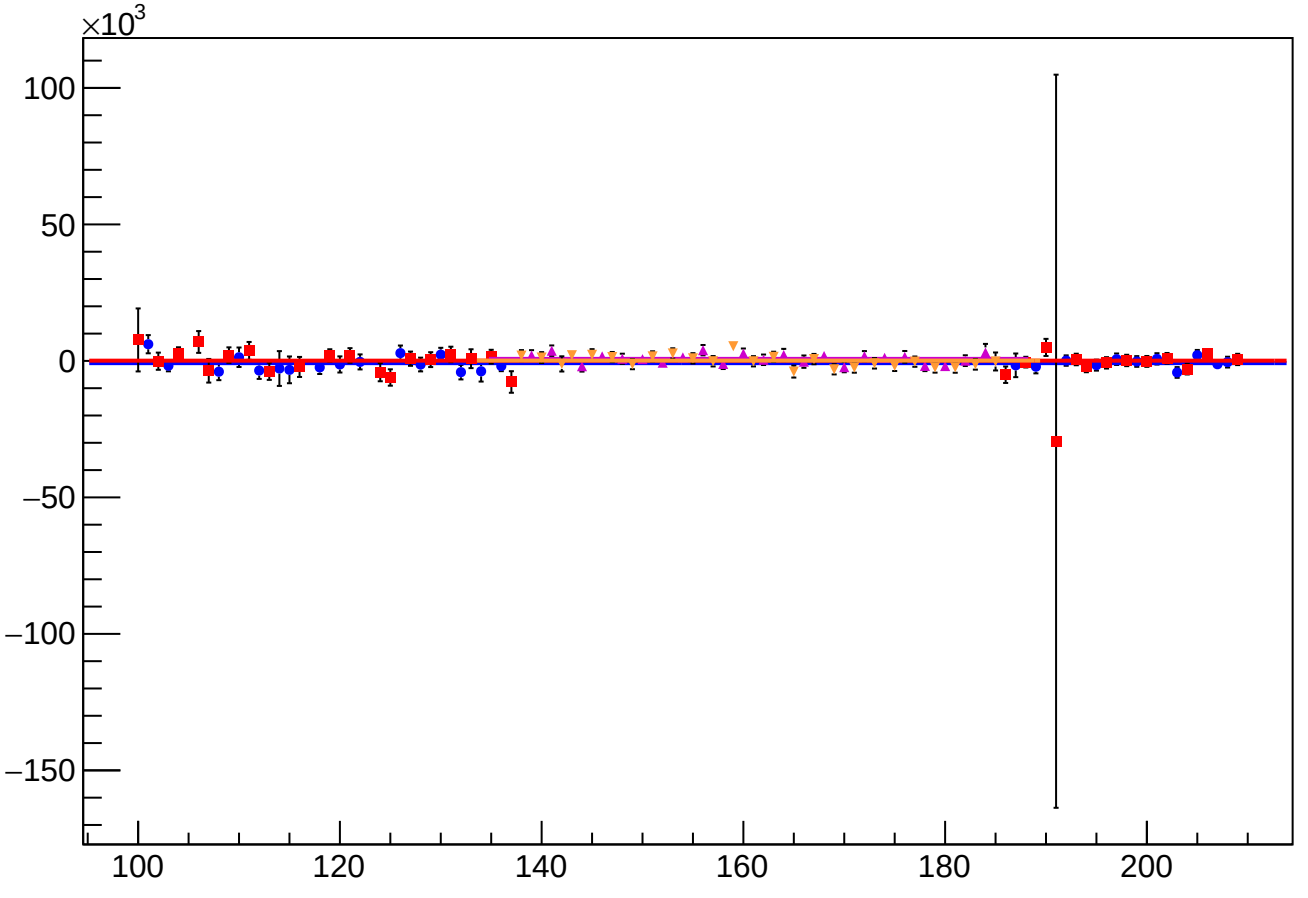
Right Out: 1554.173+/-0.445 χ^2/NDF: 22171357.4/31

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4442.661+/-0.549 χ^2/NDF: 4315702.6/51

All: 2987.000+/-0.311 χ^2/NDF: 48097851.2/1

- sign 2302.116+/-0.377 χ^2/NDF: 33455929.4/54



Right In: -822.331+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 88.336+/-455.927 χ^2/NDF: 32.8/31

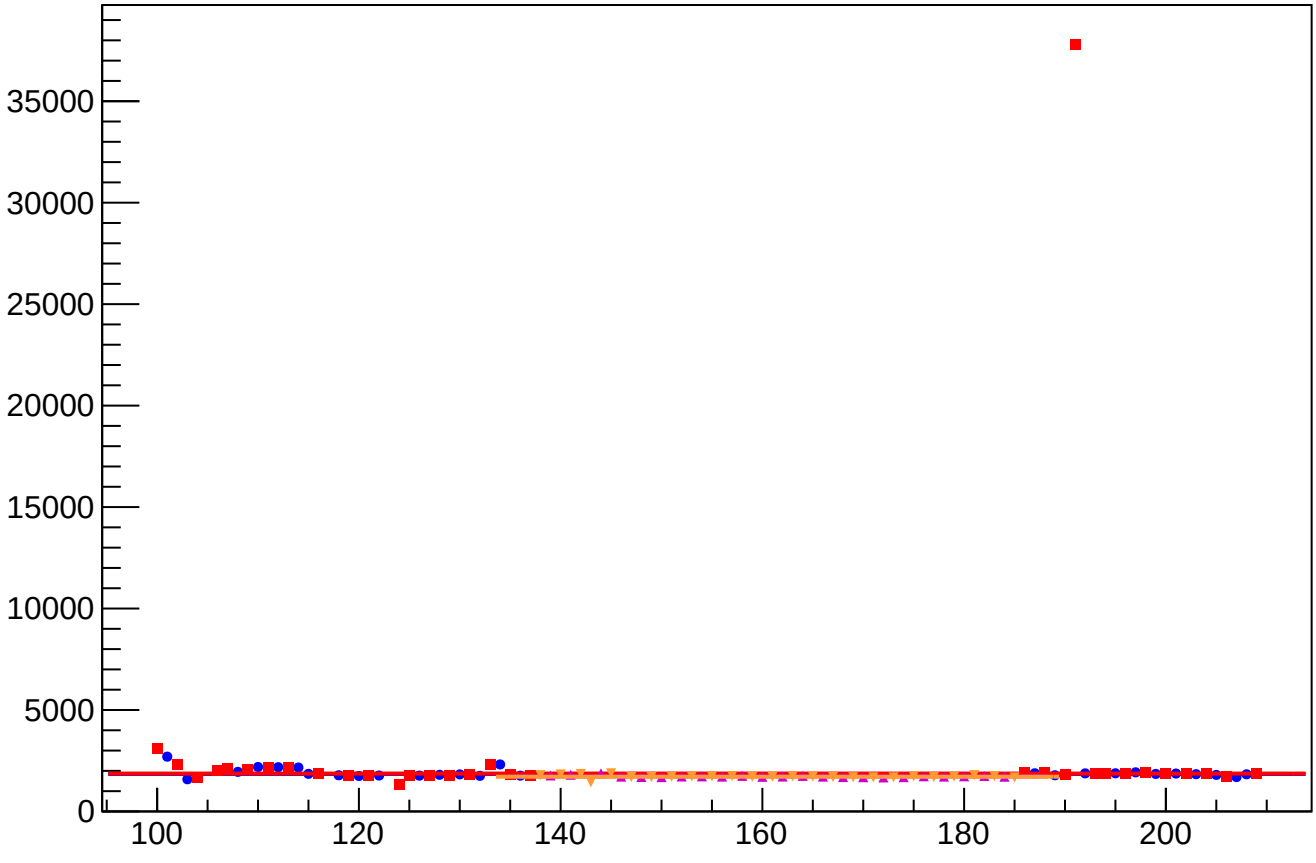
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -267.179+/-298.933 χ^2/NDF: 52.6/51

All: 89.165+/-212.606 χ^2/NDF: 108.4/106

- sign 453.914+/-302.438 χ^2/NDF: 52.9/54

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.0/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

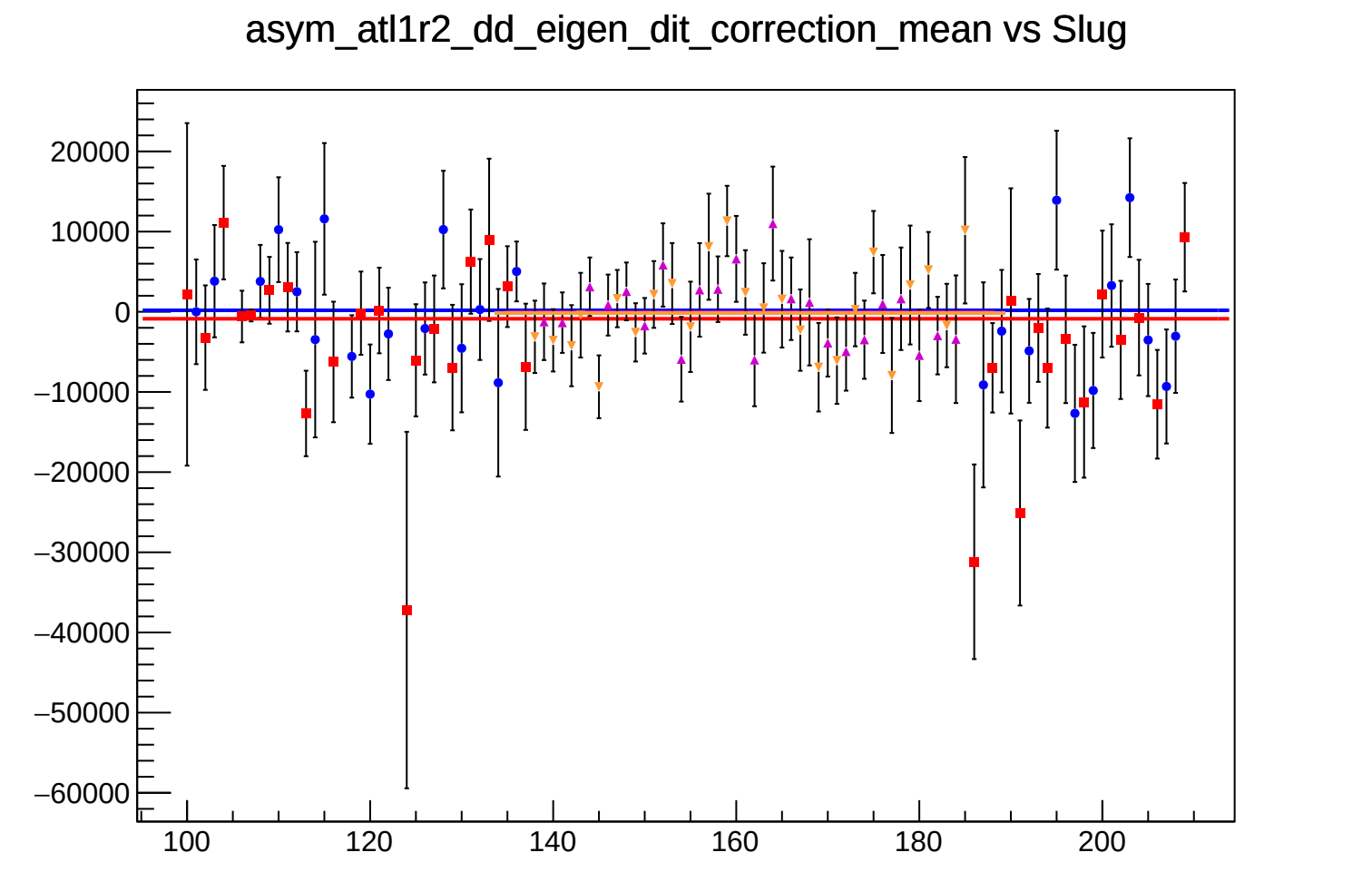
Right Out: 1865.749+/-0.322 χ^2/NDF: 430496.5/31

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.192+/-0.211 χ^2/NDF: 473685.7/51

All: 1778.945+/-0.150 χ^2/NDF: 1031316.3/10

- sign 1789.949+/-0.214 χ^2/NDF: 552394.5/54



Right In: 184.231+/-1263.603 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -871.513+/-629.693 χ^2/NDF: 36.2/31

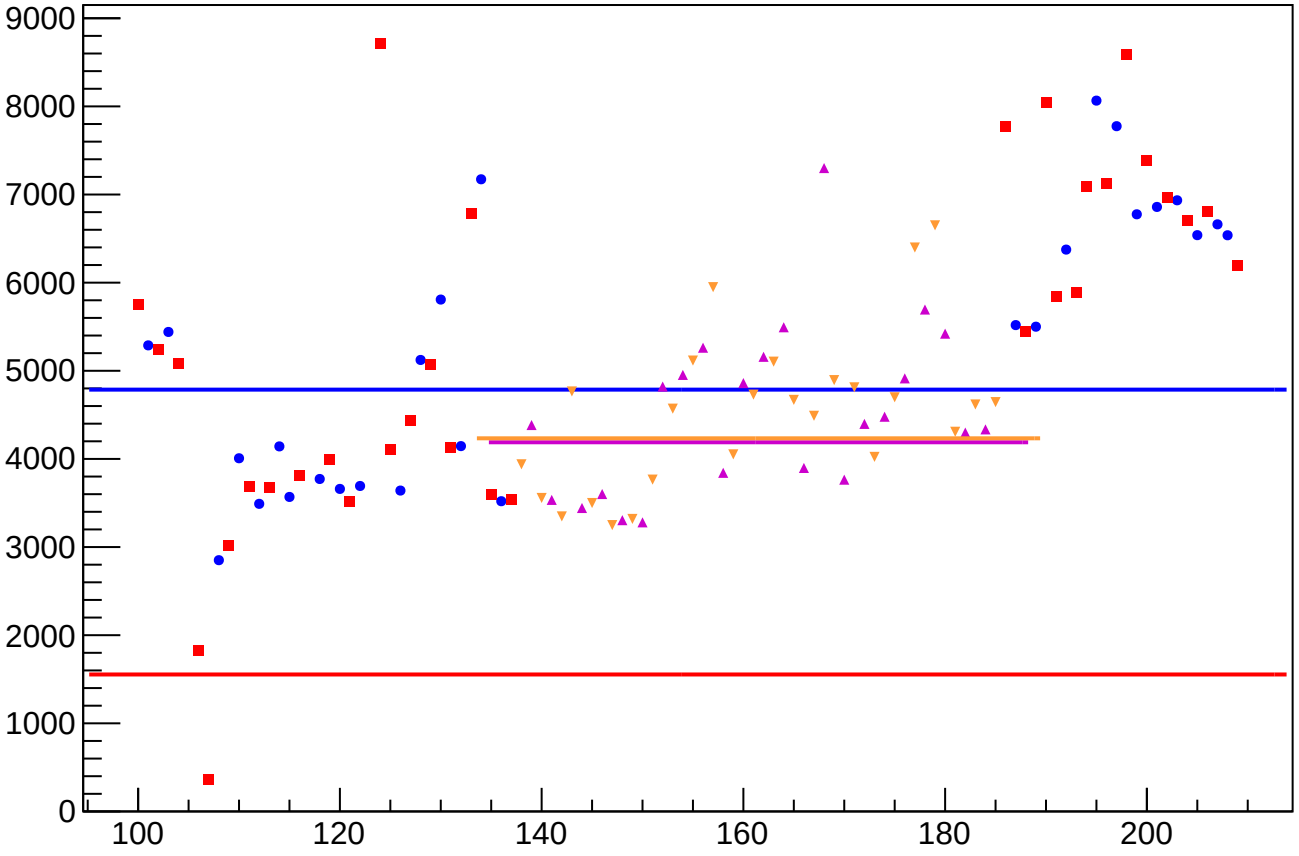
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -23.777+/-776.850 χ^2/NDF: 55.0/51

All: -444.602+/-439.427 χ^2/NDF: 106.1/106

- sign -642.603+/-532.868 χ^2/NDF: 50.6/54

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4786.216+/-0.894 χ^2/NDF: 2793256.0/26

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

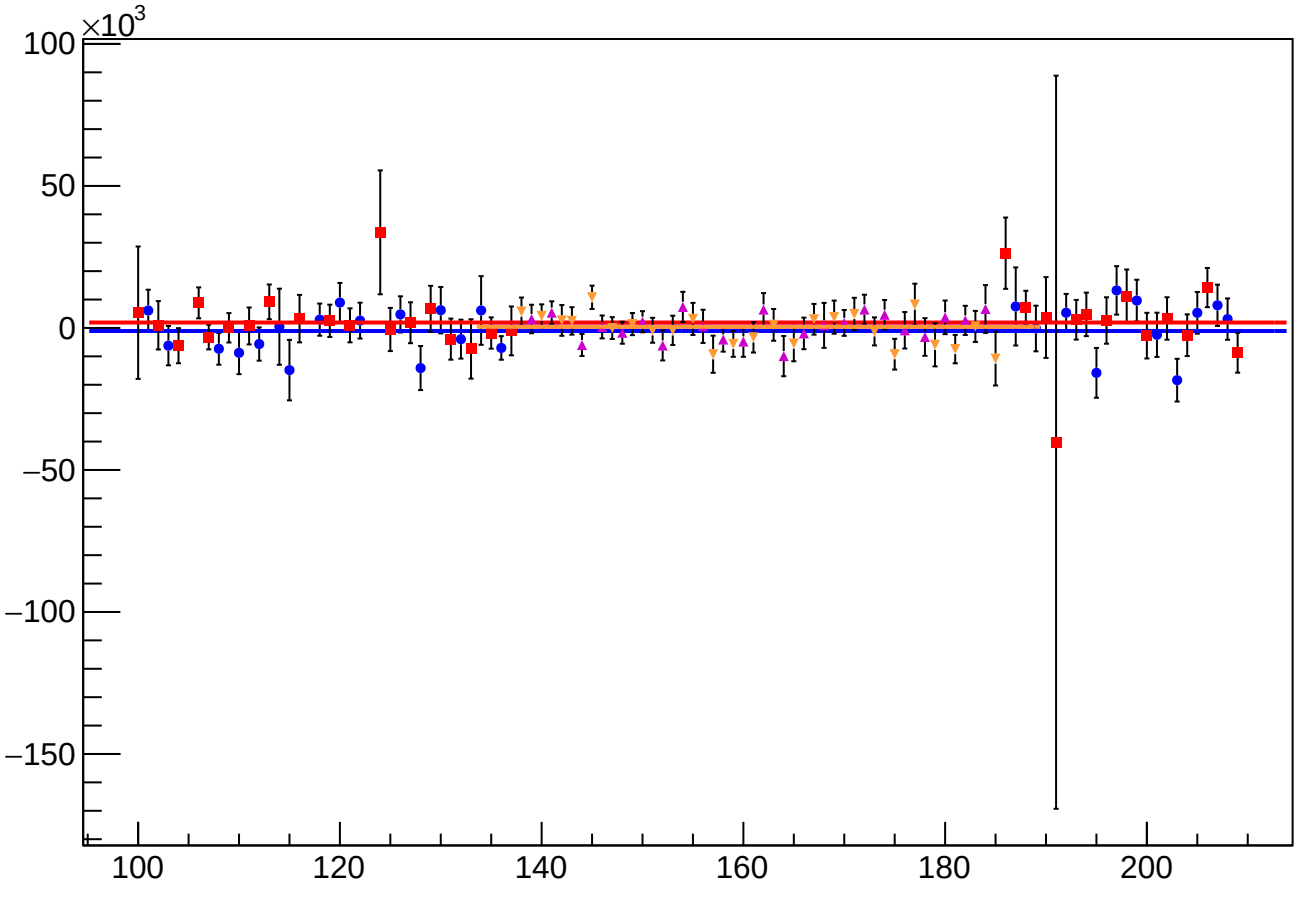
Right Out: 1554.215+/-0.445 χ^2/NDF: 22171066.4/31

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4442.664+/-0.549 χ^2/NDF: 4315715.4/51

All: 2987.042+/-0.311 χ^2/NDF: 48096690.2/1

- sign 2302.163+/-0.377 χ^2/NDF: 33455264.2/54



Right In: -1072.829+/-1371.258 χ^2/NDF: 33.2/26

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1910.462+/-1274.898 χ^2/NDF: 23.1/31

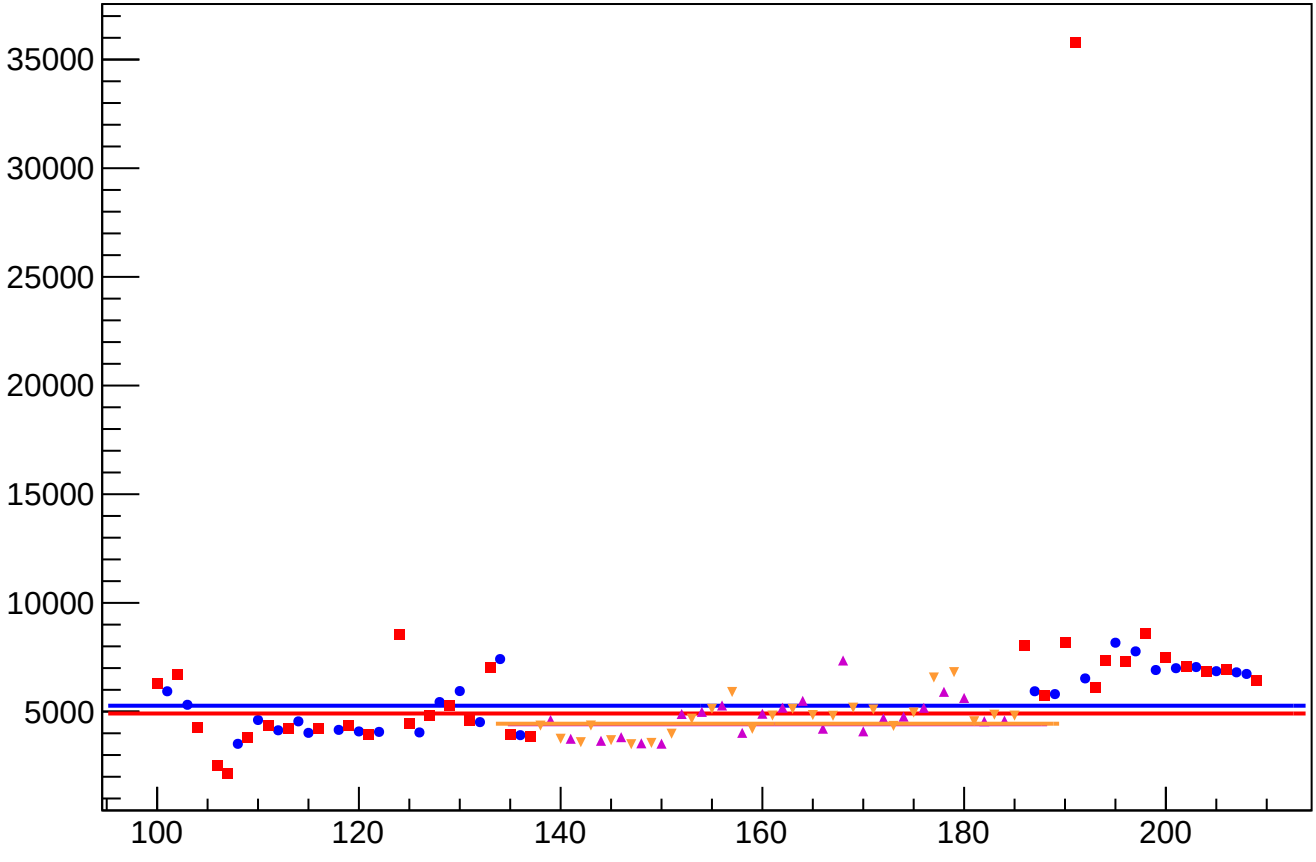
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -131.275+/-822.748 χ^2/NDF: 58.7/51

All: 479.310+/-577.339 χ^2/NDF: 100.9/106

- sign 1071.637+/-810.354 χ^2/NDF: 41.1/54

asym_atl1r2_dd_rms vs Slug



Right In: 5268.573+/-0.970 χ^2/NDF: 1984261.1/26

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4910.457+/-0.895 χ^2/NDF: 3776229.3/31

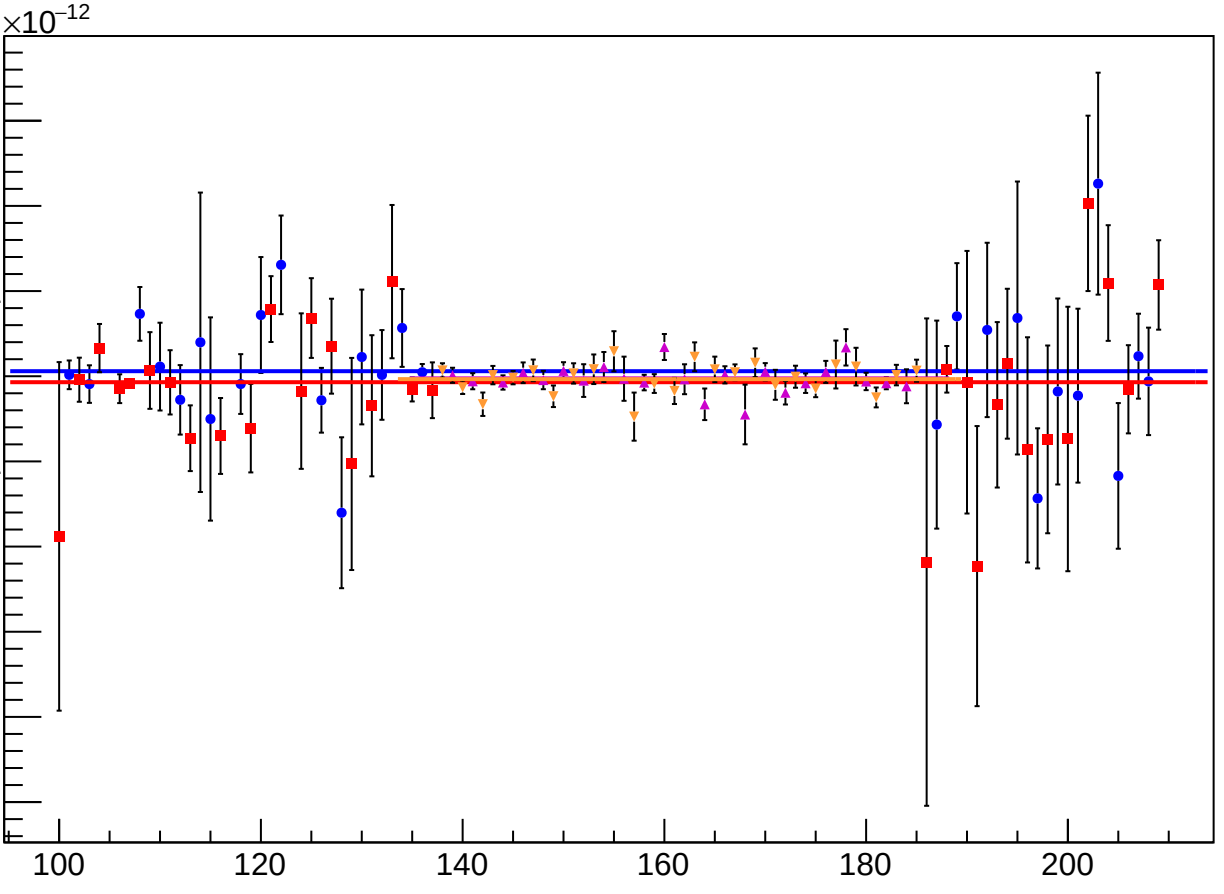
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4738.800+/-0.582 χ^2/NDF: 3523811.4/51

All: 4676.814+/-0.408 χ^2/NDF: 8614969.6/10

- sign 4617.013+/-0.571 χ^2/NDF: 5068854.0/54

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/31

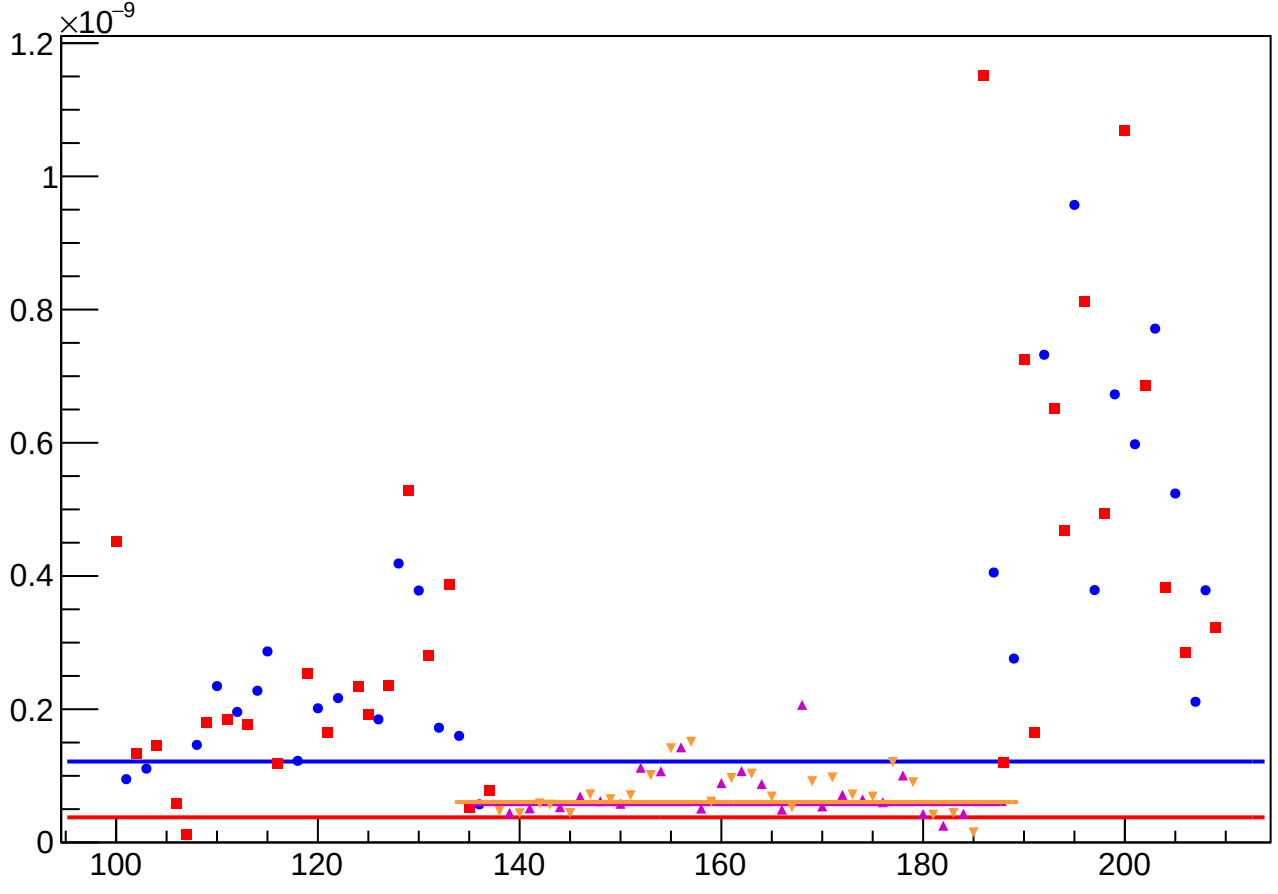
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/51

All: -0.000+/-0.000 χ^2/NDF: 114.4/106

- sign -0.000+/-0.000 χ^2/NDF: 56.1/54

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5734831.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10921919.1/31

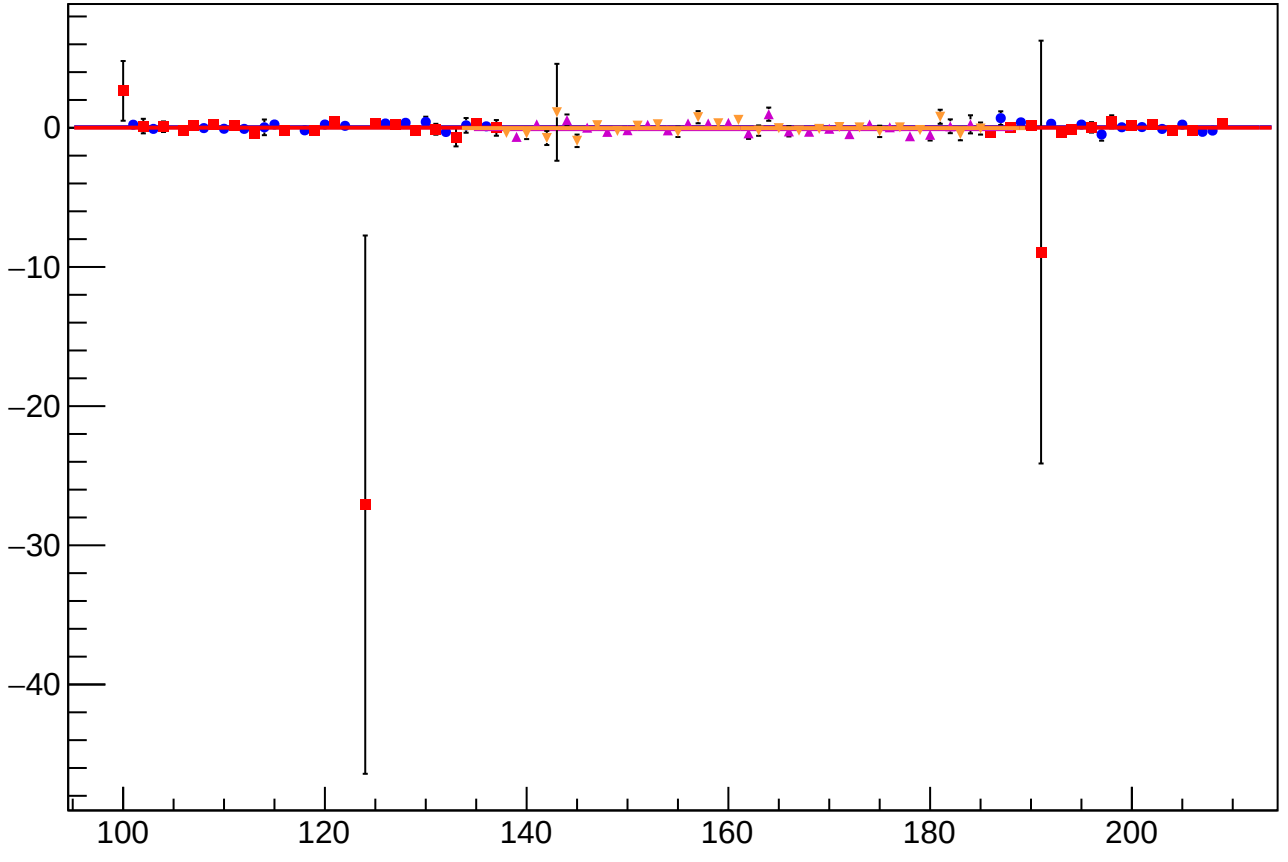
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8957517.0/51

All: 0.000+/-0.000 χ^2/NDF: 22924532.2/106

- sign 0.000+/-0.000 χ^2/NDF: 13266595.9/54

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.010+/-0.046 χ^2/NDF: 32.1/31

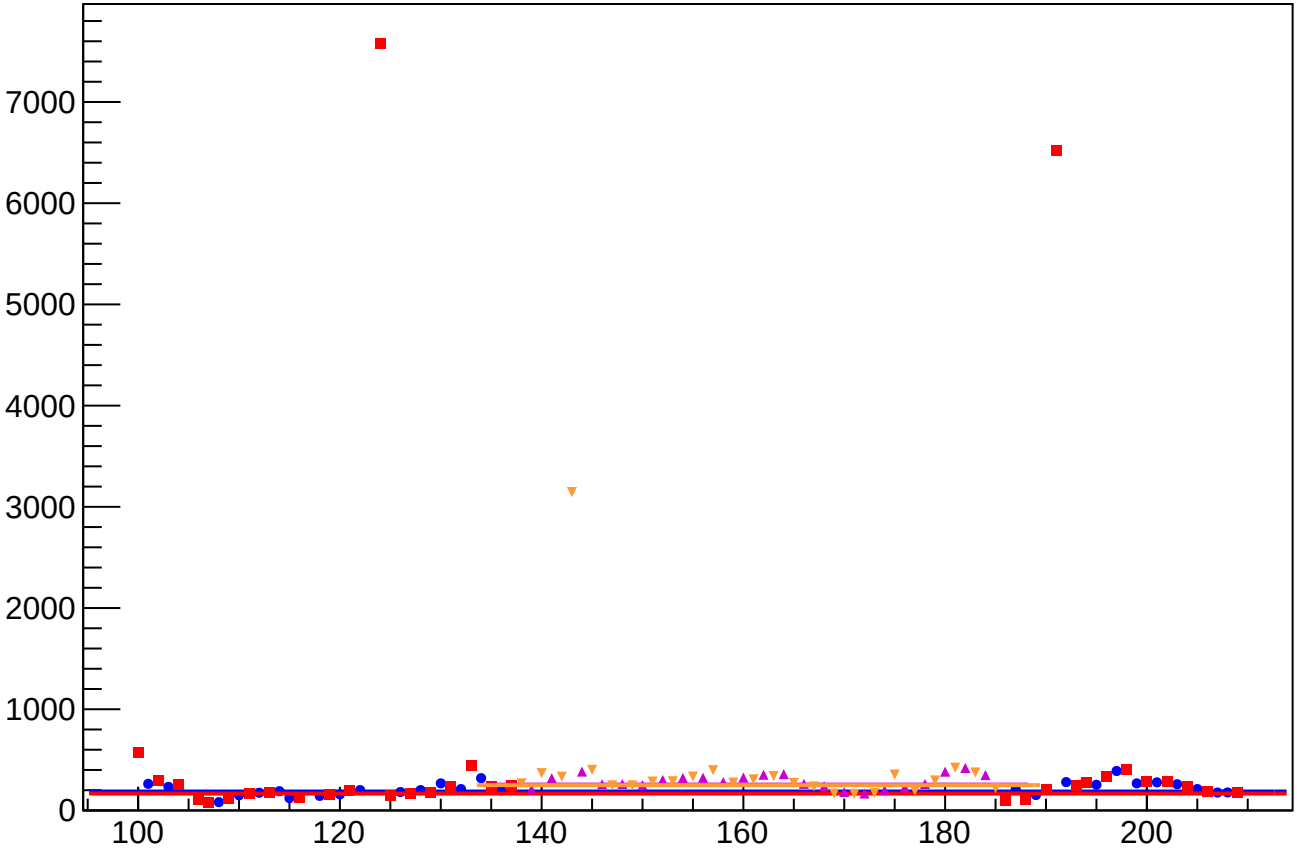
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.006+/-0.027 χ^2/NDF: 110.2/106

\- sign -0.026+/-0.037 χ^2/NDF: 65.4/54

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.859+/-0.032 χ^2/NDF: 5310584.7/31

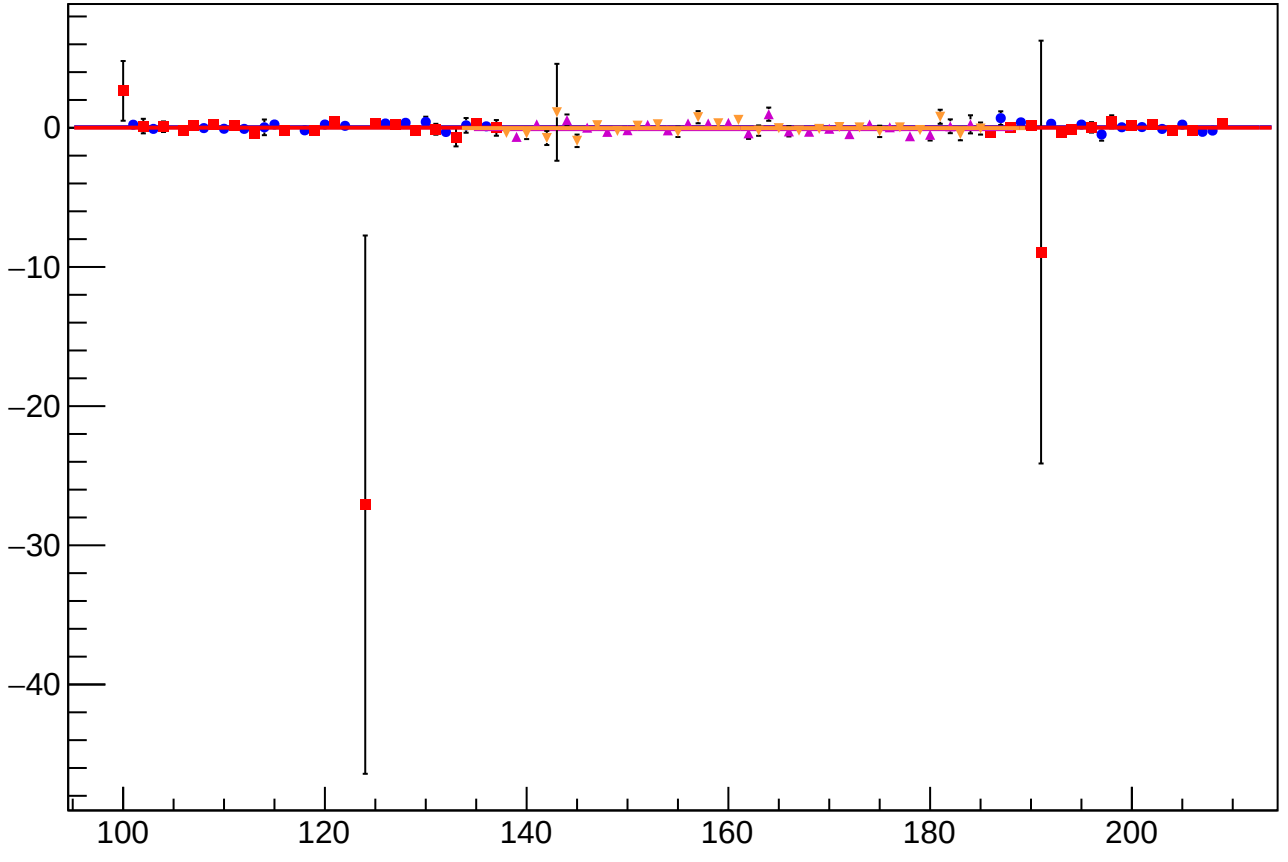
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440093.0/51

All: 204.461+/-0.019 χ^2/NDF: 18600824.2/10

- sign 197.356+/-0.026 χ^2/NDF: 10004311.8/54

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.010+/-0.046 χ^2/NDF: 32.1/31

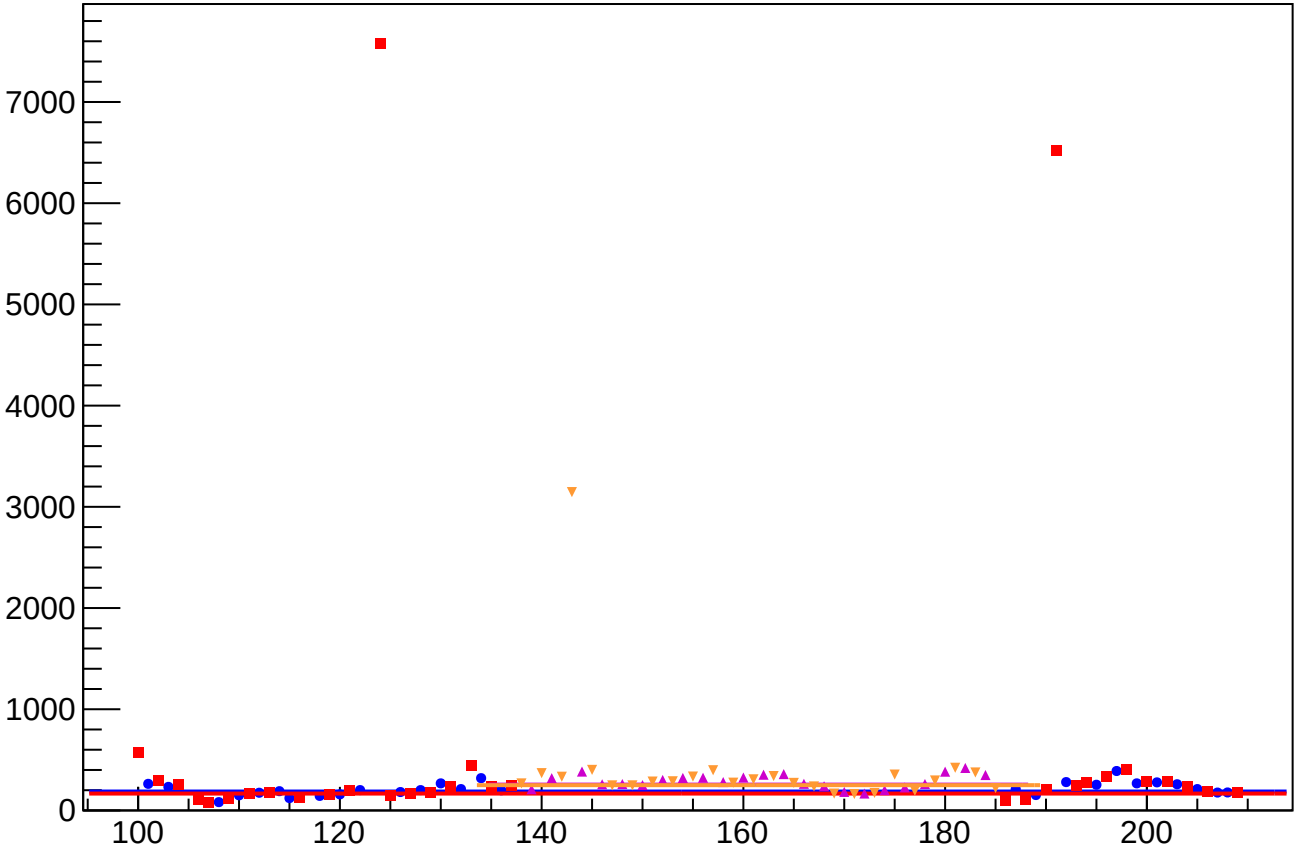
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.006+/-0.027 χ^2/NDF: 110.2/106

\- sign -0.026+/-0.037 χ^2/NDF: 65.4/54

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

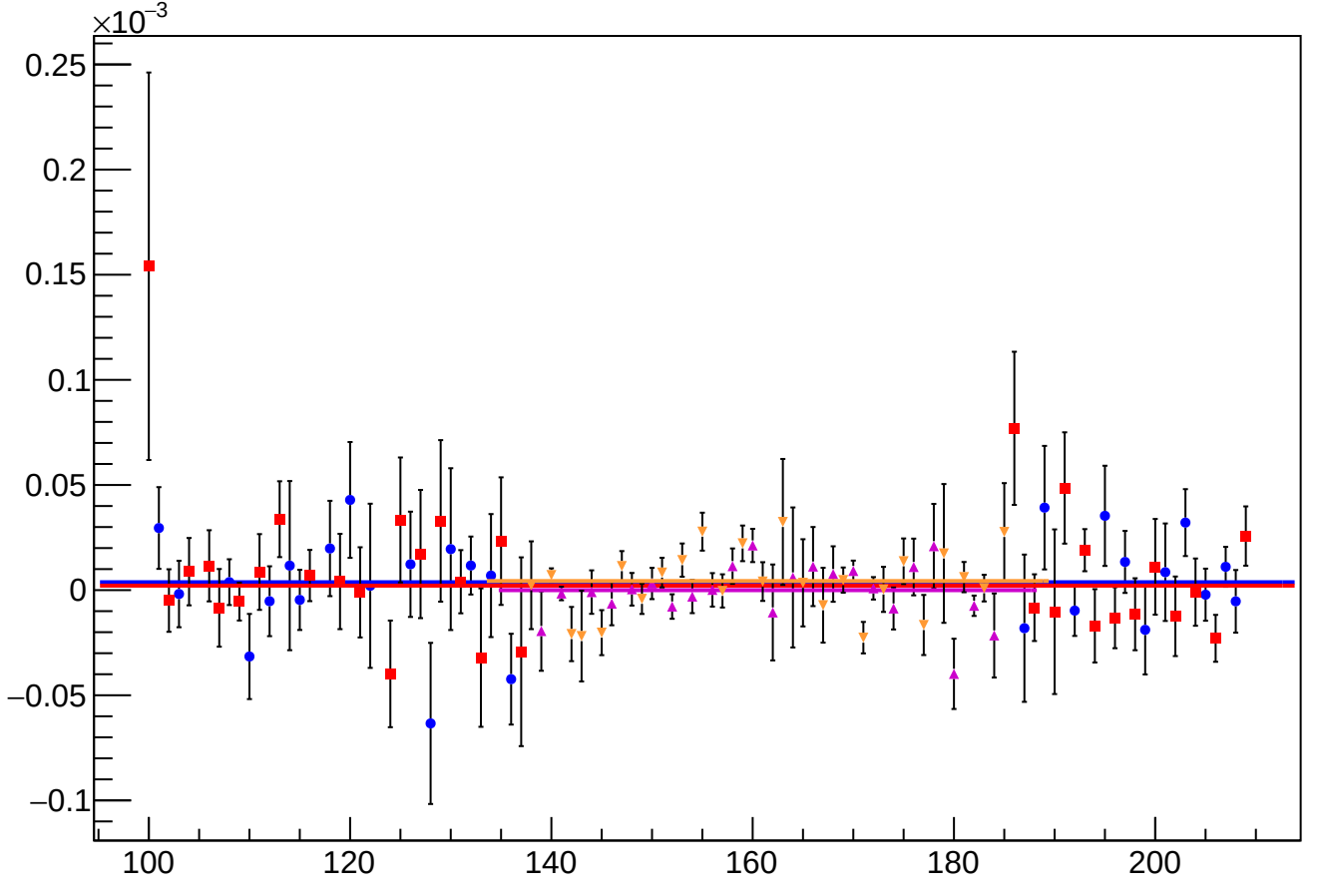
Right Out: 166.859+/-0.032 χ^2/NDF: 5310584.7/31

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440093.0/51

All: 204.461+/-0.019 χ^2/NDF: 18600824.2/10

- sign 197.356+/-0.026 χ^2/NDF: 10004311.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/31

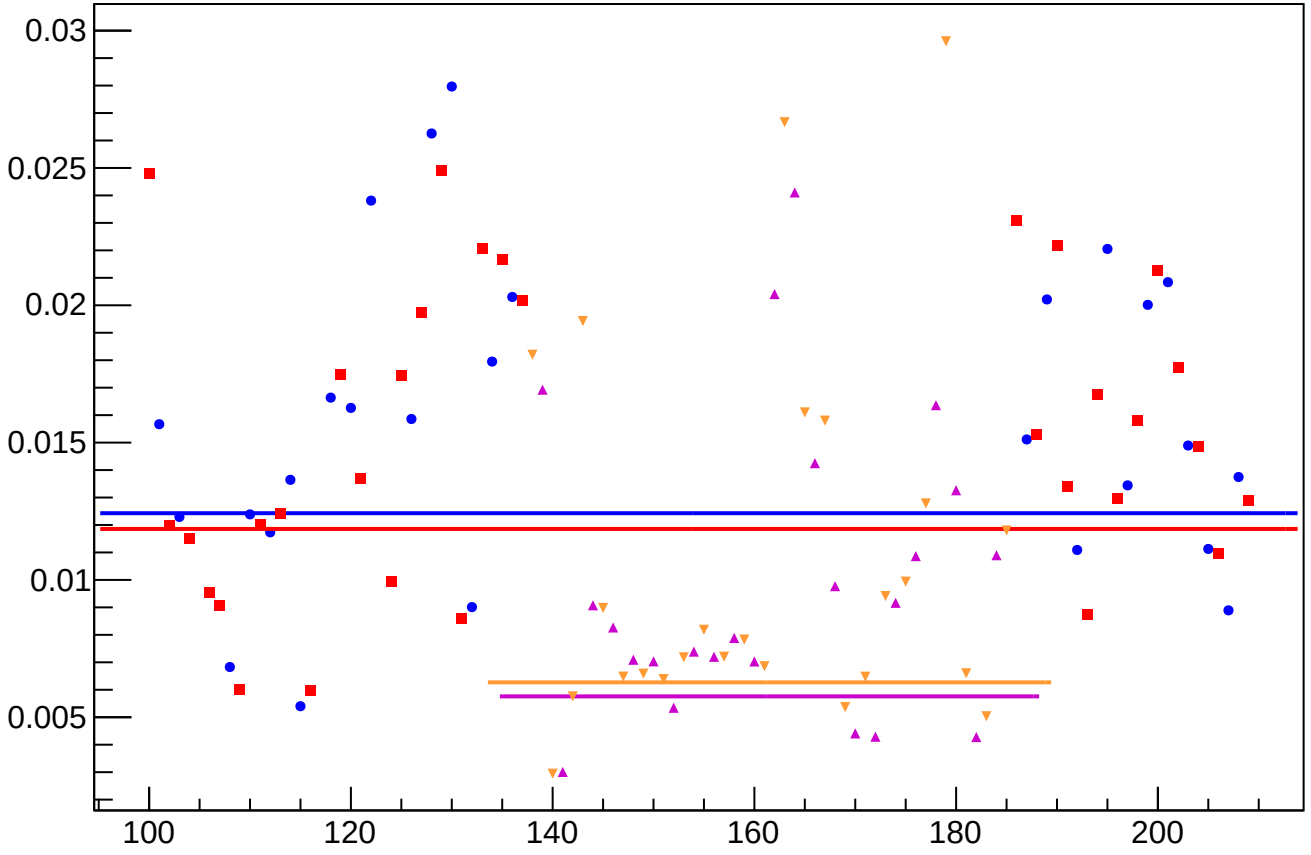
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/51

All: 0.000+/-0.000 χ^2/NDF: 143.1/106

- sign 0.000+/-0.000 χ^2/NDF: 66.3/54

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3830237.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

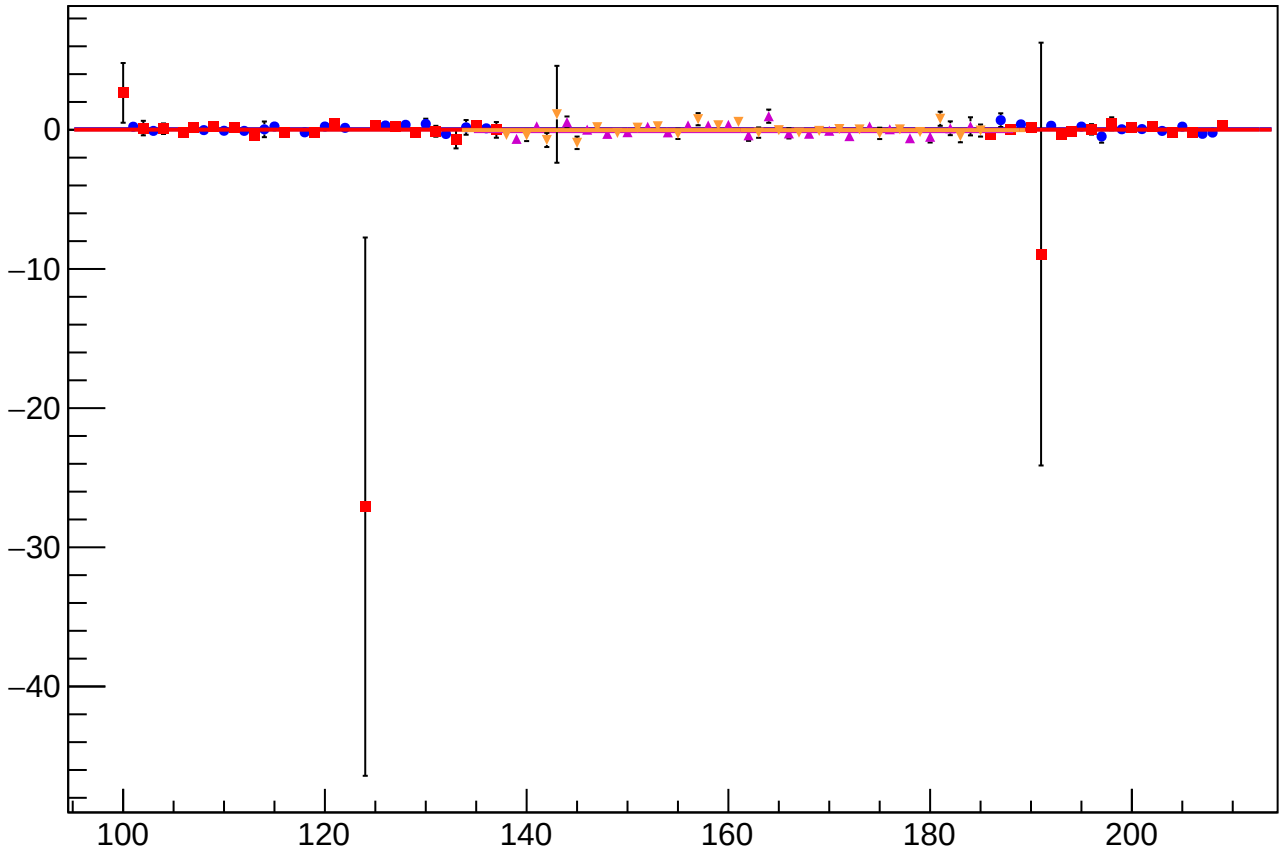
Right Out: 0.012+/-0.000 χ^2/NDF: 4109552.8/31

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 17100838.8/51

All: 0.007+/-0.000 χ^2/NDF: 34589976.6/106

- sign 0.007+/-0.000 χ^2/NDF: 17403125.9/54



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.010+/-0.046 χ^2/NDF: 32.1/31

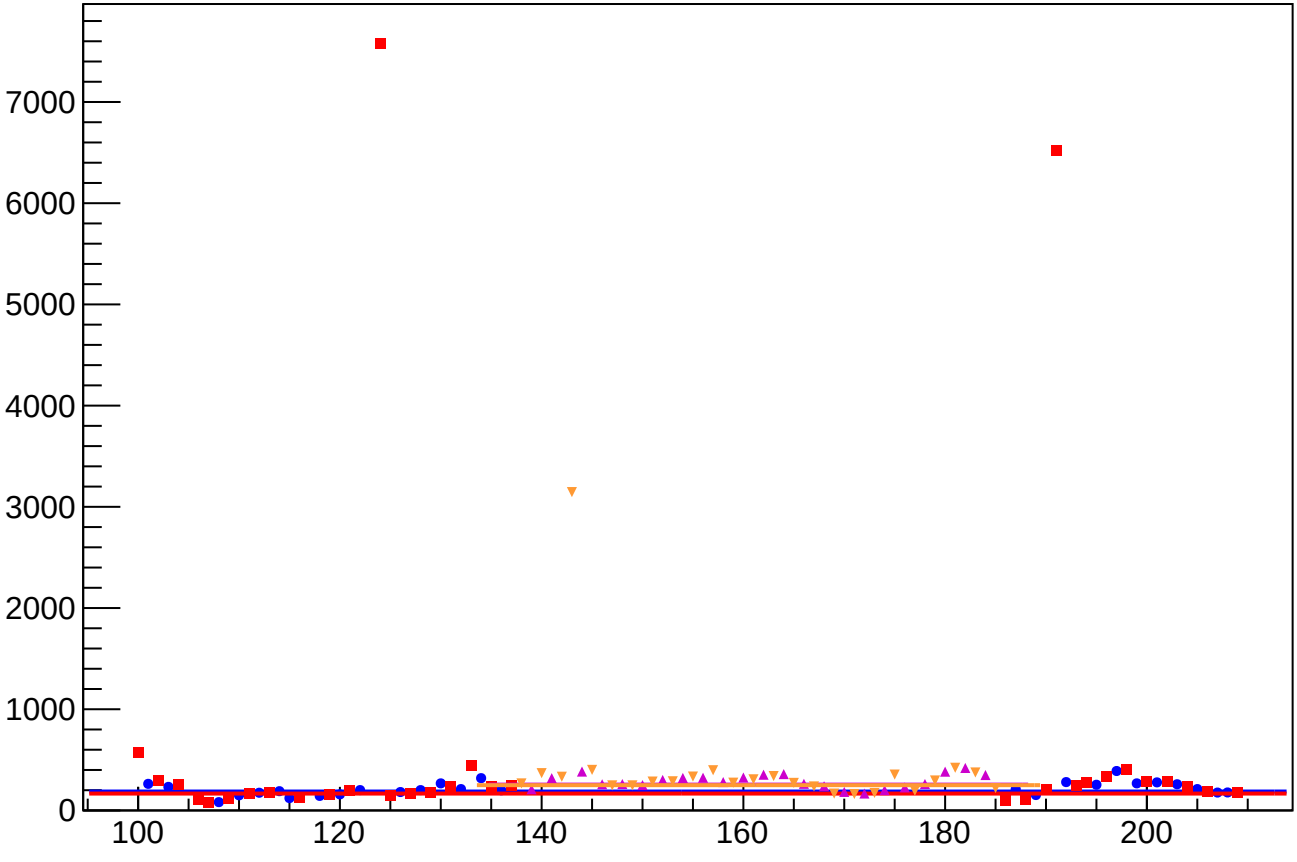
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.006+/-0.027 χ^2/NDF: 110.2/106

- sign -0.026+/-0.037 χ^2/NDF: 65.4/54

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

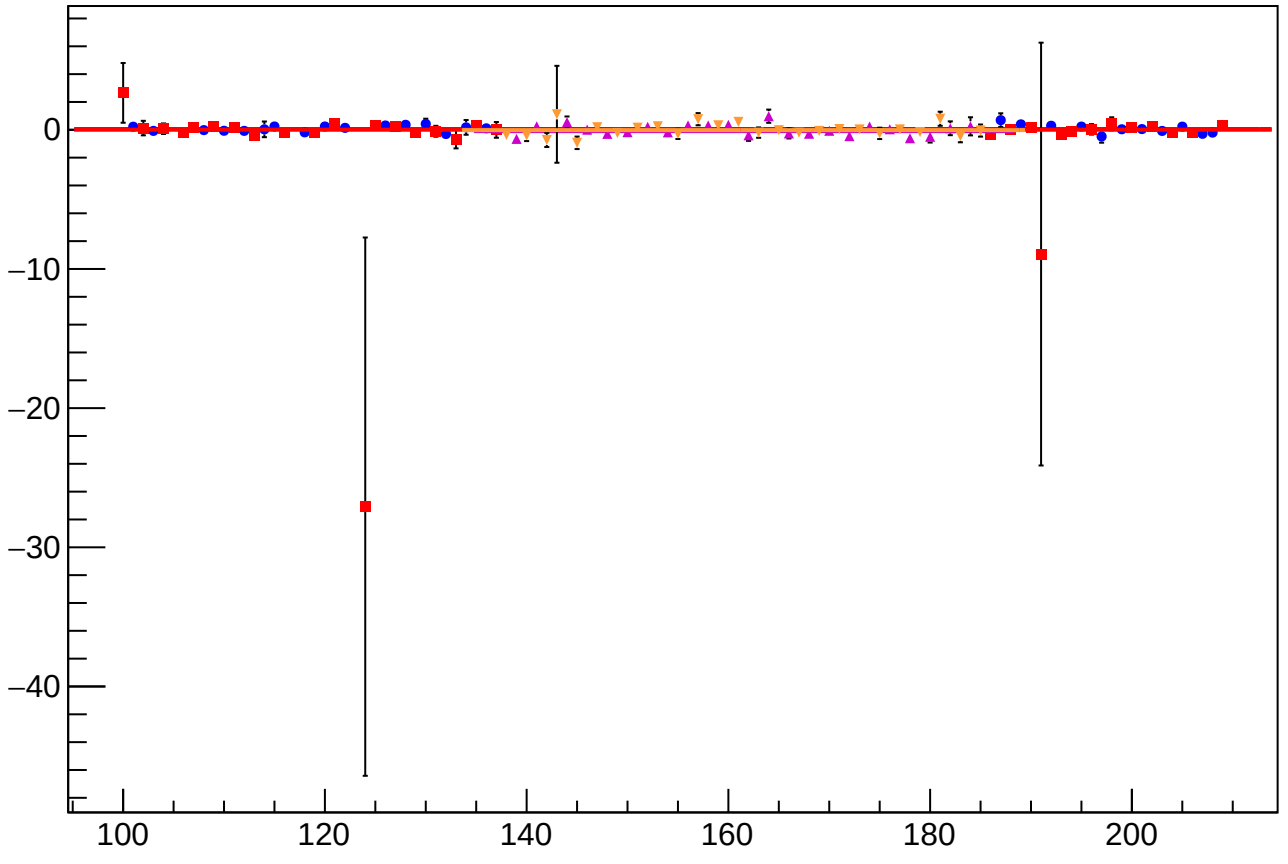
Right Out: 166.861+/-0.032 χ^2/NDF: 5310464.1/31

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440365.9/51

All: 204.462+/-0.019 χ^2/NDF: 18600897.1/10

- sign 197.358+/-0.026 χ^2/NDF: 10004173.5/54



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

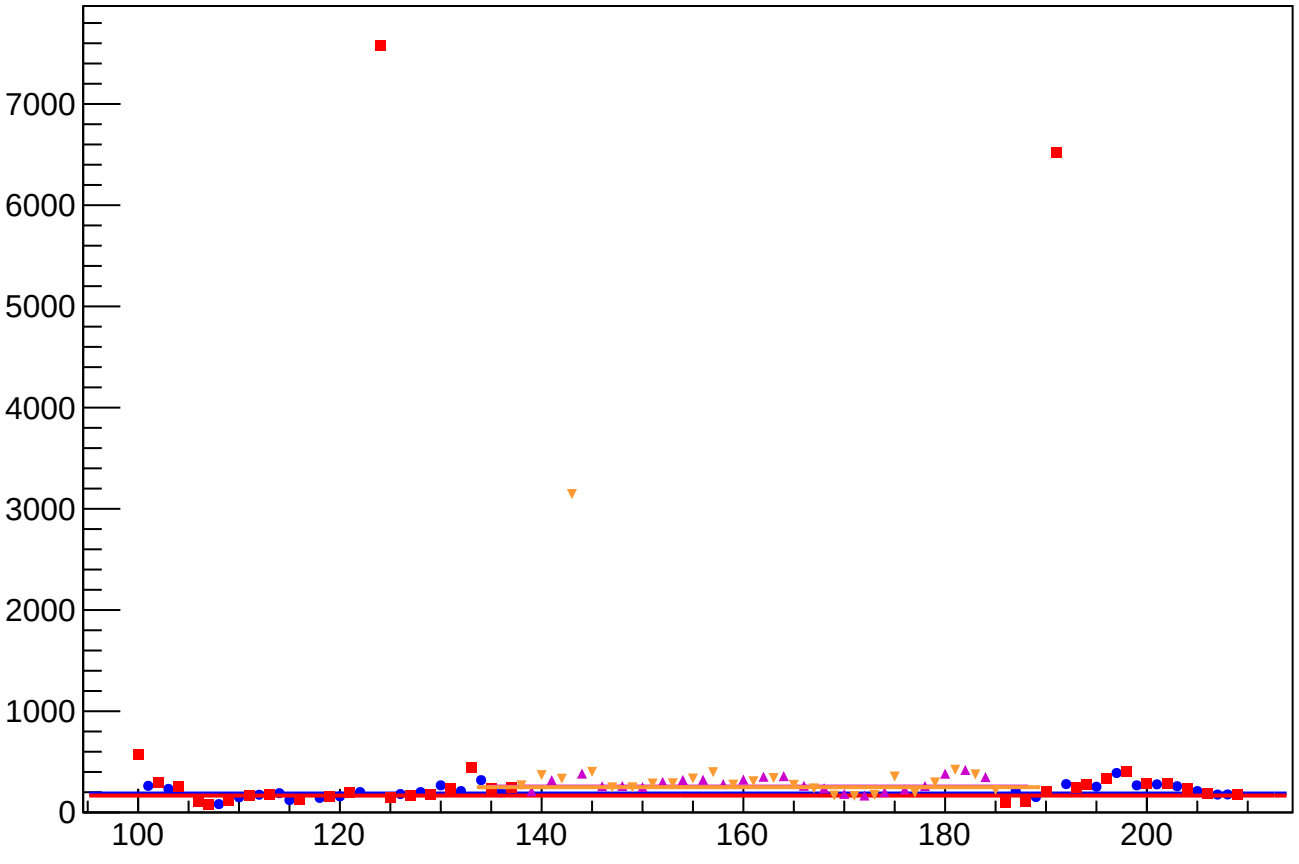
Right Out: 0.010+/-0.046 χ^2/NDF: 32.1/31

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.016+/-0.039 χ^2/NDF: 44.2/51

All: -0.006+/-0.027 χ^2/NDF: 110.2/106

\- sign -0.026+/-0.037 χ^2/NDF: 65.4/54



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

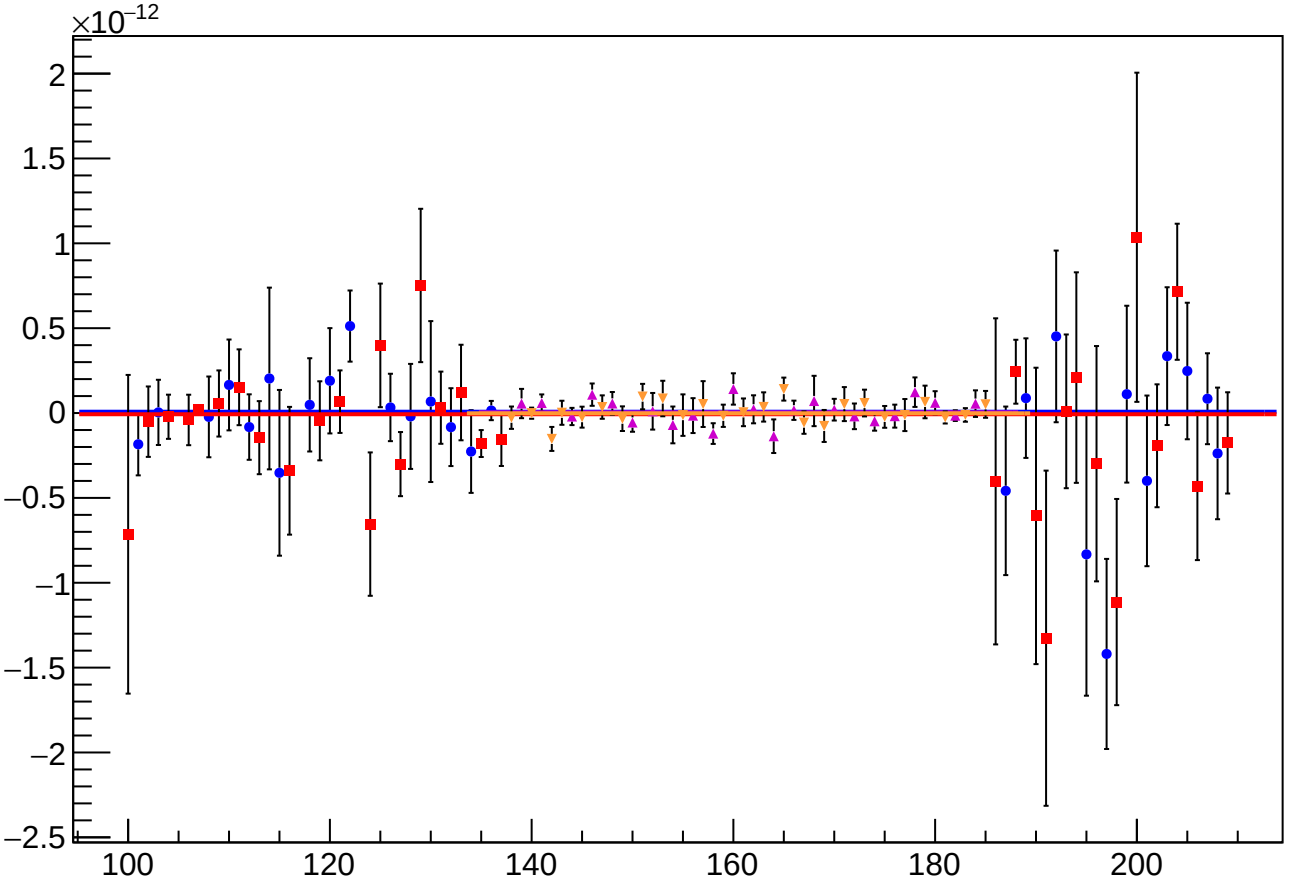
Right Out: 166.861+/-0.032 χ^2/NDF: 5310464.1/31

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 212.423+/-0.028 χ^2/NDF: 8440365.9/51

All: 204.462+/-0.019 χ^2/NDF: 18600897.1/10

- sign 197.358+/-0.026 χ^2/NDF: 10004173.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

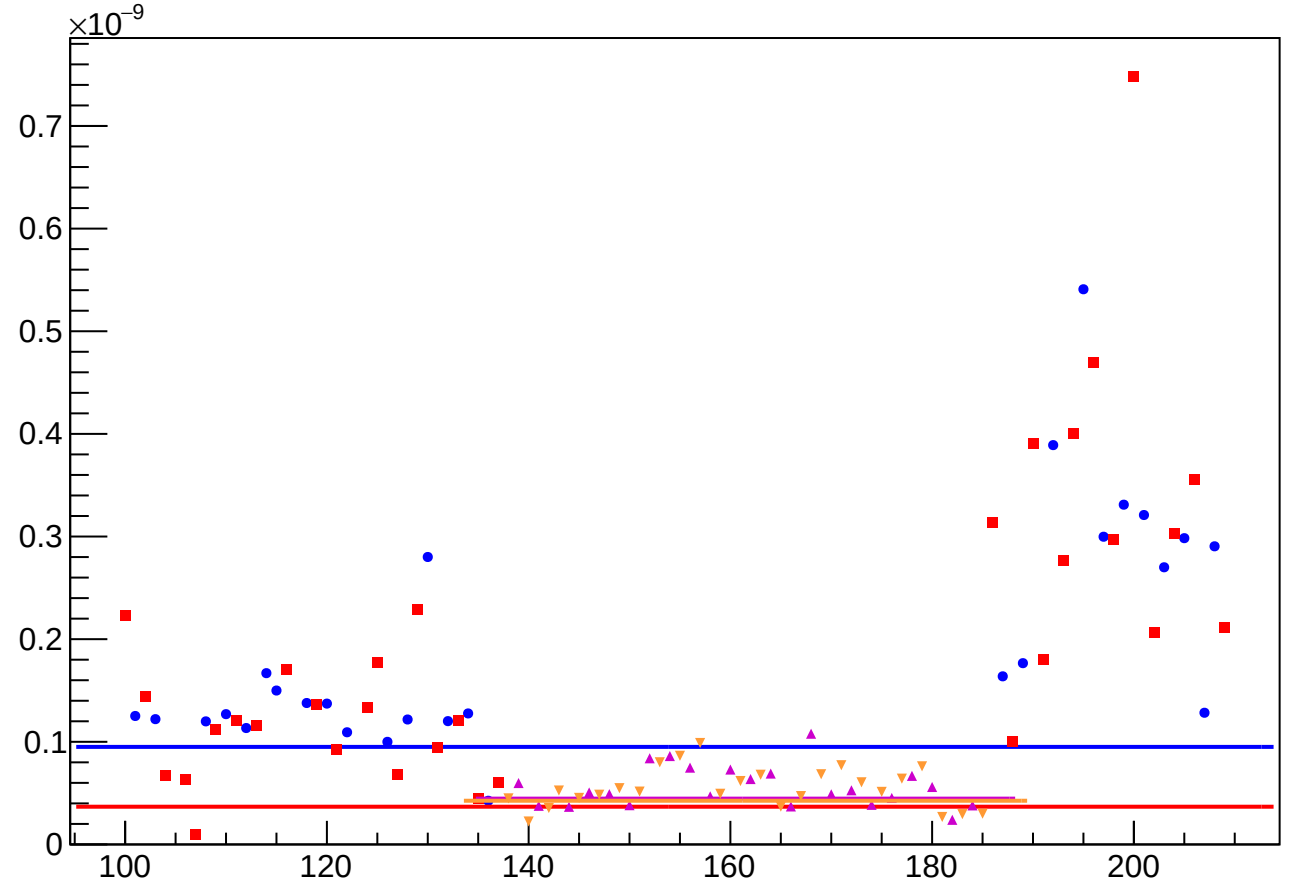
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/31

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.5/51

All: 0.000+/-0.000 χ^2/NDF: 89.6/106

- sign 0.000+/-0.000 χ^2/NDF: 52.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 6306684.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13007027.7/31

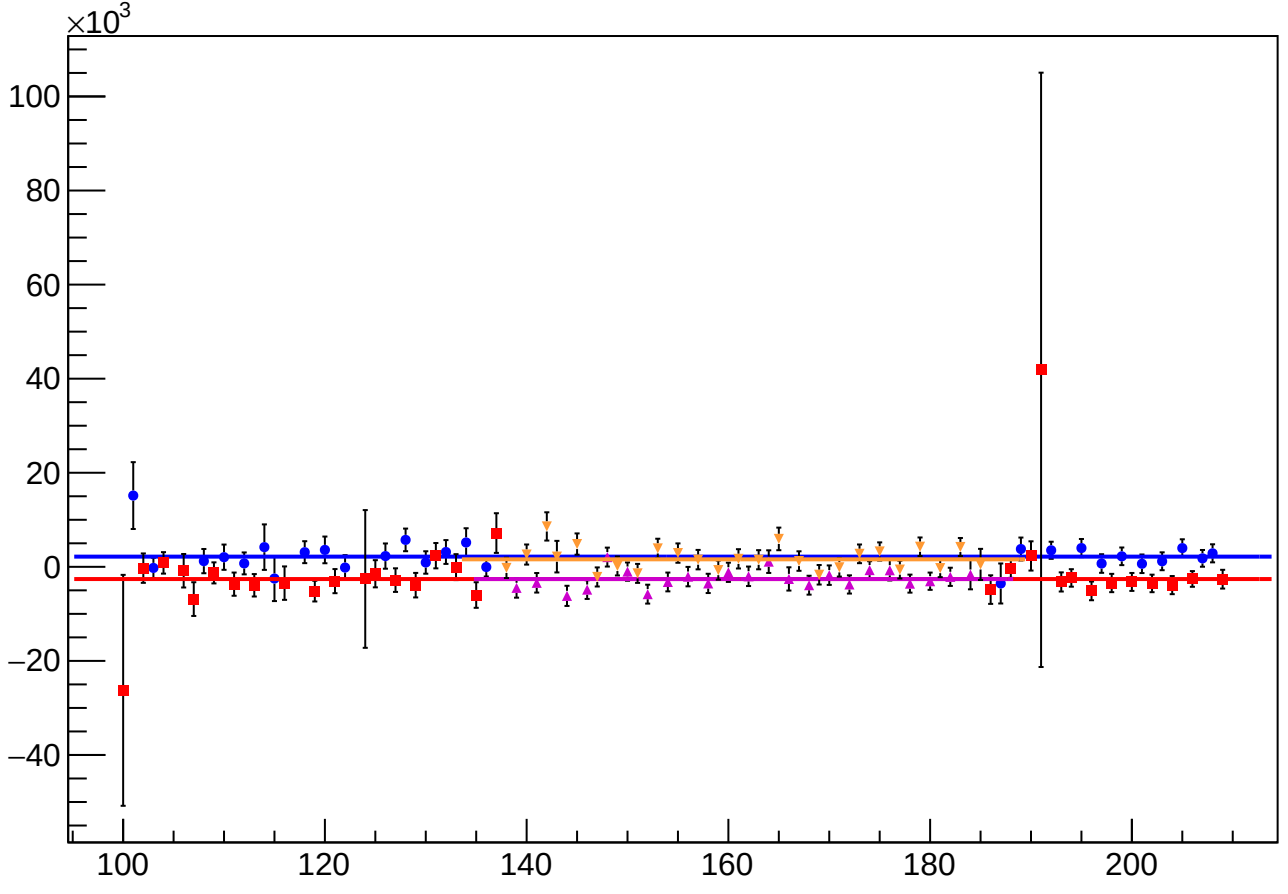
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13035415.7/51

All: 0.000+/-0.000 χ^2/NDF: 29264009.4/106

- sign 0.000+/-0.000 χ^2/NDF: 16057647.6/54

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2167.282+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.390+/-434.749 χ^2/NDF: 26.8/31

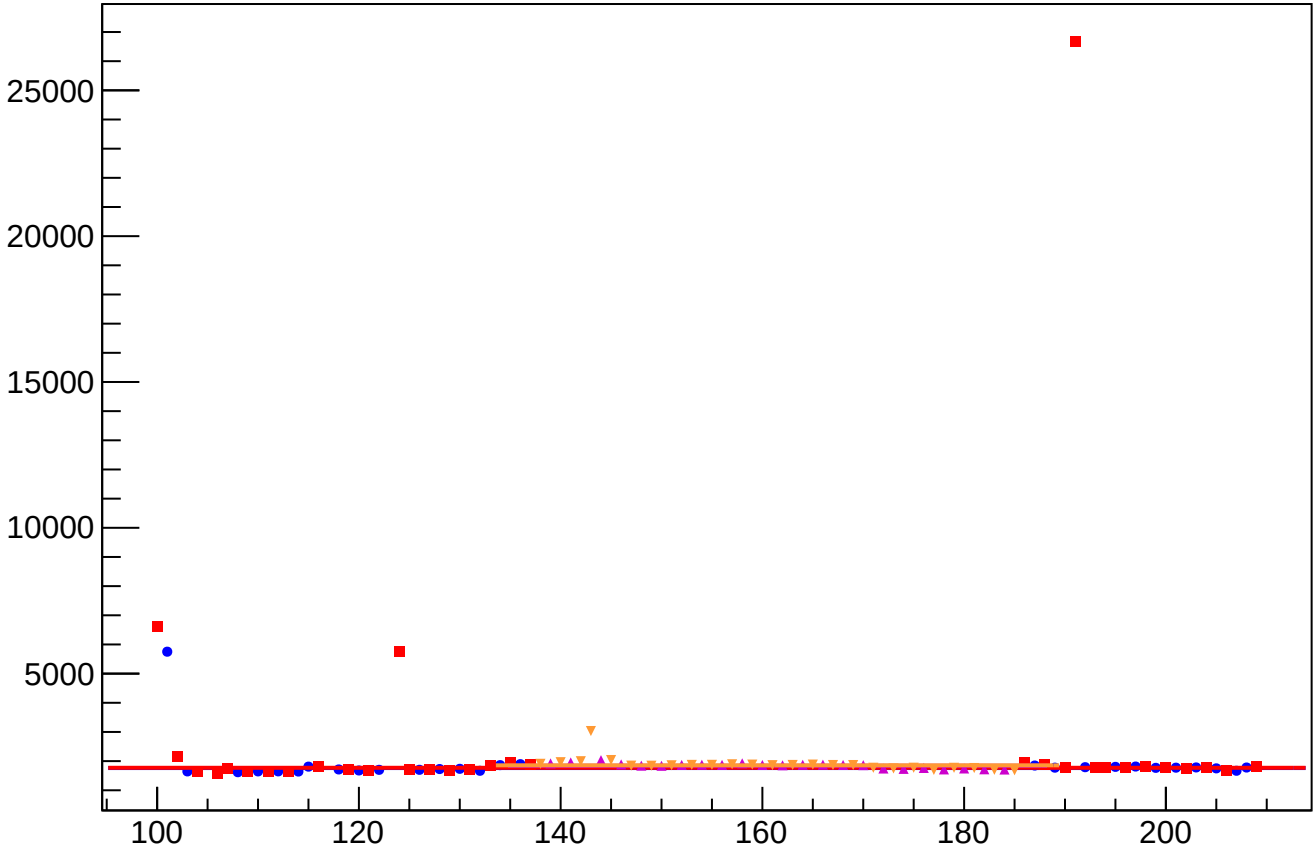
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1863.640+/-307.654 χ^2/NDF: 50.6/51

All: -380.499+/-216.895 χ^2/NDF: 203.2/106

- sign -2598.062+/-305.826 χ^2/NDF: 46.9/54

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF: 680903.7/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.131+/-0.306 χ^2/NDF: 647675.4/31

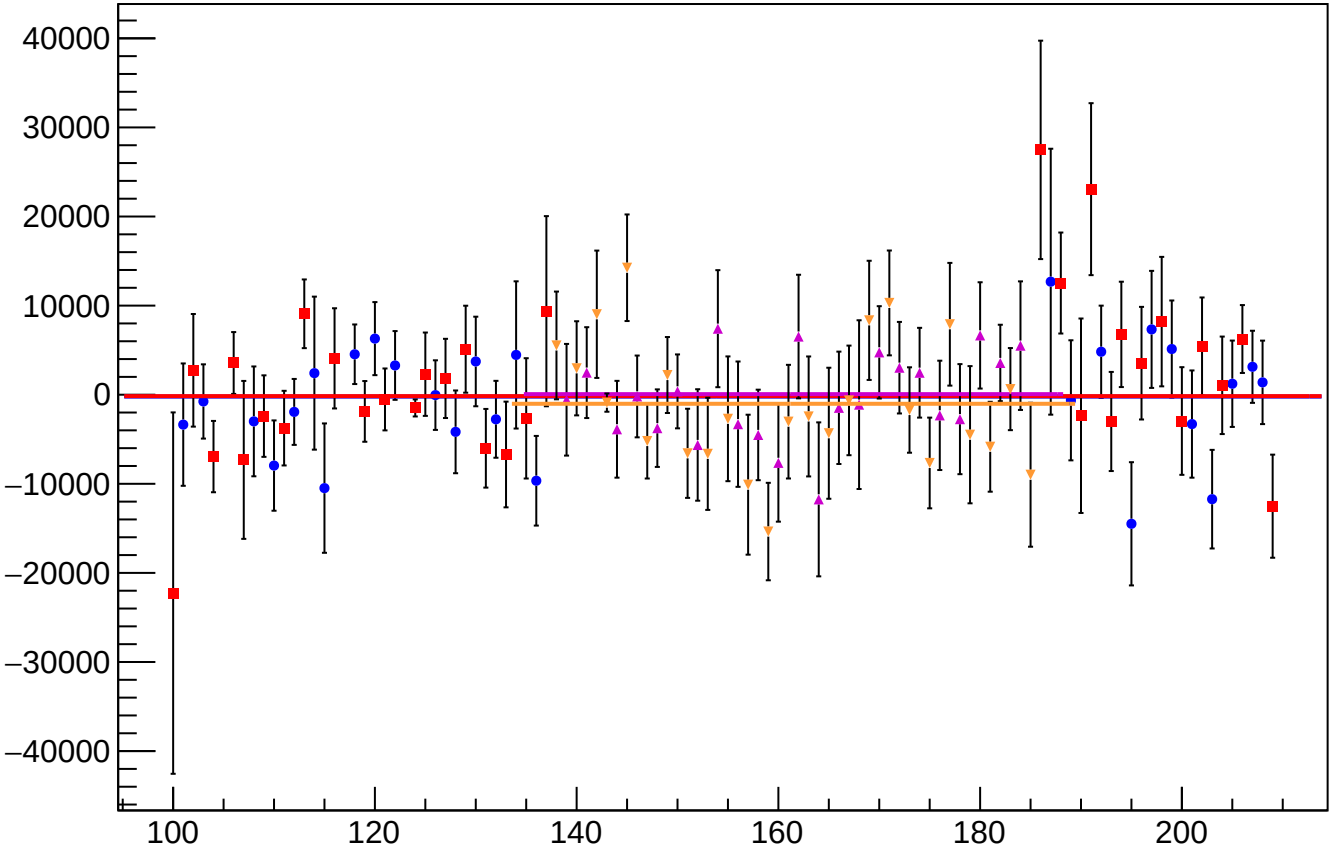
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF: 1050993.9/51

All: 1808.907+/-0.153 χ^2/NDF: 1796114.0/10

- sign 1806.302+/-0.216 χ^2/NDF: 744826.8/54

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -210.453+/-963.984 χ^2/NDF: 29.7/26

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -160.761+/-666.210 χ^2/NDF: 49.0/31

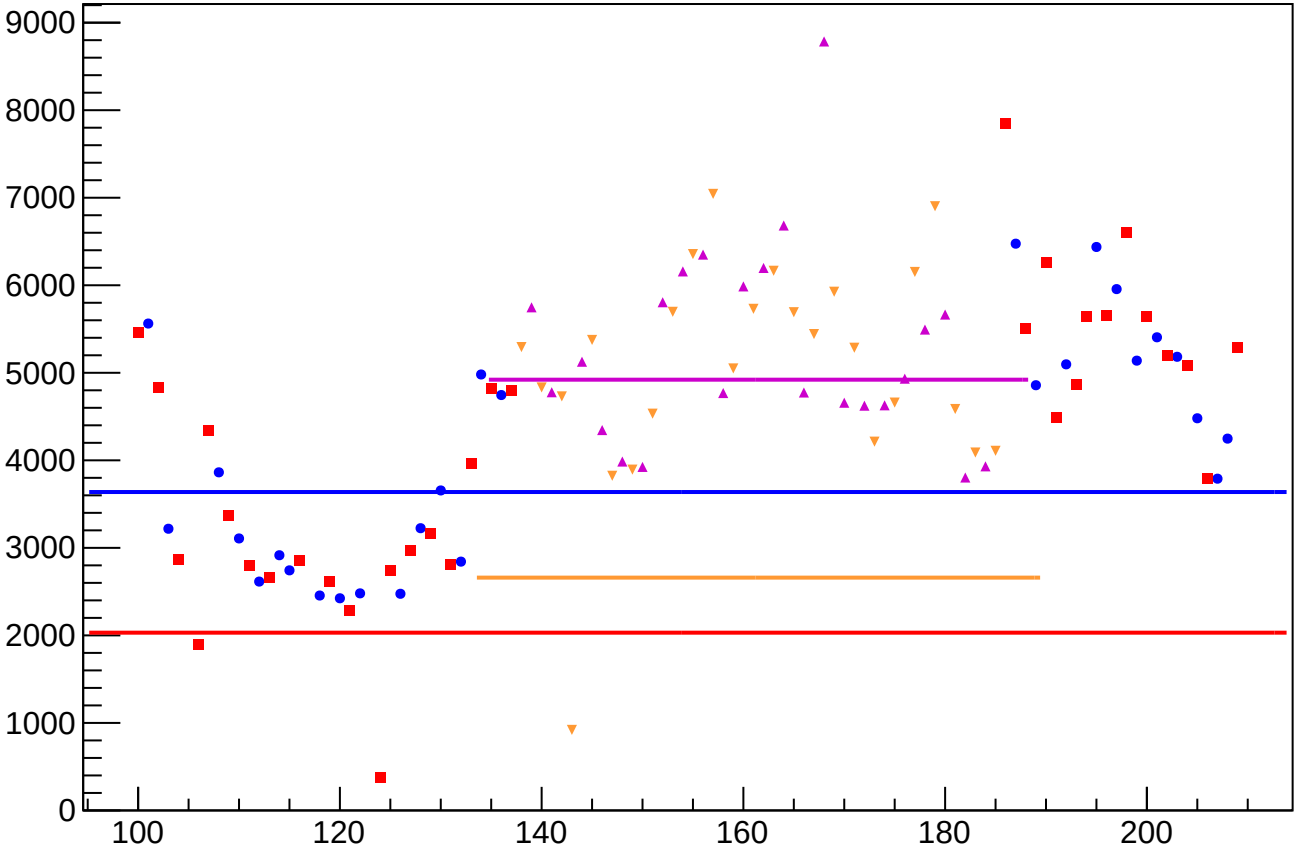
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -703.071+/-602.495 χ^2/NDF: 63.9/51

All: -393.039+/-417.605 χ^2/NDF: 126.4/106

- sign -106.370+/-579.349 χ^2/NDF: 62.1/54

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3637.912+/-0.682 χ^2/NDF: 2866763.6/26

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2031.097+/-0.471 χ^2/NDF: 15493469.1/31

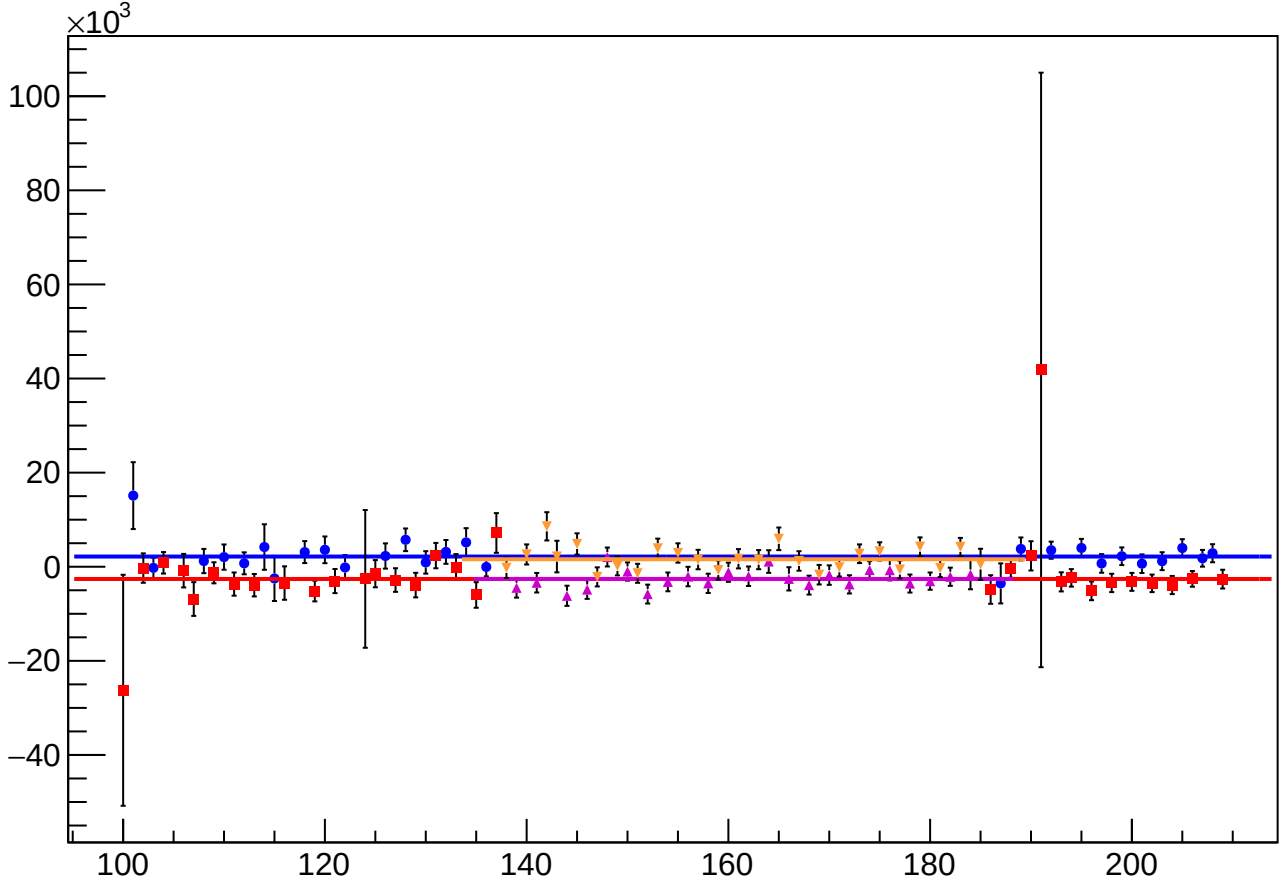
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3042.009+/-0.426 χ^2/NDF: 18657022.3/51

All: 2882.818+/-0.295 χ^2/NDF: 44845986.5/1

- sign 2735.624+/-0.410 χ^2/NDF: 25920239.2/54

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.411+/-434.749 χ^2/NDF: 26.8/31

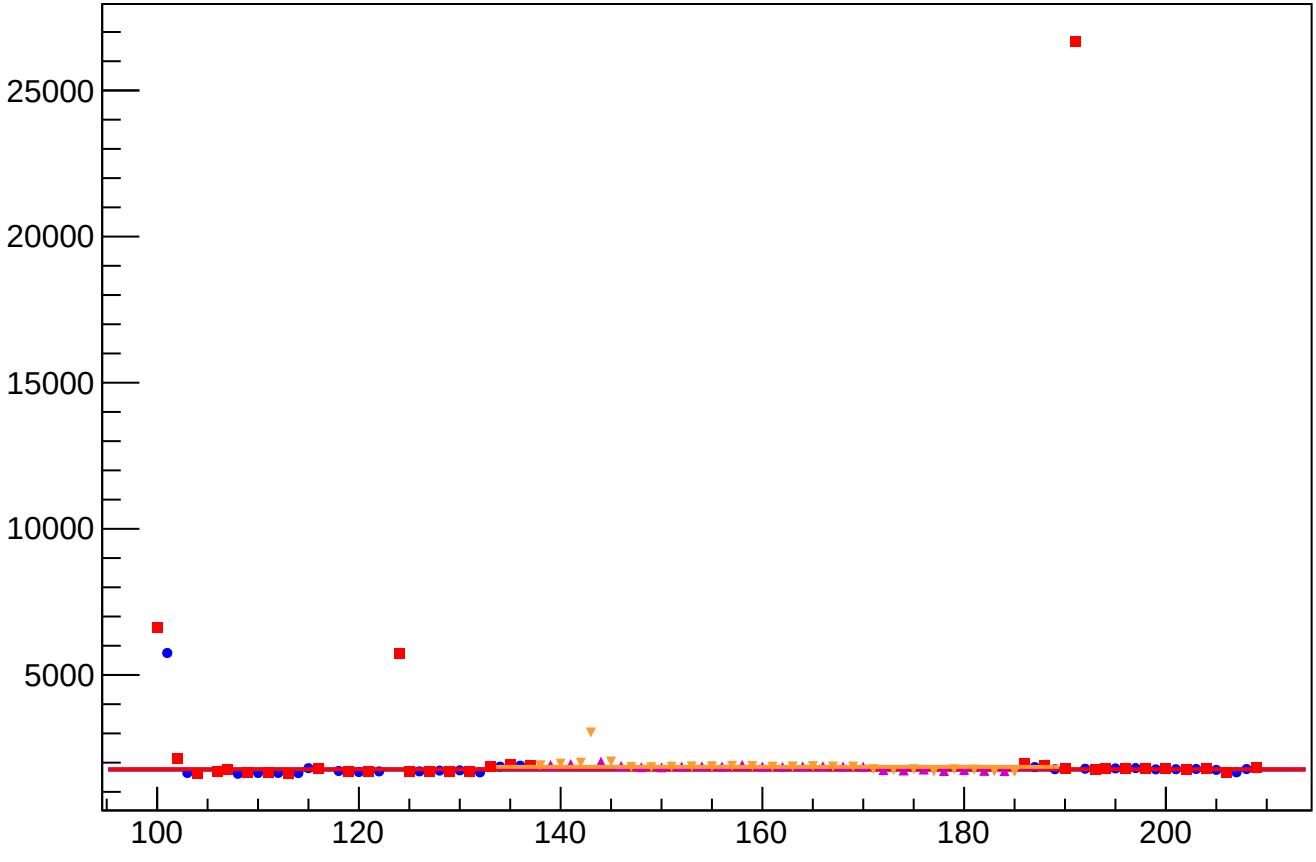
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1863.540+/-307.654 χ^2/NDF: 50.5/51

All: -380.573+/-216.895 χ^2/NDF: 203.2/106

- sign -2598.108+/-305.826 χ^2/NDF: 46.9/54

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.195+/-0.307 χ^2/NDF: 639124.3/31

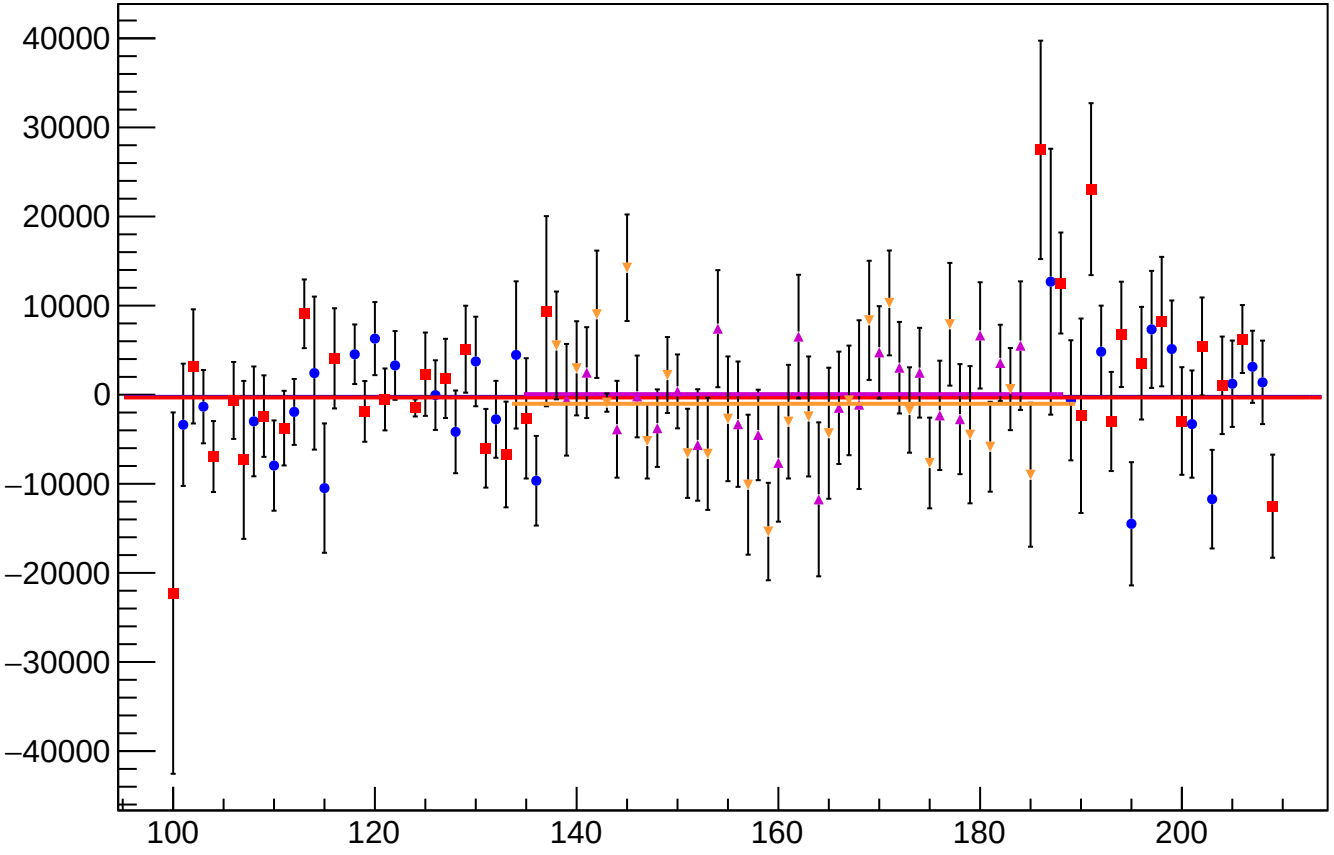
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF: 1050994.2/51

All: 1809.702+/-0.153 χ^2/NDF: 1785129.6/10

- sign 1807.877+/-0.216 χ^2/NDF: 733991.8/54

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -309.610+/-670.627 χ^2/NDF: 47.9/31

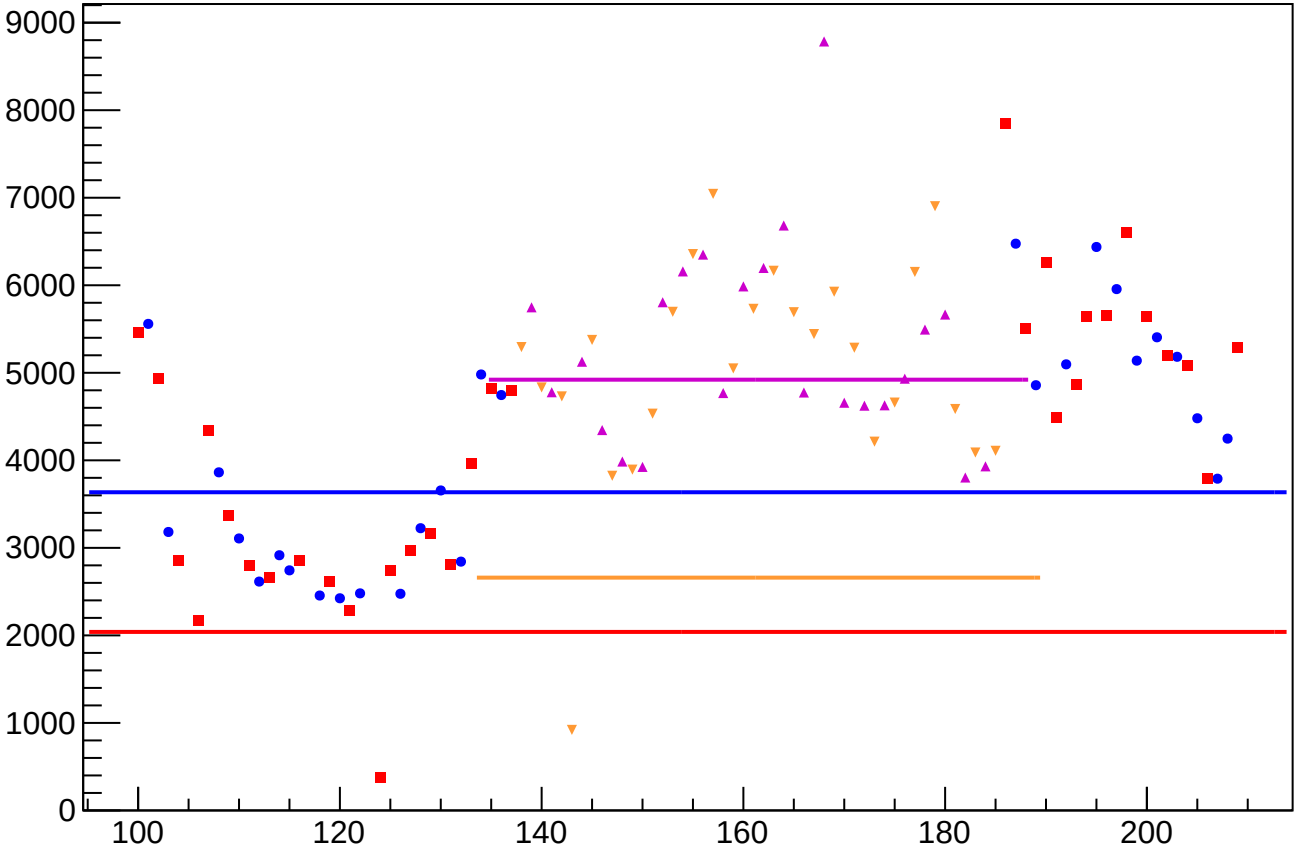
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -715.674+/-602.324 χ^2/NDF: 63.9/51

All: -458.429+/-418.628 χ^2/NDF: 125.3/106

- sign -218.046+/-582.247 χ^2/NDF: 61.0/54

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2039.688+/-0.474 χ^2/NDF: 15507552.8/31

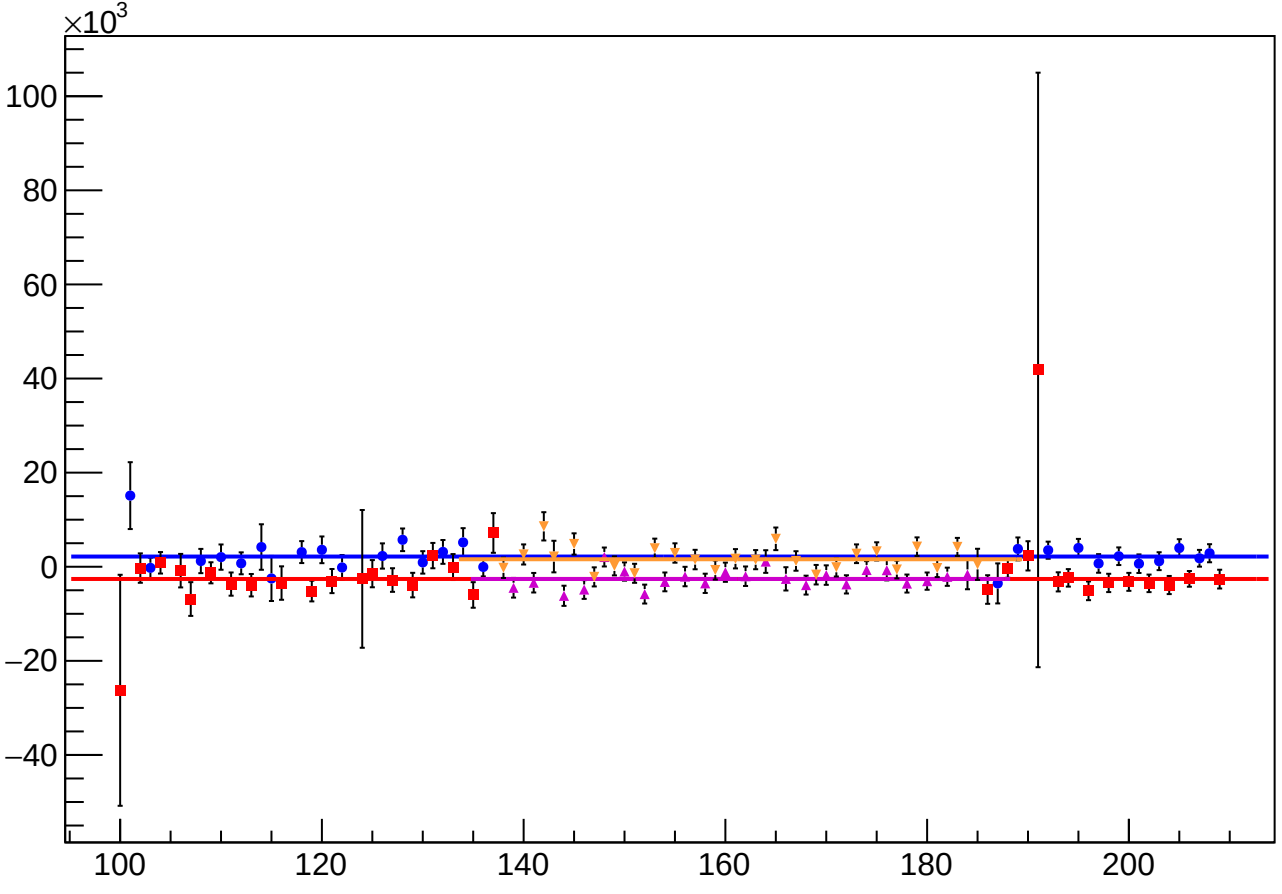
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3041.240+/-0.426 χ^2/NDF: 18656299.7/51

All: 2890.254+/-0.296 χ^2/NDF: 44749771.9/1

- sign 2749.166+/-0.412 χ^2/NDF: 25850363.3/54

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2598.411+/-434.749 χ^2/NDF: 26.8/31

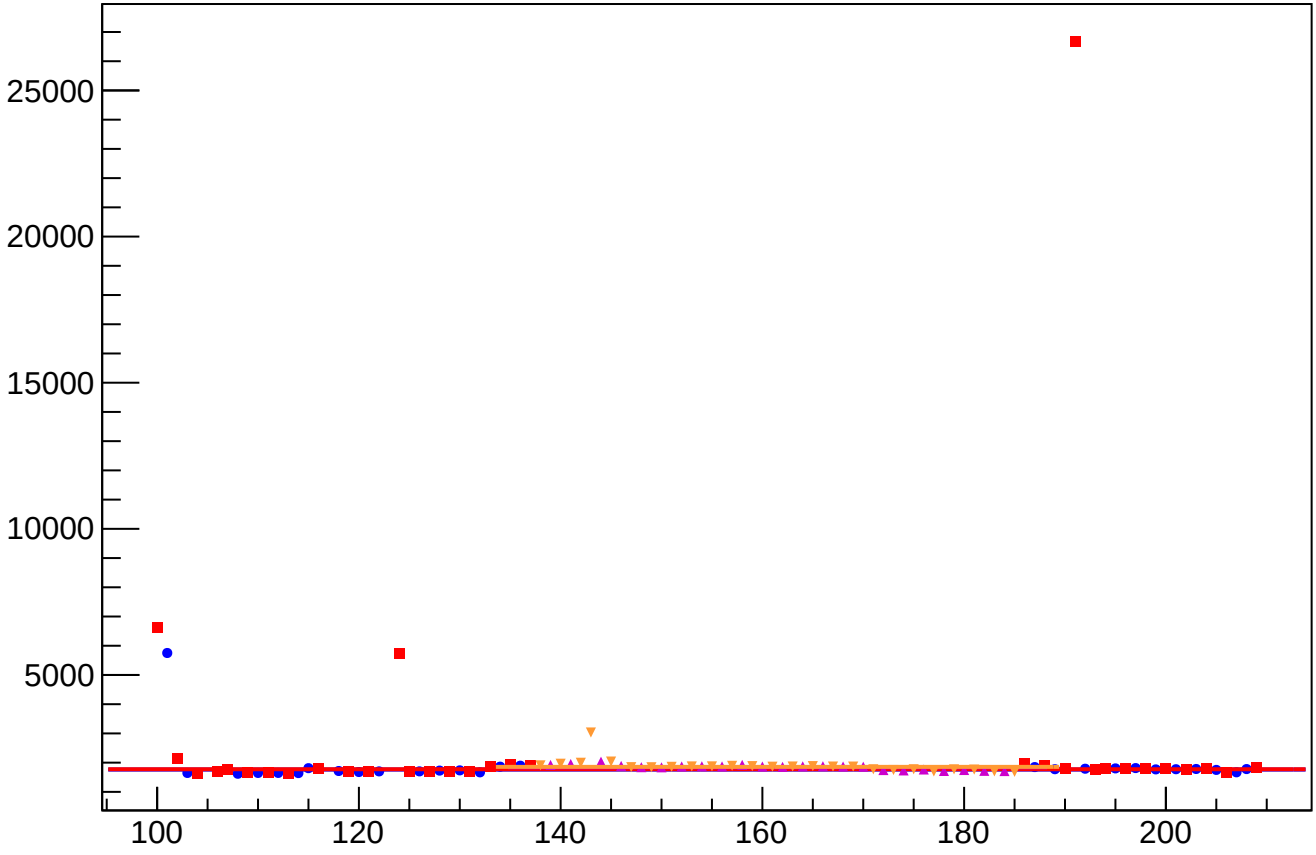
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1863.540+/-307.654 χ^2/NDF: 50.5/51

All: -380.573+/-216.895 χ^2/NDF: 203.2/106

- sign -2598.108+/-305.826 χ^2/NDF: 46.9/54

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.195+/-0.307 χ^2/NDF: 639124.3/31

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.552+/-0.218 χ^2/NDF: 1050994.2/51

All: 1809.702+/-0.153 χ^2/NDF: 1785129.6/10

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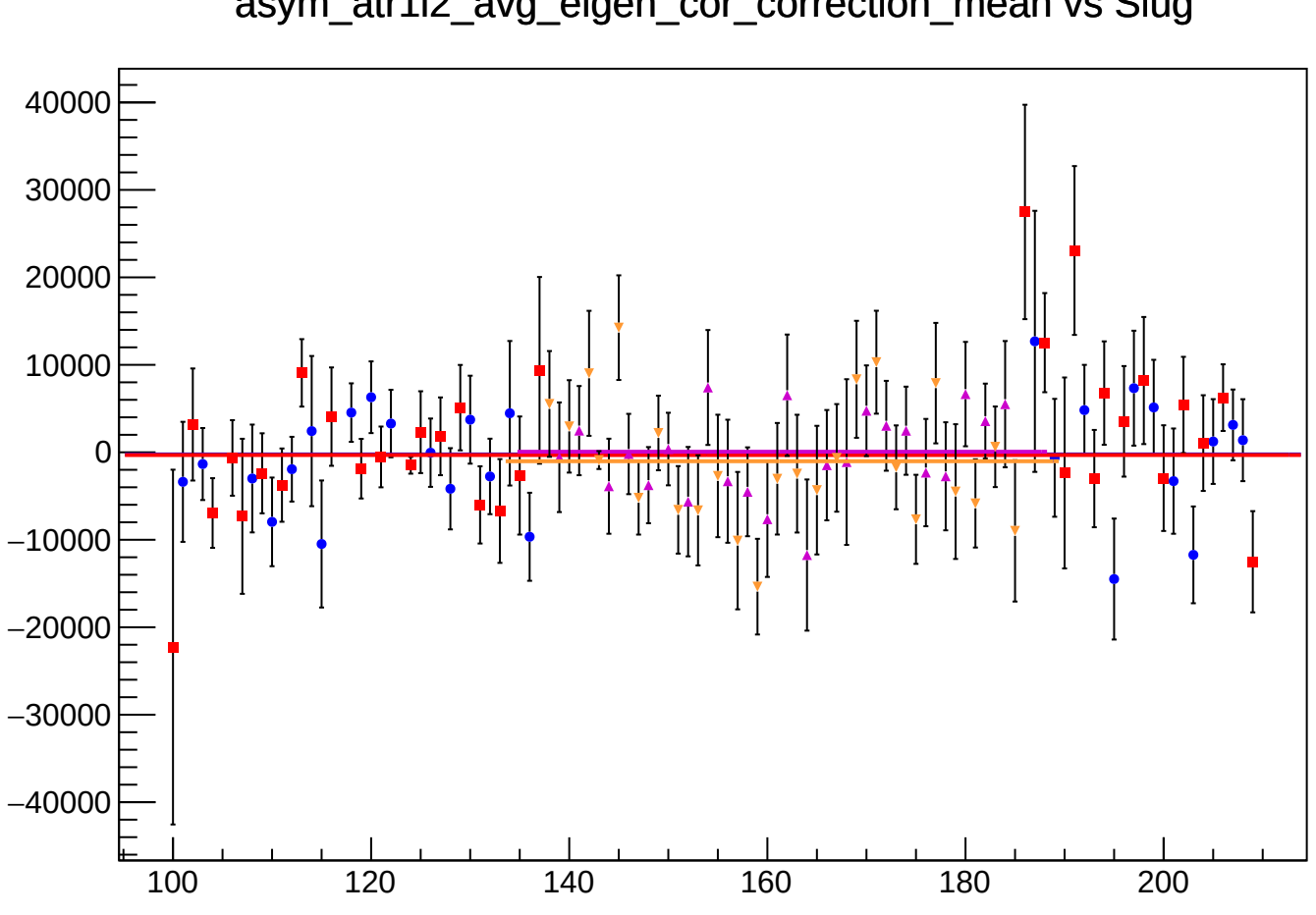


Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -309.610+/-670.627 χ^2/NDF: 47.9/31

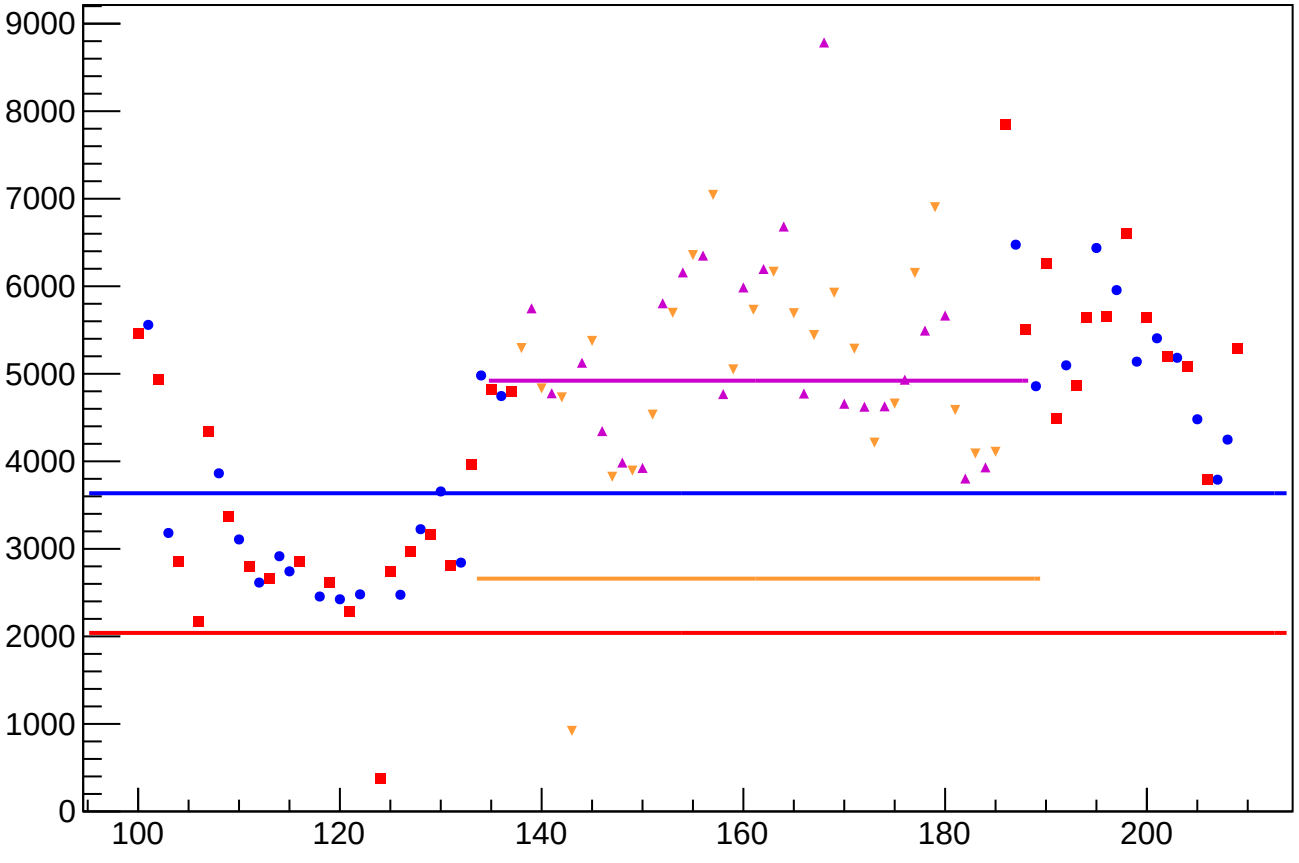
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -715.674+/-602.324 χ^2/NDF: 63.9/51

All: -458.429+/-418.628 χ^2/NDF: 125.3/106

- sign -218.046+/-582.247 χ^2/NDF: 61.0/54

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2039.688+/-0.474 χ^2/NDF: 15507552.8/31

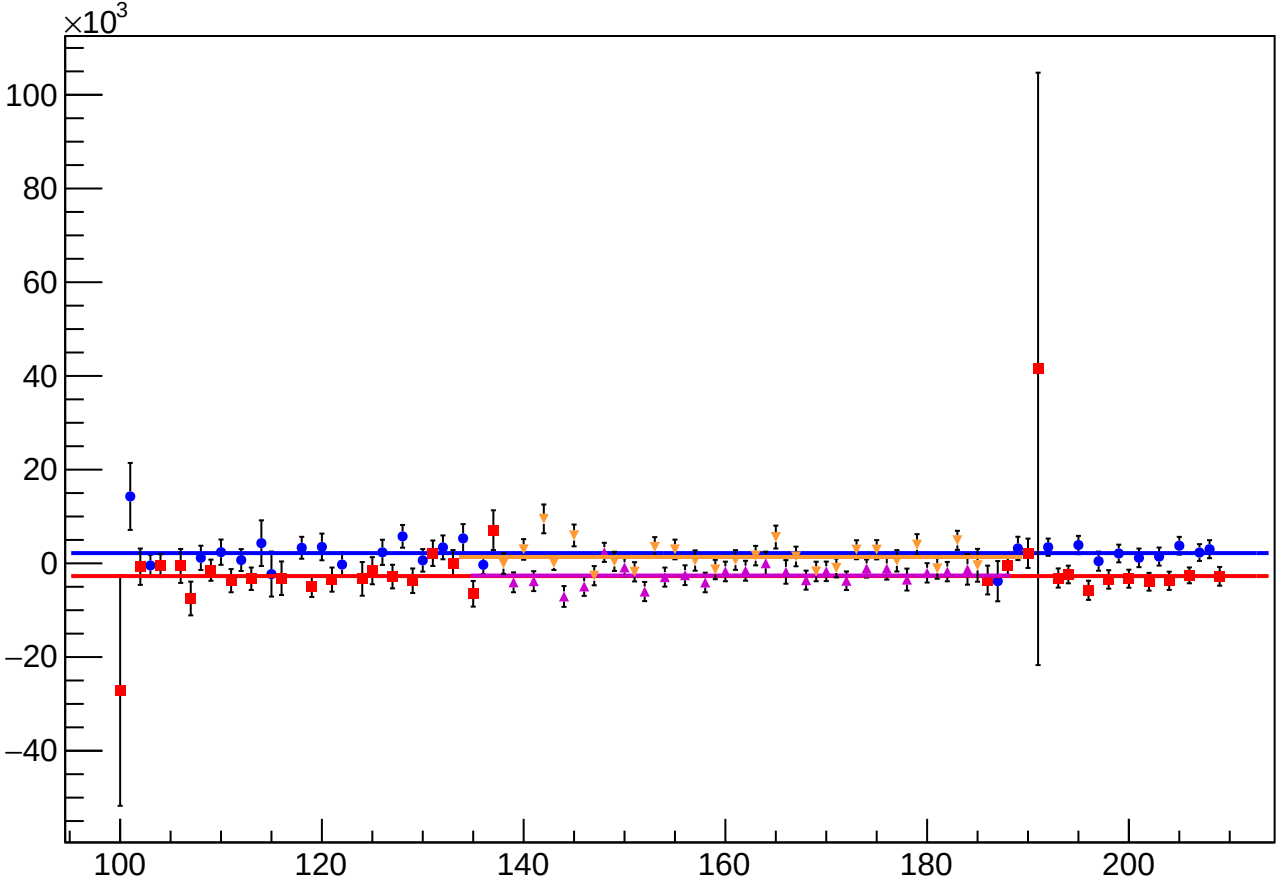
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3041.240+/-0.426 χ^2/NDF: 18656299.7/51

All: 2890.254+/-0.296 χ^2/NDF: 44749771.9/1

- sign 2749.166+/-0.412 χ^2/NDF: 25850363.3/54

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2188.444+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2715.972+/-437.937 χ^2/NDF: 25.1/31

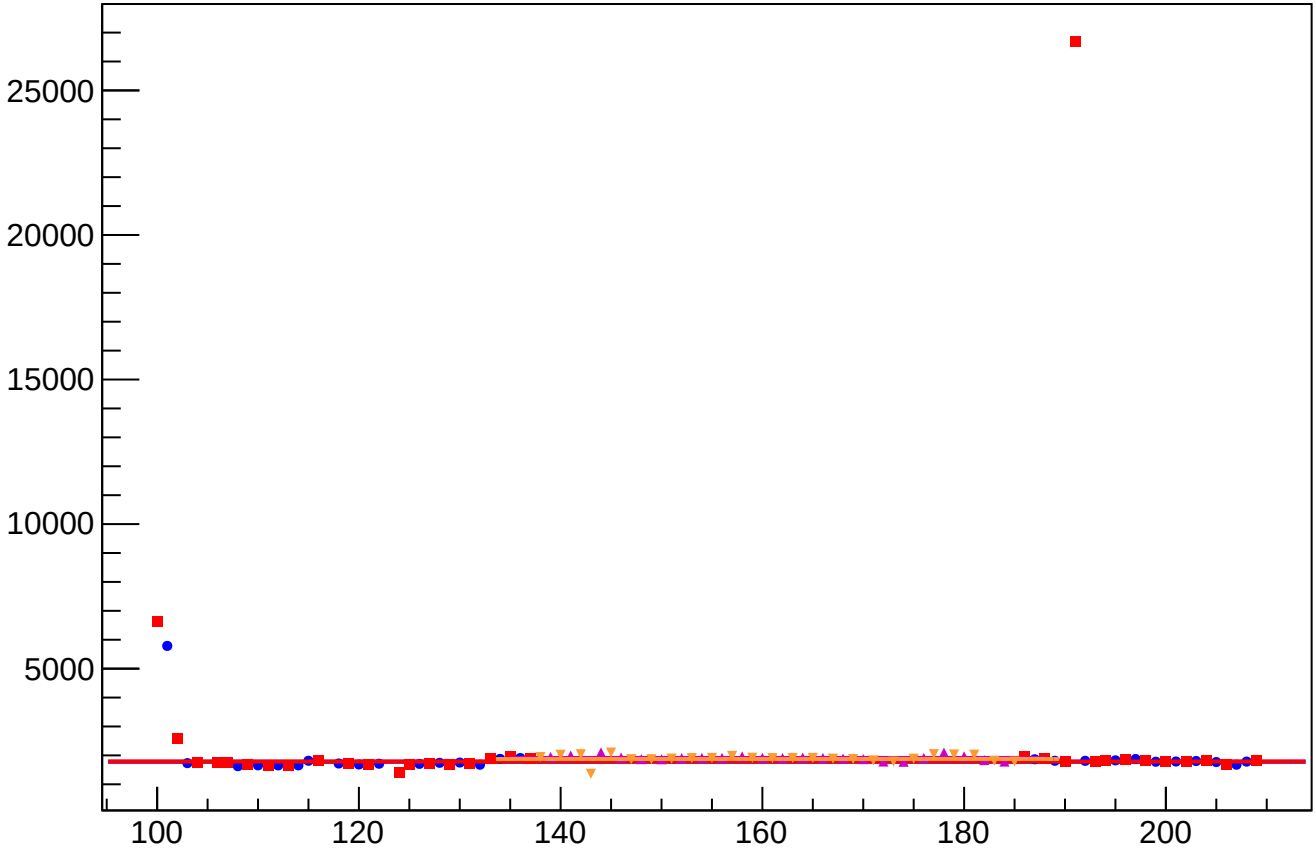
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1752.348+/-310.775 χ^2/NDF: 55.8/51

All: -440.222+/-220.441 χ^2/NDF: 201.1/106

- sign -2660.529+/-312.735 χ^2/NDF: 45.2/54

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1787.627+/-0.309 χ^2/NDF: 562226.6/31

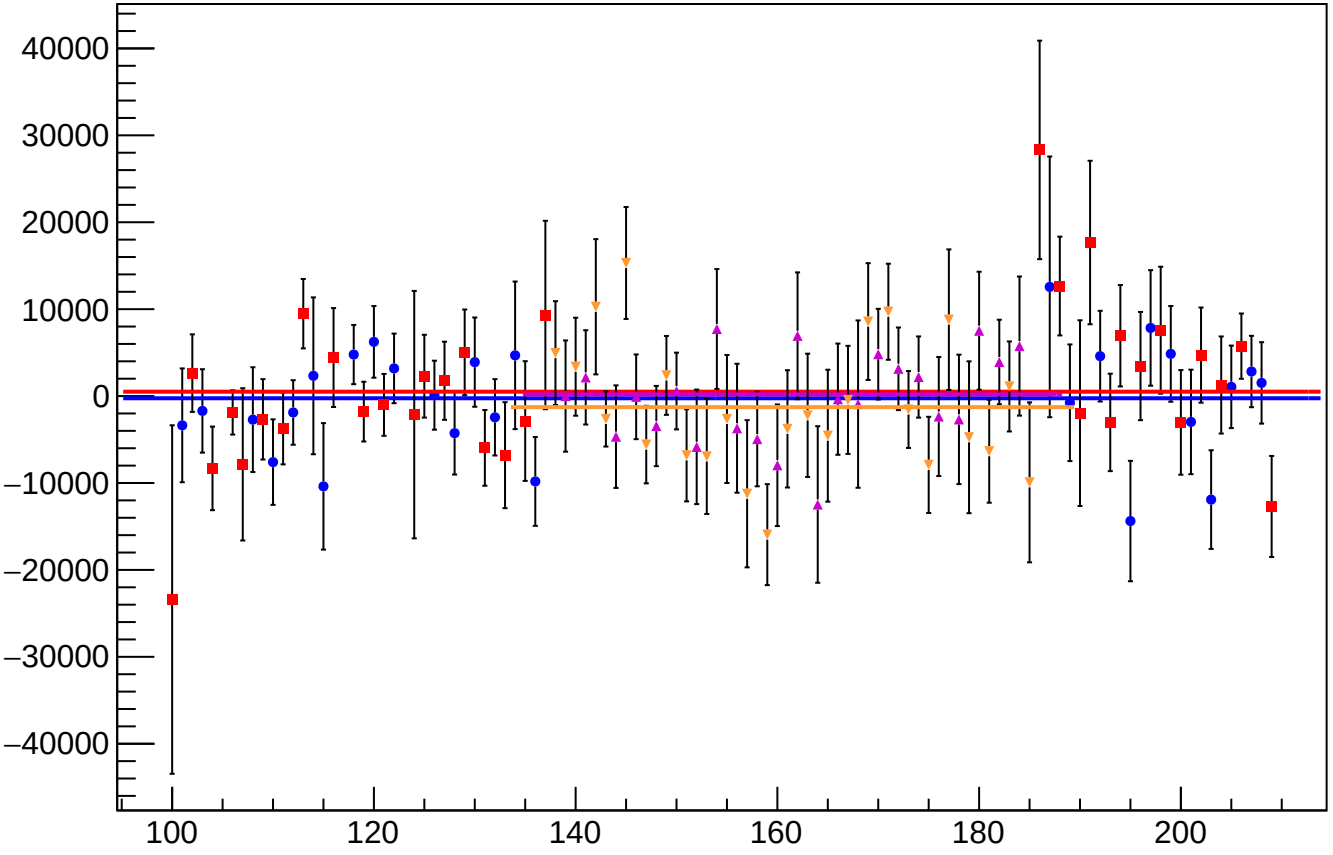
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1829.812+/-0.220 χ^2/NDF: 1035651.6/51

All: 1838.964+/-0.156 χ^2/NDF: 1738915.1/10

- sign 1848.220+/-0.221 χ^2/NDF: 699774.9/54

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -251.257+/-978.674 χ^2/NDF: 29.1/26

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 506.904+/-901.347 χ^2/NDF: 43.8/31

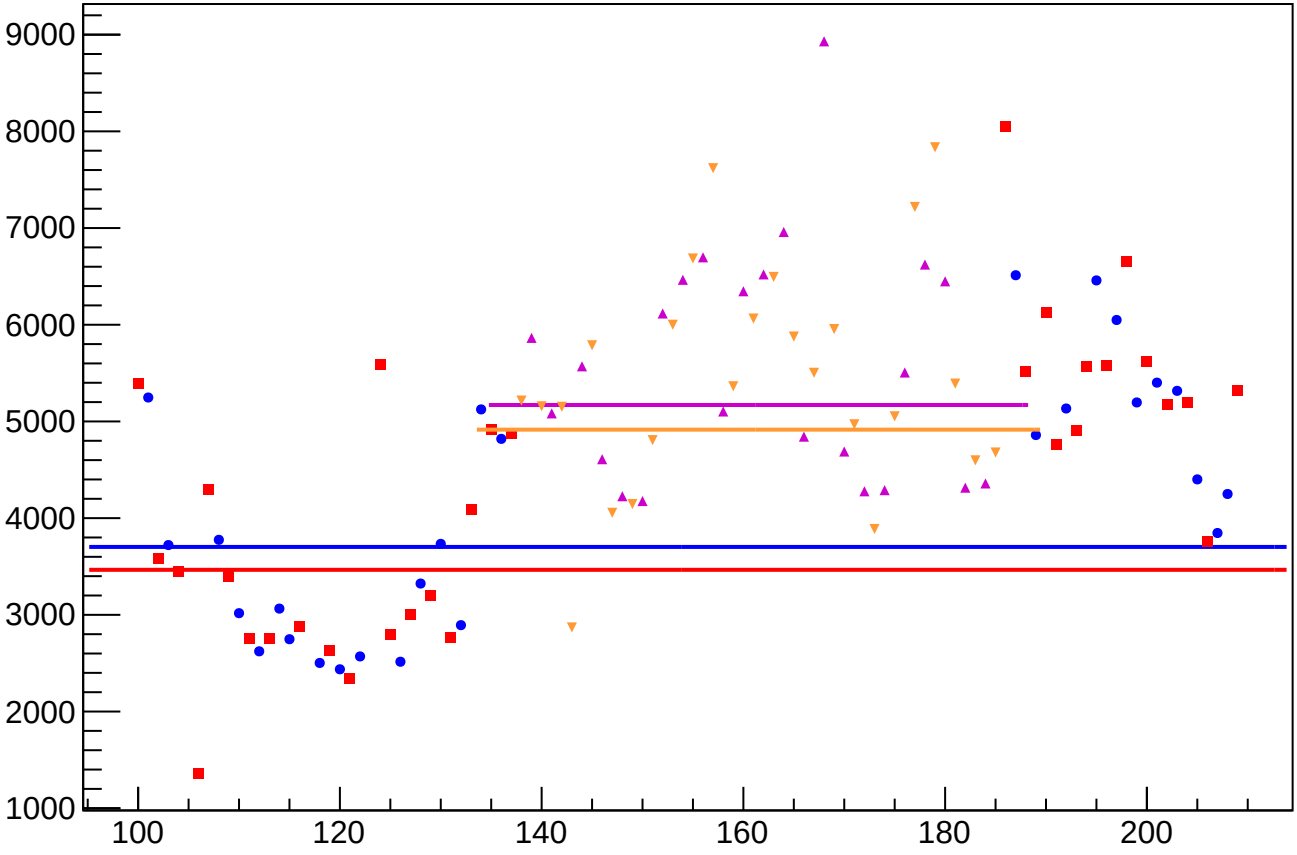
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -676.425+/-746.976 χ^2/NDF: 63.0/51

All: -124.795+/-521.342 χ^2/NDF: 120.6/106

- sign 399.119+/-727.968 χ^2/NDF: 56.6/54

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3702.347+/-0.692 χ^2/NDF: 2759821.9/26

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3465.656+/-0.637 χ^2/NDF: 4721476.9/31

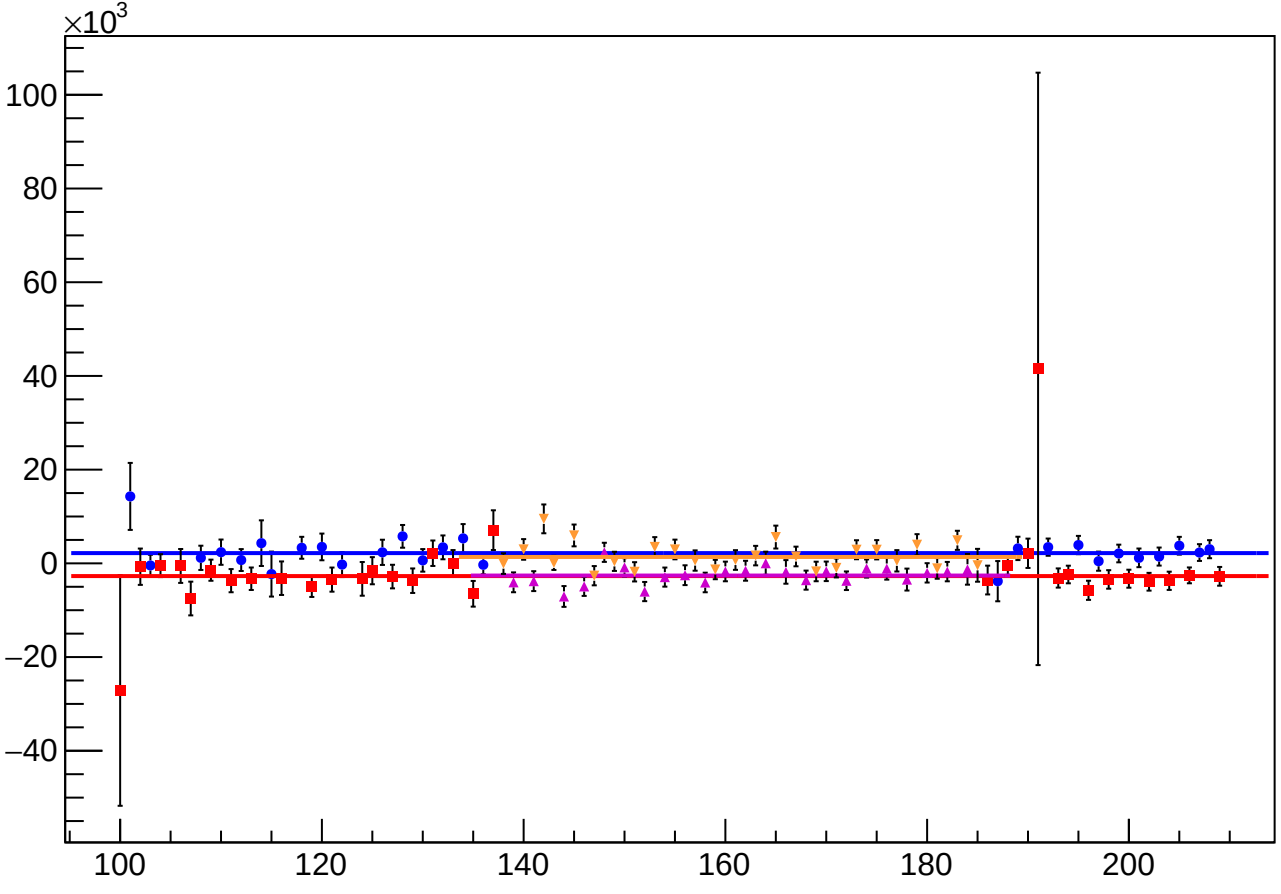
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4208.664+/-0.528 χ^2/NDF: 6208383.9/51

All: 4131.535+/-0.369 χ^2/NDF: 14806661.3/1

- sign 4058.282+/-0.515 χ^2/NDF: 8556702.5/54

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2188.445+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2715.970+/-437.937 χ^2/NDF: 25.1/31

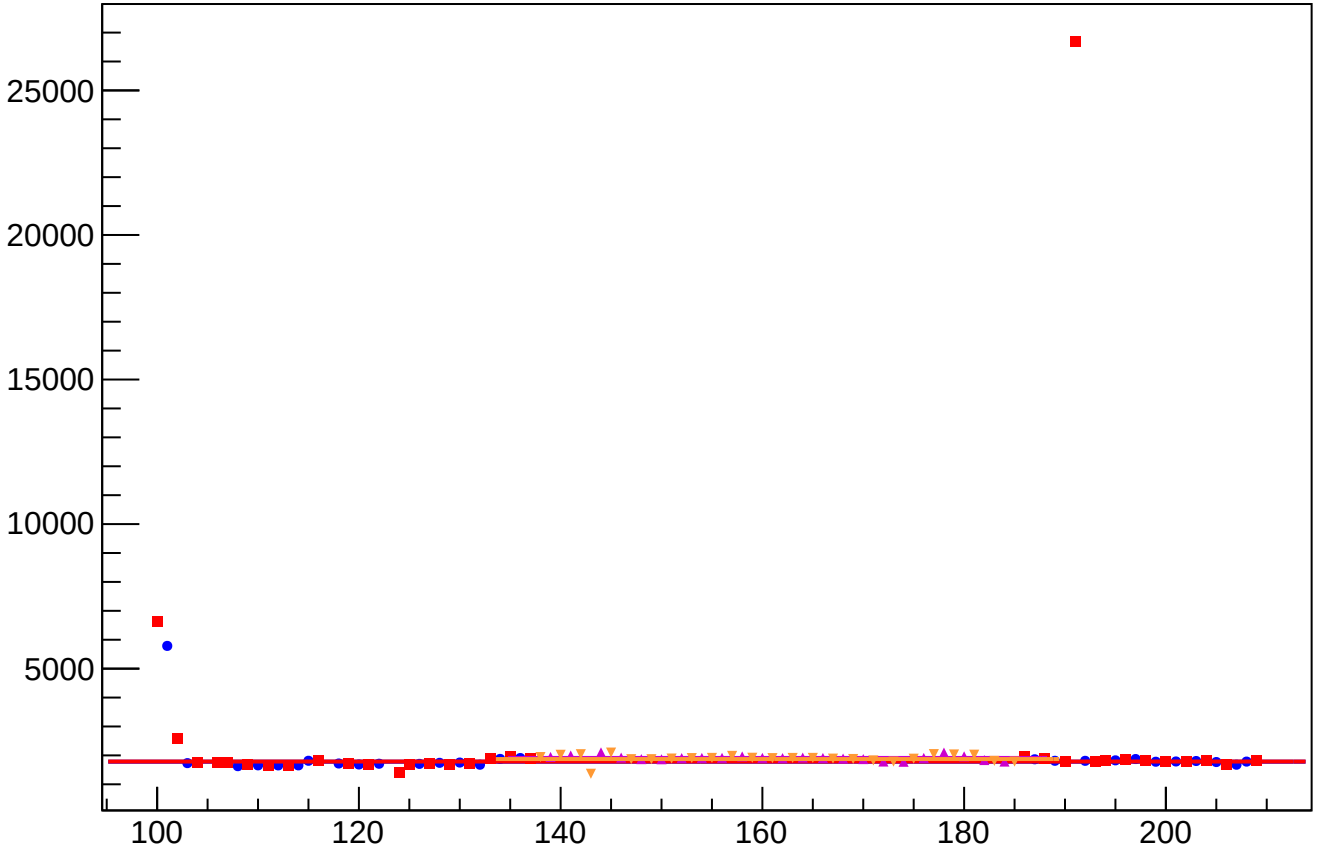
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1752.347+/-310.775 χ^2/NDF: 55.8/51

All: -440.222+/-220.441 χ^2/NDF: 201.1/106

- sign -2660.528+/-312.735 χ^2/NDF: 45.2/54

eigen_dit_asym_atr1l2_avg_rms vs Slug



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Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1787.627+/-0.309 χ^2/NDF: 562226.8/31

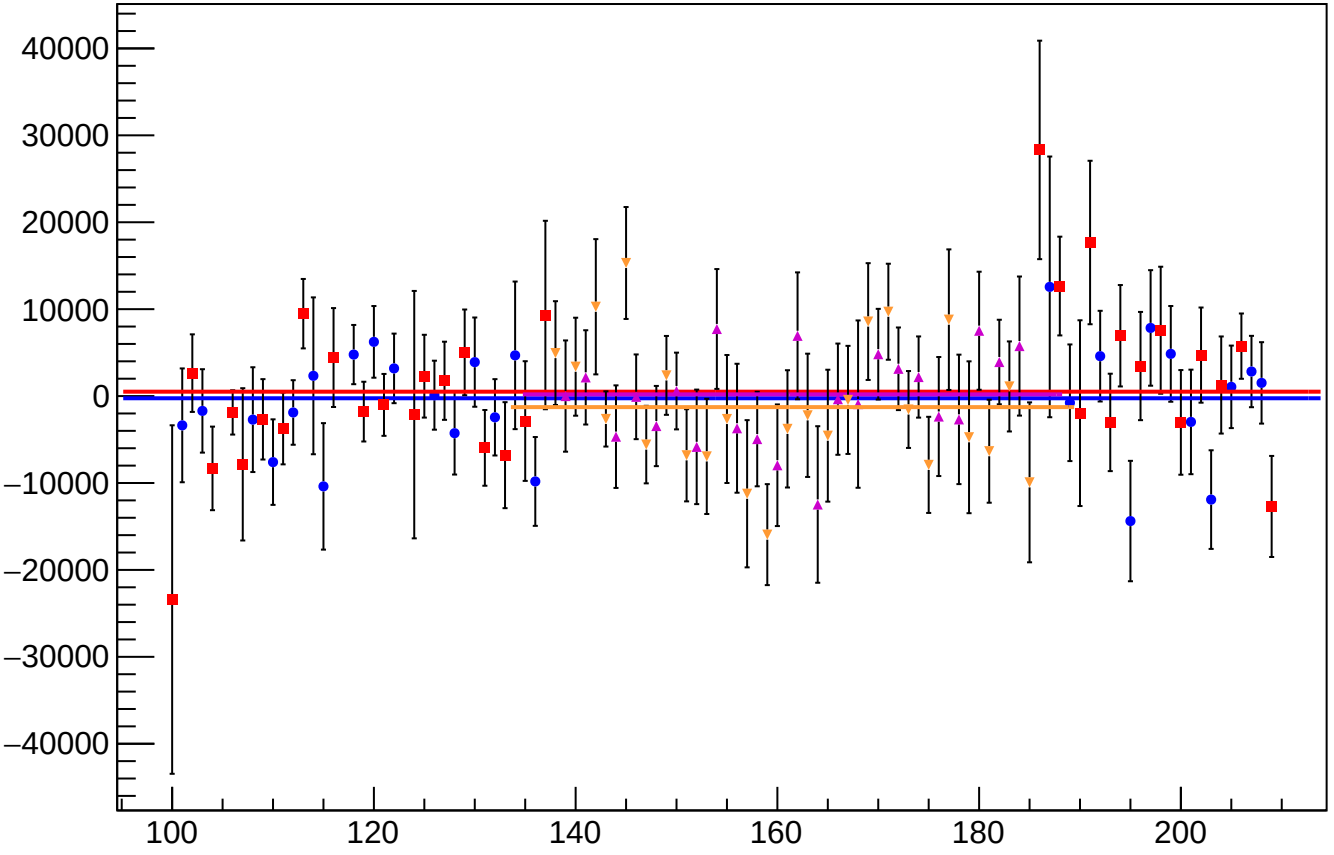
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1829.813+/-0.220 χ^2/NDF: 1035656.0/51

All: 1838.965+/-0.156 χ^2/NDF: 1738923.3/10

- sign 1848.221+/-0.221 χ^2/NDF: 699778.7/54

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -251.253+/-978.672 χ^2/NDF: 29.1/26

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 506.895+/-901.345 χ^2/NDF: 43.8/31

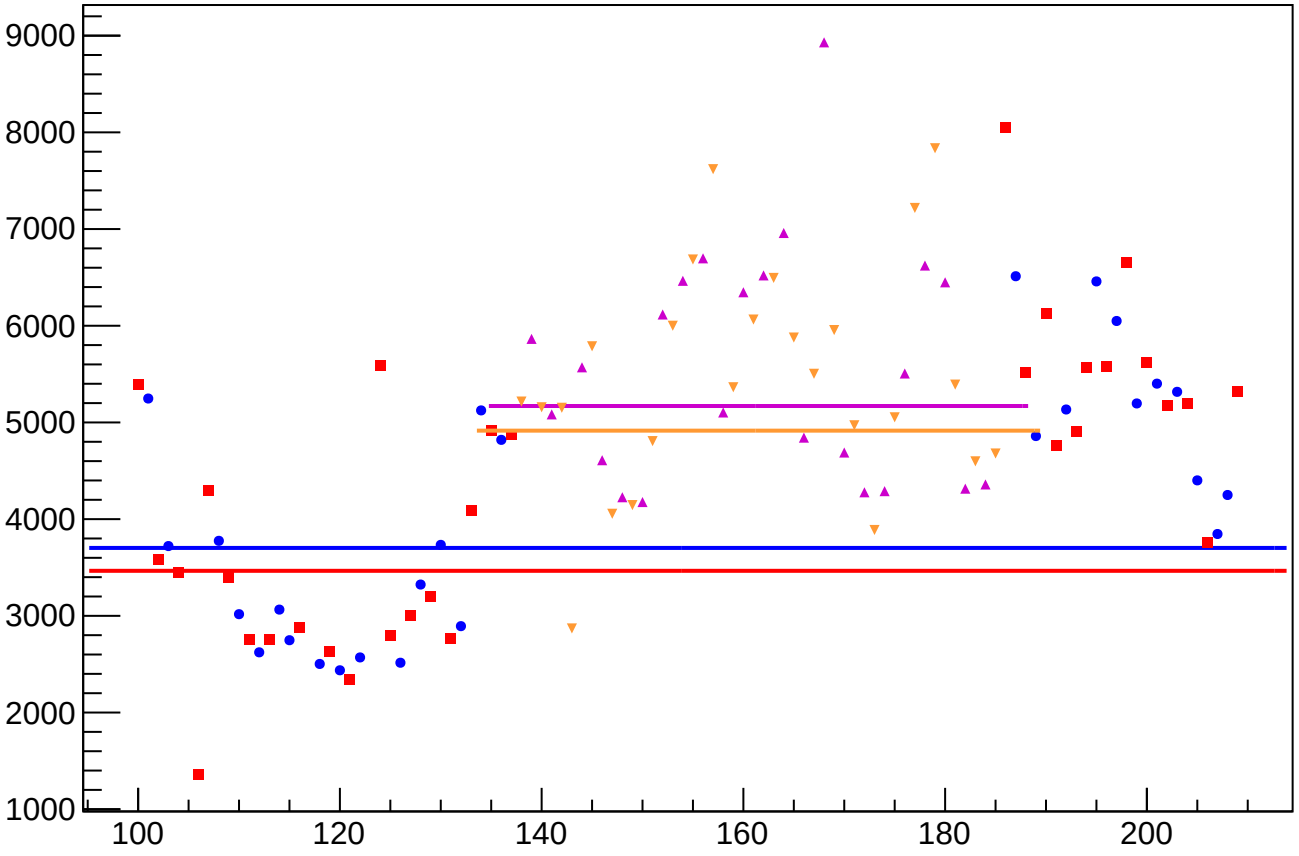
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -676.424+/-746.976 χ^2/NDF: 63.0/51

All: -124.797+/-521.341 χ^2/NDF: 120.6/106

- sign 399.114+/-727.968 χ^2/NDF: 56.6/54

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3702.339+/-0.692 χ^2/NDF: 2759865.4/26

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3465.644+/-0.637 χ^2/NDF: 4721543.3/31

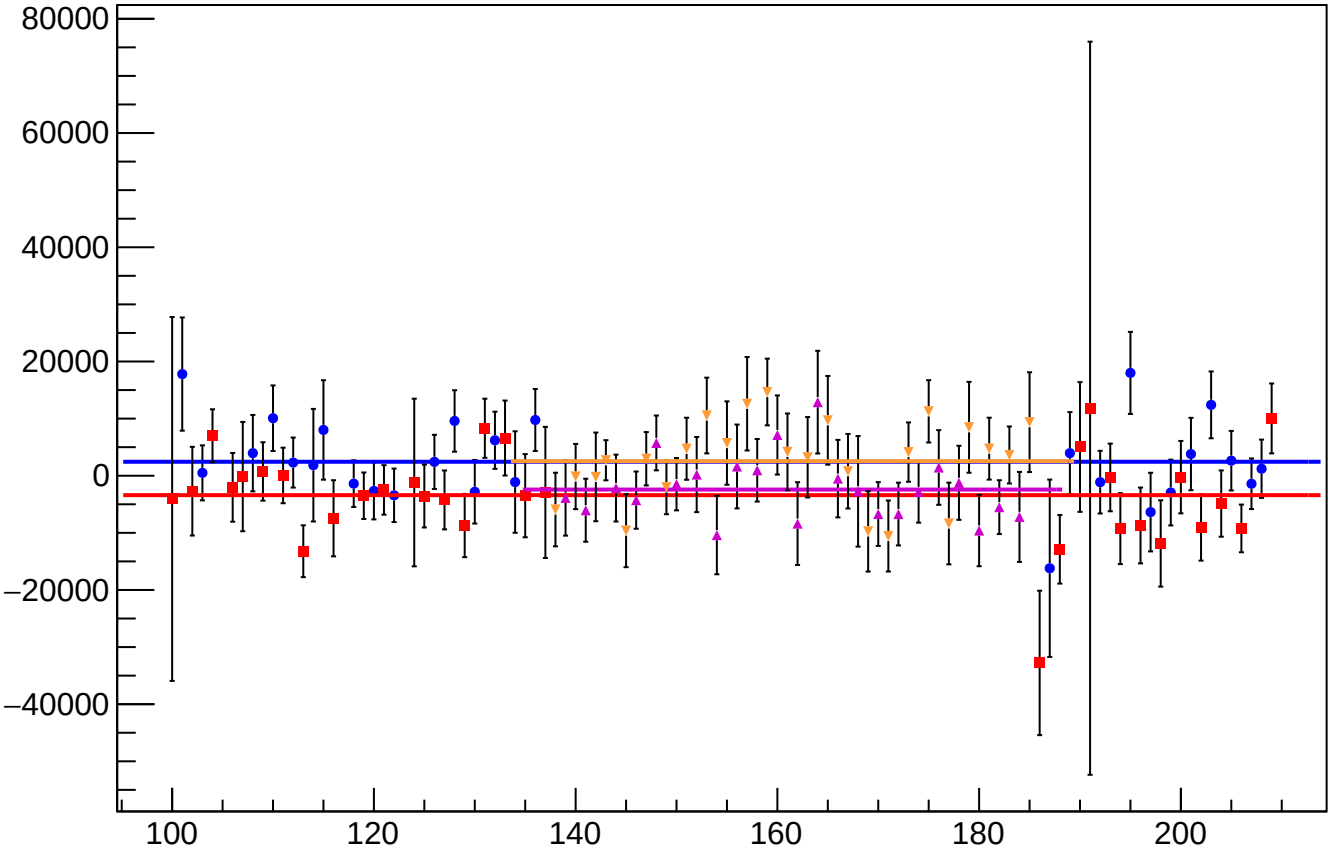
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4208.661+/-0.528 χ^2/NDF: 6208463.2/51

All: 4131.529+/-0.369 χ^2/NDF: 14806866.7/1

- sign 4058.274+/-0.515 χ^2/NDF: 8556826.1/54

asym_atr1l2_avg_mean vs Slug



Right In: 2445.105+/-1095.760 χ^2/NDF: 26.4/26

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3400.560+/-1073.522 χ^2/NDF: 39.5/31

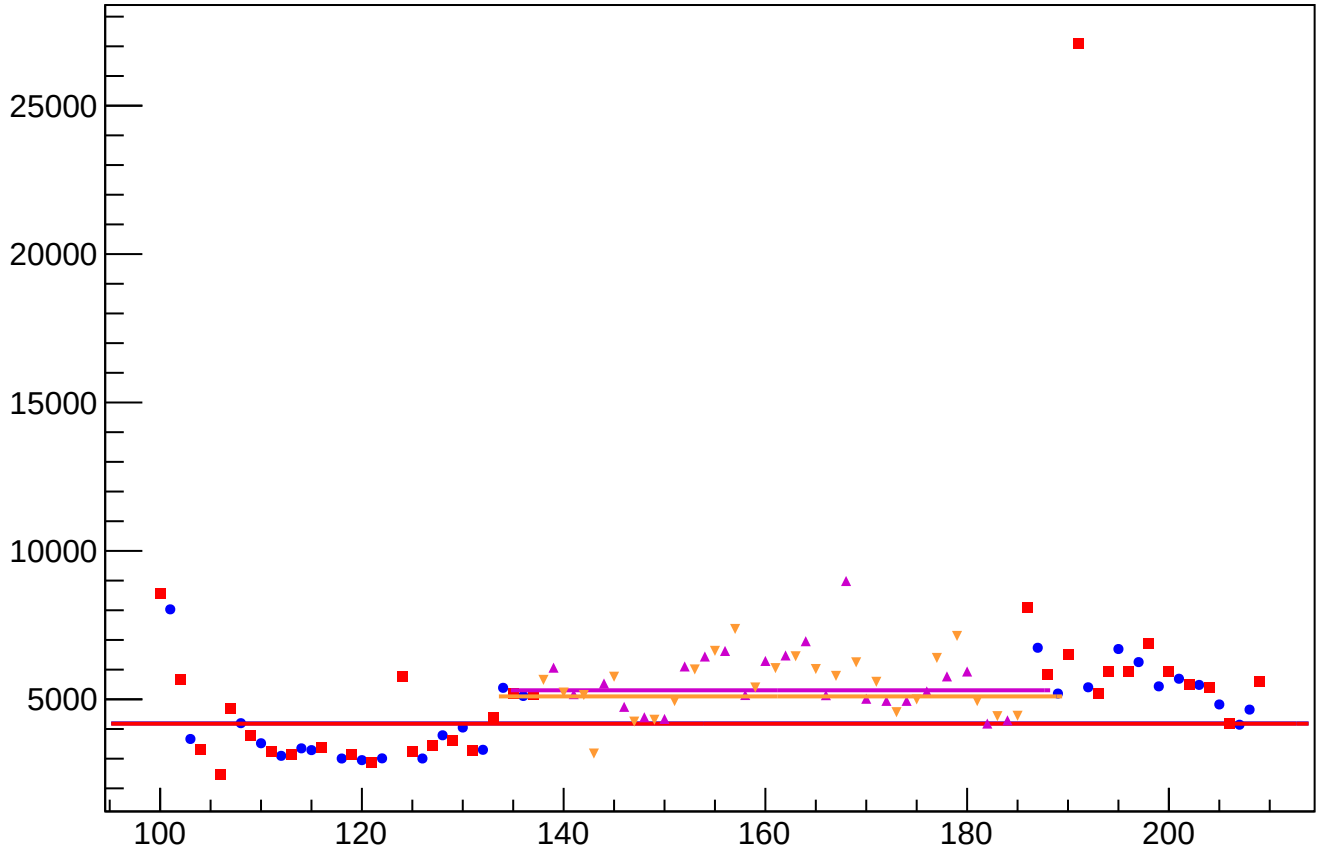
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2491.991+/-805.354 χ^2/NDF: 55.4/51

All: -209.111+/-573.564 χ^2/NDF: 133.1/106

- sign -2989.279+/-817.056 χ^2/NDF: 54.8/54

asym_atr1l2_avg_rms vs Slug



Right In: 4187.745+/-0.775 χ^2/NDF: 2189413.9/26

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

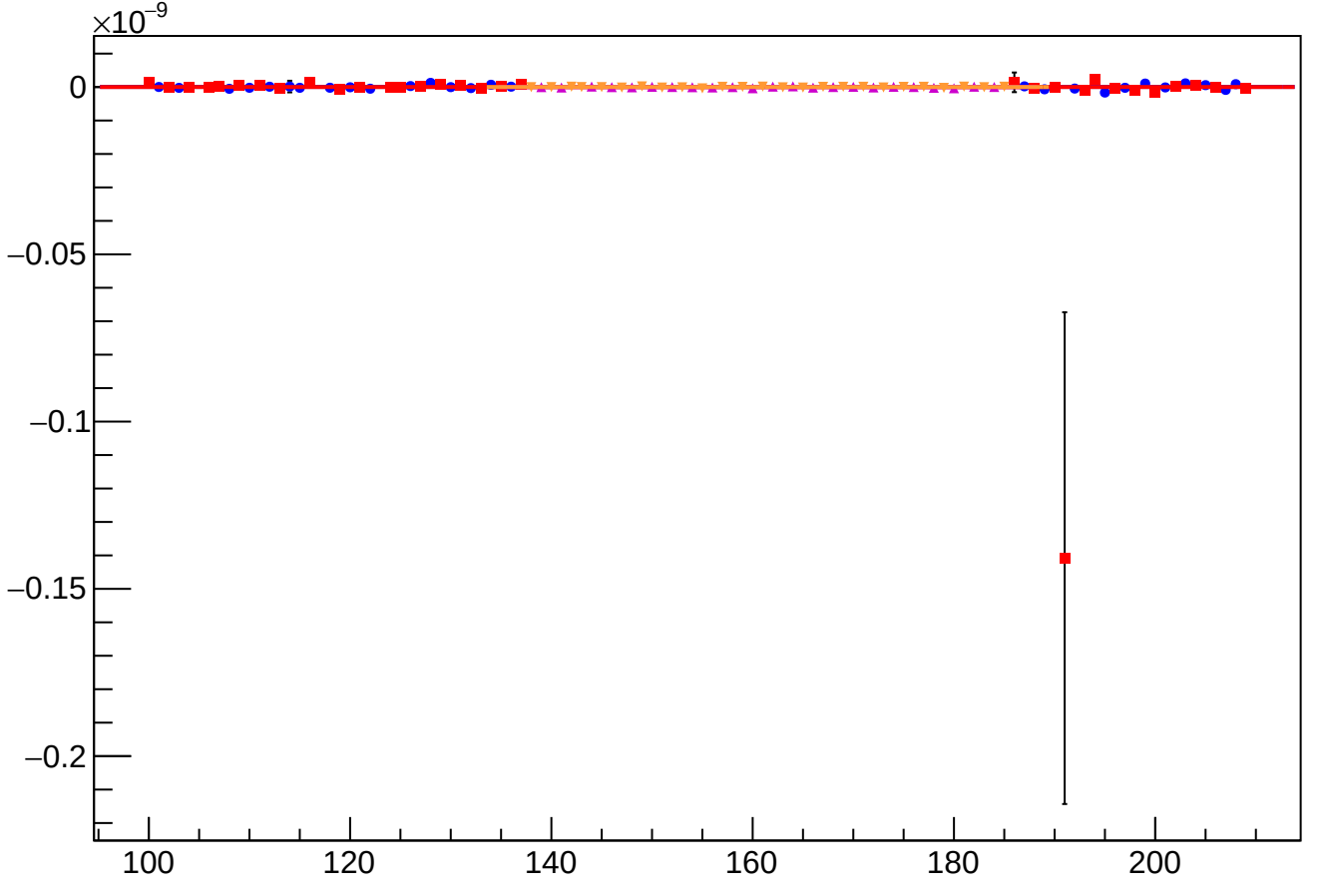
Right Out: 4178.721+/-0.752 χ^2/NDF: 3006064.8/31

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4606.291+/-0.569 χ^2/NDF: 4368406.1/51

All: 4626.353+/-0.404 χ^2/NDF: 9327535.1/10

- sign 4646.764+/-0.574 χ^2/NDF: 4956625.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

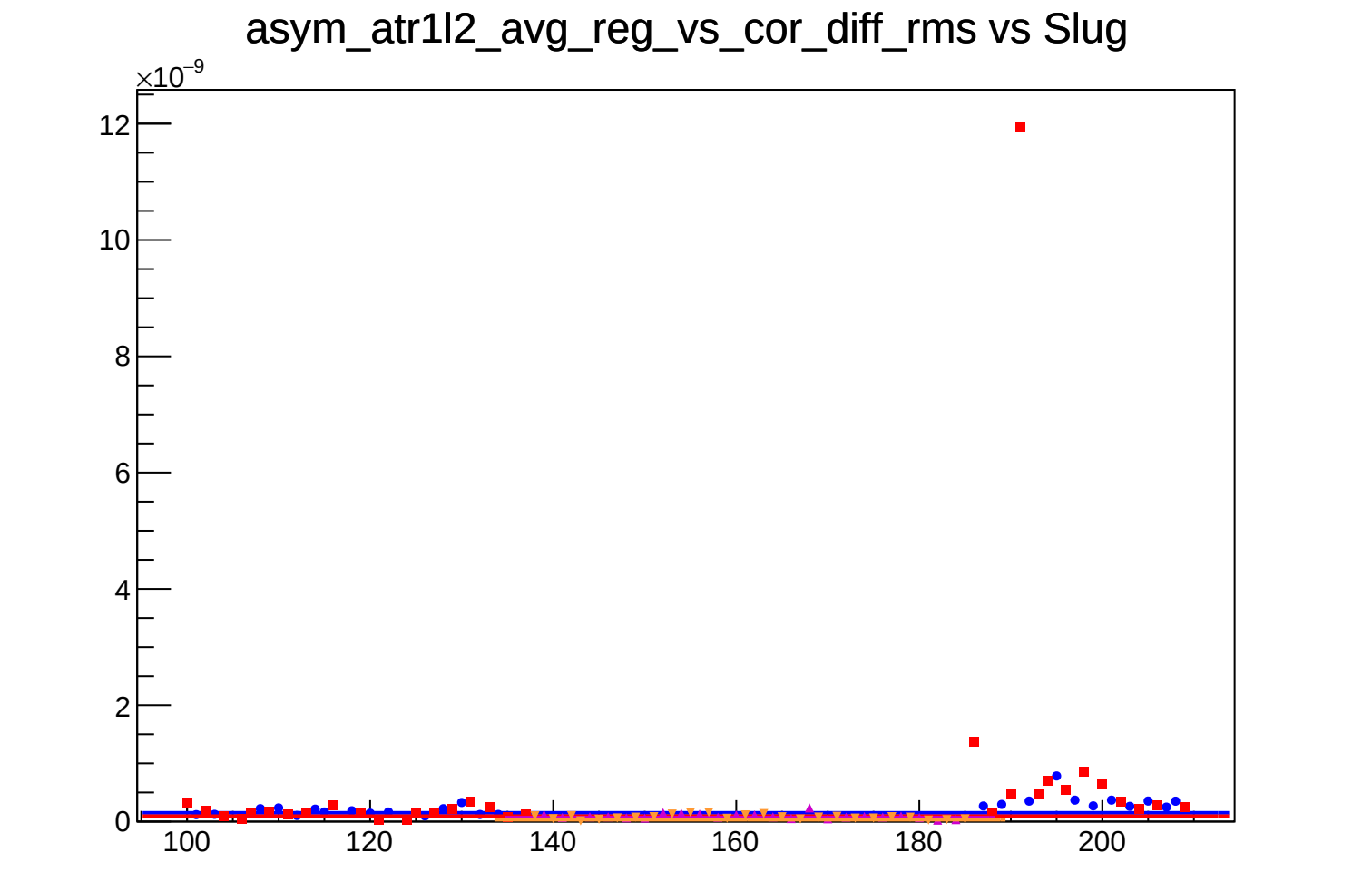
Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/31

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/51

All: 0.000+/-0.000 χ^2/NDF: 116.0/106

- sign 0.000+/-0.000 χ^2/NDF: 64.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 3014782.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7310523.2/31

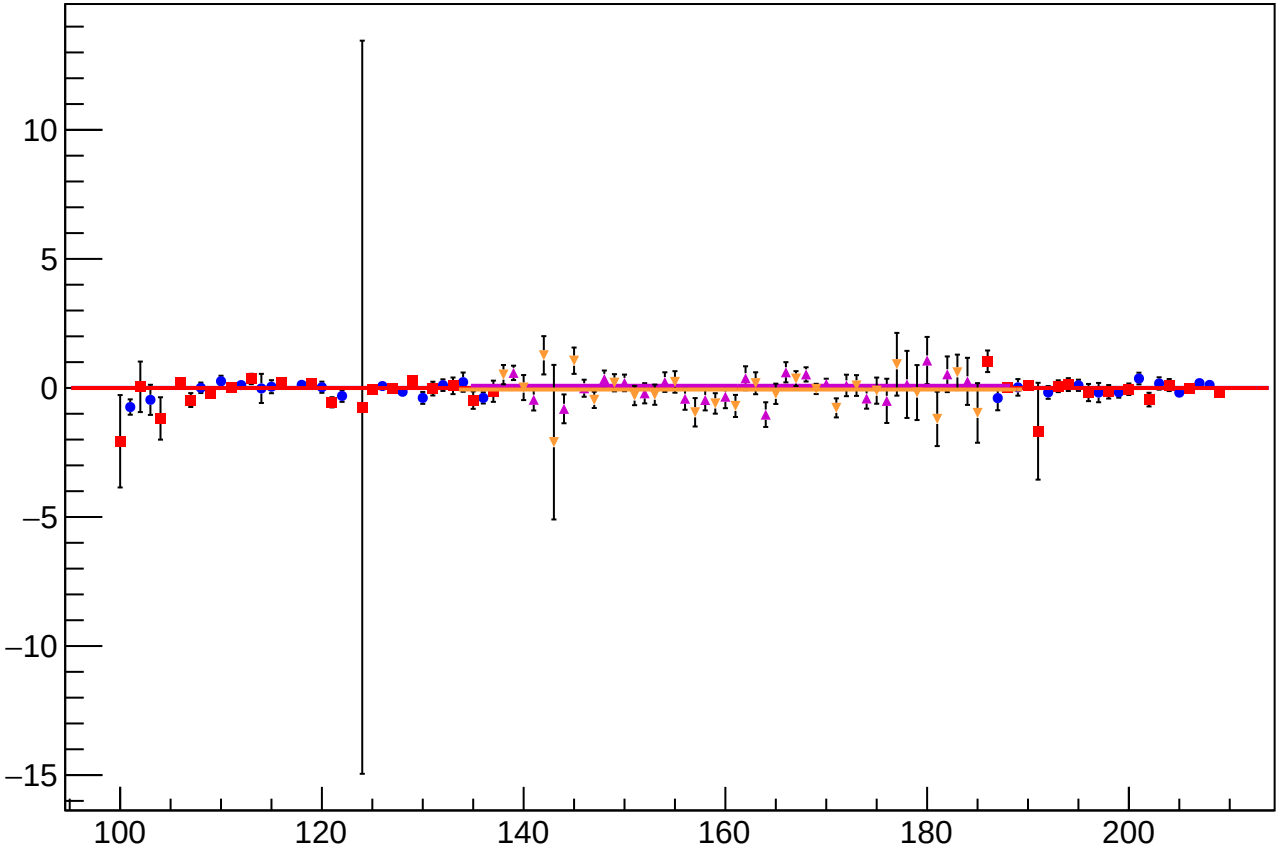
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14830745.1/51

All: 0.000+/-0.000 χ^2/NDF: 27575795.9/106

- sign 0.000+/-0.000 χ^2/NDF: 10159990.2/54

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.003+/-0.038 χ^2/NDF: 41.1/31

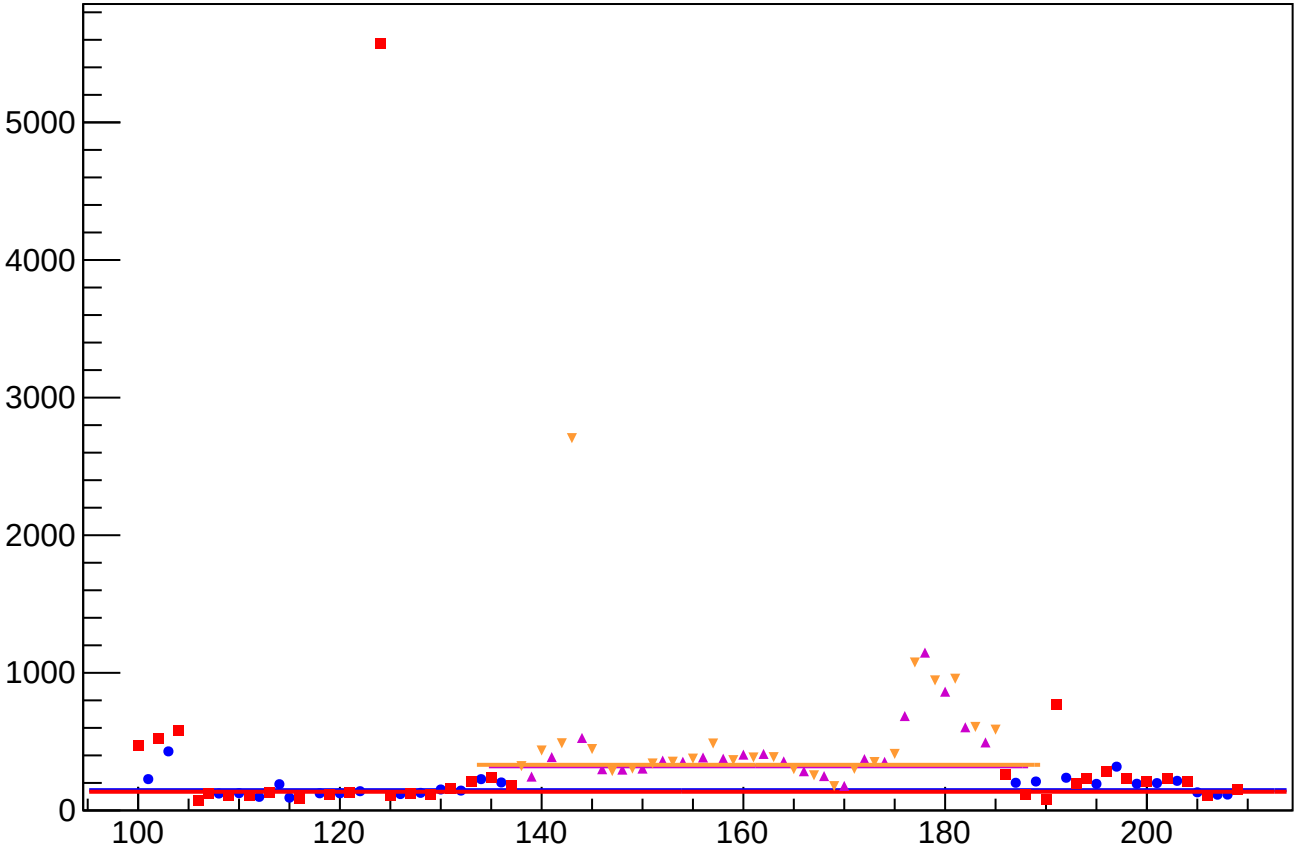
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.002+/-0.025 χ^2/NDF: 128.6/106

- sign 0.012+/-0.034 χ^2/NDF: 69.1/54

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.876+/-0.027 χ^2/NDF: 4922746.9/31

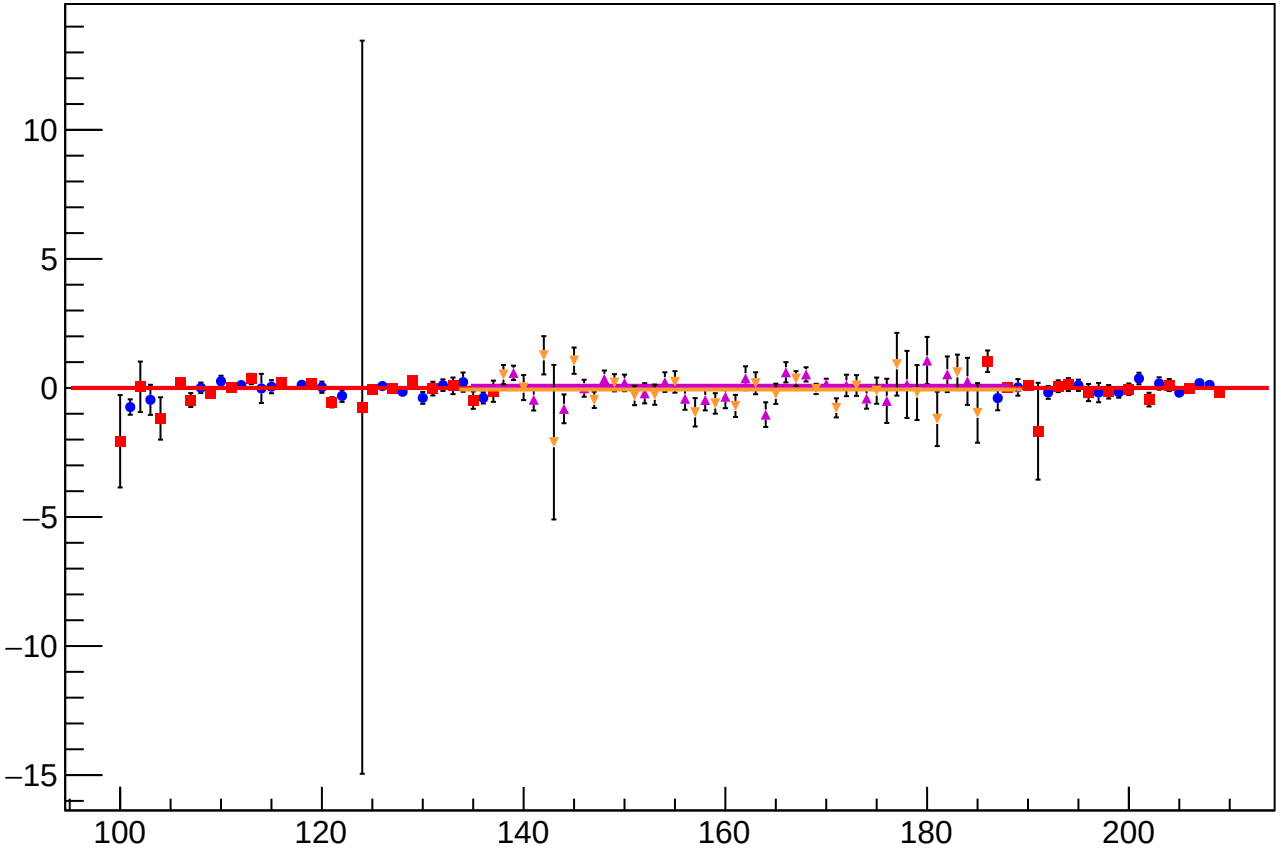
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 182.957+/-0.026 χ^2/NDF: 16500975.3/51

All: 175.249+/-0.018 χ^2/NDF: 34379932.3/10

- sign 168.589+/-0.024 χ^2/NDF: 17714705.8/54

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.003+/-0.038 χ^2/NDF: 41.1/31

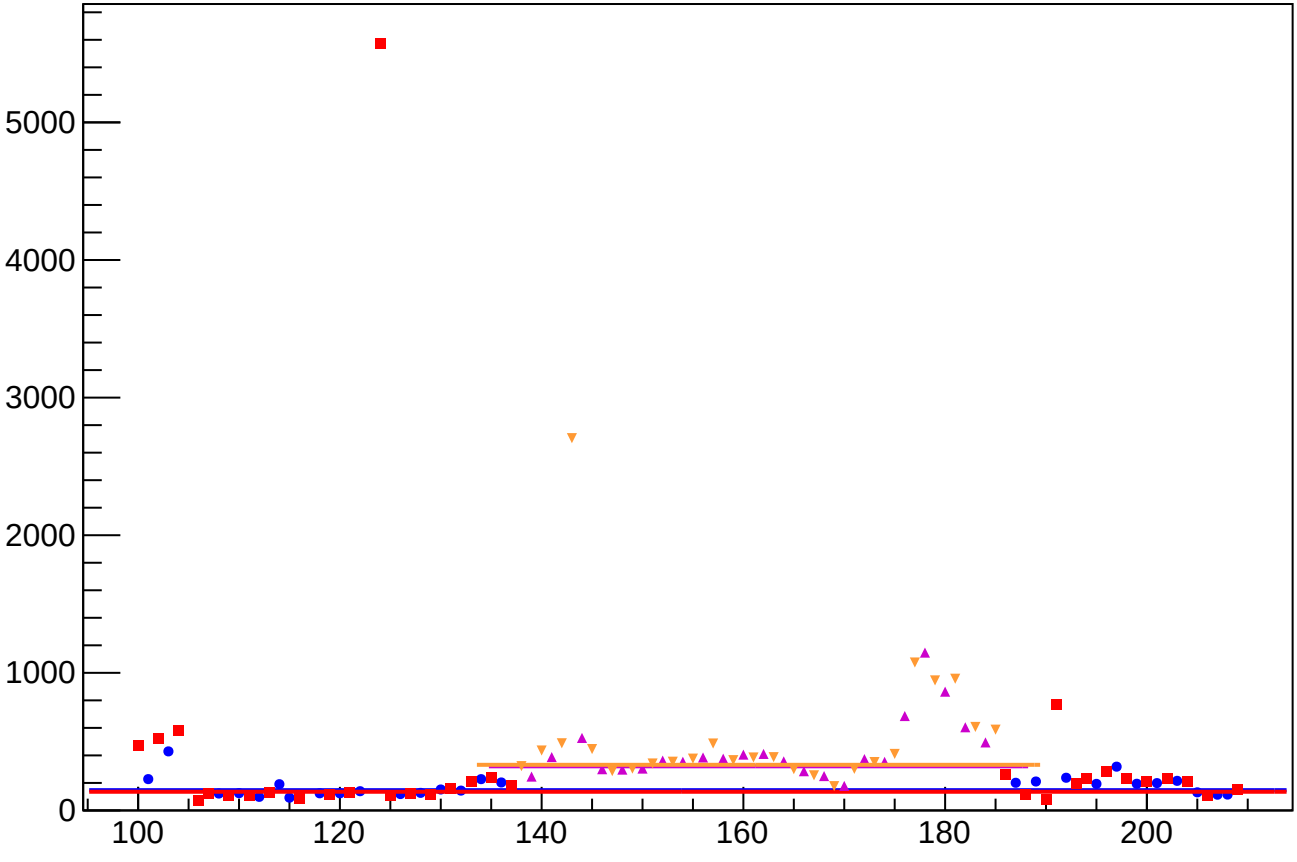
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.002+/-0.025 χ^2/NDF: 128.6/106

- sign 0.012+/-0.034 χ^2/NDF: 69.1/54

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

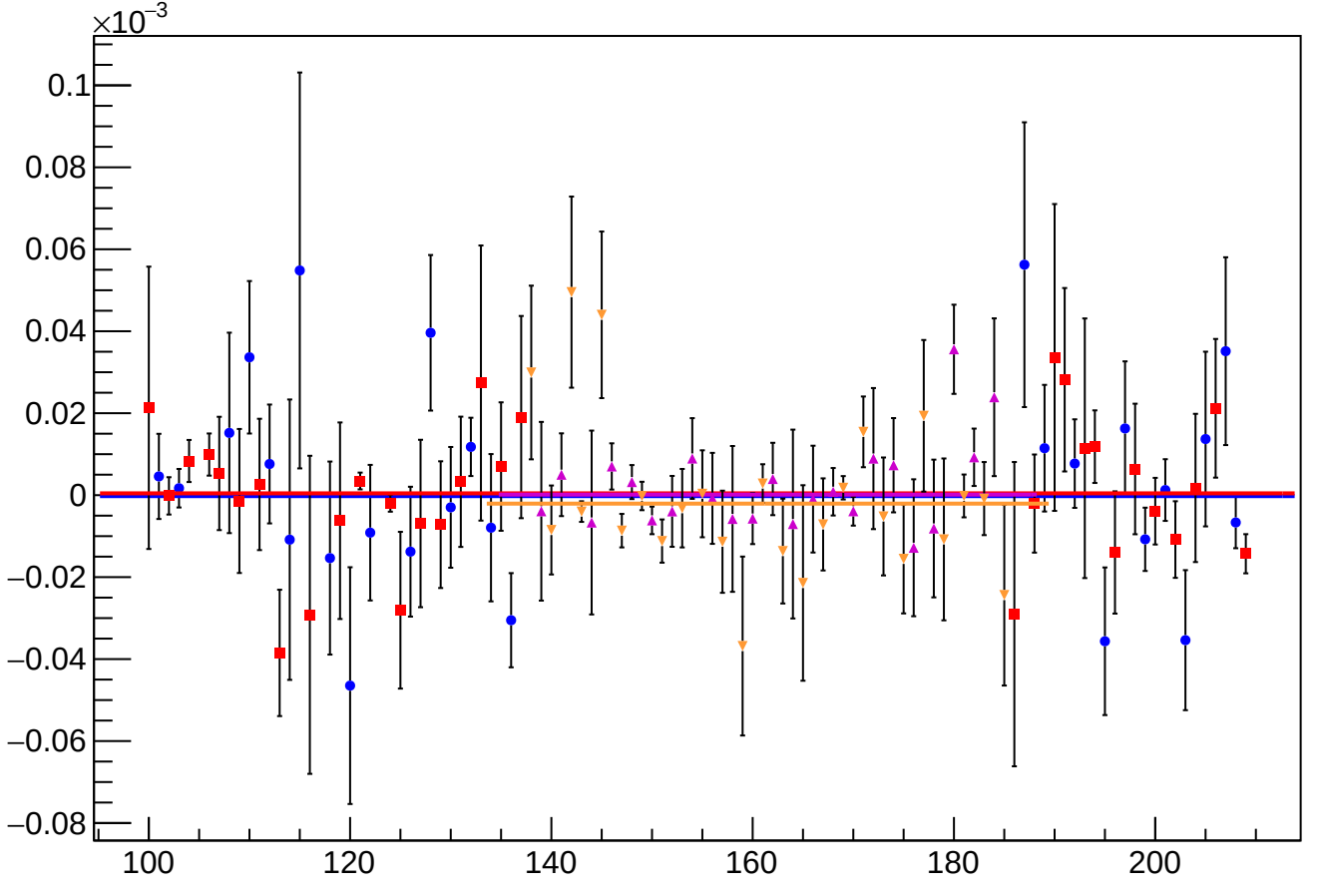
Right Out: 135.876+/-0.027 χ^2/NDF: 4922746.9/31

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 182.957+/-0.026 χ^2/NDF: 16500975.3/51

All: 175.249+/-0.018 χ^2/NDF: 34379932.3/10

- sign 168.589+/-0.024 χ^2/NDF: 17714705.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

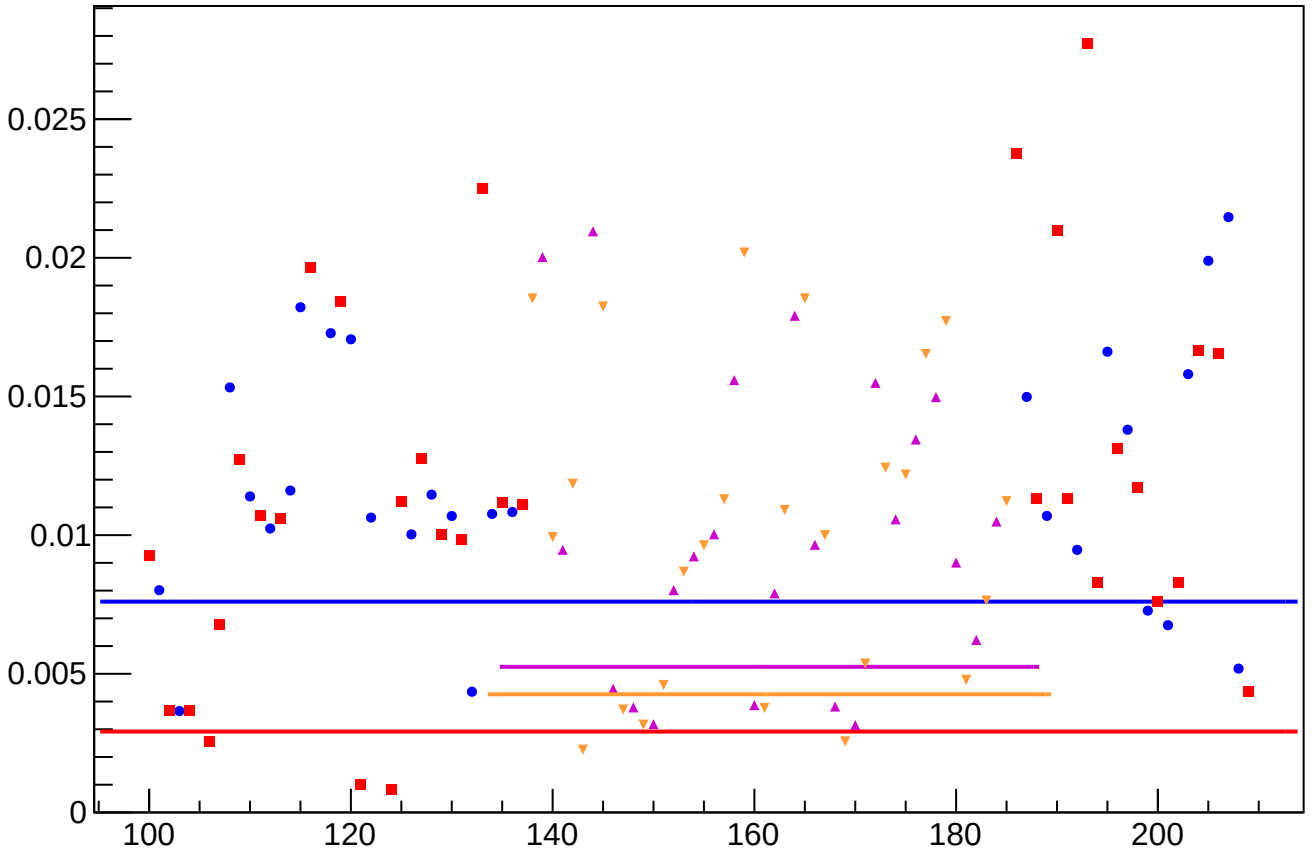
Right Out: 0.000+/-0.000 χ^2/NDF: 39.5/31

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.2/51

All: -0.000+/-0.000 χ^2/NDF: 144.4/106

- sign 0.000+/-0.000 χ^2/NDF: 64.4/54



Right In: 0.008+/-0.000 χ^2/NDF: 6560366.8/26

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

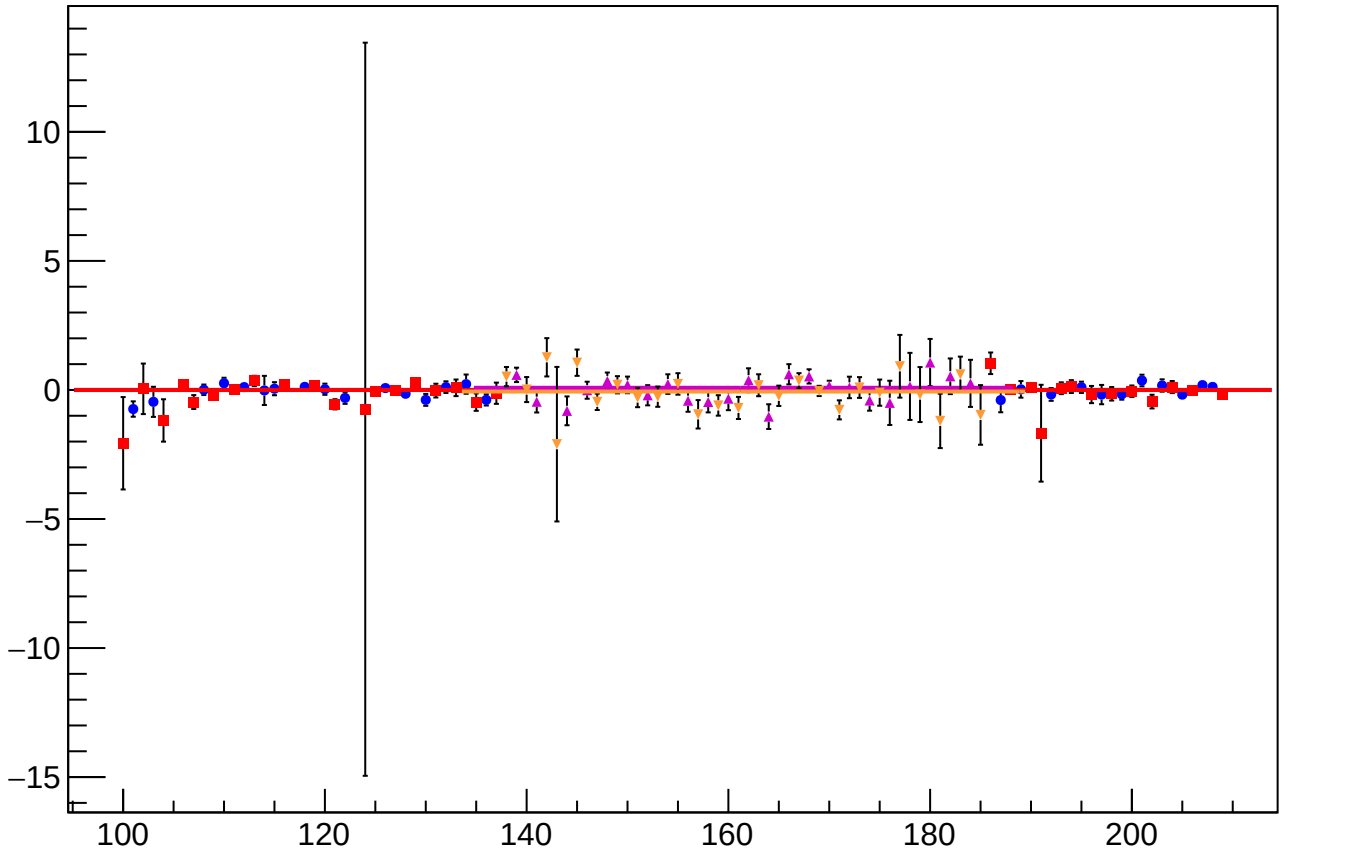
Right Out: 0.003+/-0.000 χ^2/NDF: 19841050.8/31

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 22951936.0/51

All: 0.004+/-0.000 χ^2/NDF: 56919352.8/106

- sign 0.004+/-0.000 χ^2/NDF: 32357417.9/54



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.003+/-0.038 χ^2/NDF: 41.1/31

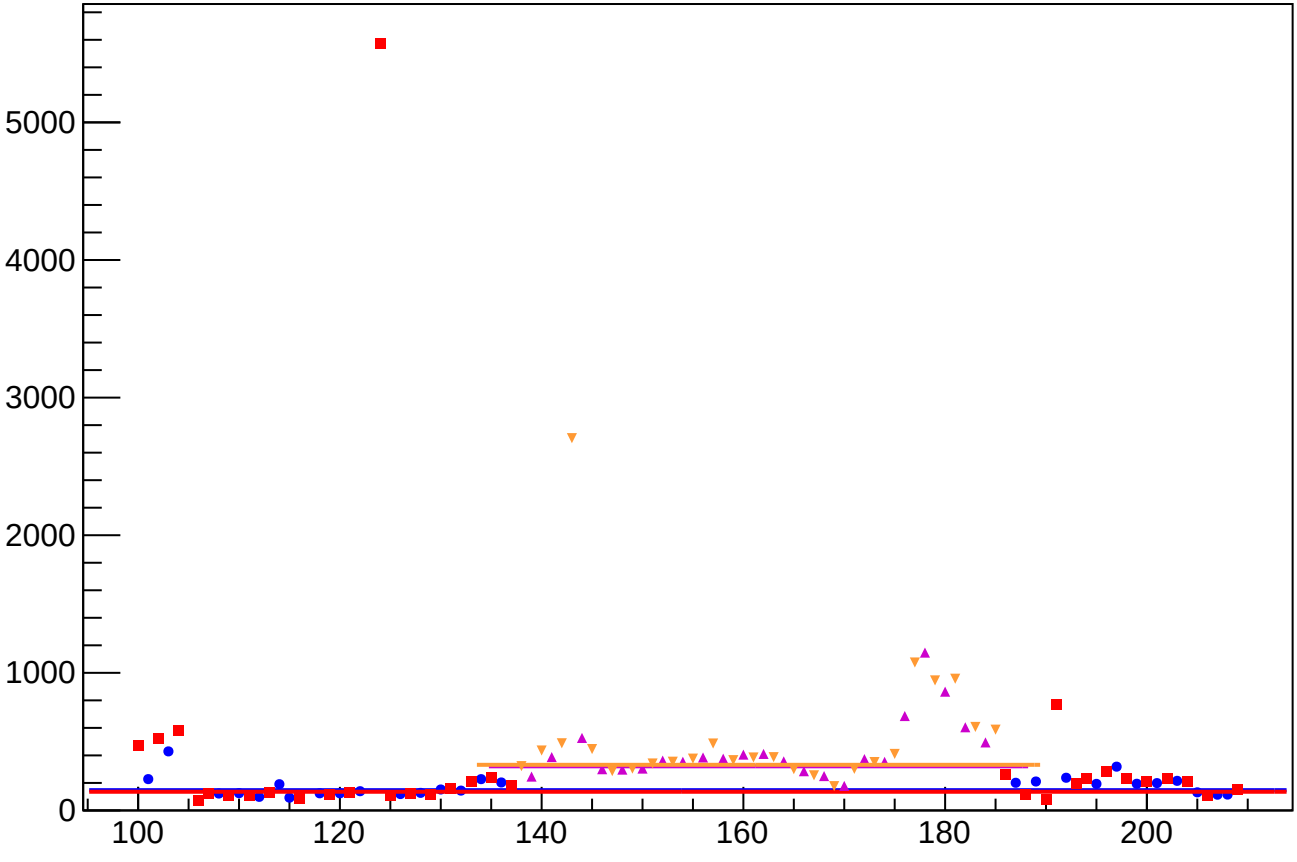
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.002+/-0.025 χ^2/NDF: 128.6/106

- sign 0.012+/-0.034 χ^2/NDF: 69.1/54

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

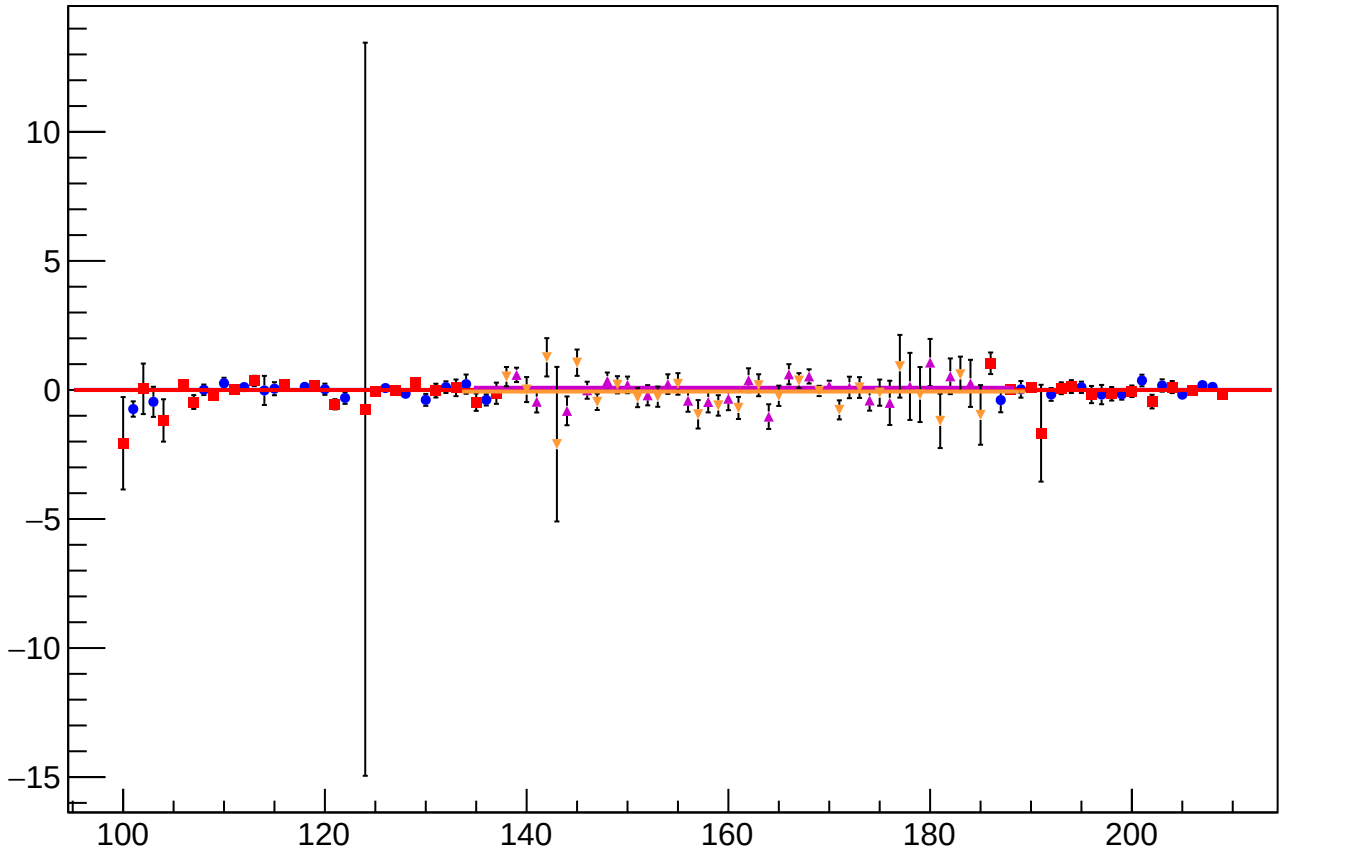
Right Out: 135.875+/-0.027 χ^2/NDF: 4922793.3/31

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 182.958+/-0.026 χ^2/NDF: 16501074.8/51

All: 175.249+/-0.018 χ^2/NDF: 34380306.9/10

- sign 168.589+/-0.024 χ^2/NDF: 17714961.4/54



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

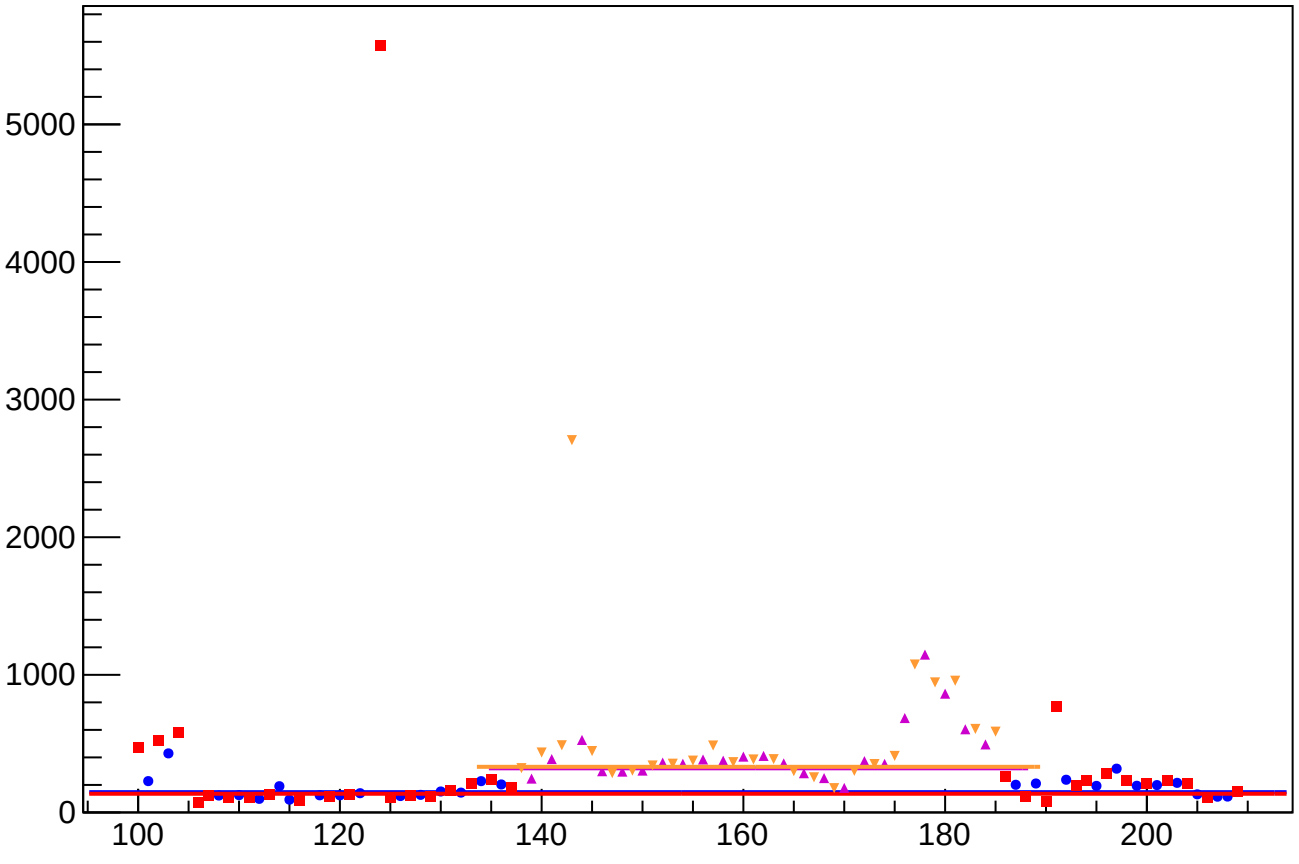
Right Out: -0.003+/-0.038 χ^2/NDF: 41.1/31

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.010+/-0.037 χ^2/NDF: 59.3/51

All: 0.002+/-0.025 χ^2/NDF: 128.6/106

\- sign 0.012+/-0.034 χ^2/NDF: 69.1/54



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

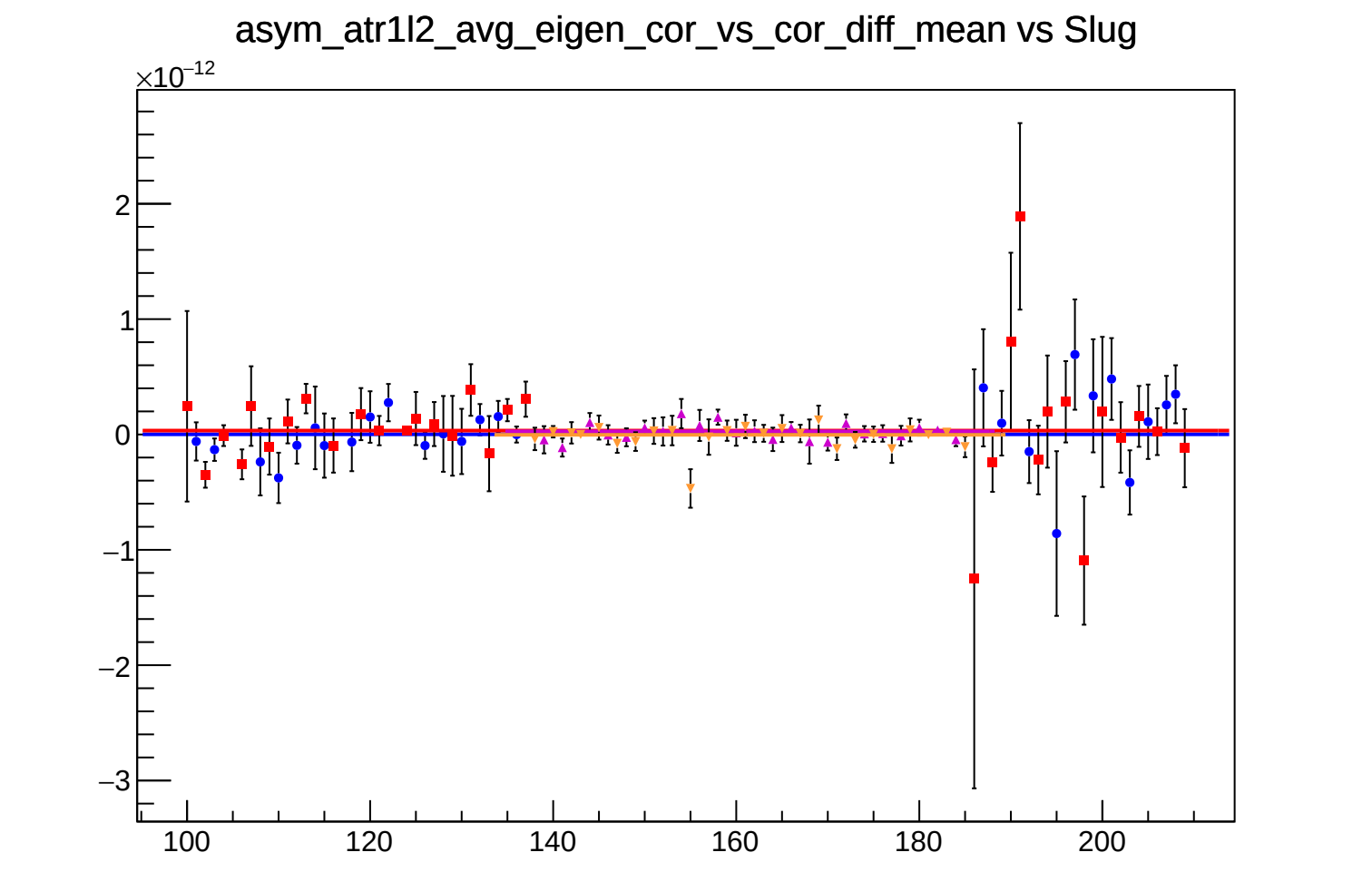
Right Out: 135.875+/-0.027 χ^2/NDF: 4922793.3/31

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 182.958+/-0.026 χ^2/NDF: 16501074.8/51

All: 175.249+/-0.018 χ^2/NDF: 34380306.9/10

- sign 168.589+/-0.024 χ^2/NDF: 17714961.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

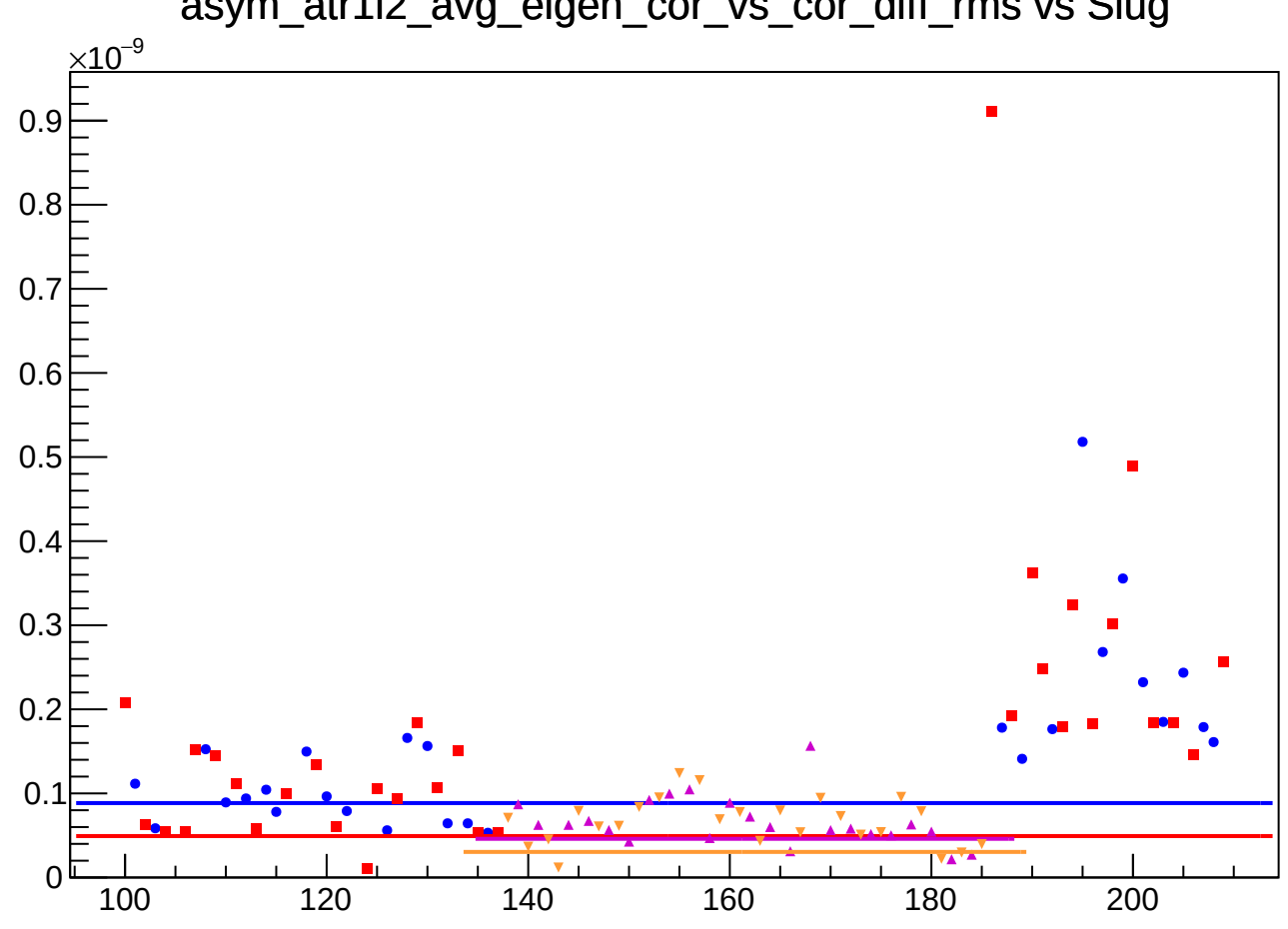
Right Out: 0.000+/-0.000 χ^2/NDF: 47.0/31

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/51

All: 0.000+/-0.000 χ^2/NDF: 108.6/106

- sign 0.000+/-0.000 χ^2/NDF: 63.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 4883198.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10881956.4/31

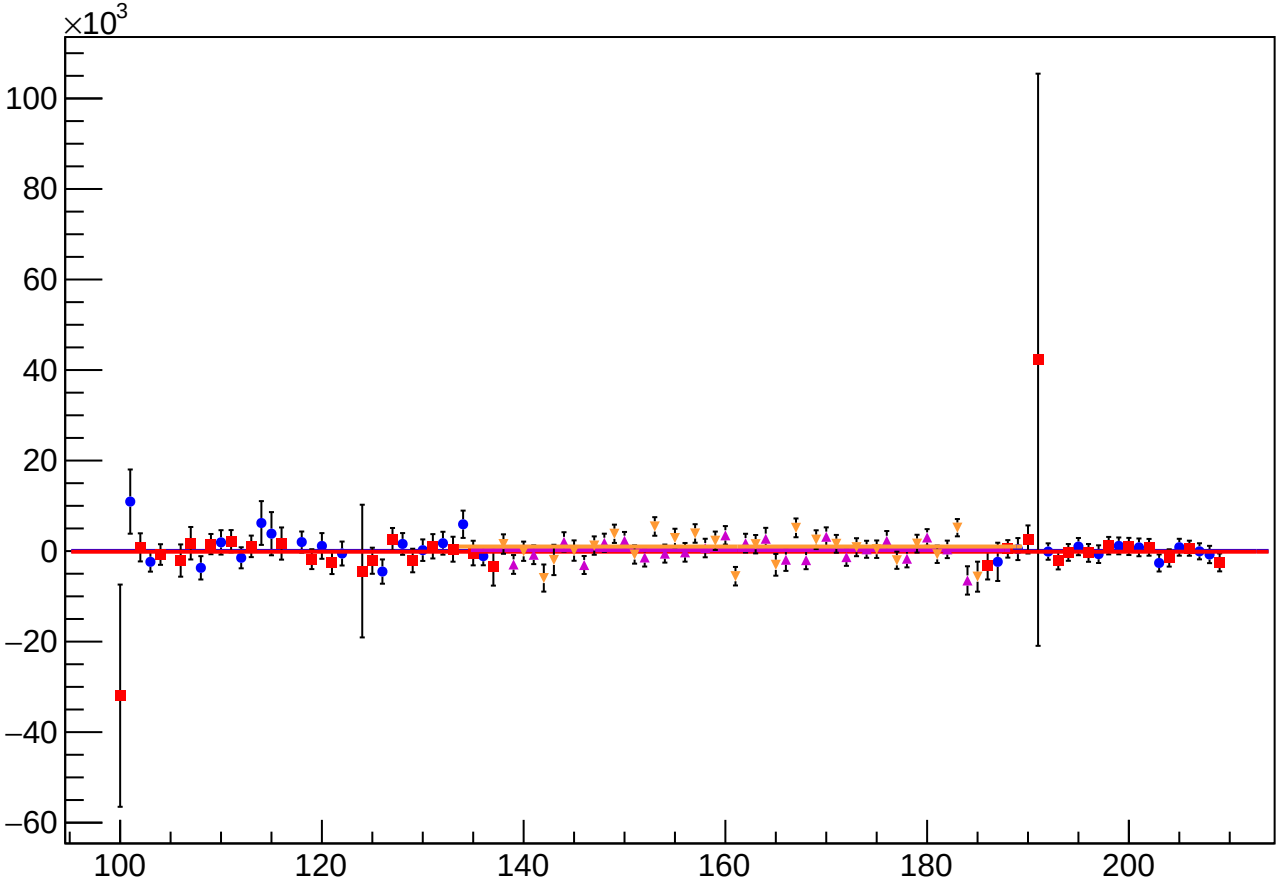
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20479651.5/51

All: 0.000+/-0.000 χ^2/NDF: 37275820.2/106

- sign 0.000+/-0.000 χ^2/NDF: 15808072.5/54

reg_asym_atr1l2_dd_mean vs Slug



Right In: 34.777+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -136.812+/-432.943 χ^2/NDF: 15.6/31

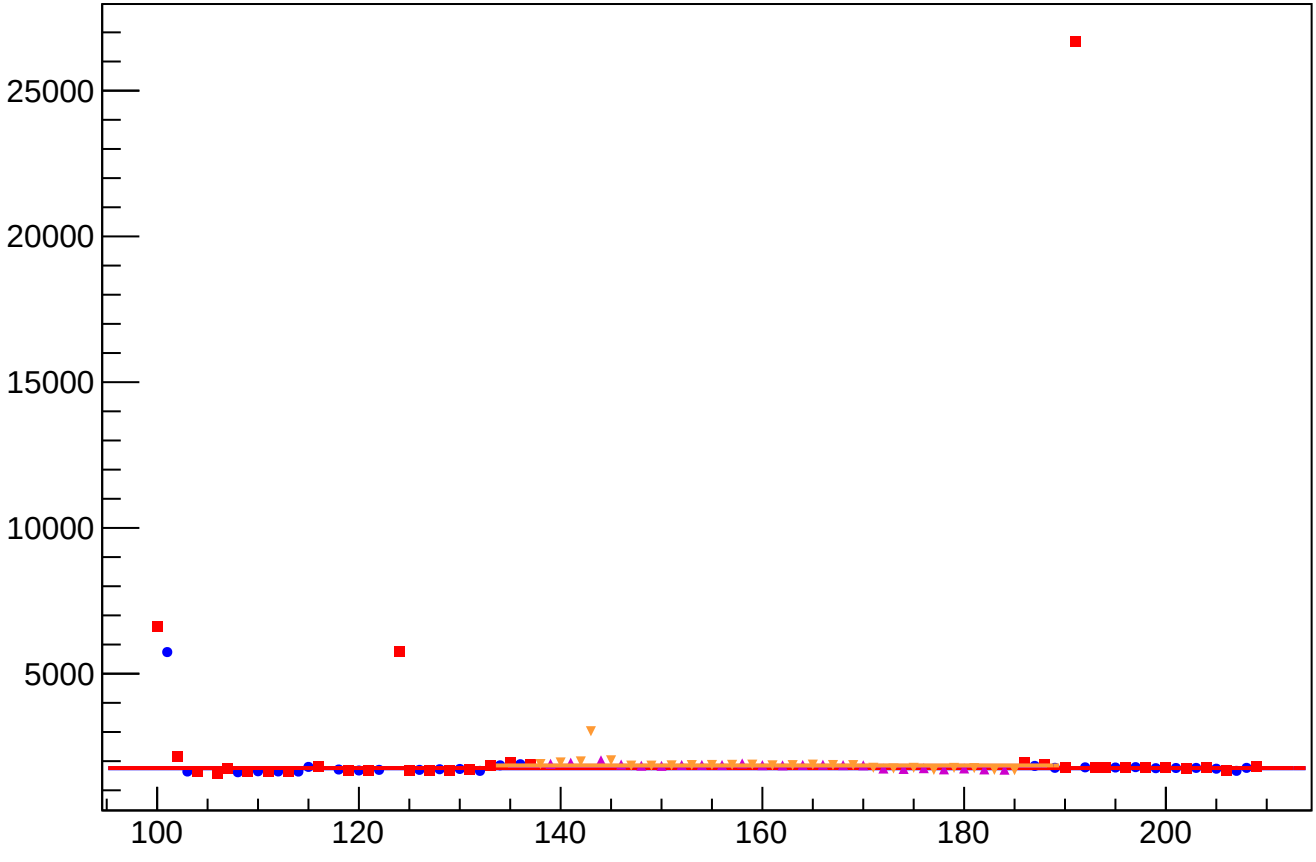
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 545.790+/-306.816 χ^2/NDF: 71.2/51

All: 295.218+/-216.301 χ^2/NDF: 114.8/106

- sign 47.632+/-304.983 χ^2/NDF: 42.3/54

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.0/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1763.962+/-0.305 χ^2/NDF: 645741.1/31

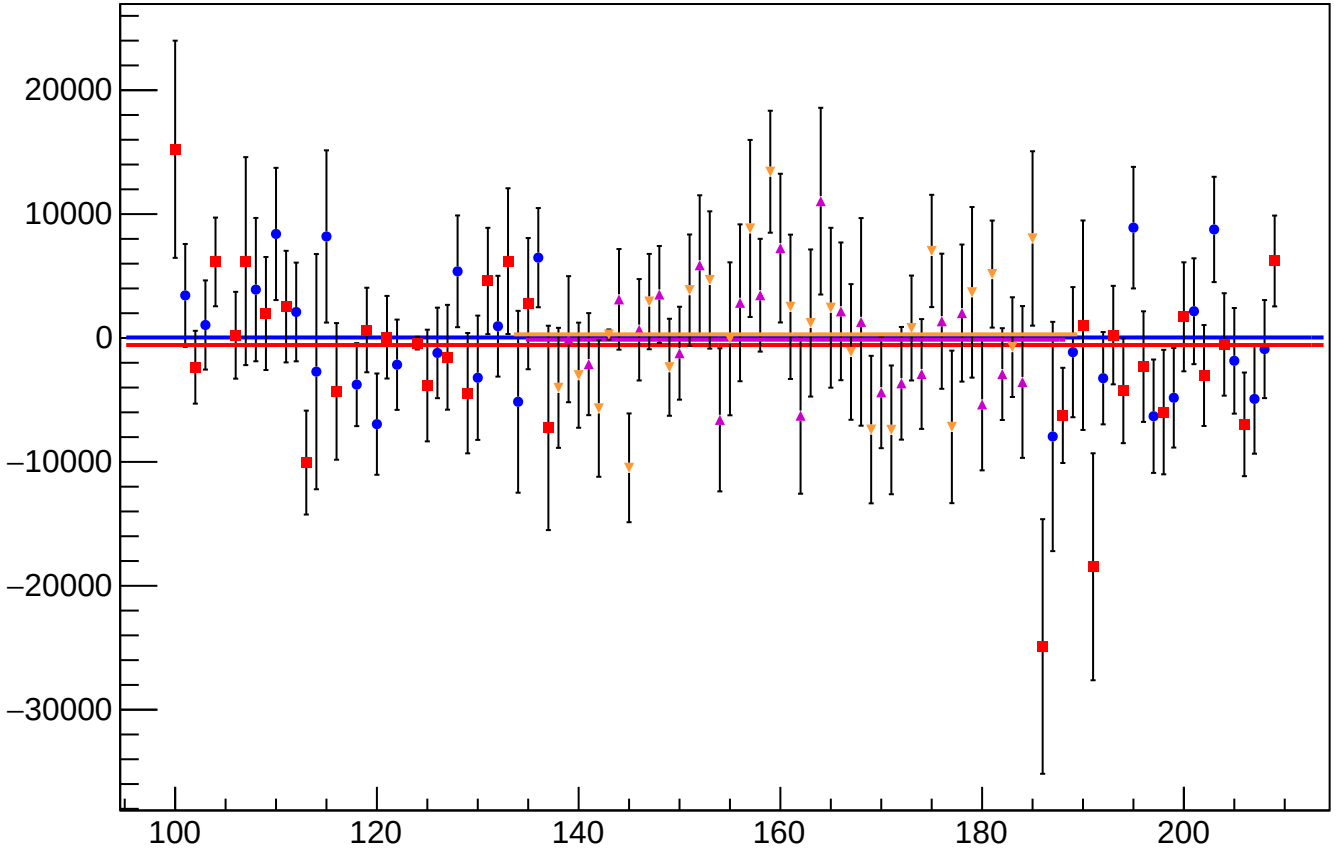
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF: 1048444.1/51

All: 1804.030+/-0.153 χ^2/NDF: 1792946.4/10

- sign 1801.405+/-0.215 χ^2/NDF: 744202.7/54

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 42.417+/-852.436 χ^2/NDF: 29.2/26

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -567.197+/-431.033 χ^2/NDF: 39.7/31

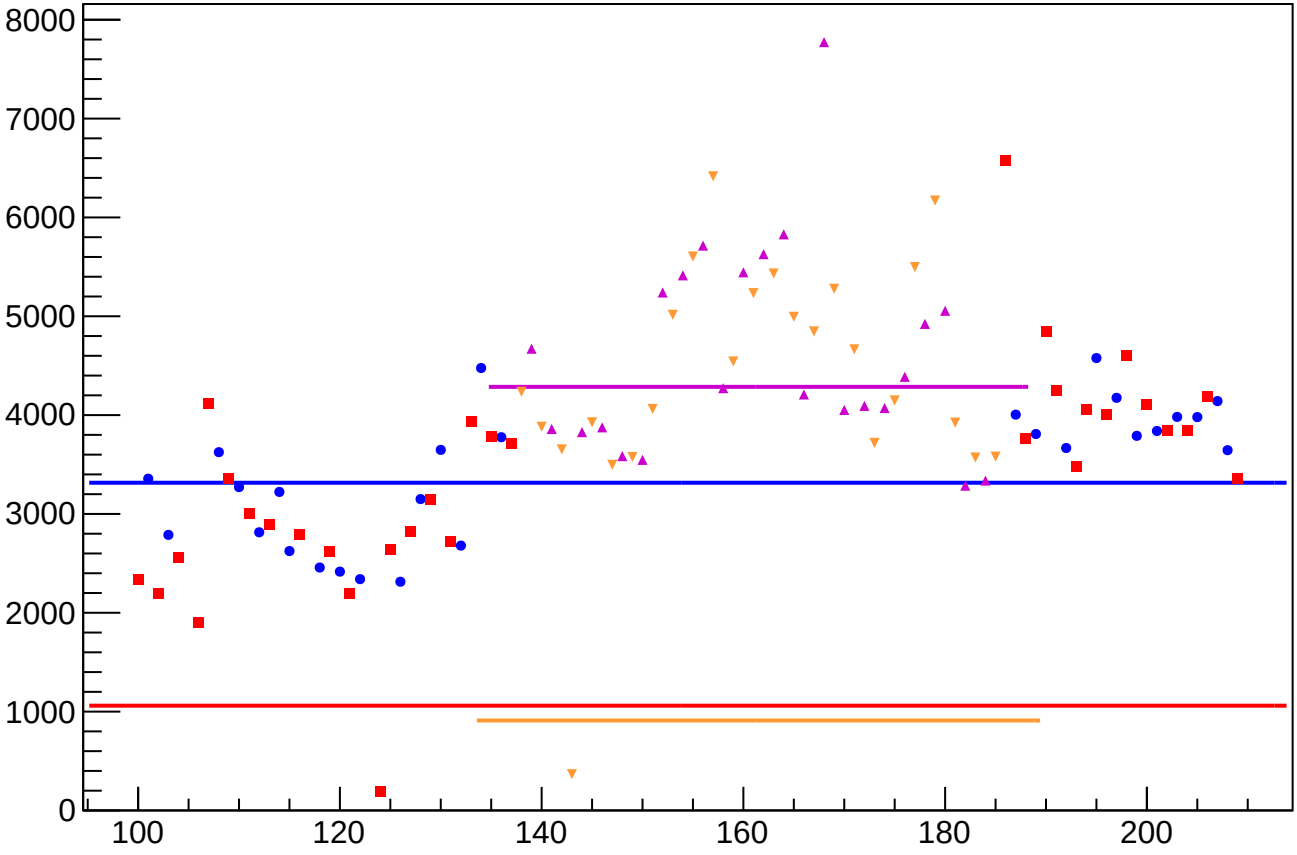
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 252.647+/-347.016 χ^2/NDF: 59.3/51

All: -74.242+/-261.333 χ^2/NDF: 115.1/106

- sign -502.536+/-397.210 χ^2/NDF: 53.7/54

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3315.720+/-0.603 χ^2/NDF: 1247813.1/26

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1060.105+/-0.305 χ^2/NDF: 21990614.7/31

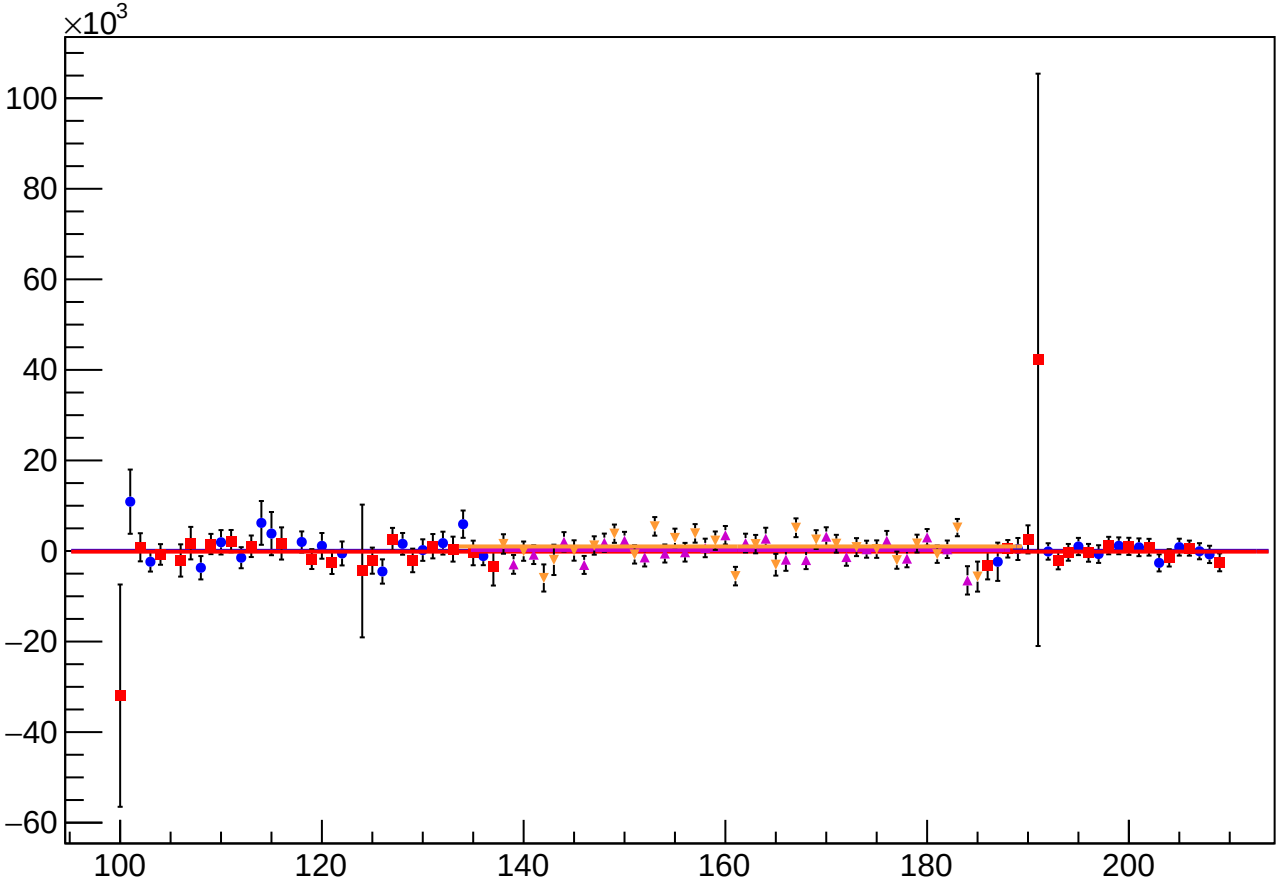
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1308.790+/-0.245 χ^2/NDF: 41309937.9/51

All: 1411.675+/-0.185 χ^2/NDF: 81923699.0/1

- sign 1546.476+/-0.281 χ^2/NDF: 40207614.3/54

cor_asym_atr1l2_dd_mean vs Slug



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -136.811+/-432.943 χ^2/NDF: 15.5/31

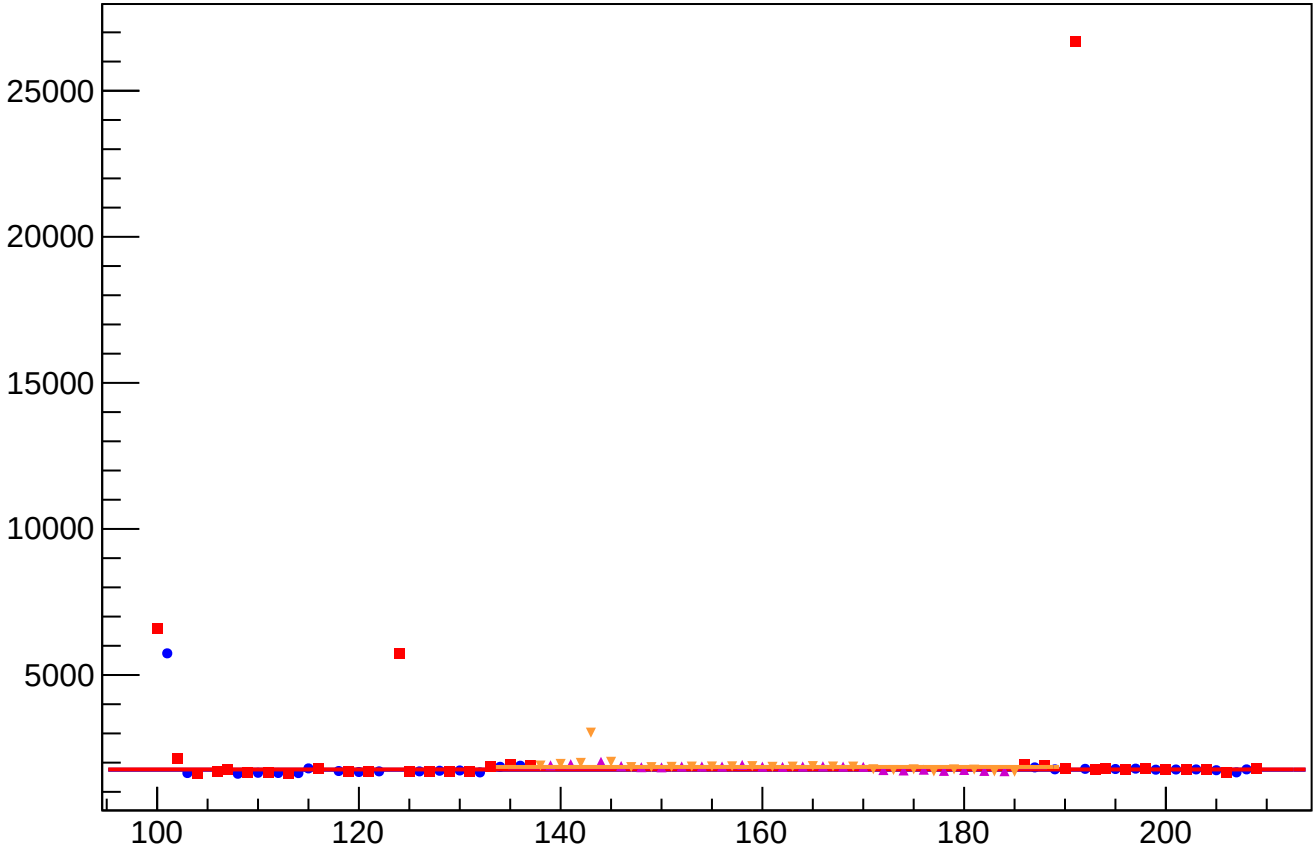
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 545.699+/-306.816 χ^2/NDF: 71.1/51

All: 295.152+/-216.301 χ^2/NDF: 114.8/106

- sign 47.590+/-304.983 χ^2/NDF: 42.3/54

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

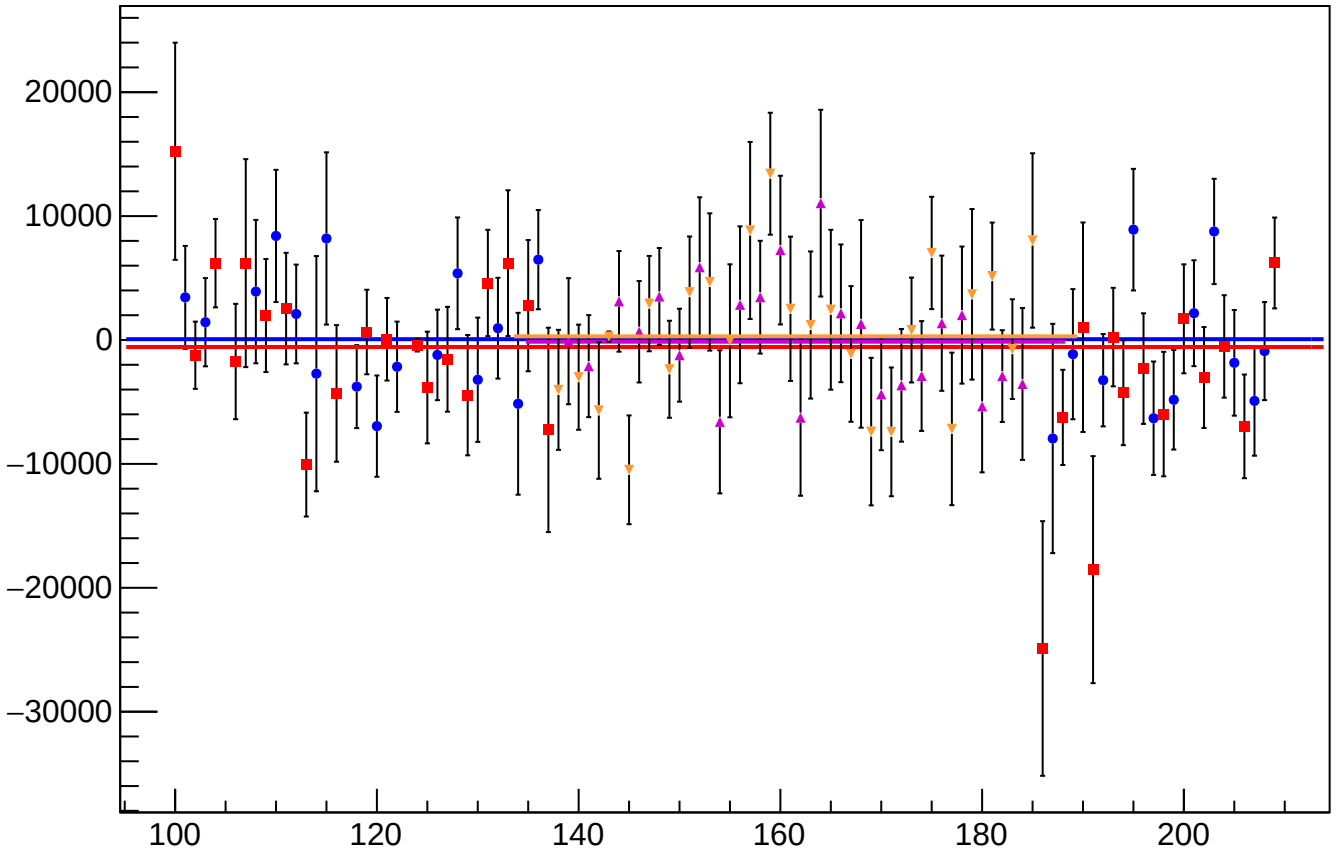
Right Out: 1766.978+/-0.306 χ^2/NDF: 637717.2/31

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF: 1048444.4/51

All: 1804.817+/-0.153 χ^2/NDF: 1782351.7/10

- sign 1802.964+/-0.215 χ^2/NDF: 733758.3/54



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -566.057+/-431.795 χ^2/NDF: 39.5/31

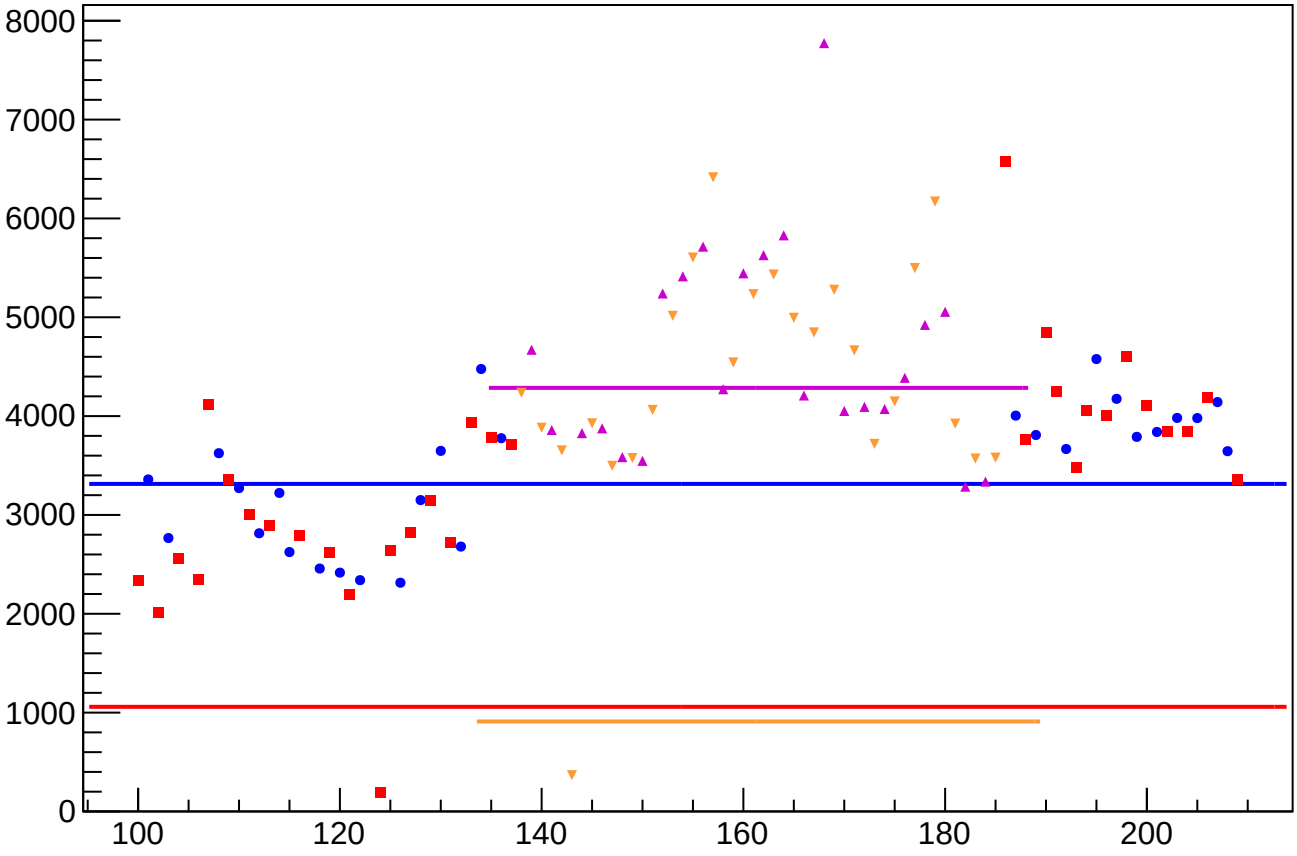
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 257.220+/-347.006 χ^2/NDF: 59.4/51

All: -70.571+/-261.498 χ^2/NDF: 115.0/106

- sign -501.362+/-397.807 χ^2/NDF: 53.5/54

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1058.709+/-0.305 χ^2/NDF: 21963979.4/31

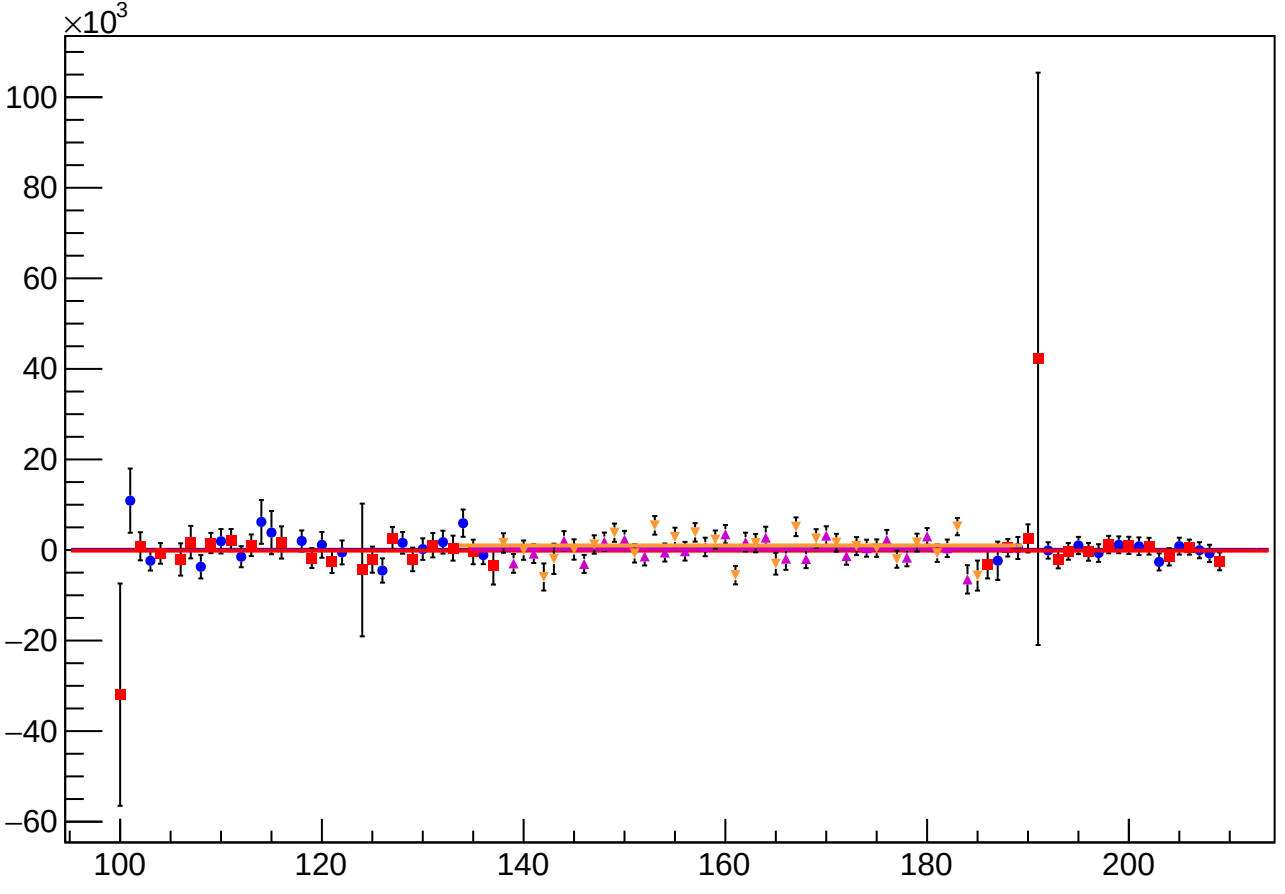
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1309.020+/-0.245 χ^2/NDF: 41304624.8/51

All: 1411.747+/-0.185 χ^2/NDF: 81896806.7/1

- sign 1546.752+/-0.281 χ^2/NDF: 40186558.3/54

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -136.811+/-432.943 χ^2/NDF: 15.5/31

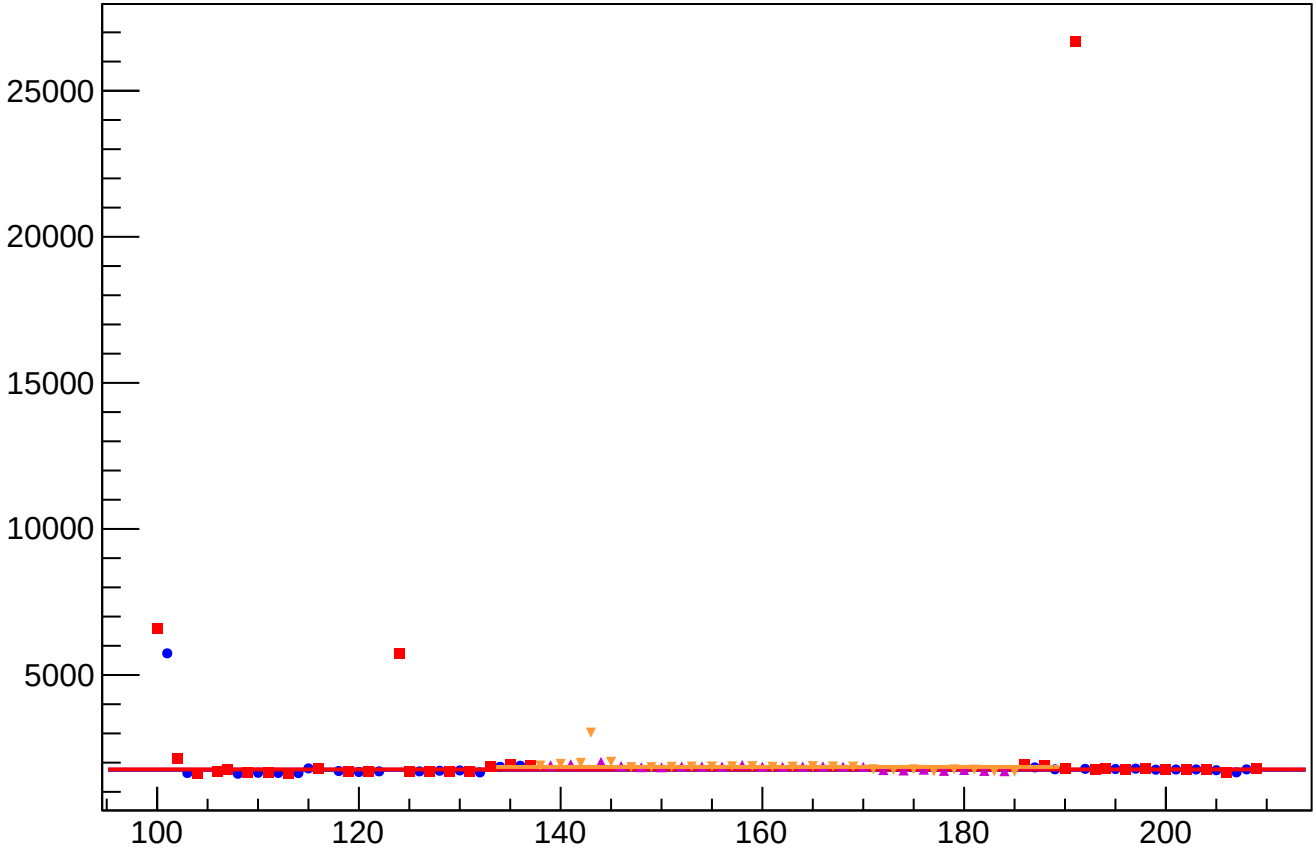
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 545.699+/-306.816 χ^2/NDF: 71.1/51

All: 295.152+/-216.301 χ^2/NDF: 114.8/106

- sign 47.590+/-304.983 χ^2/NDF: 42.3/54

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1766.978+/-0.306 χ^2/NDF: 637717.2/31

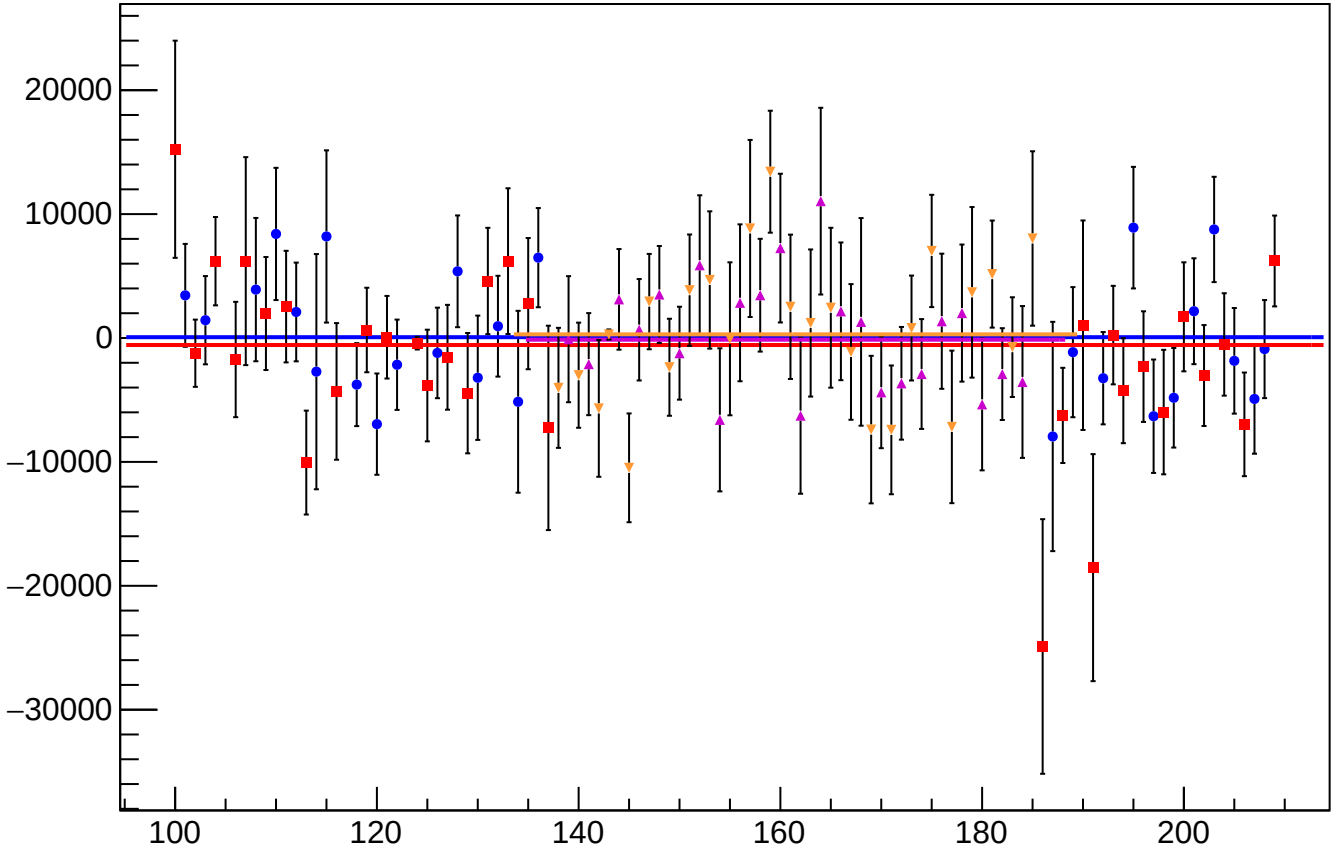
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1806.696+/-0.217 χ^2/NDF: 1048444.4/51

All: 1804.817+/-0.153 χ^2/NDF: 1782351.7/10

- sign 1802.964+/-0.215 χ^2/NDF: 733758.3/54

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

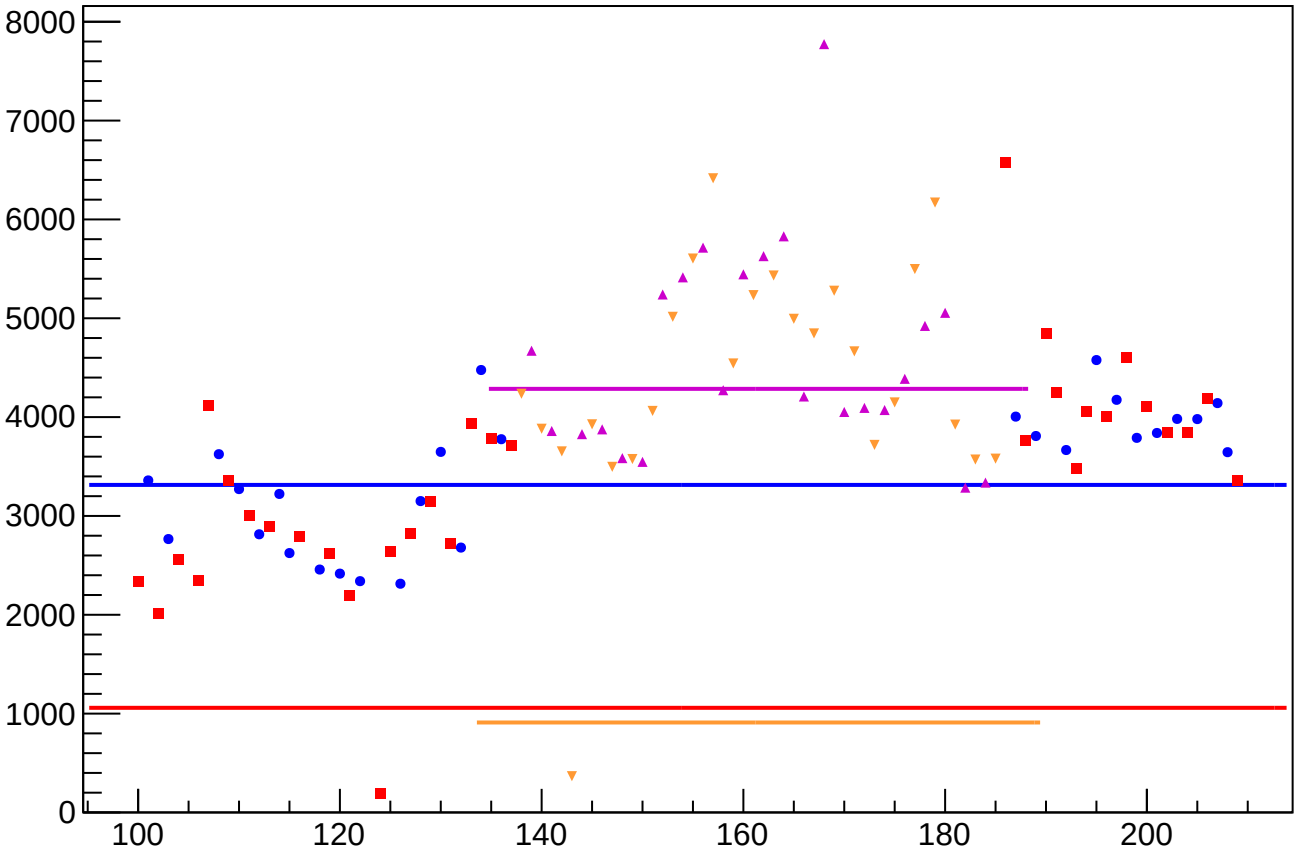
Right Out: -566.057+/-431.795 χ^2/NDF: 39.5/31

Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 257.220+/-347.006 χ^2/NDF: 59.4/51

All: -70.571+/-261.498 χ^2/NDF: 115.0/106

- sign -501.362+/-397.807 χ^2/NDF: 53.5/54



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

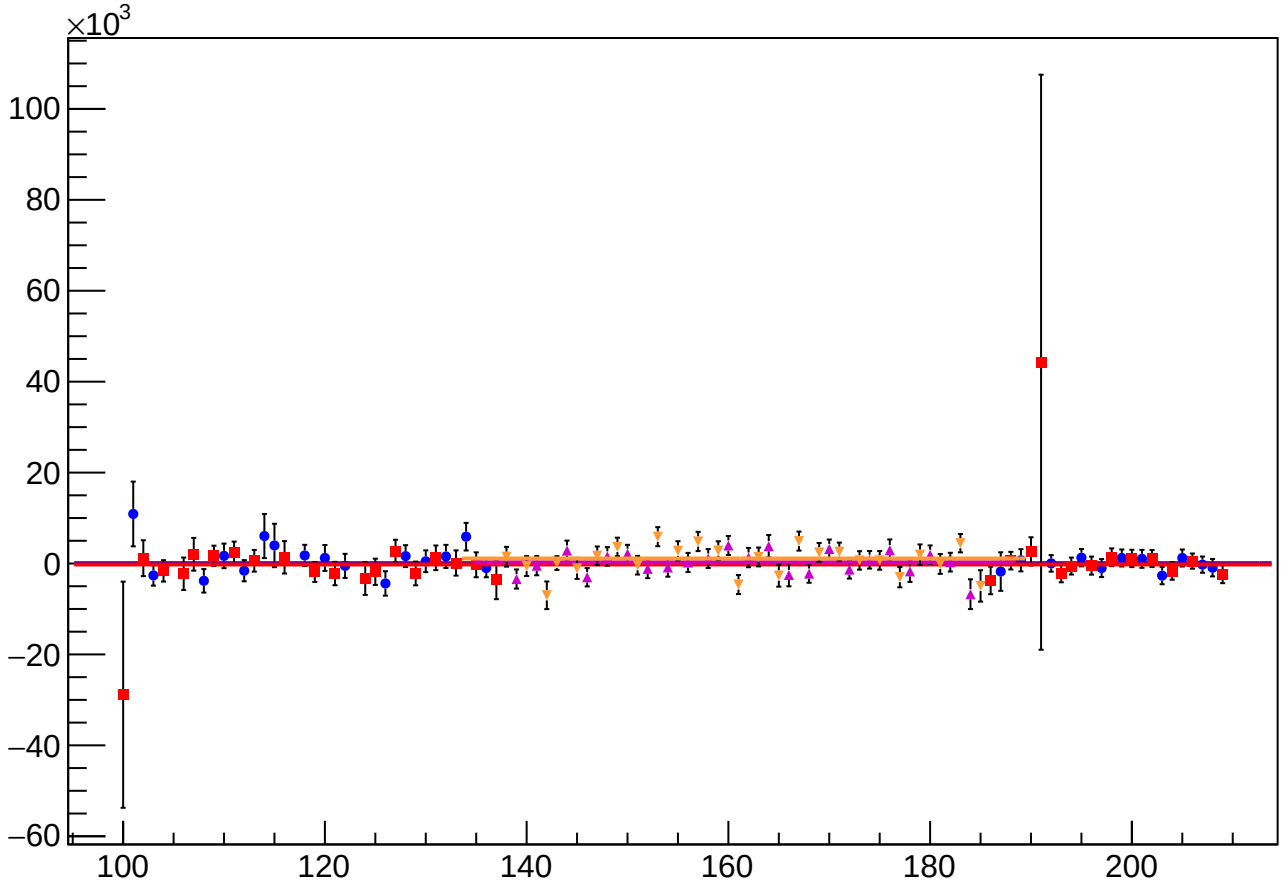
Right Out: 1058.709+/-0.305 χ^2/NDF: 21963979.4/31

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1309.020+/-0.245 χ^2/NDF: 41304624.8/51

All: 1411.747+/-0.185 χ^2/NDF: 81896806.7/1

- sign 1546.752+/-0.281 χ^2/NDF: 40186558.3/54



Right In: 61.135+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -208.132+/-434.167 χ^2/NDF: 17.1/31

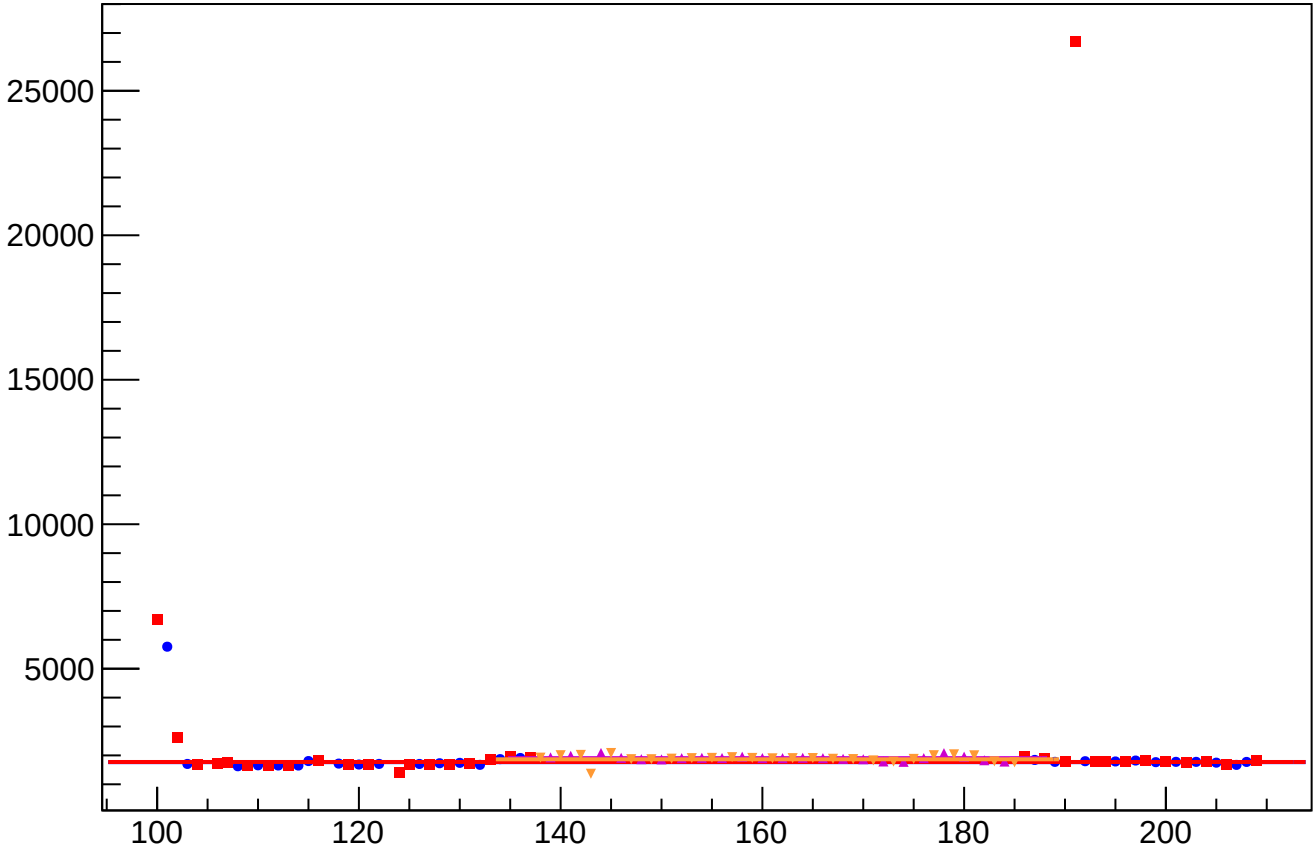
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 610.312+/-308.747 χ^2/NDF: 69.2/51

All: 318.296+/-219.068 χ^2/NDF: 116.4/106

- sign 22.227+/-310.882 χ^2/NDF: 45.3/54

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1771.973+/-0.307 χ^2/NDF: 569458.4/31

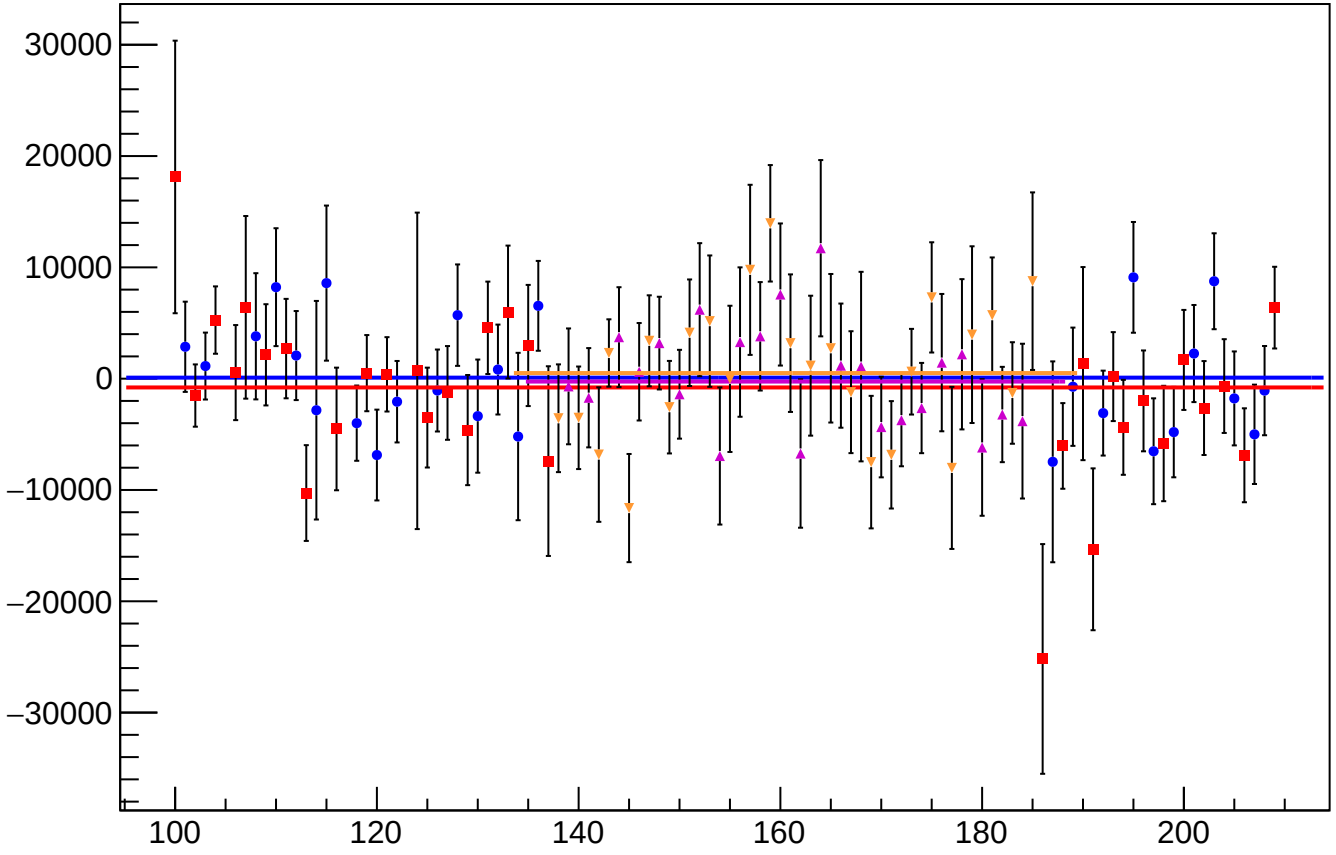
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1818.210+/-0.218 χ^2/NDF: 1022494.9/51

All: 1827.554+/-0.155 χ^2/NDF: 1740892.8/10

- sign 1837.016+/-0.220 χ^2/NDF: 714710.9/54

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 92.234+/-847.686 χ^2/NDF: 29.0/26

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -789.168+/-799.517 χ^2/NDF: 38.6/31

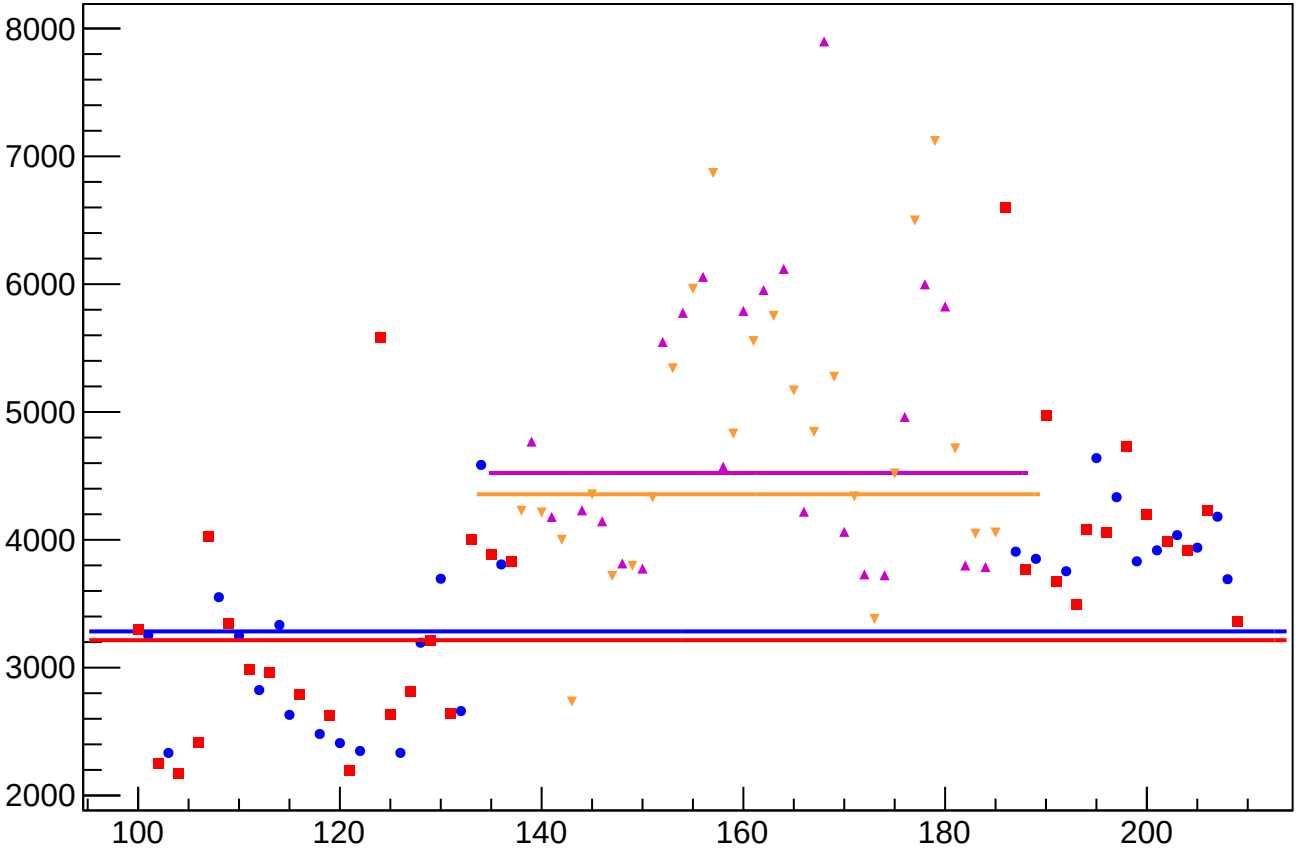
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 260.226+/-652.376 χ^2/NDF: 59.2/51

All: -177.464+/-457.909 χ^2/NDF: 112.5/106

- sign -602.517+/-642.890 χ^2/NDF: 52.4/54

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3283.550+/-0.599 χ^2/NDF: 1470612.2/26

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3214.873+/-0.565 χ^2/NDF: 2075005.4/31

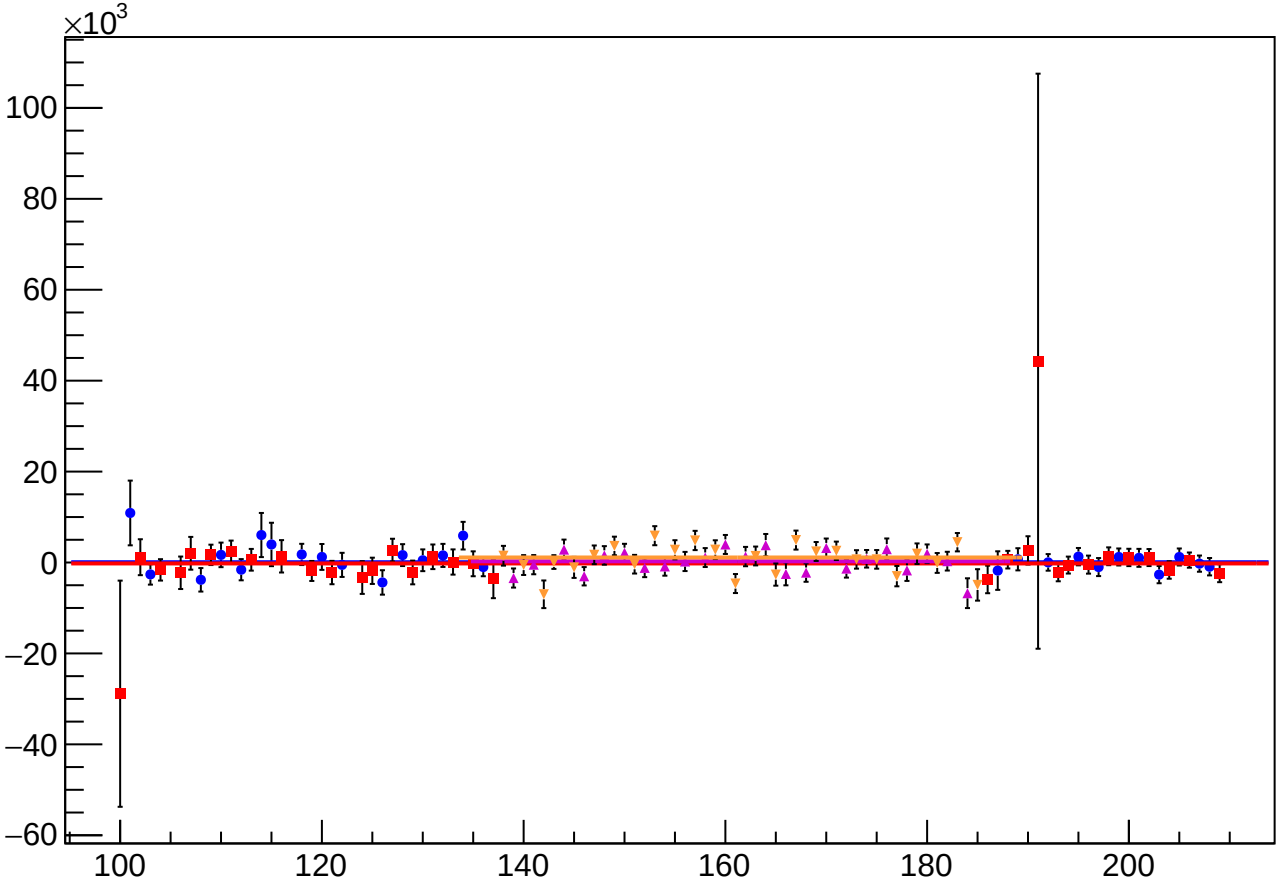
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3721.072+/-0.461 χ^2/NDF: 4689702.7/51

All: 3698.776+/-0.324 χ^2/NDF: 10094934.6/1

- sign 3677.124+/-0.455 χ^2/NDF: 5400627.2/54

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 61.134+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -208.131+/-434.167 χ^2/NDF: 17.1/31

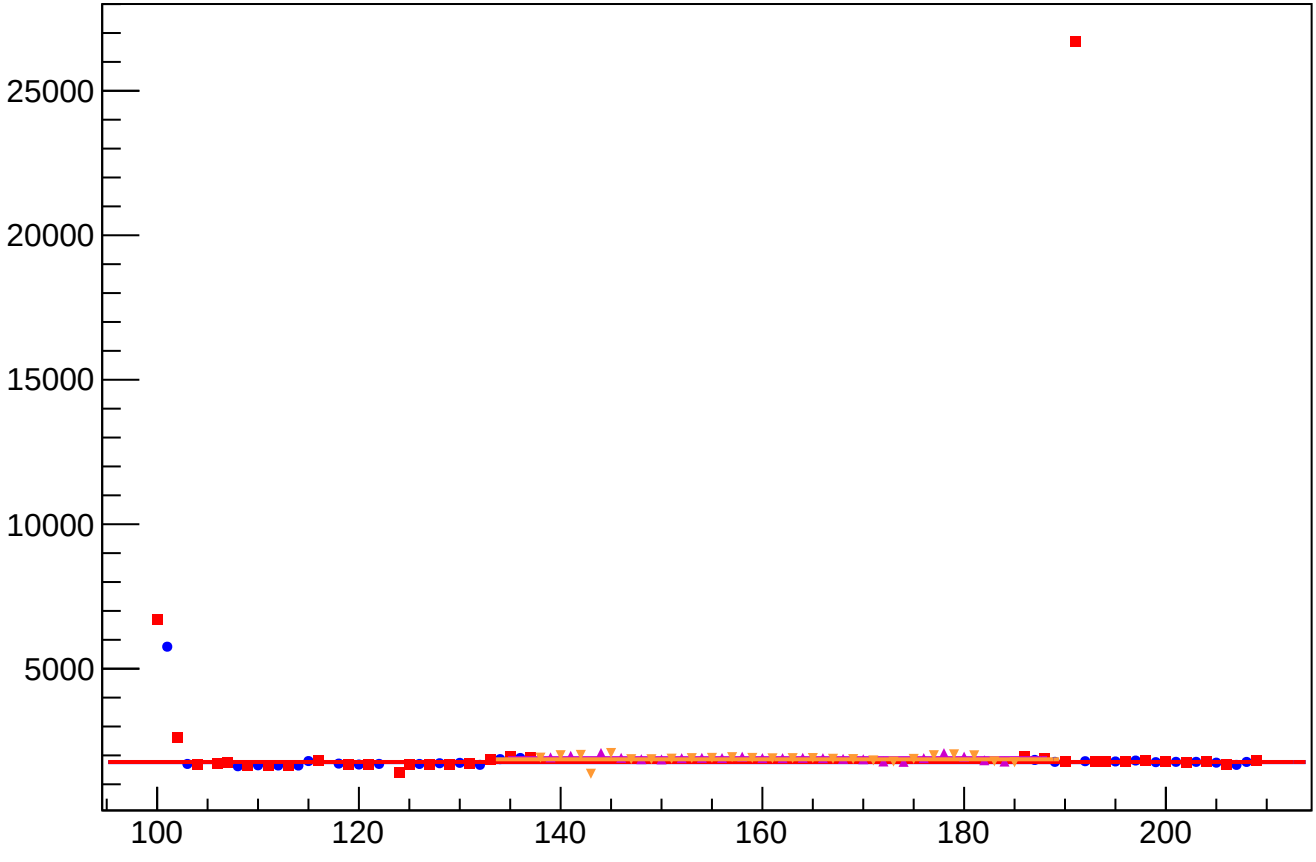
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 610.312+/-308.747 χ^2/NDF: 69.2/51

All: 318.296+/-219.068 χ^2/NDF: 116.4/106

- sign 22.227+/-310.882 χ^2/NDF: 45.3/54

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

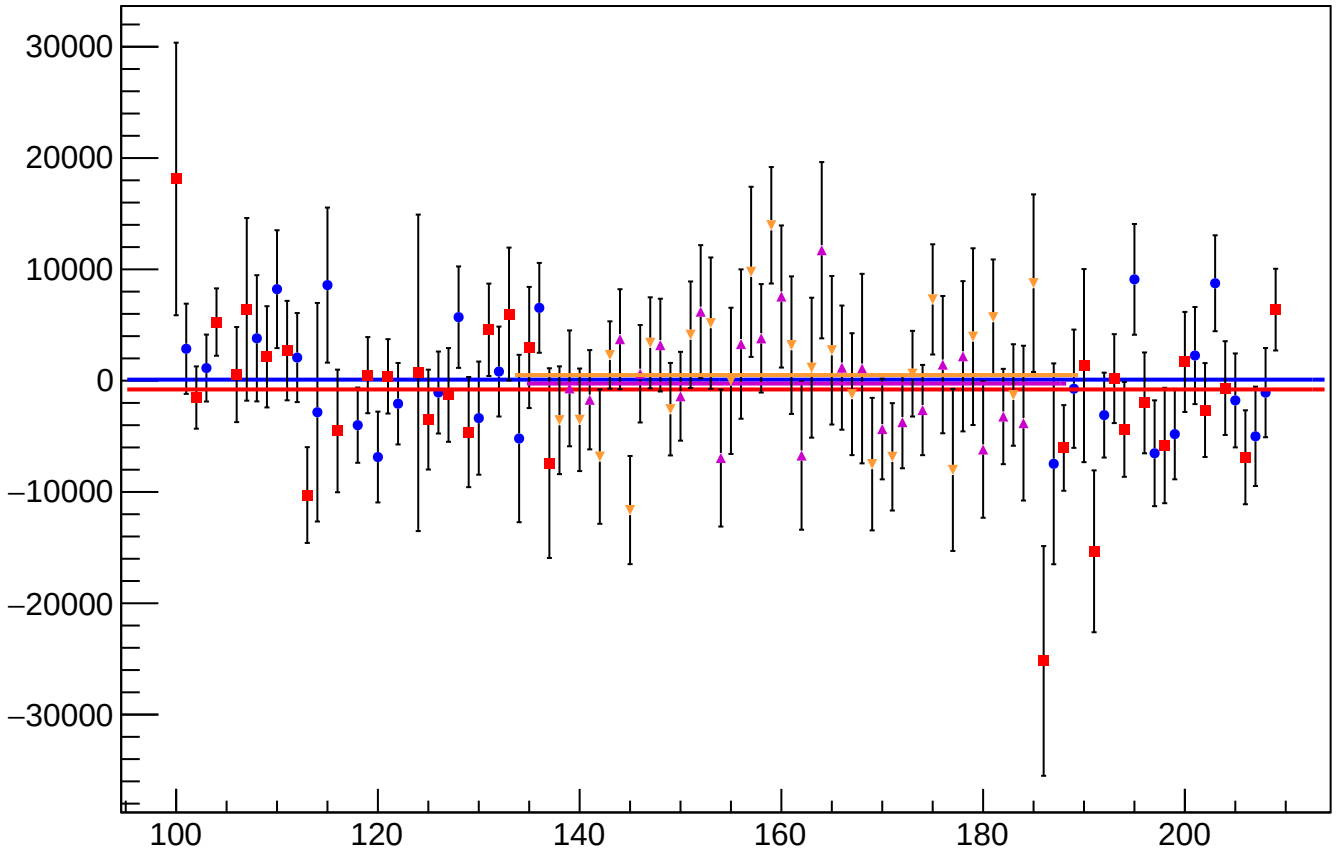
Right Out: 1771.973+/-0.307 χ^2/NDF: 569458.4/31

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1818.210+/-0.218 χ^2/NDF: 1022499.2/51

All: 1827.554+/-0.155 χ^2/NDF: 1740900.6/10

- sign 1837.016+/-0.220 χ^2/NDF: 714714.5/54



Right In: 92.232+/-847.685 χ^2/NDF: 29.0/26

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -789.163+/-799.516 χ^2/NDF: 38.6/31

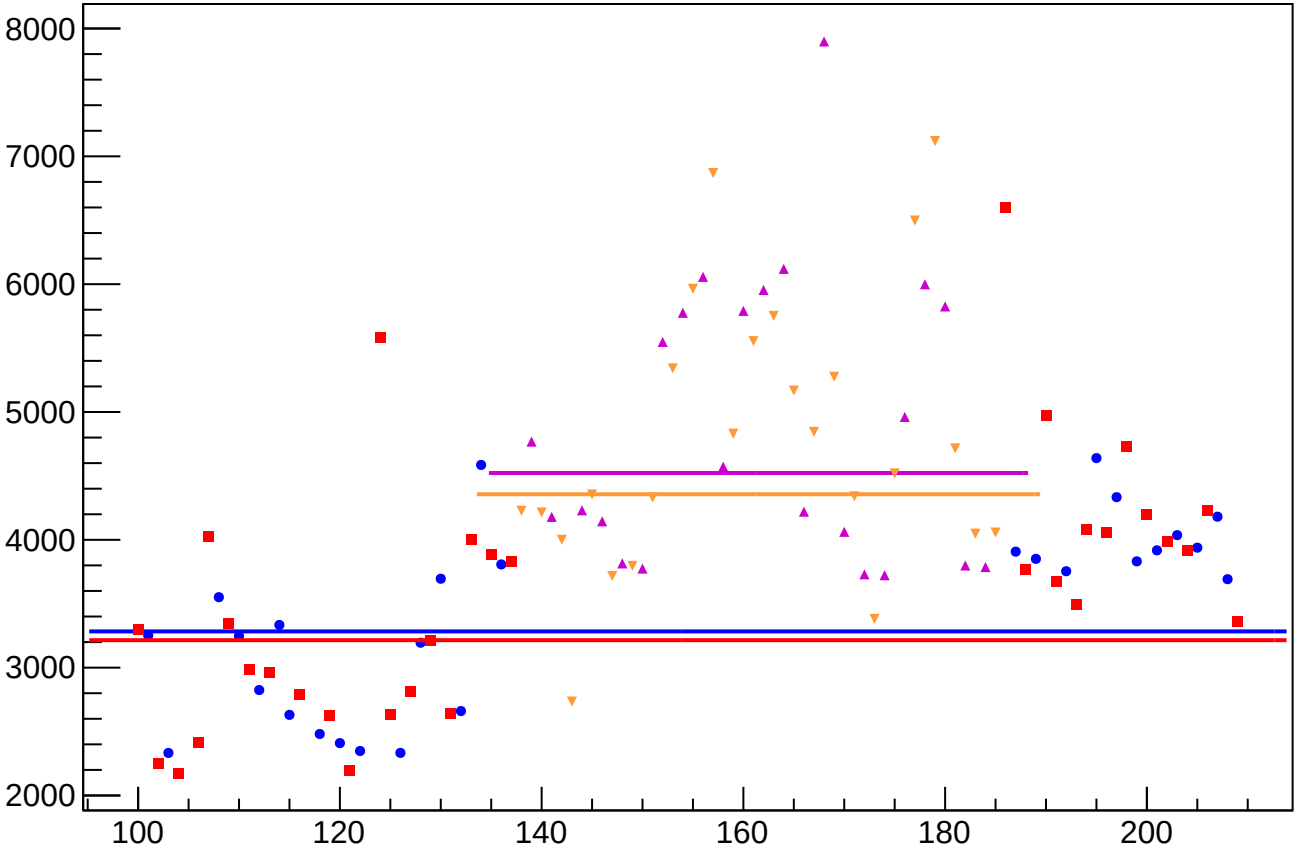
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 260.226+/-652.376 χ^2/NDF: 59.2/51

All: -177.463+/-457.909 χ^2/NDF: 112.5/106

- sign -602.515+/-642.890 χ^2/NDF: 52.4/54

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3283.546+/-0.599 χ^2/NDF: 1470640.4/26

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3214.870+/-0.565 χ^2/NDF: 2075021.8/31

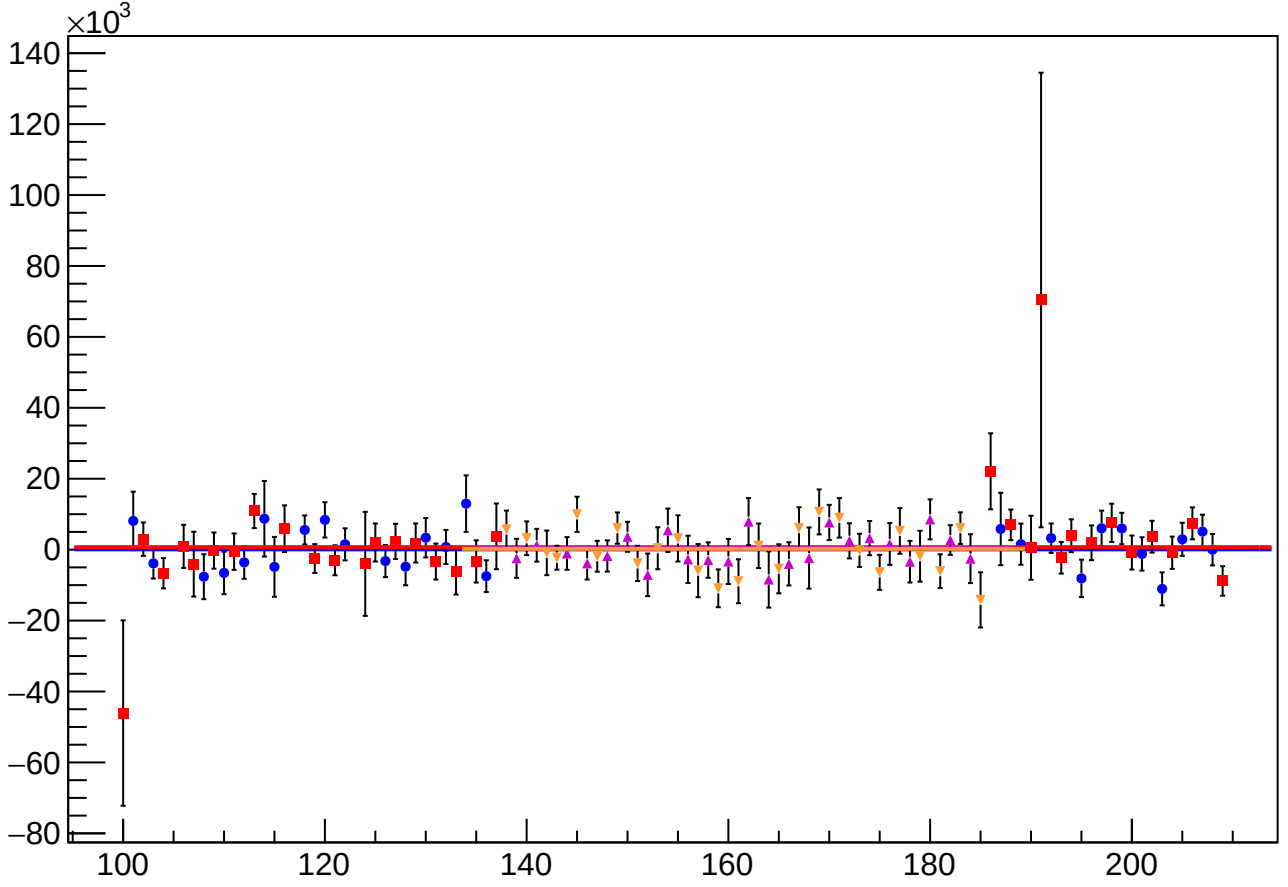
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3721.071+/-0.461 χ^2/NDF: 4689761.1/51

All: 3698.775+/-0.324 χ^2/NDF: 10095039.3/1

- sign 3677.123+/-0.455 χ^2/NDF: 5400673.5/54

asym_atr1l2_dd_mean vs Slug



Right In: 93.334+/-987.812 χ^2/NDF: 31.9/26

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 694.271+/-948.954 χ^2/NDF: 33.9/31

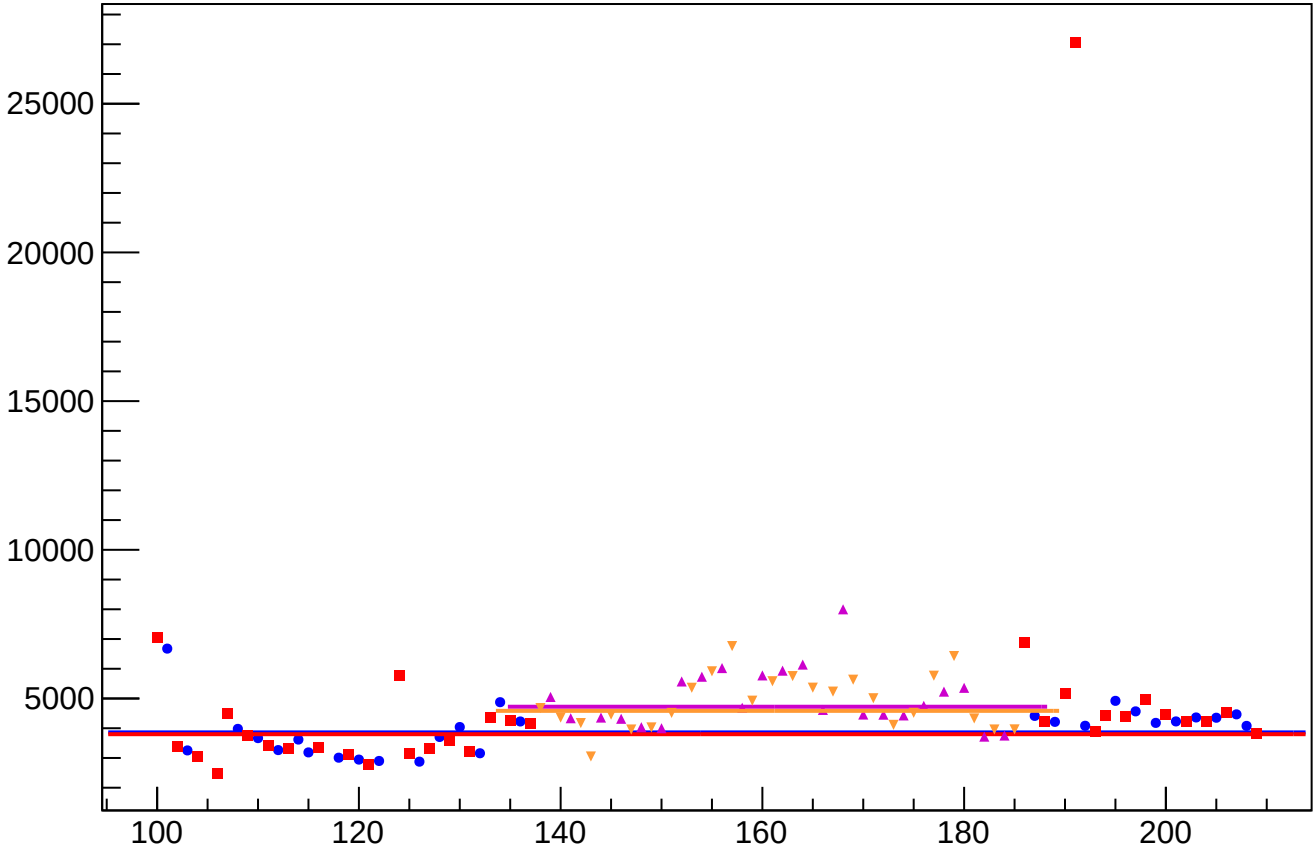
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 161.151+/-724.130 χ^2/NDF: 64.1/51

All: 365.798+/-512.123 χ^2/NDF: 112.4/106

- sign 570.583+/-724.373 χ^2/NDF: 48.1/54

asym_atr1l2_dd_rms vs Slug



Right In: 3860.002+/-0.698 χ^2/NDF: 1000584.2/26

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

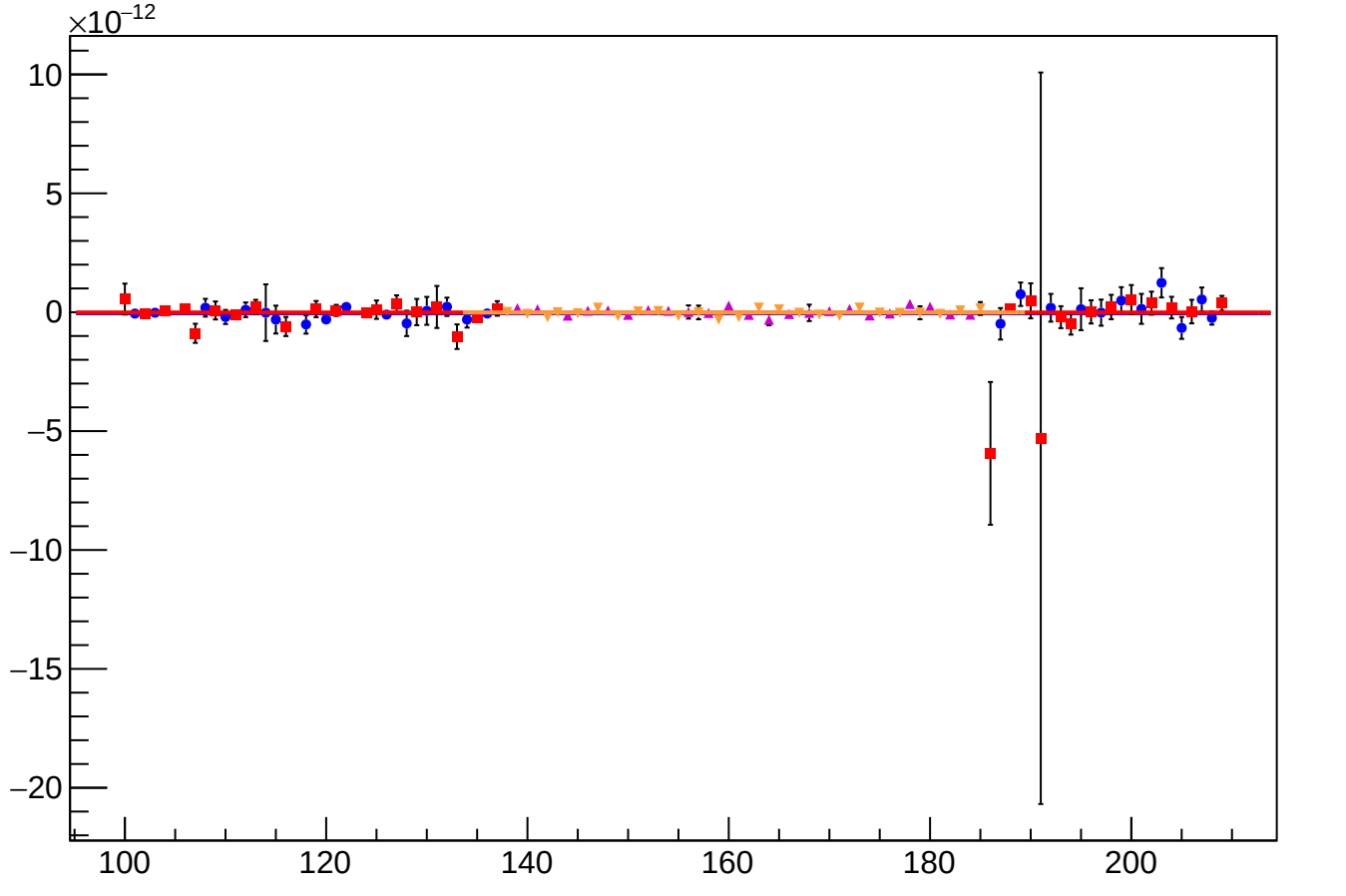
Right Out: 3799.529+/-0.666 χ^2/NDF: 1415262.0/31

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4195.242+/-0.512 χ^2/NDF: 2810241.5/51

All: 4188.295+/-0.361 χ^2/NDF: 6038062.4/10

- sign 4181.406+/-0.510 χ^2/NDF: 3227454.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/31

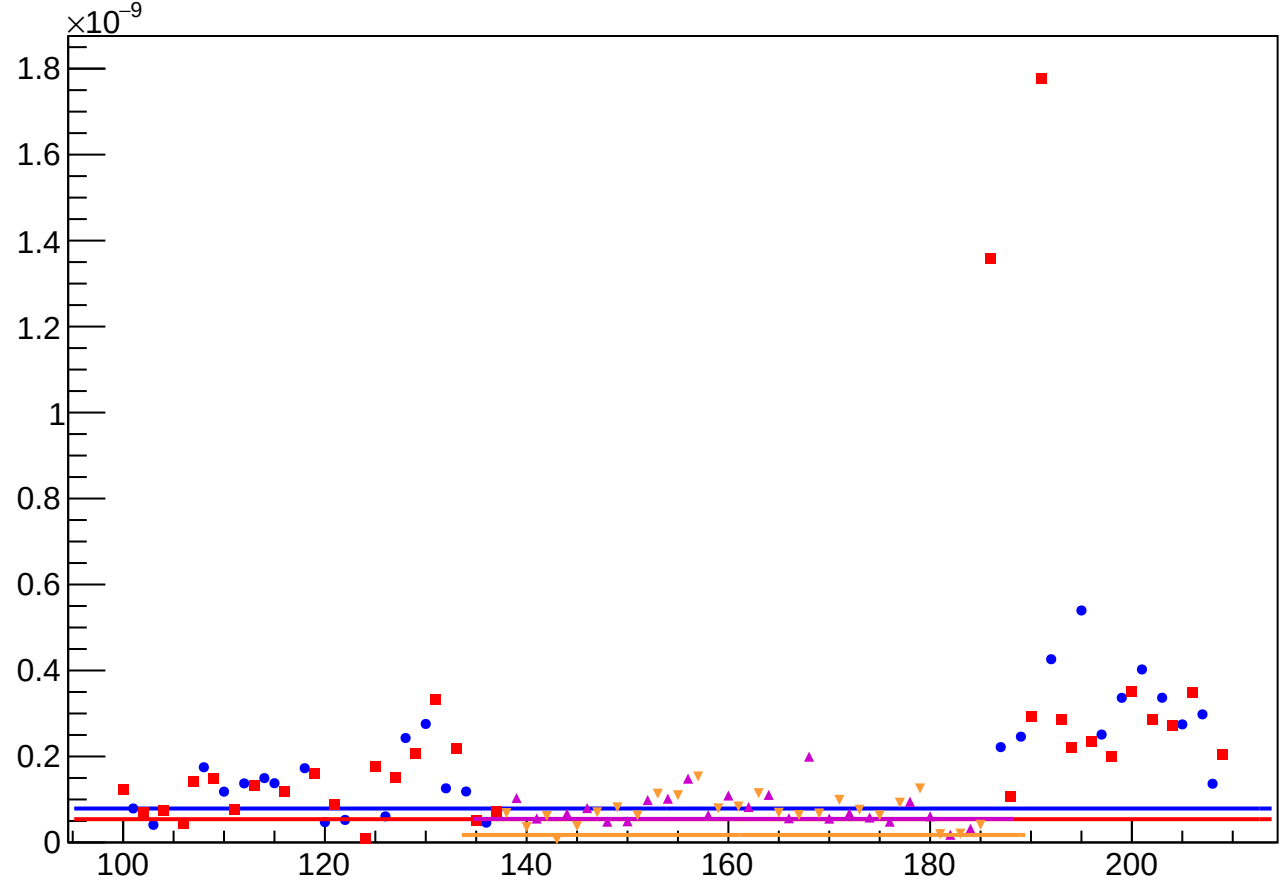
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.1/51

All: -0.000+/-0.000 χ^2/NDF: 98.5/106

- sign -0.000+/-0.000 χ^2/NDF: 54.3/54

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5575554.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7966209.9/31

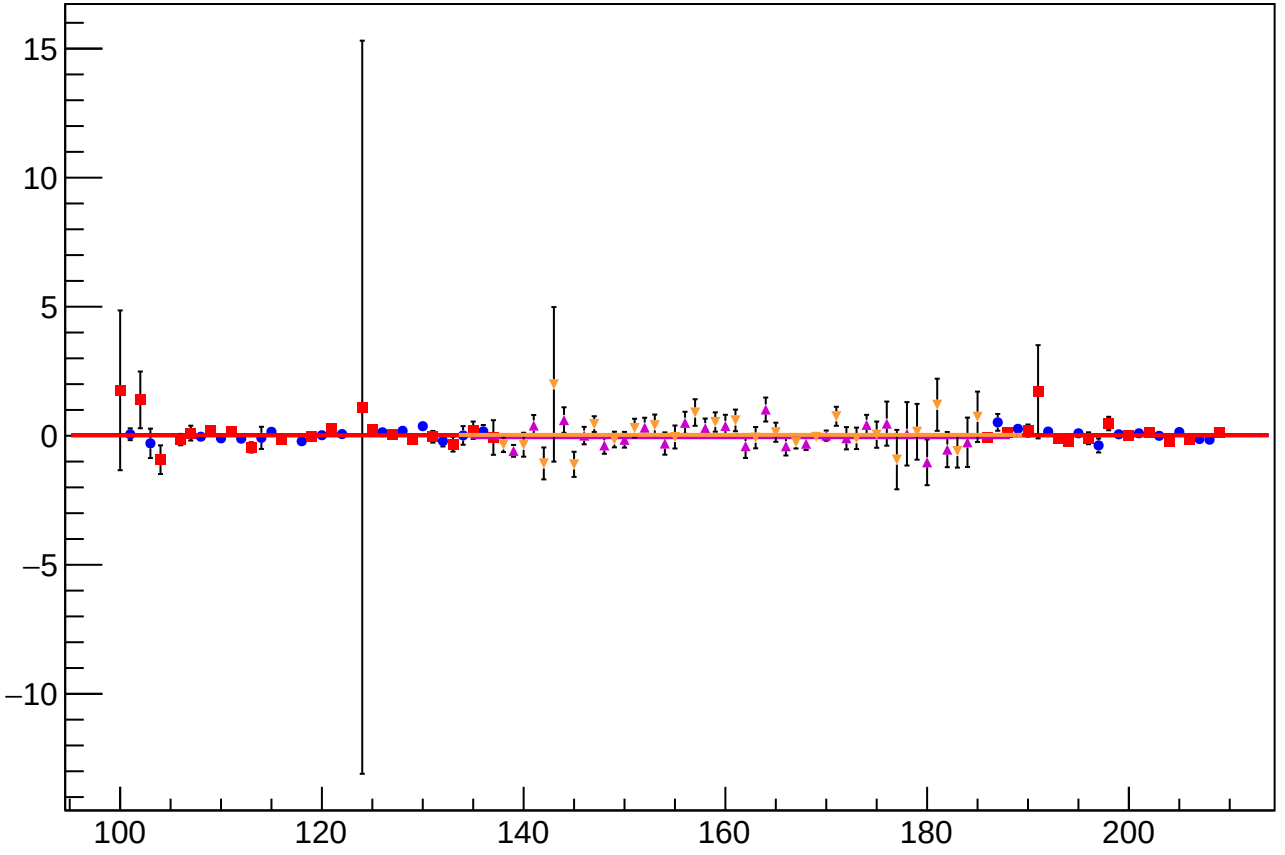
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 18322617.1/51

All: 0.000+/-0.000 χ^2/NDF: 33426678.8/106

- sign 0.000+/-0.000 χ^2/NDF: 10765468.9/54

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.017+/-0.031 χ^2/NDF: 37.1/31

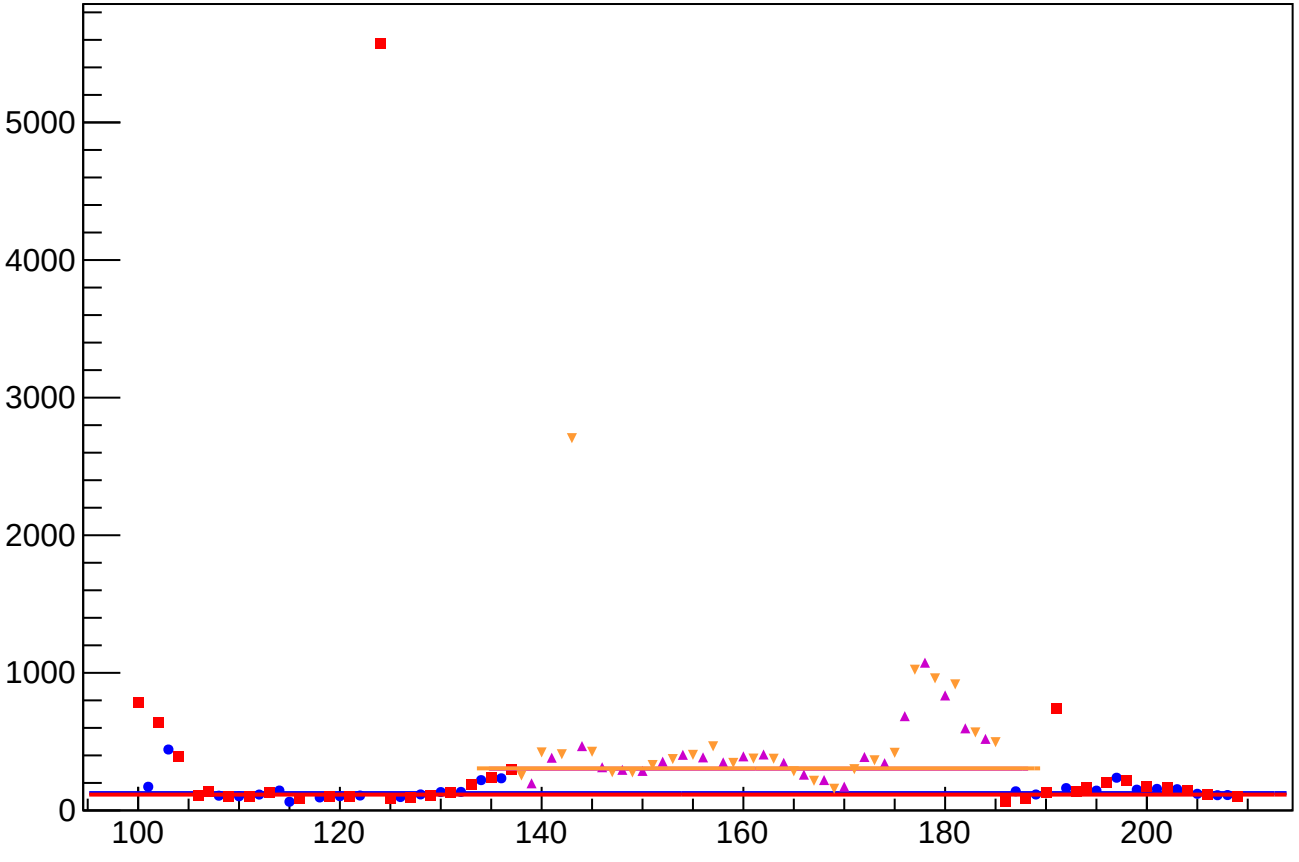
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.015+/-0.021 χ^2/NDF: 118.6/106

- sign 0.006+/-0.029 χ^2/NDF: 63.9/54

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 115.240+/-0.022 χ^2/NDF: 4398719.1/31

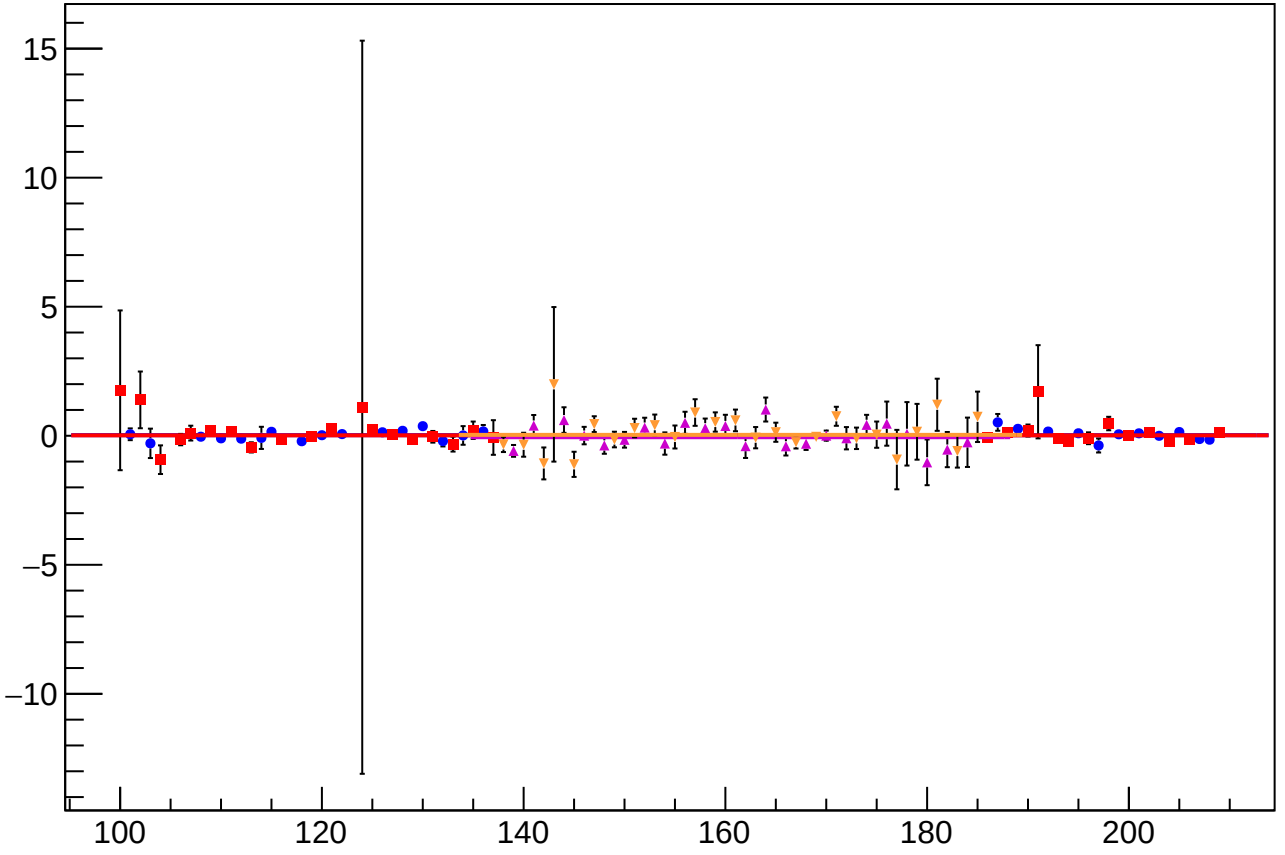
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 155.054+/-0.022 χ^2/NDF: 18031901.9/51

All: 147.803+/-0.015 χ^2/NDF: 37621152.0/10

- sign 141.569+/-0.020 χ^2/NDF: 19388332.0/54

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.017+/-0.031 χ^2/NDF: 37.1/31

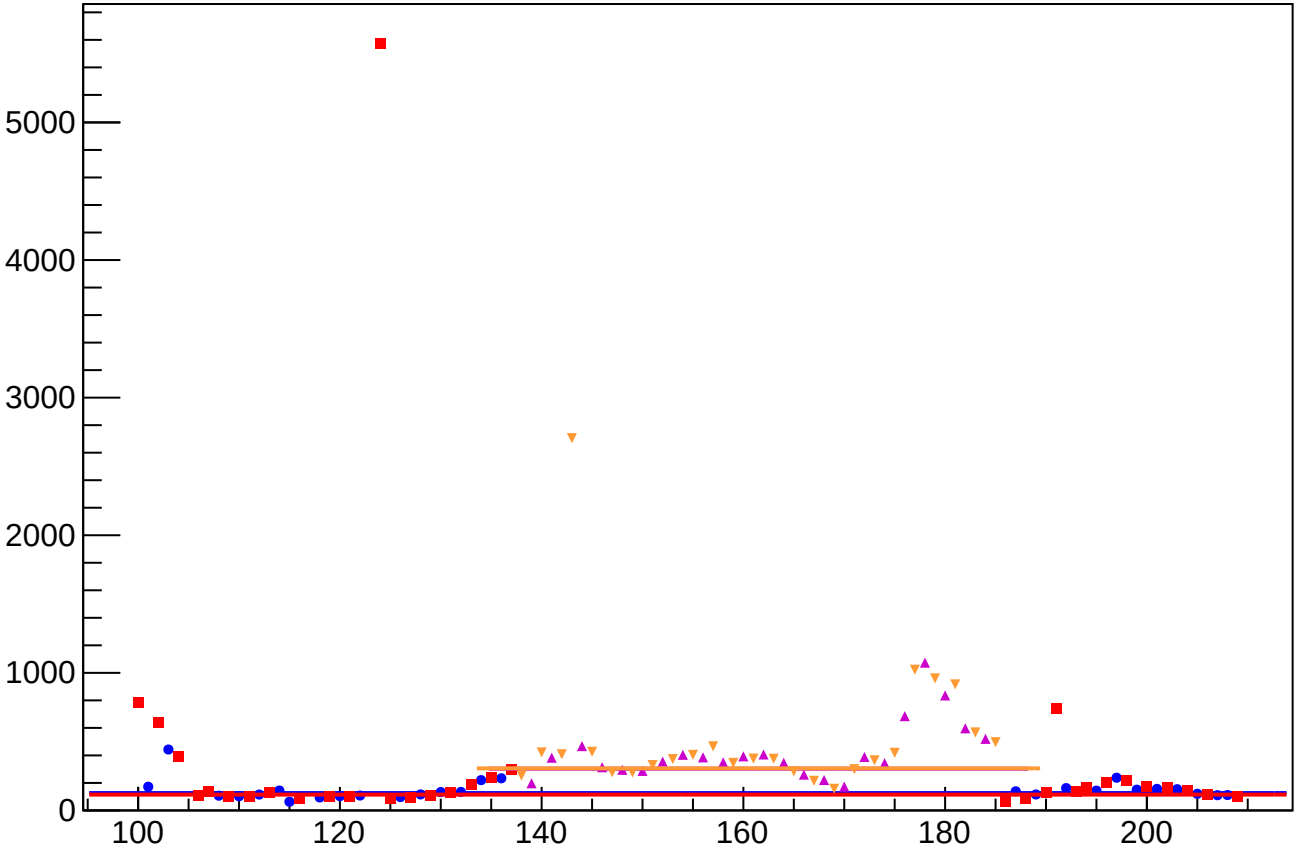
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.015+/-0.021 χ^2/NDF: 118.6/106

- sign 0.006+/-0.029 χ^2/NDF: 63.9/54

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

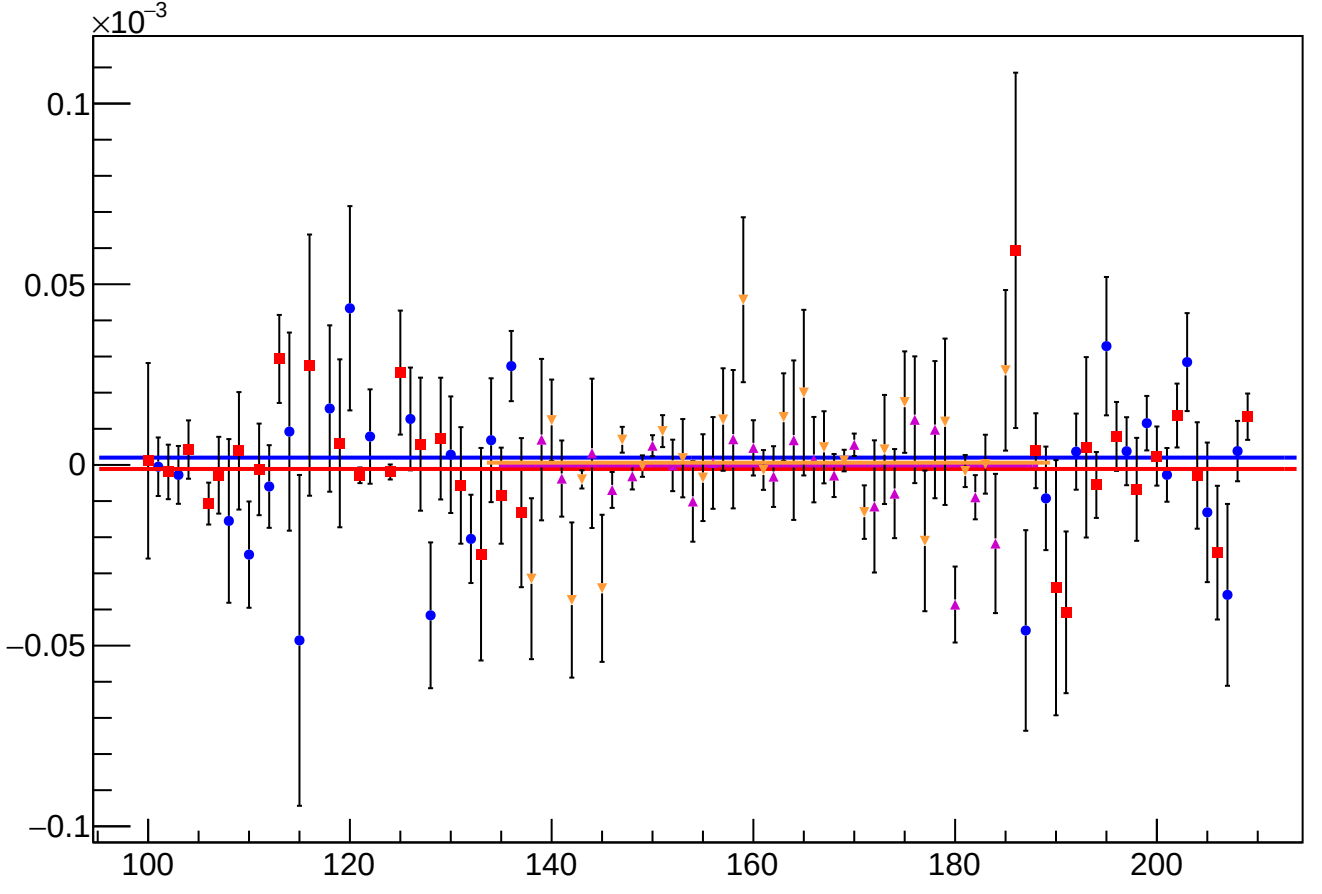
Right Out: 115.240+/-0.022 χ^2/NDF: 4398719.1/31

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 155.054+/-0.022 χ^2/NDF: 18031901.9/51

All: 147.803+/-0.015 χ^2/NDF: 37621152.0/10

- sign 141.569+/-0.020 χ^2/NDF: 19388332.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

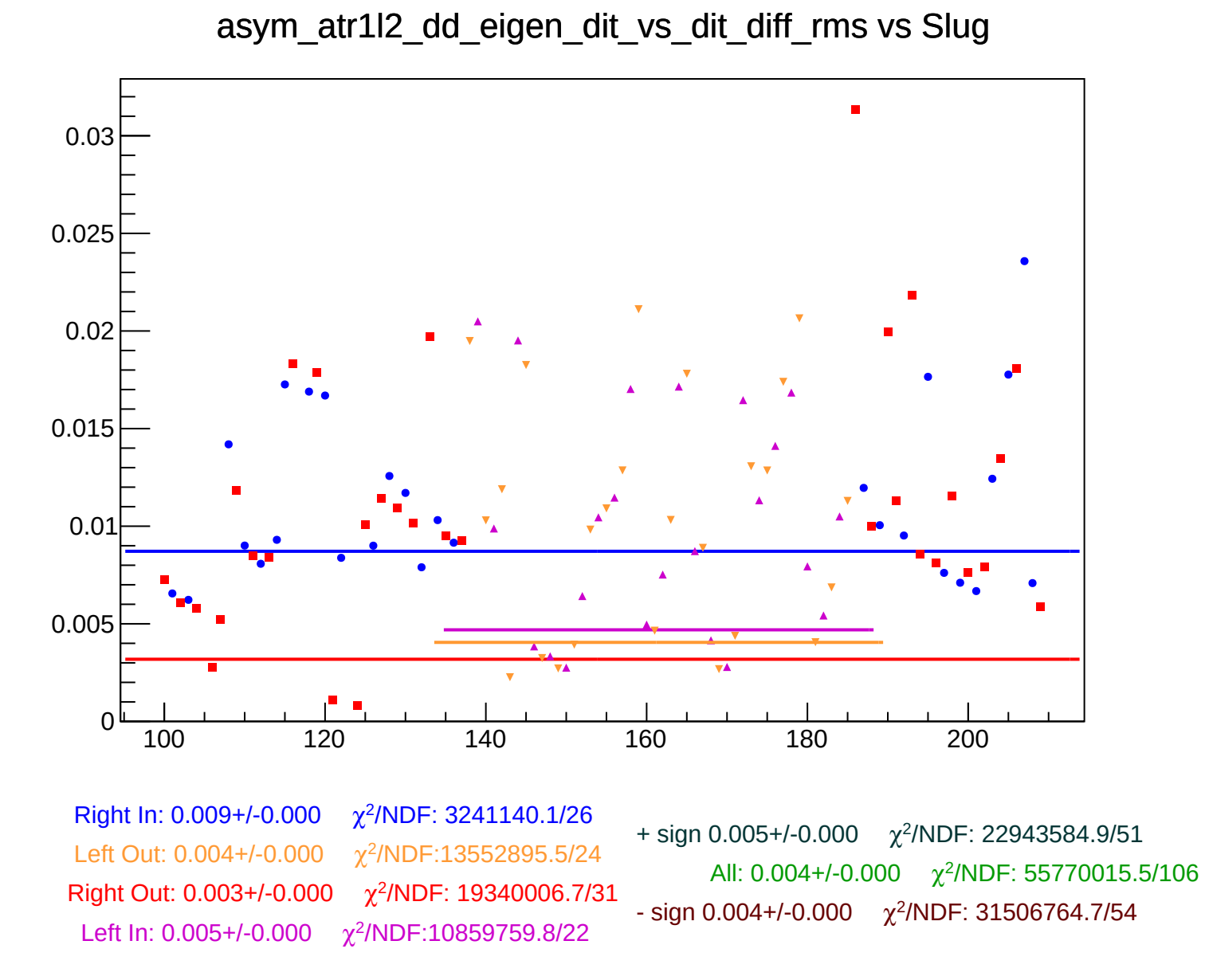
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/31

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

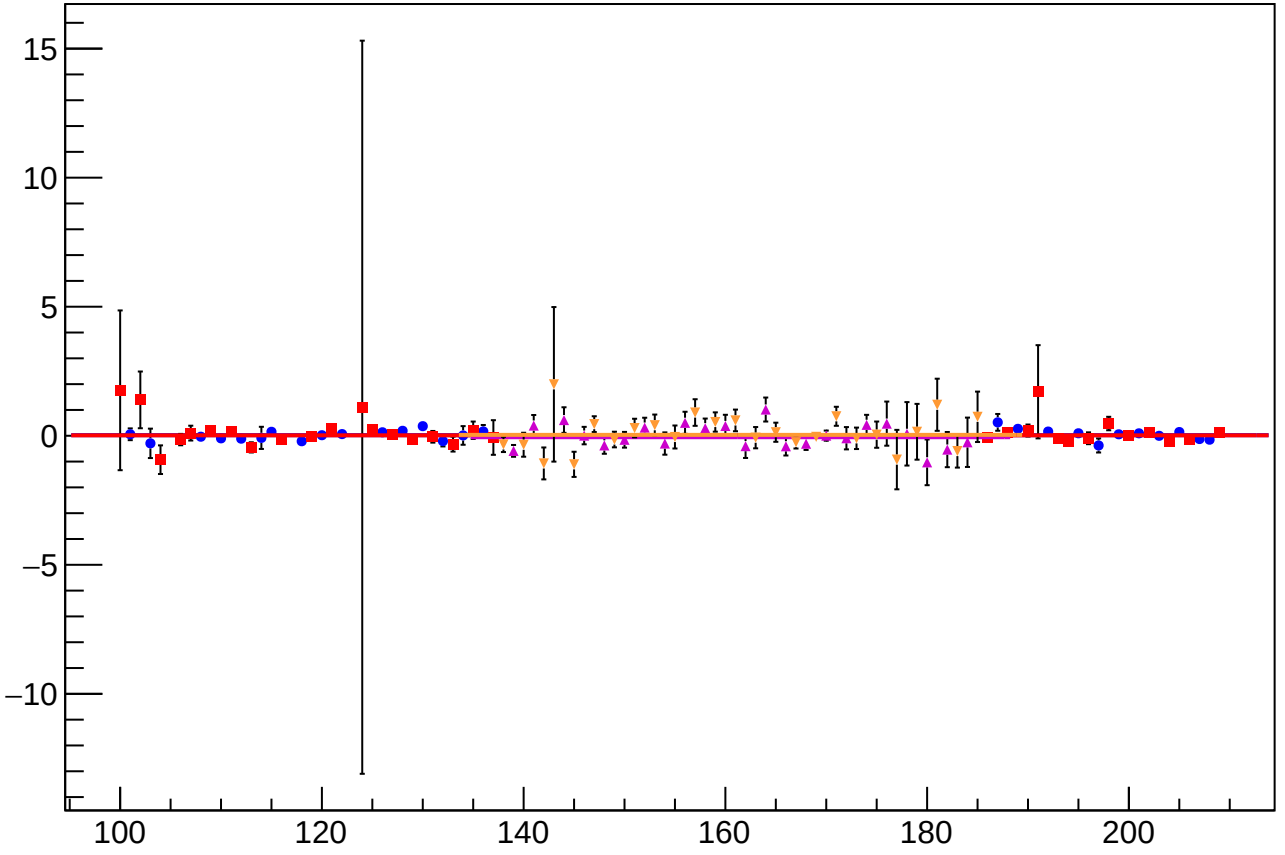
+ sign 0.000+/-0.000 χ^2/NDF: 74.2/51

All: -0.000+/-0.000 χ^2/NDF: 137.7/106

- sign -0.000+/-0.000 χ^2/NDF: 62.1/54


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: 3241140.1/26
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 19340006.7/31
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 22943584.9/51
All: 0.004+/-0.000 χ²/NDF: 55770015.5/106
- sign 0.004+/-0.000 χ²/NDF: 31506764.7/54

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.017+/-0.031 χ^2/NDF: 37.1/31

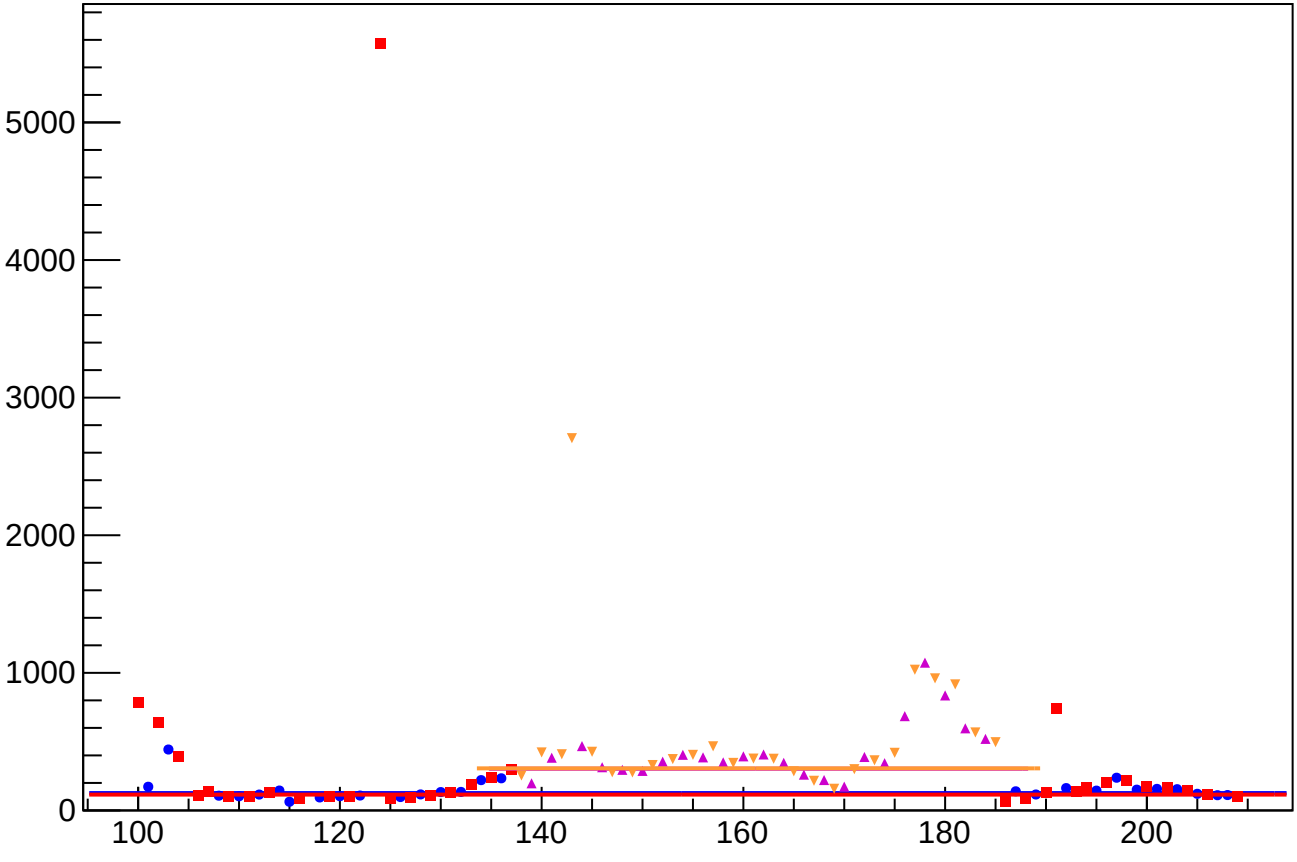
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.015+/-0.021 χ^2/NDF: 118.6/106

- sign 0.006+/-0.029 χ^2/NDF: 63.9/54

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 115.241+/-0.022 χ^2/NDF: 4398547.7/31

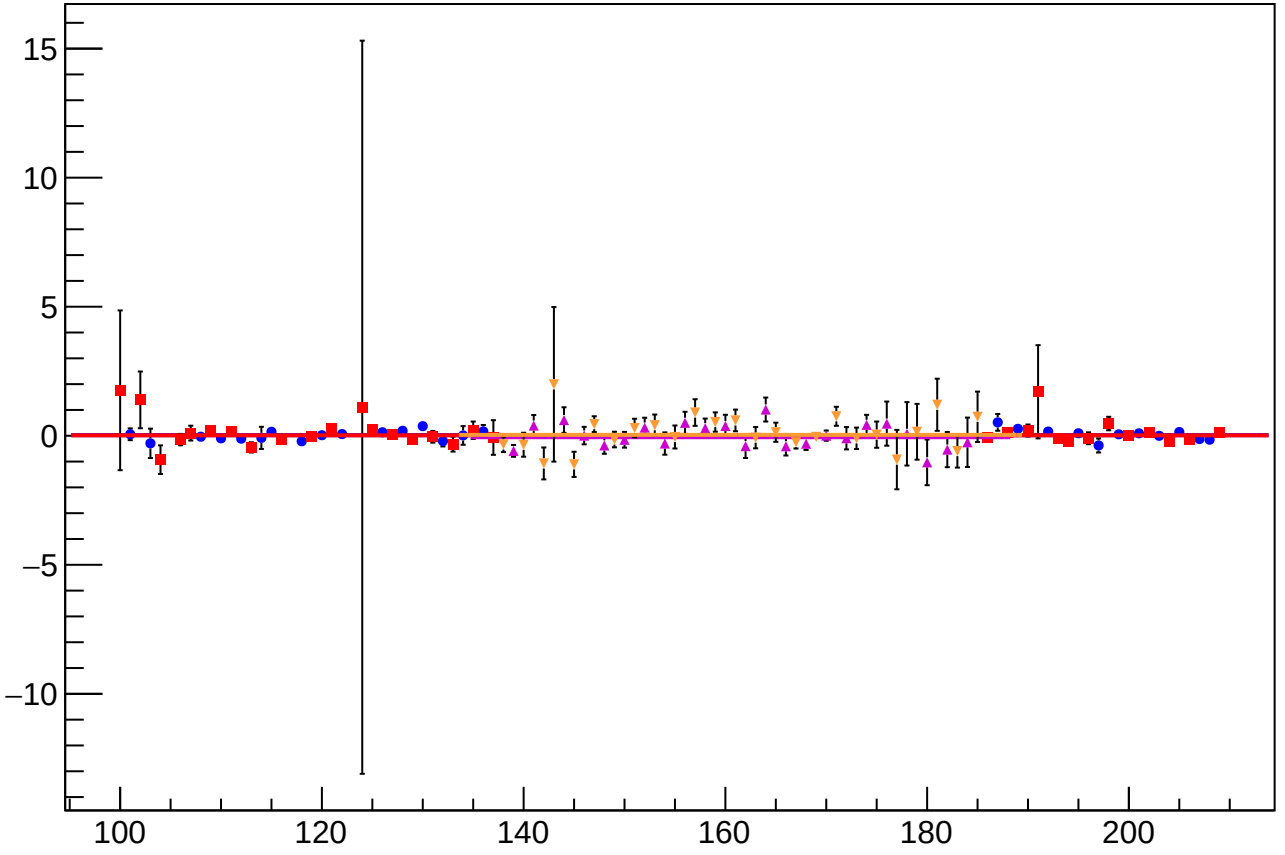
Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 155.055+/-0.022 χ^2/NDF: 18031893.8/51

All: 147.804+/-0.015 χ^2/NDF: 37620994.3/10

- sign 141.570+/-0.020 χ^2/NDF: 19388181.3/54

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

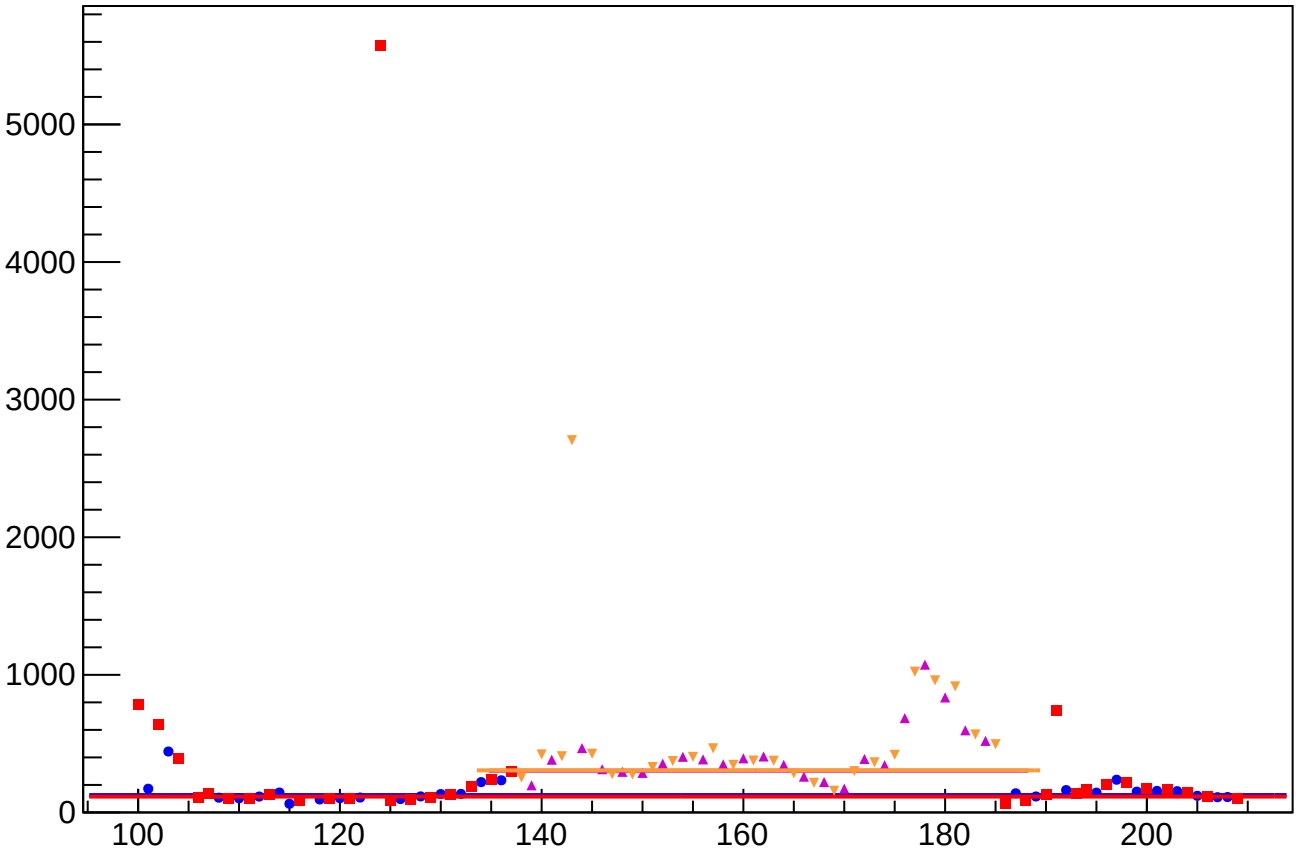
Right Out: 0.017+/-0.031 χ^2/NDF: 37.1/31

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.025+/-0.031 χ^2/NDF: 54.5/51

All: 0.015+/-0.021 χ^2/NDF: 118.6/106

- sign 0.006+/-0.029 χ^2/NDF: 63.9/54



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

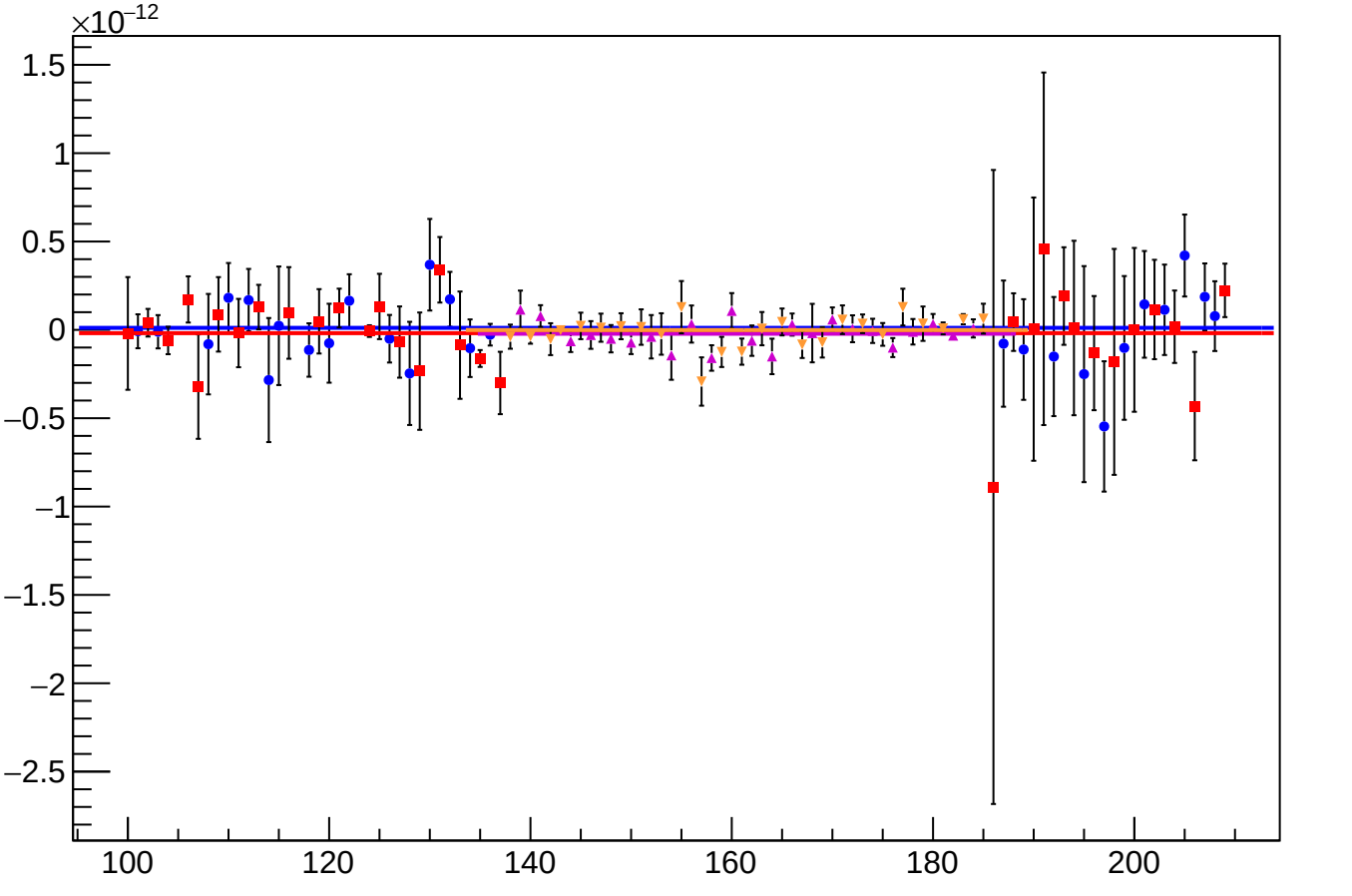
Right Out: 115.241+/-0.022 χ^2/NDF: 4398547.7/31

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 155.055+/-0.022 χ^2/NDF: 18031893.8/51

All: 147.804+/-0.015 χ^2/NDF: 37620994.3/10

- sign 141.570+/-0.020 χ^2/NDF: 19388181.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

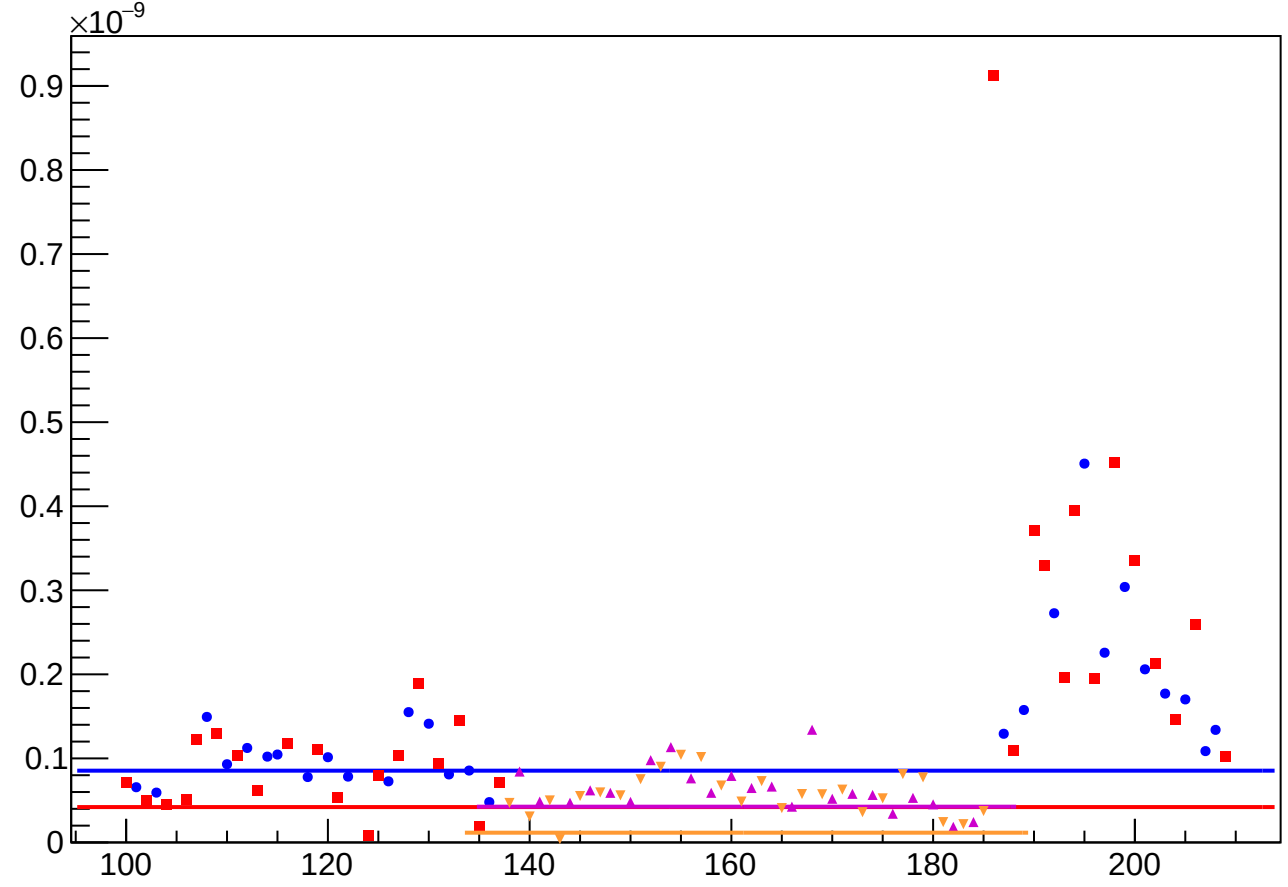
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/31

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.8/51

All: -0.000+/-0.000 χ^2/NDF: 91.4/106

- sign -0.000+/-0.000 χ^2/NDF: 49.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 4740193.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12518563.5/31

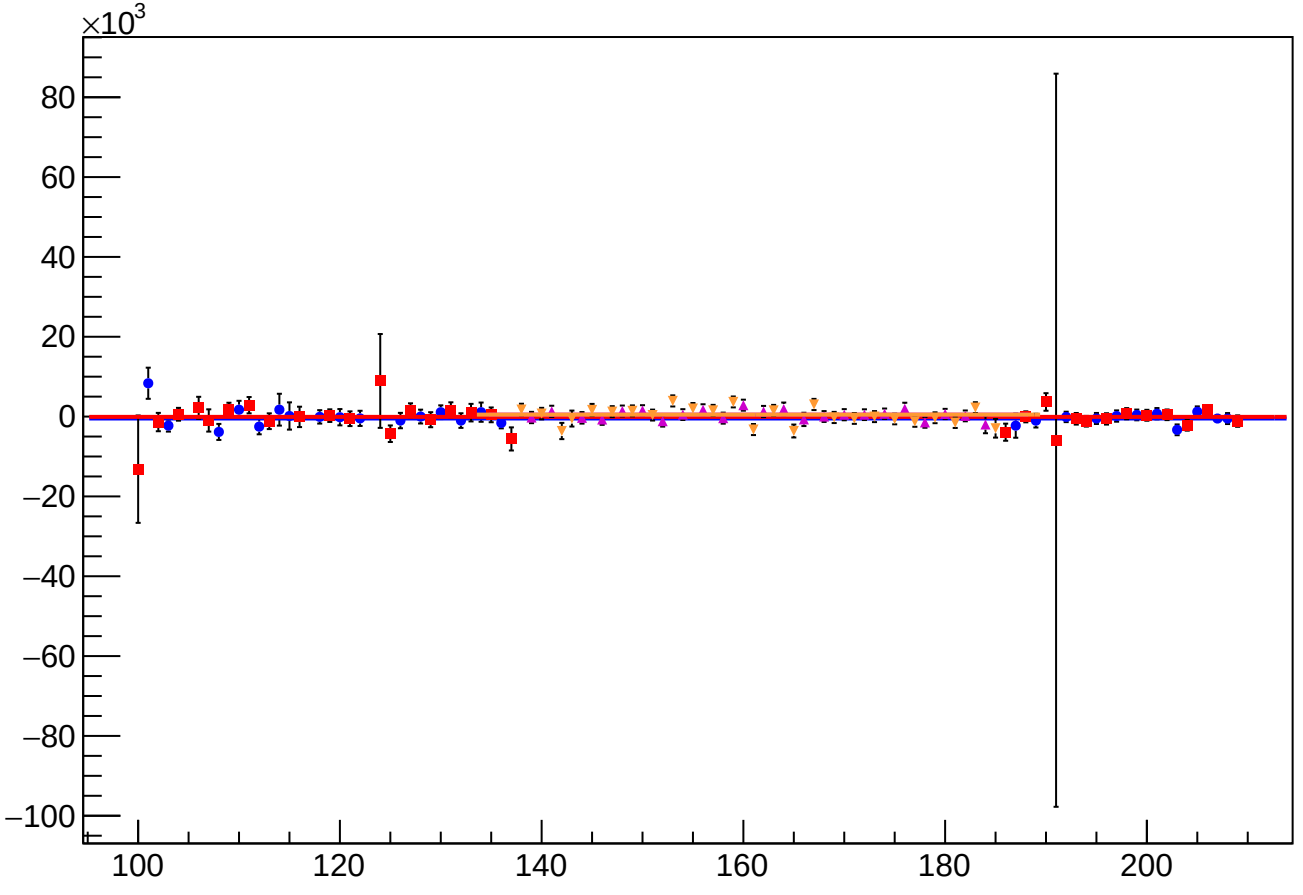
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 32986607.0/51

All: 0.000+/-0.000 χ^2/NDF: 61070127.4/106

- sign 0.000+/-0.000 χ^2/NDF: 17939231.2/54

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -72.414+/-315.956 χ^2/NDF: 28.6/31

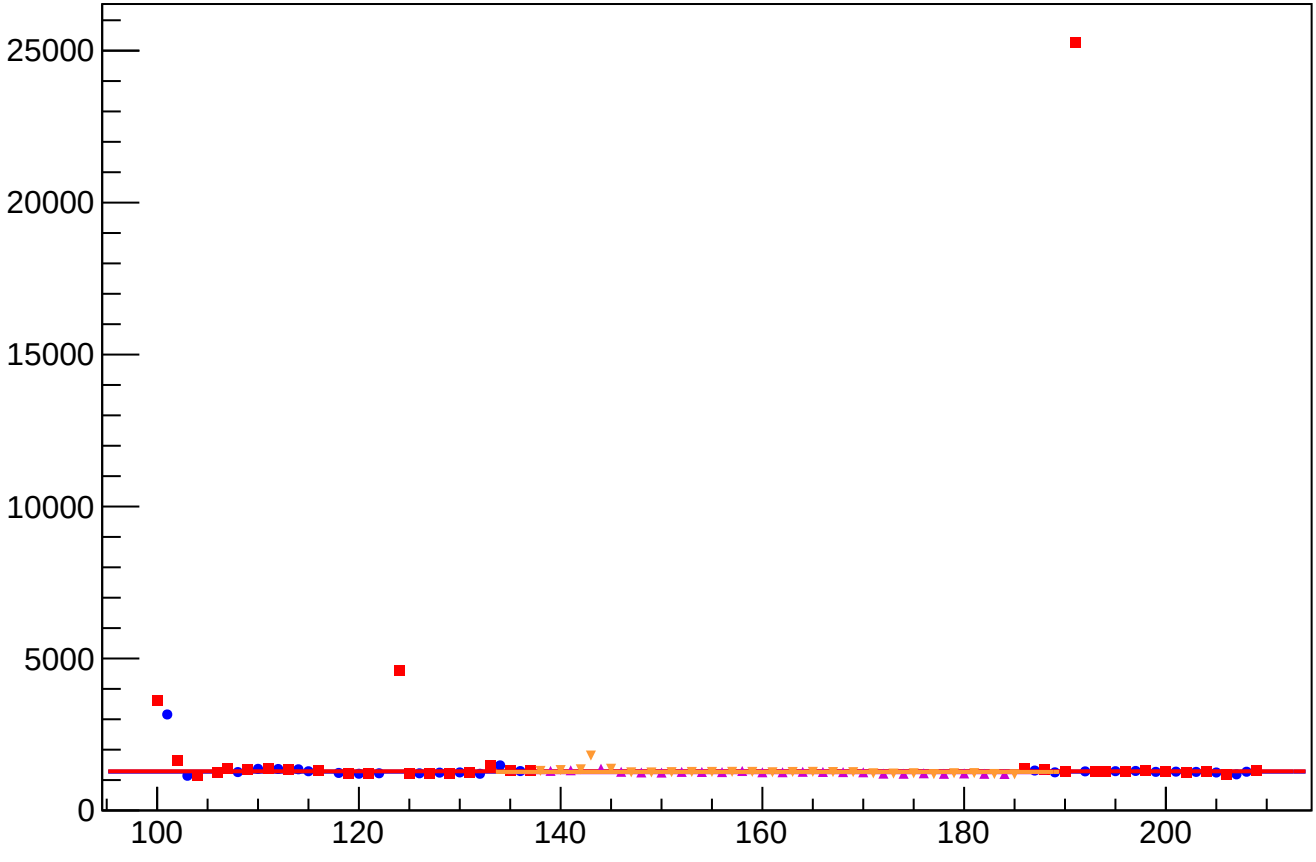
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.988+/-215.328 χ^2/NDF: 73.8/51

All: 144.829+/-152.194 χ^2/NDF: 118.8/106

- sign 227.527+/-215.143 χ^2/NDF: 44.7/54

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

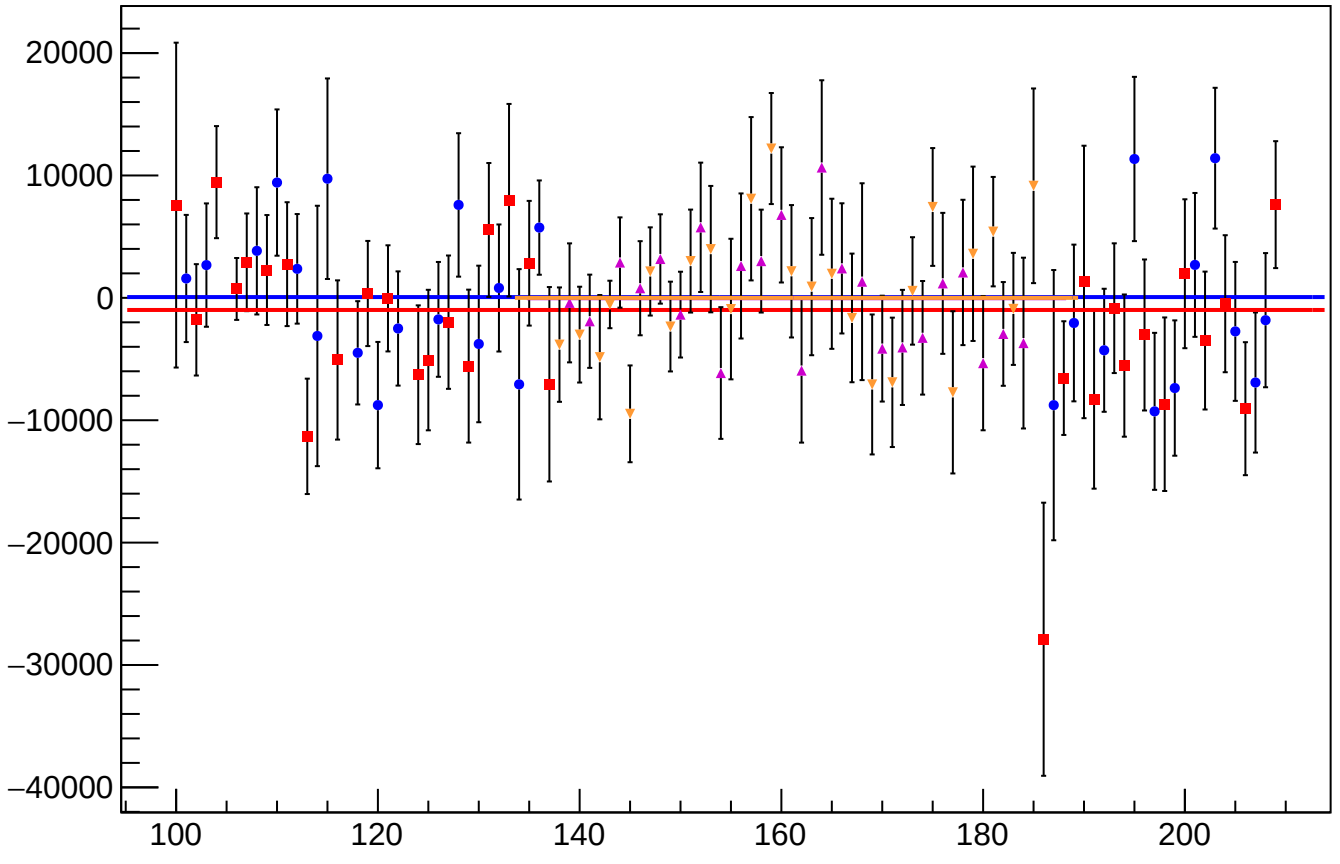
Right Out: 1288.848+/-0.223 χ^2/NDF: 482656.1/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716796.8/51

All: 1271.571+/-0.108 χ^2/NDF: 1246828.5/10

- sign 1272.079+/-0.152 χ^2/NDF: 530009.3/54



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

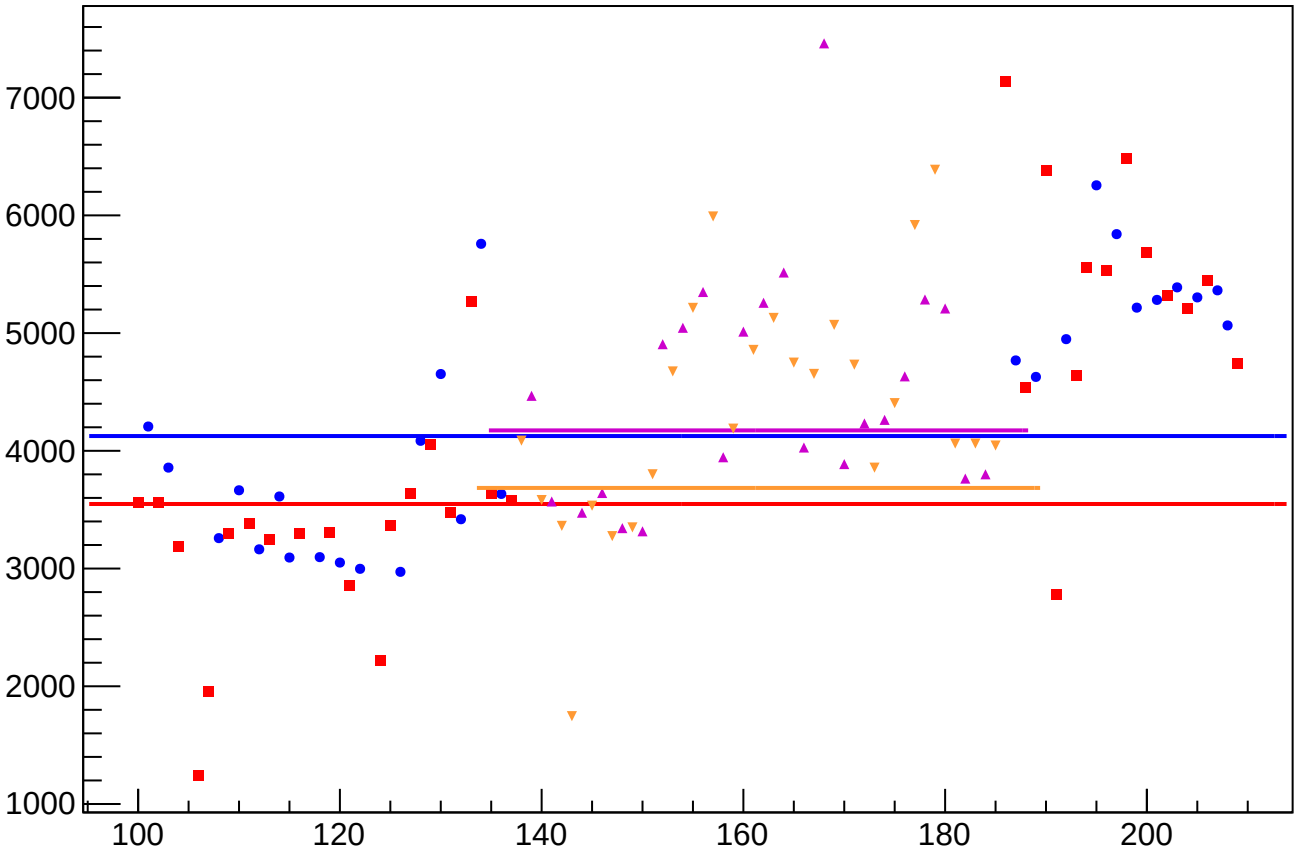
Right Out: -990.257+/-926.828 χ^2/NDF: 34.9/31

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

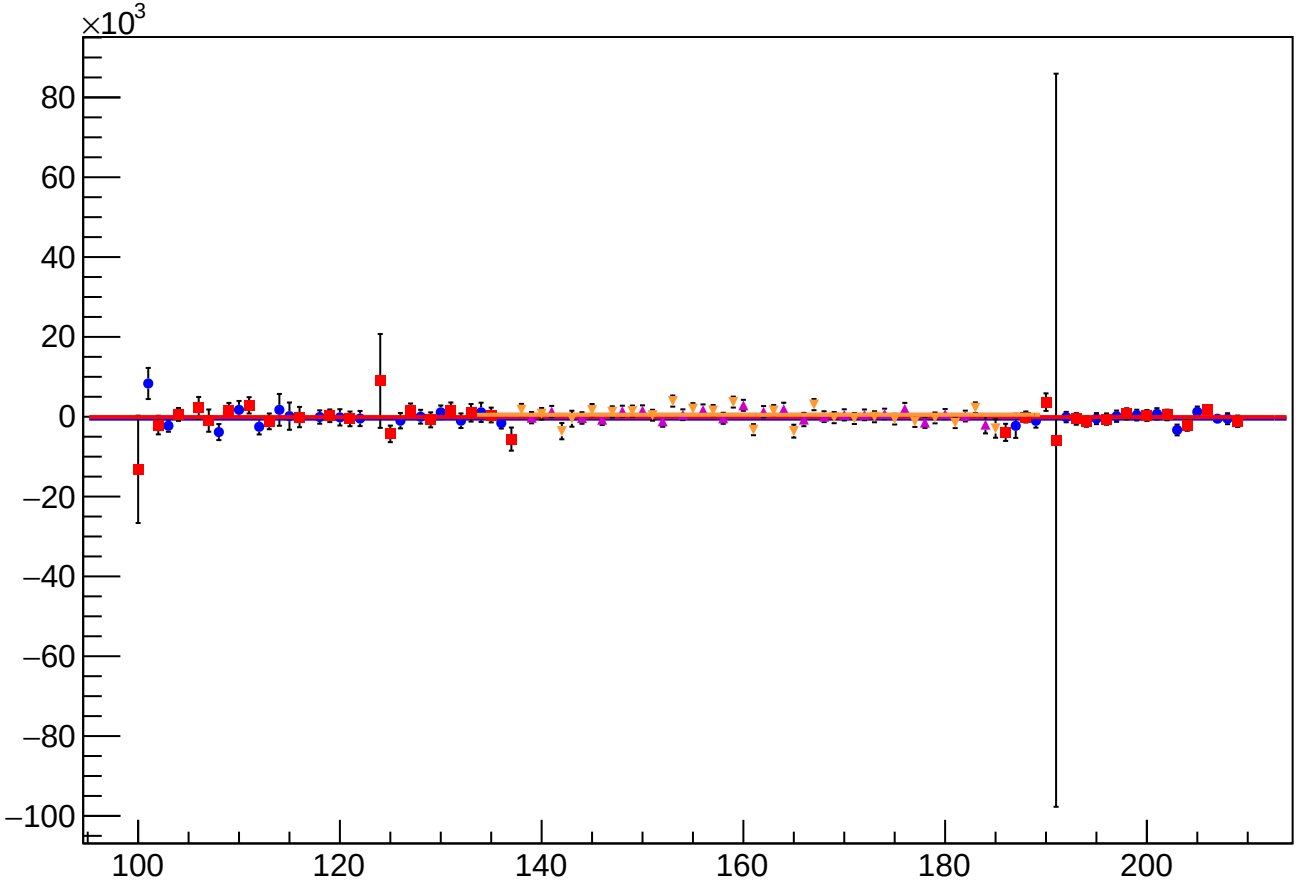
+ sign 25.399+/-682.434 χ^2/NDF: 57.6/51

All: -261.562+/-481.085 χ^2/NDF: 107.4/106

- sign -545.055+/-678.298 χ^2/NDF: 49.4/54


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4125.558+/-0.756 χ²/NDF: 1696125.4/26
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3548.368+/-0.655 χ²/NDF: 4589244.6/31
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
+ sign 3864.338+/-0.483 χ²/NDF: 5591212.3/51
All: 3851.443+/-0.340 χ²/NDF: 11879458.5/1
- sign 3838.704+/-0.480 χ²/NDF: 6286826.8/54

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -84.649+/-316.044 χ^2/NDF: 29.0/31

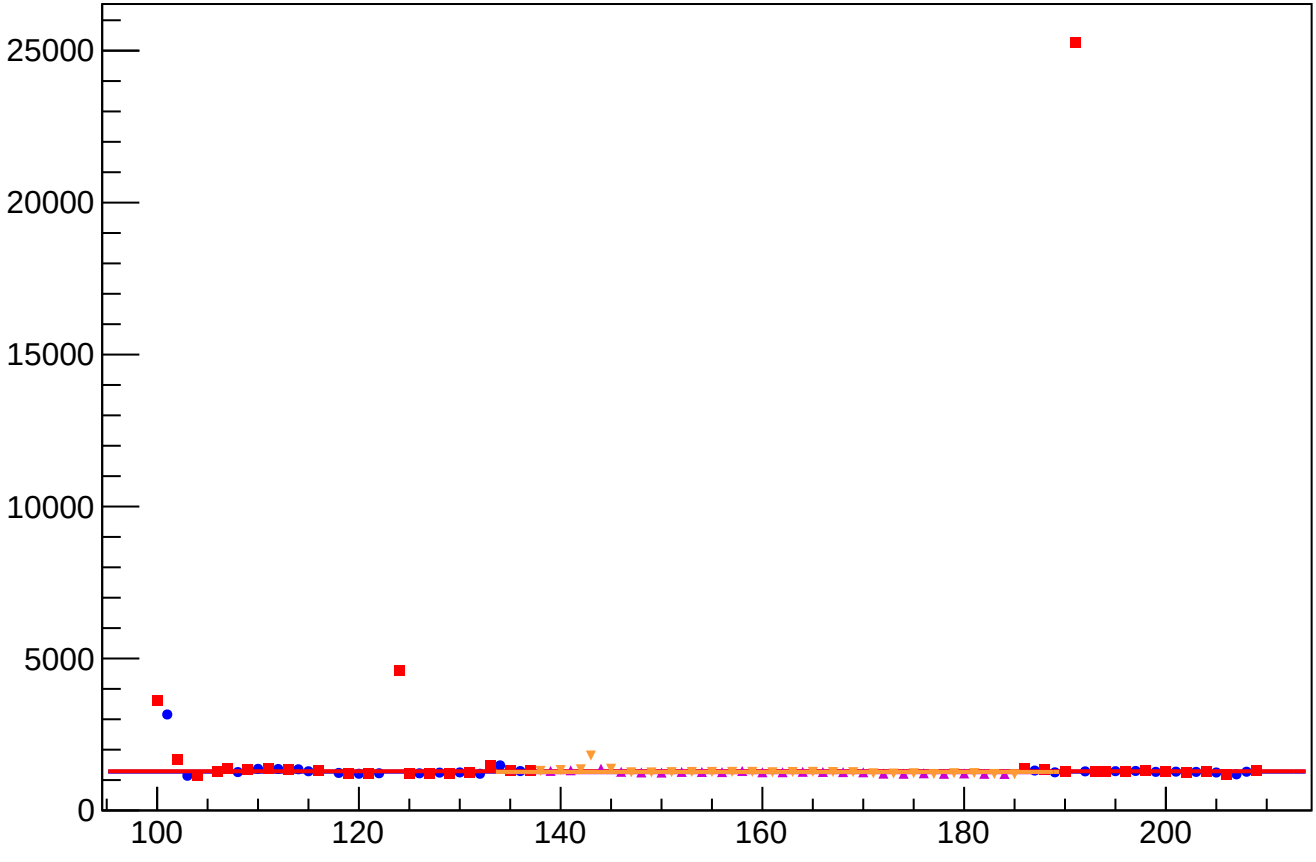
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 141.965+/-152.204 χ^2/NDF: 119.3/106

- sign 221.879+/-215.170 χ^2/NDF: 45.2/54

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

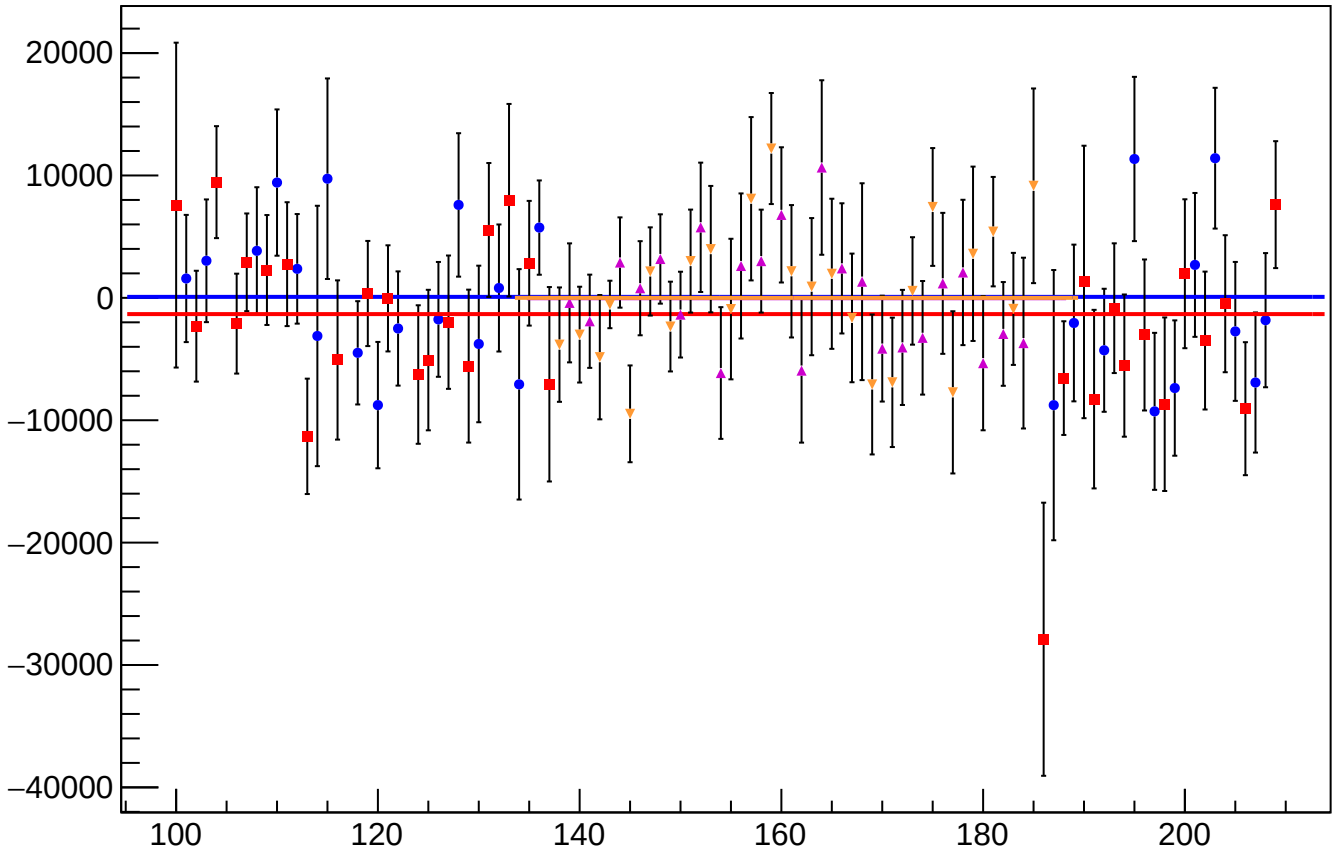
Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

- sign 1272.460+/-0.152 χ^2/NDF: 537461.9/54



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

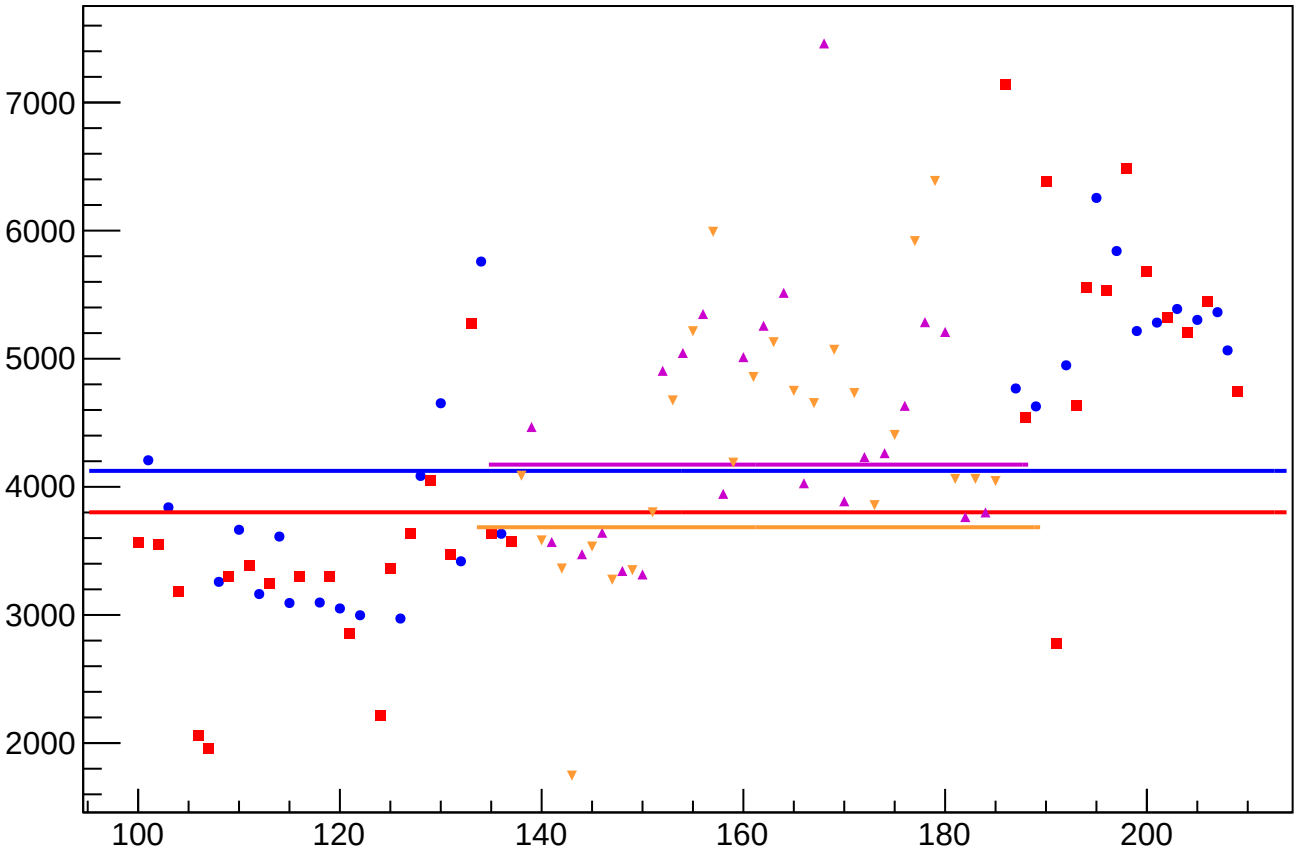
Right Out: -1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -326.680+/-486.480 χ^2/NDF: 107.6/106

- sign -697.836+/-693.741 χ^2/NDF: 49.4/54



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

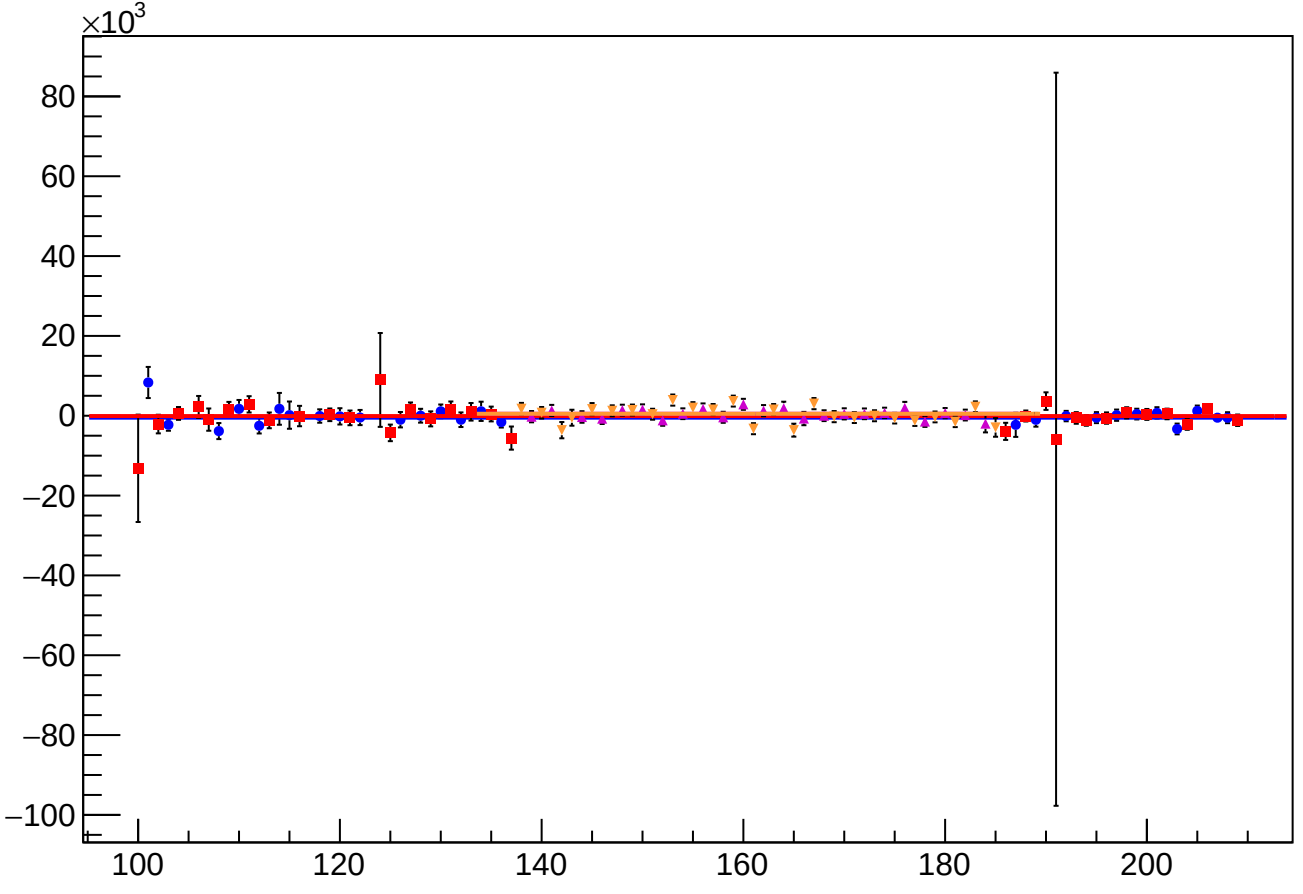
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1

- sign 3982.216+/-0.491 χ^2/NDF: 4473353.8/54

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -84.649+/-316.044 χ^2/NDF: 29.0/31

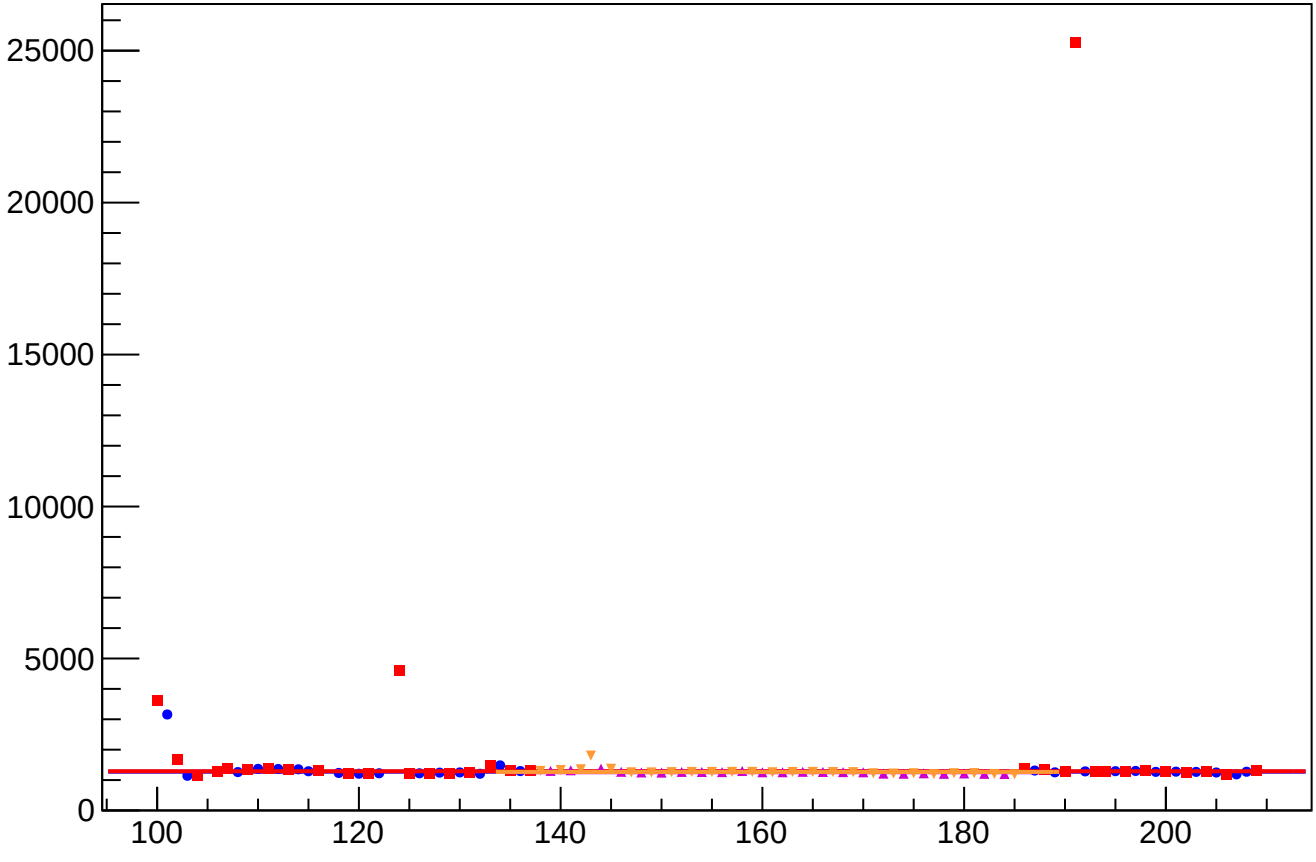
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 141.965+/-152.204 χ^2/NDF: 119.3/106

- sign 221.879+/-215.170 χ^2/NDF: 45.2/54

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

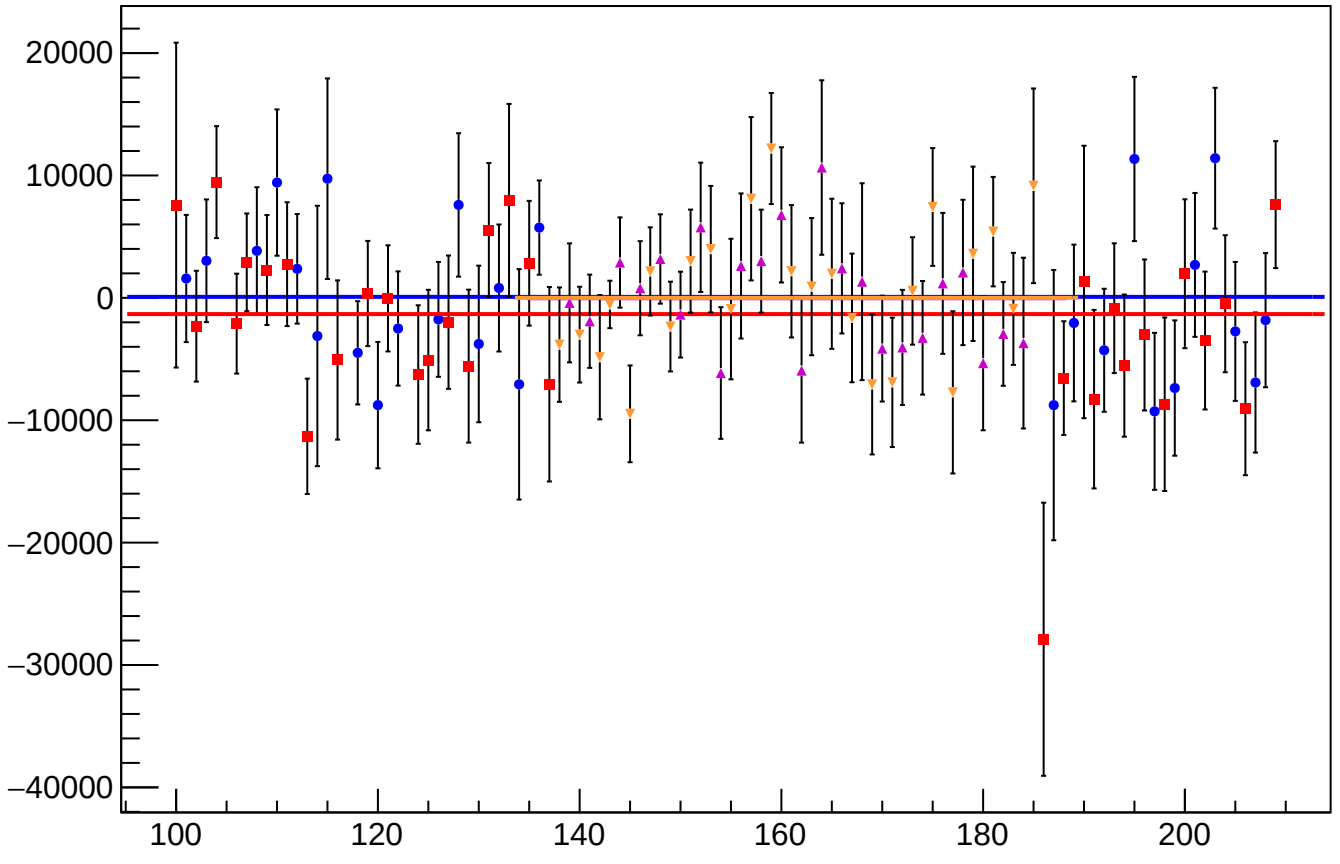
Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

- sign 1272.460+/-0.152 χ^2/NDF: 537461.9/54



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

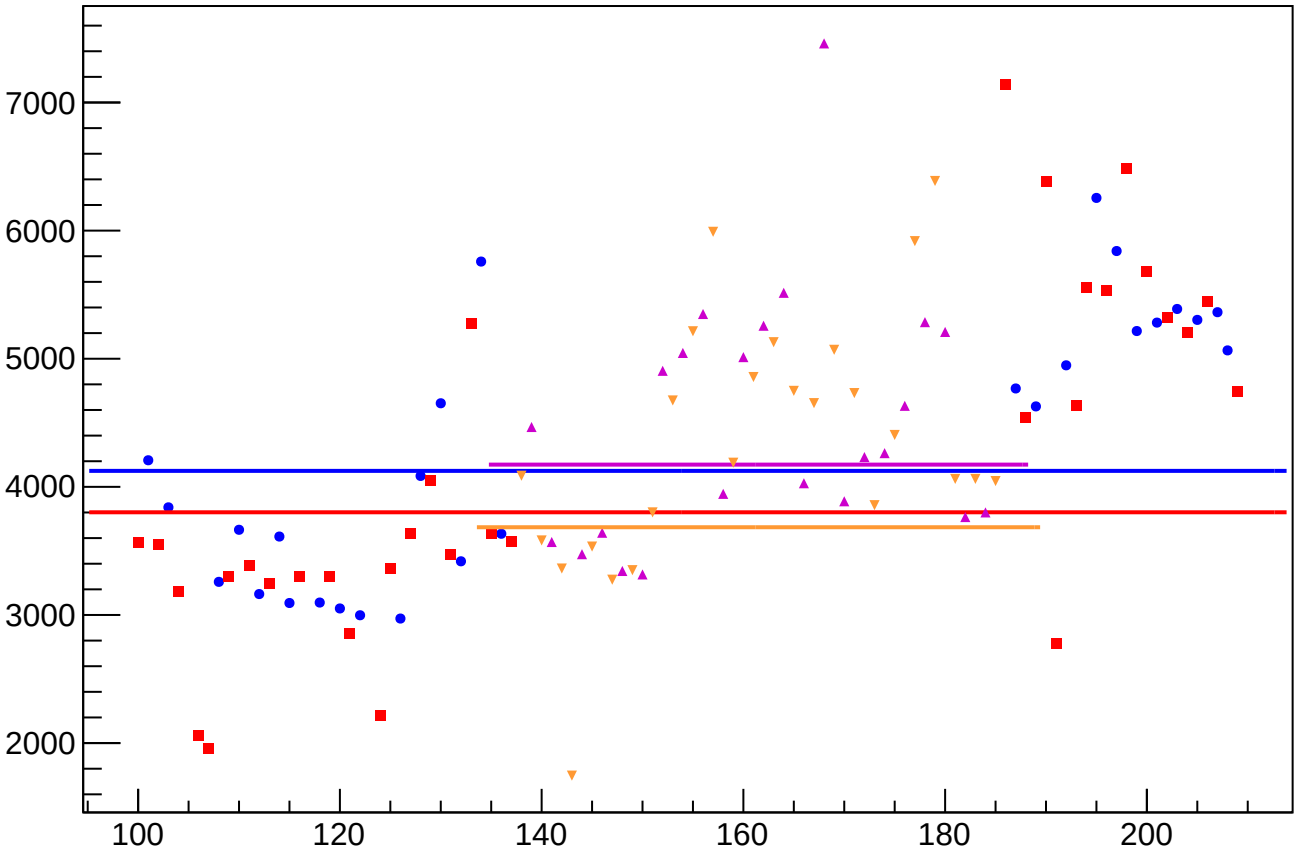
Right Out: -1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -326.680+/-486.480 χ^2/NDF: 107.6/106

- sign -697.836+/-693.741 χ^2/NDF: 49.4/54



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

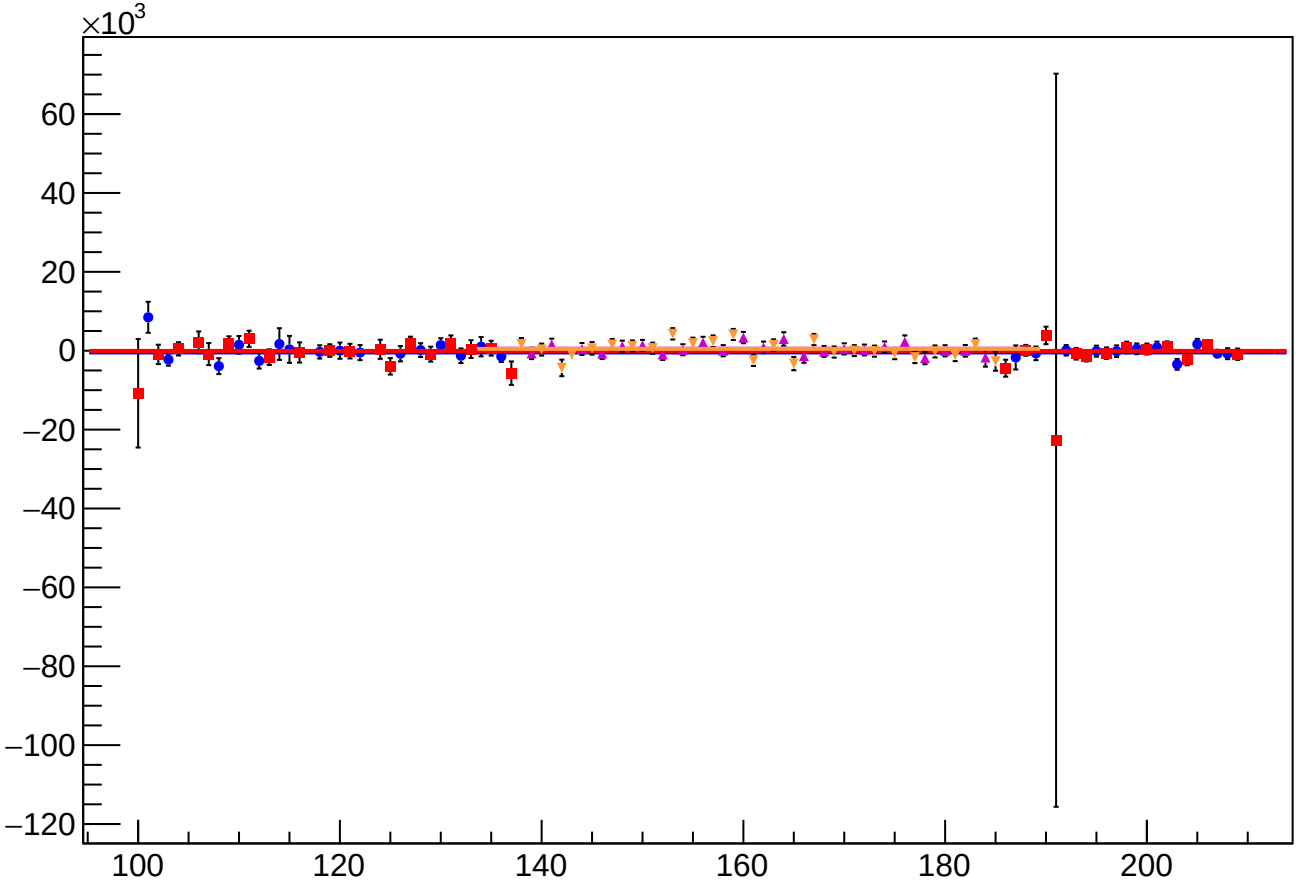
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1

- sign 3982.216+/-0.491 χ^2/NDF: 4473353.8/54

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -47.938+/-318.441 χ^2/NDF: 29.4/31

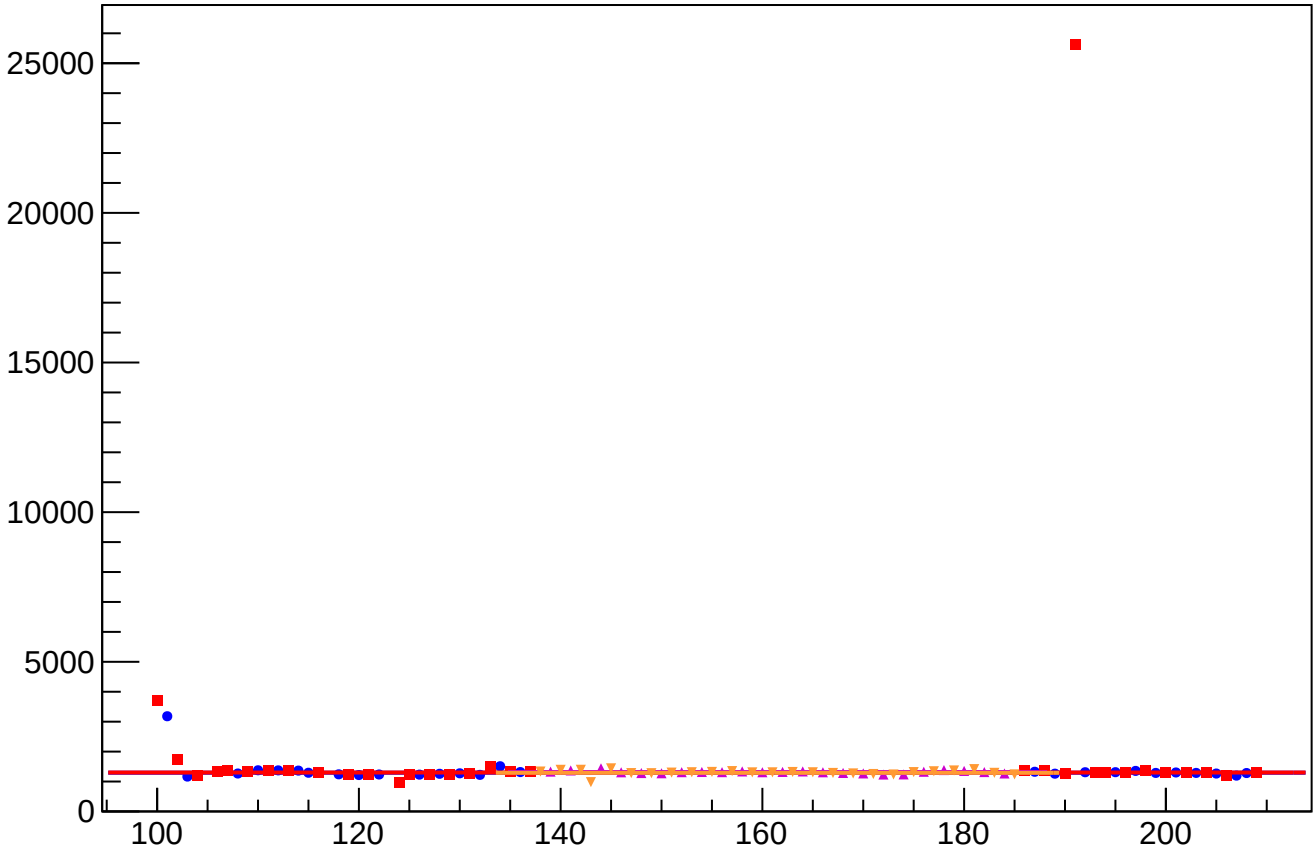
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 64.500+/-219.054 χ^2/NDF: 71.6/51

All: 150.392+/-155.591 χ^2/NDF: 120.2/106

- sign 237.845+/-221.036 χ^2/NDF: 48.3/54

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

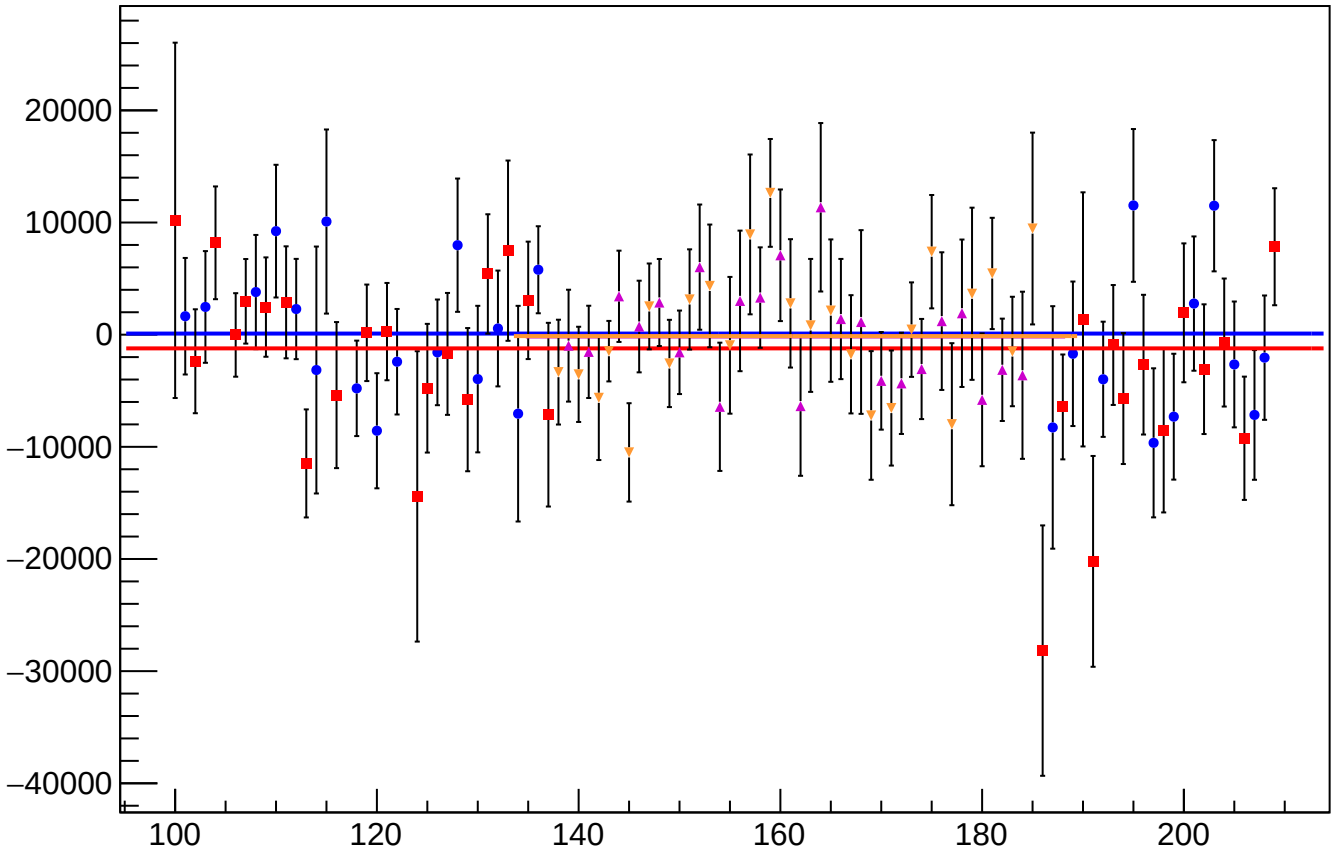
Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.7/31

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF: 759741.3/51

All: 1299.972+/-0.110 χ^2/NDF: 1187591.5/10

- sign 1307.665+/-0.156 χ^2/NDF: 423045.8/54



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

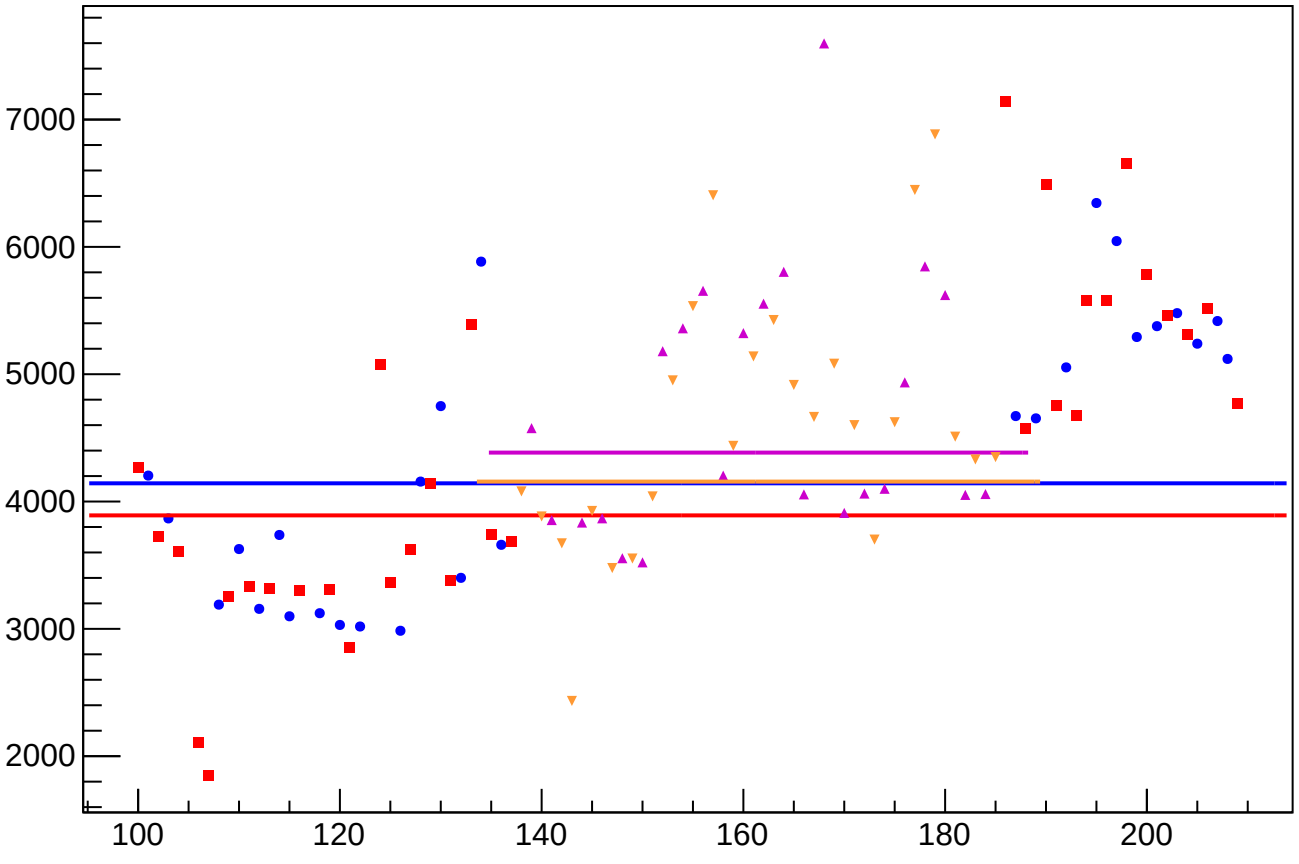
Right Out: -1222.316+/-984.024 χ^2/NDF: 36.2/31

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

\+ sign -25.222+/-723.091 χ^2/NDF: 57.0/51

All: -377.303+/-508.978 χ^2/NDF: 108.0/106

\- sign -723.054+/-716.561 χ^2/NDF: 50.5/54



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

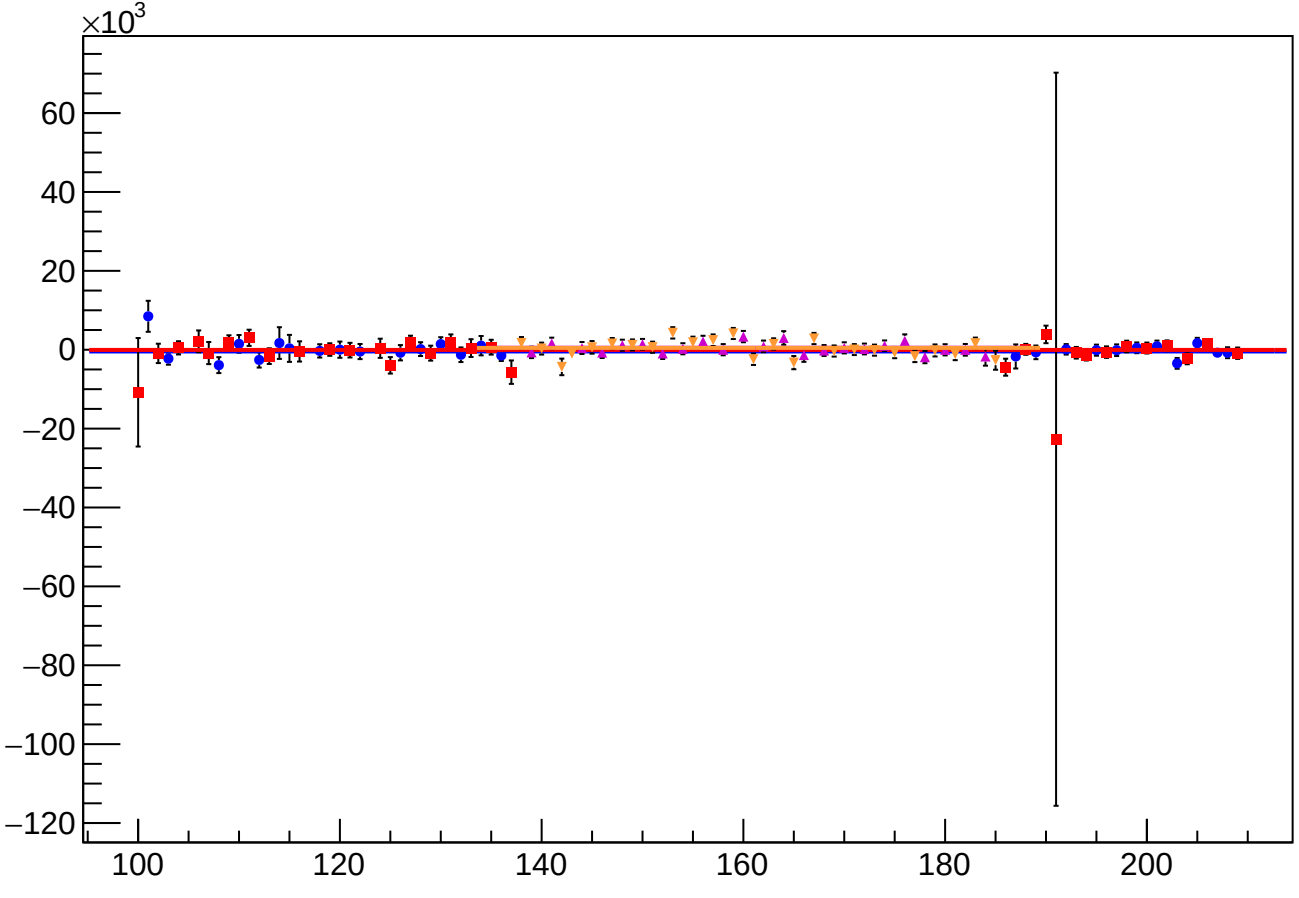
Right Out: 3891.188+/-0.696 χ^2/NDF: 3116996.9/31

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF: 3866181.9/51

All: 4136.526+/-0.360 χ^2/NDF: 8476063.9/10

- sign 4122.829+/-0.507 χ^2/NDF: 4608407.2/54



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -47.936+/-318.441 χ^2/NDF: 29.4/31

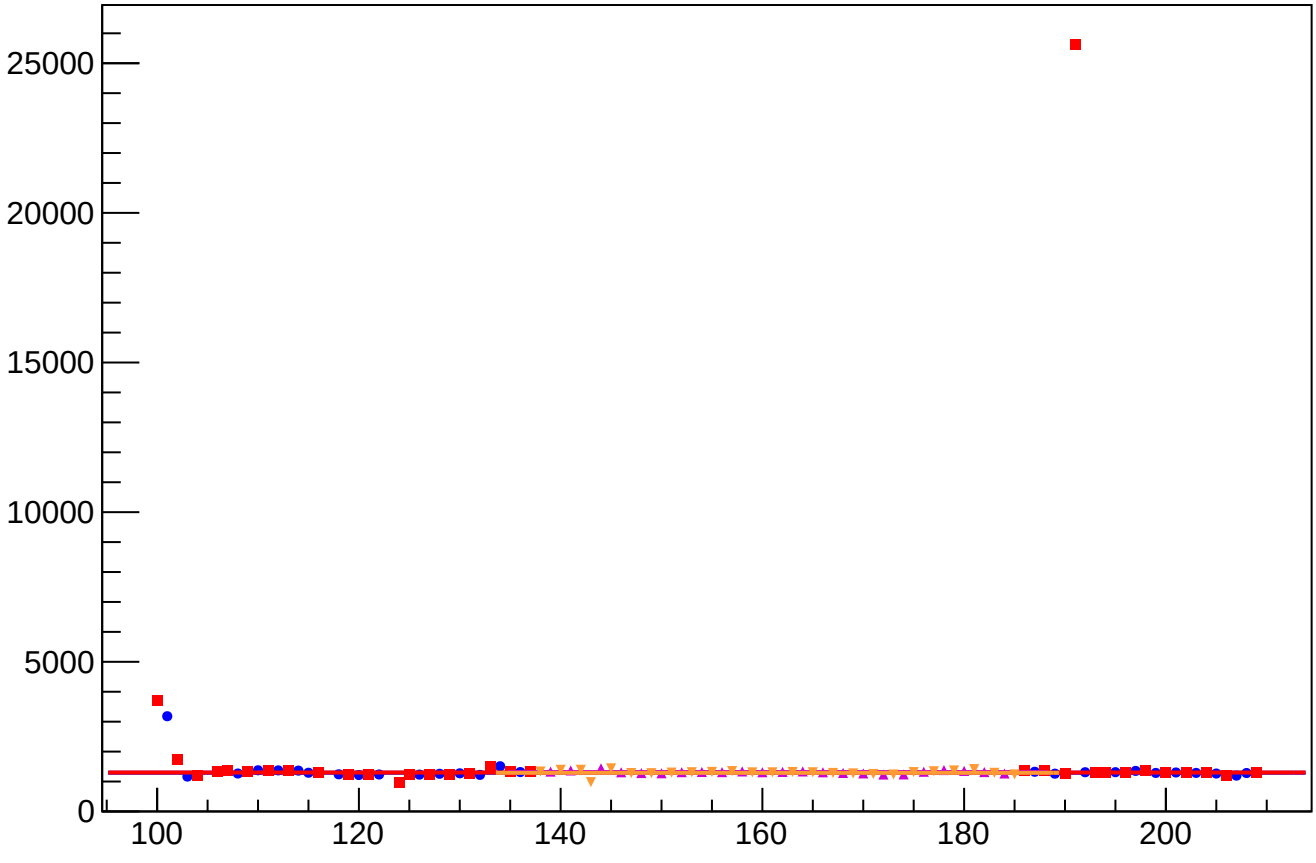
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 64.501+/-219.054 χ^2/NDF: 71.6/51

All: 150.393+/-155.591 χ^2/NDF: 120.2/106

- sign 237.846+/-221.037 χ^2/NDF: 48.3/54

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

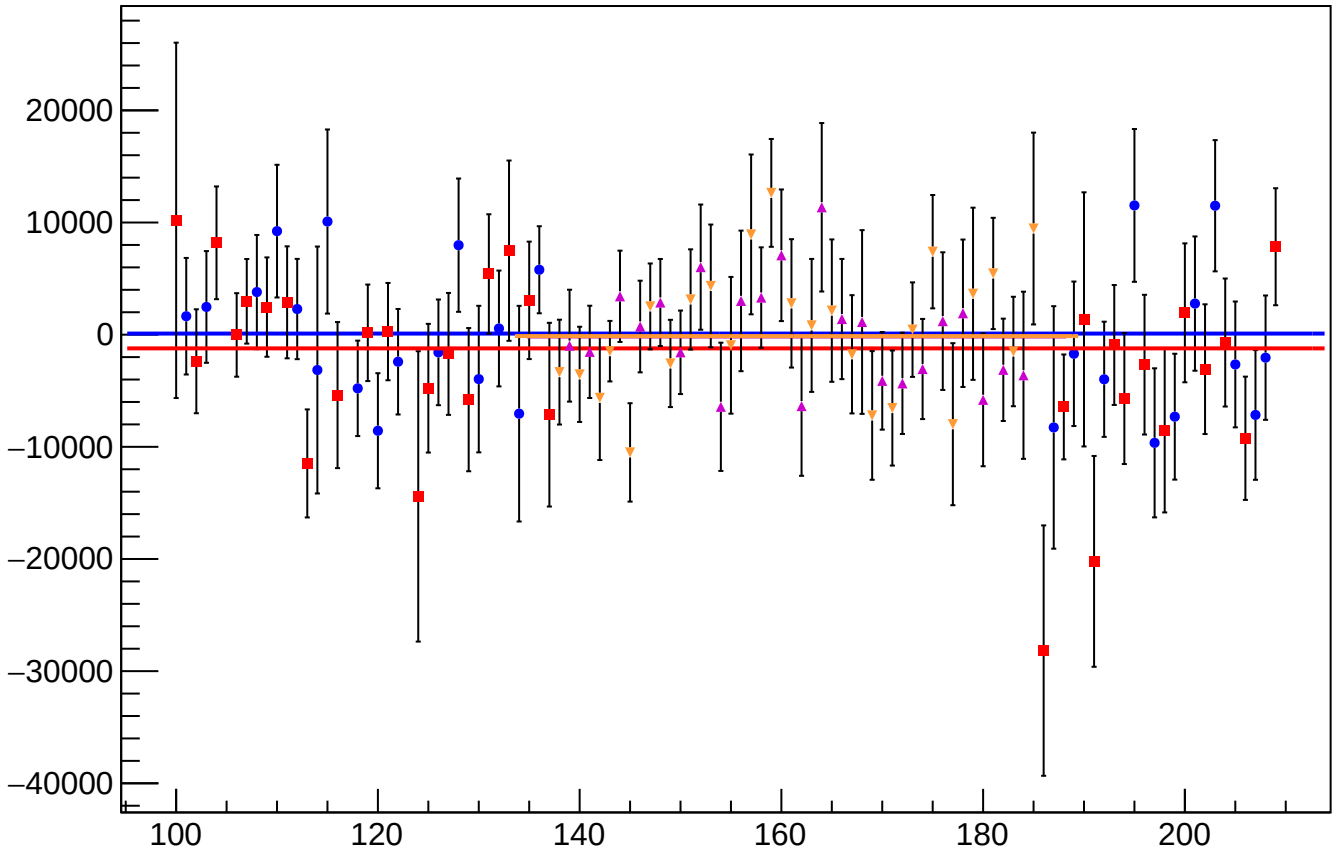
Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.8/31

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF: 759743.7/51

All: 1299.973+/-0.110 χ^2/NDF: 1187596.6/10

- sign 1307.666+/-0.156 χ^2/NDF: 423048.3/54



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

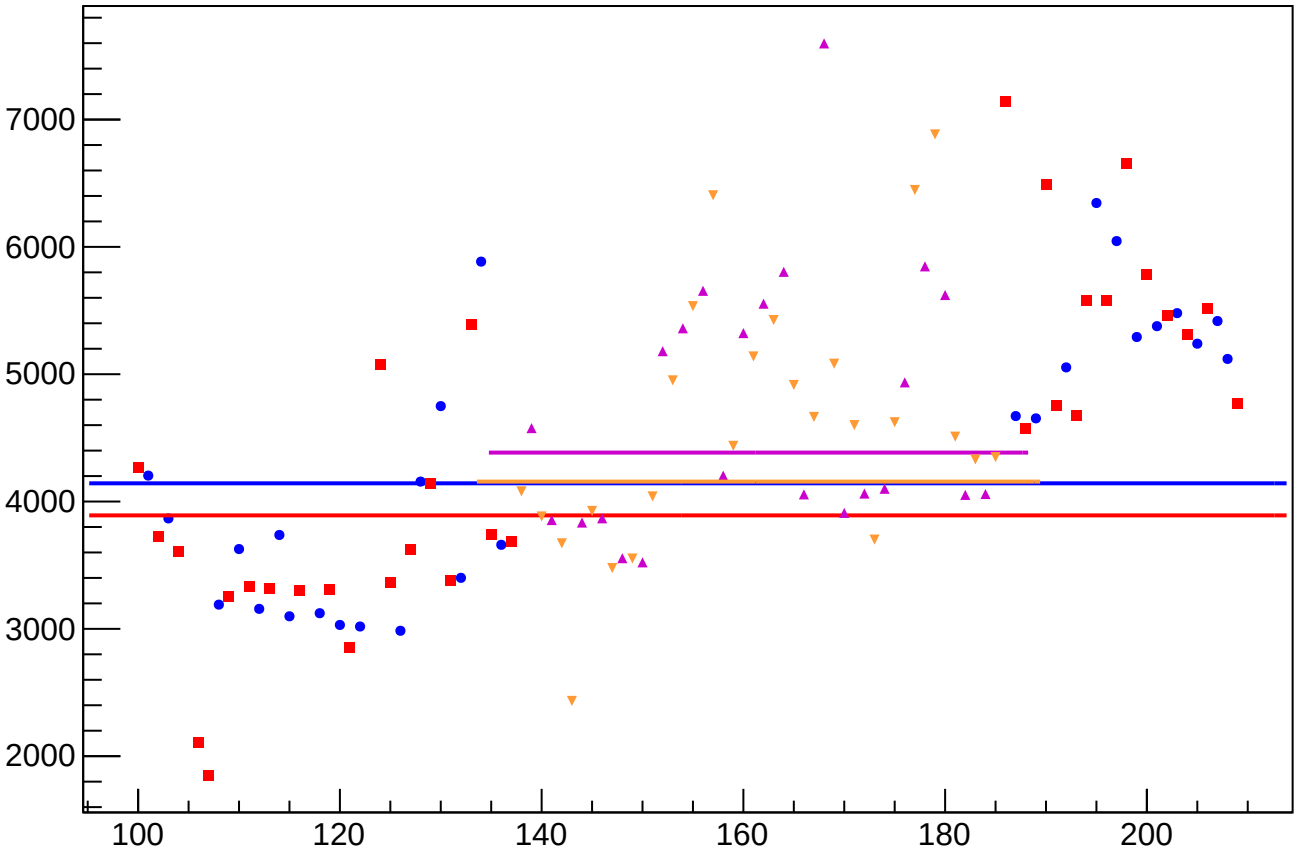
Right Out: -1222.309+/-984.023 χ^2/NDF: 36.2/31

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -25.223+/-723.091 χ^2/NDF: 57.0/51

All: -377.303+/-508.978 χ^2/NDF: 108.0/106

- sign -723.053+/-716.561 χ^2/NDF: 50.5/54



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3891.181+/-0.696 χ^2/NDF: 3117026.5/31

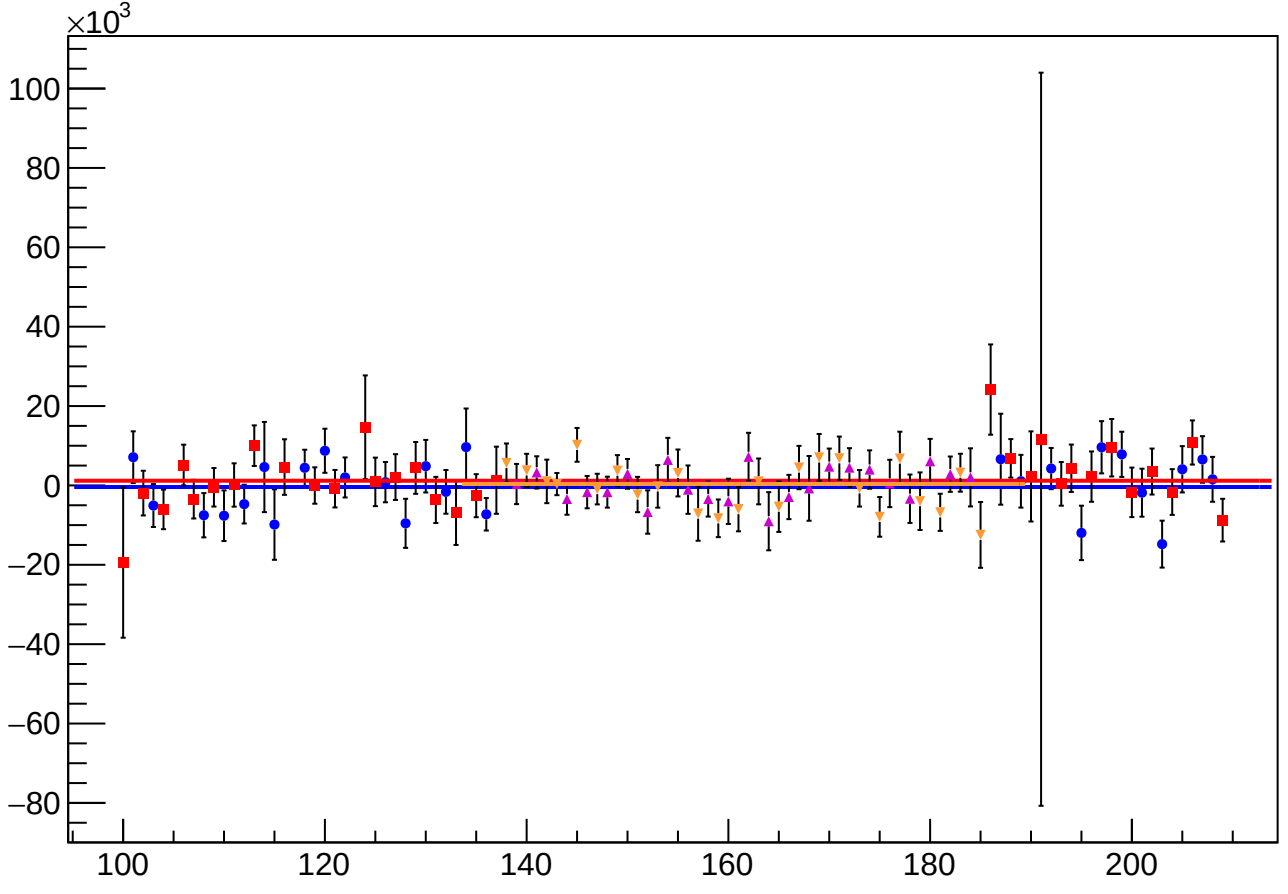
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4150.474+/-0.511 χ^2/NDF: 3866216.0/51

All: 4136.526+/-0.360 χ^2/NDF: 8476144.2/10

- sign 4122.828+/-0.507 χ^2/NDF: 4608453.3/54

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1182.217+/-1068.563 χ^2/NDF: 26.3/31

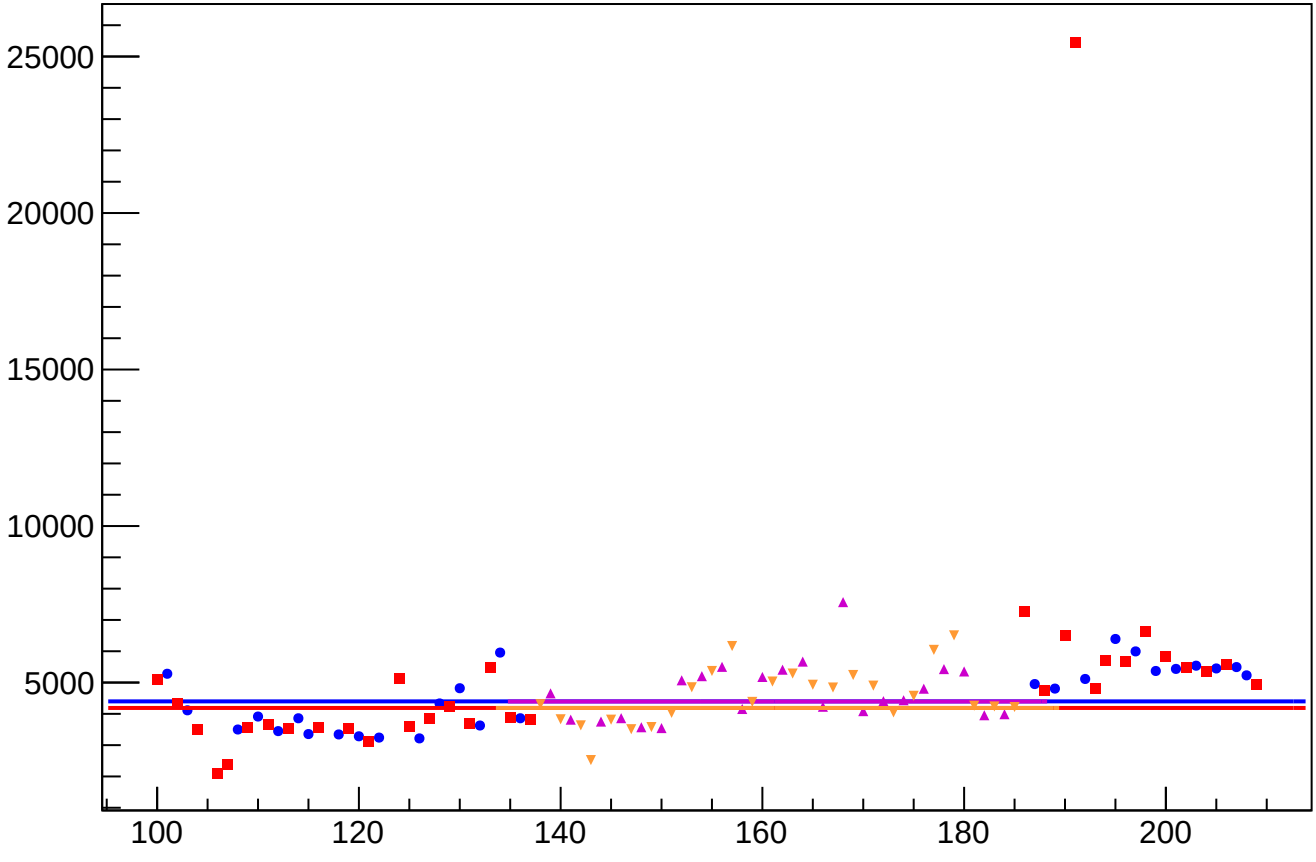
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 35.446+/-741.724 χ^2/NDF: 62.5/51

All: 430.964+/-526.337 χ^2/NDF: 103.4/106

\- sign 832.141+/-747.011 χ^2/NDF: 40.4/54

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

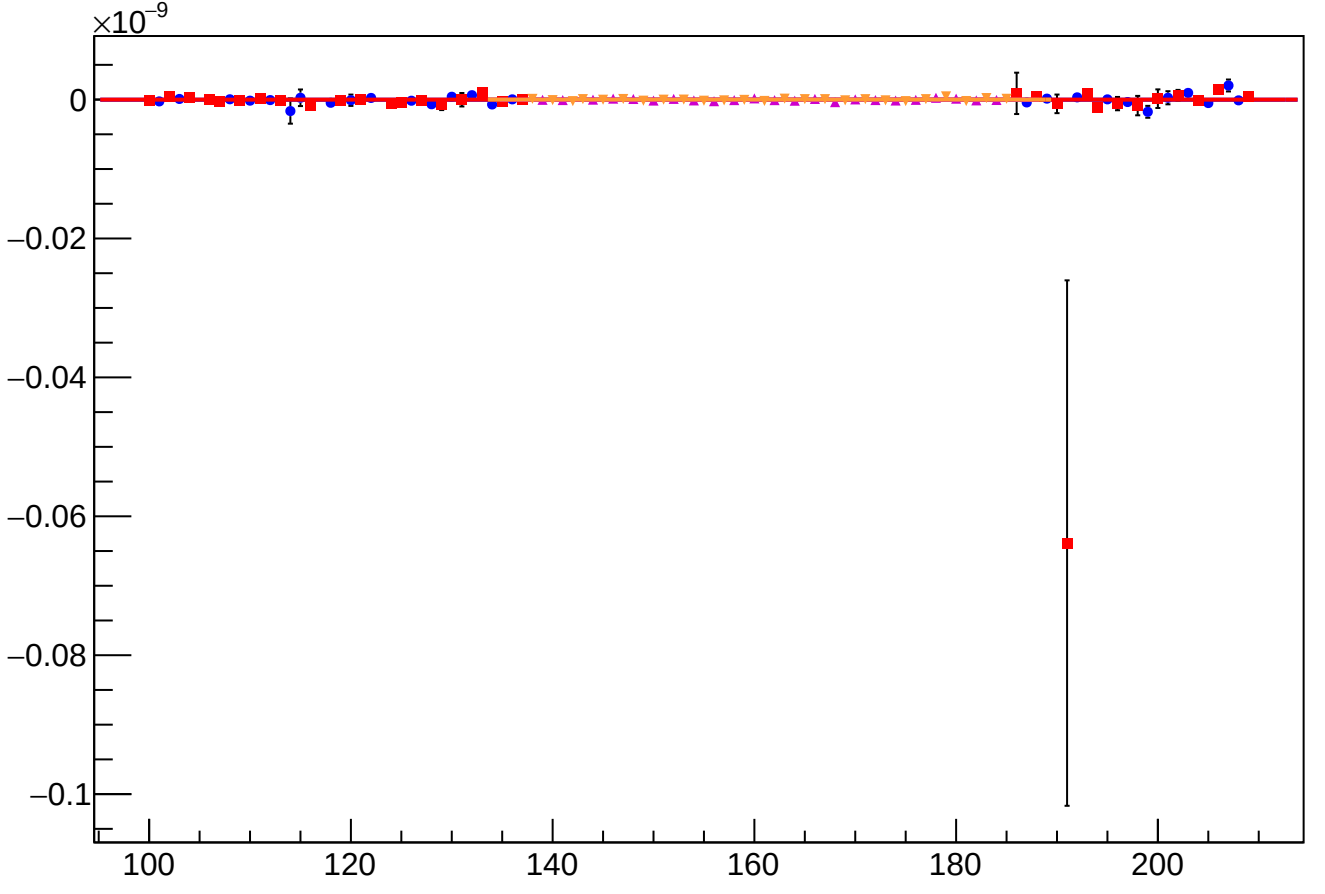
Right Out: 4188.173+/-0.749 χ^2/NDF: 2491206.0/31

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF: 3291843.3/51

All: 4285.225+/-0.371 χ^2/NDF: 6910246.6/10

- sign 4292.666+/-0.526 χ^2/NDF: 3618004.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

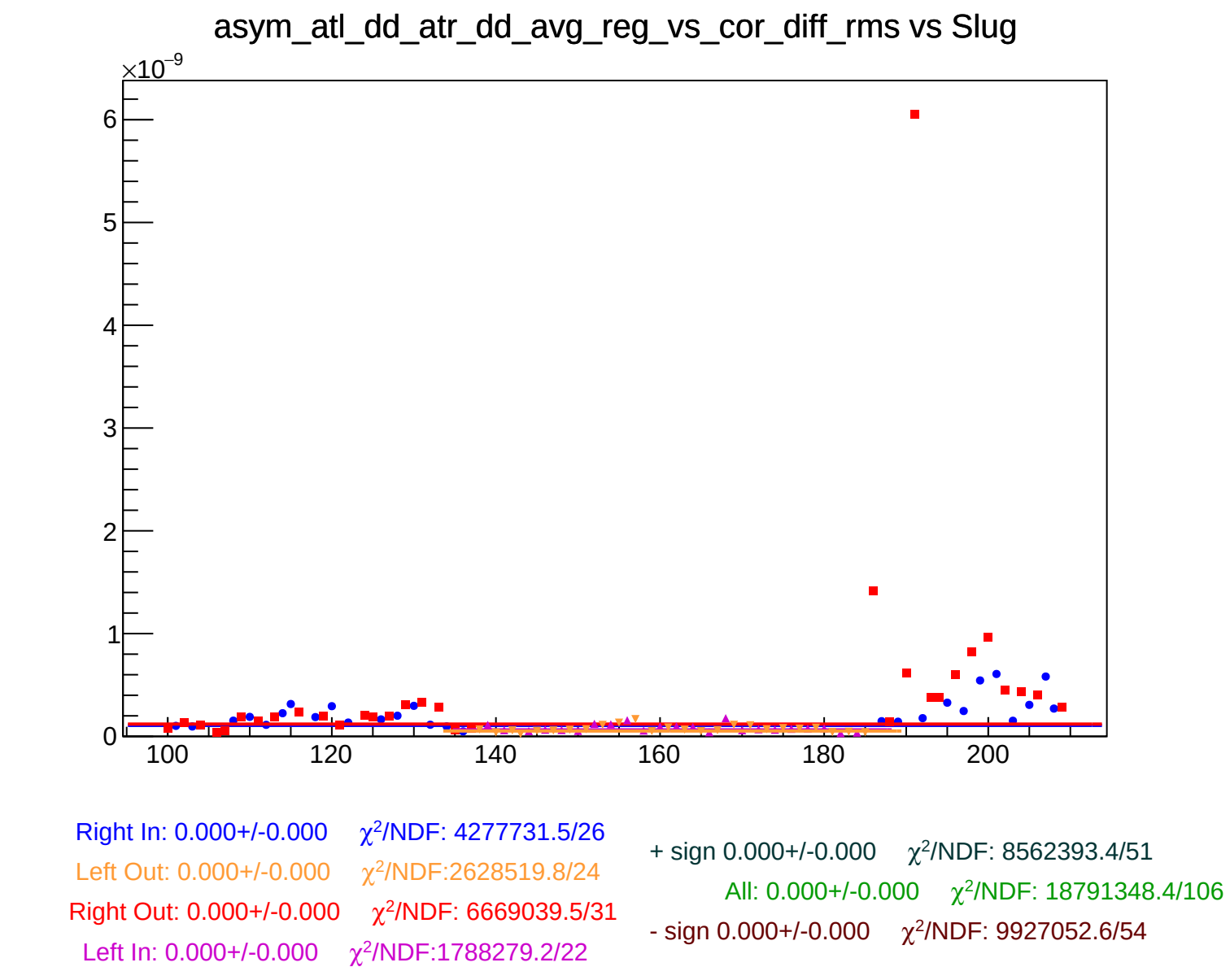
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/31

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

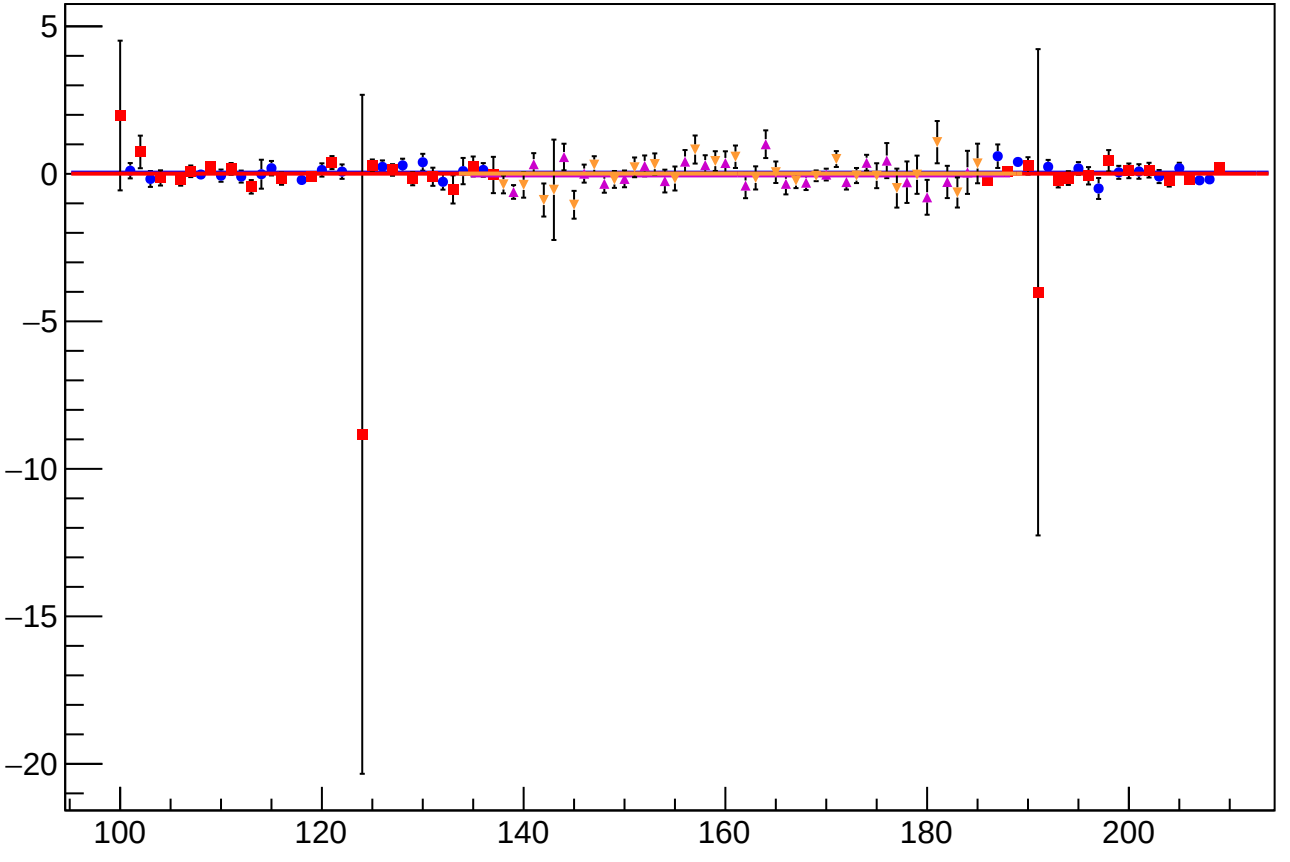
+ sign -0.000+/-0.000 χ^2/NDF: 64.9/51

All: -0.000+/-0.000 χ^2/NDF: 116.0/106

- sign -0.000+/-0.000 χ^2/NDF: 50.9/54


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: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6669039.5/31
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8562393.4/51
All: 0.000+/-0.000 χ²/NDF: 18791348.4/106
- sign 0.000+/-0.000 χ²/NDF: 9927052.6/54

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

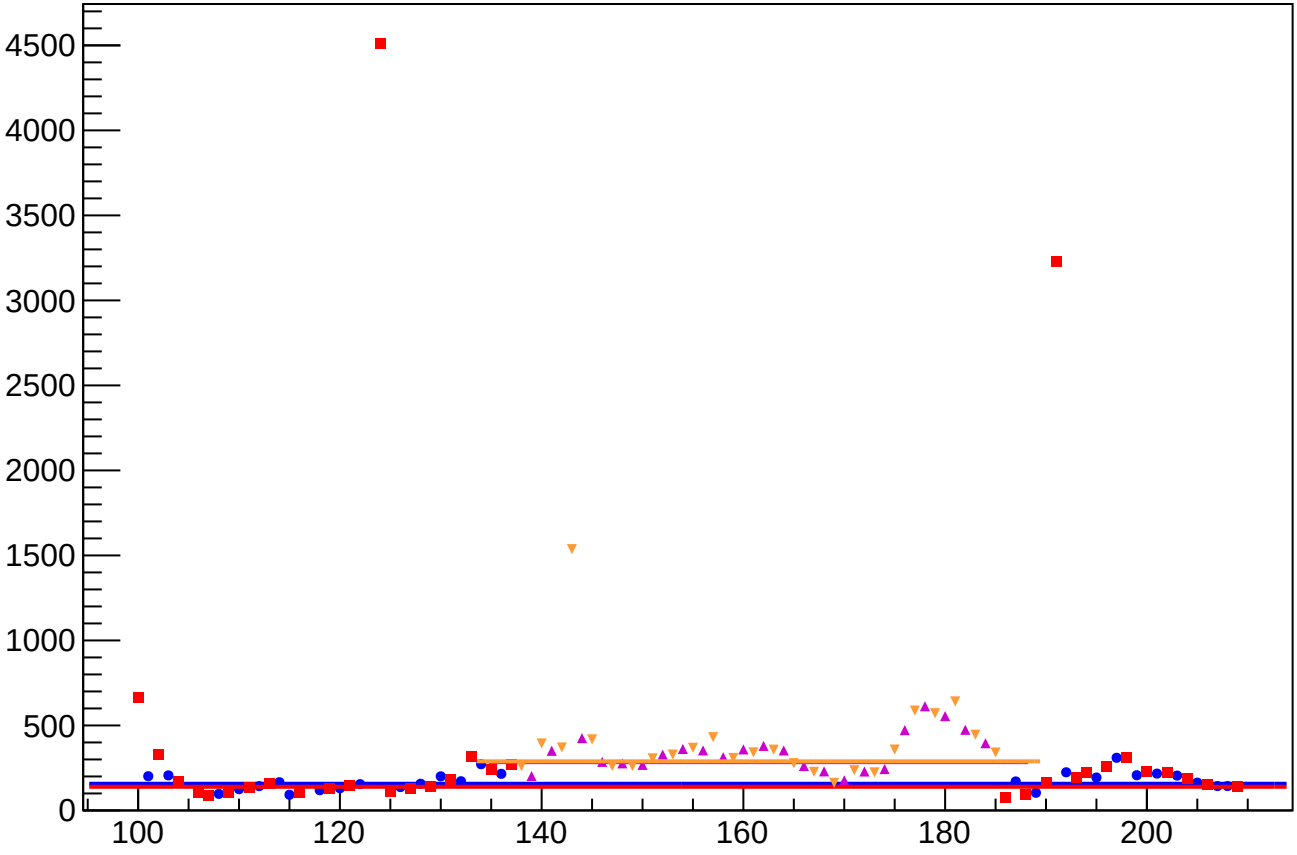
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

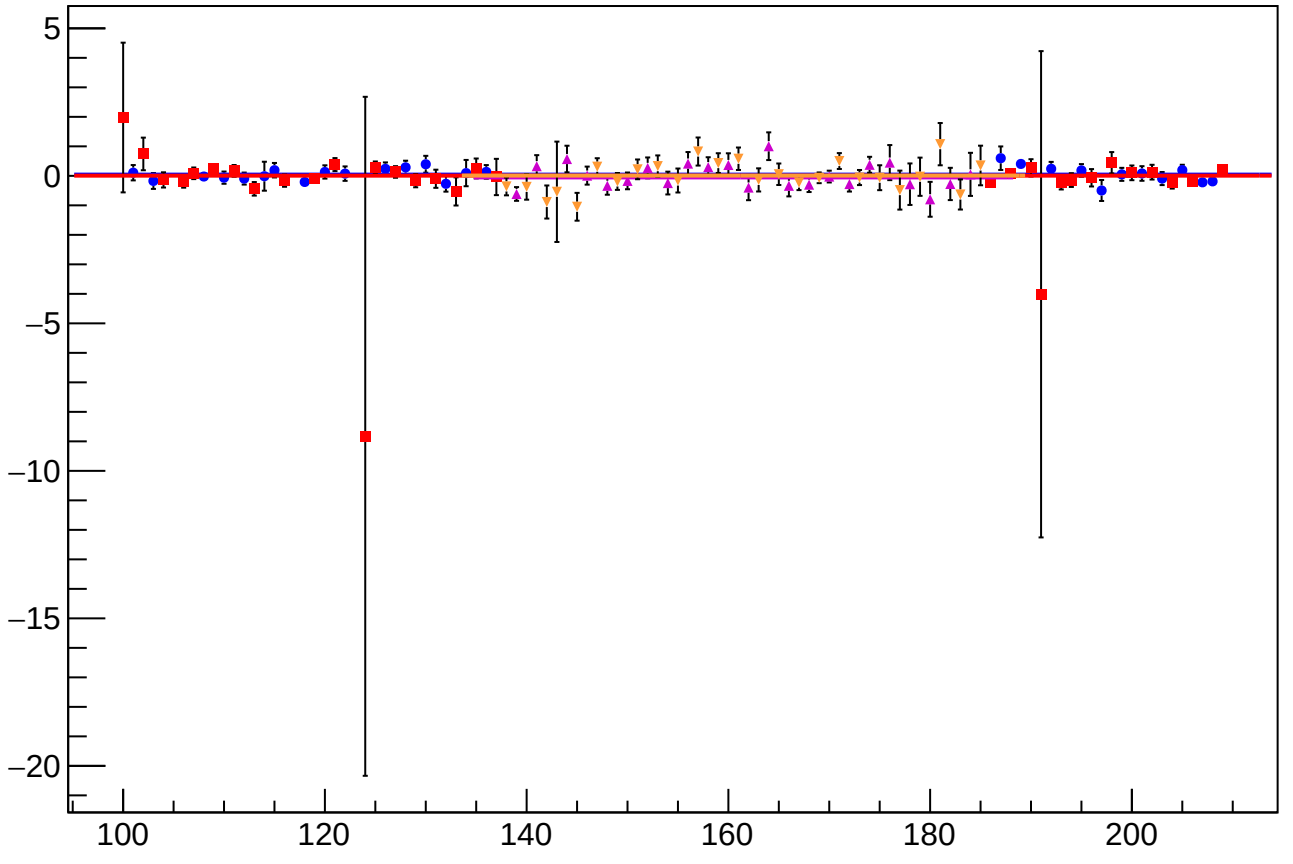
Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

- sign 171.355+/-0.023 χ^2/NDF: 14349054.2/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

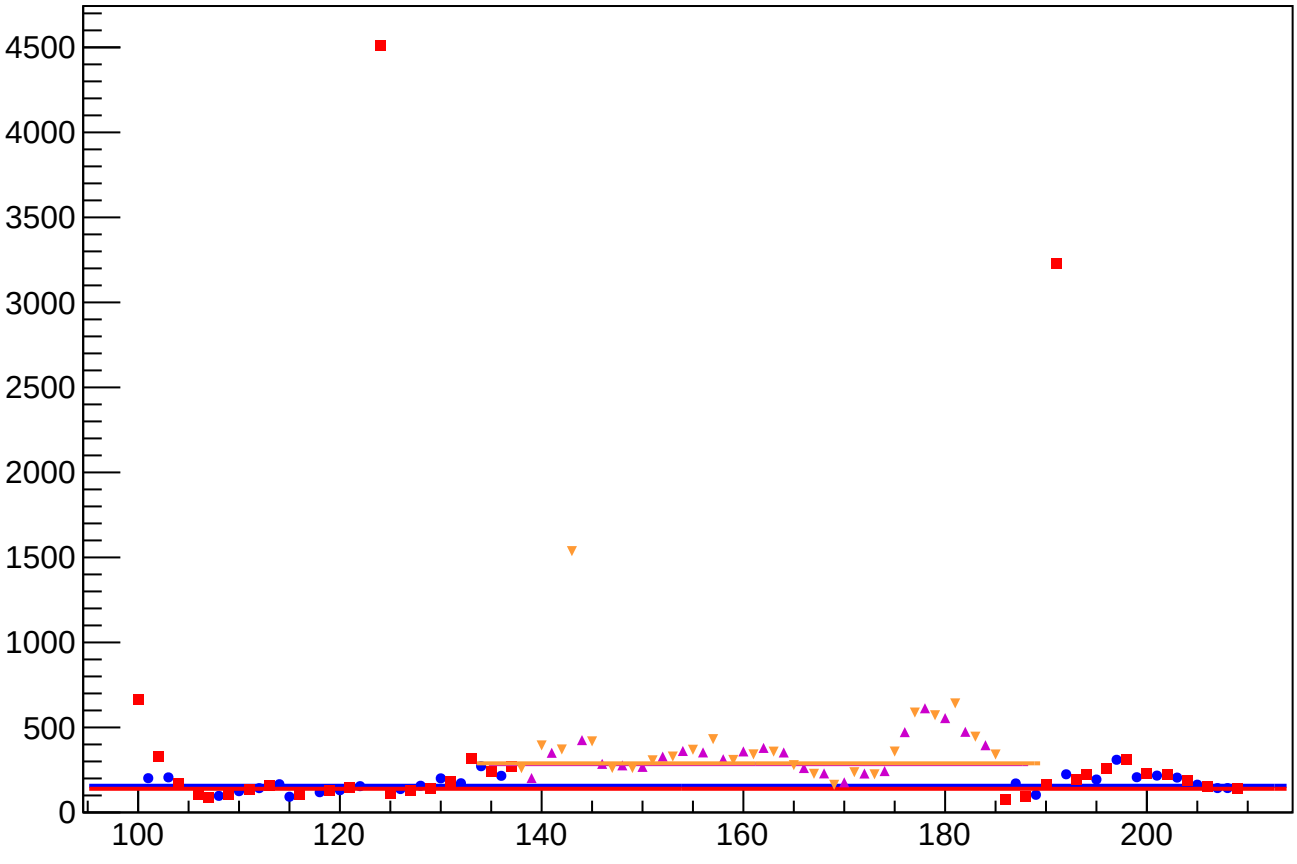
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

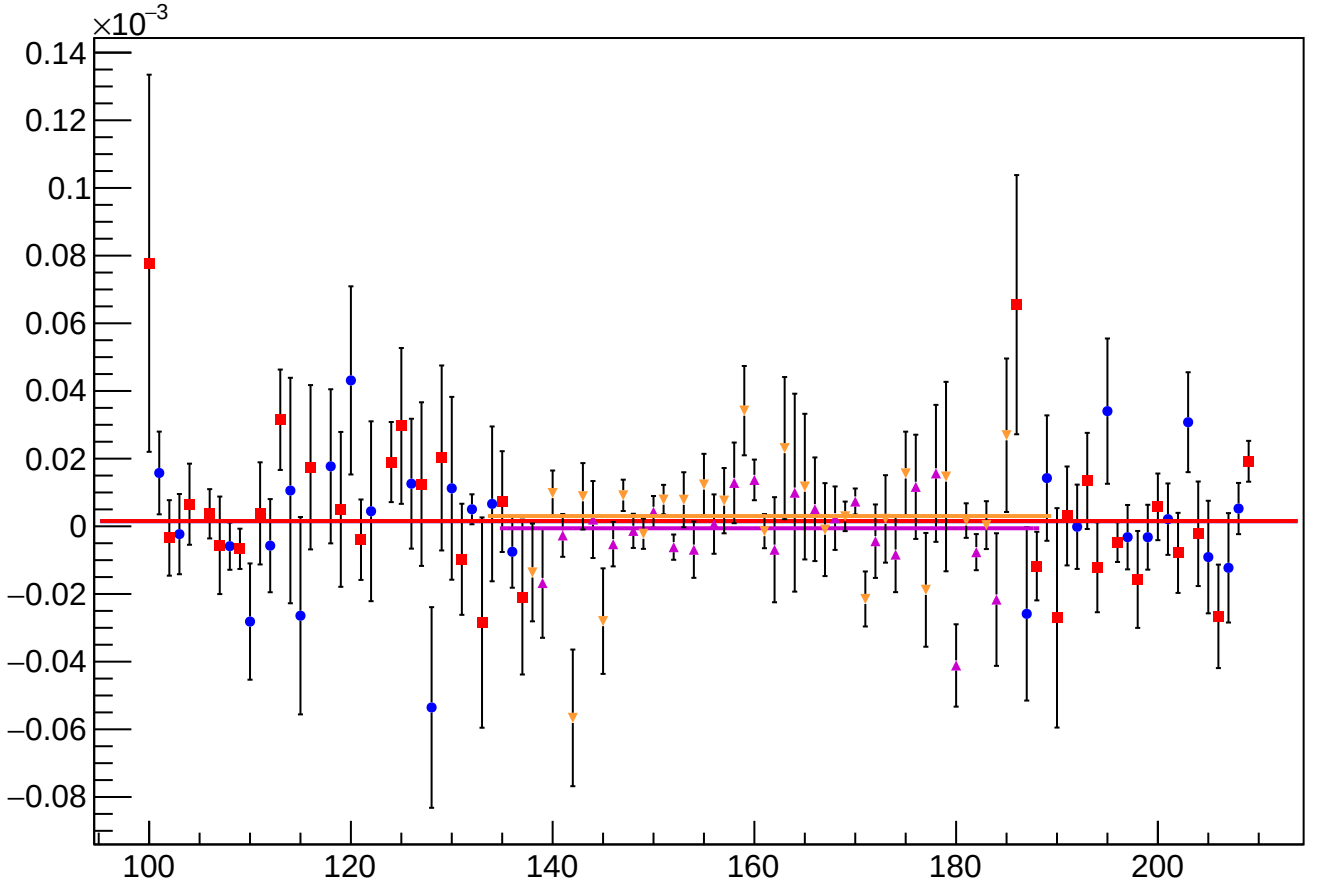
Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

- sign 171.355+/-0.023 χ^2/NDF: 14349054.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

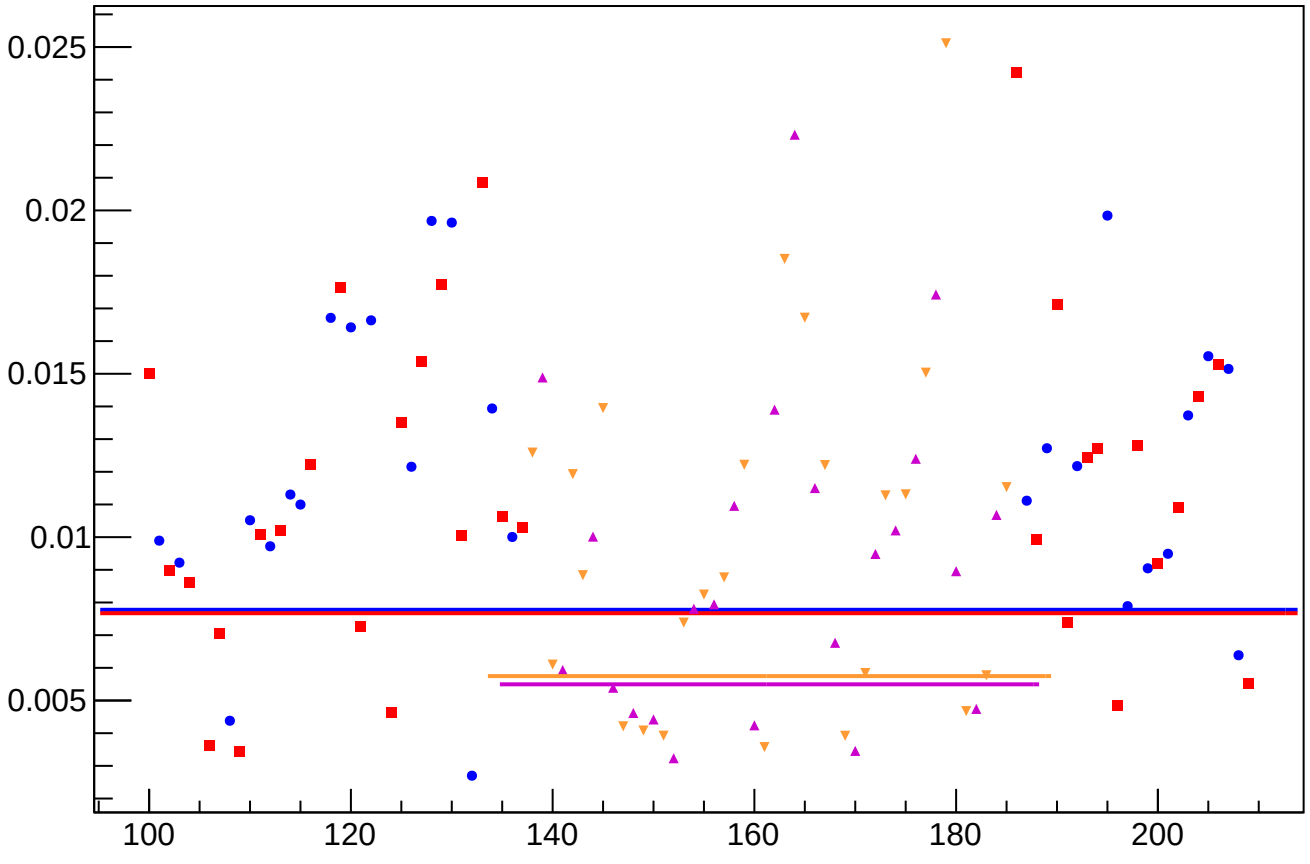
Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/31

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/51

All: 0.000+/-0.000 χ^2/NDF: 141.4/106

- sign 0.000+/-0.000 χ^2/NDF: 72.4/54



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

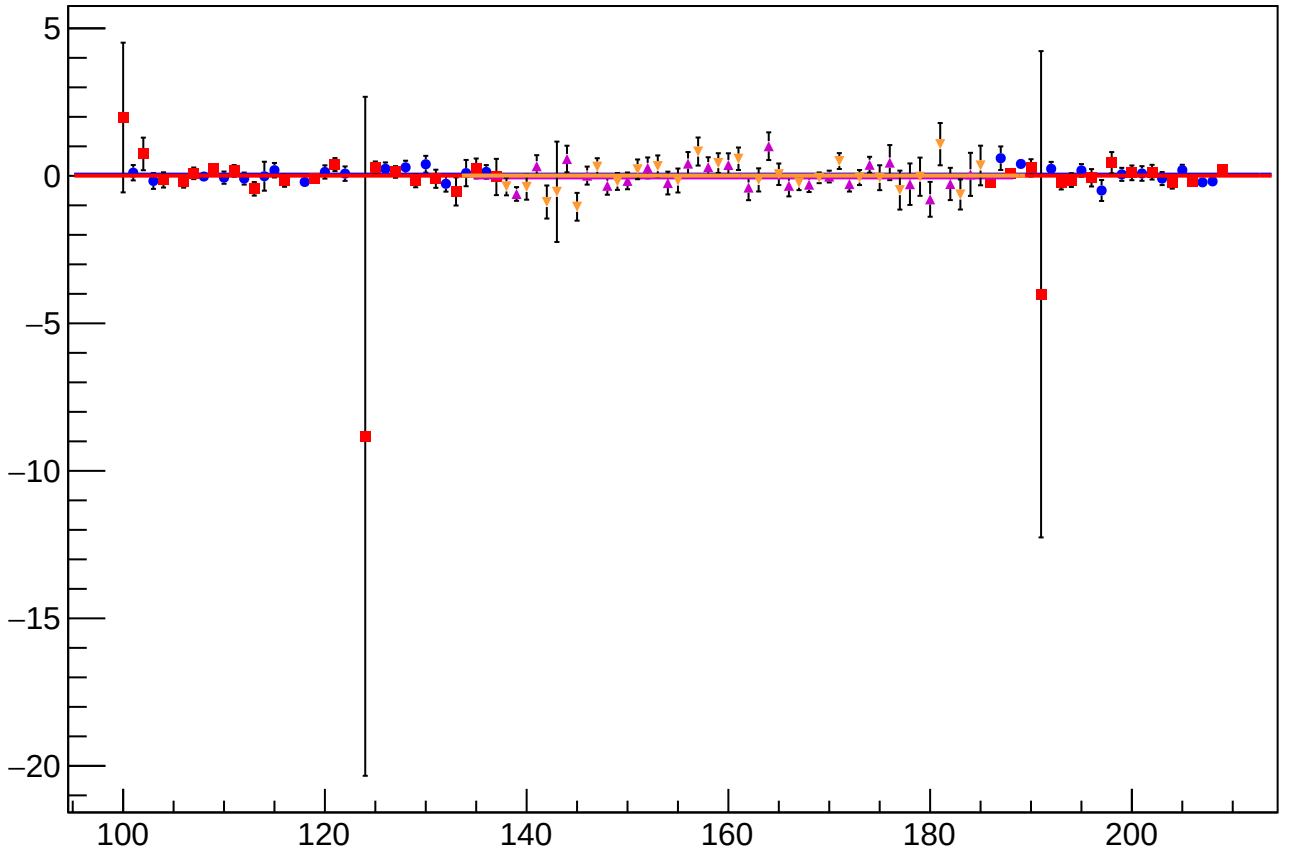
Right Out: 0.008+/-0.000 χ^2/NDF: 6709901.5/31

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 16702957.4/51

All: 0.006+/-0.000 χ^2/NDF: 31761518.8/106

\- sign 0.006+/-0.000 χ^2/NDF: 15047293.5/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

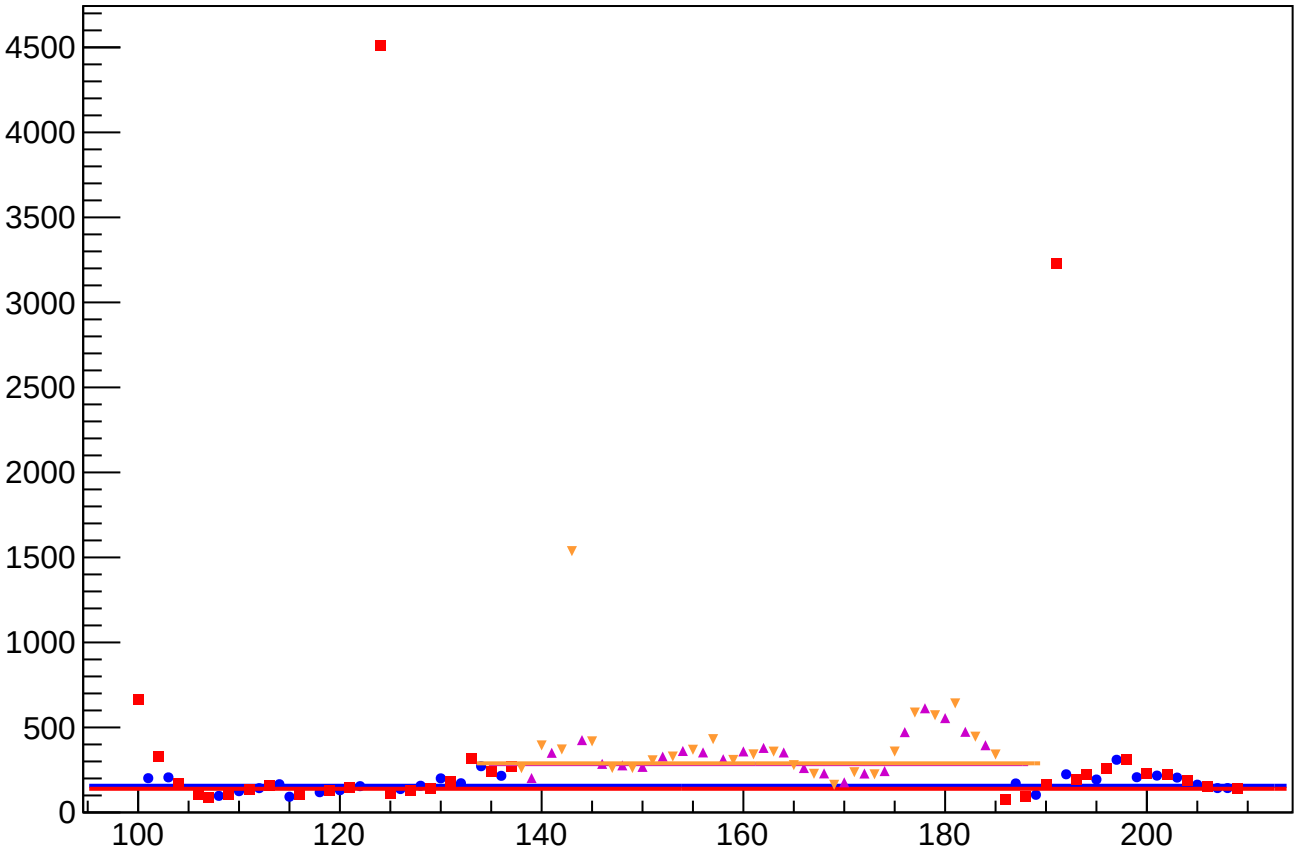
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

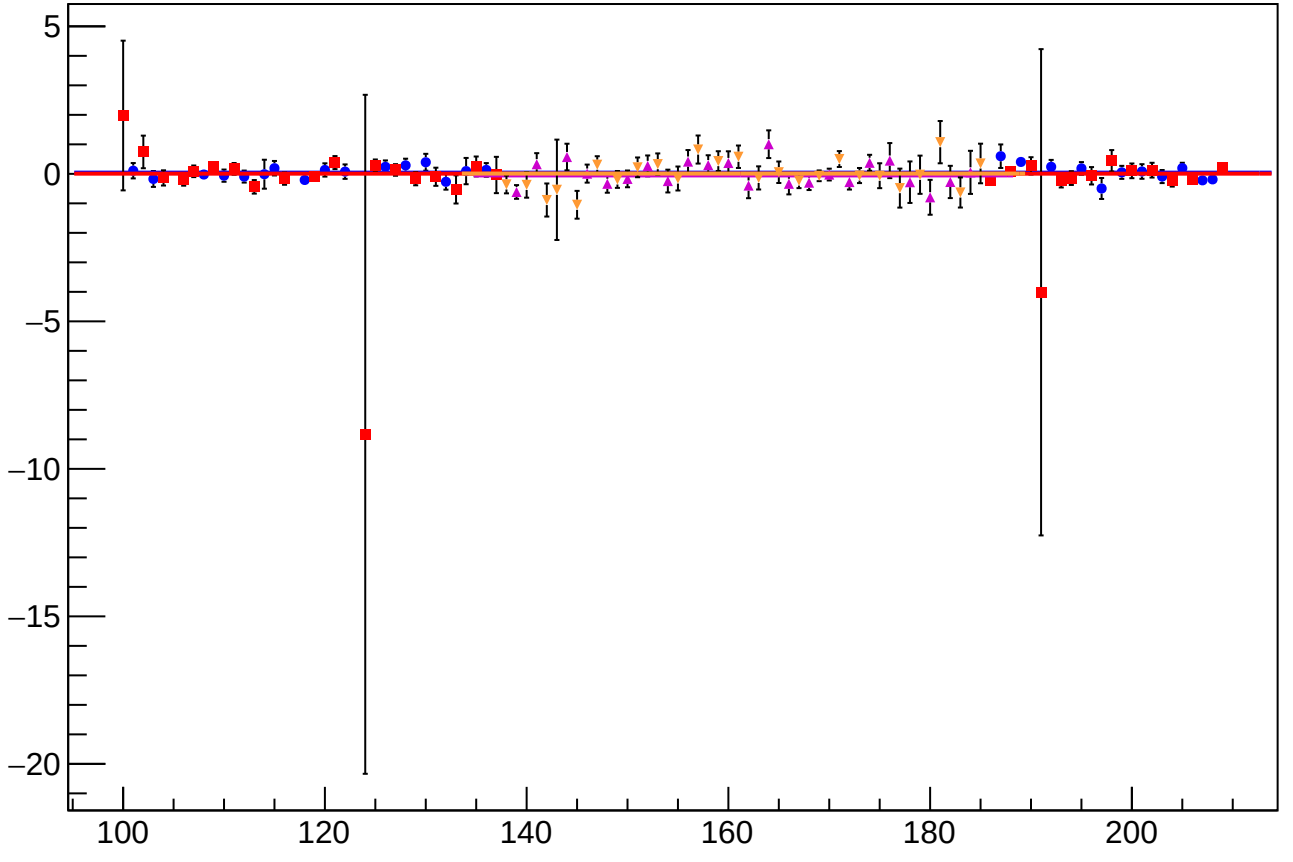
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

- sign 171.357+/-0.023 χ^2/NDF: 14348872.4/54

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

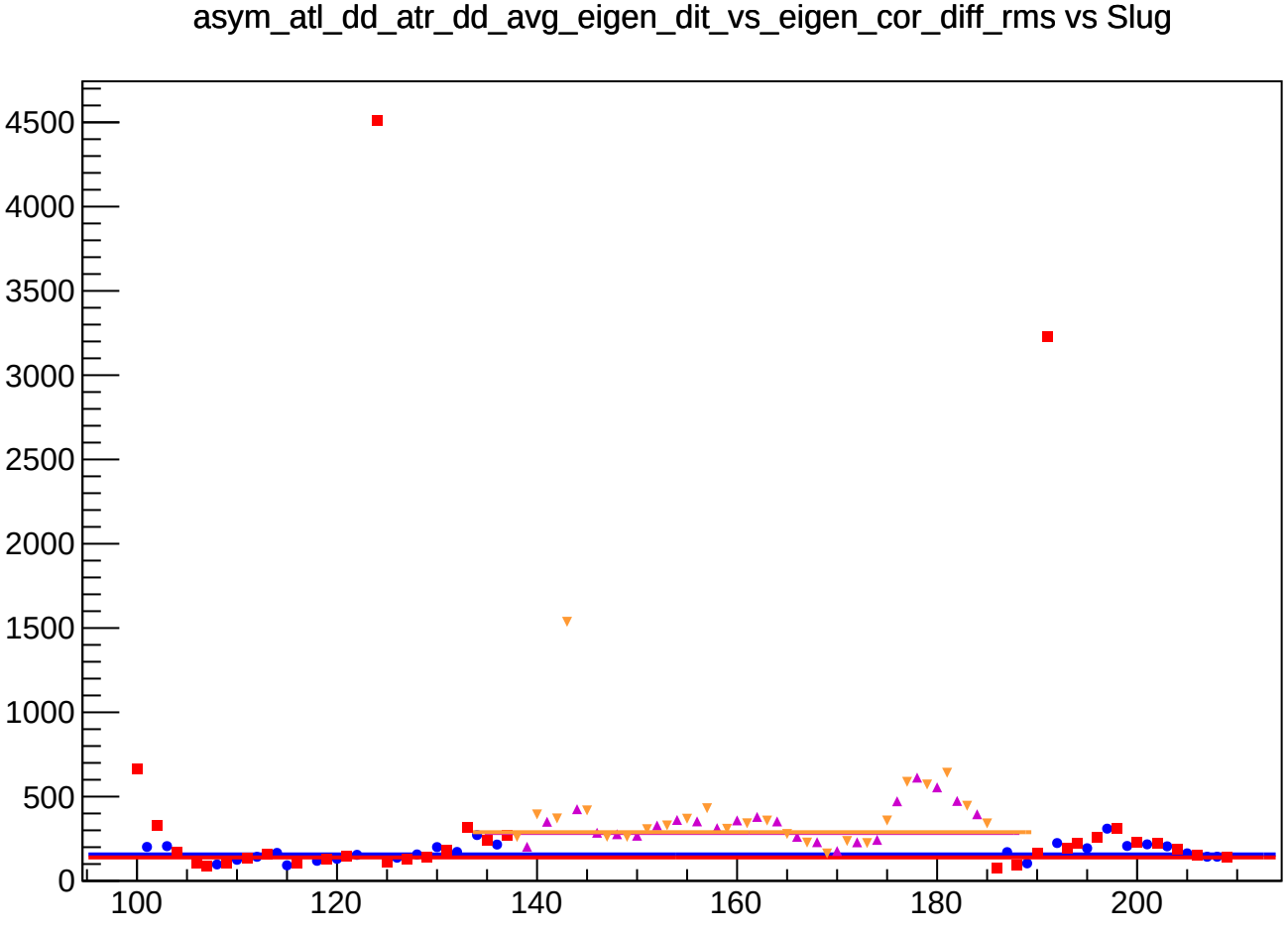
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

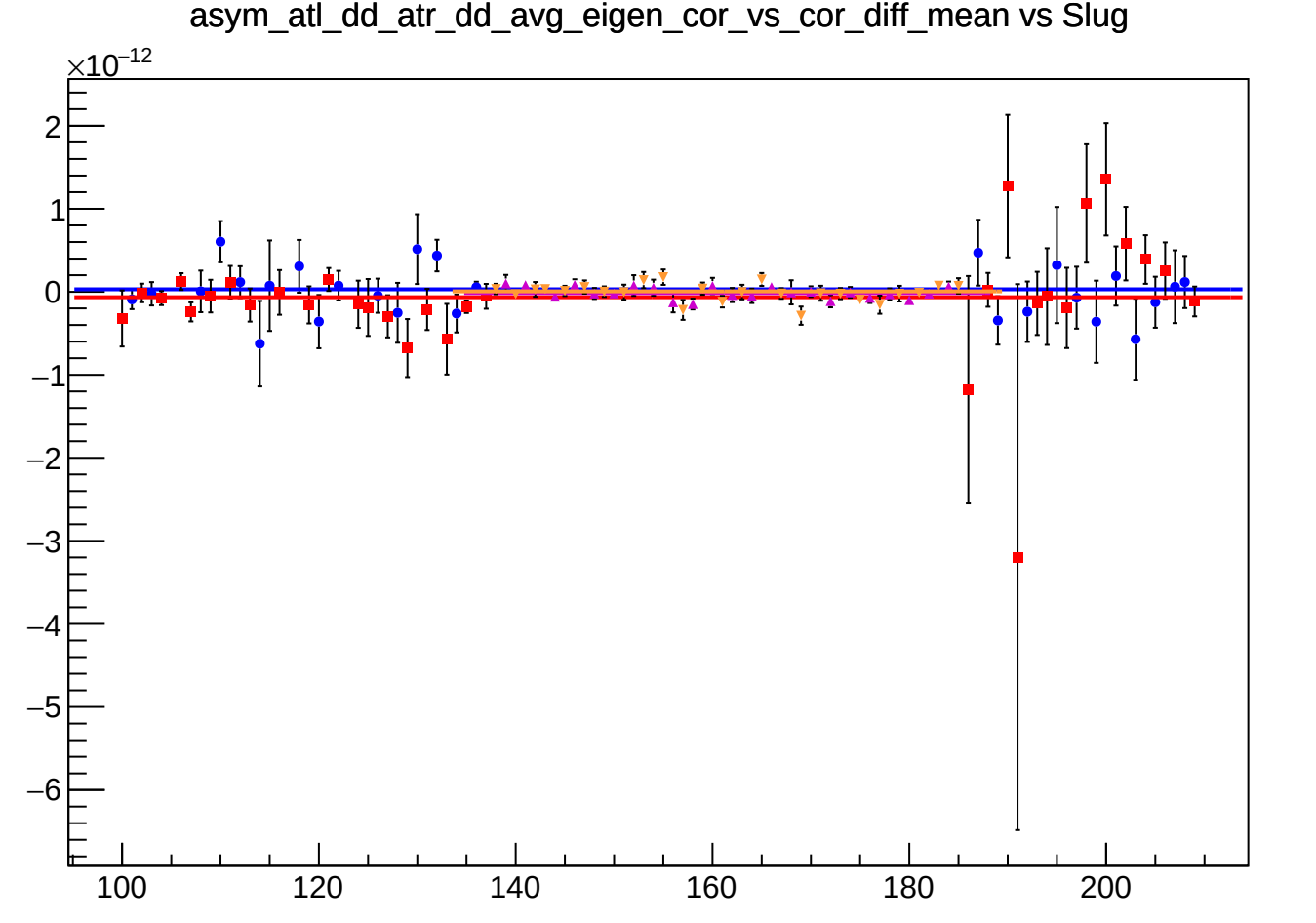
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 157.039+/-0.030 χ²/NDF: 2252184.2/26
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 139.241+/-0.027 χ²/NDF: 4674453.5/31
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 191.142+/-0.026 χ²/NDF: 12014123.2/51
All: 180.403+/-0.017 χ²/NDF: 26688842.2/10
- sign 171.357+/-0.023 χ²/NDF: 14348872.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

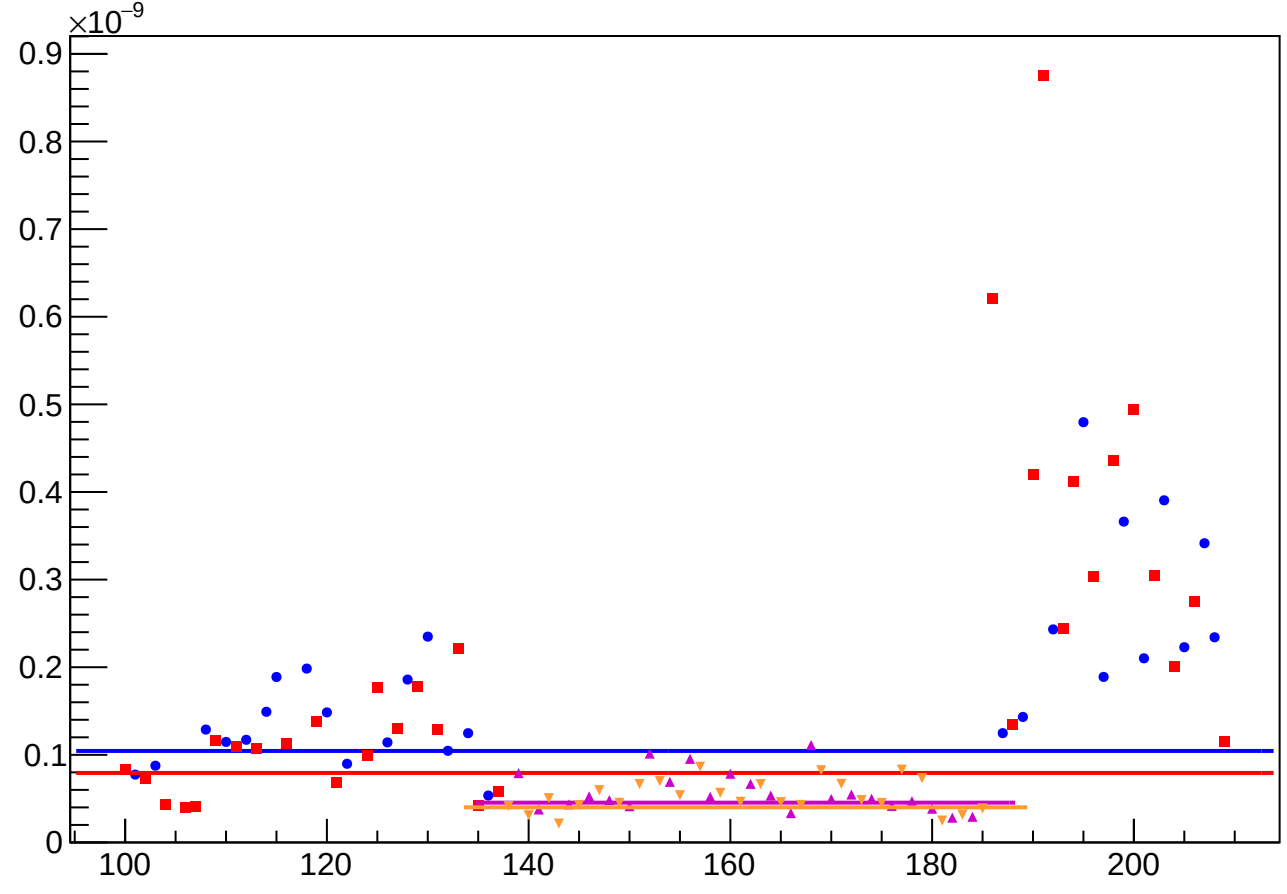
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/31

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 123.5/106

- sign -0.000+/-0.000 χ^2/NDF: 60.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7704705.4/31

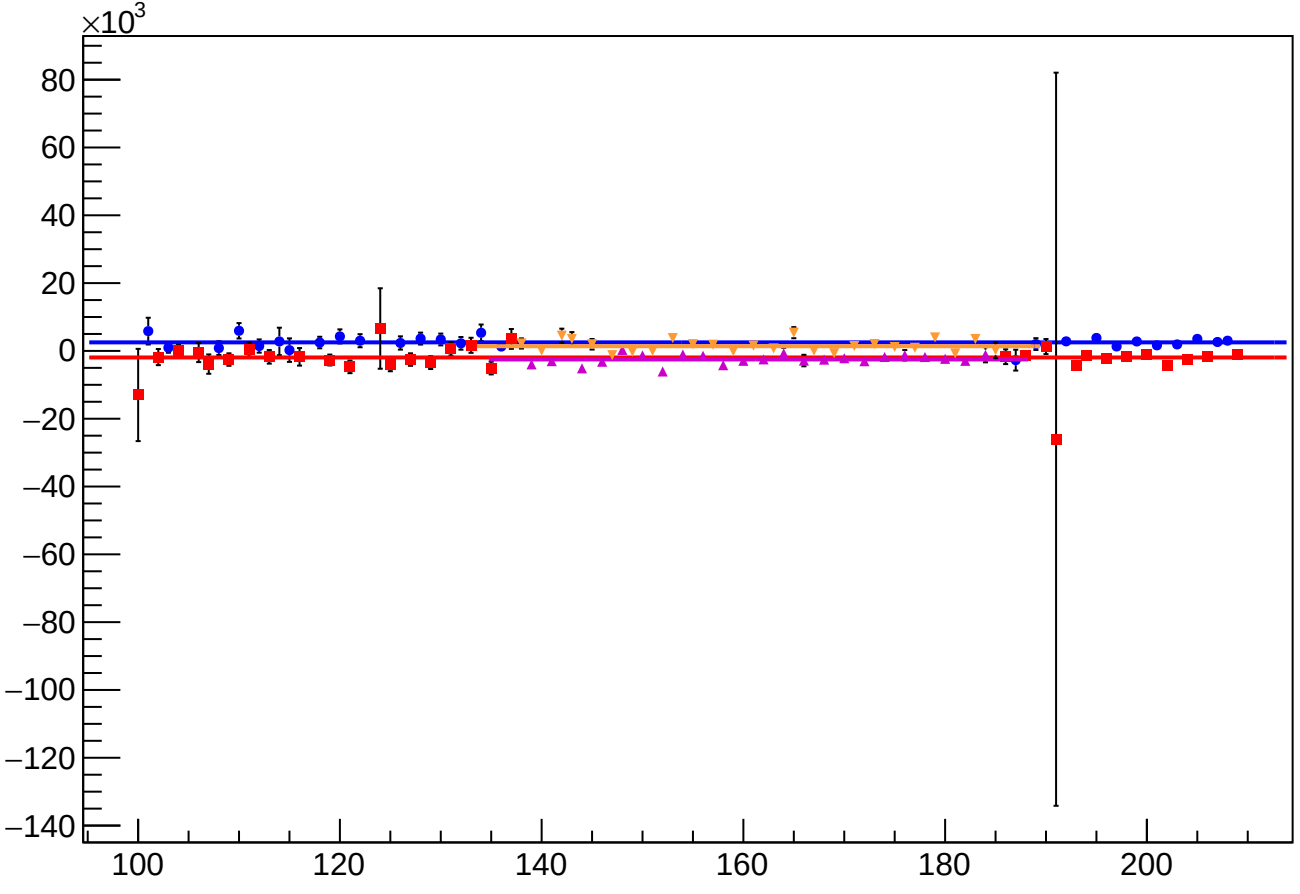
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF: 26431480.3/106

- sign 0.000+/-0.000 χ^2/NDF: 12350579.0/54

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2520.248+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1932.398+/-320.687 χ^2/NDF: 28.6/31

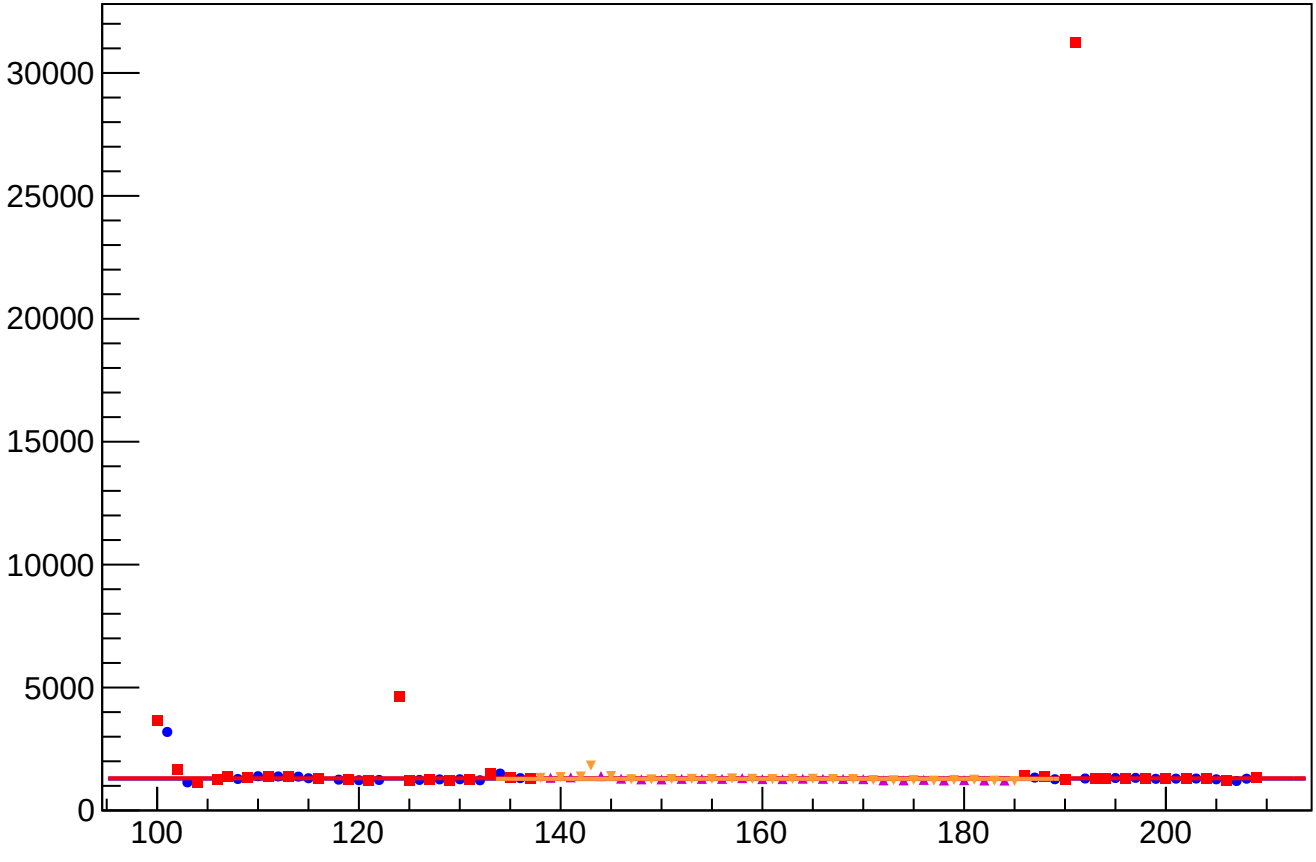
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1886.999+/-218.496 χ^2/NDF: 54.5/51

All: -181.663+/-154.443 χ^2/NDF: 286.5/106

- sign -2247.283+/-218.336 χ^2/NDF: 52.8/54

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF: 532239.9/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

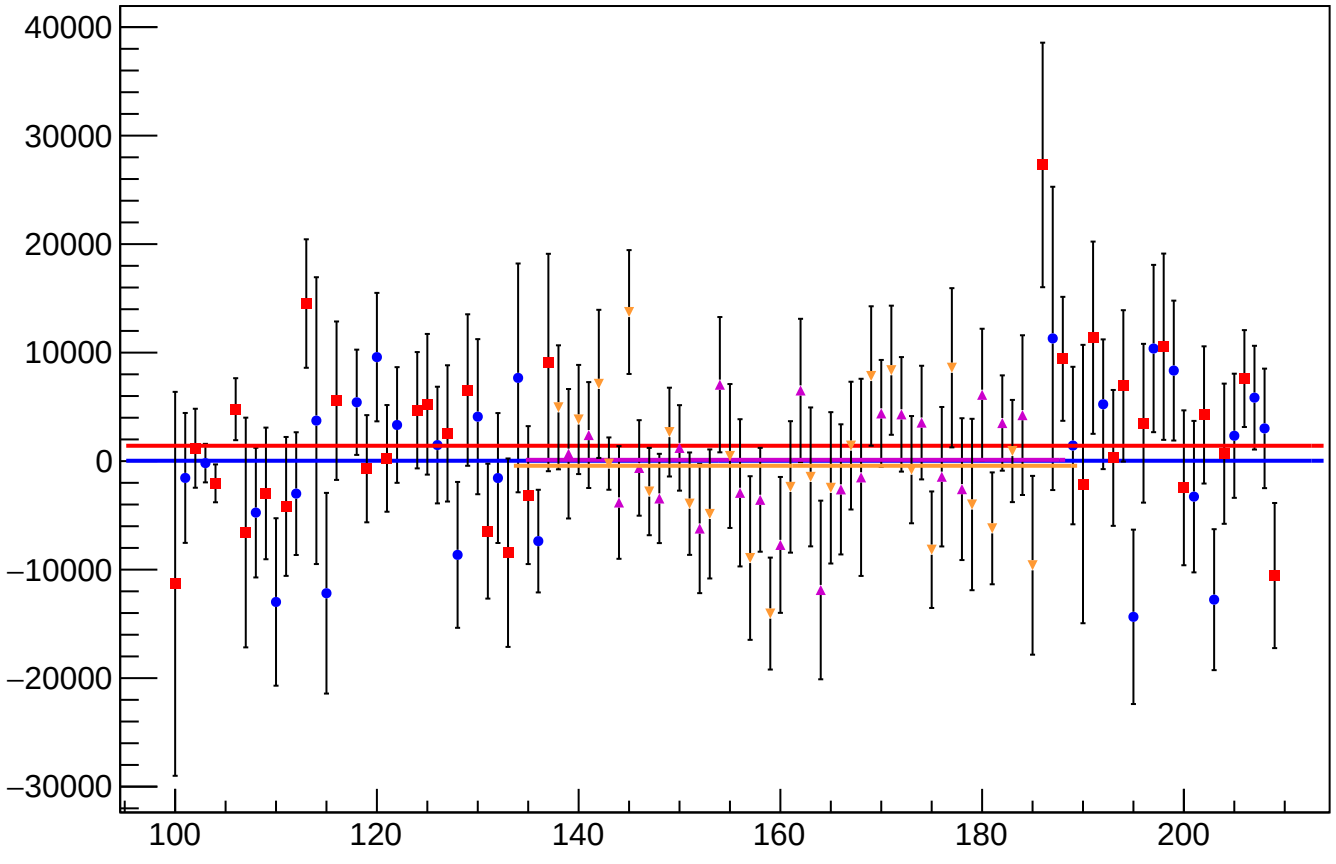
Right Out: 1307.481+/-0.227 χ^2/NDF: 505904.0/31

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF: 724096.7/51

All: 1290.099+/-0.109 χ^2/NDF: 1281810.4/10

- sign 1290.579+/-0.154 χ^2/NDF: 557694.3/54



Right In: 34.314+/-1019.173 χ^2/NDF: 29.2/26

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

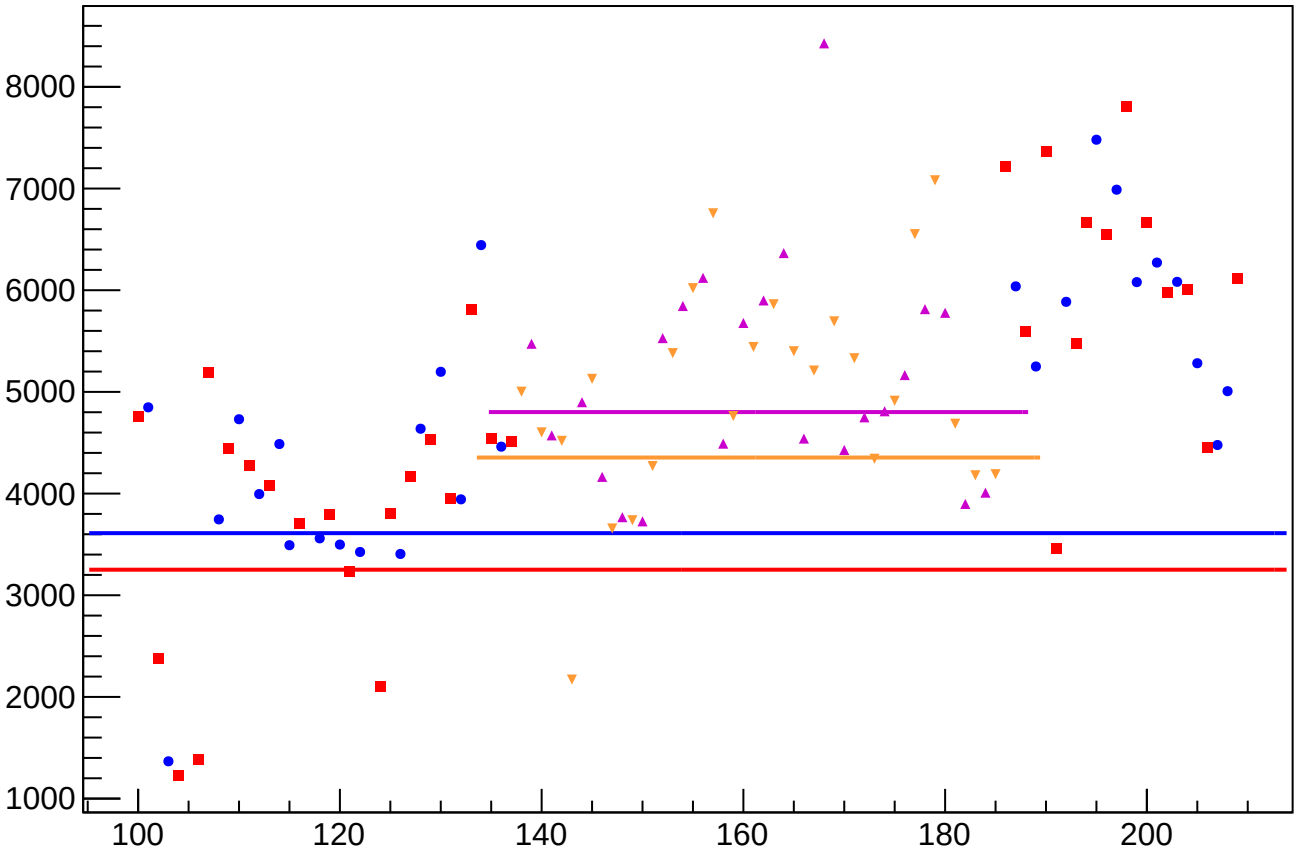
Right Out: 1416.621+/-922.738 χ^2/NDF: 34.5/31

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -192.864+/-727.242 χ^2/NDF: 59.1/51

All: 363.124+/-511.081 χ^2/NDF: 109.2/106

- sign 905.667+/-718.395 χ^2/NDF: 48.9/54



Right In: 3610.718+/-0.721 χ^2/NDF: 6247457.6/26

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

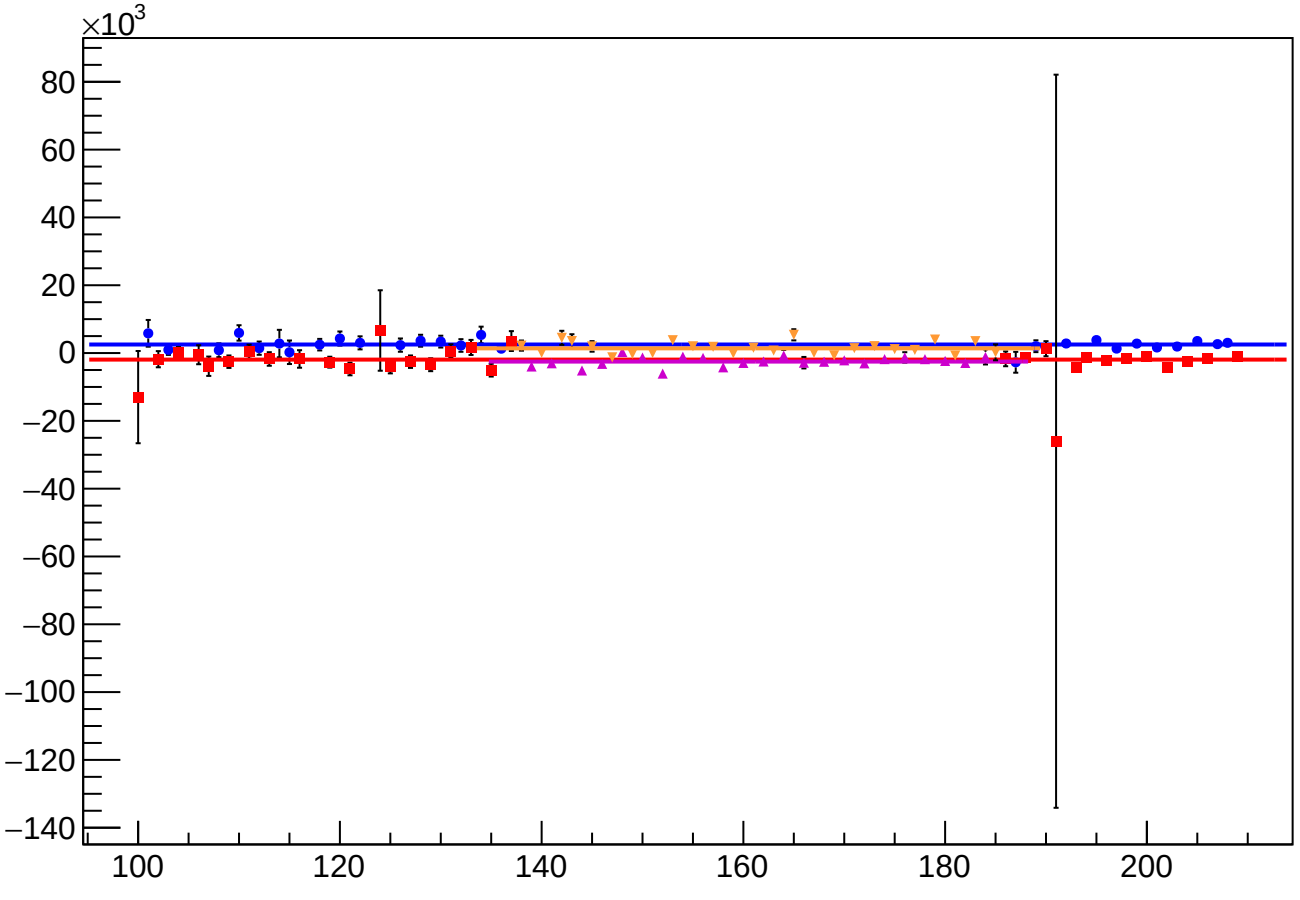
Right Out: 3251.351+/-0.652 χ^2/NDF: 8662735.7/31

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

\+ sign 3975.802+/-0.514 χ^2/NDF: 9841757.4/51

All: 3918.168+/-0.361 χ^2/NDF: 21984545.6/1

\- sign 3861.928+/-0.508 χ^2/NDF: 12117969.7/54



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1932.295+/-320.687 χ^2/NDF: 28.6/31

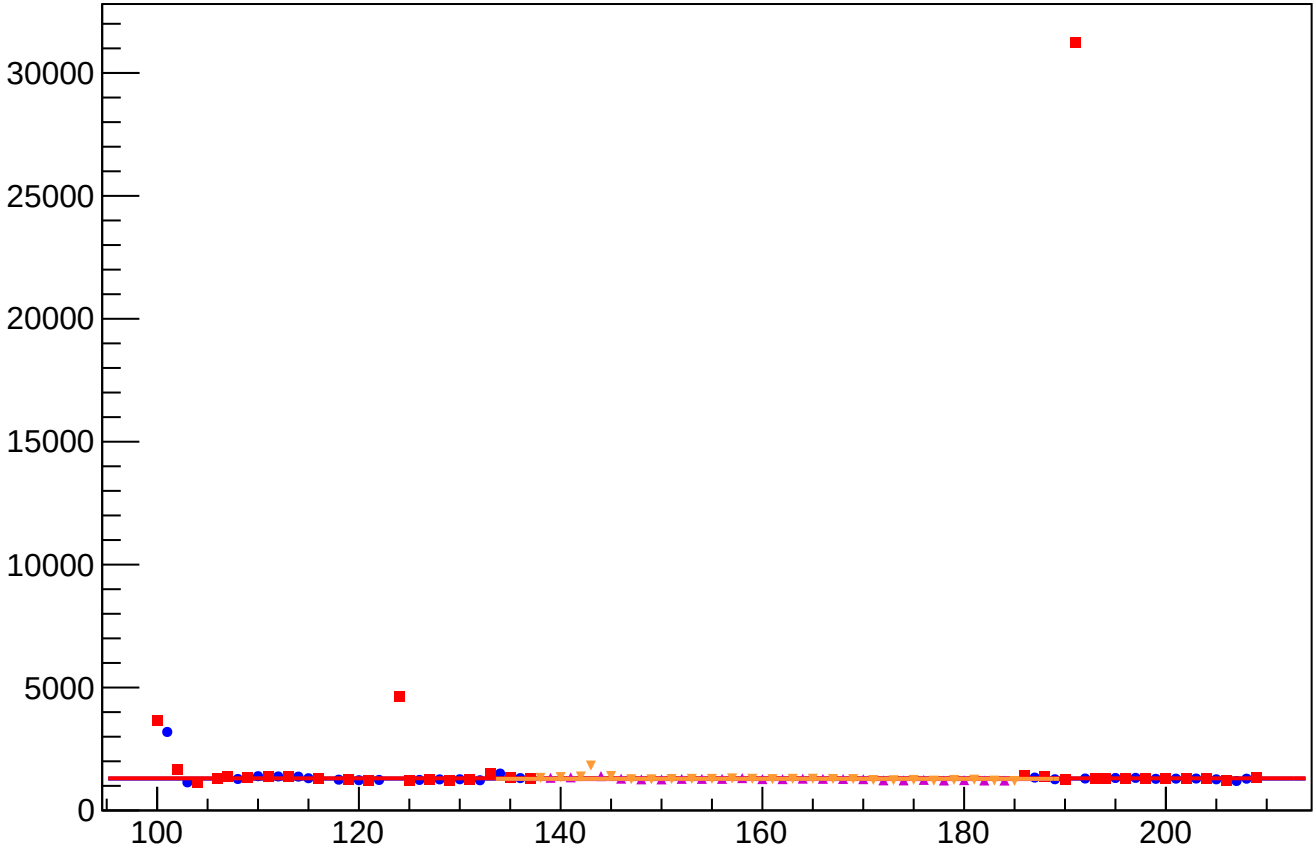
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1886.930+/-218.496 χ^2/NDF: 54.5/51

All: -181.674+/-154.443 χ^2/NDF: 286.5/106

- sign -2247.236+/-218.336 χ^2/NDF: 52.8/54

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

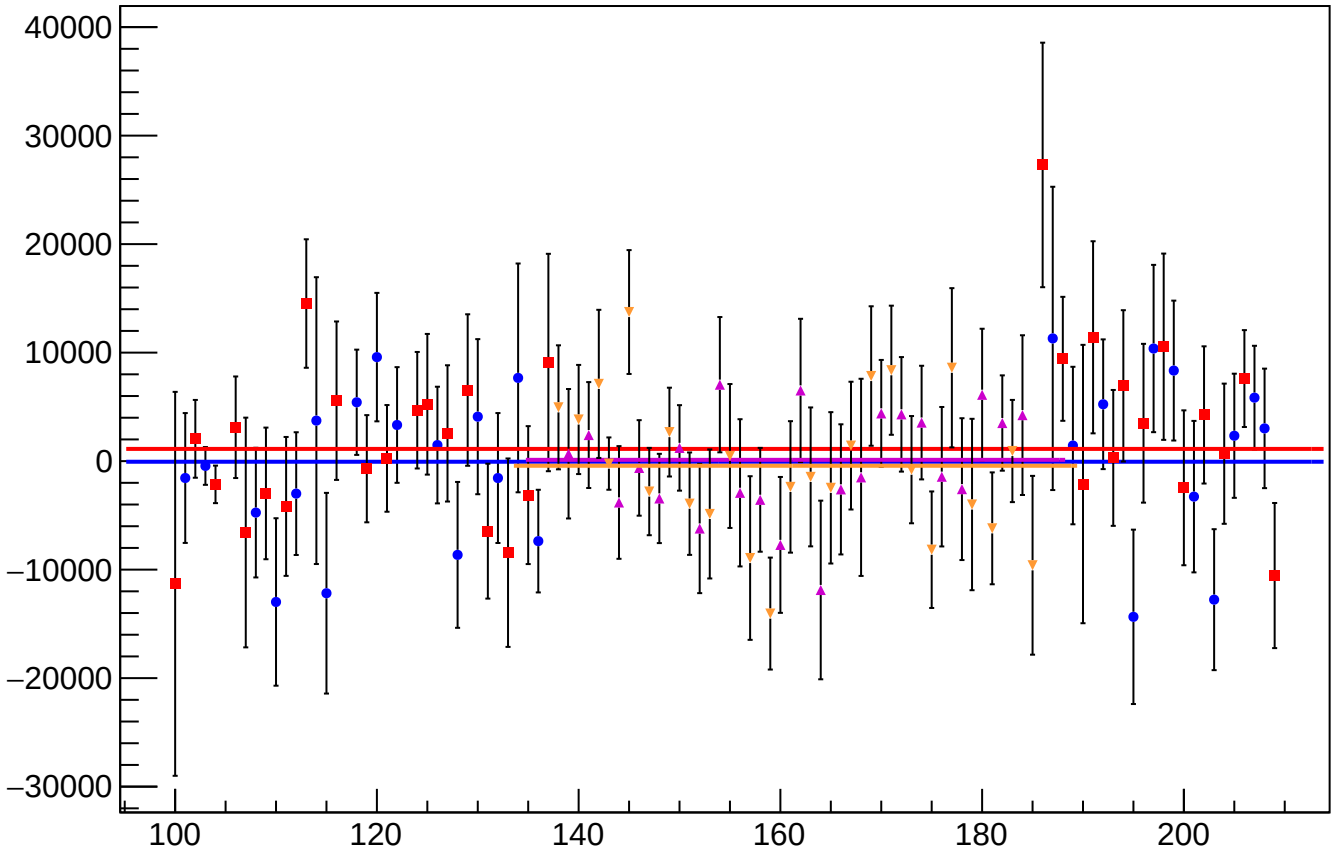
Right Out: 1307.951+/-0.227 χ^2/NDF: 505573.7/31

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF: 724098.1/51

All: 1290.205+/-0.109 χ^2/NDF: 1281799.1/10

- sign 1290.791+/-0.154 χ^2/NDF: 557672.1/54



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

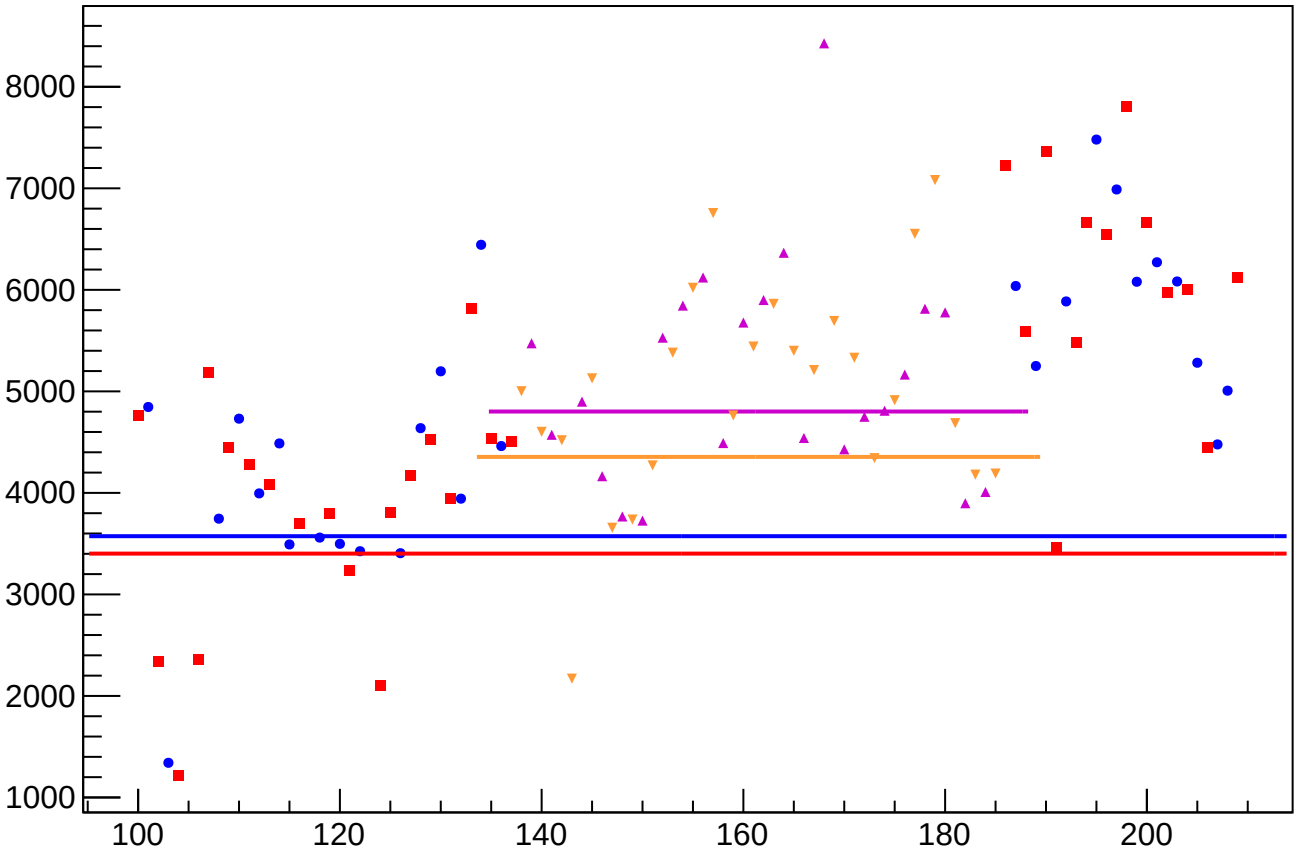
Right Out: 1126.202+/-950.904 χ^2/NDF: 33.5/31

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -238.029+/-724.858 χ^2/NDF: 59.1/51

All: 234.211+/-514.867 χ^2/NDF: 107.5/106

- sign 715.078+/-731.449 χ^2/NDF: 47.6/54



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

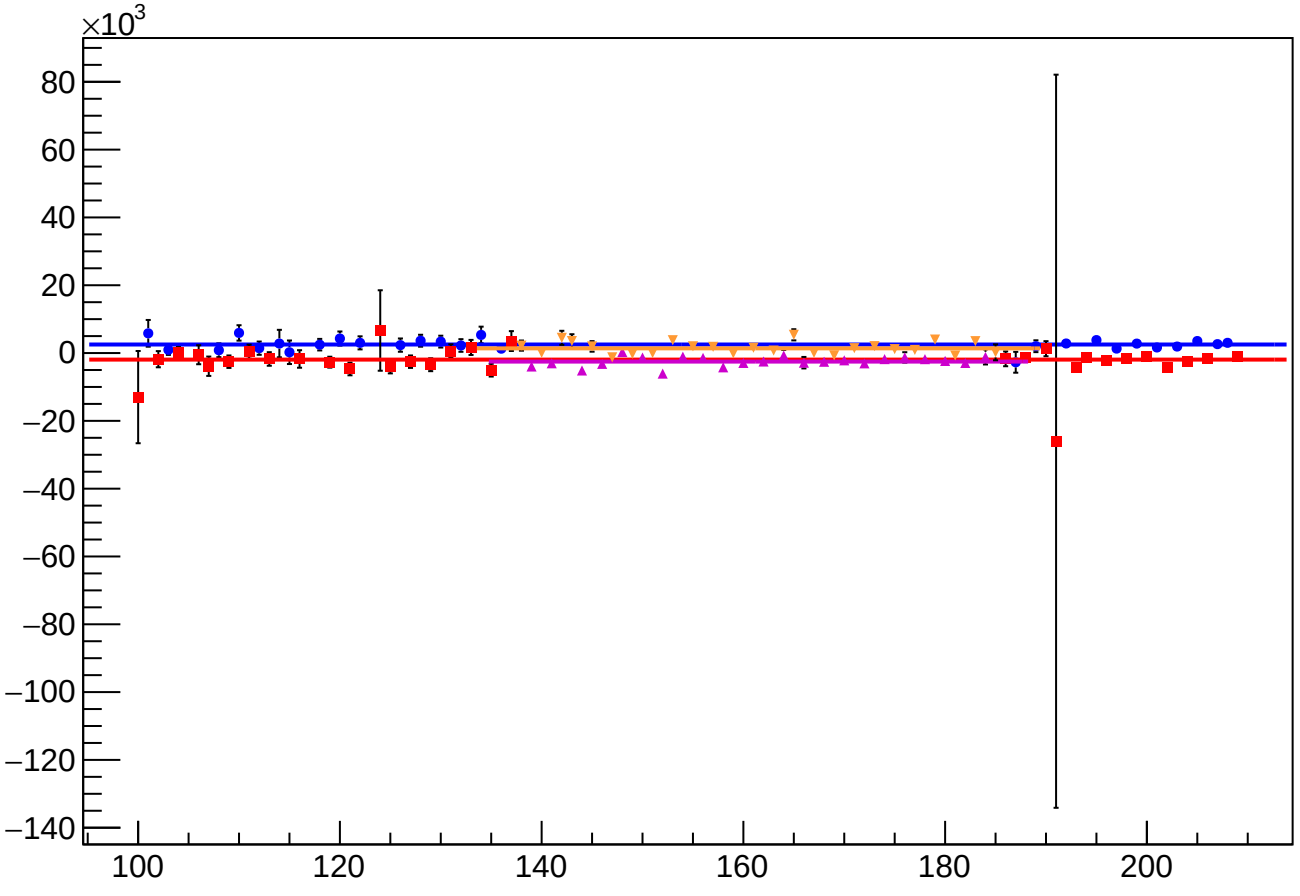
Right Out: 3402.003+/-0.672 χ^2/NDF: 7928395.9/31

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3954.359+/-0.513 χ^2/NDF: 10096534.2/51

All: 3963.822+/-0.364 χ^2/NDF: 21026534.7/1

\- sign 3973.458+/-0.517 χ^2/NDF: 10929312.6/54



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1932.295+/-320.687 χ^2/NDF: 28.6/31

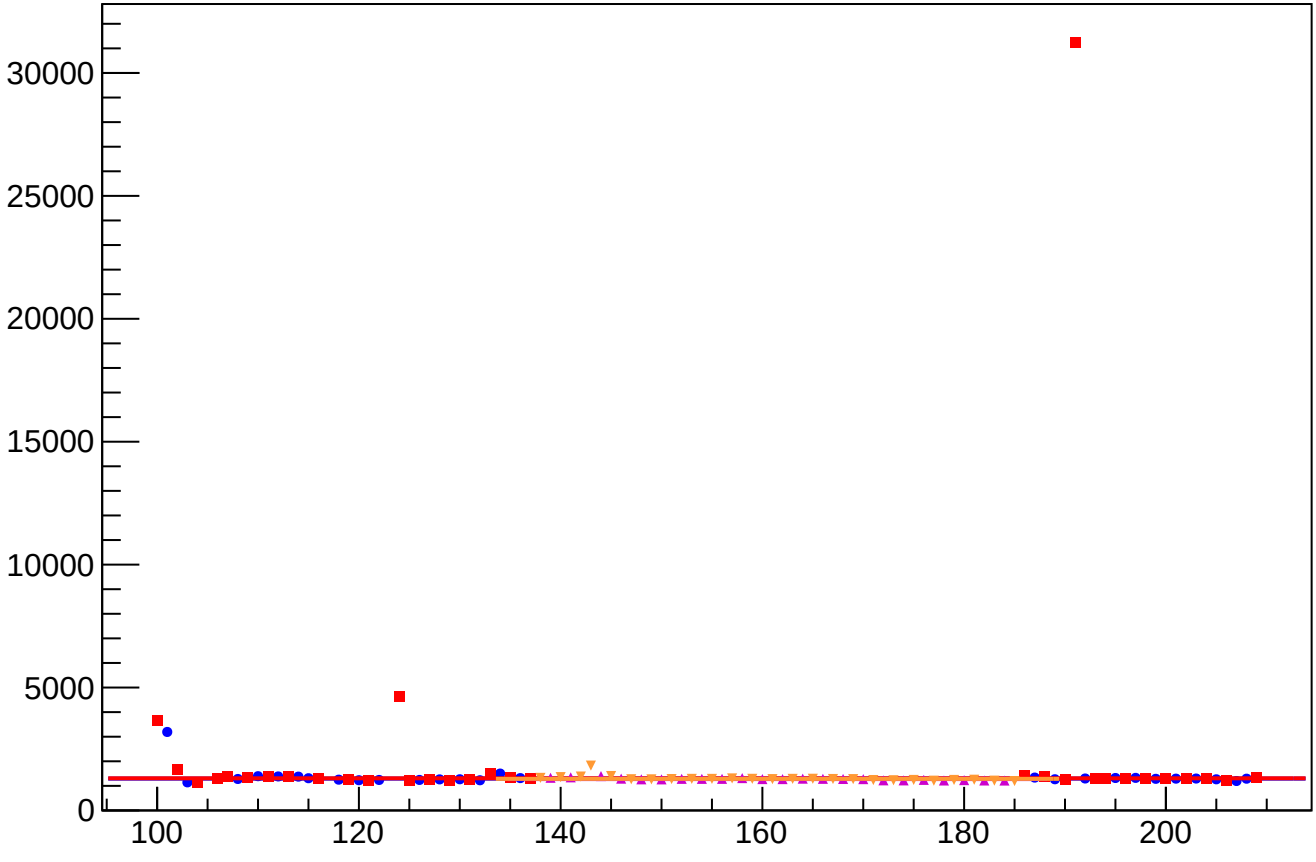
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1886.930+/-218.496 χ^2/NDF: 54.5/51

All: -181.674+/-154.443 χ^2/NDF: 286.5/106

- sign -2247.236+/-218.336 χ^2/NDF: 52.8/54

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

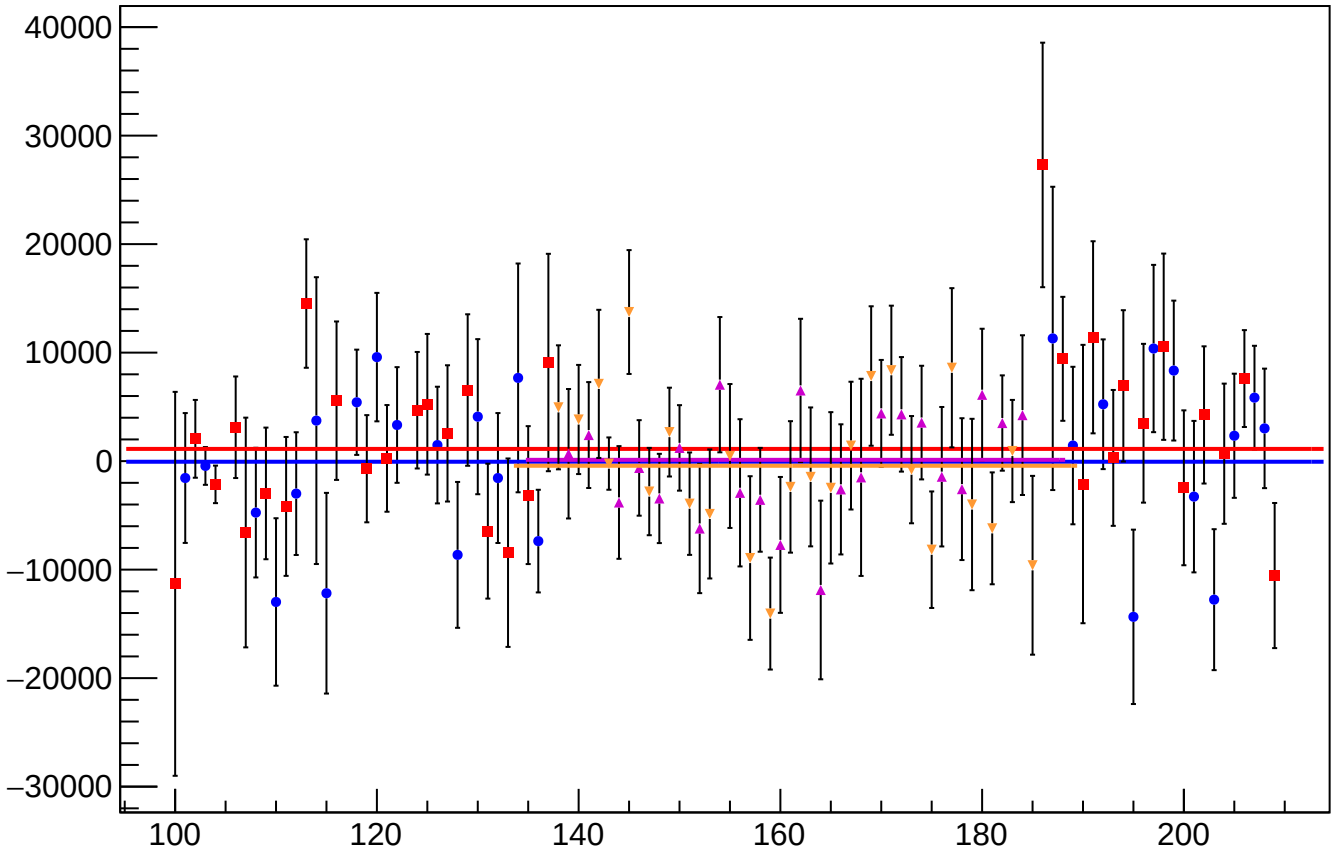
Right Out: 1307.951+/-0.227 χ^2/NDF: 505573.7/31

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1289.618+/-0.155 χ^2/NDF: 724098.1/51

All: 1290.205+/-0.109 χ^2/NDF: 1281799.1/10

- sign 1290.791+/-0.154 χ^2/NDF: 557672.1/54



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

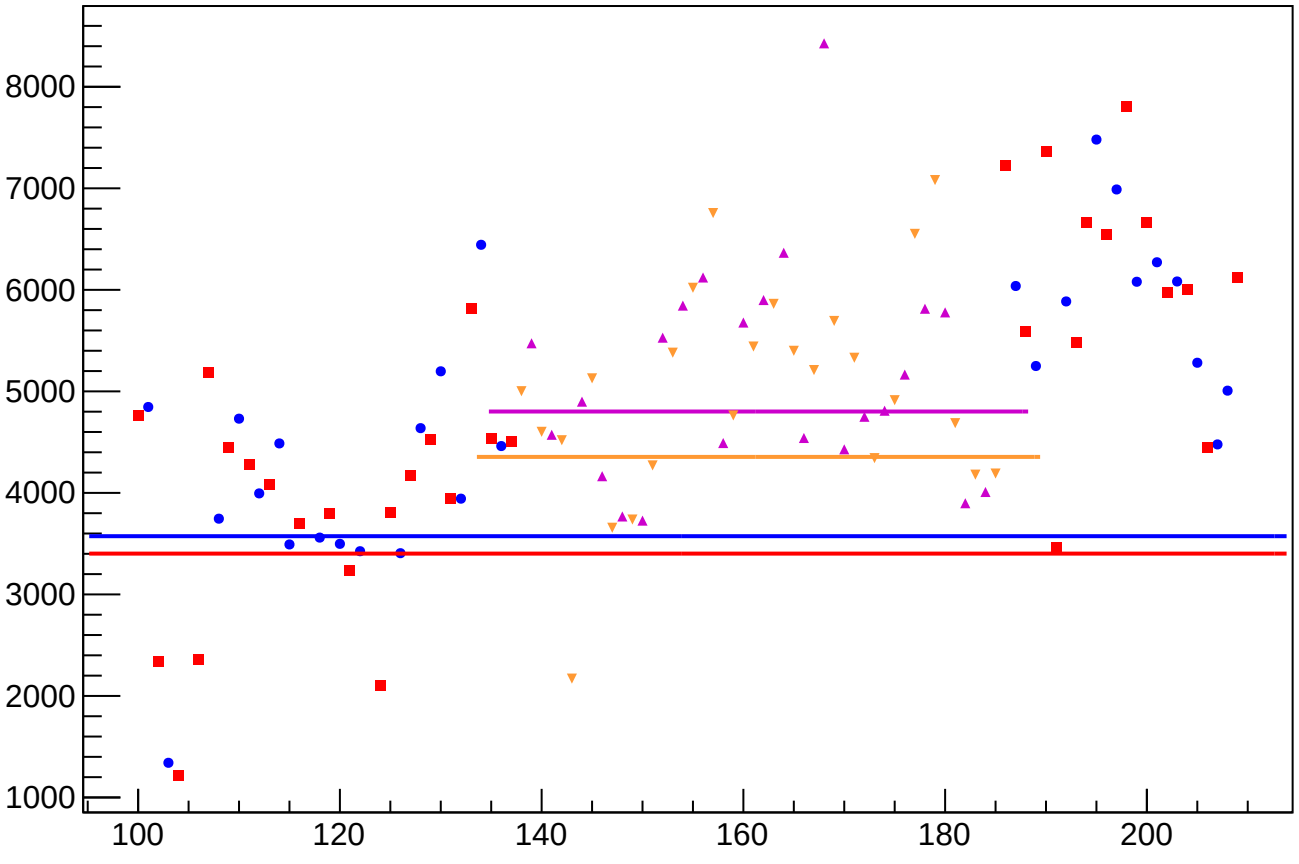
Right Out: 1126.202+/-950.904 χ^2/NDF: 33.5/31

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -238.029+/-724.858 χ^2/NDF: 59.1/51

All: 234.211+/-514.867 χ^2/NDF: 107.5/106

- sign 715.078+/-731.449 χ^2/NDF: 47.6/54



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3402.003+/-0.672 χ^2/NDF: 7928395.9/31

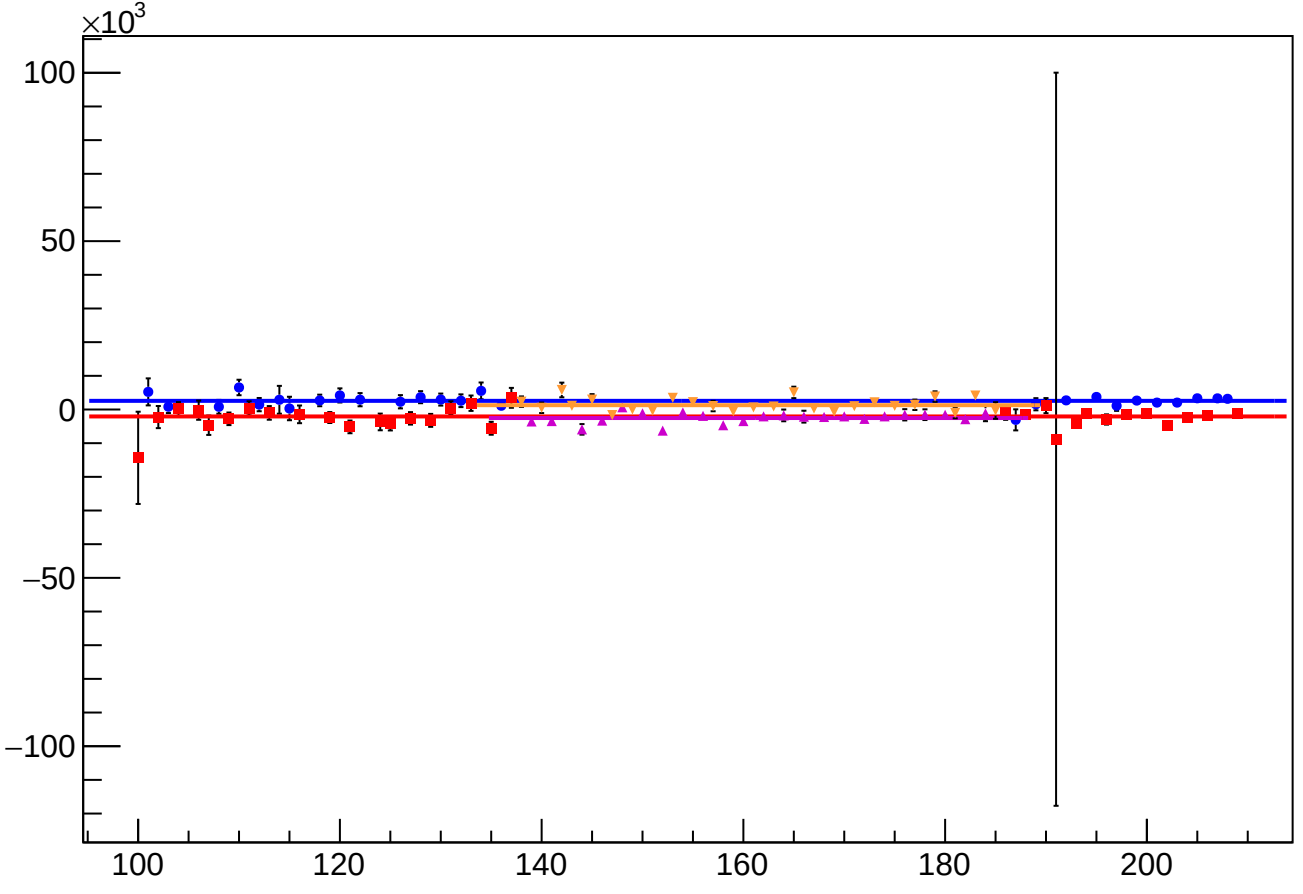
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3954.359+/-0.513 χ^2/NDF: 10096534.2/51

All: 3963.822+/-0.364 χ^2/NDF: 21026534.7/1

- sign 3973.458+/-0.517 χ^2/NDF: 10929312.6/54

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2570.681+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2062.781+/-327.591 χ^2/NDF: 30.1/31

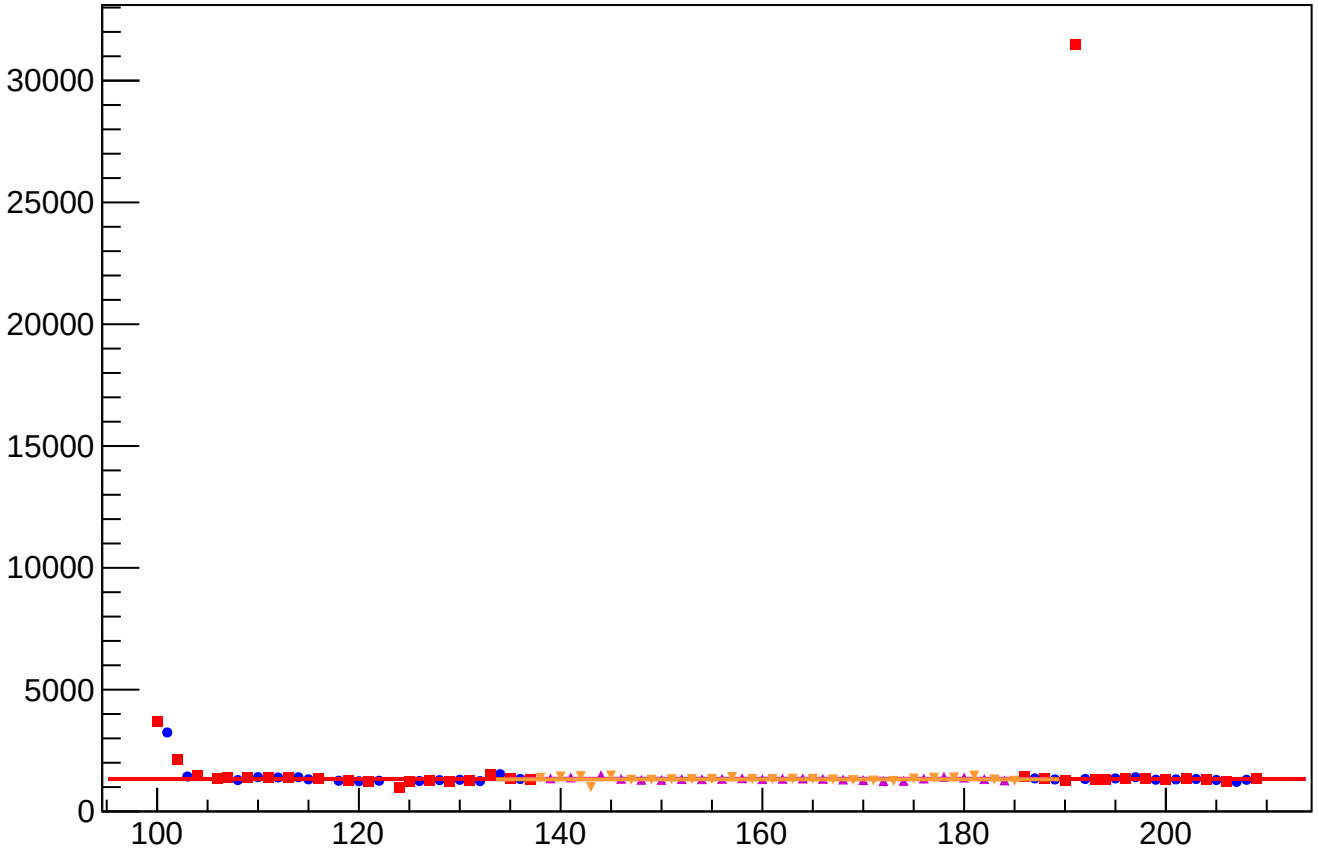
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1853.824+/-224.357 χ^2/NDF: 57.0/51

All: -209.498+/-159.314 χ^2/NDF: 283.8/106

- sign -2308.048+/-226.264 χ^2/NDF: 56.2/54

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.1/26

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

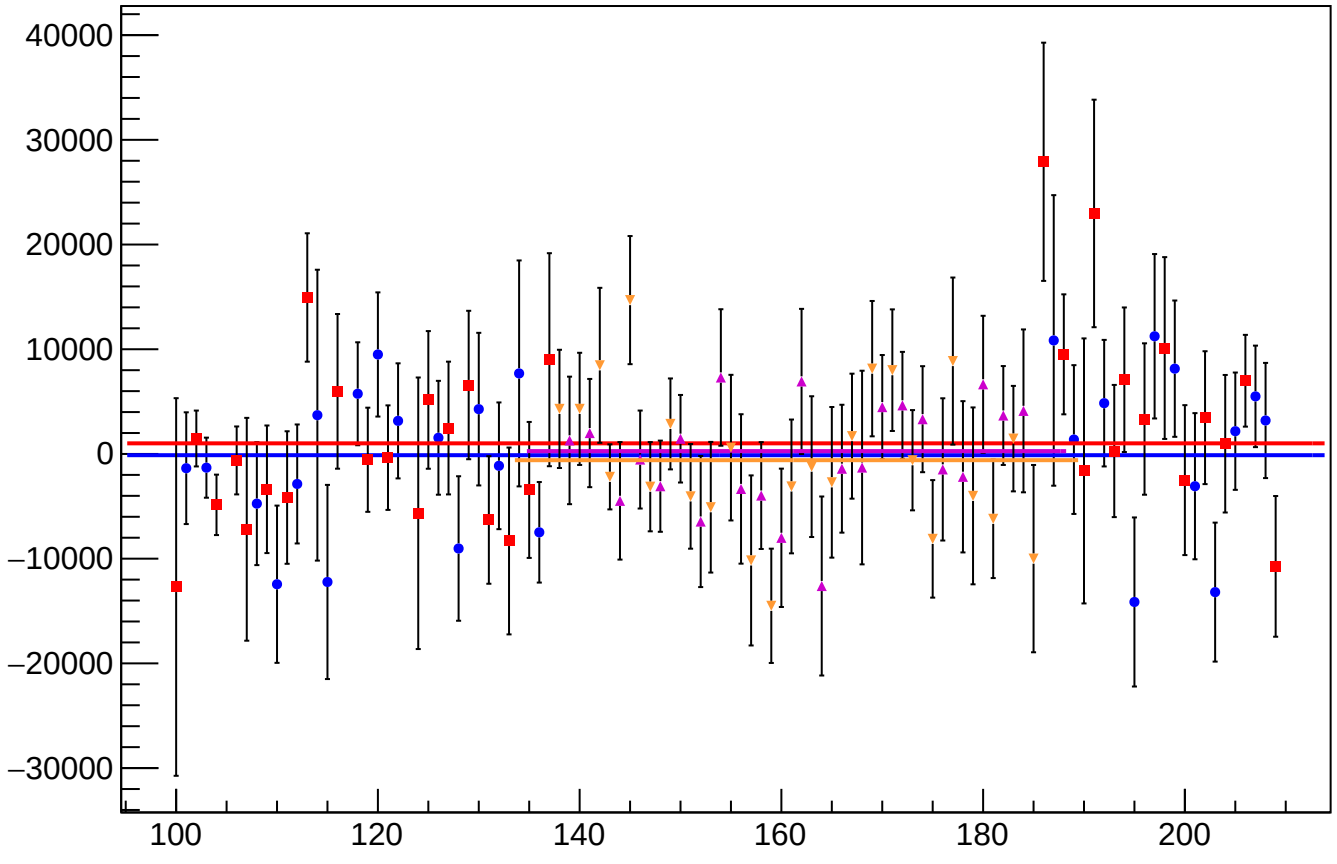
Right Out: 1334.115+/-0.232 χ^2/NDF: 447745.7/31

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1323.256+/-0.159 χ^2/NDF: 772052.4/51

All: 1329.803+/-0.113 χ^2/NDF: 1277678.3/10

- sign 1336.461+/-0.160 χ^2/NDF: 502190.5/54



Right In: -117.611+/-1143.138 χ^2/NDF: 29.0/26

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

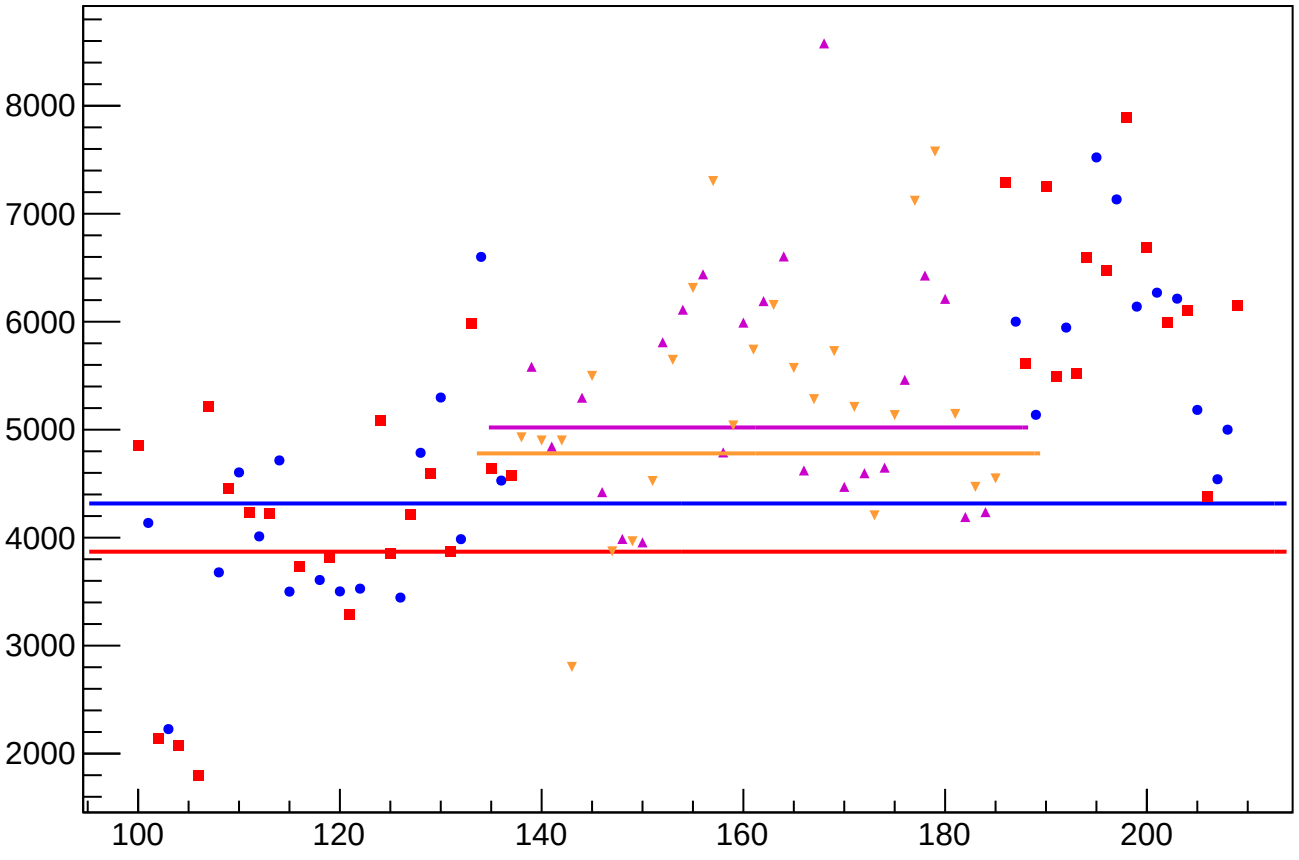
Right Out: 1013.665+/-1018.134 χ^2/NDF: 36.7/31

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -360.656+/-800.847 χ^2/NDF: 58.6/51

All: 188.104+/-557.101 χ^2/NDF: 109.9/106

- sign 702.657+/-775.484 χ^2/NDF: 50.4/54



Right In: 4316.696+/-0.808 χ^2/NDF: 2763090.9/26

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

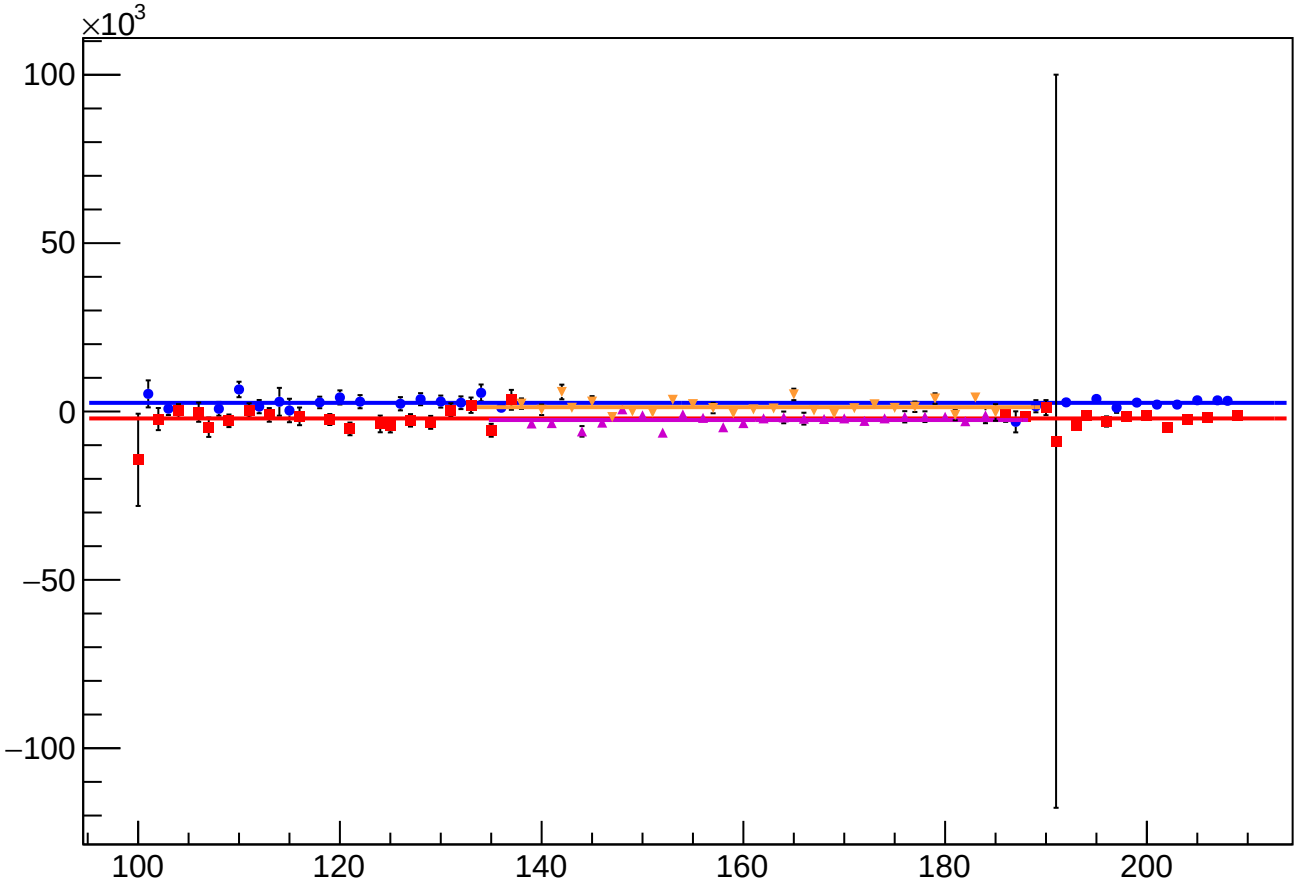
Right Out: 3870.044+/-0.720 χ^2/NDF: 5437217.0/31

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

\+ sign 4552.814+/-0.566 χ^2/NDF: 4936906.6/51

All: 4449.741+/-0.394 χ^2/NDF: 12735682.2/1

\- sign 4353.094+/-0.548 χ^2/NDF: 7734581.7/54



Right In: 2570.678+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2062.780+/-327.591 χ^2/NDF: 30.1/31

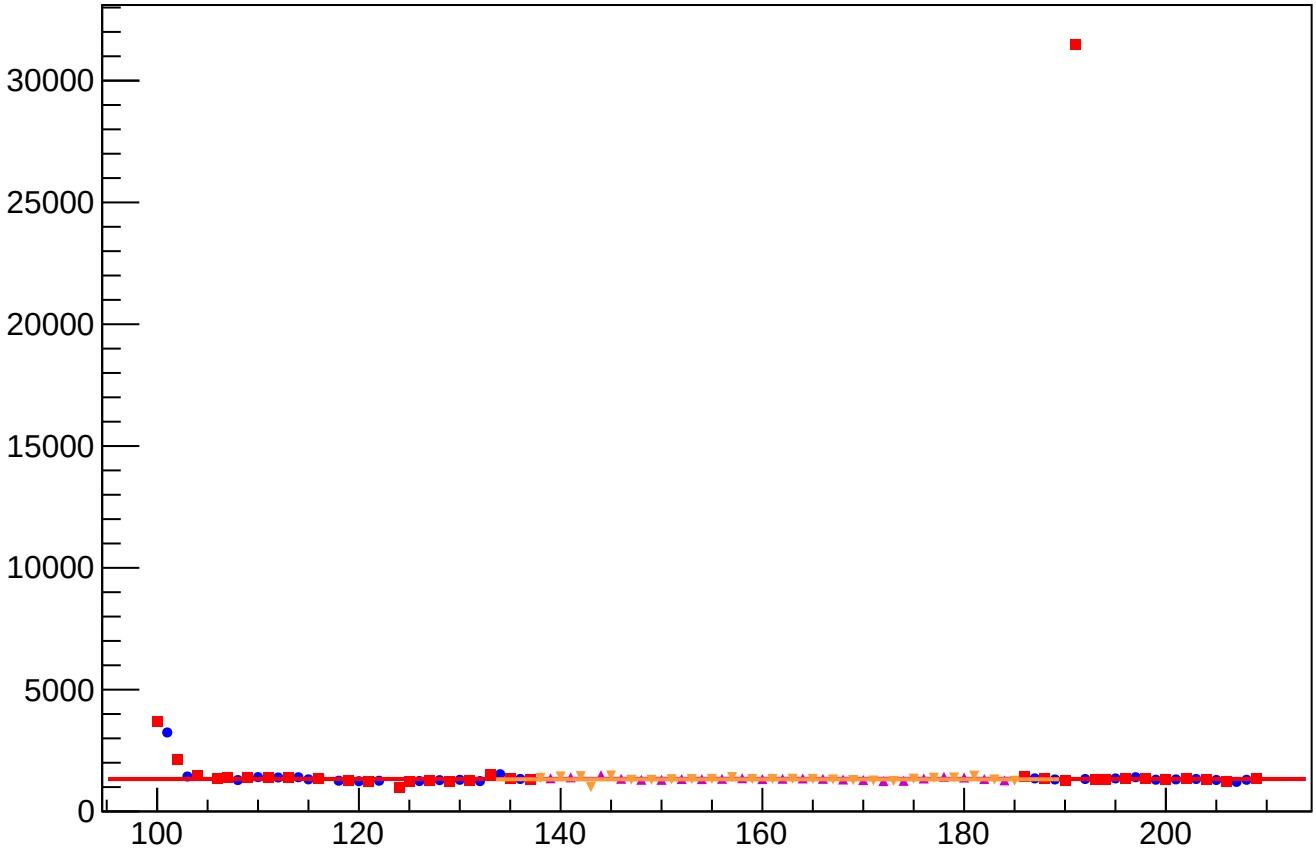
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1853.821+/-224.357 χ^2/NDF: 57.0/51

All: -209.499+/-159.314 χ^2/NDF: 283.8/106

- sign -2308.047+/-226.264 χ^2/NDF: 56.2/54

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.2/26

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

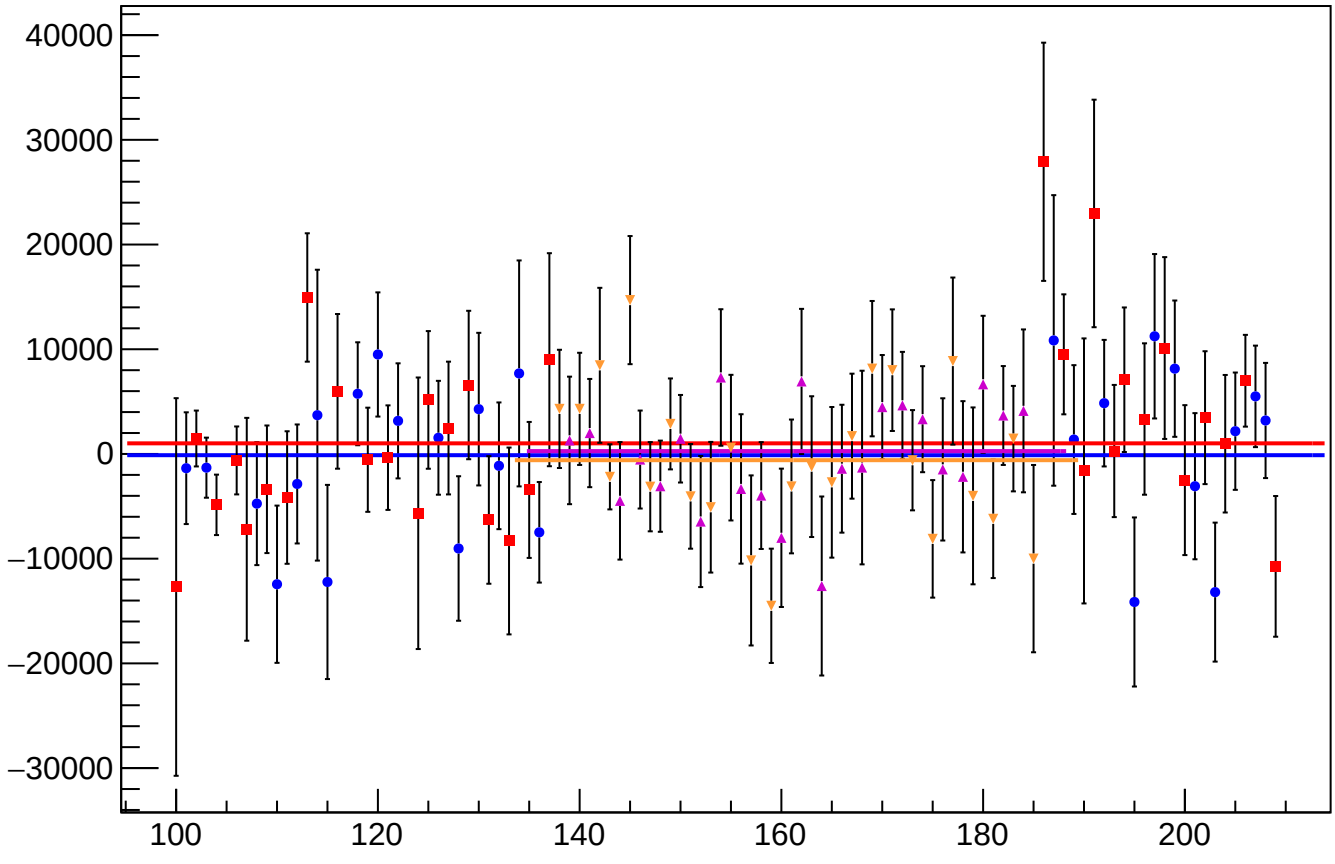
Right Out: 1334.114+/-0.232 χ^2/NDF: 447744.8/31

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1323.256+/-0.159 χ^2/NDF: 772054.7/51

All: 1329.804+/-0.113 χ^2/NDF: 1277682.3/10

- sign 1336.462+/-0.160 χ^2/NDF: 502192.2/54



Right In: -117.609+/-1143.137 χ^2/NDF: 29.0/26

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

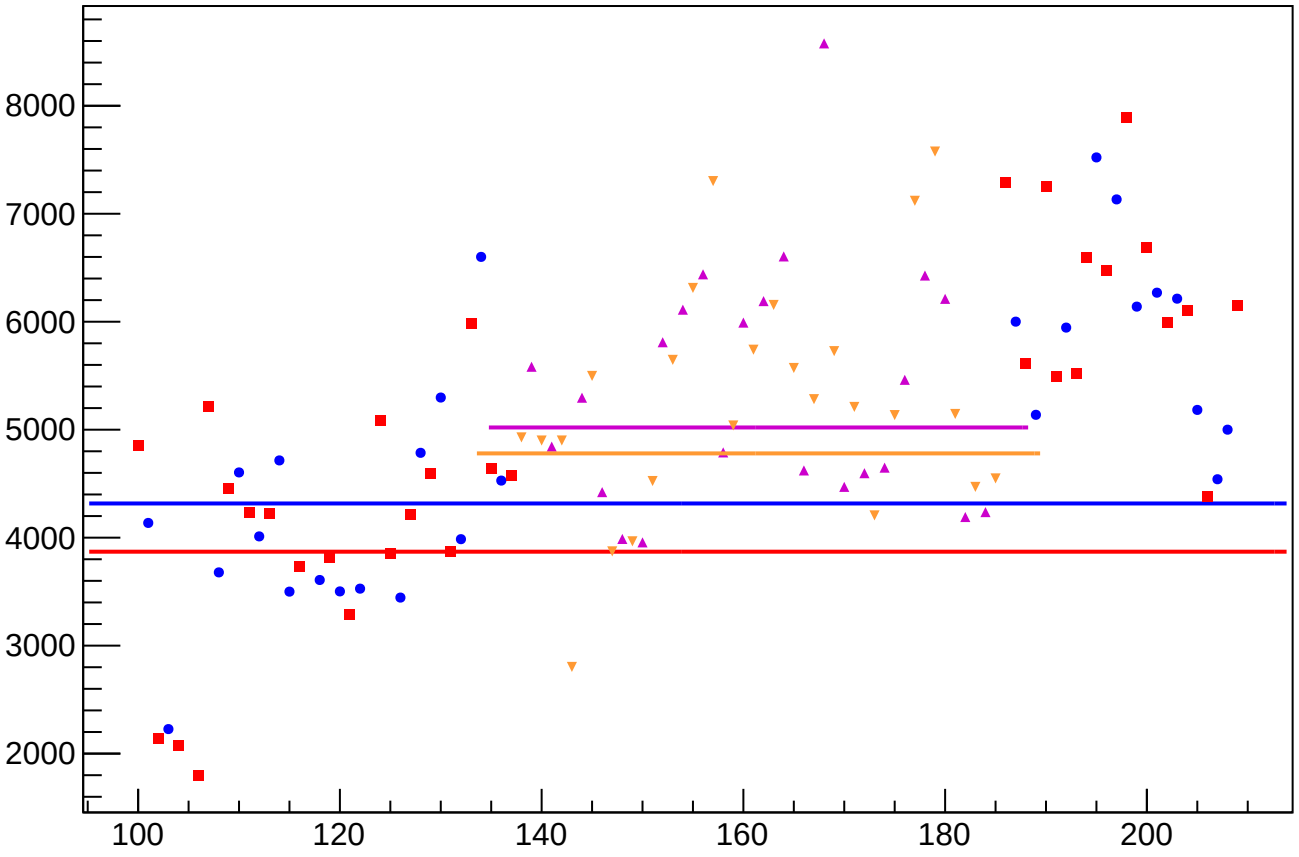
Right Out: 1013.658+/-1018.132 χ^2/NDF: 36.7/31

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -360.657+/-800.847 χ^2/NDF: 58.6/51

All: 188.103+/-557.101 χ^2/NDF: 109.9/106

- sign 702.655+/-775.484 χ^2/NDF: 50.4/54



Right In: 4316.690+/-0.808 χ^2/NDF: 2763118.7/26

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3870.036+/-0.720 χ^2/NDF: 5437253.8/31

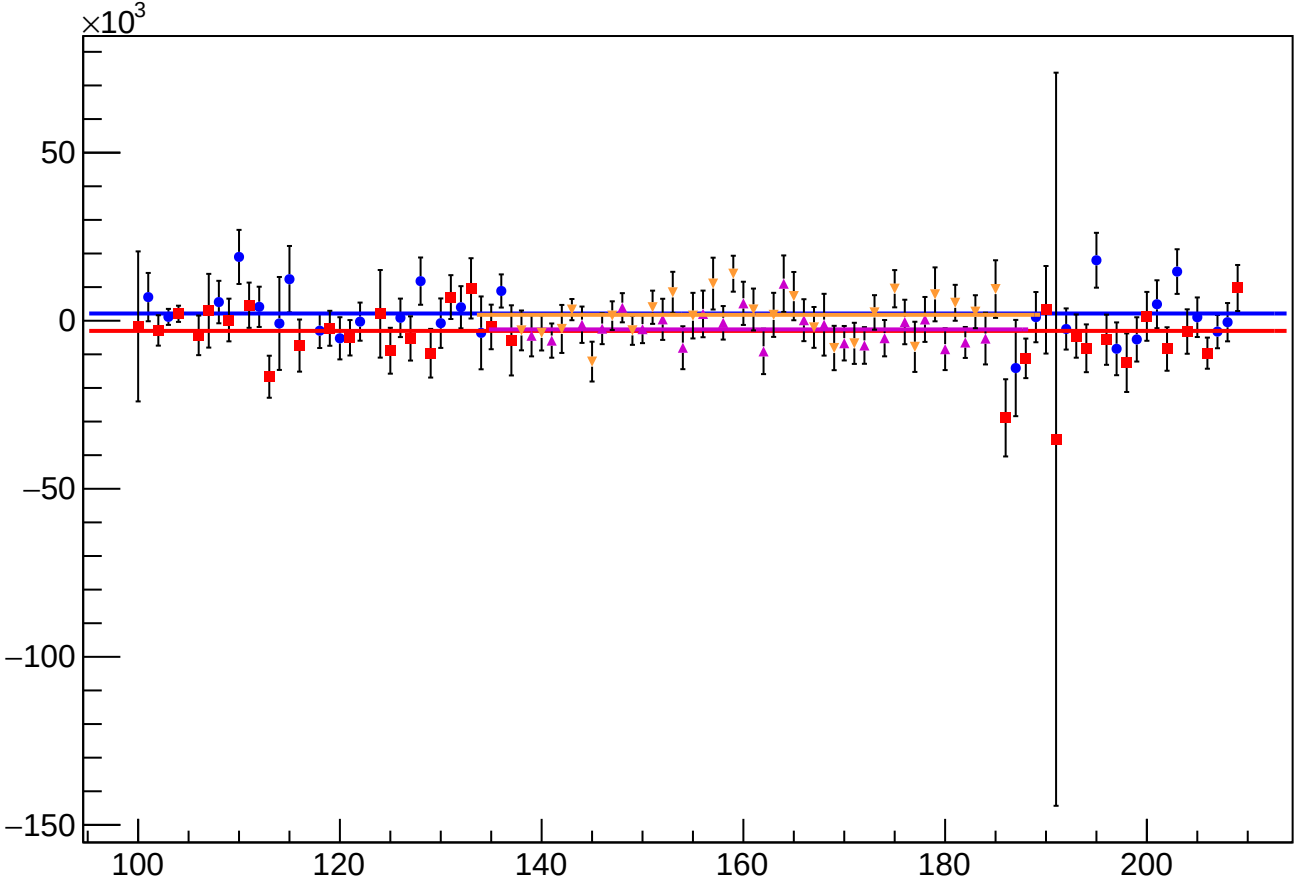
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4552.814+/-0.566 χ^2/NDF: 4936945.9/51

All: 4449.740+/-0.394 χ^2/NDF: 12735793.1/1

- sign 4353.091+/-0.548 χ^2/NDF: 7734651.0/54

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2151.336+/-1143.715 χ^2/NDF: 27.3/26

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -3026.462+/-1110.740 χ^2/NDF: 33.7/31

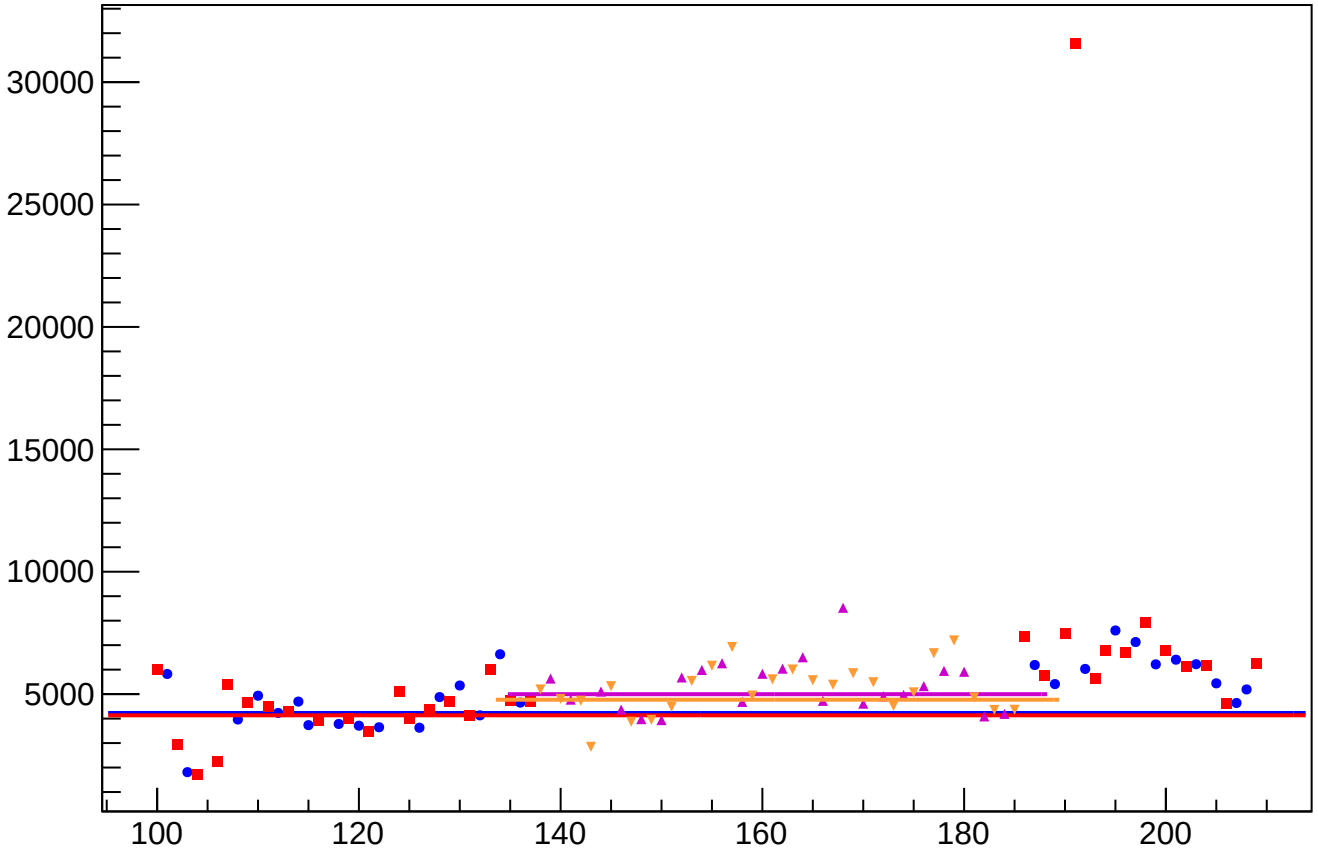
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1951.772+/-798.835 χ^2/NDF: 55.0/51

All: -395.761+/-569.284 χ^2/NDF: 119.6/106

- sign -2818.284+/-811.494 χ^2/NDF: 47.1/54

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4229.041+/-0.809 χ^2/NDF: 4011343.3/26

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4133.376+/-0.778 χ^2/NDF: 5139966.8/31

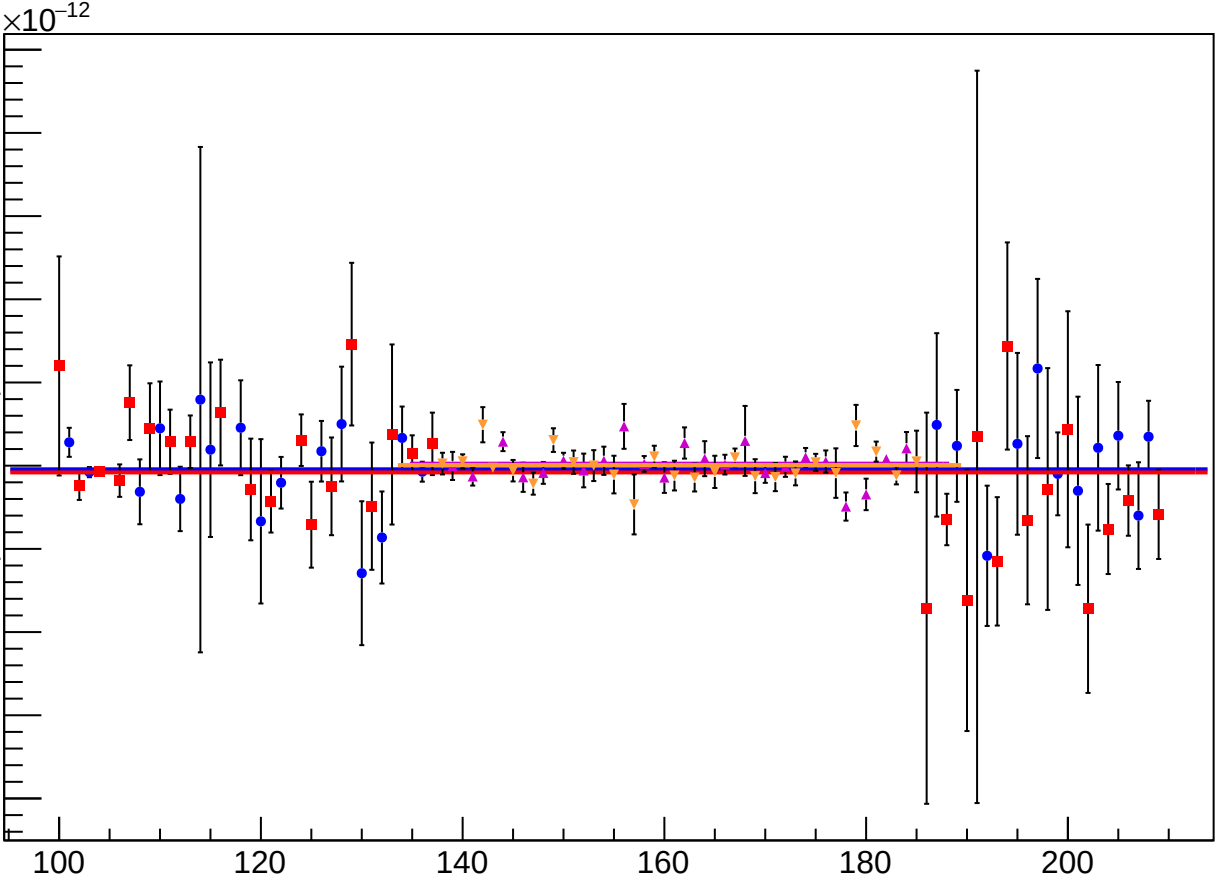
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4506.701+/-0.565 χ^2/NDF: 6028582.8/51

All: 4519.120+/-0.402 χ^2/NDF: 12833767.3/1

- sign 4531.806+/-0.571 χ^2/NDF: 6804207.4/54

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

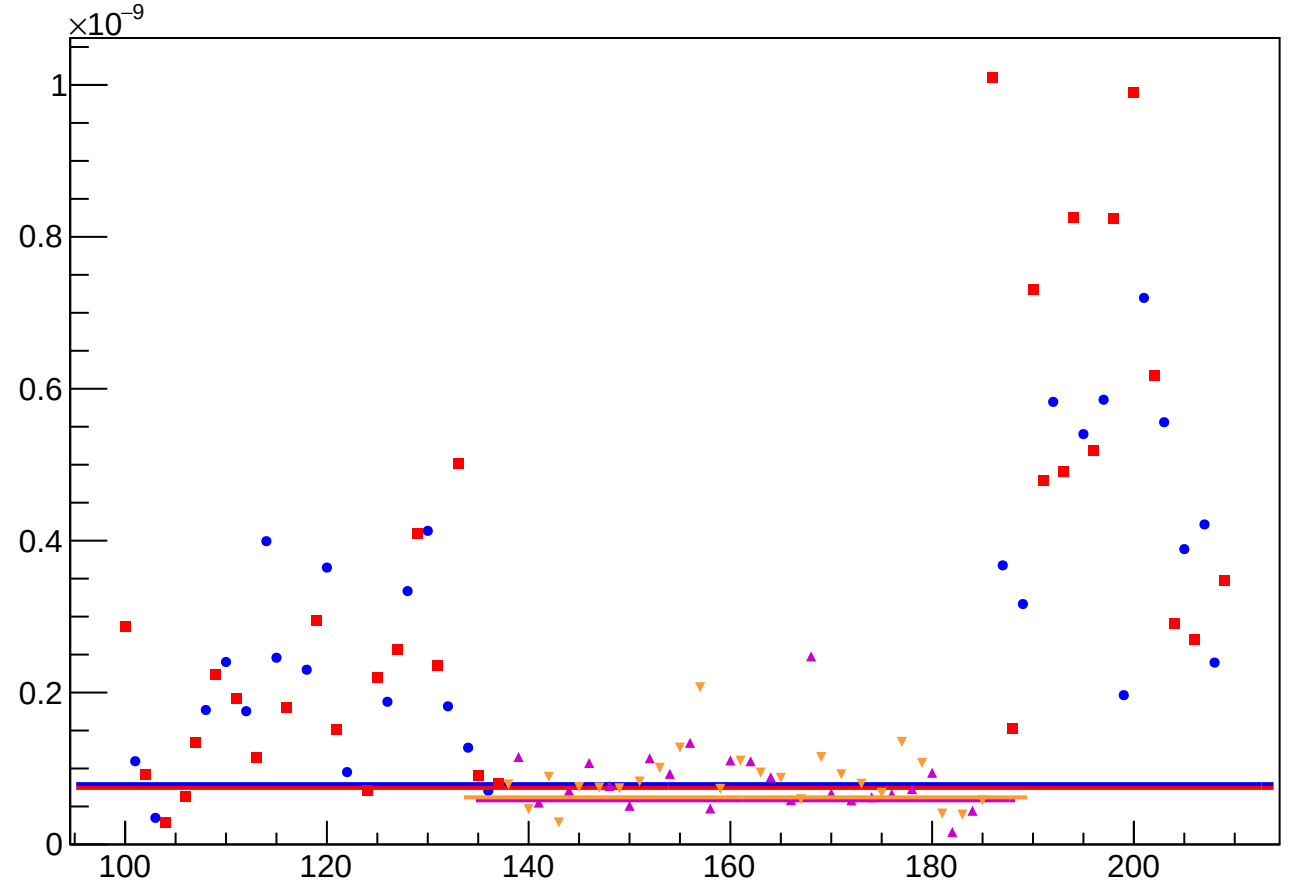
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/31

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.1/51

All: -0.000+/-0.000 χ^2/NDF: 116.2/106

- sign -0.000+/-0.000 χ^2/NDF: 69.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 7179193.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

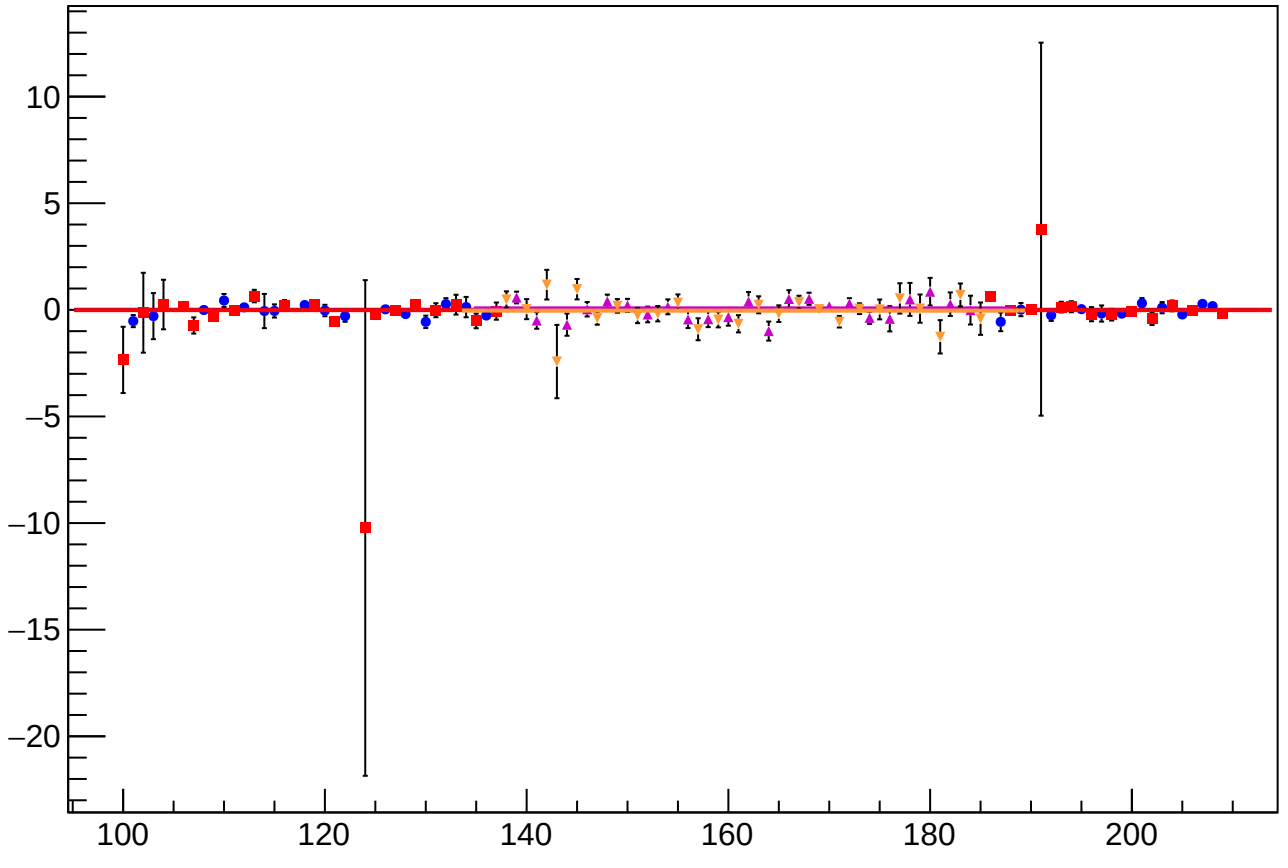
Right Out: 0.000+/-0.000 χ^2/NDF: 8800417.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9830525.3/51

All: 0.000+/-0.000 χ^2/NDF: 21817592.0/106

- sign 0.000+/-0.000 χ^2/NDF: 11957150.6/54



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

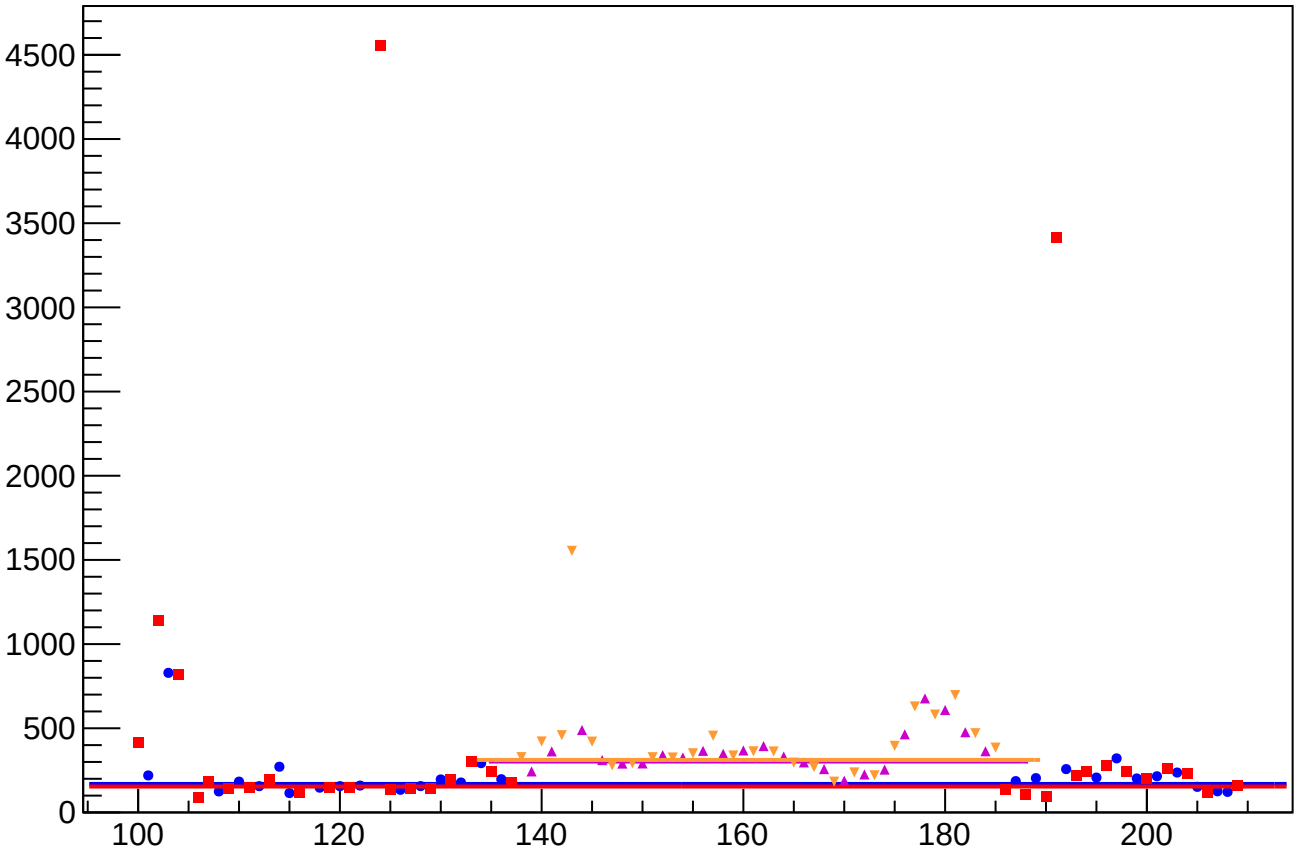
Right Out: -0.015+/-0.042 χ^2/NDF: 40.9/31

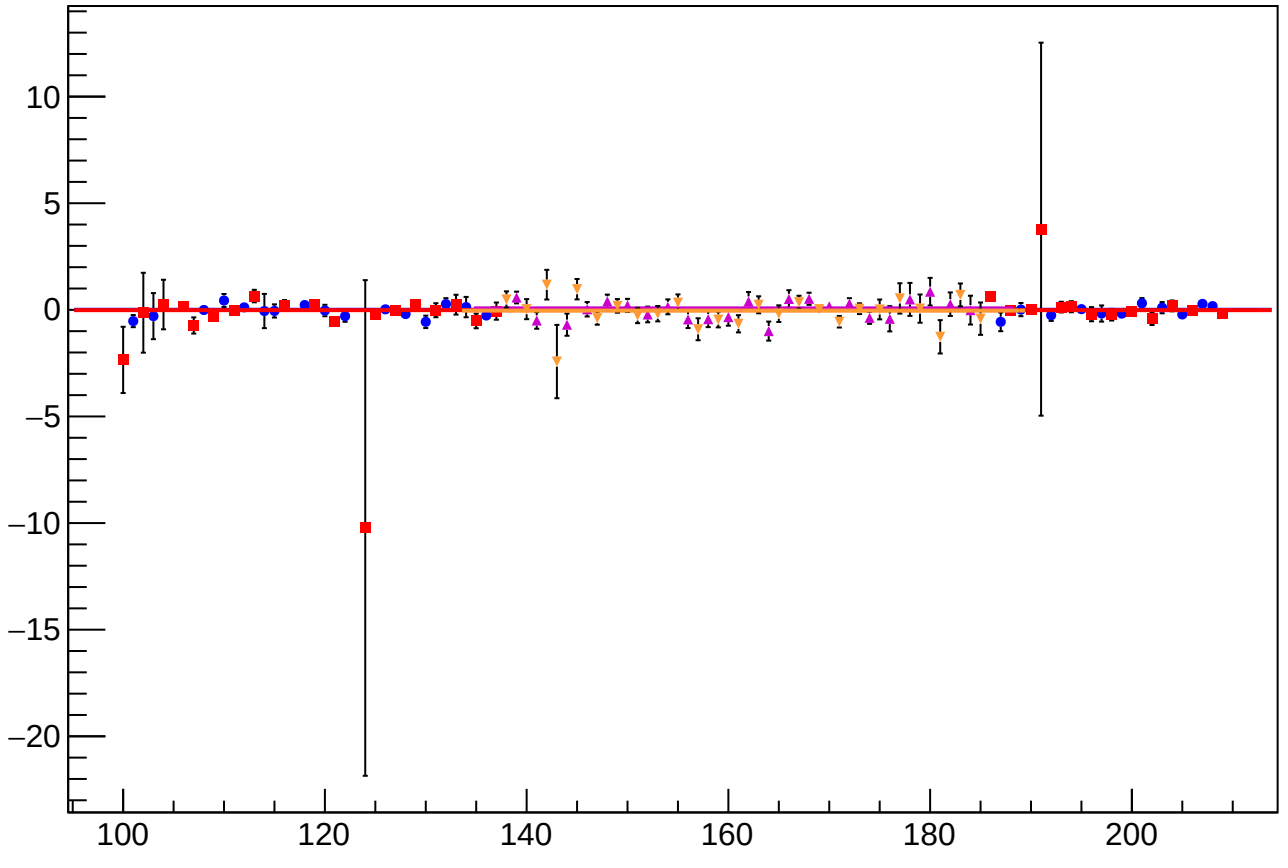
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: -0.000+/-0.027 χ^2/NDF: 132.1/106

- sign 0.006+/-0.037 χ^2/NDF: 71.8/54


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 169.335+/-0.033 χ²/NDF: 2602946.9/26
Left Out: 311.961+/-0.054 χ²/NDF:4350162.2/24
Right Out: 153.964+/-0.030 χ²/NDF: 4773948.5/31
Left In: 302.375+/-0.053 χ²/NDF:2808730.8/22
+ sign 207.446+/-0.028 χ²/NDF: 12024289.6/51
All: 197.903+/-0.019 χ²/NDF: 25784962.3/10
- sign 189.698+/-0.026 χ²/NDF: 13545037.7/54



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

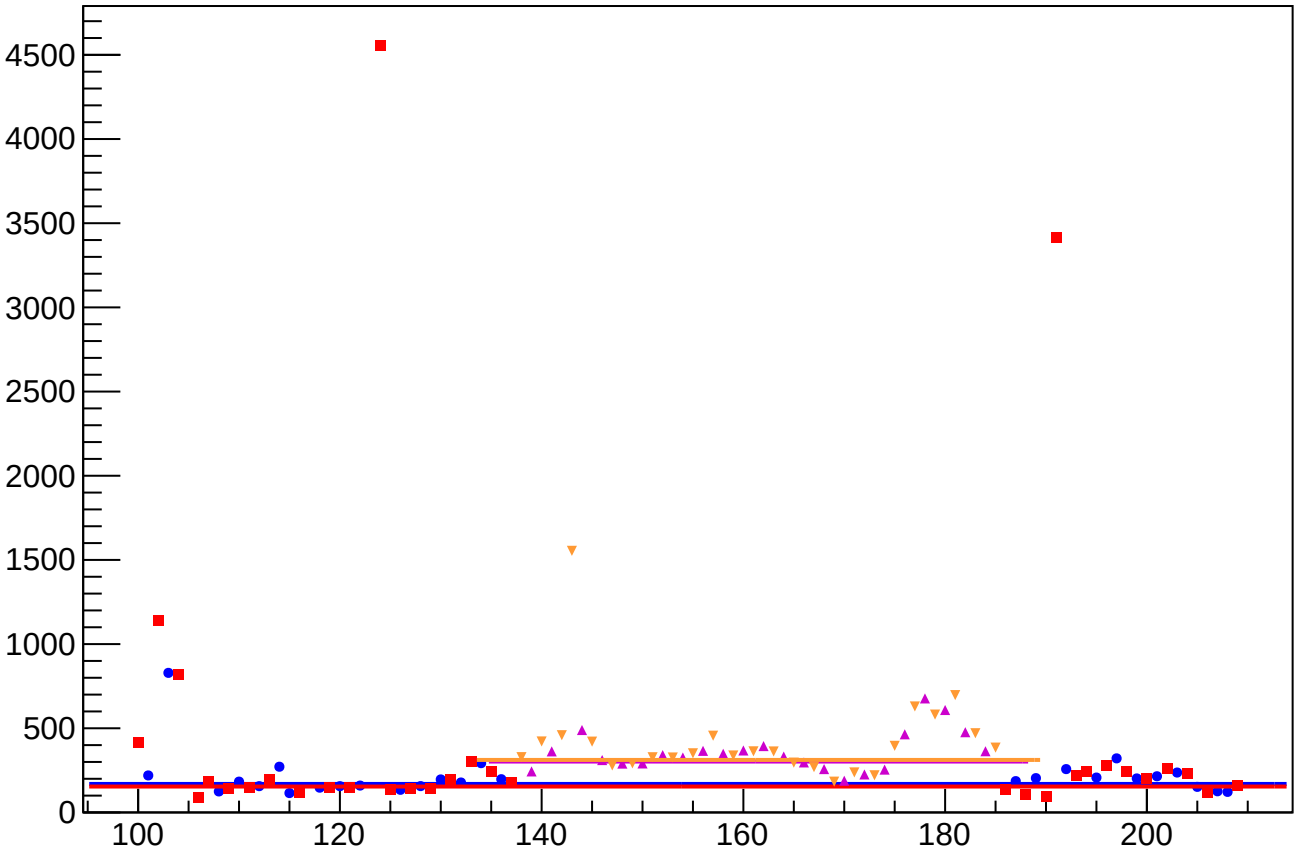
Right Out: -0.015+/-0.042 χ^2/NDF: 40.9/31

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: -0.000+/-0.027 χ^2/NDF: 132.1/106

- sign 0.006+/-0.037 χ^2/NDF: 71.8/54



Right In: 169.335+/-0.033 χ^2/NDF: 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

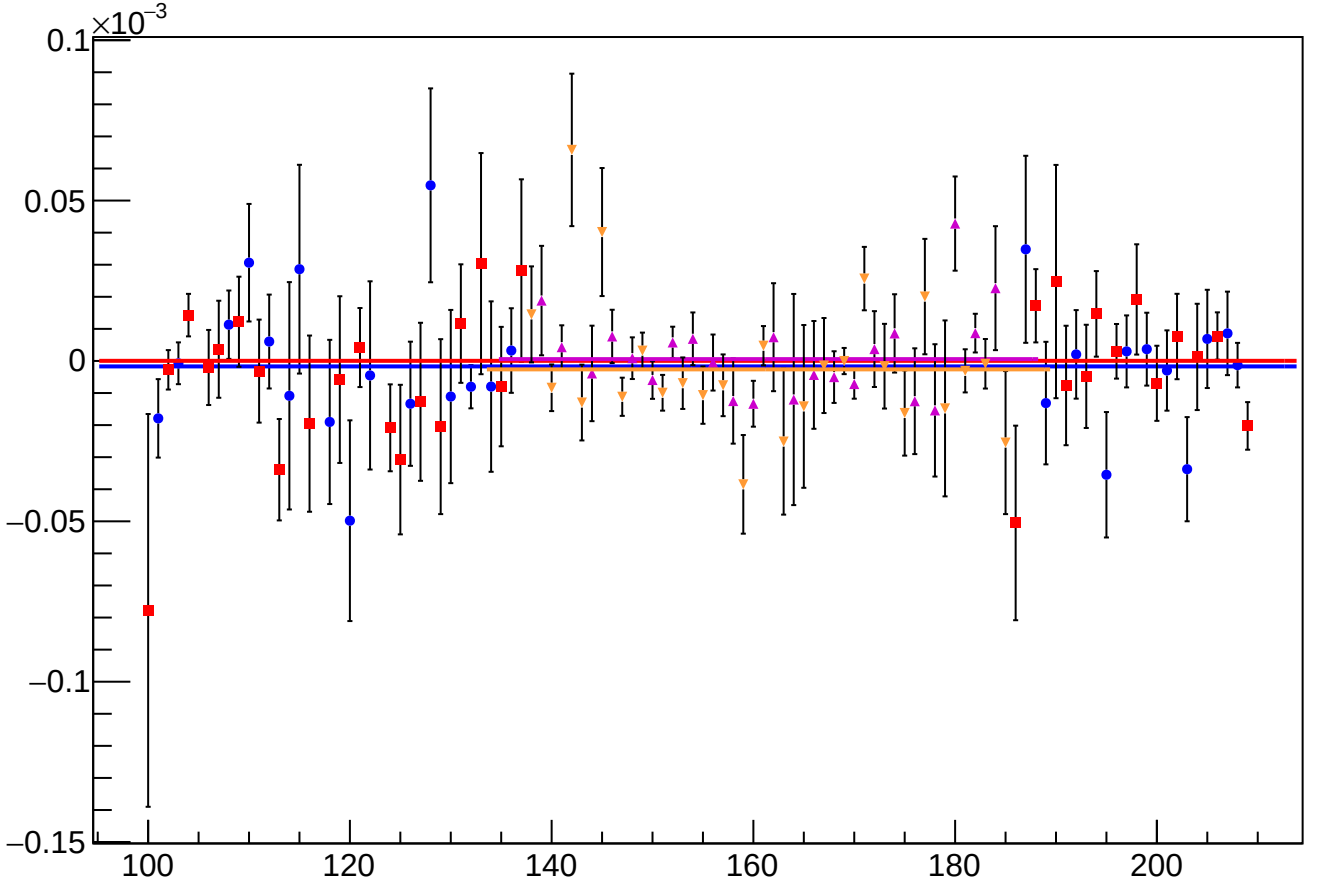
Right Out: 153.964+/-0.030 χ^2/NDF: 4773948.5/31

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 207.446+/-0.028 χ^2/NDF: 12024289.6/51

All: 197.903+/-0.019 χ^2/NDF: 25784962.3/10

- sign 189.698+/-0.026 χ^2/NDF: 13545037.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

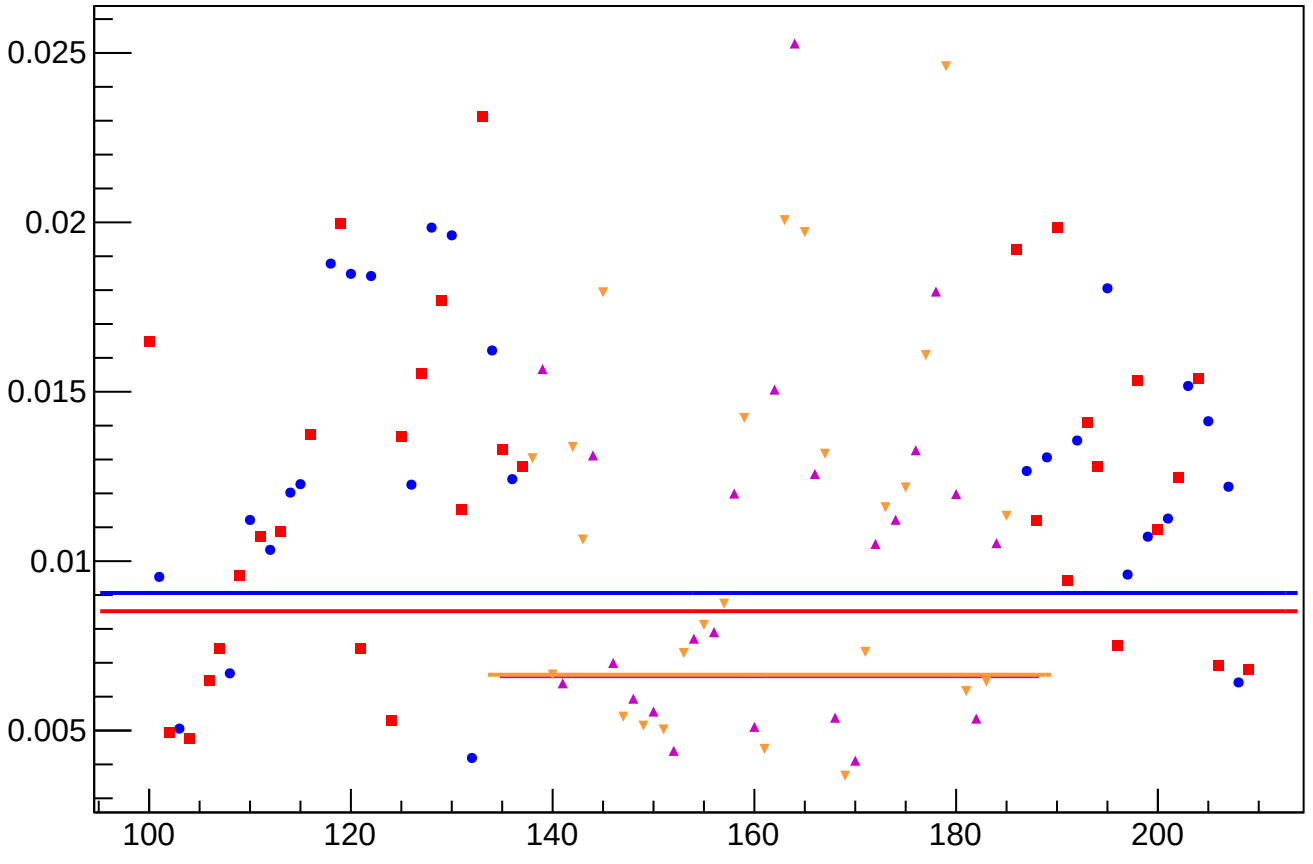
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/31

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.2/51

All: -0.000+/-0.000 χ^2/NDF: 134.4/106

- sign 0.000+/-0.000 χ^2/NDF: 64.4/54



Right In: 0.009+/-0.000 χ^2/NDF: 5313313.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

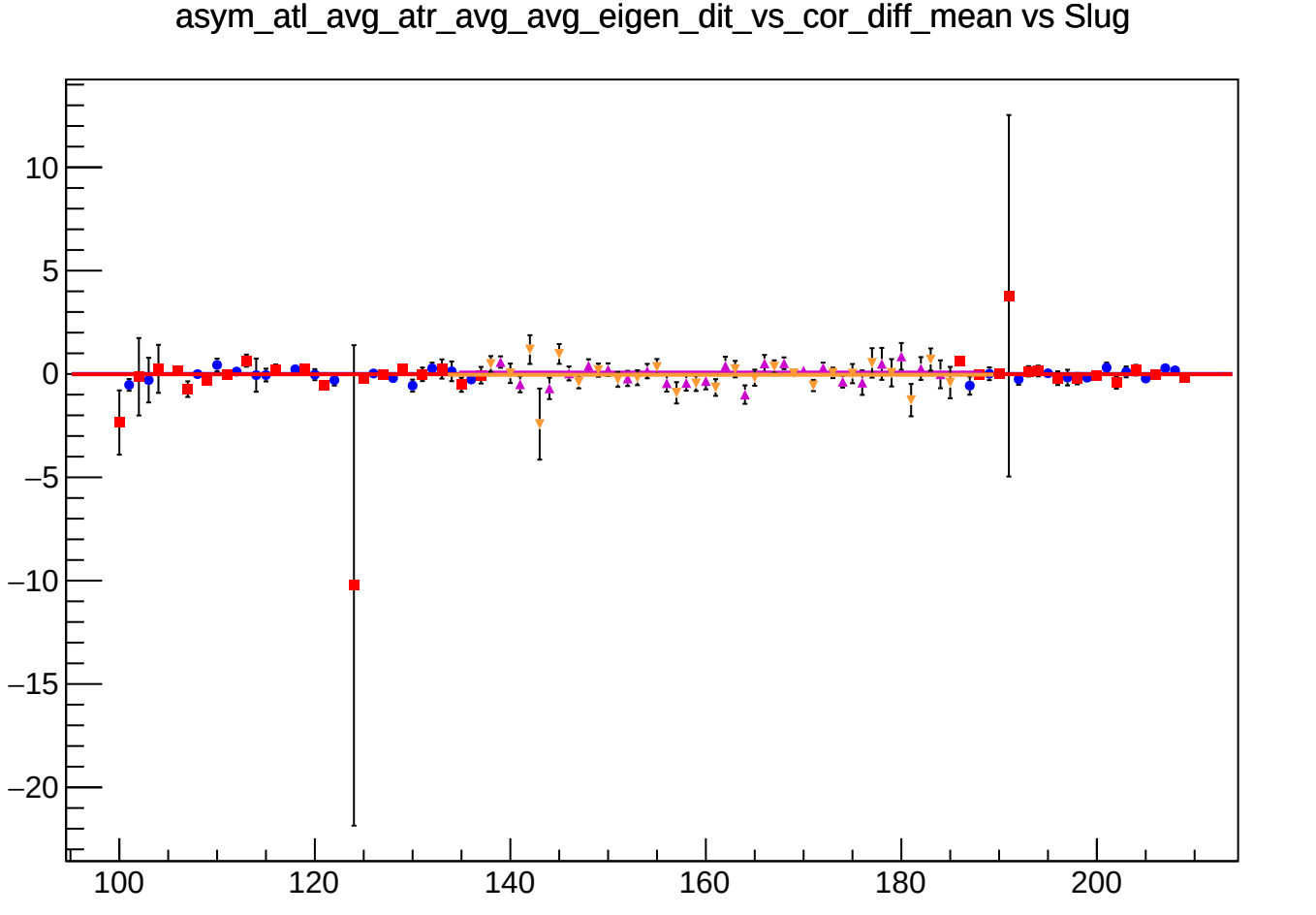
Right Out: 0.009+/-0.000 χ^2/NDF: 5330149.0/31

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 14057800.6/51

All: 0.007+/-0.000 χ^2/NDF: 26130818.4/106

- sign 0.007+/-0.000 χ^2/NDF: 12069505.1/54



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.015+/-0.042 χ^2/NDF: 40.9/31

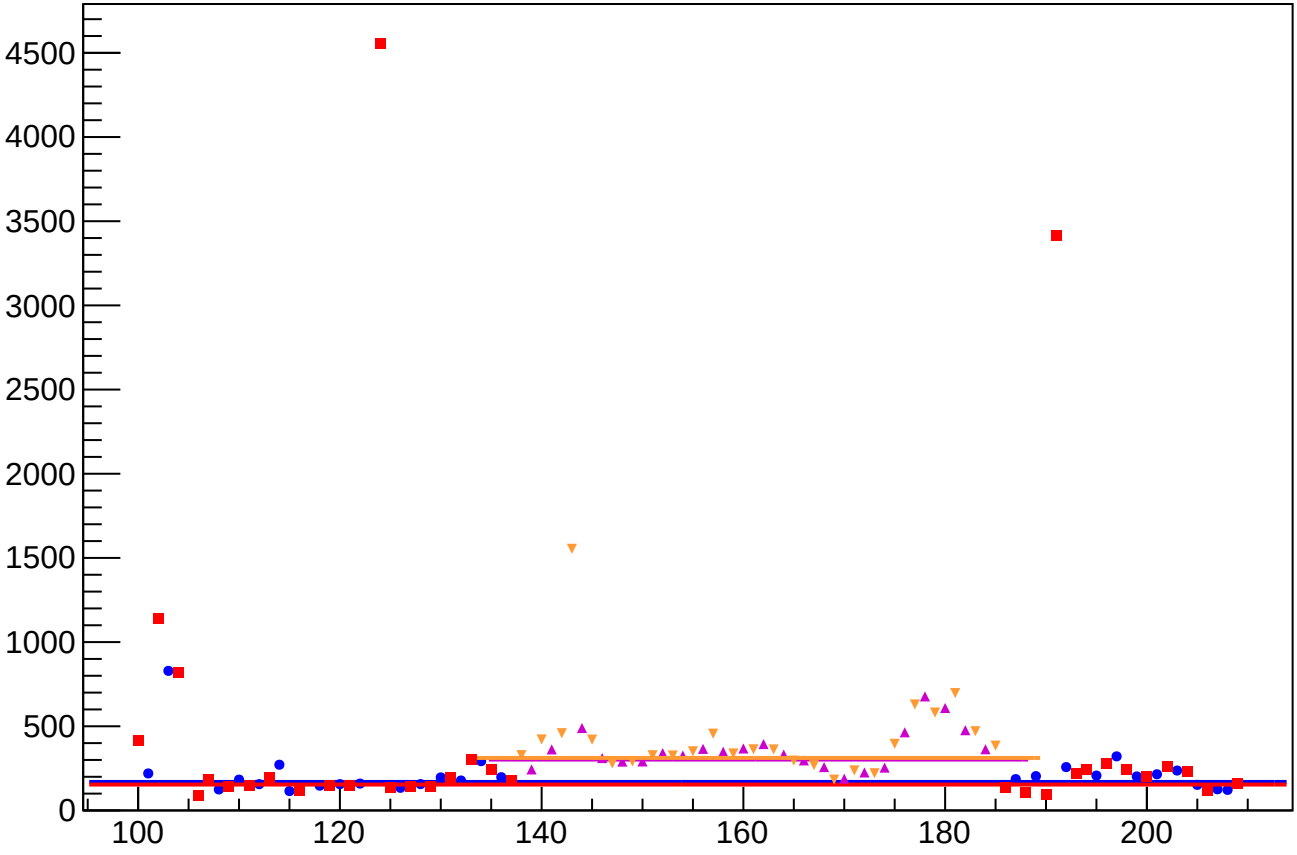
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: -0.000+/-0.027 χ^2/NDF: 132.1/106

- sign 0.006+/-0.037 χ^2/NDF: 71.8/54

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 169.334+/-0.033 χ^2/NDF: 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

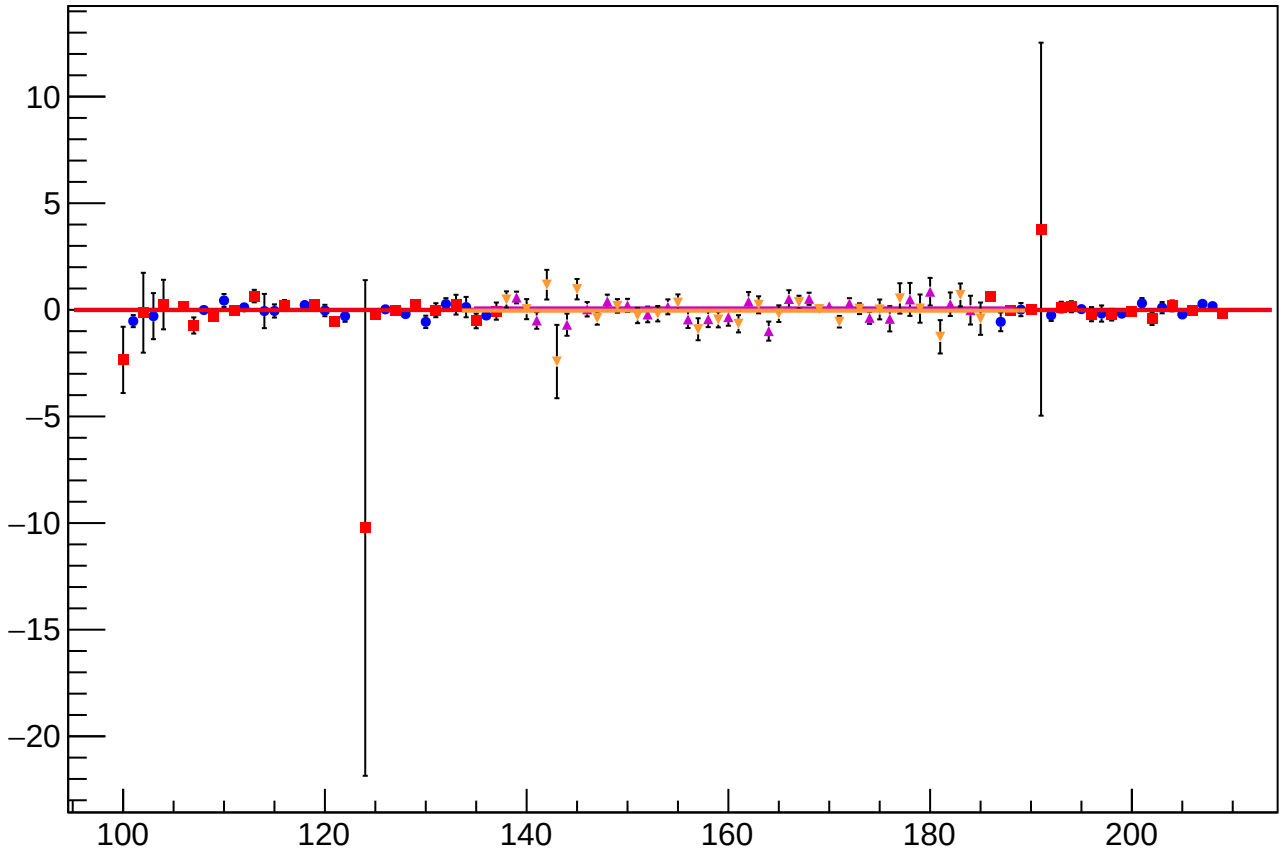
Right Out: 153.961+/-0.030 χ^2/NDF: 4774177.9/31

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 207.445+/-0.028 χ^2/NDF: 12024649.6/51

All: 197.901+/-0.019 χ^2/NDF: 25786065.6/10

- sign 189.695+/-0.026 χ^2/NDF: 13545736.4/54



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

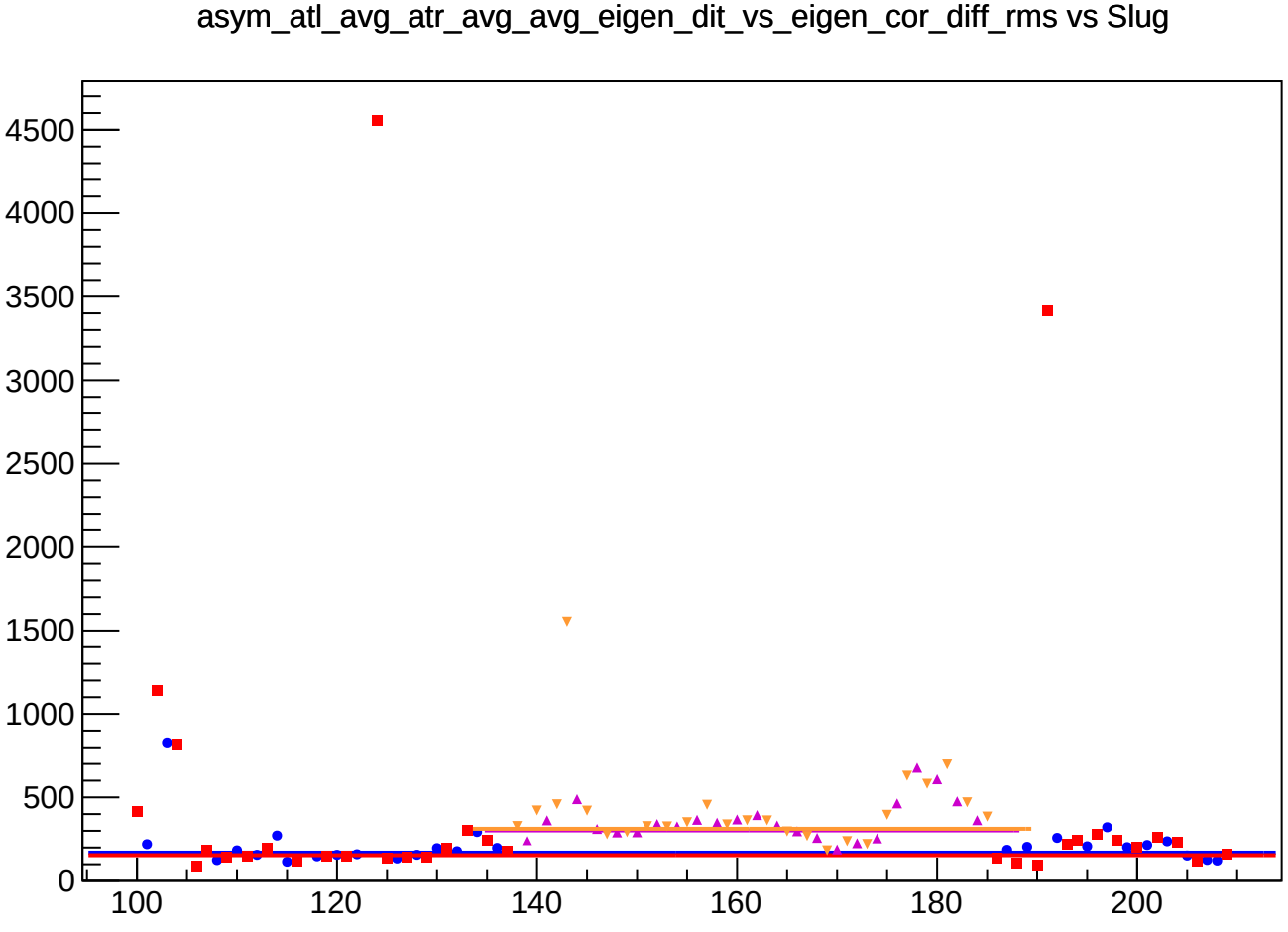
Right Out: -0.015+/-0.042 χ^2/NDF: 40.9/31

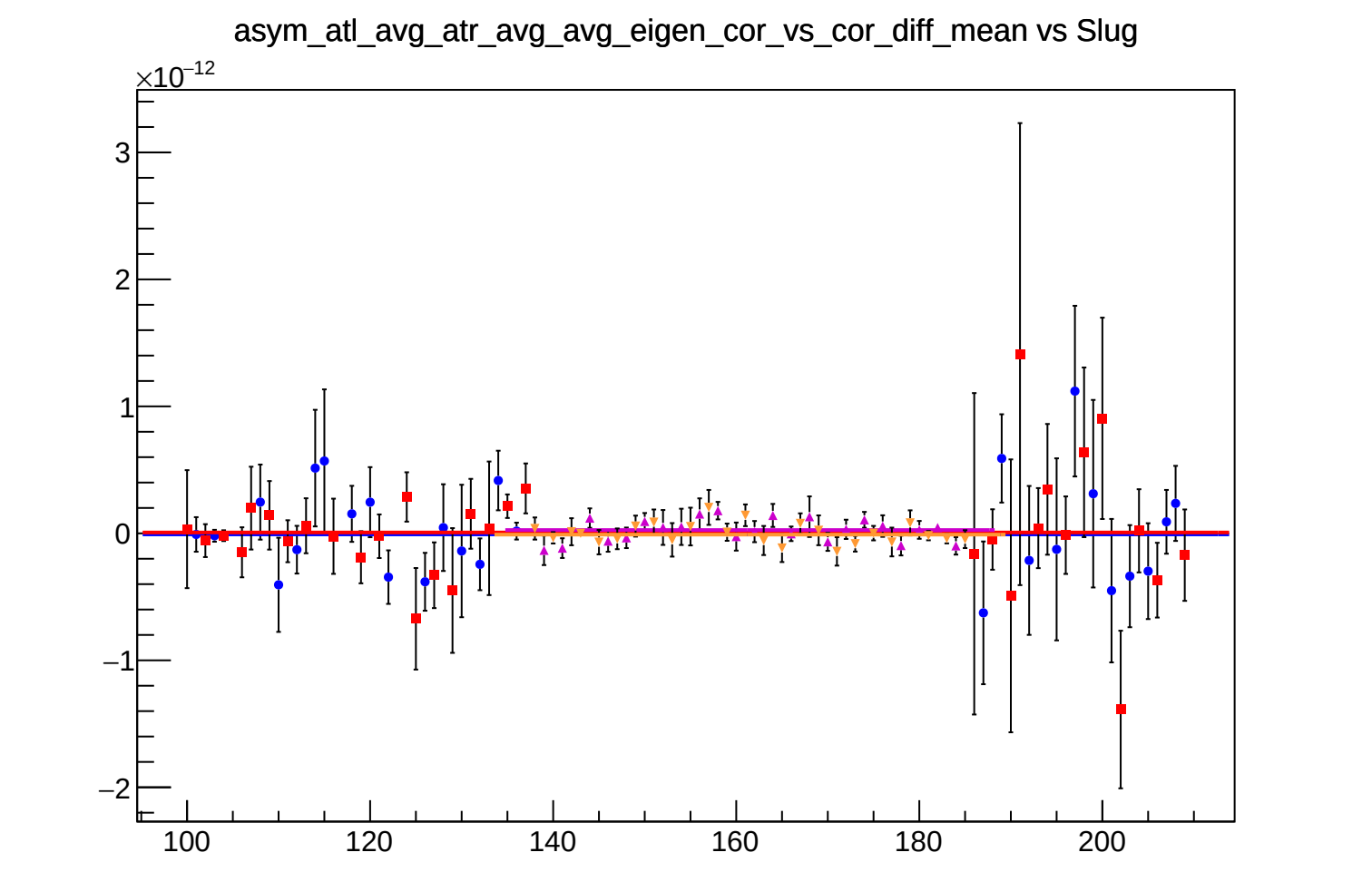
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.007+/-0.040 χ^2/NDF: 60.3/51

All: -0.000+/-0.027 χ^2/NDF: 132.1/106

- sign 0.006+/-0.037 χ^2/NDF: 71.8/54


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 169.334+/-0.033 χ2/NDF: 2603010.9/26
Left Out: 311.961+/-0.054 χ2/NDF:4350376.6/24
Right Out: 153.961+/-0.030 χ2/NDF: 4774177.9/31
Left In: 302.377+/-0.053 χ2/NDF:2808874.8/22
+ sign 207.445+/-0.028 χ2/NDF: 12024649.6/51
All: 197.901+/-0.019 χ2/NDF: 25786065.6/10
- sign 189.695+/-0.026 χ2/NDF: 13545736.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

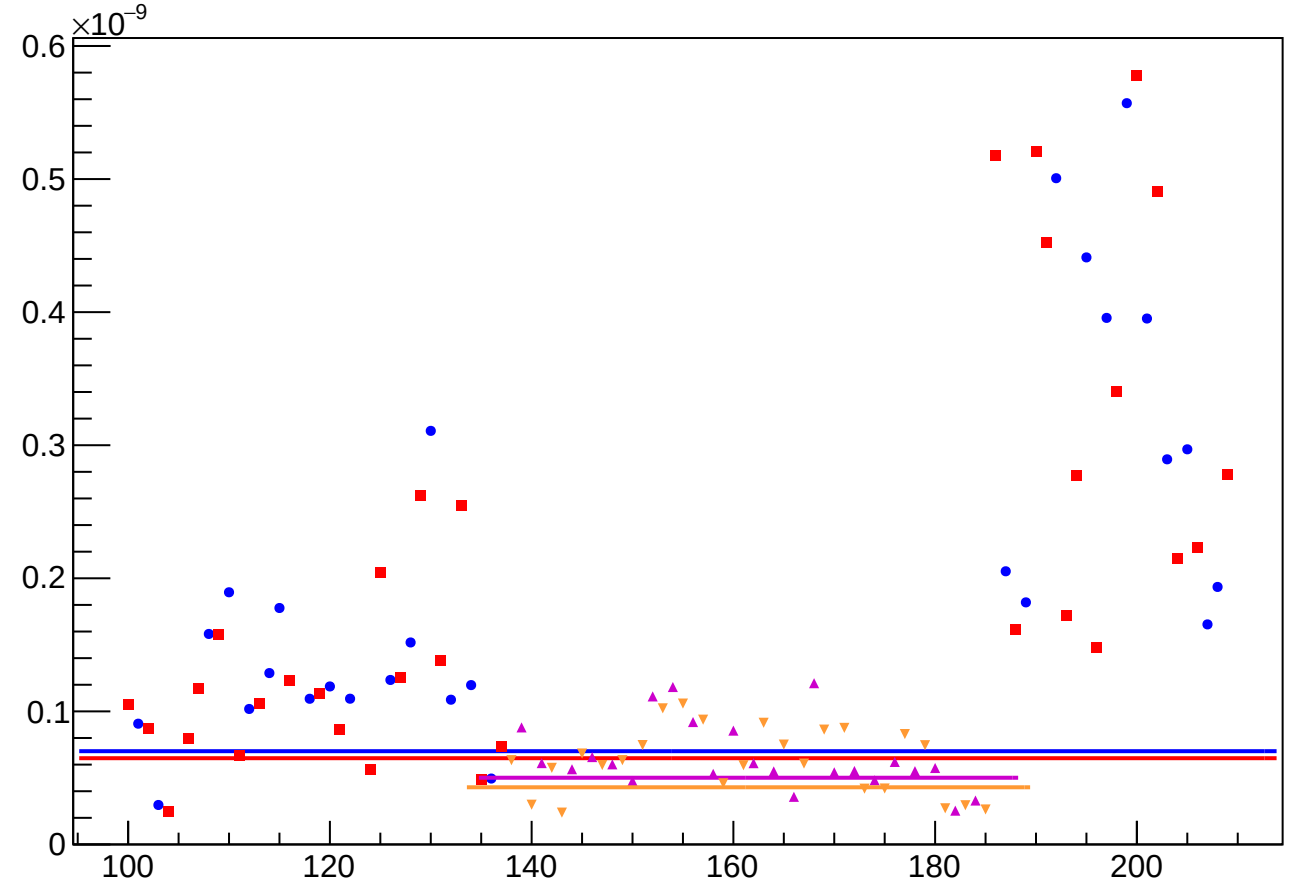
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.4/51

All: 0.000+/-0.000 χ^2/NDF: 102.7/106

- sign 0.000+/-0.000 χ^2/NDF: 57.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 9179901.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9187776.2/31

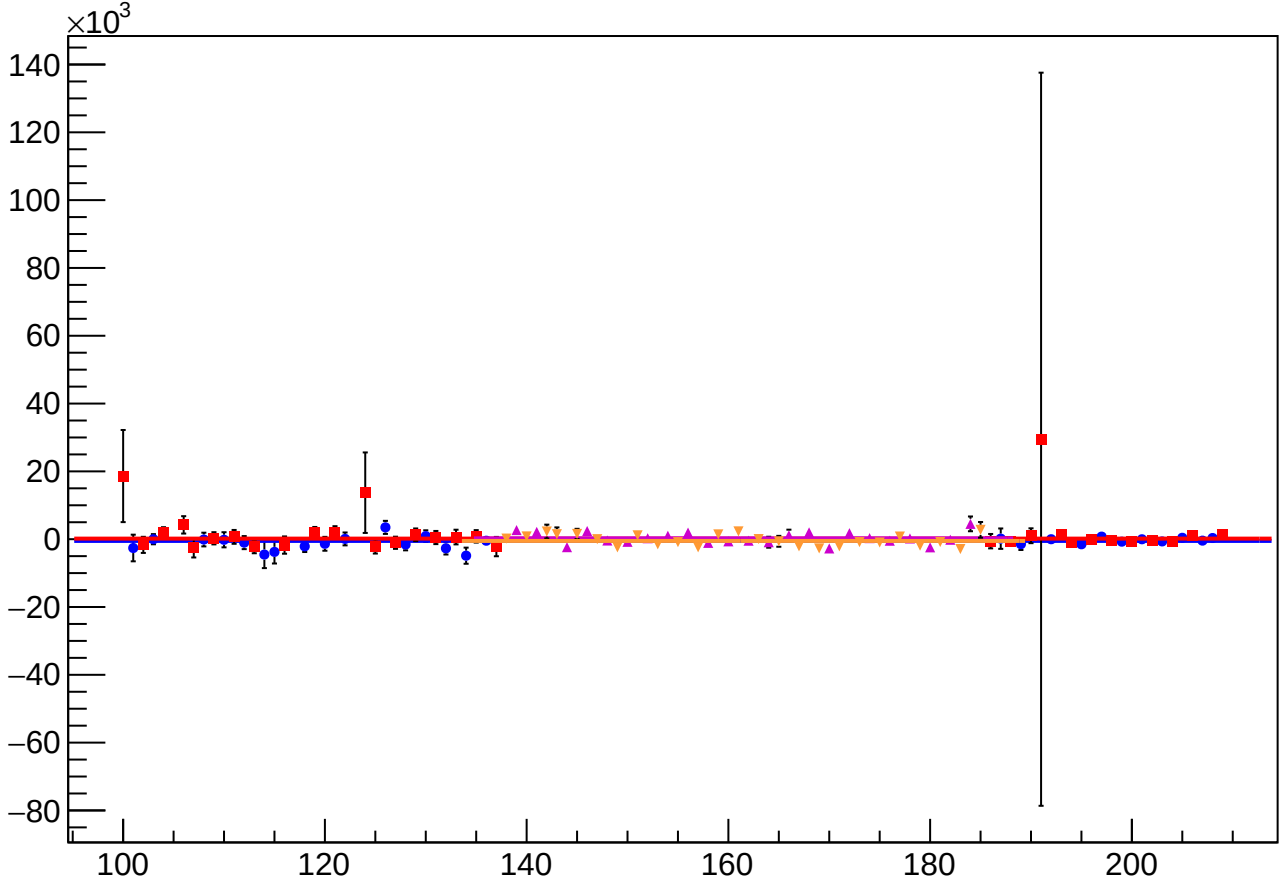
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15487265.1/51

All: 0.000+/-0.000 χ^2/NDF: 28874765.3/106

- sign 0.000+/-0.000 χ^2/NDF: 13173150.0/54

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 167.346+/-314.554 χ^2/NDF: 20.3/31

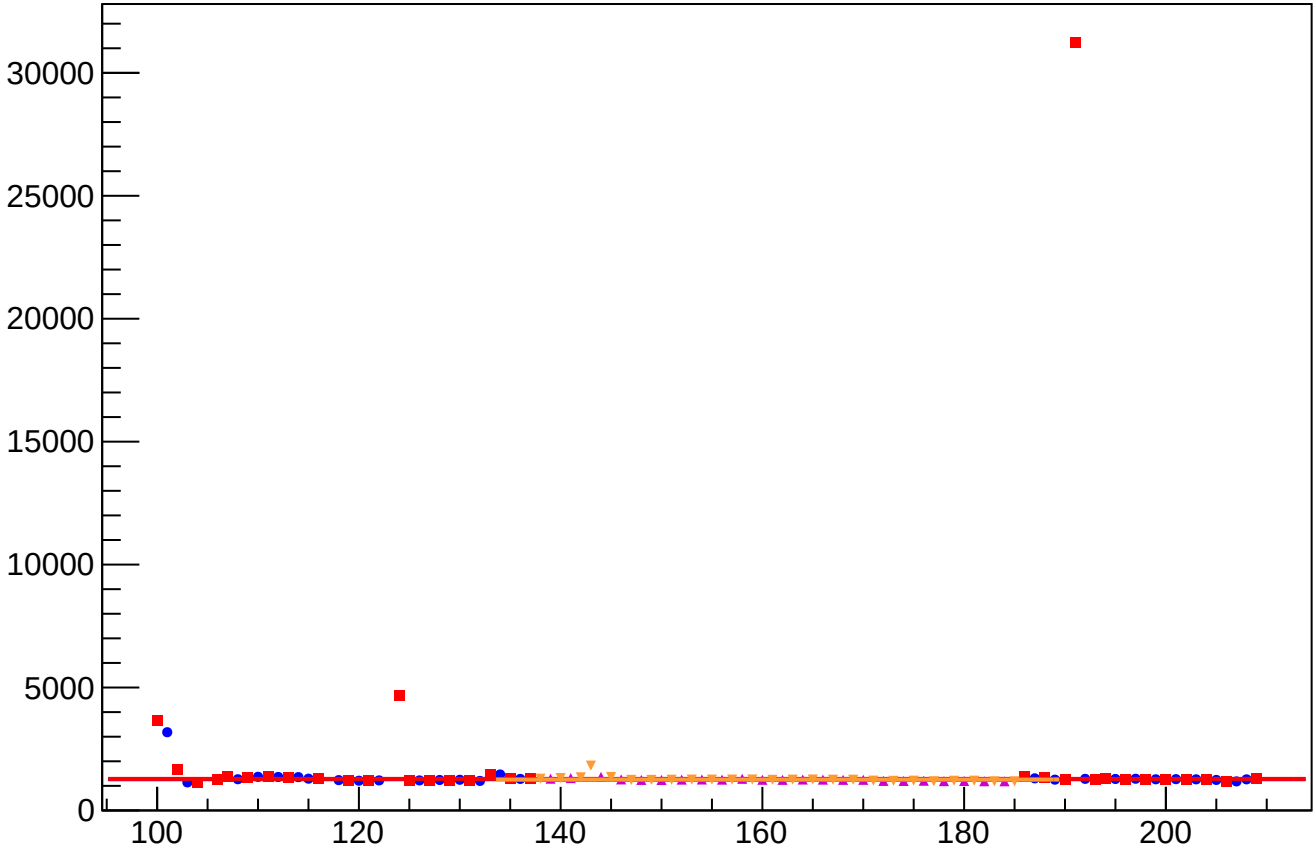
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -511.399+/-213.917 χ^2/NDF: 47.6/51

All: -151.334+/-151.177 χ^2/NDF: 105.6/106

- sign 207.920+/-213.676 χ^2/NDF: 52.4/54

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

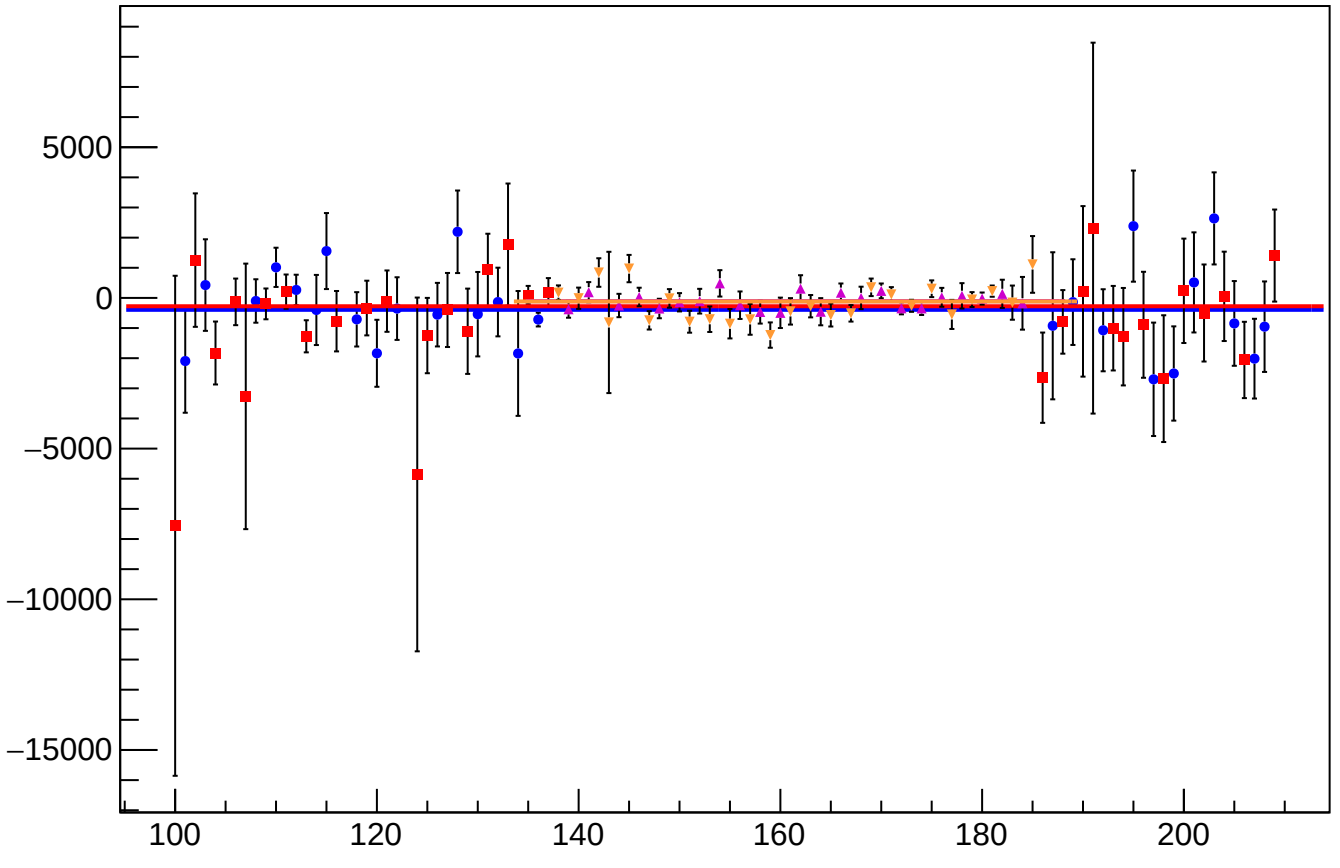
Right Out: 1284.110+/-0.222 χ^2/NDF: 507570.6/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738172.7/51

All: 1263.163+/-0.107 χ^2/NDF: 1301151.3/10

- sign 1263.777+/-0.151 χ^2/NDF: 562945.6/54



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -276.588+/-158.236 χ^2/NDF: 23.3/31

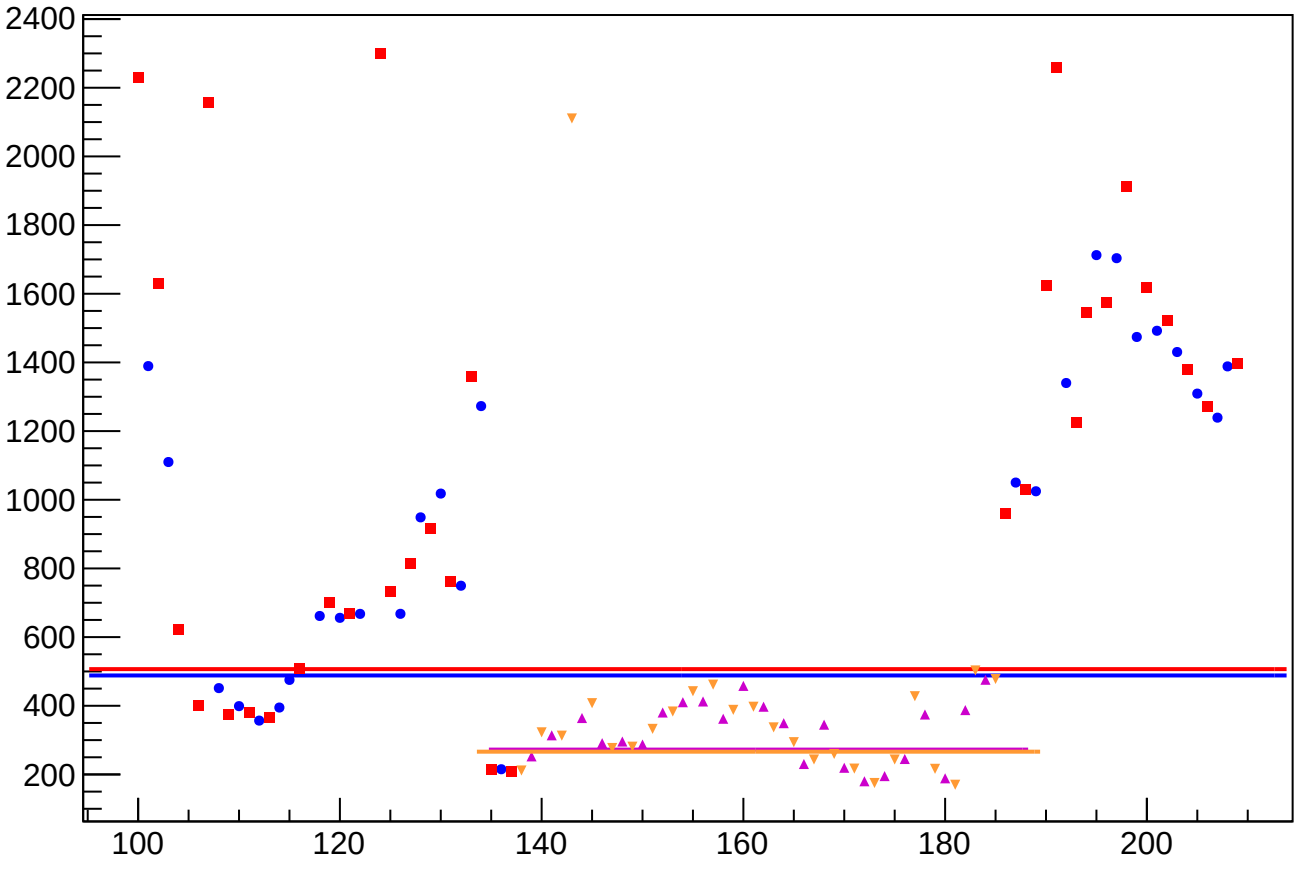
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -157.138+/-60.182 χ^2/NDF: 81.2/51

All: -145.404+/-43.081 χ^2/NDF: 119.2/106

\- sign -133.072+/-61.698 χ^2/NDF: 38.0/54

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 506.759+/-0.112 χ^2/NDF: 12967243.6/31

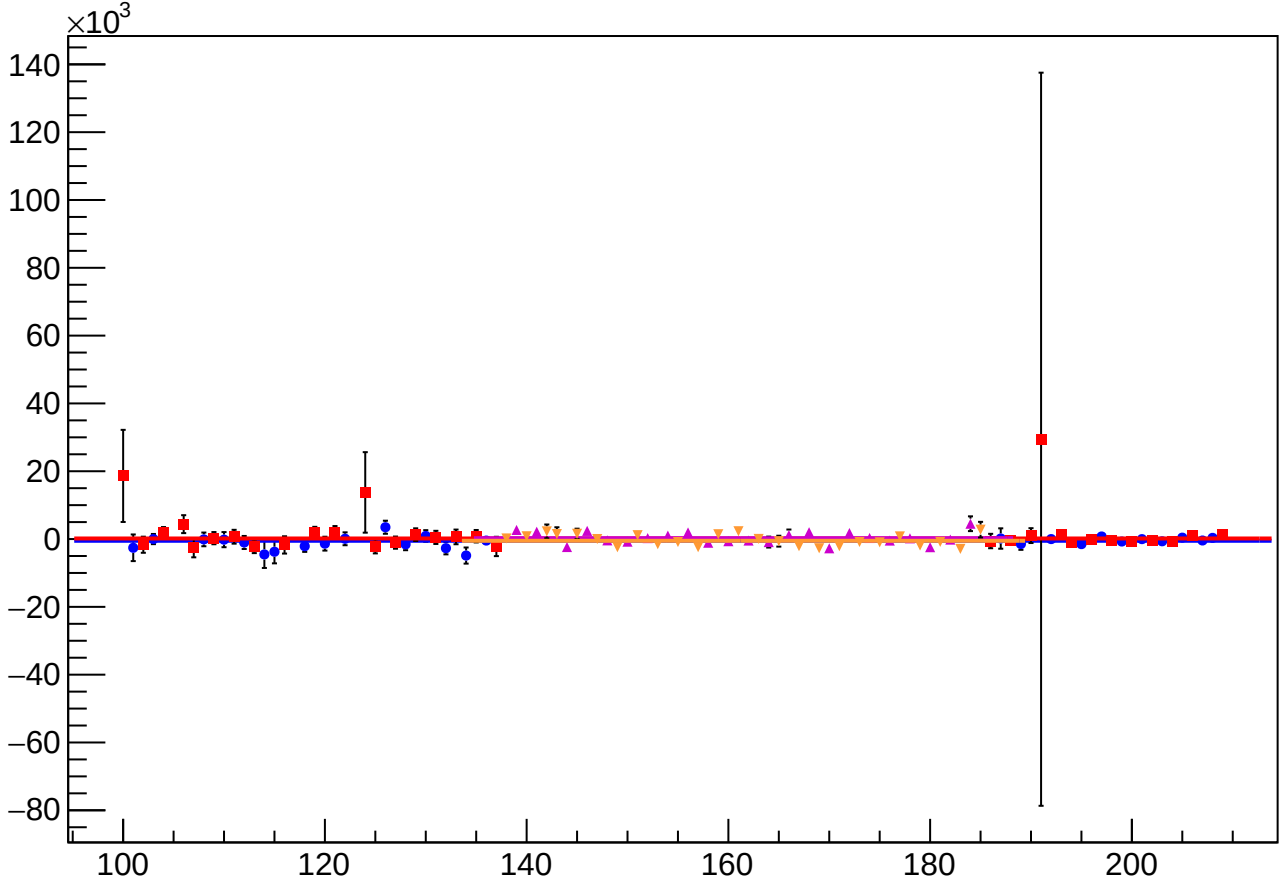
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 298.354+/-0.043 χ^2/NDF: 20278535.2/51

All: 303.058+/-0.030 χ^2/NDF: 39879844.1/10

- sign 308.002+/-0.044 χ^2/NDF: 19576244.4/54

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 166.084+/-314.696 χ^2/NDF: 20.4/31

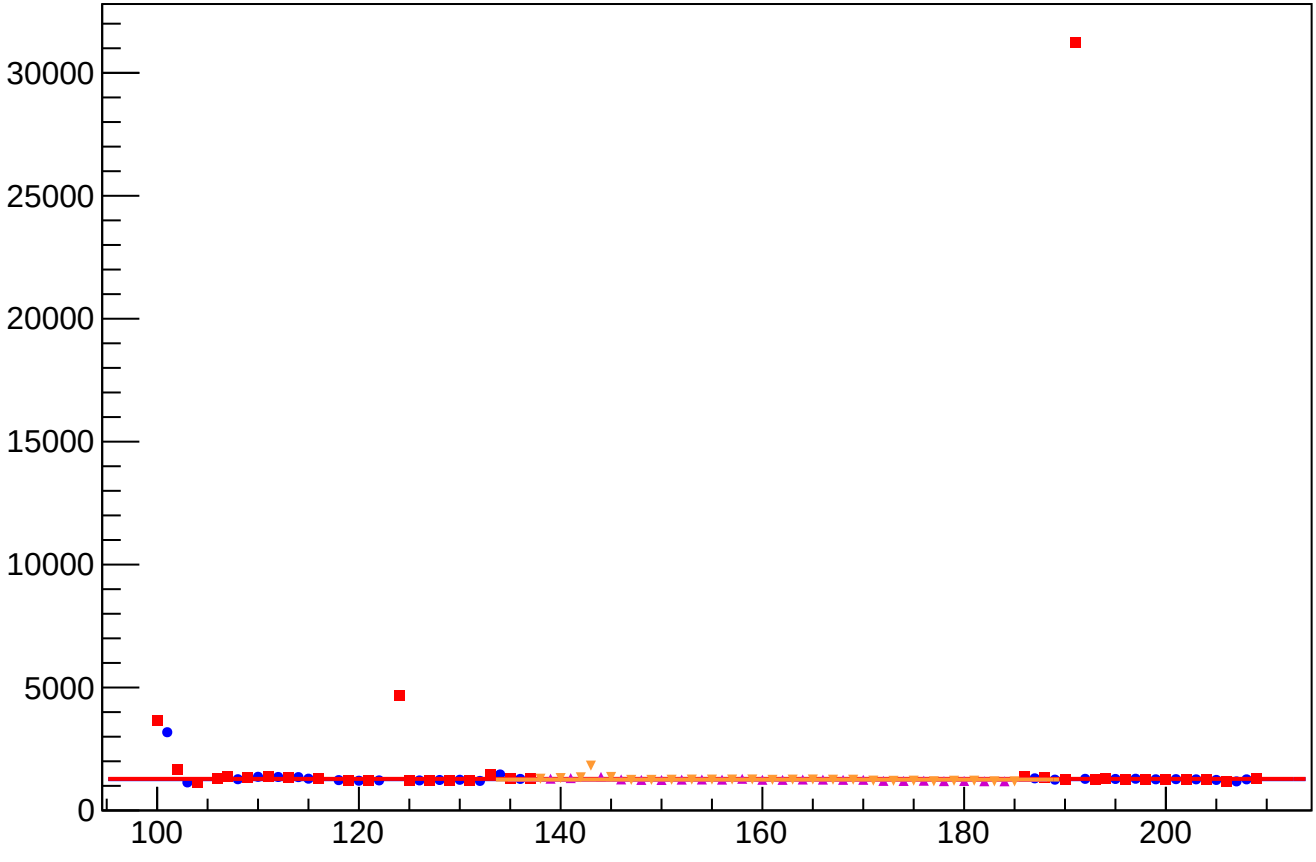
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -151.652+/-151.193 χ^2/NDF: 105.7/106

- sign 207.343+/-213.721 χ^2/NDF: 52.5/54

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

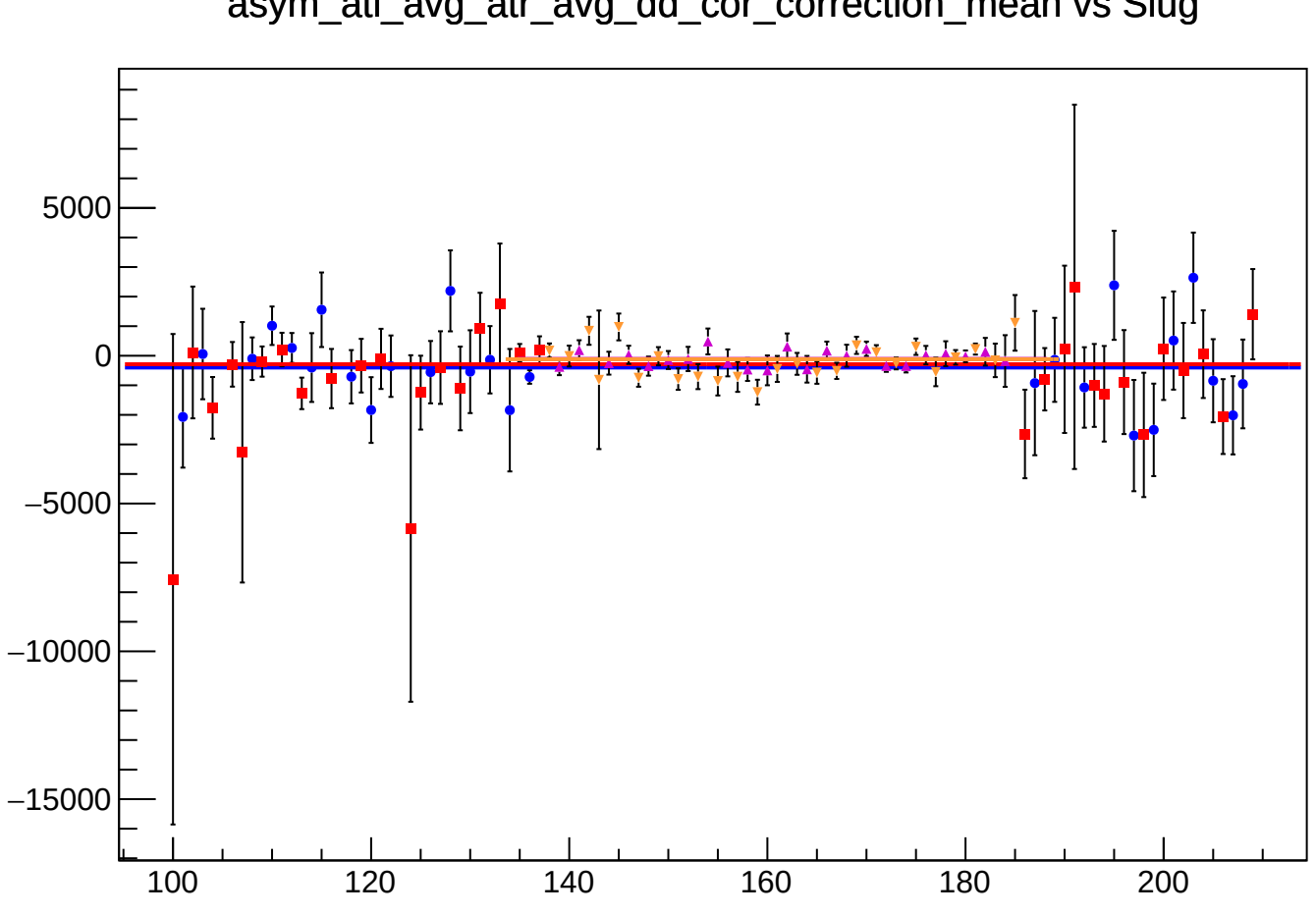
Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

- sign 1264.044+/-0.151 χ^2/NDF: 563402.6/54



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -287.908+/-158.075 χ^2/NDF: 22.6/31

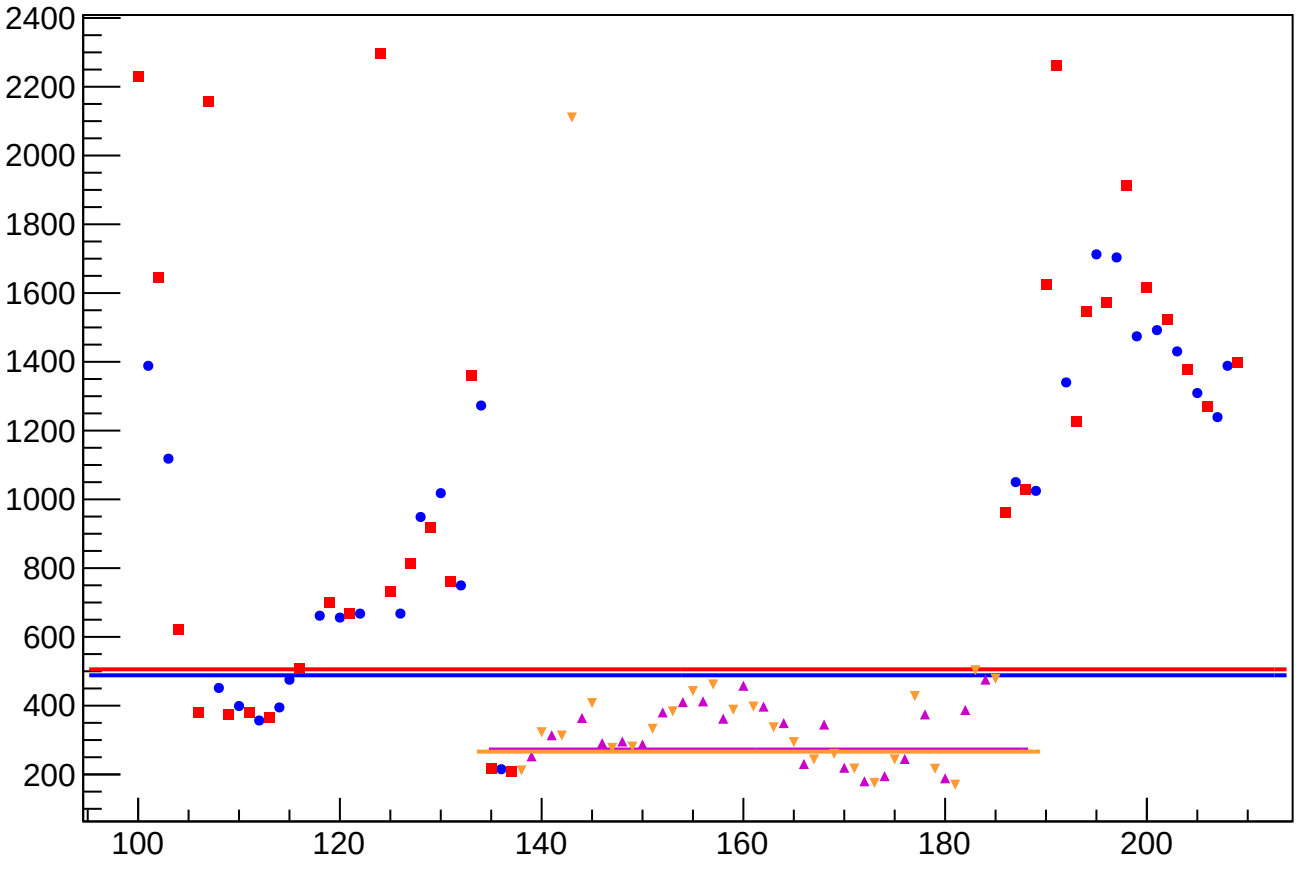
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -146.592+/-43.079 χ^2/NDF: 118.5/106

- sign -134.941+/-61.690 χ^2/NDF: 37.5/54

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

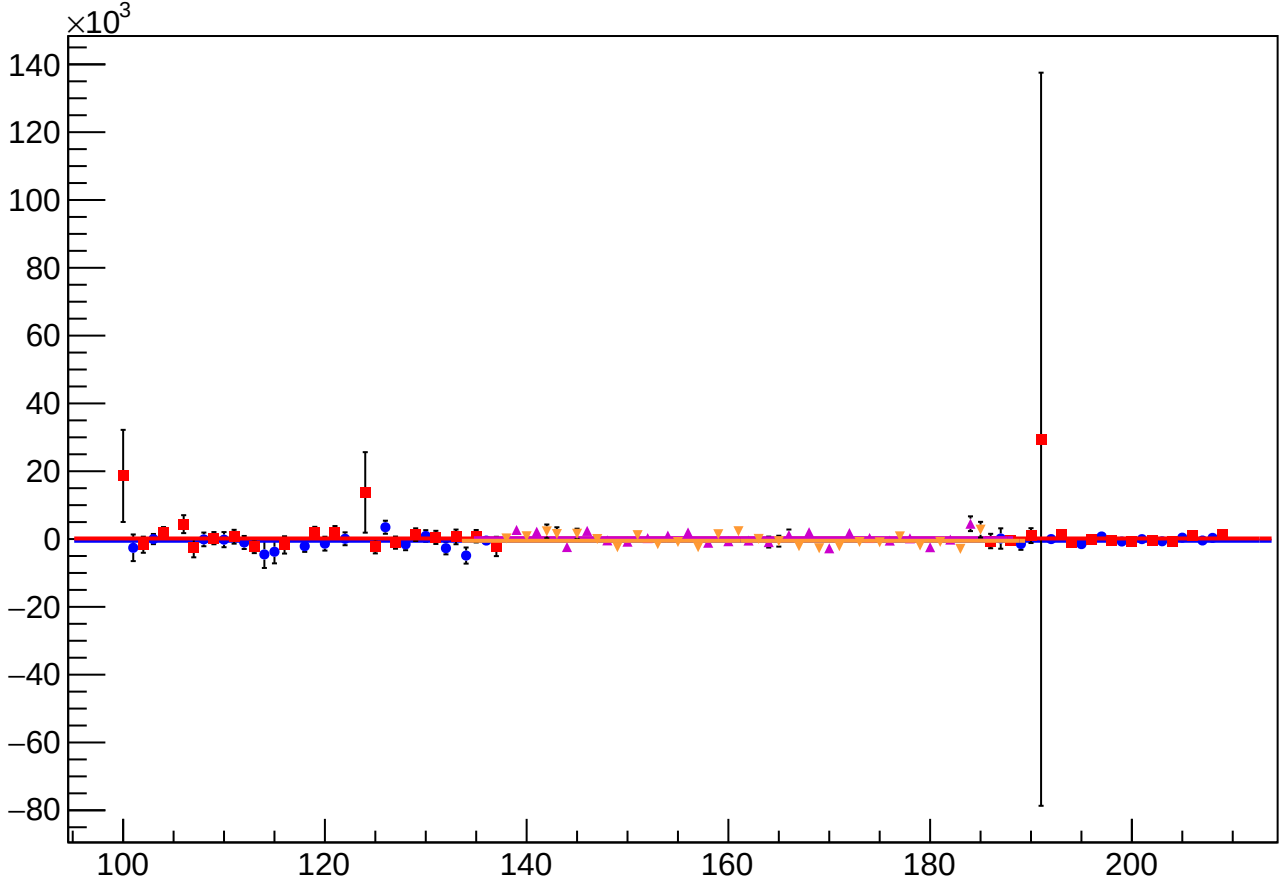
Right Out: 505.689+/-0.112 χ^2/NDF: 12991499.4/31

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 298.356+/-0.043 χ^2/NDF: 20281333.5/51

All: 303.016+/-0.030 χ^2/NDF: 39878339.9/10

- sign 307.911+/-0.044 χ^2/NDF: 19572424.8/54



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 166.084+/-314.696 χ^2/NDF: 20.4/31

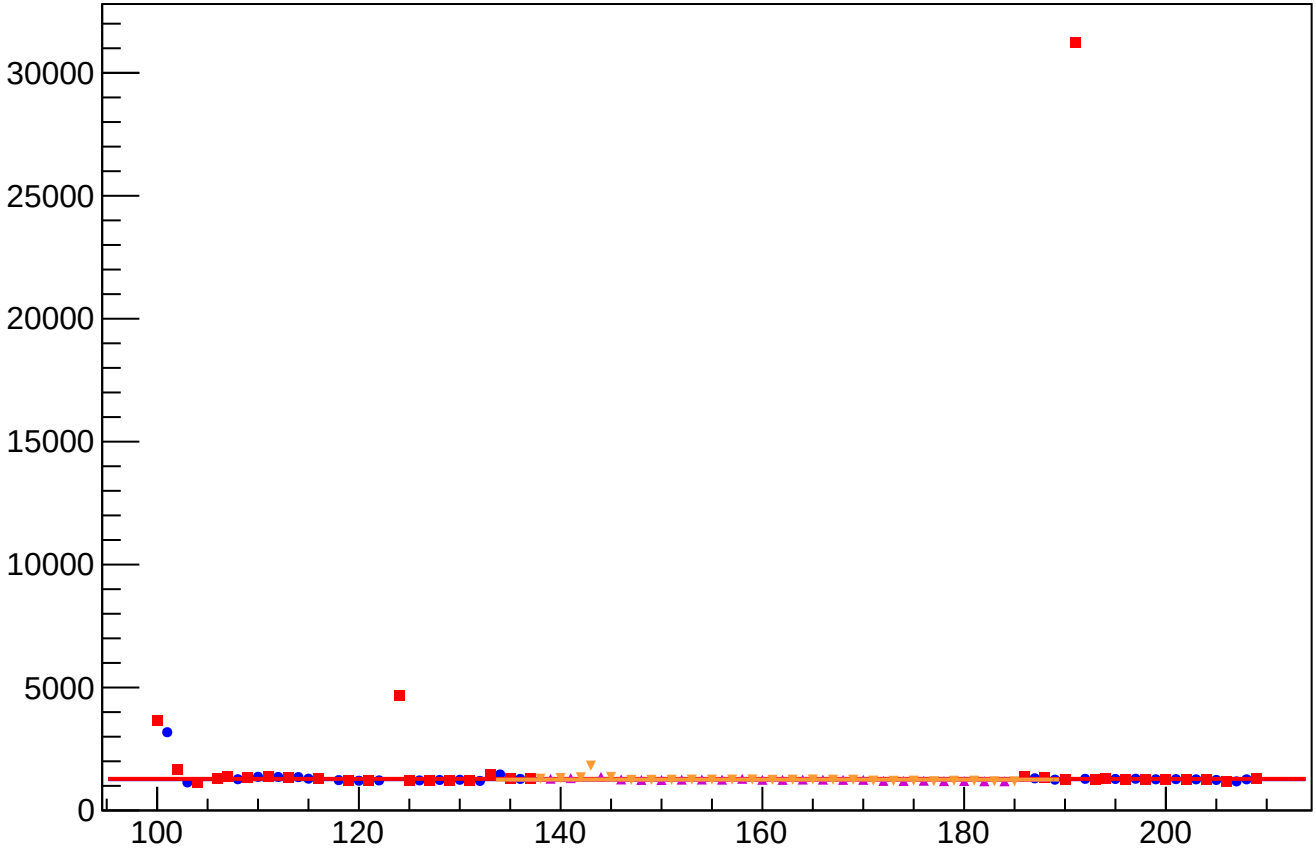
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -151.652+/-151.193 χ^2/NDF: 105.7/106

- sign 207.343+/-213.721 χ^2/NDF: 52.5/54

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

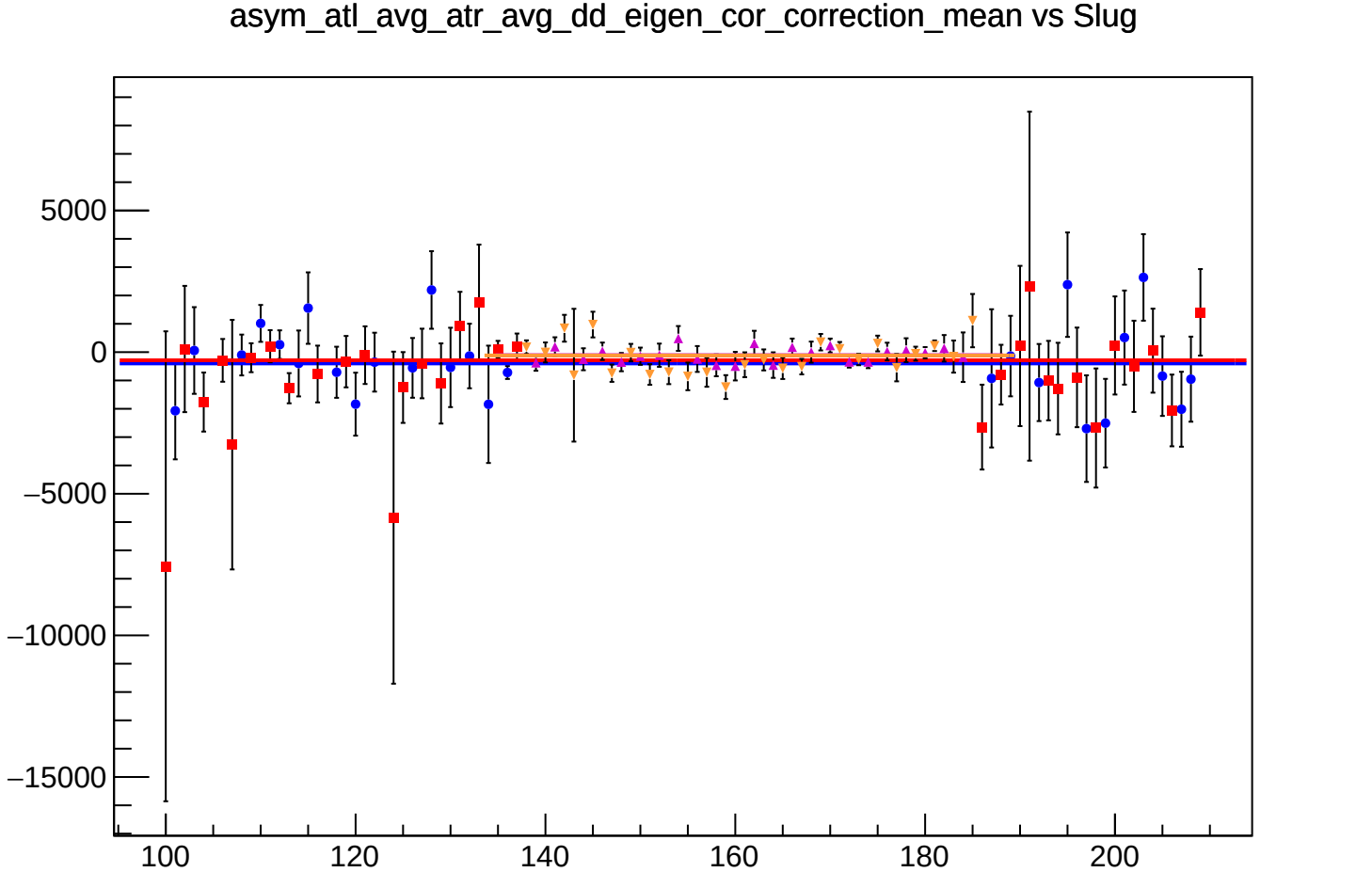
Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

- sign 1264.044+/-0.151 χ^2/NDF: 563402.6/54



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

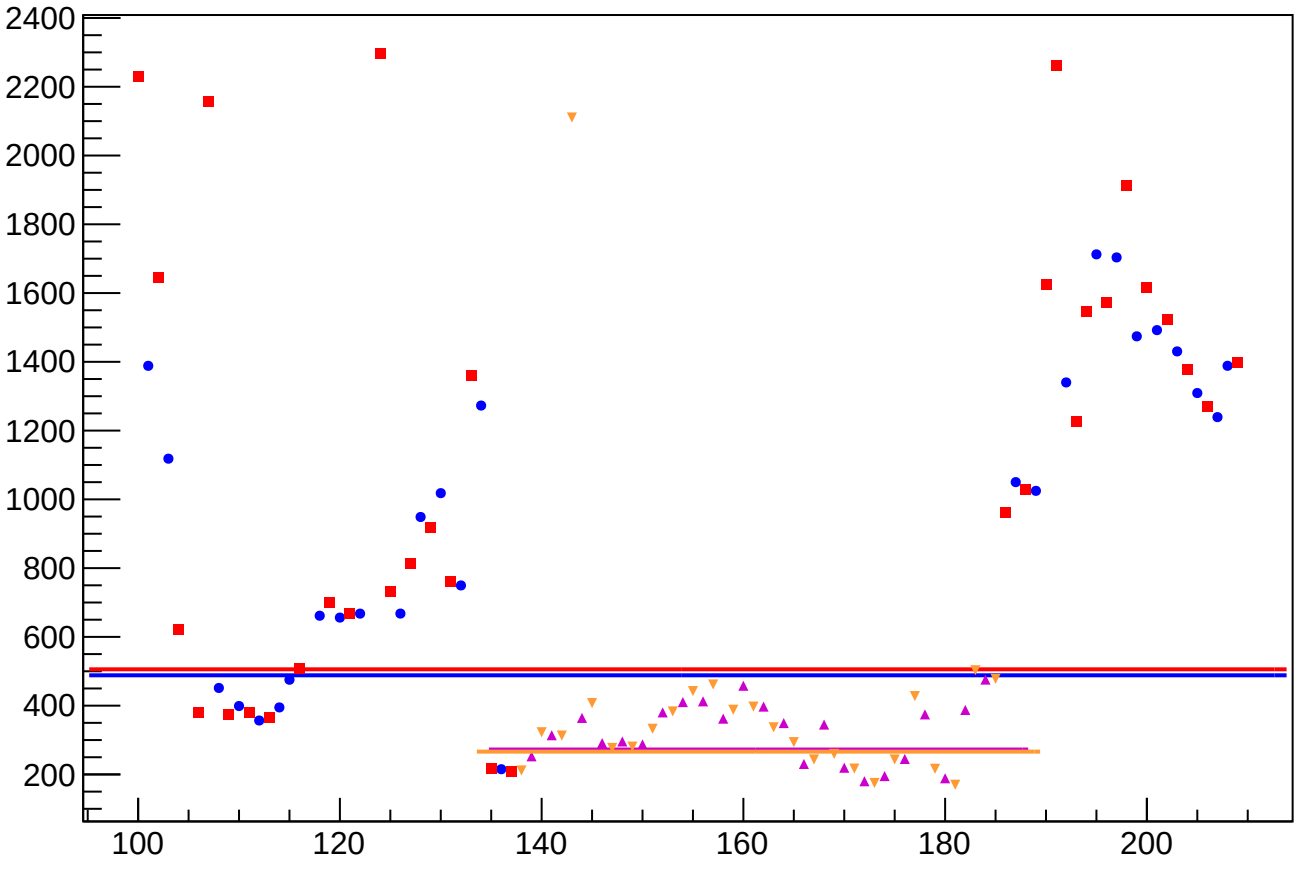
Right Out: -287.908+/-158.075 χ^2/NDF: 22.6/31

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

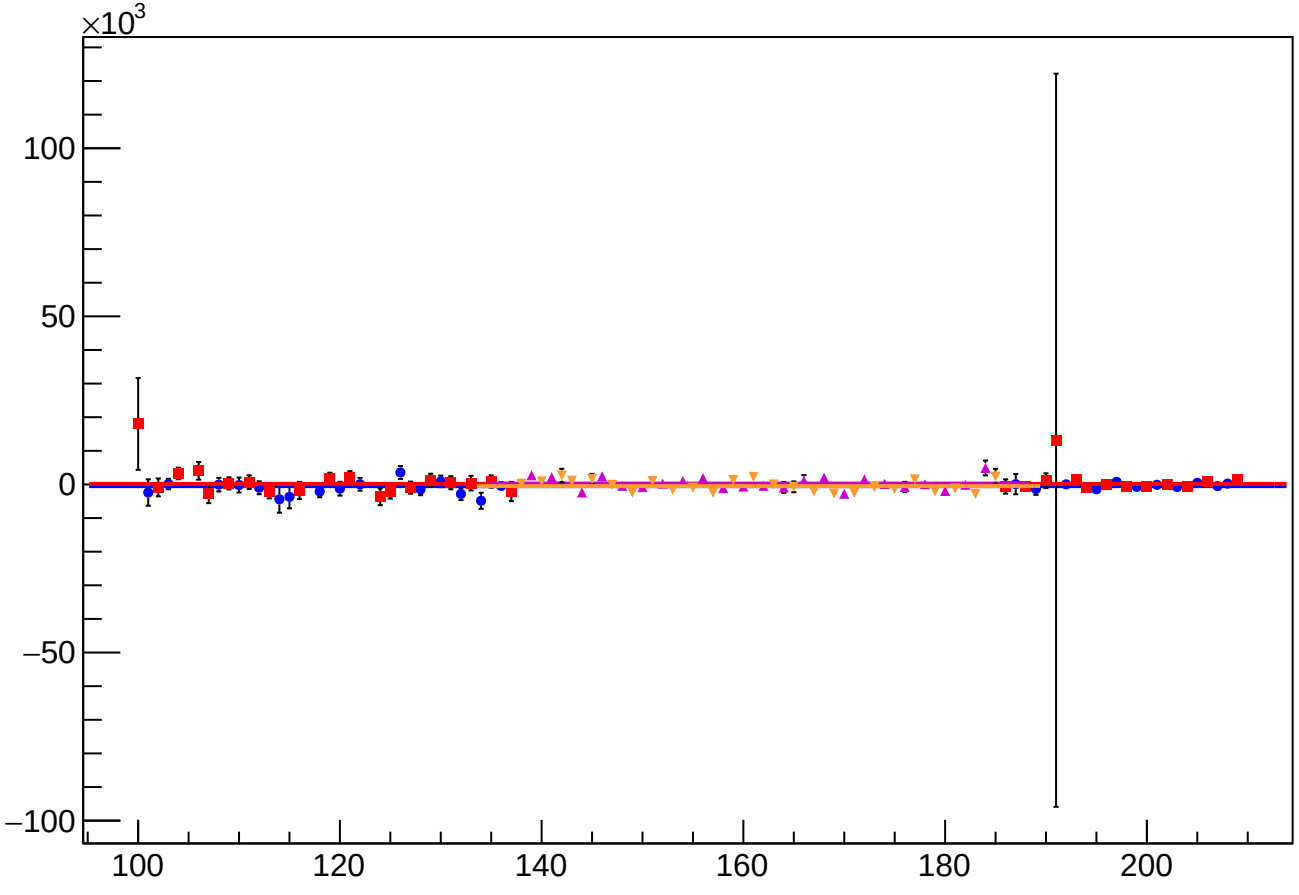
\+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -146.592+/-43.079 χ^2/NDF: 118.5/106

\- sign -134.941+/-61.690 χ^2/NDF: 37.5/54


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 488.306+/-0.112 χ²/NDF: 12291734.8/26
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 505.689+/-0.112 χ²/NDF: 12991499.4/31
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 298.356+/-0.043 χ²/NDF: 20281333.5/51
All: 303.016+/-0.030 χ²/NDF: 39878339.9/10
- sign 307.911+/-0.044 χ²/NDF: 19572424.8/54

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 156.311+/-314.043 χ^2/NDF: 22.2/31

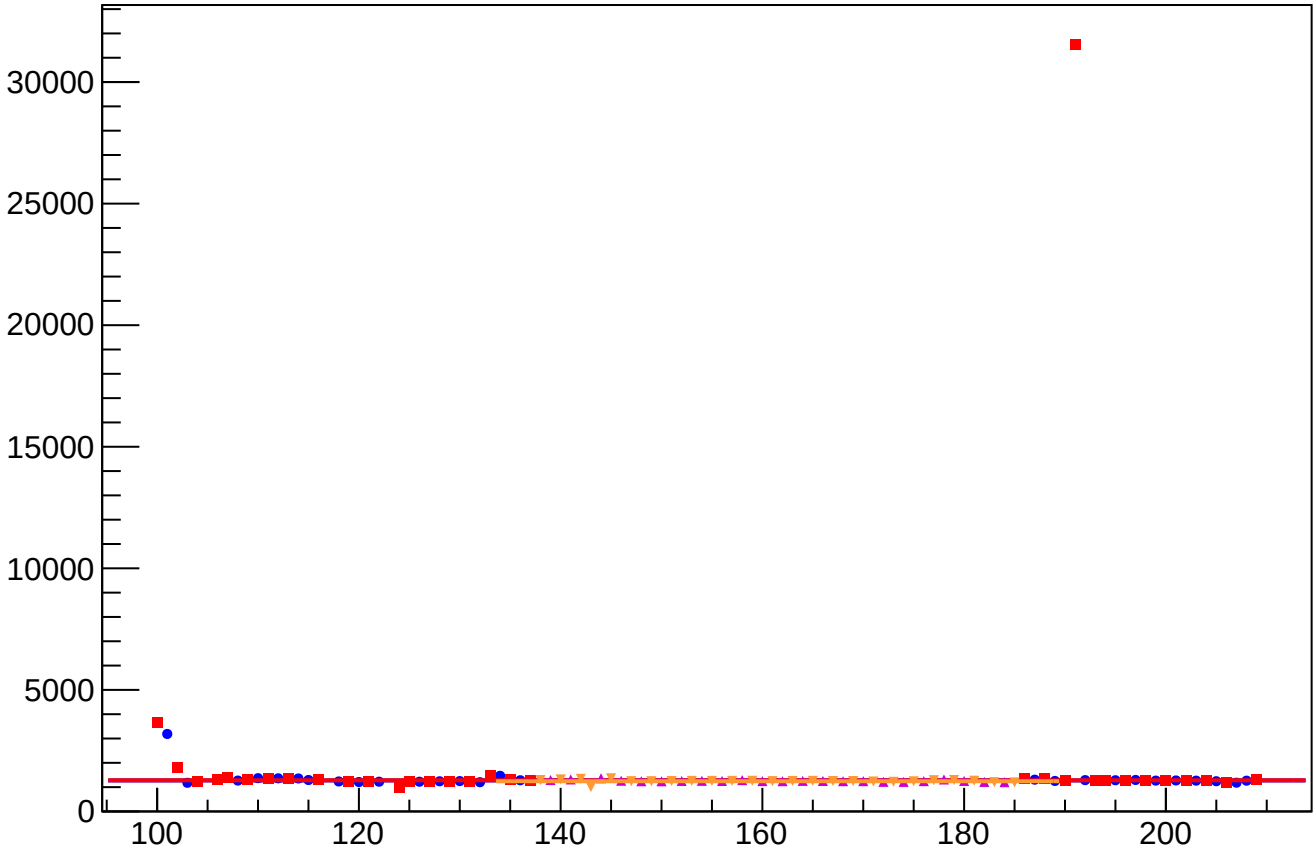
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -150.545+/-151.175 χ^2/NDF: 109.1/106

- sign 201.930+/-214.758 χ^2/NDF: 52.9/54

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

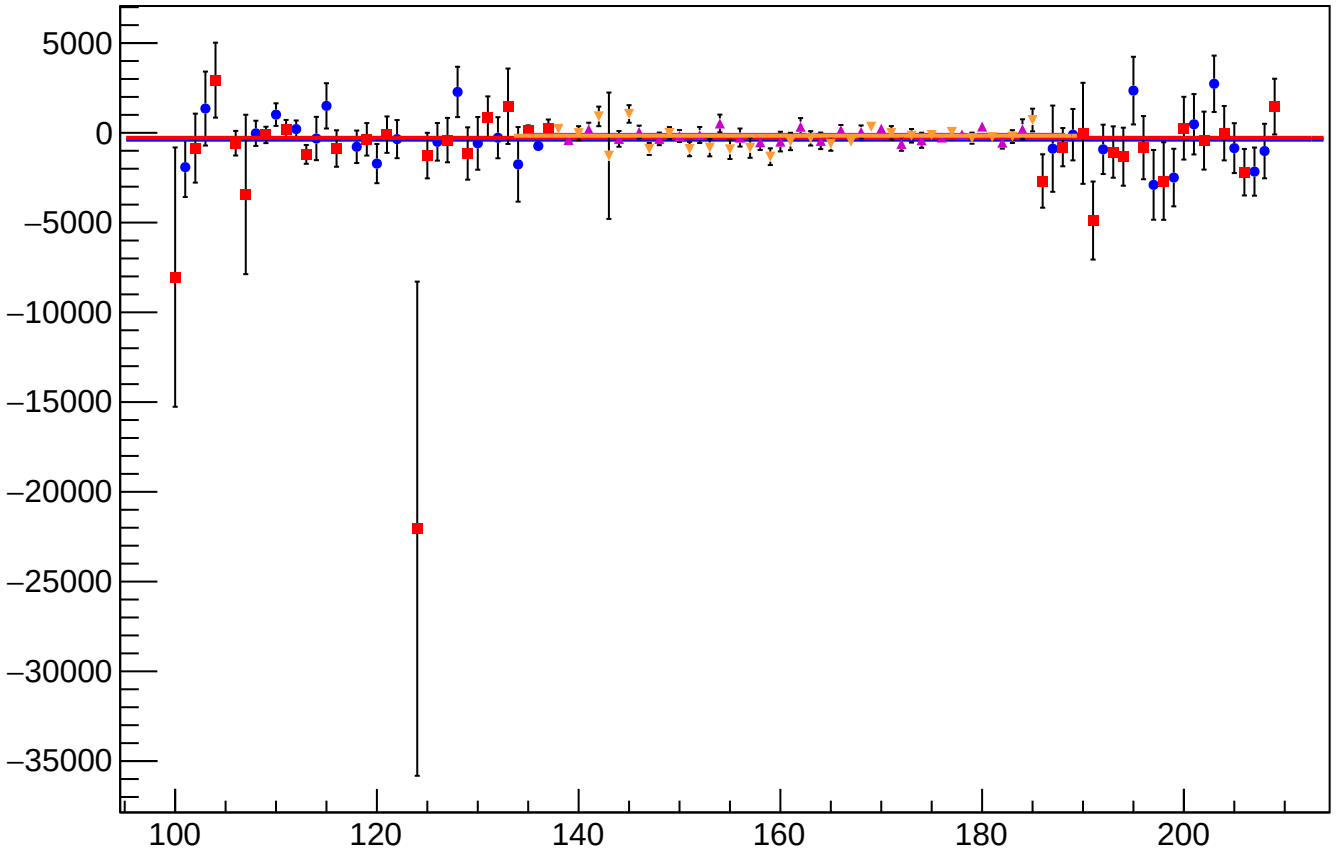
Right Out: 1282.113+/-0.222 χ^2/NDF: 387998.7/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666815.8/51

All: 1263.533+/-0.107 χ^2/NDF: 1092023.1/10

- sign 1270.391+/-0.152 χ^2/NDF: 421165.0/54



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

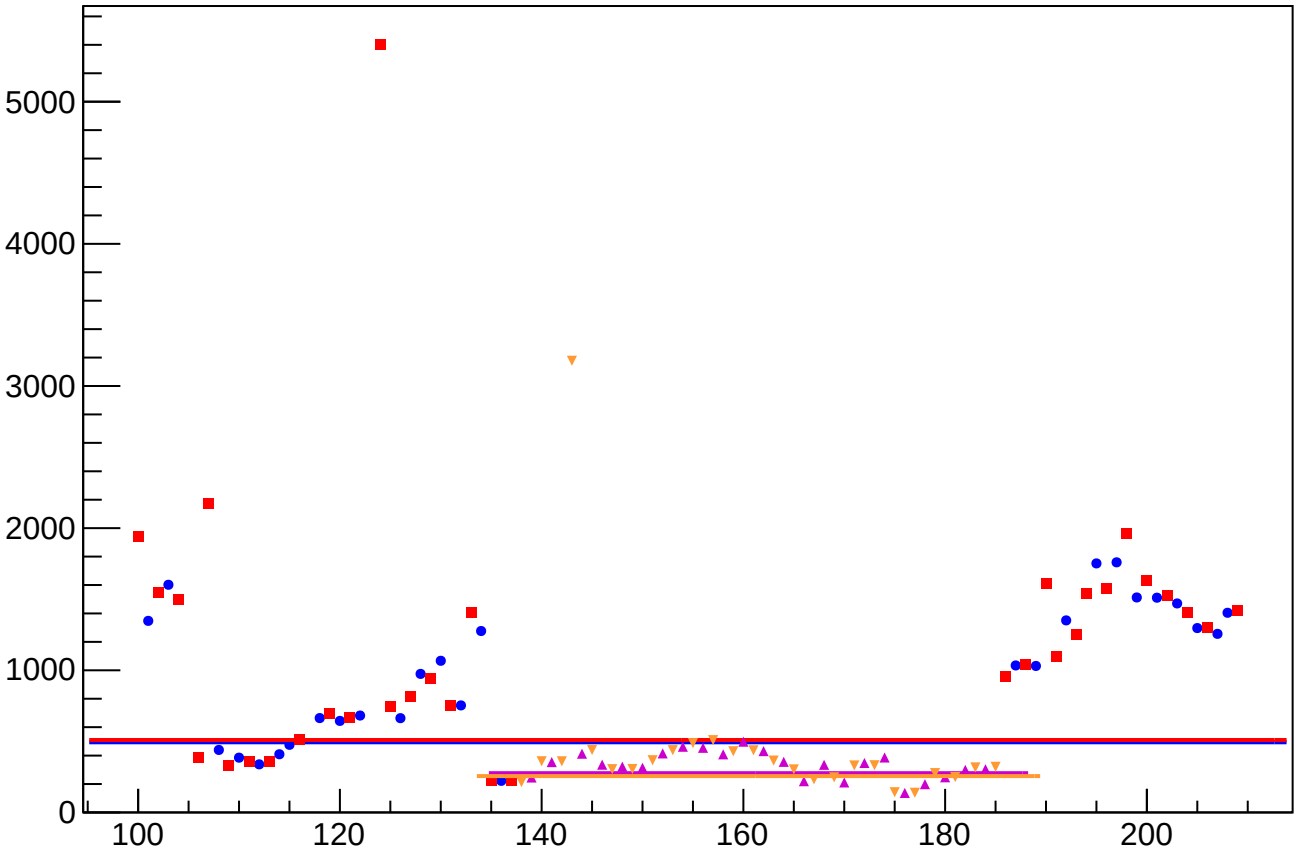
Right Out: -277.839+/-158.165 χ^2/NDF: 29.3/31

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -191.378+/-59.535 χ^2/NDF: 75.8/51

All: -167.124+/-43.310 χ^2/NDF: 124.6/106

\- sign -139.860+/-63.121 χ^2/NDF: 48.4/54



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

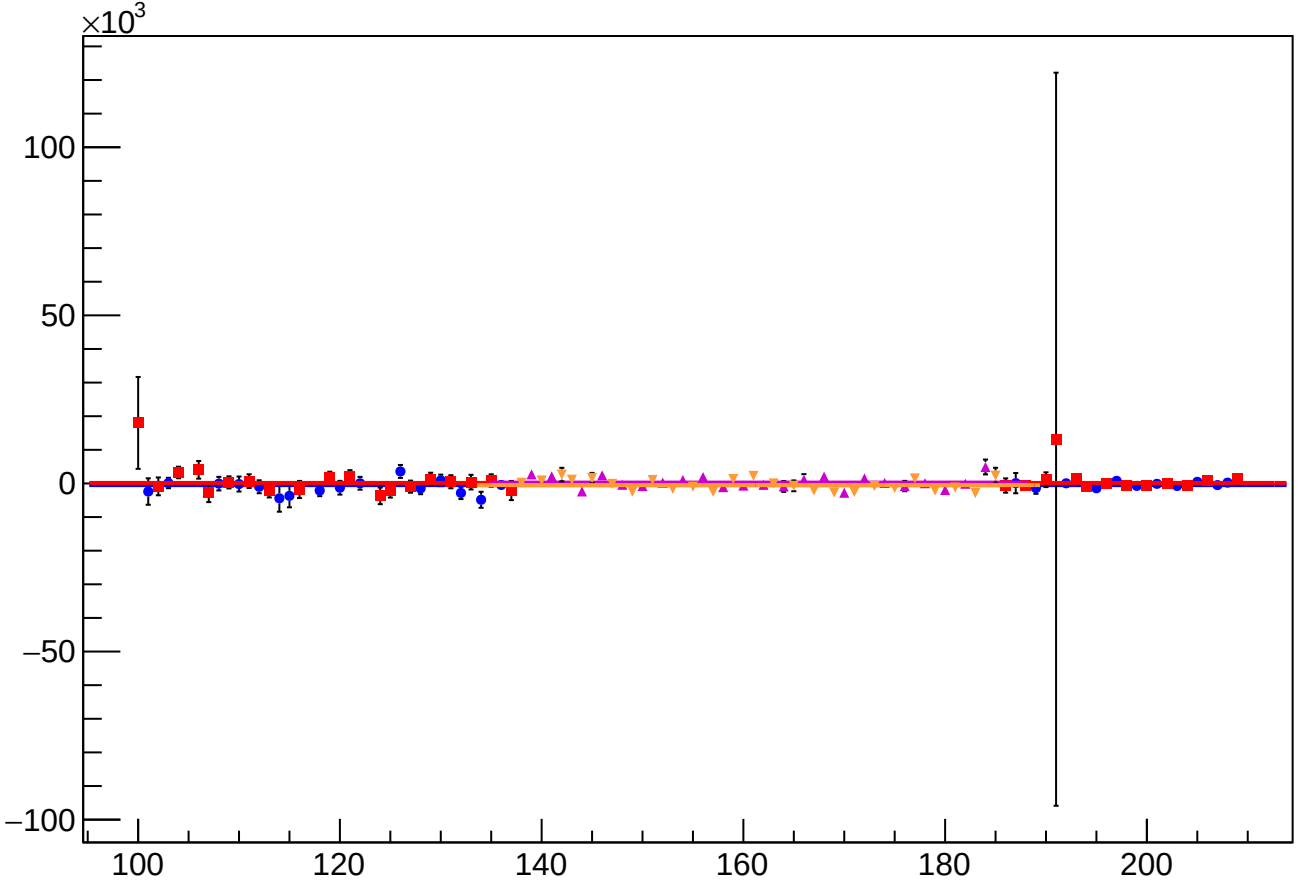
Right Out: 509.707+/-0.112 χ^2/NDF: 13527074.8/31

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 288.652+/-0.042 χ^2/NDF: 22617477.3/51

All: 300.337+/-0.031 χ^2/NDF: 43997465.9/10

- sign 313.473+/-0.045 χ^2/NDF: 21216325.1/54



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 156.311+/-314.043 χ^2/NDF: 22.2/31

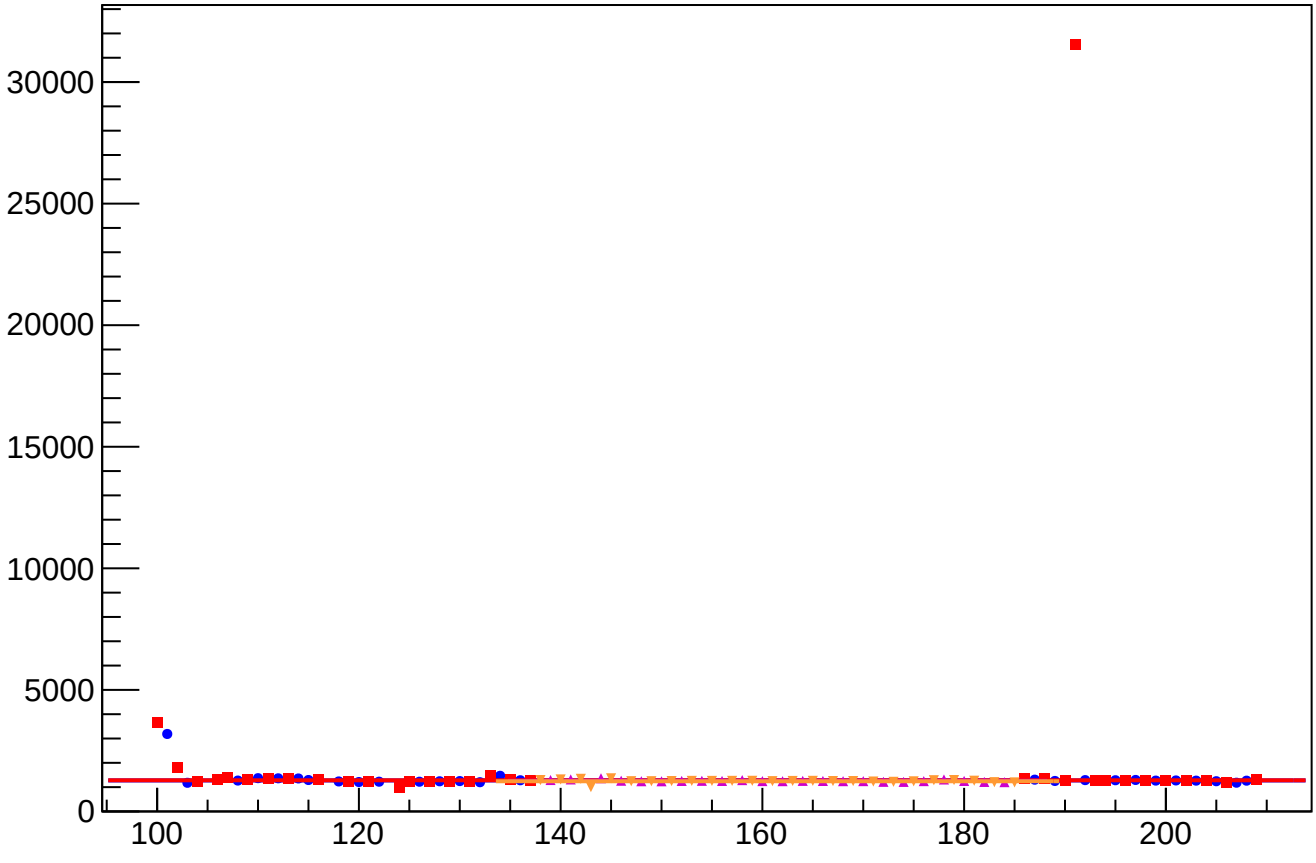
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -150.545+/-151.175 χ^2/NDF: 109.1/106

- sign 201.930+/-214.758 χ^2/NDF: 52.9/54

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

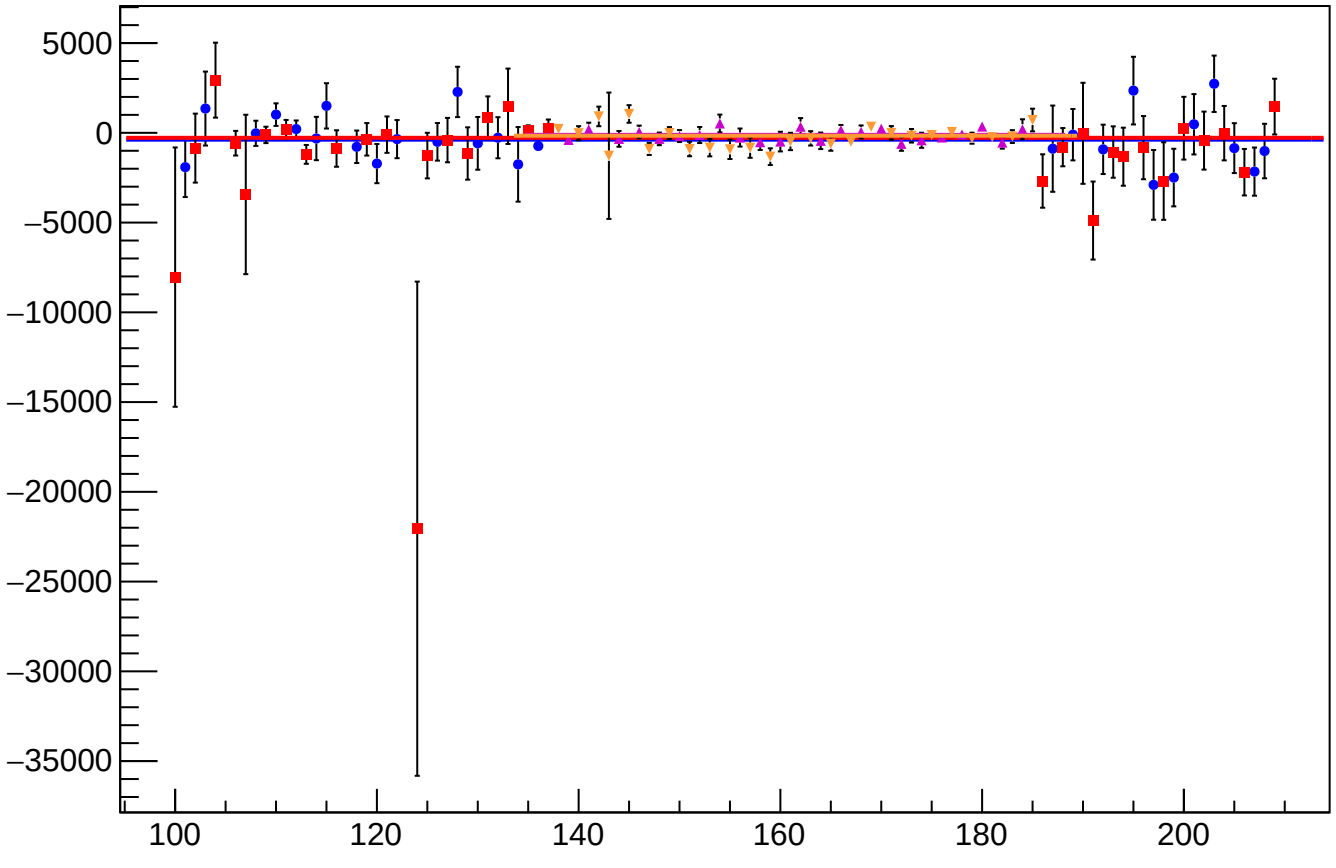
Right Out: 1282.113+/-0.222 χ^2/NDF: 387999.0/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666814.9/51

All: 1263.533+/-0.107 χ^2/NDF: 1092022.6/10

- sign 1270.391+/-0.152 χ^2/NDF: 421165.4/54



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

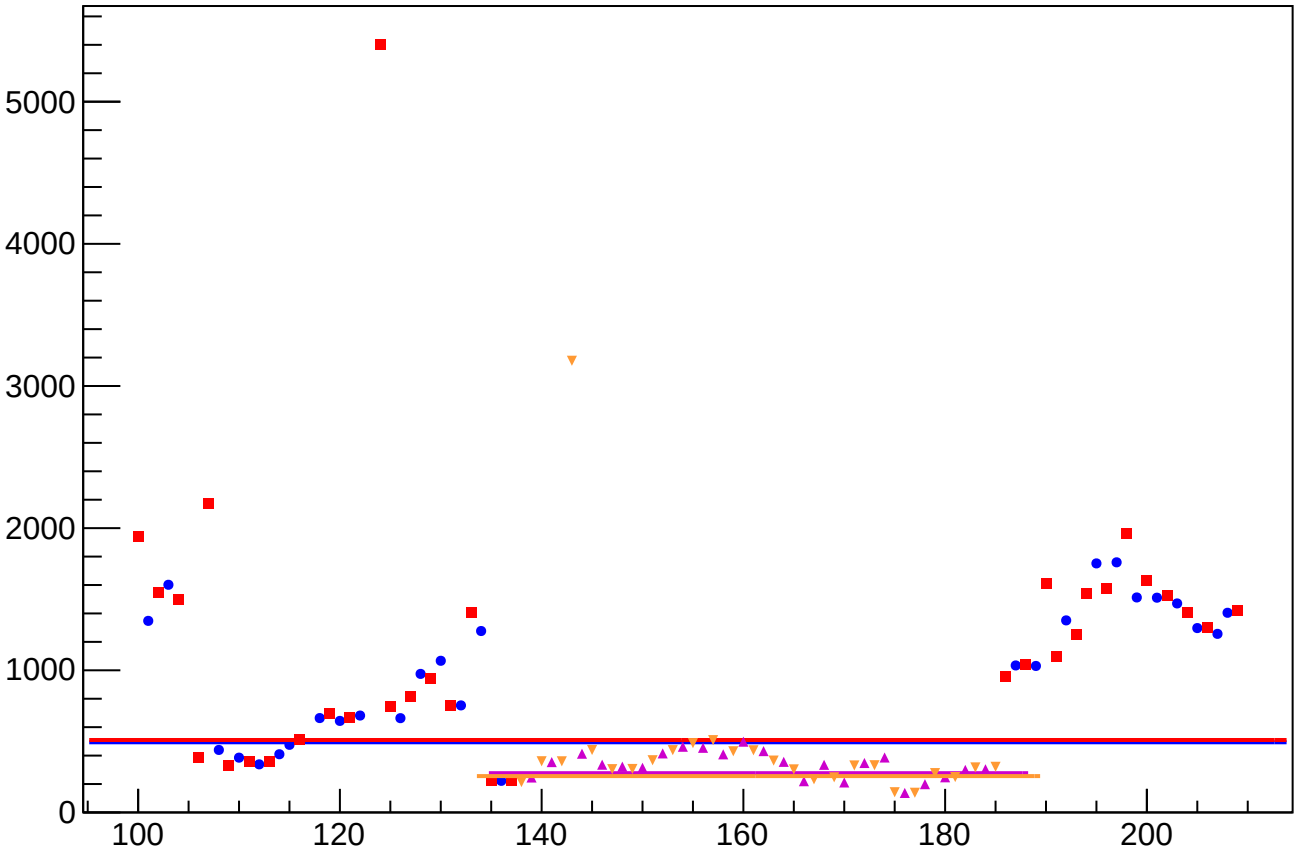
Right Out: -277.848+/-158.167 χ^2/NDF: 29.3/31

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -191.381+/-59.535 χ^2/NDF: 75.8/51

All: -167.125+/-43.310 χ^2/NDF: 124.6/106

\- sign -139.860+/-63.121 χ^2/NDF: 48.4/54



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 509.716+/-0.112 χ^2/NDF: 13526778.5/31

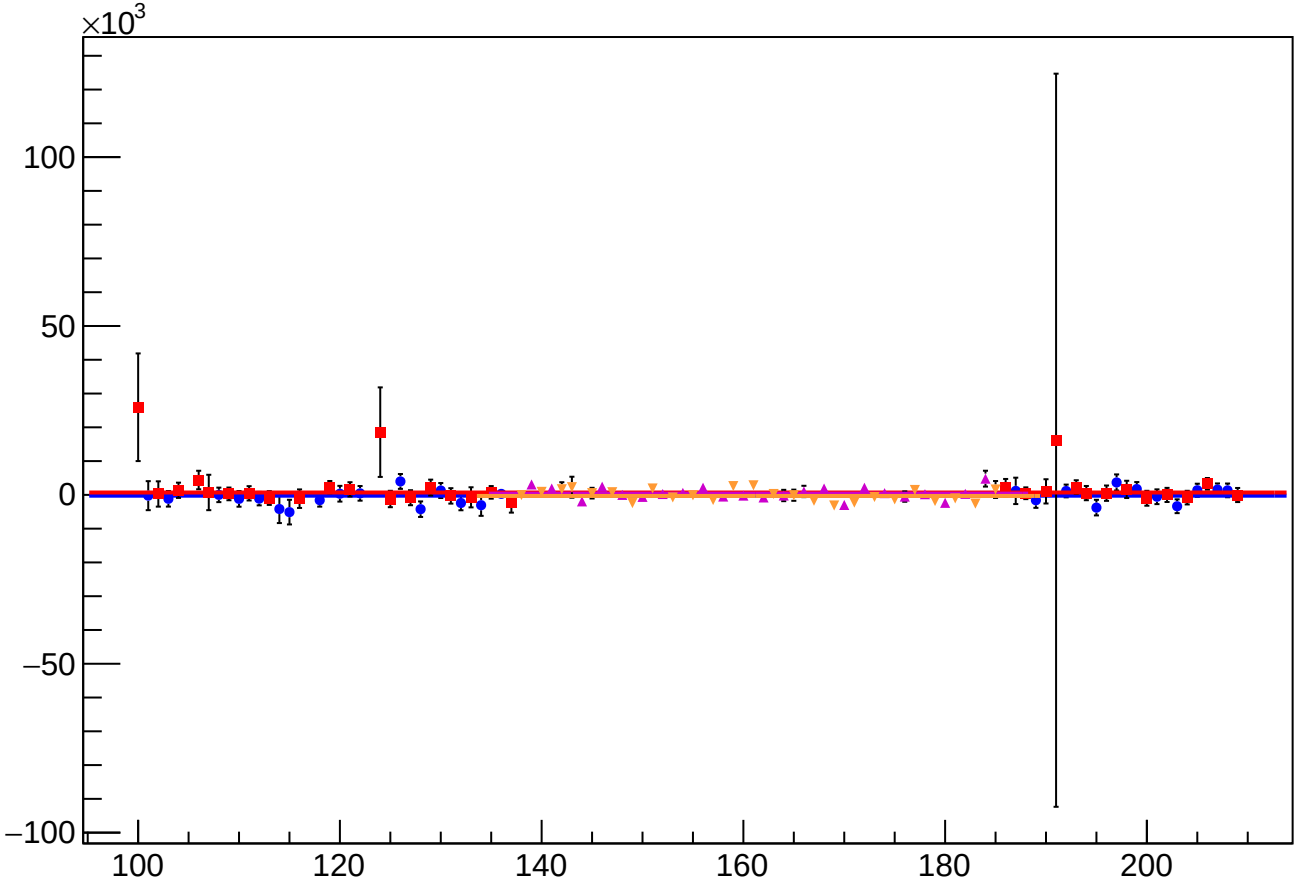
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 288.654+/-0.042 χ^2/NDF: 22617258.1/51

All: 300.339+/-0.031 χ^2/NDF: 43997114.1/10

- sign 313.474+/-0.045 χ^2/NDF: 21216205.4/54

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 700.413+/-417.982 χ^2/NDF: 16.1/31

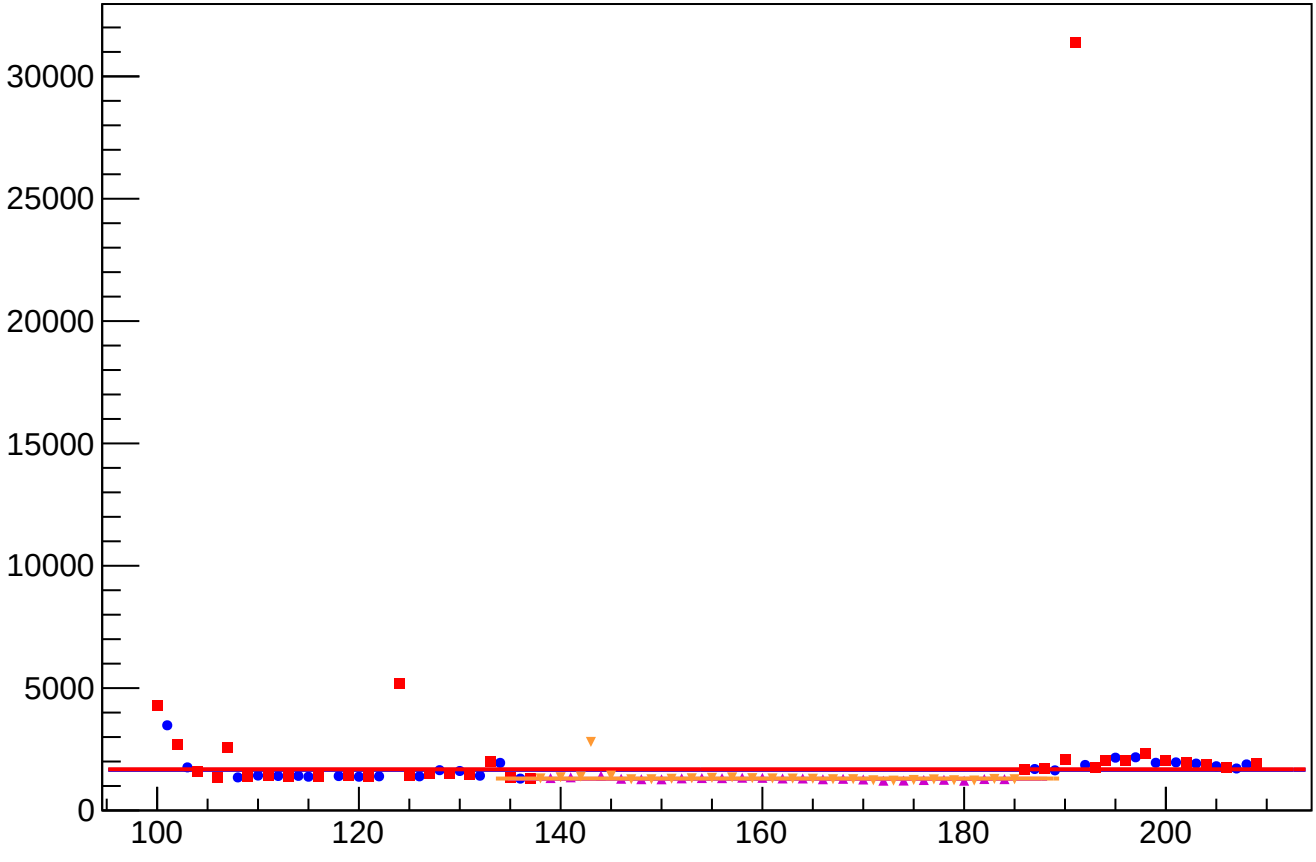
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -294.181+/-244.139 χ^2/NDF: 56.2/51

All: 89.132+/-172.844 χ^2/NDF: 107.3/106

- sign 474.332+/-244.739 χ^2/NDF: 46.2/54

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

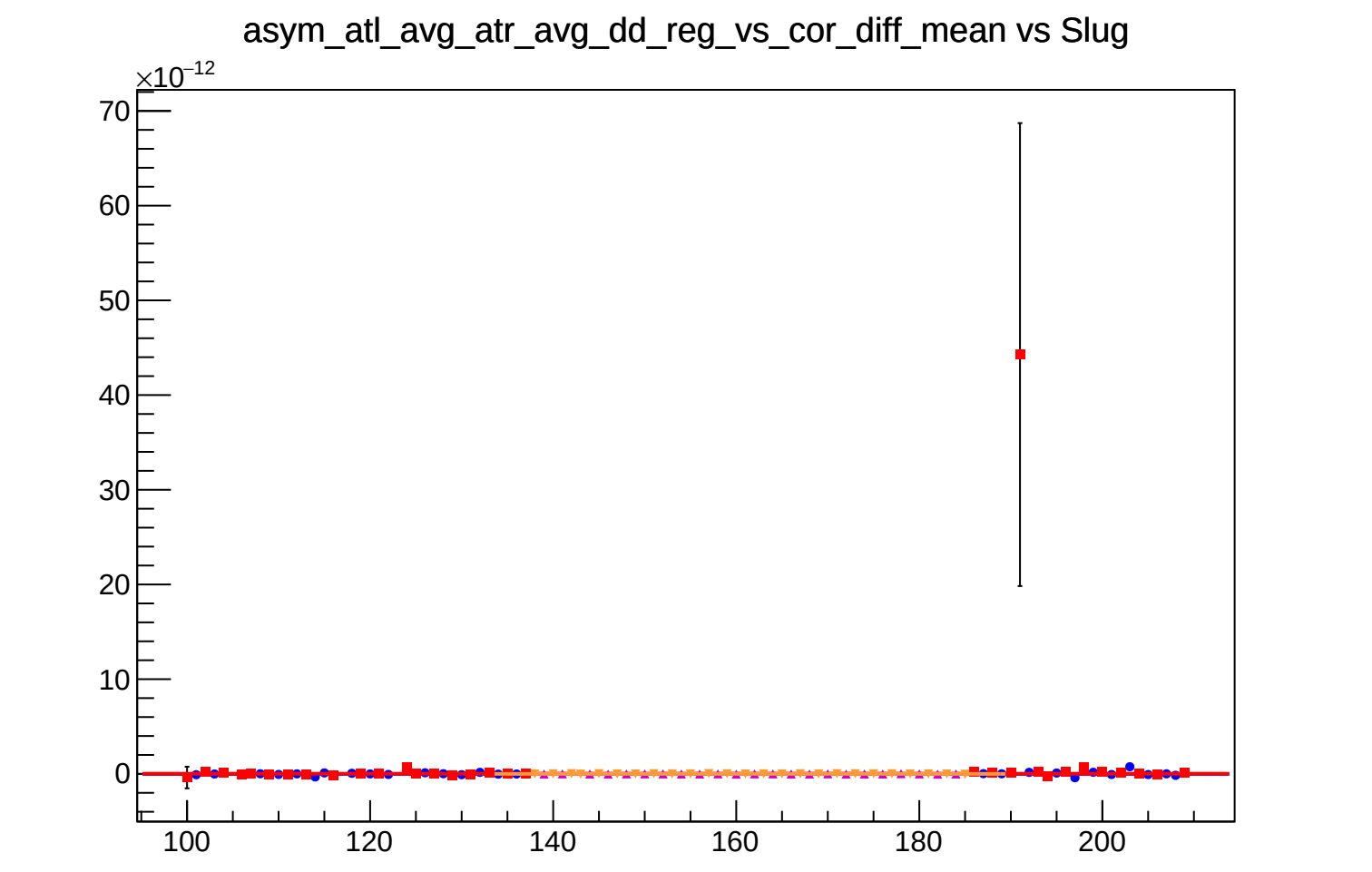
Right Out: 1682.167+/-0.296 χ^2/NDF: 1399409.4/31

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1421.069+/-0.173 χ^2/NDF: 2580588.3/51

All: 1423.452+/-0.122 χ^2/NDF: 5173224.0/10

- sign 1425.846+/-0.173 χ^2/NDF: 2592254.0/54


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: 29.2/26
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.3/31
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 56.2/51
All: 0.000+/-0.000 χ²/NDF: 127.0/106
- sign 0.000+/-0.000 χ²/NDF: 70.3/54

Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

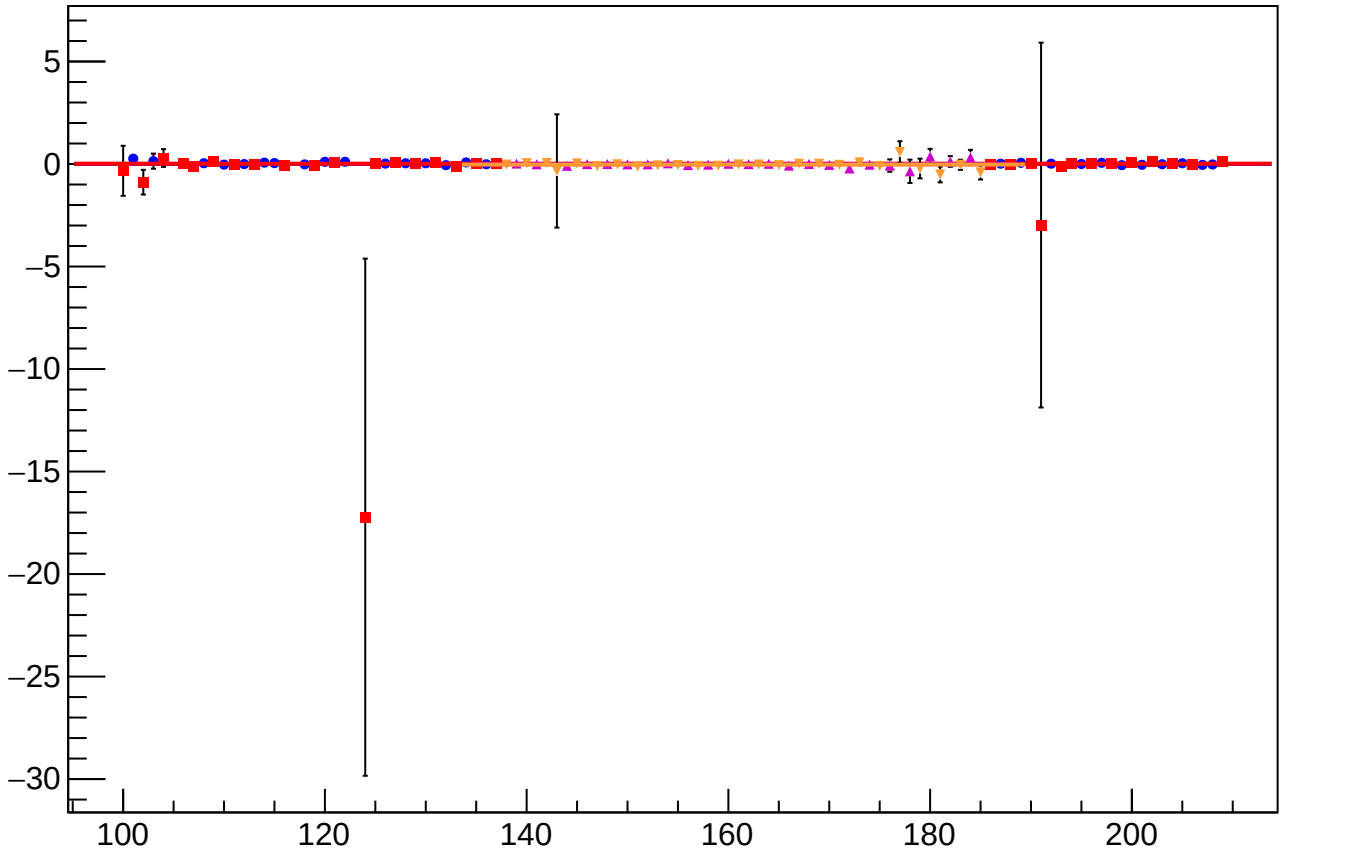
Right Out: 0.000+/-0.000 χ^2/NDF: 9911990.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11194690.2/51

All: 0.000+/-0.000 χ^2/NDF: 24048175.4/106

- sign 0.000+/-0.000 χ^2/NDF: 12827463.0/54



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

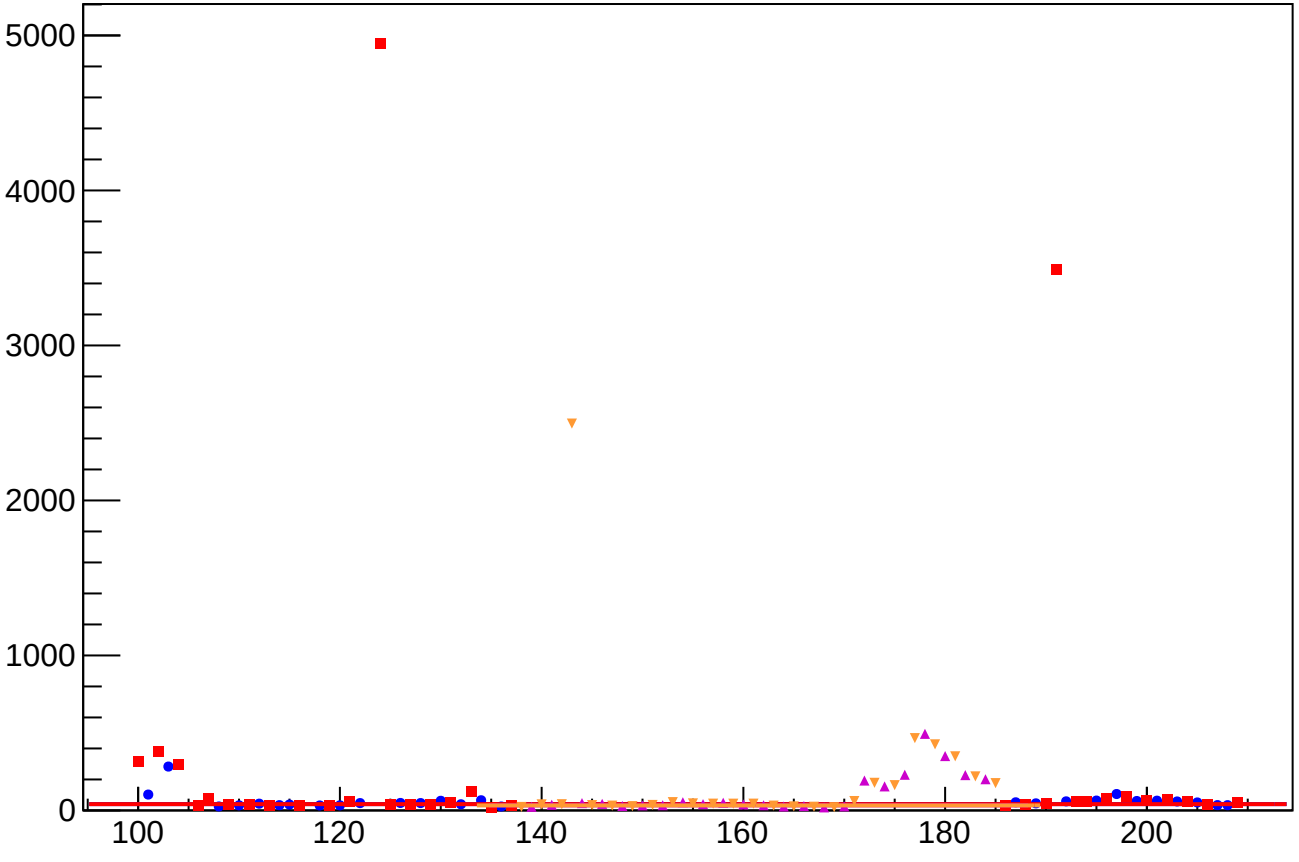
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

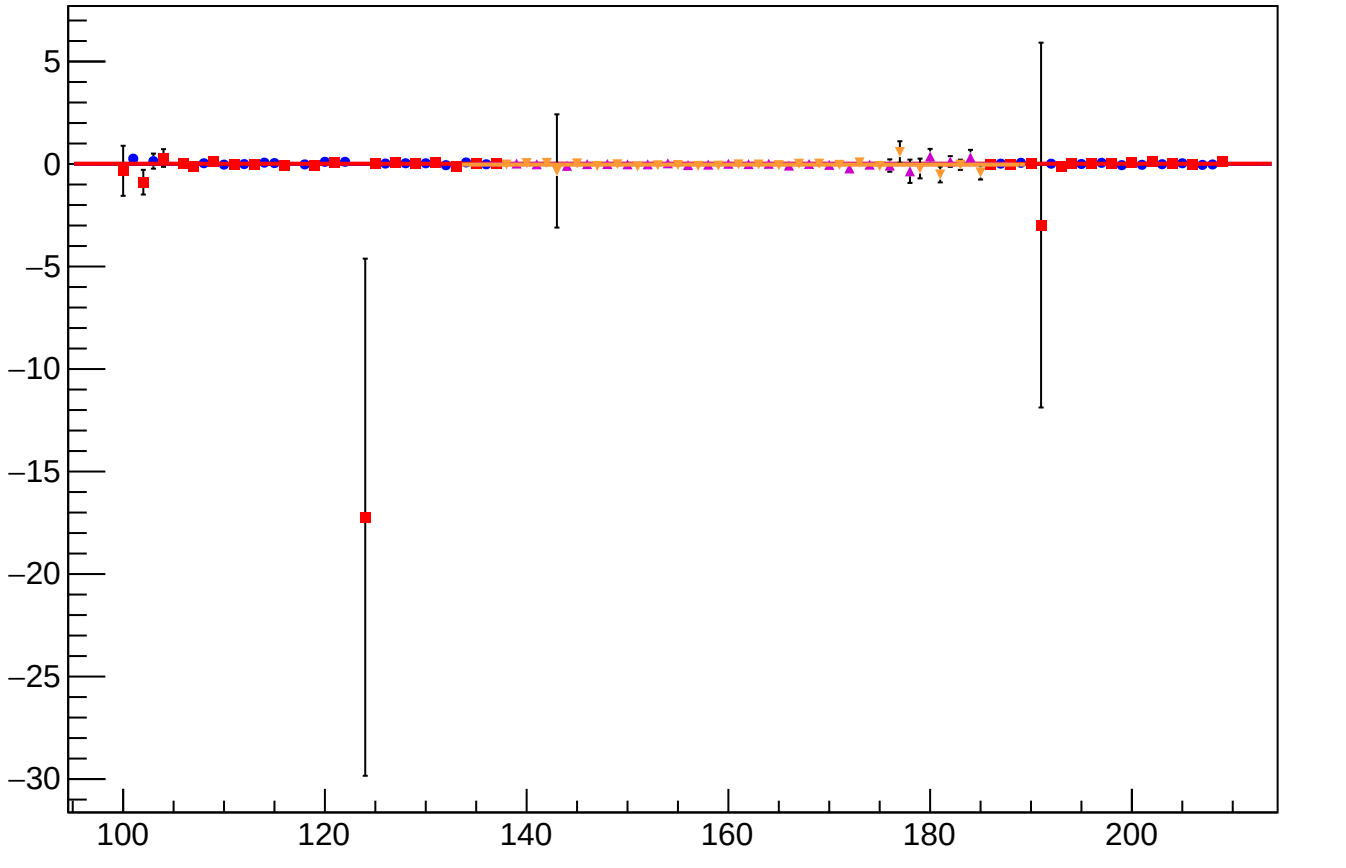
Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106

- sign 35.969+/-0.005 χ^2/NDF: 14994283.9/54



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

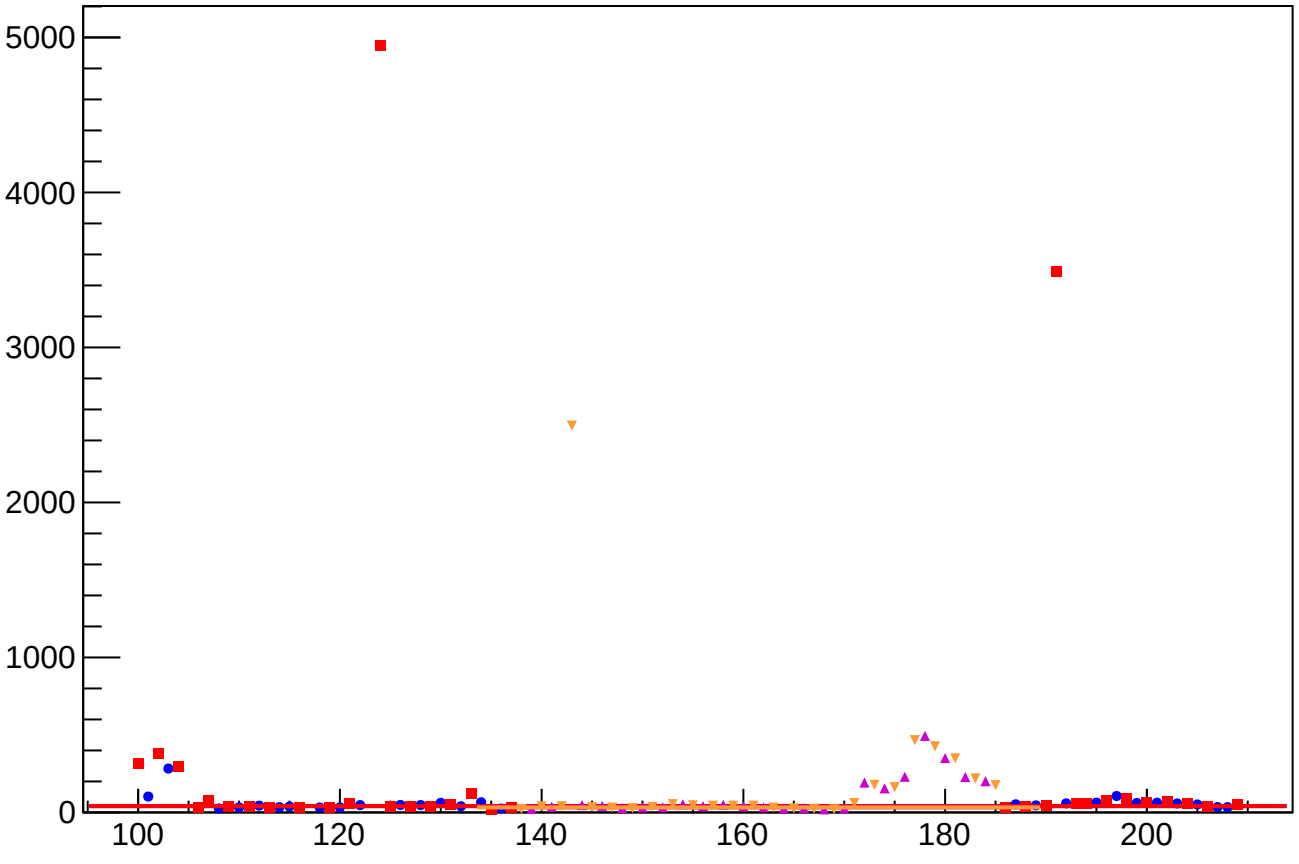
Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

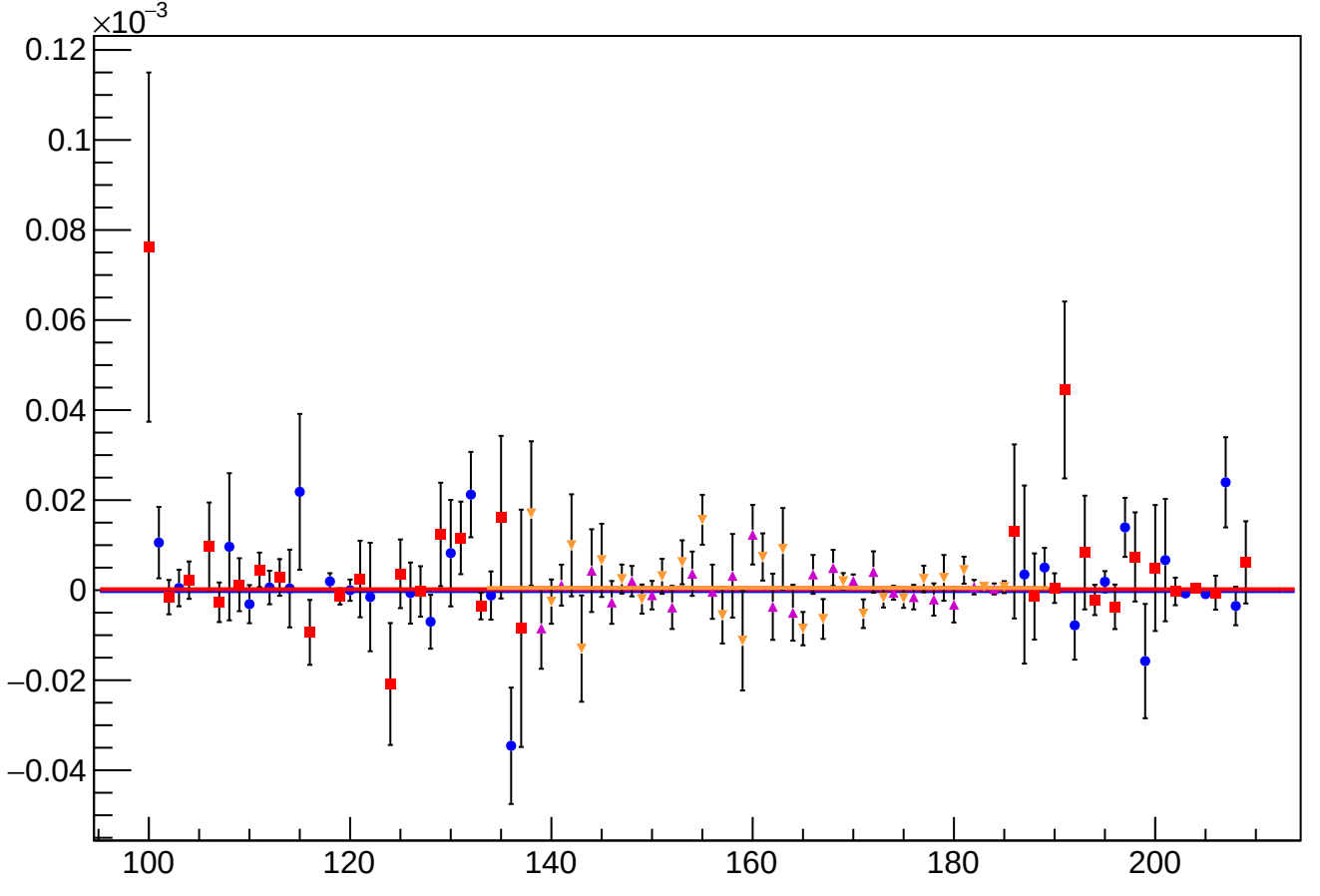
Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106

- sign 35.969+/-0.005 χ^2/NDF: 14994283.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

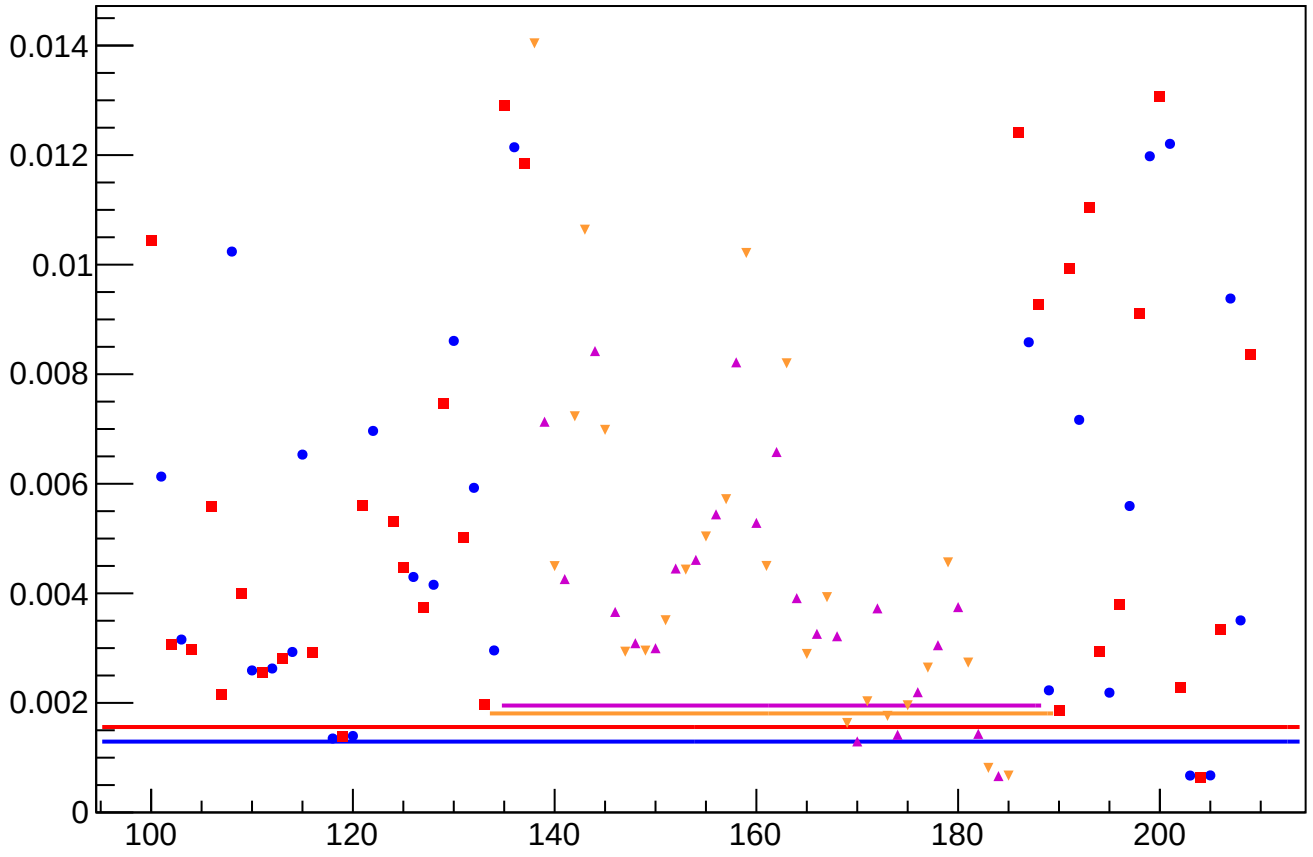
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/31

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/51

All: 0.000+/-0.000 χ^2/NDF: 113.8/106

- sign 0.000+/-0.000 χ^2/NDF: 40.4/54



Right In: 0.001+/-0.000 χ^2/NDF: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

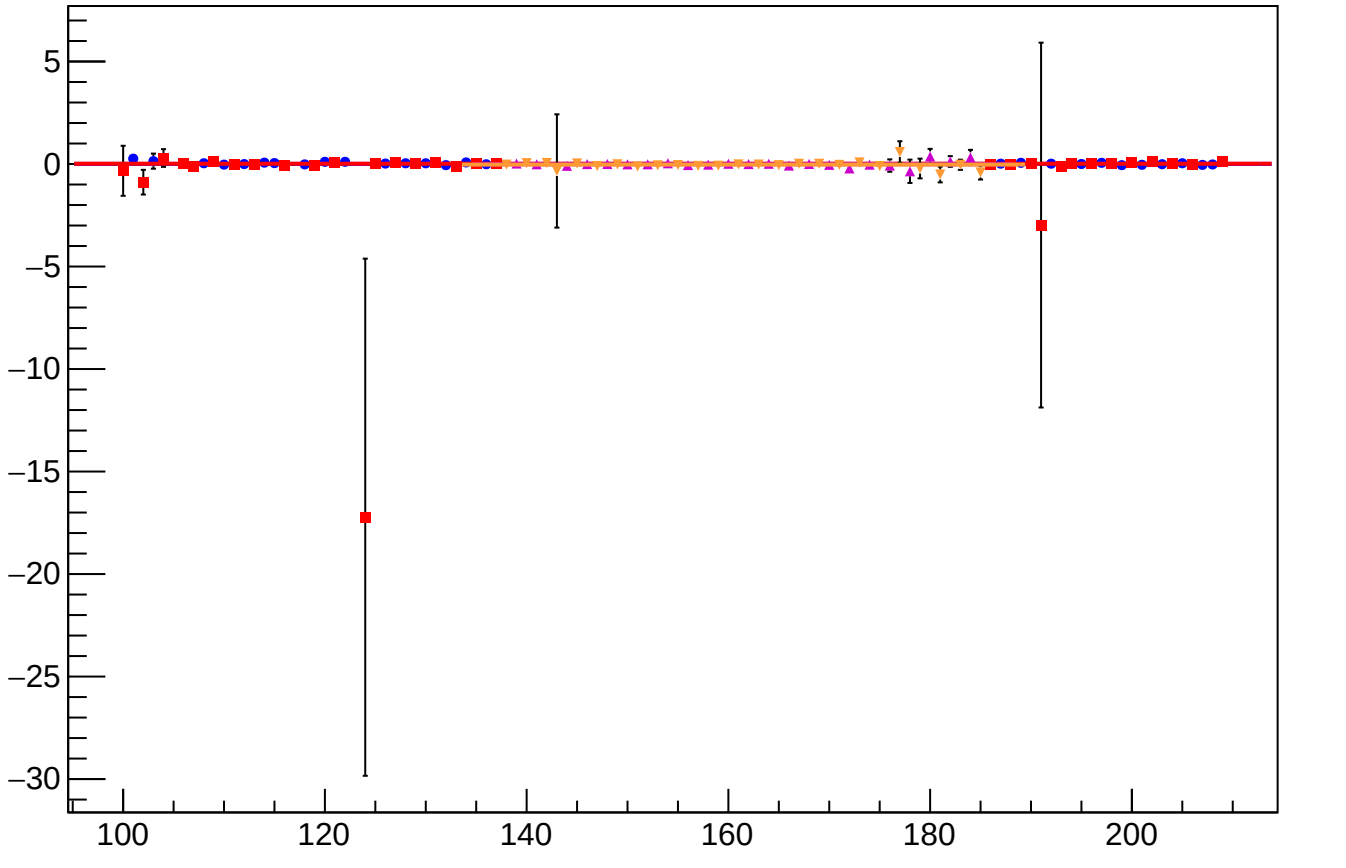
Right Out: 0.002+/-0.000 χ^2/NDF: 16523060.5/31

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 31755158.4/51

All: 0.002+/-0.000 χ^2/NDF: 60518729.3/106

- sign 0.002+/-0.000 χ^2/NDF: 28466486.6/54



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

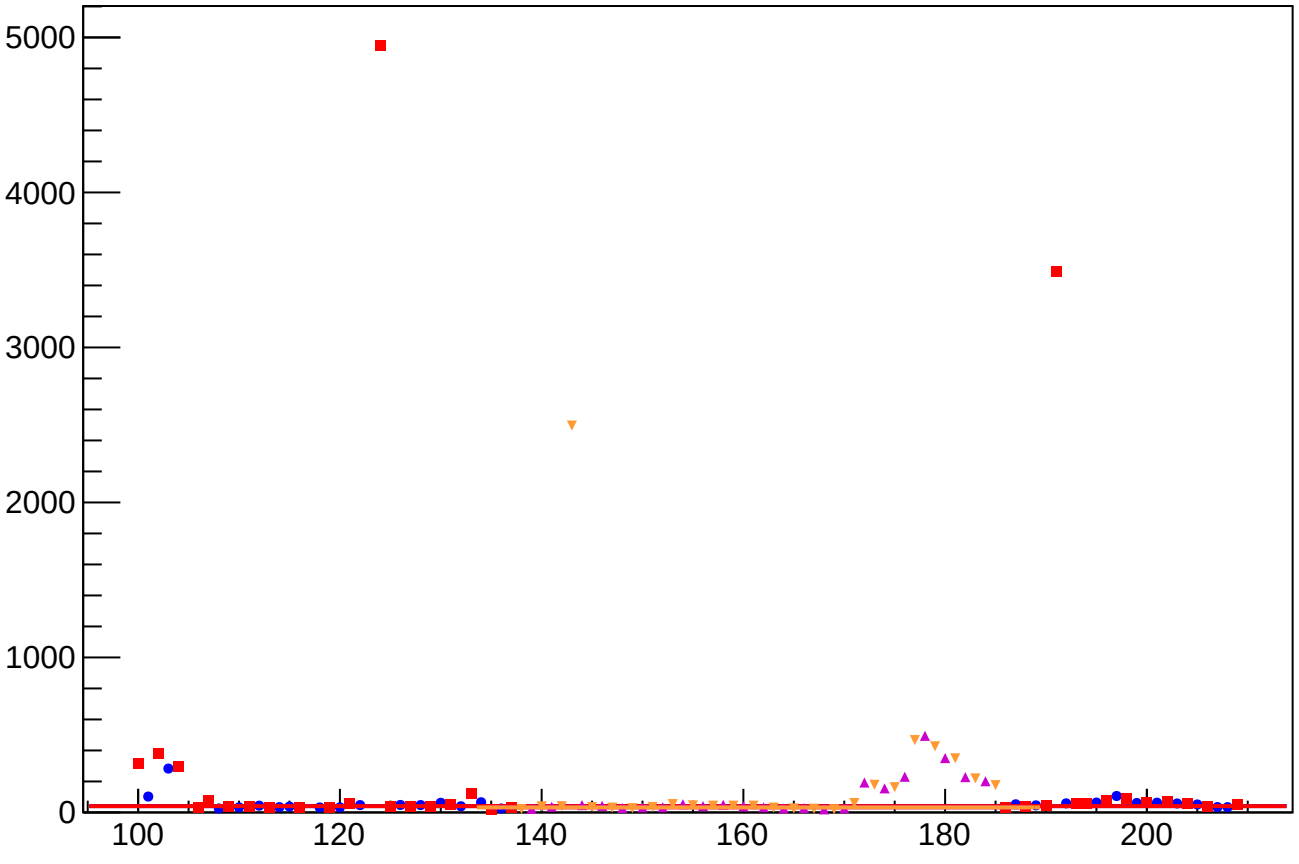
Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

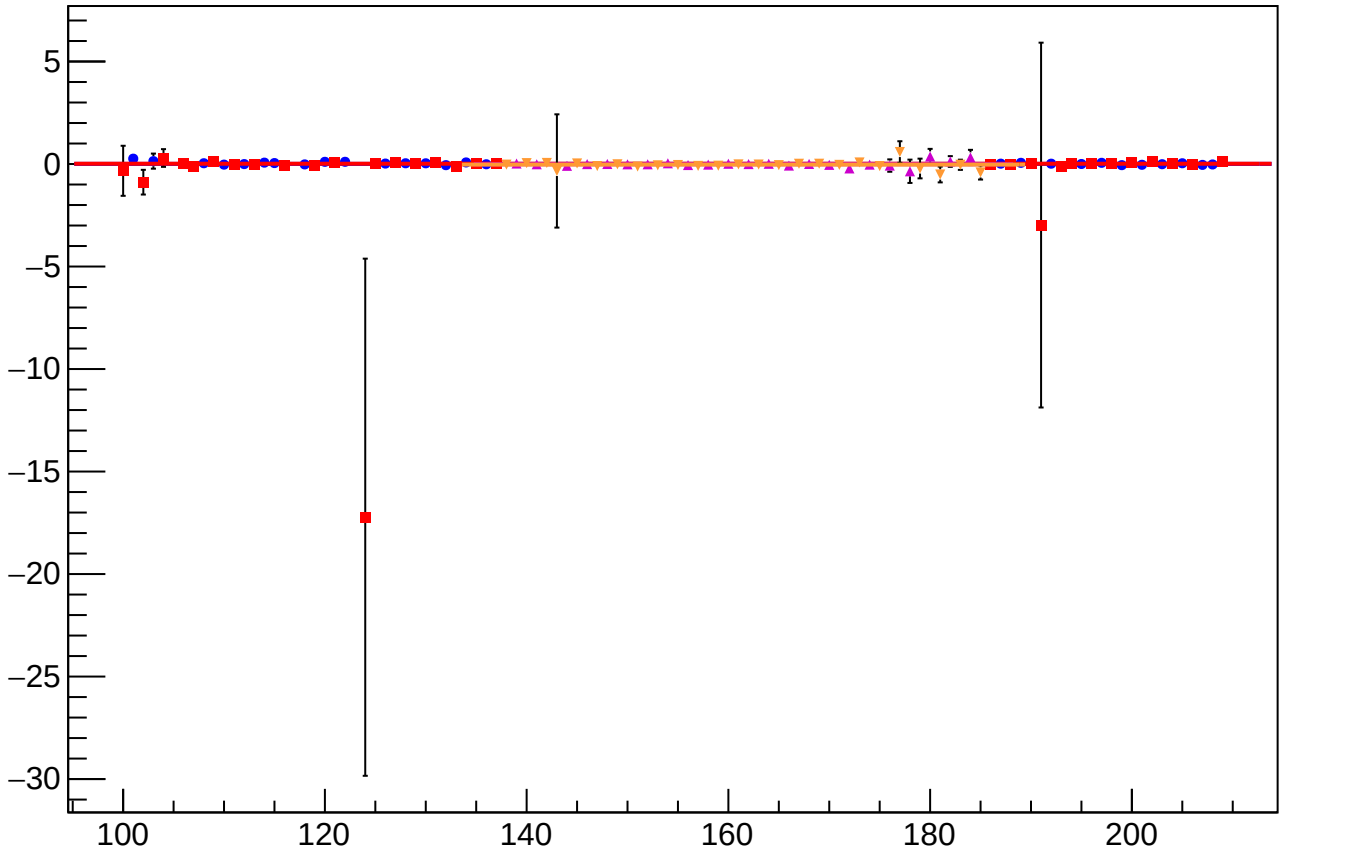
Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

- sign 35.969+/-0.005 χ^2/NDF: 14994945.0/54



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

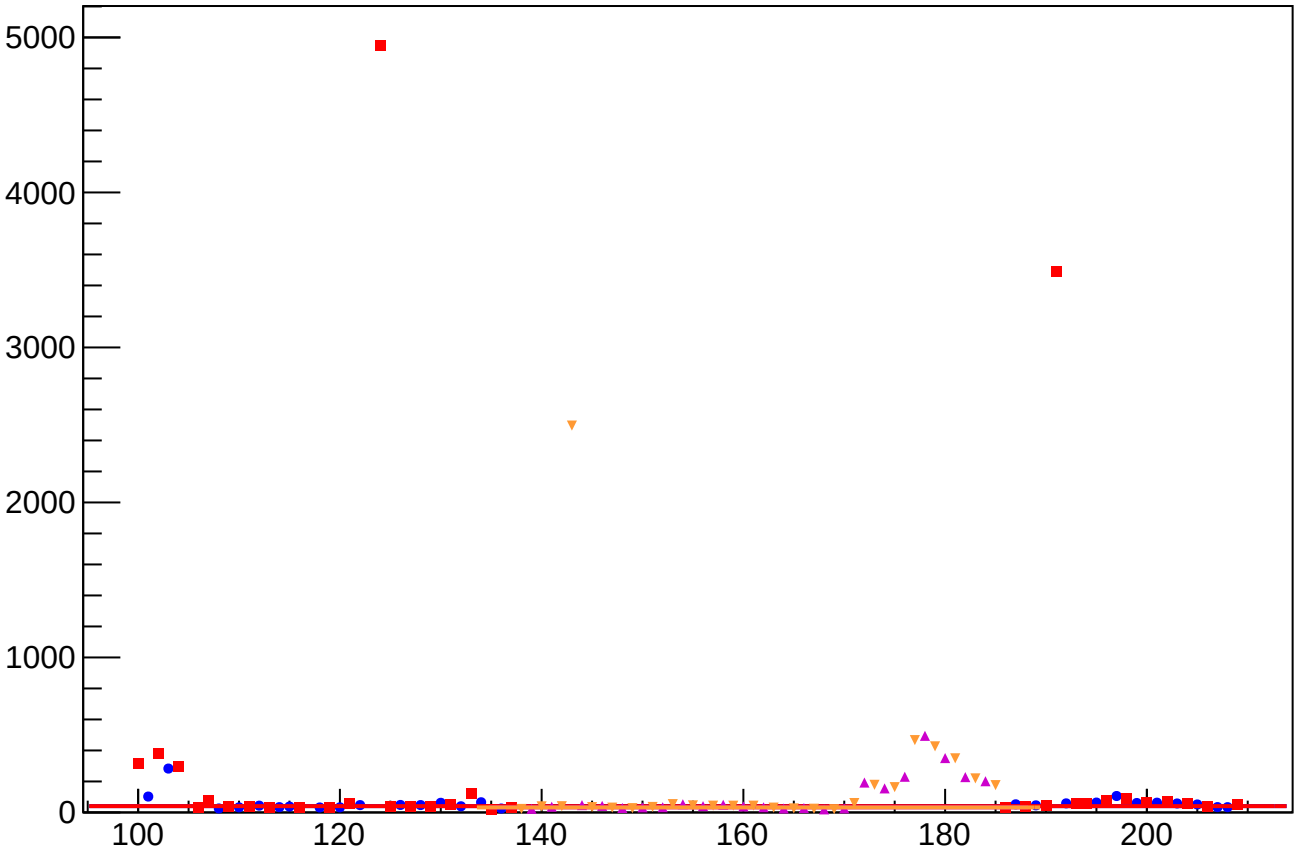
Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

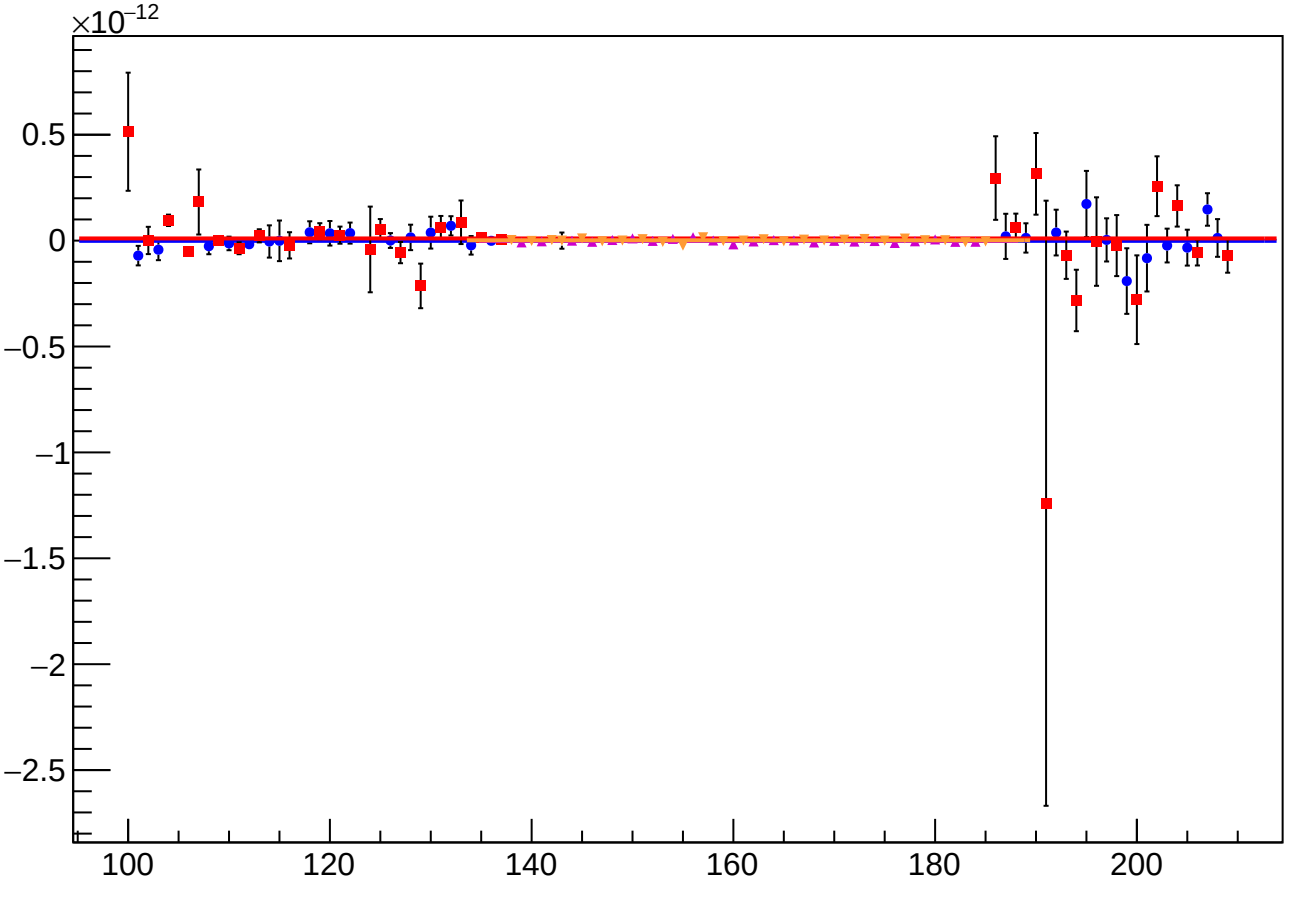
Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

- sign 35.969+/-0.005 χ^2/NDF: 14994945.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

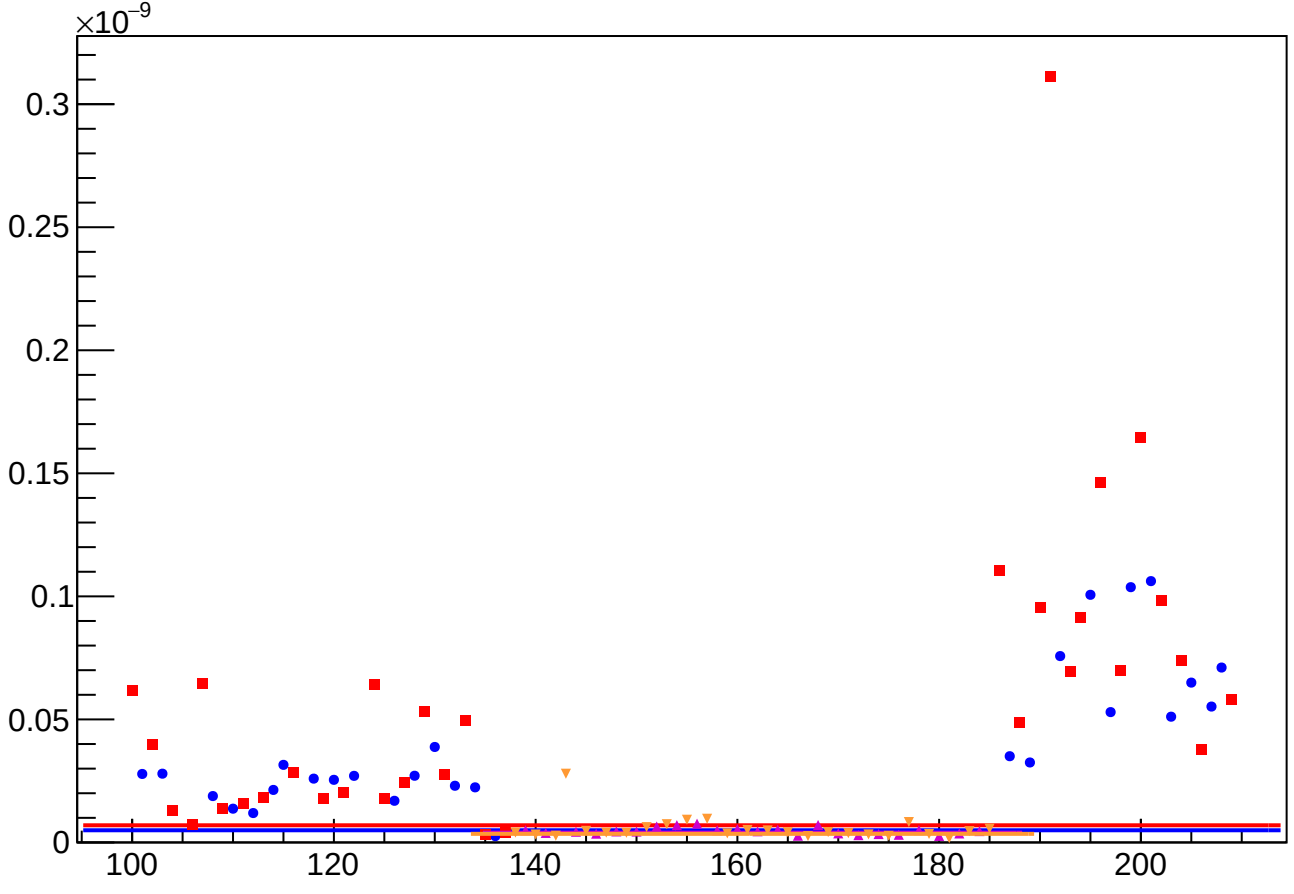
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/31

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.4/51

All: 0.000+/-0.000 χ^2/NDF: 131.7/106

- sign -0.000+/-0.000 χ^2/NDF: 96.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13733943.7/31

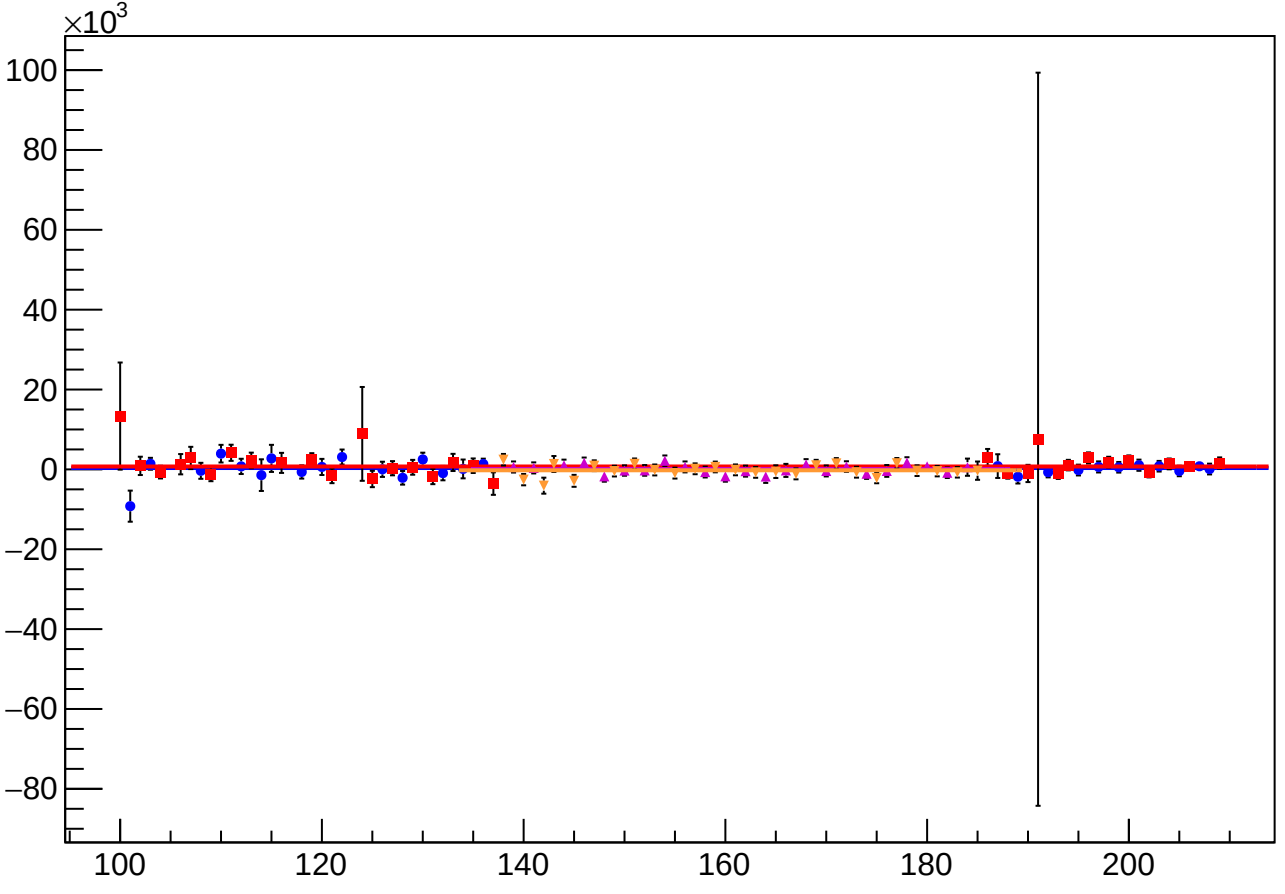
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 18003535.1/51

All: 0.000+/-0.000 χ^2/NDF: 35074097.5/106

- sign 0.000+/-0.000 χ^2/NDF: 16784935.8/54

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 726.532+/-311.191 χ^2/NDF: 27.7/31

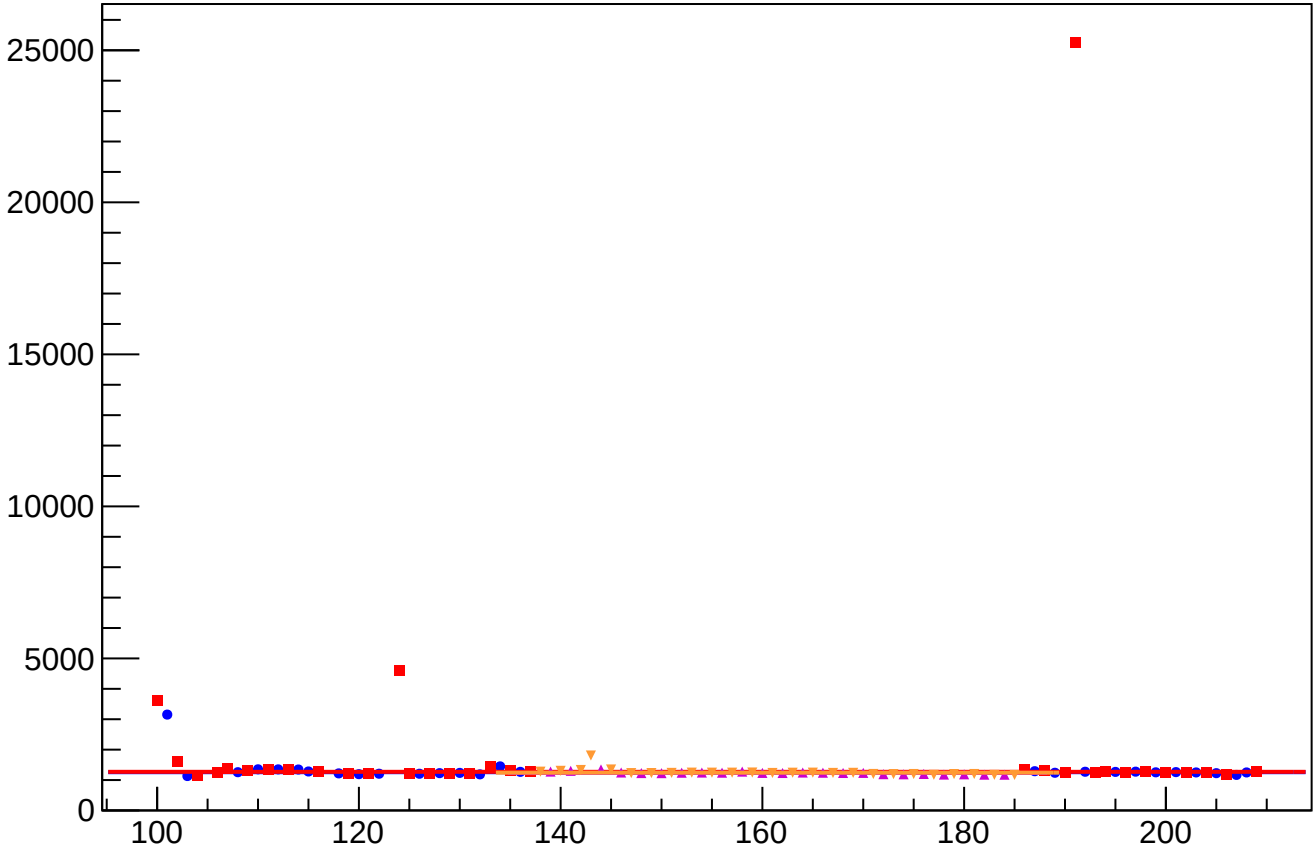
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 28.363+/-211.712 χ^2/NDF: 46.4/51

All: 206.996+/-149.612 χ^2/NDF: 92.5/106

- sign 385.197+/-211.456 χ^2/NDF: 44.7/54

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

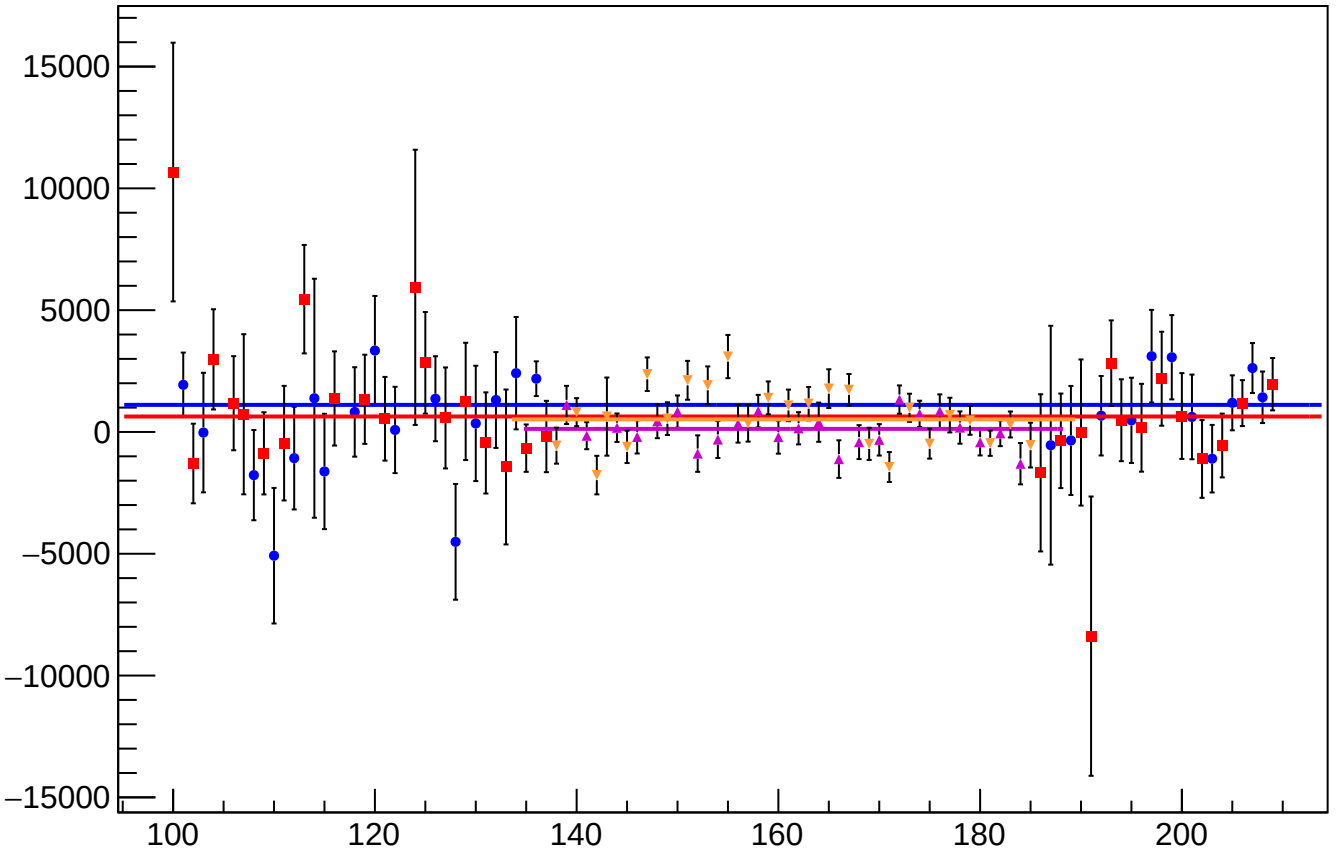
Right Out: 1270.643+/-0.220 χ^2/NDF: 486615.6/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1249.518+/-0.150 χ^2/NDF: 739751.6/51

All: 1250.153+/-0.106 χ^2/NDF: 1280814.3/10

- sign 1250.786+/-0.150 χ^2/NDF: 541026.8/54



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 635.031+/-312.903 χ^2/NDF: 26.7/31

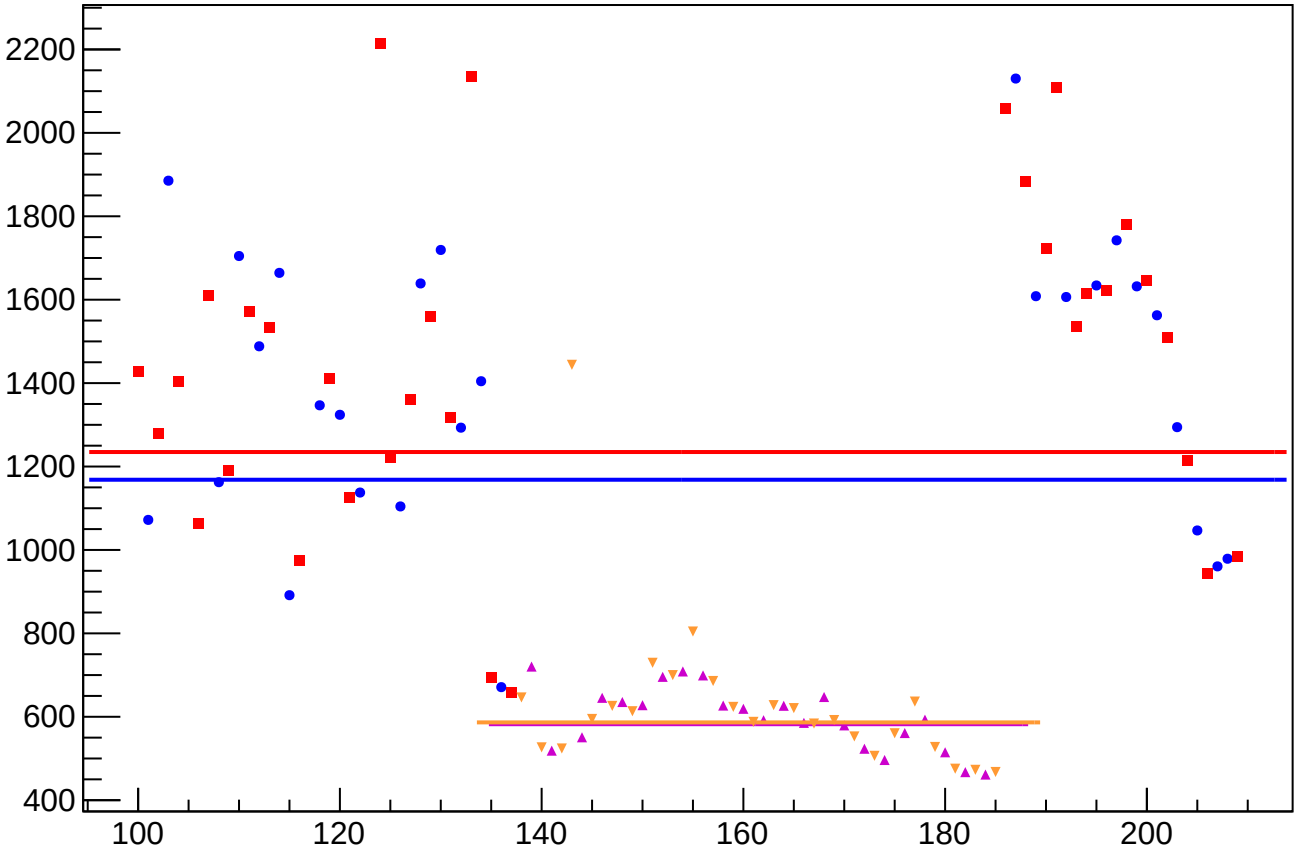
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 613.689+/-124.208 χ^2/NDF: 98.2/51

All: 413.581+/-88.352 χ^2/NDF: 153.9/106

- sign 208.629+/-125.703 χ^2/NDF: 50.4/54

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.788+/-0.221 χ^2/NDF: 2730712.1/31

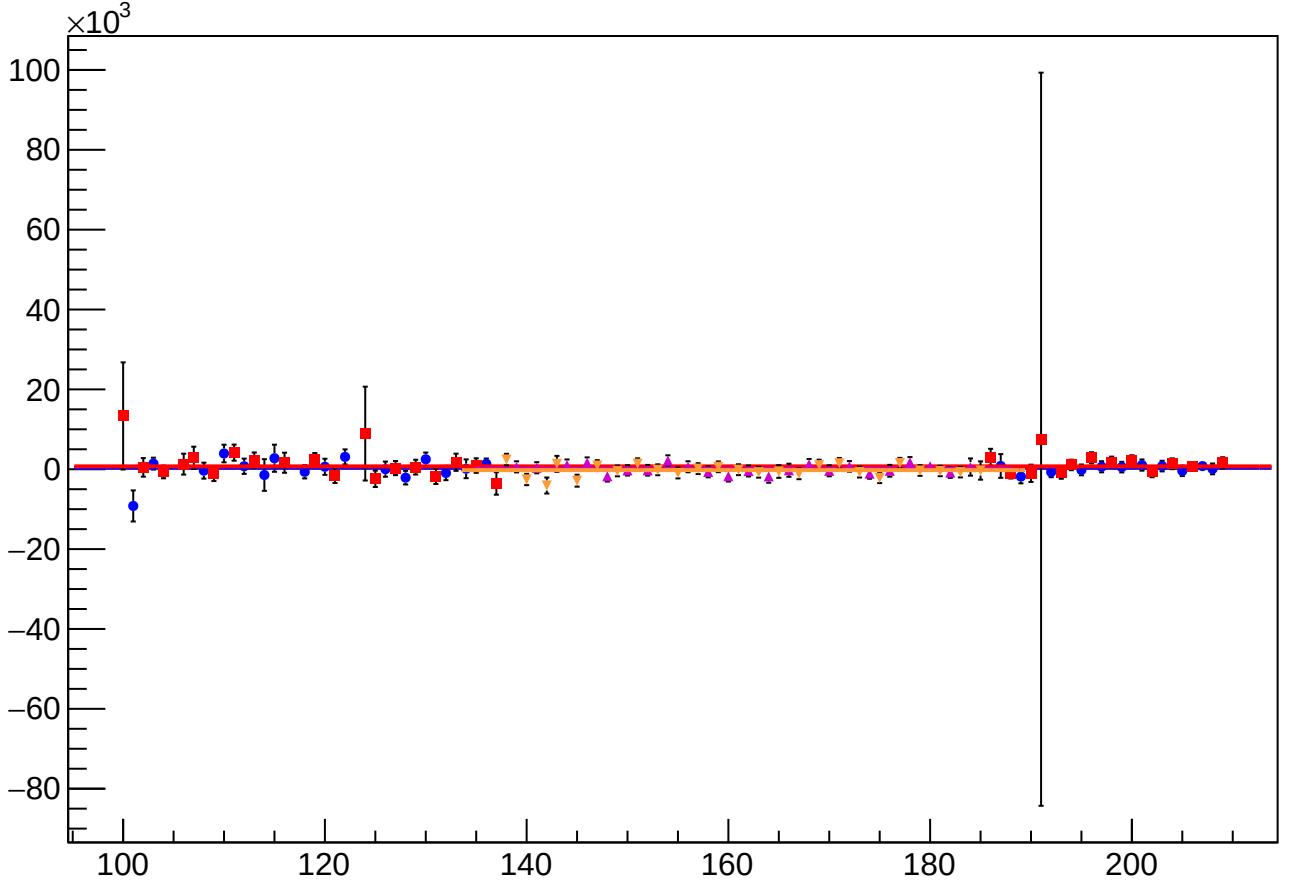
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 681.251+/-0.088 χ^2/NDF: 9807434.2/51

All: 684.344+/-0.062 χ^2/NDF: 20395547.4/10

- sign 687.511+/-0.089 χ^2/NDF: 10585603.3/54

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 718.246+/-311.413 χ^2/NDF: 27.7/31

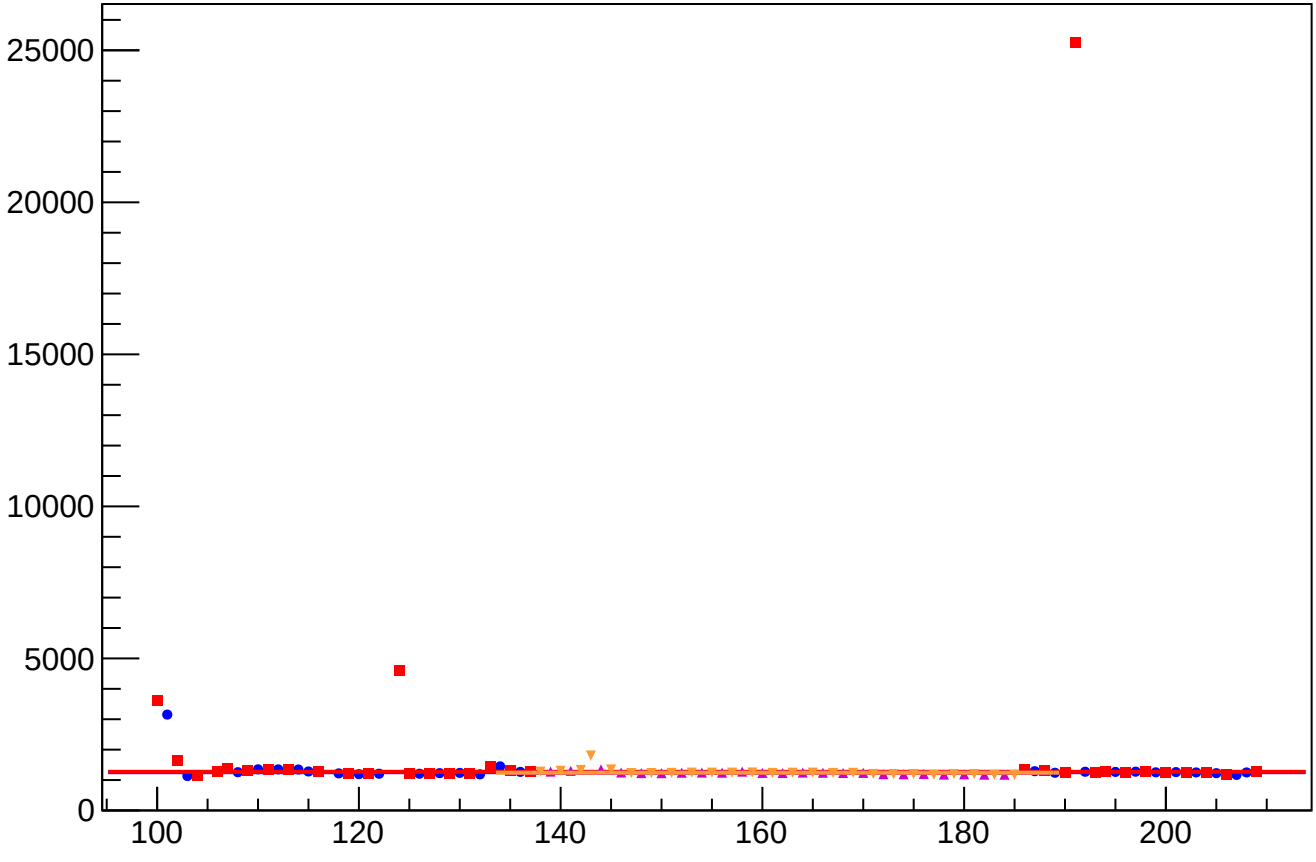
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 204.966+/-149.637 χ^2/NDF: 92.3/106

- sign 381.188+/-211.526 χ^2/NDF: 44.6/54

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

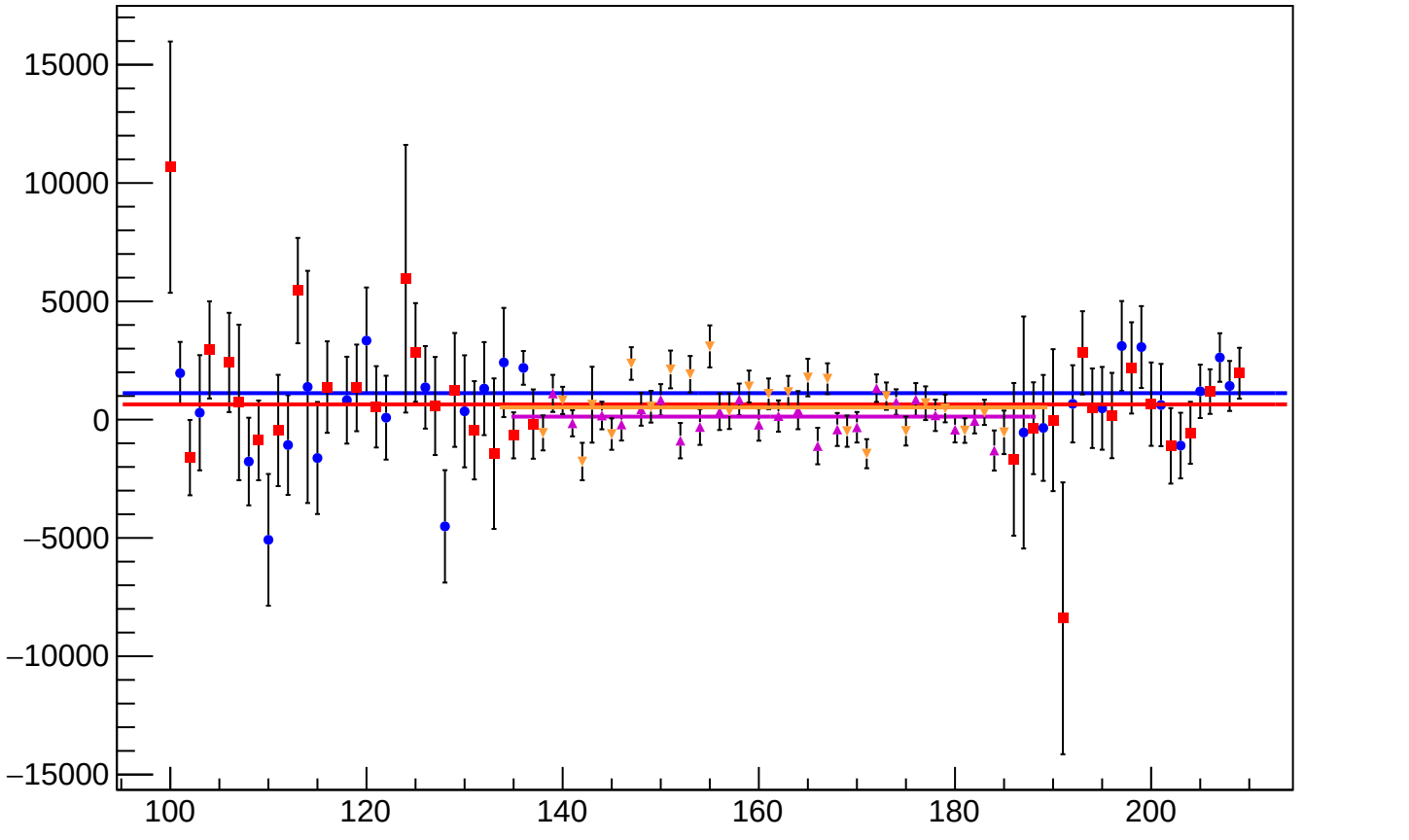
Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

- sign 1251.207+/-0.150 χ^2/NDF: 548939.3/54



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 644.003+/-313.211 χ^2/NDF: 27.9/31

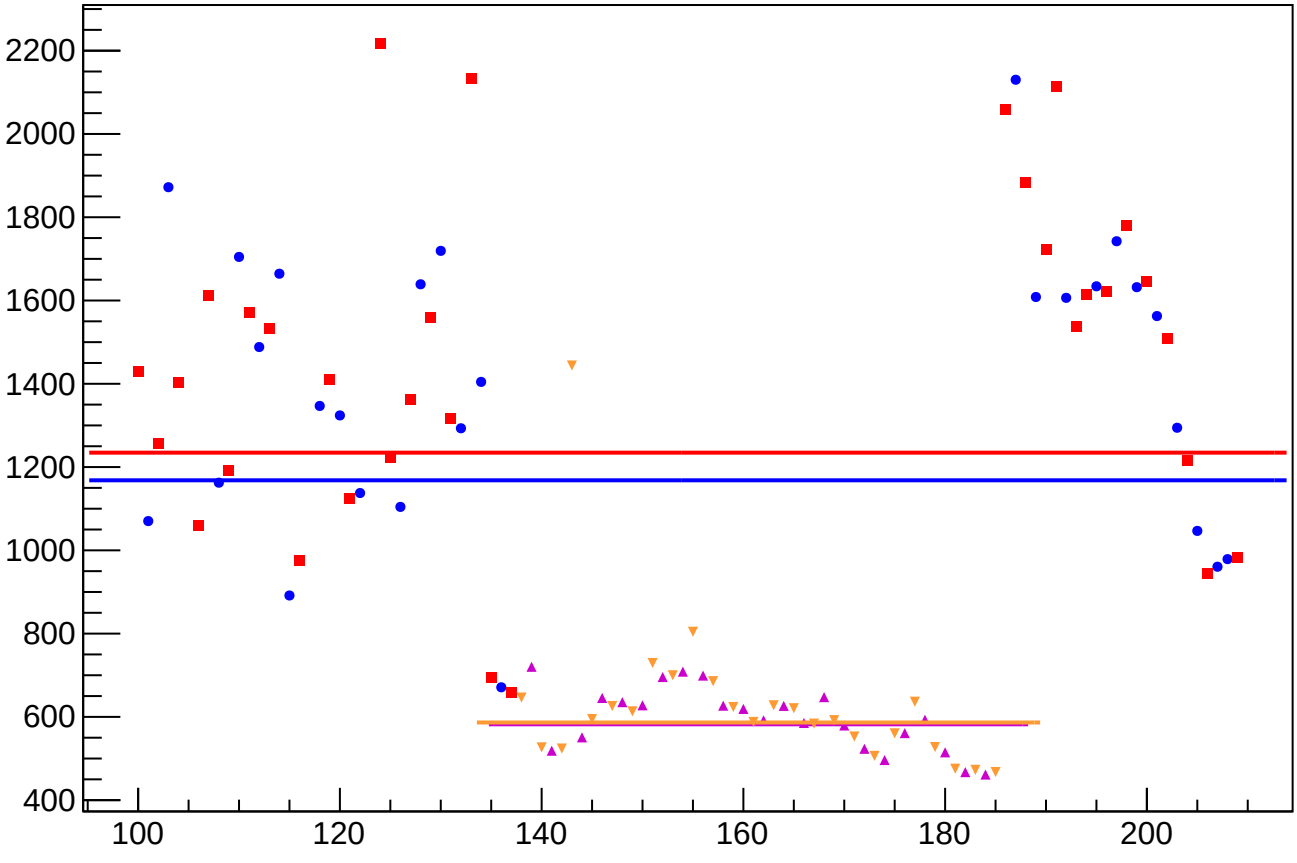
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 414.814+/-88.358 χ^2/NDF: 155.2/106

- sign 209.922+/-125.722 χ^2/NDF: 51.7/54

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

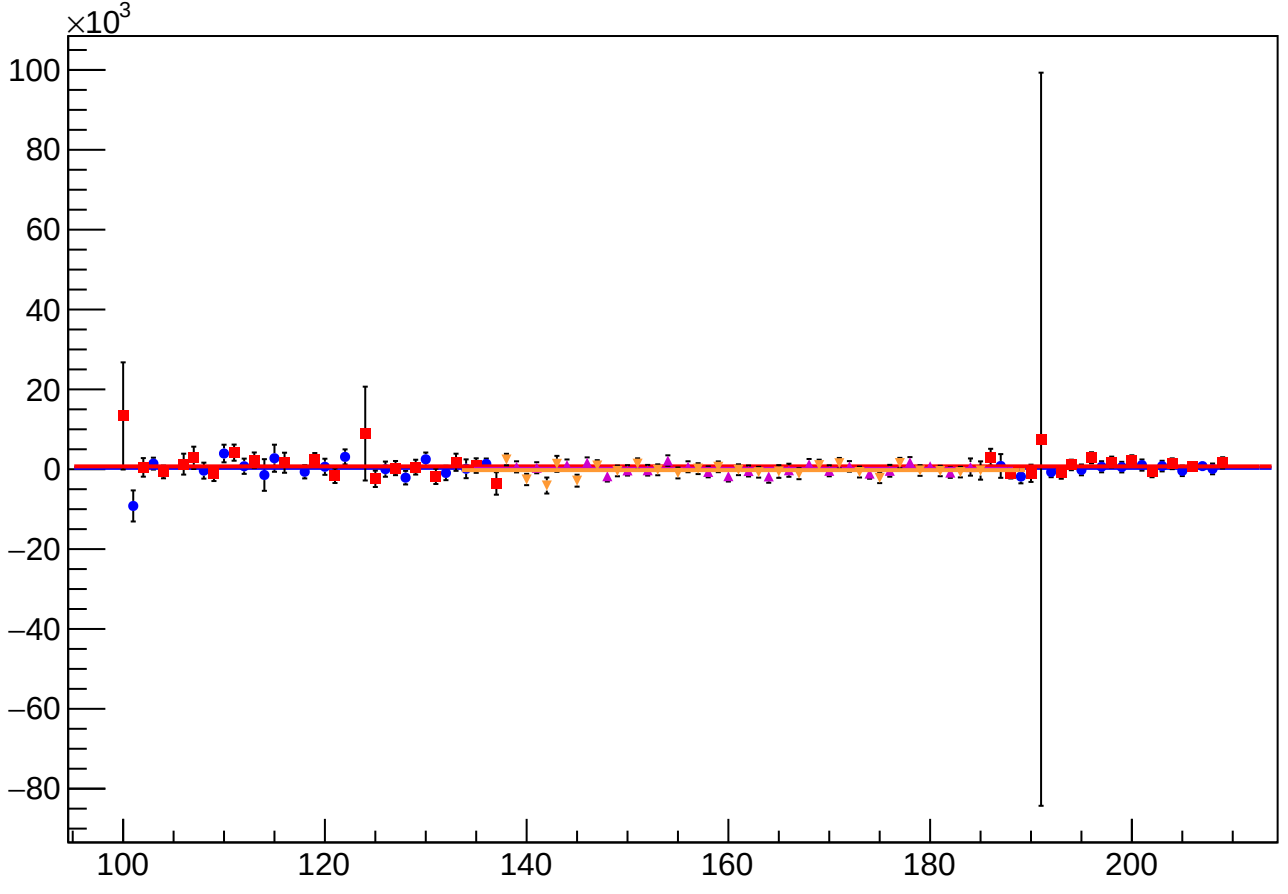
Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10

- sign 687.308+/-0.089 χ^2/NDF: 10567182.0/54



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 718.246+/-311.413 χ^2/NDF: 27.7/31

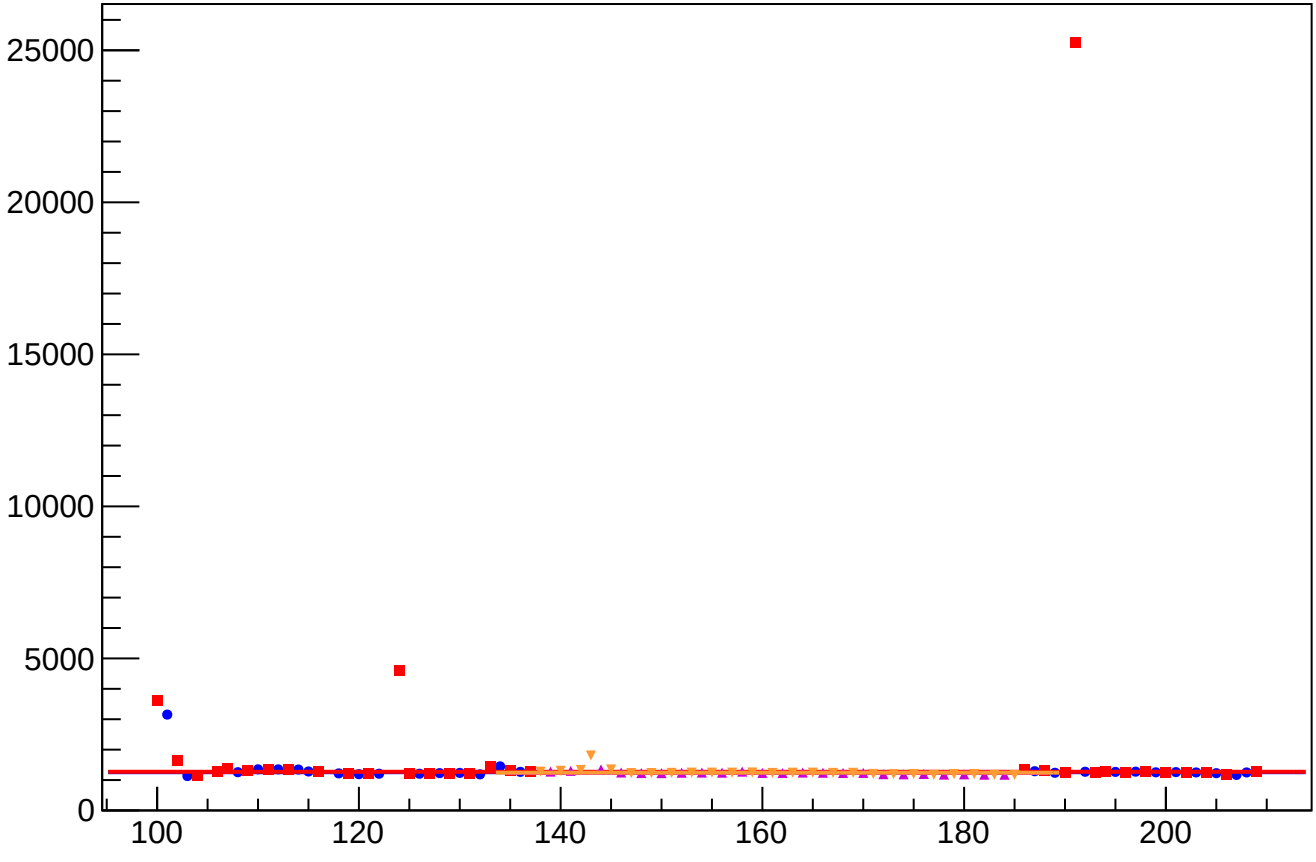
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 204.966+/-149.637 χ^2/NDF: 92.3/106

- sign 381.188+/-211.526 χ^2/NDF: 44.6/54

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

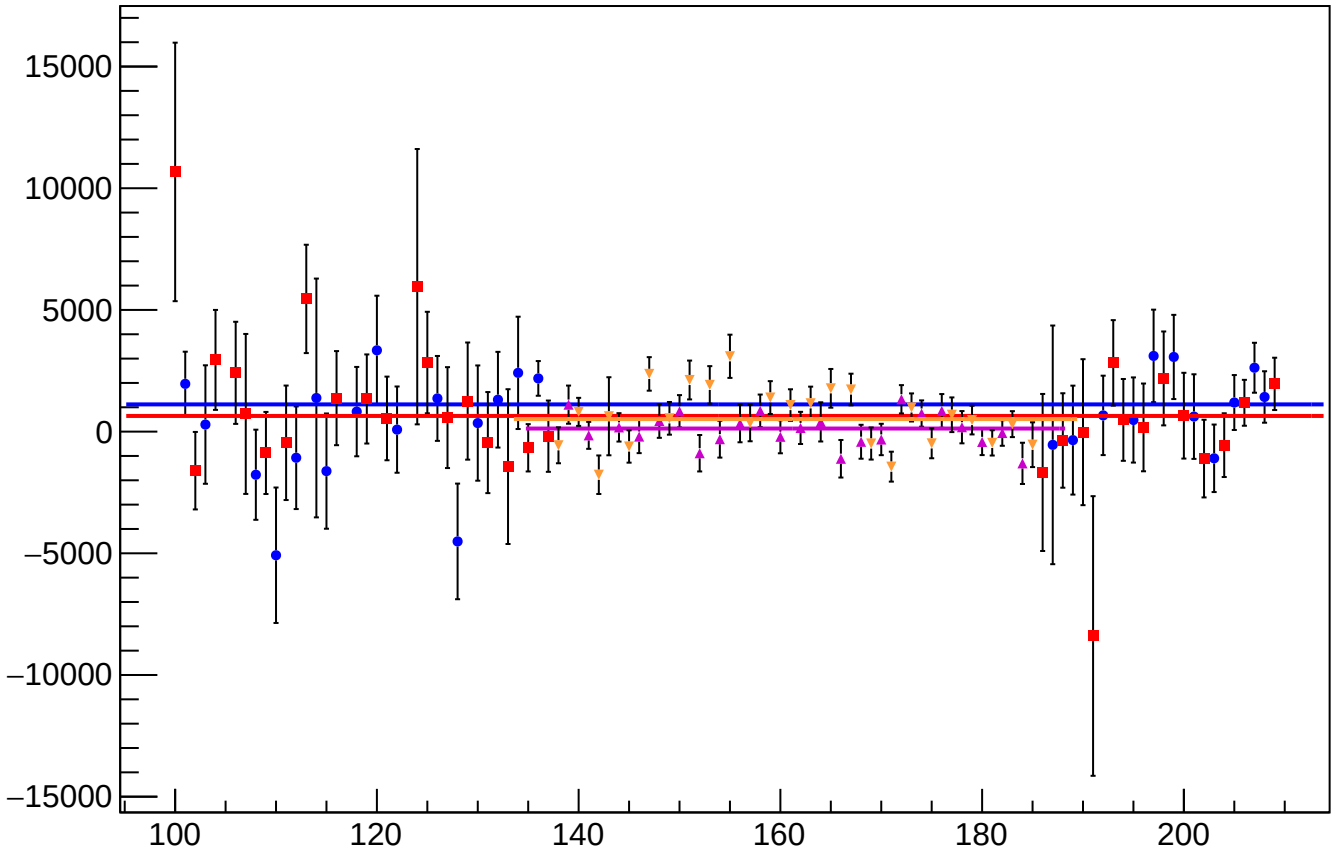
Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

- sign 1251.207+/-0.150 χ^2/NDF: 548939.3/54



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

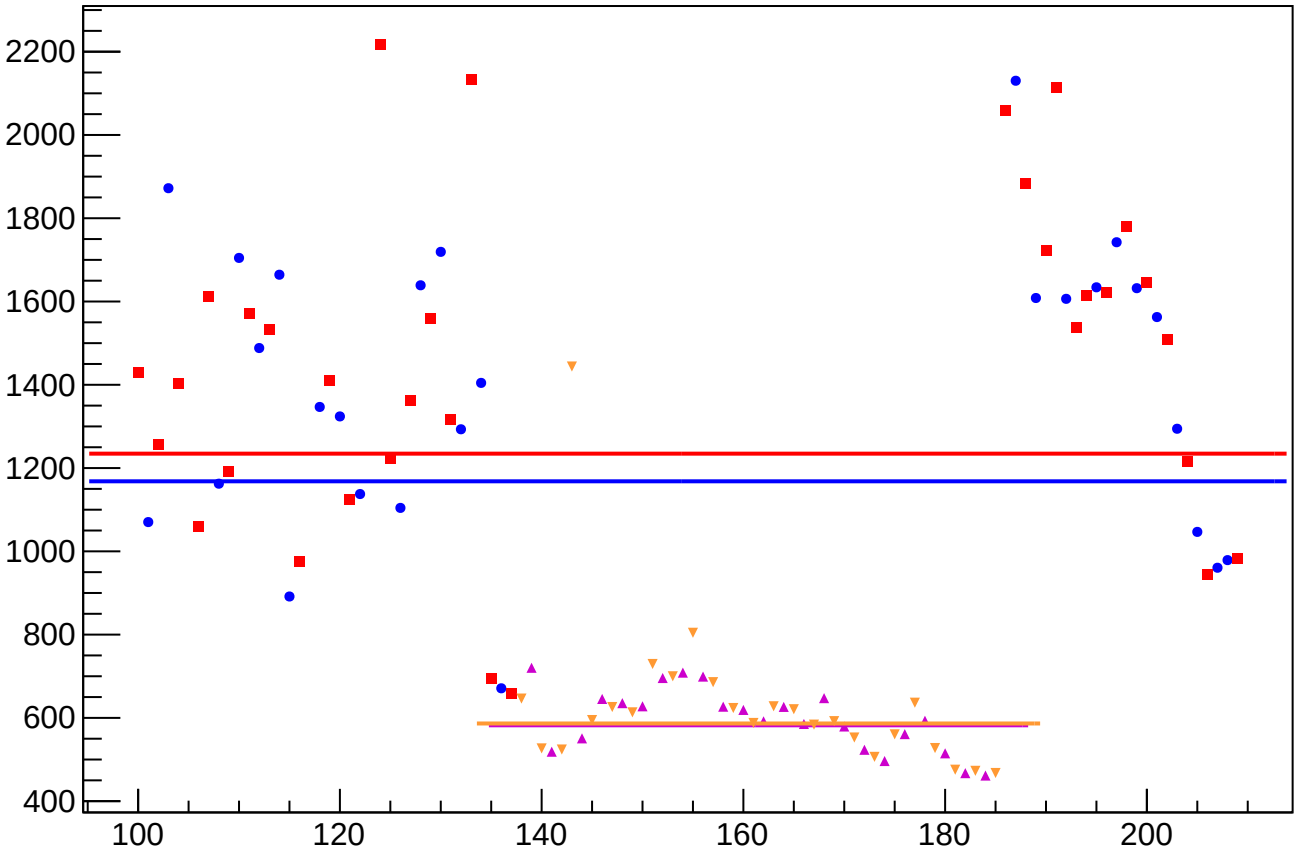
Right Out: 644.003+/-313.211 χ^2/NDF: 27.9/31

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 414.814+/-88.358 χ^2/NDF: 155.2/106

\- sign 209.922+/-125.722 χ^2/NDF: 51.7/54



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

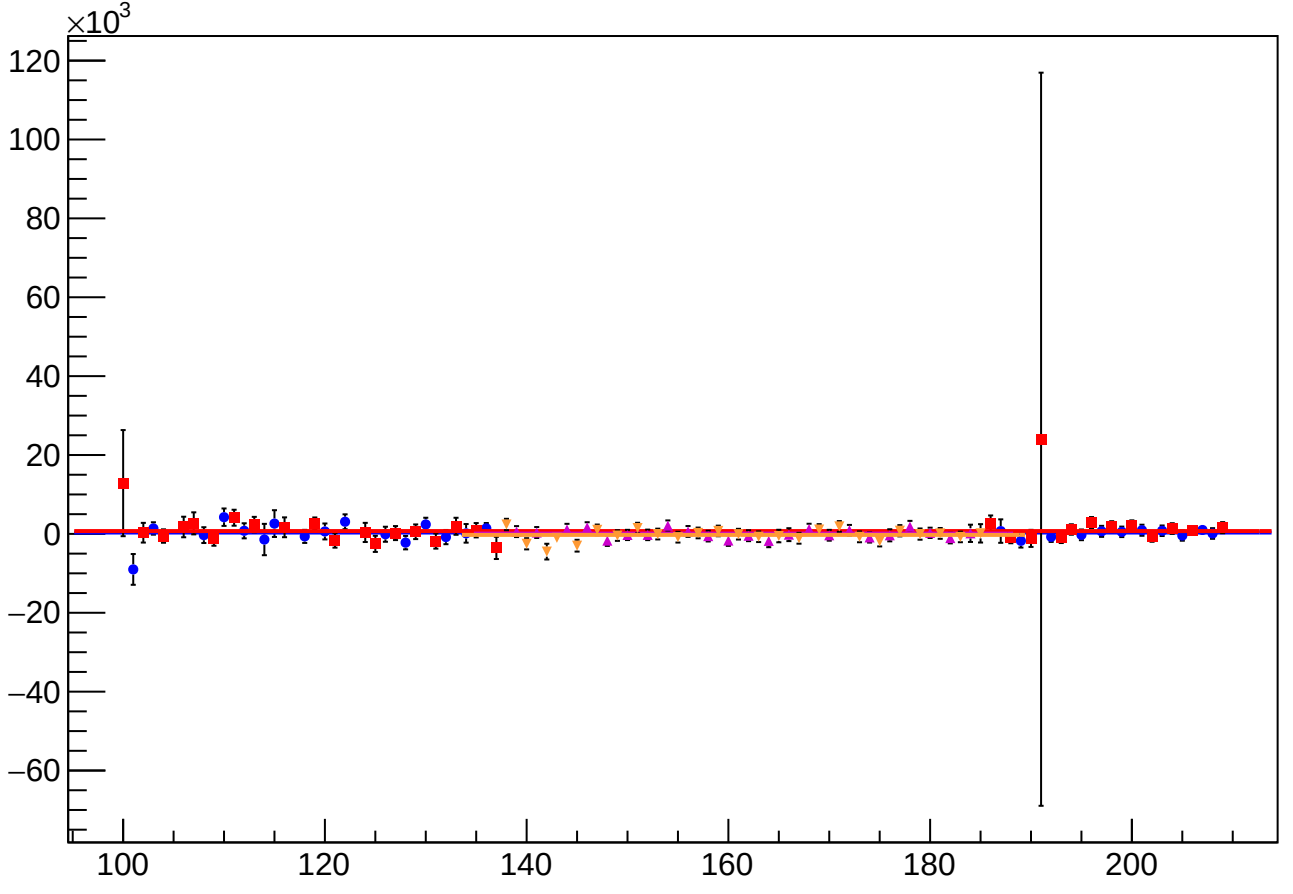
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10

- sign 687.308+/-0.089 χ^2/NDF: 10567182.0/54

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 716.571+/-310.600 χ^2/NDF: 27.2/31

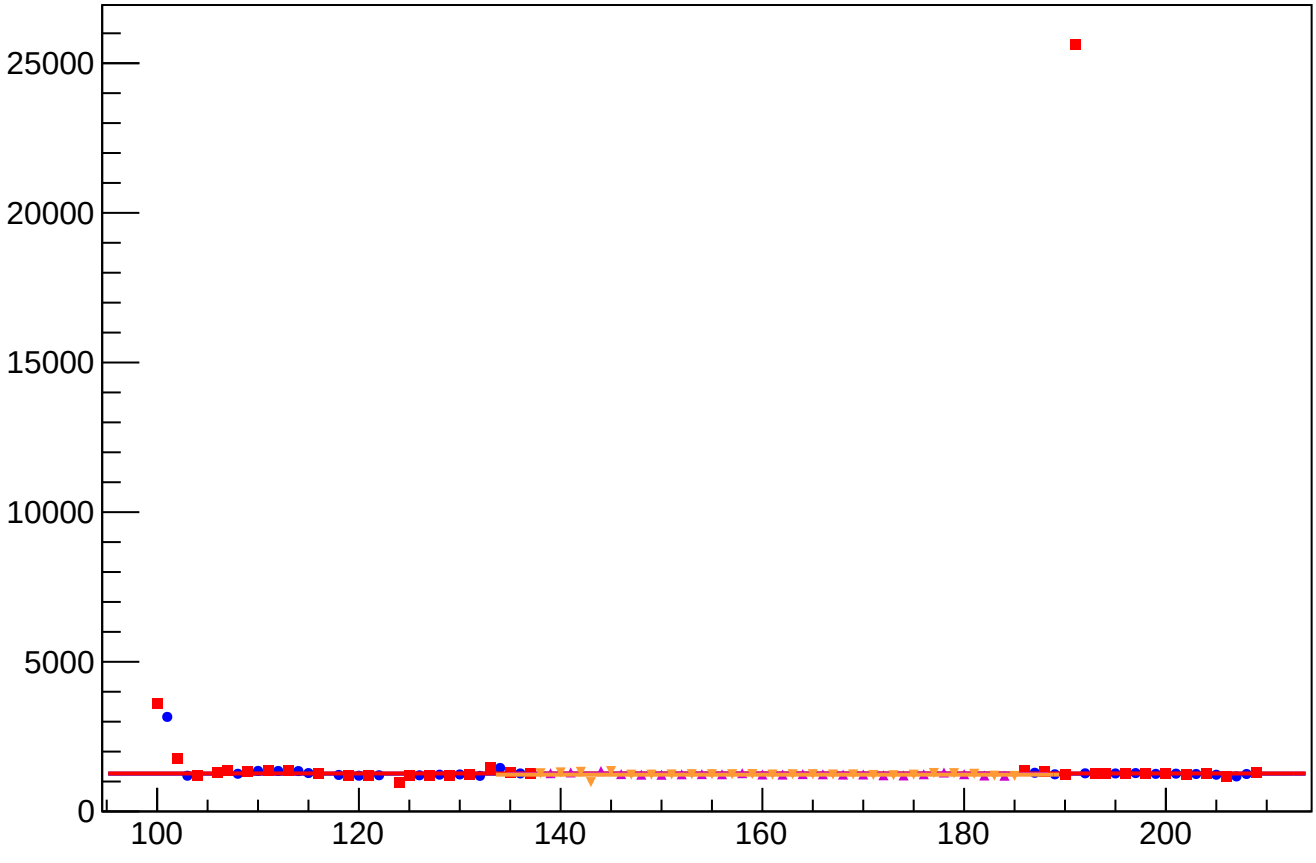
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.878+/-210.710 χ^2/NDF: 46.8/51

All: 190.529+/-149.636 χ^2/NDF: 91.8/106

- sign 375.344+/-212.537 χ^2/NDF: 43.5/54

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

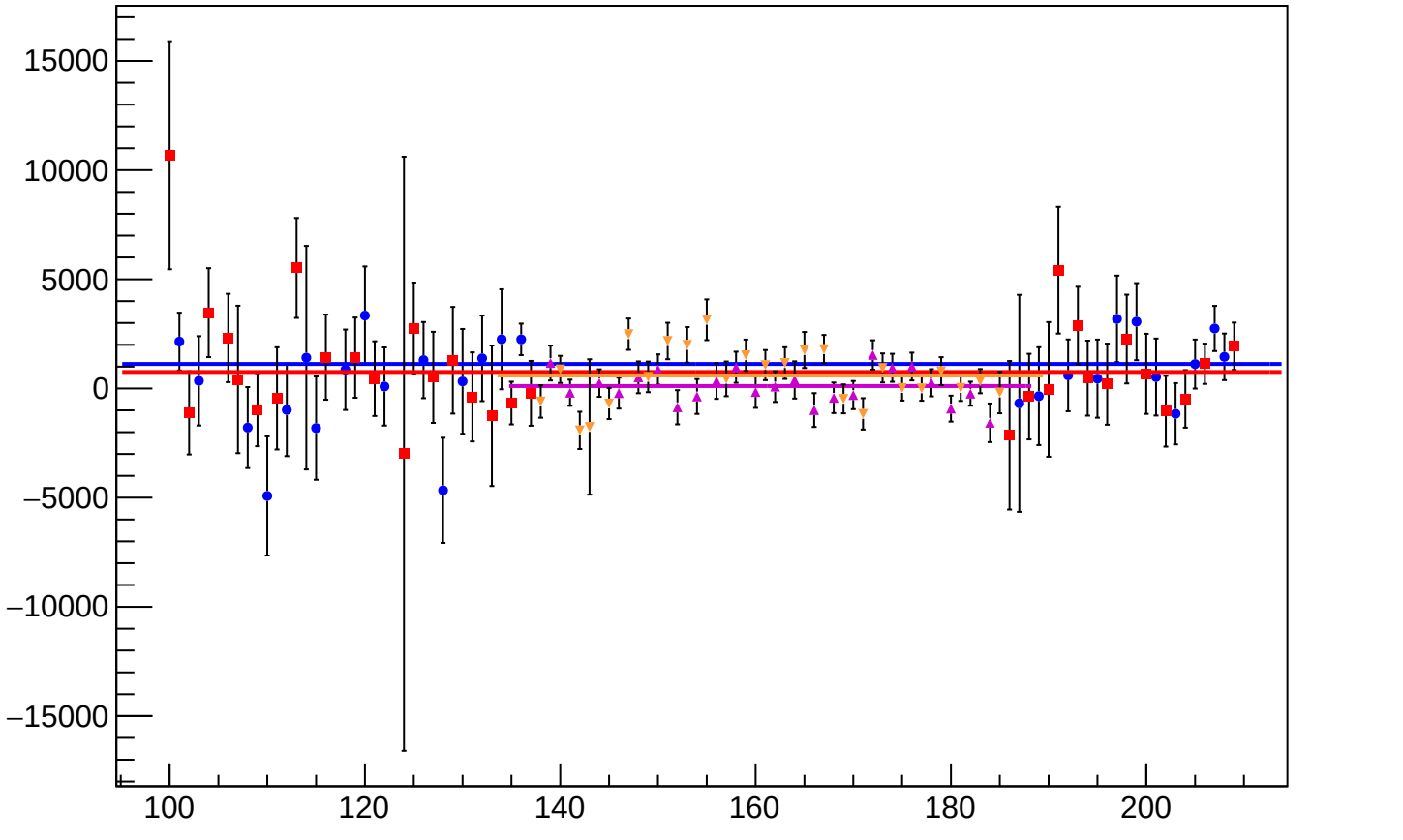
Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.5/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

\+ sign 1244.118+/-0.149 χ^2/NDF: 677343.9/51

All: 1251.084+/-0.106 χ^2/NDF: 1099561.8/10

\- sign 1258.171+/-0.150 χ^2/NDF: 417808.5/54



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 755.952+/-315.740 χ^2/NDF: 26.5/31

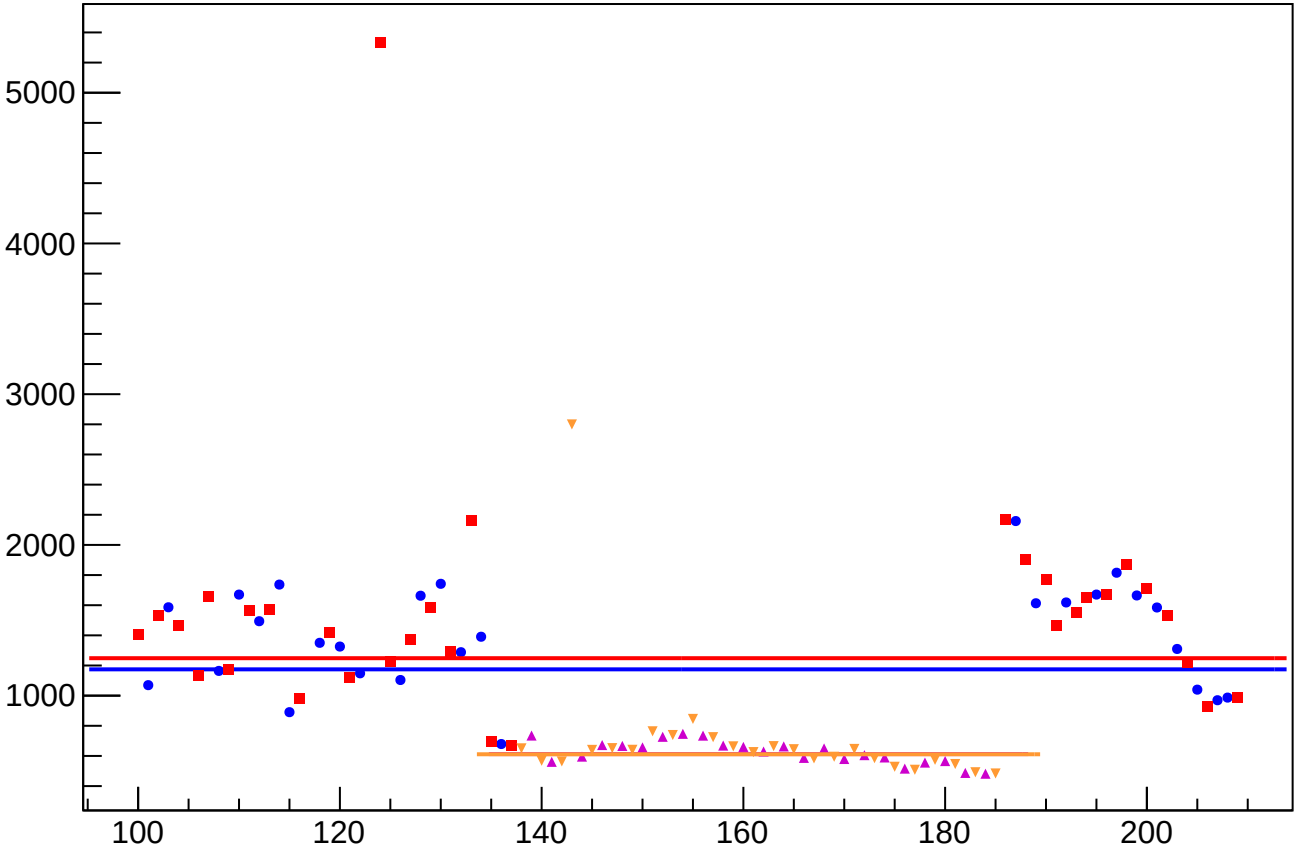
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 458.069+/-92.031 χ^2/NDF: 150.8/106

- sign 221.730+/-131.192 χ^2/NDF: 55.7/54

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.462+/-0.223 χ^2/NDF: 3024179.3/31

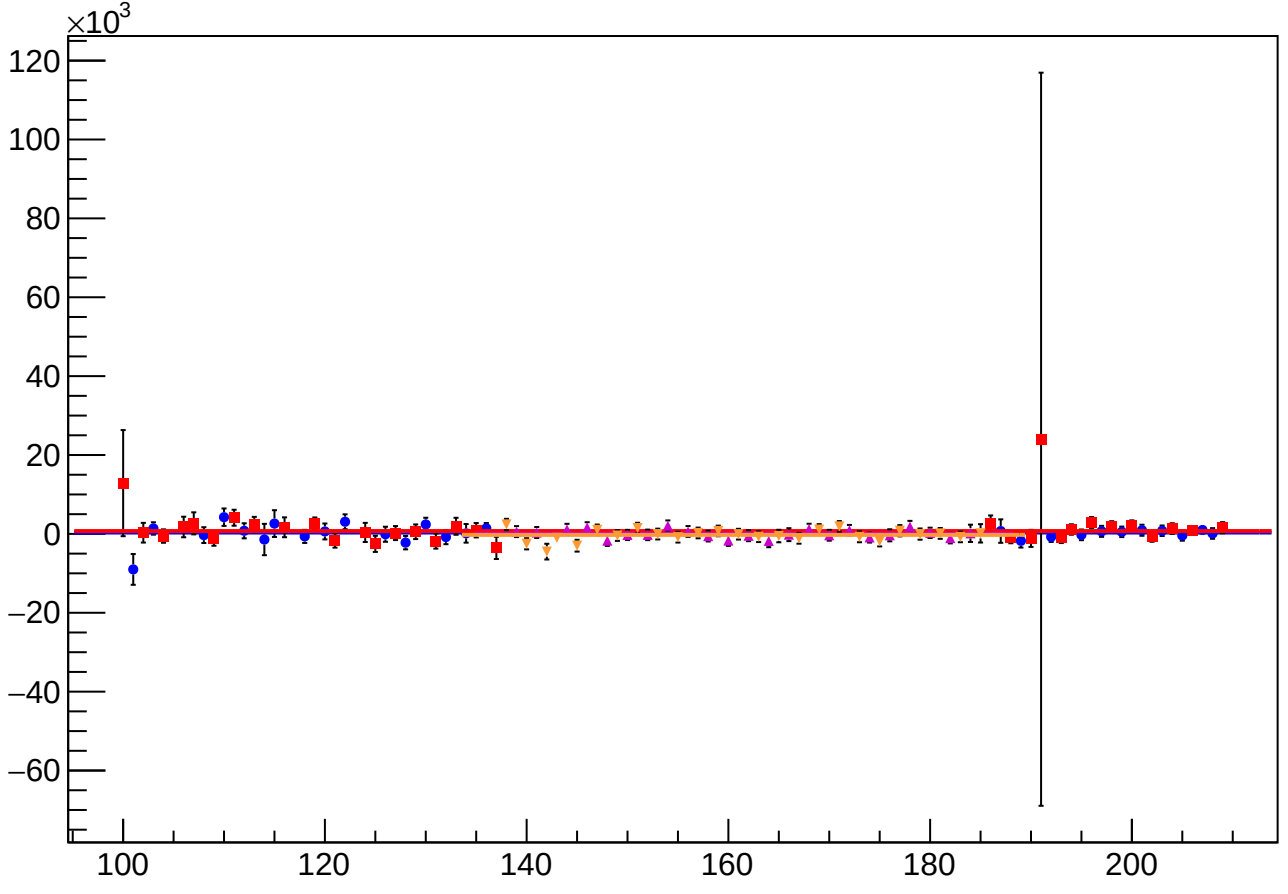
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669688.5/51

All: 715.709+/-0.065 χ^2/NDF: 1992740.4/10

- sign 722.213+/-0.093 χ^2/NDF: 10248035.0/54

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 716.571+/-310.600 χ^2/NDF: 27.2/31

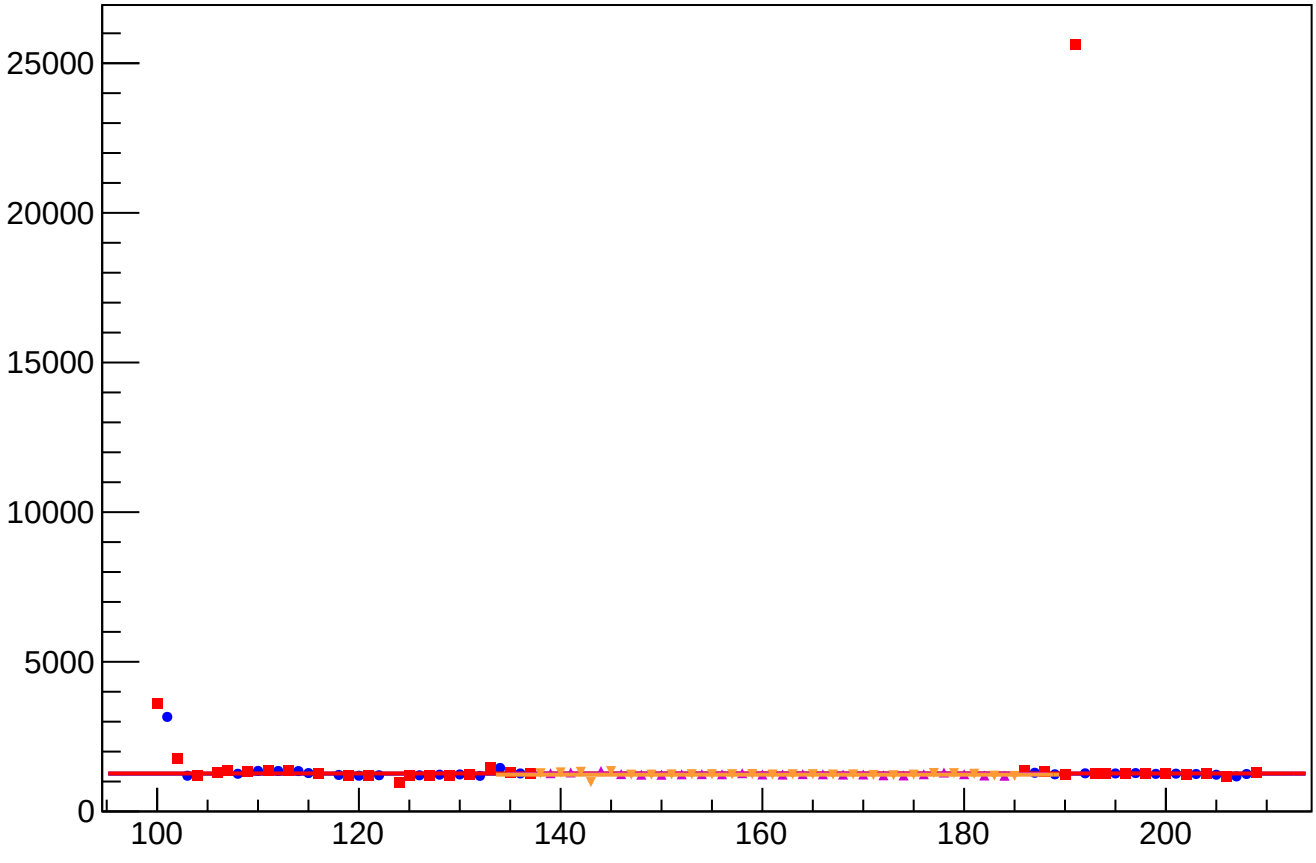
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.876+/-210.710 χ^2/NDF: 46.8/51

All: 190.528+/-149.636 χ^2/NDF: 91.8/106

- sign 375.344+/-212.537 χ^2/NDF: 43.5/54

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

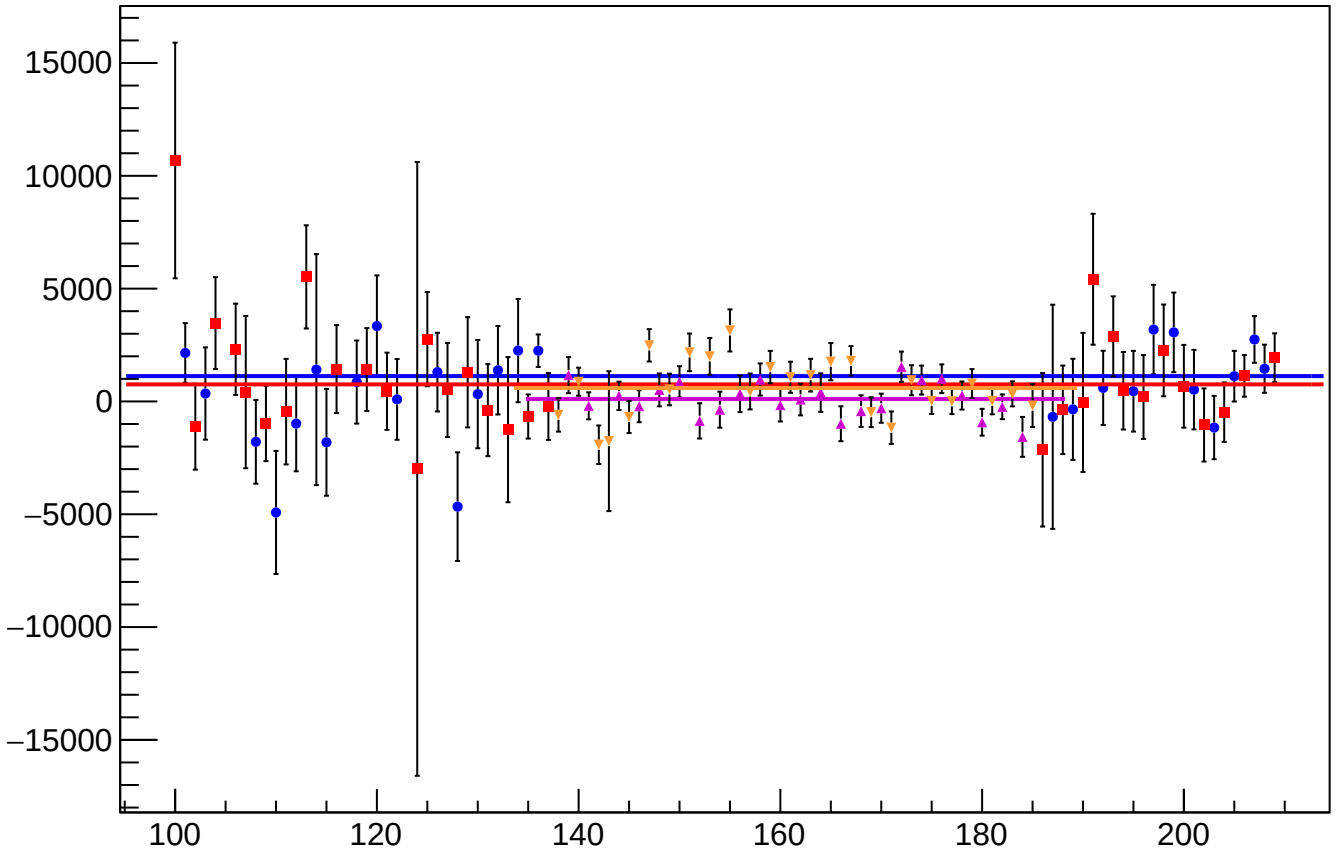
Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.3/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.0/51

All: 1251.083+/-0.106 χ^2/NDF: 1099560.7/10

- sign 1258.170+/-0.150 χ^2/NDF: 417808.3/54



Right In: 1122.507+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 755.957+/-315.740 χ^2/NDF: 26.5/31

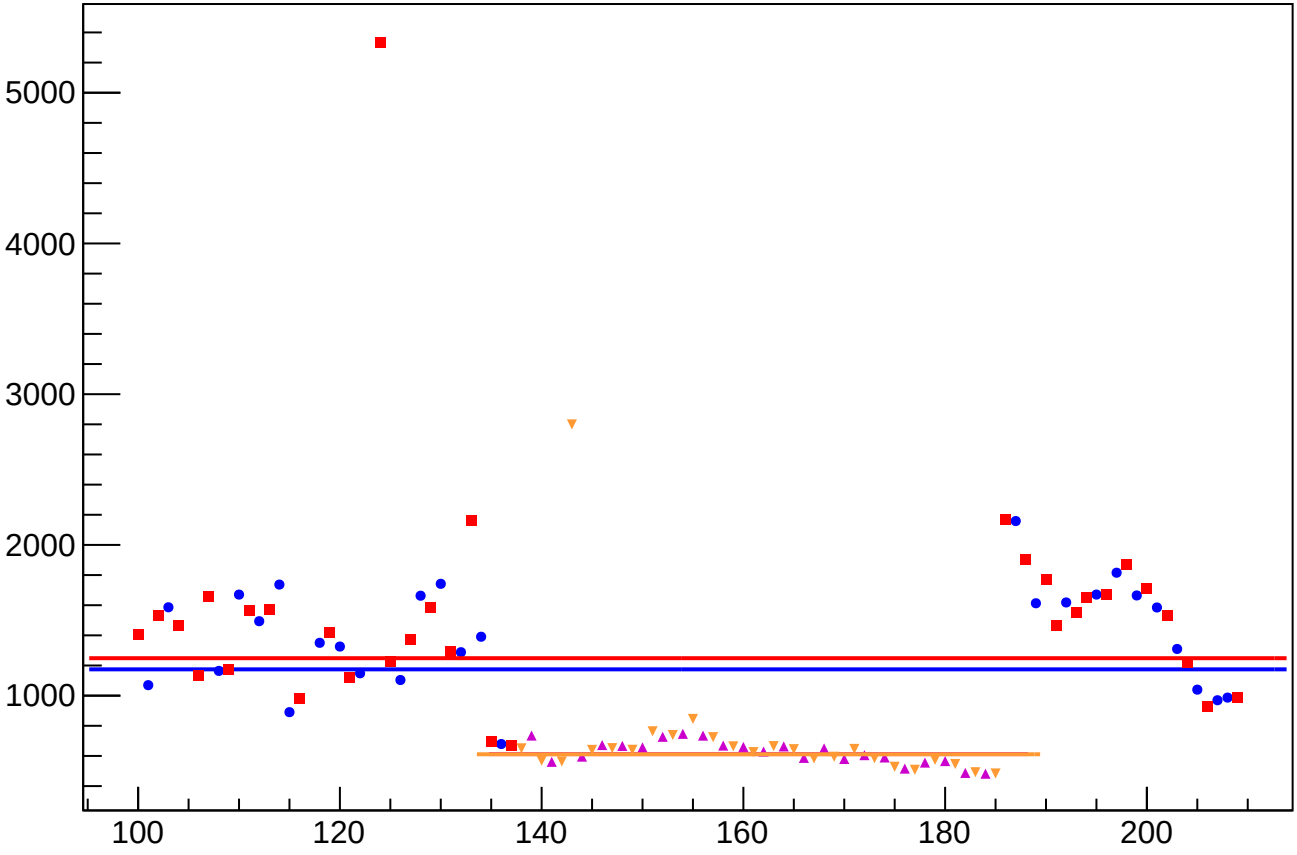
Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 458.069+/-92.031 χ^2/NDF: 150.8/106

\- sign 221.730+/-131.192 χ^2/NDF: 55.7/54

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.465+/-0.223 χ^2/NDF: 3024123.3/31

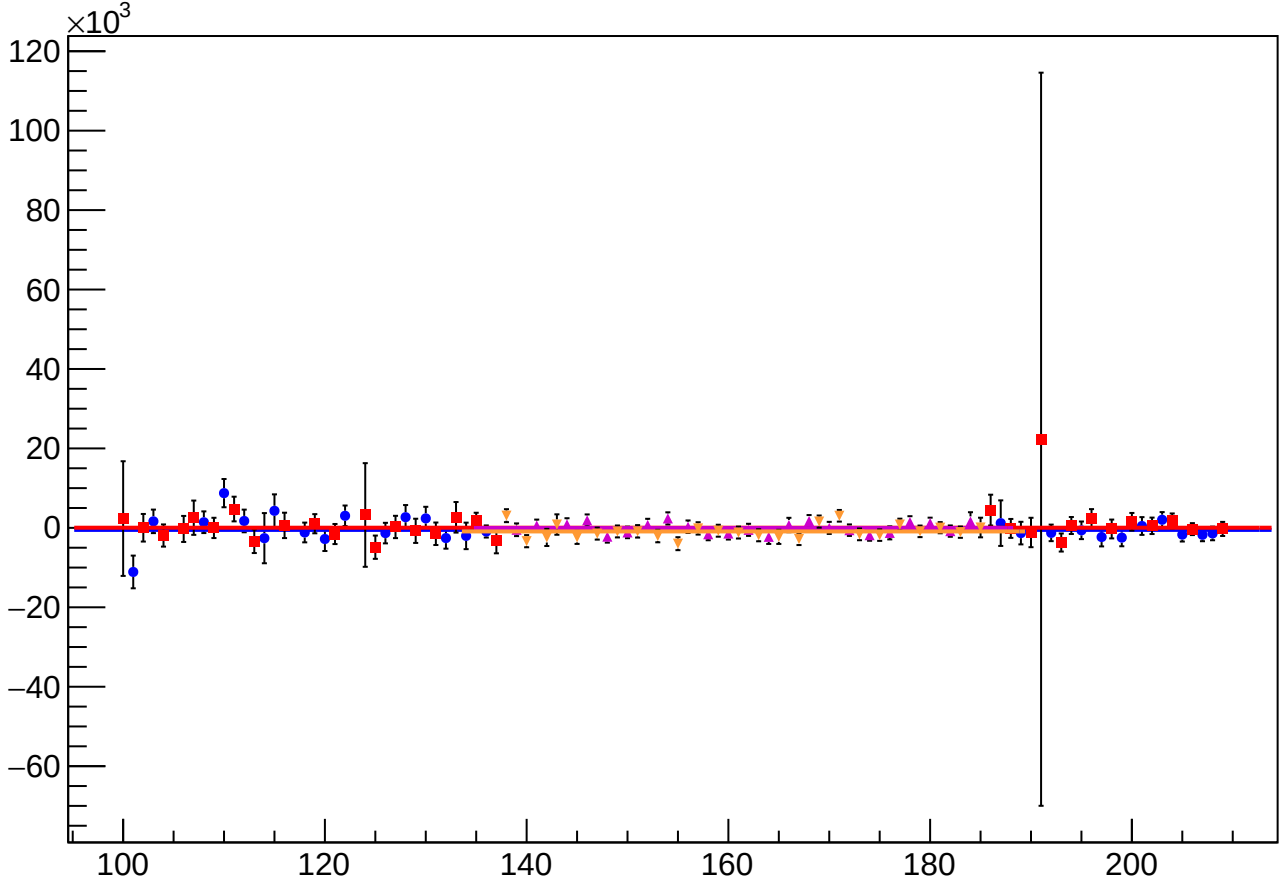
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669662.7/51

All: 715.709+/-0.065 χ^2/NDF: 1992738...

- sign 722.212+/-0.093 χ^2/NDF: 10248046.3/54

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 37.371+/-465.486 χ^2/NDF: 17.3/31

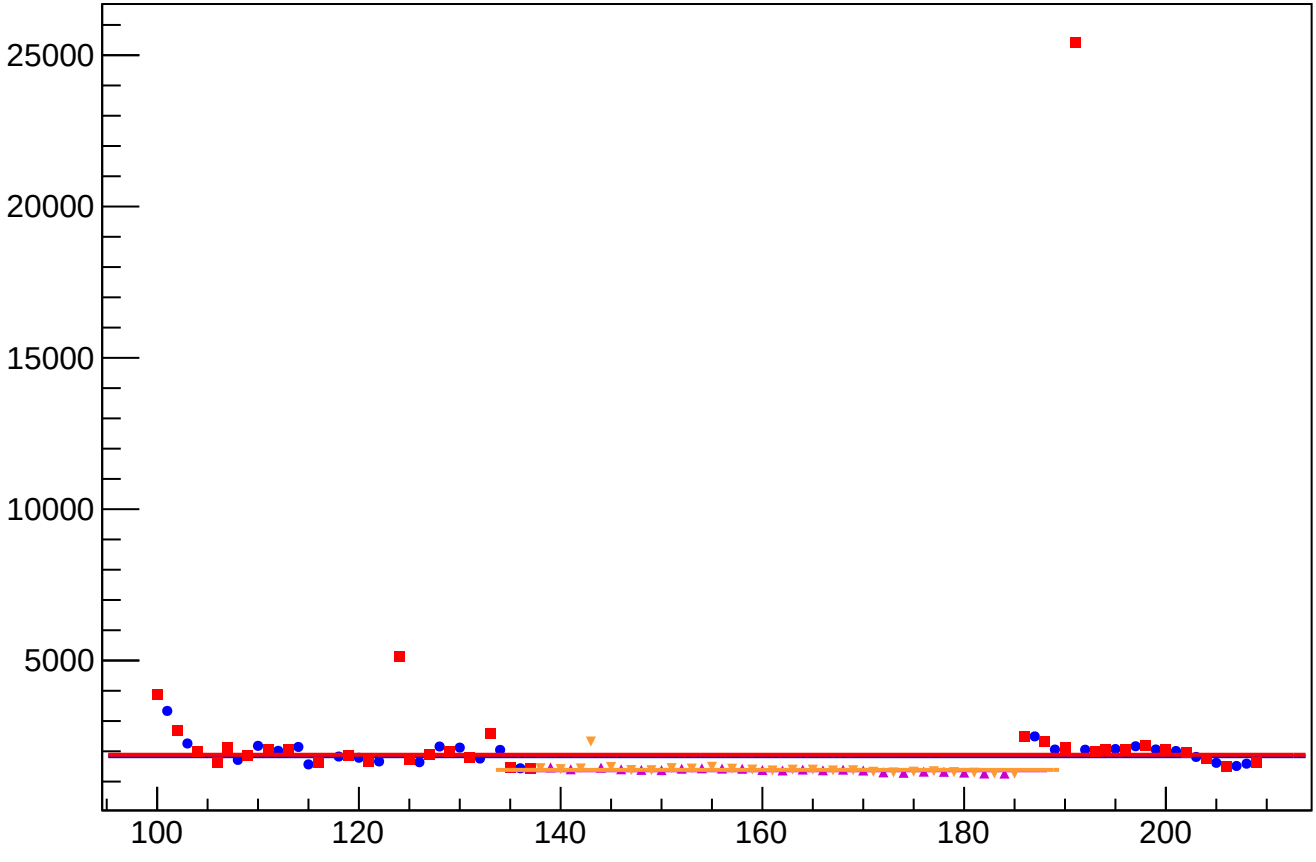
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -779.622+/-262.339 χ^2/NDF: 57.3/51

All: -402.828+/-186.162 χ^2/NDF: 96.6/106

- sign -20.615+/-264.218 χ^2/NDF: 35.2/54

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

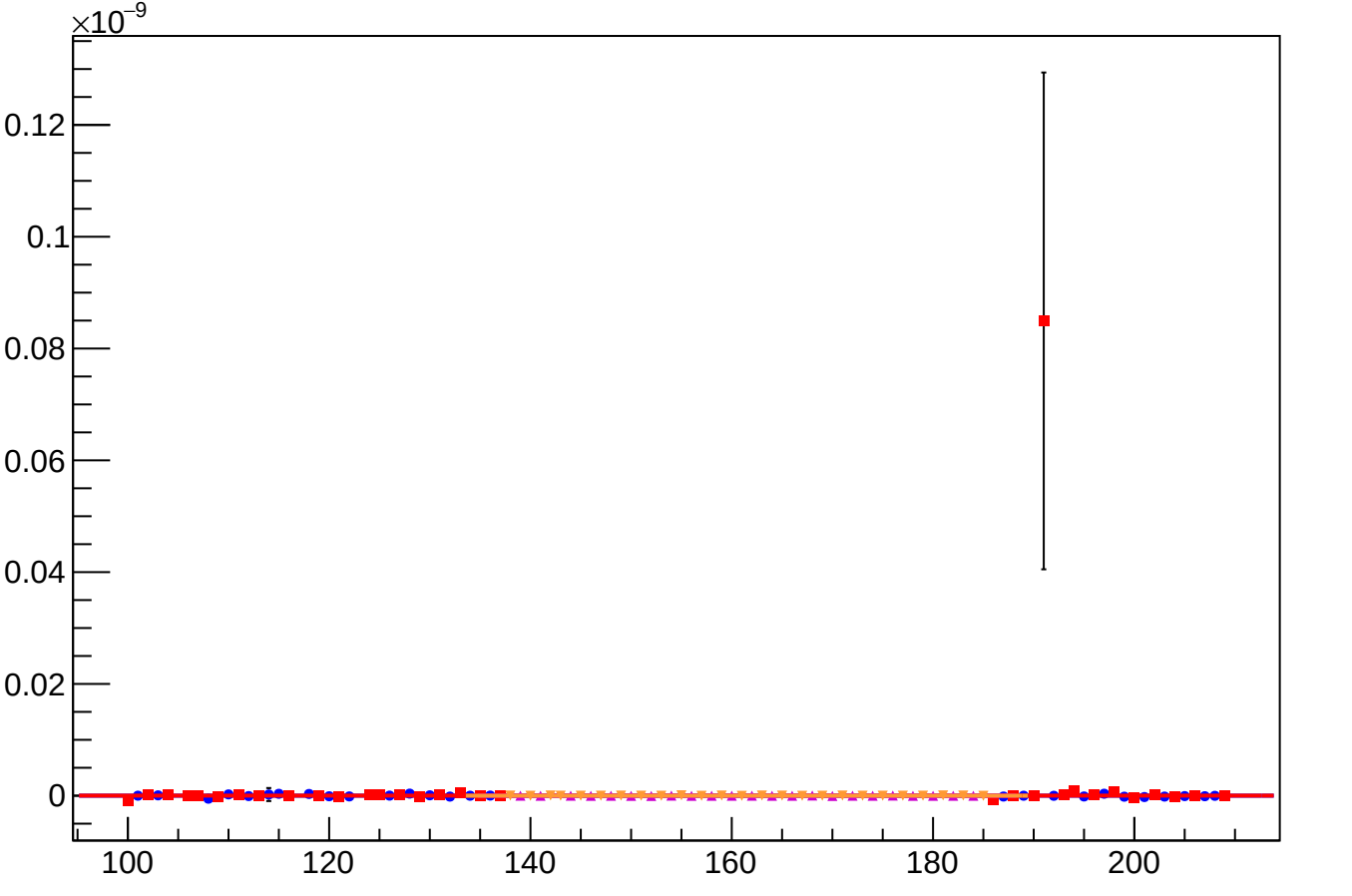
Right Out: 1886.370+/-0.329 χ^2/NDF: 1038495.5/31

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1527.990+/-0.186 χ^2/NDF: 2475277.4/51

All: 1533.232+/-0.132 χ^2/NDF: 5227334.6/10

- sign 1538.550+/-0.187 χ^2/NDF: 2750448.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

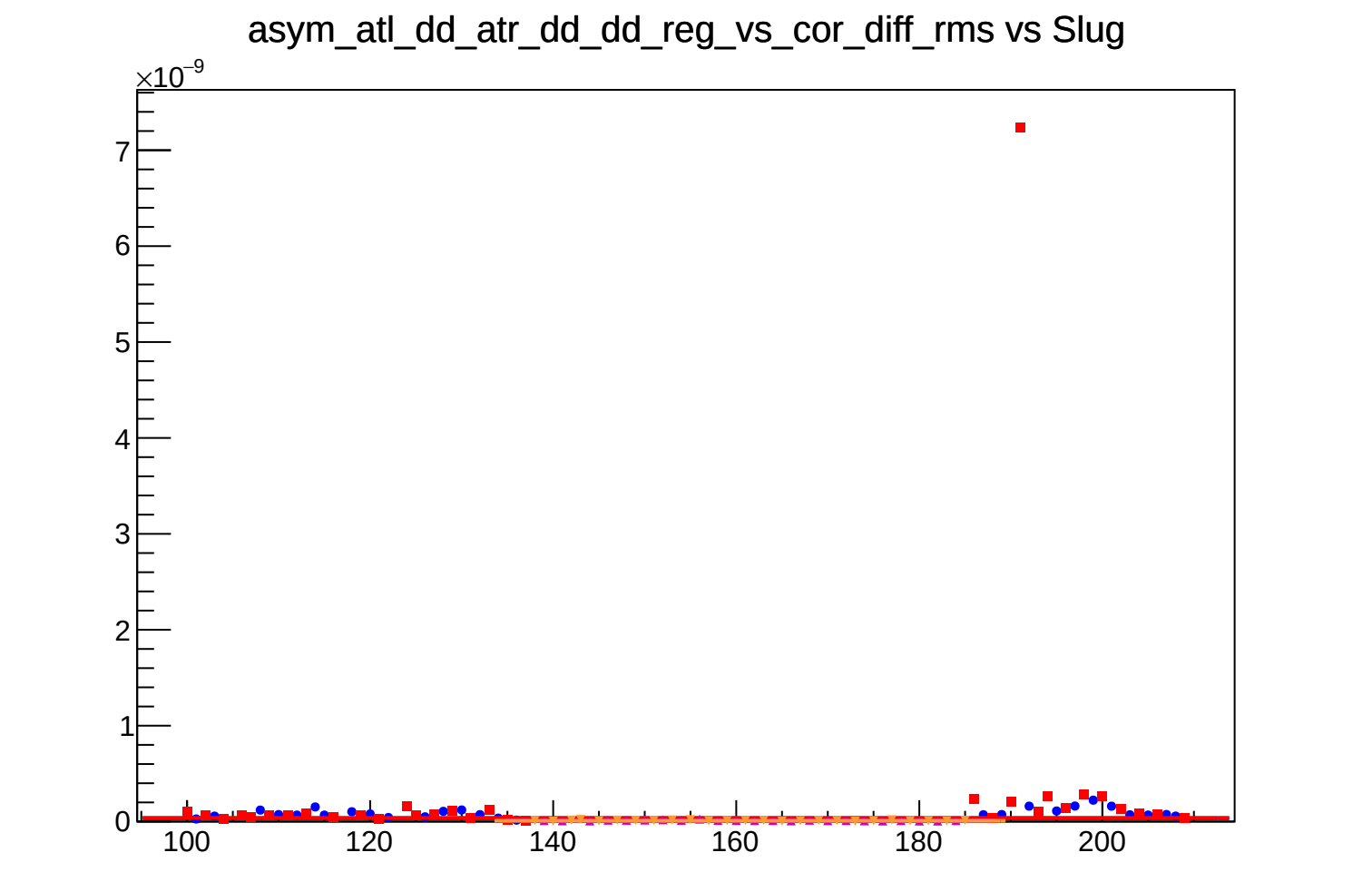
Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/31

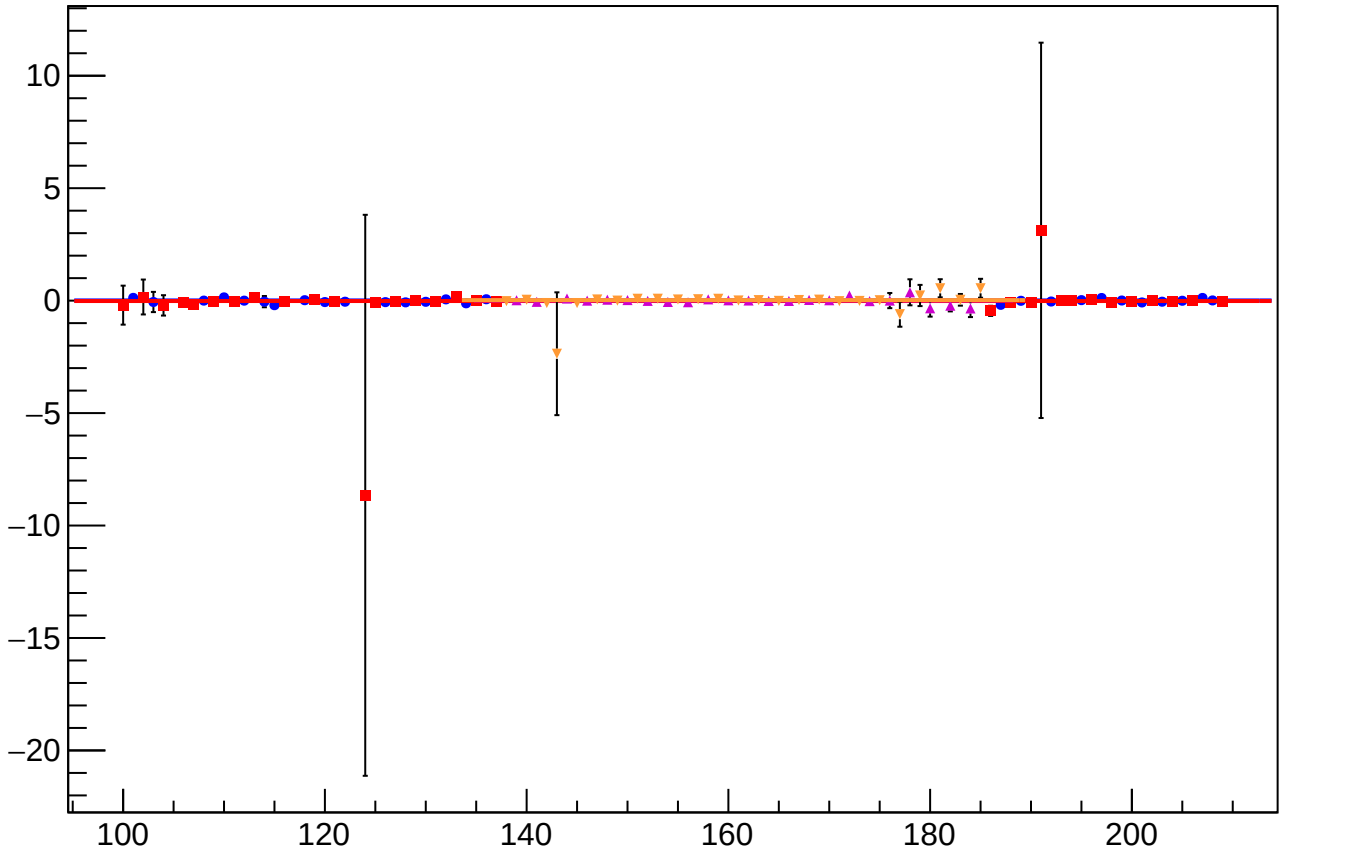
Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.9/51

All: 0.000+/-0.000 χ^2/NDF: 109.4/106

- sign -0.000+/-0.000 χ^2/NDF: 60.9/54


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6001472.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6427117.5/31
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
+ sign 0.000+/-0.000 χ²/NDF: 12239215.0/51
All: 0.000+/-0.000 χ²/NDF: 24354555.5/106
- sign 0.000+/-0.000 χ²/NDF: 11828175.4/54



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

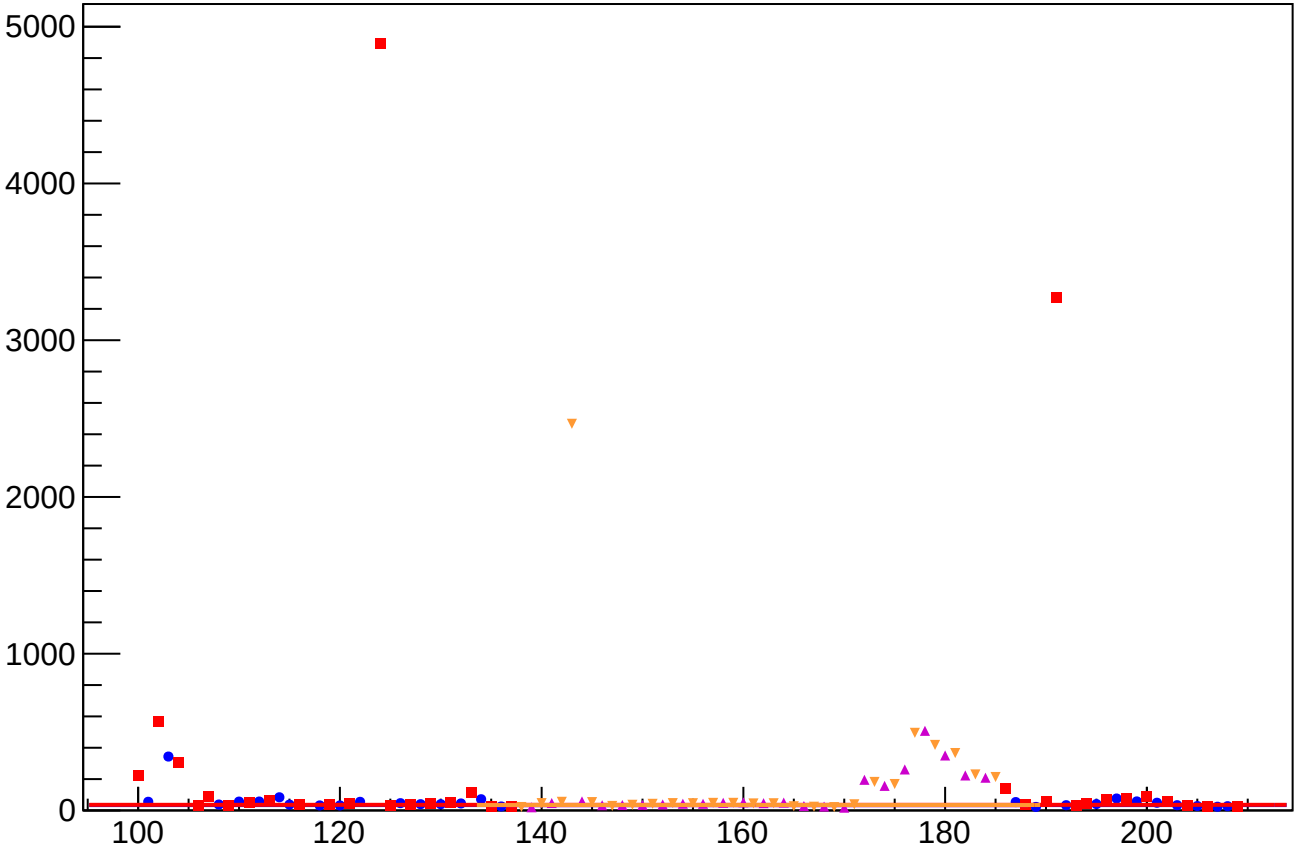
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

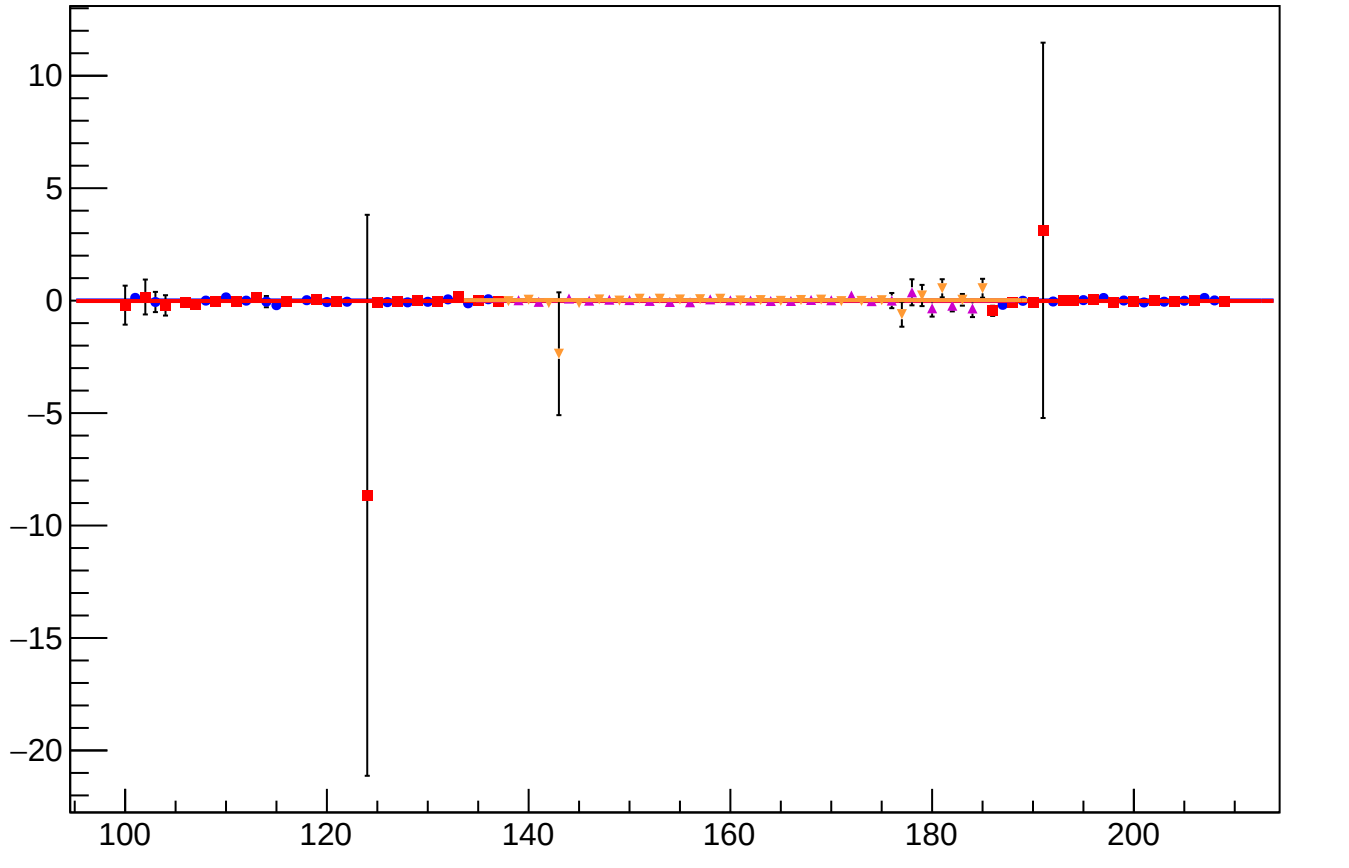
Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106

\- sign 34.715+/-0.005 χ^2/NDF: 16458089.6/54



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

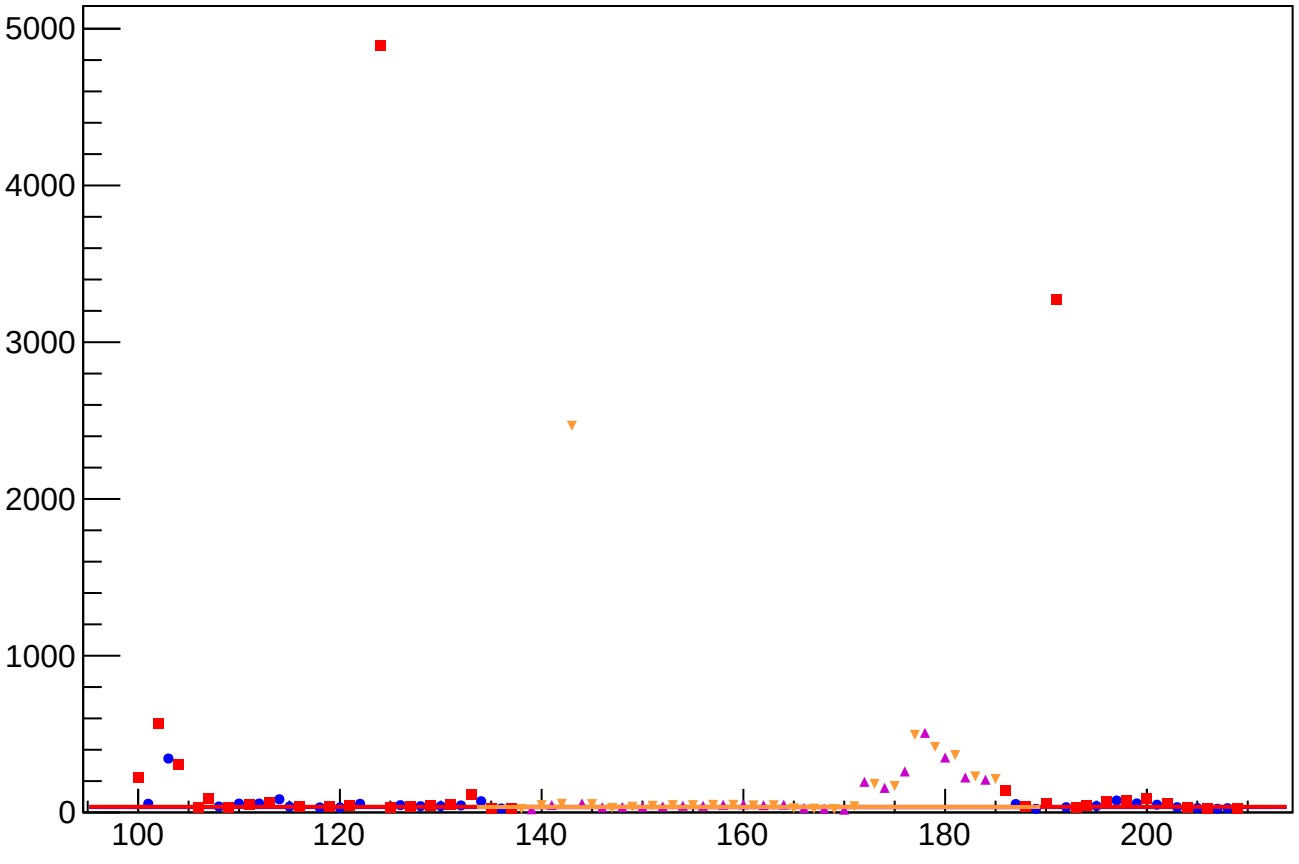
Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

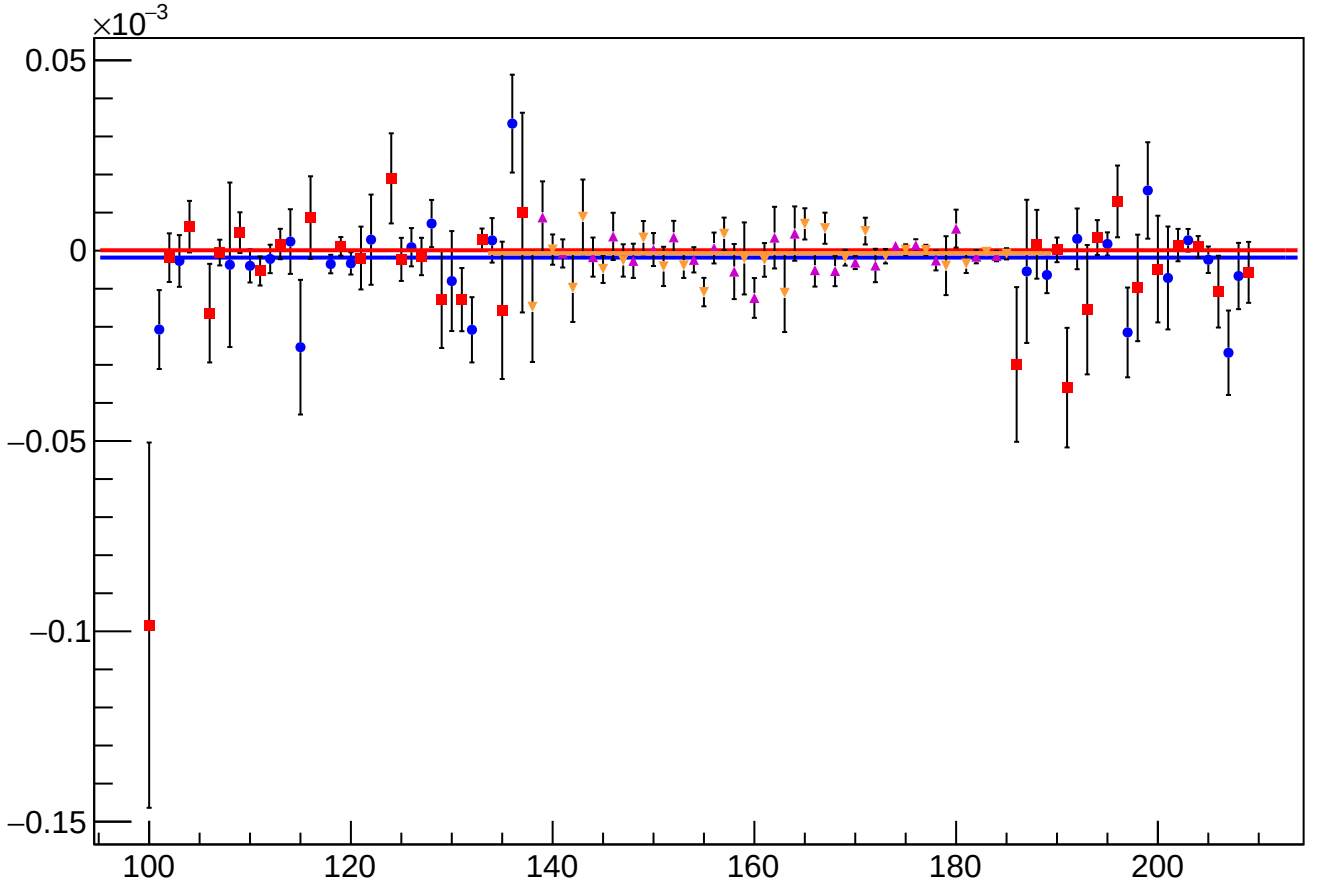
Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106

- sign 34.715+/-0.005 χ^2/NDF: 16458089.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

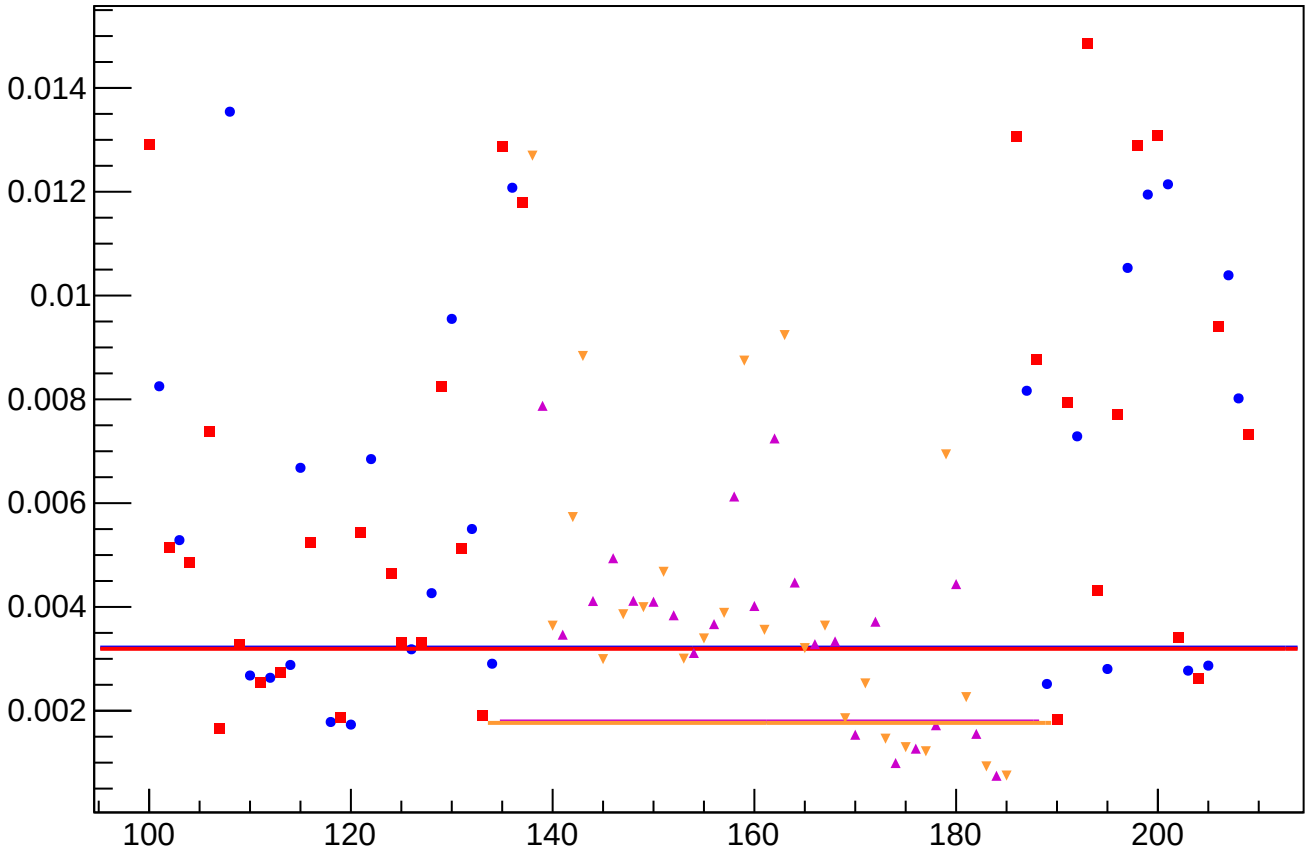
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/31

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/51

All: -0.000+/-0.000 χ^2/NDF: 122.1/106

- sign -0.000+/-0.000 χ^2/NDF: 54.7/54



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

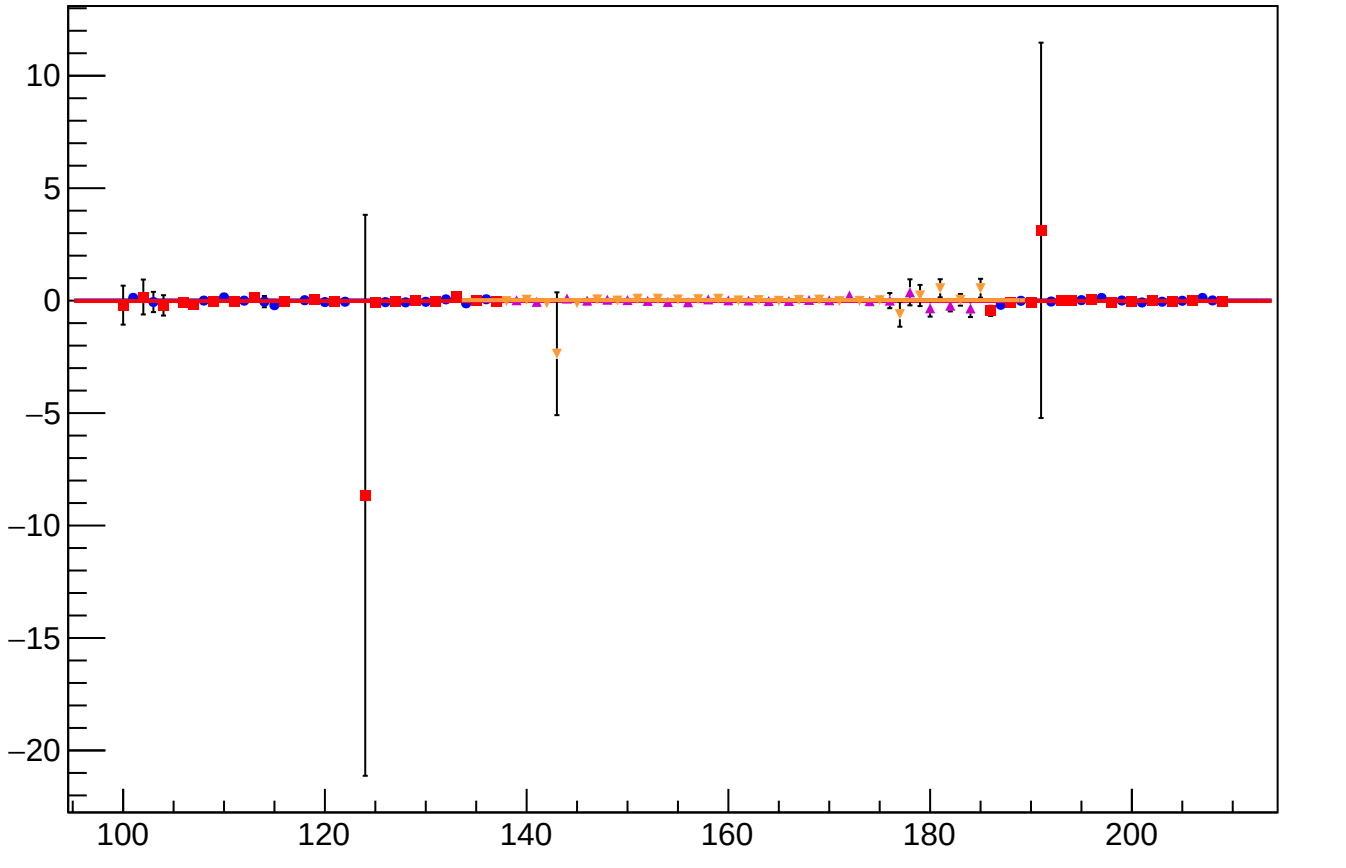
Right Out: 0.003+/-0.000 χ^2/NDF: 10298042.8/31

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 25371712.7/51

All: 0.002+/-0.000 χ^2/NDF: 49757107.3/106

- sign 0.002+/-0.000 χ^2/NDF: 24358555.0/54



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

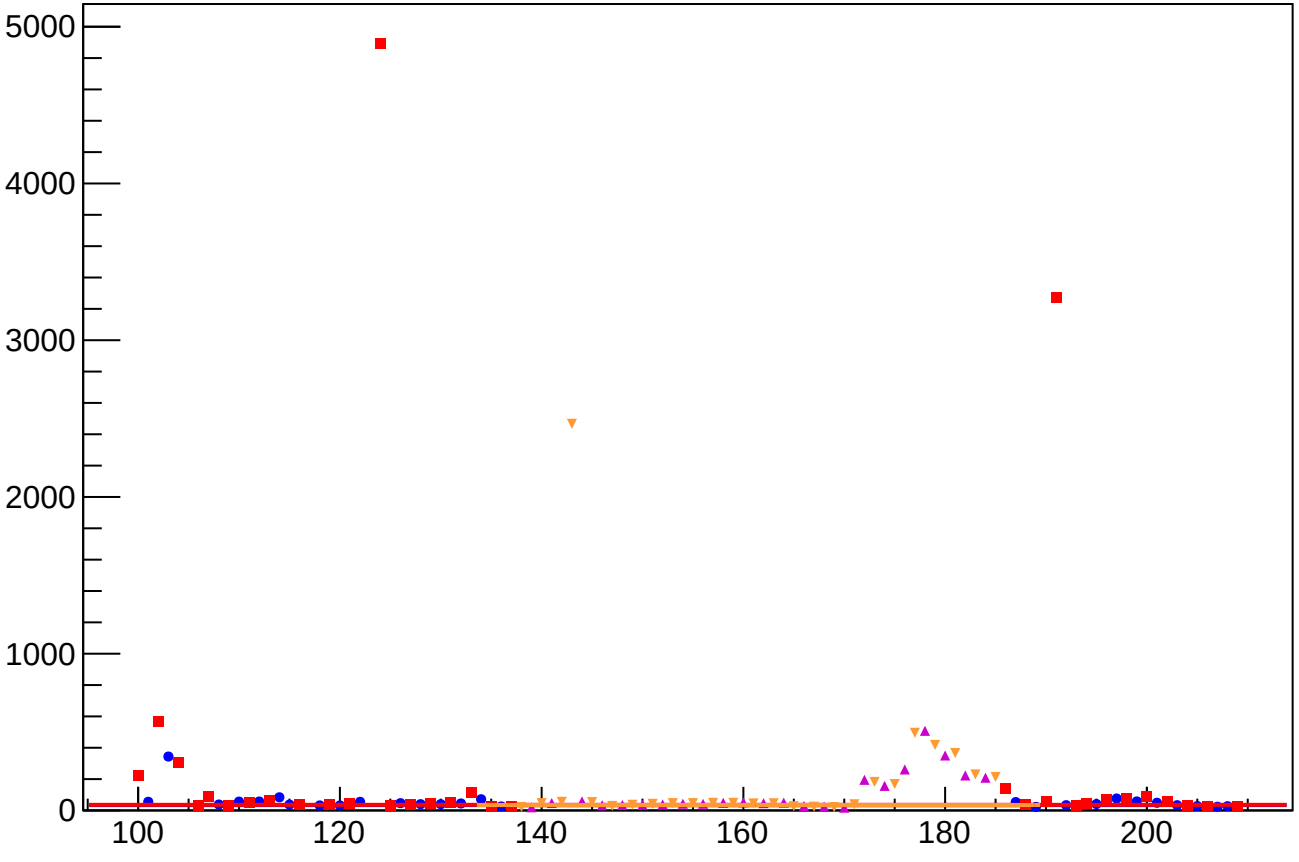
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

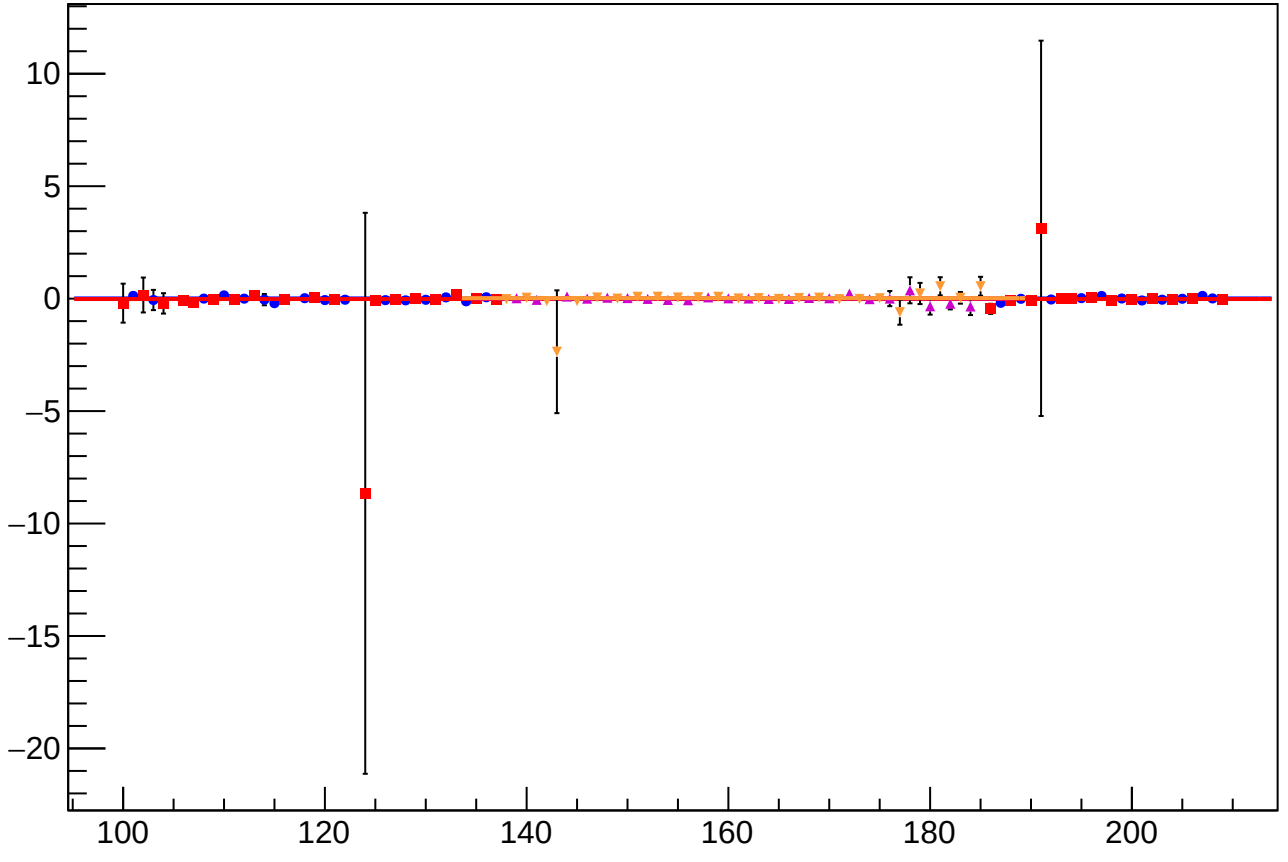
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106

- sign 34.716+/-0.005 χ^2/NDF: 16456685.1/54

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

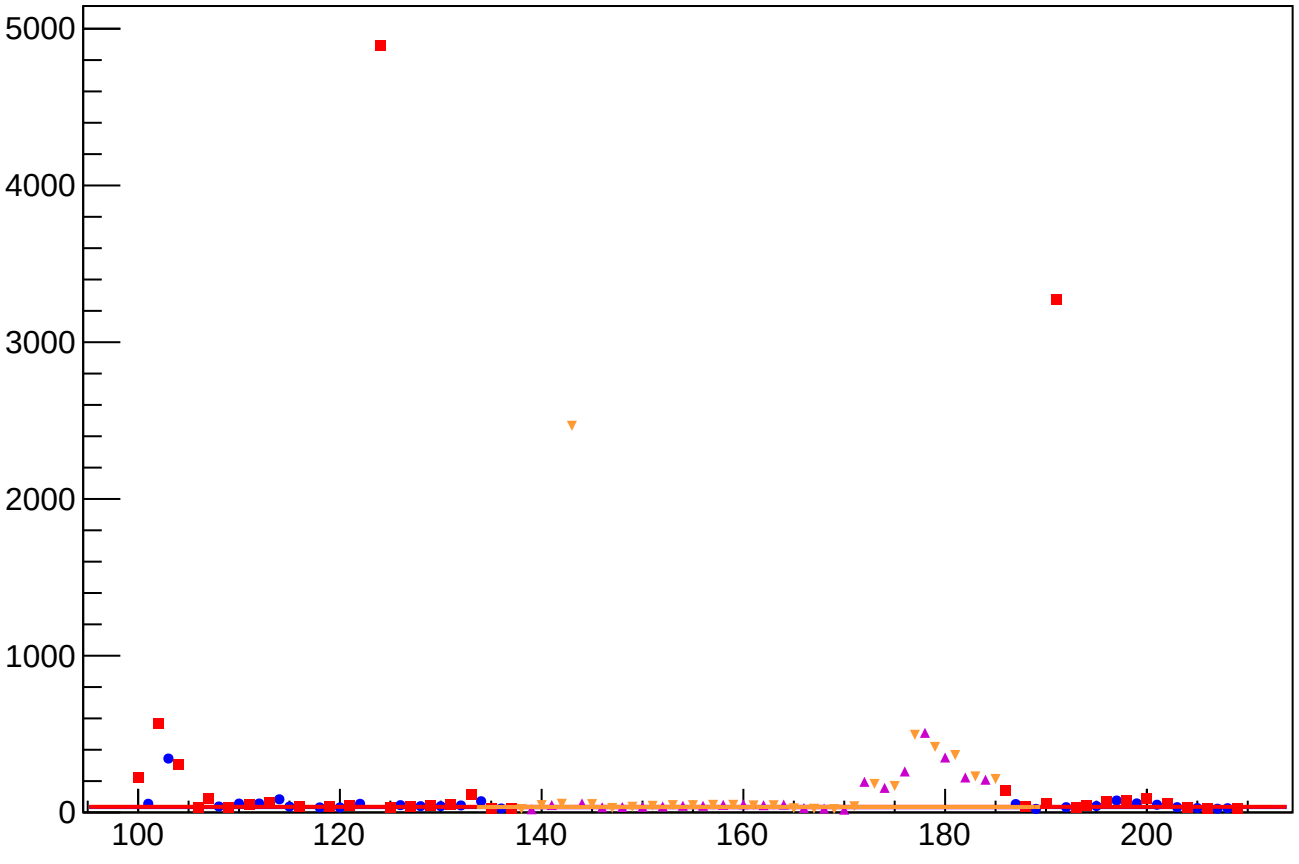
Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

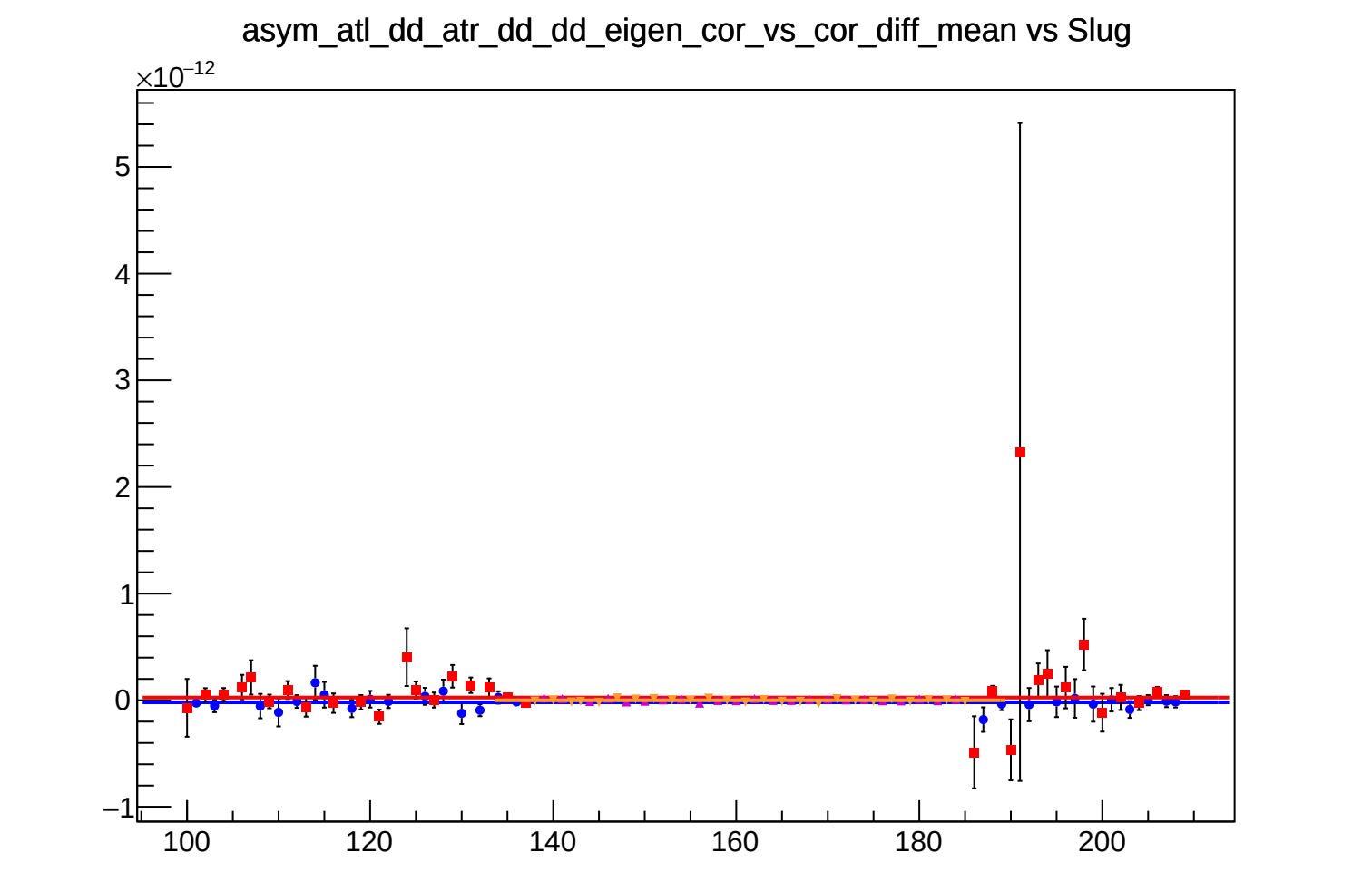
Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

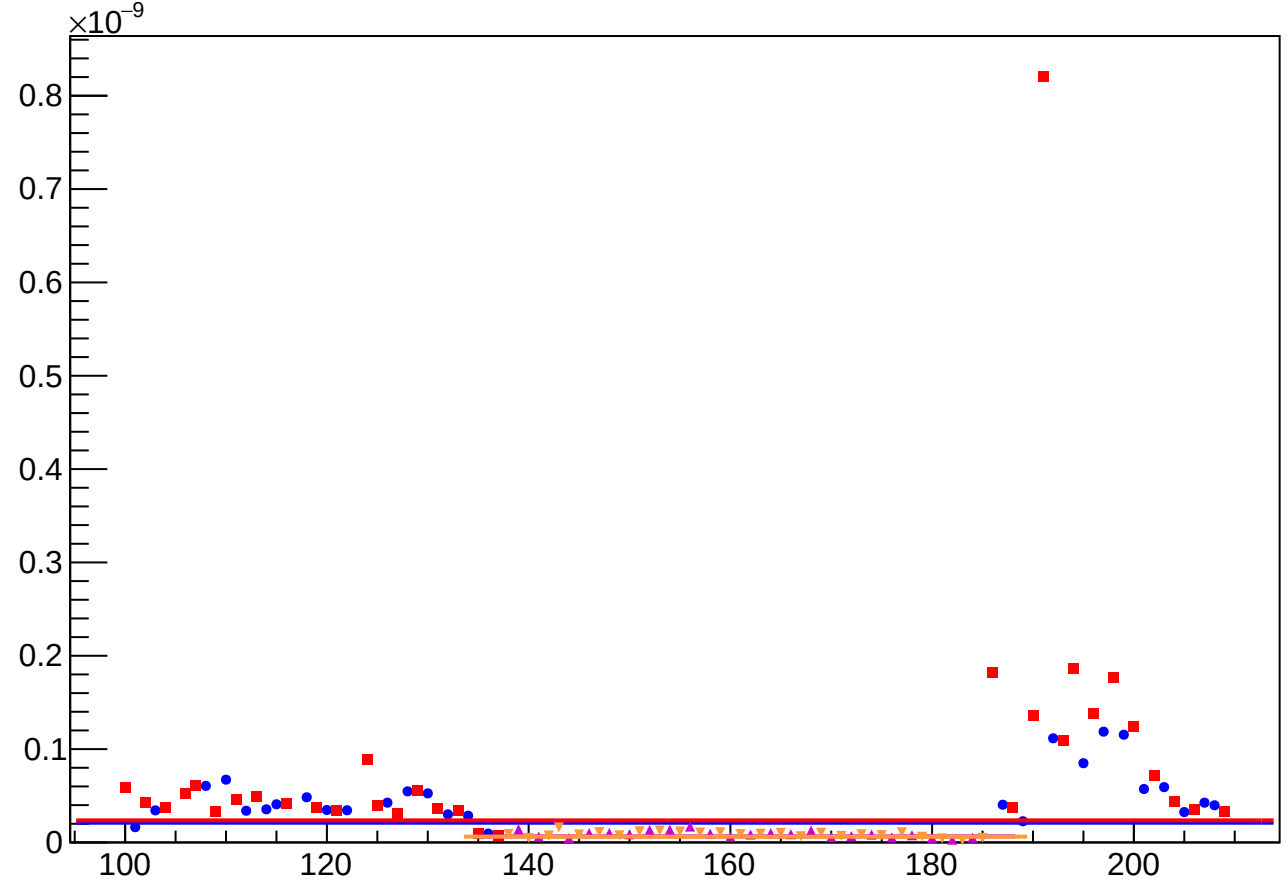
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106

- sign 34.716+/-0.005 χ^2/NDF: 16456685.1/54


asym_atl_dd_atr_dd_dd_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: 11.5/26
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.7/31
Left In: 0.000+/-0.000 χ²/NDF:20.0/22
+ sign -0.000+/-0.000 χ²/NDF: 41.8/51
All: 0.000+/-0.000 χ²/NDF: 114.0/106
- sign 0.000+/-0.000 χ²/NDF: 70.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9706153.7/31

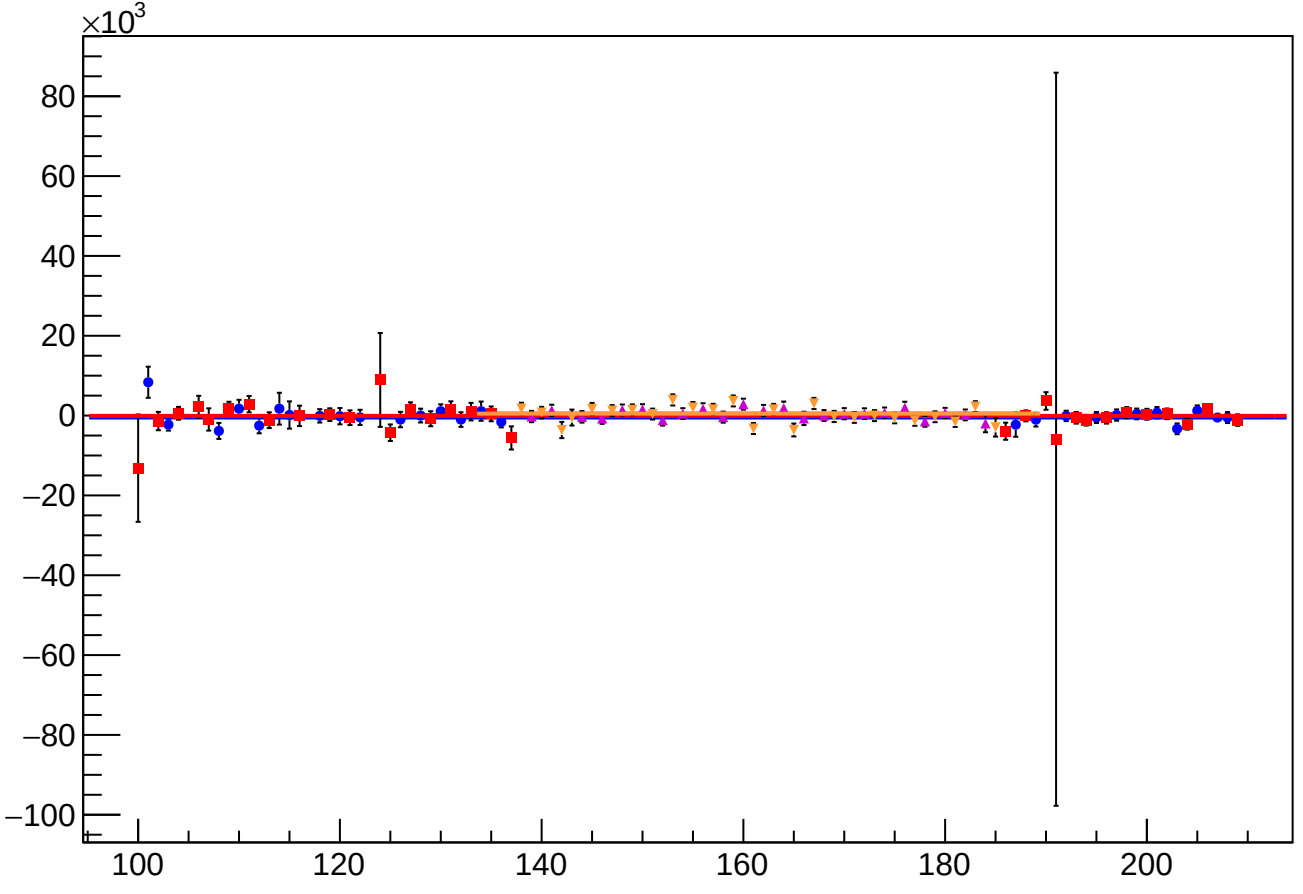
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17504179.0/51

All: 0.000+/-0.000 χ^2/NDF: 36941398.2/106

- sign 0.000+/-0.000 χ^2/NDF: 19410451.7/54

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -72.414+/-315.956 χ^2/NDF: 28.6/31

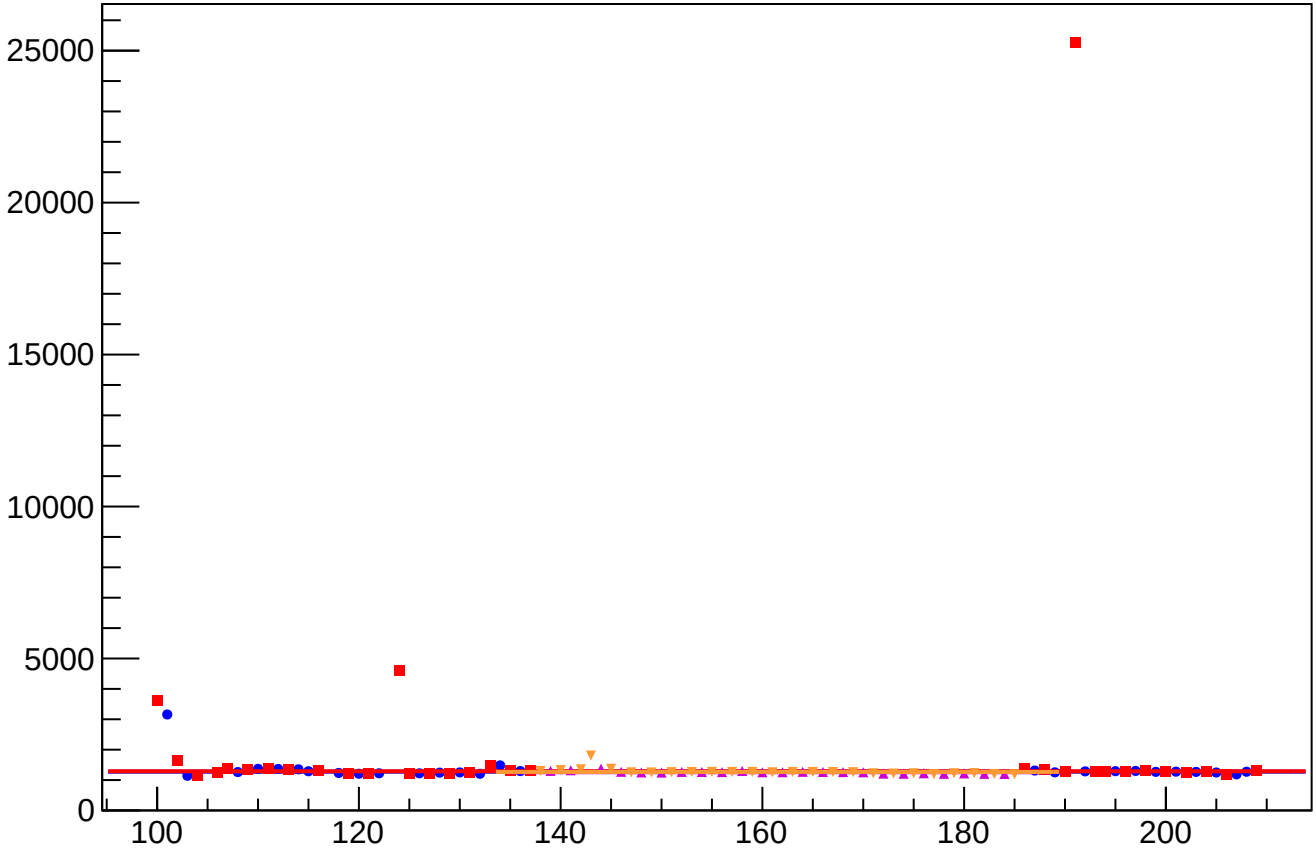
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.988+/-215.328 χ^2/NDF: 73.8/51

All: 144.829+/-152.194 χ^2/NDF: 118.8/106

- sign 227.527+/-215.143 χ^2/NDF: 44.7/54

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

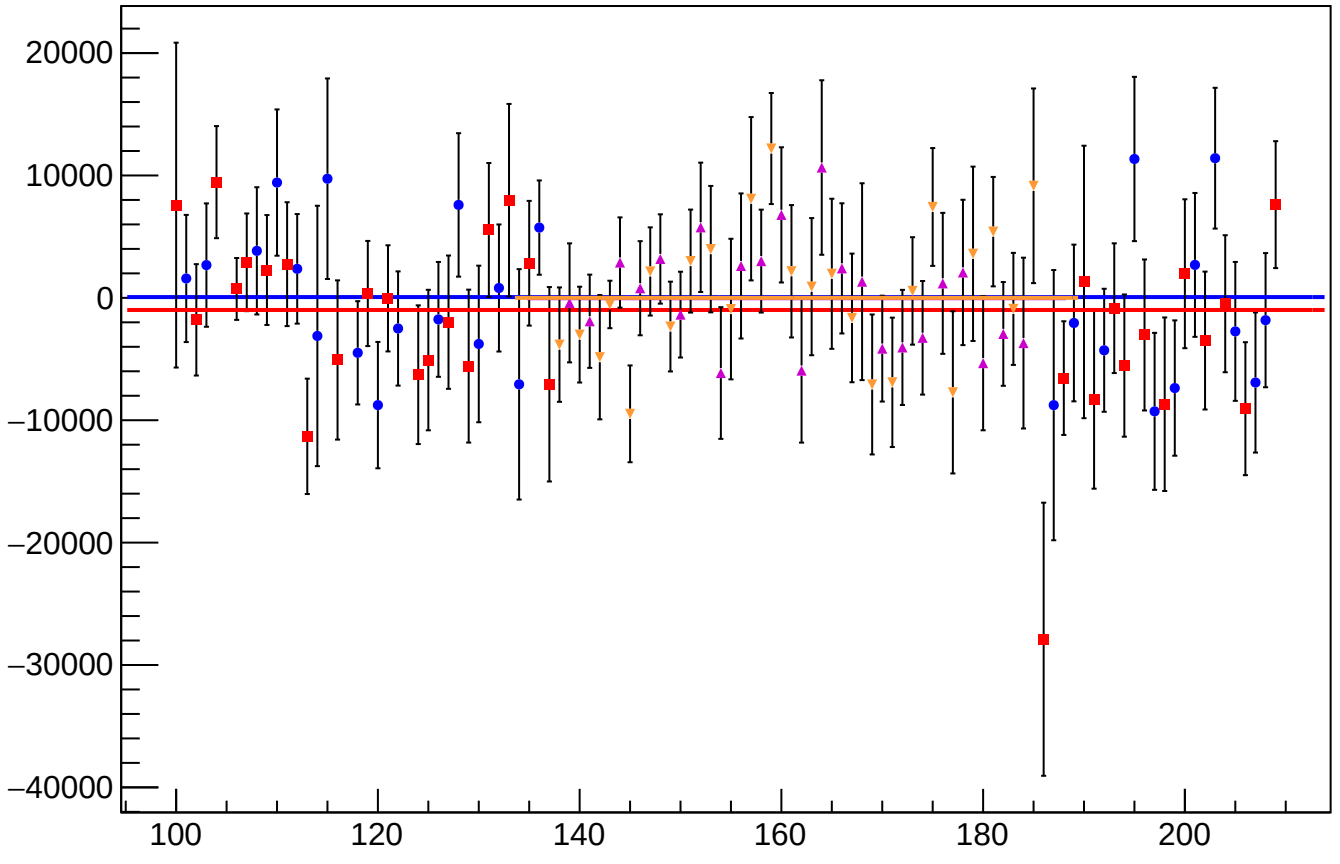
Right Out: 1288.848+/-0.223 χ^2/NDF: 482656.1/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716796.8/51

All: 1271.571+/-0.108 χ^2/NDF: 1246828.5/10

- sign 1272.079+/-0.152 χ^2/NDF: 530009.3/54



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

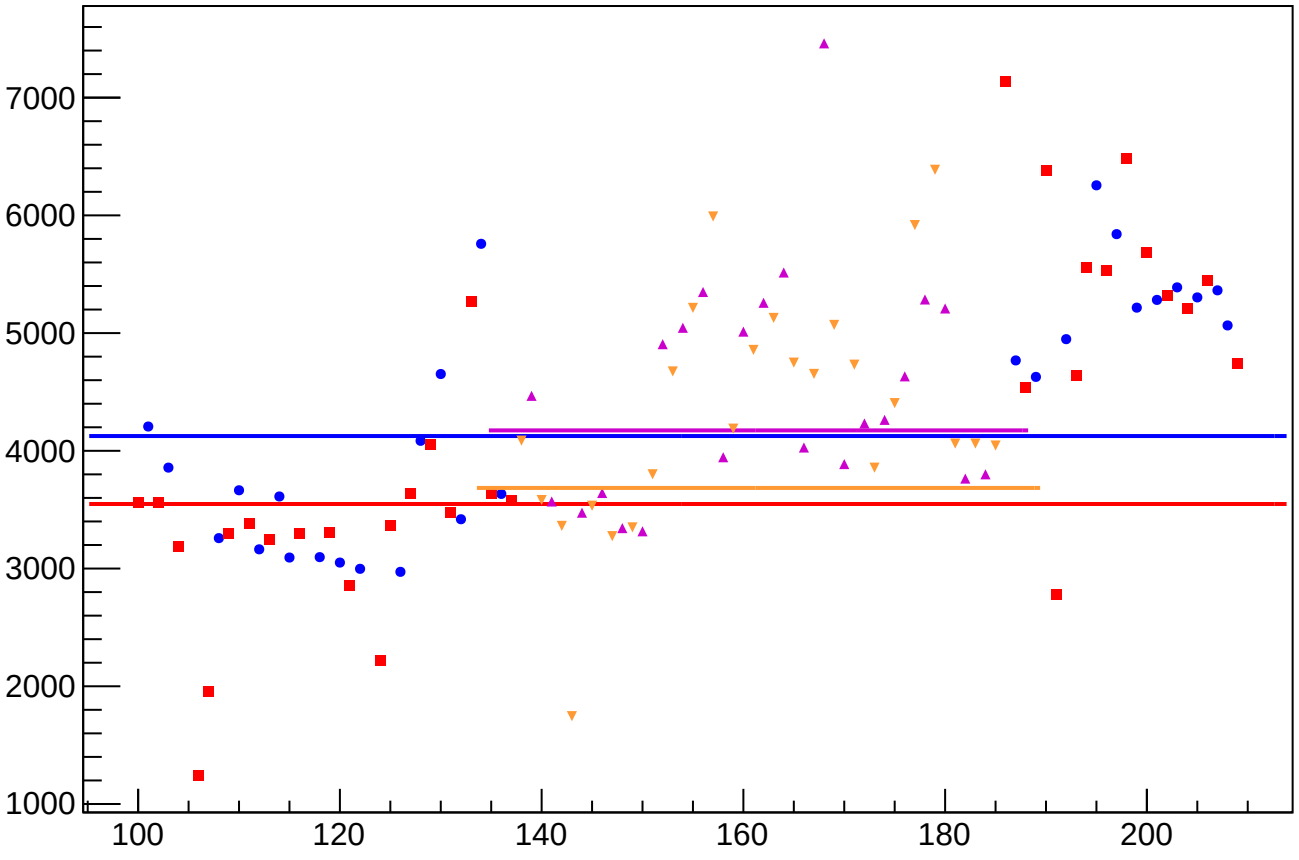
Right Out: -990.257+/-926.828 χ^2/NDF: 34.9/31

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 25.399+/-682.434 χ^2/NDF: 57.6/51

All: -261.562+/-481.085 χ^2/NDF: 107.4/106

- sign -545.055+/-678.298 χ^2/NDF: 49.4/54



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3548.368+/-0.655 χ^2/NDF: 4589244.6/31

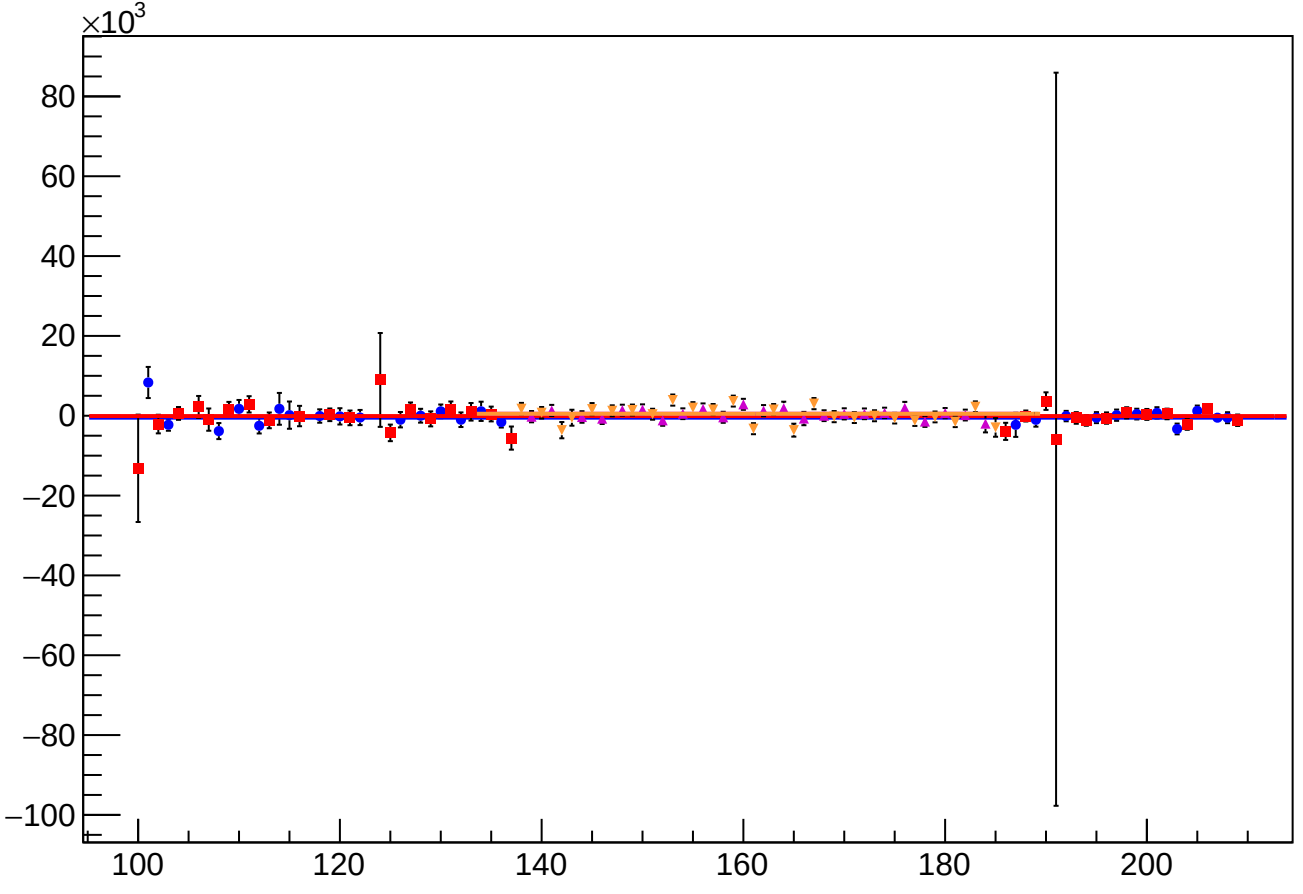
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3864.338+/-0.483 χ^2/NDF: 5591212.3/51

All: 3851.443+/-0.340 χ^2/NDF: 11879458.5/1

- sign 3838.704+/-0.480 χ^2/NDF: 6286826.8/54

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -84.649+/-316.044 χ^2/NDF: 29.0/31

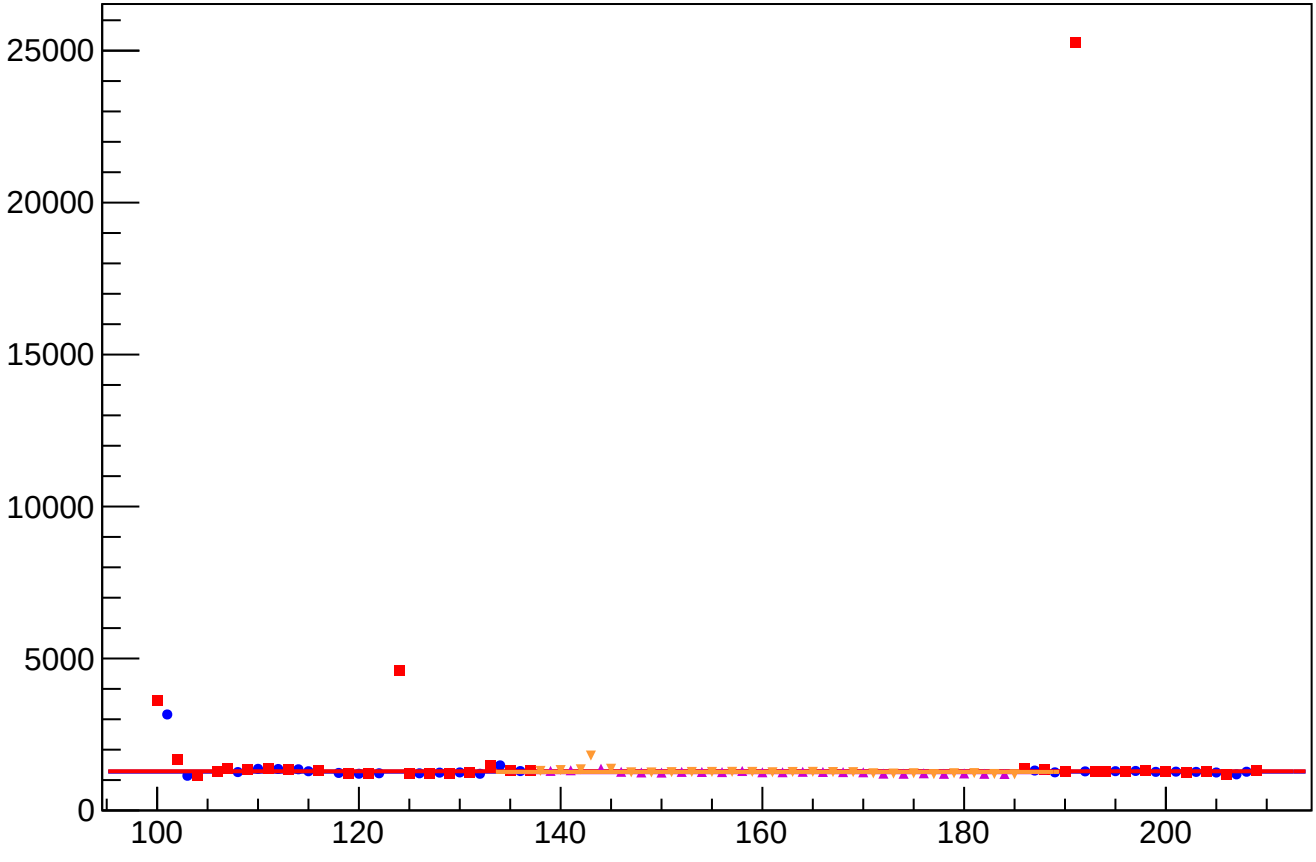
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 141.965+/-152.204 χ^2/NDF: 119.3/106

- sign 221.879+/-215.170 χ^2/NDF: 45.2/54

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

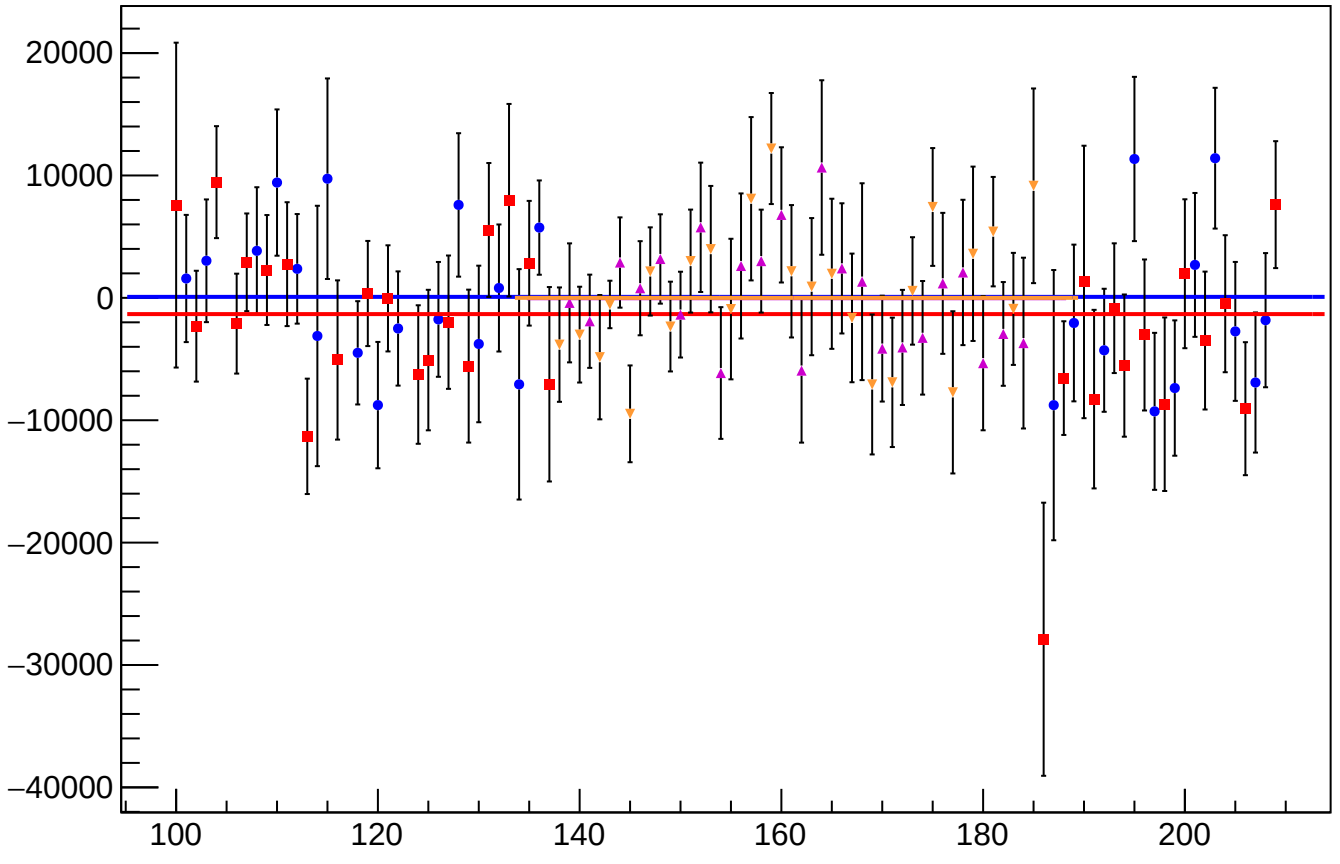
Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

- sign 1272.460+/-0.152 χ^2/NDF: 537461.9/54



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

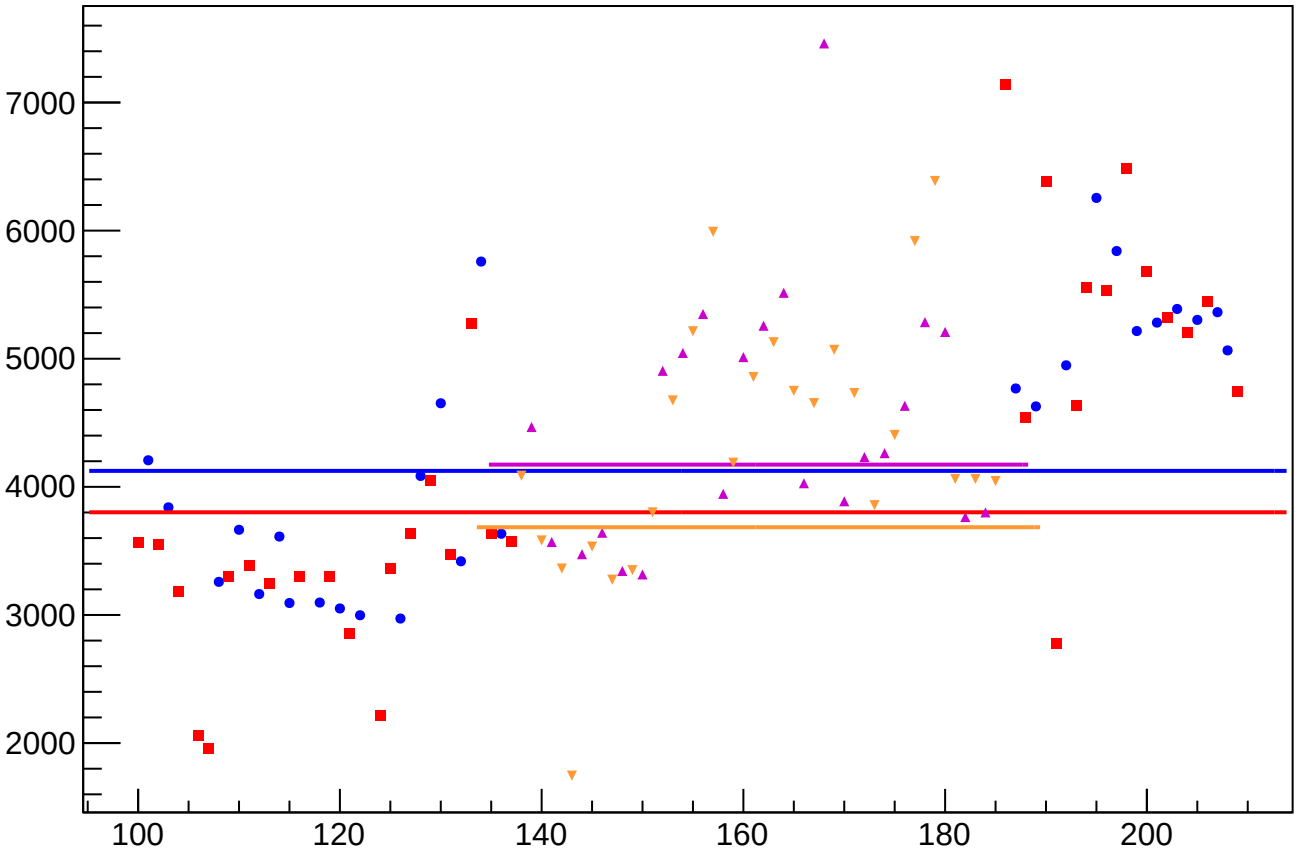
Right Out: -1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -326.680+/-486.480 χ^2/NDF: 107.6/106

- sign -697.836+/-693.741 χ^2/NDF: 49.4/54



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

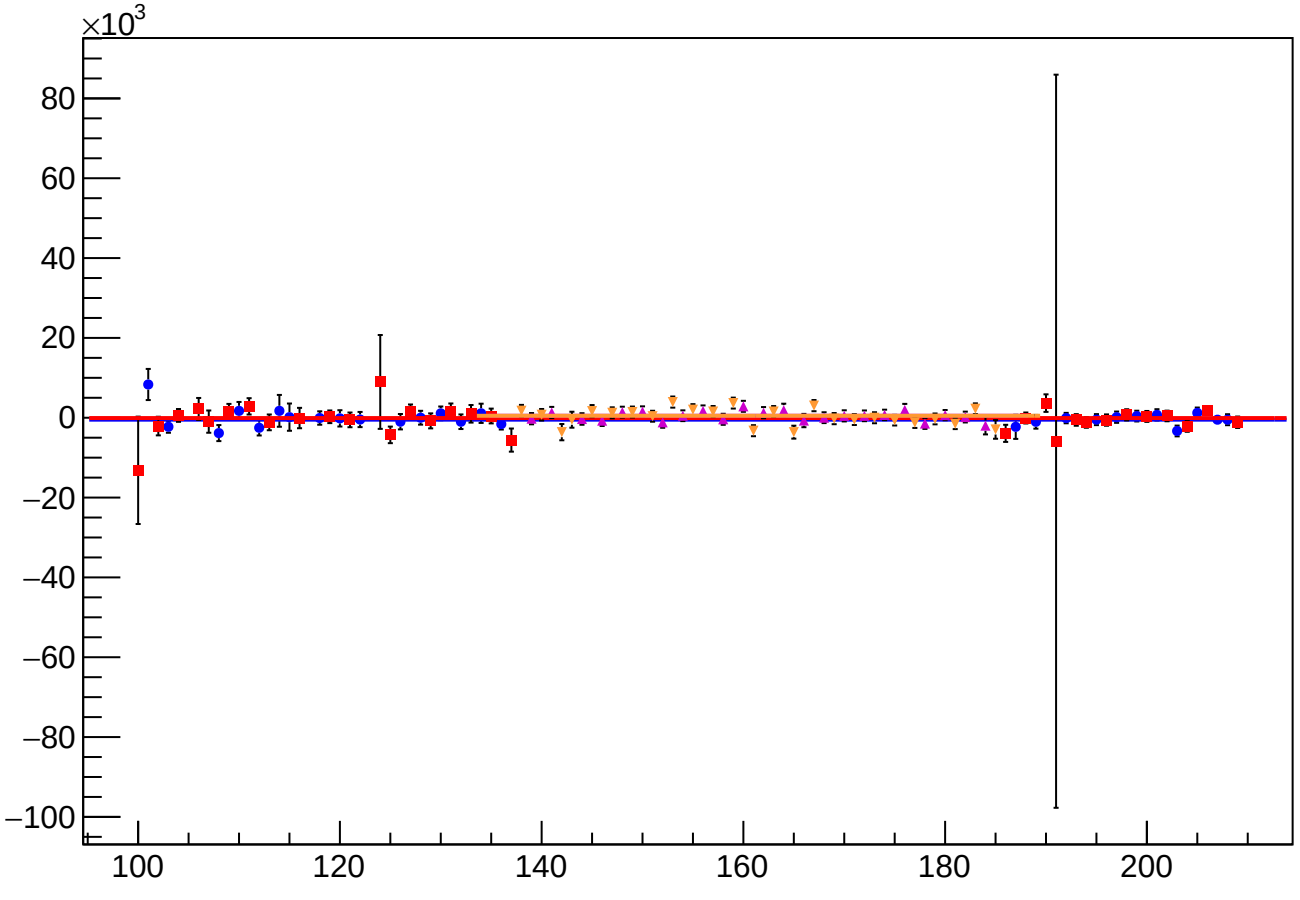
Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1

- sign 3982.216+/-0.491 χ^2/NDF: 4473353.8/54



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -84.649+/-316.044 χ^2/NDF: 29.0/31

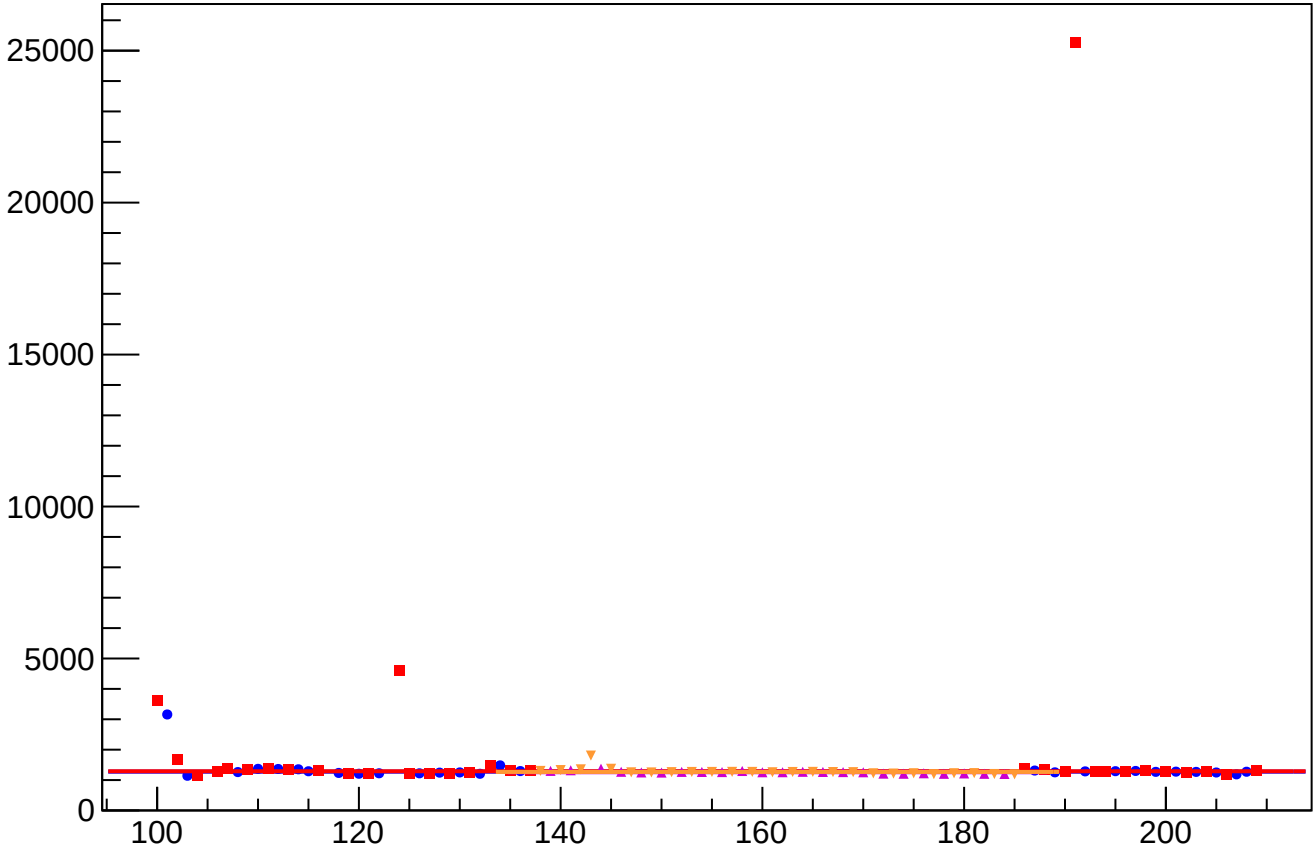
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 141.965+/-152.204 χ^2/NDF: 119.3/106

- sign 221.879+/-215.170 χ^2/NDF: 45.2/54

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

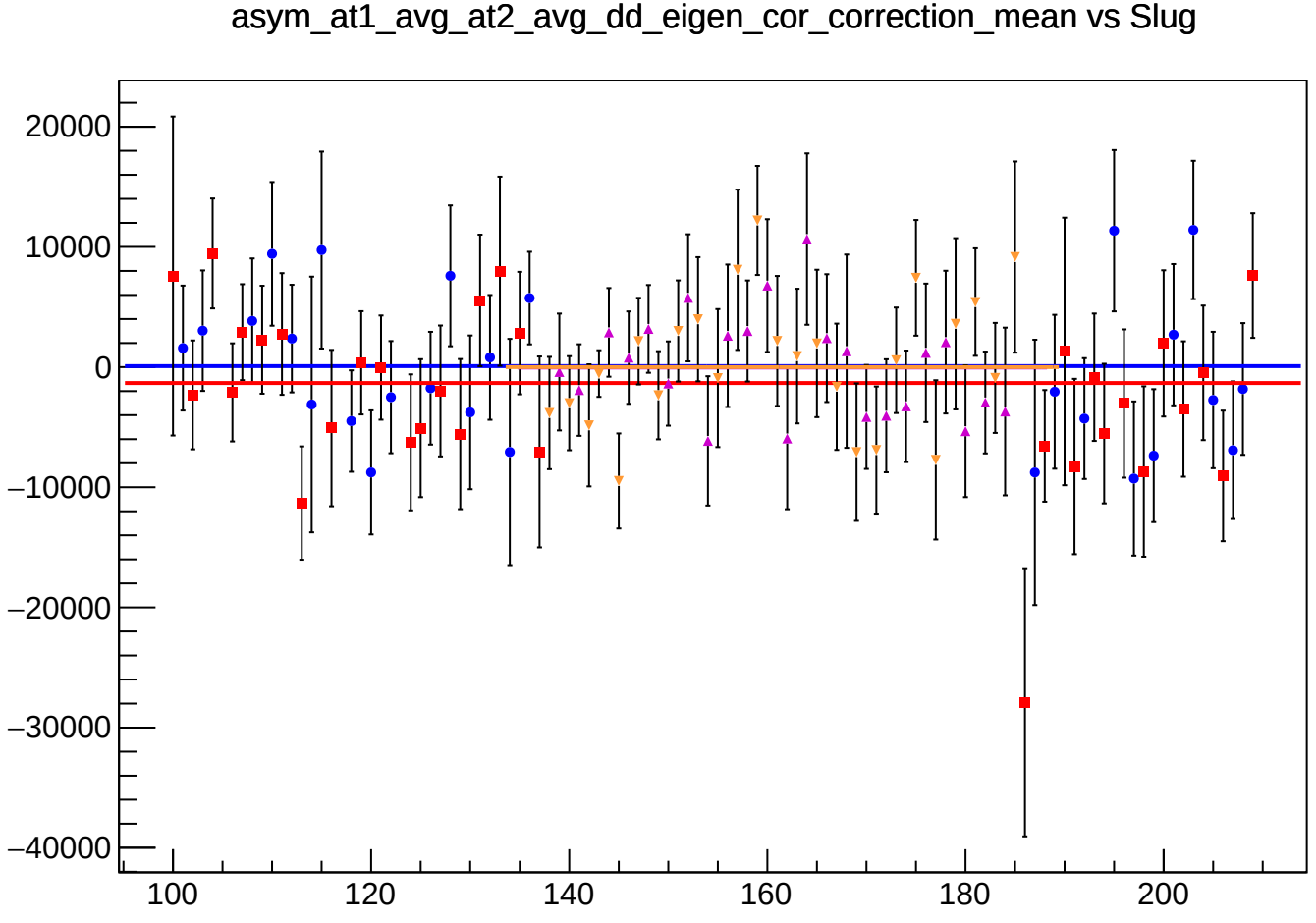
Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

- sign 1272.460+/-0.152 χ^2/NDF: 537461.9/54



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

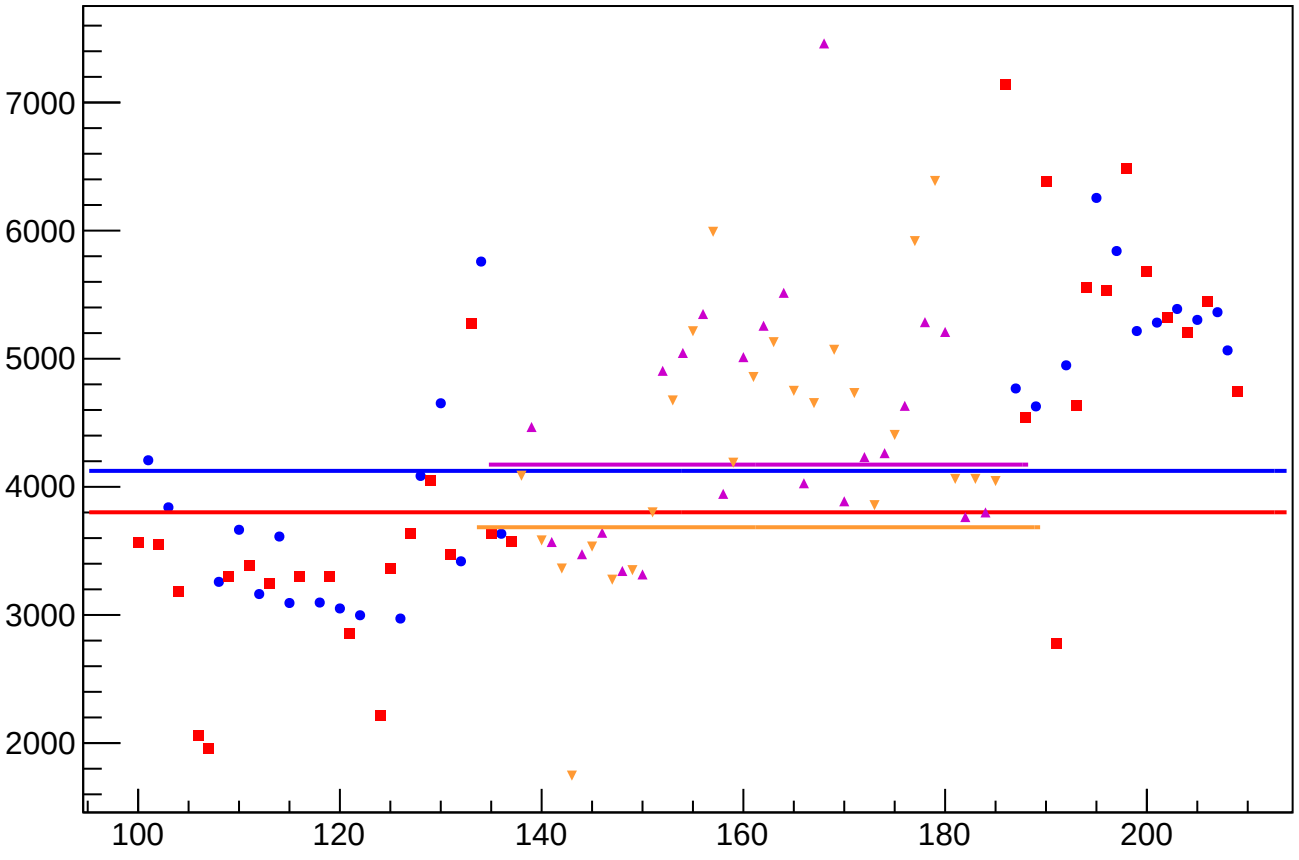
Right Out: -1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -326.680+/-486.480 χ^2/NDF: 107.6/106

- sign -697.836+/-693.741 χ^2/NDF: 49.4/54



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

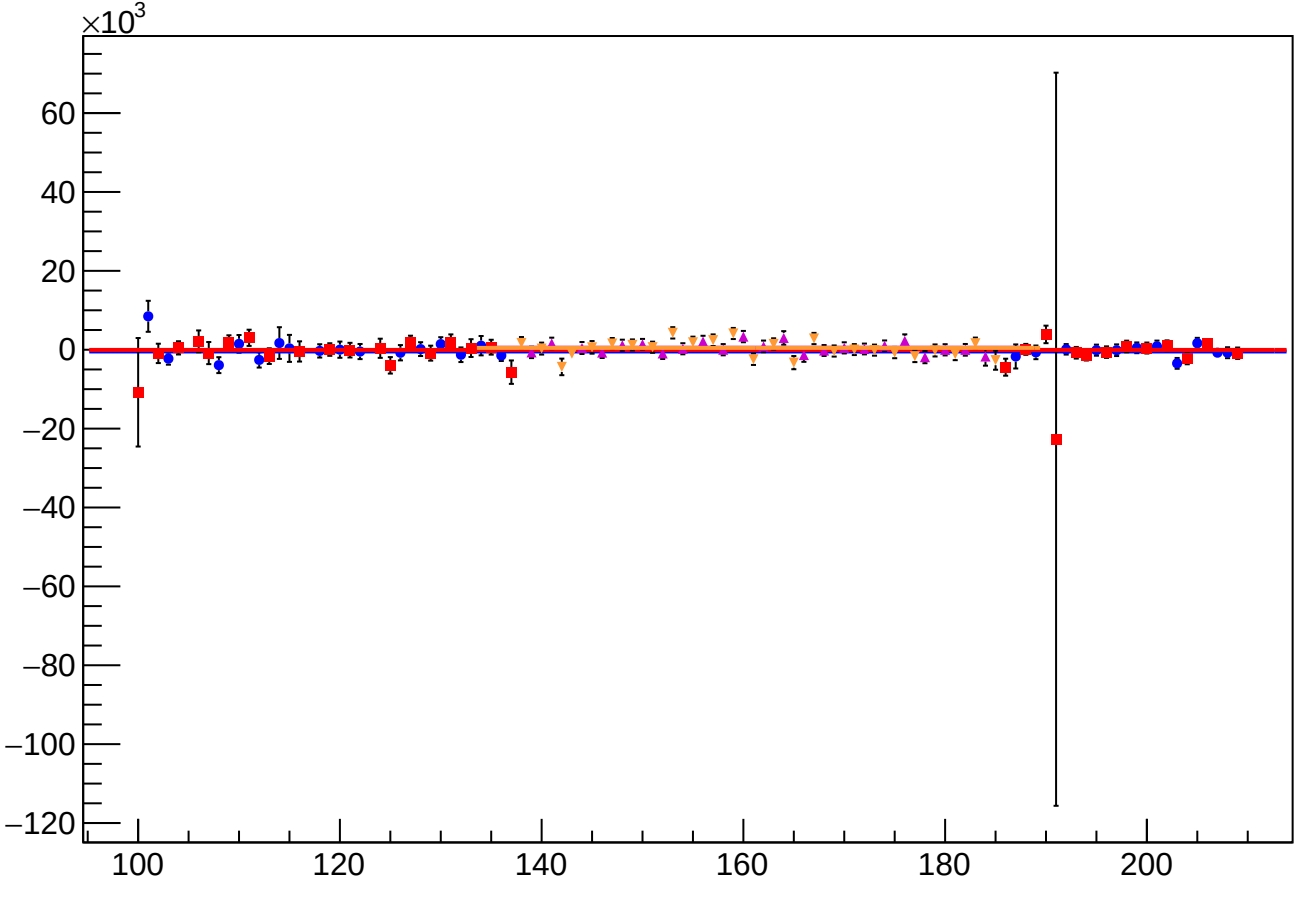
Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1

- sign 3982.216+/-0.491 χ^2/NDF: 4473353.8/54



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -47.938+/-318.441 χ^2/NDF: 29.4/31

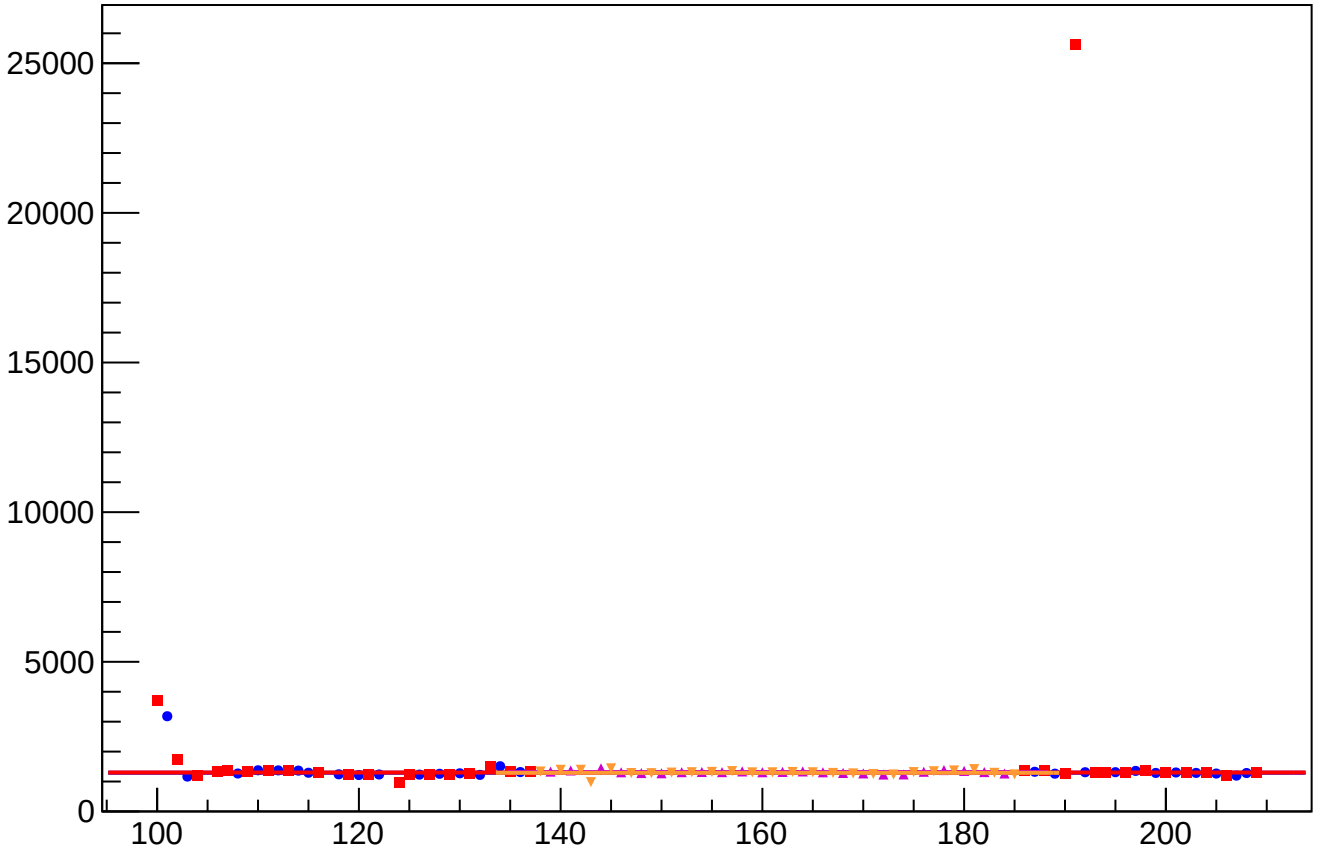
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 64.500+/-219.054 χ^2/NDF: 71.6/51

All: 150.392+/-155.591 χ^2/NDF: 120.2/106

- sign 237.845+/-221.036 χ^2/NDF: 48.3/54

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

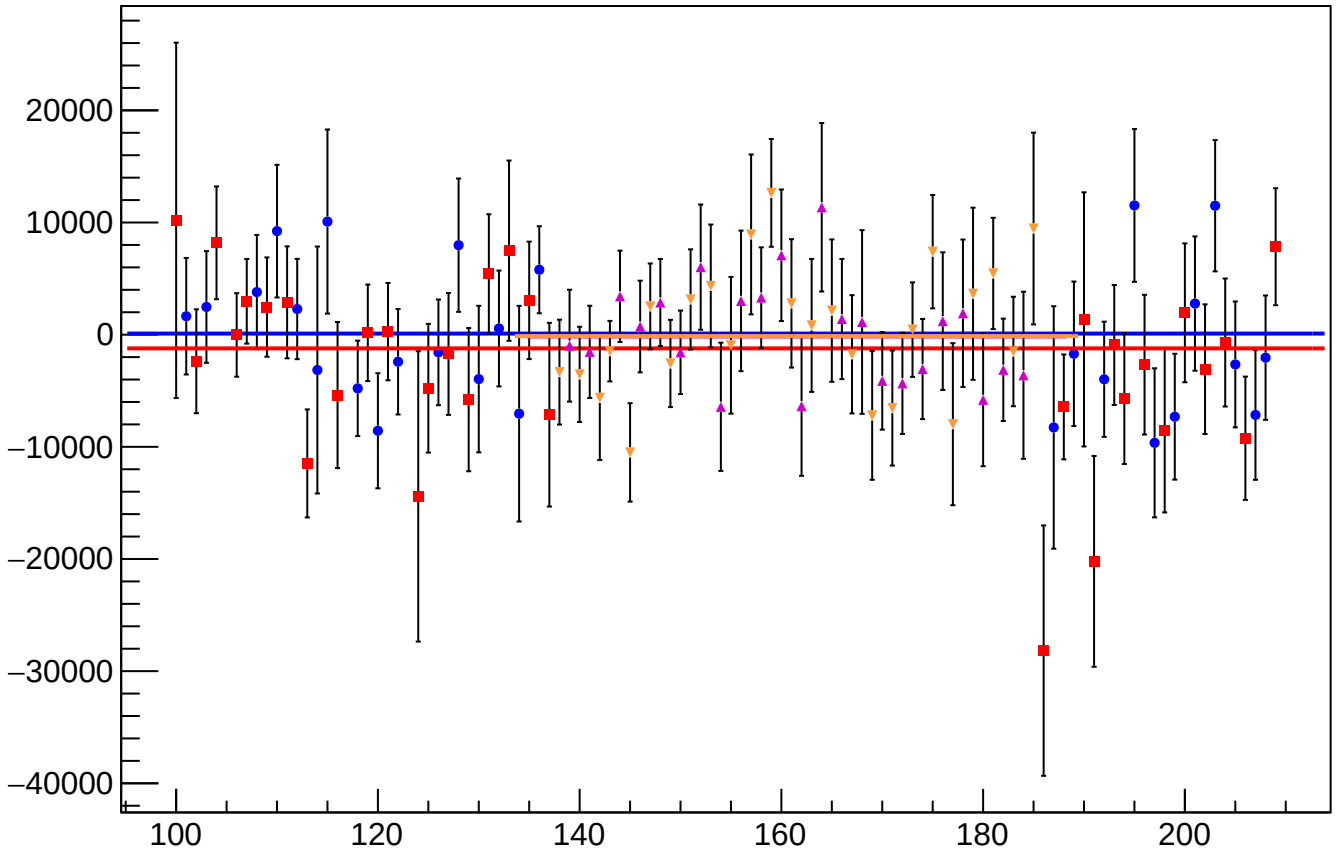
Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.7/31

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF: 759741.3/51

All: 1299.972+/-0.110 χ^2/NDF: 1187591.5/10

- sign 1307.665+/-0.156 χ^2/NDF: 423045.8/54



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

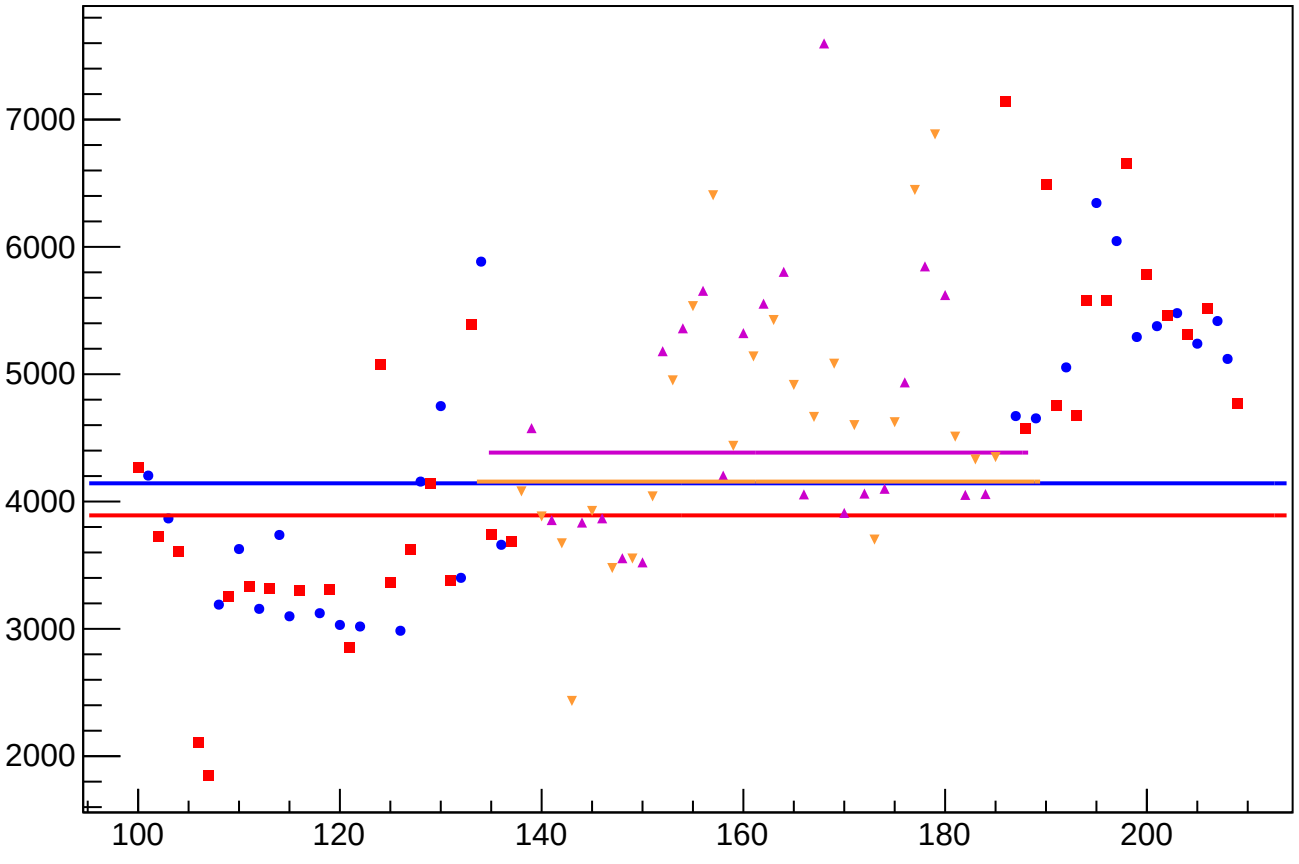
Right Out: -1222.316+/-984.024 χ^2/NDF: 36.2/31

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -25.222+/-723.091 χ^2/NDF: 57.0/51

All: -377.303+/-508.978 χ^2/NDF: 108.0/106

- sign -723.054+/-716.561 χ^2/NDF: 50.5/54



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

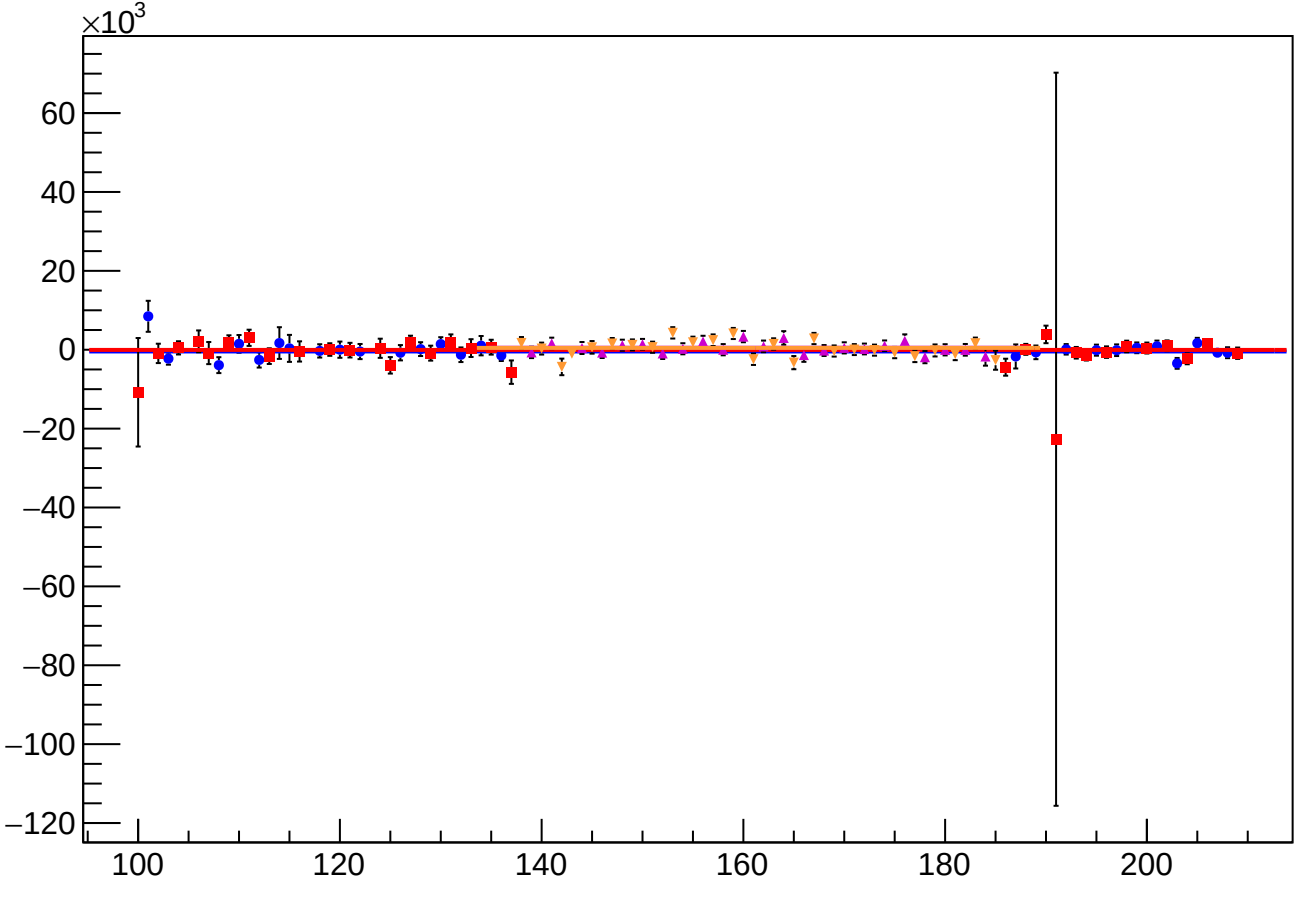
Right Out: 3891.188+/-0.696 χ^2/NDF: 3116996.9/31

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF: 3866181.9/51

All: 4136.526+/-0.360 χ^2/NDF: 8476063.9/10

- sign 4122.829+/-0.507 χ^2/NDF: 4608407.2/54



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -47.936+/-318.441 χ^2/NDF: 29.4/31

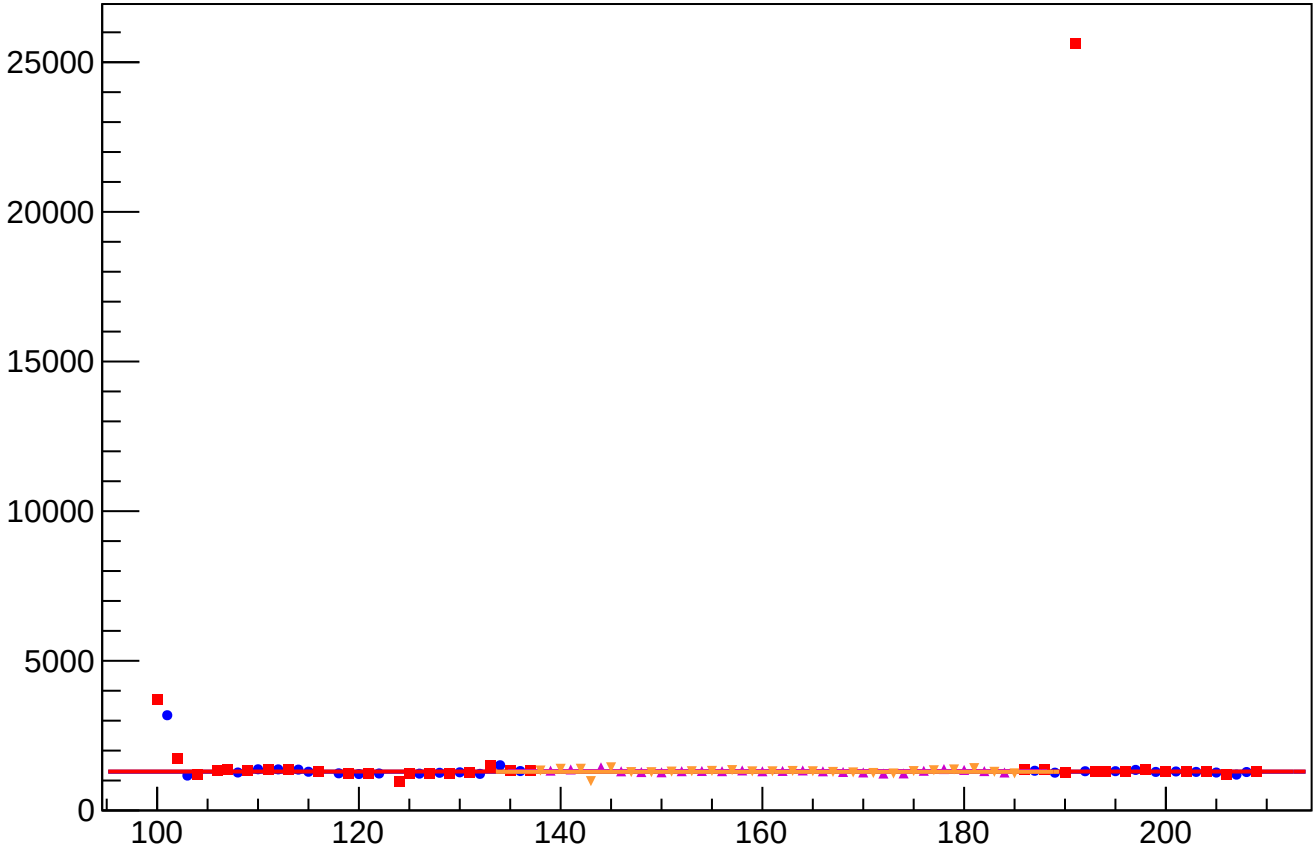
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 64.501+/-219.054 χ^2/NDF: 71.6/51

All: 150.393+/-155.591 χ^2/NDF: 120.2/106

- sign 237.846+/-221.037 χ^2/NDF: 48.3/54

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

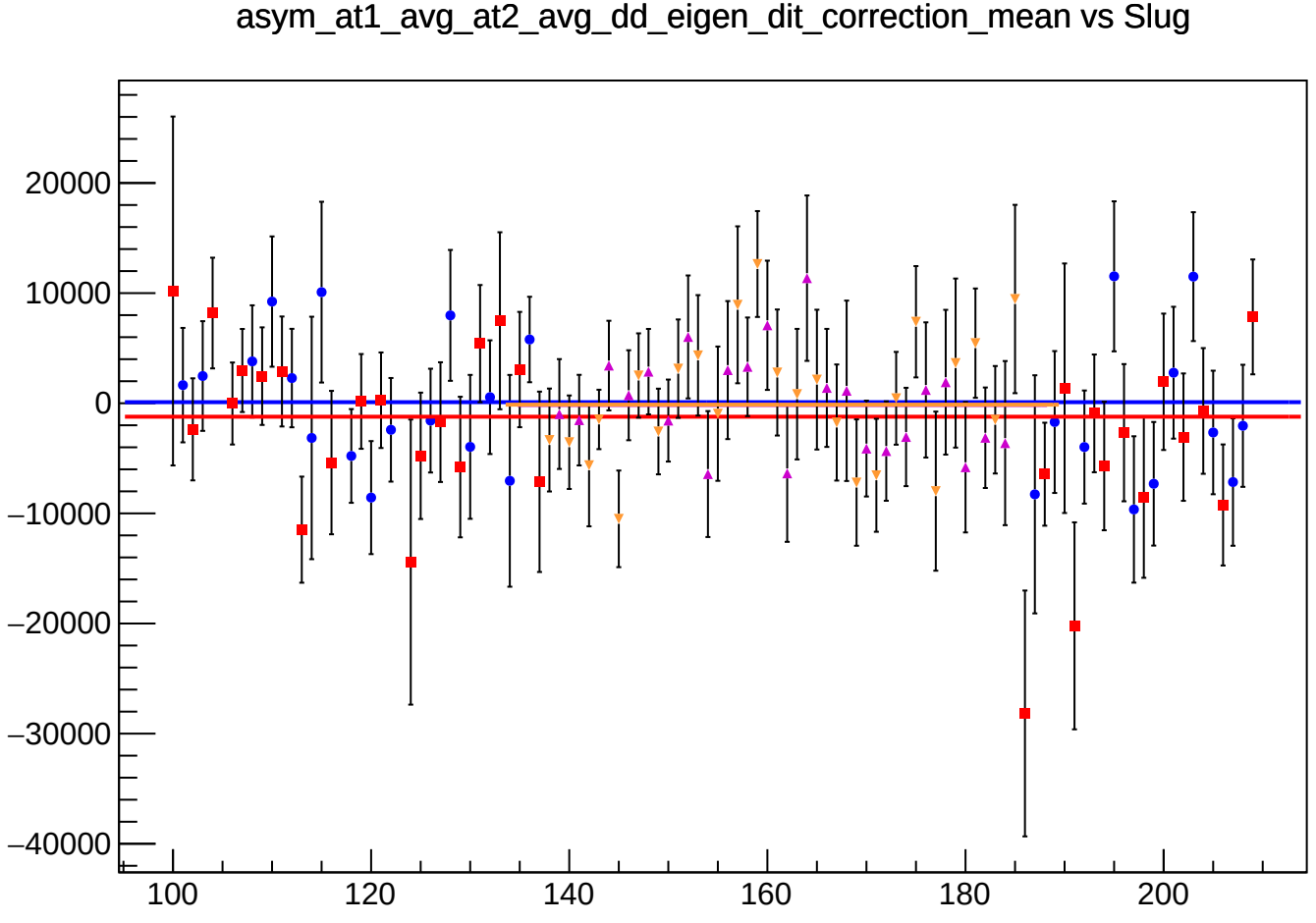
Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.8/31

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF: 759743.7/51

All: 1299.973+/-0.110 χ^2/NDF: 1187596.6/10

- sign 1307.666+/-0.156 χ^2/NDF: 423048.3/54



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

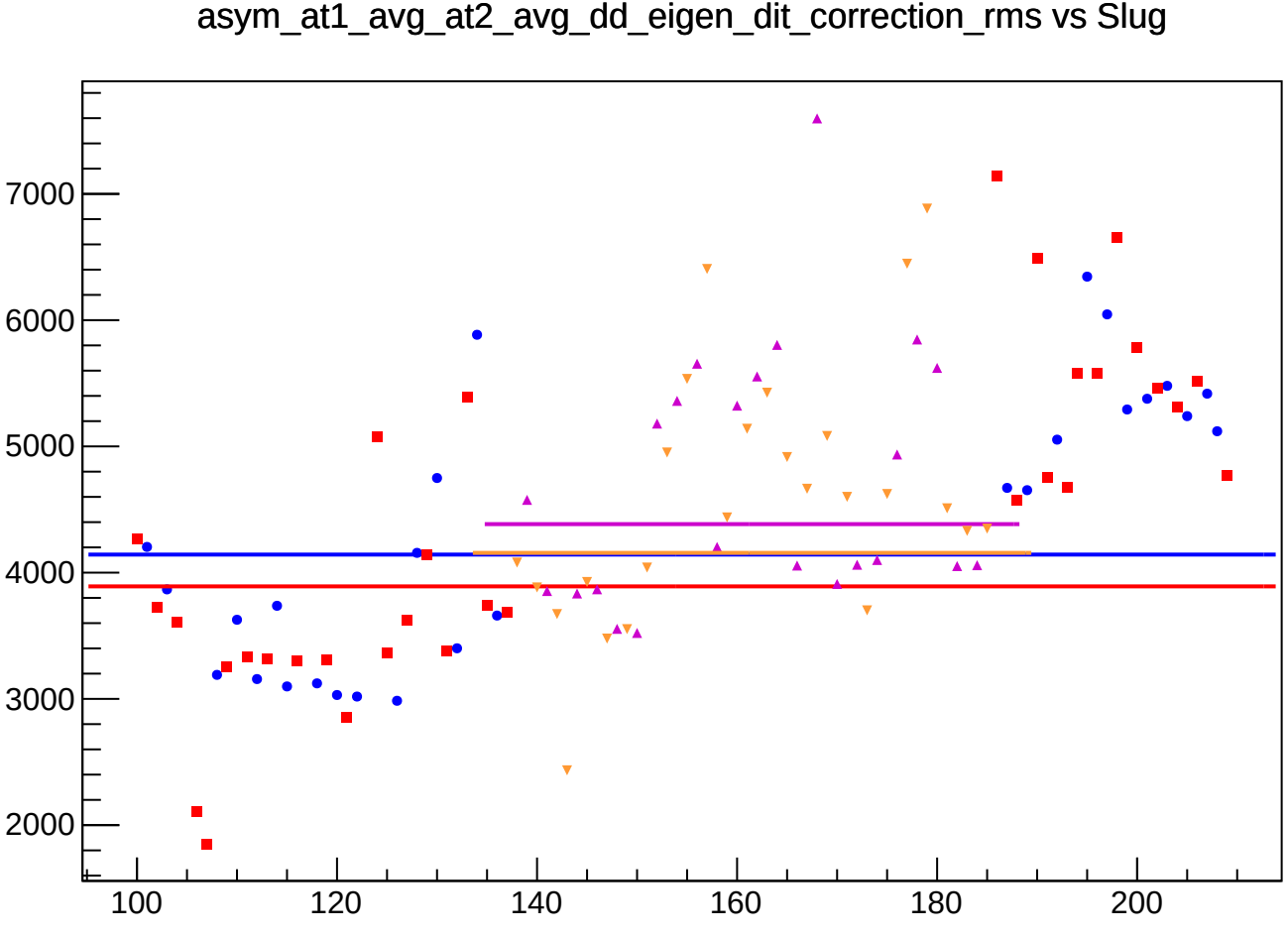
Right Out: -1222.309+/-984.023 χ^2/NDF: 36.2/31

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

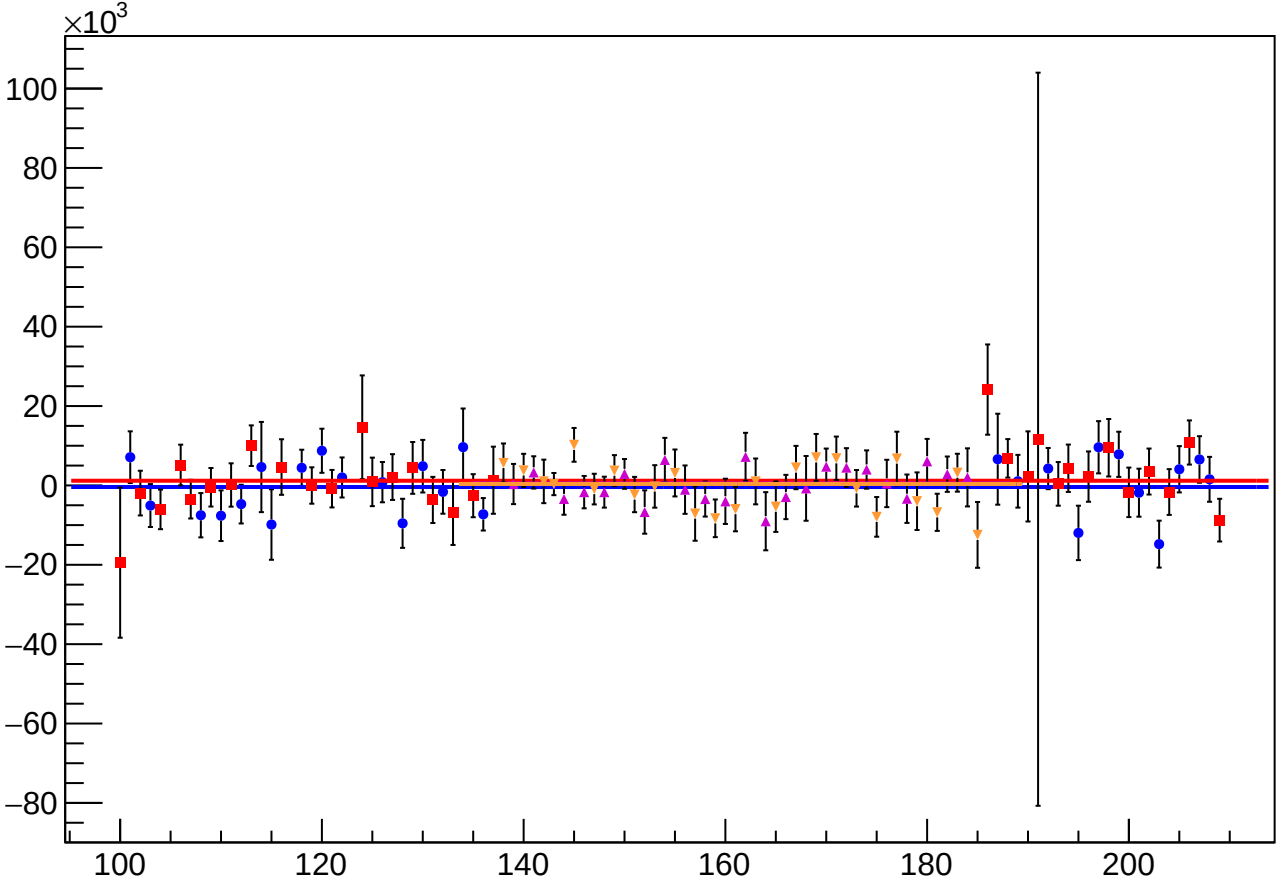
+ sign -25.223+/-723.091 χ^2/NDF: 57.0/51

All: -377.303+/-508.978 χ^2/NDF: 108.0/106

- sign -723.053+/-716.561 χ^2/NDF: 50.5/54


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4143.076+/-0.760 χ²/NDF: 1785274.0/26
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3891.181+/-0.696 χ²/NDF: 3117026.5/31
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
+ sign 4150.474+/-0.511 χ²/NDF: 3866216.0/51
All: 4136.526+/-0.360 χ²/NDF: 8476144.2/10
- sign 4122.828+/-0.507 χ²/NDF: 4608453.3/54

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1182.217+/-1068.563 χ^2/NDF: 26.3/31

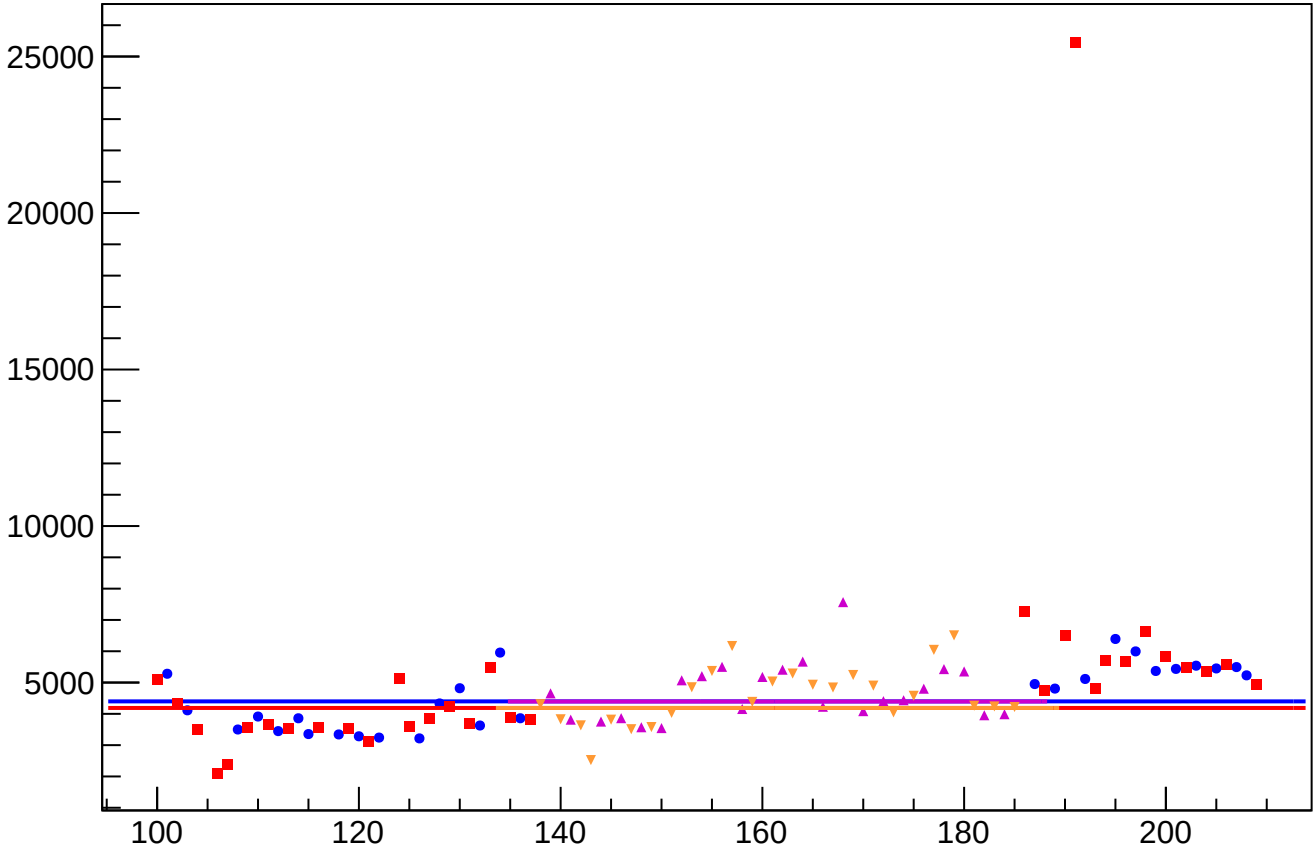
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 35.446+/-741.724 χ^2/NDF: 62.5/51

All: 430.964+/-526.337 χ^2/NDF: 103.4/106

\- sign 832.141+/-747.011 χ^2/NDF: 40.4/54

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

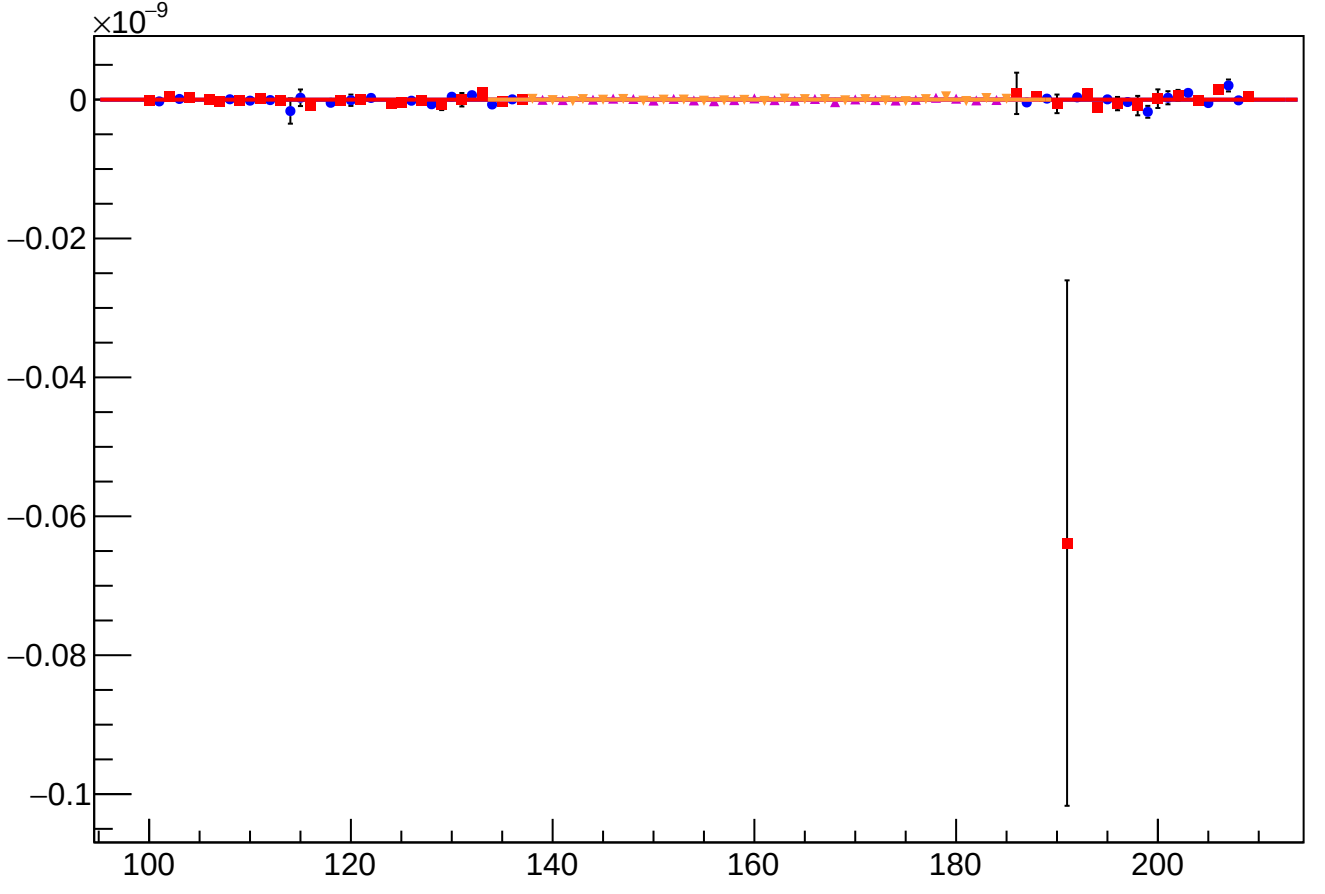
Right Out: 4188.173+/-0.749 χ^2/NDF: 2491206.0/31

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF: 3291843.3/51

All: 4285.225+/-0.371 χ^2/NDF: 6910246.6/10

- sign 4292.666+/-0.526 χ^2/NDF: 3618004.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

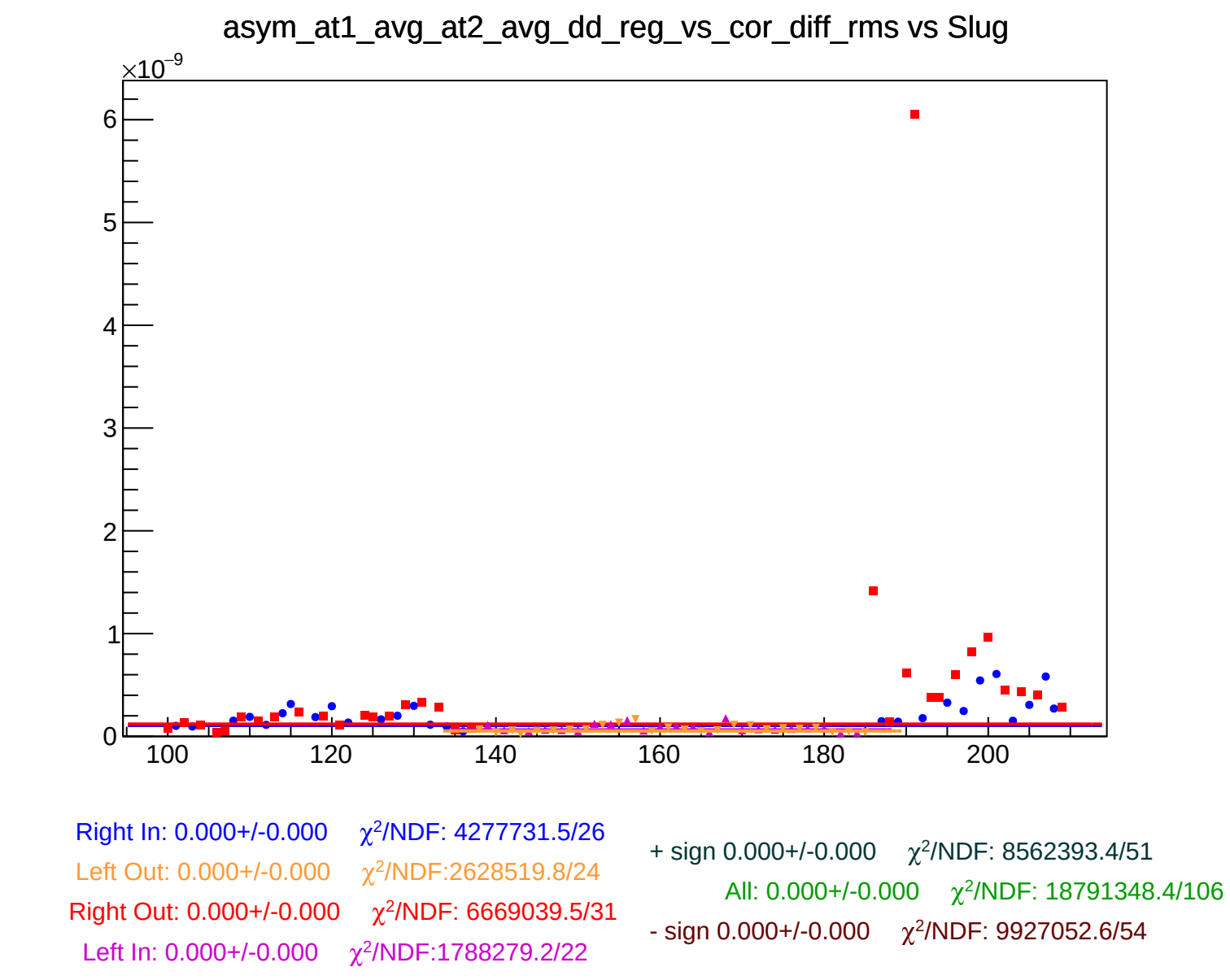
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/31

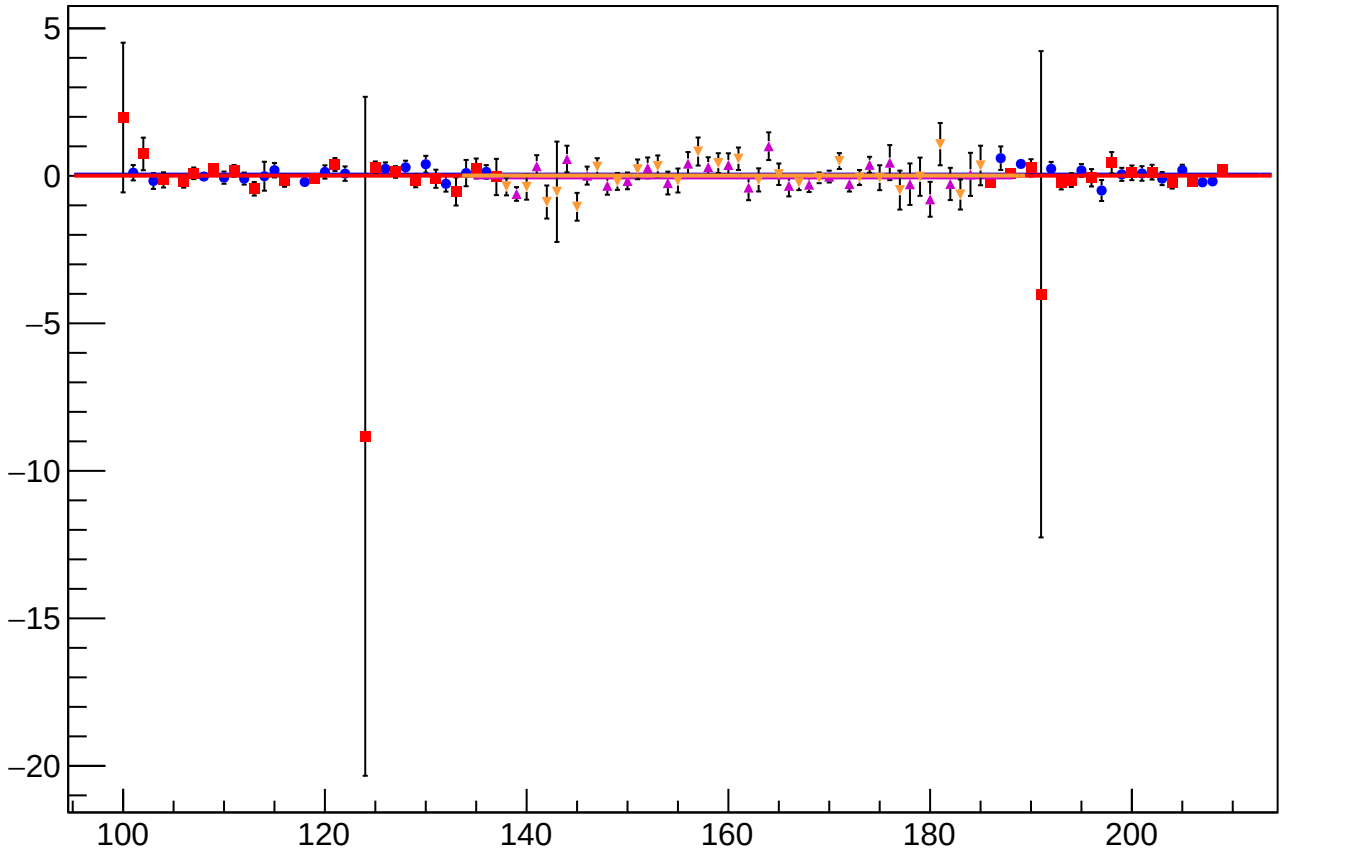
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/51

All: -0.000+/-0.000 χ^2/NDF: 116.0/106

- sign -0.000+/-0.000 χ^2/NDF: 50.9/54


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: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6669039.5/31
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 8562393.4/51
All: 0.000+/-0.000 χ²/NDF: 18791348.4/106
- sign 0.000+/-0.000 χ²/NDF: 9927052.6/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

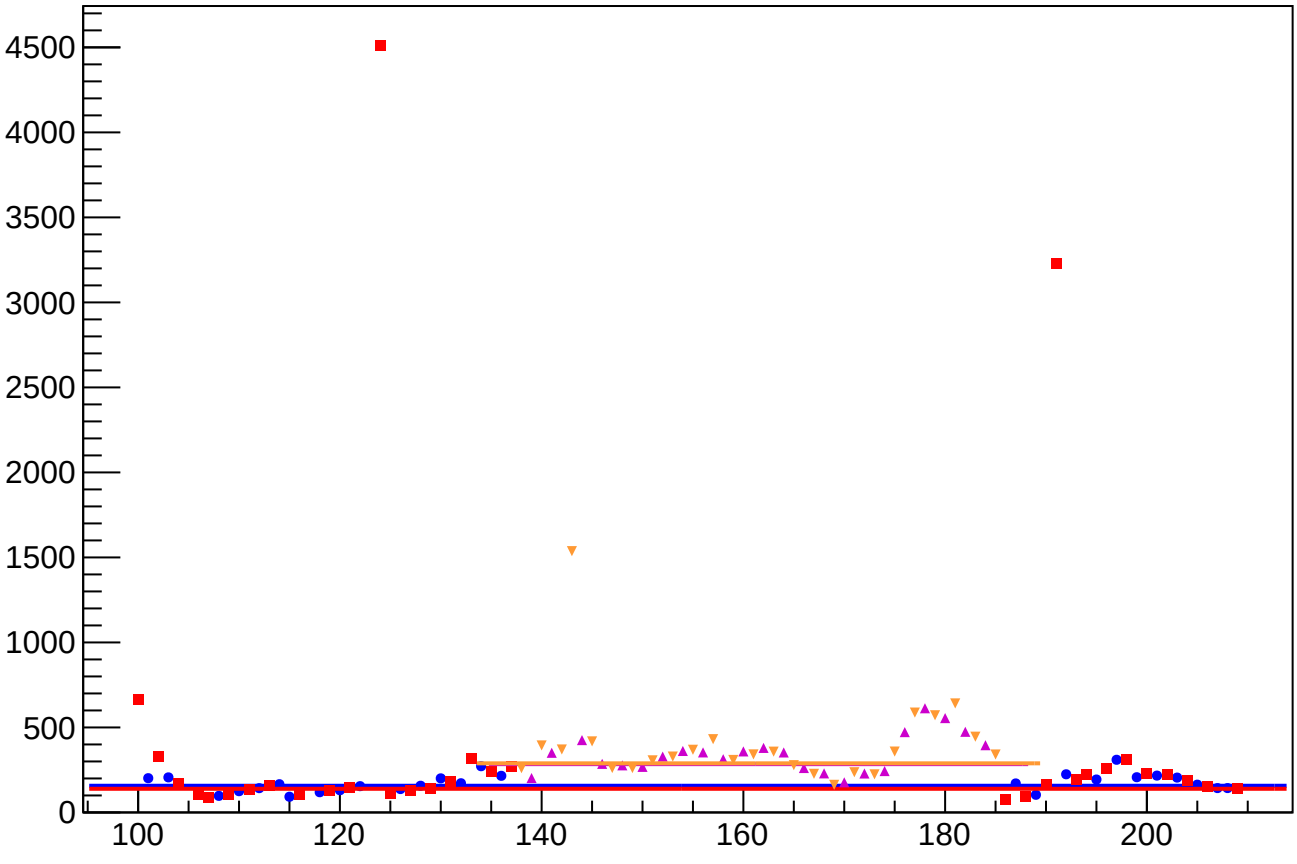
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

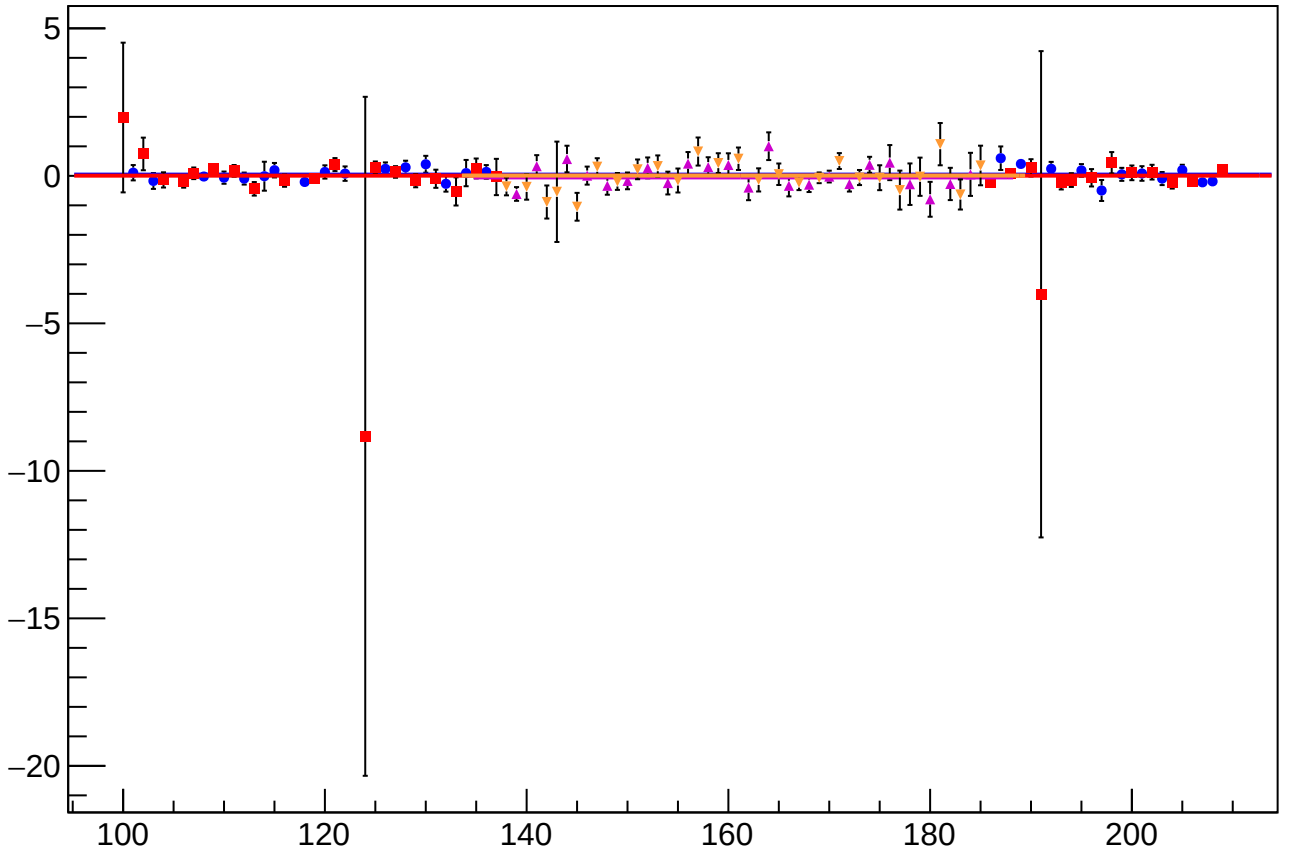
Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

- sign 171.355+/-0.023 χ^2/NDF: 14349054.2/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

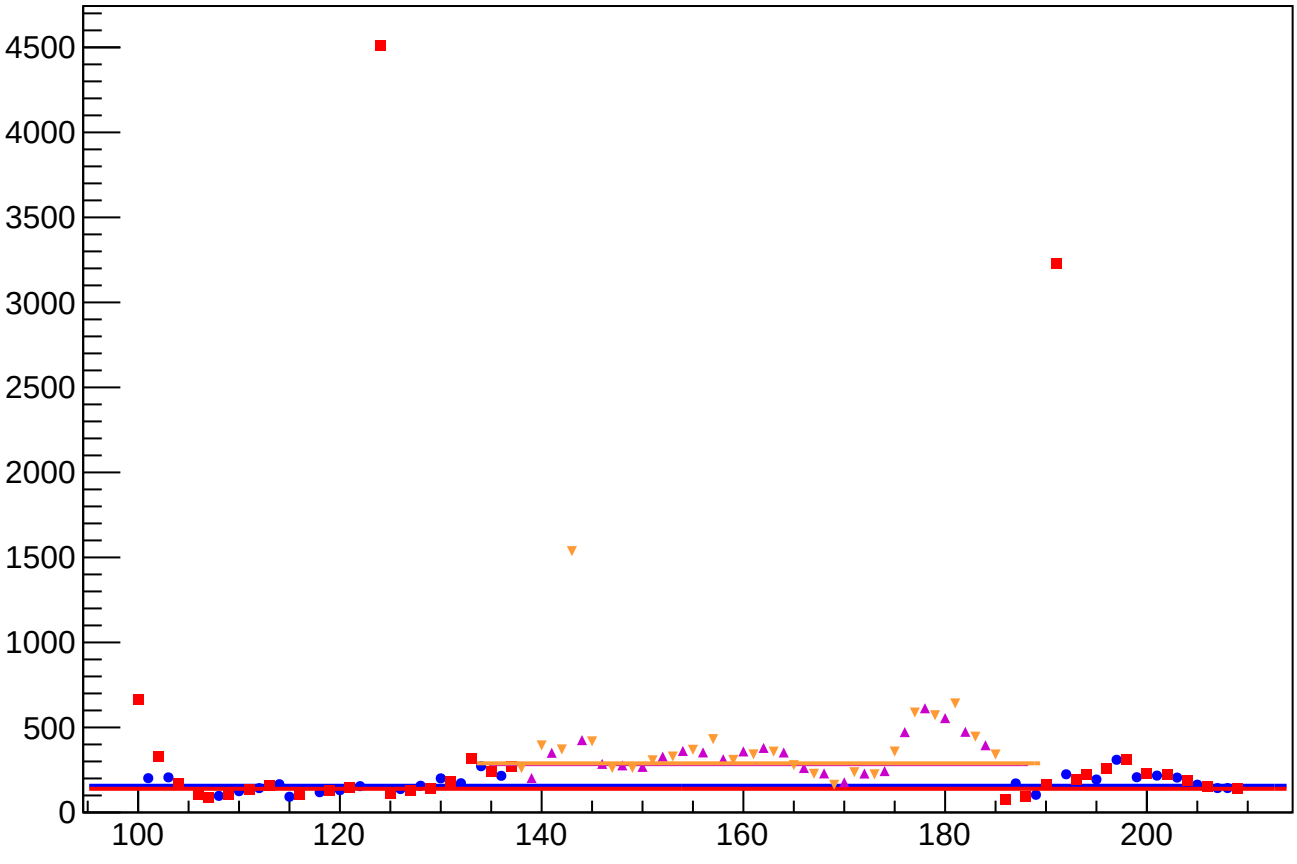
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

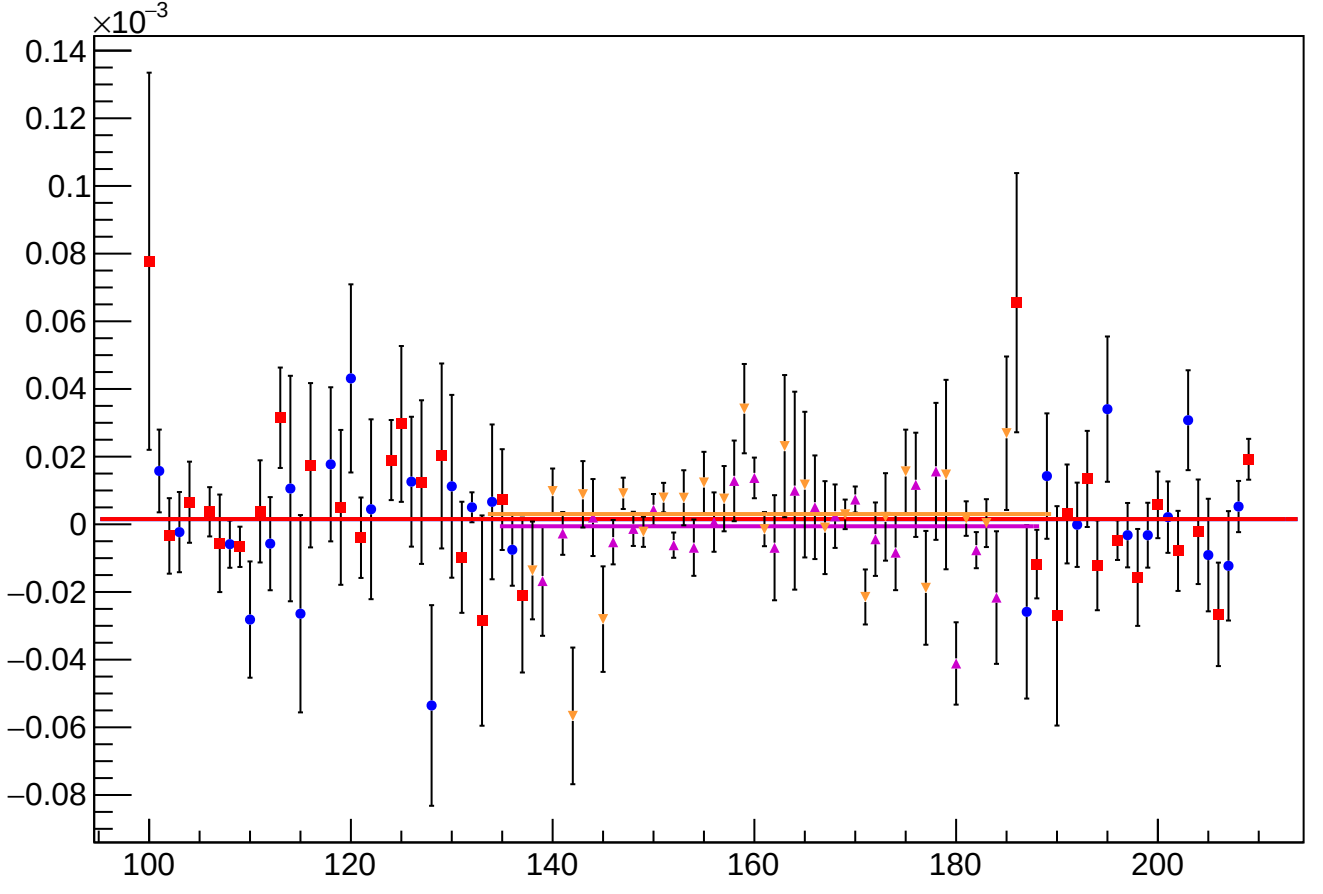
Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

- sign 171.355+/-0.023 χ^2/NDF: 14349054.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

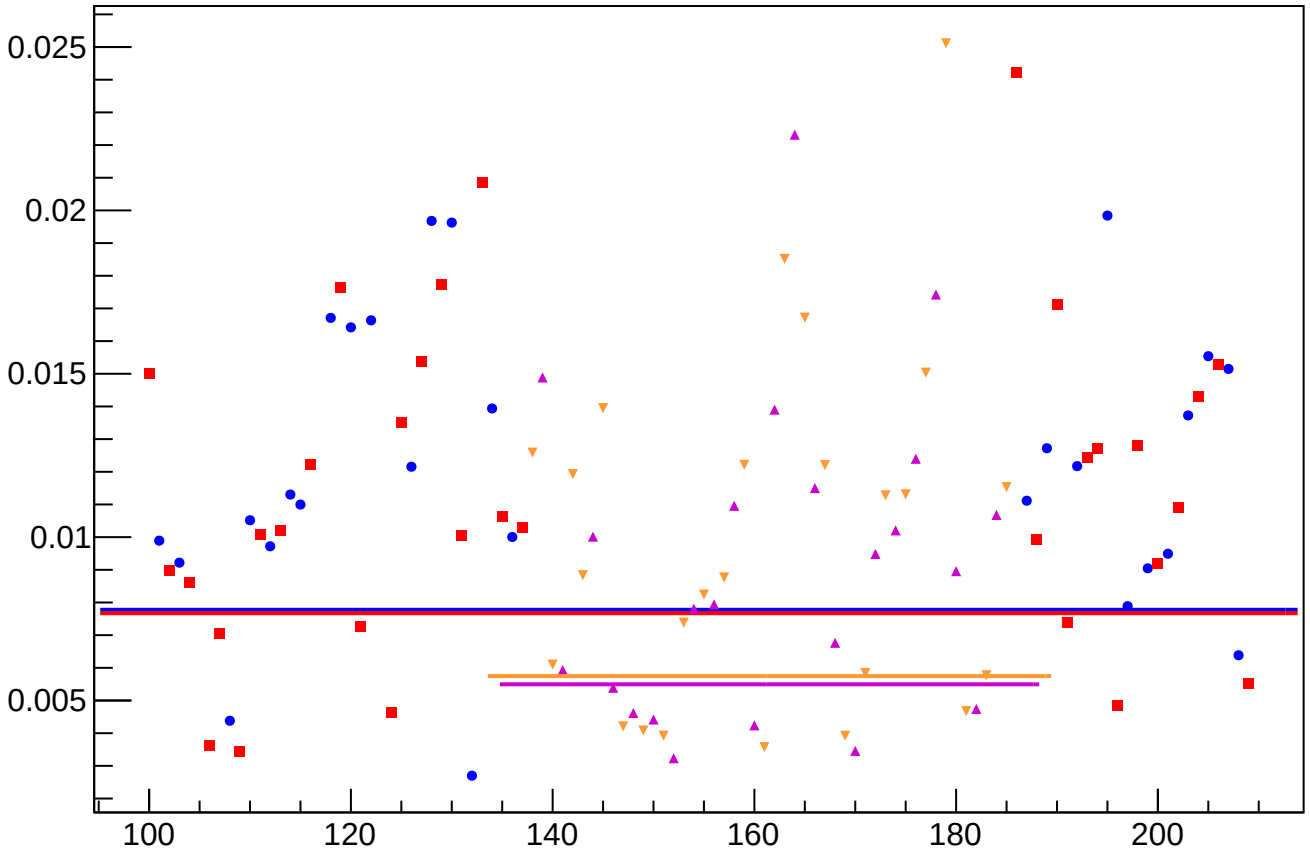
Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/31

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/51

All: 0.000+/-0.000 χ^2/NDF: 141.4/106

- sign 0.000+/-0.000 χ^2/NDF: 72.4/54



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

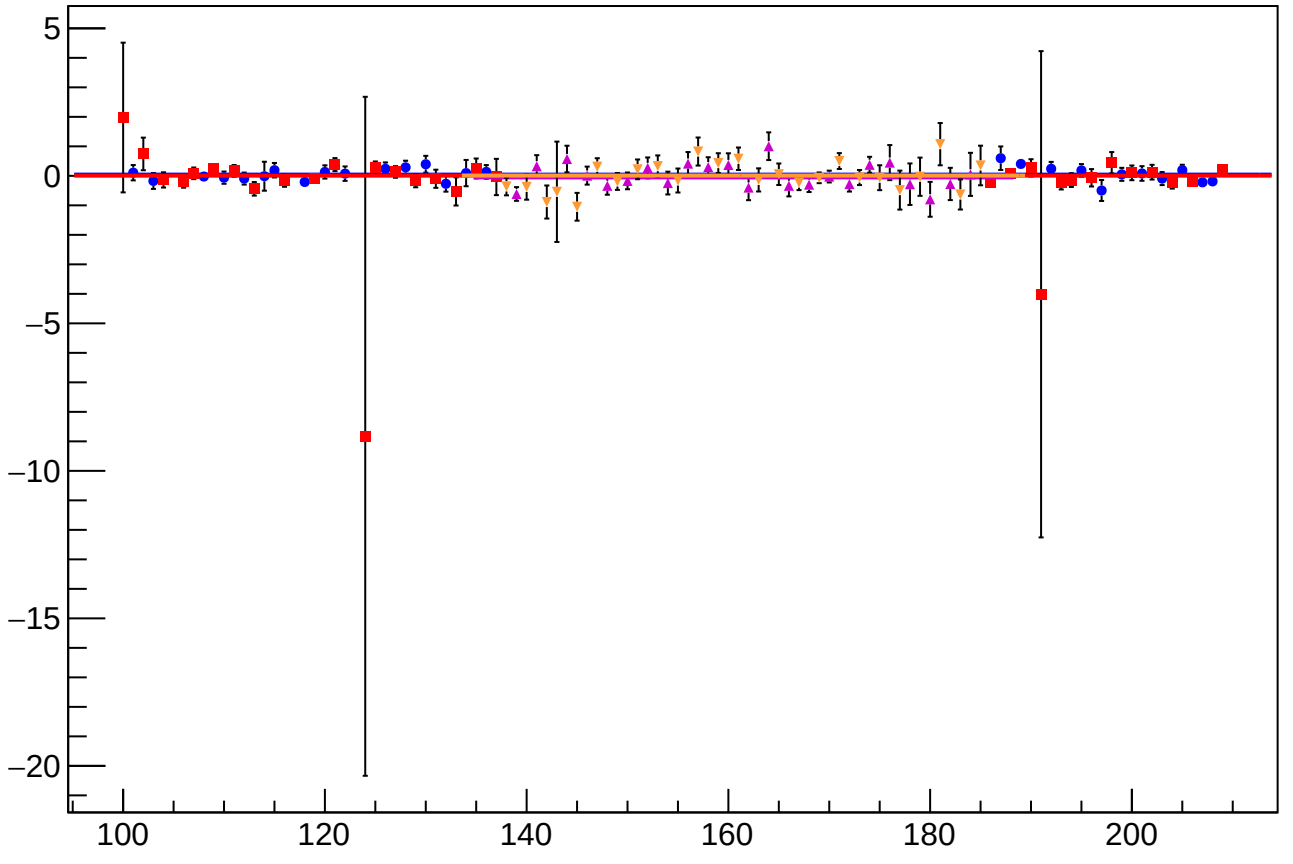
Right Out: 0.008+/-0.000 χ^2/NDF: 6709901.5/31

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 16702957.4/51

All: 0.006+/-0.000 χ^2/NDF: 31761518.8/106

- sign 0.006+/-0.000 χ^2/NDF: 15047293.5/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

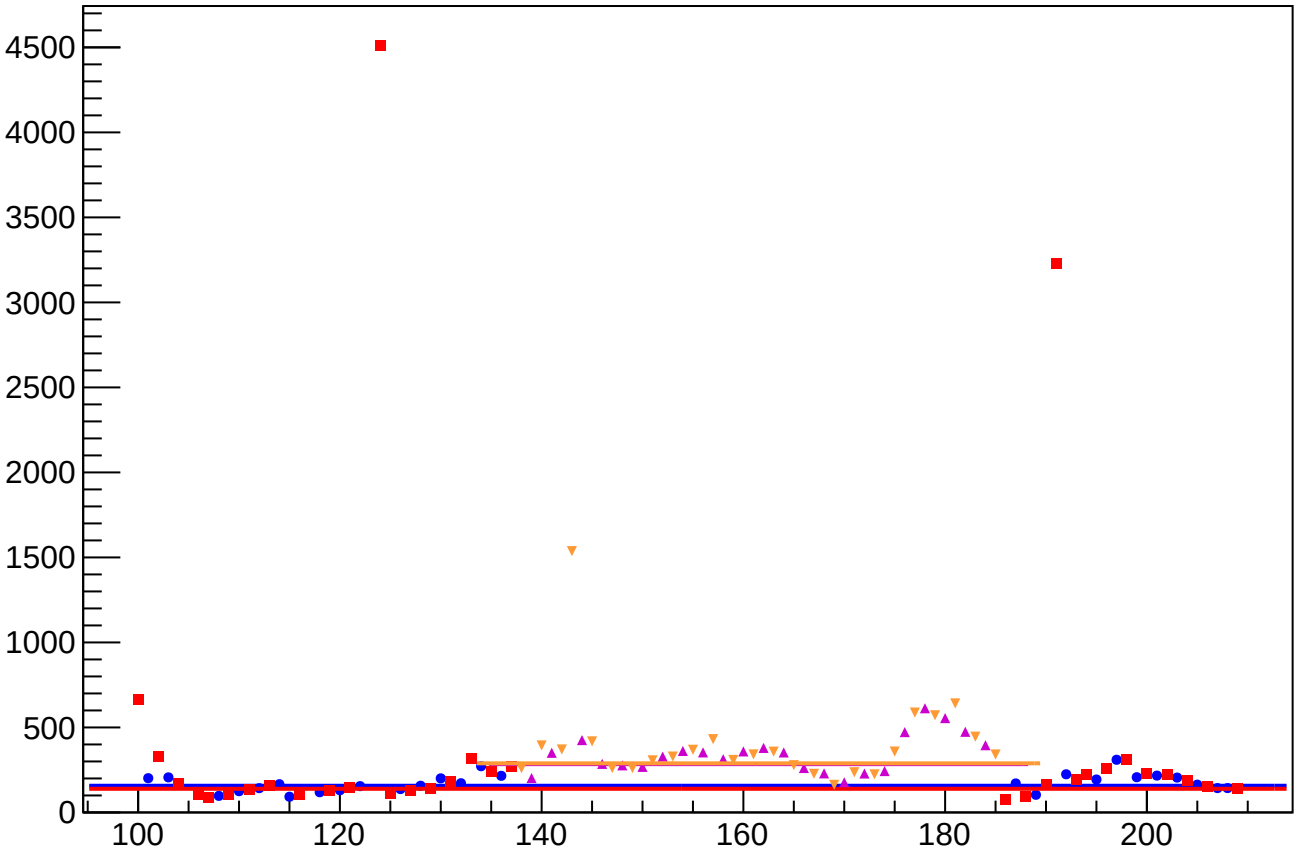
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

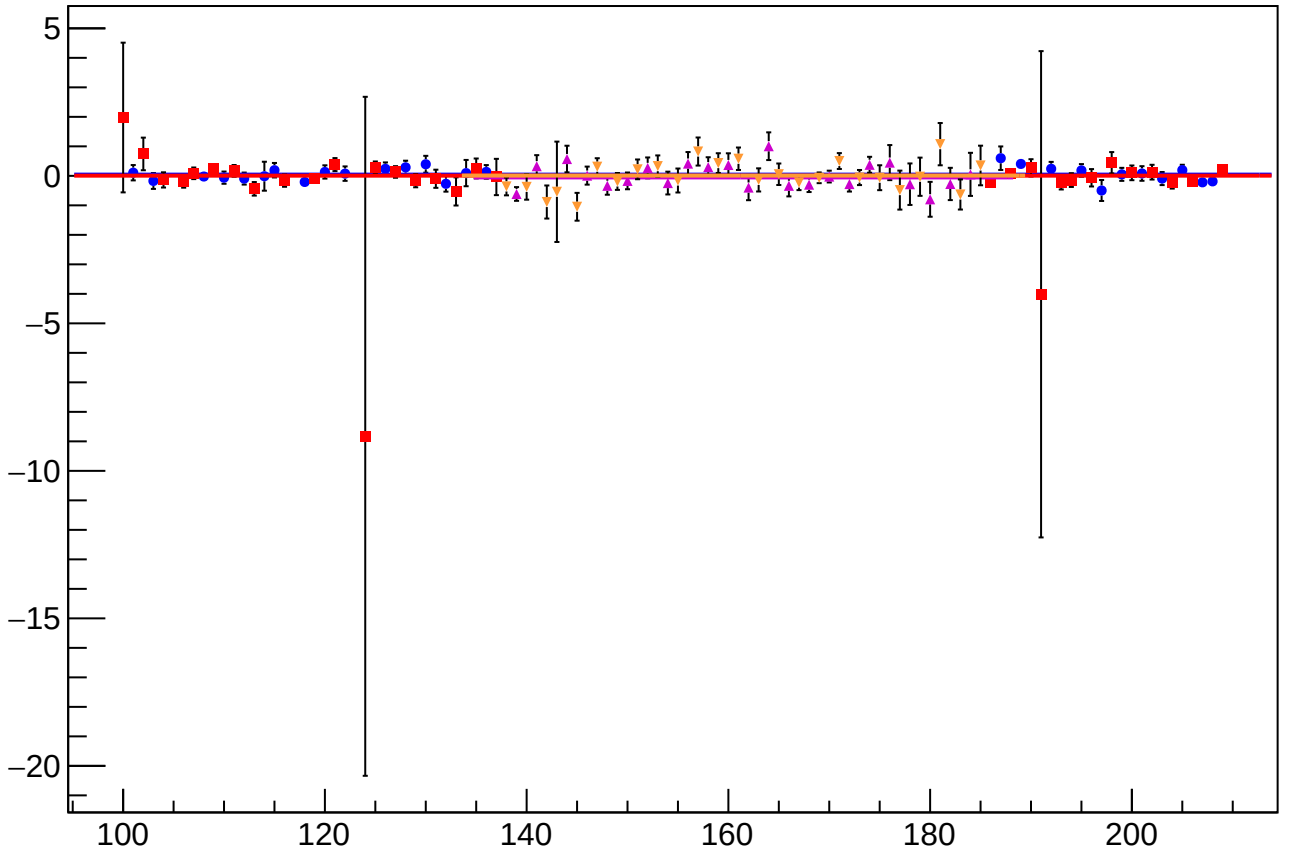
Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

- sign 171.357+/-0.023 χ^2/NDF: 14348872.4/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

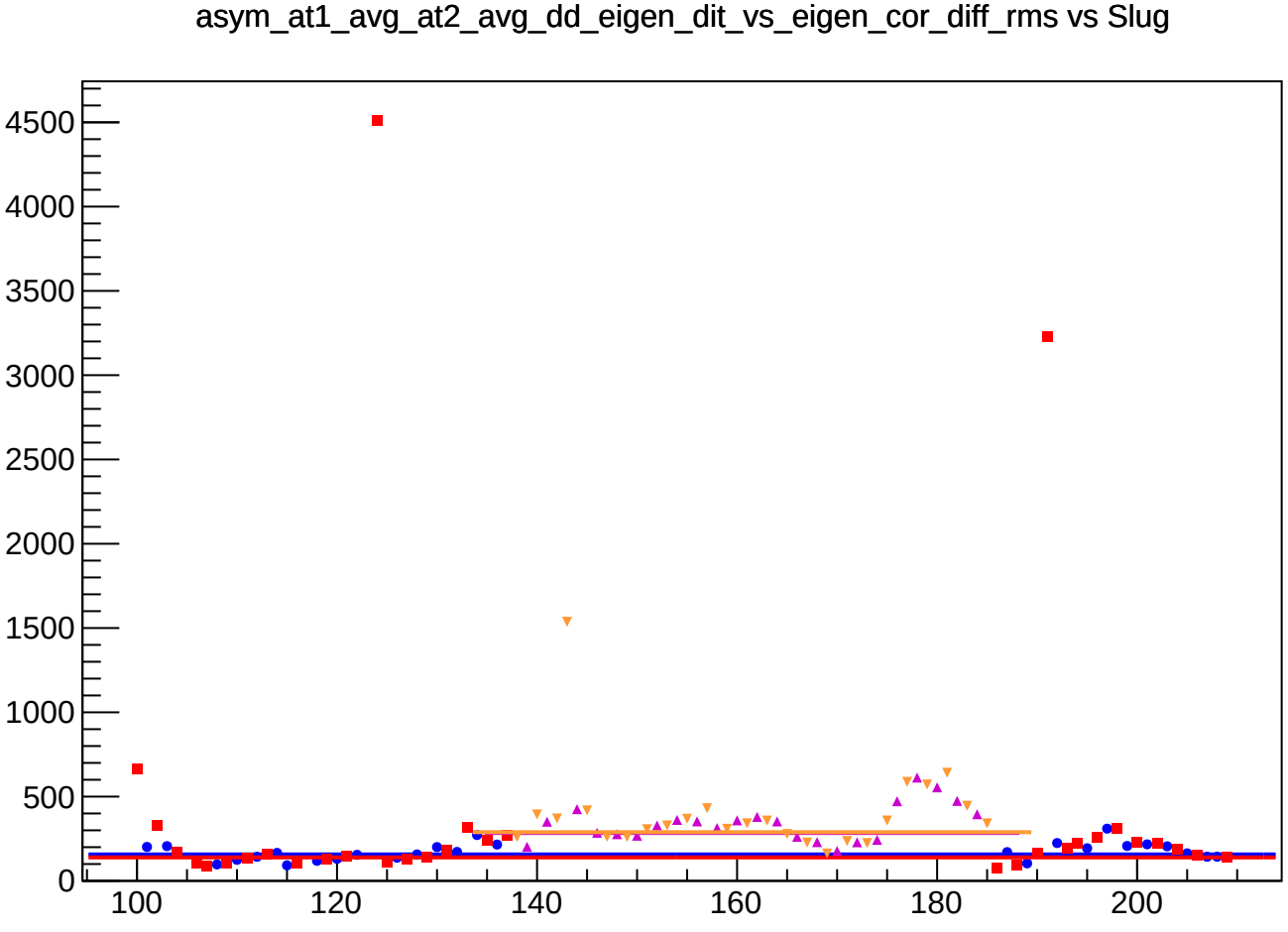
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

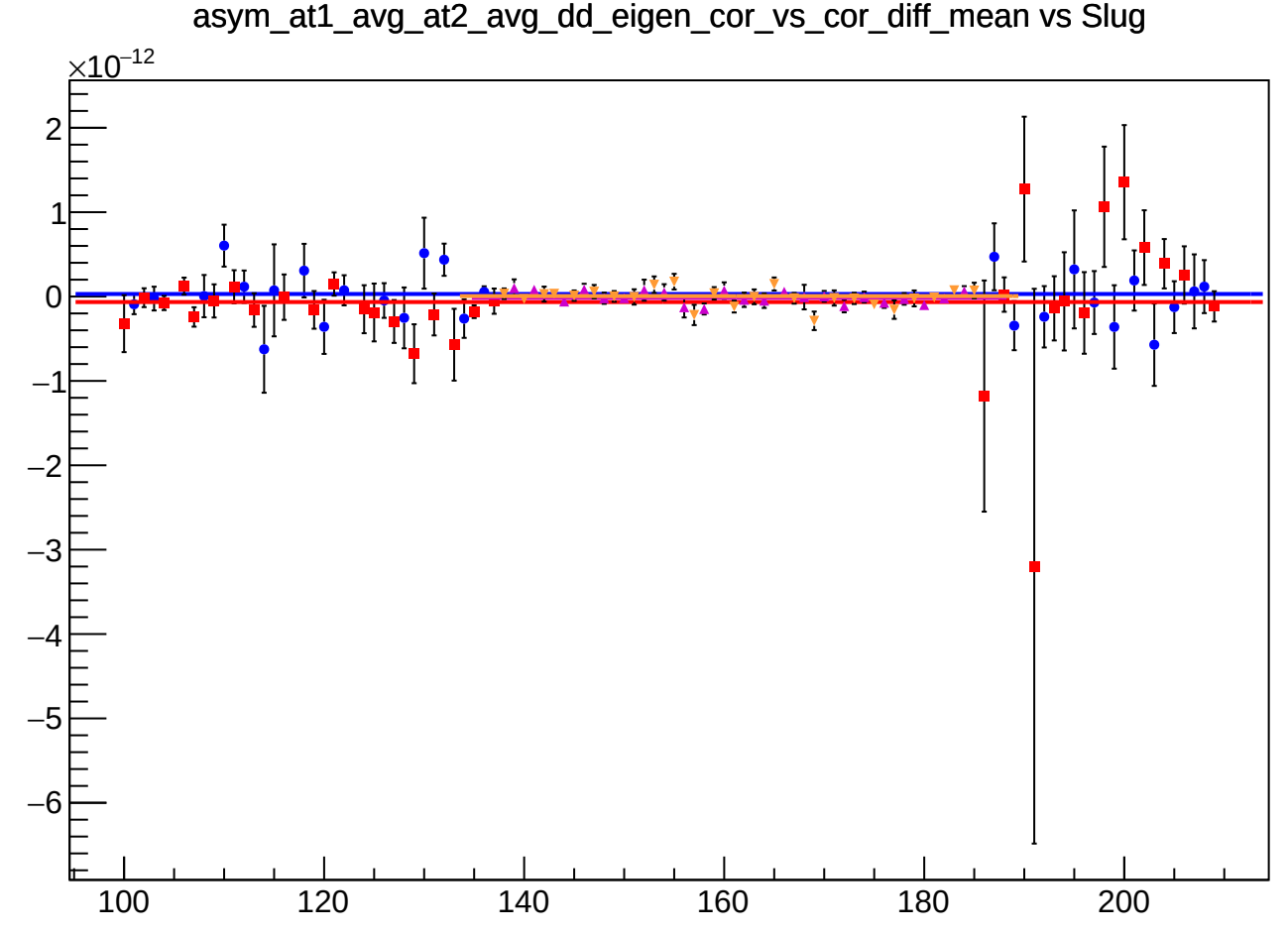
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 157.039+/-0.030 χ²/NDF: 2252184.2/26
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 139.241+/-0.027 χ²/NDF: 4674453.5/31
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 191.142+/-0.026 χ²/NDF: 12014123.2/51
All: 180.403+/-0.017 χ²/NDF: 26688842.2/10
- sign 171.357+/-0.023 χ²/NDF: 14348872.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

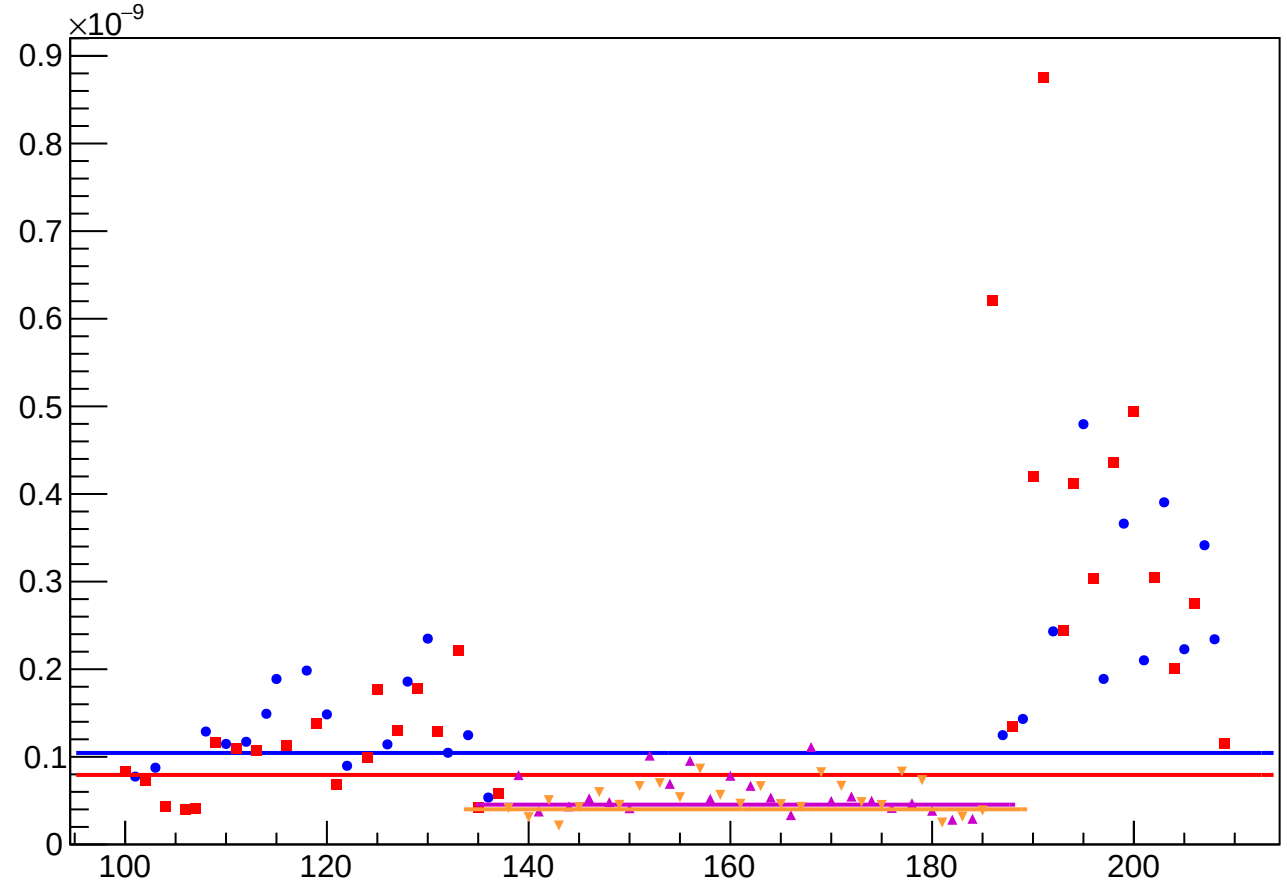
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/31

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 123.5/106

- sign -0.000+/-0.000 χ^2/NDF: 60.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7704705.4/31

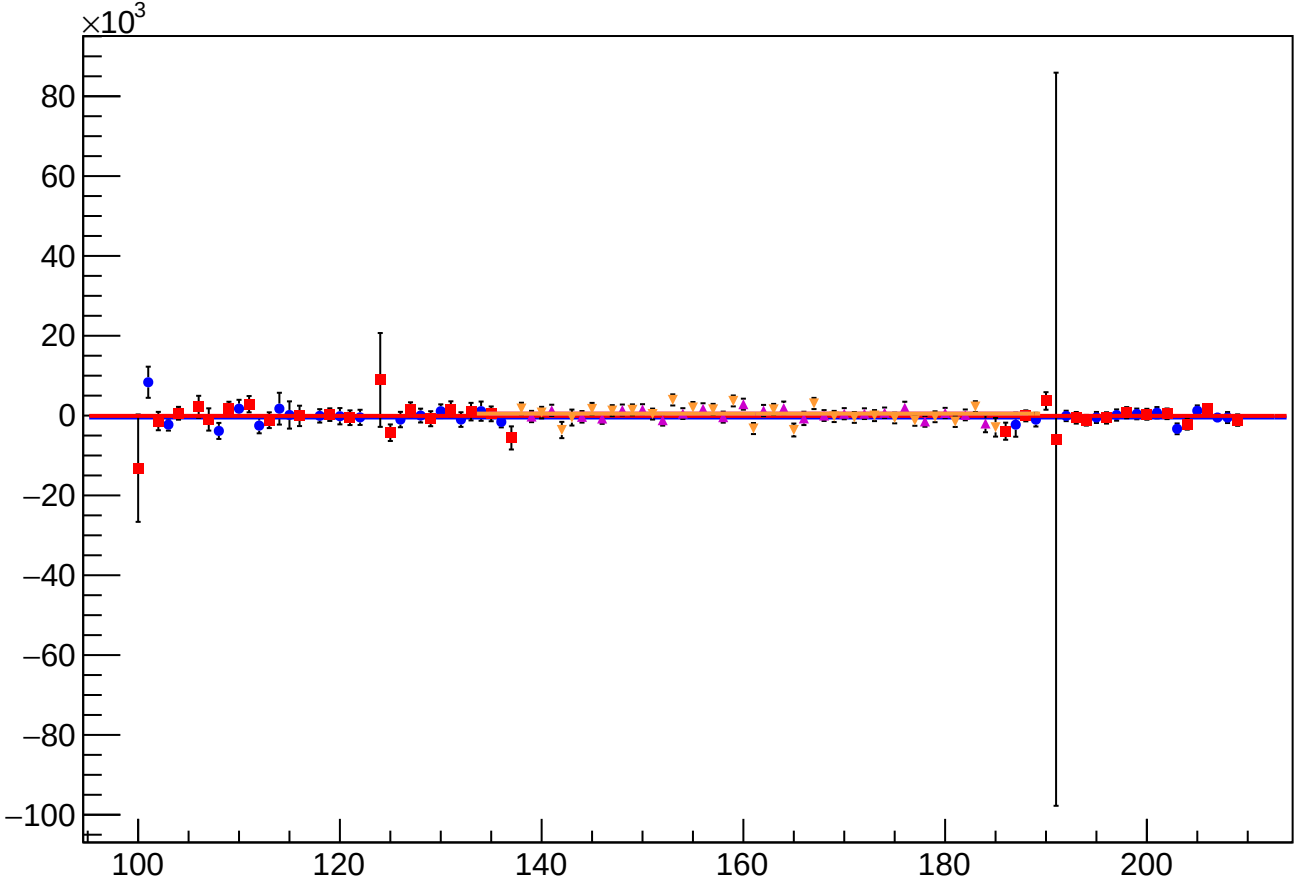
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF: 26431480.3/106

- sign 0.000+/-0.000 χ^2/NDF: 12350579.0/54

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -72.414+/-315.956 χ^2/NDF: 28.6/31

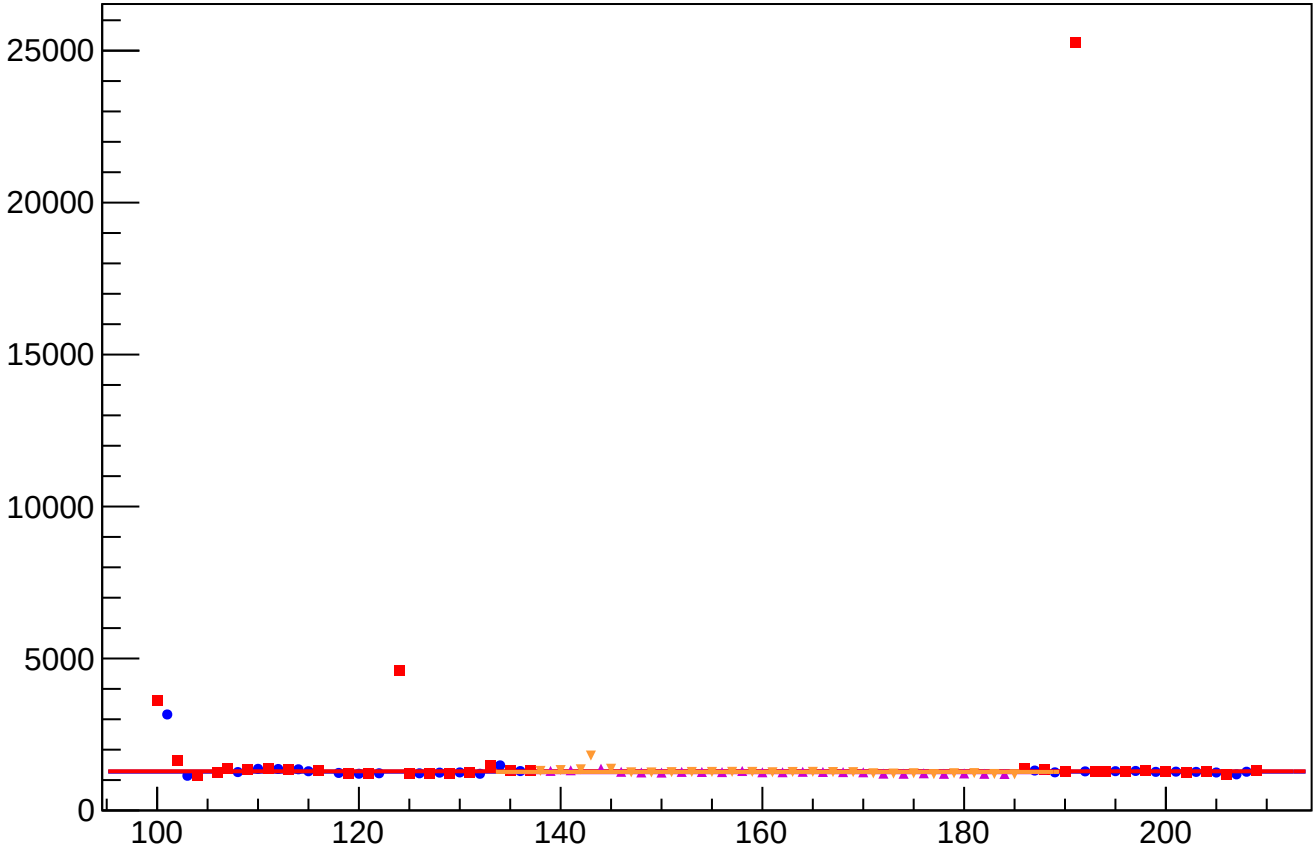
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 61.988+/-215.328 χ^2/NDF: 73.8/51

All: 144.829+/-152.194 χ^2/NDF: 118.8/106

- sign 227.527+/-215.143 χ^2/NDF: 44.7/54

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

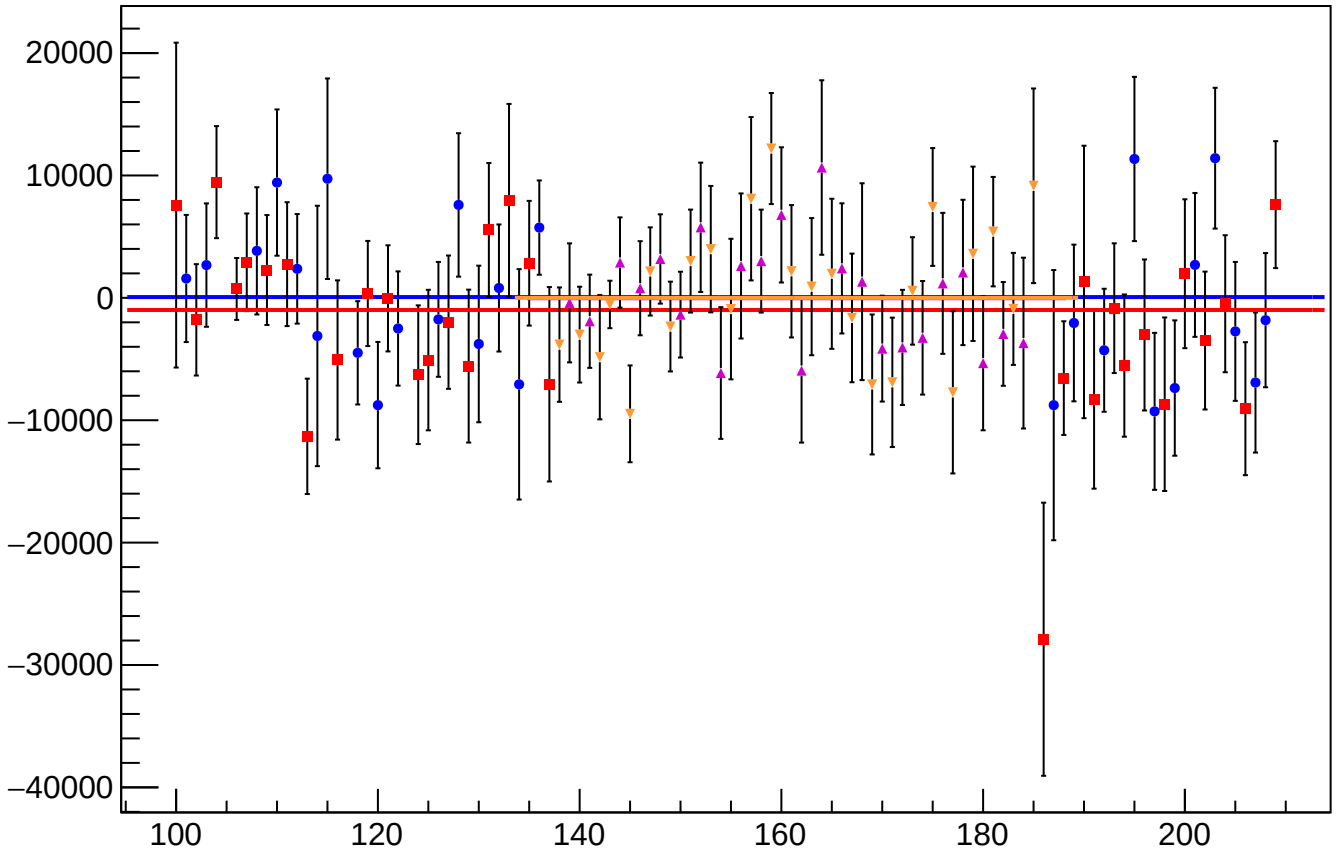
Right Out: 1288.848+/-0.223 χ^2/NDF: 482656.1/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716796.8/51

All: 1271.571+/-0.108 χ^2/NDF: 1246828.5/10

- sign 1272.079+/-0.152 χ^2/NDF: 530009.3/54



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

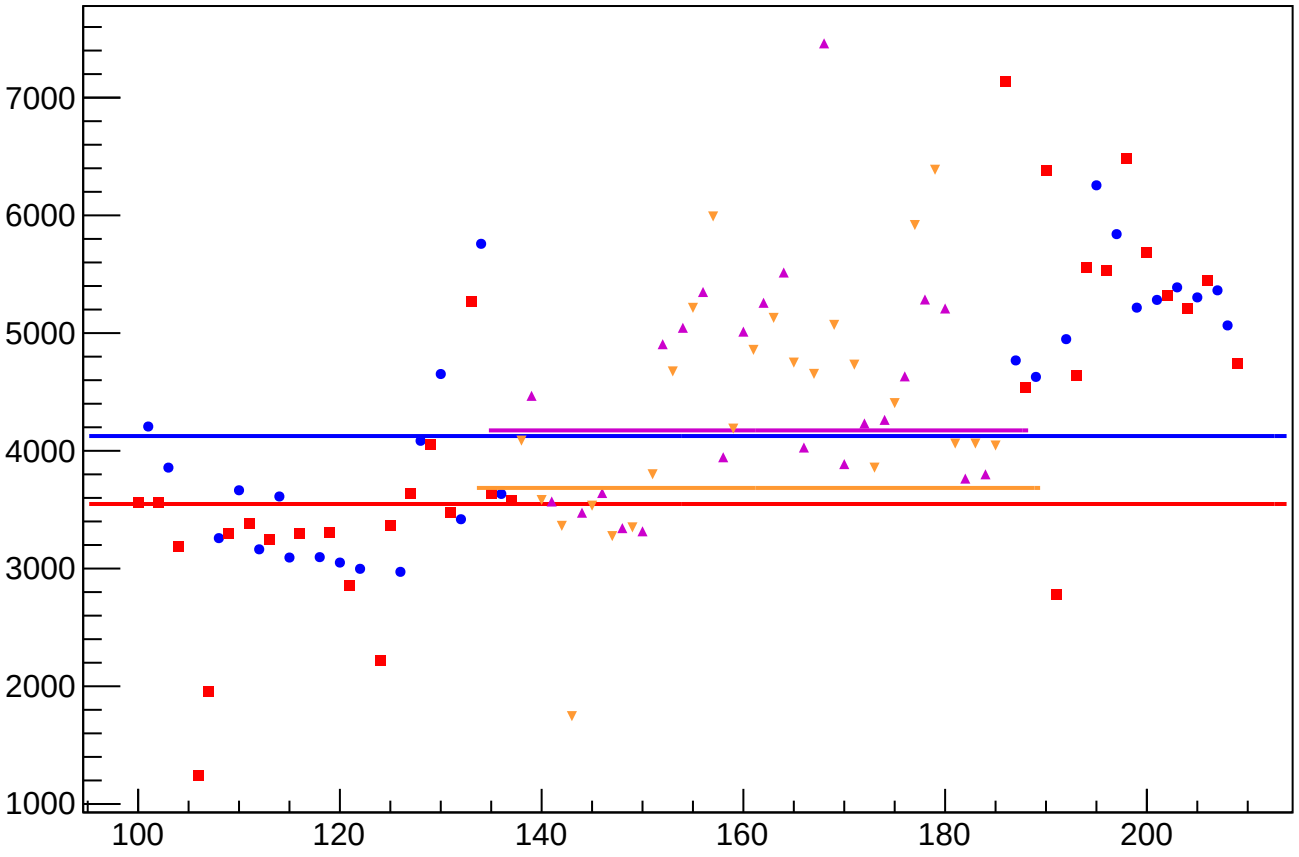
Right Out: -990.257+/-926.828 χ^2/NDF: 34.9/31

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 25.399+/-682.434 χ^2/NDF: 57.6/51

All: -261.562+/-481.085 χ^2/NDF: 107.4/106

- sign -545.055+/-678.298 χ^2/NDF: 49.4/54



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3548.368+/-0.655 χ^2/NDF: 4589244.6/31

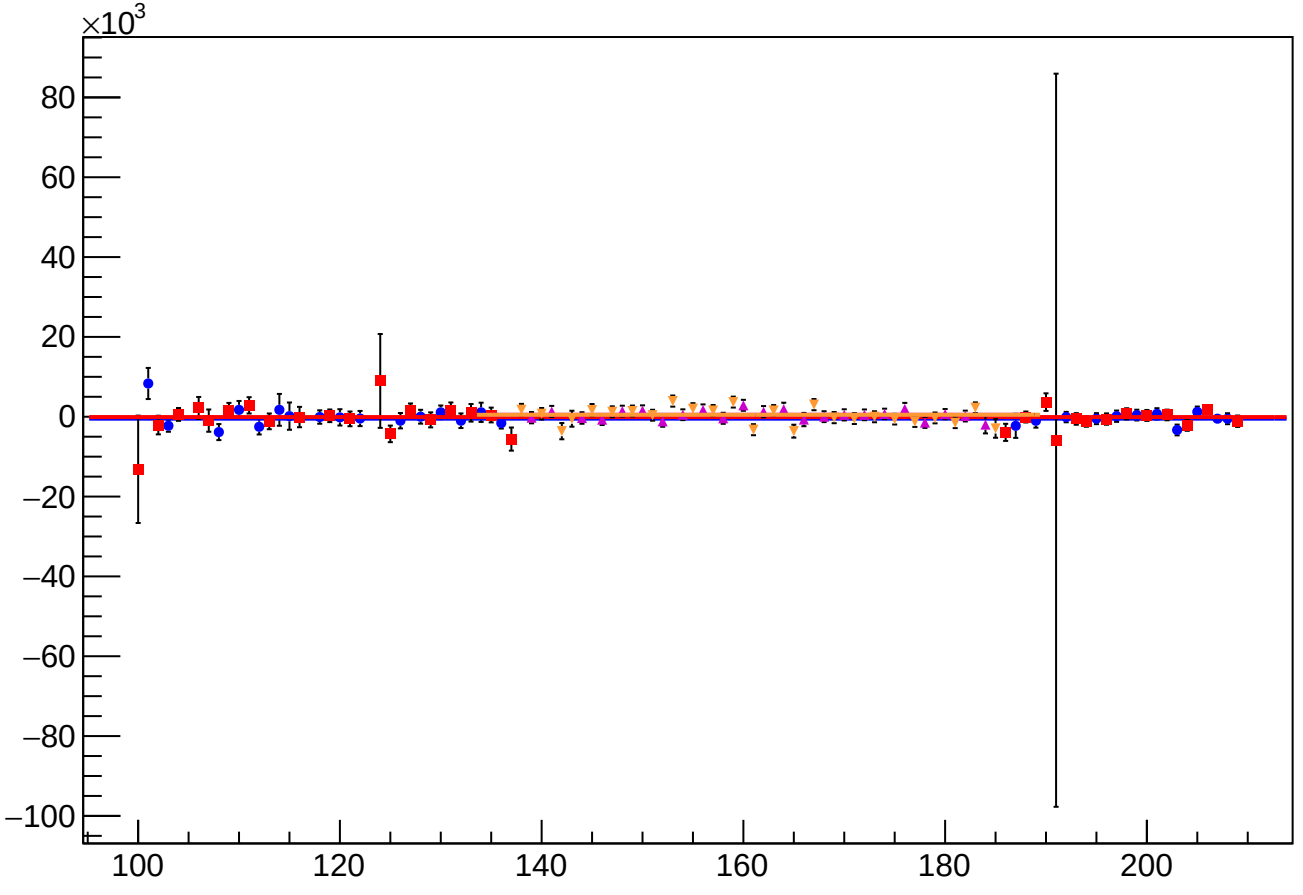
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3864.338+/-0.483 χ^2/NDF: 5591212.3/51

All: 3851.443+/-0.340 χ^2/NDF: 11879458.5/1

- sign 3838.704+/-0.480 χ^2/NDF: 6286826.8/54

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -84.649+/-316.044 χ^2/NDF: 29.0/31

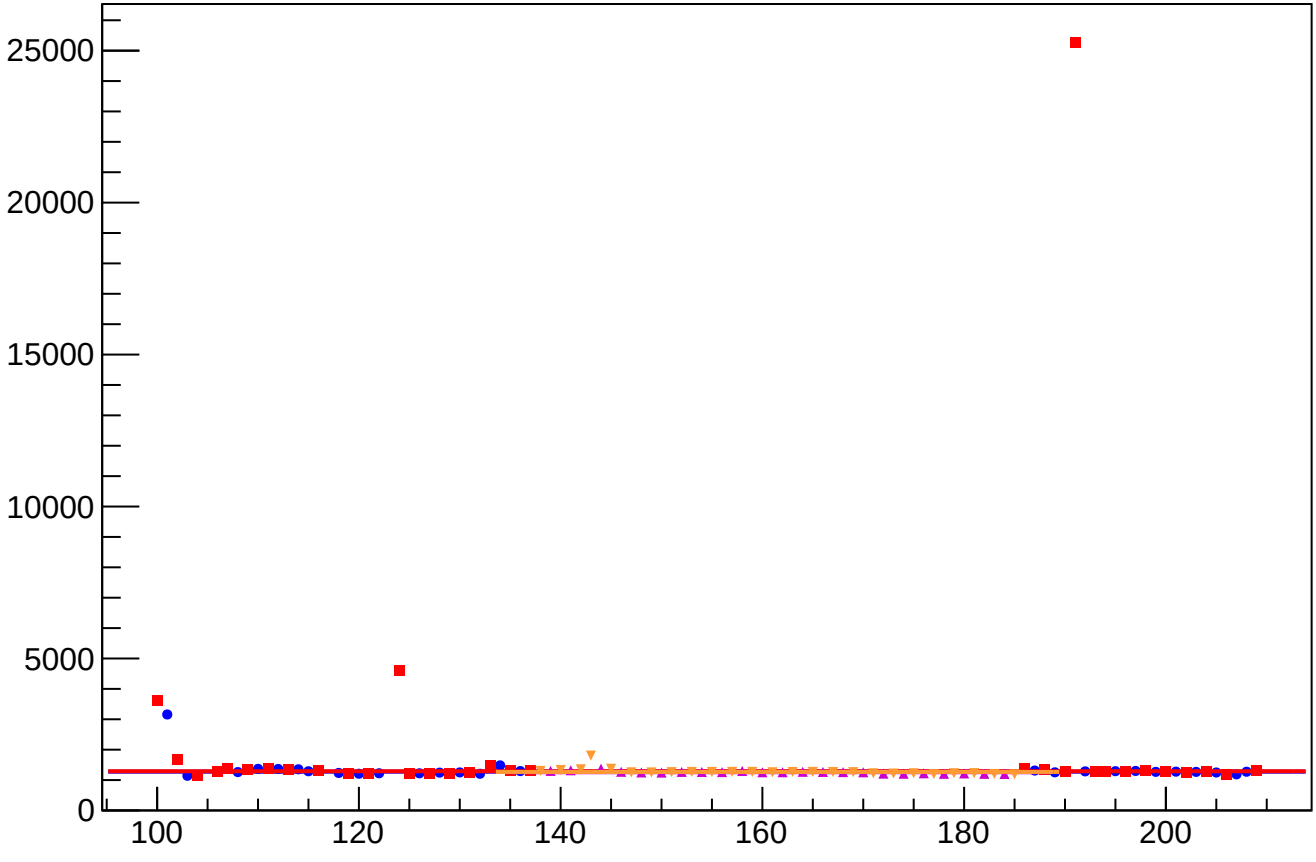
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 141.965+/-152.204 χ^2/NDF: 119.3/106

- sign 221.879+/-215.170 χ^2/NDF: 45.2/54

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

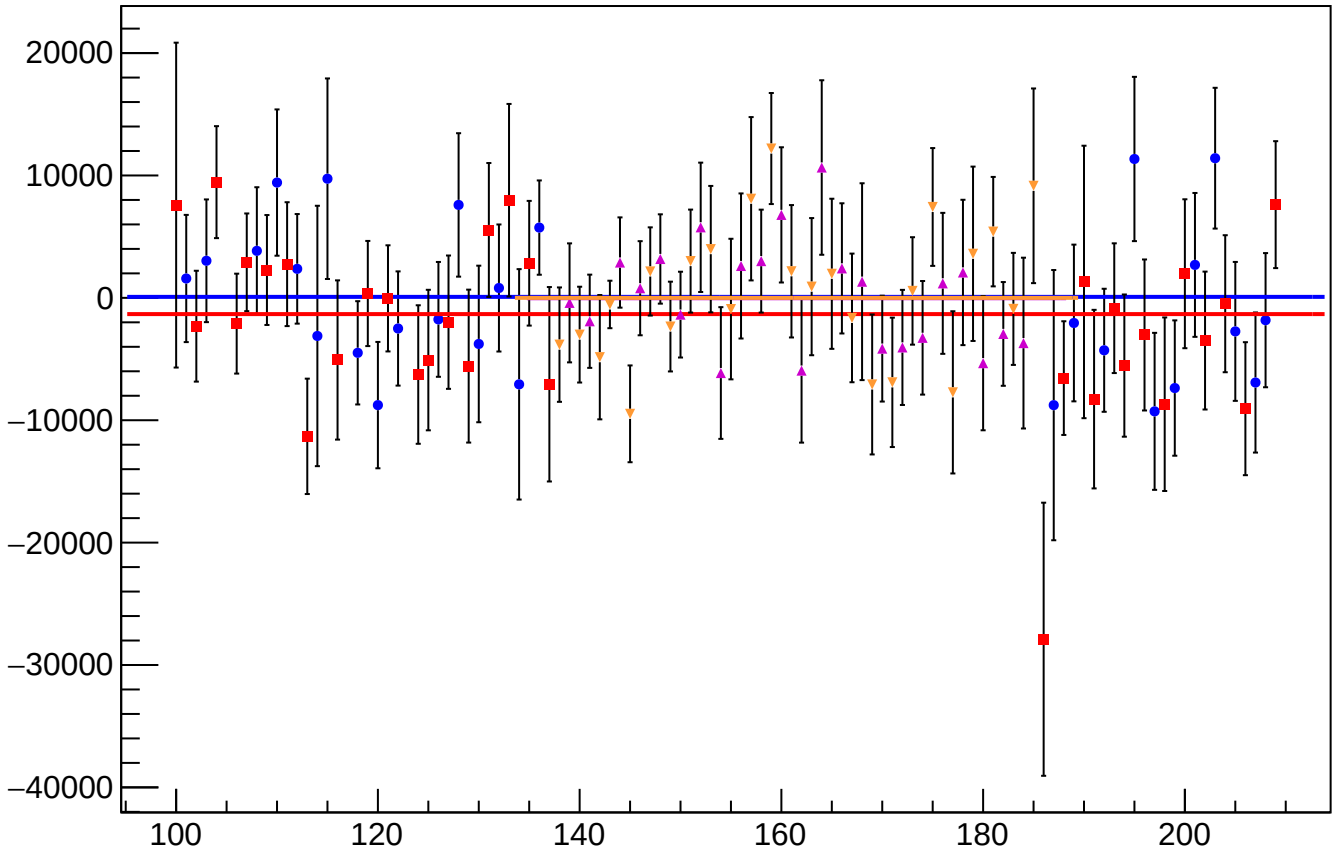
Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

- sign 1272.460+/-0.152 χ^2/NDF: 537461.9/54



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

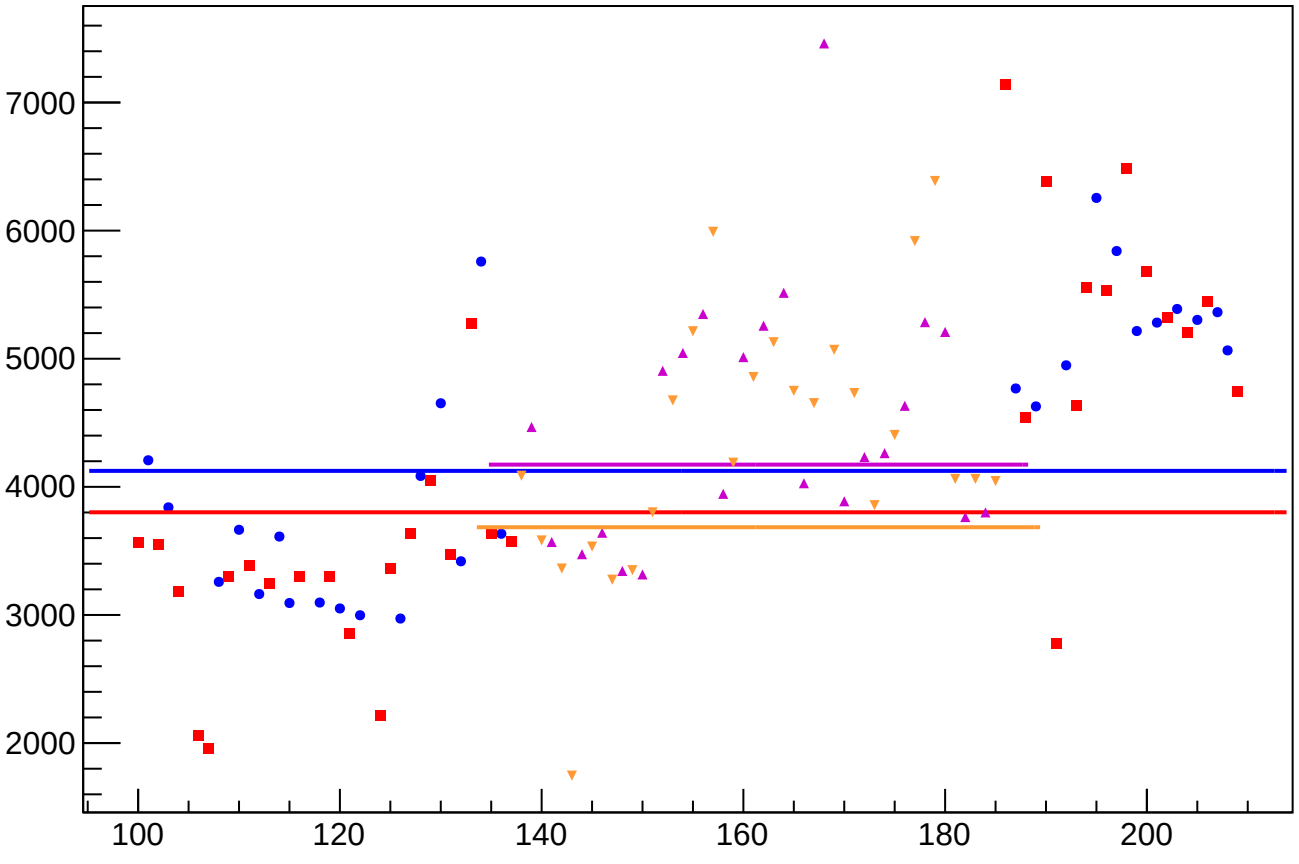
Right Out: -1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -326.680+/-486.480 χ^2/NDF: 107.6/106

- sign -697.836+/-693.741 χ^2/NDF: 49.4/54



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

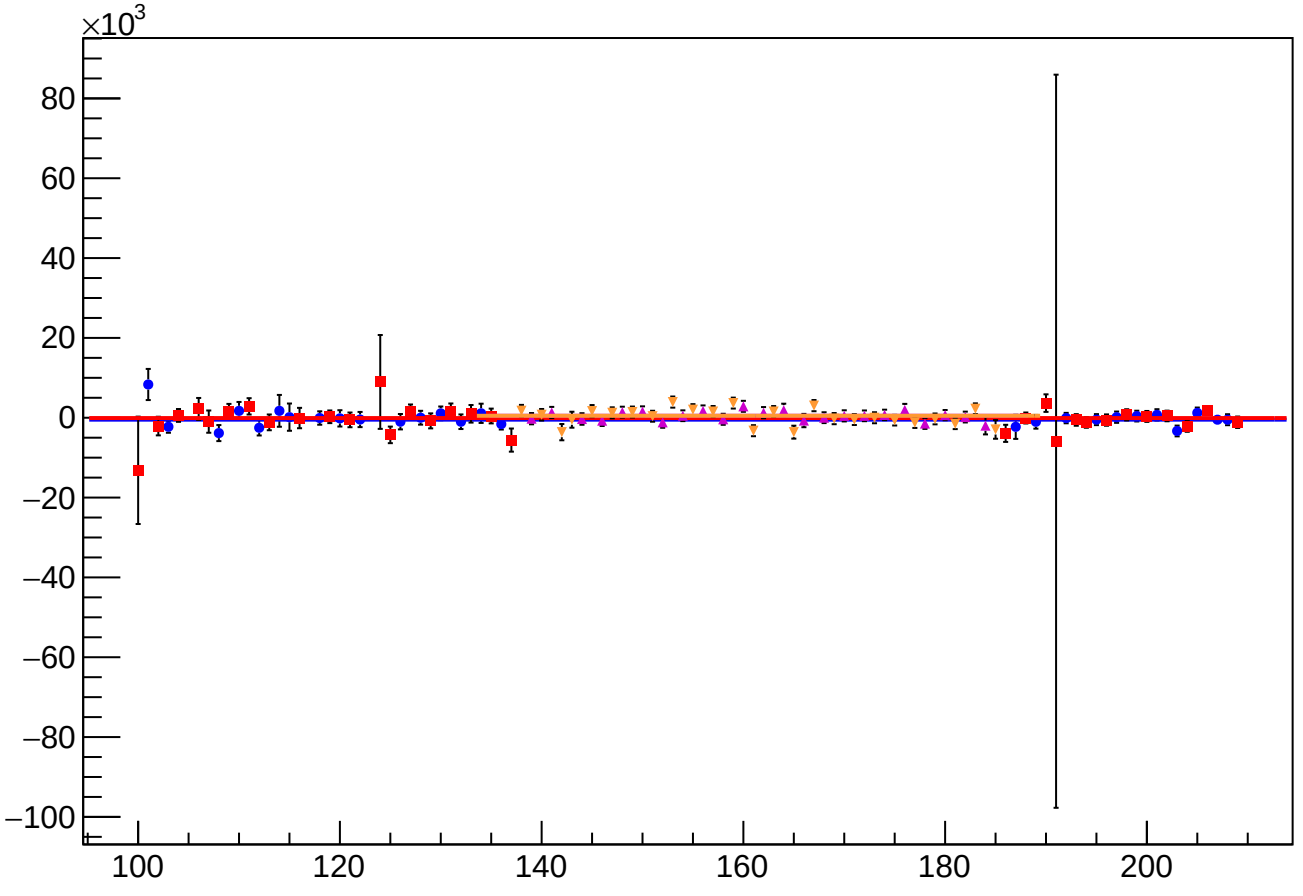
Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1

- sign 3982.216+/-0.491 χ^2/NDF: 4473353.8/54



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -84.649+/-316.044 χ^2/NDF: 29.0/31

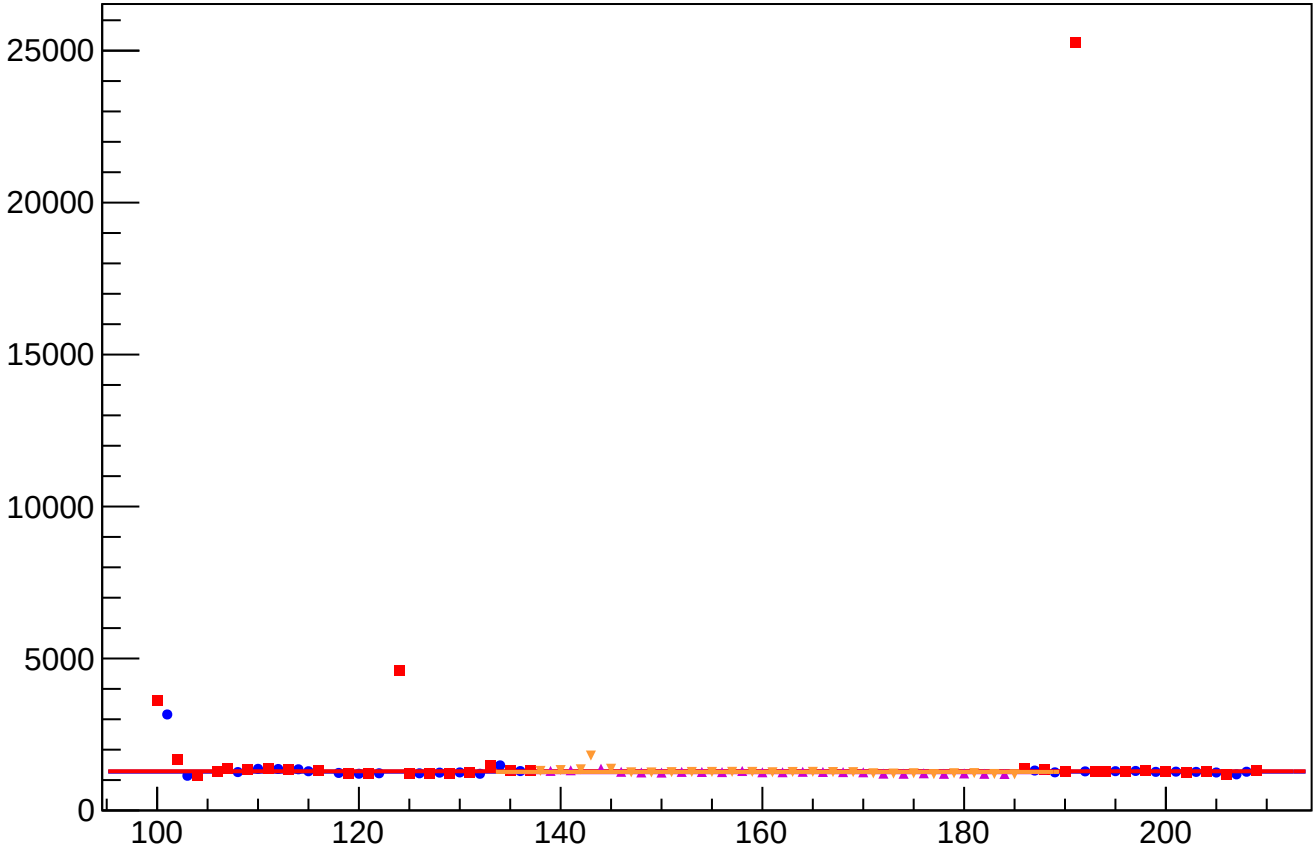
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 61.935+/-215.328 χ^2/NDF: 73.8/51

All: 141.965+/-152.204 χ^2/NDF: 119.3/106

- sign 221.879+/-215.170 χ^2/NDF: 45.2/54

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

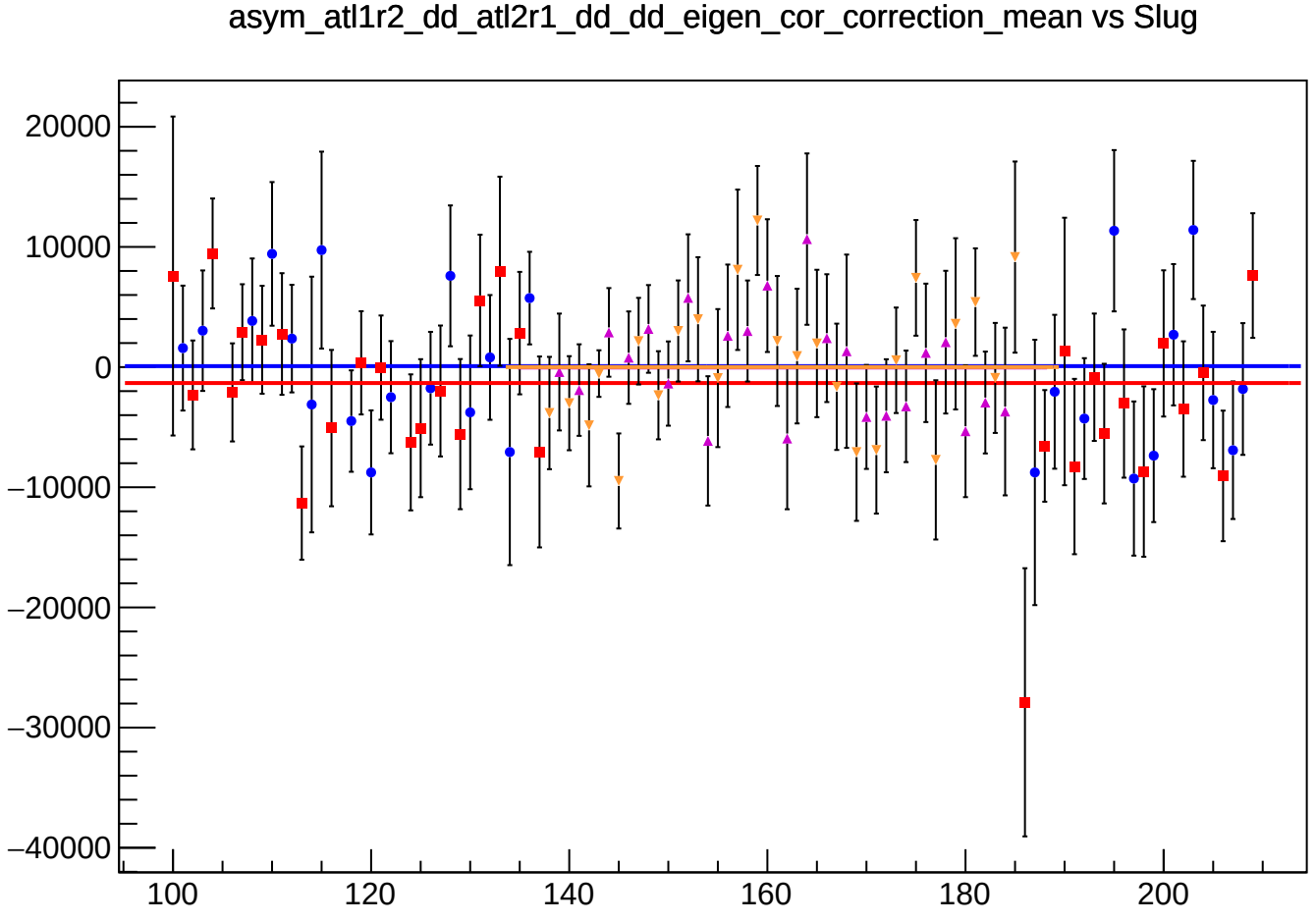
Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1271.062+/-0.152 χ^2/NDF: 716798.2/51

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

- sign 1272.460+/-0.152 χ^2/NDF: 537461.9/54



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

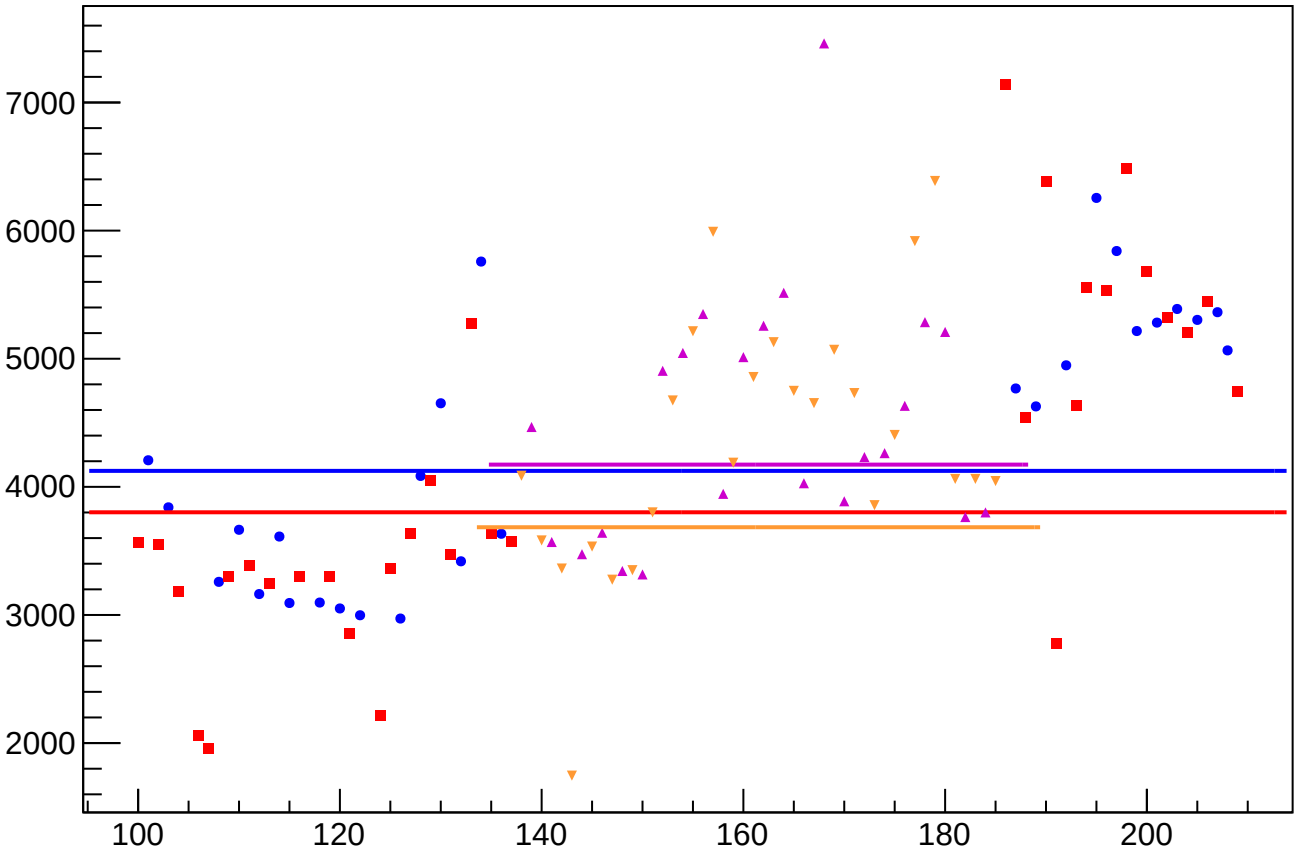
Right Out: -1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 32.411+/-682.372 χ^2/NDF: 57.7/51

All: -326.680+/-486.480 χ^2/NDF: 107.6/106

- sign -697.836+/-693.741 χ^2/NDF: 49.4/54



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

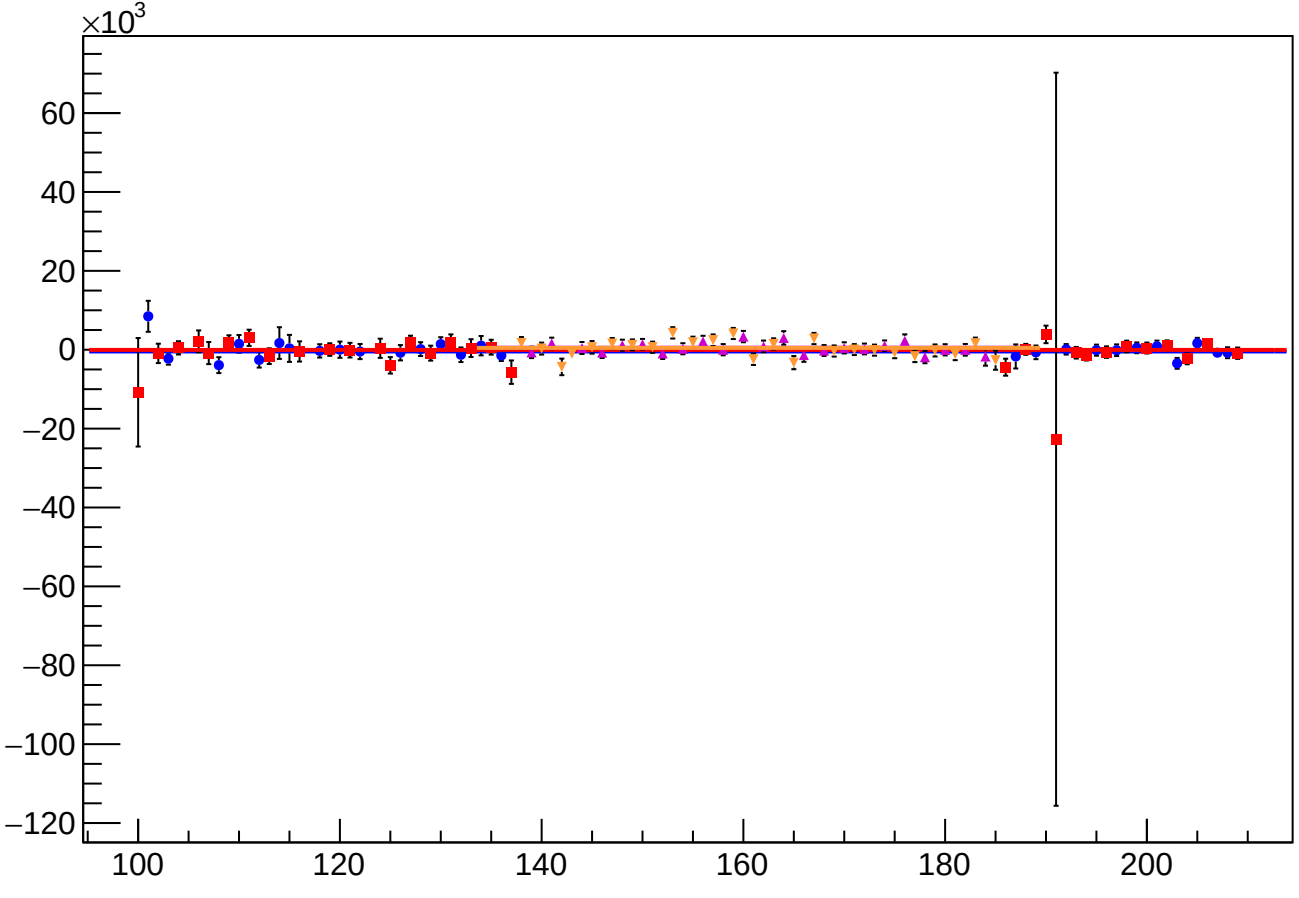
Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3864.026+/-0.483 χ^2/NDF: 5591359.7/51

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1

- sign 3982.216+/-0.491 χ^2/NDF: 4473353.8/54



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -47.938+/-318.441 χ^2/NDF: 29.4/31

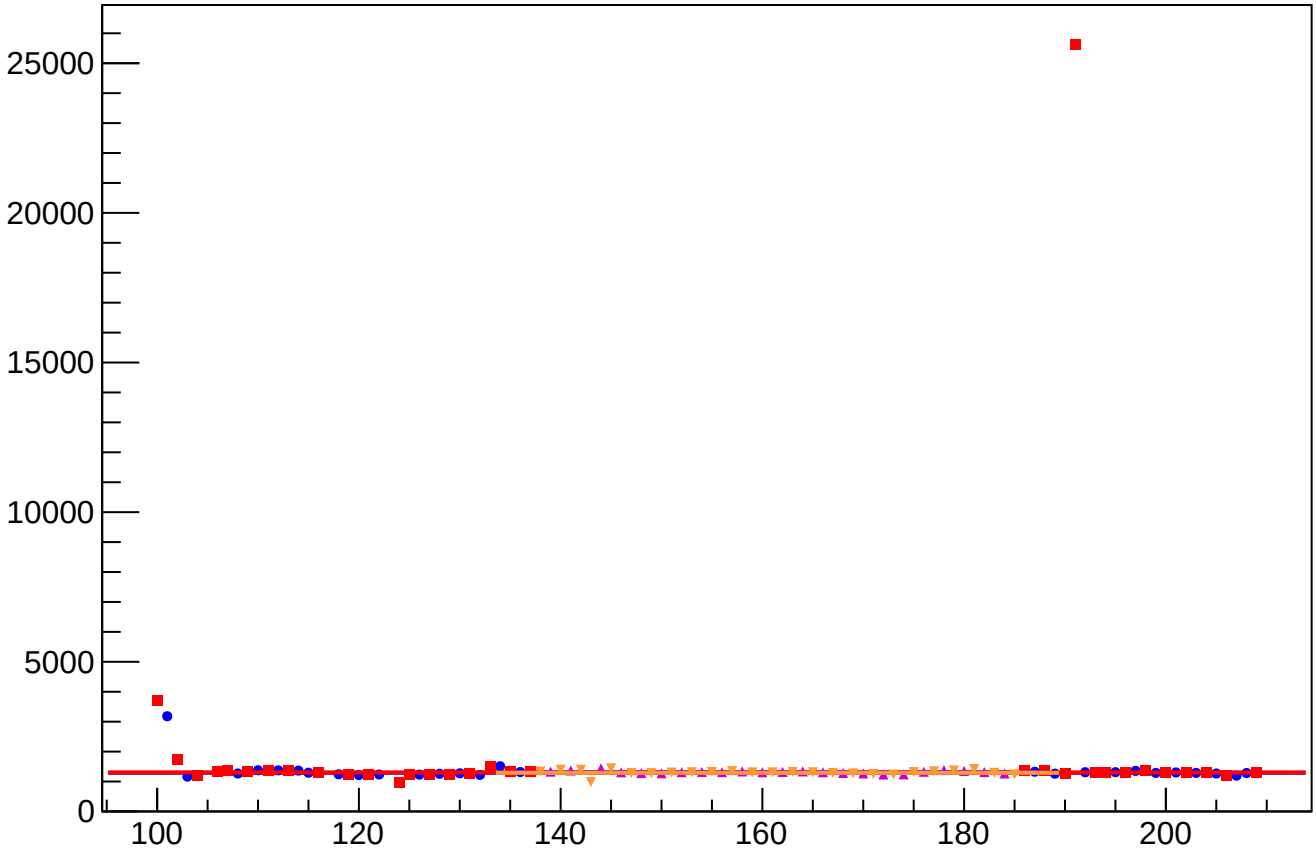
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 64.500+/-219.054 χ^2/NDF: 71.6/51

All: 150.392+/-155.591 χ^2/NDF: 120.2/106

- sign 237.845+/-221.036 χ^2/NDF: 48.3/54

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

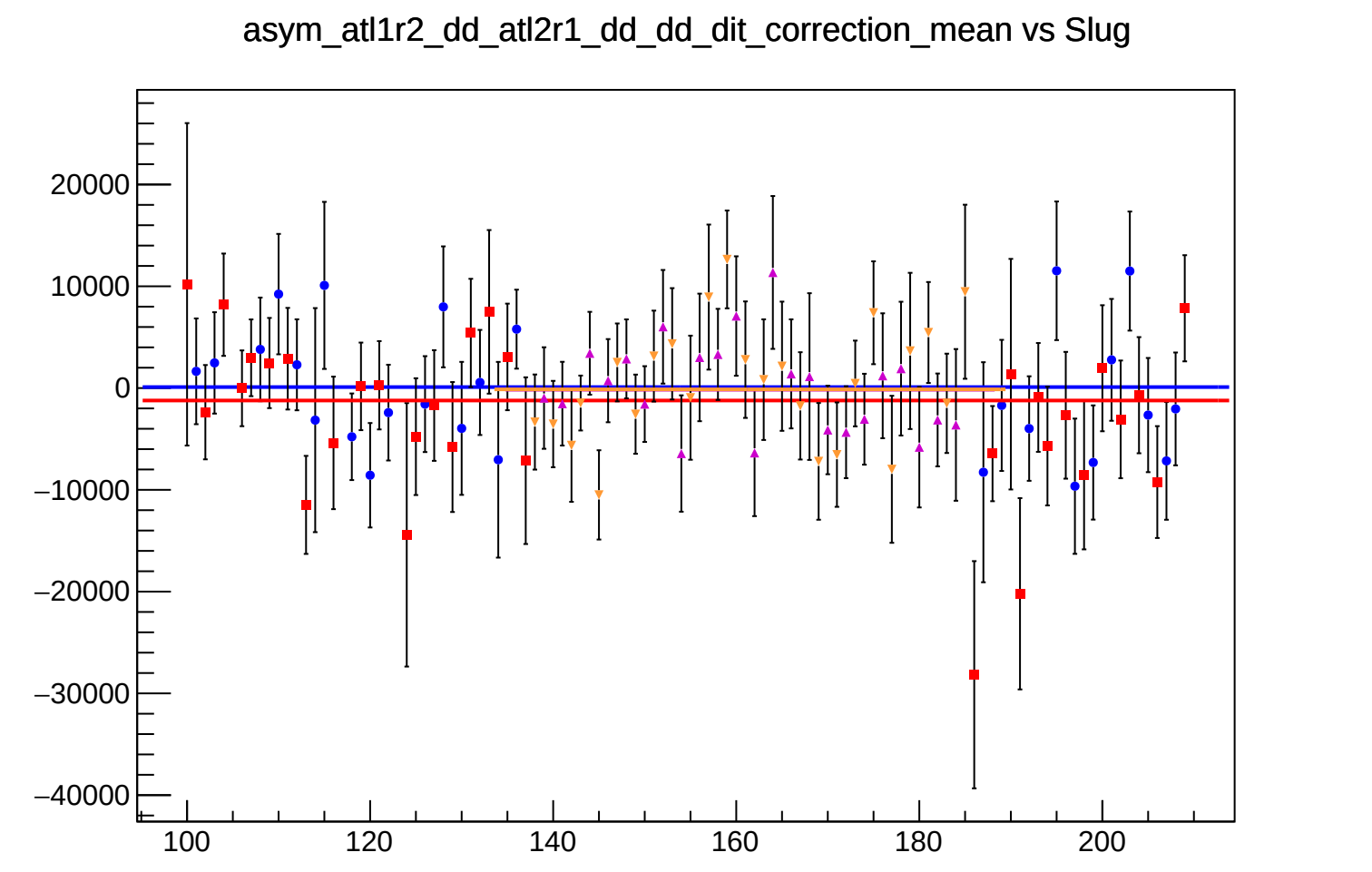
Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.7/31

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.414+/-0.155 χ^2/NDF: 759741.3/51

All: 1299.972+/-0.110 χ^2/NDF: 1187591.5/10

- sign 1307.665+/-0.156 χ^2/NDF: 423045.8/54



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

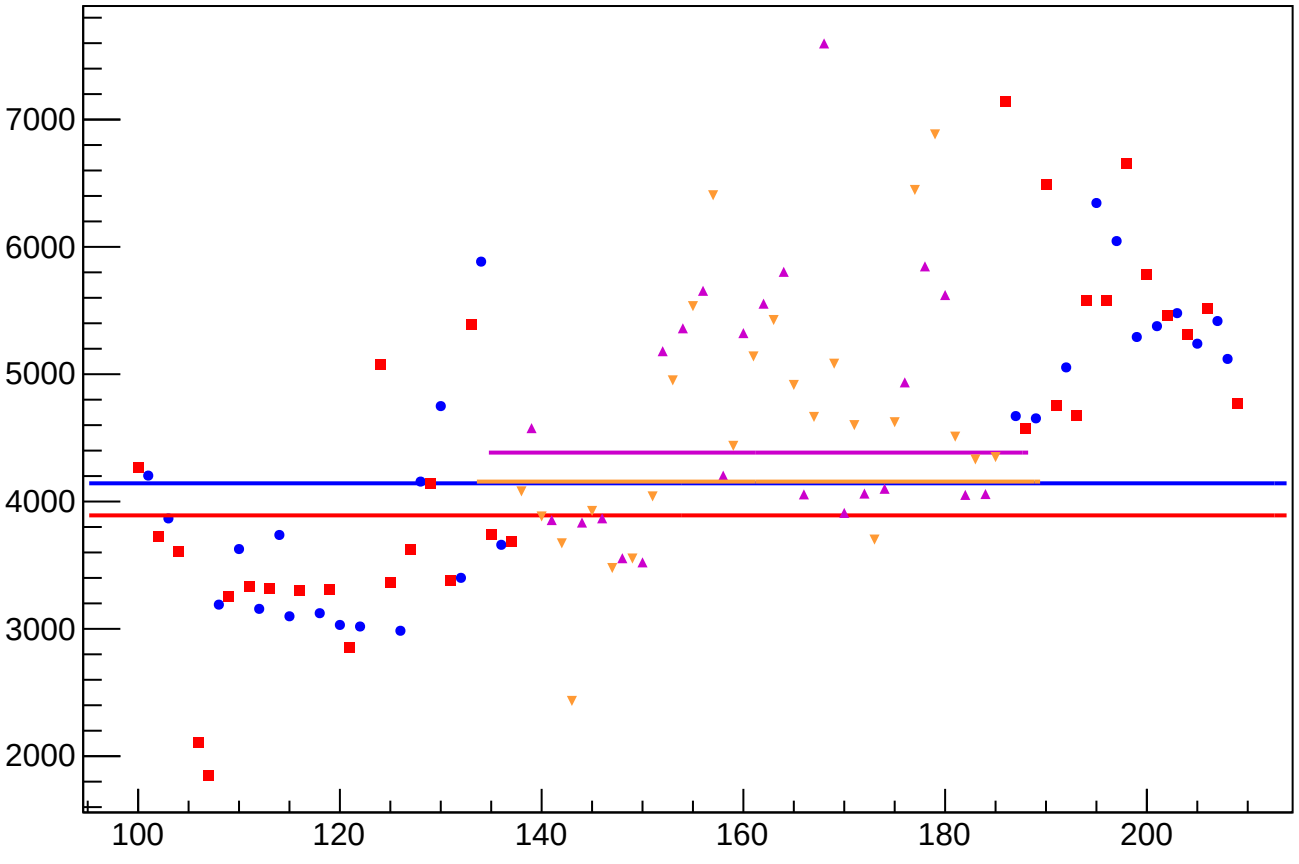
Right Out: -1222.316+/-984.024 χ^2/NDF: 36.2/31

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -25.222+/-723.091 χ^2/NDF: 57.0/51

All: -377.303+/-508.978 χ^2/NDF: 108.0/106

- sign -723.054+/-716.561 χ^2/NDF: 50.5/54



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

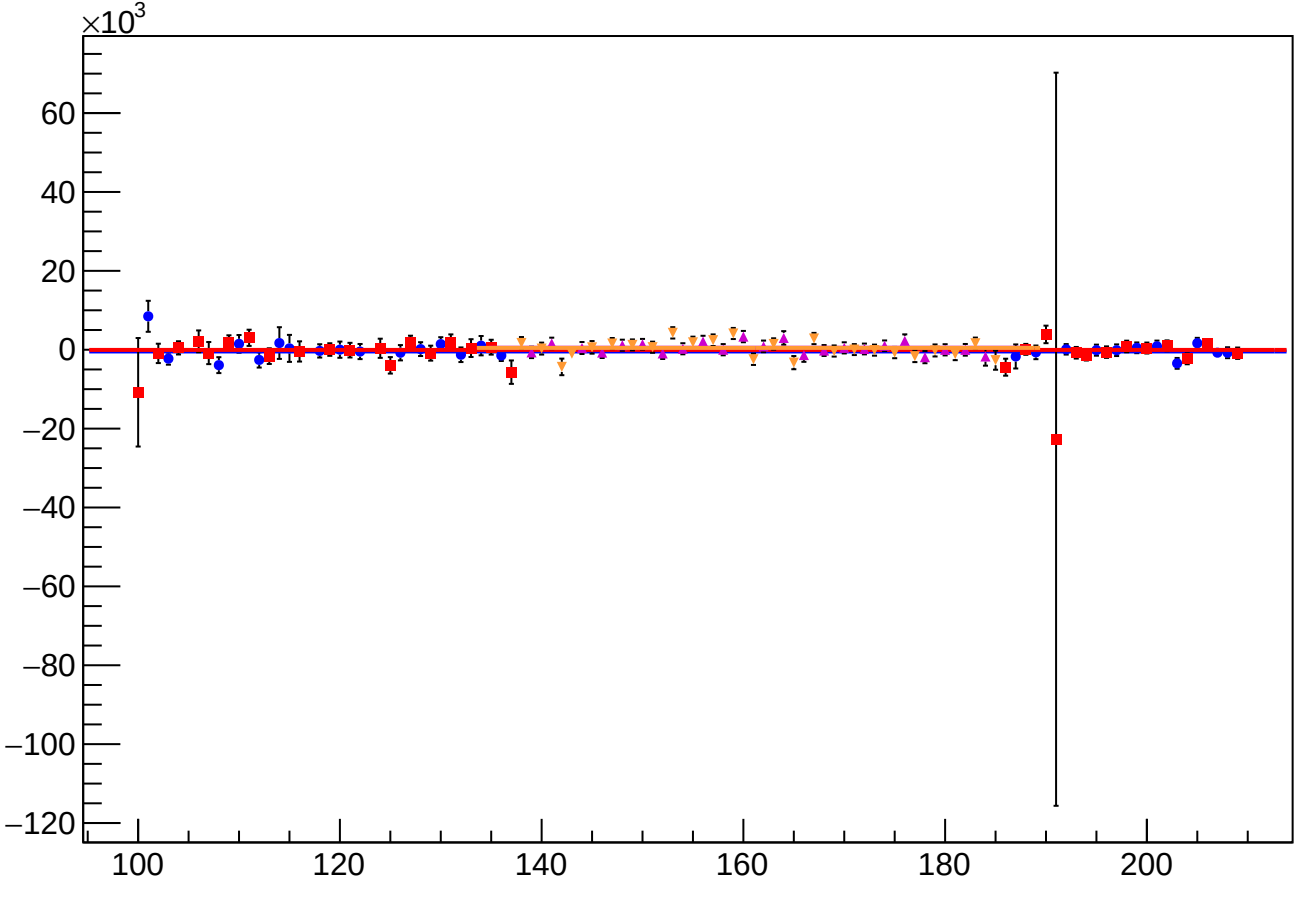
Right Out: 3891.188+/-0.696 χ^2/NDF: 3116996.9/31

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4150.473+/-0.511 χ^2/NDF: 3866181.9/51

All: 4136.526+/-0.360 χ^2/NDF: 8476063.9/10

- sign 4122.829+/-0.507 χ^2/NDF: 4608407.2/54



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

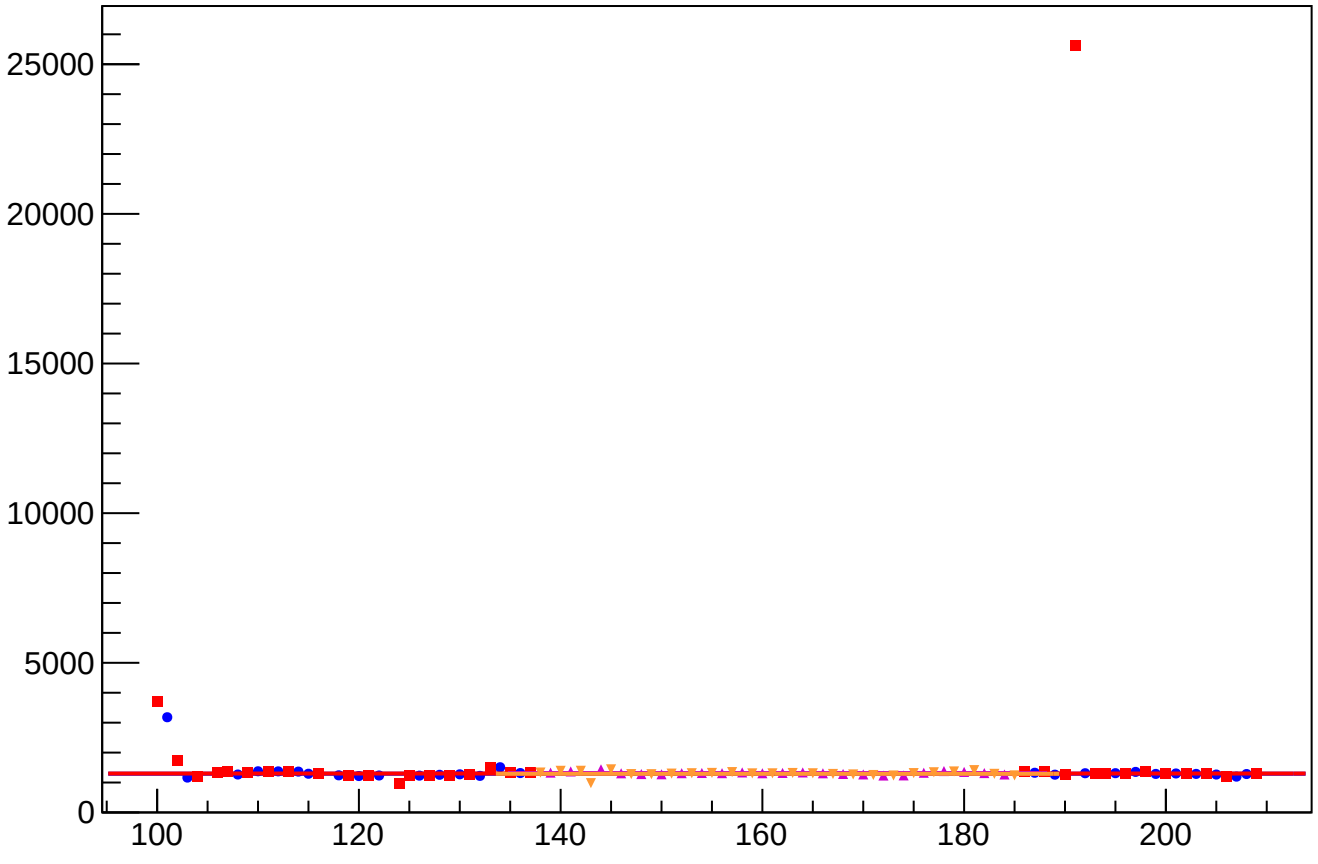
Right Out: -47.936+/-318.441 χ^2/NDF: 29.4/31

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 64.501+/-219.054 χ^2/NDF: 71.6/51

All: 150.393+/-155.591 χ^2/NDF: 120.2/106

- sign 237.846+/-221.037 χ^2/NDF: 48.3/54



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

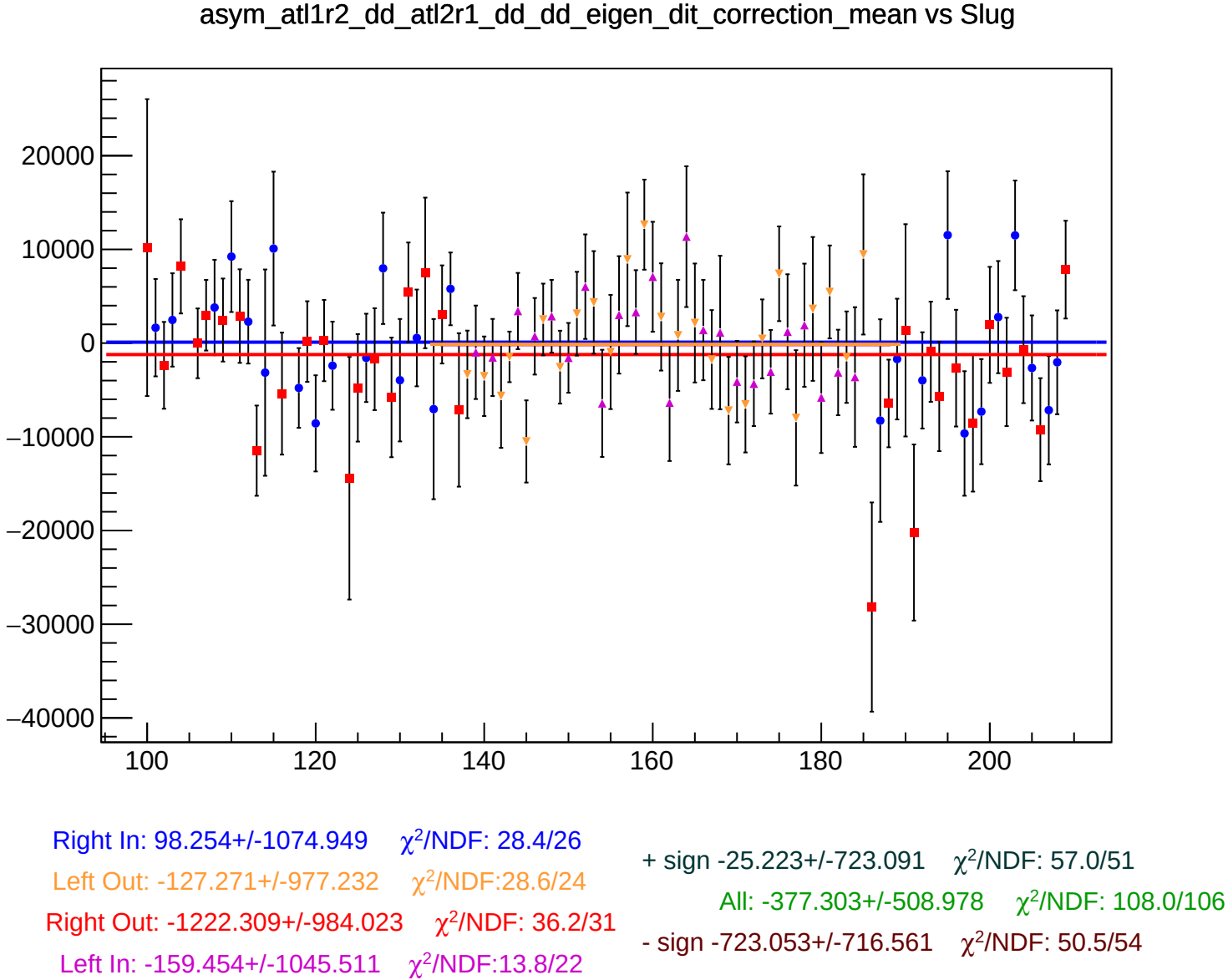
Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.8/31

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.415+/-0.155 χ^2/NDF: 759743.7/51

All: 1299.973+/-0.110 χ^2/NDF: 1187596.6/10

- sign 1307.666+/-0.156 χ^2/NDF: 423048.3/54


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug
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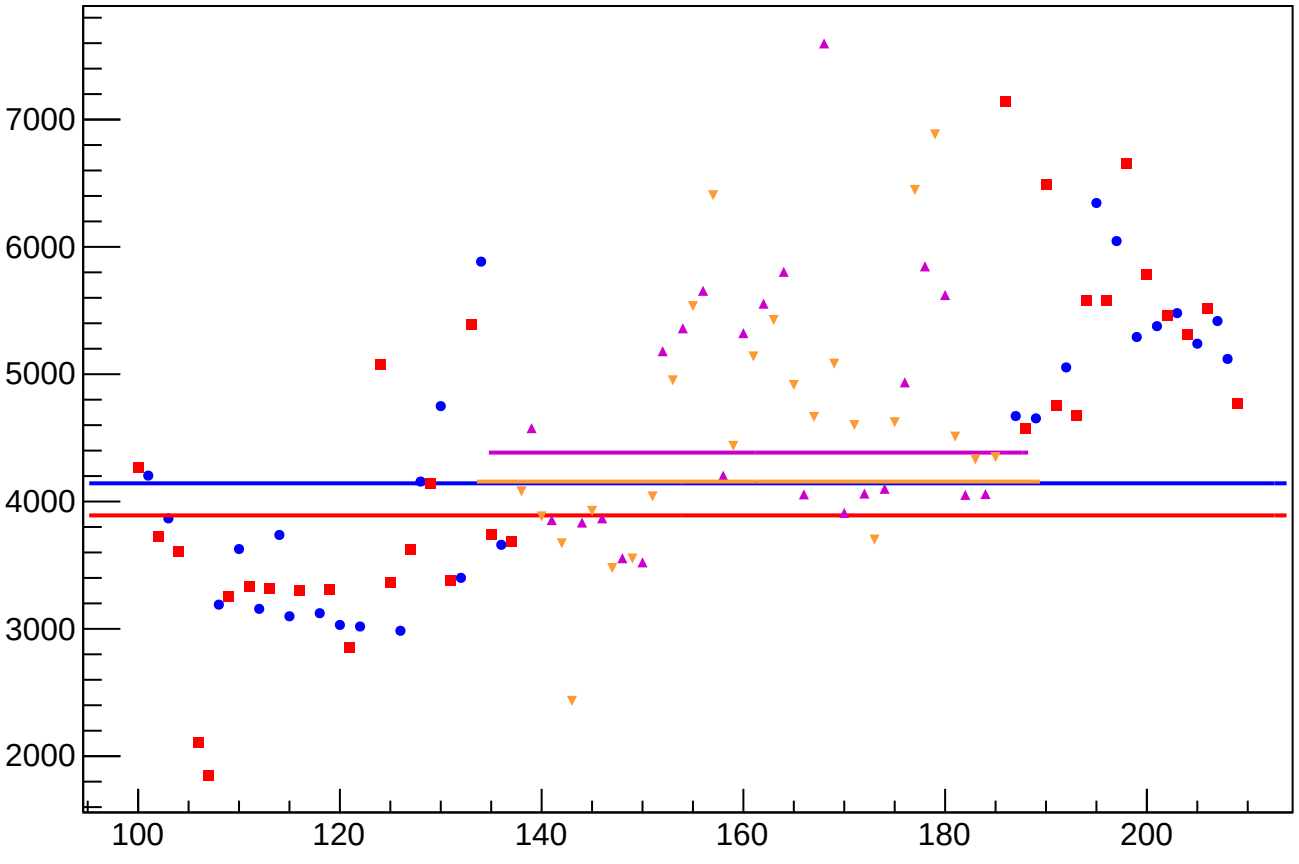
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 98.254+/-1074.949 χ²/NDF: 28.4/26
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: -1222.309+/-984.023 χ²/NDF: 36.2/31
Left In: -159.454+/-1045.511 χ²/NDF:13.8/22
+ sign -25.223+/-723.091 χ²/NDF: 57.0/51
All: -377.303+/-508.978 χ²/NDF: 108.0/106
- sign -723.053+/-716.561 χ²/NDF: 50.5/54



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3891.181+/-0.696 χ^2/NDF: 3117026.5/31

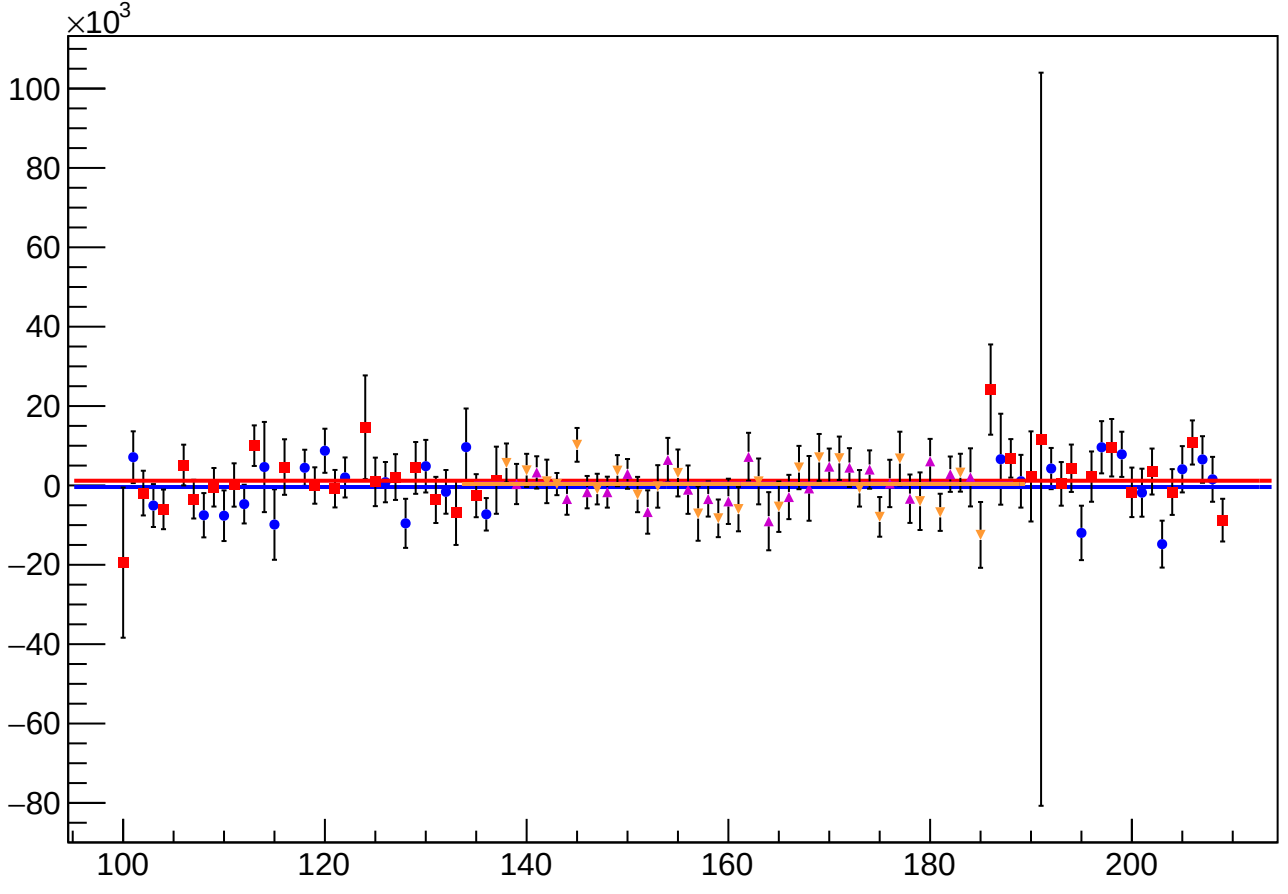
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4150.474+/-0.511 χ^2/NDF: 3866216.0/51

All: 4136.526+/-0.360 χ^2/NDF: 8476144.2/10

- sign 4122.828+/-0.507 χ^2/NDF: 4608453.3/54

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1182.217+/-1068.563 χ^2/NDF: 26.3/31

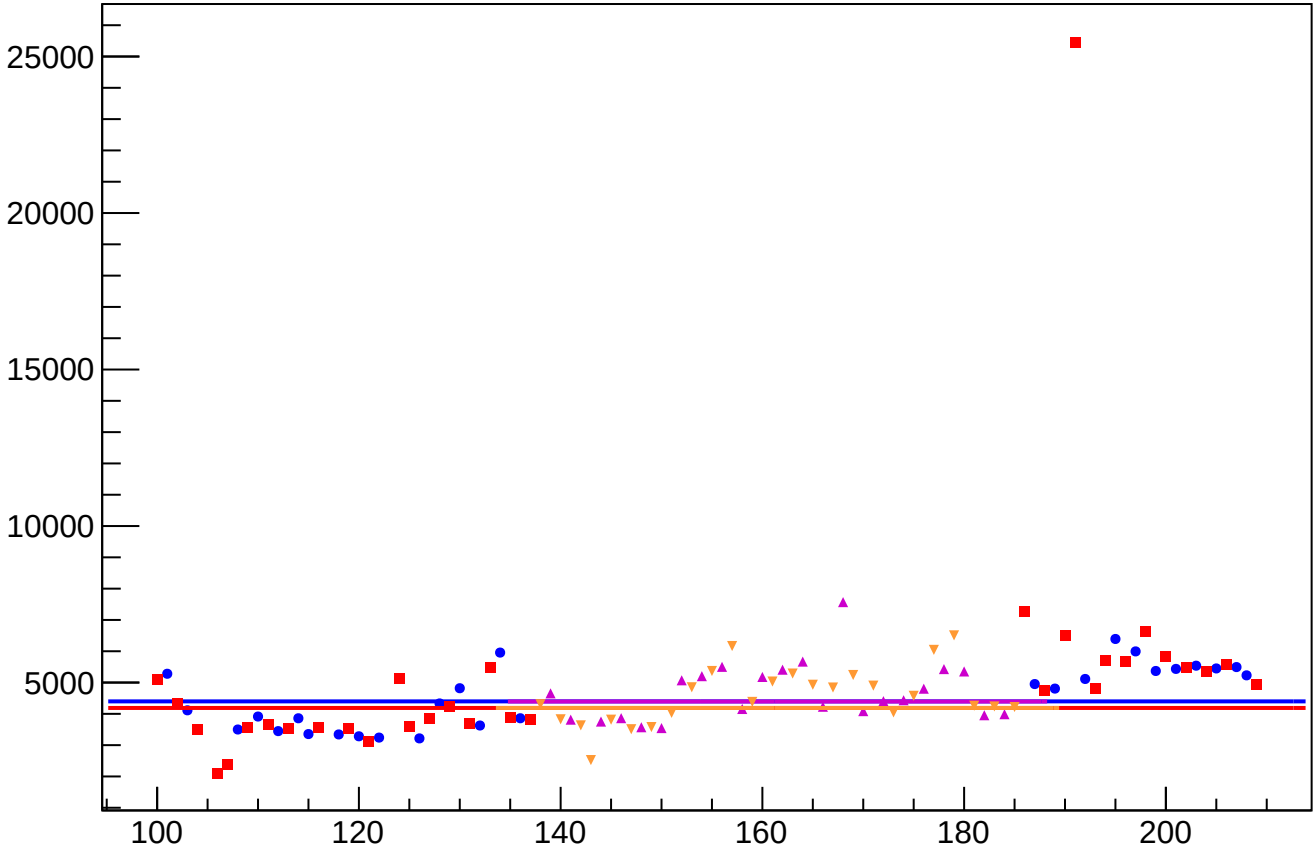
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 35.446+/-741.724 χ^2/NDF: 62.5/51

All: 430.964+/-526.337 χ^2/NDF: 103.4/106

\- sign 832.141+/-747.011 χ^2/NDF: 40.4/54

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

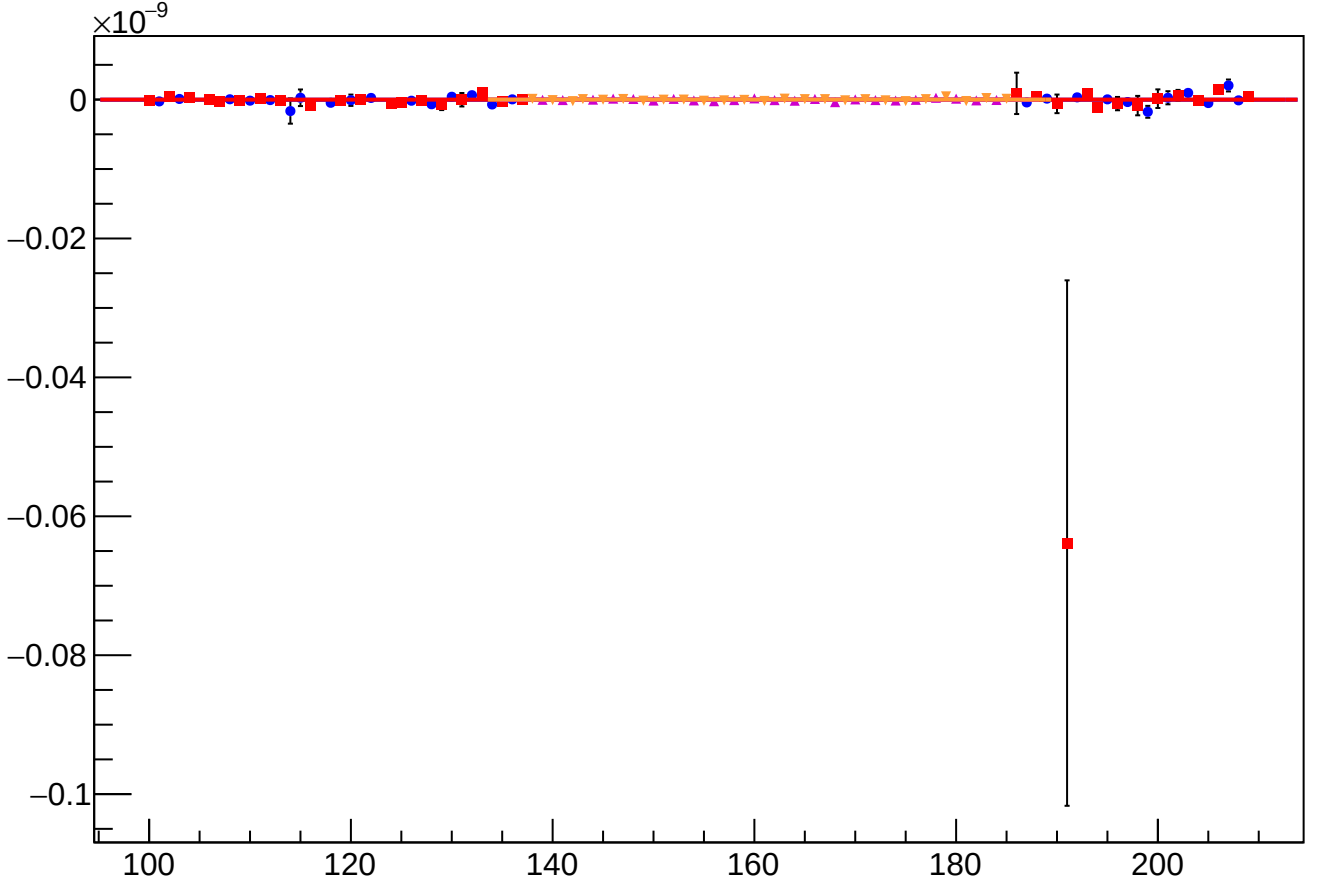
Right Out: 4188.173+/-0.749 χ^2/NDF: 2491206.0/31

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4277.825+/-0.524 χ^2/NDF: 3291843.3/51

All: 4285.225+/-0.371 χ^2/NDF: 6910246.6/10

- sign 4292.666+/-0.526 χ^2/NDF: 3618004.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

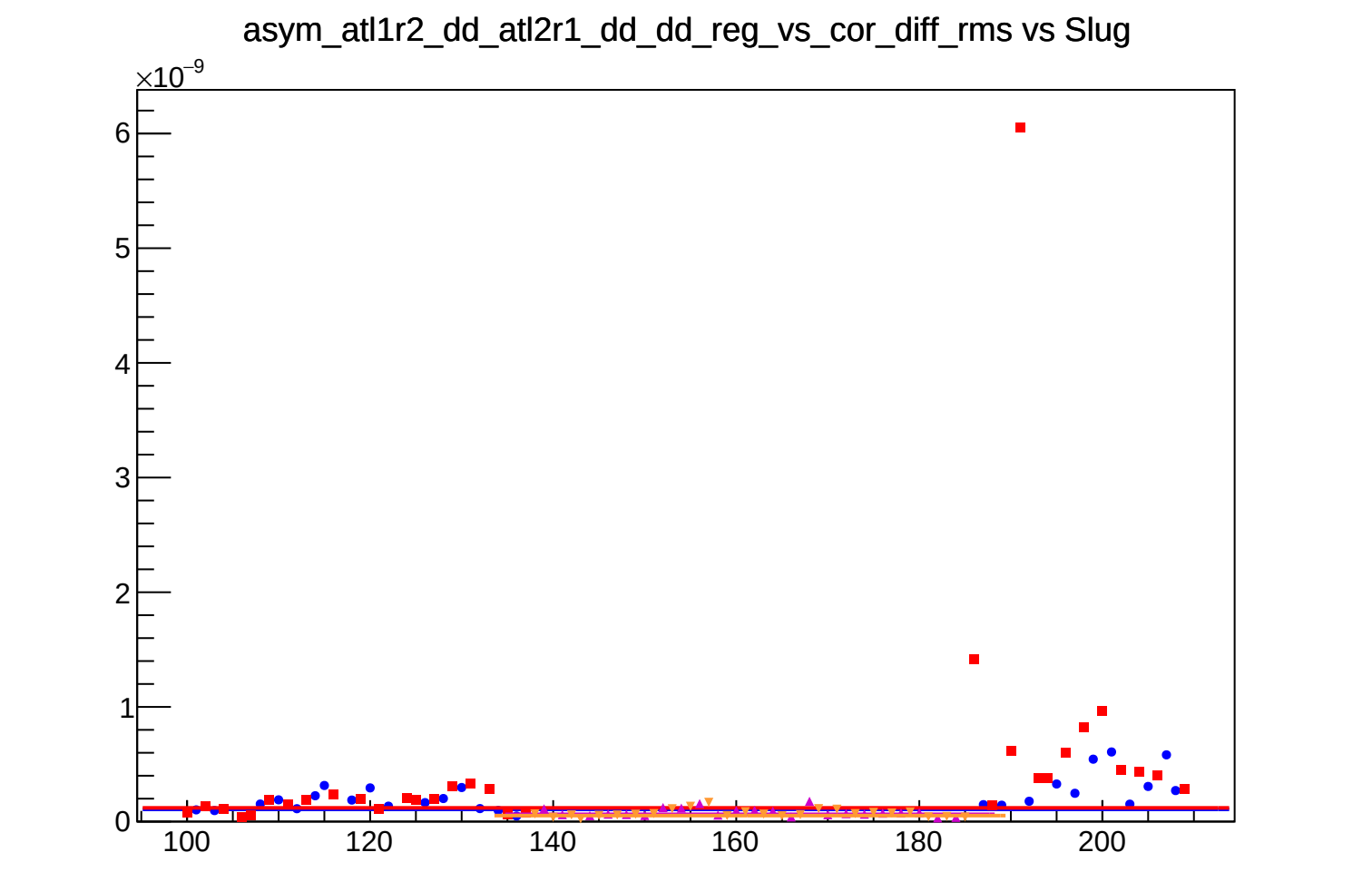
Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/31

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/51

All: -0.000+/-0.000 χ^2/NDF: 116.0/106

- sign -0.000+/-0.000 χ^2/NDF: 50.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

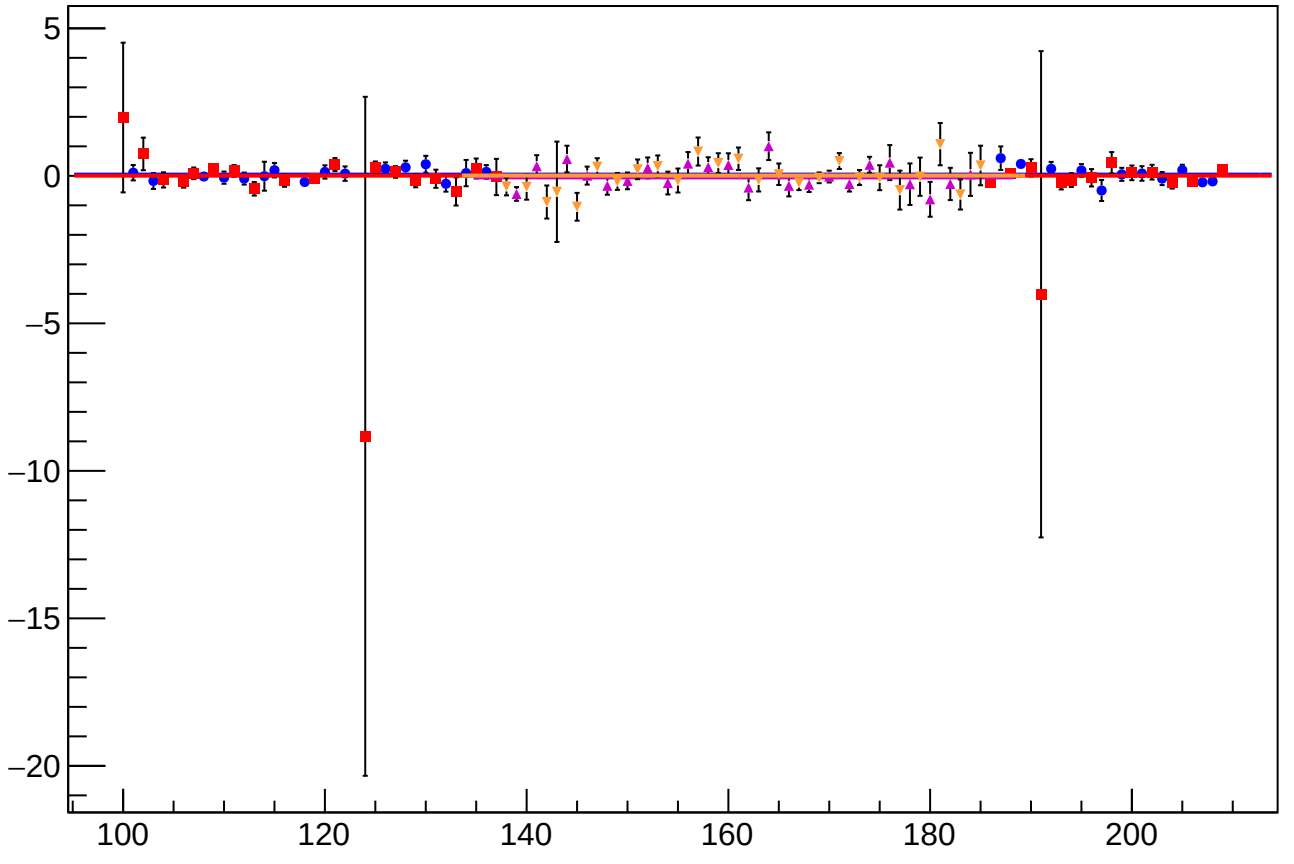
Right Out: 0.000+/-0.000 χ^2/NDF: 6669039.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8562393.4/51

All: 0.000+/-0.000 χ^2/NDF: 18791348.4/106

- sign 0.000+/-0.000 χ^2/NDF: 9927052.6/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

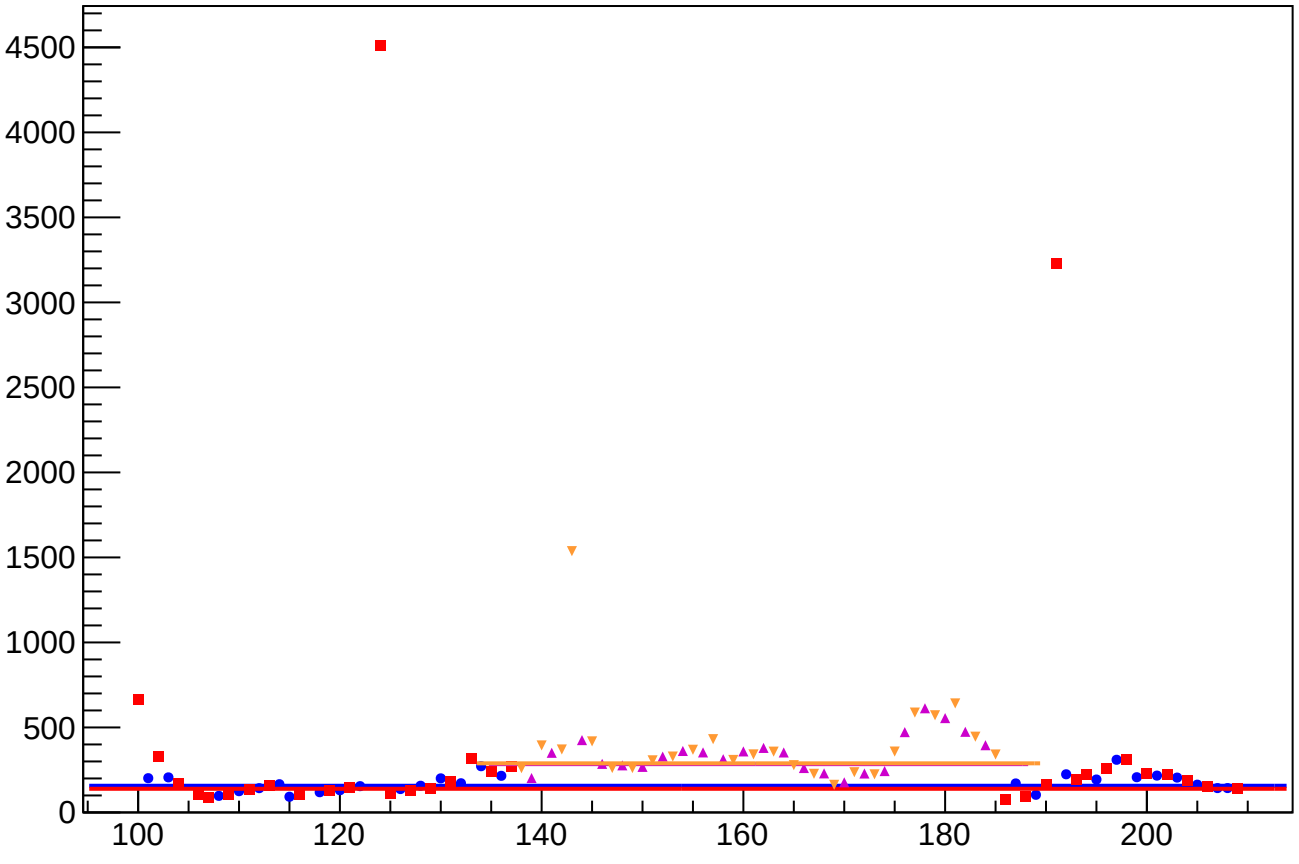
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

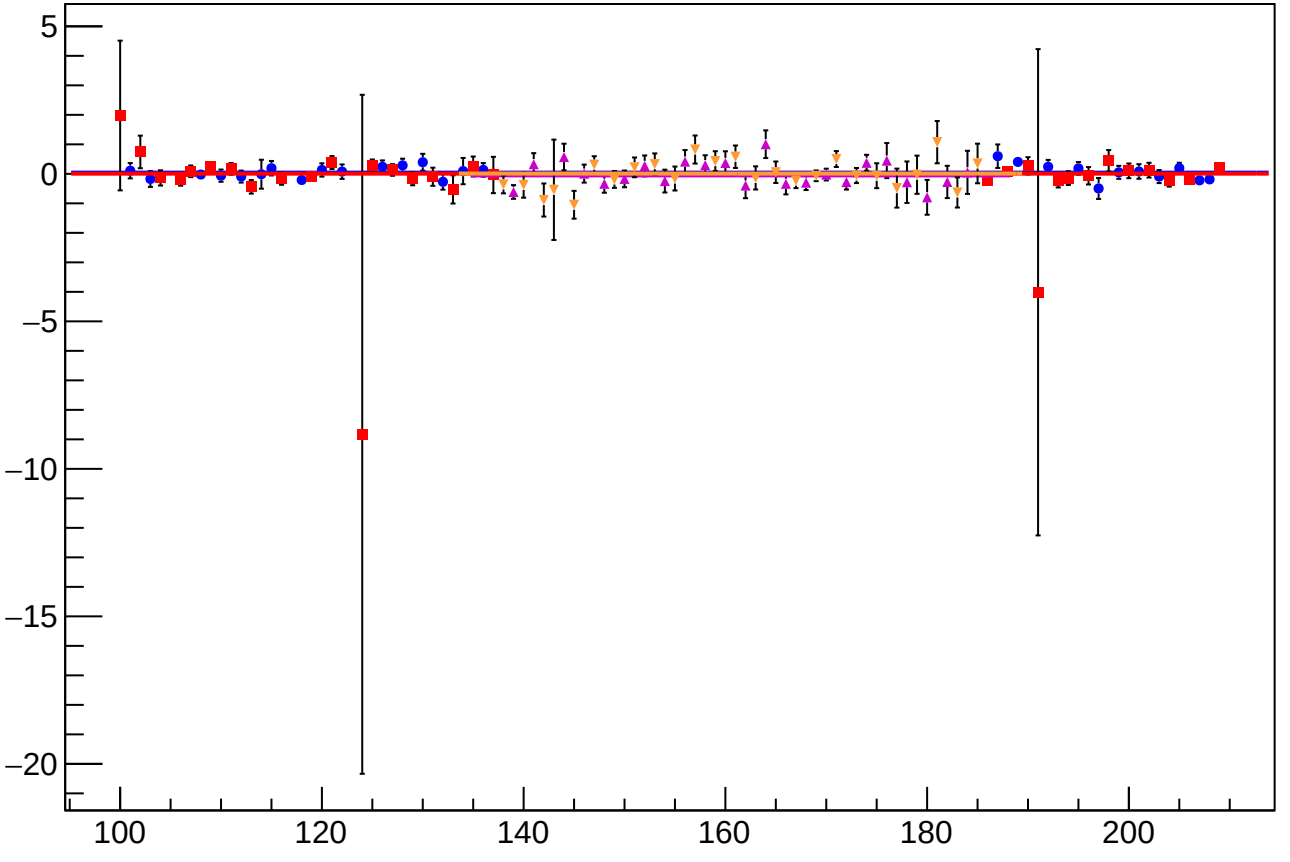
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

- sign 171.355+/-0.023 χ^2/NDF: 14349054.2/54

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

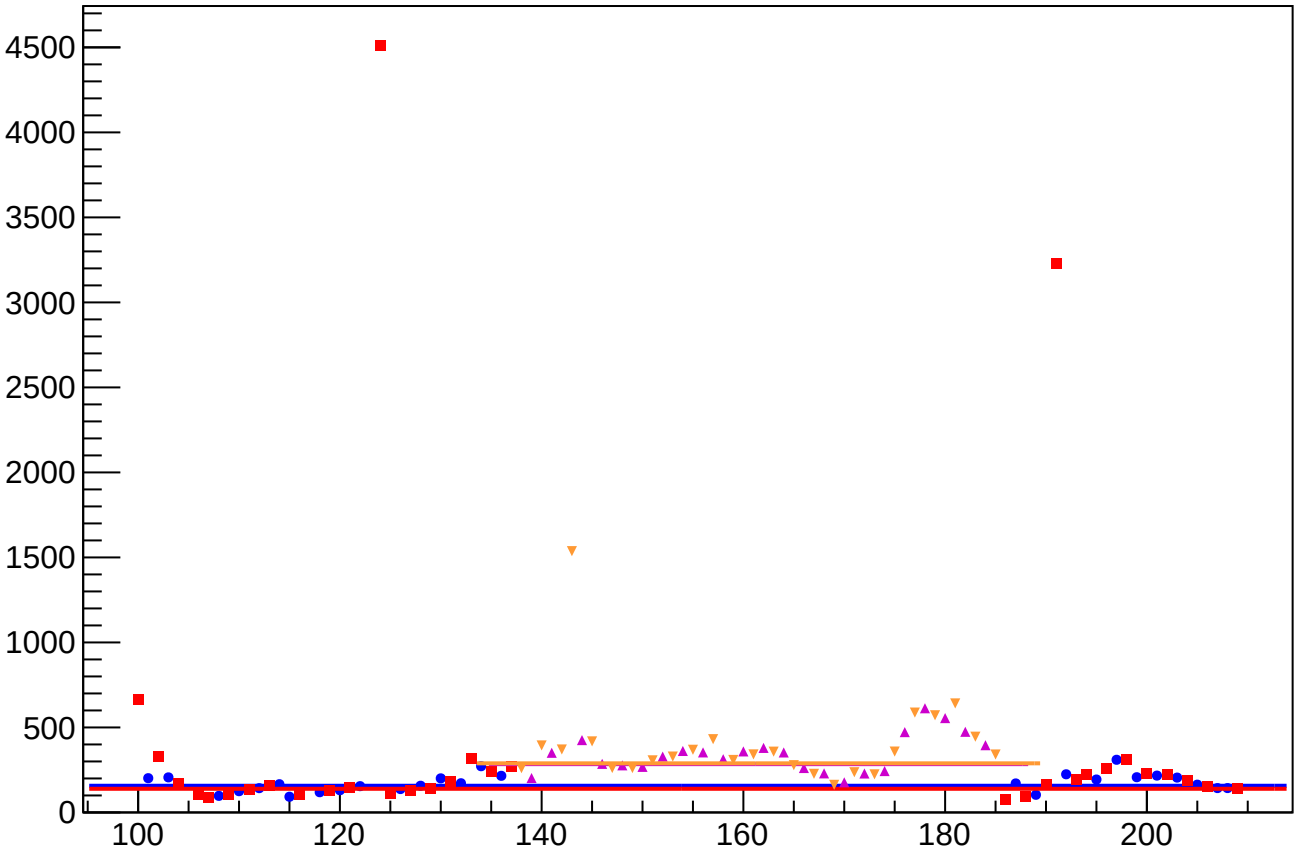
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

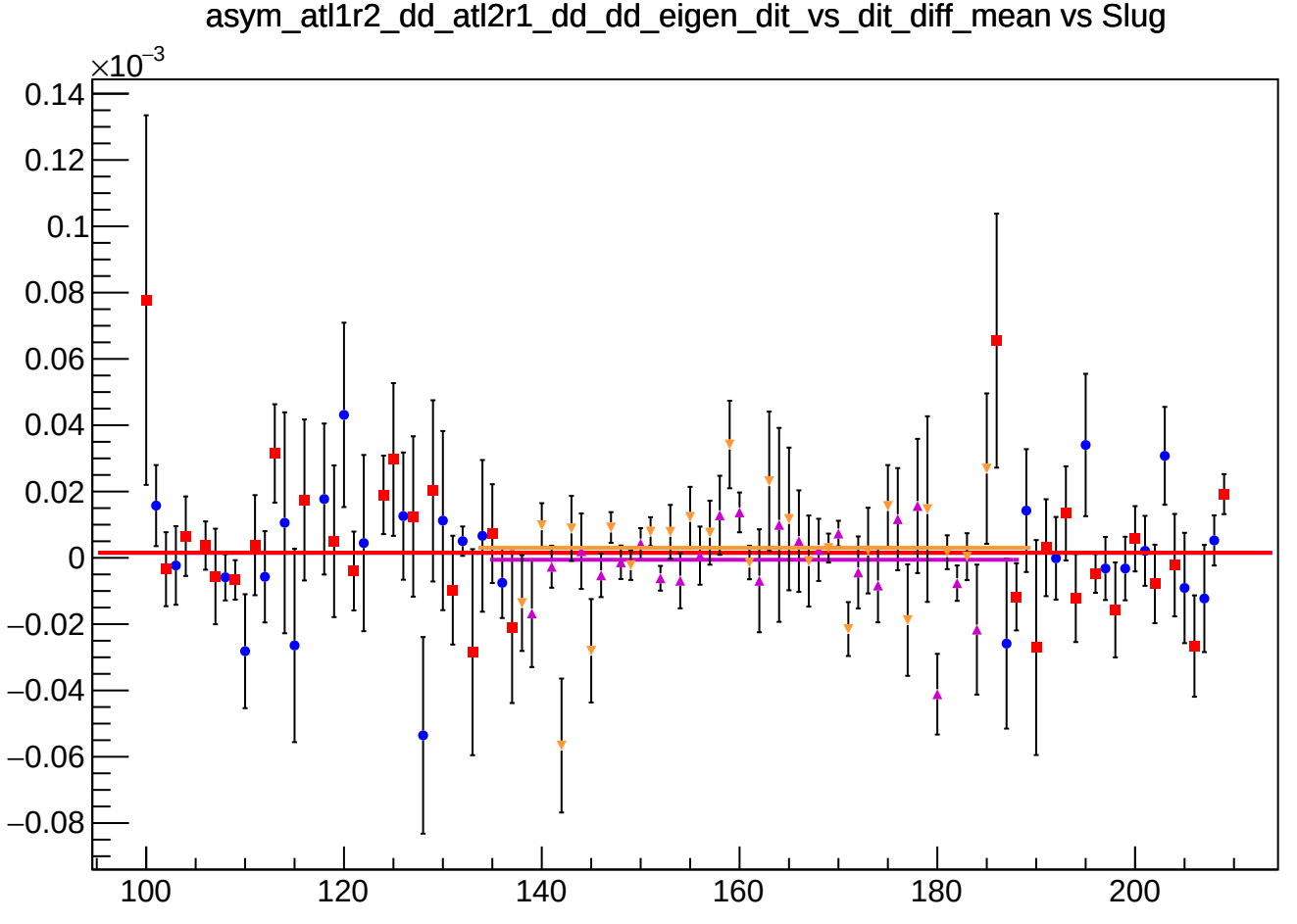
Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 191.142+/-0.026 χ^2/NDF: 12013966.7/51

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

- sign 171.355+/-0.023 χ^2/NDF: 14349054.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

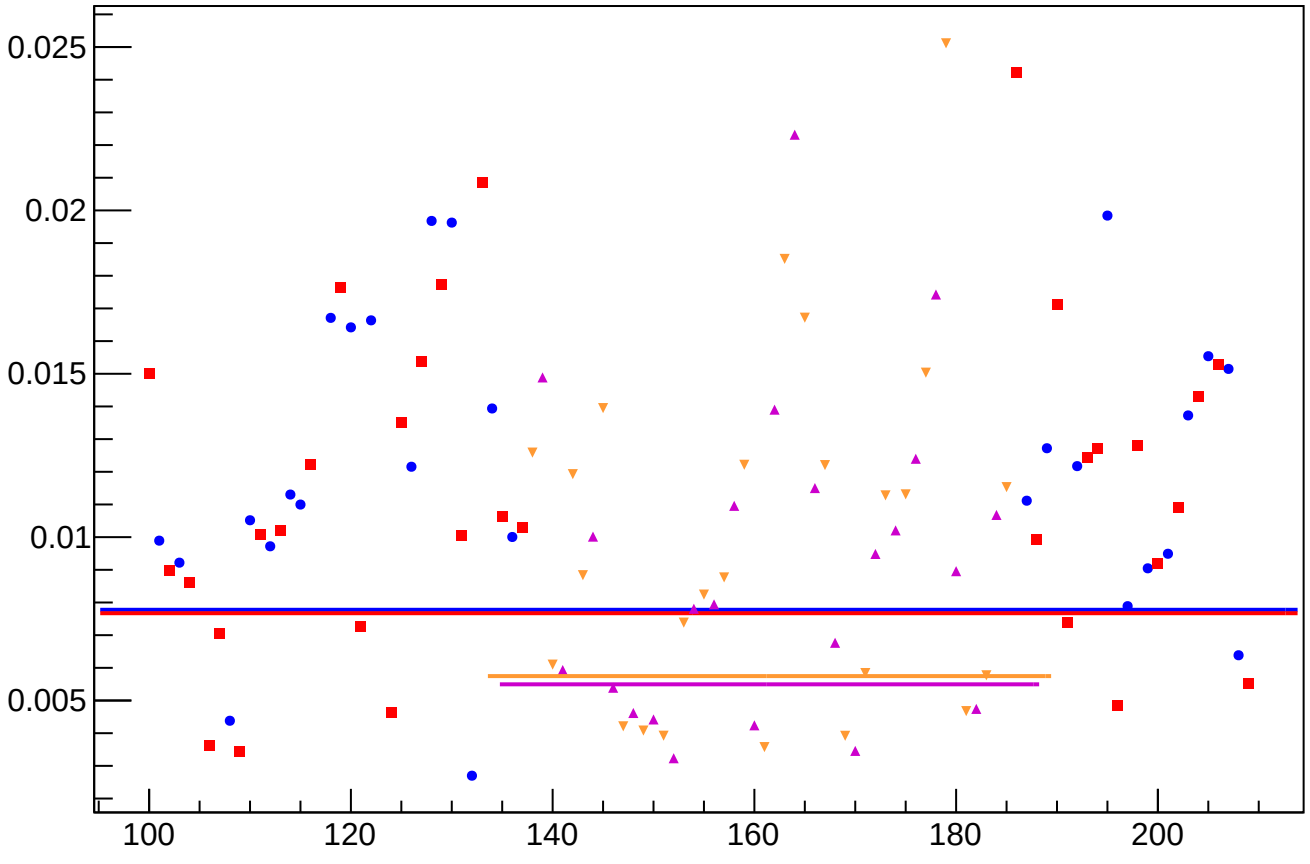
Right Out: 0.000+/-0.000 χ^2/NDF: 38.5/31

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.2/51

All: 0.000+/-0.000 χ^2/NDF: 141.4/106

- sign 0.000+/-0.000 χ^2/NDF: 72.4/54



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

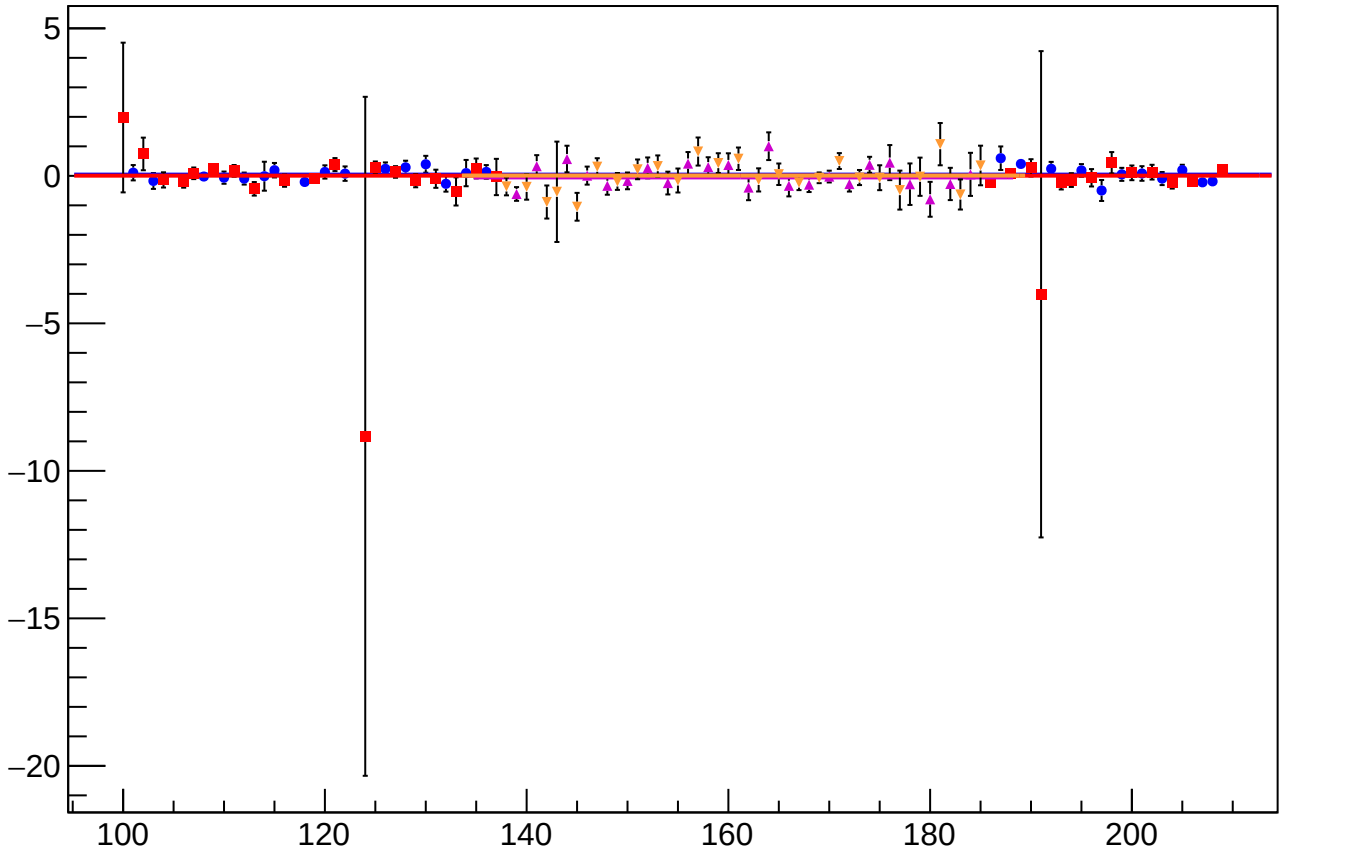
Right Out: 0.008+/-0.000 χ^2/NDF: 6709901.5/31

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 16702957.4/51

All: 0.006+/-0.000 χ^2/NDF: 31761518.8/106

- sign 0.006+/-0.000 χ^2/NDF: 15047293.5/54



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

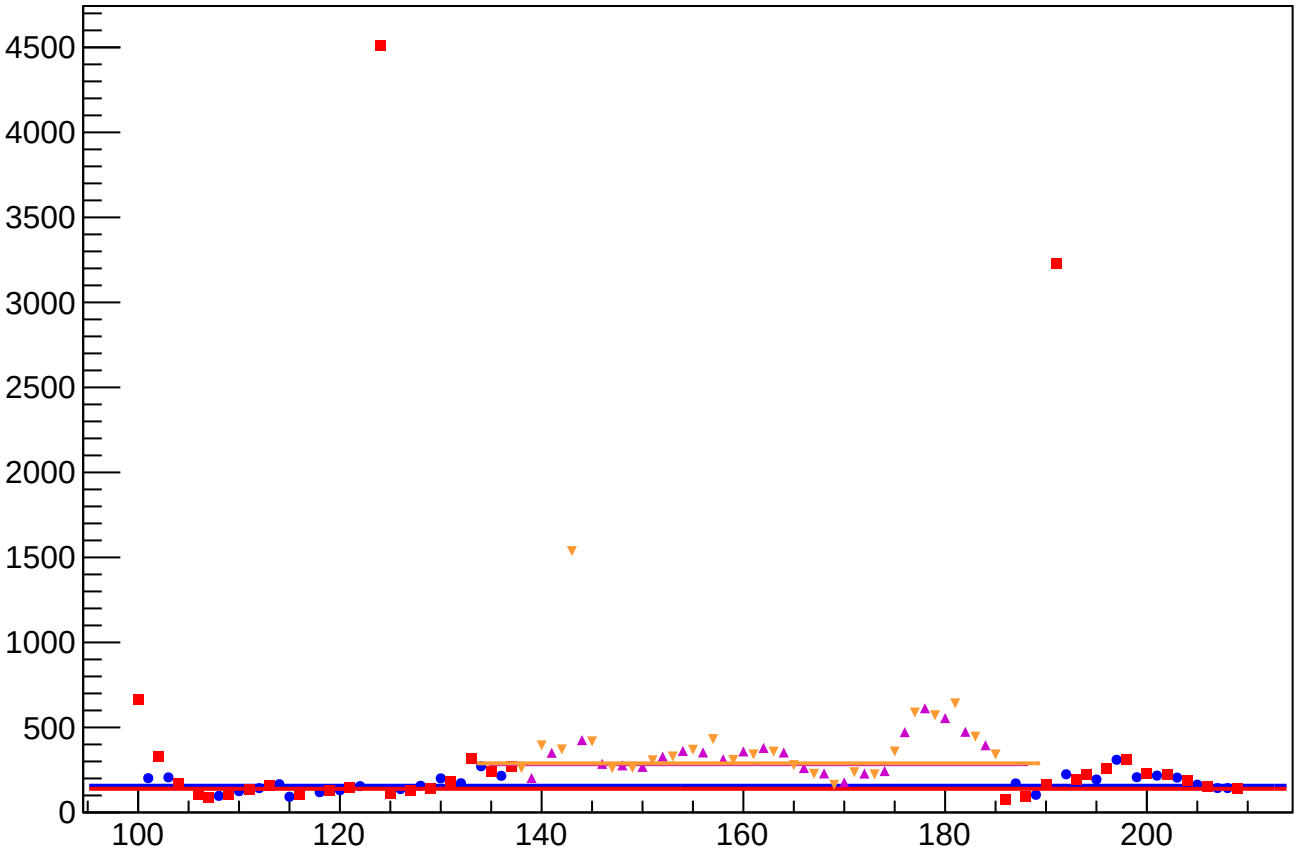
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

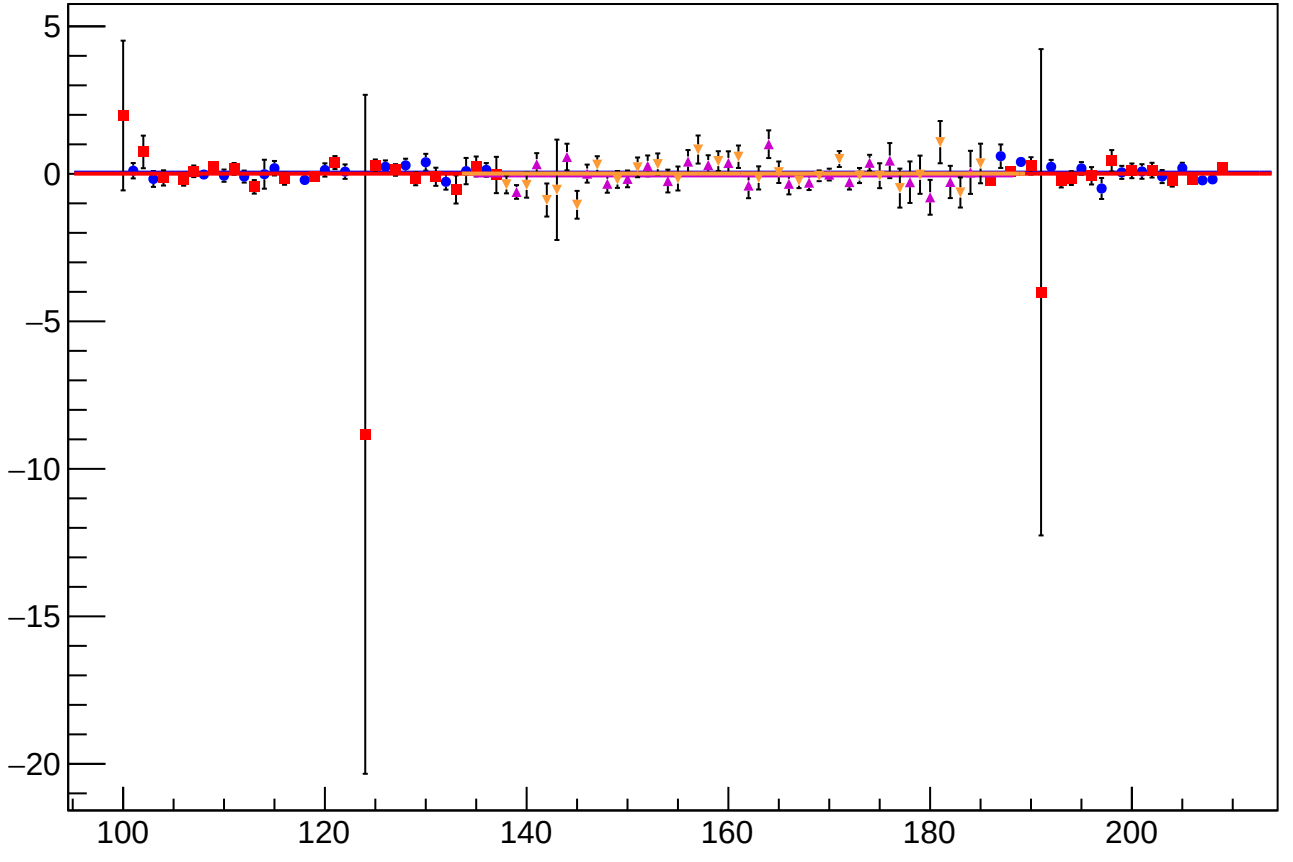
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

- sign 171.357+/-0.023 χ^2/NDF: 14348872.4/54

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

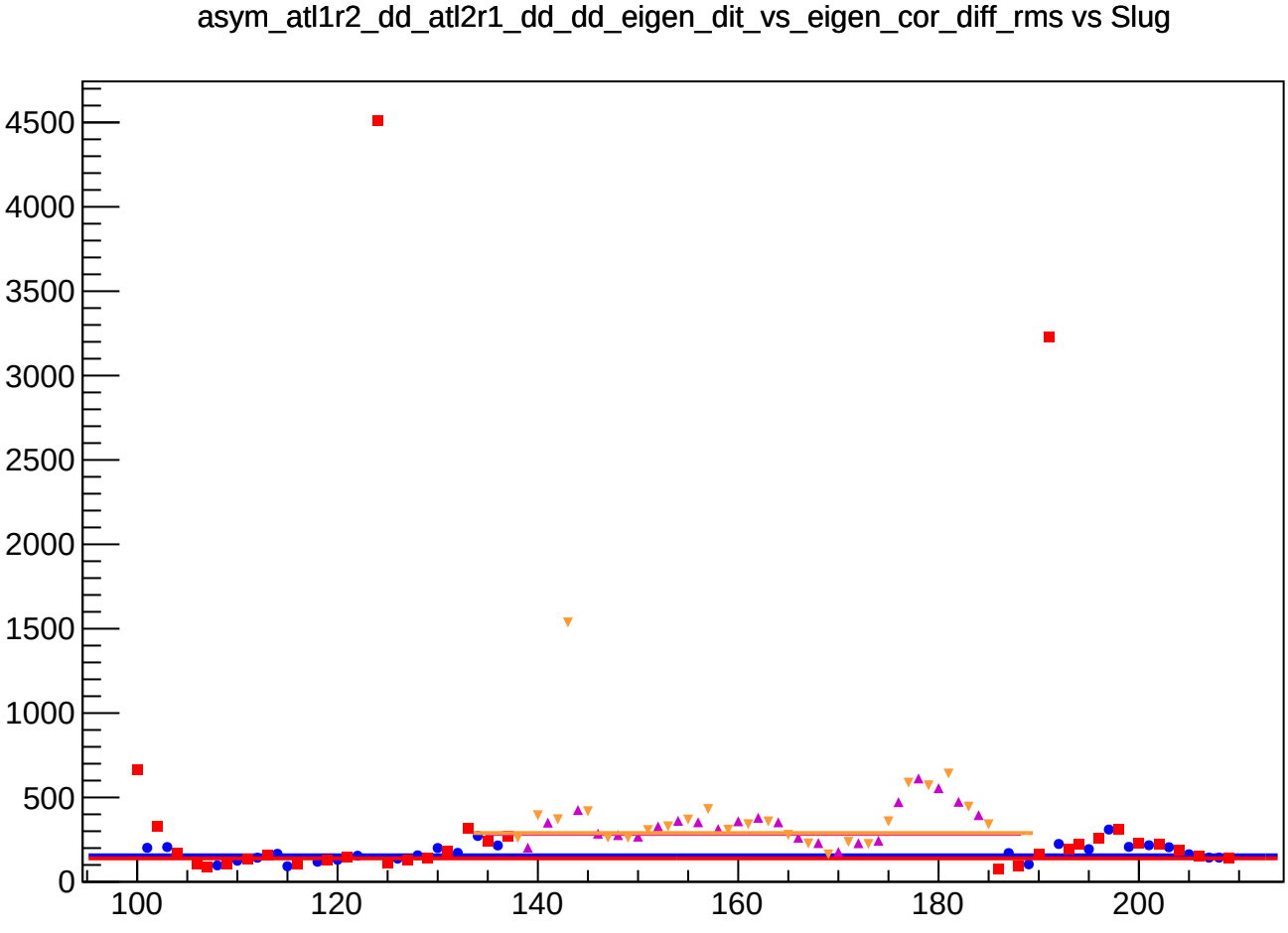
Right Out: 0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.033+/-0.036 χ^2/NDF: 55.8/51

All: 0.012+/-0.024 χ^2/NDF: 118.7/106

- sign -0.007+/-0.033 χ^2/NDF: 62.3/54



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

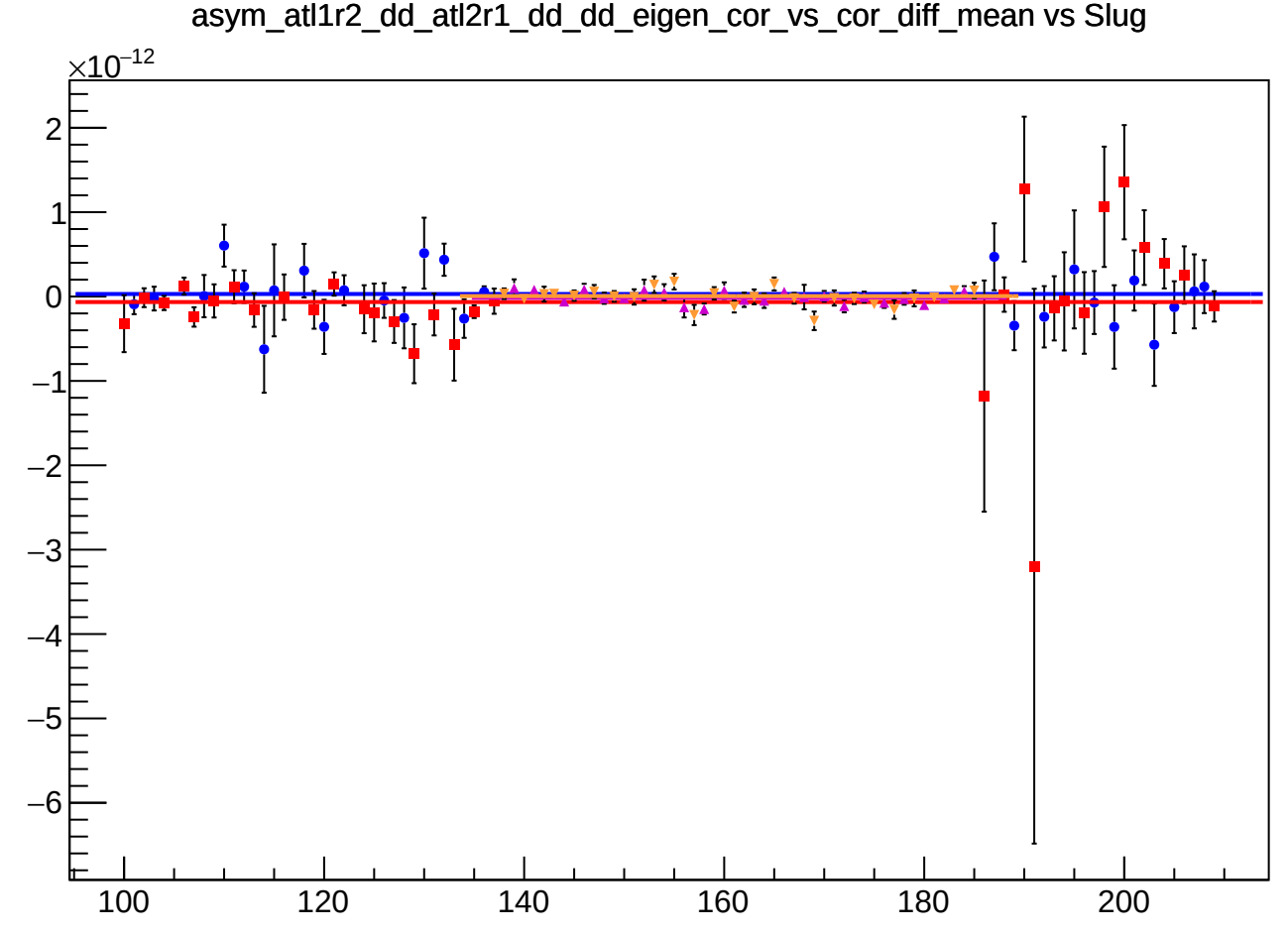
Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 191.142+/-0.026 χ^2/NDF: 12014123.2/51

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

- sign 171.357+/-0.023 χ^2/NDF: 14348872.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

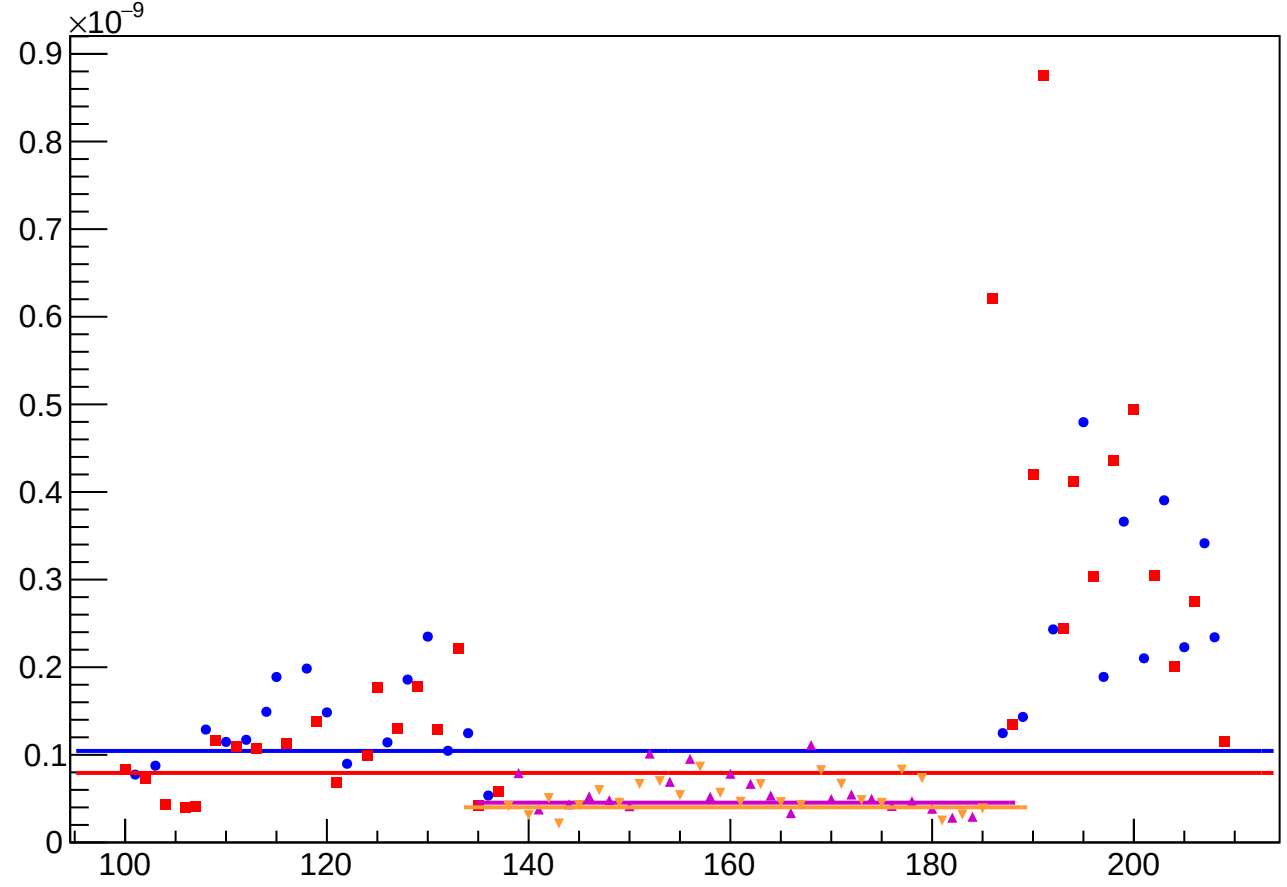
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/31

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 123.5/106

- sign -0.000+/-0.000 χ^2/NDF: 60.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7704705.4/31

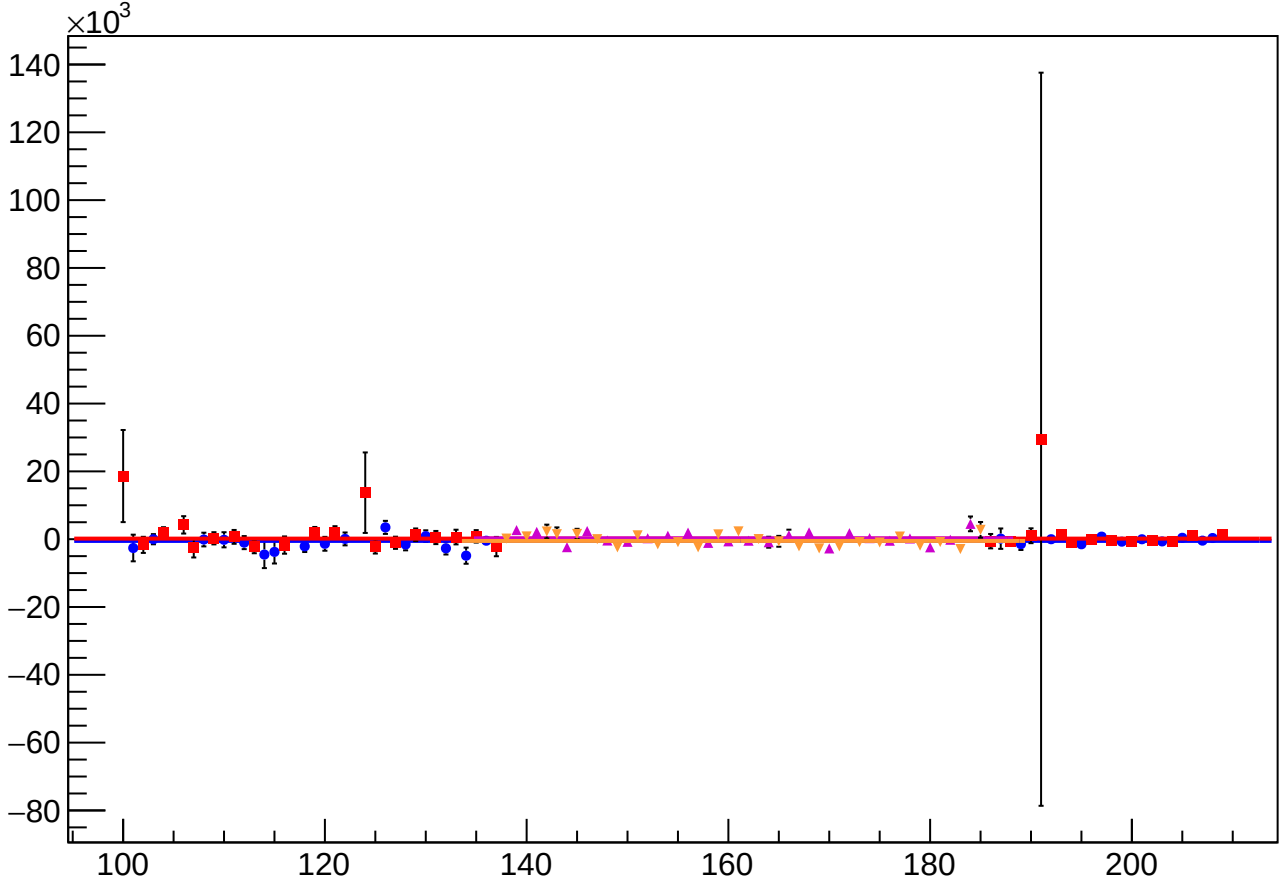
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13918679.3/51

All: 0.000+/-0.000 χ^2/NDF: 26431480.3/106

- sign 0.000+/-0.000 χ^2/NDF: 12350579.0/54

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 167.346+/-314.554 χ^2/NDF: 20.3/31

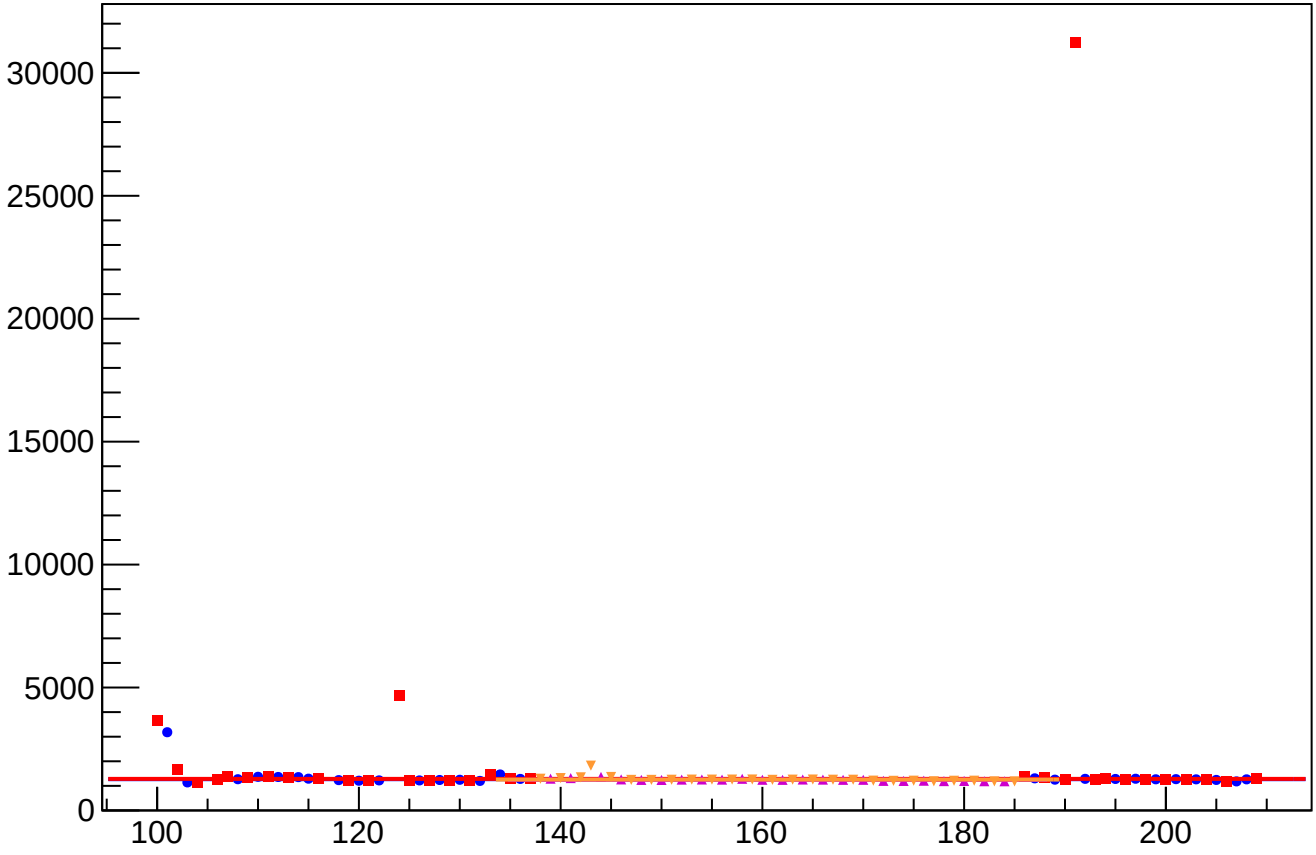
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -511.399+/-213.917 χ^2/NDF: 47.6/51

All: -151.334+/-151.177 χ^2/NDF: 105.6/106

- sign 207.920+/-213.676 χ^2/NDF: 52.4/54

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

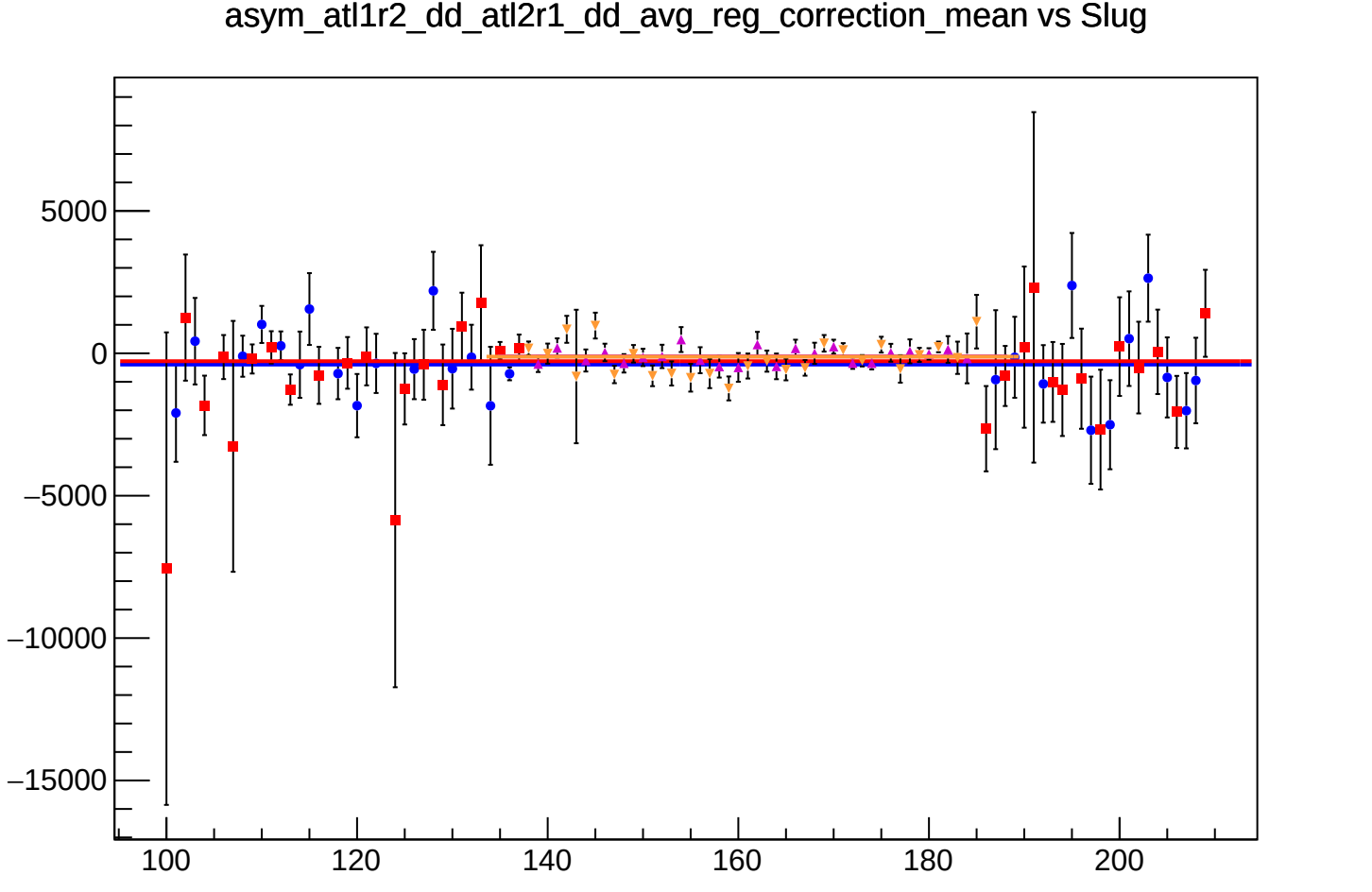
Right Out: 1284.110+/-0.222 χ^2/NDF: 507570.6/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738172.7/51

All: 1263.163+/-0.107 χ^2/NDF: 1301151.3/10

- sign 1263.777+/-0.151 χ^2/NDF: 562945.6/54



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

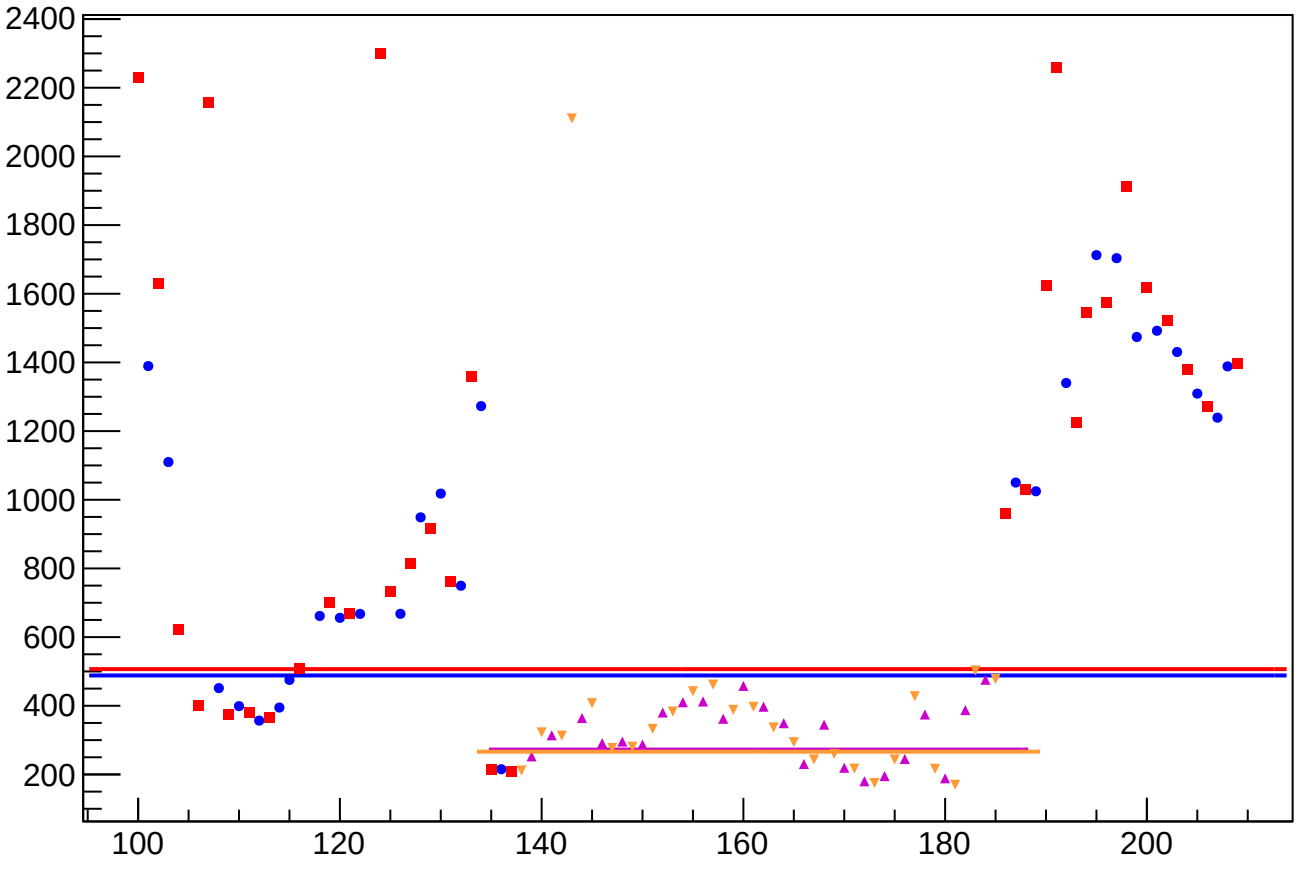
Right Out: -276.588+/-158.236 χ^2/NDF: 23.3/31

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -157.138+/-60.182 χ^2/NDF: 81.2/51

All: -145.404+/-43.081 χ^2/NDF: 119.2/106

\- sign -133.072+/-61.698 χ^2/NDF: 38.0/54



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 506.759+/-0.112 χ^2/NDF: 12967243.6/31

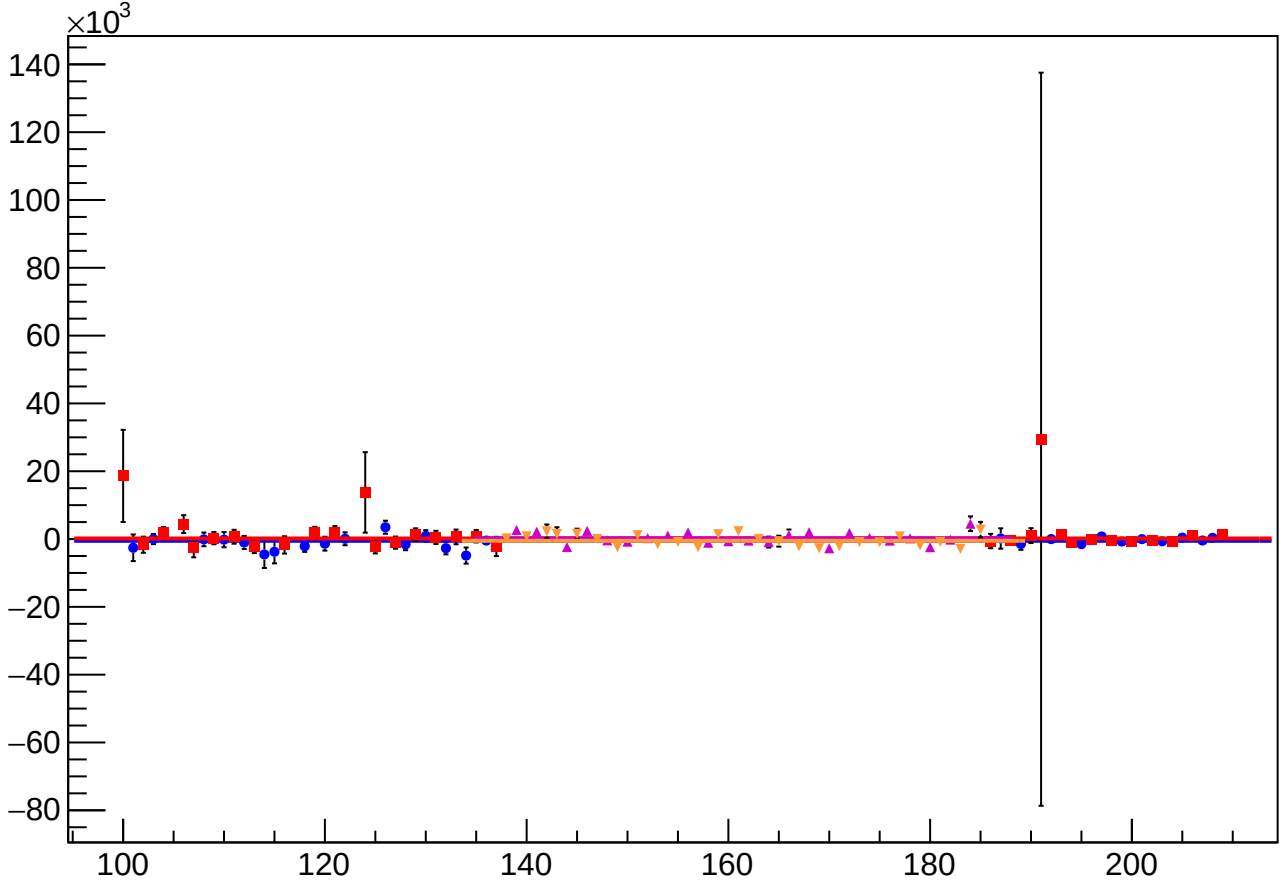
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 298.354+/-0.043 χ^2/NDF: 20278535.2/51

All: 303.058+/-0.030 χ^2/NDF: 39879844.1/10

- sign 308.002+/-0.044 χ^2/NDF: 19576244.4/54

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 166.084+/-314.696 χ^2/NDF: 20.4/31

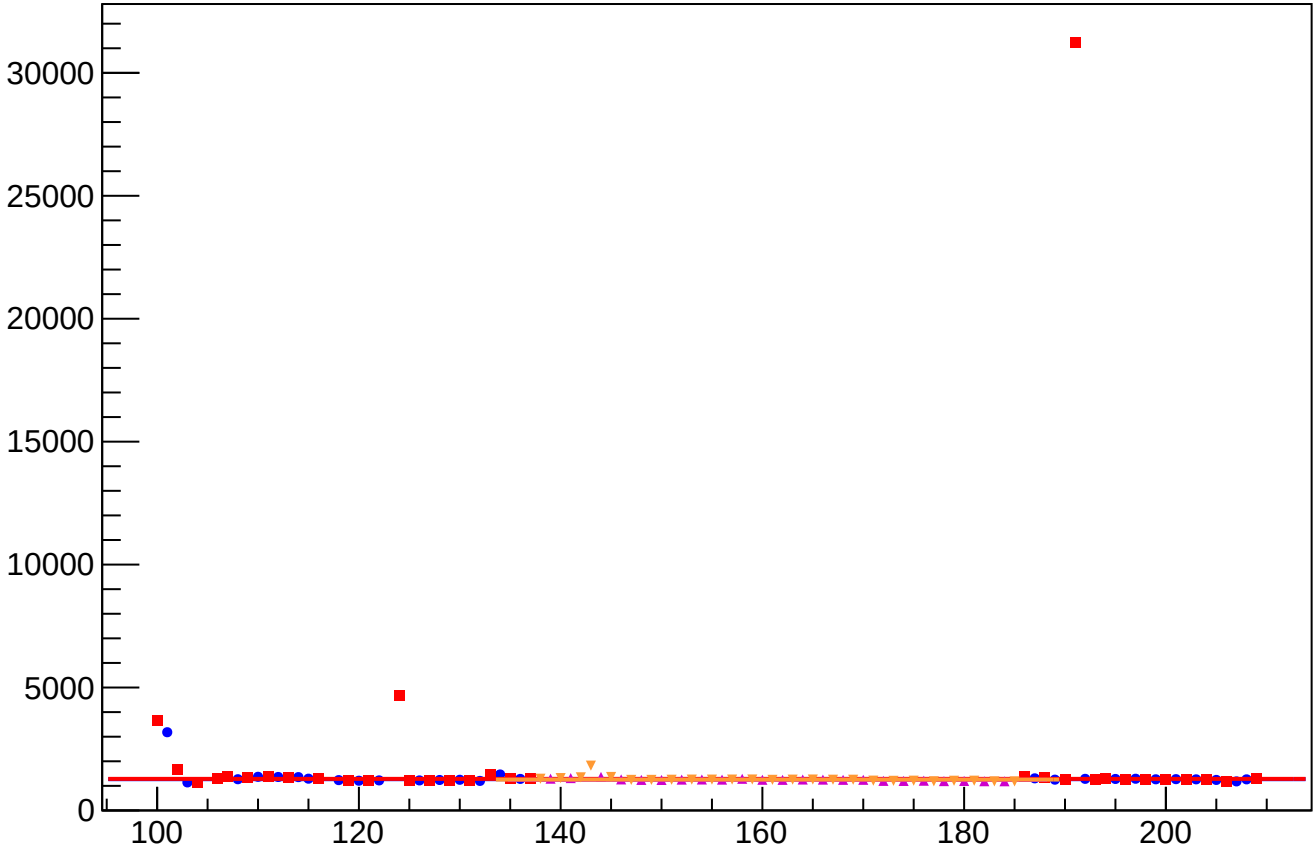
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -151.652+/-151.193 χ^2/NDF: 105.7/106

- sign 207.343+/-213.721 χ^2/NDF: 52.5/54

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

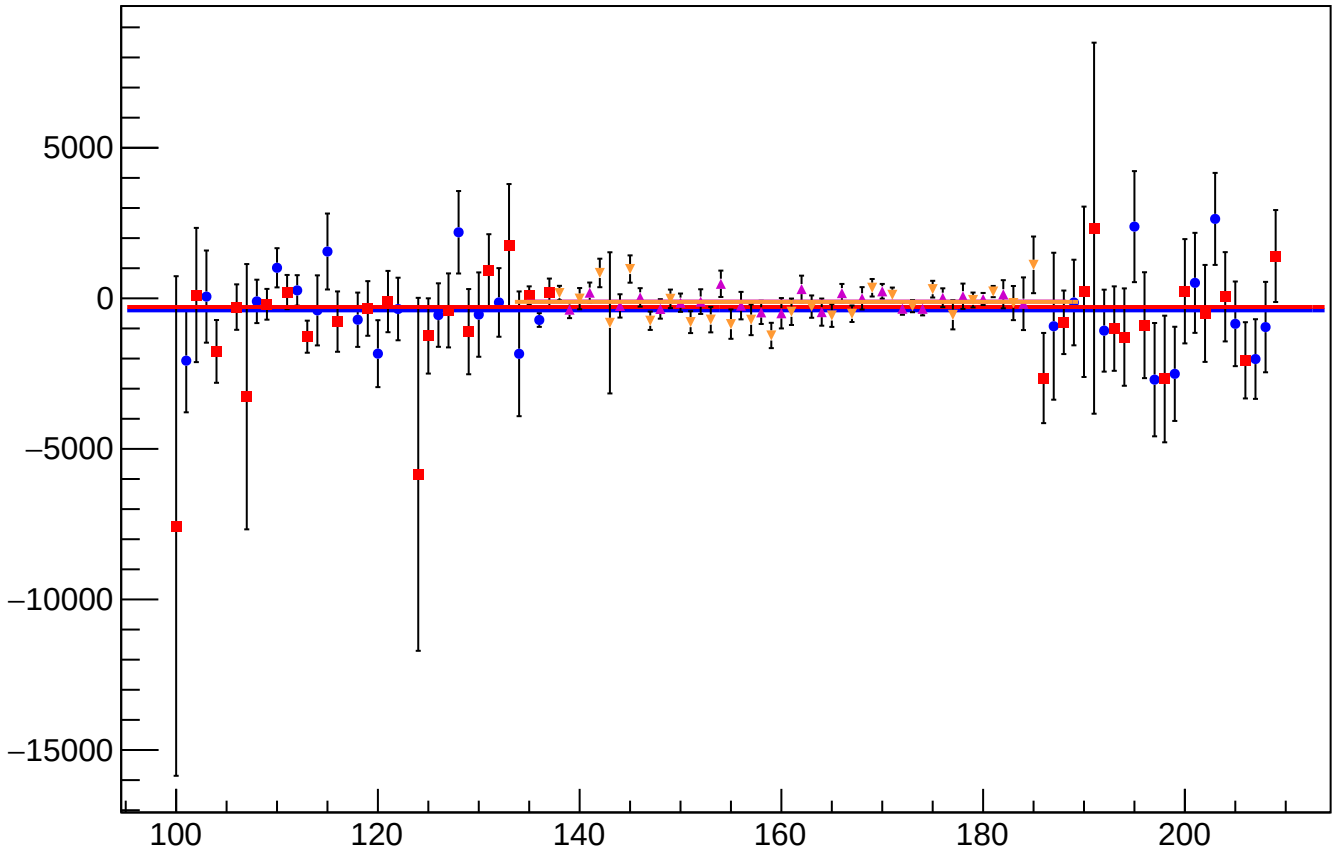
Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

- sign 1264.044+/-0.151 χ^2/NDF: 563402.6/54



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -287.908+/-158.075 χ^2/NDF: 22.6/31

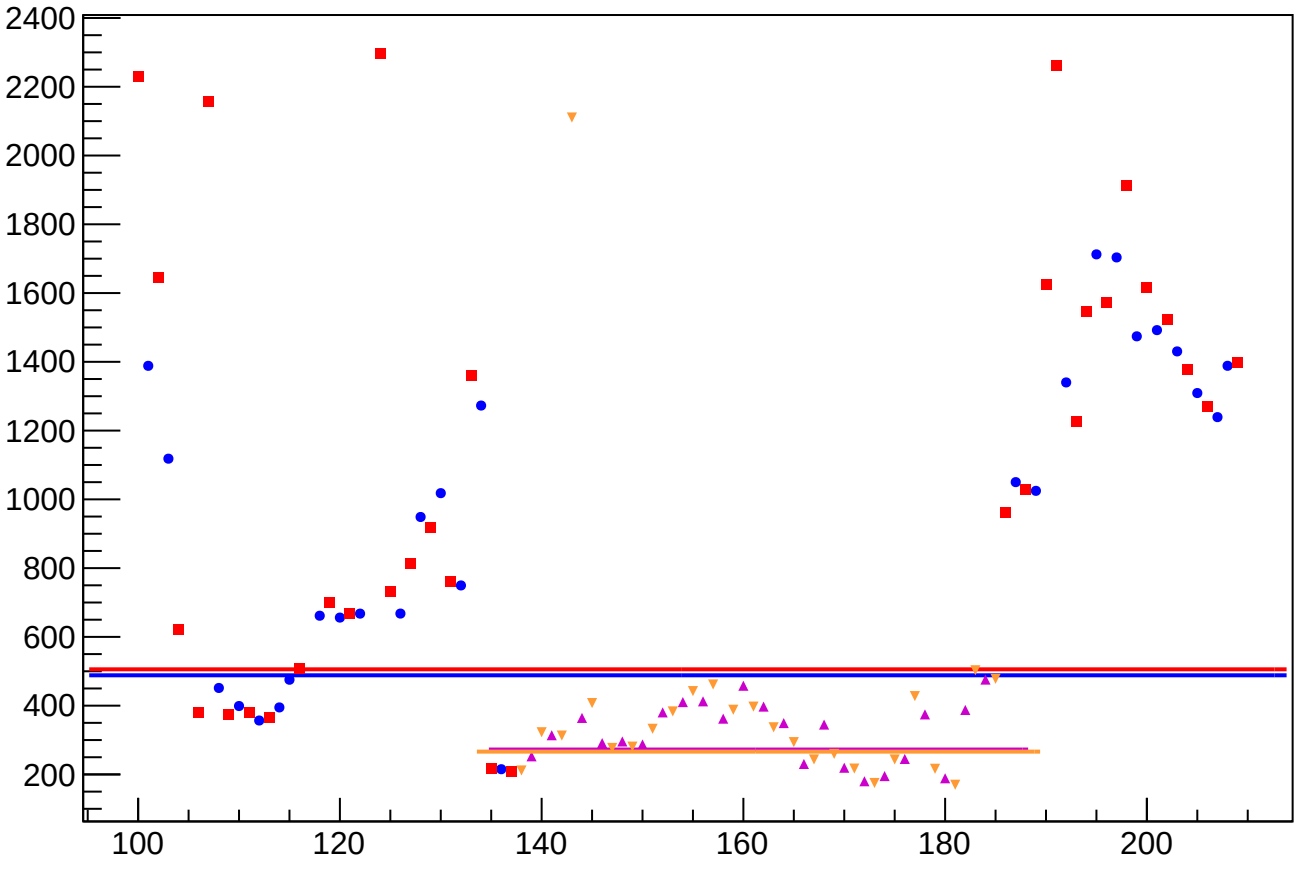
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -146.592+/-43.079 χ^2/NDF: 118.5/106

- sign -134.941+/-61.690 χ^2/NDF: 37.5/54

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

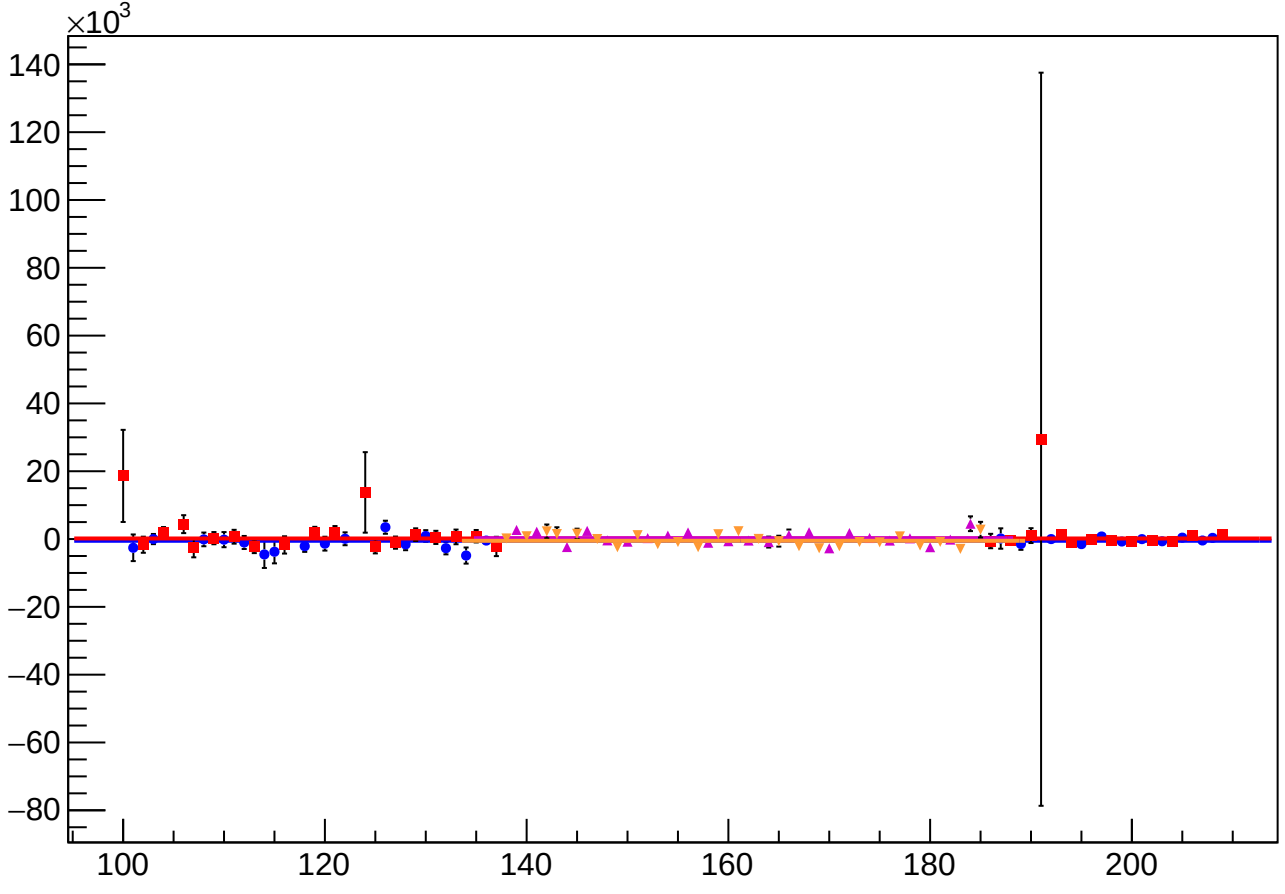
Right Out: 505.689+/-0.112 χ^2/NDF: 12991499.4/31

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 298.356+/-0.043 χ^2/NDF: 20281333.5/51

All: 303.016+/-0.030 χ^2/NDF: 39878339.9/10

- sign 307.911+/-0.044 χ^2/NDF: 19572424.8/54



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

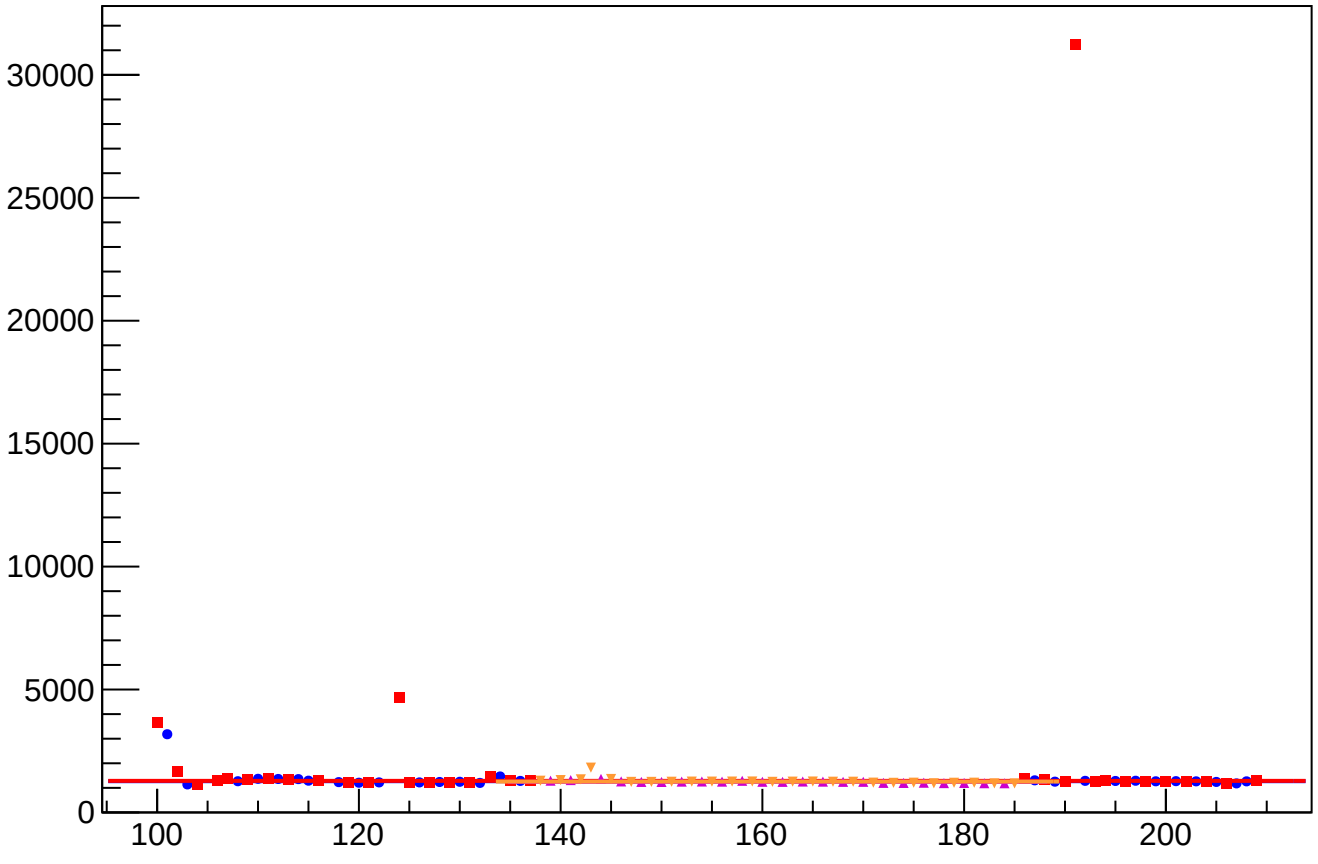
Right Out: 166.084+/-314.696 χ^2/NDF: 20.4/31

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -511.307+/-213.917 χ^2/NDF: 47.6/51

All: -151.652+/-151.193 χ^2/NDF: 105.7/106

- sign 207.343+/-213.721 χ^2/NDF: 52.5/54



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

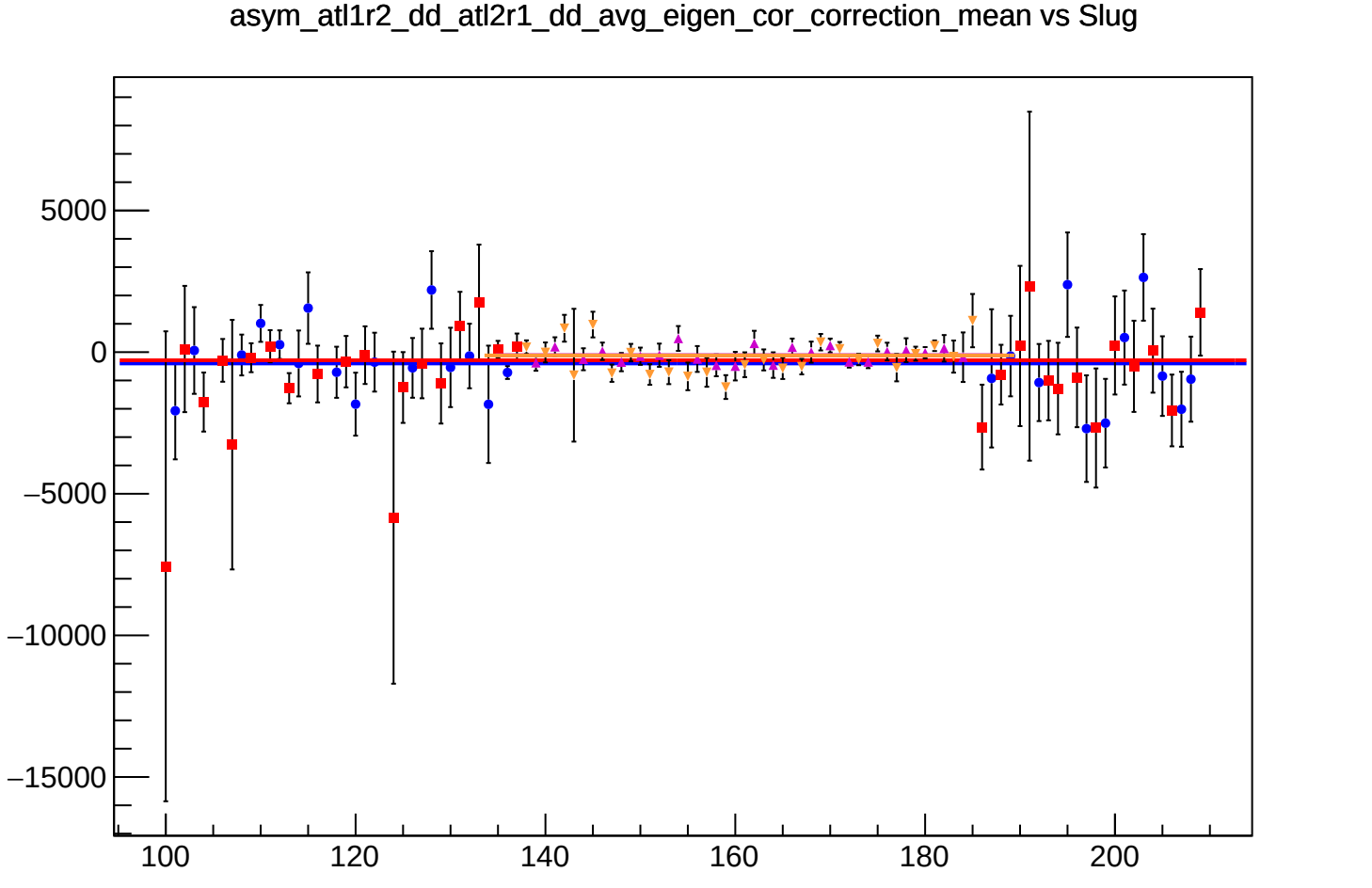
Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1262.548+/-0.151 χ^2/NDF: 738174.0/51

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

- sign 1264.044+/-0.151 χ^2/NDF: 563402.6/54



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

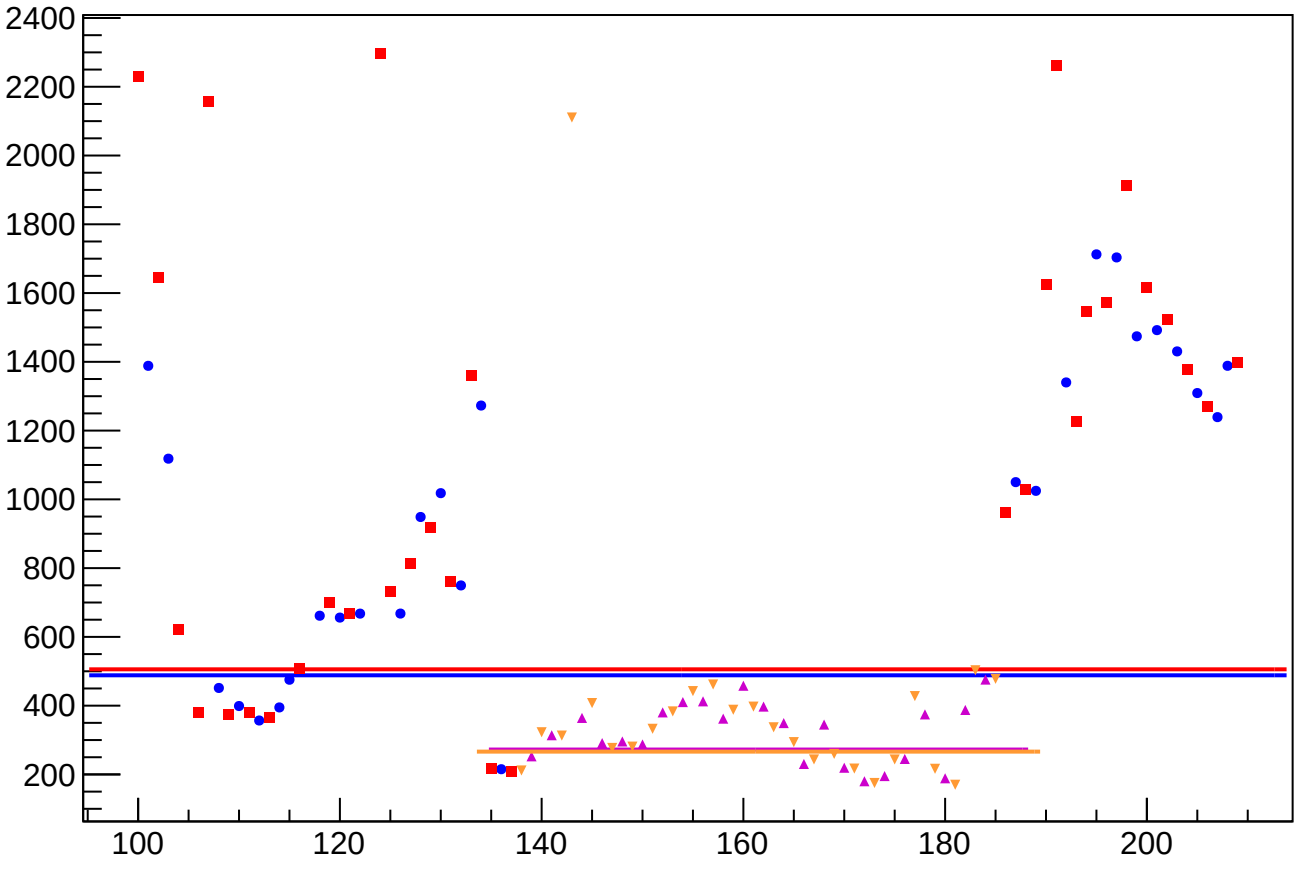
Right Out: -287.908+/-158.075 χ^2/NDF: 22.6/31

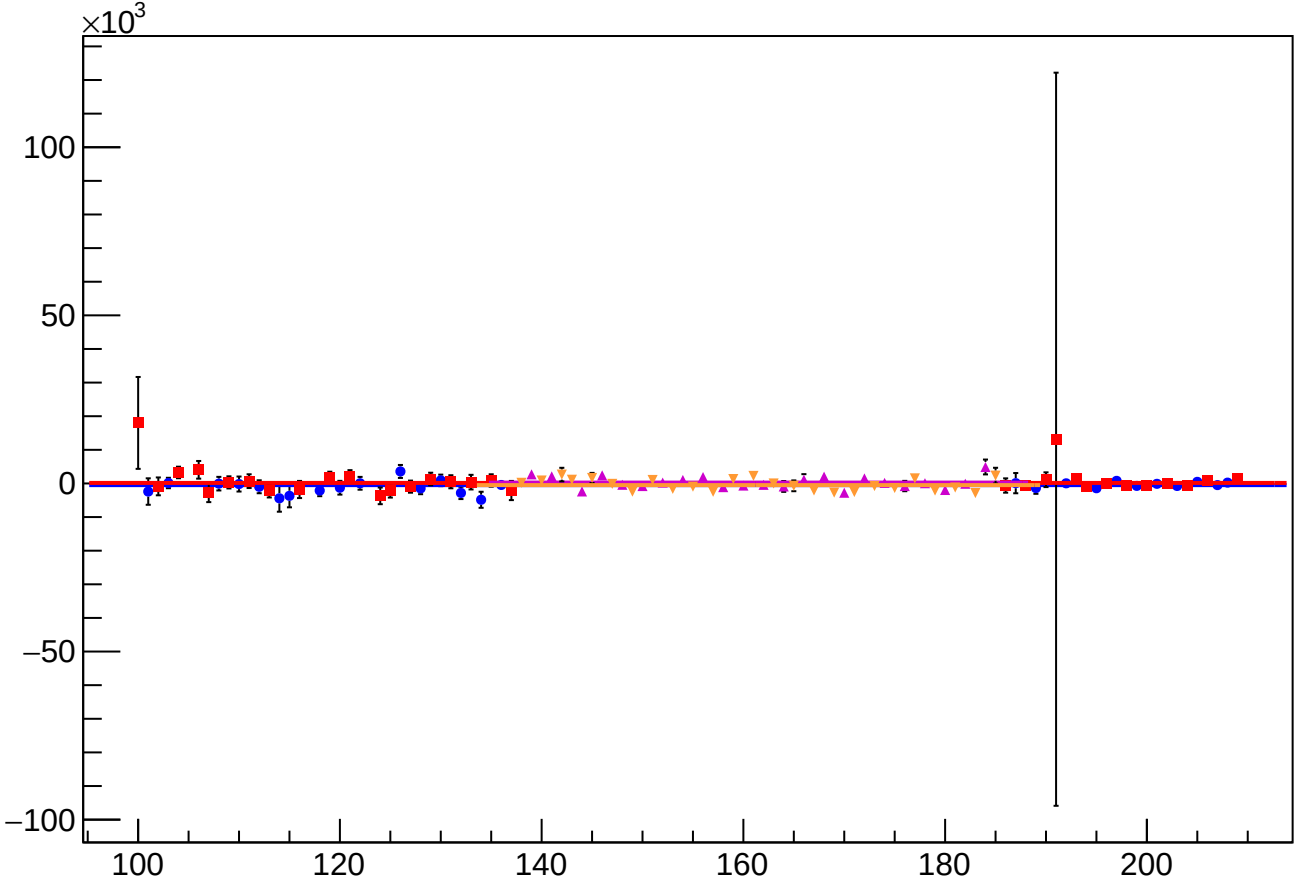
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -157.681+/-60.184 χ^2/NDF: 81.0/51

All: -146.592+/-43.079 χ^2/NDF: 118.5/106

\- sign -134.941+/-61.690 χ^2/NDF: 37.5/54


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 488.306+/-0.112 χ²/NDF: 12291734.8/26
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 505.689+/-0.112 χ²/NDF: 12991499.4/31
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 298.356+/-0.043 χ²/NDF: 20281333.5/51
All: 303.016+/-0.030 χ²/NDF: 39878339.9/10
- sign 307.911+/-0.044 χ²/NDF: 19572424.8/54



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 156.311+/-314.043 χ^2/NDF: 22.2/31

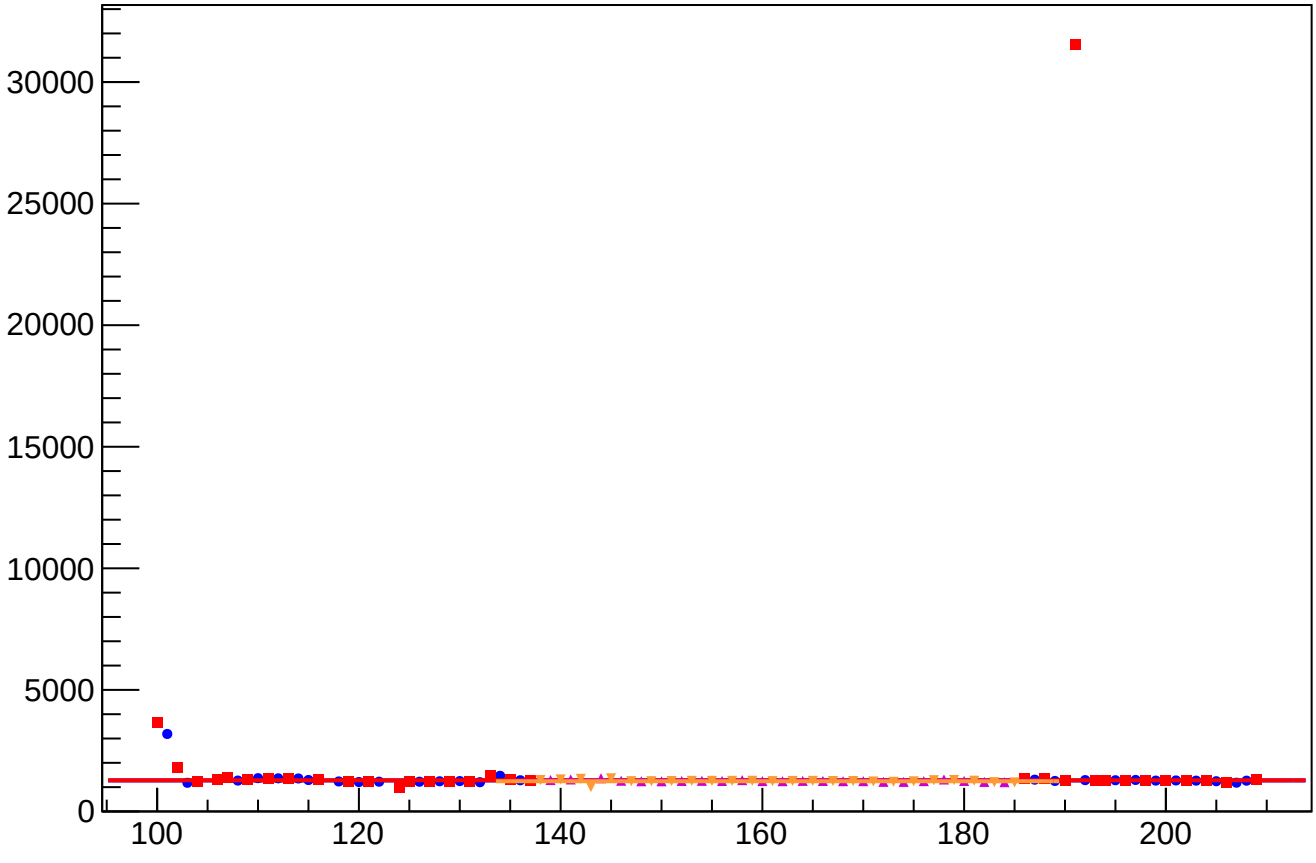
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -150.545+/-151.175 χ^2/NDF: 109.1/106

- sign 201.930+/-214.758 χ^2/NDF: 52.9/54

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

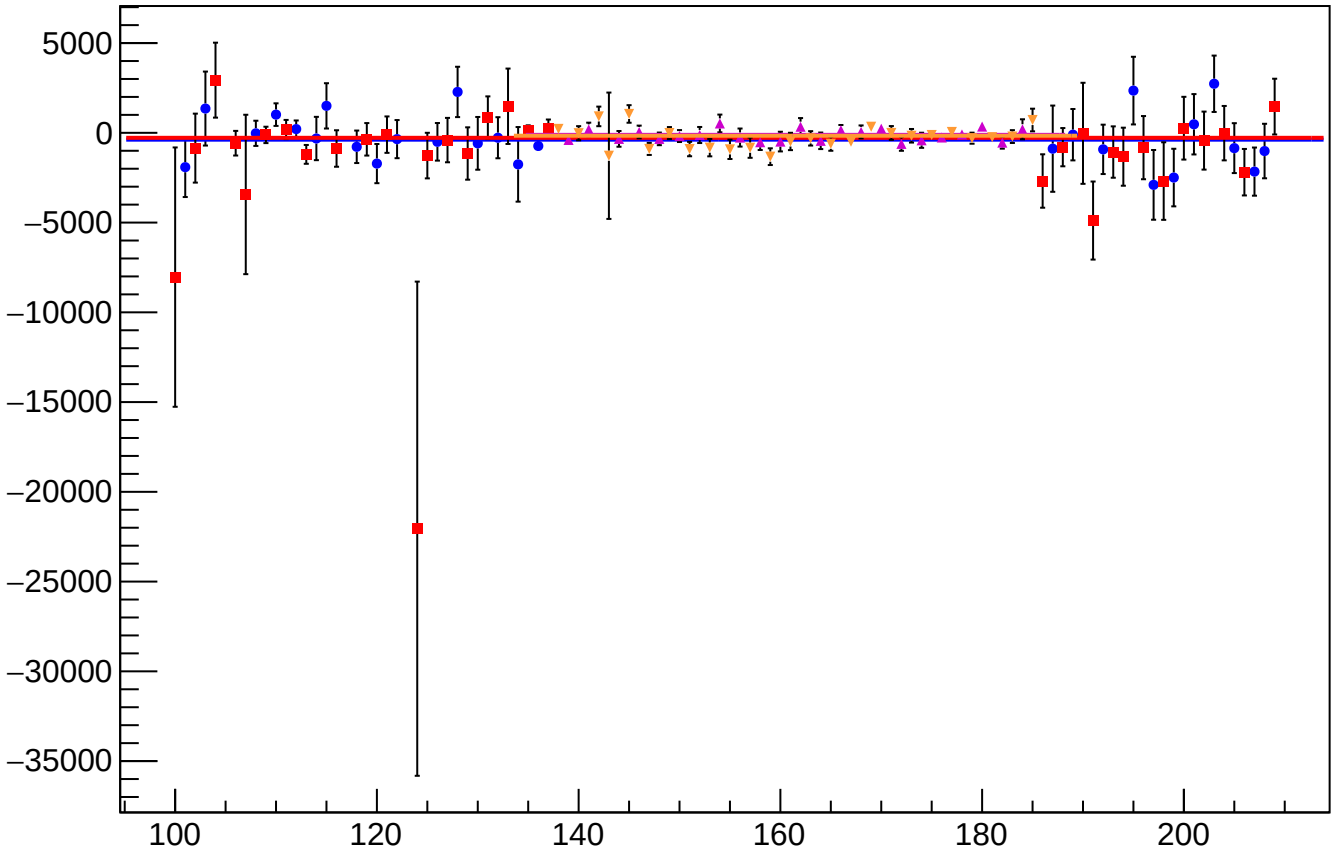
Right Out: 1282.113+/-0.222 χ^2/NDF: 387998.7/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666815.8/51

All: 1263.533+/-0.107 χ^2/NDF: 1092023.1/10

- sign 1270.391+/-0.152 χ^2/NDF: 421165.0/54



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

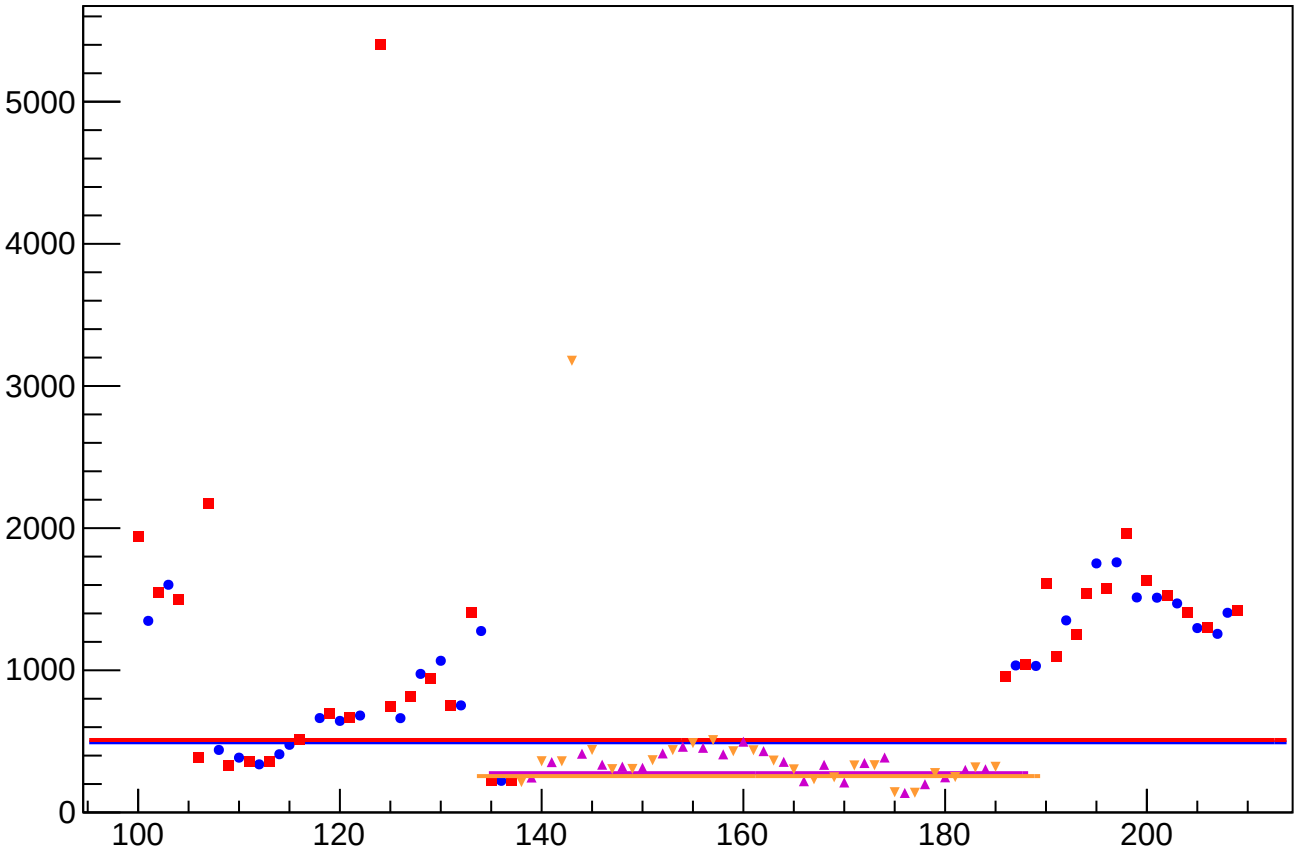
Right Out: -277.839+/-158.165 χ^2/NDF: 29.3/31

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -191.378+/-59.535 χ^2/NDF: 75.8/51

All: -167.124+/-43.310 χ^2/NDF: 124.6/106

- sign -139.860+/-63.121 χ^2/NDF: 48.4/54



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

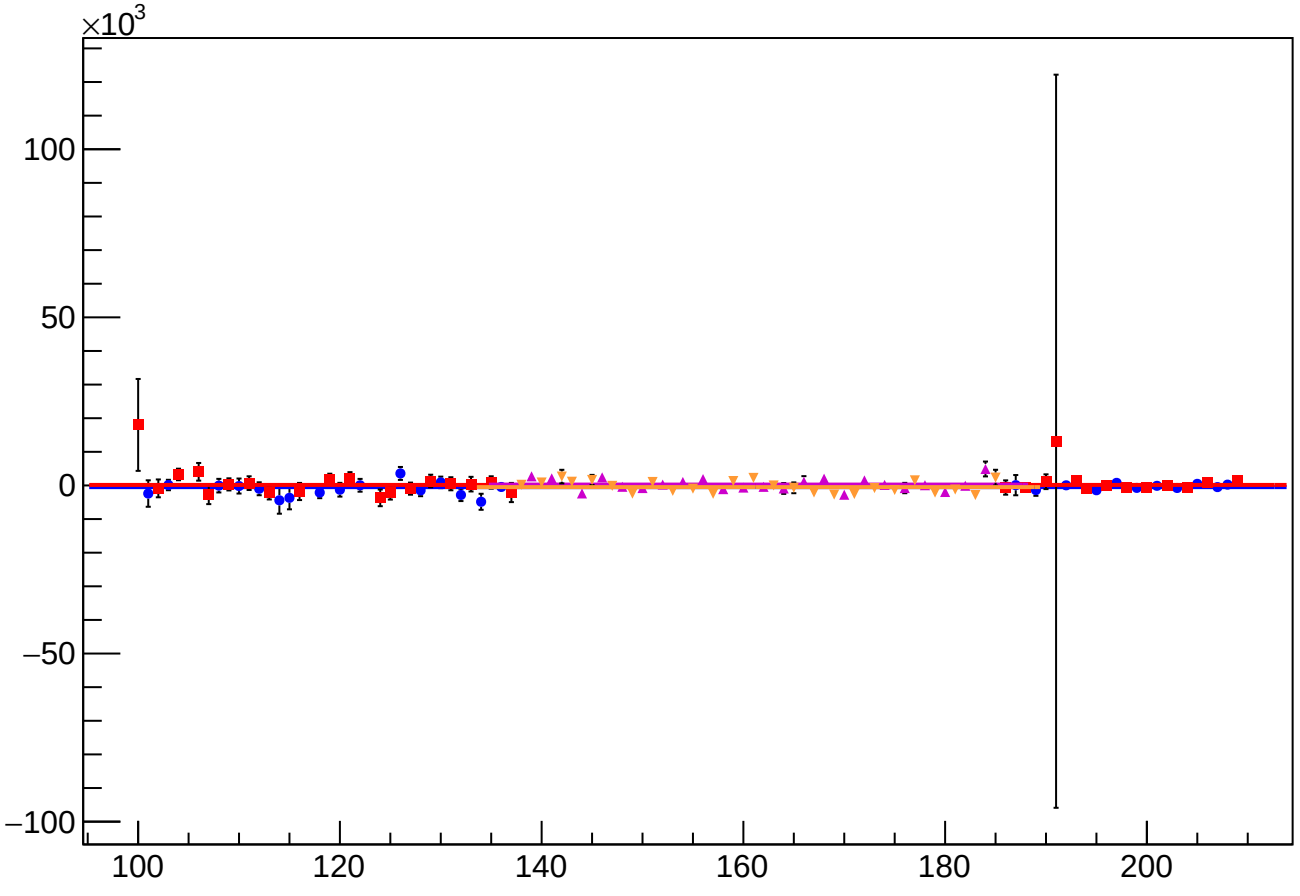
Right Out: 509.707+/-0.112 χ^2/NDF: 13527074.8/31

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 288.652+/-0.042 χ^2/NDF: 22617477.3/51

All: 300.337+/-0.031 χ^2/NDF: 43997465.9/10

- sign 313.473+/-0.045 χ^2/NDF: 21216325.1/54



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

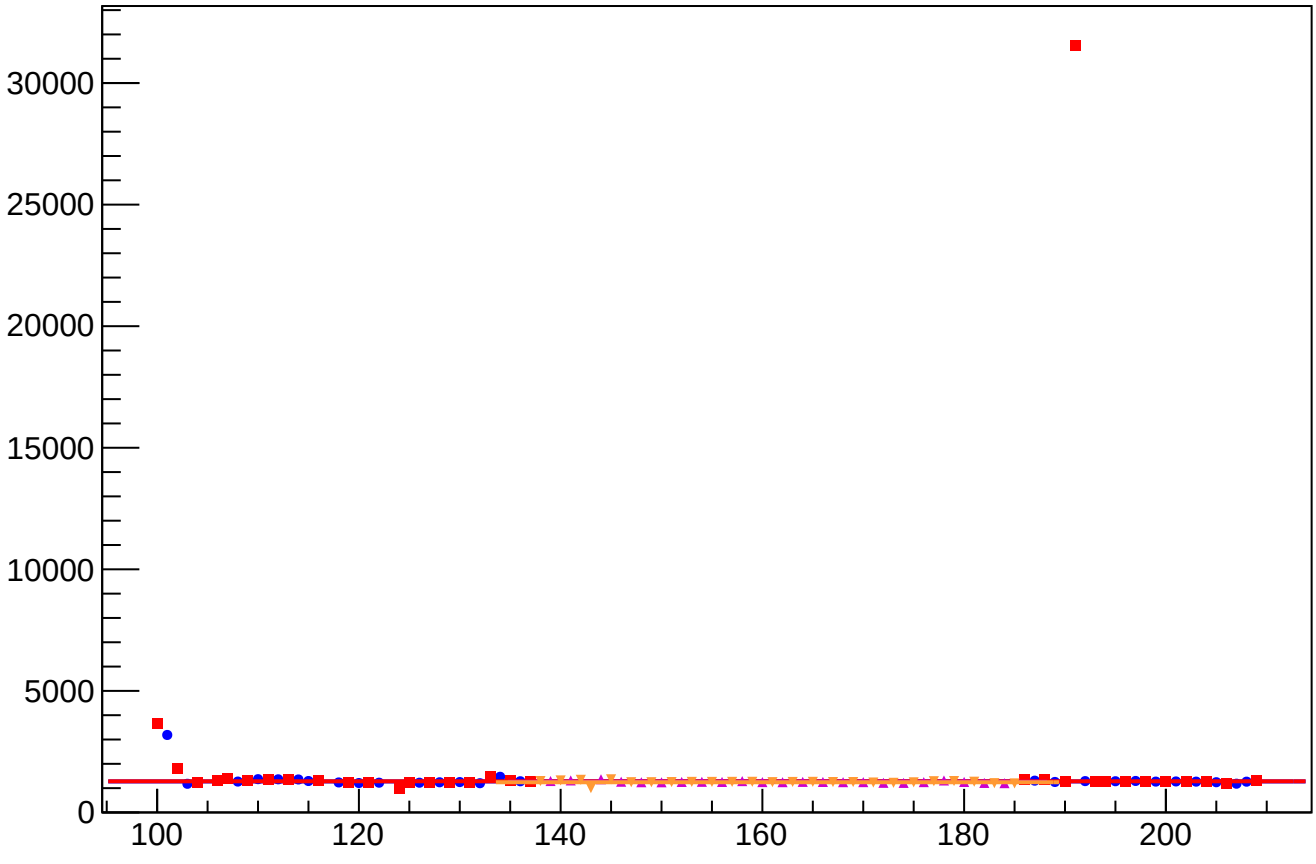
Right Out: 156.311+/-314.043 χ^2/NDF: 22.2/31

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -496.764+/-212.843 χ^2/NDF: 50.8/51

All: -150.545+/-151.175 χ^2/NDF: 109.1/106

- sign 201.930+/-214.758 χ^2/NDF: 52.9/54



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

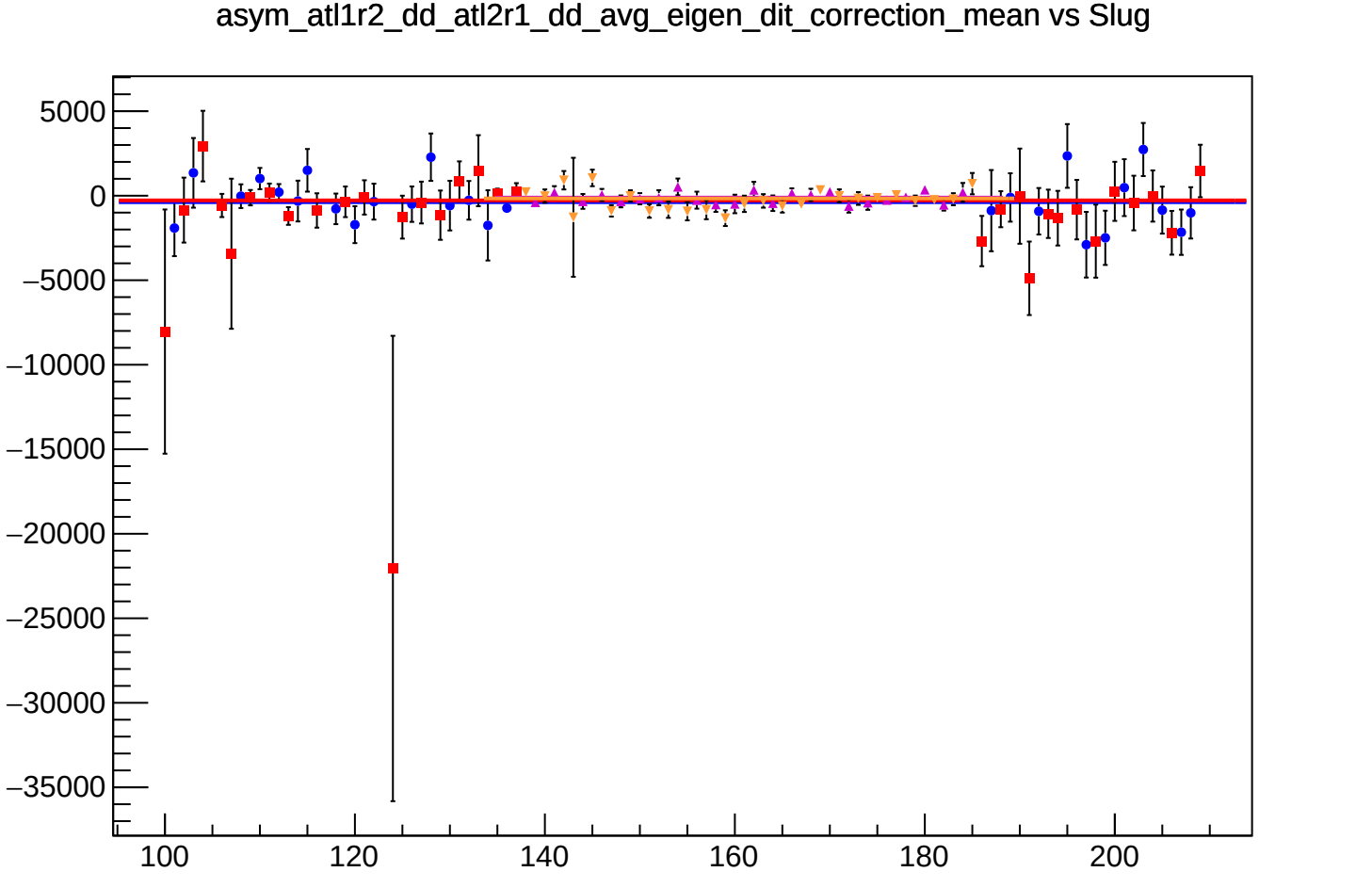
Right Out: 1282.113+/-0.222 χ^2/NDF: 387999.0/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1256.798+/-0.151 χ^2/NDF: 666814.9/51

All: 1263.533+/-0.107 χ^2/NDF: 1092022.6/10

- sign 1270.391+/-0.152 χ^2/NDF: 421165.4/54



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: -277.848+/-158.167 χ^2/NDF: 29.3/31

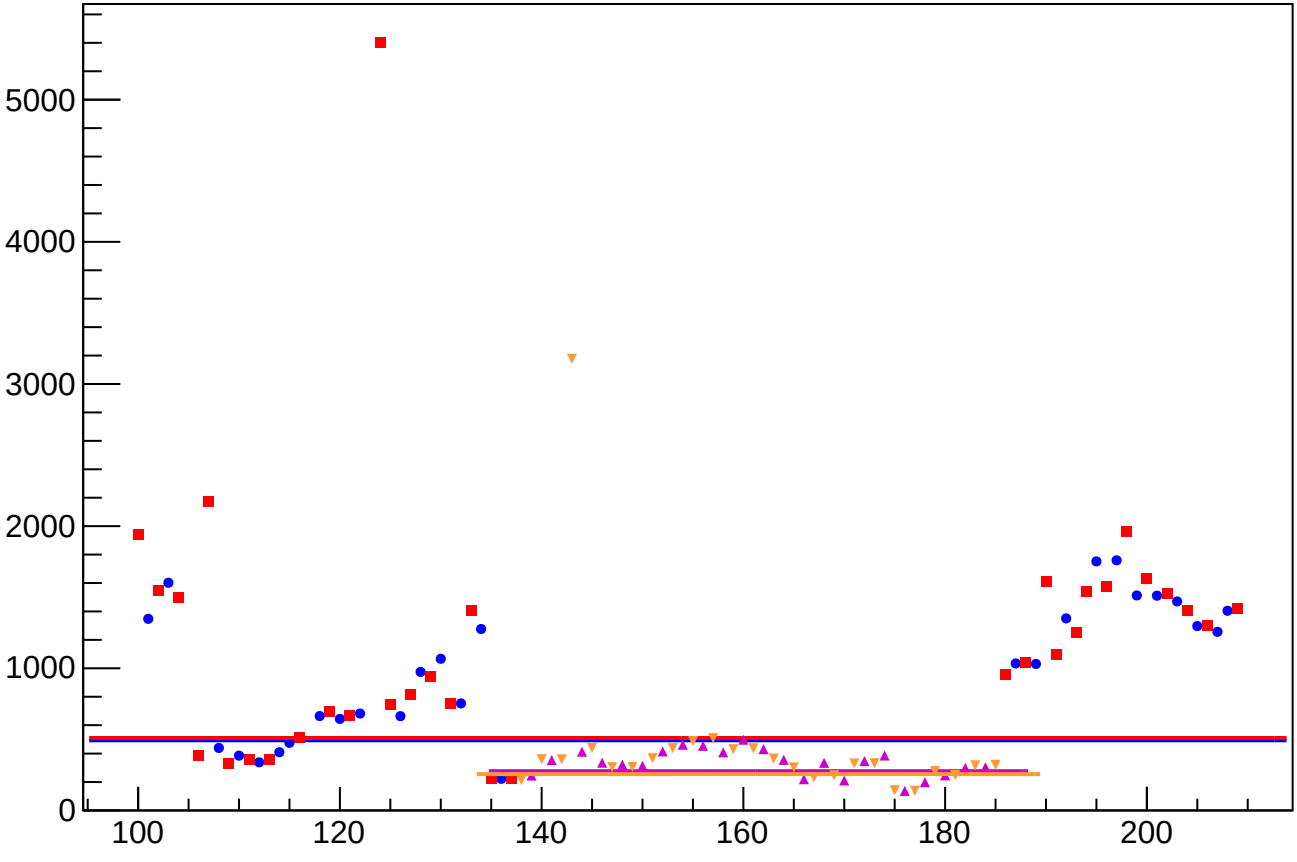
Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -191.381+/-59.535 χ^2/NDF: 75.8/51

All: -167.125+/-43.310 χ^2/NDF: 124.6/106

- sign -139.860+/-63.121 χ^2/NDF: 48.4/54

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 509.716+/-0.112 χ^2/NDF: 13526778.5/31

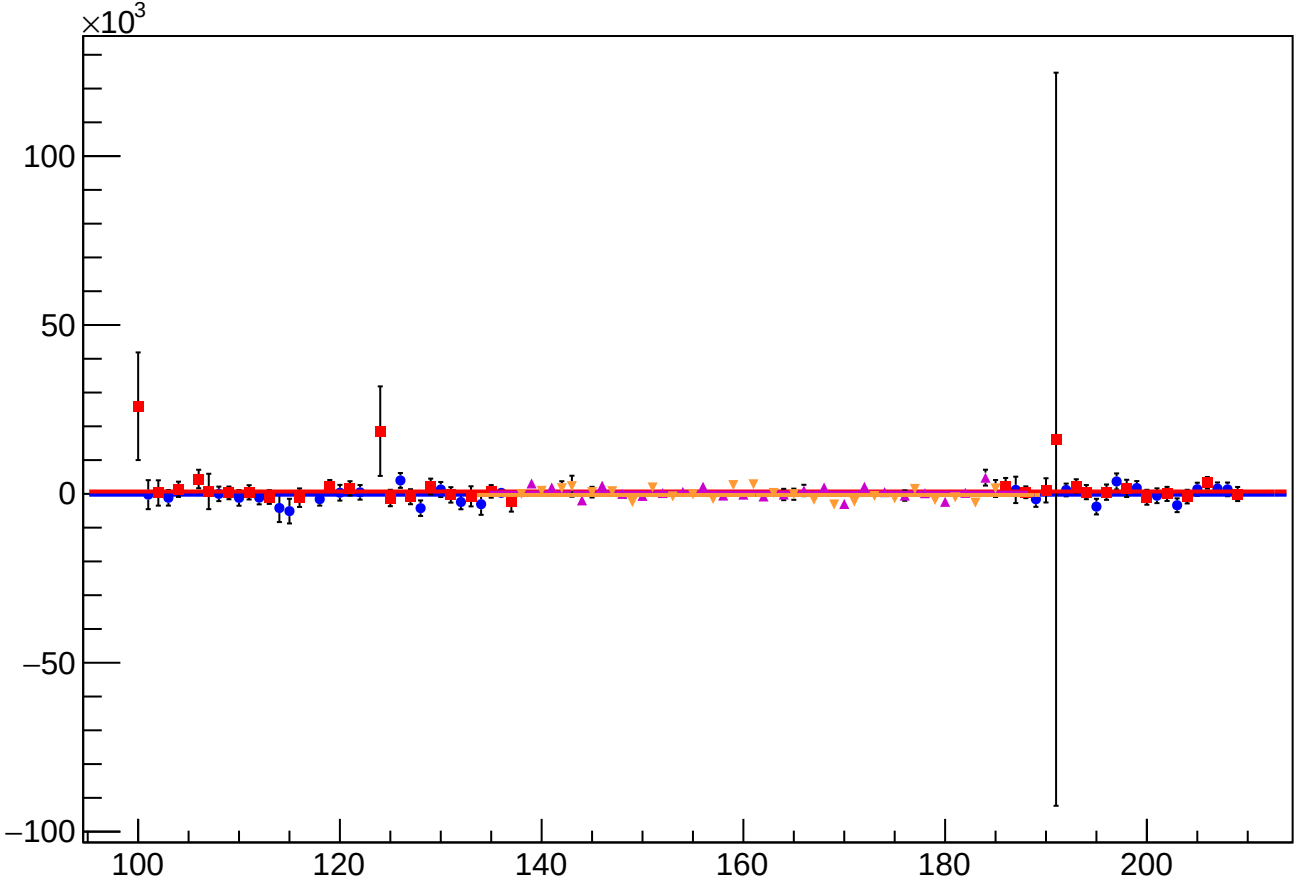
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 288.654+/-0.042 χ^2/NDF: 22617258.1/51

All: 300.339+/-0.031 χ^2/NDF: 43997114.1/10

- sign 313.474+/-0.045 χ^2/NDF: 21216205.4/54

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 700.413+/-417.982 χ^2/NDF: 16.1/31

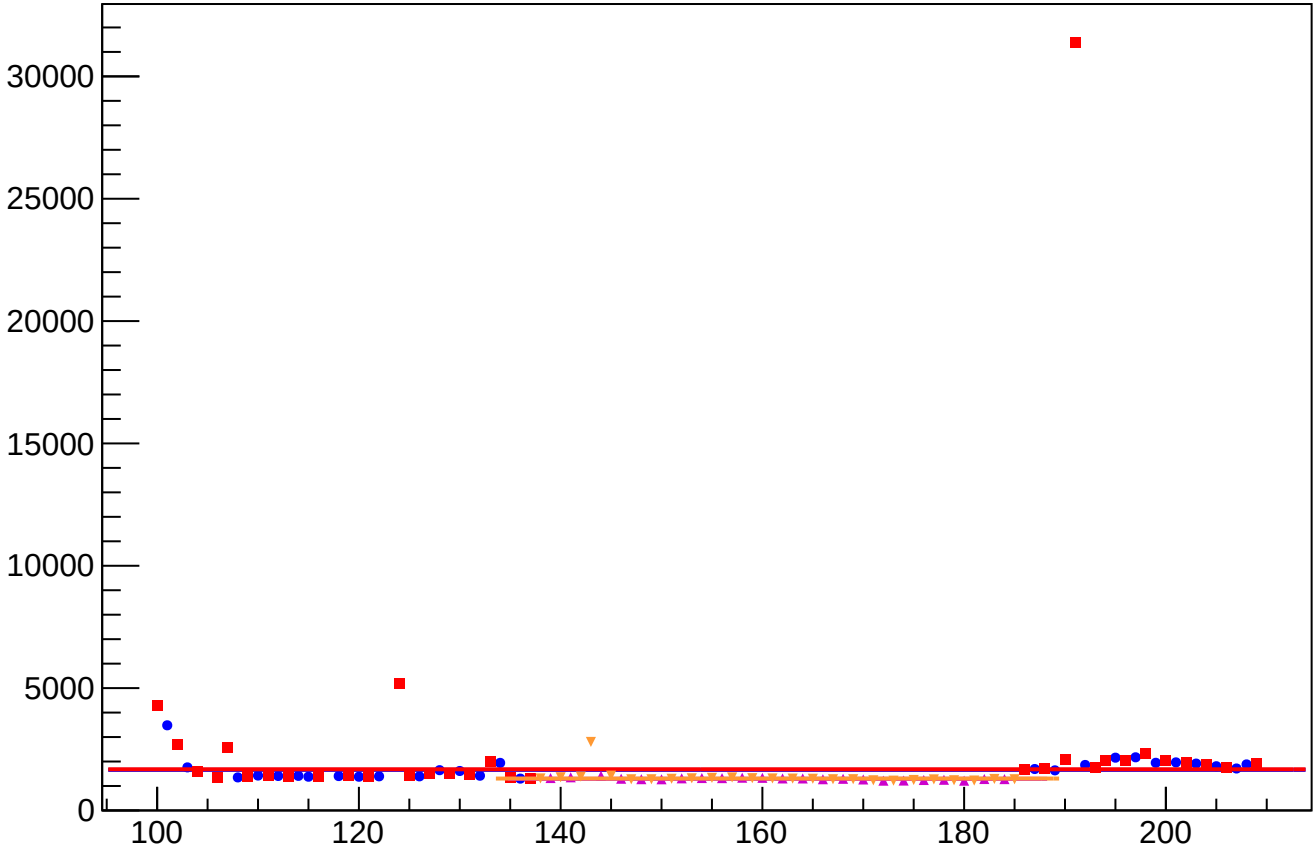
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -294.181+/-244.139 χ^2/NDF: 56.2/51

All: 89.132+/-172.844 χ^2/NDF: 107.3/106

- sign 474.332+/-244.739 χ^2/NDF: 46.2/54

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

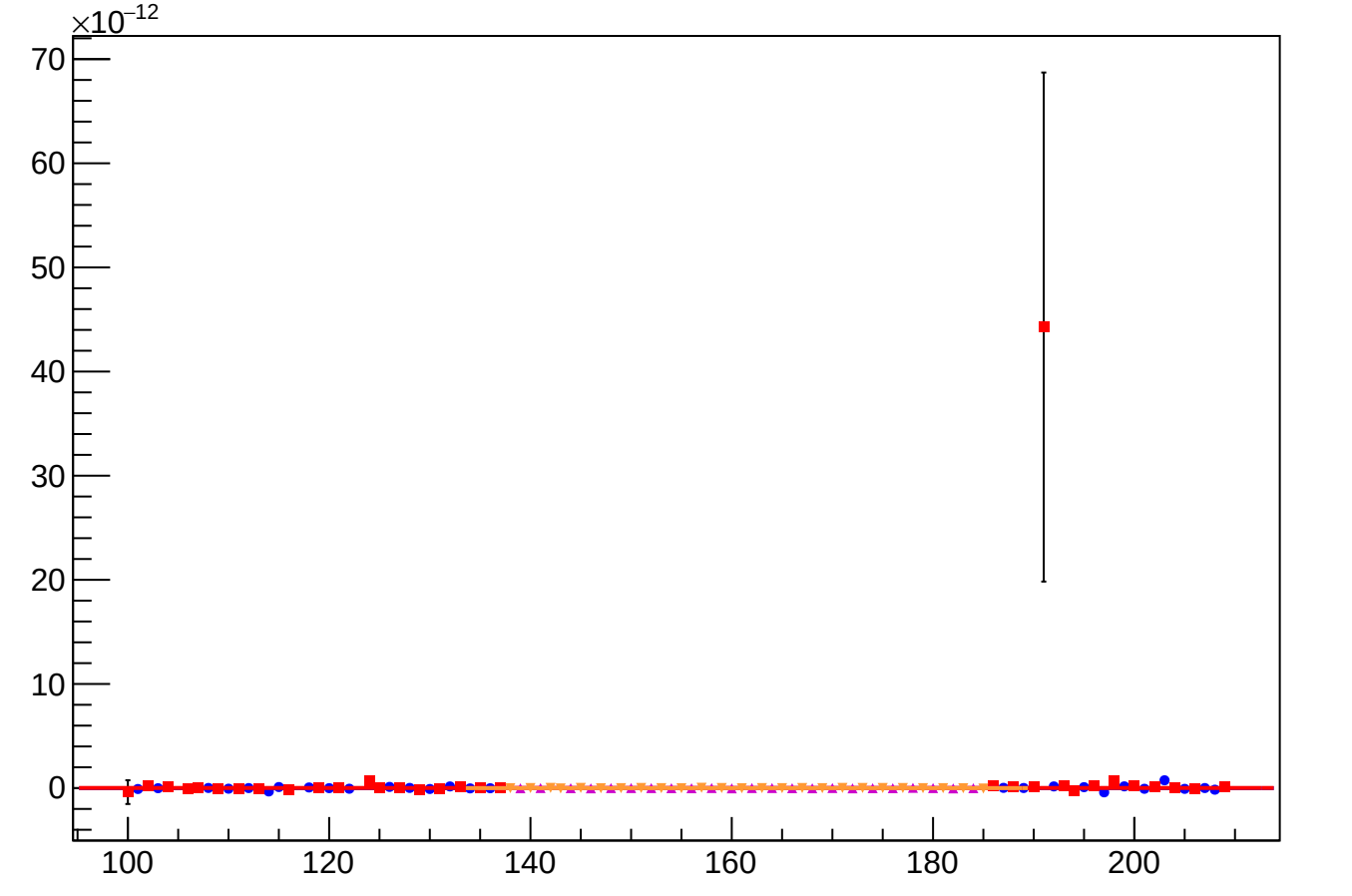
Right Out: 1682.167+/-0.296 χ^2/NDF: 1399409.4/31

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1421.069+/-0.173 χ^2/NDF: 2580588.3/51

All: 1423.452+/-0.122 χ^2/NDF: 5173224.0/10

- sign 1425.846+/-0.173 χ^2/NDF: 2592254.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

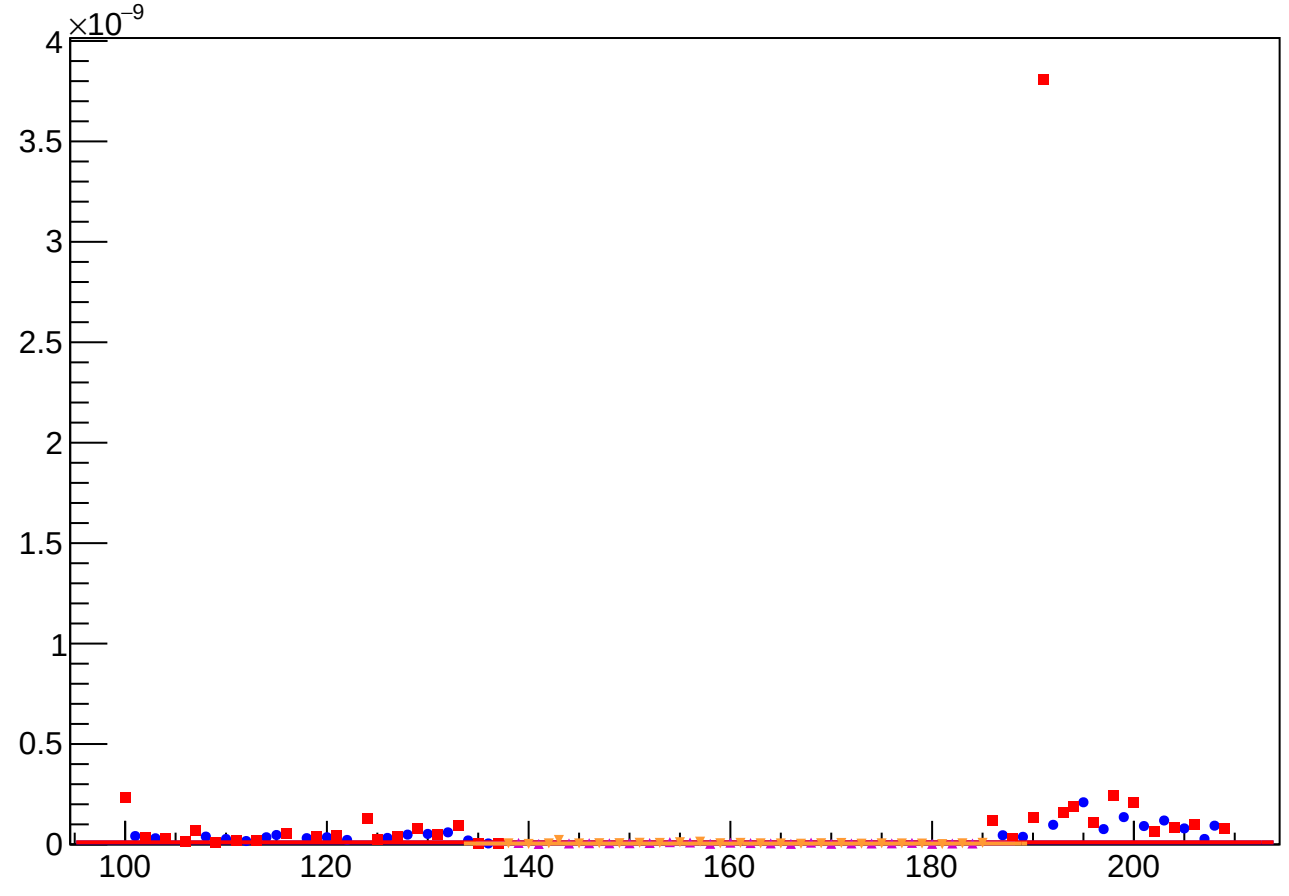
Right Out: 0.000+/-0.000 χ^2/NDF: 38.3/31

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.2/51

All: 0.000+/-0.000 χ^2/NDF: 127.0/106

- sign 0.000+/-0.000 χ^2/NDF: 70.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

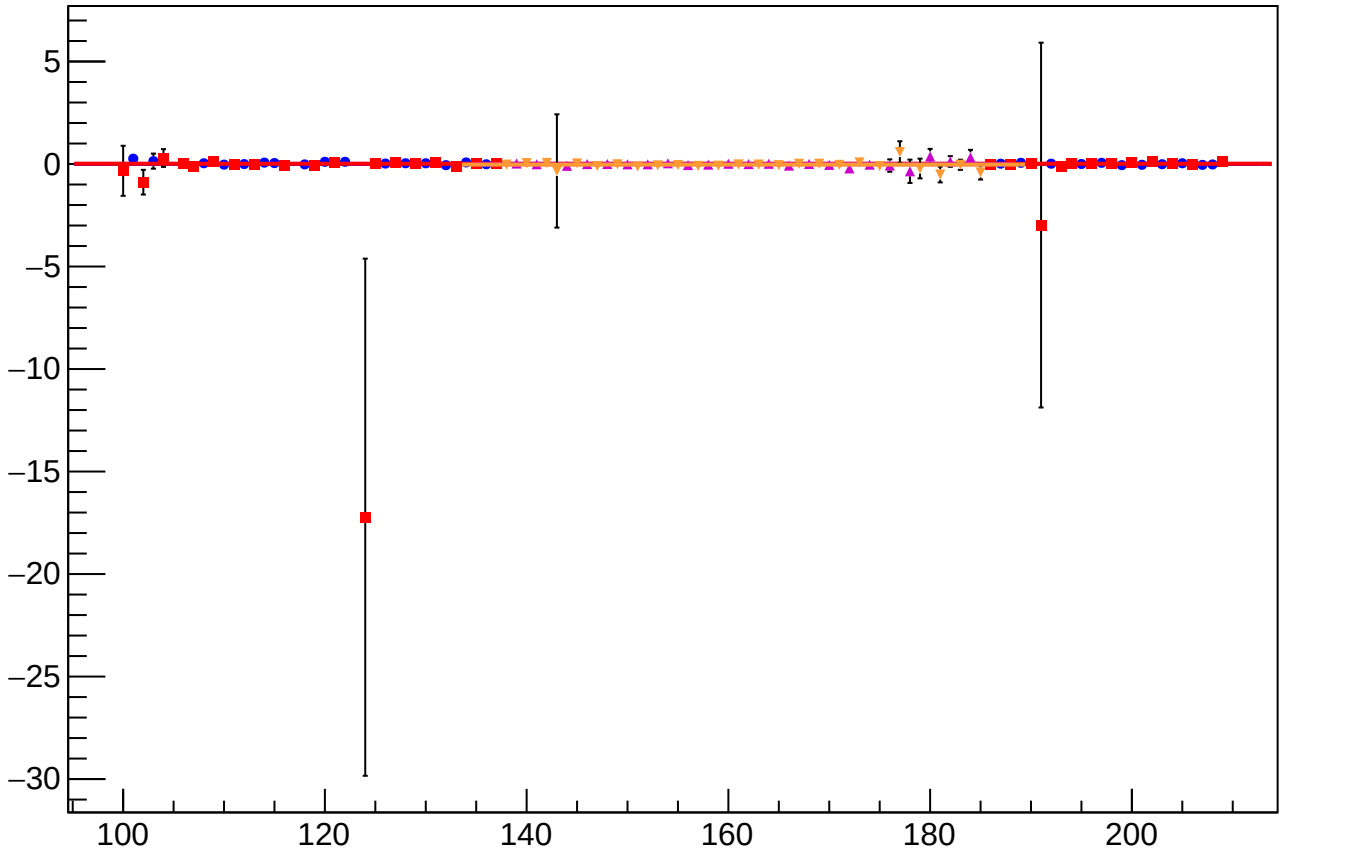
Right Out: 0.000+/-0.000 χ^2/NDF: 9911990.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11194690.2/51

All: 0.000+/-0.000 χ^2/NDF: 24048175.4/106

- sign 0.000+/-0.000 χ^2/NDF: 12827463.0/54



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

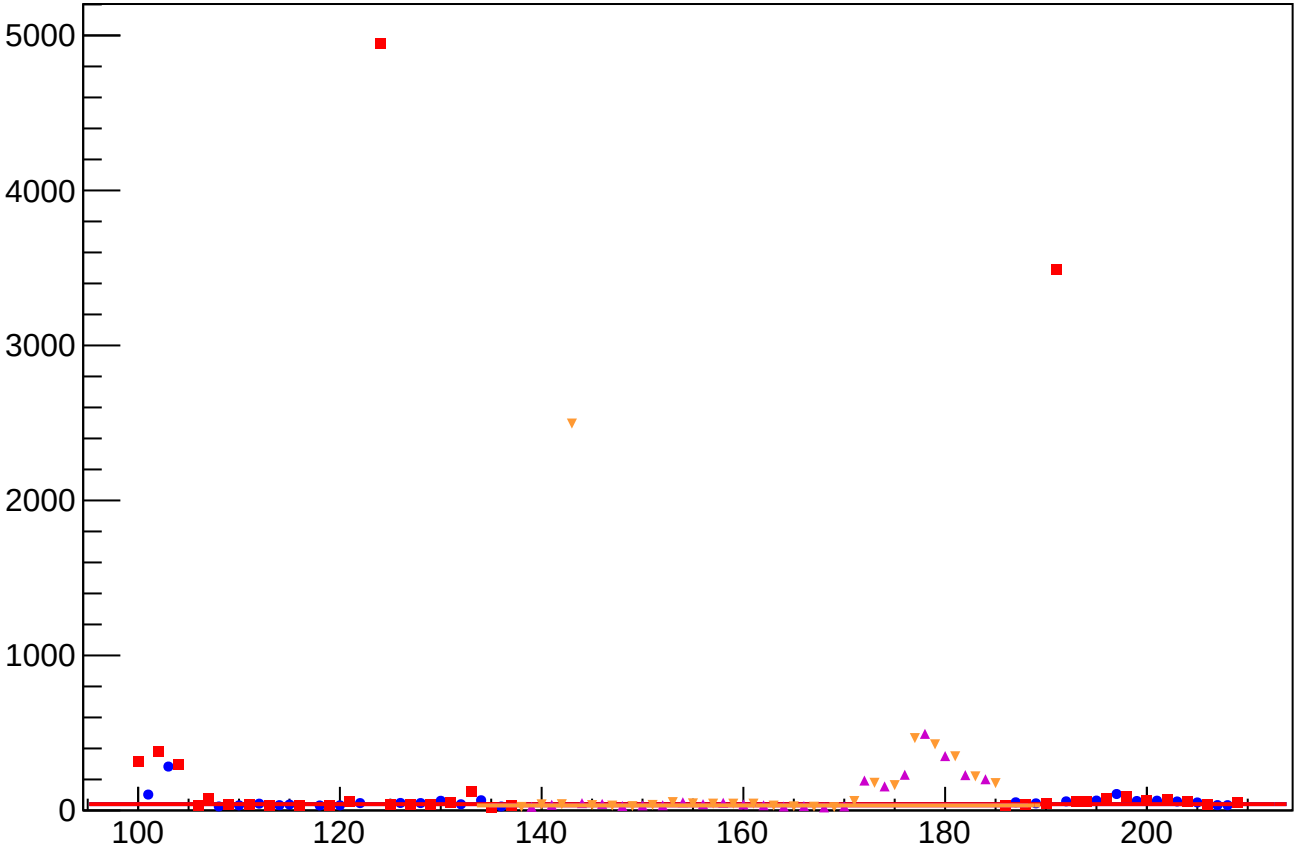
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

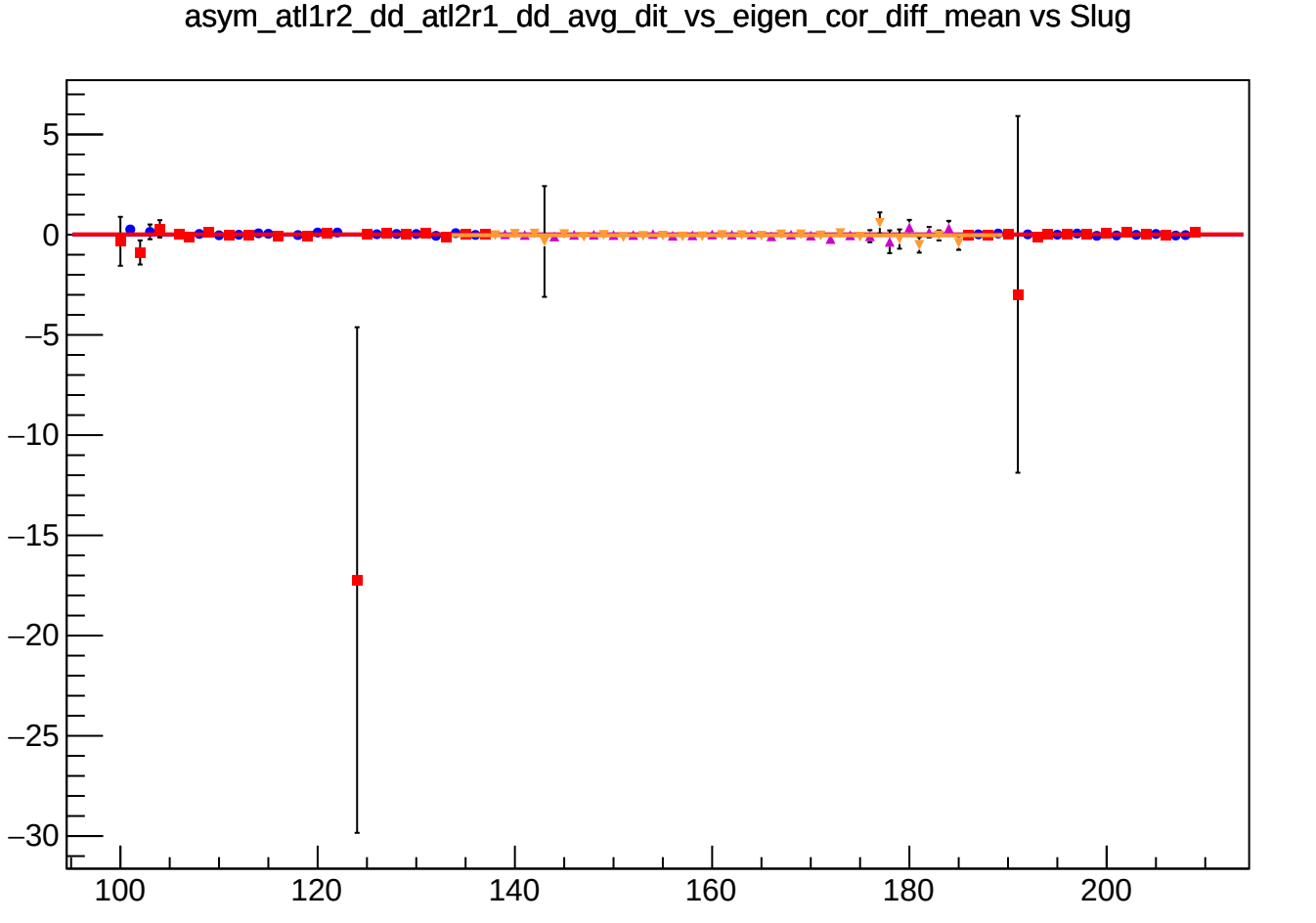
Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106

- sign 35.969+/-0.005 χ^2/NDF: 14994283.9/54



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

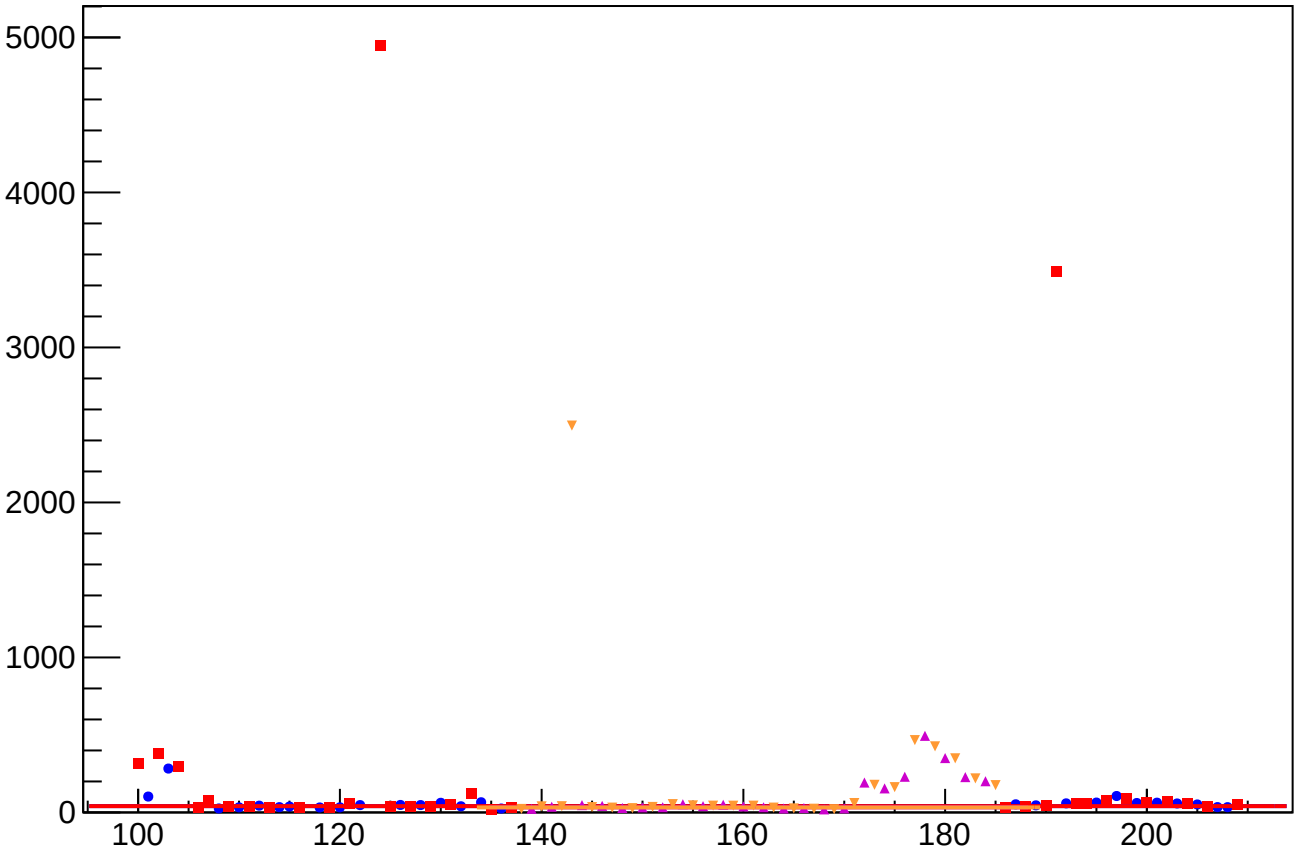
Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

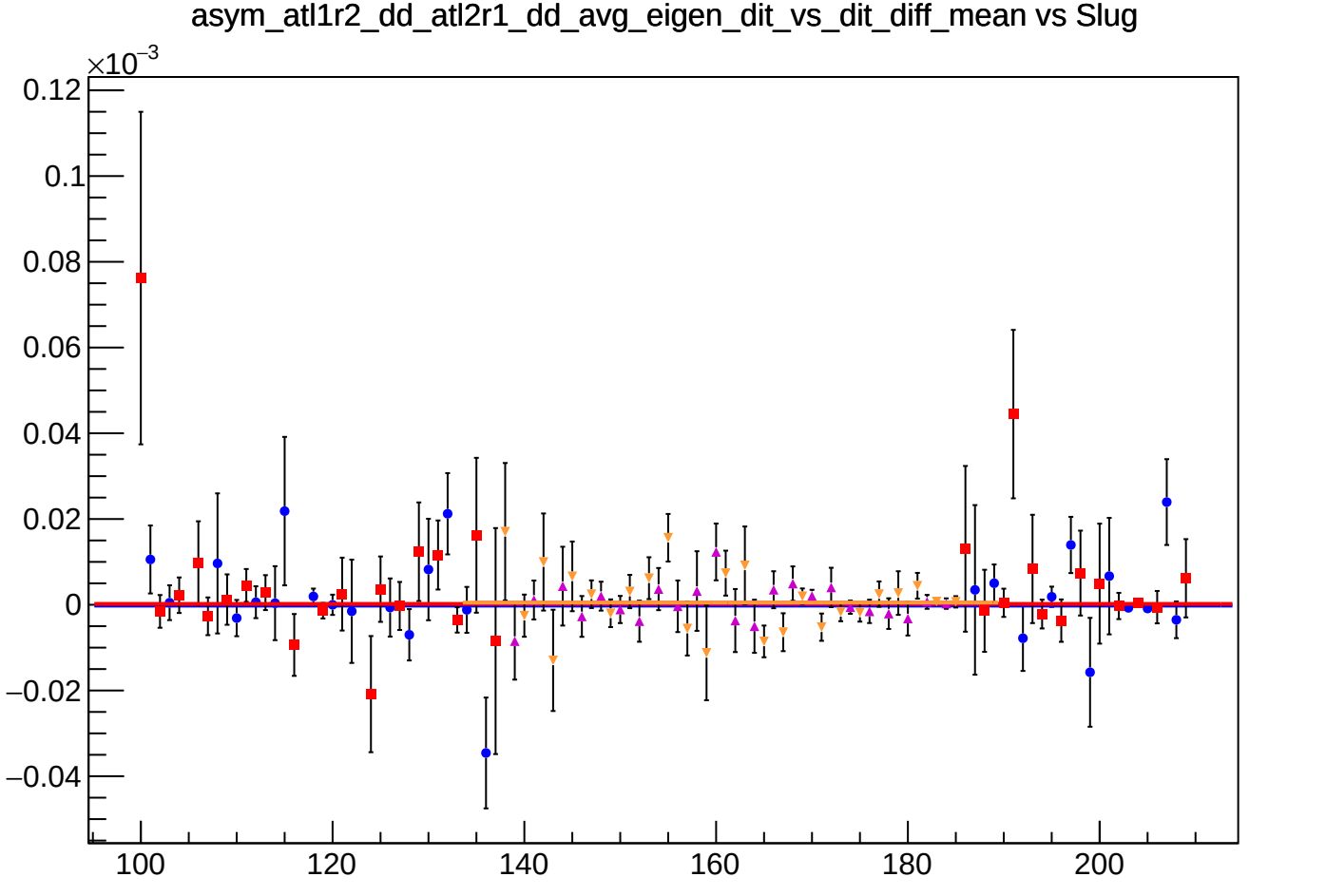
Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

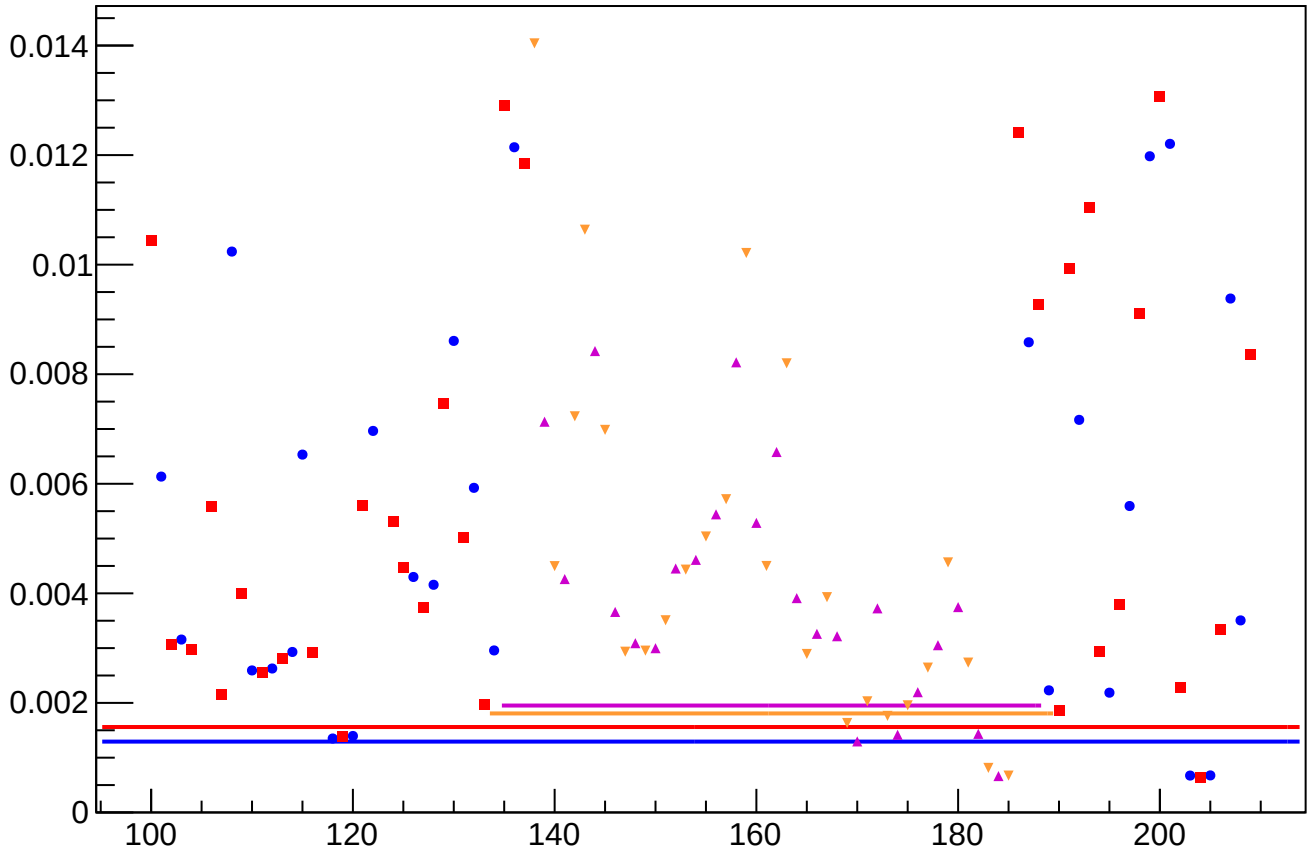
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624607.1/51

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106

- sign 35.969+/-0.005 χ^2/NDF: 14994283.9/54


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 36.8/26
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.6/31
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 73.3/51
All: 0.000+/-0.000 χ²/NDF: 113.8/106
- sign 0.000+/-0.000 χ²/NDF: 40.4/54



Right In: 0.001+/-0.000 χ^2/NDF: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 16523060.5/31

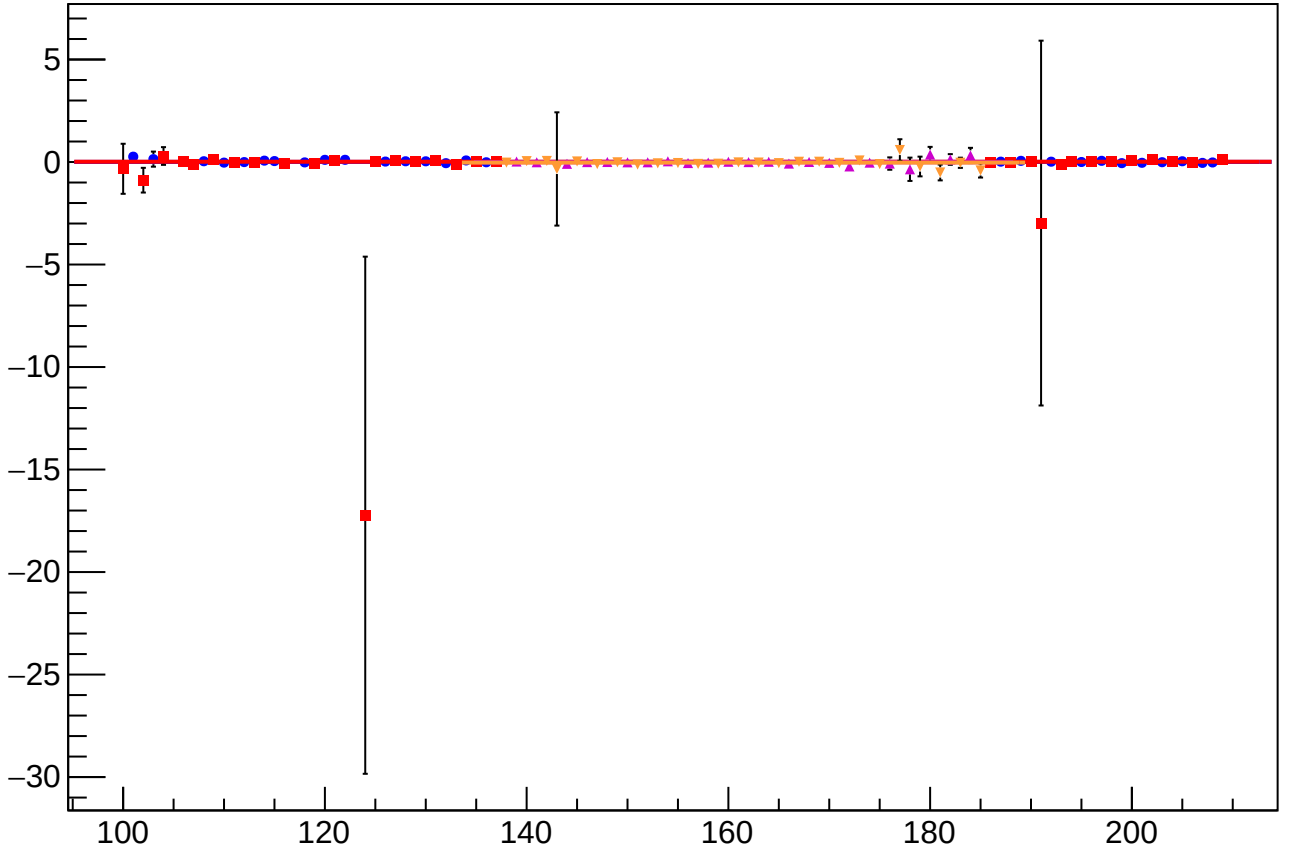
Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 31755158.4/51

All: 0.002+/-0.000 χ^2/NDF: 60518729.3/106

- sign 0.002+/-0.000 χ^2/NDF: 28466486.6/54

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

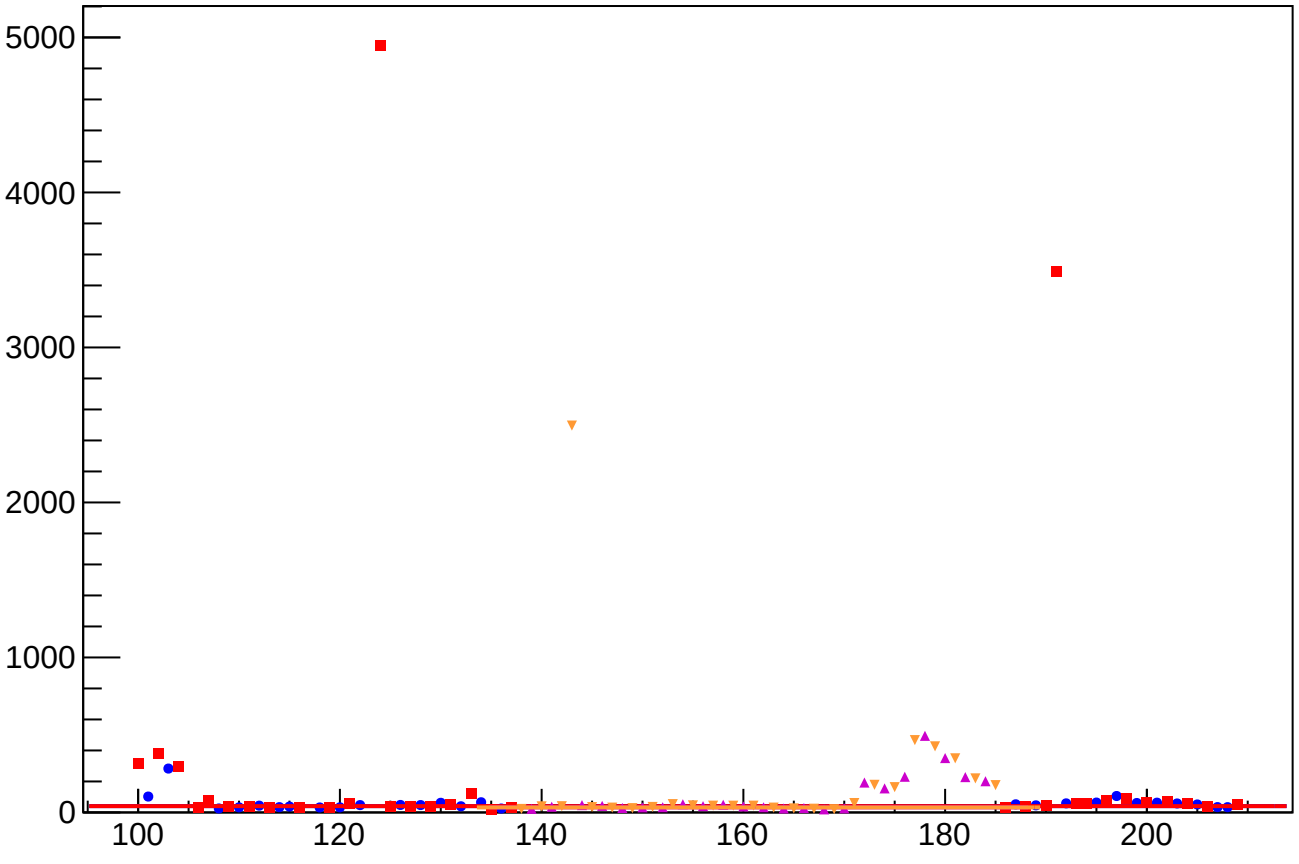
Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

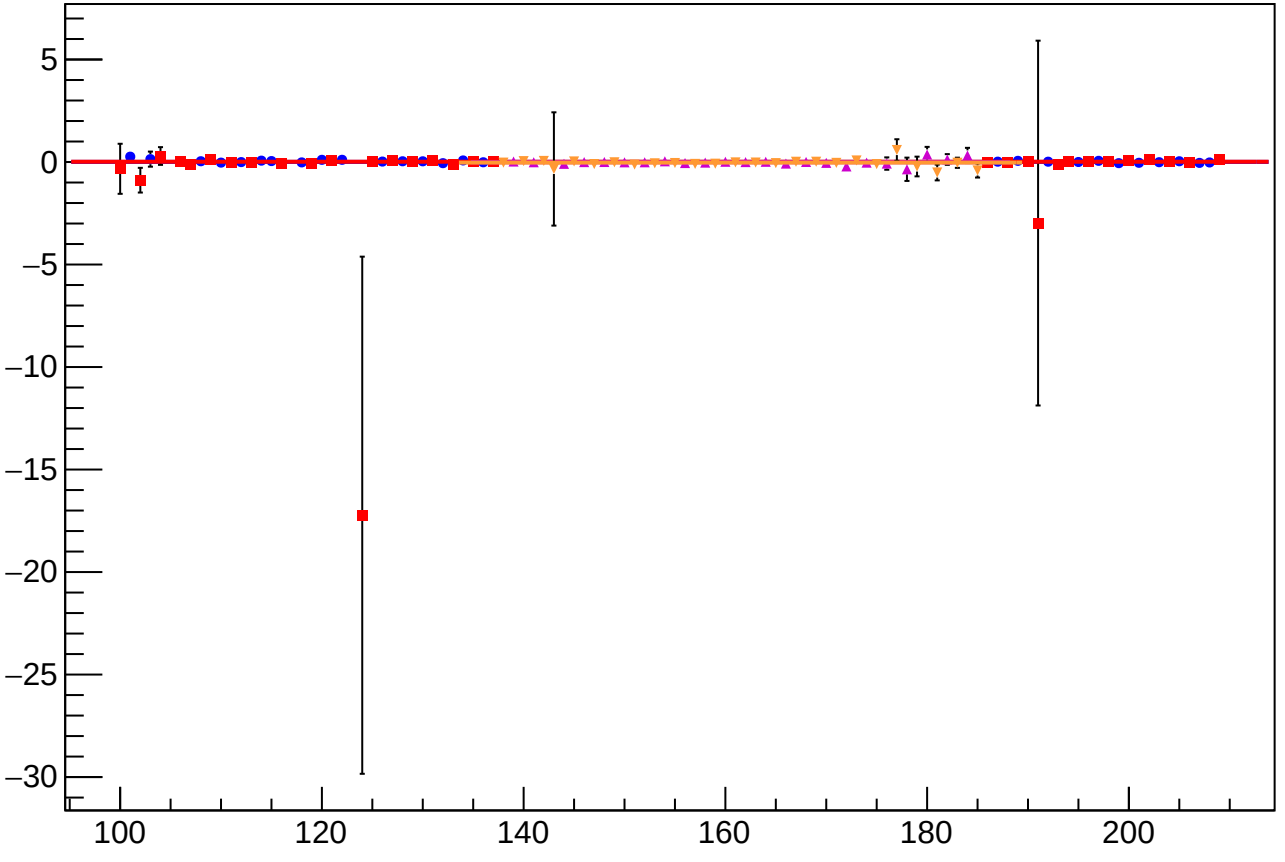
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

- sign 35.969+/-0.005 χ^2/NDF: 14994945.0/54

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

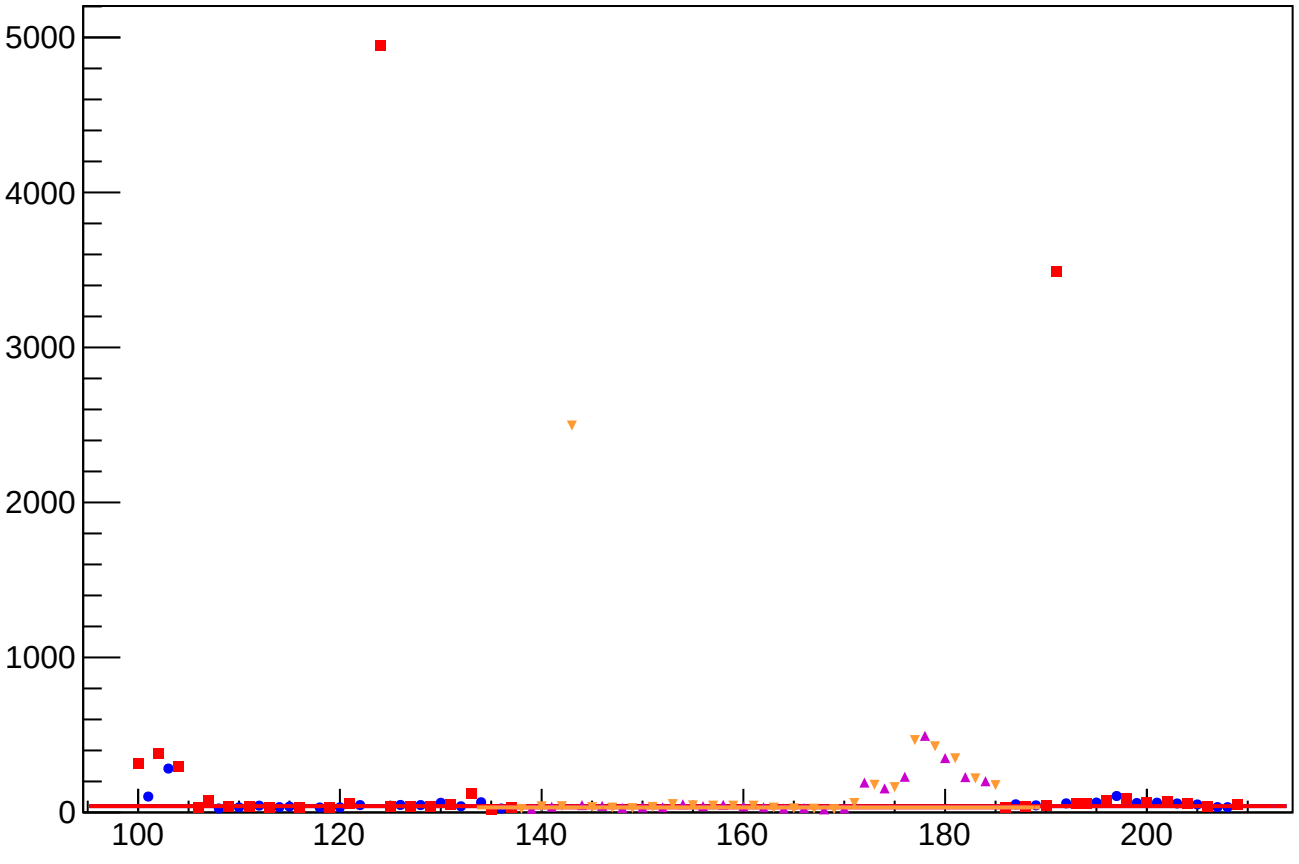
Right Out: 0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.015+/-0.007 χ^2/NDF: 49.1/51

All: -0.008+/-0.005 χ^2/NDF: 93.6/106

- sign -0.001+/-0.007 χ^2/NDF: 42.7/54



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

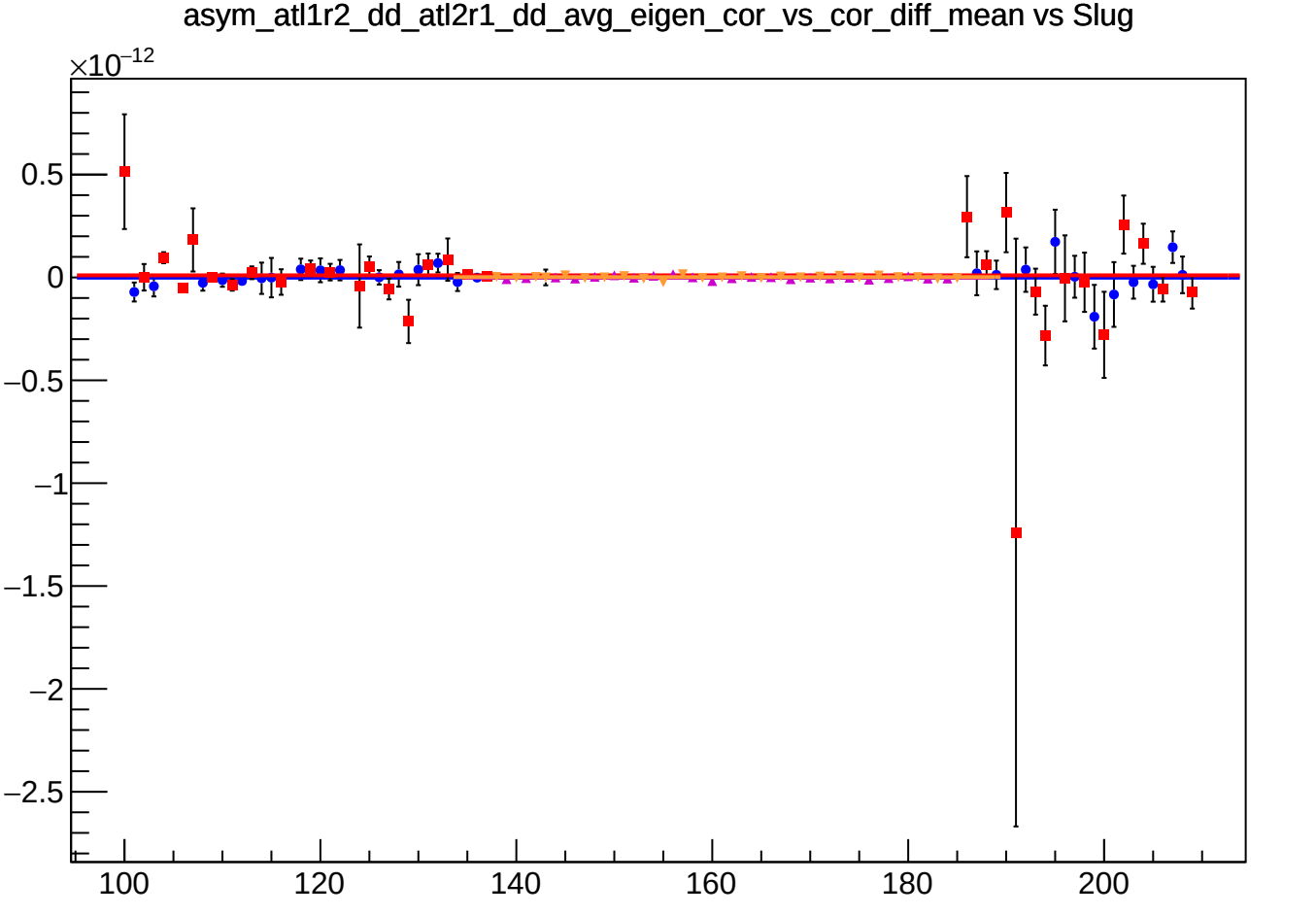
Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.868+/-0.005 χ^2/NDF: 15624558.0/51

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

- sign 35.969+/-0.005 χ^2/NDF: 14994945.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

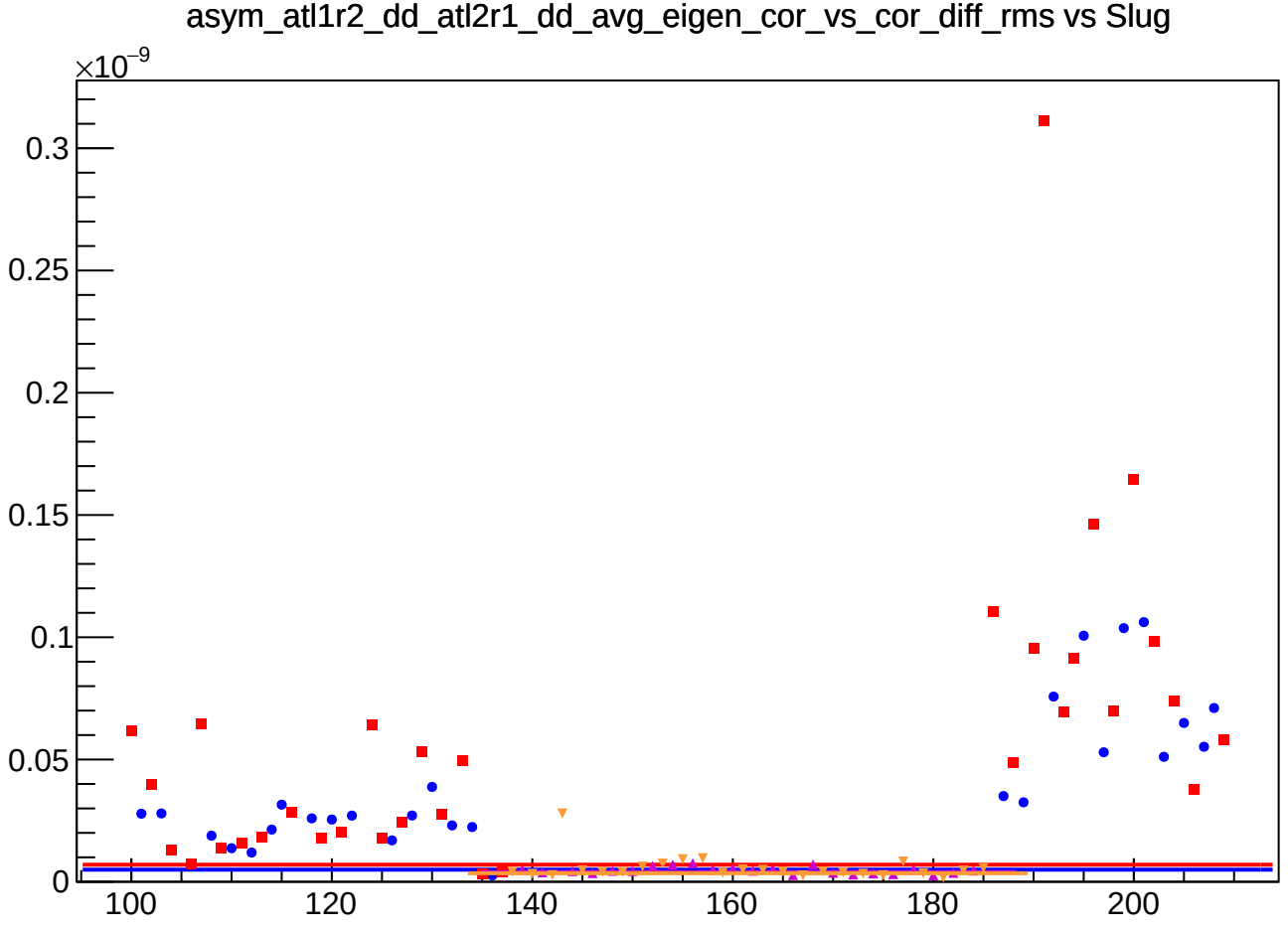
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/31

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

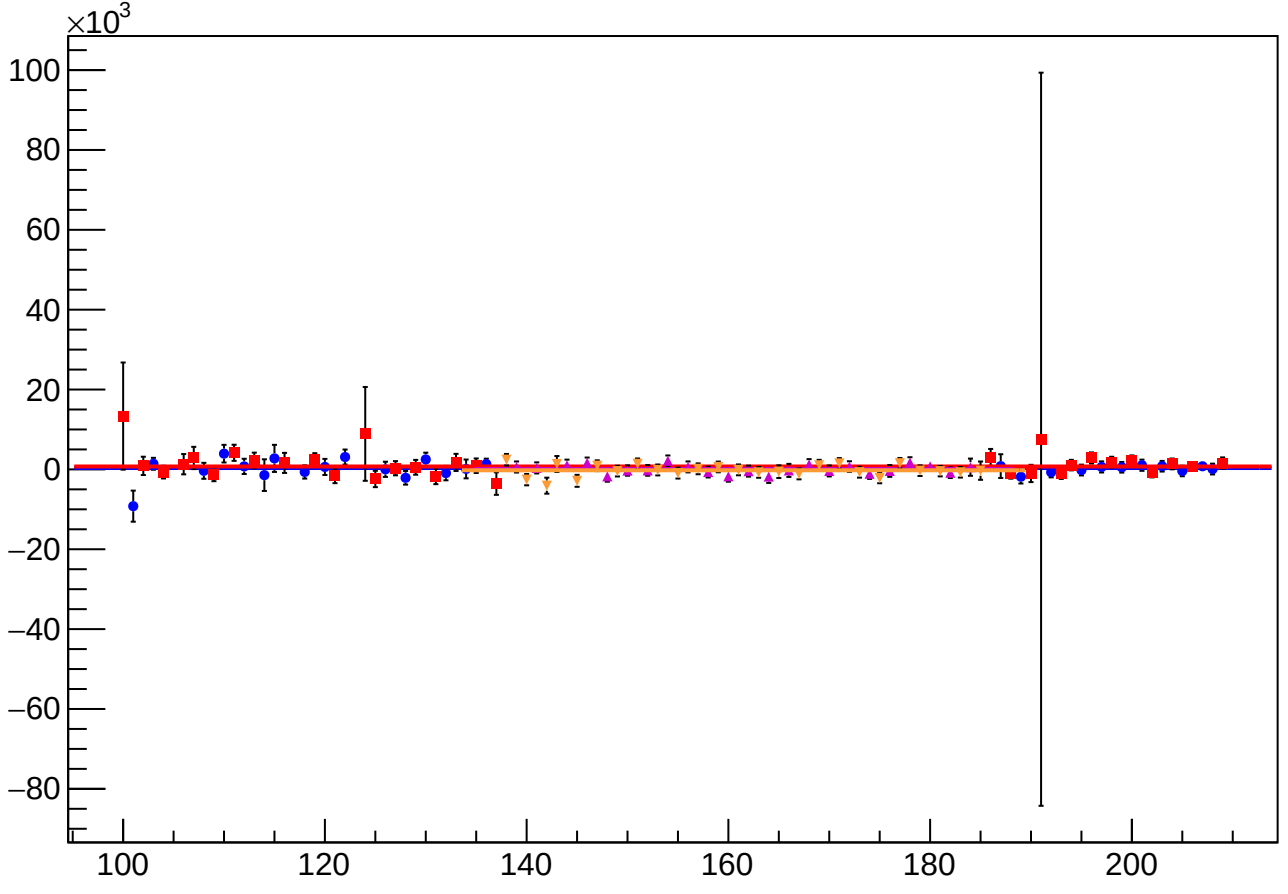
+ sign 0.000+/-0.000 χ^2/NDF: 34.4/51

All: 0.000+/-0.000 χ^2/NDF: 131.7/106

- sign -0.000+/-0.000 χ^2/NDF: 96.1/54


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_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: 12981532.3/26
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 13733943.7/31
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 18003535.1/51
All: 0.000+/-0.000 χ²/NDF: 35074097.5/106
- sign 0.000+/-0.000 χ²/NDF: 16784935.8/54

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 726.532+/-311.191 χ^2/NDF: 27.7/31

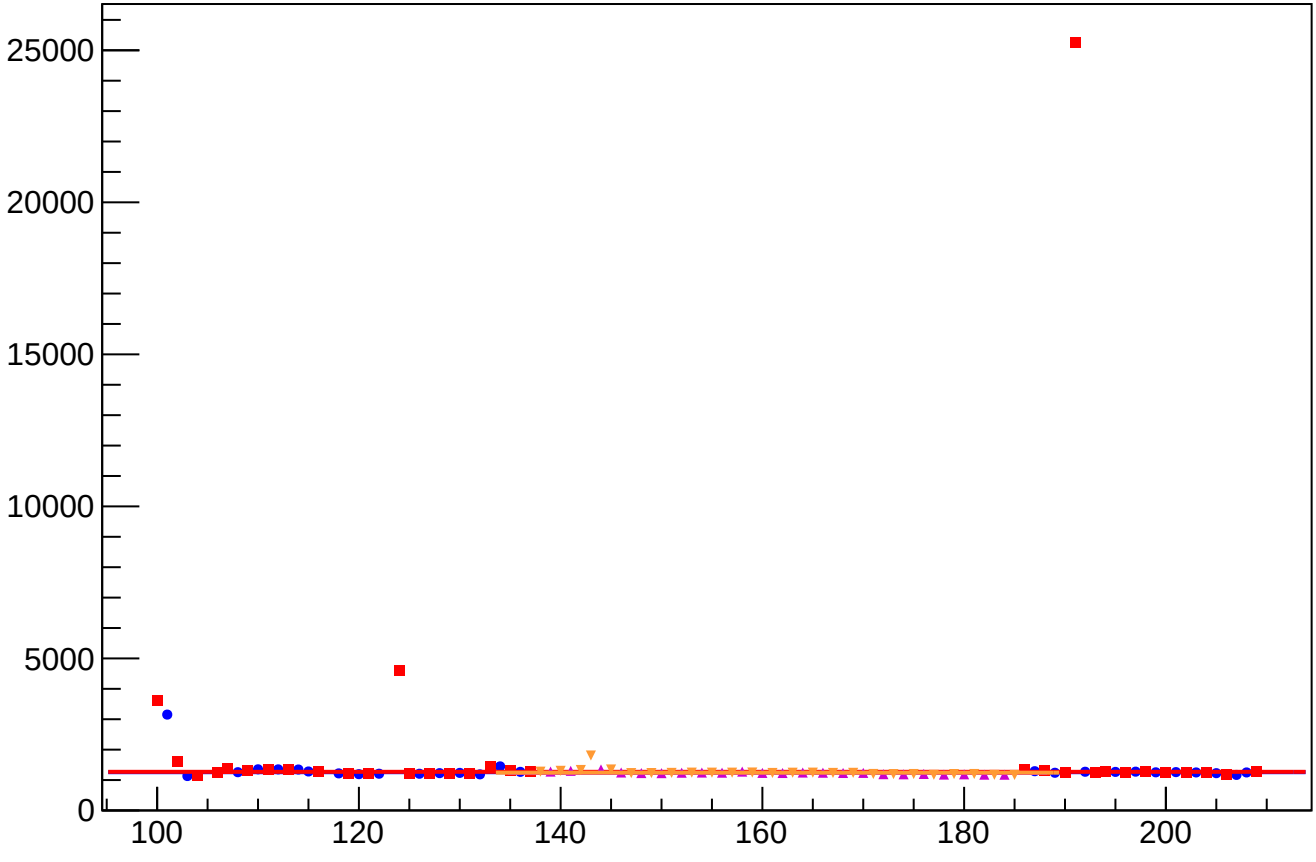
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 28.363+/-211.712 χ^2/NDF: 46.4/51

All: 206.996+/-149.612 χ^2/NDF: 92.5/106

- sign 385.197+/-211.456 χ^2/NDF: 44.7/54

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

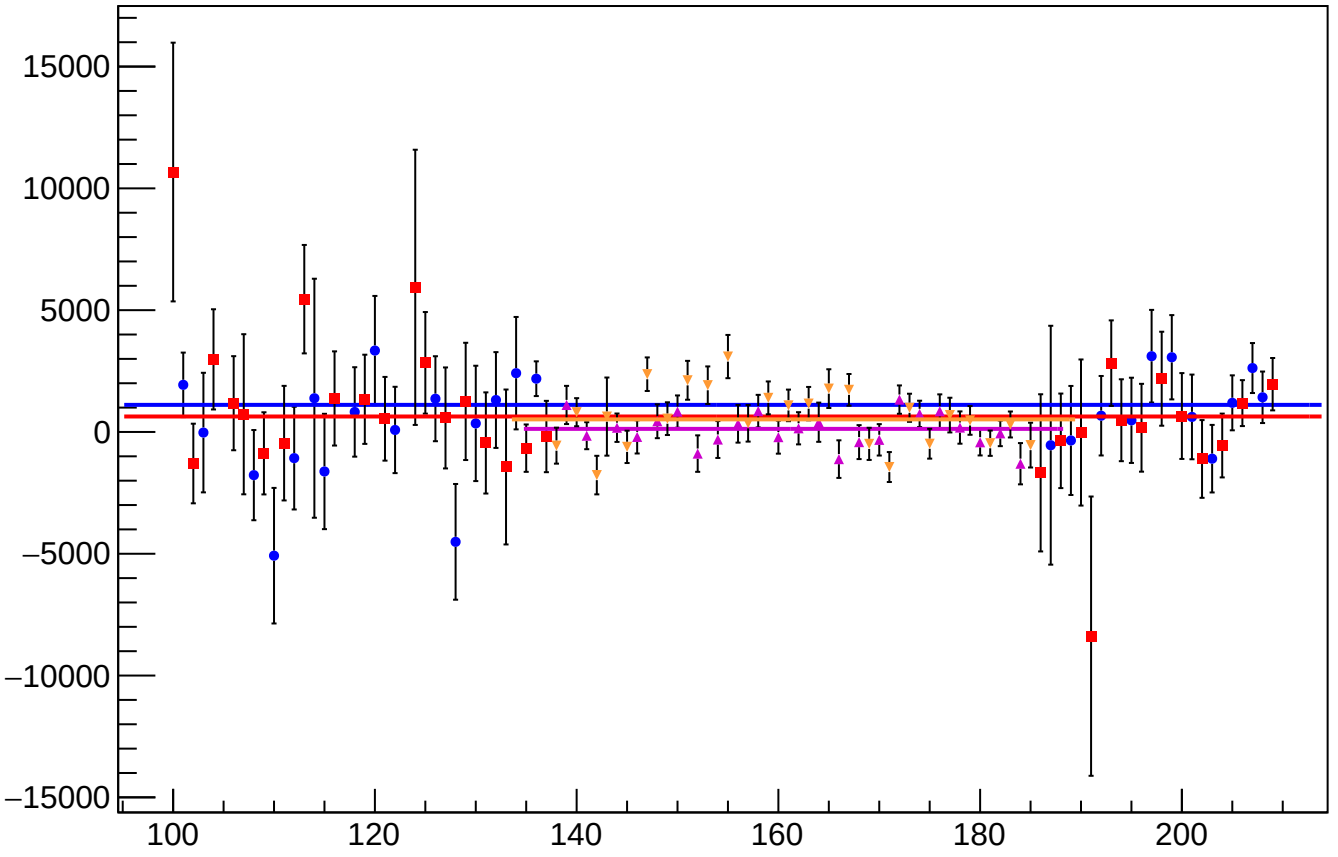
Right Out: 1270.643+/-0.220 χ^2/NDF: 486615.6/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1249.518+/-0.150 χ^2/NDF: 739751.6/51

All: 1250.153+/-0.106 χ^2/NDF: 1280814.3/10

- sign 1250.786+/-0.150 χ^2/NDF: 541026.8/54



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

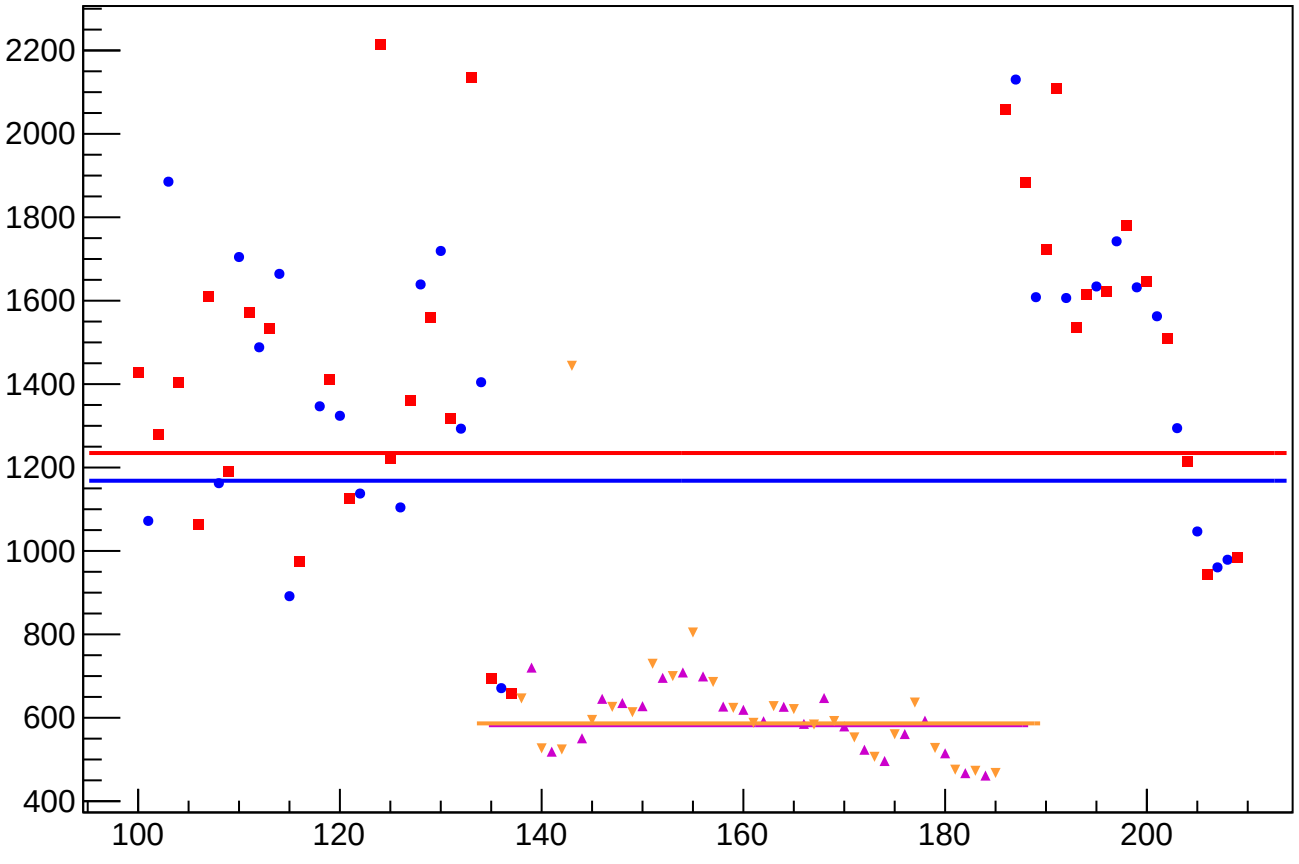
Right Out: 635.031+/-312.903 χ^2/NDF: 26.7/31

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 613.689+/-124.208 χ^2/NDF: 98.2/51

All: 413.581+/-88.352 χ^2/NDF: 153.9/106

- sign 208.629+/-125.703 χ^2/NDF: 50.4/54



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

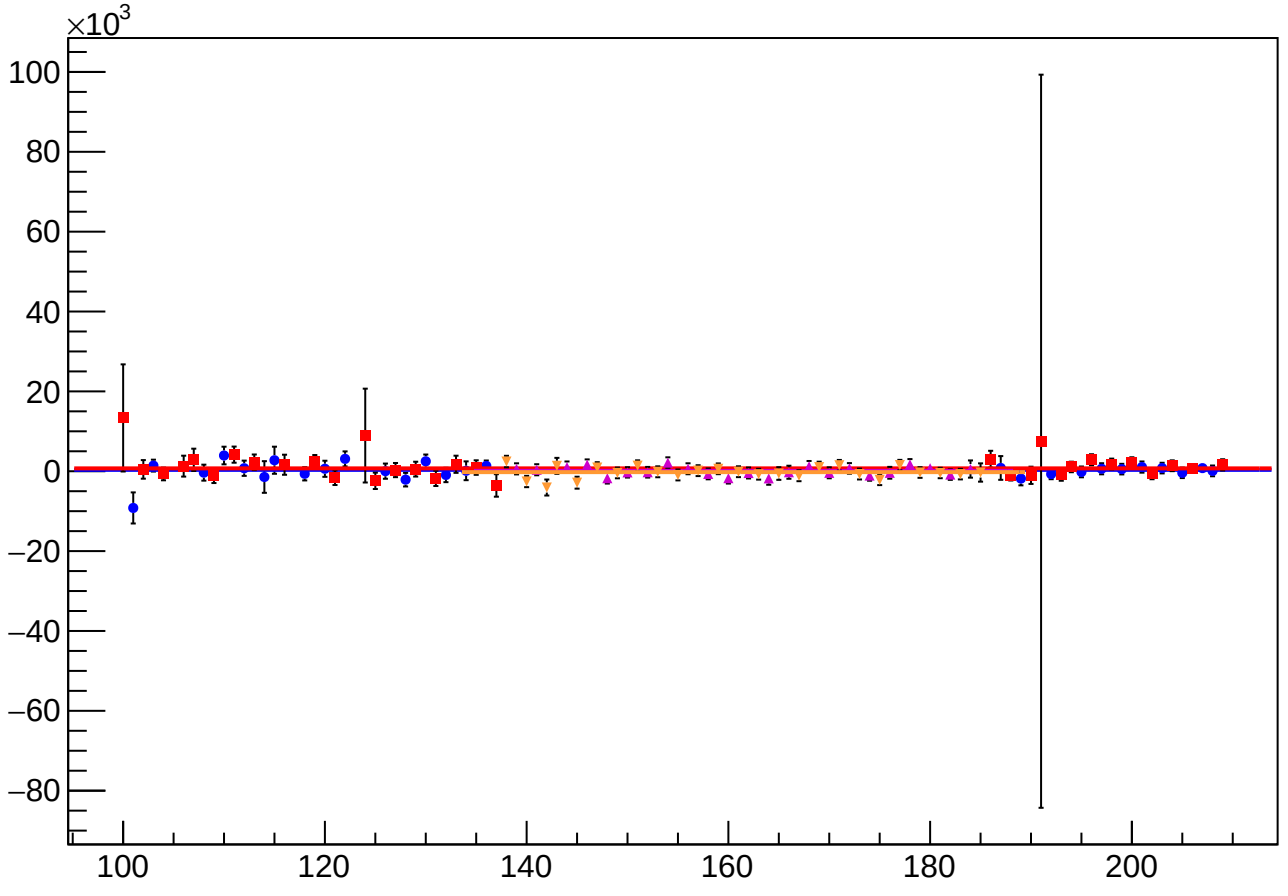
Right Out: 1234.788+/-0.221 χ^2/NDF: 2730712.1/31

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 681.251+/-0.088 χ^2/NDF: 9807434.2/51

All: 684.344+/-0.062 χ^2/NDF: 20395547.4/10

- sign 687.511+/-0.089 χ^2/NDF: 10585603.3/54



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

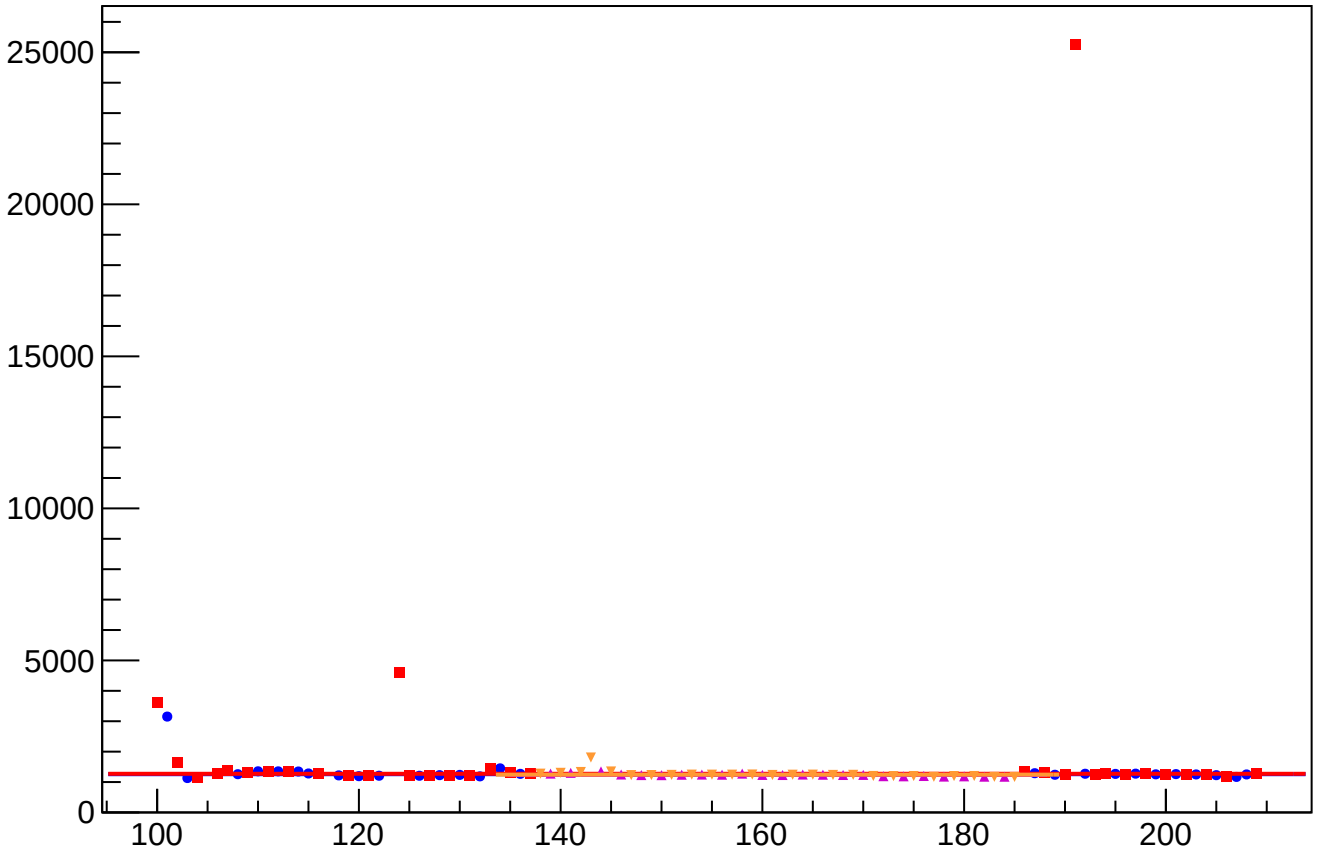
Right Out: 718.246+/-311.413 χ^2/NDF: 27.7/31

Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 204.966+/-149.637 χ^2/NDF: 92.3/106

- sign 381.188+/-211.526 χ^2/NDF: 44.6/54



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

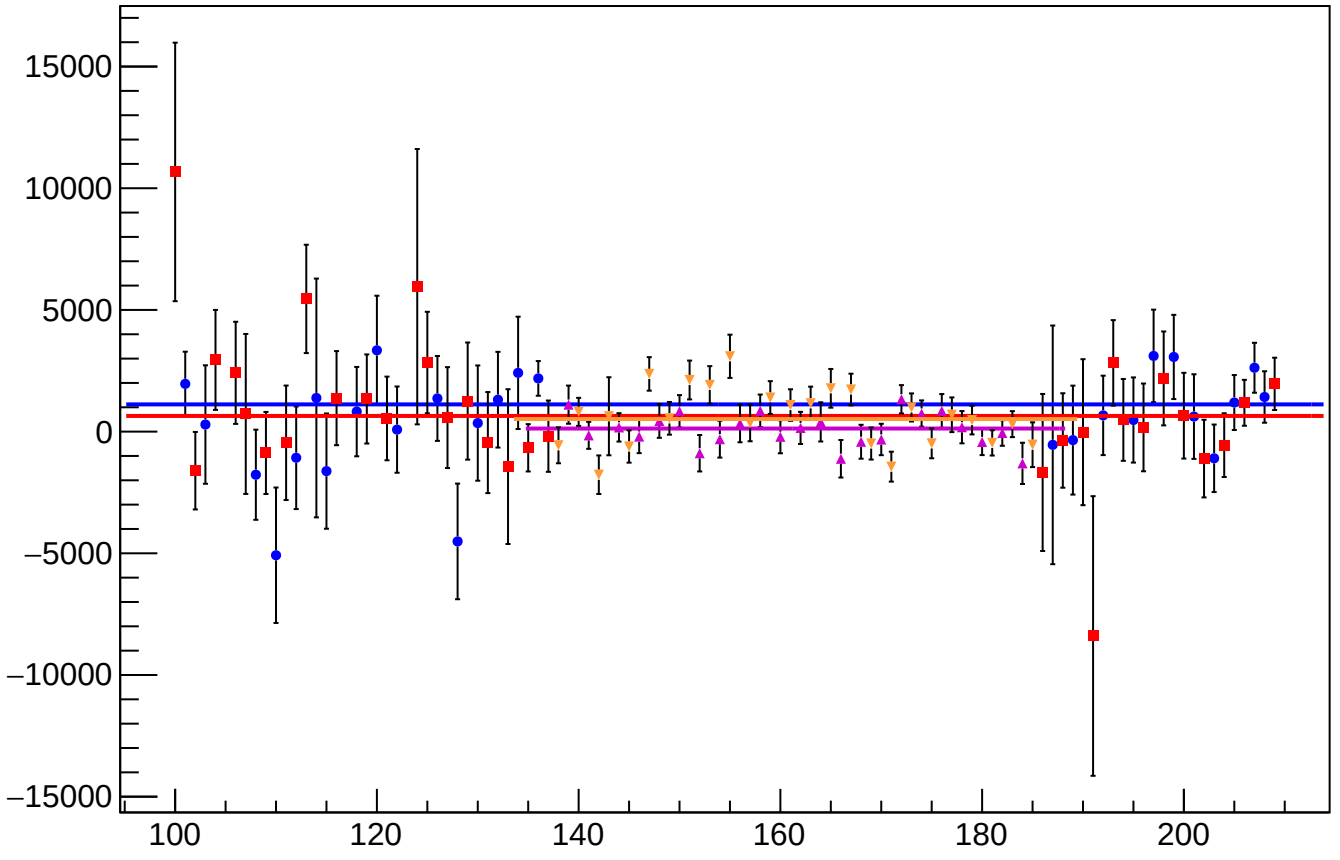
Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

- sign 1251.207+/-0.150 χ^2/NDF: 548939.3/54



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 644.003+/-313.211 χ^2/NDF: 27.9/31

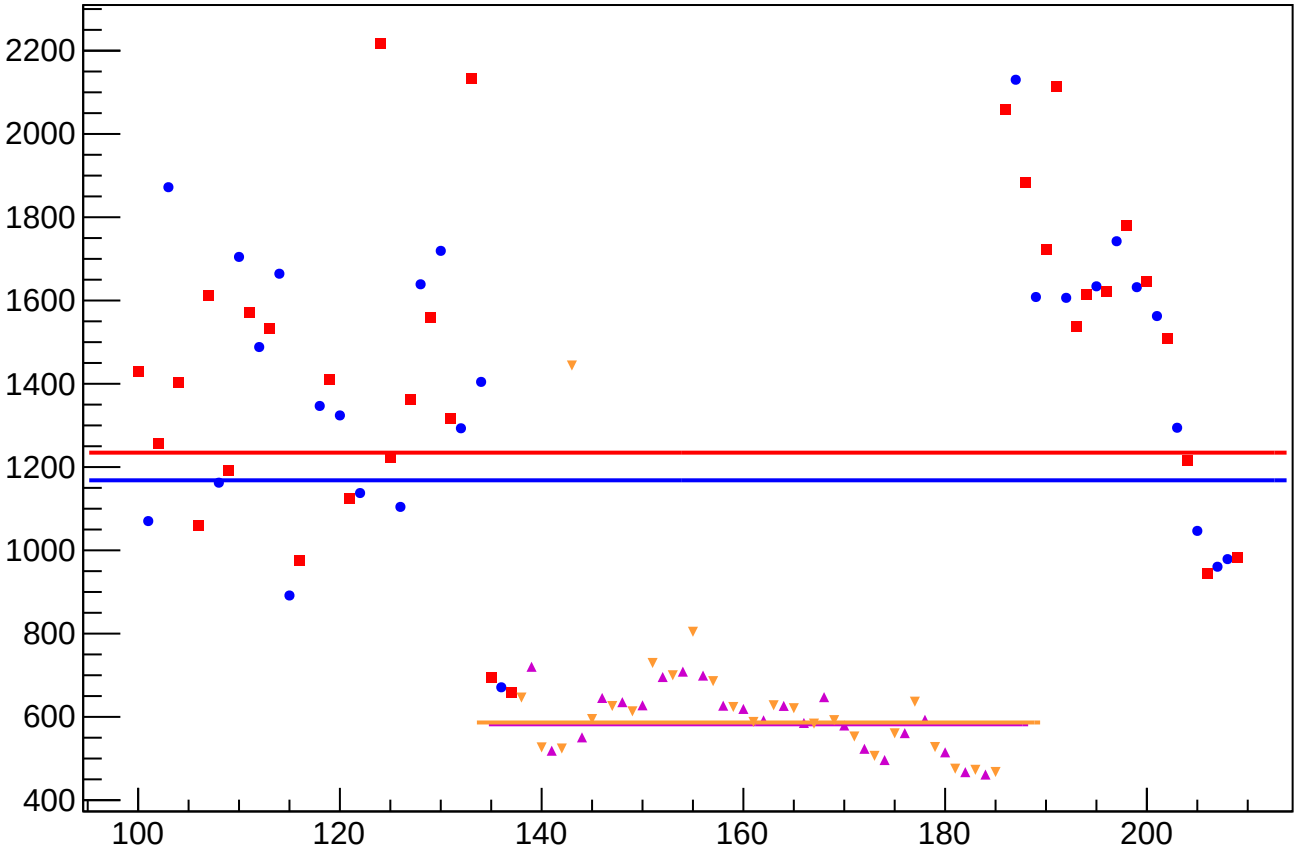
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 414.814+/-88.358 χ^2/NDF: 155.2/106

\- sign 209.922+/-125.722 χ^2/NDF: 51.7/54

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

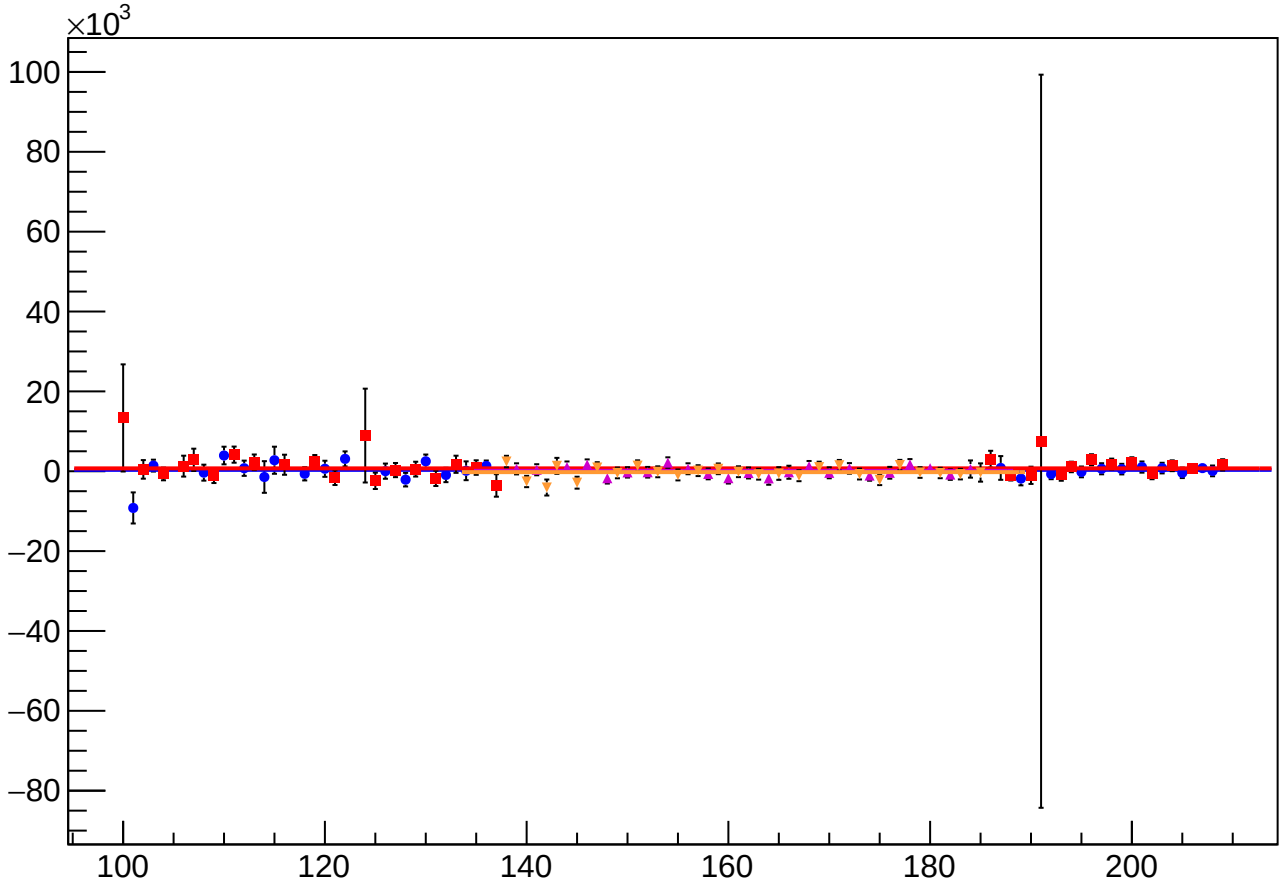
Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10

- sign 687.308+/-0.089 χ^2/NDF: 10567182.0/54



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 718.246+/-311.413 χ^2/NDF: 27.7/31

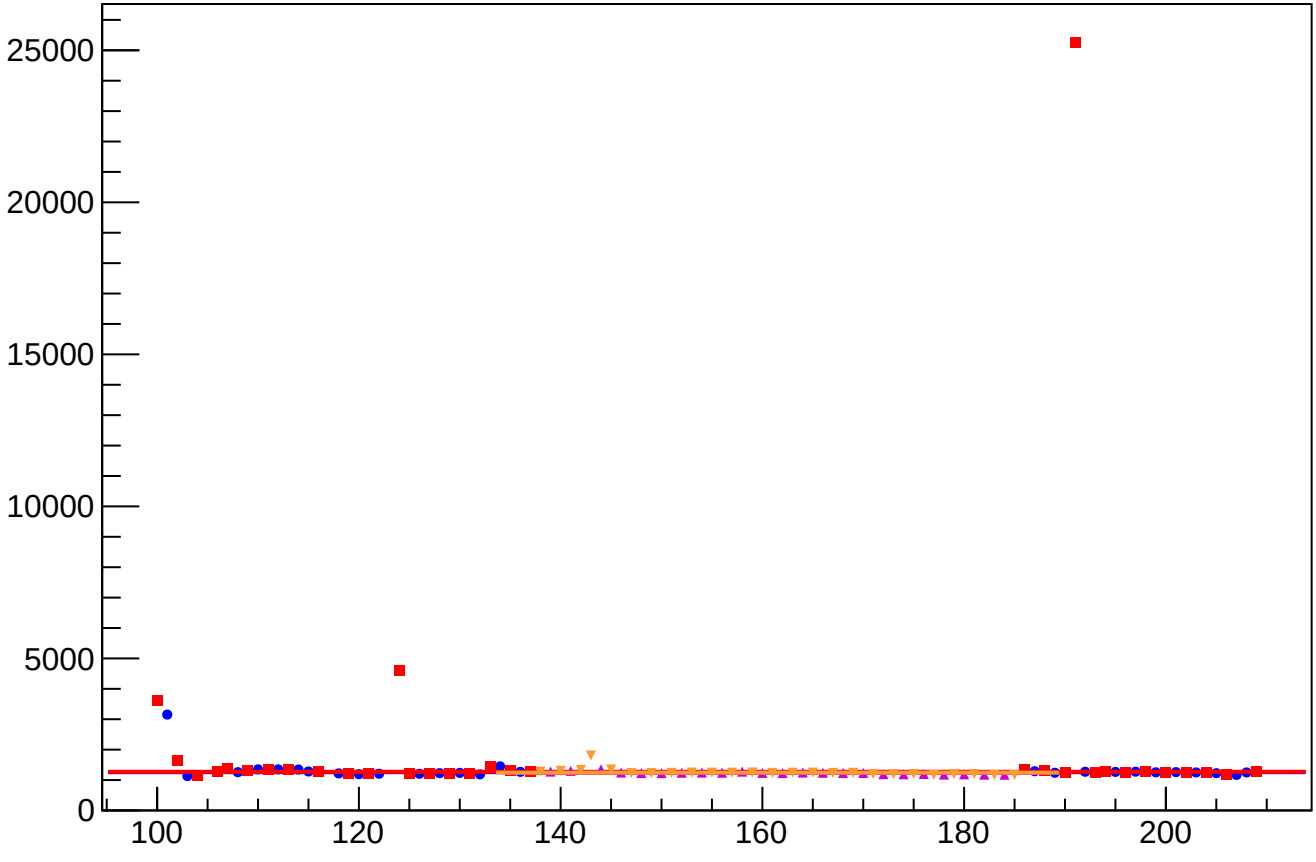
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 28.434+/-211.712 χ^2/NDF: 46.3/51

All: 204.966+/-149.637 χ^2/NDF: 92.3/106

- sign 381.188+/-211.526 χ^2/NDF: 44.6/54

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

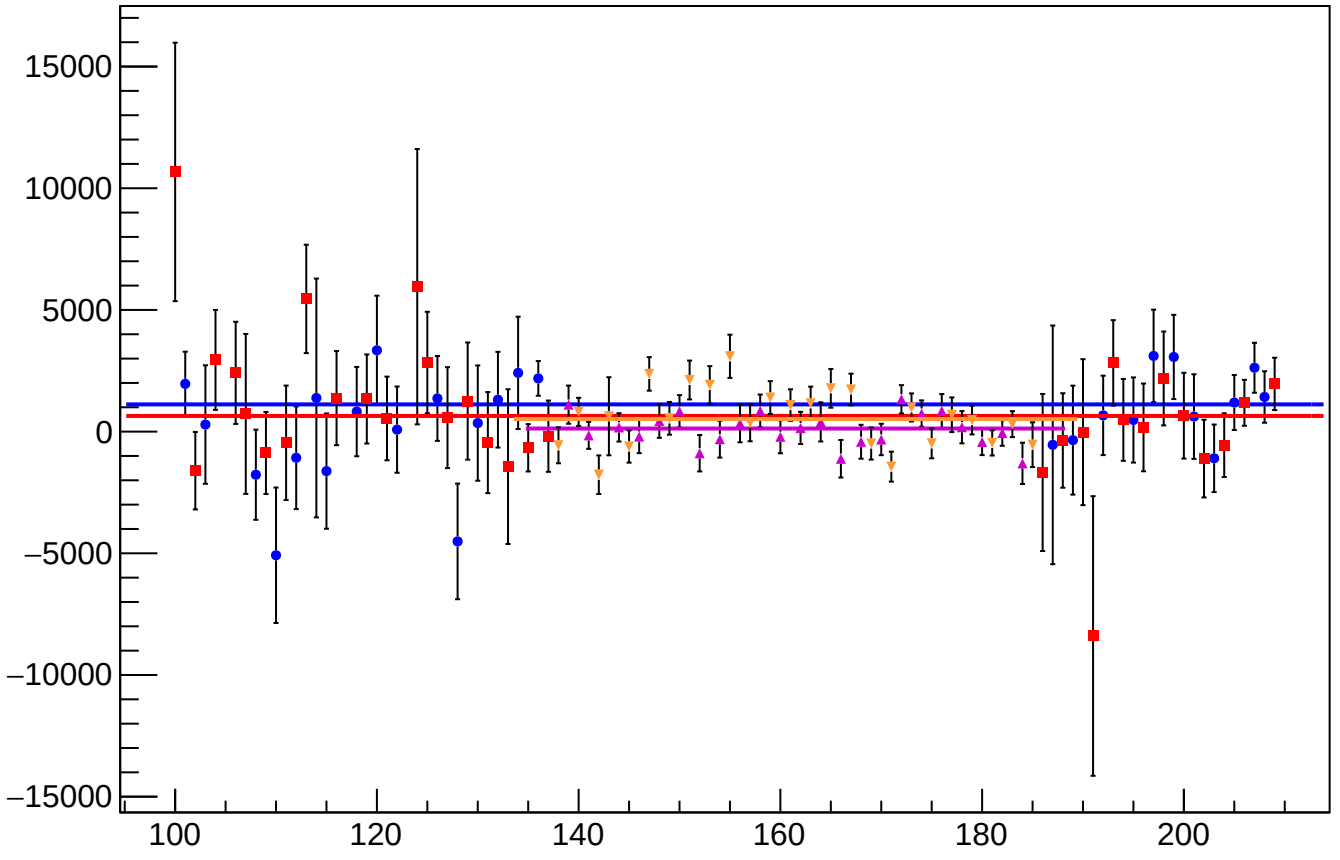
Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1249.517+/-0.150 χ^2/NDF: 739752.9/51

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

- sign 1251.207+/-0.150 χ^2/NDF: 548939.3/54



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

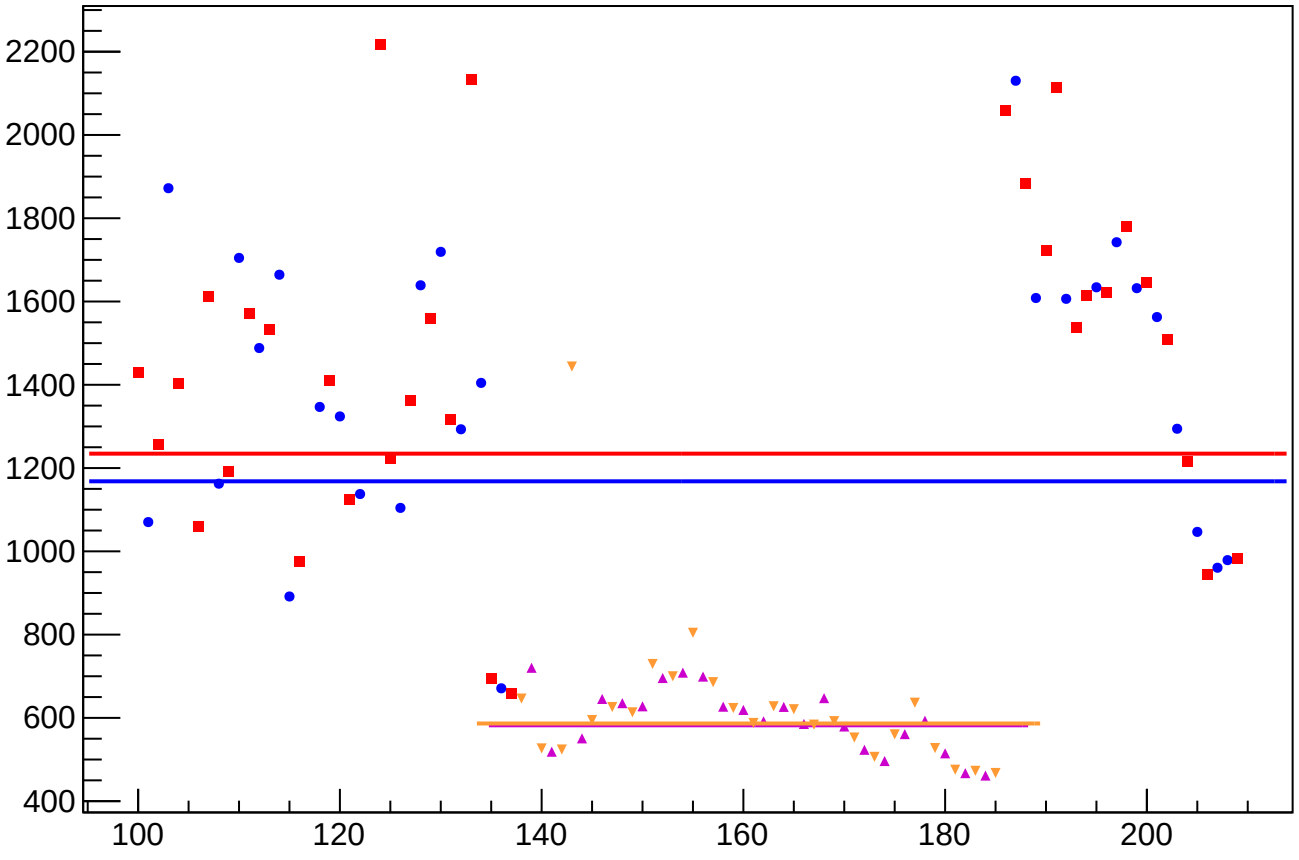
Right Out: 644.003+/-313.211 χ^2/NDF: 27.9/31

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 614.789+/-124.205 χ^2/NDF: 98.2/51

All: 414.814+/-88.358 χ^2/NDF: 155.2/106

- sign 209.922+/-125.722 χ^2/NDF: 51.7/54



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

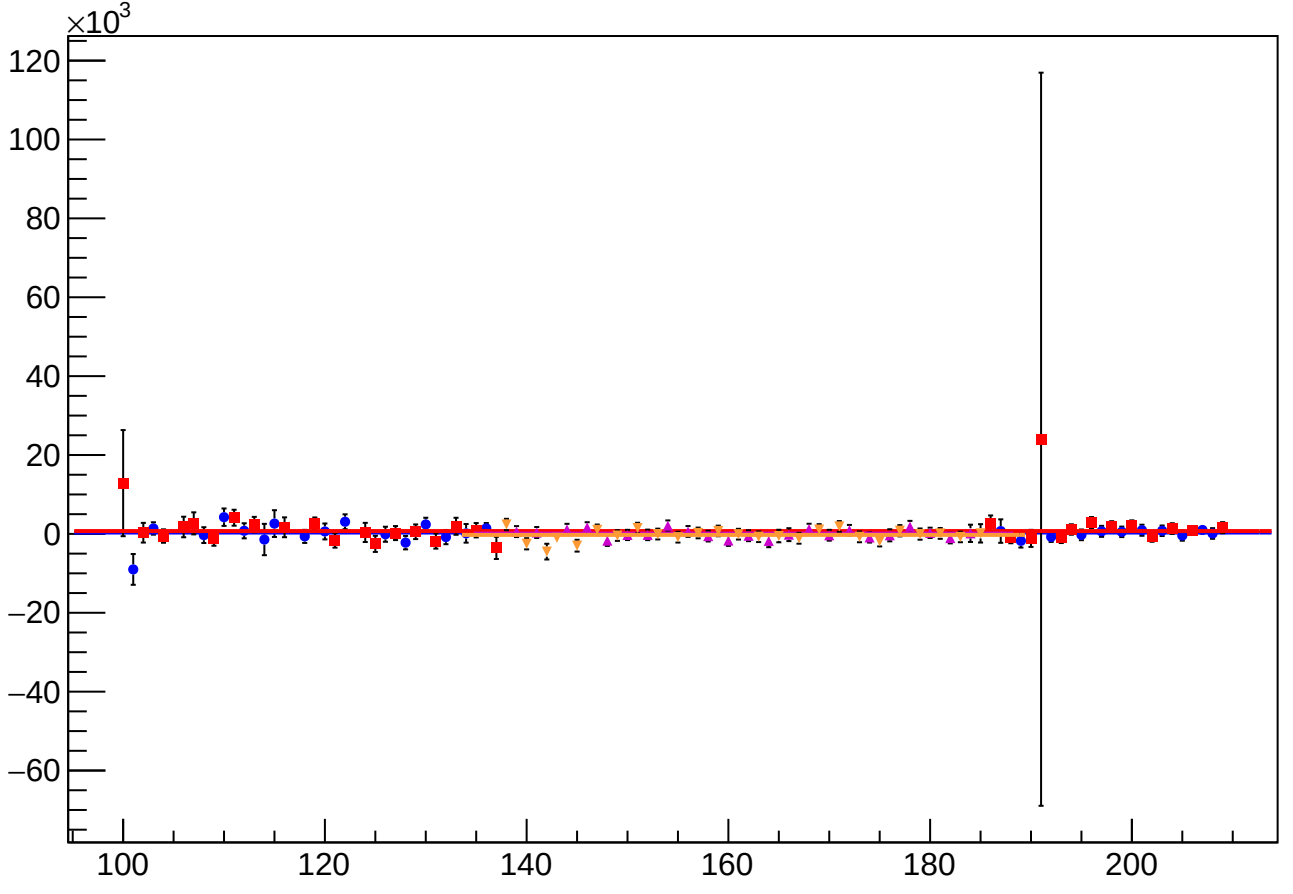
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 681.268+/-0.088 χ^2/NDF: 9803510.4/51

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10

- sign 687.308+/-0.089 χ^2/NDF: 10567182.0/54

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 716.571+/-310.600 χ^2/NDF: 27.2/31

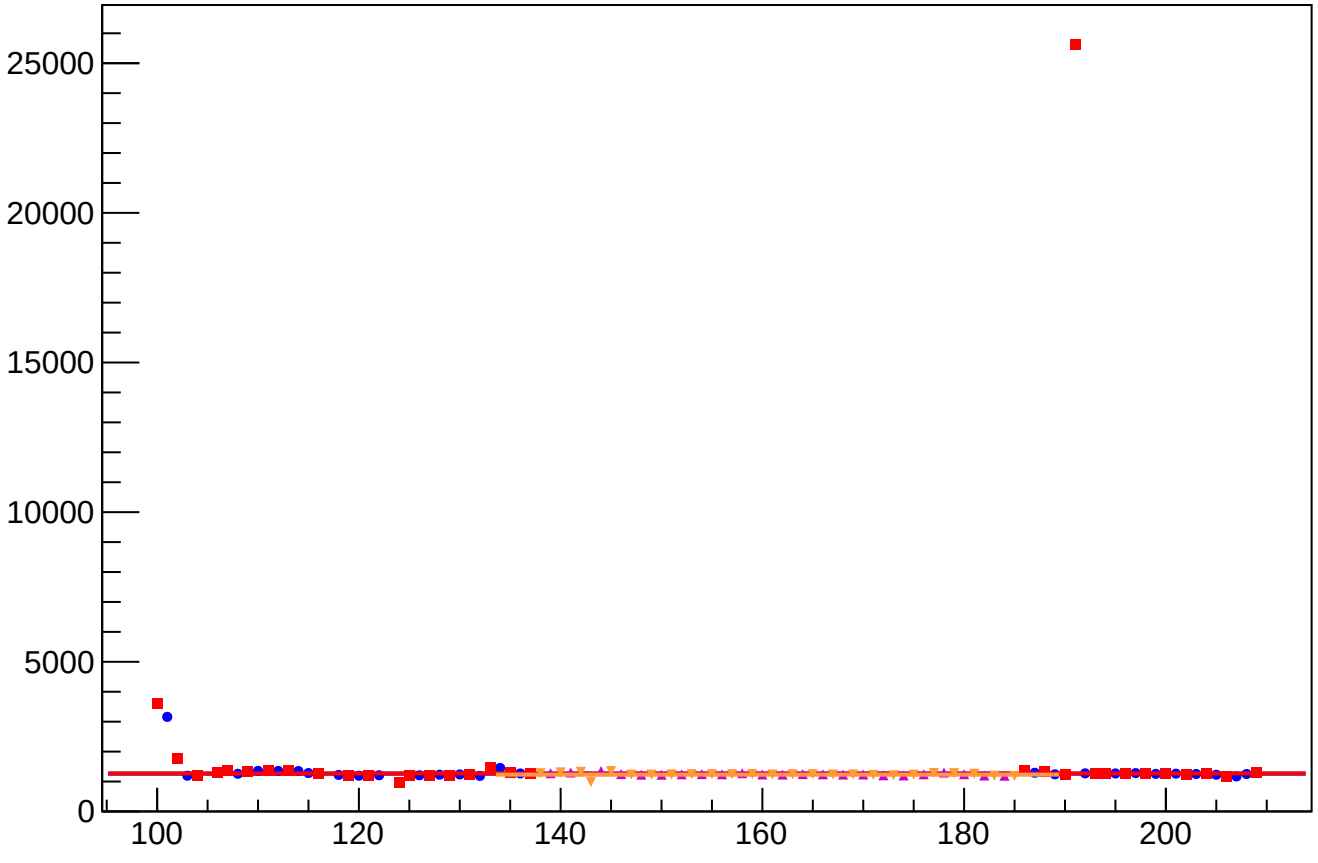
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.878+/-210.710 χ^2/NDF: 46.8/51

All: 190.529+/-149.636 χ^2/NDF: 91.8/106

- sign 375.344+/-212.537 χ^2/NDF: 43.5/54

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

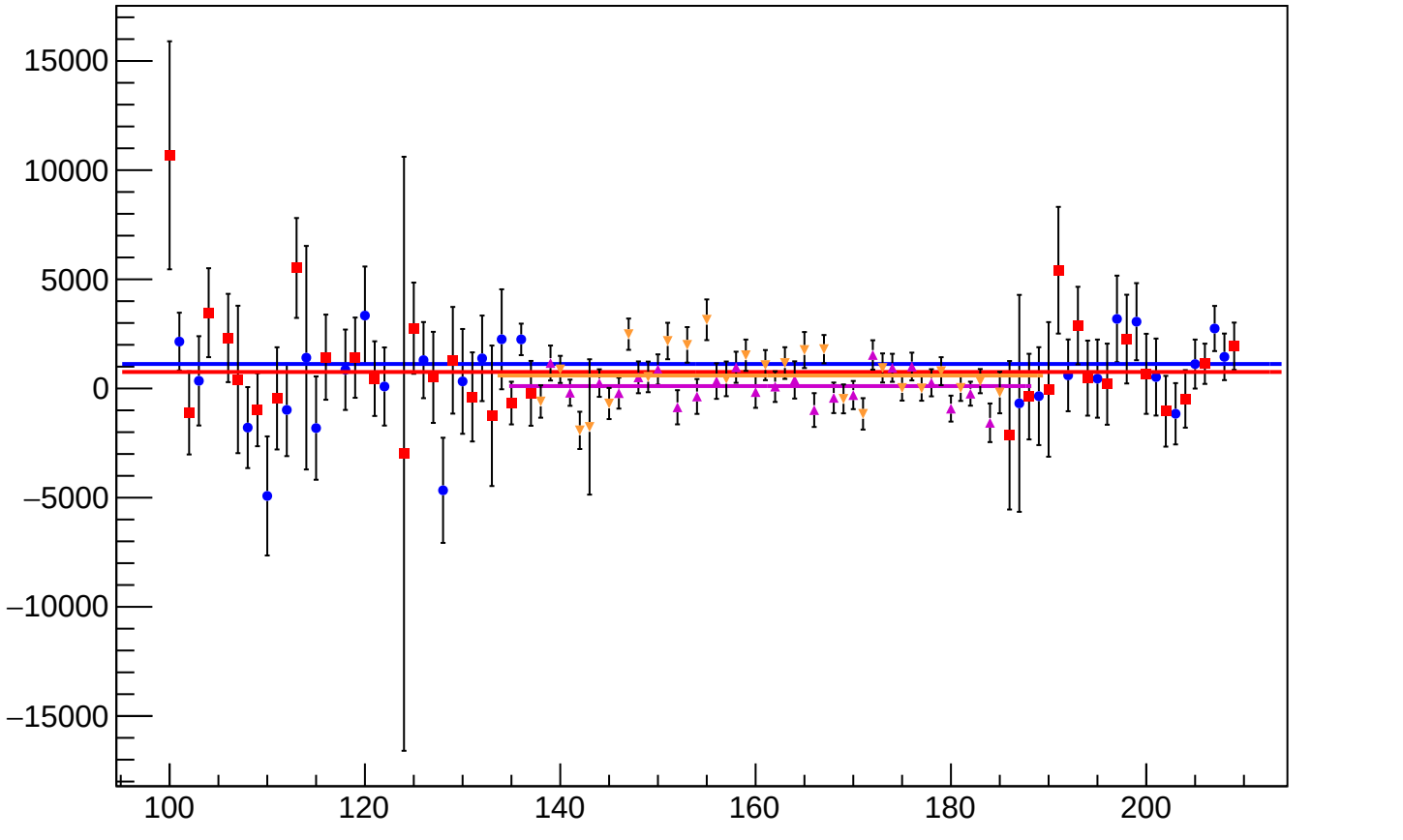
Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.5/31

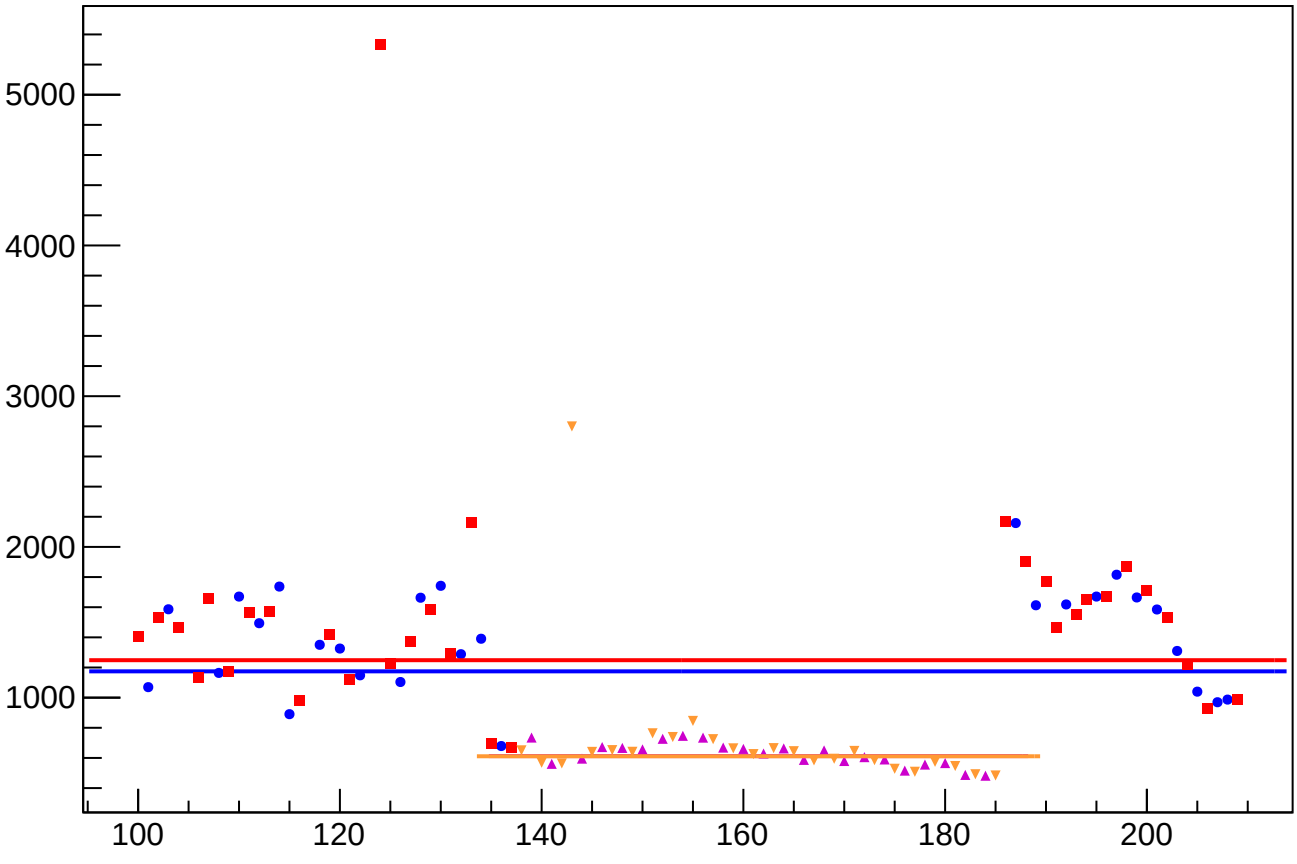
Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.9/51

All: 1251.084+/-0.106 χ^2/NDF: 1099561.8/10

- sign 1258.171+/-0.150 χ^2/NDF: 417808.5/54


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1122.509+/-309.127 χ²/NDF: 29.0/26
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: 755.952+/-315.740 χ²/NDF: 26.5/31
Left In: 110.252+/-144.232 χ²/NDF:25.7/22
+ sign 687.054+/-129.135 χ²/NDF: 88.7/51
All: 458.069+/-92.031 χ²/NDF: 150.8/106
- sign 221.730+/-131.192 χ²/NDF: 55.7/54



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

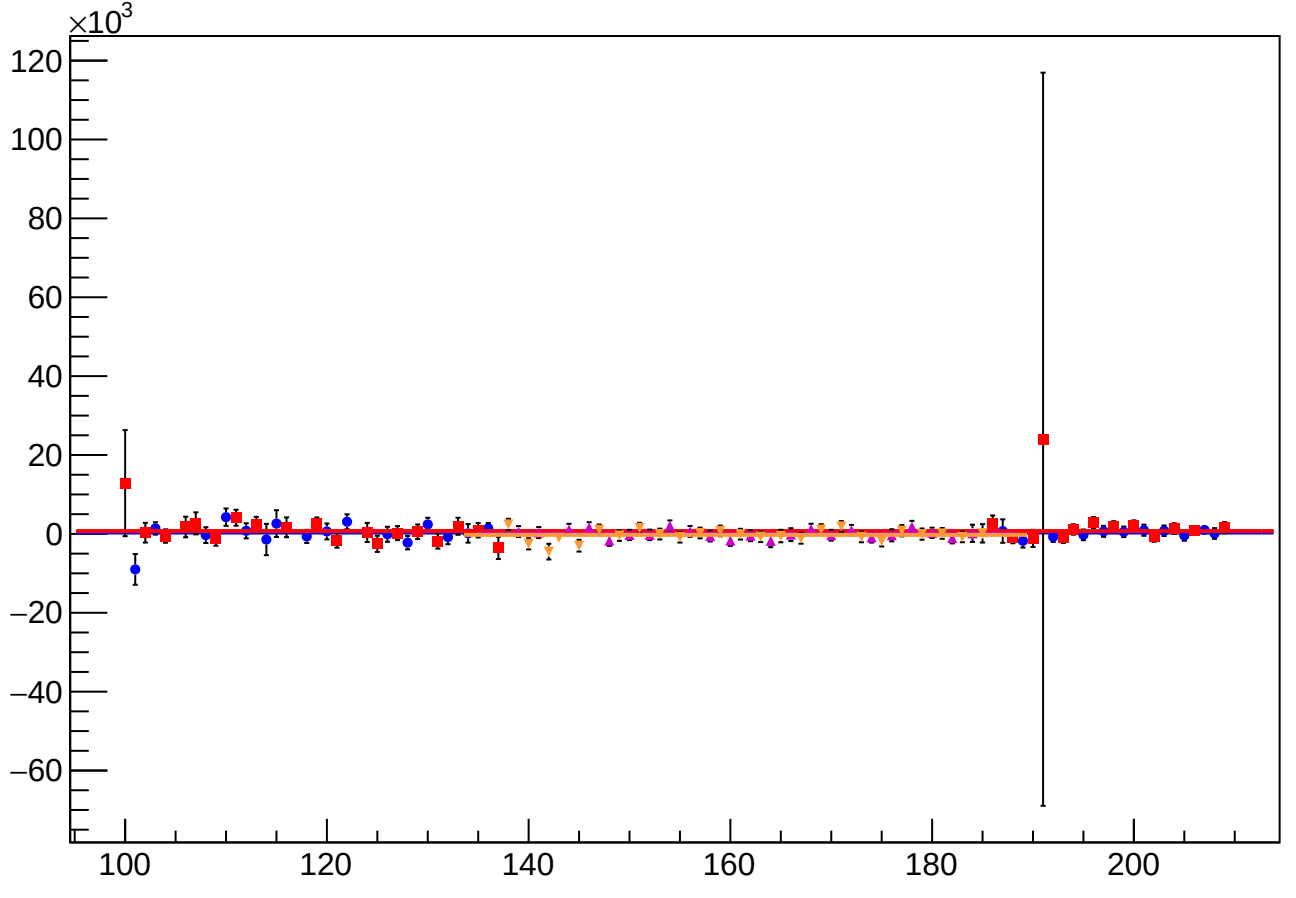
Right Out: 1248.462+/-0.223 χ^2/NDF: 3024179.3/31

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669688.5/51

All: 715.709+/-0.065 χ^2/NDF: 1992740.4/10

- sign 722.213+/-0.093 χ^2/NDF: 10248035.0/54



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 716.571+/-310.600 χ^2/NDF: 27.2/31

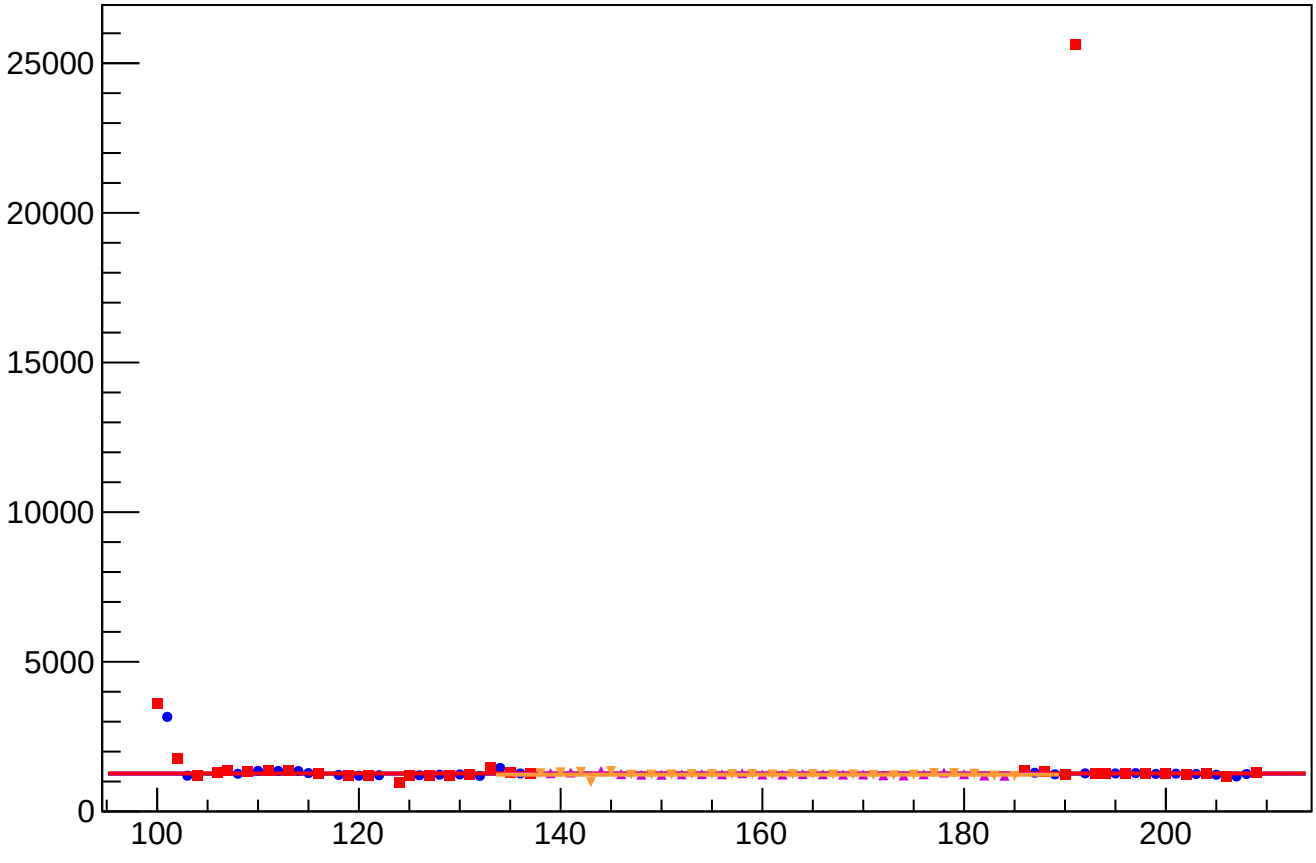
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 8.876+/-210.710 χ^2/NDF: 46.8/51

All: 190.528+/-149.636 χ^2/NDF: 91.8/106

- sign 375.344+/-212.537 χ^2/NDF: 43.5/54

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

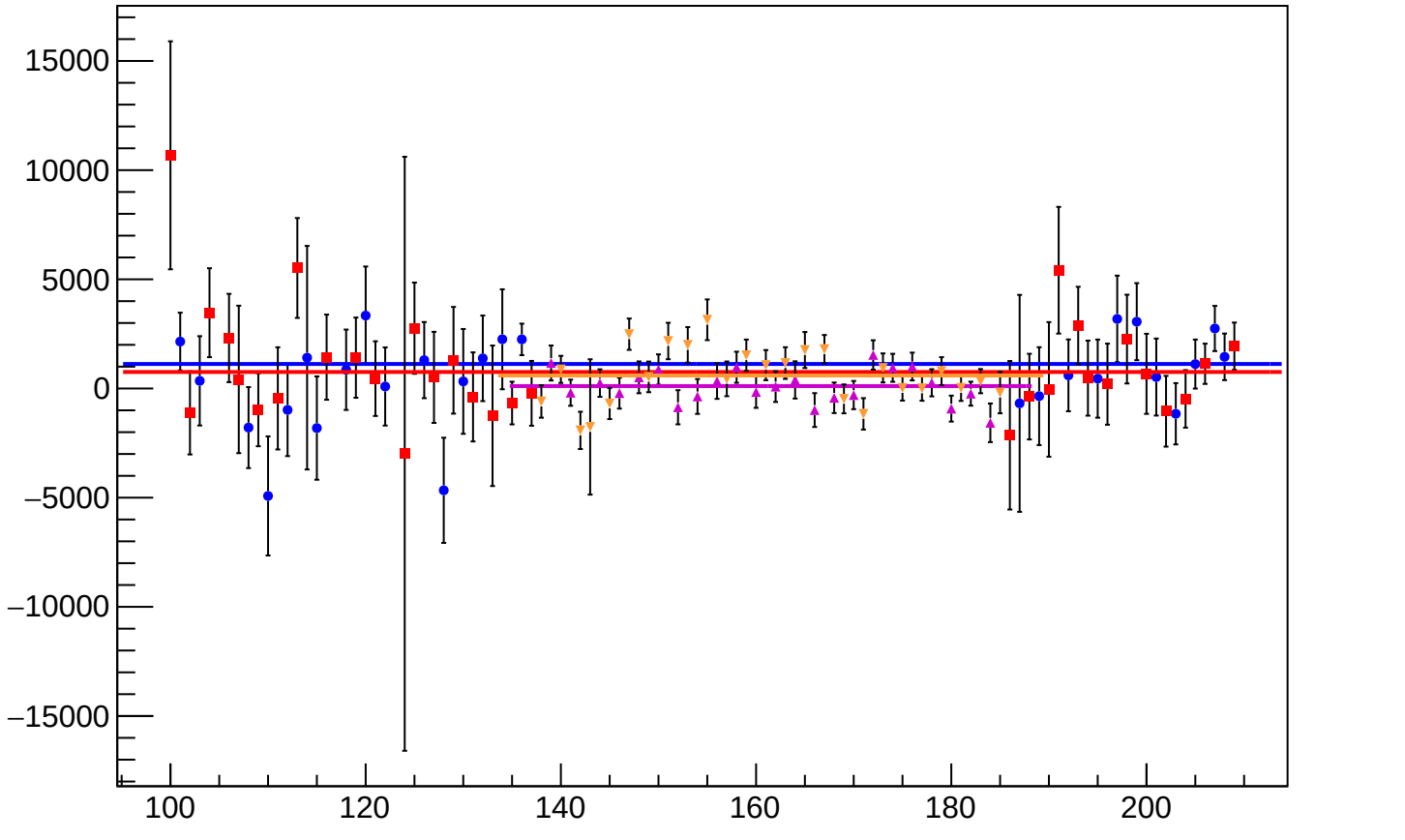
Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.3/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1244.118+/-0.149 χ^2/NDF: 677343.0/51

All: 1251.083+/-0.106 χ^2/NDF: 1099560.7/10

- sign 1258.170+/-0.150 χ^2/NDF: 417808.3/54



Right In: 1122.507+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

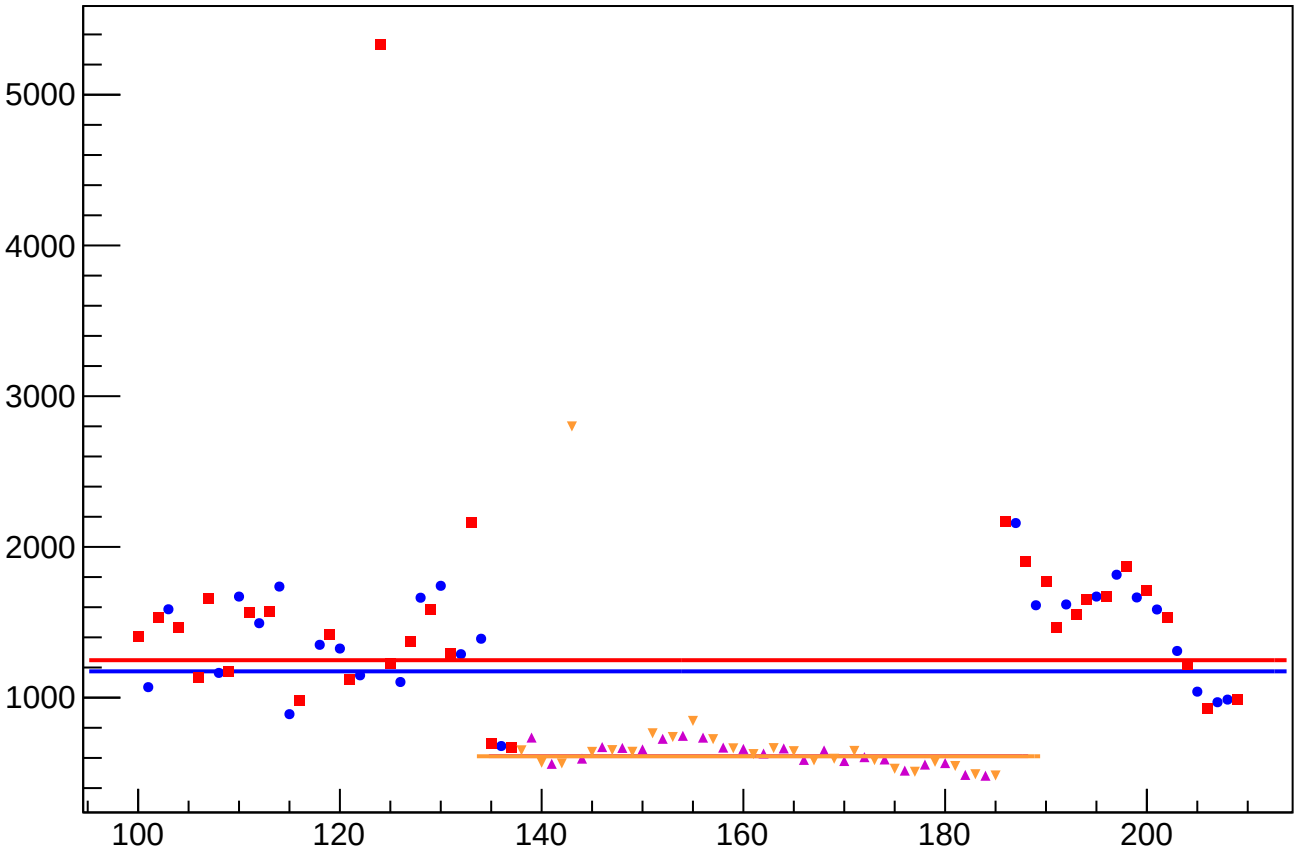
Right Out: 755.957+/-315.740 χ^2/NDF: 26.5/31

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 687.054+/-129.135 χ^2/NDF: 88.7/51

All: 458.069+/-92.031 χ^2/NDF: 150.8/106

- sign 221.730+/-131.192 χ^2/NDF: 55.7/54



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.465+/-0.223 χ^2/NDF: 3024123.3/31

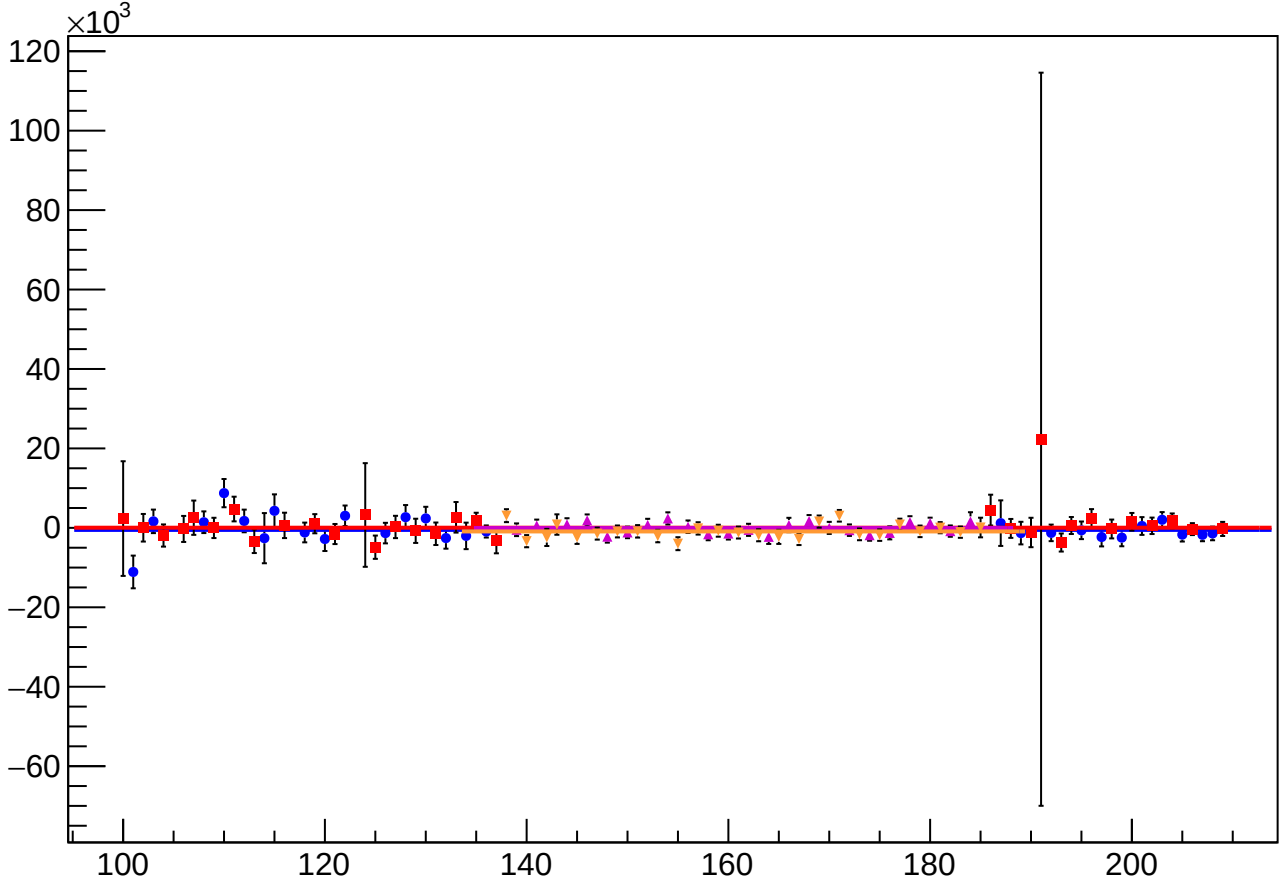
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 709.408+/-0.091 χ^2/NDF: 9669662.7/51

All: 715.709+/-0.065 χ^2/NDF: 1992738[illegible]

- sign 722.212+/-0.093 χ^2/NDF: 10248046.3/54

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 37.371+/-465.486 χ^2/NDF: 17.3/31

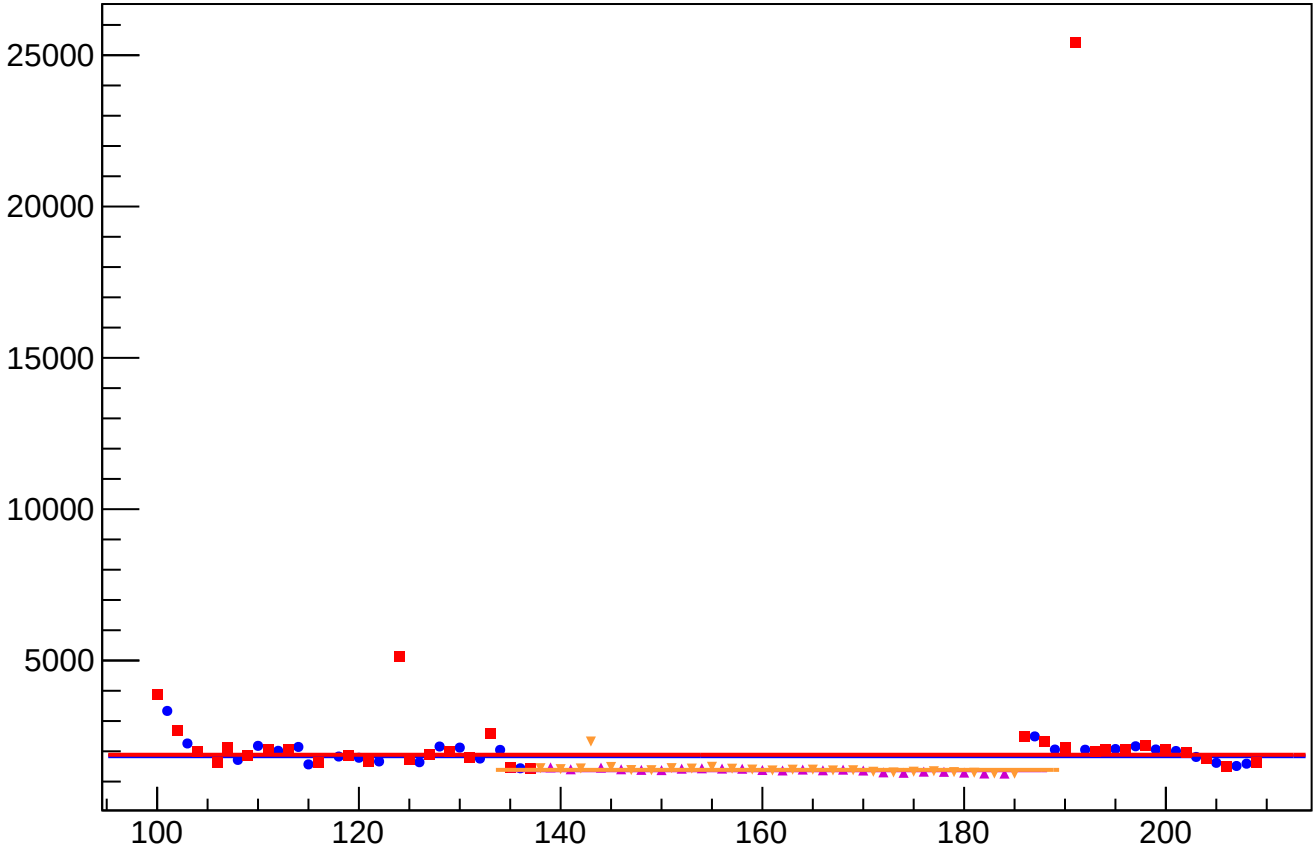
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -779.622+/-262.339 χ^2/NDF: 57.3/51

All: -402.828+/-186.162 χ^2/NDF: 96.6/106

- sign -20.615+/-264.218 χ^2/NDF: 35.2/54

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

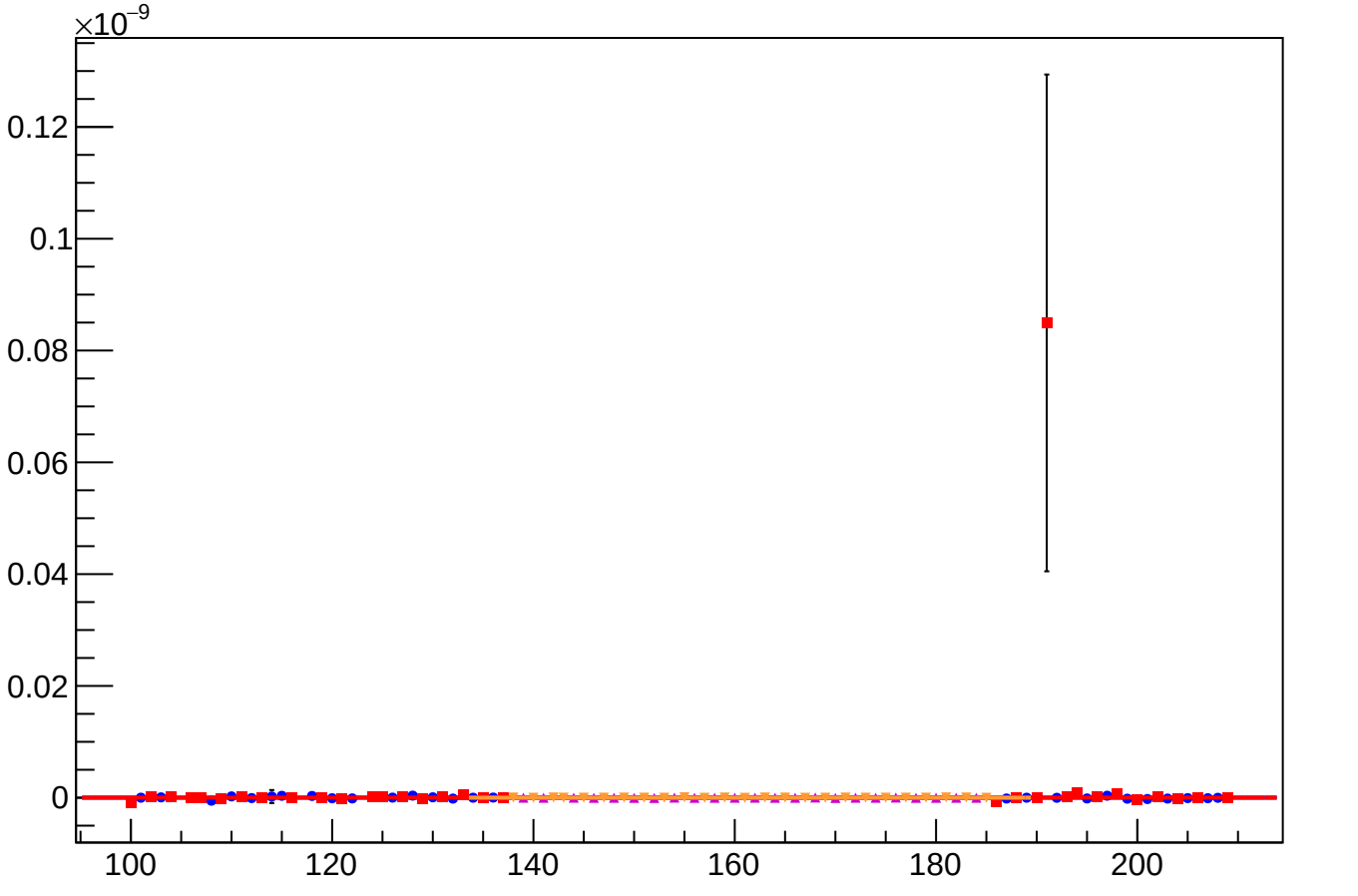
Right Out: 1886.370+/-0.329 χ^2/NDF: 1038495.5/31

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1527.990+/-0.186 χ^2/NDF: 2475277.4/51

All: 1533.232+/-0.132 χ^2/NDF: 5227334.6/10

- sign 1538.550+/-0.187 χ^2/NDF: 2750448.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

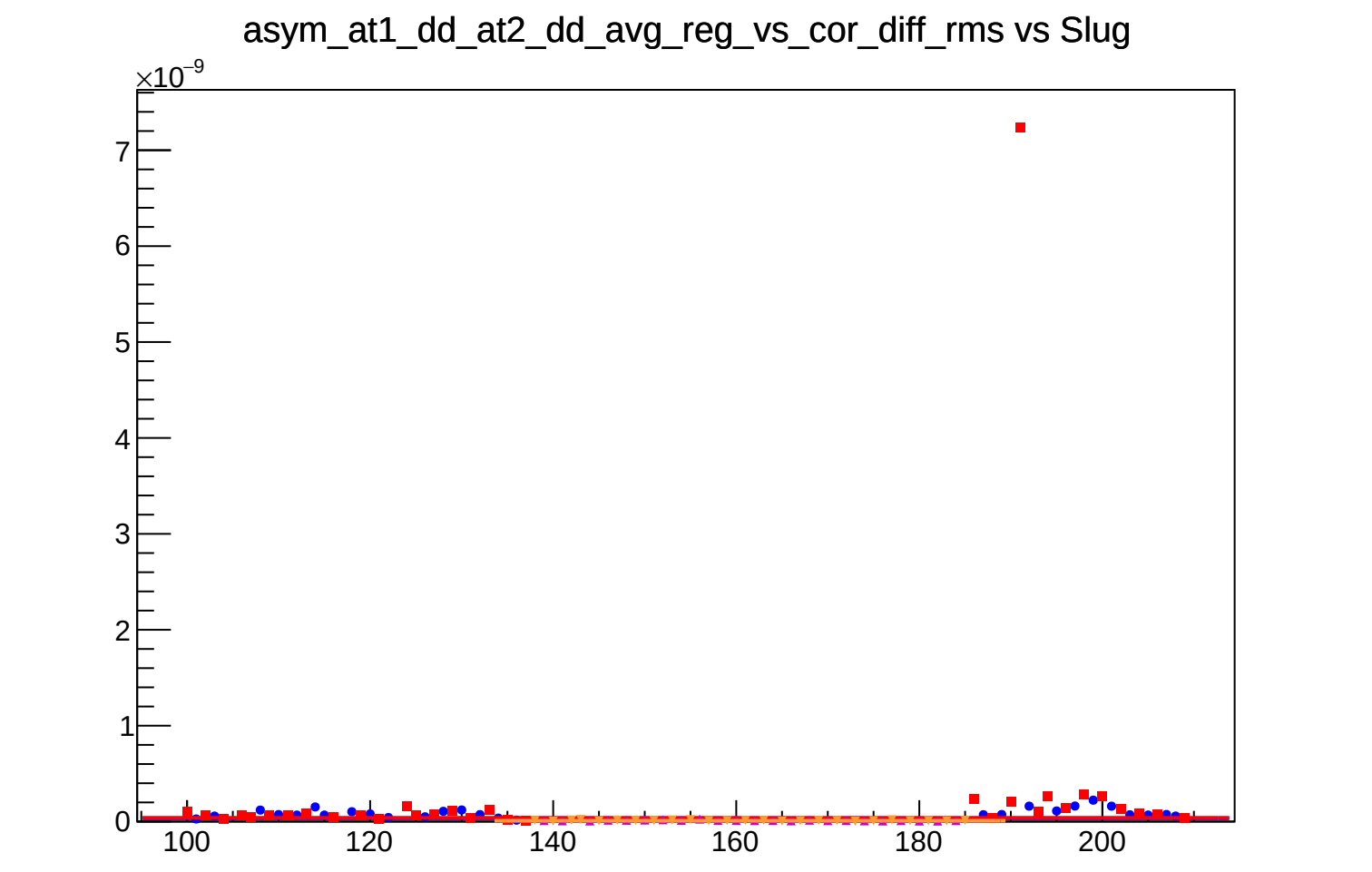
Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/31

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.9/51

All: 0.000+/-0.000 χ^2/NDF: 109.4/106

- sign -0.000+/-0.000 χ^2/NDF: 60.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

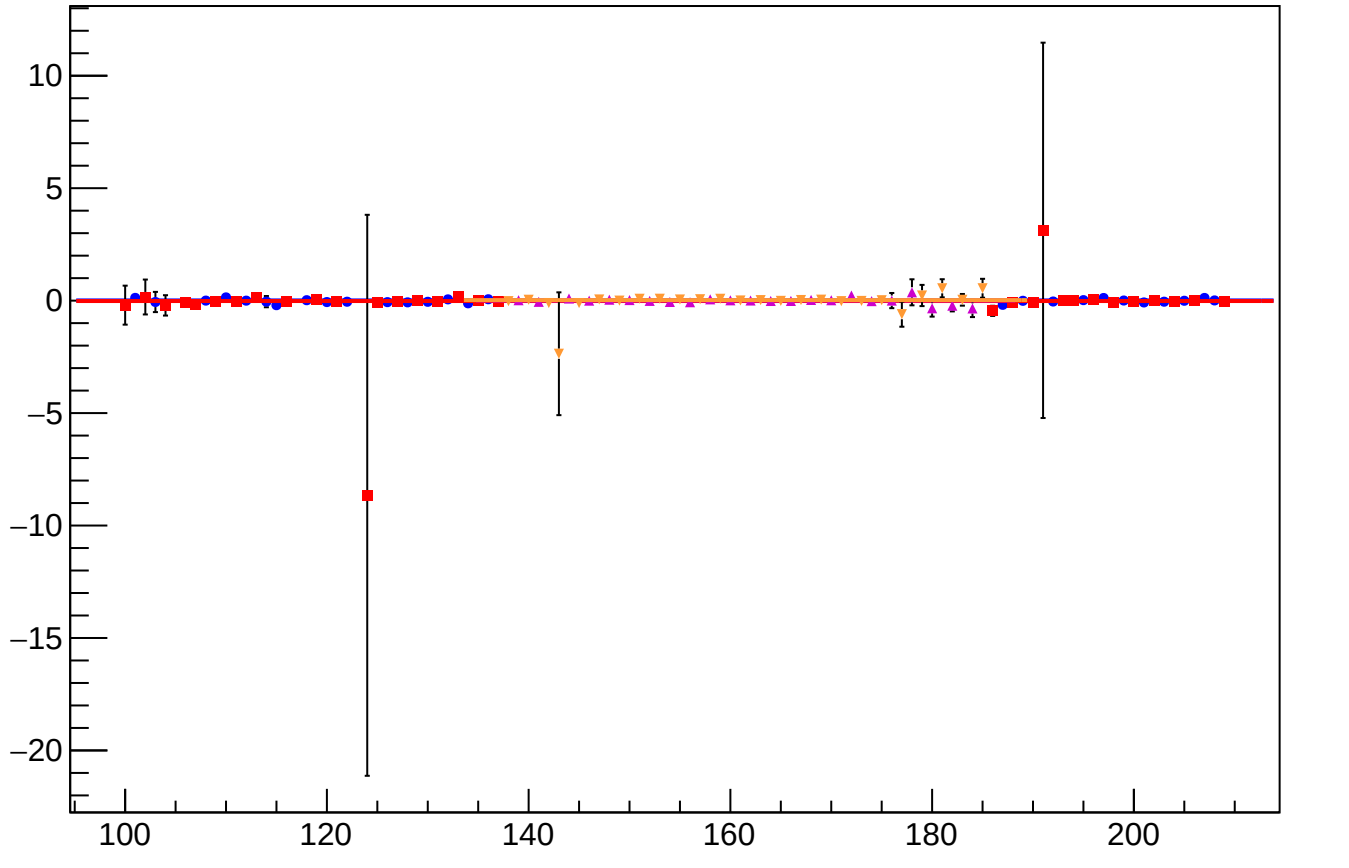
Right Out: 0.000+/-0.000 χ^2/NDF: 6427117.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

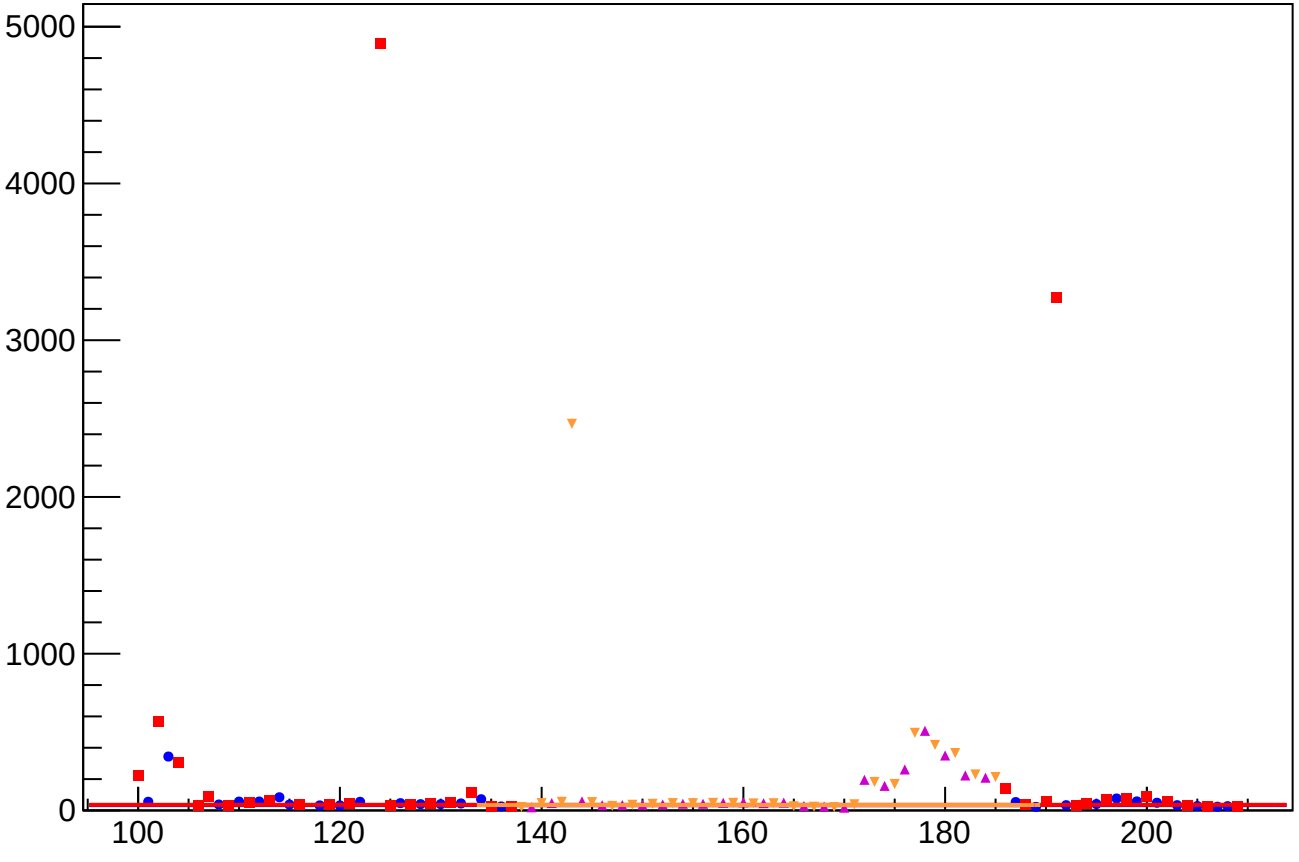
+ sign 0.000+/-0.000 χ^2/NDF: 12239215.0/51

All: 0.000+/-0.000 χ^2/NDF: 24354555.5/106

- sign 0.000+/-0.000 χ^2/NDF: 11828175.4/54


asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 0.009+/-0.010 χ²/NDF: 42.1/26
Left Out: 0.023+/-0.010 χ²/NDF:22.8/24
Right Out: -0.018+/-0.011 χ²/NDF: 22.5/31
Left In: 0.010+/-0.010 χ²/NDF:14.8/22
+ sign 0.016+/-0.007 χ²/NDF: 66.0/51
All: 0.006+/-0.005 χ²/NDF: 110.4/106
- sign -0.003+/-0.007 χ²/NDF: 40.9/54

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

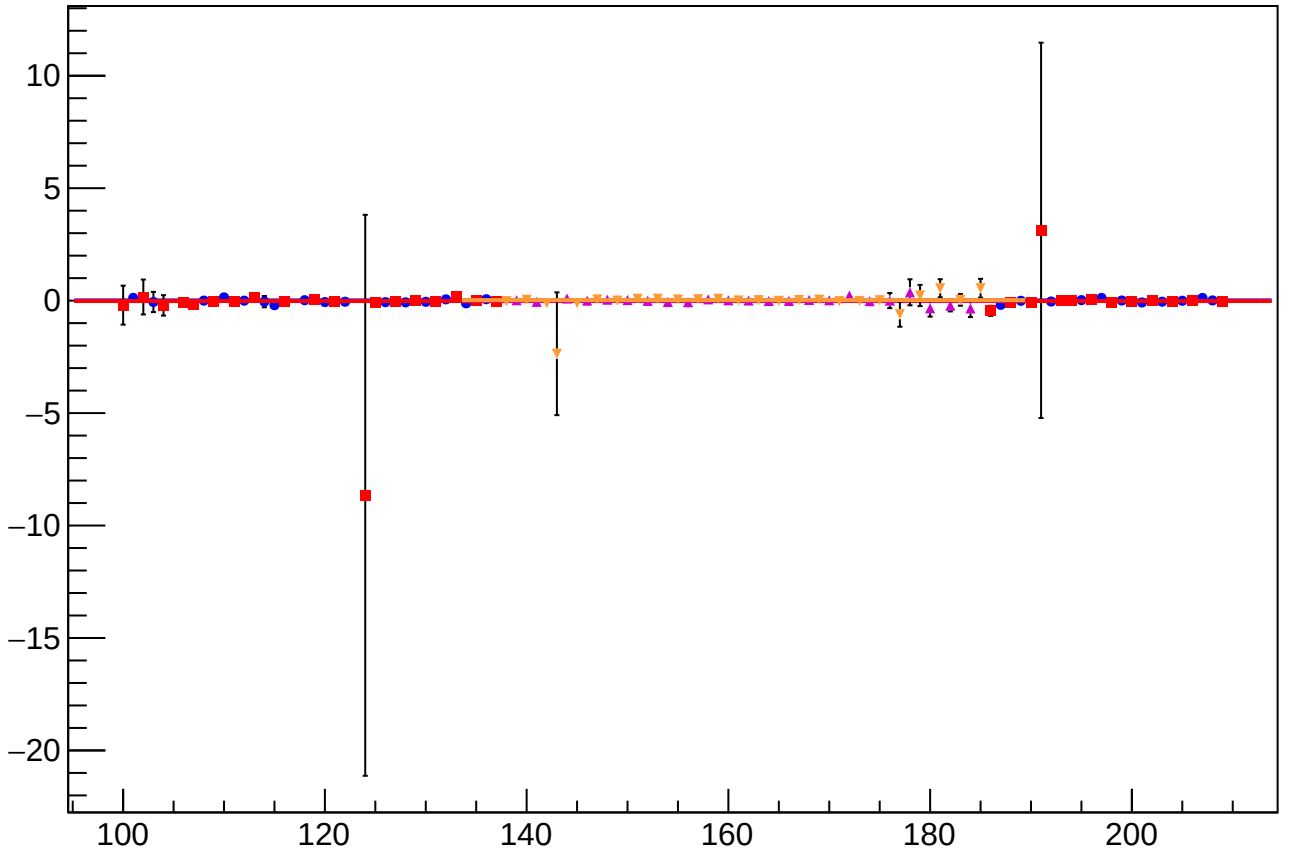
Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106

- sign 34.715+/-0.005 χ^2/NDF: 16458089.6/54



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

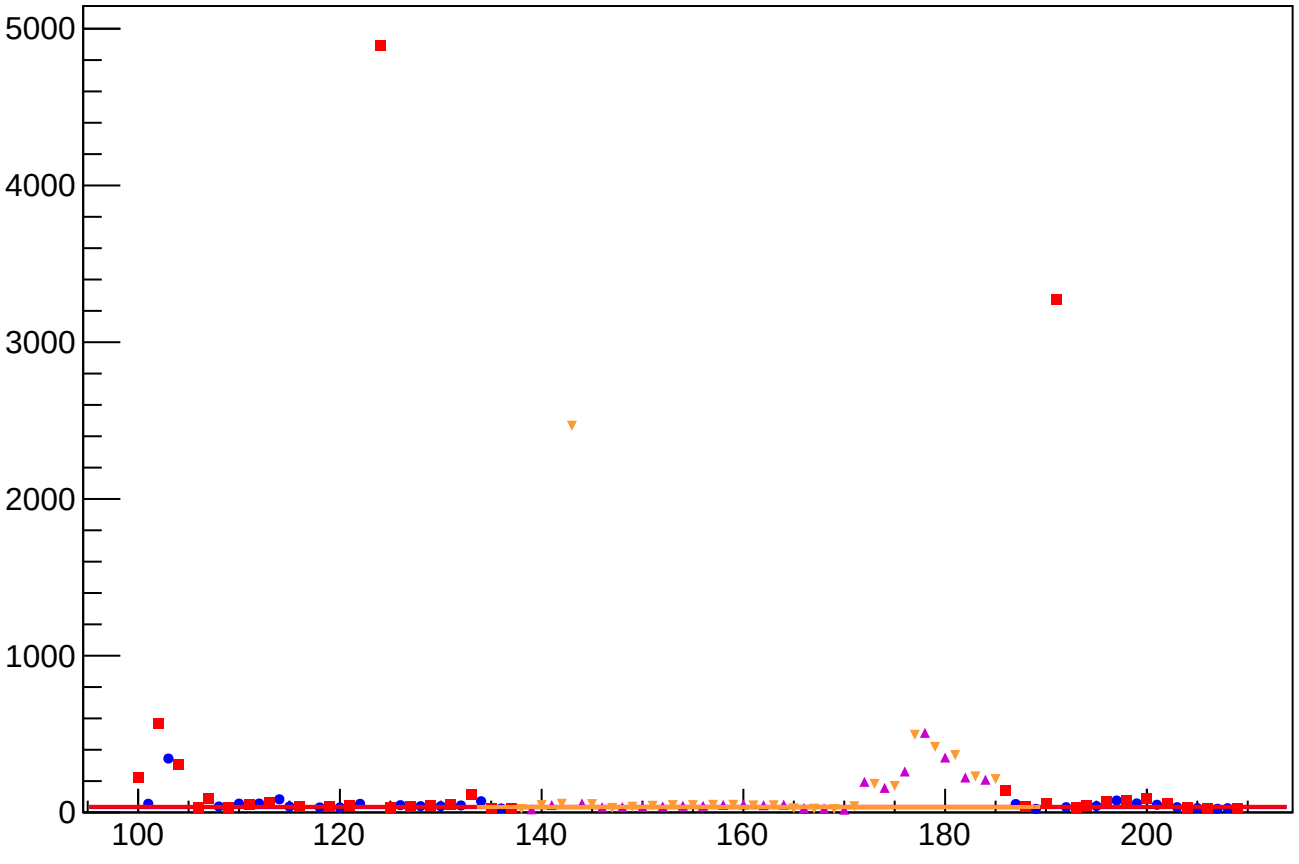
Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

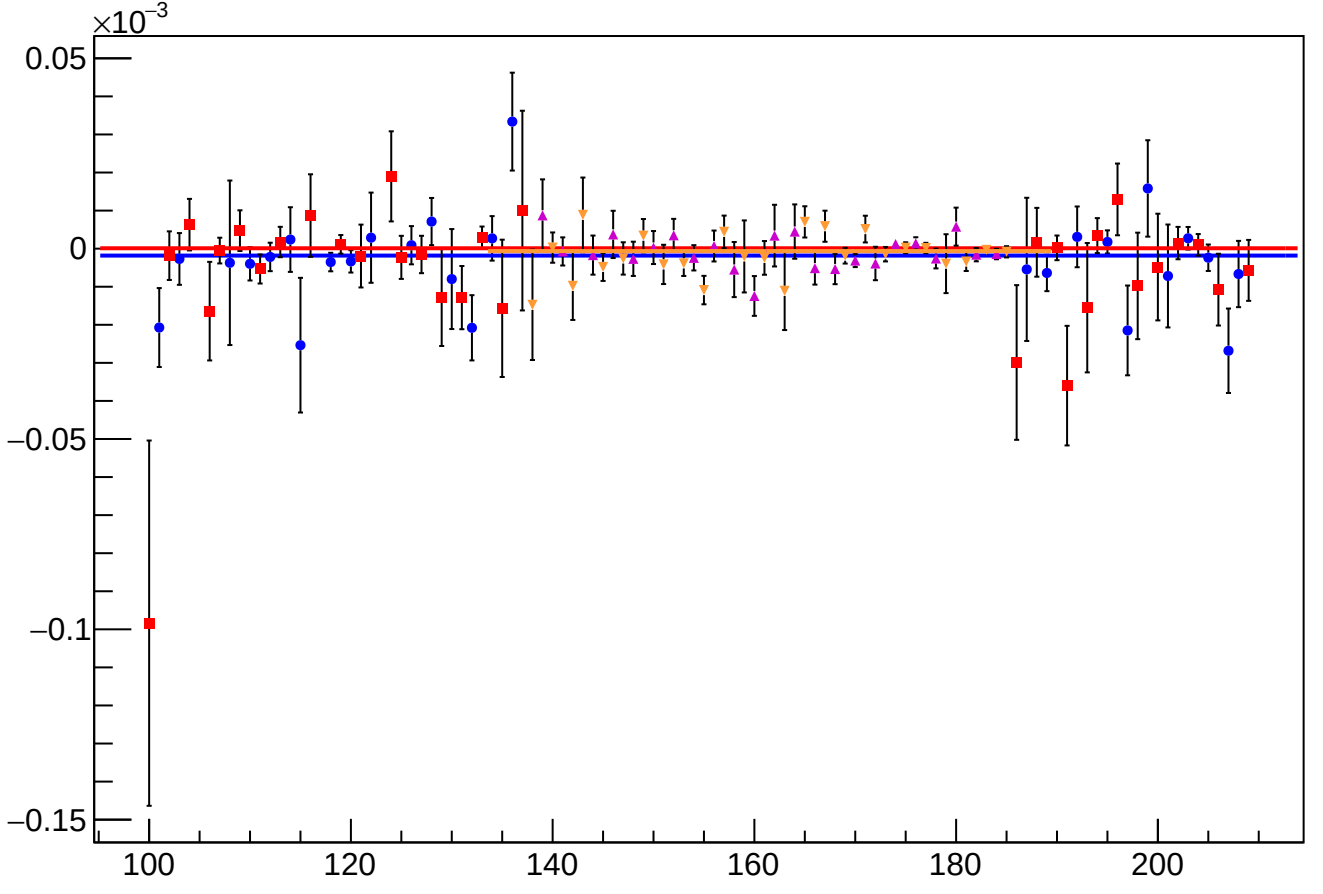
Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 34.436+/-0.005 χ^2/NDF: 14964426.0/51

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106

- sign 34.715+/-0.005 χ^2/NDF: 16458089.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

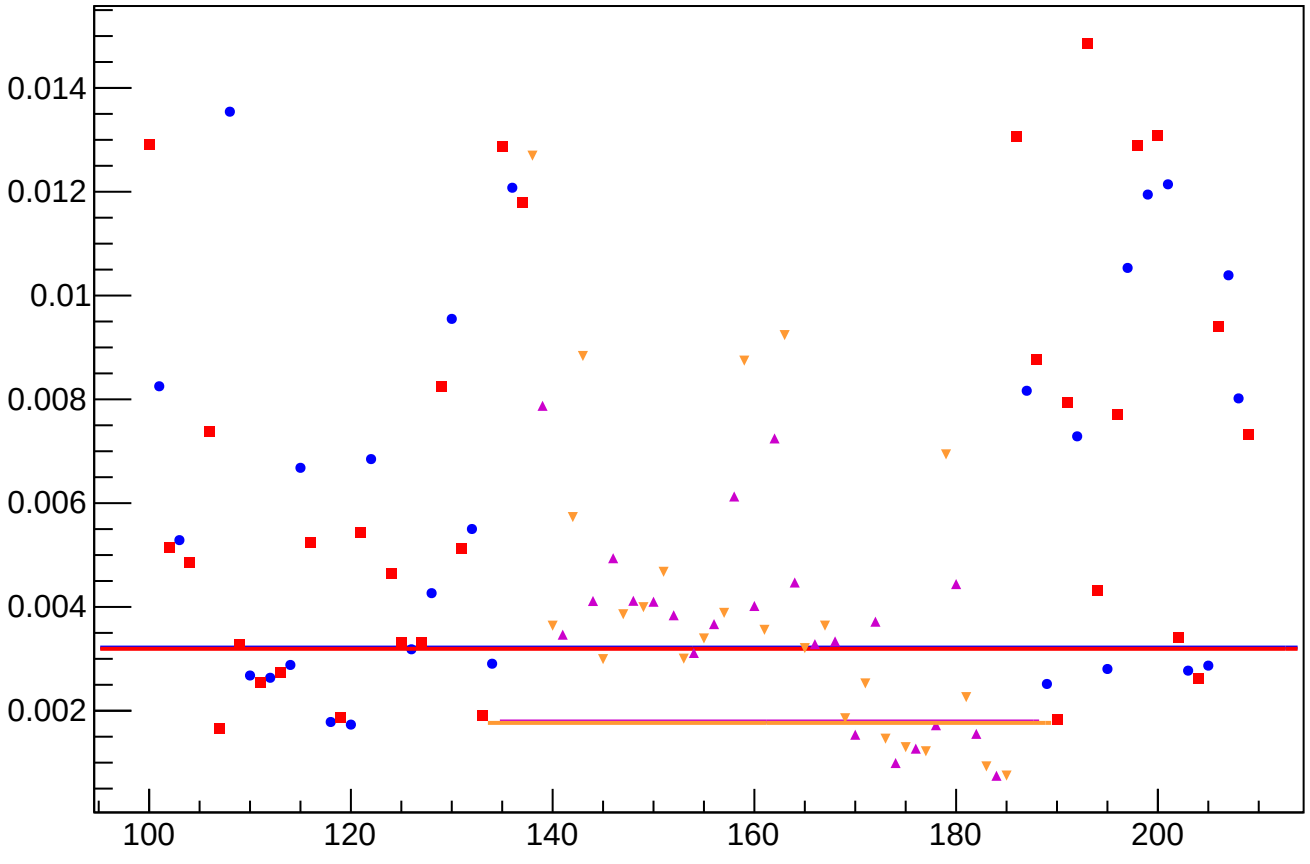
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/31

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/51

All: -0.000+/-0.000 χ^2/NDF: 122.1/106

- sign -0.000+/-0.000 χ^2/NDF: 54.7/54



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

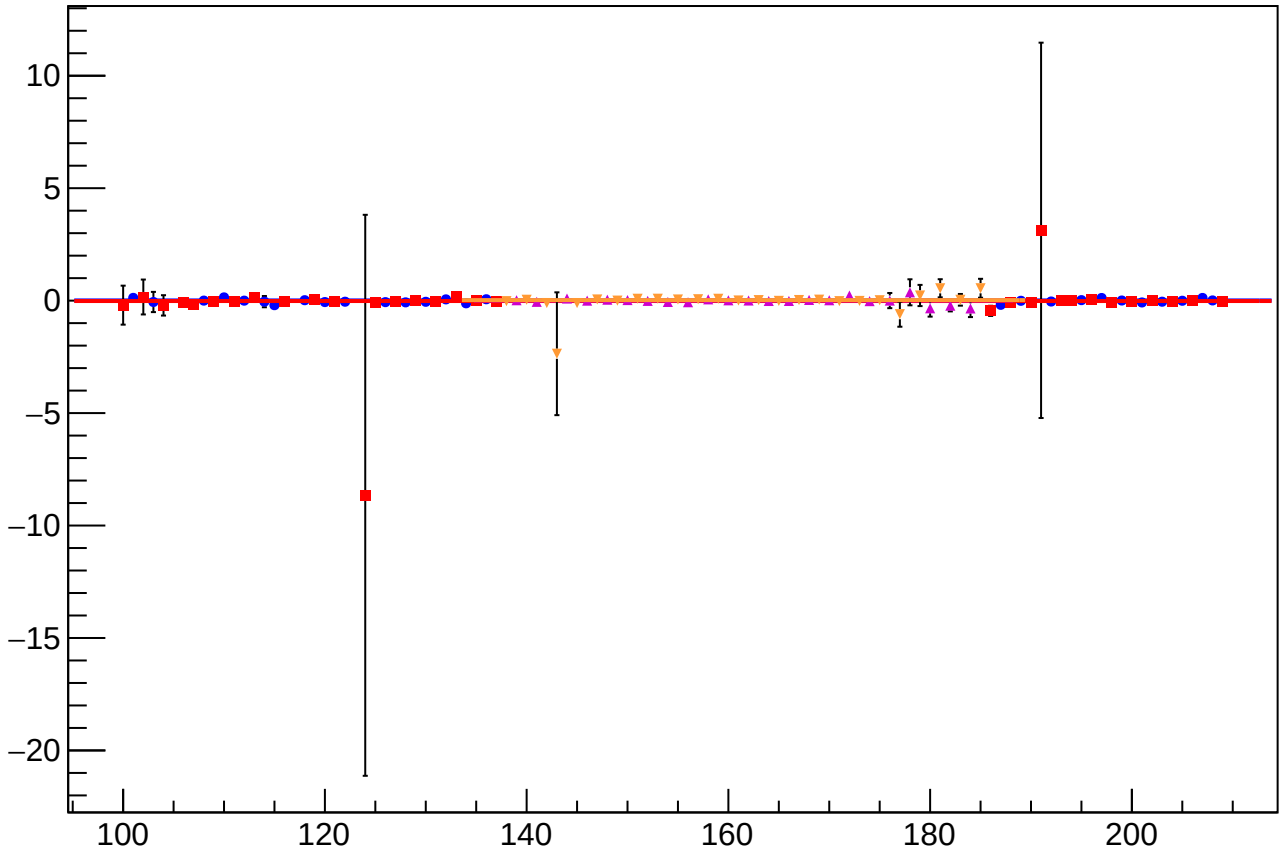
Right Out: 0.003+/-0.000 χ^2/NDF: 10298042.8/31

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 25371712.7/51

All: 0.002+/-0.000 χ^2/NDF: 49757107.3/106

- sign 0.002+/-0.000 χ^2/NDF: 24358555.0/54



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

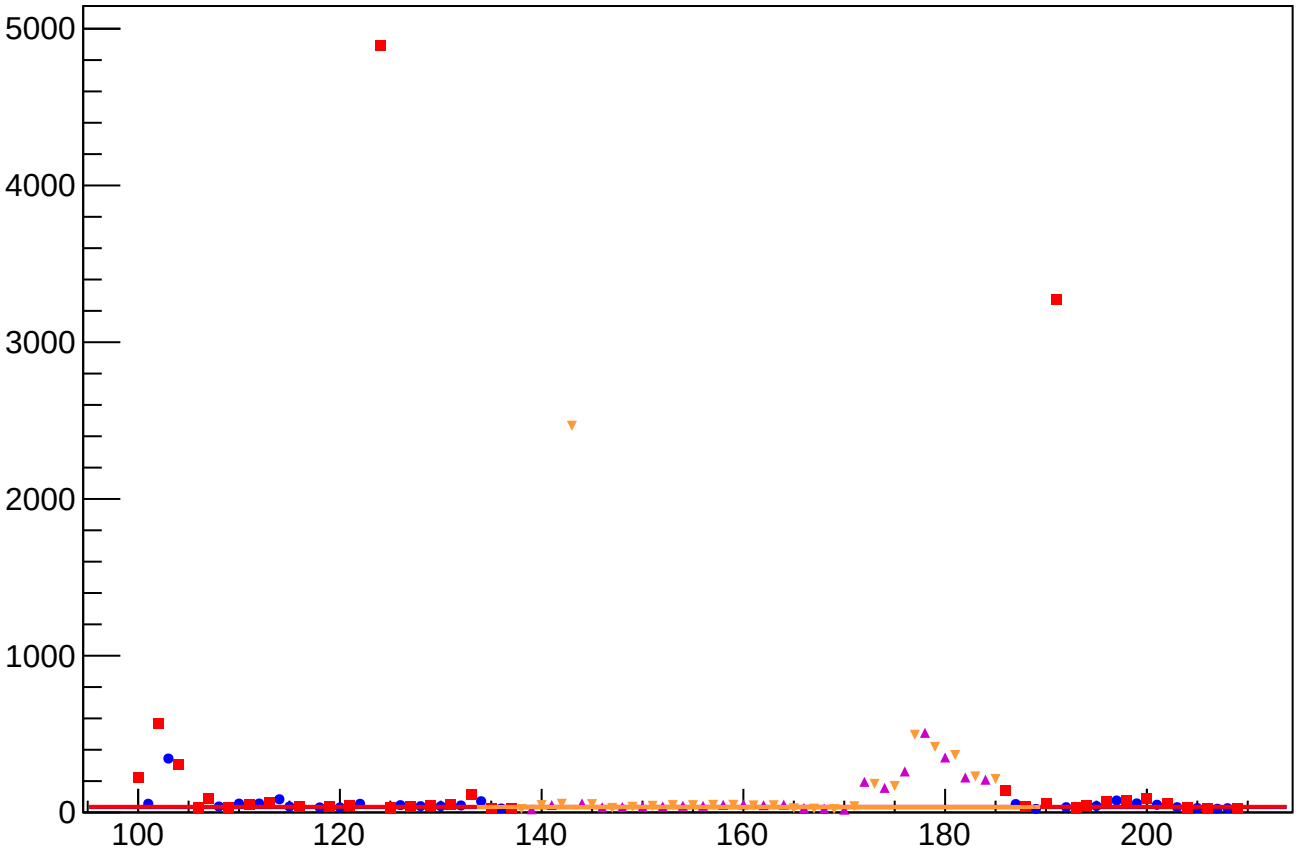
Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

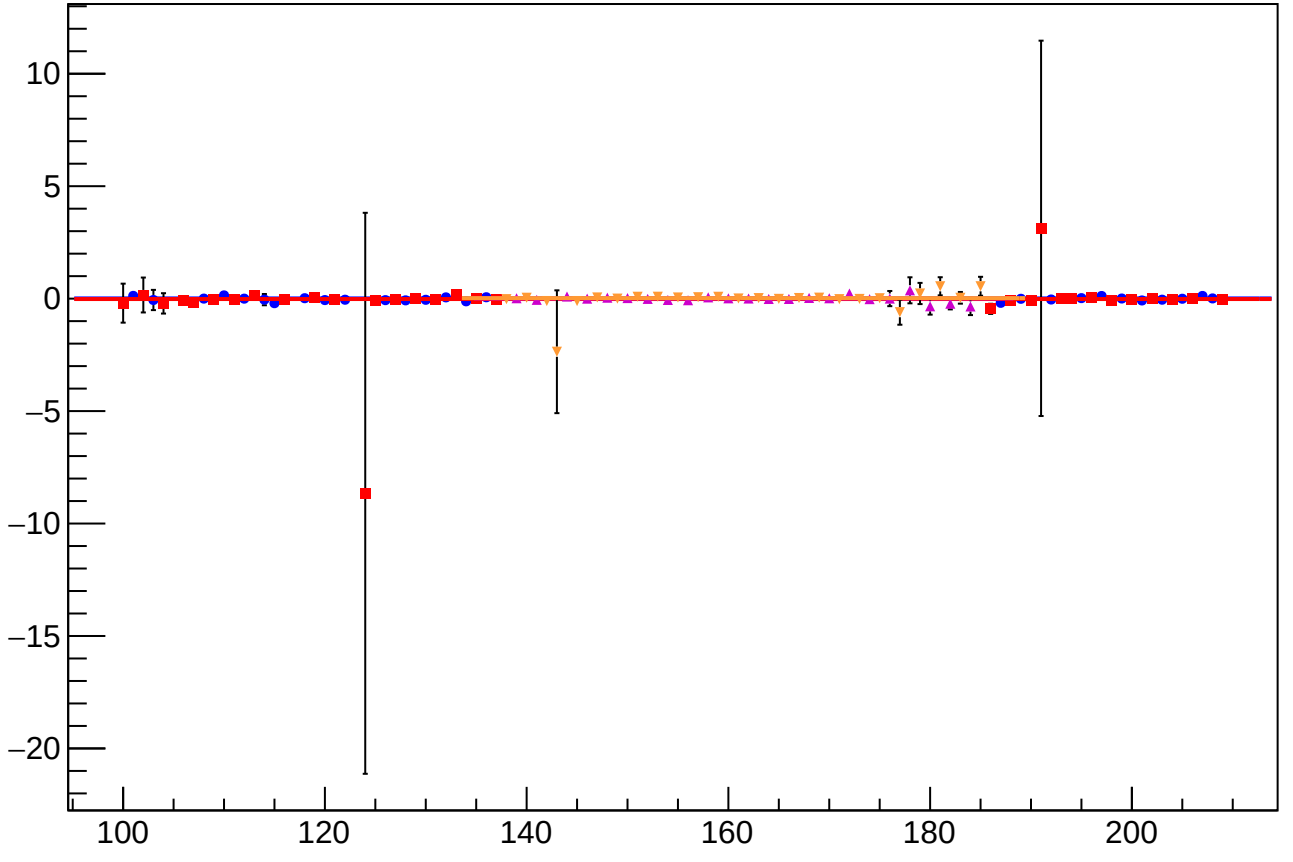
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106

- sign 34.716+/-0.005 χ^2/NDF: 16456685.1/54

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

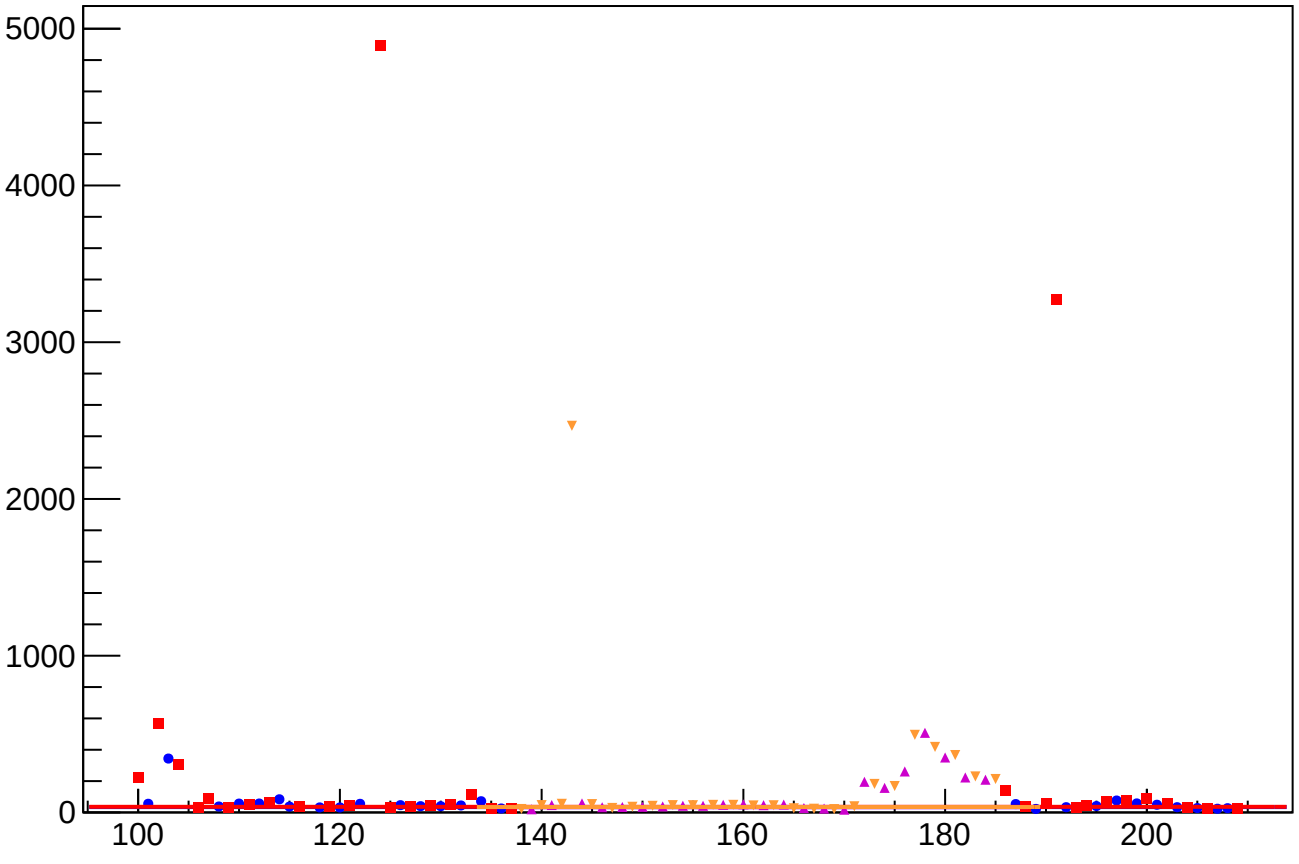
Right Out: -0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 66.0/51

All: 0.006+/-0.005 χ^2/NDF: 110.4/106

- sign -0.003+/-0.007 χ^2/NDF: 40.9/54



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

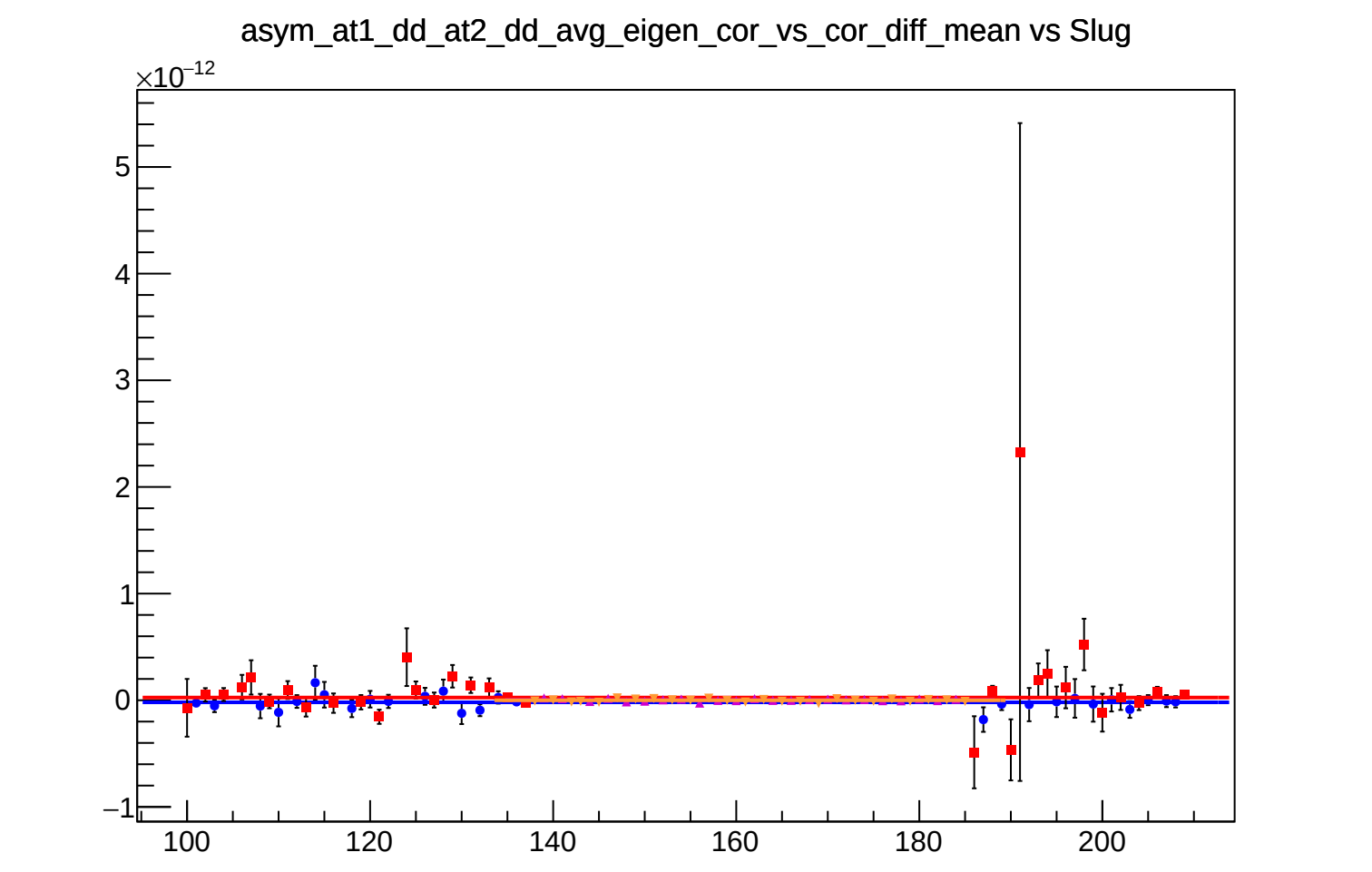
Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

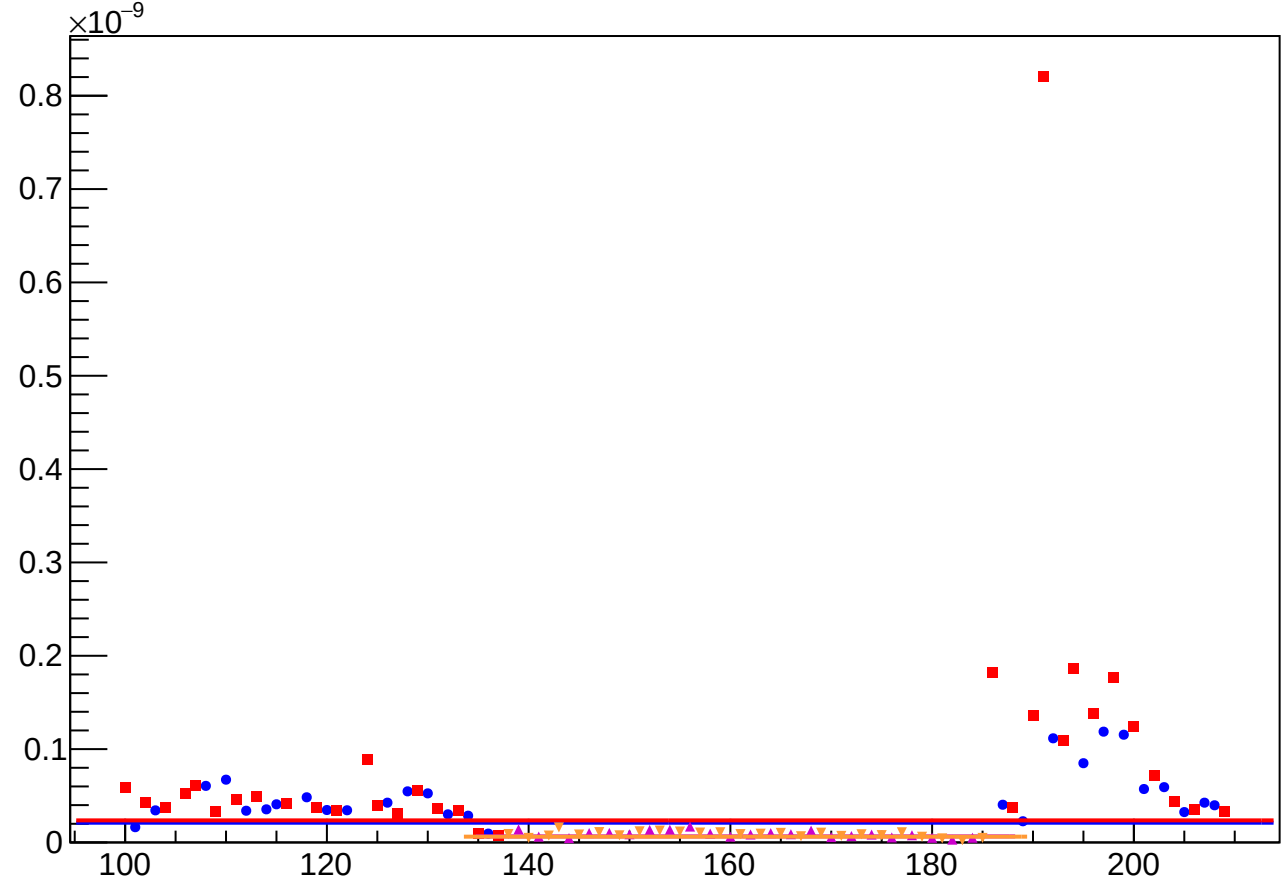
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 34.437+/-0.005 χ^2/NDF: 14963094.2/51

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106

- sign 34.716+/-0.005 χ^2/NDF: 16456685.1/54


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: 11.5/26
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.7/31
Left In: 0.000+/-0.000 χ²/NDF:20.0/22
+ sign -0.000+/-0.000 χ²/NDF: 41.8/51
All: 0.000+/-0.000 χ²/NDF: 114.0/106
- sign 0.000+/-0.000 χ²/NDF: 70.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9706153.7/31

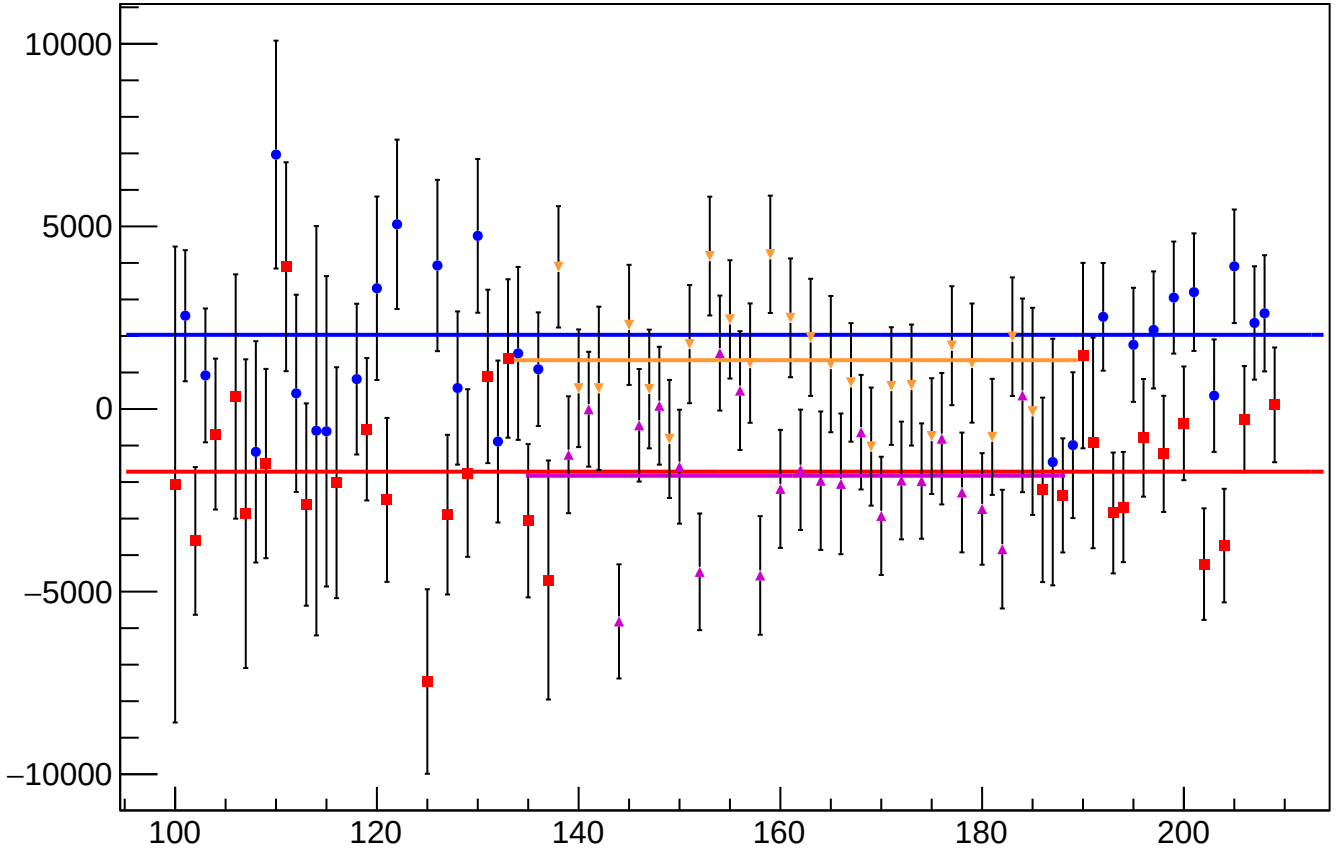
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17504179.0/51

All: 0.000+/-0.000 χ^2/NDF: 36941398.2/106

- sign 0.000+/-0.000 χ^2/NDF: 19410451.7/54

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.699+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1715.461+/-366.684 χ^2/NDF: 26.6/30

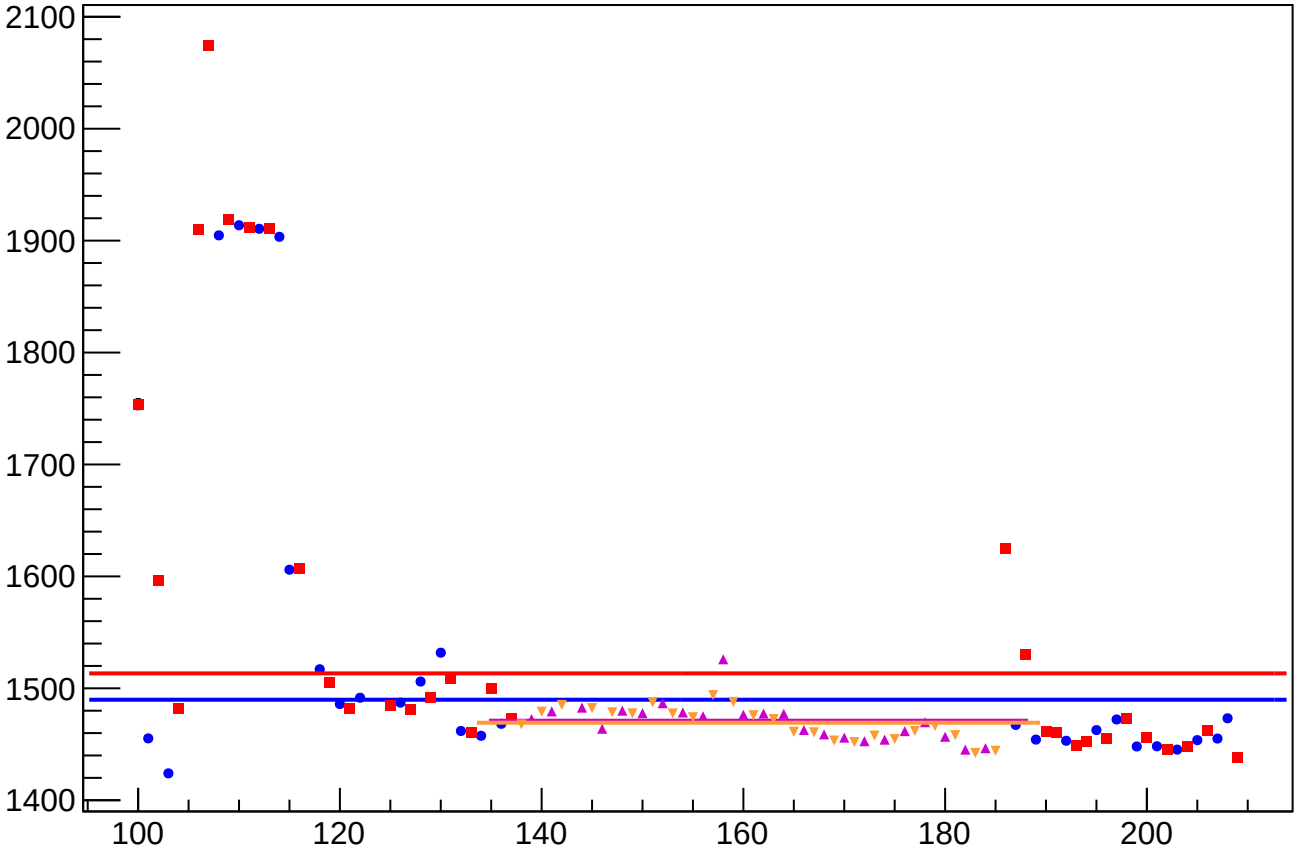
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1651.386+/-252.316 χ^2/NDF: 40.6/50

All: -72.778+/-177.833 χ^2/NDF: 186.6/104

- sign -1774.657+/-250.680 χ^2/NDF: 53.1/53

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

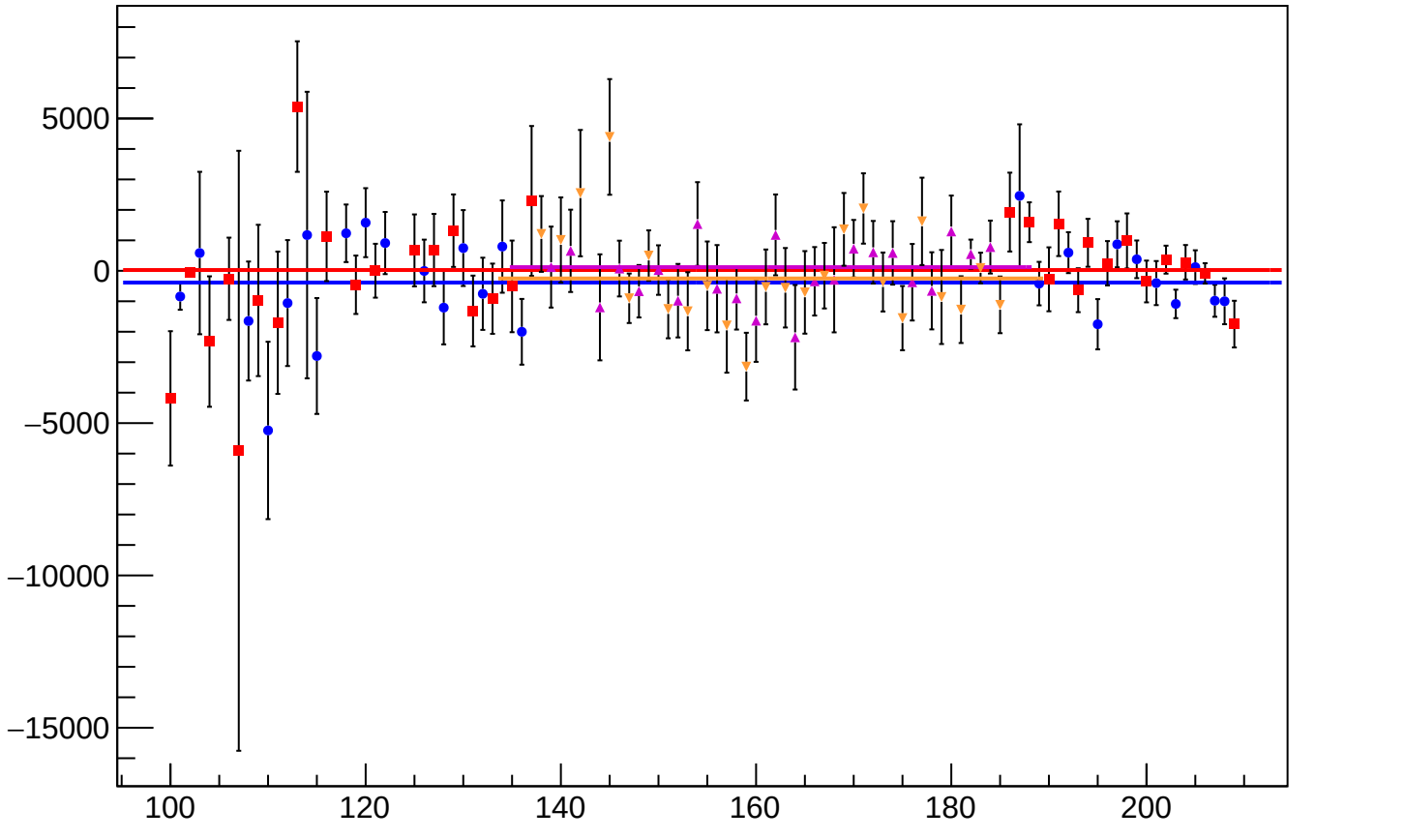
Right Out: 1513.333+/-0.259 χ^2/NDF: 236741.7/30

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF: 157110.7/50

All: 1484.728+/-0.126 χ^2/NDF: 415029.5/104

- sign 1490.814+/-0.177 χ^2/NDF: 255546.1/53



Right In: -385.272+/-160.464 χ^2/NDF: 33.9/26

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 25.548+/-103.495 χ^2/NDF: 38.2/30

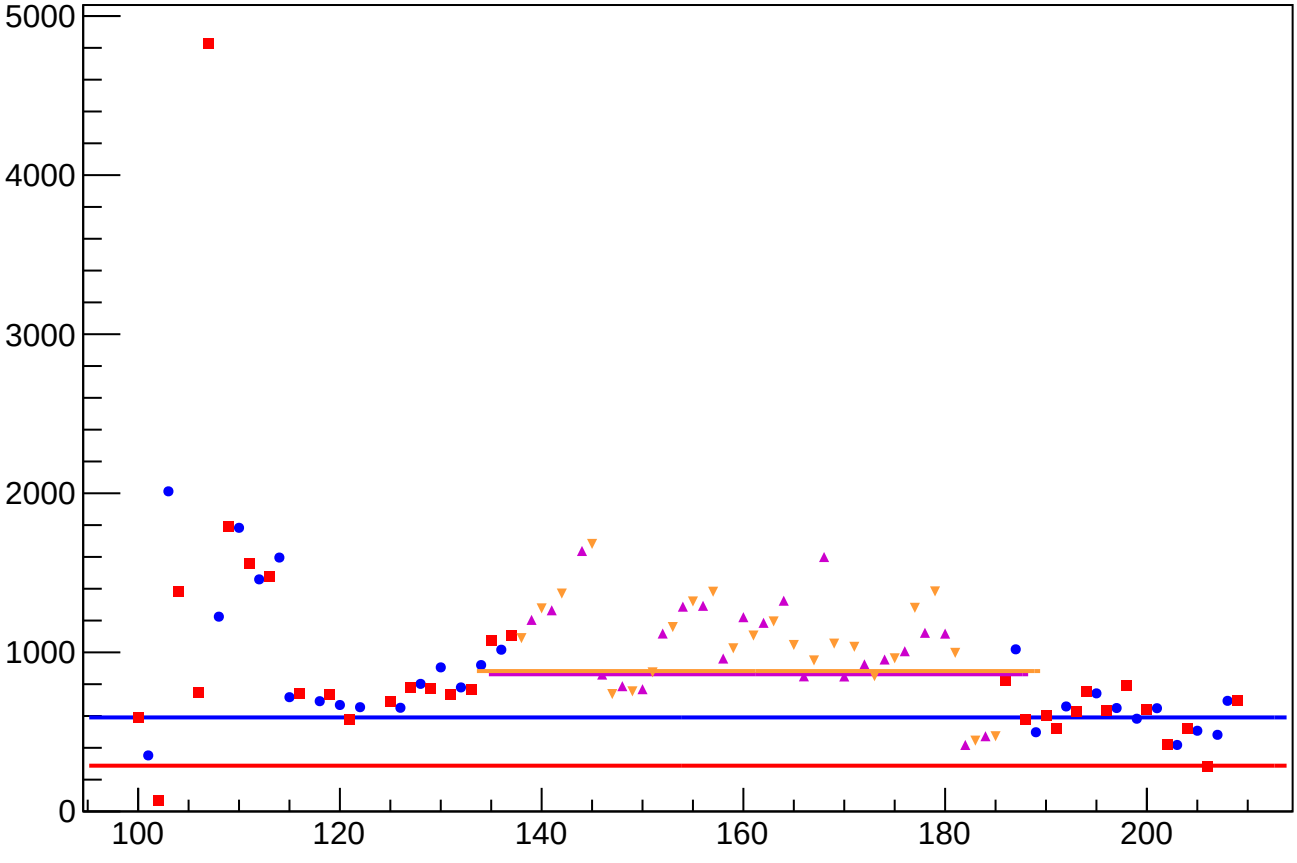
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -338.405+/-129.307 χ^2/NDF: 66.8/50

All: -87.545+/-75.678 χ^2/NDF: 123.7/104

- sign 43.149+/-93.332 χ^2/NDF: 51.2/53

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 591.077+/-0.113 χ^2/NDF: 3520720.9/26

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 287.720+/-0.073 χ^2/NDF: 16177547.3/30

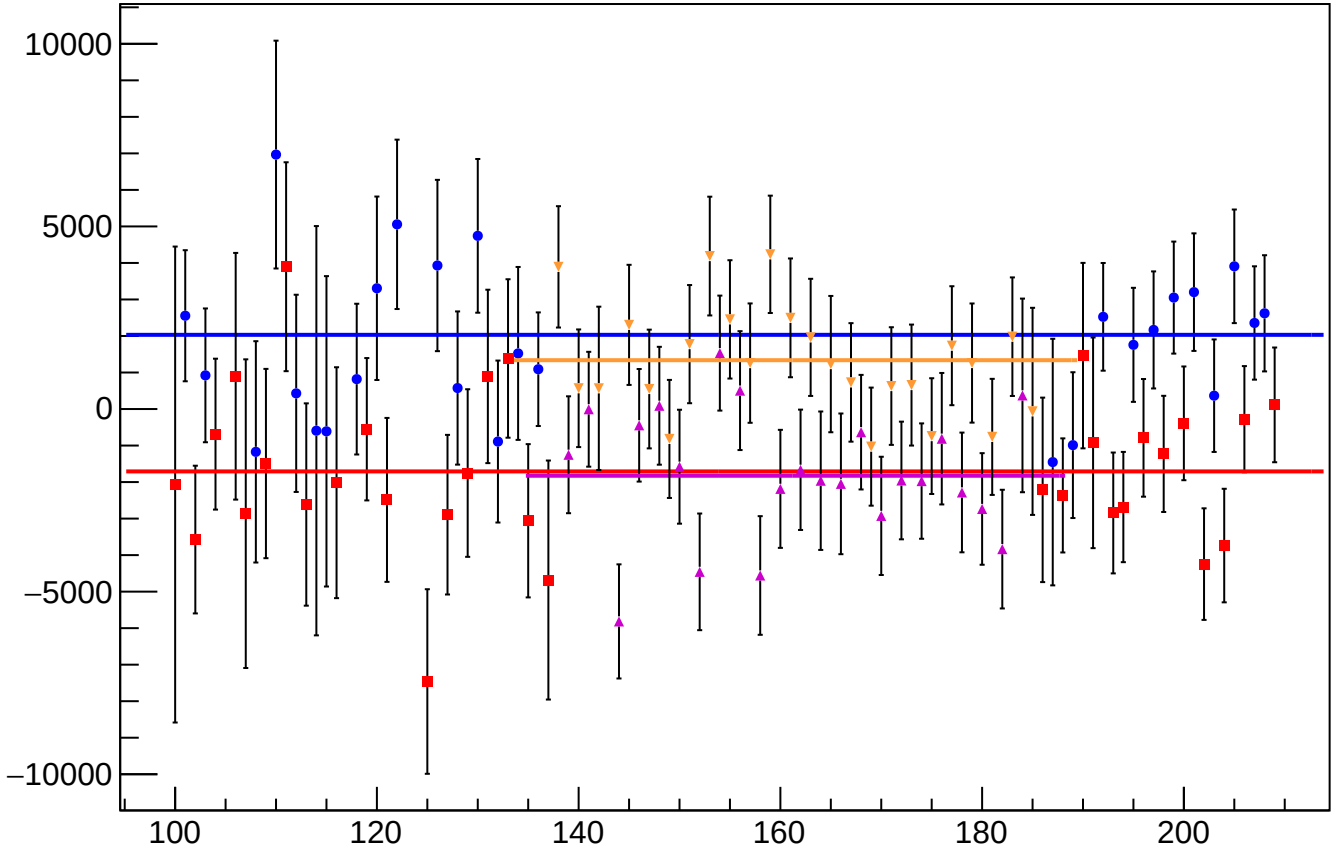
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 693.236+/-0.091 χ^2/NDF: 9733926.9/50

All: 497.169+/-0.054 χ^2/NDF: 48786691.3/10

- sign 395.022+/-0.066 χ^2/NDF: 32058829.9/53

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1708.127+/-366.728 χ^2/NDF: 26.8/30

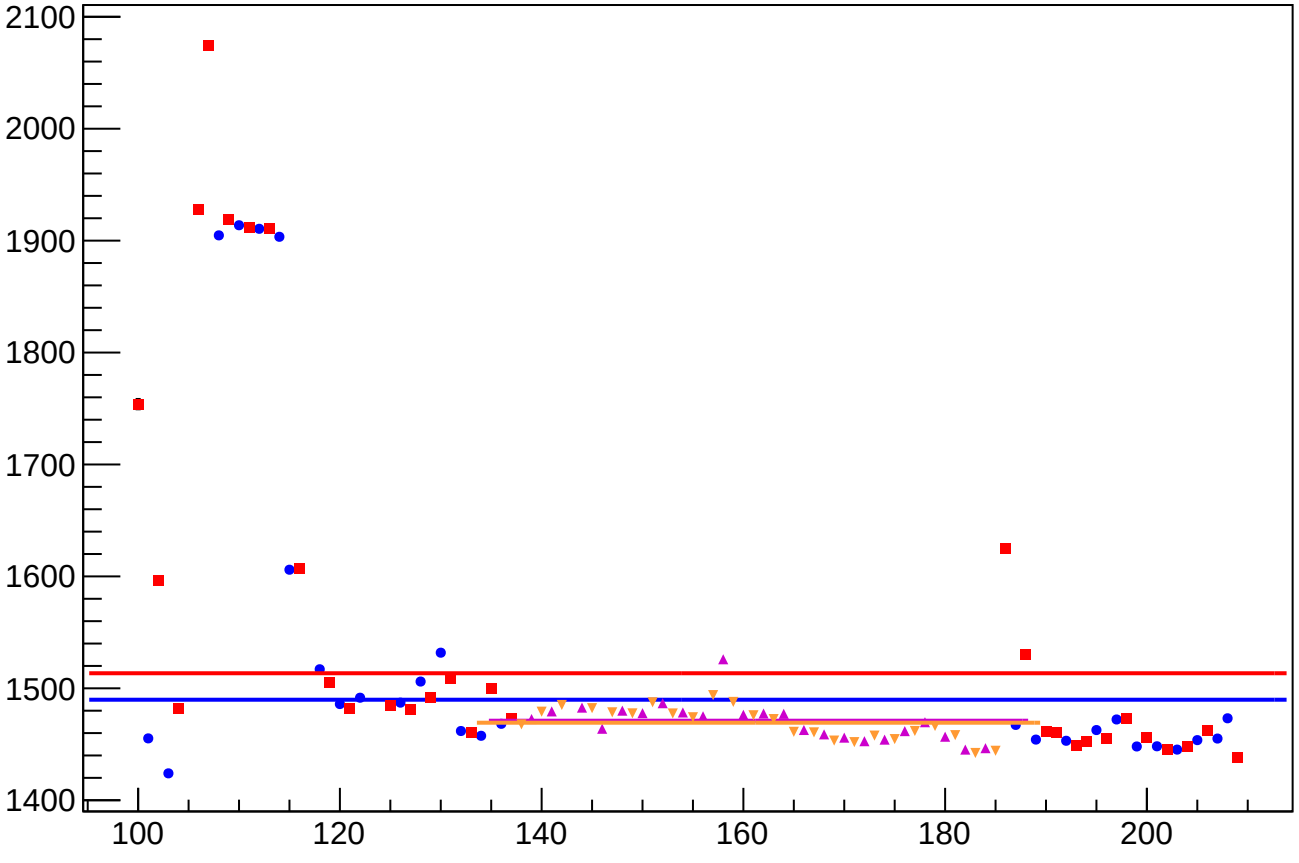
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1651.432+/-252.316 χ^2/NDF: 40.6/50

All: -70.951+/-177.838 χ^2/NDF: 186.6/104

- sign -1771.260+/-250.694 χ^2/NDF: 53.3/53

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1513.464+/-0.259 χ^2/NDF: 238829.7/30

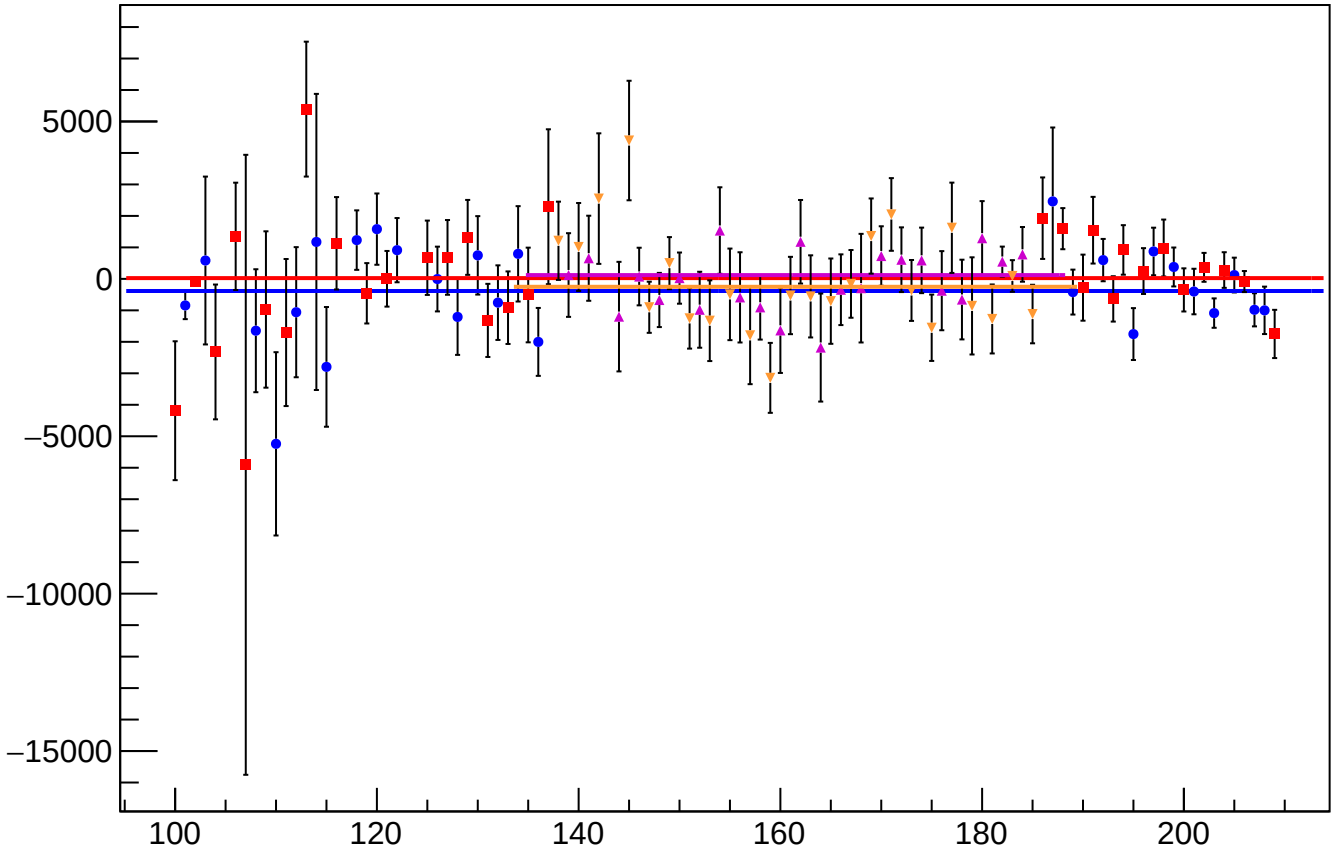
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF: 157110.7/50

All: 1484.757+/-0.126 χ^2/NDF: 417226.4/104

- sign 1490.872+/-0.177 χ^2/NDF: 257720.3/53

asym_usl_atl1_avg_cor_correction_mean vs Slug



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 24.180+/-108.824 χ^2/NDF: 39.0/30

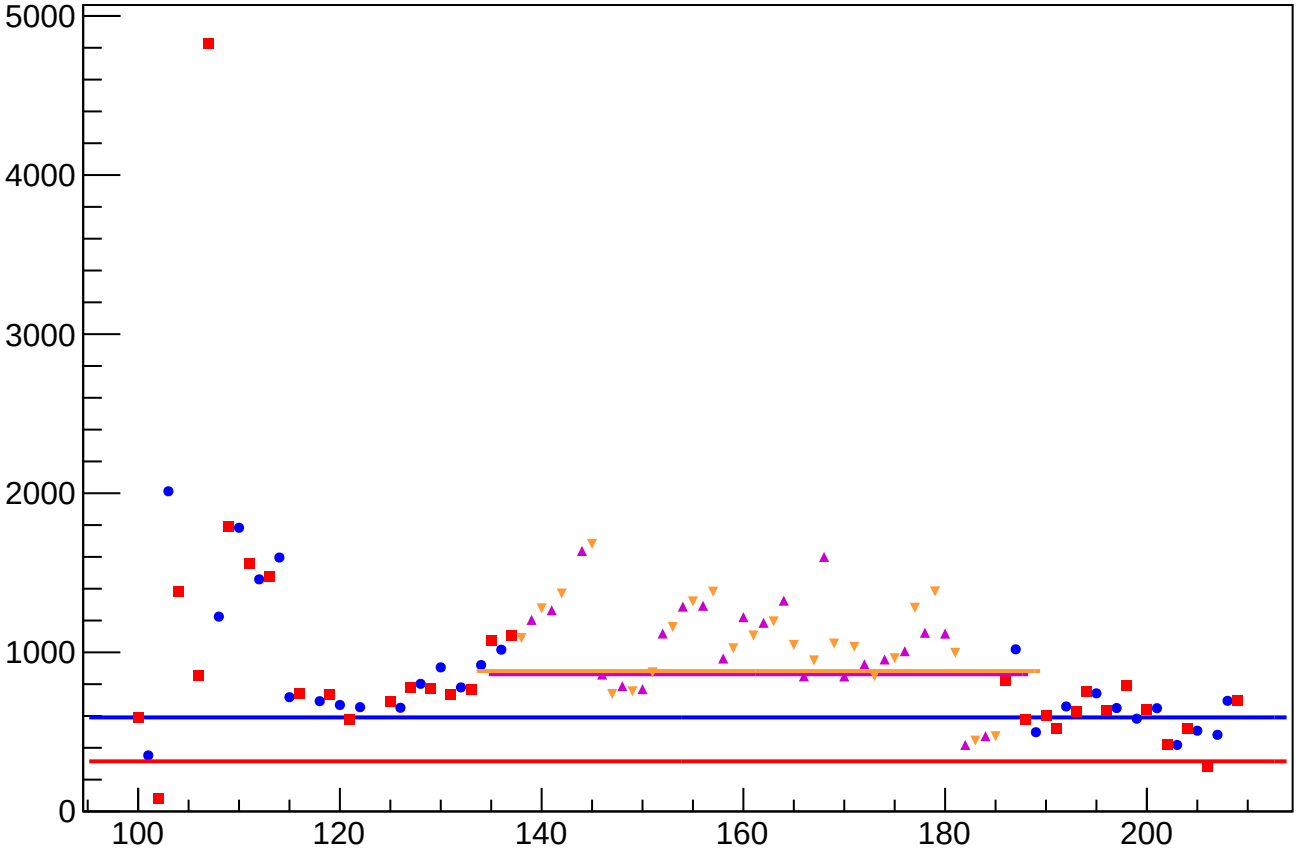
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -338.354+/-129.305 χ^2/NDF: 66.8/50

All: -94.307+/-77.688 χ^2/NDF: 124.4/104

- sign 43.550+/-97.184 χ^2/NDF: 52.0/53

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 314.808+/-0.077 χ^2/NDF: 14834802.4/30

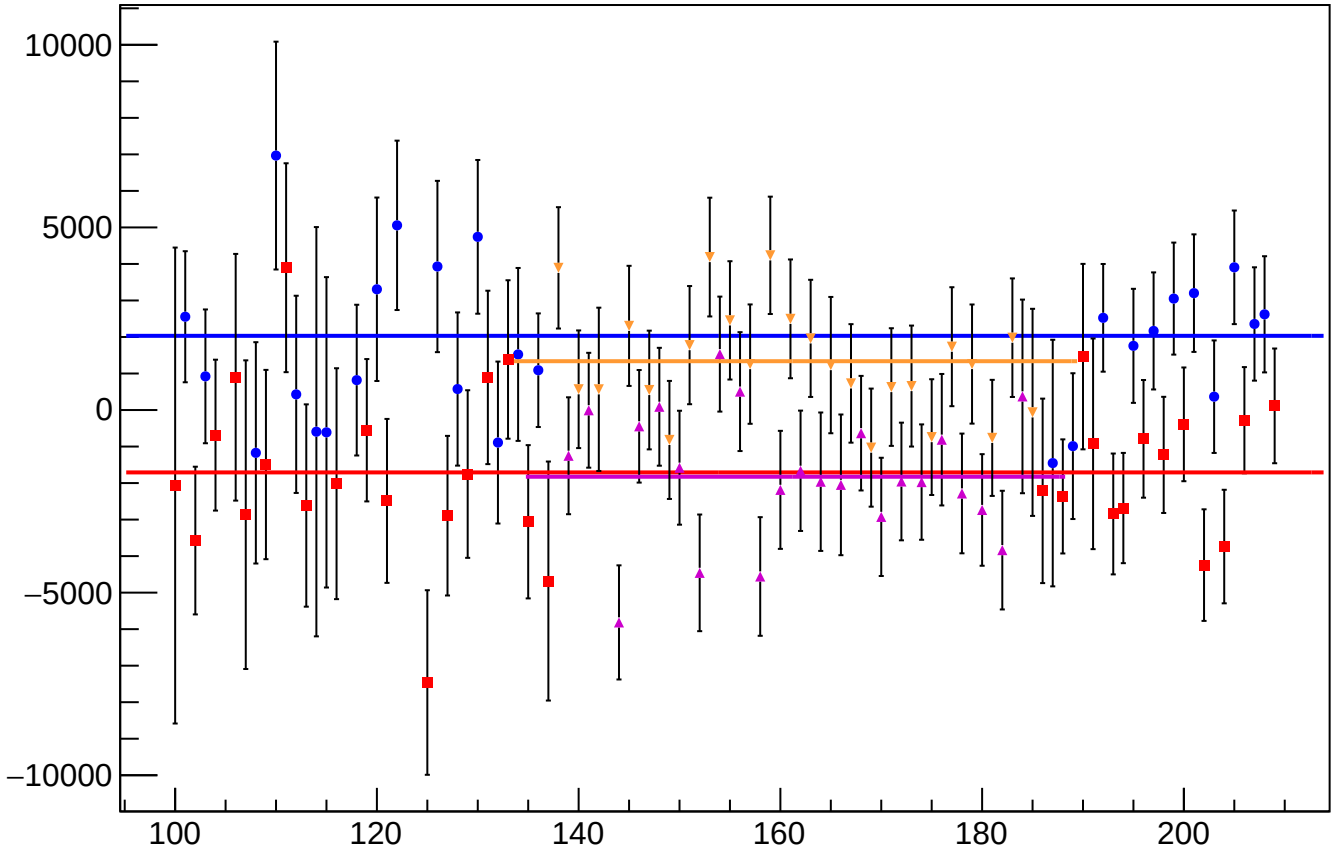
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 693.225+/-0.091 χ^2/NDF: 9734561.2/50

All: 522.246+/-0.055 χ^2/NDF: 44660867.3/10

- sign 425.664+/-0.069 χ^2/NDF: 29454091.2/53

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1708.127+/-366.728 χ^2/NDF: 26.8/30

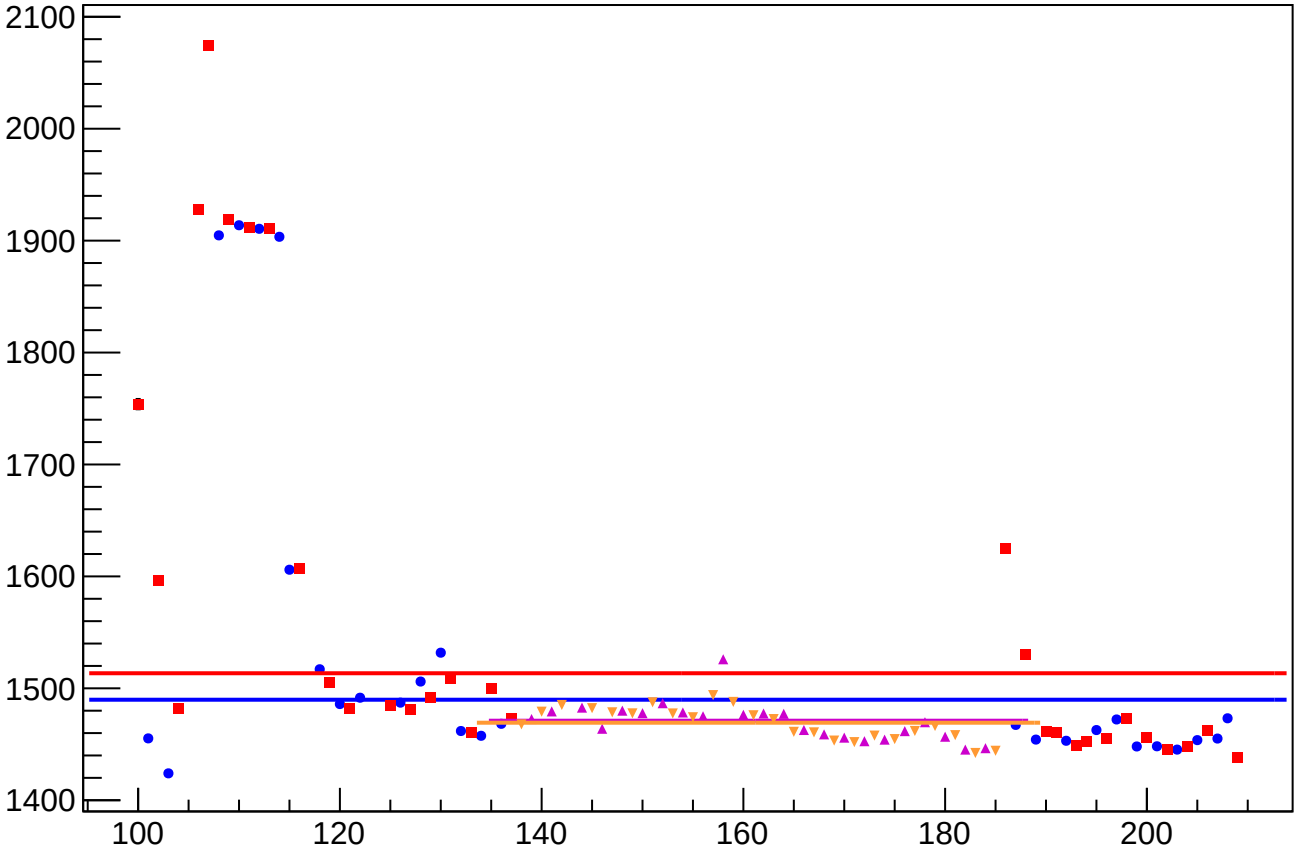
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1651.432+/-252.316 χ^2/NDF: 40.6/50

All: -70.951+/-177.838 χ^2/NDF: 186.6/104

- sign -1771.260+/-250.694 χ^2/NDF: 53.3/53

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1513.464+/-0.259 χ^2/NDF: 238829.7/30

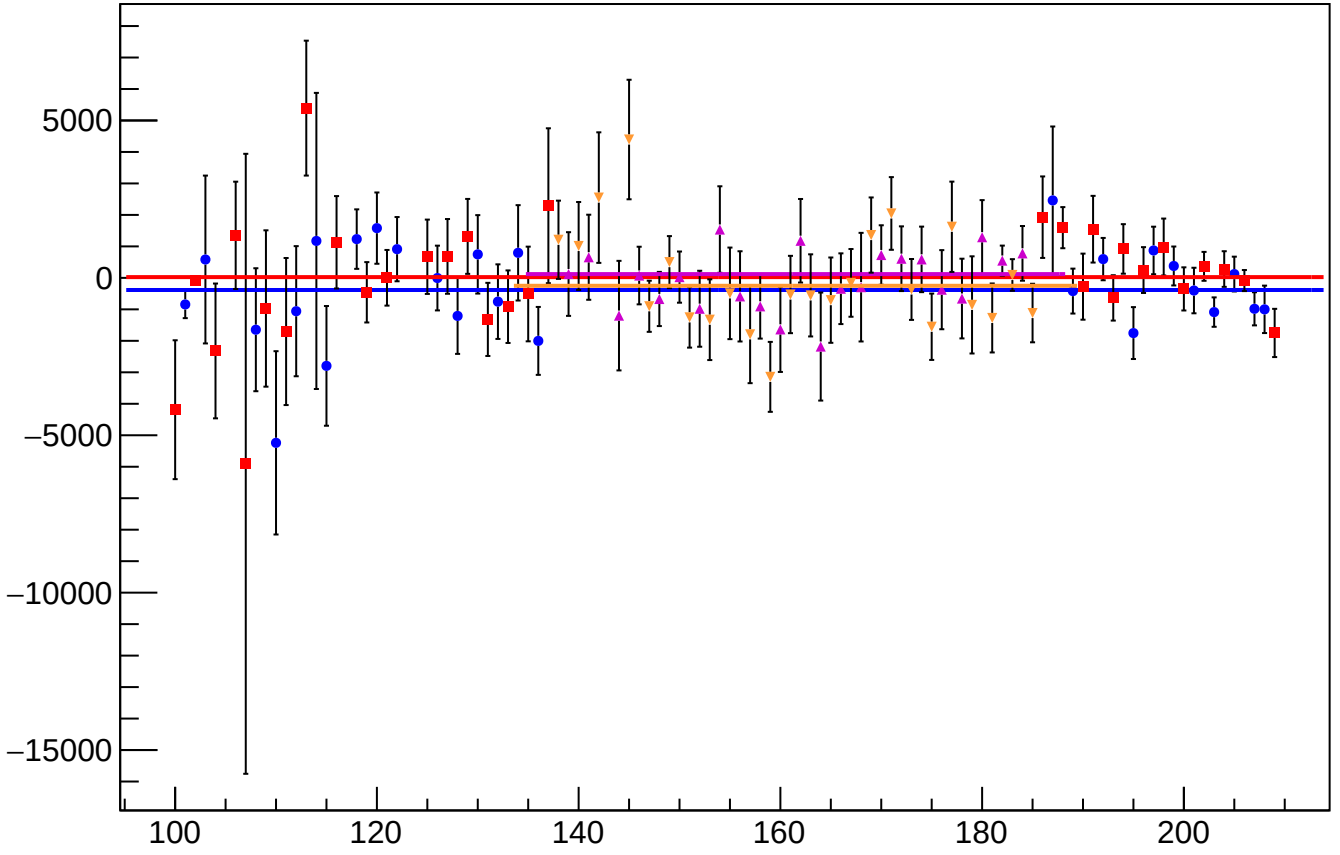
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1478.563+/-0.178 χ^2/NDF: 157110.7/50

All: 1484.757+/-0.126 χ^2/NDF: 417226.4/104

- sign 1490.872+/-0.177 χ^2/NDF: 257720.3/53

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 24.180+/-108.824 χ^2/NDF: 39.0/30

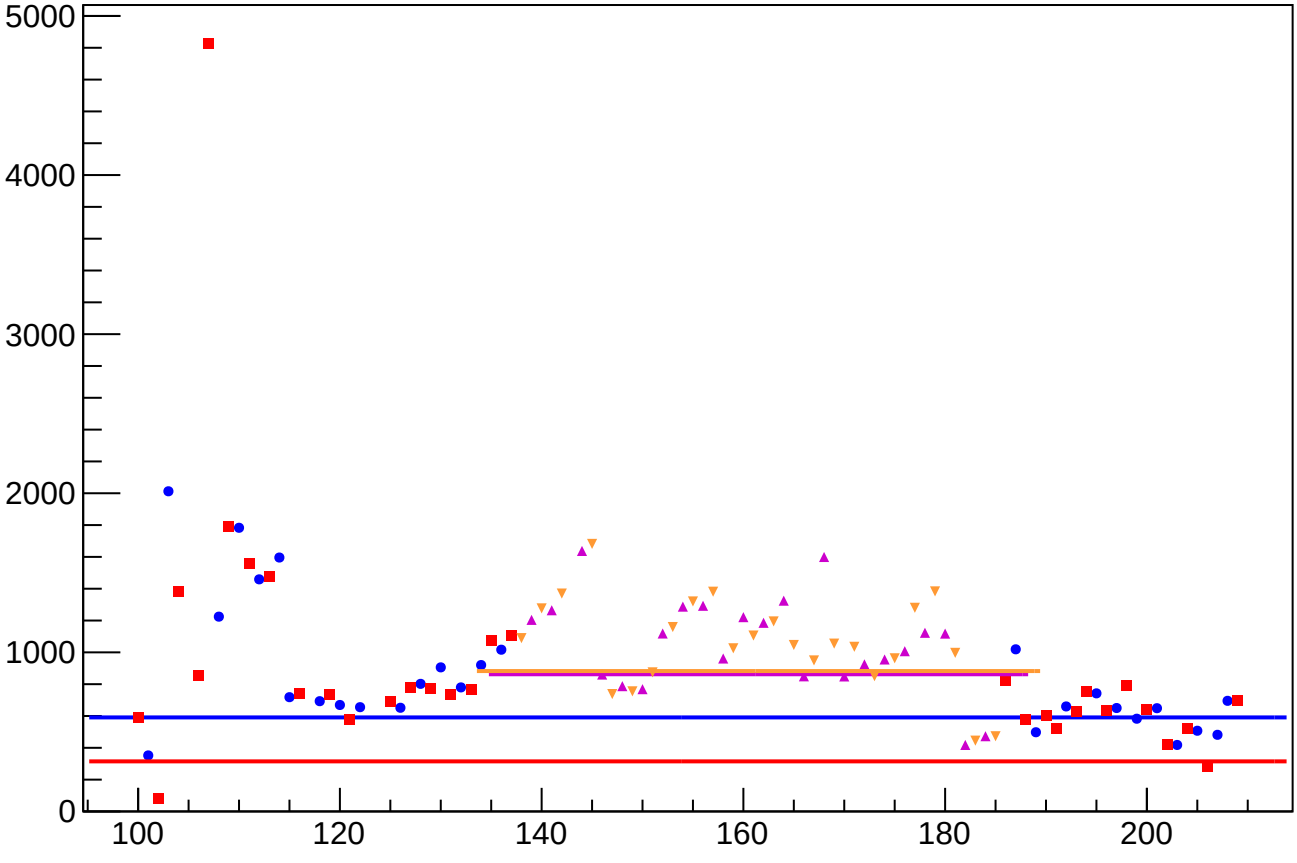
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -338.354+/-129.305 χ^2/NDF: 66.8/50

All: -94.307+/-77.688 χ^2/NDF: 124.4/104

- sign 43.550+/-97.184 χ^2/NDF: 52.0/53

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 314.808+/-0.077 χ^2/NDF: 14834802.4/30

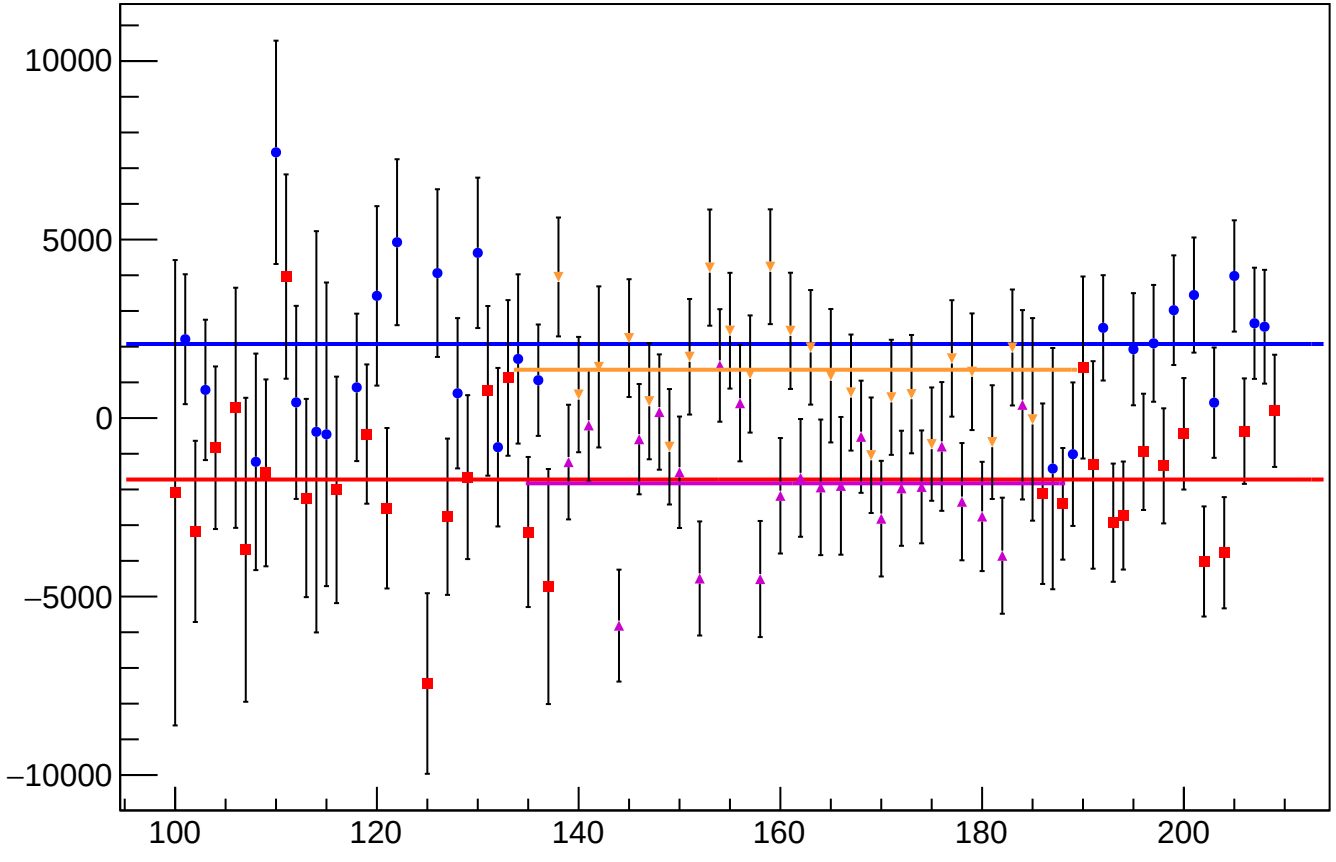
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 693.225+/-0.091 χ^2/NDF: 9734561.2/50

All: 522.246+/-0.055 χ^2/NDF: 44660867.3/10

- sign 425.664+/-0.069 χ^2/NDF: 29454091.2/53

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2074.643+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1721.311+/-371.622 χ^2/NDF: 25.0/30

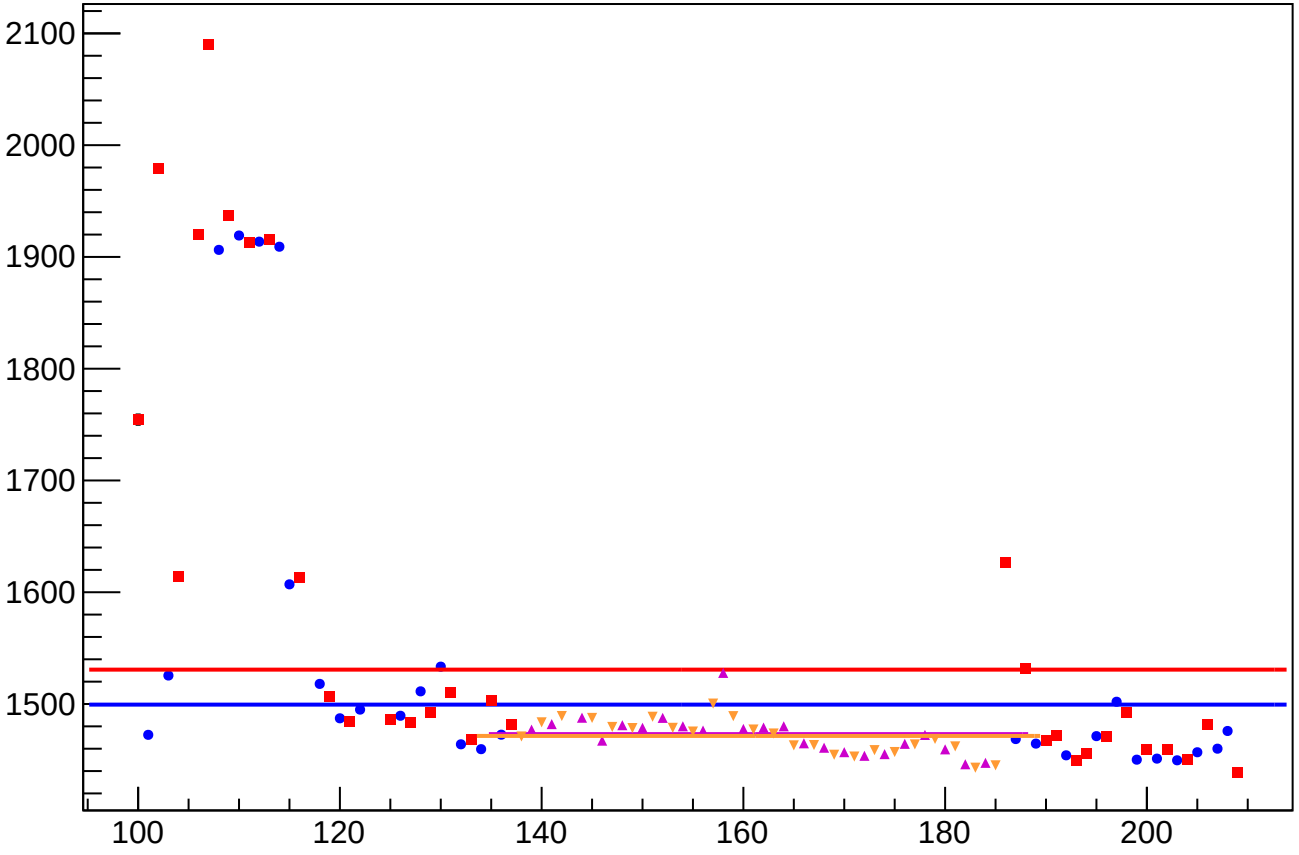
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1678.179+/-253.295 χ^2/NDF: 40.8/50

All: -56.299+/-178.799 χ^2/NDF: 185.2/104

- sign -1778.909+/-252.427 χ^2/NDF: 50.9/53

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.4/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1530.753+/-0.263 χ^2/NDF: 299658.1/30

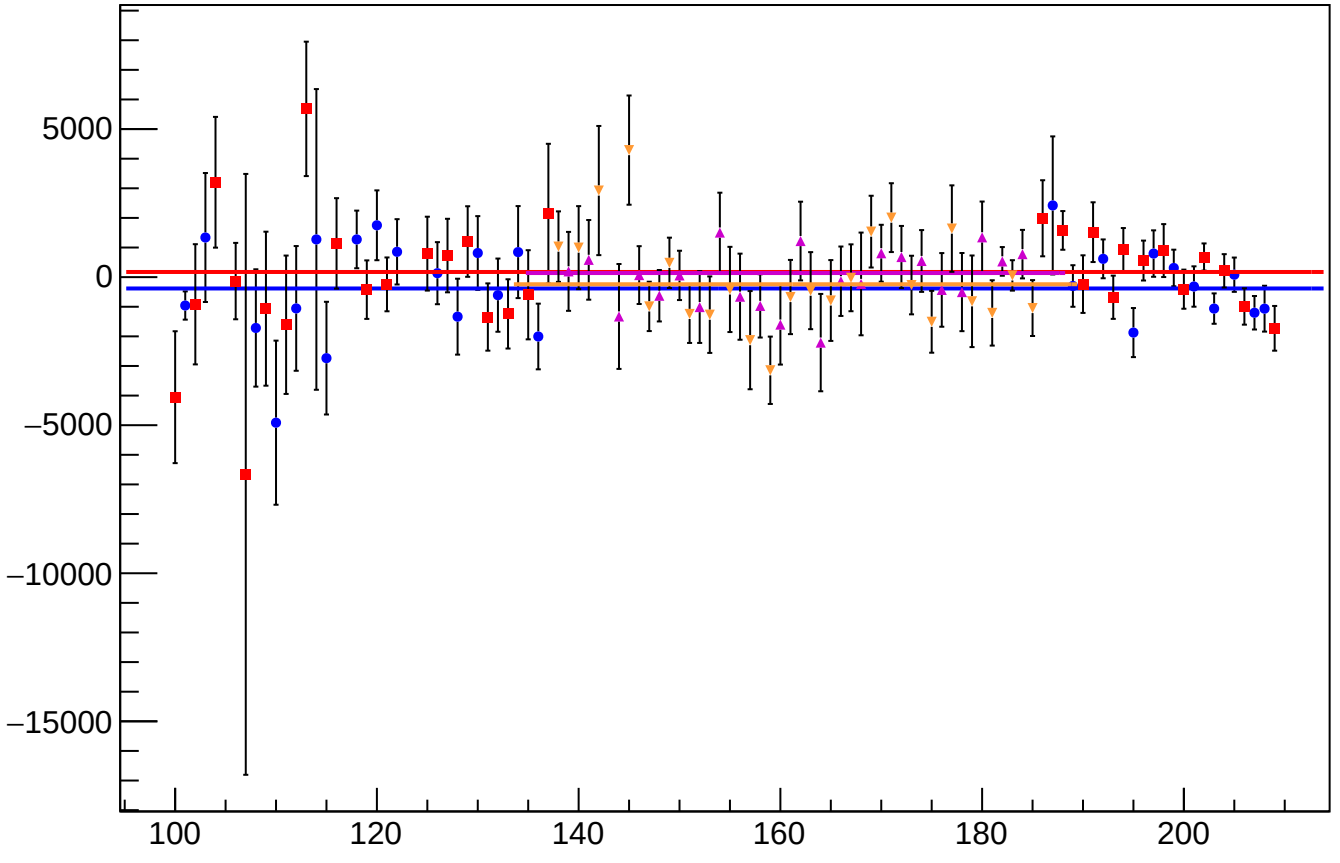
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.044+/-0.179 χ^2/NDF: 156080.2/50

All: 1491.885+/-0.126 χ^2/NDF: 490282.2/104

- sign 1499.673+/-0.178 χ^2/NDF: 330381.9/53

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 174.298+/-168.147 χ^2/NDF: 43.3/30

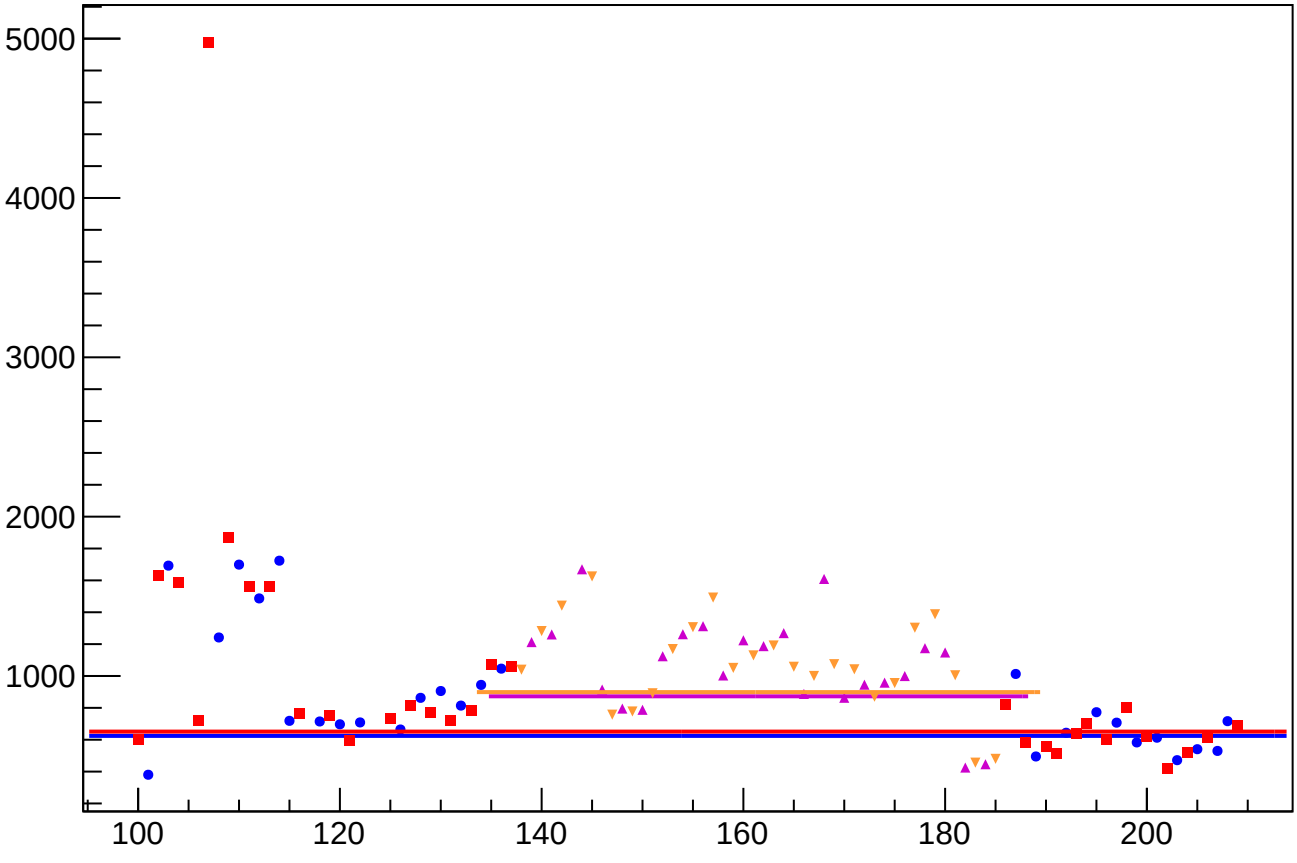
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -331.634+/-133.066 χ^2/NDF: 67.4/50

All: -85.685+/-94.157 χ^2/NDF: 130.5/104

- sign 160.952+/-133.252 χ^2/NDF: 56.3/53

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 624.073+/-0.118 χ^2/NDF: 3090415.9/26

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 651.019+/-0.119 χ^2/NDF: 3461015.9/30

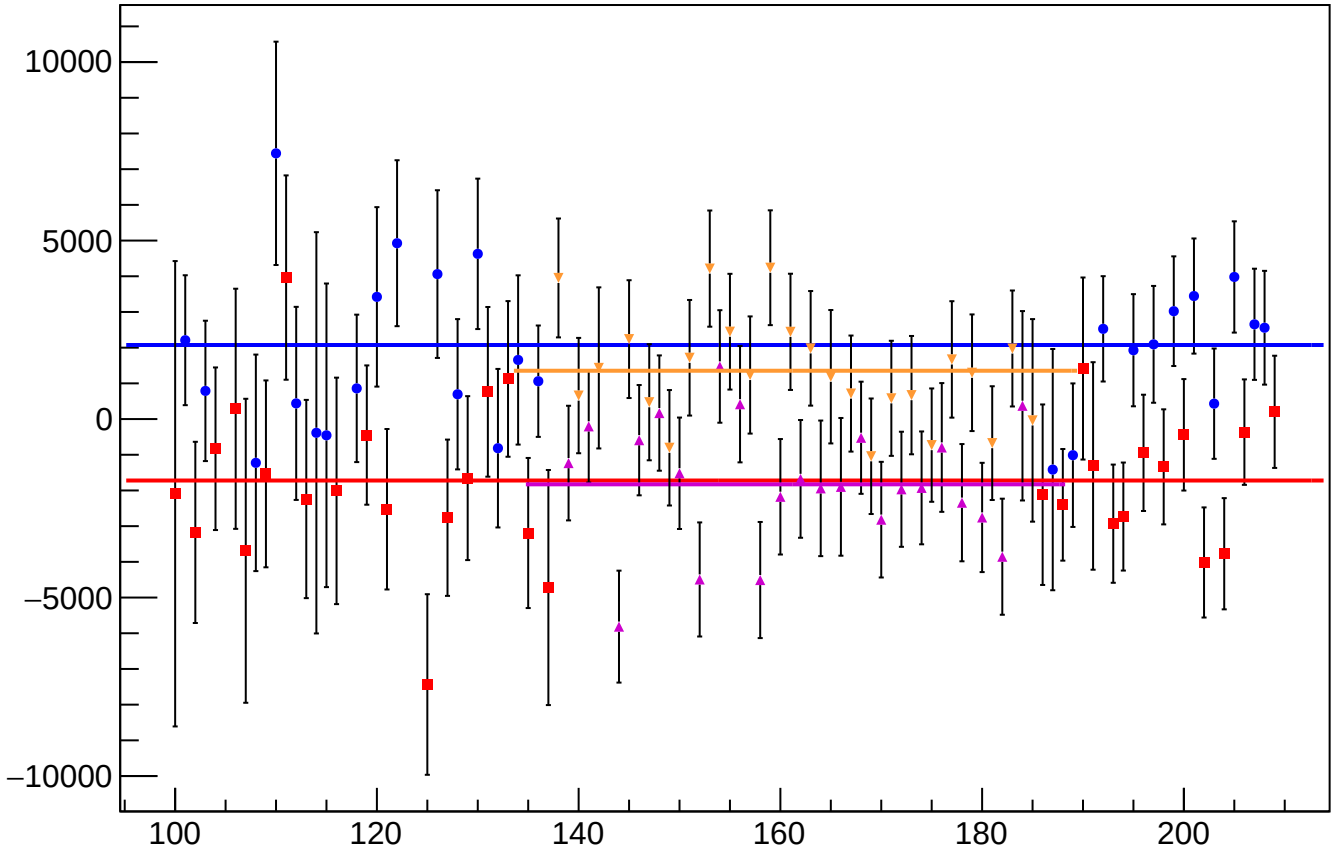
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 722.982+/-0.094 χ^2/NDF: 8846740.0/50

All: 728.182+/-0.067 χ^2/NDF: 18039855.2/10

- sign 733.397+/-0.094 χ^2/NDF: 9186998.0/53

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2074.641+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1721.310+/-371.622 χ^2/NDF: 25.0/30

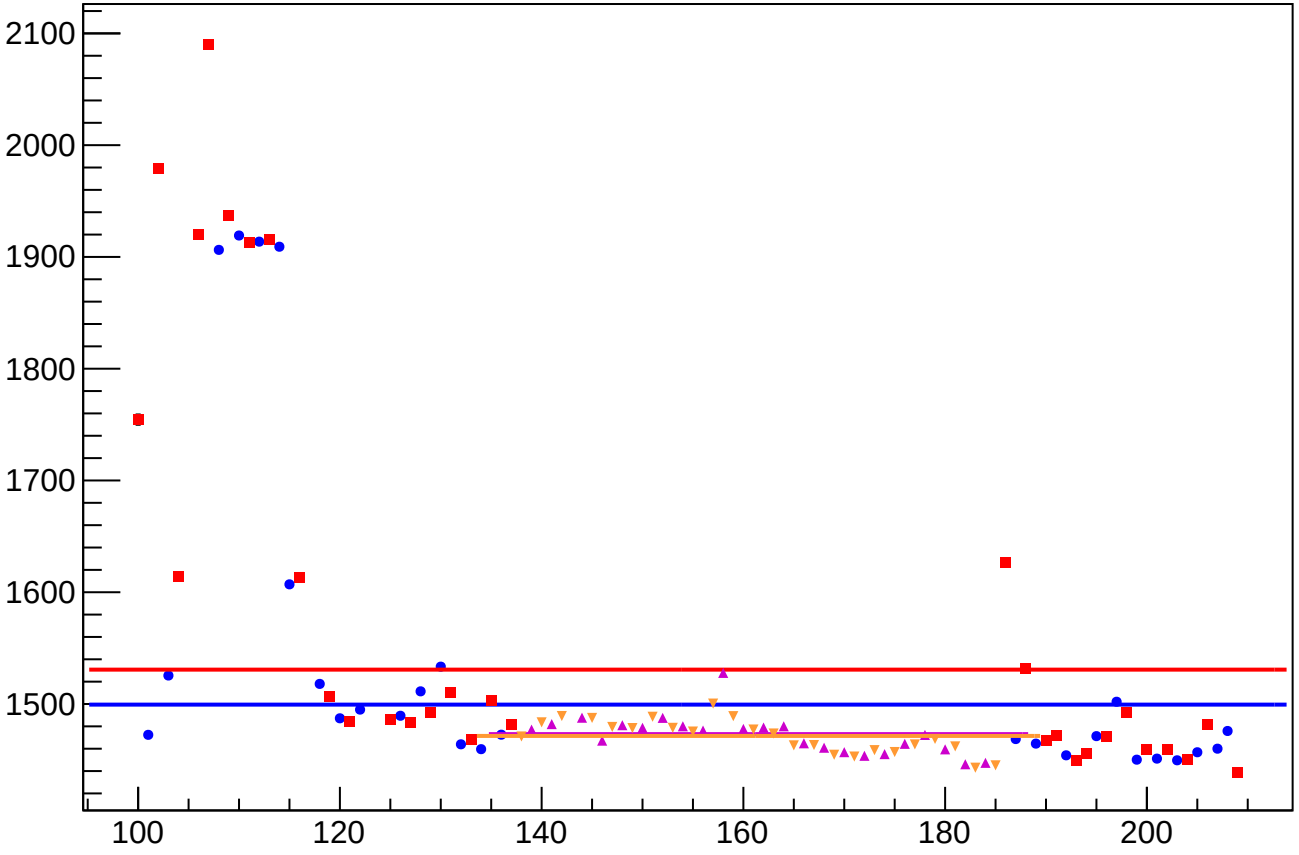
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1678.177+/-253.295 χ^2/NDF: 40.8/50

All: -56.300+/-178.799 χ^2/NDF: 185.2/104

- sign -1778.909+/-252.427 χ^2/NDF: 50.9/53

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.3/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1530.753+/-0.263 χ^2/NDF: 299657.6/30

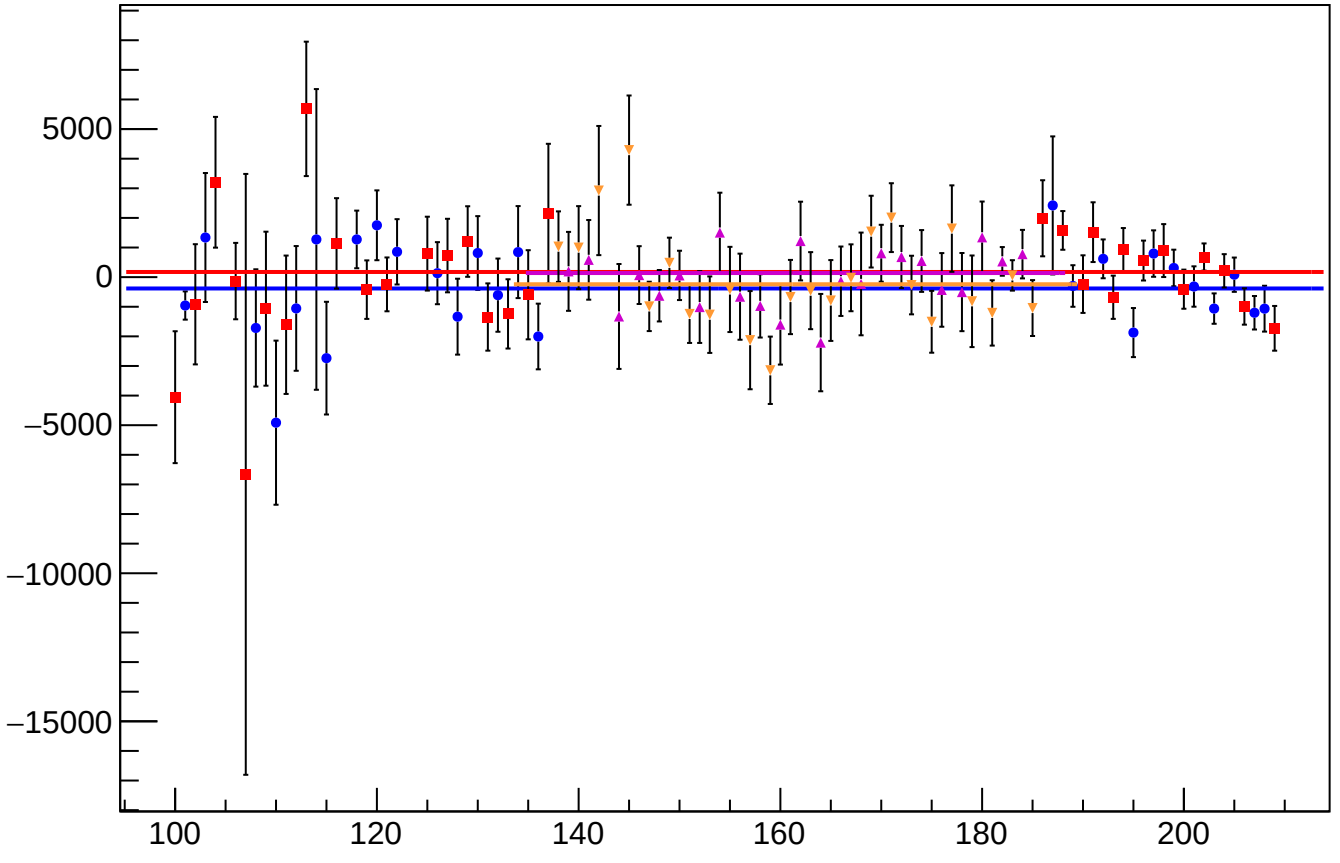
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.044+/-0.179 χ^2/NDF: 156080.1/50

All: 1491.885+/-0.126 χ^2/NDF: 490281.5/104

- sign 1499.673+/-0.178 χ^2/NDF: 330381.4/53

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

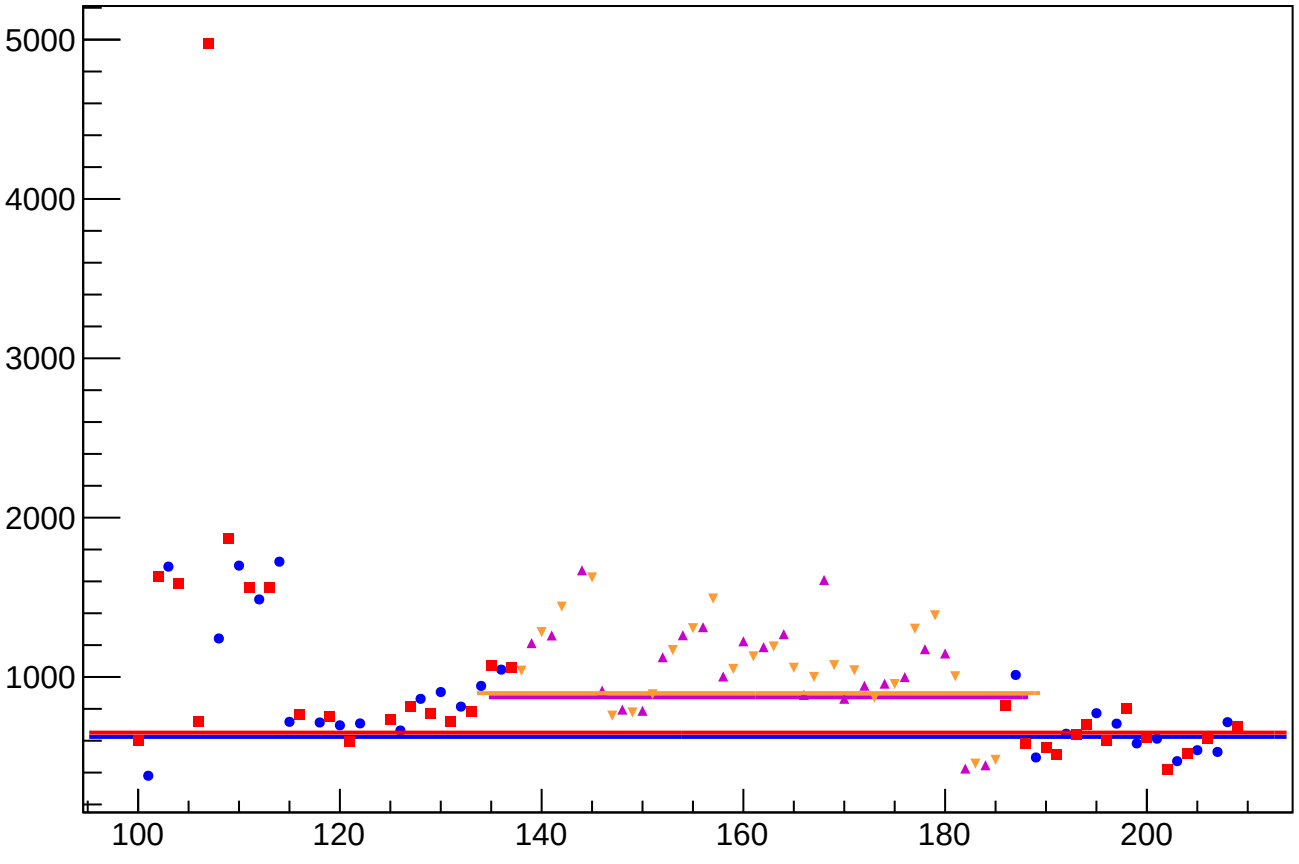
Right Out: 174.298+/-168.147 χ^2/NDF: 43.3/30

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -331.634+/-133.066 χ^2/NDF: 67.4/50

All: -85.685+/-94.157 χ^2/NDF: 130.5/104

- sign 160.952+/-133.252 χ^2/NDF: 56.3/53



Right In: 624.074+/-0.118 χ^2/NDF: 3090410.1/26

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 651.019+/-0.119 χ^2/NDF: 3461012.2/30

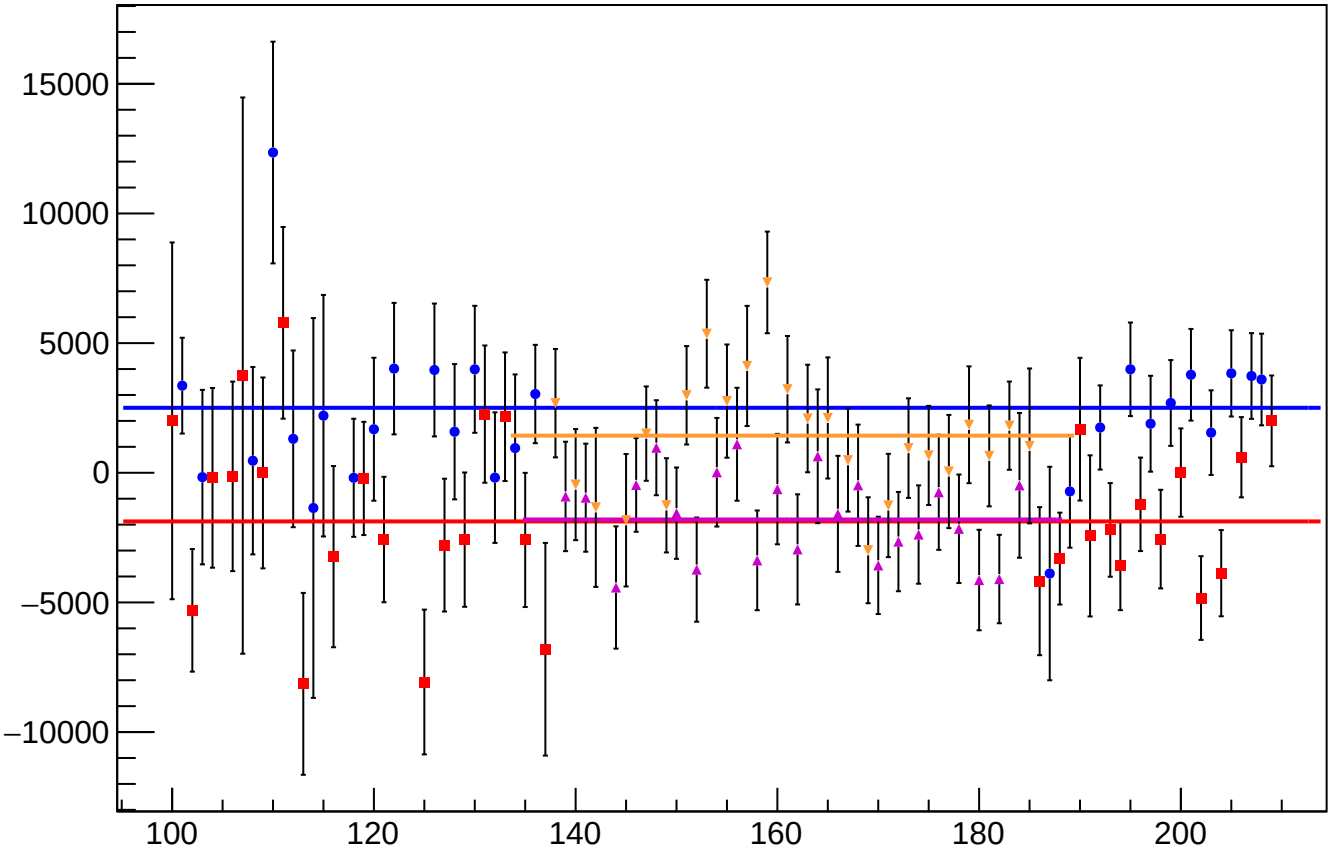
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 722.983+/-0.094 χ^2/NDF: 8846746.2/50

All: 728.183+/-0.067 χ^2/NDF: 18039869.6/10

- sign 733.398+/-0.094 χ^2/NDF: 9187006.2/53

asym_usl_atl1_avg_mean vs Slug



Right In: 2505.248+/-425.325 χ^2/NDF: 19.1/26

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1876.521+/-417.154 χ^2/NDF: 41.2/30

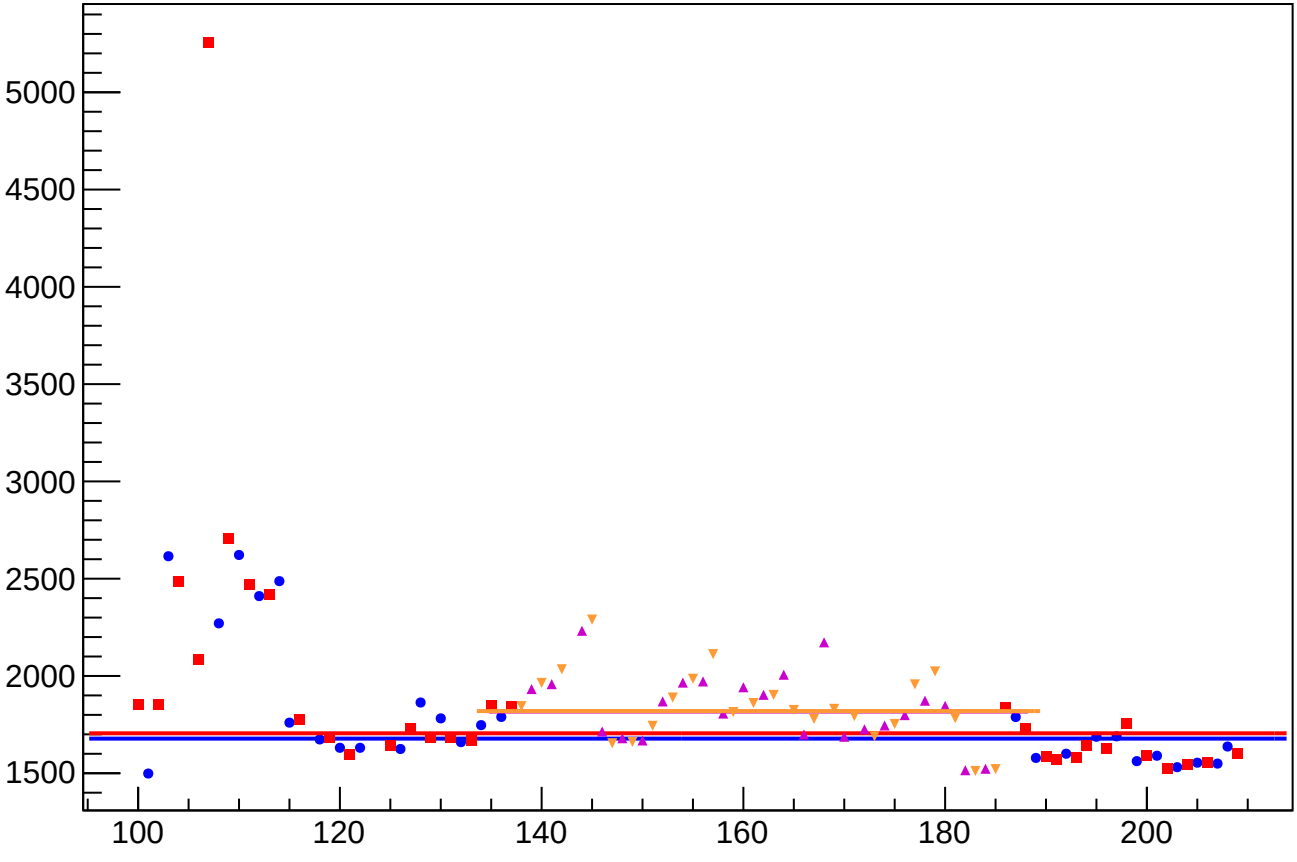
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1968.196+/-300.446 χ^2/NDF: 51.7/50

All: 49.984+/-211.654 χ^2/NDF: 189.2/104

- sign -1839.861+/-298.216 χ^2/NDF: 56.6/53

asym_usl_atl1_avg_rms vs Slug



Right In: 1677.996+/-0.301 χ^2/NDF: 532413.1/26

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1705.290+/-0.295 χ^2/NDF: 790266.3/30

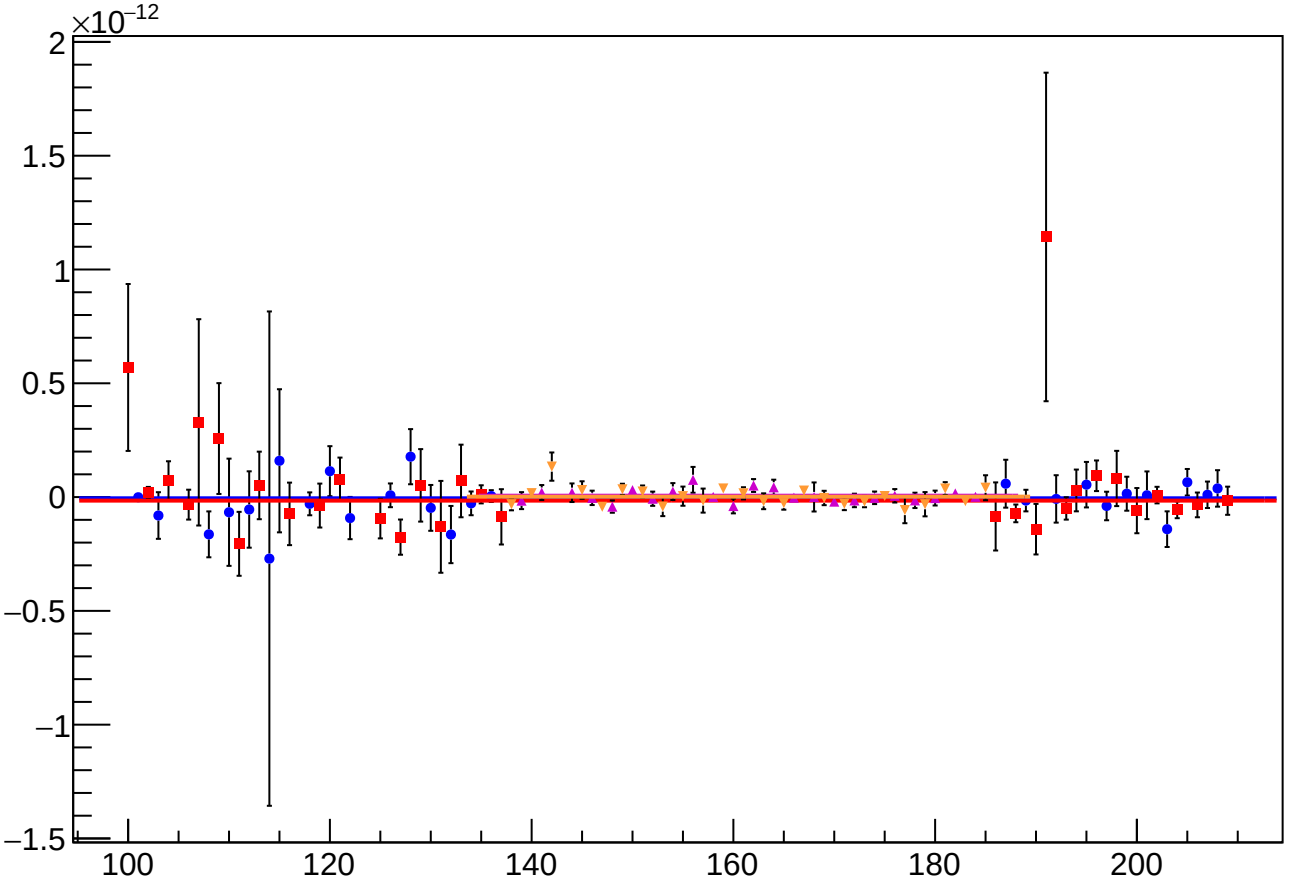
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1748.850+/-0.212 χ^2/NDF: 938209.8/50

All: 1754.456+/-0.150 χ^2/NDF: 2107265.3/10

- sign 1759.979+/-0.211 χ^2/NDF: 1167673.1/53

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

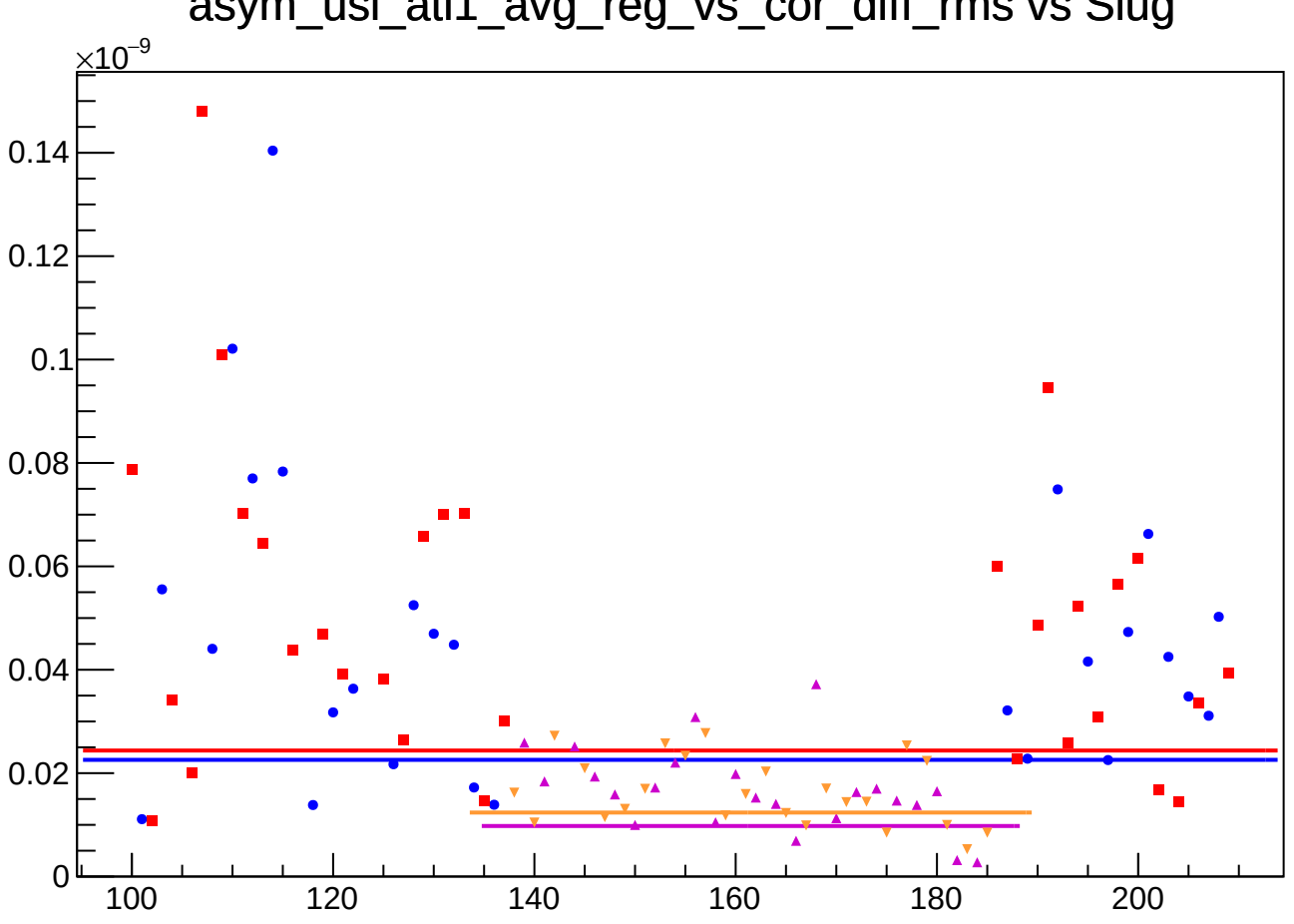
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/50

All: 0.000+/-0.000 χ^2/NDF: 96.4/104

- sign 0.000+/-0.000 χ^2/NDF: 50.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 3805933.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3399378.6/30

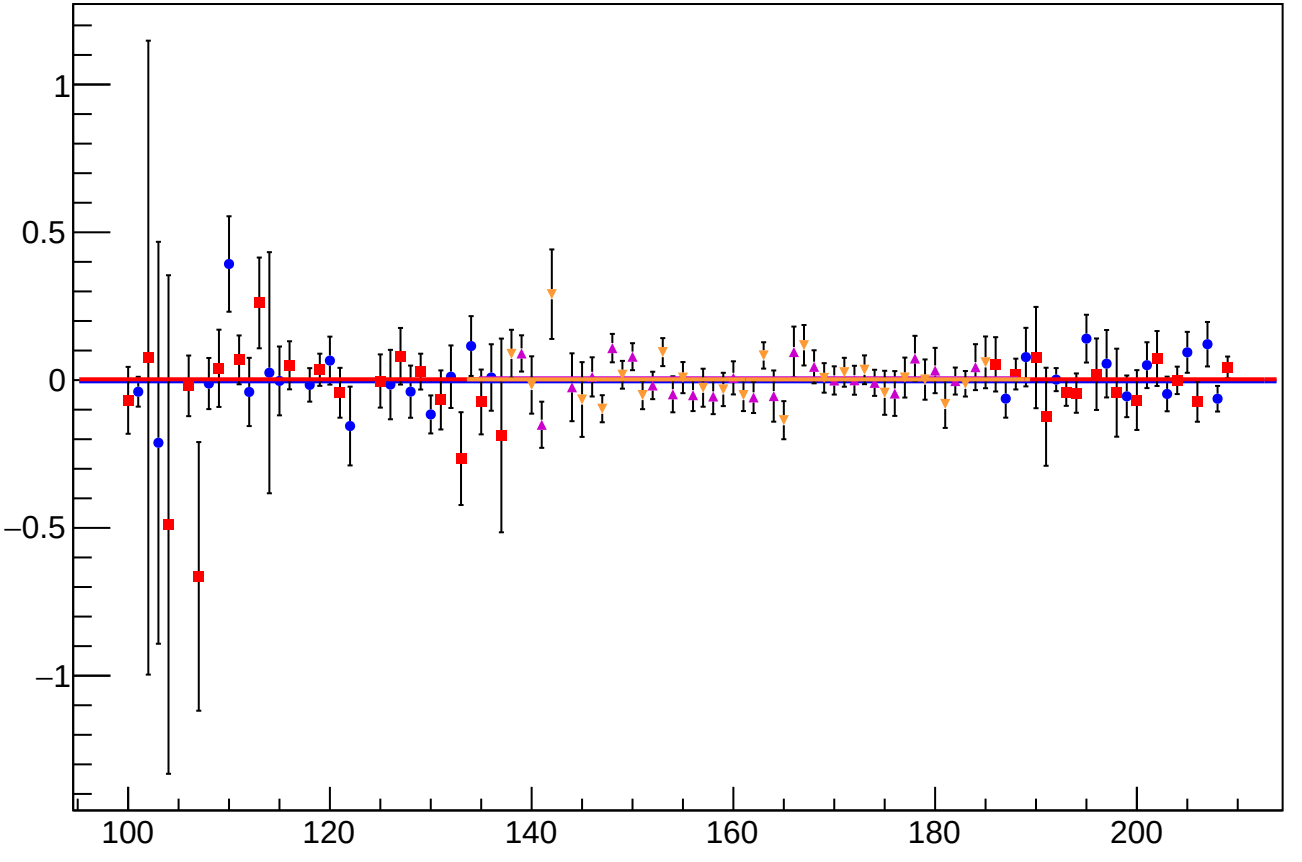
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7056612.6/50

All: 0.000+/-0.000 χ^2/NDF: 17914310.8/104

- sign 0.000+/-0.000 χ^2/NDF: 10555939.5/53

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 19.0/30

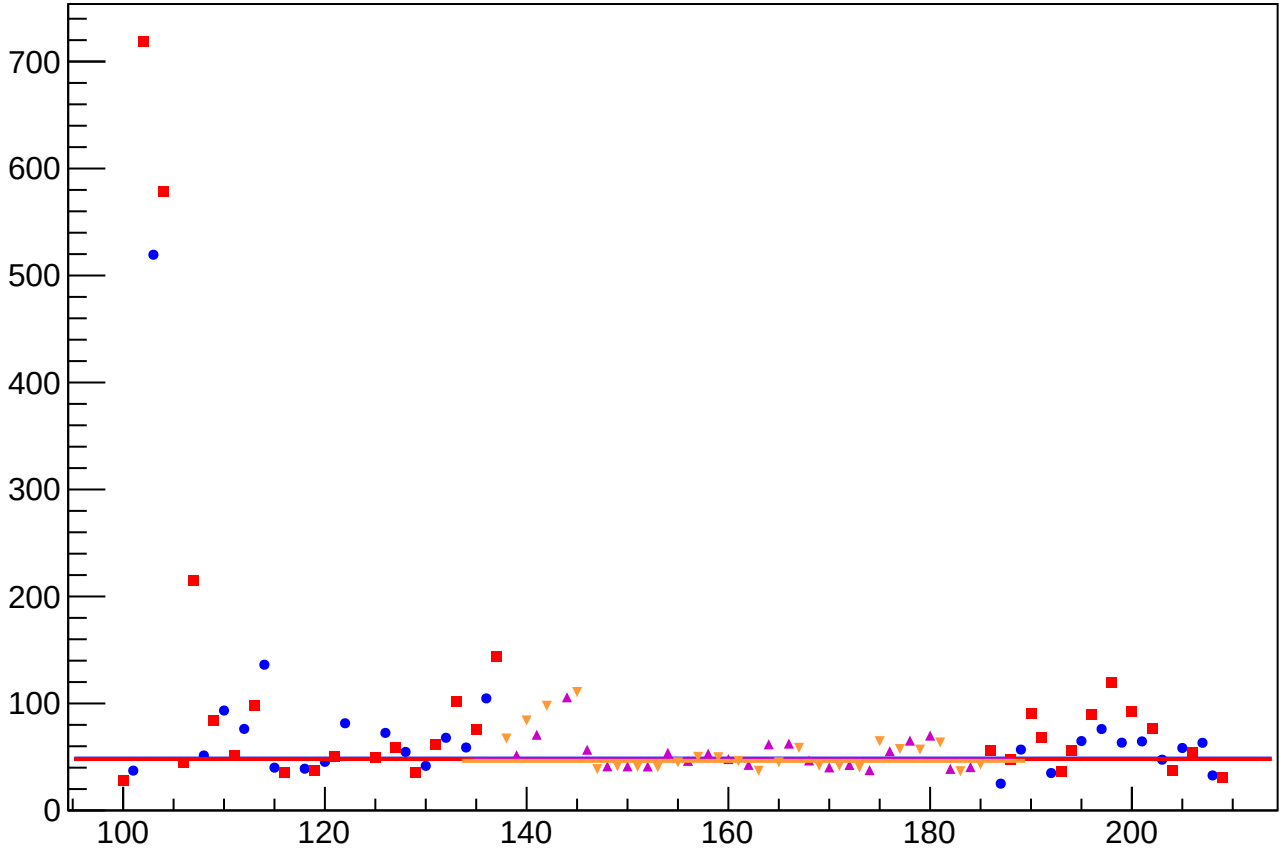
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.009 χ^2/NDF: 56.6/50

All: 0.002+/-0.007 χ^2/NDF: 97.4/104

- sign 0.005+/-0.009 χ^2/NDF: 40.6/53

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 48.066+/-0.010 χ^2/NDF: 5276838.4/30

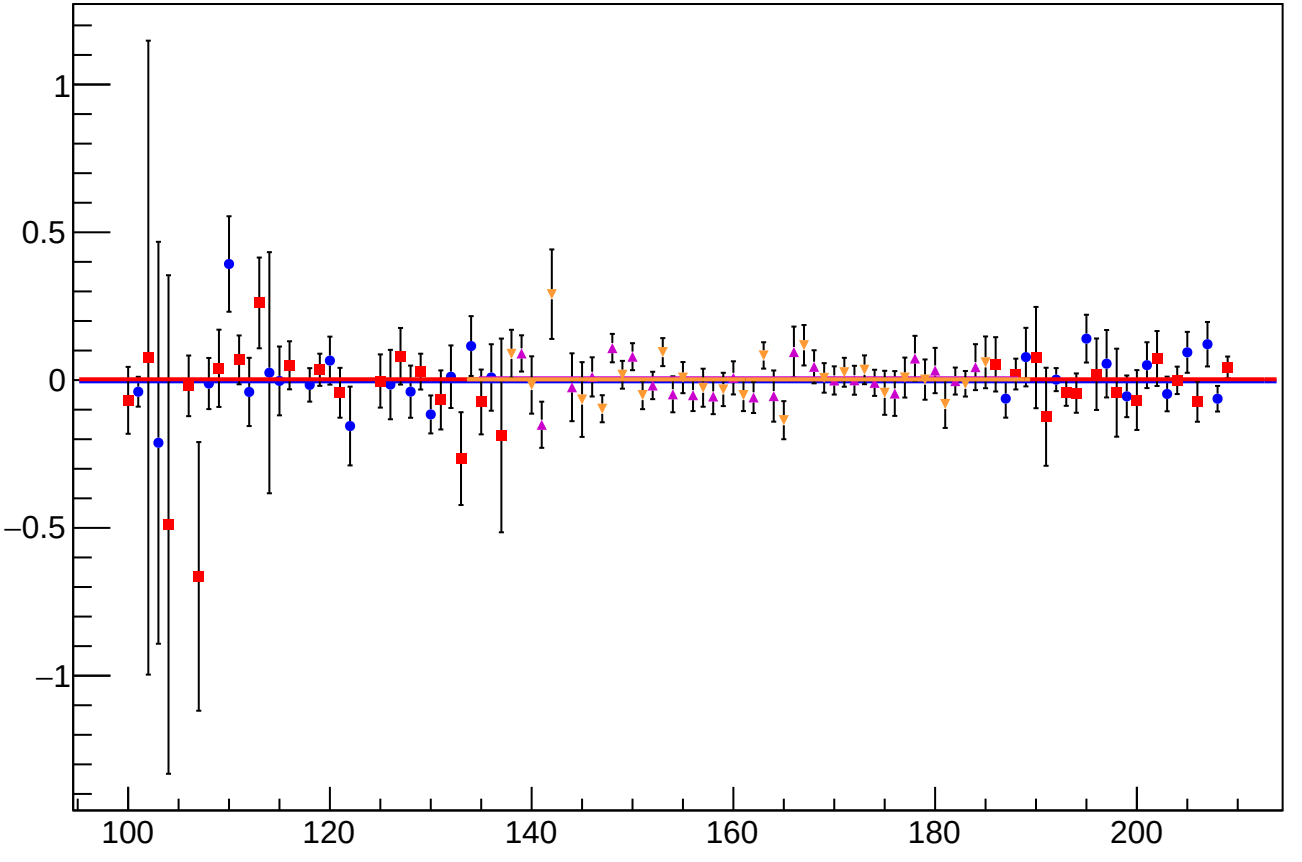
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589206.7/50

All: 47.485+/-0.005 χ^2/NDF: 12447614.4/104

- sign 47.780+/-0.007 χ^2/NDF: 6854400.0/53

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 19.0/30

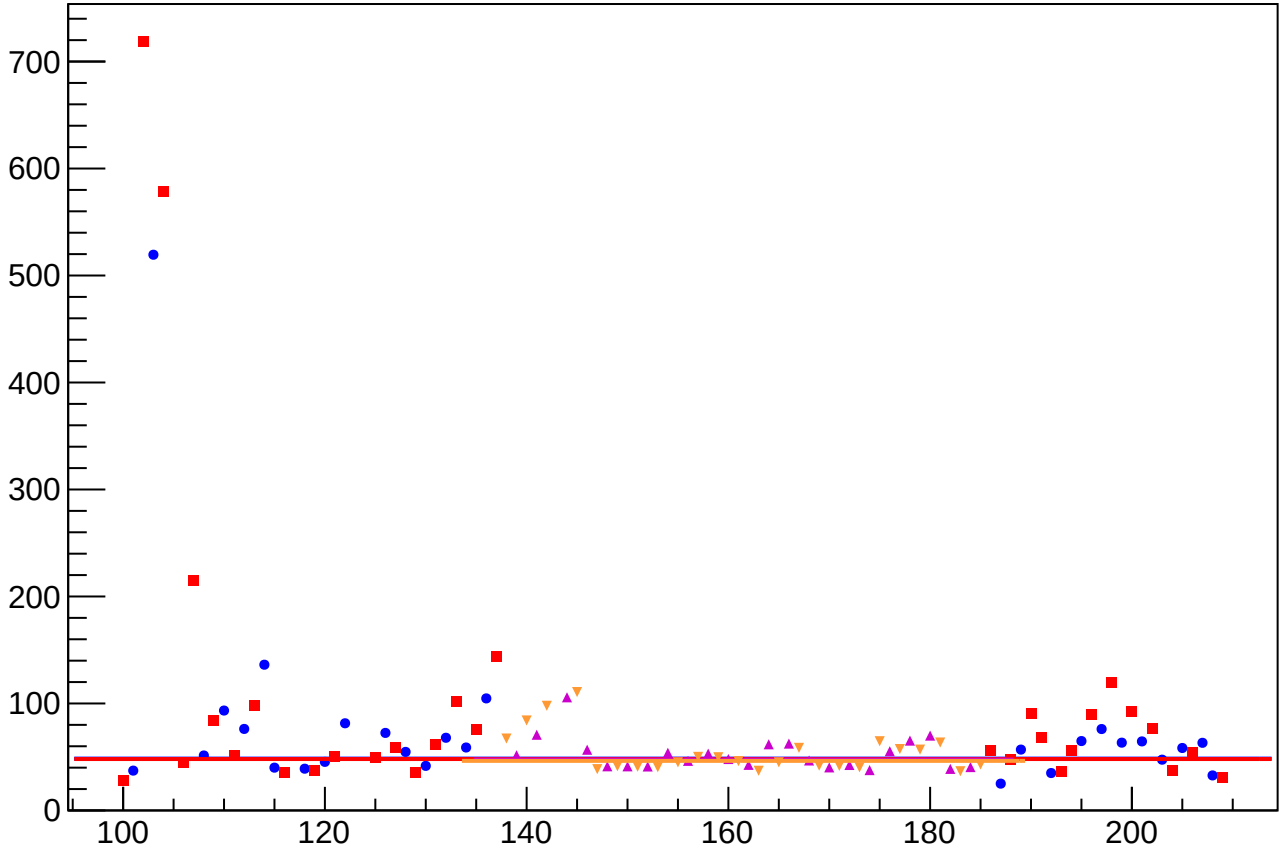
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.000+/-0.009 χ^2/NDF: 56.6/50

All: 0.002+/-0.007 χ^2/NDF: 97.4/104

- sign 0.005+/-0.009 χ^2/NDF: 40.6/53

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

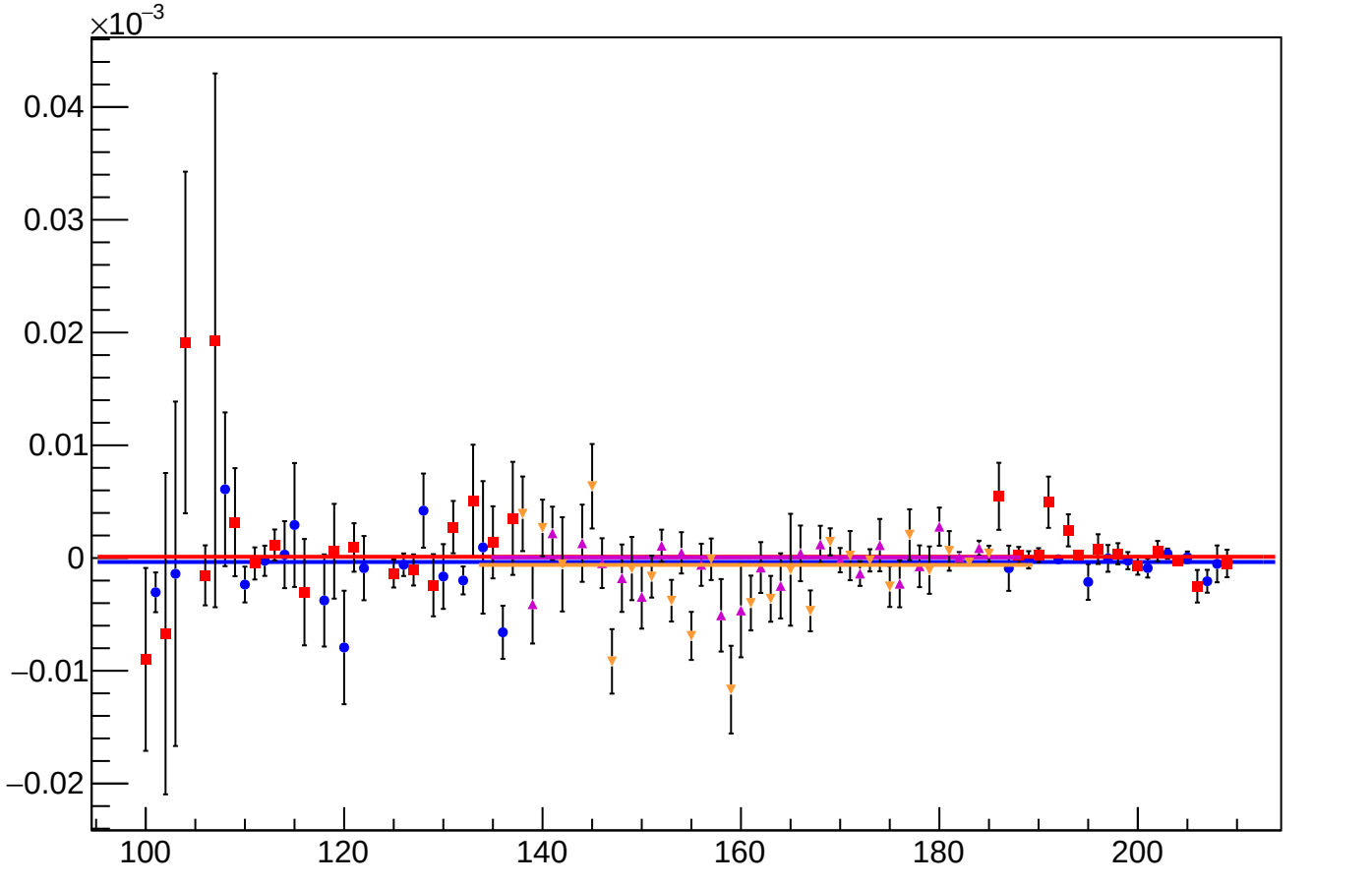
Right Out: 48.066+/-0.010 χ^2/NDF: 5276838.4/30

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589206.7/50

All: 47.485+/-0.005 χ^2/NDF: 12447614.4/104

- sign 47.780+/-0.007 χ^2/NDF: 6854400.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

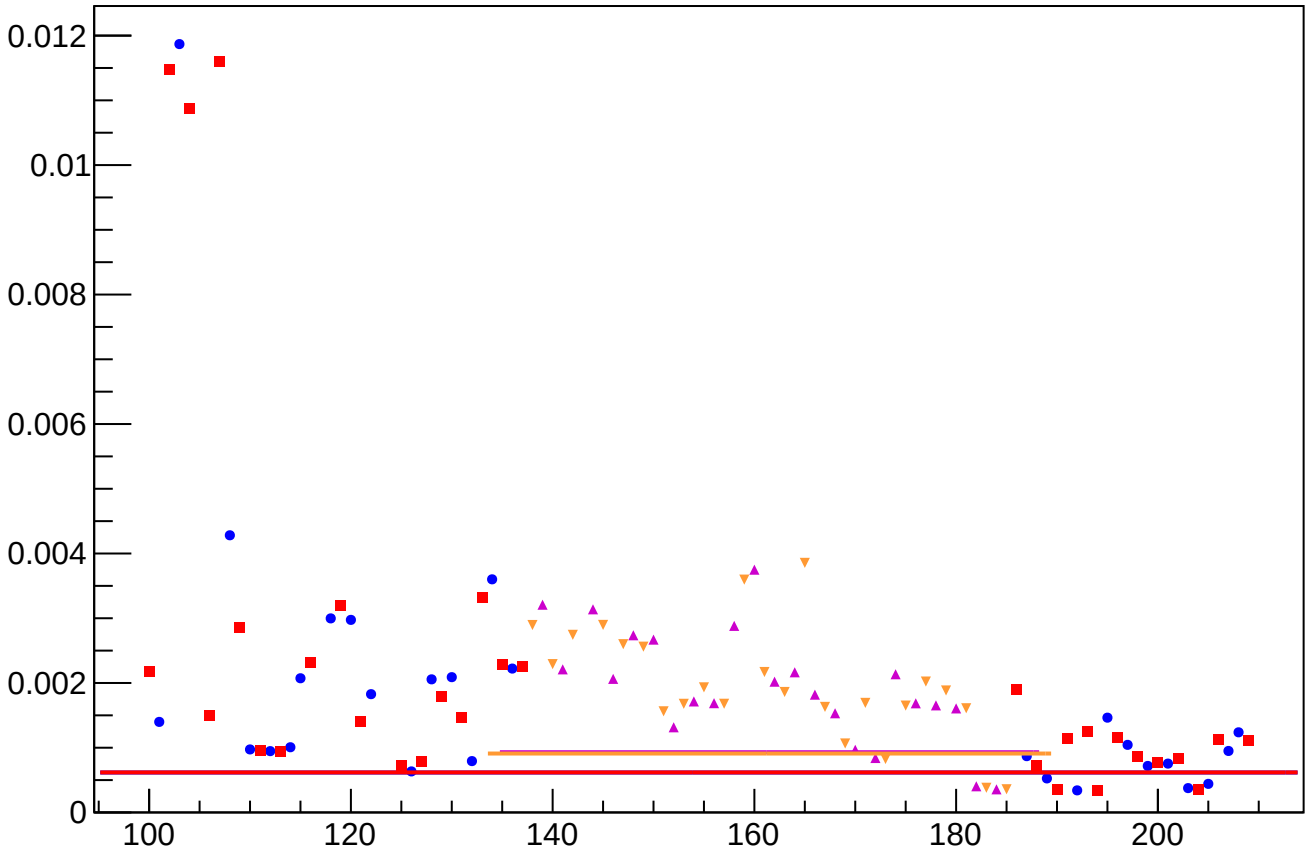
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/30

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.1/50

All: -0.000+/-0.000 χ^2/NDF: 133.8/104

- sign 0.000+/-0.000 χ^2/NDF: 46.2/53



Right In: 0.001+/-0.000 χ^2/NDF: 9508335.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

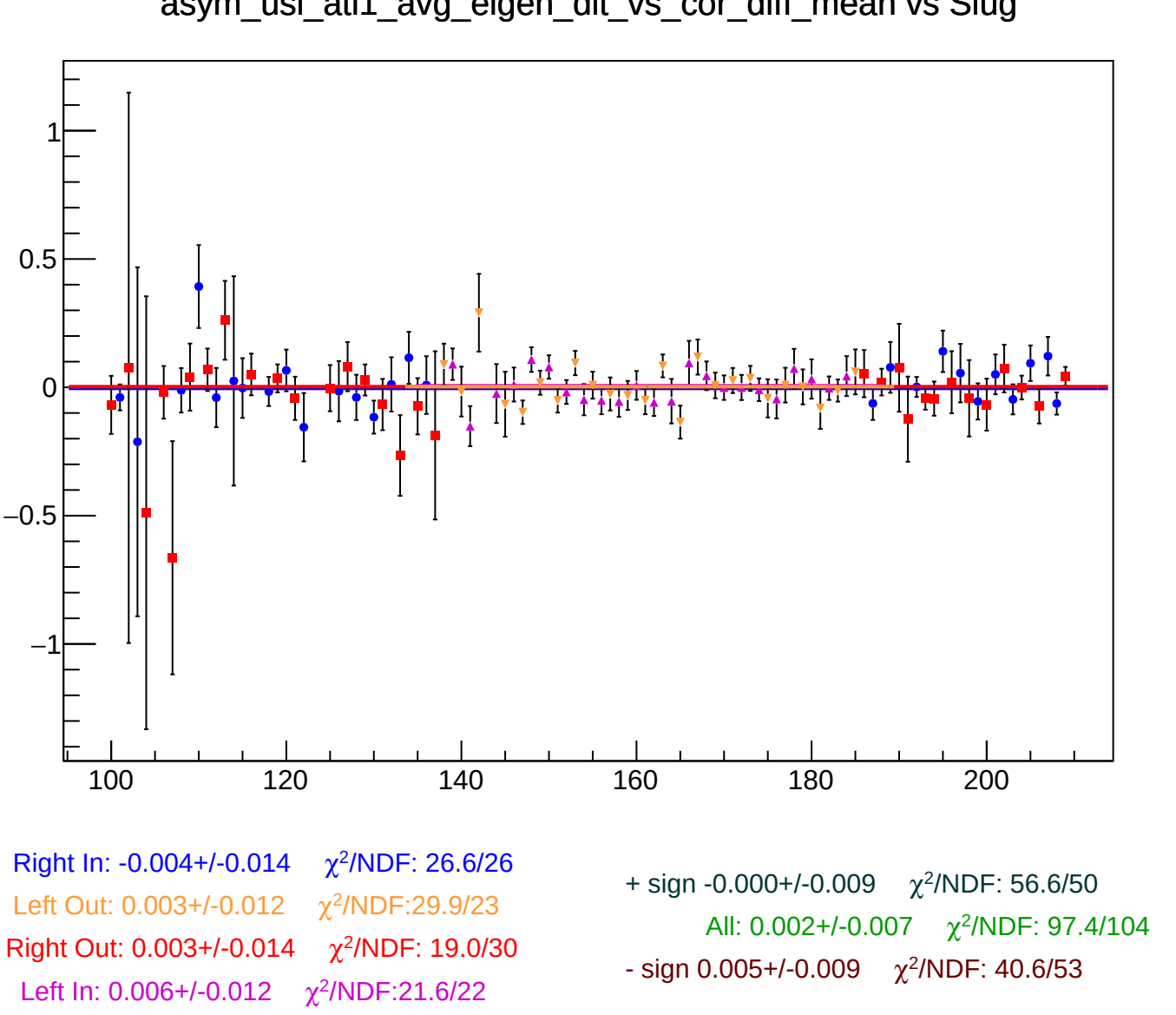
Right Out: 0.001+/-0.000 χ^2/NDF: 11258292.3/30

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

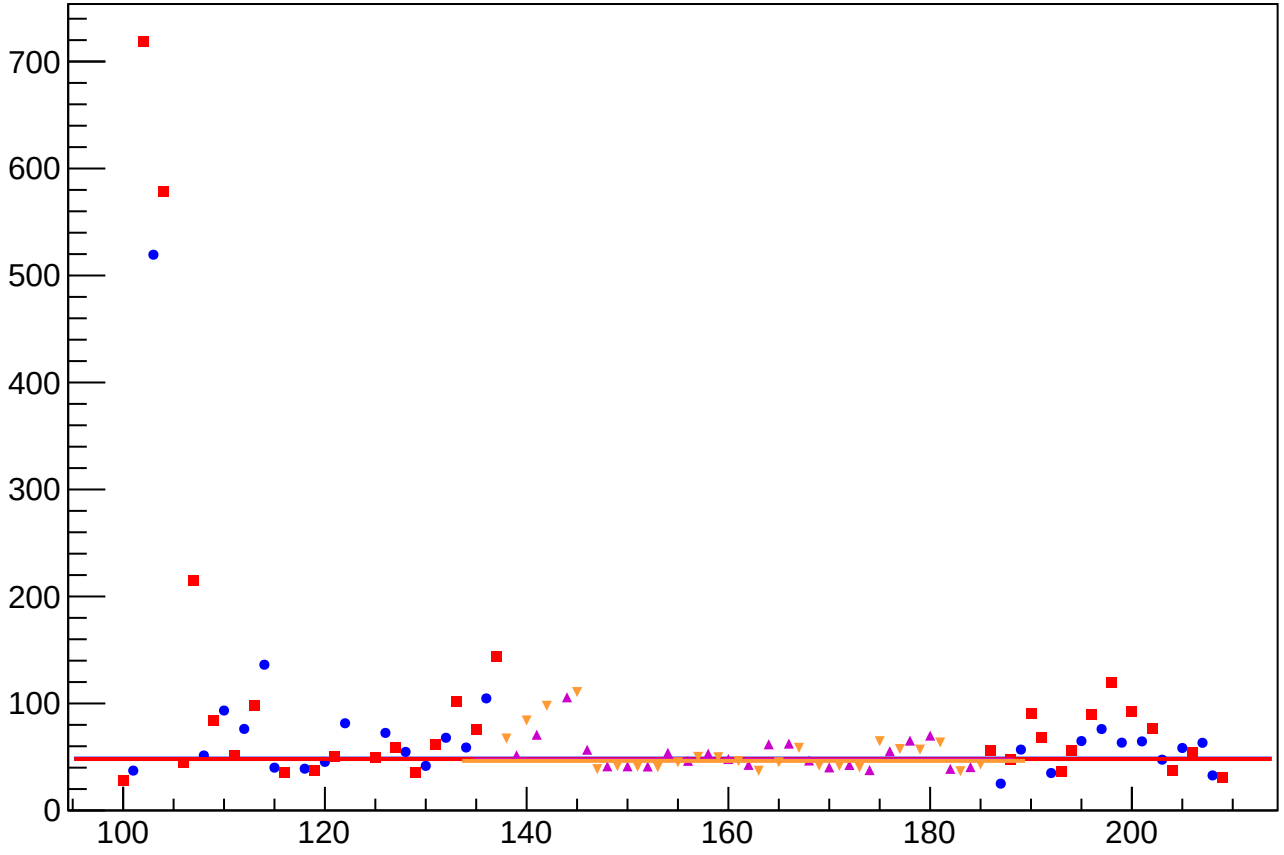
+ sign 0.001+/-0.000 χ^2/NDF: 25131839.5/50

All: 0.001+/-0.000 χ^2/NDF: 51756623.1/104

- sign 0.001+/-0.000 χ^2/NDF: 26624439.9/53


asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.004+/-0.014 χ²/NDF: 26.6/26
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: 0.003+/-0.014 χ²/NDF: 19.0/30
Left In: 0.006+/-0.012 χ²/NDF:21.6/22
+ sign -0.000+/-0.009 χ²/NDF: 56.6/50
All: 0.002+/-0.007 χ²/NDF: 97.4/104
- sign 0.005+/-0.009 χ²/NDF: 40.6/53

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

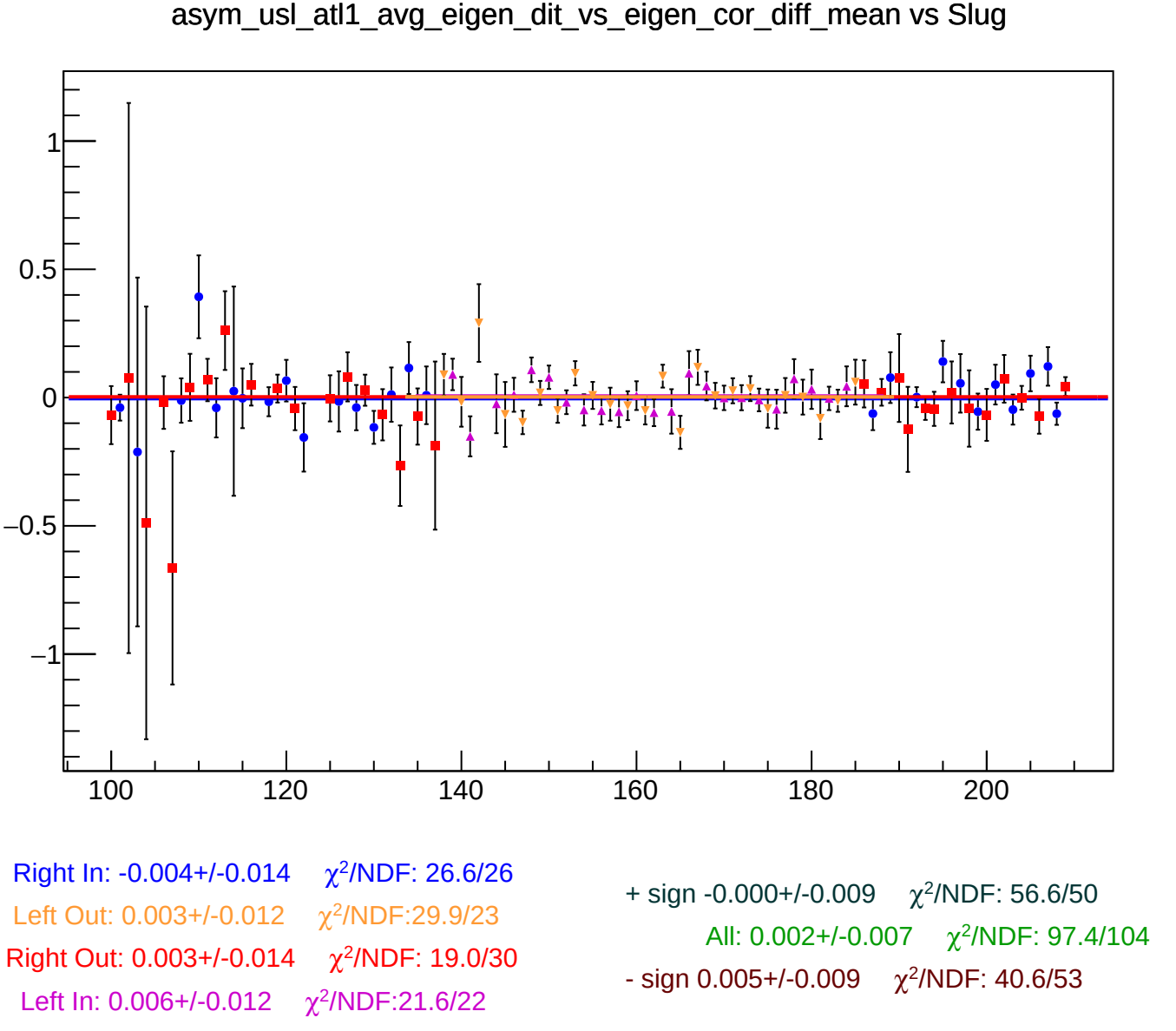
Right Out: 48.066+/-0.010 χ^2/NDF: 5276818.0/30

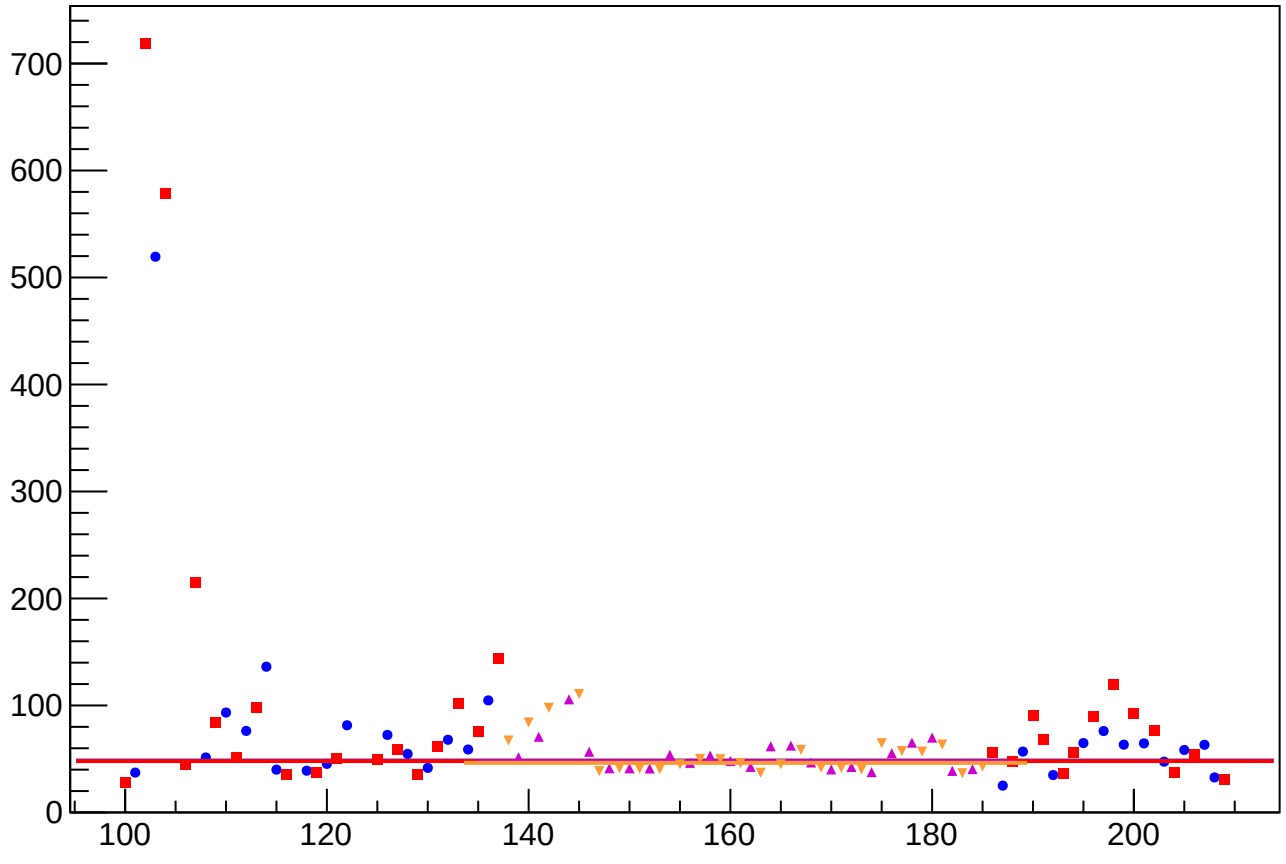
Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589213.0/50

All: 47.485+/-0.005 χ^2/NDF: 12447606.0/104

- sign 47.780+/-0.007 χ^2/NDF: 6854386.6/53


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.004+/-0.014 χ²/NDF: 26.6/26
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: 0.003+/-0.014 χ²/NDF: 19.0/30
Left In: 0.006+/-0.012 χ²/NDF:21.6/22
+ sign -0.000+/-0.009 χ²/NDF: 56.6/50
All: 0.002+/-0.007 χ²/NDF: 97.4/104
- sign 0.005+/-0.009 χ²/NDF: 40.6/53



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

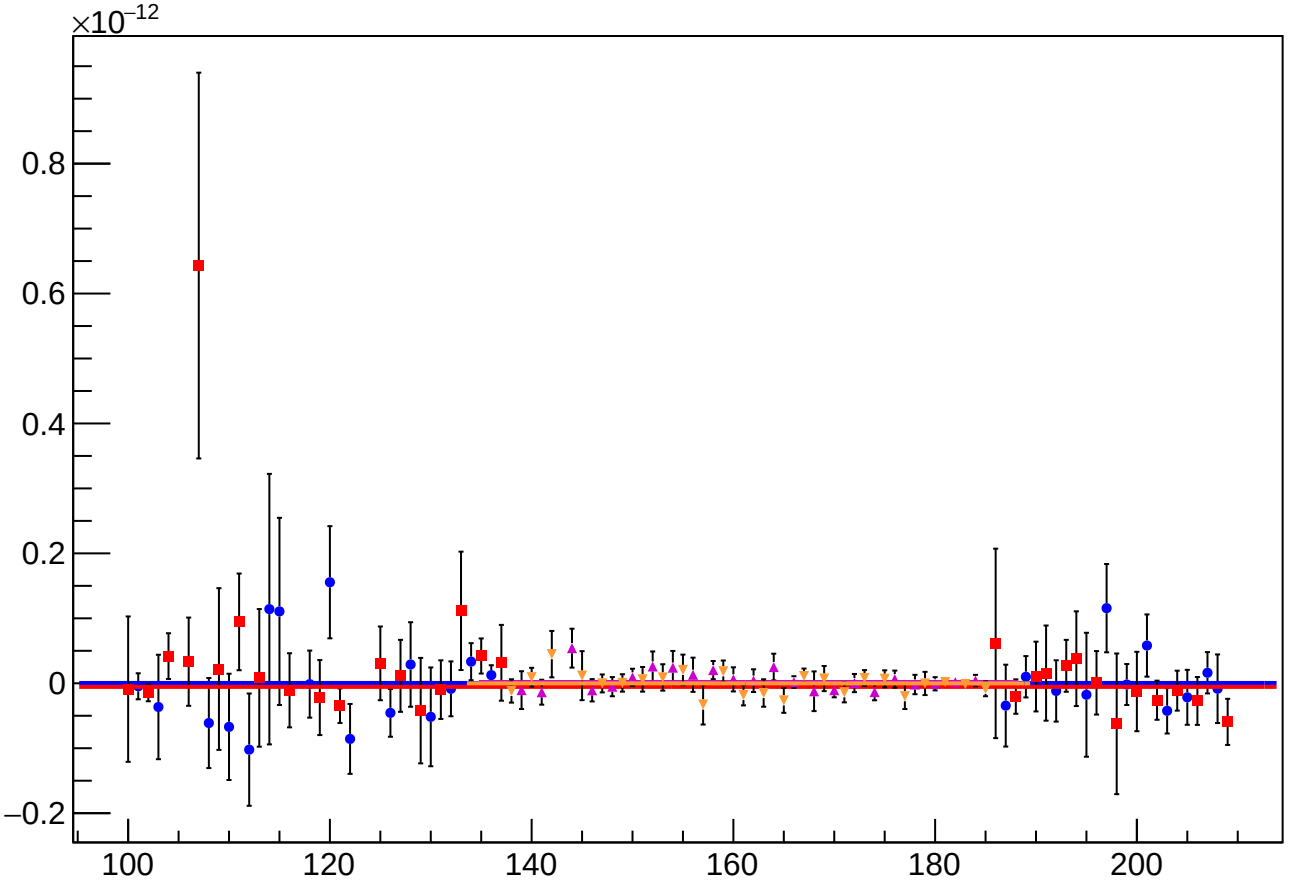
Right Out: 48.066+/-0.010 χ^2/NDF: 5276818.0/30

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.195+/-0.007 χ^2/NDF: 5589213.0/50

All: 47.485+/-0.005 χ^2/NDF: 12447606.0/104

- sign 47.780+/-0.007 χ^2/NDF: 6854386.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

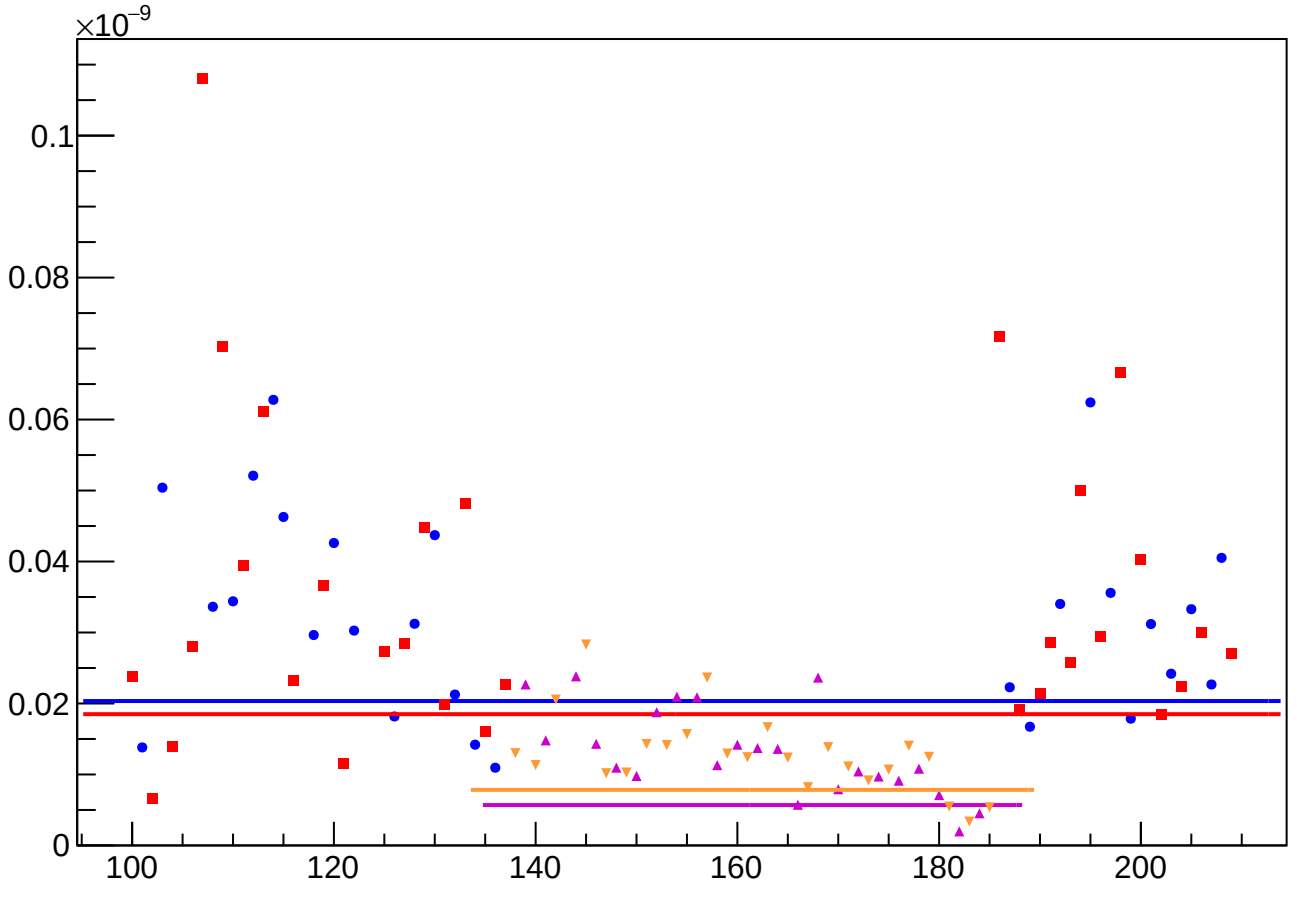
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/30

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.8/50

All: 0.000+/-0.000 χ^2/NDF: 70.9/104

- sign 0.000+/-0.000 χ^2/NDF: 36.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 3731675.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5513292.3/30

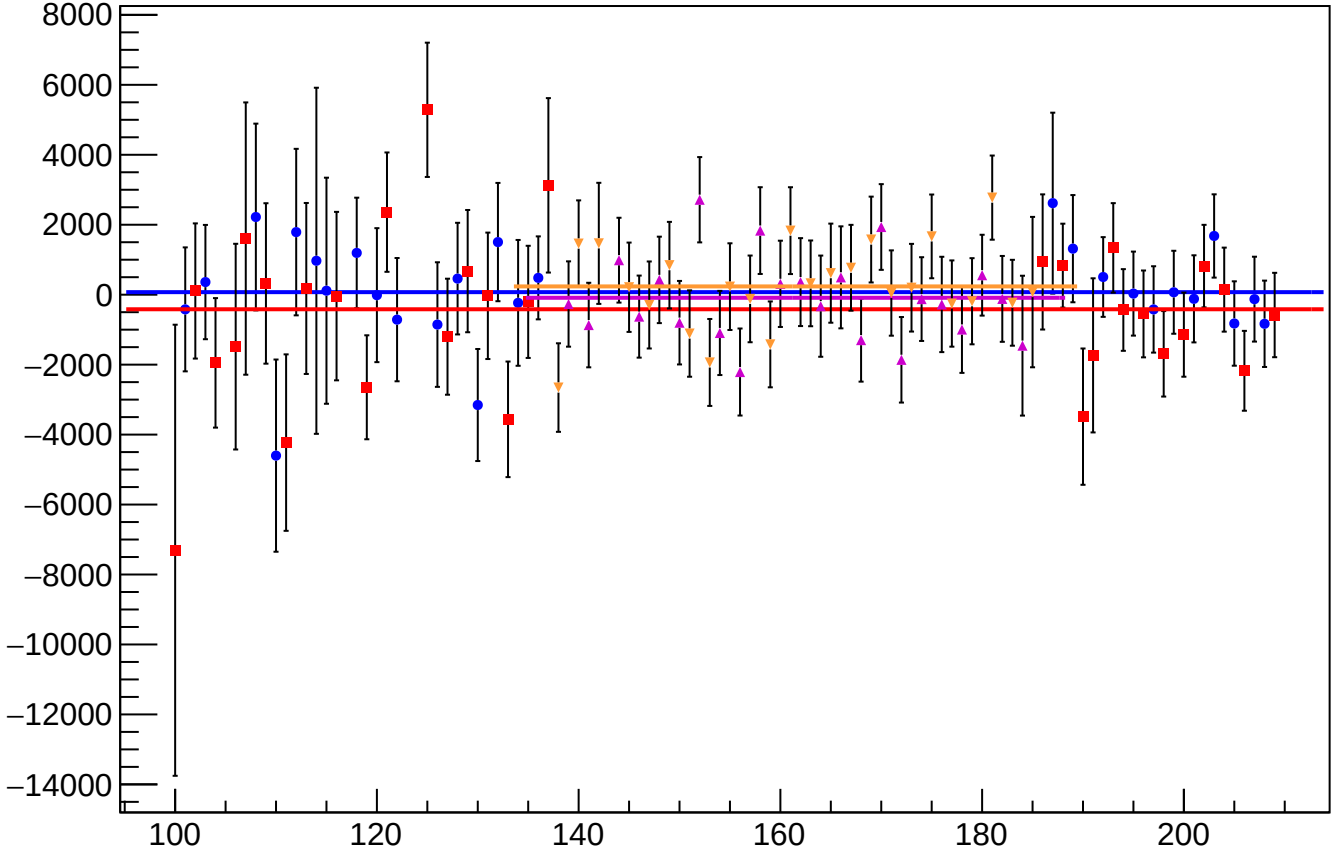
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15075588.9/50

All: 0.000+/-0.000 χ^2/NDF: 38859845.4/104

- sign 0.000+/-0.000 χ^2/NDF: 22657864.5/53

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 72.656+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -416.654+/-287.642 χ^2/NDF: 36.3/30

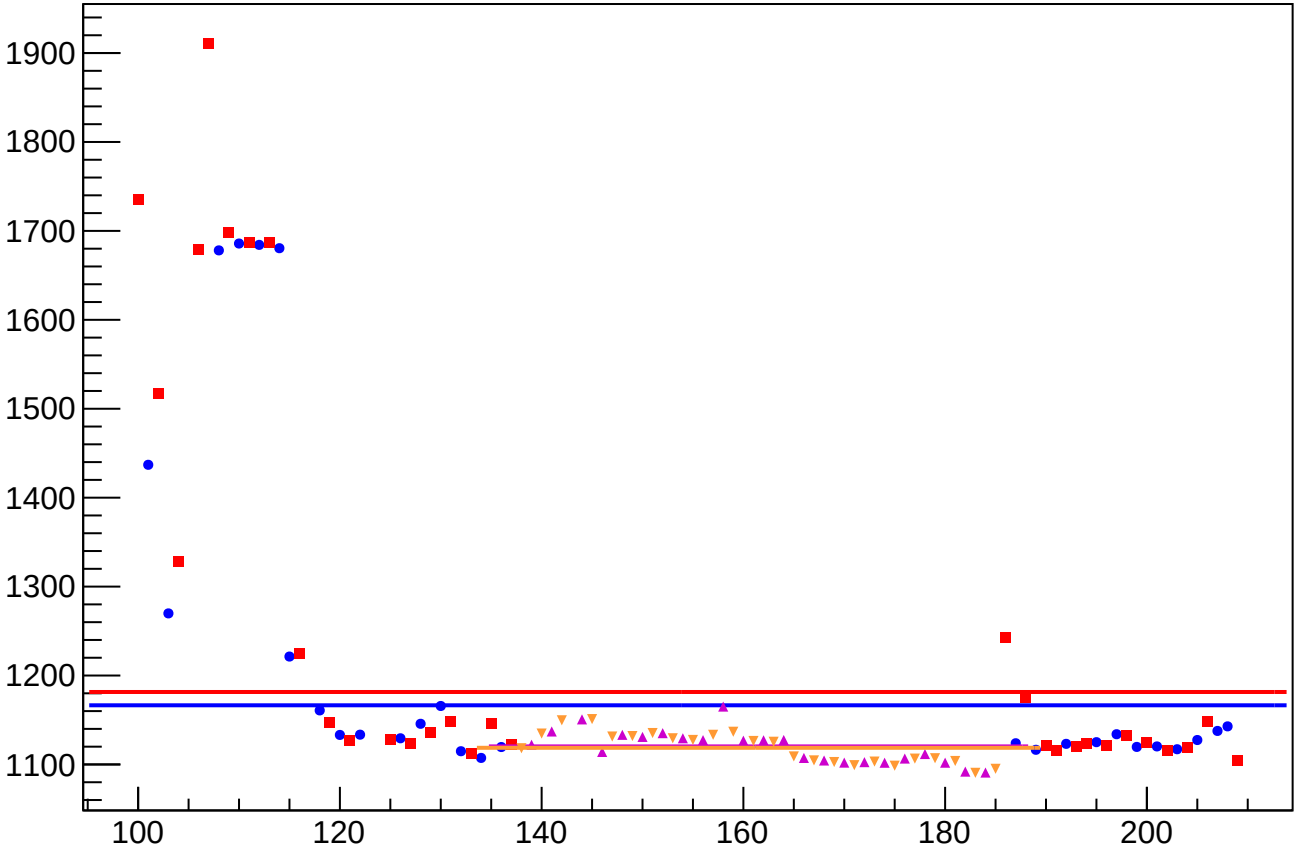
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 164.924+/-194.803 χ^2/NDF: 38.0/50

All: -37.347+/-137.296 χ^2/NDF: 98.0/104

- sign -236.988+/-193.533 χ^2/NDF: 57.9/53

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.8/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1181.492+/-0.203 χ^2/NDF: 546602.5/30

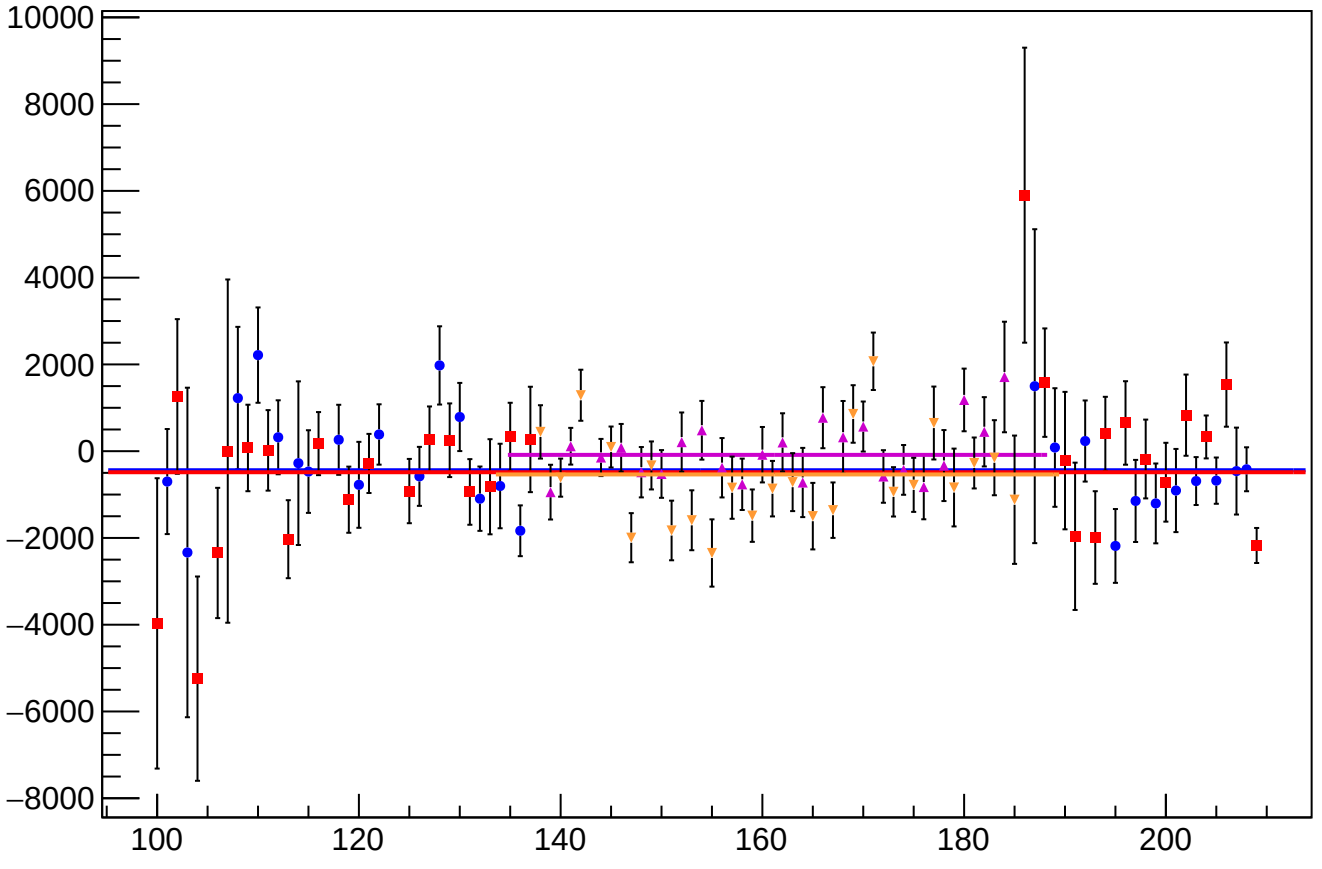
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.630+/-0.138 χ^2/NDF: 386428.2/50

All: 1143.846+/-0.097 χ^2/NDF: 993897.0/104

- sign 1148.006+/-0.137 χ^2/NDF: 605607.9/53

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -439.390+/-161.483 χ^2/NDF: 33.6/26

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -485.166+/-158.663 χ^2/NDF: 55.0/30

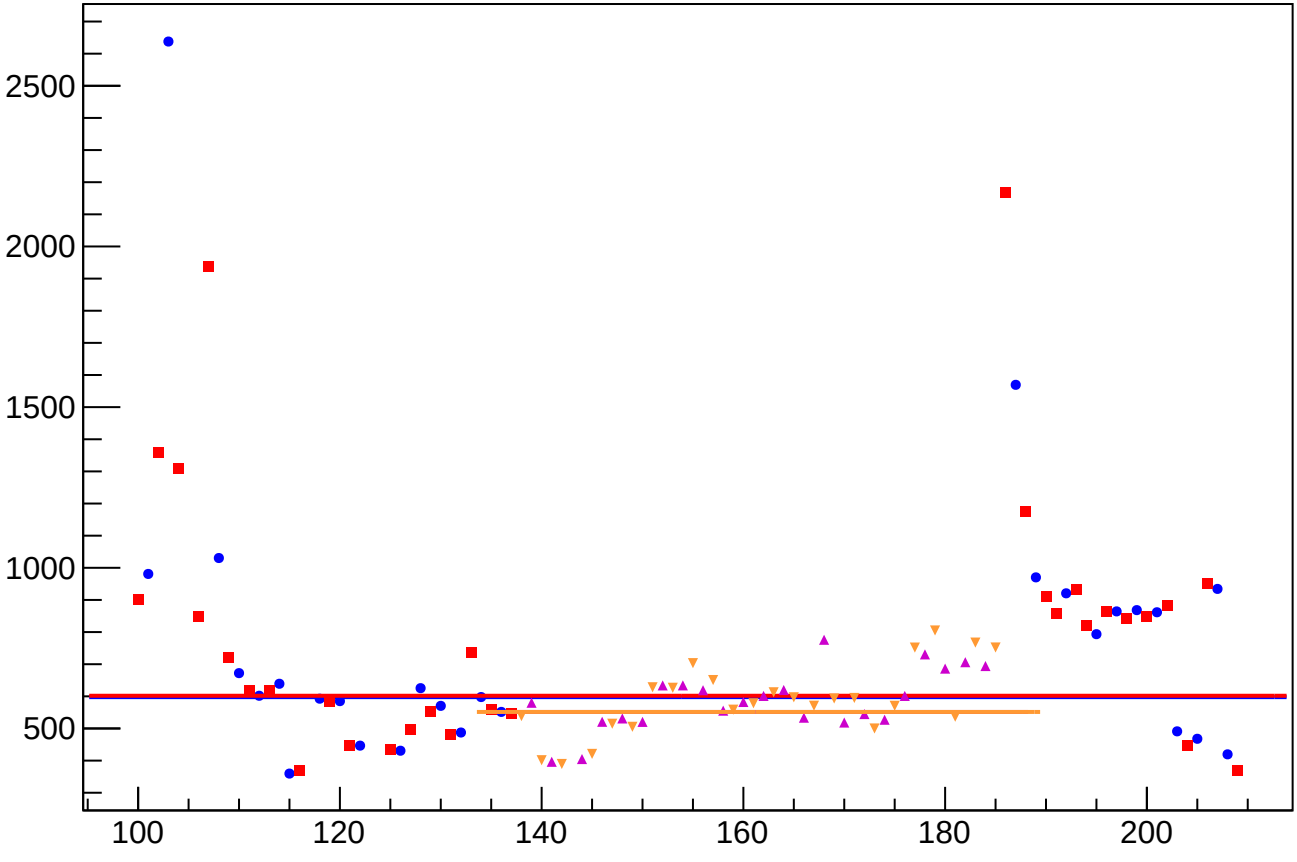
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -497.720+/-101.568 χ^2/NDF: 95.3/50

All: -371.817+/-71.618 χ^2/NDF: 174.3/104

- sign -247.313+/-101.002 χ^2/NDF: 75.9/53

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 597.538+/-0.114 χ^2/NDF: 3114920.2/26

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 601.815+/-0.112 χ^2/NDF: 4444424.4/30

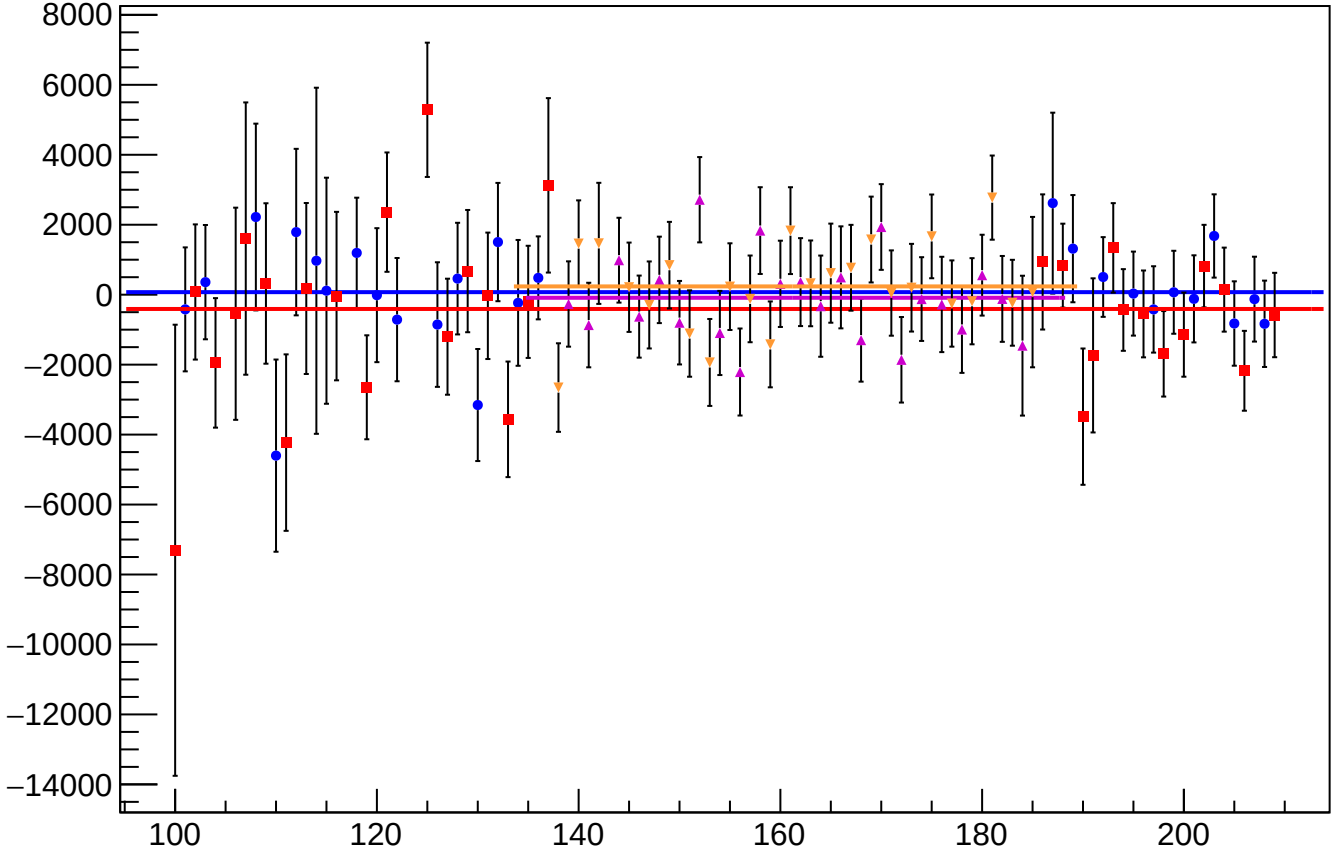
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 569.677+/-0.072 χ^2/NDF: 4440043.3/50

All: 570.740+/-0.051 χ^2/NDF: 10067071.5/10

- sign 571.792+/-0.071 χ^2/NDF: 5626592.1/53

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -408.237+/-287.725 χ^2/NDF: 36.1/30

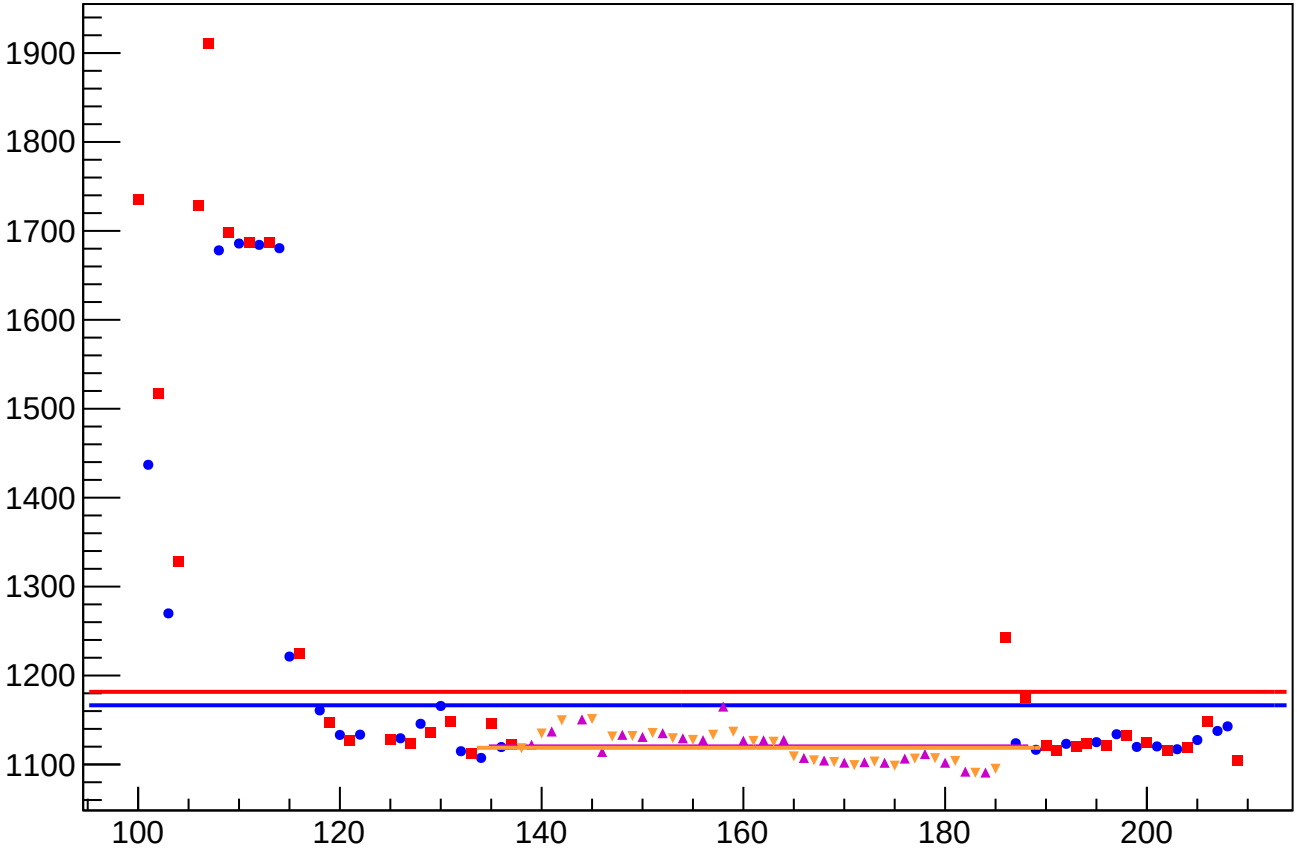
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 164.880+/-194.804 χ^2/NDF: 38.0/50

All: -35.399+/-137.305 χ^2/NDF: 97.8/104

- sign -233.127+/-193.559 χ^2/NDF: 57.7/53

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1181.657+/-0.203 χ^2/NDF: 554521.0/30

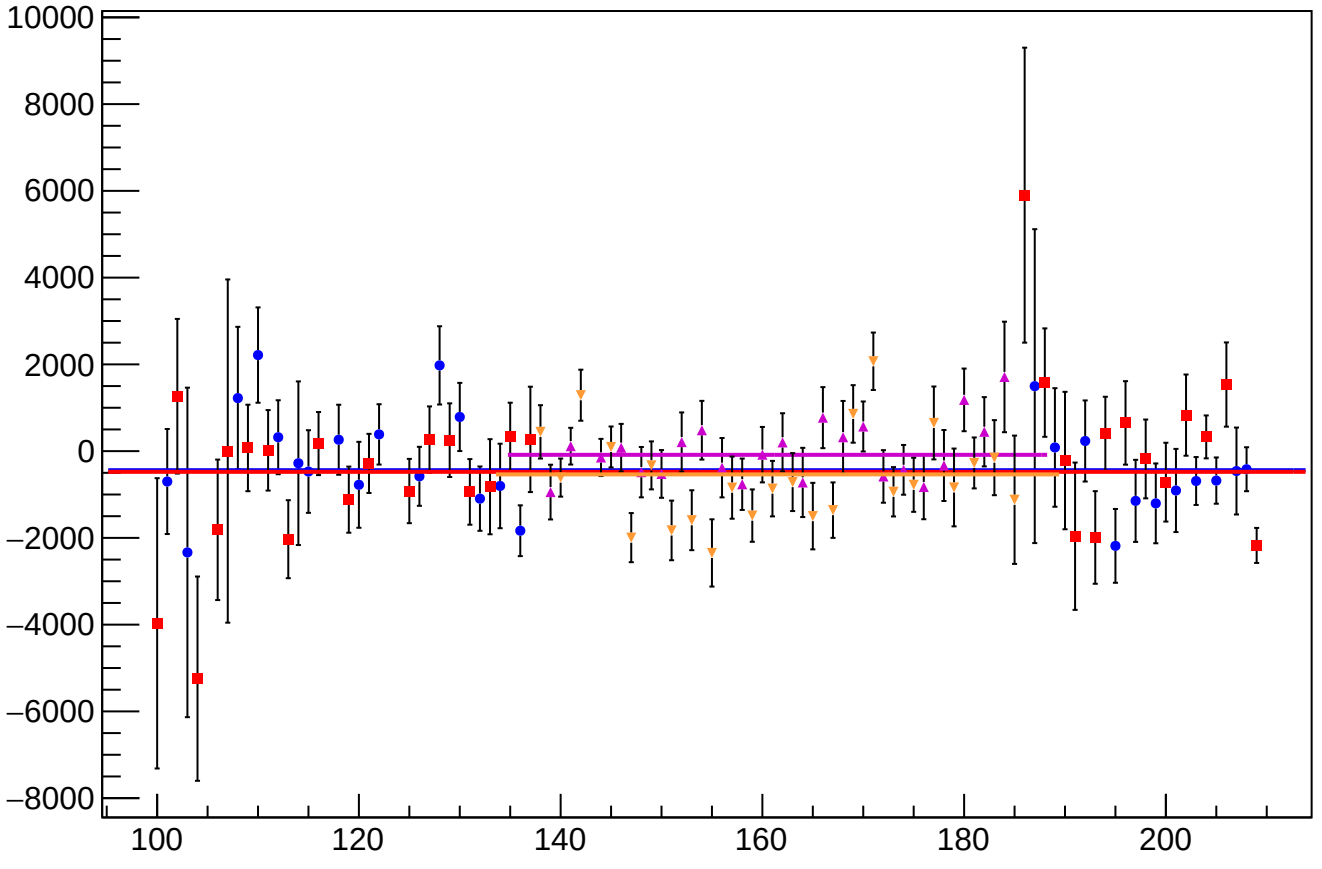
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.630+/-0.138 χ^2/NDF: 386428.3/50

All: 1143.878+/-0.097 χ^2/NDF: 1002095.2/10

- sign 1148.072+/-0.137 χ^2/NDF: 613777.0/53

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -477.140+/-158.786 χ^2/NDF: 54.2/30

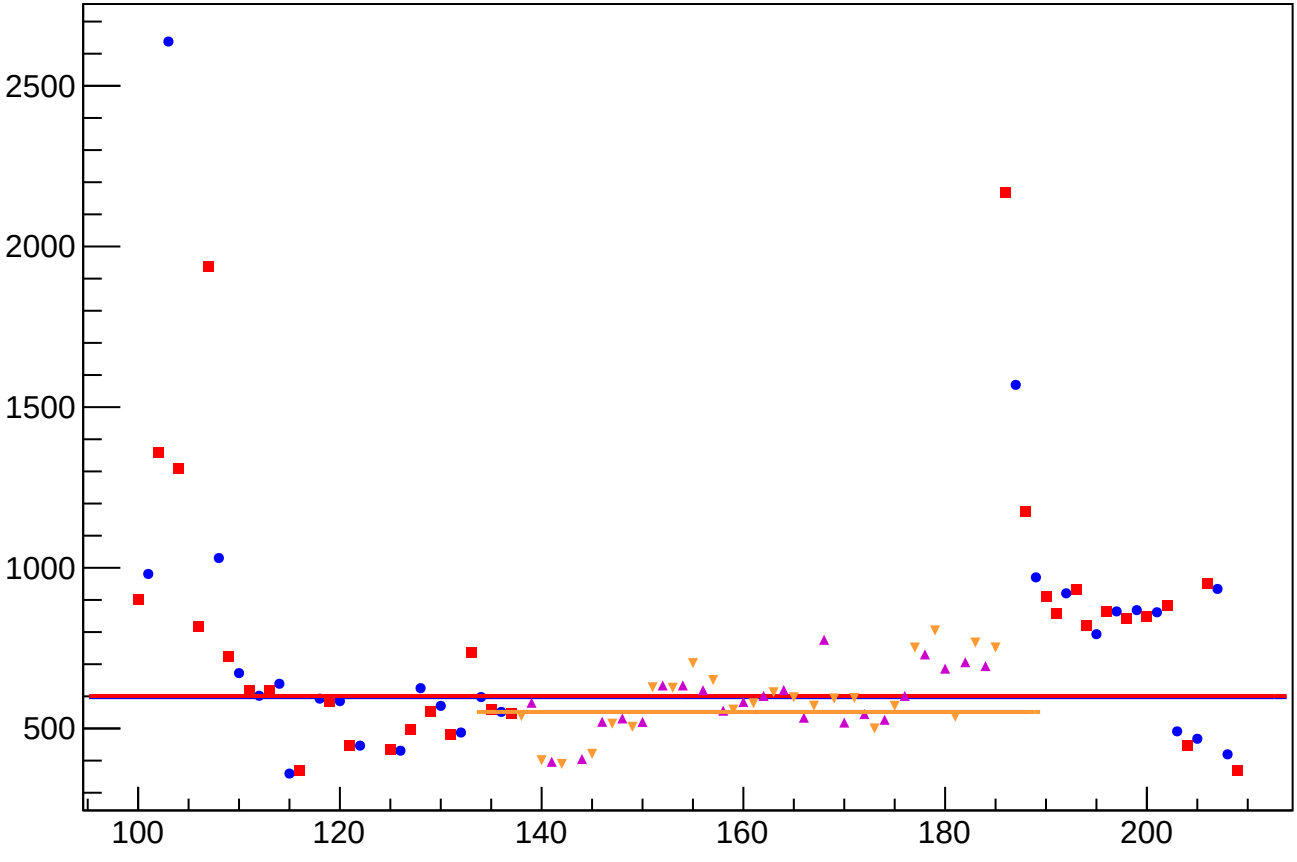
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -497.729+/-101.568 χ^2/NDF: 95.3/50

All: -370.149+/-71.630 χ^2/NDF: 173.4/104

- sign -243.907+/-101.034 χ^2/NDF: 74.9/53

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 601.125+/-0.112 χ^2/NDF: 4426357.6/30

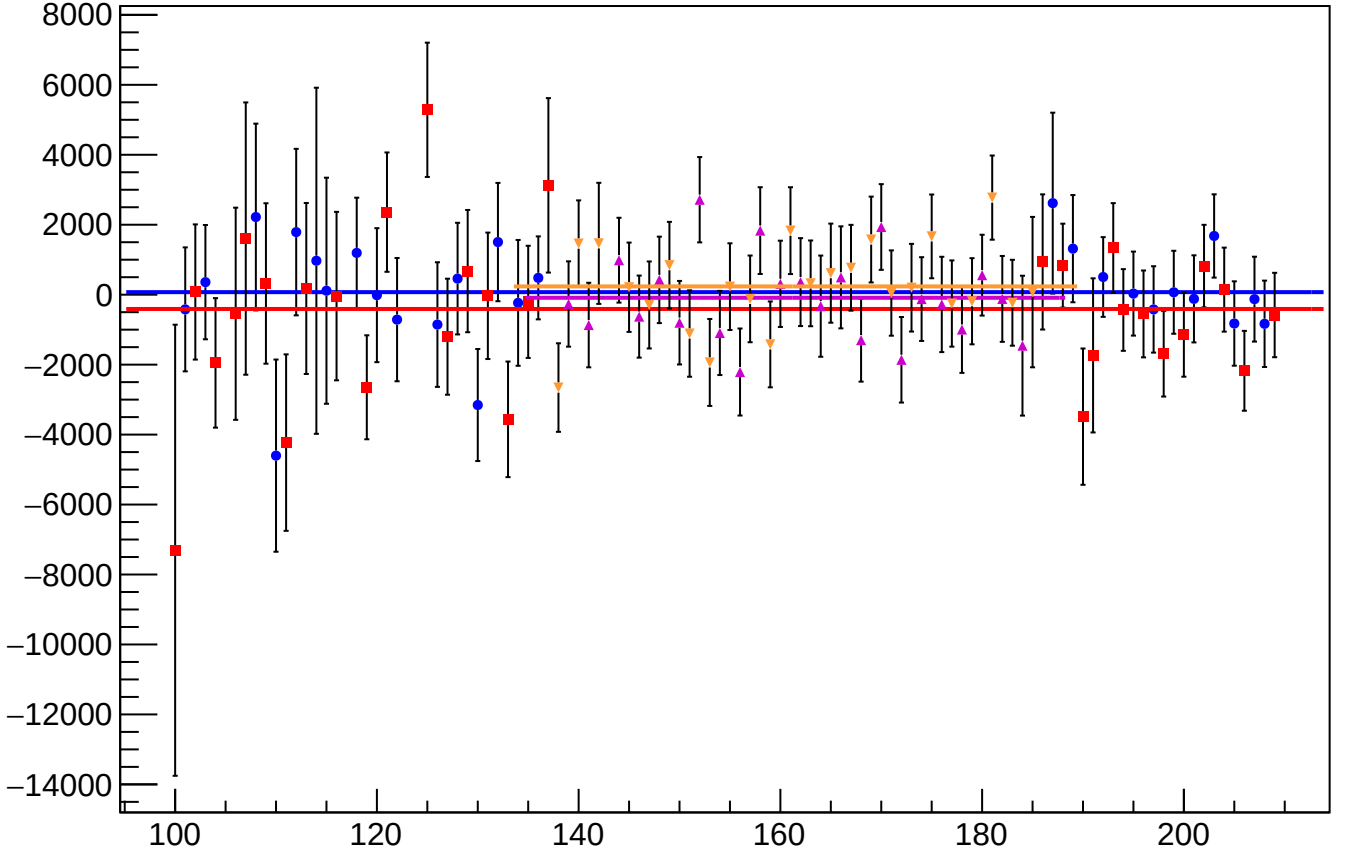
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 569.675+/-0.072 χ^2/NDF: 4440041.9/50

All: 570.589+/-0.051 χ^2/NDF: 10045484.6/10

- sign 571.493+/-0.071 χ^2/NDF: 5605120.6/53

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -408.237+/-287.725 χ^2/NDF: 36.1/30

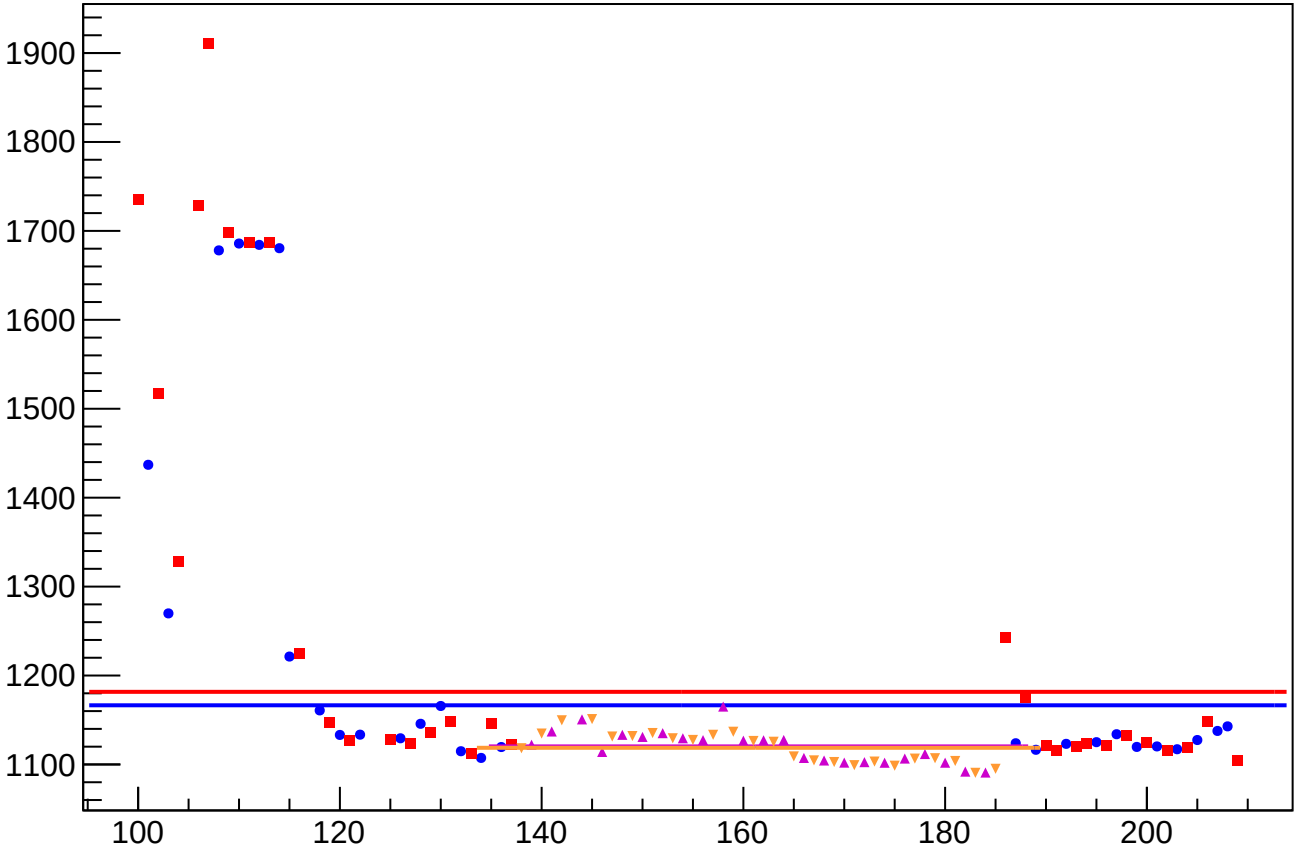
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 164.880+/-194.804 χ^2/NDF: 38.0/50

All: -35.399+/-137.305 χ^2/NDF: 97.8/104

- sign -233.127+/-193.559 χ^2/NDF: 57.7/53

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

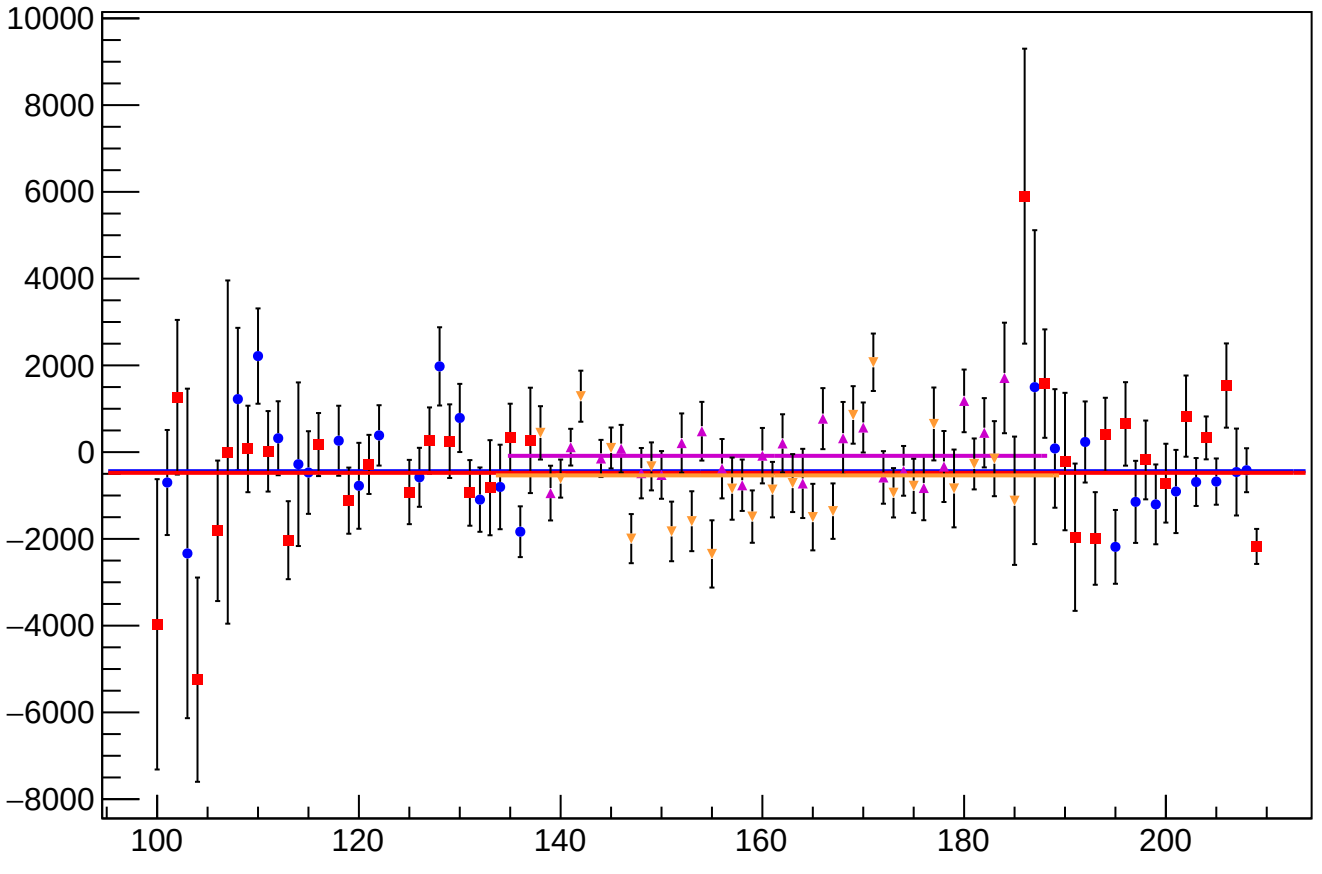
Right Out: 1181.657+/-0.203 χ^2/NDF: 554521.0/30

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.630+/-0.138 χ^2/NDF: 386428.3/50

All: 1143.878+/-0.097 χ^2/NDF: 1002095.2/10

- sign 1148.072+/-0.137 χ^2/NDF: 613777.0/53



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -477.140+/-158.786 χ^2/NDF: 54.2/30

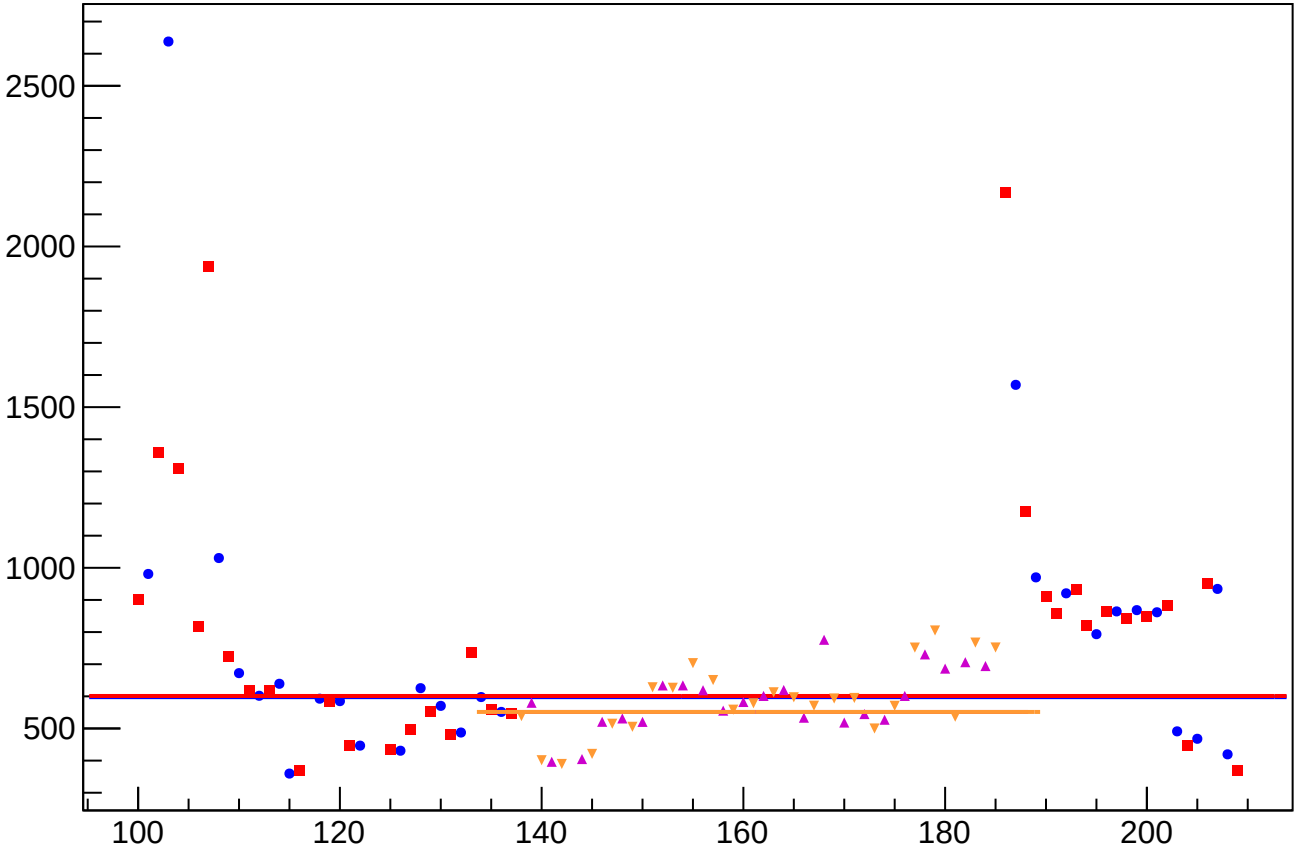
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -497.729+/-101.568 χ^2/NDF: 95.3/50

All: -370.149+/-71.630 χ^2/NDF: 173.4/104

- sign -243.907+/-101.034 χ^2/NDF: 74.9/53

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 601.125+/-0.112 χ^2/NDF: 4426357.6/30

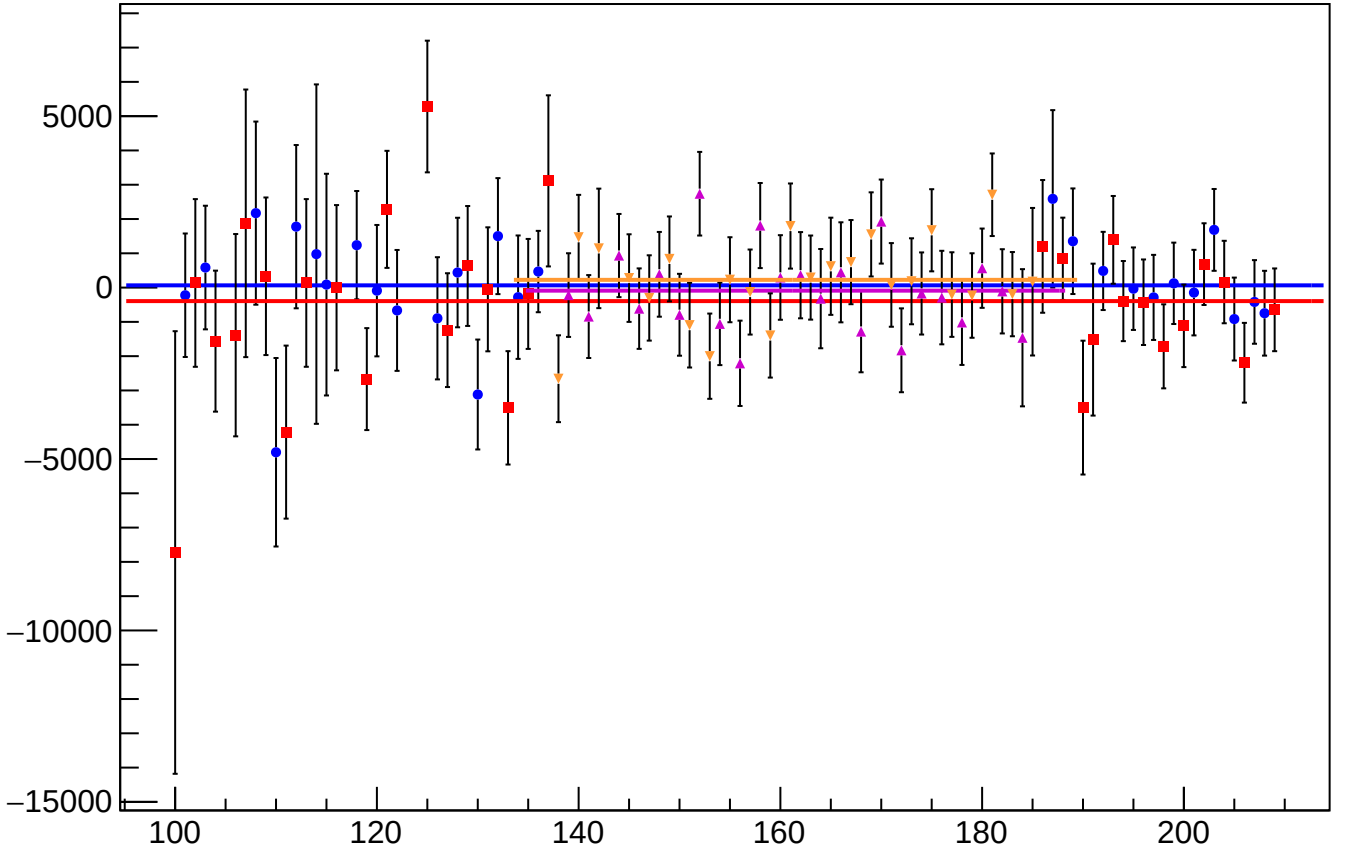
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 569.675+/-0.072 χ^2/NDF: 4440041.9/50

All: 570.589+/-0.051 χ^2/NDF: 10045484.6/10

- sign 571.493+/-0.071 χ^2/NDF: 5605120.6/53

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 65.392+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -394.045+/-290.337 χ^2/NDF: 35.7/30

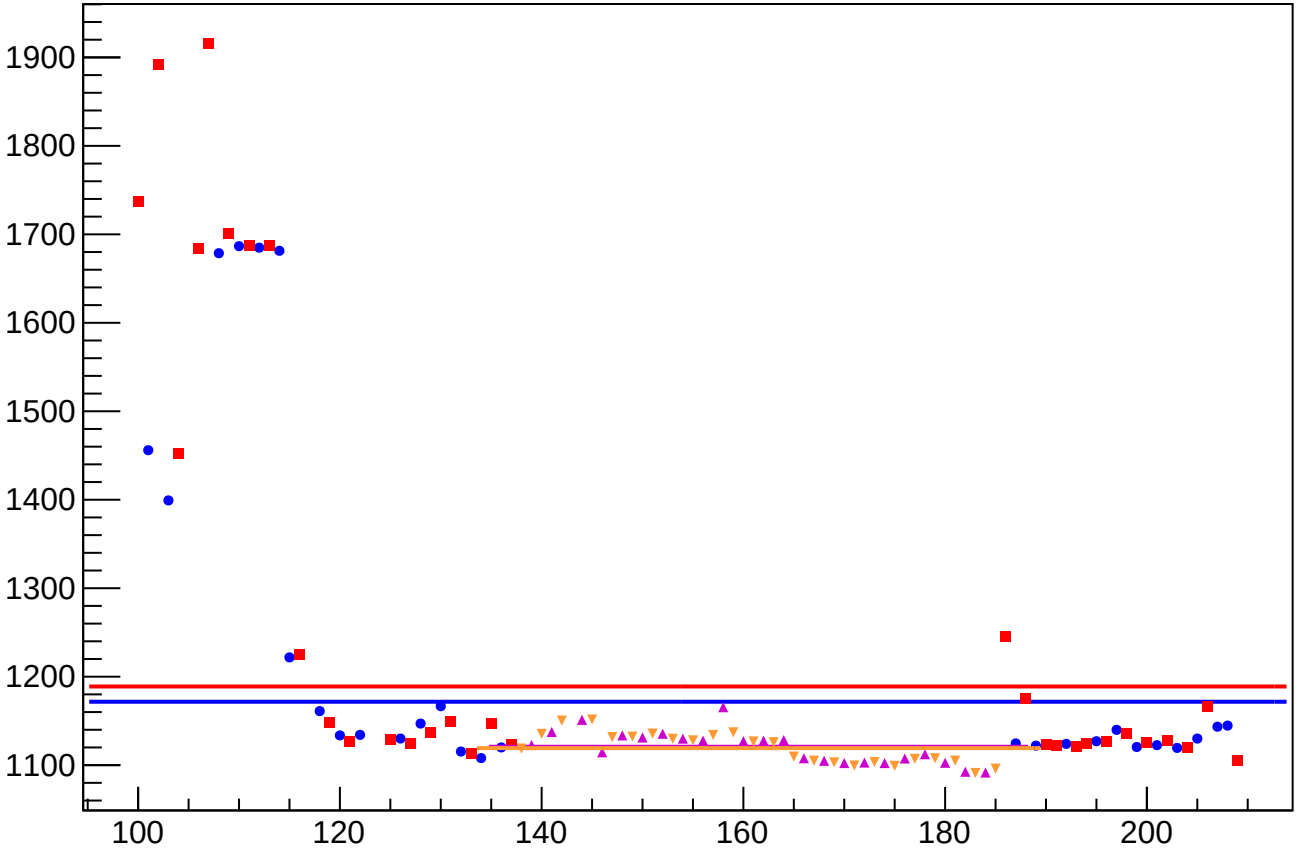
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 155.940+/-195.299 χ^2/NDF: 37.7/50

All: -35.813+/-137.776 χ^2/NDF: 96.5/104

- sign -225.794+/-194.395 χ^2/NDF: 56.9/53

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.6/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1188.936+/-0.205 χ^2/NDF: 672721.3/30

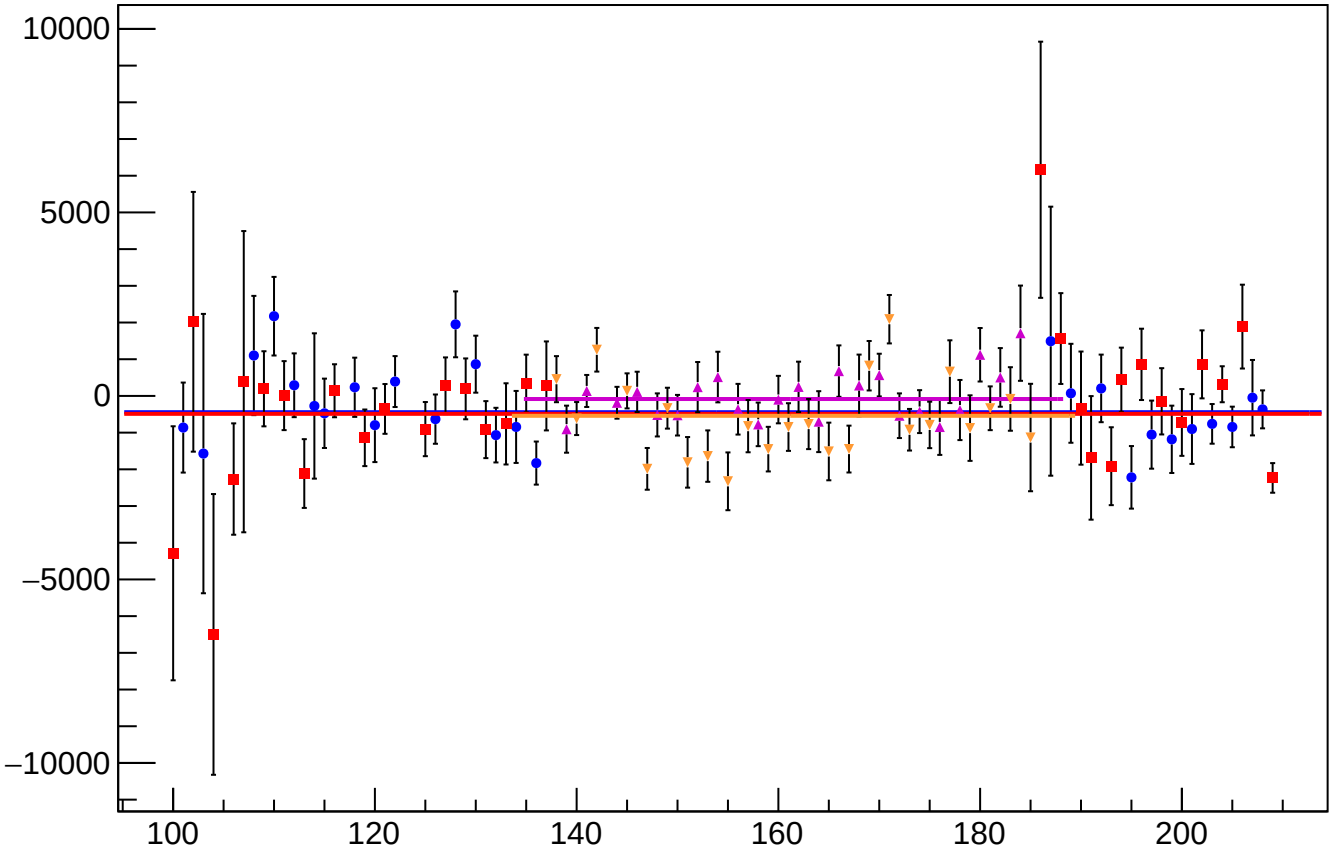
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.061+/-0.138 χ^2/NDF: 419359.4/50

All: 1146.725+/-0.097 χ^2/NDF: 1164546.8/10

- sign 1151.345+/-0.137 χ^2/NDF: 742917.2/53

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -487.823+/-160.321 χ^2/NDF: 54.5/30

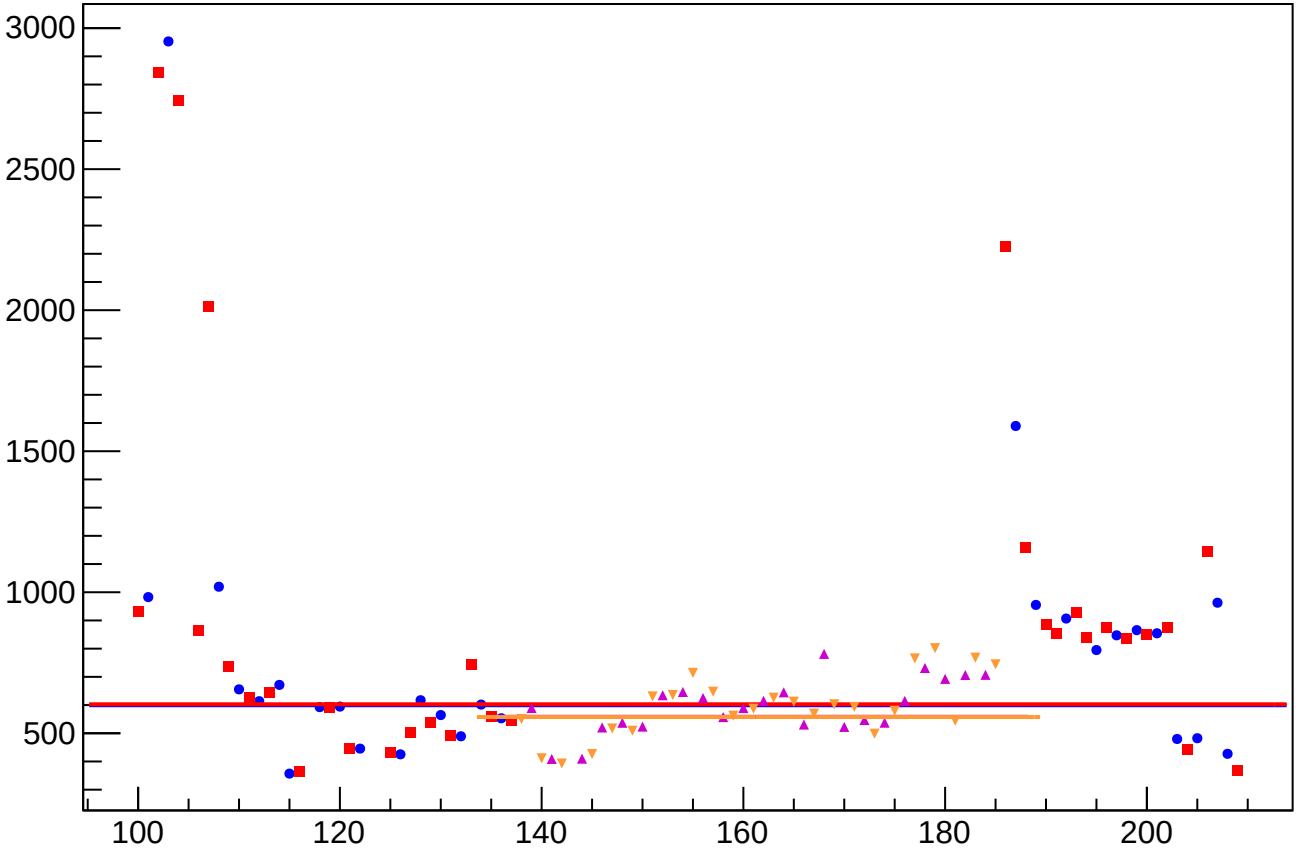
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -502.473+/-102.301 χ^2/NDF: 95.3/50

All: -375.070+/-72.286 χ^2/NDF: 173.1/104

- sign -248.030+/-102.155 χ^2/NDF: 74.7/53

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 599.420+/-0.114 χ^2/NDF: 3256557.9/26

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 602.780+/-0.113 χ^2/NDF: 5566648.5/30

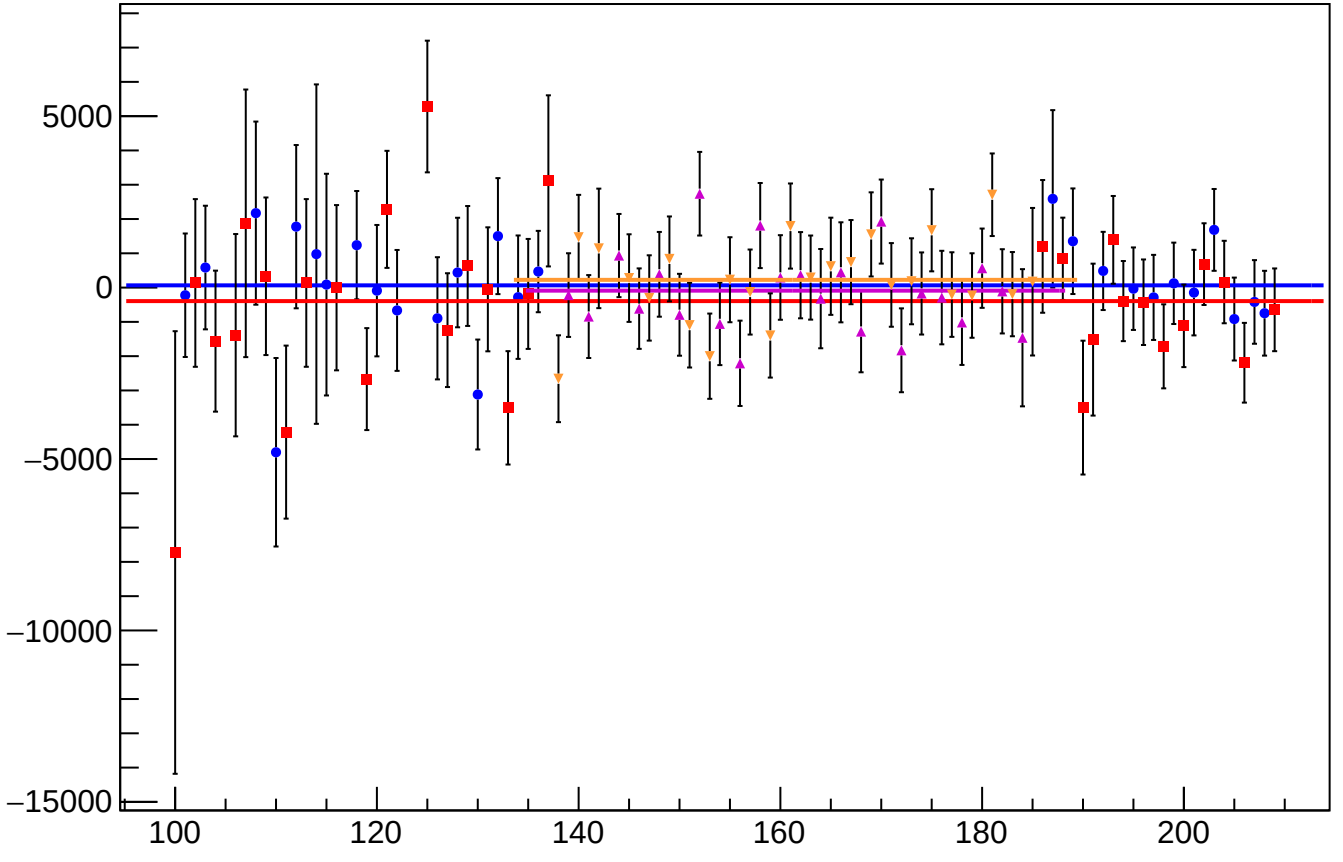
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 574.301+/-0.072 χ^2/NDF: 4530038.6/50

All: 575.359+/-0.051 χ^2/NDF: 11215990.8/10

- sign 576.415+/-0.072 χ^2/NDF: 6685524.6/53

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 65.394+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -394.045+/-290.337 χ^2/NDF: 35.7/30

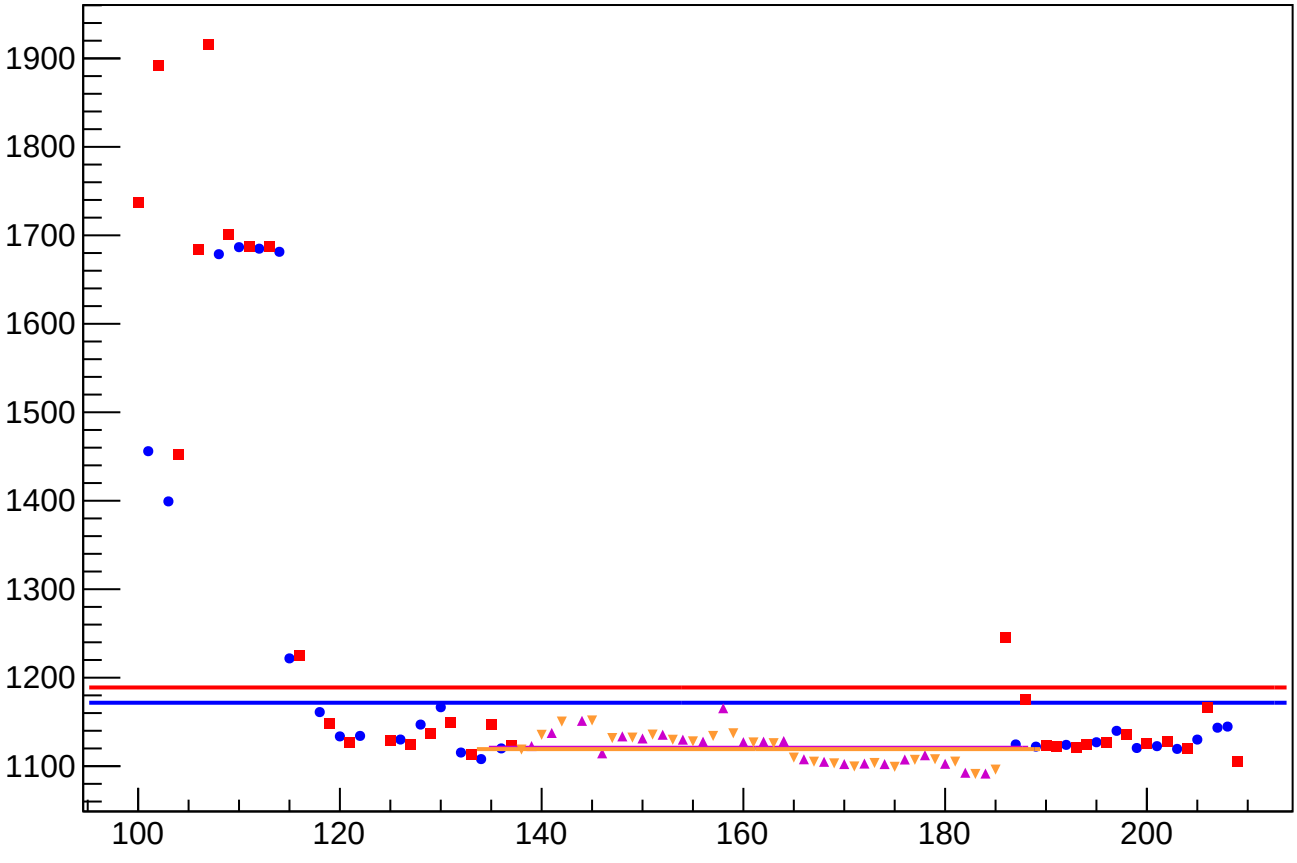
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 155.940+/-195.299 χ^2/NDF: 37.7/50

All: -35.813+/-137.776 χ^2/NDF: 96.5/104

- sign -225.794+/-194.395 χ^2/NDF: 56.9/53

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.1/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

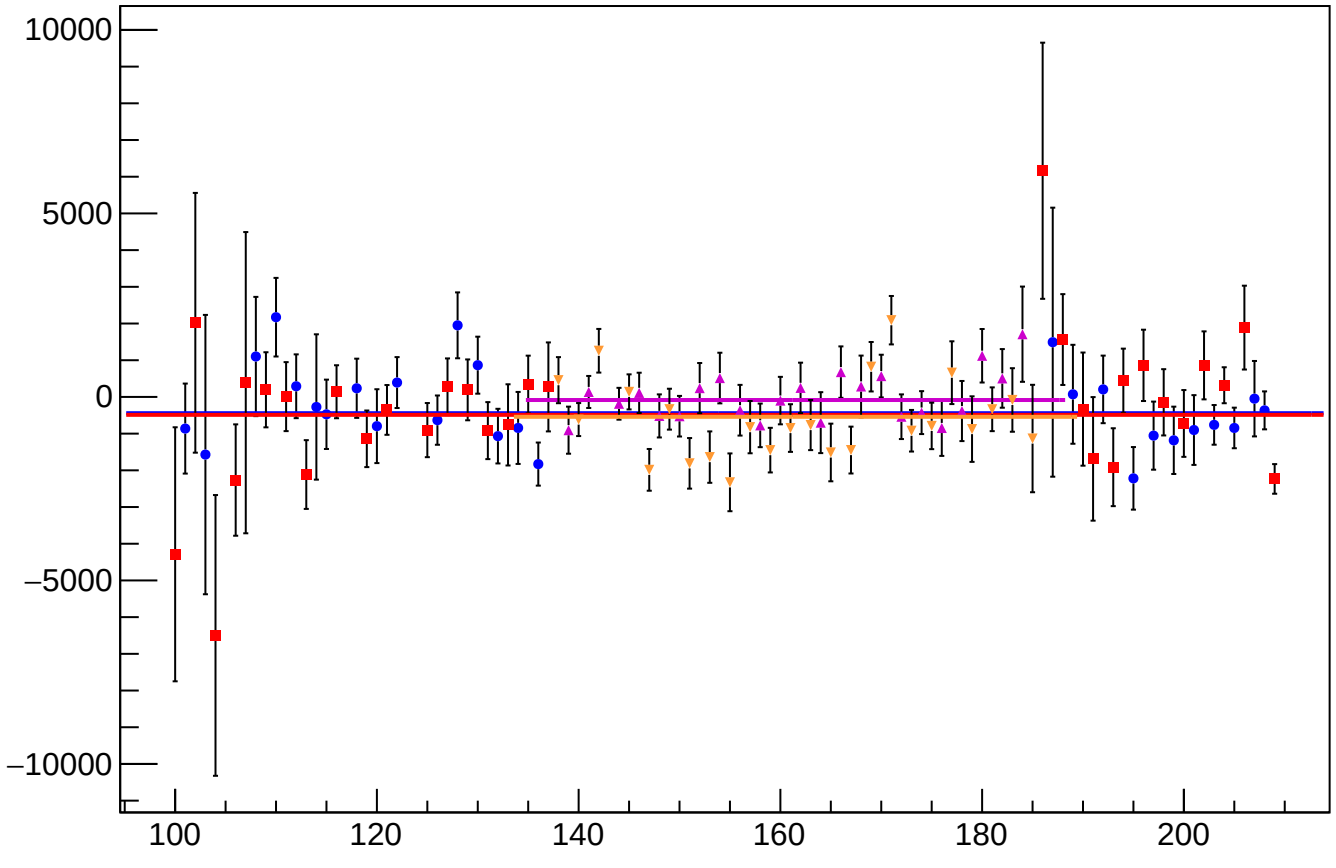
Right Out: 1188.936+/-0.205 χ^2/NDF: 672720.6/30

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1142.061+/-0.138 χ^2/NDF: 419358.8/50

All: 1146.725+/-0.097 χ^2/NDF: 1164545.6/10

- sign 1151.345+/-0.137 χ^2/NDF: 742916.4/53



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -487.824+/-160.321 χ^2/NDF: 54.5/30

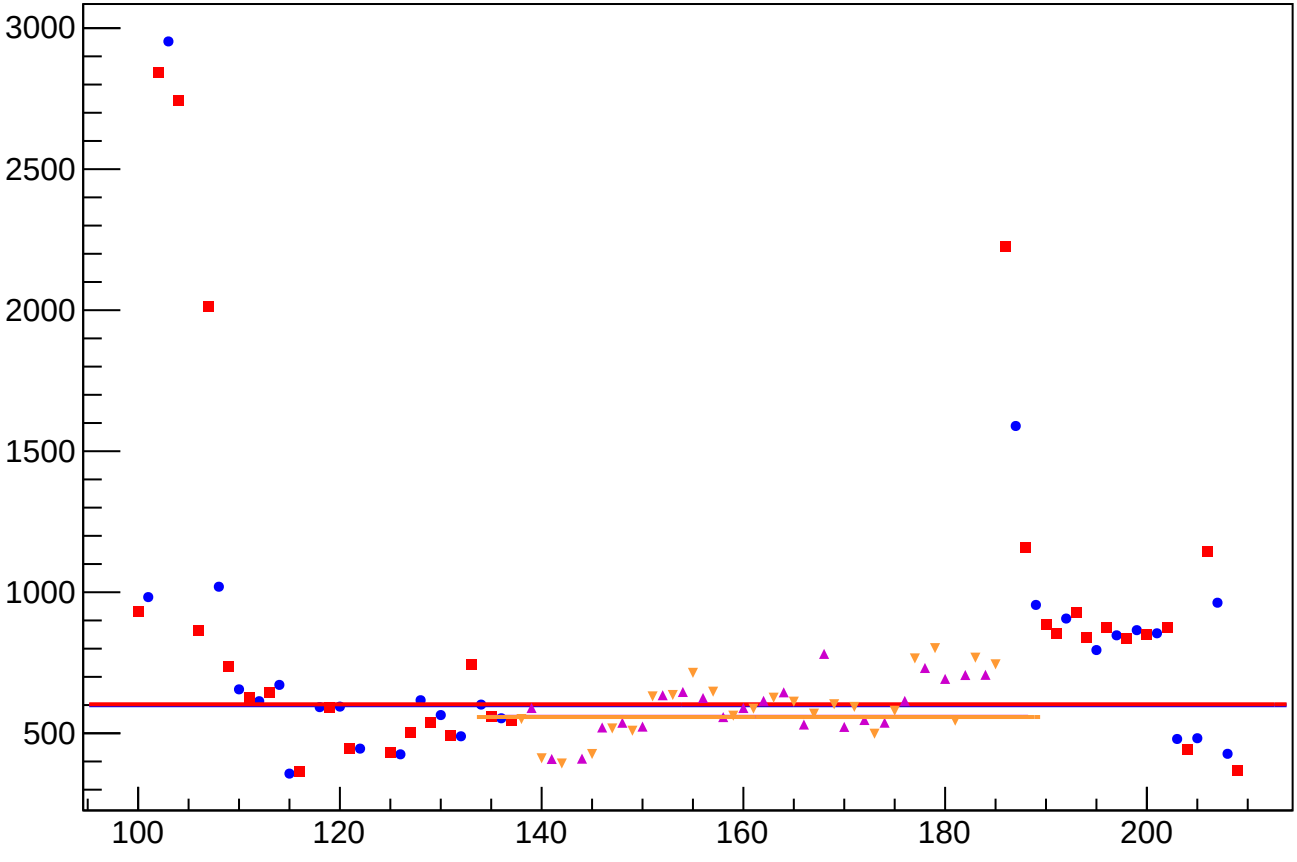
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -502.473+/-102.301 χ^2/NDF: 95.3/50

All: -375.070+/-72.286 χ^2/NDF: 173.1/104

- sign -248.030+/-102.155 χ^2/NDF: 74.7/53

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 599.420+/-0.114 χ^2/NDF: 3256558.5/26

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 602.780+/-0.113 χ^2/NDF: 5566655.2/30

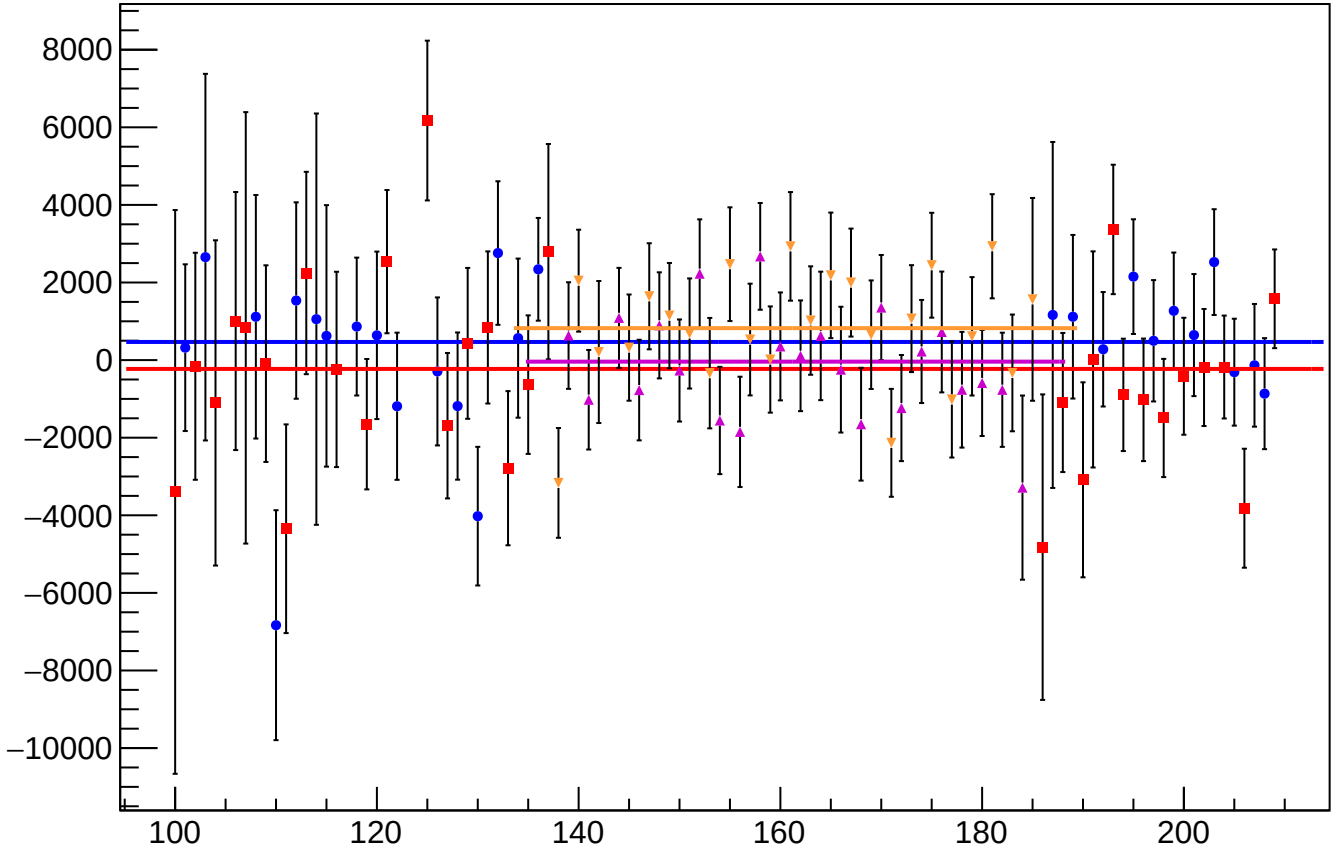
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 574.300+/-0.072 χ^2/NDF: 4530061.8/50

All: 575.359+/-0.051 χ^2/NDF: 11216036.7/10

- sign 576.414+/-0.072 χ^2/NDF: 6685547.2/53

asym_usl_atl1_dd_mean vs Slug



Right In: 467.769+/-355.029 χ^2/NDF: 23.5/26

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -227.429+/-350.795 χ^2/NDF: 36.4/30

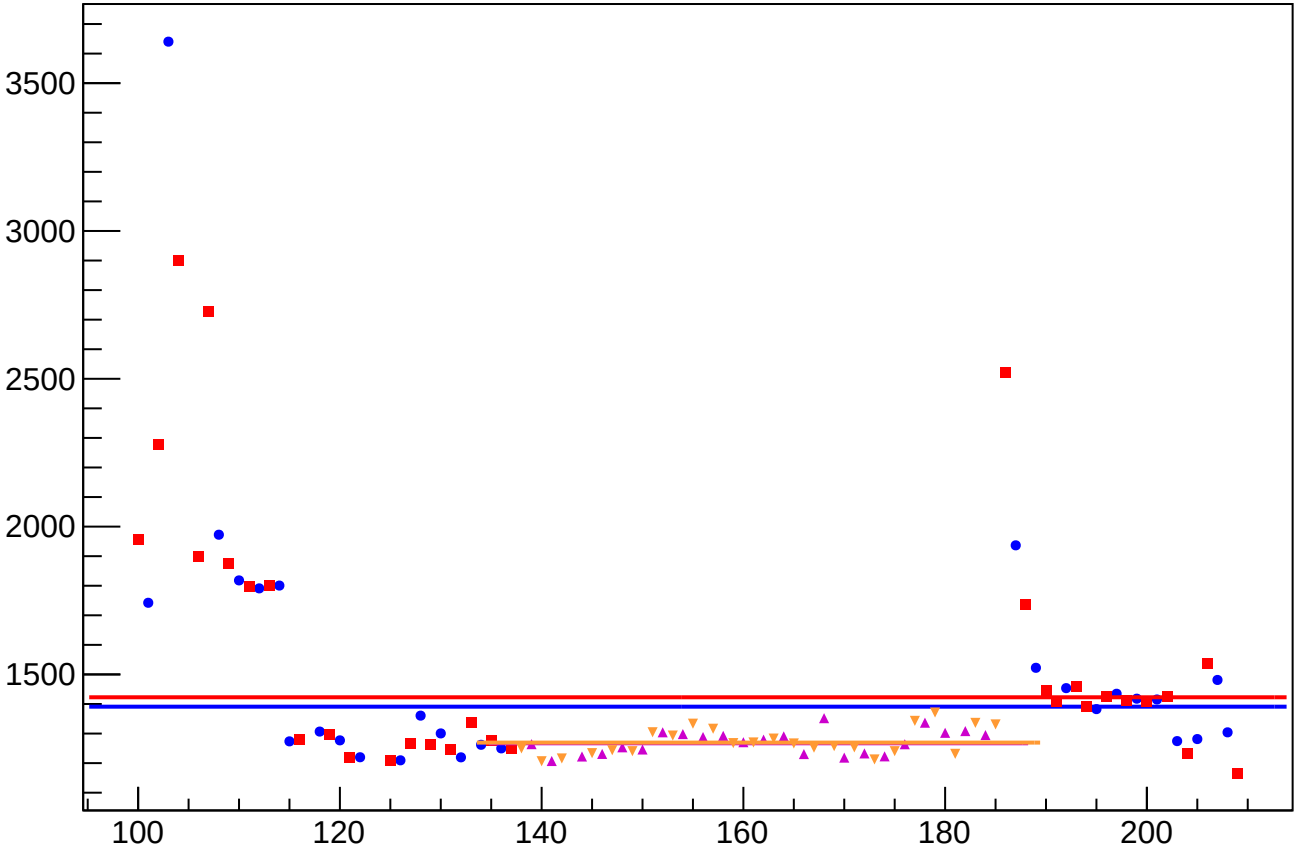
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 678.197+/-226.819 χ^2/NDF: 50.2/50

All: 279.172+/-160.176 χ^2/NDF: 110.9/104

- sign -117.773+/-226.228 χ^2/NDF: 54.4/53

asym_usl_atl1_dd_rms vs Slug



Right In: 1390.936+/-0.251 χ^2/NDF: 864486.8/26

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

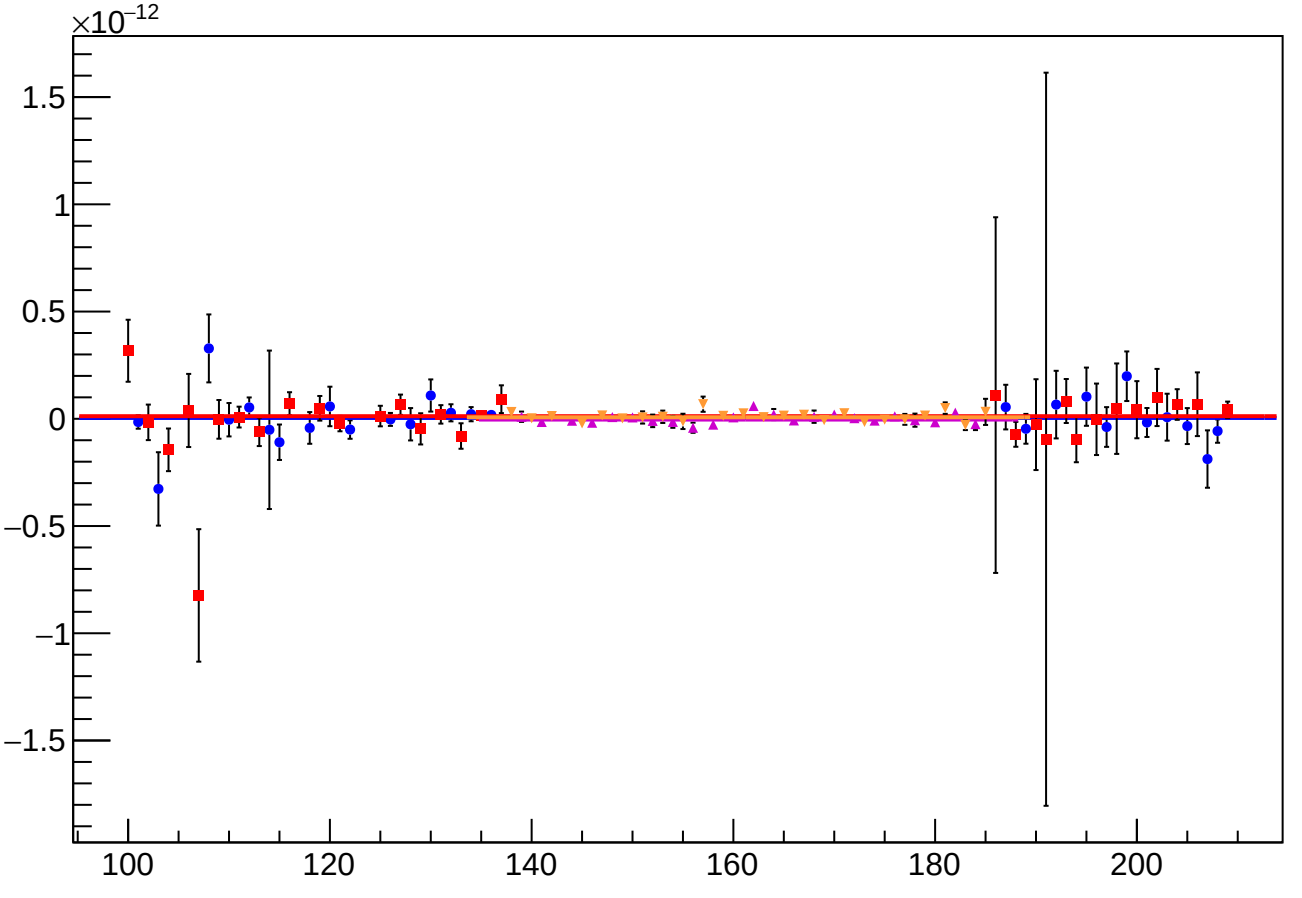
Right Out: 1422.723+/-0.248 χ^2/NDF: 1210501.1/30

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1319.030+/-0.160 χ^2/NDF: 1046146.8/50

All: 1325.433+/-0.113 χ^2/NDF: 2524386.1/10

- sign 1331.803+/-0.160 χ^2/NDF: 1475060.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

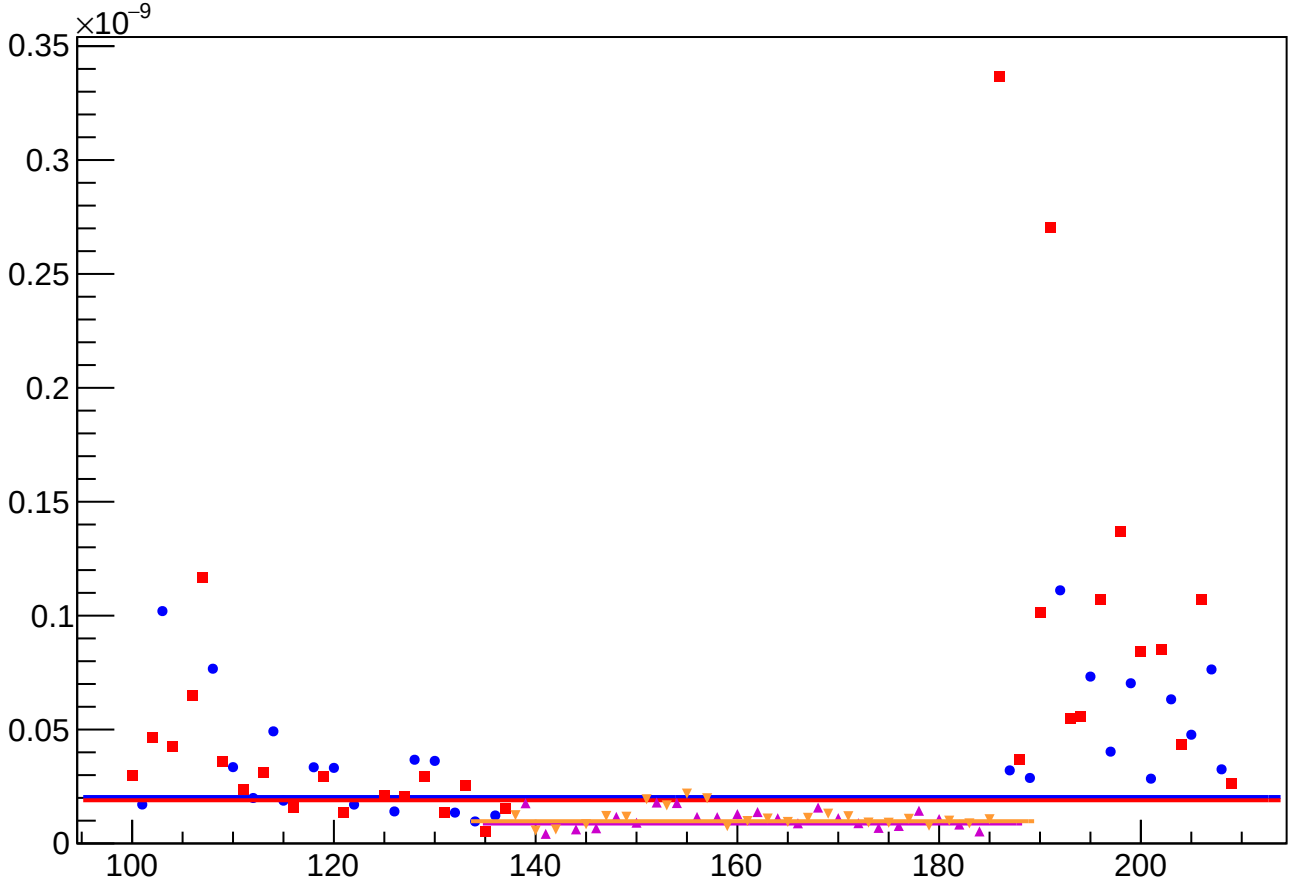
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.9/50

All: 0.000+/-0.000 χ^2/NDF: 102.3/104

- sign -0.000+/-0.000 χ^2/NDF: 54.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 4298373.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7113468.7/30

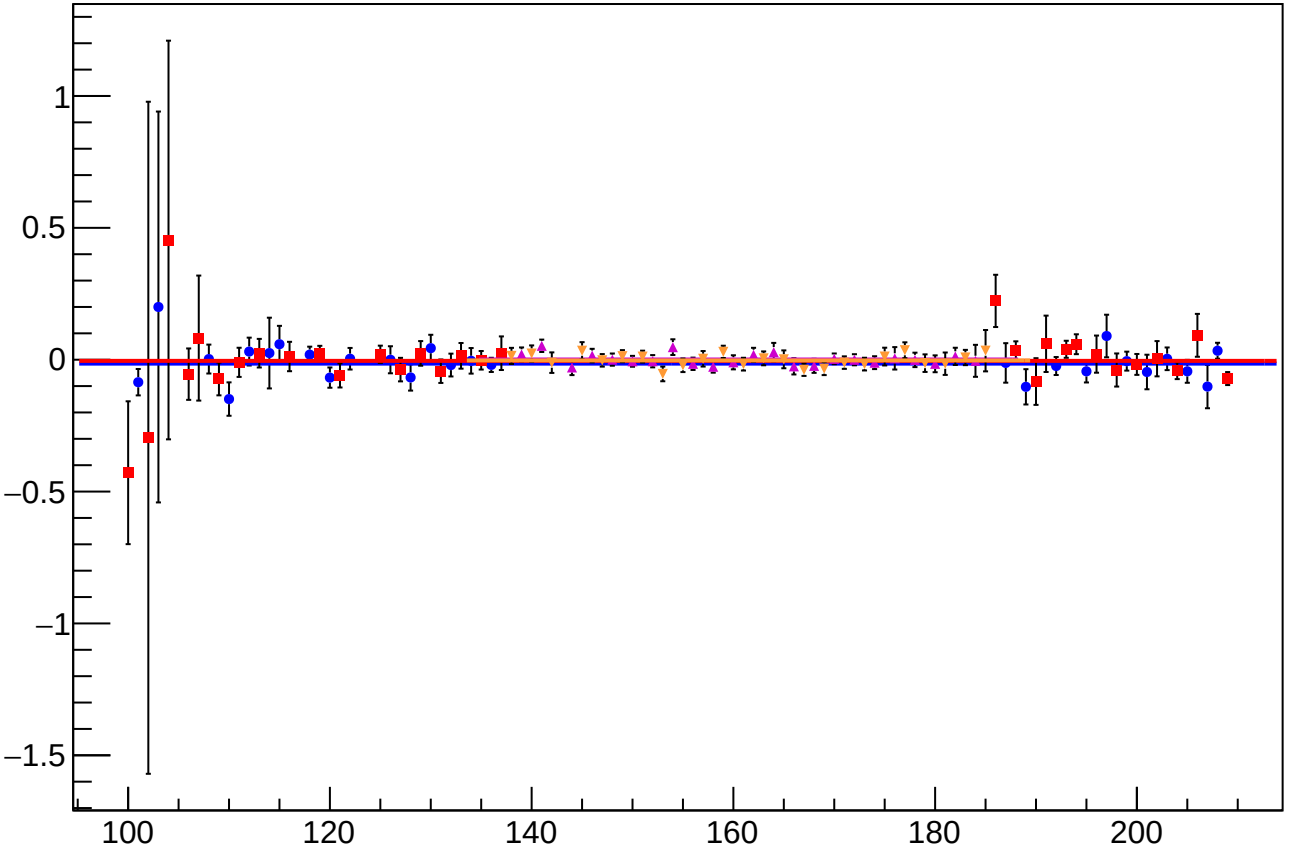
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7602523.9/50

All: 0.000+/-0.000 χ^2/NDF: 18658455.3/104

- sign 0.000+/-0.000 χ^2/NDF: 10952541.1/53

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 32.8/30

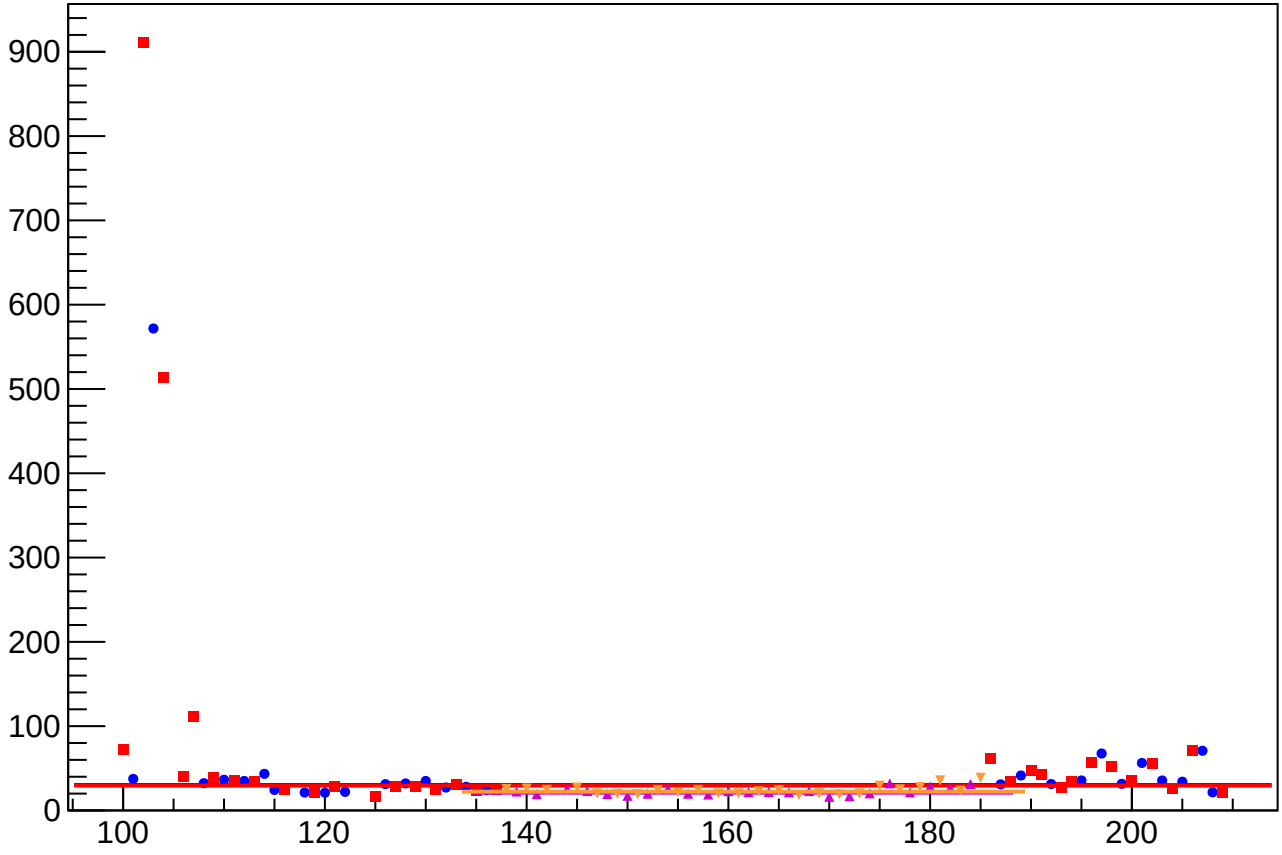
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.003+/-0.003 χ^2/NDF: 89.6/104

- sign -0.001+/-0.005 χ^2/NDF: 48.0/53

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

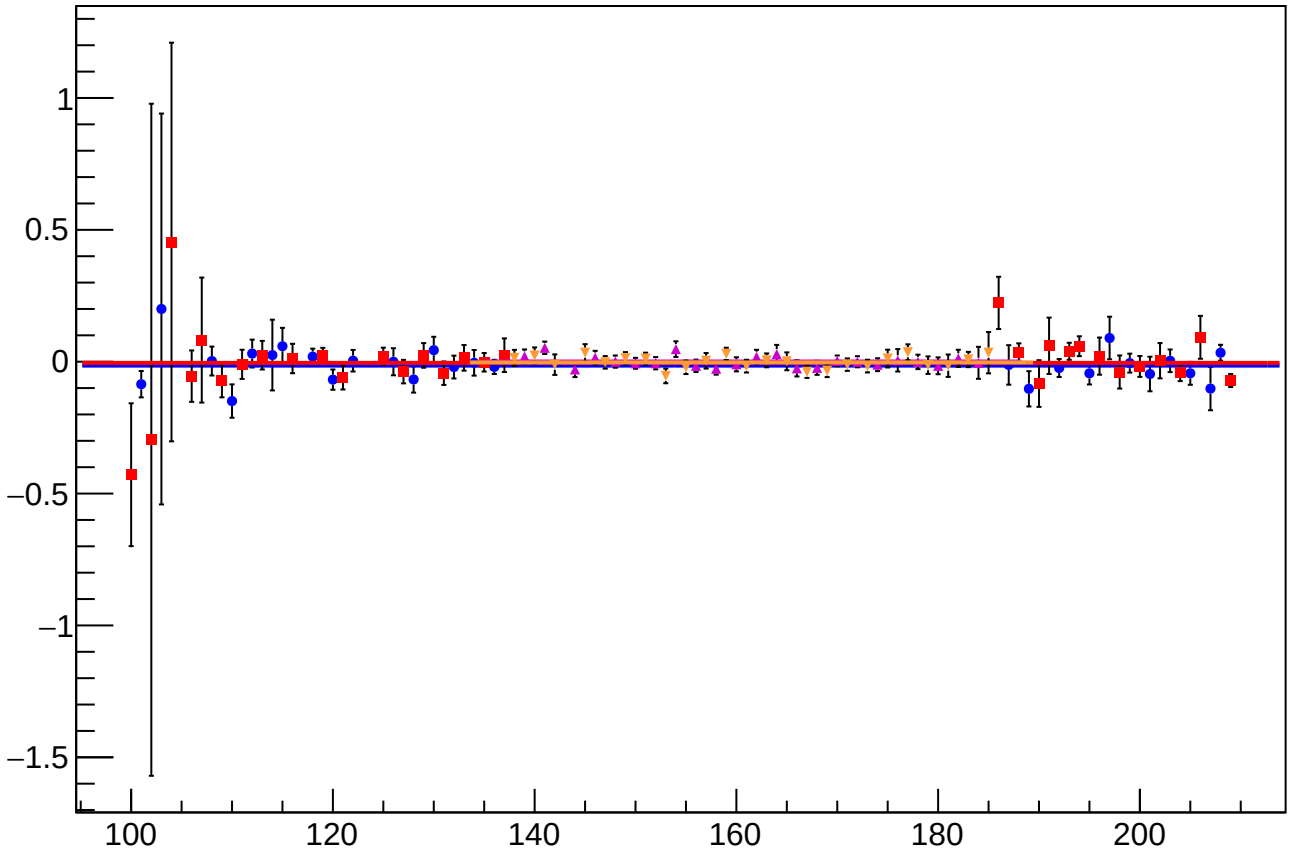
Right Out: 29.536+/-0.006 χ^2/NDF: 4857898.8/30

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.632+/-0.003 χ^2/NDF: 5150076.5/50

All: 24.074+/-0.002 χ^2/NDF: 12267484.6/104

- sign 23.556+/-0.003 χ^2/NDF: 7064798.2/53



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 32.8/30

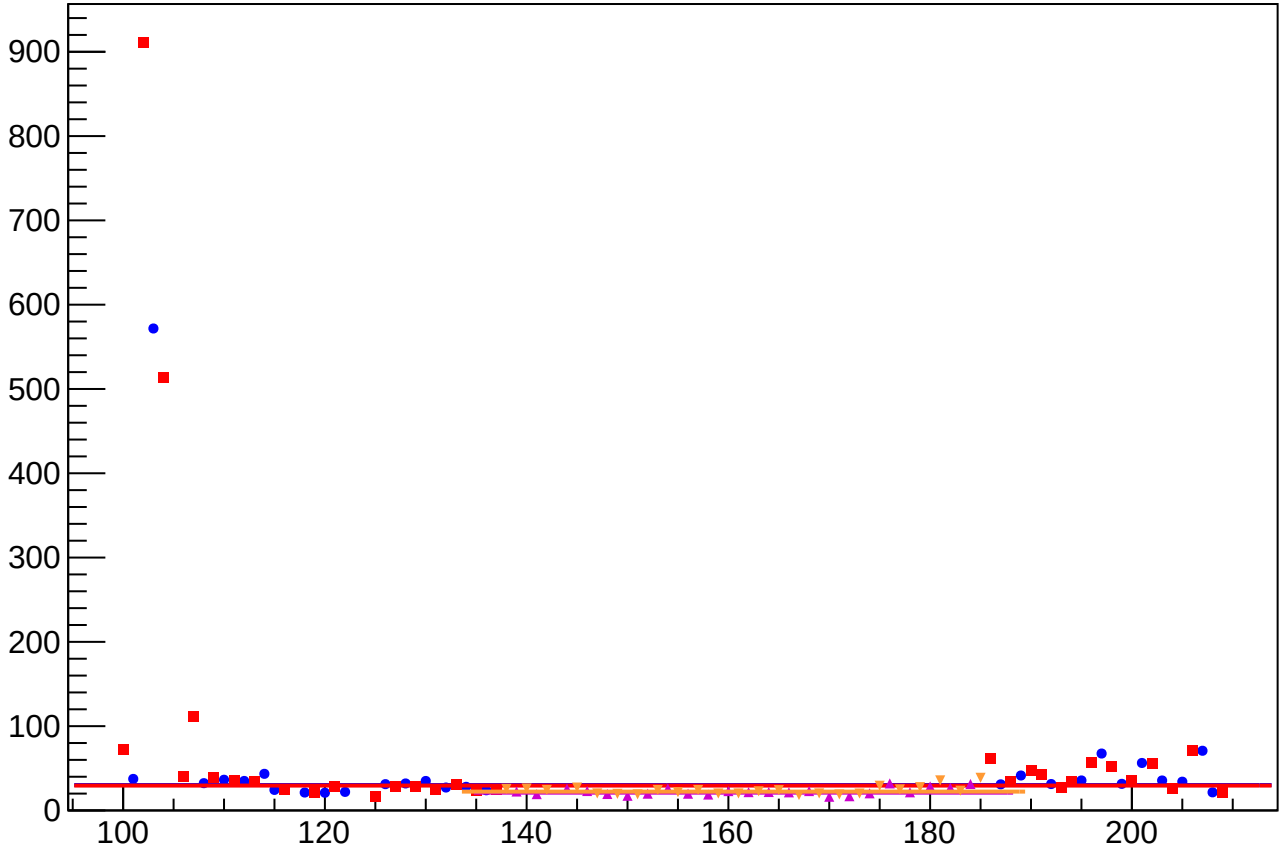
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.003+/-0.003 χ^2/NDF: 89.6/104

- sign -0.001+/-0.005 χ^2/NDF: 48.0/53

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

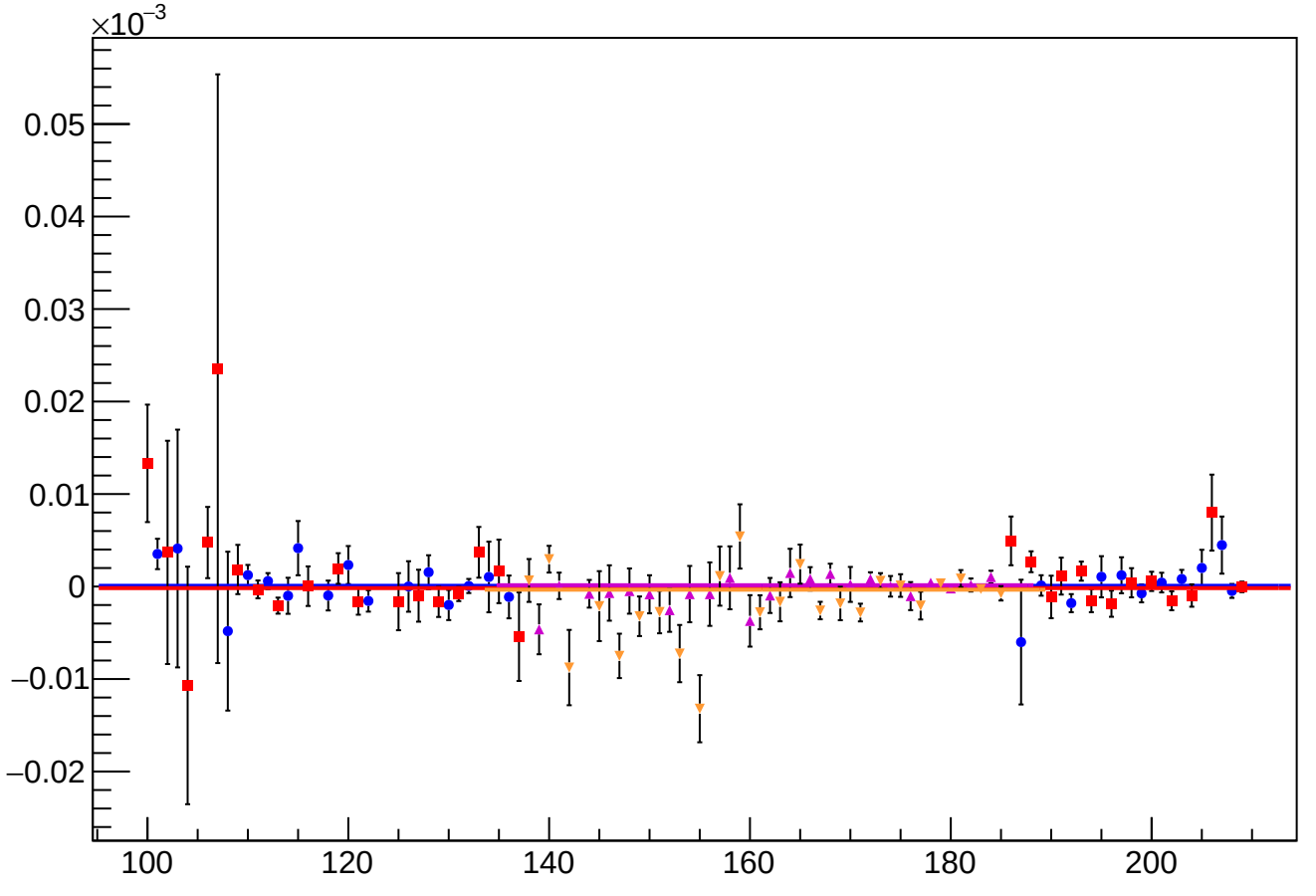
Right Out: 29.536+/-0.006 χ^2/NDF: 4857898.8/30

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.632+/-0.003 χ^2/NDF: 5150076.5/50

All: 24.074+/-0.002 χ^2/NDF: 12267484.6/104

\- sign 23.556+/-0.003 χ^2/NDF: 7064798.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 44.1/30

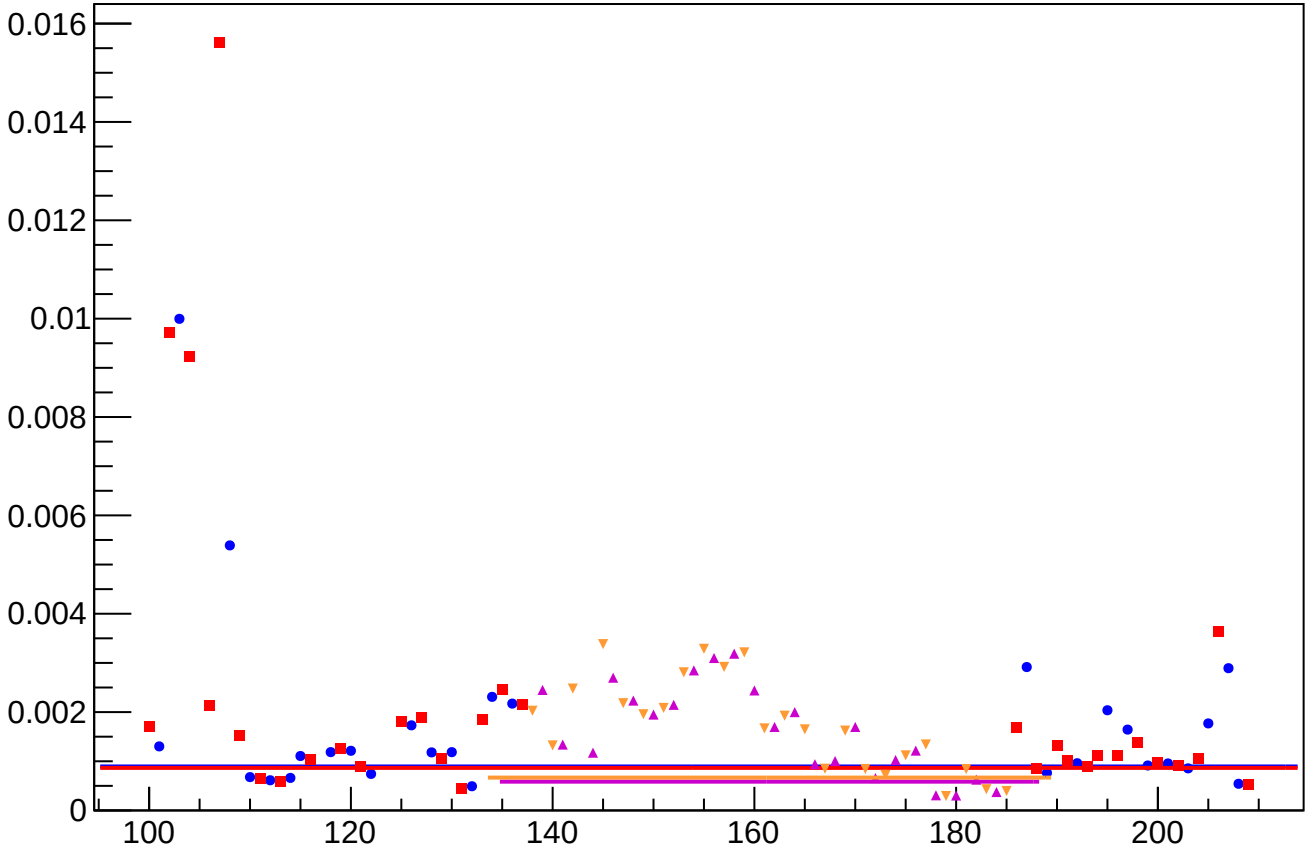
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 94.3/50

All: -0.000+/-0.000 χ^2/NDF: 154.6/104

- sign 0.000+/-0.000 χ^2/NDF: 59.3/53

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6612322.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7382039.4/30

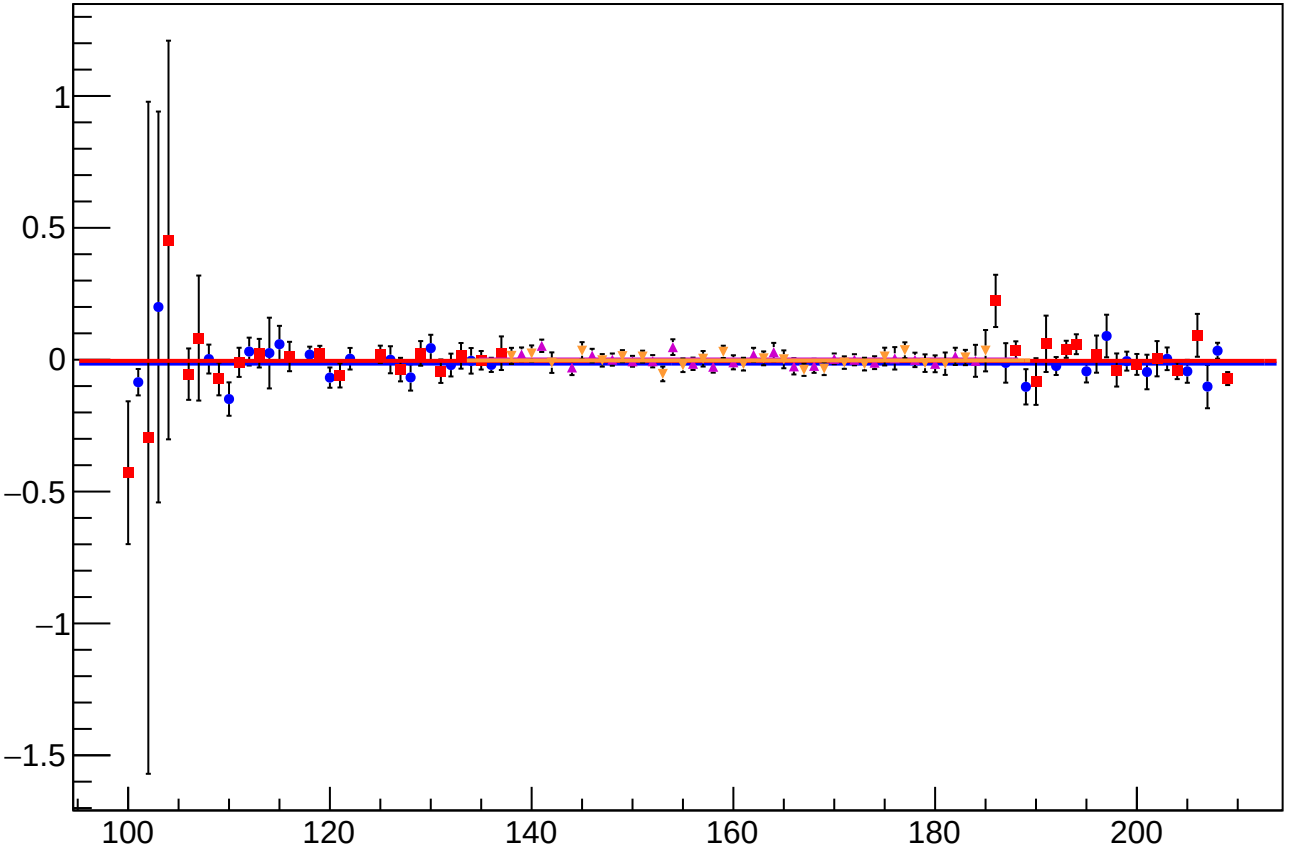
Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 22907699.0/50

All: 0.001+/-0.000 χ^2/NDF: 47732130.0/104

- sign 0.001+/-0.000 χ^2/NDF: 24632092.1/53

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 32.8/30

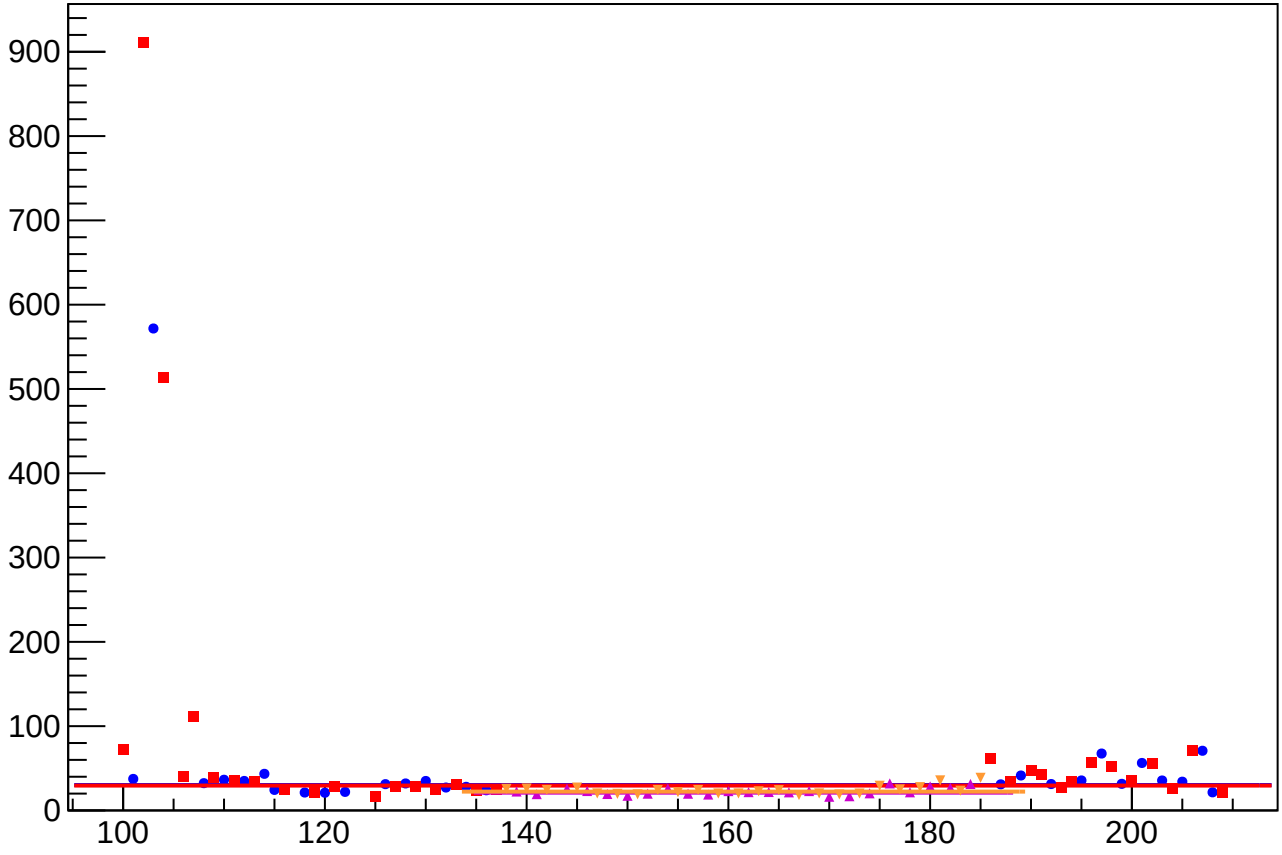
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.003+/-0.003 χ^2/NDF: 89.6/104

- sign -0.001+/-0.005 χ^2/NDF: 48.0/53

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

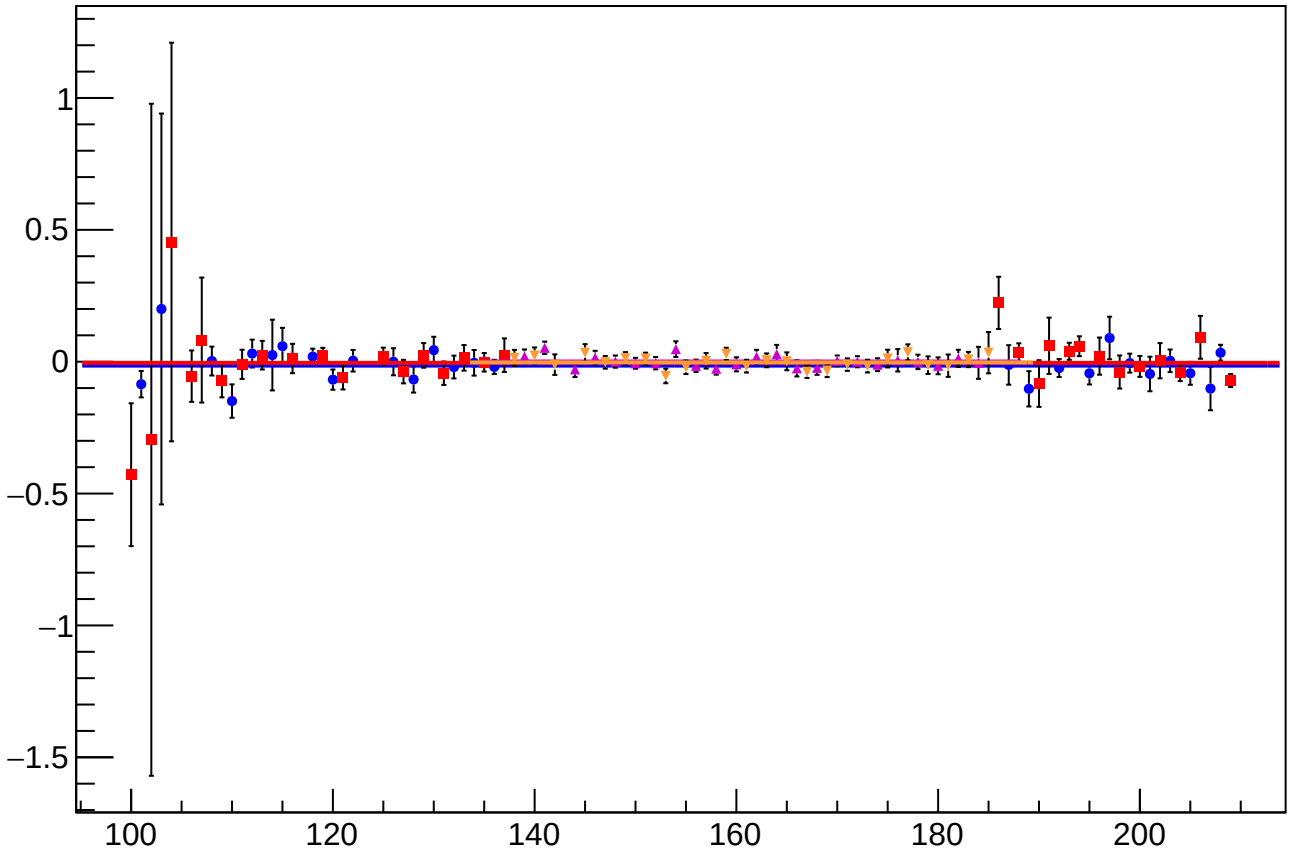
Right Out: 29.536+/-0.006 χ^2/NDF: 4857958.5/30

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 24.632+/-0.003 χ^2/NDF: 5150113.7/50

All: 24.074+/-0.002 χ^2/NDF: 12267608.7/104

\- sign 23.556+/-0.003 χ^2/NDF: 7064887.8/53



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

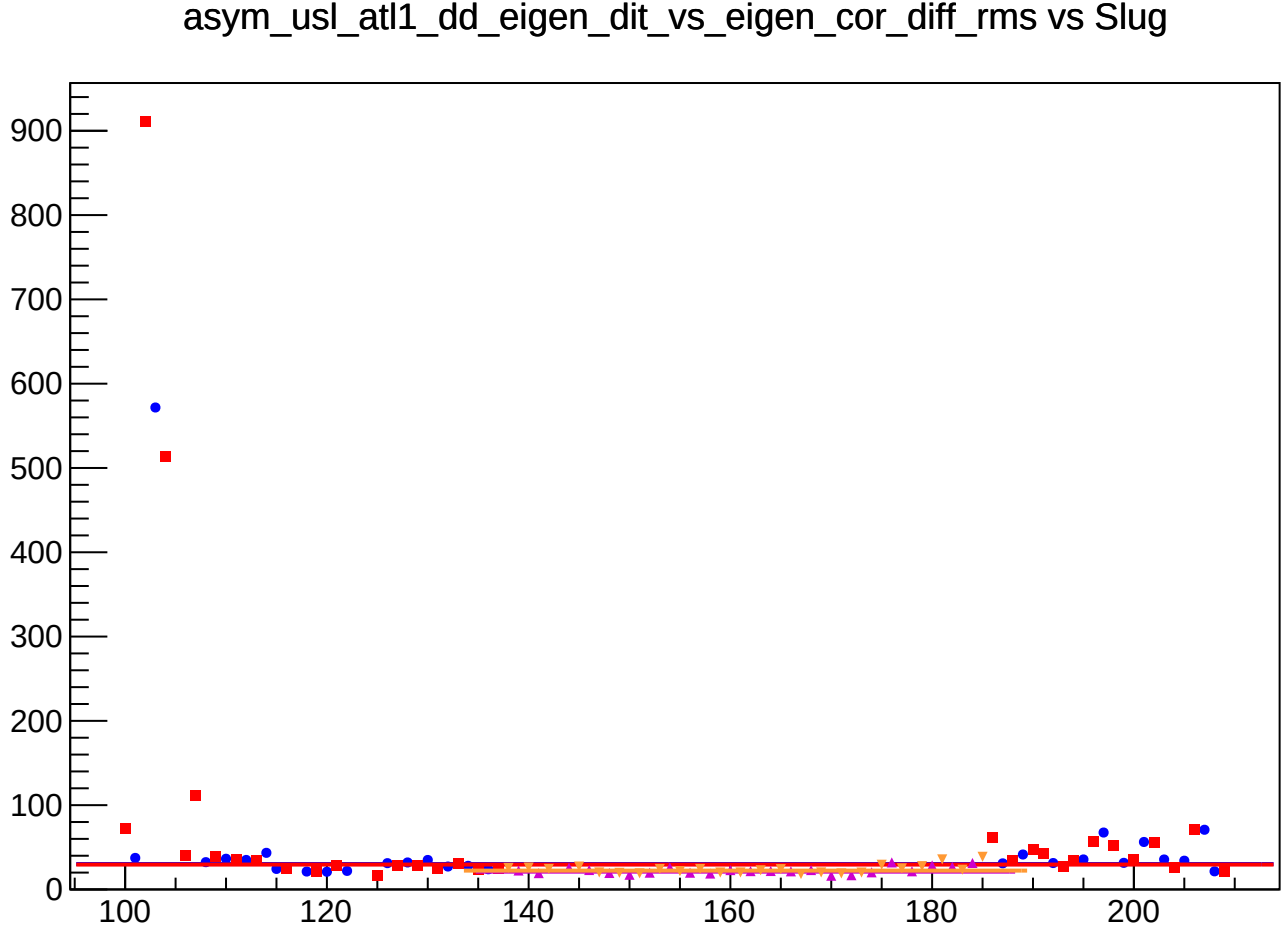
Right Out: -0.004+/-0.009 χ^2/NDF: 32.8/30

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.005 χ^2/NDF: 40.9/50

All: -0.003+/-0.003 χ^2/NDF: 89.6/104

- sign -0.001+/-0.005 χ^2/NDF: 48.0/53



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

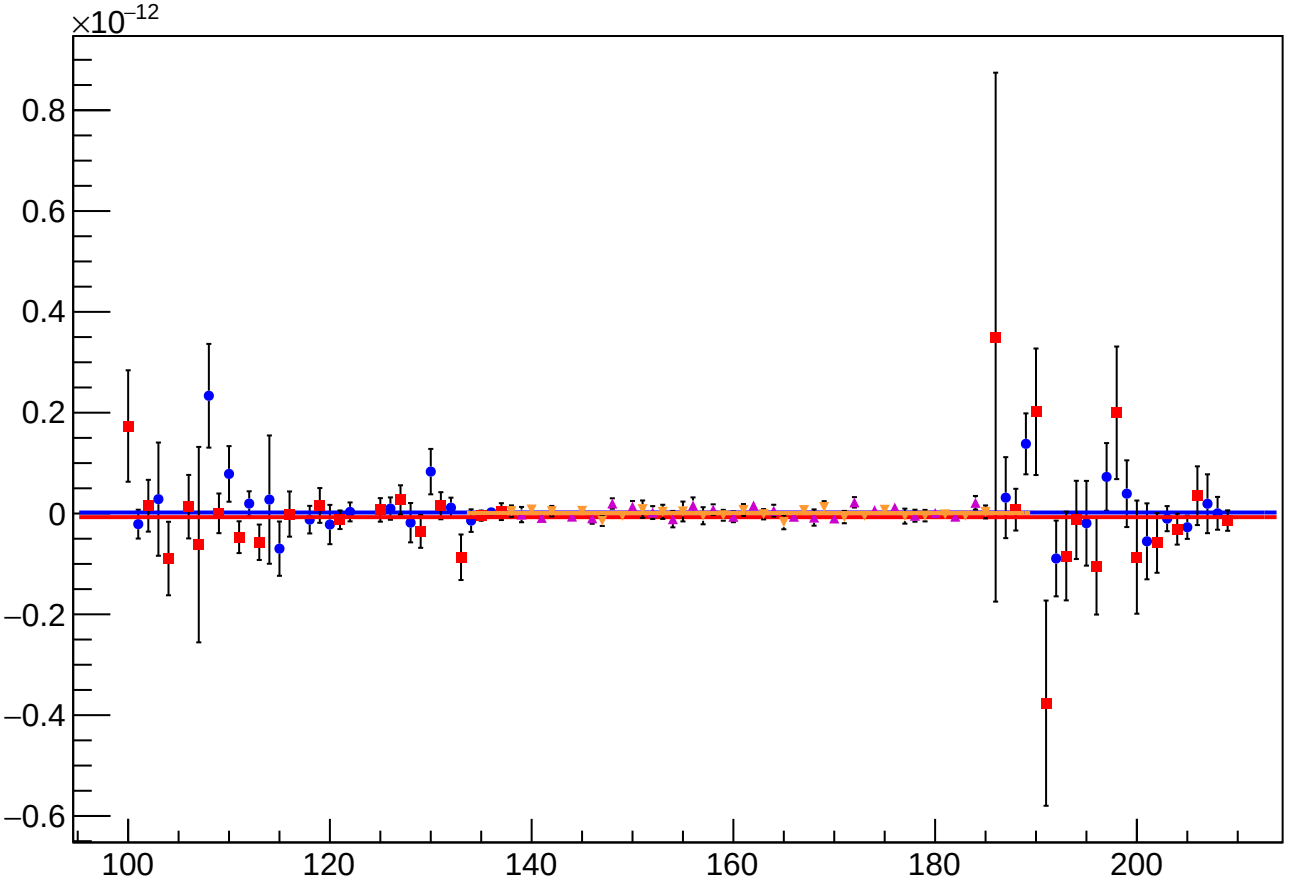
Right Out: 29.536+/-0.006 χ^2/NDF: 4857958.5/30

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.632+/-0.003 χ^2/NDF: 5150113.7/50

All: 24.074+/-0.002 χ^2/NDF: 12267608.7/104

- sign 23.556+/-0.003 χ^2/NDF: 7064887.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/30

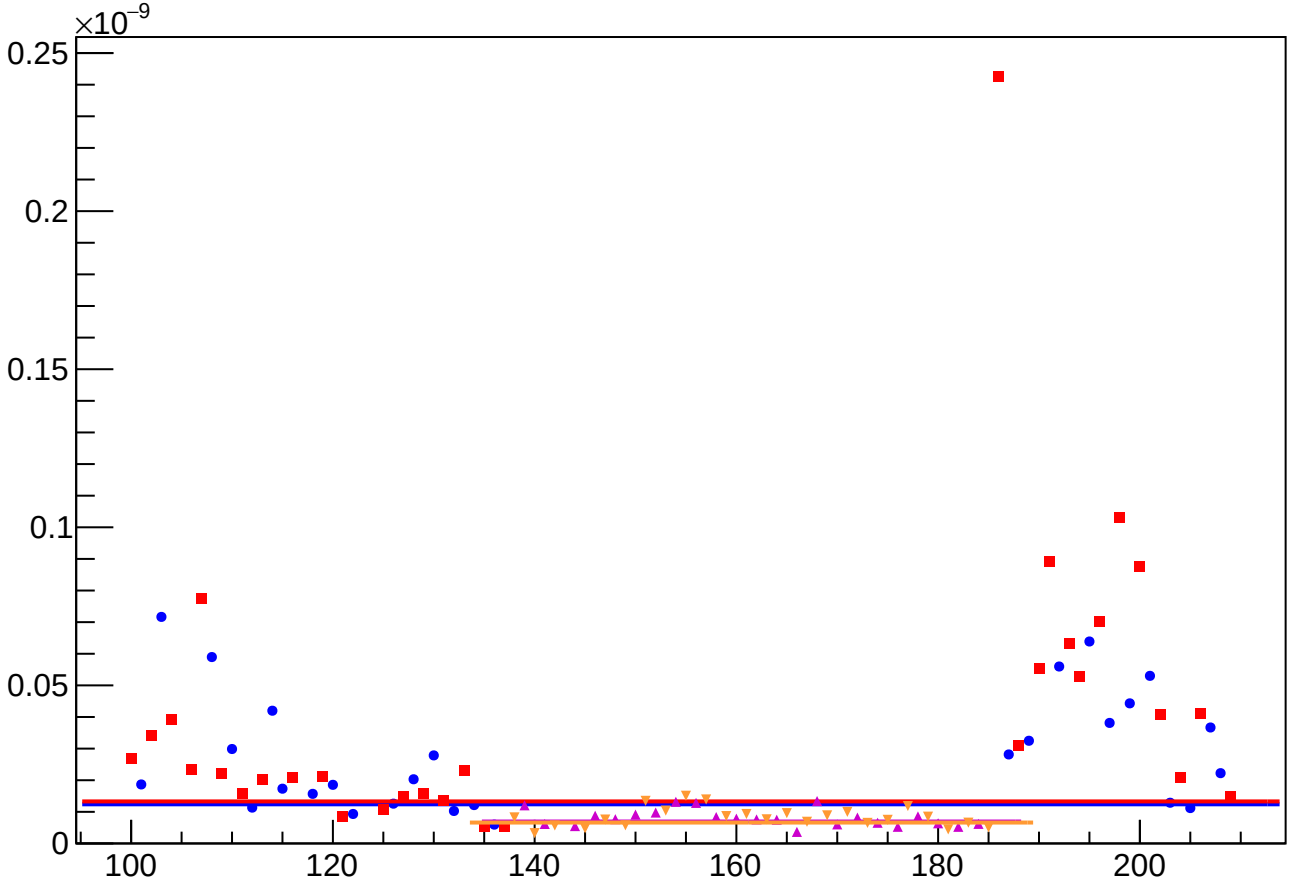
Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/50

All: 0.000+/-0.000 χ^2/NDF: 94.0/104

- sign 0.000+/-0.000 χ^2/NDF: 56.6/53

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6616163.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9113150.0/30

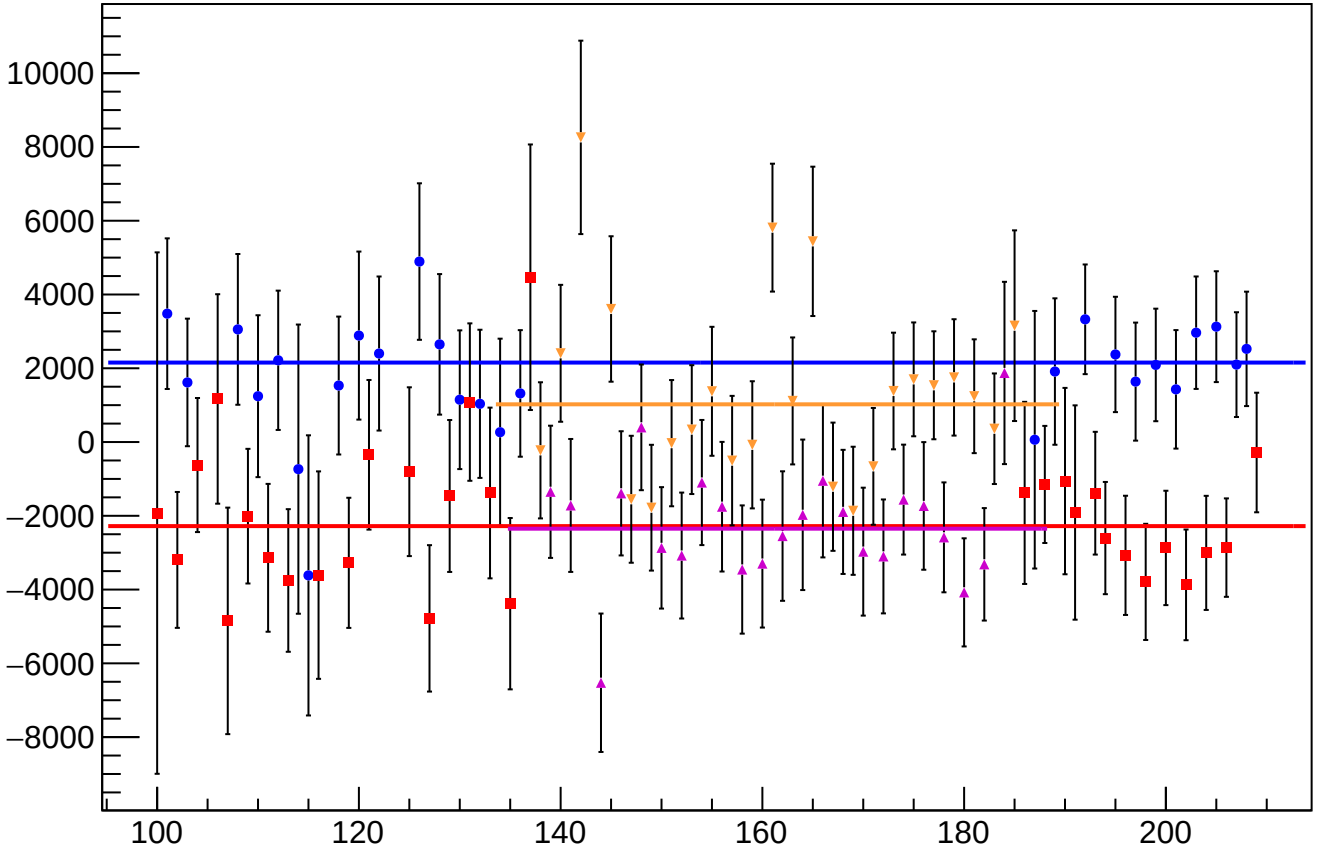
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12193685.5/50

All: 0.000+/-0.000 χ^2/NDF: 25961548.3/104

- sign 0.000+/-0.000 χ^2/NDF: 13732143.9/53

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.462+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2279.594+/-346.282 χ^2/NDF: 20.2/30

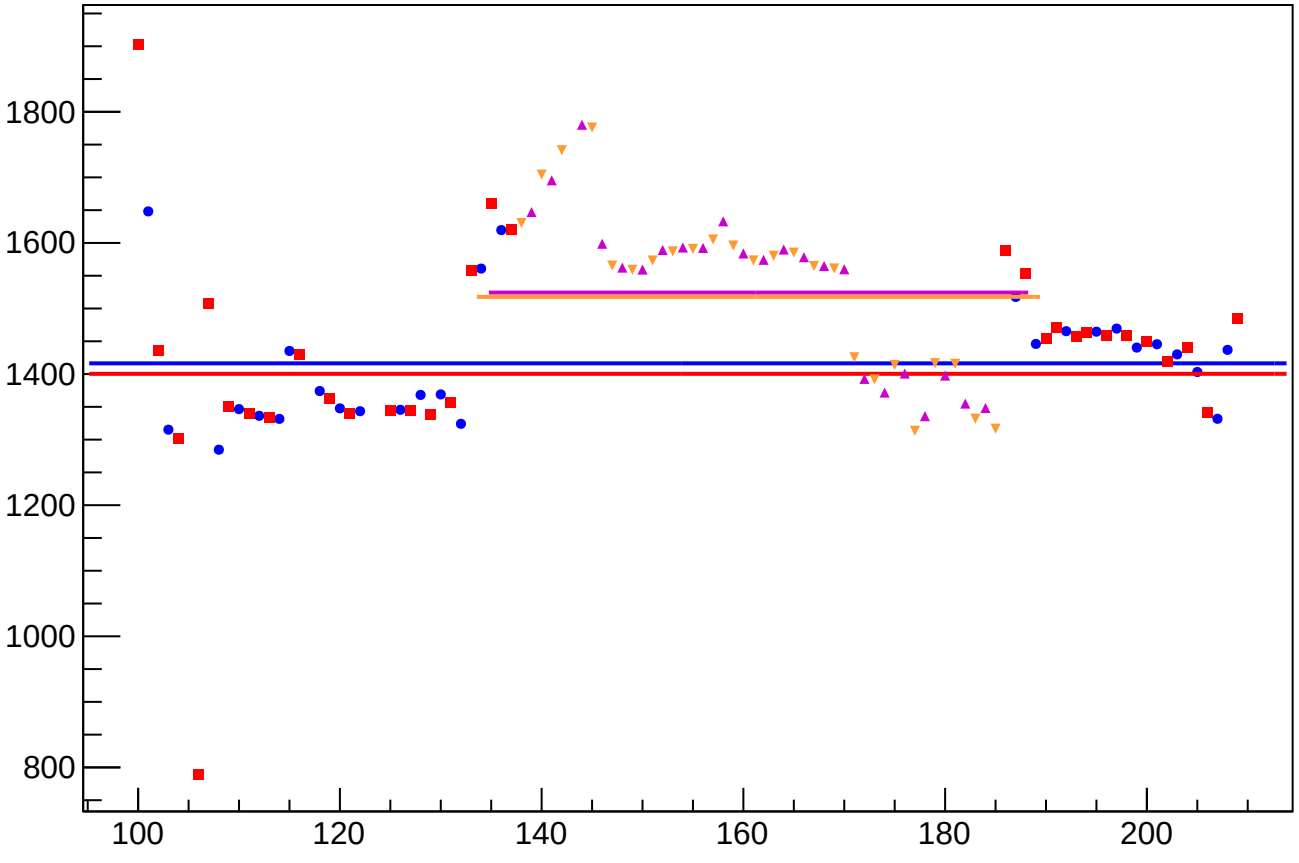
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.270+/-251.093 χ^2/NDF: 50.7/50

All: -384.589+/-176.656 χ^2/NDF: 208.5/104

- sign -2313.325+/-248.584 χ^2/NDF: 36.2/53

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.377+/-0.241 χ^2/NDF: 404838.0/30

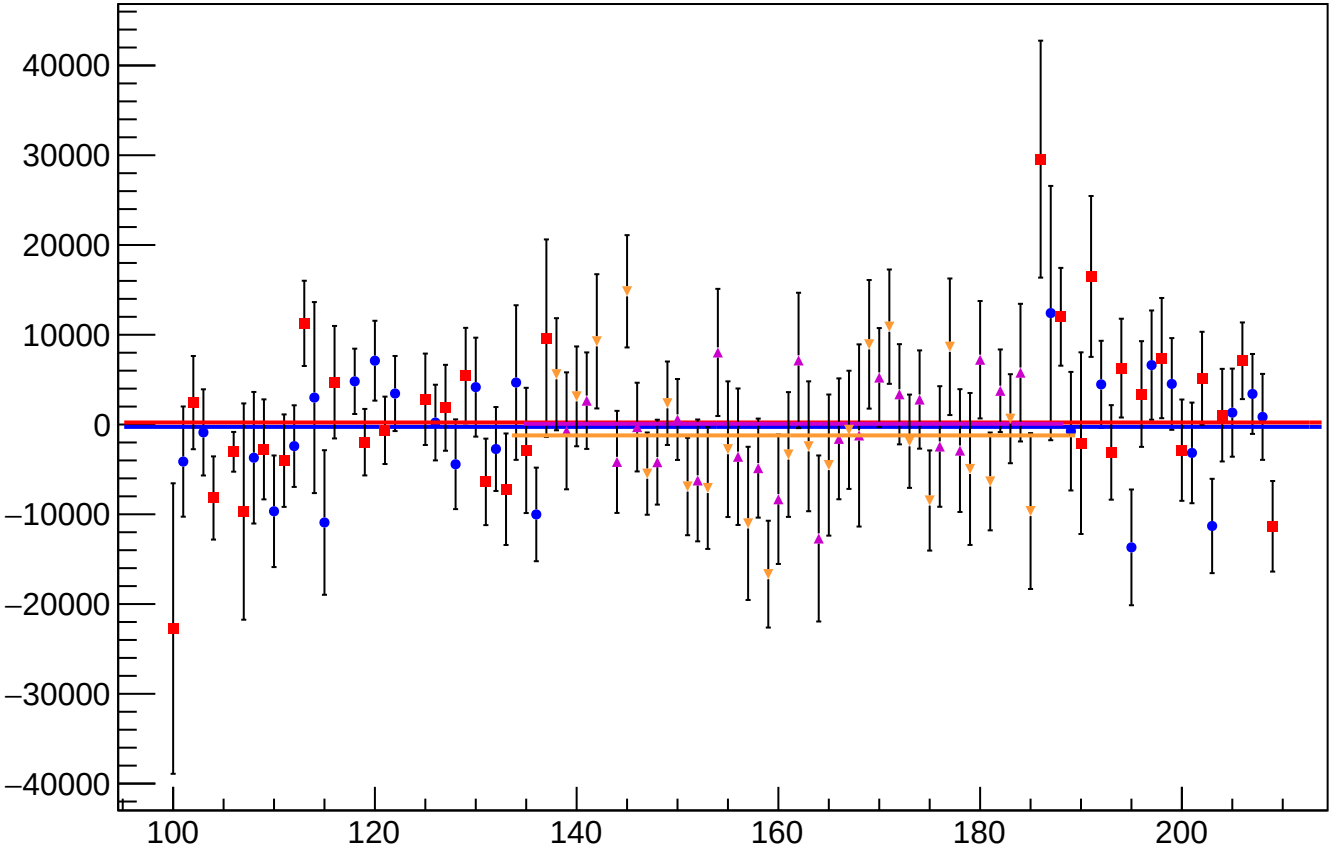
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.558+/-0.178 χ^2/NDF: 429257.5/50

All: 1463.487+/-0.124 χ^2/NDF: 1185348.8/10

- sign 1459.556+/-0.174 χ^2/NDF: 755058.0/53

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -262.432+/-1021.260 χ^2/NDF: 29.7/26

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 228.110+/-920.735 χ^2/NDF: 46.3/30

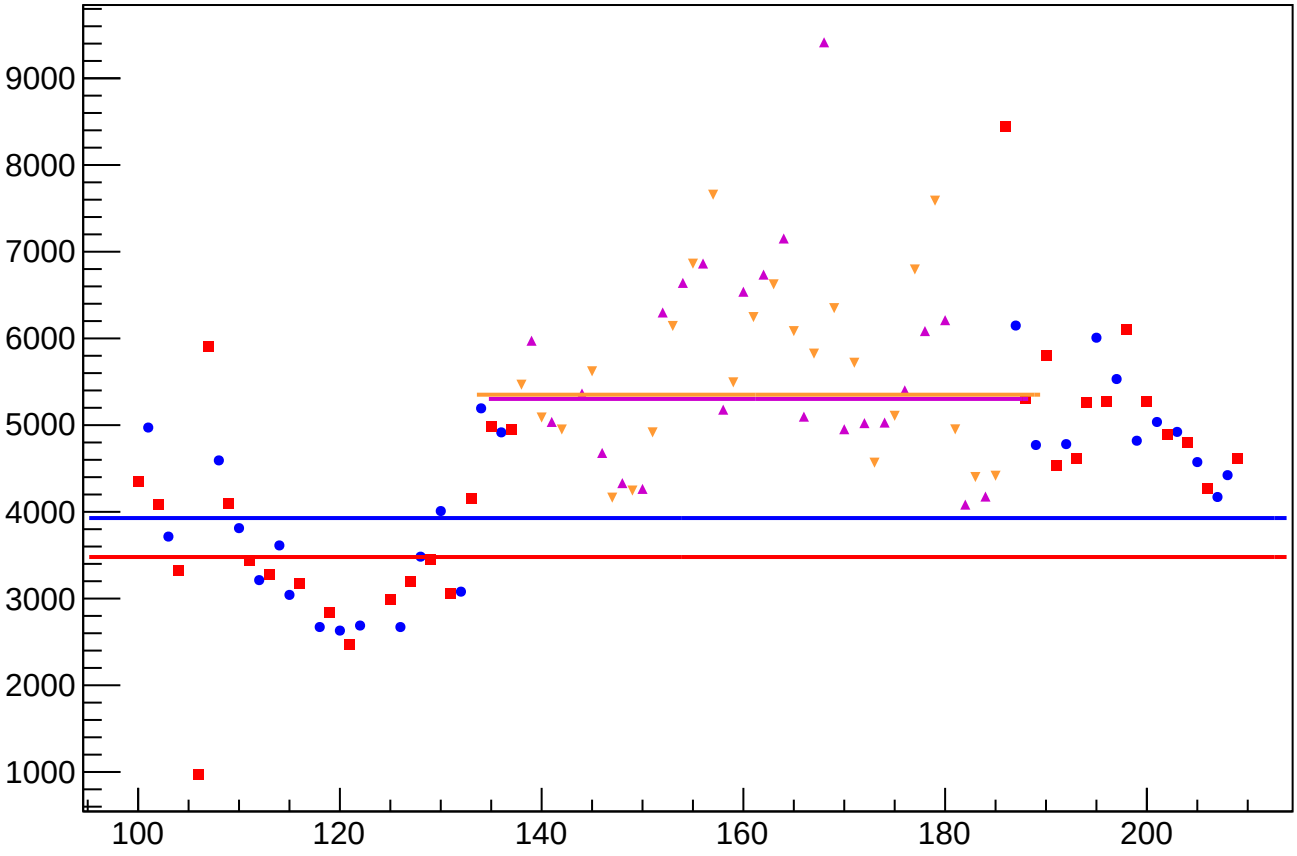
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -635.890+/-795.444 χ^2/NDF: 63.3/50

All: -202.440+/-543.477 χ^2/NDF: 123.4/104

- sign 177.053+/-744.289 χ^2/NDF: 59.5/53

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3928.495+/-0.722 χ^2/NDF: 1876764.2/26

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3479.105+/-0.651 χ^2/NDF: 5205374.5/30

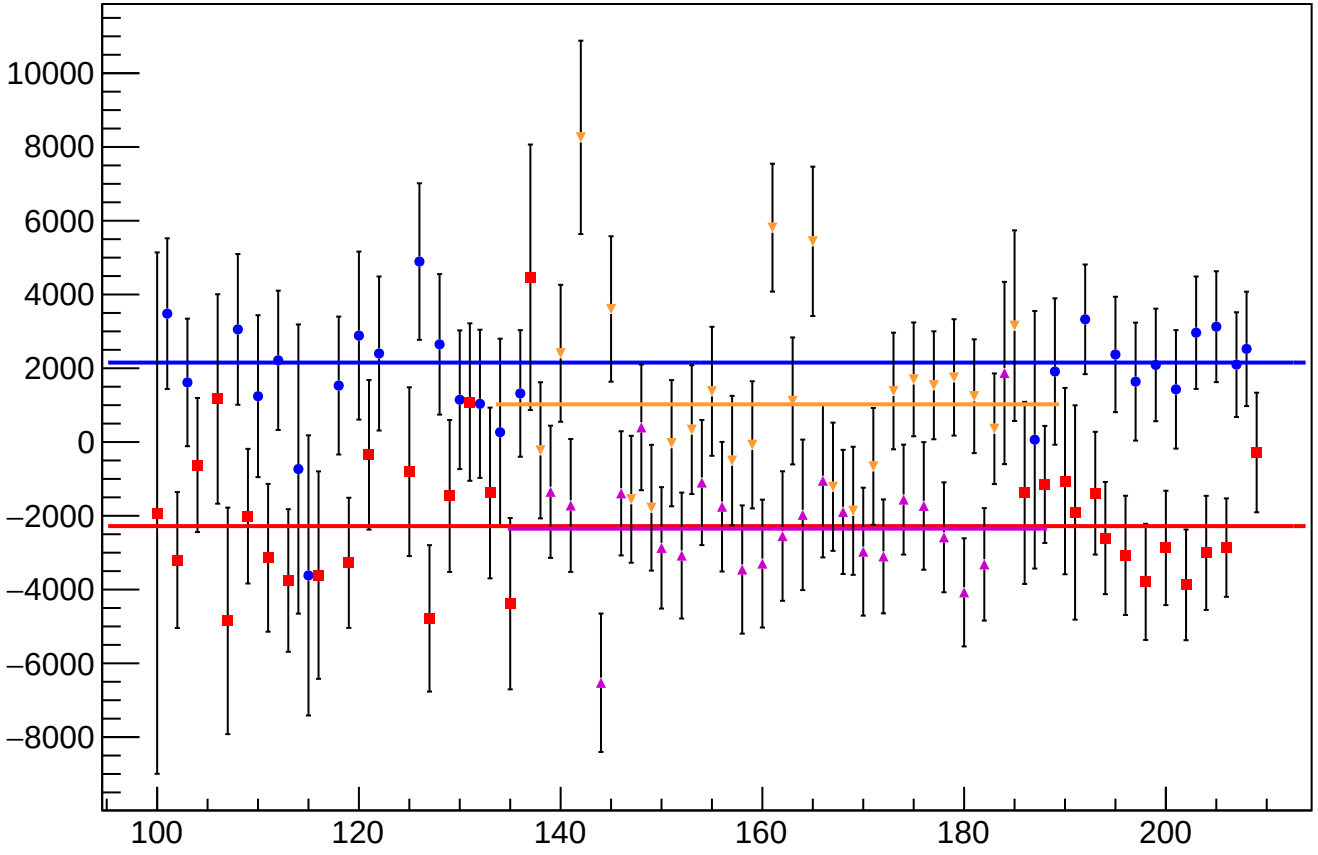
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4488.069+/-0.562 χ^2/NDF: 4469348.2/50

All: 4286.963+/-0.384 χ^2/NDF: 13888083.8/1

- sign 4110.891+/-0.526 χ^2/NDF: 9178972.7/53

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2279.668+/-346.283 χ^2/NDF: 20.2/30

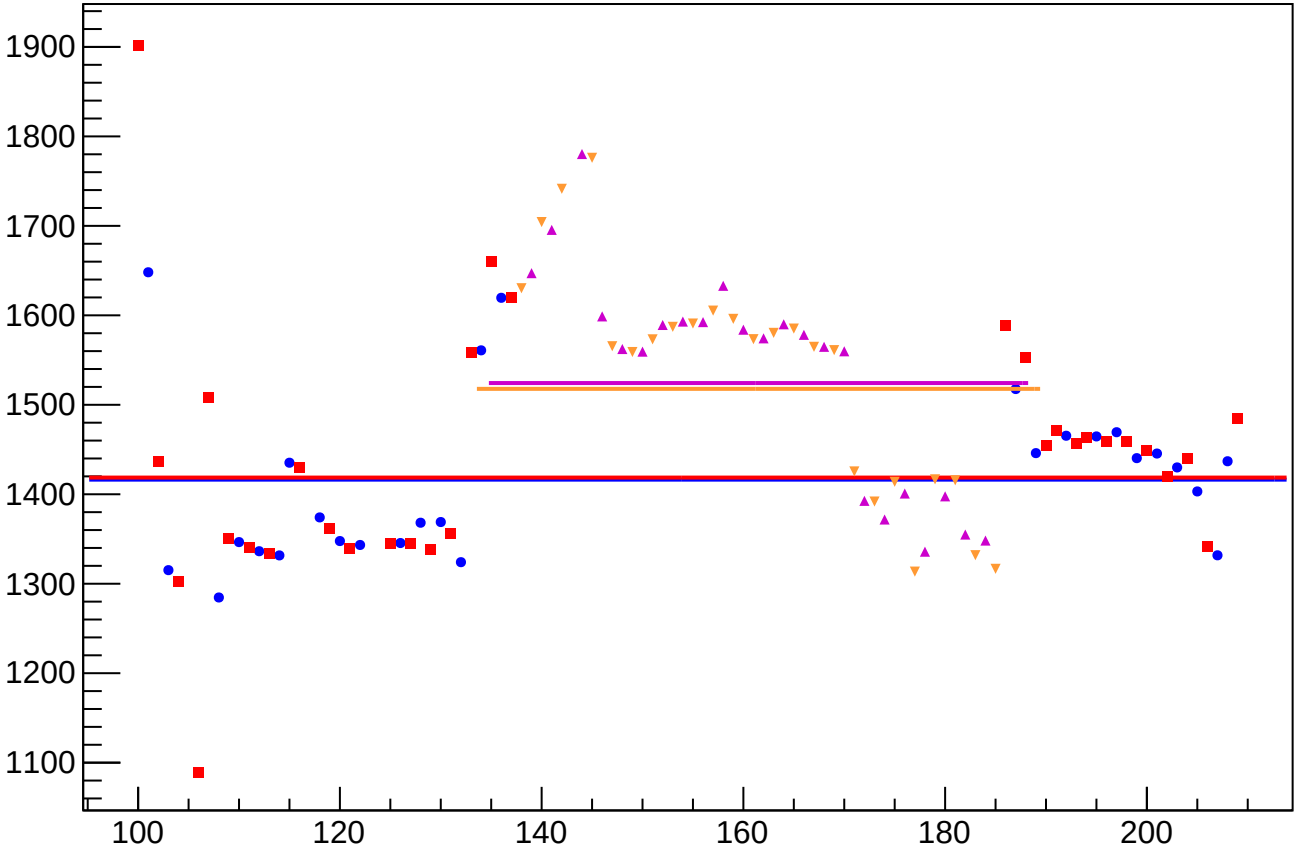
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.276+/-251.093 χ^2/NDF: 50.7/50

All: -384.602+/-176.656 χ^2/NDF: 208.5/104

- sign -2313.361+/-248.584 χ^2/NDF: 36.2/53

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1418.655+/-0.243 χ^2/NDF: 169087.3/30

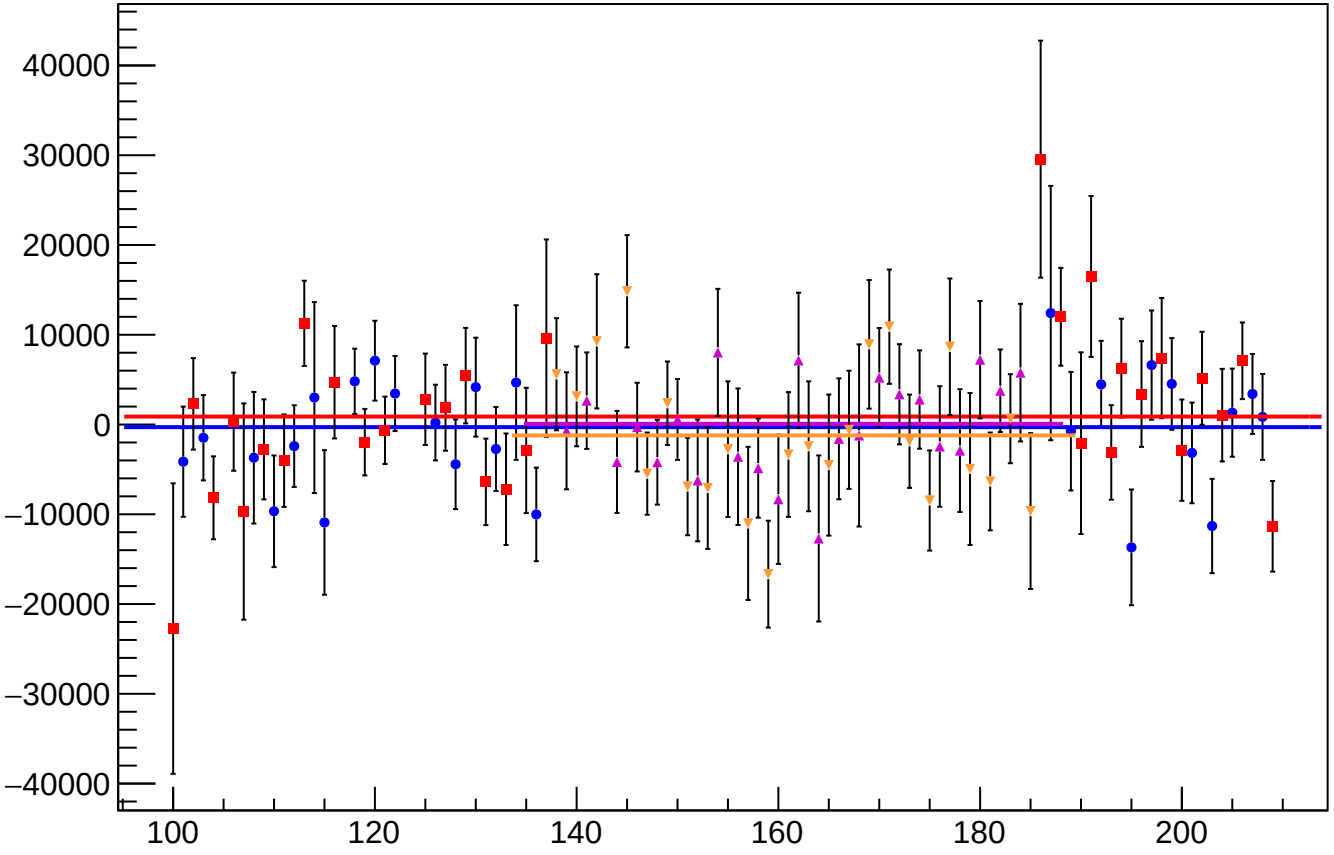
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.558+/-0.178 χ^2/NDF: 429257.6/50

All: 1468.566+/-0.125 χ^2/NDF: 913498.6/104

- sign 1469.549+/-0.175 χ^2/NDF: 484177.2/53

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

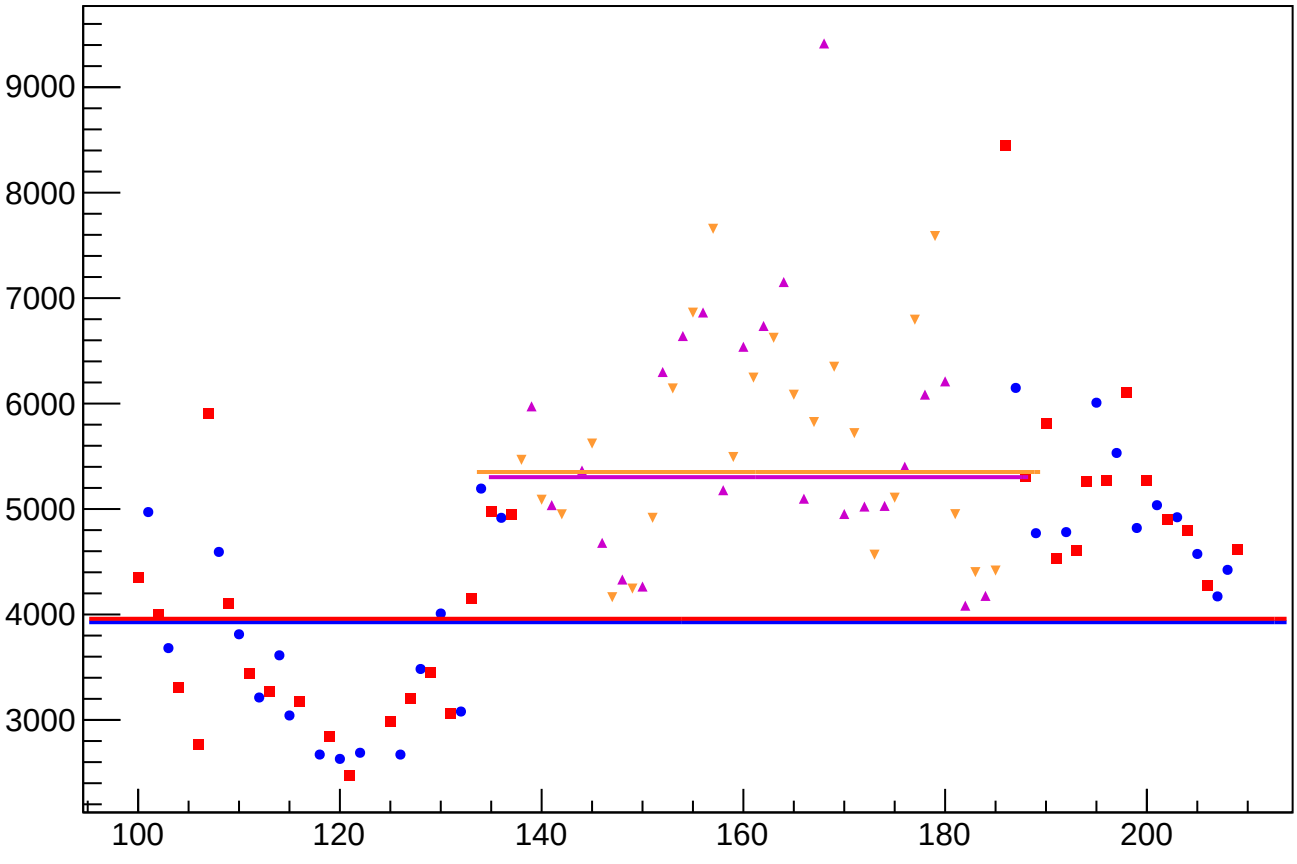
Right Out: 886.542+/-994.641 χ^2/NDF: 43.7/30

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -652.912+/-795.216 χ^2/NDF: 63.3/50

All: -26.692+/-557.474 χ^2/NDF: 121.7/104

- sign 578.469+/-781.731 χ^2/NDF: 57.1/53



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3959.356+/-0.703 χ^2/NDF: 2196912.2/30

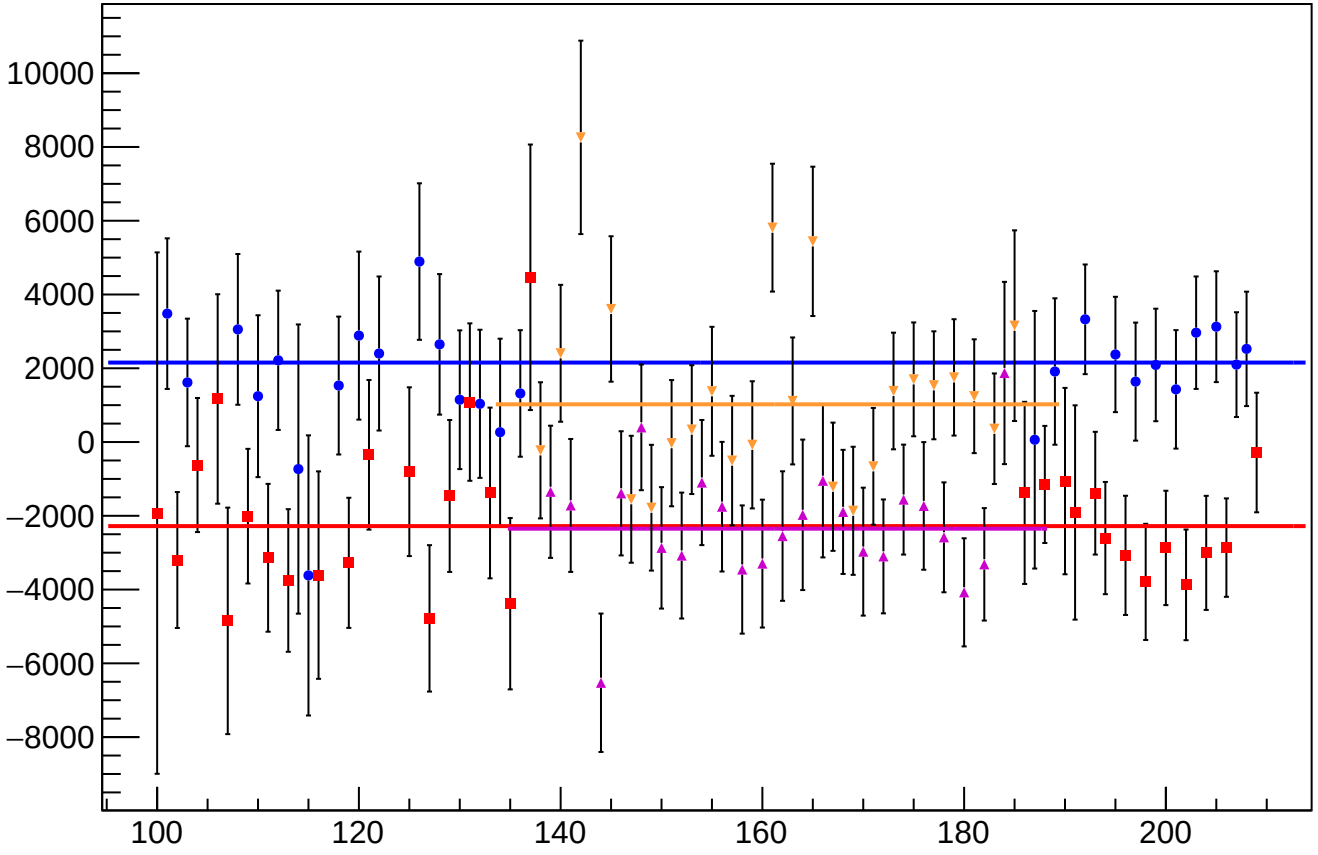
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.678+/-0.562 χ^2/NDF: 4475066.7/50

All: 4479.573+/-0.394 χ^2/NDF: 9322193.5/10

- sign 4472.708+/-0.553 χ^2/NDF: 4846812.9/53

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2279.668+/-346.283 χ^2/NDF: 20.2/30

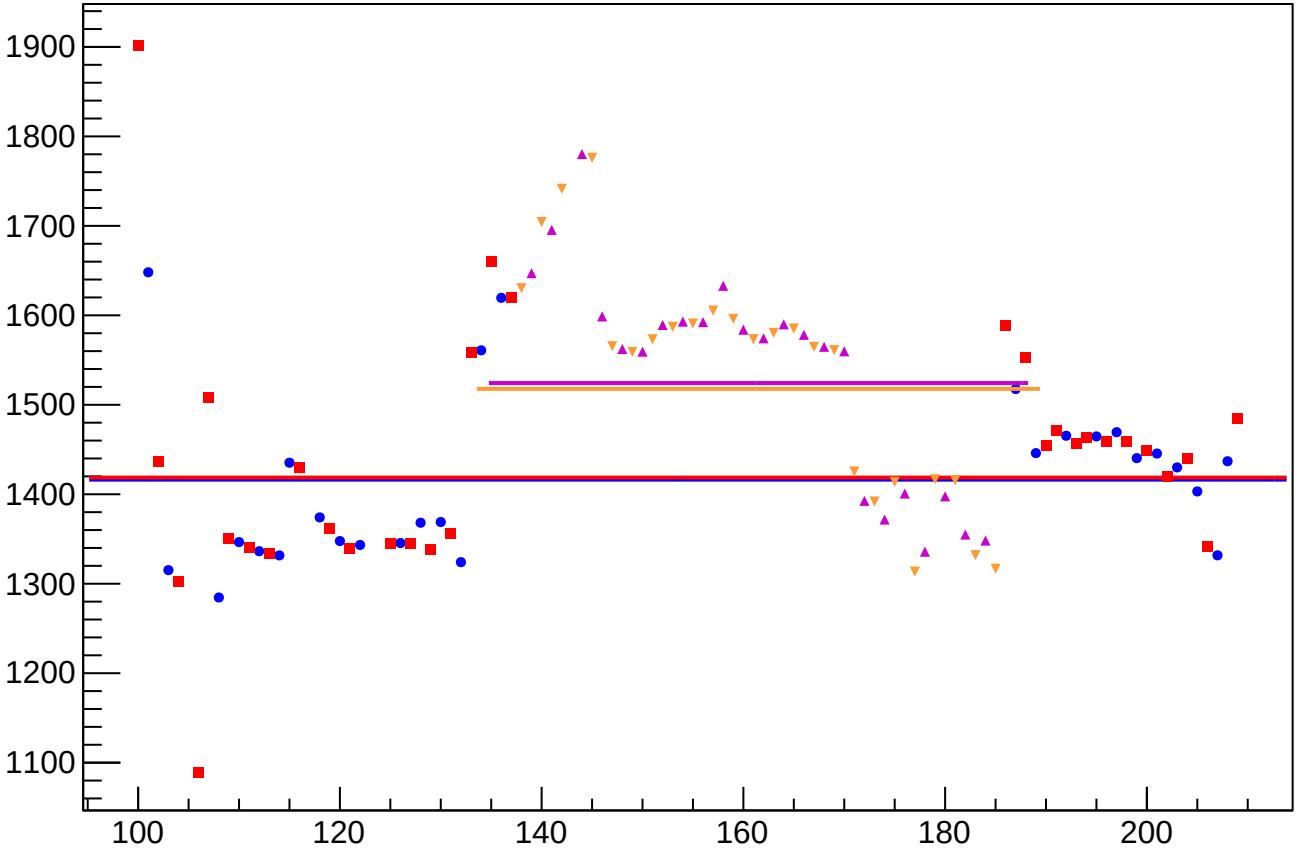
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.276+/-251.093 χ^2/NDF: 50.7/50

All: -384.602+/-176.656 χ^2/NDF: 208.5/104

- sign -2313.361+/-248.584 χ^2/NDF: 36.2/53

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

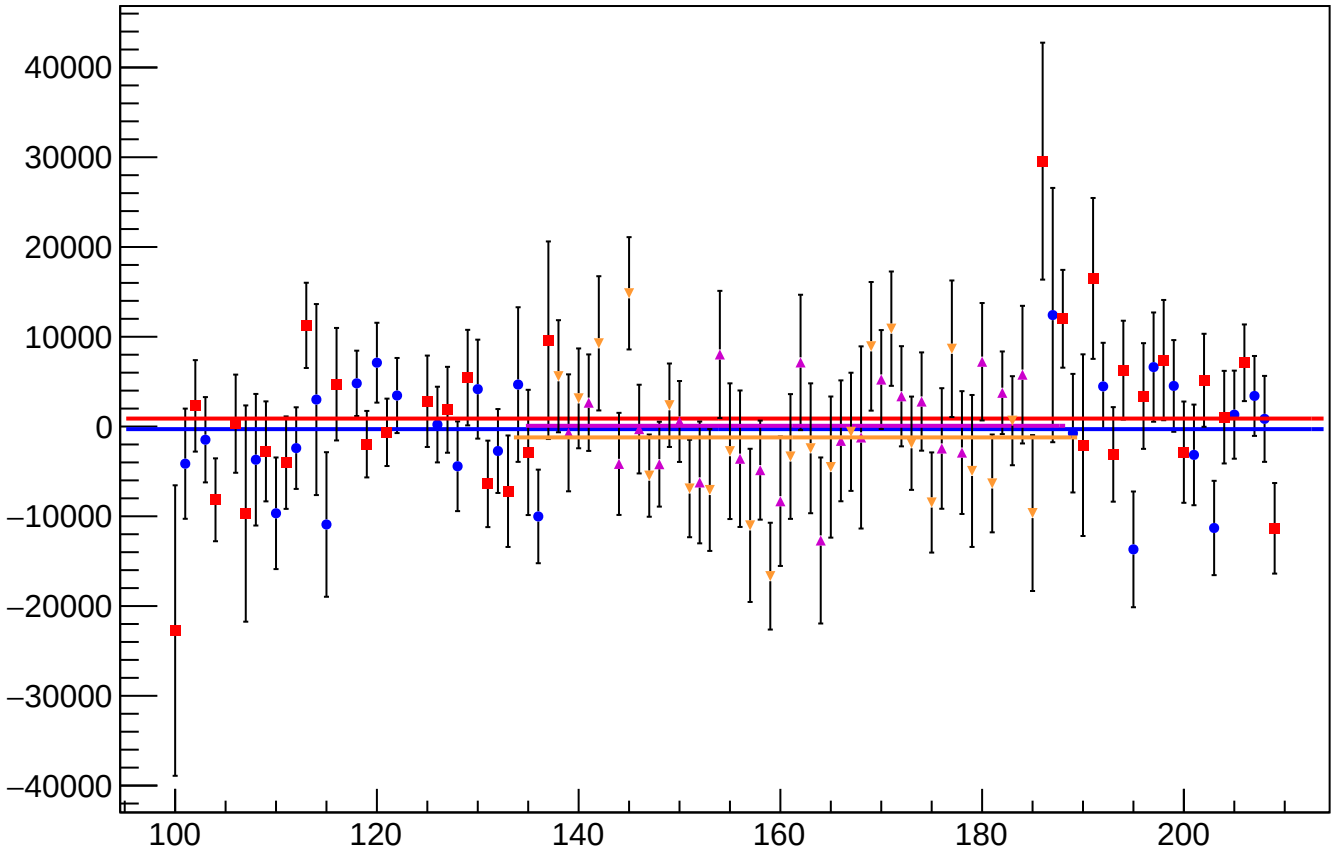
Right Out: 1418.655+/-0.243 χ^2/NDF: 169087.3/30

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.558+/-0.178 χ^2/NDF: 429257.6/50

All: 1468.566+/-0.125 χ^2/NDF: 913498.6/104

- sign 1469.549+/-0.175 χ^2/NDF: 484177.2/53



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 886.542+/-994.641 χ^2/NDF: 43.7/30

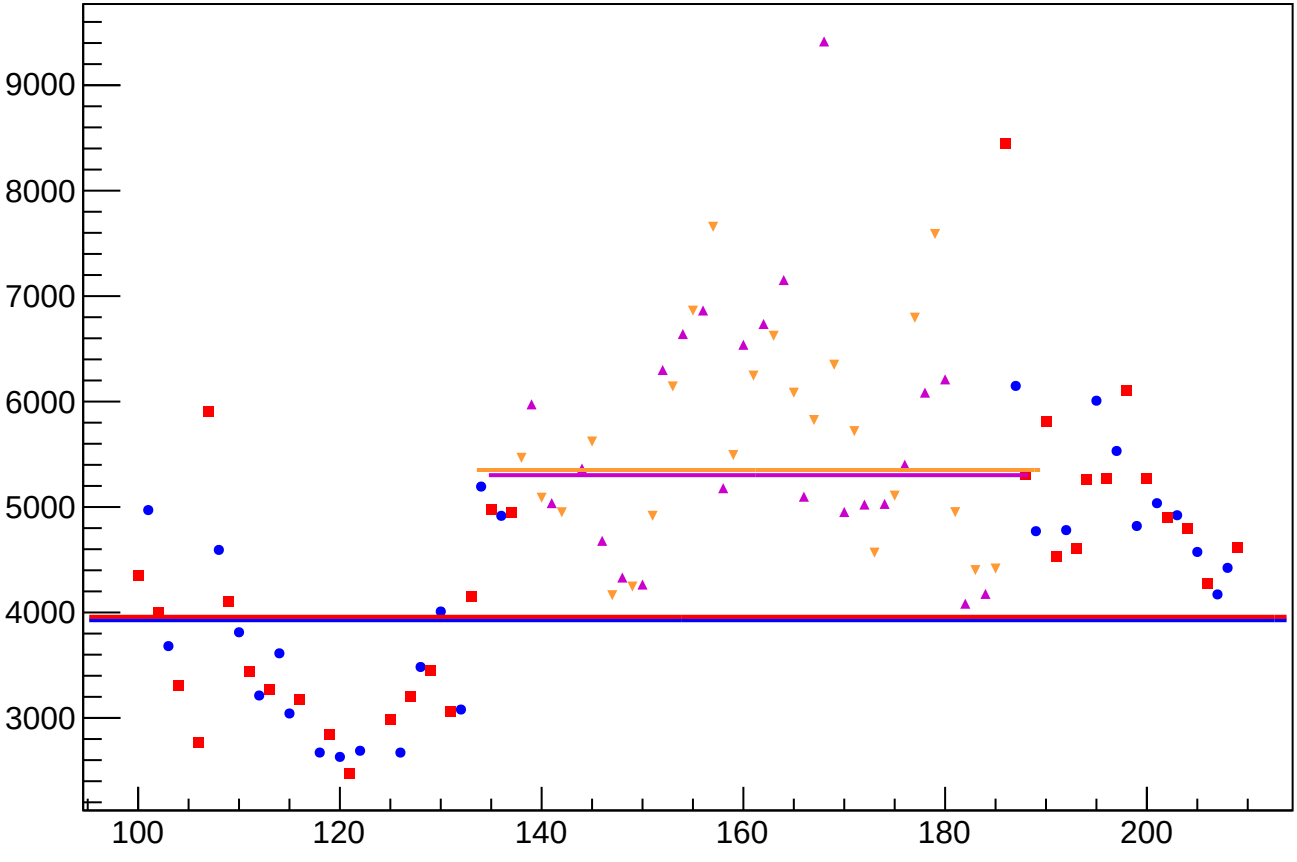
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -652.912+/-795.216 χ^2/NDF: 63.3/50

All: -26.692+/-557.474 χ^2/NDF: 121.7/104

- sign 578.469+/-781.731 χ^2/NDF: 57.1/53

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3959.356+/-0.703 χ^2/NDF: 2196912.2/30

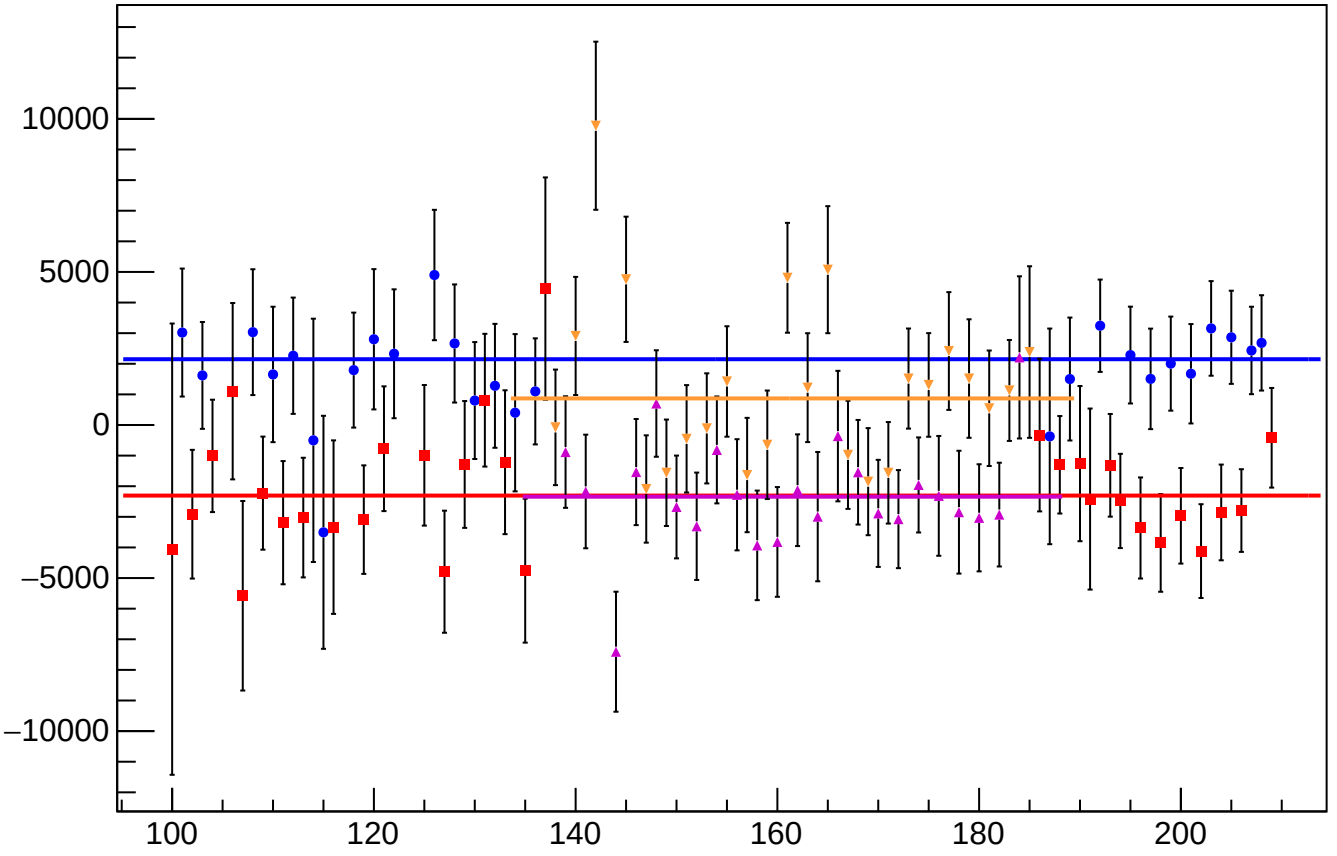
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4486.678+/-0.562 χ^2/NDF: 4475066.7/50

All: 4479.573+/-0.394 χ^2/NDF: 9322193.5/10

- sign 4472.708+/-0.553 χ^2/NDF: 4846812.9/53

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2305.291+/-351.175 χ^2/NDF: 19.4/30

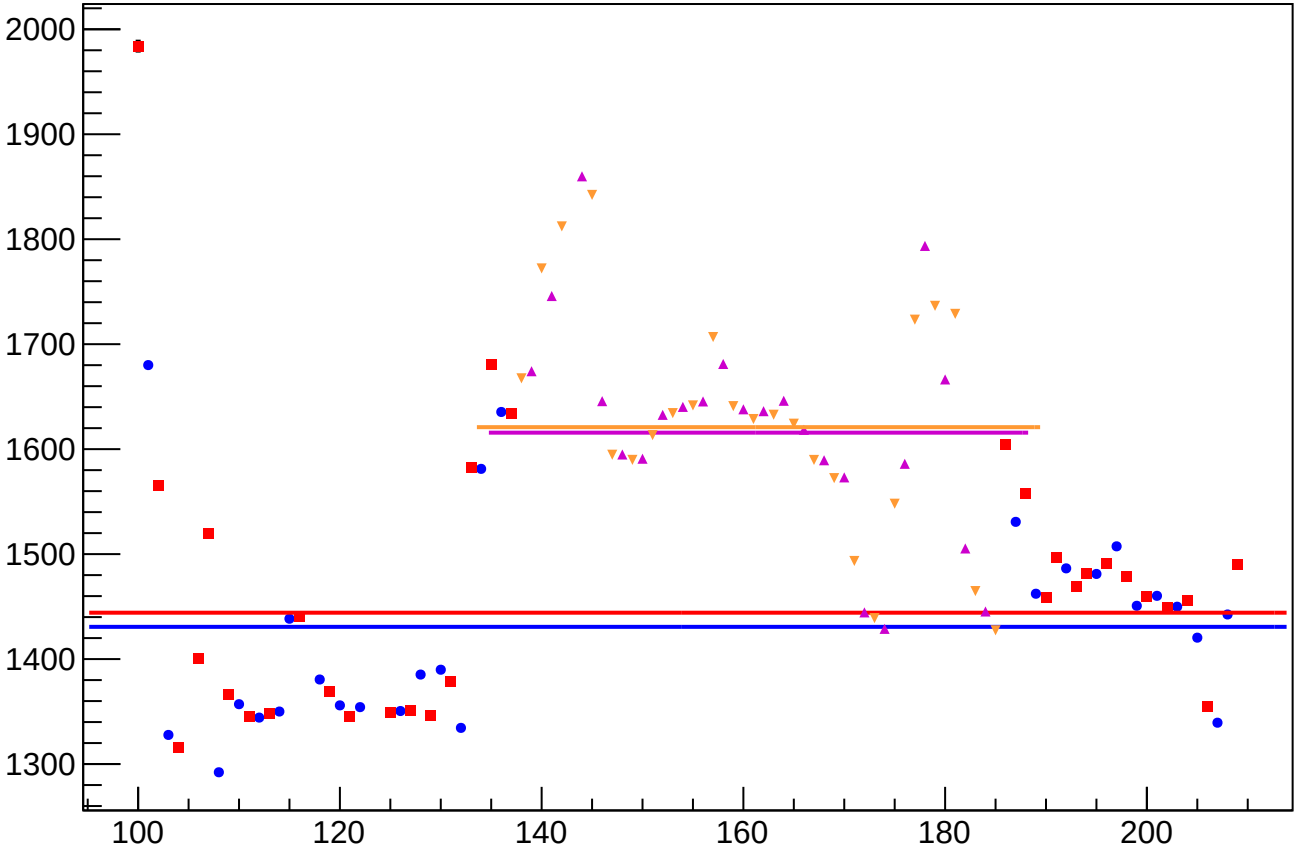
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1537.599+/-260.614 χ^2/NDF: 54.5/50

All: -417.004+/-183.105 χ^2/NDF: 203.1/104

- sign -2322.431+/-257.315 χ^2/NDF: 37.5/53

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1430.709+/-0.255 χ^2/NDF: 122986.0/26

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1444.187+/-0.248 χ^2/NDF: 131131.6/30

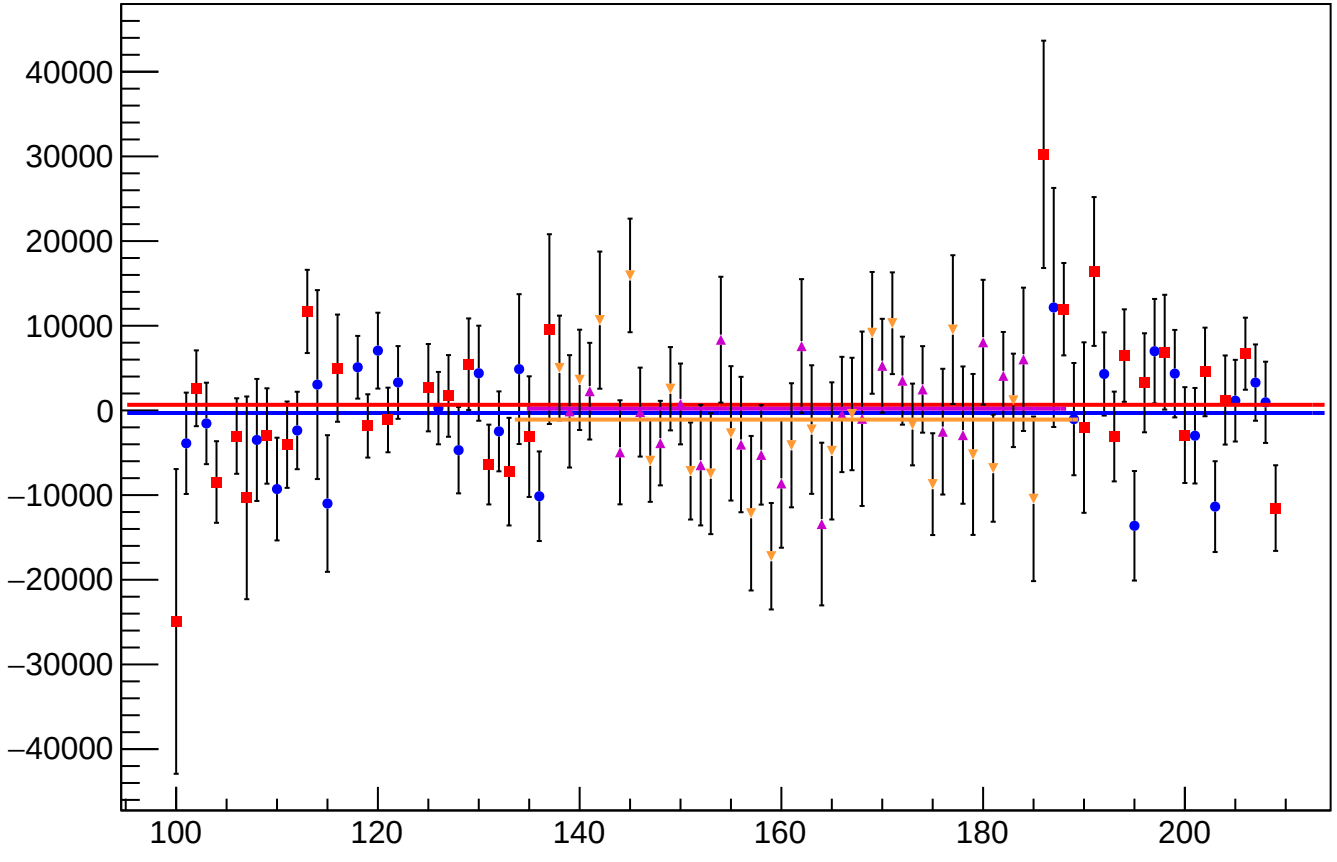
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1521.531+/-0.184 χ^2/NDF: 530844.2/50

All: 1522.538+/-0.129 χ^2/NDF: 1020360.8/10

- sign 1523.518+/-0.182 χ^2/NDF: 489457.7/53

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -302.679+/-1029.977 χ^2/NDF: 29.3/26

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 662.755+/-988.993 χ^2/NDF: 44.3/30

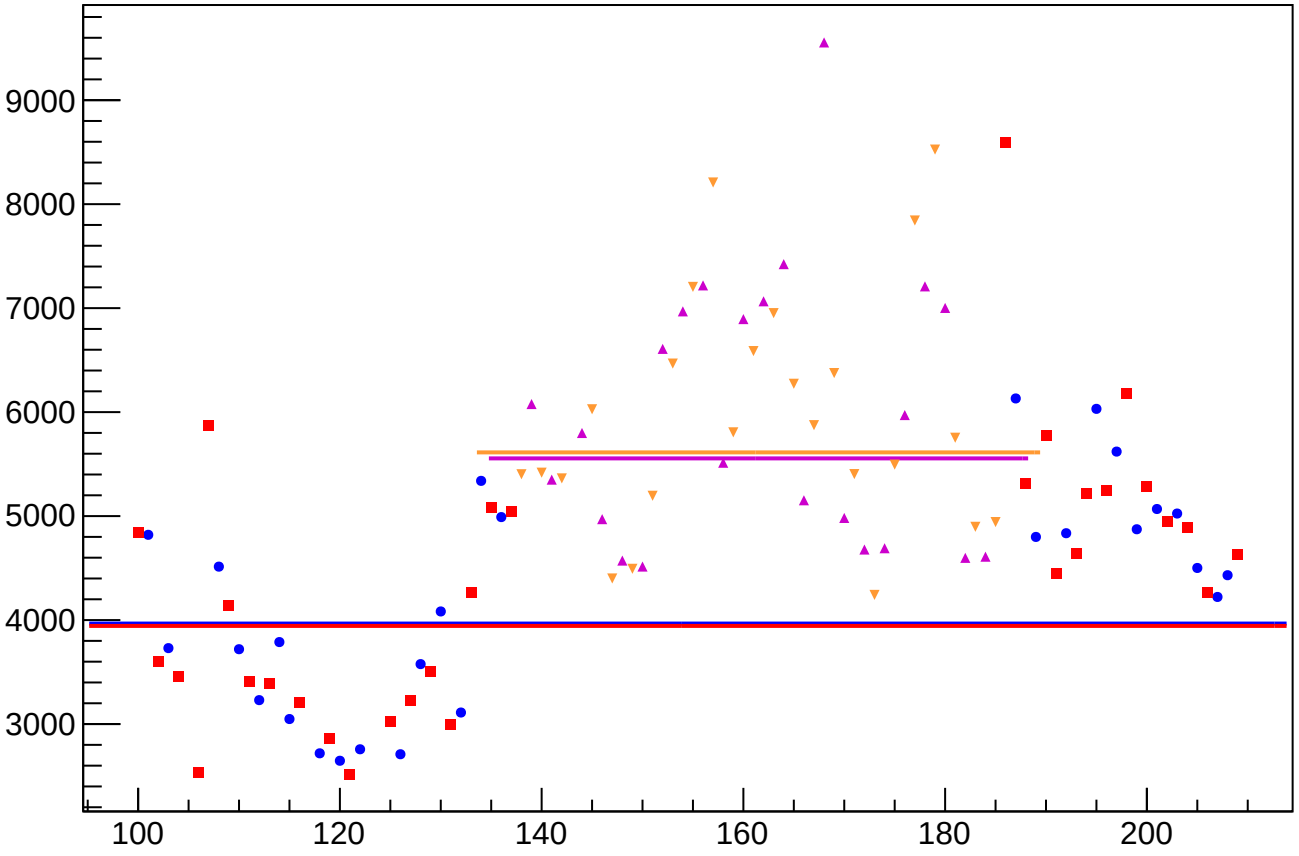
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -594.268+/-814.889 χ^2/NDF: 62.4/50

All: -33.153+/-568.246 χ^2/NDF: 120.6/104

- sign 497.967+/-792.809 χ^2/NDF: 57.3/53

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3966.480+/-0.728 χ^2/NDF: 1825964.0/26

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3943.959+/-0.699 χ^2/NDF: 2285911.4/30

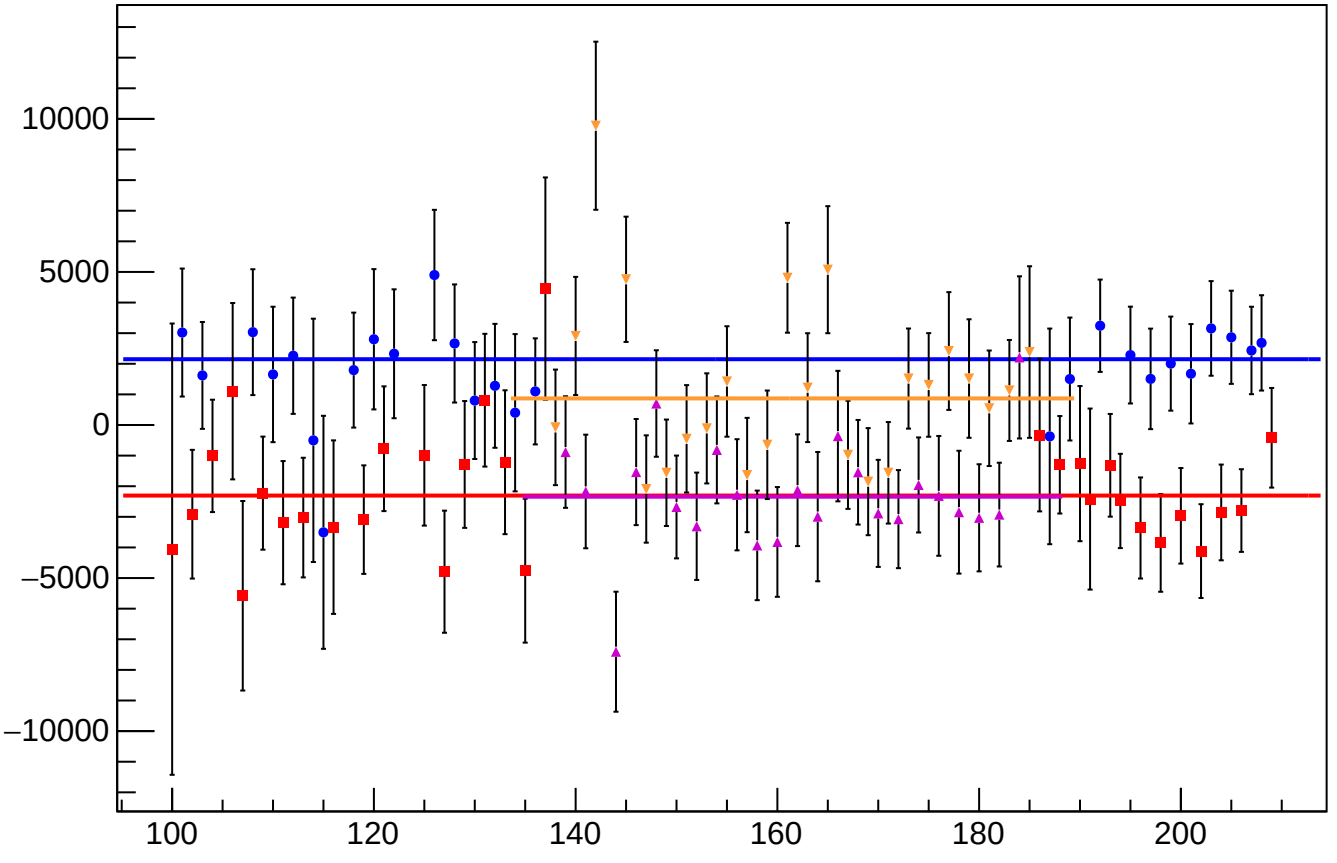
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4582.255+/-0.576 χ^2/NDF: 4925221.9/50

All: 4550.116+/-0.402 χ^2/NDF: 10446663.7/1

- sign 4519.695+/-0.561 χ^2/NDF: 5515386.2/53

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2305.289+/-351.175 χ^2/NDF: 19.4/30

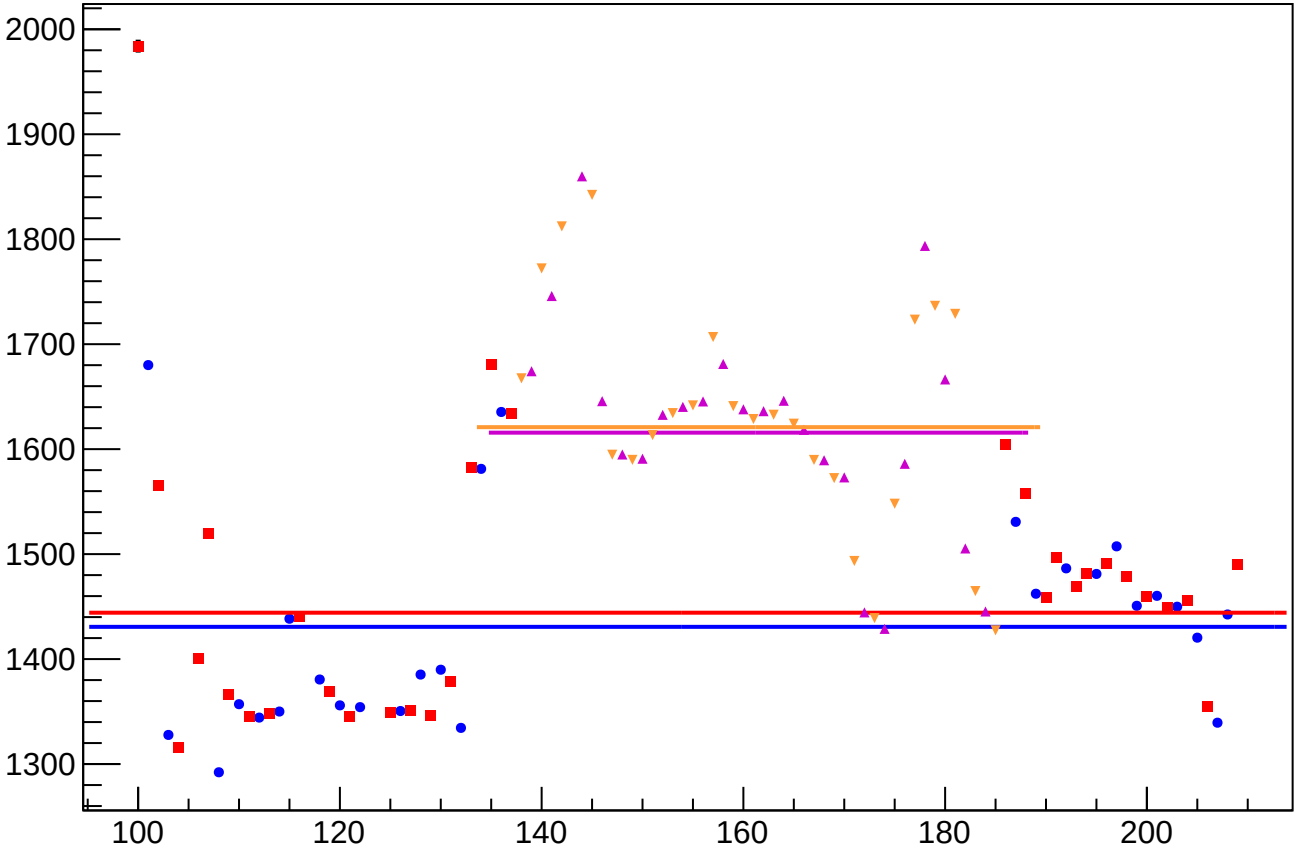
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1537.597+/-260.615 χ^2/NDF: 54.5/50

All: -417.005+/-183.105 χ^2/NDF: 203.1/104

- sign -2322.430+/-257.315 χ^2/NDF: 37.5/53

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1430.709+/-0.255 χ^2/NDF: 122985.9/26

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

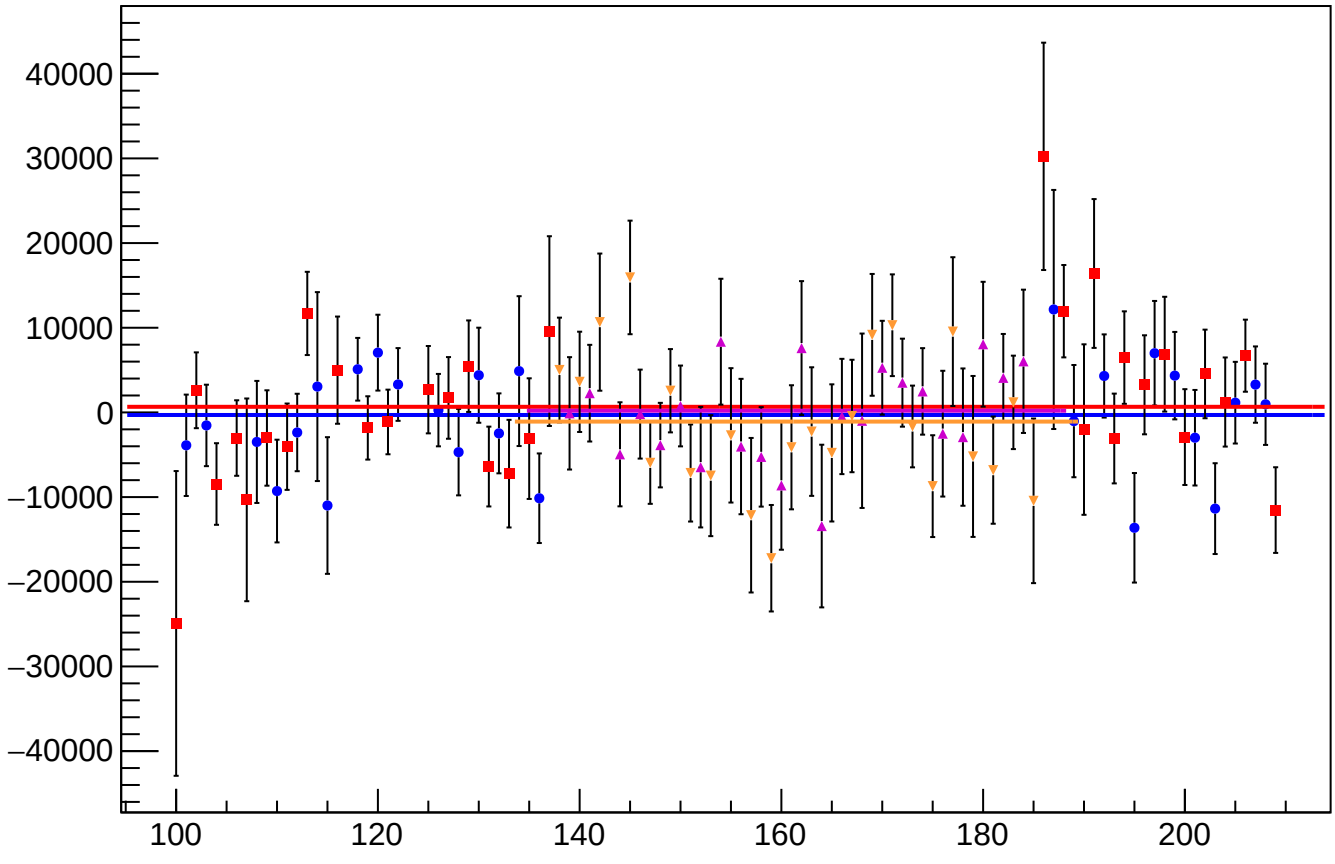
Right Out: 1444.187+/-0.248 χ^2/NDF: 131131.9/30

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1521.532+/-0.184 χ^2/NDF: 530852.1/50

All: 1522.539+/-0.129 χ^2/NDF: 1020376.7/10

- sign 1523.519+/-0.182 χ^2/NDF: 489465.8/53



Right In: -302.674+/-1029.976 χ^2/NDF: 29.3/26

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 662.747+/-988.992 χ^2/NDF: 44.3/30

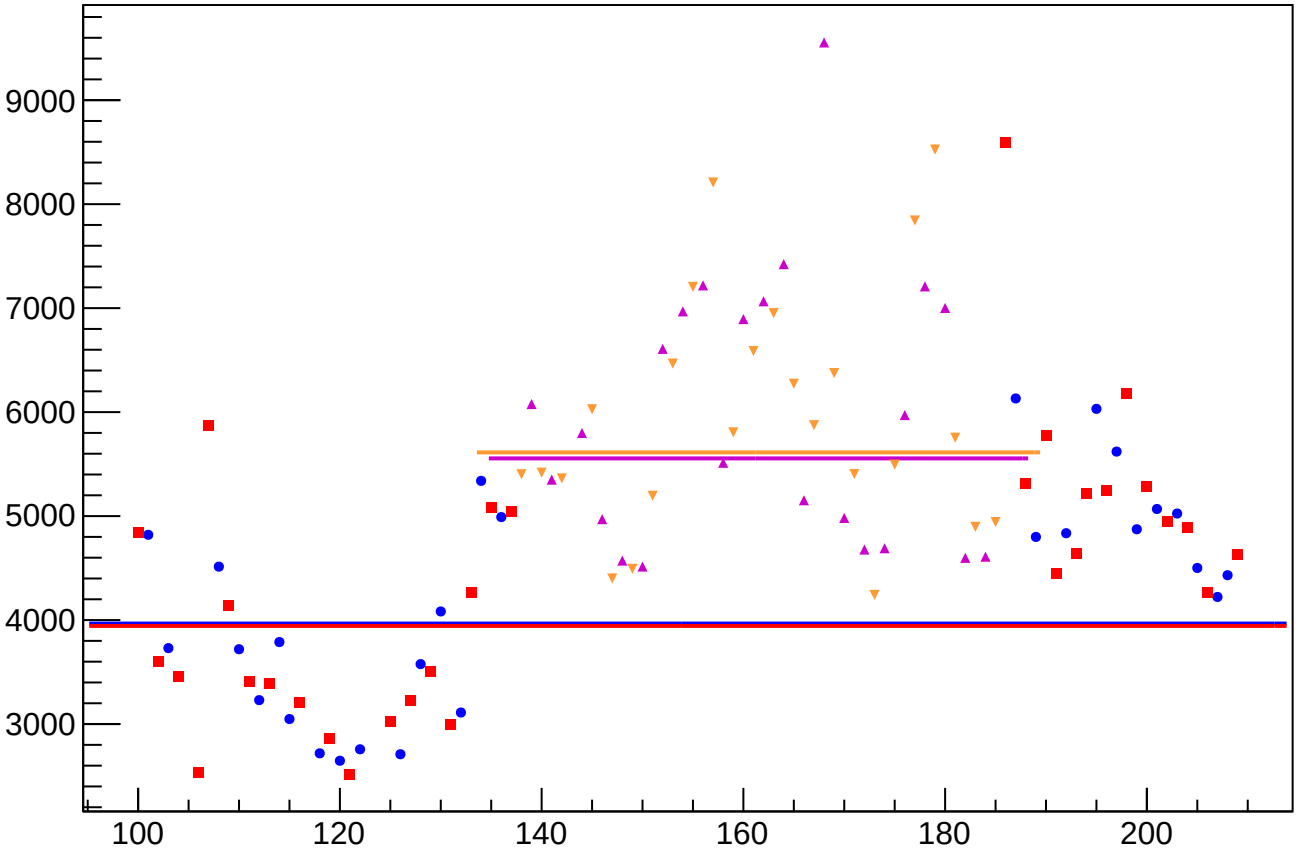
Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -594.267+/-814.889 χ^2/NDF: 62.4/50

All: -33.154+/-568.246 χ^2/NDF: 120.6/104

\- sign 497.963+/-792.809 χ^2/NDF: 57.3/53

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3966.474+/-0.728 χ^2/NDF: 1825998.9/26

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3943.952+/-0.699 χ^2/NDF: 2285941.2/30

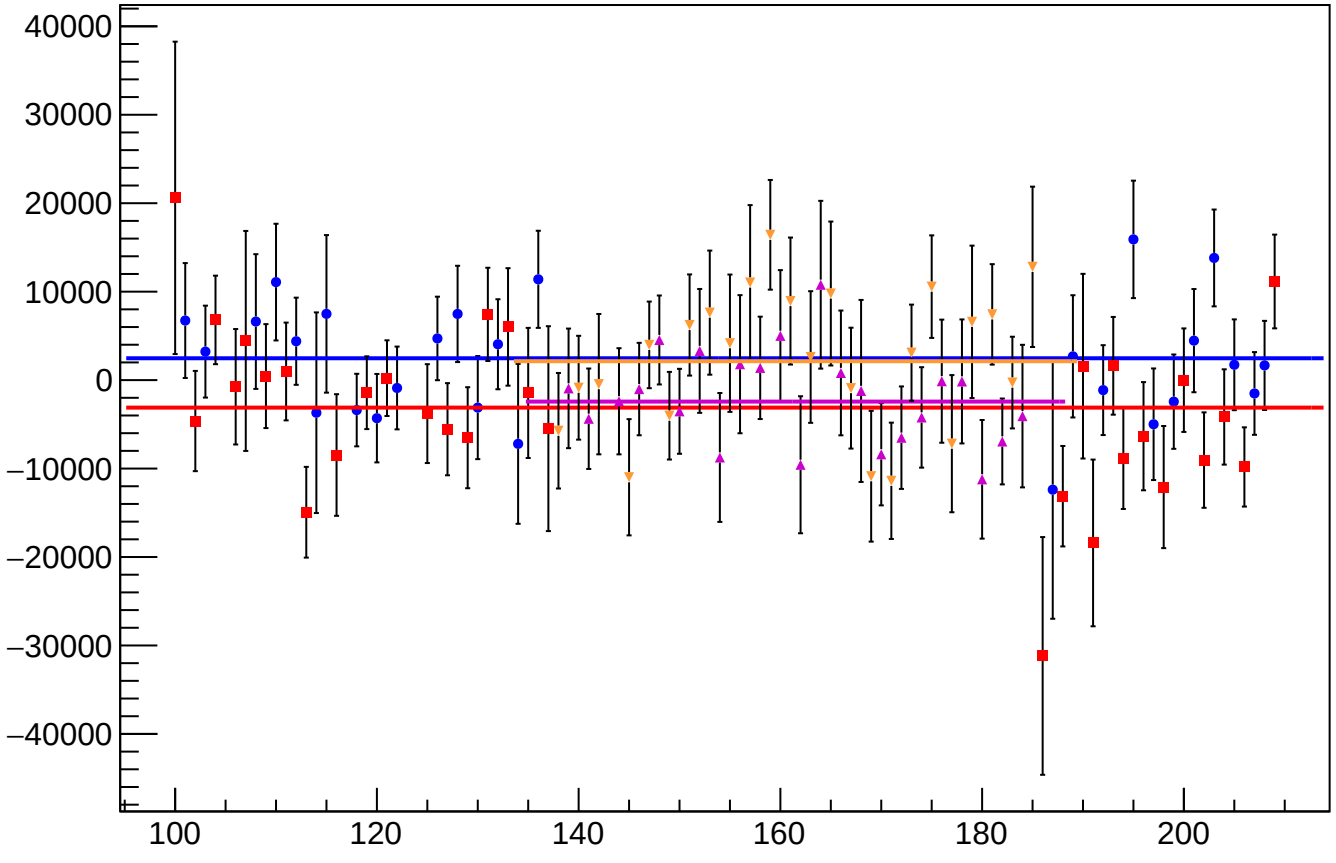
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4582.252+/-0.576 χ^2/NDF: 4925290.0/50

All: 4550.113+/-0.402 χ^2/NDF: 10446796.4/1

- sign 4519.691+/-0.561 χ^2/NDF: 5515450.6/53

asym_usl_atl2_avg_mean vs Slug



Right In: 2470.290+/-1095.613 χ^2/NDF: 26.6/26

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3108.950+/-1069.381 χ^2/NDF: 45.5/30

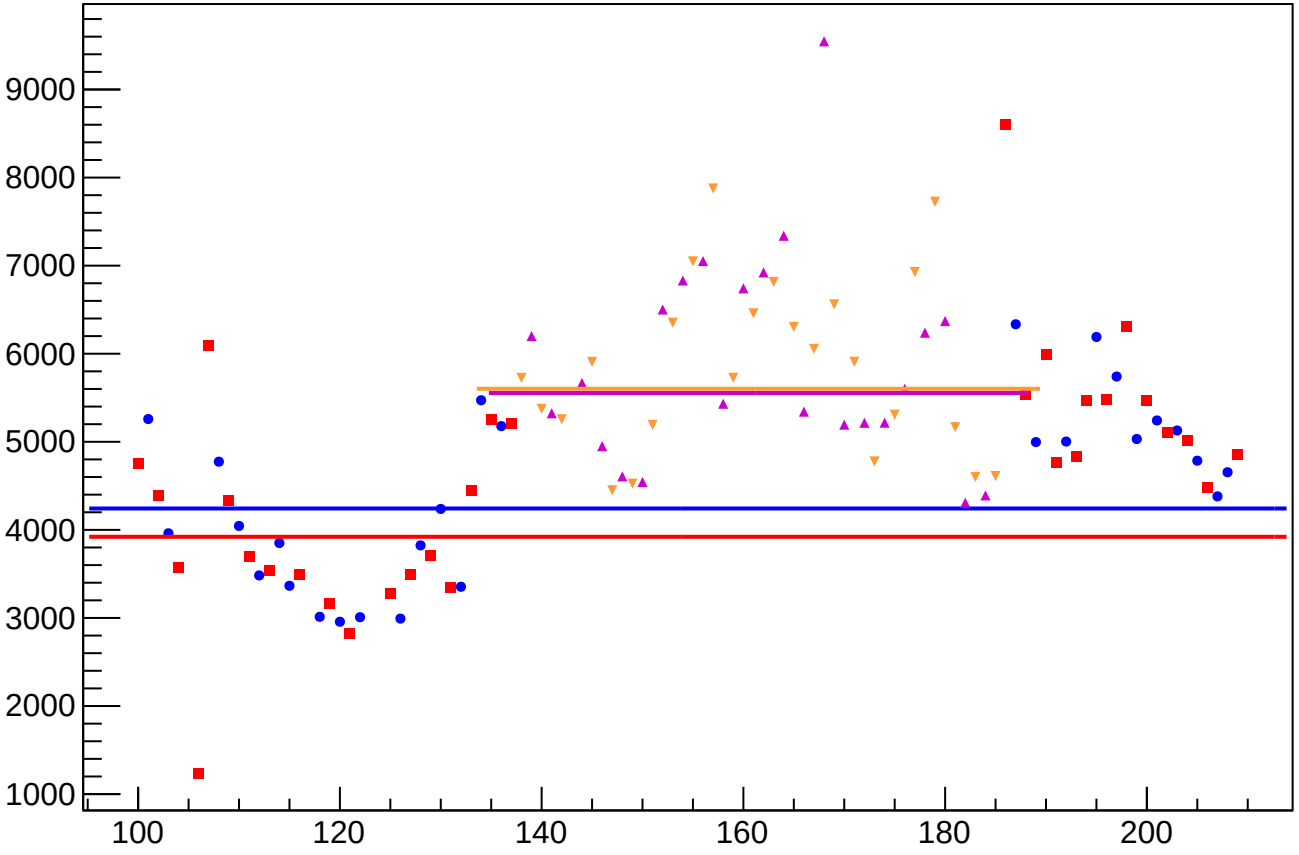
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2335.337+/-844.189 χ^2/NDF: 57.3/50

All: -292.184+/-592.283 χ^2/NDF: 134.9/104

- sign -2839.411+/-831.191 χ^2/NDF: 58.5/53

asym_usl_atl2_avg_rms vs Slug



Right In: 4242.819+/-0.775 χ^2/NDF: 1482266.4/26

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

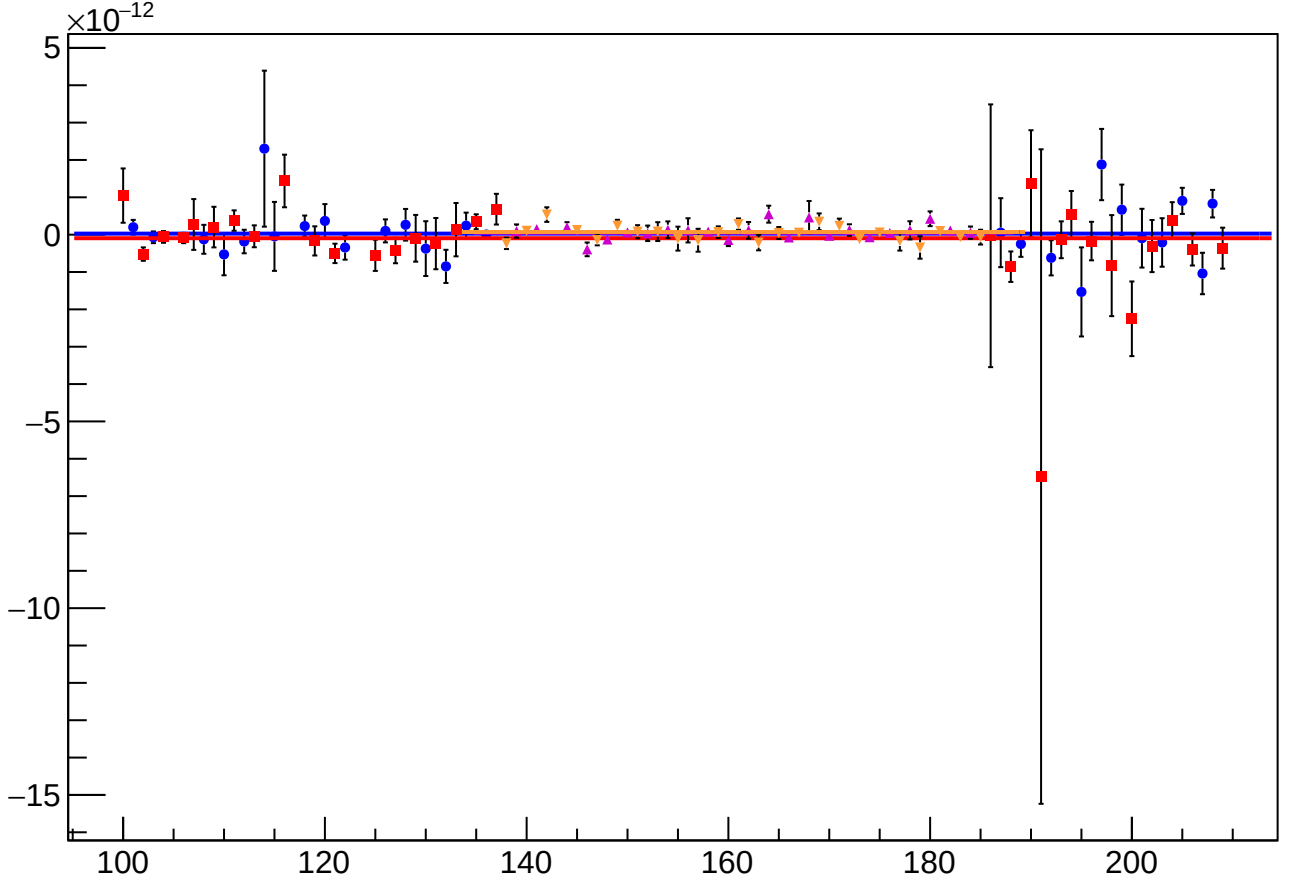
Right Out: 3921.580+/-0.716 χ^2/NDF: 3761726.3/30

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4795.165+/-0.597 χ^2/NDF: 3673812.6/50

All: 4653.920+/-0.412 χ^2/NDF: 10577934.7/1

- sign 4525.876+/-0.568 χ^2/NDF: 6797378.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 42.4/30

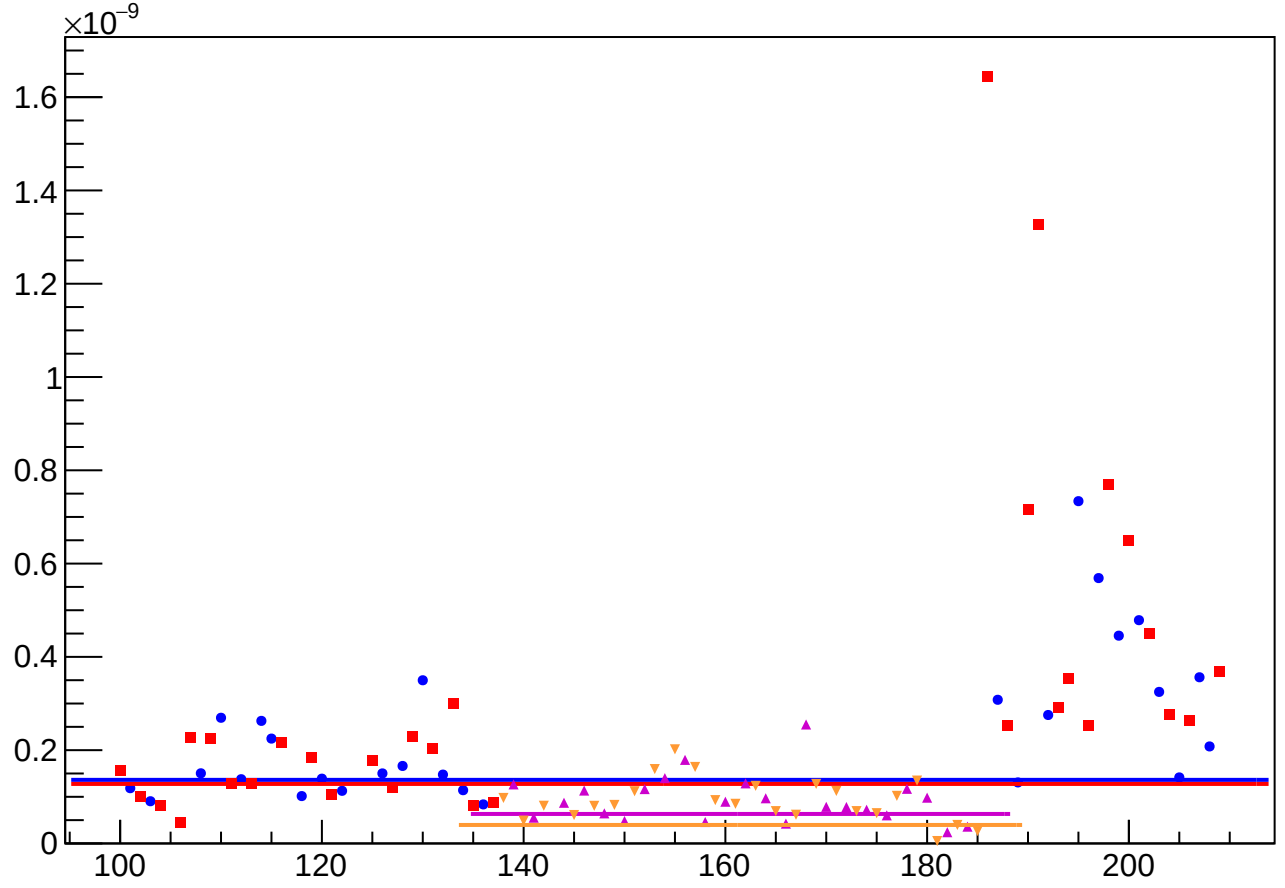
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.7/50

All: 0.000+/-0.000 χ^2/NDF: 137.8/104

- sign 0.000+/-0.000 χ^2/NDF: 72.7/53

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3387356.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5202100.1/30

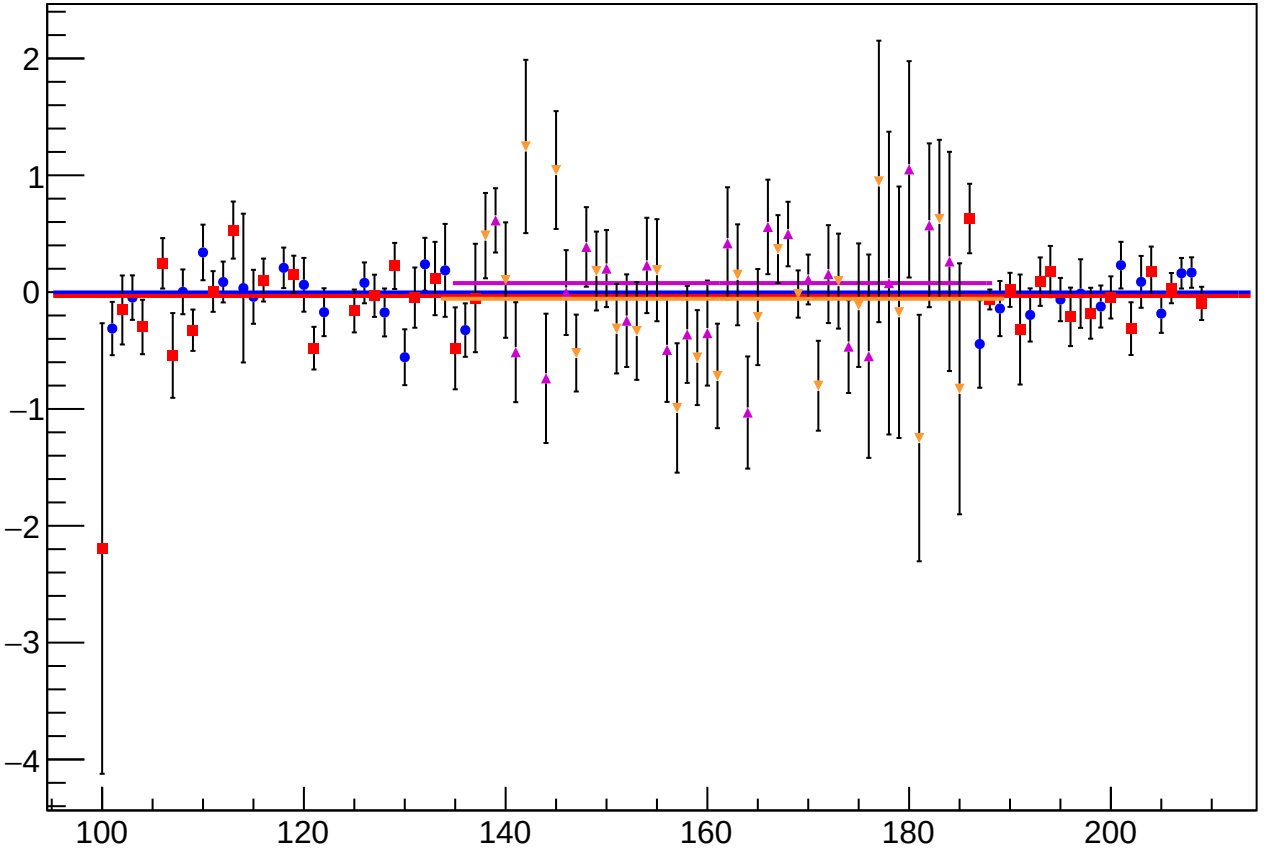
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14399013.7/50

All: 0.000+/-0.000 χ^2/NDF: 25446220.6/104

- sign 0.000+/-0.000 χ^2/NDF: 9943855.5/53

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

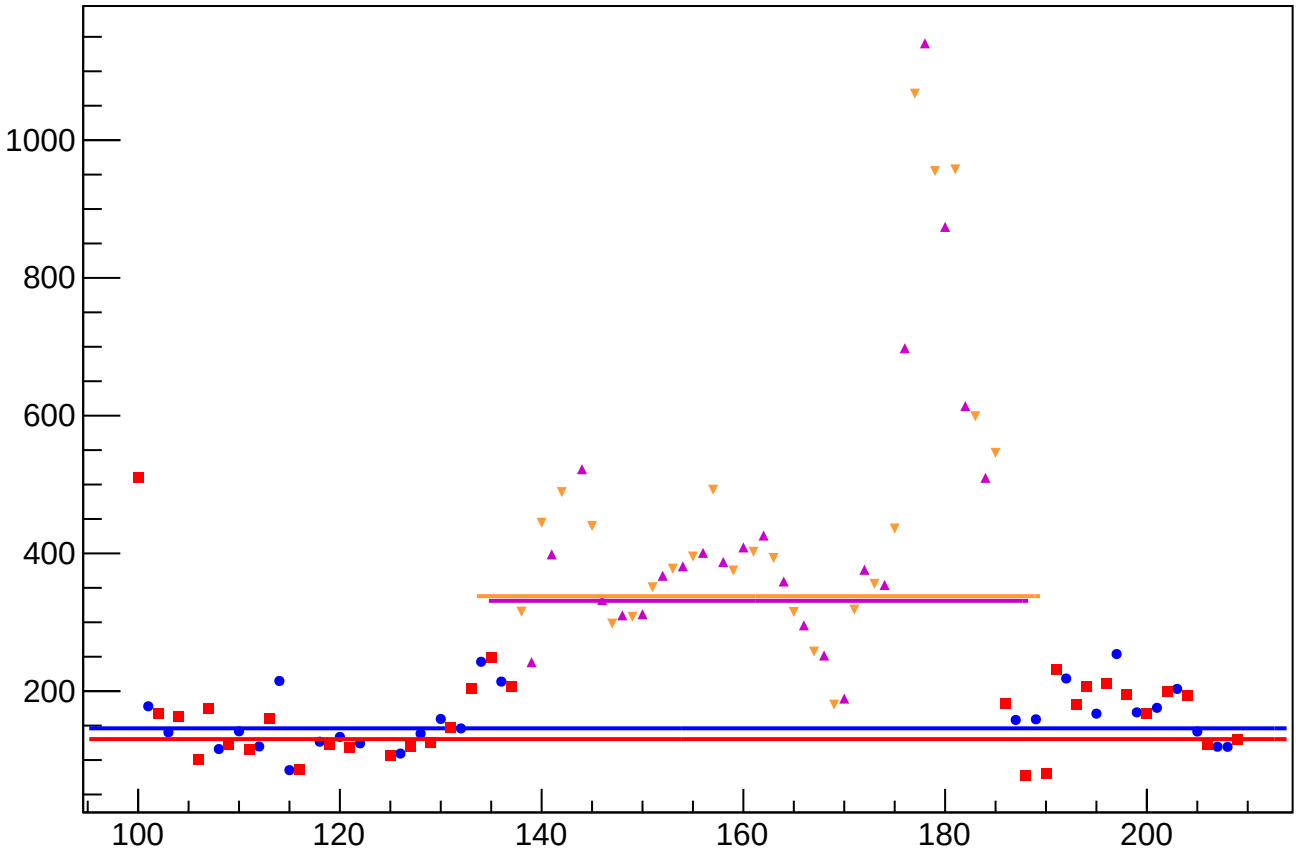
Right Out: -0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.015+/-0.024 χ^2/NDF: 121.6/104

- sign -0.016+/-0.032 χ^2/NDF: 65.7/53



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

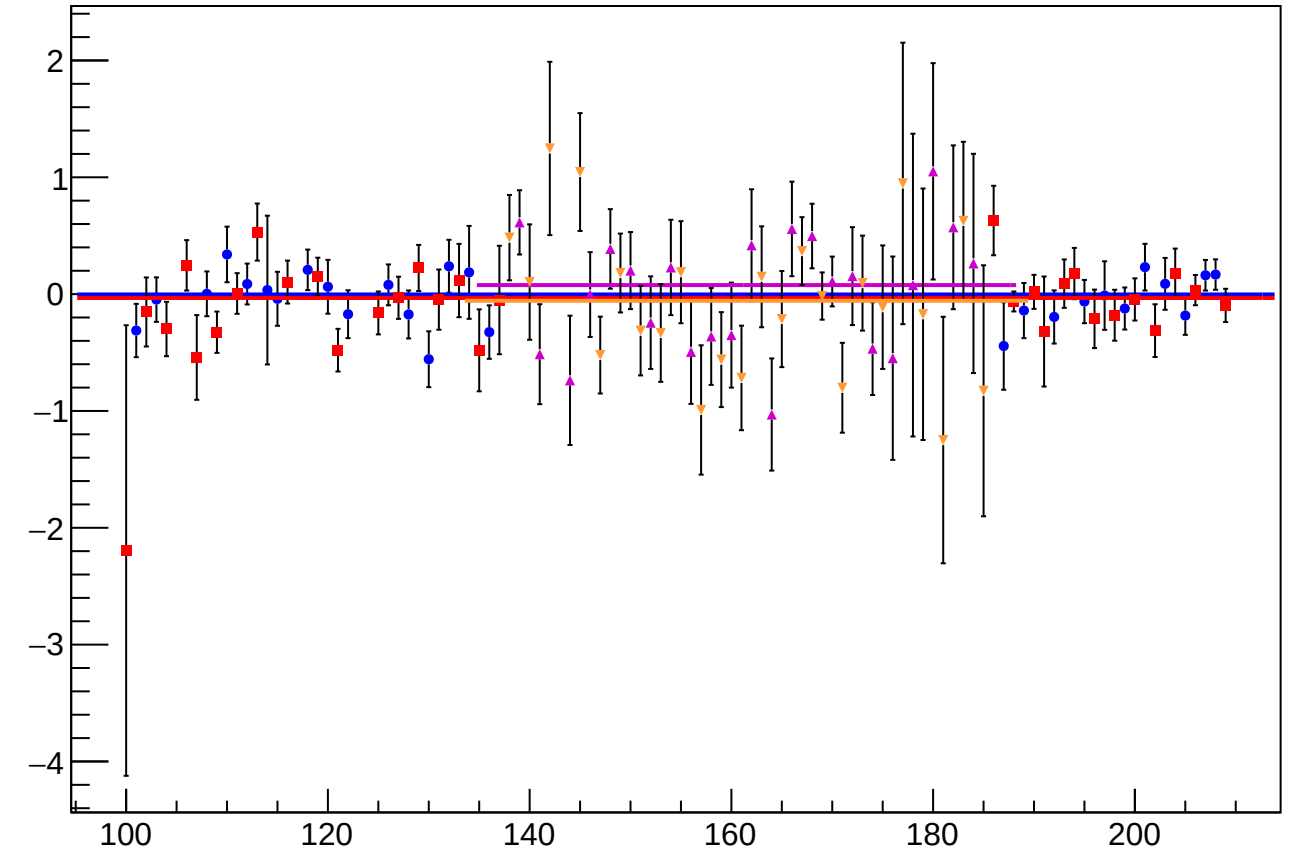
Right Out: 130.374+/-0.025 χ^2/NDF: 3206749.5/30

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488804.2/50

All: 168.695+/-0.017 χ^2/NDF: 31991035.9/10

- sign 160.121+/-0.023 χ^2/NDF: 17184989.4/53



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

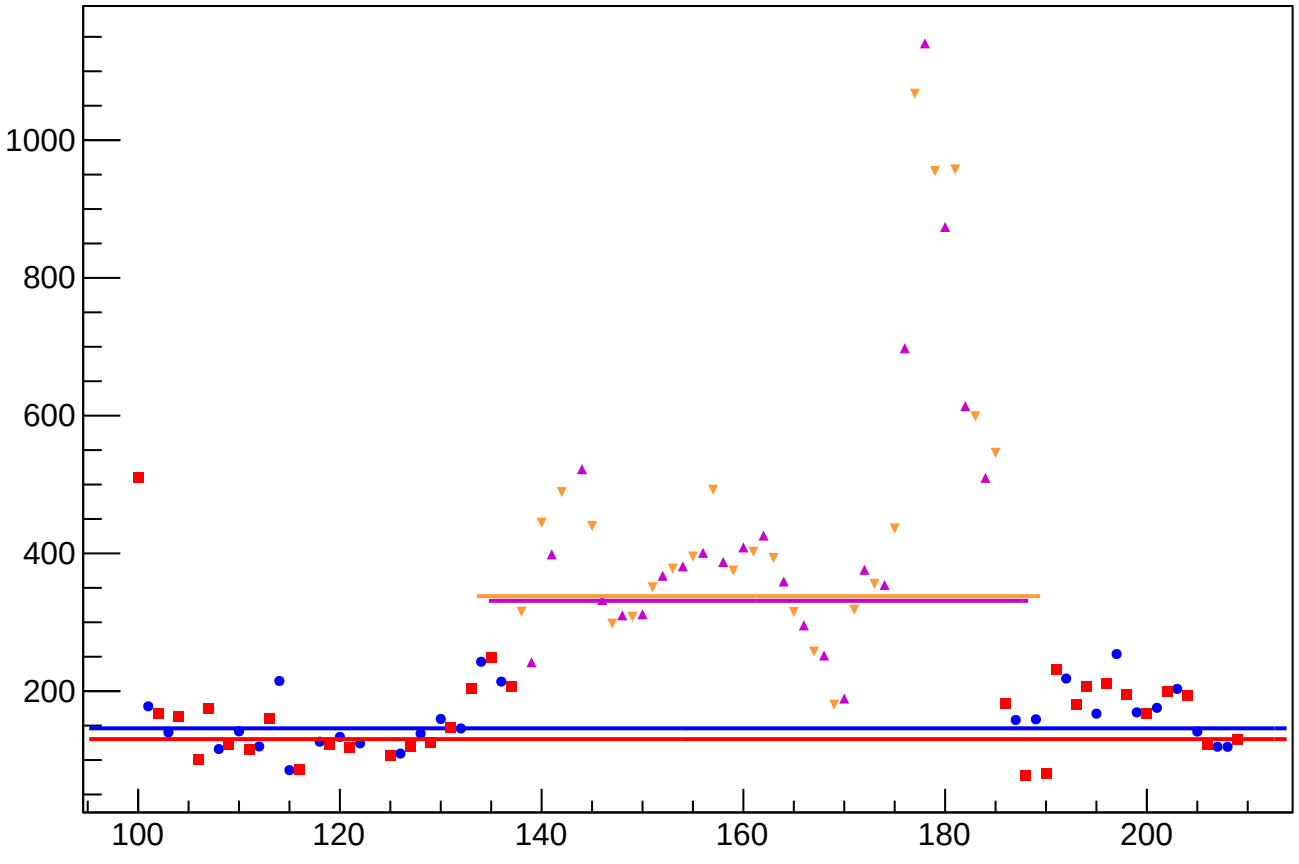
Right Out: -0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.015+/-0.024 χ^2/NDF: 121.6/104

- sign -0.016+/-0.032 χ^2/NDF: 65.7/53



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

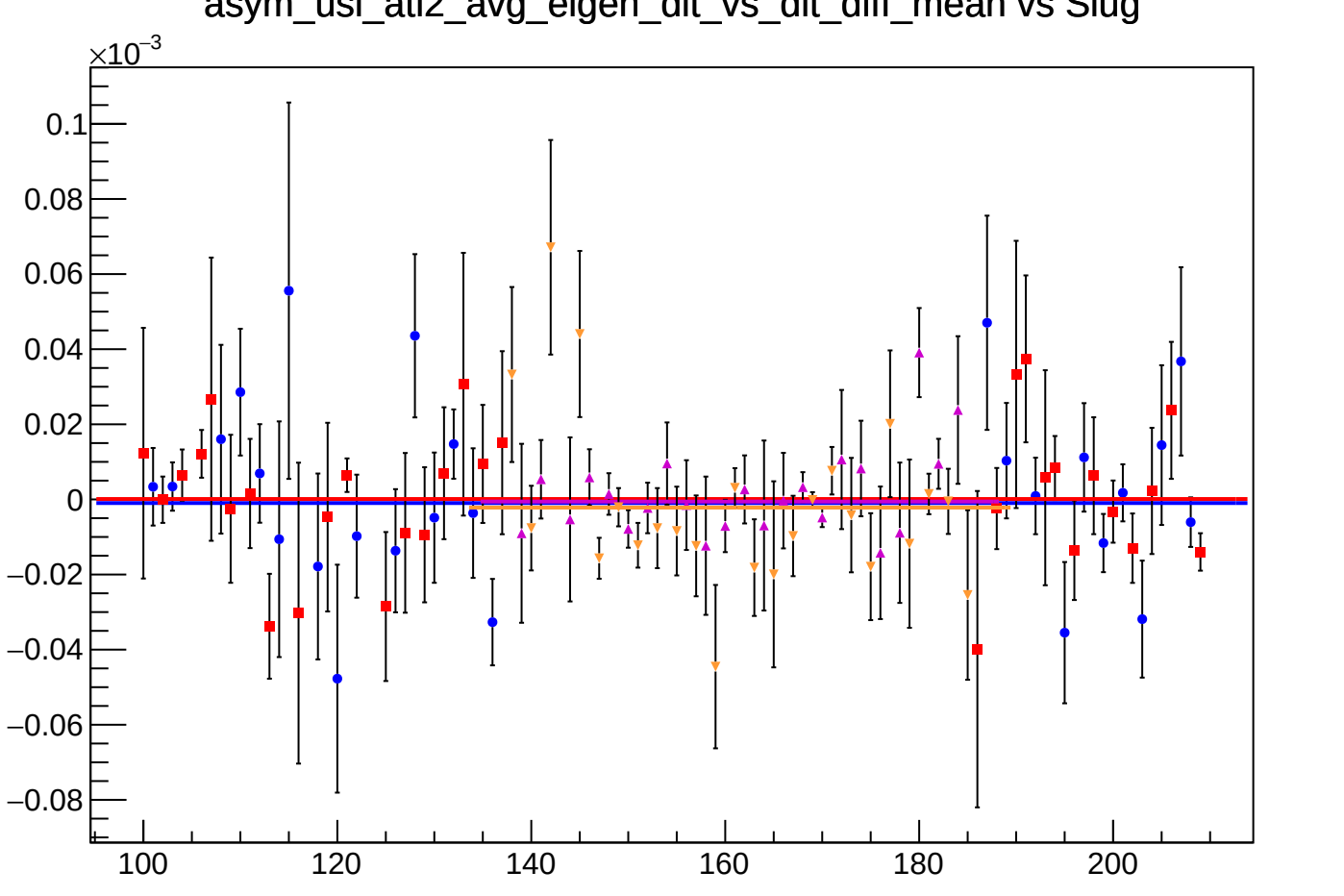
Right Out: 130.374+/-0.025 χ^2/NDF: 3206749.5/30

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488804.2/50

All: 168.695+/-0.017 χ^2/NDF: 31991035.9/10

- sign 160.121+/-0.023 χ^2/NDF: 17184989.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

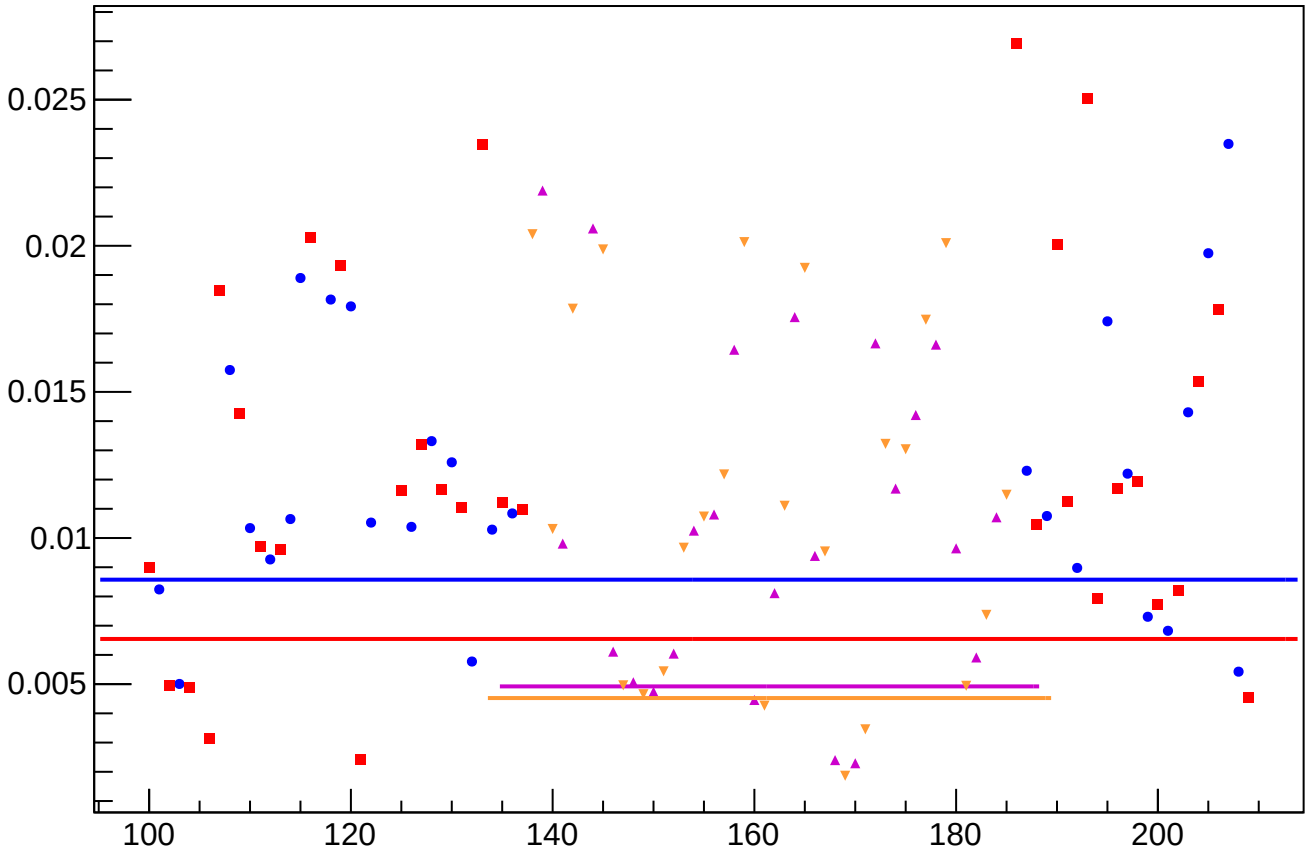
Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/30

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.3/50

All: -0.000+/-0.000 χ^2/NDF: 143.0/104

- sign -0.000+/-0.000 χ^2/NDF: 62.8/53



Right In: 0.009+/-0.000 χ^2/NDF: 4718557.0/26

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

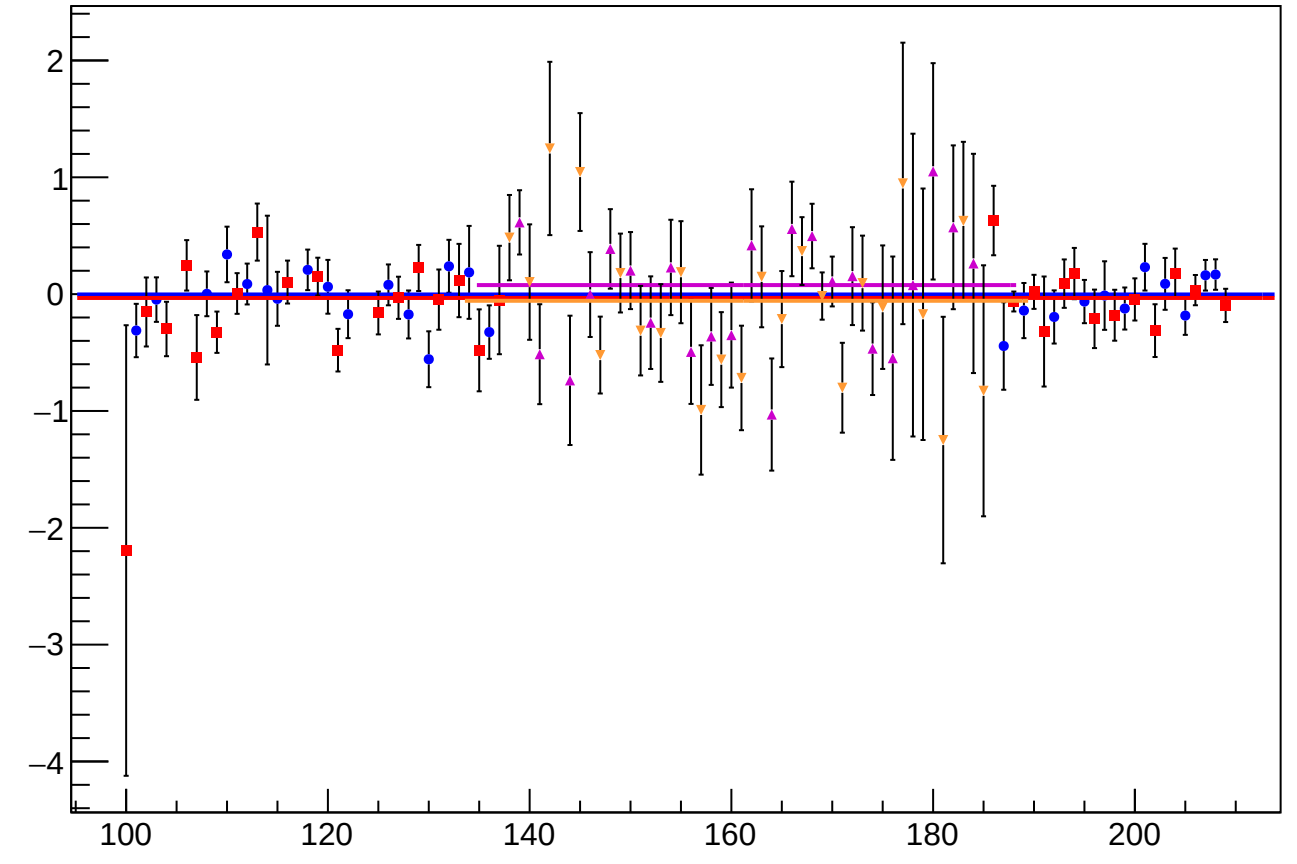
Right Out: 0.007+/-0.000 χ^2/NDF: 9596714.9/30

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.006+/-0.000 χ^2/NDF: 23173610.0/50

All: 0.006+/-0.000 χ^2/NDF: 45278488.1/104

- sign 0.006+/-0.000 χ^2/NDF: 22104678.6/53



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

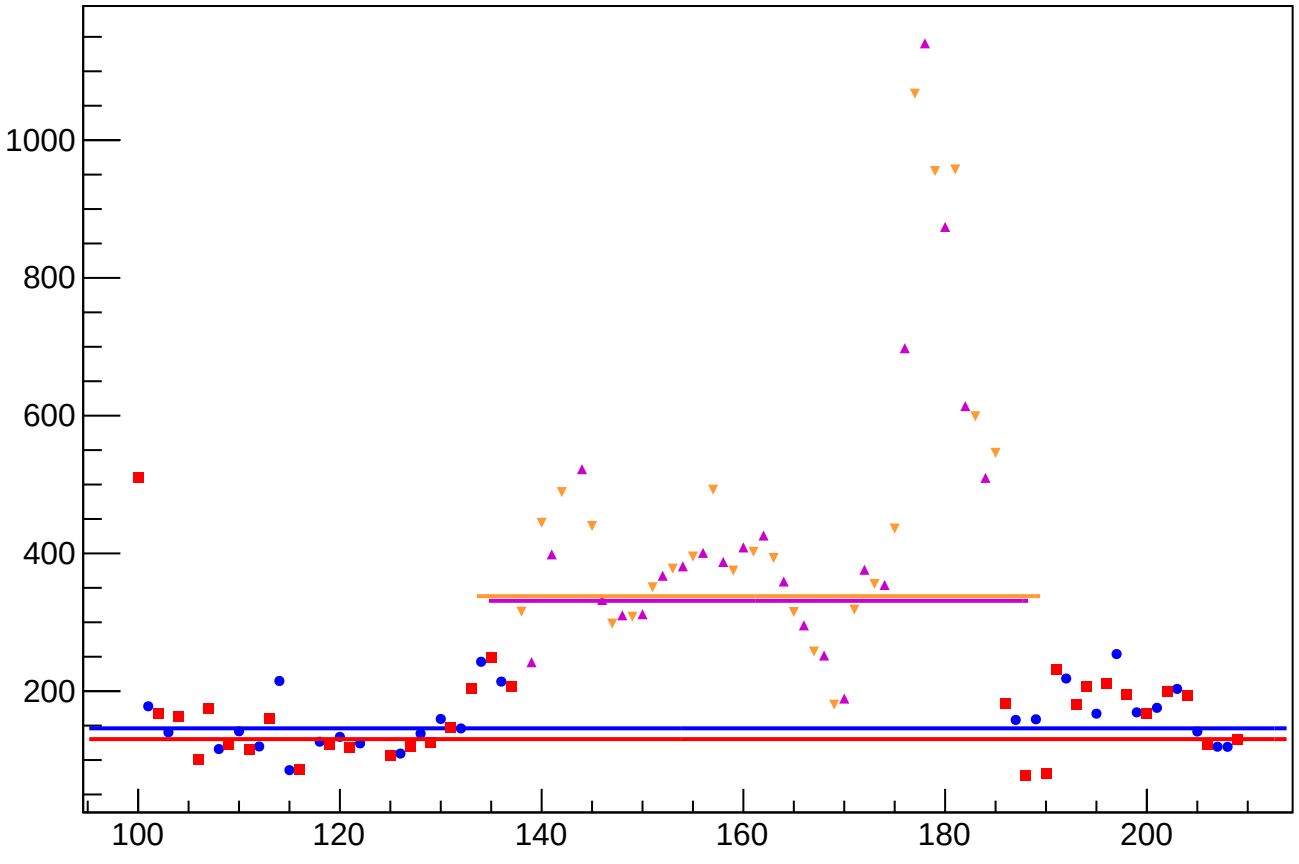
Right Out: -0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.015+/-0.024 χ^2/NDF: 121.6/104

- sign -0.016+/-0.032 χ^2/NDF: 65.7/53



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

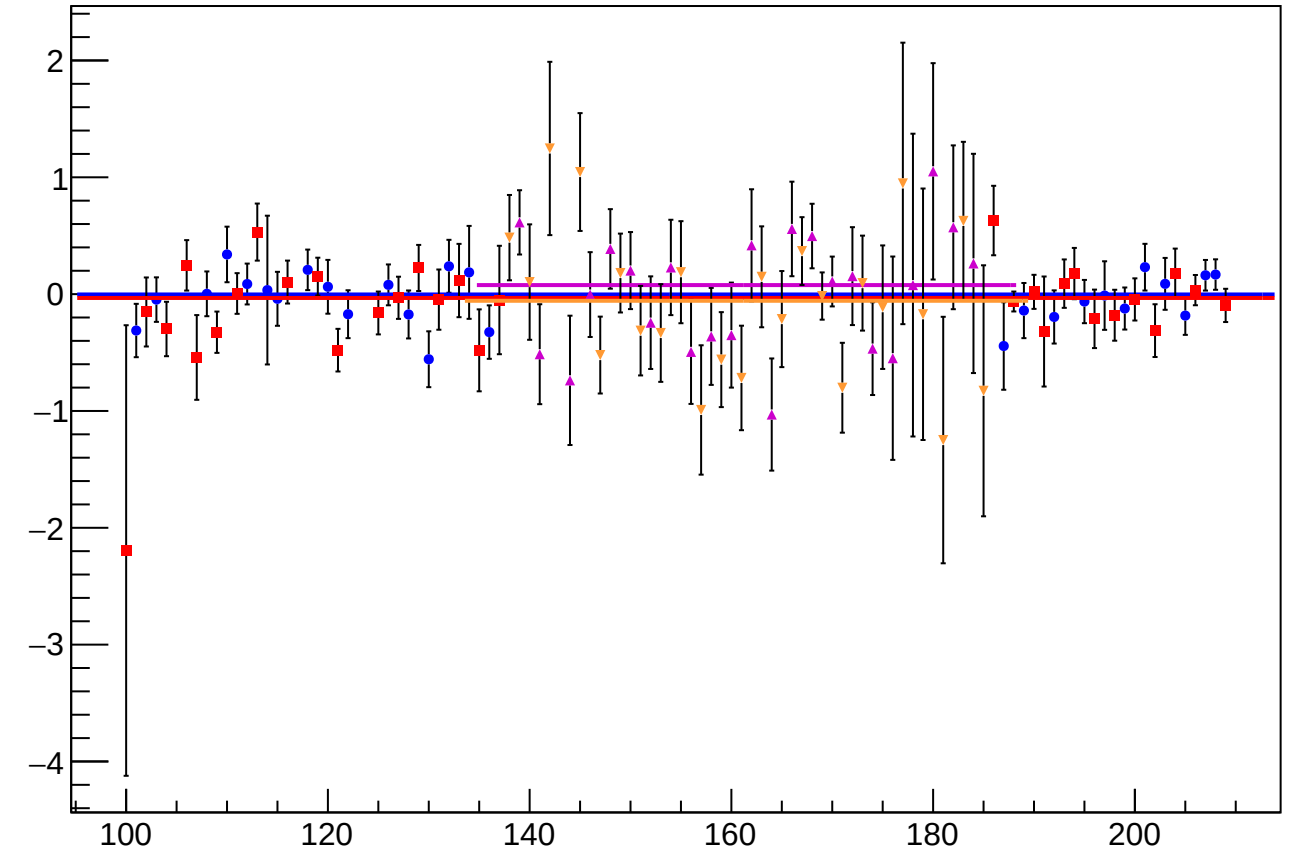
Right Out: 130.373+/-0.025 χ^2/NDF: 3206925.9/30

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488885.1/50

All: 168.695+/-0.017 χ^2/NDF: 31991627.4/10

- sign 160.120+/-0.023 χ^2/NDF: 17185439.9/53



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

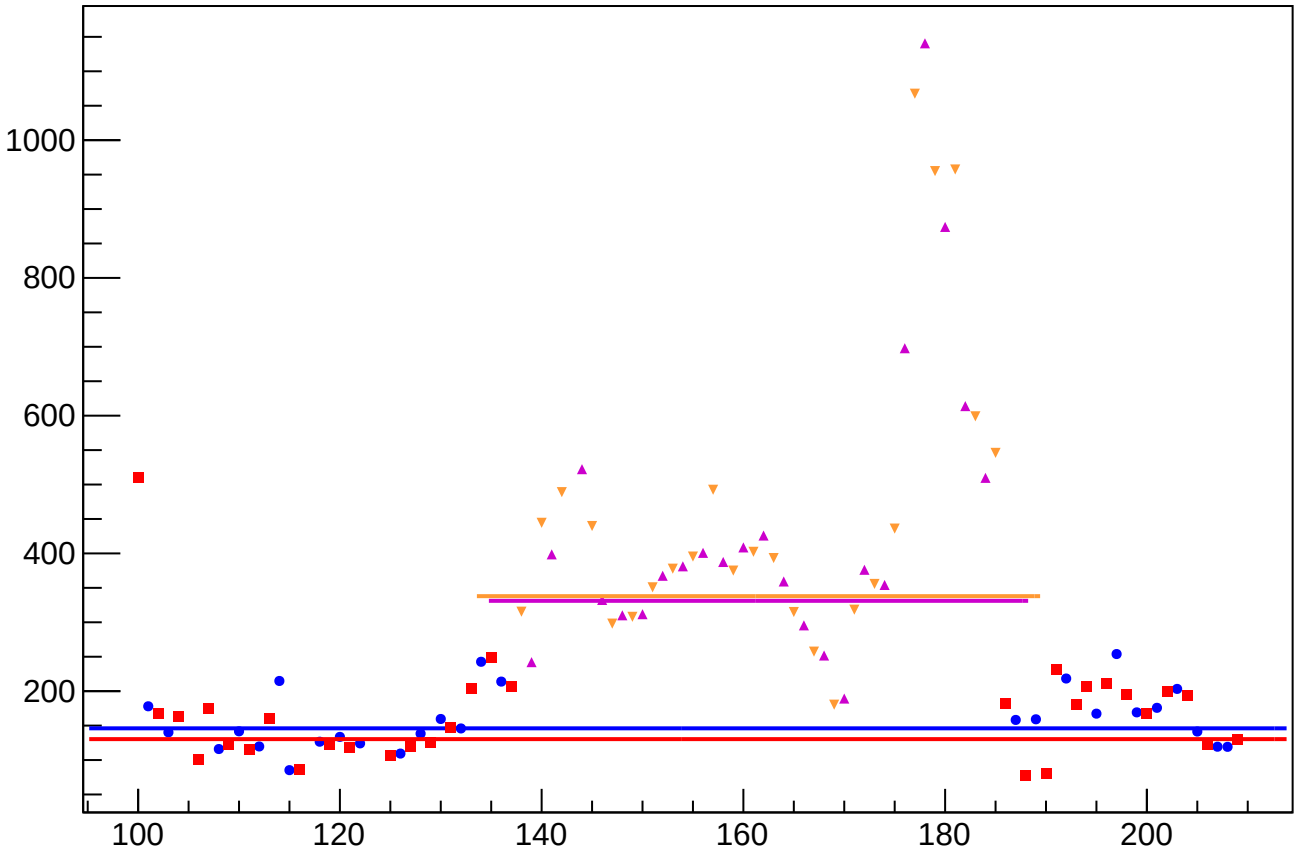
Right Out: -0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.012+/-0.036 χ^2/NDF: 55.8/50

All: -0.015+/-0.024 χ^2/NDF: 121.6/104

- sign -0.016+/-0.032 χ^2/NDF: 65.7/53



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

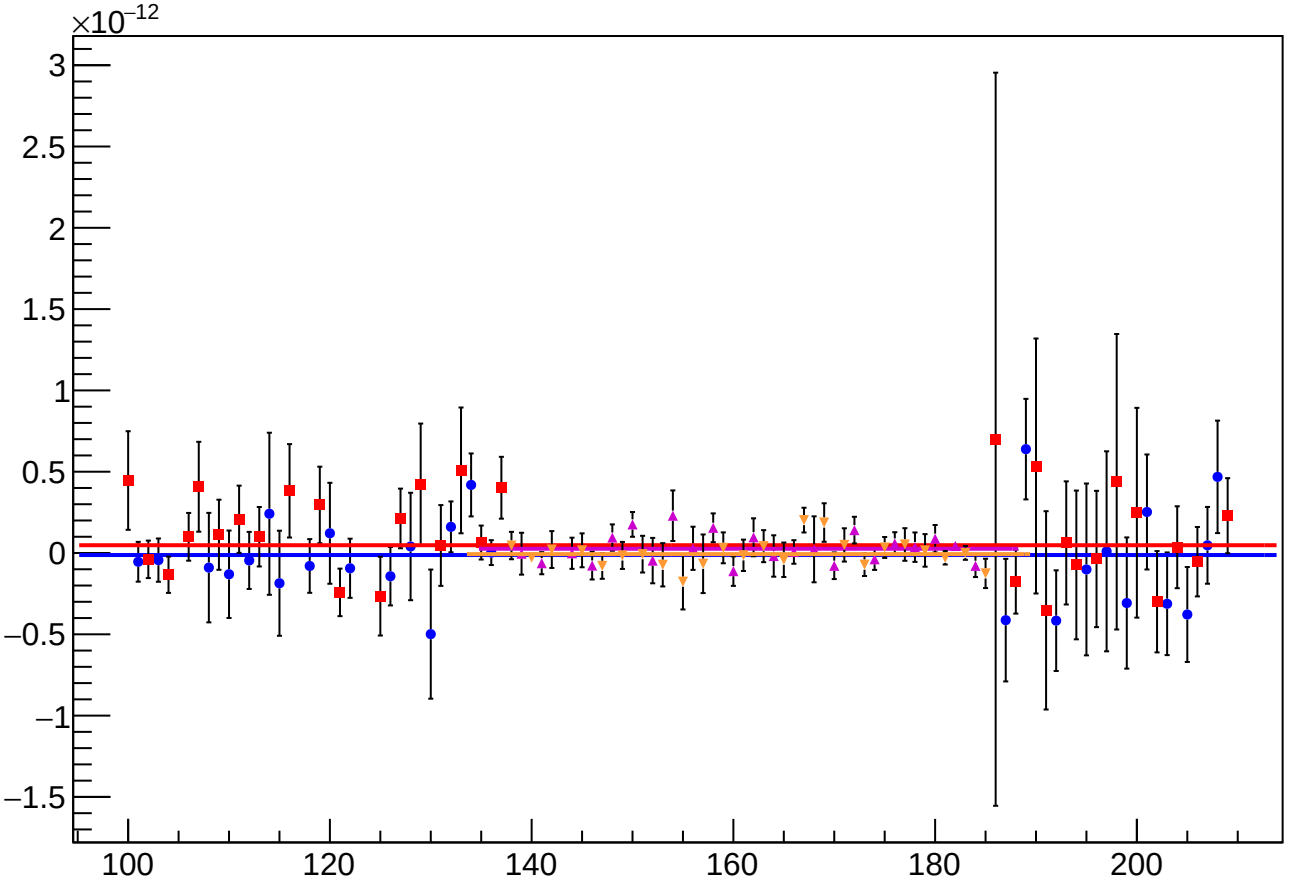
Right Out: 130.373+/-0.025 χ^2/NDF: 3206925.9/30

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 179.191+/-0.025 χ^2/NDF: 14488885.1/50

All: 168.695+/-0.017 χ^2/NDF: 31991627.4/10

- sign 160.120+/-0.023 χ^2/NDF: 17185439.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

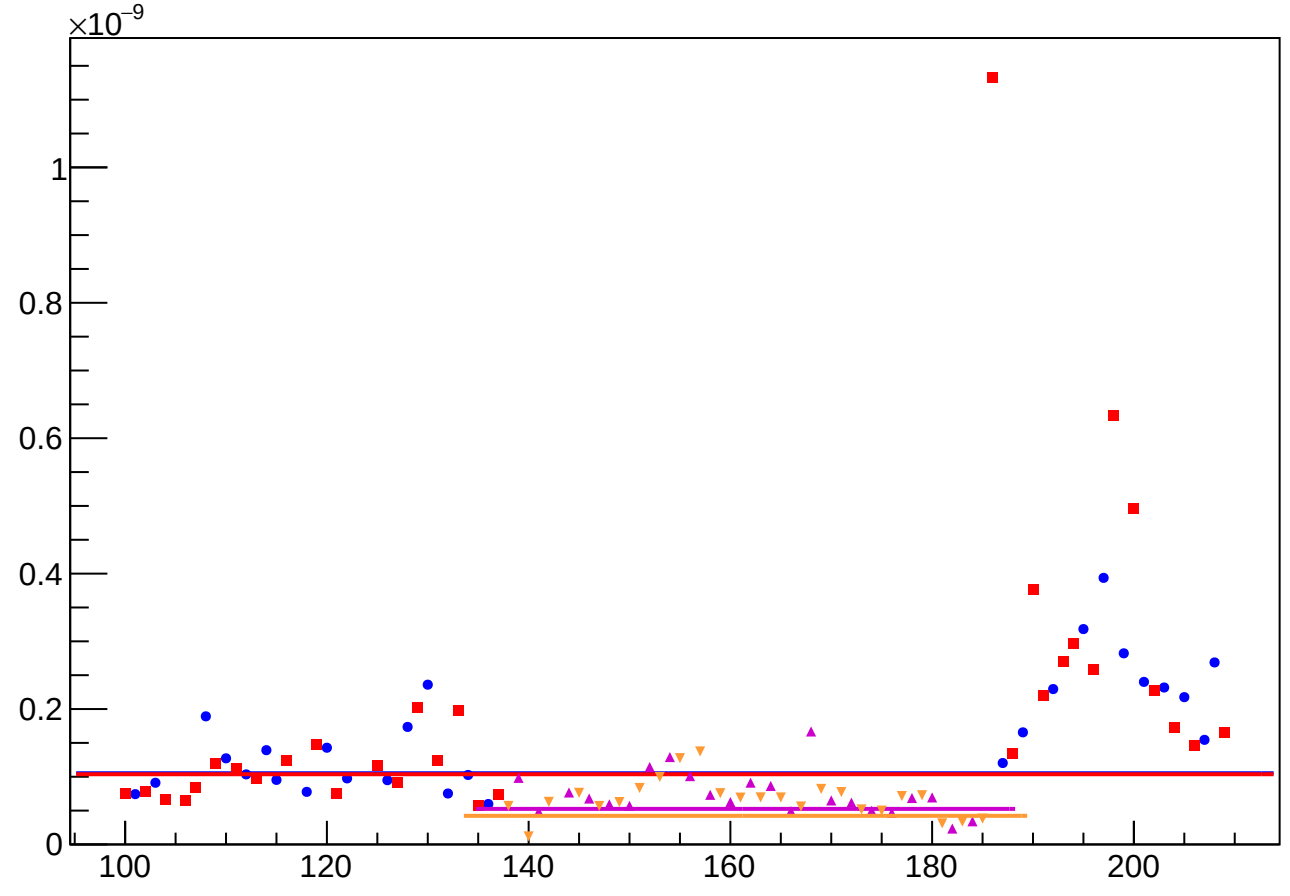
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/30

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.8/50

All: 0.000+/-0.000 χ^2/NDF: 94.3/104

- sign 0.000+/-0.000 χ^2/NDF: 50.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 4473539.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5277599.2/30

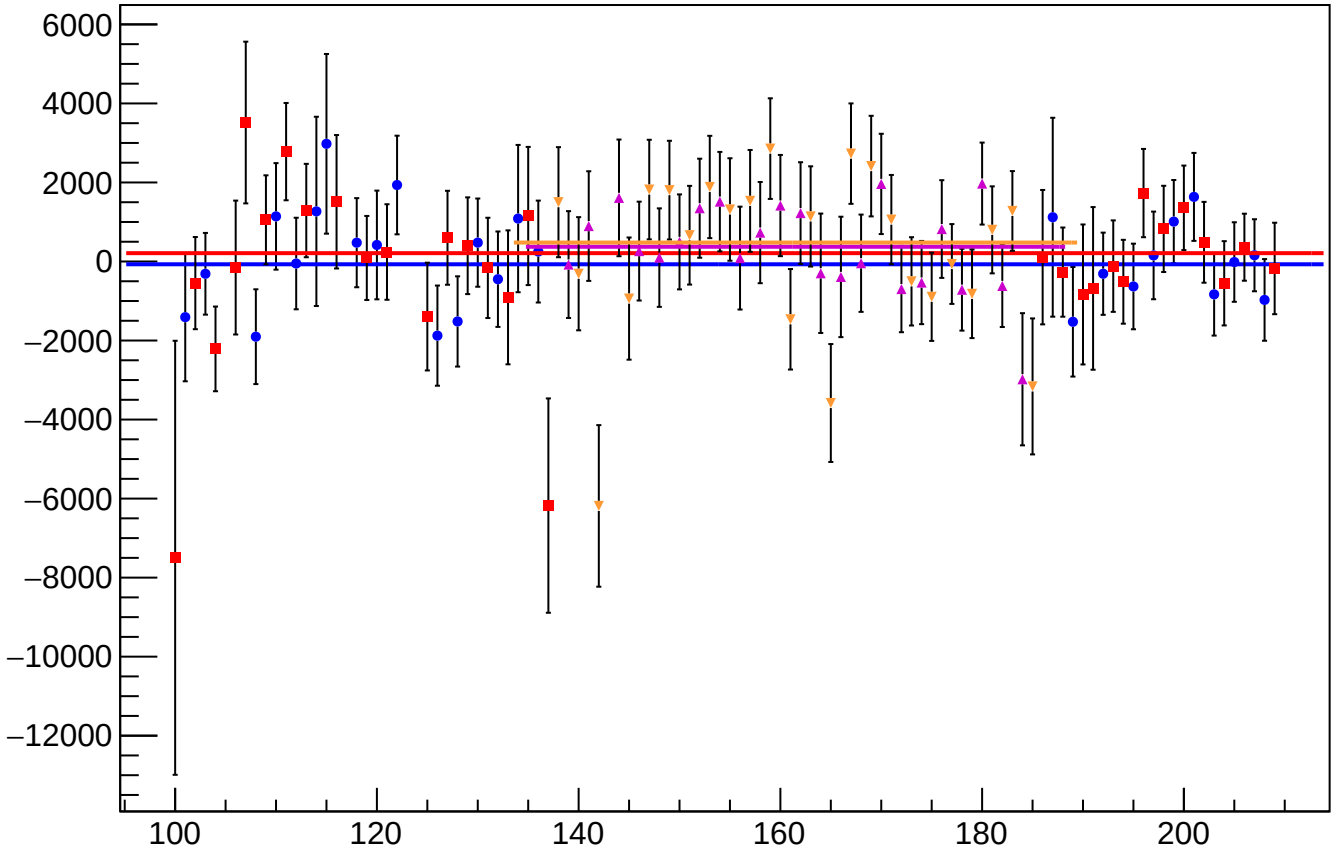
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15689691.6/50

All: 0.000+/-0.000 χ^2/NDF: 29501348.7/104

- sign 0.000+/-0.000 χ^2/NDF: 13248433.0/53

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -70.482+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 211.204+/-226.663 χ^2/NDF: 29.7/30

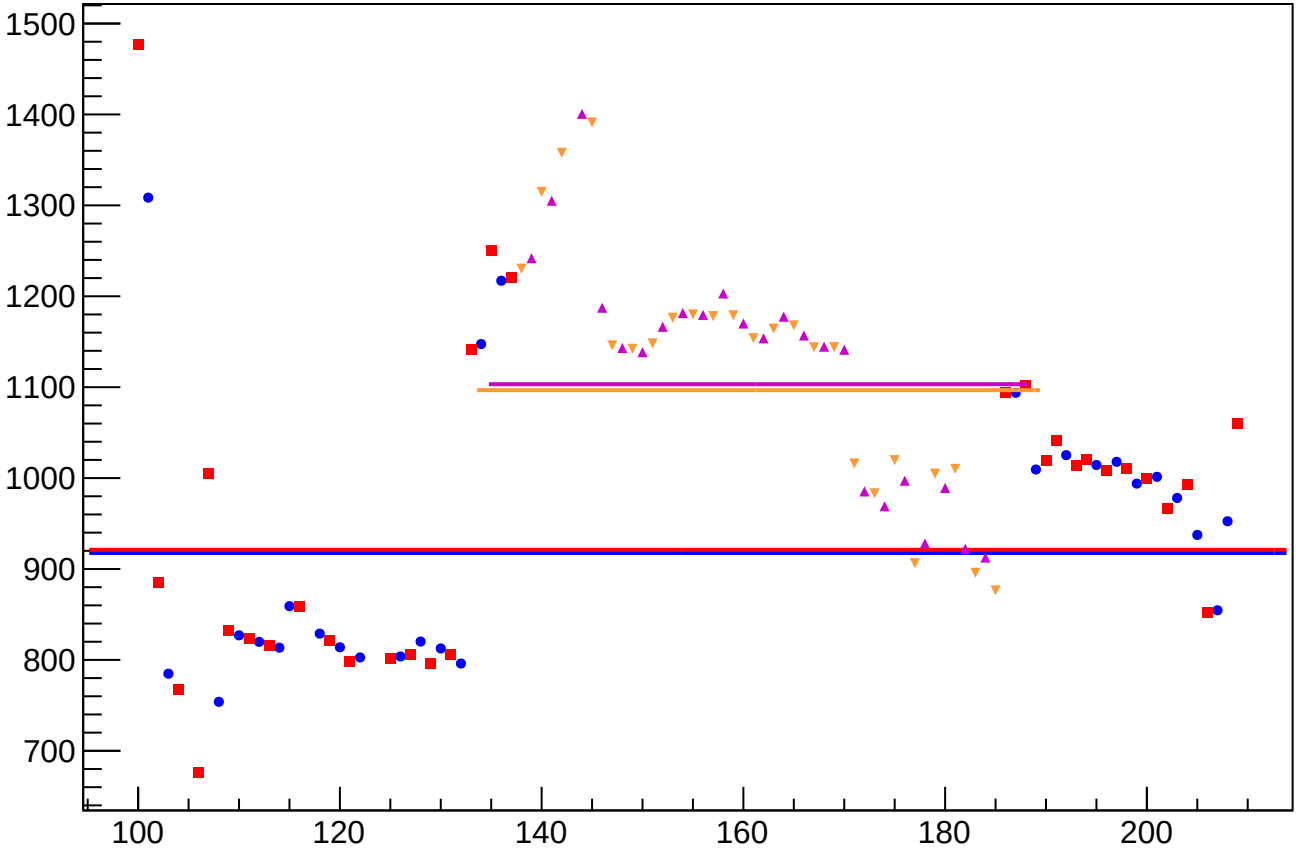
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 178.366+/-172.413 χ^2/NDF: 67.5/50

All: 230.333+/-121.289 χ^2/NDF: 113.6/104

\- sign 281.248+/-170.658 χ^2/NDF: 46.0/53

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657+/-0.165 χ^2/NDF: 575756.1/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 921.107+/-0.159 χ^2/NDF: 627589.9/30

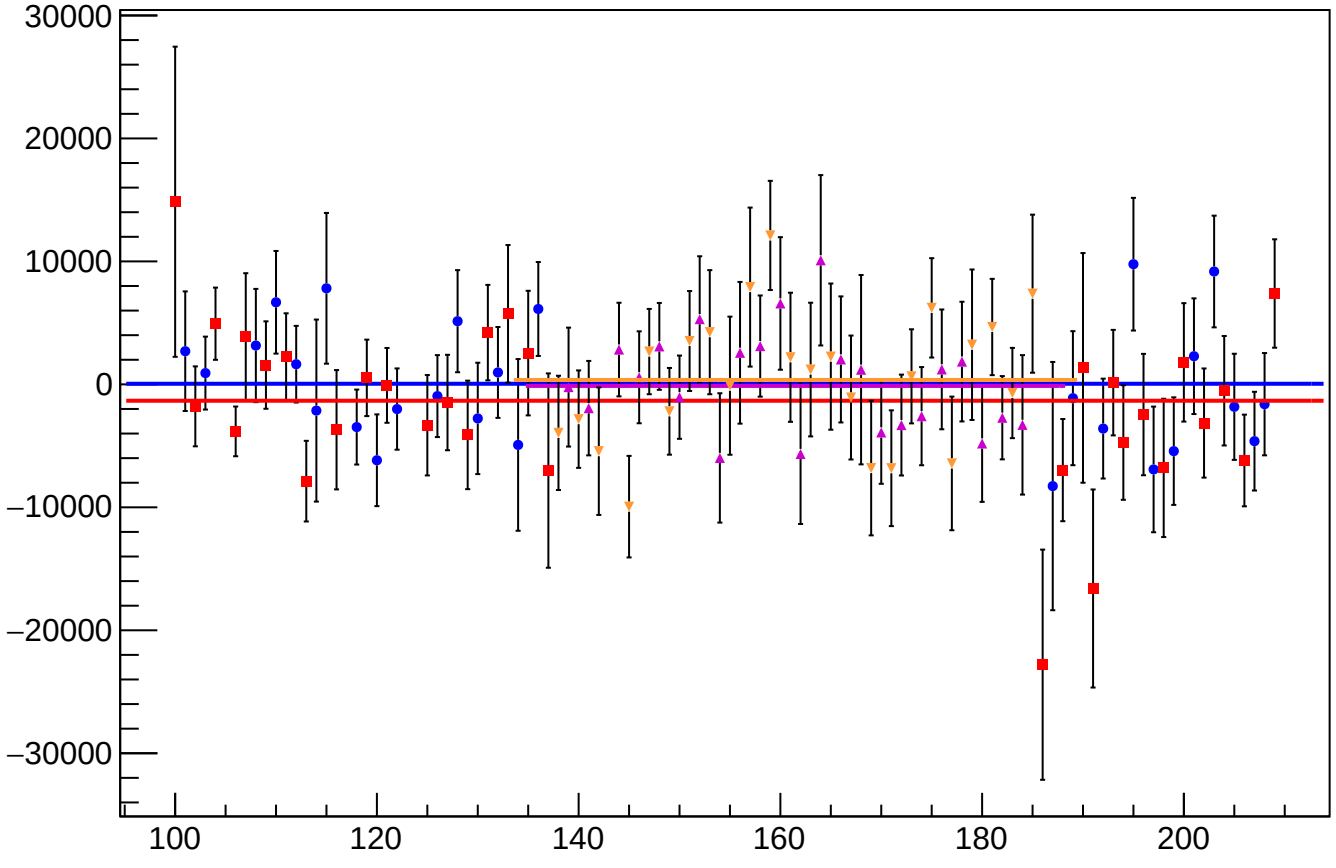
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 998.665+/-0.122 χ^2/NDF: 1590633.0/50

All: 999.065+/-0.086 χ^2/NDF: 3228344.8/104

- sign 999.455+/-0.120 χ^2/NDF: 1637690.6/53

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 49.117+/-807.176 χ^2/NDF: 29.1/26

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1331.228+/-730.557 χ^2/NDF: 39.2/30

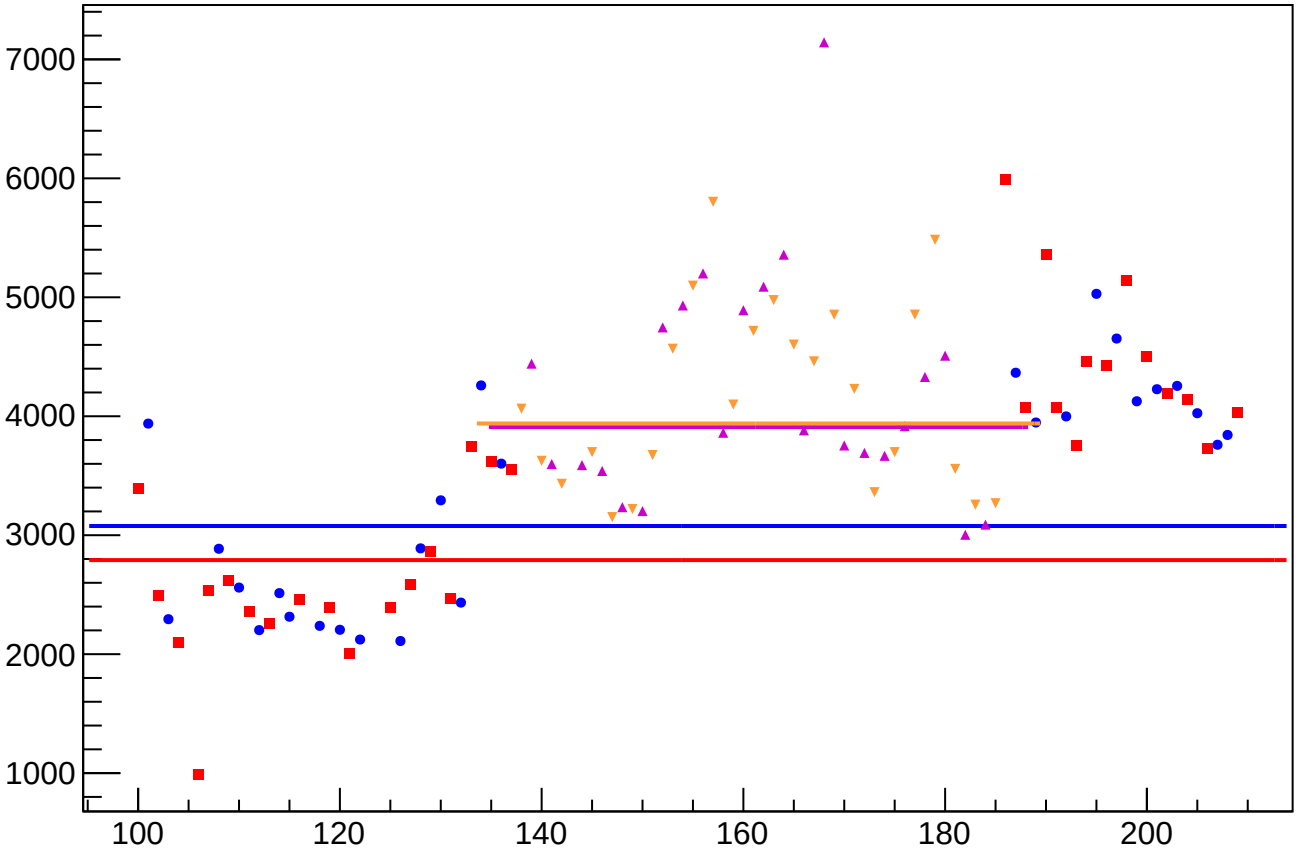
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 181.028+/-610.776 χ^2/NDF: 59.4/50

All: -377.750+/-418.709 χ^2/NDF: 115.0/104

- sign -873.190+/-575.120 χ^2/NDF: 54.0/53

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3077.355+/-0.571 χ^2/NDF: 2426750.1/26

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2790.794+/-0.517 χ^2/NDF: 4632426.6/30

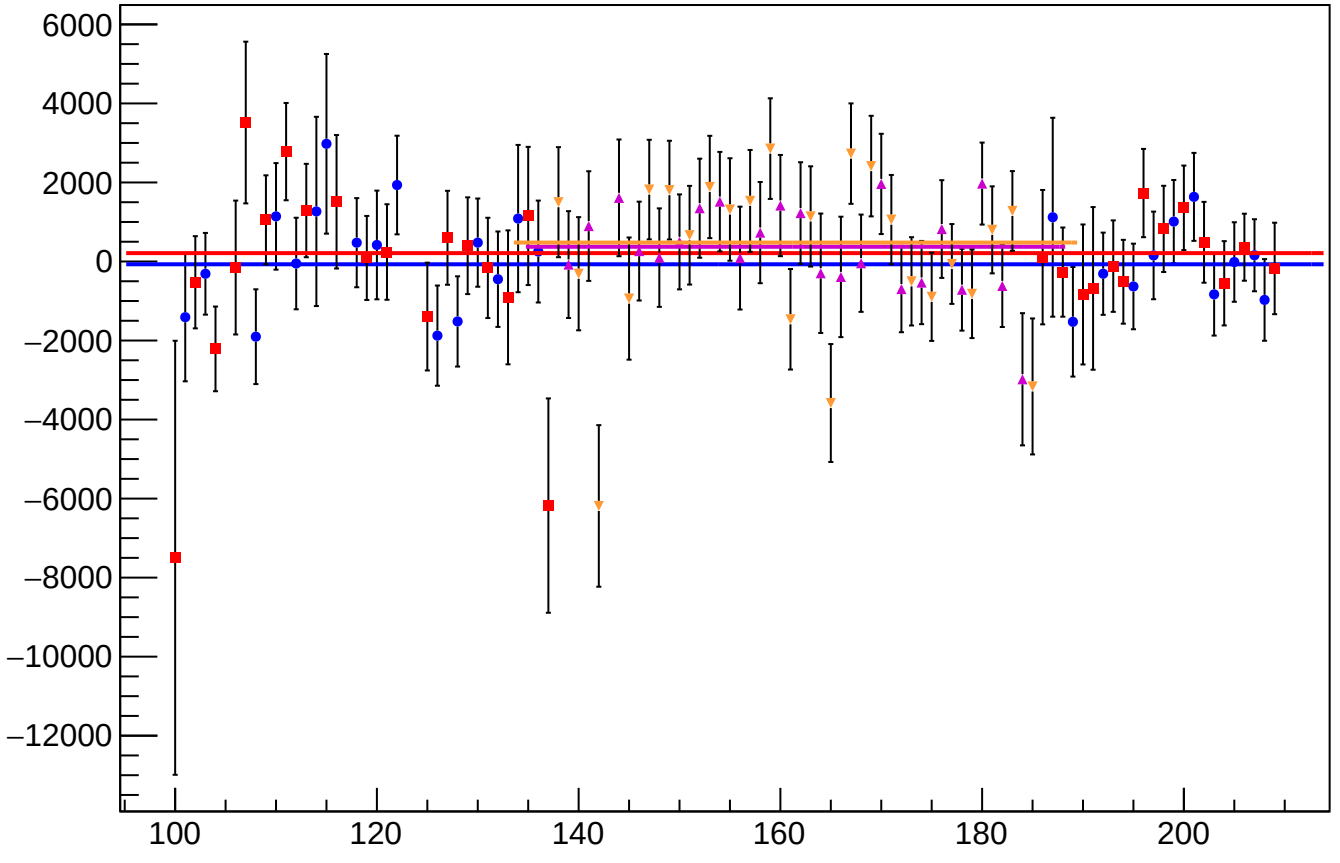
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3445.760+/-0.432 χ^2/NDF: 4494137.0/50

All: 3324.008+/-0.296 χ^2/NDF: 12359457.5/1

- sign 3216.056+/-0.407 χ^2/NDF: 7715382.9/53

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 212.026+/-226.665 χ^2/NDF: 29.7/30

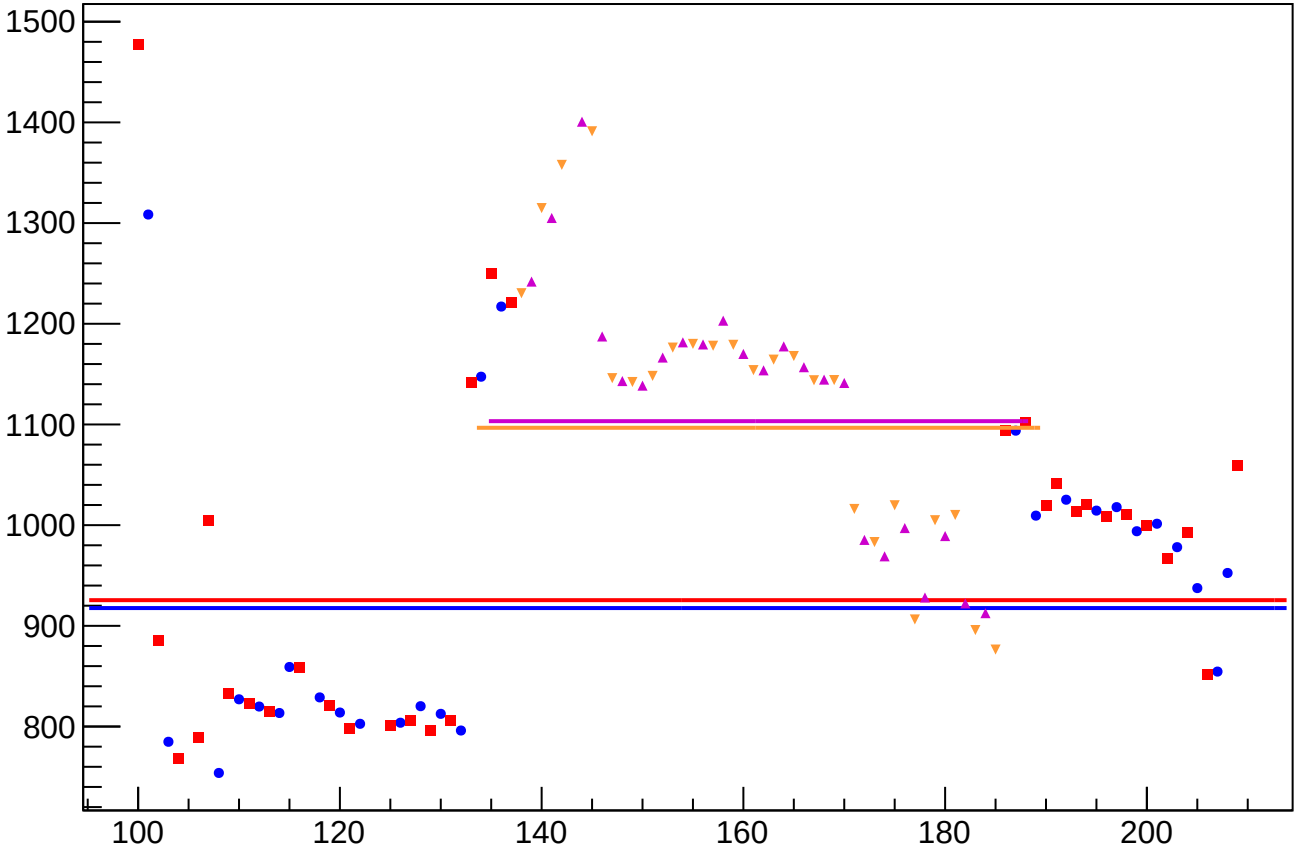
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 178.375+/-172.413 χ^2/NDF: 67.5/50

All: 230.568+/-121.290 χ^2/NDF: 113.6/104

- sign 281.704+/-170.659 χ^2/NDF: 45.9/53

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.504+/-0.160 χ^2/NDF: 571220.6/30

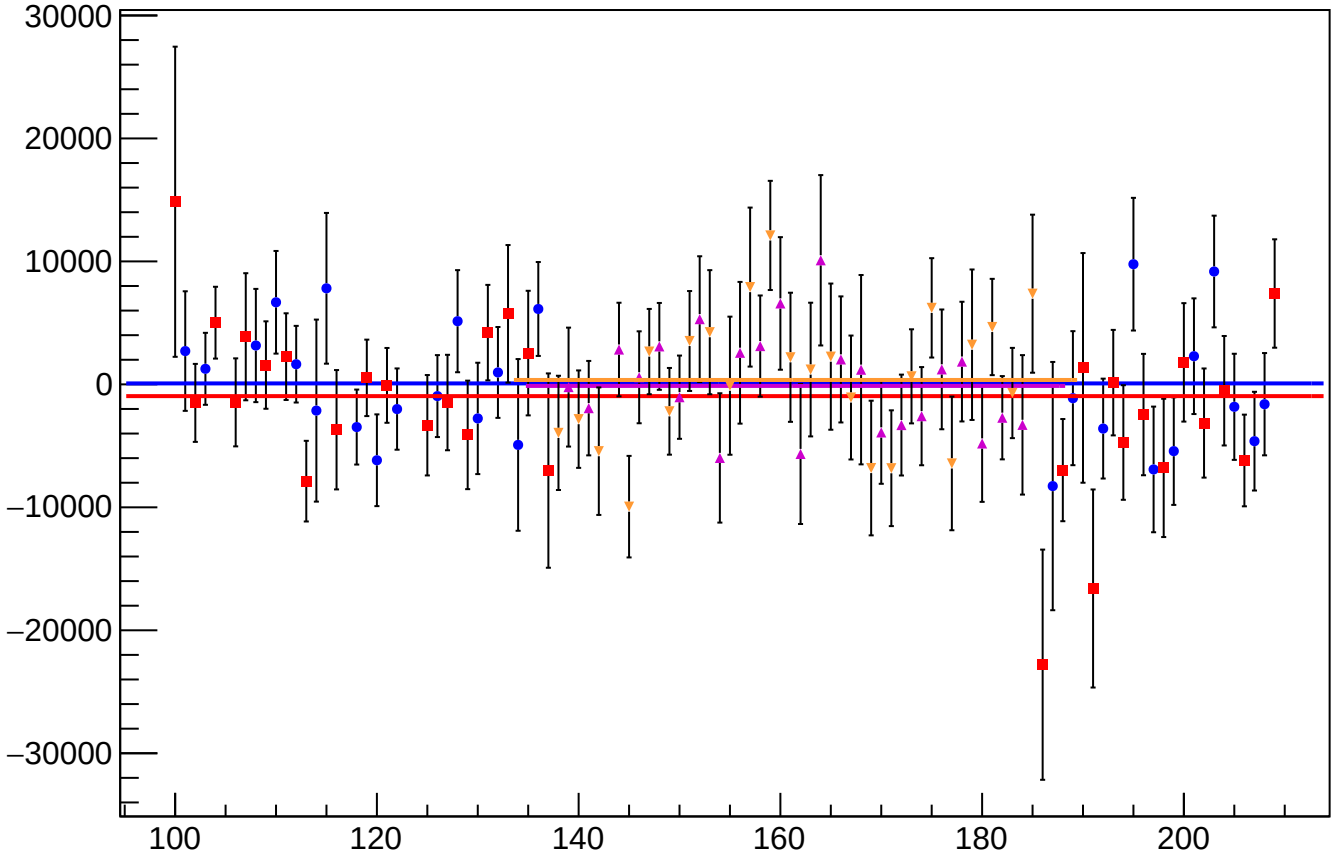
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 998.665+/-0.122 χ^2/NDF: 1590633.1/50

All: 1000.492+/-0.086 χ^2/NDF: 3143894.6/10

- sign 1002.278+/-0.120 χ^2/NDF: 1552817.3/53

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 77.502+/-806.377 χ^2/NDF: 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -956.084+/-764.019 χ^2/NDF: 37.6/30

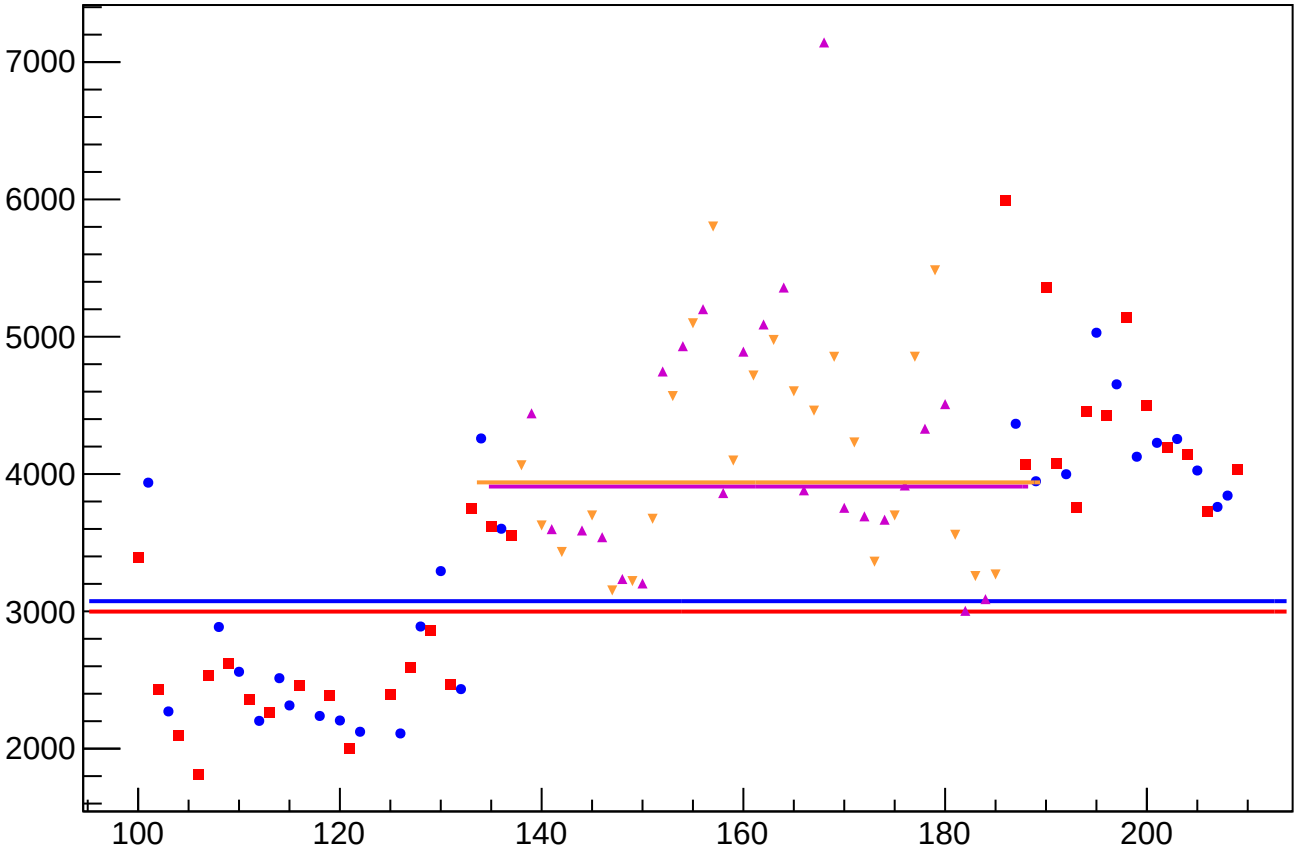
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 197.143+/-610.430 χ^2/NDF: 59.5/50

All: -226.167+/-424.612 χ^2/NDF: 112.3/104

- sign -622.989+/-591.024 χ^2/NDF: 51.8/53

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3074.047+/-0.570 χ^2/NDF: 2438891.0/26

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2998.297+/-0.540 χ^2/NDF: 3055816.8/30

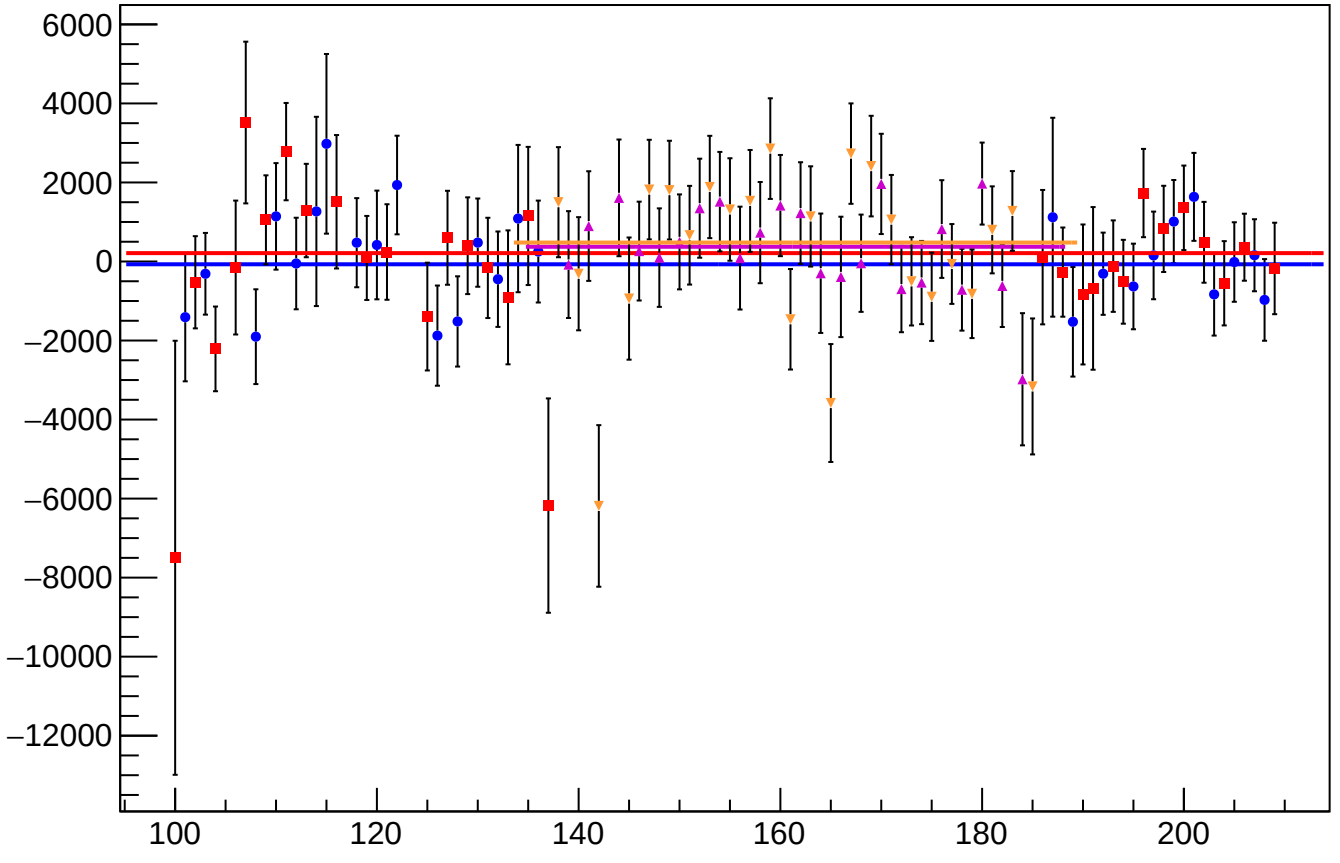
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3443.448+/-0.432 χ^2/NDF: 4514604.7/50

All: 3402.479+/-0.300 χ^2/NDF: 10030157.3/1

- sign 3364.073+/-0.418 χ^2/NDF: 5498098.4/53

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 212.026+/-226.665 χ^2/NDF: 29.7/30

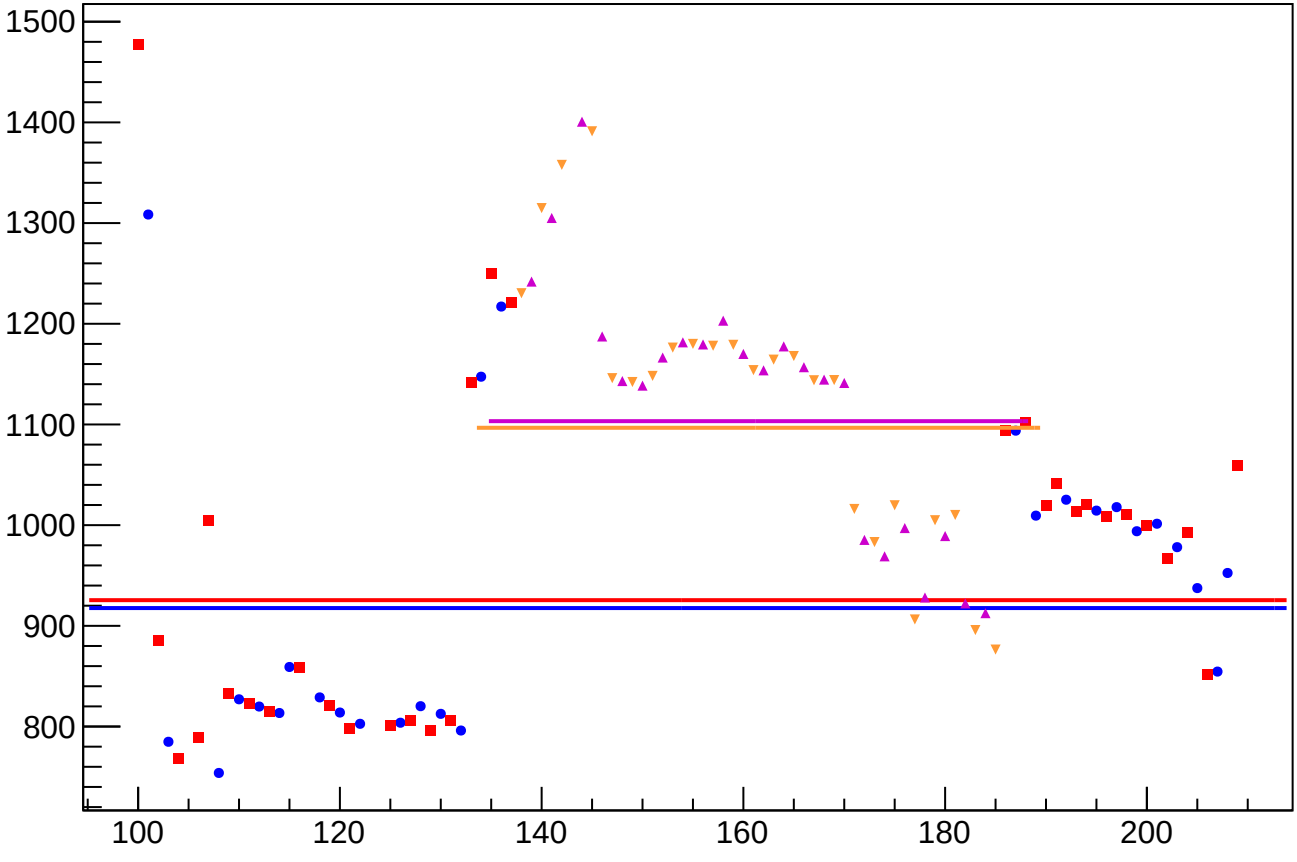
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 178.375+/-172.413 χ^2/NDF: 67.5/50

All: 230.568+/-121.290 χ^2/NDF: 113.6/104

- sign 281.704+/-170.659 χ^2/NDF: 45.9/53

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.504+/-0.160 χ^2/NDF: 571220.6/30

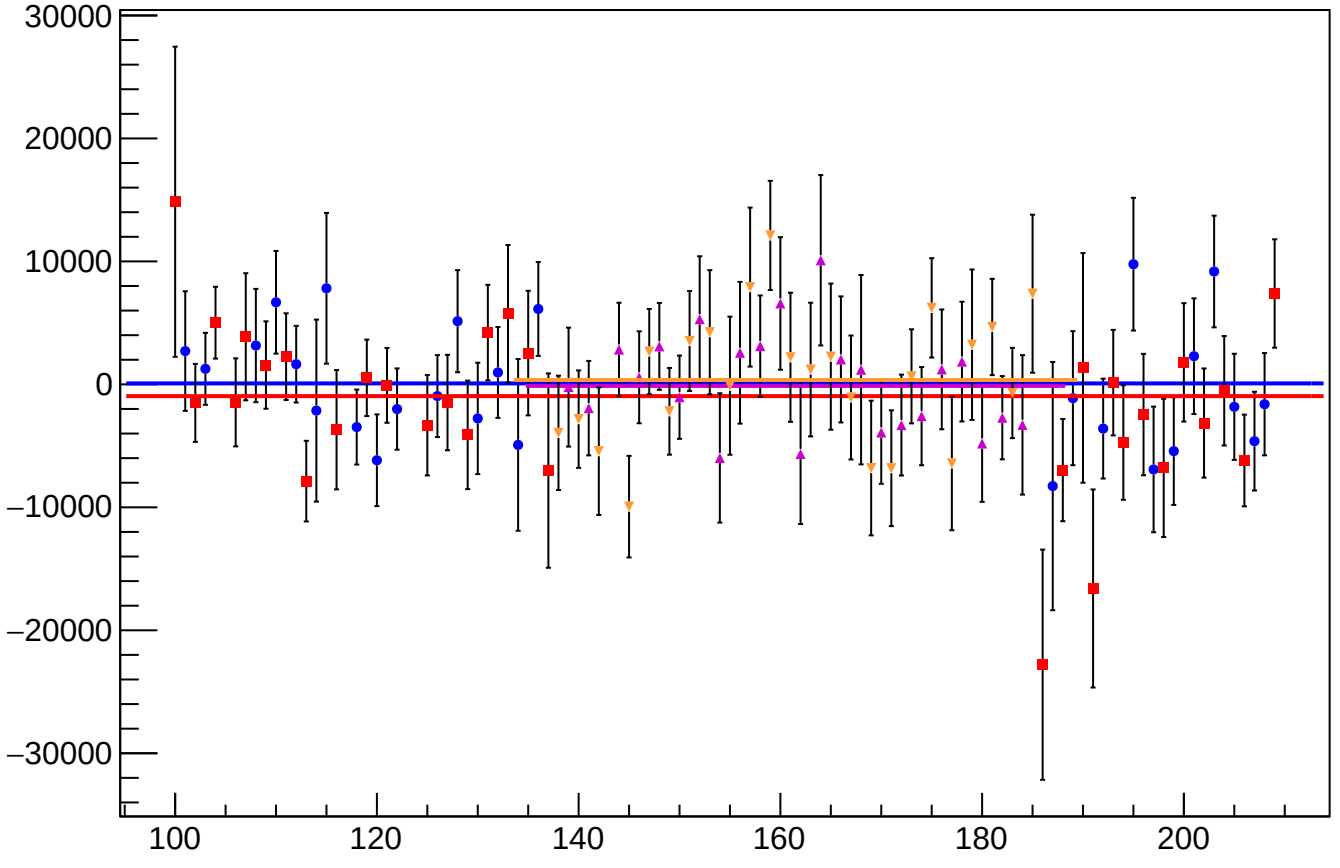
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 998.665+/-0.122 χ^2/NDF: 1590633.1/50

All: 1000.492+/-0.086 χ^2/NDF: 3143894.6/10

- sign 1002.278+/-0.120 χ^2/NDF: 1552817.3/53

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 77.502+/-806.377 χ^2/NDF: 29.2/26

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -956.084+/-764.019 χ^2/NDF: 37.6/30

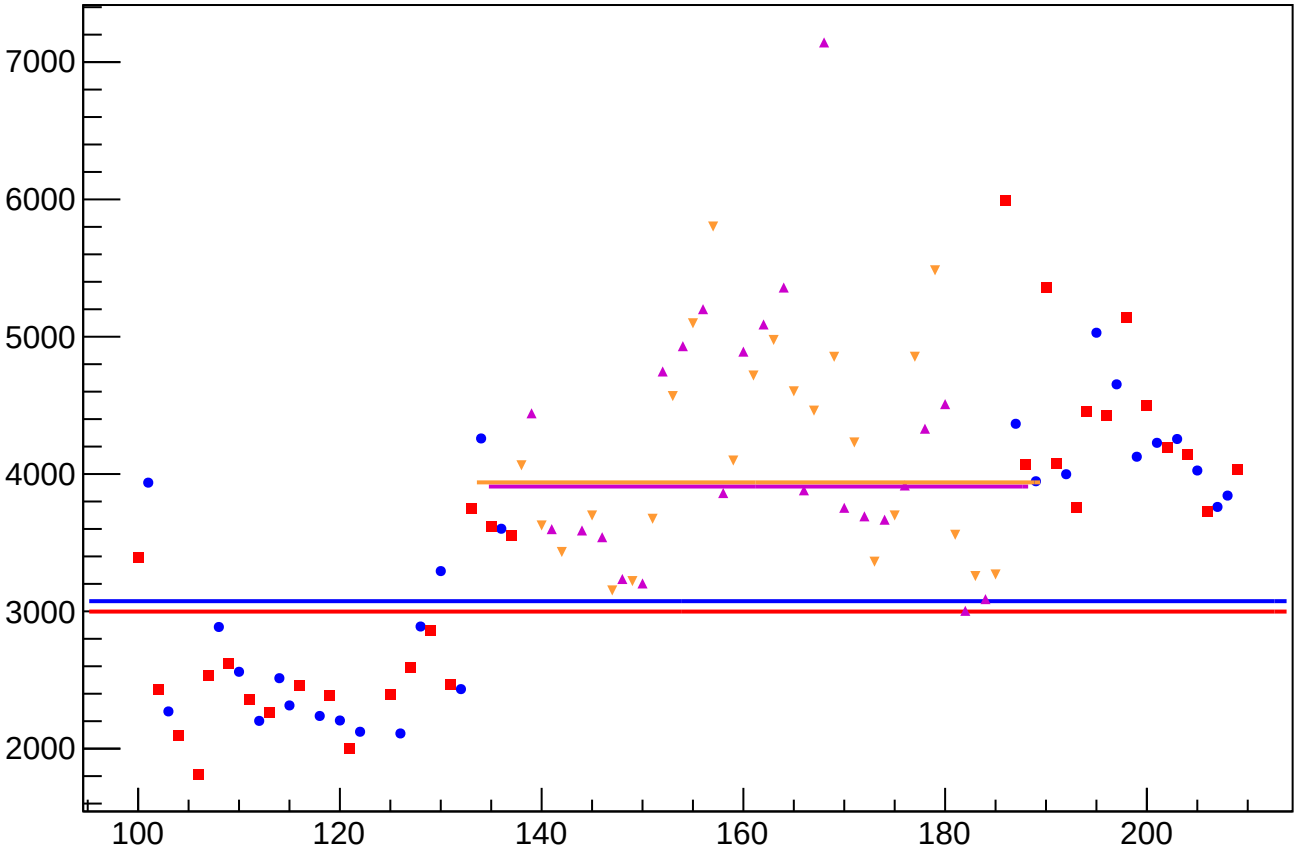
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 197.143+/-610.430 χ^2/NDF: 59.5/50

All: -226.167+/-424.612 χ^2/NDF: 112.3/104

- sign -622.989+/-591.024 χ^2/NDF: 51.8/53

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3074.047+/-0.570 χ^2/NDF: 2438891.0/26

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2998.297+/-0.540 χ^2/NDF: 3055816.8/30

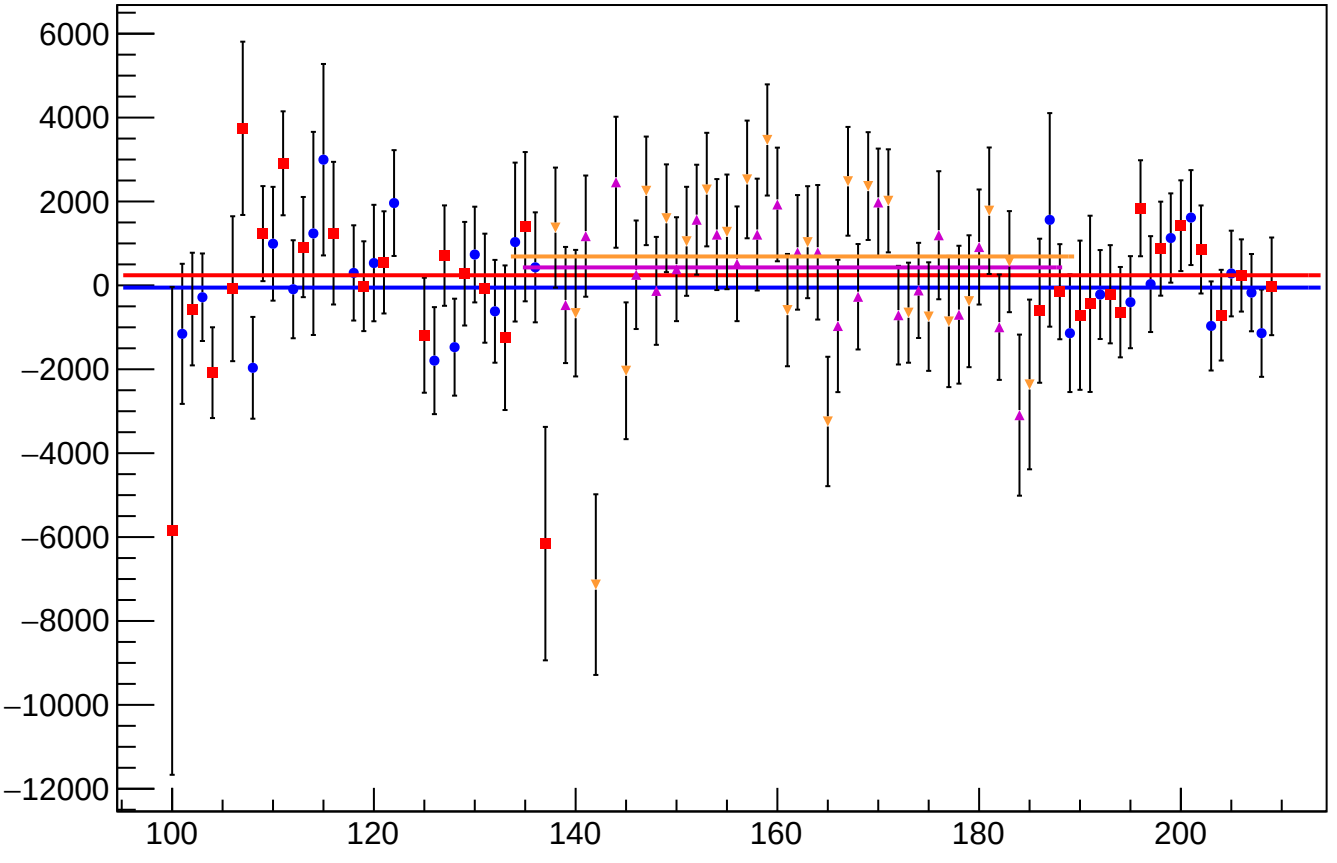
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3443.448+/-0.432 χ^2/NDF: 4514604.7/50

All: 3402.479+/-0.300 χ^2/NDF: 10030157.3/1

- sign 3364.073+/-0.418 χ^2/NDF: 5498098.4/53

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -52.852+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 241.223+/-230.581 χ^2/NDF: 29.1/30

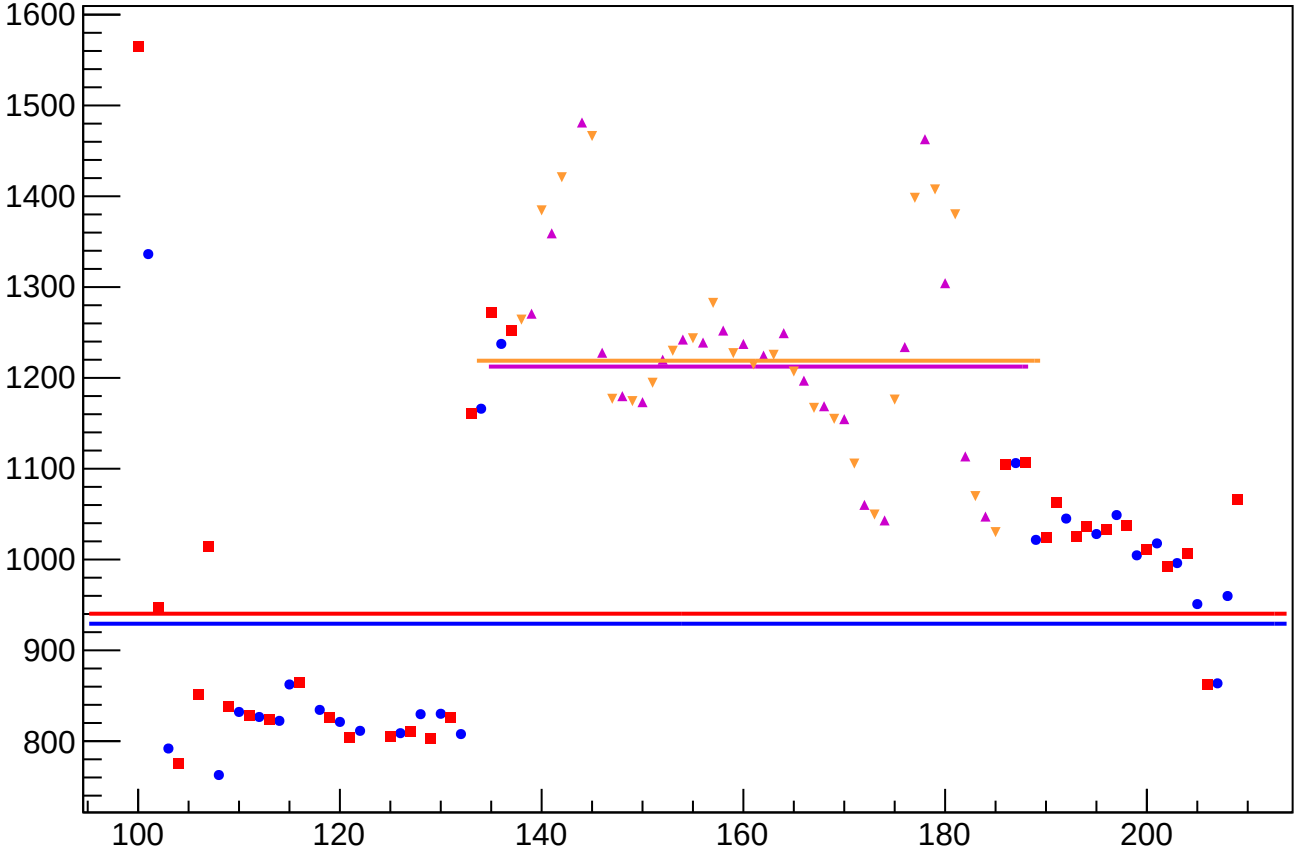
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 249.908+/-181.667 χ^2/NDF: 69.3/50

All: 283.083+/-127.543 χ^2/NDF: 113.3/104

- sign 315.329+/-179.105 χ^2/NDF: 44.0/53

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 929.308+/-0.167 χ^2/NDF: 598555.2/26

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 940.340+/-0.163 χ^2/NDF: 578885.8/30

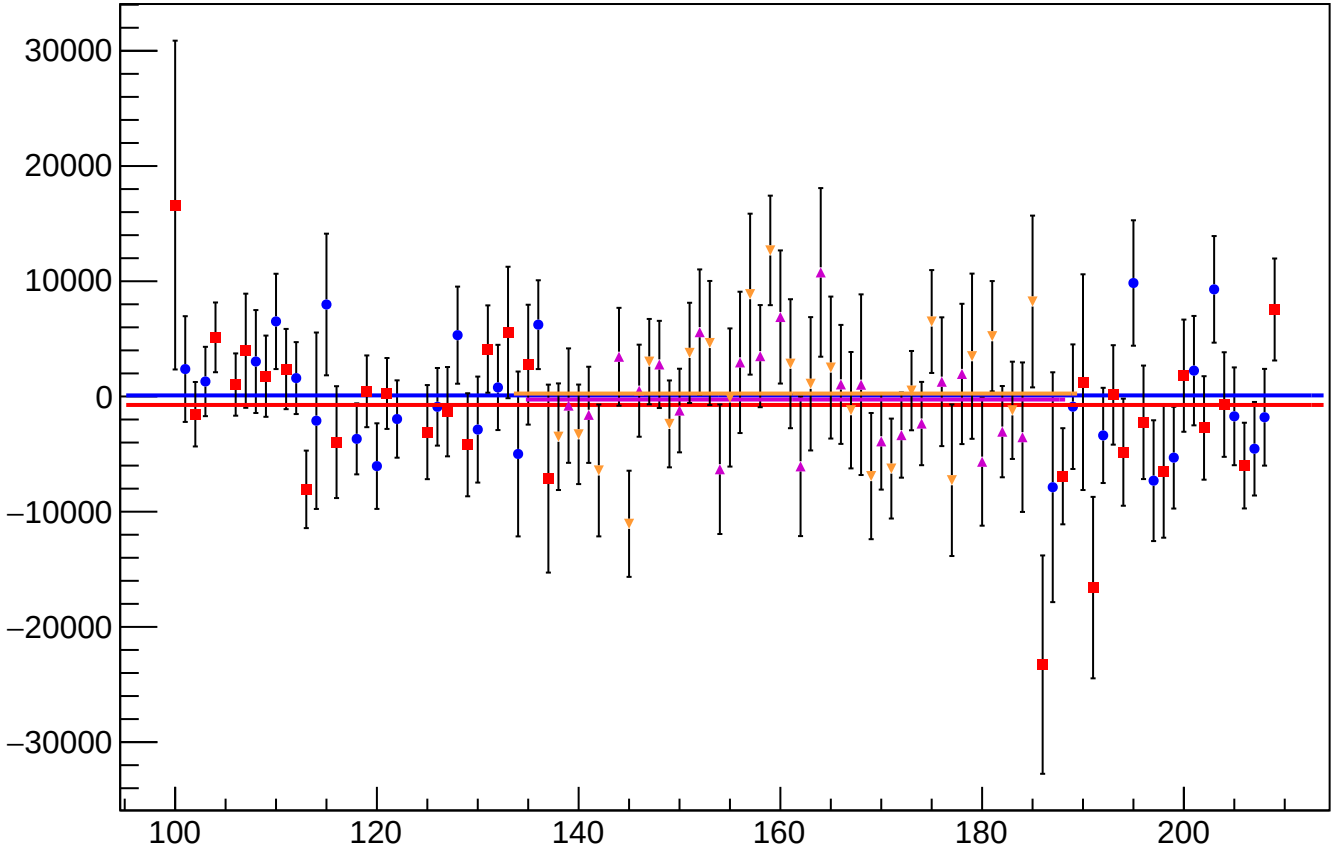
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1047.492+/-0.128 χ^2/NDF: 2120259.2/50

All: 1047.855+/-0.090 χ^2/NDF: 4064679.3/10

- sign 1048.208+/-0.127 χ^2/NDF: 1944404.3/53

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 92.368+/-811.329 χ^2/NDF: 28.9/26

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -736.645+/-749.039 χ^2/NDF: 38.1/30

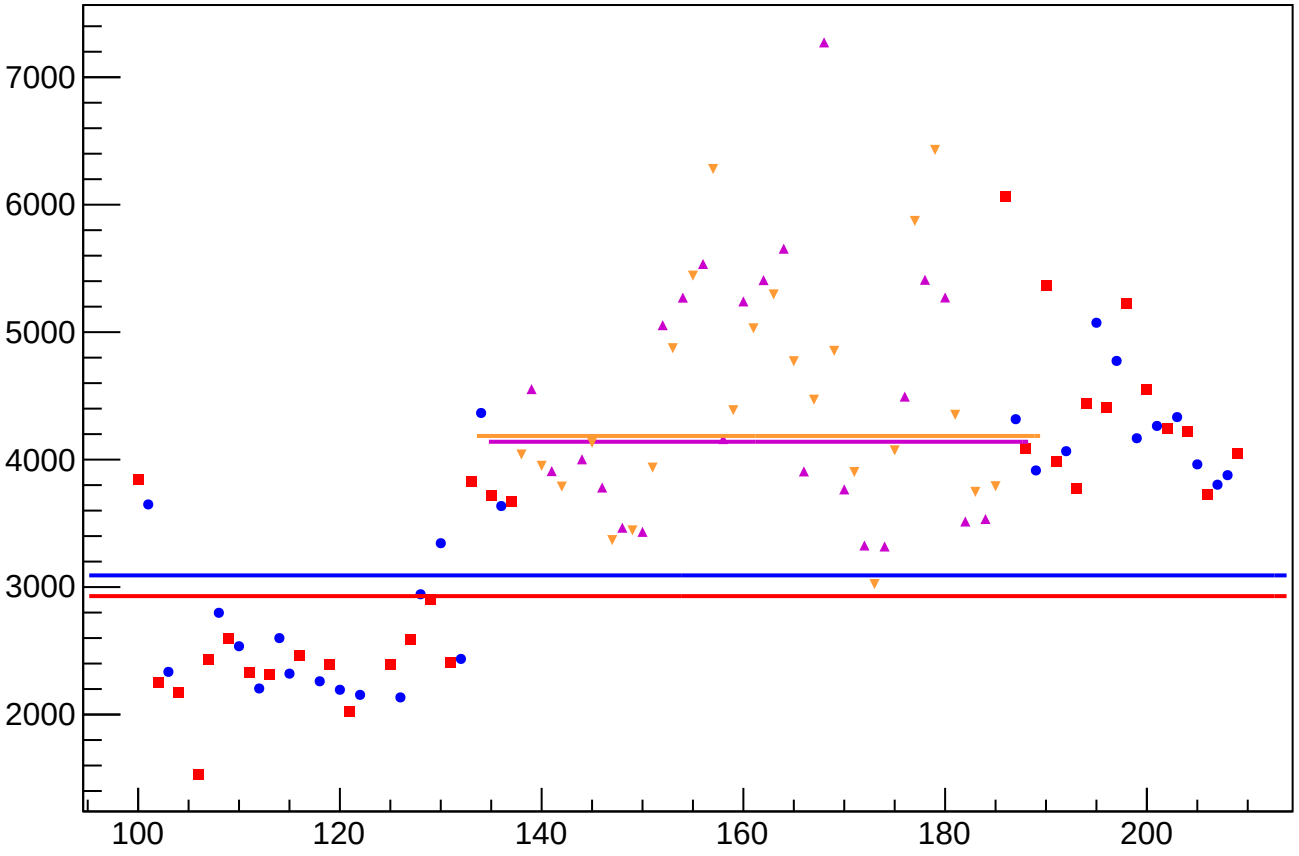
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 156.427+/-628.826 χ^2/NDF: 58.6/50

All: -223.009+/-433.091 χ^2/NDF: 111.0/104

- sign -565.410+/-597.350 χ^2/NDF: 51.7/53

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3091.615+/-0.574 χ^2/NDF: 2415841.7/26

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2929.036+/-0.530 χ^2/NDF: 3513321.9/30

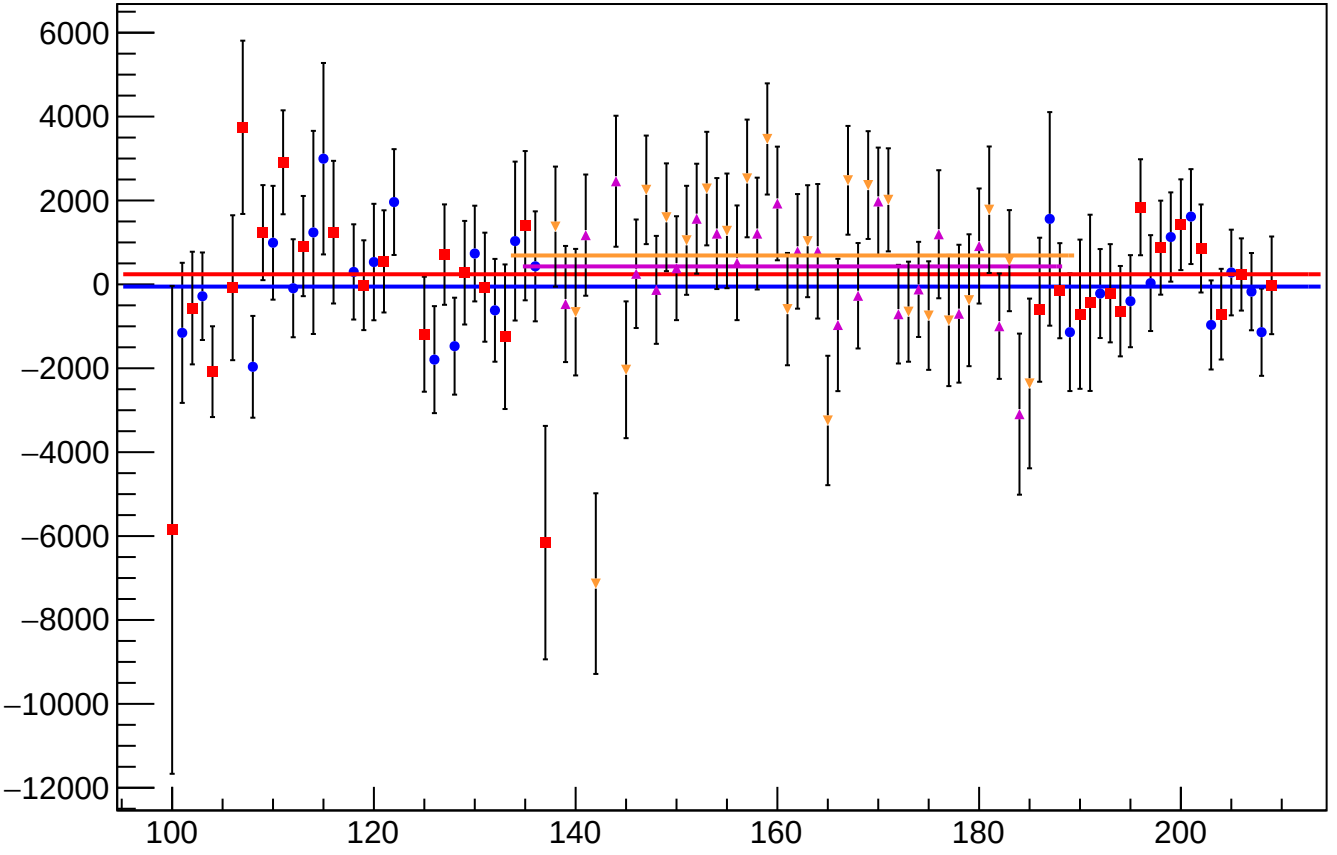
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3528.451+/-0.445 χ^2/NDF: 5139160.1/50

All: 3445.087+/-0.306 χ^2/NDF: 12072260.0/1

- sign 3369.860+/-0.422 χ^2/NDF: 6866230.5/53

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -52.854+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 241.224+/-230.581 χ^2/NDF: 29.1/30

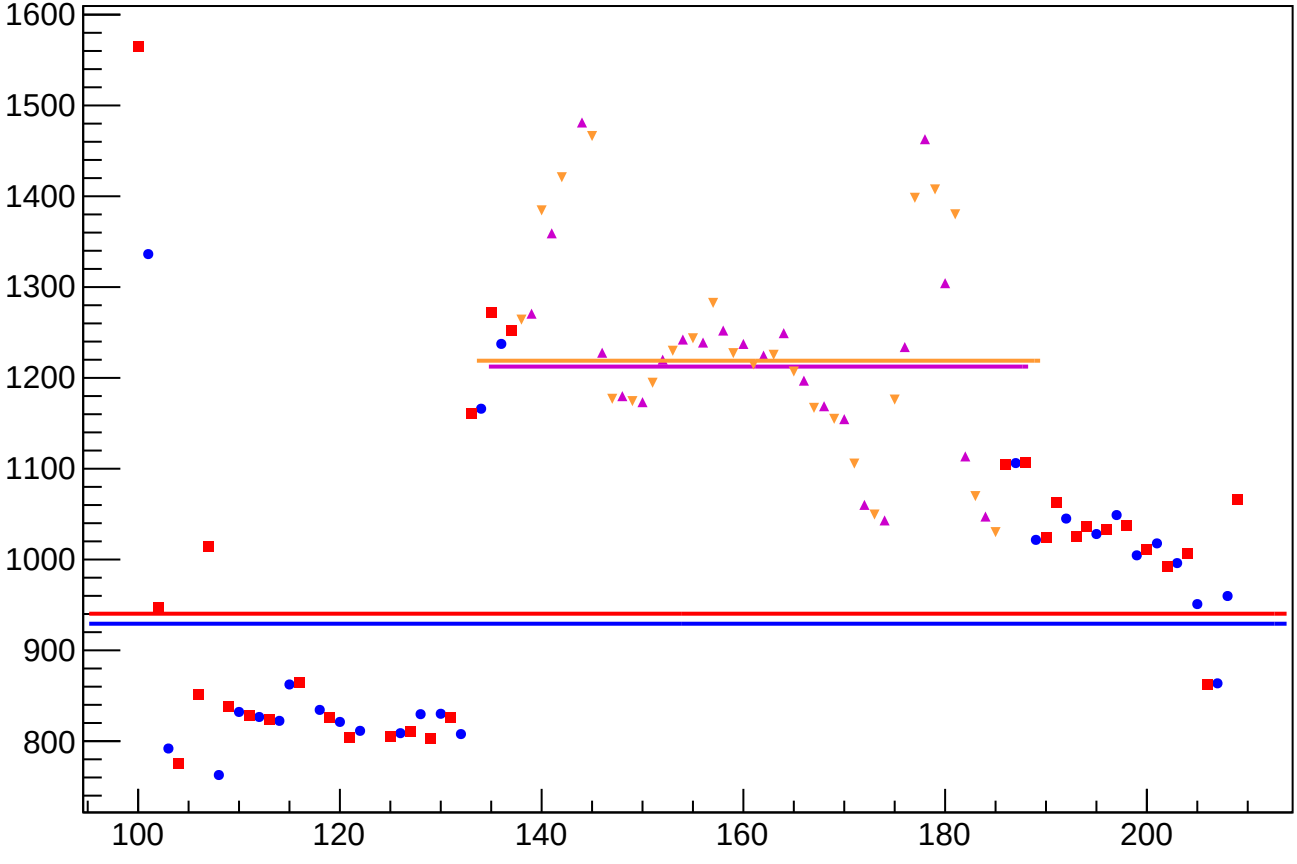
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 249.908+/-181.667 χ^2/NDF: 69.3/50

All: 283.083+/-127.543 χ^2/NDF: 113.3/104

- sign 315.329+/-179.105 χ^2/NDF: 44.0/53

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 929.308+/-0.167 χ^2/NDF: 598555.0/26

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

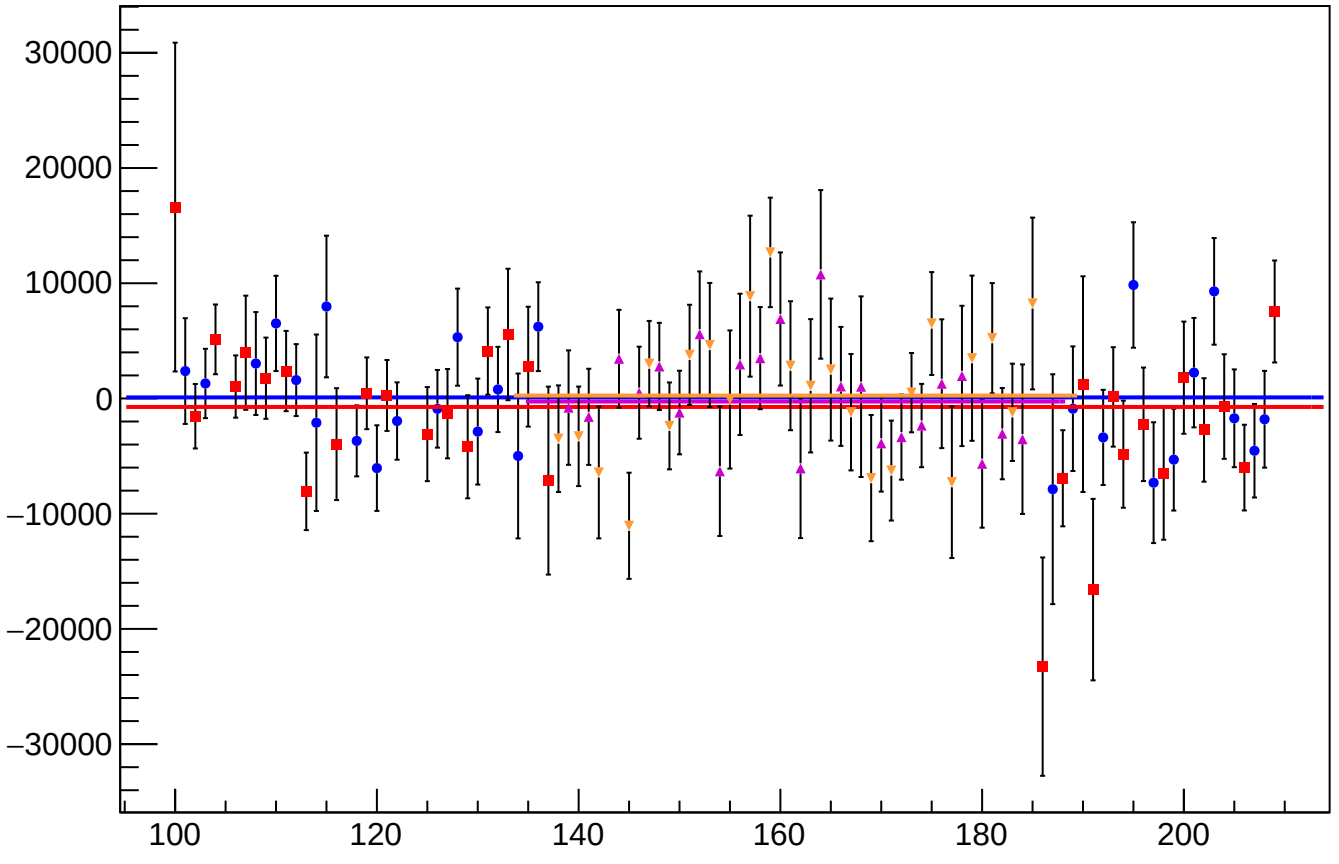
Right Out: 940.340+/-0.163 χ^2/NDF: 578886.4/30

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1047.493+/-0.128 χ^2/NDF: 2120276.0/50

All: 1047.856+/-0.090 χ^2/NDF: 4064713.4/10

- sign 1048.208+/-0.127 χ^2/NDF: 1944421.7/53



Right In: 92.367+/-811.328 χ^2/NDF: 28.9/26

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -736.639+/-749.038 χ^2/NDF: 38.1/30

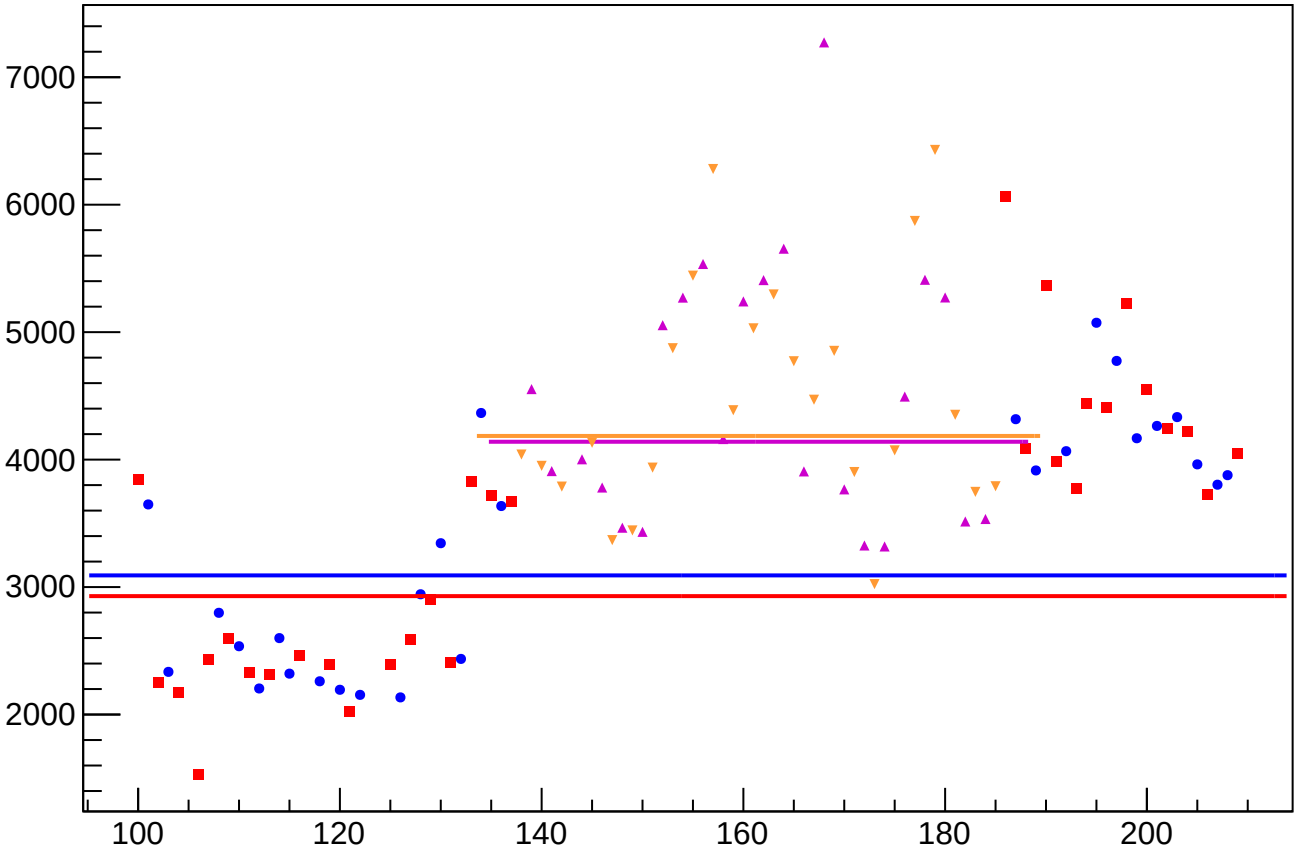
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 156.427+/-628.826 χ^2/NDF: 58.6/50

All: -223.008+/-433.090 χ^2/NDF: 111.0/104

- sign -565.408+/-597.350 χ^2/NDF: 51.7/53

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3091.609+/-0.574 χ^2/NDF: 2415884.4/26

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2929.031+/-0.530 χ^2/NDF: 3513359.7/30

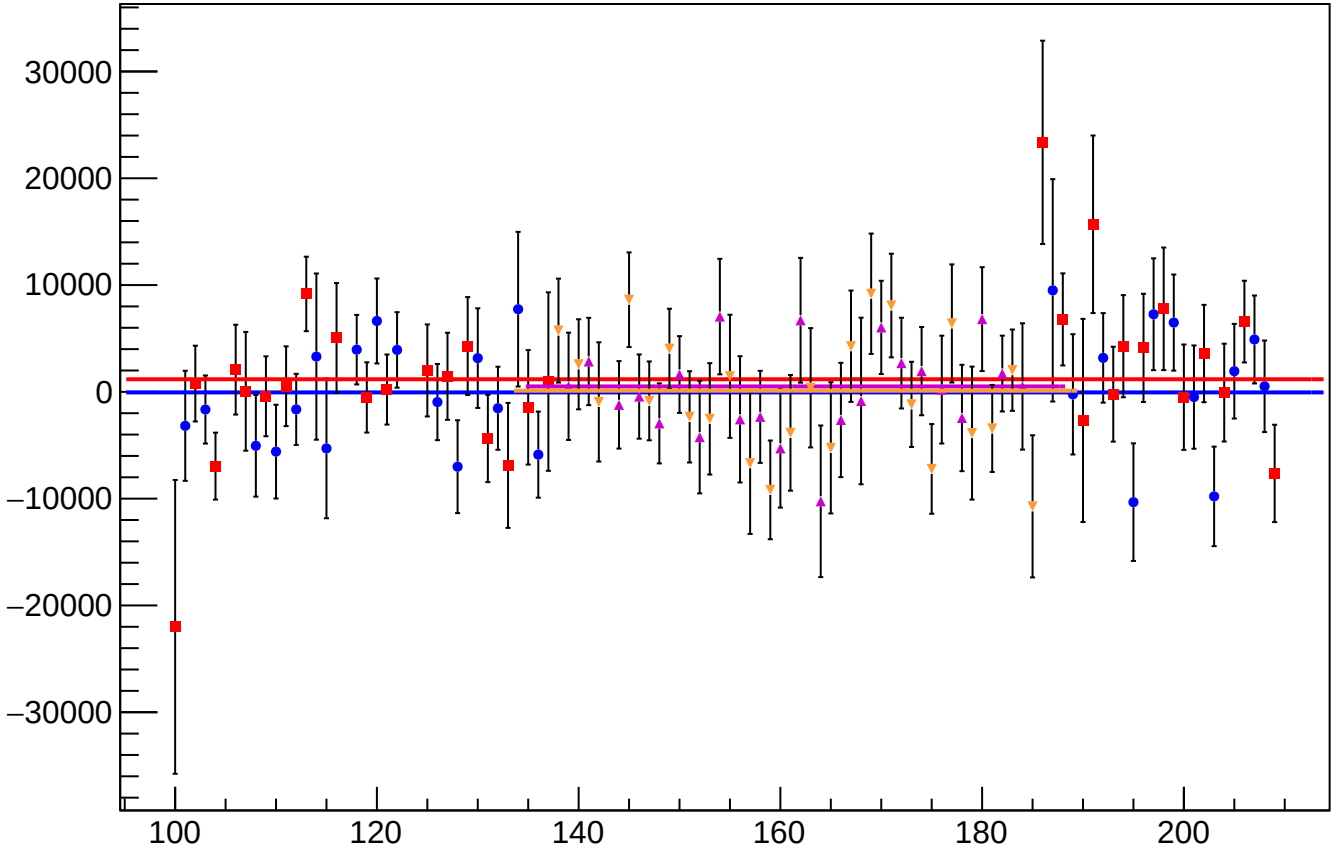
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3528.449+/-0.445 χ^2/NDF: 5139238.0/50

All: 3445.084+/-0.306 χ^2/NDF: 12072416.3/1

- sign 3369.857+/-0.422 χ^2/NDF: 6866308.4/53

asym_usl_atl2_dd_mean vs Slug



Right In: -51.837+/-847.080 χ^2/NDF: 31.5/26

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1179.715+/-808.167 χ^2/NDF: 39.2/30

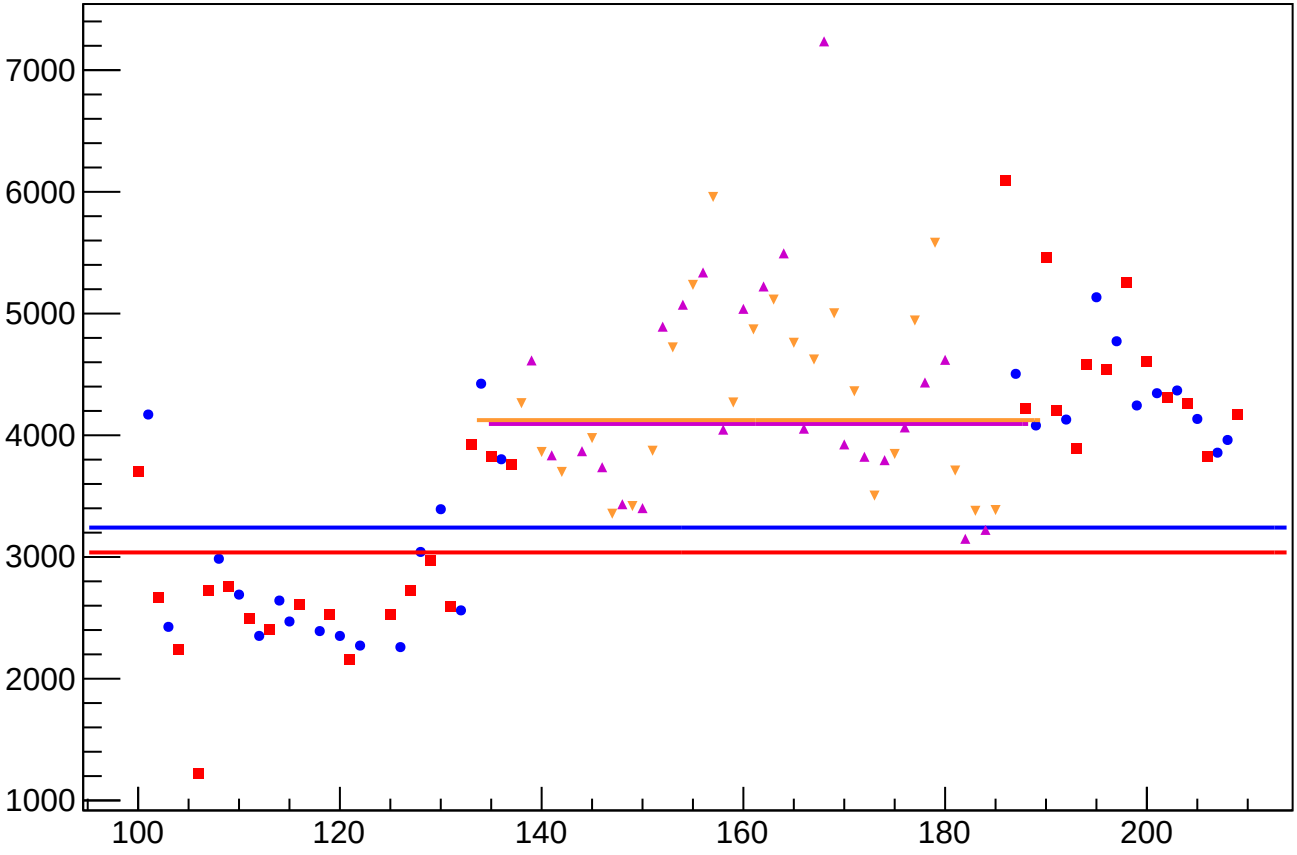
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign 17.282+/-639.622 χ^2/NDF: 59.5/50

All: 474.211+/-445.918 χ^2/NDF: 113.6/104

- sign 906.300+/-621.994 χ^2/NDF: 53.0/53

asym_usl_atl2_dd_rms vs Slug



Right In: 3241.770+/-0.599 χ^2/NDF: 2187393.2/26

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3037.400+/-0.554 χ^2/NDF: 3681182.1/30

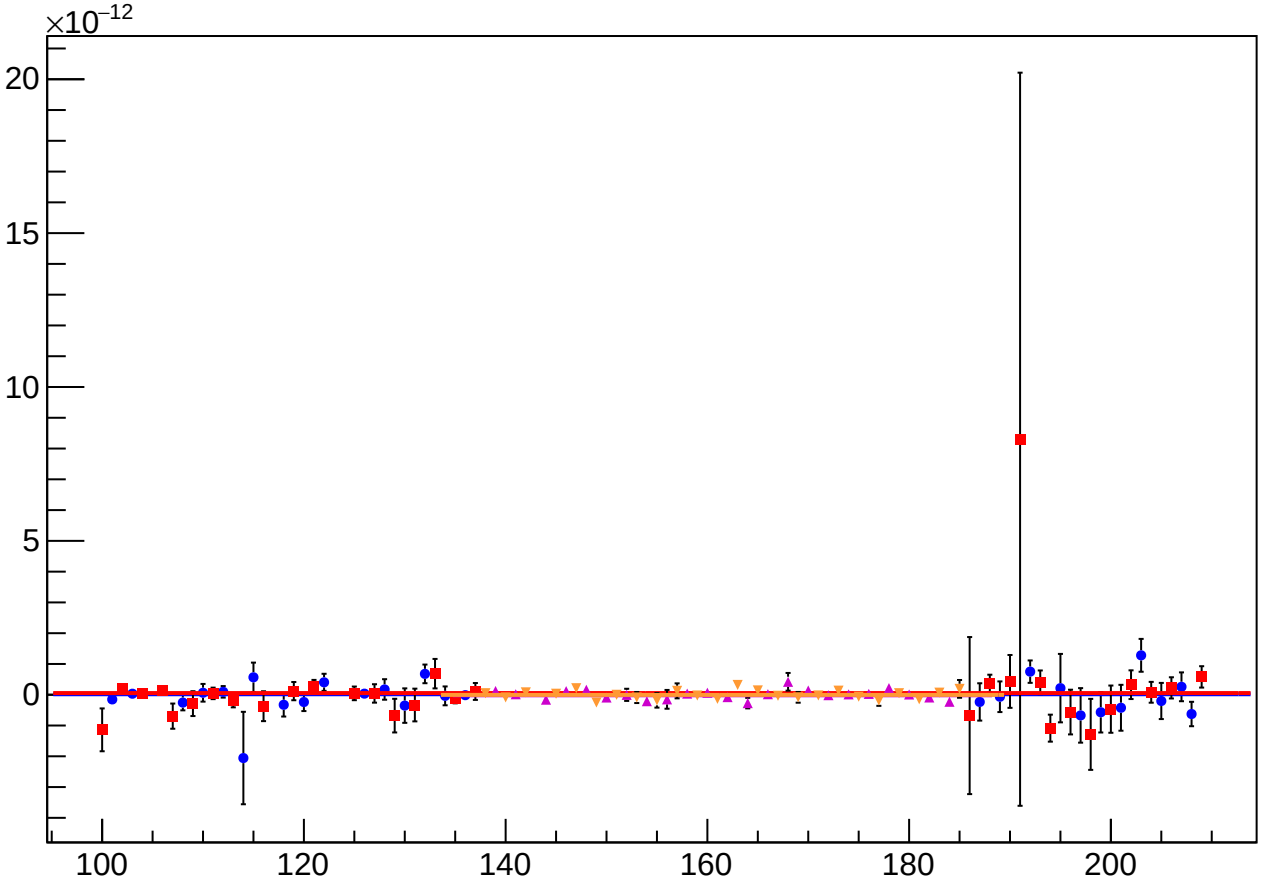
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3621.194+/-0.452 χ^2/NDF: 4090848.8/50

All: 3532.443+/-0.312 χ^2/NDF: 10435429.6/1

- sign 3451.656+/-0.432 χ^2/NDF: 6271023.6/53

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

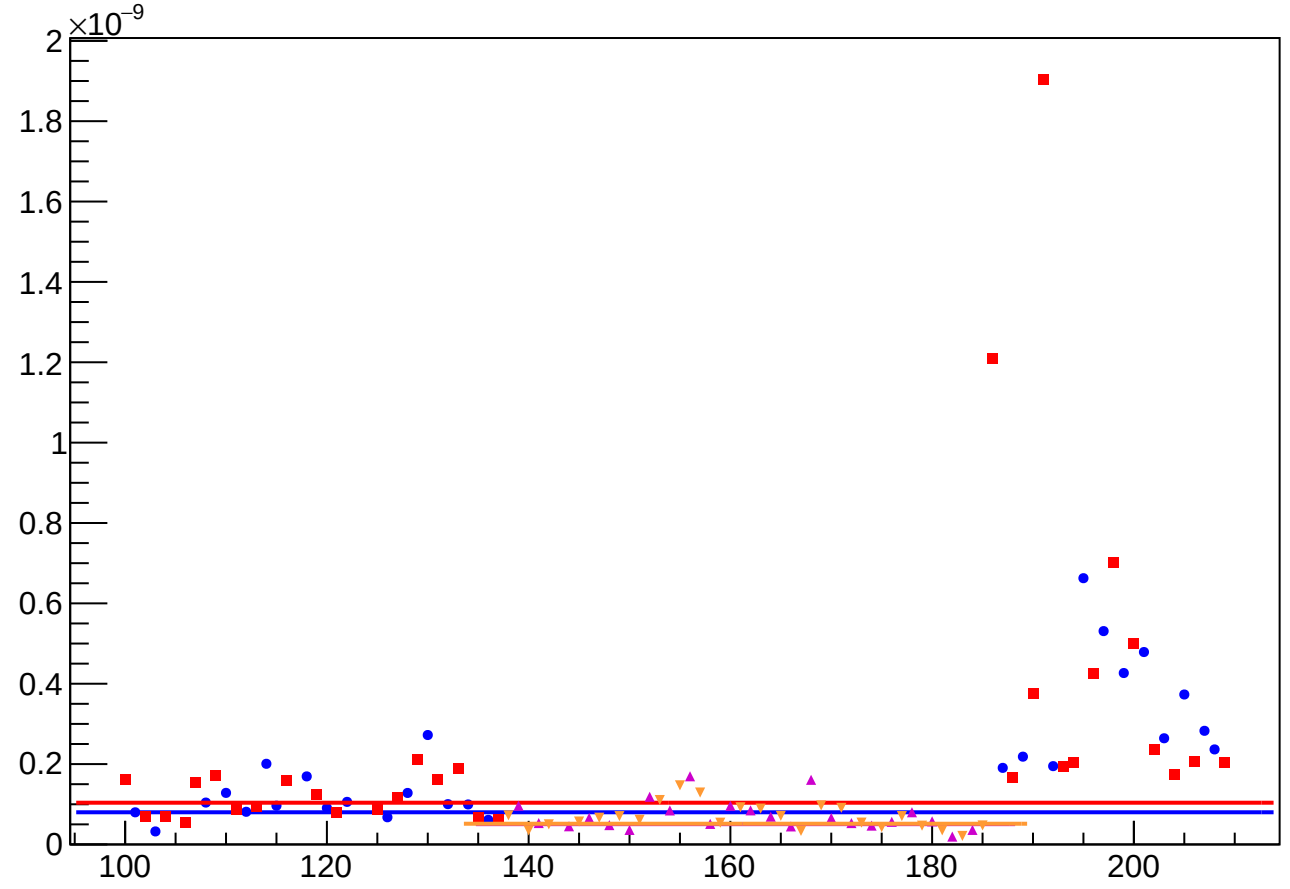
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.4/50

All: -0.000+/-0.000 χ^2/NDF: 114.0/104

- sign -0.000+/-0.000 χ^2/NDF: 59.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 5489428.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3972844.4/30

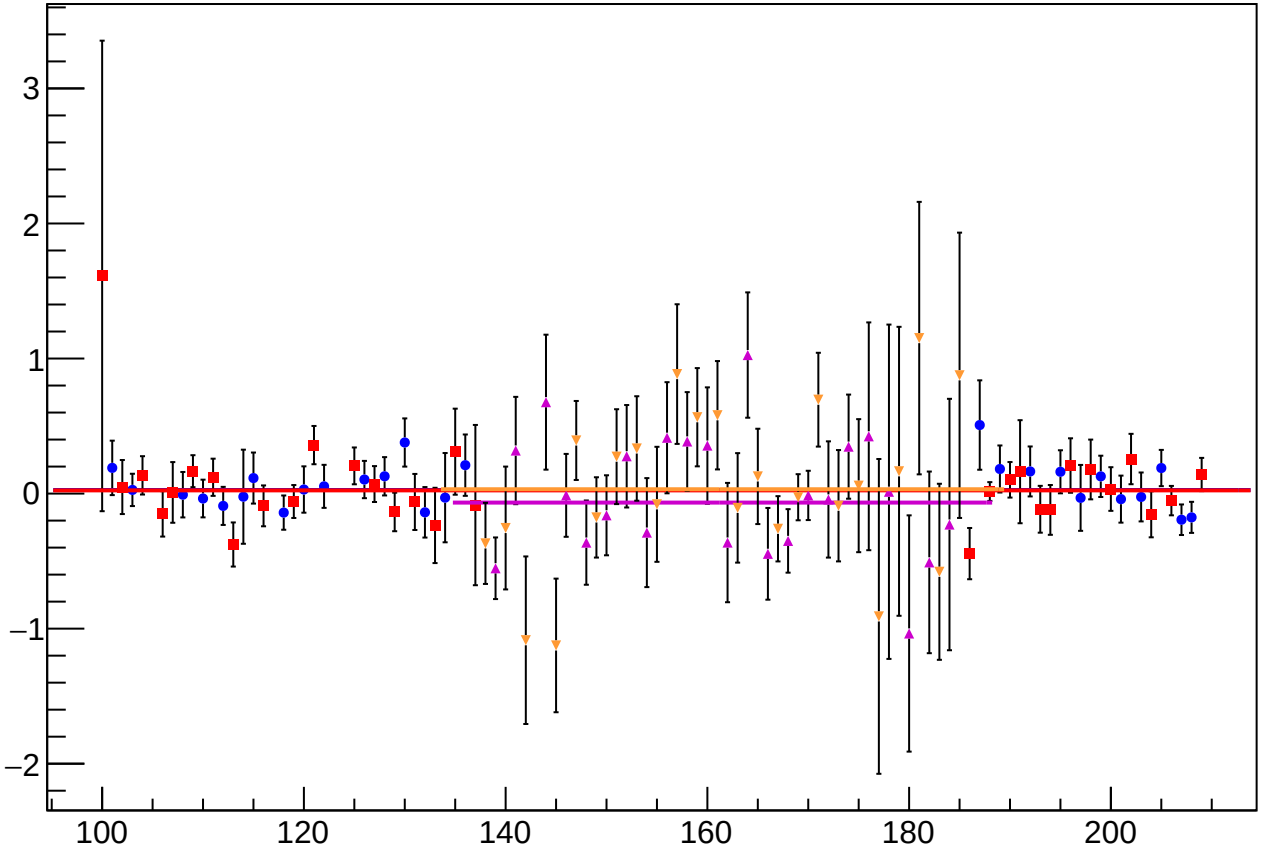
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8463958.0/50

All: 0.000+/-0.000 χ^2/NDF: 16830675.8/104

- sign 0.000+/-0.000 χ^2/NDF: 8359536.8/53

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.024+/-0.028 χ^2/NDF: 35.4/30

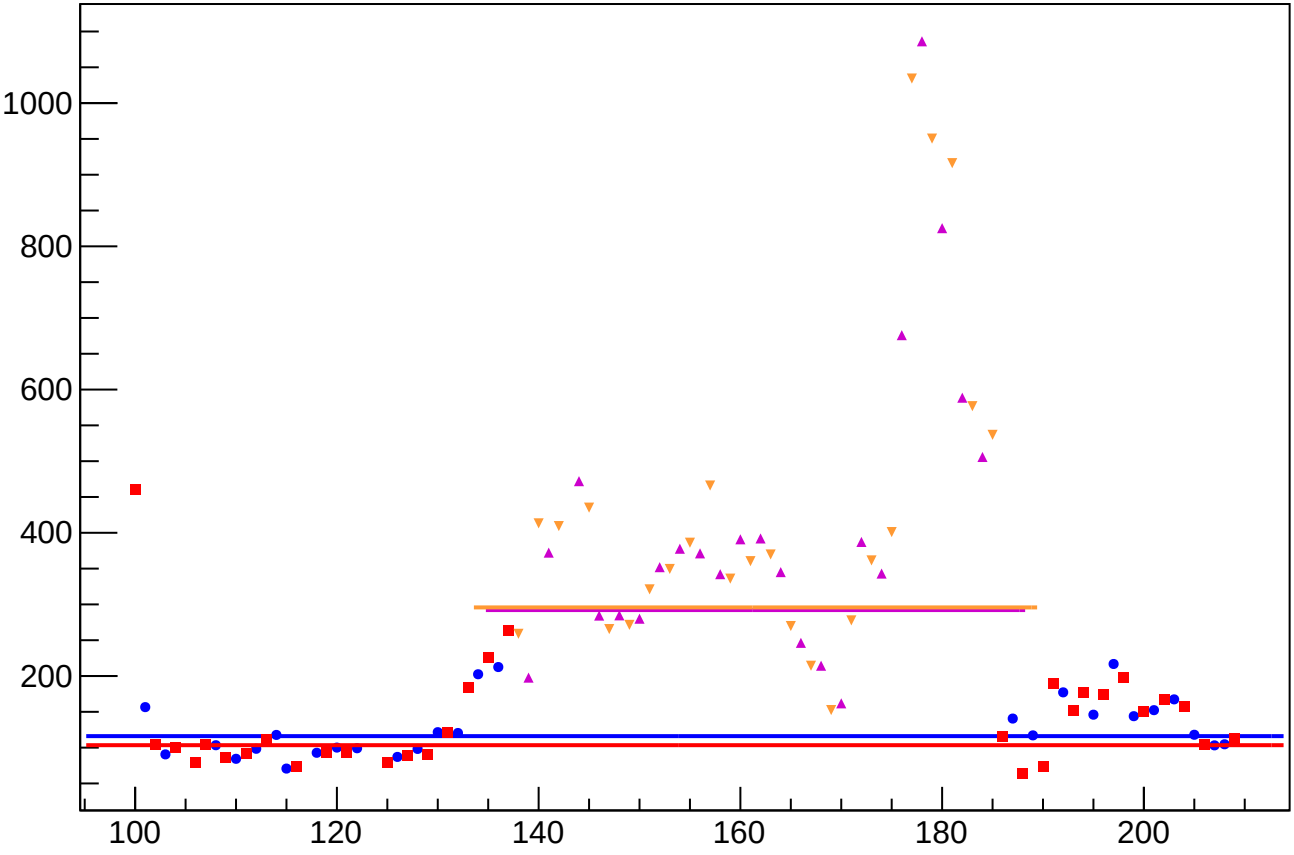
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.019+/-0.019 χ^2/NDF: 115.3/104

- sign 0.013+/-0.026 χ^2/NDF: 62.3/53

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 103.421+/-0.019 χ^2/NDF: 3581608.4/30

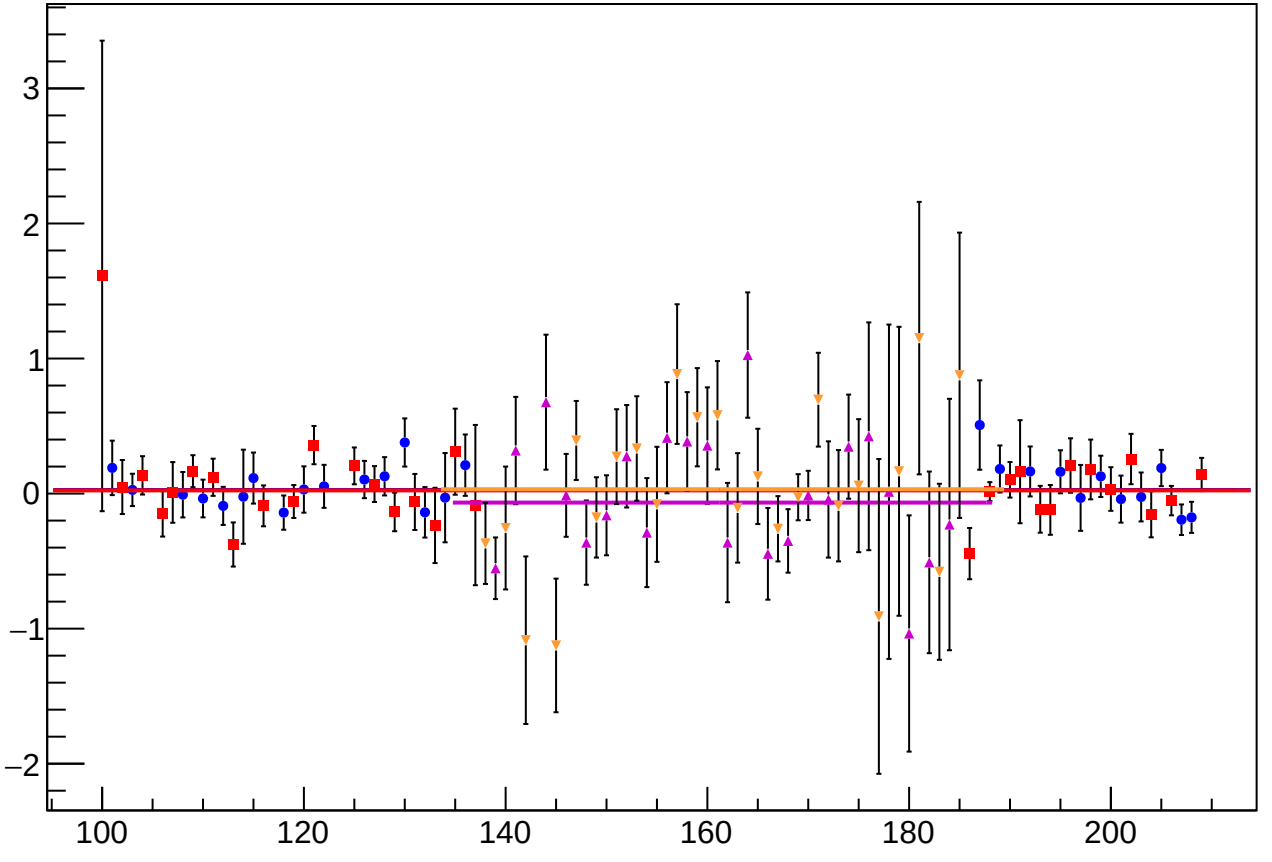
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 141.778+/-0.020 χ^2/NDF: 17245901.8/50

All: 133.034+/-0.014 χ^2/NDF: 37446077.9/10

- sign 125.973+/-0.018 χ^2/NDF: 19865679.4/53

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

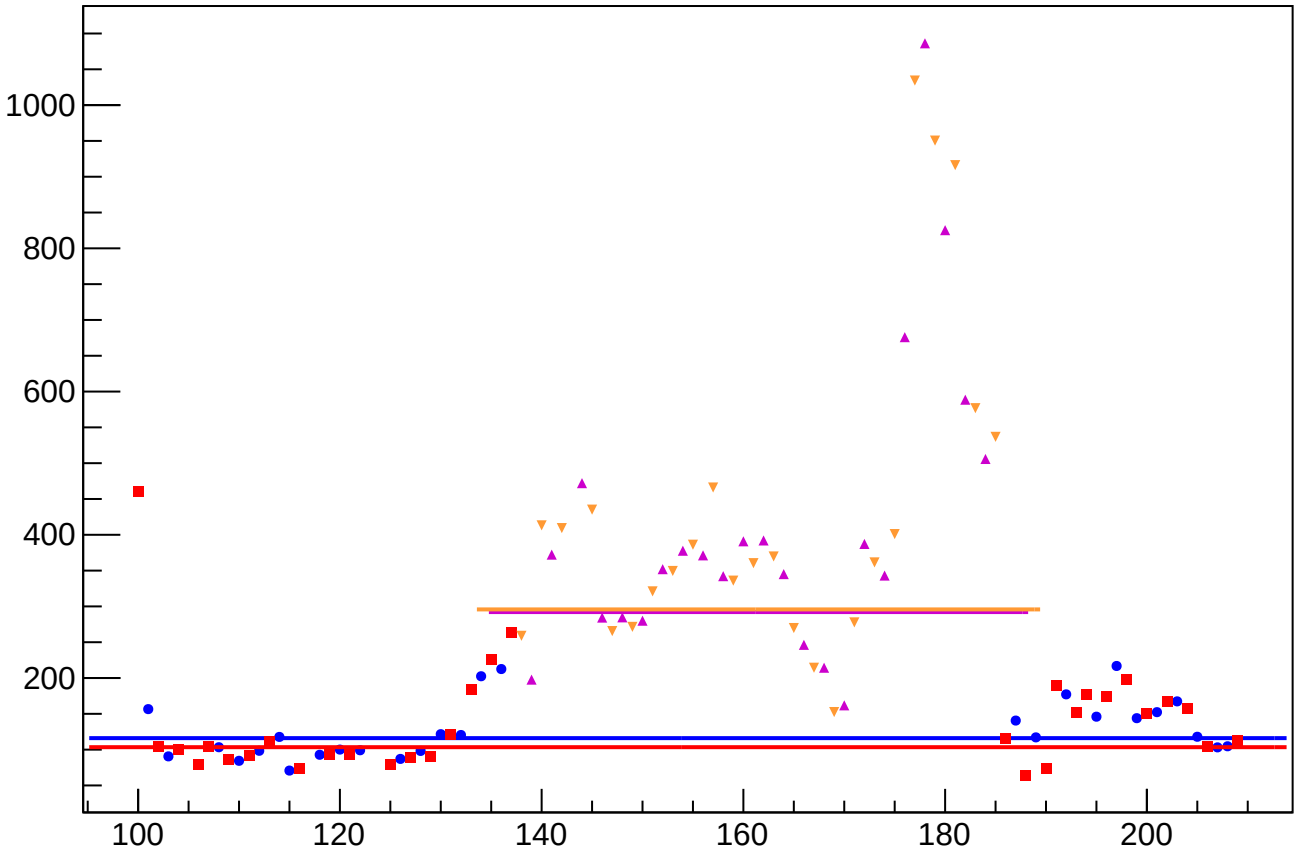
Right Out: 0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.019+/-0.019 χ^2/NDF: 115.3/104

- sign 0.013+/-0.026 χ^2/NDF: 62.3/53



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

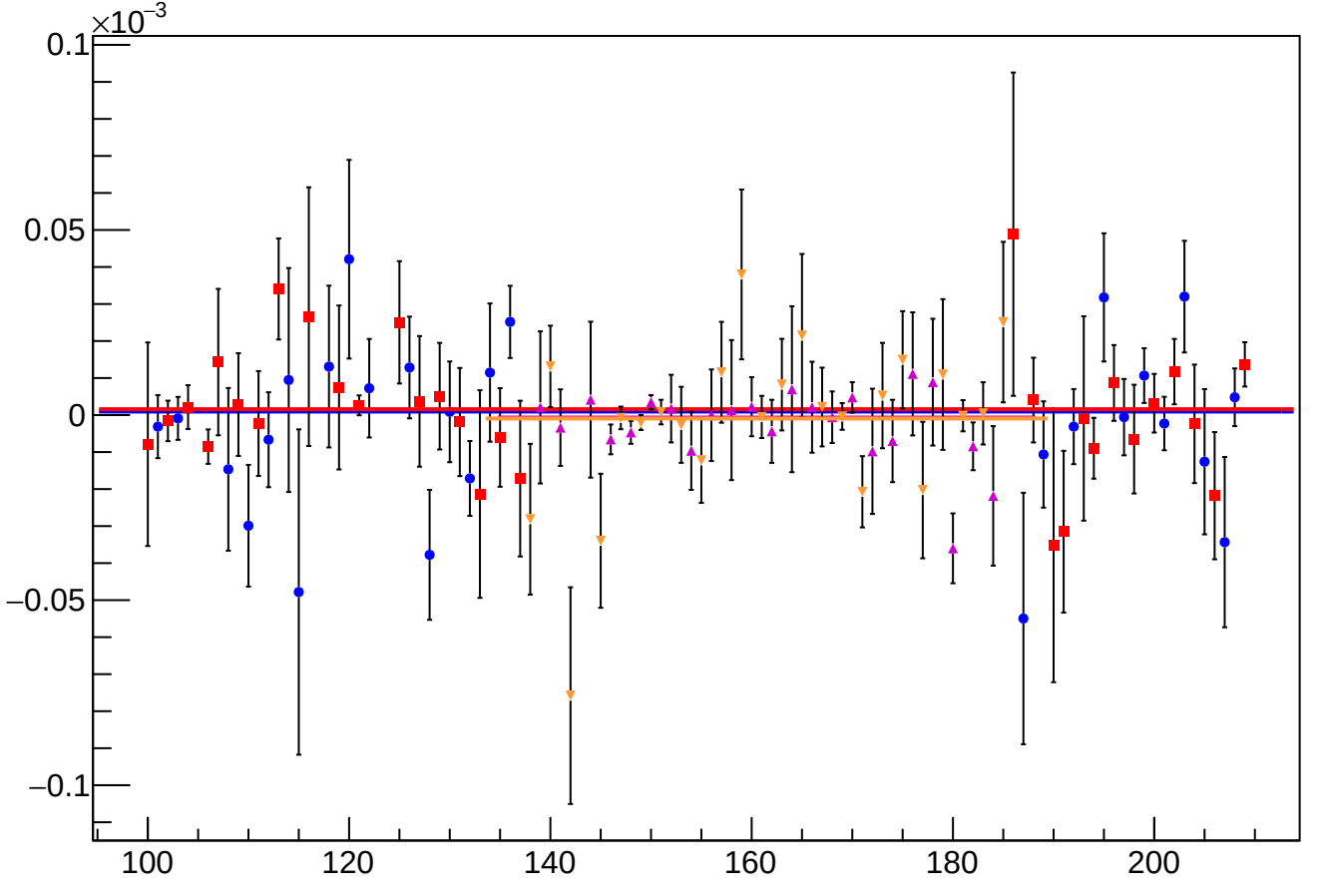
Right Out: 103.421+/-0.019 χ^2/NDF: 3581608.4/30

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 141.778+/-0.020 χ^2/NDF: 17245901.8/50

All: 133.034+/-0.014 χ^2/NDF: 37446077.9/10

- sign 125.973+/-0.018 χ^2/NDF: 19865679.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

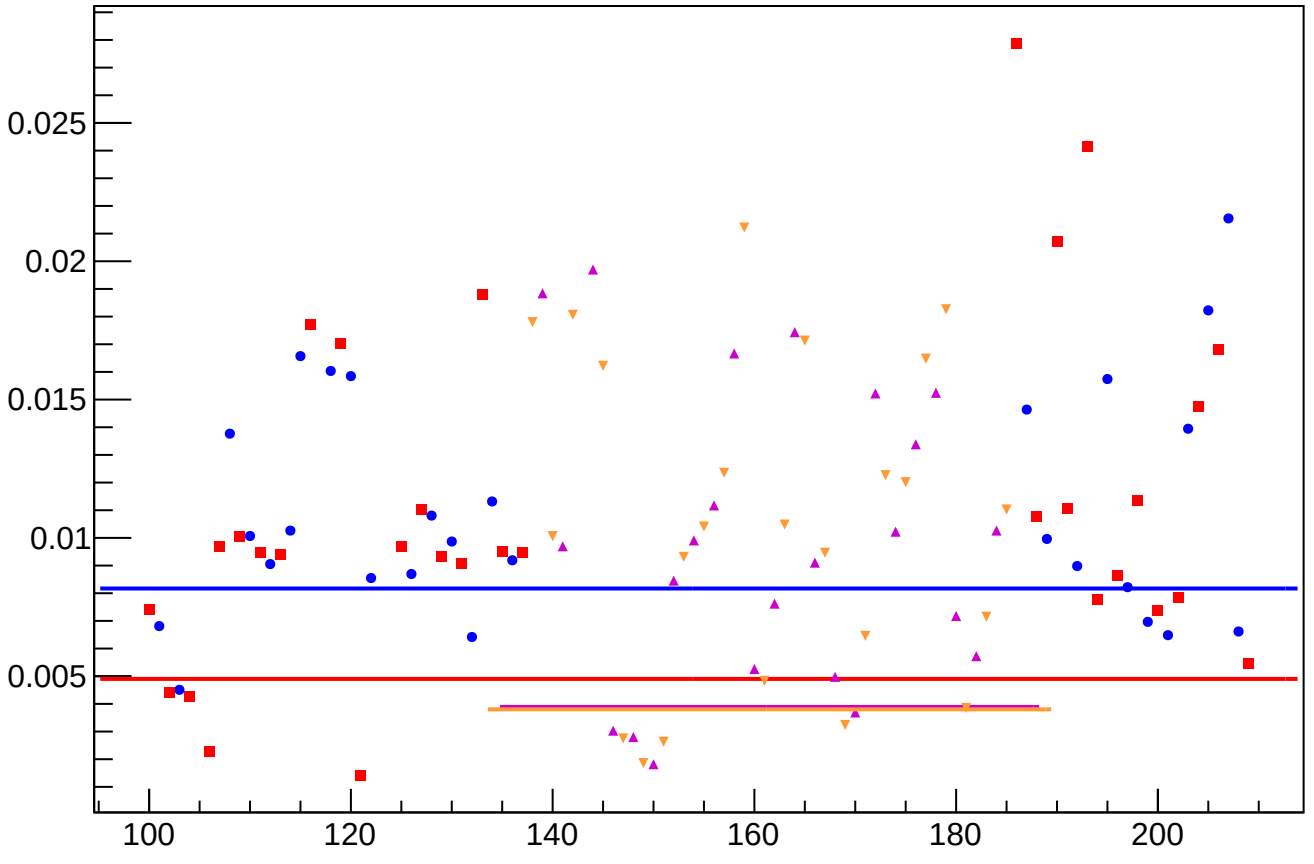
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/30

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.8/50

All: -0.000+/-0.000 χ^2/NDF: 131.4/104

- sign 0.000+/-0.000 χ^2/NDF: 61.4/53



Right In: 0.008+/-0.000 χ^2/NDF: 3975897.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12999639.9/30

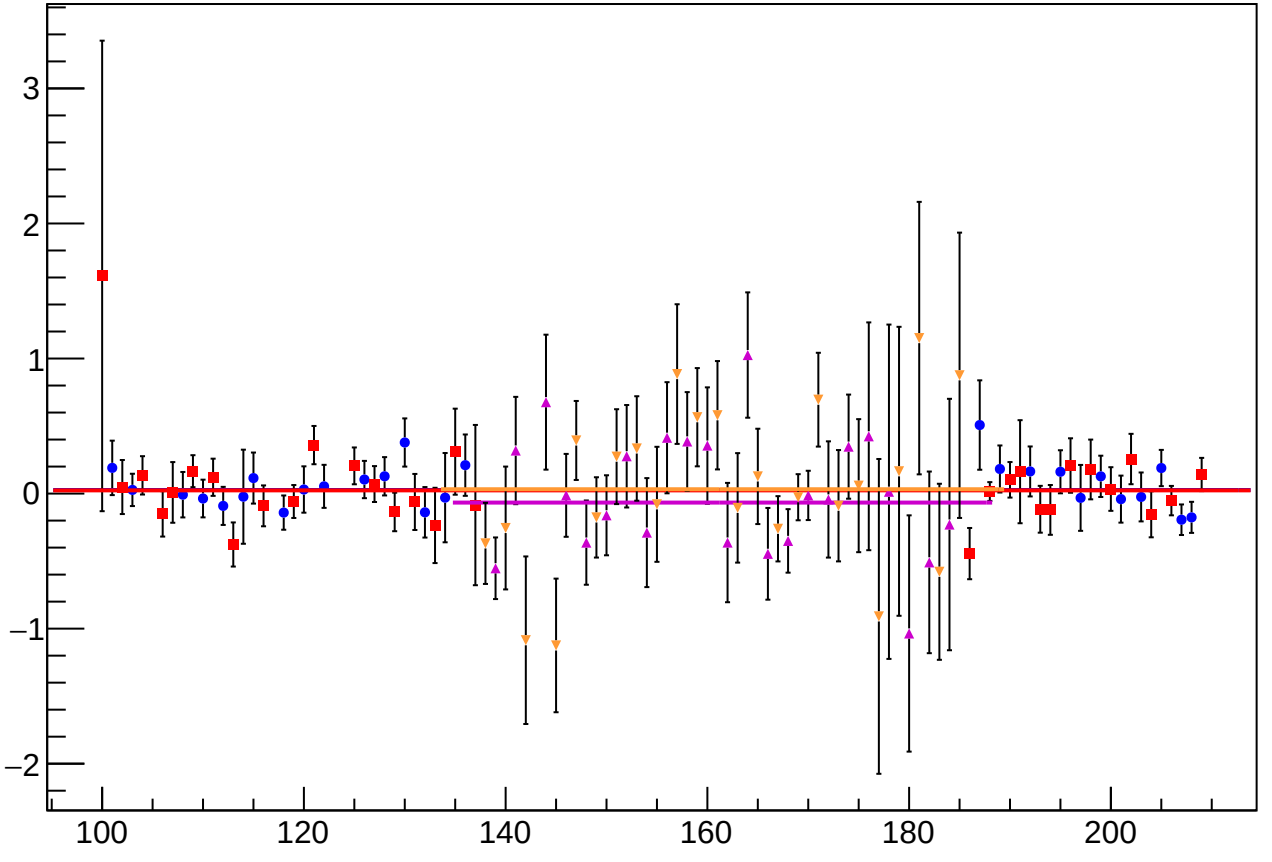
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 24410850.0/50

All: 0.004+/-0.000 χ^2/NDF: 51660814.1/104

- sign 0.004+/-0.000 χ^2/NDF: 27032428.6/53

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

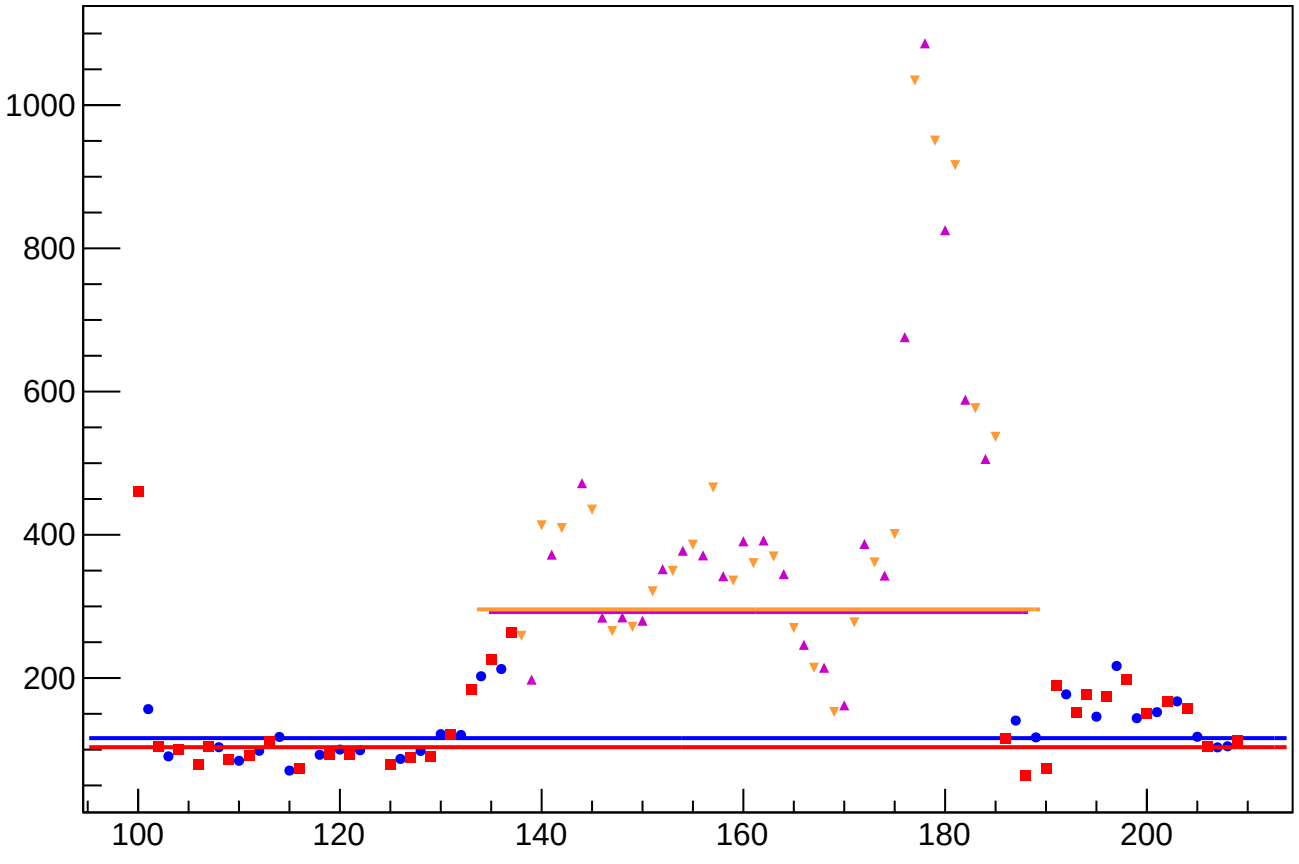
Right Out: 0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.019+/-0.019 χ^2/NDF: 115.3/104

- sign 0.013+/-0.026 χ^2/NDF: 62.3/53



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

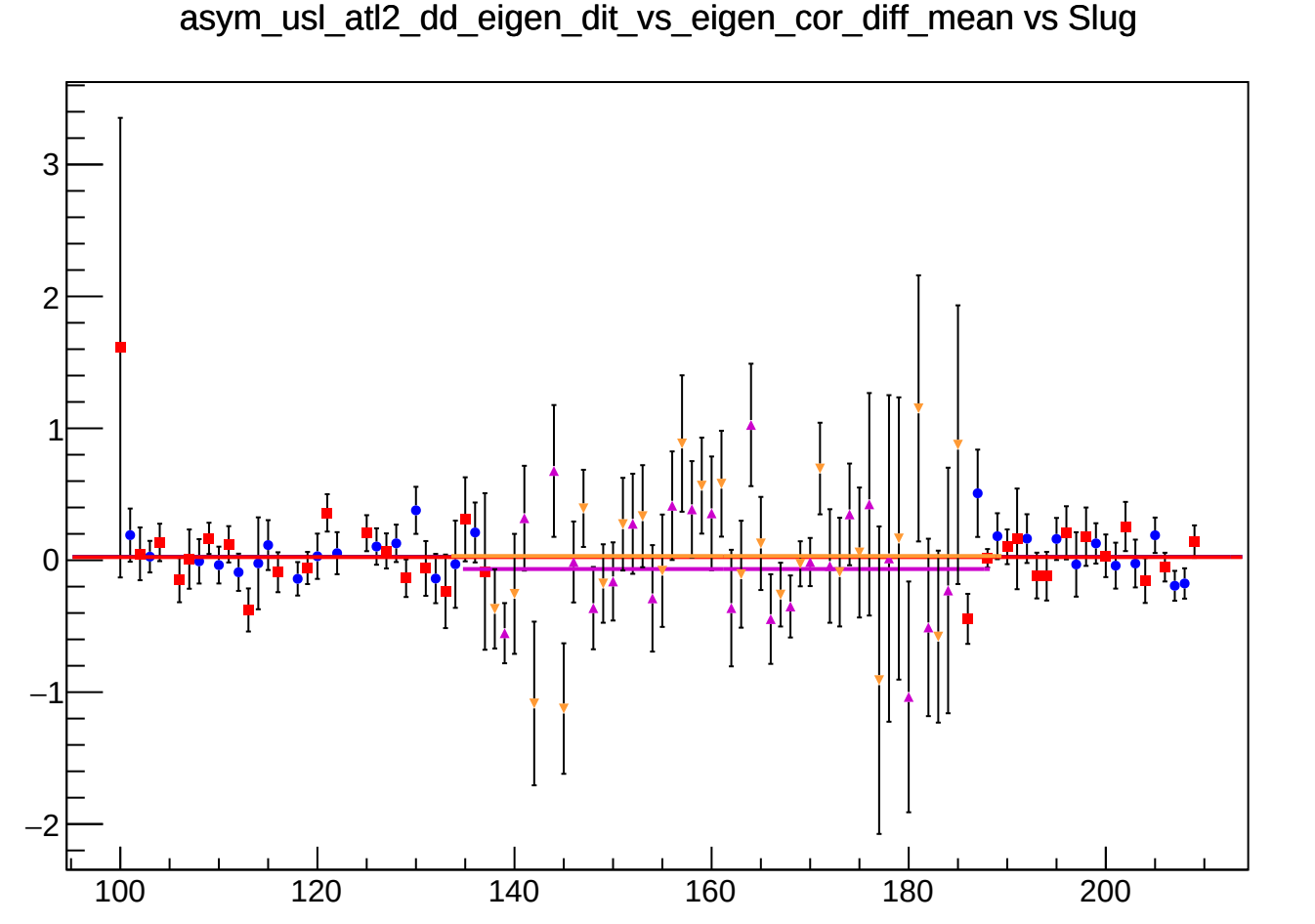
Right Out: 103.420+/-0.019 χ^2/NDF: 3581792.3/30

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 141.779+/-0.020 χ^2/NDF: 17245933.2/50

All: 133.033+/-0.014 χ^2/NDF: 37446681.8/10

- sign 125.971+/-0.018 χ^2/NDF: 19866169.0/53



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

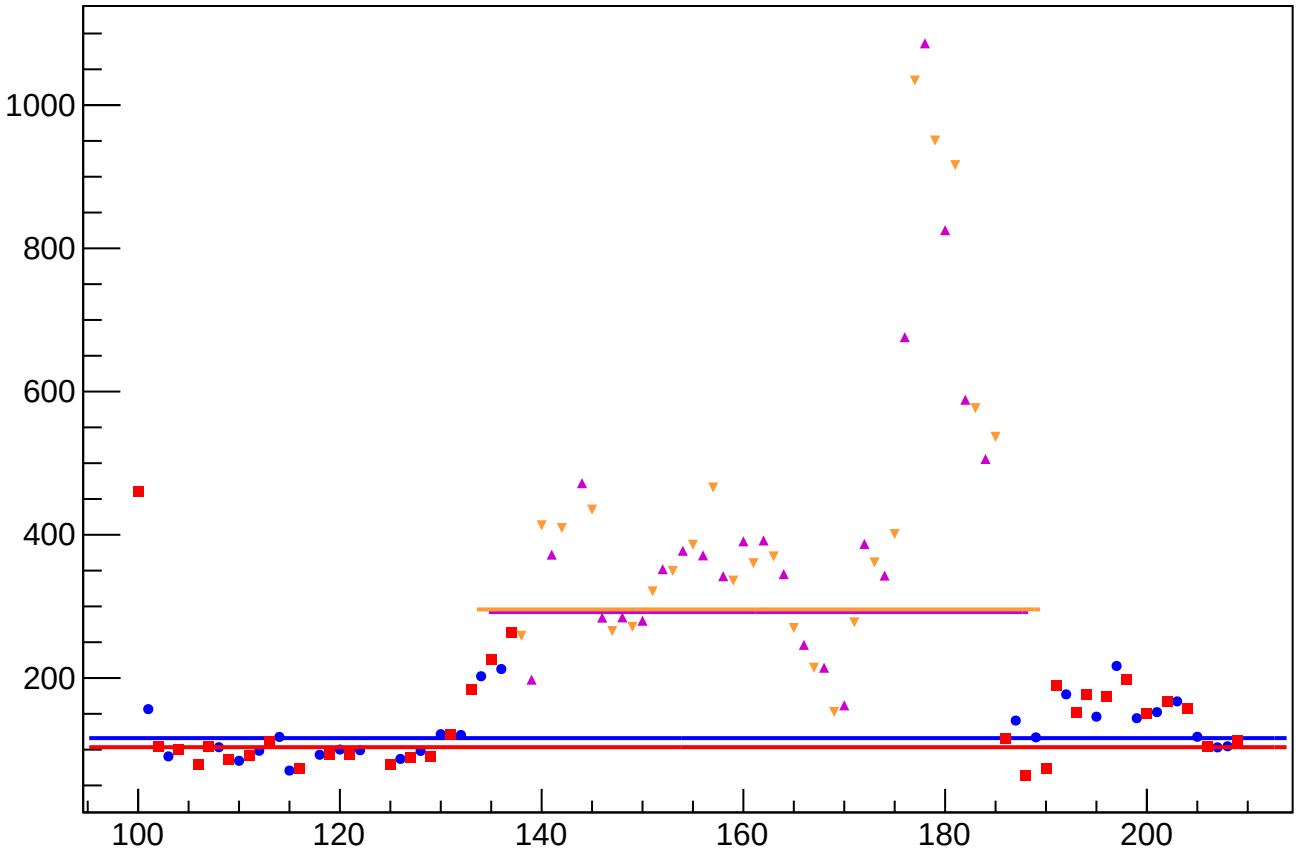
Right Out: 0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.029 χ^2/NDF: 52.8/50

All: 0.019+/-0.019 χ^2/NDF: 115.3/104

- sign 0.013+/-0.026 χ^2/NDF: 62.3/53



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

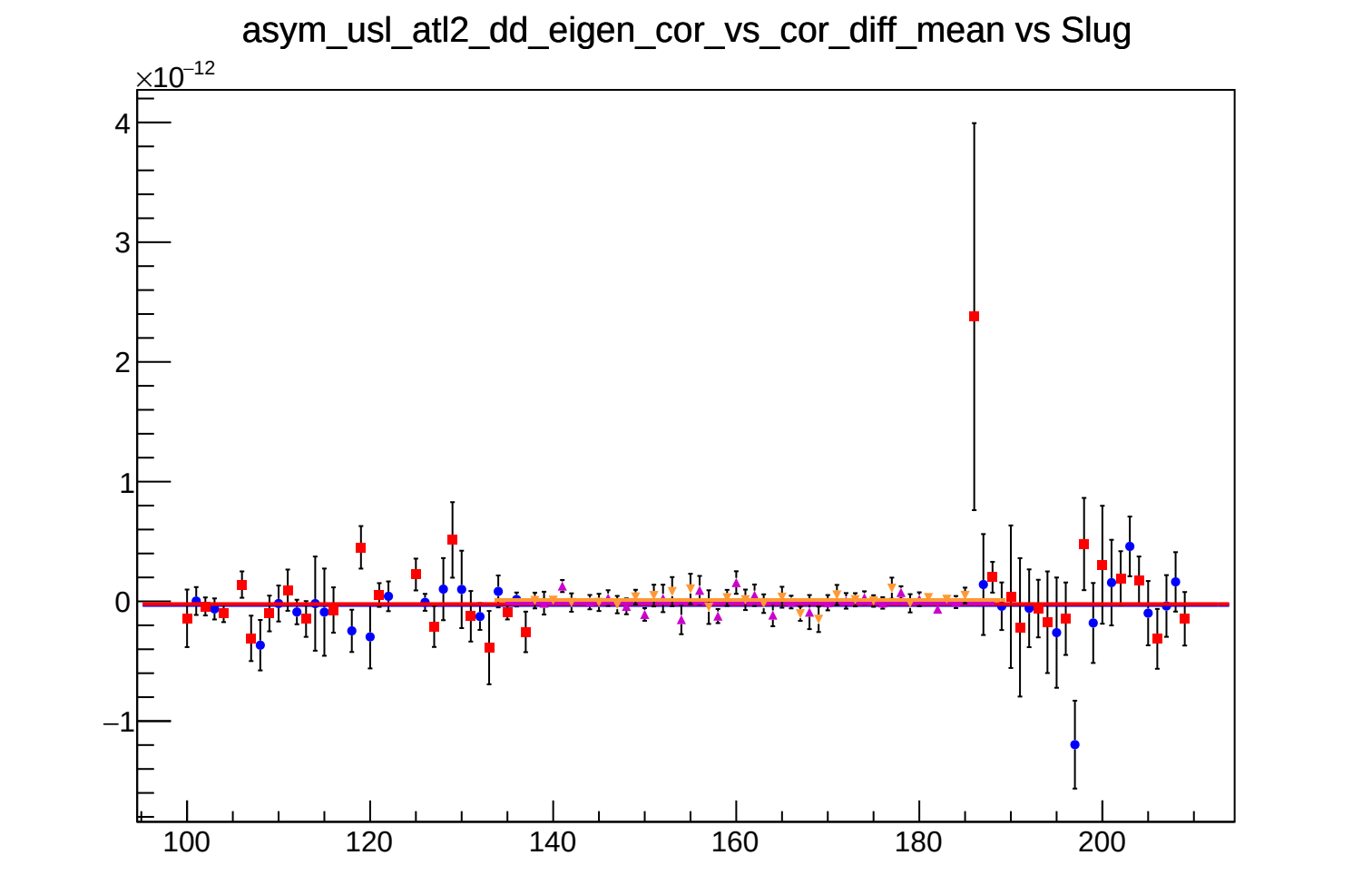
Right Out: 103.420+/-0.019 χ^2/NDF: 3581792.3/30

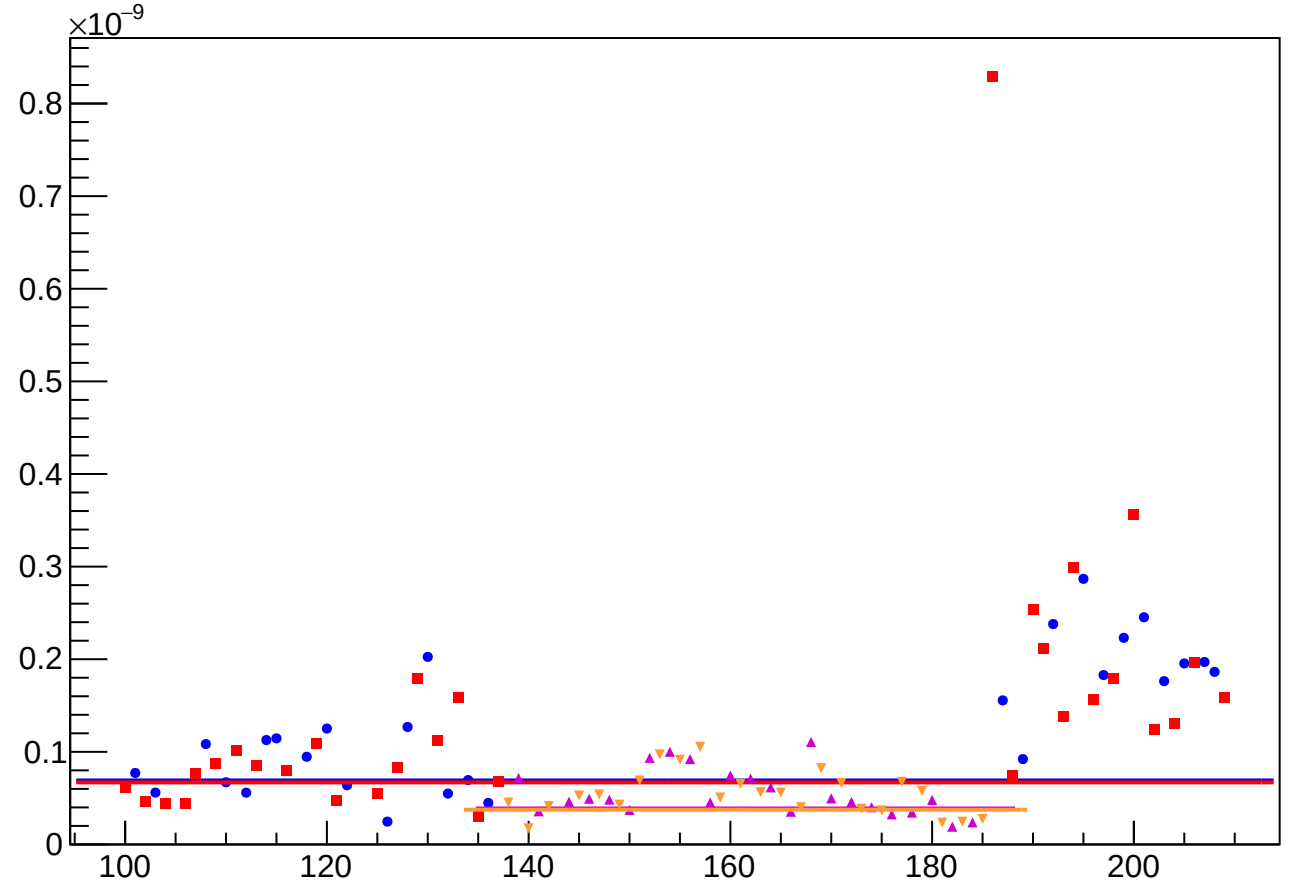
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 141.779+/-0.020 χ^2/NDF: 17245933.2/50

All: 133.033+/-0.014 χ^2/NDF: 37446681.8/10

- sign 125.971+/-0.018 χ^2/NDF: 19866169.0/53


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.1/26
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 38.7/30
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 36.6/50
All: -0.000+/-0.000 χ²/NDF: 108.2/104
- sign -0.000+/-0.000 χ²/NDF: 69.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 5909801.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5867579.4/30

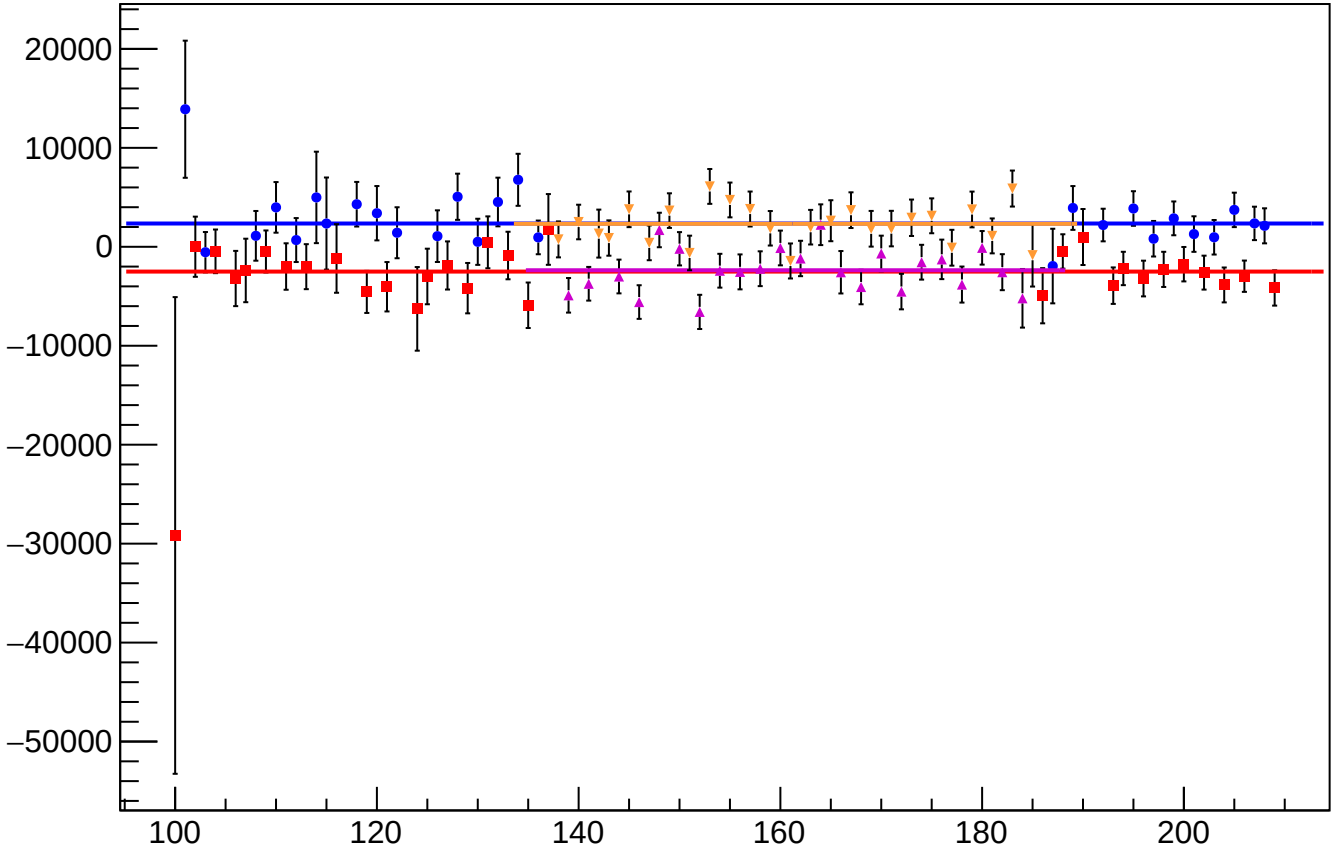
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13046676.2/50

All: 0.000+/-0.000 χ^2/NDF: 25352653.1/104

- sign 0.000+/-0.000 χ^2/NDF: 12292571.2/53

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2353.283+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2504.825+/-399.787 χ^2/NDF: 18.2/30

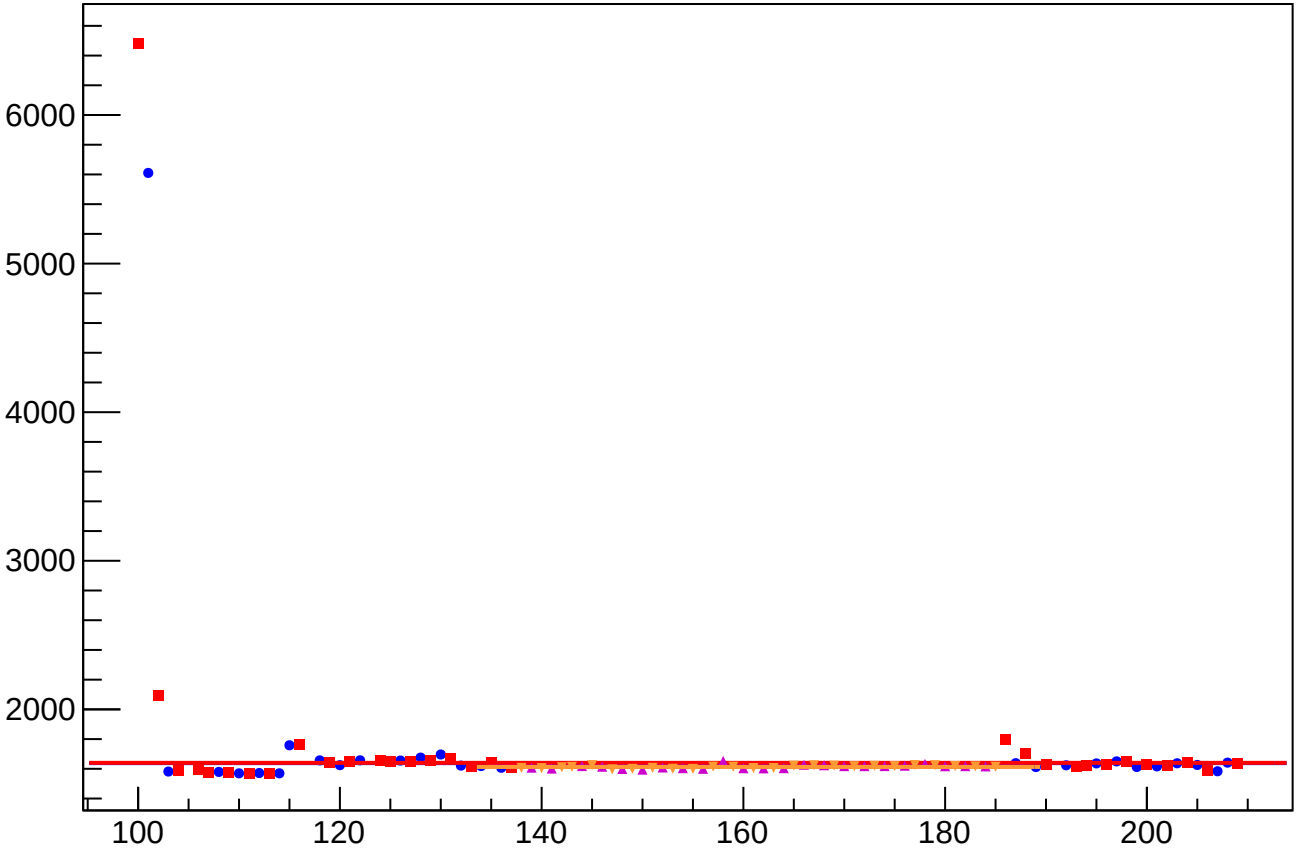
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2335.137+/-274.908 χ^2/NDF: 46.4/51

All: -55.429+/-194.140 χ^2/NDF: 249.2/105

- sign -2433.758+/-274.203 χ^2/NDF: 52.0/53

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF: 671420.0/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.072+/-0.283 χ^2/NDF: 148647.3/30

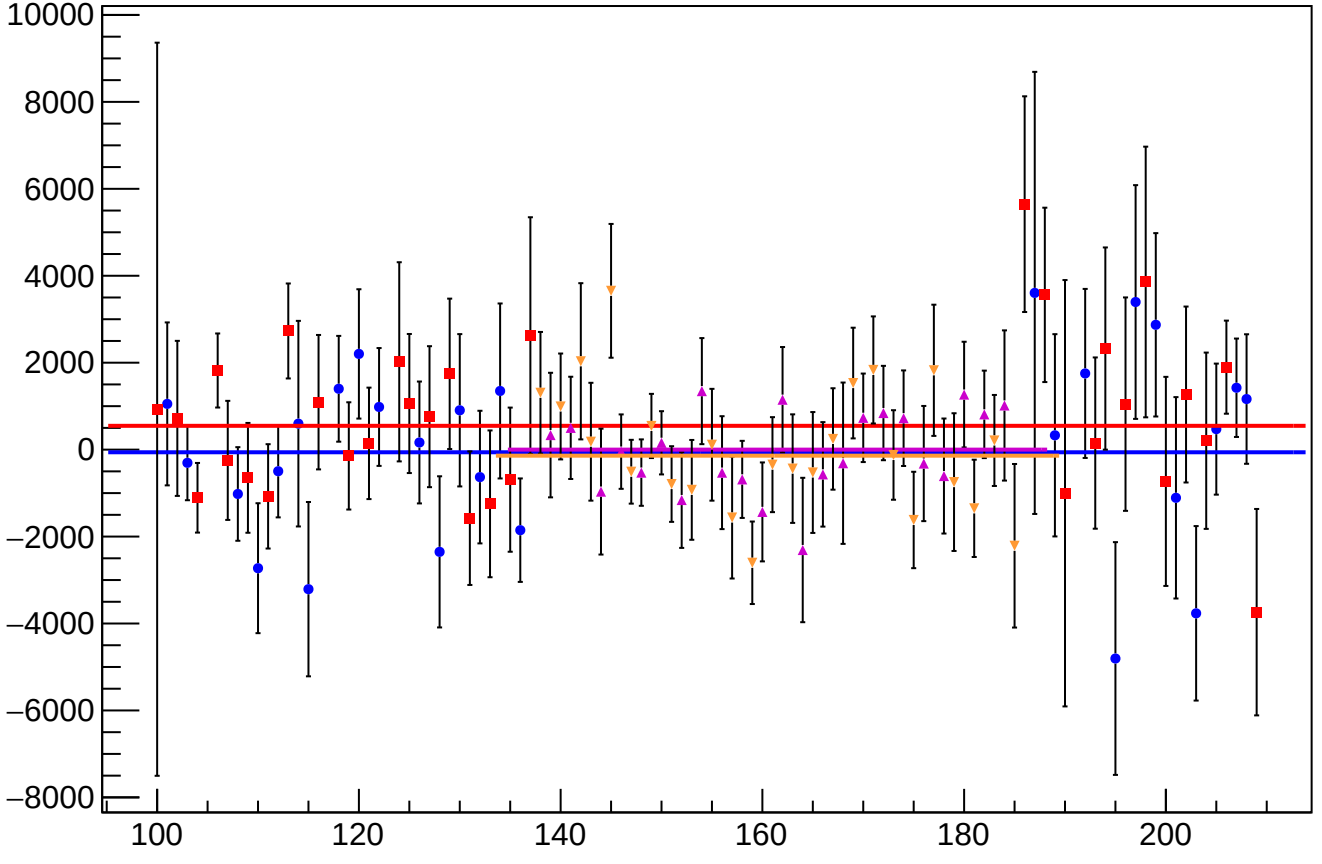
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF: 676907.9/51

All: 1625.007+/-0.137 χ^2/NDF: 832556.4/105

- sign 1626.155+/-0.194 χ^2/NDF: 155578.1/53

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -60.766+/-293.935 χ^2/NDF: 30.7/26

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 547.774+/-276.468 χ^2/NDF: 33.0/30

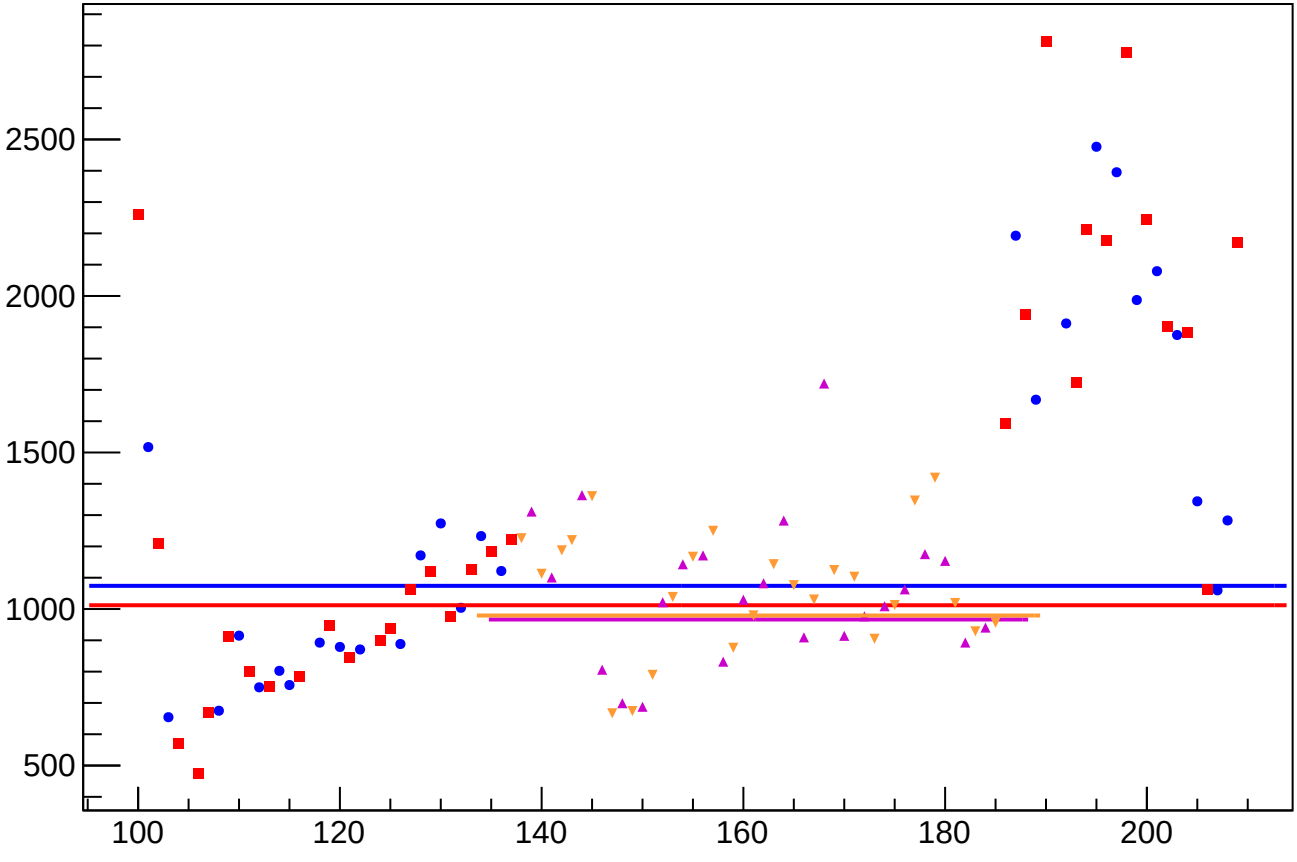
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -109.443+/-180.709 χ^2/NDF: 60.9/51

All: 61.266+/-126.694 χ^2/NDF: 110.8/105

- sign 226.288+/-177.674 χ^2/NDF: 48.1/53

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1074.039+/-0.208 χ^2/NDF: 4163011.6/26

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1012.040+/-0.195 χ^2/NDF: 6388840.4/30

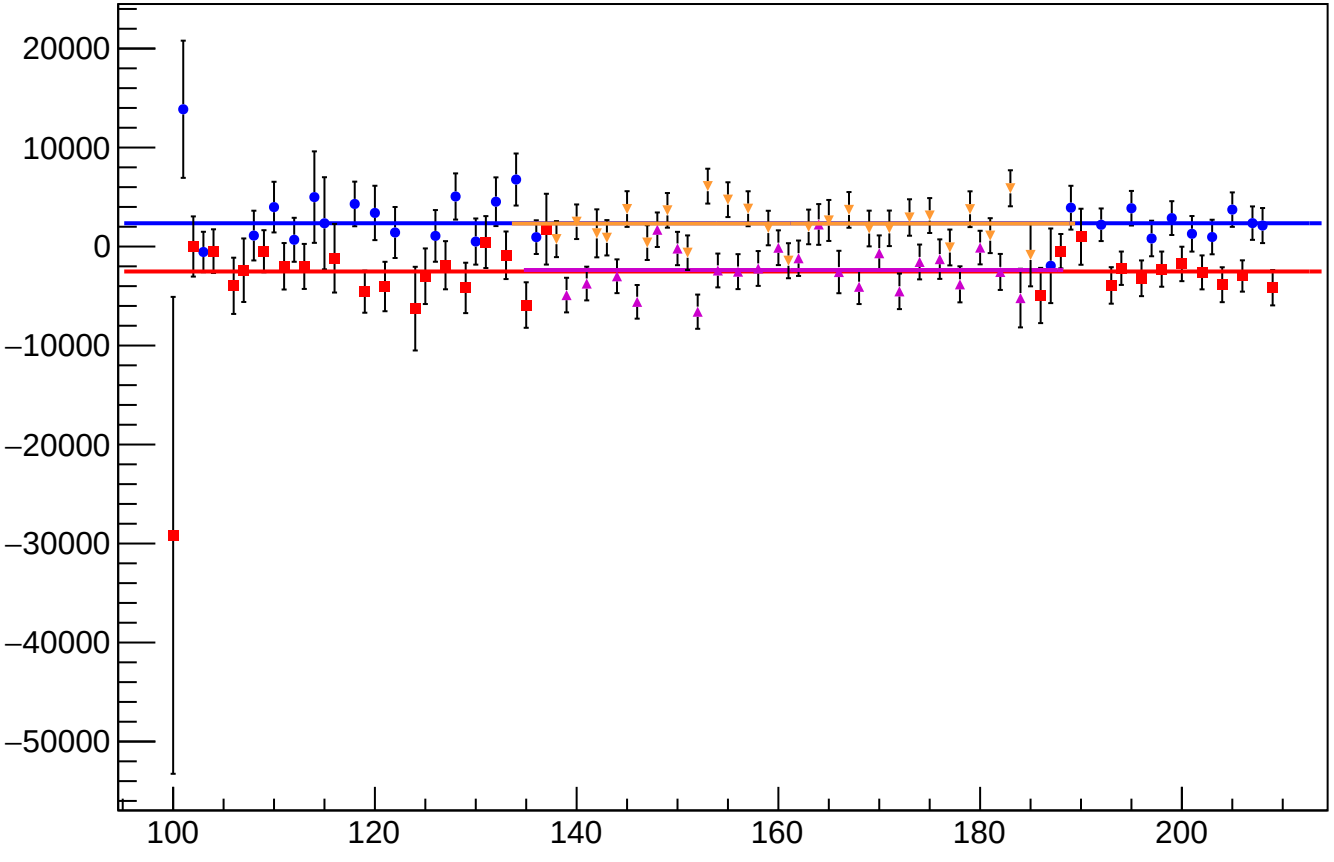
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1015.105+/-0.128 χ^2/NDF: 5922891.0/51

All: 999.962+/-0.090 χ^2/NDF: 13973765.4/10

- sign 985.323+/-0.126 χ^2/NDF: 8023253.6/53

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2519.575+/-399.928 χ^2/NDF: 18.3/30

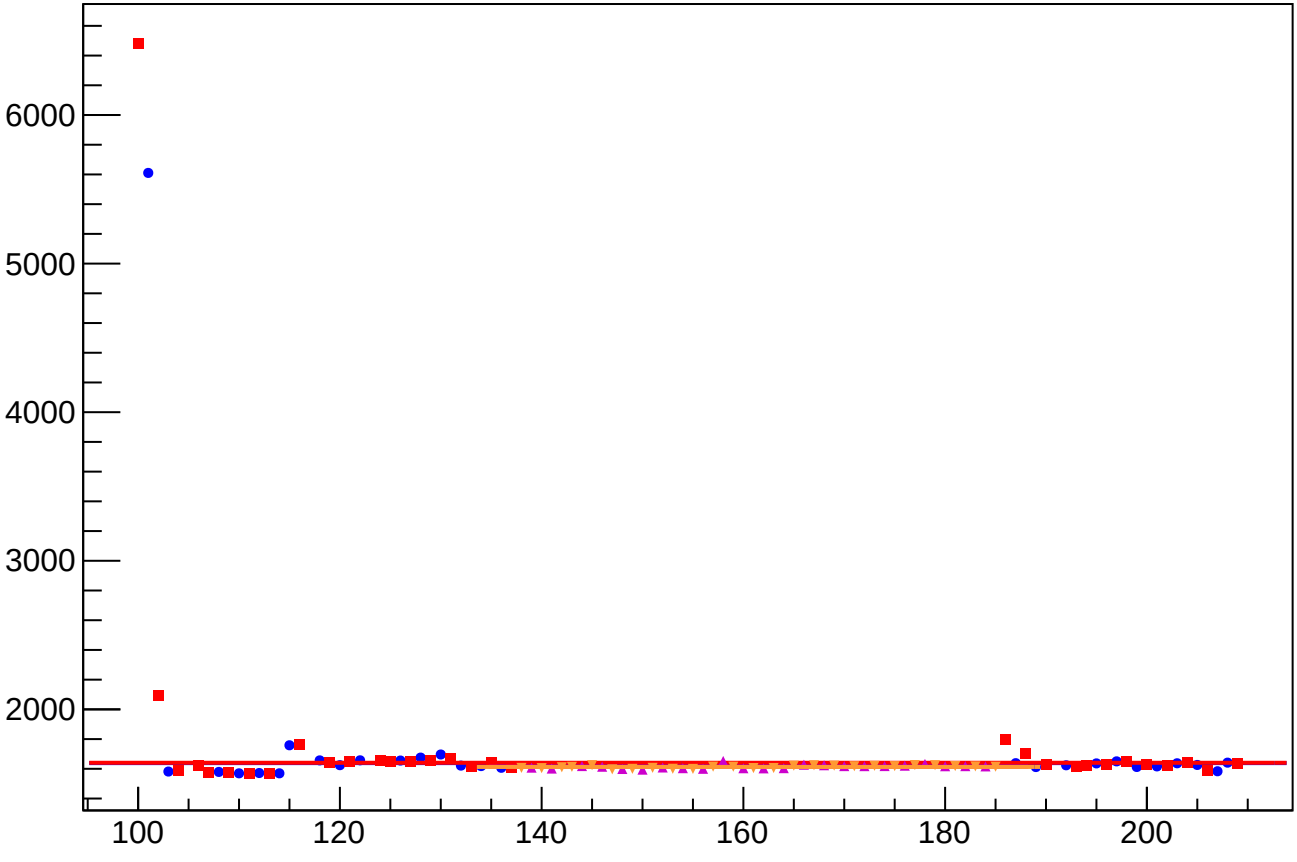
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2335.012+/-274.908 χ^2/NDF: 46.4/51

All: -58.579+/-194.156 χ^2/NDF: 249.8/105

- sign -2440.708+/-274.249 χ^2/NDF: 52.2/53

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.630+/-0.283 χ^2/NDF: 148184.8/30

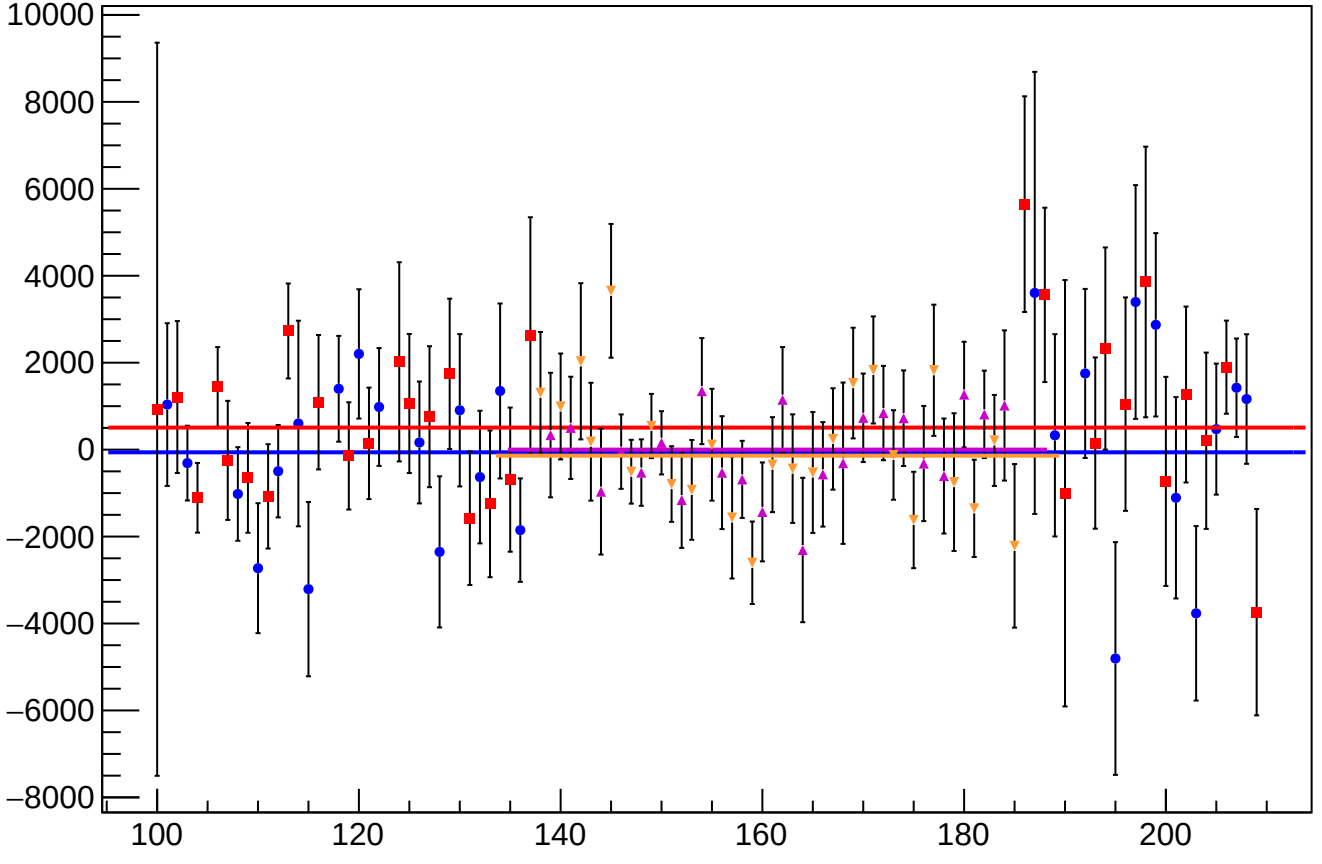
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF: 676907.4/51

All: 1625.136+/-0.137 χ^2/NDF: 832304.6/105

- sign 1626.413+/-0.194 χ^2/NDF: 155310.2/53

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 507.249+/-278.374 χ^2/NDF: 31.8/30

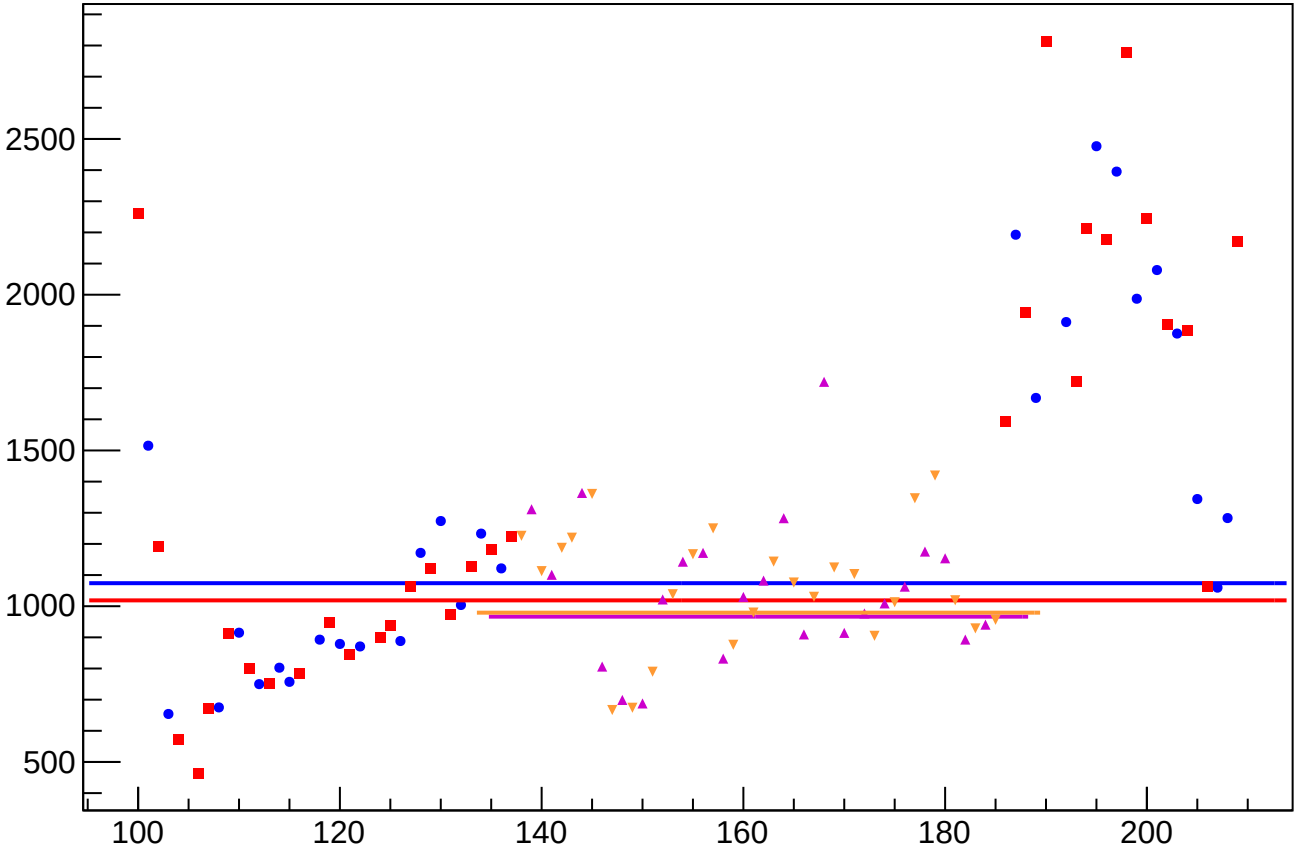
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -109.852+/-180.702 χ^2/NDF: 60.9/51

All: 51.234+/-126.873 χ^2/NDF: 109.1/105

\- sign 207.851+/-178.177 χ^2/NDF: 46.6/53

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1018.735+/-0.197 χ^2/NDF: 6301837.1/30

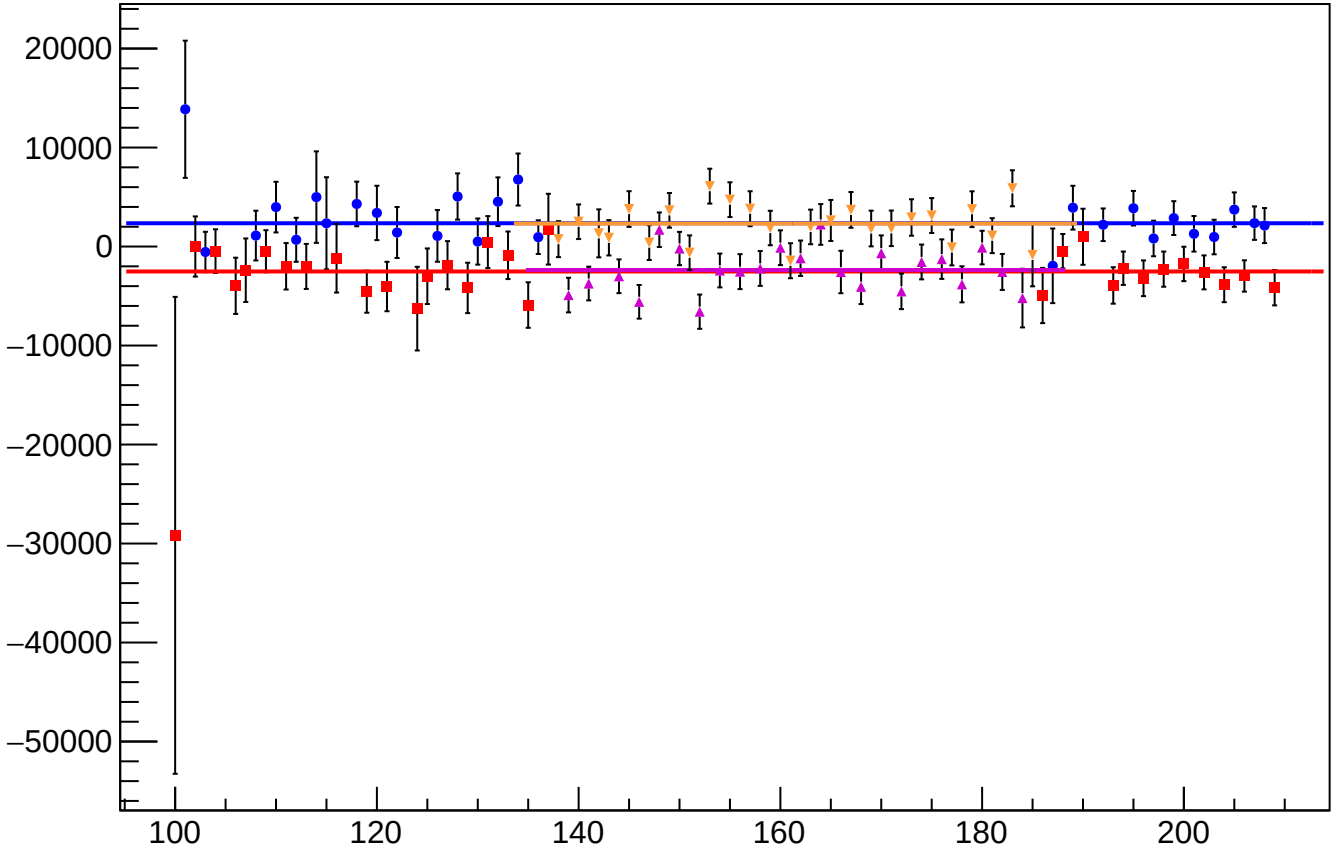
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1015.064+/-0.128 χ^2/NDF: 5923285.3/51

All: 1001.300+/-0.090 χ^2/NDF: 13892090.2/1

- sign 987.918+/-0.126 χ^2/NDF: 7945919.6/53

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2519.575+/-399.928 χ^2/NDF: 18.3/30

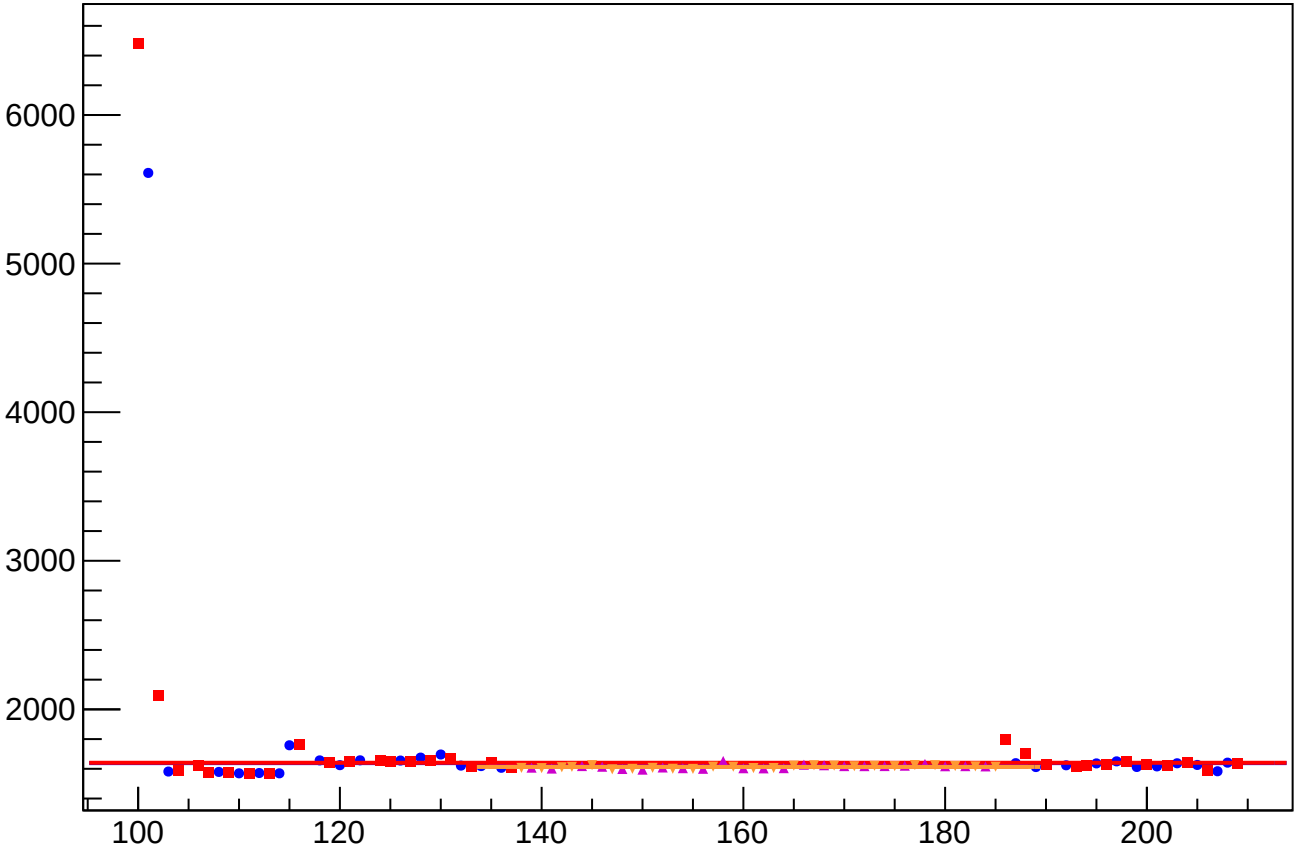
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2335.012+/-274.908 χ^2/NDF: 46.4/51

All: -58.579+/-194.156 χ^2/NDF: 249.8/105

- sign -2440.708+/-274.249 χ^2/NDF: 52.2/53

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

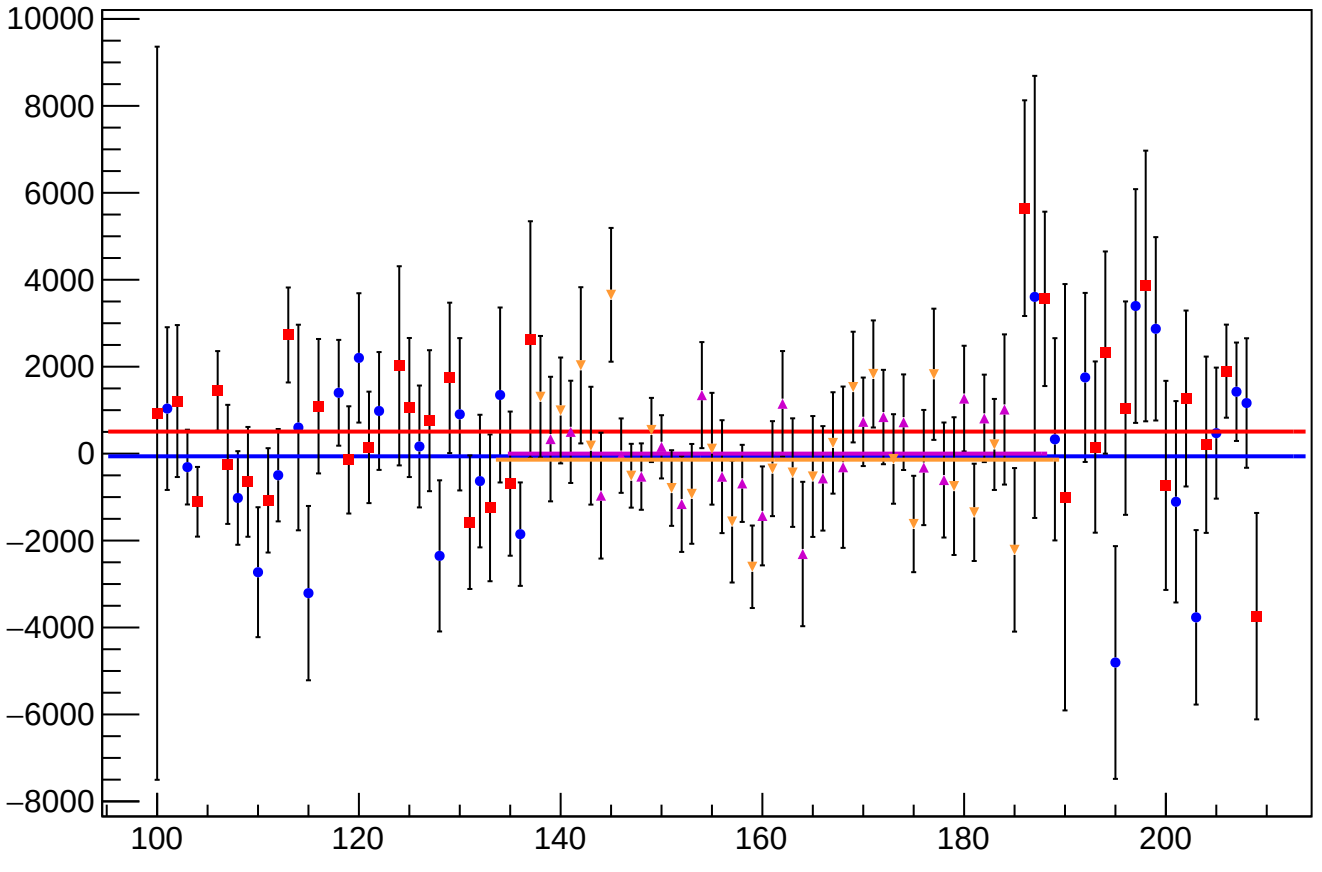
Right Out: 1640.630+/-0.283 χ^2/NDF: 148184.8/30

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.852+/-0.194 χ^2/NDF: 676907.4/51

All: 1625.136+/-0.137 χ^2/NDF: 832304.6/105

- sign 1626.413+/-0.194 χ^2/NDF: 155310.2/53



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

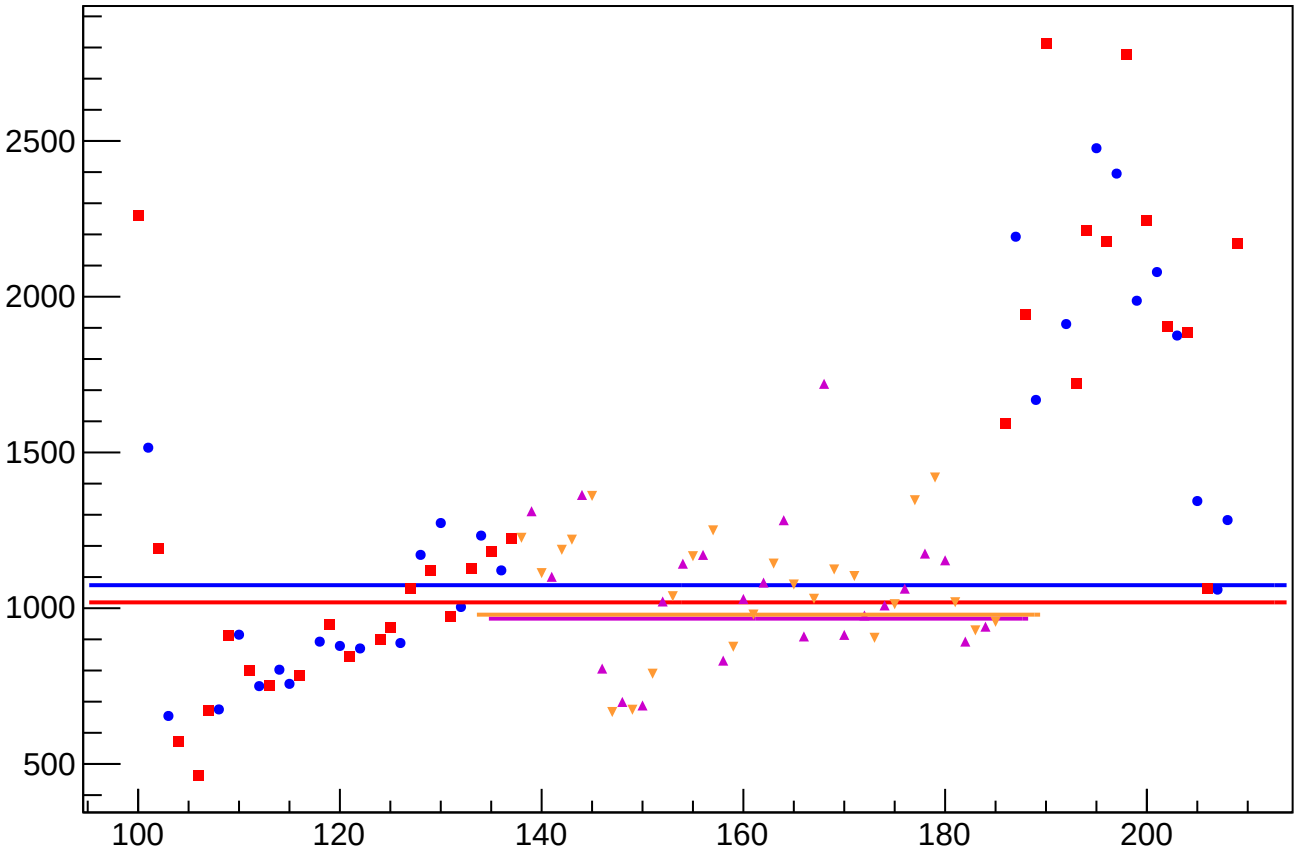
Right Out: 507.249+/-278.374 χ^2/NDF: 31.8/30

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -109.852+/-180.702 χ^2/NDF: 60.9/51

All: 51.234+/-126.873 χ^2/NDF: 109.1/105

- sign 207.851+/-178.177 χ^2/NDF: 46.6/53



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1018.735+/-0.197 χ^2/NDF: 6301837.1/30

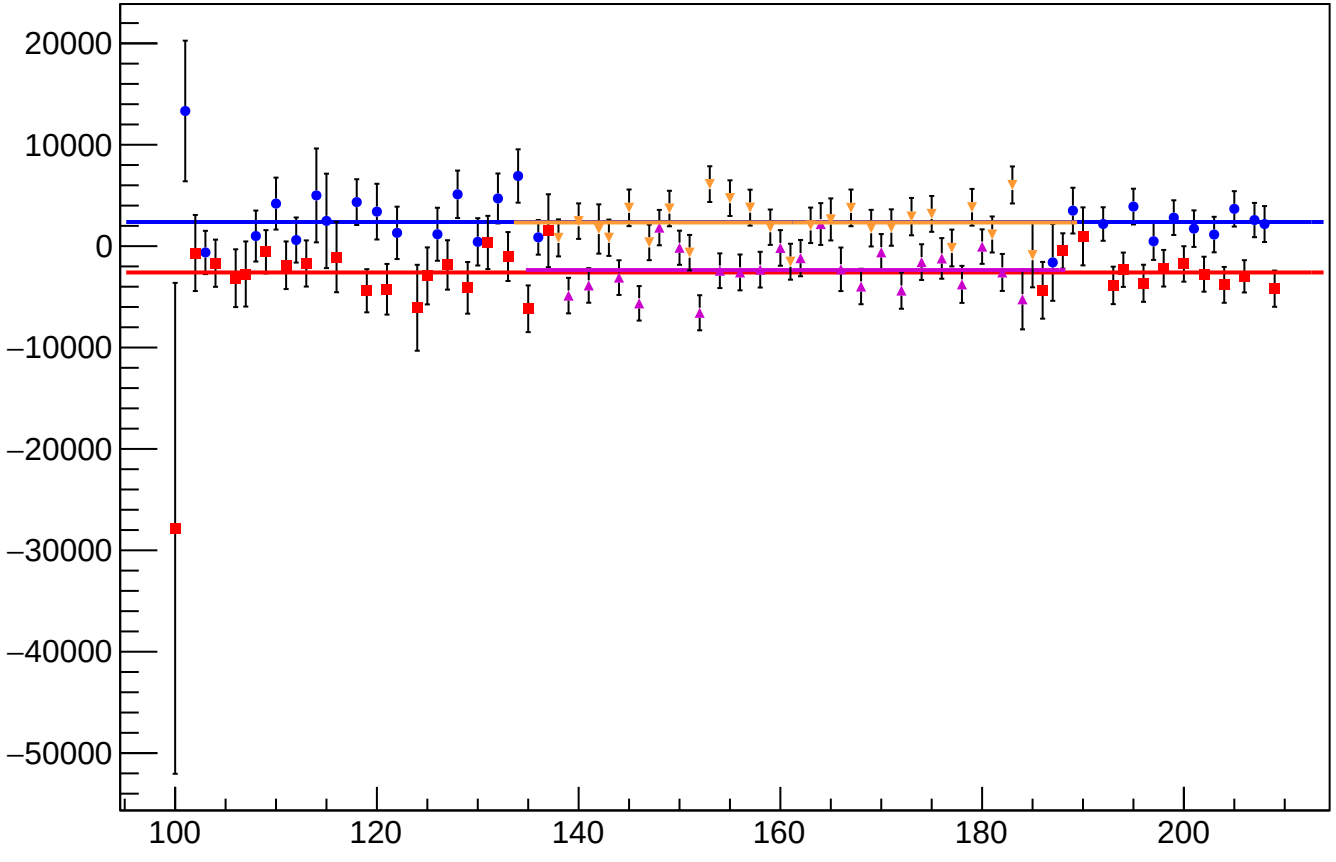
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1015.064+/-0.128 χ^2/NDF: 5923285.3/51

All: 1001.300+/-0.090 χ^2/NDF: 13892090.2/1

- sign 987.918+/-0.126 χ^2/NDF: 7945919.6/53

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.878+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2596.275+/-403.527 χ^2/NDF: 16.5/30

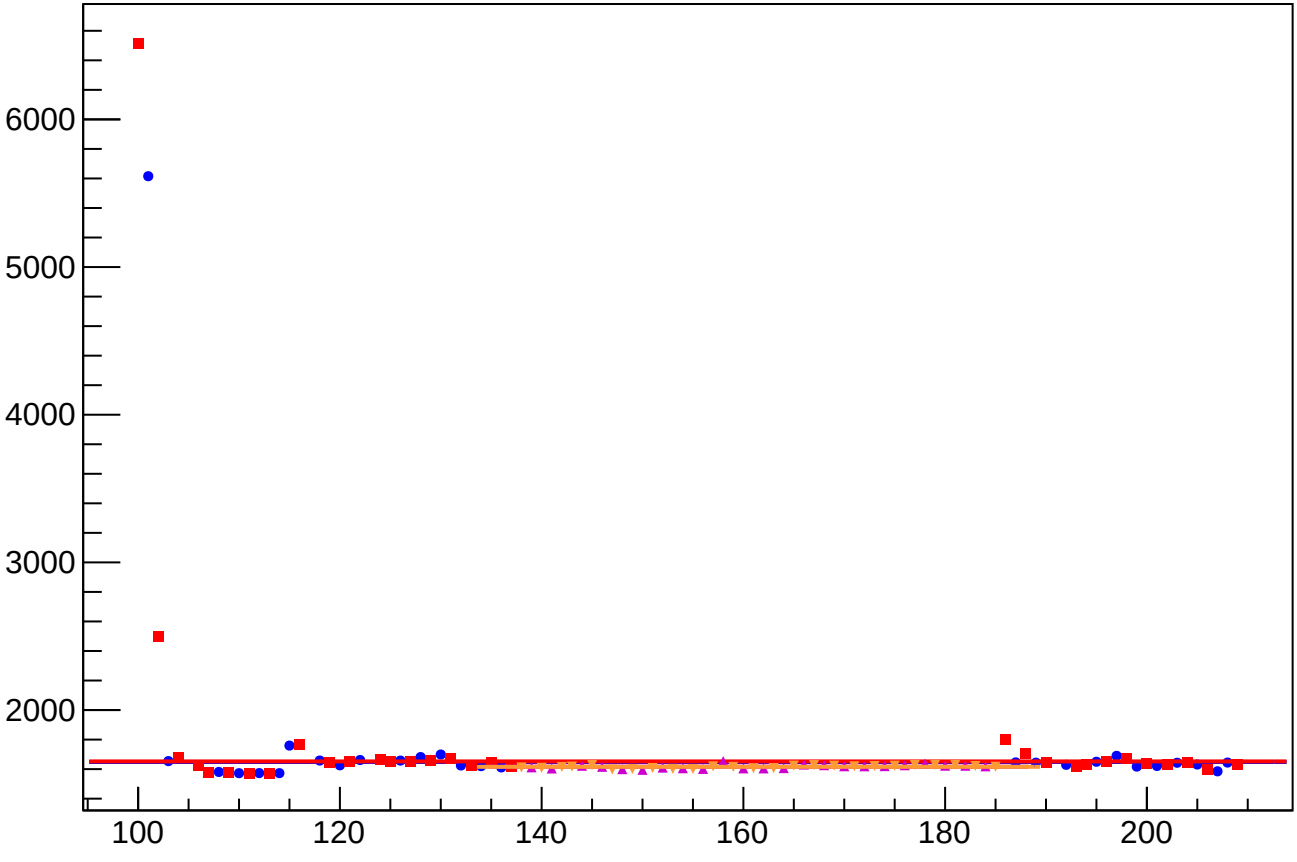
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2355.286+/-275.937 χ^2/NDF: 46.9/51

All: -60.183+/-195.010 χ^2/NDF: 250.7/105

- sign -2470.395+/-275.636 χ^2/NDF: 50.7/53

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

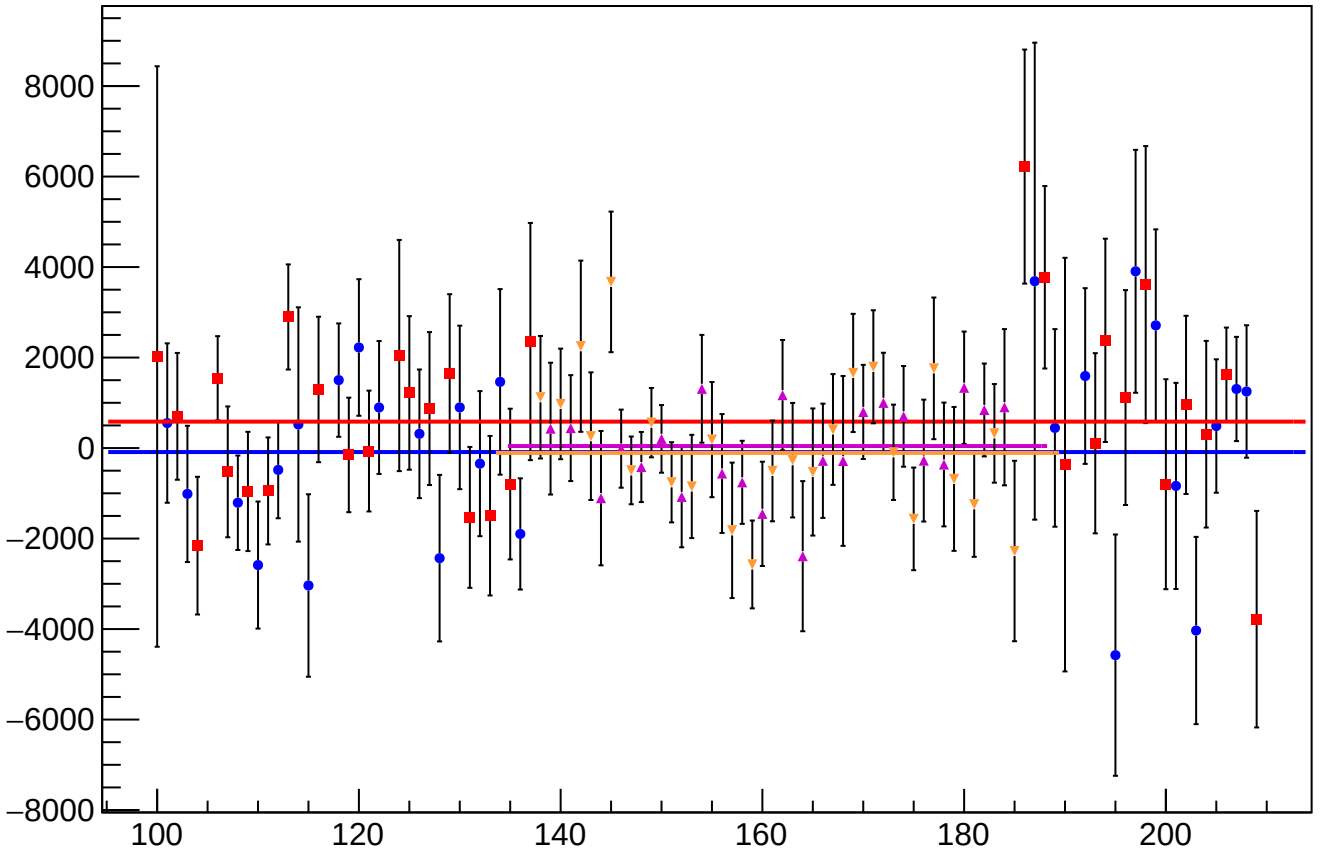
Right Out: 1652.108+/-0.285 χ^2/NDF: 205459.2/30

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.844+/-0.195 χ^2/NDF: 678318.0/51

All: 1631.444+/-0.138 χ^2/NDF: 894841.2/105

- sign 1633.040+/-0.195 χ^2/NDF: 216389.0/53



Right In: -88.430+/-308.520 χ^2/NDF: 30.6/26

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 584.042+/-293.755 χ^2/NDF: 31.8/30

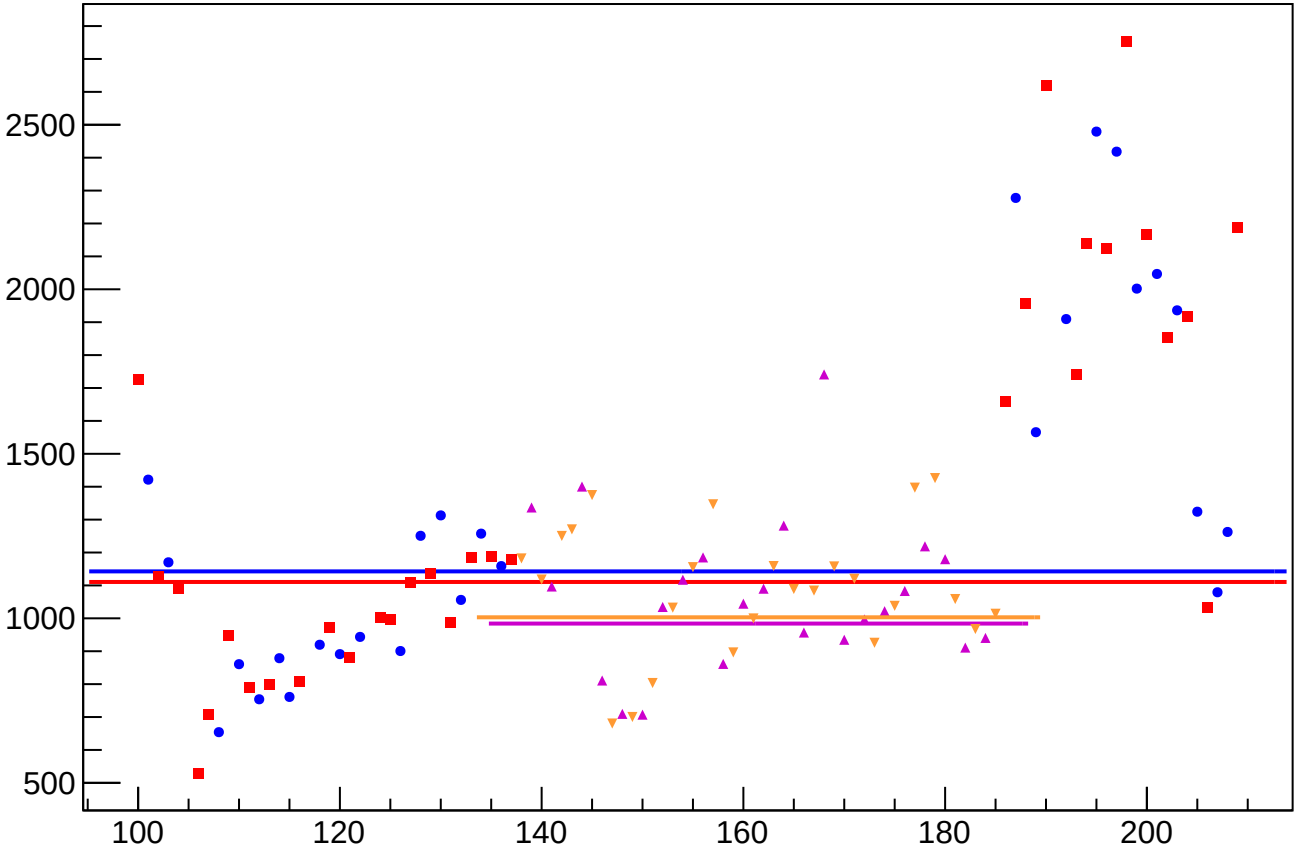
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -99.787+/-186.595 χ^2/NDF: 59.7/51

All: 80.653+/-130.963 χ^2/NDF: 108.1/105

- sign 255.830+/-183.854 χ^2/NDF: 46.6/53

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1142.656+/-0.218 χ^2/NDF: 3598915.8/26

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1110.500+/-0.208 χ^2/NDF: 5111520.1/30

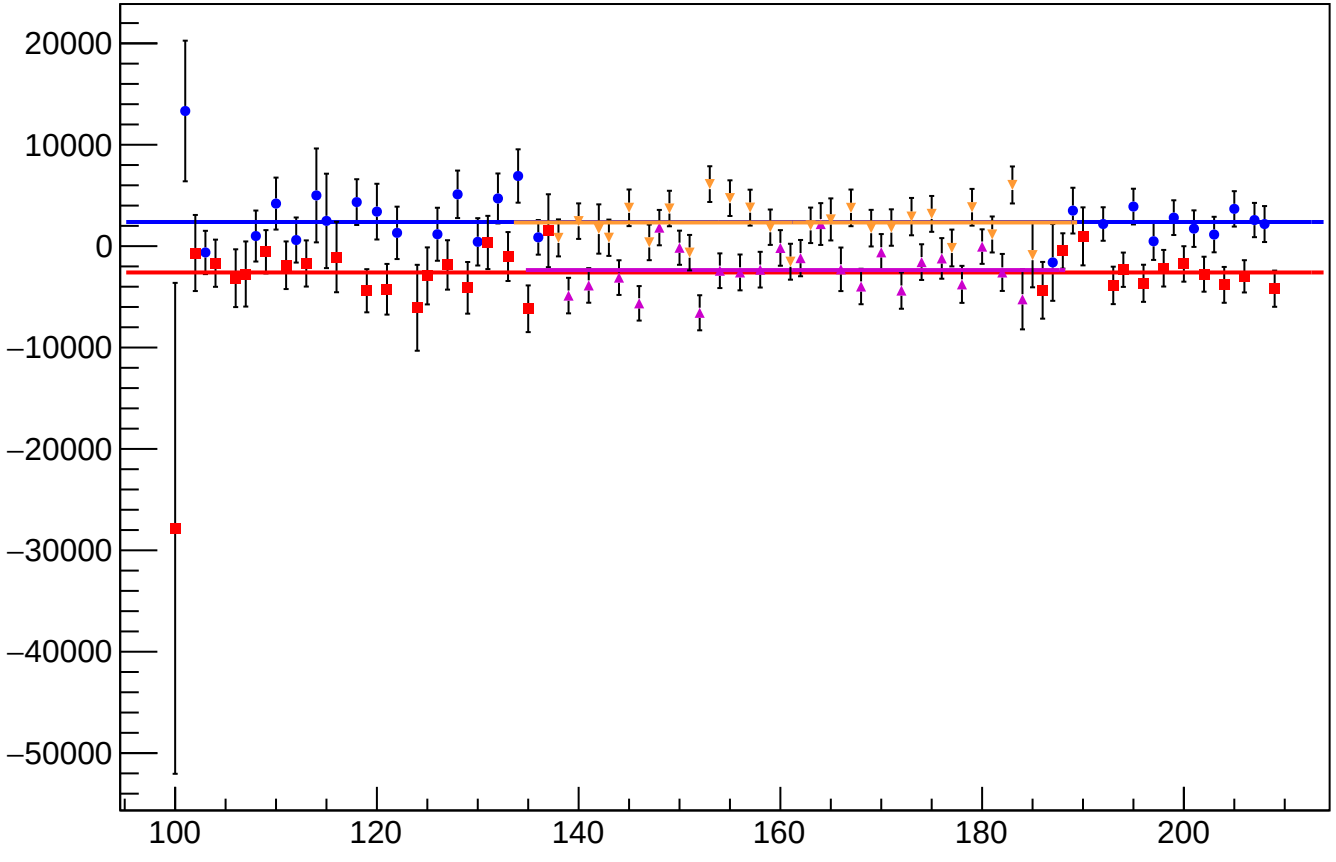
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1054.149+/-0.132 χ^2/NDF: 5456859.7/51

All: 1043.715+/-0.093 χ^2/NDF: 12365678.7/1

- sign 1033.585+/-0.130 χ^2/NDF: 6896494.0/53

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.879+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2596.273+/-403.527 χ^2/NDF: 16.5/30

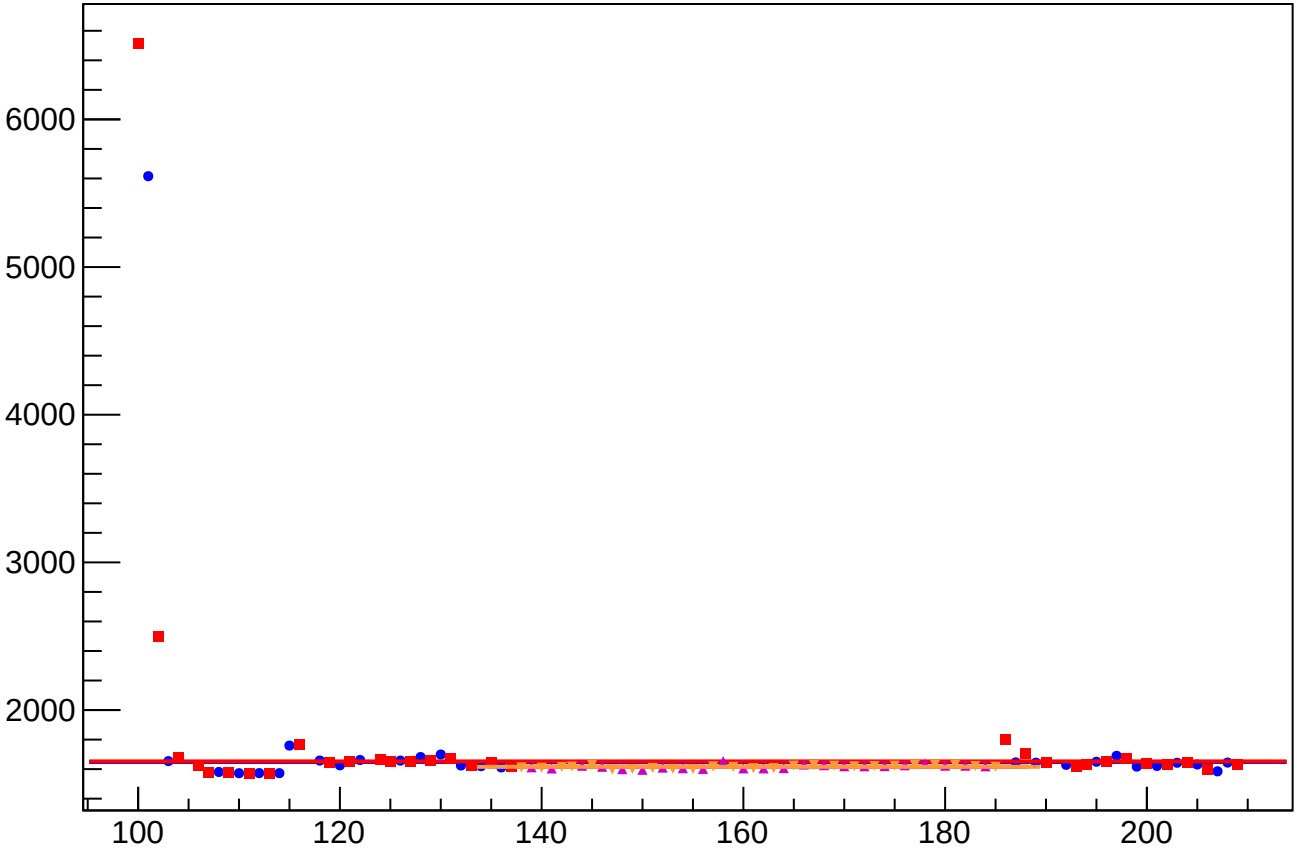
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2355.286+/-275.937 χ^2/NDF: 46.9/51

All: -60.183+/-195.010 χ^2/NDF: 250.7/105

- sign -2470.394+/-275.636 χ^2/NDF: 50.7/53

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

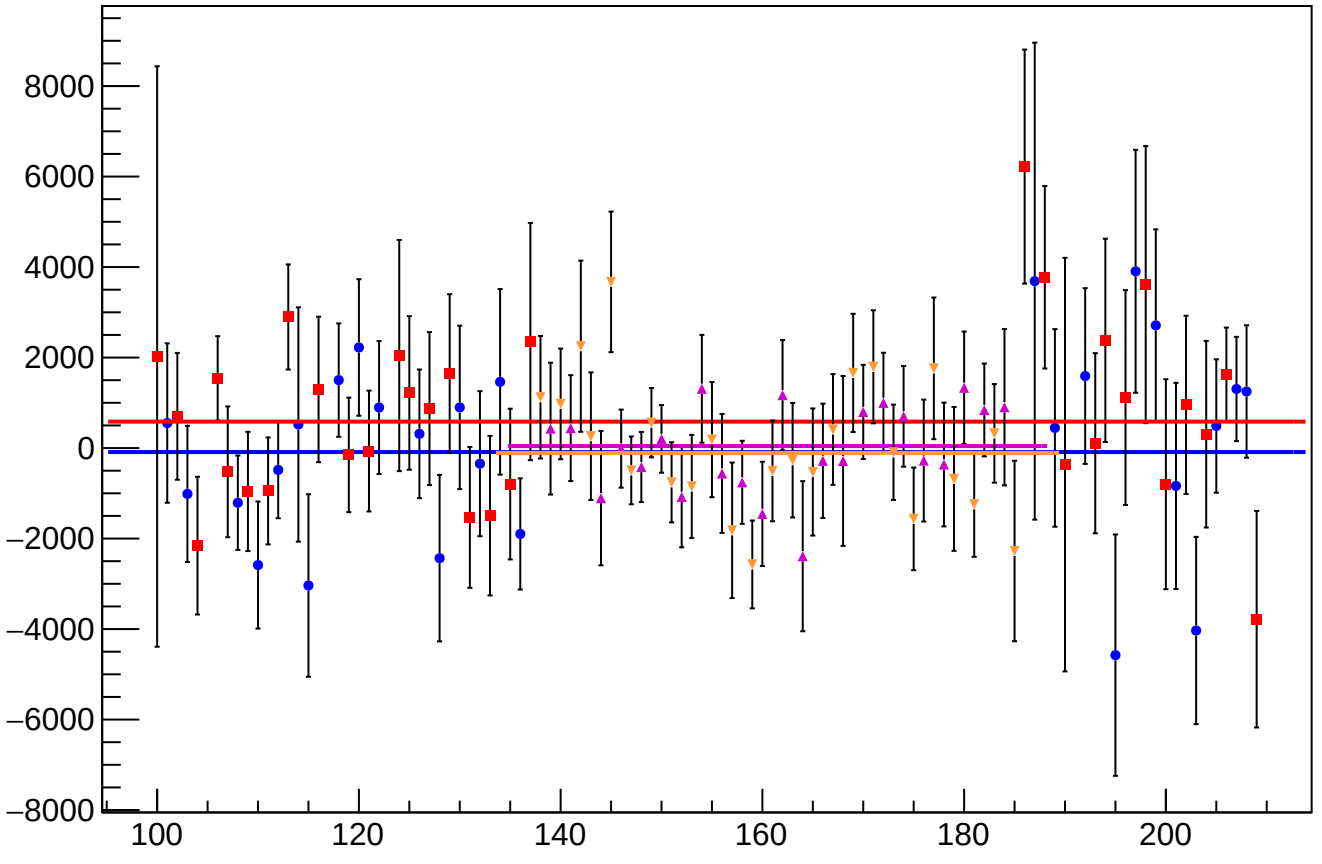
Right Out: 1652.108+/-0.285 χ^2/NDF: 205459.1/30

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.844+/-0.195 χ^2/NDF: 678318.0/51

All: 1631.444+/-0.138 χ^2/NDF: 894841.0/105

- sign 1633.039+/-0.195 χ^2/NDF: 216388.8/53



Right In: -88.430+/-308.519 χ^2/NDF: 30.6/26

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

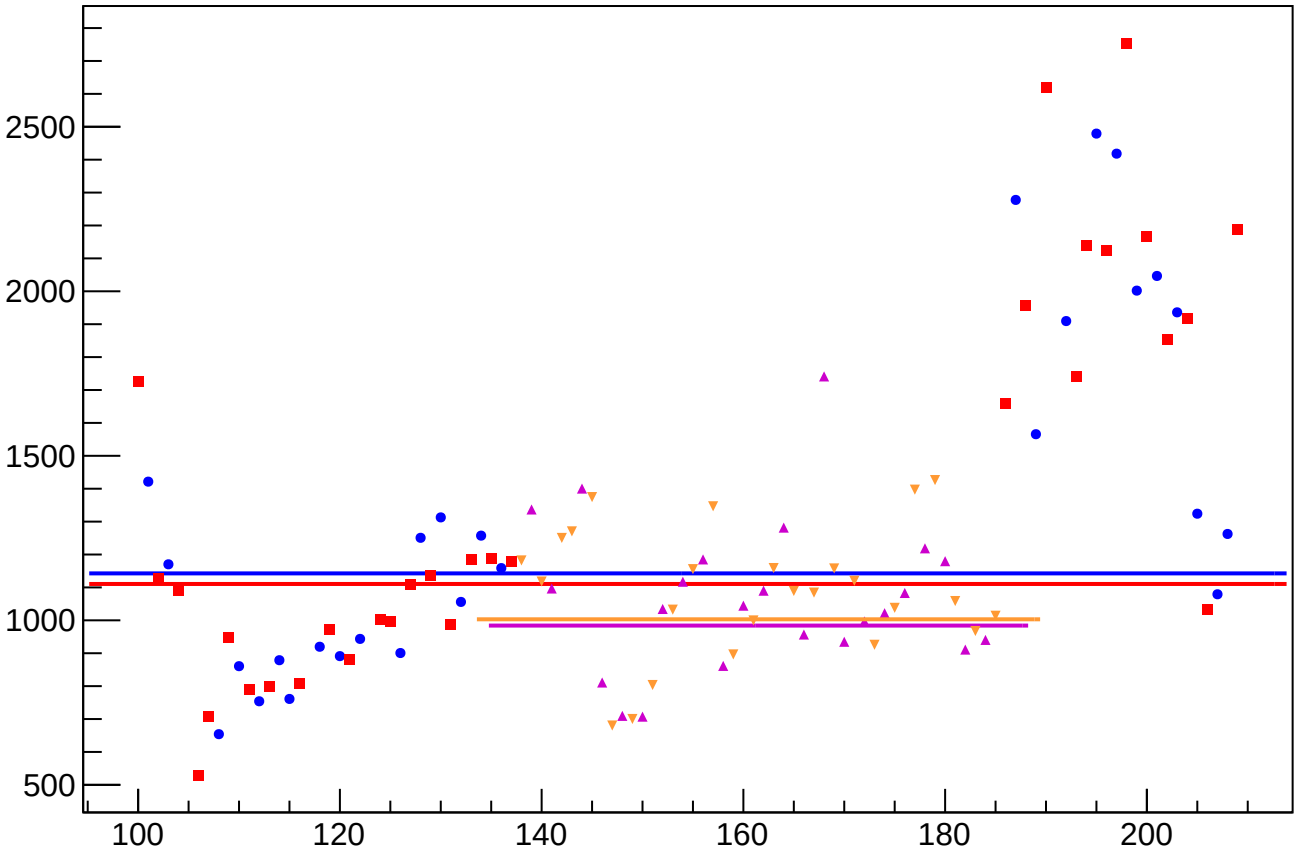
Right Out: 584.040+/-293.754 χ^2/NDF: 31.8/30

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -99.789+/-186.595 χ^2/NDF: 59.7/51

All: 80.652+/-130.963 χ^2/NDF: 108.1/105

- sign 255.830+/-183.854 χ^2/NDF: 46.6/53



Right In: 1142.653+/-0.218 χ^2/NDF: 3598958.4/26

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1110.497+/-0.208 χ^2/NDF: 5111551.2/30

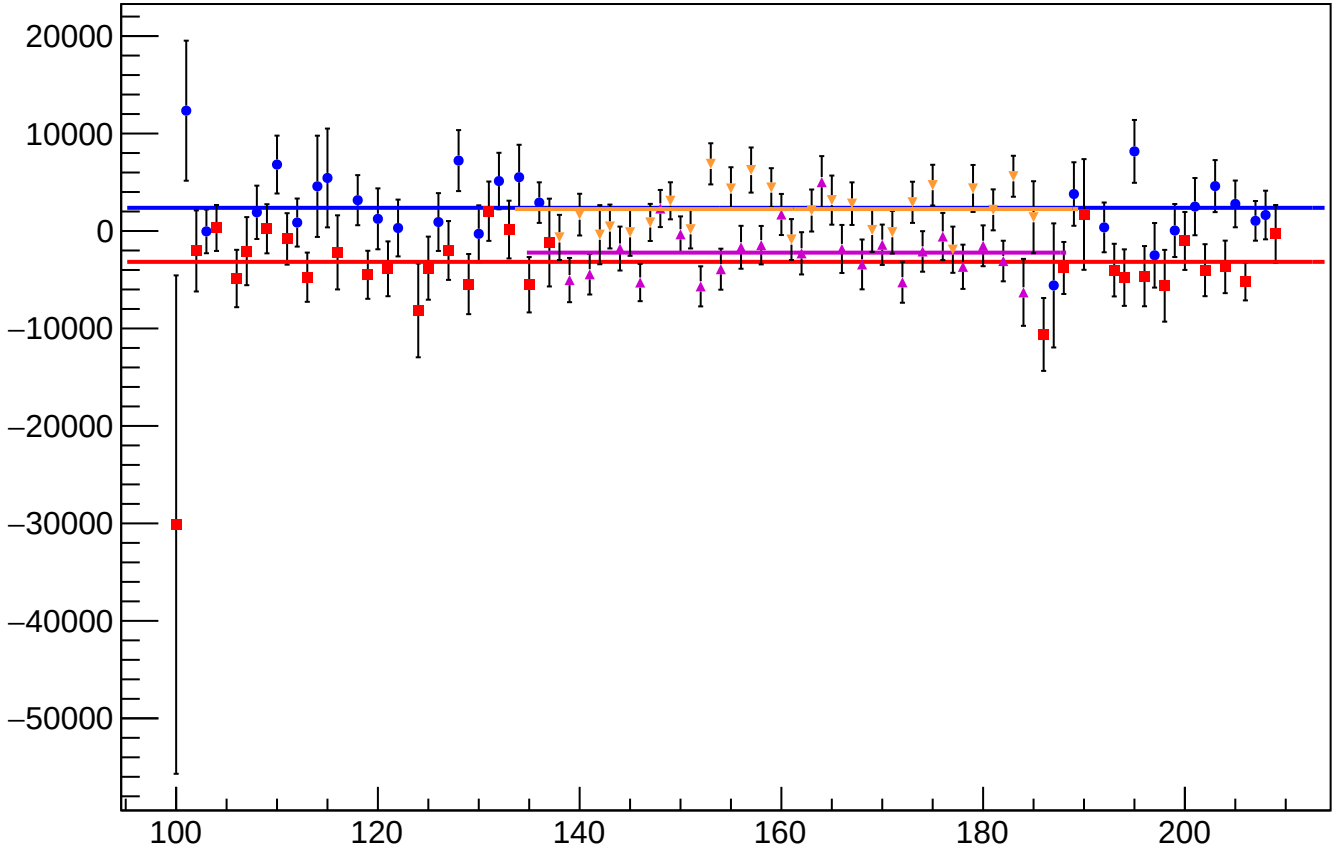
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1054.149+/-0.132 χ^2/NDF: 5456885.2/51

All: 1043.715+/-0.093 χ^2/NDF: 12365721.4/1

- sign 1033.585+/-0.130 χ^2/NDF: 6896511.1/53

asym_usr_atr1_avg_mean vs Slug



Right In: 2377.851+/-552.377 χ^2/NDF: 22.1/26

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3165.659+/-538.010 χ^2/NDF: 22.6/30

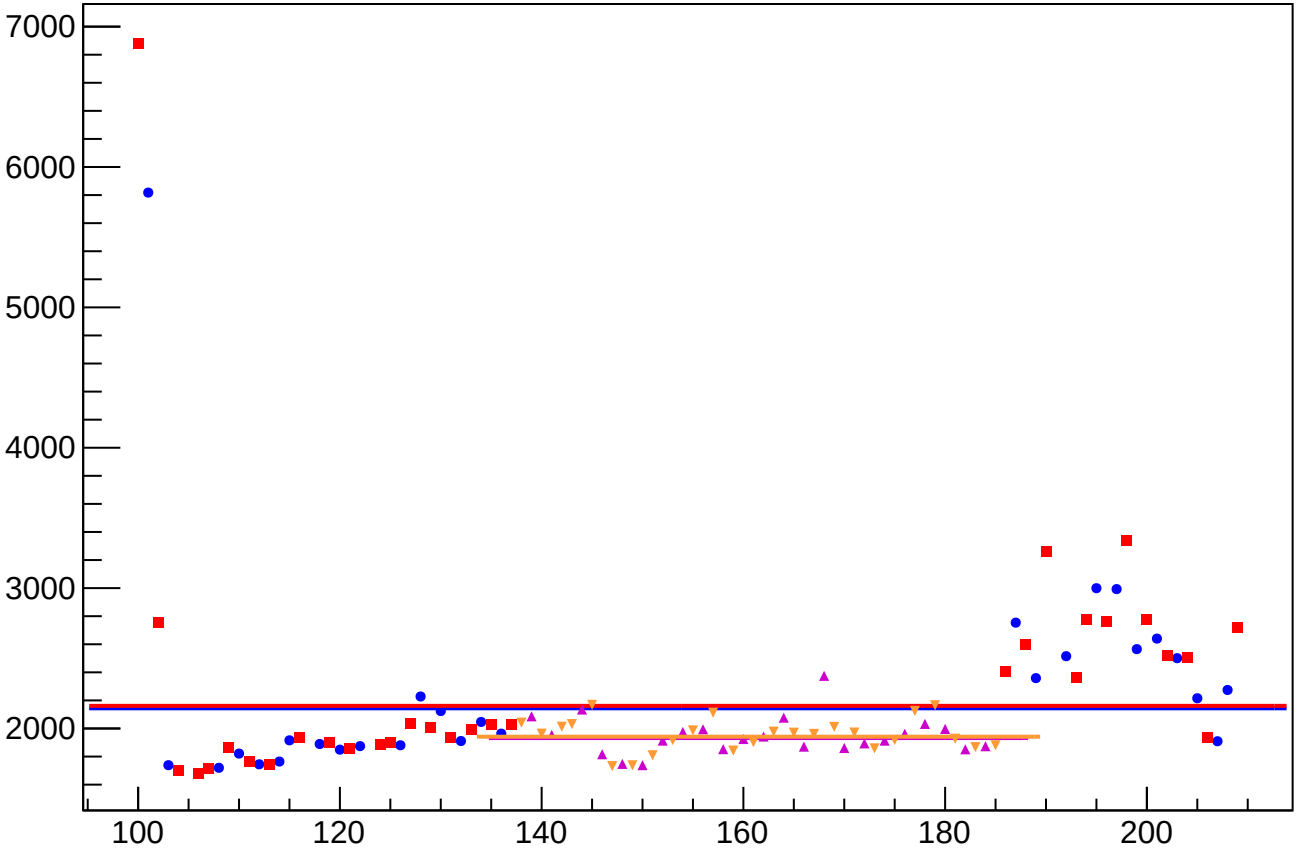
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2301.386+/-345.215 χ^2/NDF: 50.4/51

All: -147.890+/-244.453 χ^2/NDF: 207.3/105

- sign -2611.227+/-346.205 χ^2/NDF: 55.9/53

asym_usr_atr1_avg_rms vs Slug



Right In: 2143.823+/-0.391 χ^2/NDF: 1344895.9/26

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2161.267+/-0.380 χ^2/NDF: 1278681.0/30

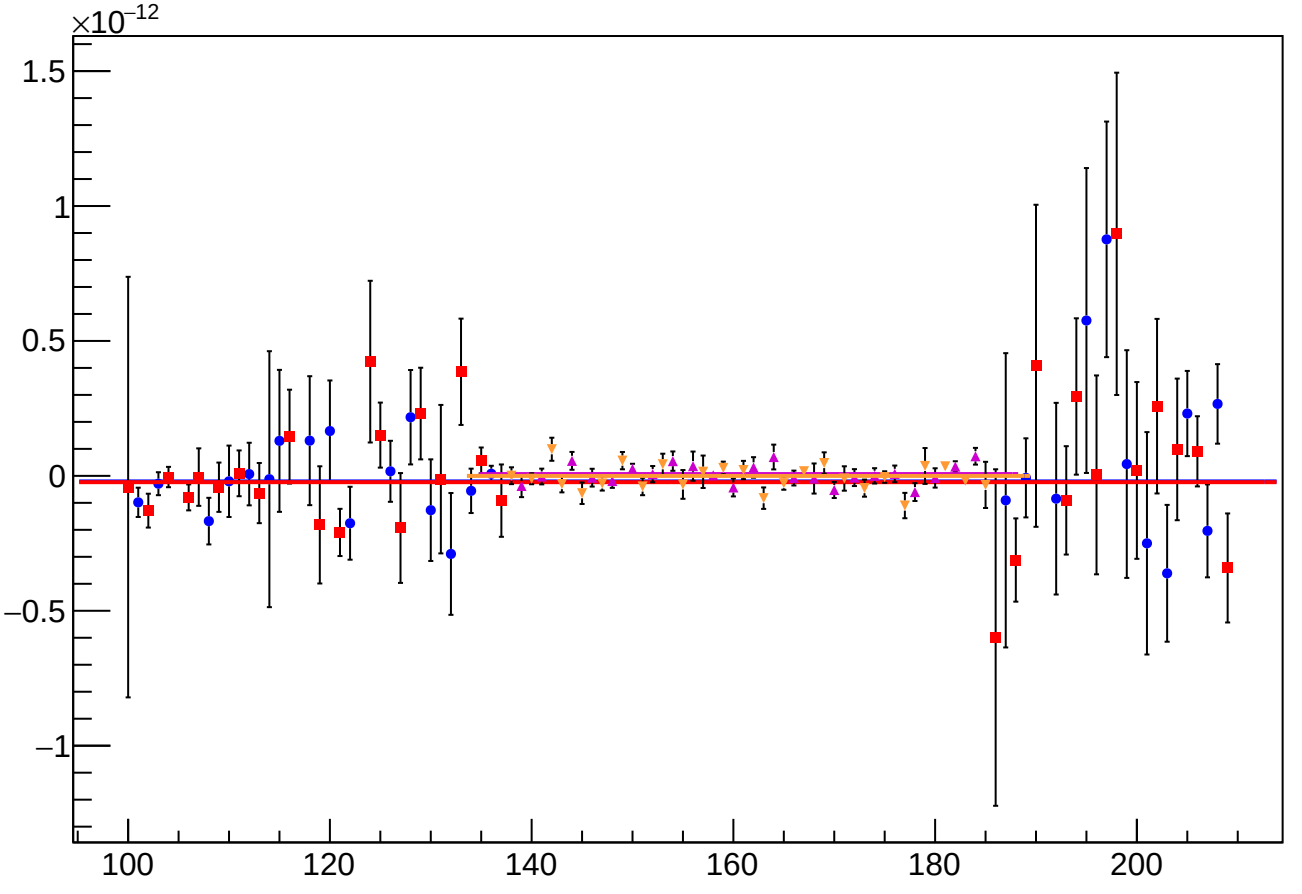
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2020.574+/-0.244 χ^2/NDF: 1647292.2/51

All: 2023.690+/-0.173 χ^2/NDF: 3299325.3/10

- sign 2026.825+/-0.245 χ^2/NDF: 1651706.2/53

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

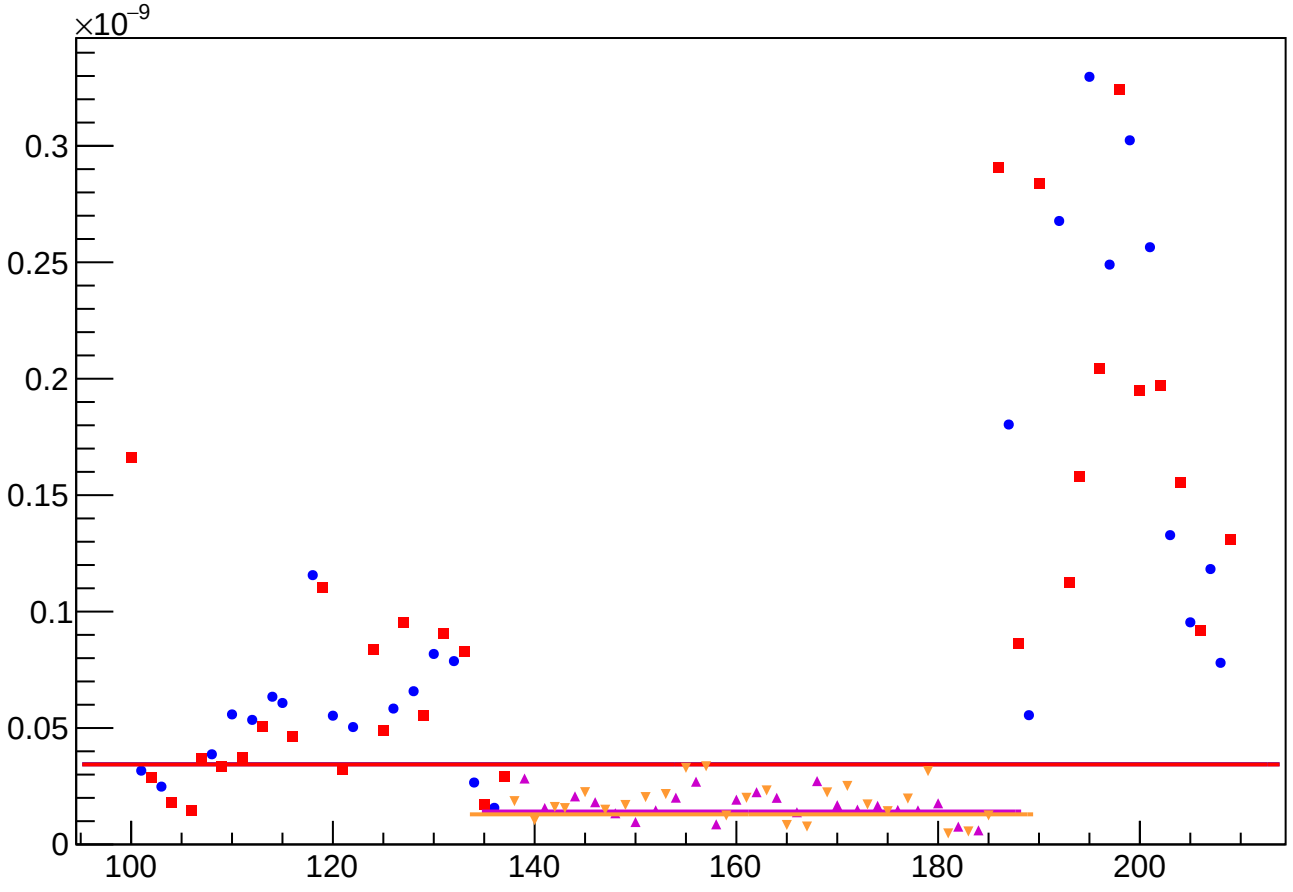
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/30

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.3/51

All: 0.000+/-0.000 χ^2/NDF: 137.9/105

- sign 0.000+/-0.000 χ^2/NDF: 68.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 6414213.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6582138.5/30

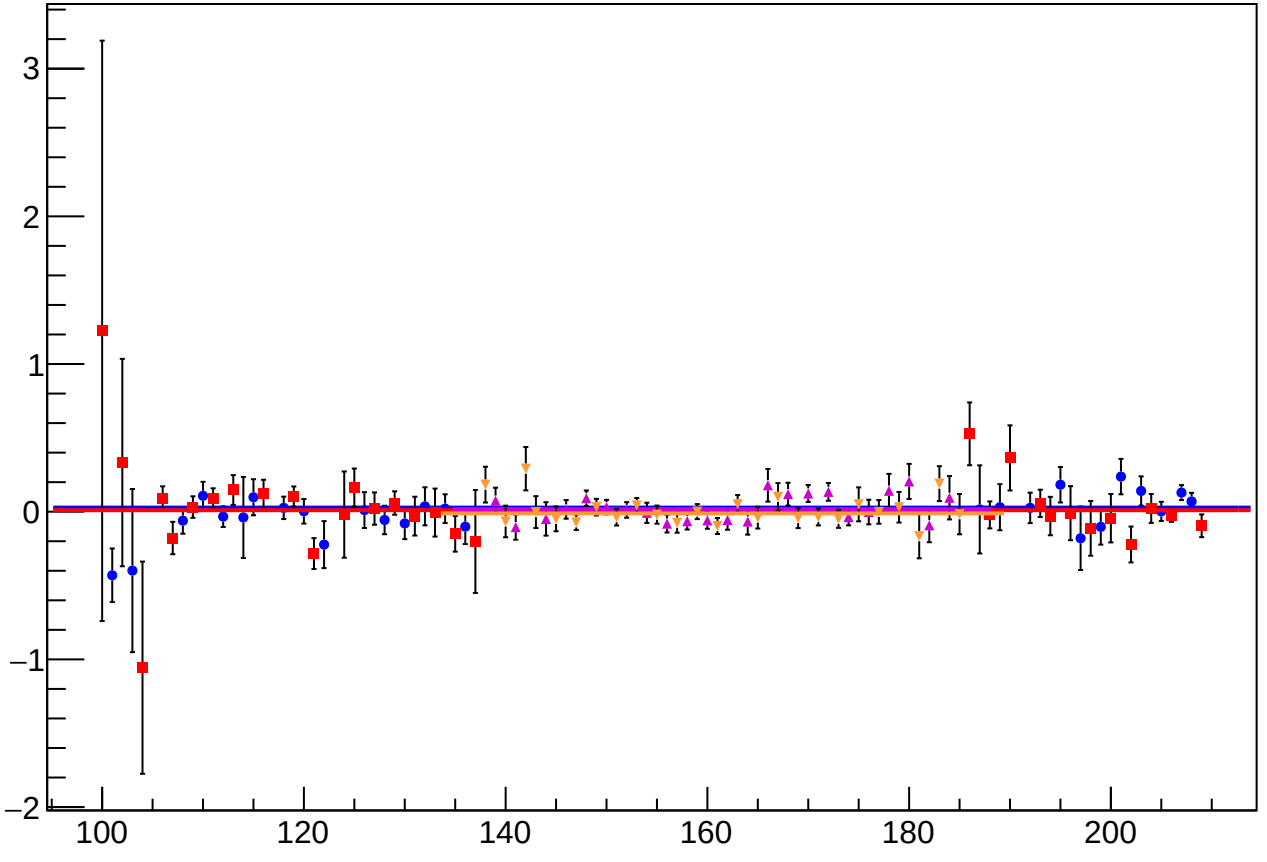
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11722479.1/51

All: 0.000+/-0.000 χ^2/NDF: 22006220.1/105

- sign 0.000+/-0.000 χ^2/NDF: 10229217.0/53

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.010+/-0.018 χ^2/NDF: 40.9/30

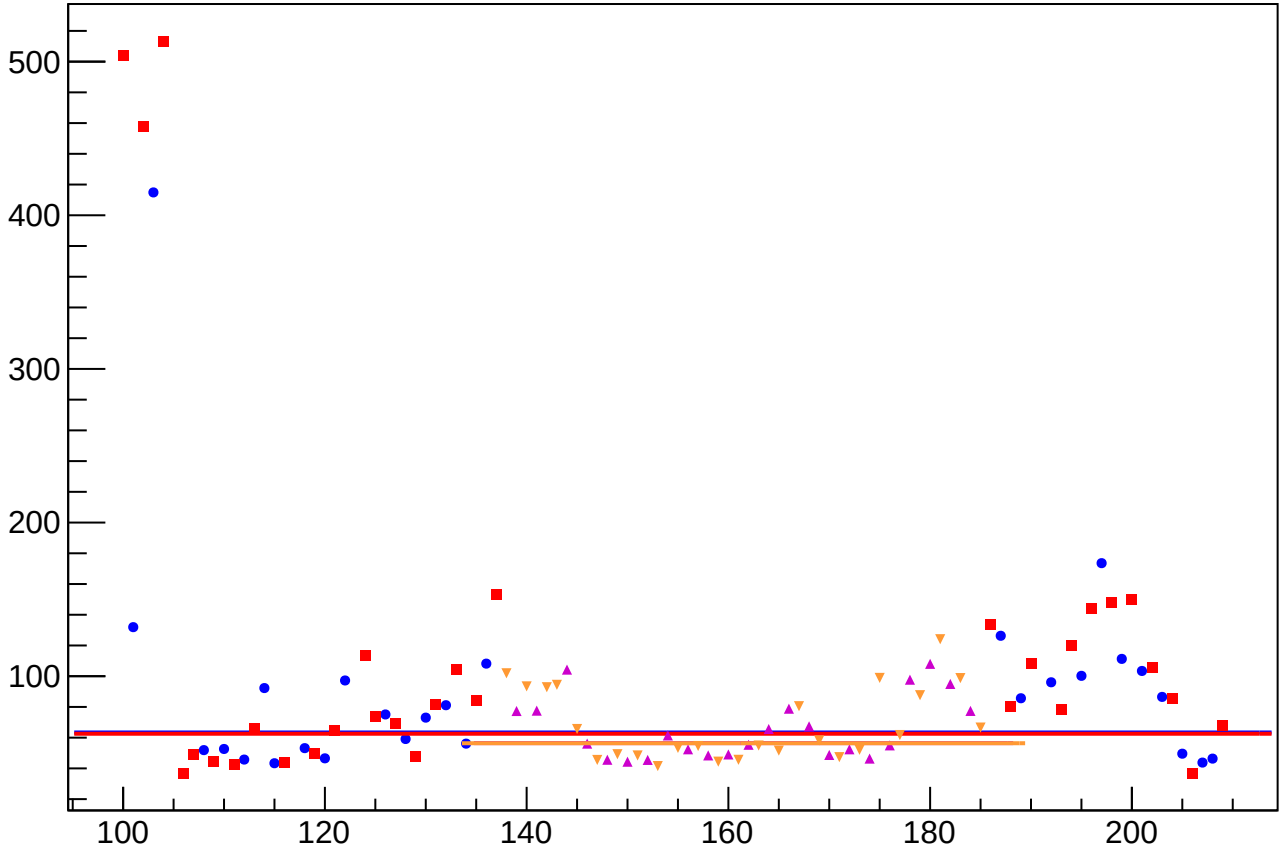
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.009+/-0.008 χ^2/NDF: 125.0/105

- sign 0.015+/-0.011 χ^2/NDF: 71.7/53

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

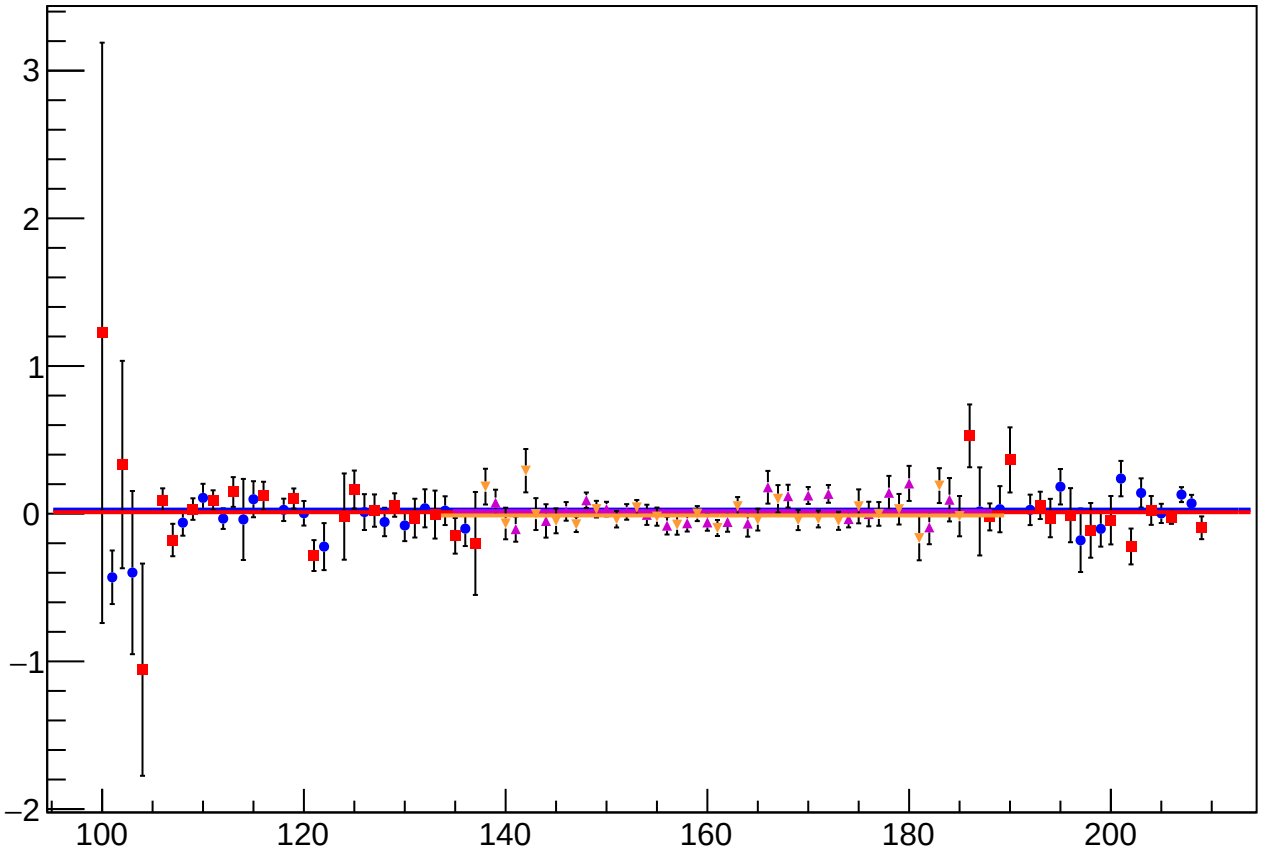
Right Out: 62.557+/-0.013 χ^2/NDF: 6019627.7/30

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

\+ sign 58.937+/-0.008 χ^2/NDF: 7172005.8/51

All: 58.864+/-0.006 χ^2/NDF: 15466736.1/105

\- sign 58.791+/-0.008 χ^2/NDF: 8294564.0/53



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.010+/-0.018 χ^2/NDF: 40.9/30

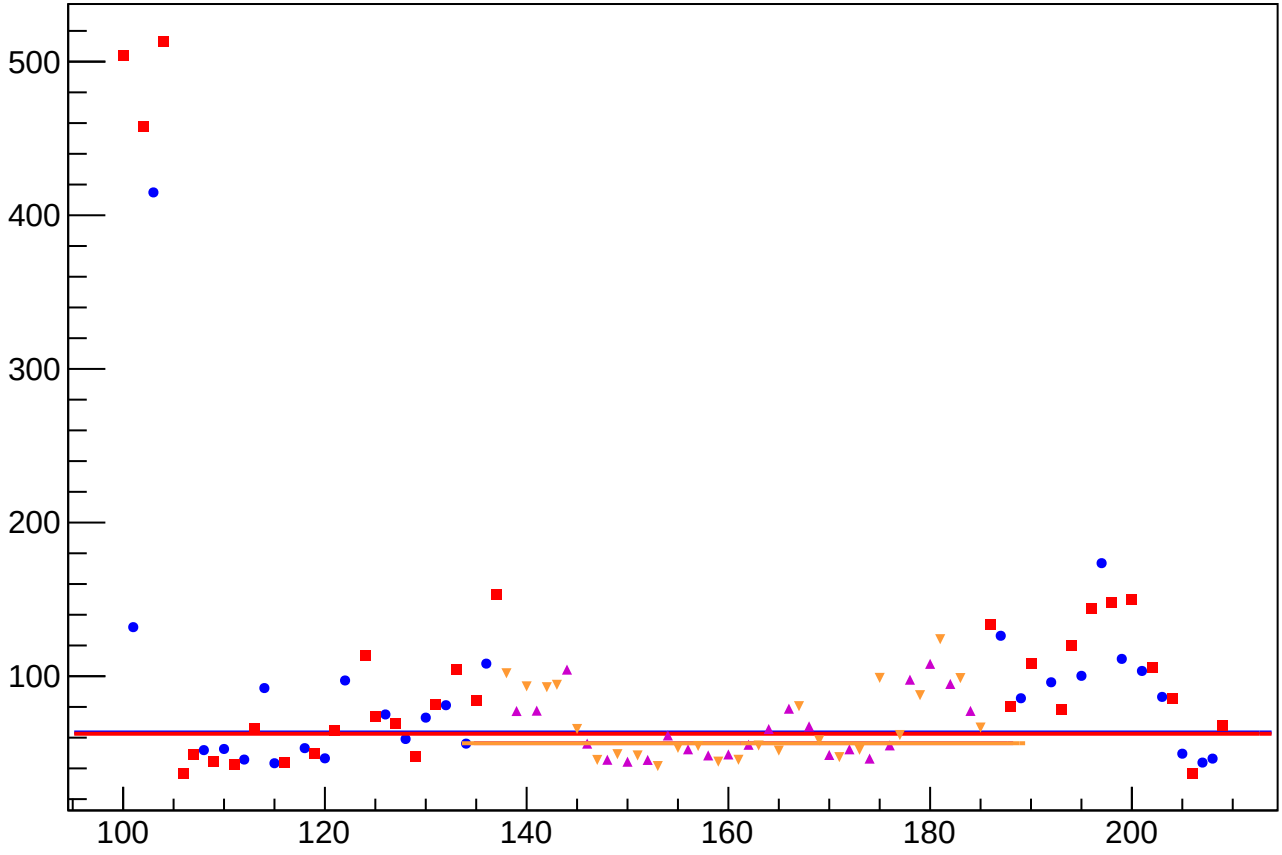
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.009+/-0.008 χ^2/NDF: 125.0/105

- sign 0.015+/-0.011 χ^2/NDF: 71.7/53

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

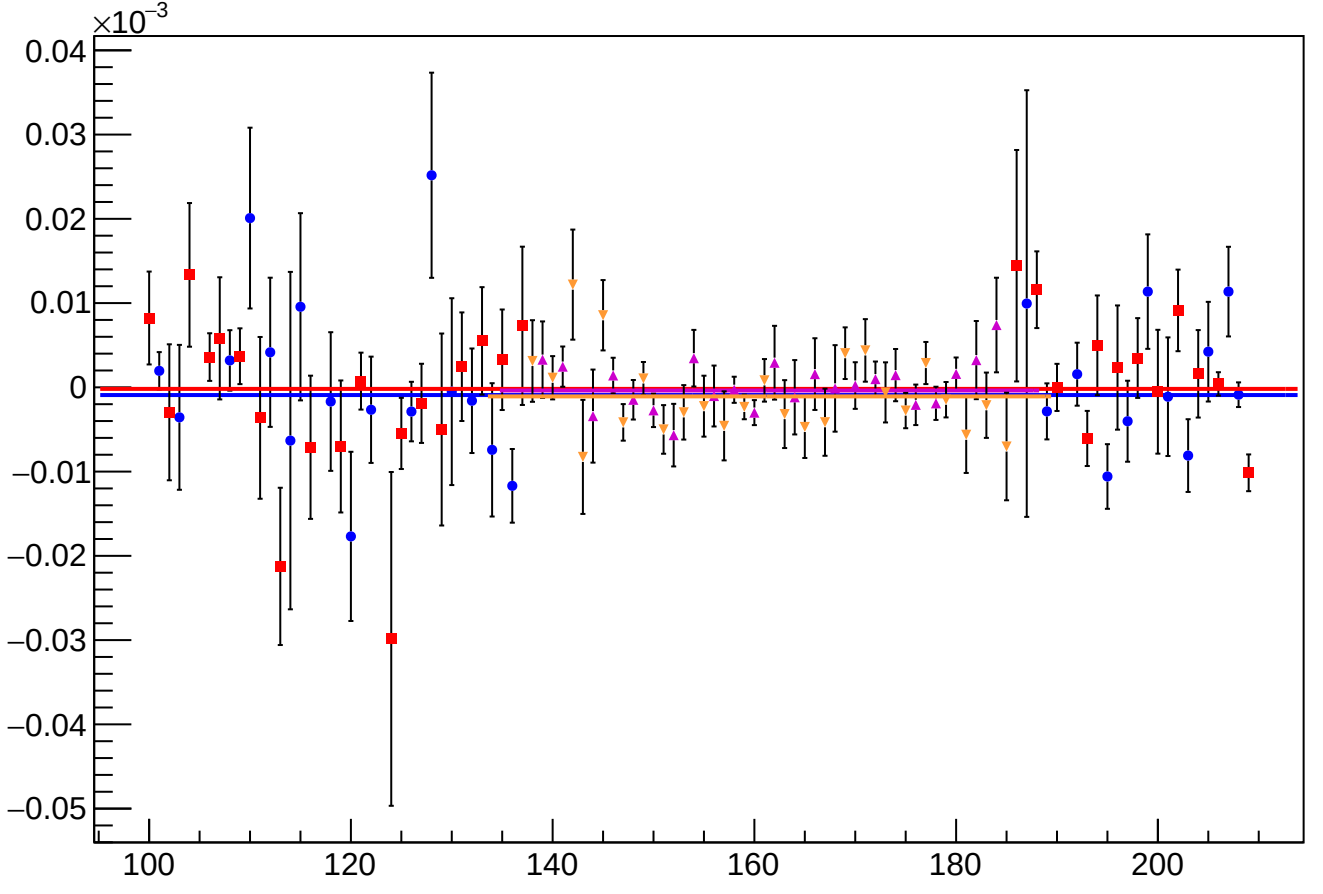
Right Out: 62.557+/-0.013 χ^2/NDF: 6019627.7/30

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 58.937+/-0.008 χ^2/NDF: 7172005.8/51

All: 58.864+/-0.006 χ^2/NDF: 15466736.1/105

- sign 58.791+/-0.008 χ^2/NDF: 8294564.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

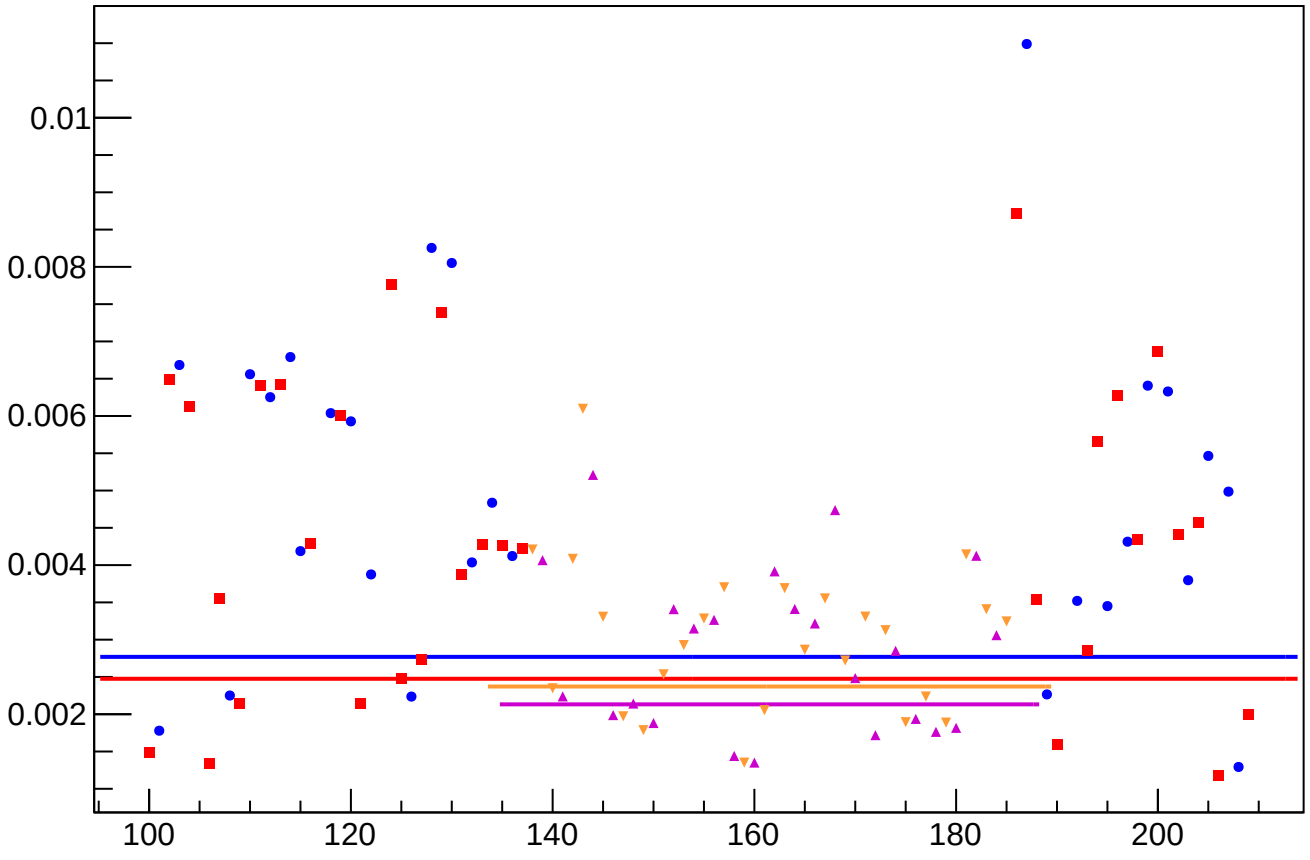
Right Out: -0.000+/-0.000 χ^2/NDF: 59.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.2/51

All: -0.000+/-0.000 χ^2/NDF: 151.9/105

- sign -0.000+/-0.000 χ^2/NDF: 76.5/53



Right In: 0.003+/-0.000 χ^2/NDF: 8016714.5/26

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

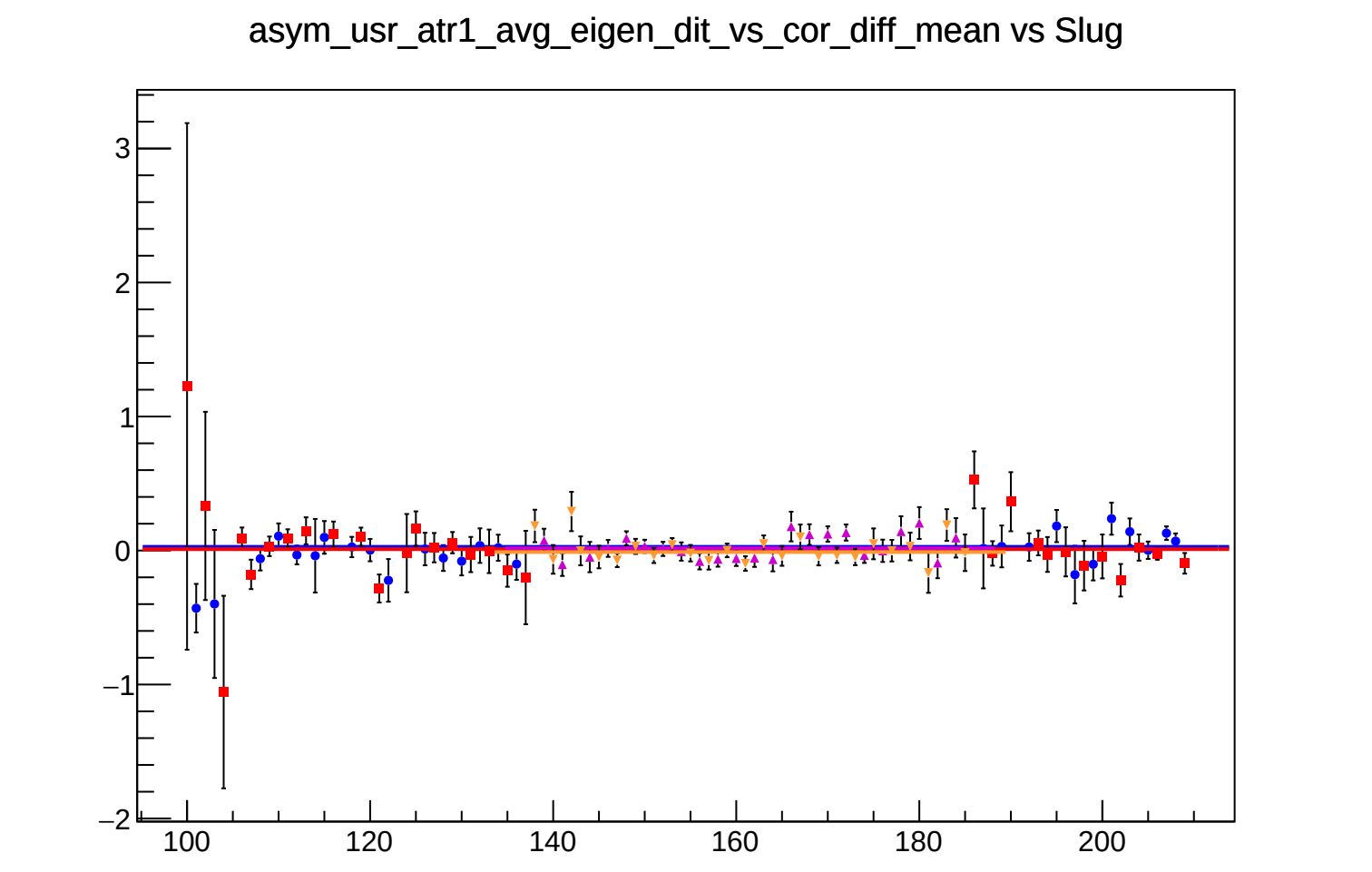
Right Out: 0.002+/-0.000 χ^2/NDF: 8926669.8/30

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 12487740.6/51

All: 0.002+/-0.000 χ^2/NDF: 26523847.9/105

- sign 0.002+/-0.000 χ^2/NDF: 13729638.8/53



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.010+/-0.018 χ^2/NDF: 40.9/30

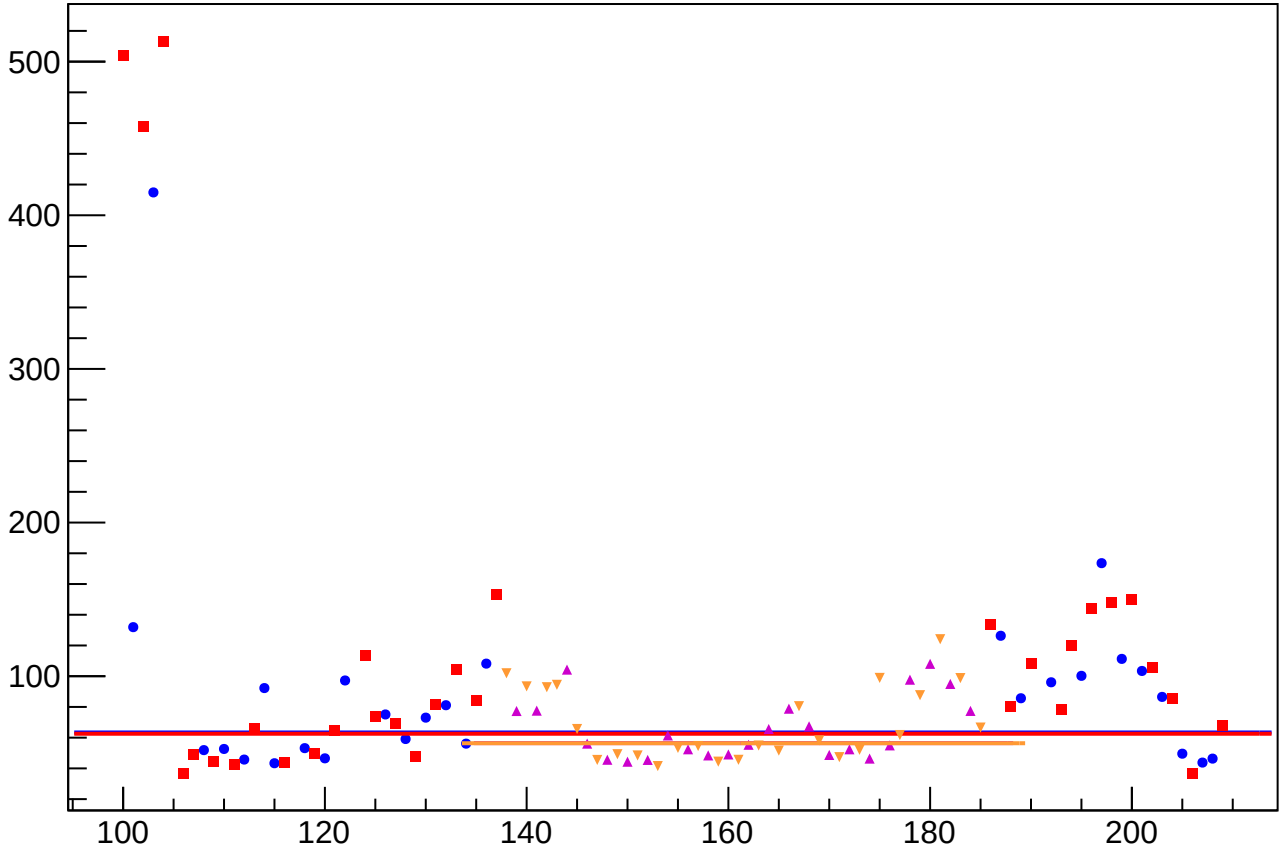
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.009+/-0.008 χ^2/NDF: 125.0/105

- sign 0.015+/-0.011 χ^2/NDF: 71.7/53

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

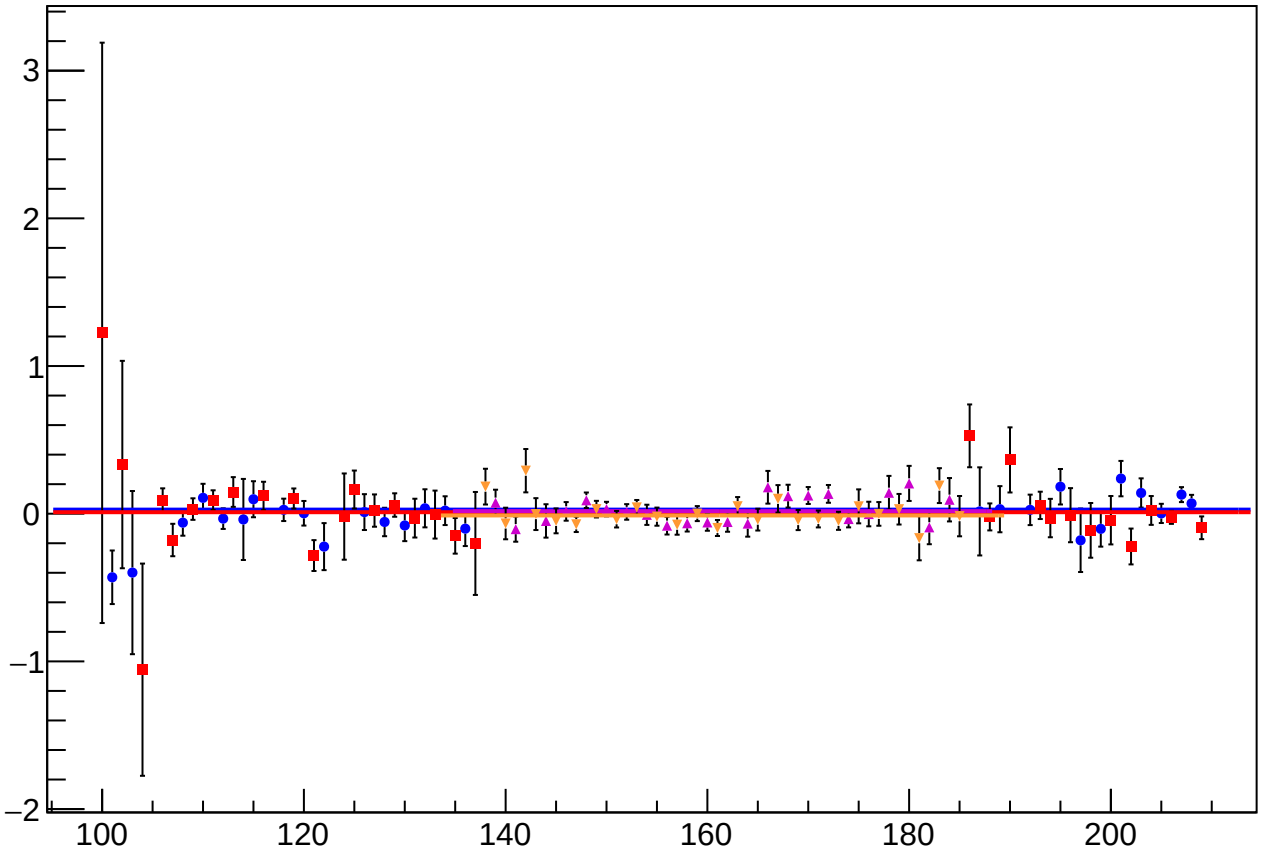
Right Out: 62.556+/-0.013 χ^2/NDF: 6019661.6/30

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 58.938+/-0.008 χ^2/NDF: 7172001.6/51

All: 58.864+/-0.006 χ^2/NDF: 15466720.9/105

- sign 58.790+/-0.008 χ^2/NDF: 8294552.7/53



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

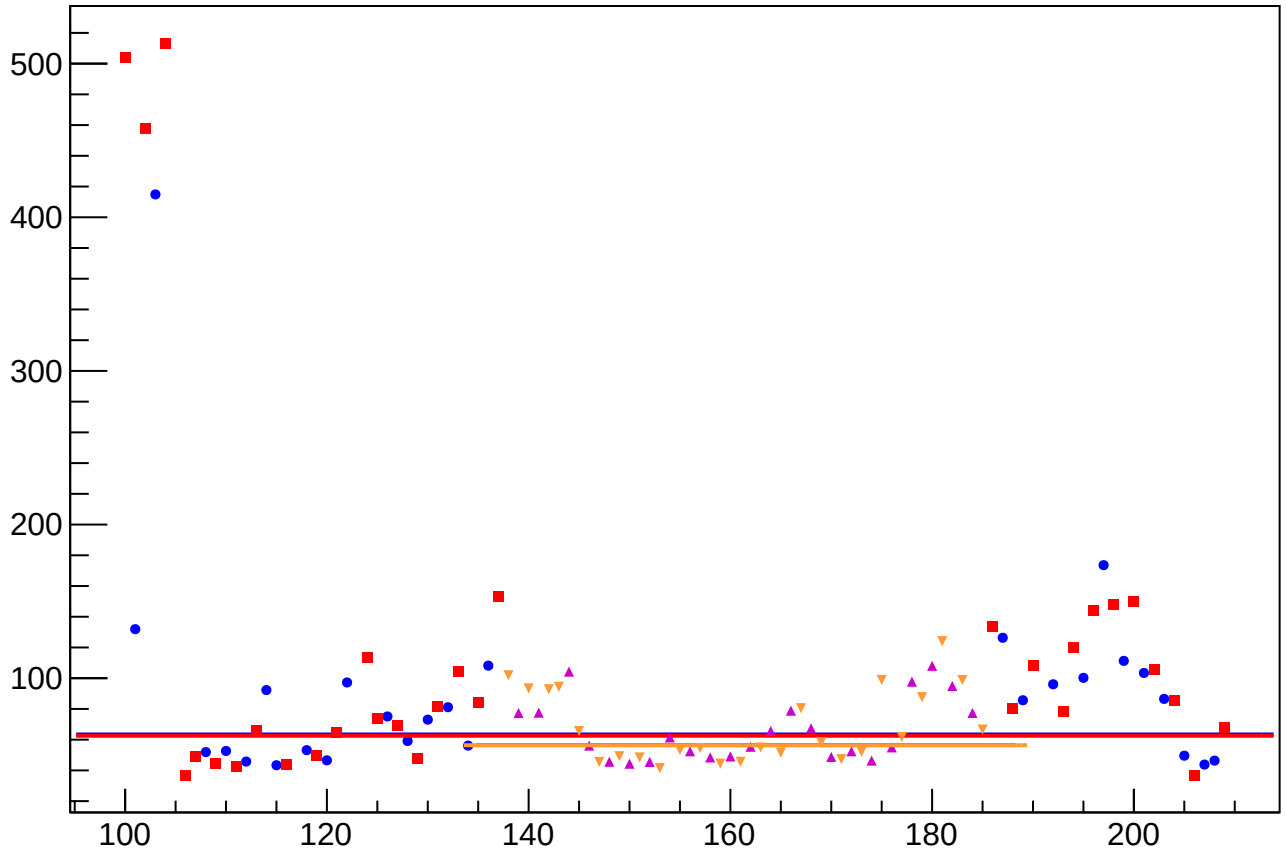
Right Out: 0.010+/-0.018 χ^2/NDF: 40.9/30

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.003+/-0.011 χ^2/NDF: 52.8/51

All: 0.009+/-0.008 χ^2/NDF: 125.0/105

- sign 0.015+/-0.011 χ^2/NDF: 71.7/53



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

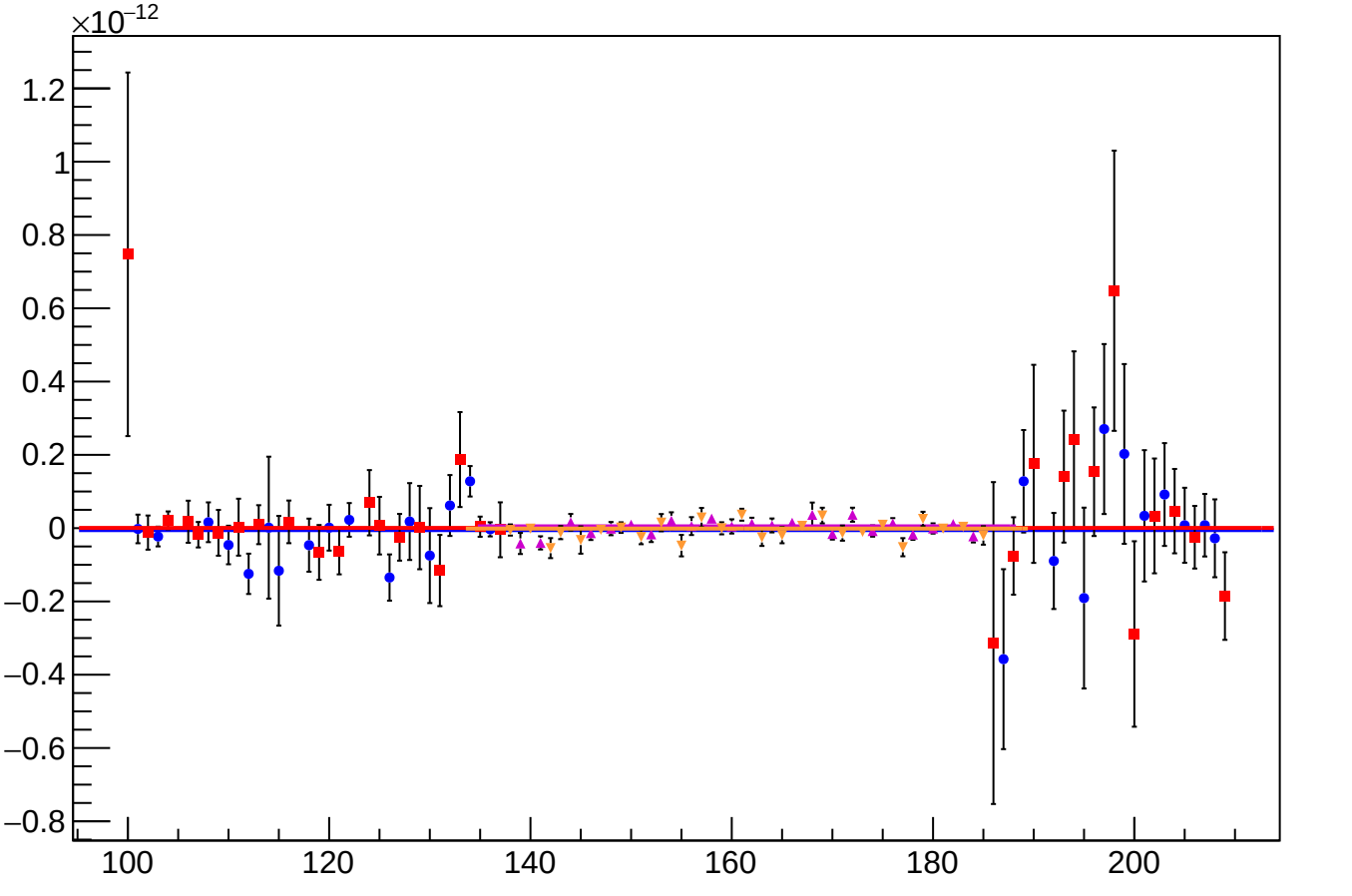
Right Out: 62.556+/-0.013 χ^2/NDF: 6019661.6/30

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

\+ sign 58.938+/-0.008 χ^2/NDF: 7172001.6/51

All: 58.864+/-0.006 χ^2/NDF: 15466720.9/105

\- sign 58.790+/-0.008 χ^2/NDF: 8294552.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

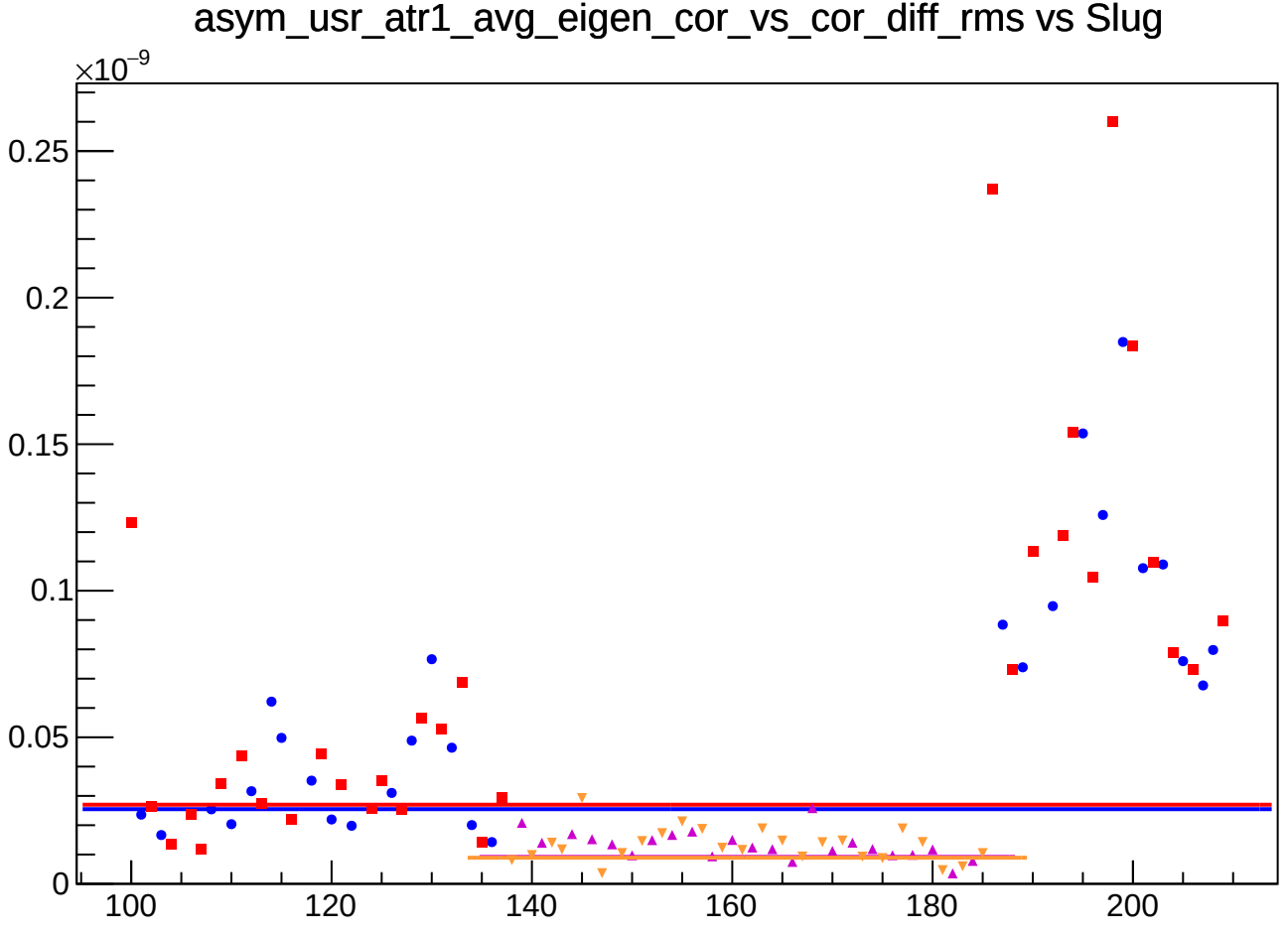
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/30

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/51

All: 0.000+/-0.000 χ^2/NDF: 110.3/105

- sign 0.000+/-0.000 χ^2/NDF: 49.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 7039487.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8400265.1/30

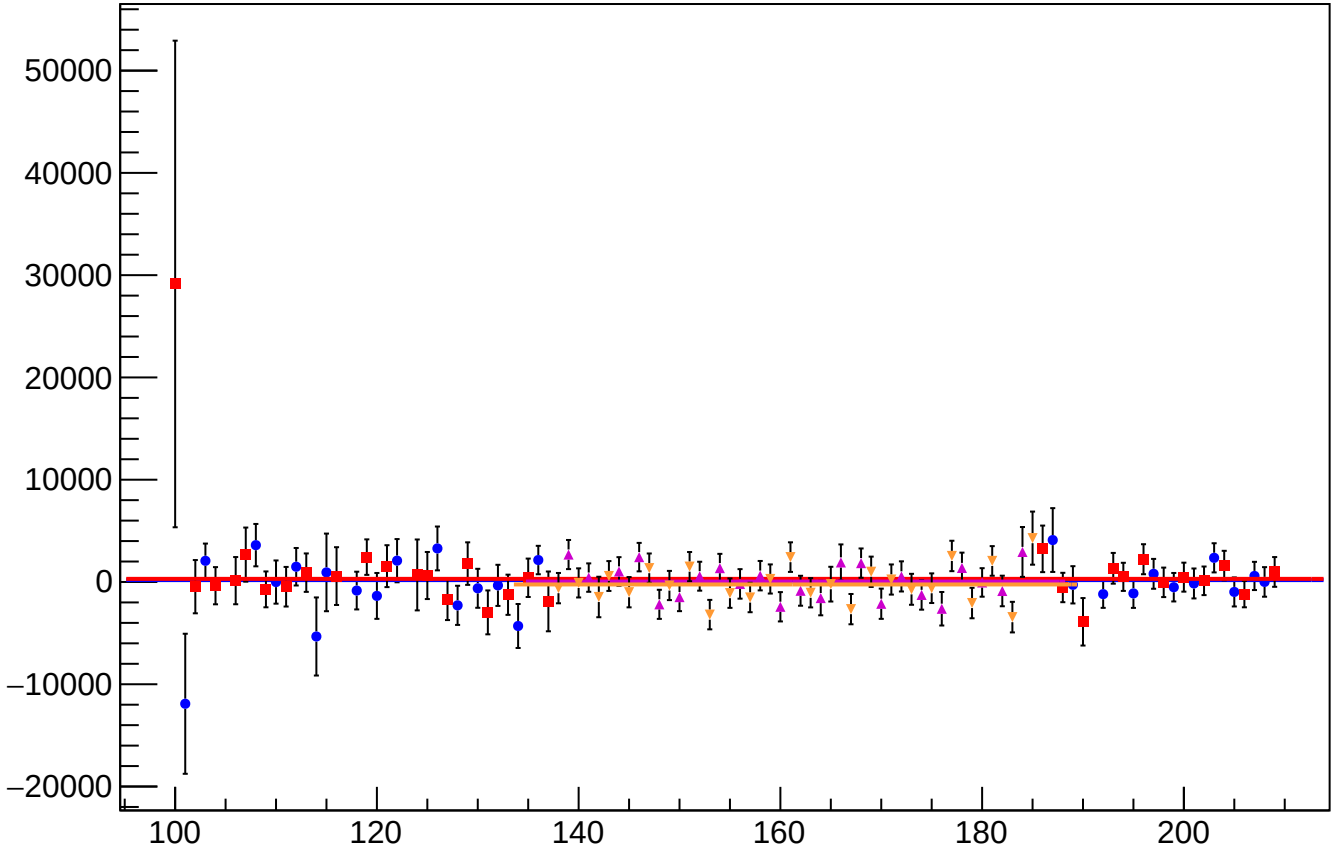
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16406881.5/51

All: 0.000+/-0.000 χ^2/NDF: 34407197.8/105

- sign 0.000+/-0.000 χ^2/NDF: 17989076.5/53

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 183.362+/-340.431 χ^2/NDF: 28.8/26

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 304.696+/-327.448 χ^2/NDF: 20.0/30

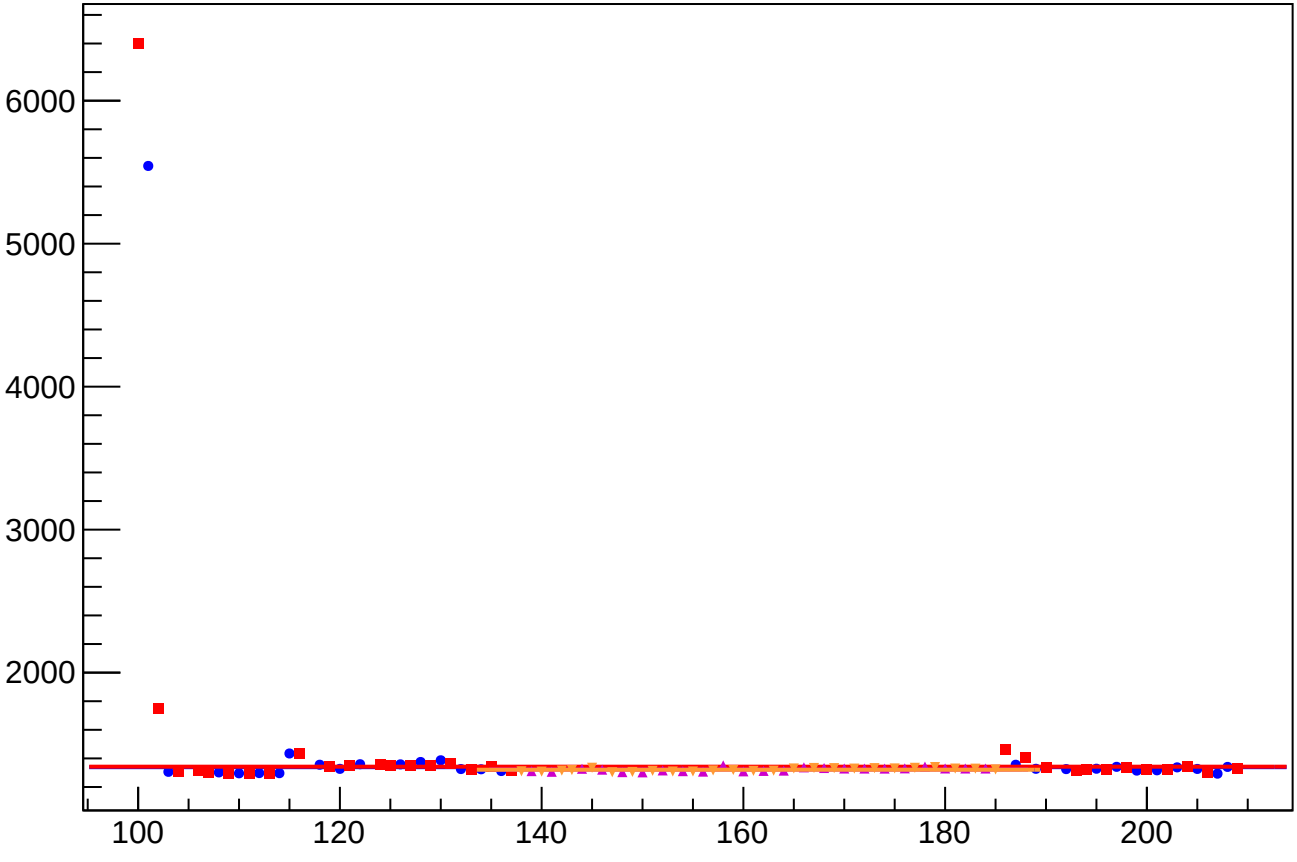
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -55.426+/-225.079 χ^2/NDF: 61.4/51

All: 54.554+/-158.981 χ^2/NDF: 109.3/105

- sign 164.056+/-224.589 χ^2/NDF: 47.5/53

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF: 766418.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.129+/-0.232 χ^2/NDF: 161697.5/30

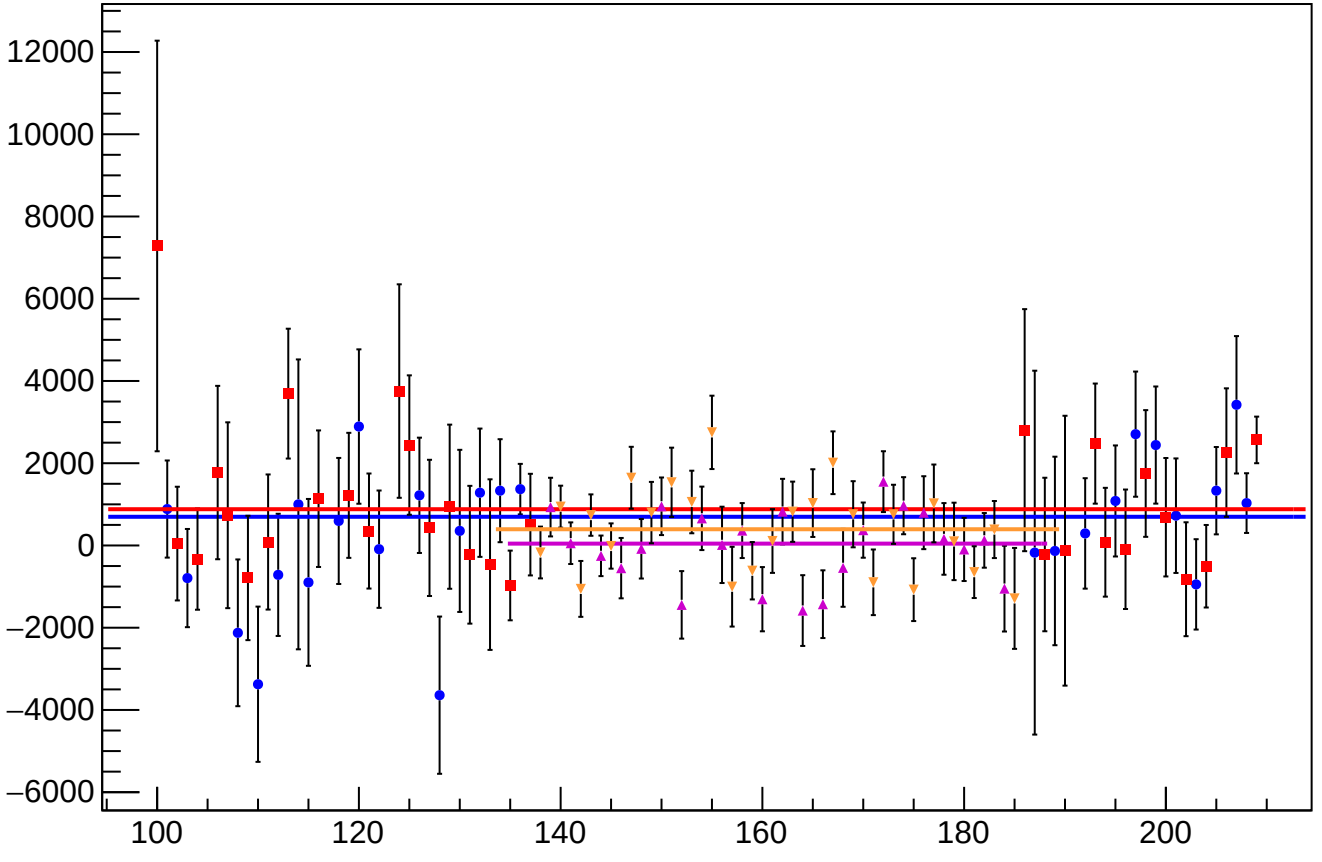
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF: 772166.5/51

All: 1329.983+/-0.112 χ^2/NDF: 941656.0/105

- sign 1331.354+/-0.159 χ^2/NDF: 169340.1/53

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 697.604+/-254.128 χ^2/NDF: 27.9/26

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 881.862+/-251.095 χ^2/NDF: 32.2/30

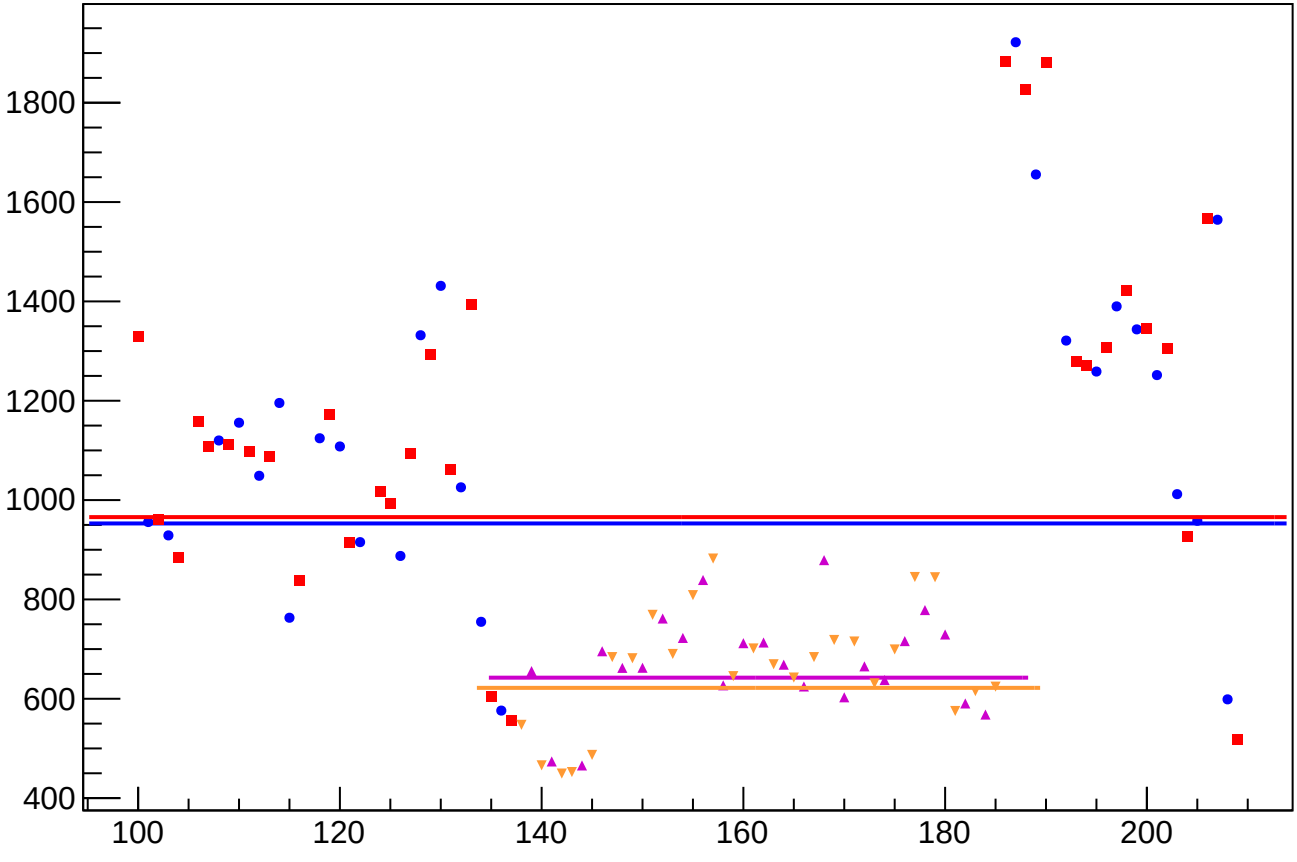
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

\+ sign 468.641+/-125.654 χ^2/NDF: 70.8/51

All: 372.870+/-90.428 χ^2/NDF: 139.9/105

\- sign 269.981+/-130.239 χ^2/NDF: 67.9/53

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 952.955+/-0.180 χ^2/NDF: 2818221.1/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 965.728+/-0.178 χ^2/NDF: 3947038.0/30

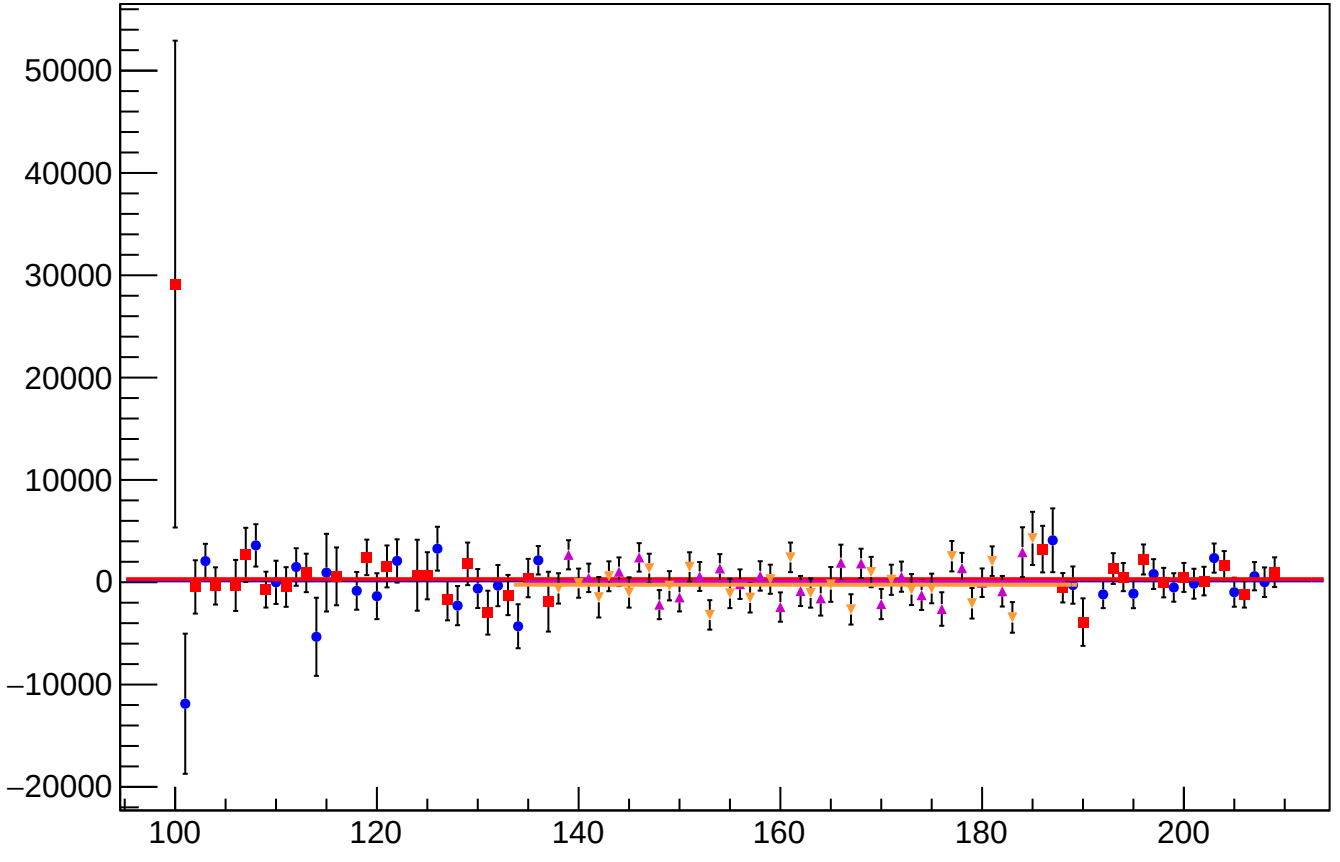
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 702.875+/-0.089 χ^2/NDF: 6765219.3/51

All: 715.680+/-0.064 χ^2/NDF: 14104652.0/10

- sign 729.437+/-0.092 χ^2/NDF: 7296345.7/53

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 297.684+/-327.924 χ^2/NDF: 20.1/30

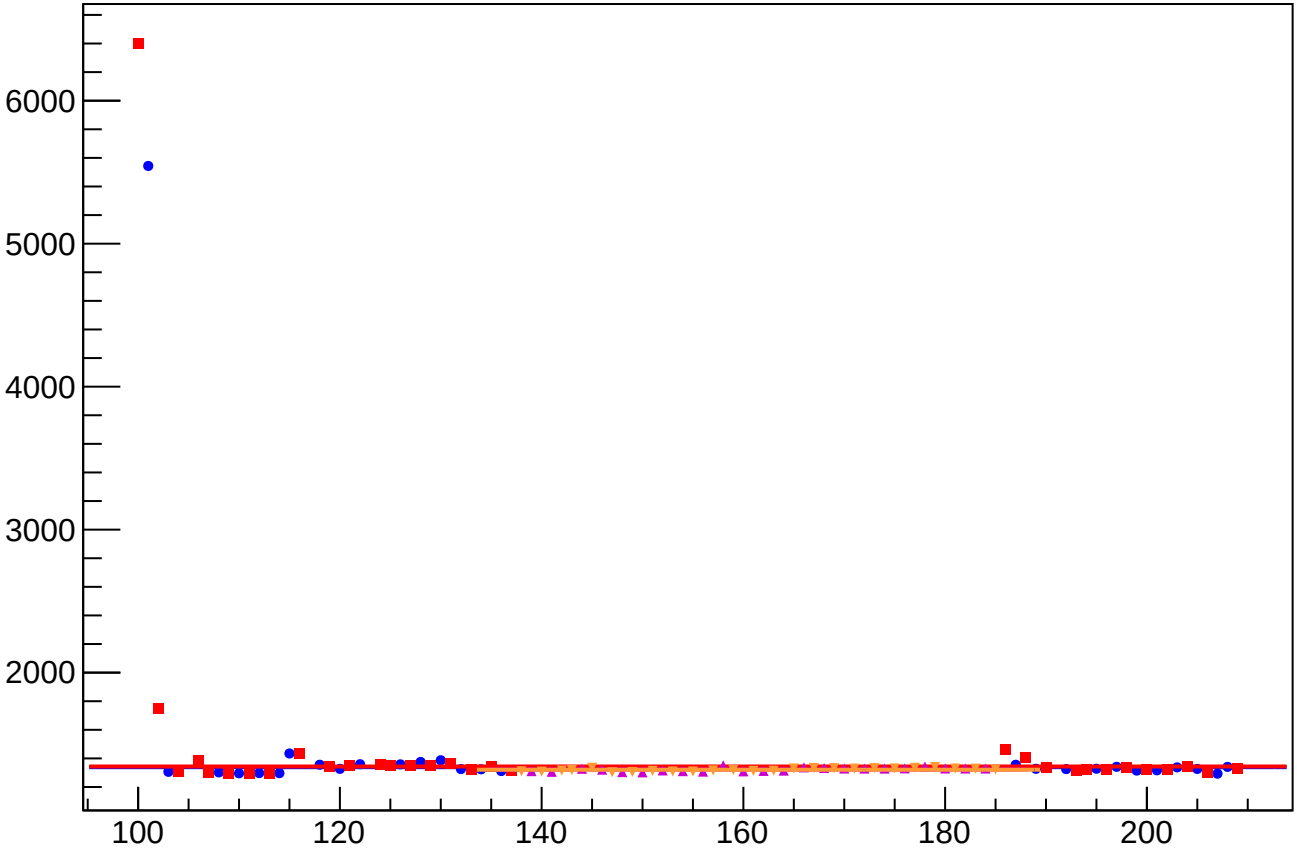
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.386+/-225.079 χ^2/NDF: 61.3/51

All: 52.772+/-159.036 χ^2/NDF: 109.3/105

- sign 160.607+/-224.743 χ^2/NDF: 47.5/53

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1343.432+/-0.232 χ^2/NDF: 162137.6/30

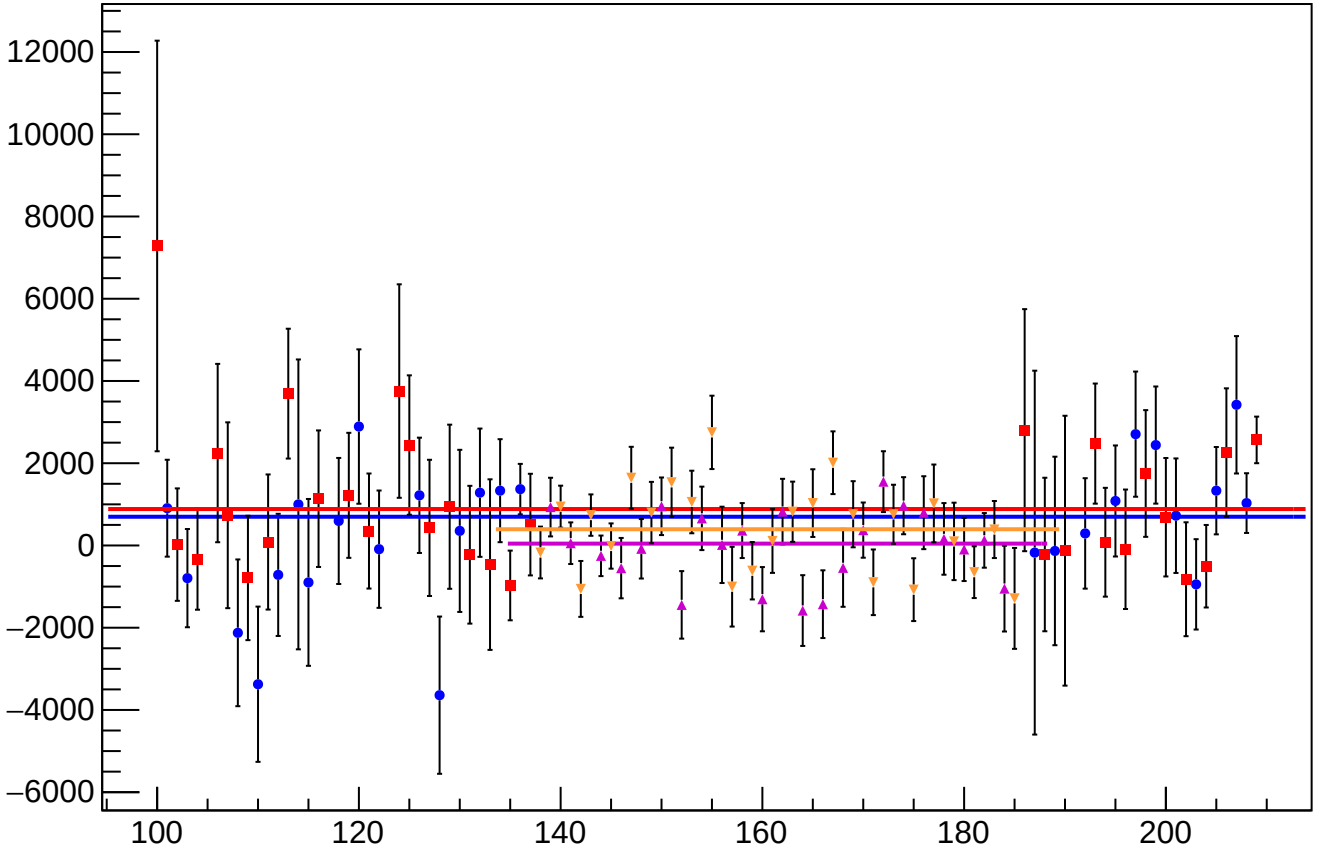
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF: 772165.5/51

All: 1330.281+/-0.112 χ^2/NDF: 942700.4/105

- sign 1331.951+/-0.159 χ^2/NDF: 170313.7/53

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 886.129+/-251.096 χ^2/NDF: 32.4/30

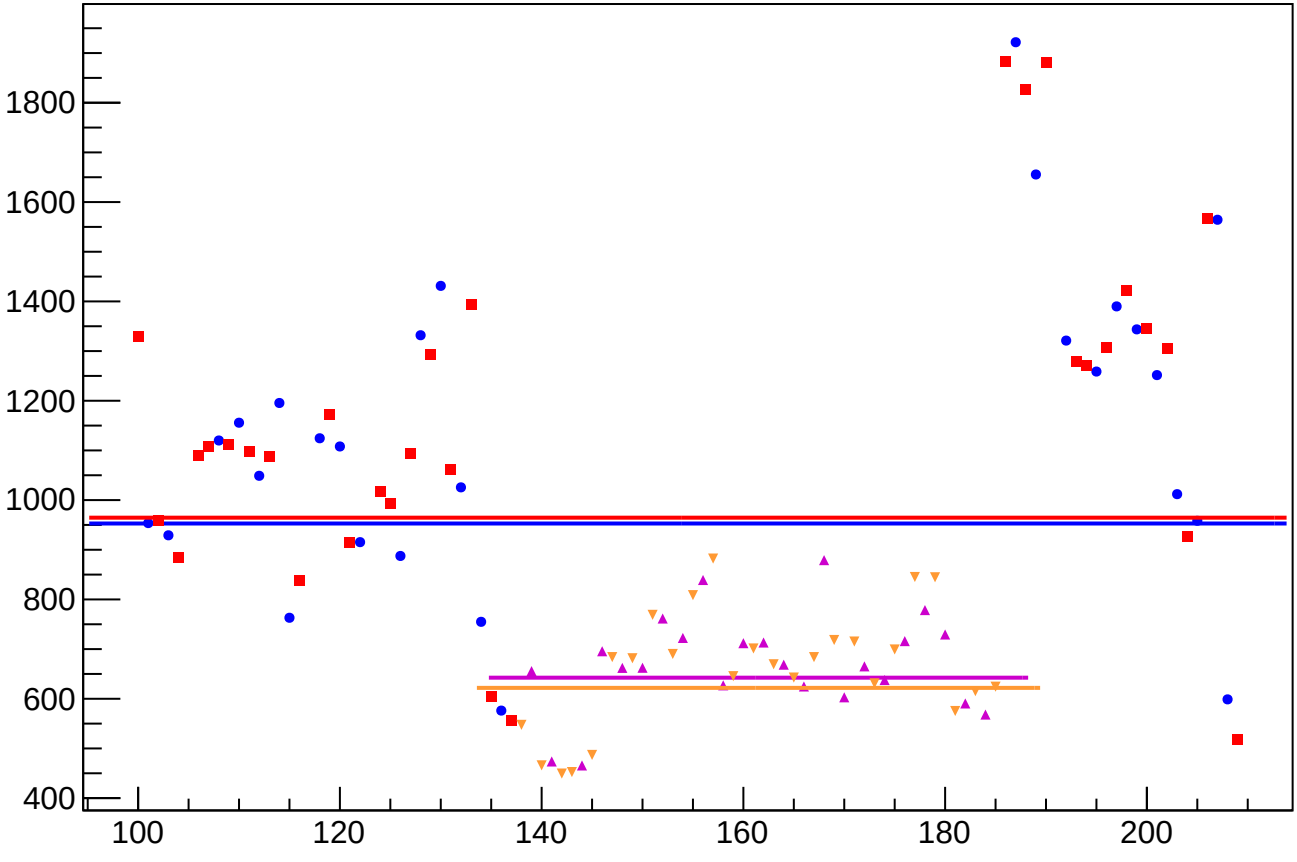
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 468.873+/-125.651 χ^2/NDF: 70.8/51

All: 373.540+/-90.427 χ^2/NDF: 140.2/105

- sign 271.118+/-130.239 χ^2/NDF: 68.2/53

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 964.611+/-0.178 χ^2/NDF: 3937174.7/30

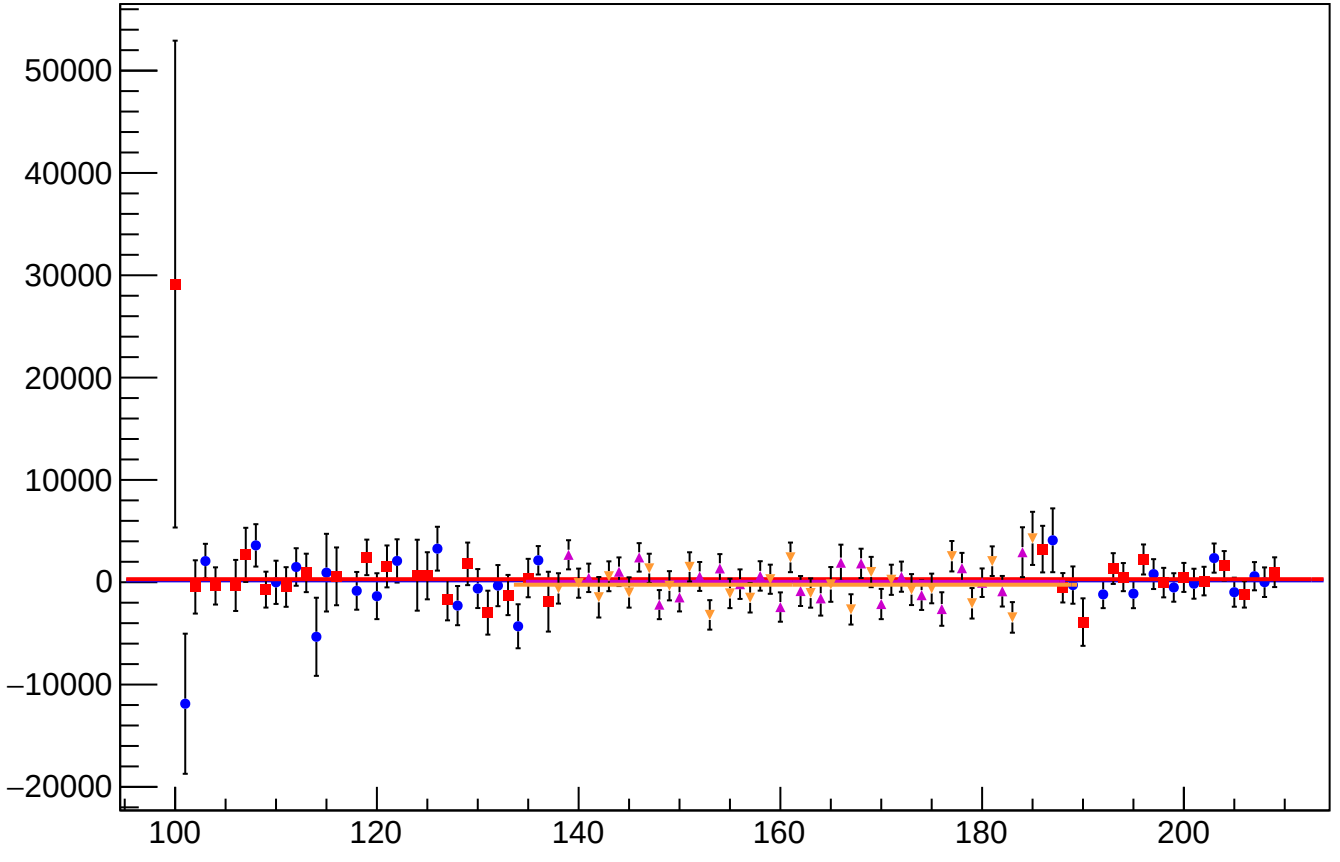
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 702.865+/-0.089 χ^2/NDF: 6764117.4/51

All: 715.528+/-0.064 χ^2/NDF: 14076132.7/10

- sign 729.132+/-0.092 χ^2/NDF: 7269879.0/53

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 297.684+/-327.924 χ^2/NDF: 20.1/30

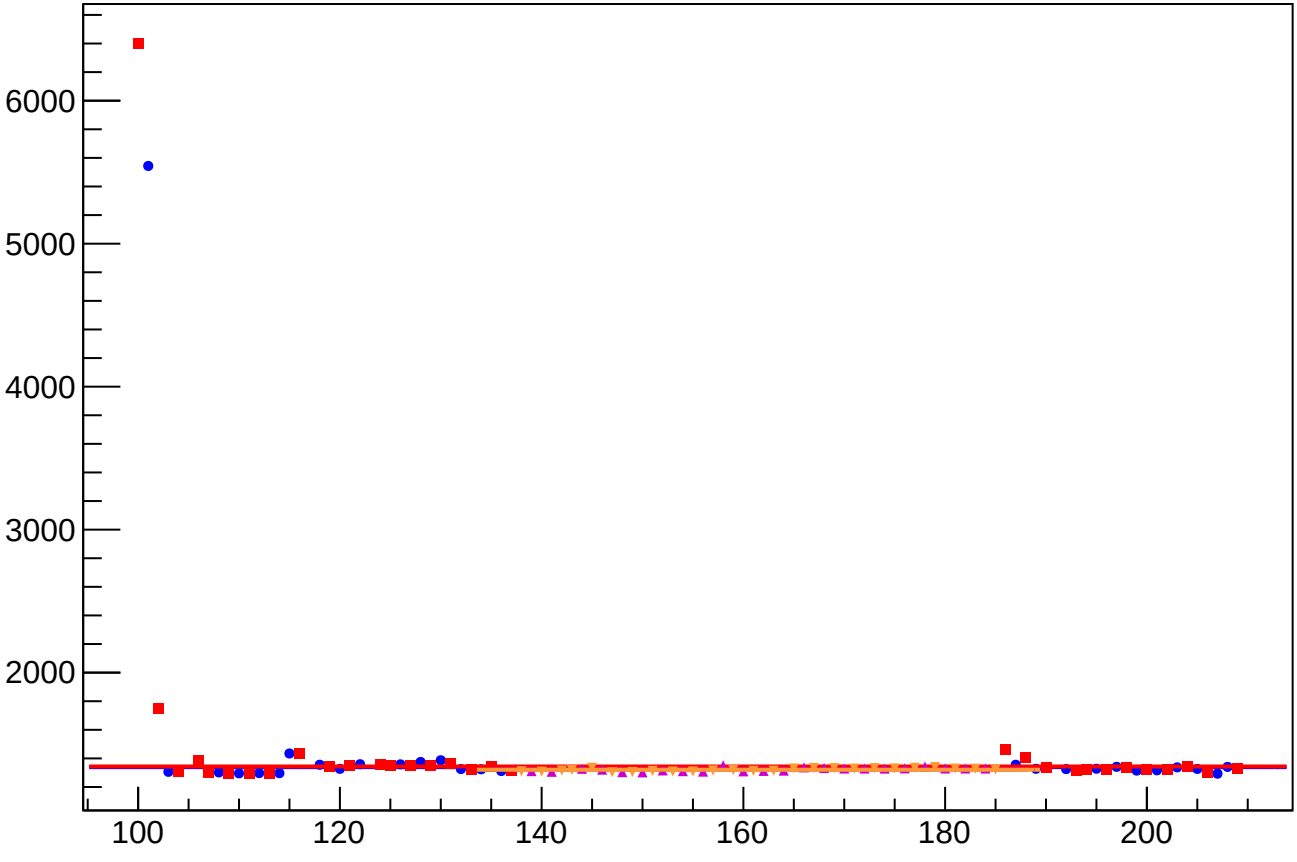
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.386+/-225.079 χ^2/NDF: 61.3/51

All: 52.772+/-159.036 χ^2/NDF: 109.3/105

- sign 160.607+/-224.743 χ^2/NDF: 47.5/53

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

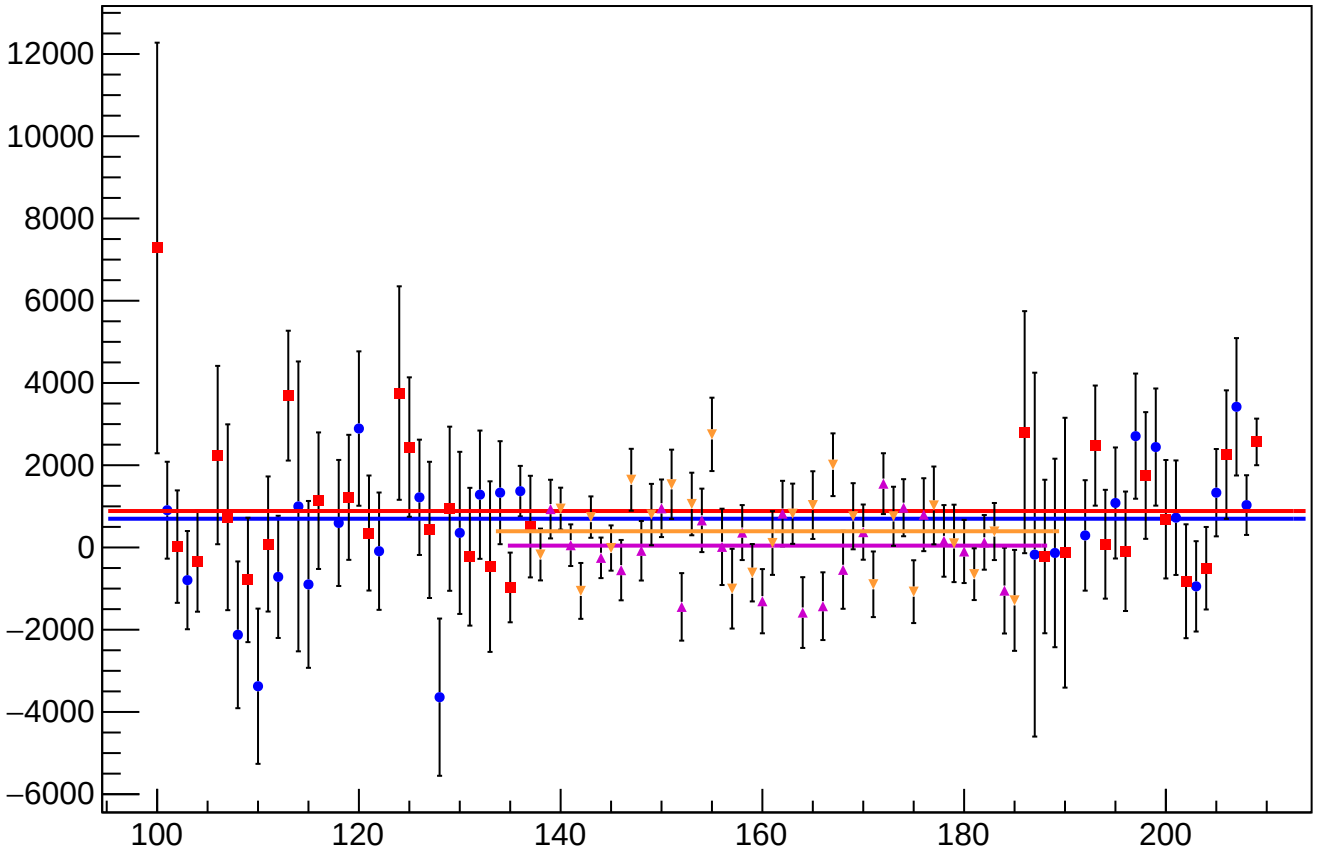
Right Out: 1343.432+/-0.232 χ^2/NDF: 162137.6/30

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.606+/-0.159 χ^2/NDF: 772165.5/51

All: 1330.281+/-0.112 χ^2/NDF: 942700.4/105

- sign 1331.951+/-0.159 χ^2/NDF: 170313.7/53



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

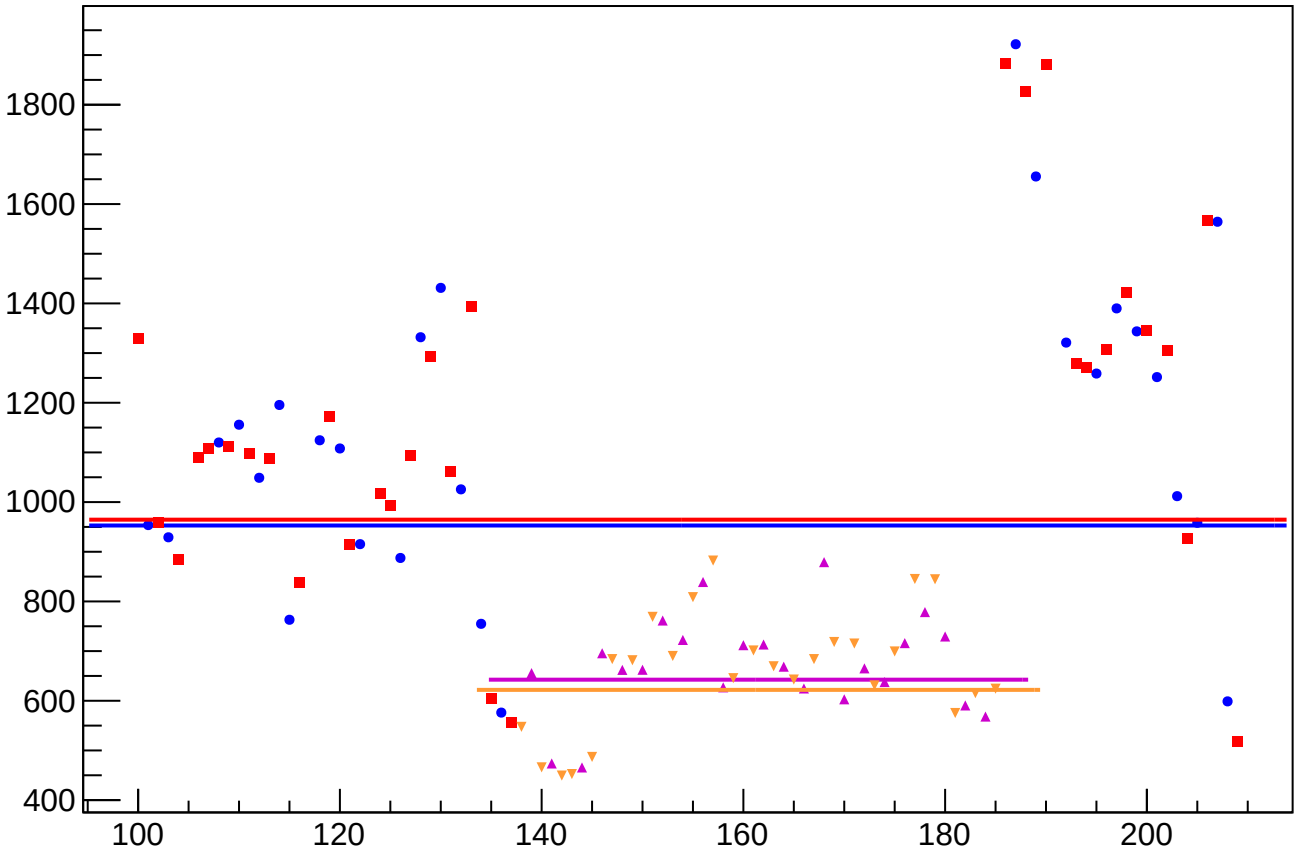
Right Out: 886.129+/-251.096 χ^2/NDF: 32.4/30

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 468.873+/-125.651 χ^2/NDF: 70.8/51

All: 373.540+/-90.427 χ^2/NDF: 140.2/105

- sign 271.118+/-130.239 χ^2/NDF: 68.2/53



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 964.611+/-0.178 χ^2/NDF: 3937174.7/30

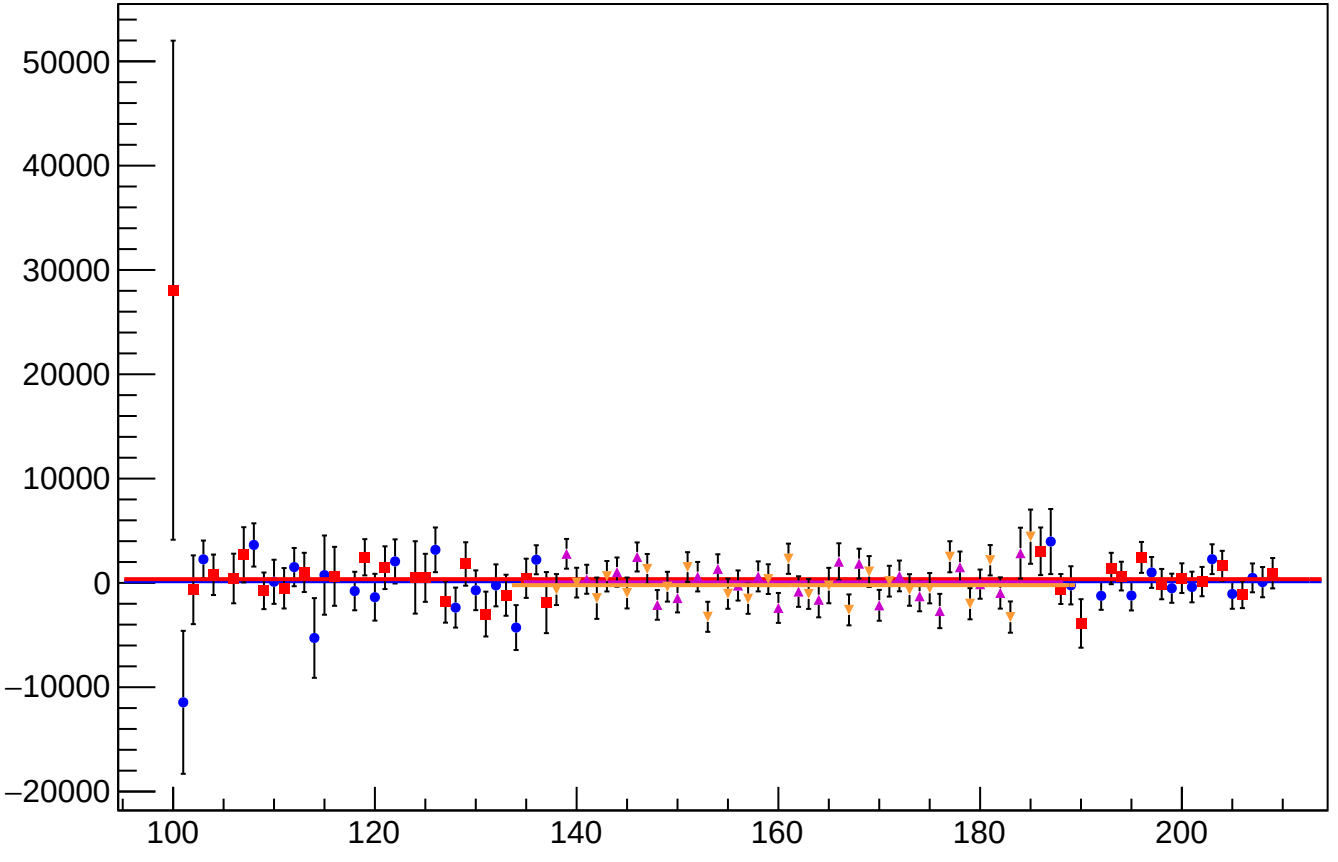
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 702.865+/-0.089 χ^2/NDF: 6764117.4/51

All: 715.528+/-0.064 χ^2/NDF: 14076132.7/10

- sign 729.132+/-0.092 χ^2/NDF: 7269879.0/53

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 358.633+/-330.078 χ^2/NDF: 20.0/30

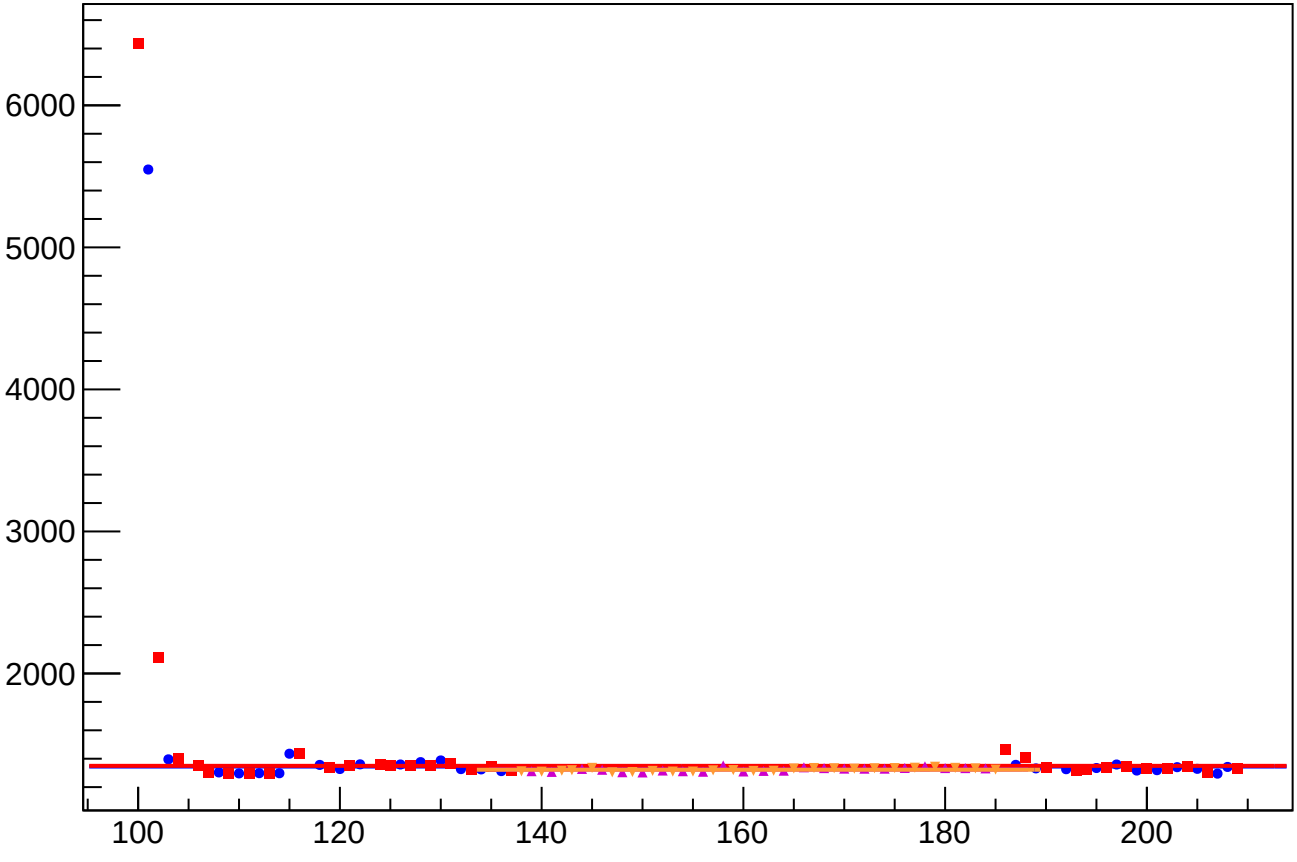
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -51.212+/-225.686 χ^2/NDF: 60.8/51

All: 71.590+/-159.545 χ^2/NDF: 109.7/105

- sign 194.271+/-225.575 χ^2/NDF: 48.3/53

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1349.767+/-0.233 χ^2/NDF: 220138.8/30

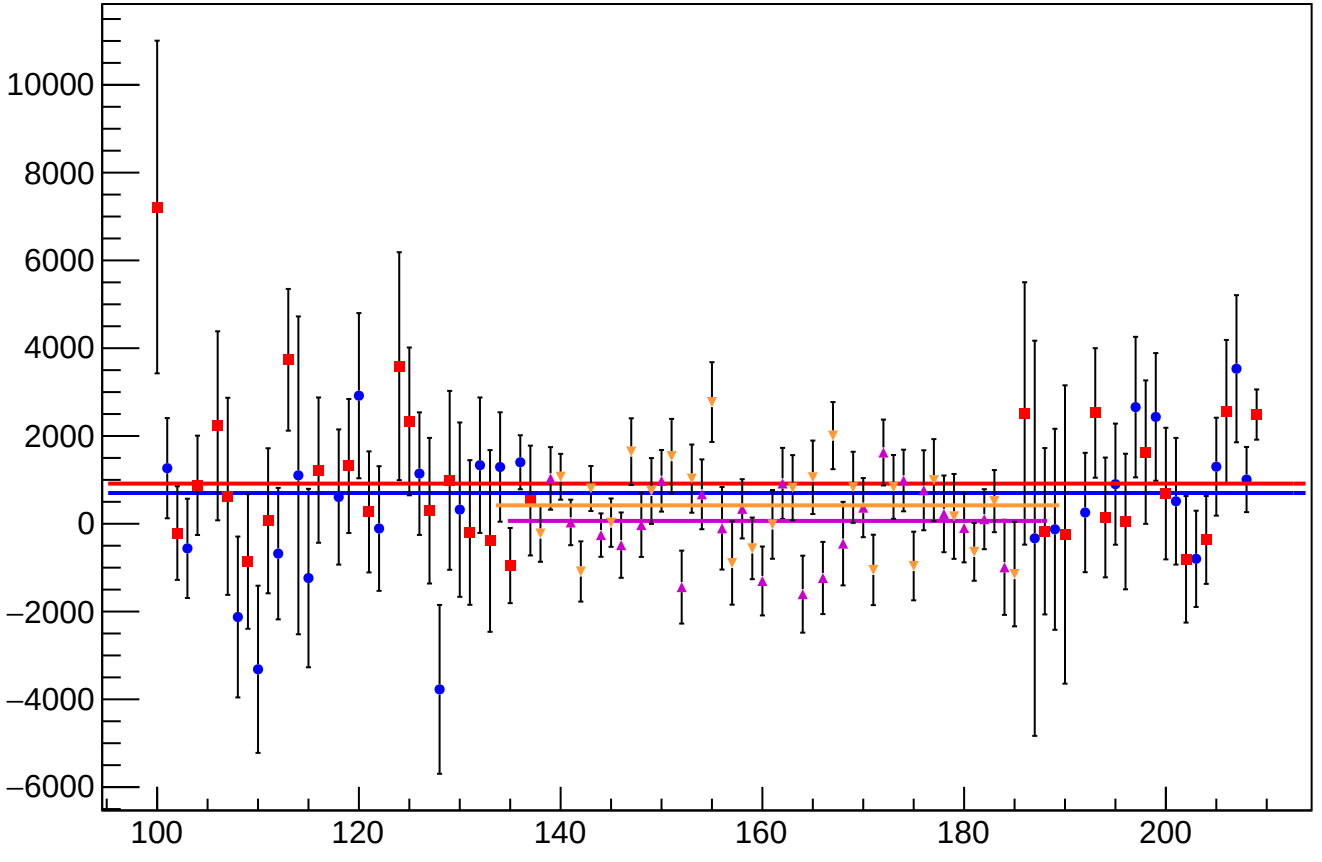
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.150+/-0.160 χ^2/NDF: 774943.8/51

All: 1333.916+/-0.113 χ^2/NDF: 1006017.6/10

- sign 1335.681+/-0.160 χ^2/NDF: 230828.9/53

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 701.042+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 915.049+/-250.267 χ^2/NDF: 31.3/30

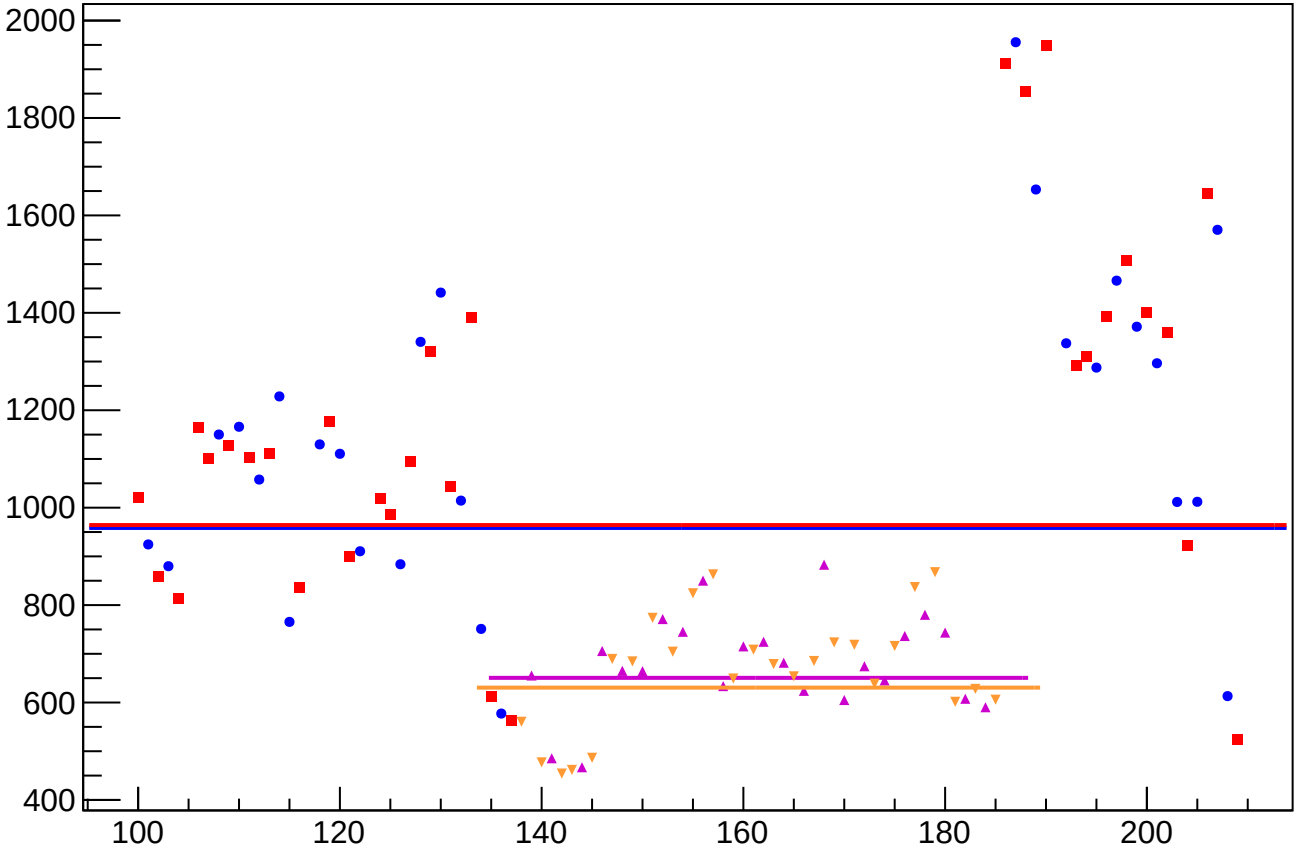
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 489.312+/-127.079 χ^2/NDF: 69.9/51

All: 397.384+/-91.313 χ^2/NDF: 137.7/105

- sign 299.254+/-131.296 χ^2/NDF: 66.7/53

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 958.403+/-0.181 χ^2/NDF: 2896868.2/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 964.292+/-0.177 χ^2/NDF: 4166229.2/30

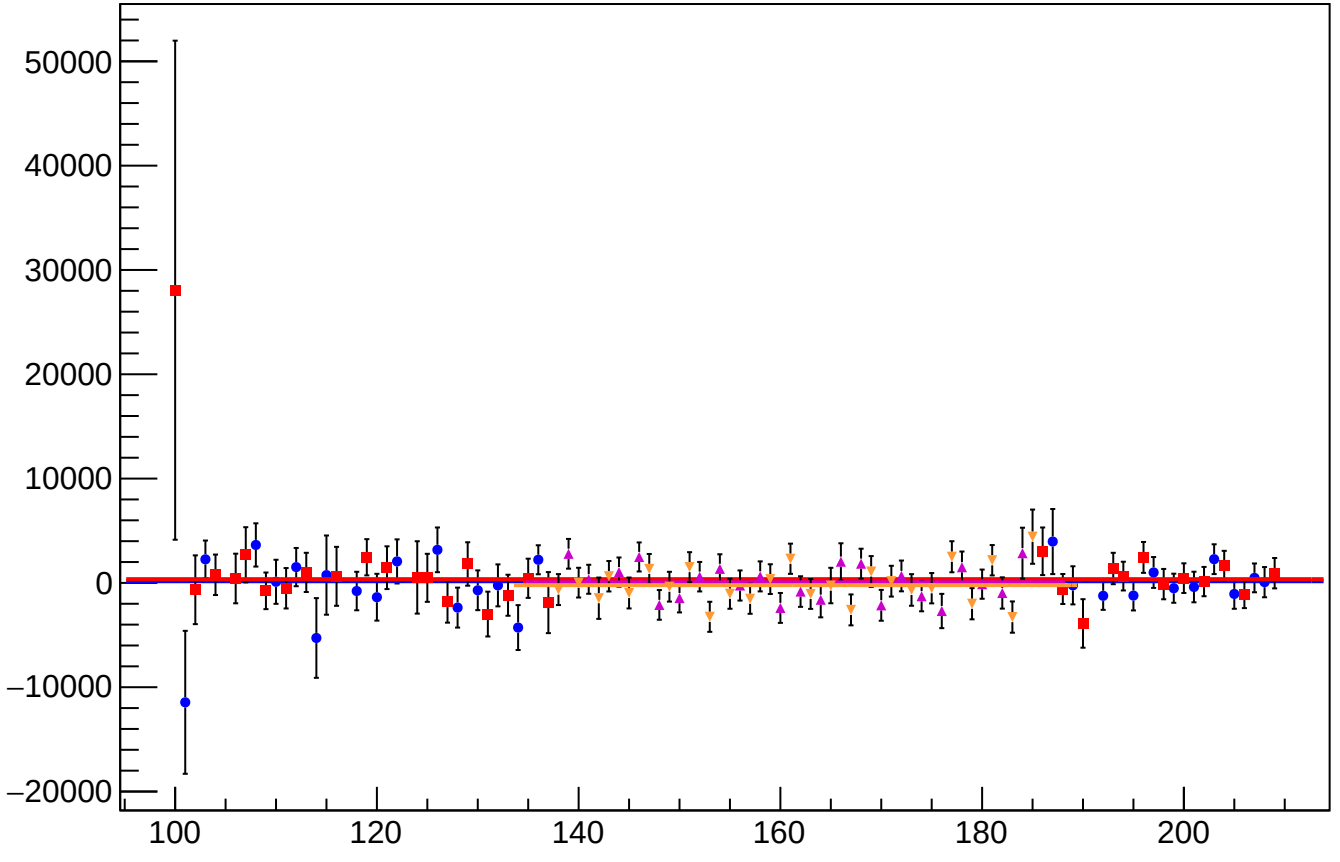
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 711.527+/-0.090 χ^2/NDF: 6700021.6/51

All: 723.831+/-0.065 χ^2/NDF: 14103902.8/10

- sign 736.964+/-0.093 χ^2/NDF: 7365121.4/53

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 358.632+/-330.078 χ^2/NDF: 20.0/30

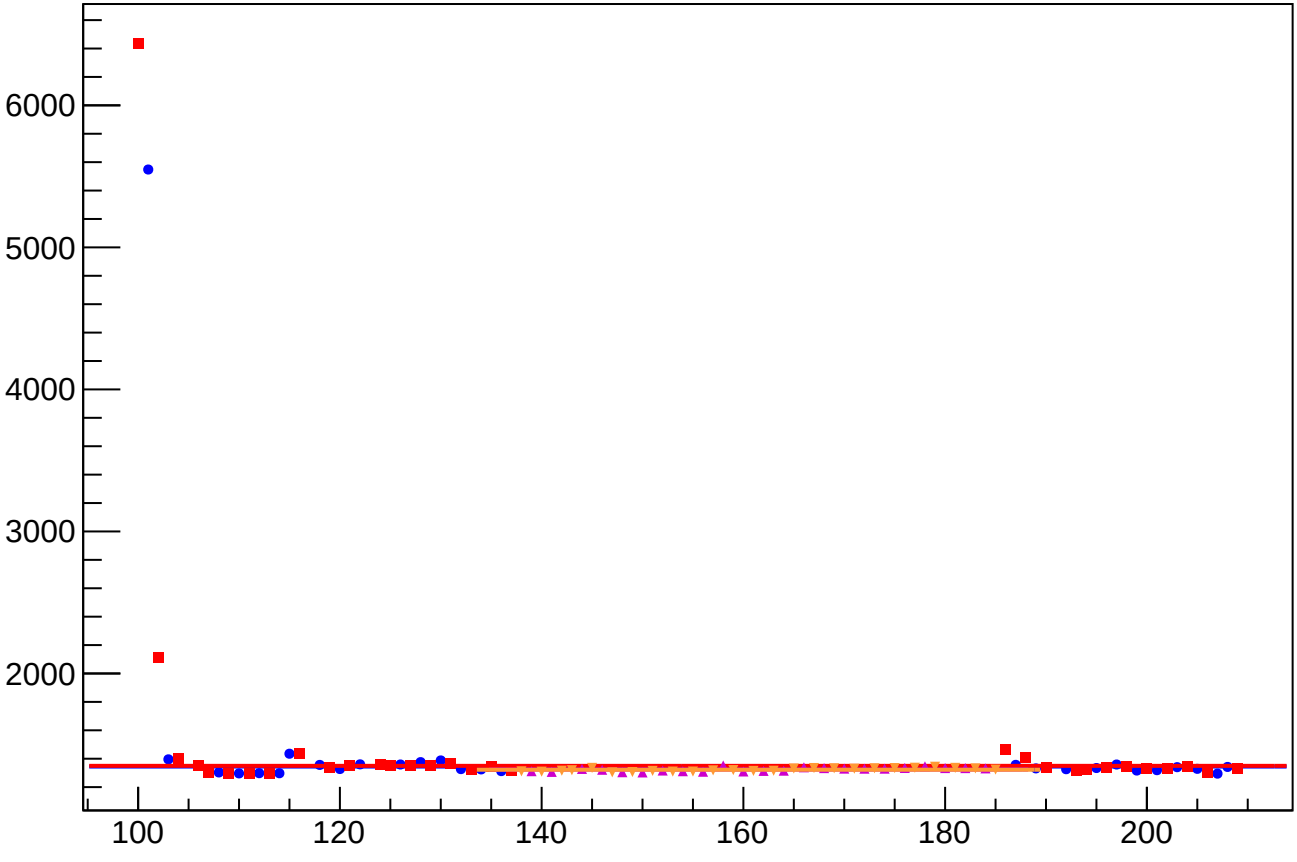
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -51.213+/-225.686 χ^2/NDF: 60.8/51

All: 71.590+/-159.545 χ^2/NDF: 109.7/105

- sign 194.271+/-225.575 χ^2/NDF: 48.3/53

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

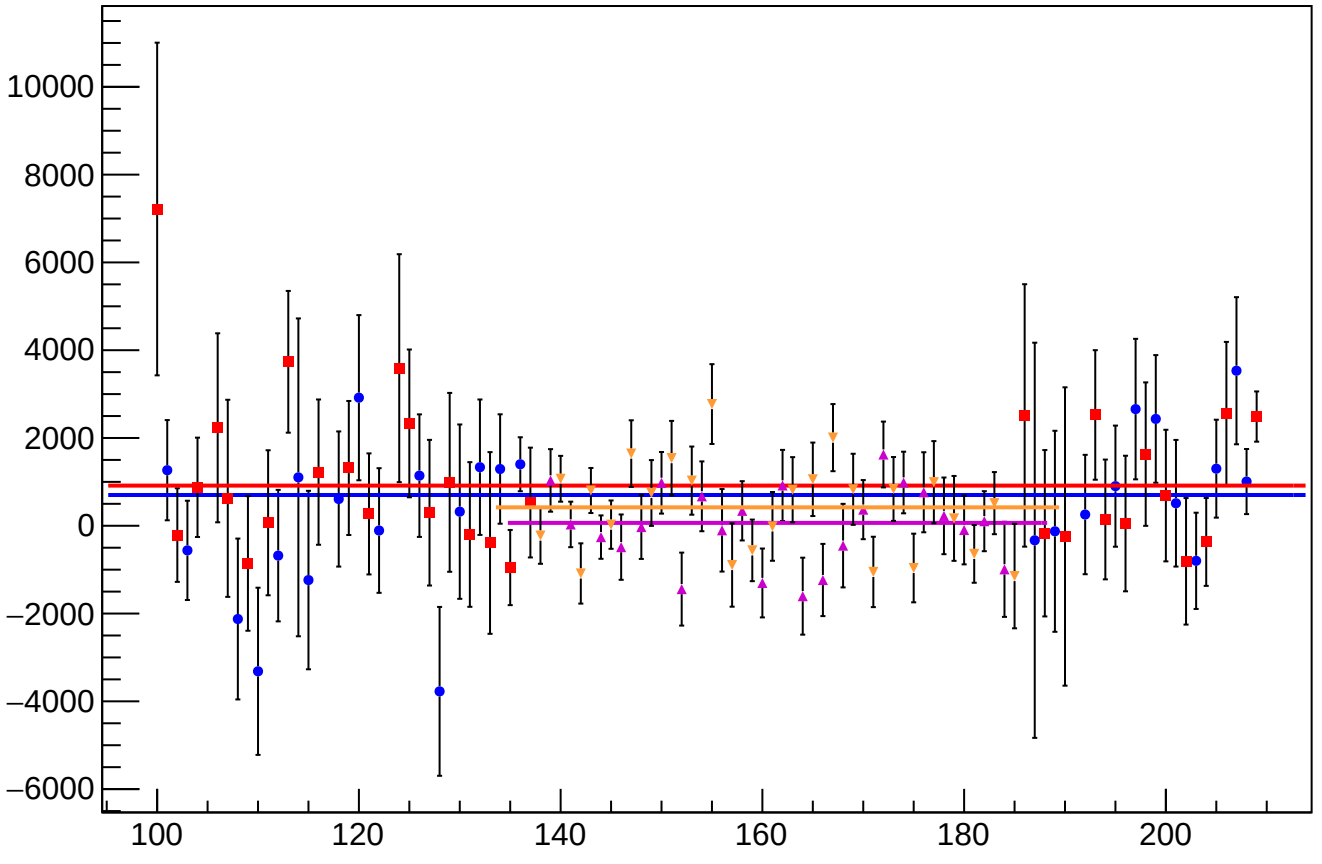
Right Out: 1349.767+/-0.233 χ^2/NDF: 220138.7/30

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.150+/-0.160 χ^2/NDF: 774943.7/51

All: 1333.916+/-0.113 χ^2/NDF: 1006017.5/10

- sign 1335.681+/-0.160 χ^2/NDF: 230828.8/53



Right In: 701.039+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 915.049+/-250.267 χ^2/NDF: 31.3/30

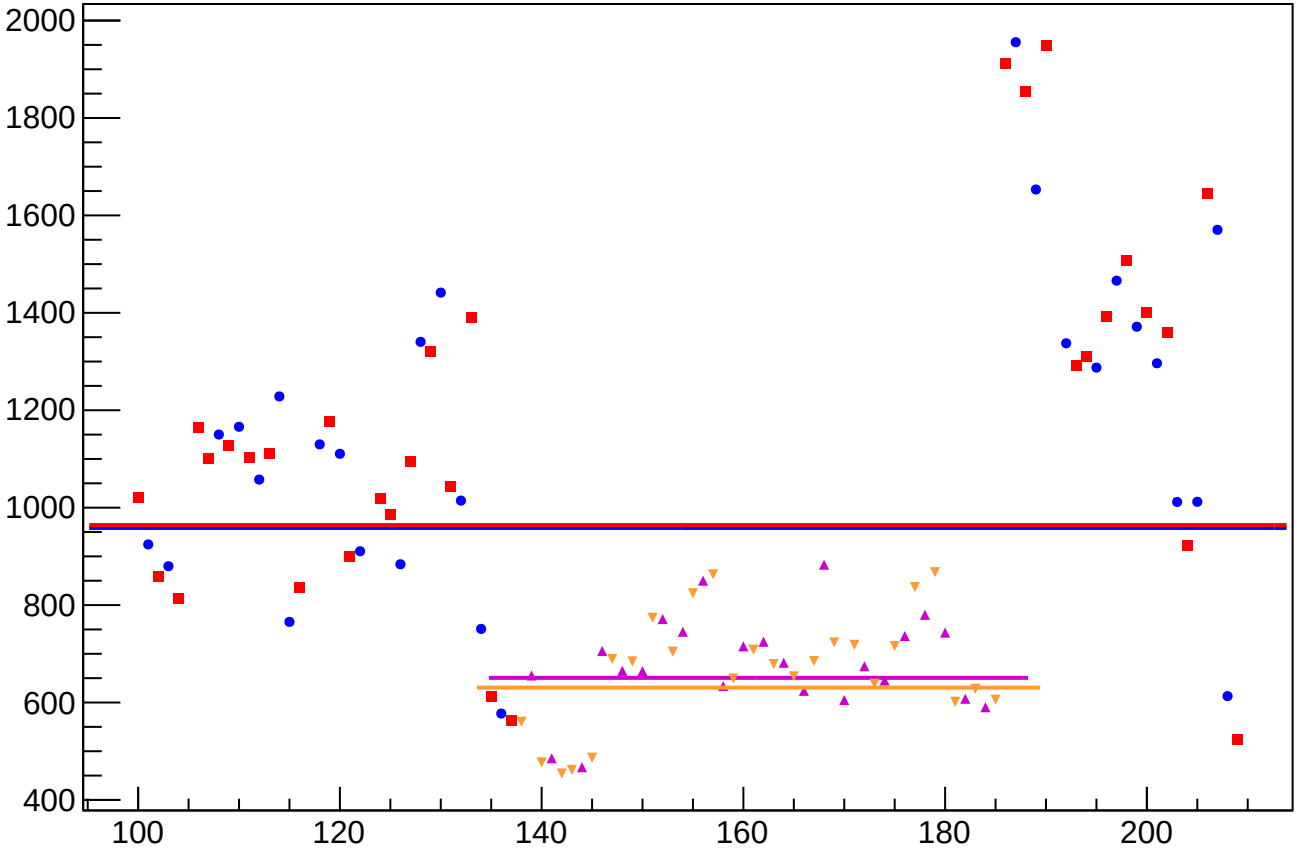
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 489.312+/-127.079 χ^2/NDF: 69.9/51

All: 397.385+/-91.313 χ^2/NDF: 137.7/105

- sign 299.255+/-131.297 χ^2/NDF: 66.7/53

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 958.401+/-0.181 χ^2/NDF: 2896890.5/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 964.290+/-0.177 χ^2/NDF: 4166255.6/30

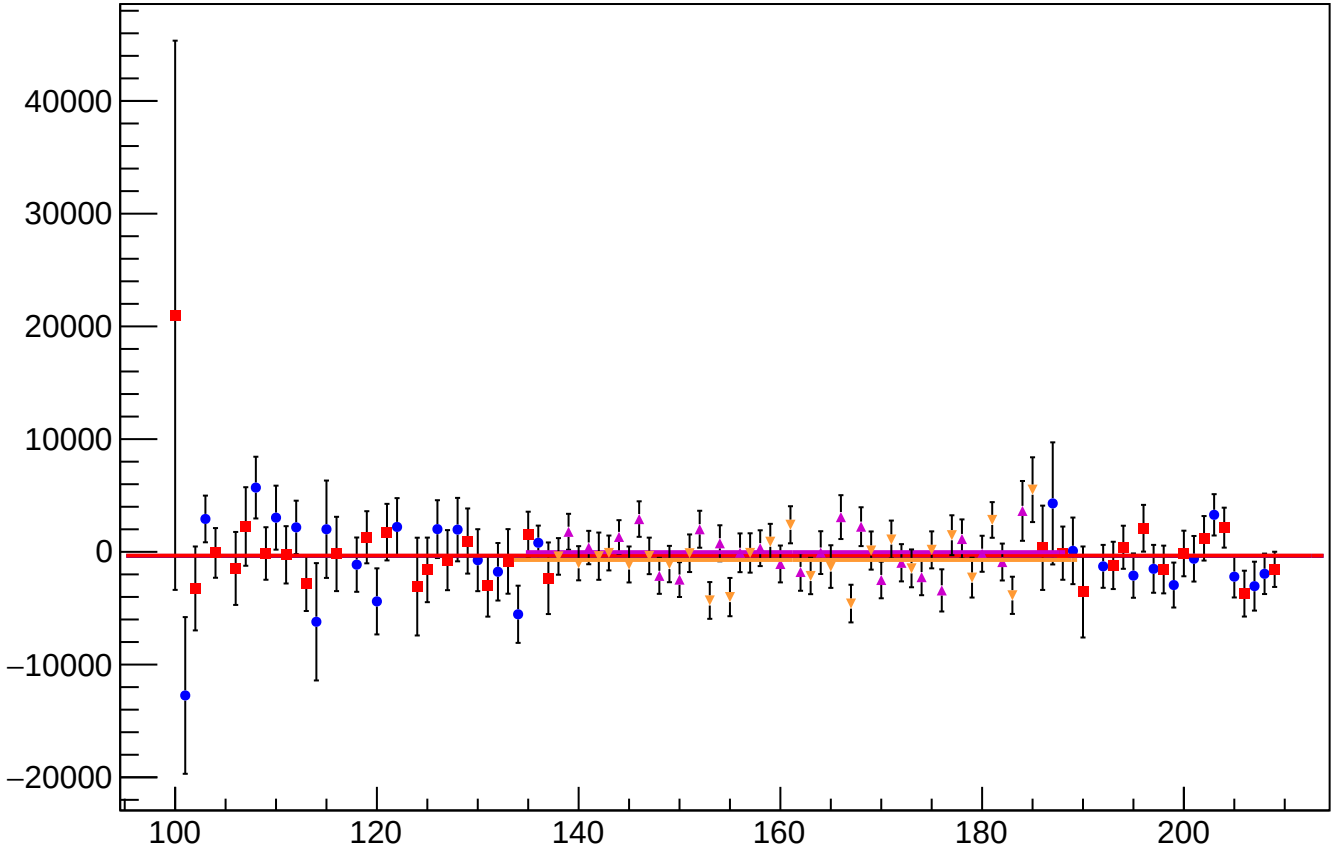
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 711.528+/-0.090 χ^2/NDF: 6700029.0/51

All: 723.831+/-0.065 χ^2/NDF: 14103904.1/10

- sign 736.965+/-0.093 χ^2/NDF: 7365114.2/53

asym_usr_atr1_dd_mean vs Slug



Right In: -361.592+/-452.312 χ^2/NDF: 35.4/26

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -338.422+/-439.959 χ^2/NDF: 15.9/30

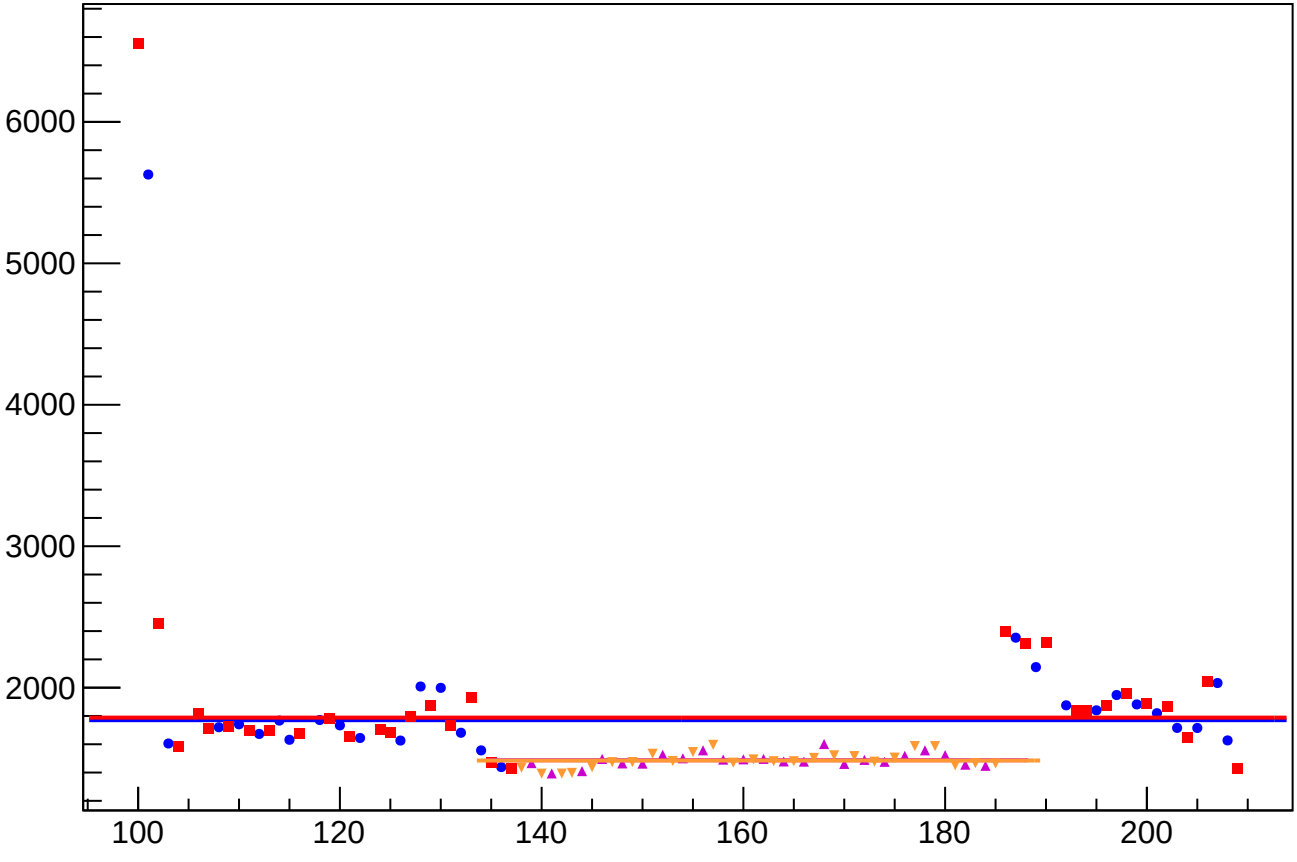
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -590.683+/-270.537 χ^2/NDF: 73.5/51

All: -370.534+/-192.043 χ^2/NDF: 119.0/105

- sign -146.923+/-272.656 χ^2/NDF: 44.2/53

asym_usr_atr1_dd_rms vs Slug



Right In: 1770.257+/-0.320 χ^2/NDF: 917069.2/26

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1788.255+/-0.311 χ^2/NDF: 619597.7/30

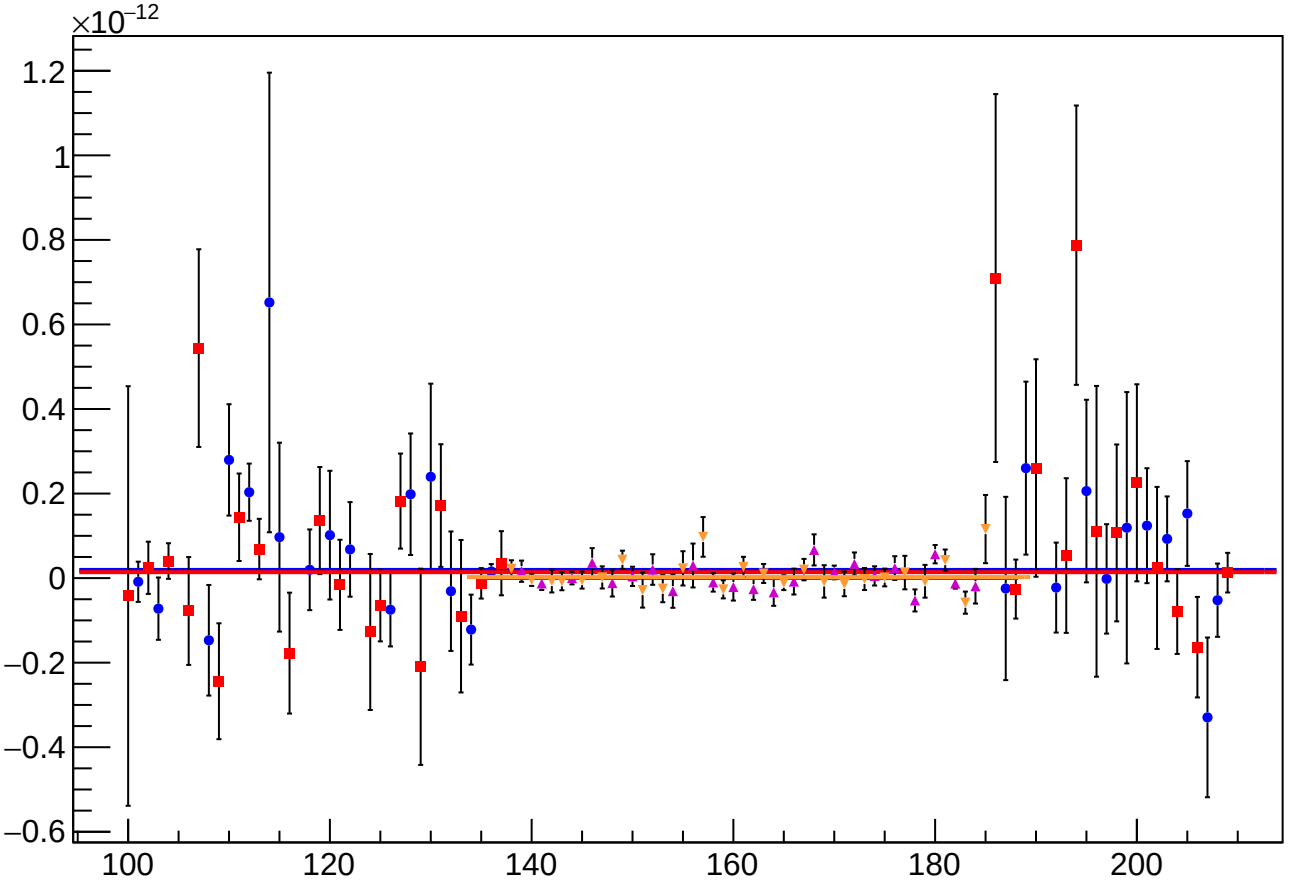
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1587.025+/-0.191 χ^2/NDF: 1479013.4/51

All: 1594.836+/-0.136 χ^2/NDF: 2713934.0/10

- sign 1602.771+/-0.193 χ^2/NDF: 1231559.2/53

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

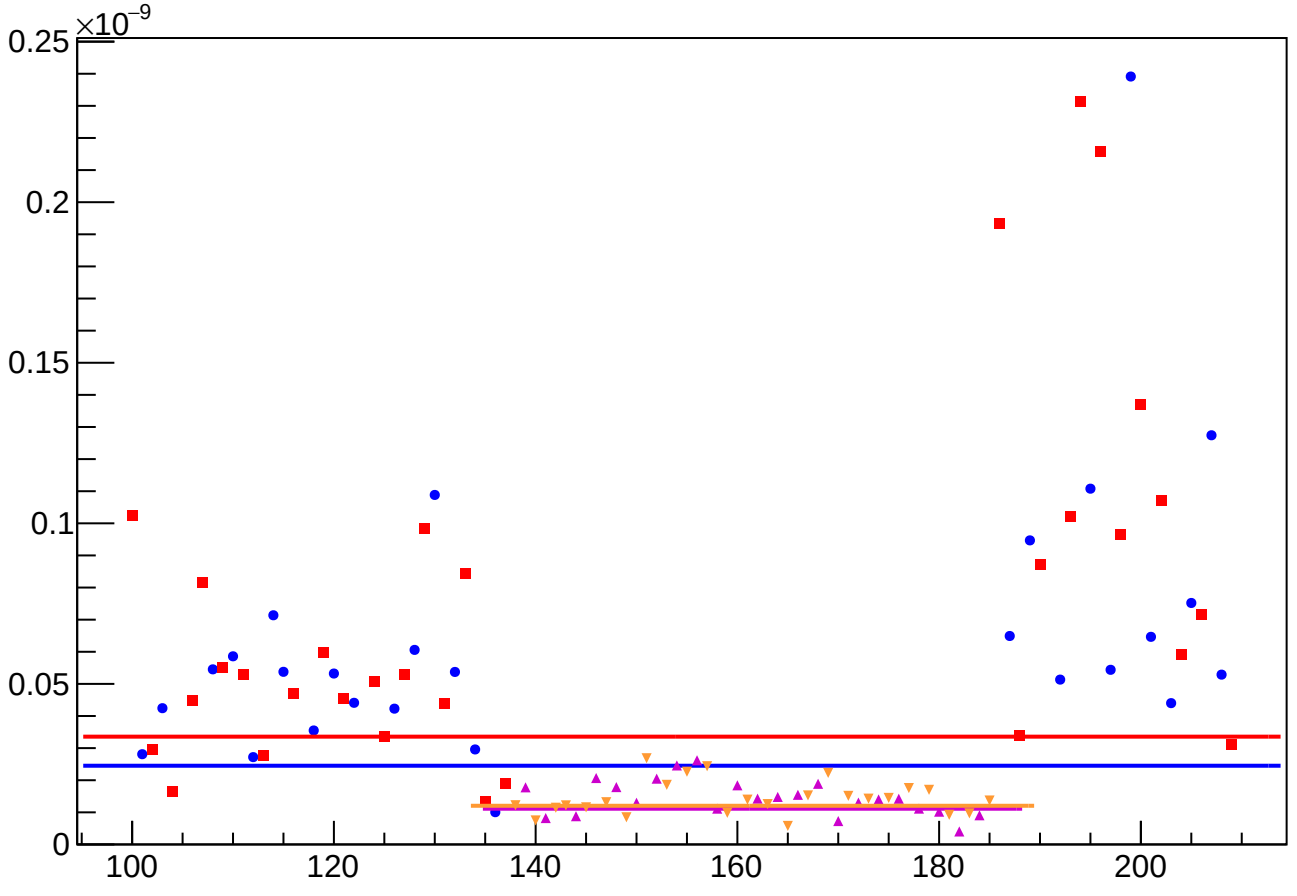
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/30

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.2/51

All: 0.000+/-0.000 χ^2/NDF: 119.8/105

- sign 0.000+/-0.000 χ^2/NDF: 60.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 5670904.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4979536.9/30

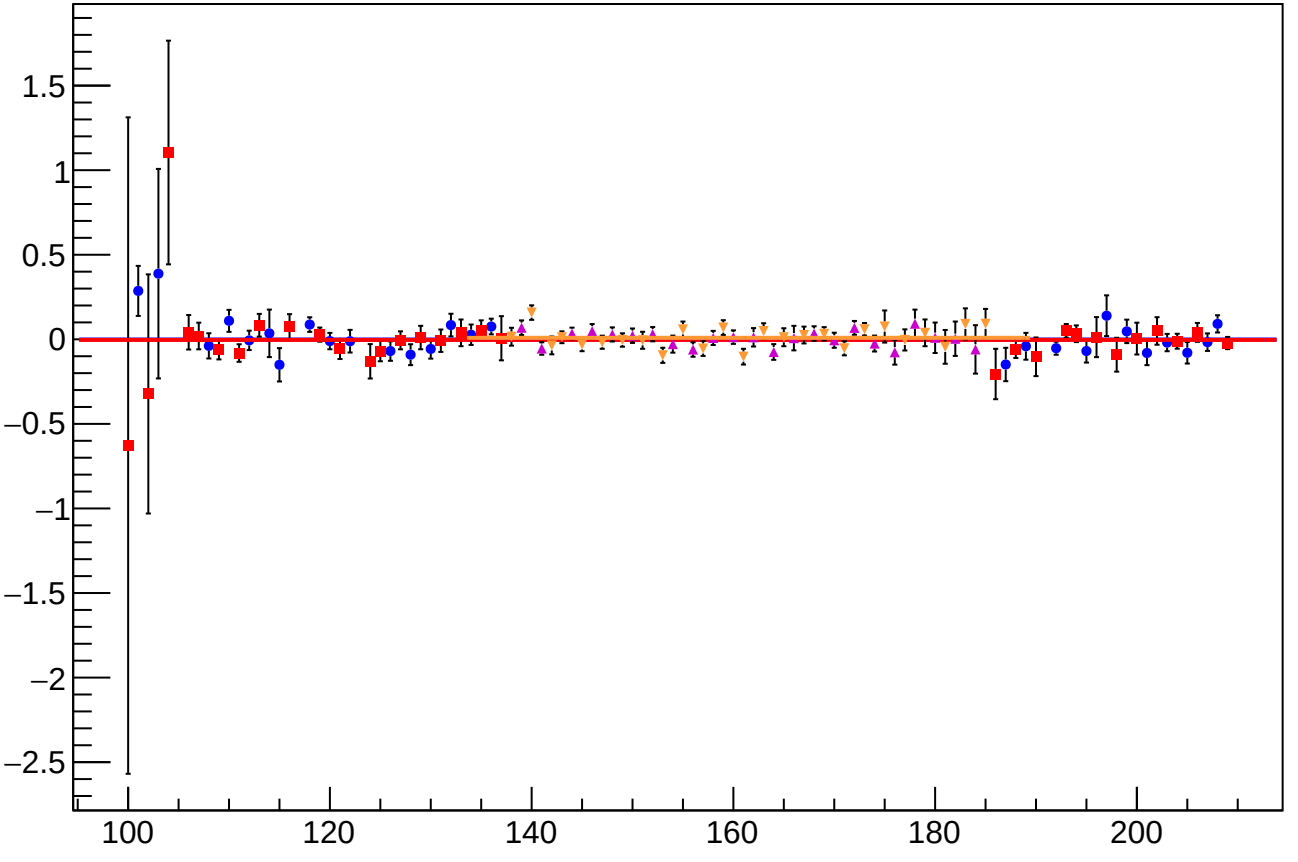
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8683595.3/51

All: 0.000+/-0.000 χ^2/NDF: 19323298.5/105

- sign 0.000+/-0.000 χ^2/NDF: 10623310.9/53

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.012 χ^2/NDF: 23.1/30

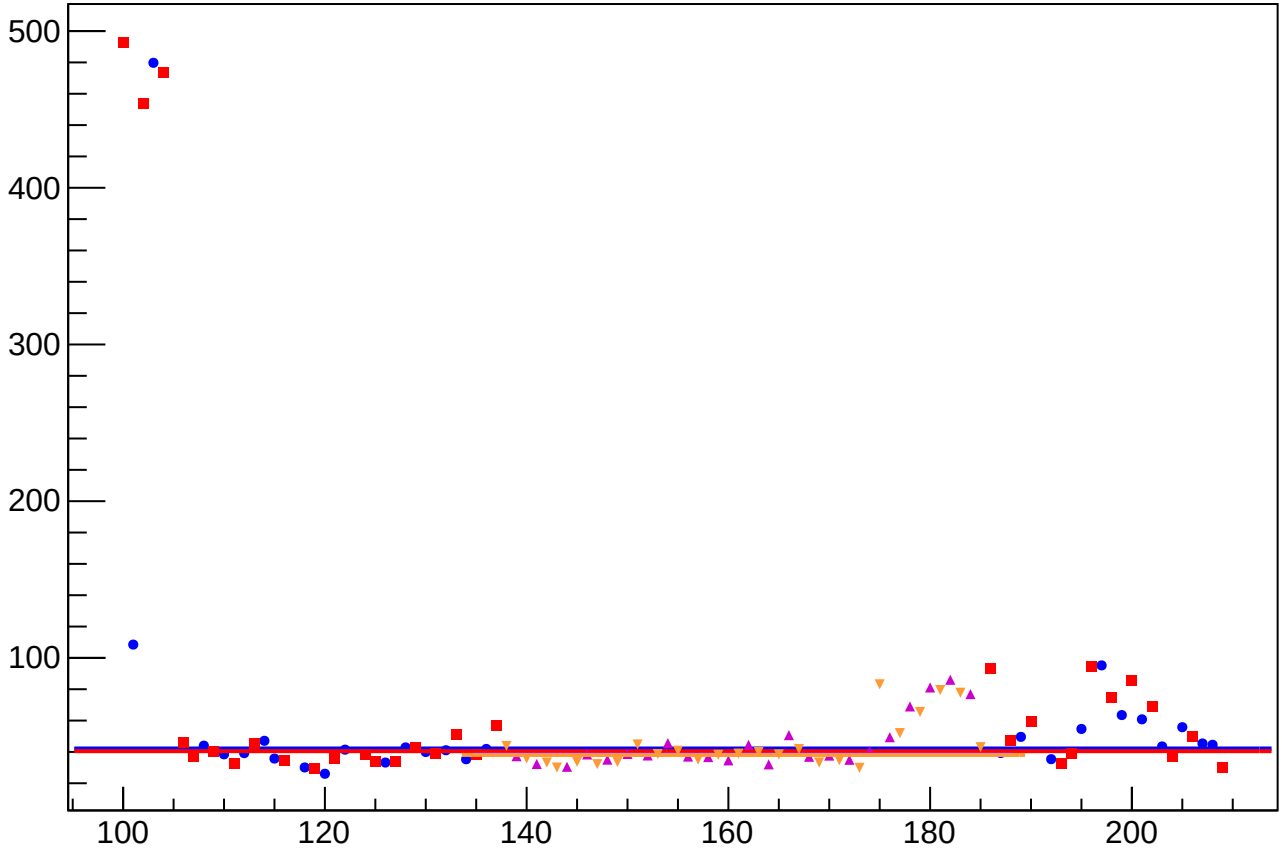
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.004+/-0.005 χ^2/NDF: 117.9/105

- sign 0.003+/-0.008 χ^2/NDF: 42.6/53

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

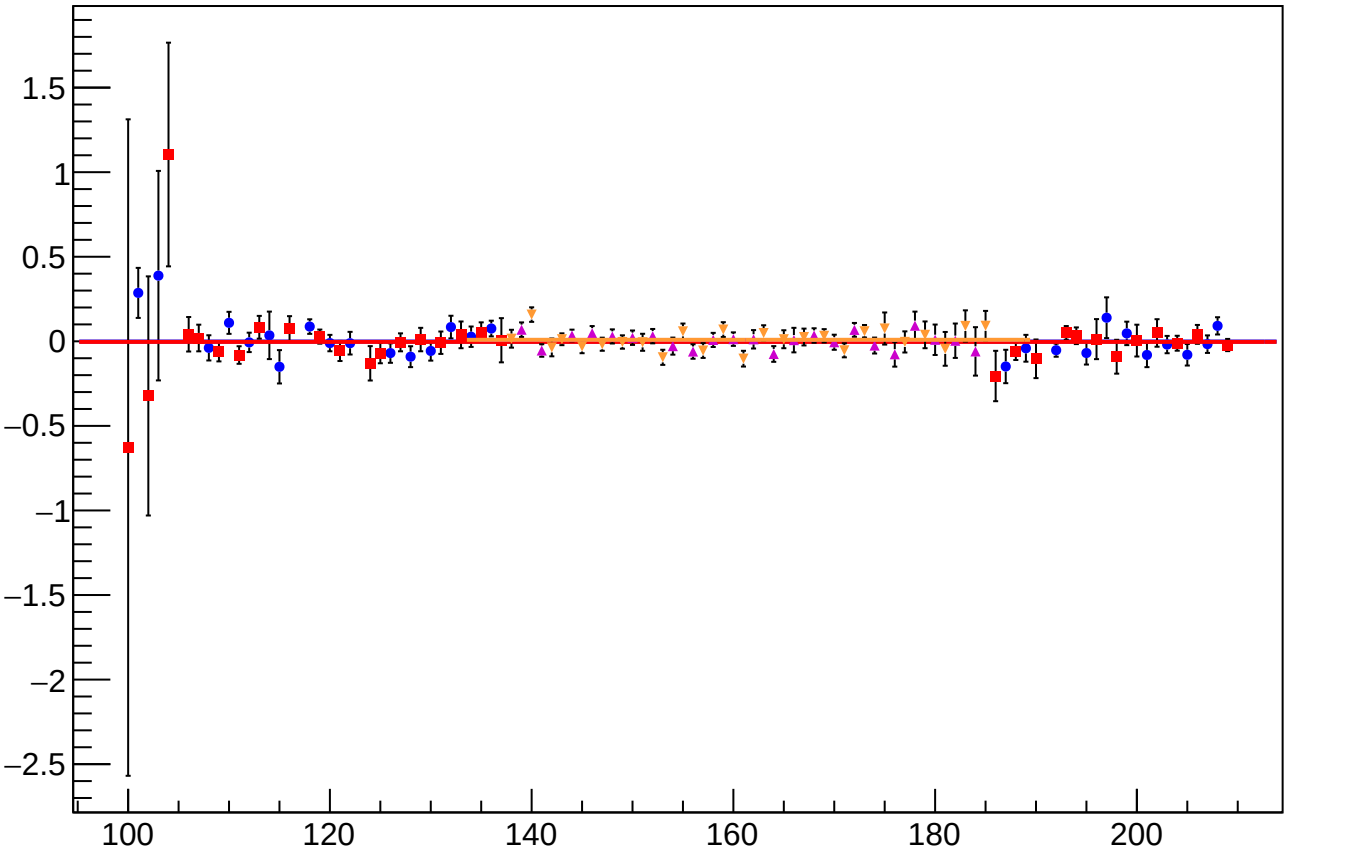
Right Out: 40.472+/-0.008 χ^2/NDF: 4027616.2/30

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953455.5/51

All: 39.537+/-0.004 χ^2/NDF: 10739076.3/105

- sign 39.409+/-0.005 χ^2/NDF: 5784478.0/53



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.012 χ^2/NDF: 23.1/30

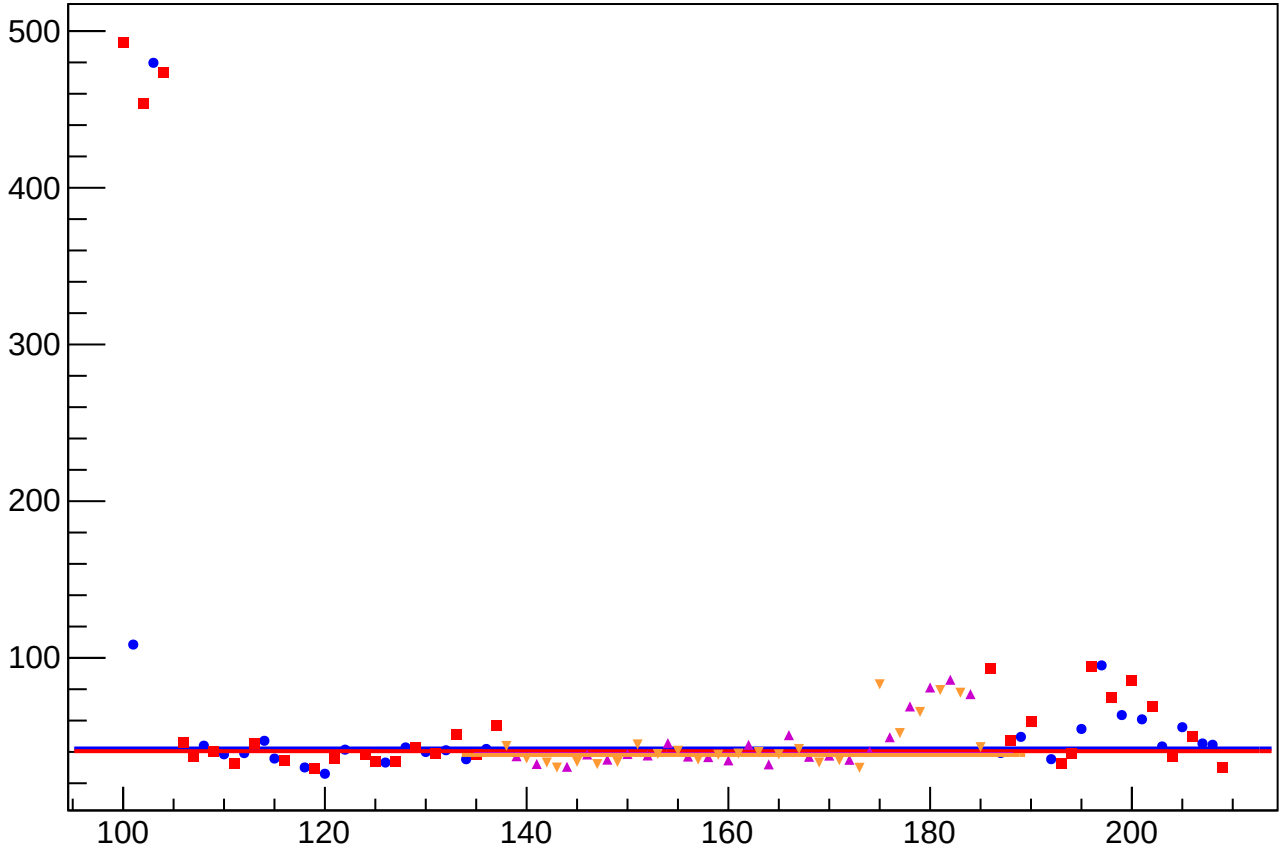
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.004+/-0.005 χ^2/NDF: 117.9/105

- sign 0.003+/-0.008 χ^2/NDF: 42.6/53

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

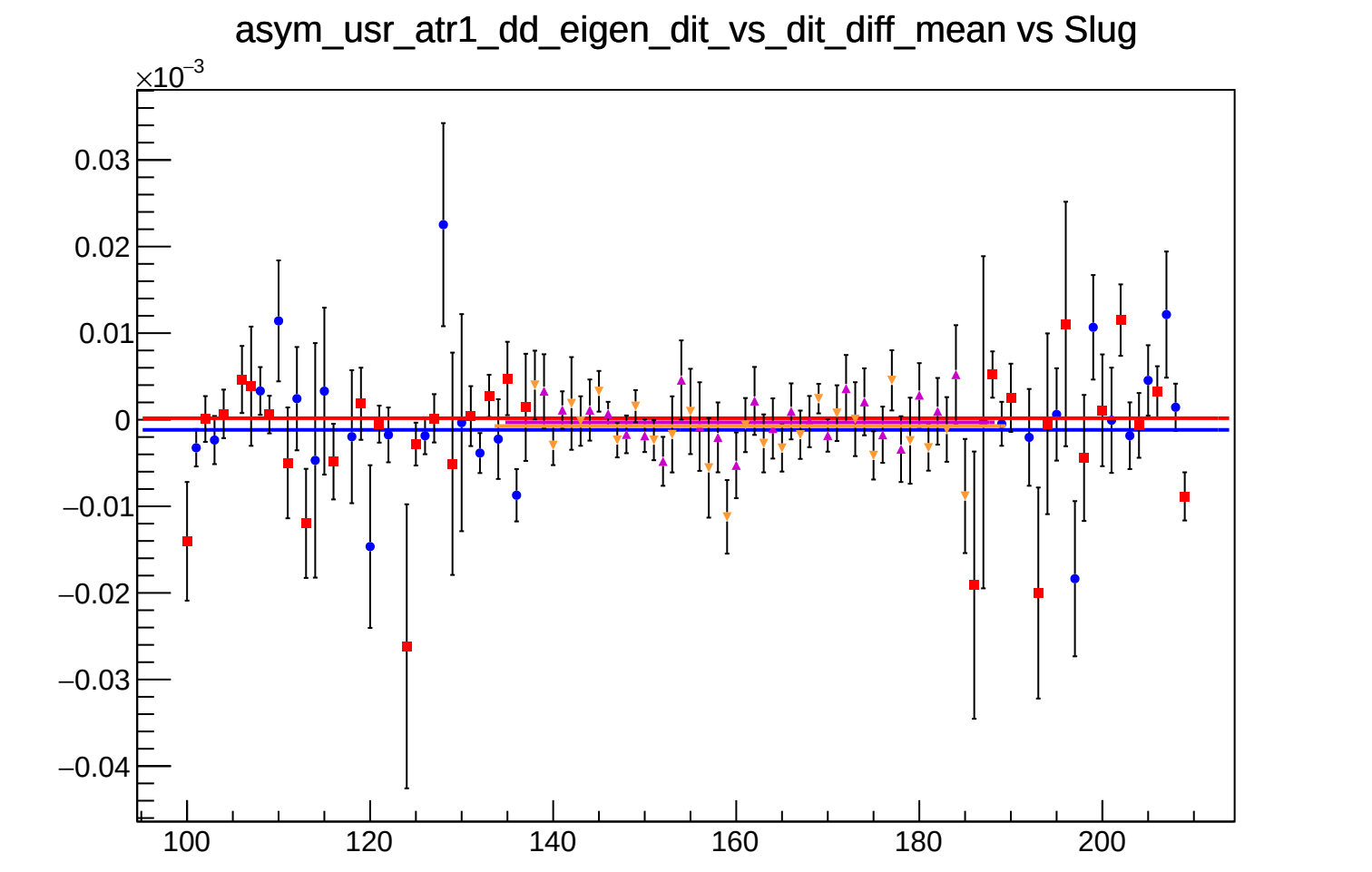
Right Out: 40.472+/-0.008 χ^2/NDF: 4027616.2/30

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953455.5/51

All: 39.537+/-0.004 χ^2/NDF: 10739076.3/105

- sign 39.409+/-0.005 χ^2/NDF: 5784478.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

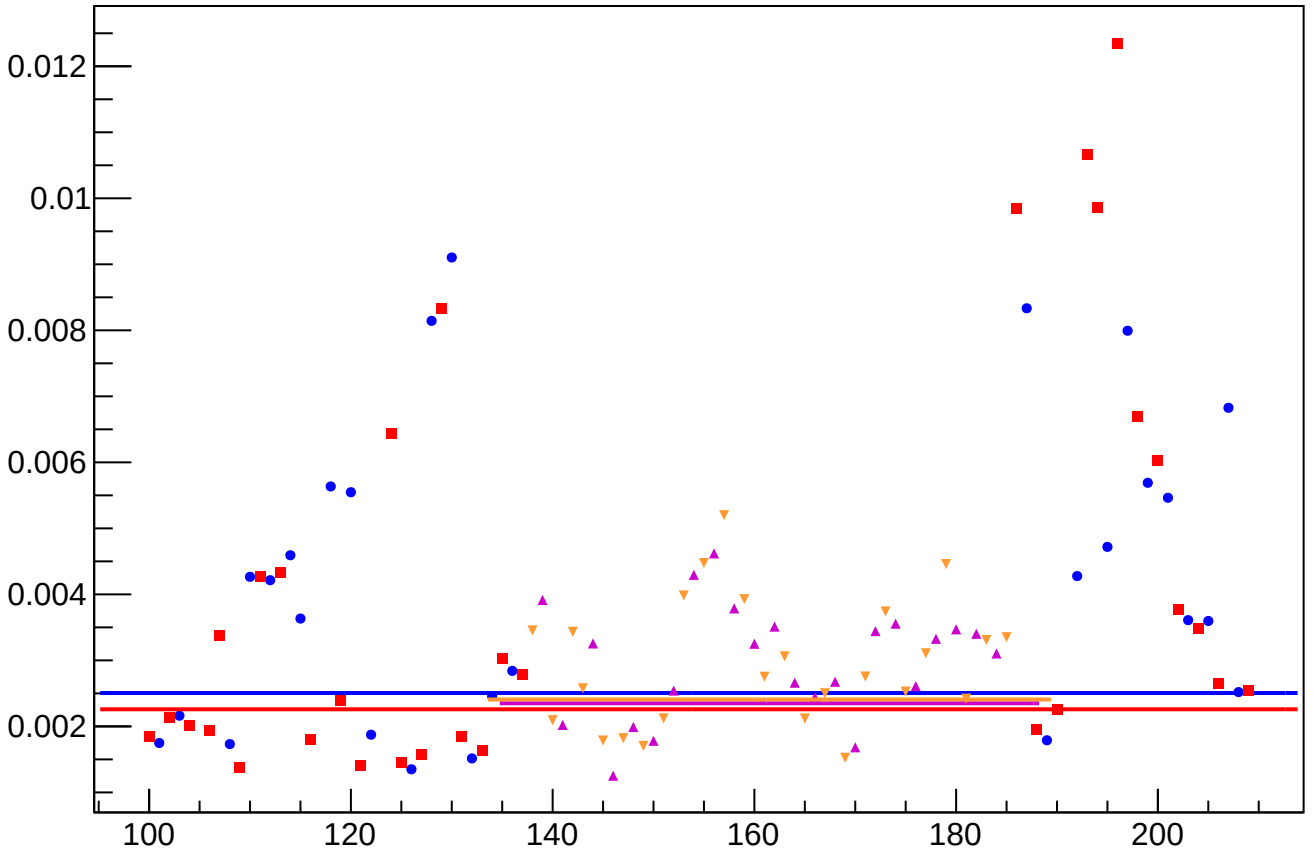
Right Out: 0.000+/-0.000 χ^2/NDF: 46.9/30

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/51

All: -0.000+/-0.000 χ^2/NDF: 124.9/105

- sign -0.000+/-0.000 χ^2/NDF: 61.0/53



Right In: 0.003+/-0.000 χ^2/NDF: 7098561.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

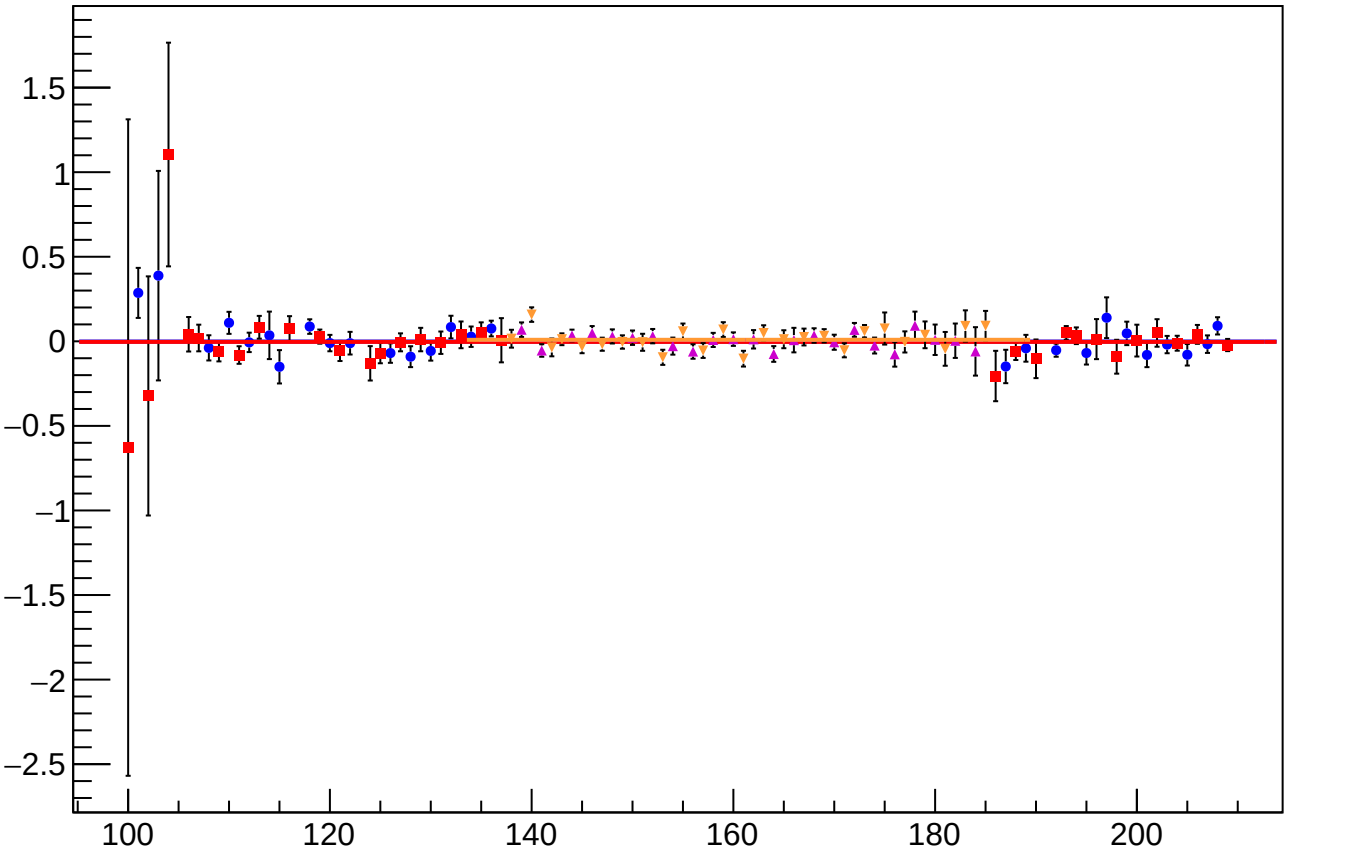
Right Out: 0.002+/-0.000 χ^2/NDF: 7841912.8/30

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 10803369.9/51

All: 0.002+/-0.000 χ^2/NDF: 23193808.1/105

- sign 0.002+/-0.000 χ^2/NDF: 12300960.5/53



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.003+/-0.012 χ^2/NDF: 23.1/30

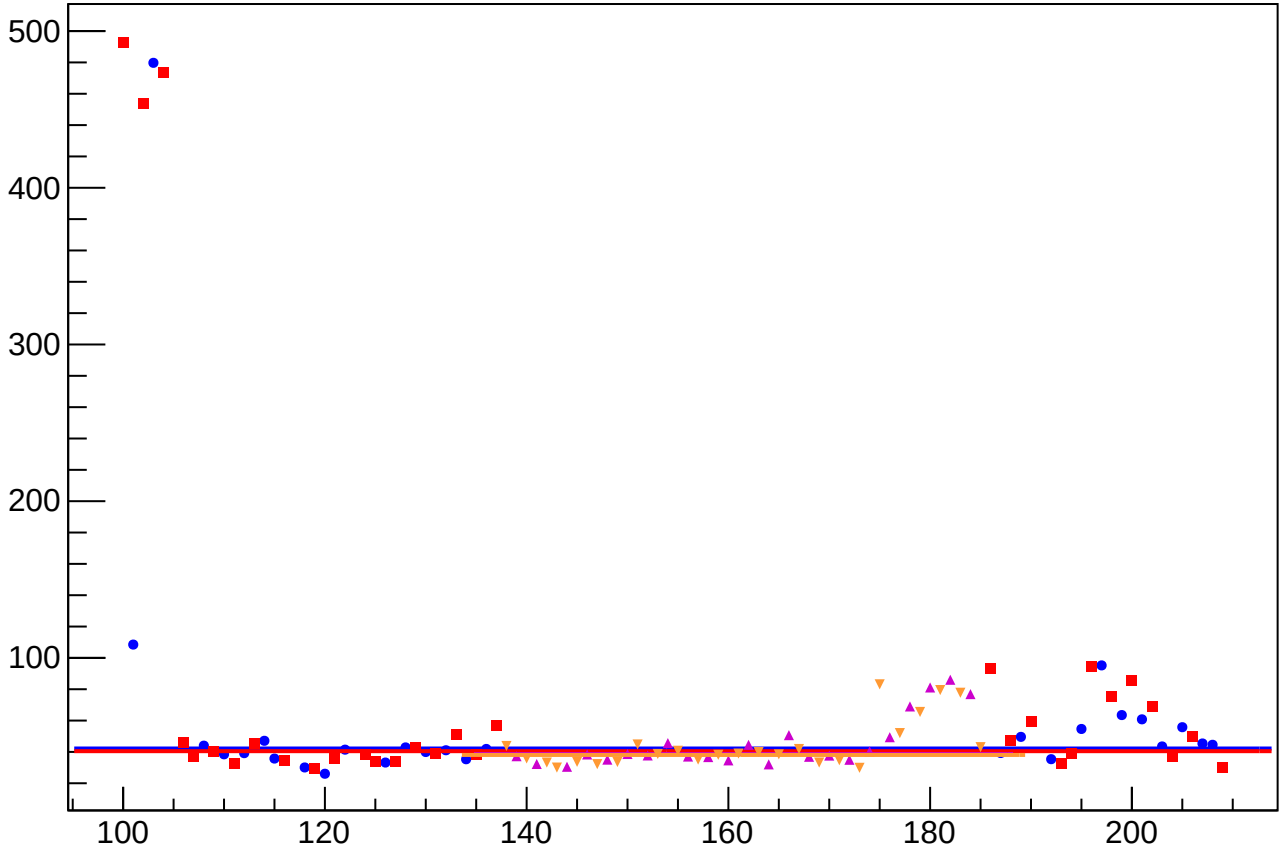
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.004+/-0.005 χ^2/NDF: 117.9/105

- sign 0.003+/-0.008 χ^2/NDF: 42.6/53

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

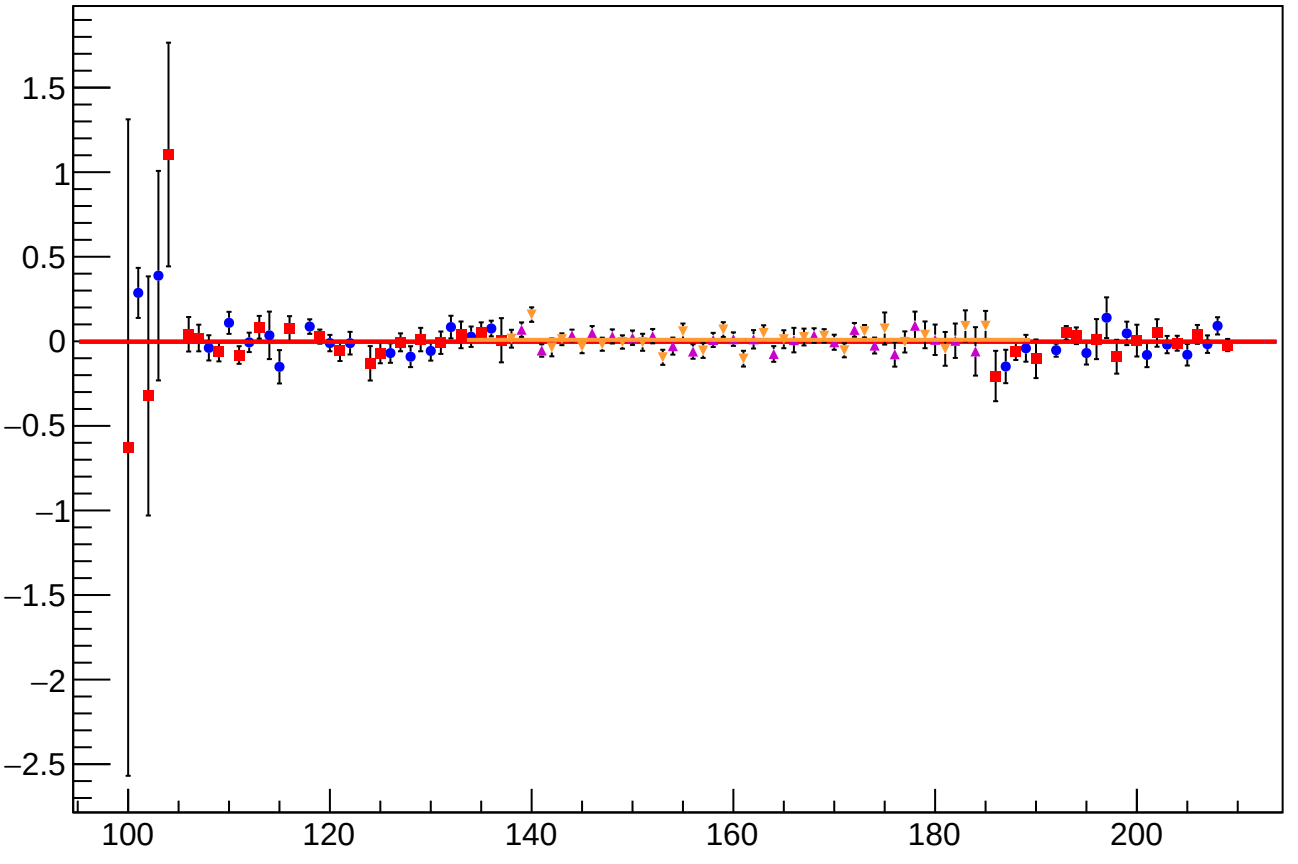
Right Out: 40.469+/-0.008 χ^2/NDF: 4028100.3/30

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953616.1/51

All: 39.536+/-0.004 χ^2/NDF: 10739684.9/105

- sign 39.408+/-0.005 χ^2/NDF: 5784916.1/53



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

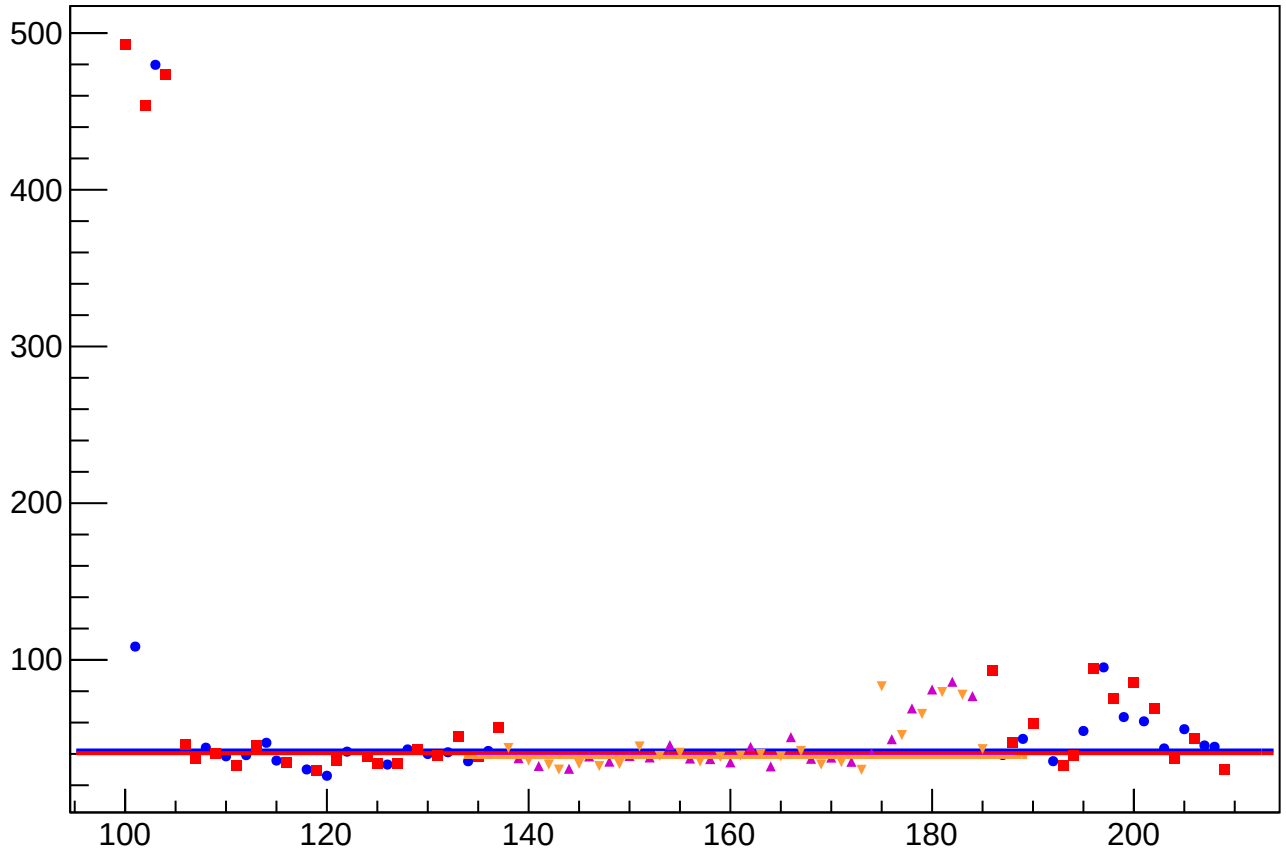
Right Out: -0.003+/-0.012 χ^2/NDF: 23.1/30

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.005+/-0.007 χ^2/NDF: 75.3/51

All: 0.004+/-0.005 χ^2/NDF: 117.9/105

- sign 0.003+/-0.008 χ^2/NDF: 42.6/53



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

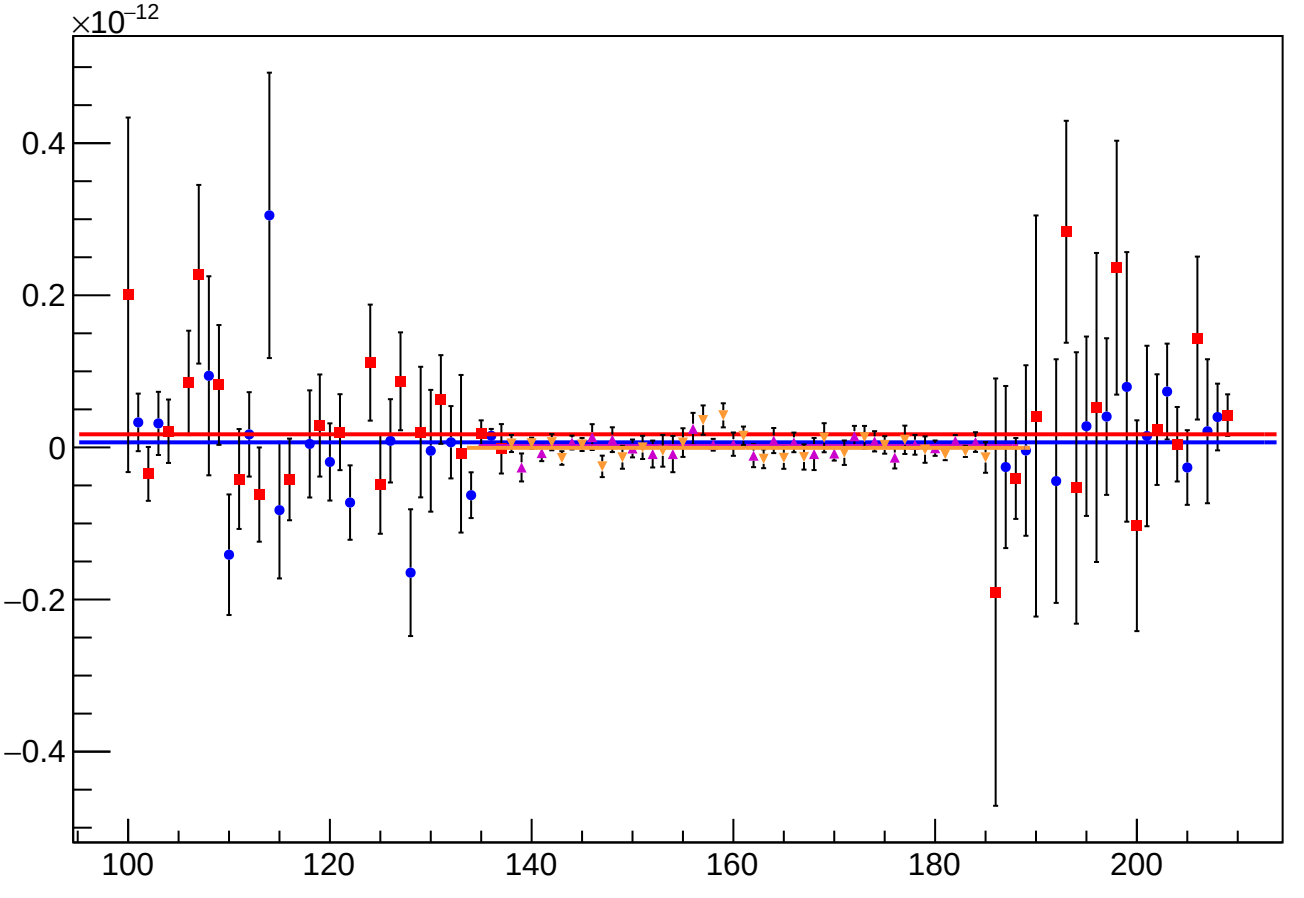
Right Out: 40.469+/-0.008 χ^2/NDF: 4028100.3/30

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.663+/-0.005 χ^2/NDF: 4953616.1/51

All: 39.536+/-0.004 χ^2/NDF: 10739684.9/105

- sign 39.408+/-0.005 χ^2/NDF: 5784916.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

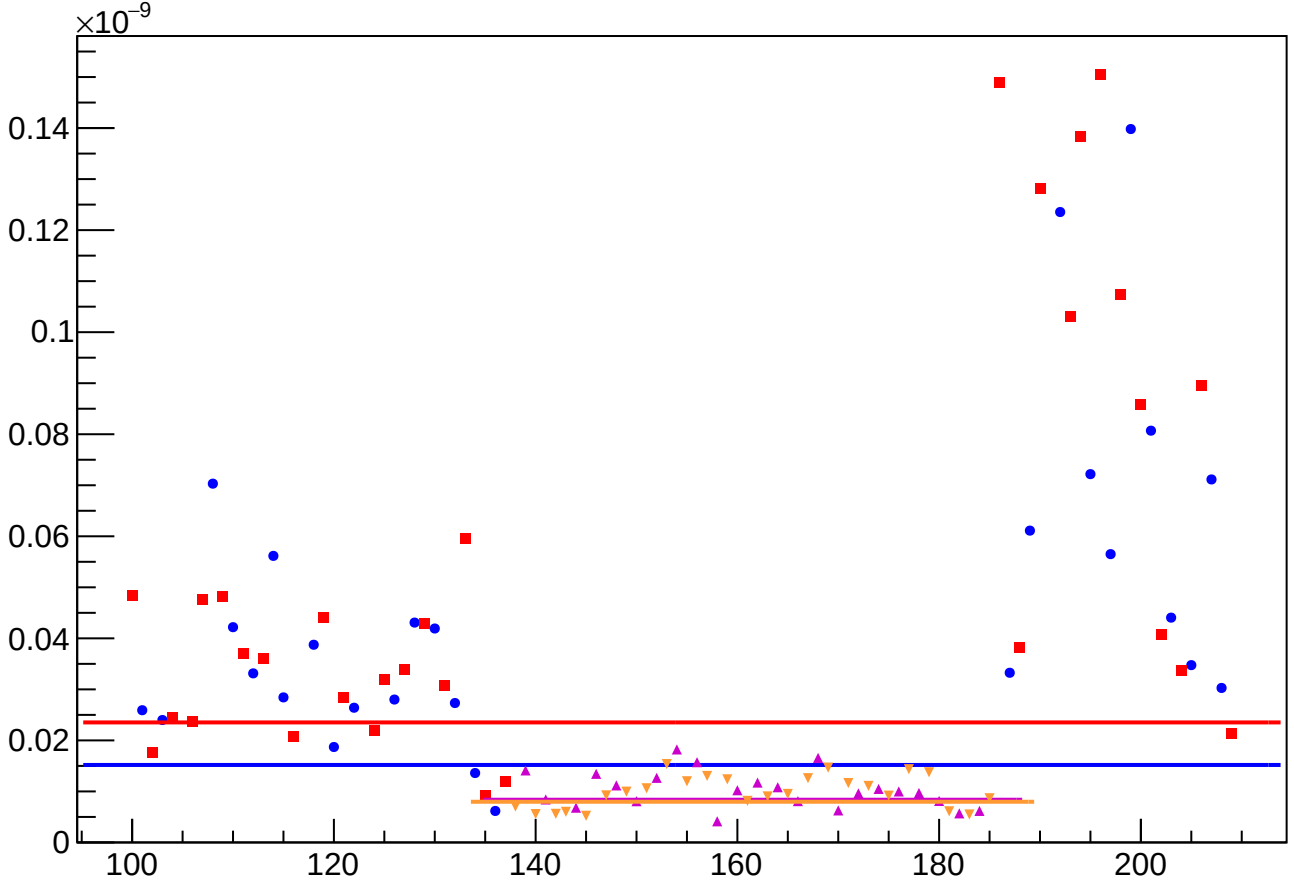
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/30

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/51

All: 0.000+/-0.000 χ^2/NDF: 93.2/105

- sign 0.000+/-0.000 χ^2/NDF: 40.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 9591763.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7843590.3/30

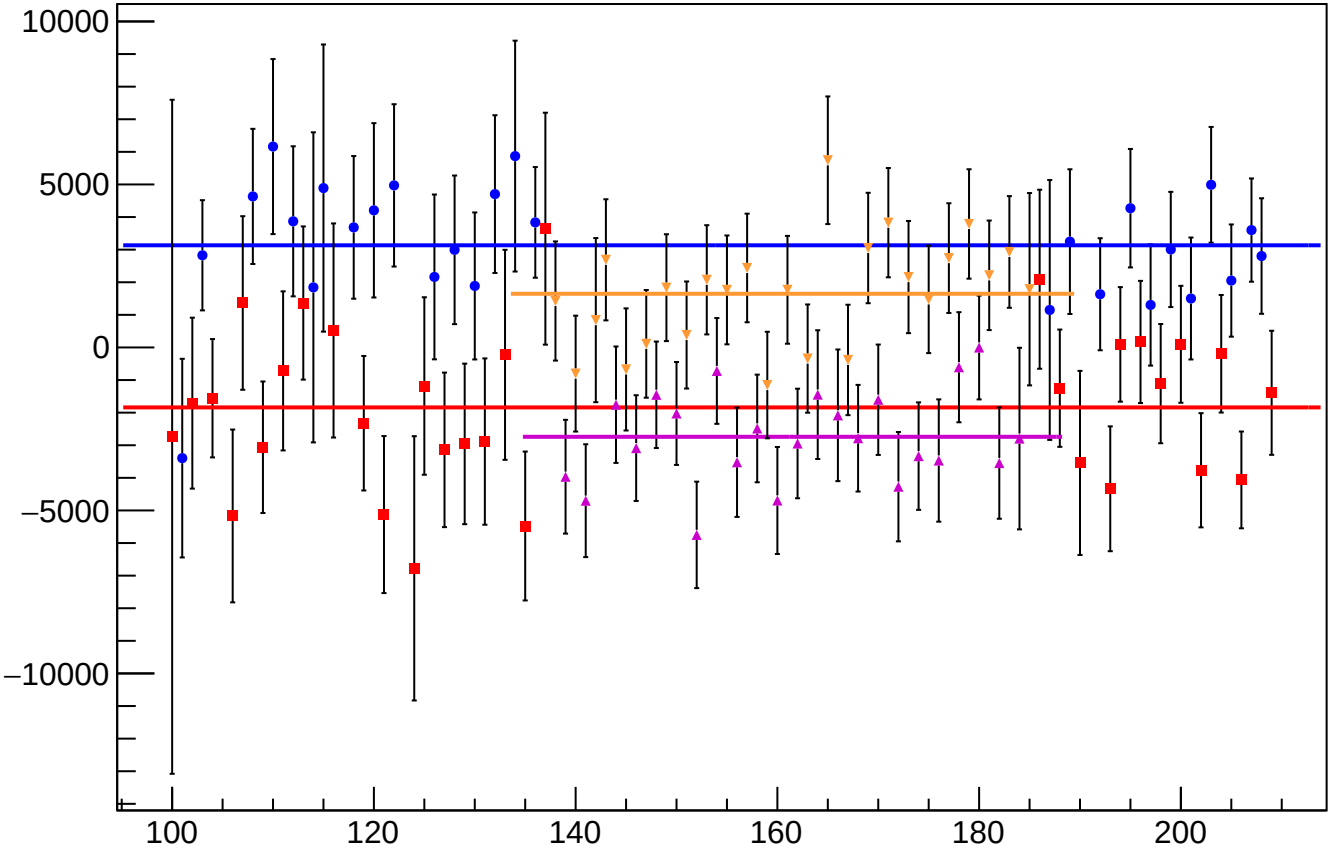
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14224453.4/51

All: 0.000+/-0.000 χ^2/NDF: 29884589.7/105

- sign 0.000+/-0.000 χ^2/NDF: 15560584.4/53

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.724+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1839.224+/-397.844 χ^2/NDF: 27.6/30

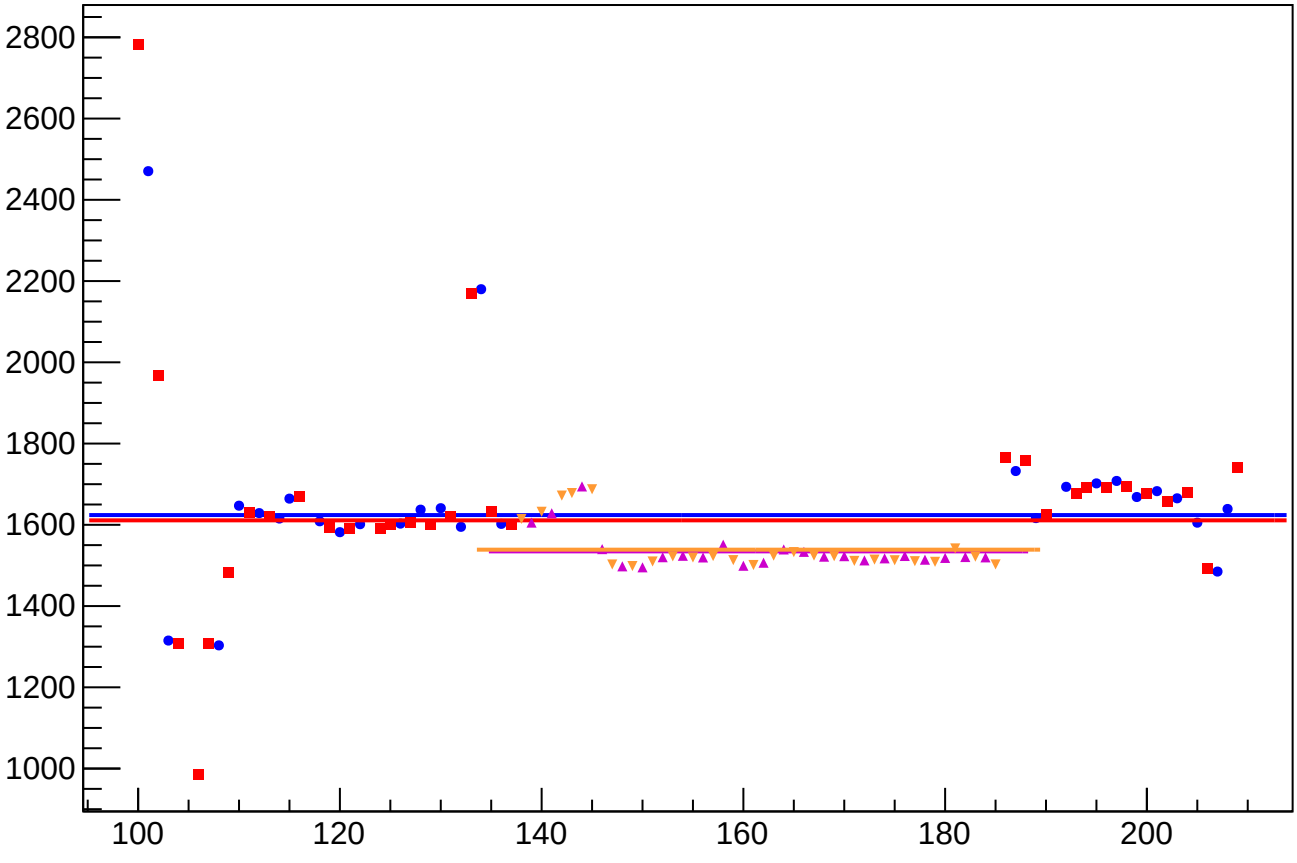
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2272.407+/-266.163 χ^2/NDF: 42.6/51

All: -30.997+/-188.257 χ^2/NDF: 239.3/105

- sign -2336.905+/-266.307 χ^2/NDF: 46.8/53

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987+/-0.290 χ^2/NDF: 353033.7/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1610.983+/-0.279 χ^2/NDF: 465678.5/30

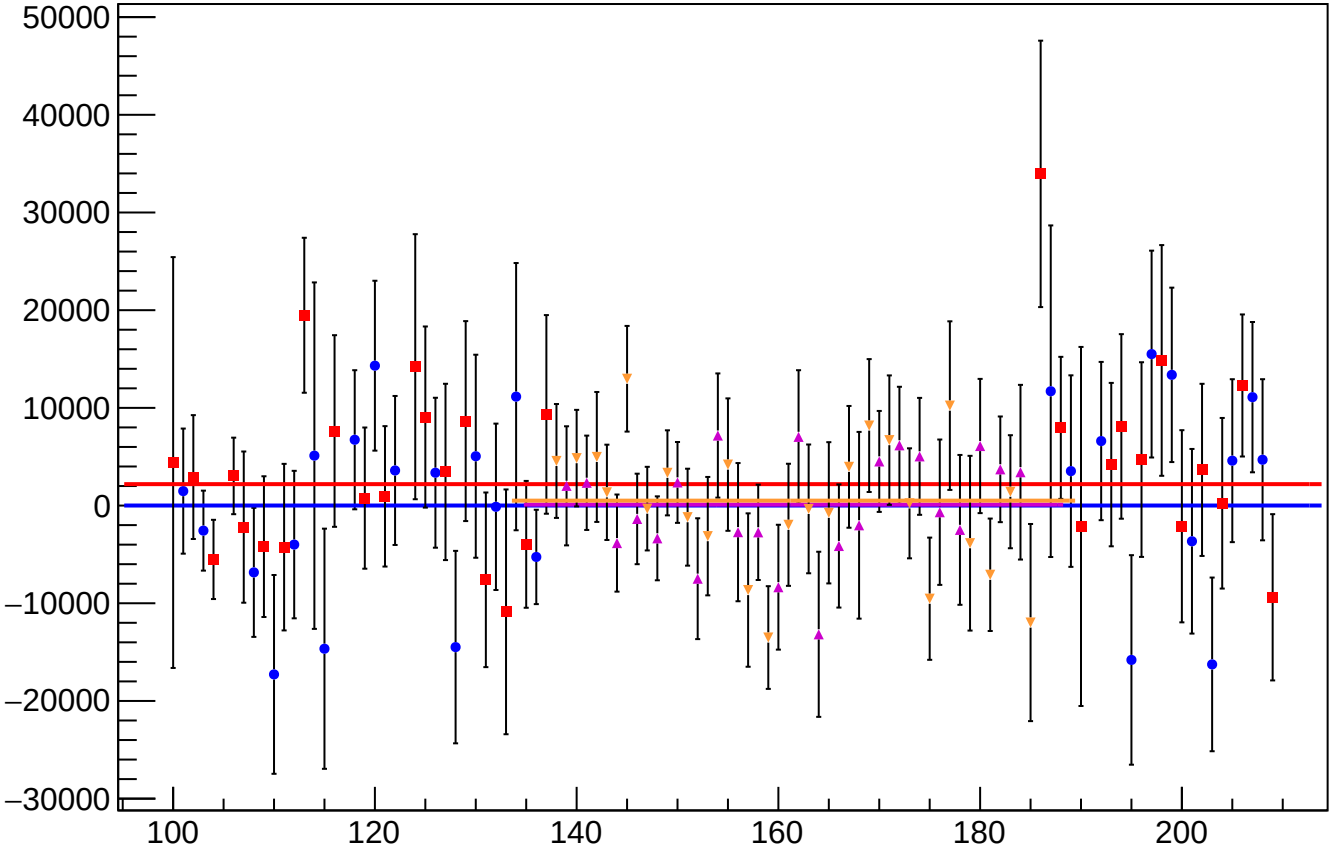
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1574.660+/-0.188 χ^2/NDF: 450014.1/51

All: 1571.885+/-0.133 χ^2/NDF: 988270.8/105

- sign 1569.127+/-0.188 χ^2/NDF: 537823.2/53

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 5.016+/-1539.649 χ^2/NDF: 28.5/26

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2193.400+/-1417.132 χ^2/NDF: 27.7/30

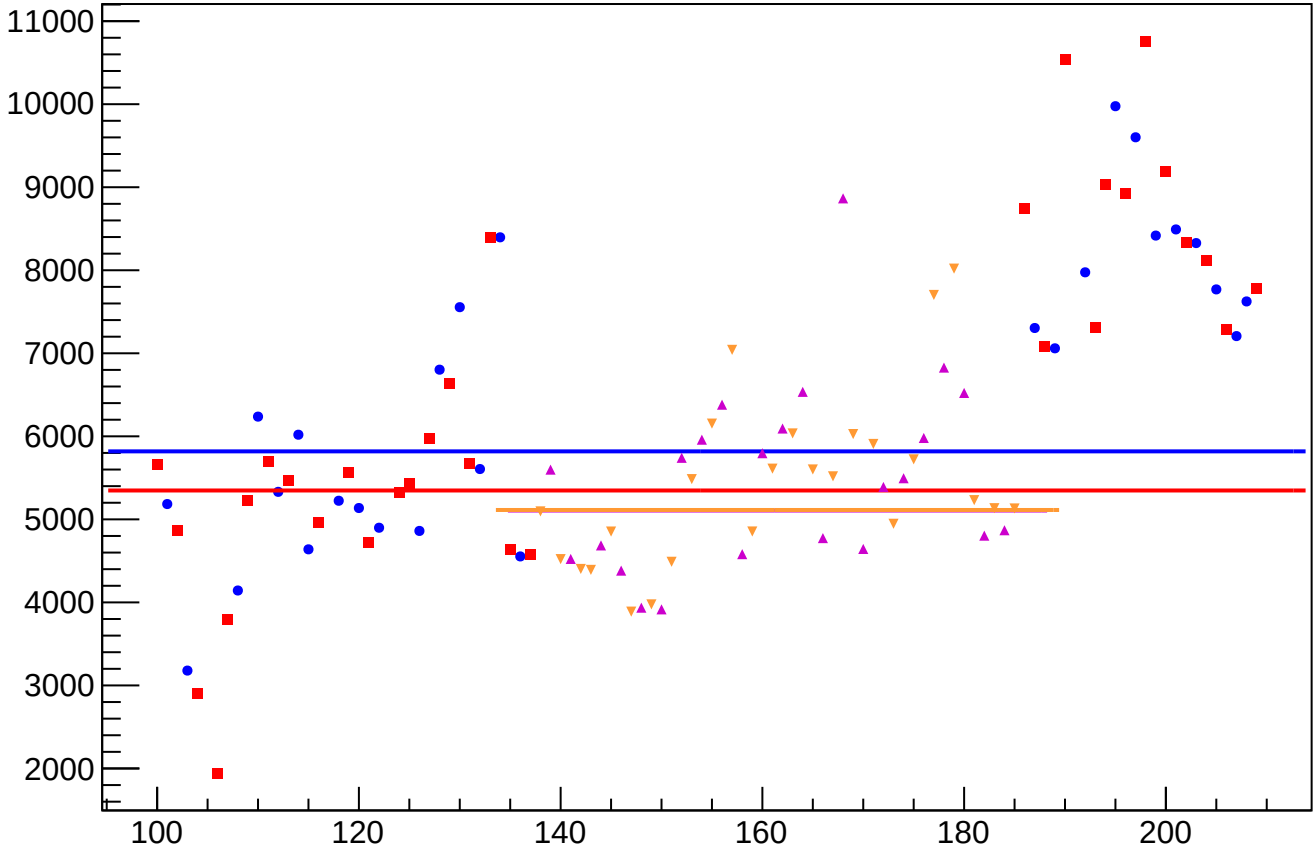
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 317.826+/-940.212 χ^2/NDF: 55.4/51

All: 658.838+/-658.851 χ^2/NDF: 99.5/105

\- sign 987.853+/-923.525 χ^2/NDF: 43.9/53

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5818.908+/-1.089 χ^2/NDF: 2886902.1/26

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5347.783+/-1.002 χ^2/NDF: 5087695.5/30

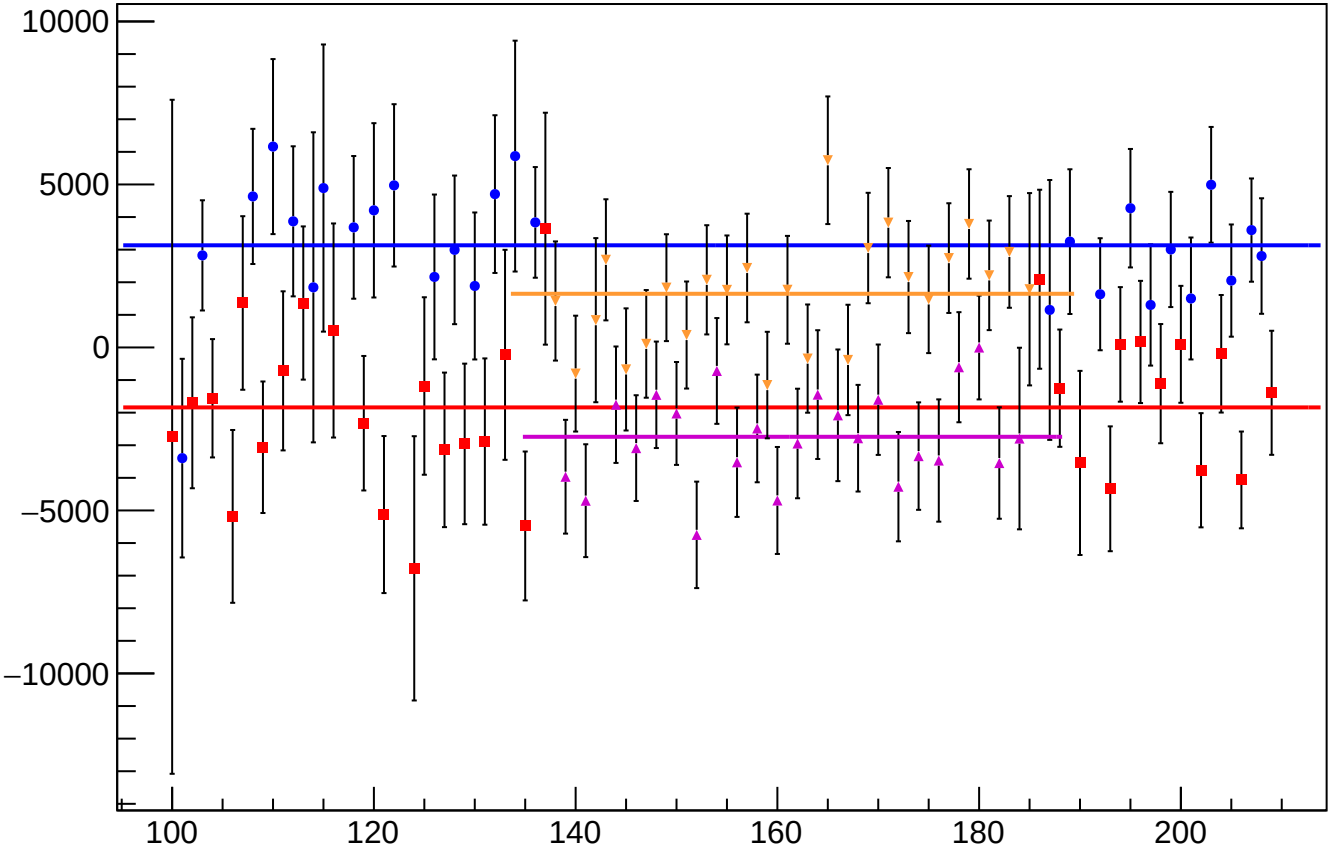
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5376.213+/-0.665 χ^2/NDF: 4309586.4/51

All: 5291.062+/-0.466 χ^2/NDF: 10714522.8/1

- sign 5208.906+/-0.653 χ^2/NDF: 6372704.4/53

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1839.225+/-397.845 χ^2/NDF: 27.6/30

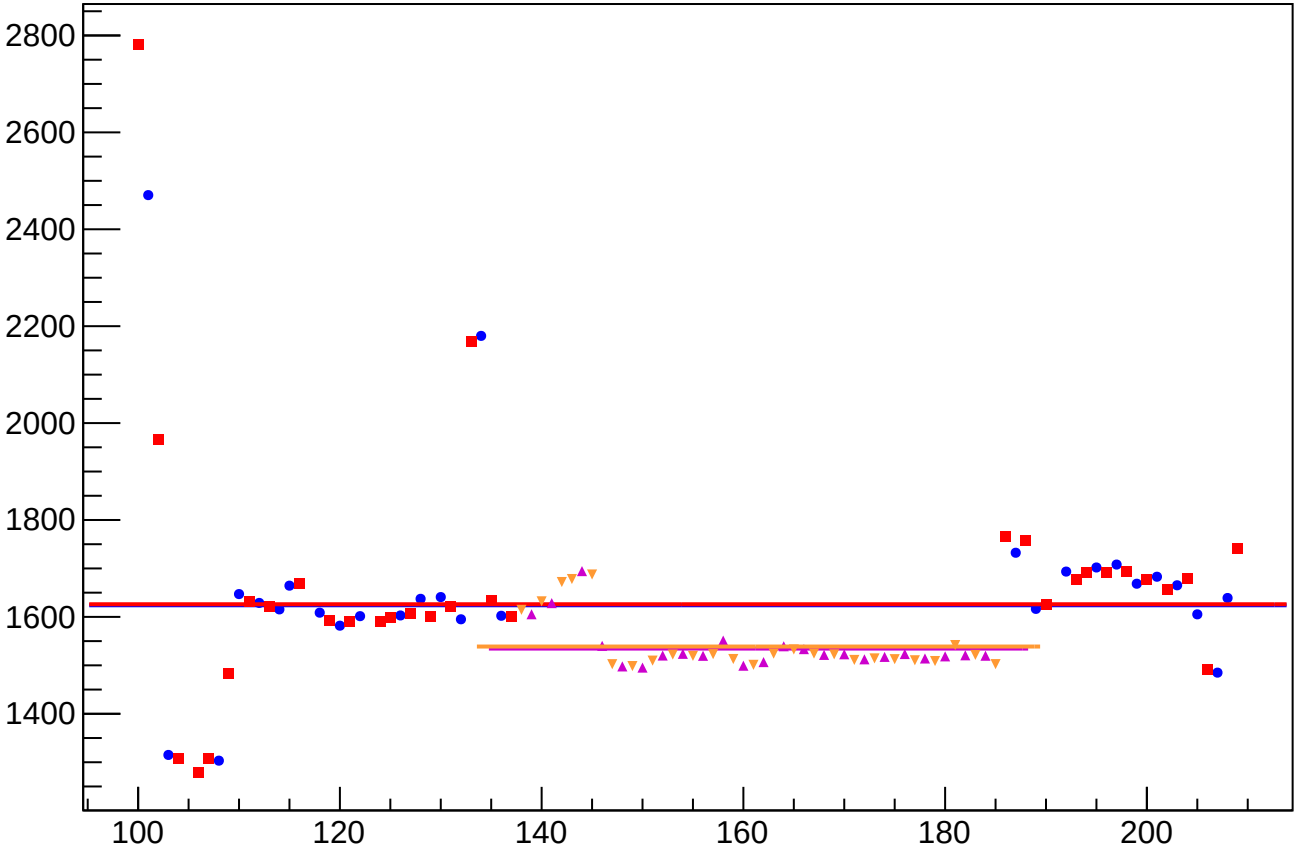
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2272.298+/-266.163 χ^2/NDF: 42.6/51

All: -31.023+/-188.257 χ^2/NDF: 239.3/105

- sign -2336.853+/-266.308 χ^2/NDF: 46.9/53

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.091+/-0.281 χ^2/NDF: 310942.5/30

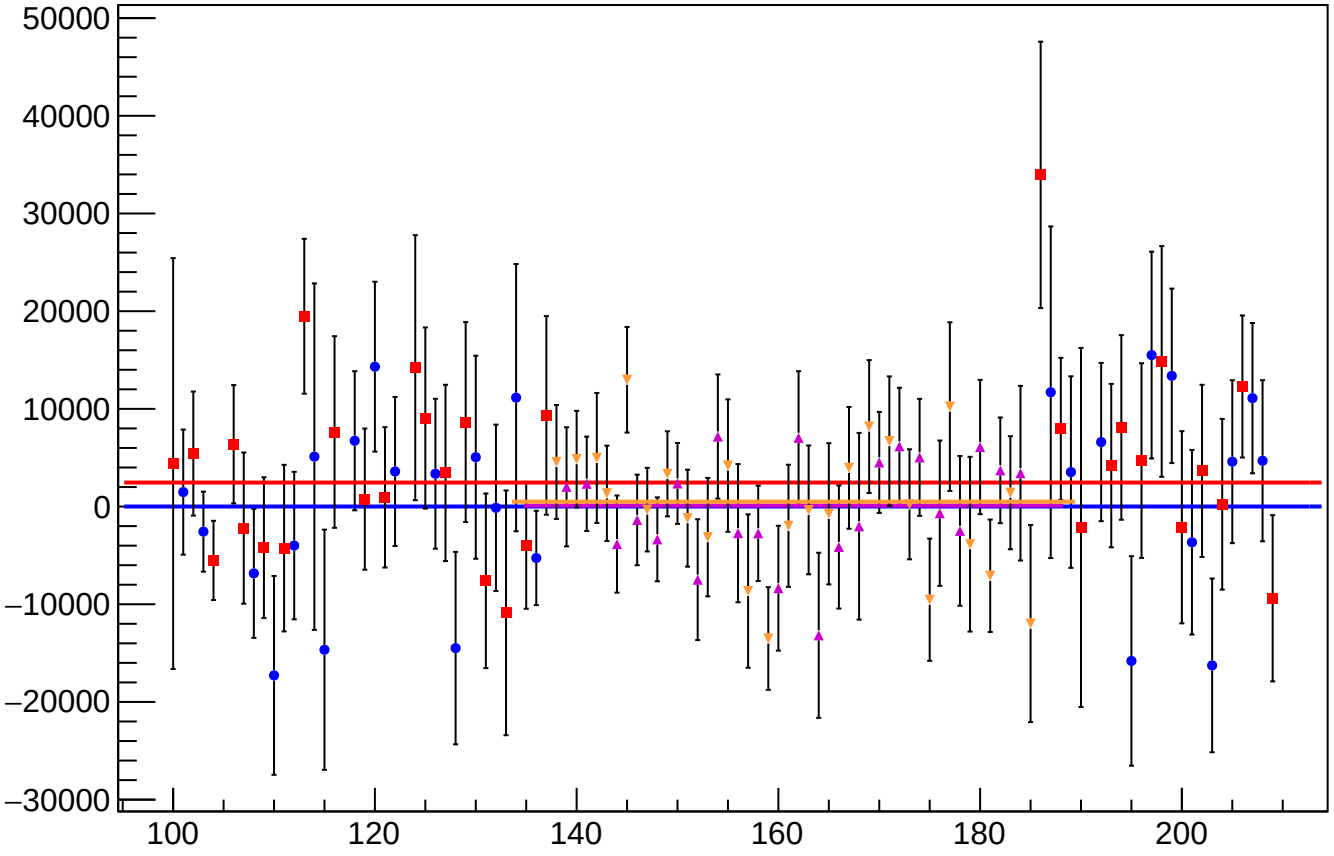
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1574.660+/-0.188 χ^2/NDF: 450013.3/51

All: 1575.172+/-0.133 χ^2/NDF: 850566.9/105

- sign 1575.684+/-0.188 χ^2/NDF: 400538.8/53

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2457.606+/-1474.528 χ^2/NDF: 28.4/30

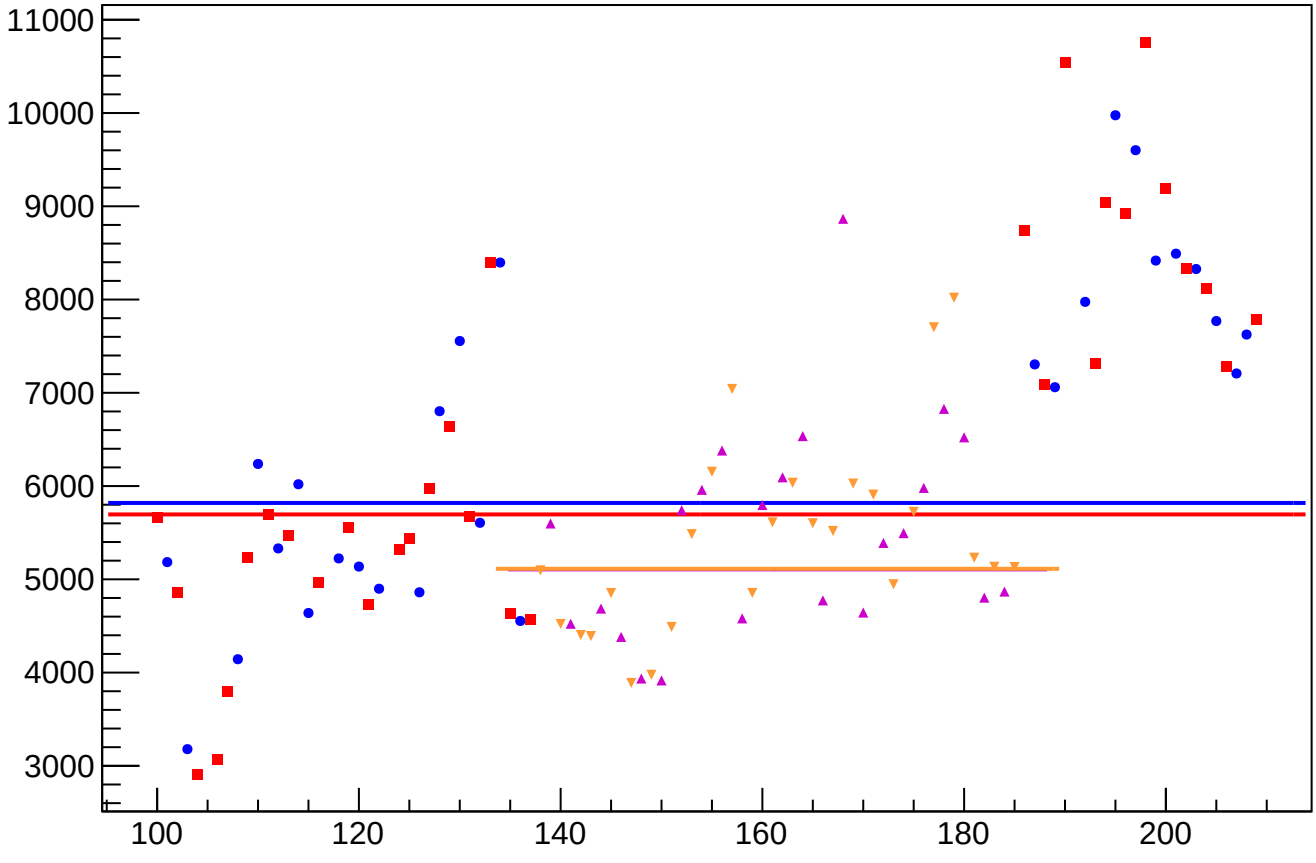
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 317.807+/-940.216 χ^2/NDF: 55.4/51

All: 686.725+/-664.356 χ^2/NDF: 100.5/105

\- sign 1054.587+/-938.869 χ^2/NDF: 44.8/53

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5695.827+/-1.043 χ^2/NDF: 3744709.4/30

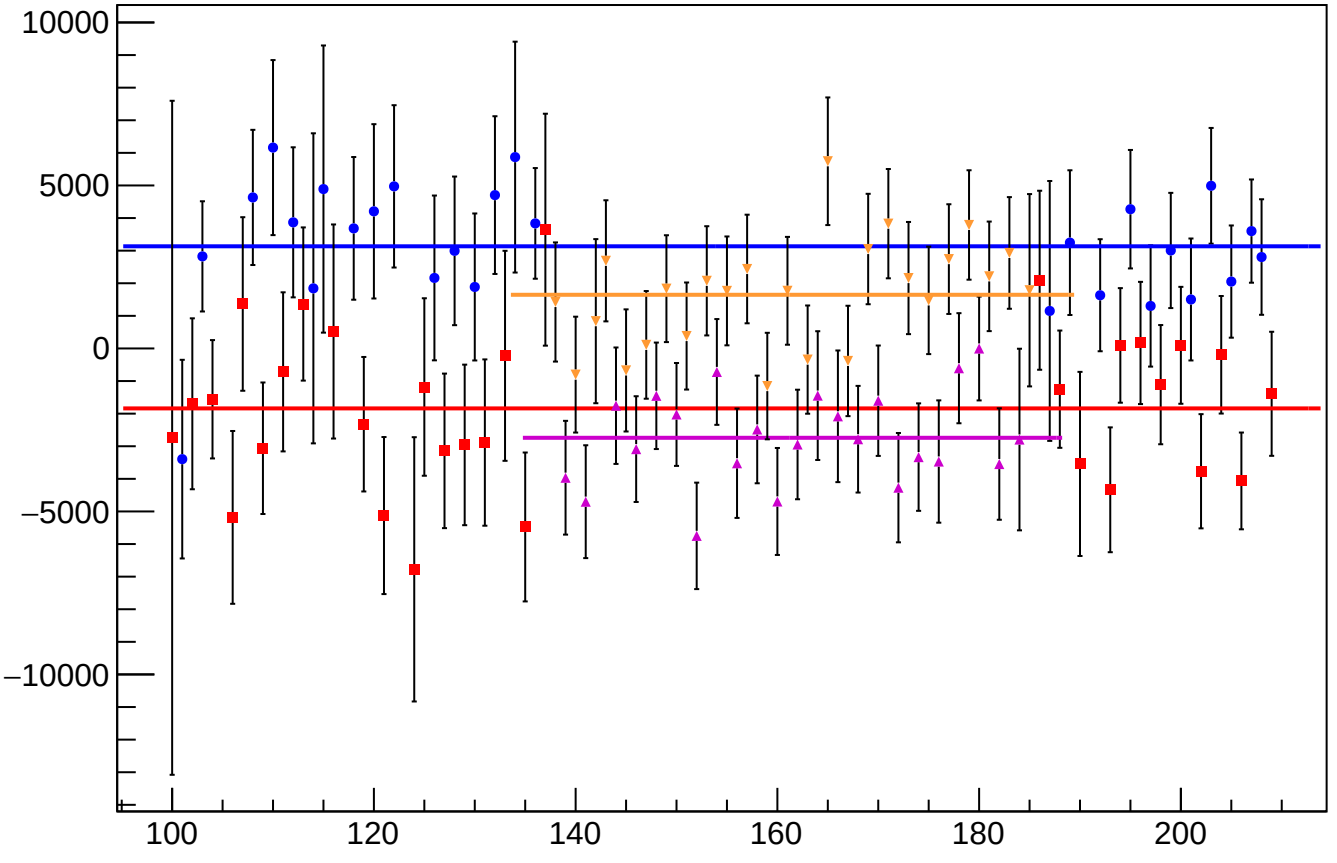
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5376.250+/-0.665 χ^2/NDF: 4309312.8/51

All: 5360.780+/-0.470 χ^2/NDF: 9496755.1/10

- sign 5345.355+/-0.664 χ^2/NDF: 5186361.0/53

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1839.225+/-397.845 χ^2/NDF: 27.6/30

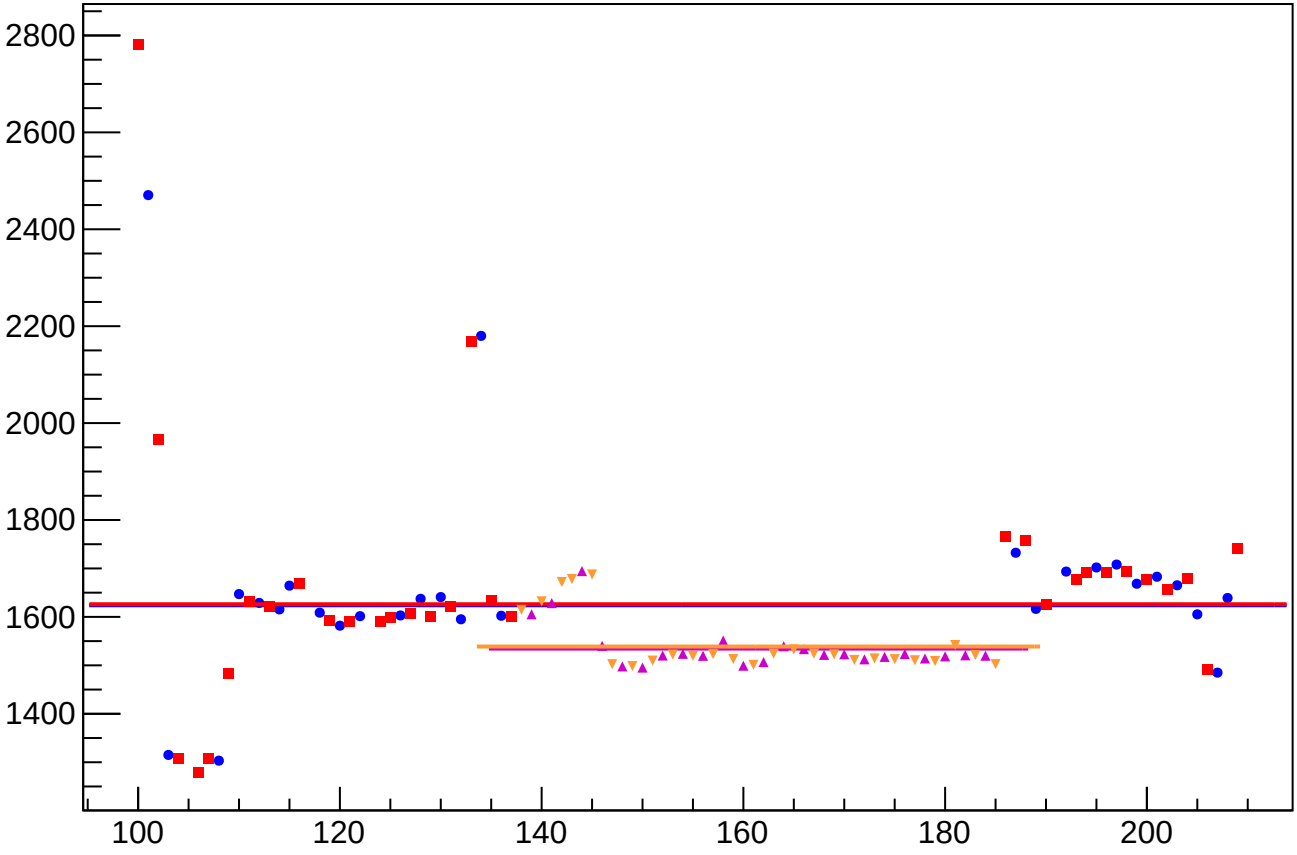
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2272.298+/-266.163 χ^2/NDF: 42.6/51

All: -31.023+/-188.257 χ^2/NDF: 239.3/105

- sign -2336.853+/-266.308 χ^2/NDF: 46.9/53

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

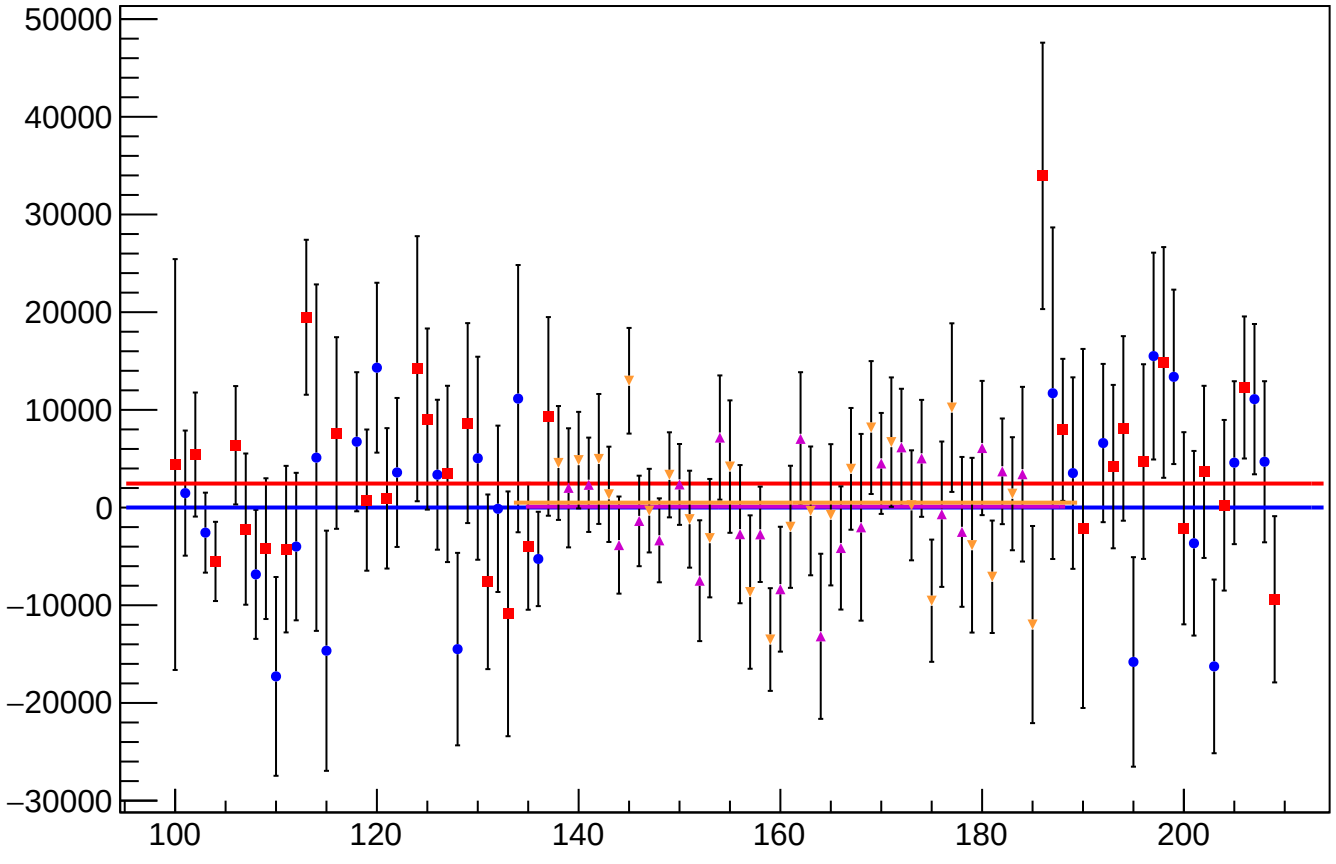
Right Out: 1626.091+/-0.281 χ^2/NDF: 310942.5/30

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1574.660+/-0.188 χ^2/NDF: 450013.3/51

All: 1575.172+/-0.133 χ^2/NDF: 850566.9/105

- sign 1575.684+/-0.188 χ^2/NDF: 400538.8/53



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2457.606+/-1474.528 χ^2/NDF: 28.4/30

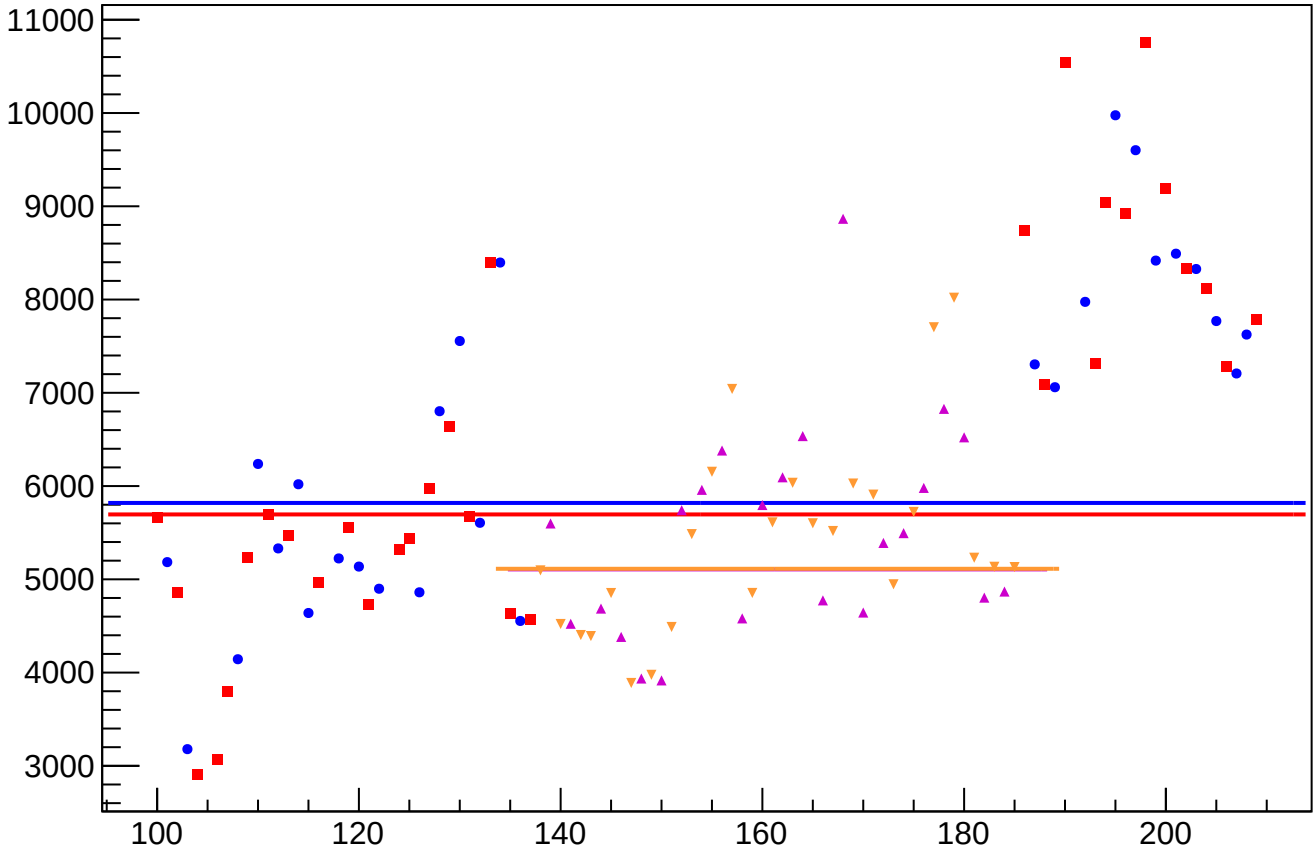
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 317.807+/-940.216 χ^2/NDF: 55.4/51

All: 686.725+/-664.356 χ^2/NDF: 100.5/105

- sign 1054.587+/-938.869 χ^2/NDF: 44.8/53

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

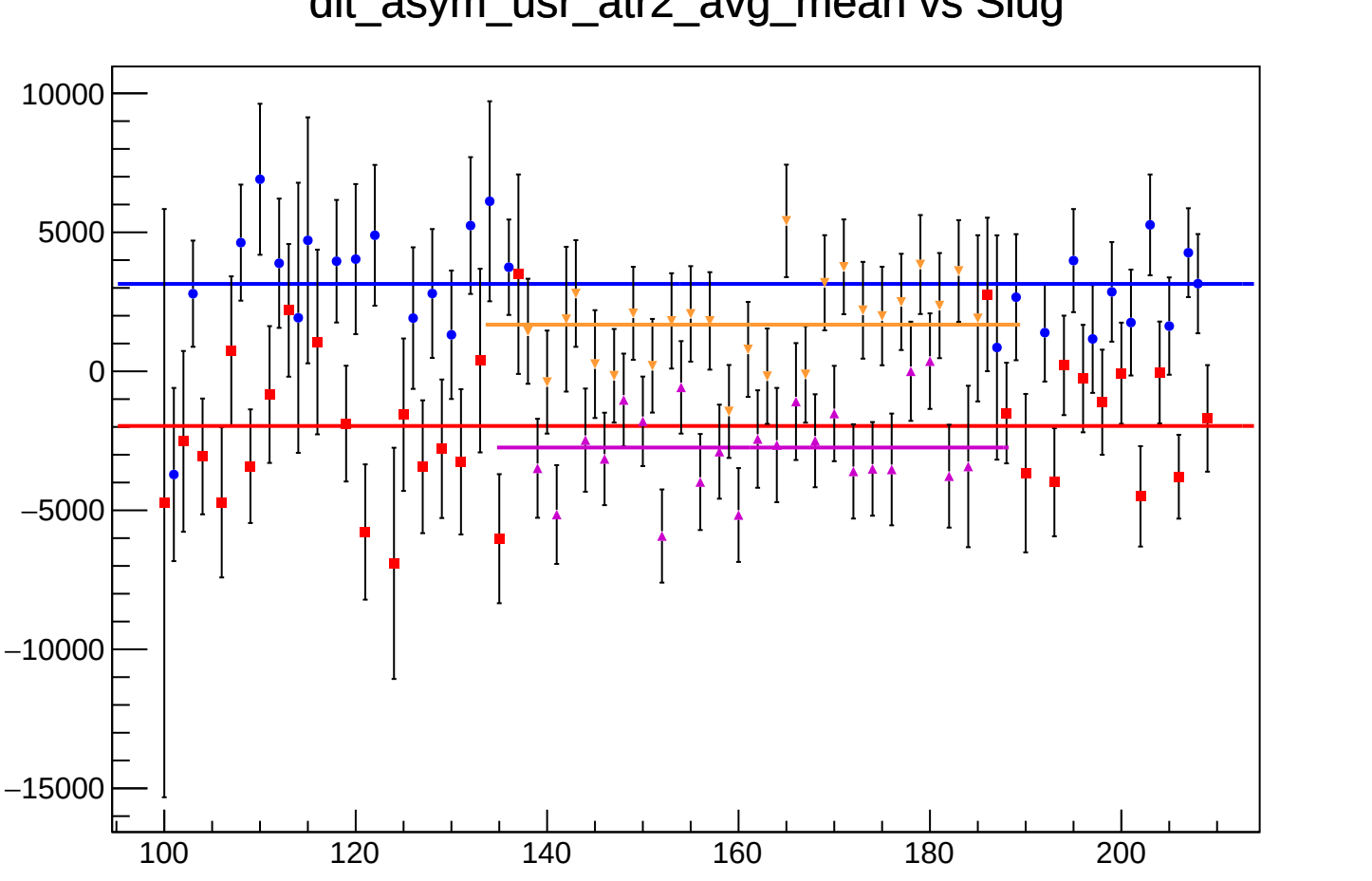
Right Out: 5695.827+/-1.043 χ^2/NDF: 3744709.4/30

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

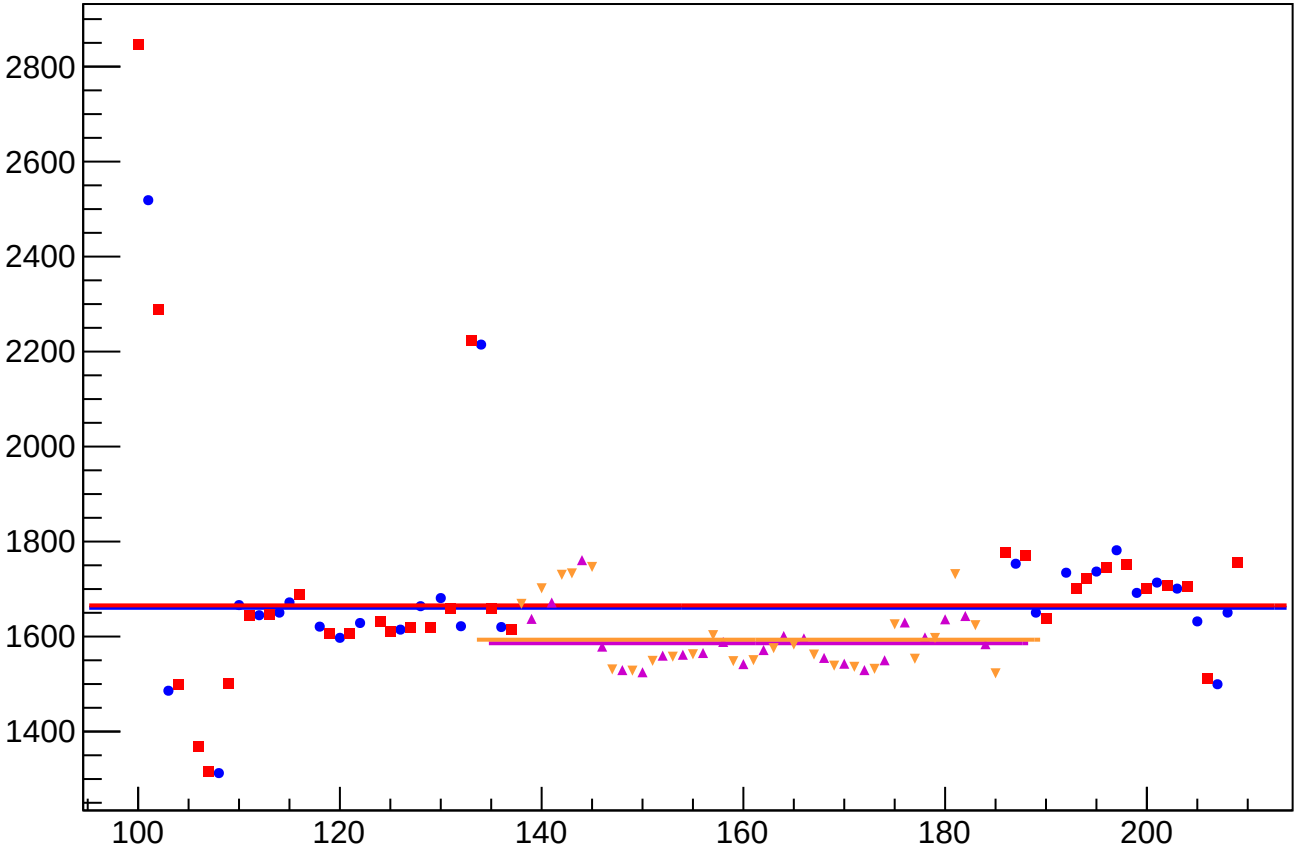
+ sign 5376.250+/-0.665 χ^2/NDF: 4309312.8/51

All: 5360.780+/-0.470 χ^2/NDF: 9496755.1/10

- sign 5345.355+/-0.664 χ^2/NDF: 5186361.0/53


dit_asym_usr_atr2_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 3144.311+/-419.342 χ²/NDF: 16.5/26
Left Out: 1679.163+/-362.391 χ²/NDF:19.0/24
Right Out: -1965.345+/-407.803 χ²/NDF: 30.1/30
Left In: -2740.666+/-370.604 χ²/NDF:19.2/22
+ sign 2305.561+/-274.191 χ²/NDF: 42.4/51
All: -41.556+/-193.909 χ²/NDF: 240.3/105
- sign -2389.972+/-274.267 χ²/NDF: 51.2/53

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1660.576+/-0.297 χ^2/NDF: 316046.4/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

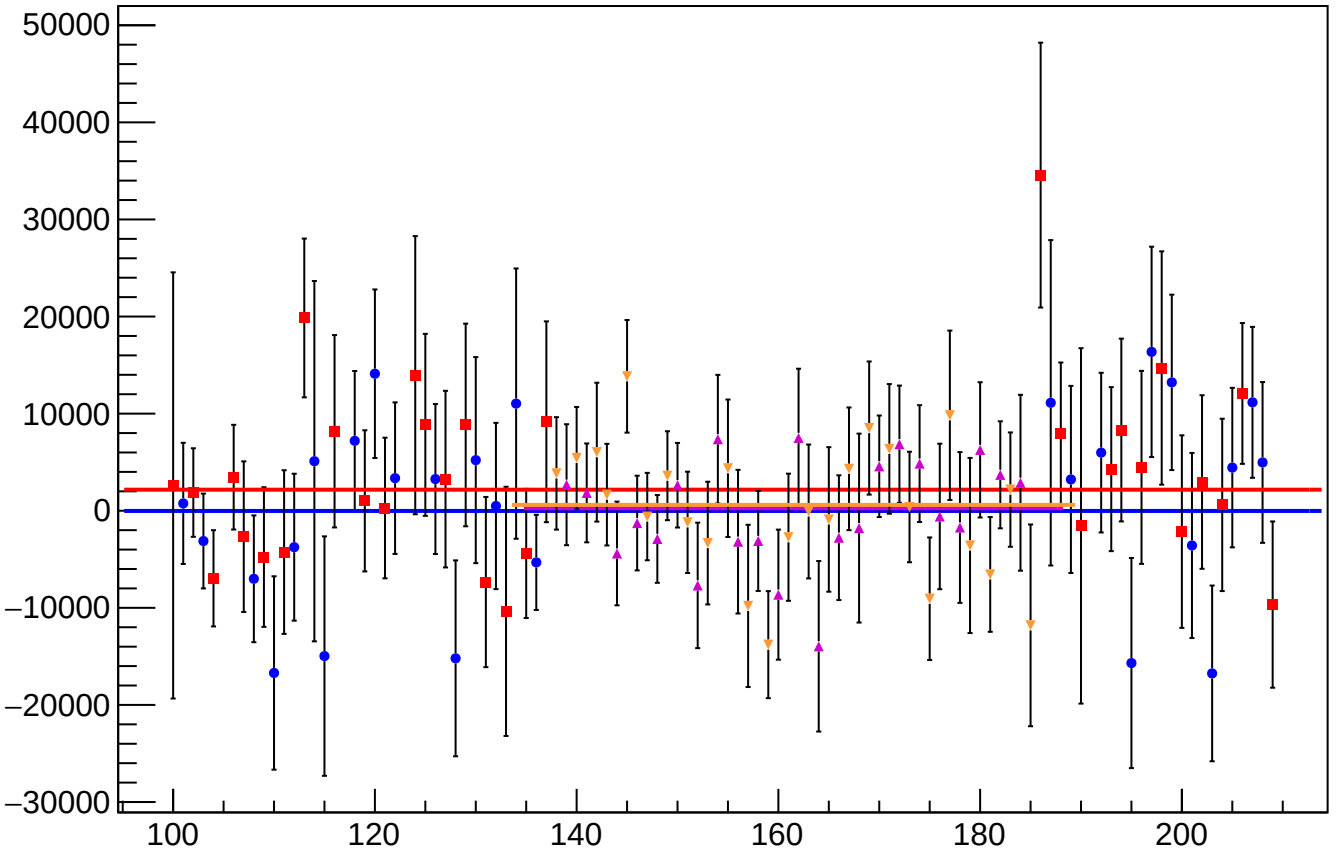
Right Out: 1665.590+/-0.288 χ^2/NDF: 294032.5/30

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1622.113+/-0.194 χ^2/NDF: 417314.8/51

All: 1622.042+/-0.137 χ^2/NDF: 795089.3/105

- sign 1621.971+/-0.194 χ^2/NDF: 377774.2/53



Right In: -21.846+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2168.903+/-1467.271 χ^2/NDF: 27.6/30

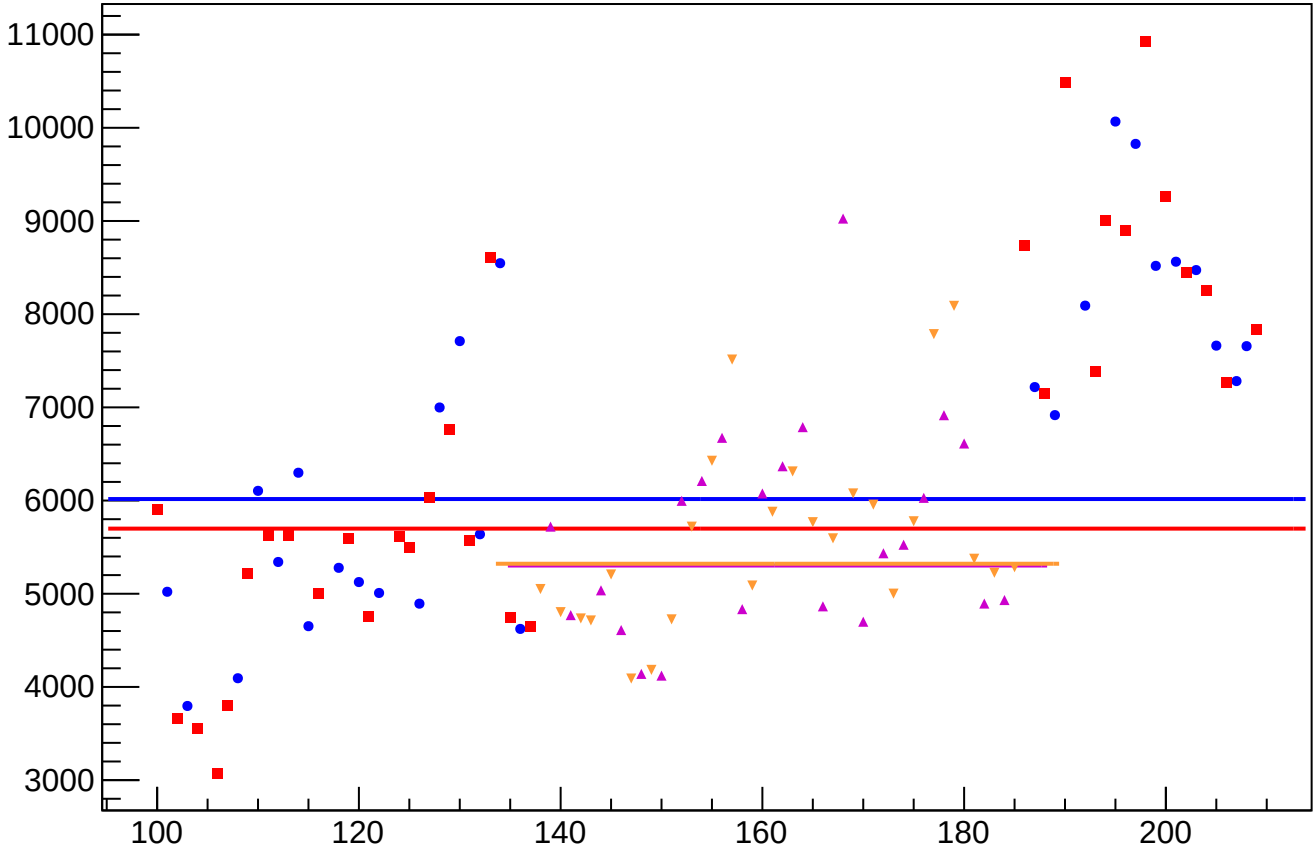
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 365.610+/-972.288 χ^2/NDF: 54.5/51

All: 723.259+/-682.059 χ^2/NDF: 98.0/105

\- sign 1069.785+/-957.047 χ^2/NDF: 43.2/53

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6016.301+/-1.117 χ^2/NDF: 2436764.9/26

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5698.877+/-1.038 χ^2/NDF: 3667503.3/30

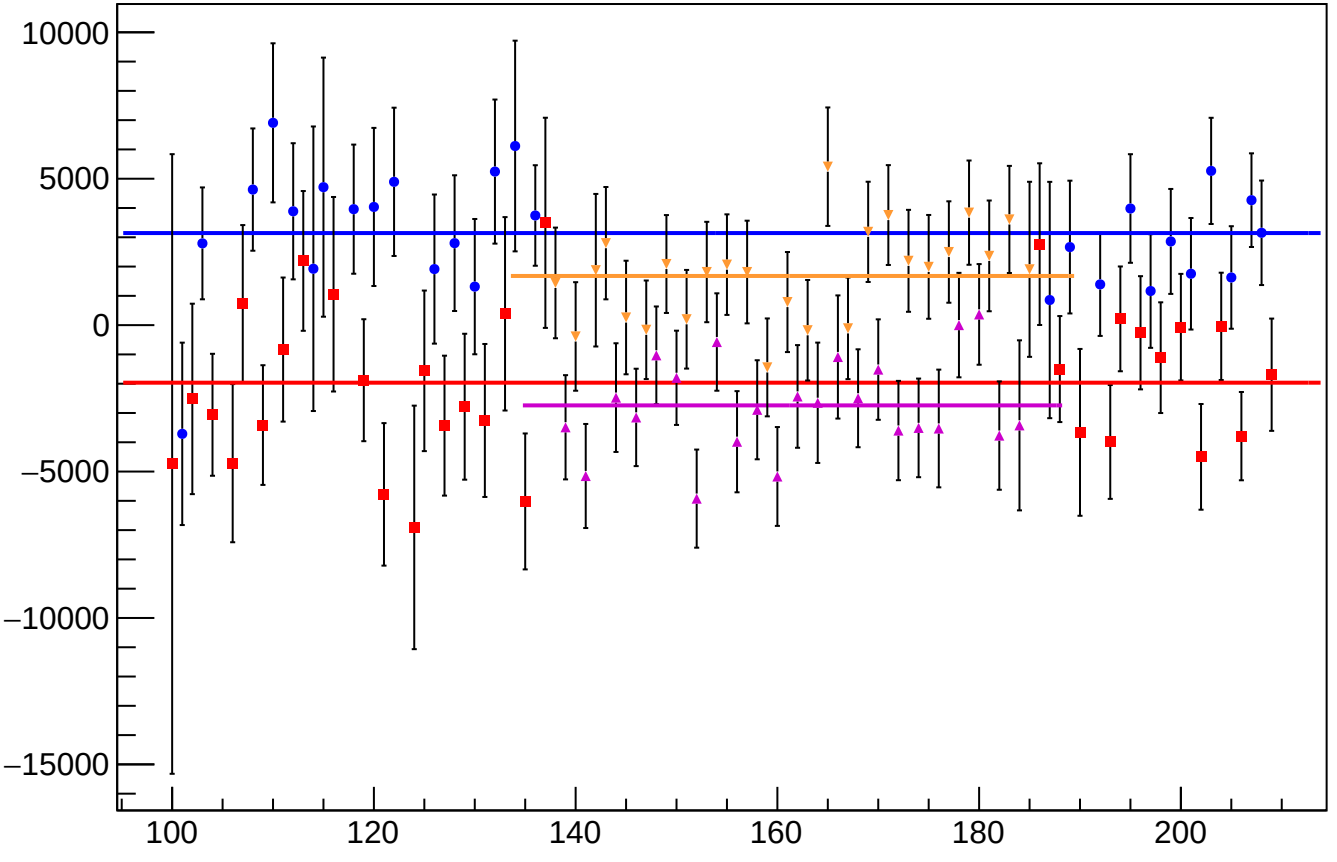
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5584.936+/-0.688 χ^2/NDF: 3713772.7/51

All: 5527.240+/-0.482 χ^2/NDF: 8631230.9/10

- sign 5471.338+/-0.677 χ^2/NDF: 4903592.0/53

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3144.309+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1965.345+/-407.803 χ^2/NDF: 30.1/30

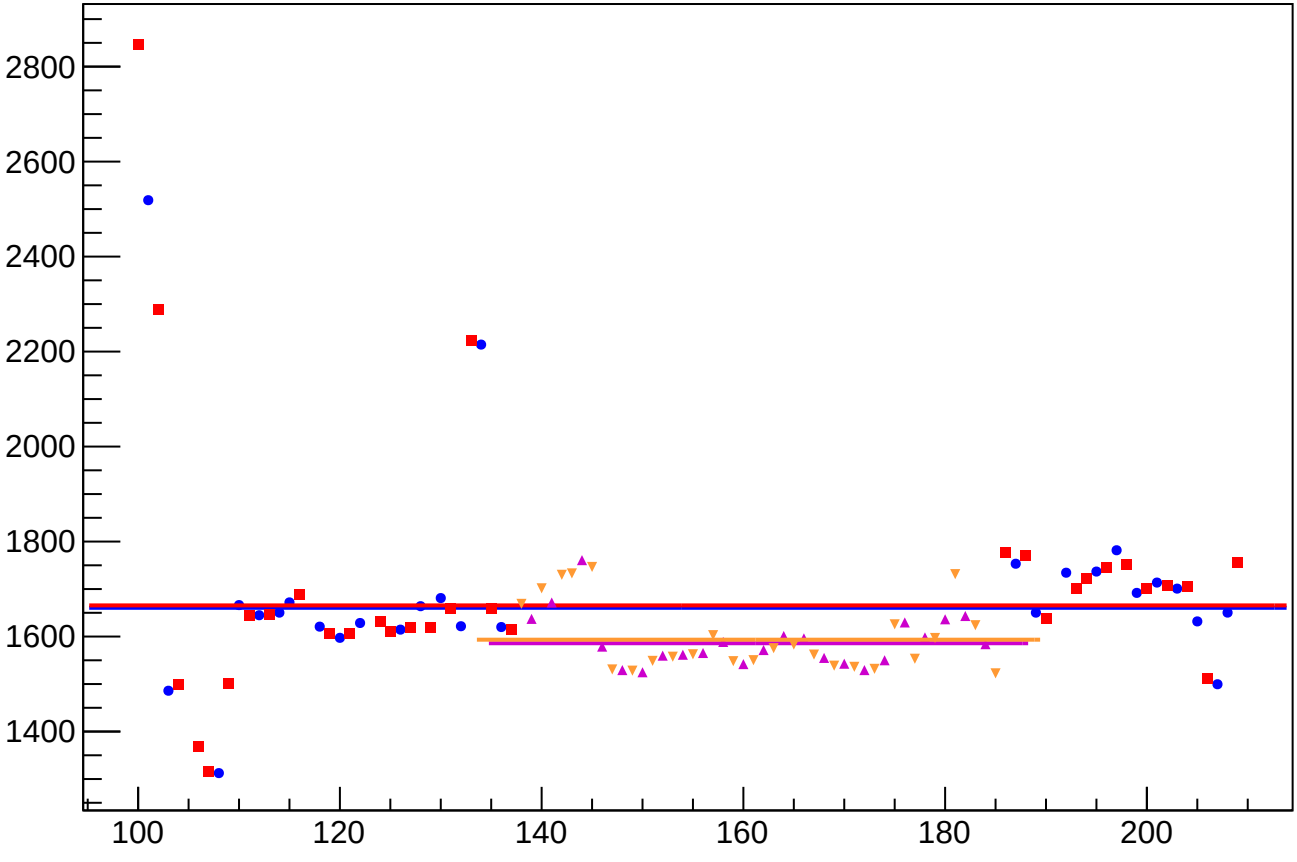
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2305.557+/-274.191 χ^2/NDF: 42.4/51

All: -41.557+/-193.909 χ^2/NDF: 240.3/105

- sign -2389.972+/-274.267 χ^2/NDF: 51.2/53

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1660.575+/-0.297 χ^2/NDF: 316046.6/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

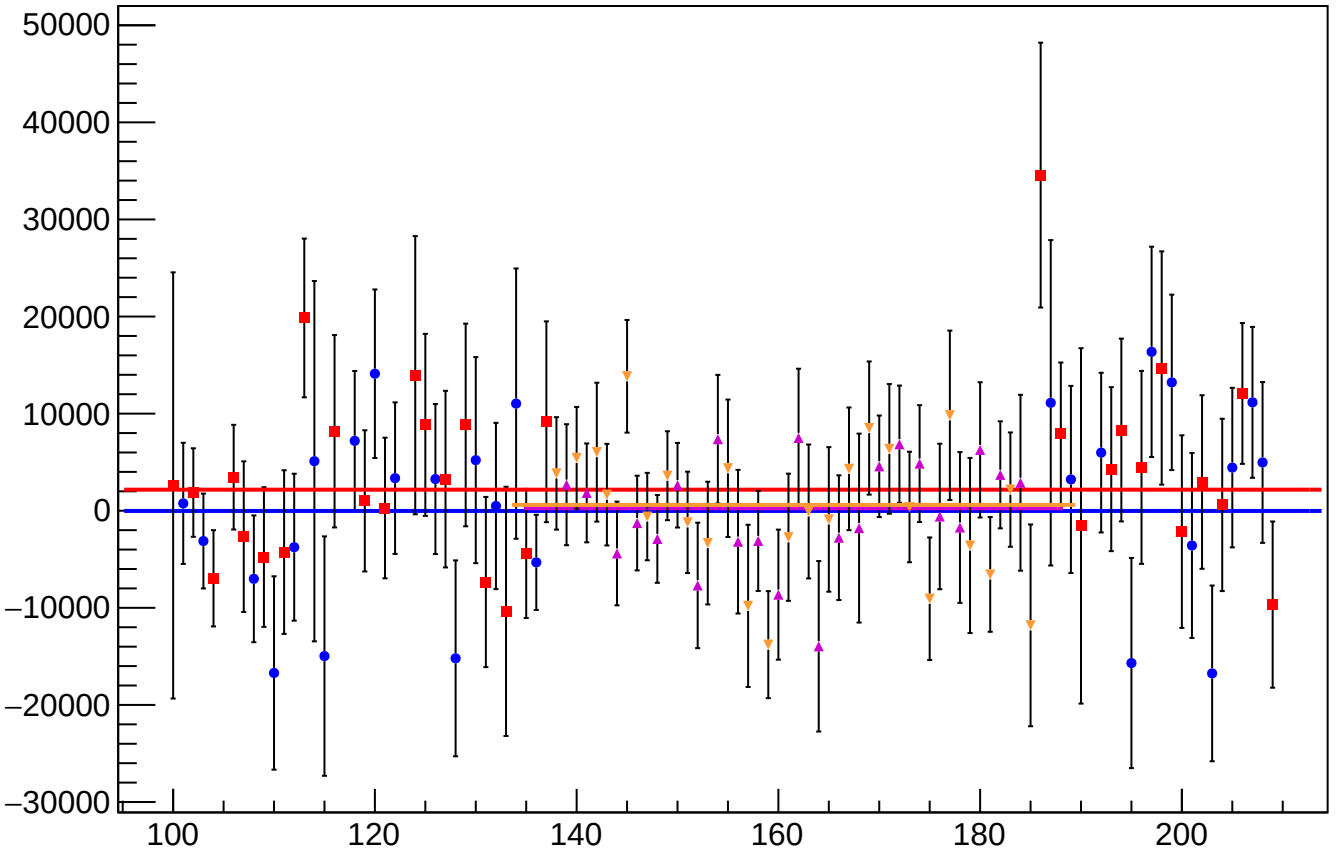
Right Out: 1665.590+/-0.288 χ^2/NDF: 294032.6/30

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1622.113+/-0.194 χ^2/NDF: 417313.8/51

All: 1622.042+/-0.137 χ^2/NDF: 795087.1/105

- sign 1621.971+/-0.194 χ^2/NDF: 377773.0/53



Right In: -21.839+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 2168.900+/-1467.270 χ^2/NDF: 27.6/30

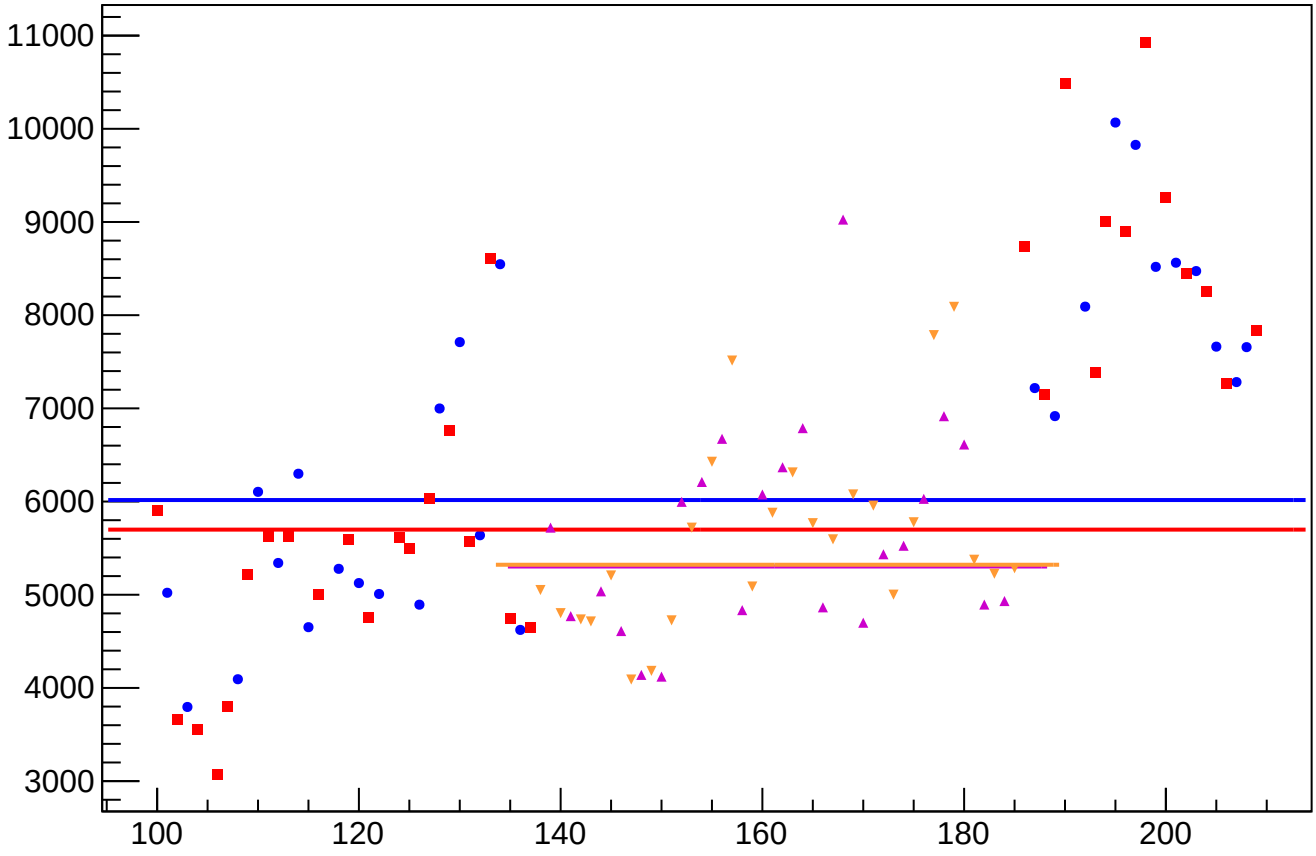
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 365.609+/-972.289 χ^2/NDF: 54.5/51

All: 723.261+/-682.059 χ^2/NDF: 98.0/105

- sign 1069.787+/-957.047 χ^2/NDF: 43.2/53

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6016.297+/-1.117 χ^2/NDF: 2436777.3/26

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5698.872+/-1.038 χ^2/NDF: 3667517.2/30

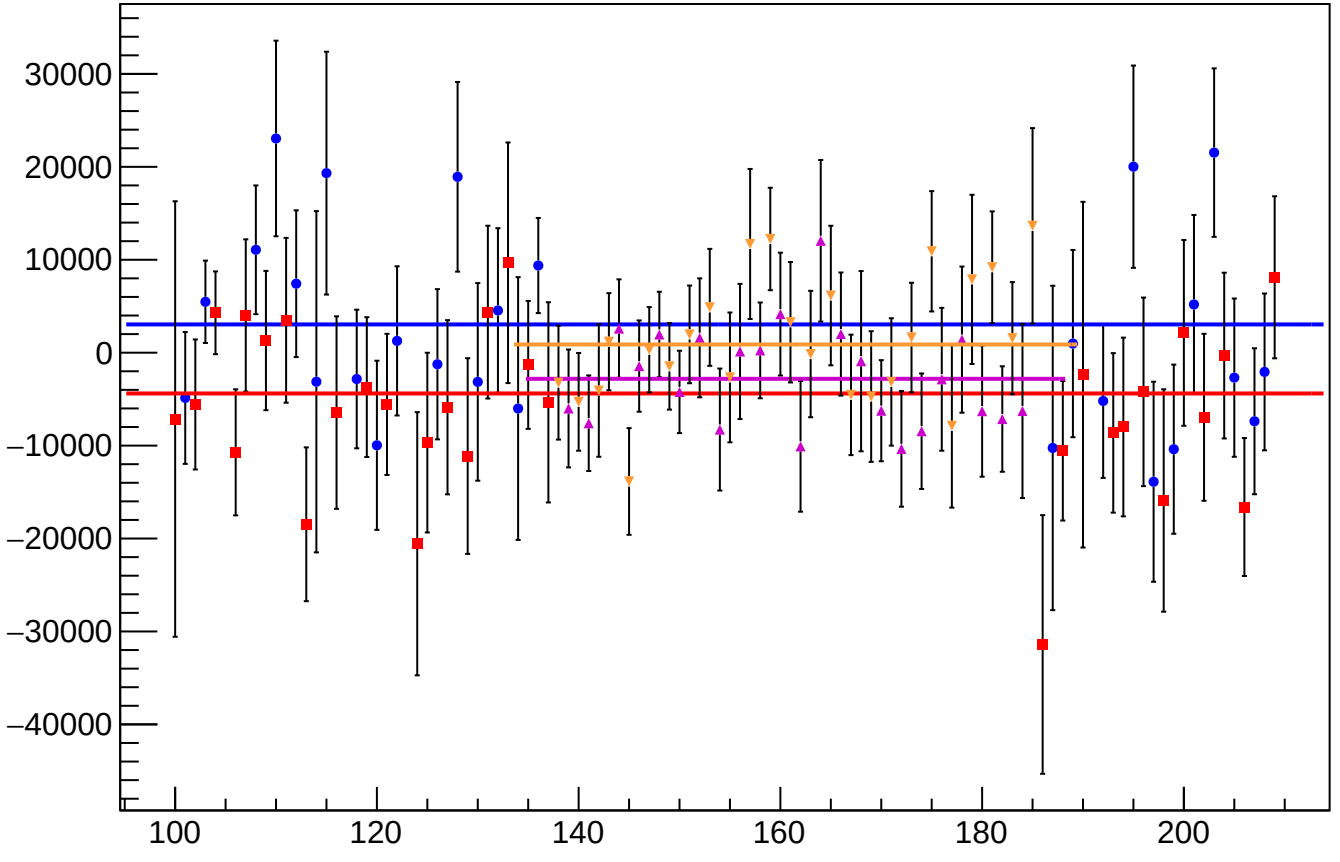
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5584.941+/-0.688 χ^2/NDF: 3713777.5/51

All: 5527.244+/-0.482 χ^2/NDF: 8631247.8/10

- sign 5471.341+/-0.677 χ^2/NDF: 4903603.7/53

asym_usr_atr2_avg_mean vs Slug



Right In: 3040.402+/-1612.591 χ^2/NDF: 31.7/26

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4387.723+/-1551.861 χ^2/NDF: 25.7/30

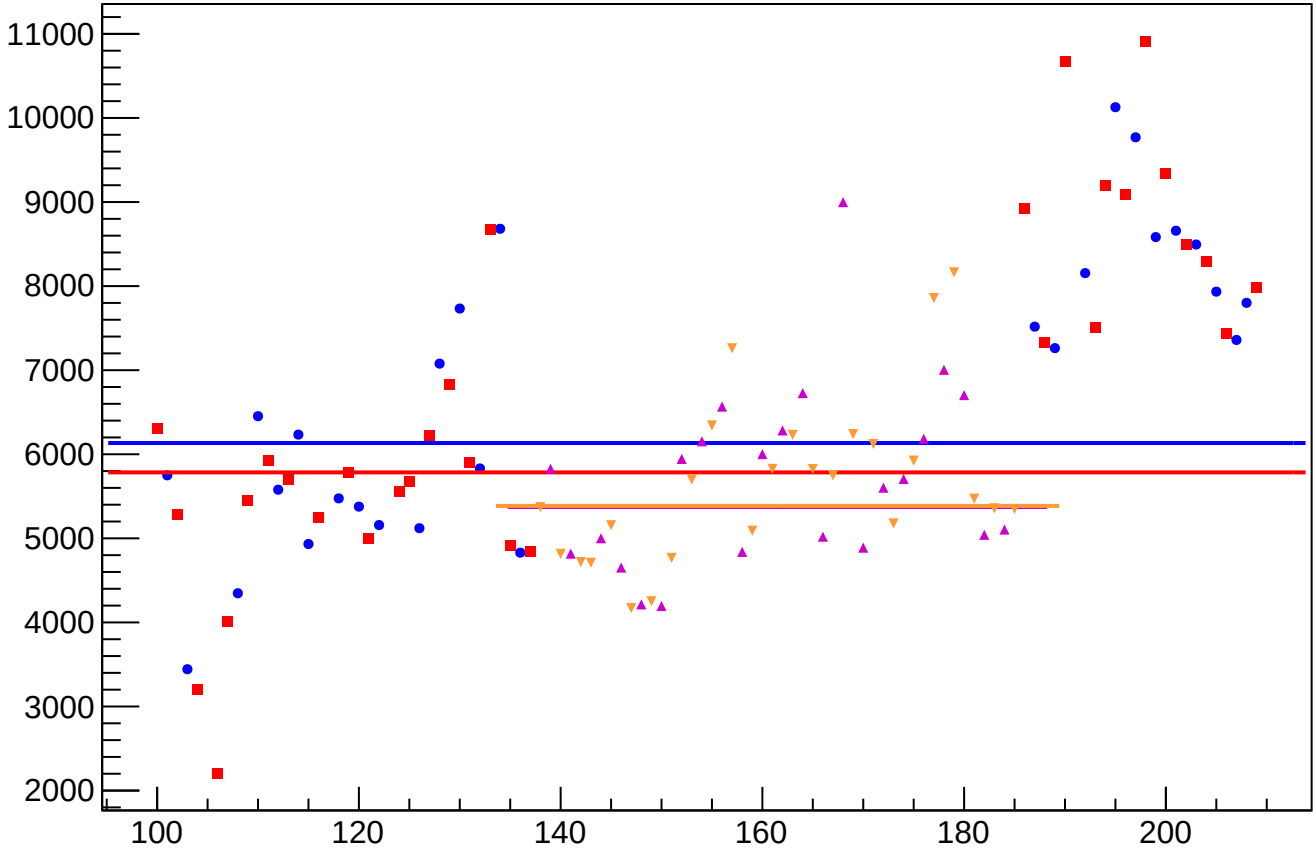
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1691.467+/-986.216 χ^2/NDF: 58.5/51

All: -878.160+/-697.344 χ^2/NDF: 113.0/105

- sign -3447.551+/-986.171 χ^2/NDF: 41.0/53

asym_usr_atr2_avg_rms vs Slug



Right In: 6133.694+/-1.140 χ^2/NDF: 2542929.2/26

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

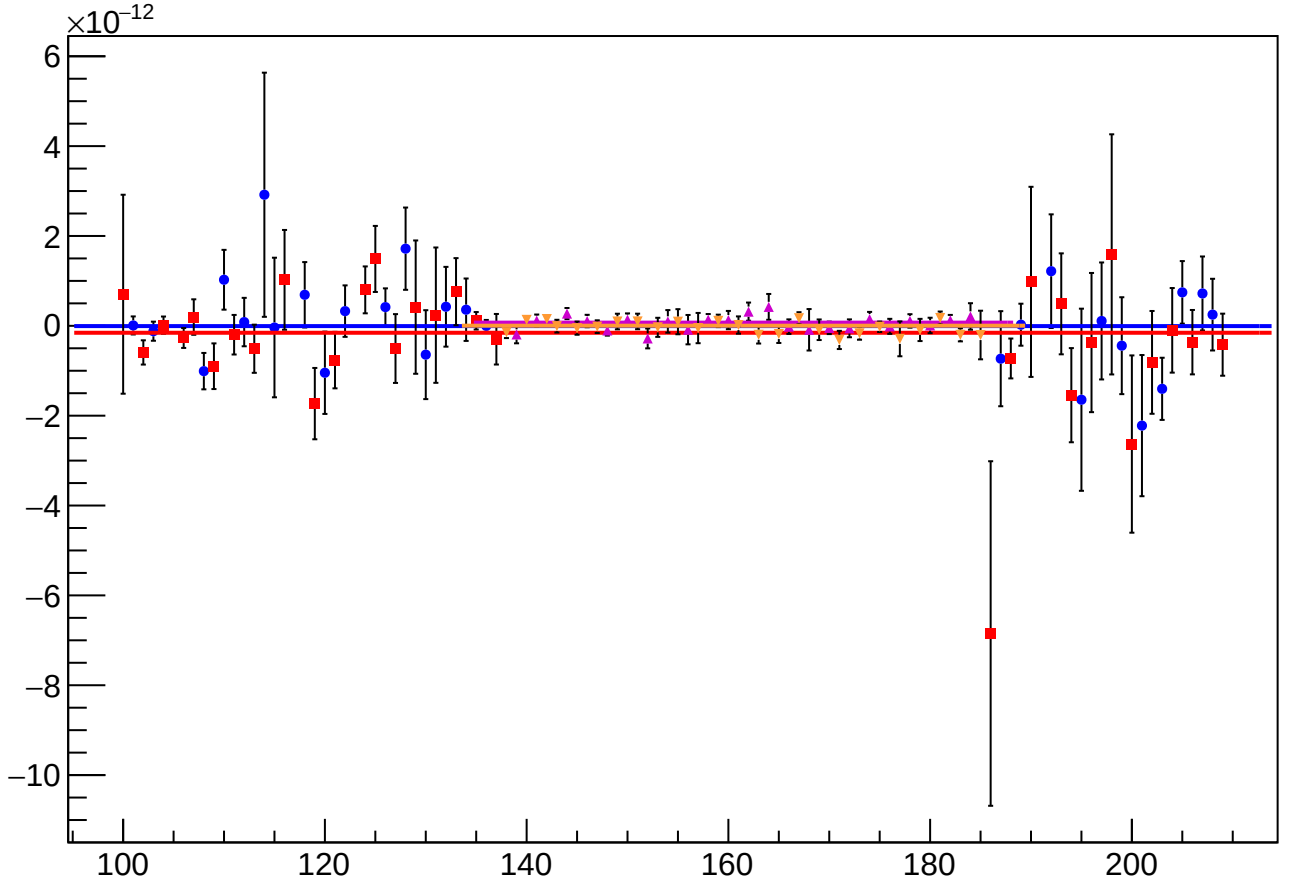
Right Out: 5784.437+/-1.068 χ^2/NDF: 4183369.0/30

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5665.436+/-0.697 χ^2/NDF: 3799415.3/51

All: 5604.259+/-0.490 χ^2/NDF: 9156394.0/10

- sign 5544.422+/-0.690 χ^2/NDF: 5341755.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

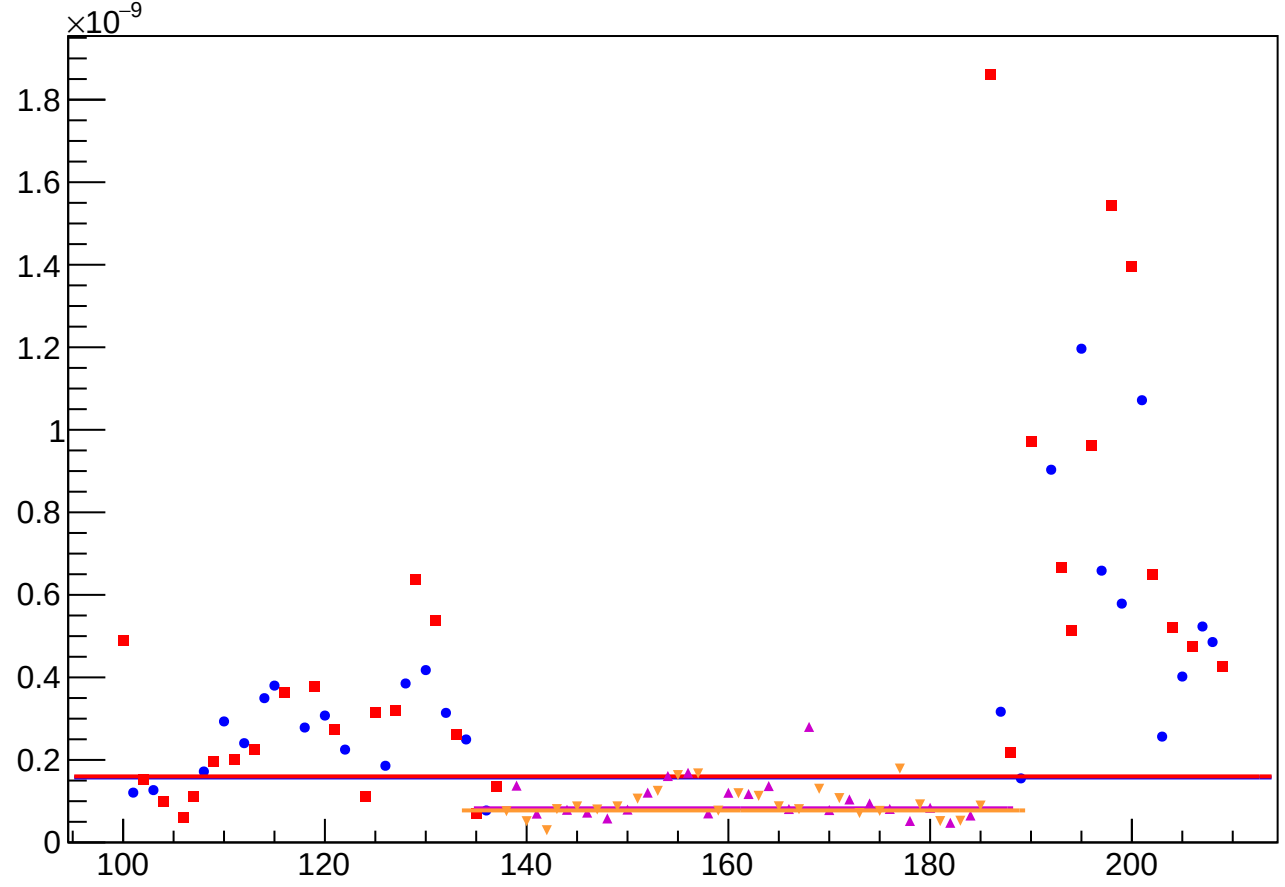
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/30

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.7/51

All: 0.000+/-0.000 χ^2/NDF: 104.5/105

- sign 0.000+/-0.000 χ^2/NDF: 57.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 5093978.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6559357.9/30

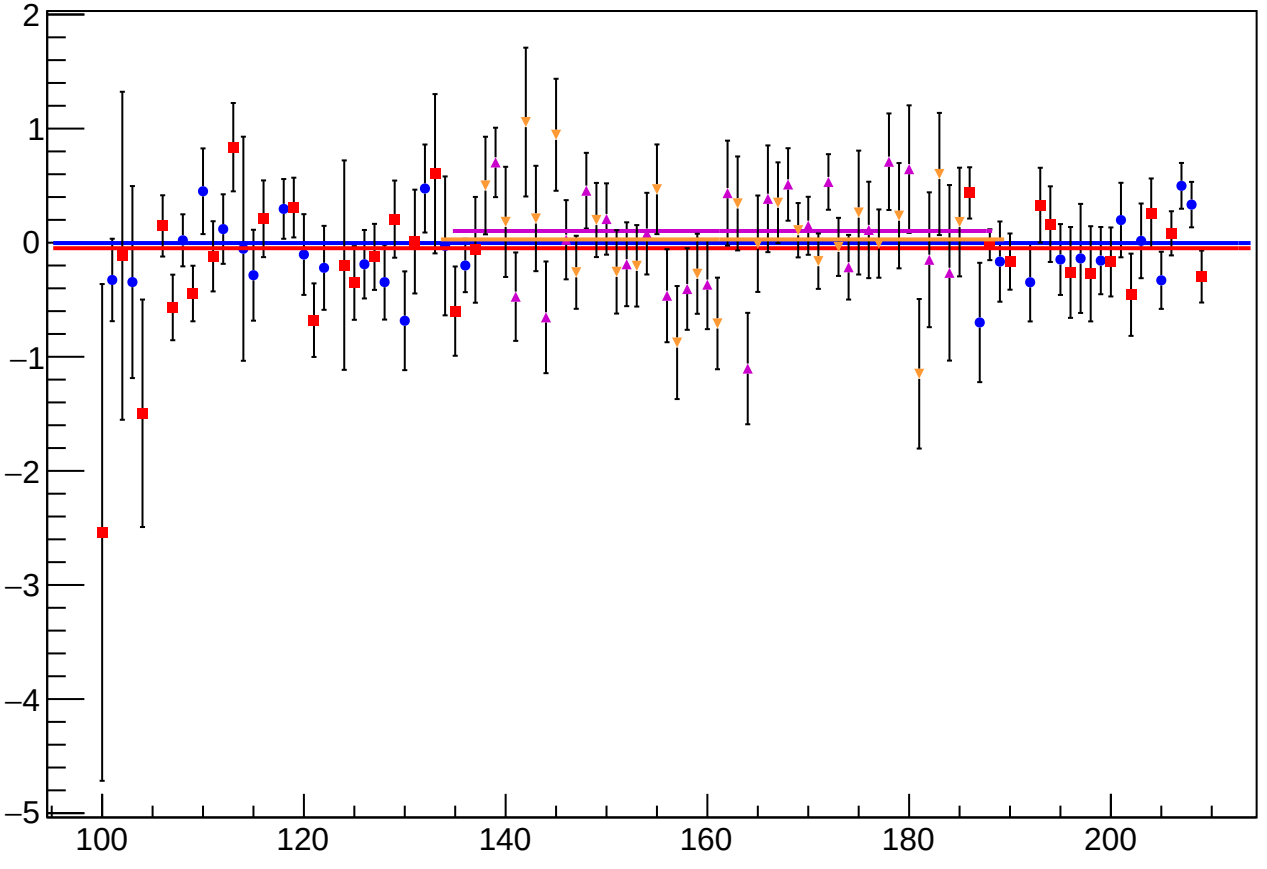
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8388966.9/51

All: 0.000+/-0.000 χ^2/NDF: 17957313.1/105

- sign 0.000+/-0.000 χ^2/NDF: 9536818.1/53

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.048+/-0.054 χ^2/NDF: 37.1/30

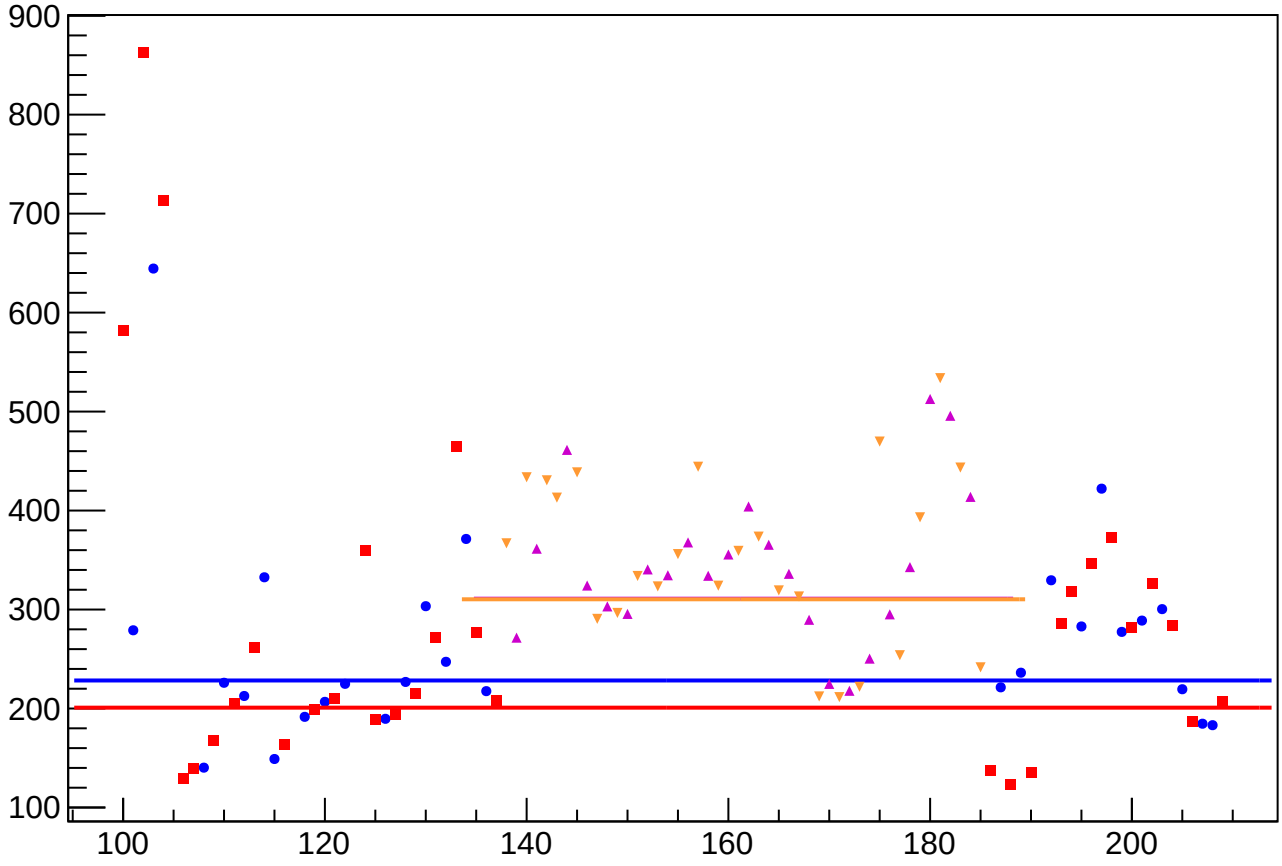
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.006+/-0.032 χ^2/NDF: 123.2/105

- sign 0.002+/-0.044 χ^2/NDF: 72.0/53

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

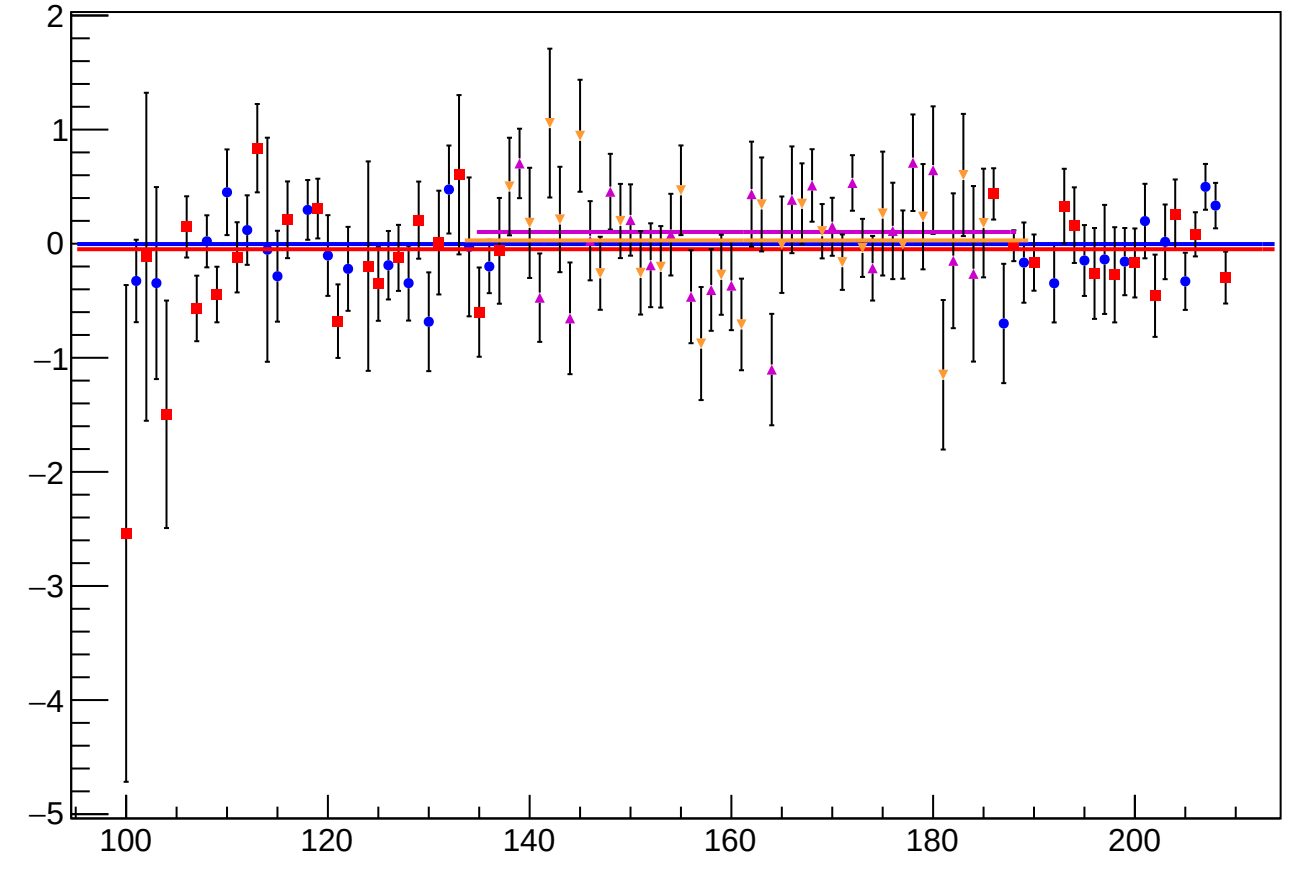
Right Out: 200.868+/-0.038 χ^2/NDF: 4339386.3/30

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 261.218+/-0.033 χ^2/NDF: 5989574.5/51

All: 248.704+/-0.023 χ^2/NDF: 14962584.6/10

- sign 237.787+/-0.031 χ^2/NDF: 8710642.6/53



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

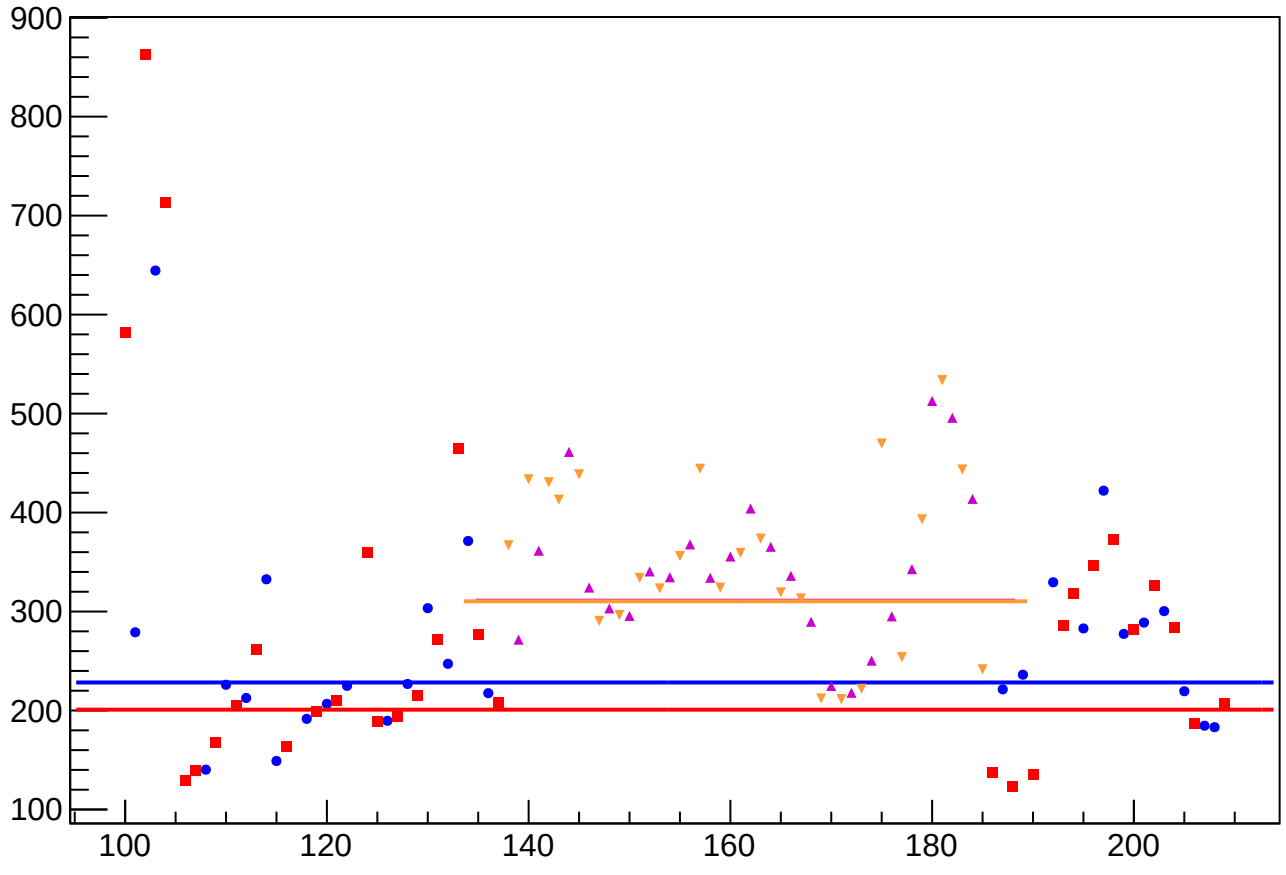
Right Out: -0.048+/-0.054 χ^2/NDF: 37.1/30

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.006+/-0.032 χ^2/NDF: 123.2/105

- sign 0.002+/-0.044 χ^2/NDF: 72.0/53



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

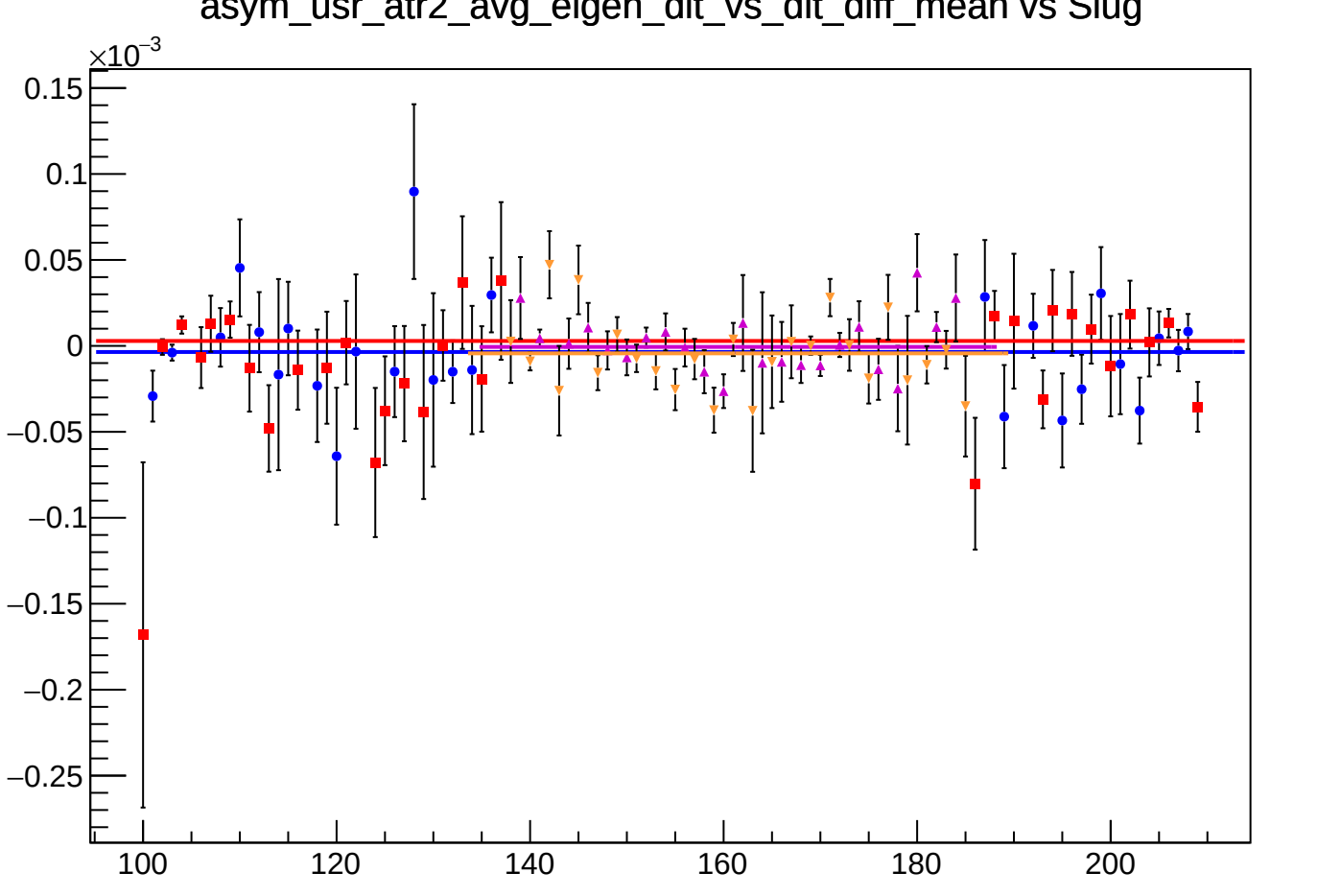
Right Out: 200.868+/-0.038 χ^2/NDF: 4339386.3/30

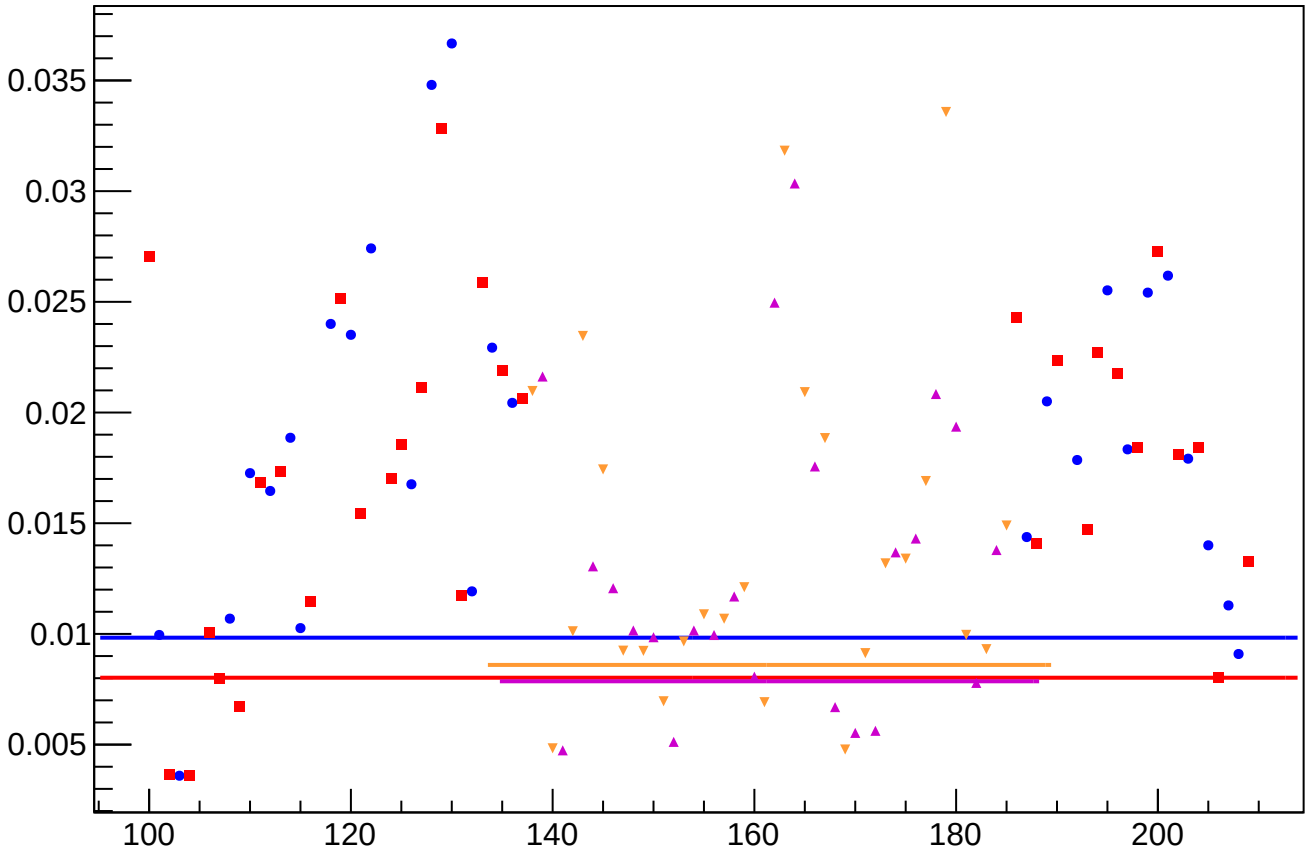
Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 261.218+/-0.033 χ^2/NDF: 5989574.5/51

All: 248.704+/-0.023 χ^2/NDF: 14962584.6/10

- sign 237.787+/-0.031 χ^2/NDF: 8710642.6/53


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.9/26
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 42.0/30
Left In: -0.000+/-0.000 χ²/NDF:26.6/22
+ sign -0.000+/-0.000 χ²/NDF: 71.2/51
All: -0.000+/-0.000 χ²/NDF: 144.9/105
- sign 0.000+/-0.000 χ²/NDF: 69.6/53



Right In: 0.010+/-0.000 χ^2/NDF: 10363548.7/26

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

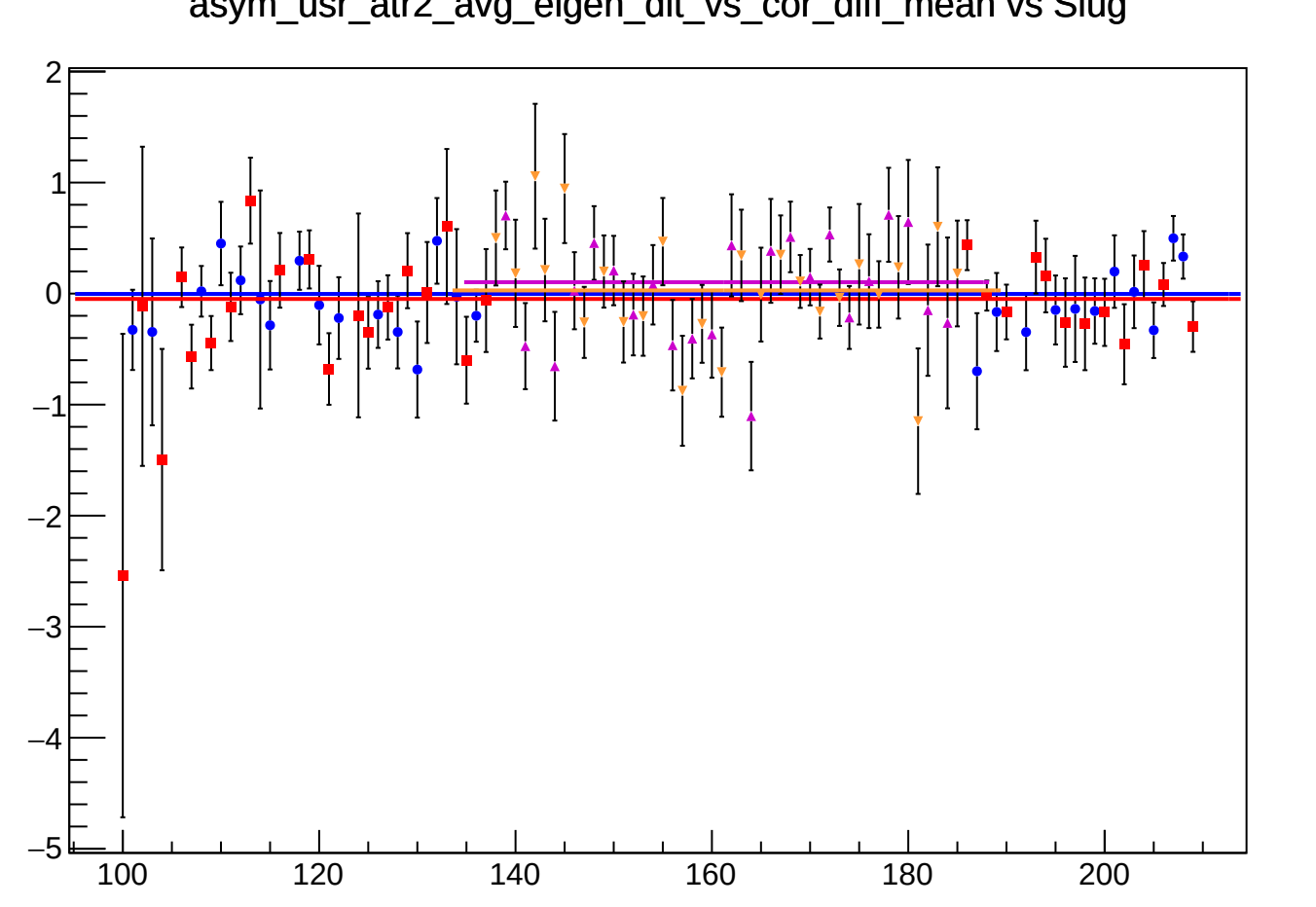
Right Out: 0.008+/-0.000 χ^2/NDF: 12390123.7/30

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 18223824.4/51

All: 0.008+/-0.000 χ^2/NDF: 37801117.0/105

- sign 0.008+/-0.000 χ^2/NDF: 19174745.5/53



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

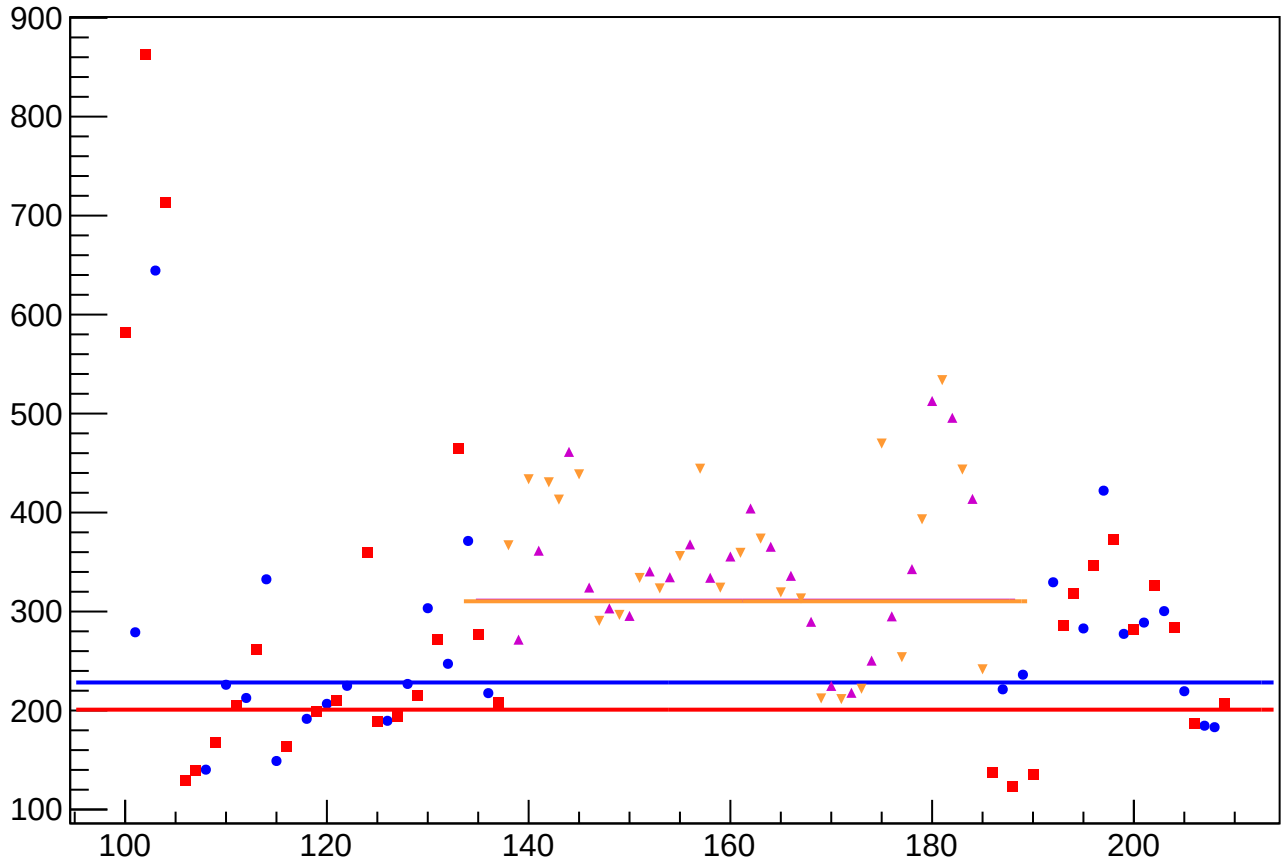
Right Out: -0.048+/-0.054 χ^2/NDF: 37.1/30

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.006+/-0.032 χ^2/NDF: 123.2/105

- sign 0.002+/-0.044 χ^2/NDF: 72.0/53



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

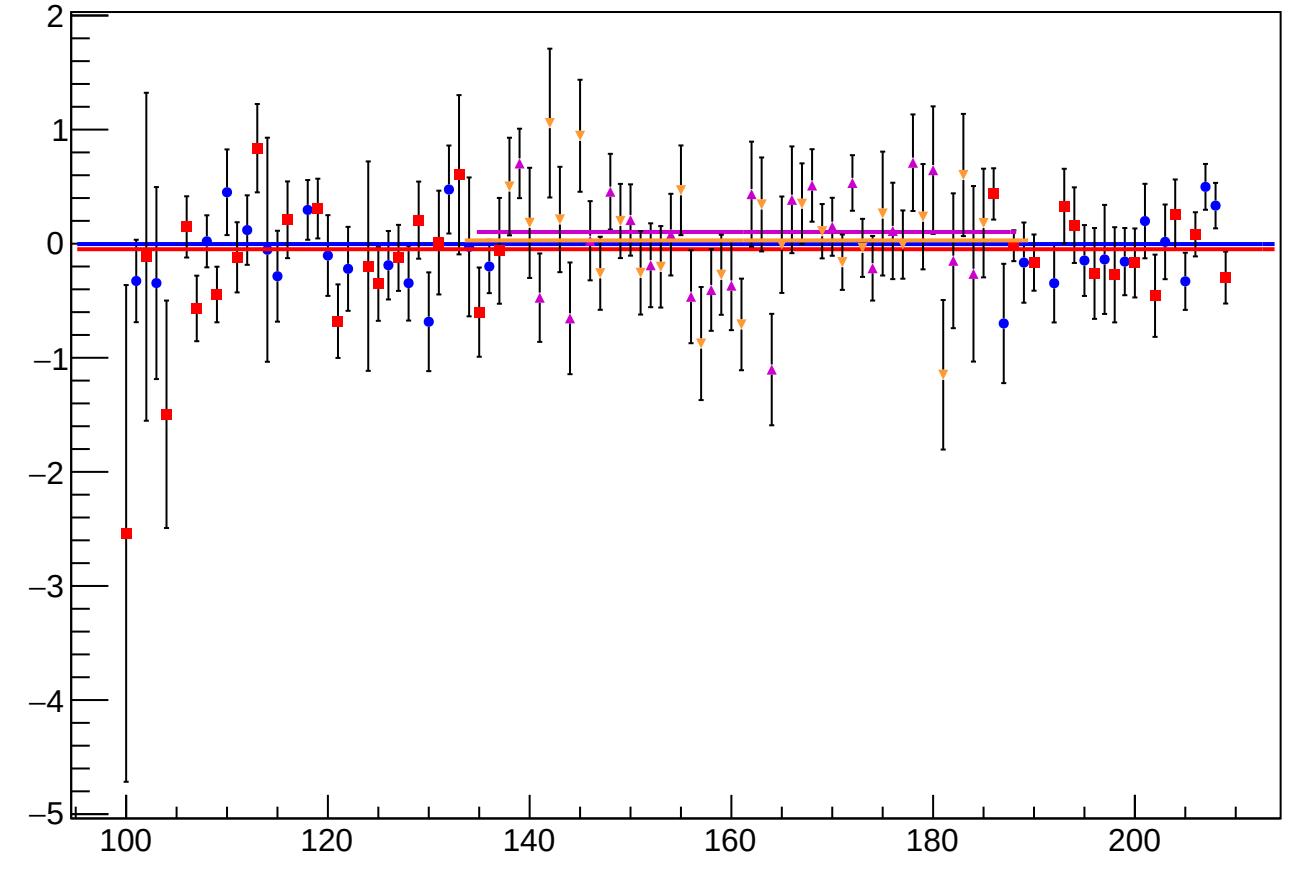
Right Out: 200.866+/-0.038 χ^2/NDF: 4339551.3/30

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 261.219+/-0.033 χ^2/NDF: 5989742.2/51

All: 248.704+/-0.023 χ^2/NDF: 14963243.2/10

- sign 237.786+/-0.031 χ^2/NDF: 8711094.2/53



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

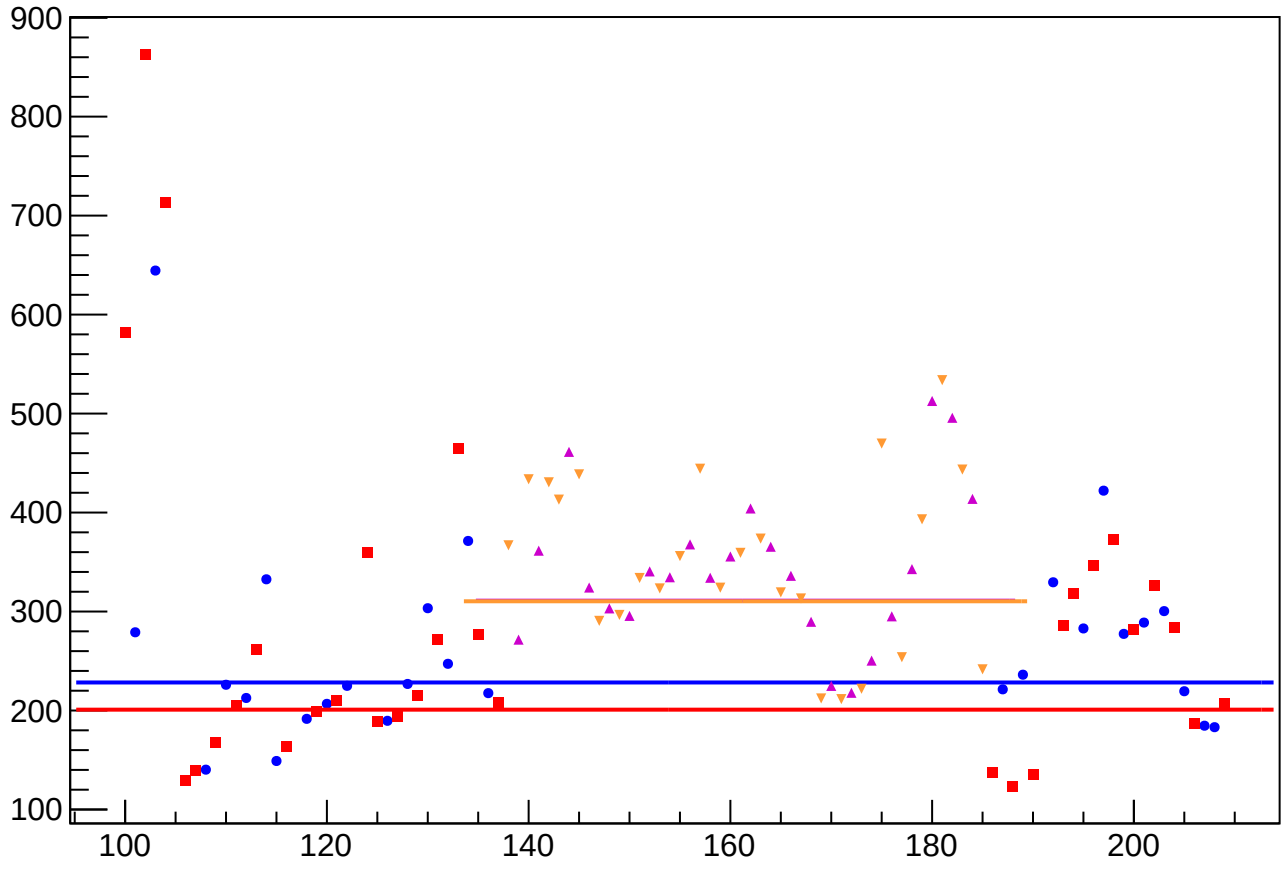
Right Out: -0.048+/-0.054 χ^2/NDF: 37.1/30

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.010+/-0.047 χ^2/NDF: 51.2/51

All: 0.006+/-0.032 χ^2/NDF: 123.2/105

- sign 0.002+/-0.044 χ^2/NDF: 72.0/53



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

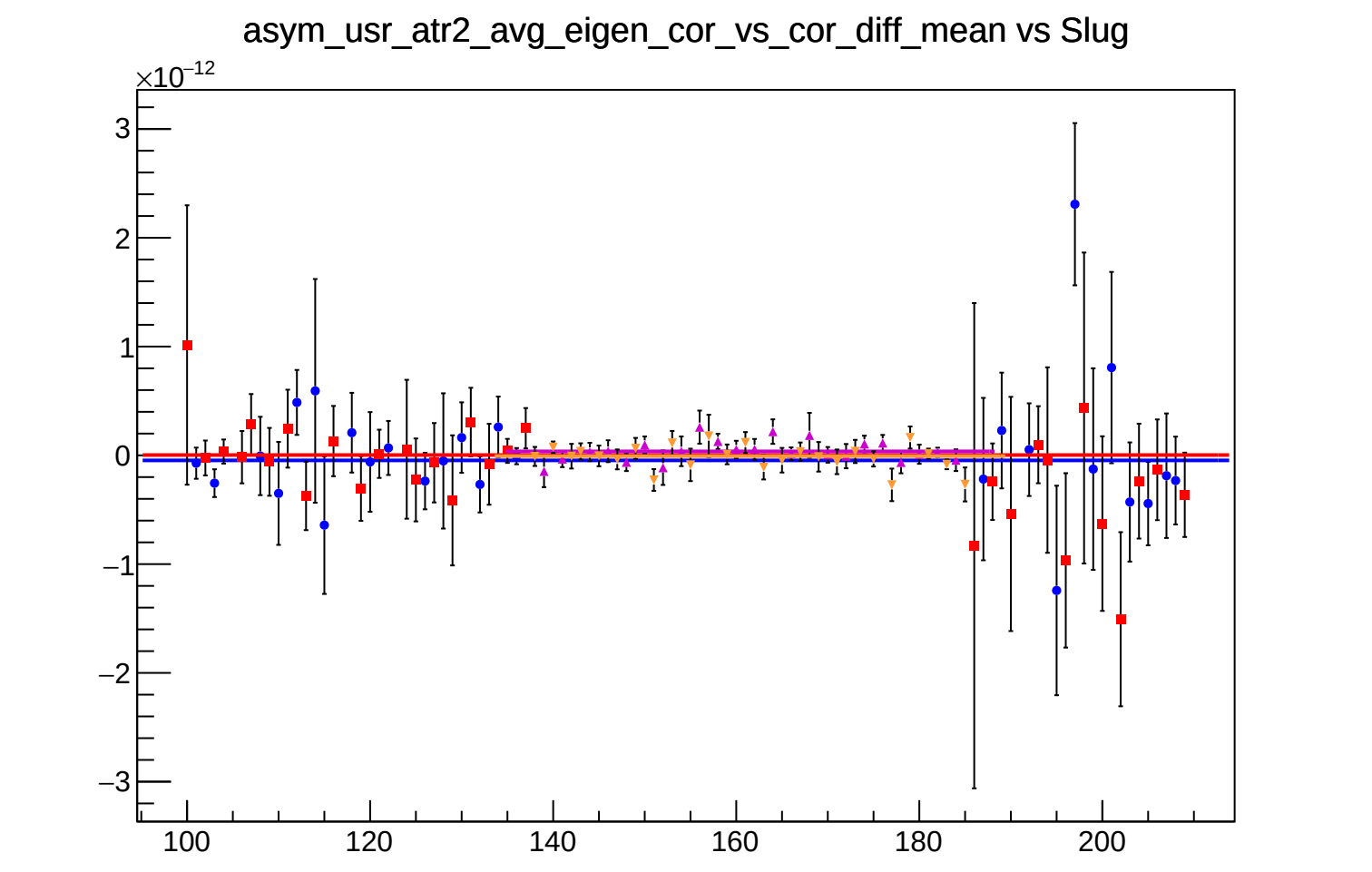
Right Out: 200.866+/-0.038 χ^2/NDF: 4339551.3/30

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 261.219+/-0.033 χ^2/NDF: 5989742.2/51

All: 248.704+/-0.023 χ^2/NDF: 14963243.2/10

- sign 237.786+/-0.031 χ^2/NDF: 8711094.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

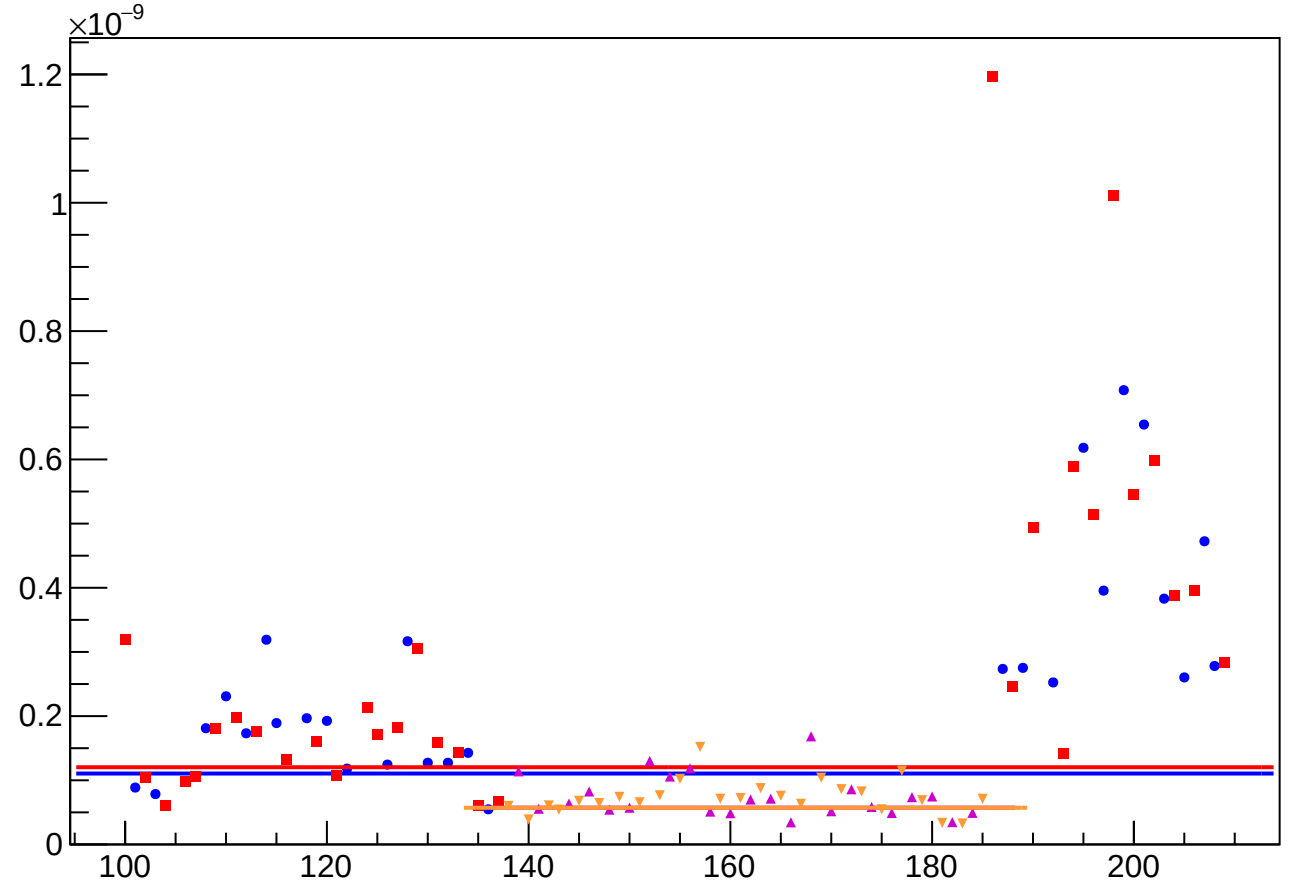
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/30

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/51

All: 0.000+/-0.000 χ^2/NDF: 89.9/105

- sign 0.000+/-0.000 χ^2/NDF: 33.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 7039980.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7746126.2/30

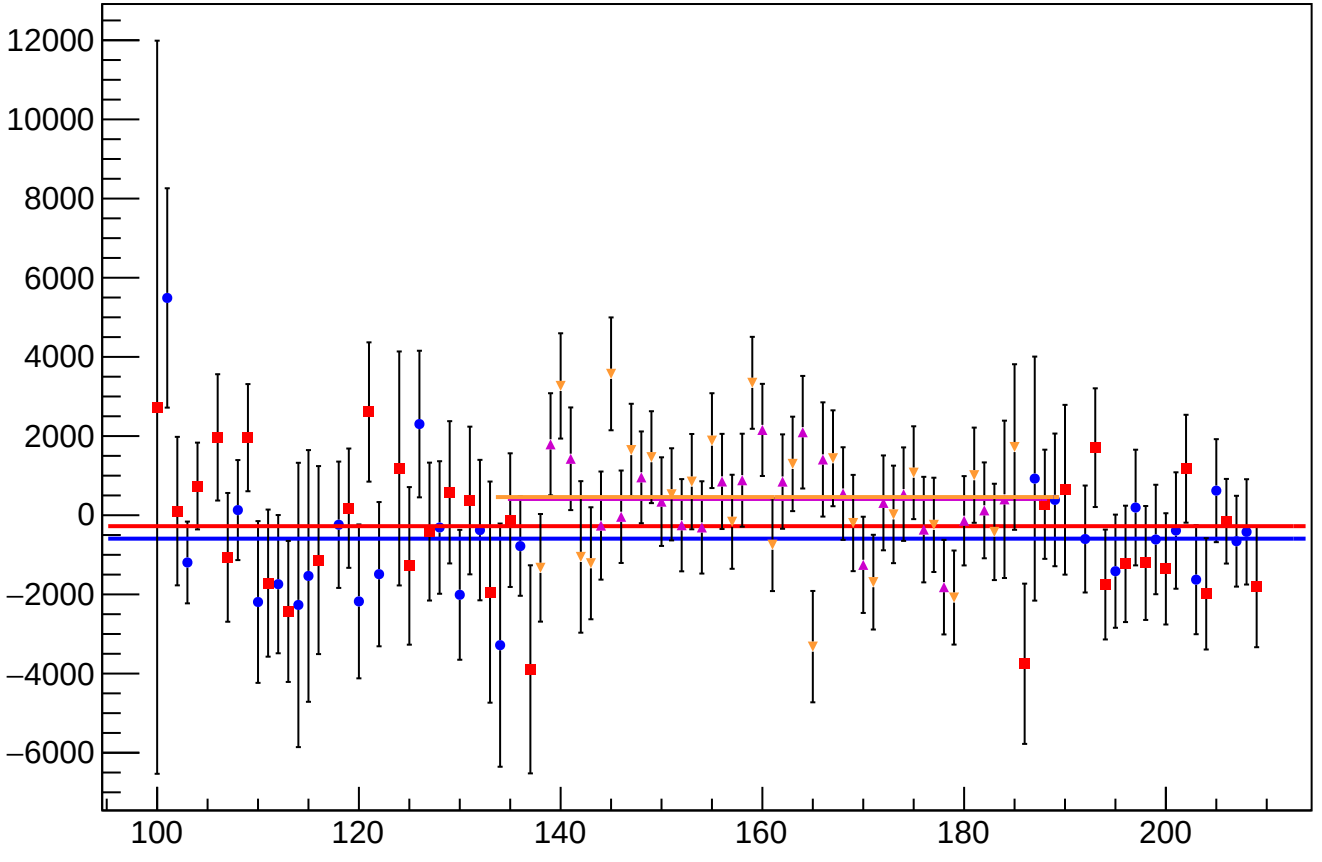
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12578023.5/51

All: 0.000+/-0.000 χ^2/NDF: 26501619.7/105

- sign 0.000+/-0.000 χ^2/NDF: 13918846.7/53

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -591.731+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -276.252+/-292.850 χ^2/NDF: 25.3/30

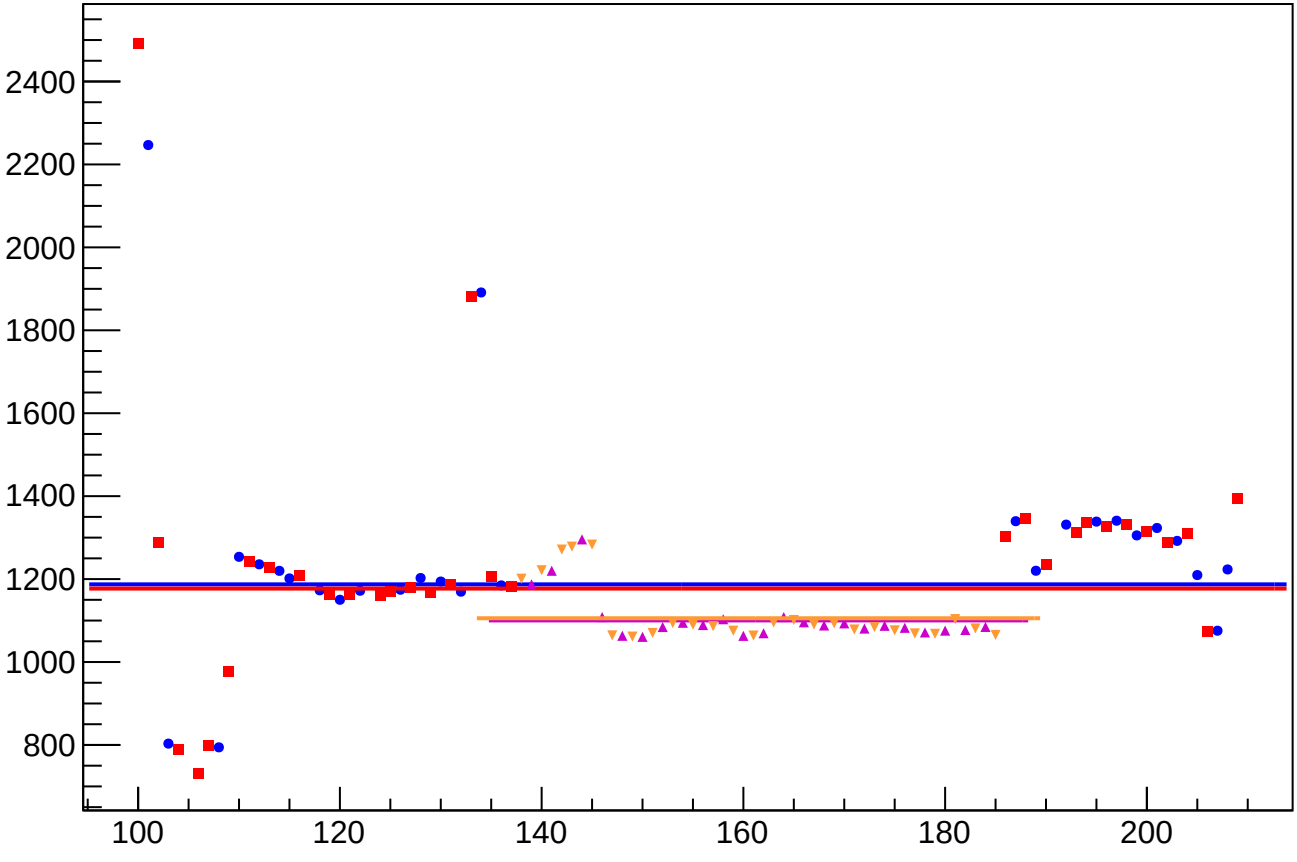
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 30.704+/-193.620 χ^2/NDF: 63.7/51

All: 71.368+/-136.779 χ^2/NDF: 105.8/105

- sign 111.877+/-193.250 χ^2/NDF: 42.0/53

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF: 1010063.4/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

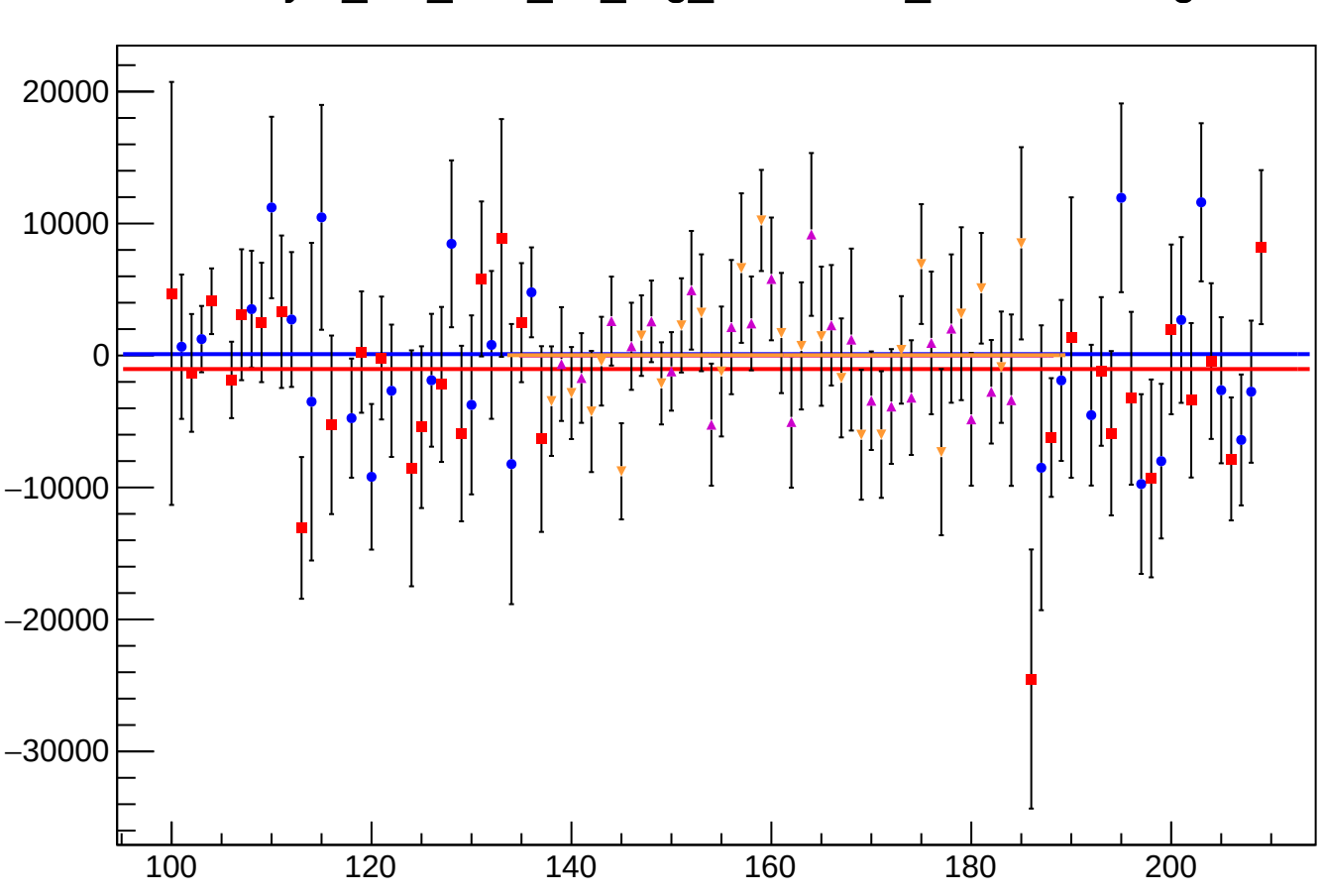
Right Out: 1177.129+/-0.206 χ^2/NDF: 1011661.9/30

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.858+/-0.137 χ^2/NDF: 1218078.0/51

All: 1136.392+/-0.097 χ^2/NDF: 2388607.7/10

- sign 1133.944+/-0.136 χ^2/NDF: 1169883.2/53



Right In: 103.371+/-1020.634 χ^2/NDF: 28.7/26

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1027.593+/-940.458 χ^2/NDF: 31.5/30

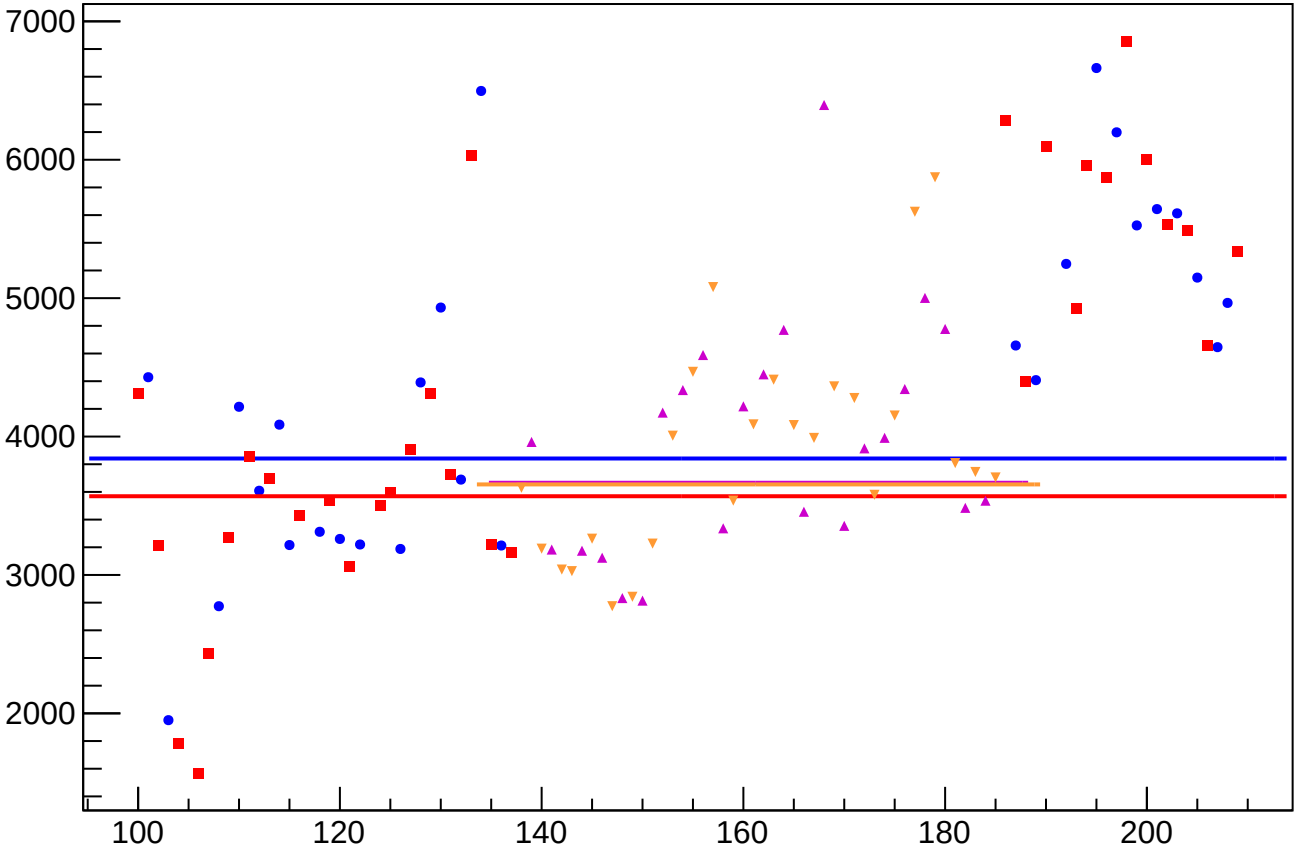
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 56.150+/-653.338 χ^2/NDF: 57.1/51

All: -217.323+/-457.450 χ^2/NDF: 103.6/105

- sign -480.328+/-640.711 χ^2/NDF: 46.2/53

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3841.453+/-0.722 χ^2/NDF: 3144407.0/26

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3568.796+/-0.665 χ^2/NDF: 4744646.5/30

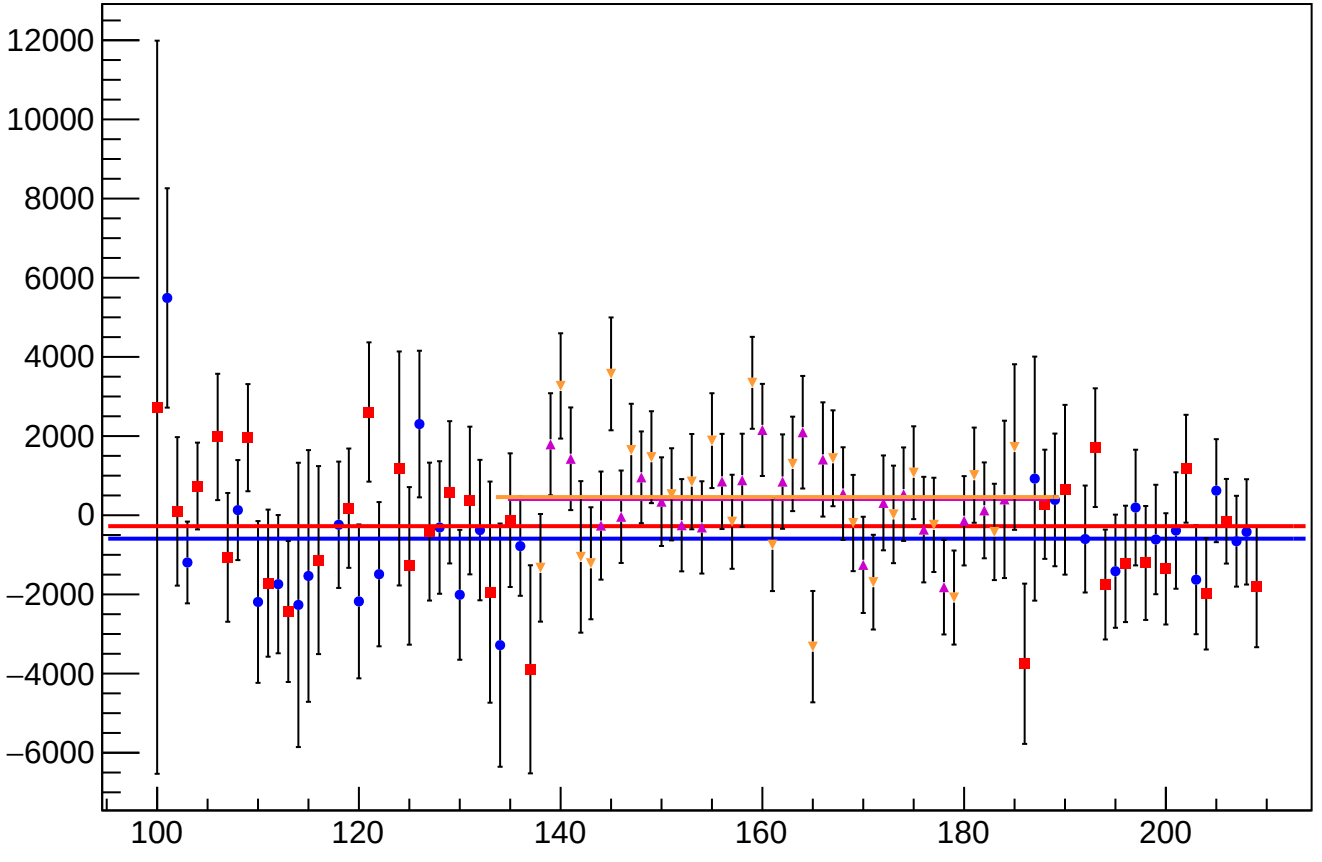
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3730.928+/-0.462 χ^2/NDF: 4495904.6/51

All: 3674.865+/-0.323 χ^2/NDF: 10624627.8/1

- sign 3620.947+/-0.453 χ^2/NDF: 6099832.8/53

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -591.769+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -276.101+/-292.852 χ^2/NDF: 25.3/30

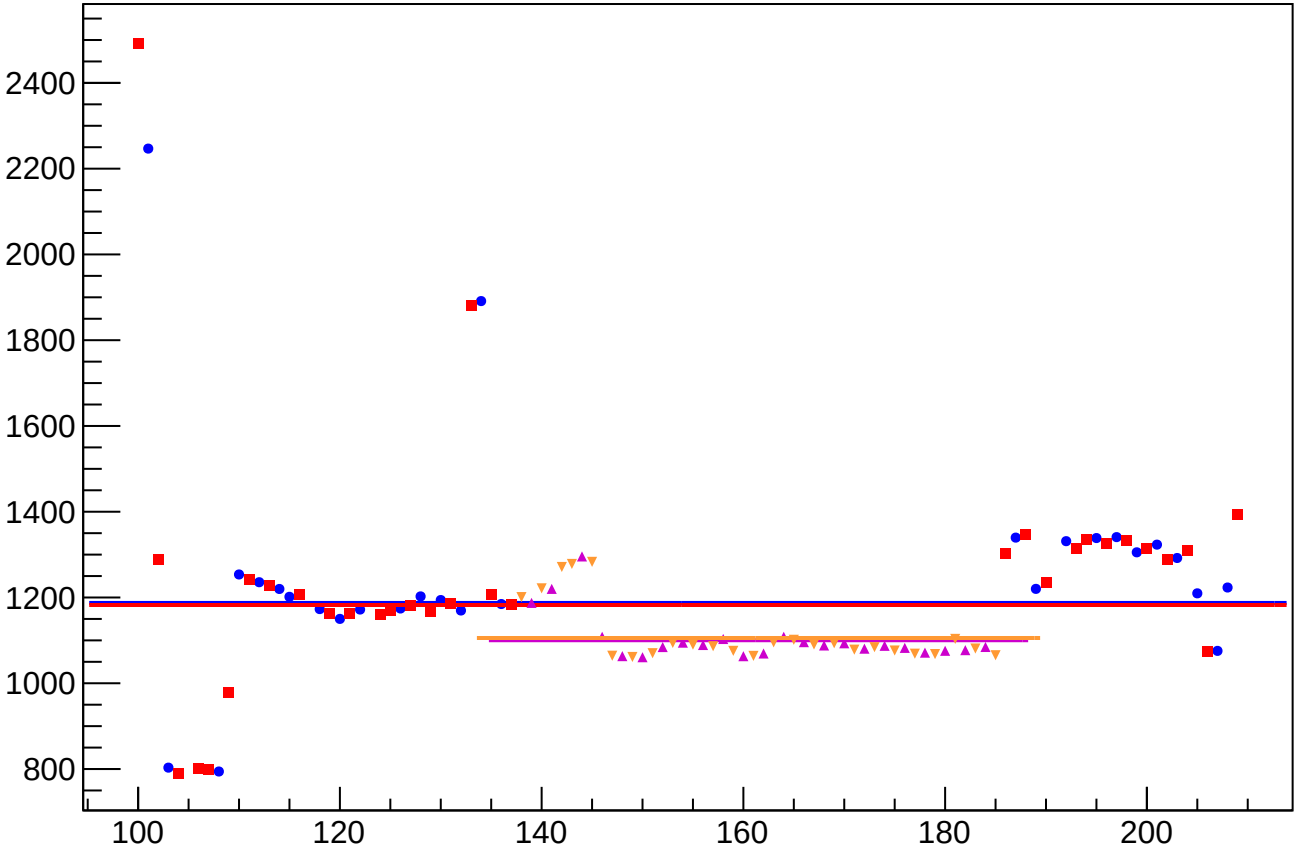
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 30.726+/-193.620 χ^2/NDF: 63.7/51

All: 71.385+/-136.779 χ^2/NDF: 105.8/105

- sign 111.889+/-193.251 χ^2/NDF: 42.0/53

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.508+/-0.207 χ^2/NDF: 933244.0/30

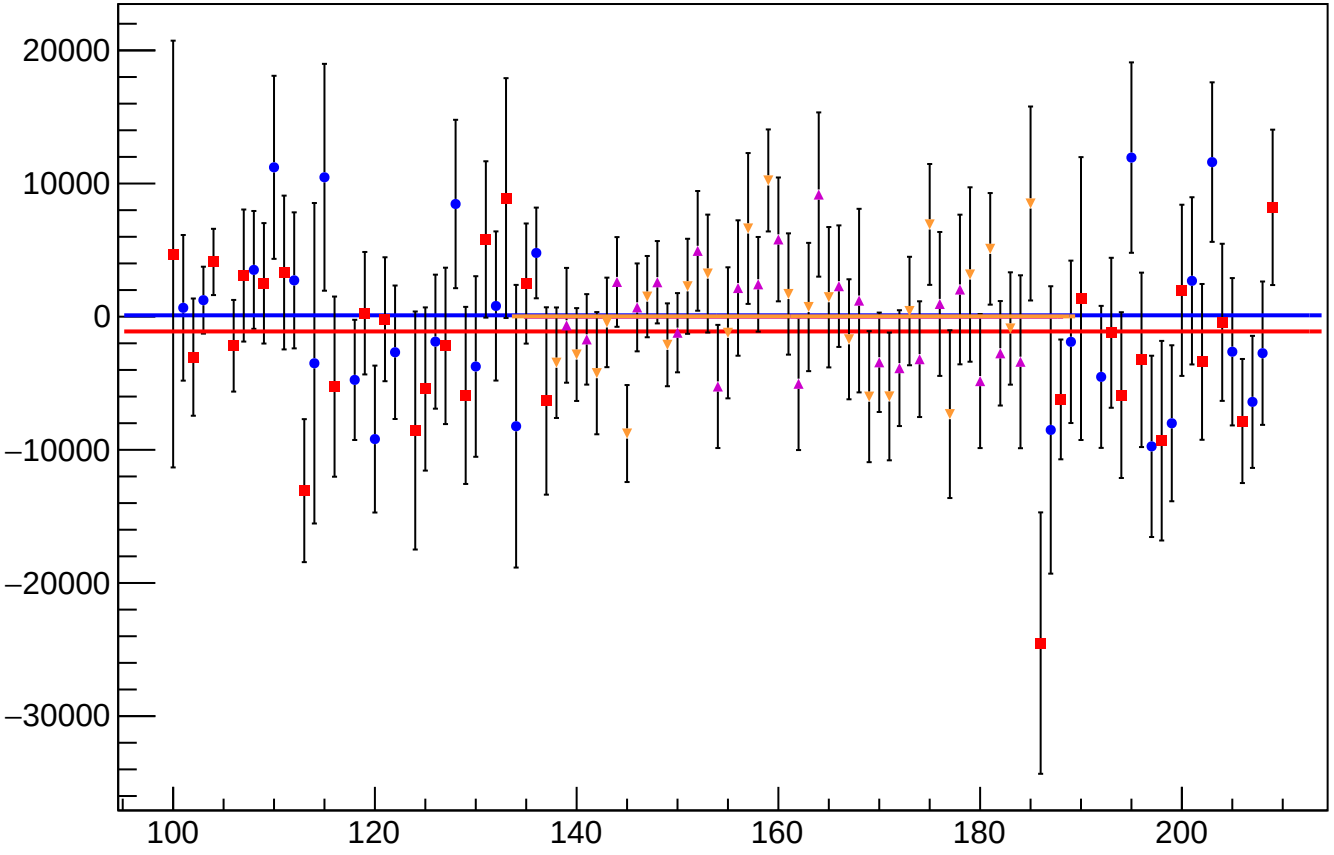
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.858+/-0.137 χ^2/NDF: 1218074.2/51

All: 1137.509+/-0.097 χ^2/NDF: 2320716.0/10

- sign 1136.166+/-0.137 χ^2/NDF: 1102448.0/53

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 102.939+/-1020.662 χ^2/NDF: 28.7/26

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

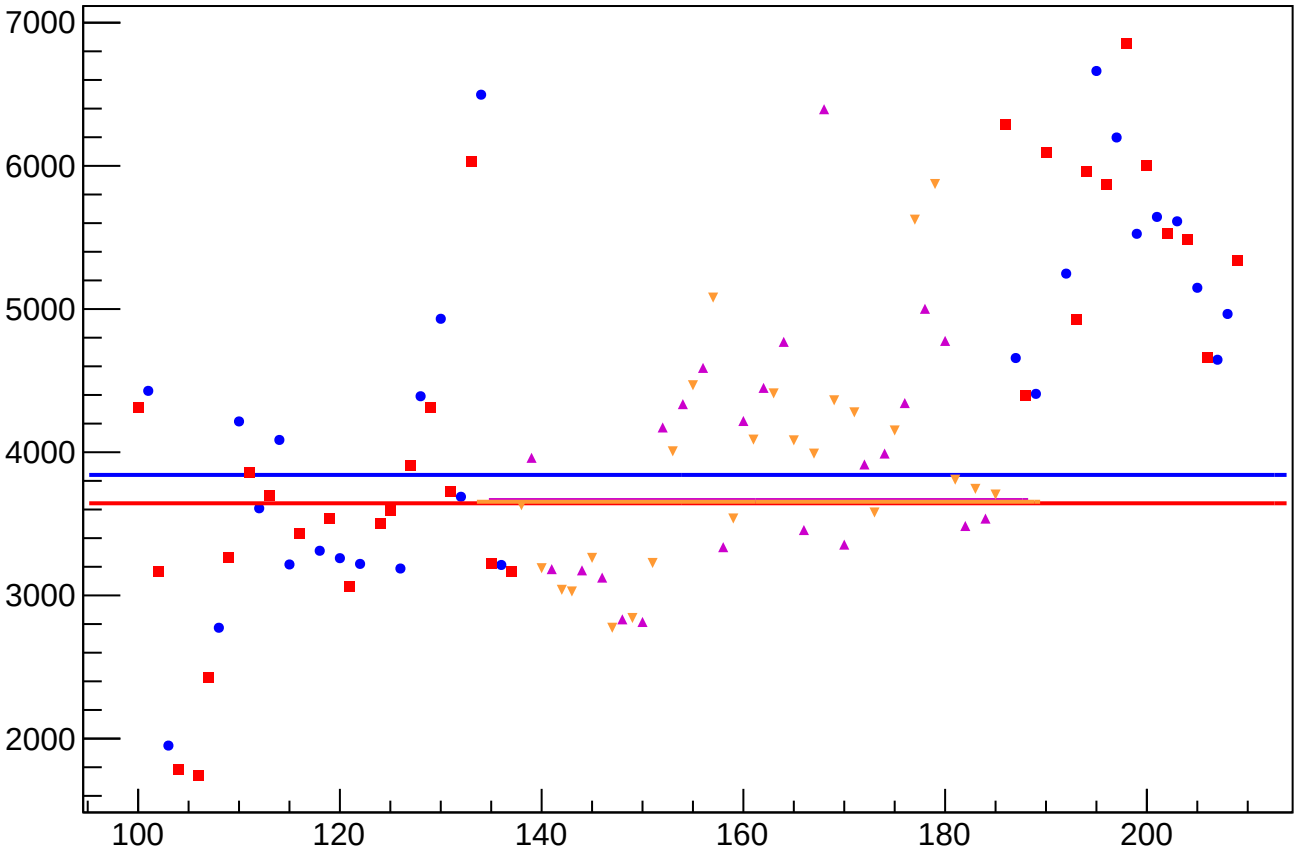
Right Out: -1108.445+/-954.766 χ^2/NDF: 31.7/30

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 55.970+/-653.345 χ^2/NDF: 57.1/51

All: -230.378+/-459.071 χ^2/NDF: 104.0/105

- sign -509.614+/-645.180 χ^2/NDF: 46.5/53



Right In: 3841.616+/-0.722 χ^2/NDF: 3143595.2/26

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3643.463+/-0.675 χ^2/NDF: 4341311.6/30

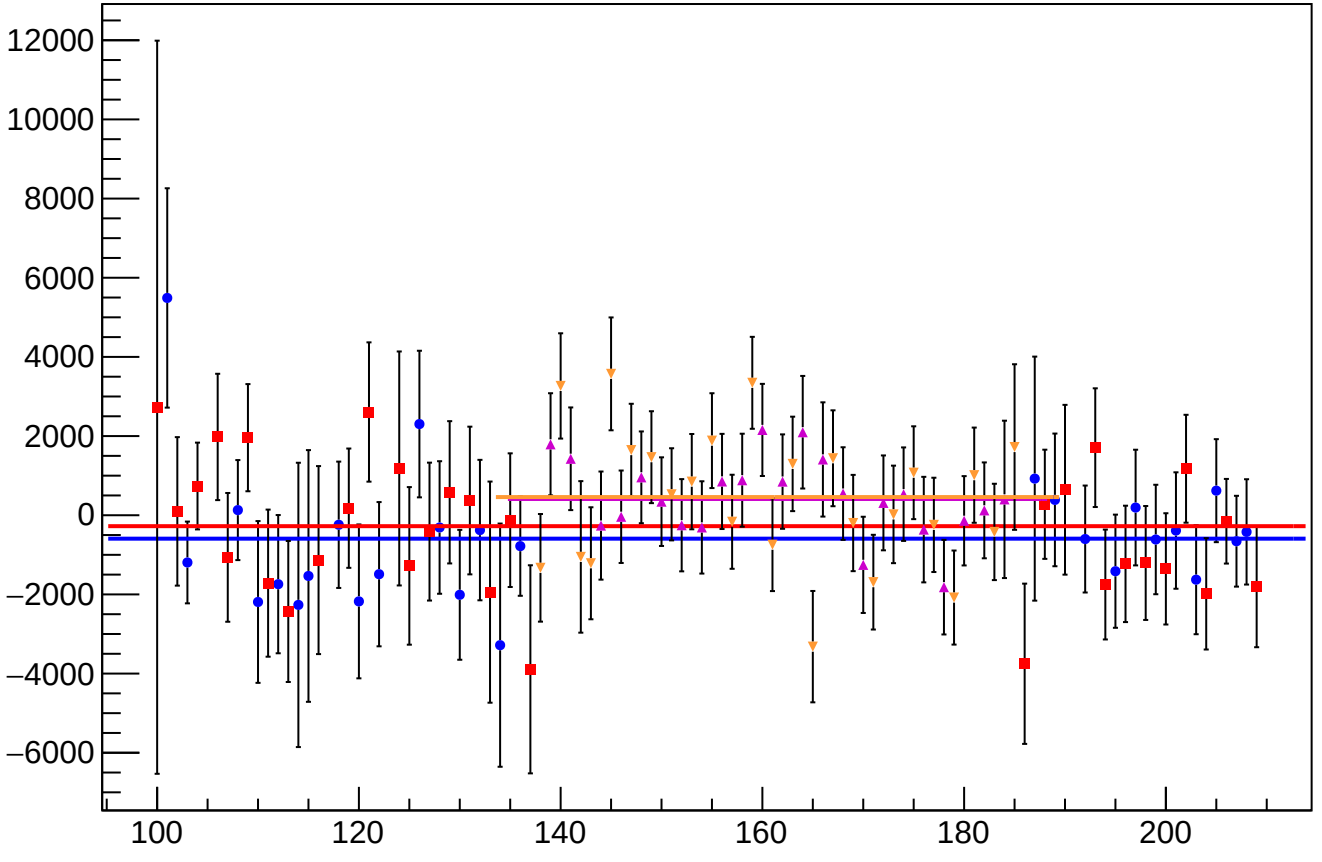
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3730.991+/-0.462 χ^2/NDF: 4495169.3/51

All: 3692.908+/-0.325 χ^2/NDF: 10194225.9/1

- sign 3655.771+/-0.456 χ^2/NDF: 5685634.9/53

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -591.769+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -276.101+/-292.852 χ^2/NDF: 25.3/30

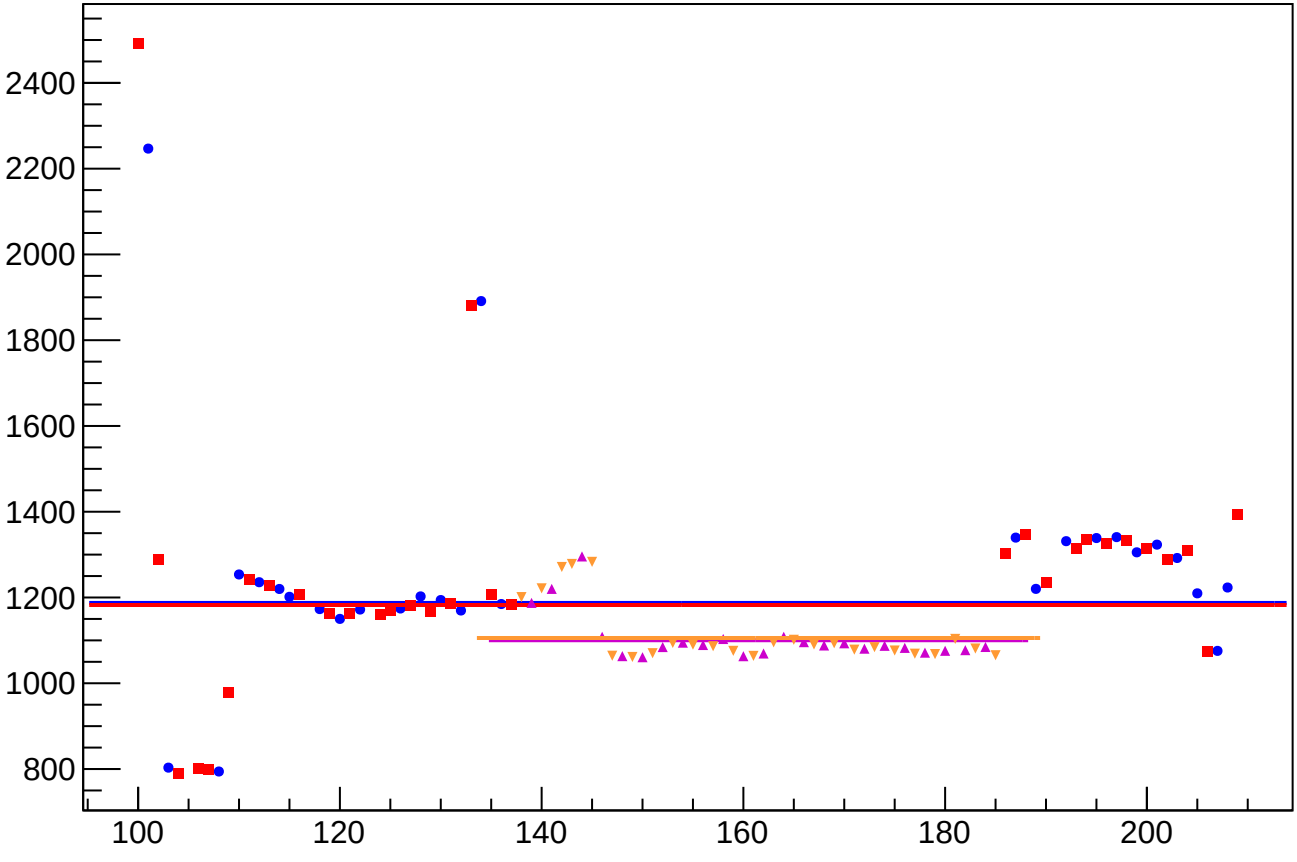
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 30.726+/-193.620 χ^2/NDF: 63.7/51

All: 71.385+/-136.779 χ^2/NDF: 105.8/105

- sign 111.889+/-193.251 χ^2/NDF: 42.0/53

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

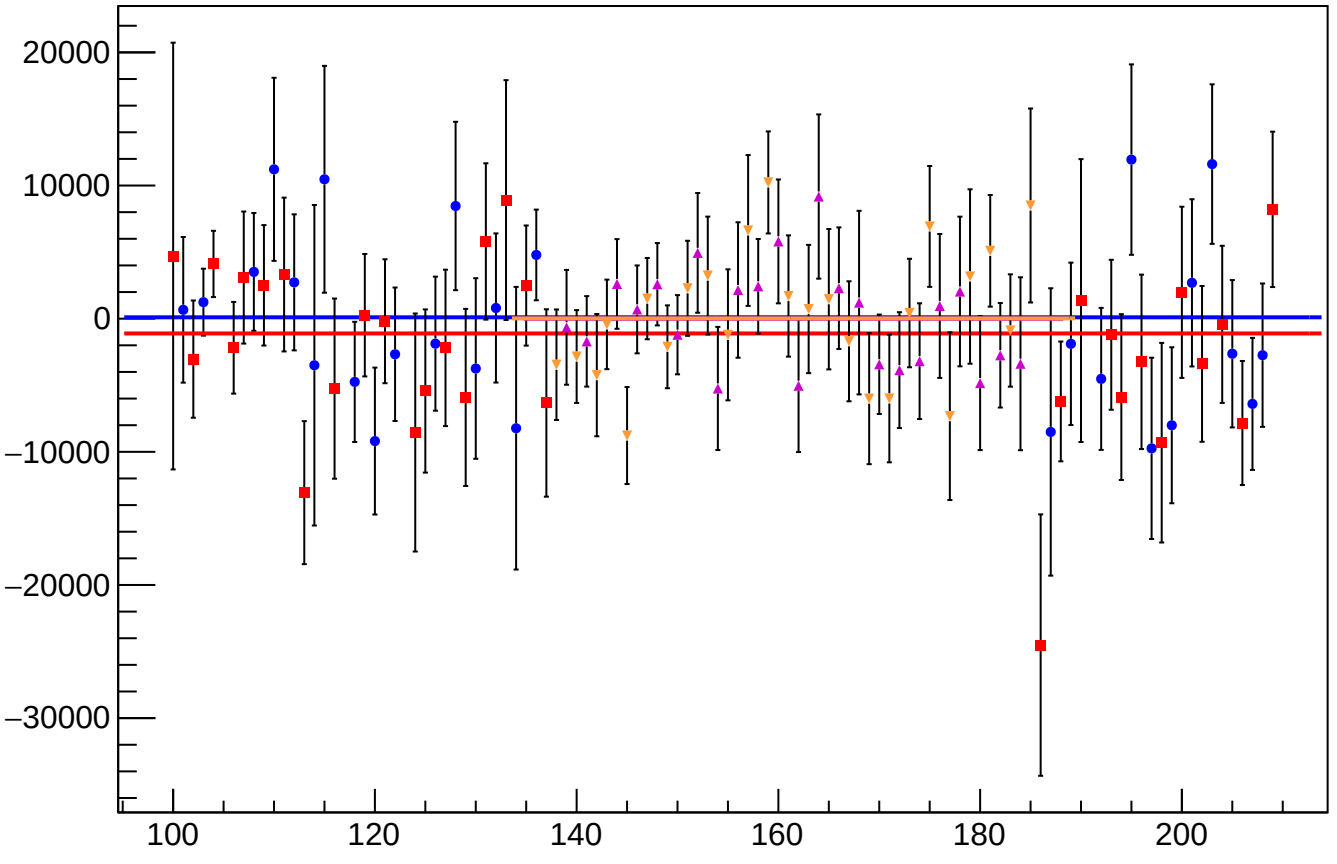
Right Out: 1182.508+/-0.207 χ^2/NDF: 933244.0/30

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.858+/-0.137 χ^2/NDF: 1218074.2/51

All: 1137.509+/-0.097 χ^2/NDF: 2320716.0/10

- sign 1136.166+/-0.137 χ^2/NDF: 1102448.0/53



Right In: 102.939+/-1020.662 χ^2/NDF: 28.7/26

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

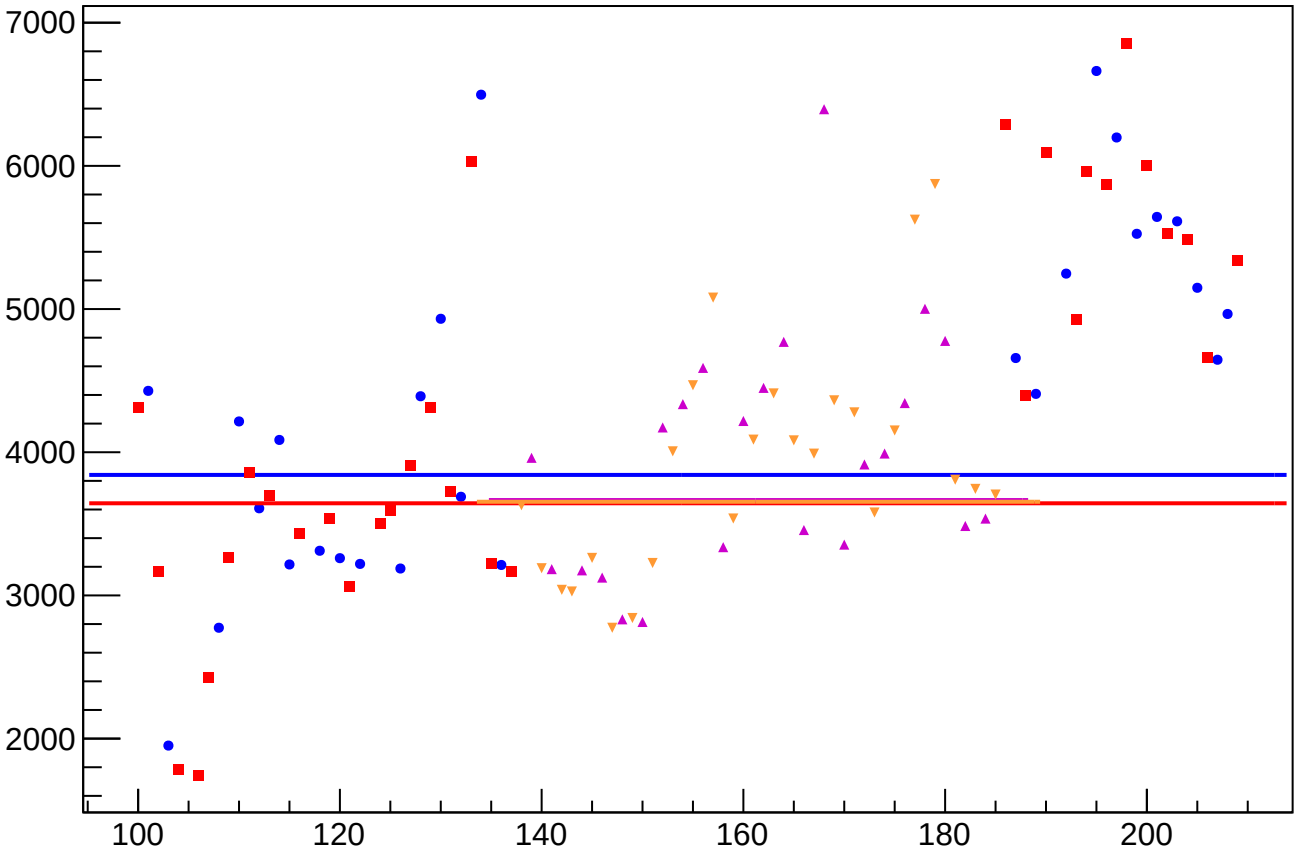
Right Out: -1108.445+/-954.766 χ^2/NDF: 31.7/30

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 55.970+/-653.345 χ^2/NDF: 57.1/51

All: -230.378+/-459.071 χ^2/NDF: 104.0/105

- sign -509.614+/-645.180 χ^2/NDF: 46.5/53


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
7000
6000
5000
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120
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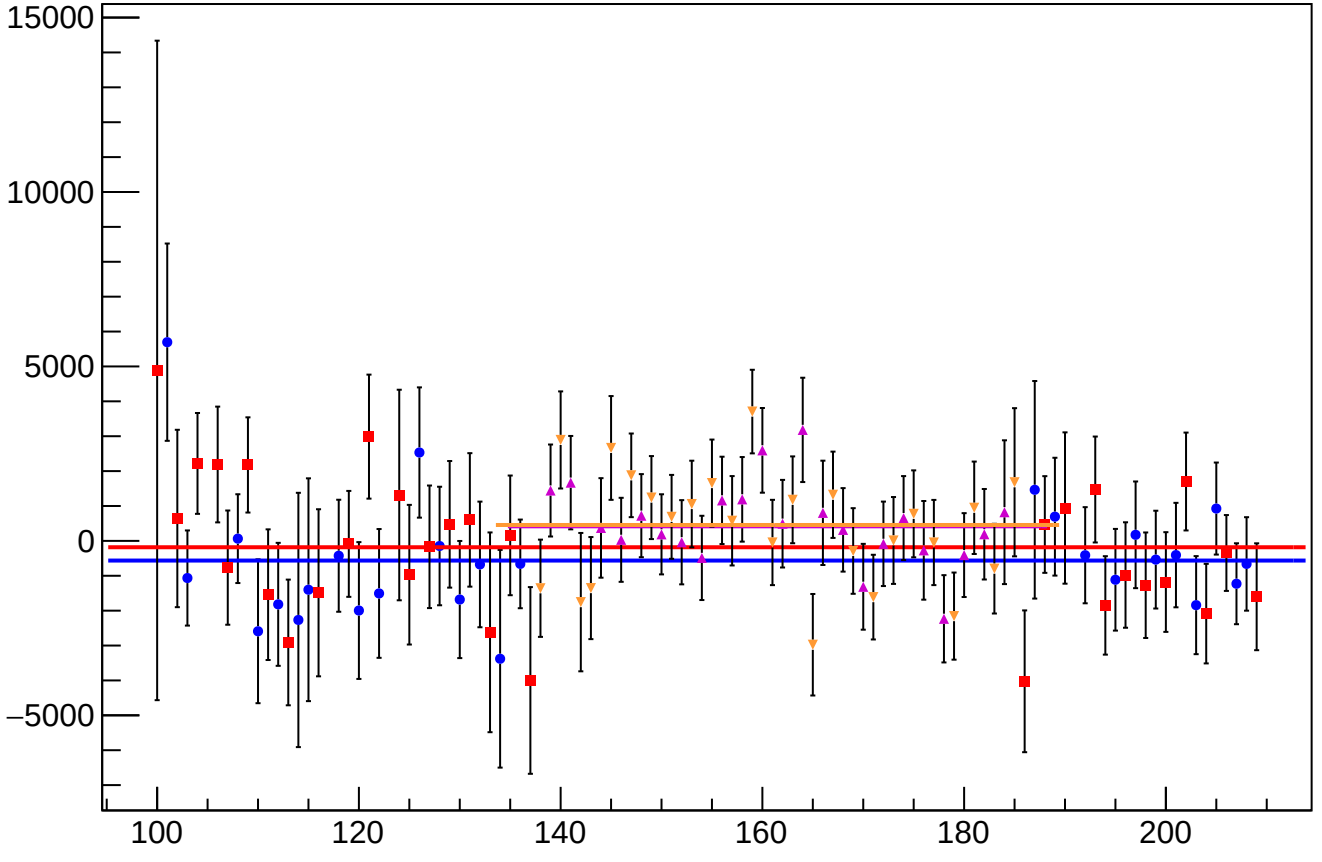
160
180
200
Right In: 3841.616+/-0.722 χ²/NDF: 3143595.2/26
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3643.463+/-0.675 χ²/NDF: 4341311.6/30
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3730.991+/-0.462 χ²/NDF: 4495169.3/51
All: 3692.908+/-0.325 χ²/NDF: 10194225.9/1
- sign 3655.771+/-0.456 χ²/NDF: 5685634.9/53

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -563.914+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -182.469+/-303.624 χ^2/NDF: 30.5/30

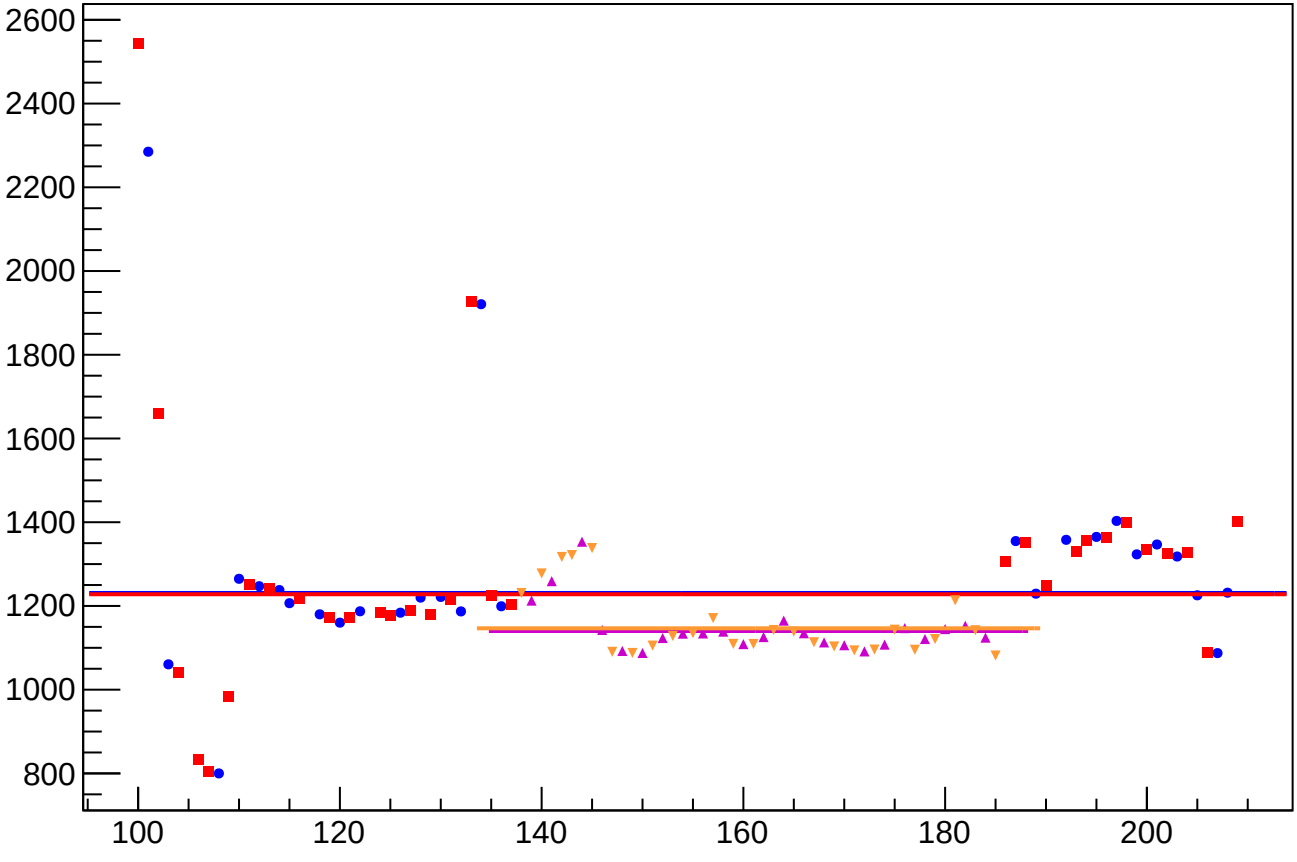
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

\+ sign 37.986+/-200.536 χ^2/NDF: 58.1/51

All: 97.134+/-141.726 χ^2/NDF: 108.4/105

\- sign 156.158+/-200.325 χ^2/NDF: 50.1/53

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1231.002+/-0.222 χ^2/NDF: 768180.9/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.941+/-0.215 χ^2/NDF: 747799.5/30

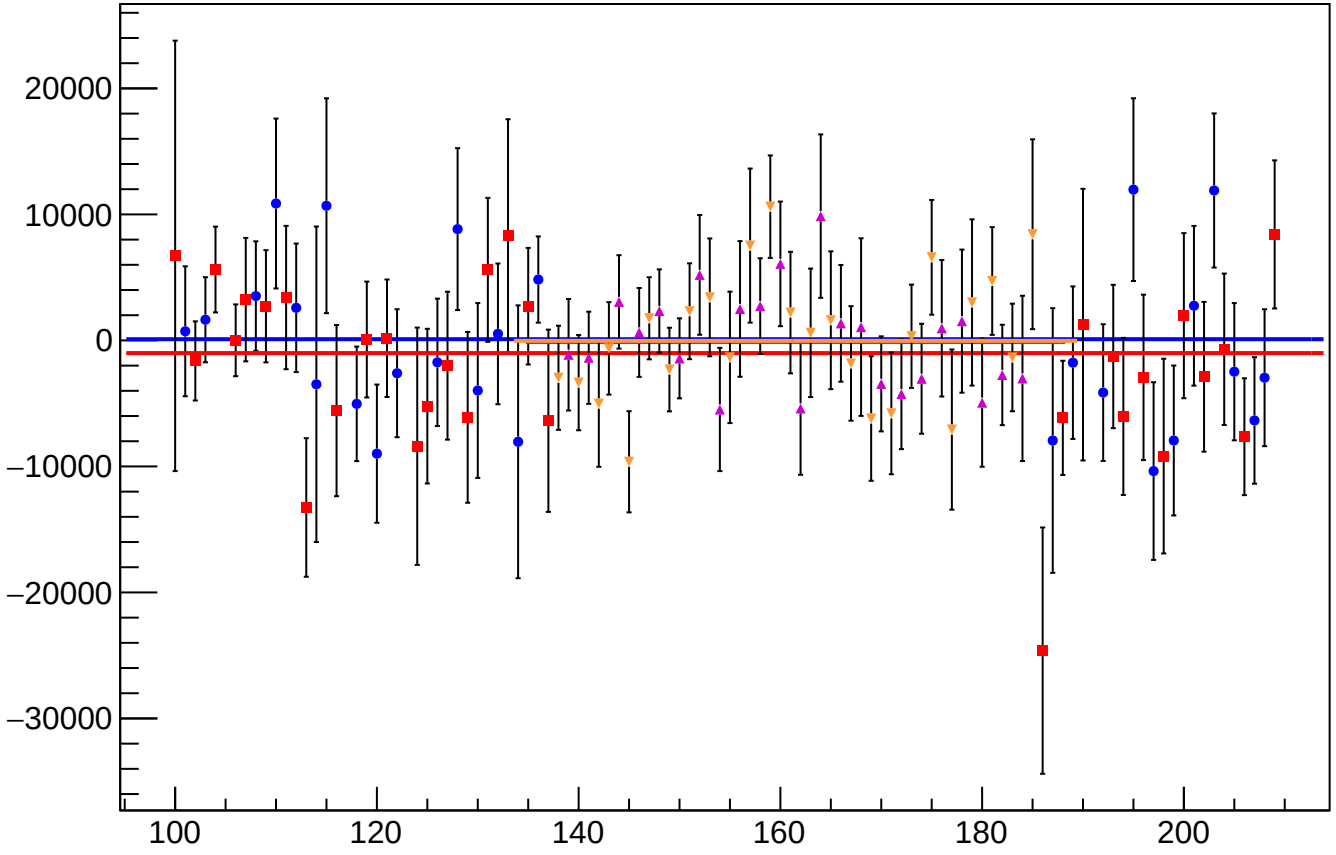
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1181.186+/-0.142 χ^2/NDF: 994849.5/51

All: 1179.785+/-0.100 χ^2/NDF: 1921987.5/10

- sign 1178.386+/-0.142 χ^2/NDF: 926942.8/53

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 96.964+/-1062.273 χ^2/NDF: 28.5/26

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -1004.624+/-952.885 χ^2/NDF: 30.9/30

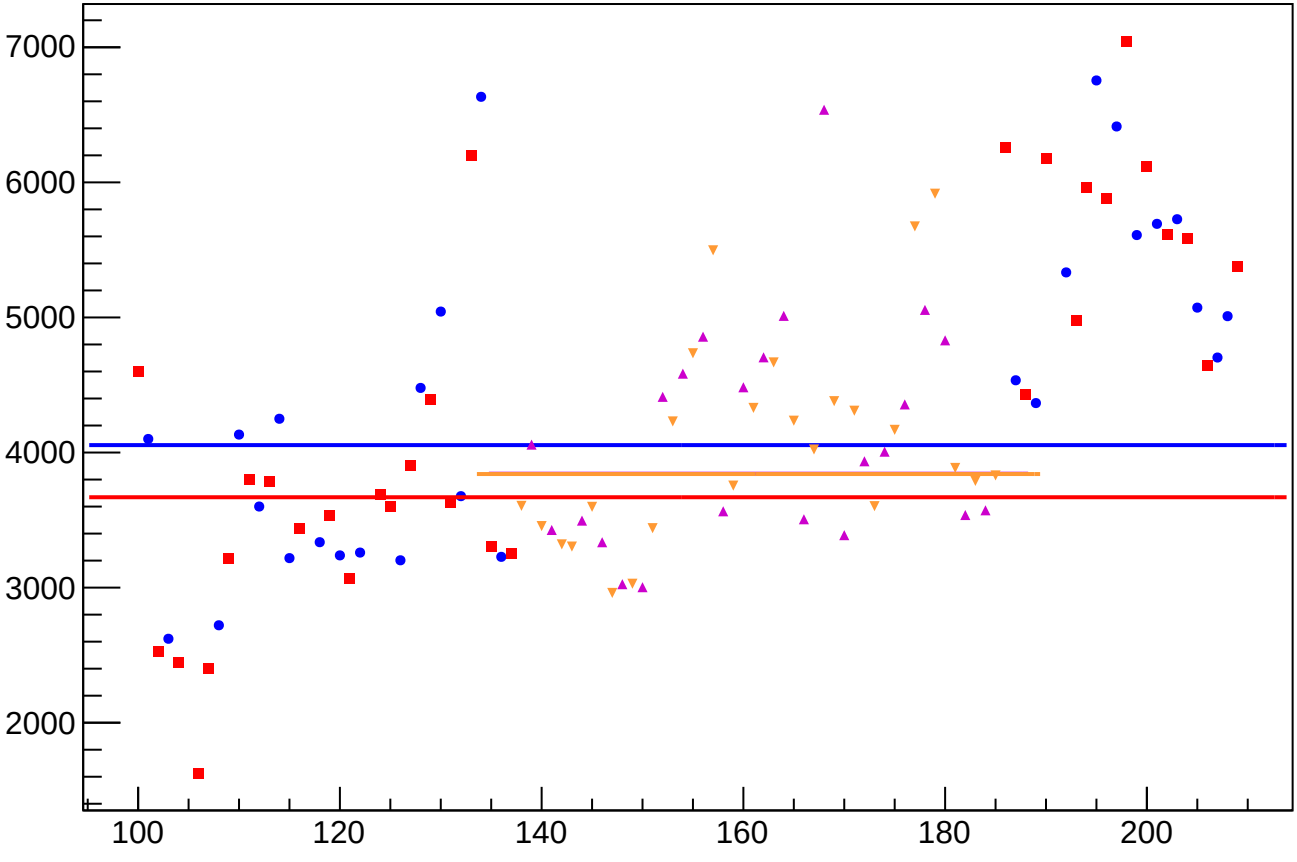
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 20.377+/-682.824 χ^2/NDF: 56.2/51

All: -271.947+/-474.650 χ^2/NDF: 101.7/105

- sign -545.268+/-660.258 χ^2/NDF: 45.2/53

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4055.005+/-0.751 χ^2/NDF: 2280856.6/26

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3669.051+/-0.674 χ^2/NDF: 4196639.3/30

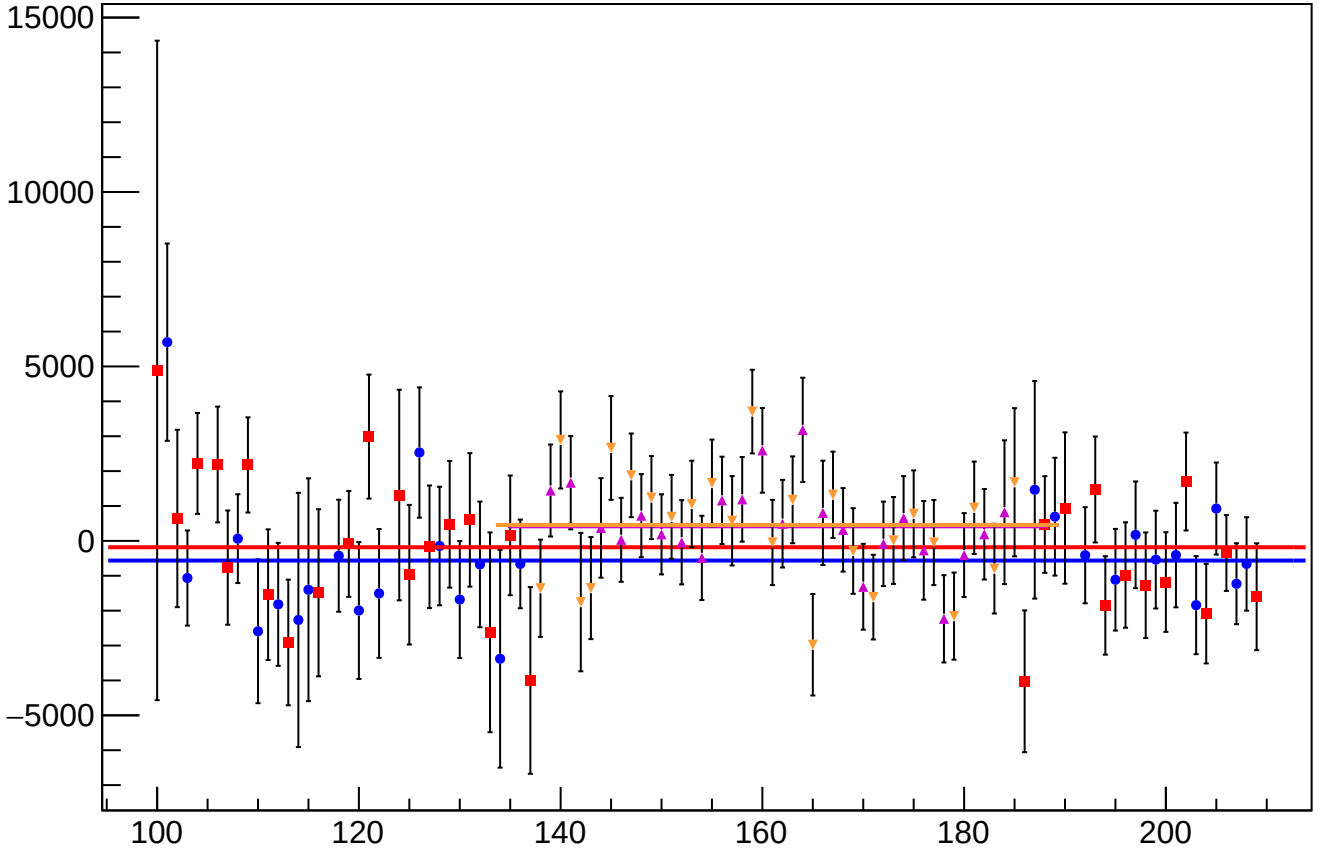
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3929.324+/-0.483 χ^2/NDF: 3447231.7/51

All: 3841.640+/-0.336 χ^2/NDF: 8938526.9/10

- sign 3759.655+/-0.467 χ^2/NDF: 5427477.7/53

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -563.913+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -182.467+/-303.624 χ^2/NDF: 30.5/30

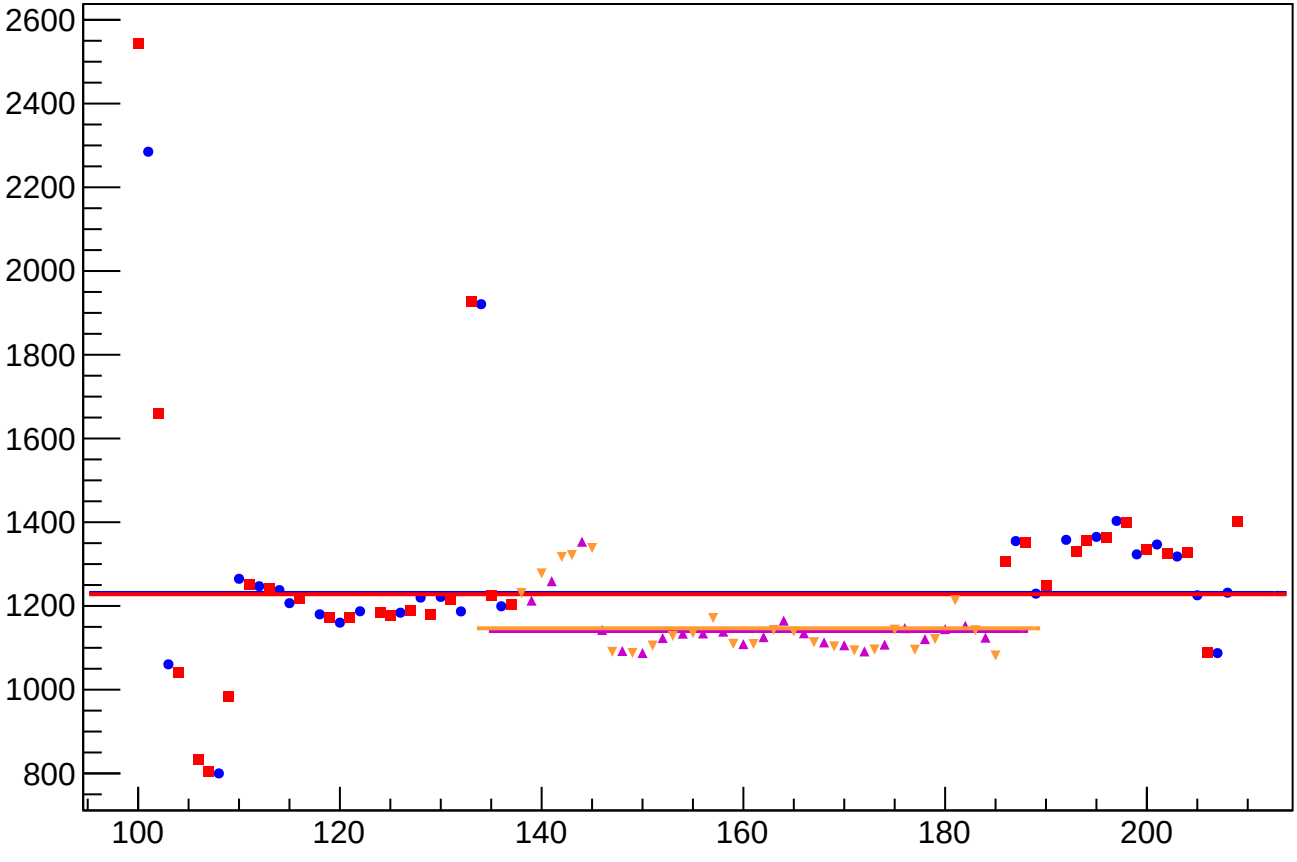
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 37.989+/-200.536 χ^2/NDF: 58.1/51

All: 97.136+/-141.726 χ^2/NDF: 108.4/105

- sign 156.158+/-200.325 χ^2/NDF: 50.1/53

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1231.001+/-0.222 χ^2/NDF: 768181.7/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

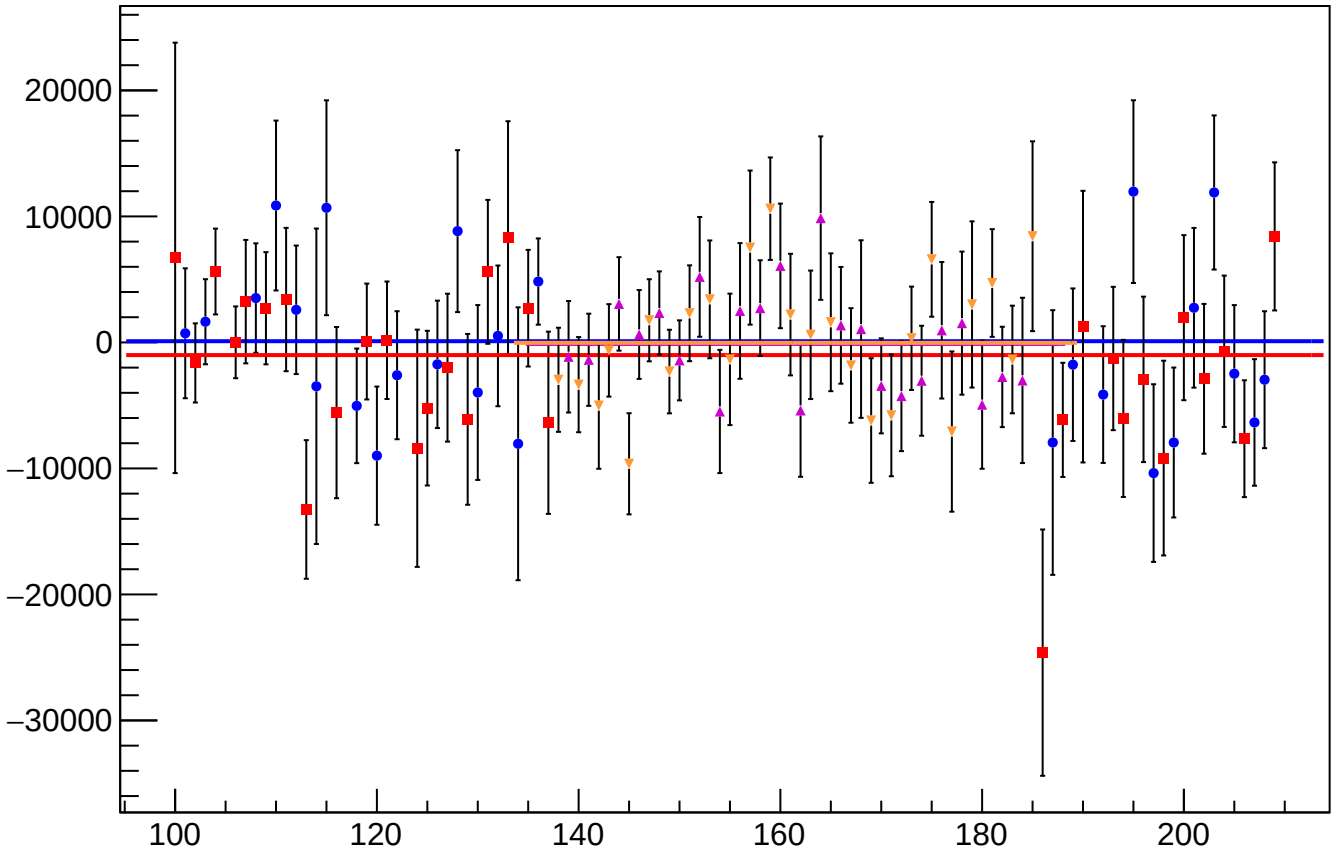
Right Out: 1227.941+/-0.215 χ^2/NDF: 747799.4/30

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1181.186+/-0.142 χ^2/NDF: 994848.8/51

All: 1179.785+/-0.100 χ^2/NDF: 1921985.2/10

- sign 1178.387+/-0.142 χ^2/NDF: 926941.2/53



Right In: 96.955+/-1062.272 χ^2/NDF: 28.5/26

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

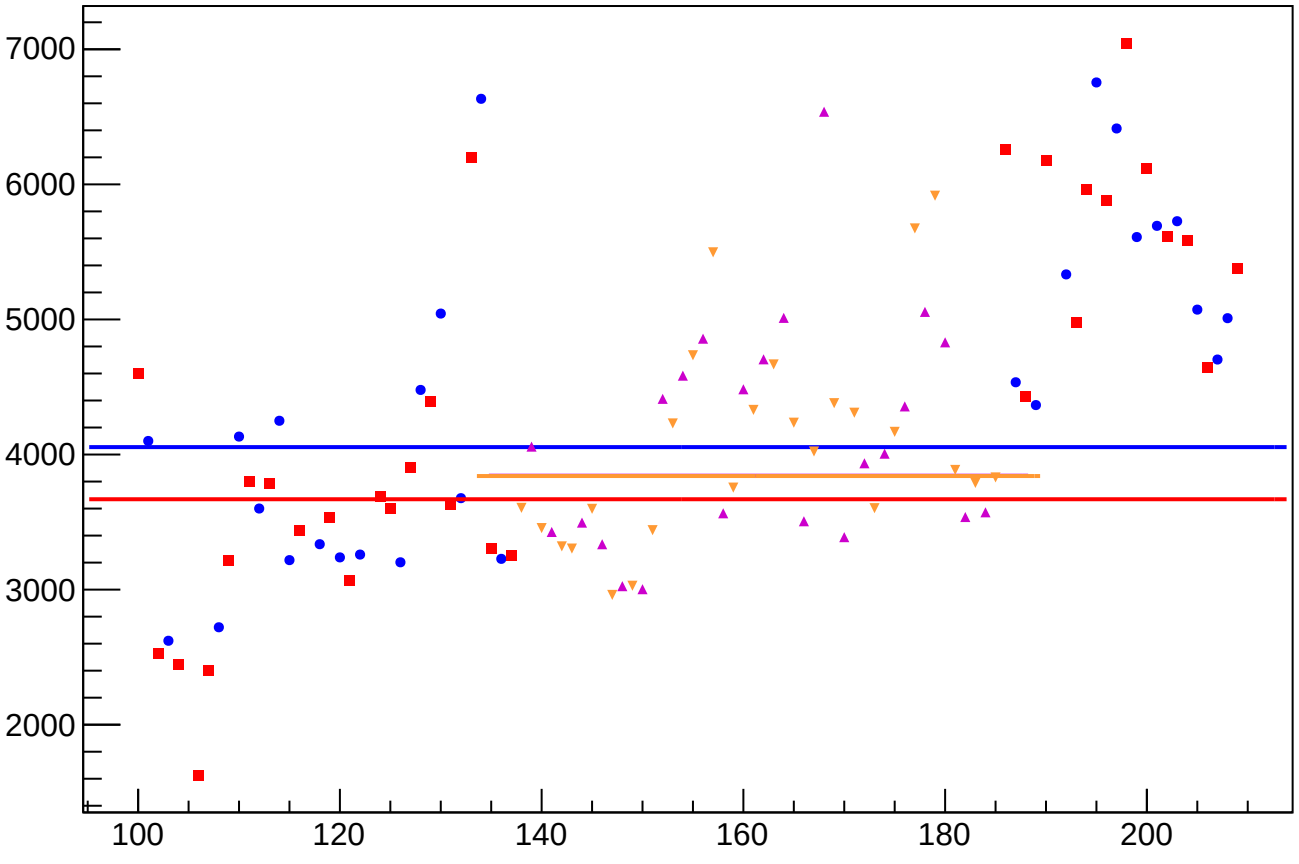
Right Out: -1004.617+/-952.884 χ^2/NDF: 30.9/30

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 20.374+/-682.824 χ^2/NDF: 56.2/51

All: -271.948+/-474.650 χ^2/NDF: 101.7/105

- sign -545.268+/-660.258 χ^2/NDF: 45.2/53



Right In: 4055.003+/-0.751 χ^2/NDF: 2280867.6/26

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3669.047+/-0.674 χ^2/NDF: 4196661.9/30

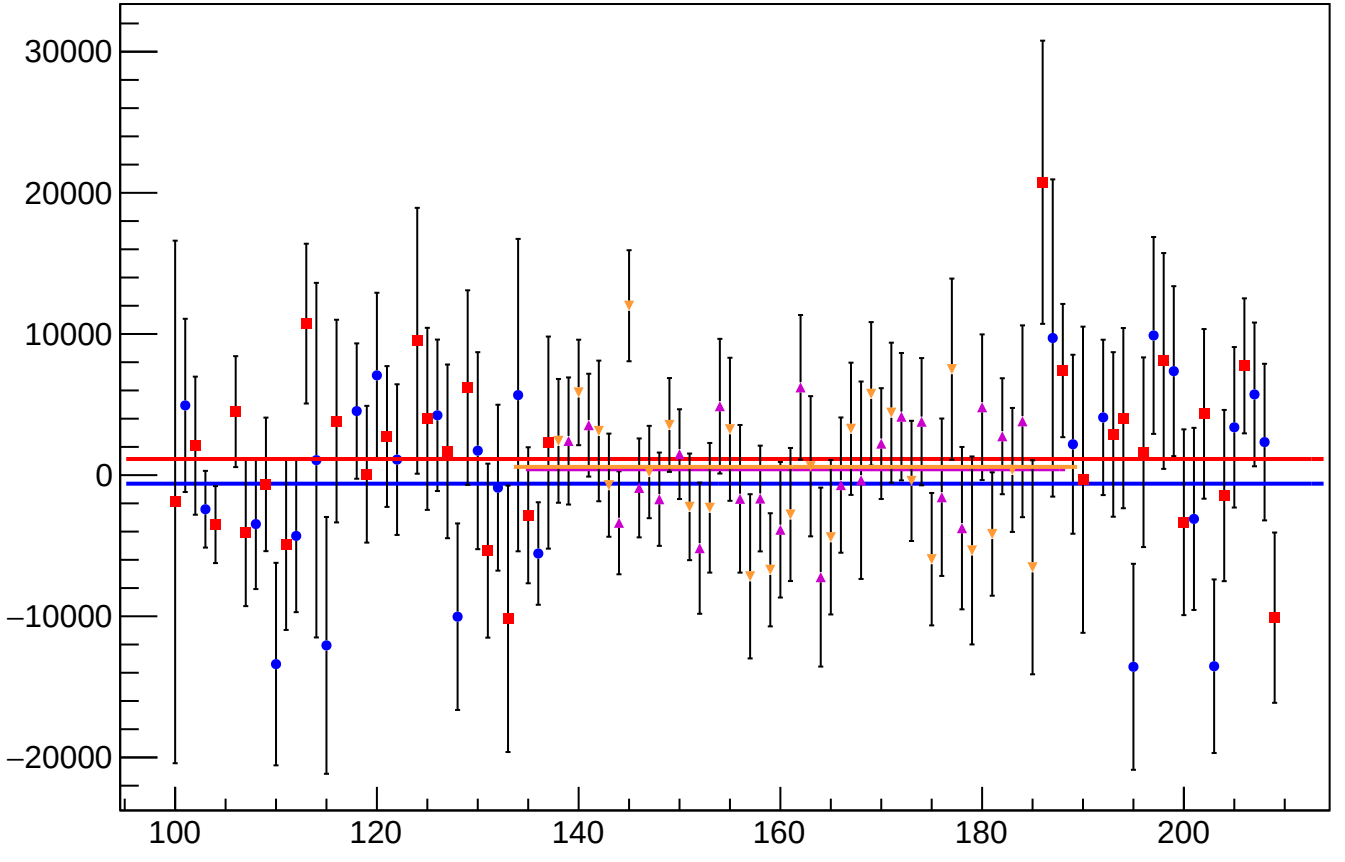
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3929.327+/-0.483 χ^2/NDF: 3447241.0/51

All: 3841.641+/-0.336 χ^2/NDF: 8938567.9/10

- sign 3759.655+/-0.467 χ^2/NDF: 5427507.8/53

asym_usr_atr2_dd_mean vs Slug



Right In: -604.852+/-1074.992 χ^2/NDF: 30.8/26

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1144.308+/-1013.863 χ^2/NDF: 26.8/30

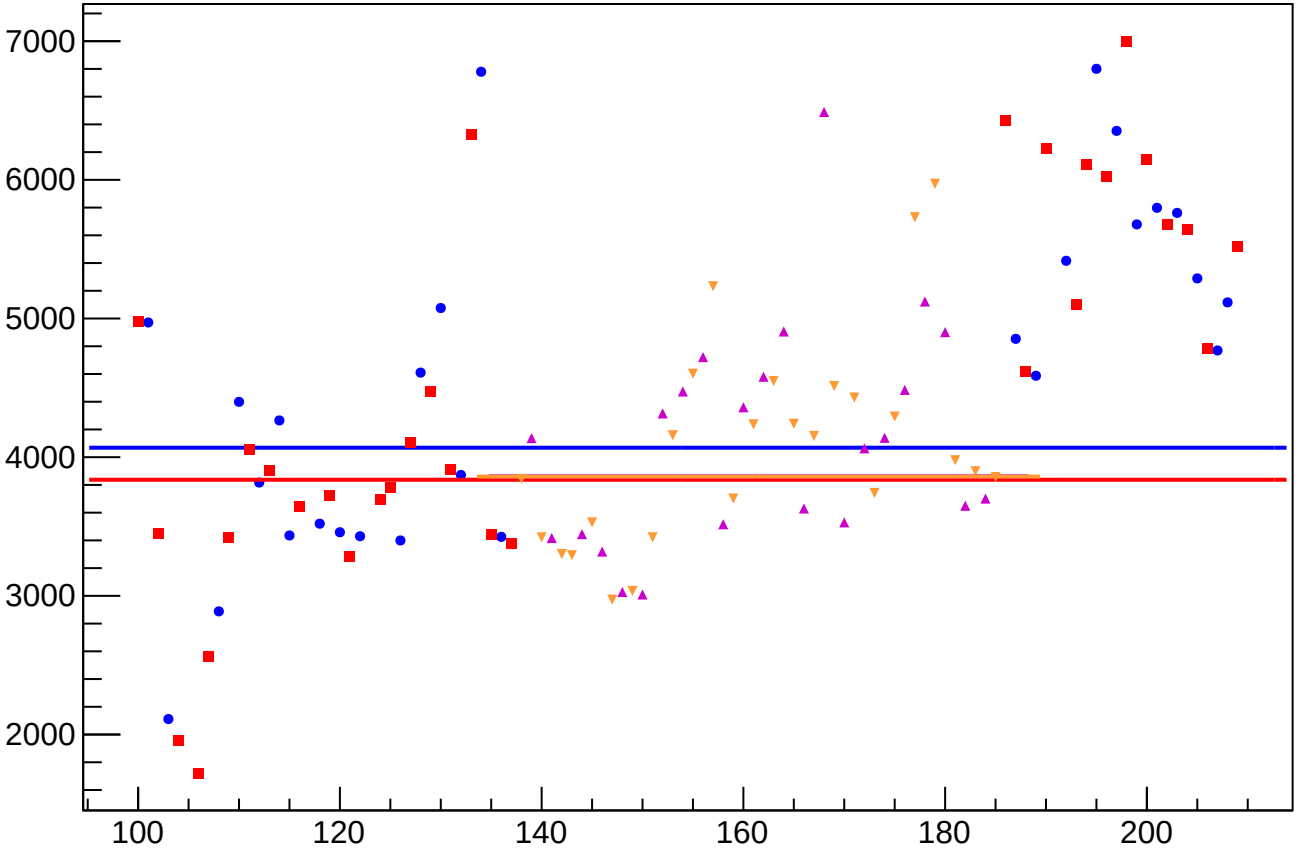
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 96.934+/-687.773 χ^2/NDF: 59.0/51

All: 424.187+/-483.883 χ^2/NDF: 99.0/105

- sign 744.939+/-680.907 χ^2/NDF: 39.6/53

asym_usr_atr2_dd_rms vs Slug



Right In: 4068.416+/-0.760 χ^2/NDF: 2855872.6/26

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

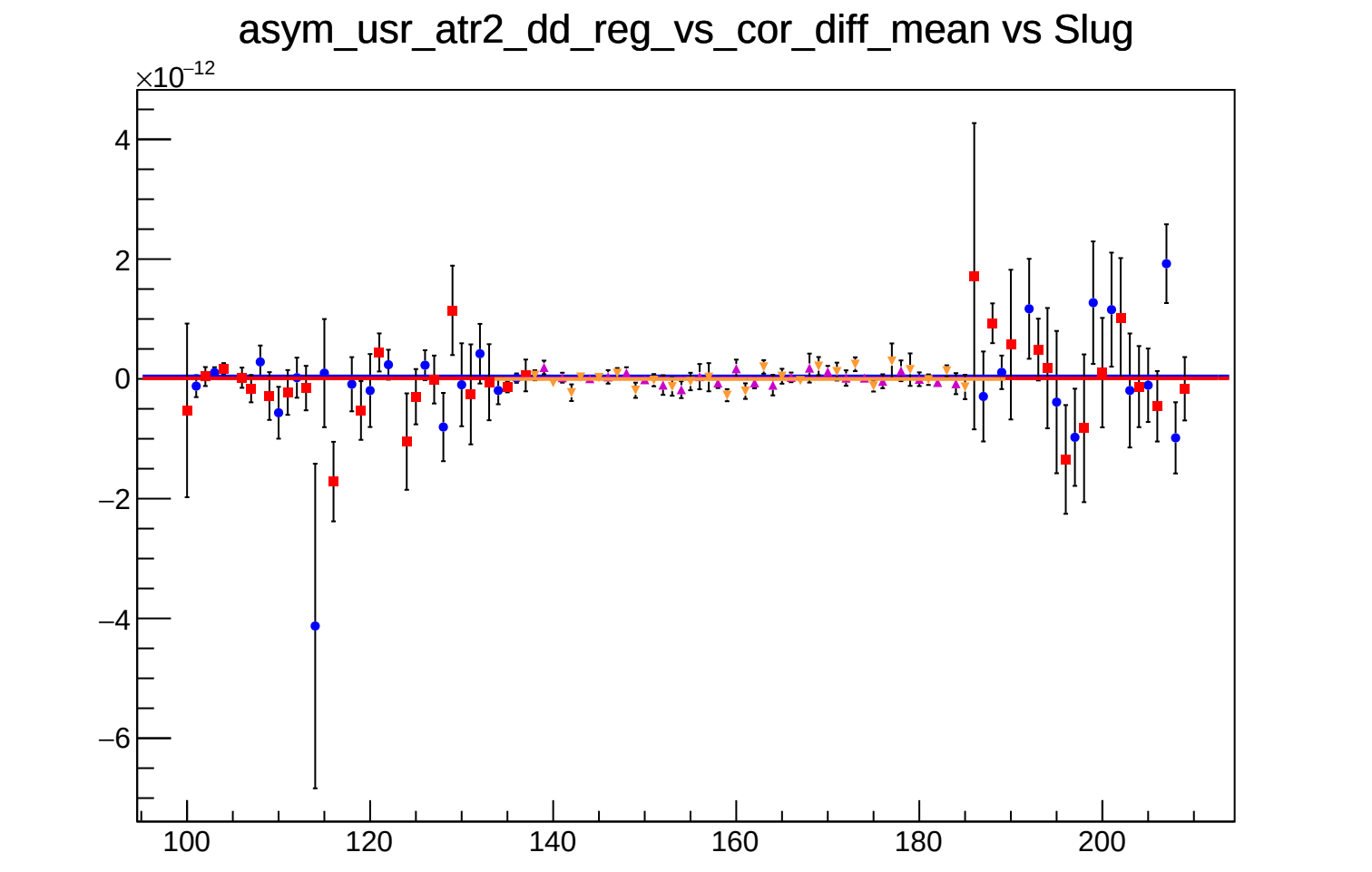
Right Out: 3837.422+/-0.709 χ^2/NDF: 4137265.5/30

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

\+ sign 3945.629+/-0.486 χ^2/NDF: 3997340.9/51

All: 3897.568+/-0.341 χ^2/NDF: 9296695.7/10

\- sign 3850.957+/-0.479 χ^2/NDF: 5280116.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

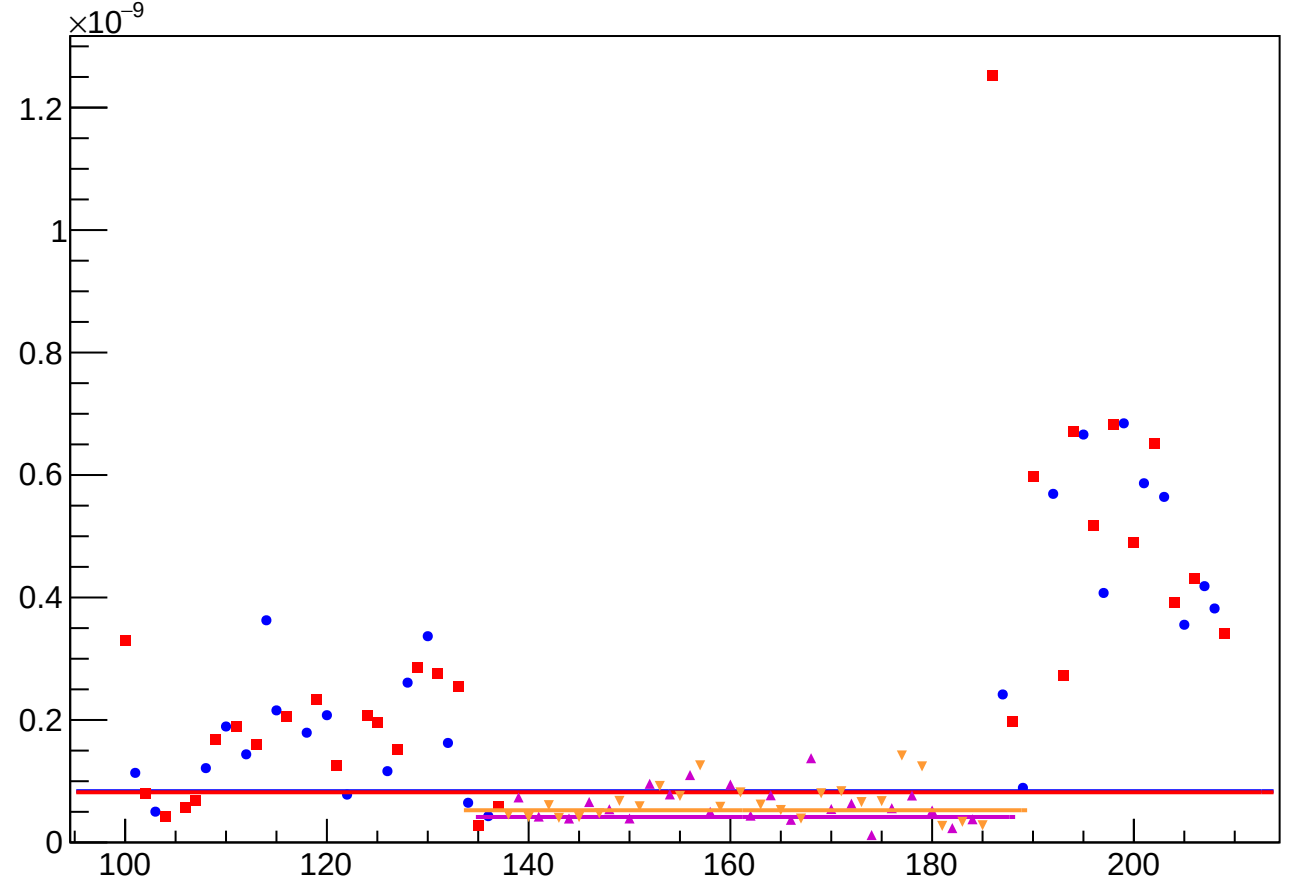
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/30

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/51

All: 0.000+/-0.000 χ^2/NDF: 113.3/105

- sign 0.000+/-0.000 χ^2/NDF: 48.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 6636662.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8074658.8/30

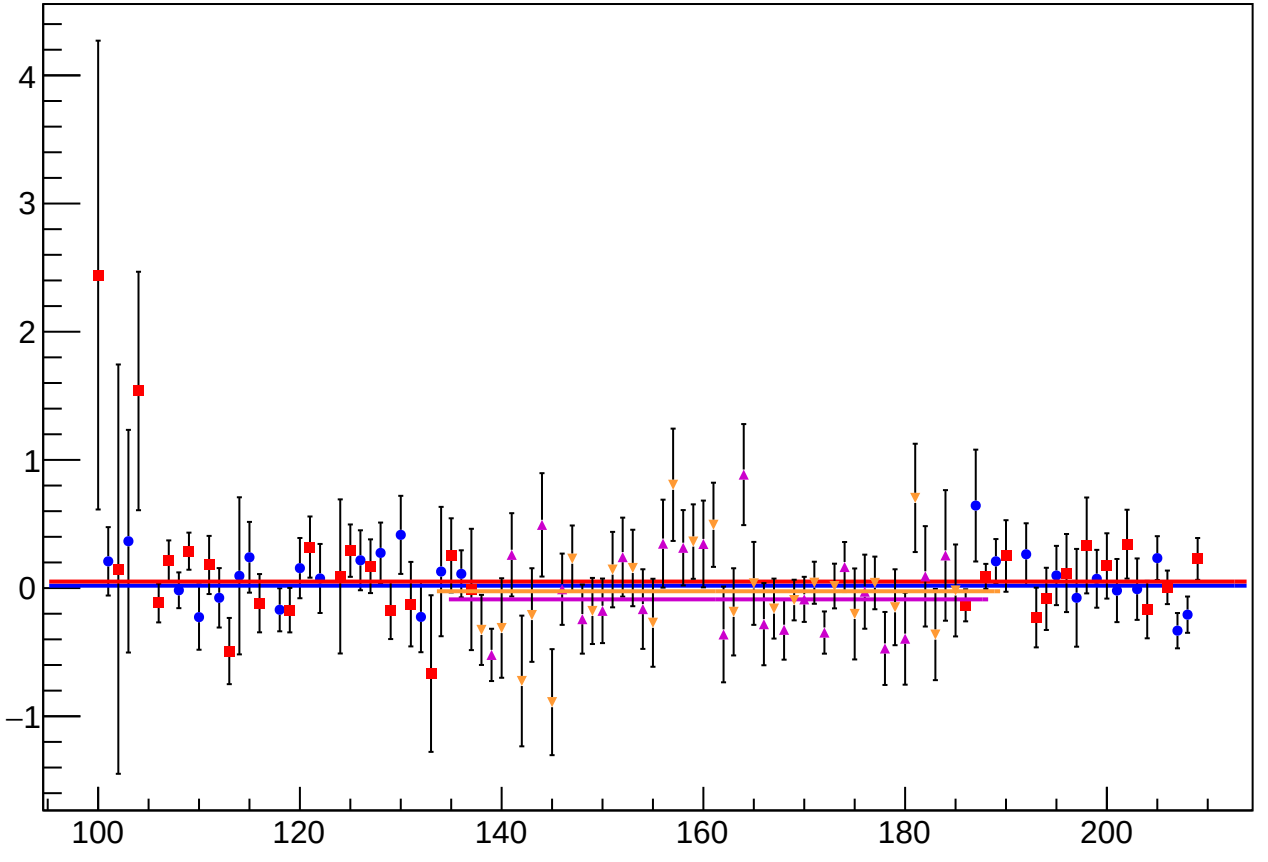
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8965307.5/51

All: 0.000+/-0.000 χ^2/NDF: 21512507.0/105

- sign 0.000+/-0.000 χ^2/NDF: 12230193.5/53

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.051+/-0.037 χ^2/NDF: 31.2/30

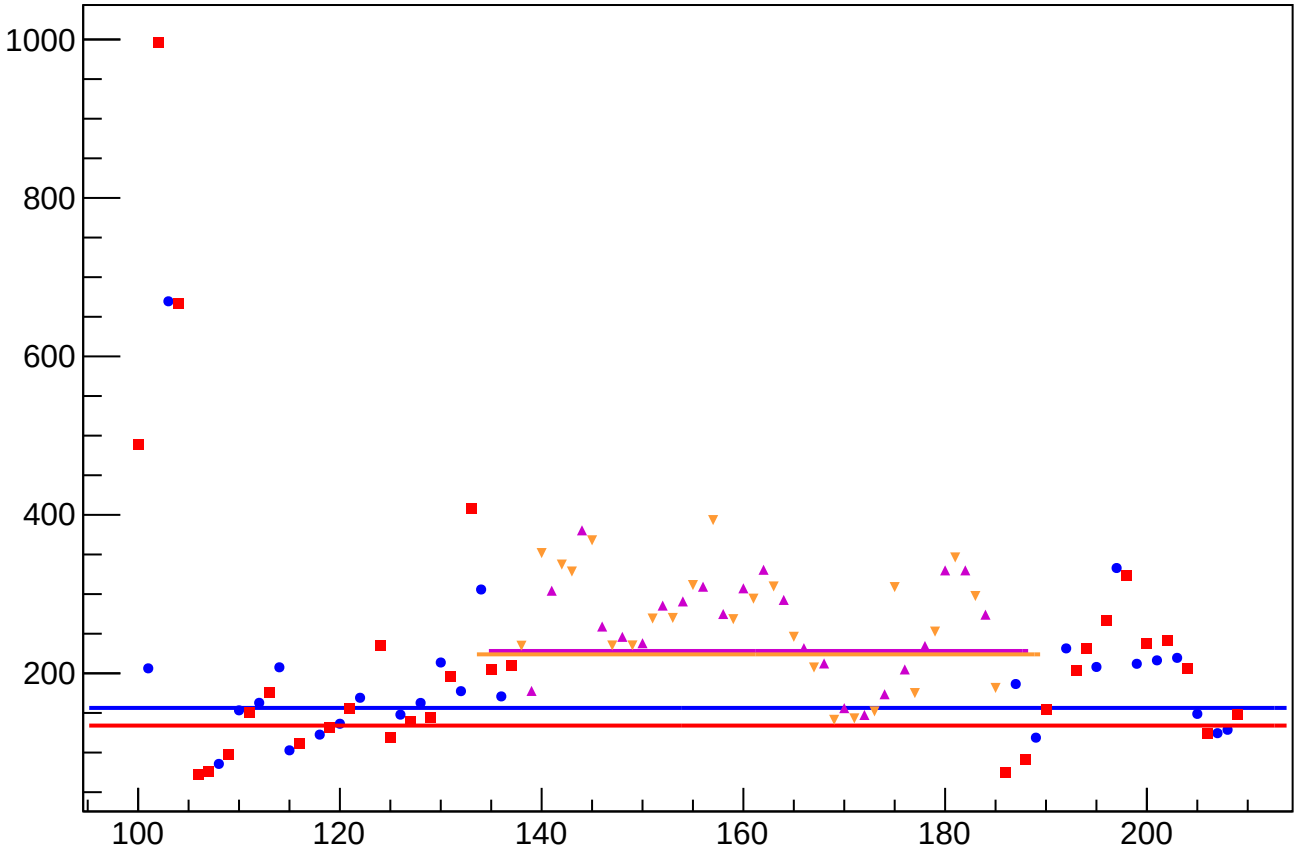
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.002+/-0.034 χ^2/NDF: 48.5/51

All: 0.006+/-0.023 χ^2/NDF: 113.9/105

- sign 0.009+/-0.031 χ^2/NDF: 65.4/53

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.052+/-0.026 χ^2/NDF: 5996445.0/30

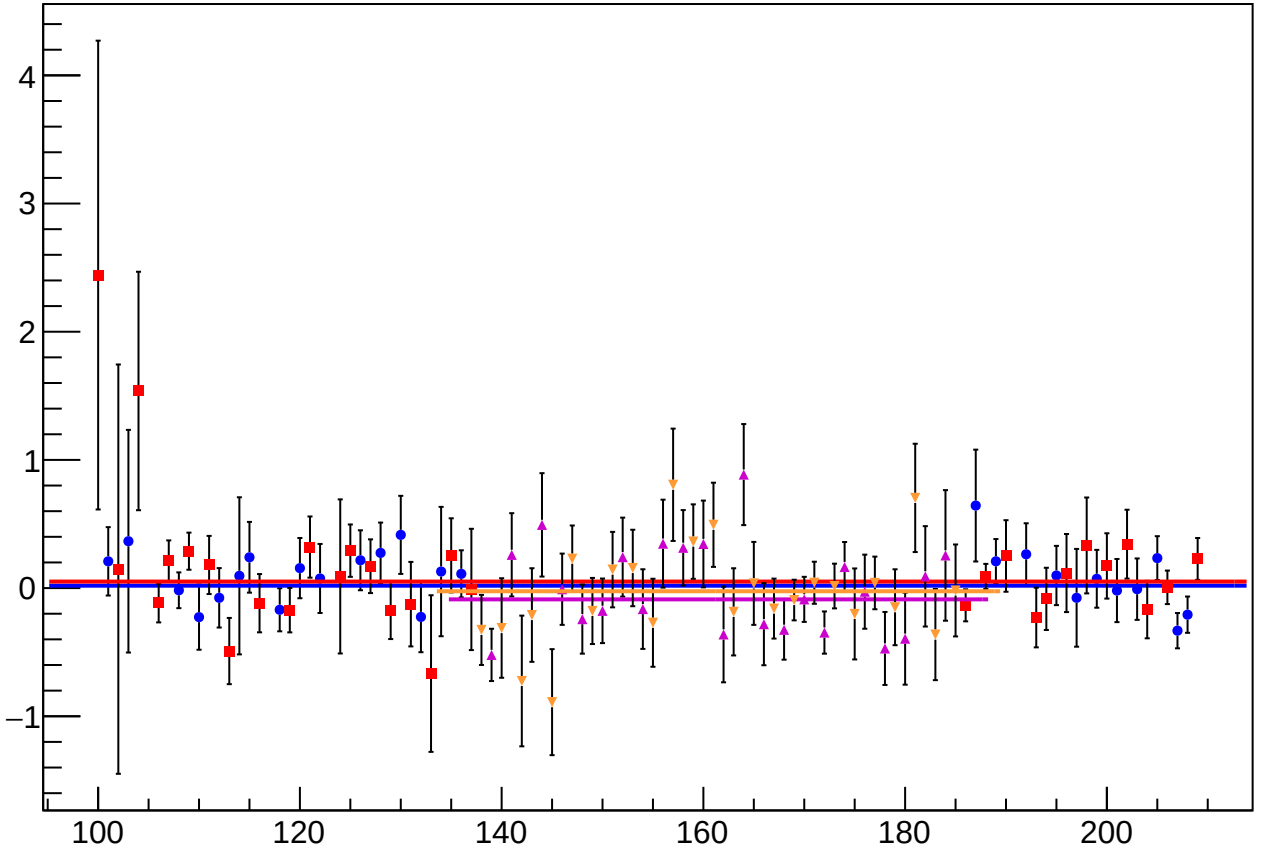
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 181.977+/-0.024 χ^2/NDF: 8480251.7/51

All: 171.586+/-0.016 χ^2/NDF: 21167252.2/10

- sign 162.631+/-0.022 χ^2/NDF: 12331425.0/53

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

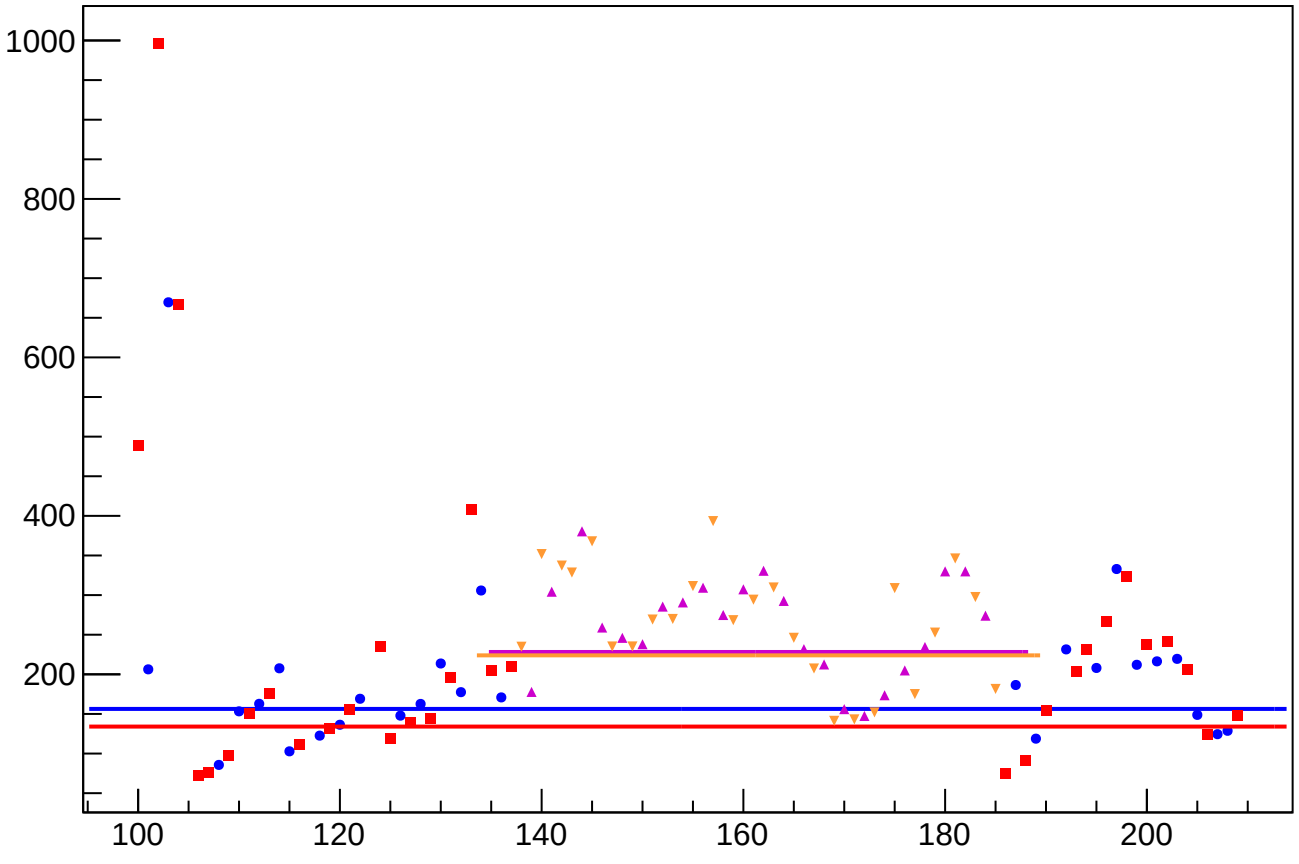
Right Out: 0.051+/-0.037 χ^2/NDF: 31.2/30

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.002+/-0.034 χ^2/NDF: 48.5/51

All: 0.006+/-0.023 χ^2/NDF: 113.9/105

- sign 0.009+/-0.031 χ^2/NDF: 65.4/53



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

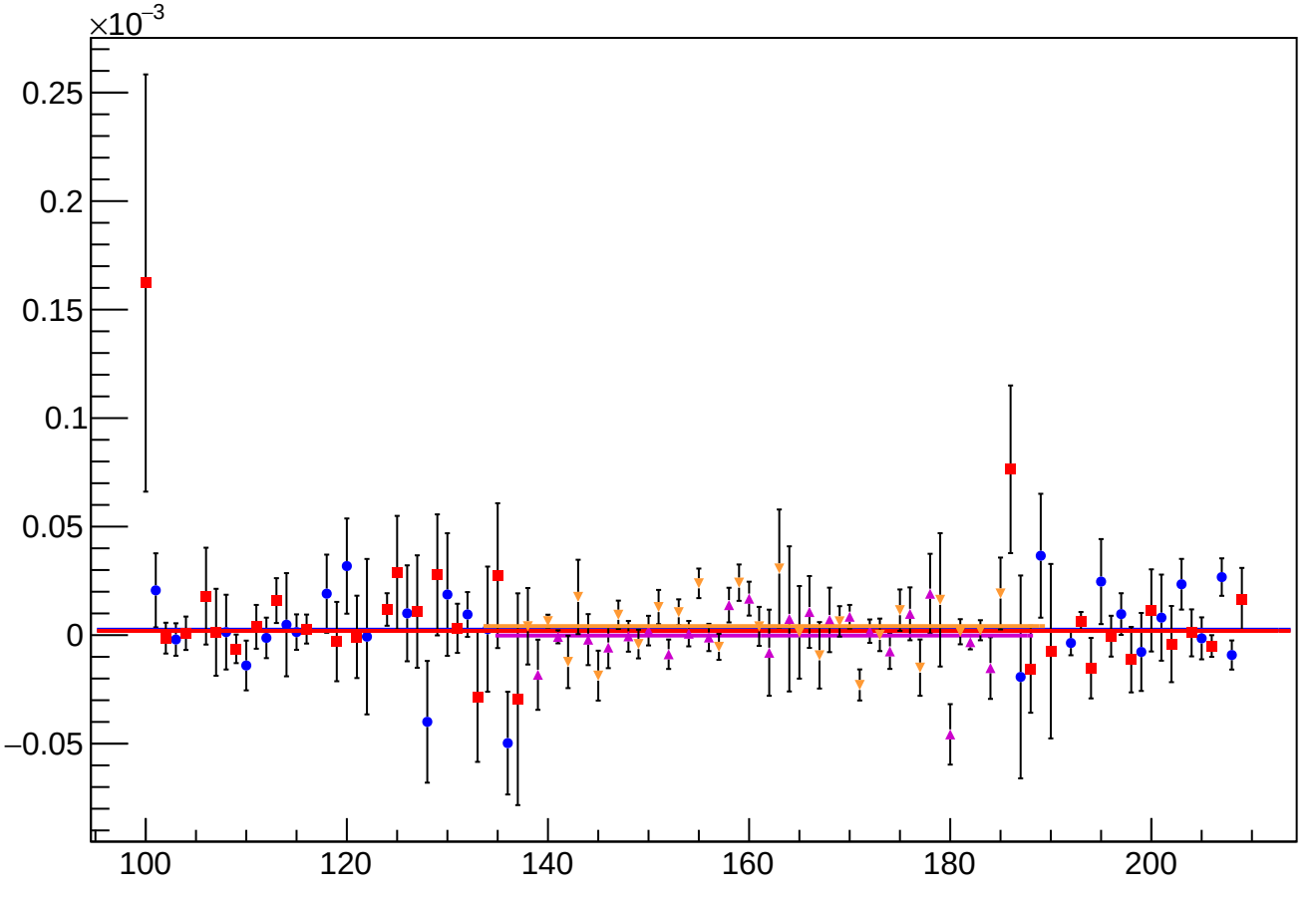
Right Out: 134.052+/-0.026 χ^2/NDF: 5996445.0/30

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 181.977+/-0.024 χ^2/NDF: 8480251.7/51

All: 171.586+/-0.016 χ^2/NDF: 21167252.2/10

- sign 162.631+/-0.022 χ^2/NDF: 12331425.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/30

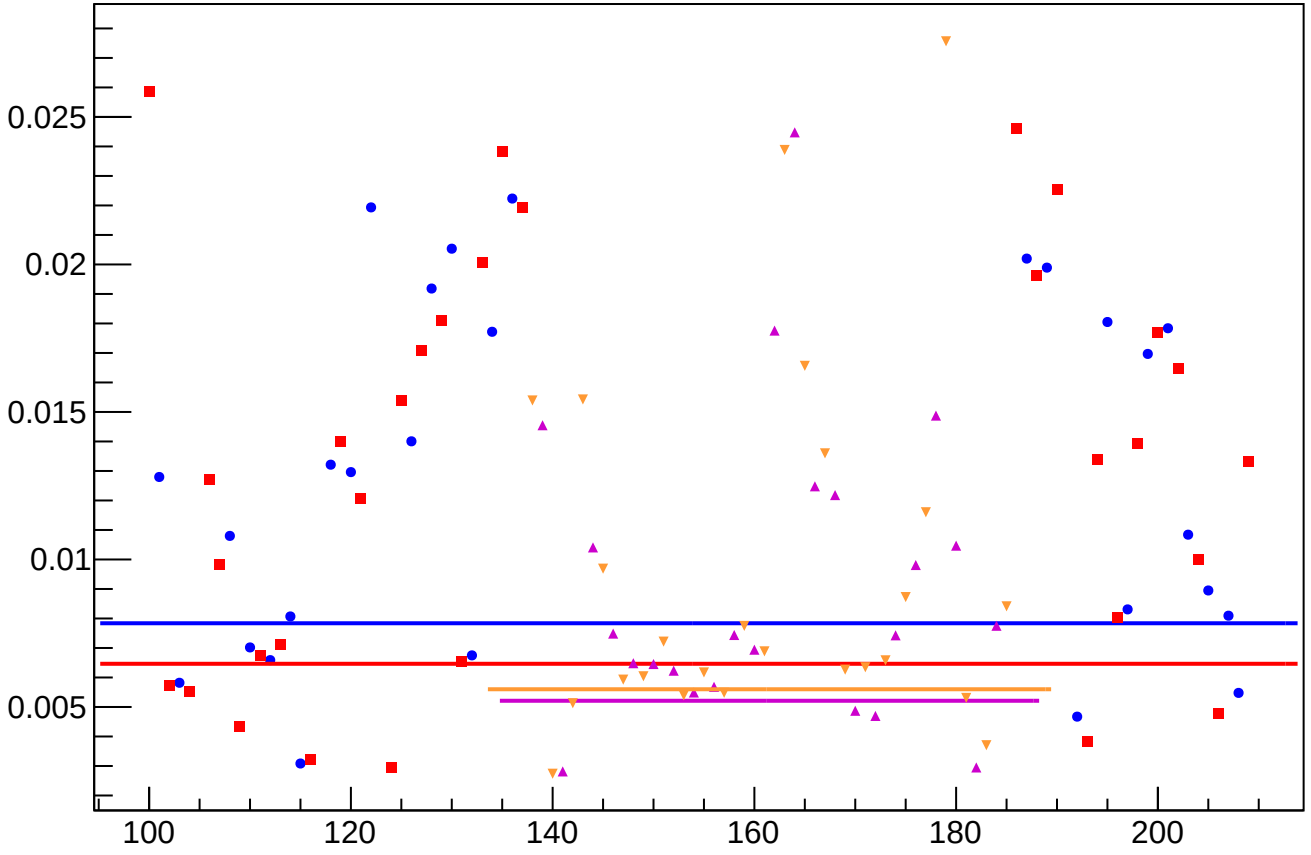
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.0/51

All: 0.000+/-0.000 χ^2/NDF: 141.3/105

- sign 0.000+/-0.000 χ^2/NDF: 54.9/53

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 6681051.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

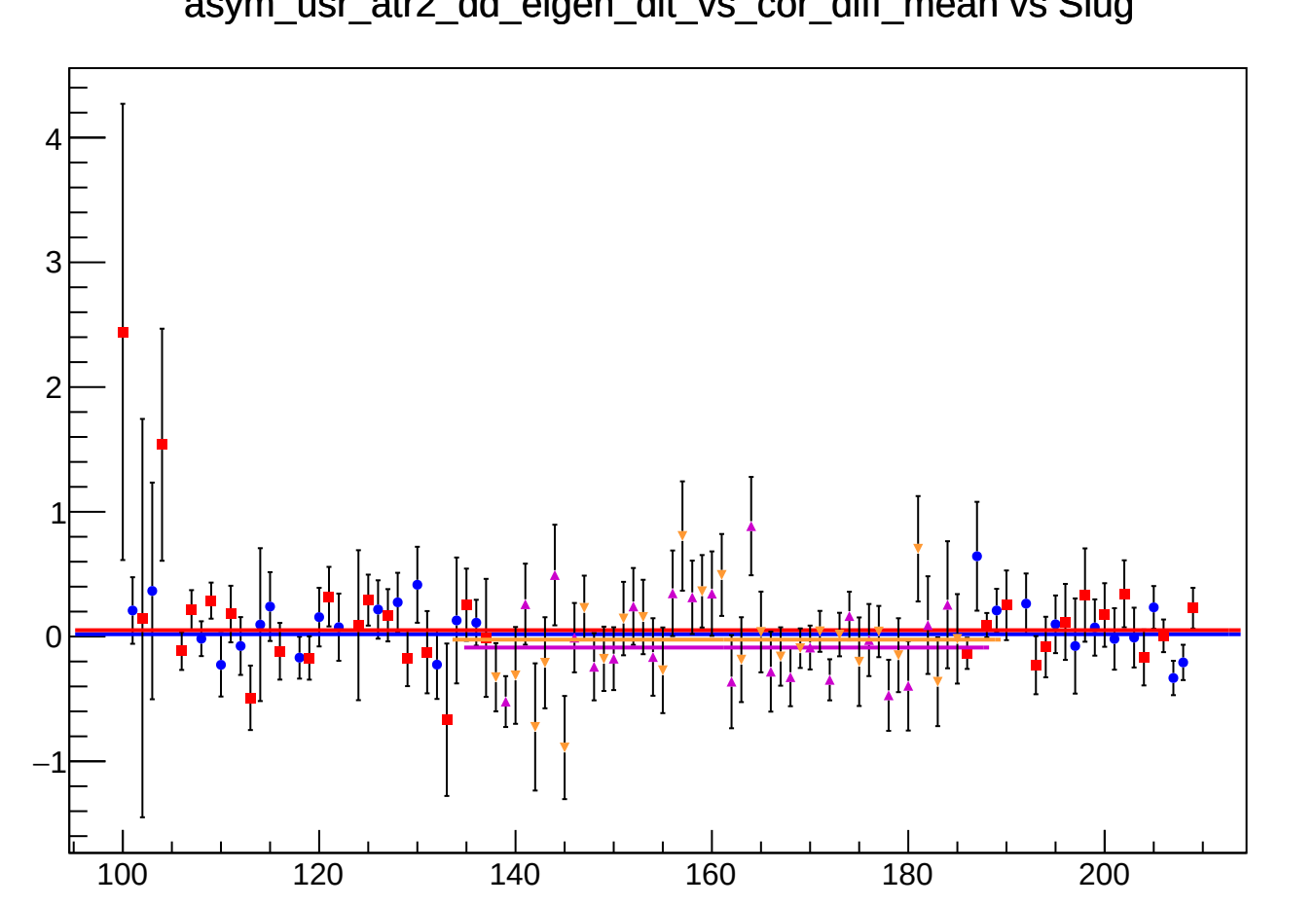
Right Out: 0.006+/-0.000 χ^2/NDF: 9682451.4/30

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 15794516.7/51

All: 0.006+/-0.000 χ^2/NDF: 33734182.3/105

- sign 0.006+/-0.000 χ^2/NDF: 17701493.8/53



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.051+/-0.037 χ^2/NDF: 31.2/30

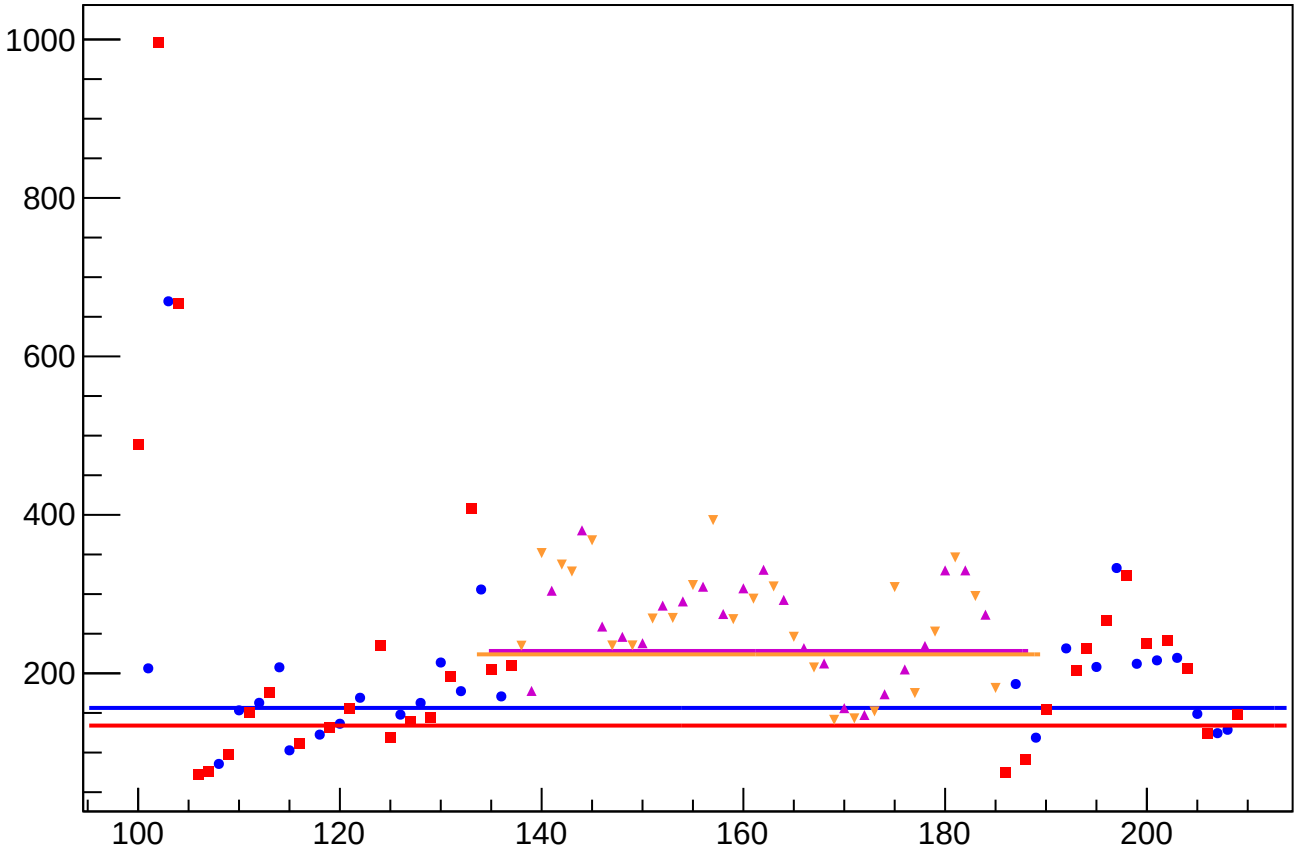
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.002+/-0.034 χ^2/NDF: 48.5/51

All: 0.006+/-0.023 χ^2/NDF: 113.9/105

- sign 0.009+/-0.031 χ^2/NDF: 65.4/53

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

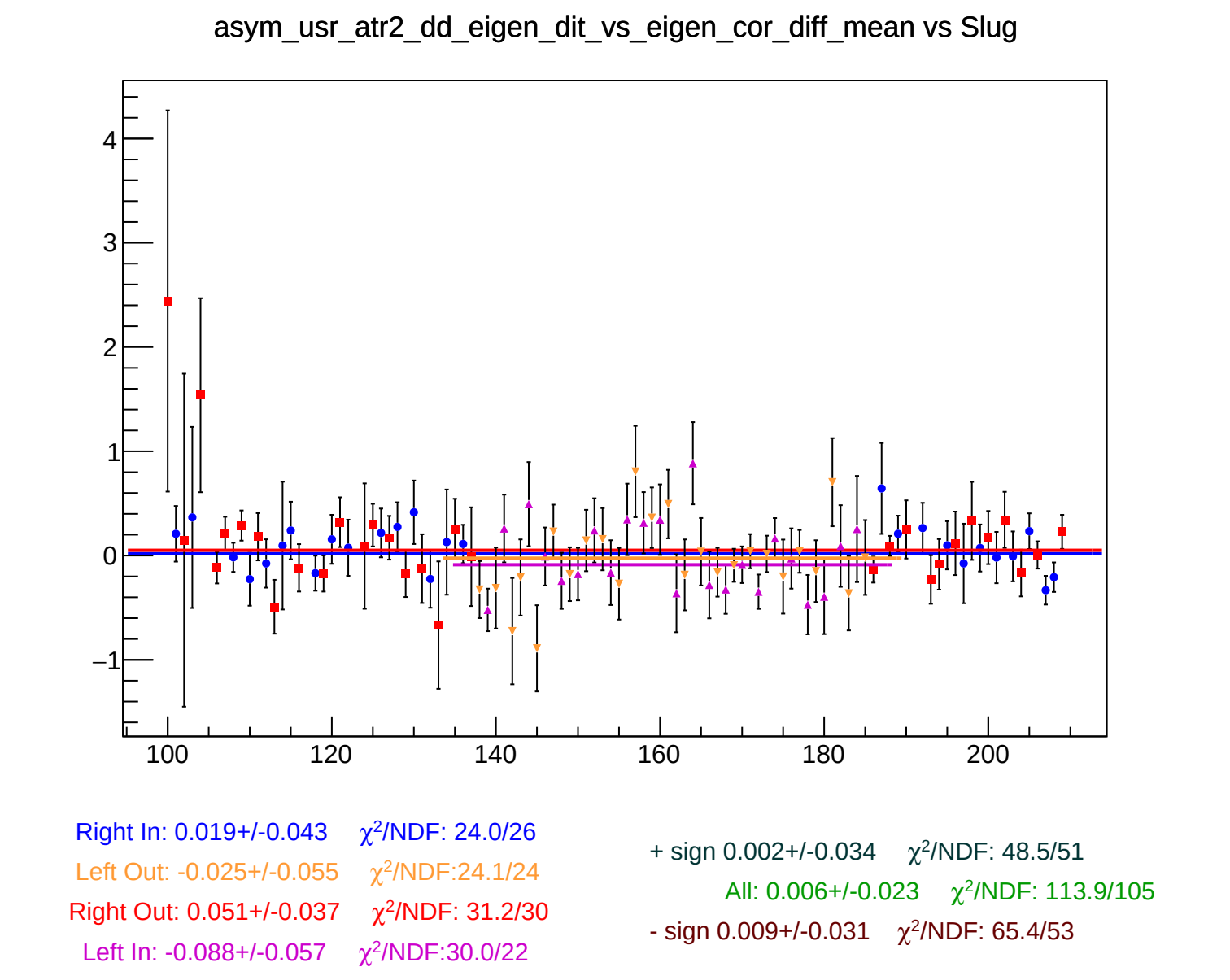
Right Out: 134.056+/-0.026 χ^2/NDF: 5995955.3/30

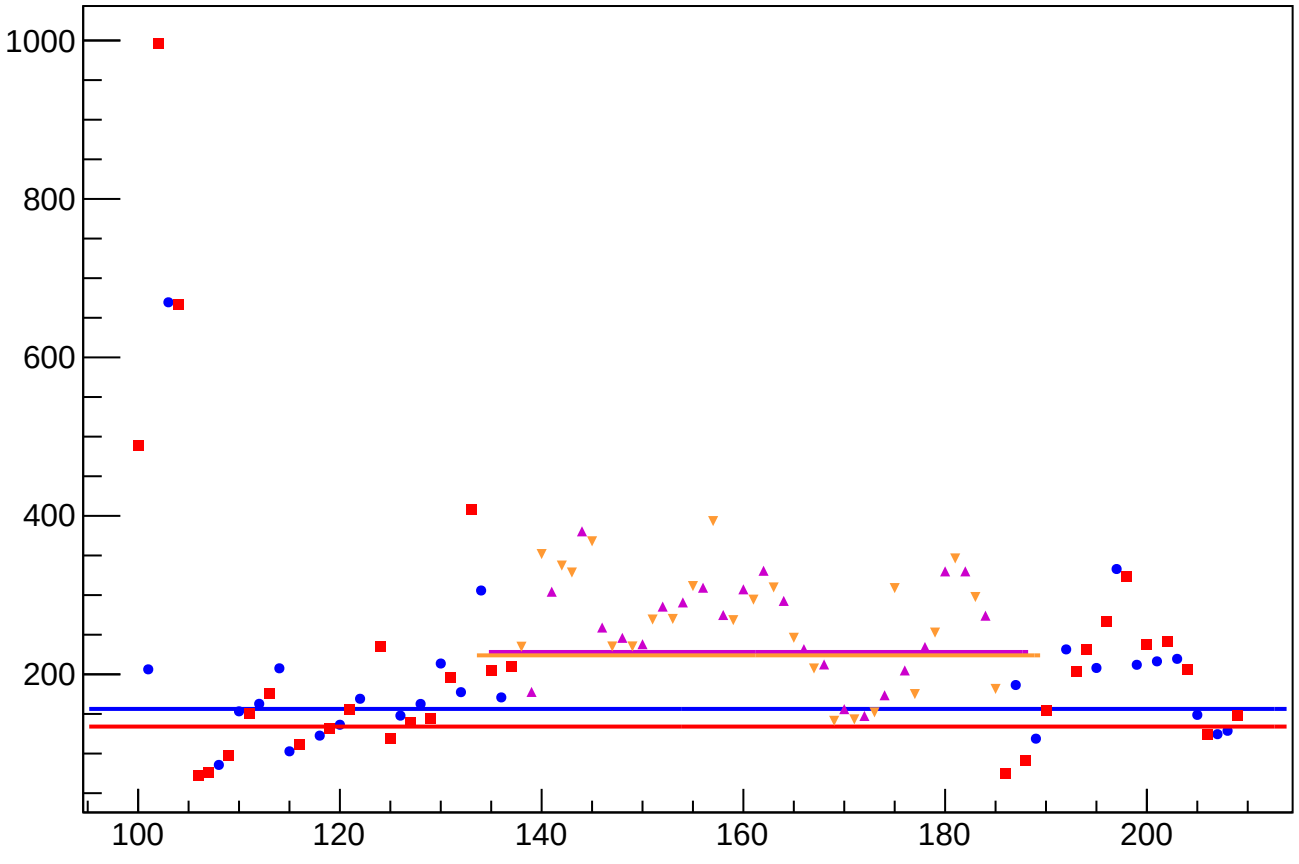
Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 181.975+/-0.024 χ^2/NDF: 8480713.8/51

All: 171.588+/-0.016 χ^2/NDF: 21166745.3/10

- sign 162.635+/-0.022 χ^2/NDF: 12330665.8/53


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.019+/-0.043 χ²/NDF: 24.0/26
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.051+/-0.037 χ²/NDF: 31.2/30
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.002+/-0.034 χ²/NDF: 48.5/51
All: 0.006+/-0.023 χ²/NDF: 113.9/105
- sign 0.009+/-0.031 χ²/NDF: 65.4/53



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

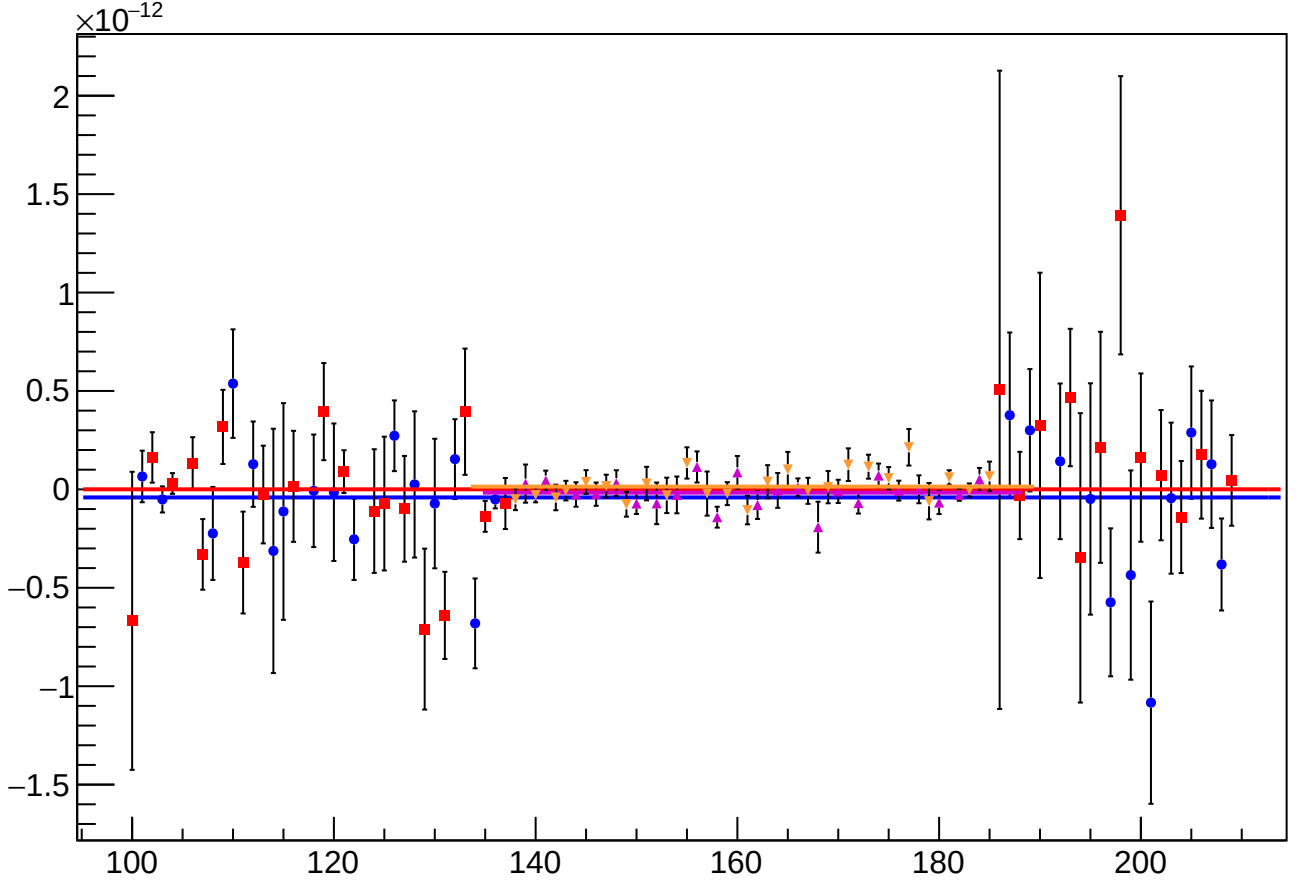
Right Out: 134.056+/-0.026 χ^2/NDF: 5995955.3/30

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 181.975+/-0.024 χ^2/NDF: 8480713.8/51

All: 171.588+/-0.016 χ^2/NDF: 21166745.3/10

- sign 162.635+/-0.022 χ^2/NDF: 12330665.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

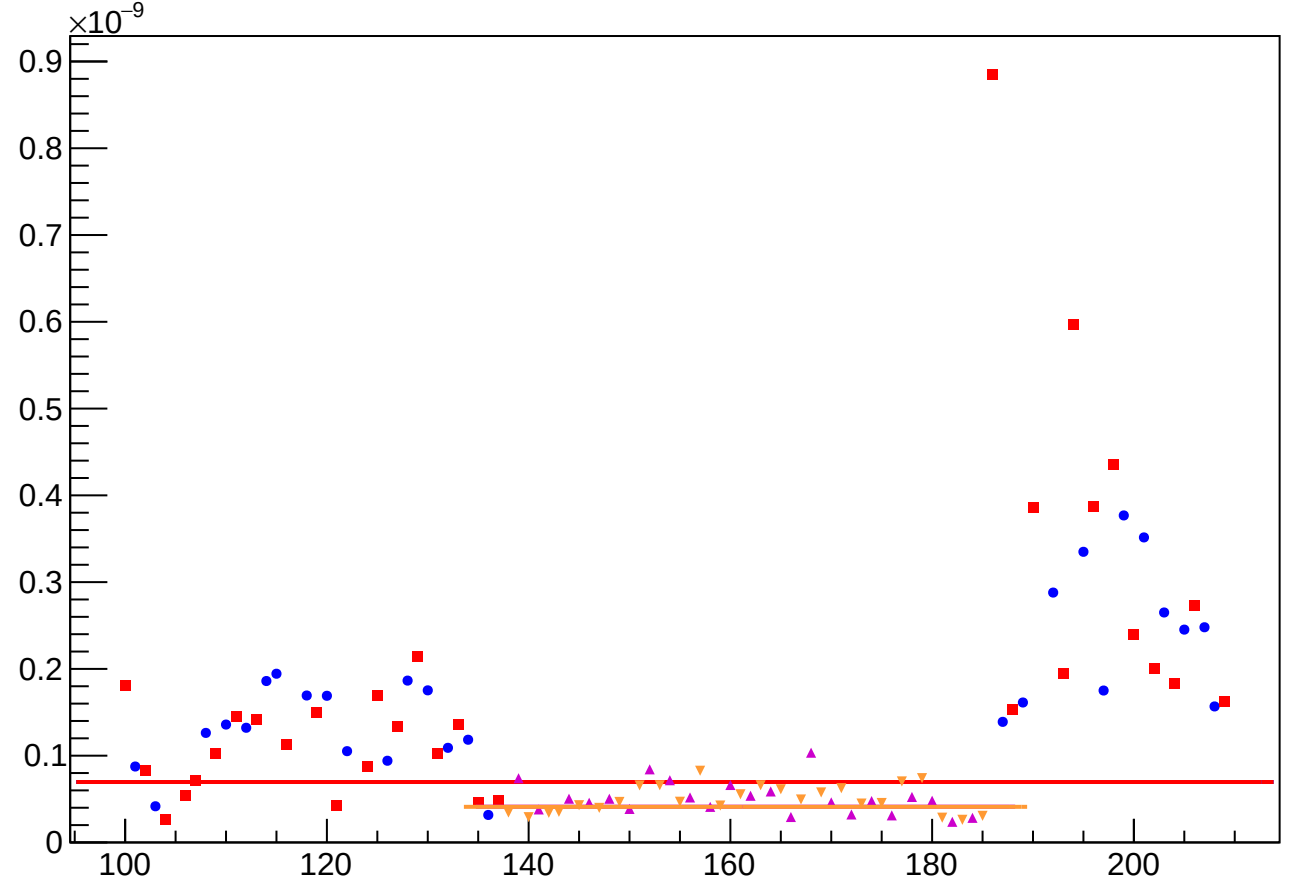
Right Out: 0.000+/-0.000 χ^2/NDF: 38.9/30

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.0/51

All: -0.000+/-0.000 χ^2/NDF: 122.7/105

- sign -0.000+/-0.000 χ^2/NDF: 60.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 8062074.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8688243.0/30

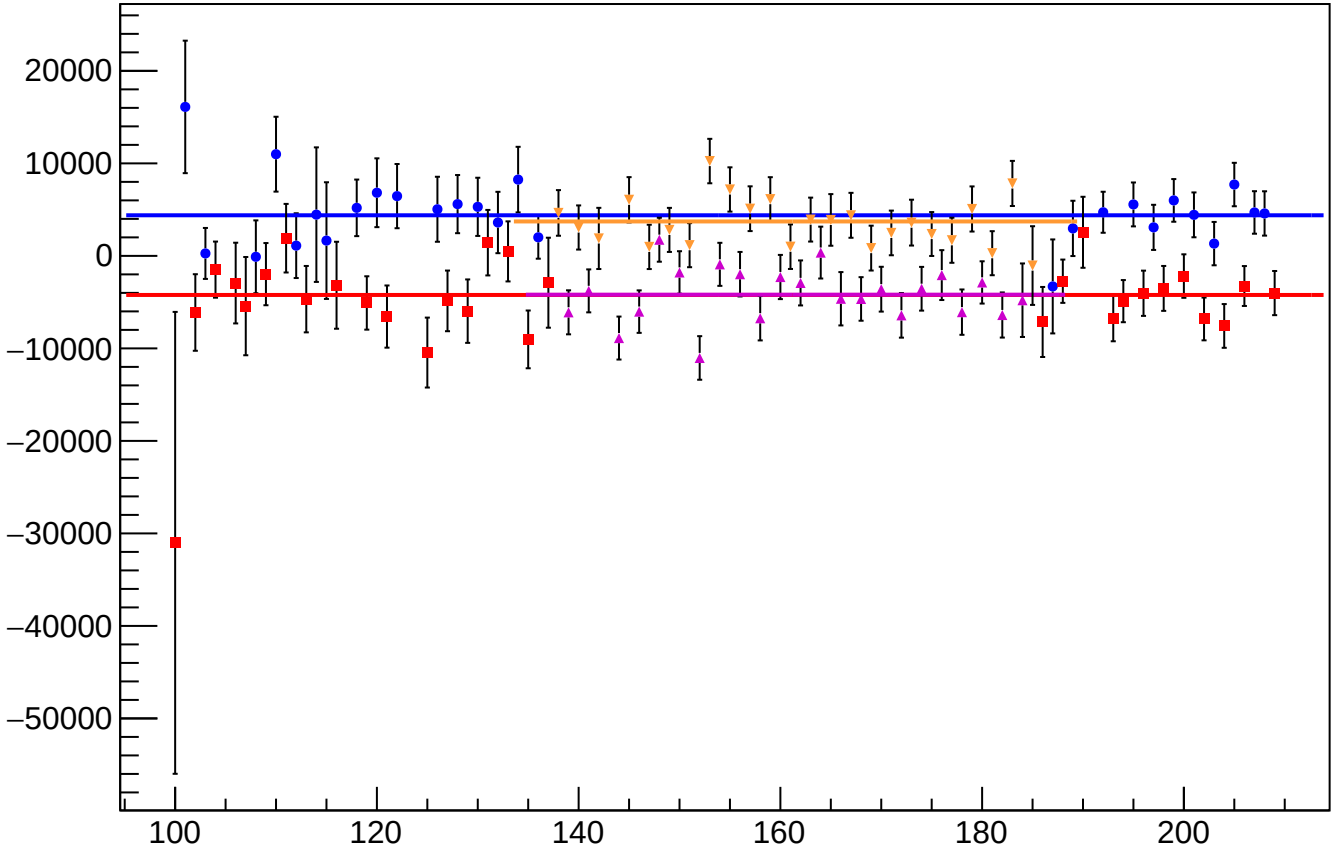
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12197103.6/51

All: 0.000+/-0.000 χ^2/NDF: 25225142.4/105

- sign 0.000+/-0.000 χ^2/NDF: 13027044.6/53

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.290+/-568.807 χ^2/NDF: 20.7/26

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4223.988+/-553.226 χ^2/NDF: 25.8/29

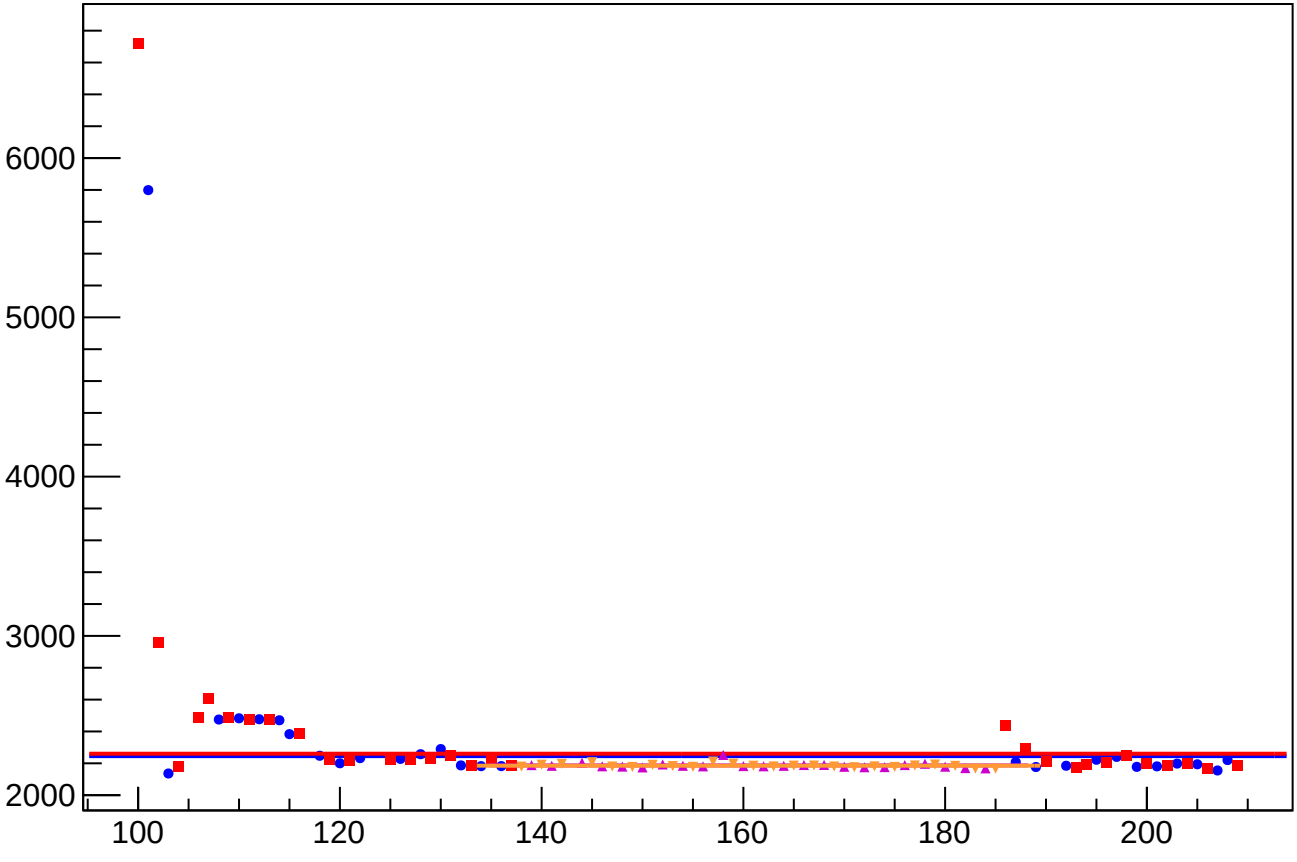
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 4018.363+/-378.540 χ^2/NDF: 46.9/50

All: -131.635+/-266.481 χ^2/NDF: 343.1/103

- sign -4208.843+/-375.206 χ^2/NDF: 57.9/52

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2245.163+/-0.402 χ^2/NDF: 535529.8/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

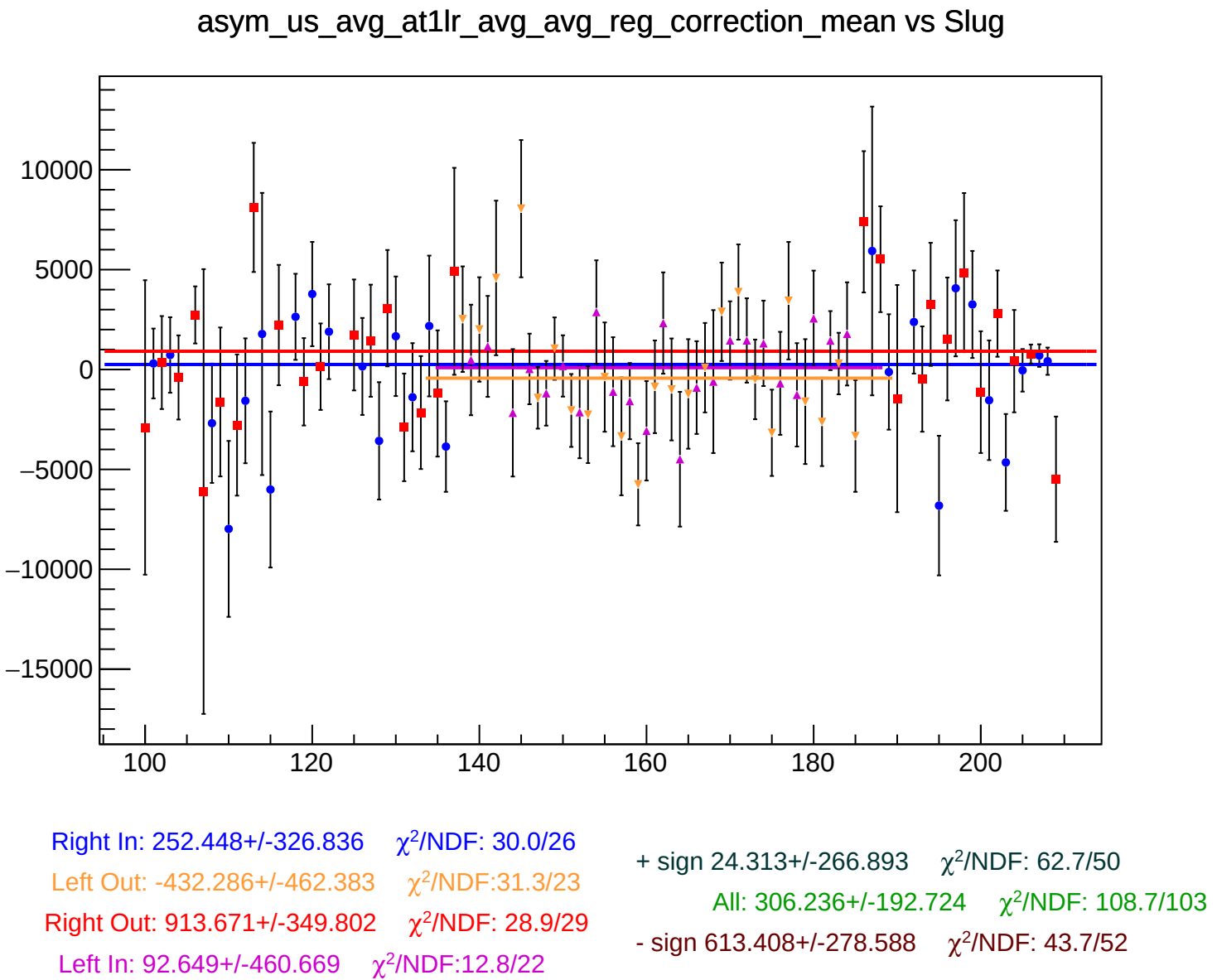
Right Out: 2260.228+/-0.391 χ^2/NDF: 184585.3/29

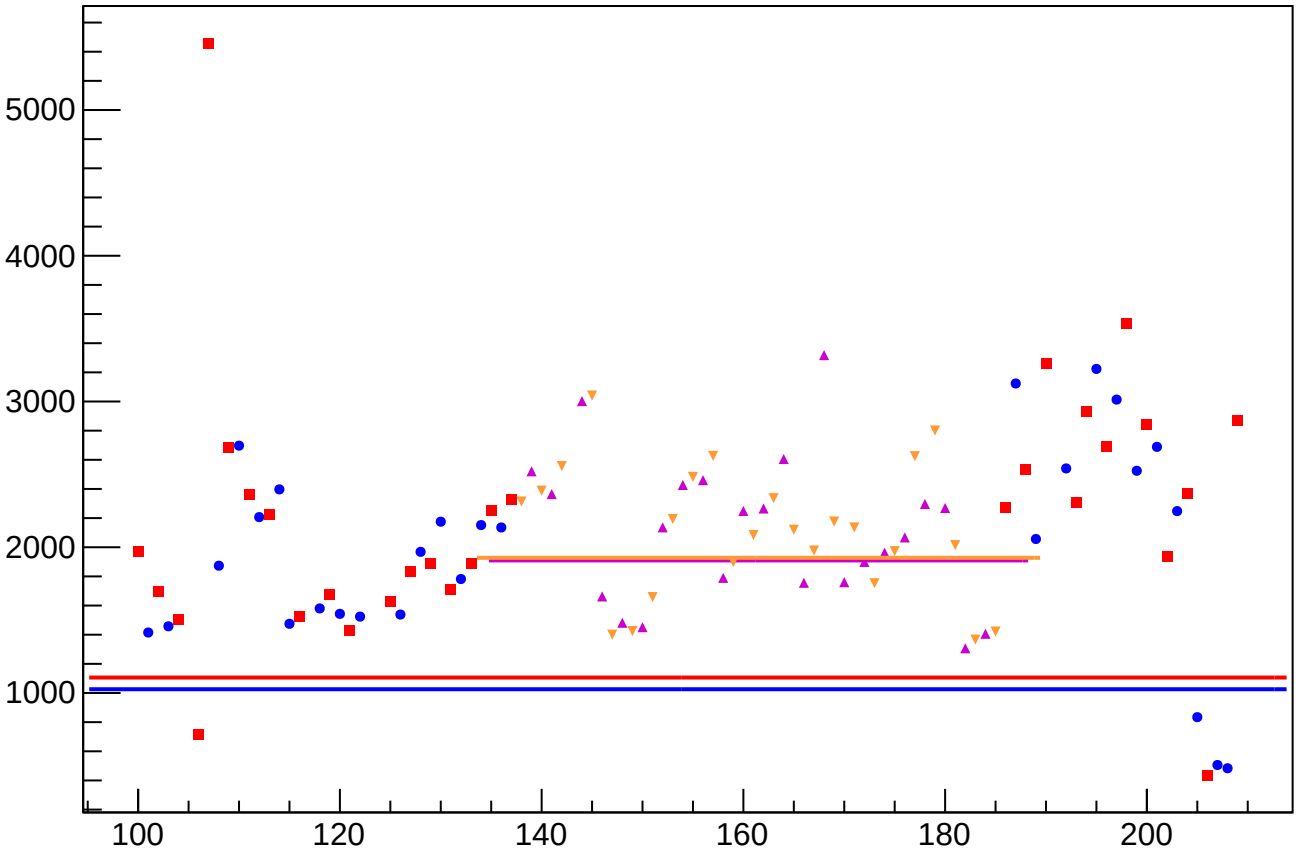
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF: 548755.1/50

All: 2216.171+/-0.188 χ^2/NDF: 755007.7/103

- sign 2220.545+/-0.265 χ^2/NDF: 205704.1/52


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 252.448+/-326.836 χ²/NDF: 30.0/26
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: 913.671+/-349.802 χ²/NDF: 28.9/29
Left In: 92.649+/-460.669 χ²/NDF:12.8/22
+ sign 24.313+/-266.893 χ²/NDF: 62.7/50
All: 306.236+/-192.724 χ²/NDF: 108.7/103
- sign 613.408+/-278.588 χ²/NDF: 43.7/52



Right In: 1025.846+/-0.231 χ^2/NDF: 10131253.9/26

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1106.033+/-0.247 χ^2/NDF: 12315693.7/29

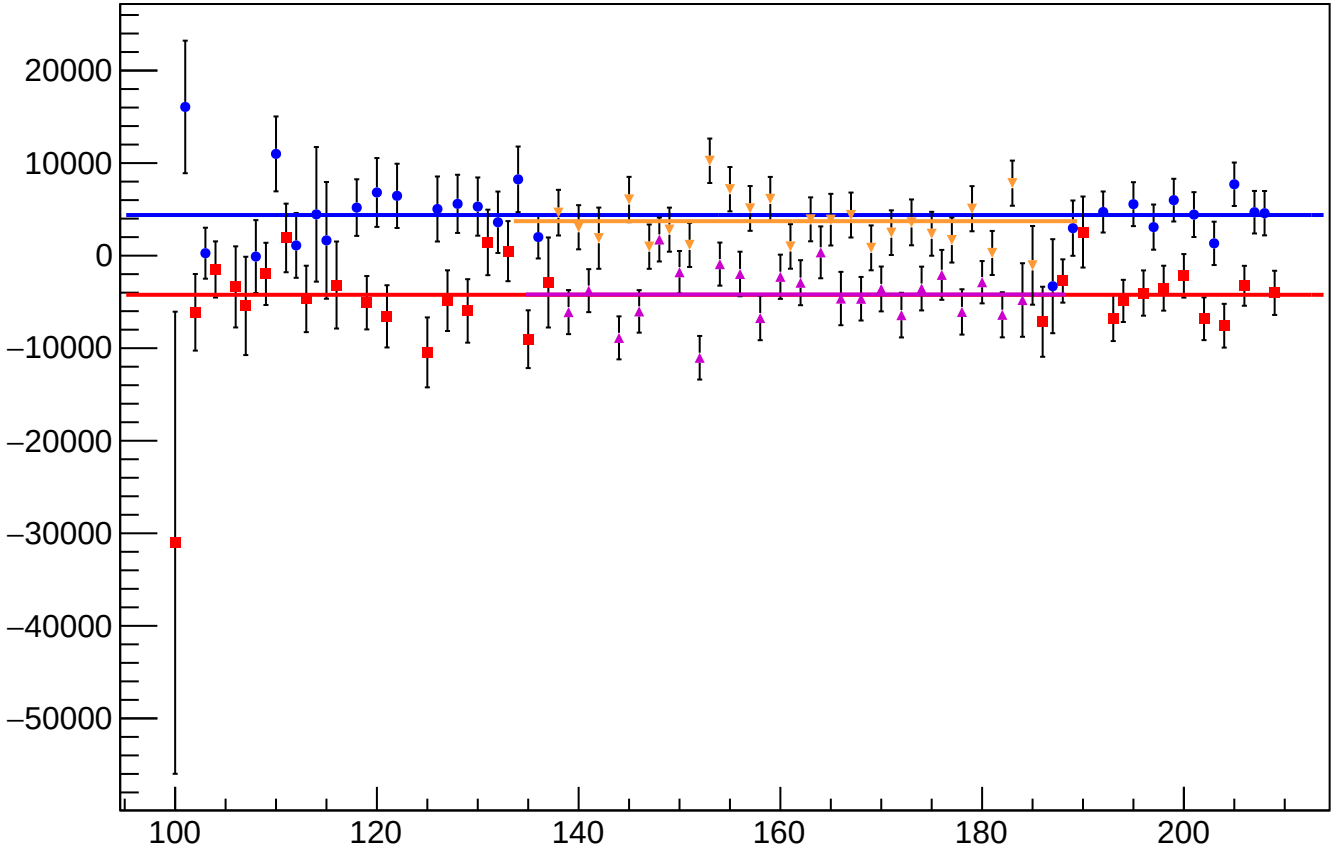
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1326.305+/-0.189 χ^2/NDF: 17002745.3/50

All: 1361.534+/-0.136 χ^2/NDF: 35193553.5/1

- sign 1399.917+/-0.197 χ^2/NDF: 18117996.8/52

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

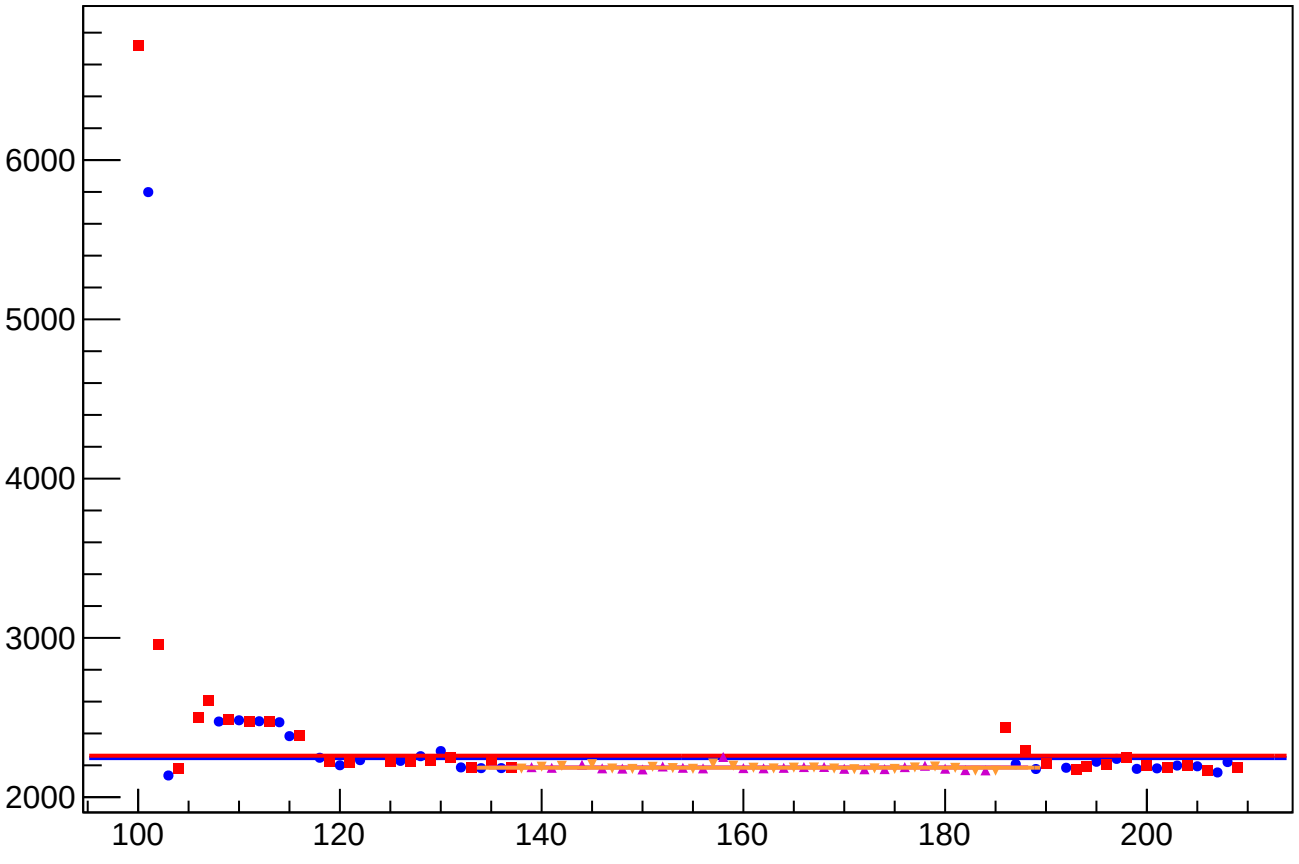
Right Out: -4231.334+/-553.264 χ^2/NDF: 25.8/29

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 4018.232+/-378.540 χ^2/NDF: 46.9/50

All: -133.304+/-266.486 χ^2/NDF: 343.2/103

- sign -4212.284+/-375.218 χ^2/NDF: 57.9/52



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

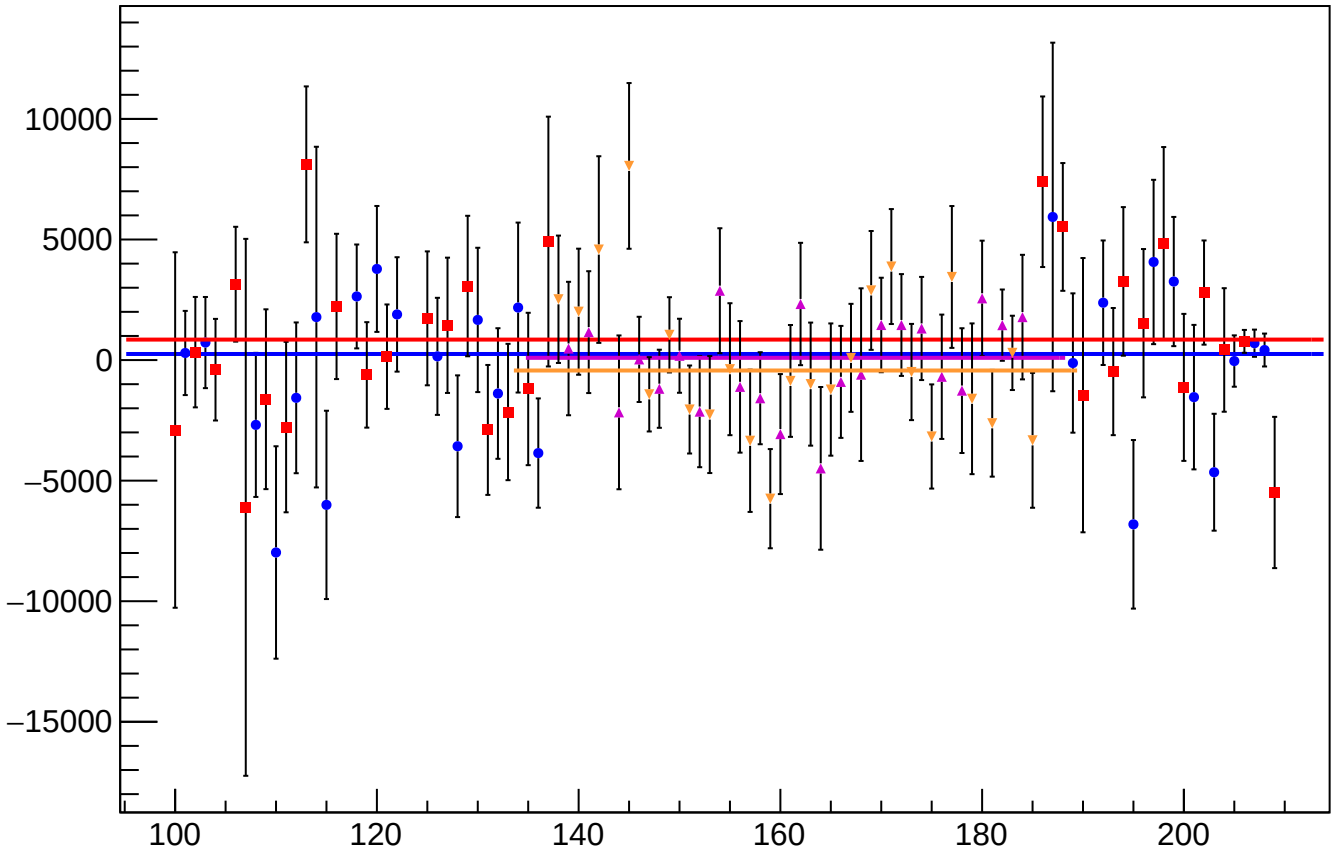
Right Out: 2260.367+/-0.391 χ^2/NDF: 185063.3/29

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF: 548755.5/50

All: 2216.202+/-0.188 χ^2/NDF: 755564.5/103

- sign 2220.607+/-0.265 χ^2/NDF: 206252.9/52



Right In: 252.277+/-326.814 χ^2/NDF: 30.0/26

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

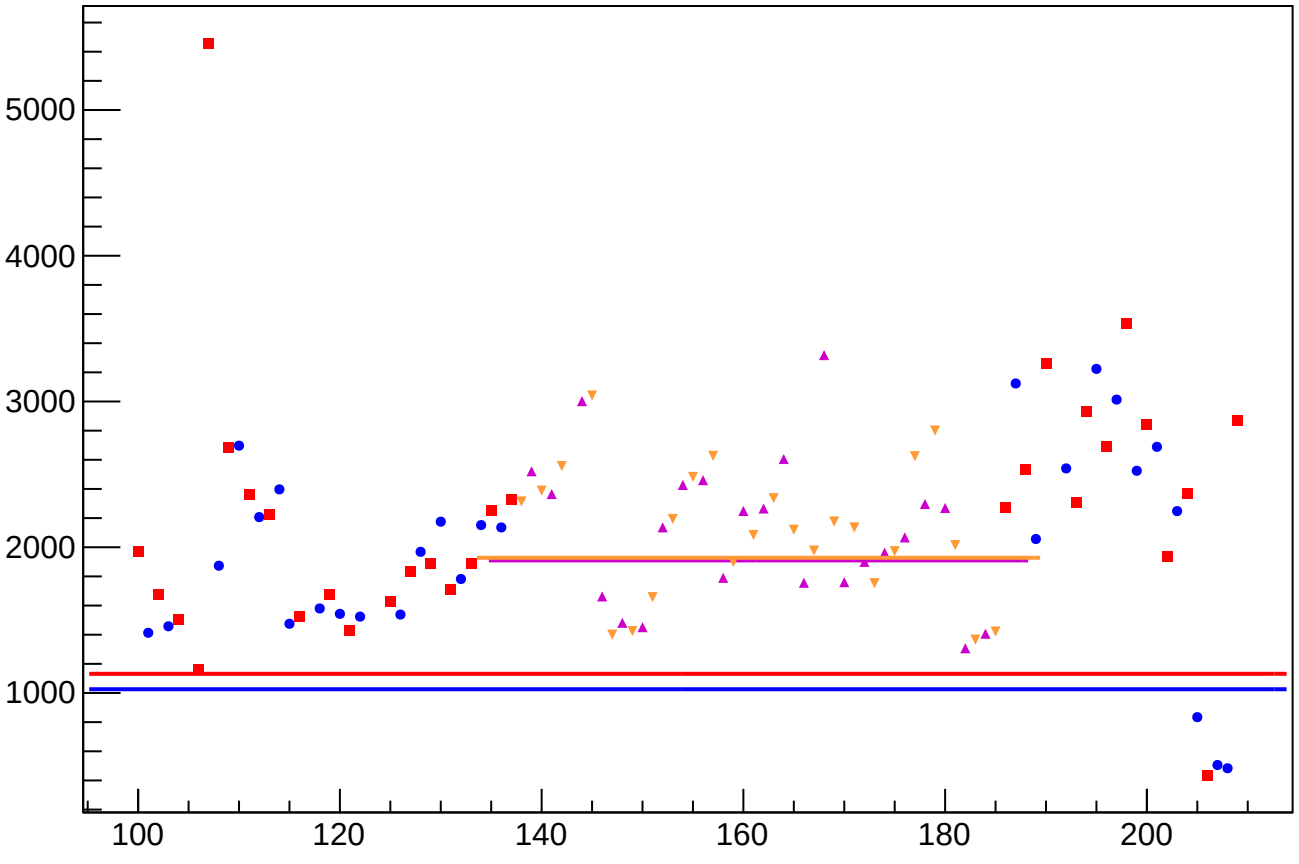
Right Out: 849.422+/-356.556 χ^2/NDF: 28.1/29

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 24.208+/-266.881 χ^2/NDF: 62.7/50

All: 280.174+/-193.826 χ^2/NDF: 107.3/103

- sign 565.891+/-281.964 χ^2/NDF: 42.6/52



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

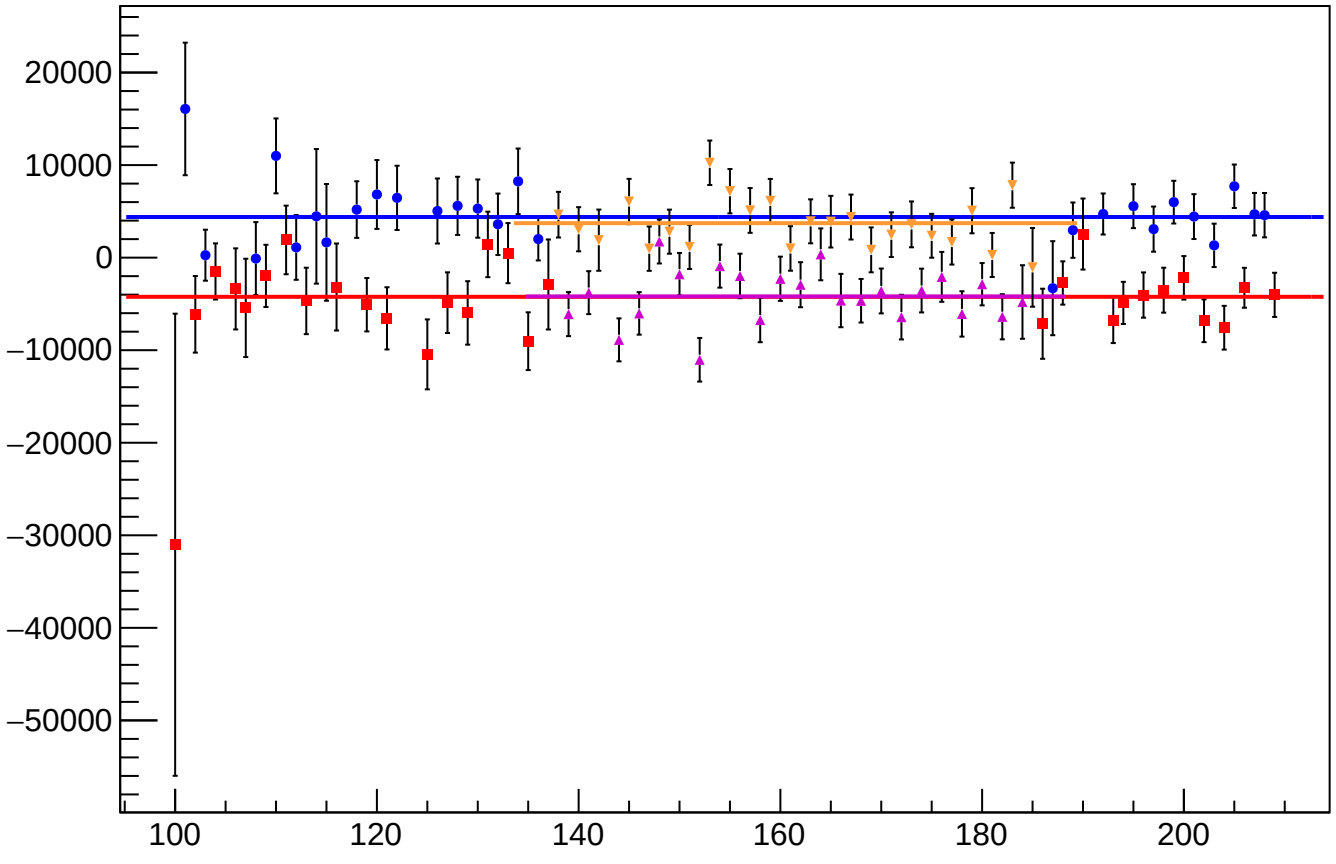
Right Out: 1131.736+/-0.252 χ^2/NDF: 12153014.2/29

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1326.240+/-0.189 χ^2/NDF: 17003363.4/50

All: 1372.038+/-0.137 χ^2/NDF: 34789533.9/1

- sign 1423.158+/-0.199 χ^2/NDF: 17661535.9/52



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

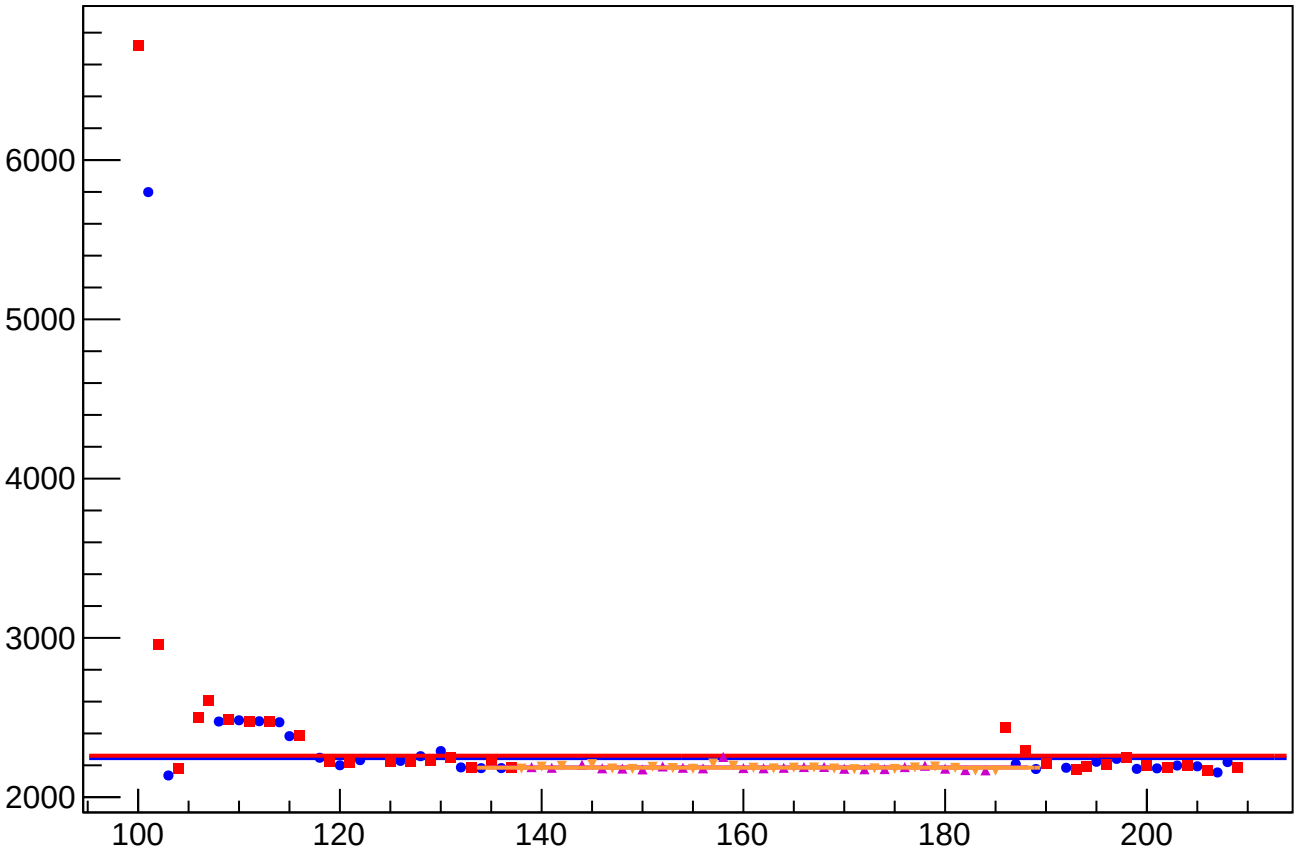
Right Out: -4231.334+/-553.264 χ^2/NDF: 25.8/29

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 4018.232+/-378.540 χ^2/NDF: 46.9/50

All: -133.304+/-266.486 χ^2/NDF: 343.2/103

- sign -4212.284+/-375.218 χ^2/NDF: 57.9/52



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

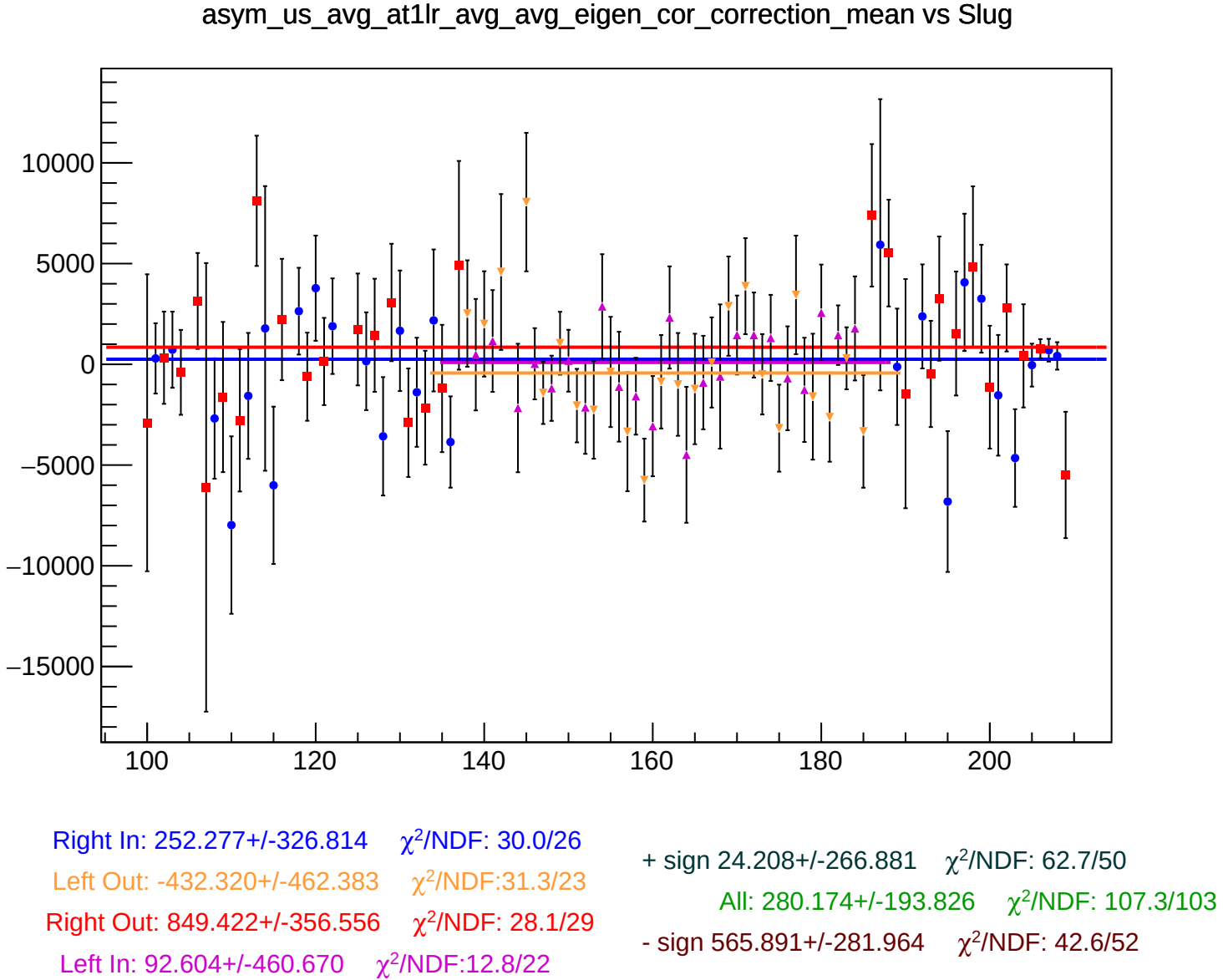
Right Out: 2260.367+/-0.391 χ^2/NDF: 185063.3/29

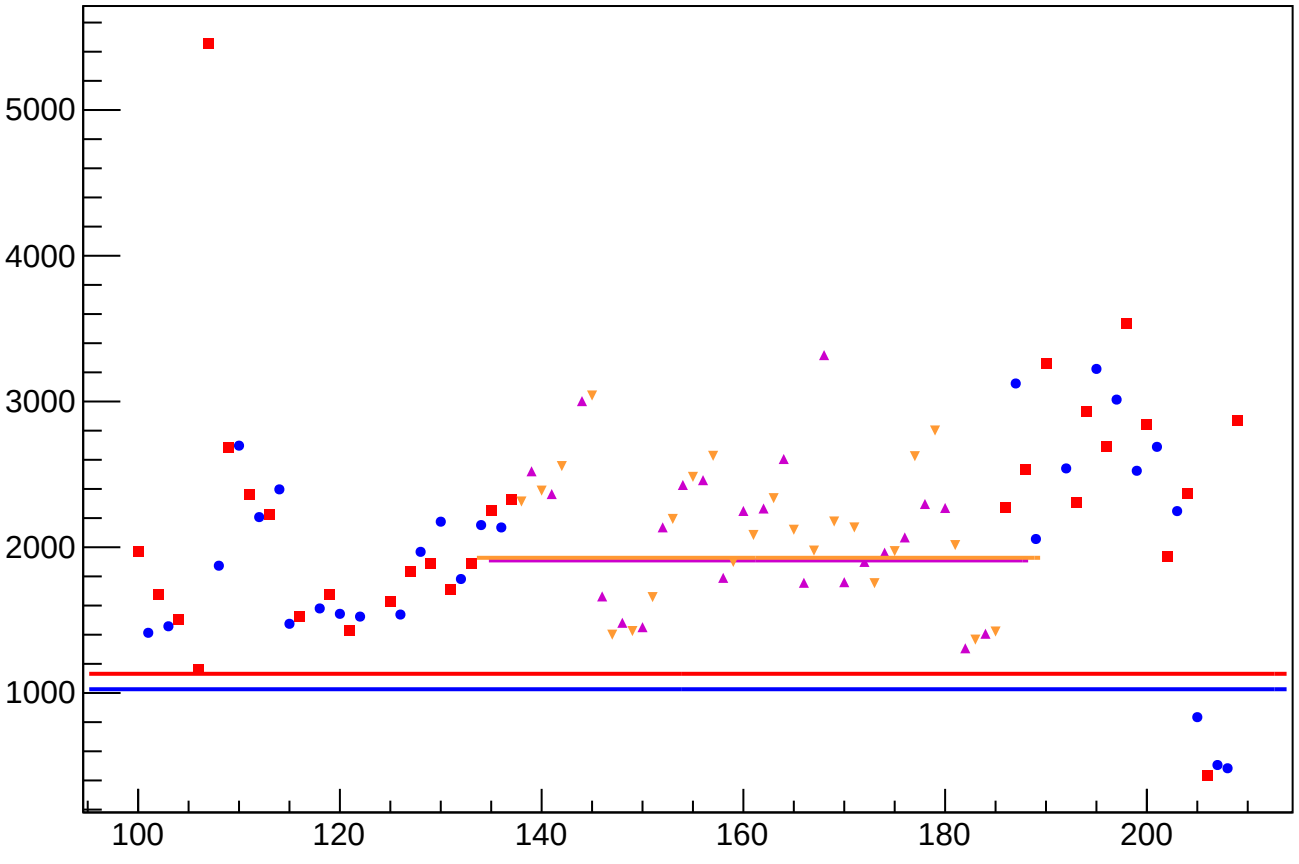
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2211.719+/-0.268 χ^2/NDF: 548755.5/50

All: 2216.202+/-0.188 χ^2/NDF: 755564.5/103

- sign 2220.607+/-0.265 χ^2/NDF: 206252.9/52


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 252.277+/-326.814 χ²/NDF: 30.0/26
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 849.422+/-356.556 χ²/NDF: 28.1/29
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 24.208+/-266.881 χ²/NDF: 62.7/50
All: 280.174+/-193.826 χ²/NDF: 107.3/103
- sign 565.891+/-281.964 χ²/NDF: 42.6/52



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

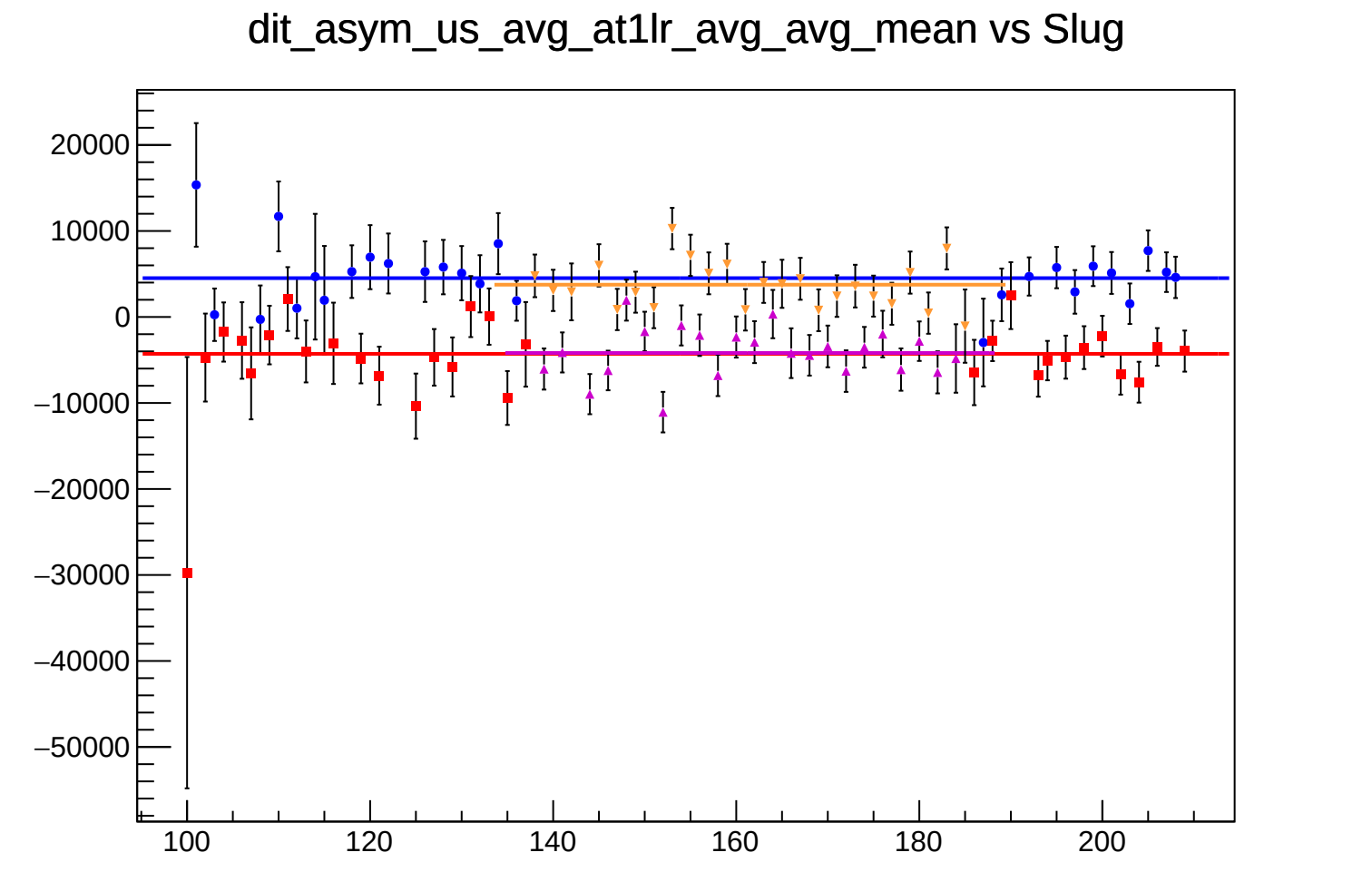
Right Out: 1131.736+/-0.252 χ^2/NDF: 12153014.2/29

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1326.240+/-0.189 χ^2/NDF: 17003363.4/50

All: 1372.038+/-0.137 χ^2/NDF: 34789533.9/1

- sign 1423.158+/-0.199 χ^2/NDF: 17661535.9/52



Right In: 4517.292+/-574.816 χ^2/NDF: 20.7/26

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4285.725+/-561.346 χ^2/NDF: 24.5/29

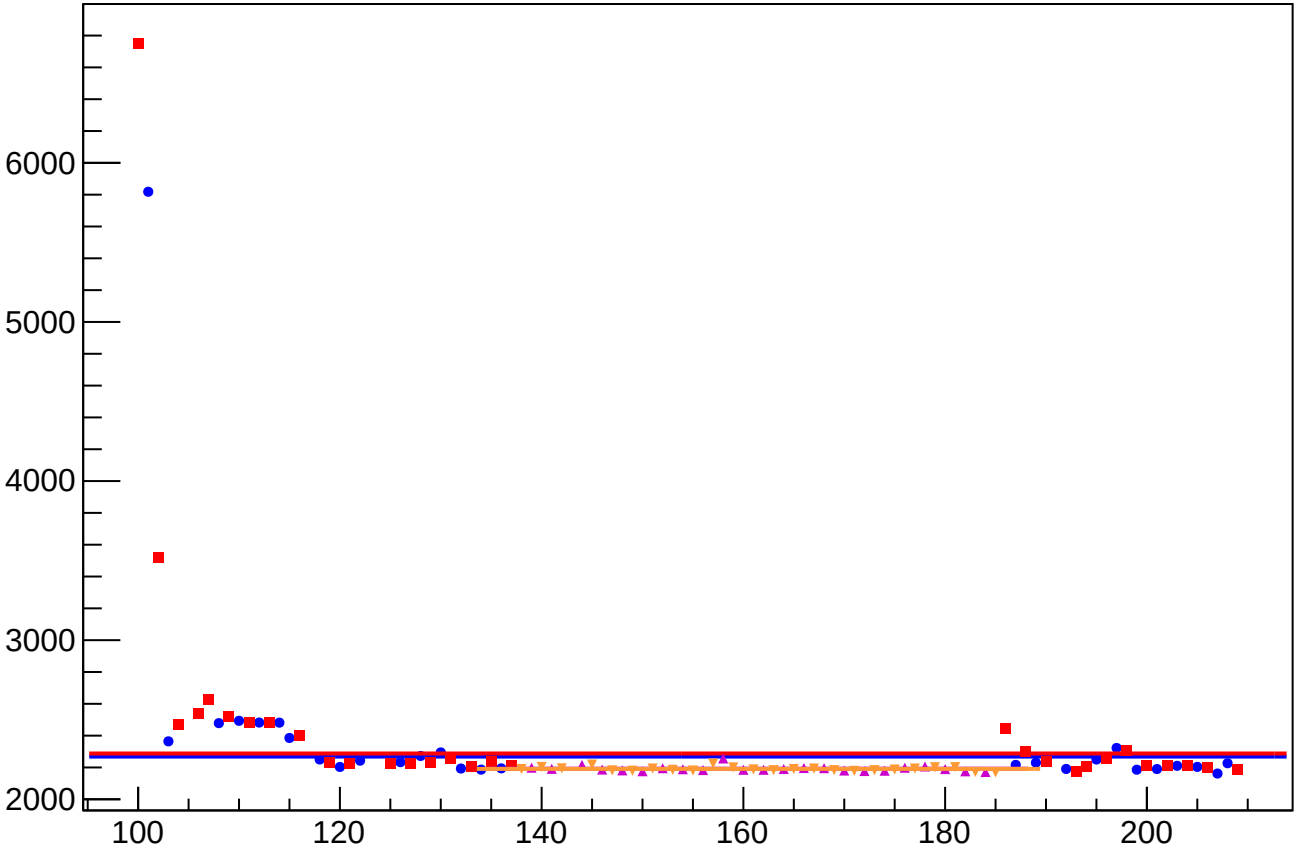
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4089.183+/-380.890 χ^2/NDF: 47.4/50

All: -99.733+/-268.384 χ^2/NDF: 344.8/103

- sign -4230.299+/-378.228 χ^2/NDF: 57.2/52

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.3/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

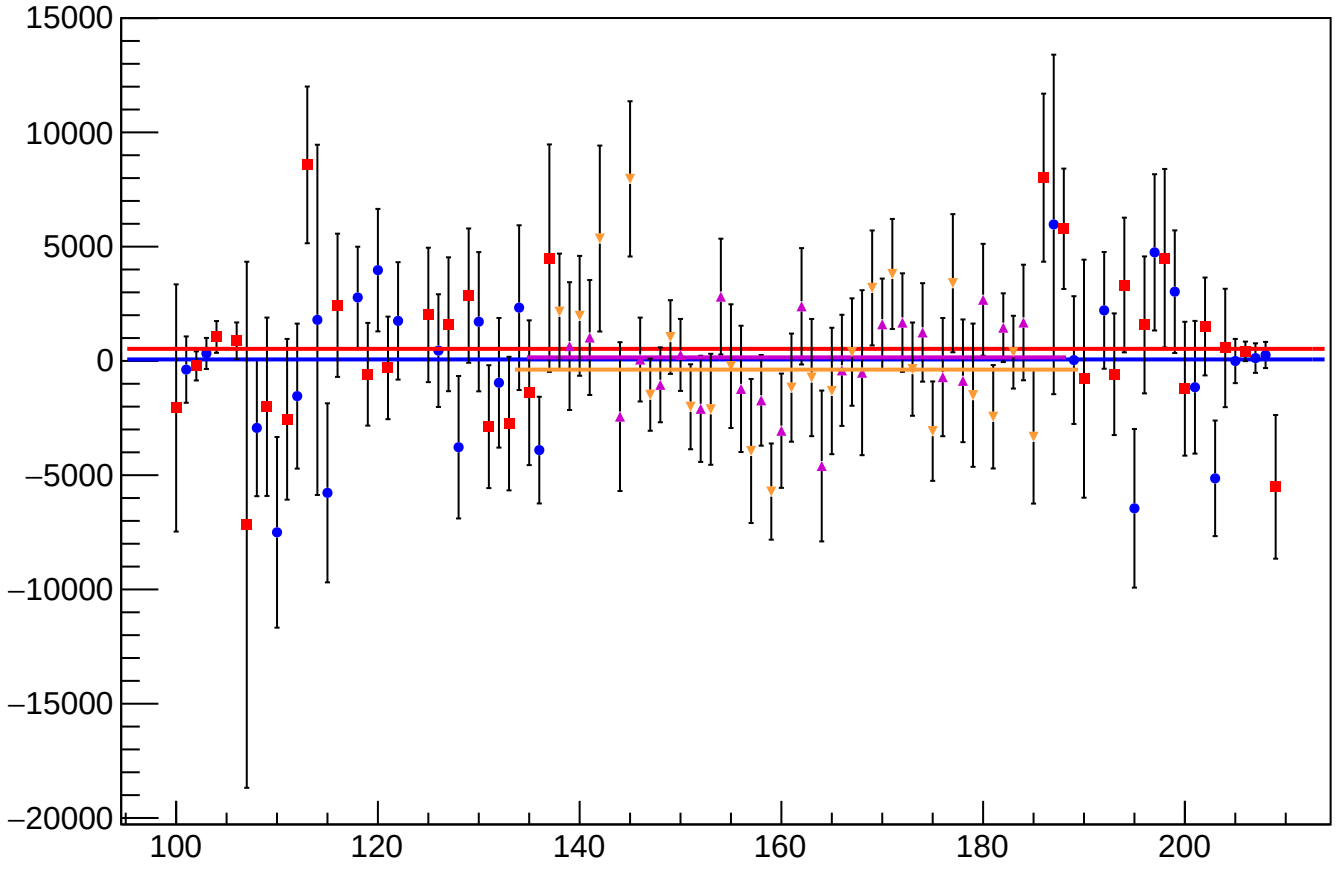
Right Out: 2287.713+/-0.397 χ^2/NDF: 250755.7/29

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2225.108+/-0.269 χ^2/NDF: 554759.3/50

All: 2230.372+/-0.190 χ^2/NDF: 840169.7/103

- sign 2235.562+/-0.267 χ^2/NDF: 284651.7/52



Right In: 64.549+/-293.190 χ^2/NDF: 28.9/26

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

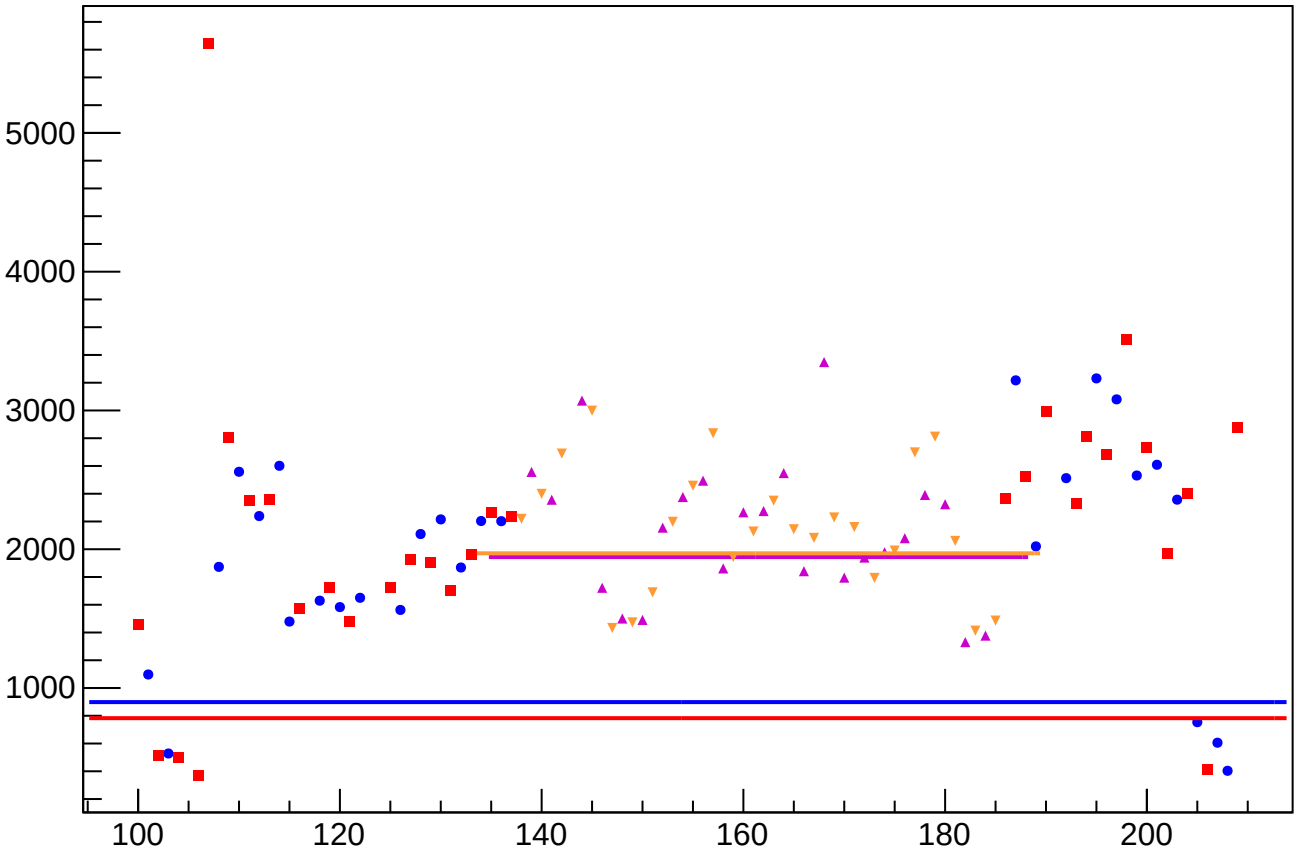
Right Out: 527.800+/-263.967 χ^2/NDF: 29.9/29

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -59.555+/-248.977 χ^2/NDF: 60.3/50

All: 208.836+/-168.912 χ^2/NDF: 105.6/103

- sign 437.707+/-229.916 χ^2/NDF: 43.2/52



Right In: 898.460+/-0.207 χ^2/NDF: 11199948.3/26

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

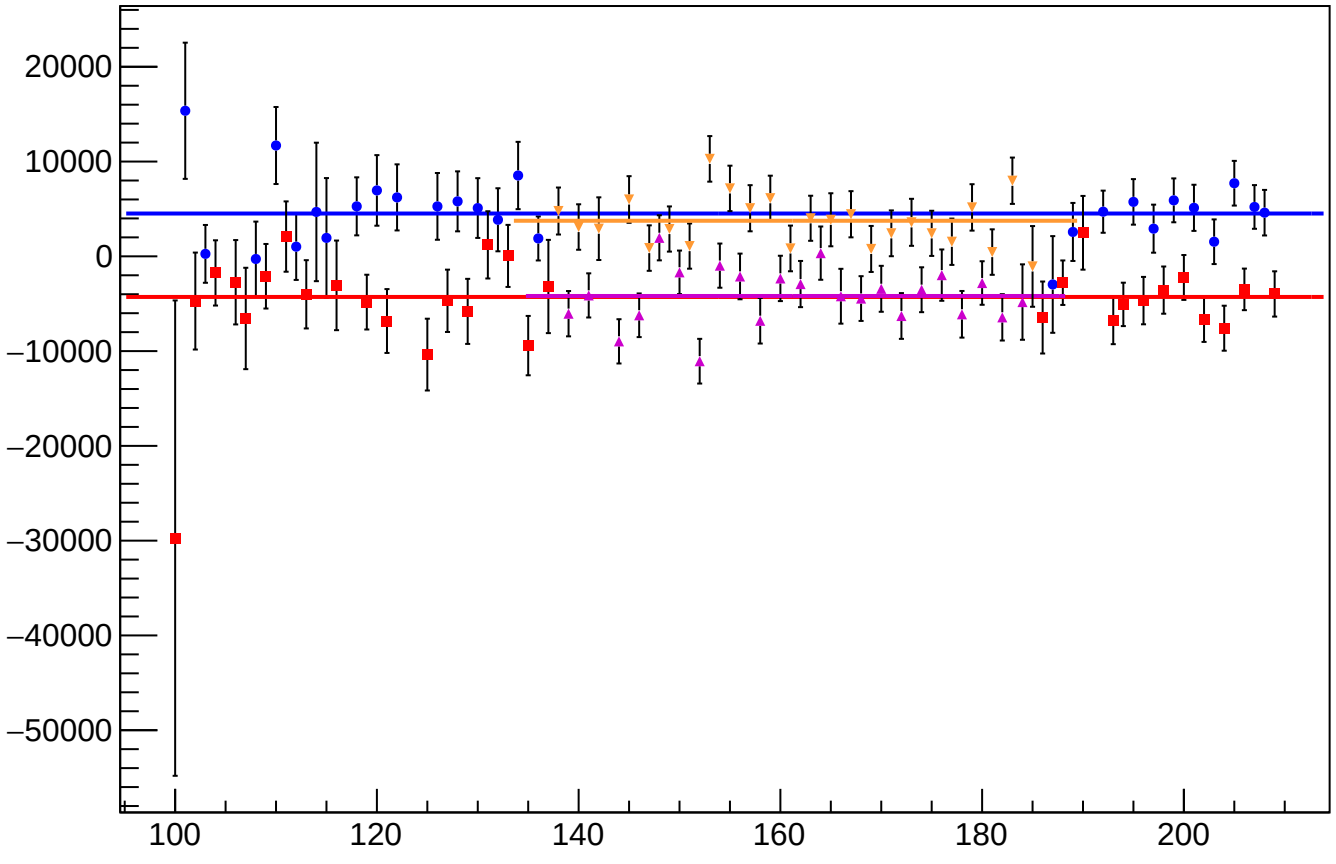
Right Out: 782.675+/-0.187 χ^2/NDF: 15286380.9/29

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1197.455+/-0.176 χ^2/NDF: 20355394.3/50

All: 1124.815+/-0.119 χ^2/NDF: 47177165.4/1

- sign 1062.872+/-0.163 χ^2/NDF: 26506363.0/52



Right In: 4517.290+/-574.815 χ^2/NDF: 20.7/26

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4285.721+/-561.346 χ^2/NDF: 24.5/29

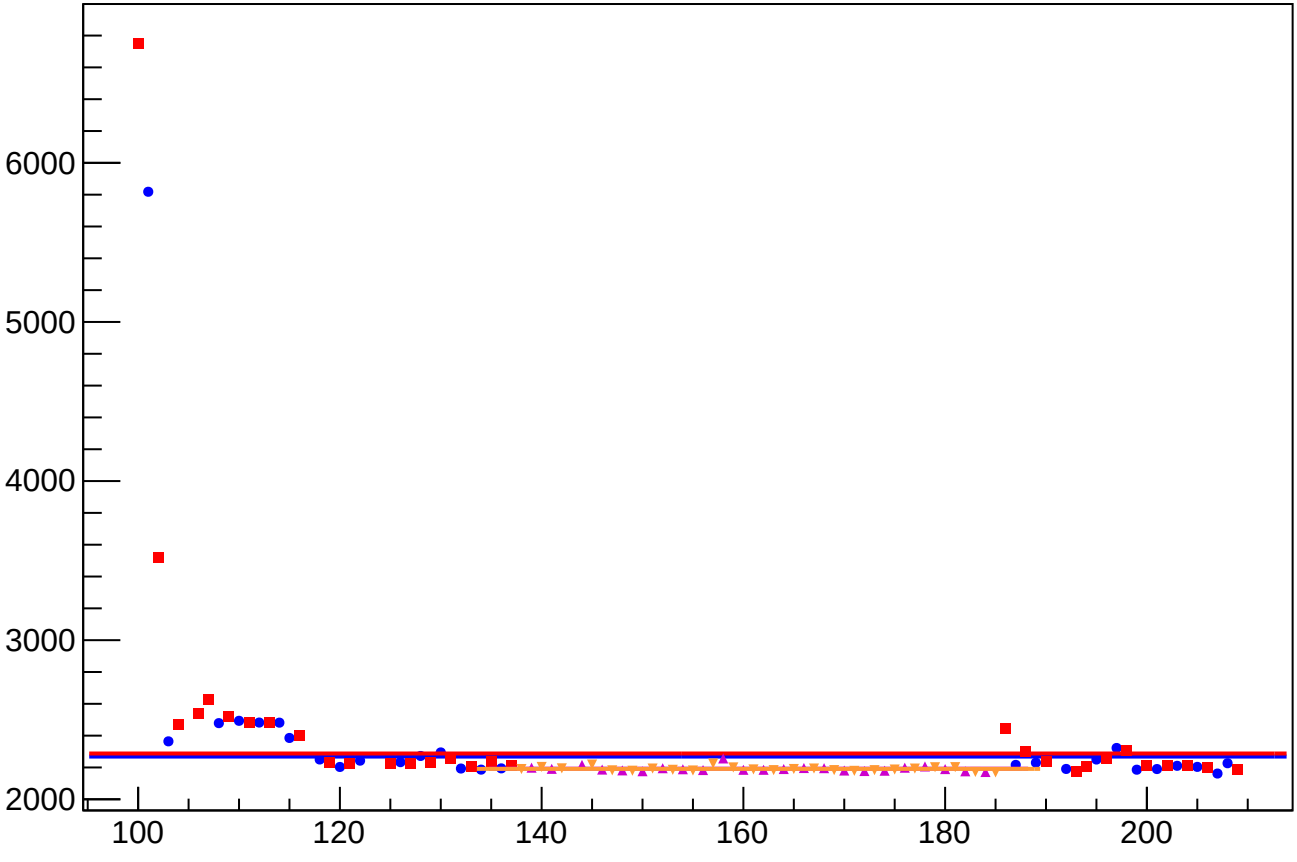
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4089.181+/-380.890 χ^2/NDF: 47.4/50

All: -99.734+/-268.384 χ^2/NDF: 344.8/103

- sign -4230.298+/-378.228 χ^2/NDF: 57.2/52

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.2/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

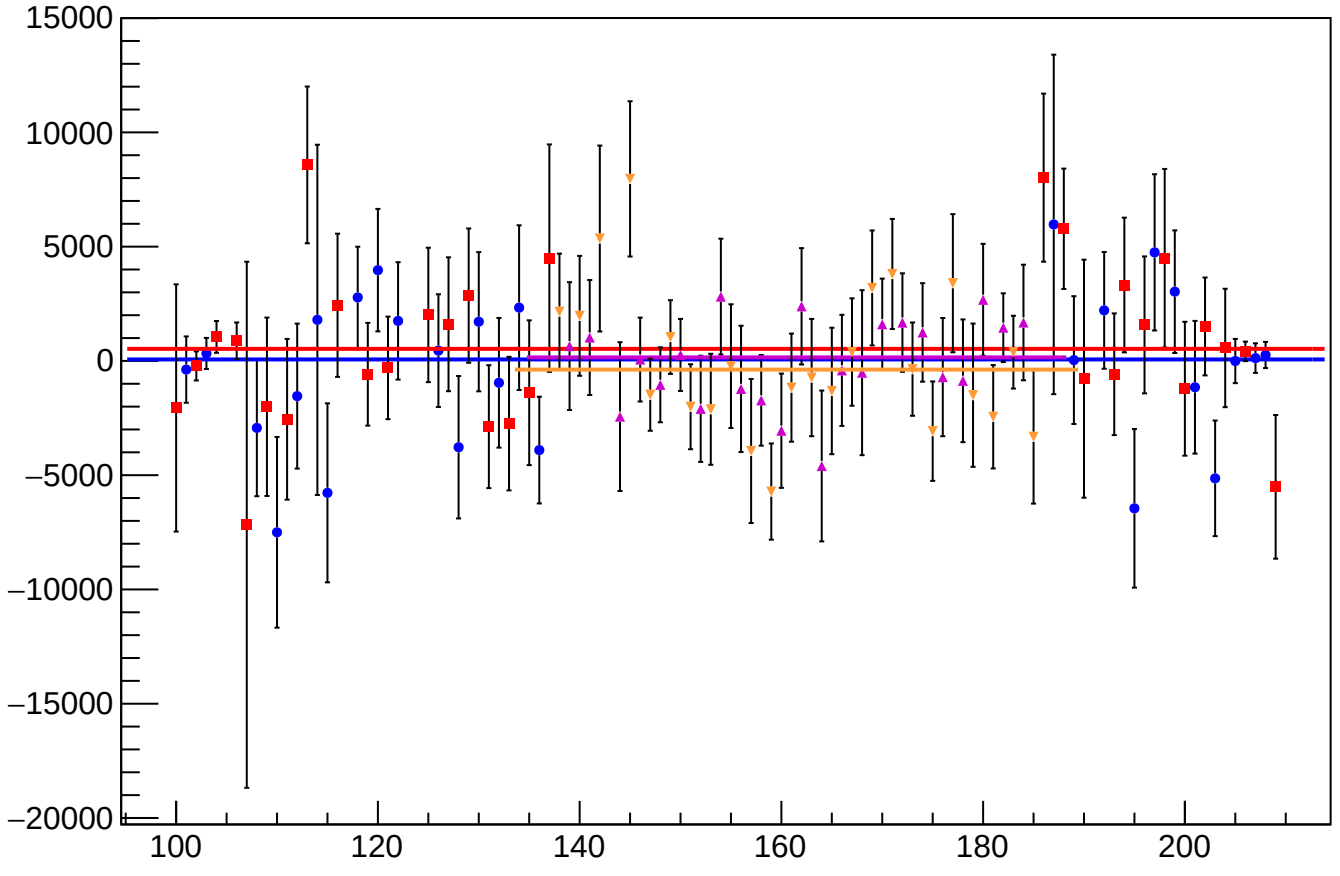
Right Out: 2287.712+/-0.397 χ^2/NDF: 250754.4/29

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2225.108+/-0.269 χ^2/NDF: 554759.1/50

All: 2230.372+/-0.190 χ^2/NDF: 840168.0/103

- sign 2235.562+/-0.267 χ^2/NDF: 284650.3/52



Right In: 64.545+/-293.190 χ^2/NDF: 28.9/26

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

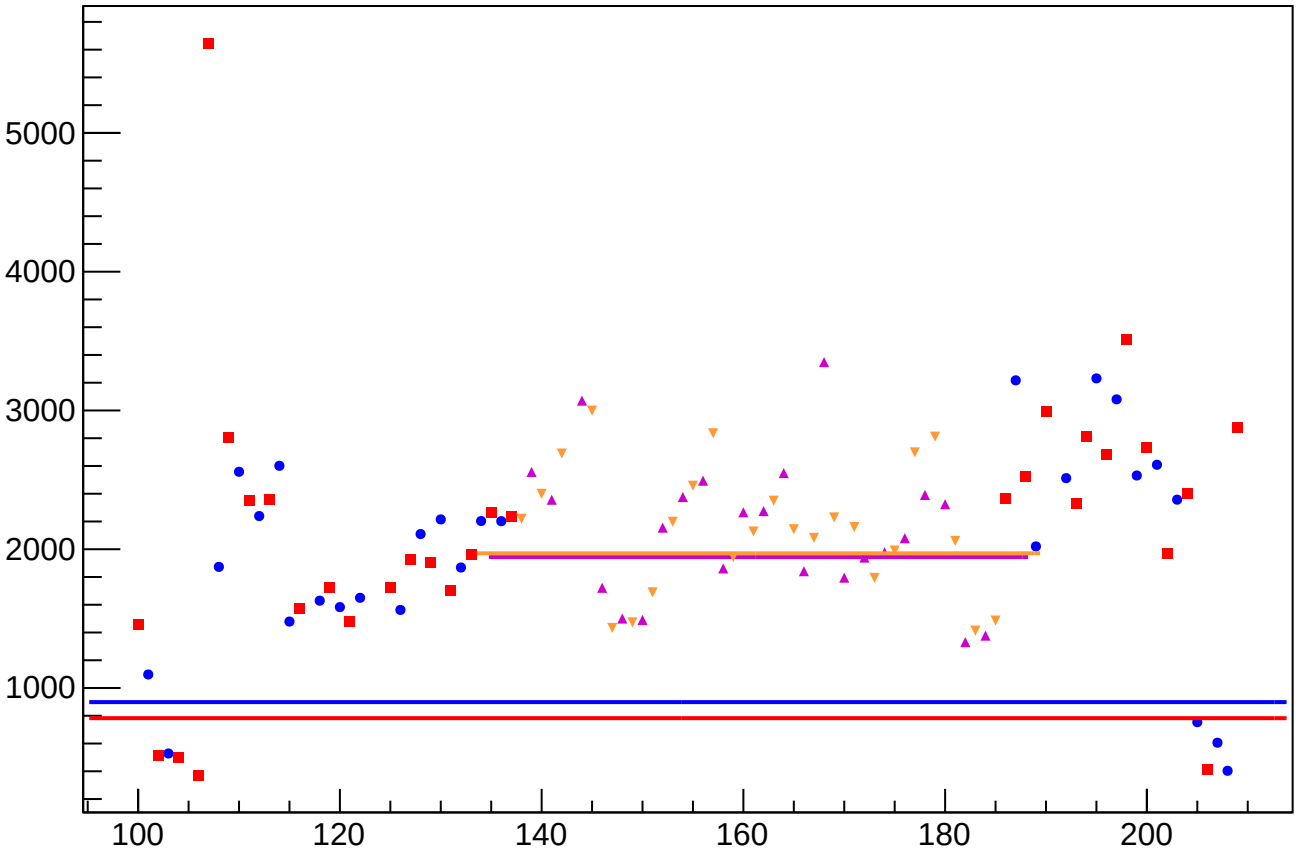
Right Out: 527.797+/-263.968 χ^2/NDF: 29.9/29

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -59.559+/-248.977 χ^2/NDF: 60.3/50

All: 208.832+/-168.913 χ^2/NDF: 105.6/103

- sign 437.704+/-229.917 χ^2/NDF: 43.2/52



Right In: 898.460+/-0.207 χ^2/NDF: 11199964.9/26

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 782.680+/-0.187 χ^2/NDF: 15286313.0/29

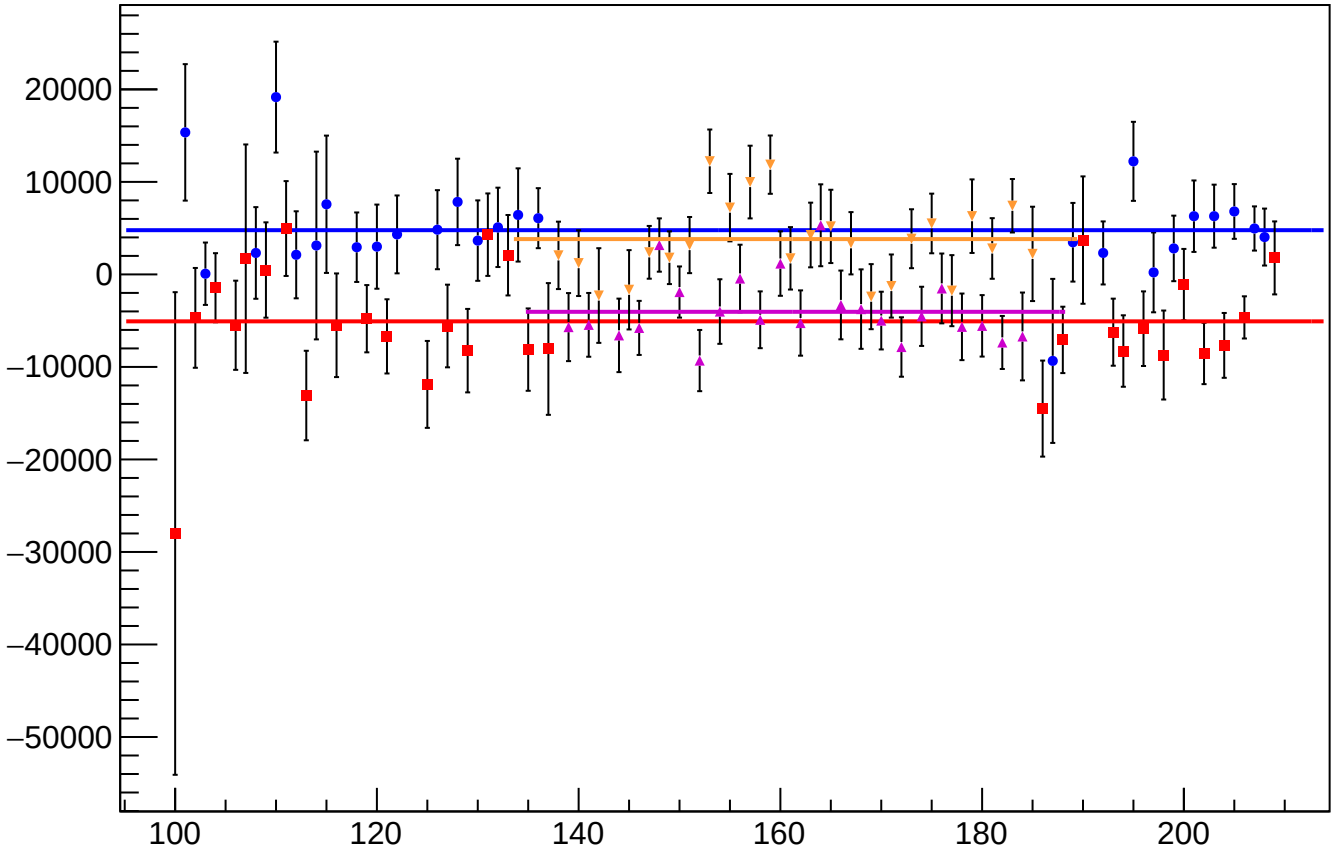
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1197.455+/-0.176 χ^2/NDF: 20355441.3/50

All: 1124.819+/-0.119 χ^2/NDF: 47177055.1/1

- sign 1062.877+/-0.163 χ^2/NDF: 26506231.2/52

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4780.351+/-776.930 χ^2/NDF: 20.2/26

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5073.397+/-780.023 χ^2/NDF: 32.7/29

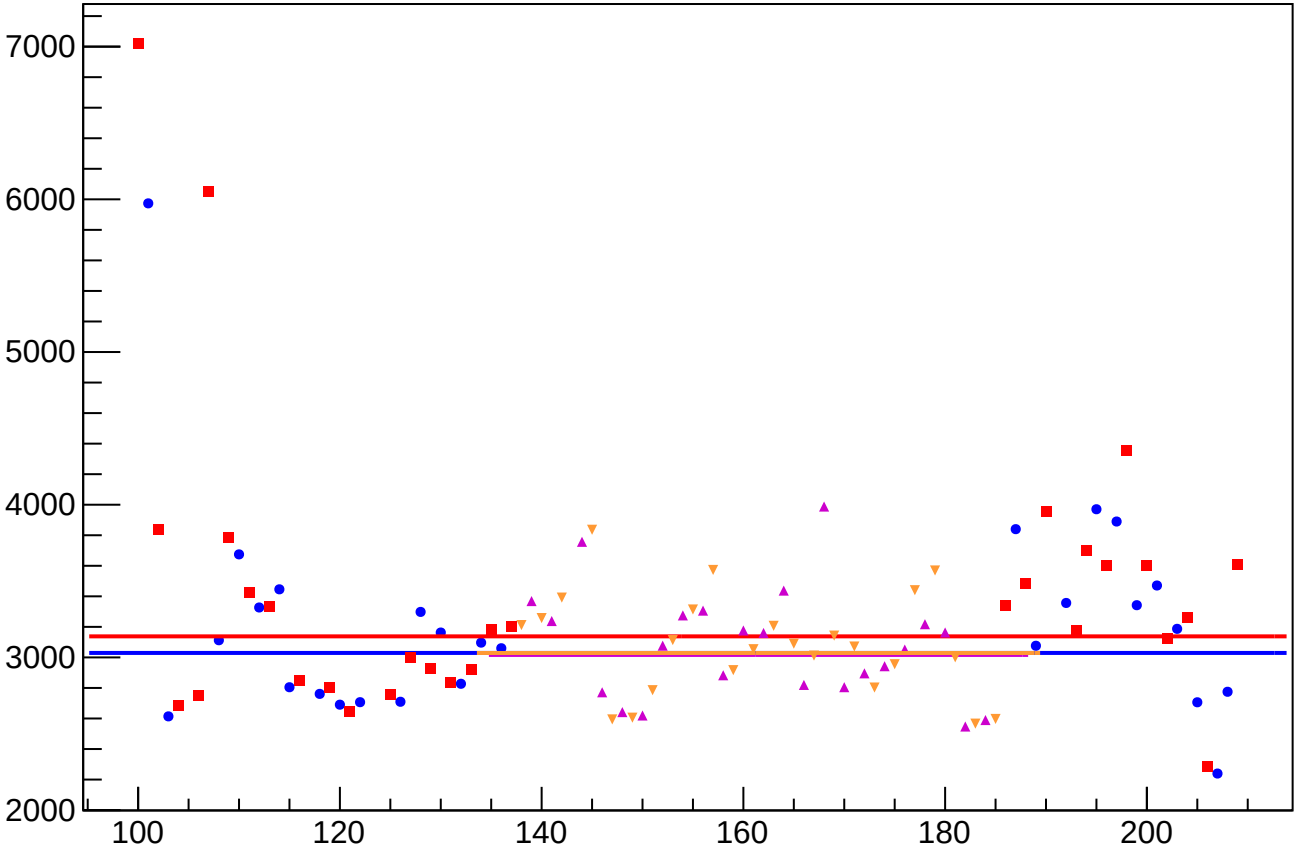
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4254.721+/-523.433 χ^2/NDF: 51.9/50

All: -115.117+/-370.636 χ^2/NDF: 247.9/103

- sign -4509.259+/-524.887 χ^2/NDF: 56.2/52

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3029.315+/-0.549 χ^2/NDF: 957999.2/26

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

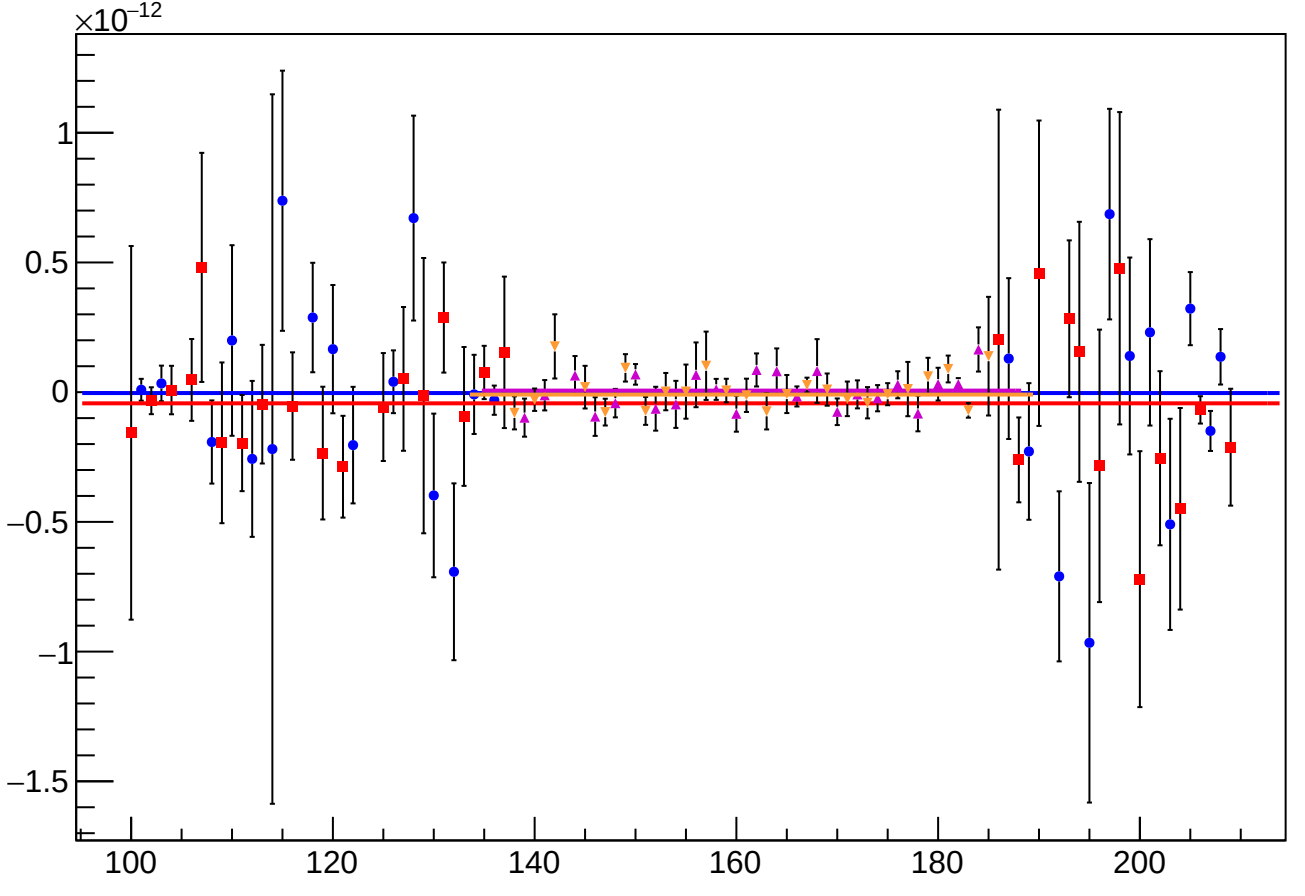
Right Out: 3137.869+/-0.552 χ^2/NDF: 944051.8/29

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3029.134+/-0.370 χ^2/NDF: 1355110.5/50

All: 3050.169+/-0.262 χ^2/NDF: 2772142.1/10

- sign 3071.321+/-0.371 χ^2/NDF: 1410553.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 40.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

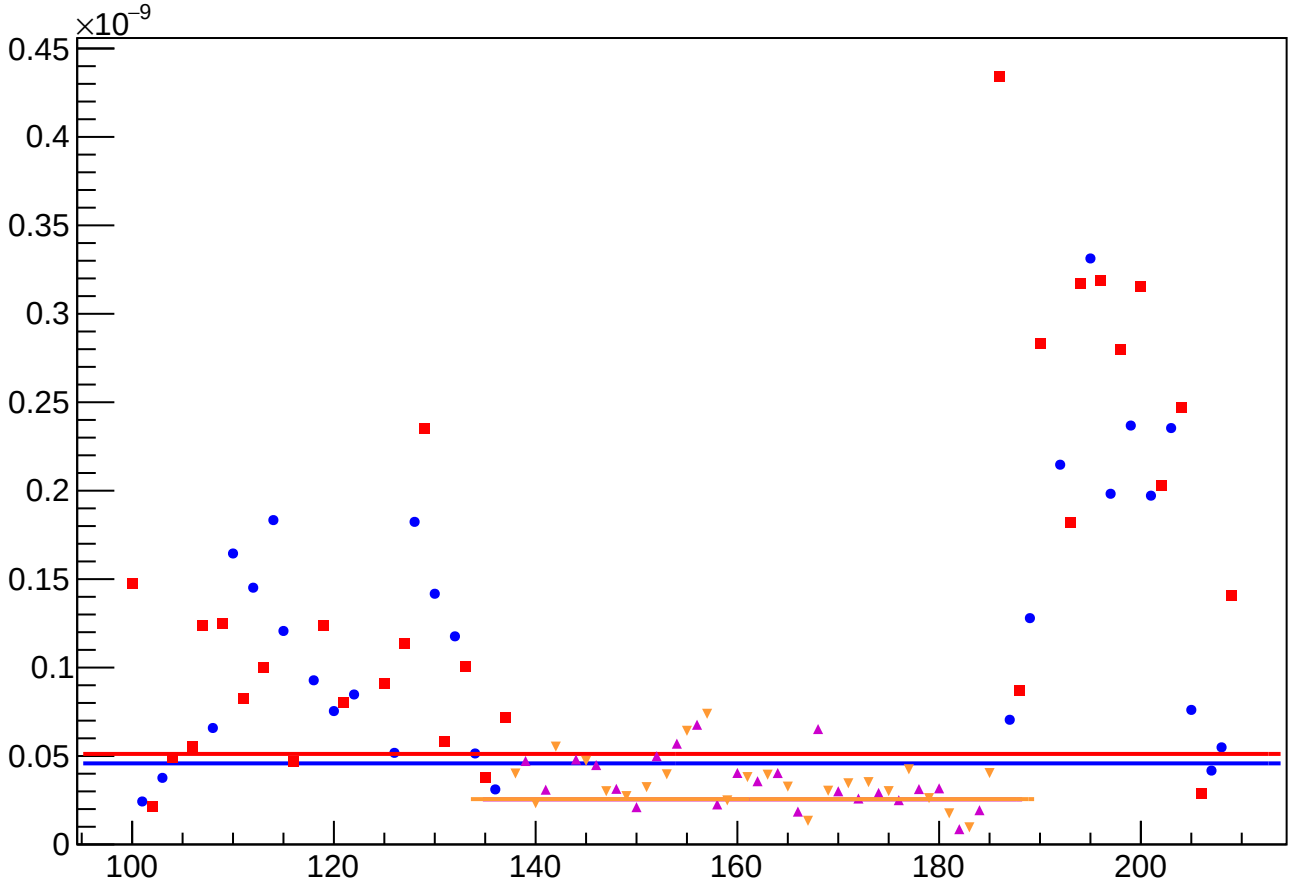
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/29

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.0/50

All: -0.000+/-0.000 χ^2/NDF: 109.7/103

- sign -0.000+/-0.000 χ^2/NDF: 44.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 4776029.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

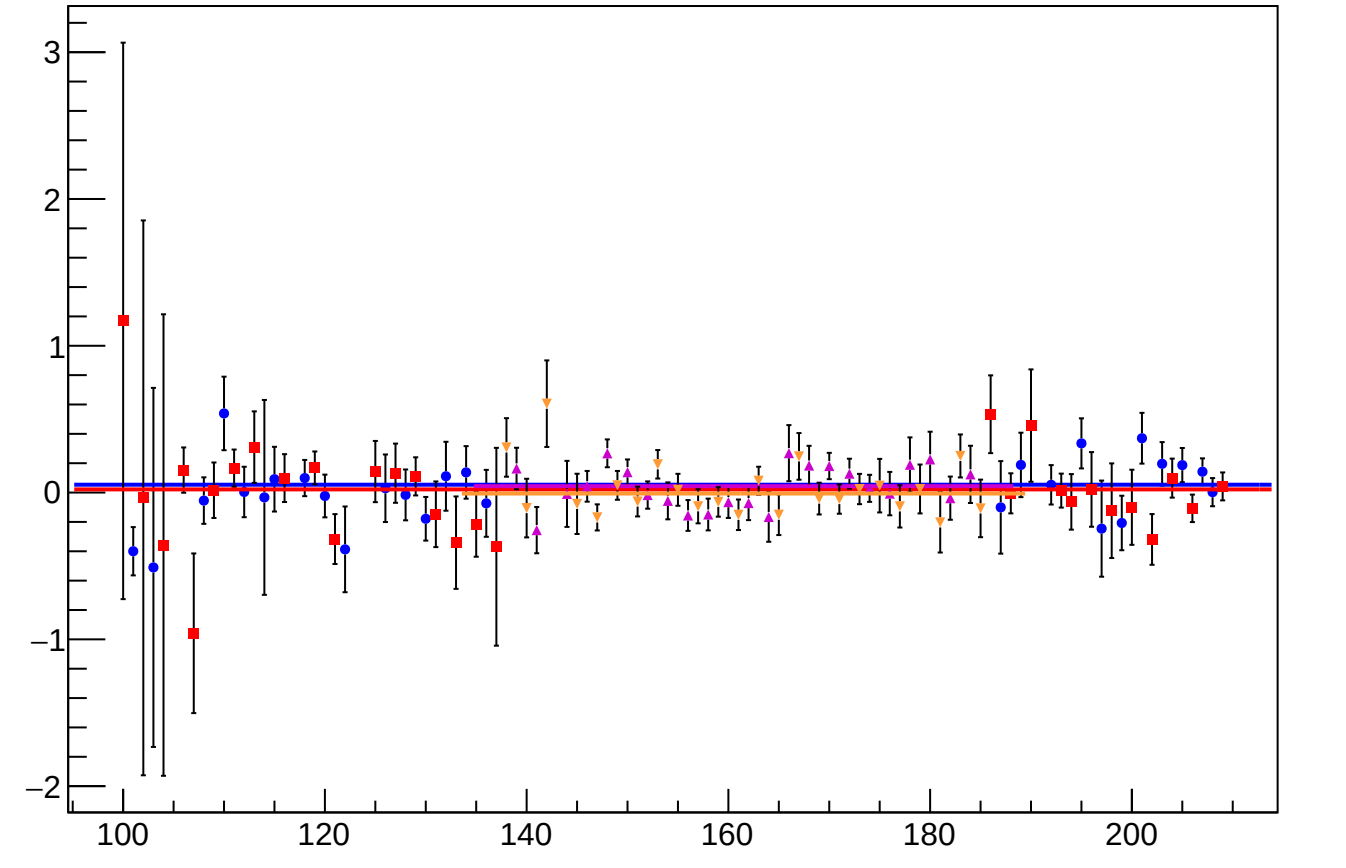
Right Out: 0.000+/-0.000 χ^2/NDF: 6438418.1/29

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8371230.8/50

All: 0.000+/-0.000 χ^2/NDF: 19098981.2/103

- sign 0.000+/-0.000 χ^2/NDF: 10727596.5/52



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

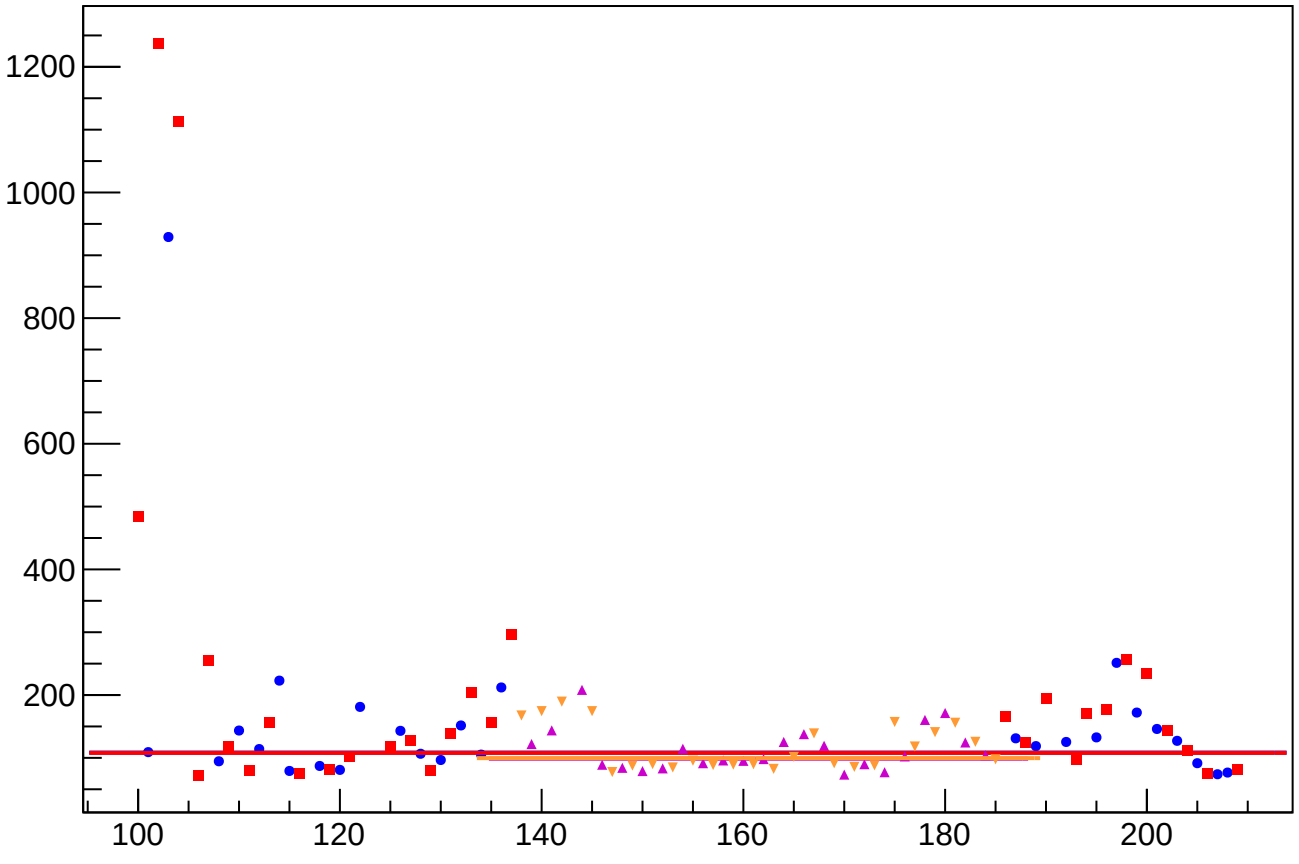
Right Out: 0.022+/-0.032 χ^2/NDF: 29.3/29

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/103

- sign 0.035+/-0.020 χ^2/NDF: 59.9/52



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.960+/-0.022 χ^2/NDF: 4853161.3/29

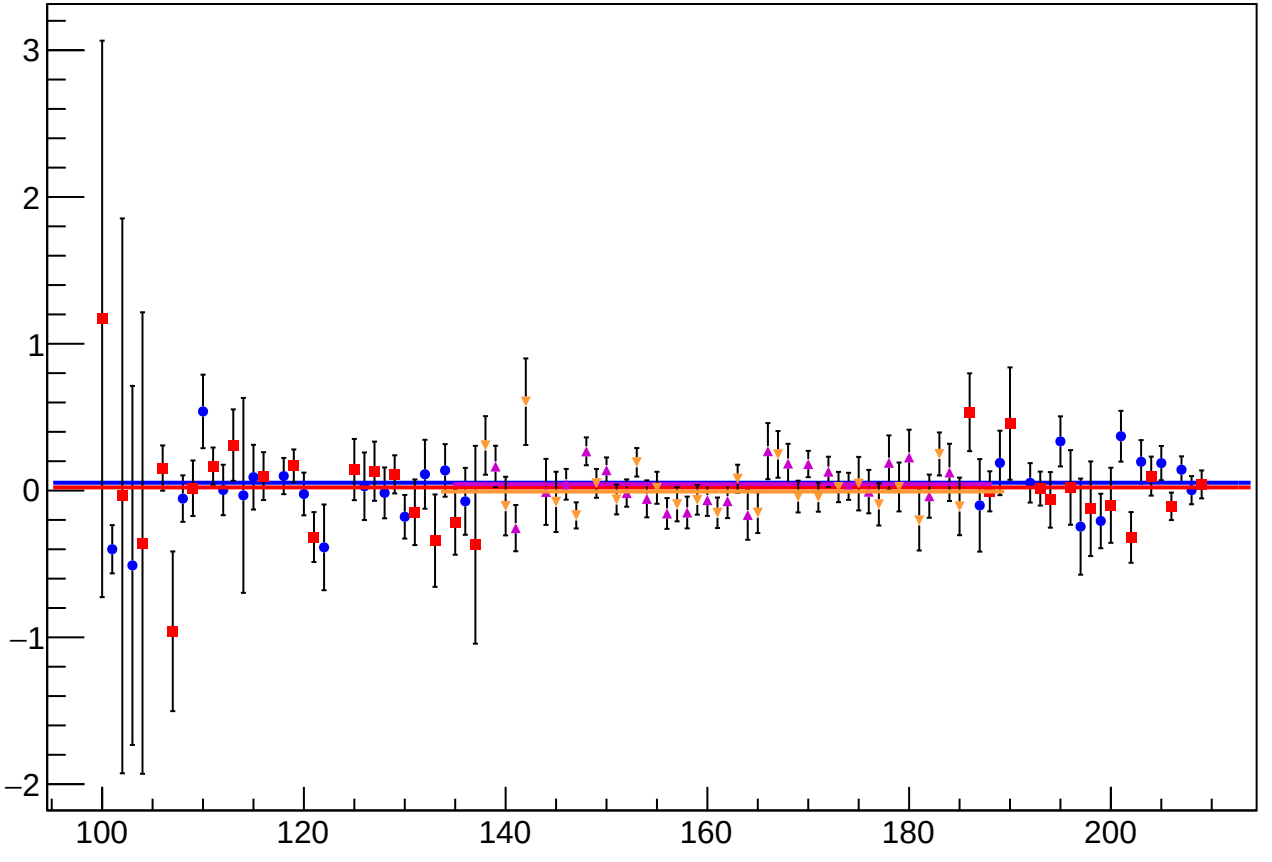
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389275.3/50

All: 102.612+/-0.010 χ^2/NDF: 12353037.8/10

- sign 102.246+/-0.014 χ^2/NDF: 6962367.0/52

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

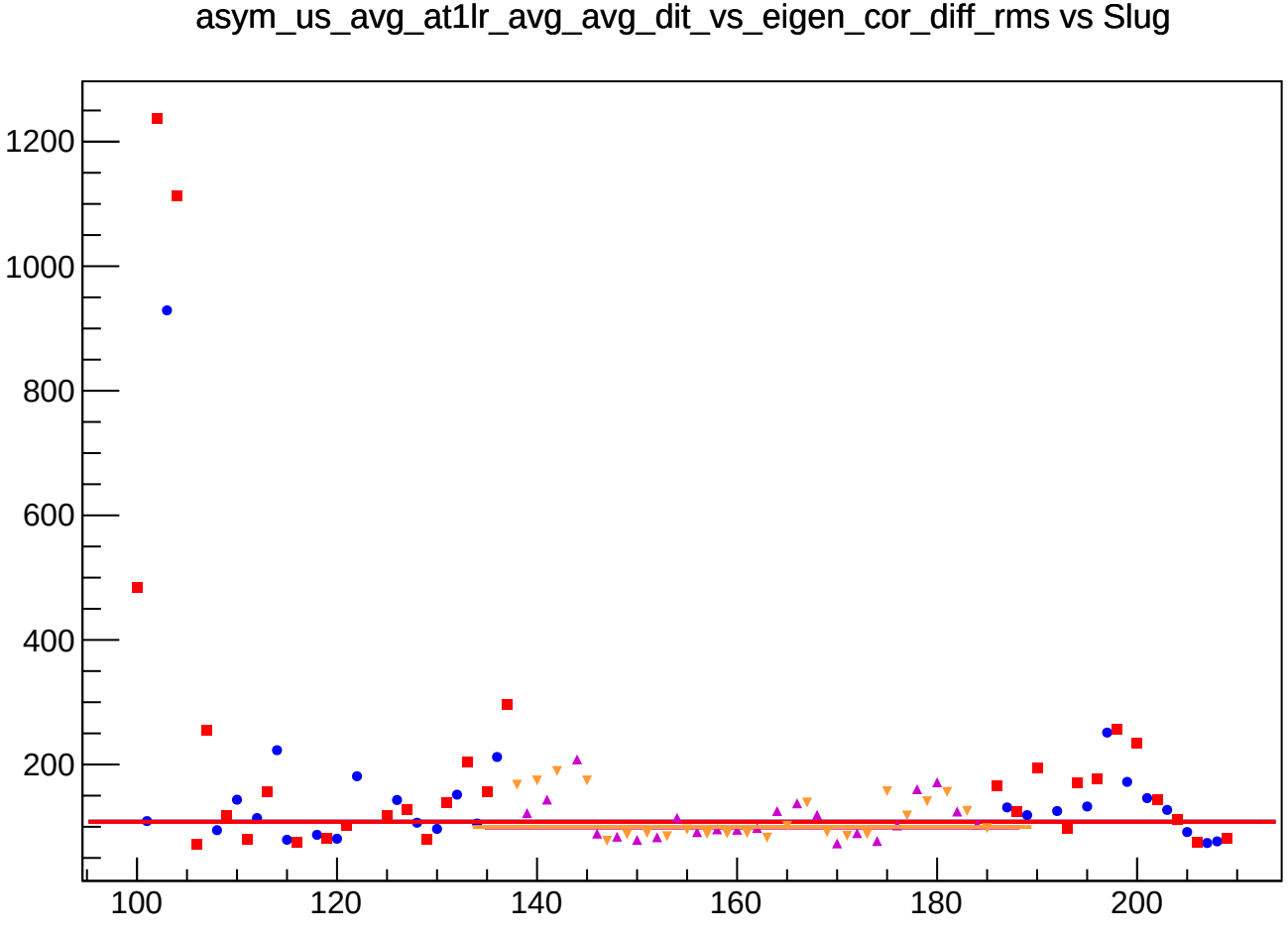
Right Out: 0.022+/-0.032 χ^2/NDF: 29.3/29

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/103

- sign 0.035+/-0.020 χ^2/NDF: 59.9/52



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

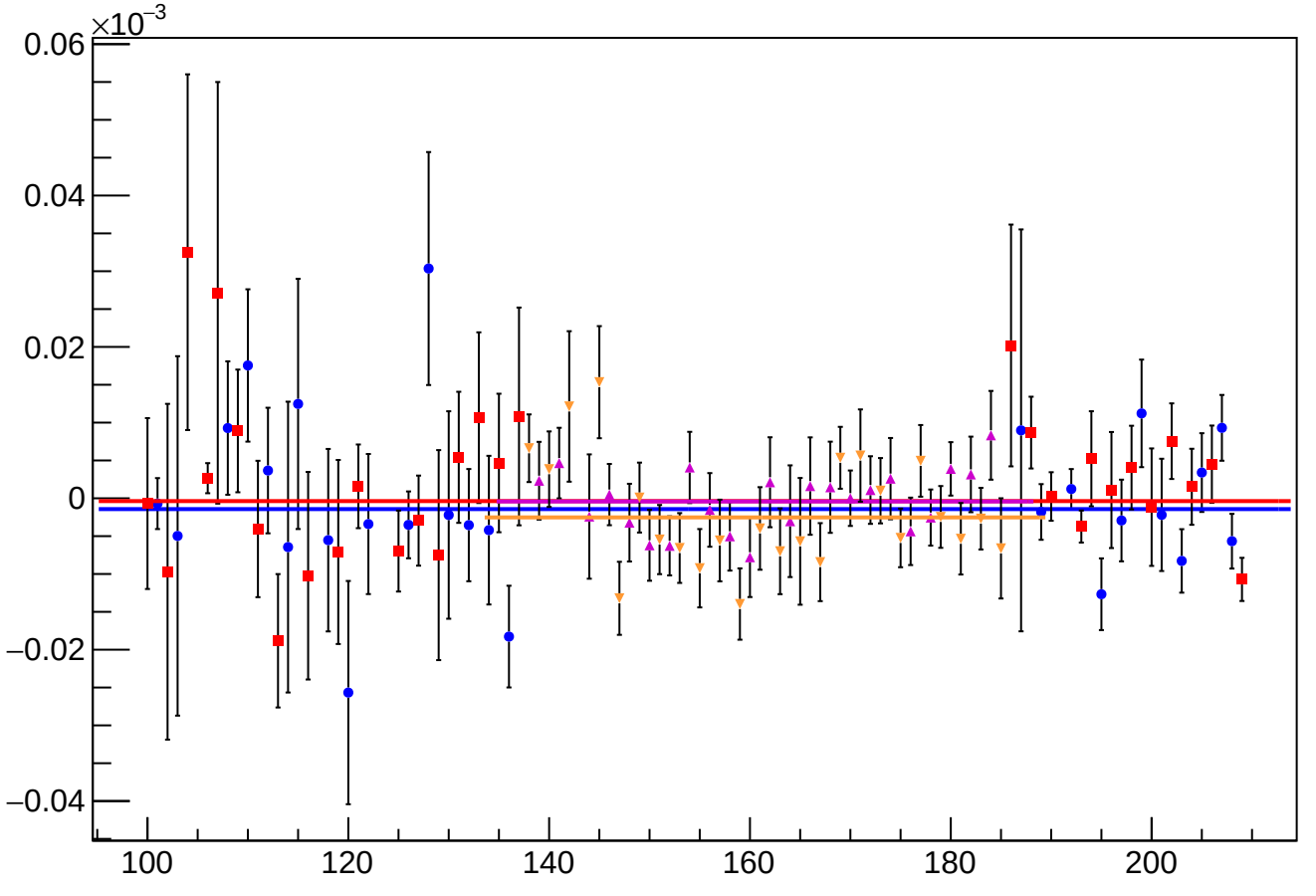
Right Out: 107.960+/-0.022 χ^2/NDF: 4853161.3/29

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389275.3/50

All: 102.612+/-0.010 χ^2/NDF: 12353037.8/10

- sign 102.246+/-0.014 χ^2/NDF: 6962367.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

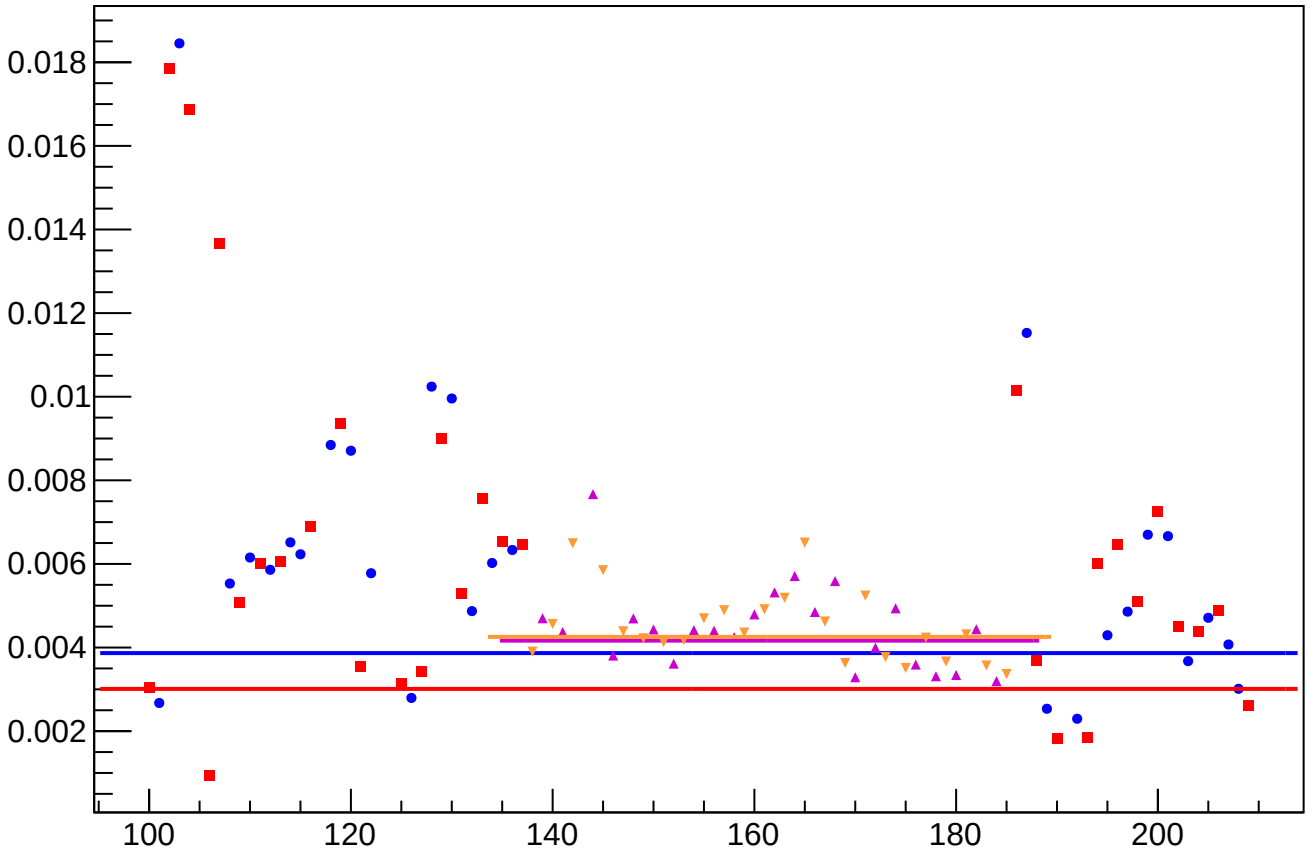
Right Out: -0.000+/-0.000 χ^2/NDF: 42.6/29

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.8/50

All: -0.000+/-0.000 χ^2/NDF: 142.9/103

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



Right In: 0.004+/-0.000 χ^2/NDF: 5273044.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

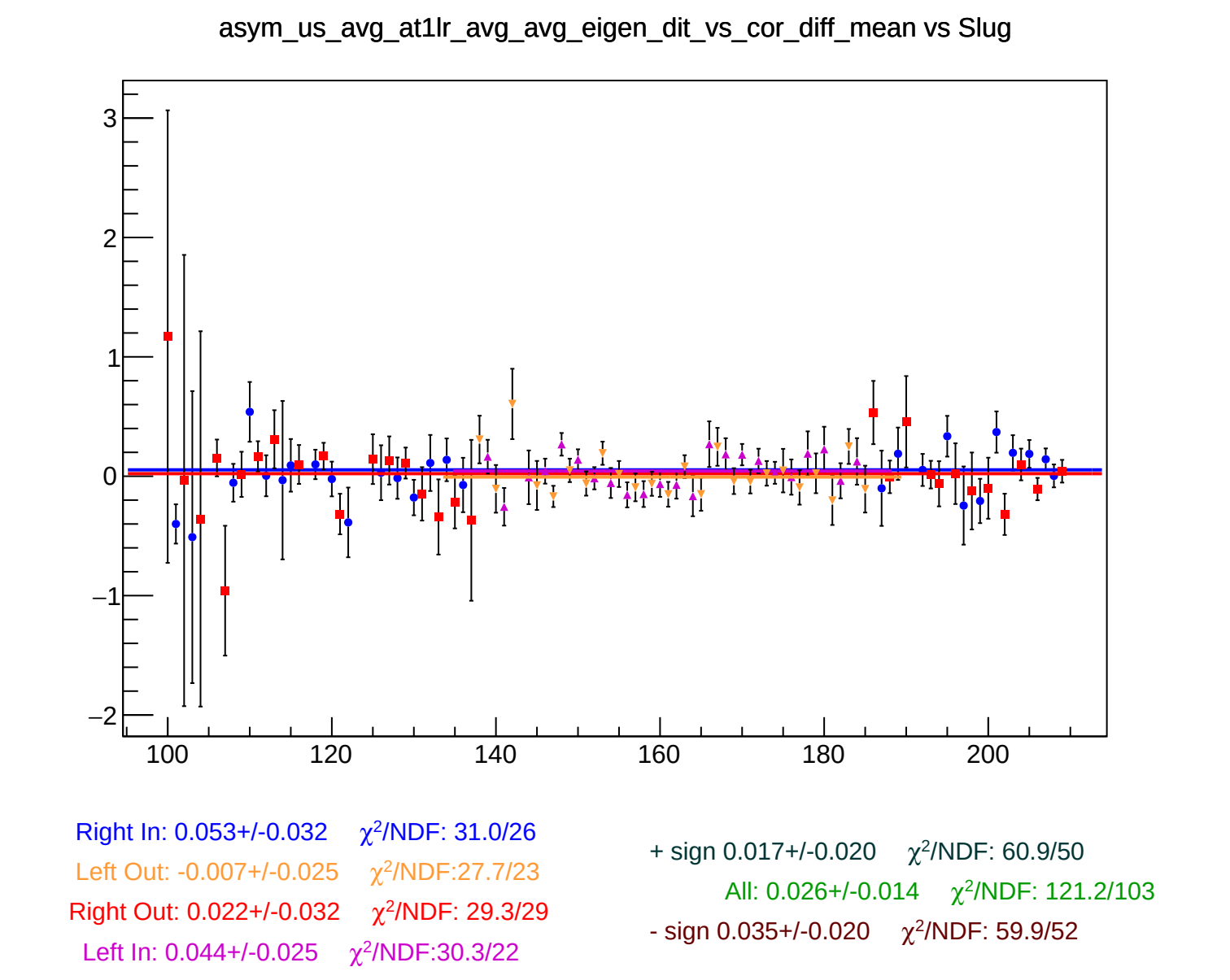
Right Out: 0.003+/-0.000 χ^2/NDF: 10335615.0/29

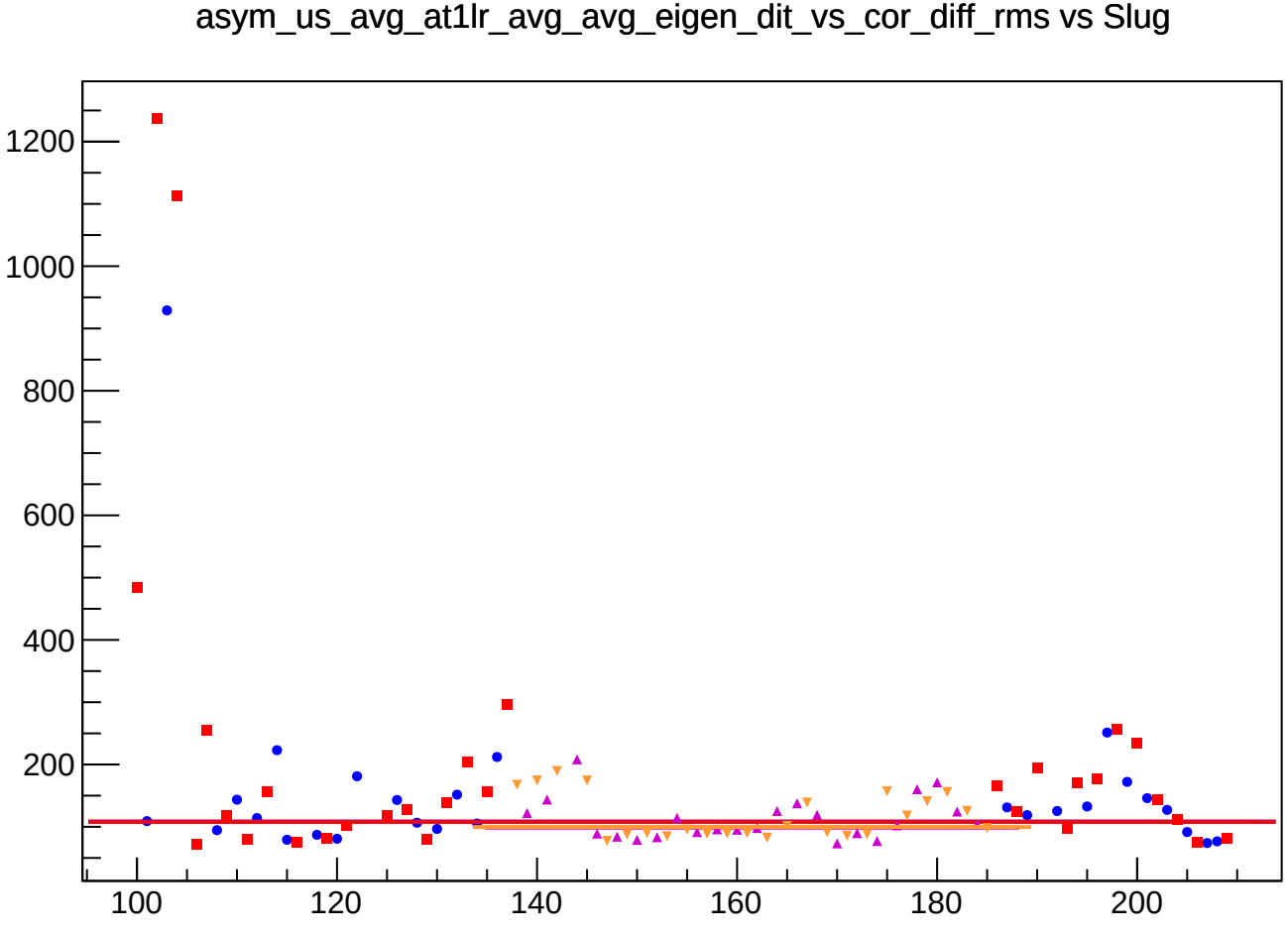
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6241004.4/50

All: 0.004+/-0.000 χ^2/NDF: 19844002.3/103

- sign 0.004+/-0.000 χ^2/NDF: 13053317.0/52


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: 0.053+/-0.032 χ²/NDF: 31.0/26
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.022+/-0.032 χ²/NDF: 29.3/29
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.017+/-0.020 χ²/NDF: 60.9/50
All: 0.026+/-0.014 χ²/NDF: 121.2/103
- sign 0.035+/-0.020 χ²/NDF: 59.9/52



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.960+/-0.022 χ^2/NDF: 4853133.5/29

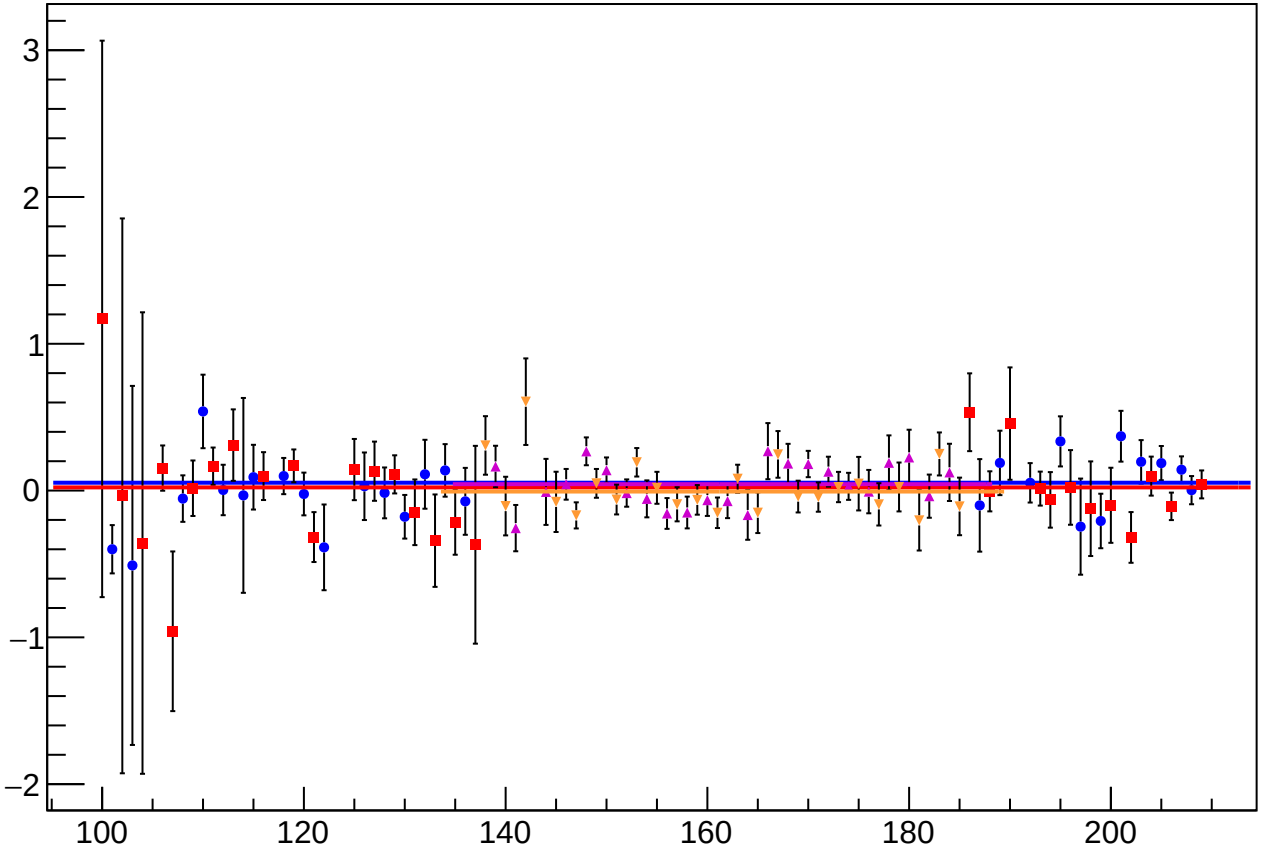
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389154.4/50

All: 102.612+/-0.010 χ^2/NDF: 12352842.2/10

- sign 102.246+/-0.014 χ^2/NDF: 6962291.5/52

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

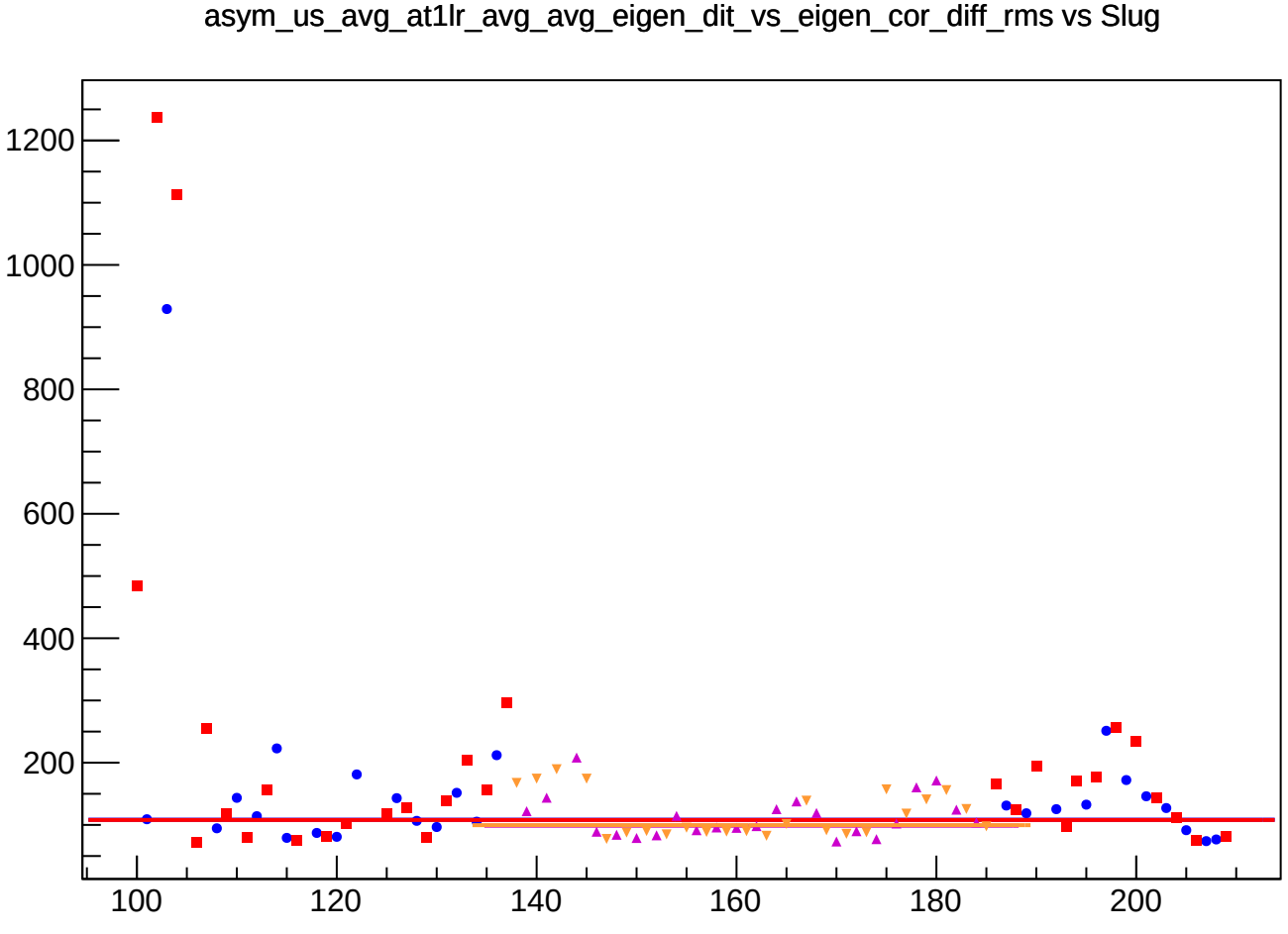
Right Out: 0.022+/-0.032 χ^2/NDF: 29.3/29

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.017+/-0.020 χ^2/NDF: 60.9/50

All: 0.026+/-0.014 χ^2/NDF: 121.2/103

- sign 0.035+/-0.020 χ^2/NDF: 59.9/52



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

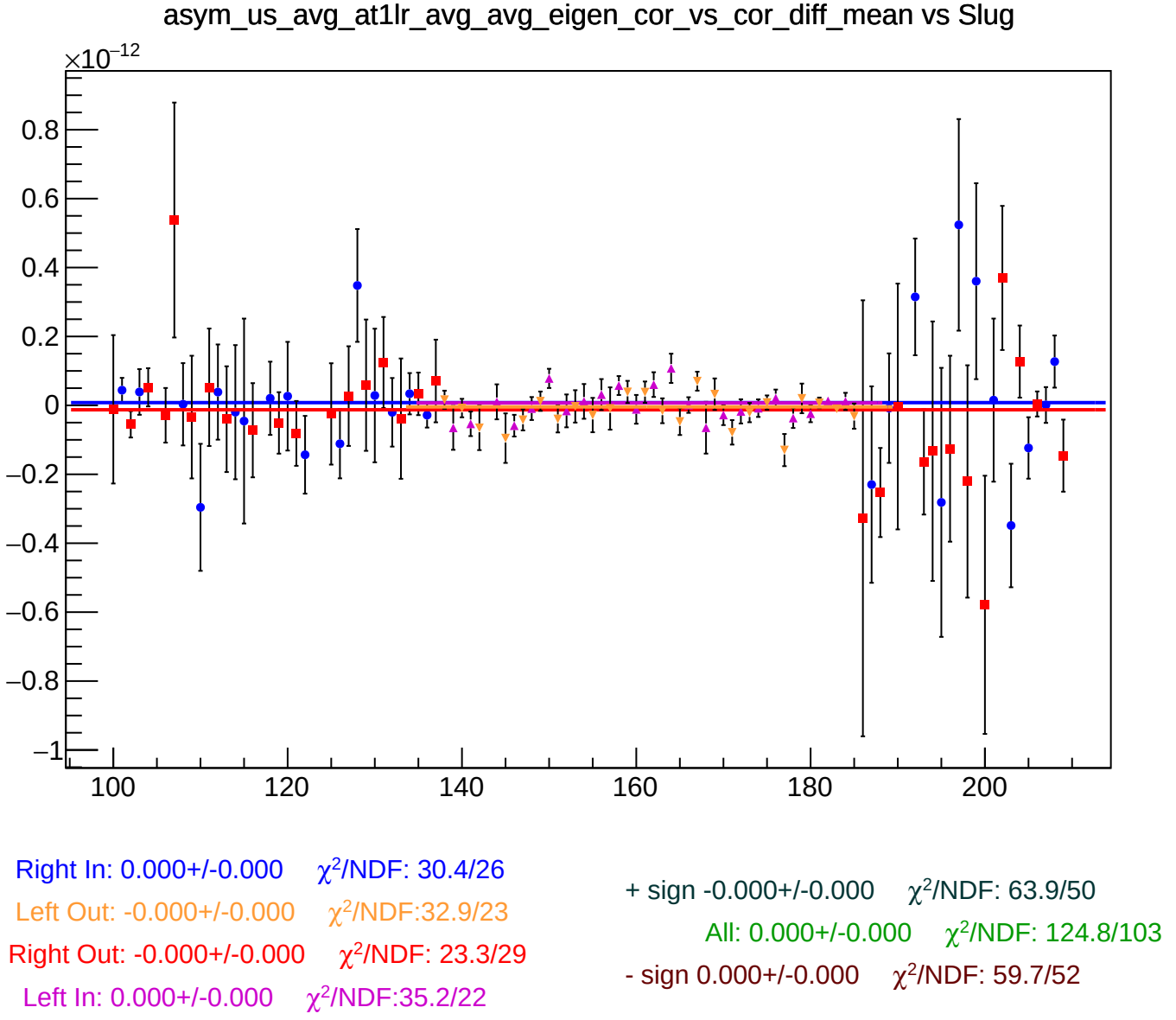
Right Out: 107.960+/-0.022 χ^2/NDF: 4853133.5/29

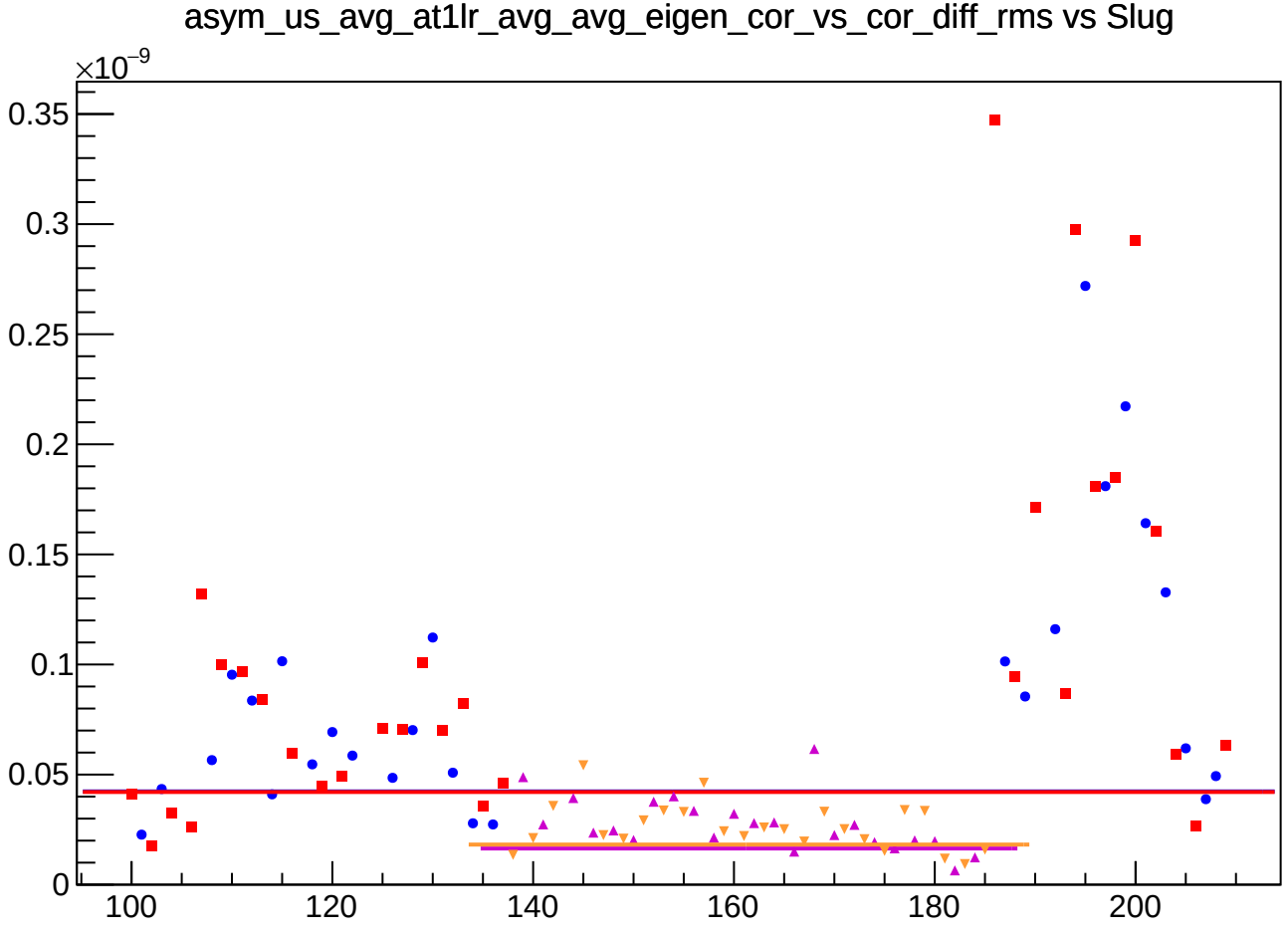
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.984+/-0.014 χ^2/NDF: 5389154.4/50

All: 102.612+/-0.010 χ^2/NDF: 12352842.2/10

- sign 102.246+/-0.014 χ^2/NDF: 6962291.5/52


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.4/26
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/29
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 63.9/50
All: 0.000+/-0.000 χ²/NDF: 124.8/103
- sign 0.000+/-0.000 χ²/NDF: 59.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 5613547.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7328546.3/29

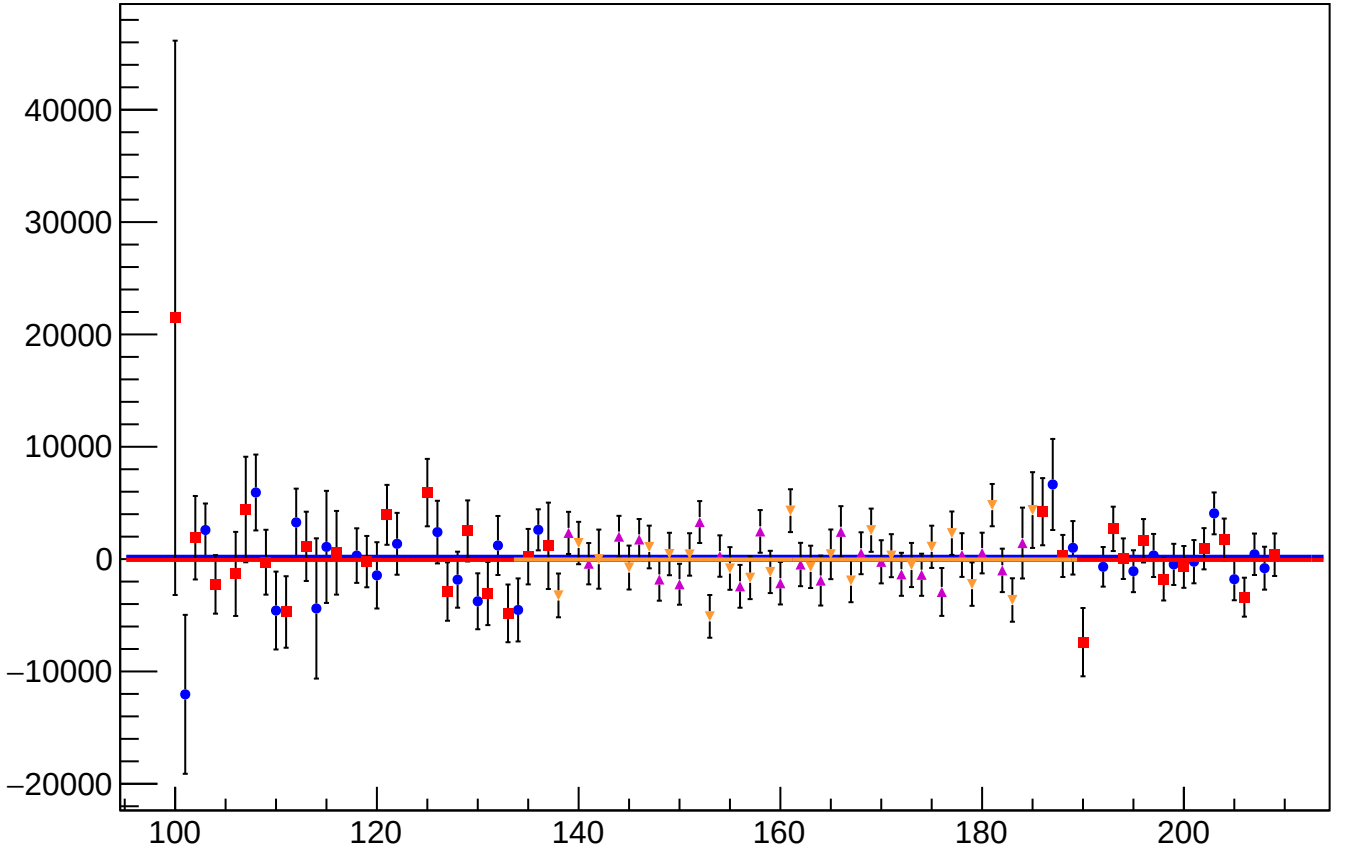
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13625119.8/50

All: 0.000+/-0.000 χ^2/NDF: 32031903.5/103

- sign 0.000+/-0.000 χ^2/NDF: 18249736.1/52

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.946+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -73.278+/-444.351 χ^2/NDF: 34.6/29

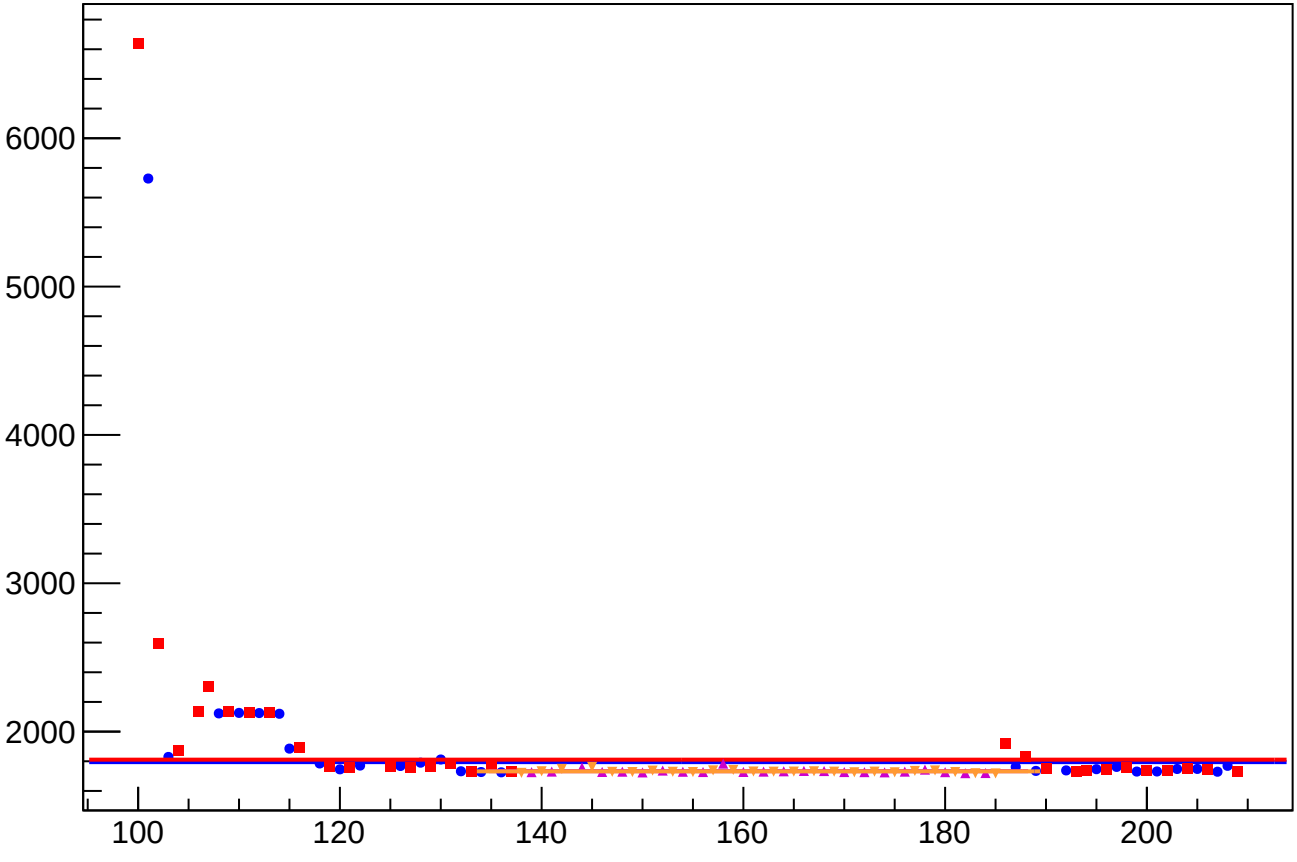
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 73.146+/-301.484 χ^2/NDF: 64.3/50

All: 5.019+/-212.371 χ^2/NDF: 118.4/103

- sign -62.083+/-299.205 χ^2/NDF: 54.0/52

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.207+/-0.322 χ^2/NDF: 707715.9/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

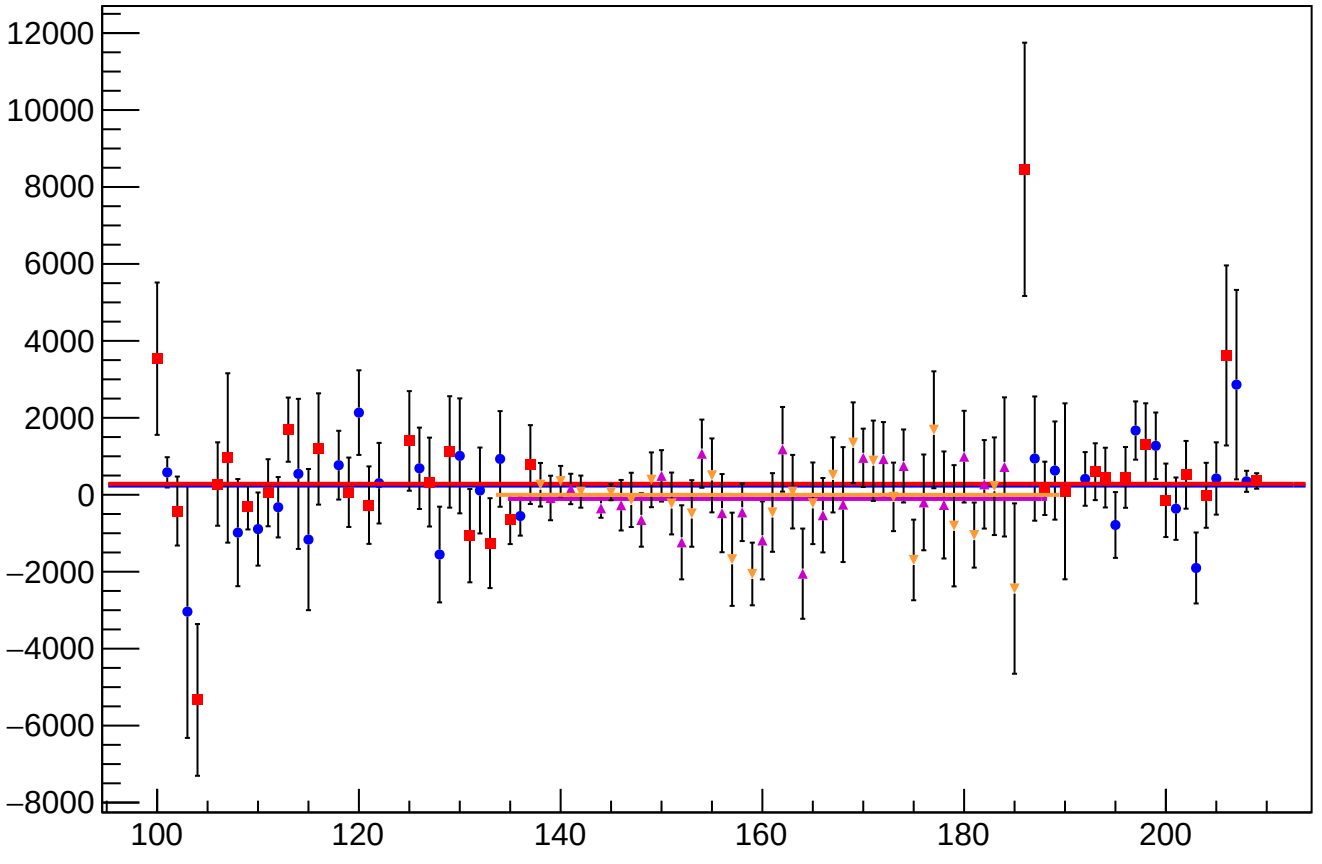
Right Out: 1810.855+/-0.314 χ^2/NDF: 307984.6/29

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF: 729617.2/50

All: 1763.874+/-0.150 χ^2/NDF: 1074073.0/10

- sign 1768.472+/-0.212 χ^2/NDF: 343503.8/52



Right In: 238.531+/-148.255 χ^2/NDF: 27.7/26

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

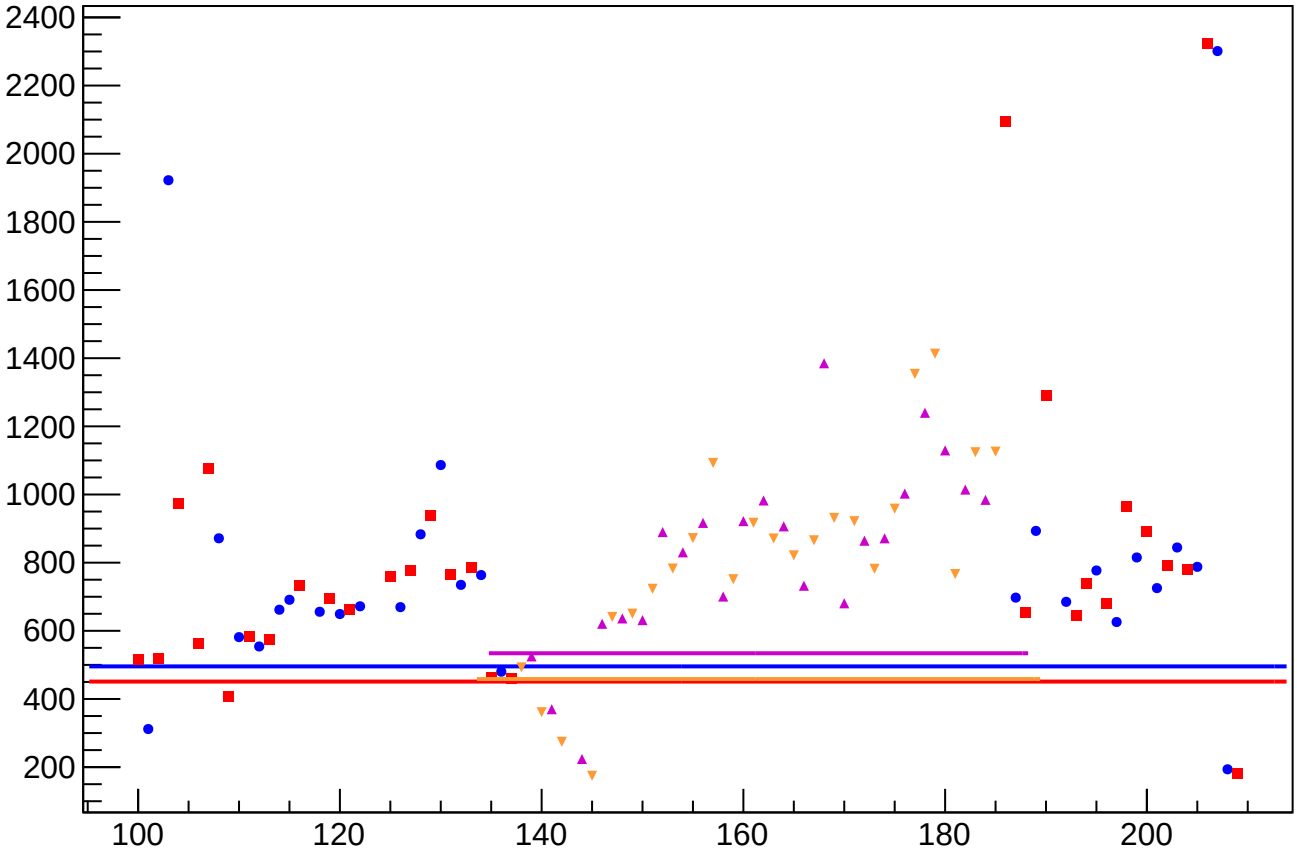
Right Out: 285.074+/-135.382 χ^2/NDF: 32.5/29

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 102.371+/-97.766 χ^2/NDF: 49.5/50

All: 100.962+/-69.359 χ^2/NDF: 102.9/103

- sign 99.534+/-98.414 χ^2/NDF: 53.4/52



Right In: 495.634+/-0.105 χ^2/NDF: 7005983.0/26

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 451.093+/-0.096 χ^2/NDF: 9390006.7/29

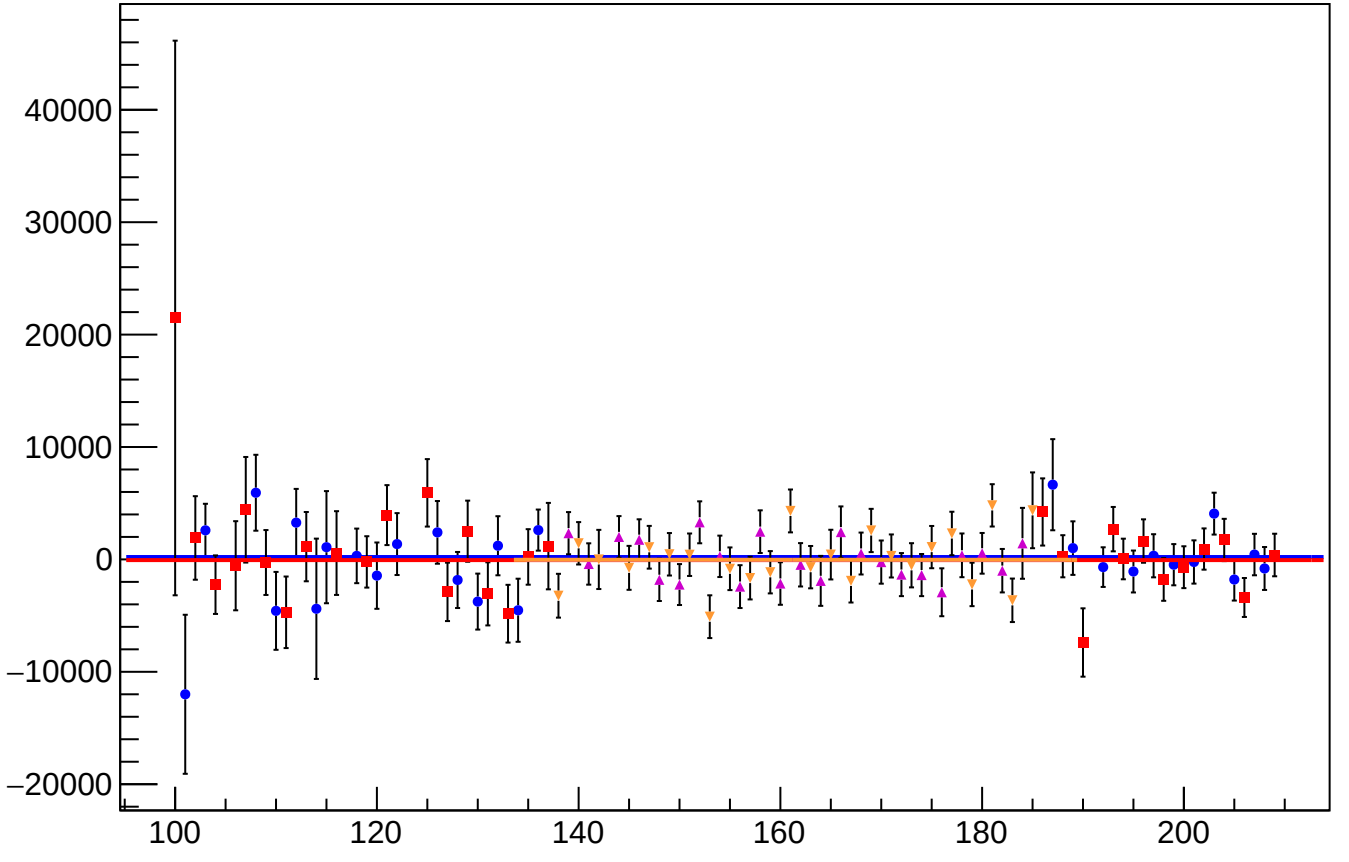
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

\+ sign 474.693+/-0.069 χ^2/NDF: 18503326.1/50

All: 482.427+/-0.049 χ^2/NDF: 36716890.9/10

\- sign 490.264+/-0.070 χ^2/NDF: 18188366.0/52

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -61.762+/-444.693 χ^2/NDF: 34.5/29

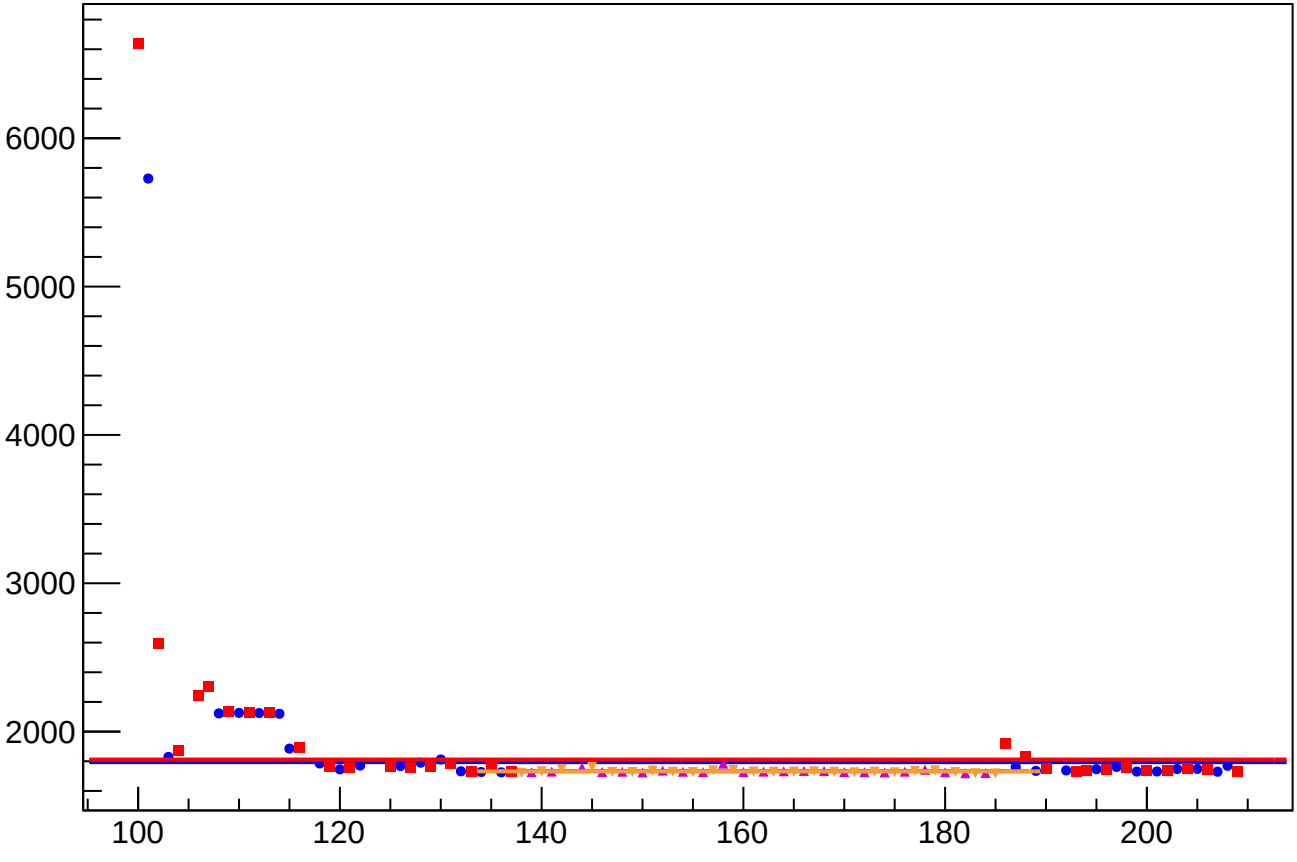
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 73.169+/-301.484 χ^2/NDF: 64.3/50

All: 7.707+/-212.408 χ^2/NDF: 118.2/103

- sign -56.813+/-299.309 χ^2/NDF: 53.9/52

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

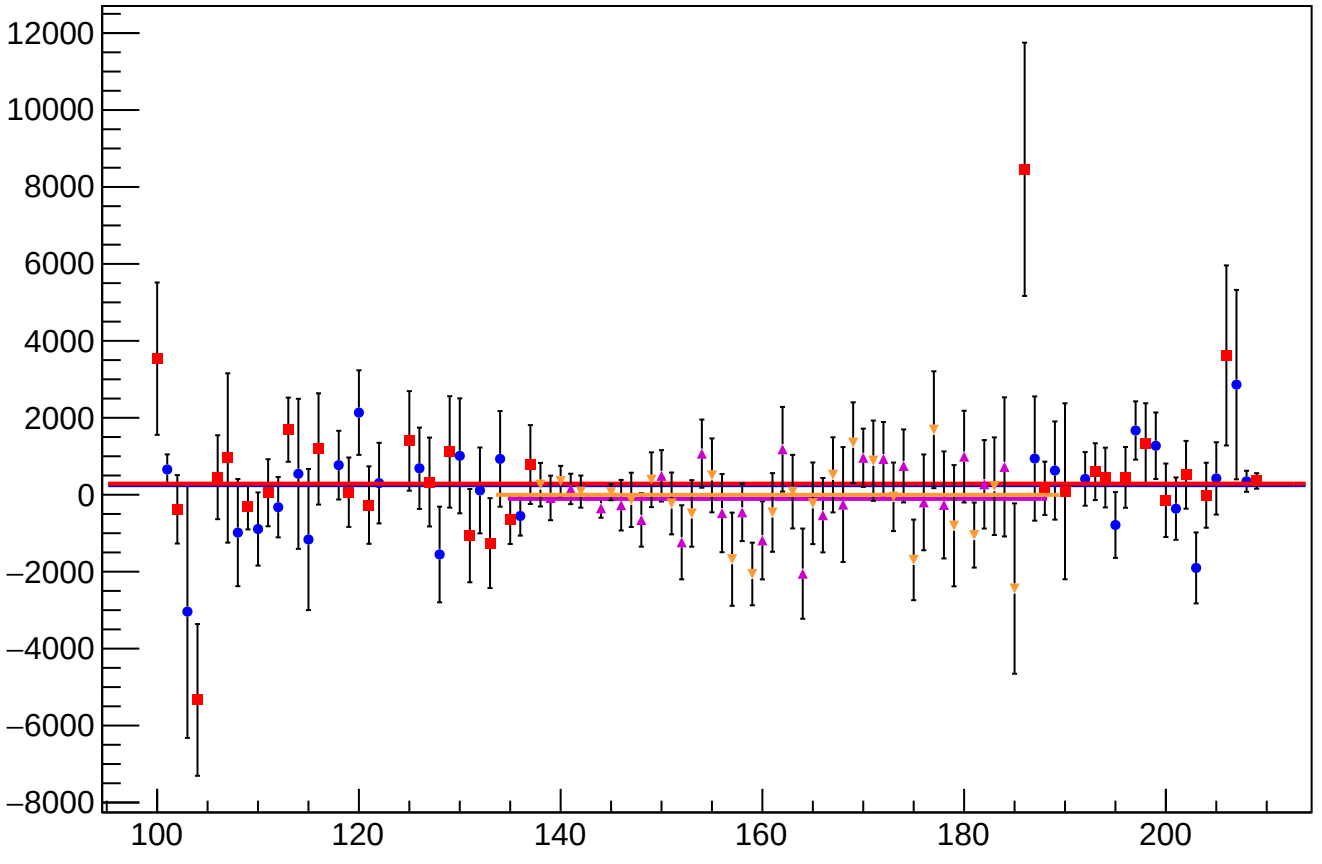
Right Out: 1811.677+/-0.314 χ^2/NDF: 316443.0/29

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF: 729617.0/50

All: 1764.045+/-0.150 χ^2/NDF: 1083283.1/10

- sign 1768.815+/-0.212 χ^2/NDF: 352642.8/52



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 288.665+/-135.366 χ^2/NDF: 32.4/29

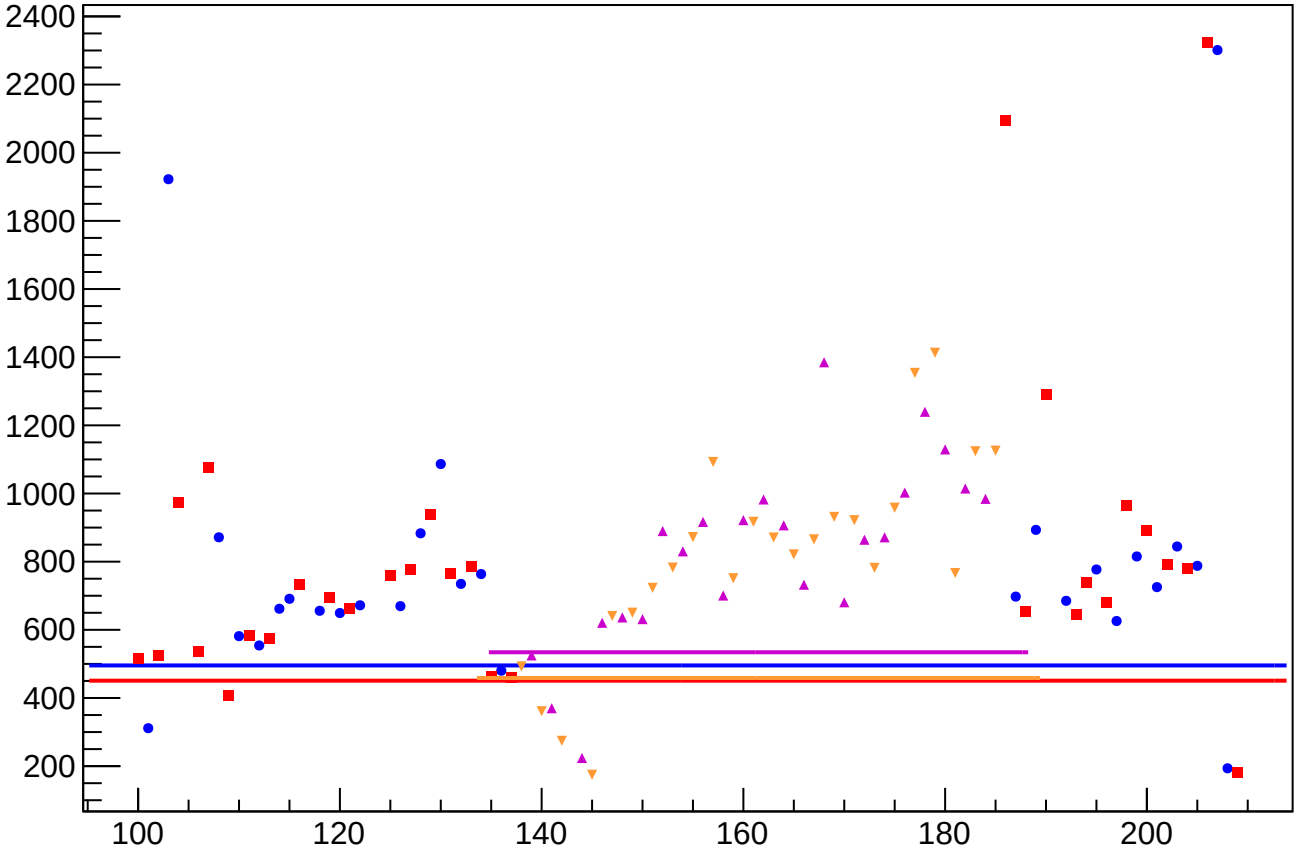
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 106.930+/-97.760 χ^2/NDF: 50.0/50

All: 104.218+/-69.355 χ^2/NDF: 103.4/103

- sign 101.470+/-98.408 χ^2/NDF: 53.5/52

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

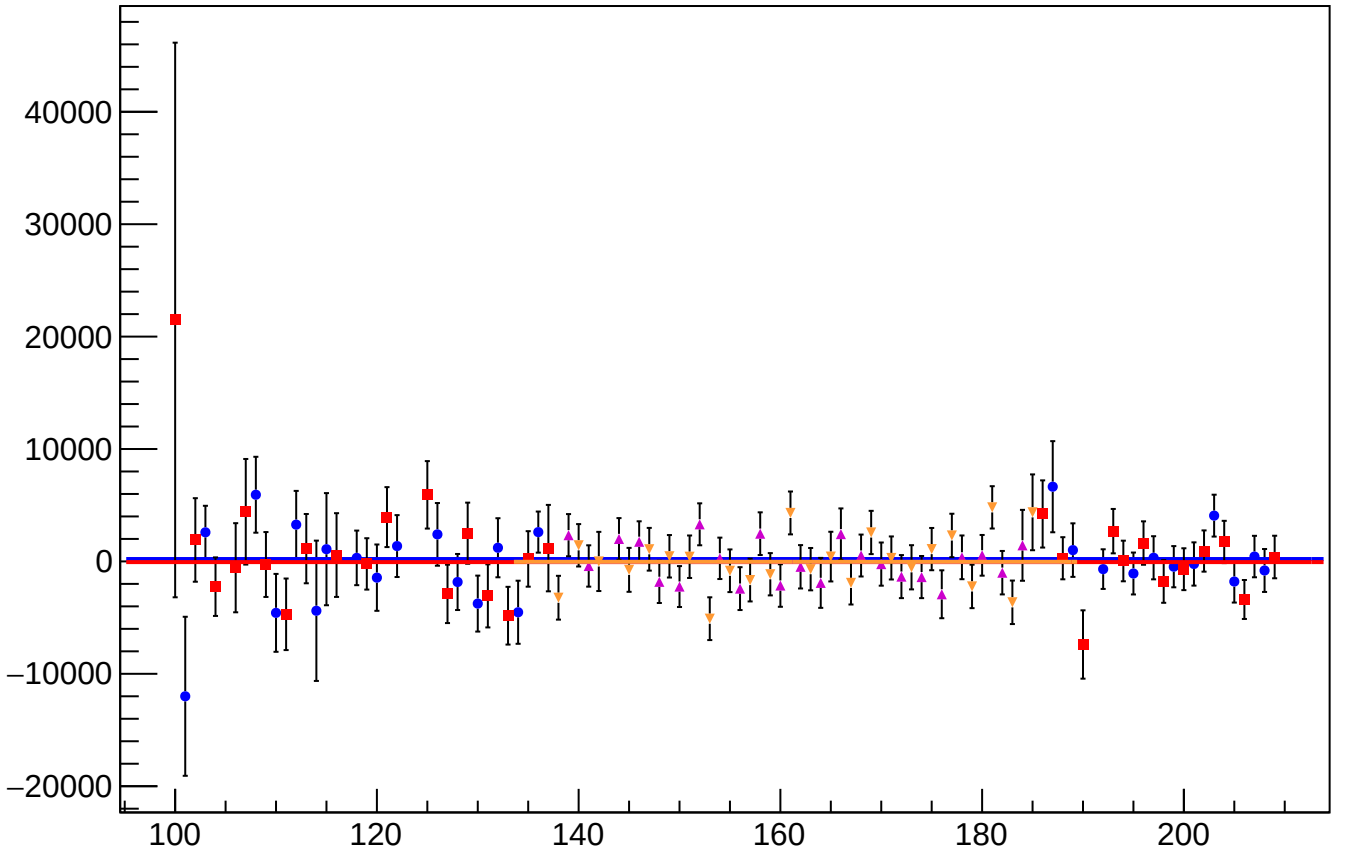
Right Out: 450.804+/-0.096 χ^2/NDF: 9384447.0/29

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 474.642+/-0.069 χ^2/NDF: 18506099.7/50

All: 482.325+/-0.049 χ^2/NDF: 36715874.3/10

- sign 490.110+/-0.070 χ^2/NDF: 18184904.3/52



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -61.762+/-444.693 χ^2/NDF: 34.5/29

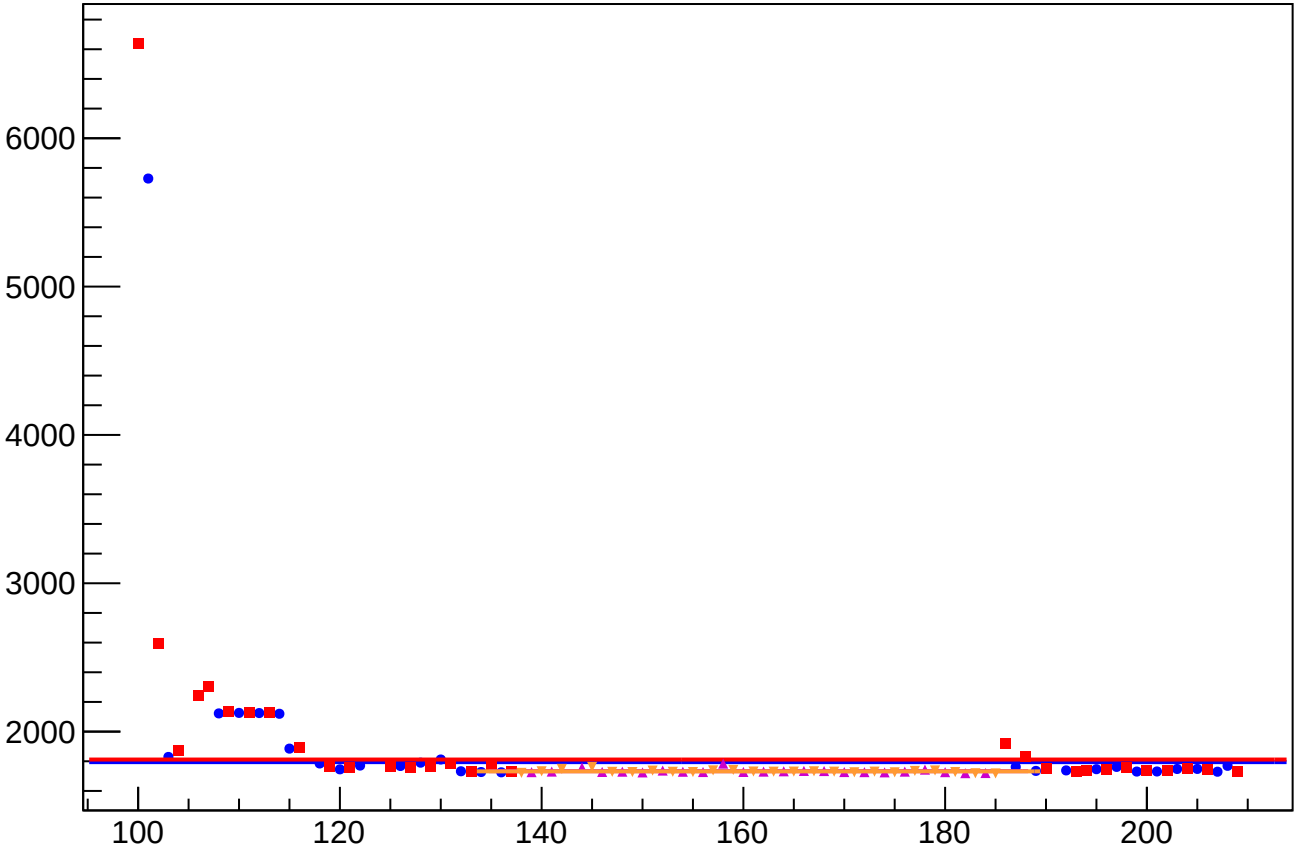
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 73.169+/-301.484 χ^2/NDF: 64.3/50

All: 7.707+/-212.408 χ^2/NDF: 118.2/103

- sign -56.813+/-299.309 χ^2/NDF: 53.9/52

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

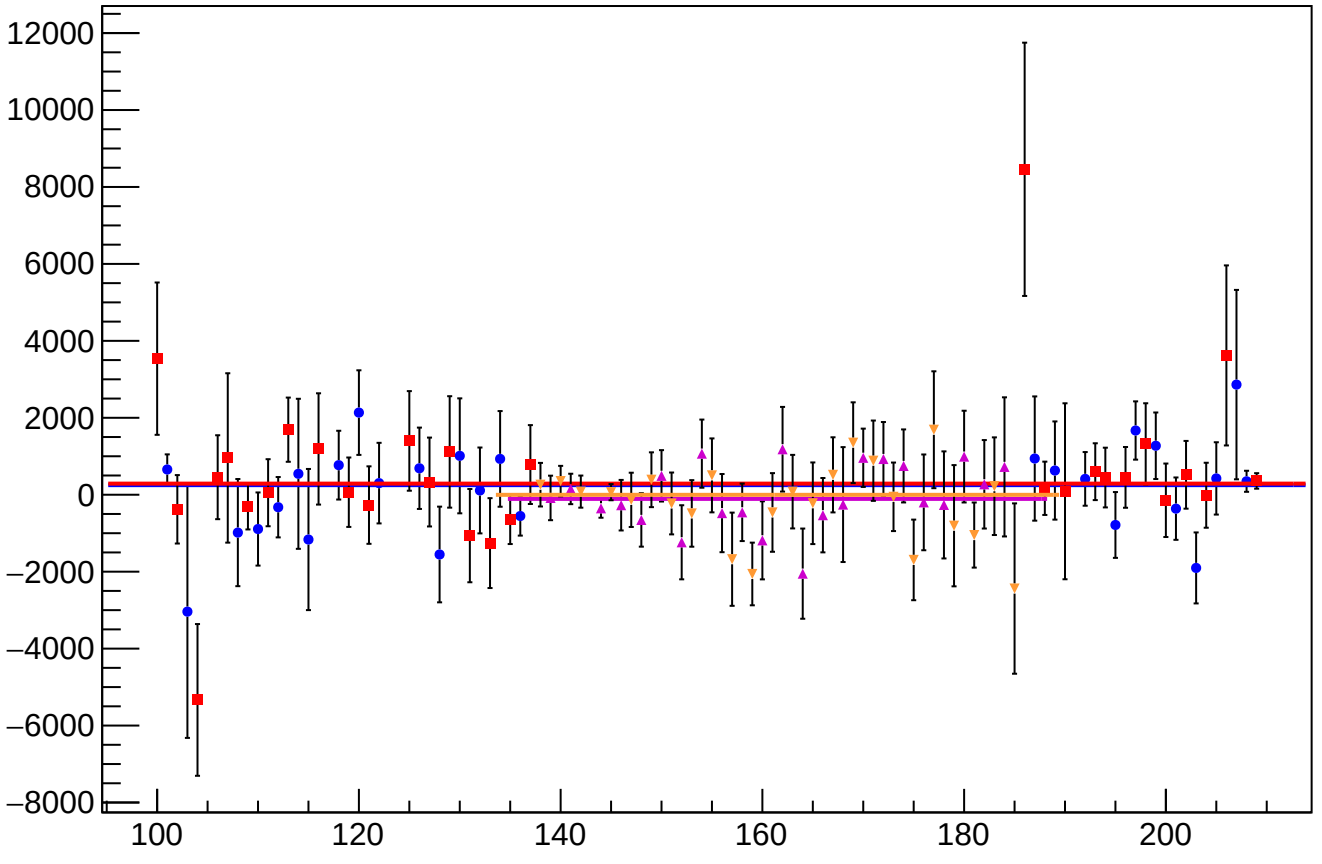
Right Out: 1811.677+/-0.314 χ^2/NDF: 316443.0/29

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.206+/-0.213 χ^2/NDF: 729617.0/50

All: 1764.045+/-0.150 χ^2/NDF: 1083283.1/10

- sign 1768.815+/-0.212 χ^2/NDF: 352642.8/52



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

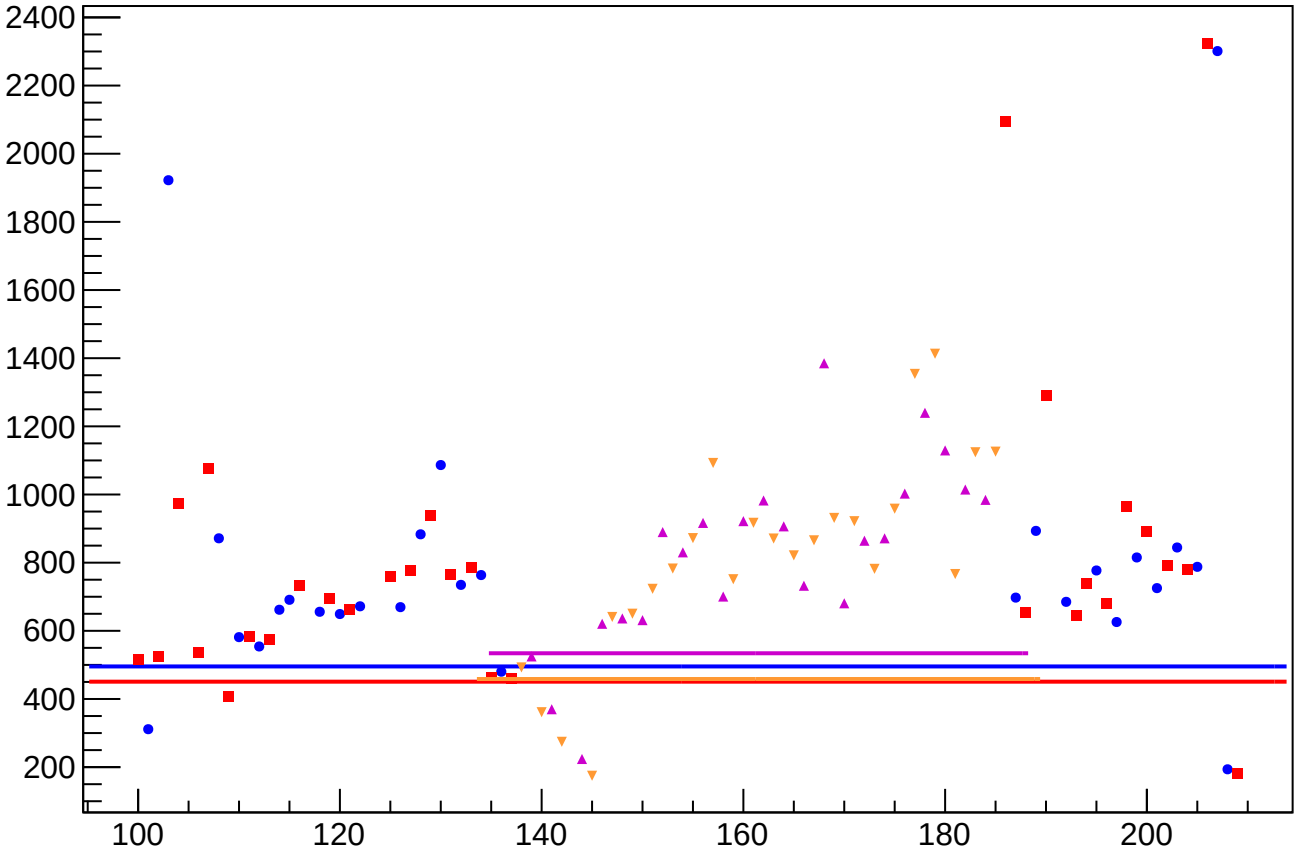
Right Out: 288.665+/-135.366 χ^2/NDF: 32.4/29

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 106.930+/-97.760 χ^2/NDF: 50.0/50

All: 104.218+/-69.355 χ^2/NDF: 103.4/103

- sign 101.470+/-98.408 χ^2/NDF: 53.5/52



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 450.804+/-0.096 χ^2/NDF: 9384447.0/29

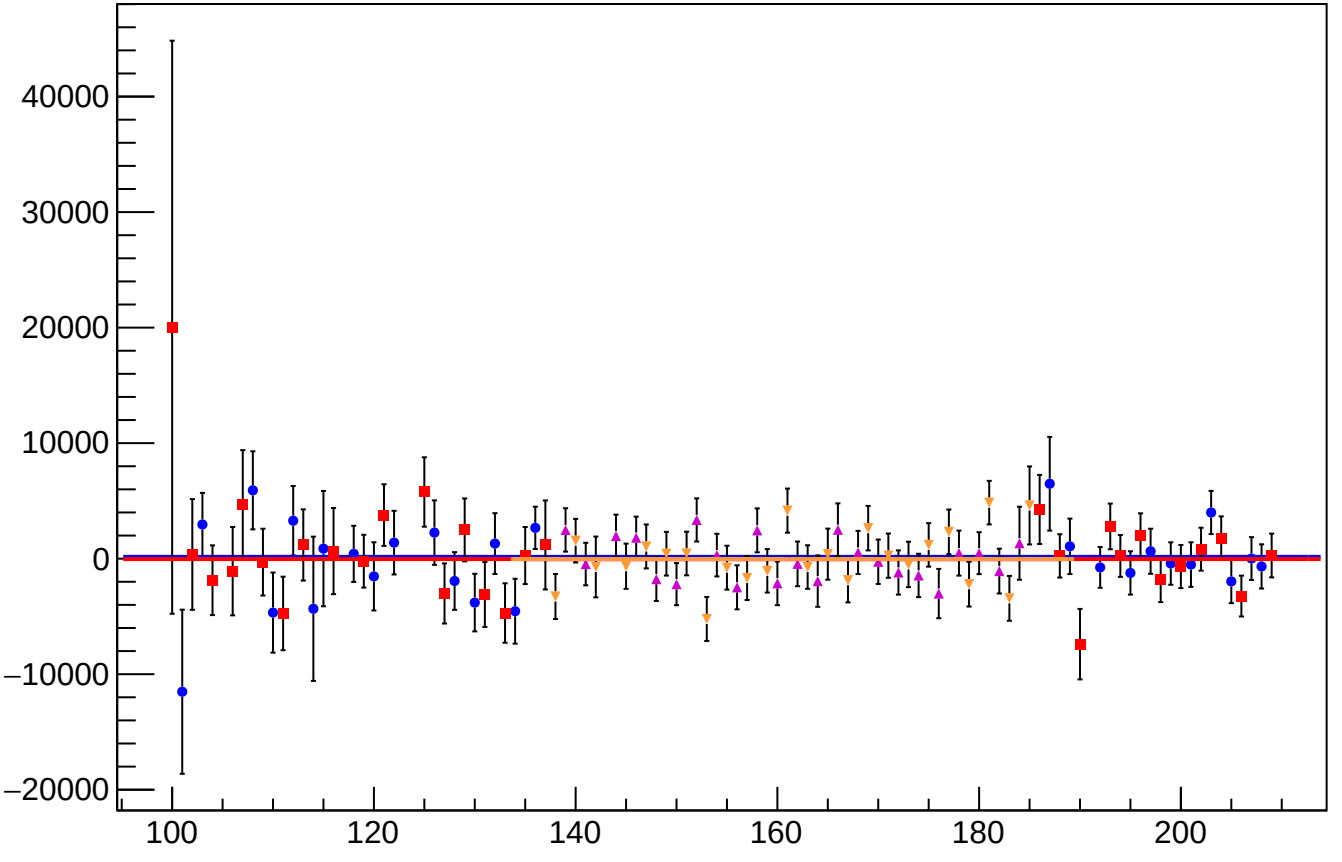
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 474.642+/-0.069 χ^2/NDF: 18506099.7/50

All: 482.325+/-0.049 χ^2/NDF: 36715874.3/10

- sign 490.110+/-0.070 χ^2/NDF: 18184904.3/52

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 154.572+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -36.254+/-449.278 χ^2/NDF: 33.5/29

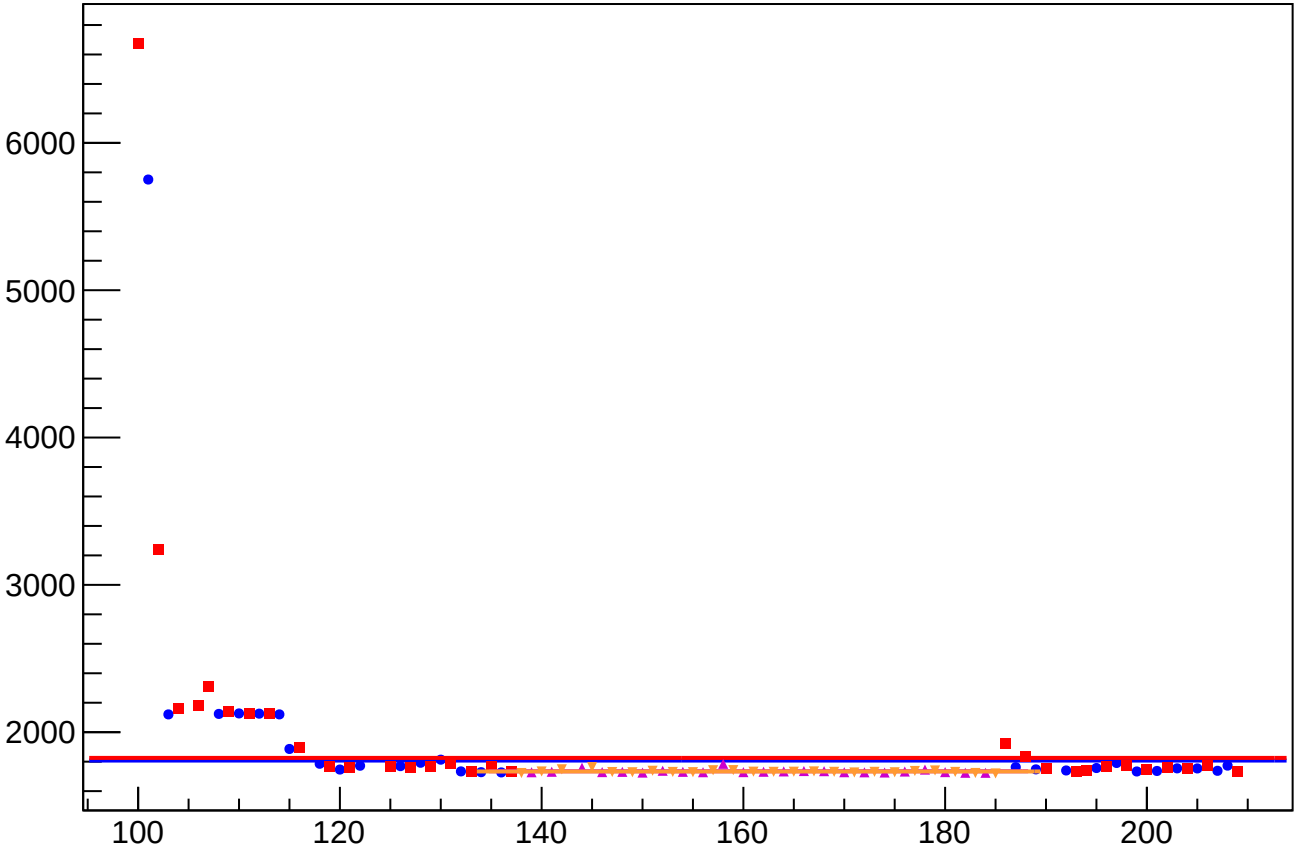
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 50.458+/-302.664 χ^2/NDF: 64.3/50

All: 5.116+/-213.368 χ^2/NDF: 117.8/103

- sign -39.680+/-300.839 χ^2/NDF: 53.4/52

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.4/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

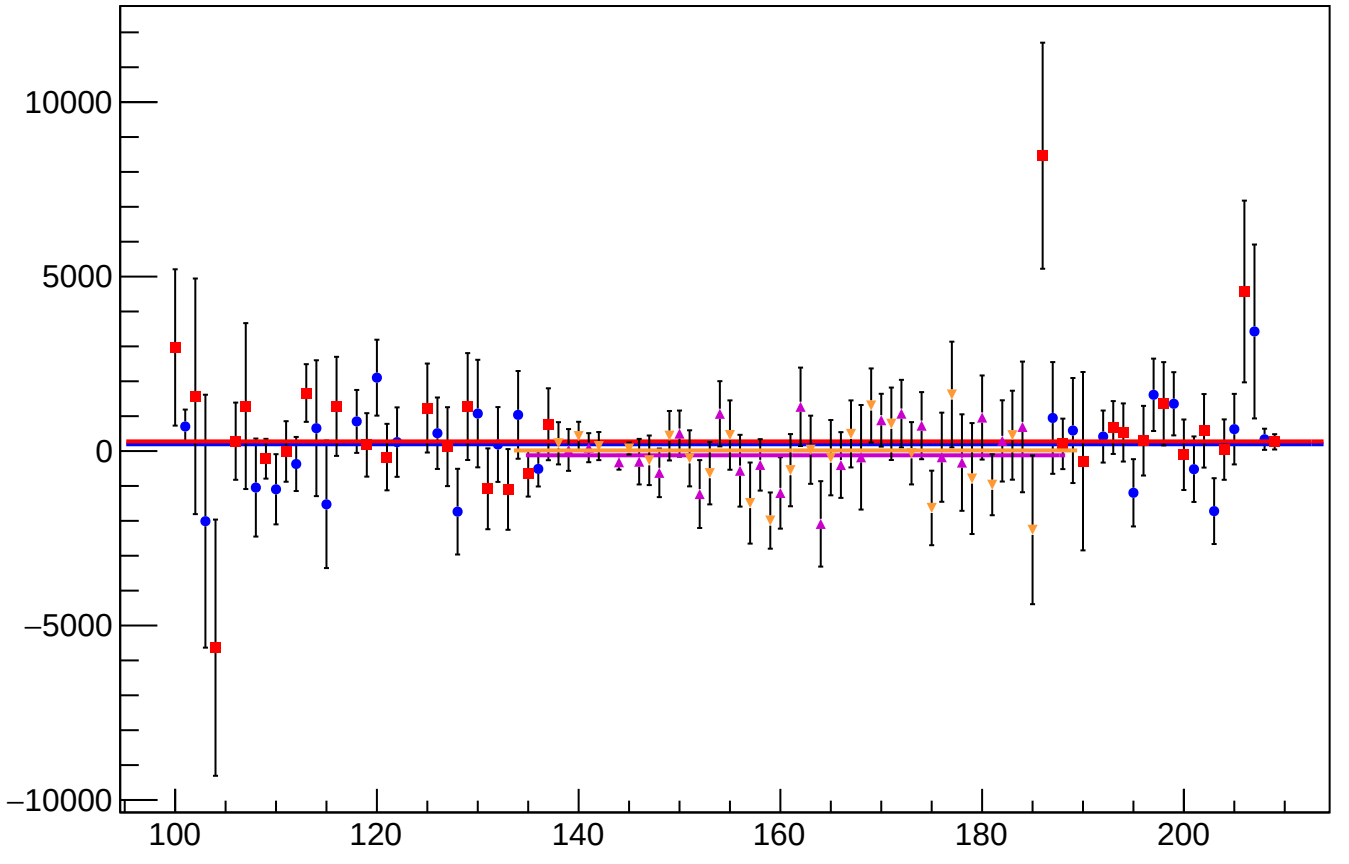
Right Out: 1825.547+/-0.318 χ^2/NDF: 416997.4/29

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1765.631+/-0.214 χ^2/NDF: 763066.2/50

All: 1770.592+/-0.151 χ^2/NDF: 1228308.2/10

- sign 1775.494+/-0.213 χ^2/NDF: 464173.6/52



Right In: 195.372+/-160.584 χ^2/NDF: 27.1/26

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

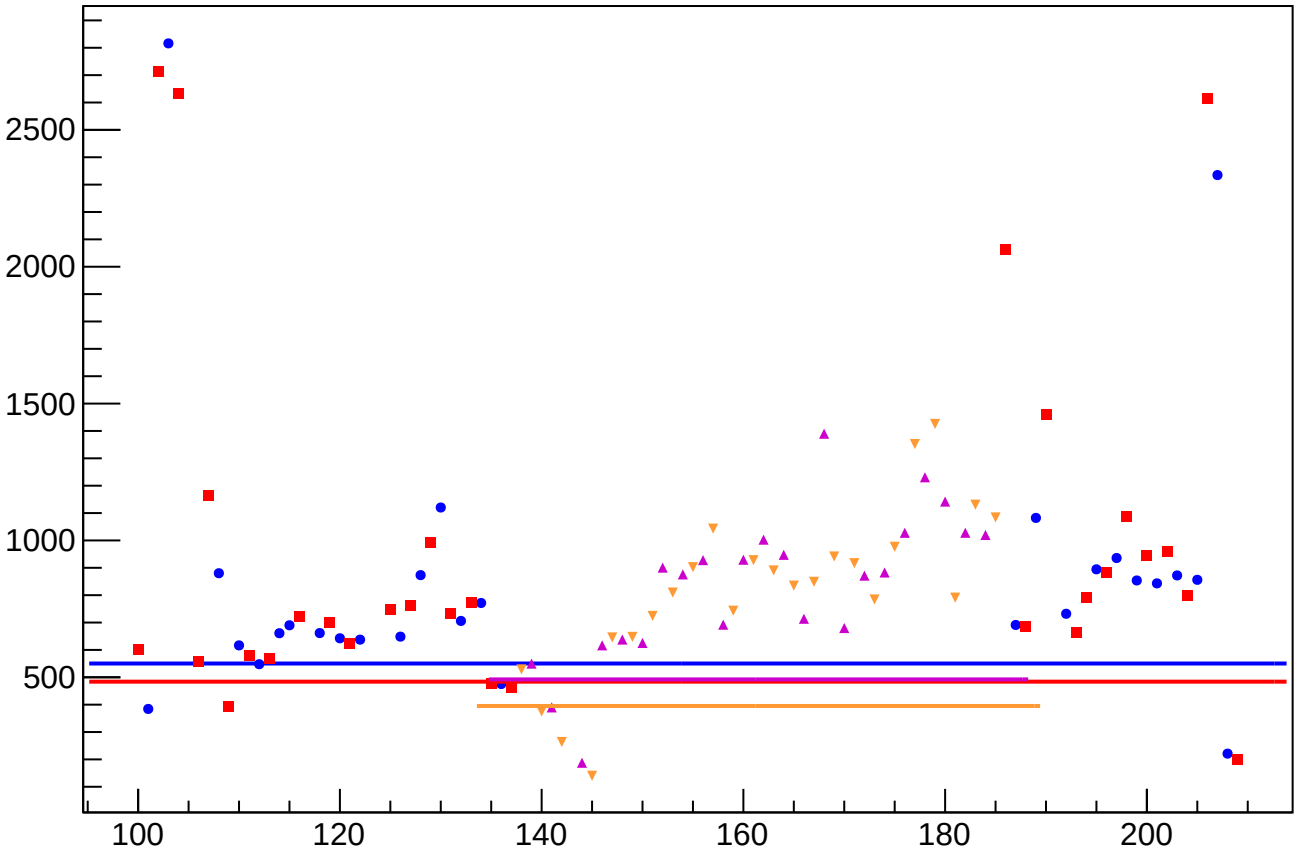
Right Out: 276.970+/-144.726 χ^2/NDF: 25.3/29

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 81.120+/-95.782 χ^2/NDF: 47.3/50

All: 74.296+/-69.022 χ^2/NDF: 93.1/103

- sign 66.924+/-99.550 χ^2/NDF: 45.8/52



Right In: 550.341+/-0.114 χ^2/NDF: 6932111.5/26

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 484.008+/-0.102 χ^2/NDF: 10602896.5/29

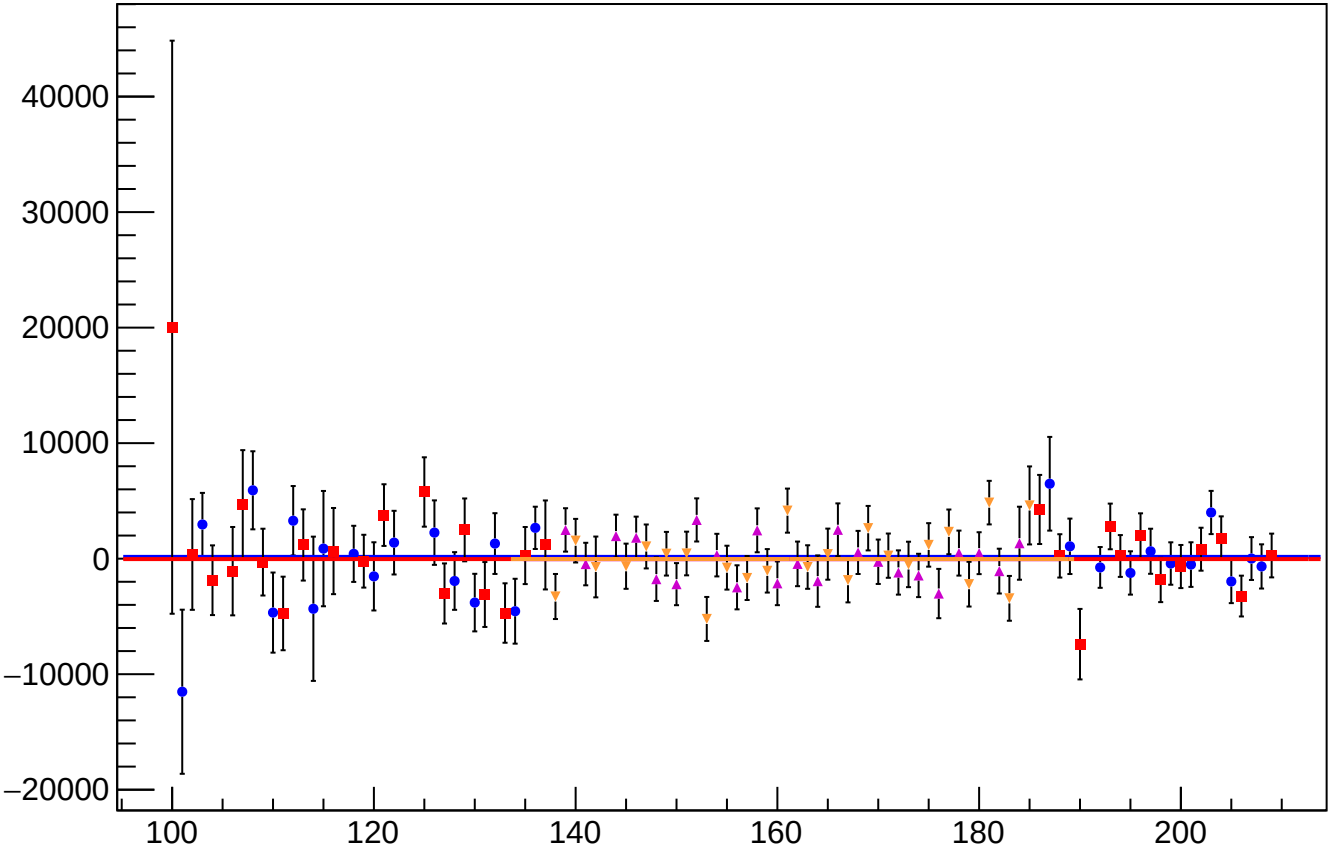
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 450.386+/-0.068 χ^2/NDF: 22469320.7/50

All: 468.647+/-0.049 χ^2/NDF: 43646398.4/10

- sign 488.373+/-0.070 χ^2/NDF: 21025850.0/52

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 154.574+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -36.253+/-449.278 χ^2/NDF: 33.5/29

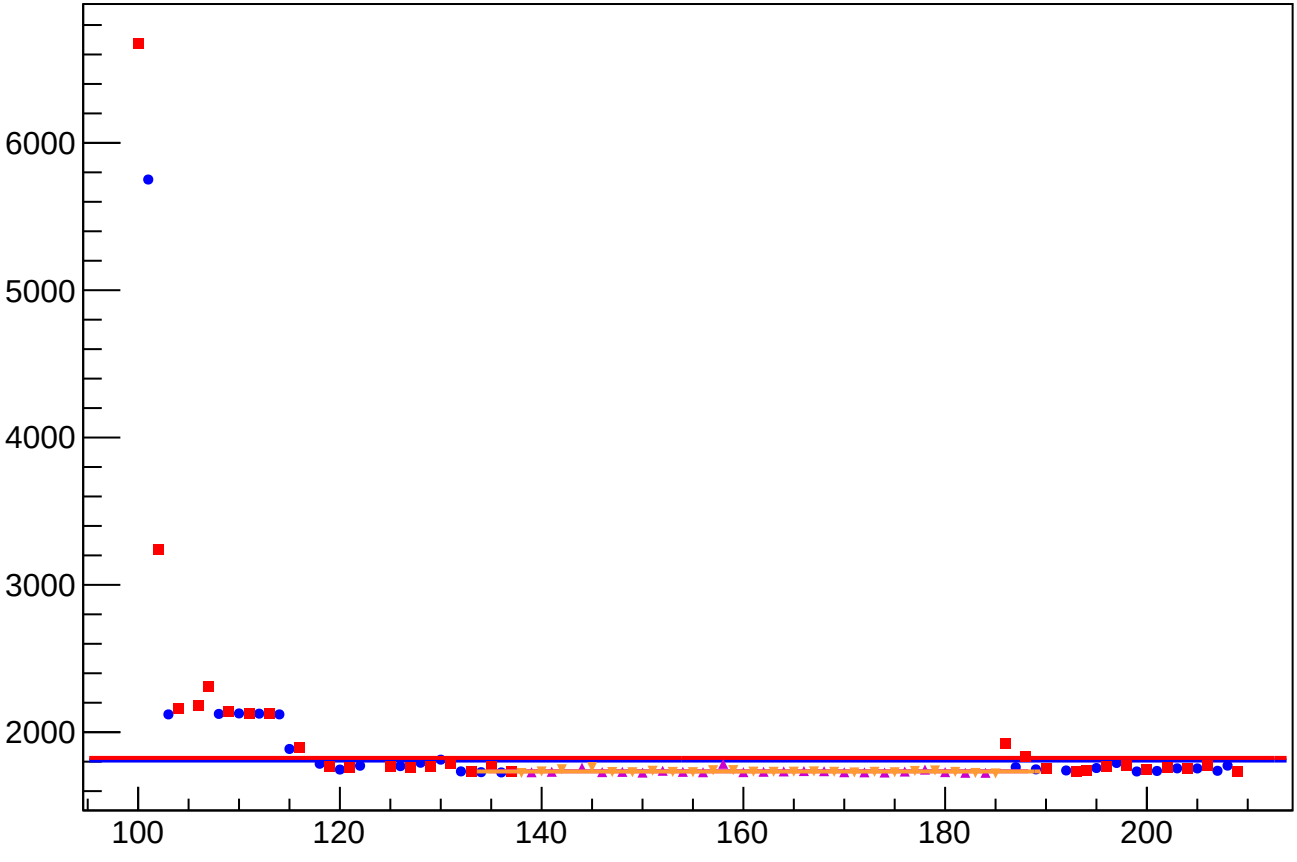
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 50.457+/-302.664 χ^2/NDF: 64.3/50

All: 5.116+/-213.368 χ^2/NDF: 117.8/103

- sign -39.680+/-300.839 χ^2/NDF: 53.4/52

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.0/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

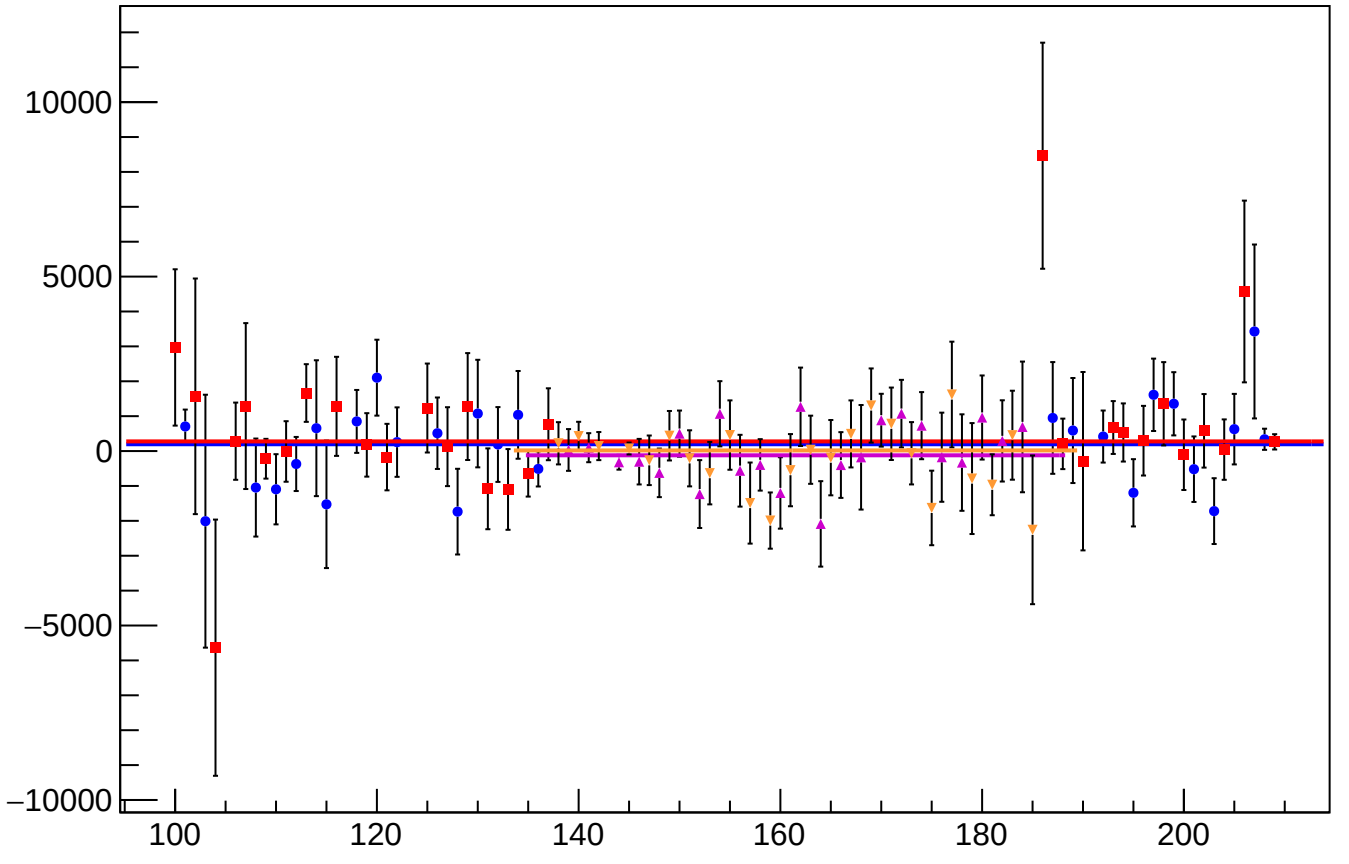
Right Out: 1825.547+/-0.318 χ^2/NDF: 416996.4/29

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1765.631+/-0.214 χ^2/NDF: 763065.8/50

All: 1770.592+/-0.151 χ^2/NDF: 1228306.9/10

- sign 1775.494+/-0.213 χ^2/NDF: 464172.7/52



Right In: 195.371+/-160.583 χ^2/NDF: 27.1/26

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

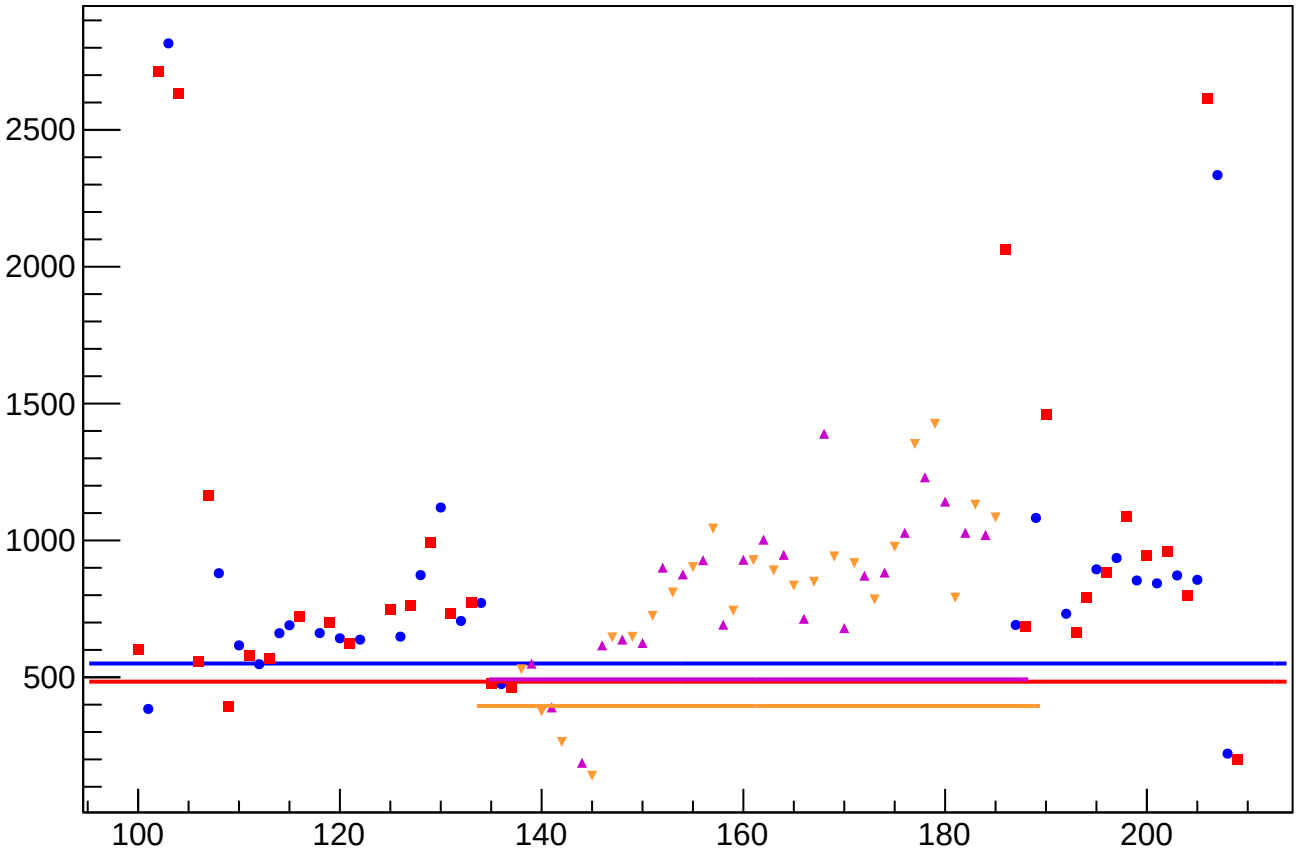
Right Out: 276.964+/-144.725 χ^2/NDF: 25.3/29

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

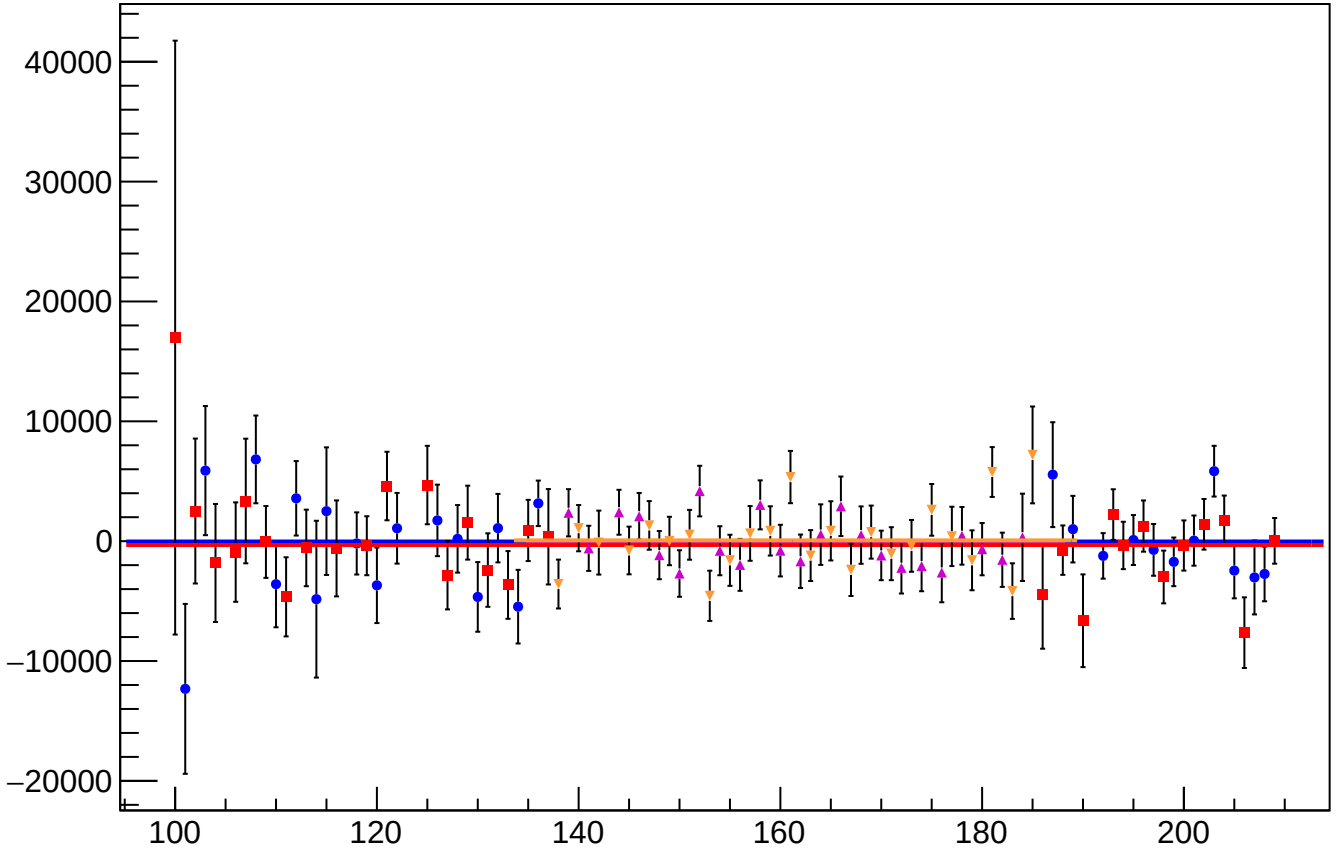
\+ sign 81.119+/-95.782 χ^2/NDF: 47.3/50

All: 74.295+/-69.022 χ^2/NDF: 93.1/103

\- sign 66.923+/-99.550 χ^2/NDF: 45.8/52


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 550.337+/-0.114 χ²/NDF: 6932192.1/26
Left Out: 395.188+/-0.084 χ²/NDF:14334464.6/23
Right Out: 484.003+/-0.102 χ²/NDF: 10603002.5/29
Left In: 492.295+/-0.097 χ²/NDF:10419523.2/22
+ sign 450.385+/-0.068 χ²/NDF: 22469399.1/50
All: 468.646+/-0.049 χ²/NDF: 43646603.8/10
- sign 488.372+/-0.070 χ²/NDF: 21025984.9/52

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -27.538+/-521.504 χ^2/NDF: 35.4/26

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -317.604+/-505.130 χ^2/NDF: 26.5/29

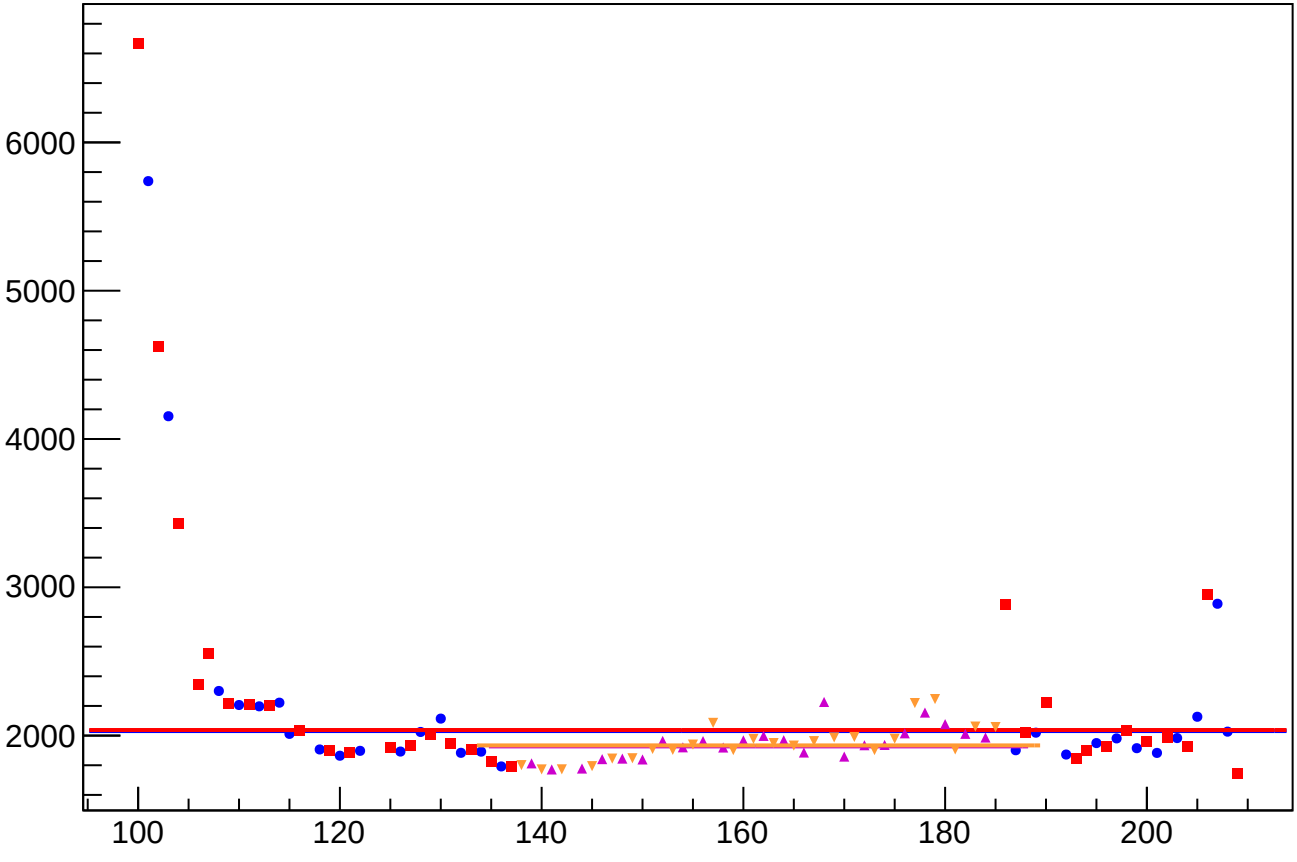
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 26.483+/-340.588 χ^2/NDF: 69.0/50

All: -65.419+/-239.308 χ^2/NDF: 115.8/103

- sign -155.031+/-336.319 χ^2/NDF: 46.6/52

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2030.577+/-0.369 χ^2/NDF: 1138025.7/26

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

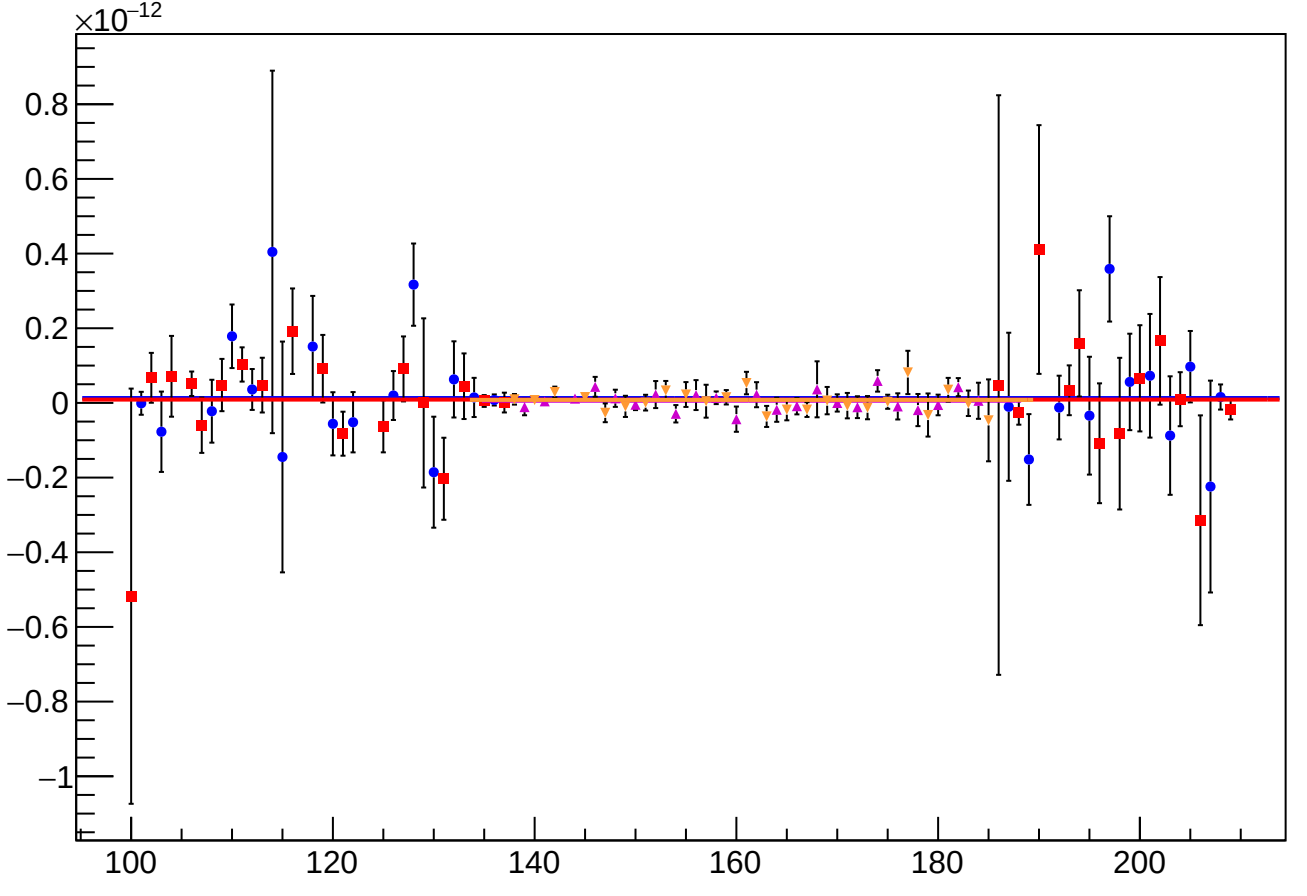
Right Out: 2037.626+/-0.357 χ^2/NDF: 1045708.2/29

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1975.080+/-0.241 χ^2/NDF: 1306052.1/50

All: 1975.602+/-0.169 χ^2/NDF: 2521487.7/10

- sign 1976.110+/-0.238 χ^2/NDF: 1215426.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

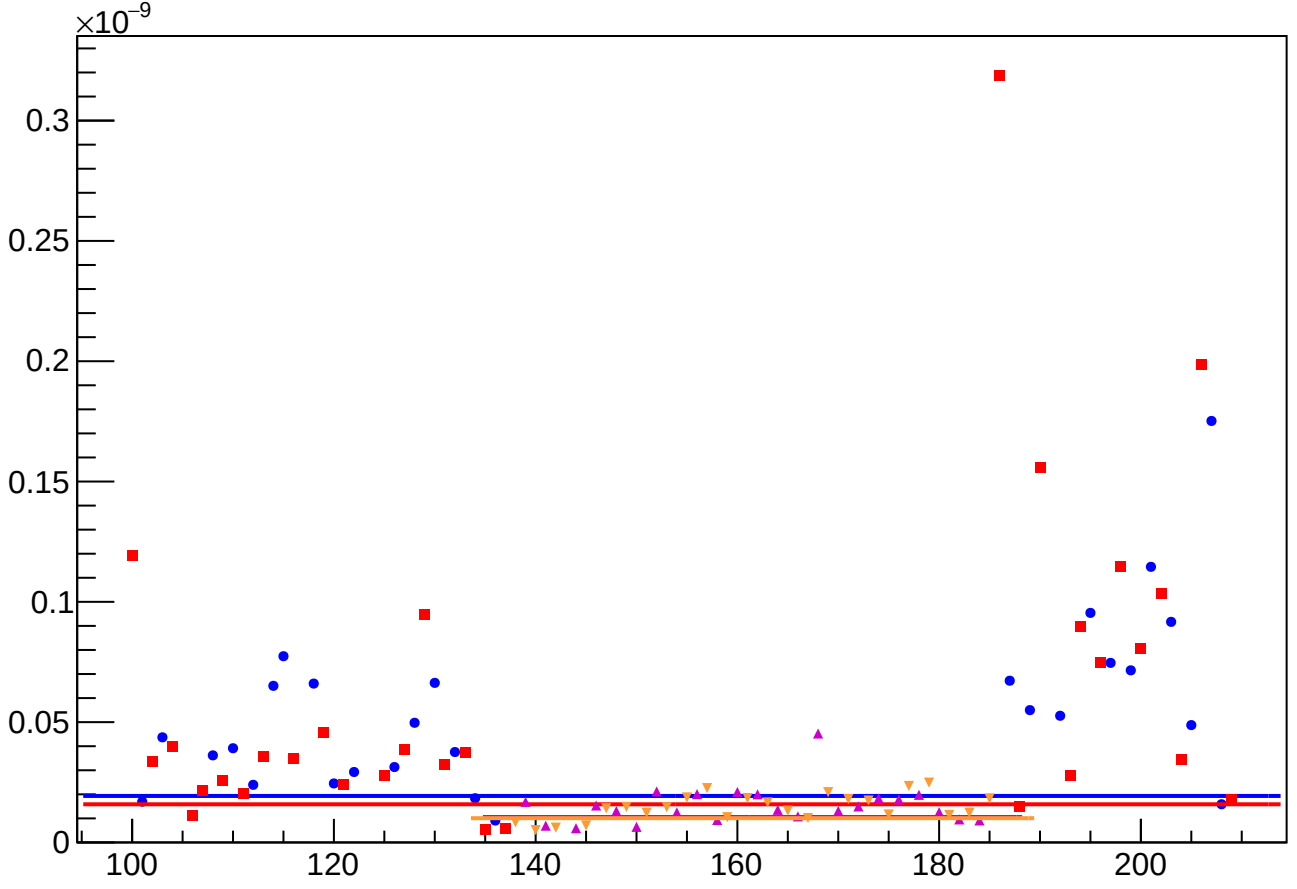
Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/50

All: 0.000+/-0.000 χ^2/NDF: 91.8/103

- sign 0.000+/-0.000 χ^2/NDF: 45.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5695314.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

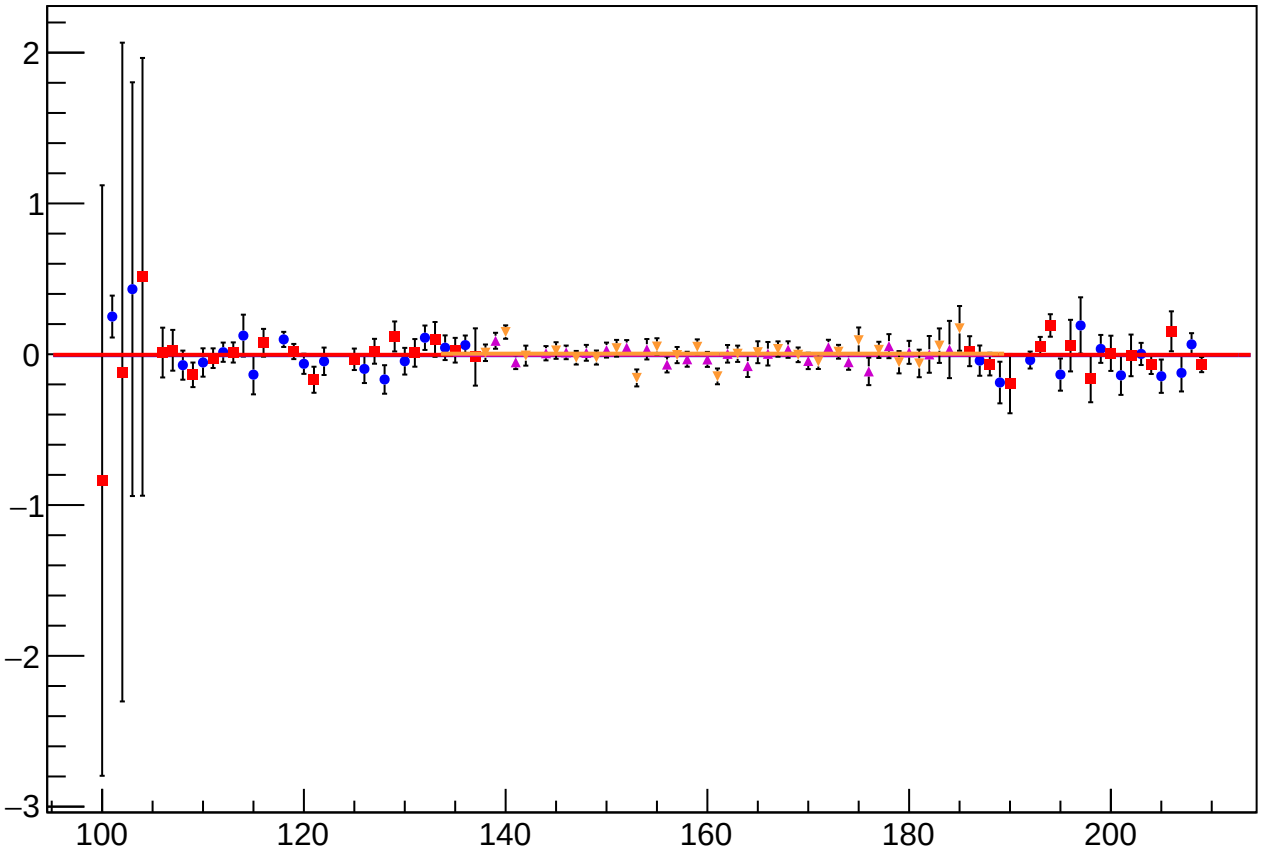
Right Out: 0.000+/-0.000 χ^2/NDF: 6585029.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9272563.3/50

All: 0.000+/-0.000 χ^2/NDF: 18966847.5/103

- sign 0.000+/-0.000 χ^2/NDF: 9692284.3/52



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.016 χ^2/NDF: 25.1/29

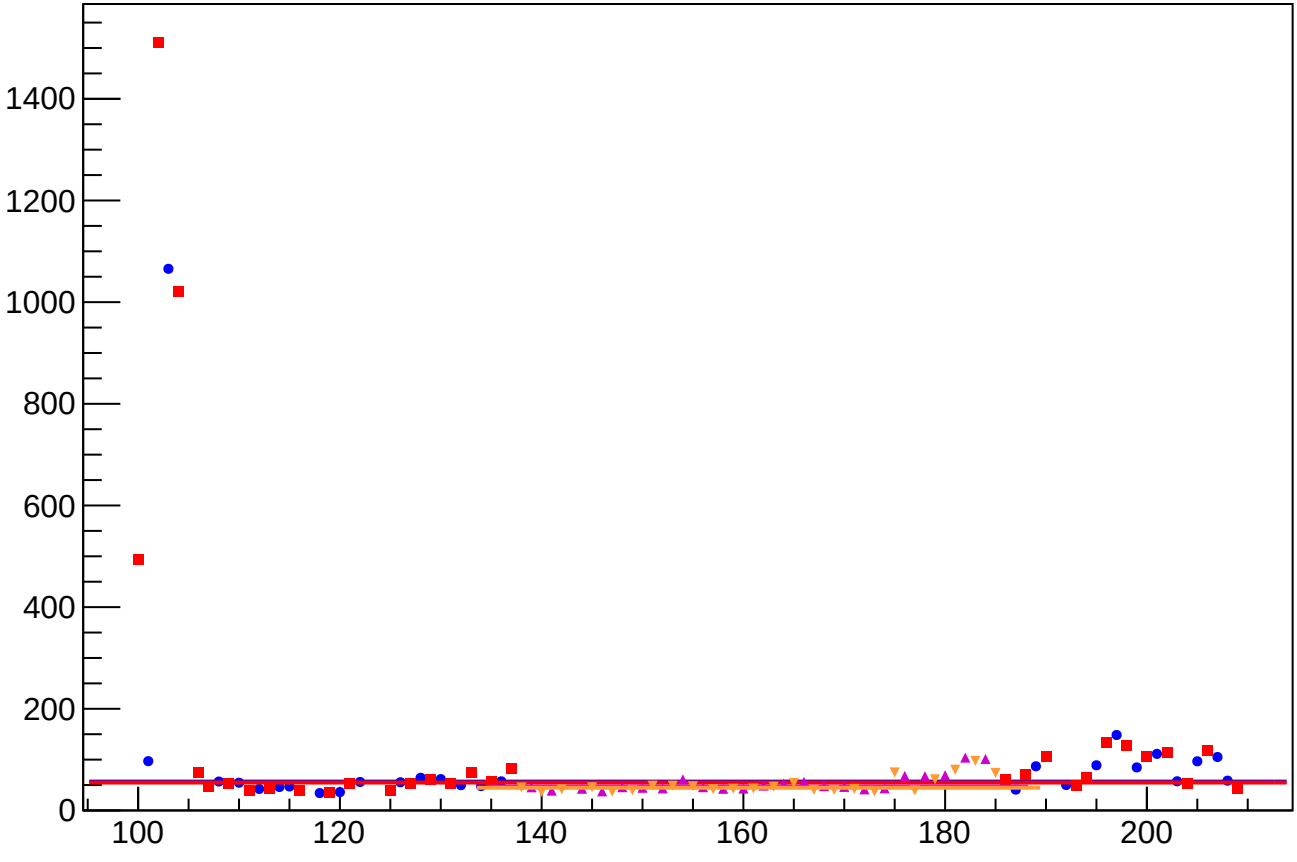
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: -0.001+/-0.007 χ^2/NDF: 103.4/103

- sign -0.003+/-0.010 χ^2/NDF: 39.5/52

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.961+/-0.011 χ^2/NDF: 5078472.0/29

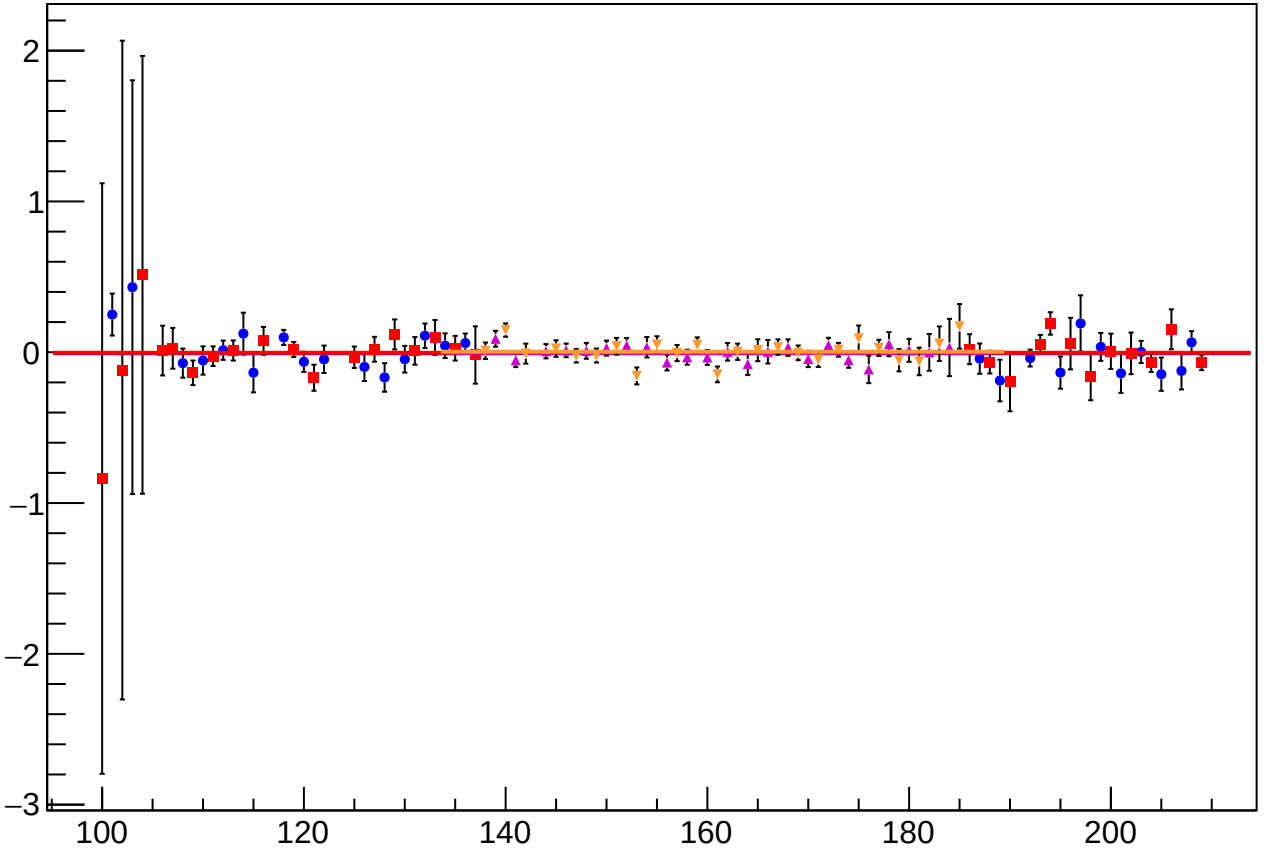
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150440.5/50

All: 49.192+/-0.005 χ^2/NDF: 12940679.3/103

- sign 49.831+/-0.007 χ^2/NDF: 6772727.8/52

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

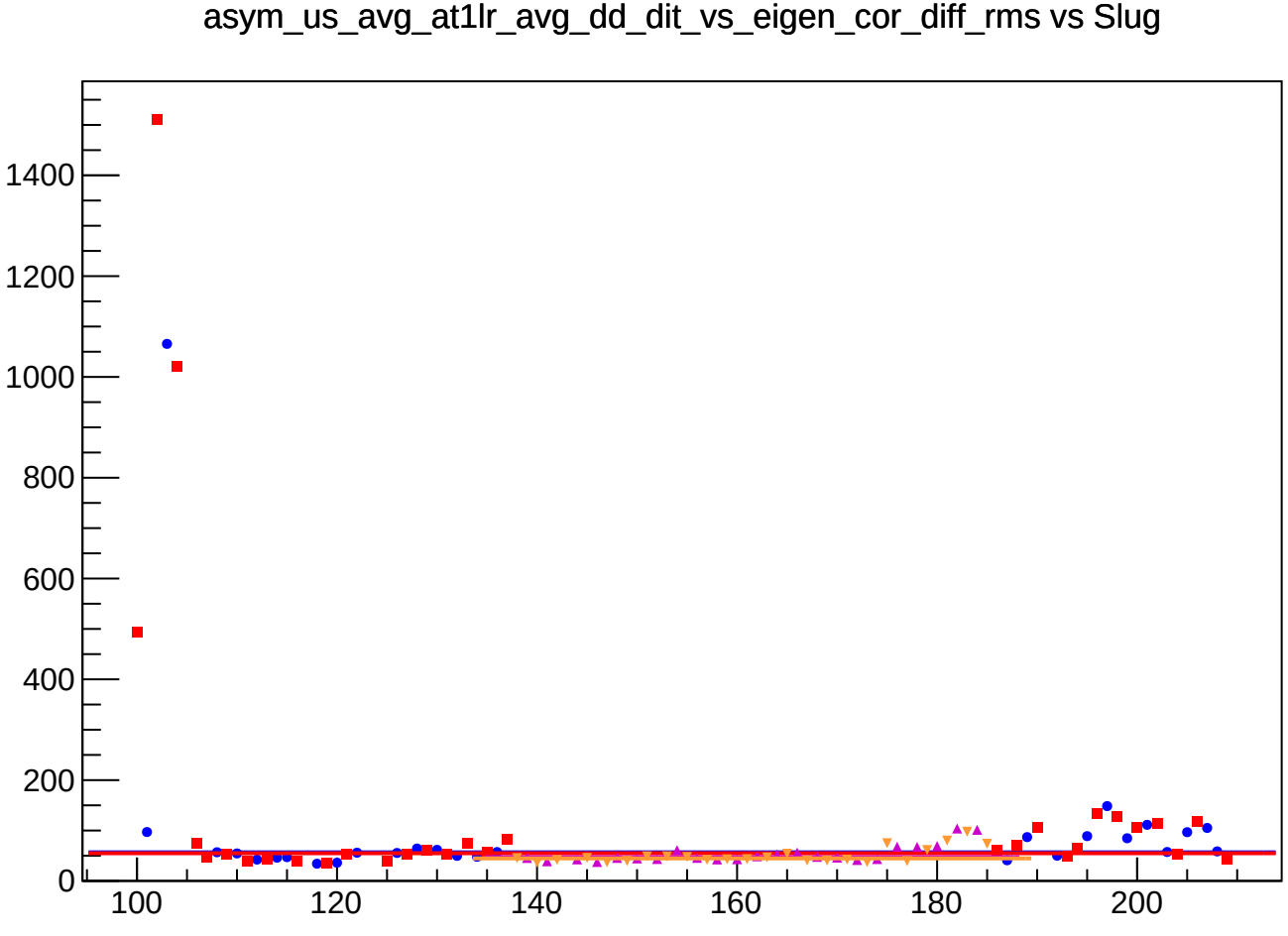
Right Out: -0.004+/-0.016 χ^2/NDF: 25.1/29

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: -0.001+/-0.007 χ^2/NDF: 103.4/103

- sign -0.003+/-0.010 χ^2/NDF: 39.5/52



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

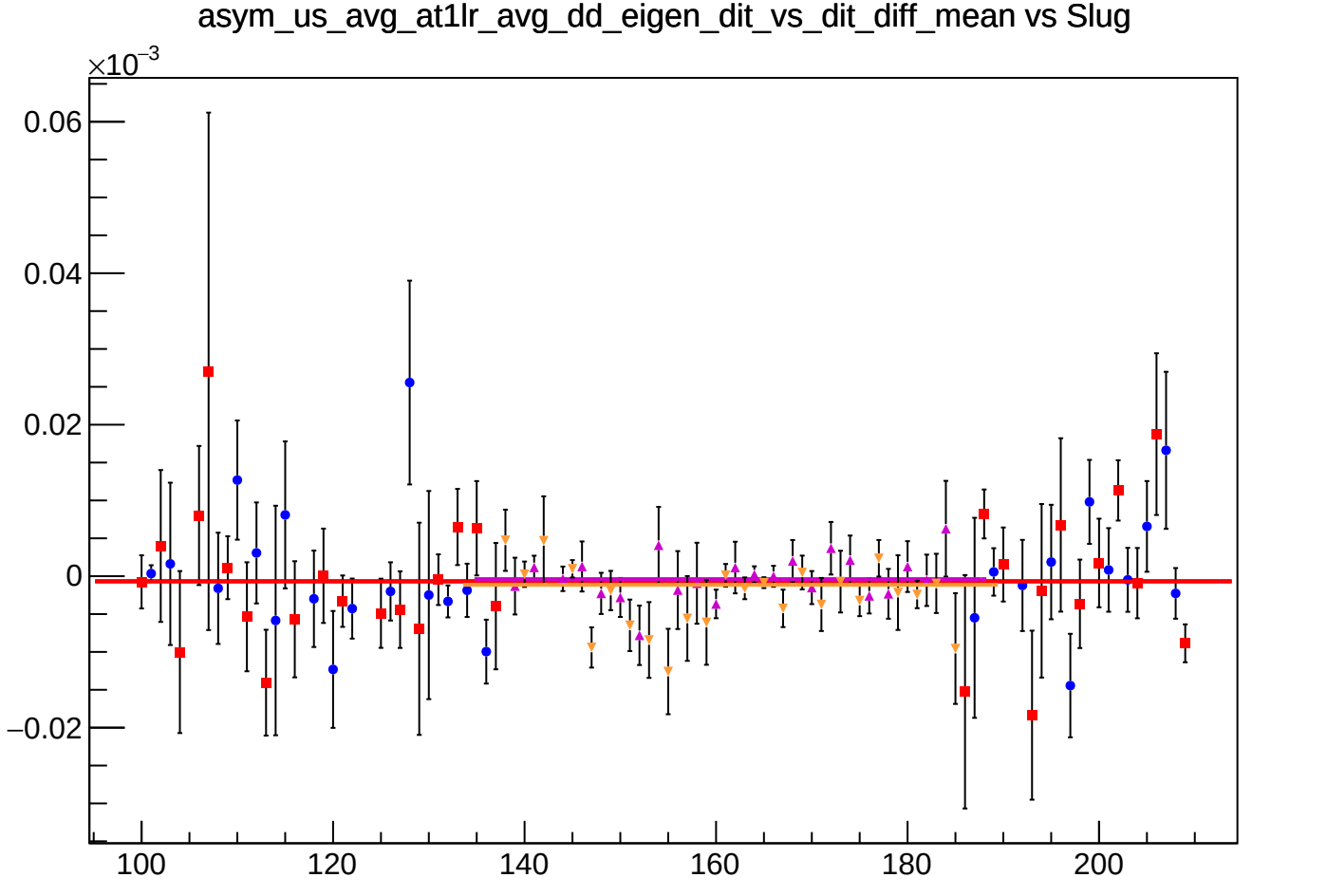
Right Out: 54.961+/-0.011 χ^2/NDF: 5078472.0/29

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150440.5/50

All: 49.192+/-0.005 χ^2/NDF: 12940679.3/103

- sign 49.831+/-0.007 χ^2/NDF: 6772727.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

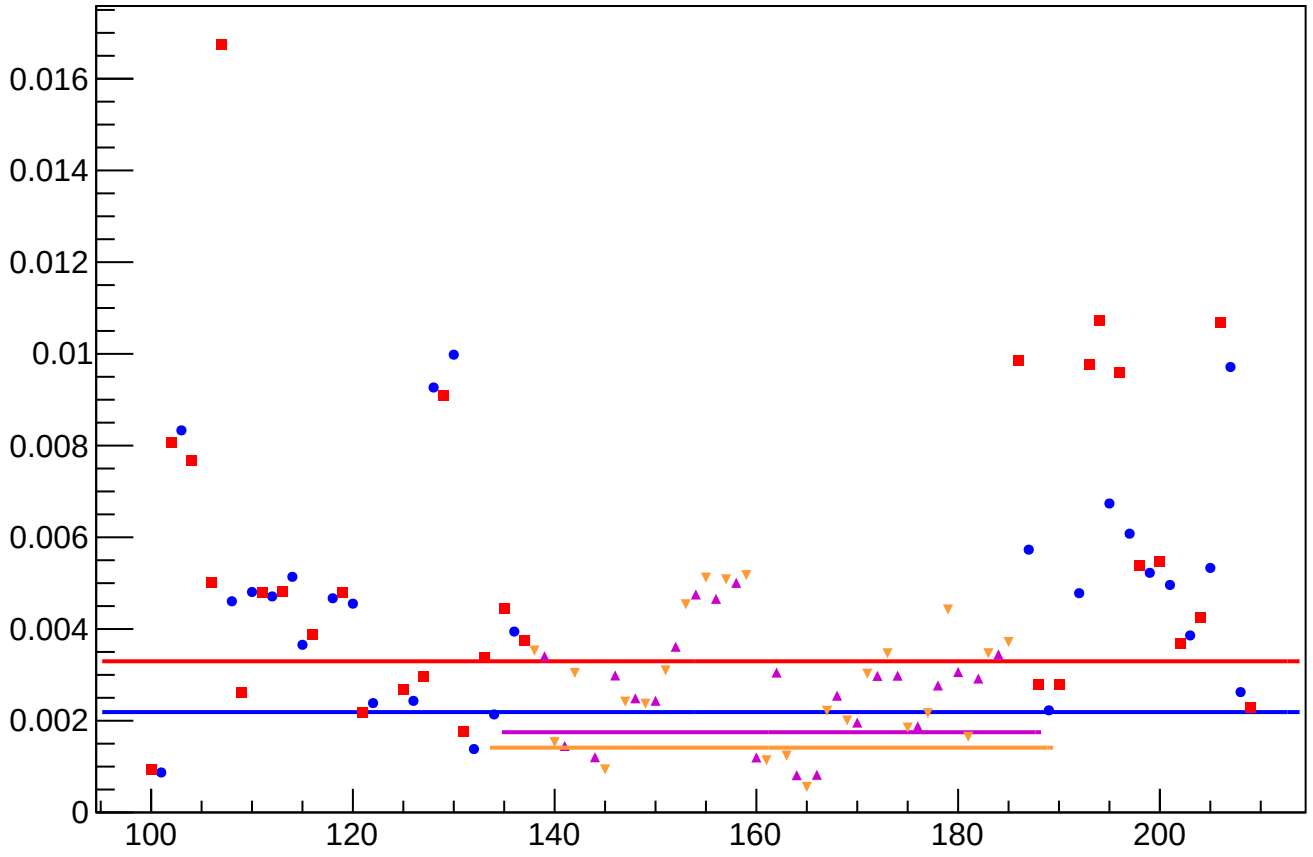
Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/29

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.4/50

All: -0.000+/-0.000 χ^2/NDF: 133.0/103

- sign -0.000+/-0.000 χ^2/NDF: 64.5/52



Right In: 0.002+/-0.000 χ^2/NDF: 11658407.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7993247.0/29

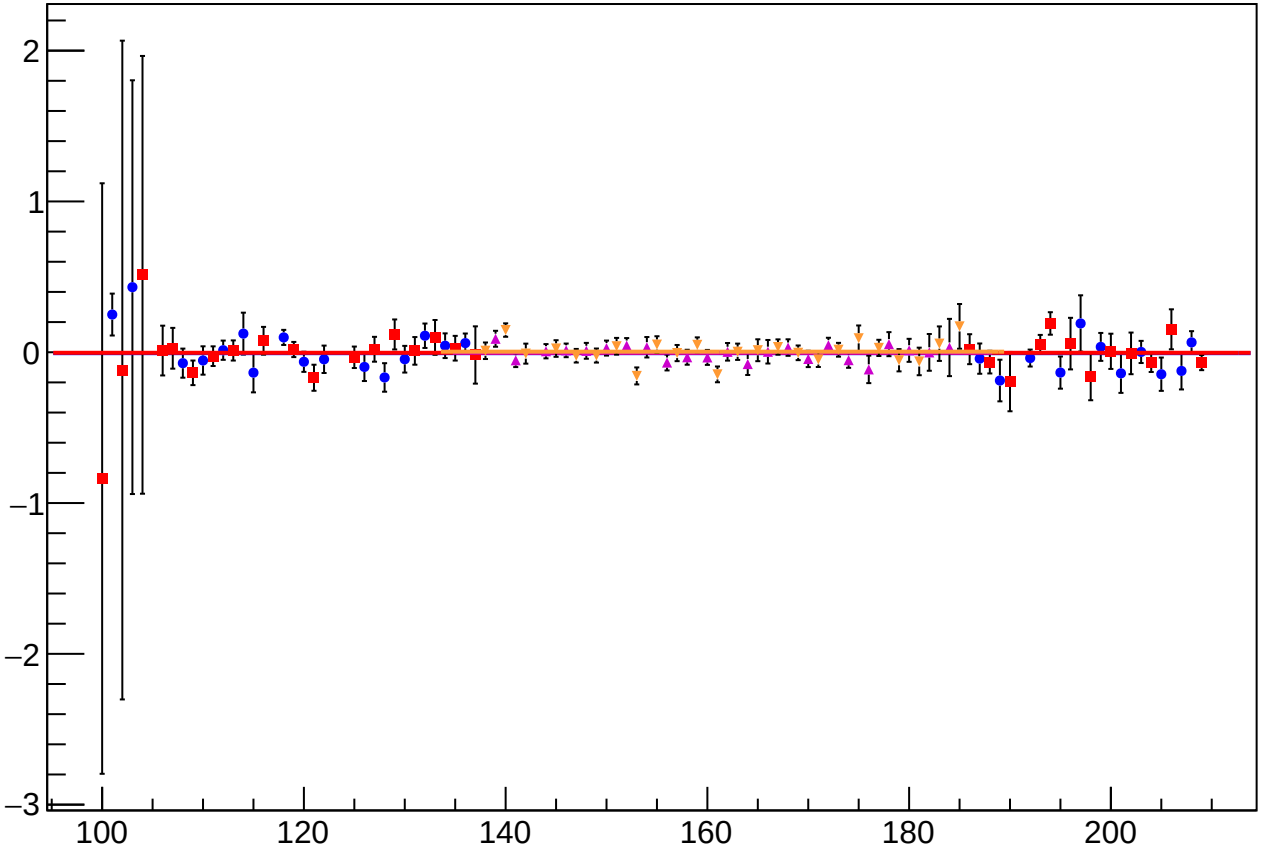
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 24961823.2/50

All: 0.002+/-0.000 χ^2/NDF: 46788277.7/103

- sign 0.002+/-0.000 χ^2/NDF: 20403250.1/52

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.004+/-0.016 χ^2/NDF: 25.1/29

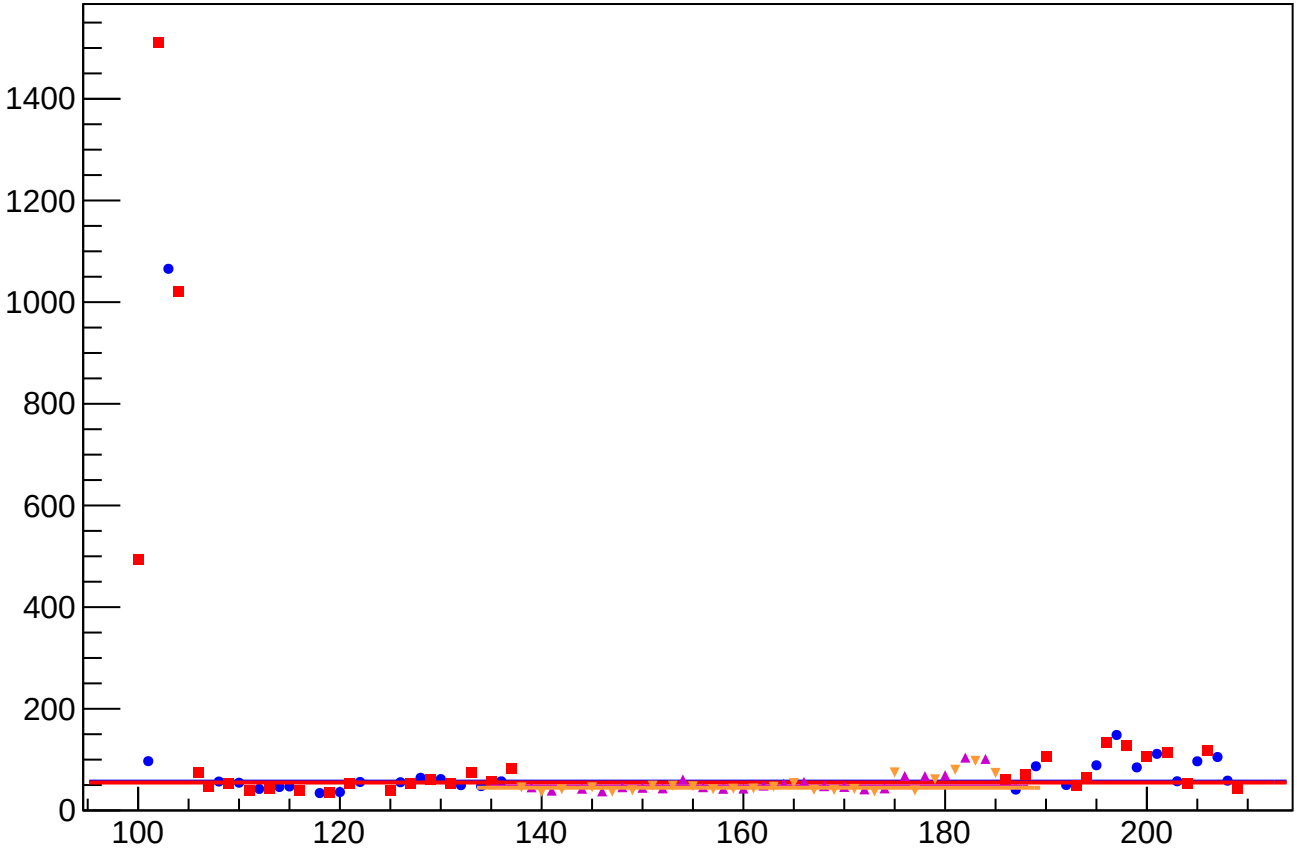
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: -0.001+/-0.007 χ^2/NDF: 103.4/103

- sign -0.003+/-0.010 χ^2/NDF: 39.5/52

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 54.960+/-0.011 χ^2/NDF: 5078652.5/29

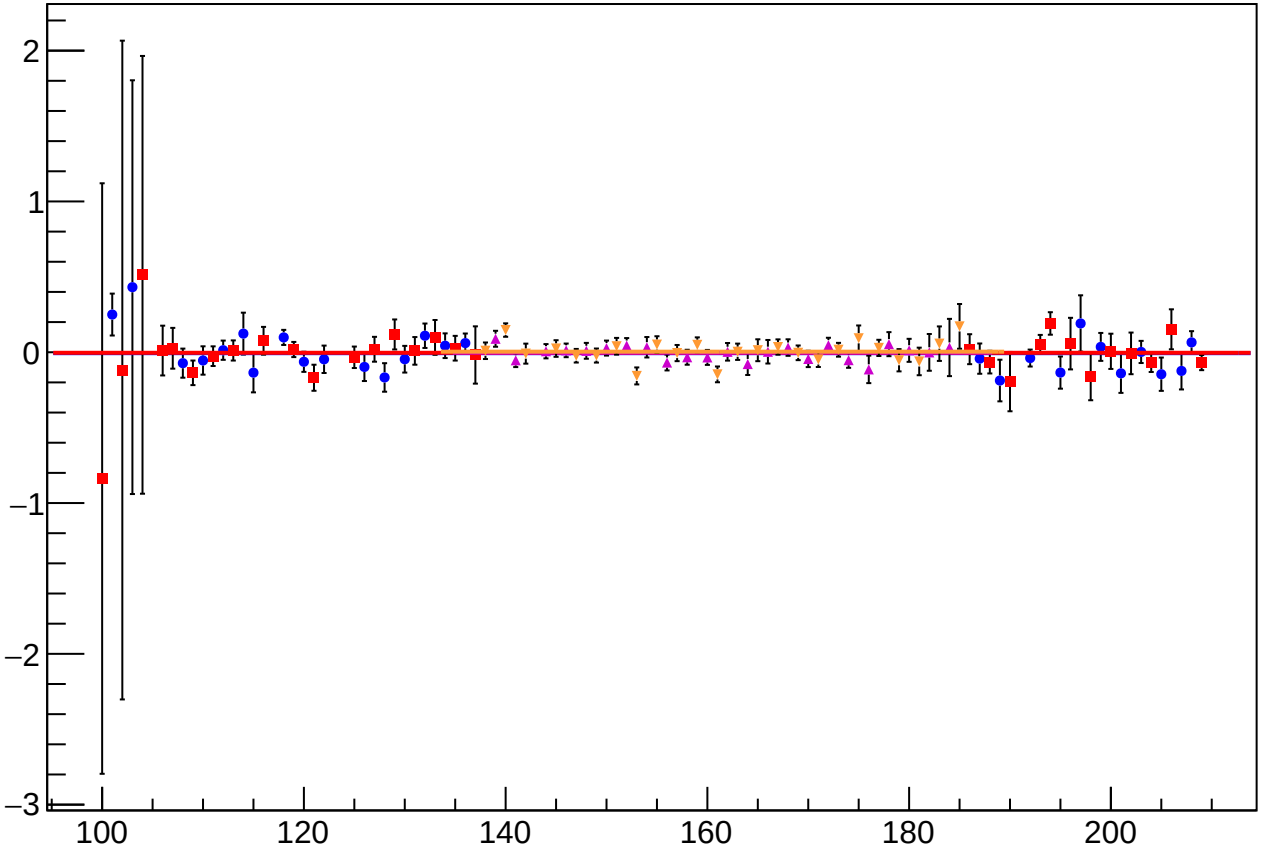
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150425.8/50

All: 49.192+/-0.005 χ^2/NDF: 12940853.1/103

- sign 49.831+/-0.007 χ^2/NDF: 6772928.9/52

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

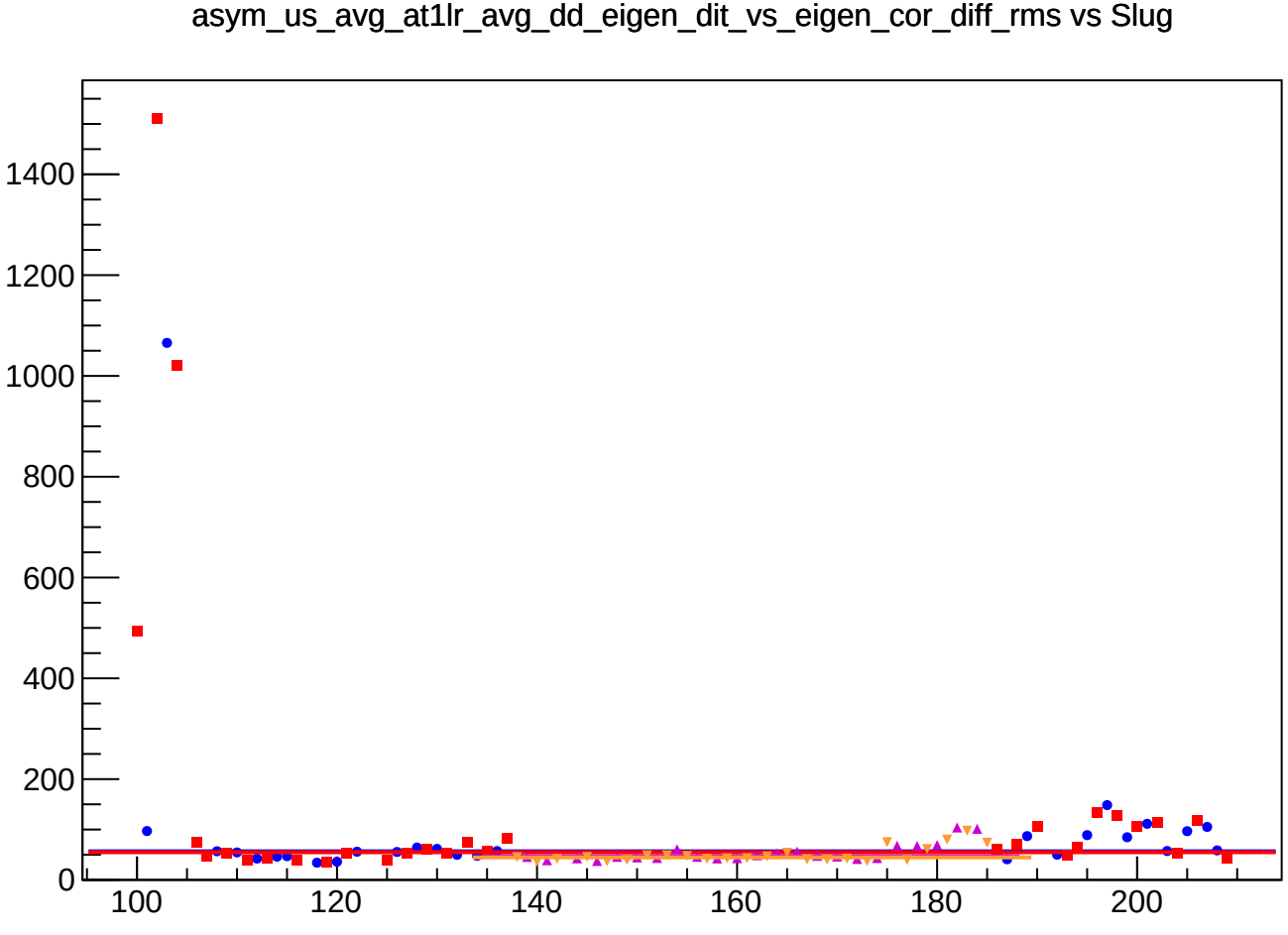
Right Out: -0.004+/-0.016 χ^2/NDF: 25.1/29

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 63.8/50

All: -0.001+/-0.007 χ^2/NDF: 103.4/103

- sign -0.003+/-0.010 χ^2/NDF: 39.5/52



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

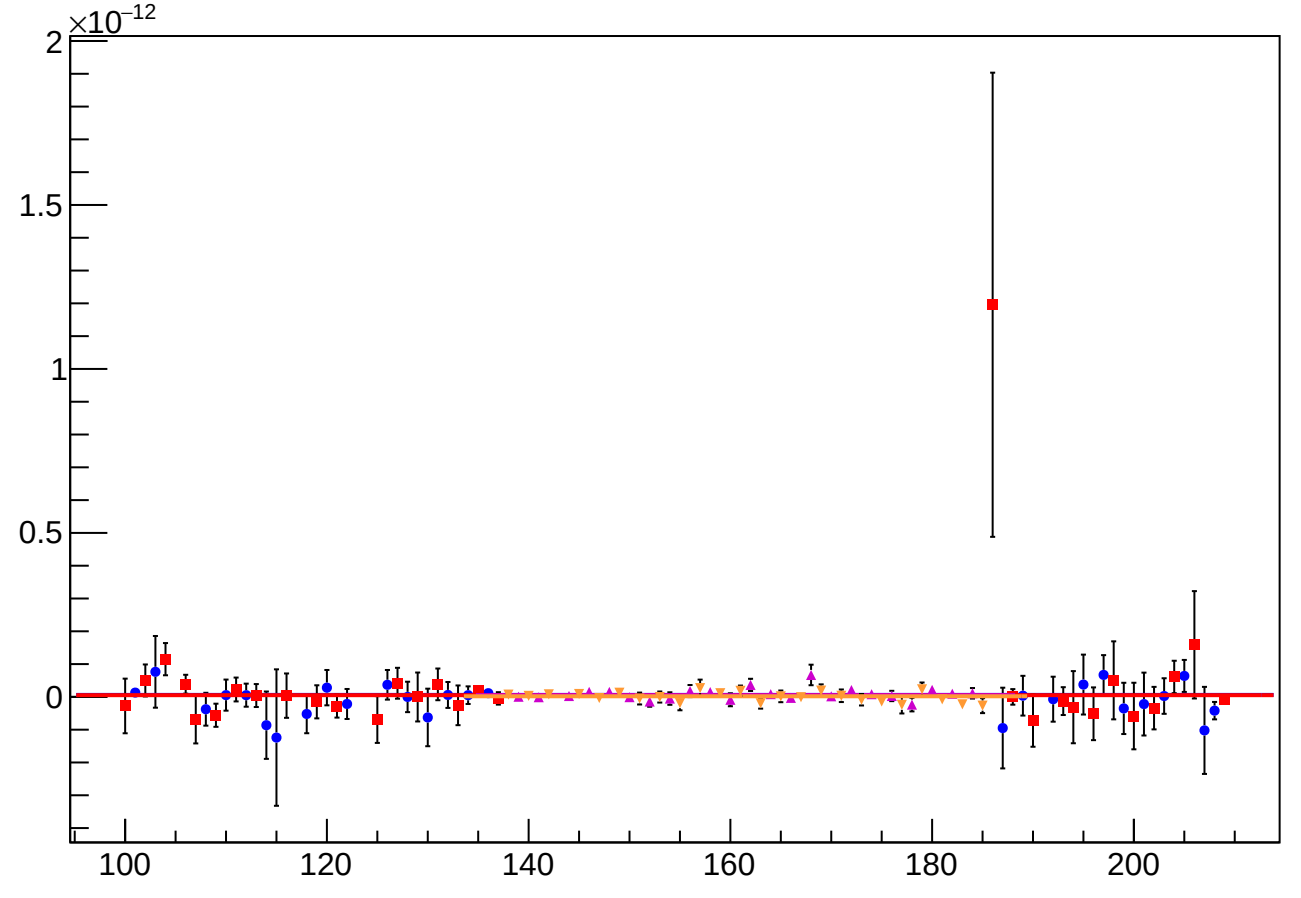
Right Out: 54.960+/-0.011 χ^2/NDF: 5078652.5/29

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.568+/-0.007 χ^2/NDF: 6150425.8/50

All: 49.192+/-0.005 χ^2/NDF: 12940853.1/103

- sign 49.831+/-0.007 χ^2/NDF: 6772928.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

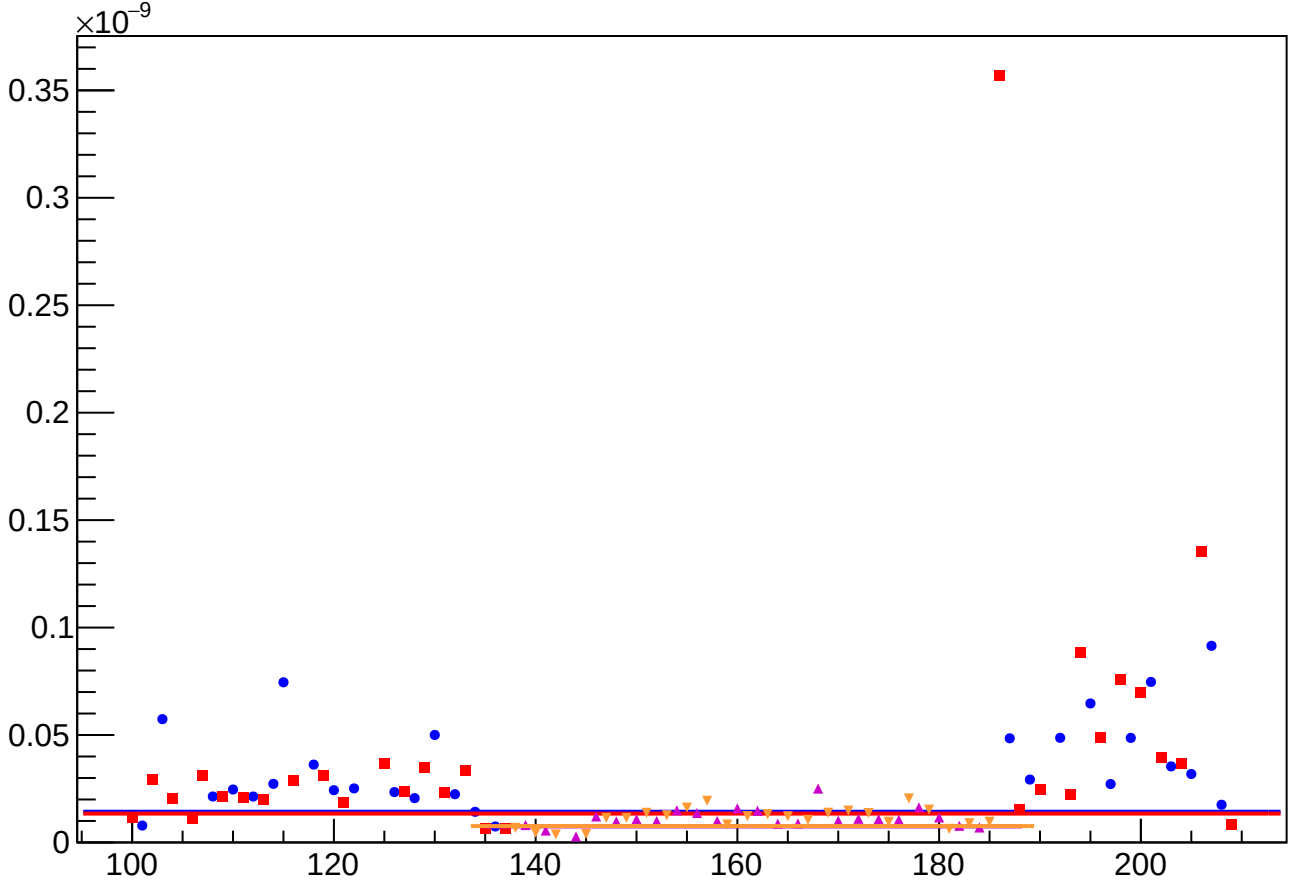
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/29

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.1/50

All: 0.000+/-0.000 χ^2/NDF: 78.3/103

- sign 0.000+/-0.000 χ^2/NDF: 43.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 7143200.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8285814.1/29

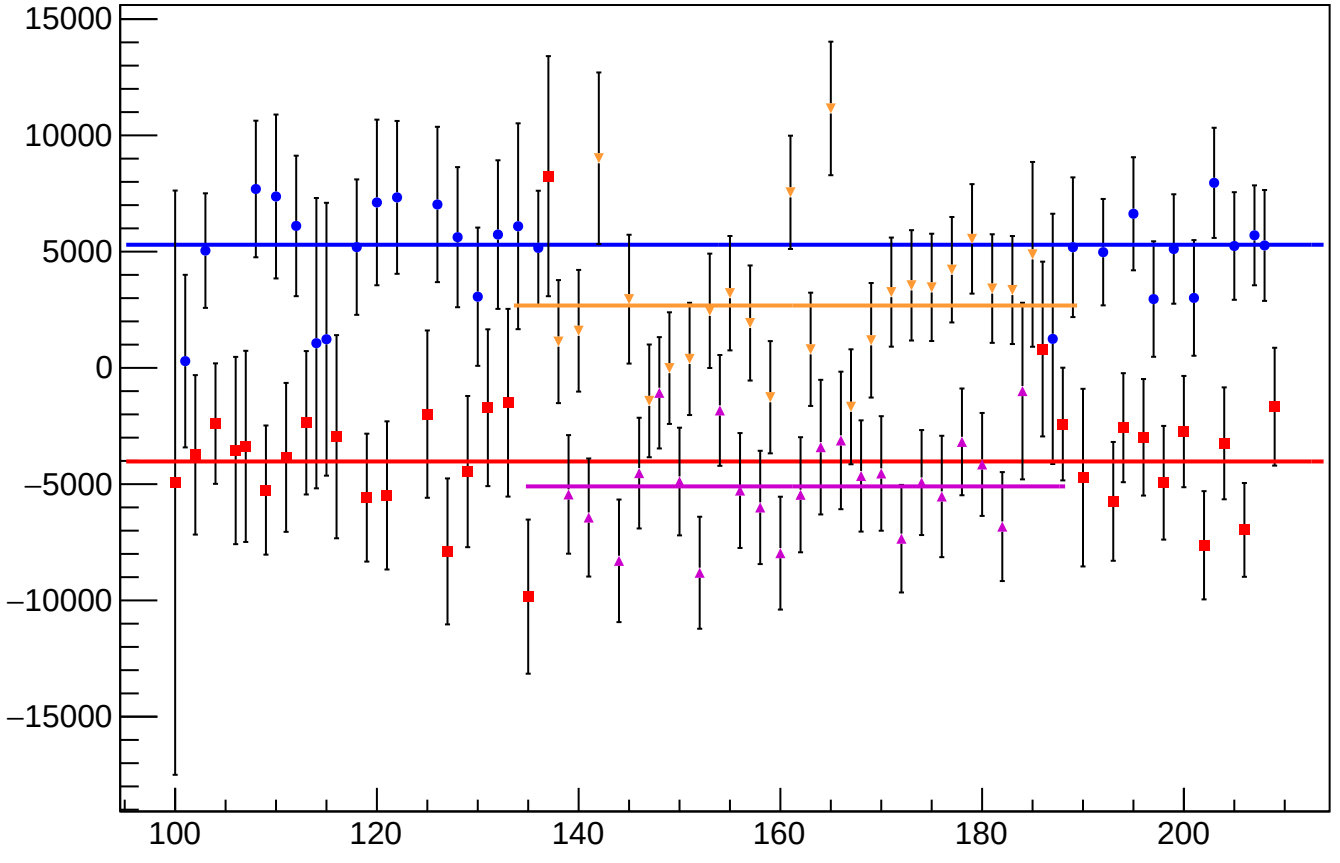
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14721367.3/50

All: 0.000+/-0.000 χ^2/NDF: 30821185.6/103

- sign 0.000+/-0.000 χ^2/NDF: 16095015.1/52

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5295.997+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -4024.469+/-539.749 χ^2/NDF: 22.0/29

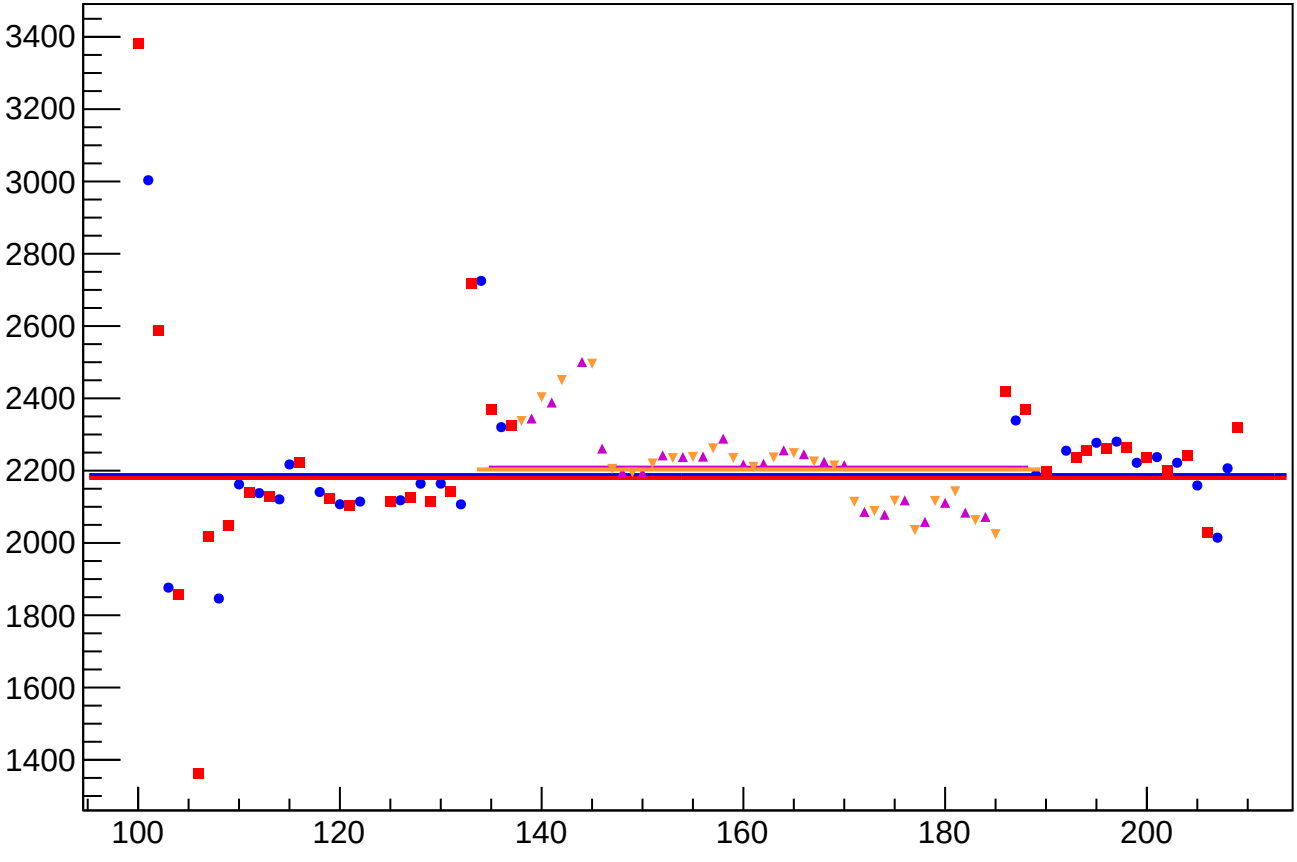
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.417+/-375.388 χ^2/NDF: 52.2/50

All: -372.712+/-264.615 χ^2/NDF: 347.7/103

- sign -4584.309+/-373.068 χ^2/NDF: 39.0/52

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.6/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

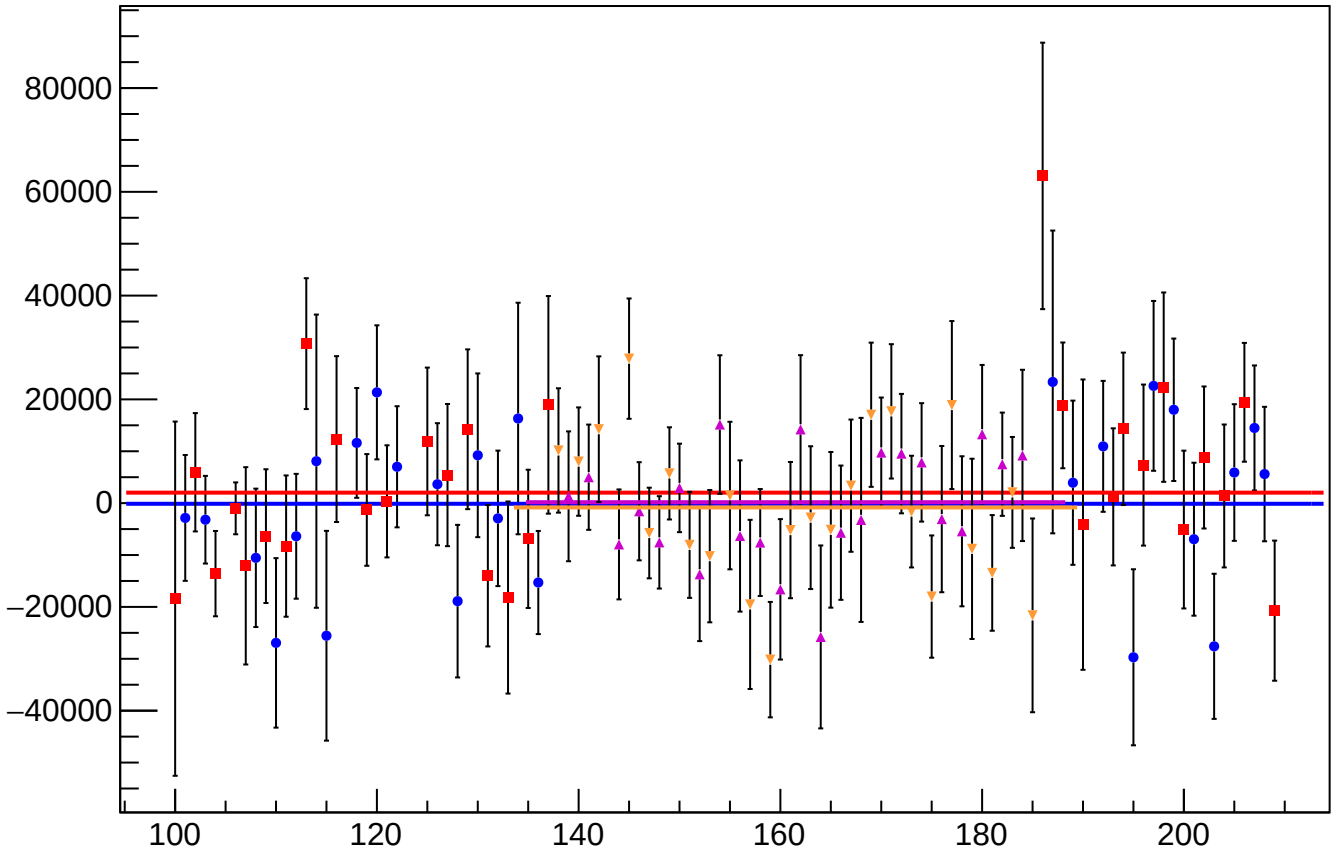
Right Out: 2179.734+/-0.379 χ^2/NDF: 330630.9/29

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF: 309665.3/50

All: 2195.349+/-0.187 χ^2/NDF: 724271.4/103

- sign 2194.591+/-0.263 χ^2/NDF: 414589.3/52



Right In: -123.571+/-2588.769 χ^2/NDF: 28.9/26

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

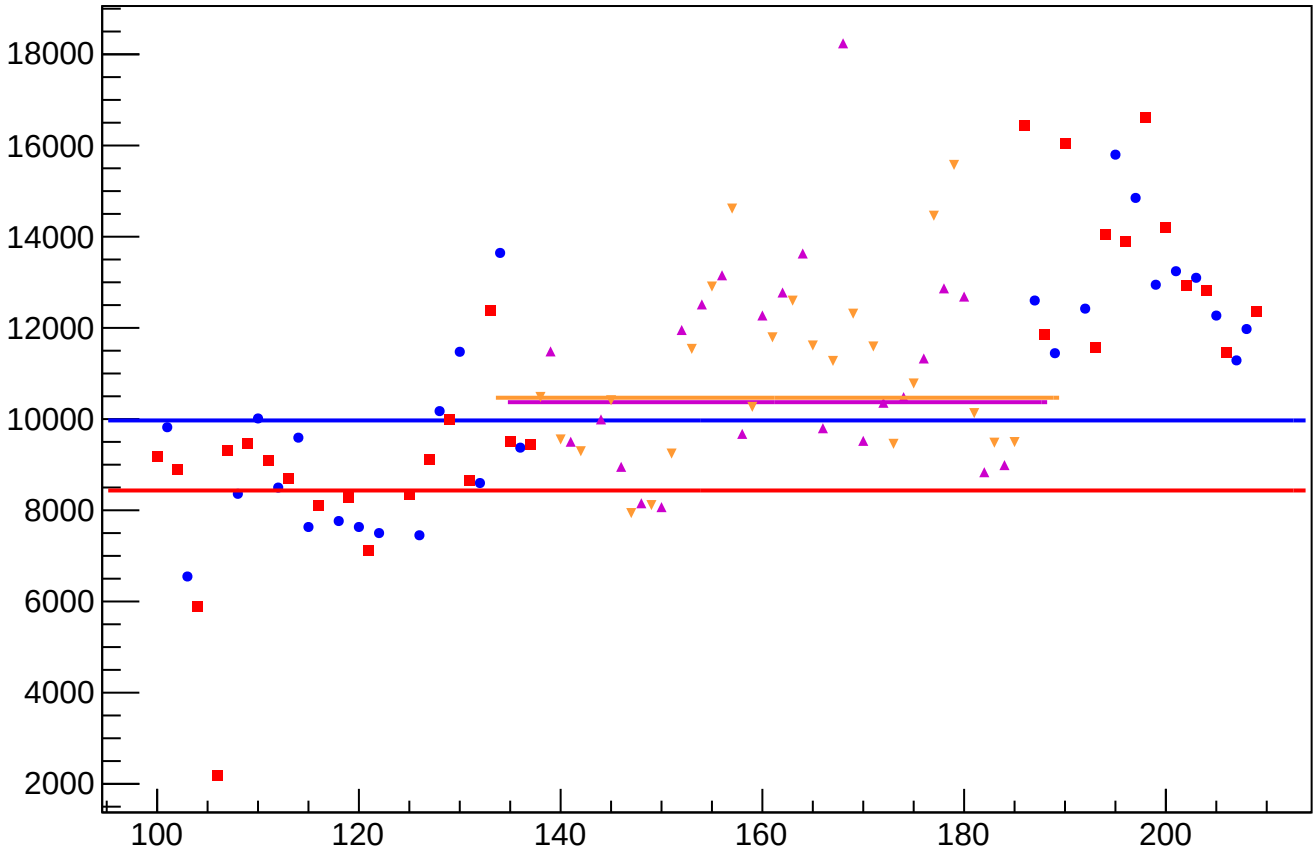
Right Out: 2021.676+/-2289.522 χ^2/NDF: 31.9/29

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -493.545+/-1791.396 χ^2/NDF: 58.4/50

All: 392.943+/-1225.236 χ^2/NDF: 104.8/103

- sign 1172.147+/-1679.503 χ^2/NDF: 45.9/52



Right In: 9970.528+/-1.831 χ^2/NDF: 1798997.1/26

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8434.399+/-1.619 χ^2/NDF: 6082880.4/29

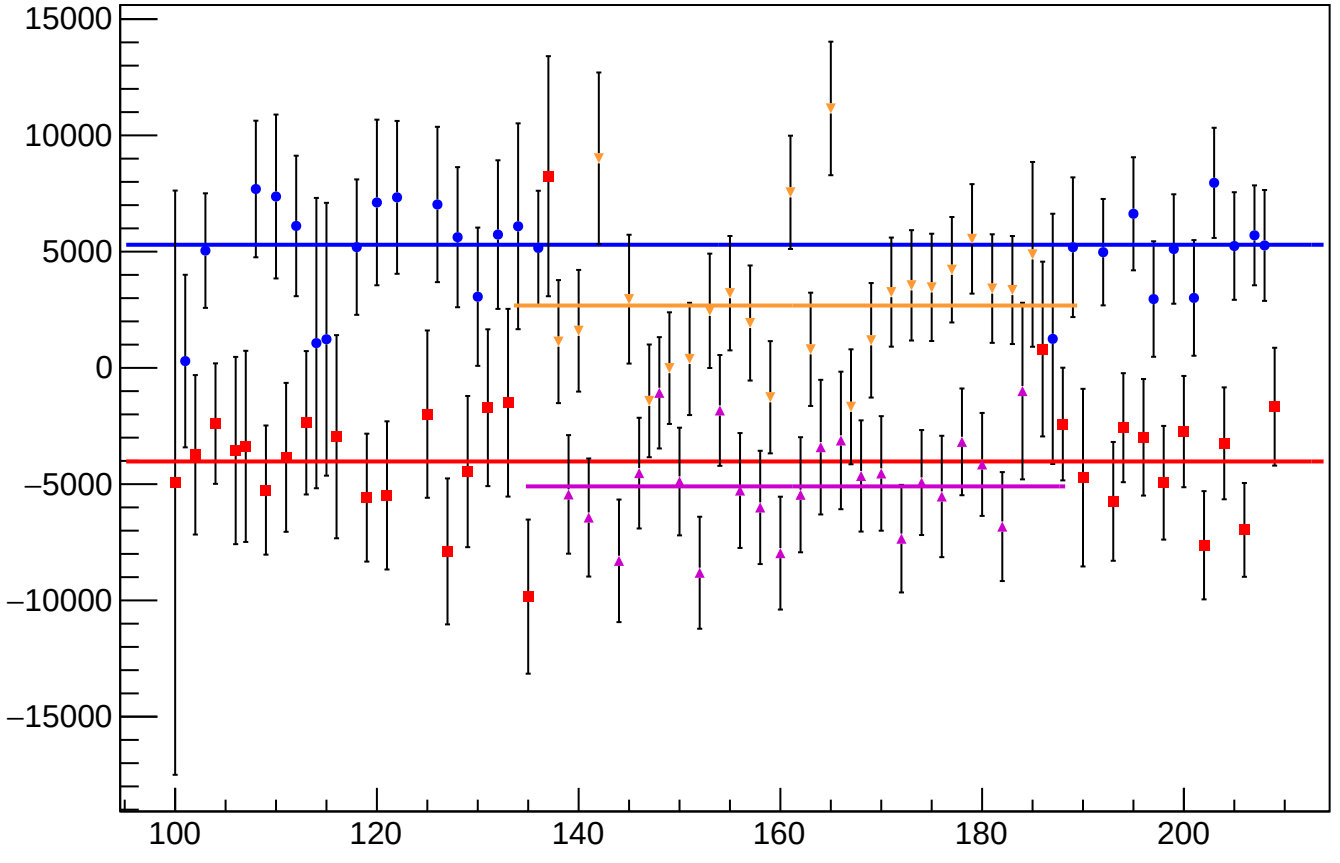
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10230.140+/-1.267 χ^2/NDF: 2882848.9/50

All: 9750.467+/-0.866 χ^2/NDF: 11099788.0/1

- sign 9328.845+/-1.188 χ^2/NDF: 7947501.3/52

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4024.348+/-539.749 χ^2/NDF: 22.0/29

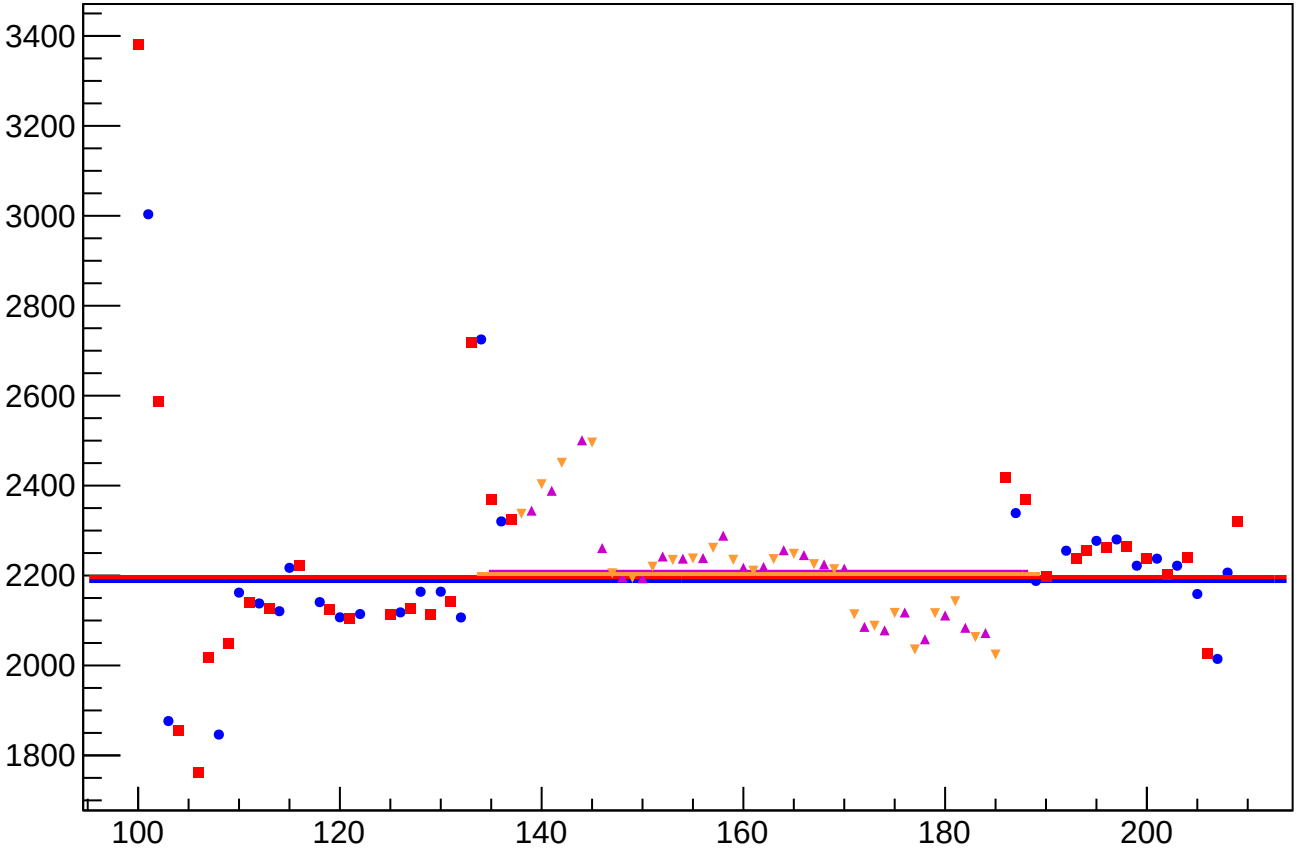
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.405+/-375.388 χ^2/NDF: 52.2/50

All: -372.665+/-264.615 χ^2/NDF: 347.7/103

- sign -4584.203+/-373.068 χ^2/NDF: 39.0/52

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

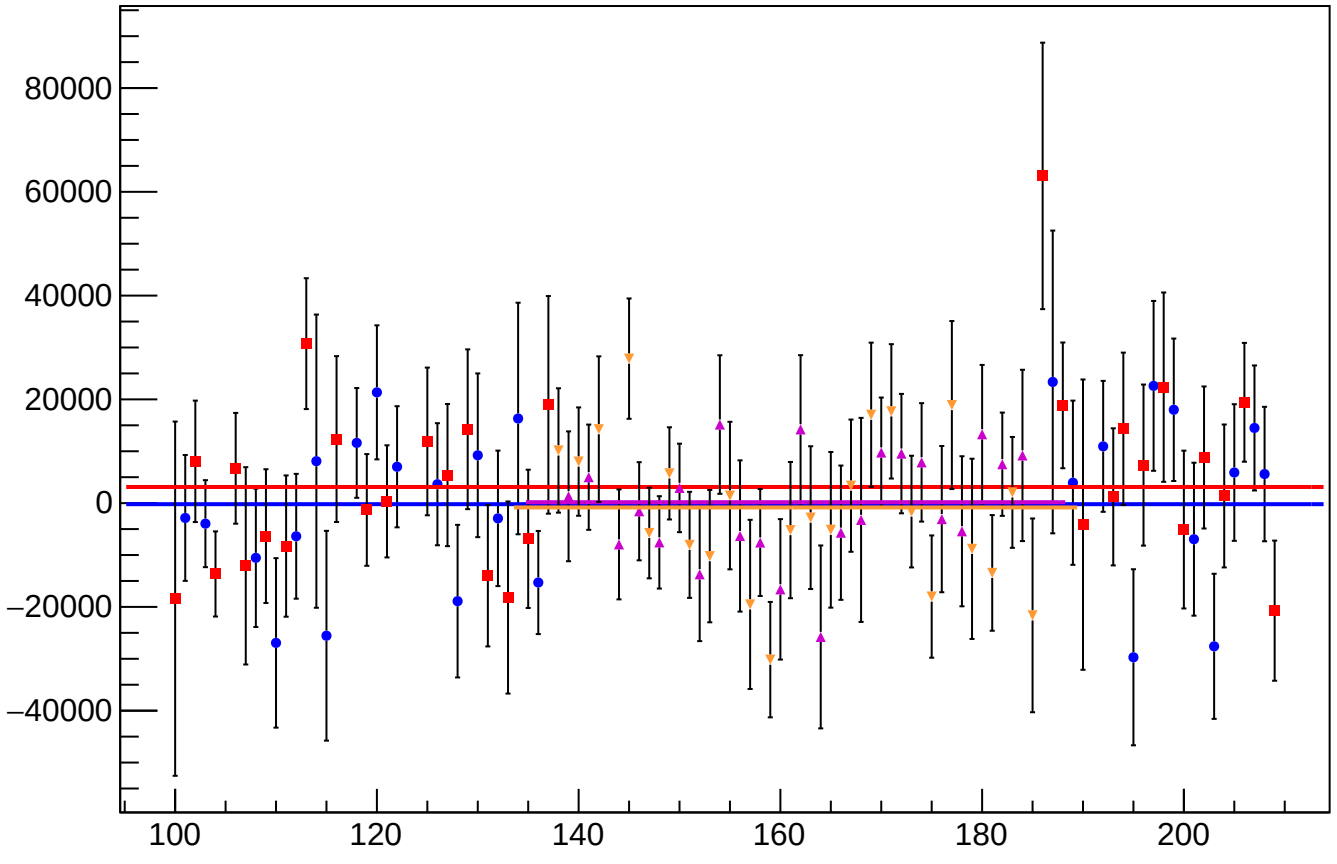
Right Out: 2196.773+/-0.381 χ^2/NDF: 207113.2/29

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF: 309665.7/50

All: 2199.495+/-0.187 χ^2/NDF: 598578.3/103

- sign 2202.822+/-0.264 χ^2/NDF: 288591.6/52



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

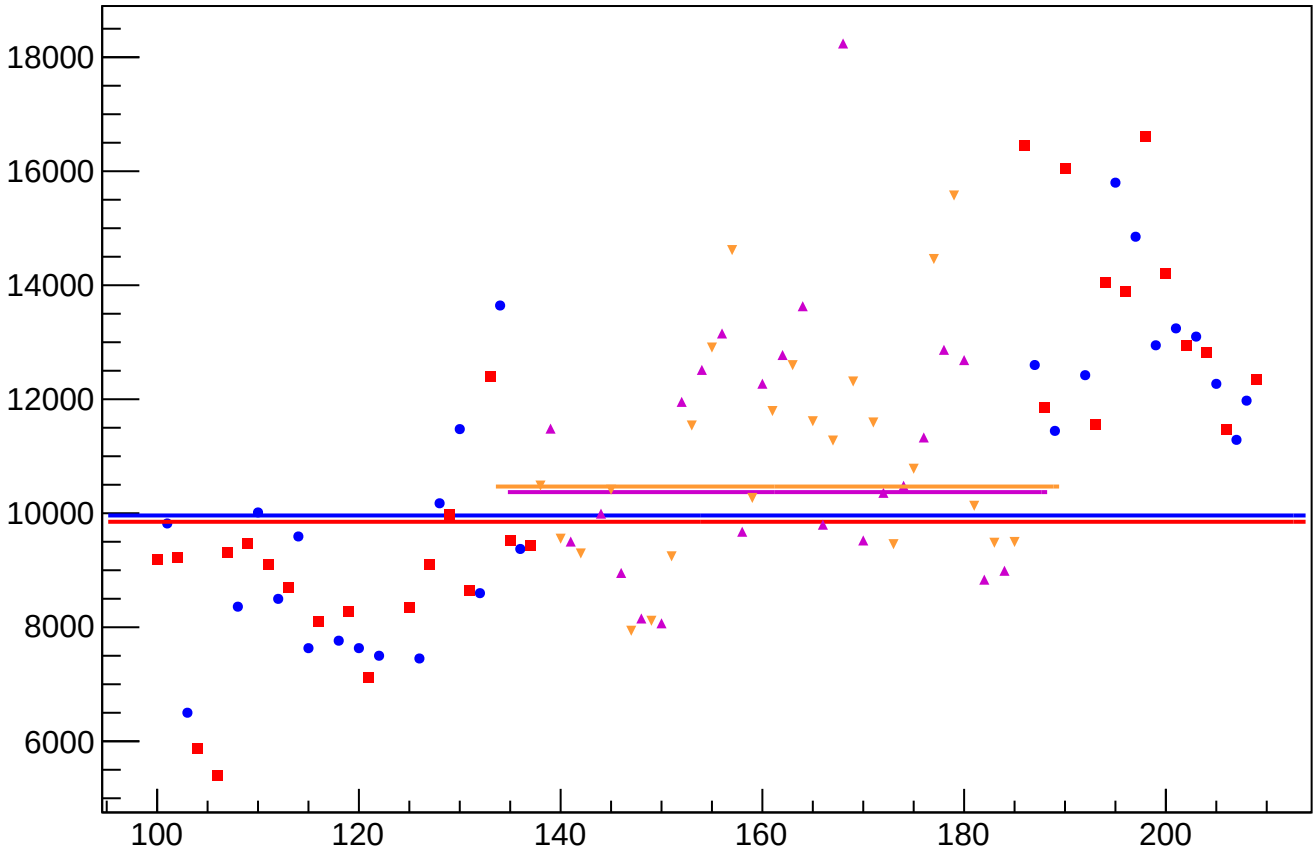
Right Out: 3114.101+/-2506.058 χ^2/NDF: 31.7/29

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -530.237+/-1790.776 χ^2/NDF: 58.5/50

All: 567.682+/-1255.104 χ^2/NDF: 105.4/103

- sign 1627.712+/-1759.605 χ^2/NDF: 46.1/52



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

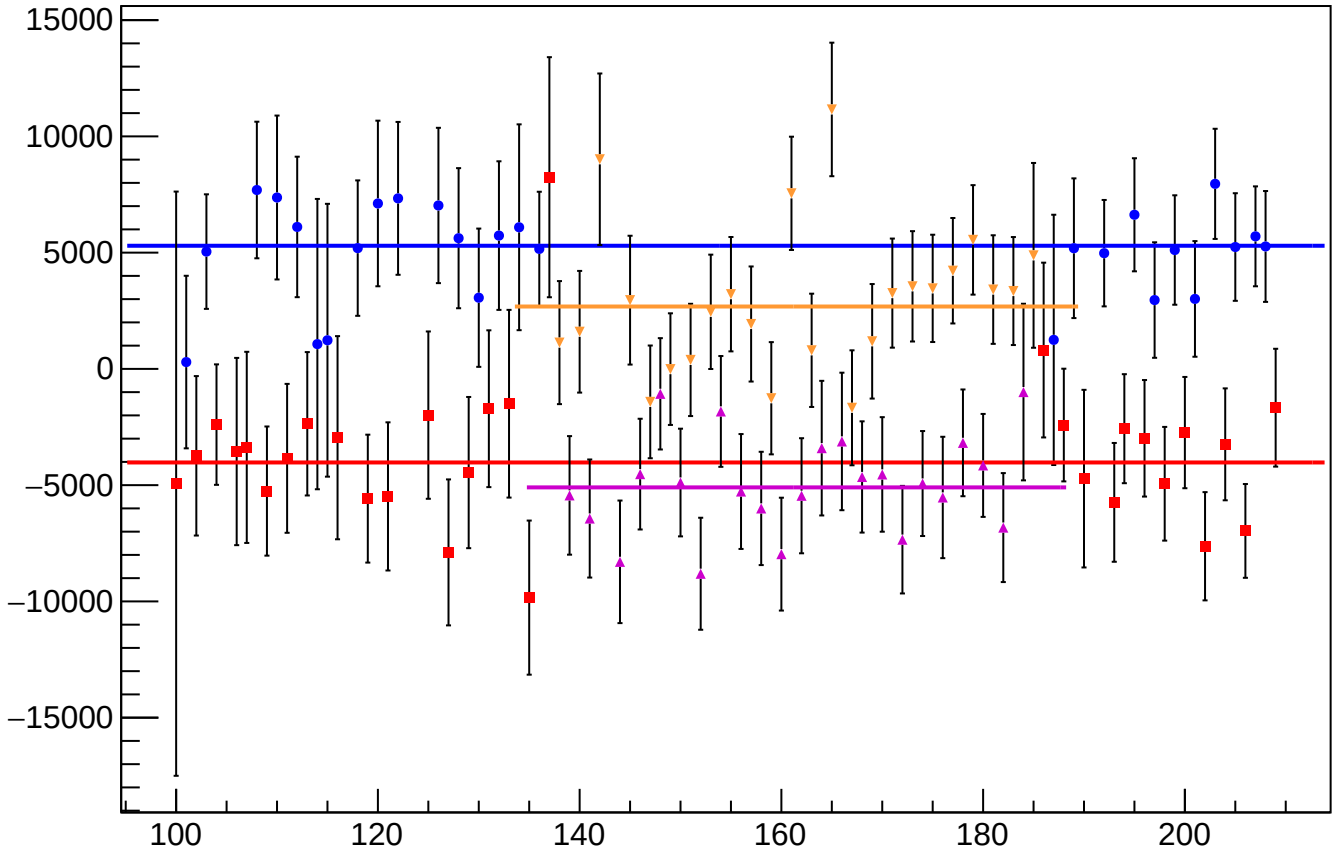
Right Out: 9850.512+/-1.772 χ^2/NDF: 2485831.3/29

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10225.425+/-1.266 χ^2/NDF: 2898649.3/50

All: 10168.908+/-0.887 χ^2/NDF: 6635880.5/

- sign 10114.341+/-1.244 χ^2/NDF: 3733315.7/52



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4024.348+/-539.749 χ^2/NDF: 22.0/29

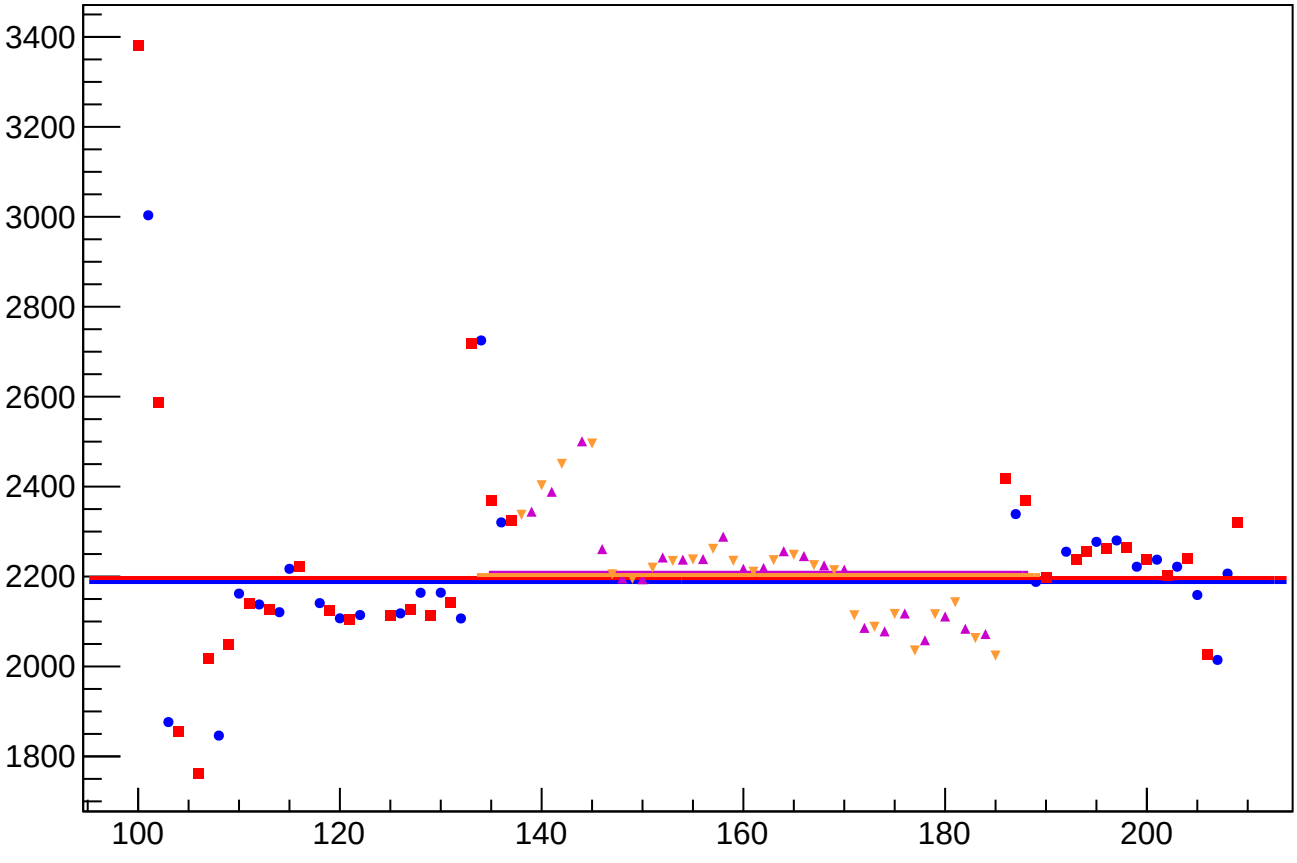
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.405+/-375.388 χ^2/NDF: 52.2/50

All: -372.665+/-264.615 χ^2/NDF: 347.7/103

- sign -4584.203+/-373.068 χ^2/NDF: 39.0/52

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

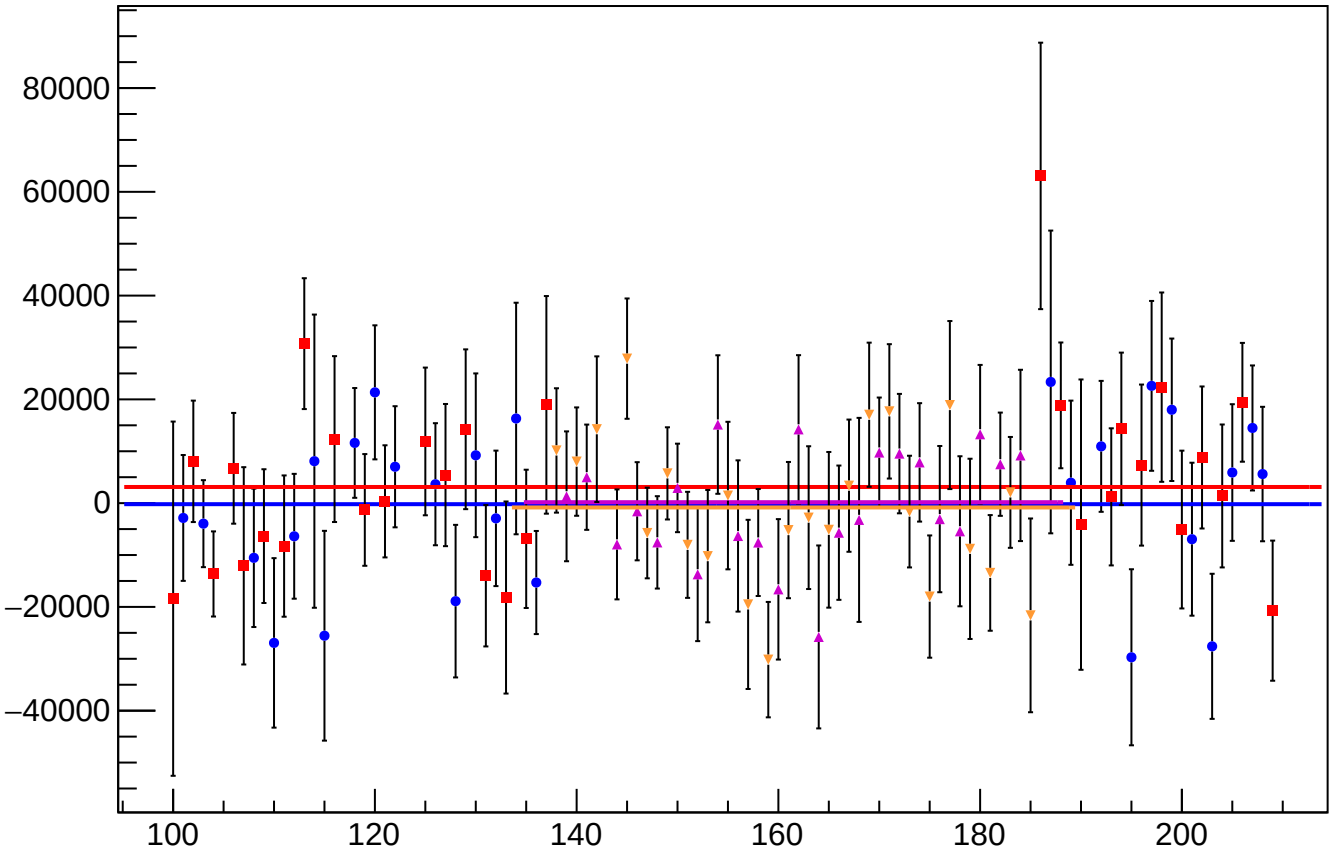
Right Out: 2196.773+/-0.381 χ^2/NDF: 207113.2/29

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2196.120+/-0.265 χ^2/NDF: 309665.7/50

All: 2199.495+/-0.187 χ^2/NDF: 598578.3/103

- sign 2202.822+/-0.264 χ^2/NDF: 288591.6/52



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

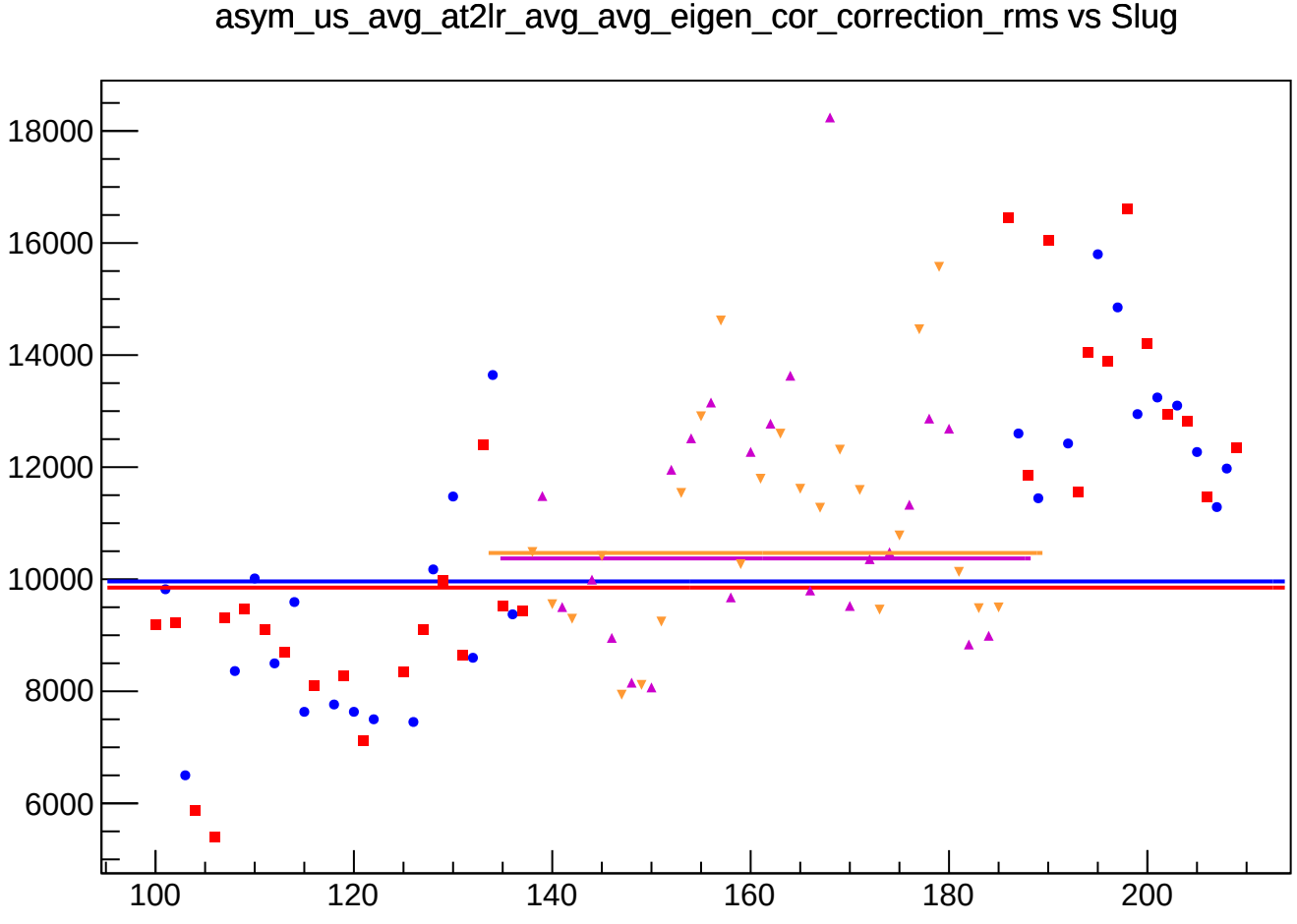
Right Out: 3114.101+/-2506.058 χ^2/NDF: 31.7/29

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

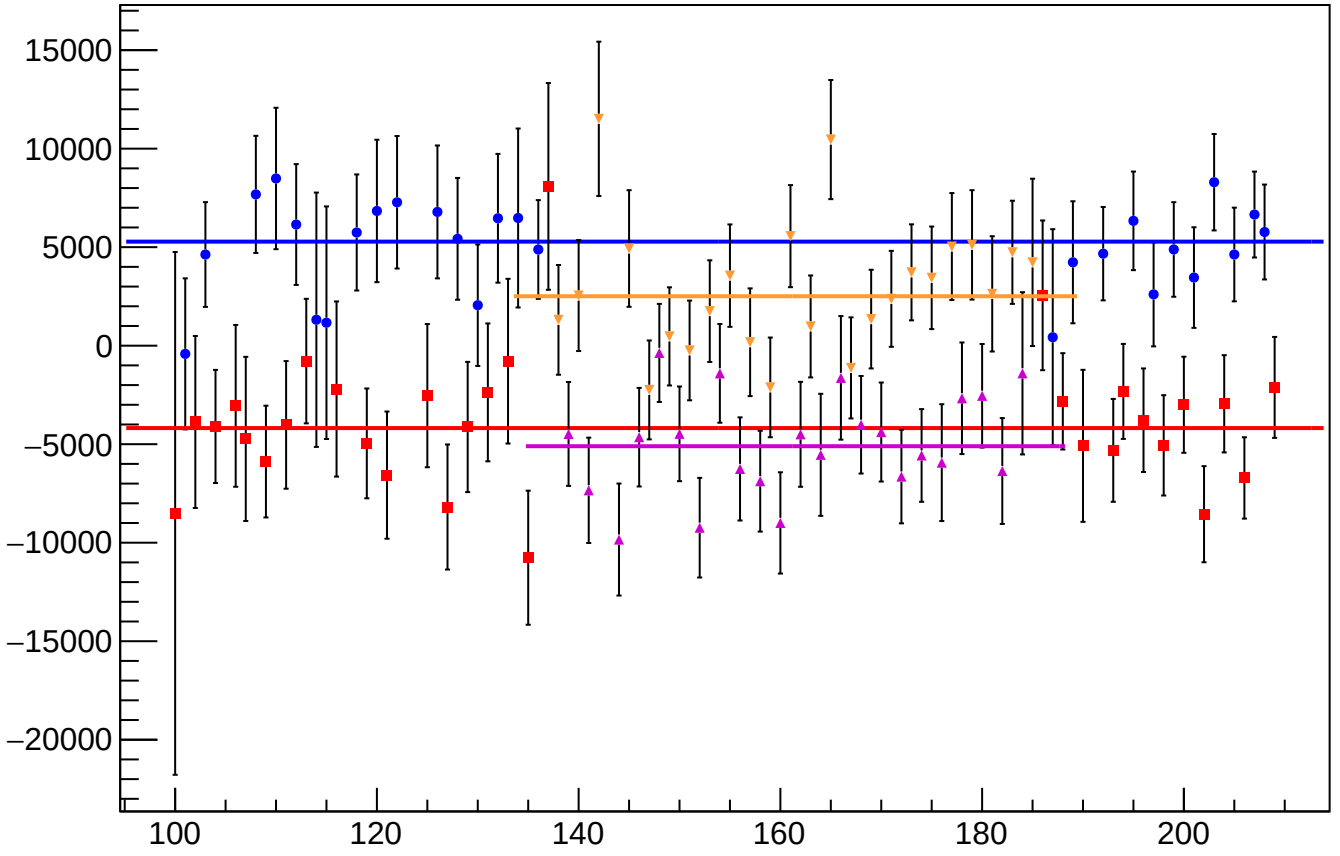
+ sign -530.237+/-1790.776 χ^2/NDF: 58.5/50

All: 567.682+/-1255.104 χ^2/NDF: 105.4/103

- sign 1627.712+/-1759.605 χ^2/NDF: 46.1/52


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: 9961.065+/-1.829 χ²/NDF: 1813285.9/26
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9850.512+/-1.772 χ²/NDF: 2485831.3/29
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
+ sign 10225.425+/-1.266 χ²/NDF: 2898649.3/50
All: 10168.908+/-0.887 χ²/NDF: 6635880.5/1
- sign 10114.341+/-1.244 χ²/NDF: 3733315.7/52

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5281.141+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4181.863+/-556.533 χ^2/NDF: 24.8/29

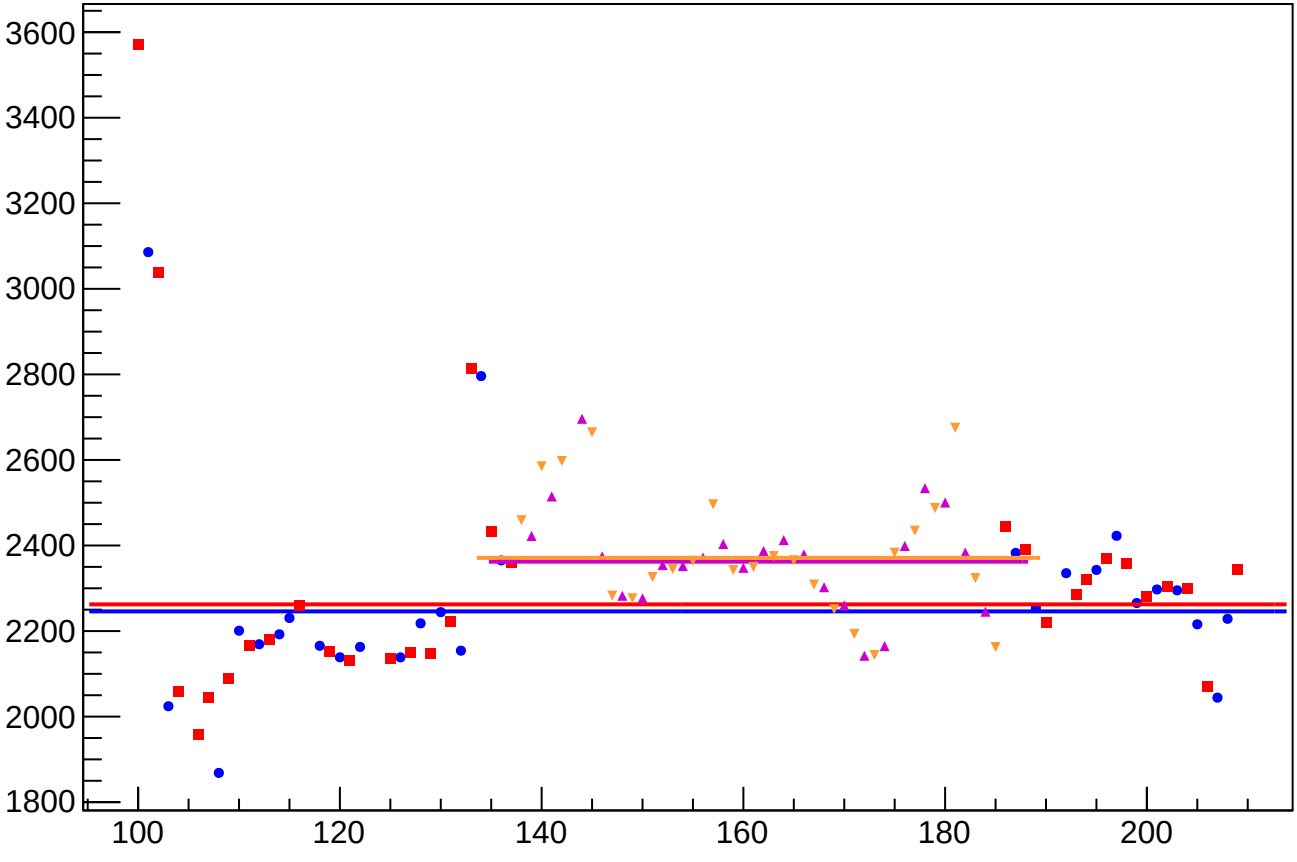
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3857.079+/-395.348 χ^2/NDF: 53.6/50

All: -429.127+/-278.407 χ^2/NDF: 332.8/103

- sign -4645.709+/-392.124 χ^2/NDF: 46.0/52

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2246.014+/-0.401 χ^2/NDF: 221329.8/26

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

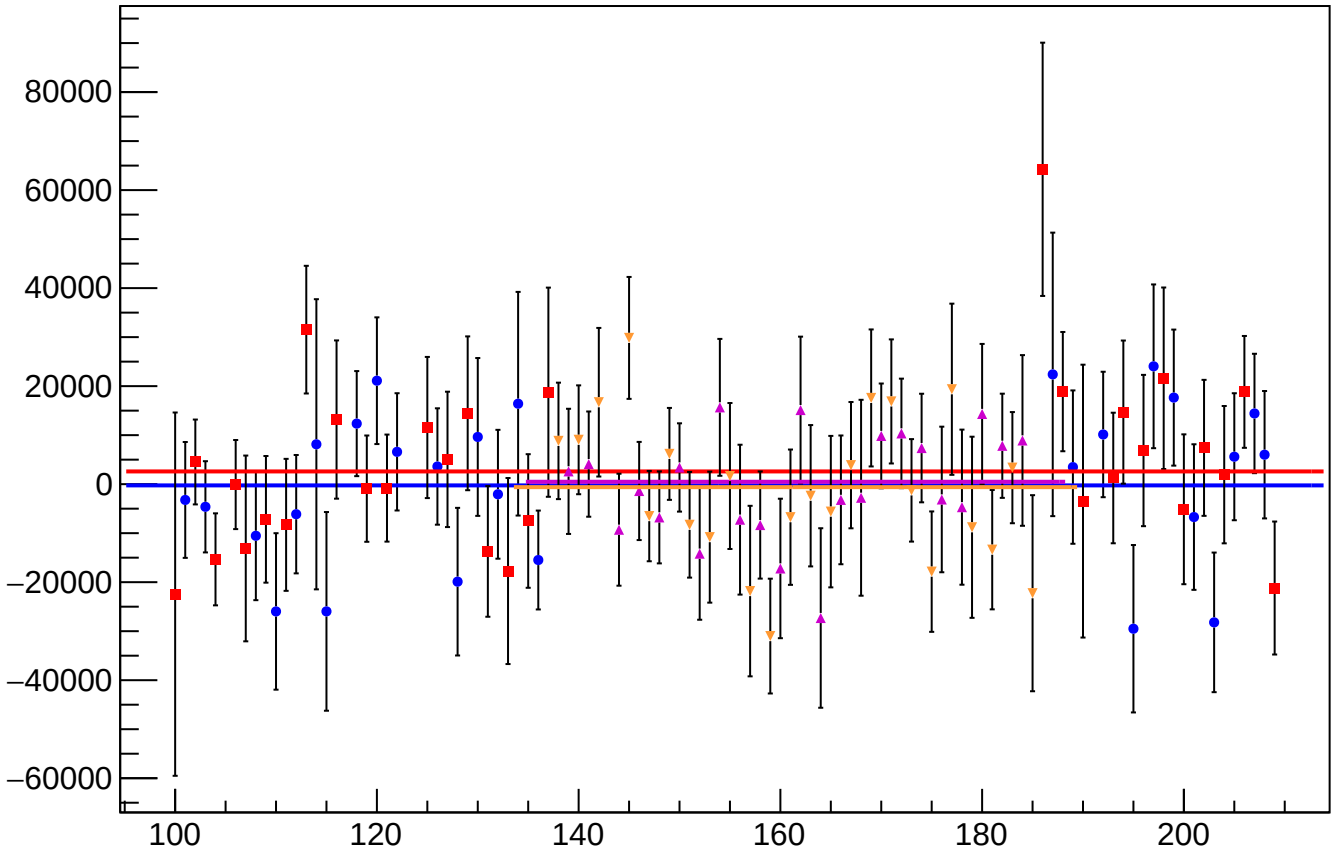
Right Out: 2262.408+/-0.393 χ^2/NDF: 213096.9/29

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2310.289+/-0.280 χ^2/NDF: 387671.0/50

All: 2311.482+/-0.197 χ^2/NDF: 725102.3/103

- sign 2312.655+/-0.277 χ^2/NDF: 337395.2/52



Right In: -252.070+/-2625.328 χ^2/NDF: 28.8/26

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

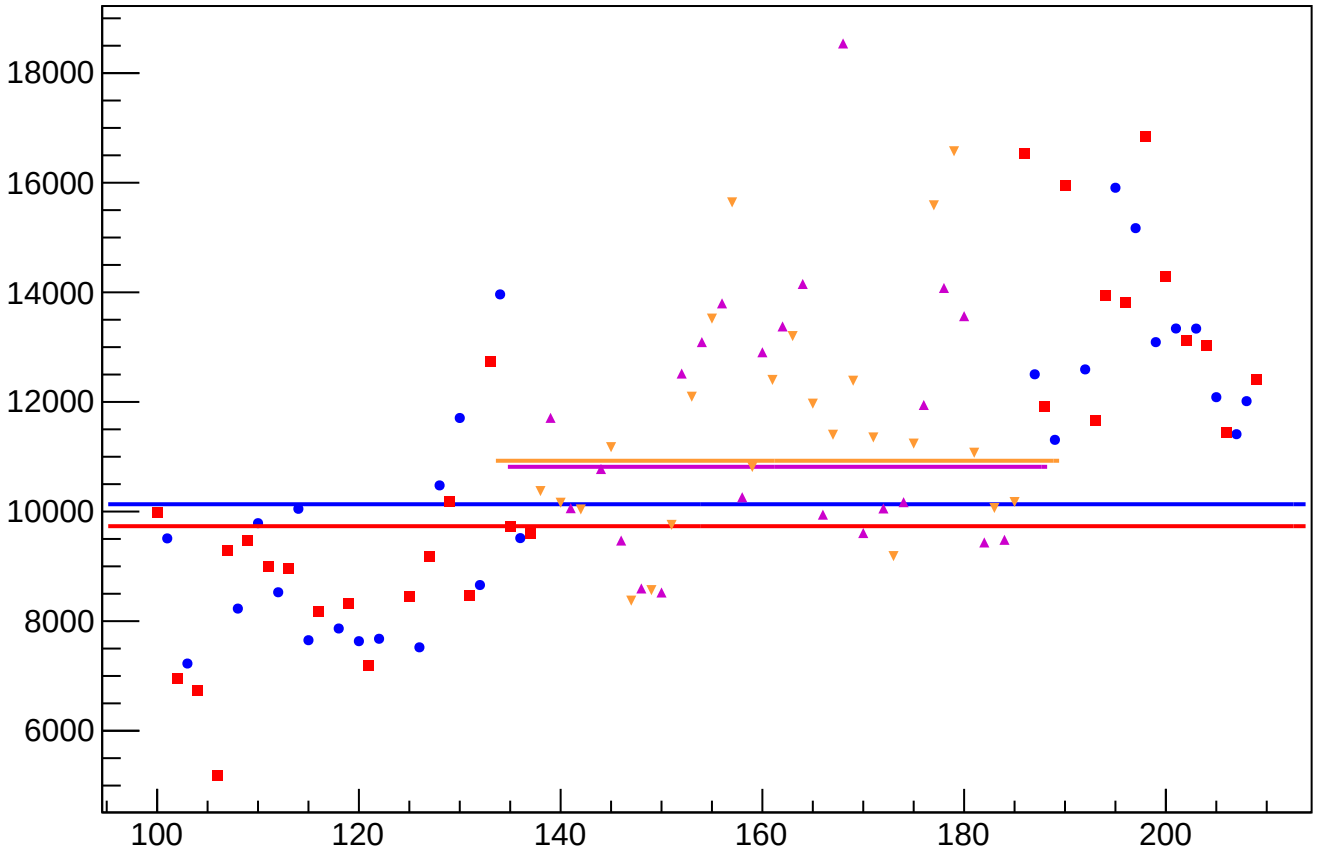
Right Out: 2597.000+/-2475.384 χ^2/NDF: 31.3/29

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -432.595+/-1843.741 χ^2/NDF: 57.7/50

All: 609.199+/-1282.551 χ^2/NDF: 103.5/103

- sign 1585.968+/-1785.275 χ^2/NDF: 45.2/52



Right In: 10133.447+/-1.856 χ^2/NDF: 1667058.8/26

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

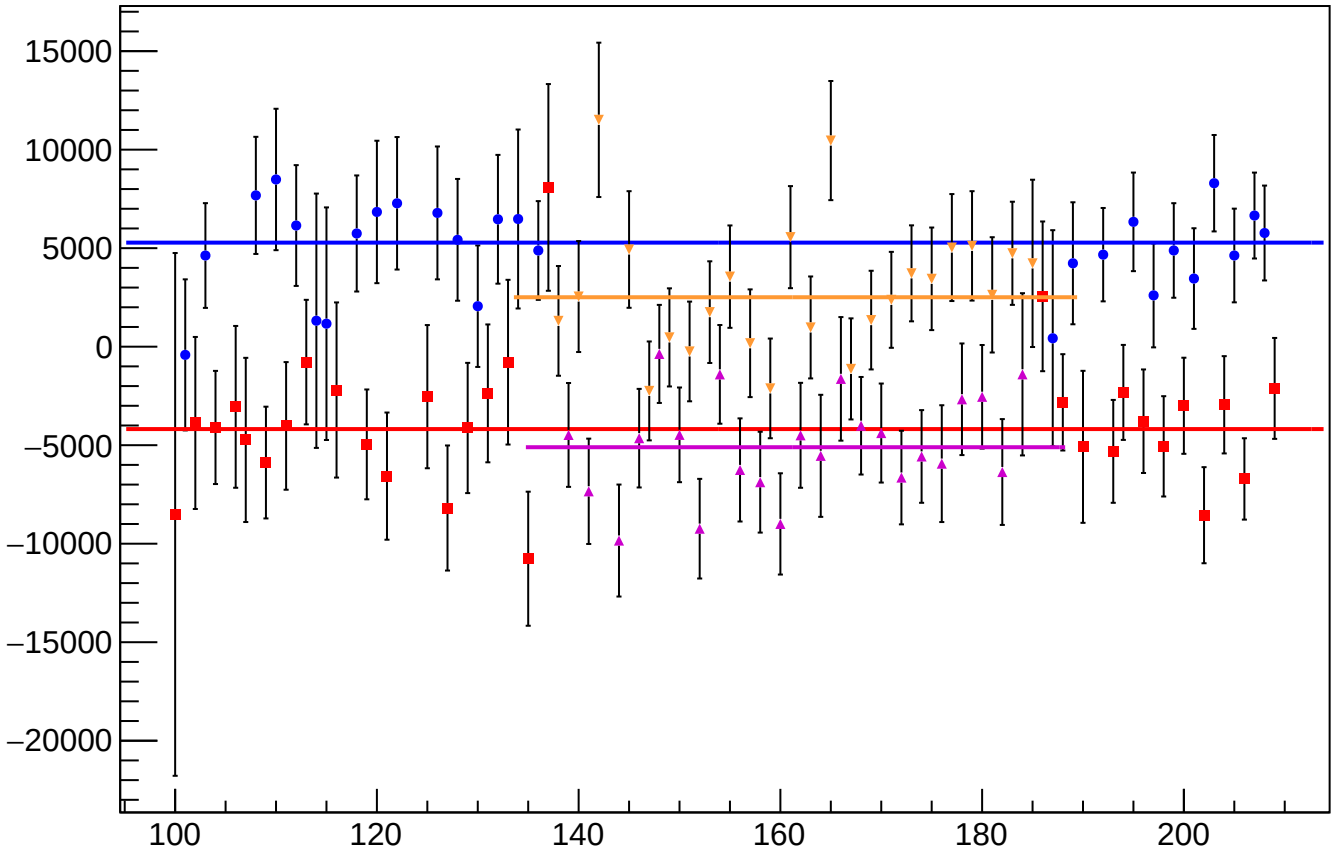
Right Out: 9732.936+/-1.750 χ^2/NDF: 2650505.9/29

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10535.540+/-1.304 χ^2/NDF: 2816964.0/50

All: 10389.617+/-0.907 χ^2/NDF: 6872395.7/1

- sign 10252.803+/-1.262 χ^2/NDF: 4031157.9/52



Right In: 5281.138+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4181.860+/-556.533 χ^2/NDF: 24.8/29

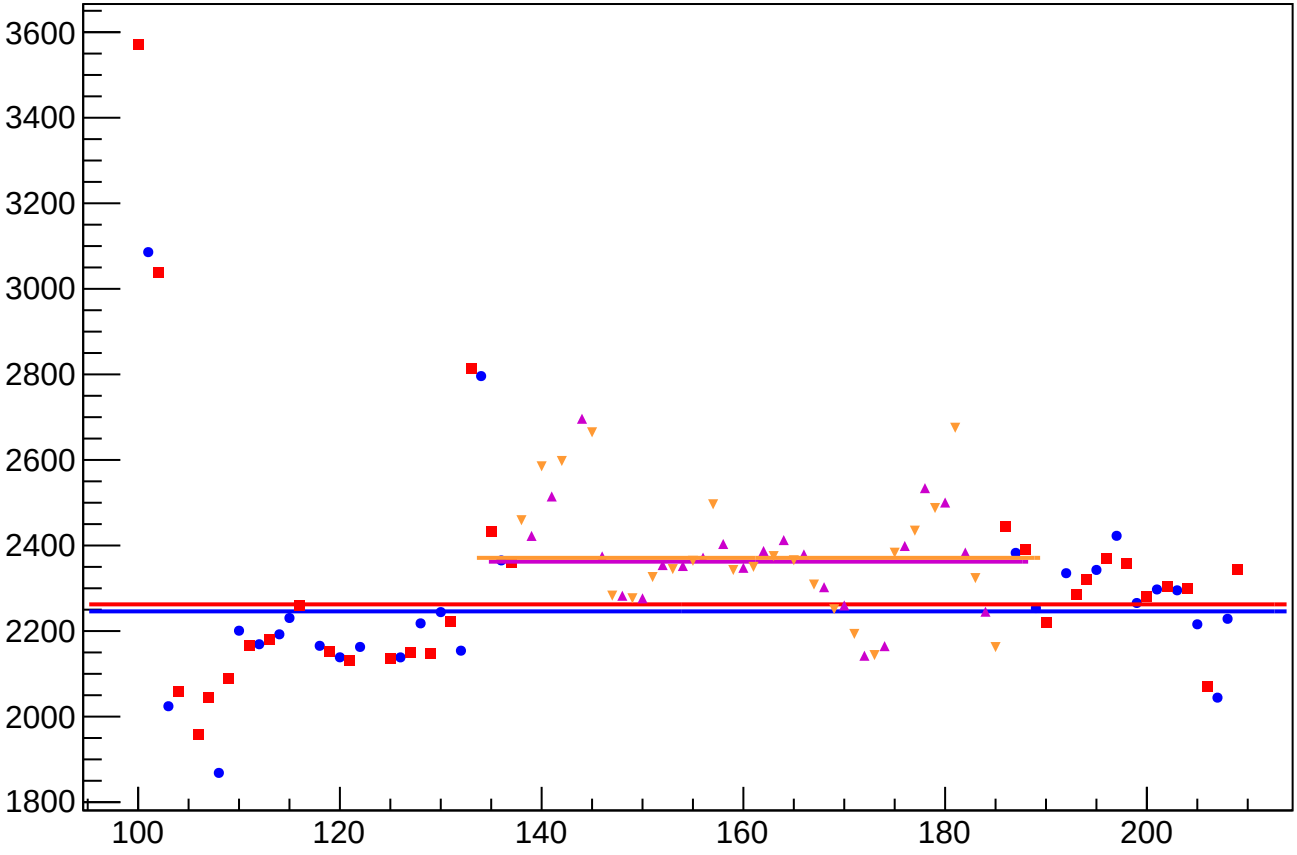
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3857.073+/-395.349 χ^2/NDF: 53.6/50

All: -429.129+/-278.407 χ^2/NDF: 332.8/103

- sign -4645.708+/-392.124 χ^2/NDF: 46.0/52

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2246.013+/-0.401 χ^2/NDF: 221329.9/26

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

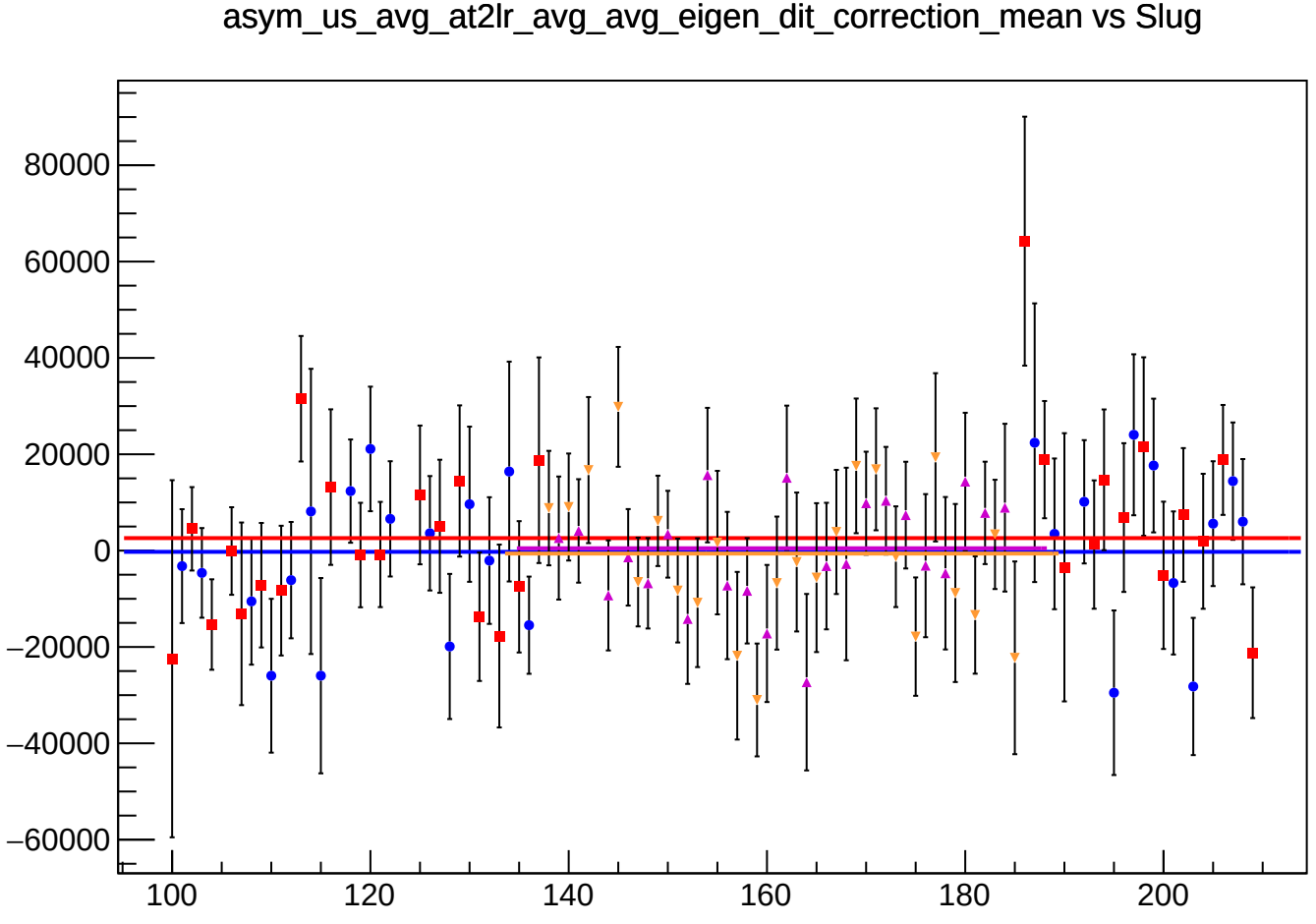
Right Out: 2262.408+/-0.393 χ^2/NDF: 213097.4/29

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2310.291+/-0.280 χ^2/NDF: 387678.3/50

All: 2311.484+/-0.197 χ^2/NDF: 725116.7/103

- sign 2312.657+/-0.277 χ^2/NDF: 337402.4/52



Right In: -252.063+/-2625.326 χ^2/NDF: 28.8/26

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

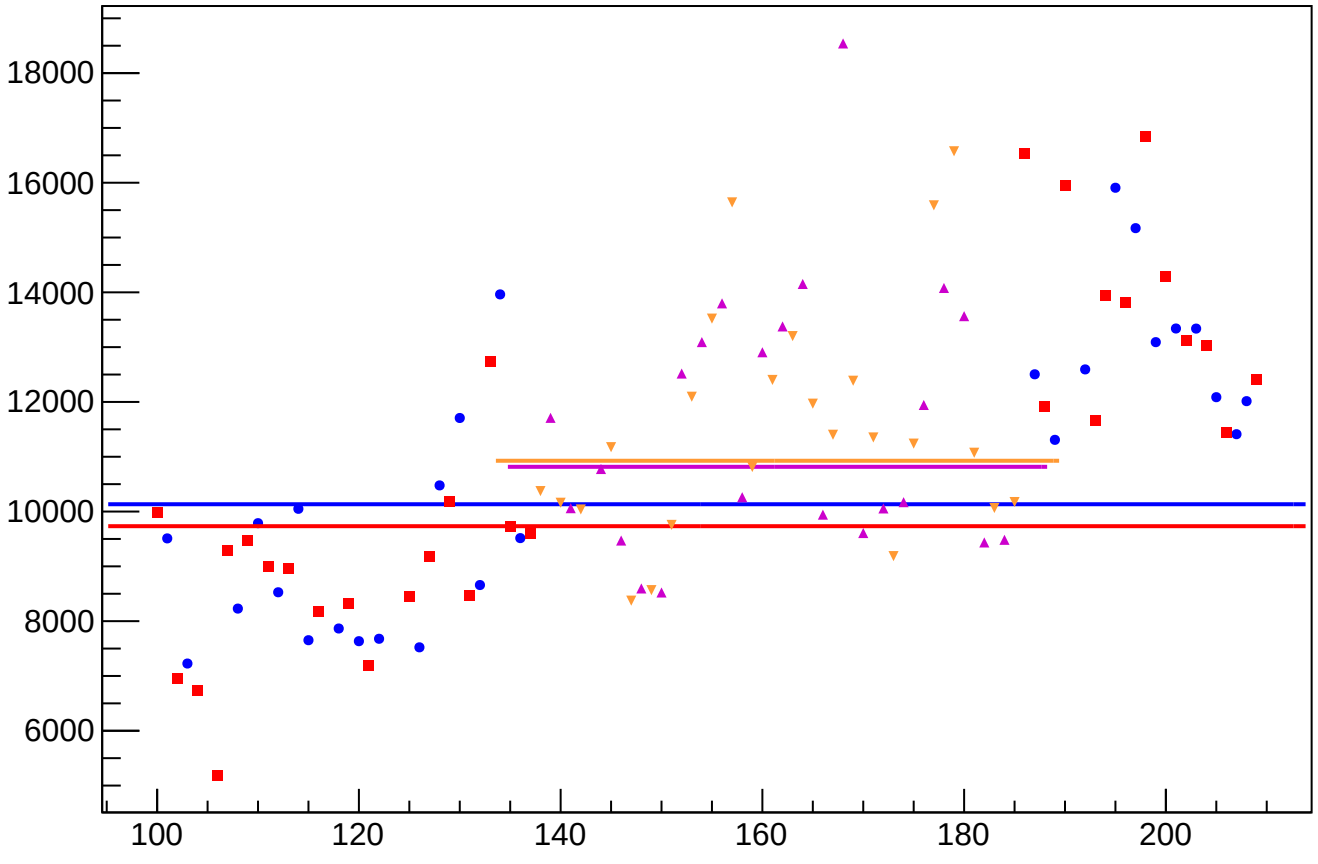
Right Out: 2596.986+/-2475.381 χ^2/NDF: 31.3/29

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -432.595+/-1843.742 χ^2/NDF: 57.7/50

All: 609.197+/-1282.552 χ^2/NDF: 103.5/103

- sign 1585.965+/-1785.275 χ^2/NDF: 45.2/52



Right In: 10133.434+/-1.856 χ^2/NDF: 1667084.9/26

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

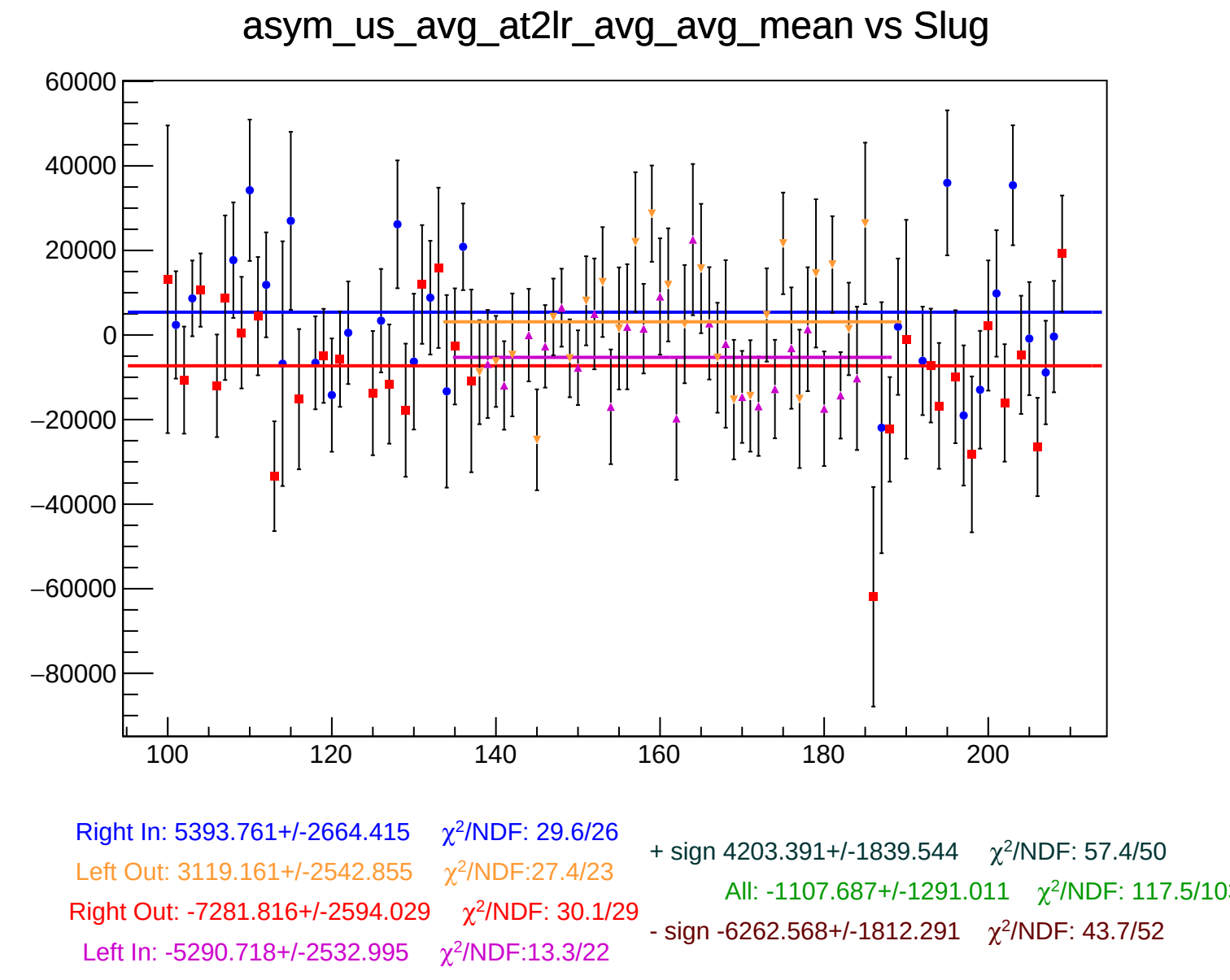
Right Out: 9732.923+/-1.750 χ^2/NDF: 2650528.4/29

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

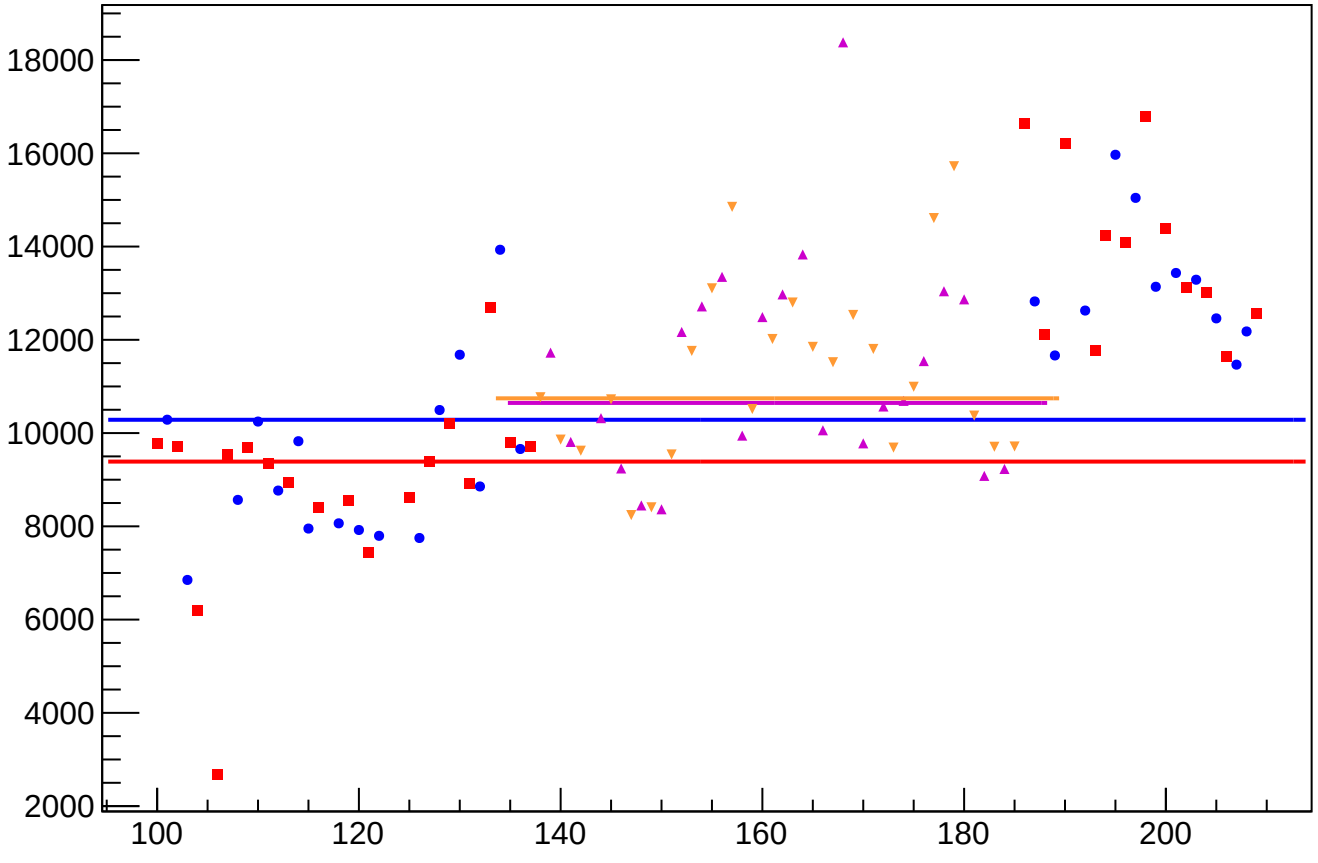
+ sign 10535.542+/-1.304 χ^2/NDF: 2816999.7/50

All: 10389.618+/-0.907 χ^2/NDF: 6872468.0/1

- sign 10252.802+/-1.262 χ^2/NDF: 4031194.3/52


asym_us_avg_at2lr_avg_avg_mean vs Slug
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: 5393.761+/-2664.415 χ²/NDF: 29.6/26
Left Out: 3119.161+/-2542.855 χ²/NDF:27.4/23
Right Out: -7281.816+/-2594.029 χ²/NDF: 30.1/29
Left In: -5290.718+/-2532.995 χ²/NDF:13.3/22
+ sign 4203.391+/-1839.544 χ²/NDF: 57.4/50
All: -1107.687+/-1291.011 χ²/NDF: 117.5/10
- sign -6262.568+/-1812.291 χ²/NDF: 43.7/52

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10285.218+/-1.884 χ^2/NDF: 1647418.0/26

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

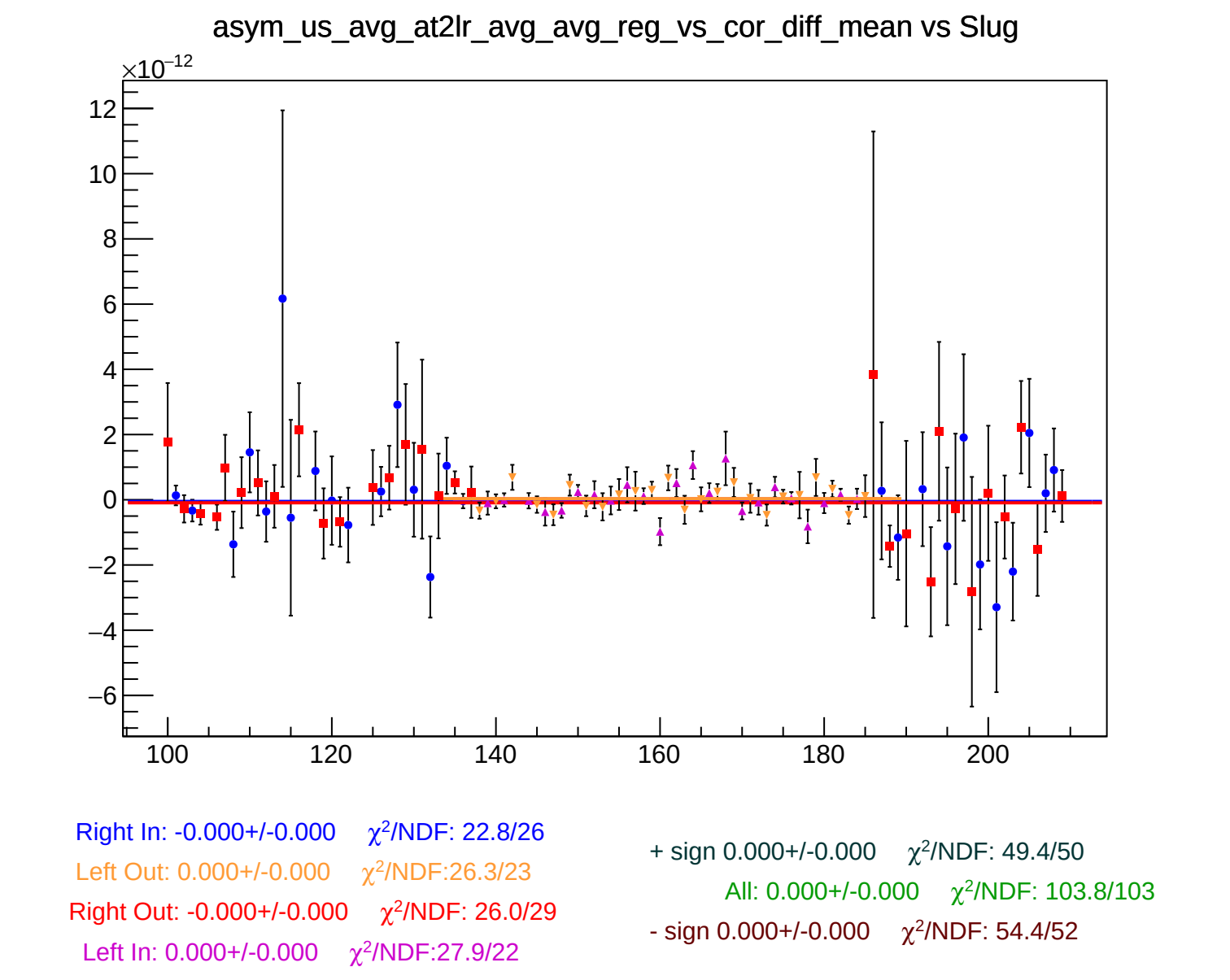
Right Out: 9388.478+/-1.747 χ^2/NDF: 4237631.3/29

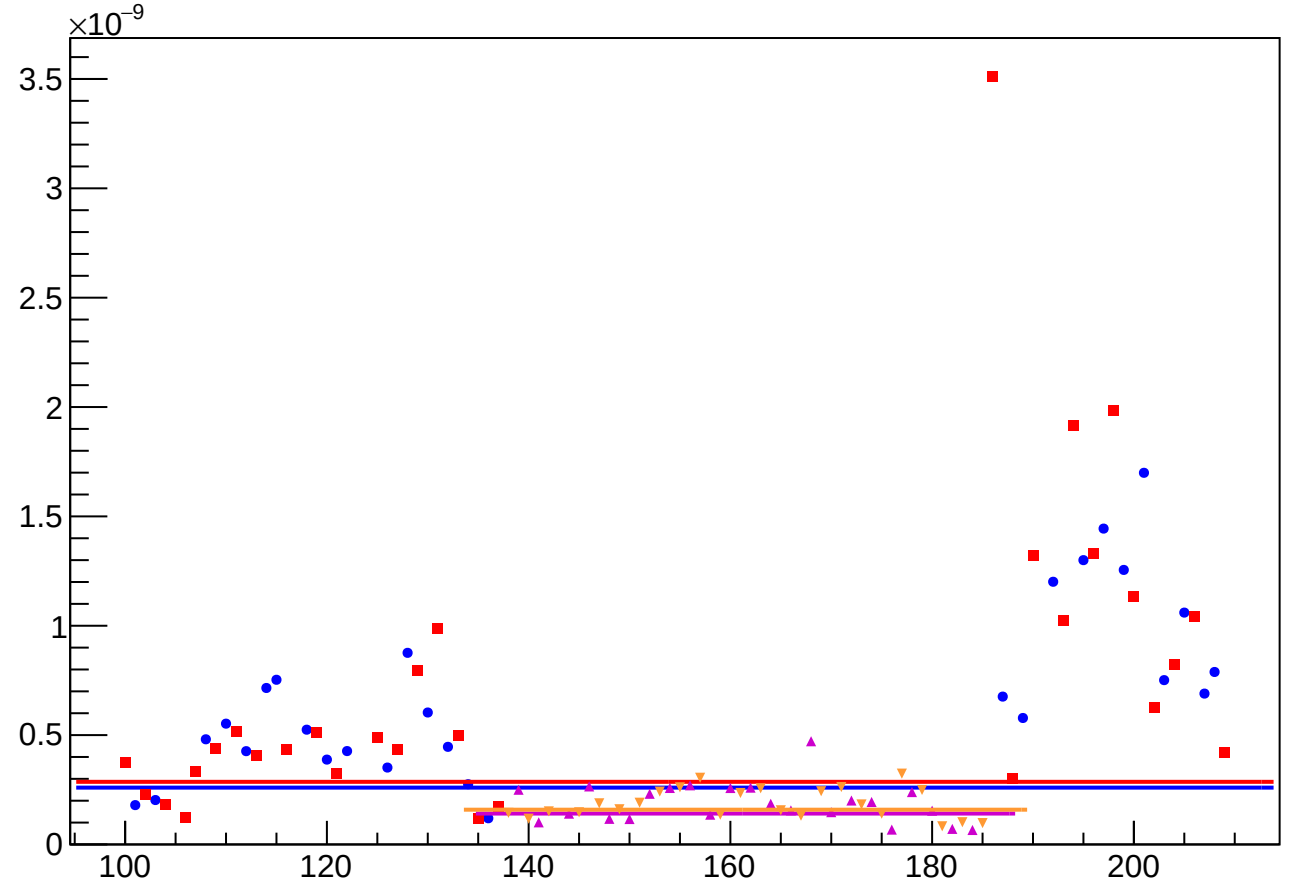
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10526.008+/-1.301 χ^2/NDF: 2643249.1/50

All: 10253.524+/-0.901 χ^2/NDF: 8332233.1/1

- sign 10001.686+/-1.250 χ^2/NDF: 5604543.4/52


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: 22.8/26
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.0/29
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 49.4/50
All: 0.000+/-0.000 χ²/NDF: 103.8/103
- sign 0.000+/-0.000 χ²/NDF: 54.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 5871353.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

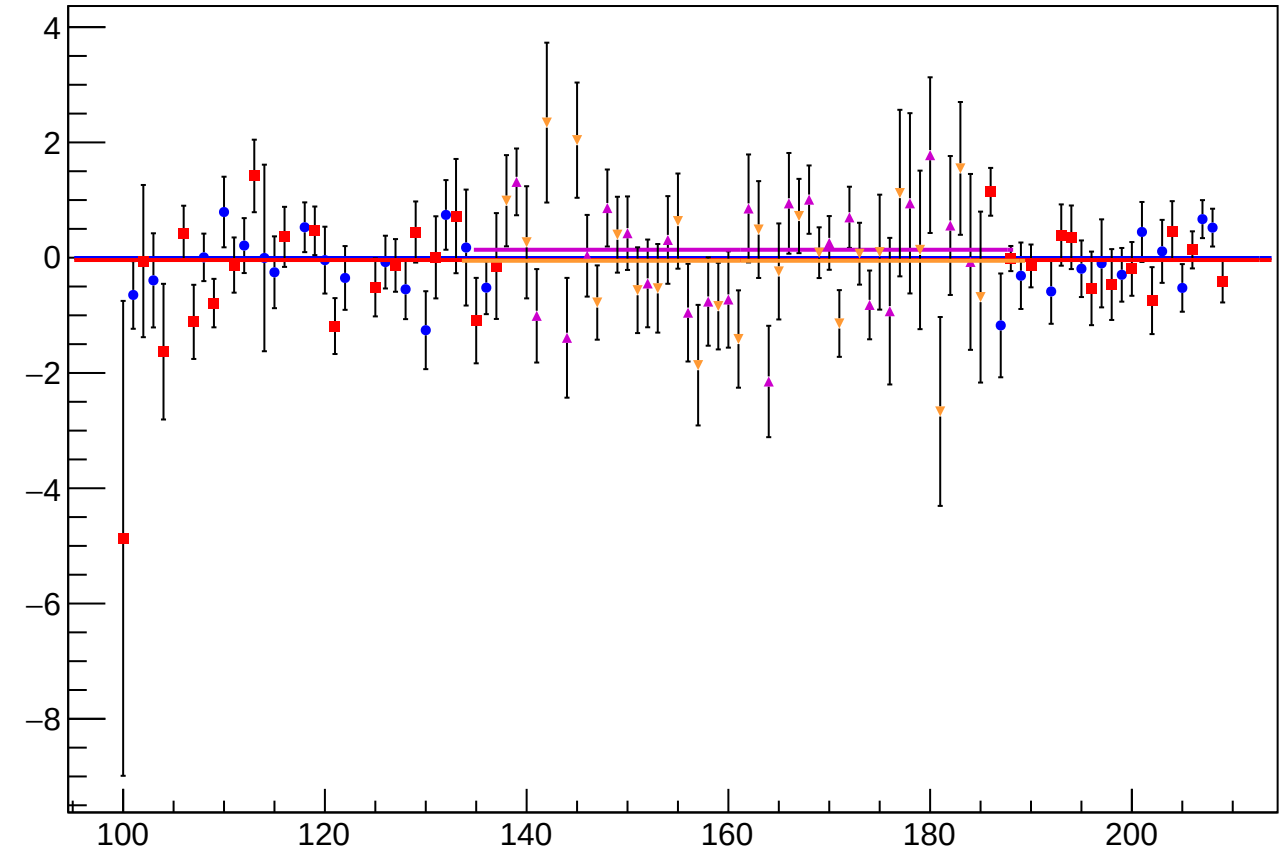
Right Out: 0.000+/-0.000 χ^2/NDF: 5806780.6/29

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8059338.1/50

All: 0.000+/-0.000 χ^2/NDF: 18033588.0/103

- sign 0.000+/-0.000 χ^2/NDF: 9907647.4/52



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

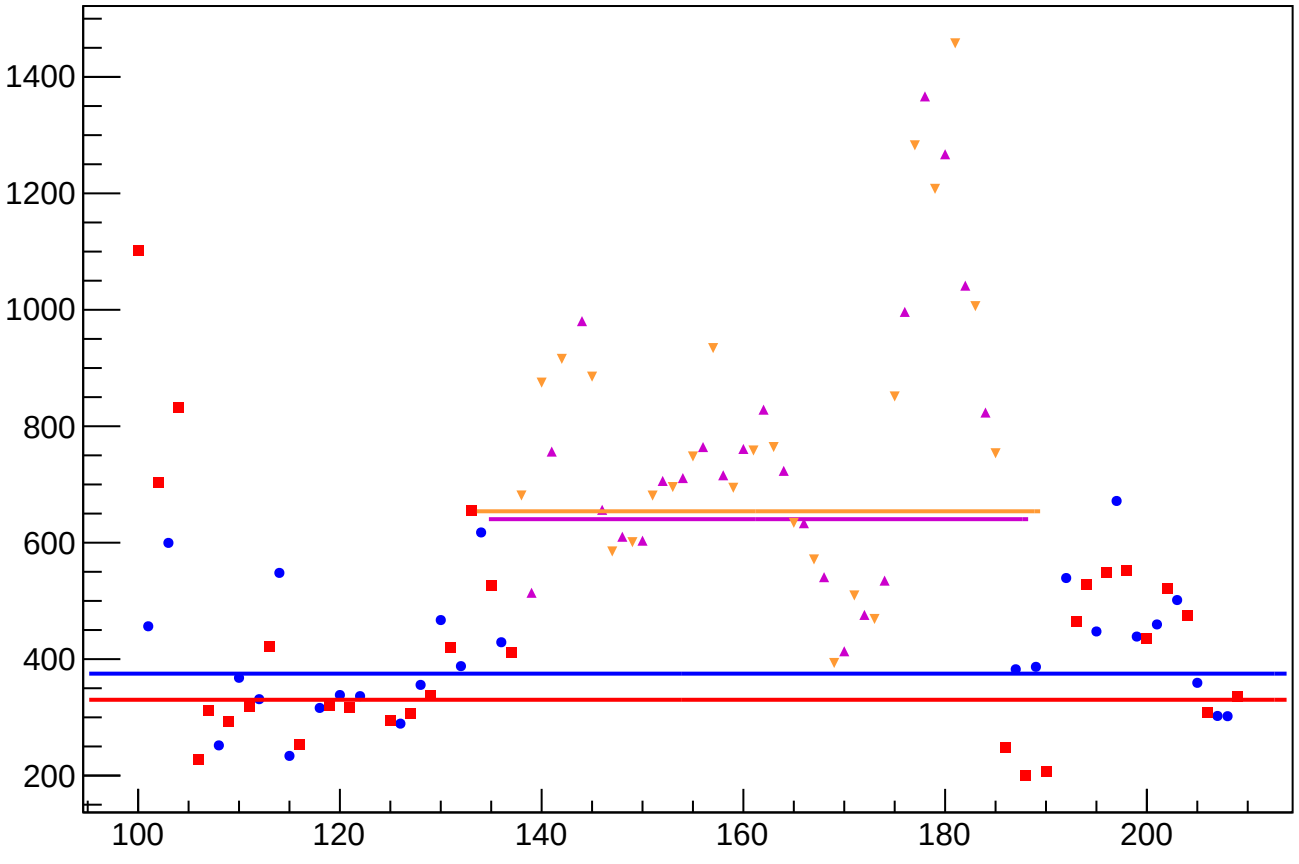
Right Out: -0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: -0.007+/-0.057 χ^2/NDF: 128.5/103

- sign 0.002+/-0.077 χ^2/NDF: 72.7/52



Right In: 375.069+/-0.071 χ^2/NDF: 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 330.185+/-0.063 χ^2/NDF: 3591045.0/29

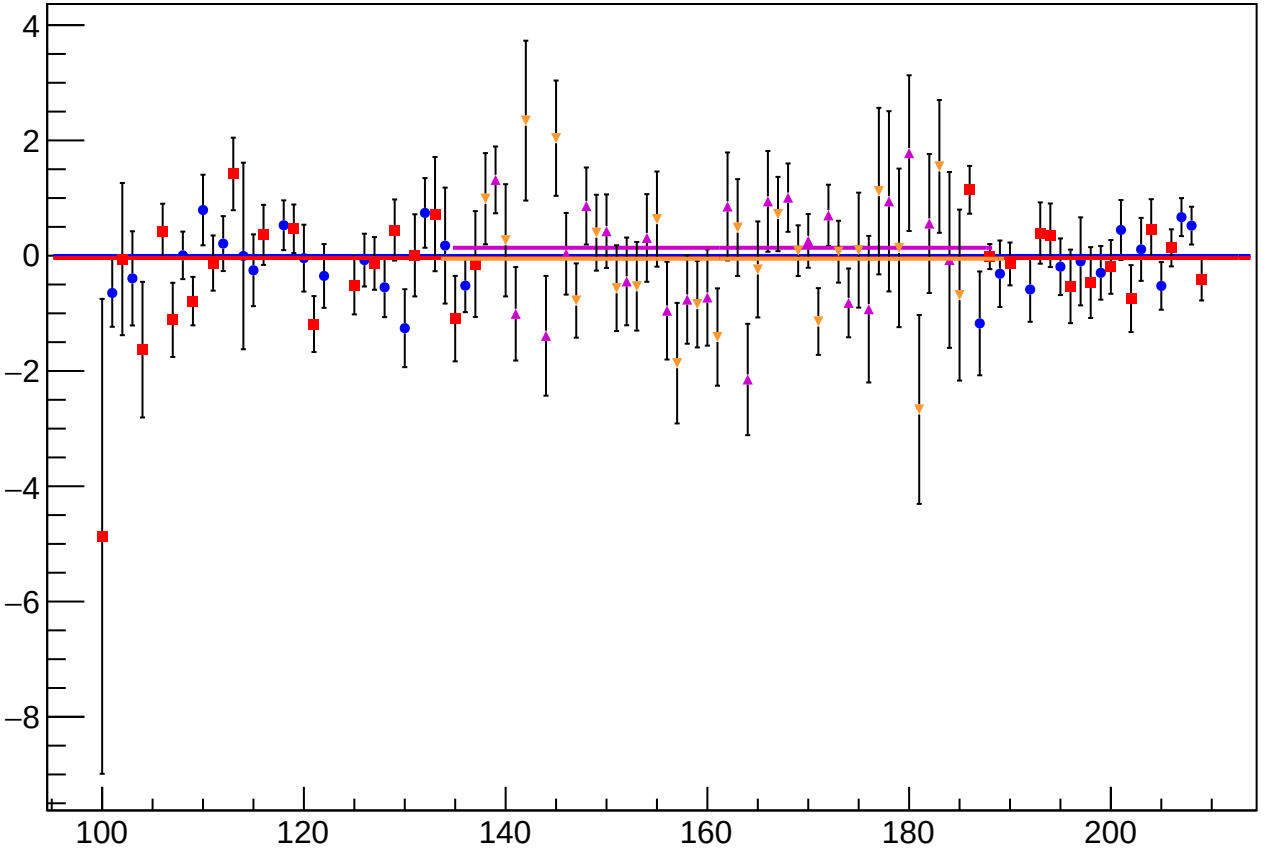
Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182096.3/50

All: 426.296+/-0.040 χ^2/NDF: 21630863.2/10

- sign 404.717+/-0.055 χ^2/NDF: 12106109.1/52

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

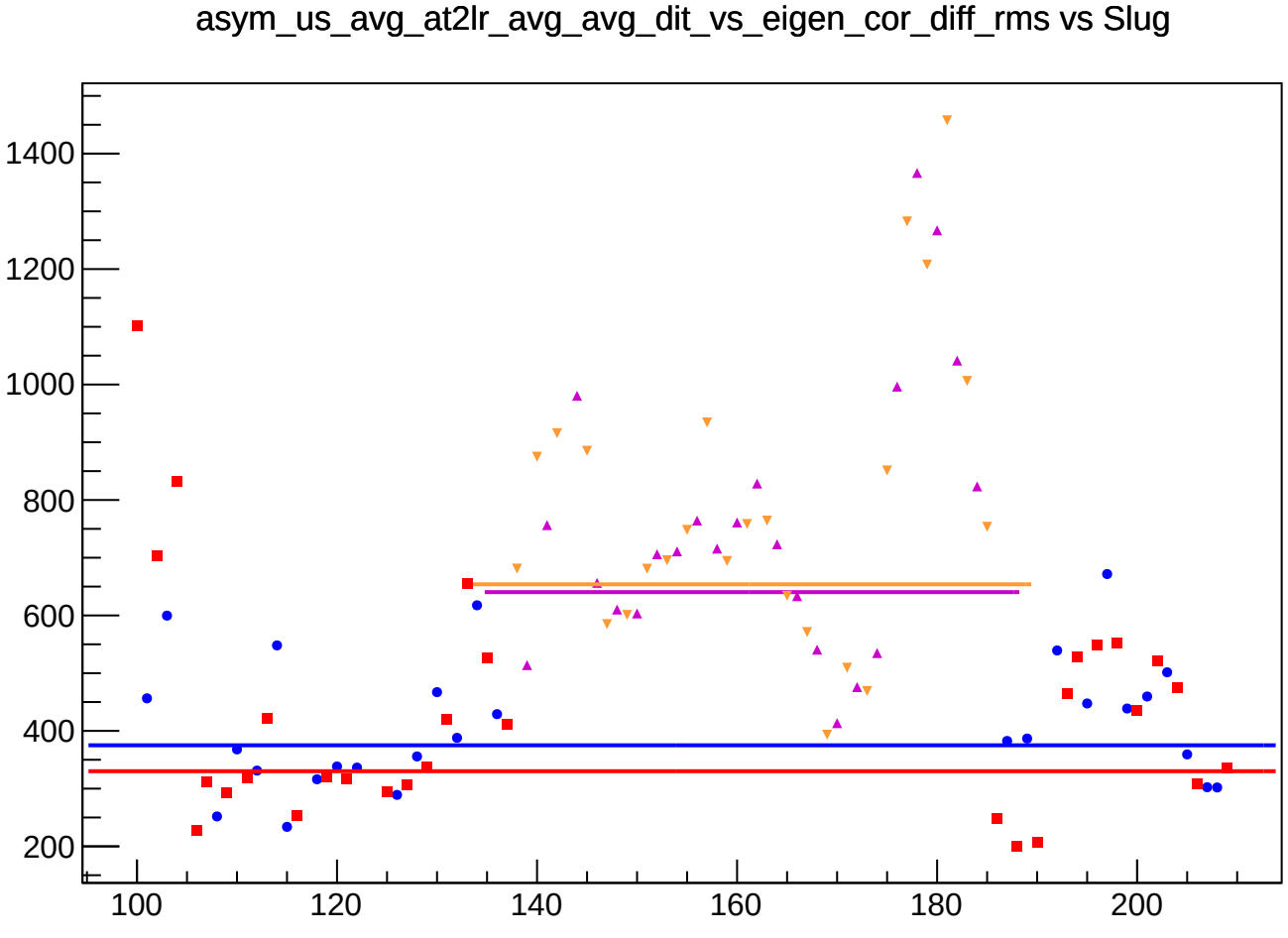
Right Out: -0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: -0.007+/-0.057 χ^2/NDF: 128.5/103

- sign 0.002+/-0.077 χ^2/NDF: 72.7/52



Right In: 375.069+/-0.071 χ^2/NDF: 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

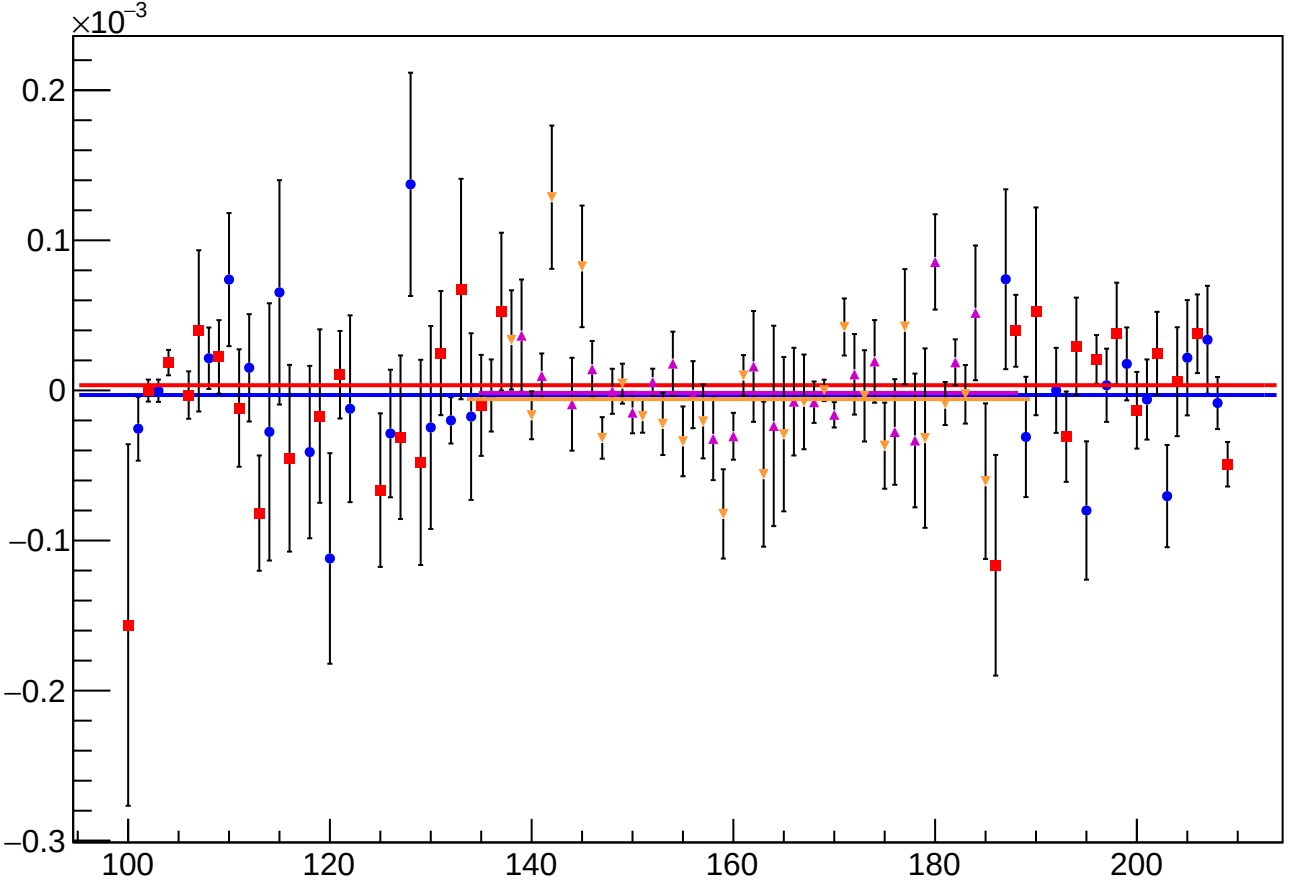
Right Out: 330.185+/-0.063 χ^2/NDF: 3591045.0/29

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182096.3/50

All: 426.296+/-0.040 χ^2/NDF: 21630863.2/10

- sign 404.717+/-0.055 χ^2/NDF: 12106109.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

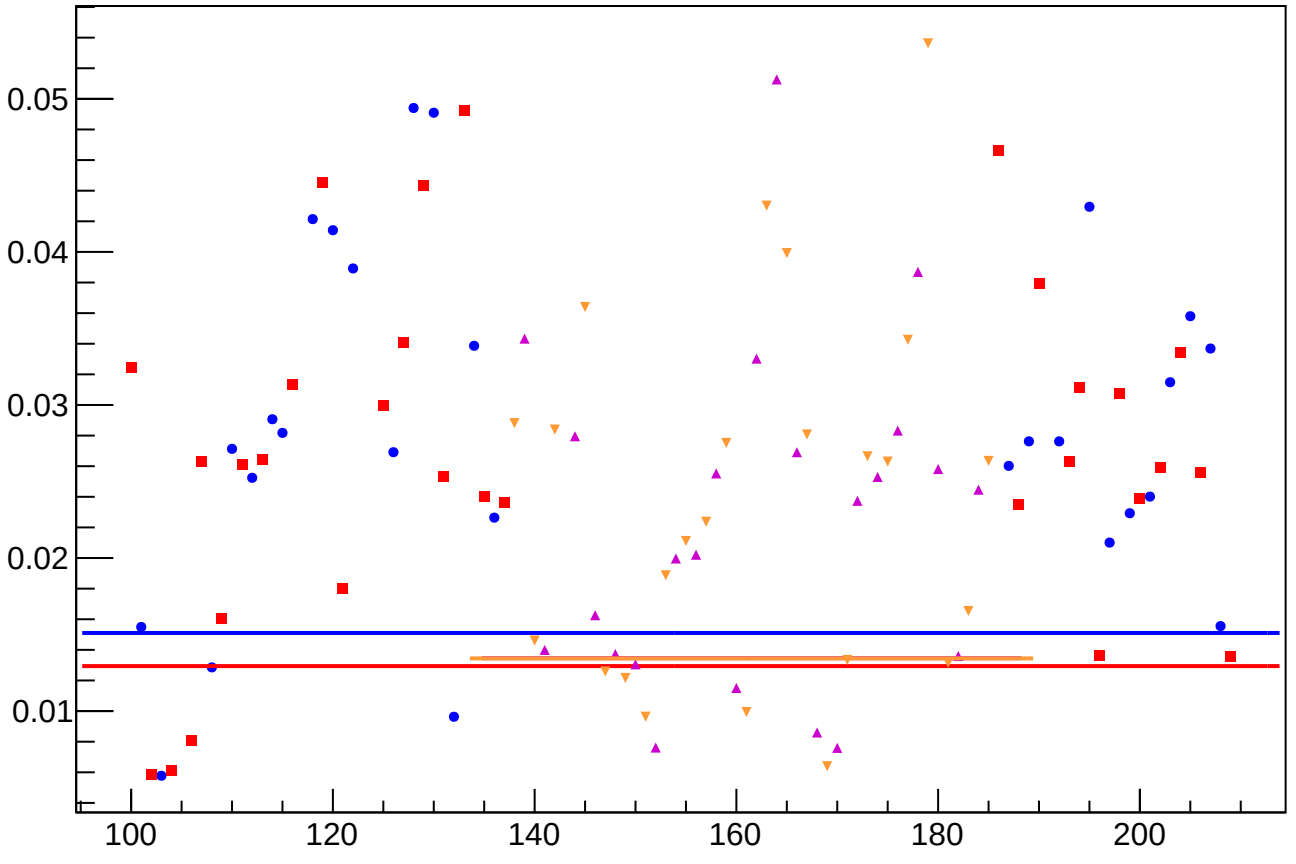
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/29

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/50

All: -0.000+/-0.000 χ^2/NDF: 139.5/103

- sign 0.000+/-0.000 χ^2/NDF: 68.5/52



Right In: 0.015+/-0.000 χ^2/NDF: 9891479.0/26

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

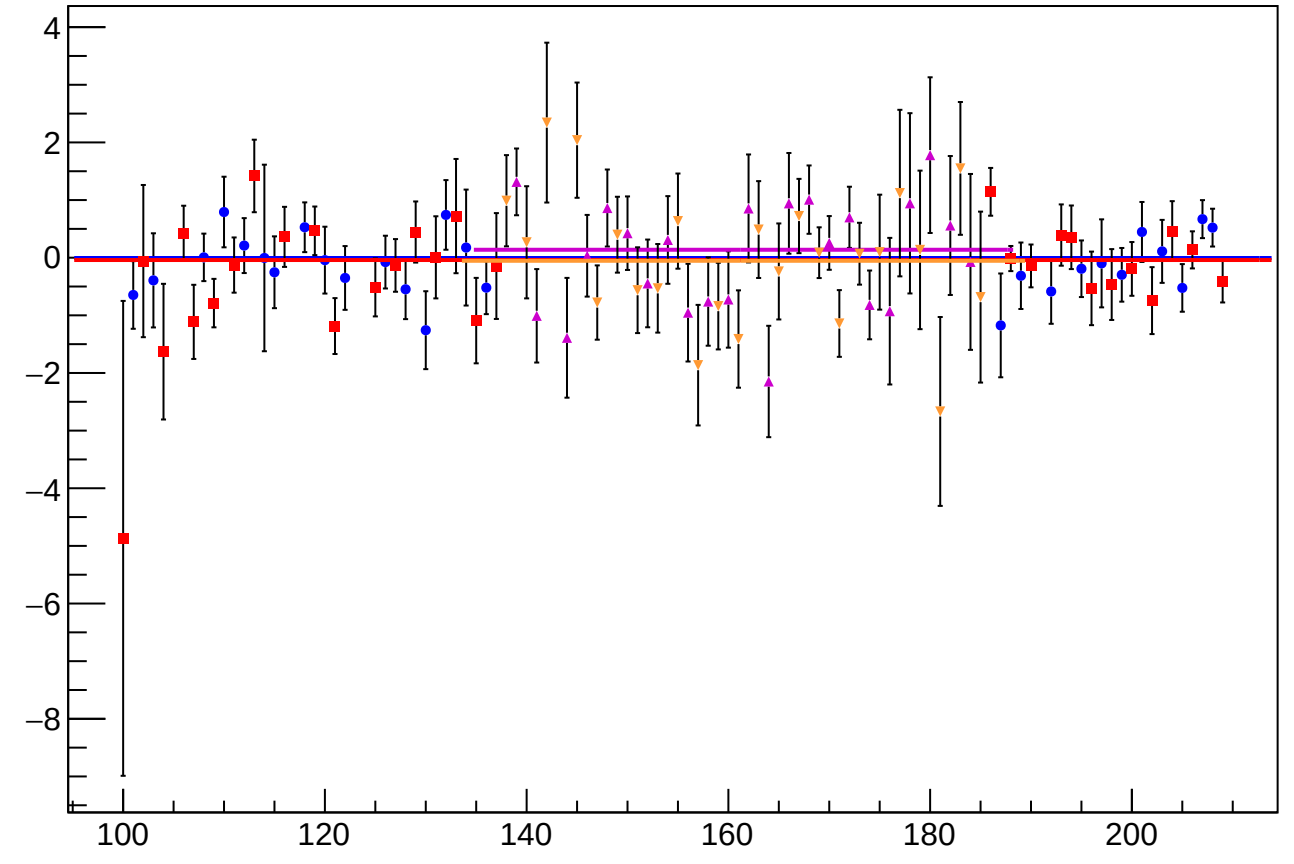
Right Out: 0.013+/-0.000 χ^2/NDF: 11361446.9/29

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 18902043.9/50

All: 0.014+/-0.000 χ^2/NDF: 37924397.3/103

- sign 0.013+/-0.000 χ^2/NDF: 18927680.8/52



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

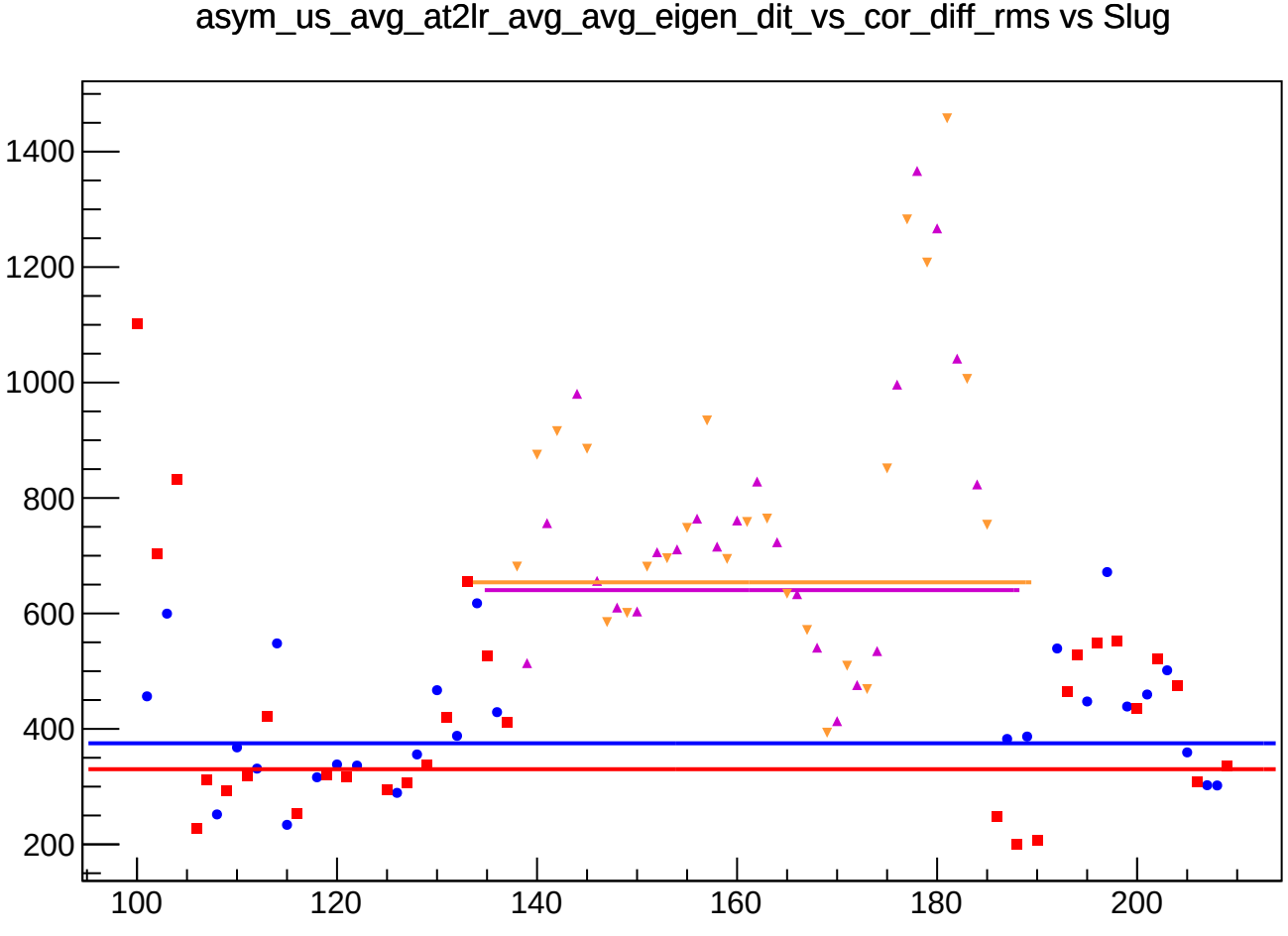
Right Out: -0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: -0.007+/-0.057 χ^2/NDF: 128.5/103

- sign 0.002+/-0.077 χ^2/NDF: 72.7/52



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

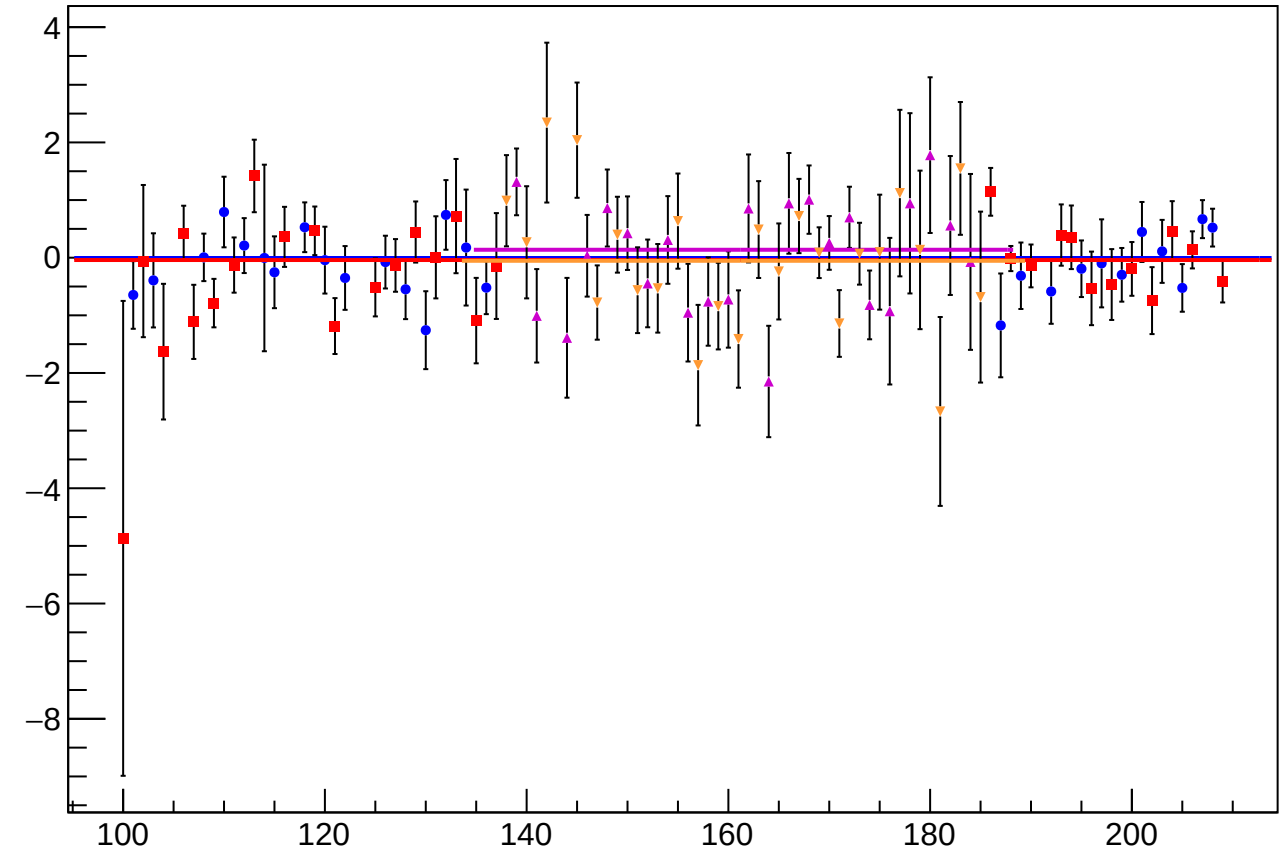
Right Out: 330.180+/-0.063 χ^2/NDF: 3591265.7/29

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182272.1/50

All: 426.293+/-0.040 χ^2/NDF: 21631744.0/10

- sign 404.712+/-0.055 χ^2/NDF: 12106742.6/52



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

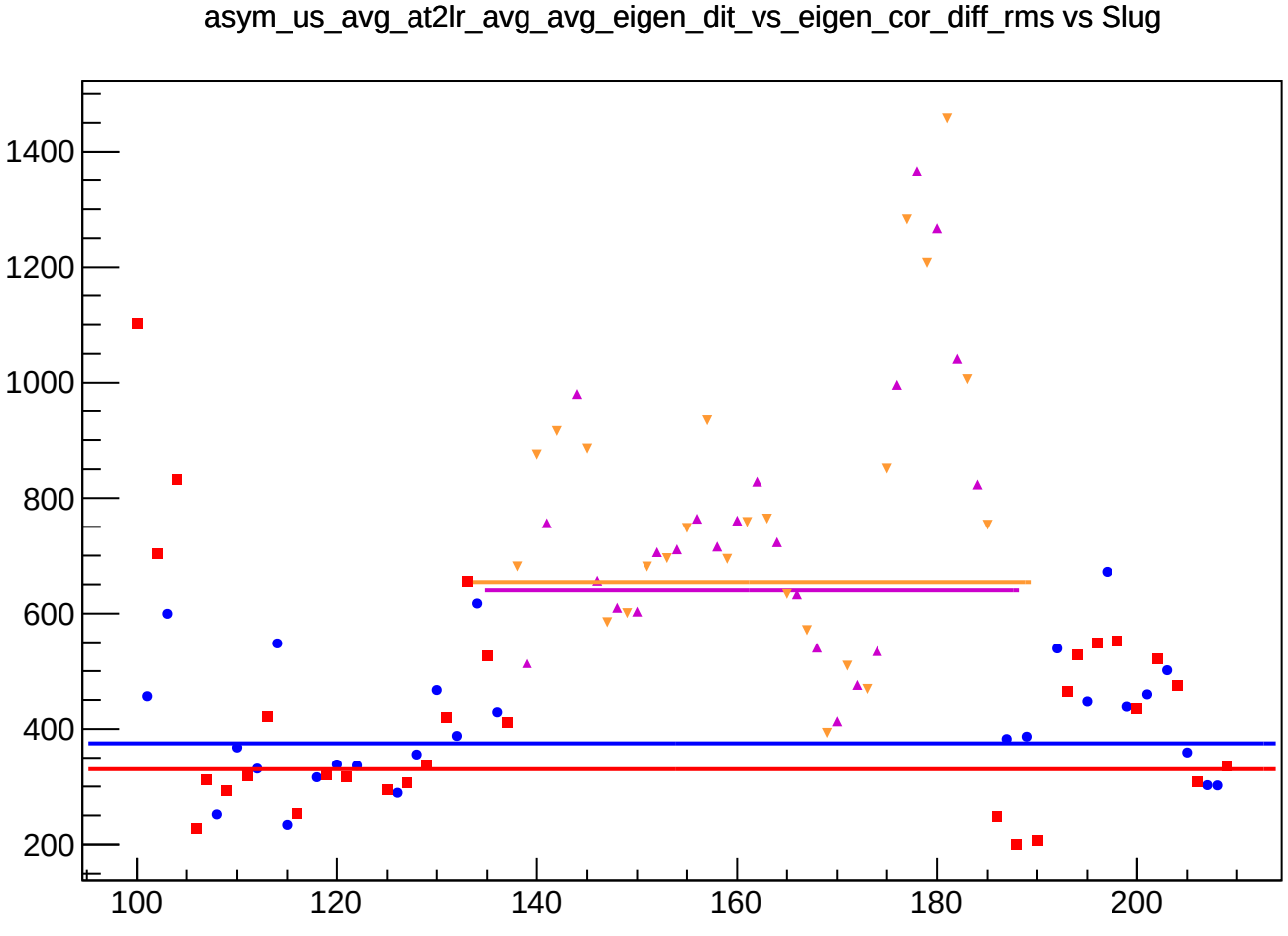
Right Out: -0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.019+/-0.085 χ^2/NDF: 55.7/50

All: -0.007+/-0.057 χ^2/NDF: 128.5/103

- sign 0.002+/-0.077 χ^2/NDF: 72.7/52



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

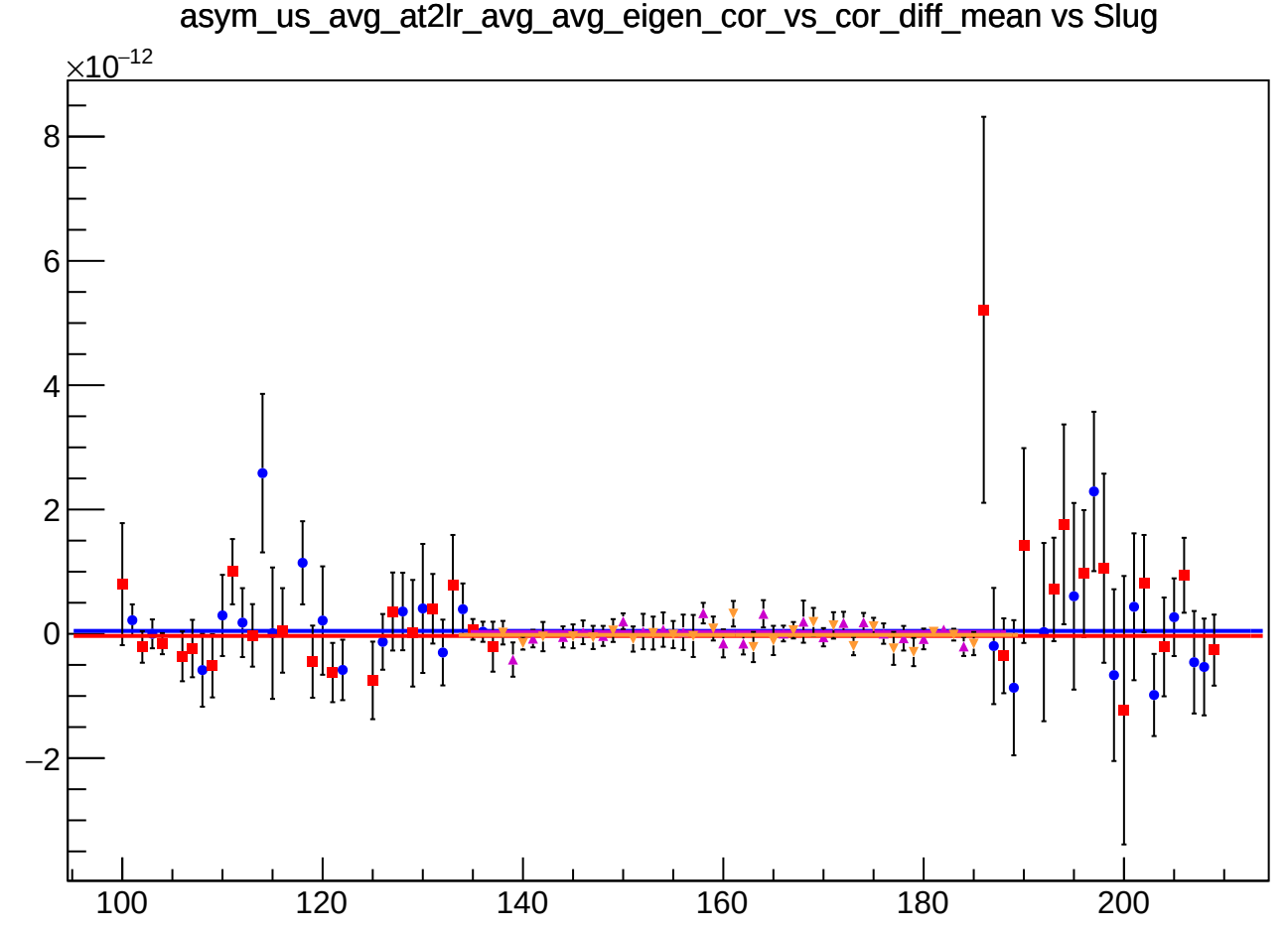
Right Out: 330.180+/-0.063 χ^2/NDF: 3591265.7/29

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 452.258+/-0.060 χ^2/NDF: 9182272.1/50

All: 426.293+/-0.040 χ^2/NDF: 21631744.0/10

- sign 404.712+/-0.055 χ^2/NDF: 12106742.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

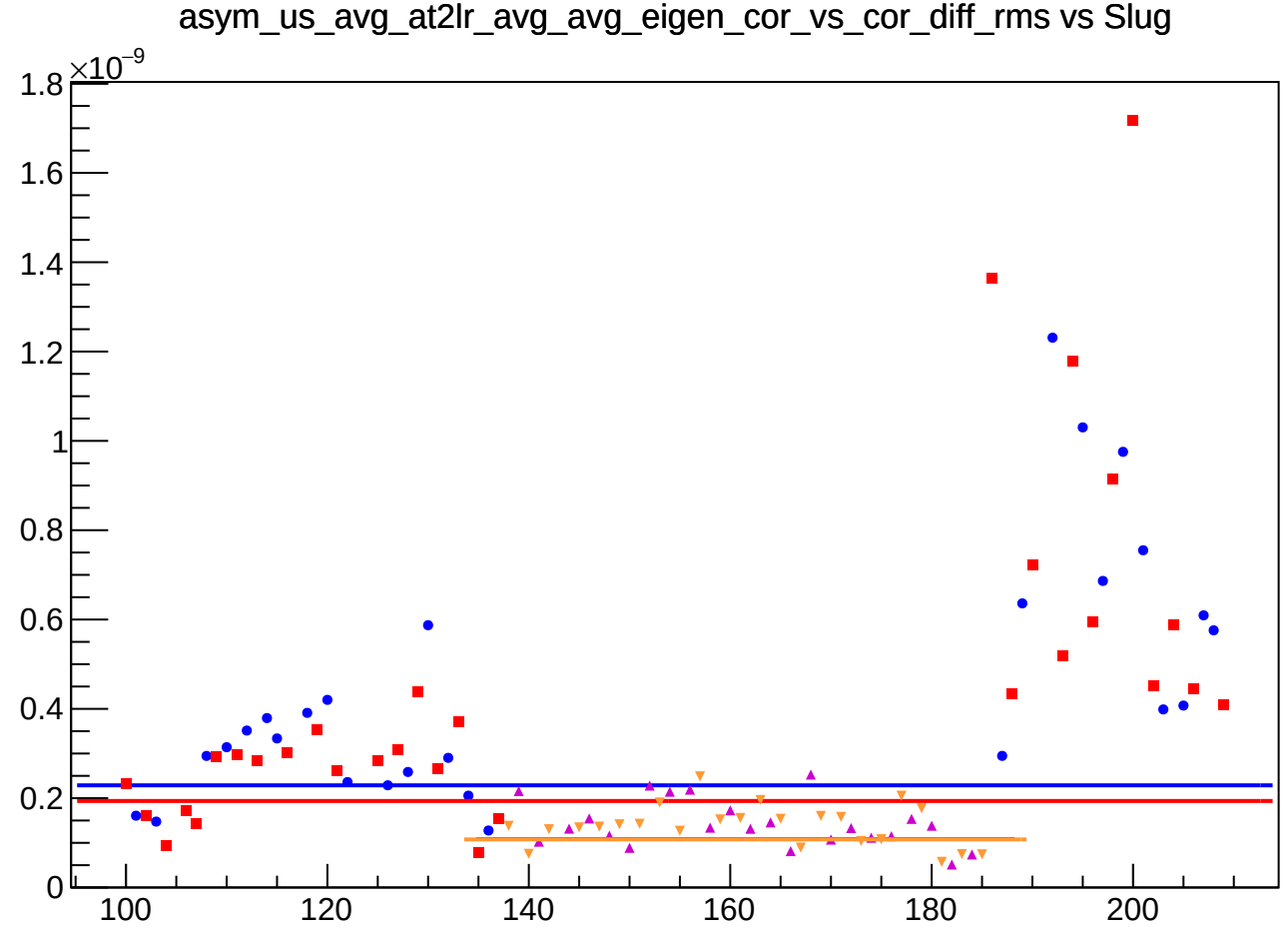
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/29

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.2/50

All: 0.000+/-0.000 χ^2/NDF: 77.3/103

- sign 0.000+/-0.000 χ^2/NDF: 43.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6056274.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7583307.8/29

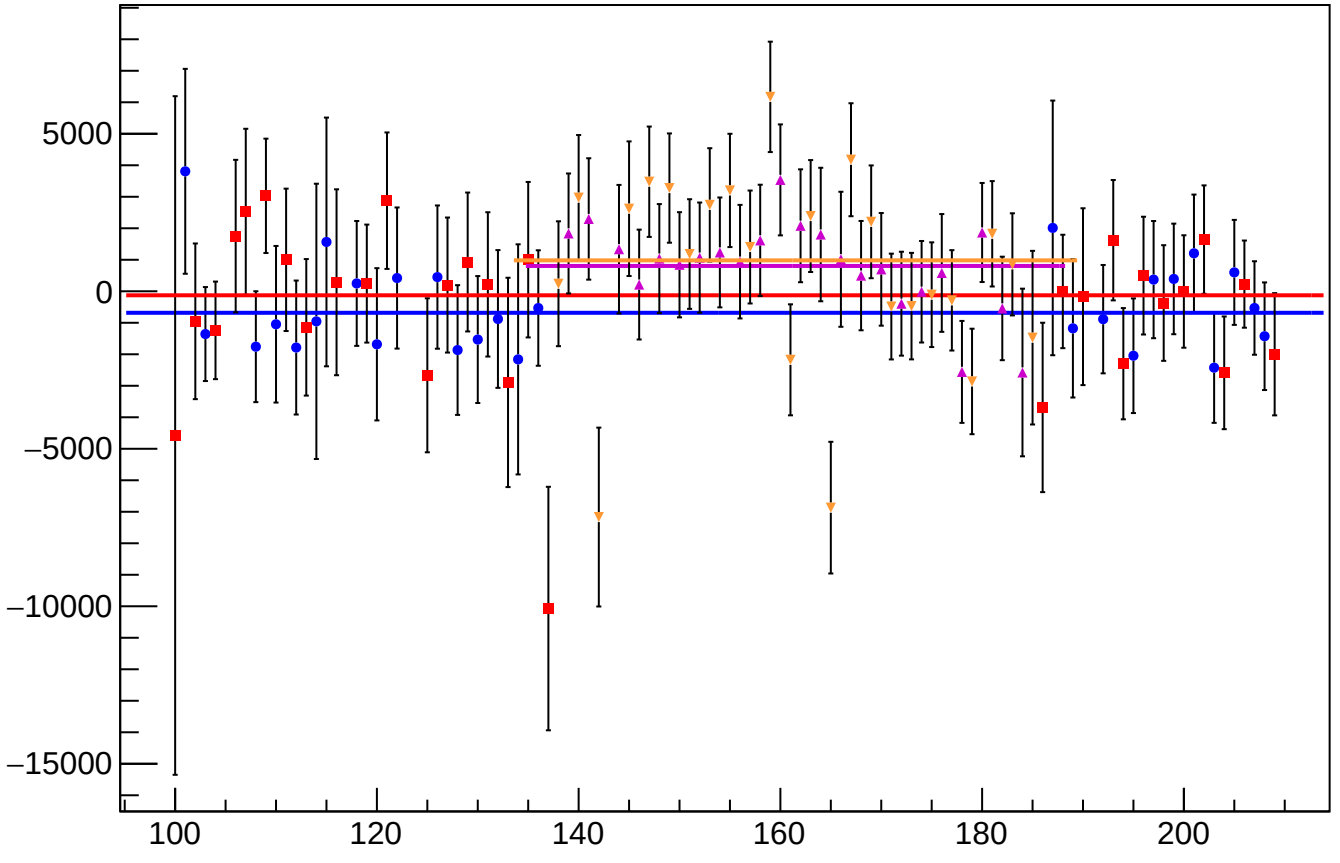
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12631314.4/50

All: 0.000+/-0.000 χ^2/NDF: 25986399.9/103

- sign 0.000+/-0.000 χ^2/NDF: 13354030.8/52

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.239+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -127.345+/-382.475 χ^2/NDF: 25.0/29

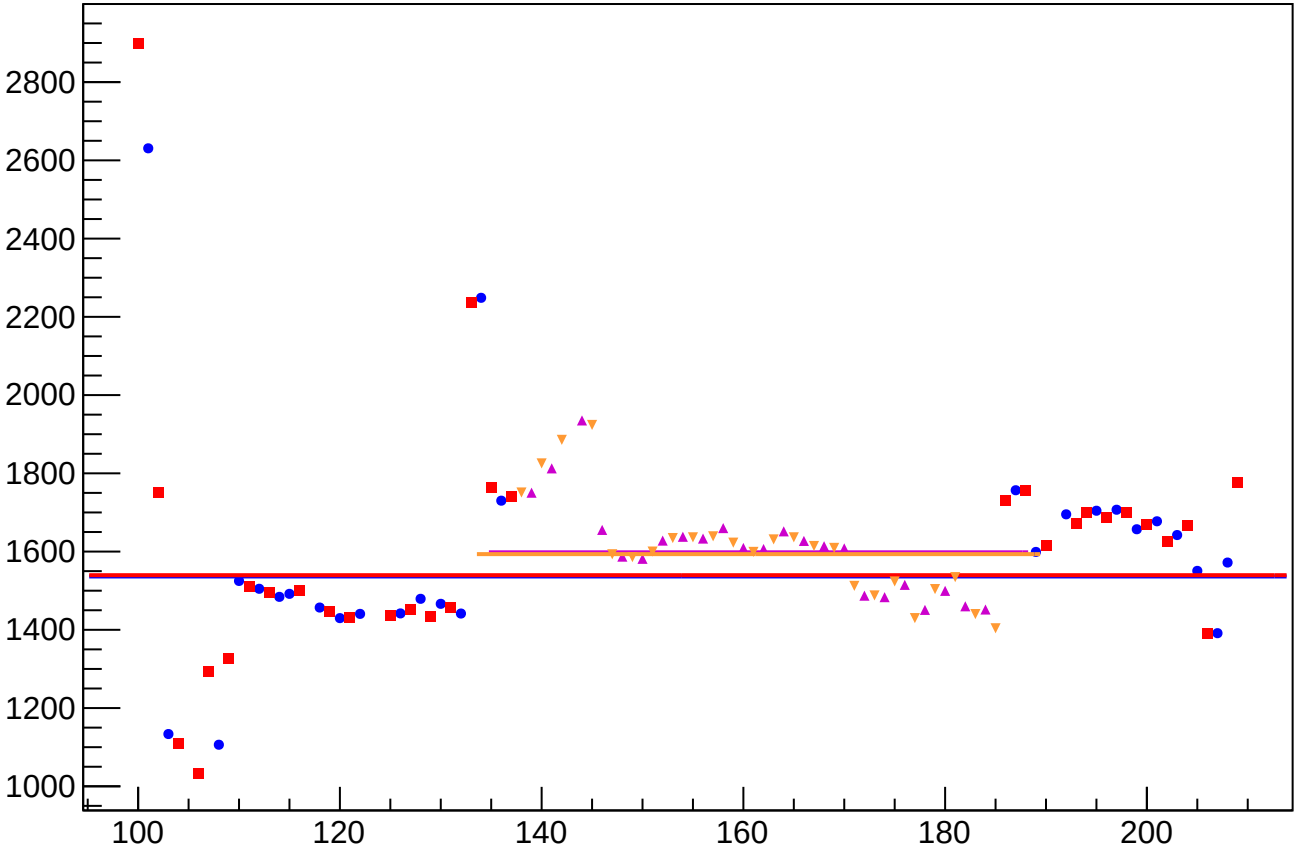
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 193.224+/-269.071 χ^2/NDF: 74.3/50

All: 271.403+/-189.678 χ^2/NDF: 114.9/103

- sign 348.631+/-267.428 χ^2/NDF: 40.4/52

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF: 719794.9/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

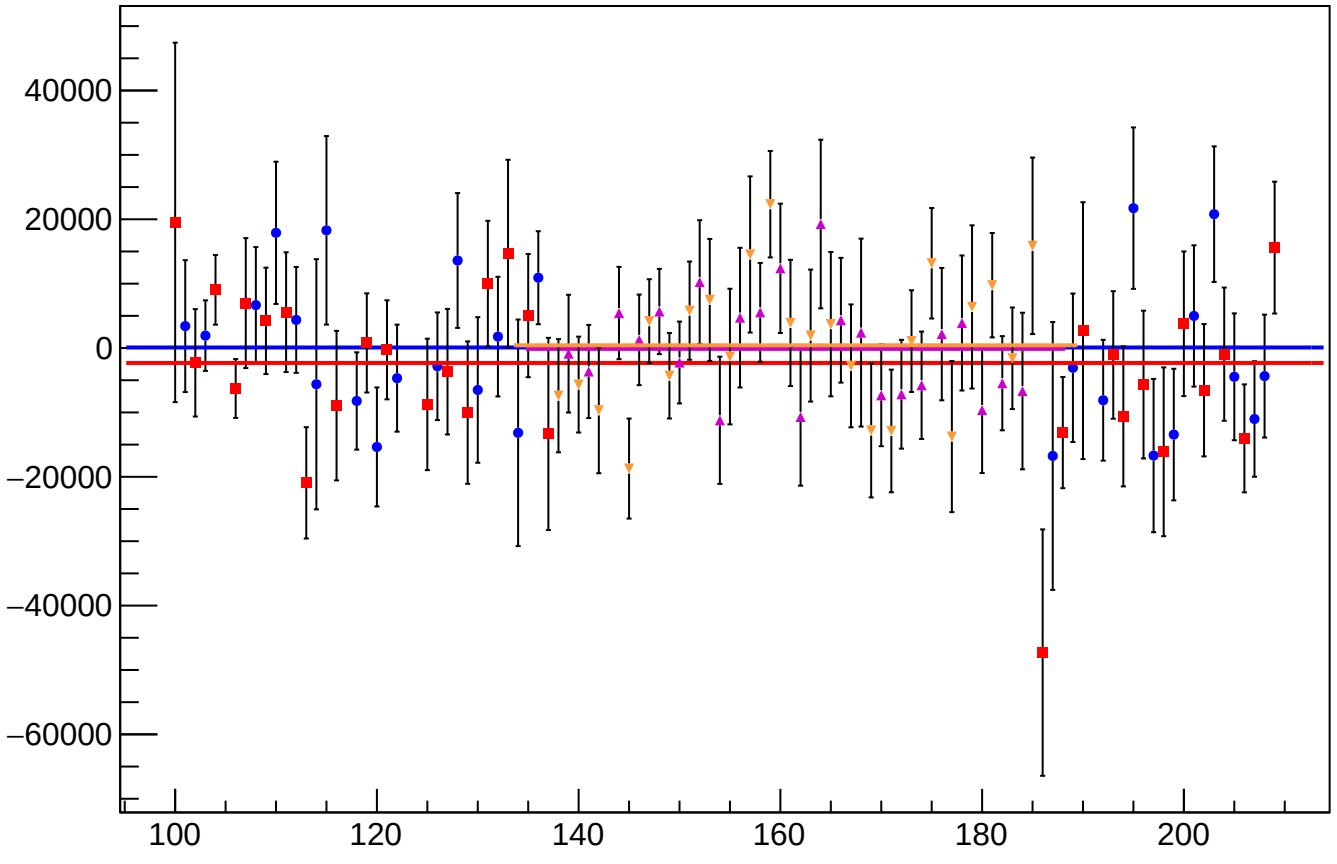
Right Out: 1539.641+/-0.269 χ^2/NDF: 667180.8/29

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.441+/-0.190 χ^2/NDF: 929864.6/50

All: 1567.944+/-0.134 χ^2/NDF: 1790311.4/10

- sign 1569.424+/-0.189 χ^2/NDF: 860322.9/52



Right In: 87.672+/-1858.156 χ^2/NDF: 28.8/26

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

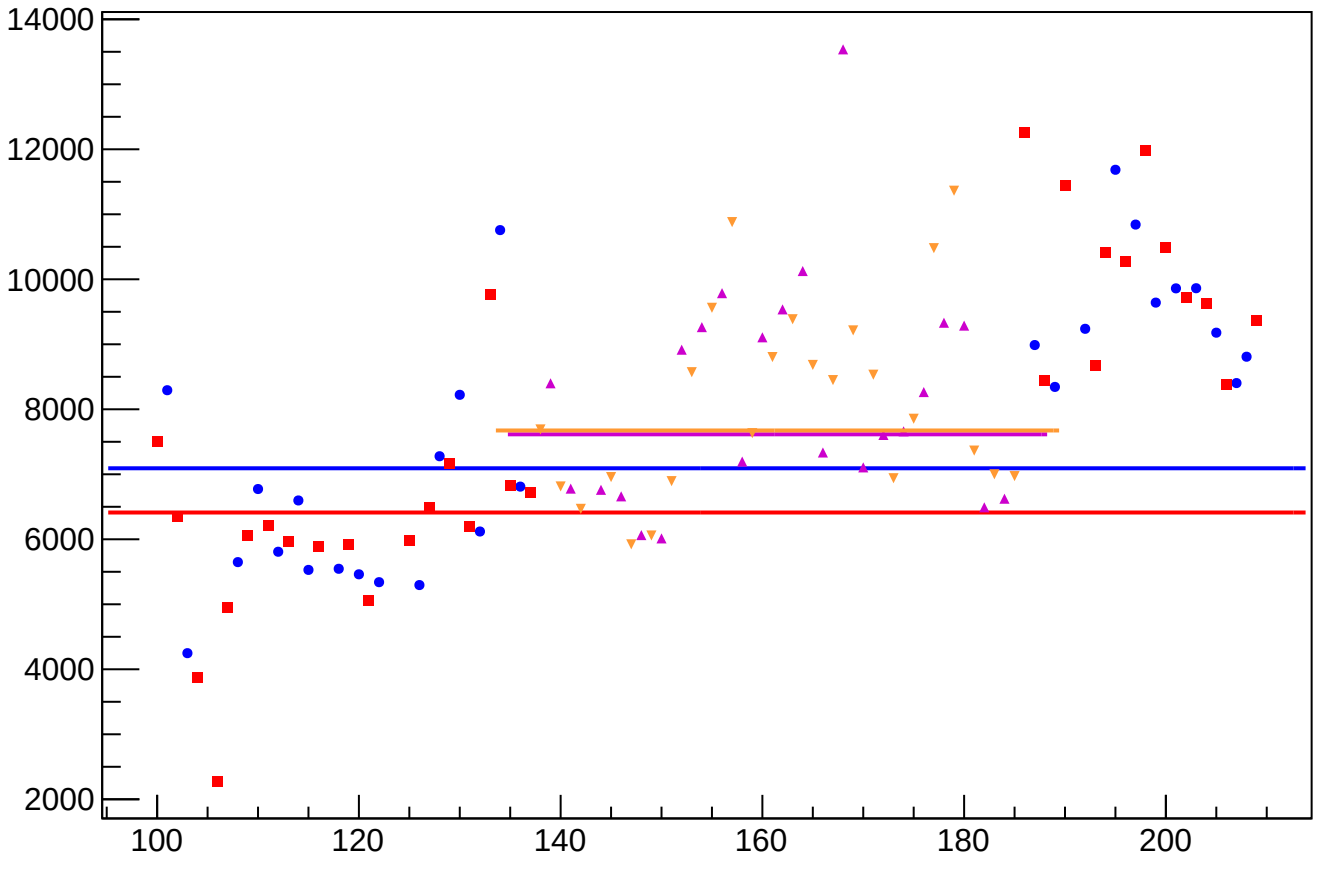
Right Out: -2314.000+/-1694.298 χ^2/NDF: 32.6/29

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 260.715+/-1300.170 χ^2/NDF: 58.2/50

All: -555.056+/-896.750 χ^2/NDF: 106.2/103

- sign -1295.237+/-1238.470 χ^2/NDF: 47.2/52



Right In: 7092.424+/-1.314 χ^2/NDF: 2350735.1/26

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6411.952+/-1.198 χ^2/NDF: 4660457.9/29

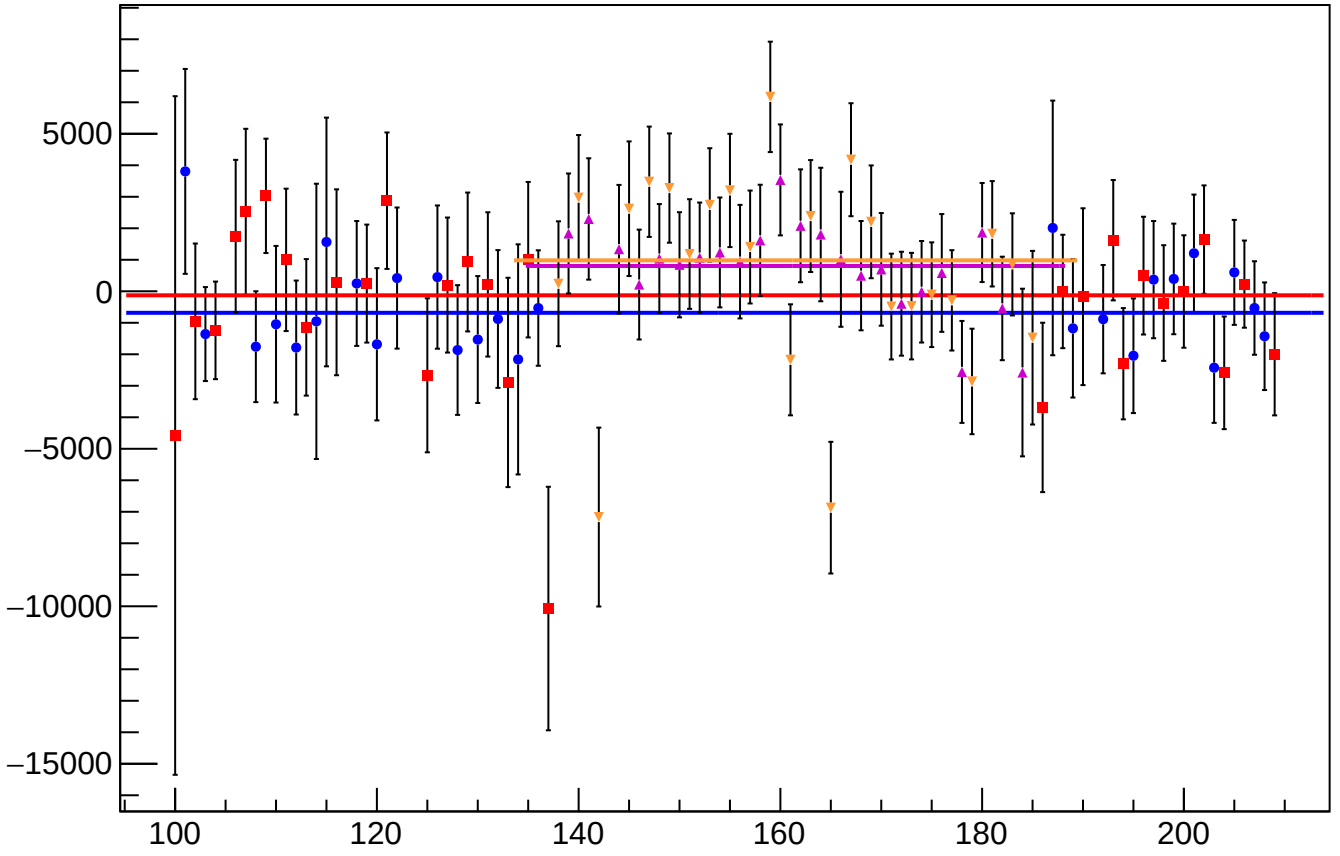
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7389.294+/-0.919 χ^2/NDF: 3527468.2/50

All: 7170.611+/-0.634 χ^2/NDF: 9989929.7/10

- sign 6972.190+/-0.876 χ^2/NDF: 6354544.1/52

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -127.392+/-382.475 χ^2/NDF: 25.0/29

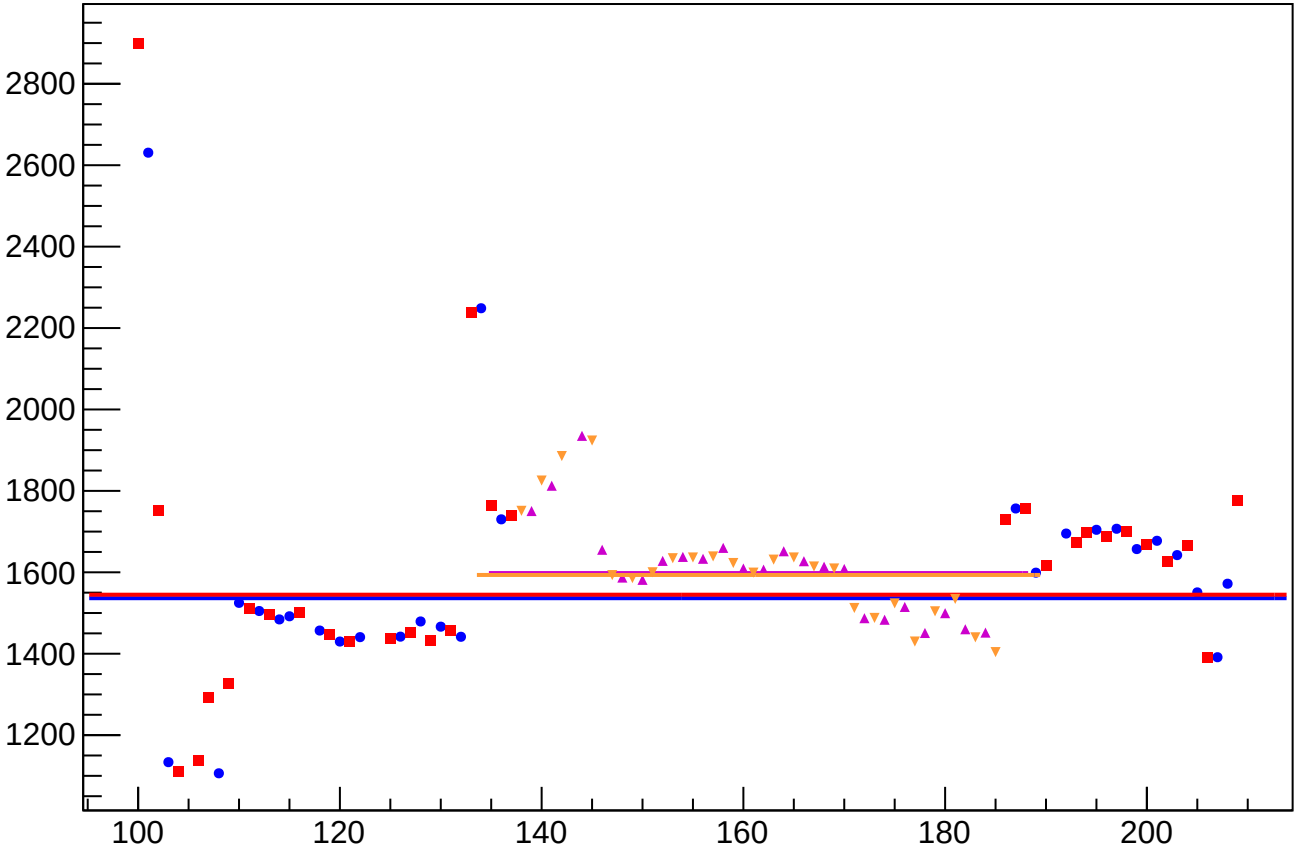
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 193.236+/-269.071 χ^2/NDF: 74.3/50

All: 271.366+/-189.678 χ^2/NDF: 114.9/103

- sign 348.545+/-267.428 χ^2/NDF: 40.4/52

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

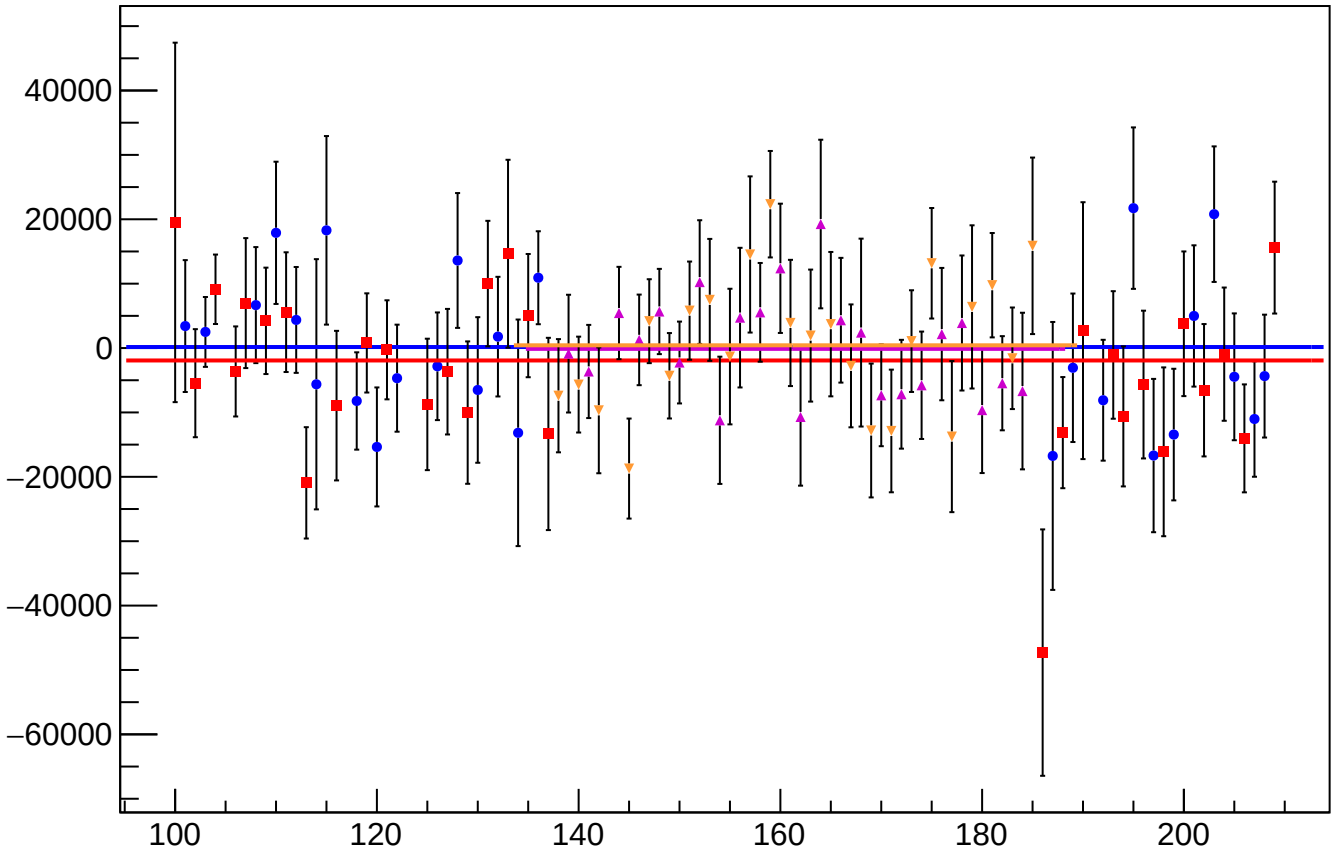
Right Out: 1544.997+/-0.270 χ^2/NDF: 614128.1/29

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.441+/-0.190 χ^2/NDF: 929865.1/50

All: 1569.299+/-0.134 χ^2/NDF: 1733340.4/10

- sign 1572.119+/-0.189 χ^2/NDF: 803027.0/52



Right In: 158.787+/-1856.082 χ^2/NDF: 28.9/26

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

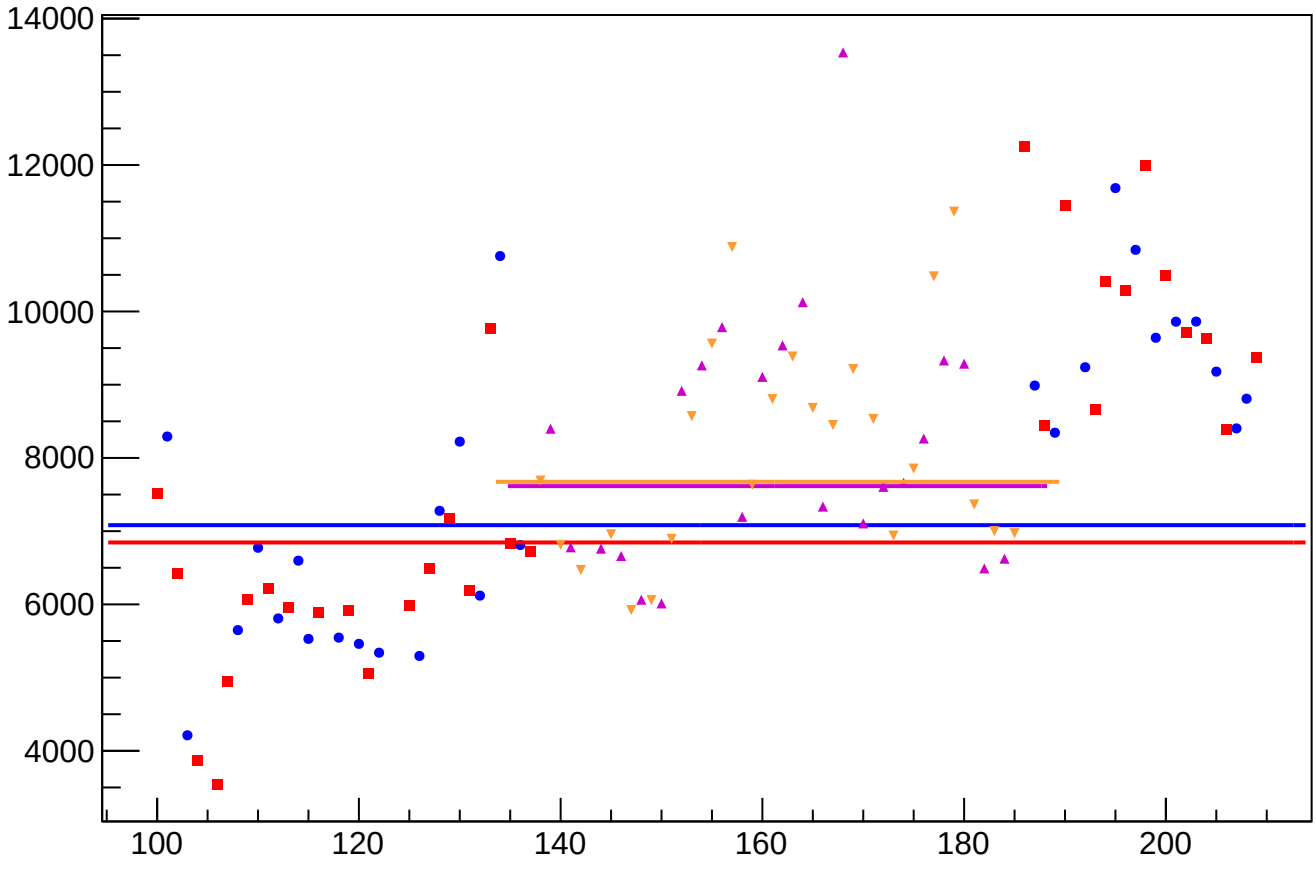
Right Out: -1928.852+/-1764.995 χ^2/NDF: 32.1/29

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 295.383+/-1299.459 χ^2/NDF: 58.3/50

All: -396.615+/-906.535 χ^2/NDF: 105.3/103

- sign -1052.700+/-1265.291 χ^2/NDF: 46.4/52



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

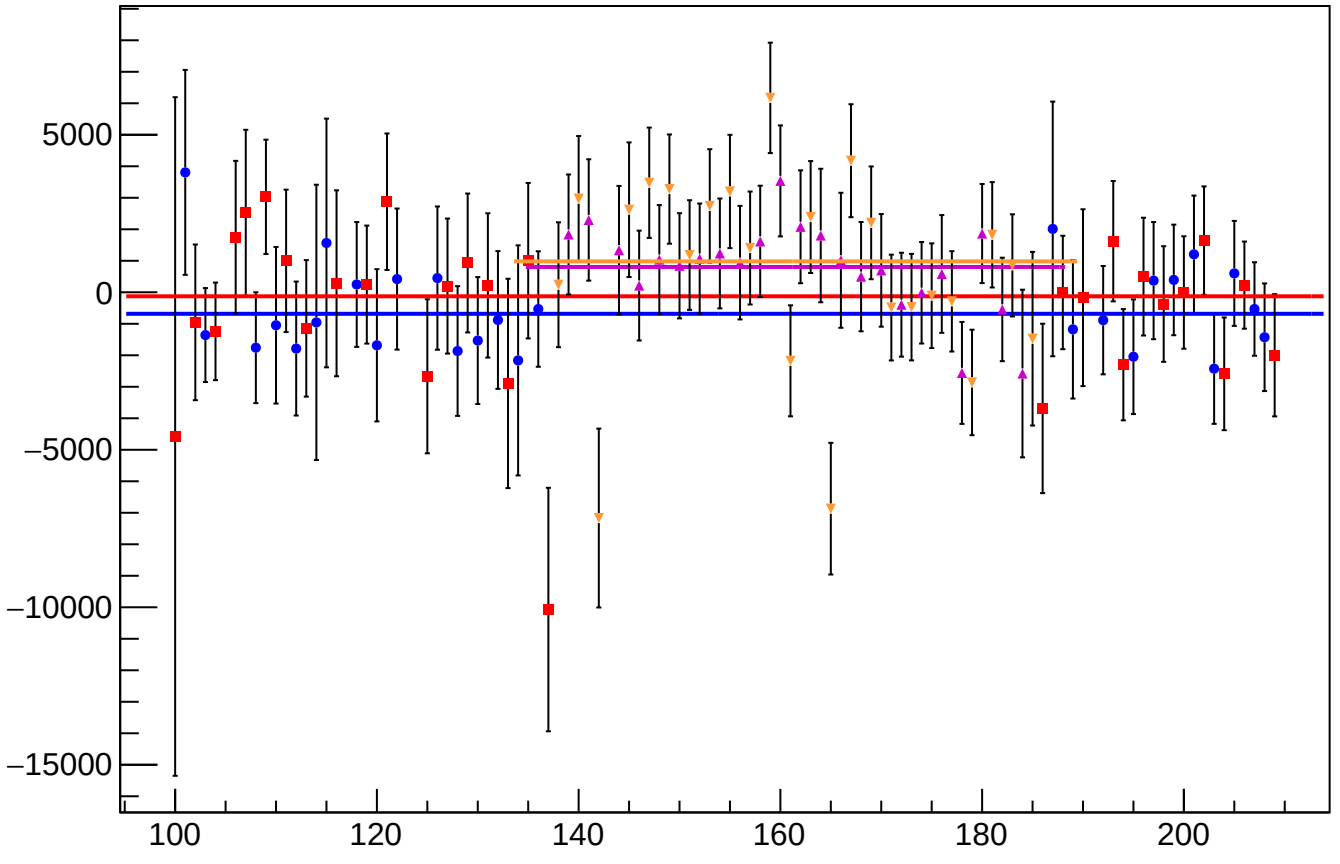
Right Out: 6845.736+/-1.248 χ^2/NDF: 3243677.4/29

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

\+ sign 7383.808+/-0.919 χ^2/NDF: 3555501.4/50

All: 7299.539+/-0.641 χ^2/NDF: 8224745.2/10

\- sign 7219.644+/-0.895 χ^2/NDF: 4652858.8/52



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -127.392+/-382.475 χ^2/NDF: 25.0/29

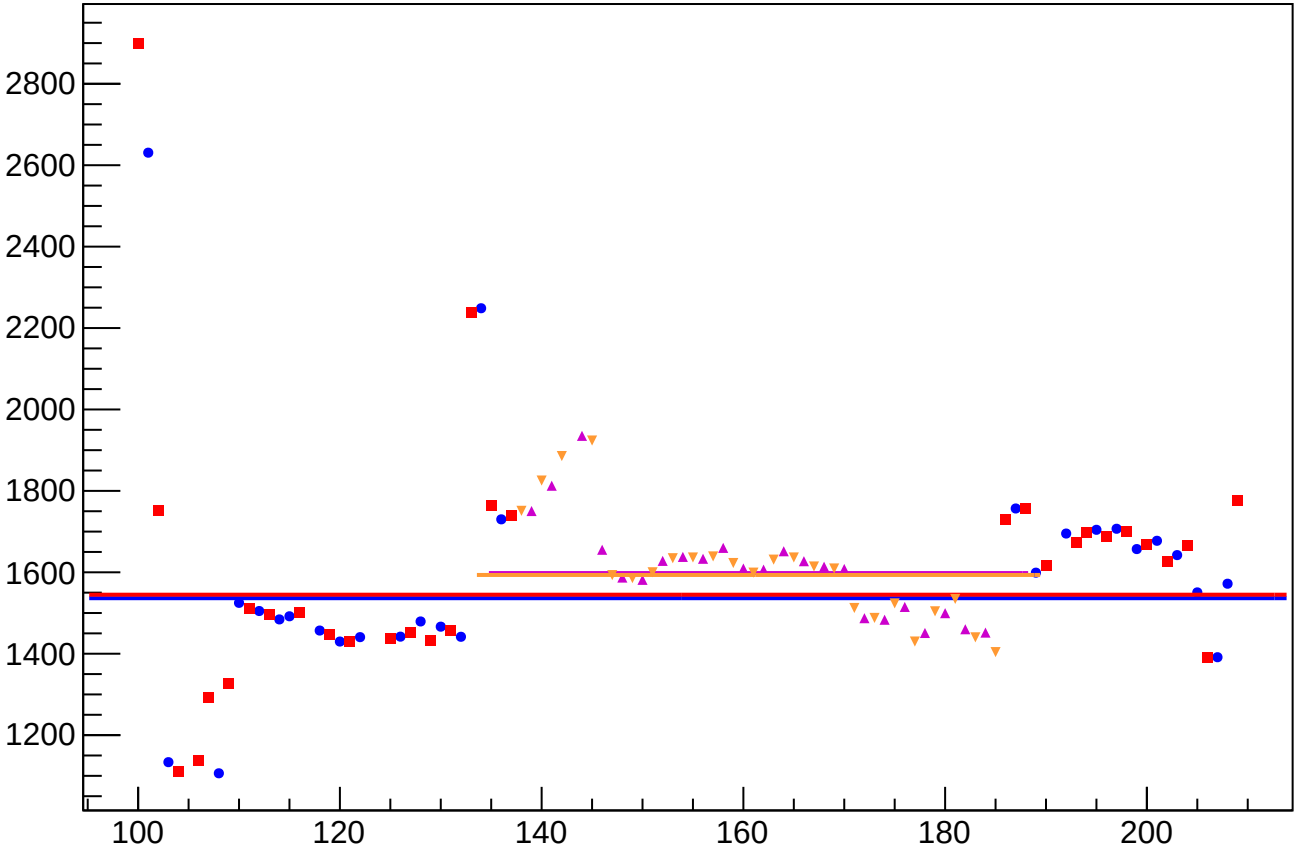
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 193.236+/-269.071 χ^2/NDF: 74.3/50

All: 271.366+/-189.678 χ^2/NDF: 114.9/103

\- sign 348.545+/-267.428 χ^2/NDF: 40.4/52

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

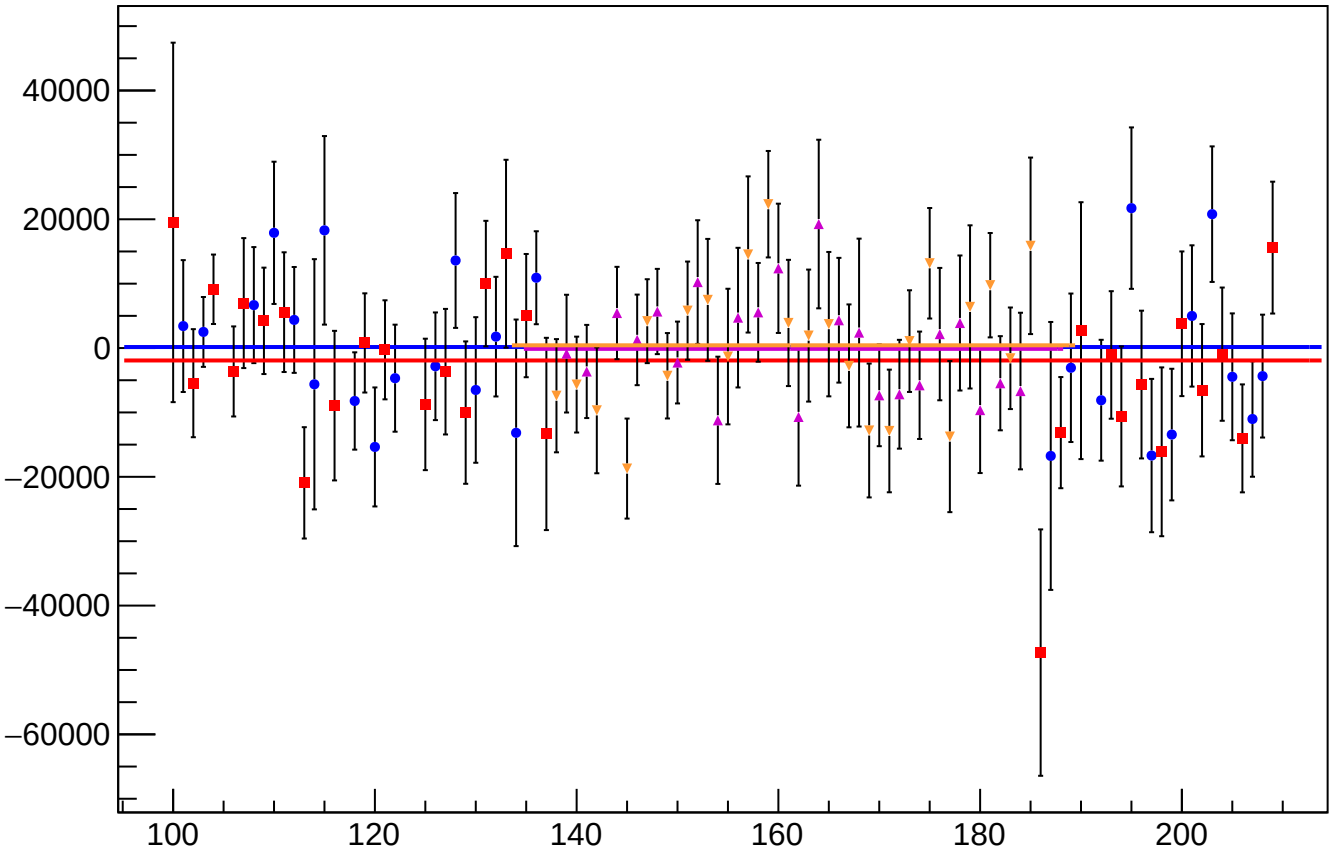
Right Out: 1544.997+/-0.270 χ^2/NDF: 614128.1/29

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1566.441+/-0.190 χ^2/NDF: 929865.1/50

All: 1569.299+/-0.134 χ^2/NDF: 1733340.4/10

- sign 1572.119+/-0.189 χ^2/NDF: 803027.0/52



Right In: 158.787+/-1856.082 χ^2/NDF: 28.9/26

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

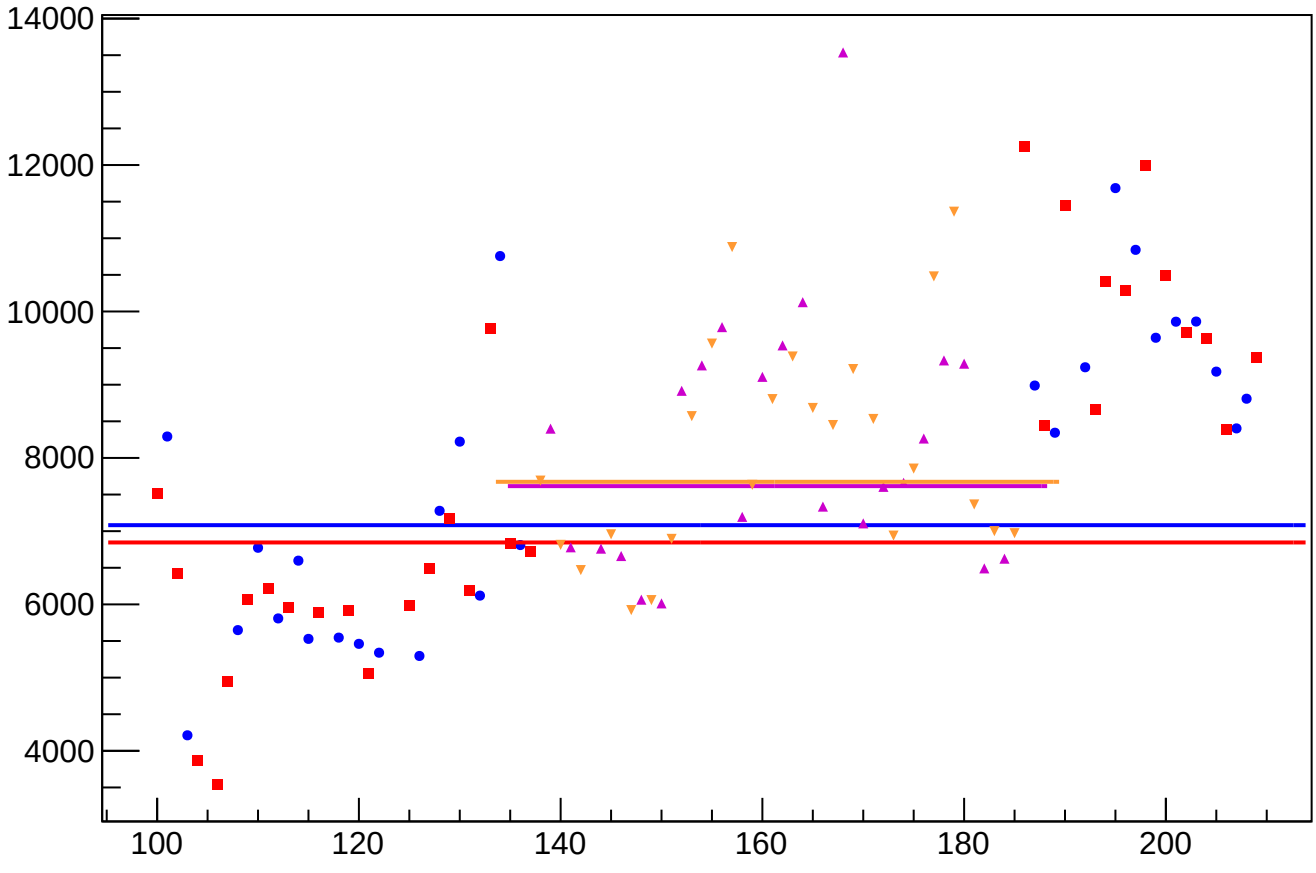
Right Out: -1928.852+/-1764.995 χ^2/NDF: 32.1/29

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 295.383+/-1299.459 χ^2/NDF: 58.3/50

All: -396.615+/-906.535 χ^2/NDF: 105.3/103

- sign -1052.700+/-1265.291 χ^2/NDF: 46.4/52



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

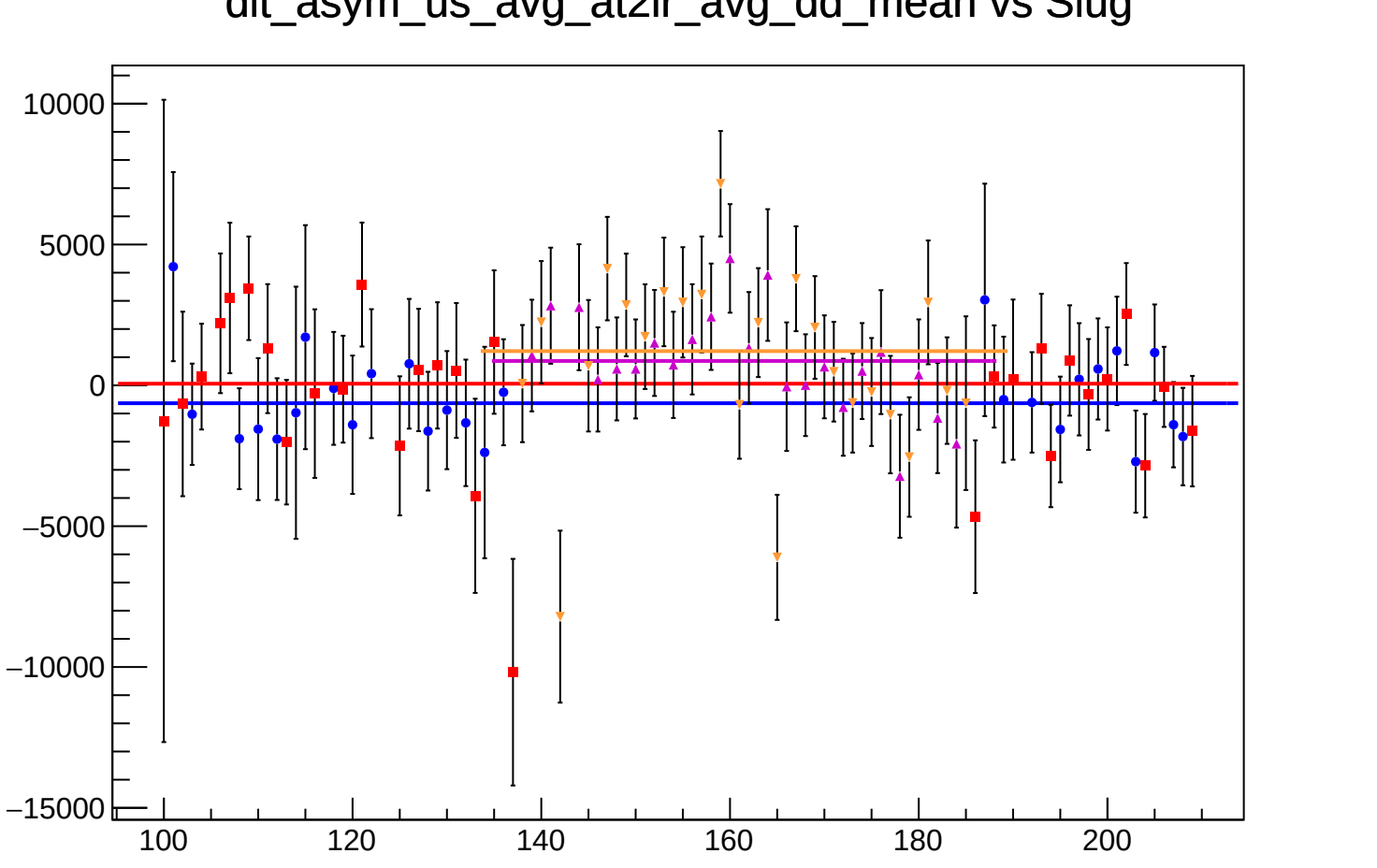
Right Out: 6845.736+/-1.248 χ^2/NDF: 3243677.4/29

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

\+ sign 7383.808+/-0.919 χ^2/NDF: 3555501.4/50

All: 7299.539+/-0.641 χ^2/NDF: 8224745.2/10

\- sign 7219.644+/-0.895 χ^2/NDF: 4652858.8/52



Right In: -634.462+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 57.961+/-397.624 χ^2/NDF: 29.2/29

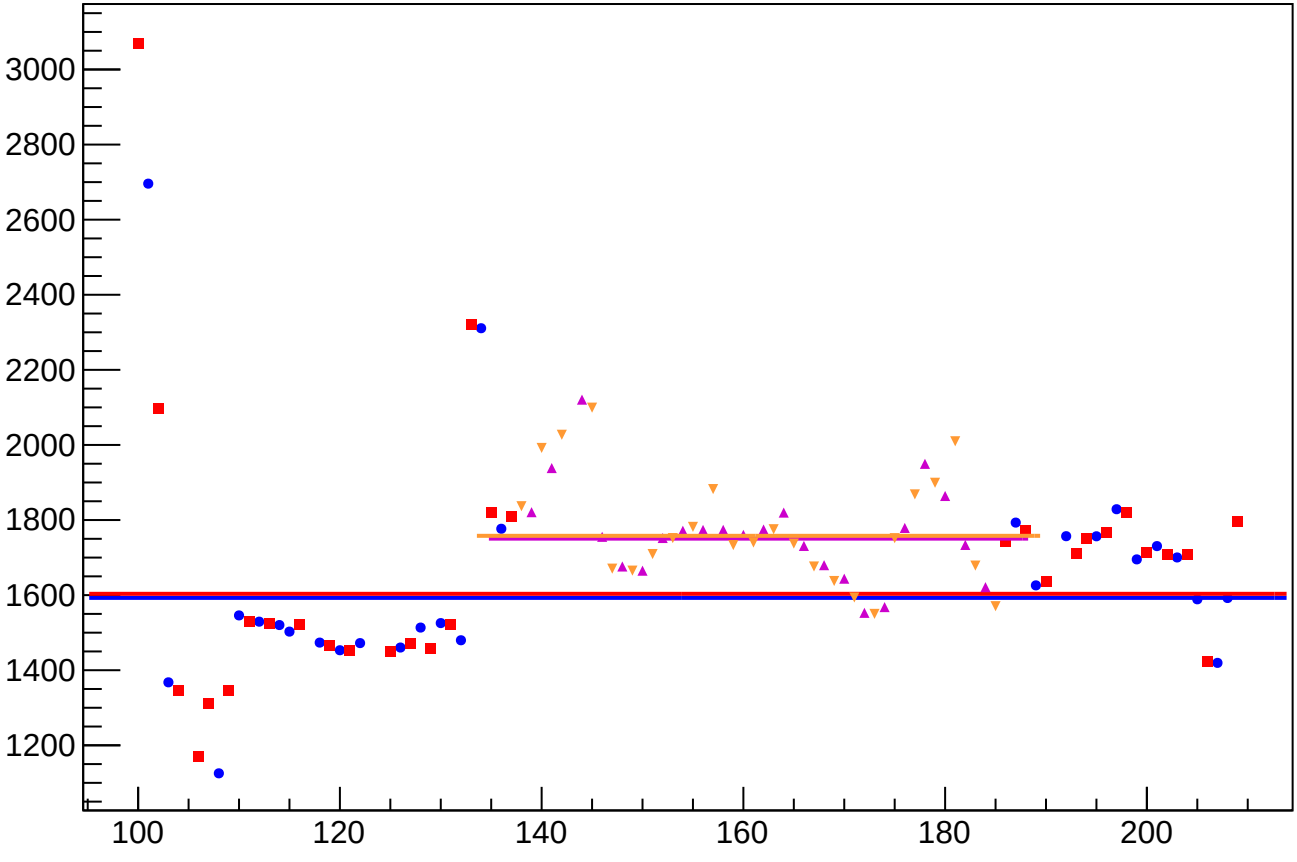
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 279.878+/-287.961 χ^2/NDF: 69.3/50

All: 365.469+/-202.726 χ^2/NDF: 115.8/103

- sign 449.573+/-285.450 χ^2/NDF: 46.3/52

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1592.694+/-0.286 χ^2/NDF: 630823.5/26

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

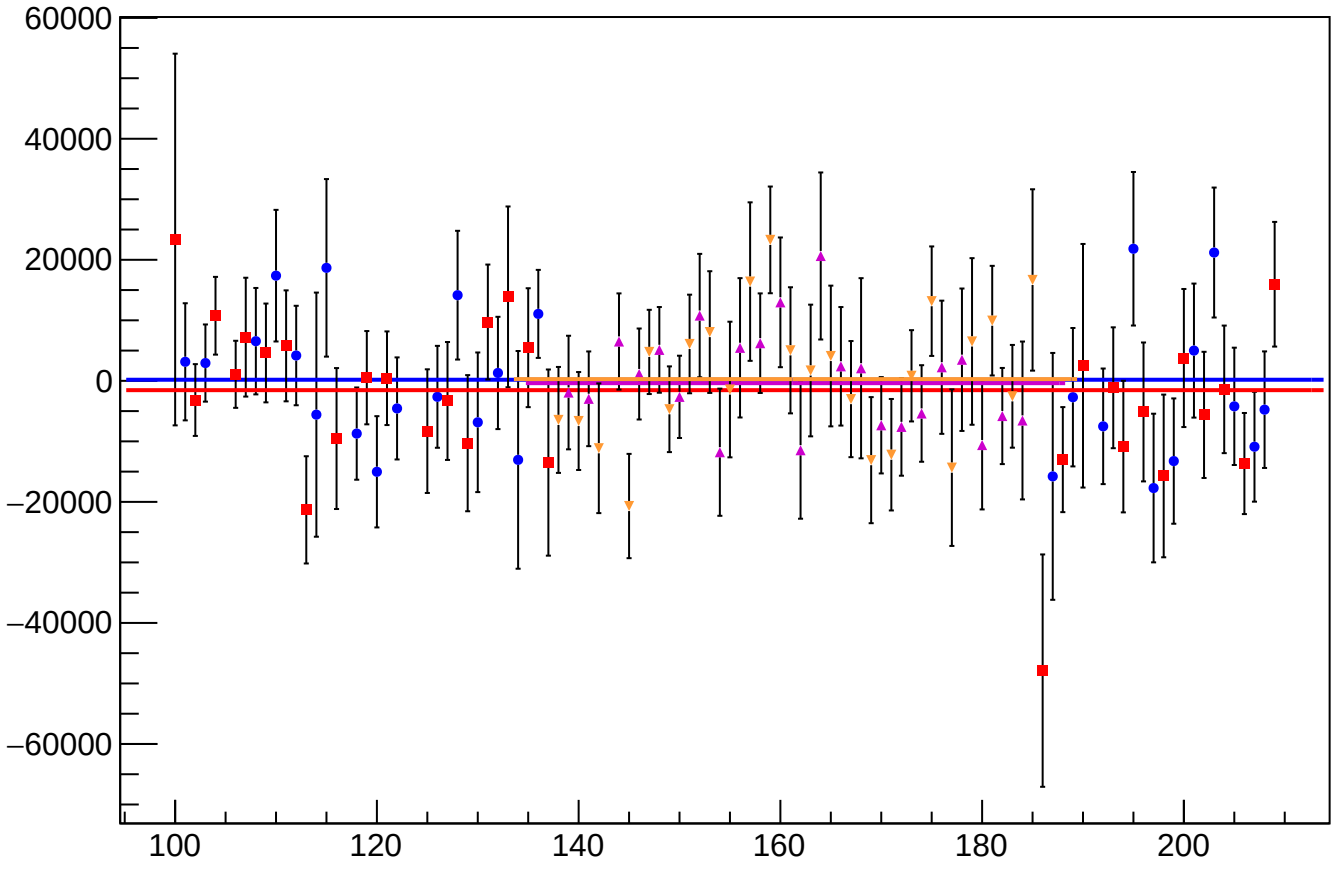
Right Out: 1603.479+/-0.281 χ^2/NDF: 551213.9/29

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1674.386+/-0.204 χ^2/NDF: 1008786.3/50

All: 1674.549+/-0.143 χ^2/NDF: 1864380.1/10

- sign 1674.709+/-0.202 χ^2/NDF: 855592.6/52



Right In: 181.662+/-1891.921 χ^2/NDF: 28.7/26

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

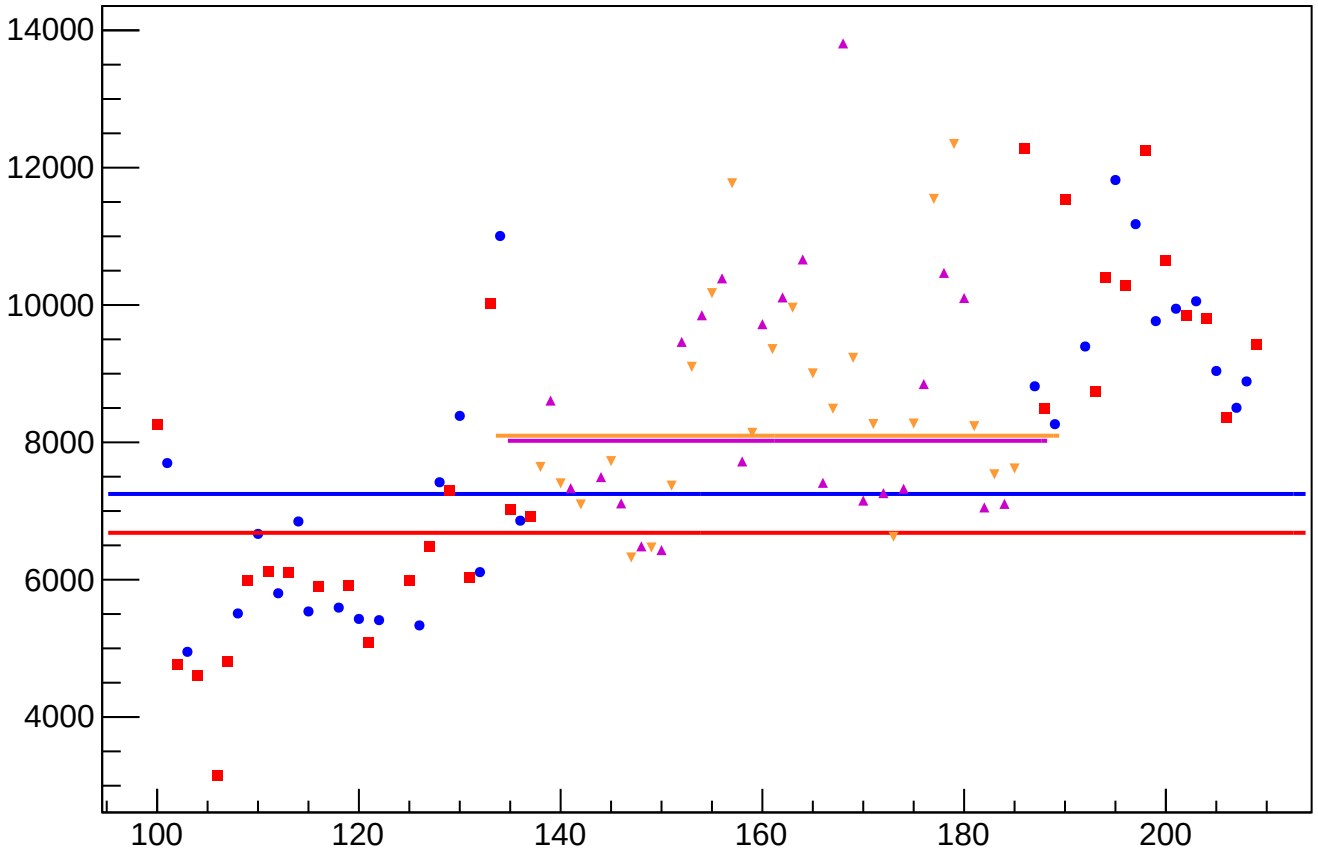
Right Out: -1539.488+/-1727.276 χ^2/NDF: 31.8/29

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 232.529+/-1347.654 χ^2/NDF: 57.3/50

All: -424.943+/-928.789 χ^2/NDF: 103.4/103

- sign -1019.757+/-1281.829 χ^2/NDF: 45.6/52



Right In: 7248.613+/-1.338 χ^2/NDF: 2083656.3/26

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

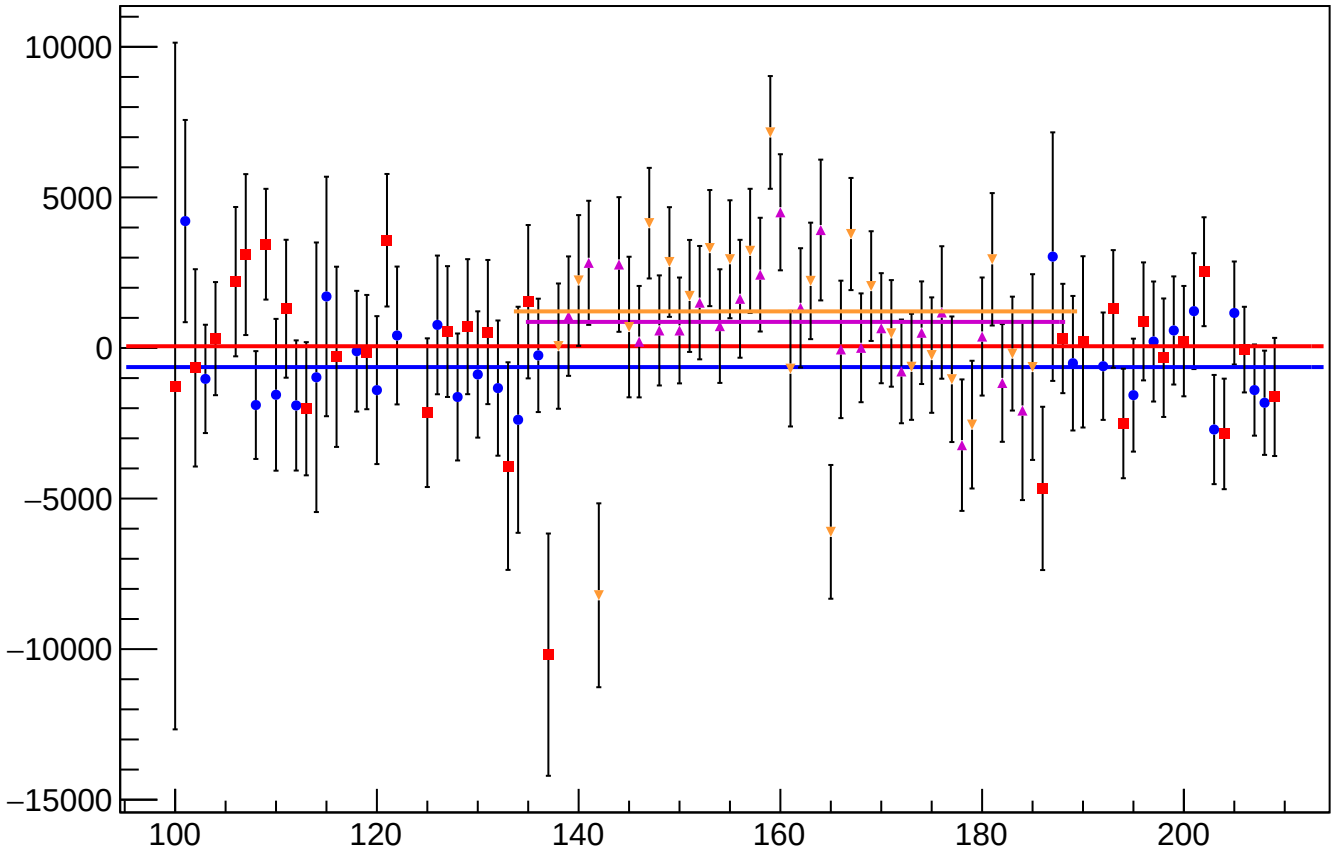
Right Out: 6682.770+/-1.221 χ^2/NDF: 3638718.3/29

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7666.440+/-0.953 χ^2/NDF: 3369473.2/50

All: 7466.059+/-0.657 χ^2/NDF: 8858710.2/10

- sign 7284.775+/-0.906 χ^2/NDF: 5405018.0/52



Right In: -634.461+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 57.964+/-397.624 χ^2/NDF: 29.2/29

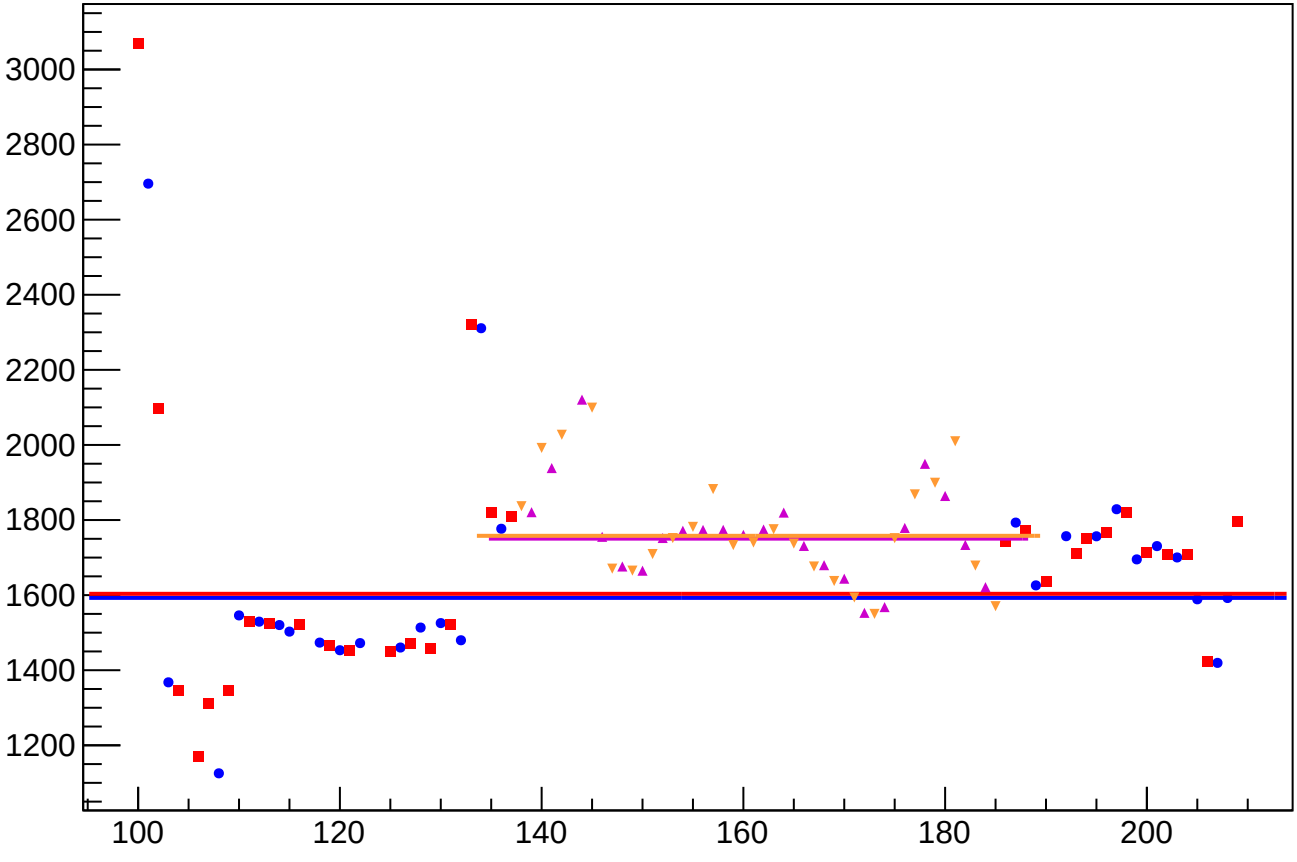
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 279.881+/-287.961 χ^2/NDF: 69.3/50

All: 365.470+/-202.726 χ^2/NDF: 115.8/103

\- sign 449.574+/-285.451 χ^2/NDF: 46.3/52

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1592.695+/-0.286 χ^2/NDF: 630823.4/26

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

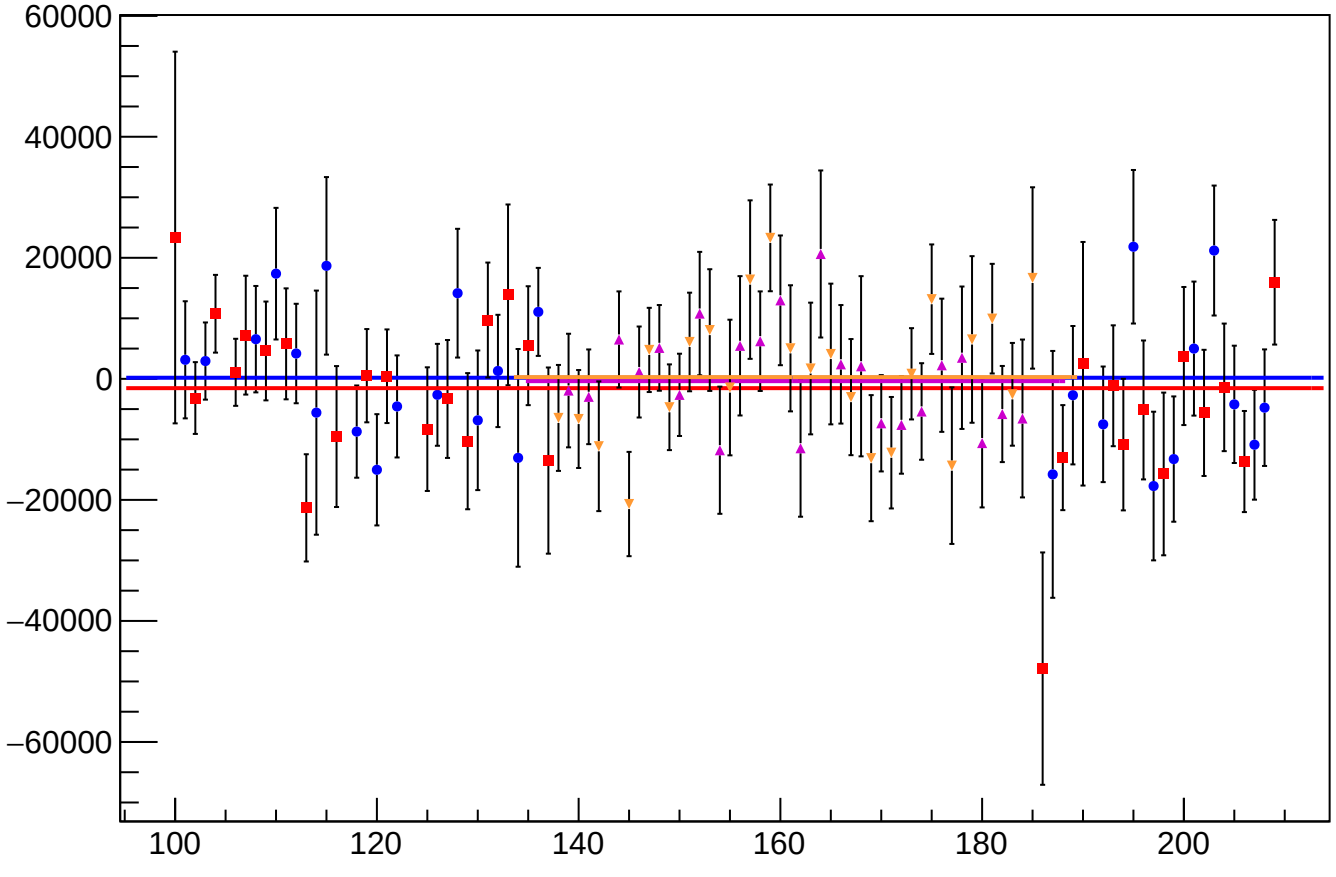
Right Out: 1603.479+/-0.281 χ^2/NDF: 551215.5/29

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1674.387+/-0.204 χ^2/NDF: 1008799.3/50

All: 1674.550+/-0.143 χ^2/NDF: 1864407.1/10

- sign 1674.710+/-0.202 χ^2/NDF: 855606.5/52



Right In: 181.654+/-1891.919 χ^2/NDF: 28.7/26

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

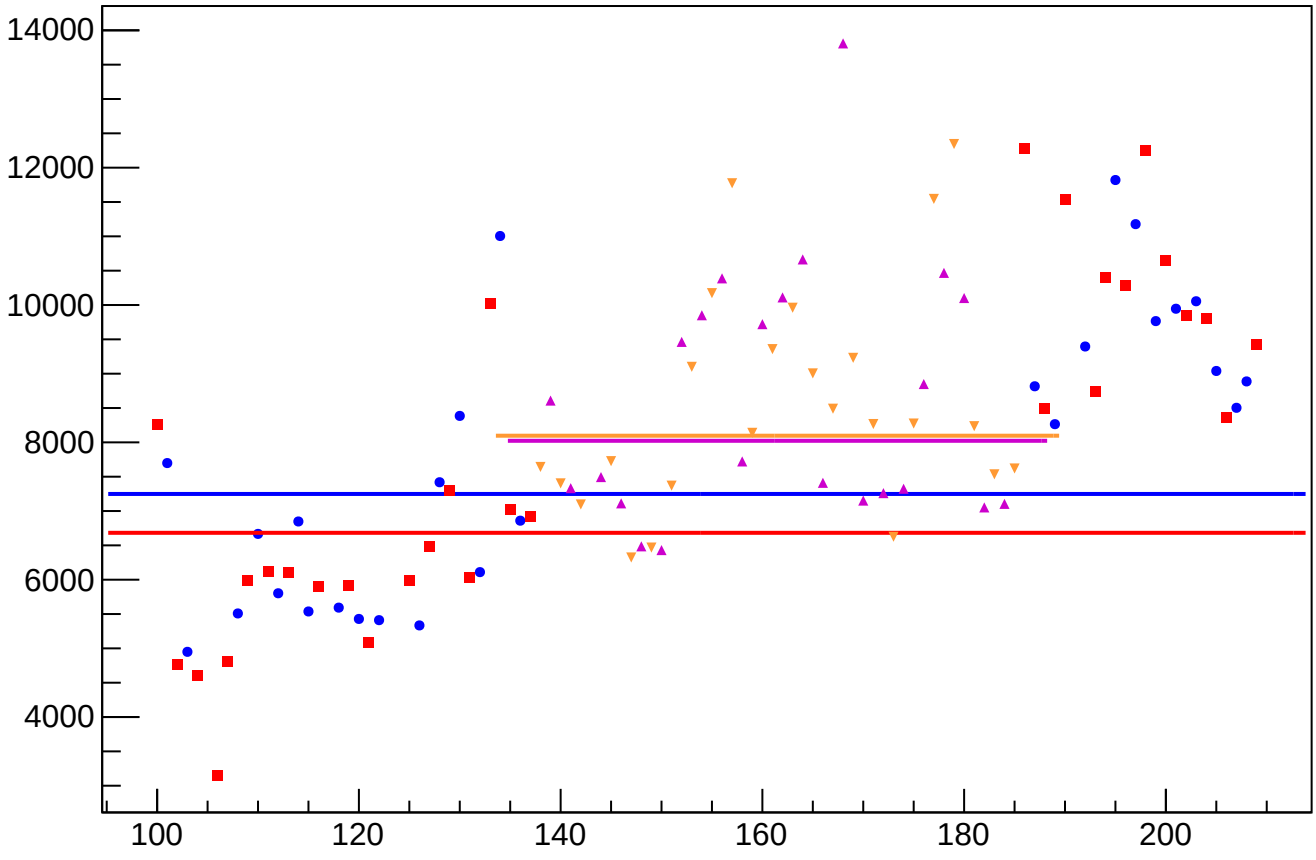
Right Out: -1539.477+/-1727.274 χ^2/NDF: 31.8/29

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 232.526+/-1347.655 χ^2/NDF: 57.3/50

All: -424.944+/-928.789 χ^2/NDF: 103.4/103

- sign -1019.754+/-1281.829 χ^2/NDF: 45.6/52



Right In: 7248.604+/-1.338 χ^2/NDF: 2083683.4/26

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6682.761+/-1.221 χ^2/NDF: 3638744.8/29

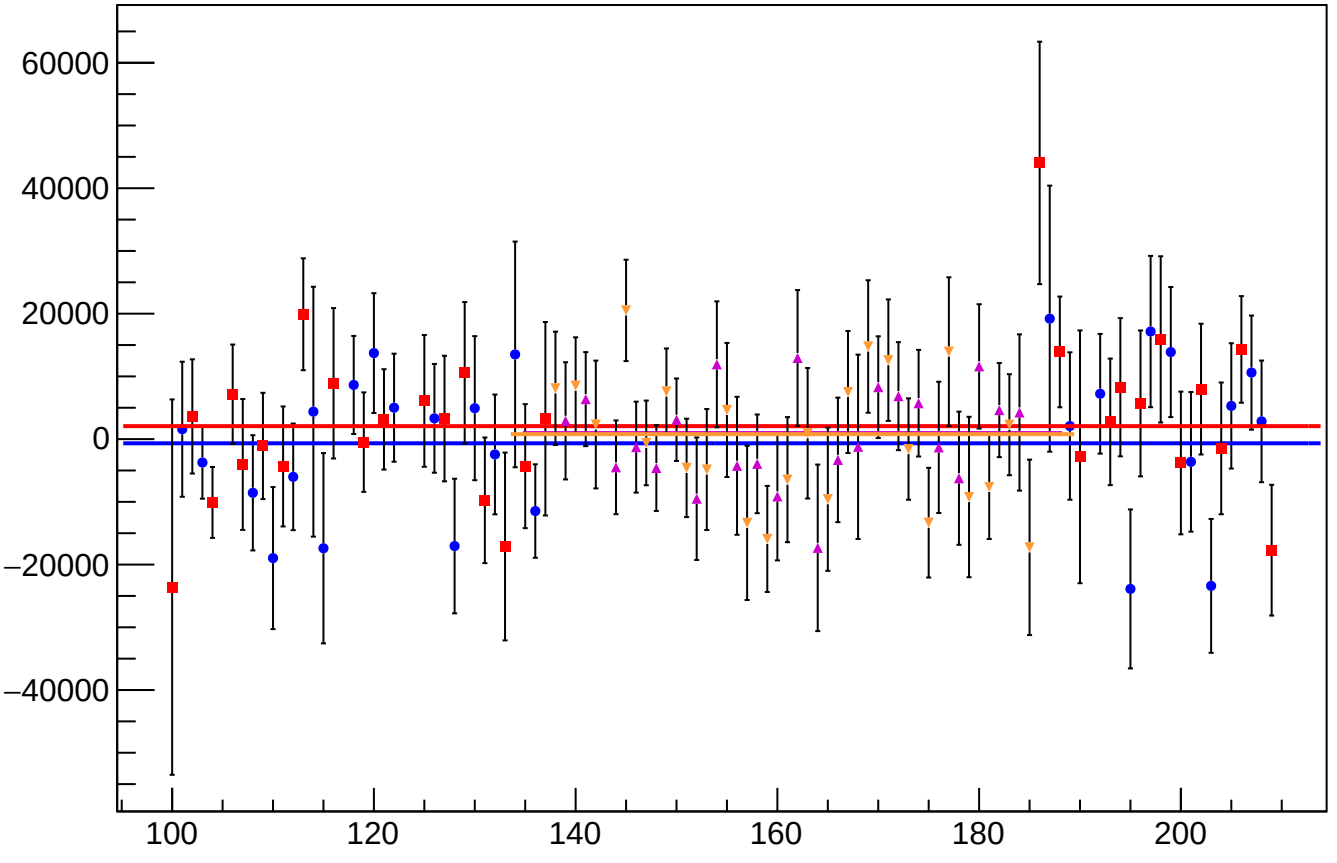
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7666.440+/-0.953 χ^2/NDF: 3369512.8/50

All: 7466.058+/-0.657 χ^2/NDF: 8858798.4/10

- sign 7284.774+/-0.906 χ^2/NDF: 5405065.7/52

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -664.734+/-1910.805 χ^2/NDF: 30.8/26

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2069.248+/-1827.428 χ^2/NDF: 29.8/29

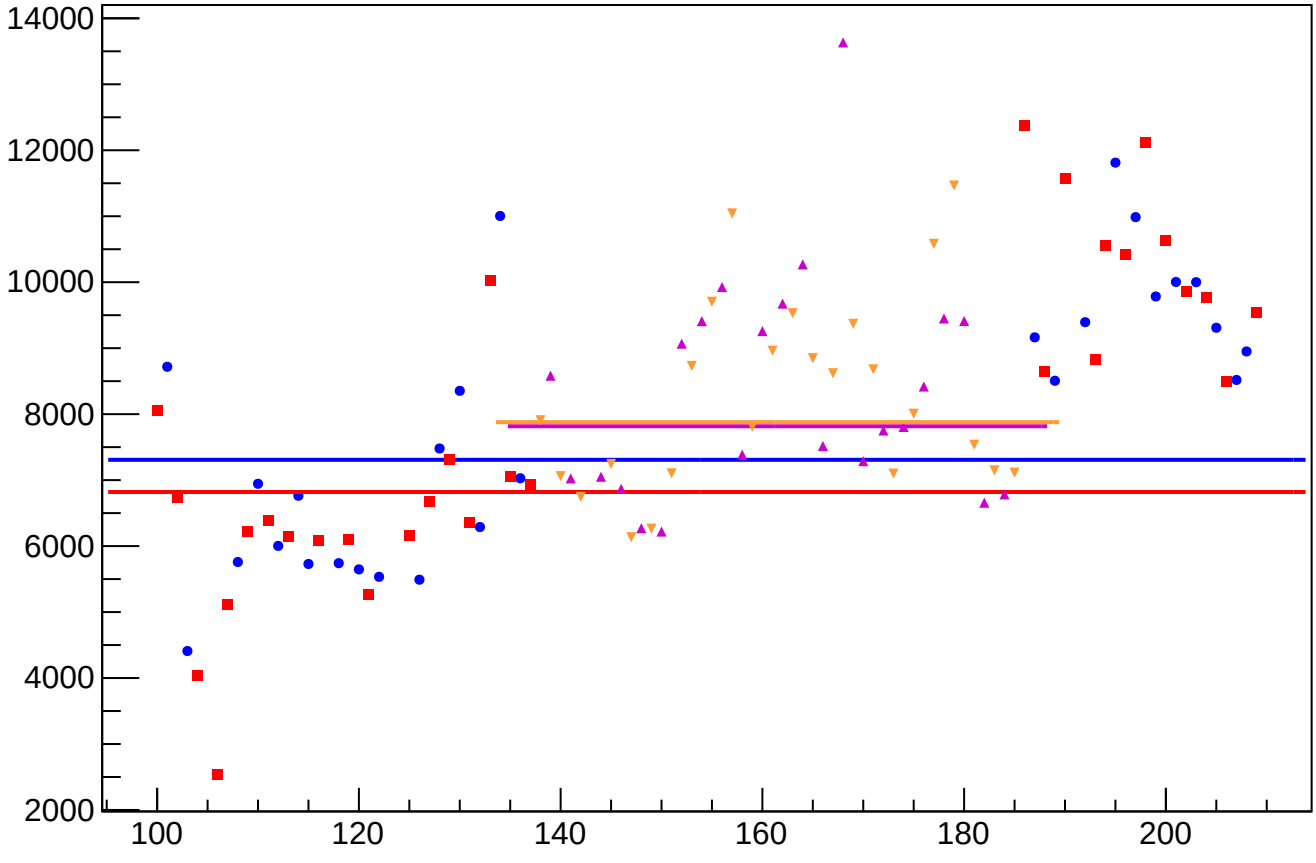
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 80.882+/-1334.695 χ^2/NDF: 58.2/50

All: 820.691+/-932.556 χ^2/NDF: 101.6/103

- sign 1526.348+/-1303.524 χ^2/NDF: 42.8/52

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7308.012+/-1.351 χ^2/NDF: 2210434.9/26

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

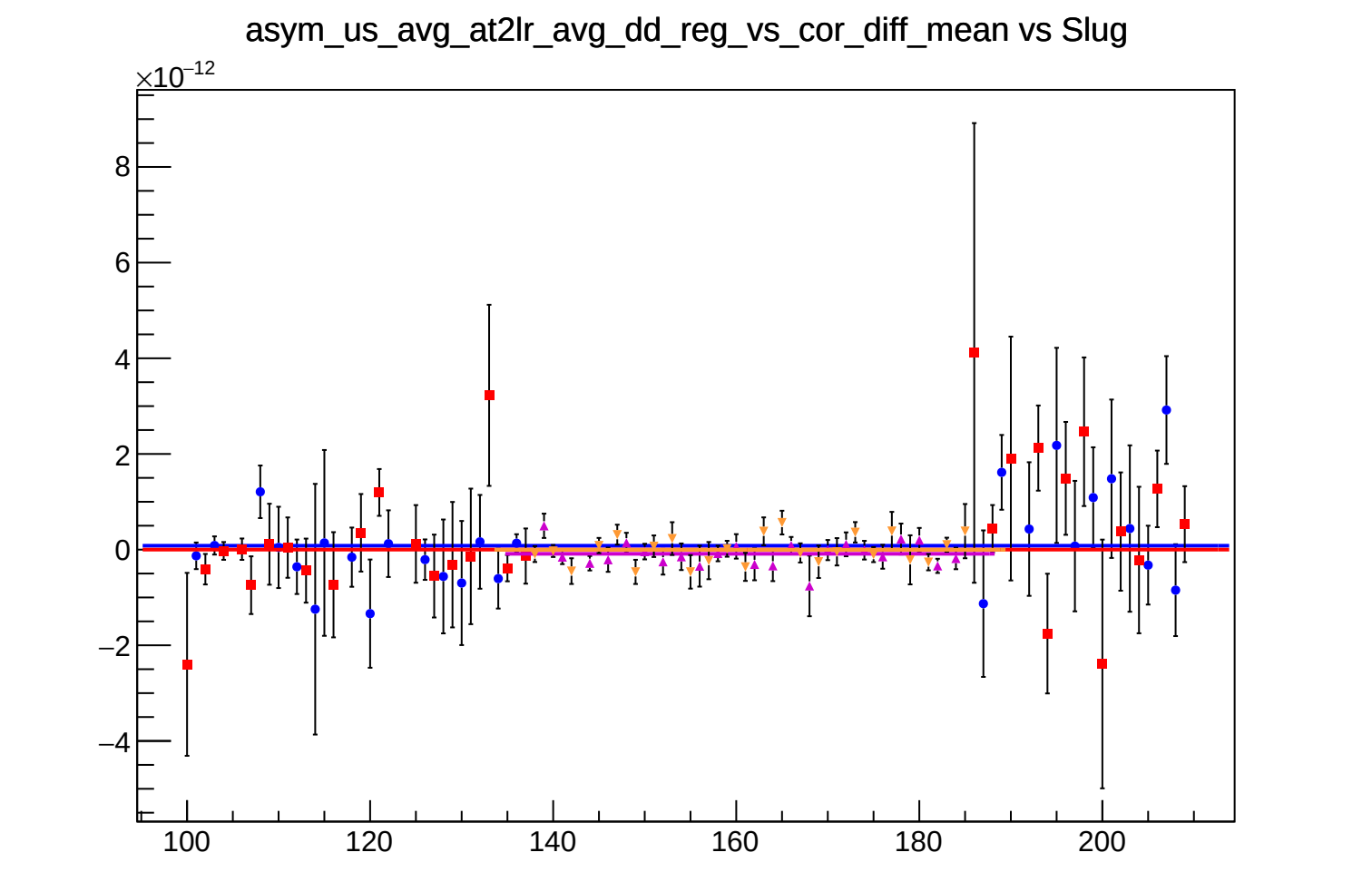
Right Out: 6820.268+/-1.260 χ^2/NDF: 3869943.5/29

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

\+ sign 7600.149+/-0.944 χ^2/NDF: 3291782.5/50

All: 7443.157+/-0.655 χ^2/NDF: 8646545.9/10

\- sign 7297.200+/-0.910 χ^2/NDF: 5301366.7/52


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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6
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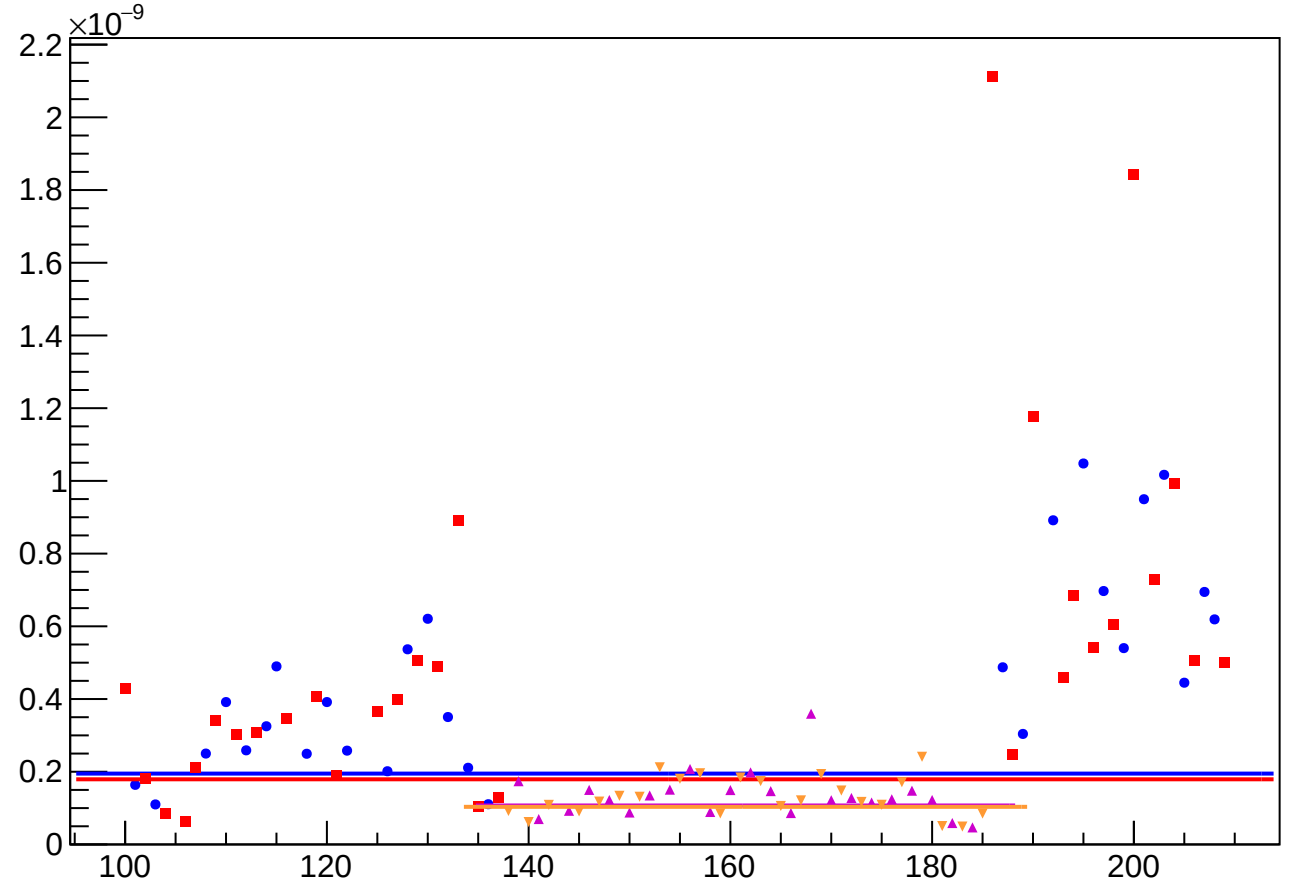
2
0
−2
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.6/26
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.0/29
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 53.8/50
All: -0.000+/-0.000 χ²/NDF: 110.9/103
- sign -0.000+/-0.000 χ²/NDF: 55.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 4828292.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

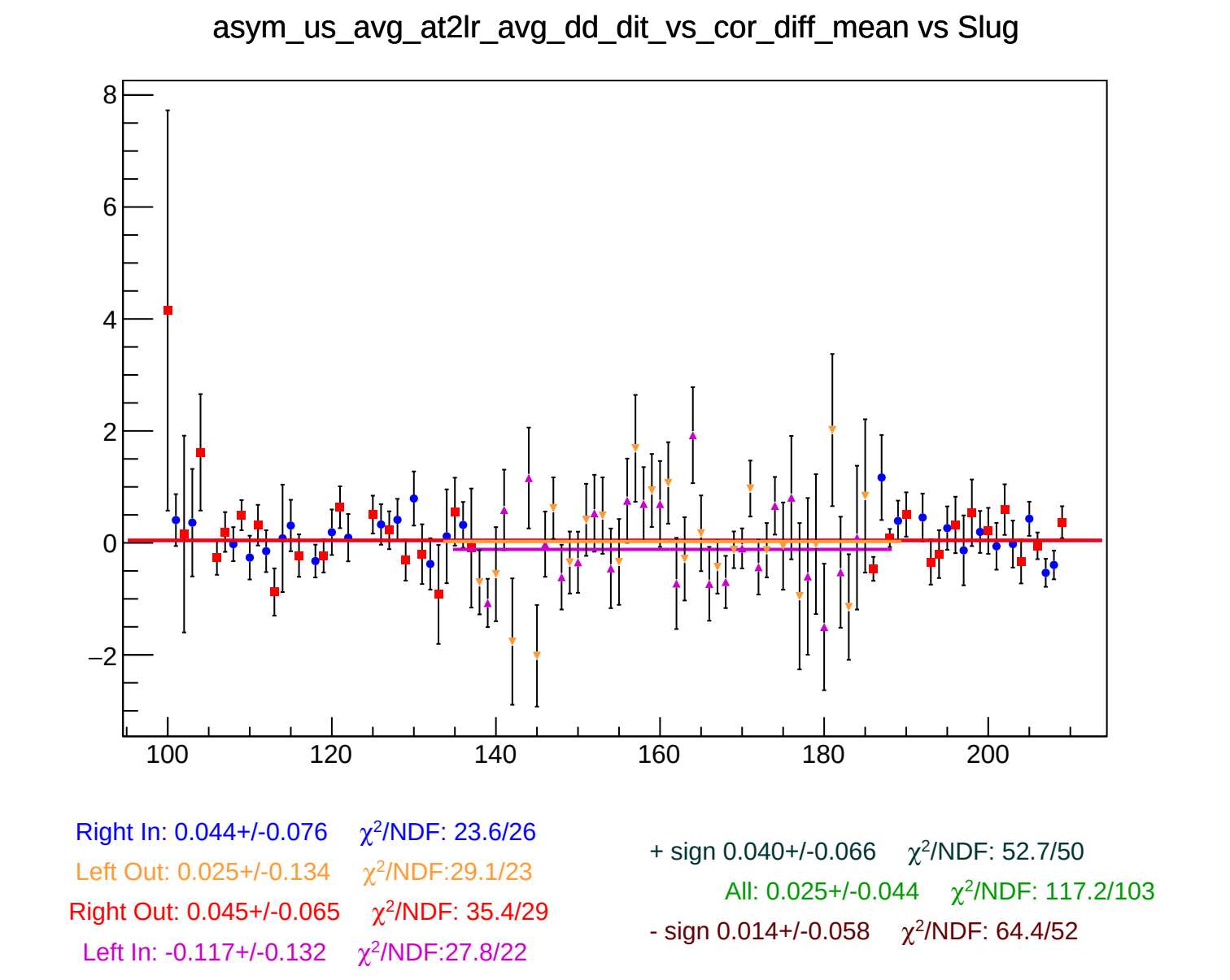
Right Out: 0.000+/-0.000 χ^2/NDF: 6404199.9/29

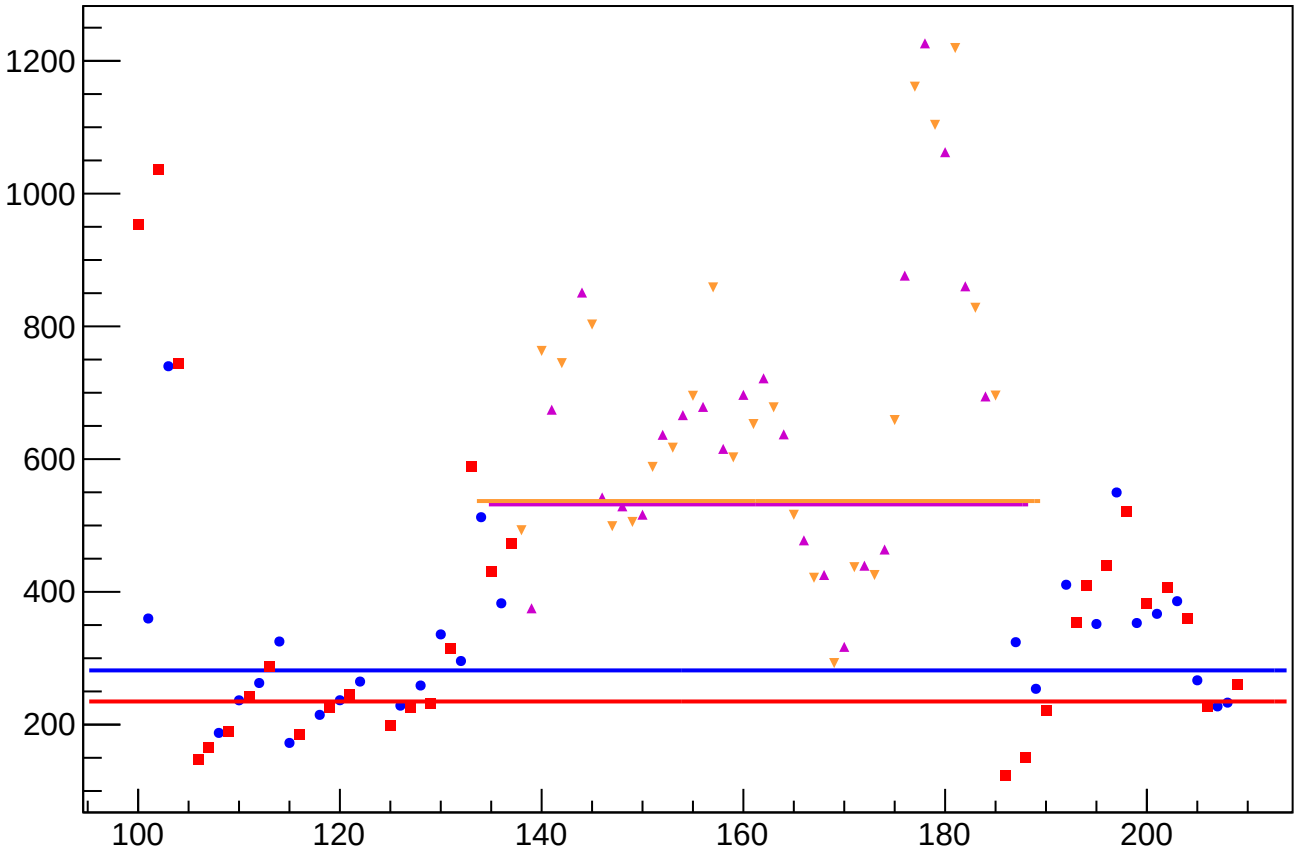
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8147082.9/50

All: 0.000+/-0.000 χ^2/NDF: 17057882.8/103

- sign 0.000+/-0.000 χ^2/NDF: 8909465.1/52


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.044+/-0.076 χ²/NDF: 23.6/26
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.045+/-0.065 χ²/NDF: 35.4/29
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.040+/-0.066 χ²/NDF: 52.7/50
All: 0.025+/-0.044 χ²/NDF: 117.2/103
- sign 0.014+/-0.058 χ²/NDF: 64.4/52



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 234.869+/-0.046 χ^2/NDF: 5204330.5/29

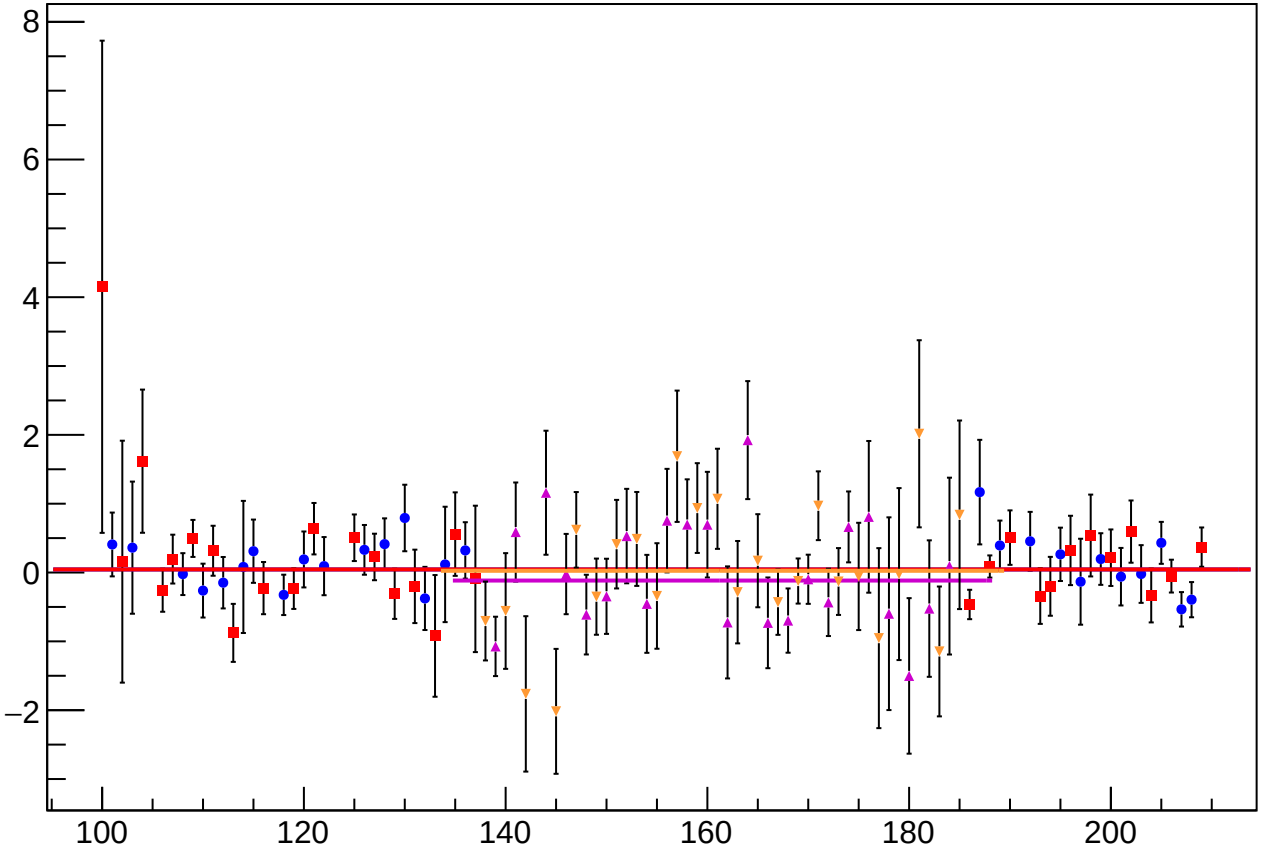
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 343.245+/-0.047 χ^2/NDF: 11887787.5/50

All: 314.639+/-0.031 χ^2/NDF: 29253149.8/10

- sign 292.242+/-0.041 χ^2/NDF: 16691560.3/52

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

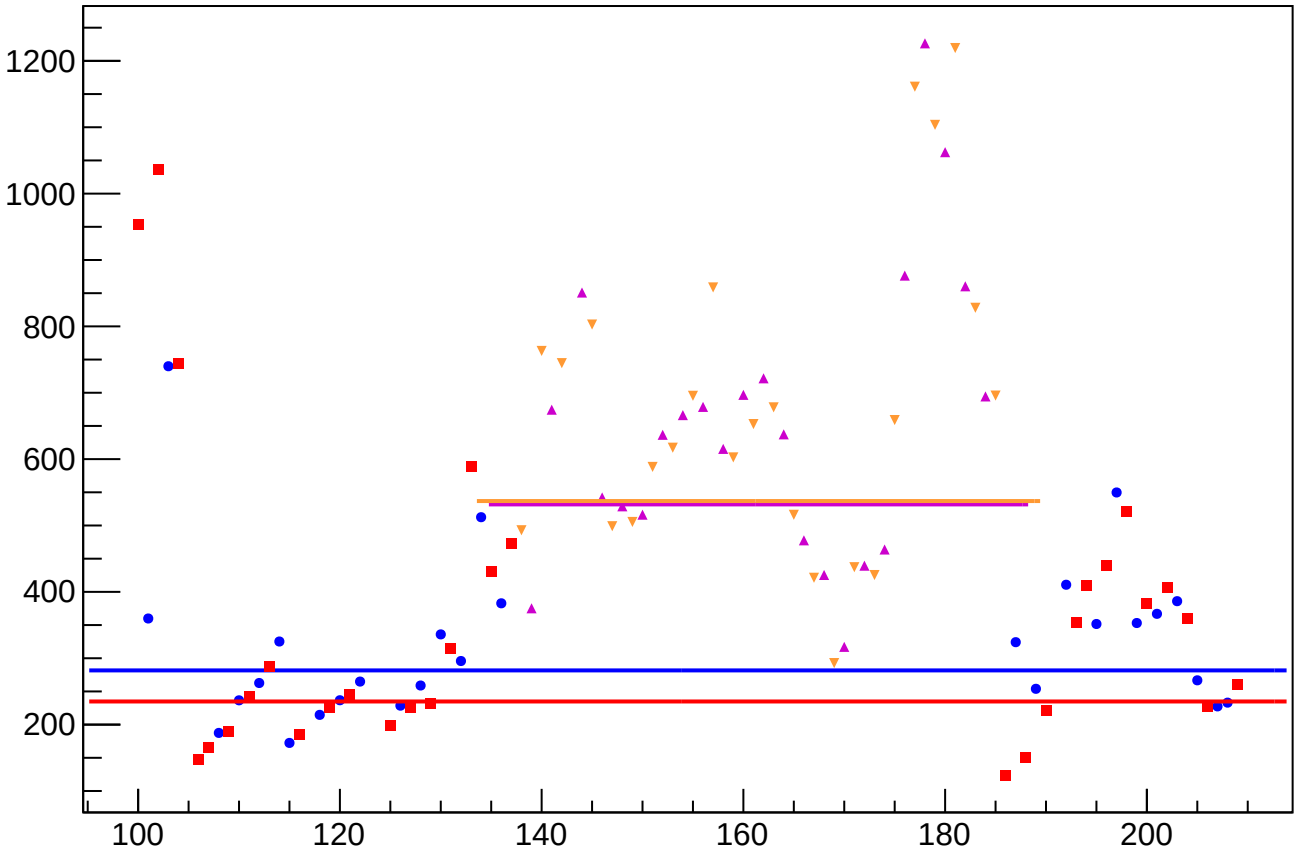
Right Out: 0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.025+/-0.044 χ^2/NDF: 117.2/103

- sign 0.014+/-0.058 χ^2/NDF: 64.4/52



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

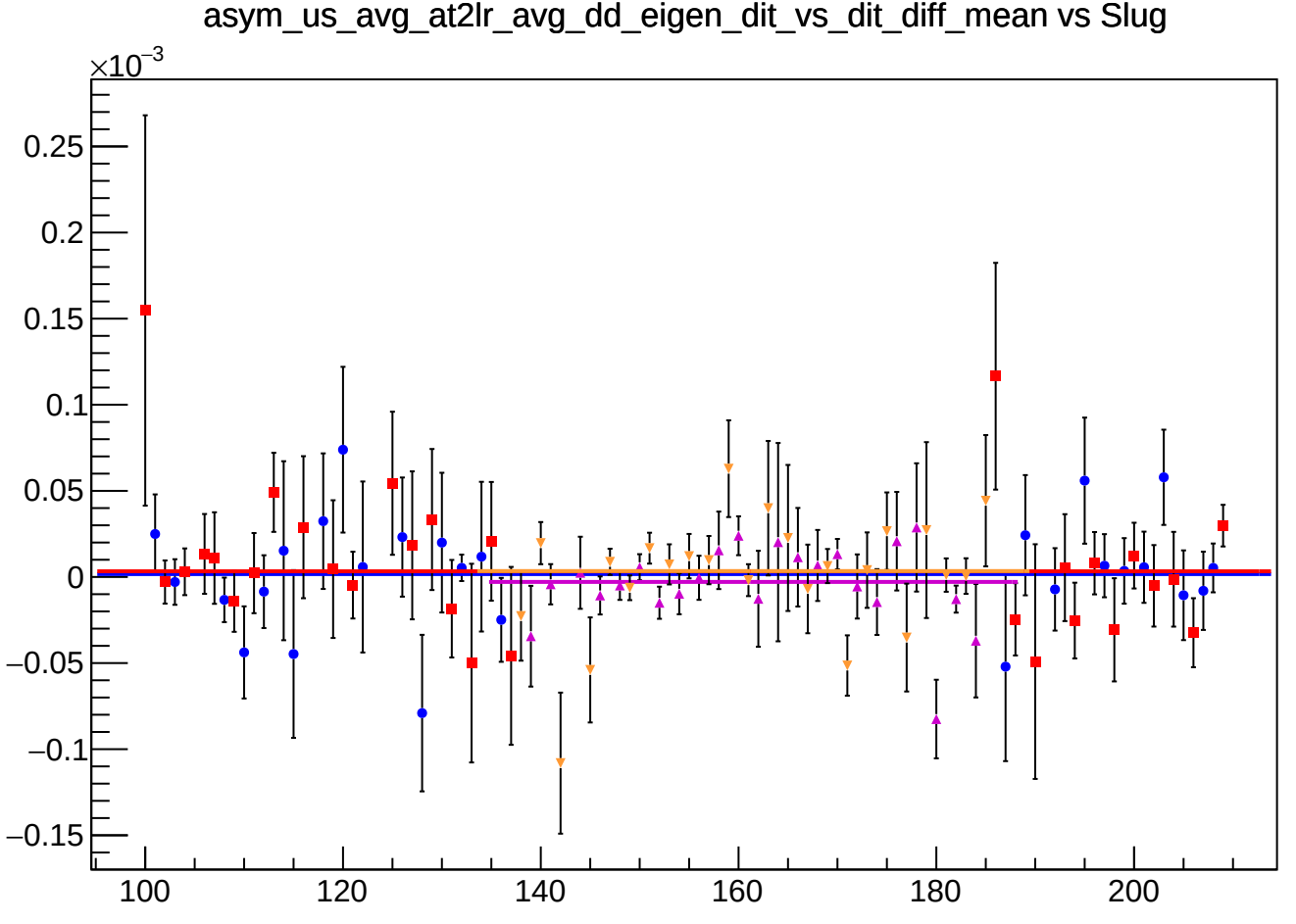
Right Out: 234.869+/-0.046 χ^2/NDF: 5204330.5/29

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 343.245+/-0.047 χ^2/NDF: 11887787.5/50

All: 314.639+/-0.031 χ^2/NDF: 29253149.8/10

- sign 292.242+/-0.041 χ^2/NDF: 16691560.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

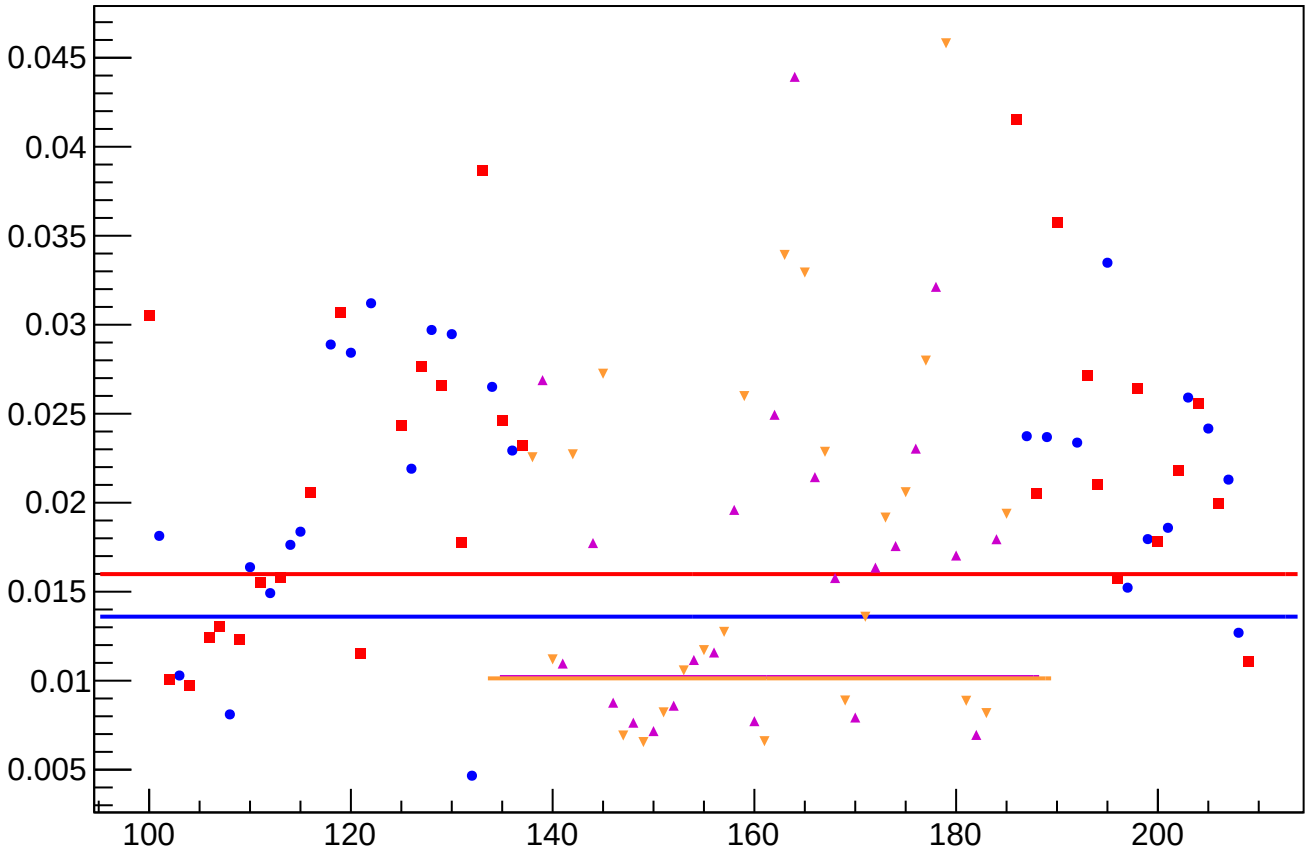
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/29

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/50

All: 0.000+/-0.000 χ^2/NDF: 126.7/103

- sign -0.000+/-0.000 χ^2/NDF: 63.0/52



Right In: 0.014+/-0.000 χ^2/NDF: 7581868.3/26

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

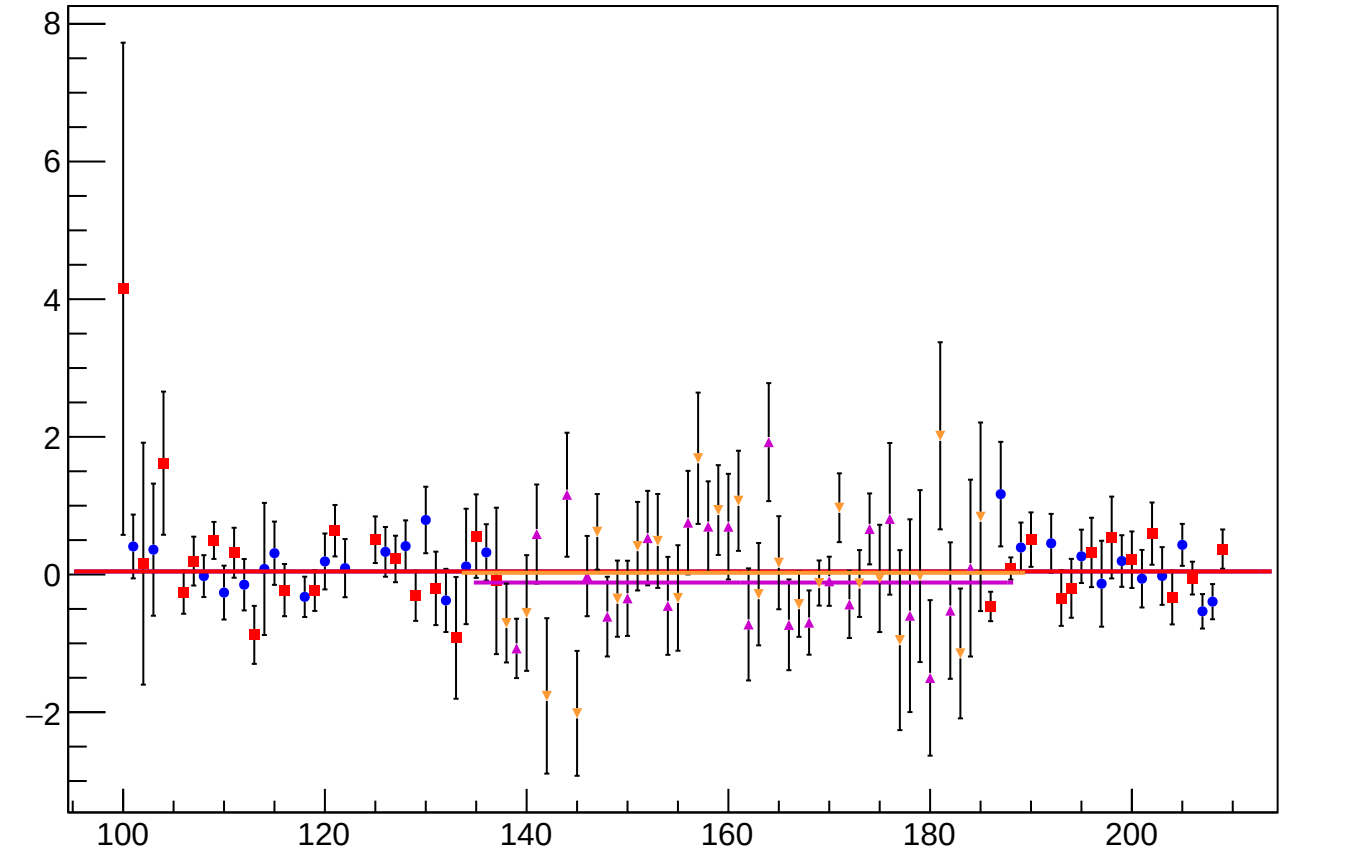
Right Out: 0.016+/-0.000 χ^2/NDF: 4267526.2/29

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 16410870.9/50

All: 0.012+/-0.000 χ^2/NDF: 29452307.0/103

- sign 0.012+/-0.000 χ^2/NDF: 12946422.6/52



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

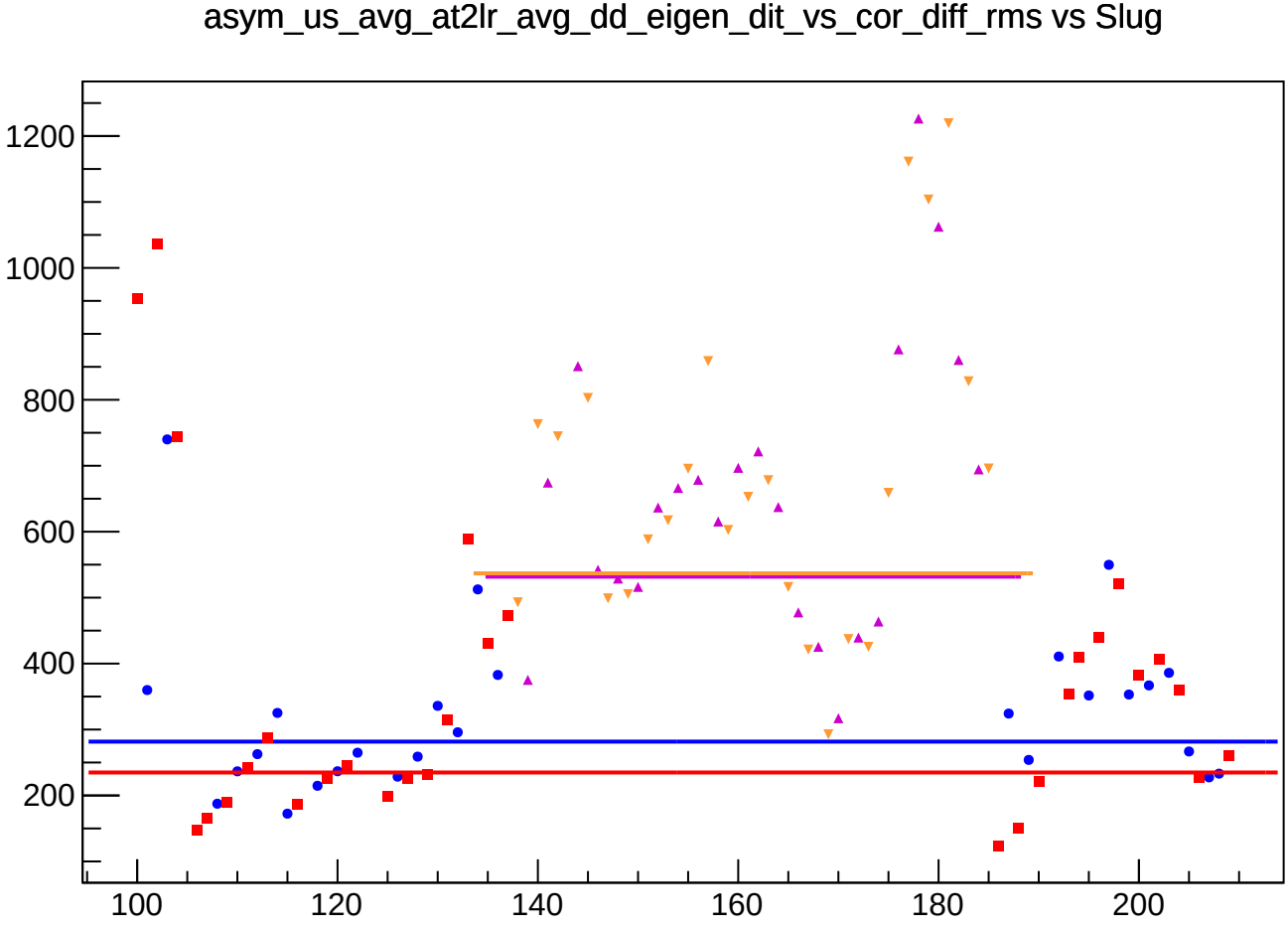
Right Out: 0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.025+/-0.044 χ^2/NDF: 117.2/103

\- sign 0.014+/-0.058 χ^2/NDF: 64.4/52



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 234.867+/-0.046 χ^2/NDF: 5204488.1/29

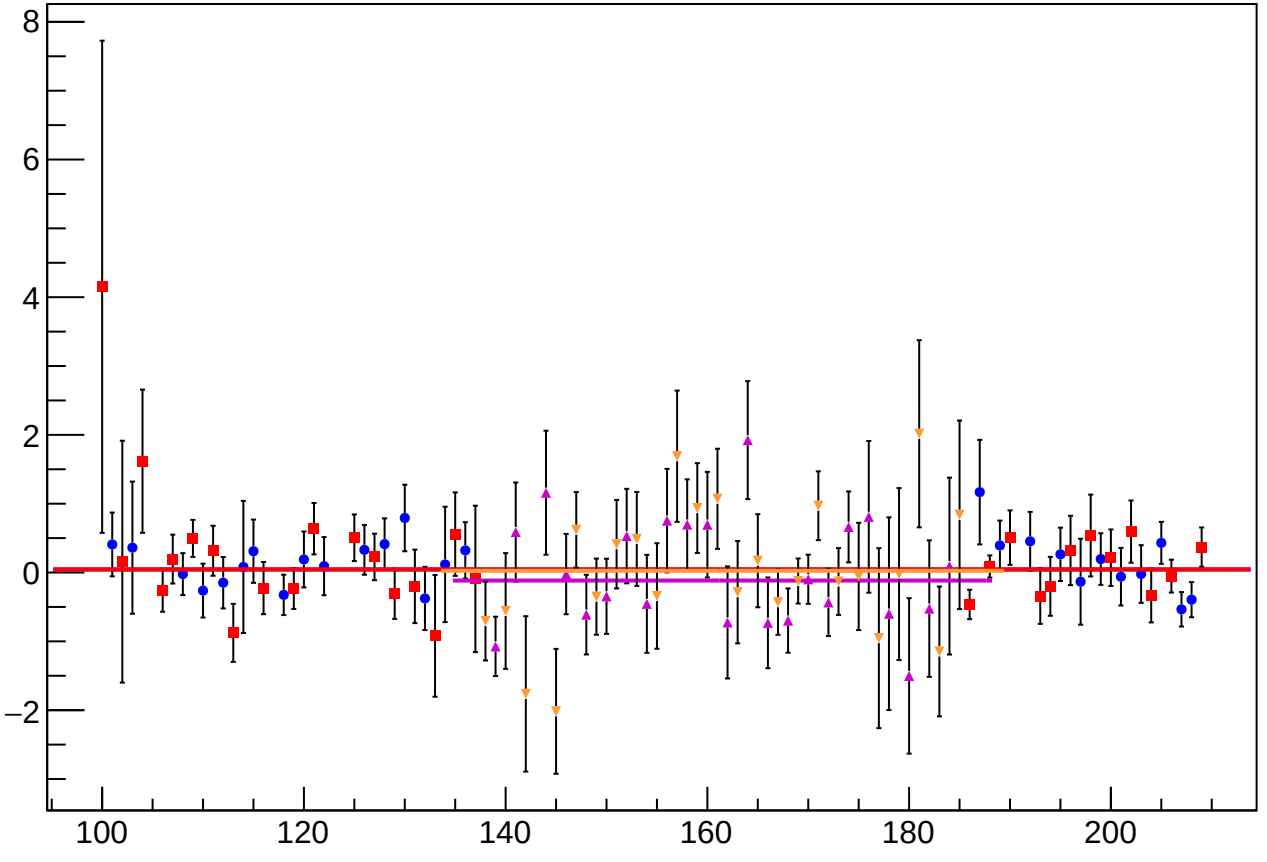
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 343.244+/-0.047 χ^2/NDF: 11888005.1/50

All: 314.637+/-0.031 χ^2/NDF: 29253856.7/10

- sign 292.239+/-0.041 χ^2/NDF: 16692018.5/52

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

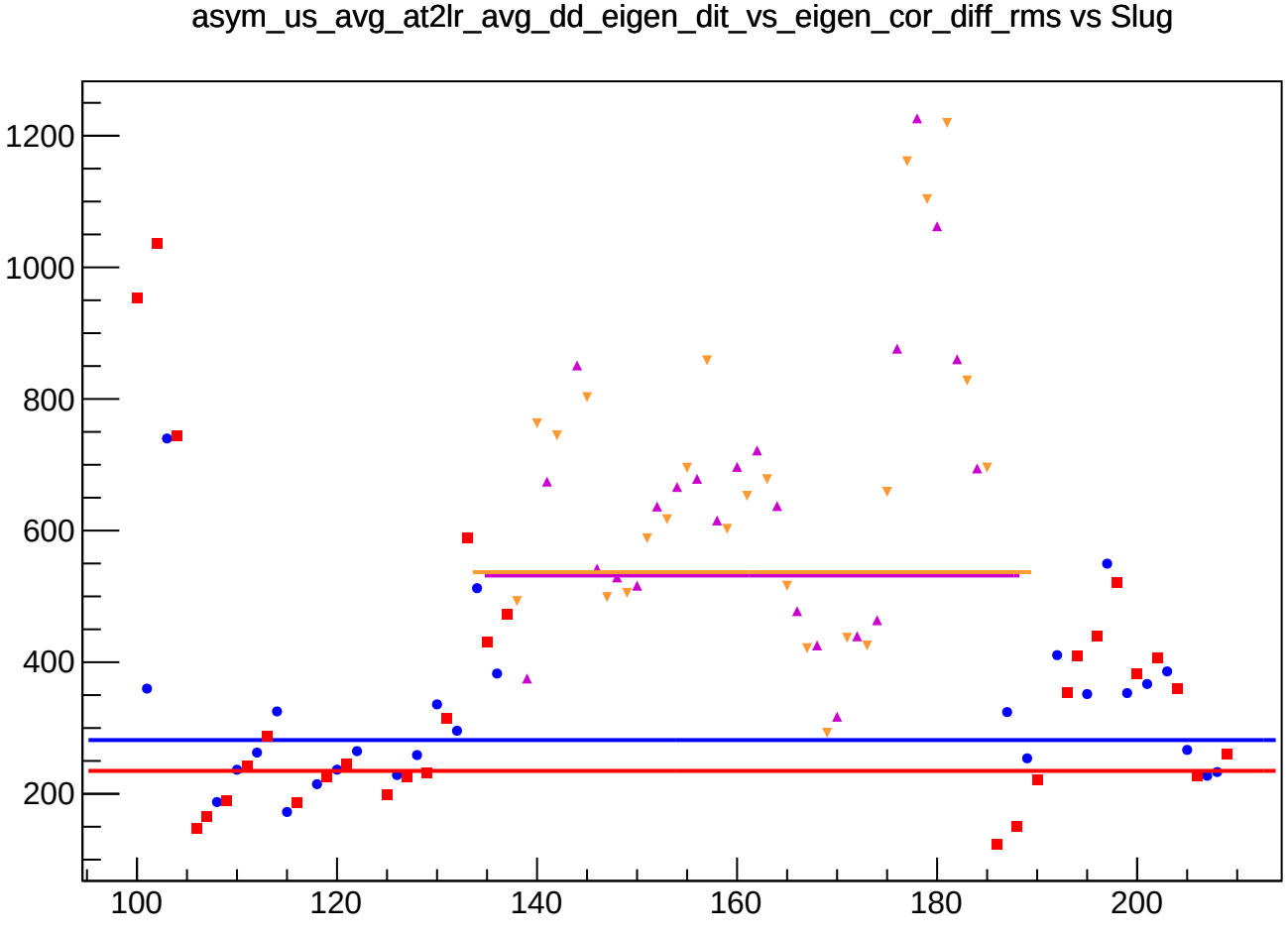
Right Out: 0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.040+/-0.066 χ^2/NDF: 52.7/50

All: 0.025+/-0.044 χ^2/NDF: 117.2/103

- sign 0.014+/-0.058 χ^2/NDF: 64.4/52



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

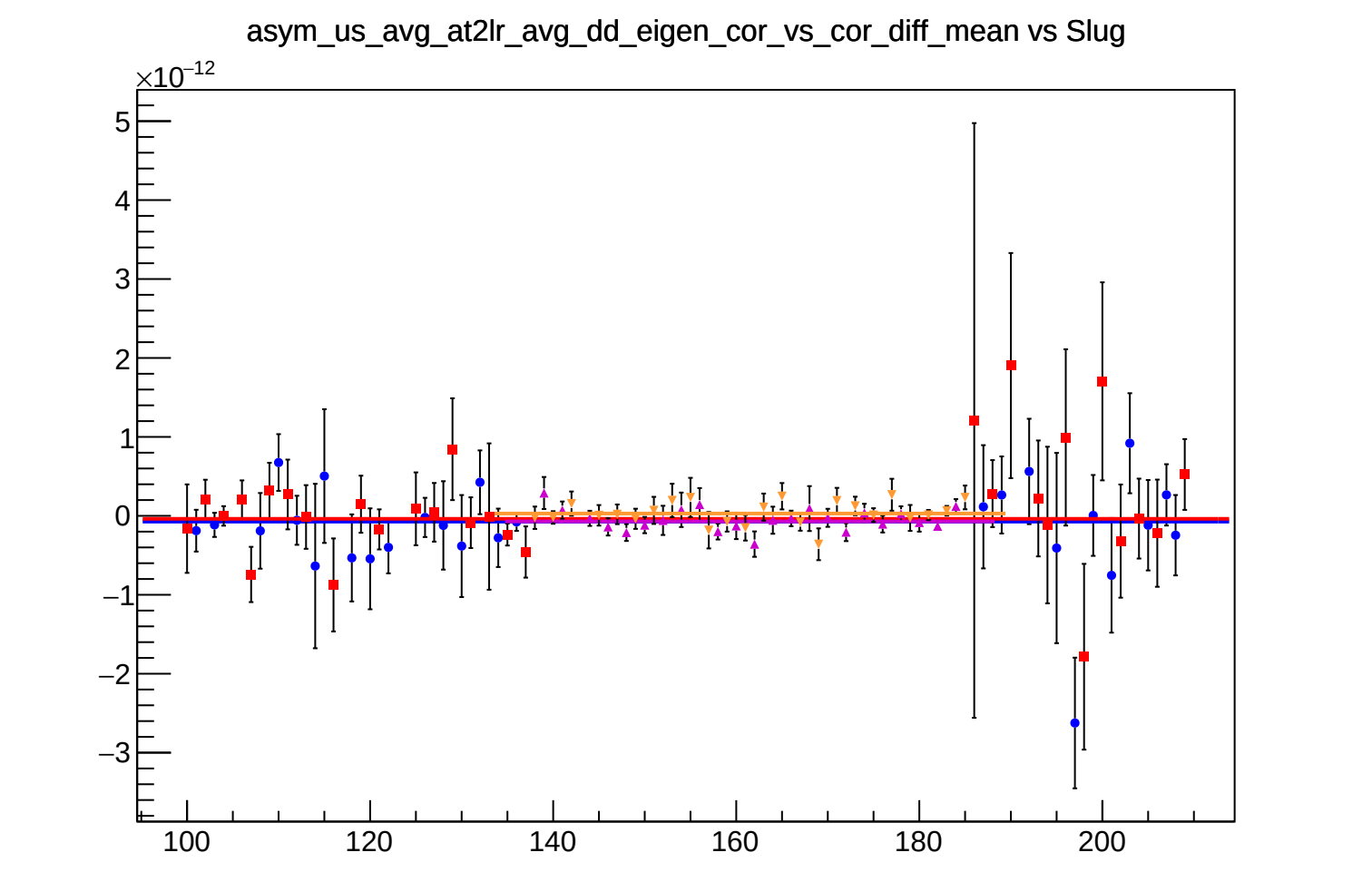
Right Out: 234.867+/-0.046 χ^2/NDF: 5204488.1/29

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 343.244+/-0.047 χ^2/NDF: 11888005.1/50

All: 314.637+/-0.031 χ^2/NDF: 29253856.7/10

- sign 292.239+/-0.041 χ^2/NDF: 16692018.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

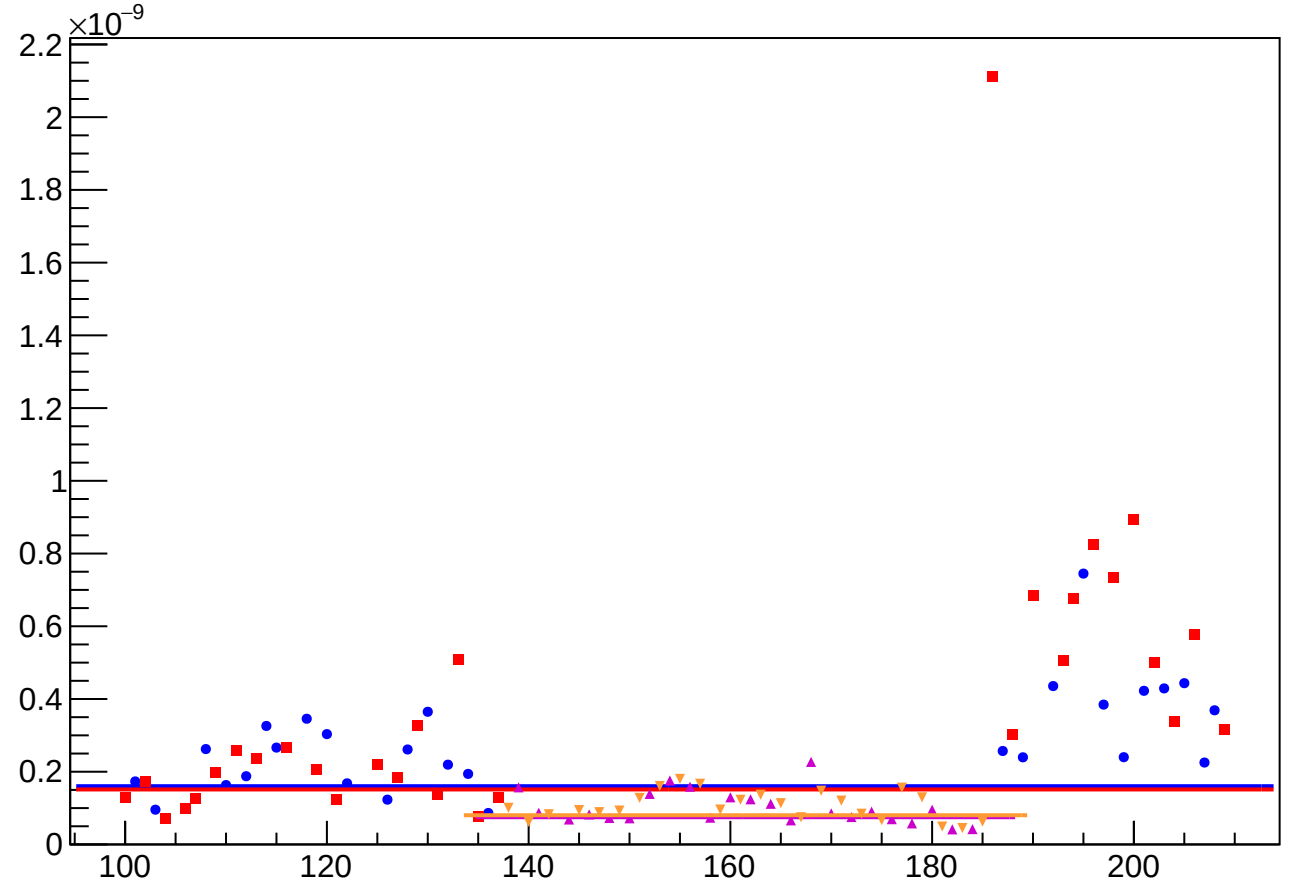
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/29

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/50

All: -0.000+/-0.000 χ^2/NDF: 100.8/103

- sign -0.000+/-0.000 χ^2/NDF: 49.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 4687069.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8240746.2/29

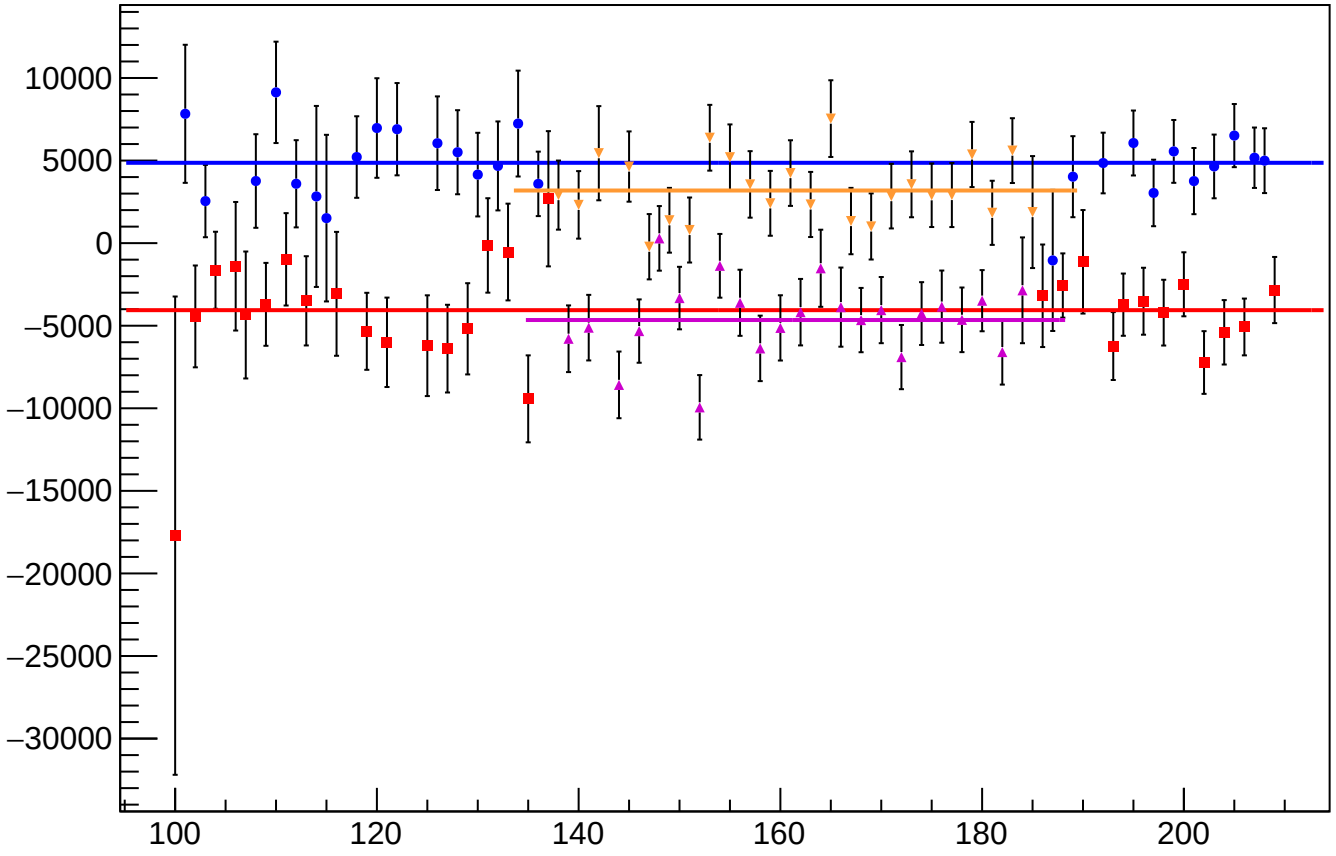
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11112368.8/50

All: 0.000+/-0.000 χ^2/NDF: 25786892.7/103

- sign 0.000+/-0.000 χ^2/NDF: 14600823.2/52

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.530+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -4058.558+/-449.764 χ^2/NDF: 23.6/29

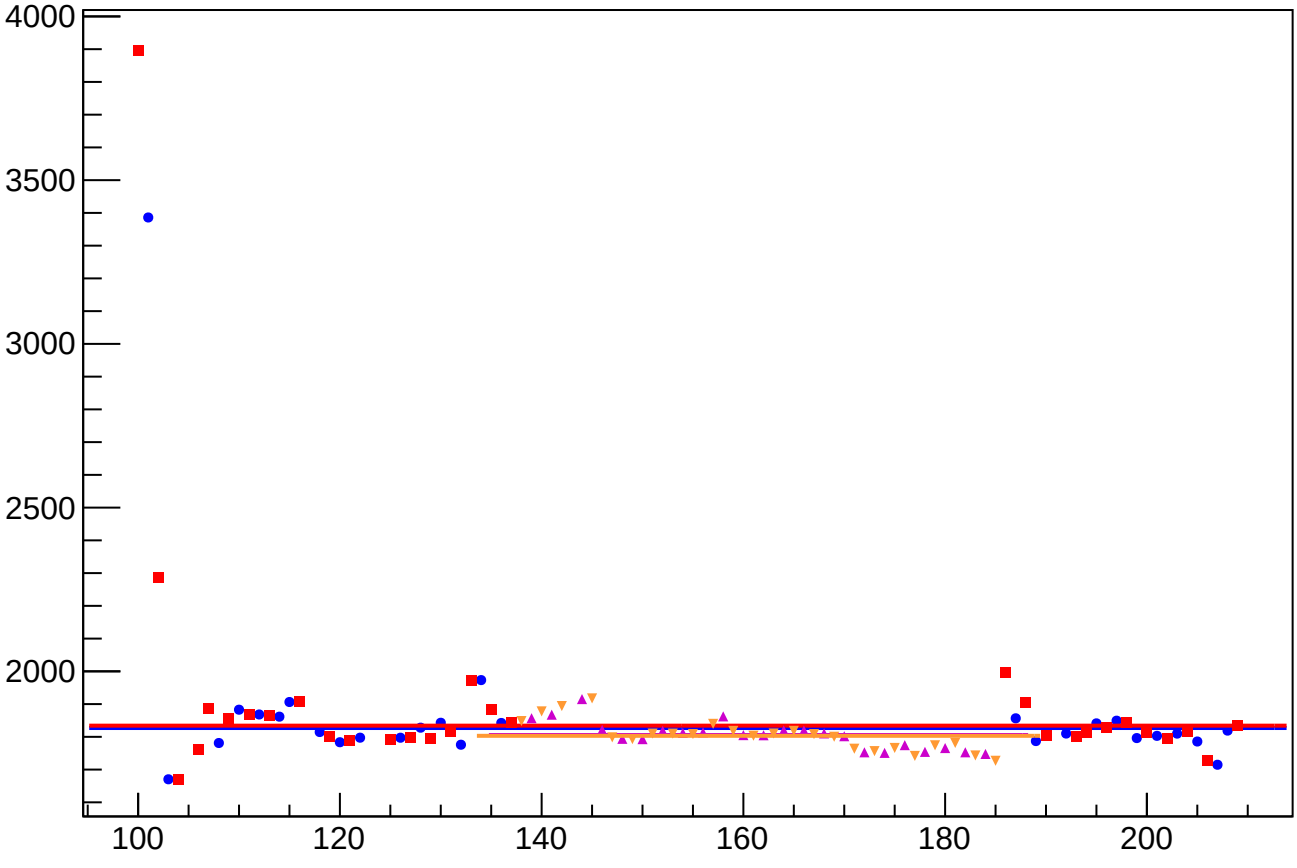
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3944.352+/-310.053 χ^2/NDF: 38.4/50

All: -248.546+/-218.378 χ^2/NDF: 453.6/103

- sign -4376.082+/-307.627 χ^2/NDF: 52.3/52

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927+/-0.326 χ^2/NDF: 307272.7/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

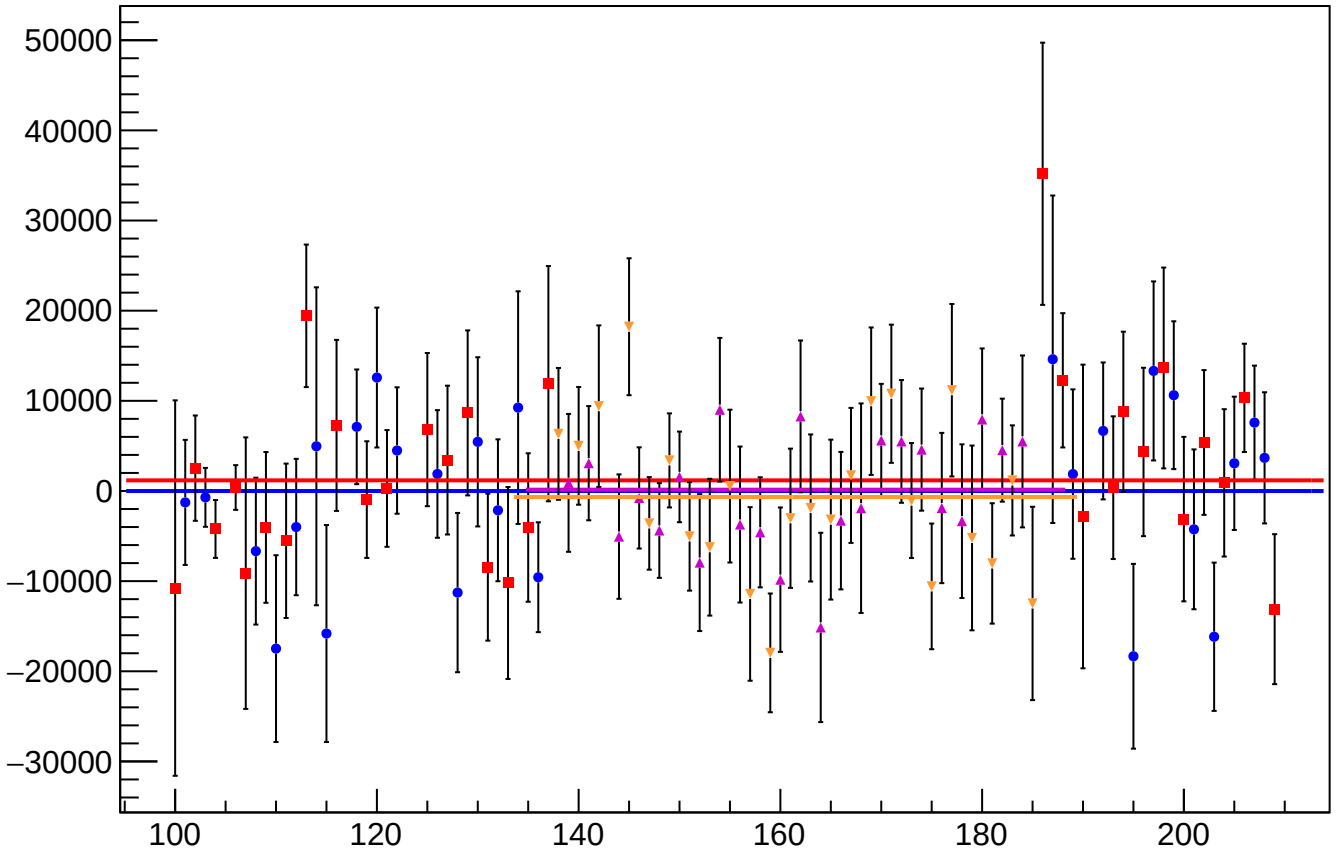
Right Out: 1834.139+/-0.318 χ^2/NDF: 121393.7/29

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1813.864+/-0.219 χ^2/NDF: 330835.1/50

All: 1816.427+/-0.154 χ^2/NDF: 476118.3/103

- sign 1818.947+/-0.217 χ^2/NDF: 145012.1/52



Right In: -6.354+/-1447.501 χ^2/NDF: 29.2/26

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

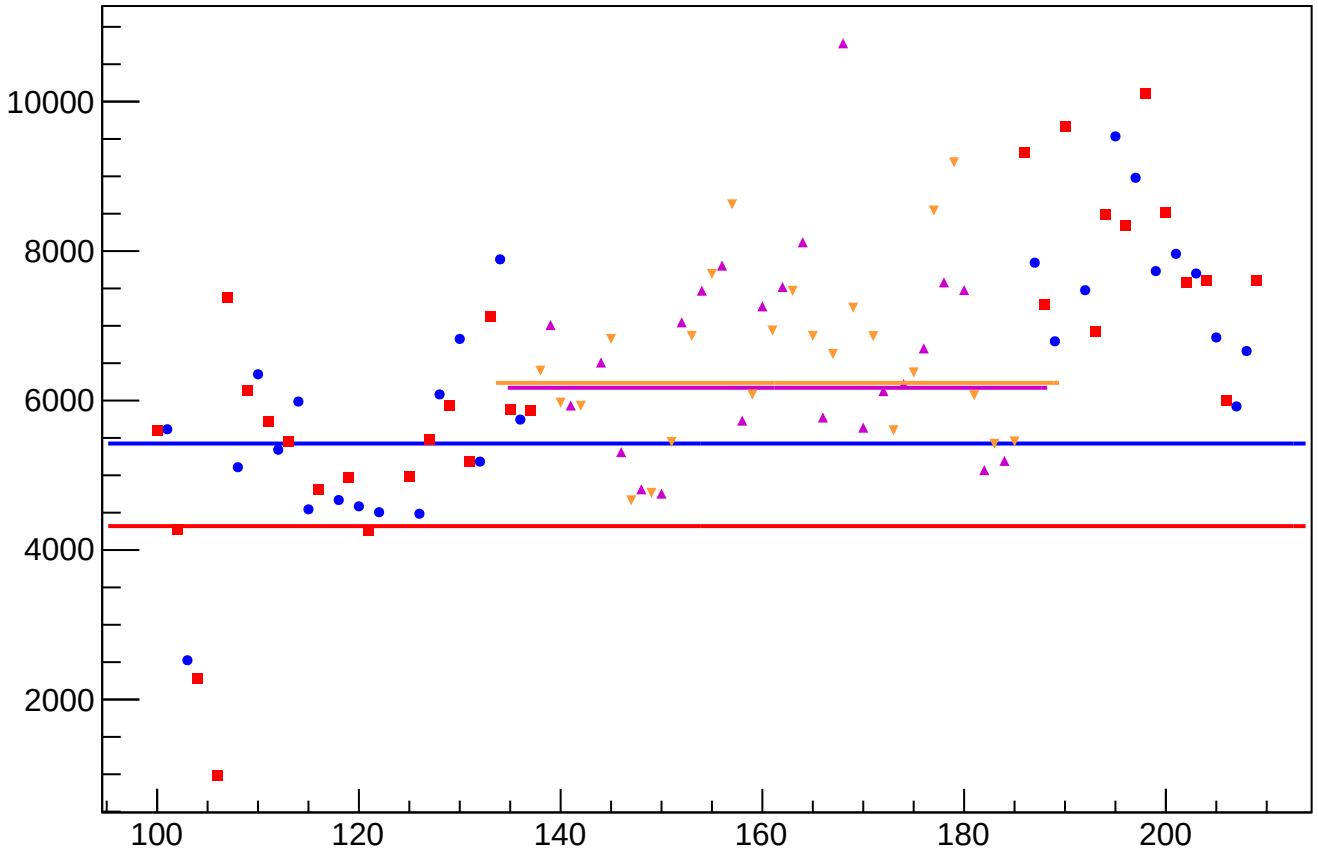
Right Out: 1178.953+/-1247.686 χ^2/NDF: 31.1/29

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -329.731+/-1034.426 χ^2/NDF: 59.0/50

All: 252.809+/-700.341 χ^2/NDF: 104.5/103

- sign 745.809+/-951.611 χ^2/NDF: 44.9/52



Right In: 5424.955+/-1.024 χ^2/NDF: 3286574.4/26

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4320.059+/-0.882 χ^2/NDF: 8976206.6/29

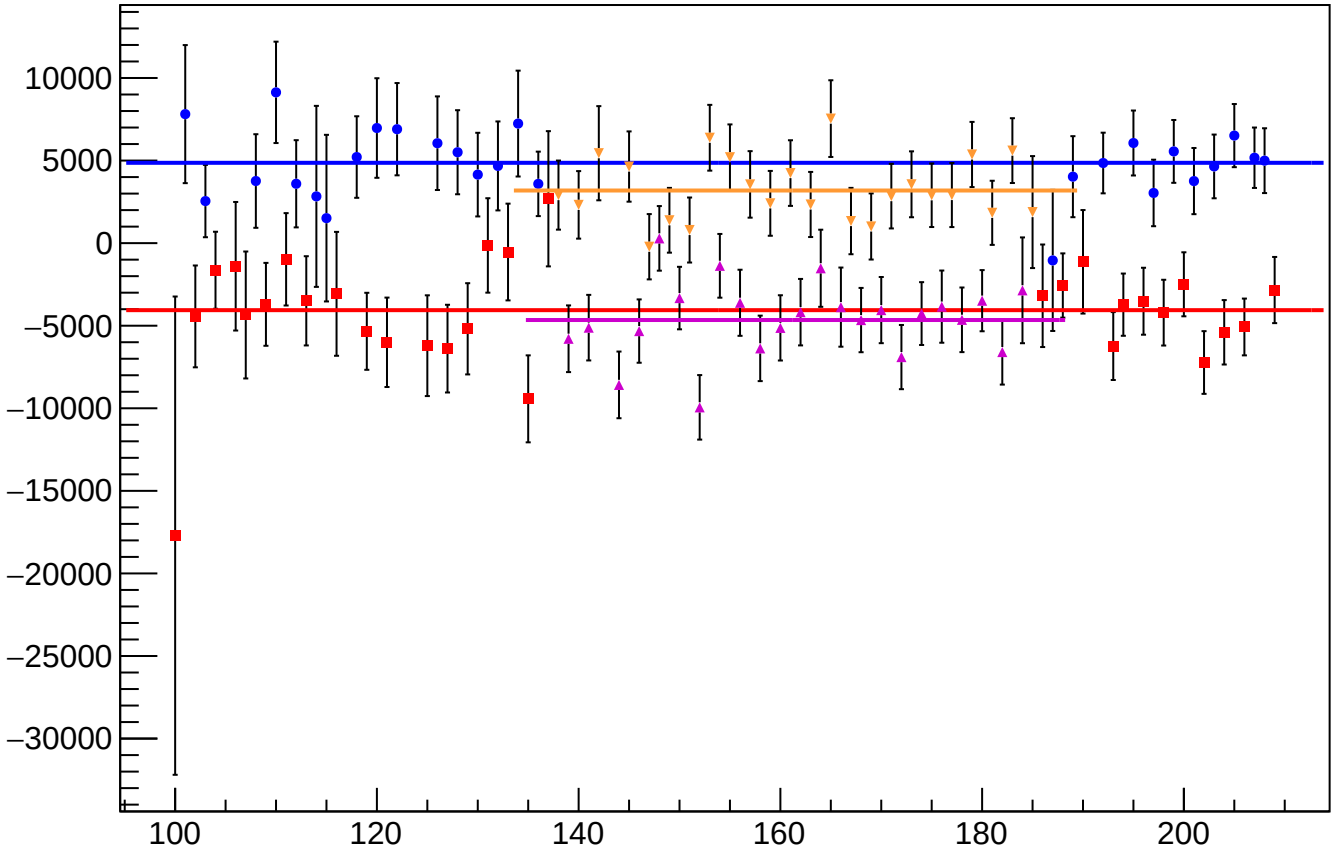
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5822.116+/-0.731 χ^2/NDF: 4661945.2/50

All: 5427.856+/-0.495 χ^2/NDF: 17252808.7/1

- sign 5094.197+/-0.673 χ^2/NDF: 12054454.0/52

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4058.451+/-449.764 χ^2/NDF: 23.6/29

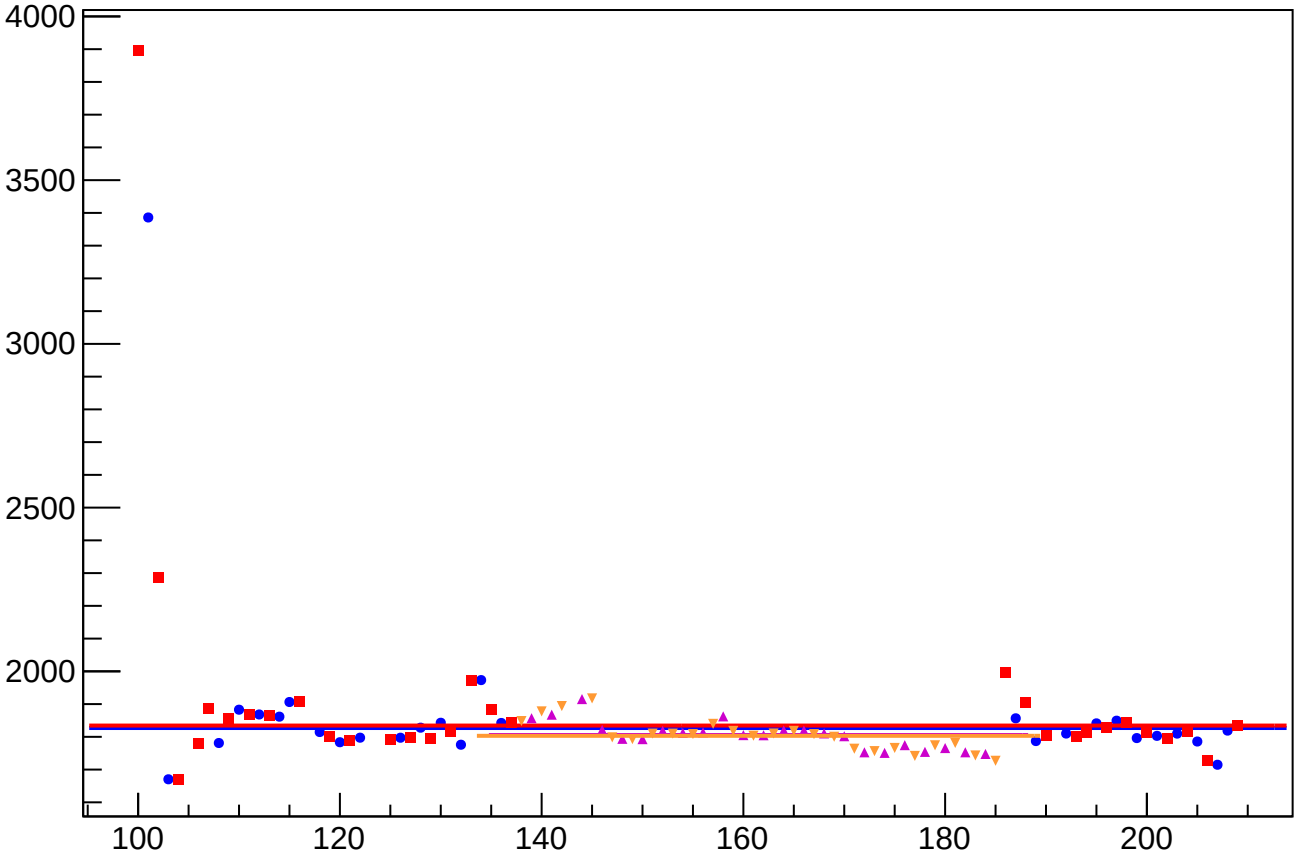
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3944.232+/-310.053 χ^2/NDF: 38.4/50

All: -248.585+/-218.378 χ^2/NDF: 453.6/103

- sign -4376.042+/-307.627 χ^2/NDF: 52.3/52

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

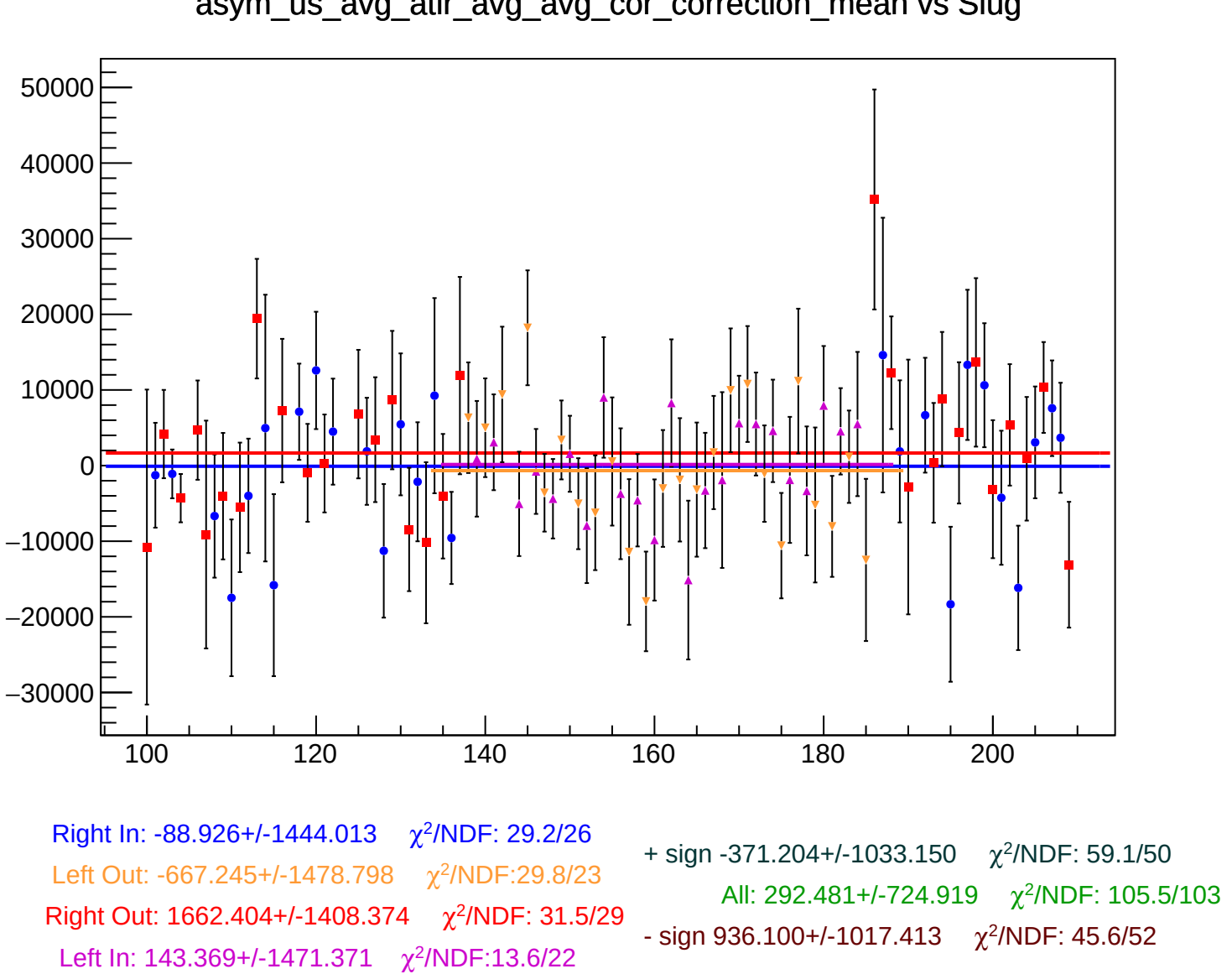
Right Out: 1834.430+/-0.318 χ^2/NDF: 121037.1/29

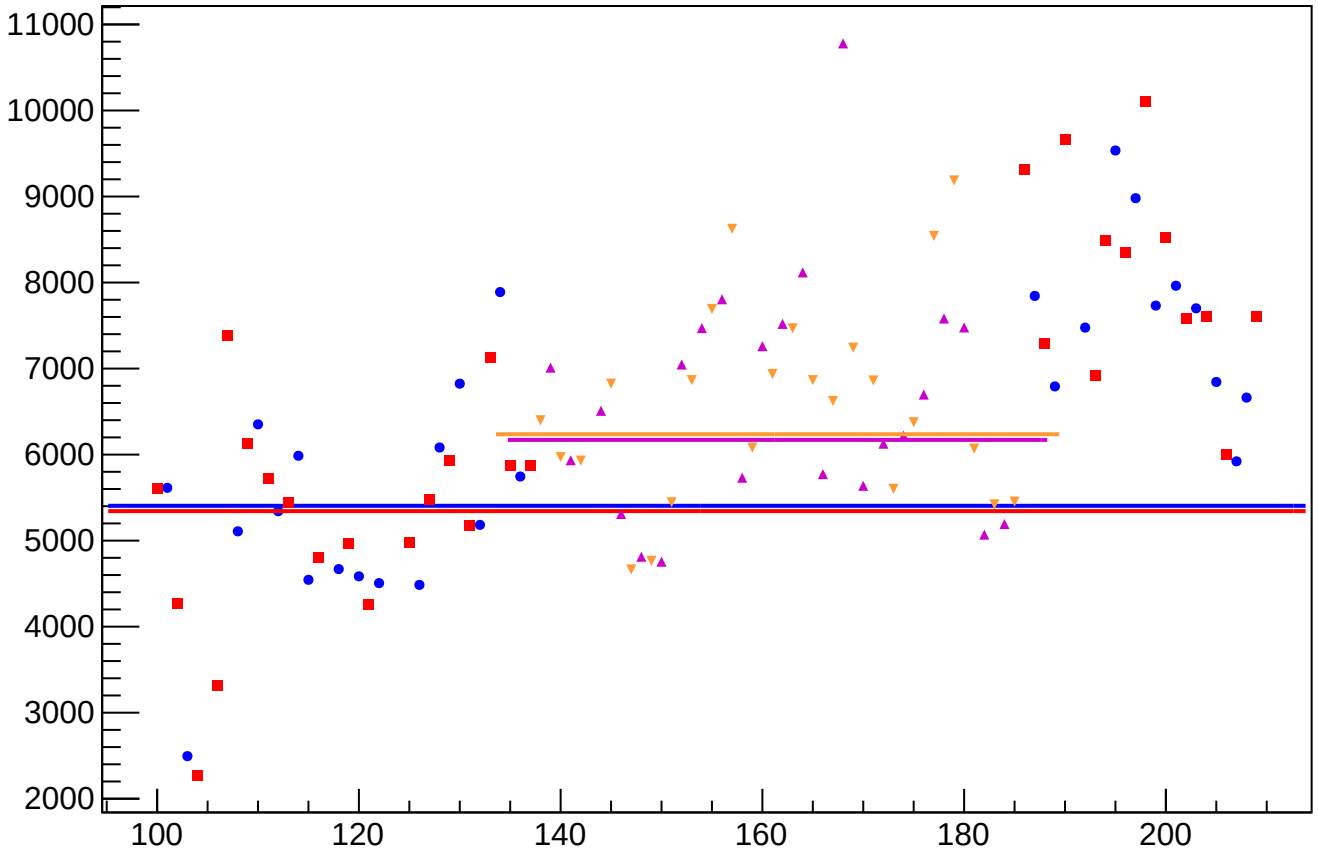
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1813.864+/-0.219 χ^2/NDF: 330837.0/50

All: 1816.495+/-0.154 χ^2/NDF: 475865.5/103

- sign 1819.082+/-0.217 χ^2/NDF: 144742.9/52


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -88.926+/-1444.013 χ²/NDF: 29.2/26
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1662.404+/-1408.374 χ²/NDF: 31.5/29
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -371.204+/-1033.150 χ²/NDF: 59.1/50
All: 292.481+/-724.919 χ²/NDF: 105.5/103
- sign 936.100+/-1017.413 χ²/NDF: 45.6/52



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

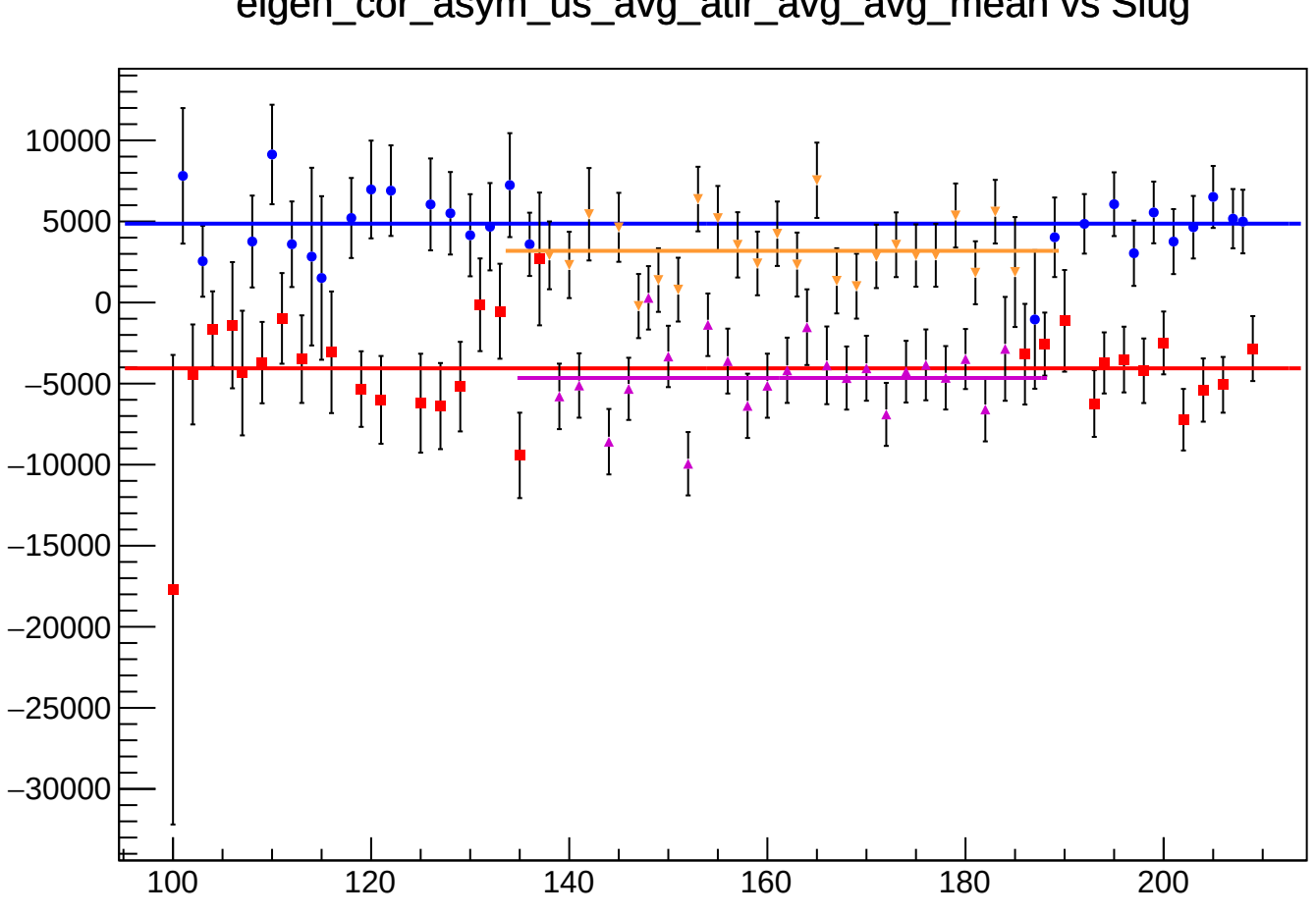
Right Out: 5343.031+/-0.996 χ^2/NDF: 4363936.1/29

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5810.830+/-0.731 χ^2/NDF: 4750907.0/50

All: 5774.268+/-0.513 χ^2/NDF: 10687673.4/1

- sign 5738.811+/-0.719 χ^2/NDF: 5931832.5/52



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4058.451+/-449.764 χ^2/NDF: 23.6/29

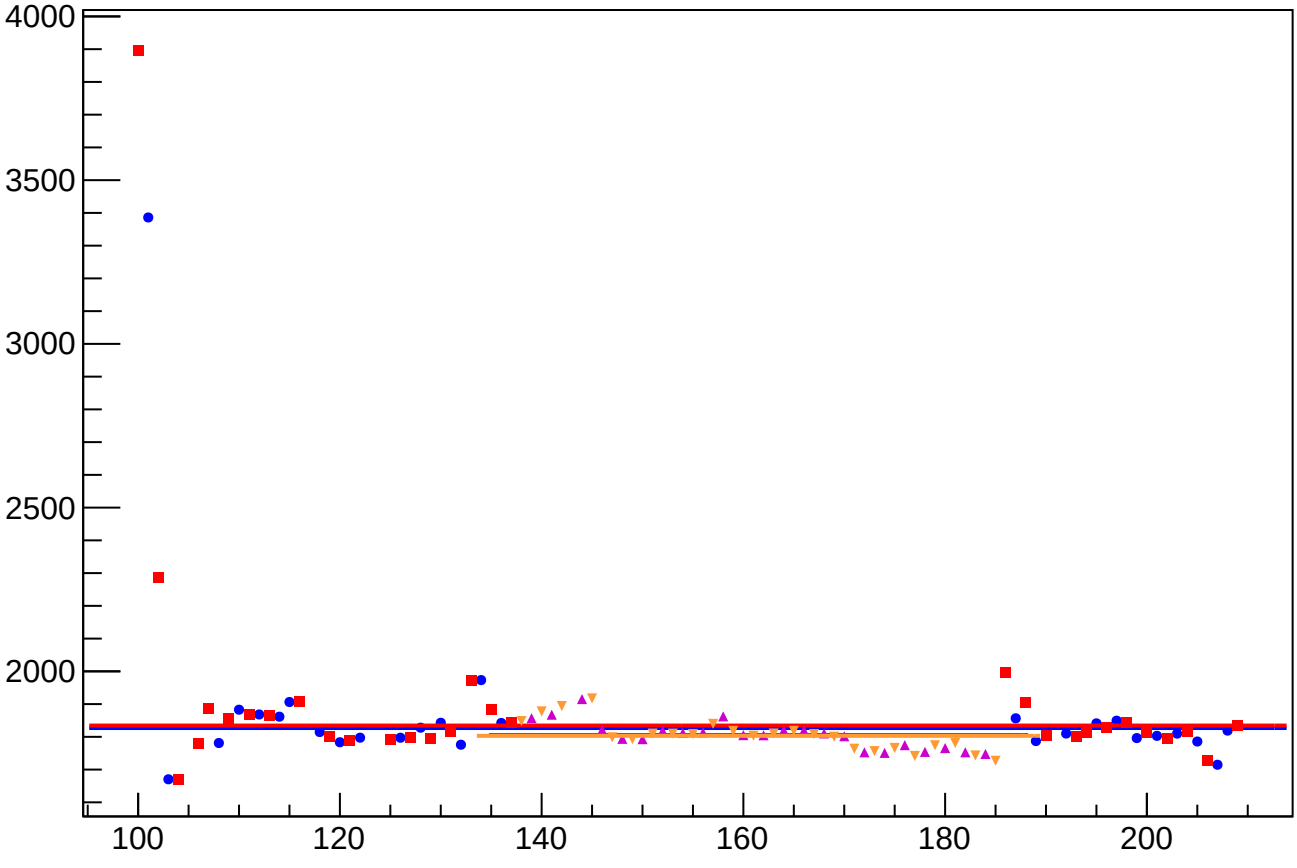
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3944.232+/-310.053 χ^2/NDF: 38.4/50

All: -248.585+/-218.378 χ^2/NDF: 453.6/103

- sign -4376.042+/-307.627 χ^2/NDF: 52.3/52

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

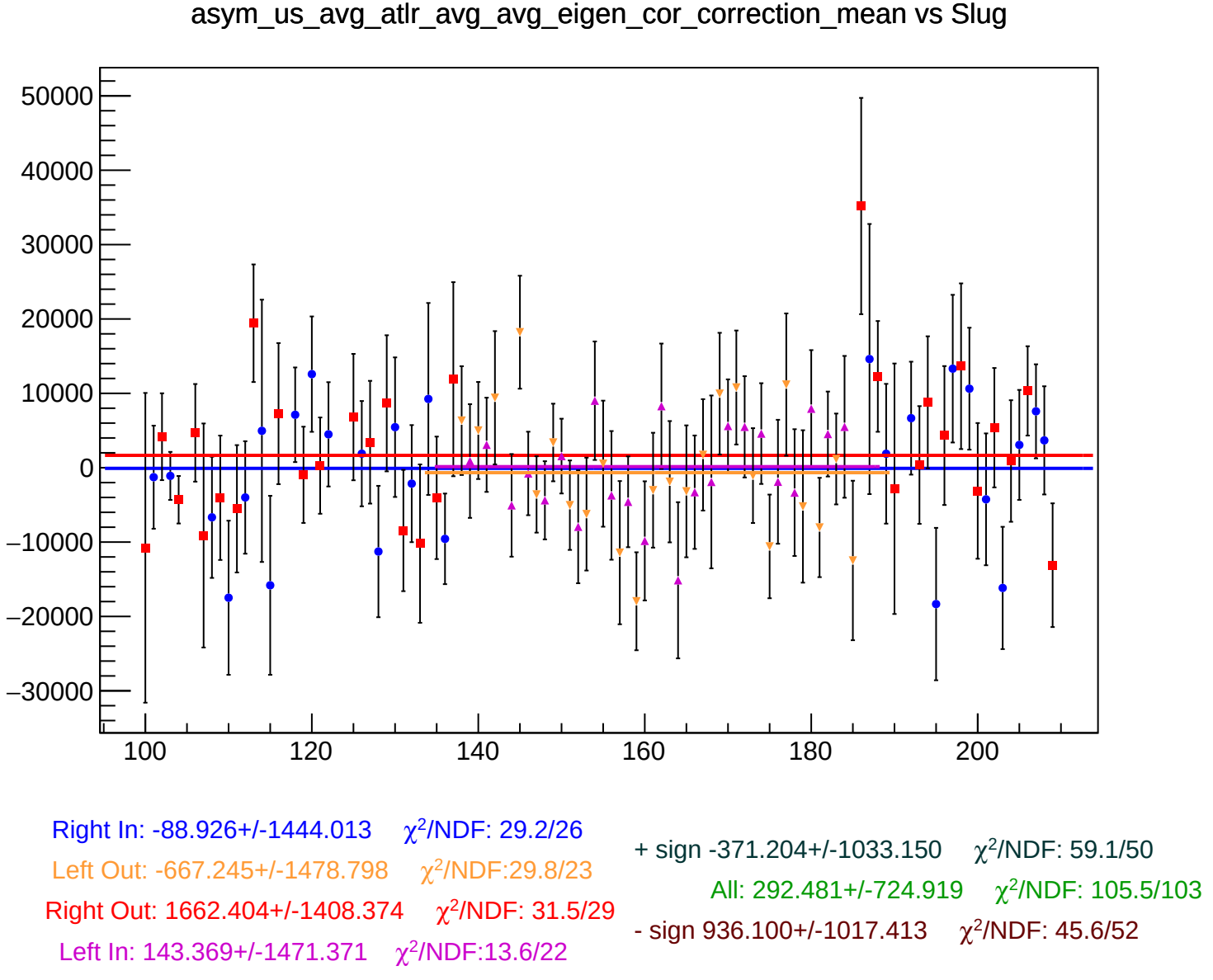
Right Out: 1834.430+/-0.318 χ^2/NDF: 121037.1/29

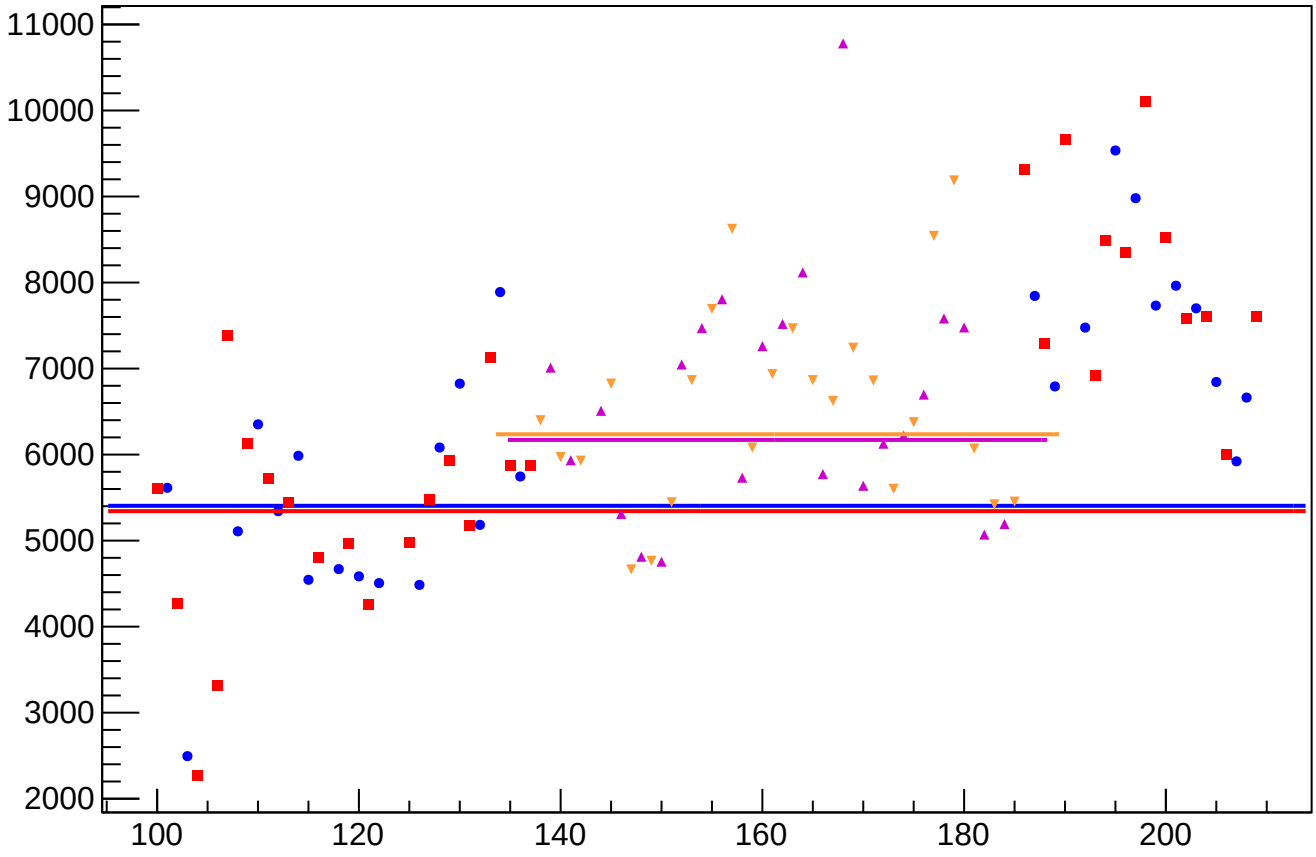
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1813.864+/-0.219 χ^2/NDF: 330837.0/50

All: 1816.495+/-0.154 χ^2/NDF: 475865.5/103

- sign 1819.082+/-0.217 χ^2/NDF: 144742.9/52


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -88.926+/-1444.013 χ²/NDF: 29.2/26
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1662.404+/-1408.374 χ²/NDF: 31.5/29
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -371.204+/-1033.150 χ²/NDF: 59.1/50
All: 292.481+/-724.919 χ²/NDF: 105.5/103
- sign 936.100+/-1017.413 χ²/NDF: 45.6/52



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5343.031+/-0.996 χ^2/NDF: 4363936.1/29

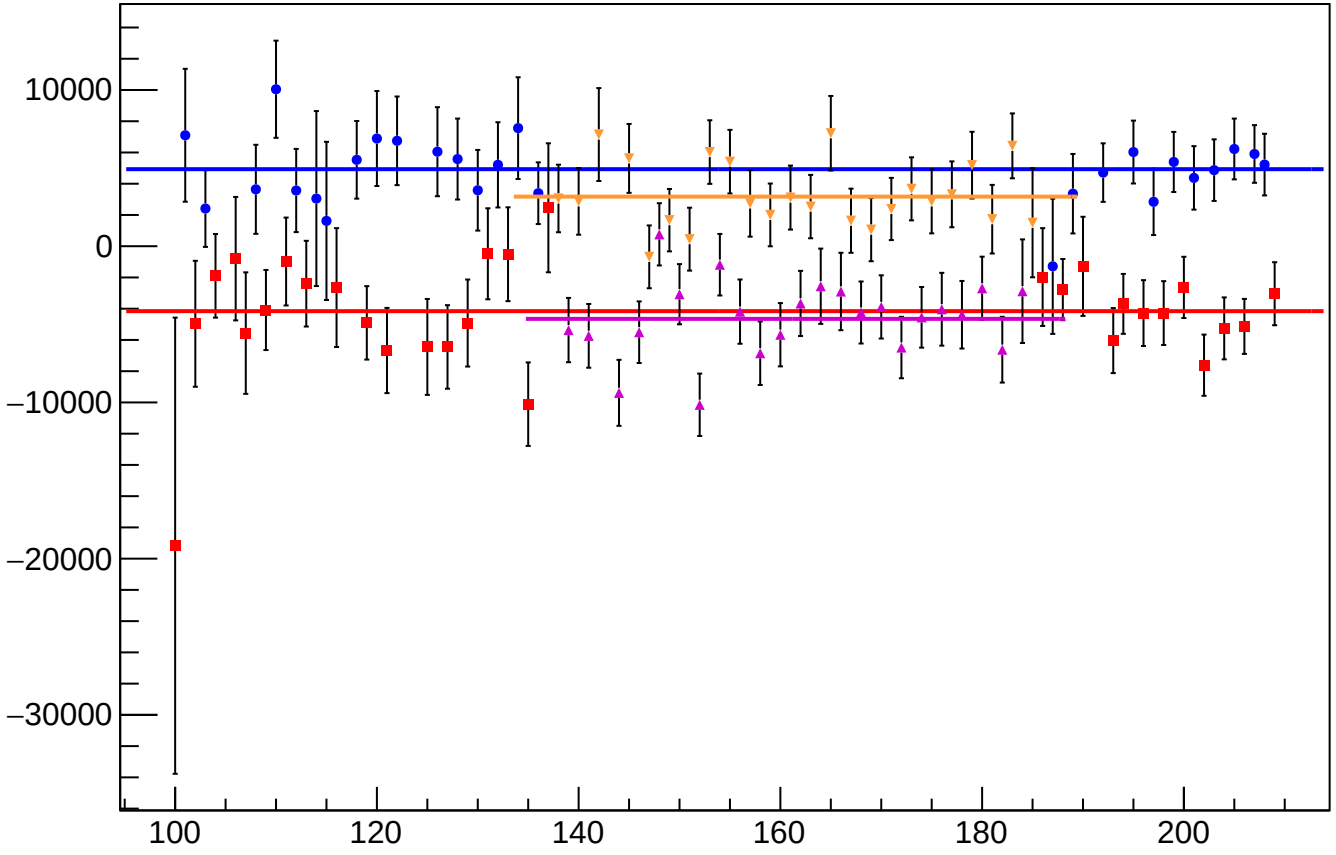
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5810.830+/-0.731 χ^2/NDF: 4750907.0/50

All: 5774.268+/-0.513 χ^2/NDF: 10687673.4/1

- sign 5738.811+/-0.719 χ^2/NDF: 5931832.5/52

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4931.051+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4157.084+/-460.877 χ^2/NDF: 24.8/29

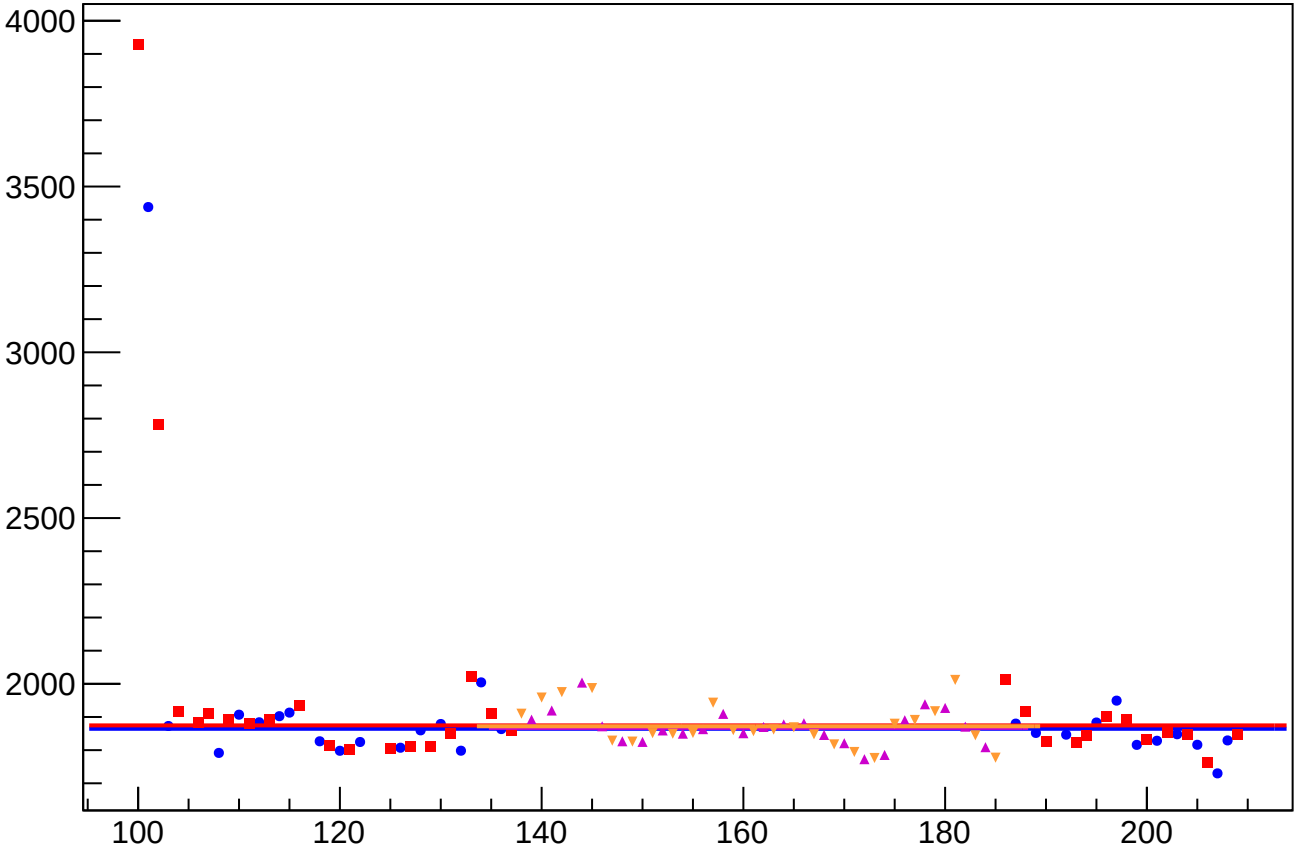
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3982.656+/-319.503 χ^2/NDF: 41.3/50

All: -252.971+/-224.962 χ^2/NDF: 445.8/103

- sign -4417.335+/-316.804 χ^2/NDF: 55.9/52

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

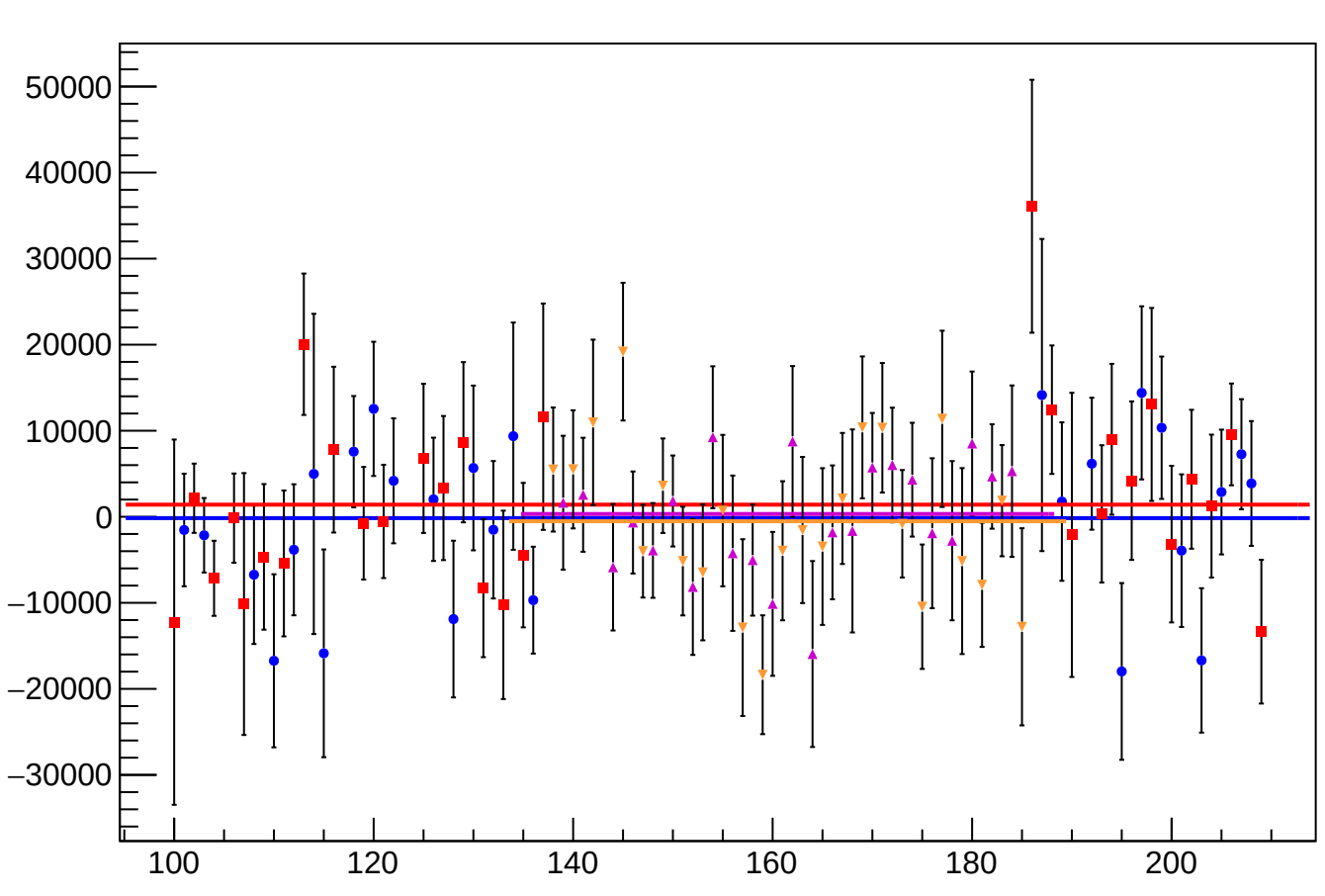
Right Out: 1874.656+/-0.326 χ^2/NDF: 170879.2/29

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1868.495+/-0.226 χ^2/NDF: 339030.1/50

All: 1869.587+/-0.159 χ^2/NDF: 537487.6/103

- sign 1870.661+/-0.224 χ^2/NDF: 198411.2/52



Right In: -154.627+/-1519.037 χ^2/NDF: 29.1/26

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: 1408.675+/-1413.581 χ^2/NDF: 31.8/29

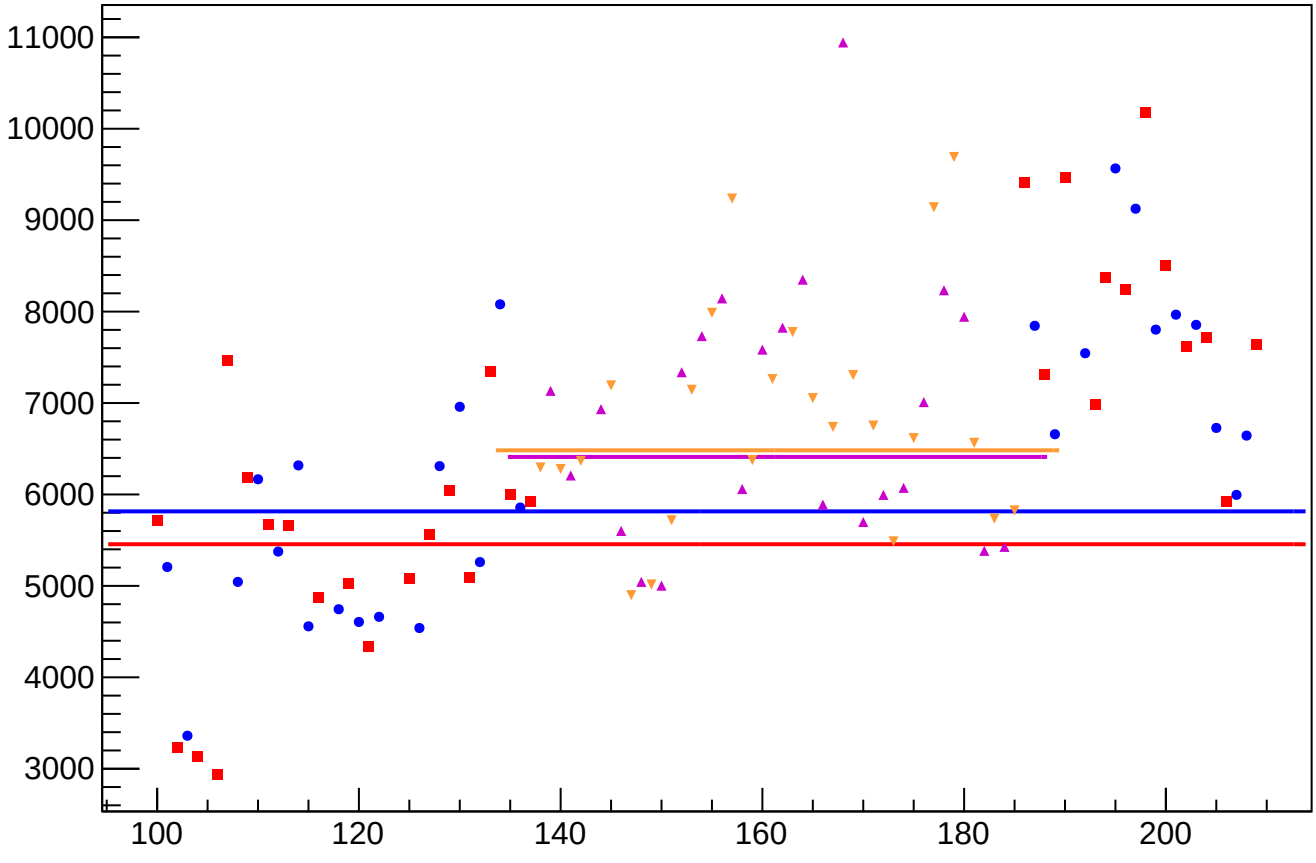
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -335.321+/-1080.341 χ^2/NDF: 58.3/50

All: 311.783+/-748.365 χ^2/NDF: 104.5/103

- sign 908.751+/-1037.646 χ^2/NDF: 45.5/52

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 5814.958+/-1.074 χ^2/NDF: 2067998.9/26

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

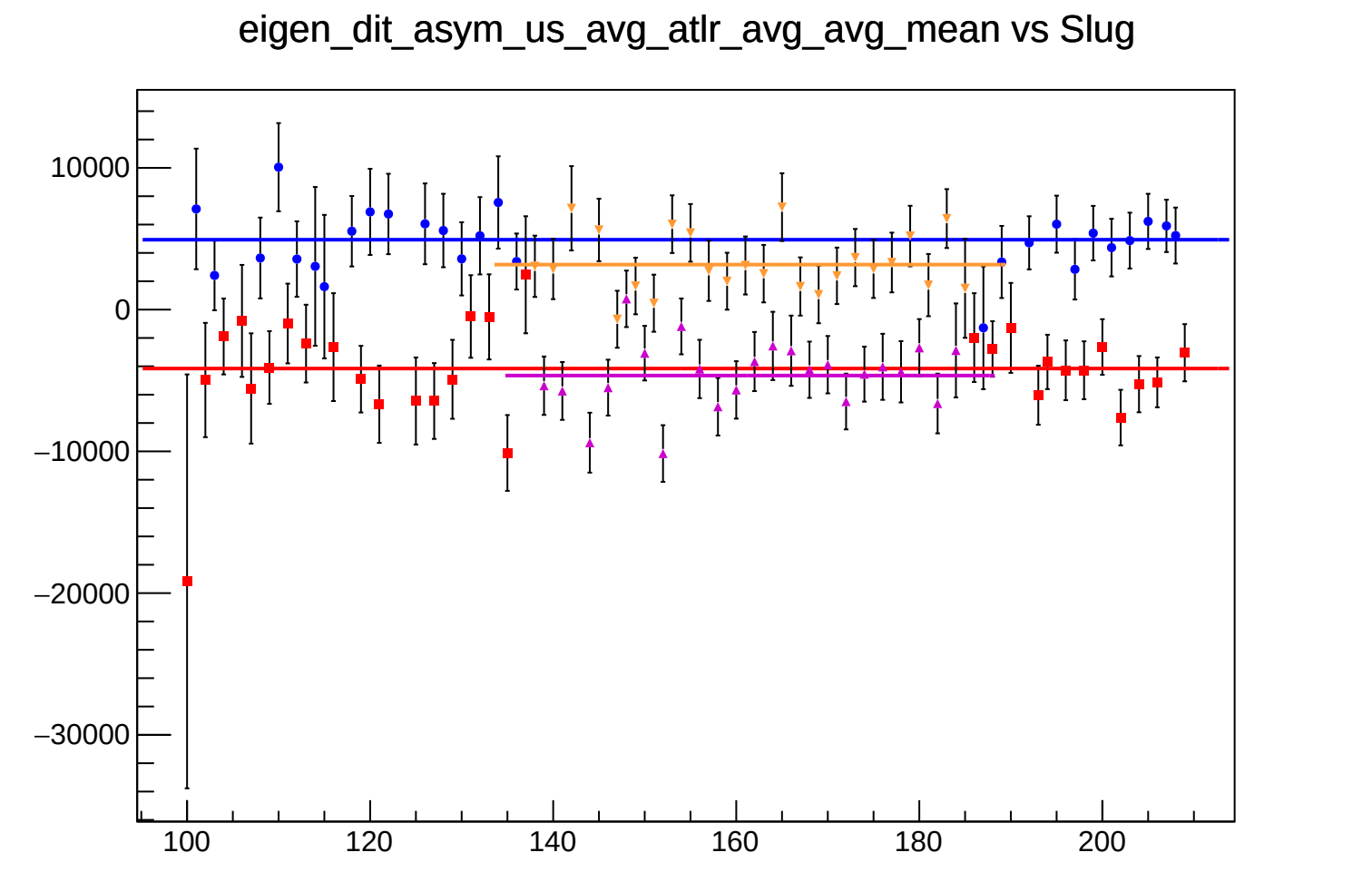
Right Out: 5455.598+/-1.000 χ^2/NDF: 3748332.3/29

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6144.966+/-0.764 χ^2/NDF: 3333589.2/50

All: 6015.428+/-0.529 χ^2/NDF: 8777843.6/10

- sign 5895.926+/-0.734 χ^2/NDF: 5388973.7/52



Right In: 4931.048+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4157.080+/-460.877 χ^2/NDF: 24.8/29

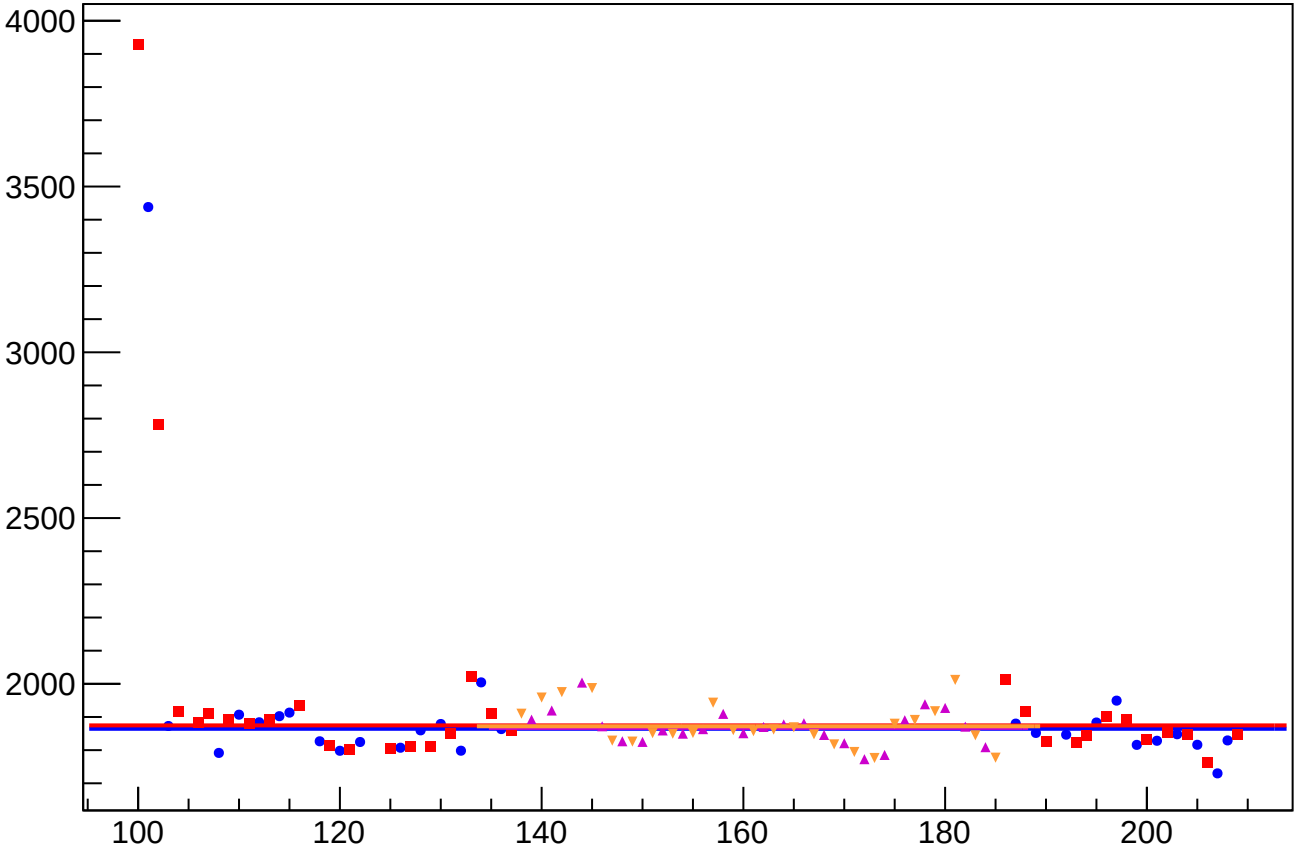
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3982.652+/-319.503 χ^2/NDF: 41.3/50

All: -252.973+/-224.963 χ^2/NDF: 445.8/103

- sign -4417.334+/-316.804 χ^2/NDF: 55.9/52

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

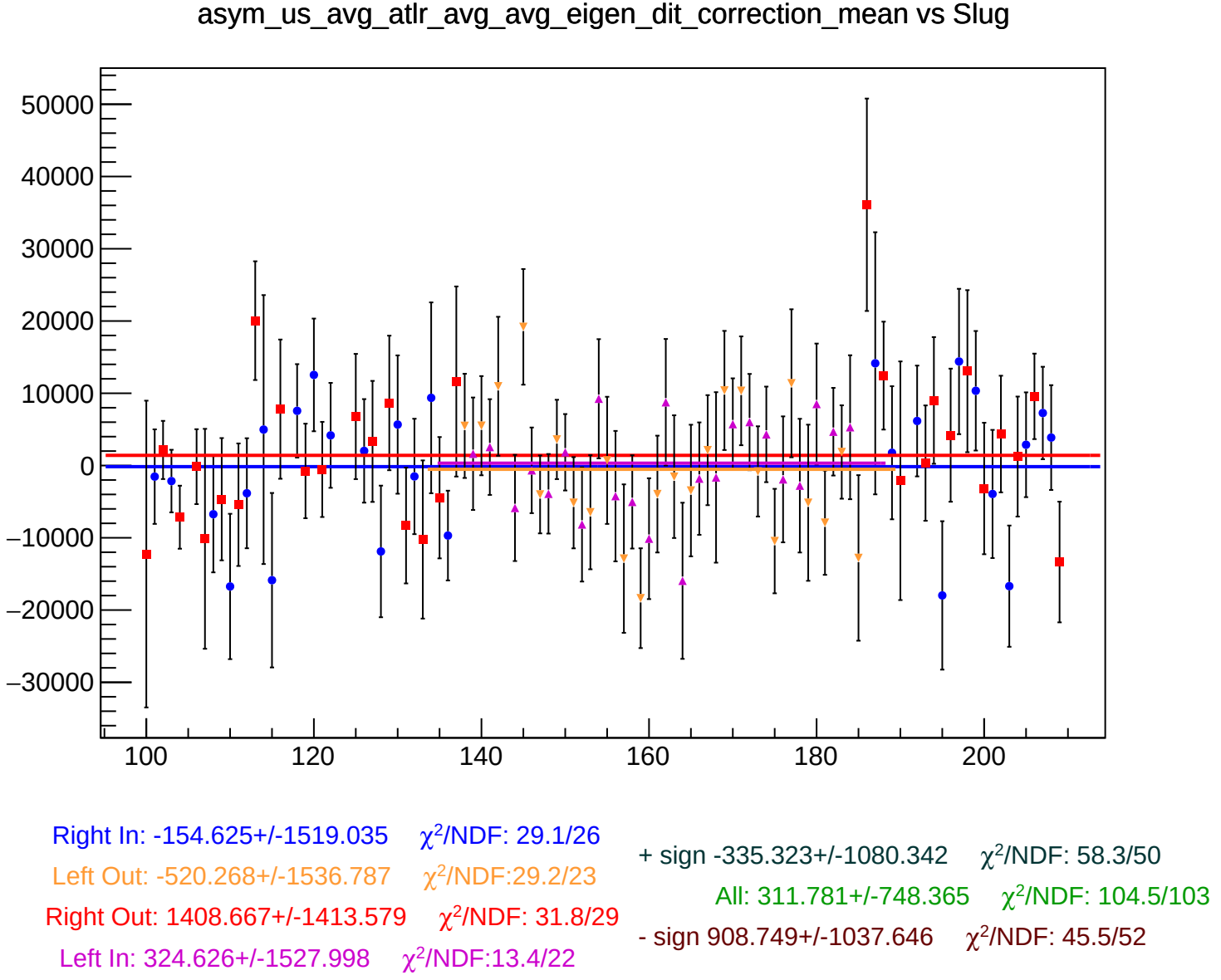
Right Out: 1874.656+/-0.326 χ^2/NDF: 170878.2/29

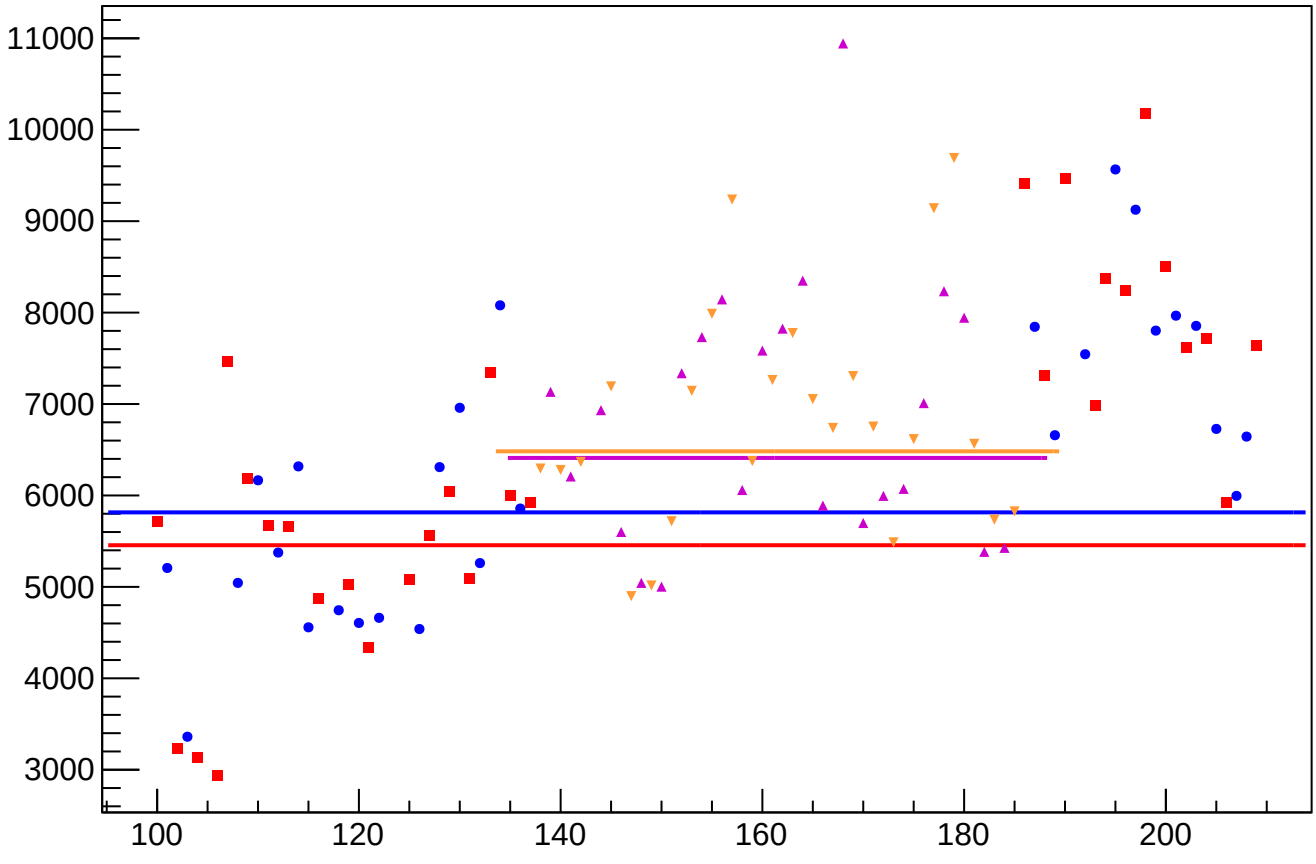
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1868.495+/-0.226 χ^2/NDF: 339031.3/50

All: 1869.588+/-0.159 χ^2/NDF: 537489.0/103

- sign 1870.662+/-0.224 χ^2/NDF: 198411.3/52


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: -154.625+/-1519.035 χ²/NDF: 29.1/26
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 1408.667+/-1413.579 χ²/NDF: 31.8/29
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -335.323+/-1080.342 χ²/NDF: 58.3/50
All: 311.781+/-748.365 χ²/NDF: 104.5/103
- sign 908.749+/-1037.646 χ²/NDF: 45.5/52



Right In: 5814.950+/-1.074 χ^2/NDF: 2068025.3/26

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5455.588+/-1.000 χ^2/NDF: 3748360.3/29

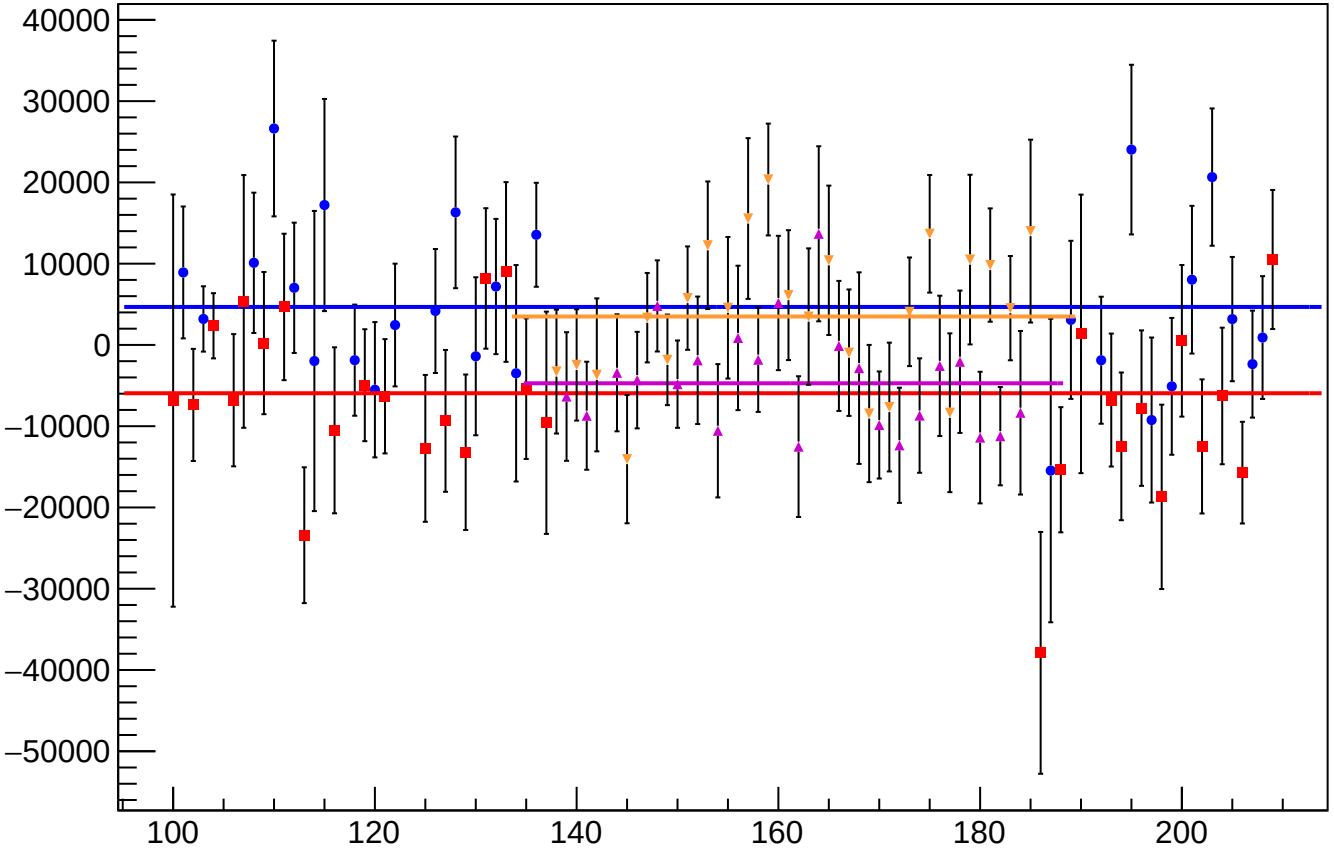
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6144.966+/-0.764 χ^2/NDF: 3333628.6/50

All: 6015.427+/-0.529 χ^2/NDF: 8777932.2/10

- sign 5895.924+/-0.734 χ^2/NDF: 5389022.0/52

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4674.034+/-1567.250 χ^2/NDF: 26.6/26

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5944.057+/-1540.872 χ^2/NDF: 32.6/29

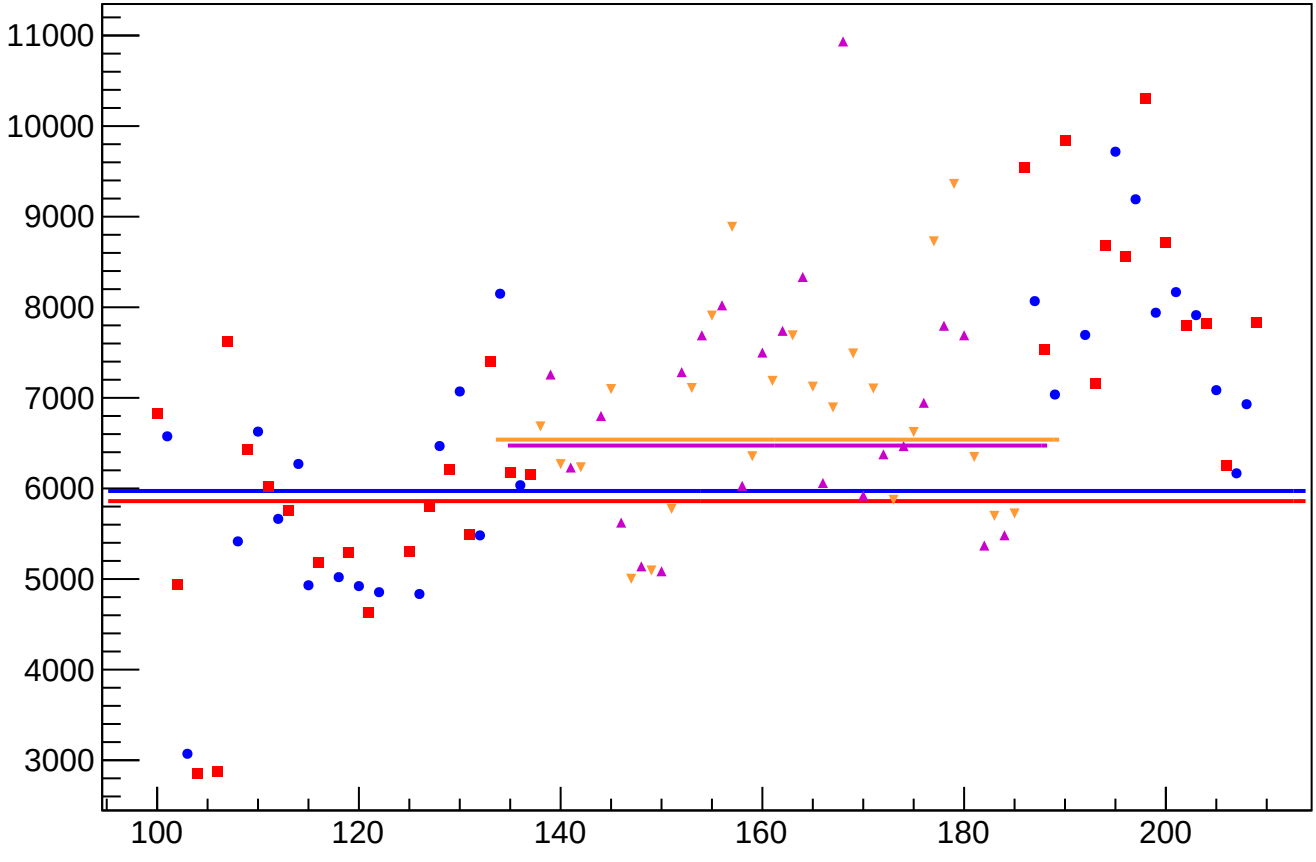
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4077.504+/-1100.565 χ^2/NDF: 54.4/50

All: -676.671+/-774.082 χ^2/NDF: 138.5/103

- sign -5331.122+/-1088.961 χ^2/NDF: 47.2/52

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5972.140+/-1.108 χ^2/NDF: 2348223.4/26

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

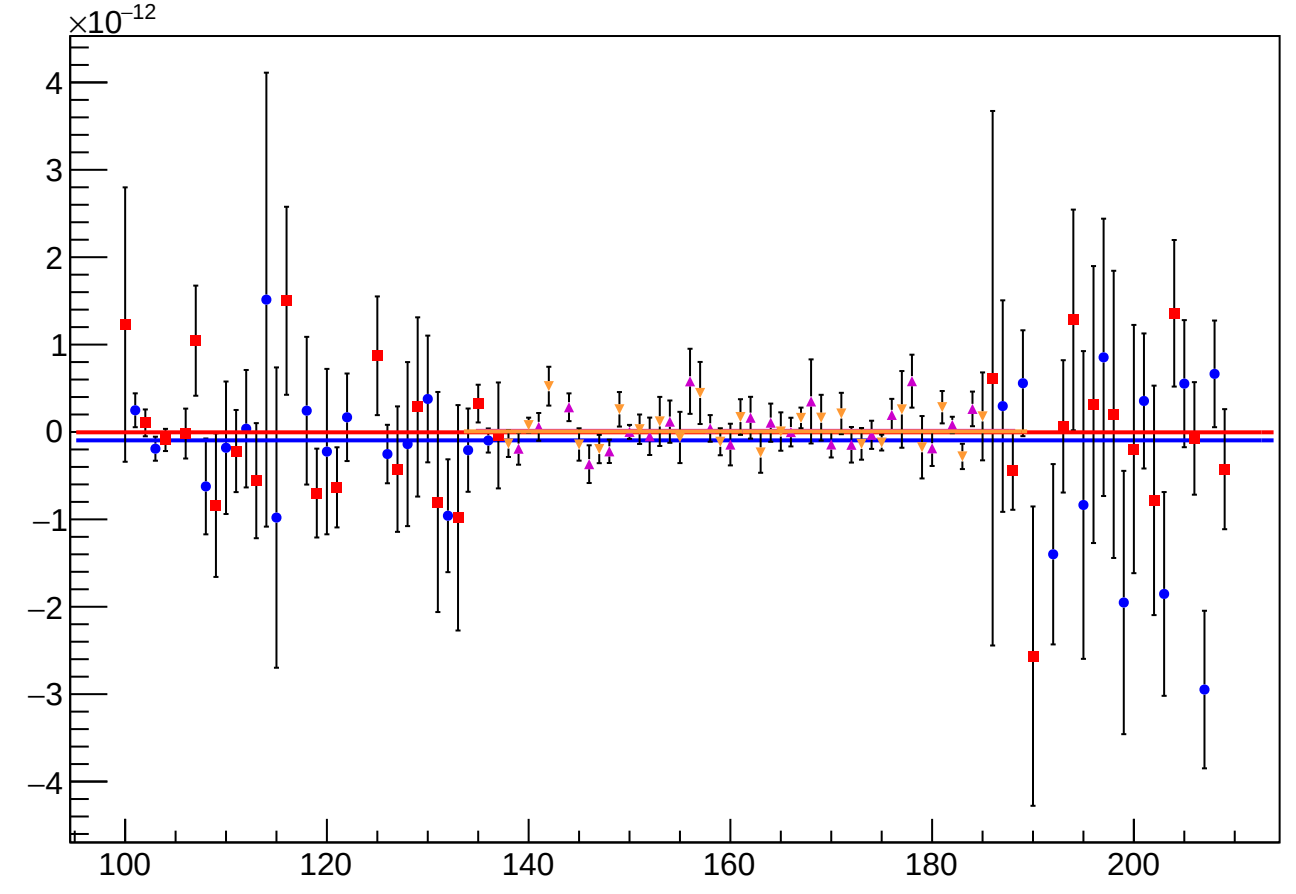
Right Out: 5860.245+/-1.075 χ^2/NDF: 3361113.4/29

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6259.317+/-0.778 χ^2/NDF: 3401319.0/50

All: 6210.408+/-0.546 χ^2/NDF: 8002611.4/10

- sign 6163.156+/-0.765 χ^2/NDF: 4593526.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

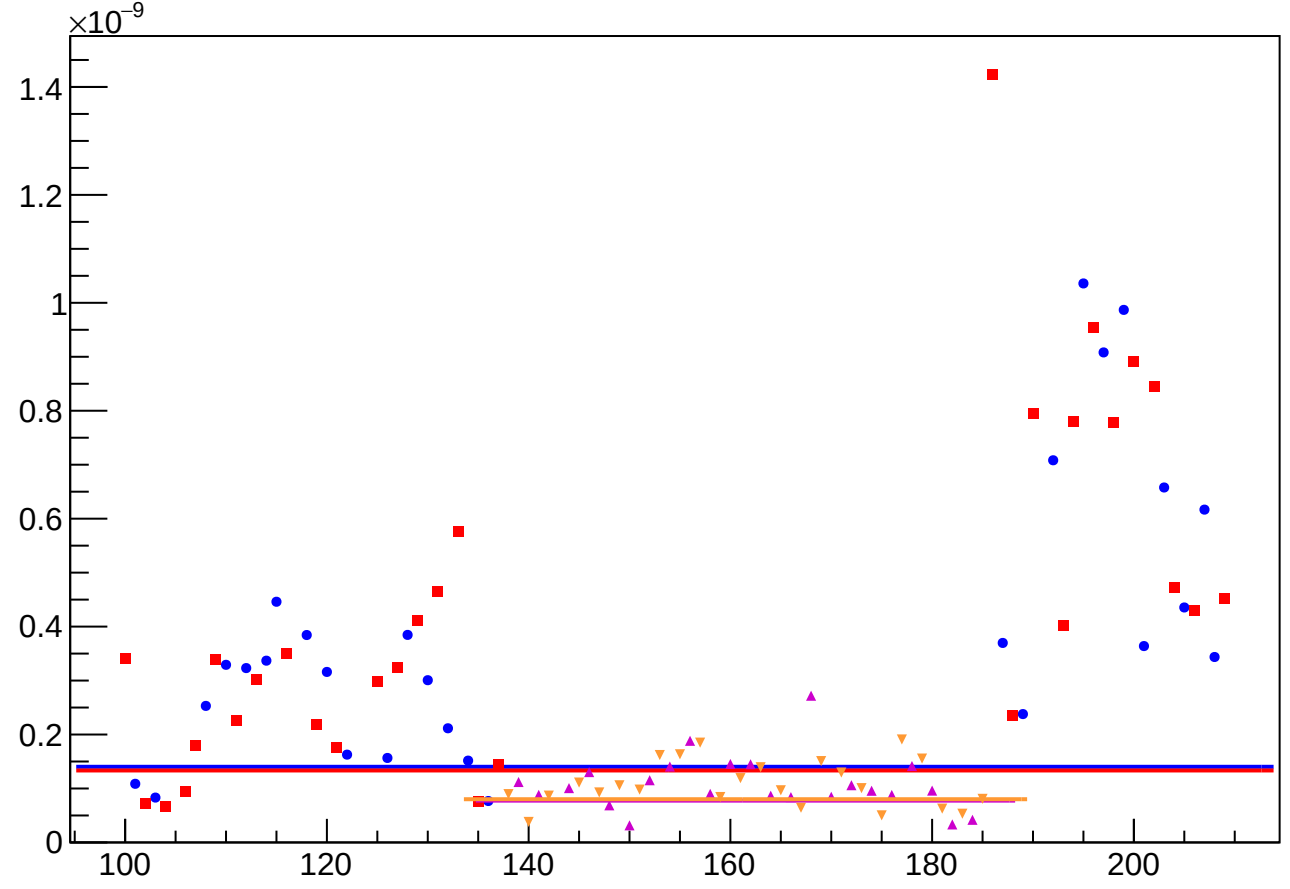
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/29

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/50

All: -0.000+/-0.000 χ^2/NDF: 106.1/103

- sign 0.000+/-0.000 χ^2/NDF: 49.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 5776110.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

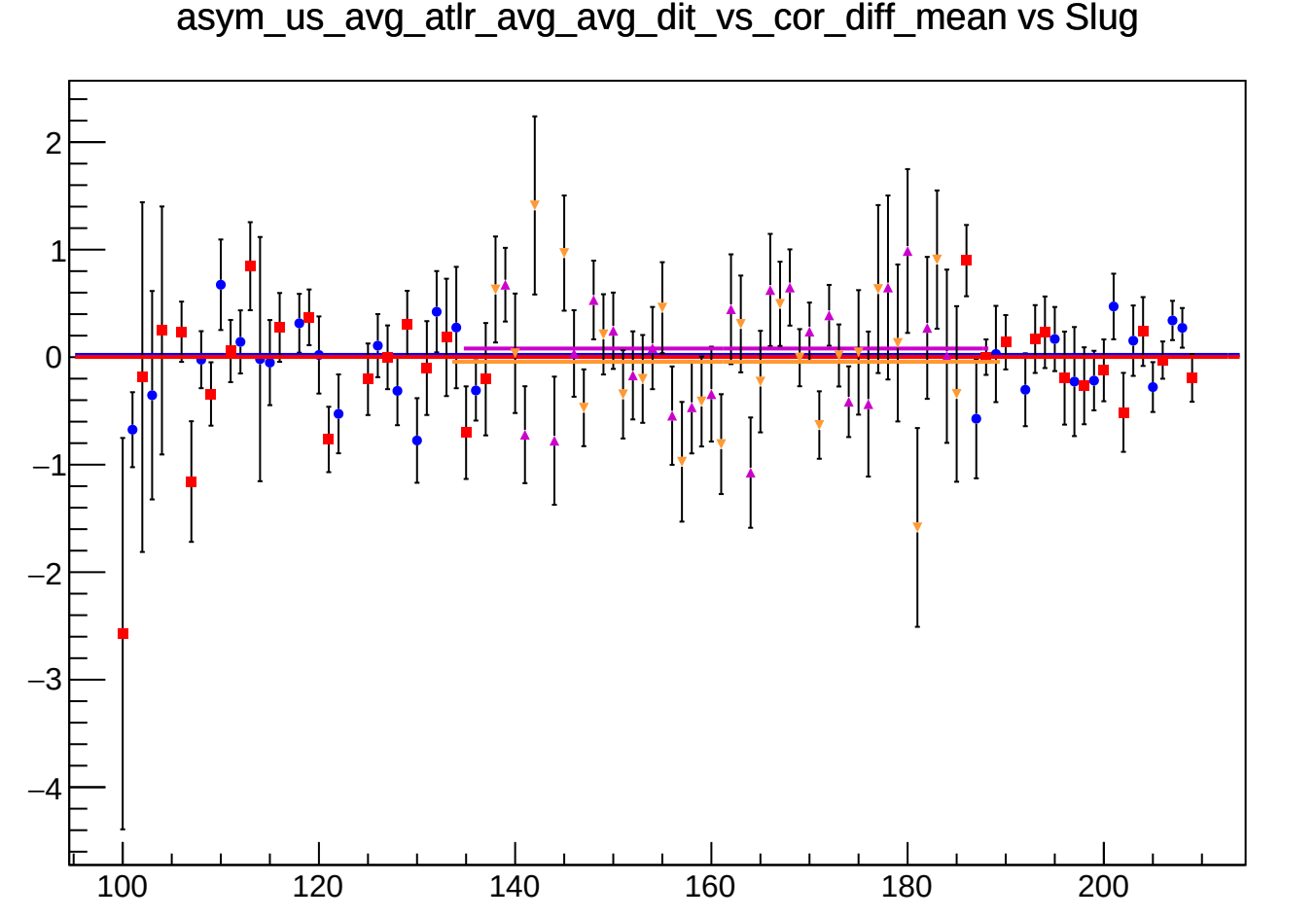
Right Out: 0.000+/-0.000 χ^2/NDF: 7095623.6/29

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8988504.0/50

All: 0.000+/-0.000 χ^2/NDF: 19678796.8/103

- sign 0.000+/-0.000 χ^2/NDF: 10678511.8/52



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

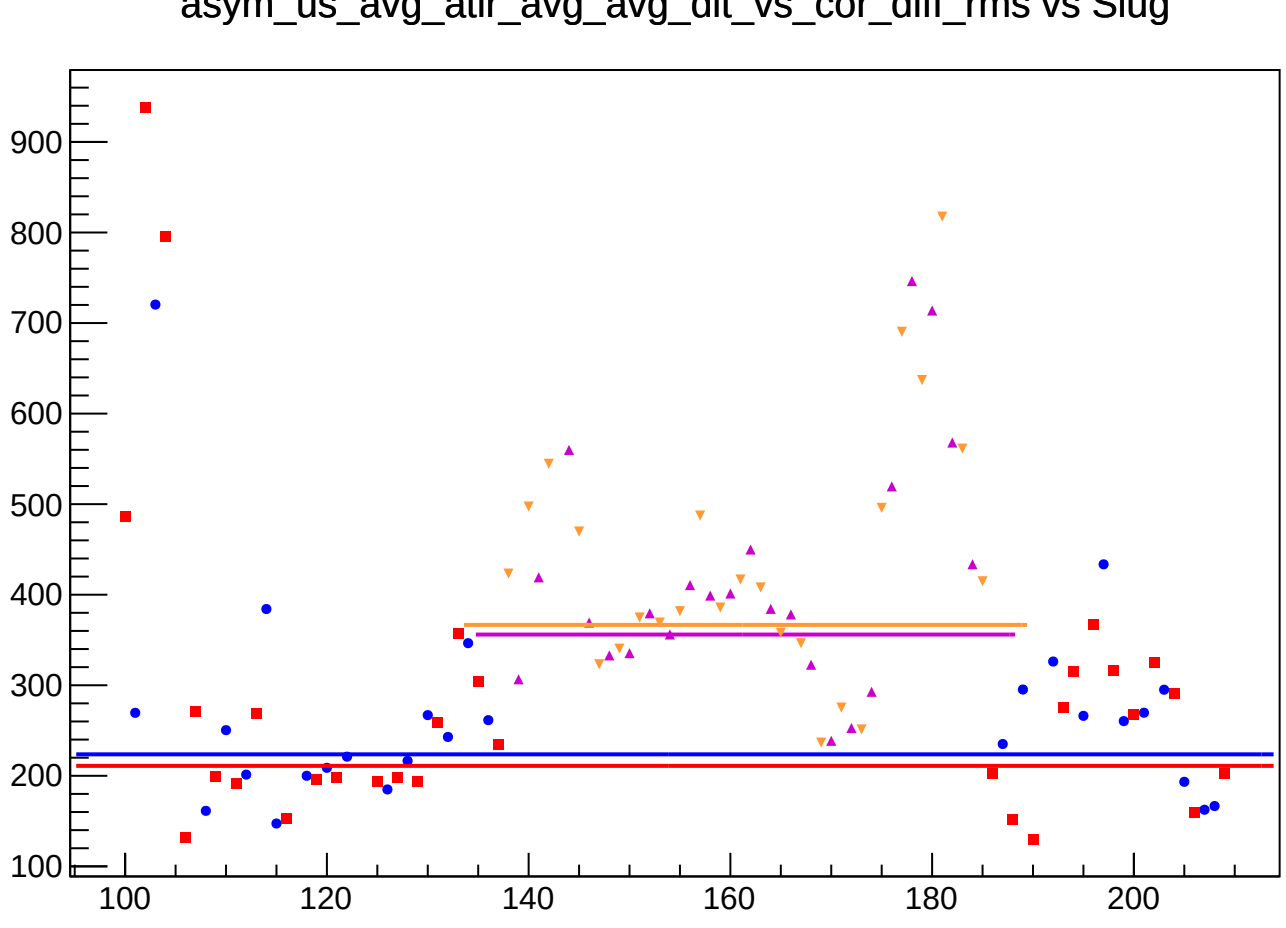
Right Out: 0.002+/-0.057 χ^2/NDF: 38.8/29

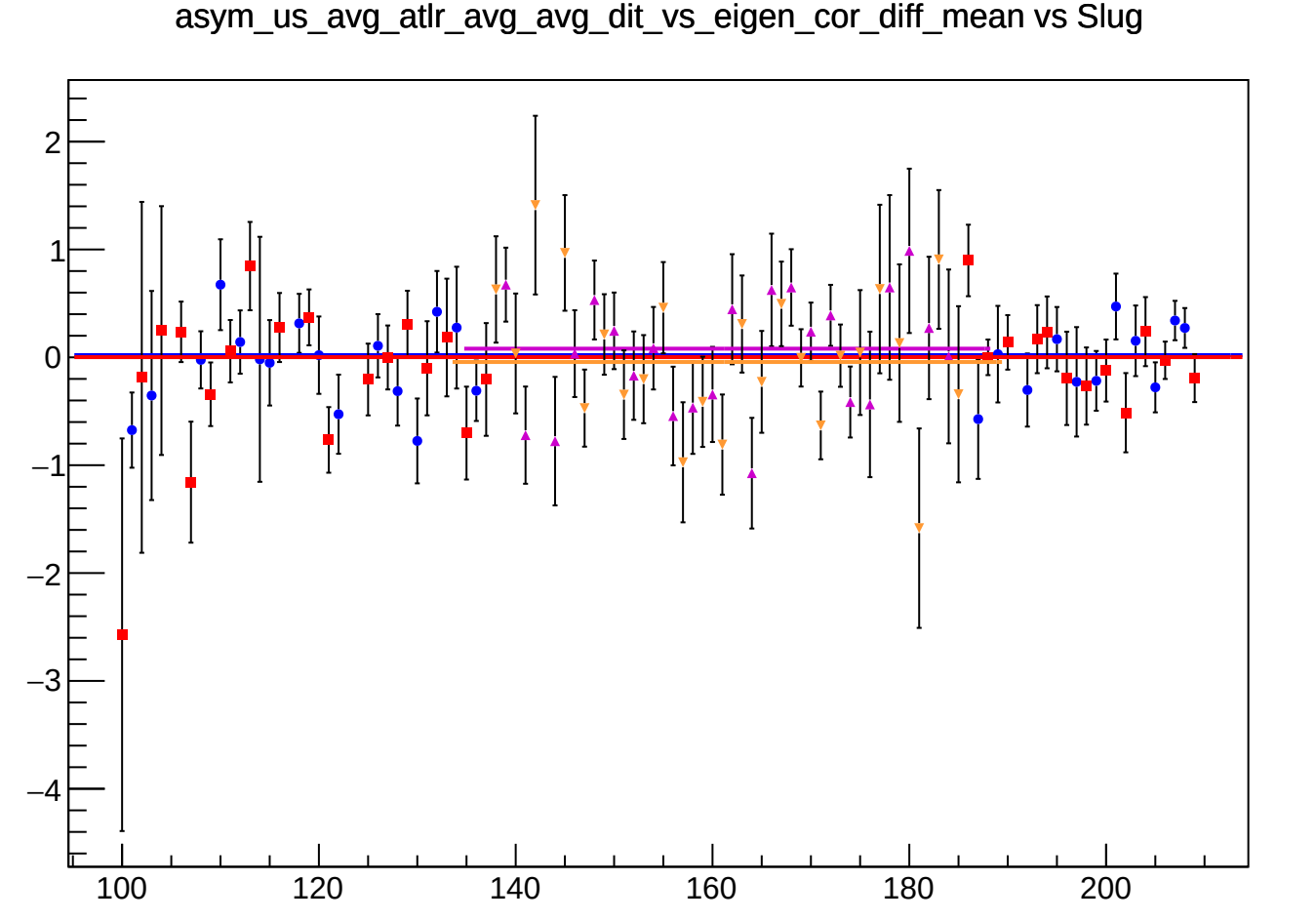
Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.001+/-0.050 χ^2/NDF: 61.7/50

All: 0.014+/-0.035 χ^2/NDF: 131.5/103

- sign 0.025+/-0.048 χ^2/NDF: 69.7/52


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
Right In: 223.704+/-0.043 χ²/NDF: 2262495.5/26
Left Out: 366.670+/-0.064 χ²/NDF:2841071.8/23
Right Out: 210.987+/-0.040 χ²/NDF: 3305836.8/29
Left In: 355.992+/-0.062 χ²/NDF:2420701.1/22
+ sign 268.214+/-0.036 χ²/NDF: 8544144.7/50
All: 260.750+/-0.025 χ²/NDF: 18191728.8/10
- sign 254.047+/-0.034 χ²/NDF: 9564567.3/52



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

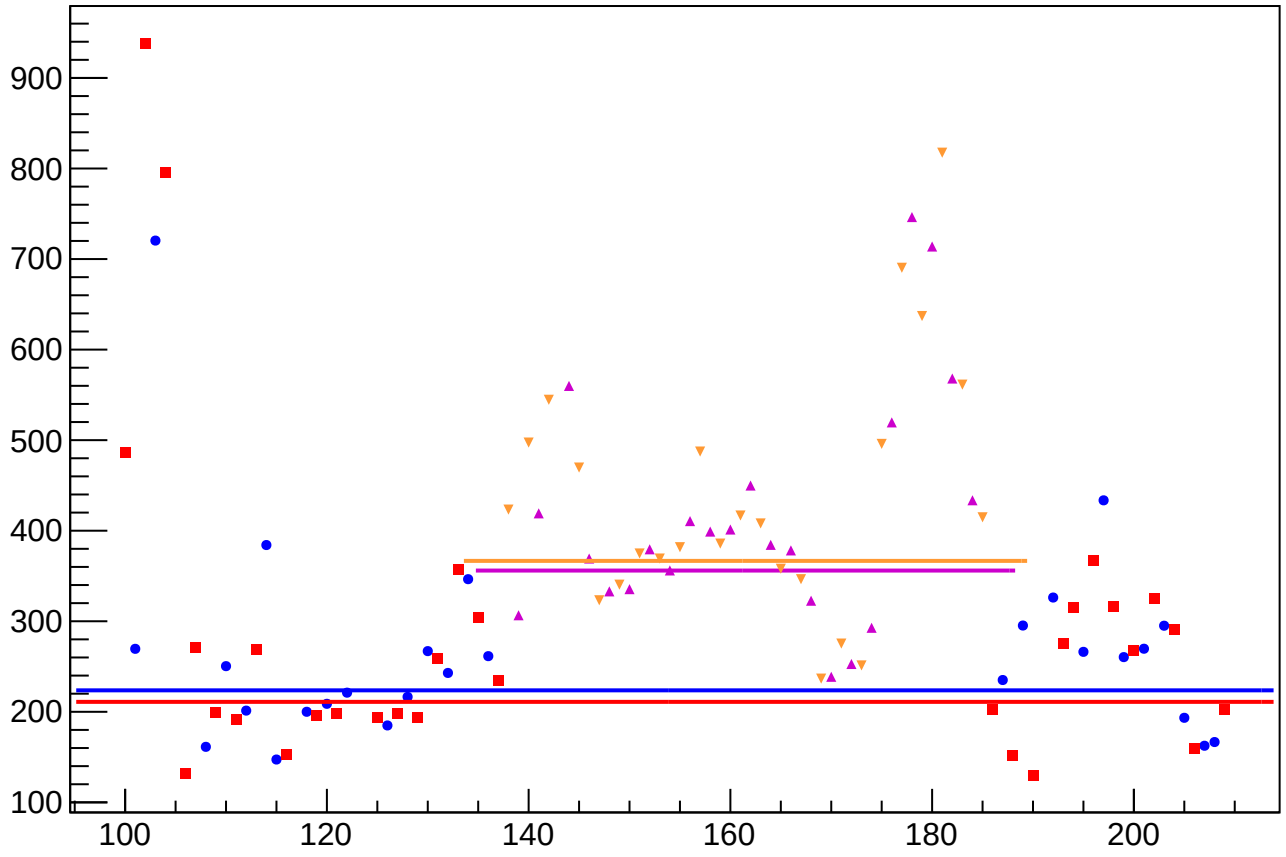
Right Out: 0.002+/-0.057 χ^2/NDF: 38.8/29

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.001+/-0.050 χ^2/NDF: 61.7/50

All: 0.014+/-0.035 χ^2/NDF: 131.5/103

- sign 0.025+/-0.048 χ^2/NDF: 69.7/52



Right In: 223.704+/-0.043 χ^2/NDF: 2262495.5/26

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

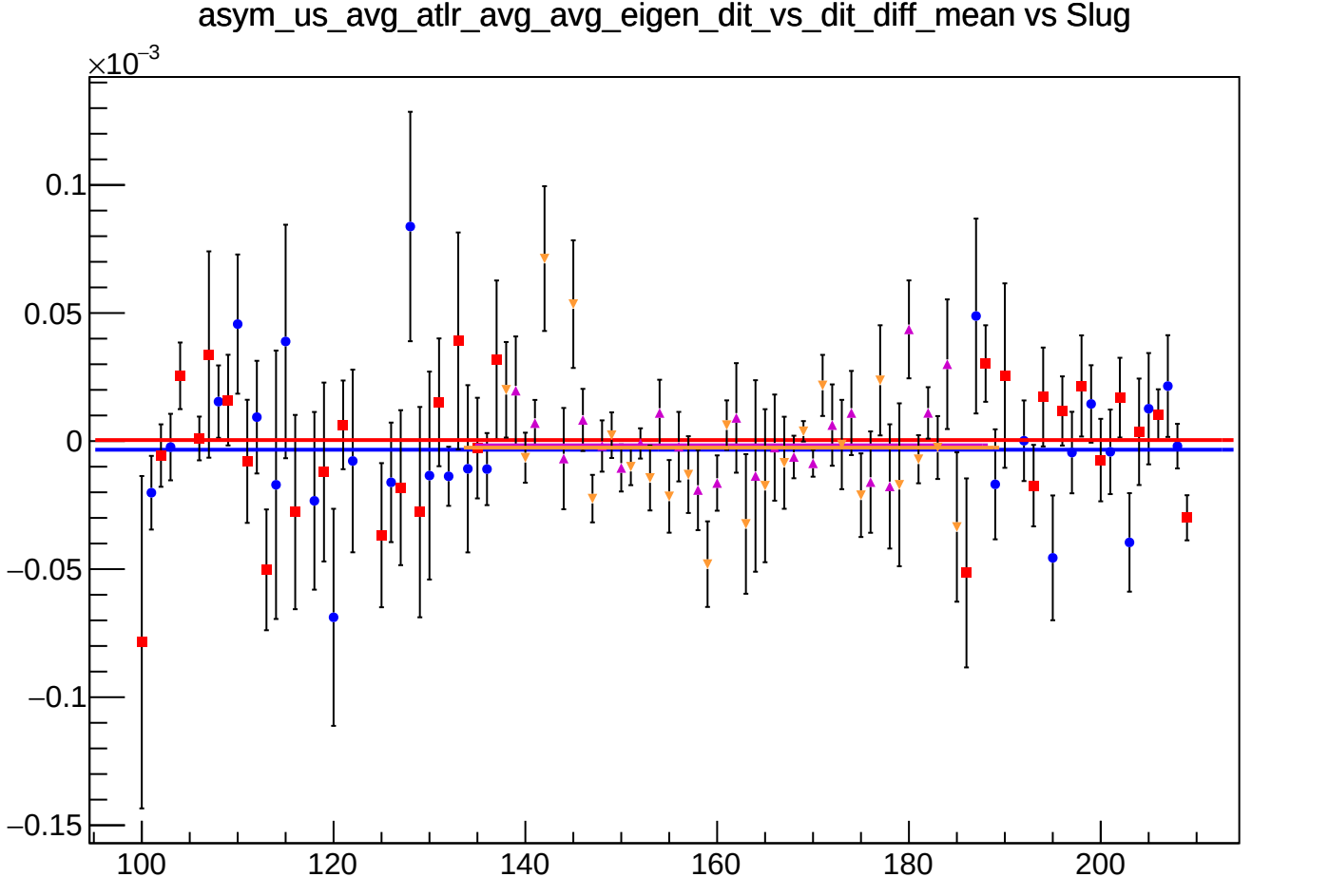
Right Out: 210.987+/-0.040 χ^2/NDF: 3305836.8/29

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 268.214+/-0.036 χ^2/NDF: 8544144.7/50

All: 260.750+/-0.025 χ^2/NDF: 18191728.8/10

- sign 254.047+/-0.034 χ^2/NDF: 9564567.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

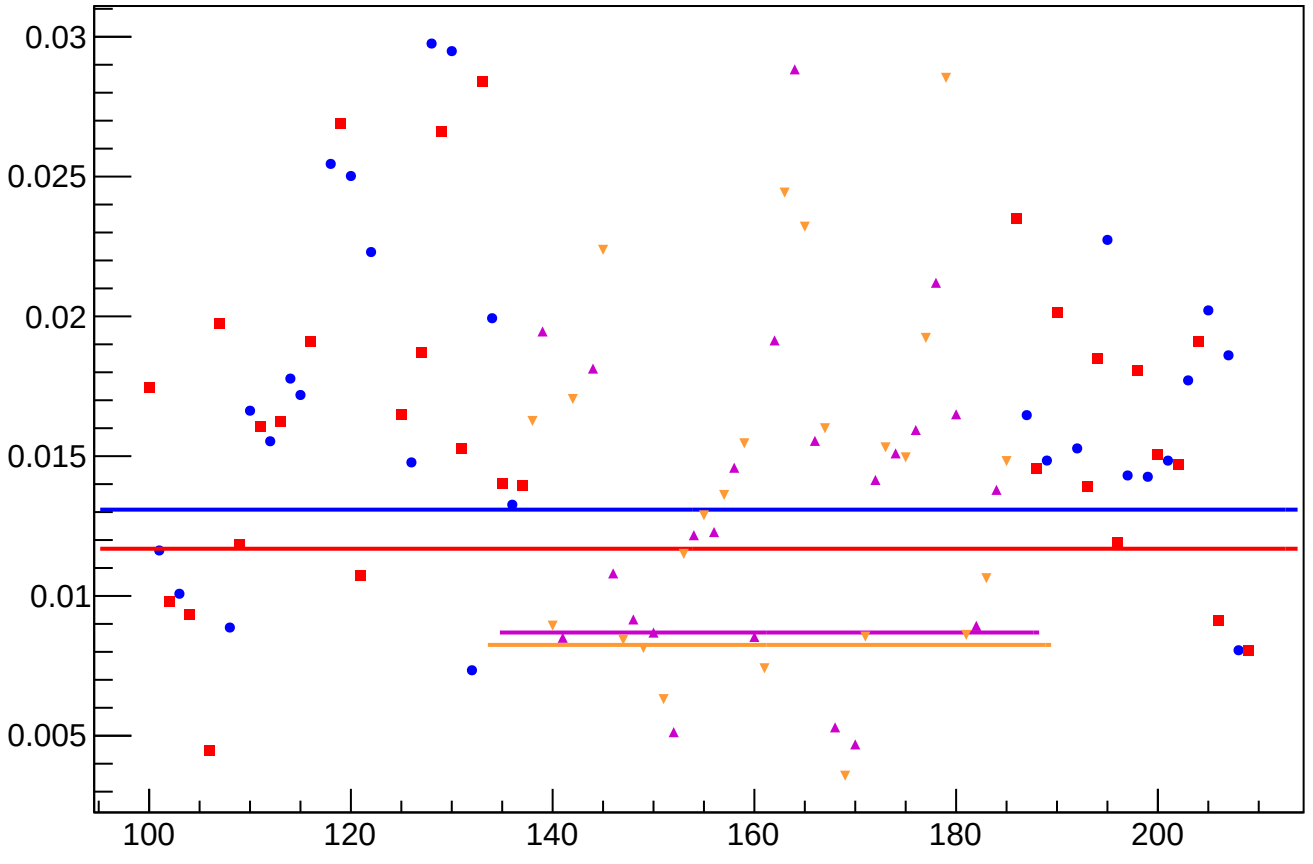
Right Out: 0.000+/-0.000 χ^2/NDF: 41.9/29

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.6/50

All: -0.000+/-0.000 χ^2/NDF: 135.0/103

- sign -0.000+/-0.000 χ^2/NDF: 62.8/52



Right In: 0.013+/-0.000 χ^2/NDF: 3723116.4/26

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

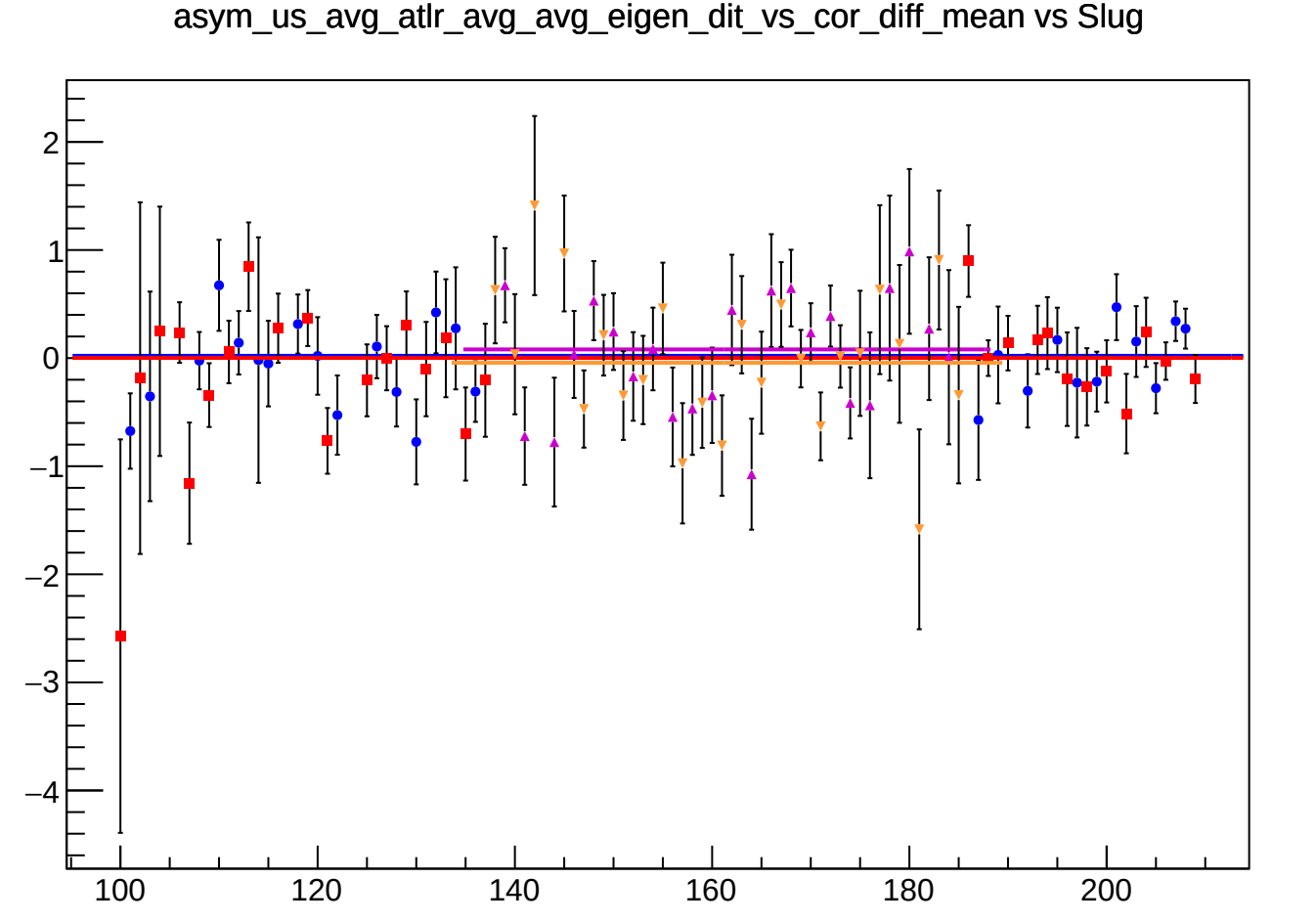
Right Out: 0.012+/-0.000 χ^2/NDF: 4836950.2/29

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 15252303.2/50

All: 0.010+/-0.000 χ^2/NDF: 28135868.8/103

- sign 0.010+/-0.000 χ^2/NDF: 12879920.3/52



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

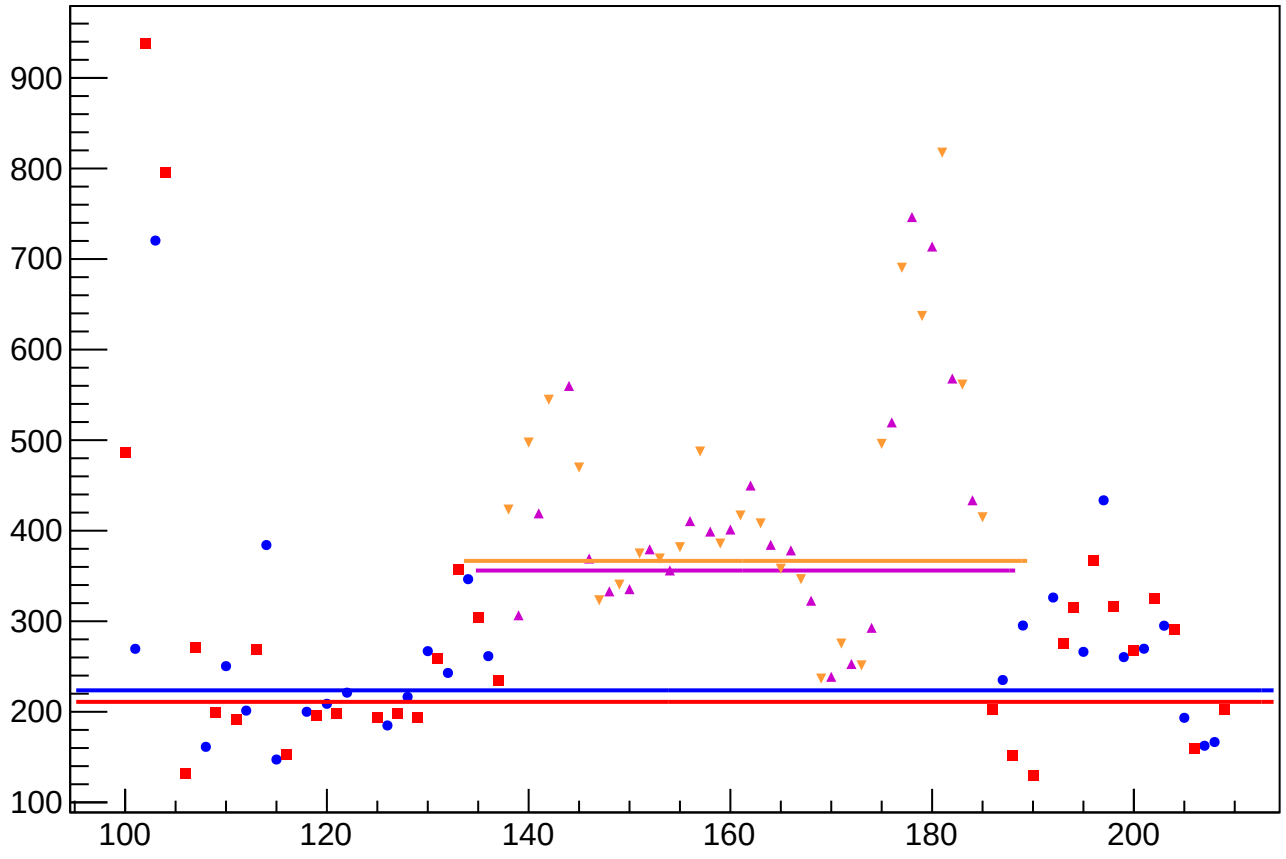
Right Out: 0.002+/-0.057 χ^2/NDF: 38.8/29

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.001+/-0.050 χ^2/NDF: 61.7/50

All: 0.014+/-0.035 χ^2/NDF: 131.5/103

- sign 0.025+/-0.048 χ^2/NDF: 69.7/52



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

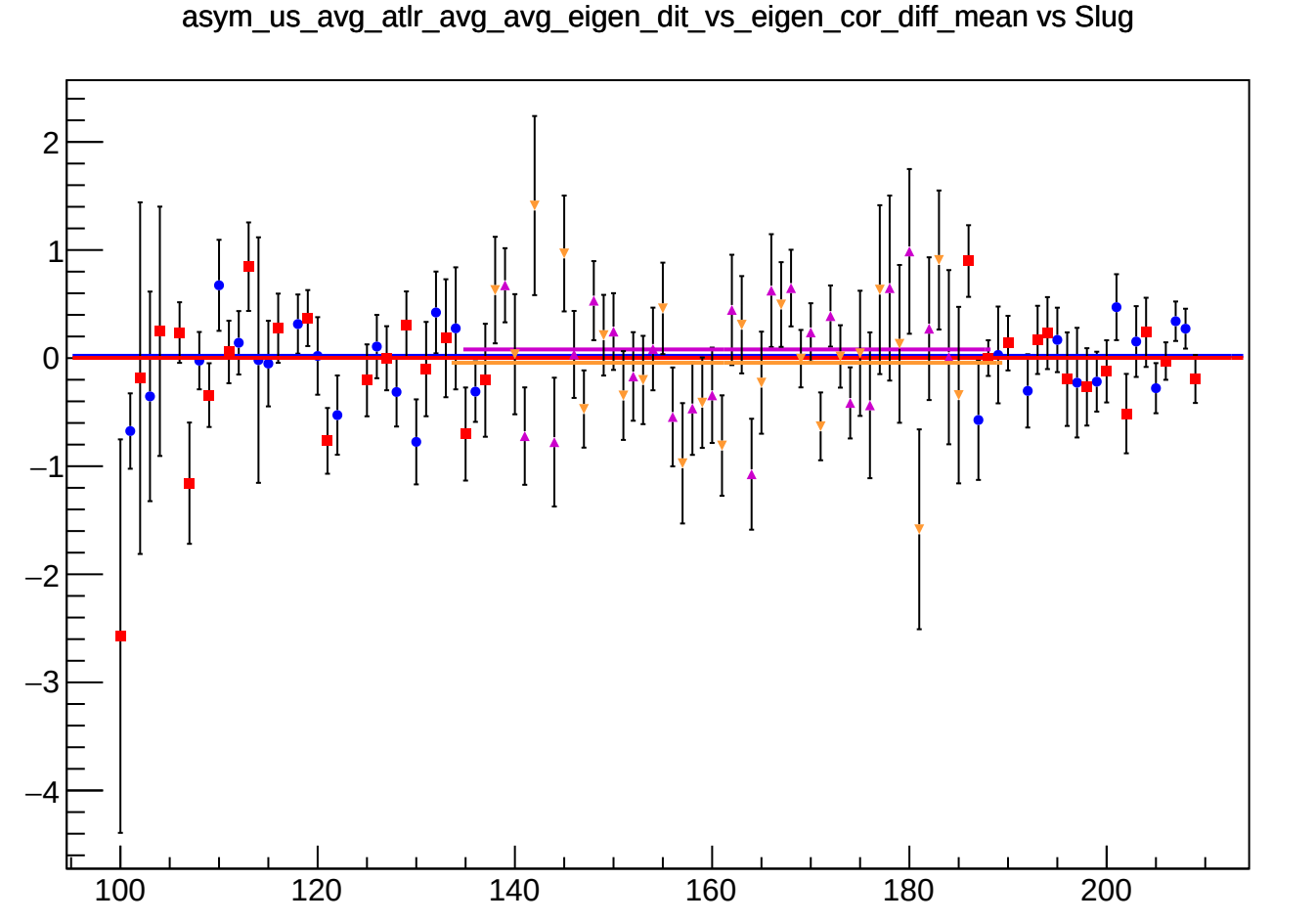
Right Out: 210.984+/-0.040 χ^2/NDF: 3305917.9/29

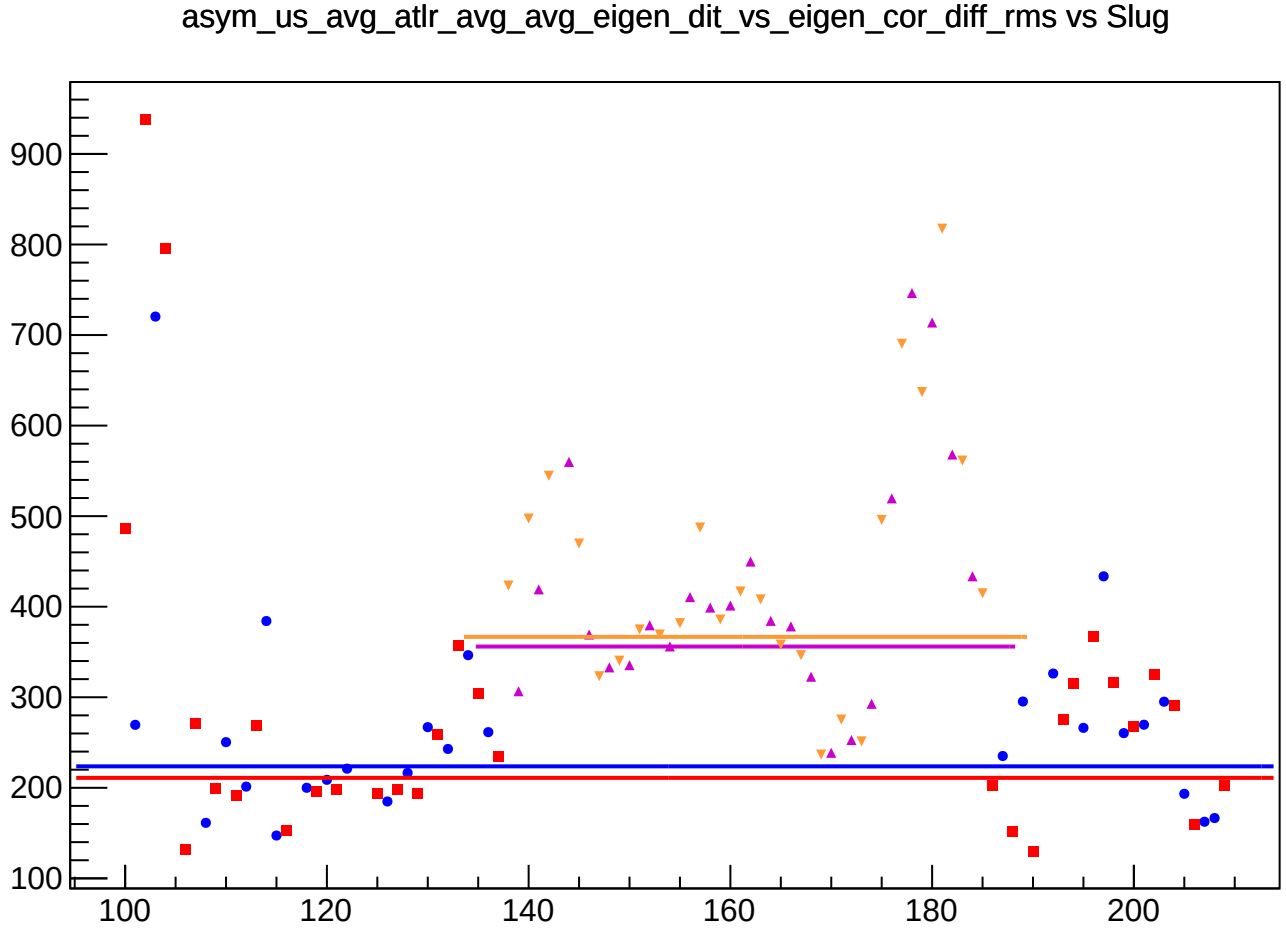
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 268.212+/-0.036 χ^2/NDF: 8544493.0/50

All: 260.748+/-0.025 χ^2/NDF: 18192542.0/10

- sign 254.045+/-0.034 χ^2/NDF: 9565021.7/52


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.021+/-0.061 χ²/NDF: 30.4/26
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.002+/-0.057 χ²/NDF: 38.8/29
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign 0.001+/-0.050 χ²/NDF: 61.7/50
All: 0.014+/-0.035 χ²/NDF: 131.5/103
- sign 0.025+/-0.048 χ²/NDF: 69.7/52



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

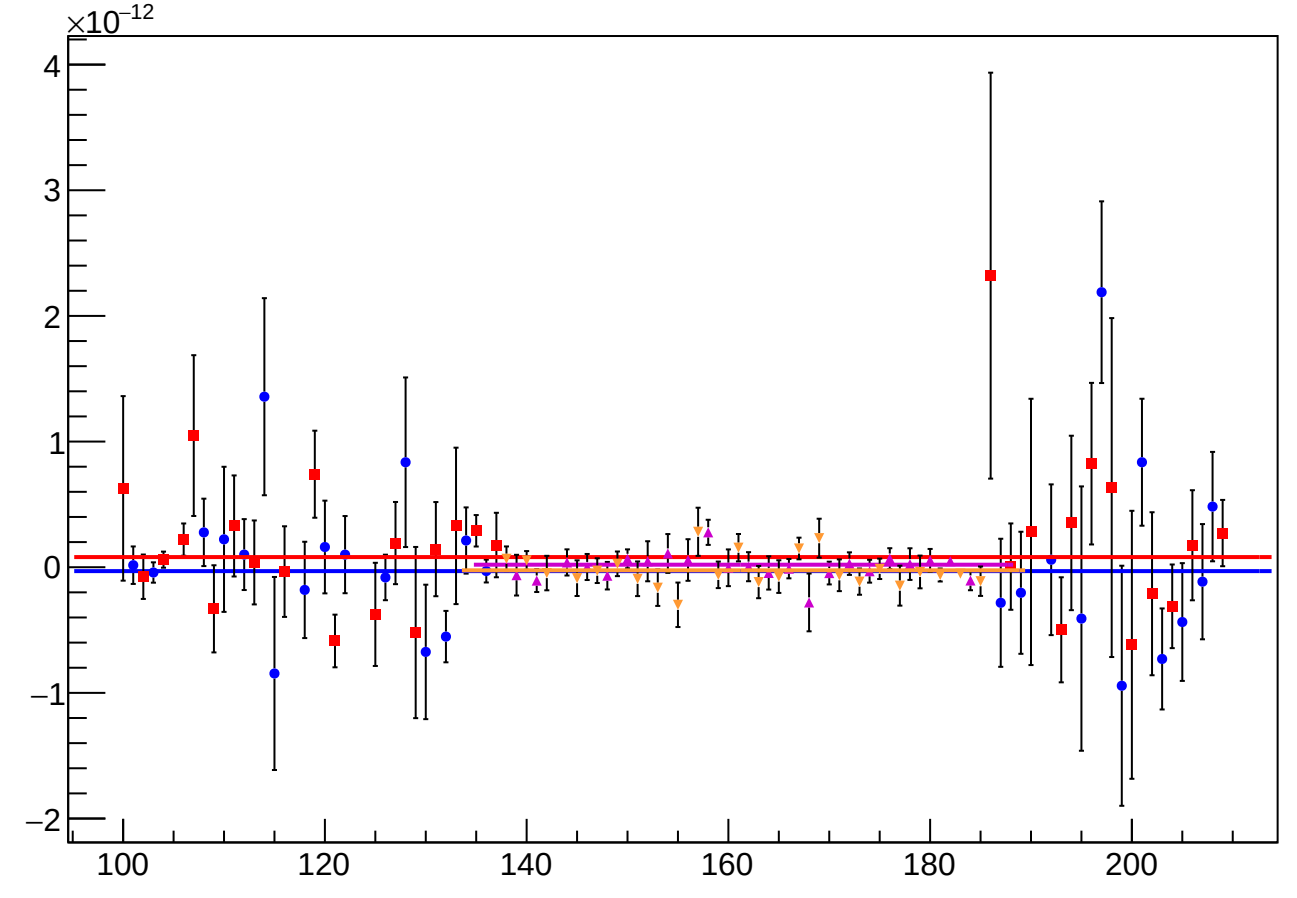
Right Out: 210.984+/-0.040 χ^2/NDF: 3305917.9/29

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 268.212+/-0.036 χ^2/NDF: 8544493.0/50

All: 260.748+/-0.025 χ^2/NDF: 18192542.0/10

- sign 254.045+/-0.034 χ^2/NDF: 9565021.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

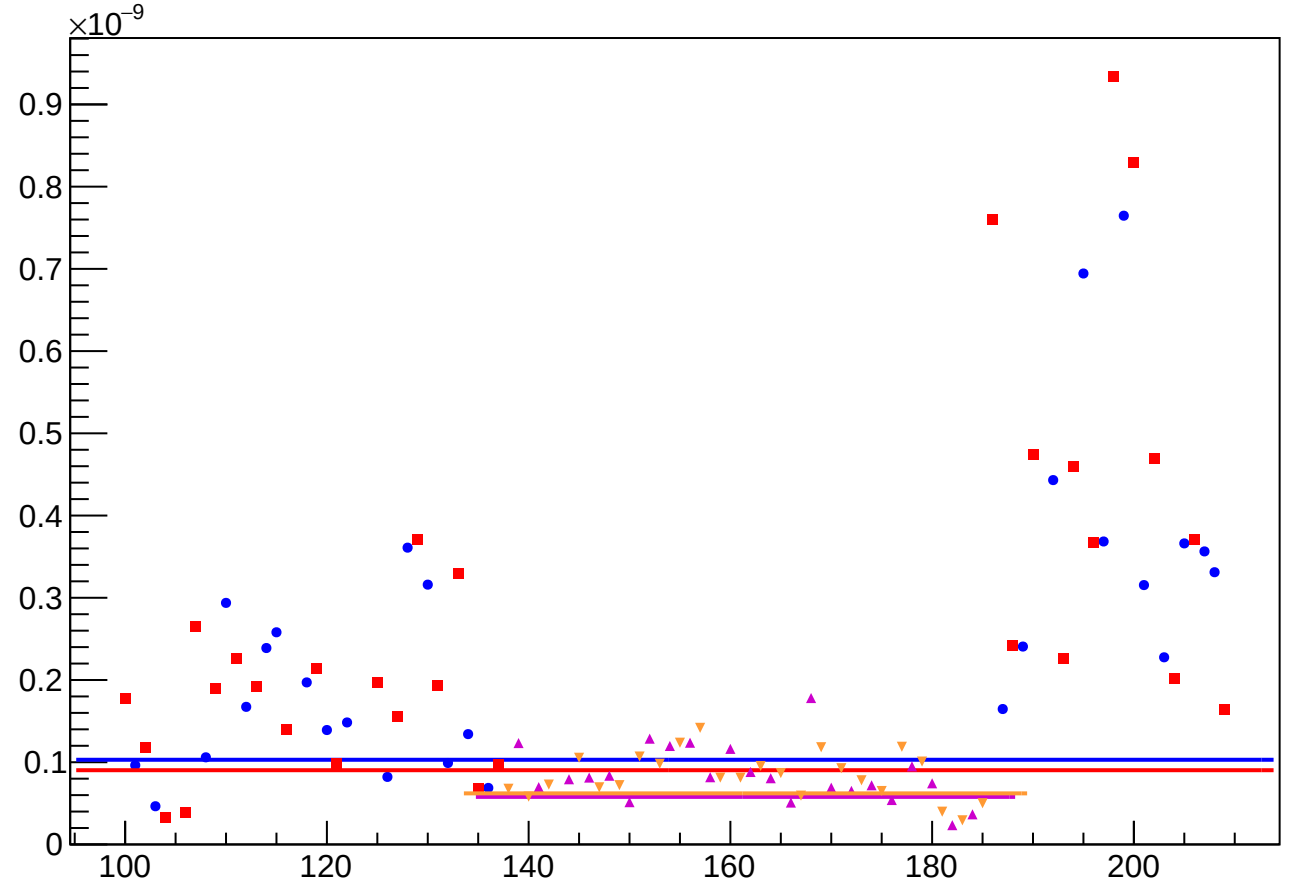
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/29

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/50

All: 0.000+/-0.000 χ^2/NDF: 116.2/103

- sign 0.000+/-0.000 χ^2/NDF: 52.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 7605754.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9877716.5/29

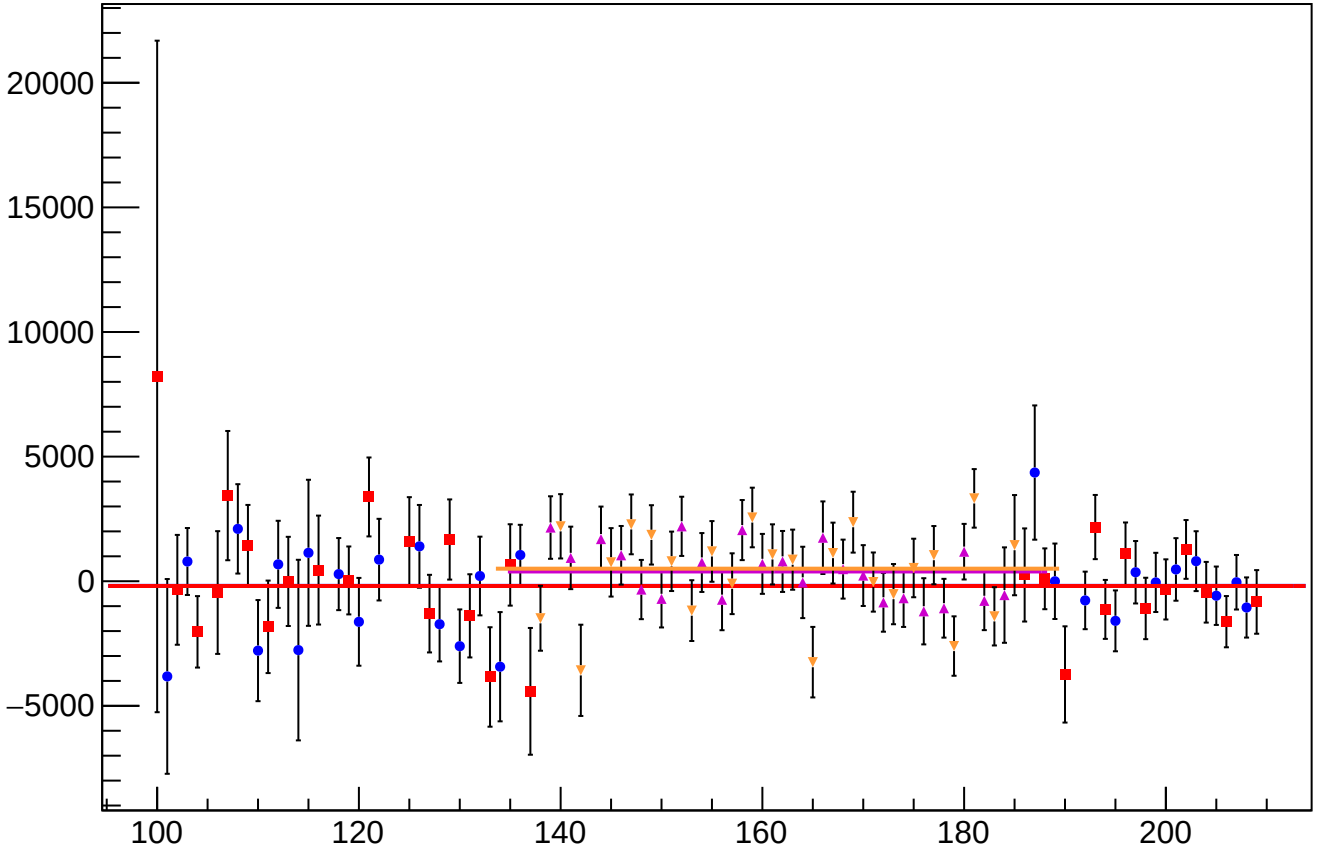
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13092156.2/50

All: 0.000+/-0.000 χ^2/NDF: 29571681.5/103

- sign 0.000+/-0.000 χ^2/NDF: 16383879.2/52

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.340+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -190.947+/-278.864 χ^2/NDF: 33.6/29

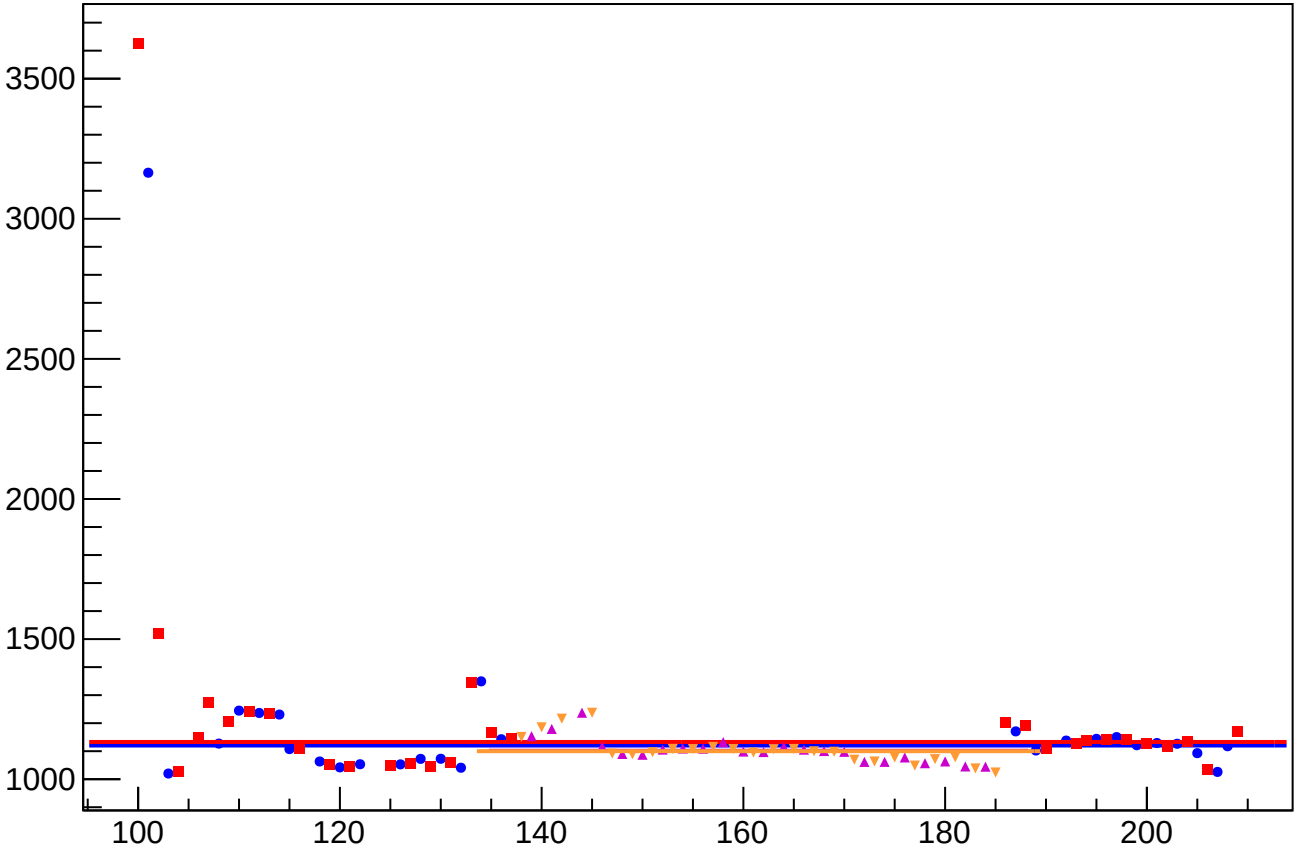
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 195.621+/-190.128 χ^2/NDF: 68.8/50

All: 159.461+/-134.089 χ^2/NDF: 122.7/103

- sign 123.676+/-189.137 χ^2/NDF: 53.8/52

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF: 641450.0/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

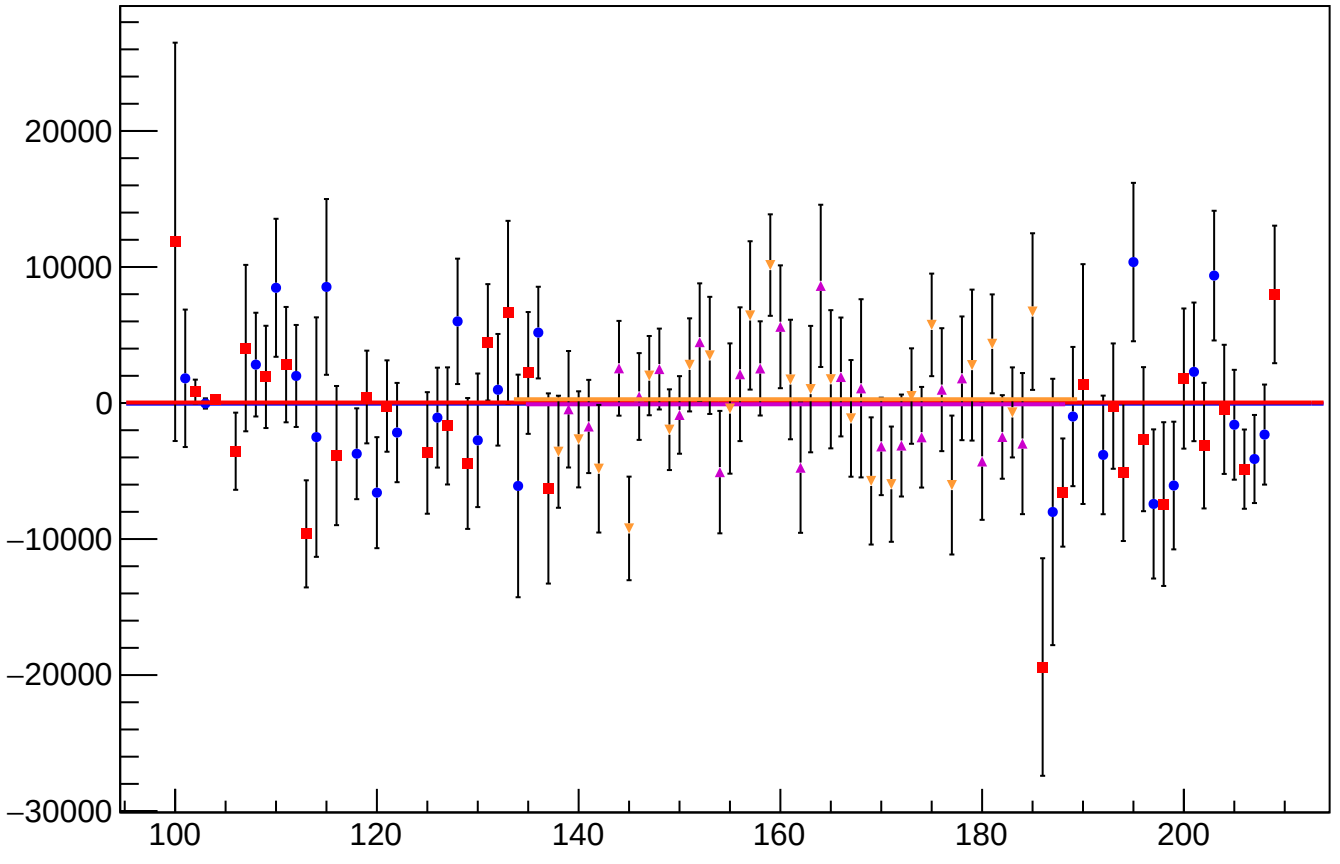
Right Out: 1132.924+/-0.197 χ^2/NDF: 248962.6/29

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.077+/-0.134 χ^2/NDF: 705759.1/50

All: 1112.550+/-0.095 χ^2/NDF: 1021893.9/10

- sign 1115.984+/-0.134 χ^2/NDF: 314808.0/52



Right In: -48.091+/-346.268 χ^2/NDF: 29.2/26

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

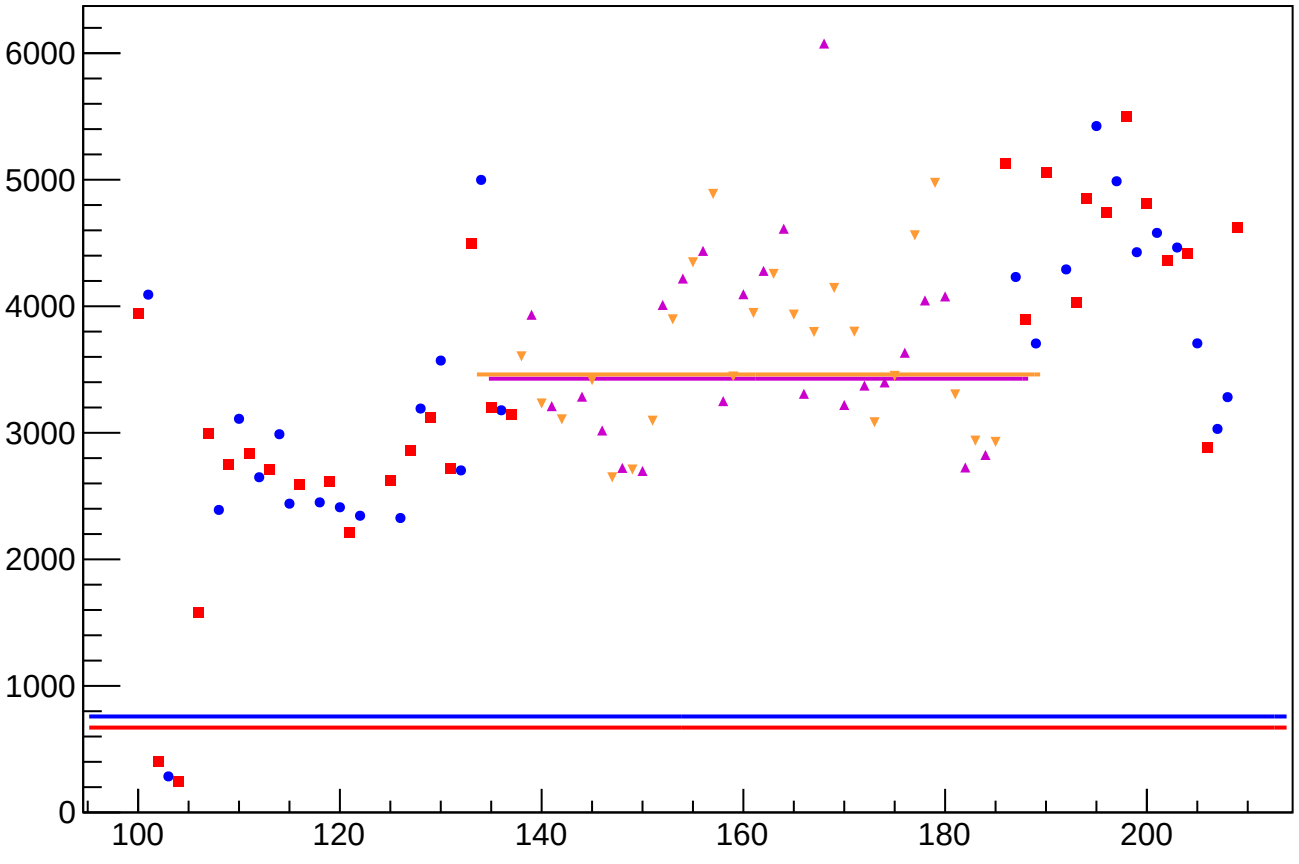
Right Out: 36.237+/-314.051 χ^2/NDF: 33.3/29

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 1.132+/-319.022 χ^2/NDF: 59.2/50

All: 11.028+/-215.856 χ^2/NDF: 106.2/103

- sign 19.385+/-293.150 χ^2/NDF: 47.0/52



Right In: 758.427+/-0.245 χ^2/NDF: 21650205.1/26

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 670.700+/-0.222 χ^2/NDF: 23407516.9/29

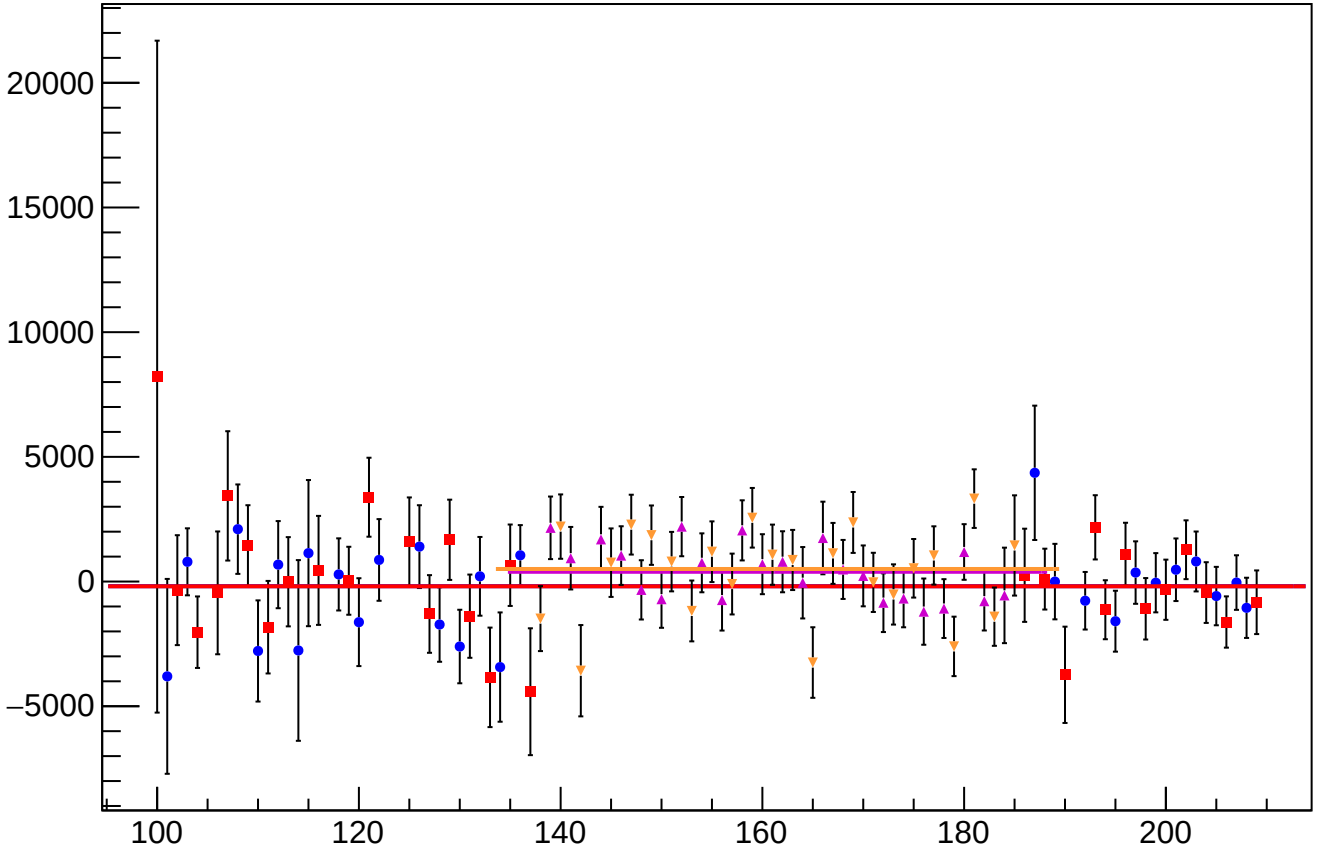
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1167.031+/-0.226 χ^2/NDF: 41130480.9/50

All: 1090.285+/-0.153 χ^2/NDF: 85830535.0/1

- sign 1025.481+/-0.207 χ^2/NDF: 44486573.6/52

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.307+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -190.981+/-278.864 χ^2/NDF: 33.6/29

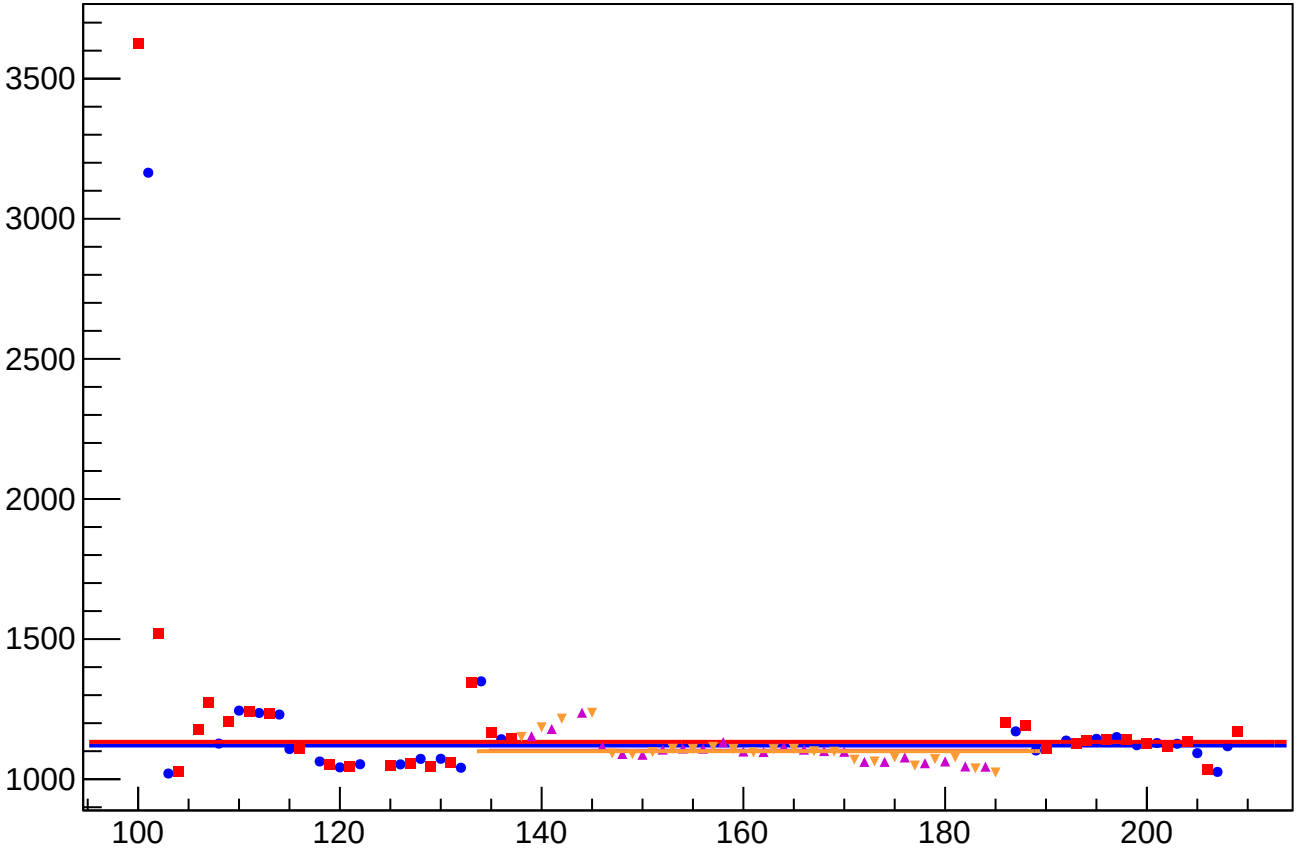
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 195.676+/-190.128 χ^2/NDF: 68.8/50

All: 159.477+/-134.089 χ^2/NDF: 122.7/103

- sign 123.653+/-189.137 χ^2/NDF: 53.8/52

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

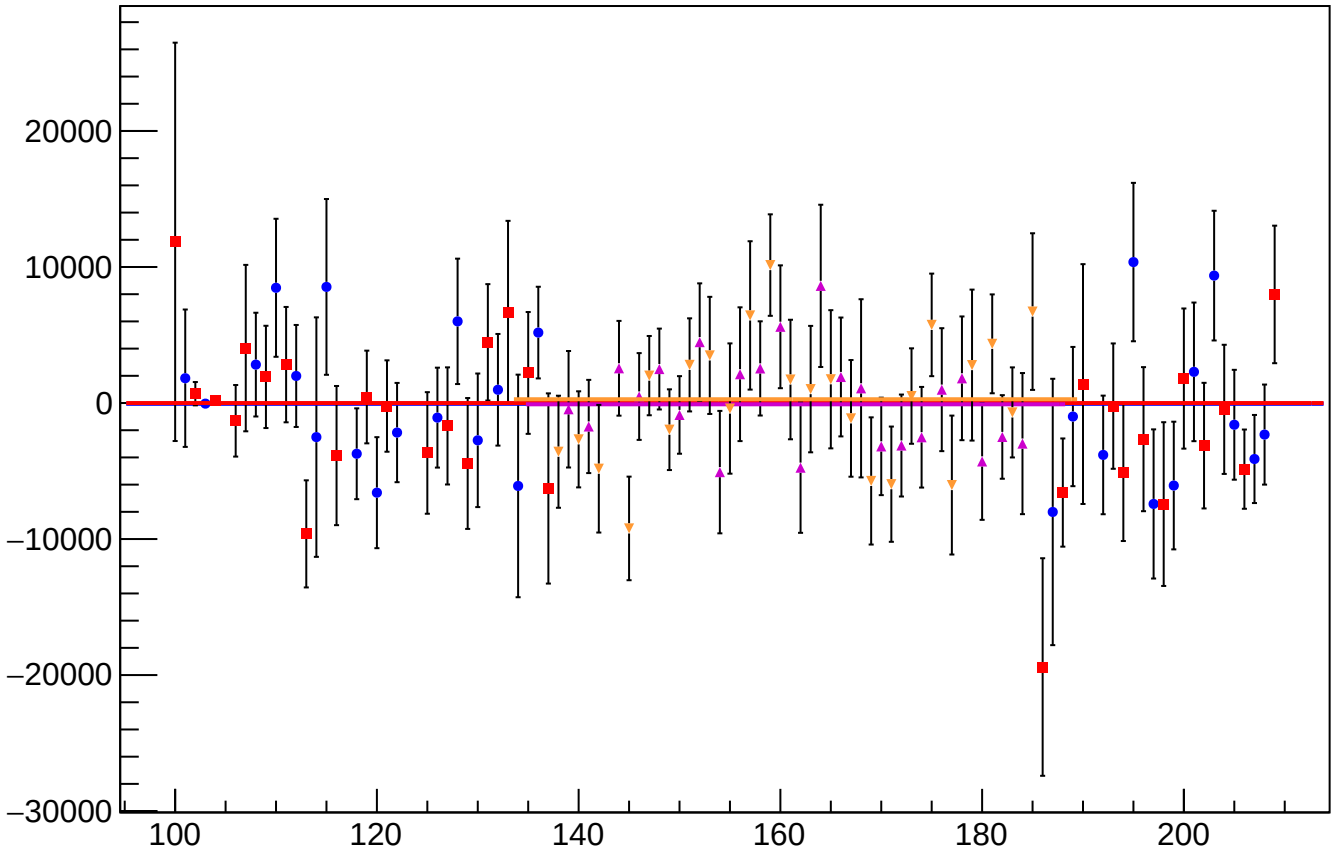
Right Out: 1133.322+/-0.197 χ^2/NDF: 249591.5/29

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1109.077+/-0.134 χ^2/NDF: 705760.1/50

All: 1112.637+/-0.095 χ^2/NDF: 1022932.5/10

- sign 1116.158+/-0.134 χ^2/NDF: 315778.0/52



Right In: -57.916+/-334.315 χ^2/NDF: 29.2/26

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

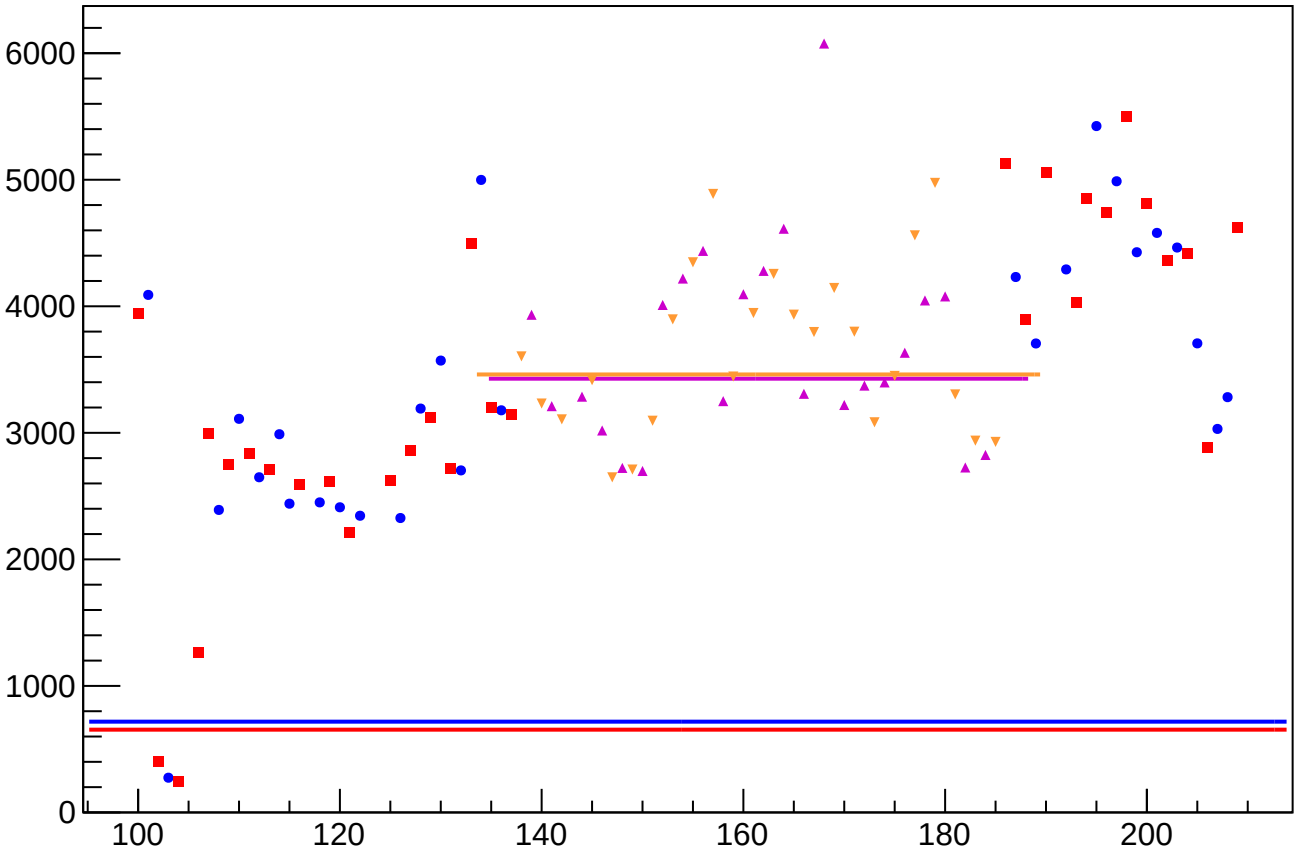
Right Out: -1.881+/-309.266 χ^2/NDF: 31.5/29

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -10.155+/-309.602 χ^2/NDF: 59.2/50

All: -11.948+/-211.358 χ^2/NDF: 104.4/103

- sign -13.514+/-289.246 χ^2/NDF: 45.2/52



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 654.281+/-0.219 χ^2/NDF: 23435887.9/29

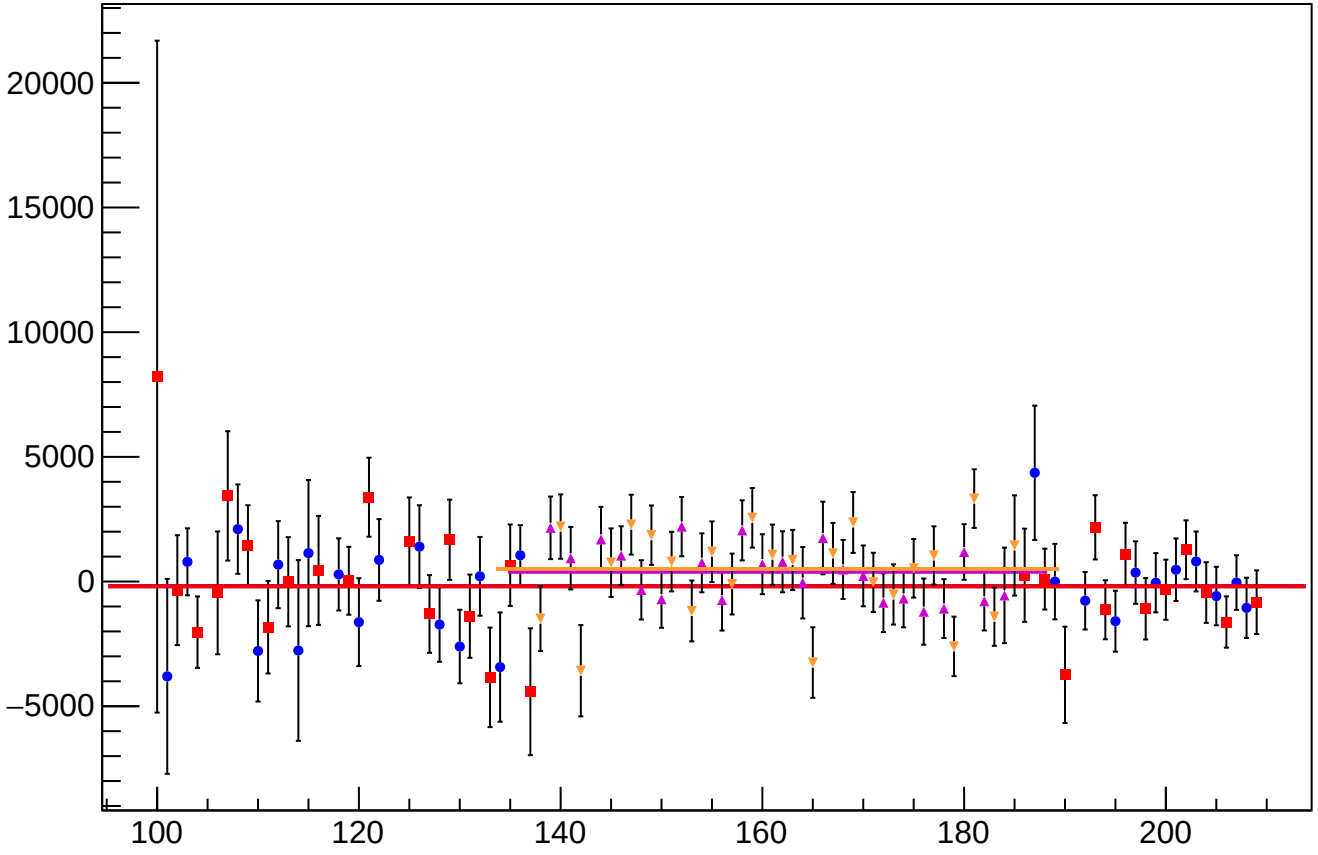
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1108.156+/-0.219 χ^2/NDF: 42282249.0/50

All: 1051.332+/-0.149 χ^2/NDF: 87238730.2/1

- sign 1001.734+/-0.205 χ^2/NDF: 44830301.8/52

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -186.307+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -190.981+/-278.864 χ^2/NDF: 33.6/29

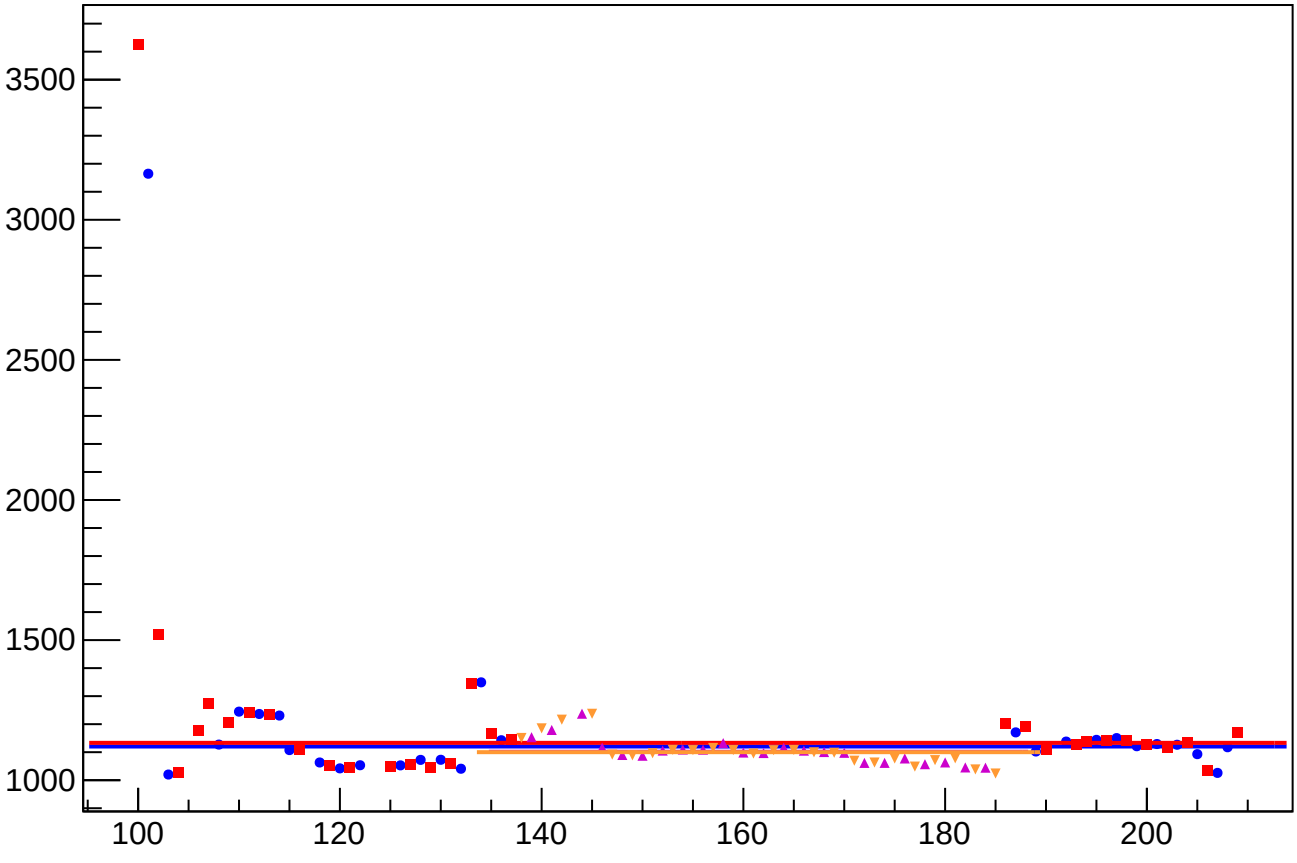
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 195.676+/-190.128 χ^2/NDF: 68.8/50

All: 159.477+/-134.089 χ^2/NDF: 122.7/103

- sign 123.653+/-189.137 χ^2/NDF: 53.8/52

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

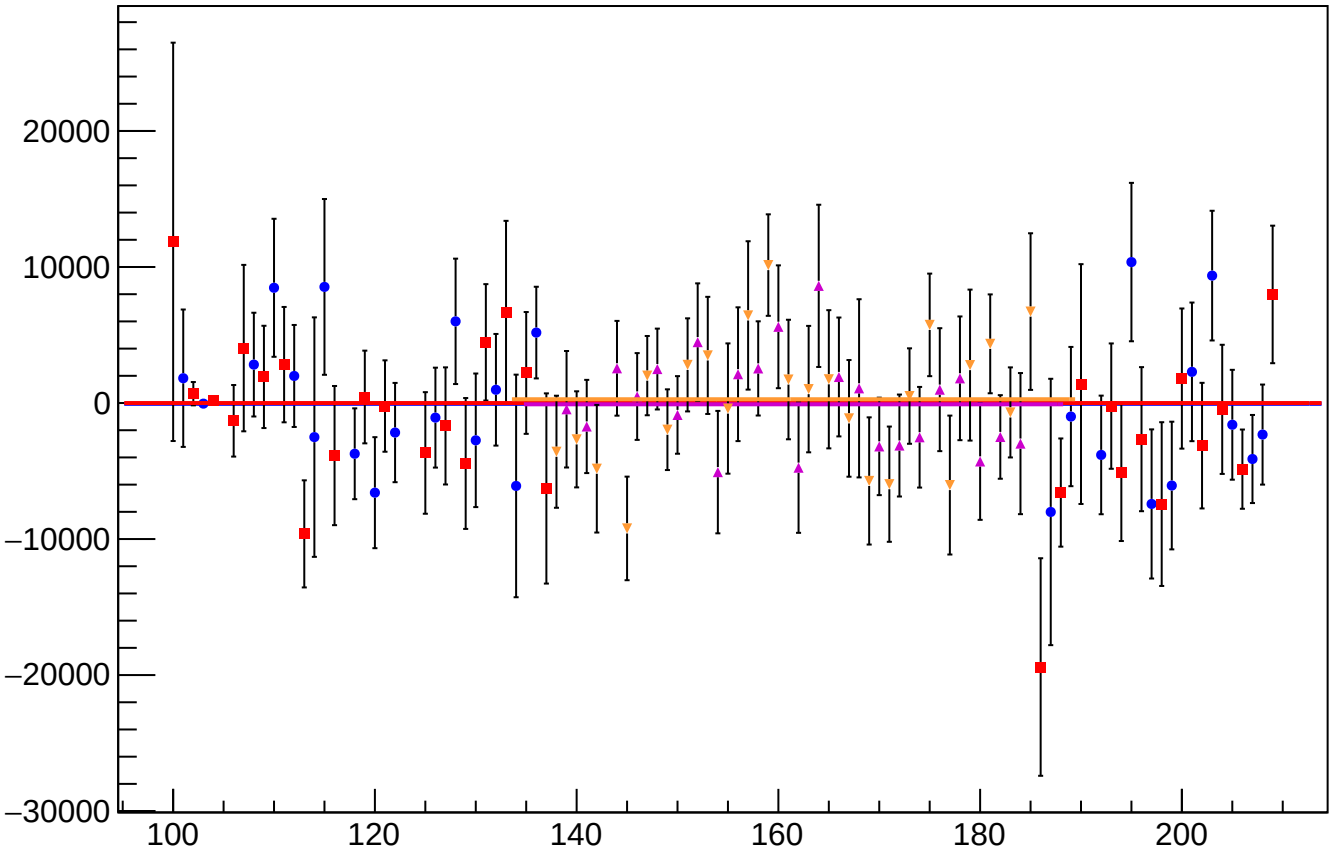
Right Out: 1133.322+/-0.197 χ^2/NDF: 249591.5/29

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1109.077+/-0.134 χ^2/NDF: 705760.1/50

All: 1112.637+/-0.095 χ^2/NDF: 1022932.5/10

\- sign 1116.158+/-0.134 χ^2/NDF: 315778.0/52



Right In: -57.916+/-334.315 χ^2/NDF: 29.2/26

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

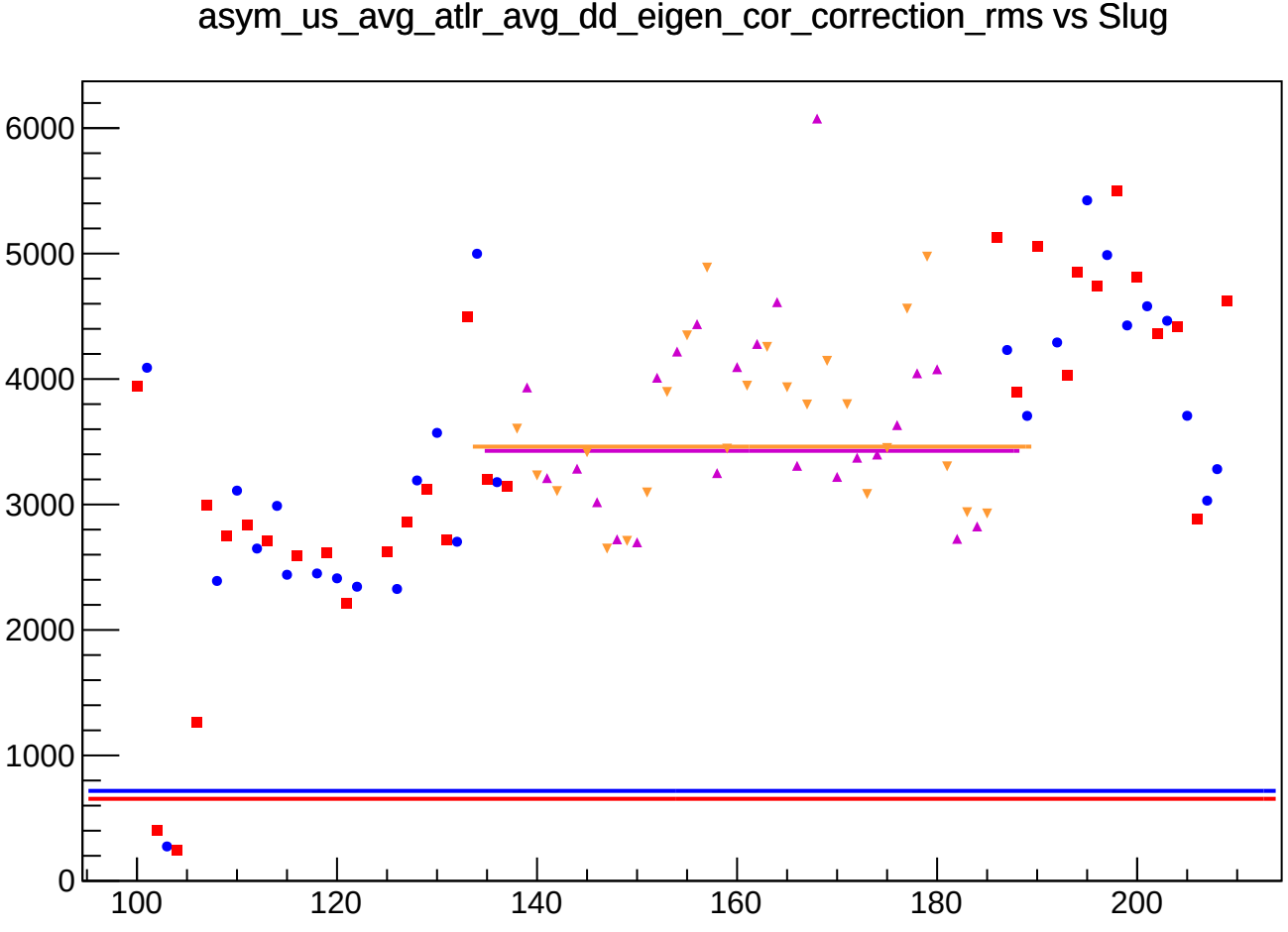
Right Out: -1.881+/-309.266 χ^2/NDF: 31.5/29

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -10.155+/-309.602 χ^2/NDF: 59.2/50

All: -11.948+/-211.358 χ^2/NDF: 104.4/103

- sign -13.514+/-289.246 χ^2/NDF: 45.2/52



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 654.281+/-0.219 χ^2/NDF: 23435887.9/29

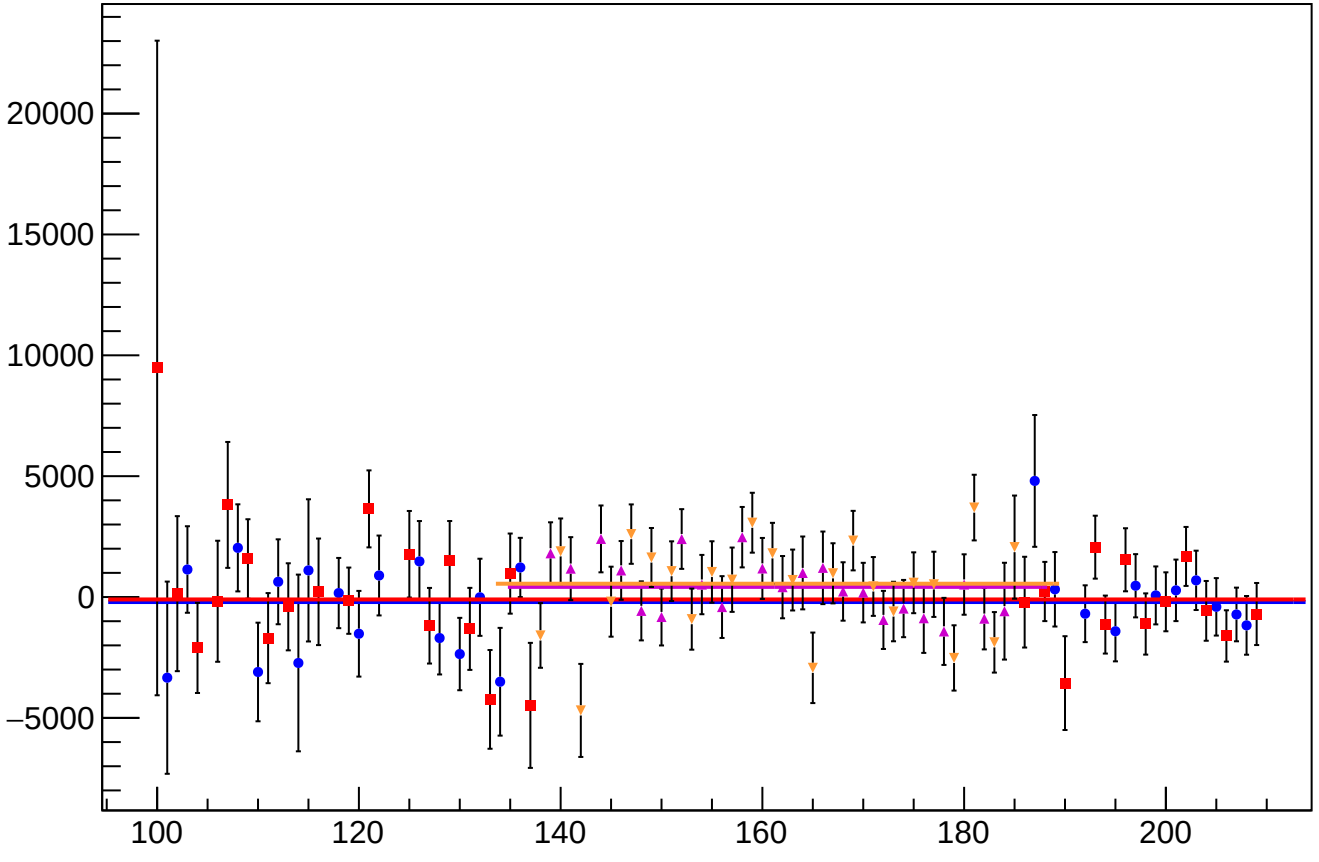
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1108.156+/-0.219 χ^2/NDF: 42282249.0/50

All: 1051.332+/-0.149 χ^2/NDF: 87238730.2/1

- sign 1001.734+/-0.205 χ^2/NDF: 44830301.8/52

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -206.499+/-291.280 χ^2/NDF: 20.8/26

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -100.019+/-286.260 χ^2/NDF: 35.3/29

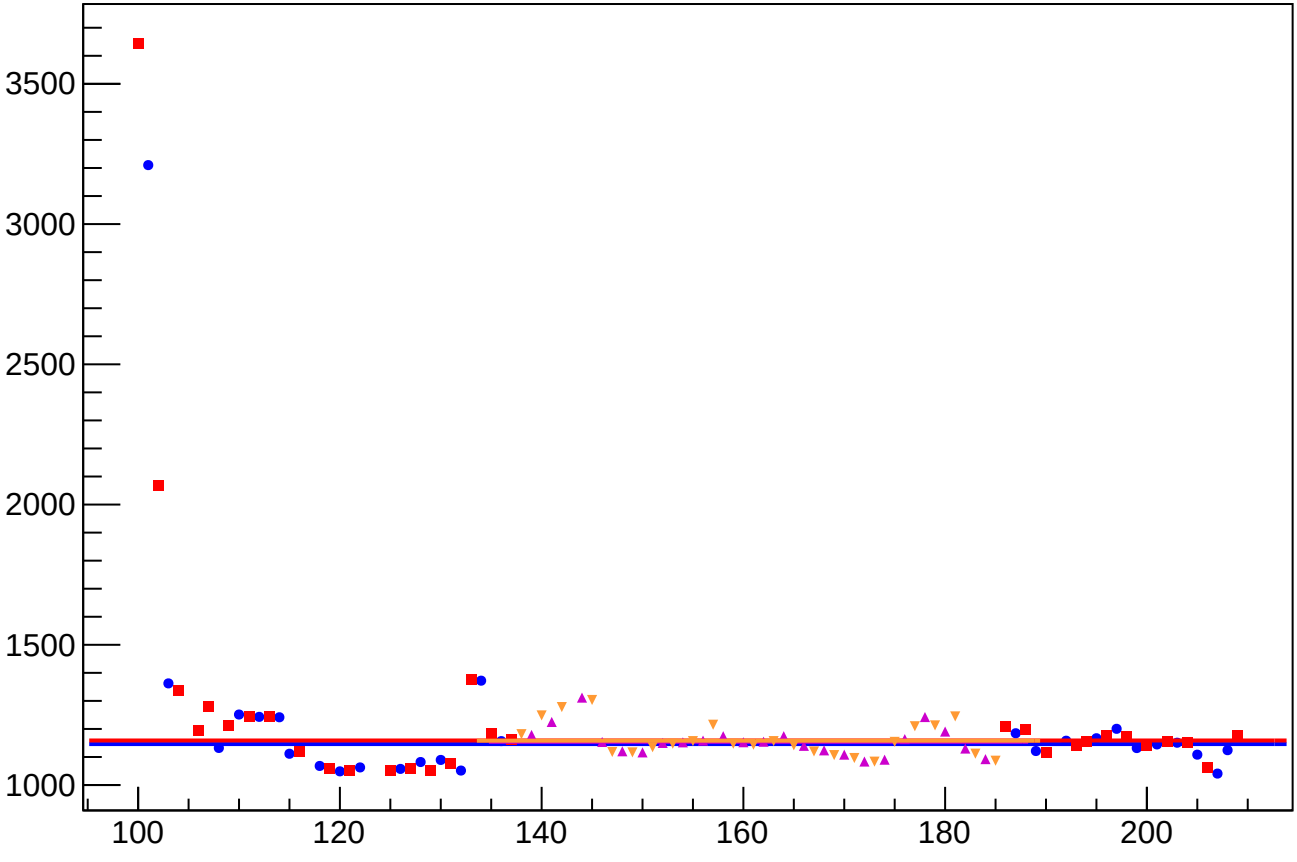
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 201.854+/-197.701 χ^2/NDF: 69.7/50

All: 188.786+/-139.314 χ^2/NDF: 124.7/103

- sign 175.897+/-196.344 χ^2/NDF: 55.0/52

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.0/26

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

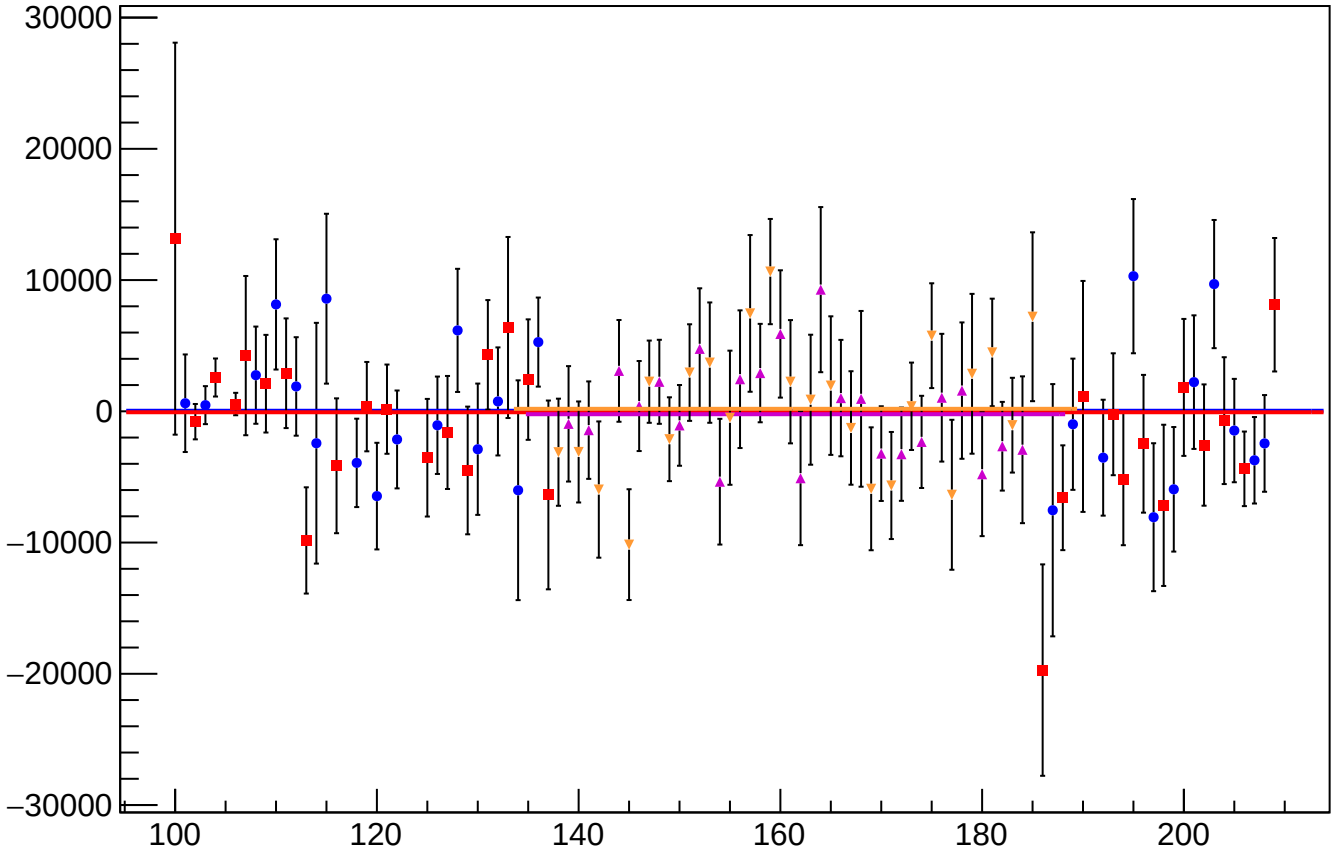
Right Out: 1158.860+/-0.202 χ^2/NDF: 356028.5/29

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1152.602+/-0.140 χ^2/NDF: 750269.8/50

All: 1154.518+/-0.099 χ^2/NDF: 1173425.7/10

- sign 1156.409+/-0.139 χ^2/NDF: 422782.5/52



Right In: 41.138+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

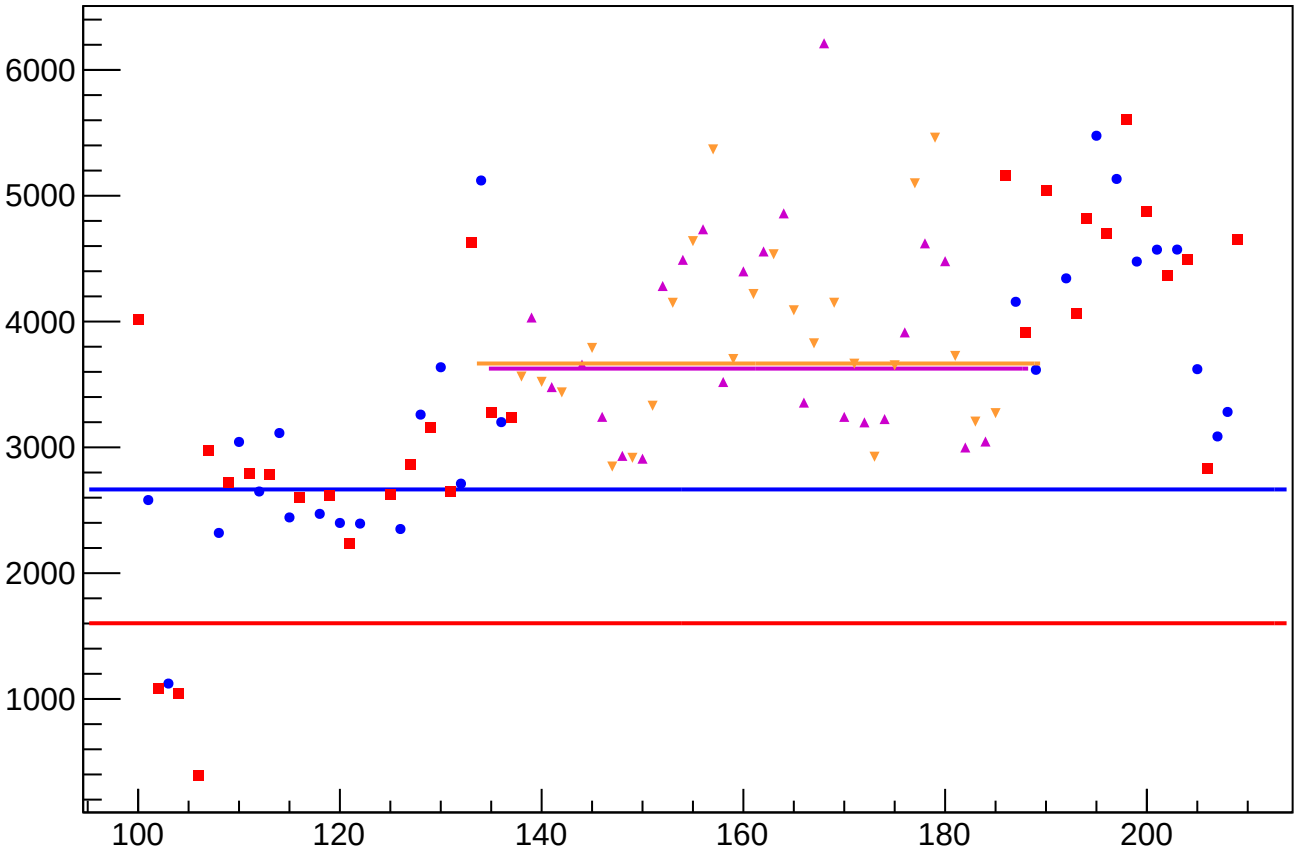
Right Out: -70.766+/-523.313 χ^2/NDF: 33.9/29

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 103.556+/-563.489 χ^2/NDF: 58.1/50

All: -28.049+/-350.540 χ^2/NDF: 105.5/103

- sign -111.132+/-447.718 χ^2/NDF: 47.3/52



Right In: 2665.536+/-0.523 χ^2/NDF: 5013238.3/26

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1601.915+/-0.370 χ^2/NDF: 14578879.4/29

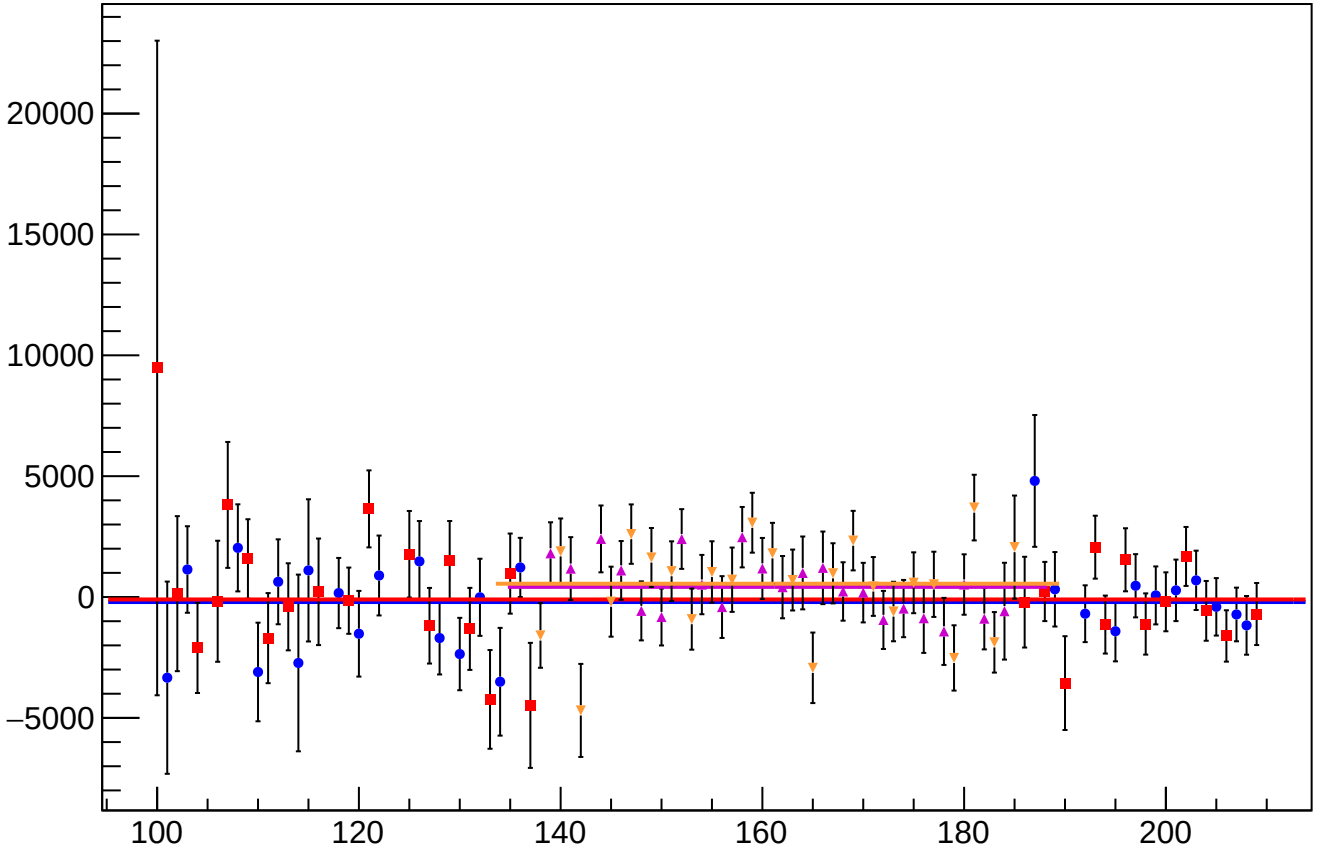
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3086.004+/-0.398 χ^2/NDF: 7646581.2/50

All: 2508.819+/-0.248 χ^2/NDF: 34925922.2/1

- sign 2144.439+/-0.317 χ^2/NDF: 23856199.0/52

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -206.497+/-291.280 χ^2/NDF: 20.8/26

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -100.018+/-286.260 χ^2/NDF: 35.3/29

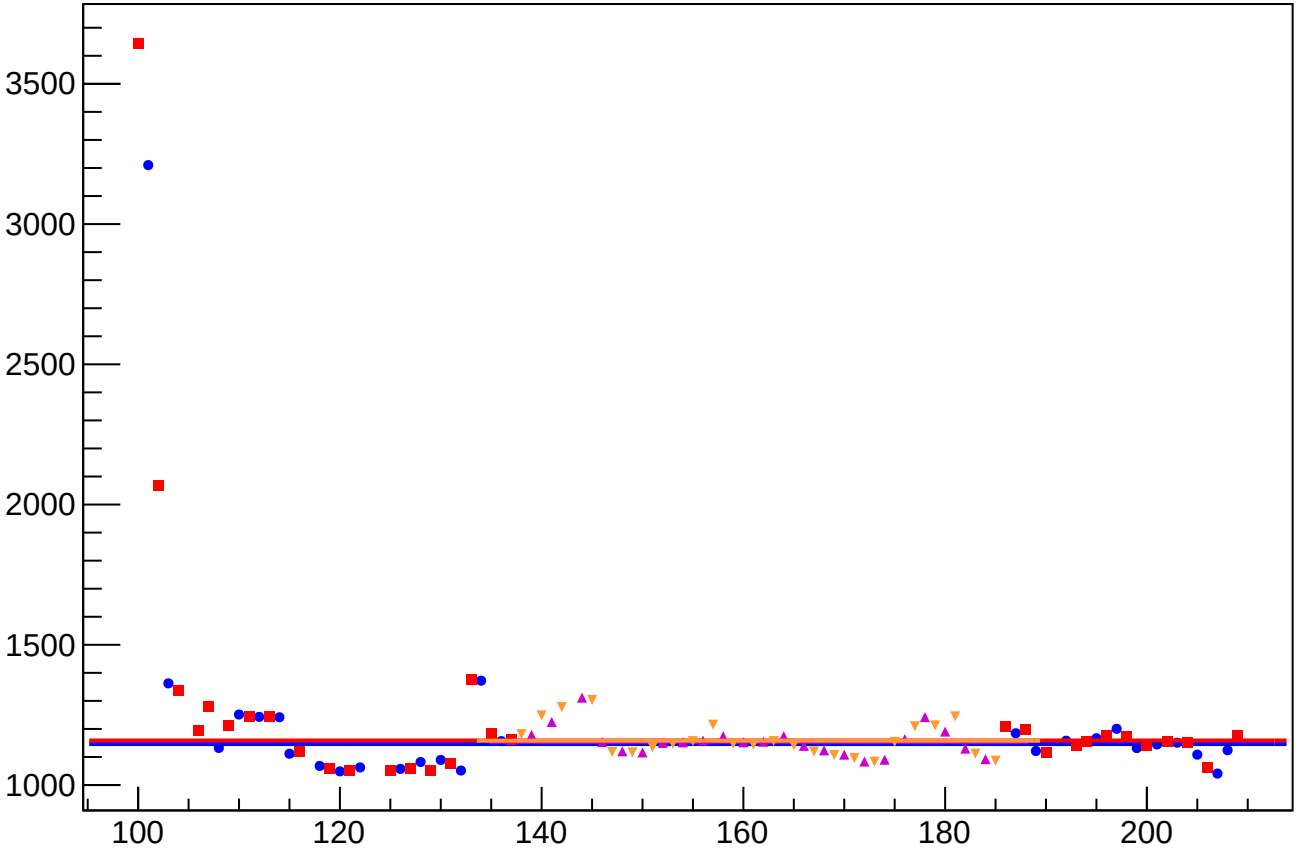
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 201.856+/-197.701 χ^2/NDF: 69.7/50

All: 188.787+/-139.314 χ^2/NDF: 124.7/103

- sign 175.897+/-196.345 χ^2/NDF: 55.0/52

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.3/26

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

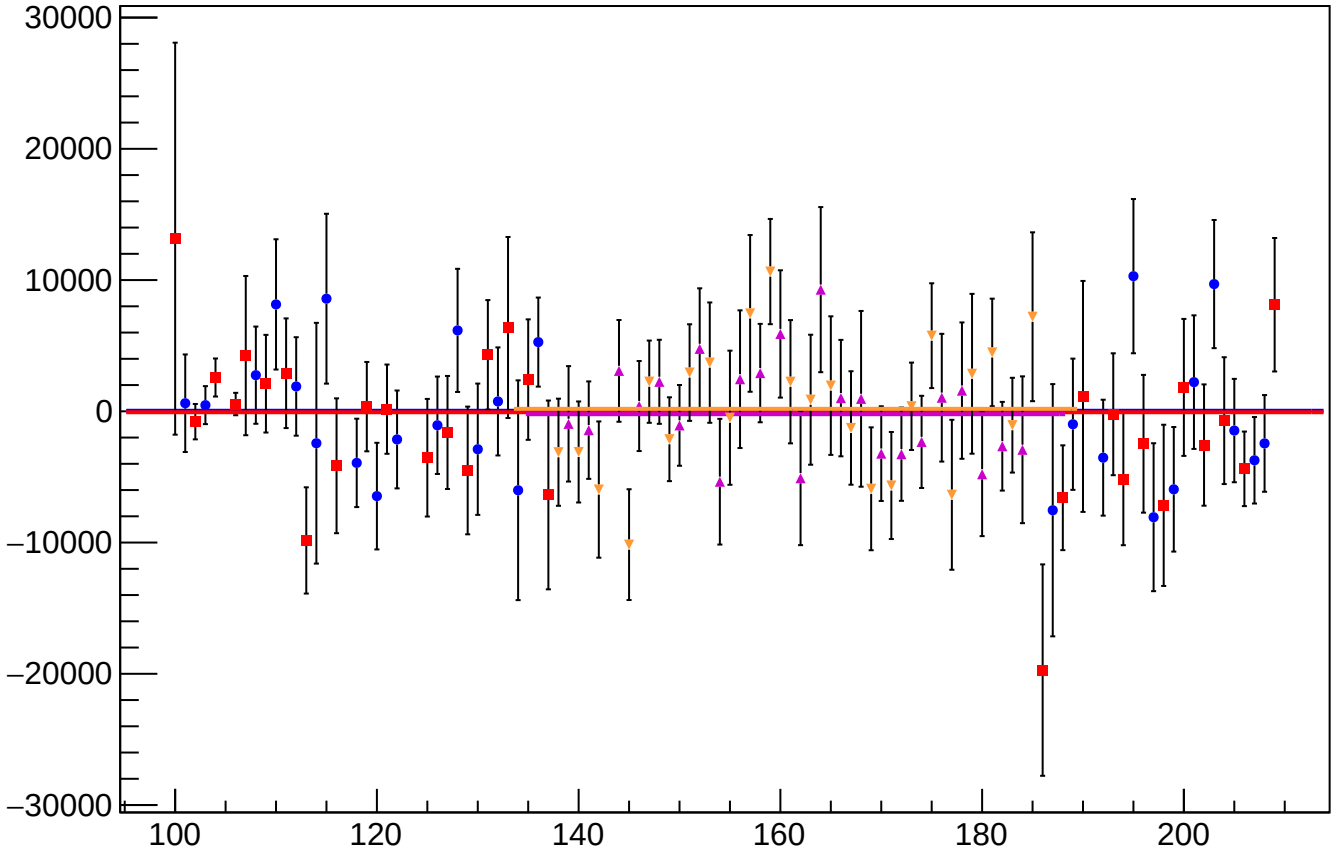
Right Out: 1158.860+/-0.202 χ^2/NDF: 356028.3/29

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1152.602+/-0.140 χ^2/NDF: 750273.0/50

All: 1154.519+/-0.099 χ^2/NDF: 1173431.1/10

- sign 1156.409+/-0.139 χ^2/NDF: 422784.7/52



Right In: 41.136+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

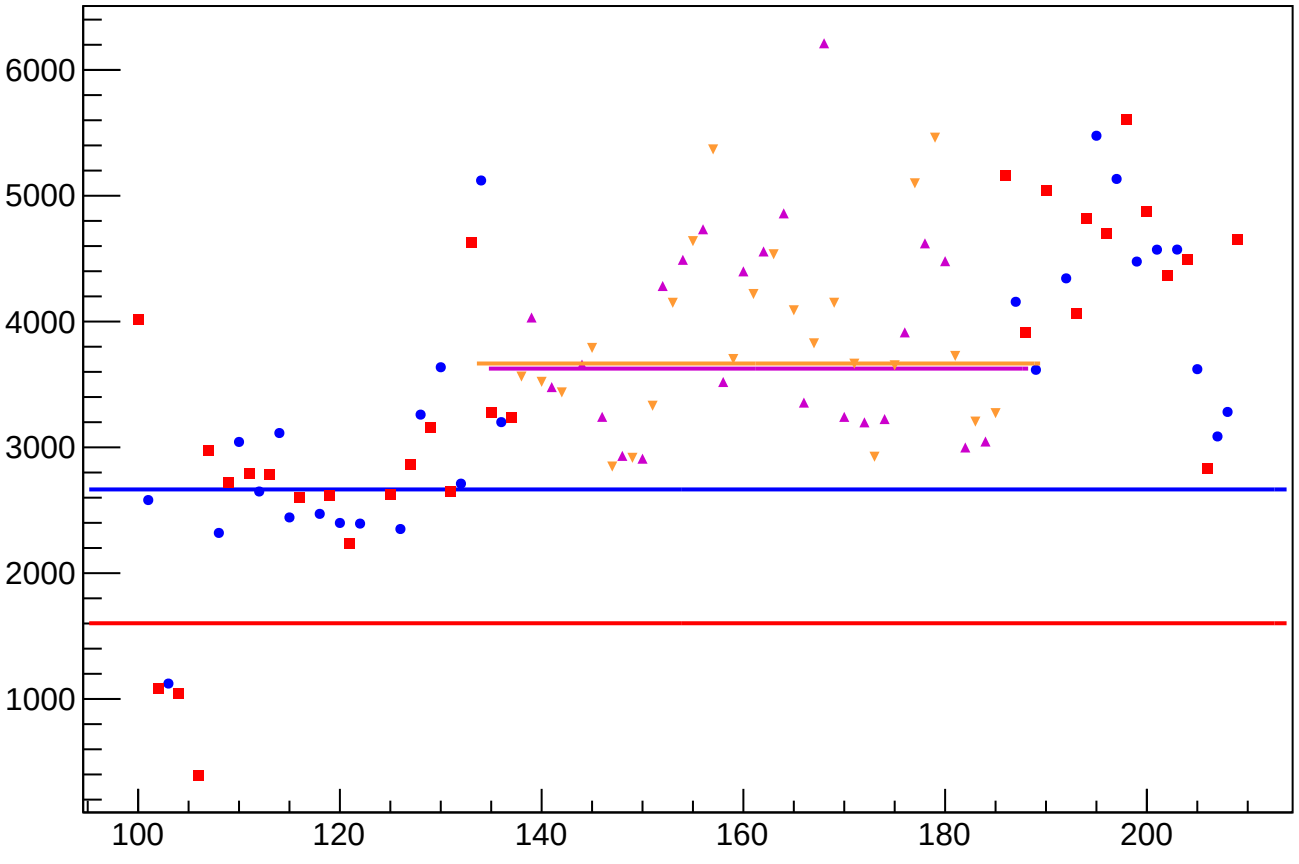
Right Out: -70.755+/-523.308 χ^2/NDF: 33.9/29

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 103.554+/-563.489 χ^2/NDF: 58.1/50

All: -28.045+/-350.538 χ^2/NDF: 105.5/103

- sign -111.124+/-447.715 χ^2/NDF: 47.3/52



Right In: 2665.533+/-0.523 χ^2/NDF: 5013257.6/26

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1601.886+/-0.370 χ^2/NDF: 14579170.2/29

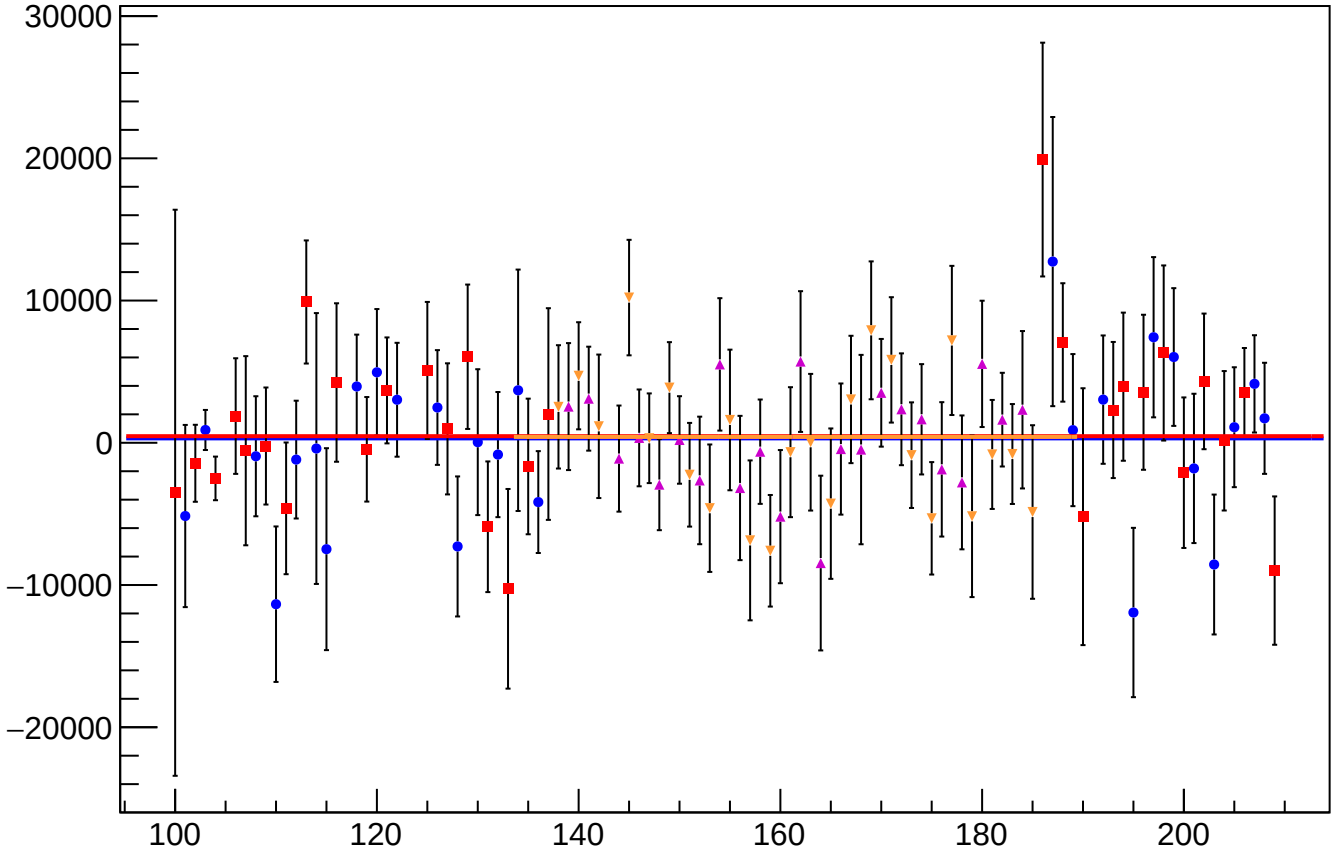
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3086.004+/-0.398 χ^2/NDF: 7646626.3/50

All: 2508.798+/-0.248 χ^2/NDF: 34926781.1/1

- sign 2144.410+/-0.317 χ^2/NDF: 23856788.1/52

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 309.503+/-775.989 χ^2/NDF: 27.8/26

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

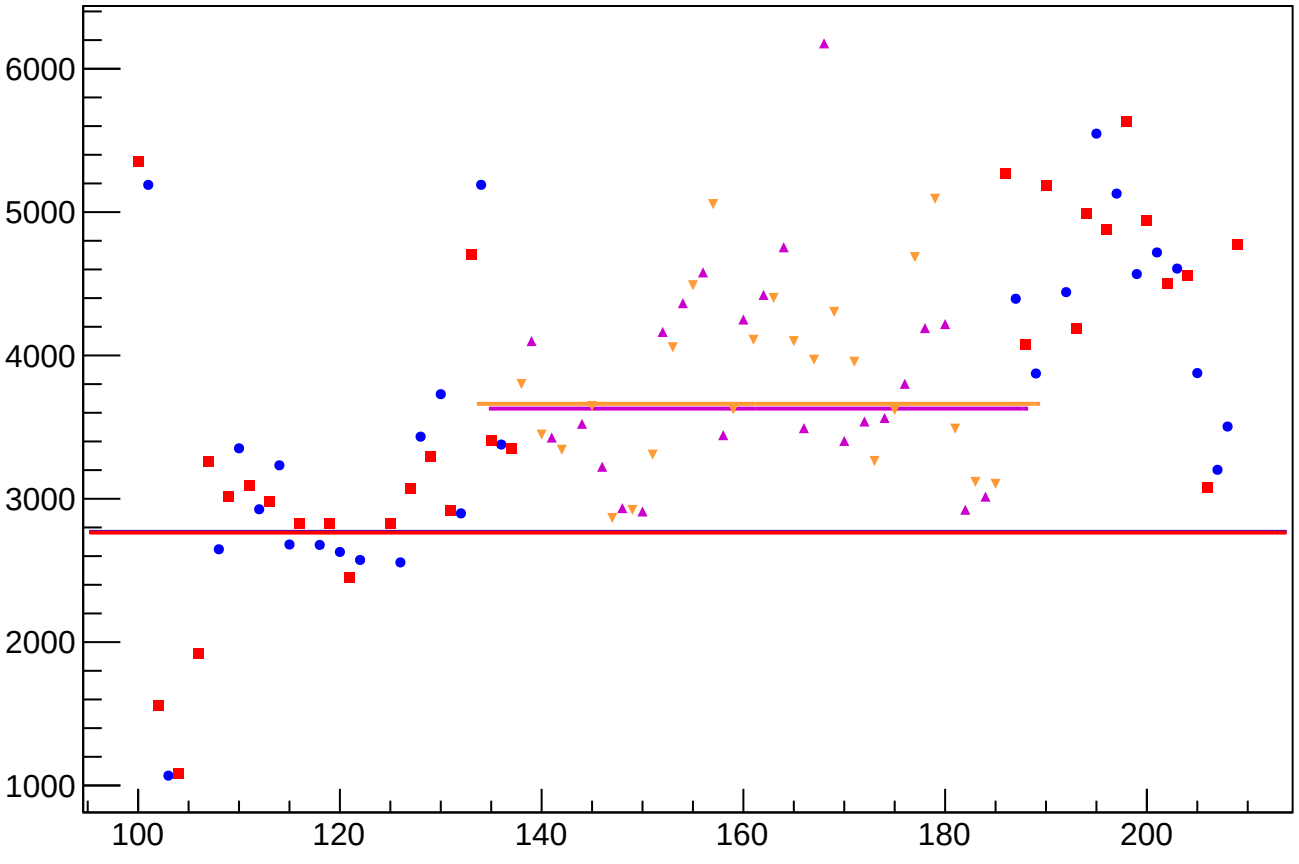
Right Out: 464.400+/-760.096 χ^2/NDF: 33.8/29

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 355.855+/-577.720 χ^2/NDF: 55.0/50

All: 397.359+/-405.838 χ^2/NDF: 101.1/103

- sign 437.795+/-570.236 χ^2/NDF: 46.1/52



Right In: 2769.124+/-0.549 χ^2/NDF: 5846232.9/26

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

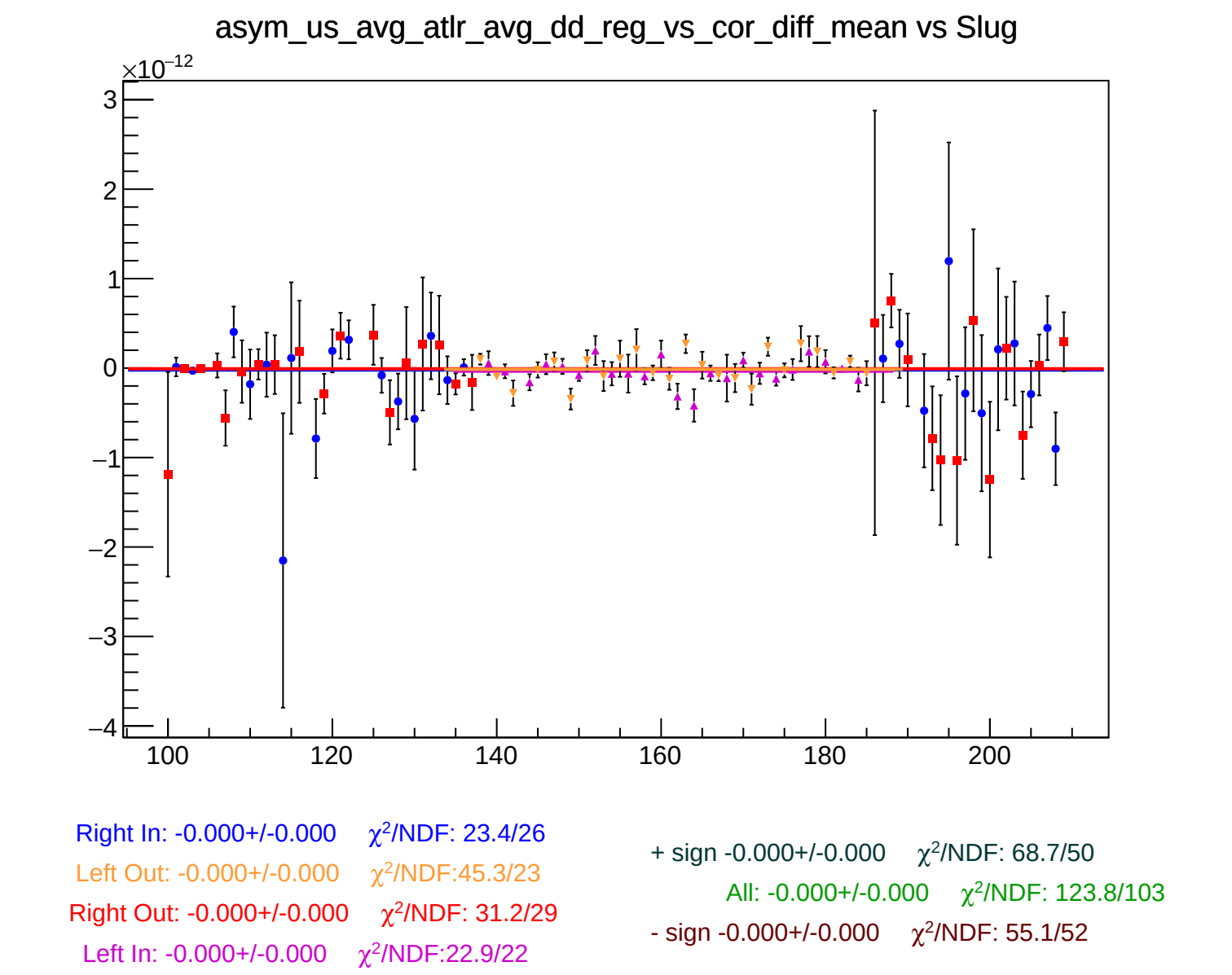
Right Out: 2764.434+/-0.537 χ^2/NDF: 6211714.1/29

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3167.398+/-0.409 χ^2/NDF: 7921694.3/50

All: 3154.393+/-0.287 χ^2/NDF: 16323756.6/1

- sign 3141.748+/-0.403 χ^2/NDF: 8400063.5/52


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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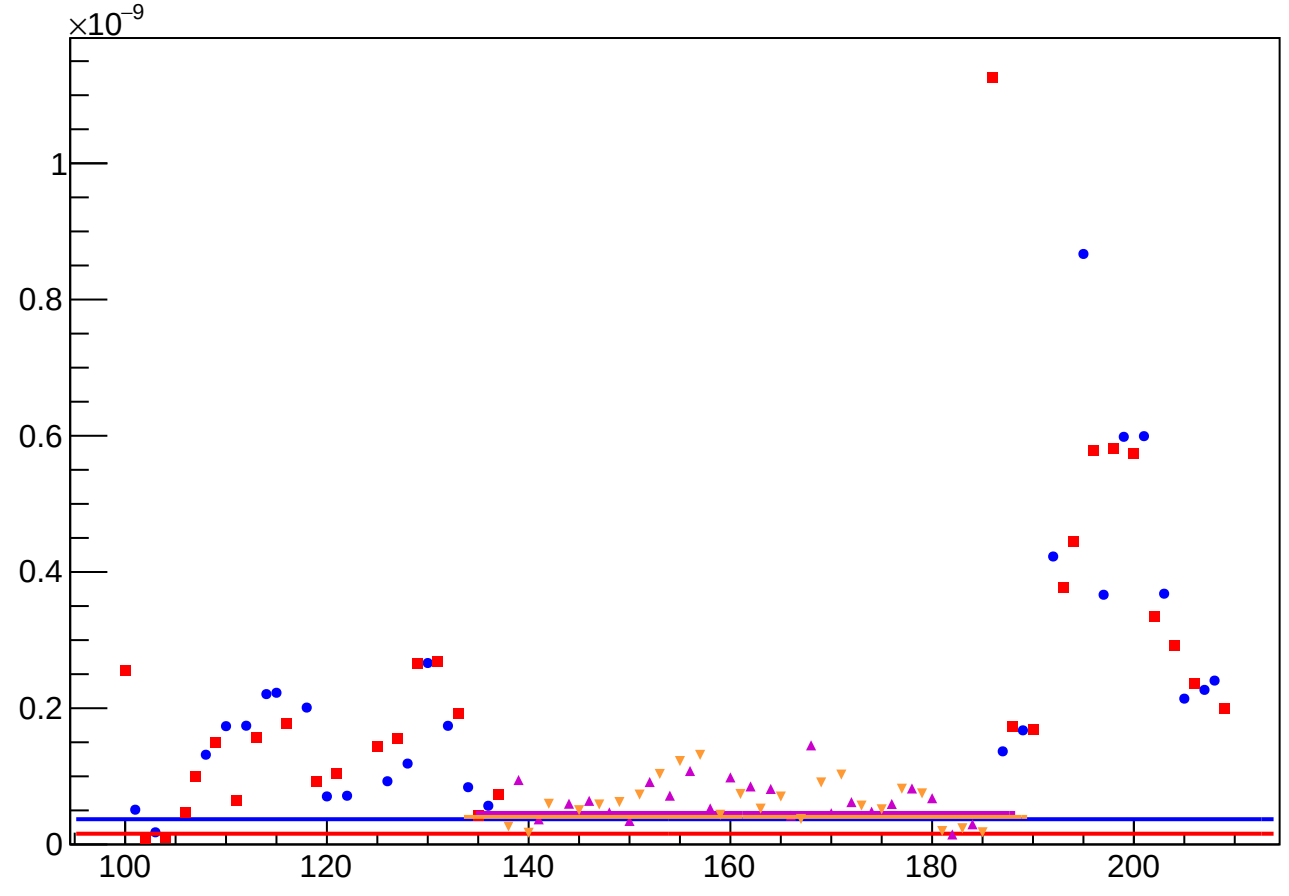
Right In: -0.000+/-0.000 χ²/NDF: 23.4/26
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.2/29
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 68.7/50
All: -0.000+/-0.000 χ²/NDF: 123.8/103
- sign -0.000+/-0.000 χ²/NDF: 55.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 8936003.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

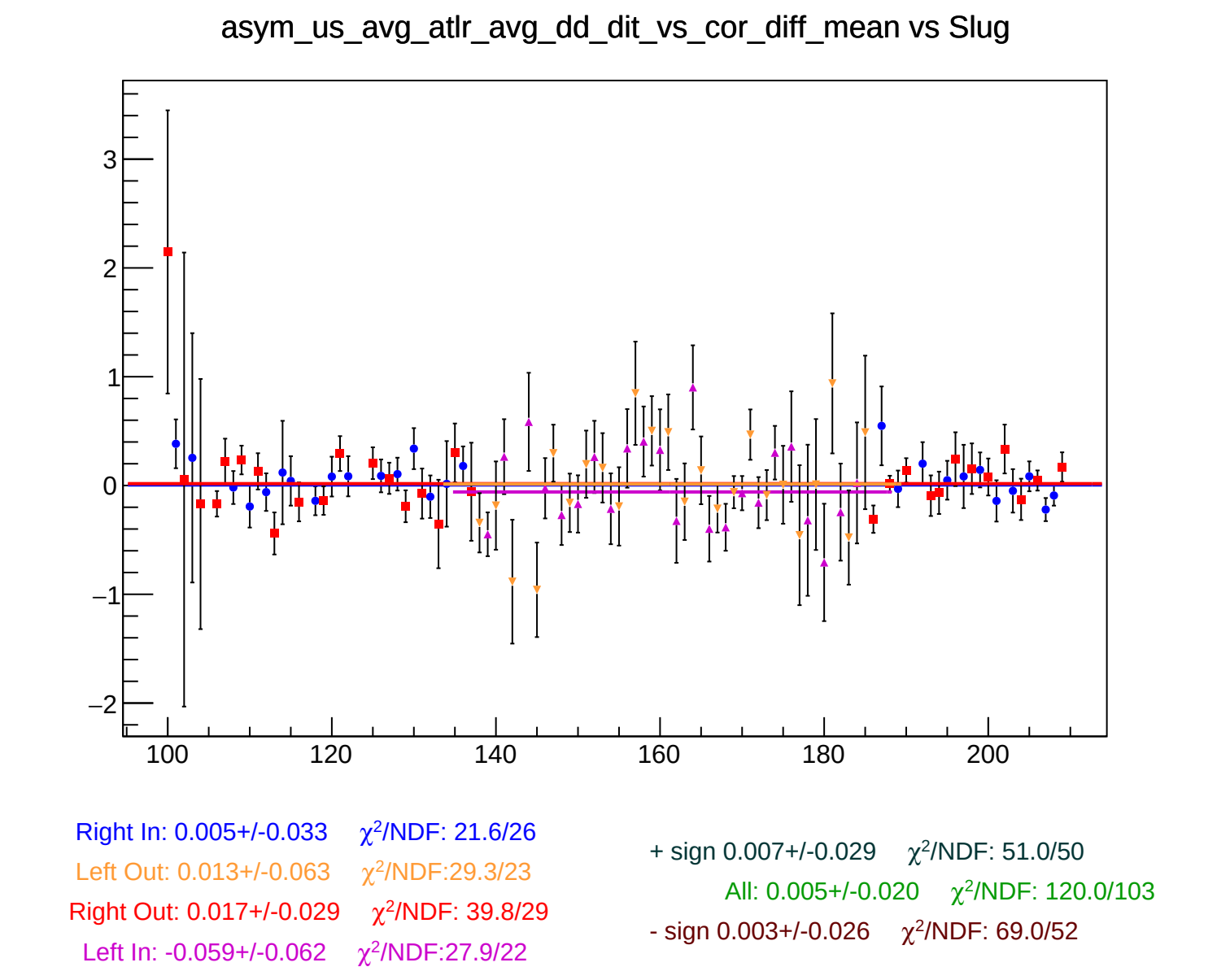
Right Out: 0.000+/-0.000 χ^2/NDF: 11244037.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12391527.6/50

All: 0.000+/-0.000 χ^2/NDF: 30441392.6/103

- sign 0.000+/-0.000 χ^2/NDF: 17152810.1/52


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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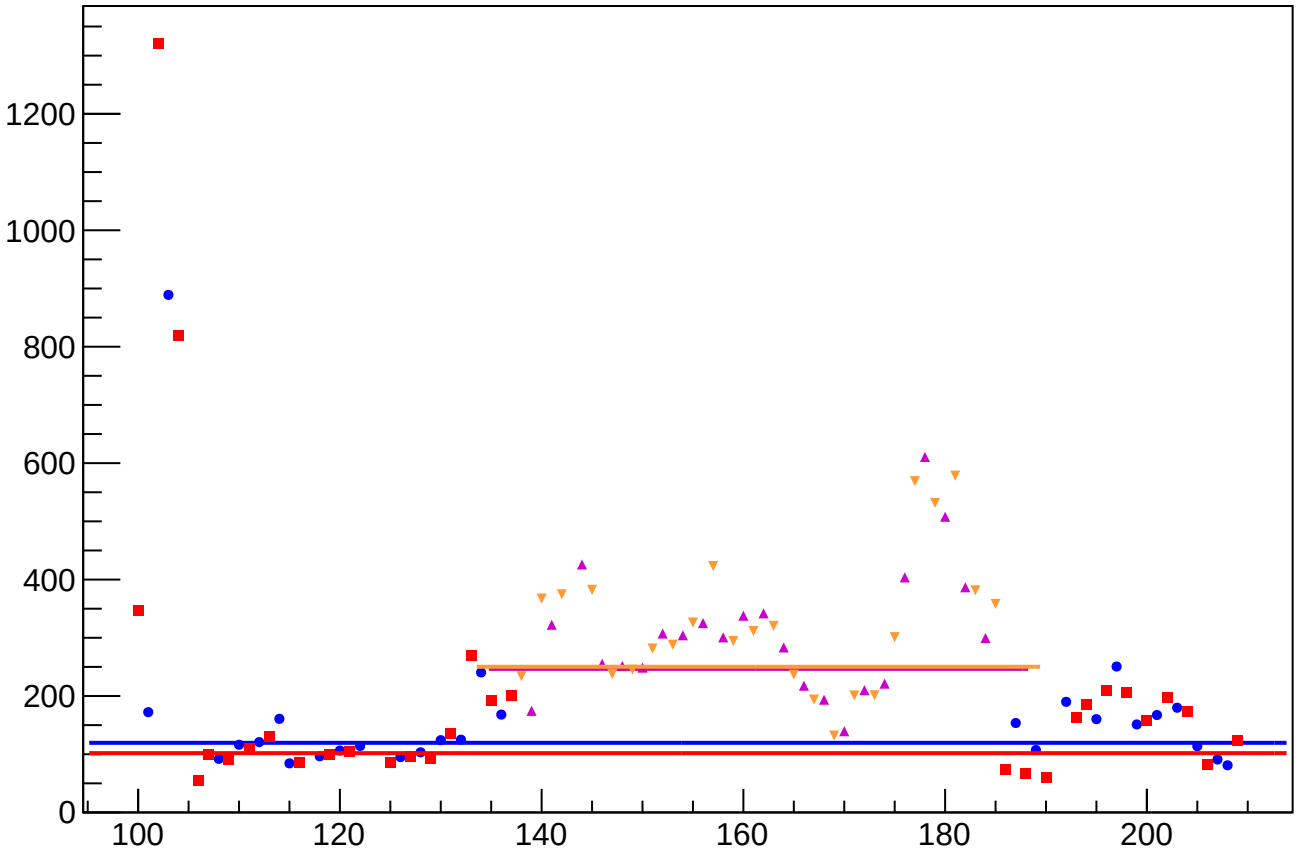
140
160
180
200
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.017+/-0.029 χ²/NDF: 39.8/29
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.005+/-0.020 χ²/NDF: 120.0/103
- sign 0.003+/-0.026 χ²/NDF: 69.0/52



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

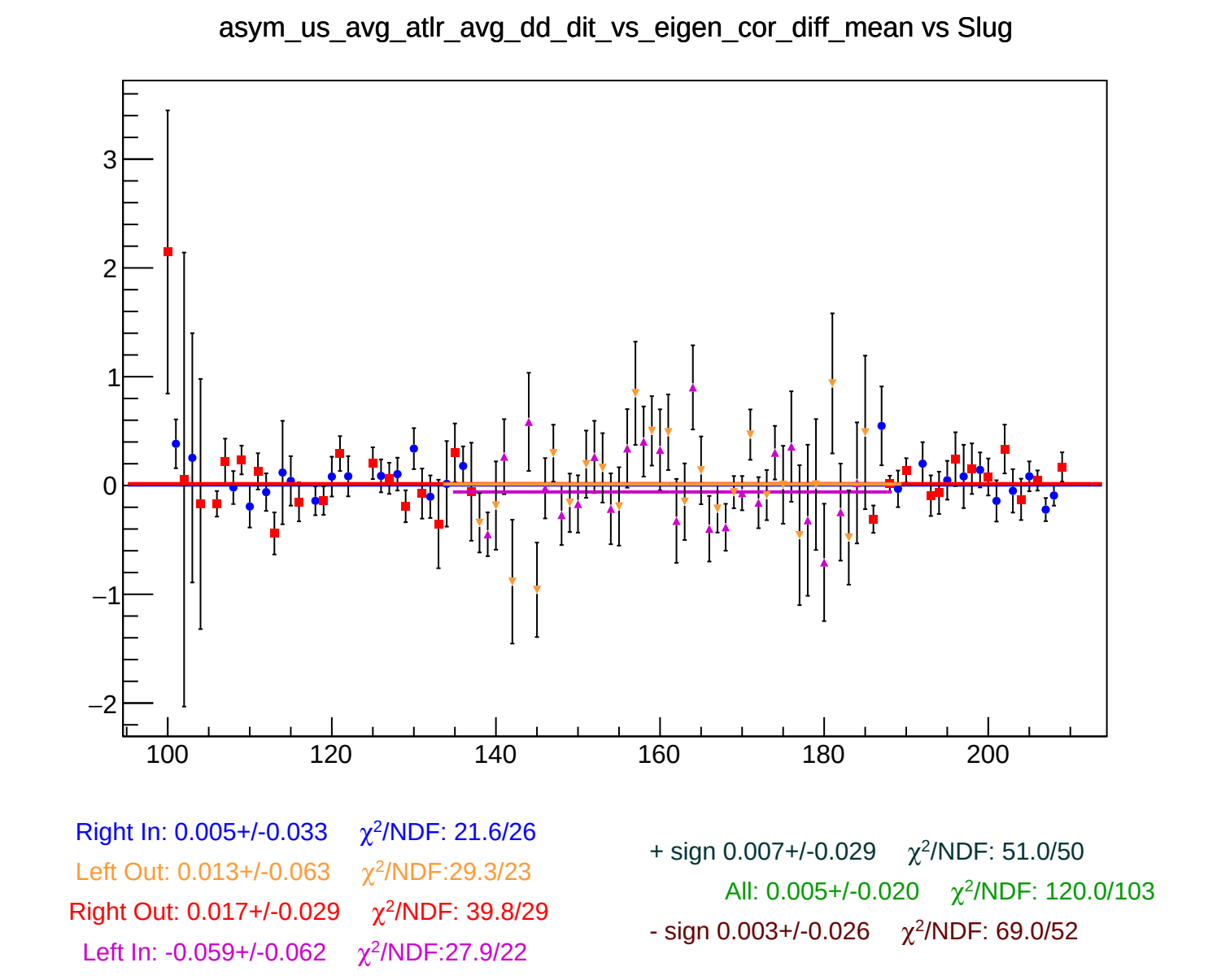
Right Out: 101.871+/-0.020 χ^2/NDF: 5857451.6/29

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 148.112+/-0.021 χ^2/NDF: 14369302.9/50

All: 136.656+/-0.014 χ^2/NDF: 33503483.1/10

- sign 127.610+/-0.018 χ^2/NDF: 18591696.1/52


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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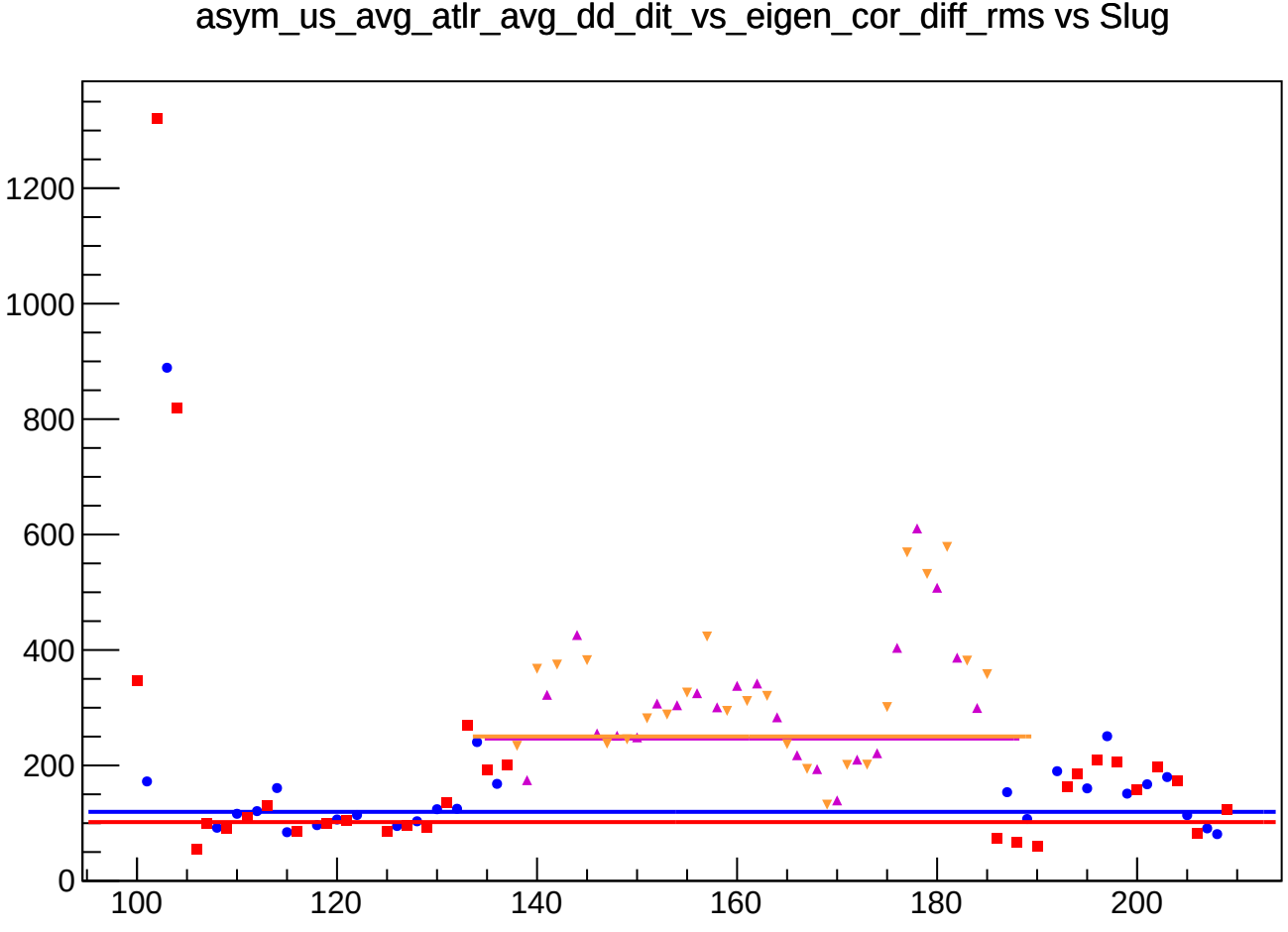
0
−1
−2
100
120
140
160
180
200
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.017+/-0.029 χ²/NDF: 39.8/29
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.005+/-0.020 χ²/NDF: 120.0/103
- sign 0.003+/-0.026 χ²/NDF: 69.0/52



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

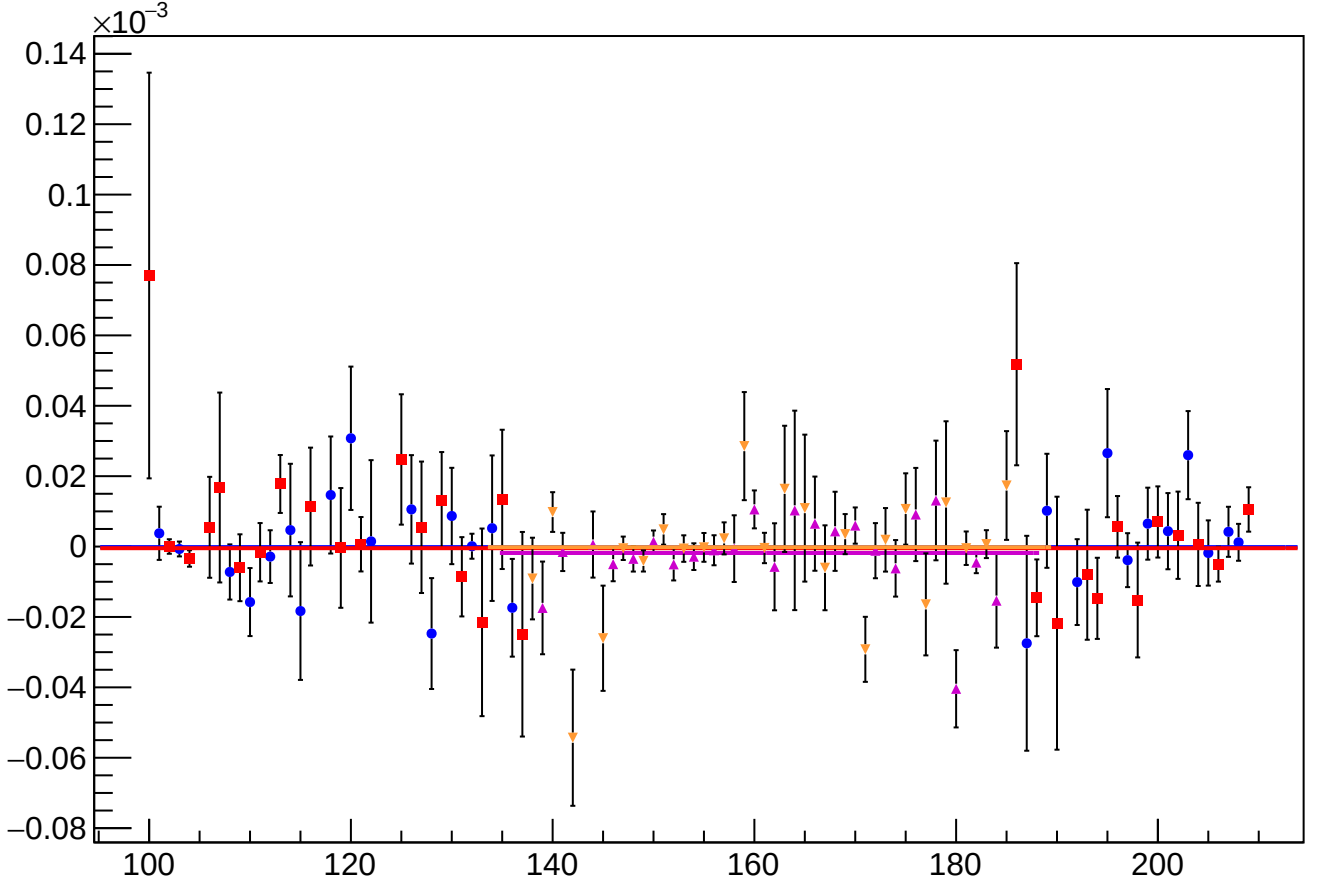
Right Out: 101.871+/-0.020 χ^2/NDF: 5857451.6/29

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 148.112+/-0.021 χ^2/NDF: 14369302.9/50

All: 136.656+/-0.014 χ^2/NDF: 33503483.1/10

- sign 127.610+/-0.018 χ^2/NDF: 18591696.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

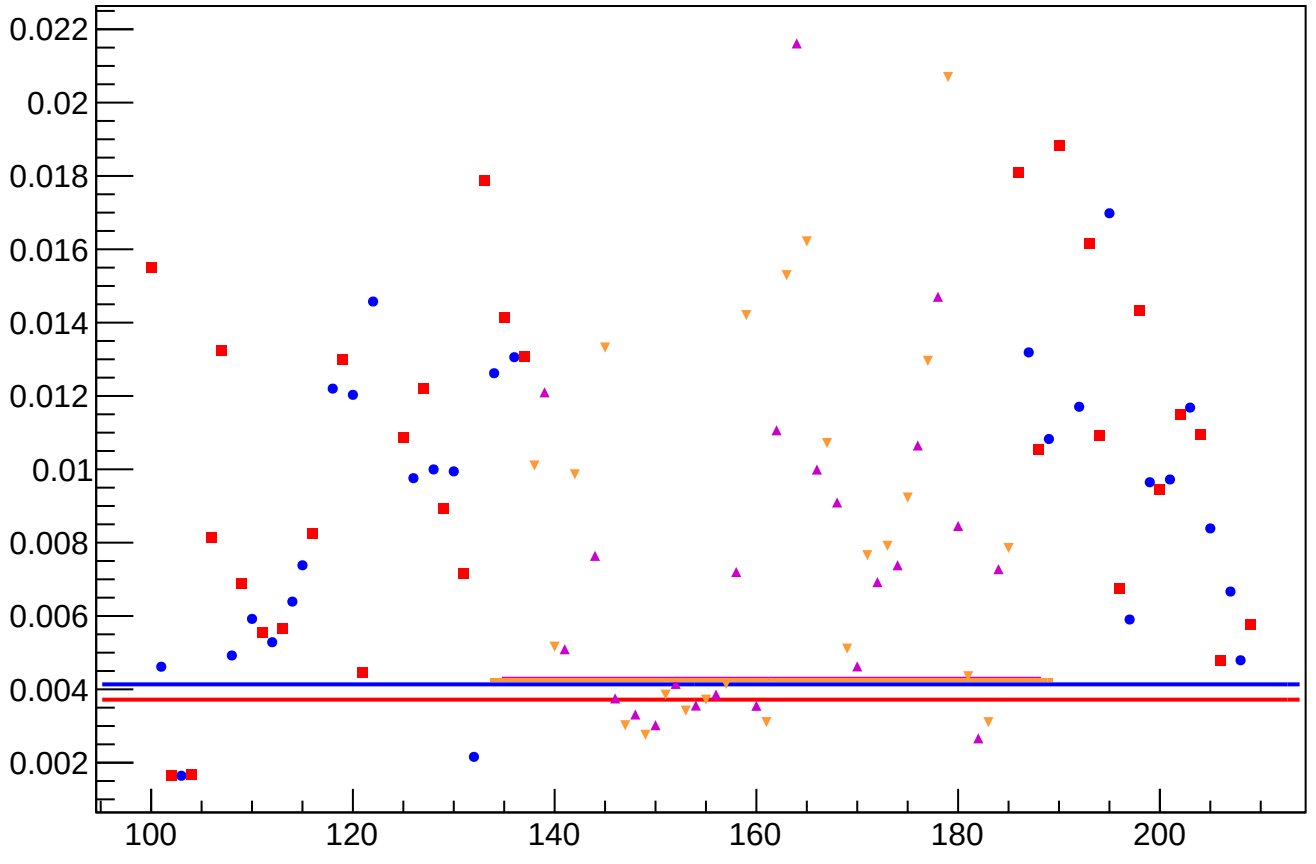
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/29

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/50

All: -0.000+/-0.000 χ^2/NDF: 117.1/103

- sign -0.000+/-0.000 χ^2/NDF: 56.8/52



Right In: 0.004+/-0.000 χ^2/NDF: 11812389.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

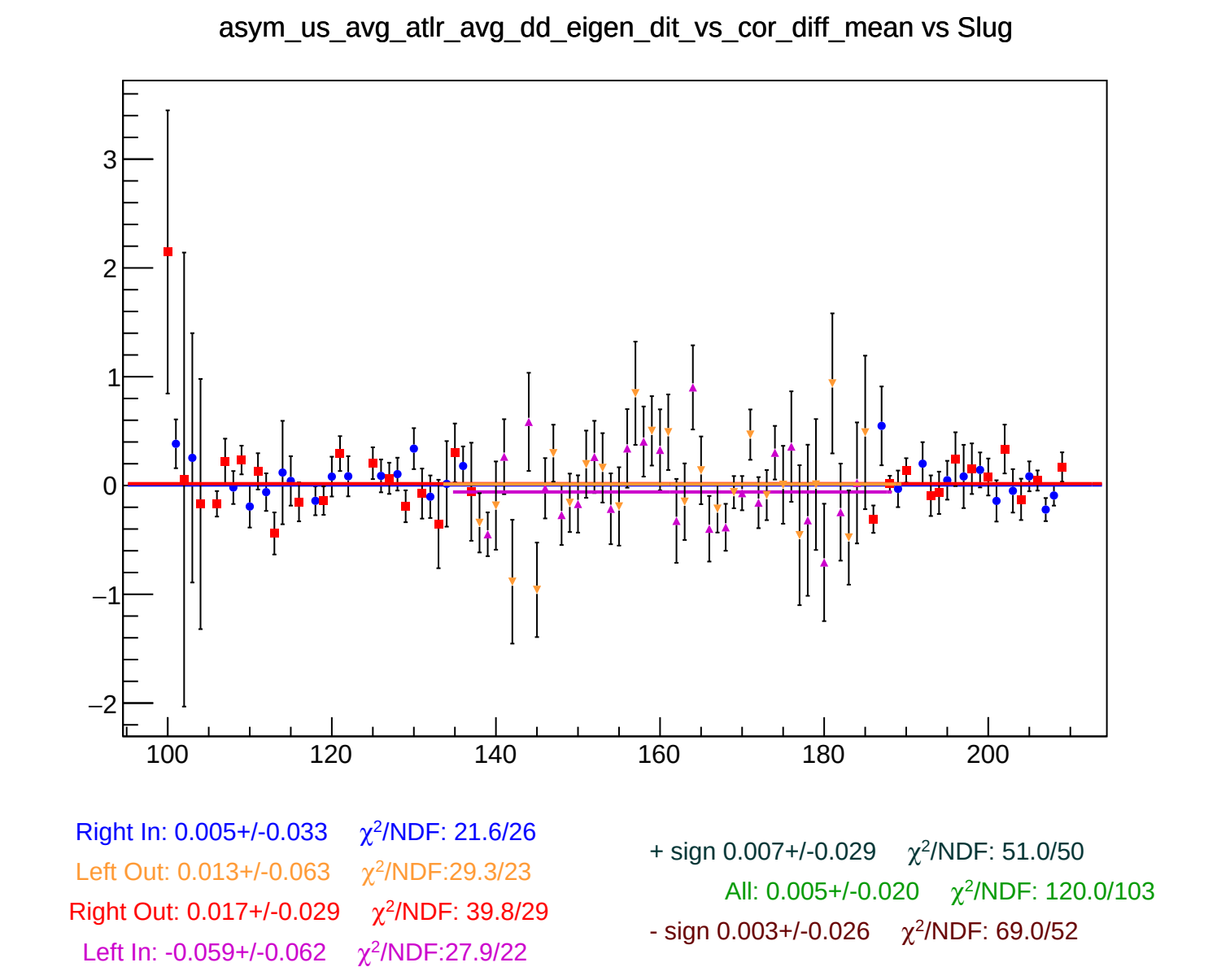
Right Out: 0.004+/-0.000 χ^2/NDF: 14621171.9/29

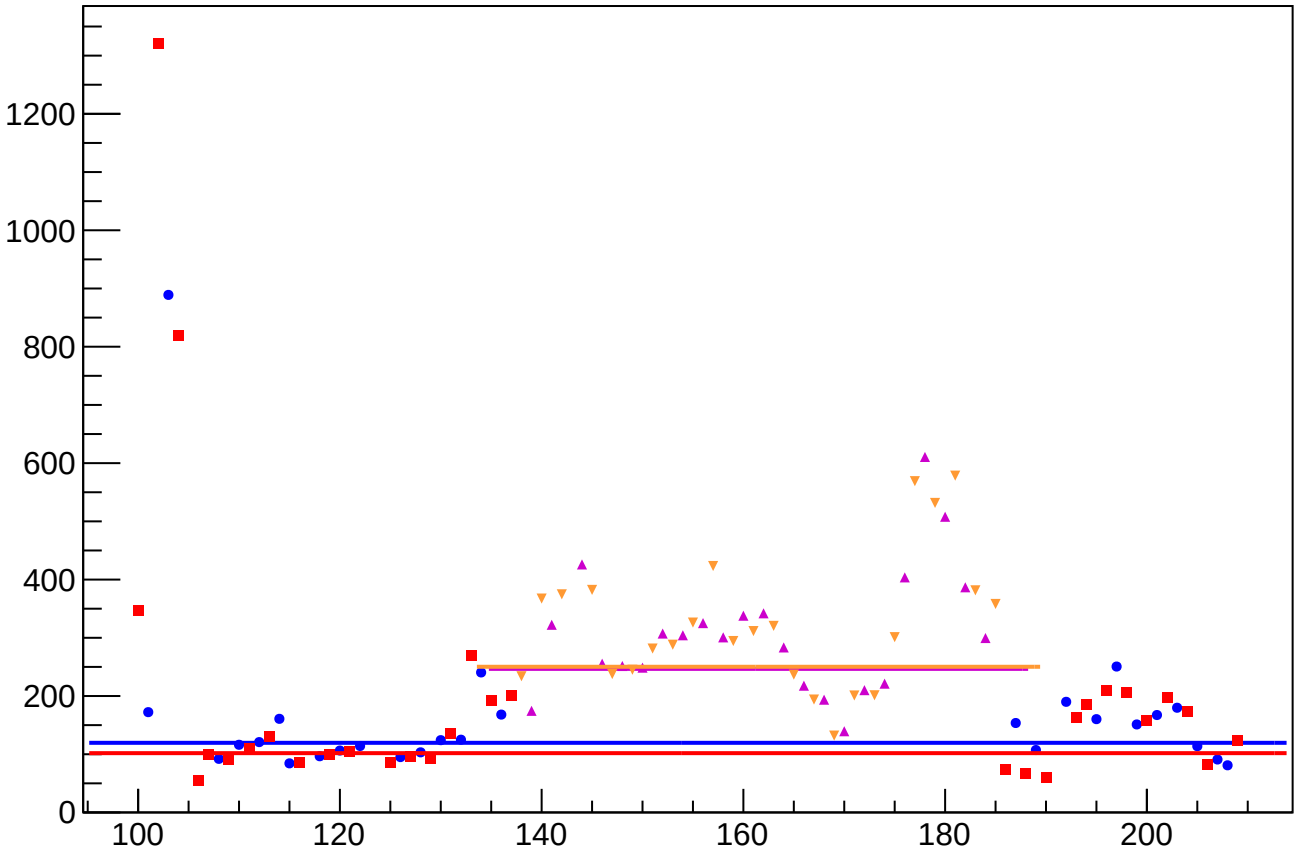
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 20313518.5/50

All: 0.004+/-0.000 χ^2/NDF: 41797603.8/103

- sign 0.004+/-0.000 χ^2/NDF: 21438949.8/52


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: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.017+/-0.029 χ²/NDF: 39.8/29
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.005+/-0.020 χ²/NDF: 120.0/103
- sign 0.003+/-0.026 χ²/NDF: 69.0/52



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

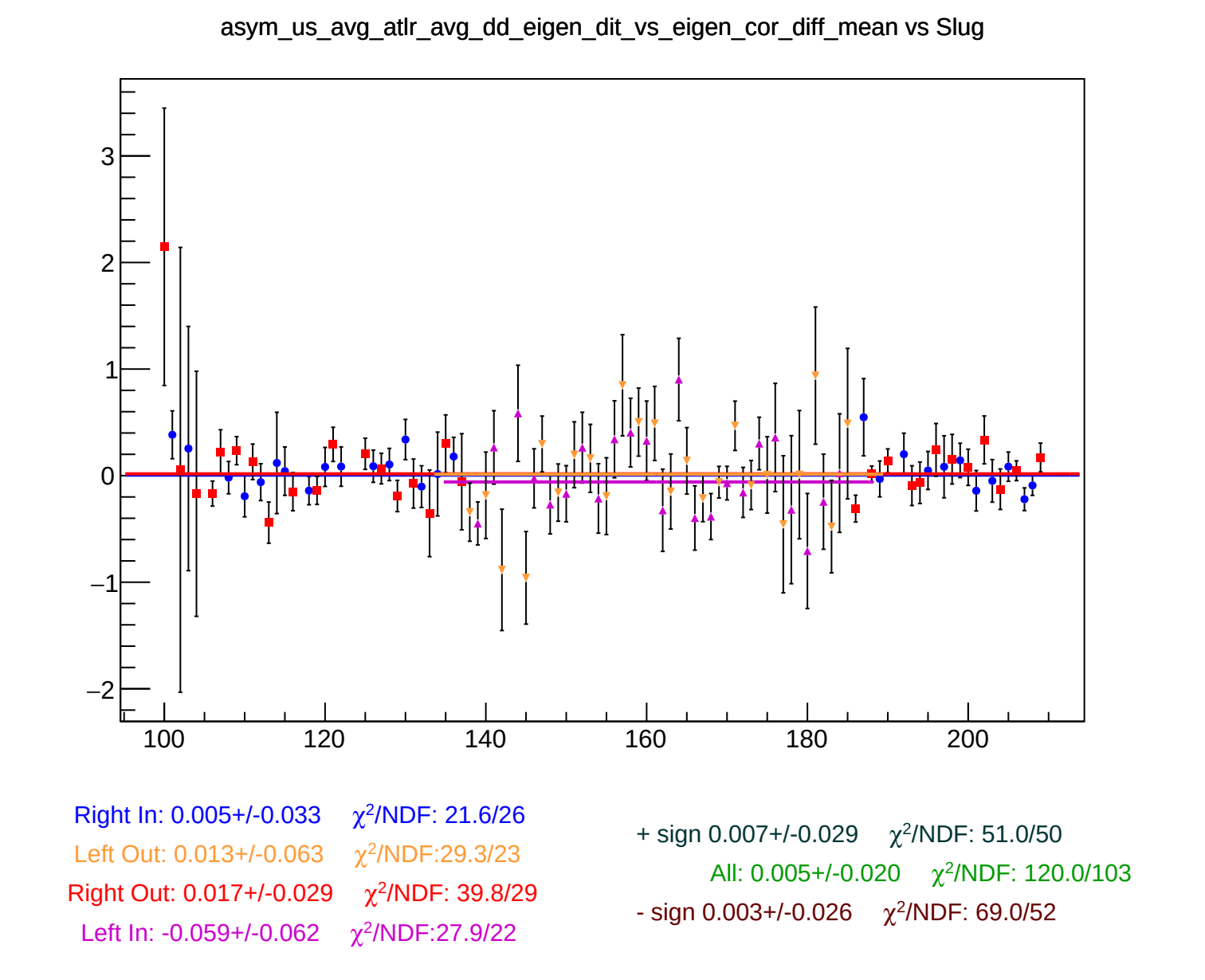
Right Out: 101.867+/-0.020 χ^2/NDF: 5858022.3/29

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 148.110+/-0.021 χ^2/NDF: 14369684.5/50

All: 136.653+/-0.014 χ^2/NDF: 33505361.3/10

- sign 127.606+/-0.018 χ^2/NDF: 18593012.4/52


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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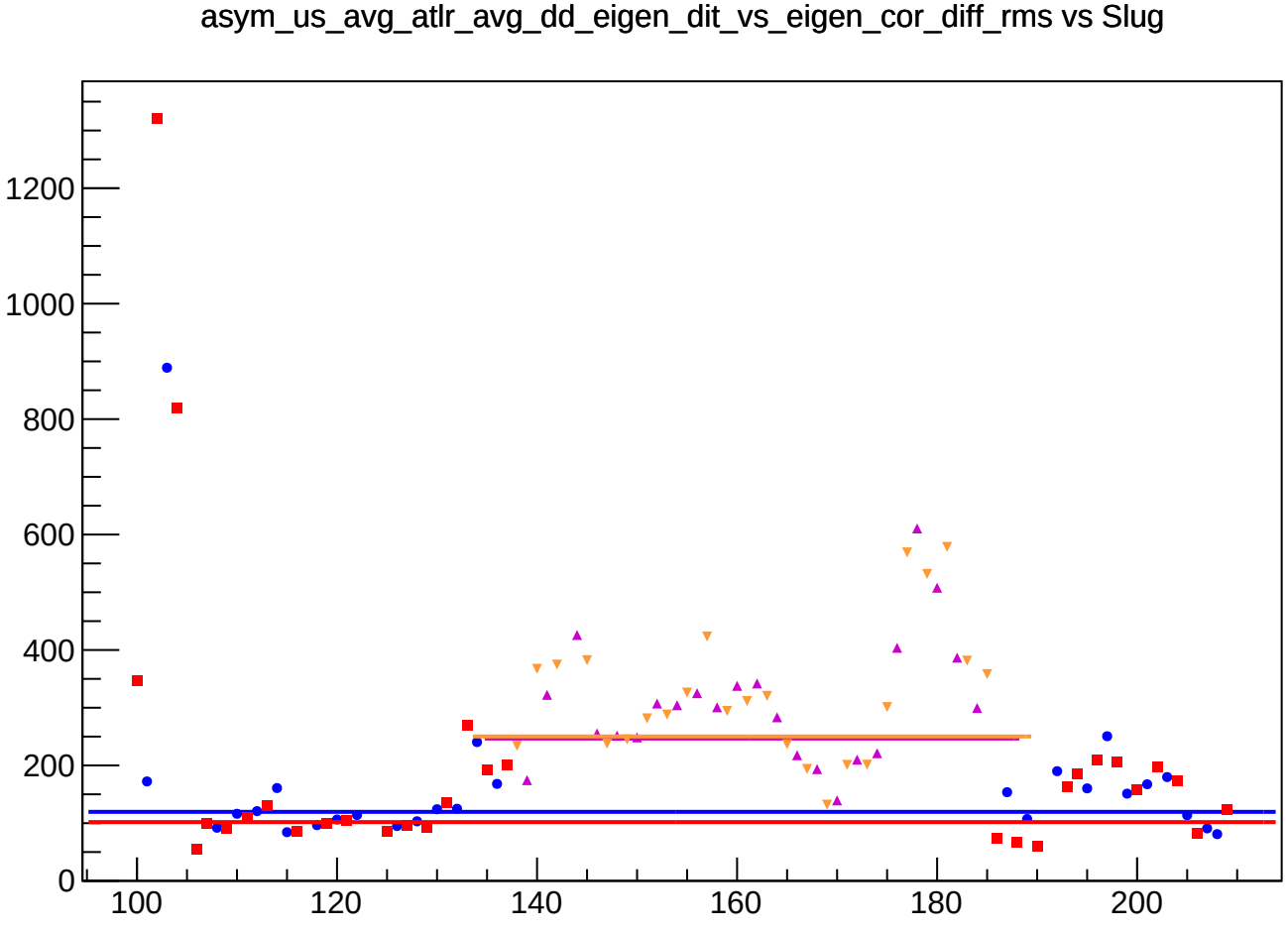
−1
−2
100
120
140
160
180
200
Right In: 0.005+/-0.033 χ²/NDF: 21.6/26
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.017+/-0.029 χ²/NDF: 39.8/29
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.007+/-0.029 χ²/NDF: 51.0/50
All: 0.005+/-0.020 χ²/NDF: 120.0/103
- sign 0.003+/-0.026 χ²/NDF: 69.0/52



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

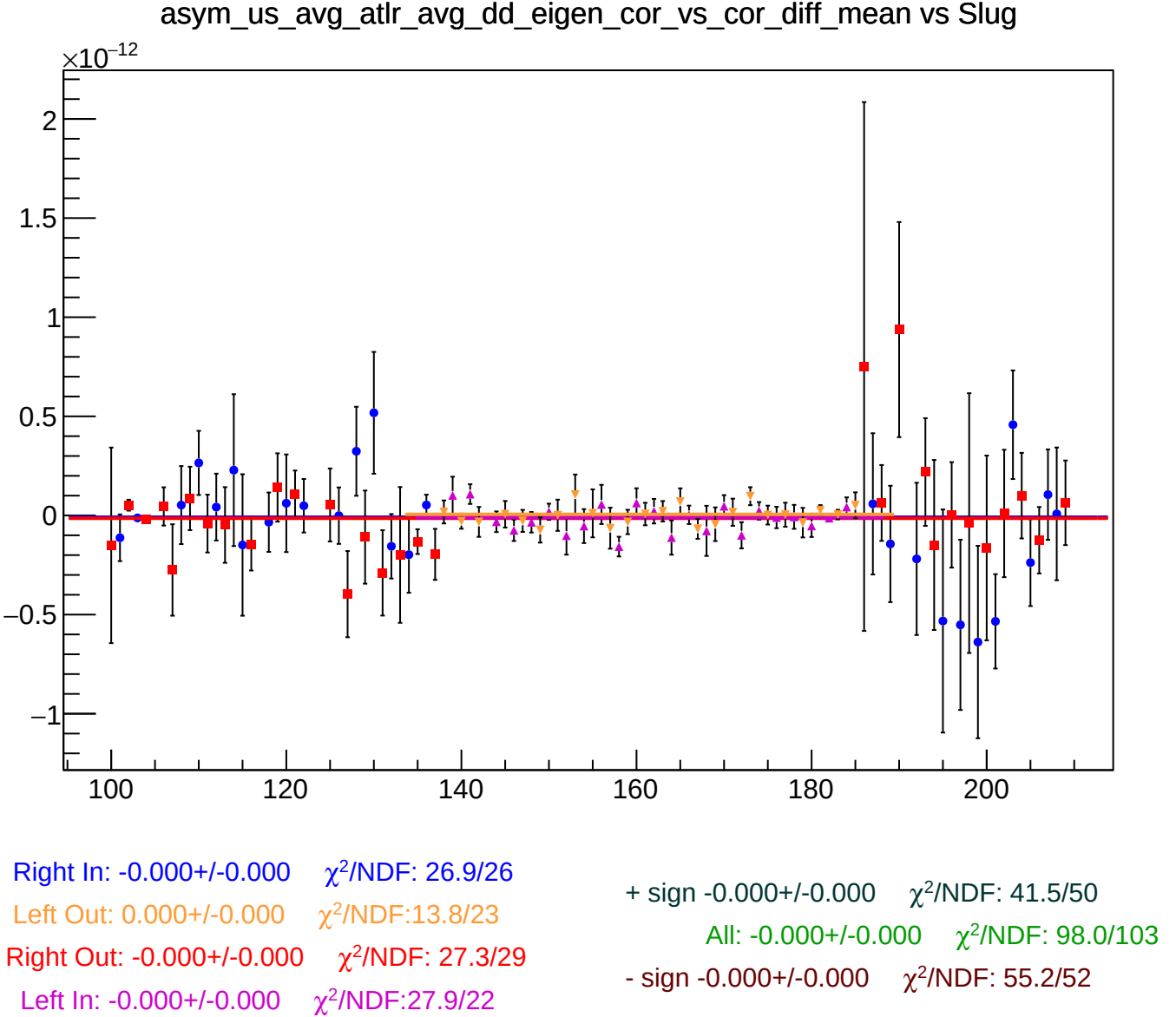
Right Out: 101.867+/-0.020 χ^2/NDF: 5858022.3/29

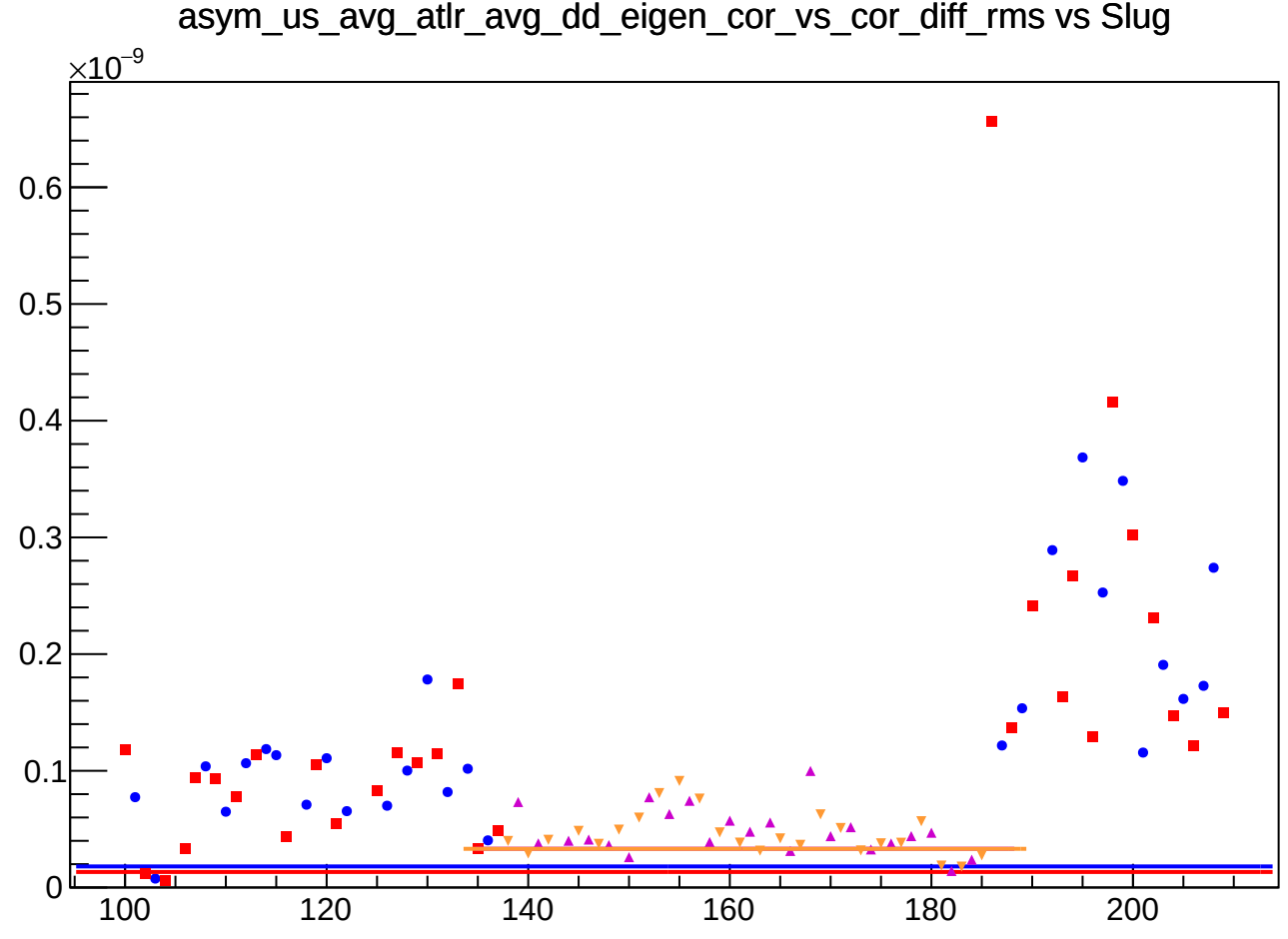
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 148.110+/-0.021 χ^2/NDF: 14369684.5/50

All: 136.653+/-0.014 χ^2/NDF: 33505361.3/10

- sign 127.606+/-0.018 χ^2/NDF: 18593012.4/52


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.9/26
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/29
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 41.5/50
All: -0.000+/-0.000 χ²/NDF: 98.0/103
- sign -0.000+/-0.000 χ²/NDF: 55.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 13990529.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14182398.8/29

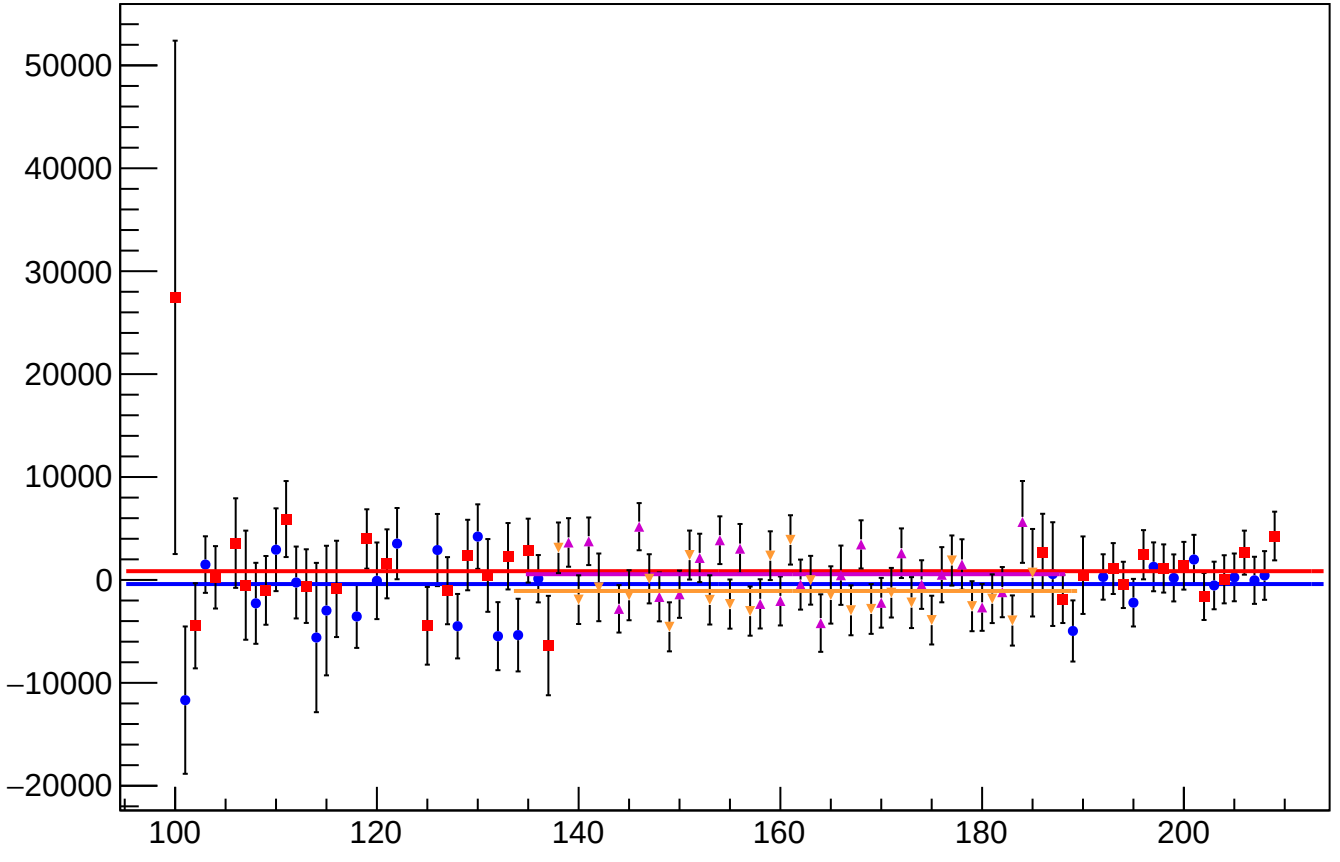
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19754432.1/50

All: 0.000+/-0.000 χ^2/NDF: 43118789.1/103

- sign 0.000+/-0.000 χ^2/NDF: 23052317.6/52

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -401.025+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 850.860+/-548.108 χ^2/NDF: 18.9/29

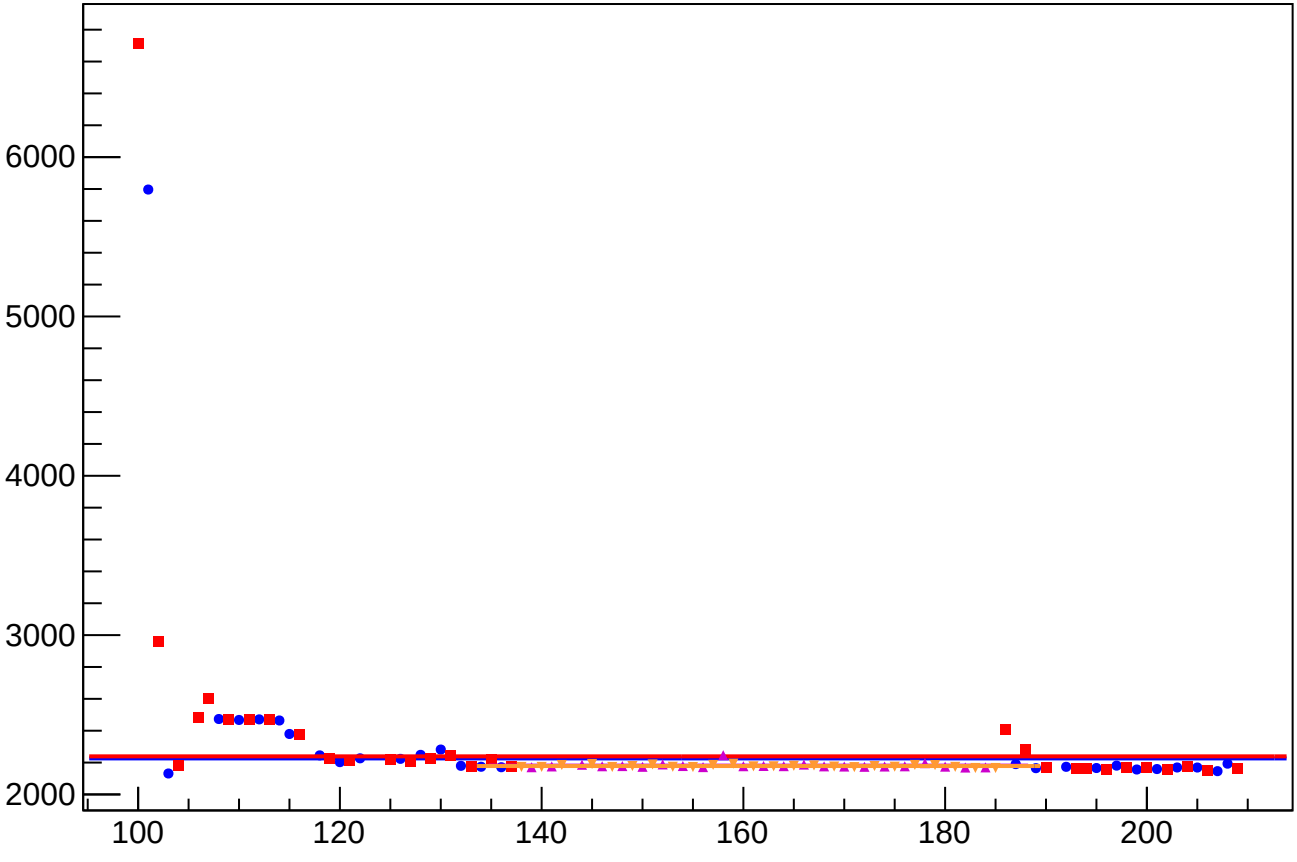
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -773.574+/-376.452 χ^2/NDF: 43.3/50

All: -33.566+/-264.984 χ^2/NDF: 98.7/103

- sign 693.161+/-373.059 χ^2/NDF: 47.8/52

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.5/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

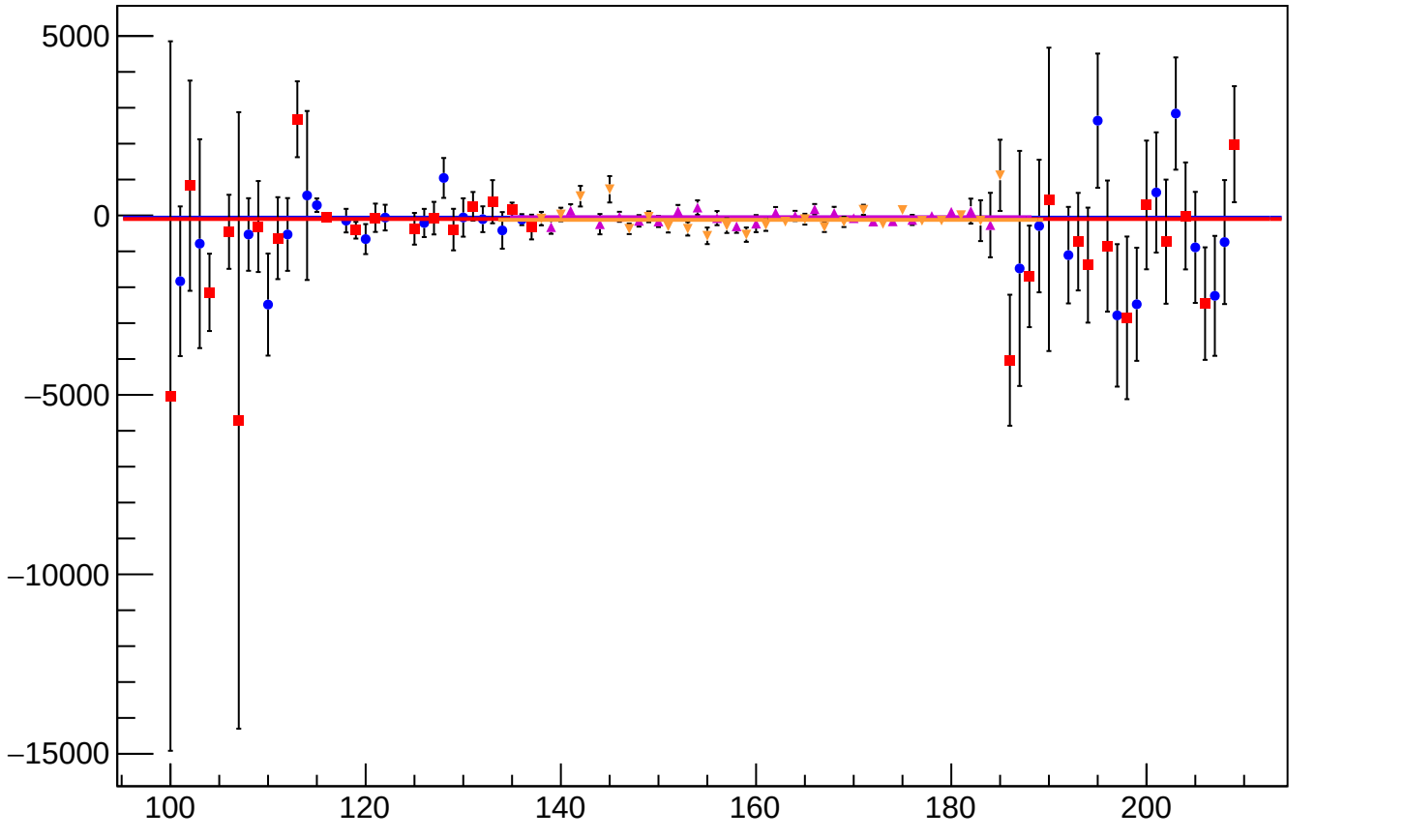
Right Out: 2239.064+/-0.388 χ^2/NDF: 195066.3/29

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2199.561+/-0.266 χ^2/NDF: 552384.3/50

All: 2203.746+/-0.187 χ^2/NDF: 761887.2/103

- sign 2207.855+/-0.264 χ^2/NDF: 209013.0/52



Right In: -61.054+/-89.534 χ^2/NDF: 27.3/26

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

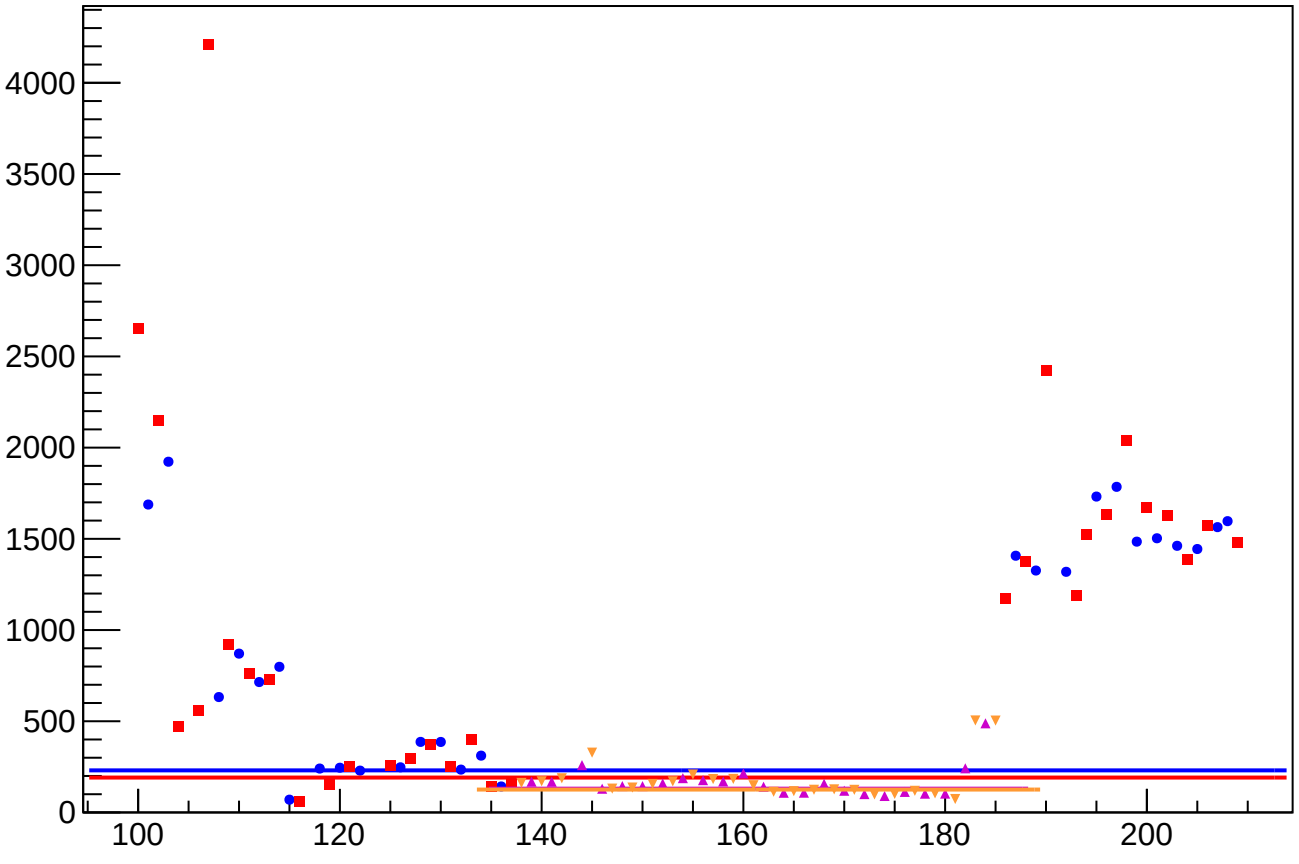
Right Out: -99.748+/-81.243 χ^2/NDF: 30.3/29

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.219+/-29.637 χ^2/NDF: 71.5/50

All: -87.252+/-21.157 χ^2/NDF: 122.3/103

- sign -57.152+/-30.211 χ^2/NDF: 48.8/52



Right In: 230.734+/-0.063 χ^2/NDF: 17642826.9/26

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 191.308+/-0.057 χ^2/NDF: 20979362.6/29

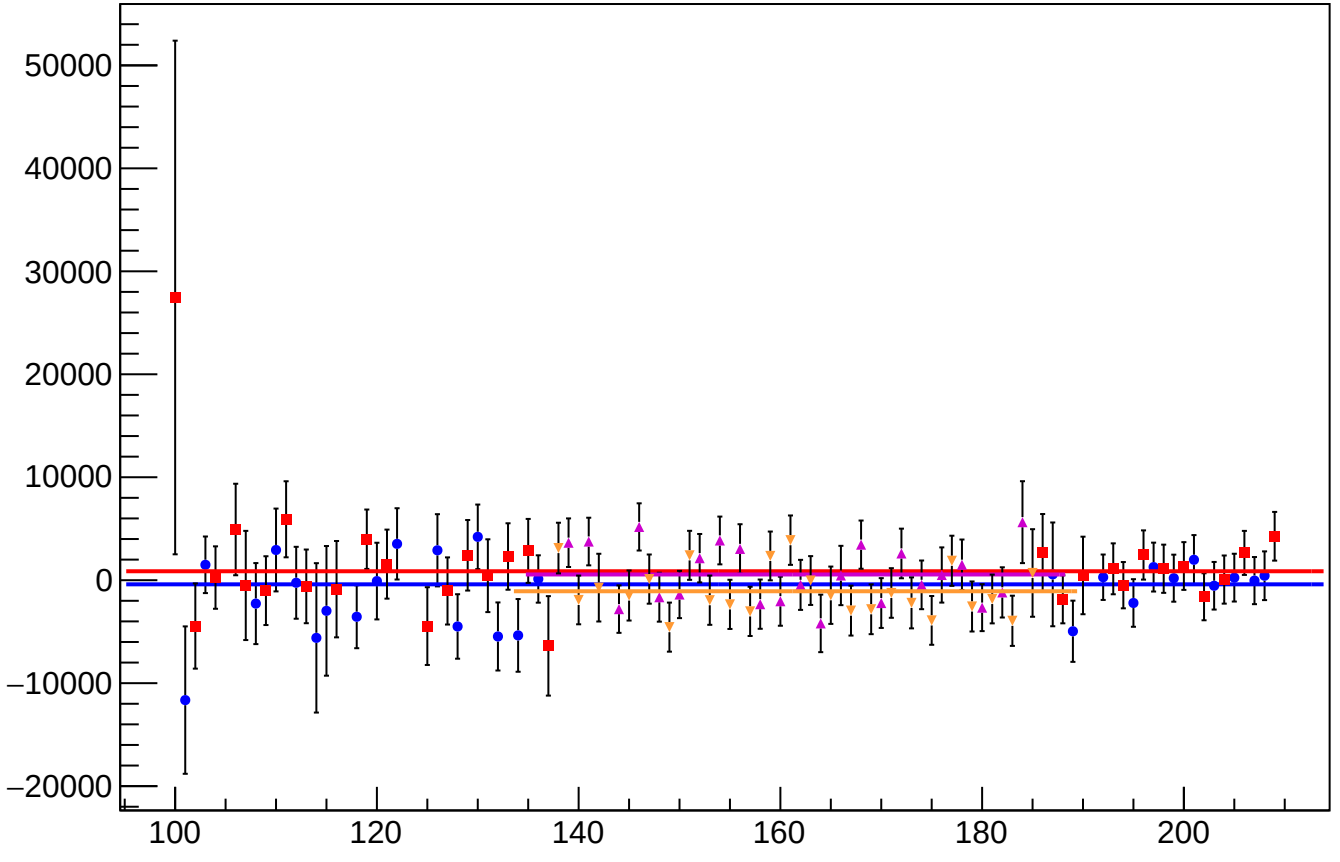
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 137.036+/-0.021 χ^2/NDF: 24045445.8/50

All: 137.928+/-0.015 χ^2/NDF: 48675694.7/10

- sign 138.854+/-0.021 χ^2/NDF: 24626561.5/52

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 869.651+/-548.289 χ^2/NDF: 19.4/29

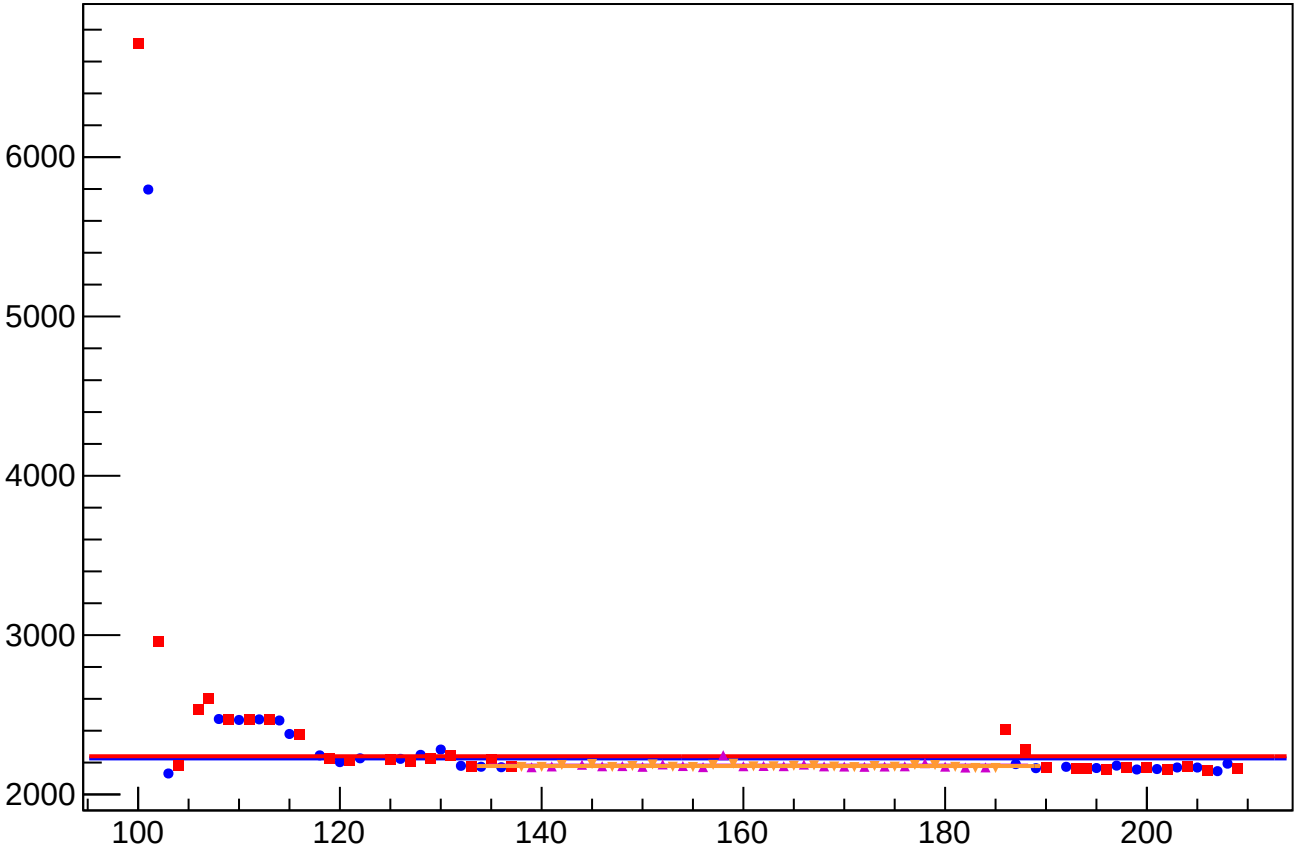
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -773.341+/-376.453 χ^2/NDF: 43.3/50

All: -29.190+/-265.005 χ^2/NDF: 99.3/103

- sign 701.830+/-373.116 χ^2/NDF: 48.2/52

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

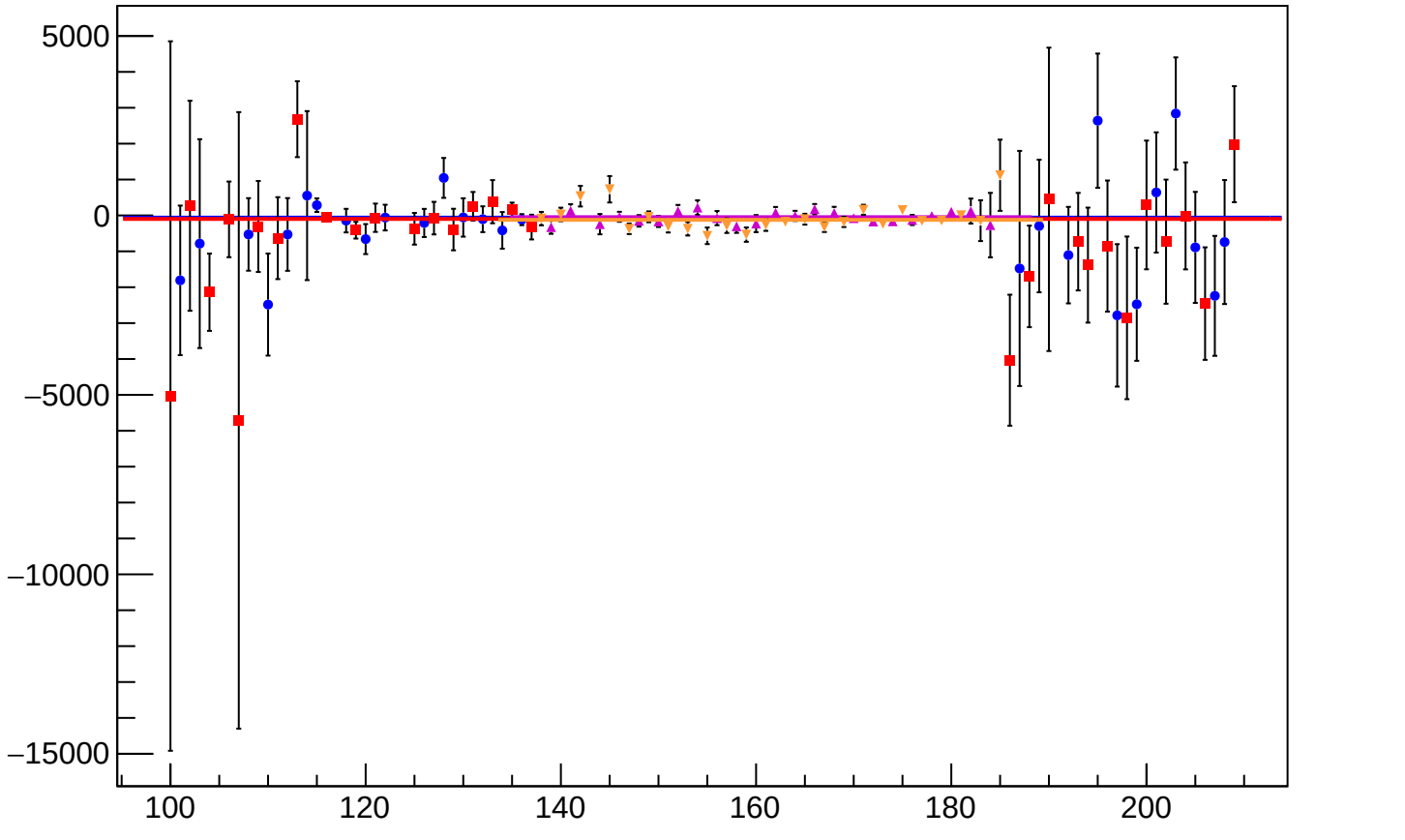
Right Out: 2239.674+/-0.388 χ^2/NDF: 197575.6/29

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2199.561+/-0.266 χ^2/NDF: 552384.6/50

All: 2203.883+/-0.187 χ^2/NDF: 764680.3/103

- sign 2208.128+/-0.264 χ^2/NDF: 211773.1/52



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

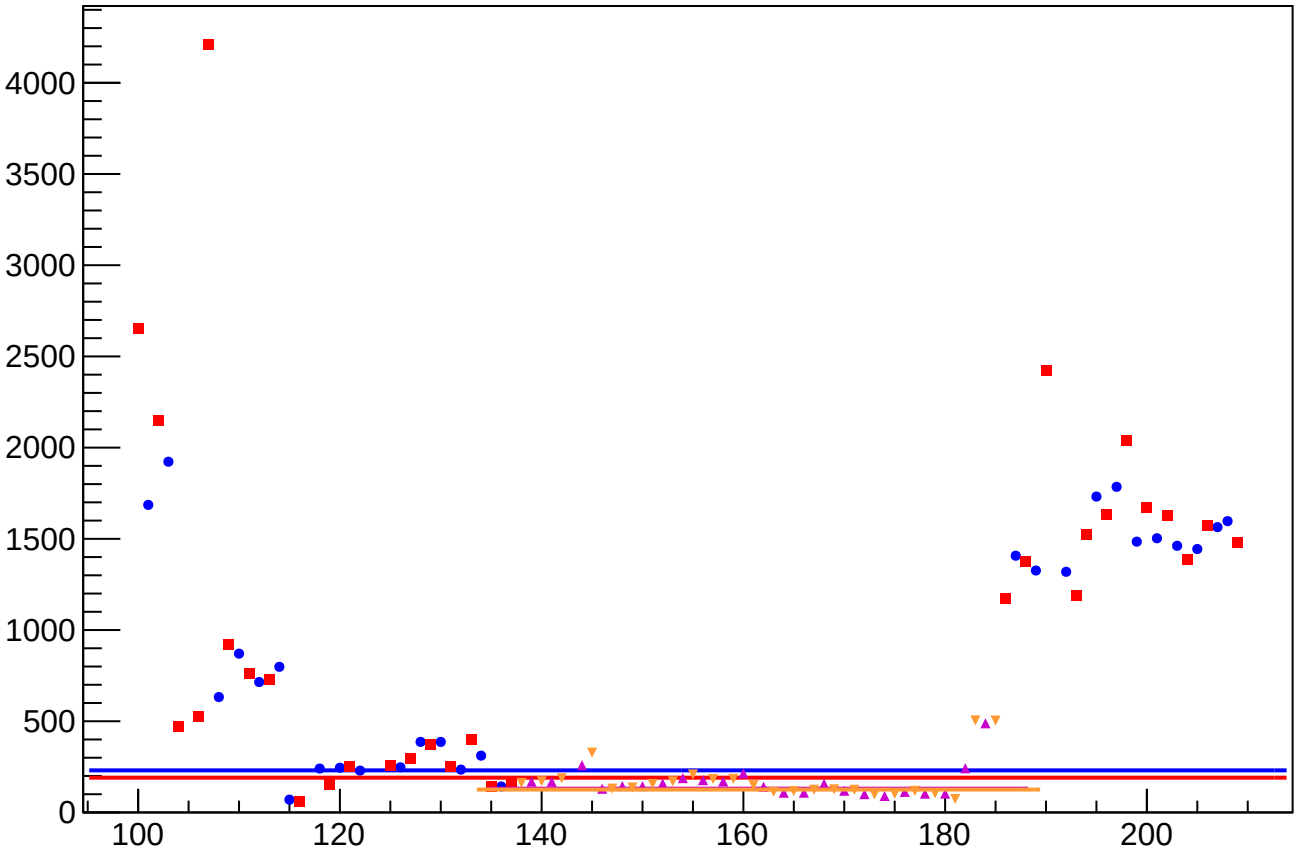
Right Out: -97.766+/-81.184 χ^2/NDF: 30.1/29

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.153+/-29.638 χ^2/NDF: 71.5/50

All: -87.042+/-21.157 χ^2/NDF: 122.1/103

- sign -56.795+/-30.211 χ^2/NDF: 48.6/52



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 190.714+/-0.057 χ^2/NDF: 20946287.0/29

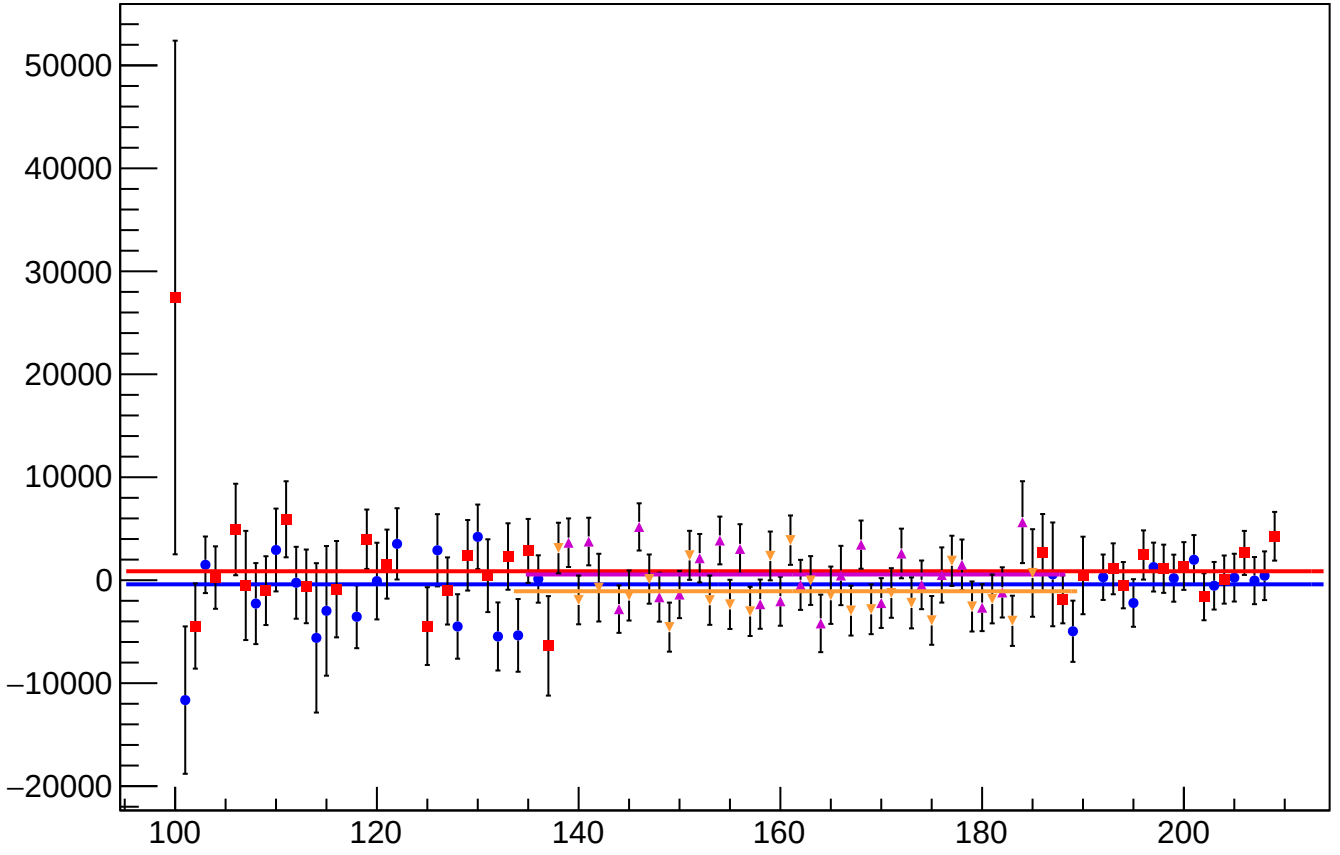
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 137.035+/-0.021 χ^2/NDF: 24045892.5/50

All: 137.899+/-0.015 χ^2/NDF: 48624441.9/10

- sign 138.796+/-0.021 χ^2/NDF: 24575085.6/52

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 869.651+/-548.289 χ^2/NDF: 19.4/29

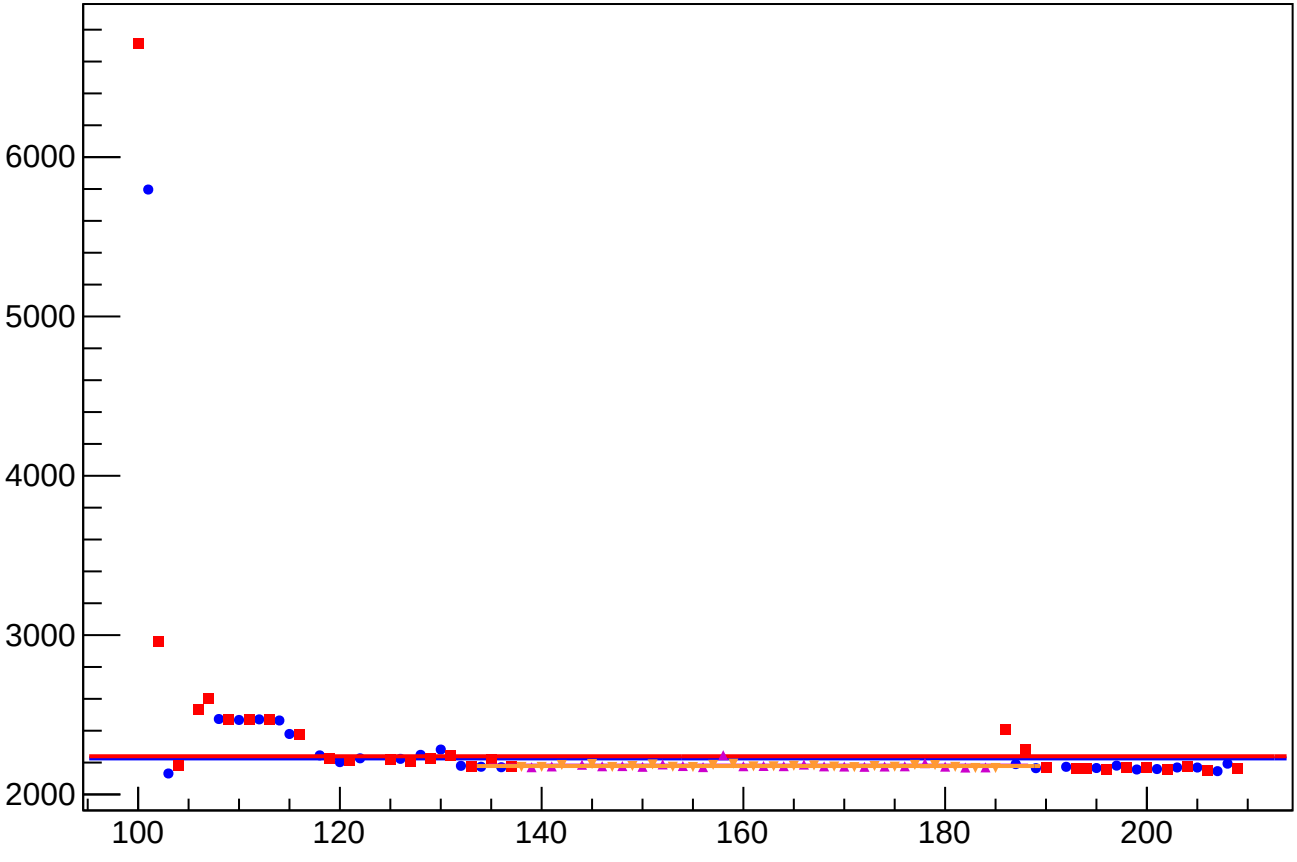
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -773.341+/-376.453 χ^2/NDF: 43.3/50

All: -29.190+/-265.005 χ^2/NDF: 99.3/103

- sign 701.830+/-373.116 χ^2/NDF: 48.2/52

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

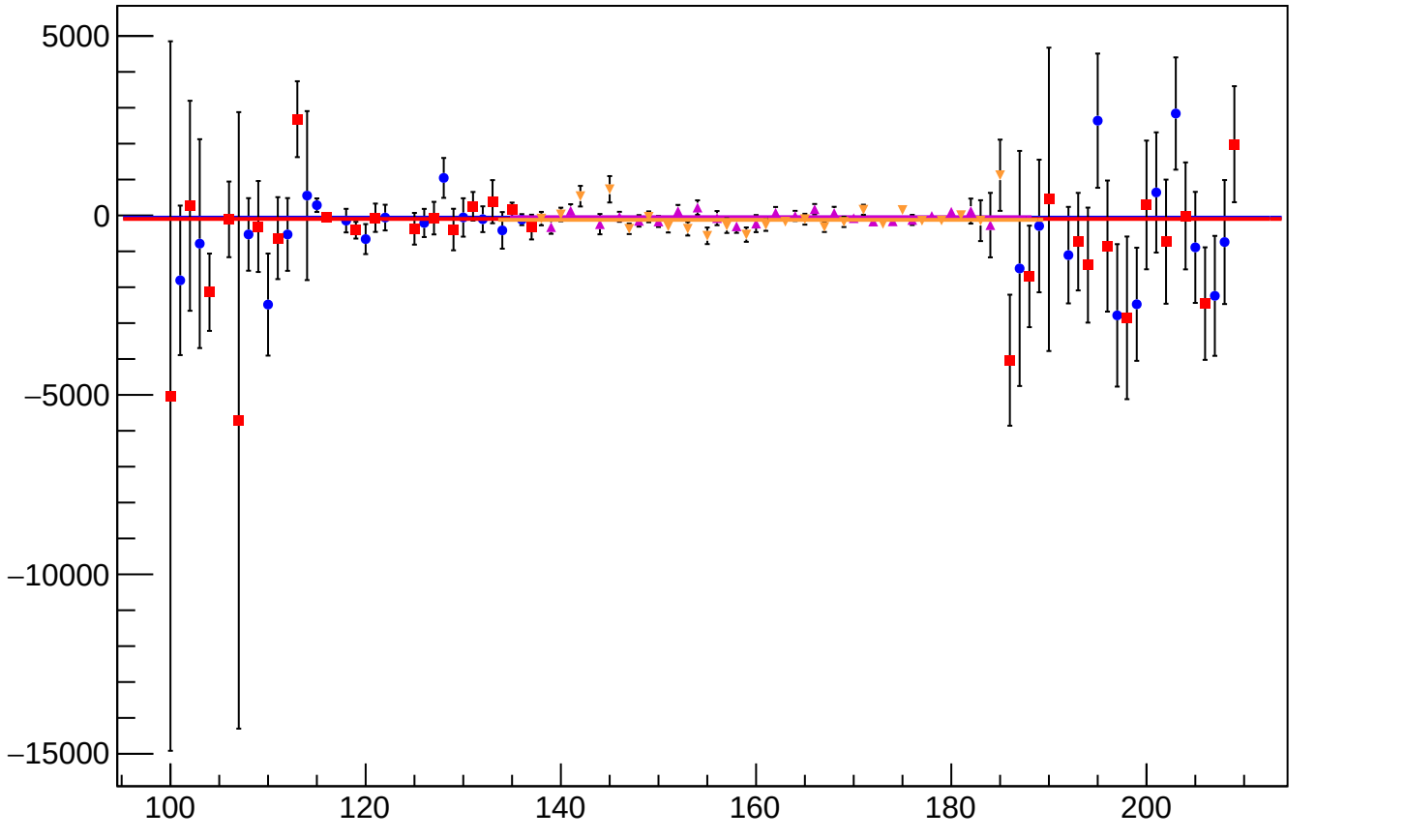
Right Out: 2239.674+/-0.388 χ^2/NDF: 197575.6/29

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2199.561+/-0.266 χ^2/NDF: 552384.6/50

All: 2203.883+/-0.187 χ^2/NDF: 764680.3/103

- sign 2208.128+/-0.264 χ^2/NDF: 211773.1/52



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

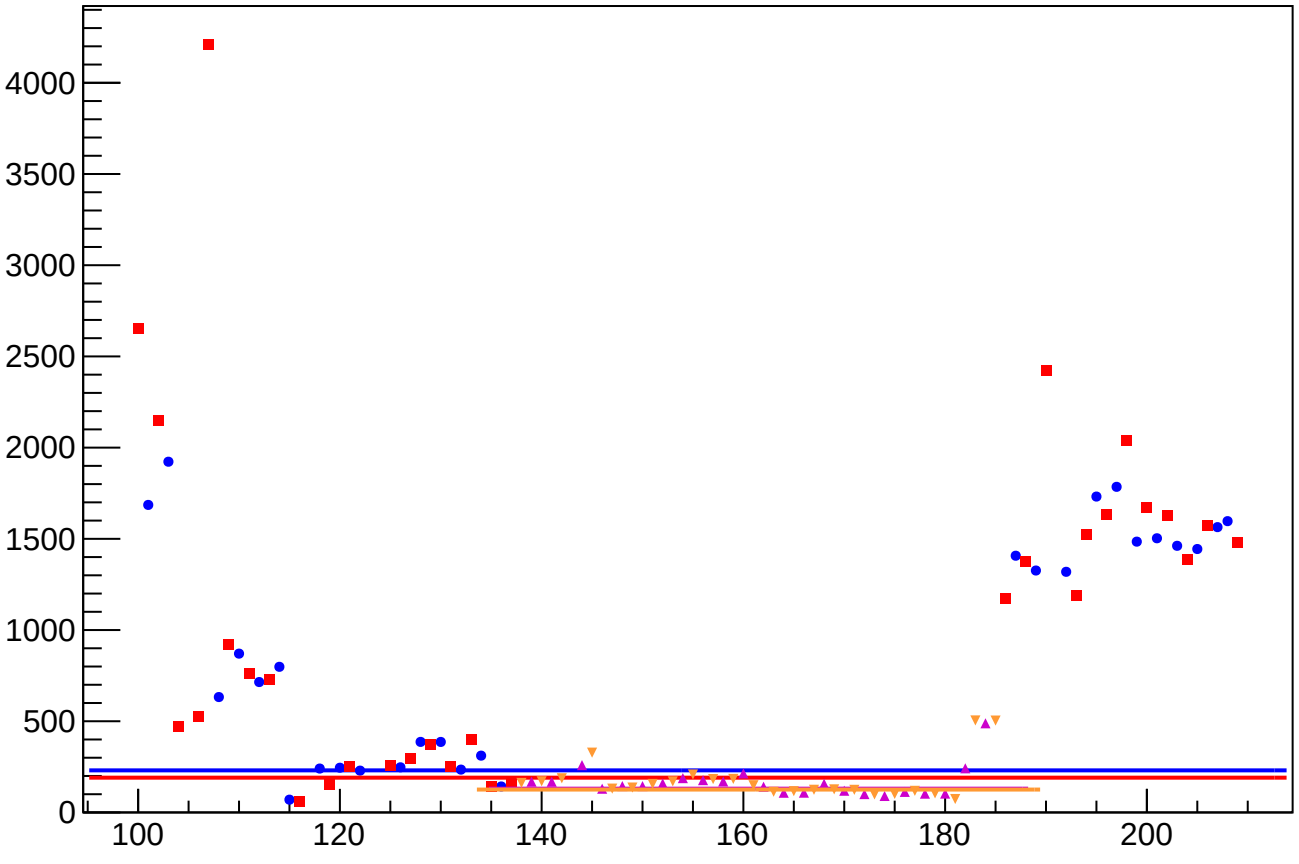
Right Out: -97.766+/-81.184 χ^2/NDF: 30.1/29

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.153+/-29.638 χ^2/NDF: 71.5/50

All: -87.042+/-21.157 χ^2/NDF: 122.1/103

- sign -56.795+/-30.211 χ^2/NDF: 48.6/52



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 190.714+/-0.057 χ^2/NDF: 20946287.0/29

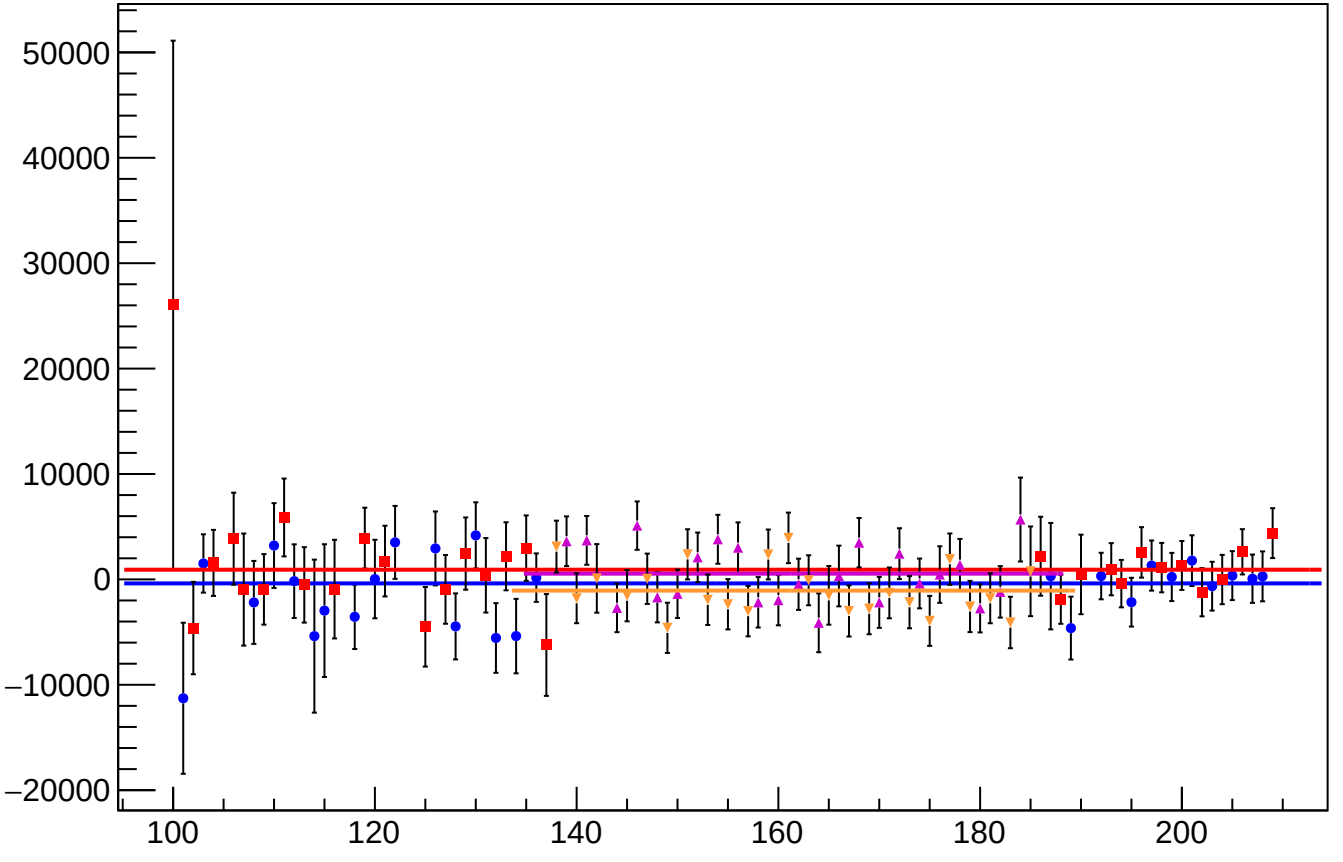
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 137.035+/-0.021 χ^2/NDF: 24045892.5/50

All: 137.899+/-0.015 χ^2/NDF: 48624441.9/10

- sign 138.796+/-0.021 χ^2/NDF: 24575085.6/52

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -380.600+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 918.042+/-549.838 χ^2/NDF: 18.4/29

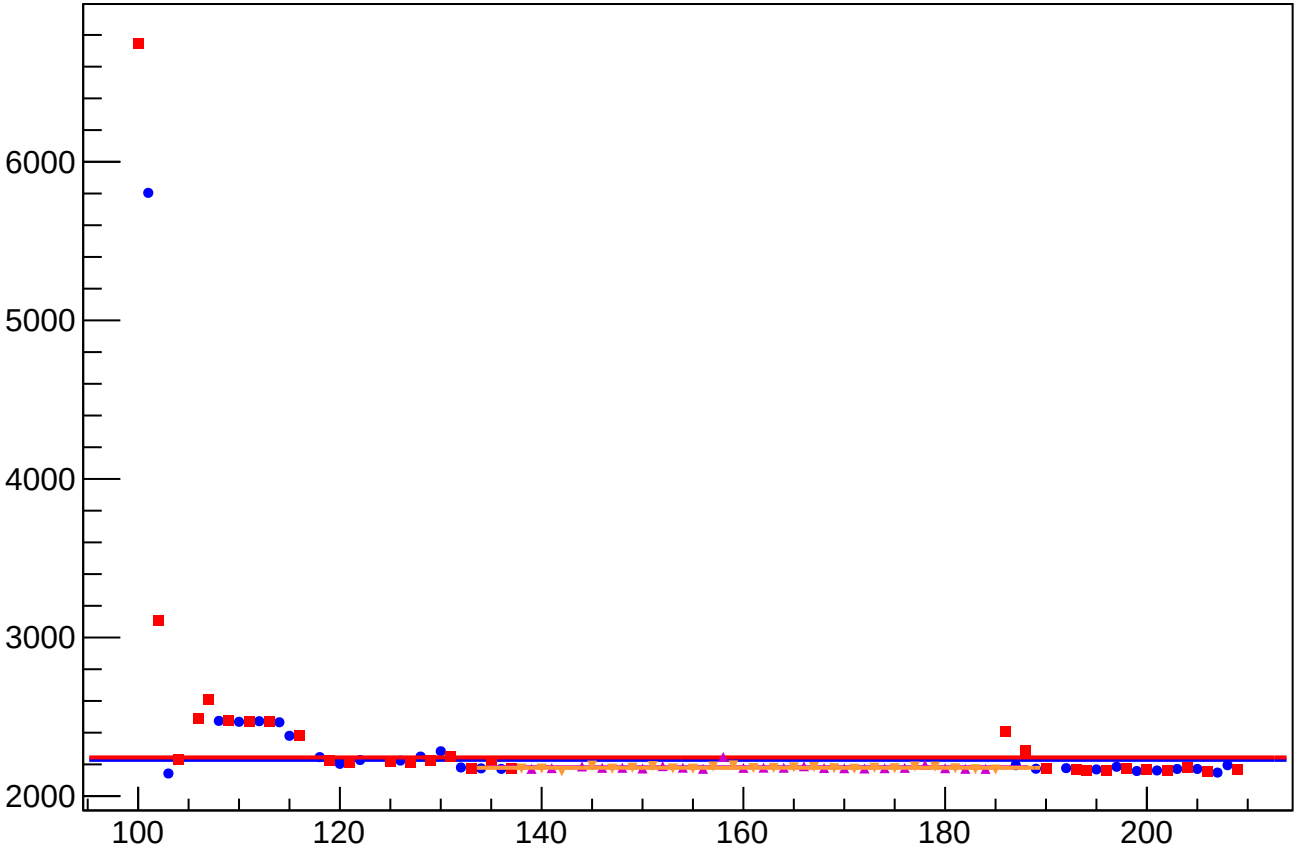
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -758.984+/-376.683 χ^2/NDF: 43.0/50

All: -15.151+/-265.291 χ^2/NDF: 97.3/103

- sign 716.914+/-373.692 χ^2/NDF: 46.5/52

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

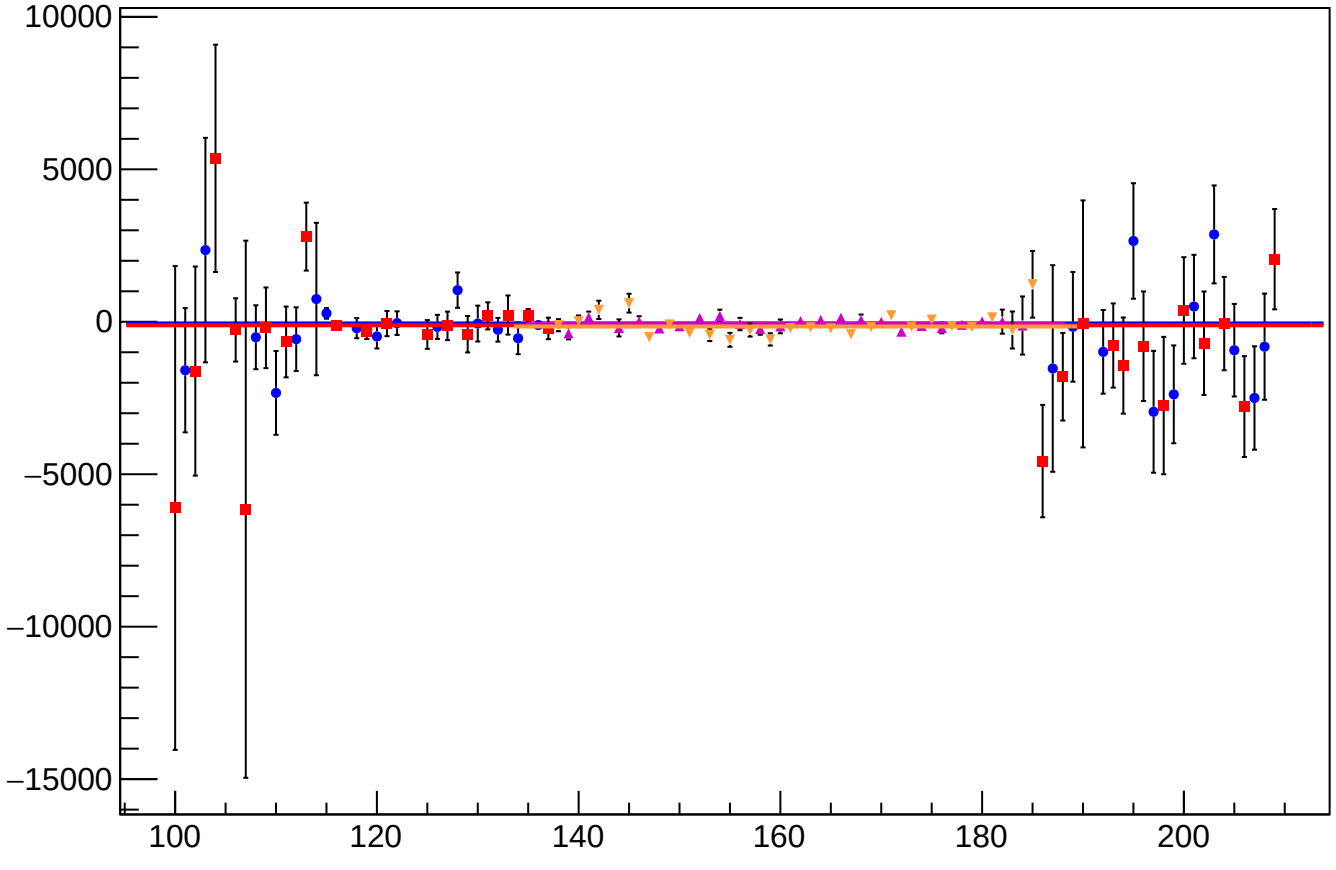
Right Out: 2243.949+/-0.389 χ^2/NDF: 213087.5/29

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2200.777+/-0.266 χ^2/NDF: 552484.8/50

All: 2205.704+/-0.188 χ^2/NDF: 781802.2/103

- sign 2210.552+/-0.264 χ^2/NDF: 228638.7/52



Right In: -54.579+/-90.986 χ^2/NDF: 27.0/26

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

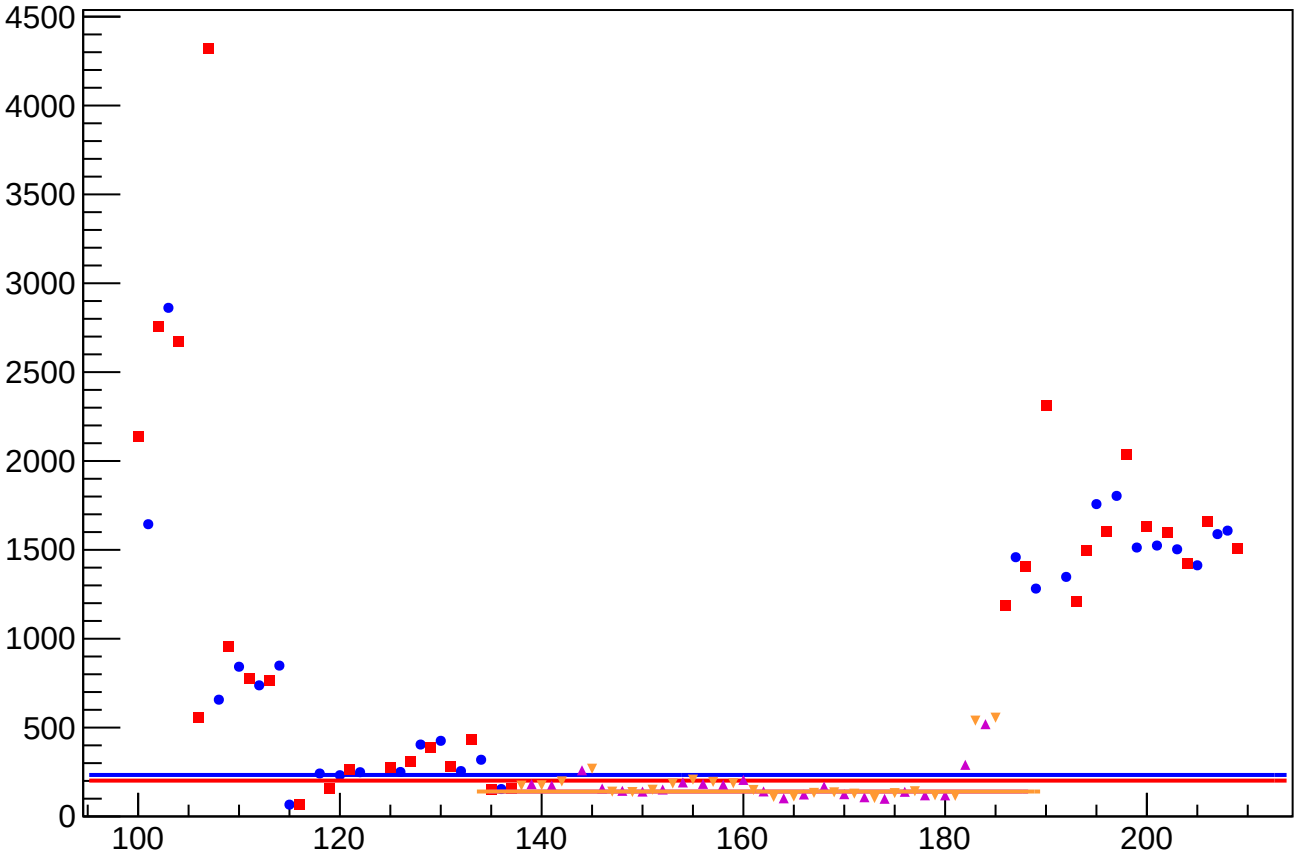
Right Out: -115.514+/-84.806 χ^2/NDF: 29.3/29

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

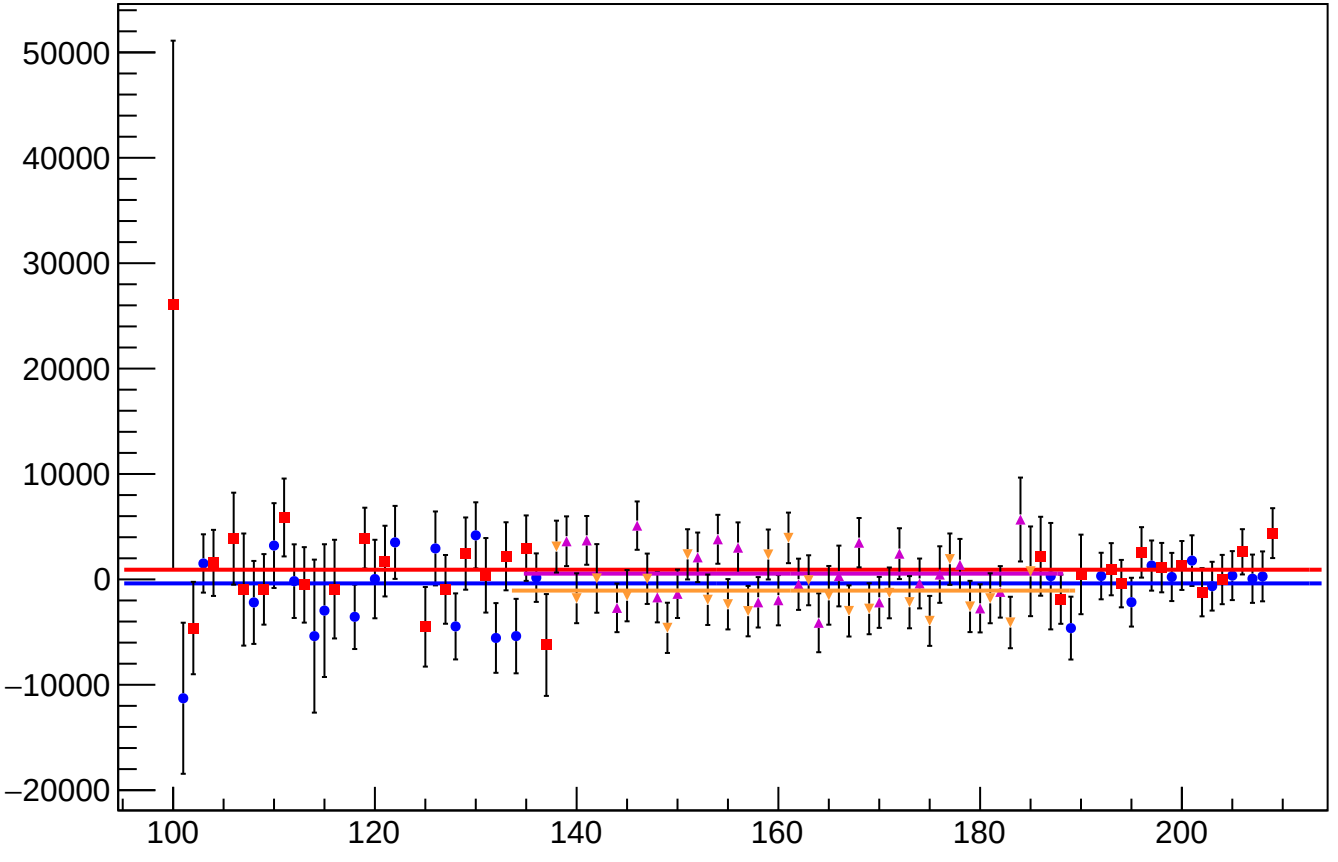
+ sign -142.416+/-31.899 χ^2/NDF: 75.4/50

All: -109.269+/-22.493 χ^2/NDF: 126.0/103

- sign -76.490+/-31.721 χ^2/NDF: 48.5/52


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: 233.526+/-0.064 χ²/NDF: 18200370.2/26
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 201.657+/-0.060 χ²/NDF: 21747151.7/29
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 151.775+/-0.023 χ²/NDF: 22801524.9/50
All: 150.183+/-0.016 χ²/NDF: 47880914.7/10
- sign 148.608+/-0.022 χ²/NDF: 25069477.0/52

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -380.602+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

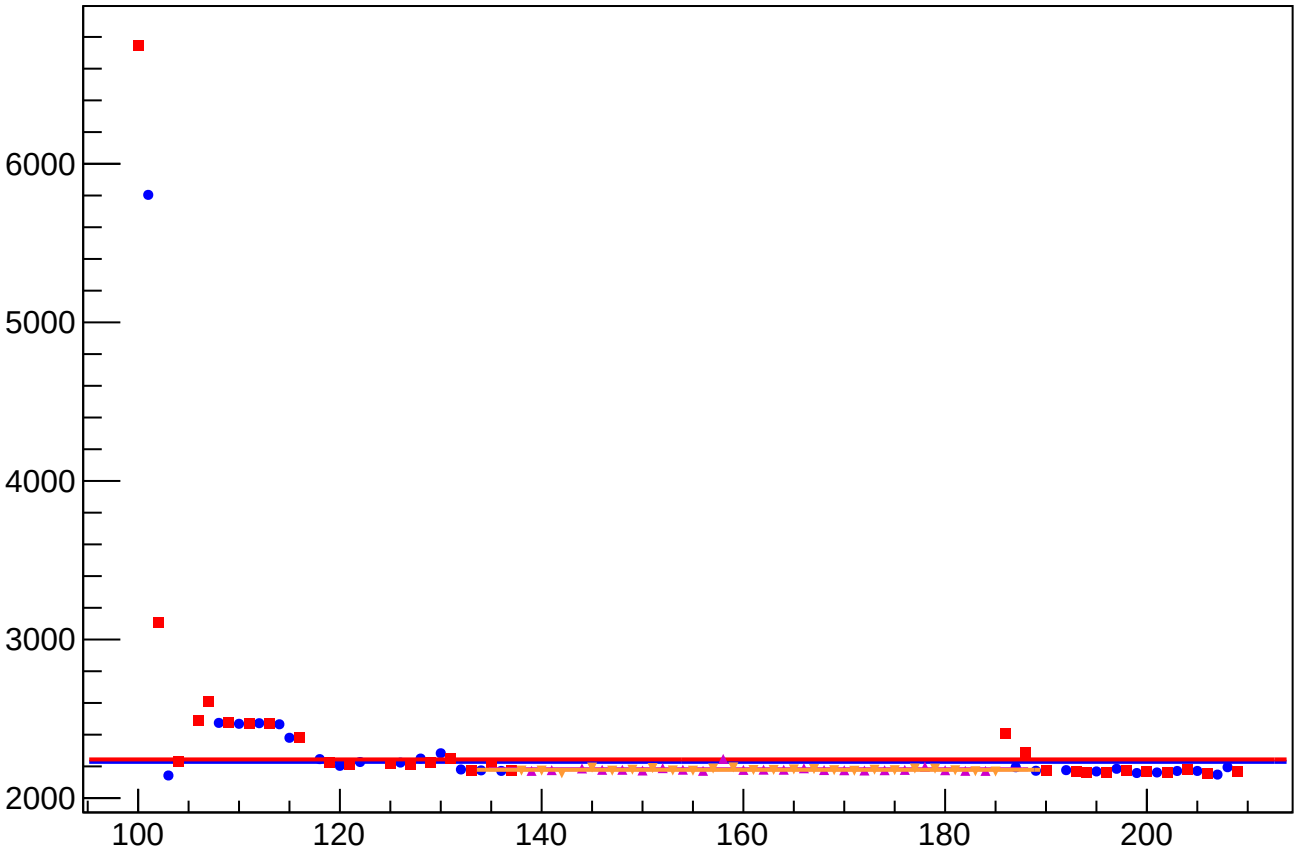
Right Out: 918.041+/-549.838 χ^2/NDF: 18.4/29

Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -758.985+/-376.683 χ^2/NDF: 43.0/50

All: -15.152+/-265.291 χ^2/NDF: 97.3/103

- sign 716.913+/-373.692 χ^2/NDF: 46.5/52



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2243.949+/-0.389 χ^2/NDF: 213087.4/29

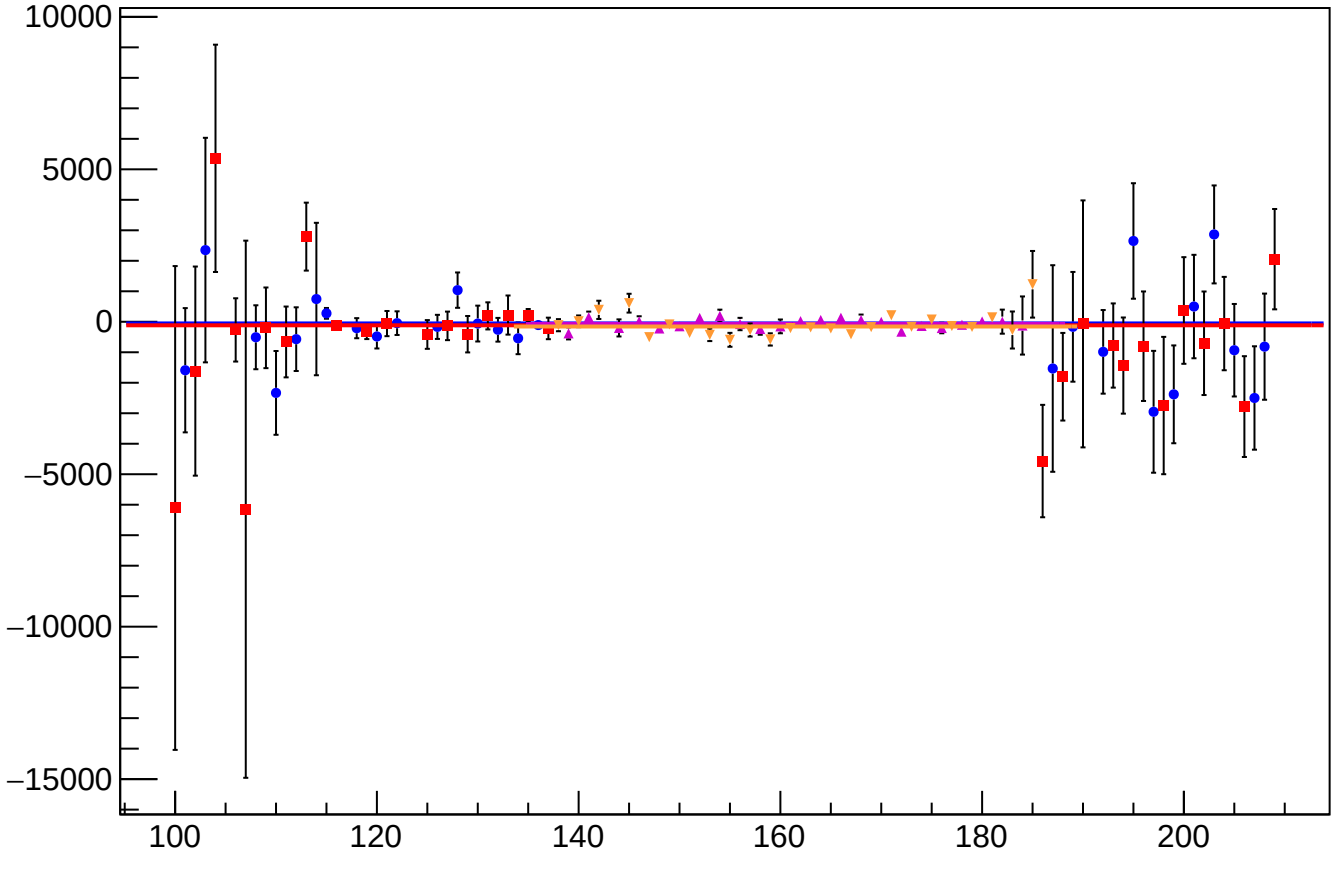
Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2200.777+/-0.266 χ^2/NDF: 552484.8/50

All: 2205.704+/-0.188 χ^2/NDF: 781802.1/103

- sign 2210.552+/-0.264 χ^2/NDF: 228638.6/52

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug



Right In: -54.576+/-90.985 χ^2/NDF: 27.0/26

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

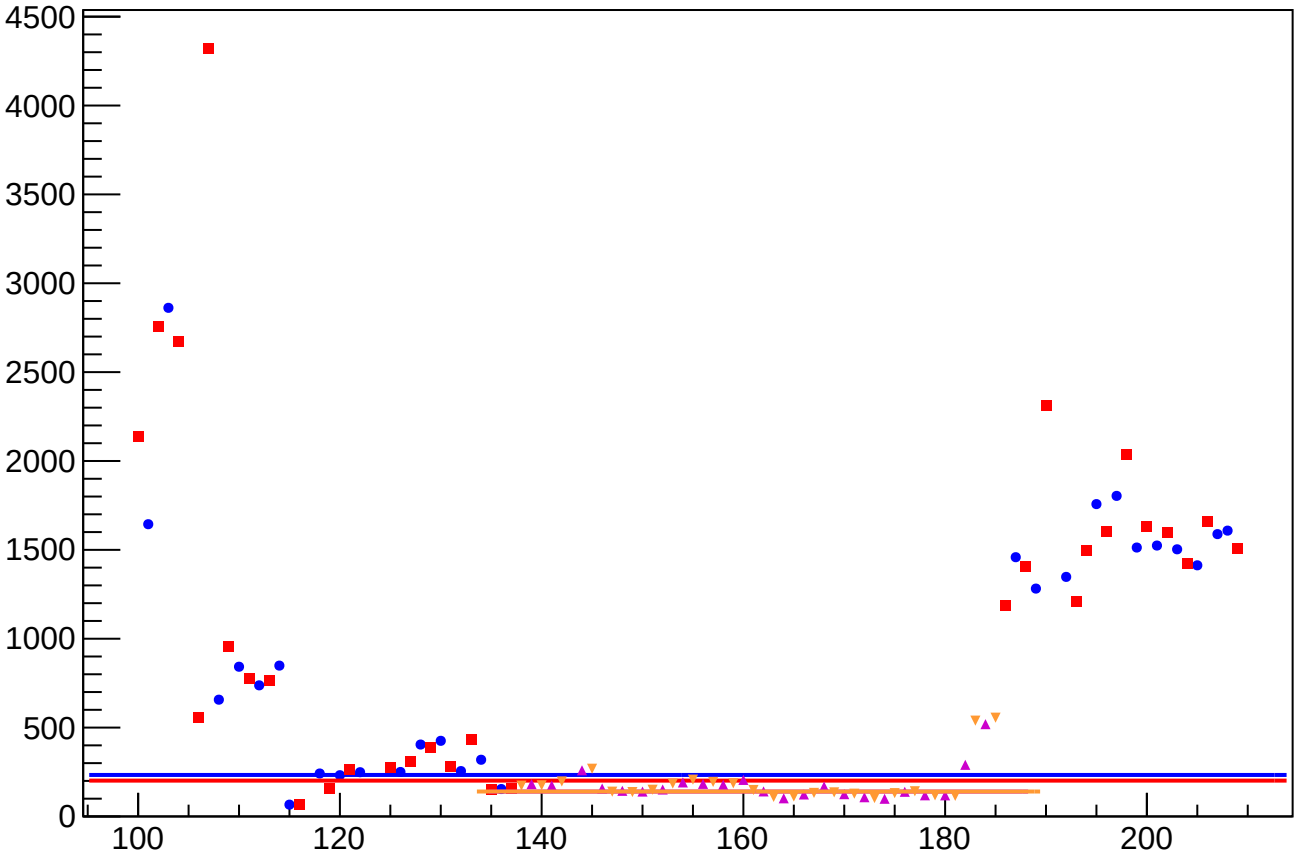
Right Out: -115.514+/-84.805 χ^2/NDF: 29.3/29

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -142.416+/-31.899 χ^2/NDF: 75.4/50

All: -109.269+/-22.493 χ^2/NDF: 126.0/103

- sign -76.489+/-31.721 χ^2/NDF: 48.5/52



Right In: 233.523+/-0.064 χ^2/NDF: 18200465.0/26

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 201.654+/-0.060 χ^2/NDF: 21747272.2/29

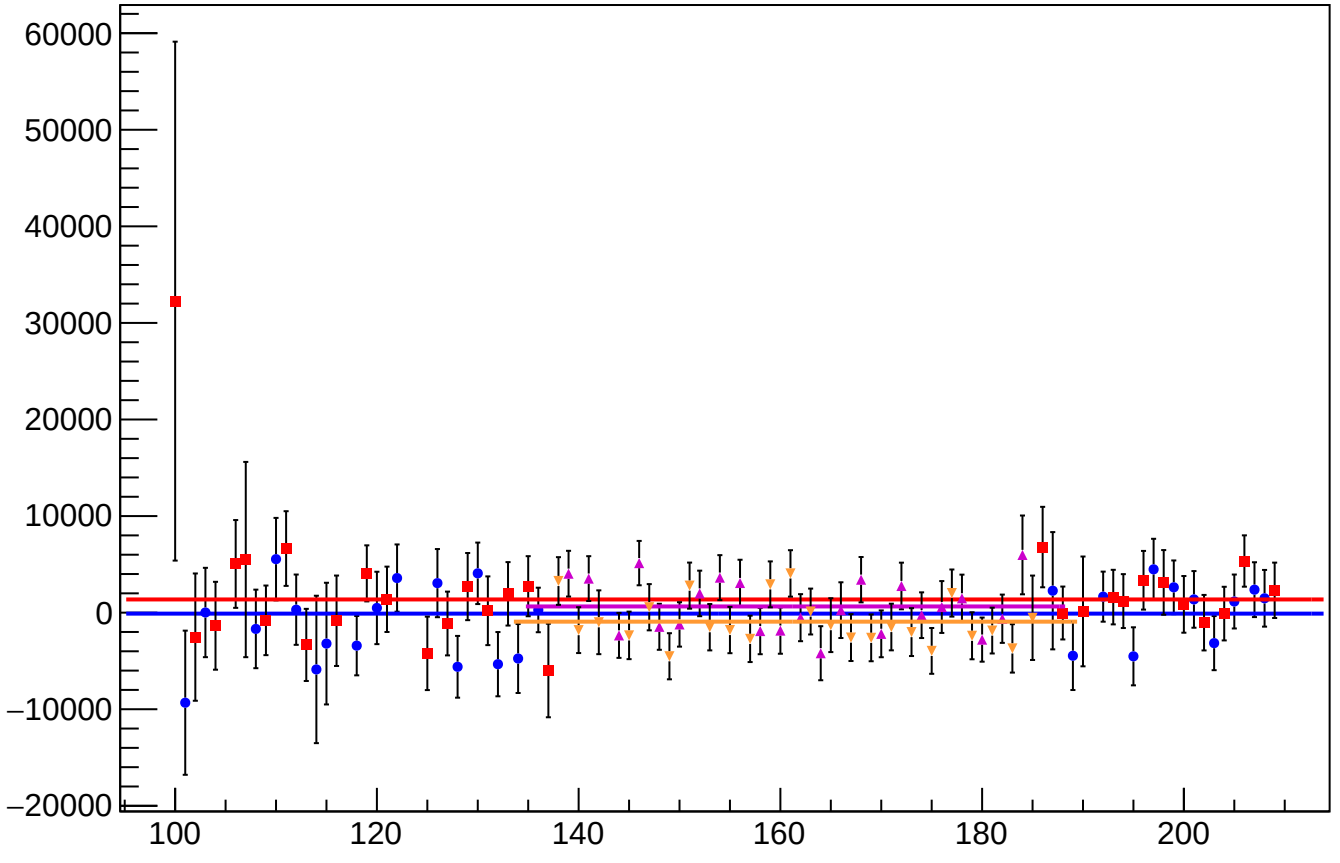
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 151.775+/-0.023 χ^2/NDF: 22801510.6/50

All: 150.183+/-0.016 χ^2/NDF: 47880997.9/10

- sign 148.608+/-0.022 χ^2/NDF: 25069572.7/52

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -100.996+/-645.667 χ^2/NDF: 26.3/26

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1367.560+/-637.231 χ^2/NDF: 19.3/29

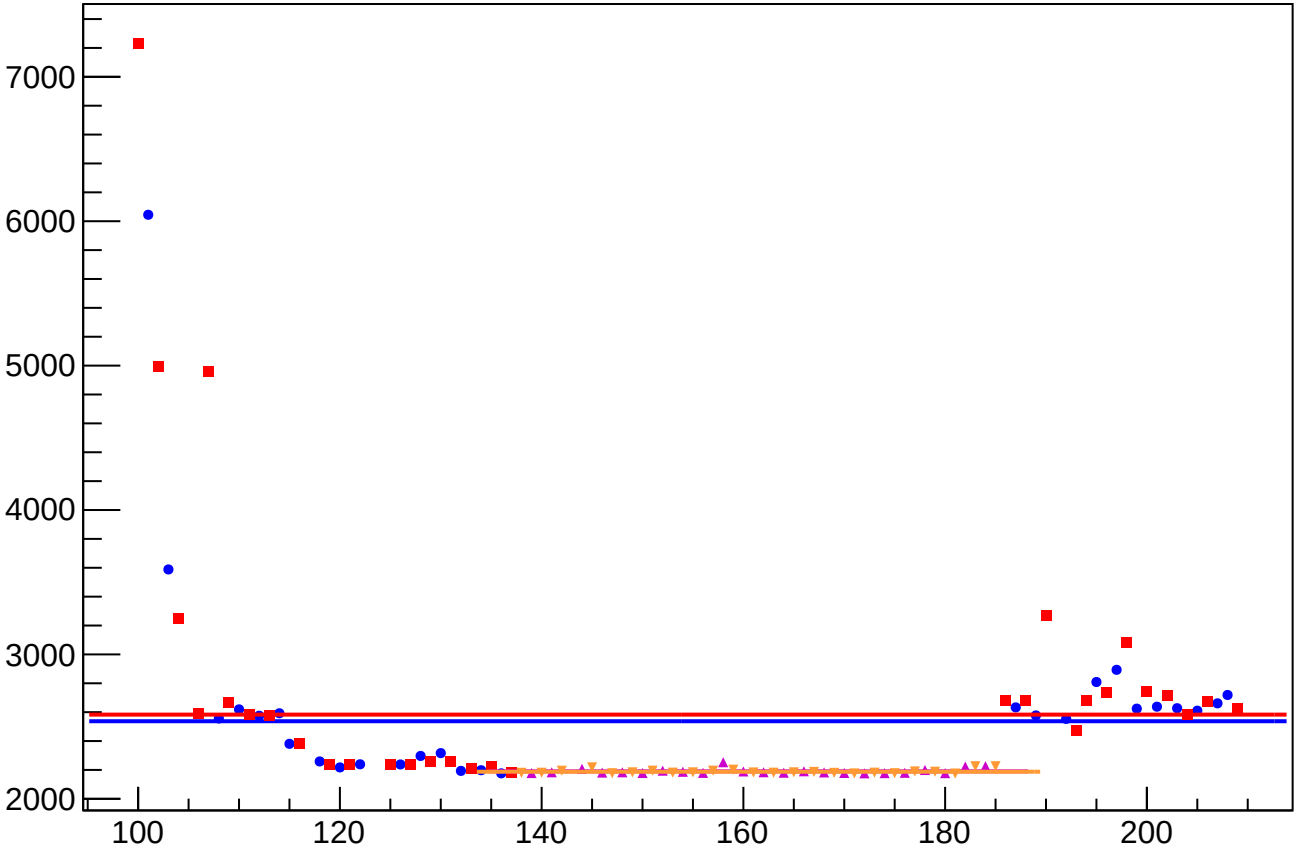
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

\+ sign -614.490+/-399.105 χ^2/NDF: 49.7/50

All: 156.632+/-282.112 χ^2/NDF: 104.3/103

\- sign 926.690+/-398.829 χ^2/NDF: 47.1/52

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2537.248+/-0.457 χ^2/NDF: 778602.4/26

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

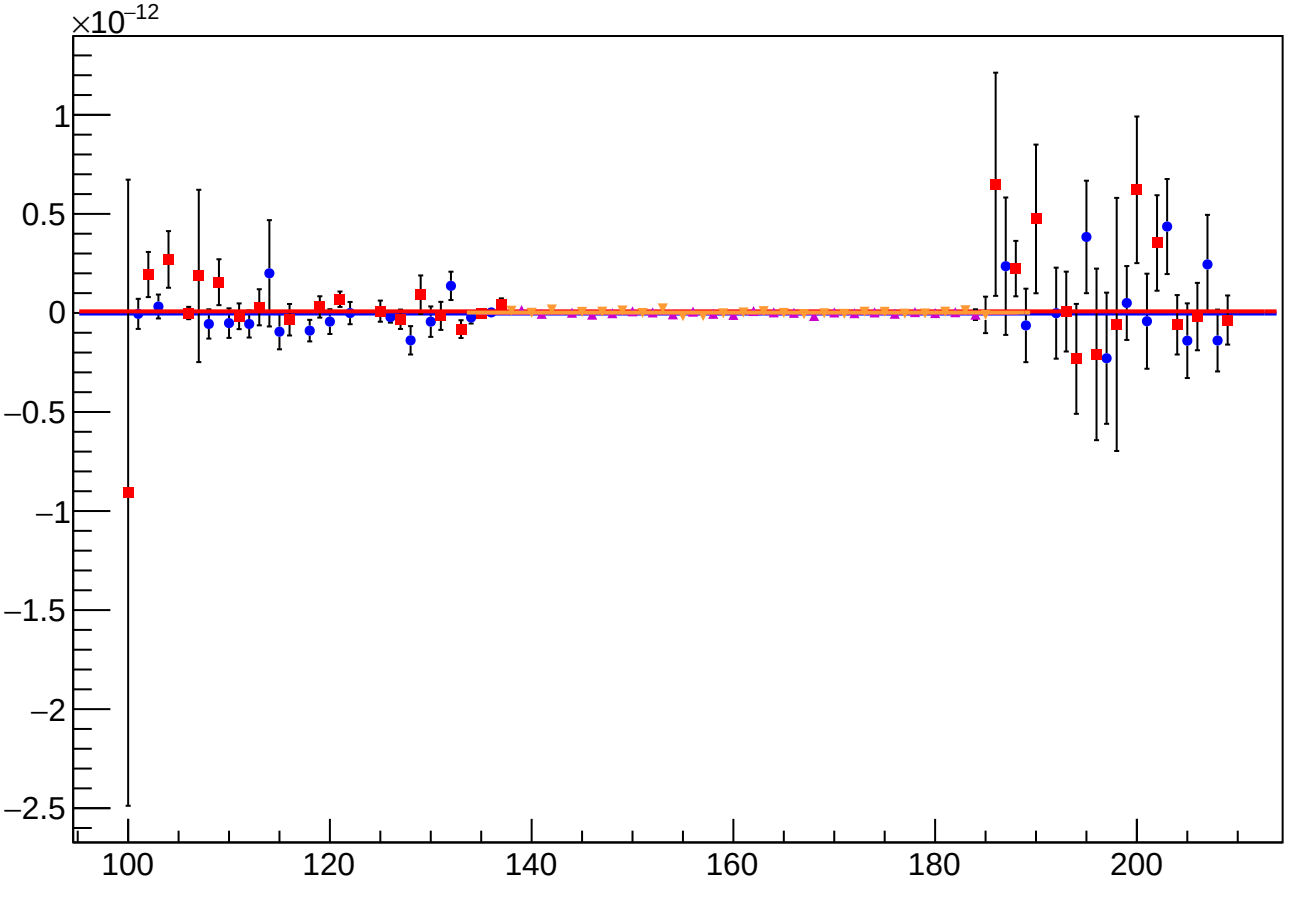
Right Out: 2583.051+/-0.451 χ^2/NDF: 774828.1/29

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

\+ sign 2321.206+/-0.282 χ^2/NDF: 1142318.0/50

All: 2332.645+/-0.199 χ^2/NDF: 2385433.1/10

\- sign 2344.067+/-0.282 χ^2/NDF: 1239831.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

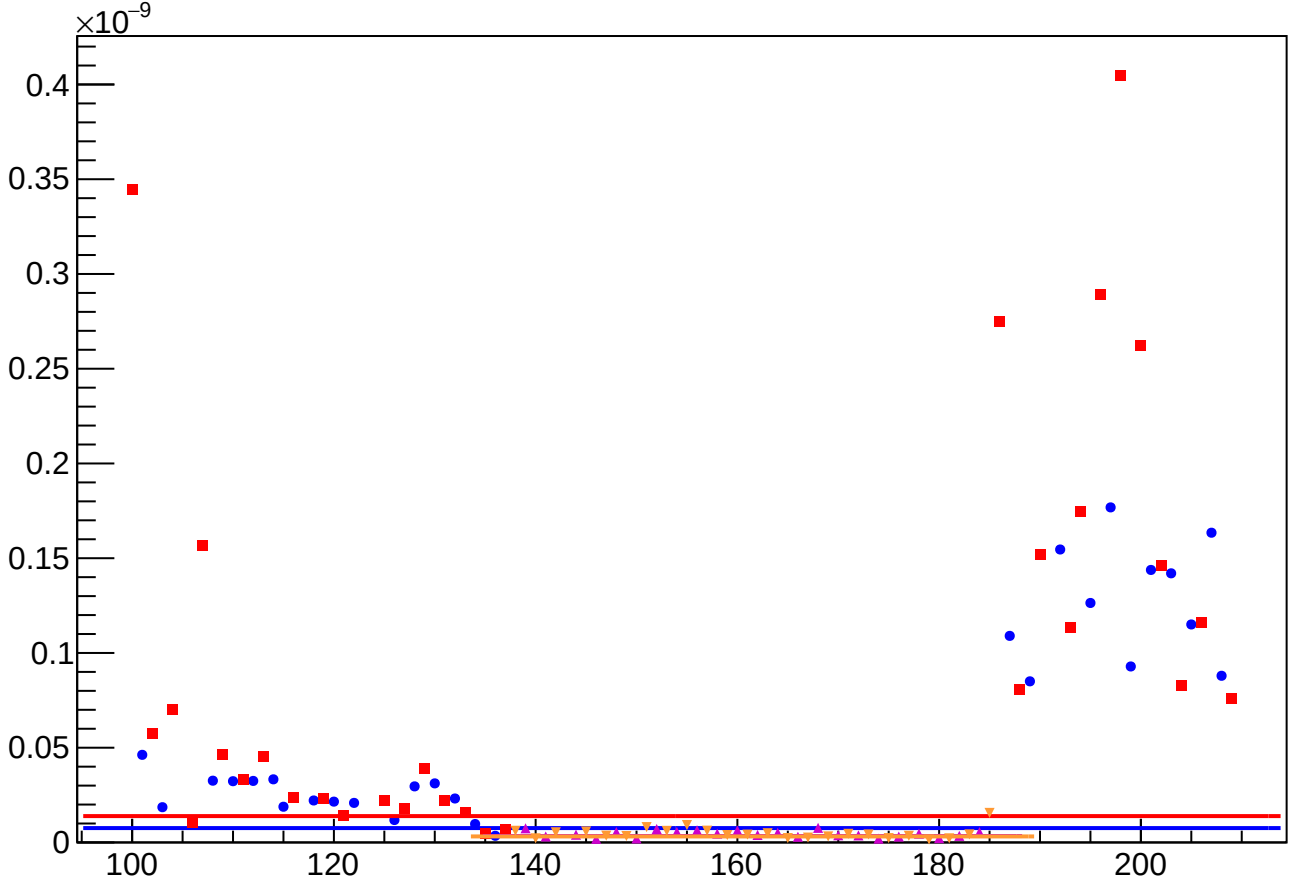
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/29

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/50

All: 0.000+/-0.000 χ^2/NDF: 88.8/103

- sign 0.000+/-0.000 χ^2/NDF: 44.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 8764282.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

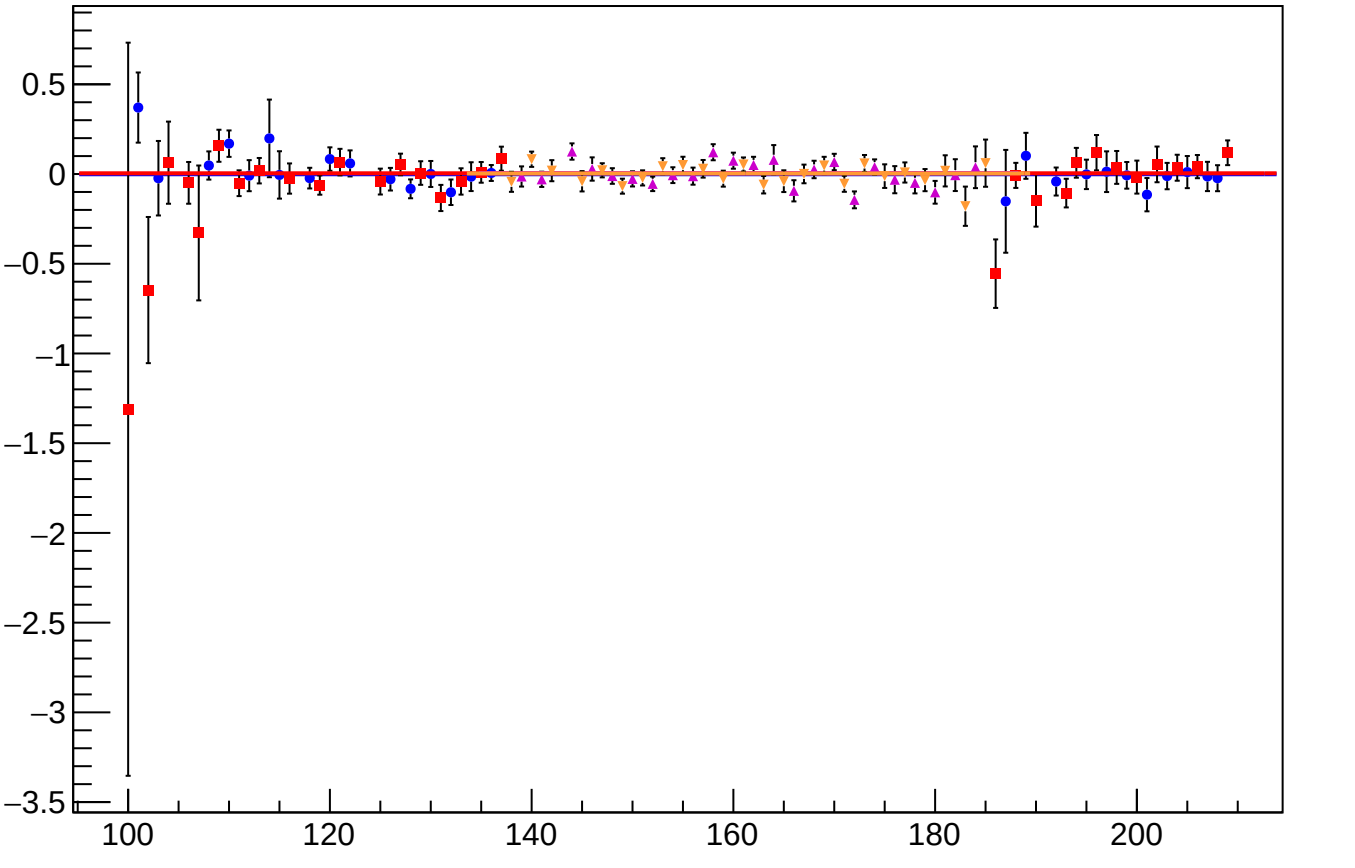
Right Out: 0.000+/-0.000 χ^2/NDF: 9850747.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11764982.7/50

All: 0.000+/-0.000 χ^2/NDF: 25665888.3/103

- sign 0.000+/-0.000 χ^2/NDF: 13870282.8/52



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

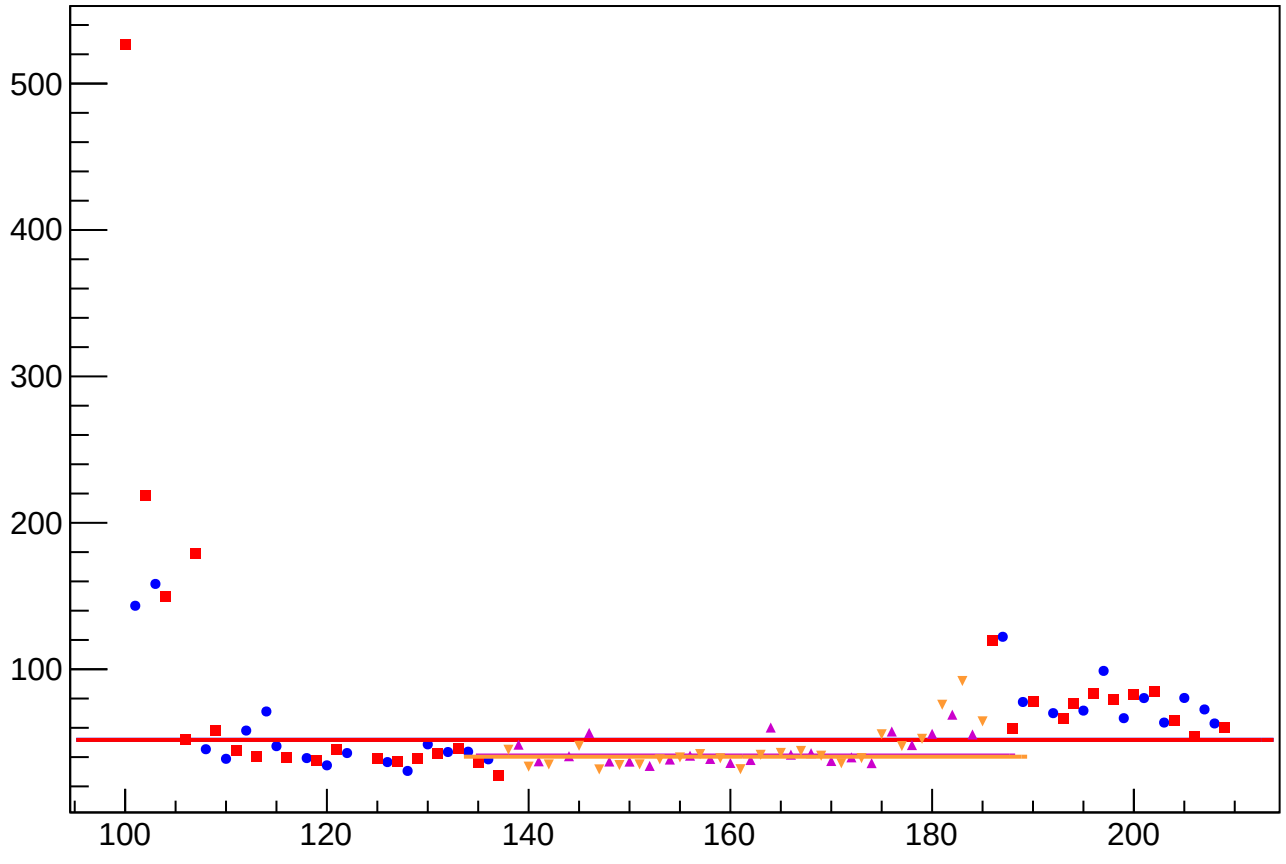
Right Out: 0.004+/-0.015 χ^2/NDF: 33.6/29

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.2/50

All: 0.003+/-0.006 χ^2/NDF: 117.3/103

- sign 0.005+/-0.009 χ^2/NDF: 75.0/52



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

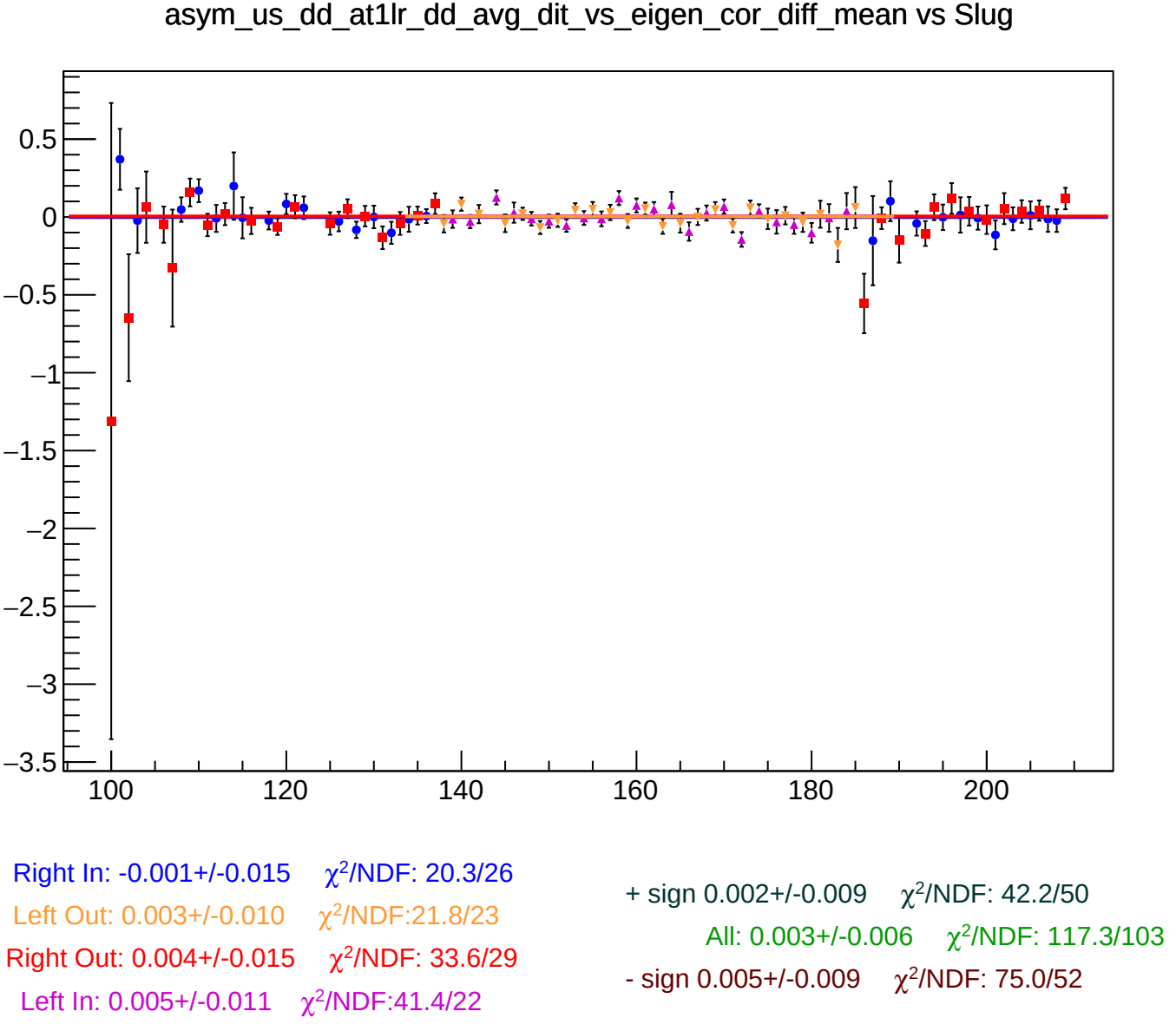
Right Out: 51.726+/-0.010 χ^2/NDF: 3556332.1/29

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.994+/-0.006 χ^2/NDF: 5773868.4/50

All: 44.330+/-0.004 χ^2/NDF: 10947870.8/103

- sign 44.670+/-0.006 χ^2/NDF: 5167788.8/52


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
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−1.5
−2
−2.5
−3
−3.5
100
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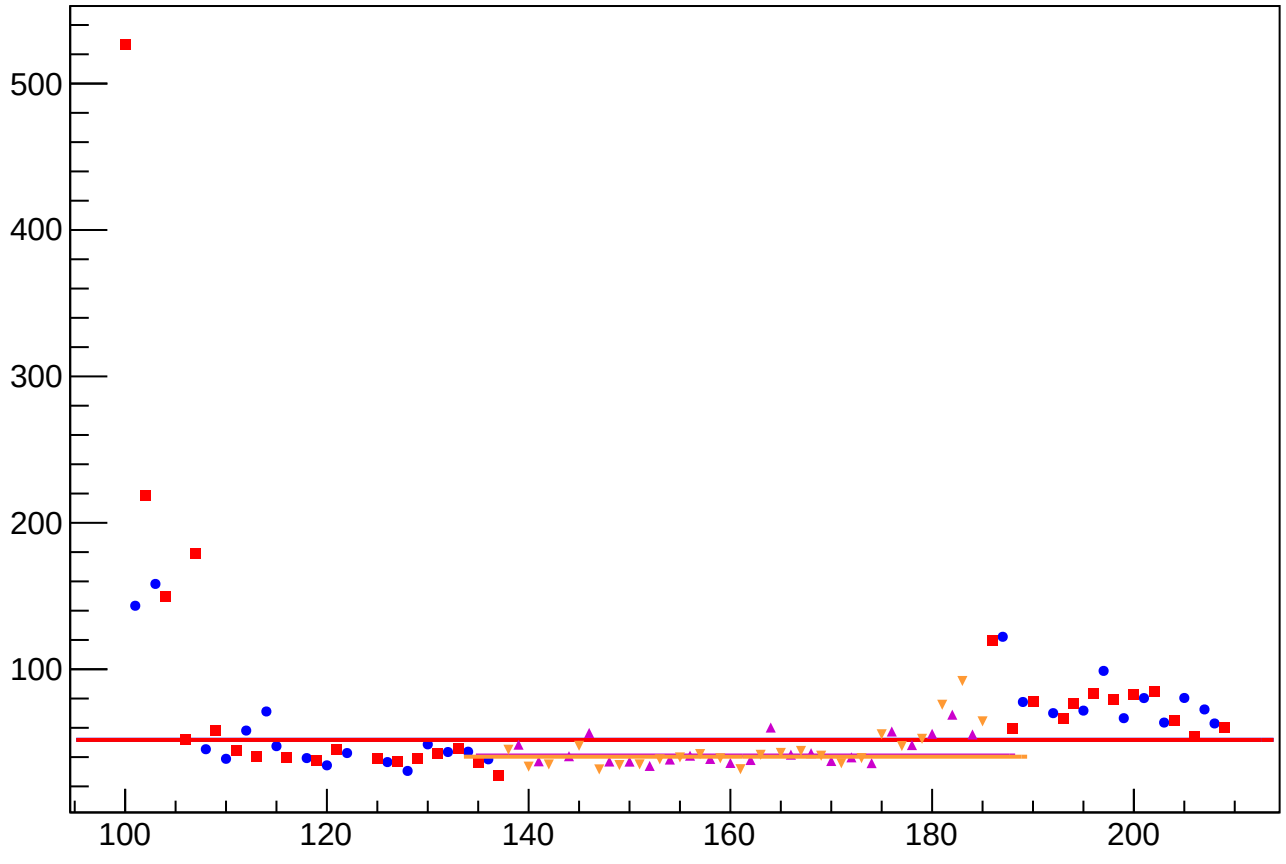
140
160
180
200
Right In: -0.001+/-0.015 χ²/NDF: 20.3/26
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.004+/-0.015 χ²/NDF: 33.6/29
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.002+/-0.009 χ²/NDF: 42.2/50
All: 0.003+/-0.006 χ²/NDF: 117.3/103
- sign 0.005+/-0.009 χ²/NDF: 75.0/52



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

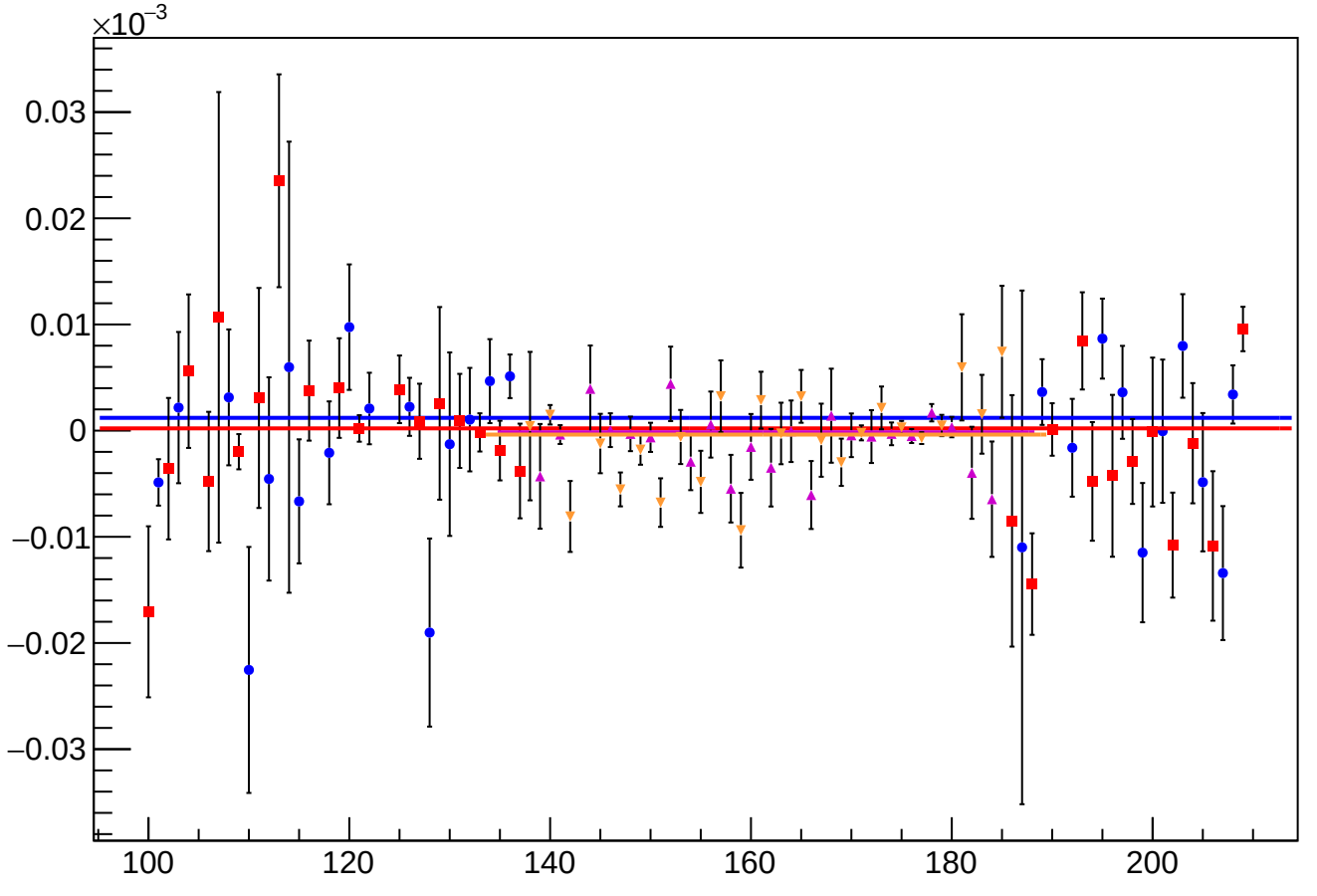
Right Out: 51.726+/-0.010 χ^2/NDF: 3556332.1/29

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.994+/-0.006 χ^2/NDF: 5773868.4/50

All: 44.330+/-0.004 χ^2/NDF: 10947870.8/103

- sign 44.670+/-0.006 χ^2/NDF: 5167788.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 44.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

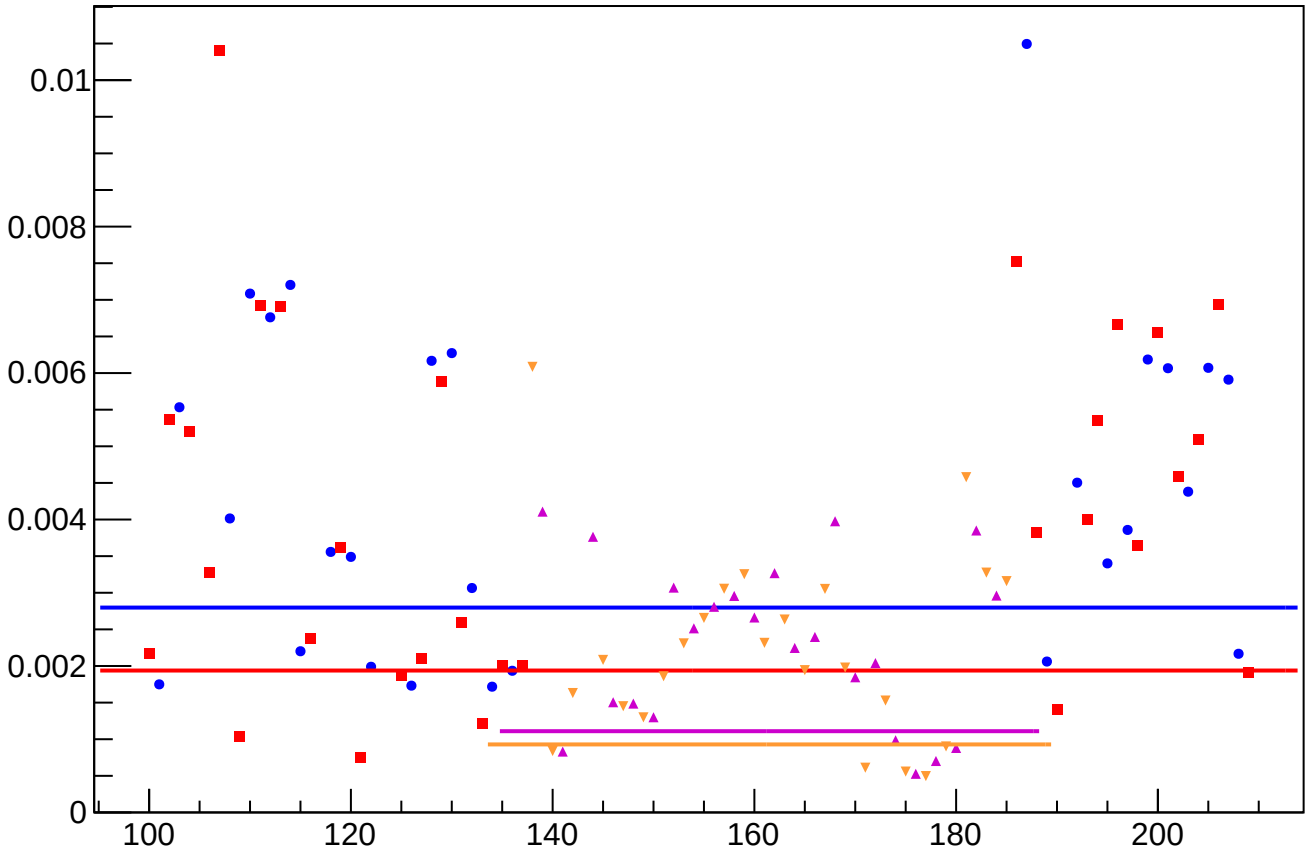
Right Out: 0.000+/-0.000 χ^2/NDF: 60.1/29

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.3/50

All: -0.000+/-0.000 χ^2/NDF: 179.7/103

- sign -0.000+/-0.000 χ^2/NDF: 80.3/52



Right In: 0.003+/-0.000 χ^2/NDF: 6239011.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

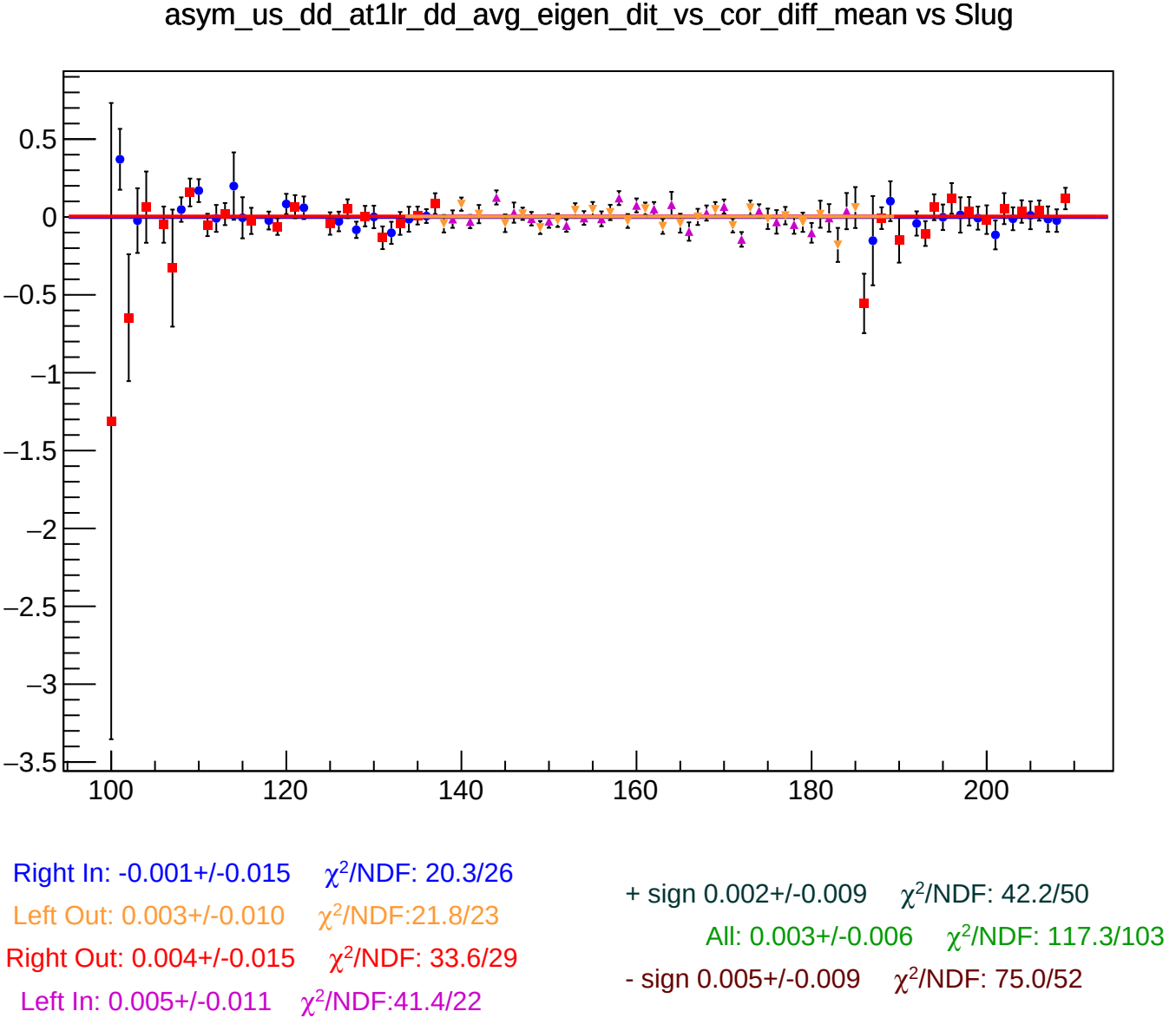
Right Out: 0.002+/-0.000 χ^2/NDF: 11915189.6/29

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 28252012.5/50

All: 0.001+/-0.000 χ^2/NDF: 54294022.6/103

- sign 0.001+/-0.000 χ^2/NDF: 25697884.2/52


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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−1.5
−2
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−3
−3.5
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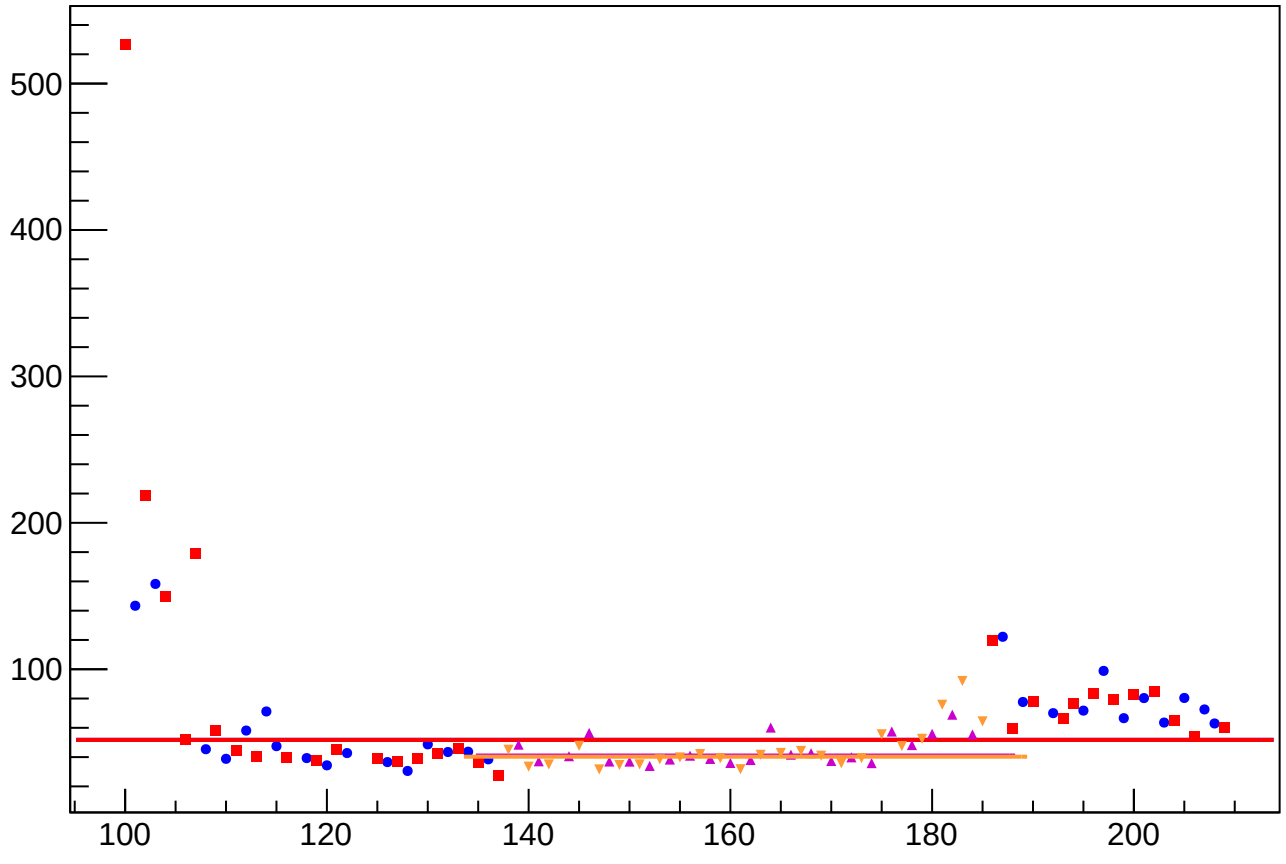
160
180
200
Right In: -0.001+/-0.015 χ²/NDF: 20.3/26
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.004+/-0.015 χ²/NDF: 33.6/29
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.002+/-0.009 χ²/NDF: 42.2/50
All: 0.003+/-0.006 χ²/NDF: 117.3/103
- sign 0.005+/-0.009 χ²/NDF: 75.0/52



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

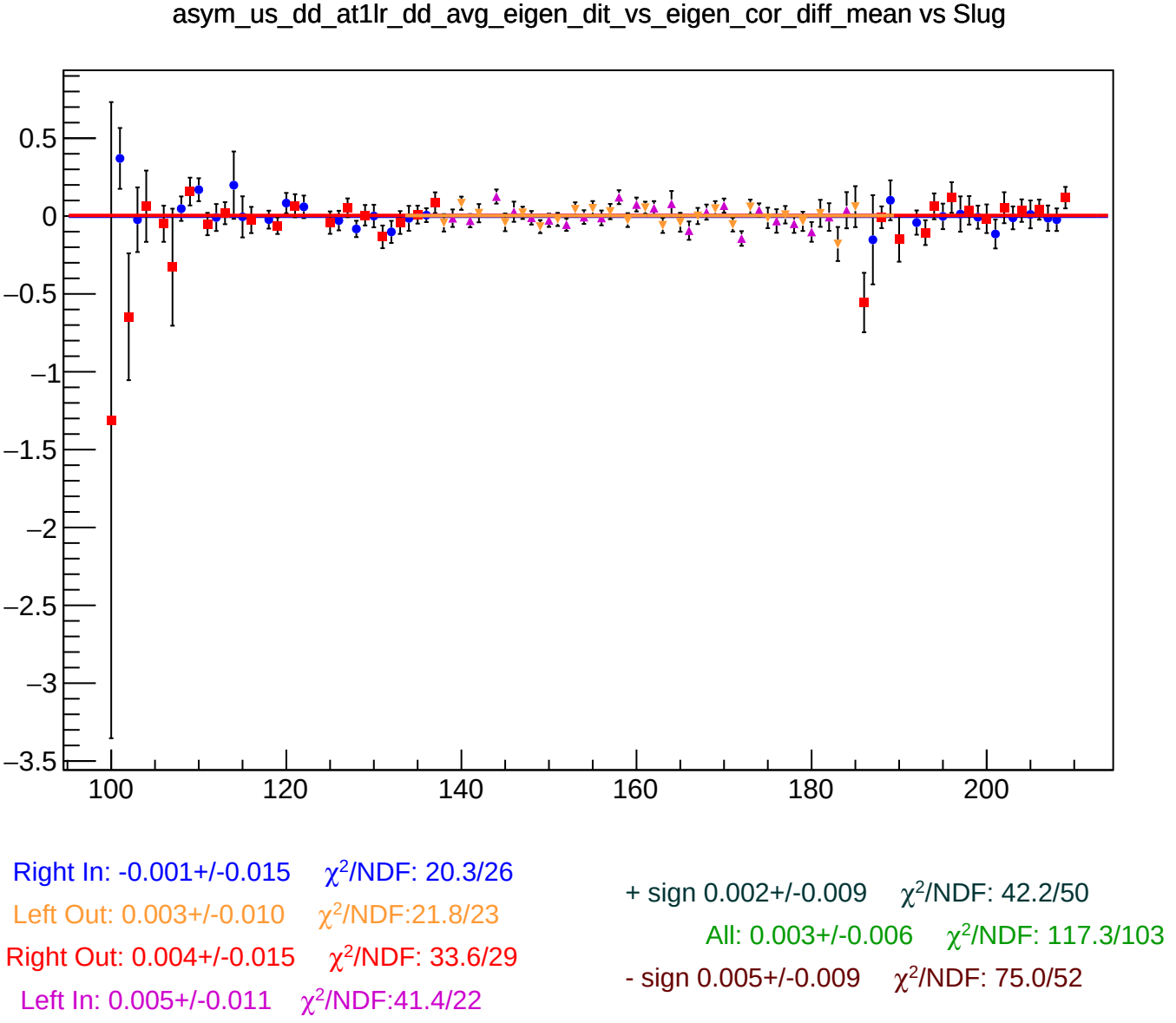
Right Out: 51.726+/-0.010 χ^2/NDF: 3556296.7/29

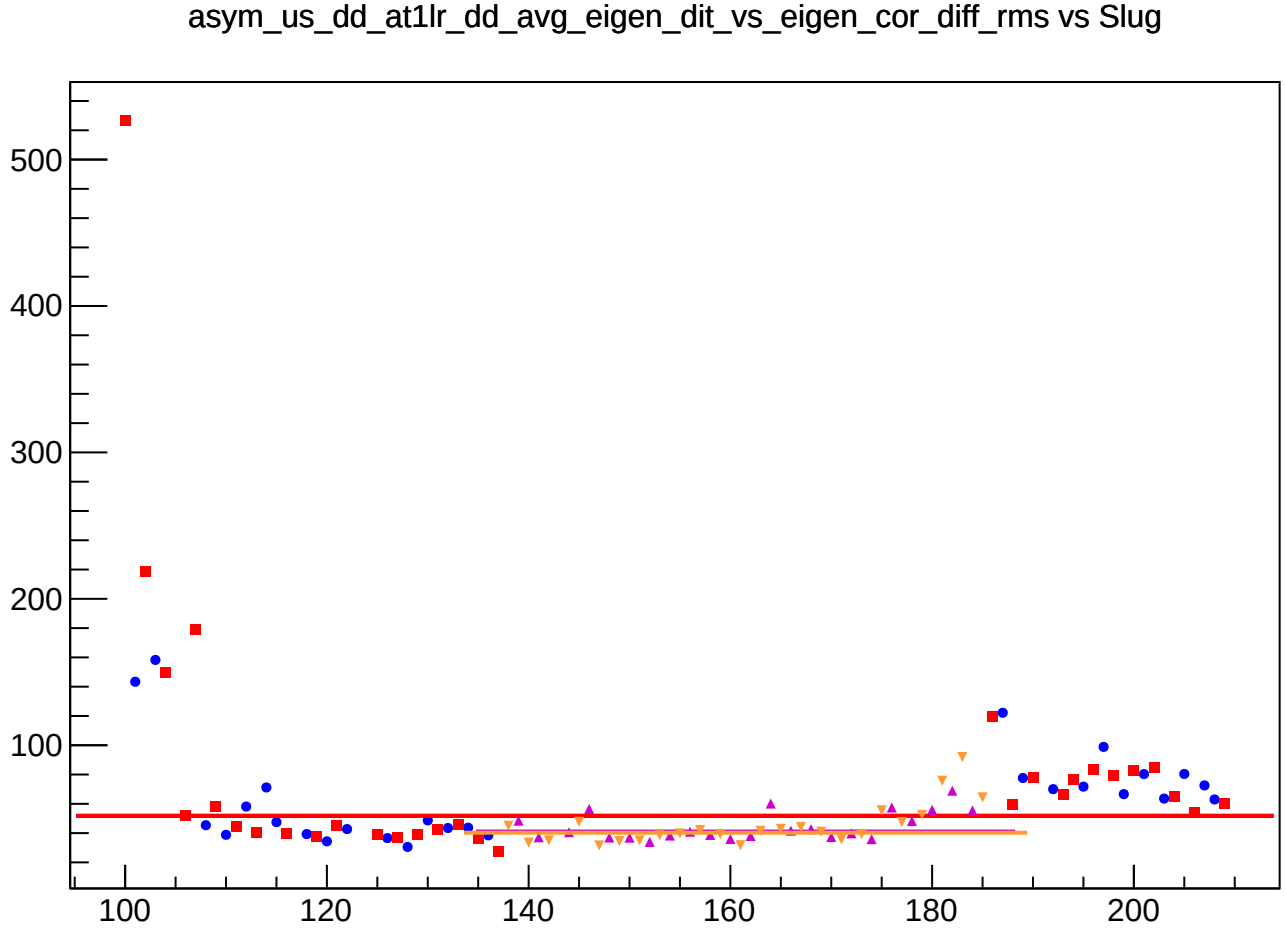
Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.994+/-0.006 χ^2/NDF: 5774165.8/50

All: 44.330+/-0.004 χ^2/NDF: 10948245.5/103

- sign 44.670+/-0.006 χ^2/NDF: 5167854.5/52


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
120
140
160
180
200
Right In: -0.001+/-0.015 χ²/NDF: 20.3/26
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.004+/-0.015 χ²/NDF: 33.6/29
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.002+/-0.009 χ²/NDF: 42.2/50
All: 0.003+/-0.006 χ²/NDF: 117.3/103
- sign 0.005+/-0.009 χ²/NDF: 75.0/52



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

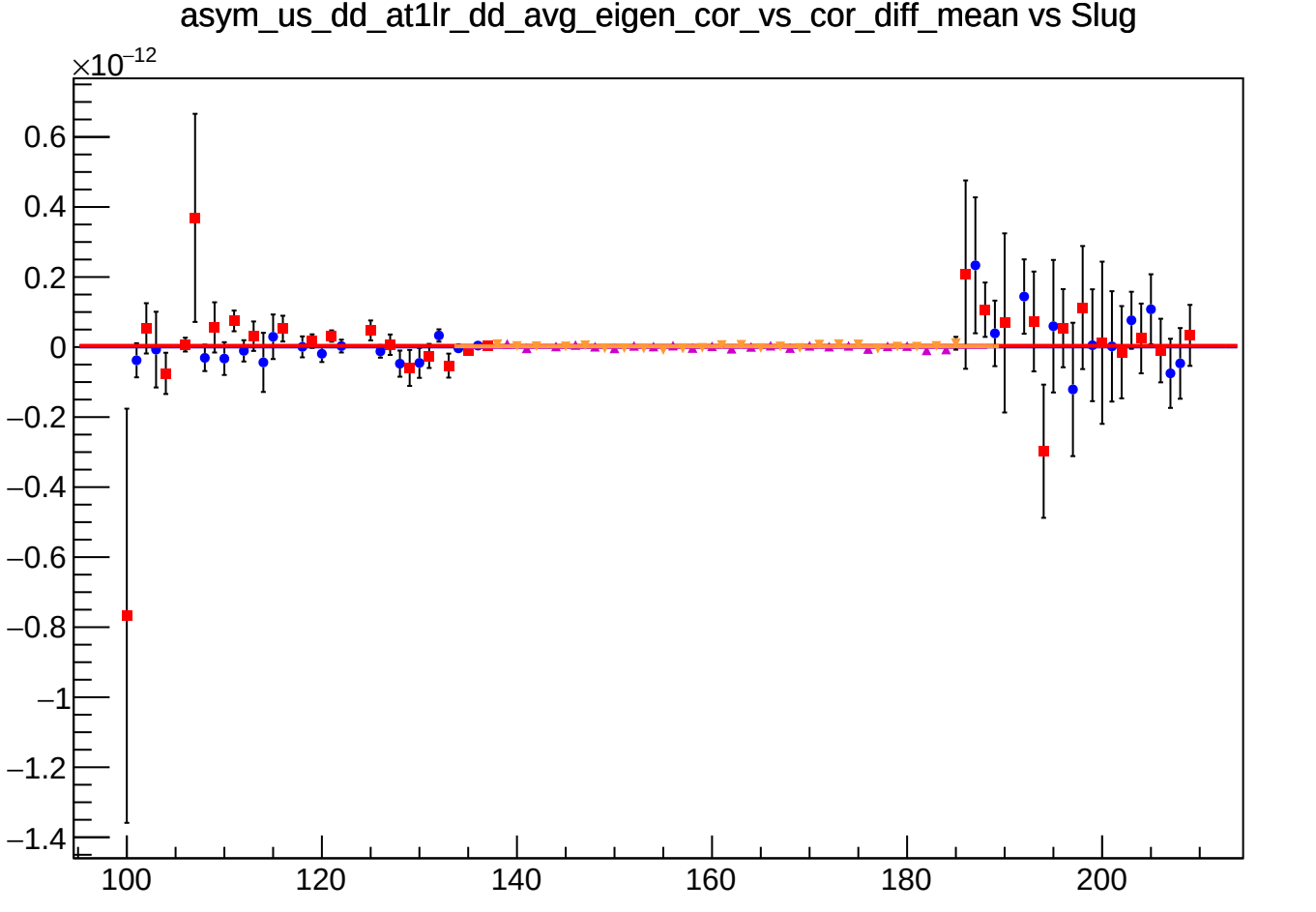
Right Out: 51.726+/-0.010 χ^2/NDF: 3556296.7/29

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.994+/-0.006 χ^2/NDF: 5774165.8/50

All: 44.330+/-0.004 χ^2/NDF: 10948245.5/103

- sign 44.670+/-0.006 χ^2/NDF: 5167854.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

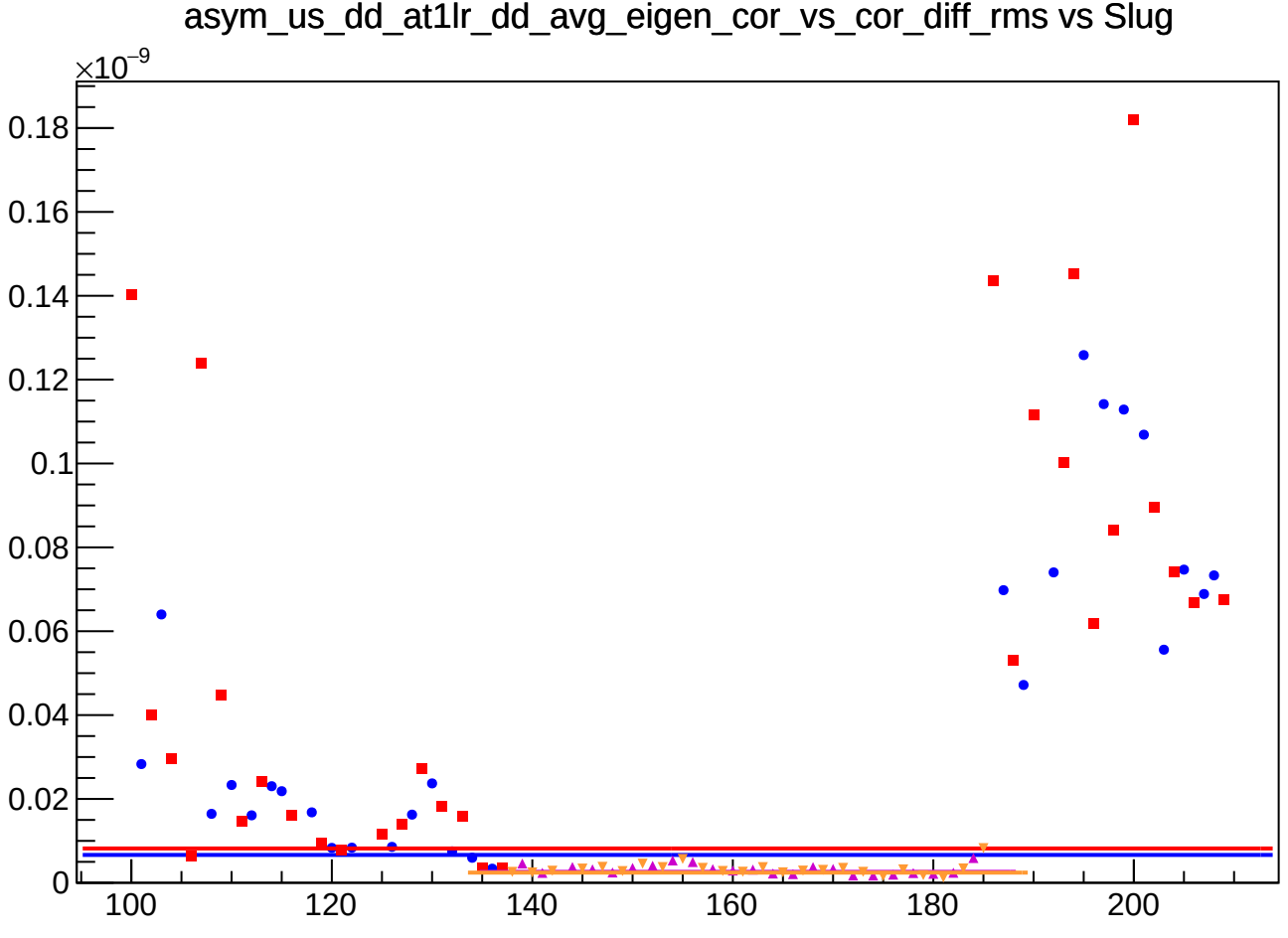
Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/29

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/50

All: 0.000+/-0.000 χ^2/NDF: 102.7/103

- sign 0.000+/-0.000 χ^2/NDF: 58.4/52


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
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100
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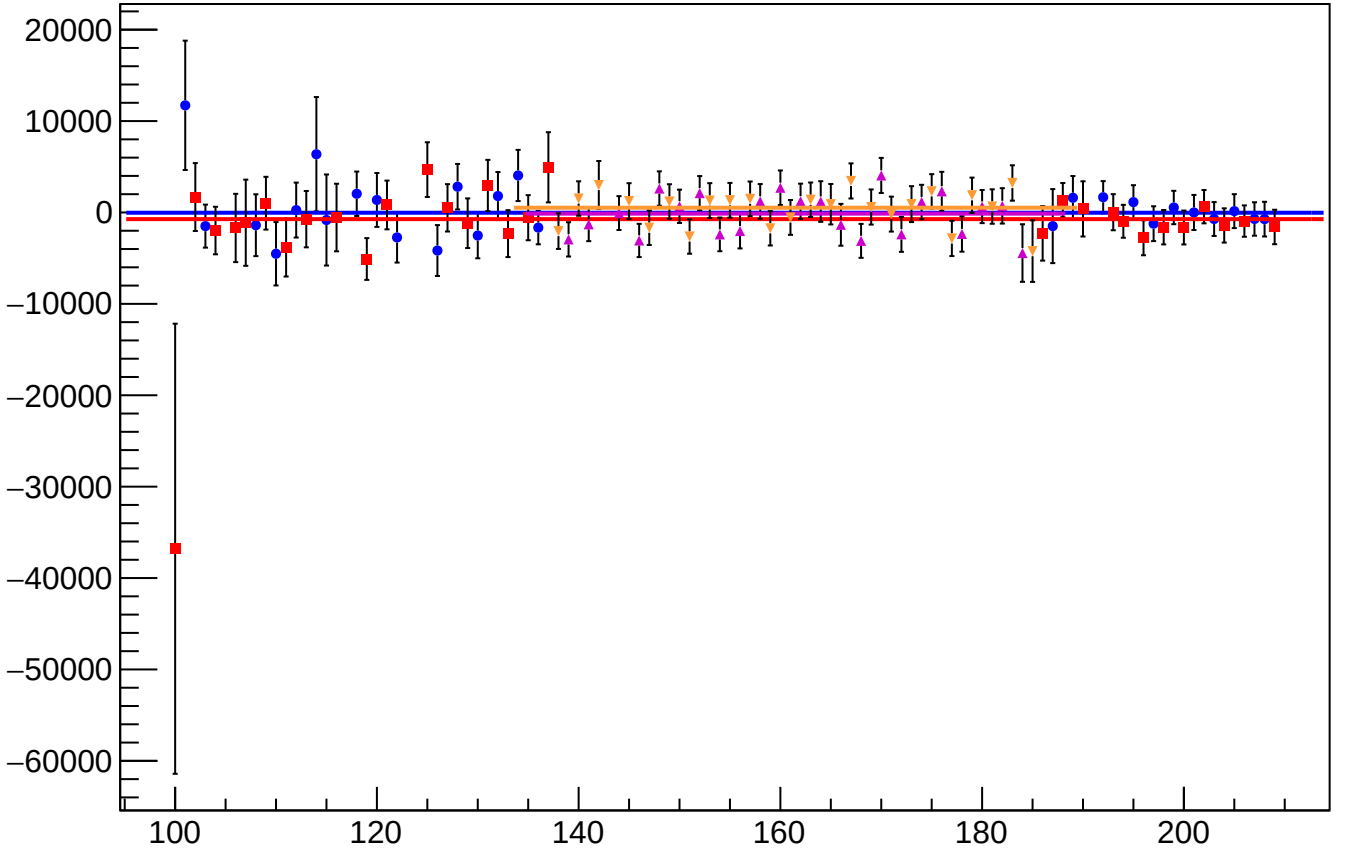
200
Right In: 0.000+/-0.000 χ²/NDF: 11216640.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 12674893.2/29
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 16255649.6/50
All: 0.000+/-0.000 χ²/NDF: 33657697.8/103
- sign 0.000+/-0.000 χ²/NDF: 17346303.5/52

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -28.960+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -729.295+/-442.741 χ^2/NDF: 20.3/29

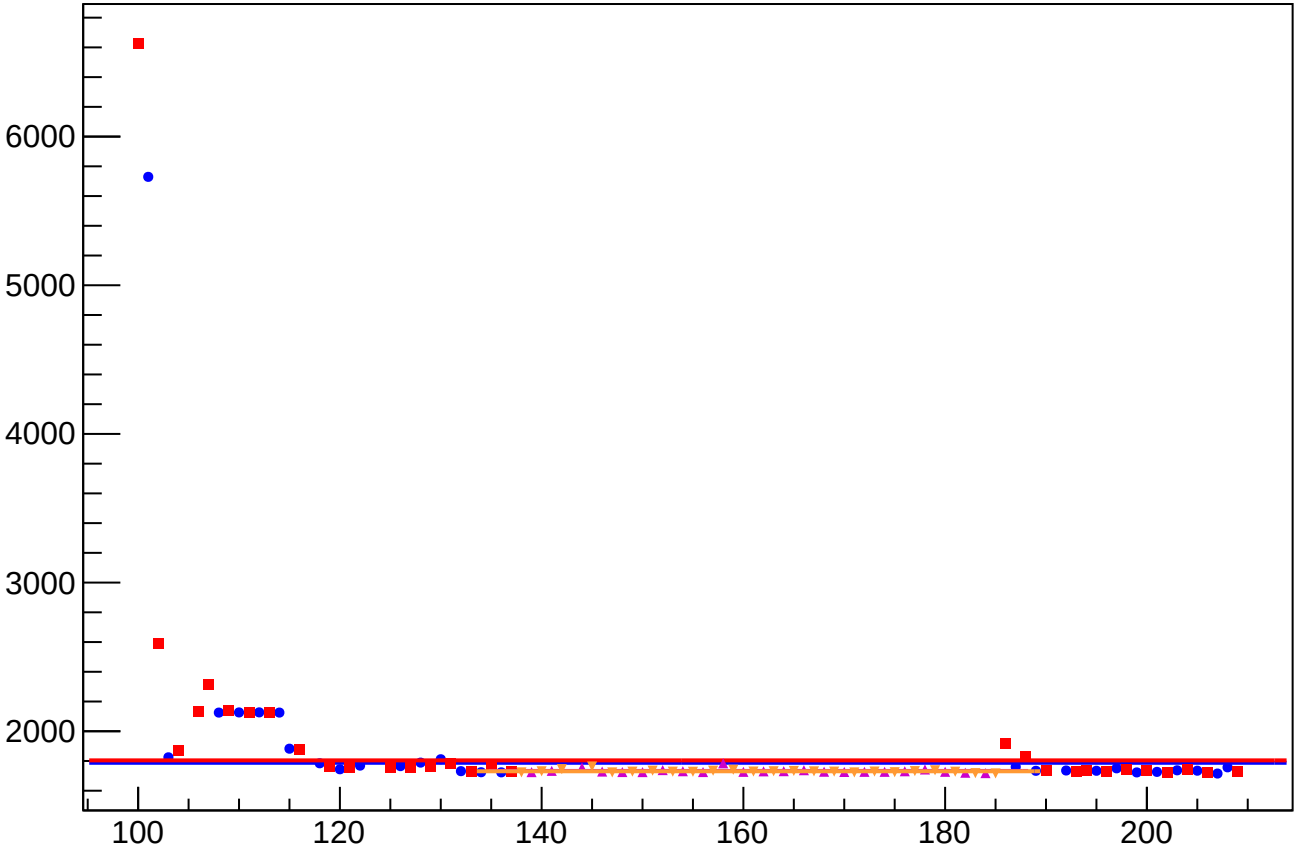
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 279.059+/-300.922 χ^2/NDF: 40.3/50

All: -63.301+/-211.988 χ^2/NDF: 93.7/103

- sign -400.585+/-298.683 χ^2/NDF: 50.8/52

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.1/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

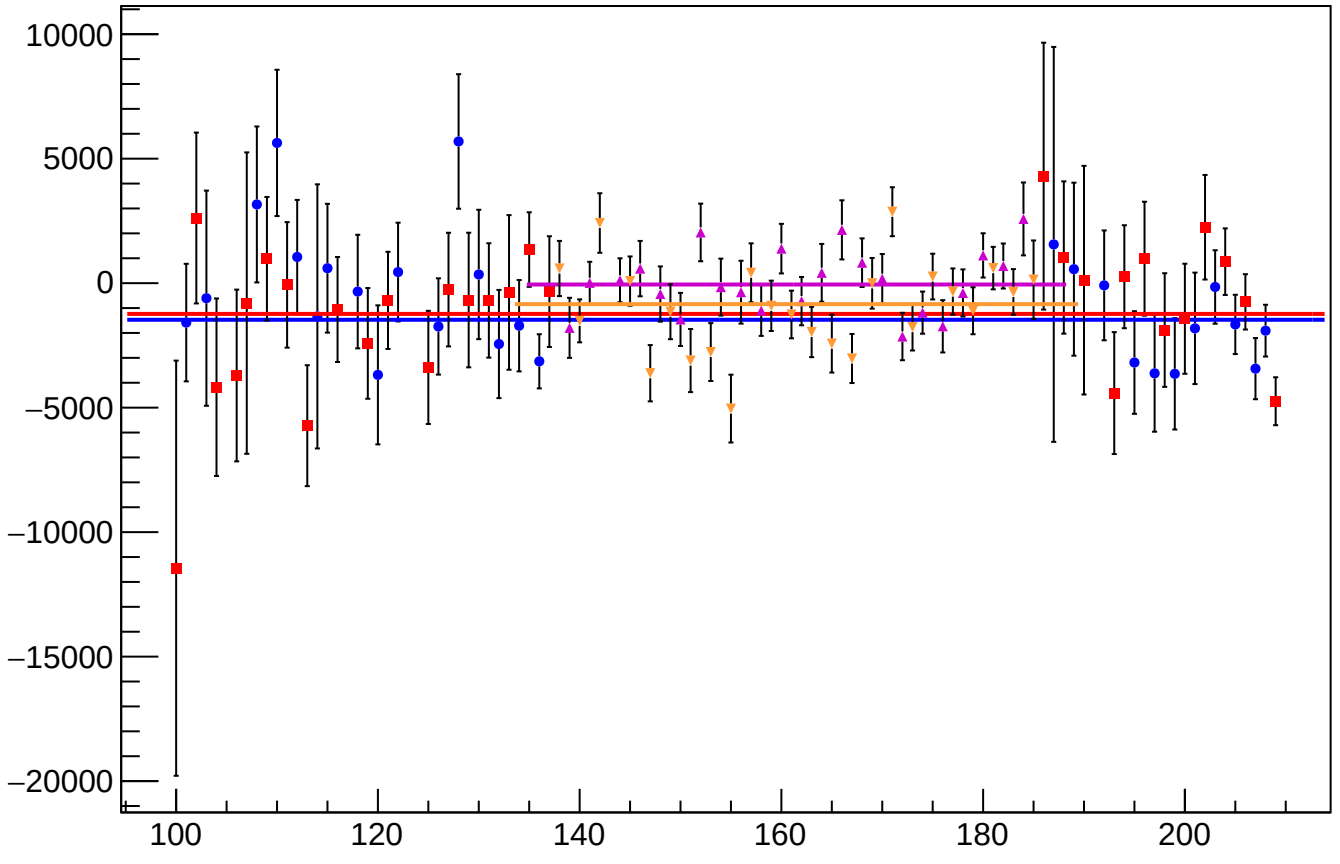
Right Out: 1804.091+/-0.313 χ^2/NDF: 314465.0/29

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF: 732796.7/50

All: 1760.663+/-0.150 χ^2/NDF: 1078586.5/10

- sign 1765.358+/-0.211 χ^2/NDF: 344793.9/52



Right In: -1470.600+/-373.179 χ^2/NDF: 28.8/26

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -1235.270+/-383.914 χ^2/NDF: 36.8/29

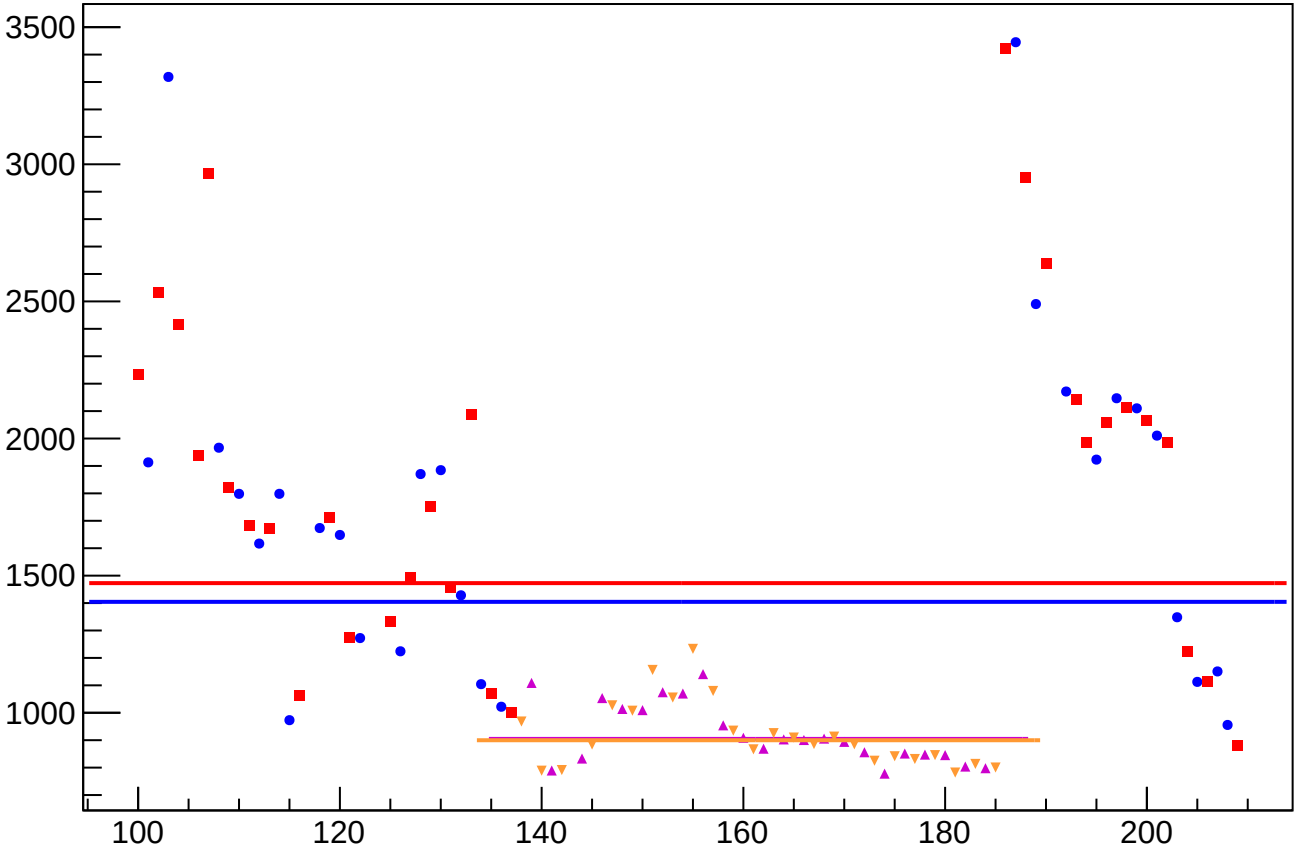
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -994.446+/-183.576 χ^2/NDF: 93.6/50

All: -667.926+/-130.737 χ^2/NDF: 174.7/103

- sign -331.891+/-186.232 χ^2/NDF: 74.6/52

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1404.450+/-0.264 χ^2/NDF: 2991041.1/26

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1472.735+/-0.271 χ^2/NDF: 3749512.3/29

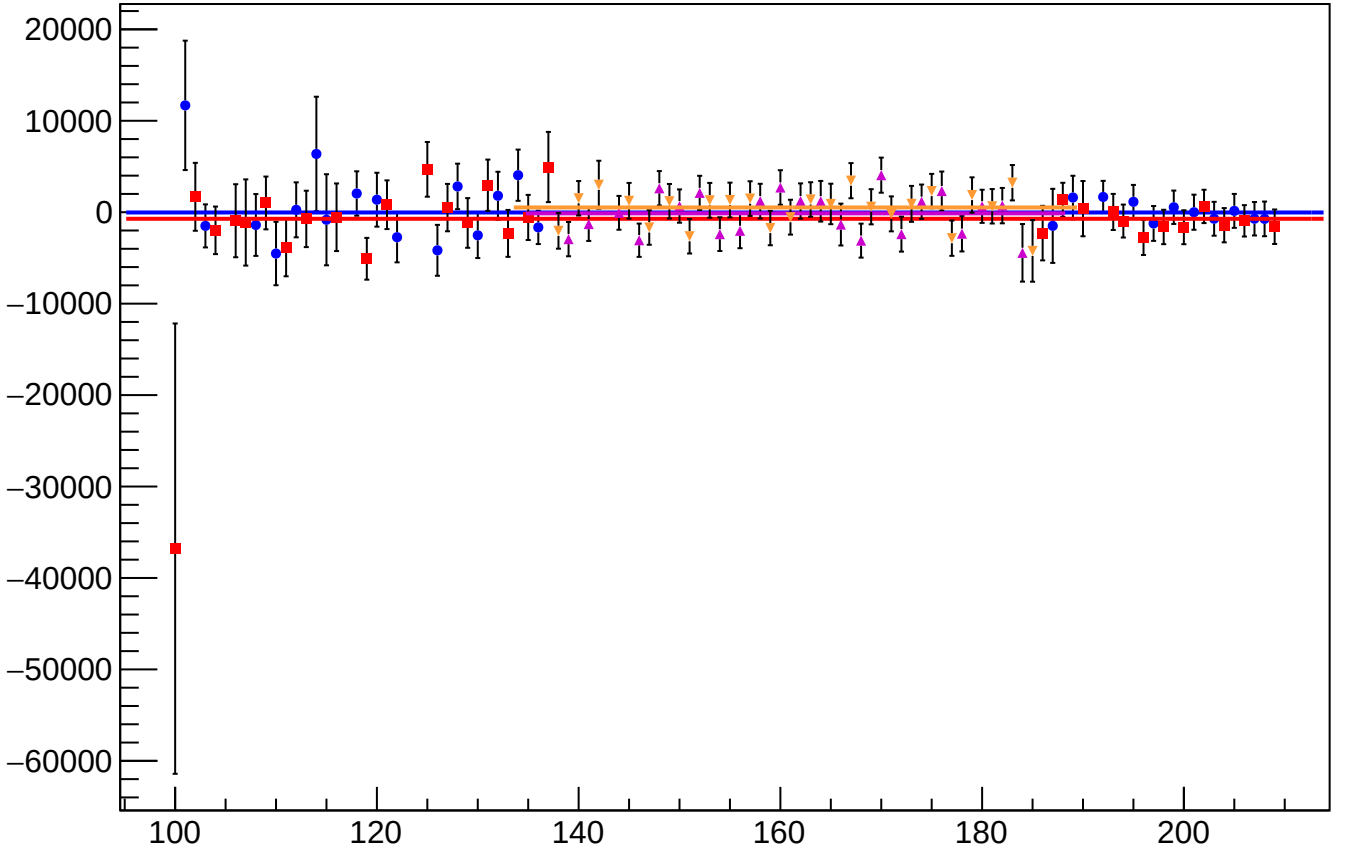
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1021.929+/-0.130 χ^2/NDF: 6258608.4/50

All: 1030.012+/-0.092 χ^2/NDF: 13816861.5/1

- sign 1038.330+/-0.132 χ^2/NDF: 7550385.2/52

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -718.346+/-443.131 χ^2/NDF: 20.3/29

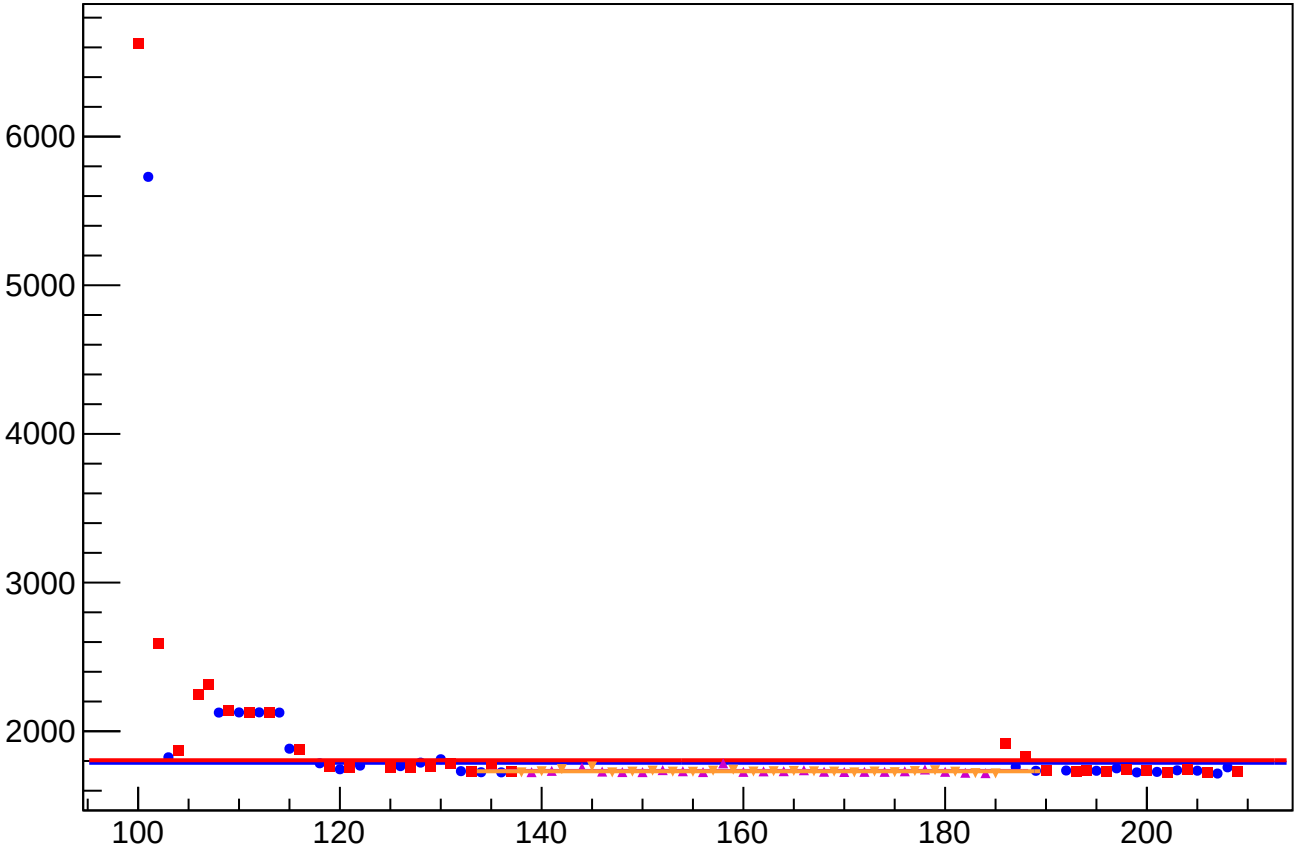
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 278.928+/-300.922 χ^2/NDF: 40.3/50

All: -60.607+/-212.031 χ^2/NDF: 93.5/103

- sign -395.377+/-298.803 χ^2/NDF: 50.7/52

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

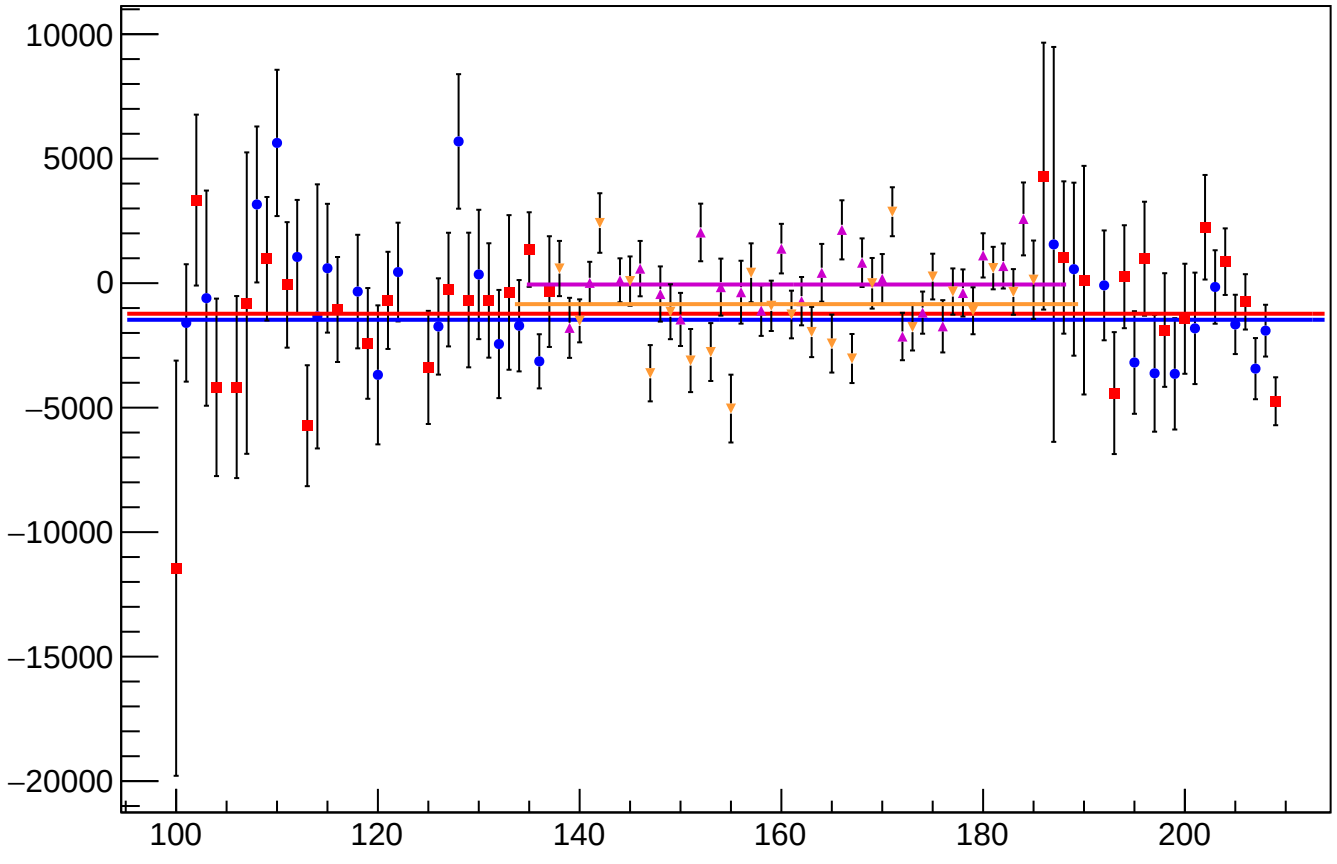
Right Out: 1804.948+/-0.313 χ^2/NDF: 323835.4/29

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF: 732796.6/50

All: 1760.842+/-0.150 χ^2/NDF: 1088687.4/10

- sign 1765.717+/-0.211 χ^2/NDF: 354818.3/52



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -1228.117+/-384.173 χ^2/NDF: 37.4/29

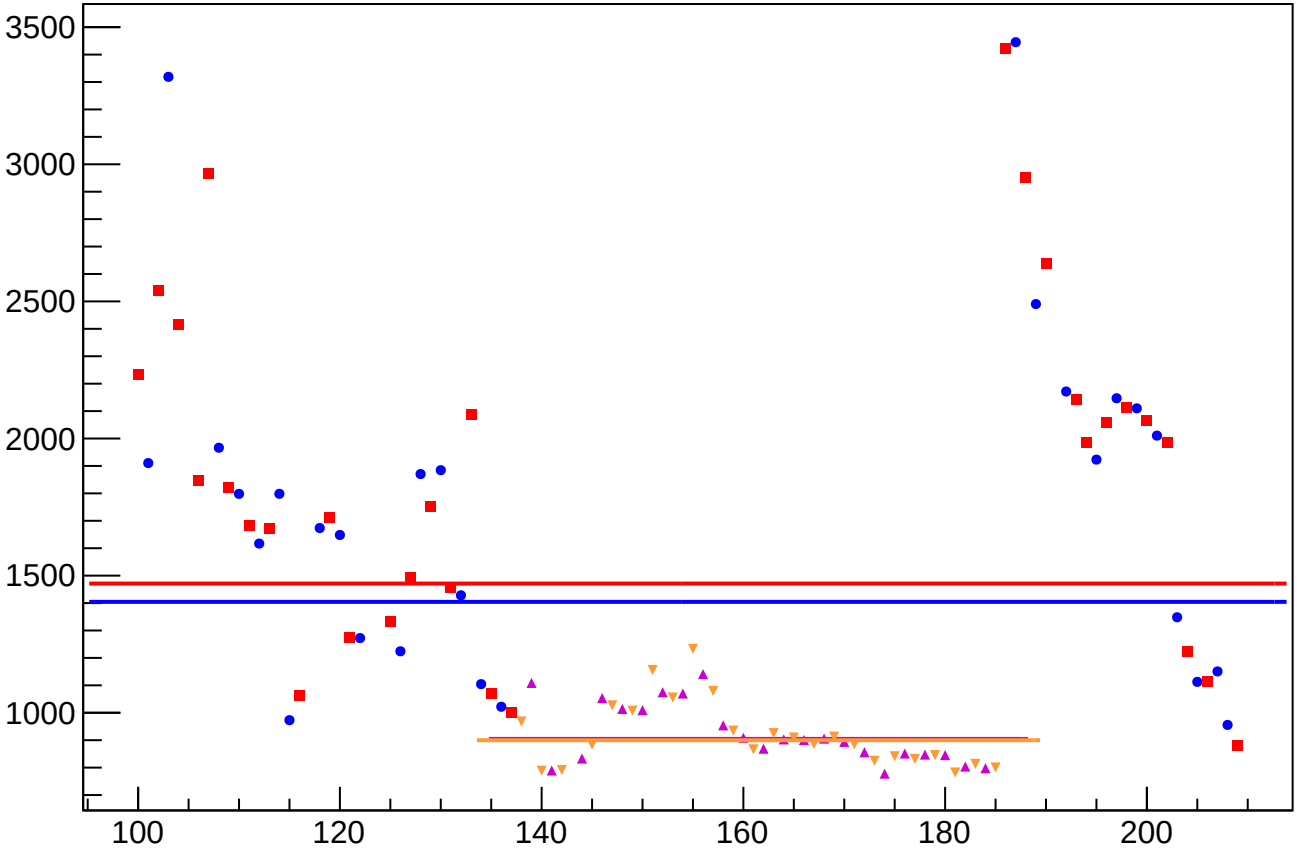
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -994.564+/-183.575 χ^2/NDF: 93.6/50

All: -667.078+/-130.746 χ^2/NDF: 175.3/103

- sign -329.938+/-186.261 χ^2/NDF: 75.2/52

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1471.114+/-0.272 χ^2/NDF: 3735778.0/29

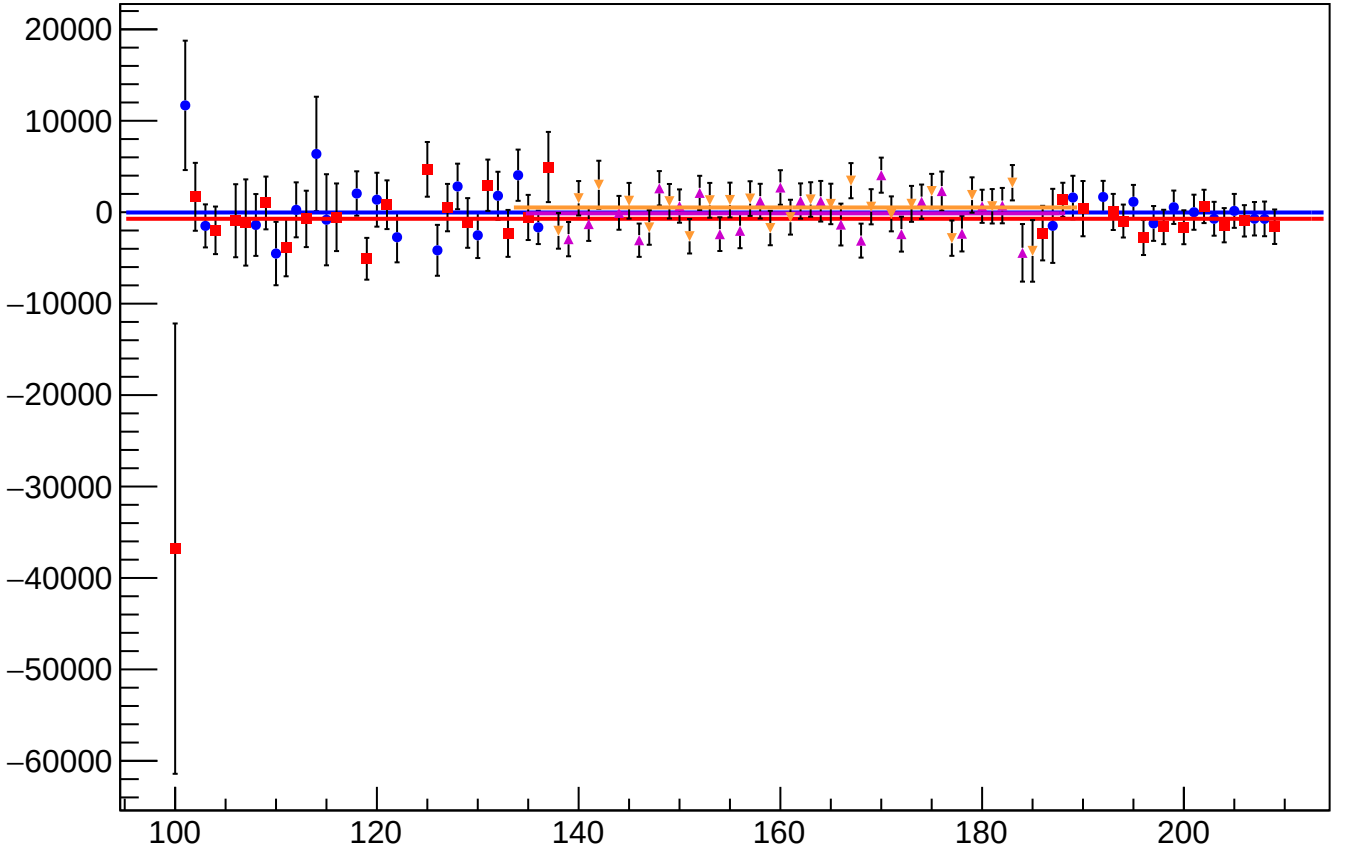
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.929+/-0.130 χ^2/NDF: 6257659.9/50

All: 1029.753+/-0.092 χ^2/NDF: 13779204.5/1

- sign 1037.808+/-0.132 χ^2/NDF: 7514171.6/52

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -718.346+/-443.131 χ^2/NDF: 20.3/29

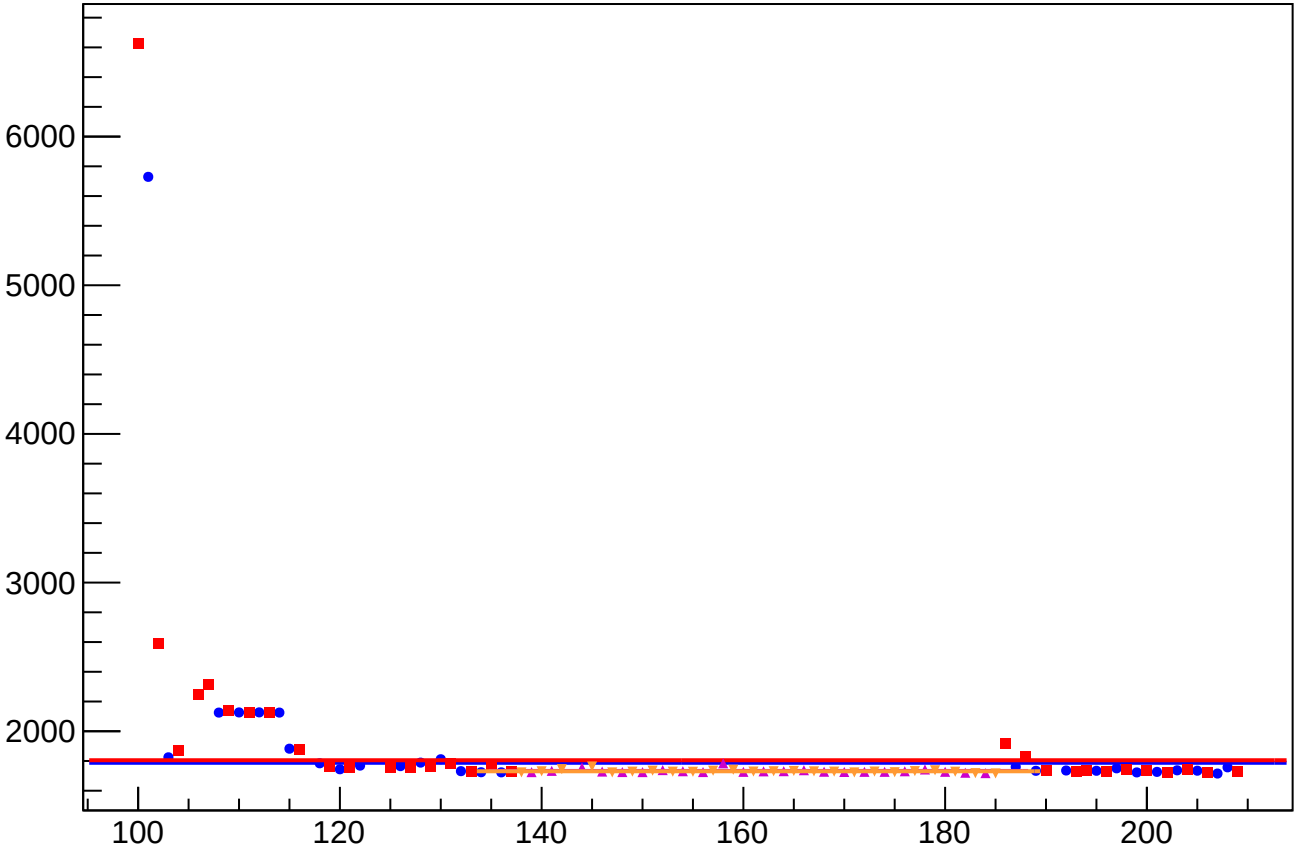
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 278.928+/-300.922 χ^2/NDF: 40.3/50

All: -60.607+/-212.031 χ^2/NDF: 93.5/103

- sign -395.377+/-298.803 χ^2/NDF: 50.7/52

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

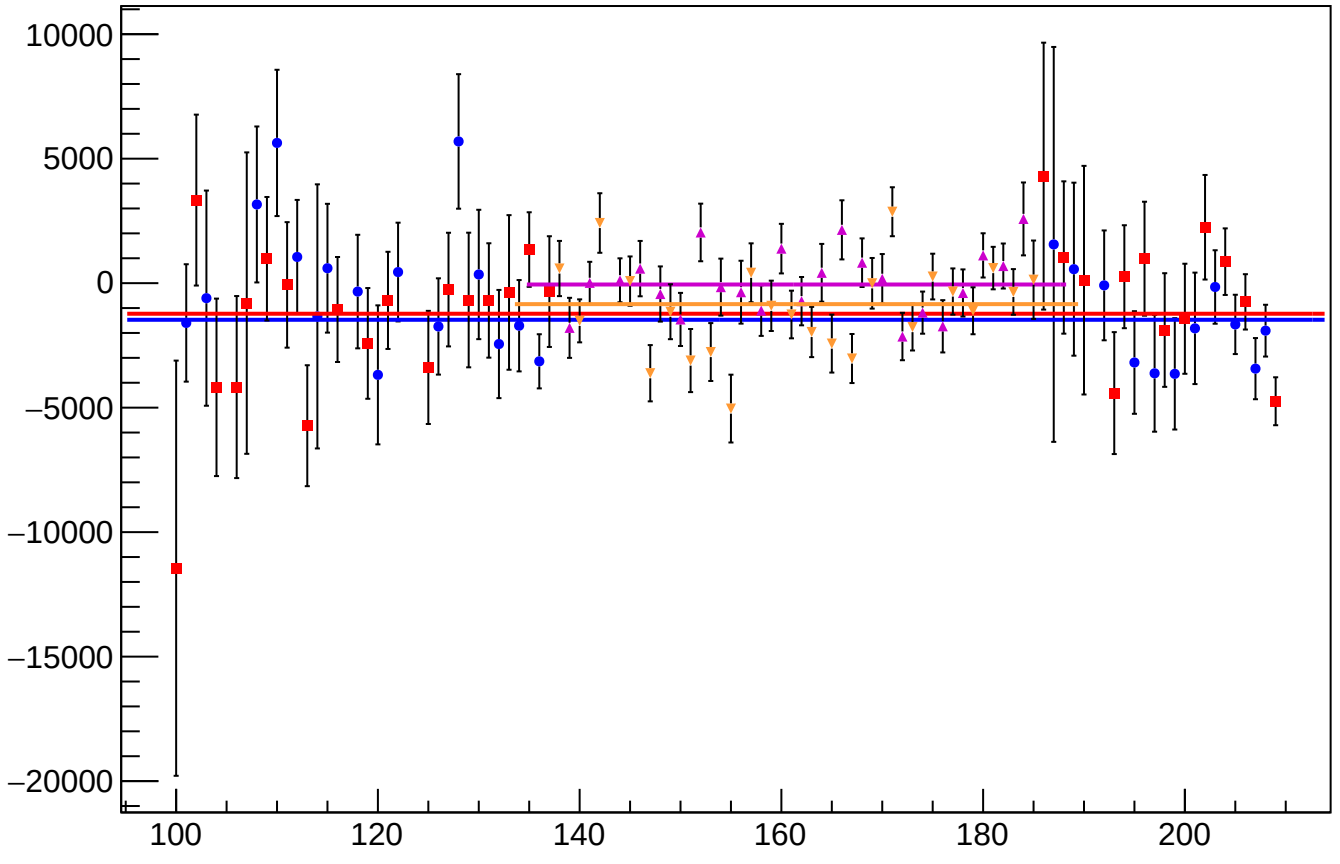
Right Out: 1804.948+/-0.313 χ^2/NDF: 323835.4/29

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1755.897+/-0.213 χ^2/NDF: 732796.6/50

All: 1760.842+/-0.150 χ^2/NDF: 1088687.4/10

- sign 1765.717+/-0.211 χ^2/NDF: 354818.3/52



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

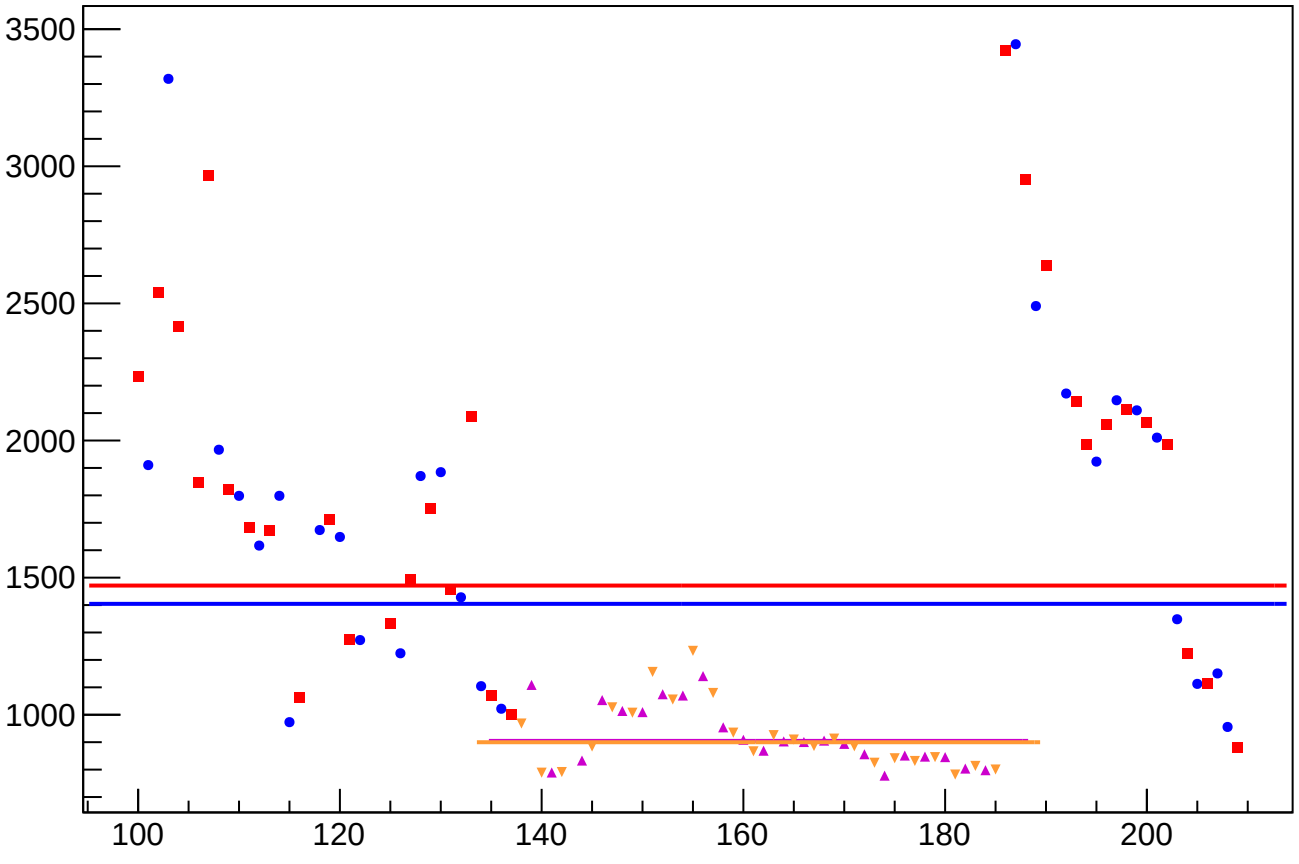
Right Out: -1228.117+/-384.173 χ^2/NDF: 37.4/29

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -994.564+/-183.575 χ^2/NDF: 93.6/50

All: -667.078+/-130.746 χ^2/NDF: 175.3/103

- sign -329.938+/-186.261 χ^2/NDF: 75.2/52



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1471.114+/-0.272 χ^2/NDF: 3735778.0/29

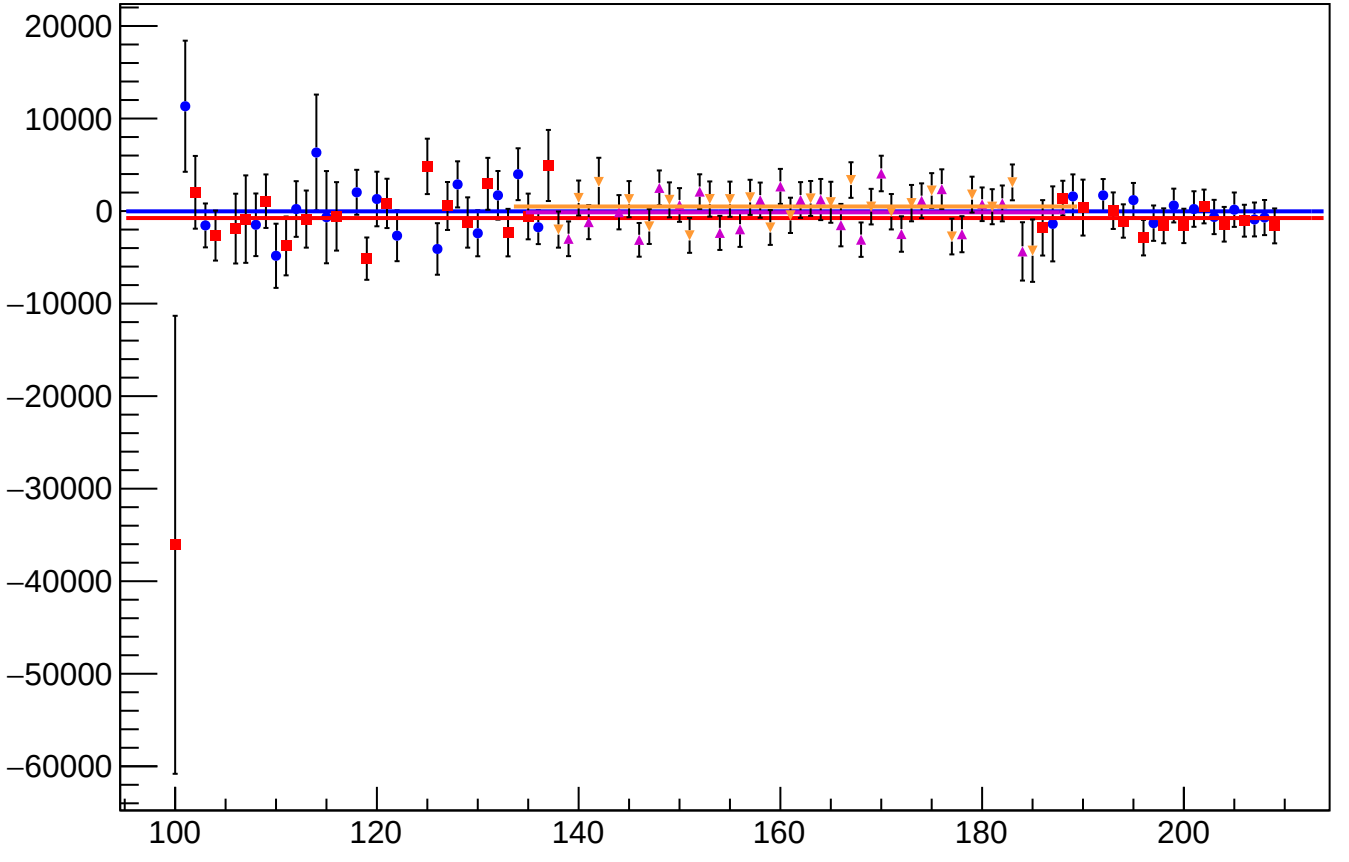
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.929+/-0.130 χ^2/NDF: 6257659.9/50

All: 1029.753+/-0.092 χ^2/NDF: 13779204.5/1

- sign 1037.808+/-0.132 χ^2/NDF: 7514171.6/52

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.130+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -755.217+/-444.084 χ^2/NDF: 20.8/29

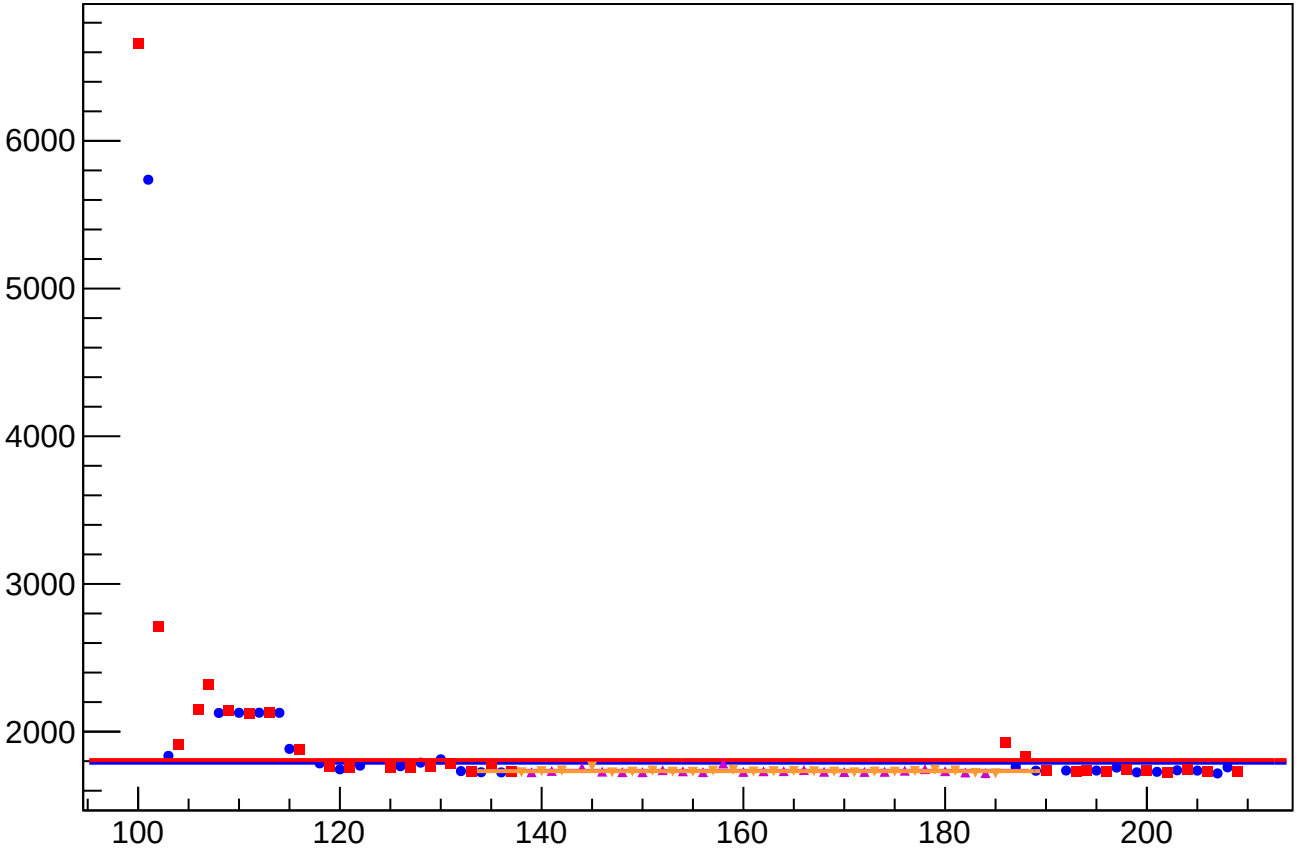
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 264.984+/-301.219 χ^2/NDF: 39.6/50

All: -78.654+/-212.291 χ^2/NDF: 93.5/103

- sign -417.796+/-299.241 χ^2/NDF: 51.4/52

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.5/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

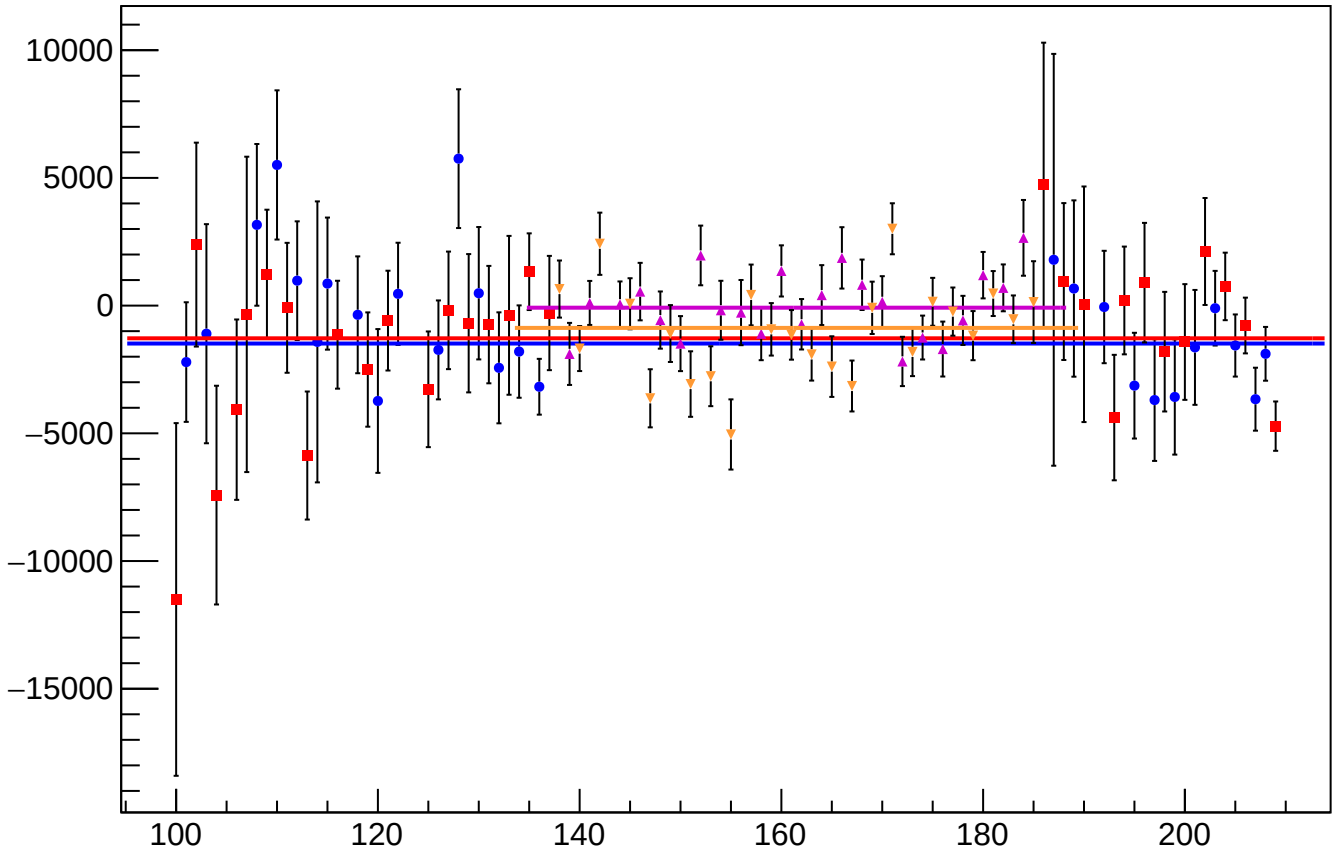
Right Out: 1807.306+/-0.314 χ^2/NDF: 334485.2/29

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1757.552+/-0.213 χ^2/NDF: 733221.0/50

All: 1762.607+/-0.150 χ^2/NDF: 1100333.8/10

- sign 1767.595+/-0.212 χ^2/NDF: 365993.7/52



Right In: -1484.685+/-375.037 χ^2/NDF: 29.6/26

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -1280.296+/-386.183 χ^2/NDF: 37.8/29

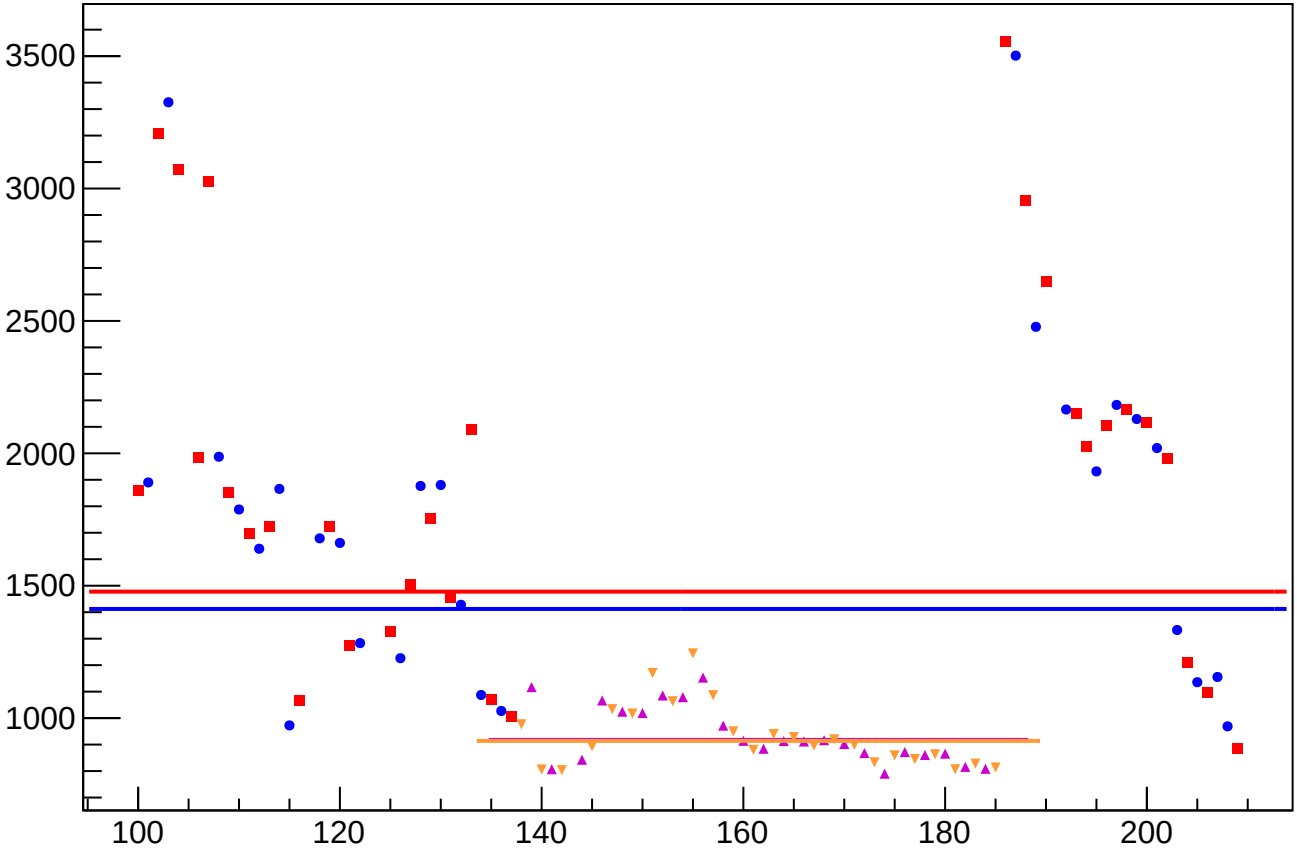
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -1023.122+/-185.875 χ^2/NDF: 93.6/50

All: -699.591+/-132.337 χ^2/NDF: 174.8/103

- sign -367.004+/-188.458 χ^2/NDF: 75.1/52

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1412.245+/-0.265 χ^2/NDF: 2971073.1/26

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1477.667+/-0.273 χ^2/NDF: 4199456.9/29

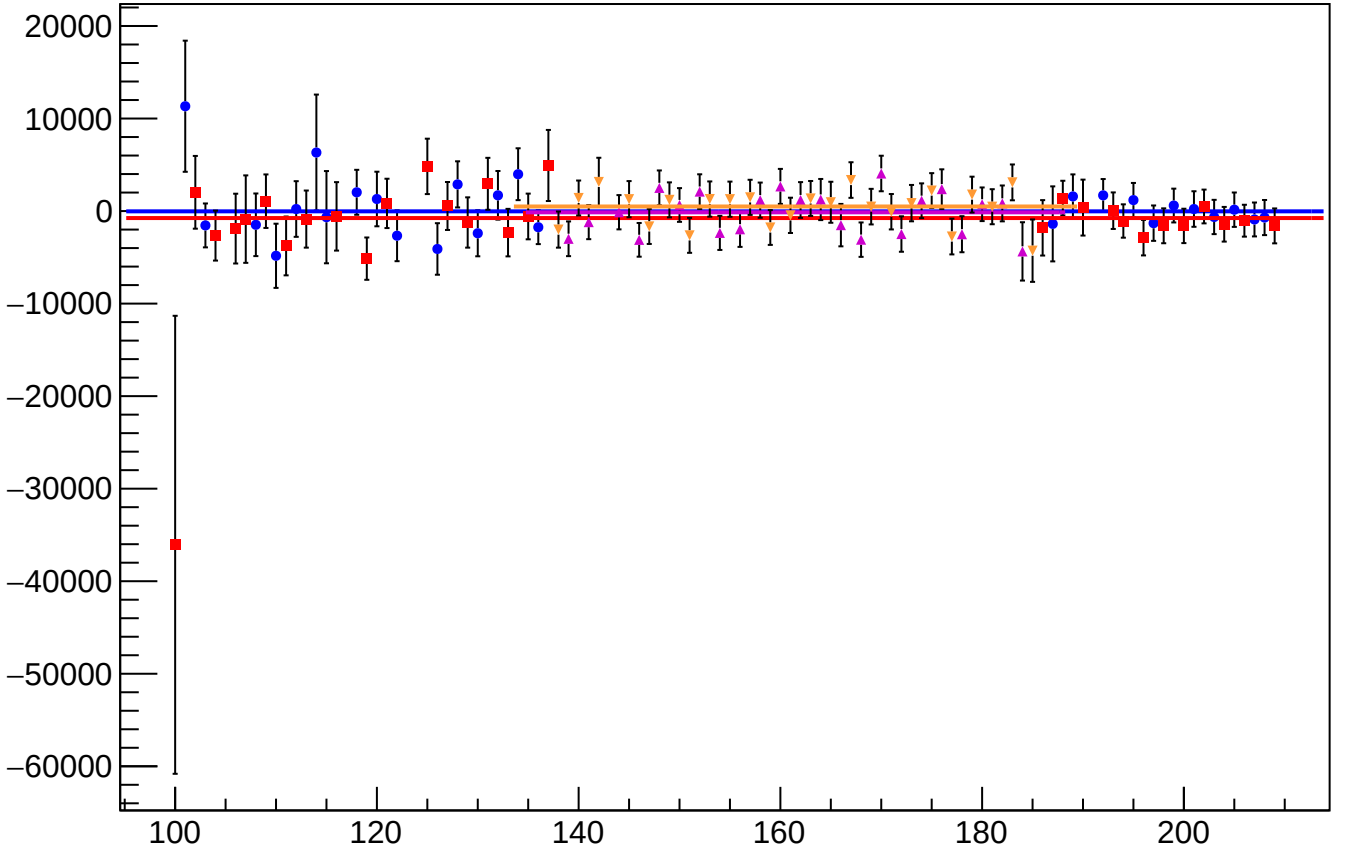
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1036.310+/-0.131 χ^2/NDF: 6097868.9/50

All: 1043.571+/-0.094 χ^2/NDF: 13937924.2/1

- sign 1051.034+/-0.133 χ^2/NDF: 7833866.9/52

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -29.129+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -755.217+/-444.084 χ^2/NDF: 20.8/29

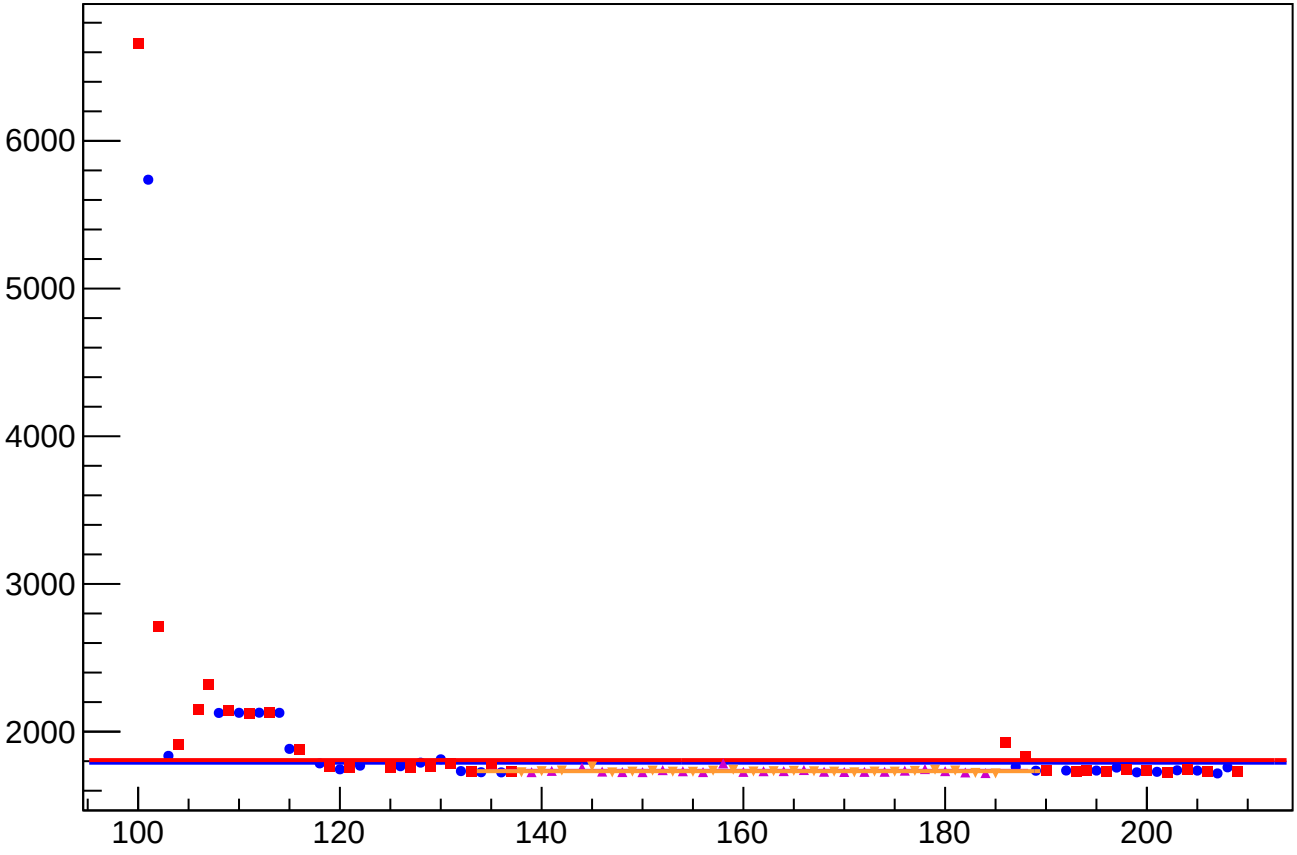
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 264.984+/-301.219 χ^2/NDF: 39.6/50

All: -78.654+/-212.291 χ^2/NDF: 93.5/103

- sign -417.796+/-299.241 χ^2/NDF: 51.4/52

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.4/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

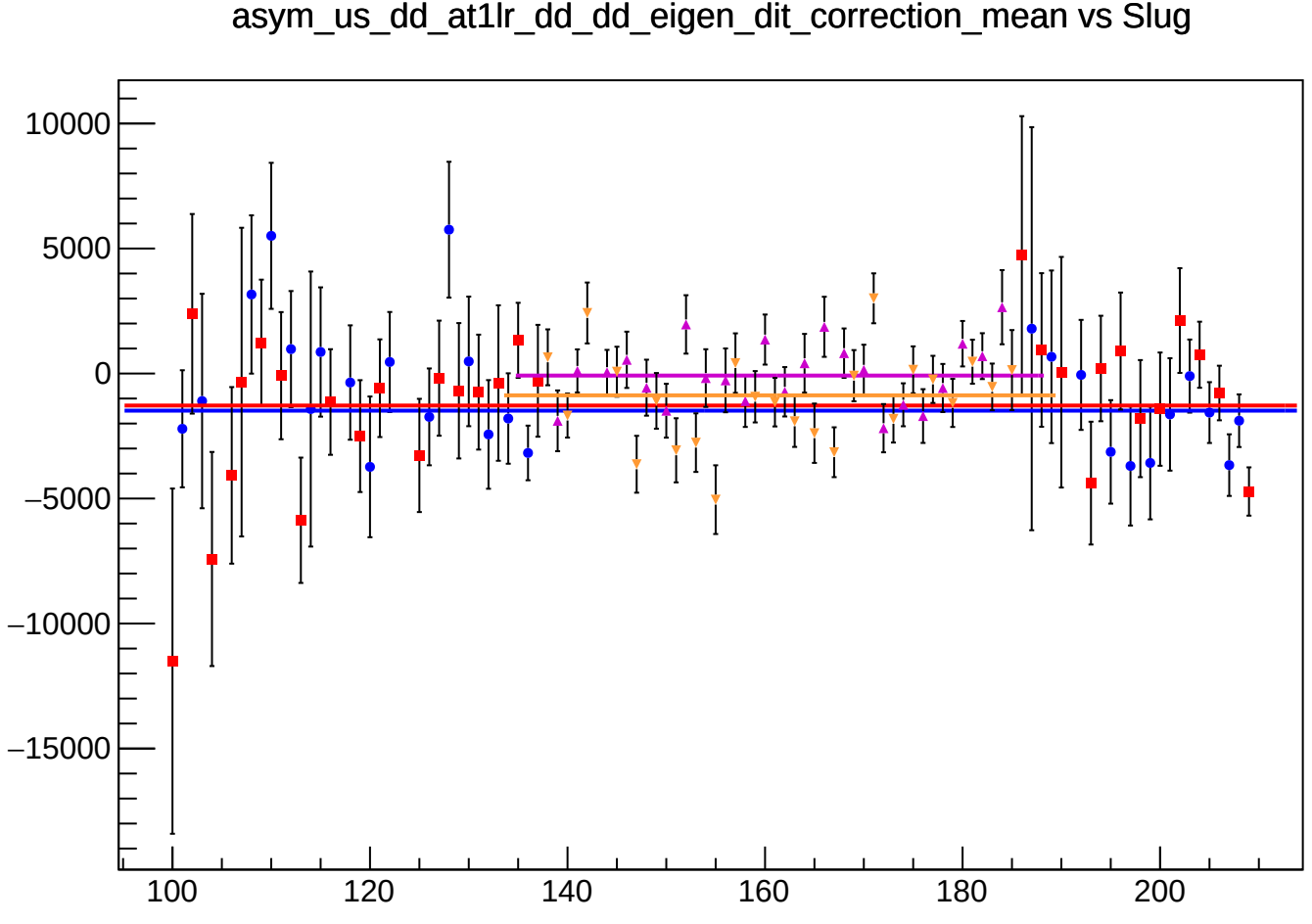
Right Out: 1807.306+/-0.314 χ^2/NDF: 334485.0/29

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1757.552+/-0.213 χ^2/NDF: 733221.0/50

All: 1762.607+/-0.150 χ^2/NDF: 1100333.4/10

- sign 1767.595+/-0.212 χ^2/NDF: 365993.4/52



Right In: -1484.681+/-375.036 χ^2/NDF: 29.6/26

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

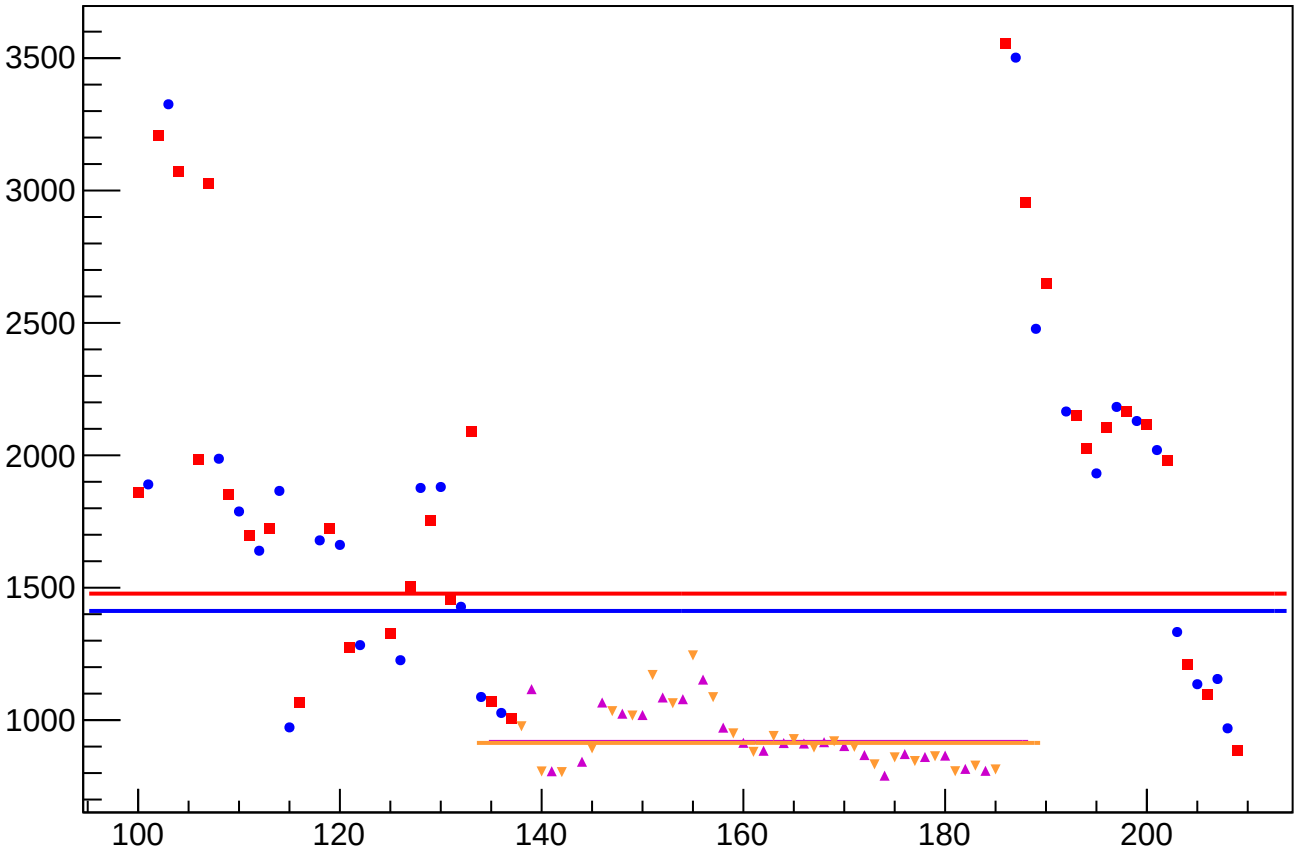
Right Out: -1280.298+/-386.182 χ^2/NDF: 37.8/29

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1023.120+/-185.874 χ^2/NDF: 93.6/50

All: -699.590+/-132.337 χ^2/NDF: 174.8/103

- sign -367.004+/-188.458 χ^2/NDF: 75.1/52



Right In: 1412.243+/-0.265 χ^2/NDF: 2971075.9/26

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1477.664+/-0.273 χ^2/NDF: 4199471.0/29

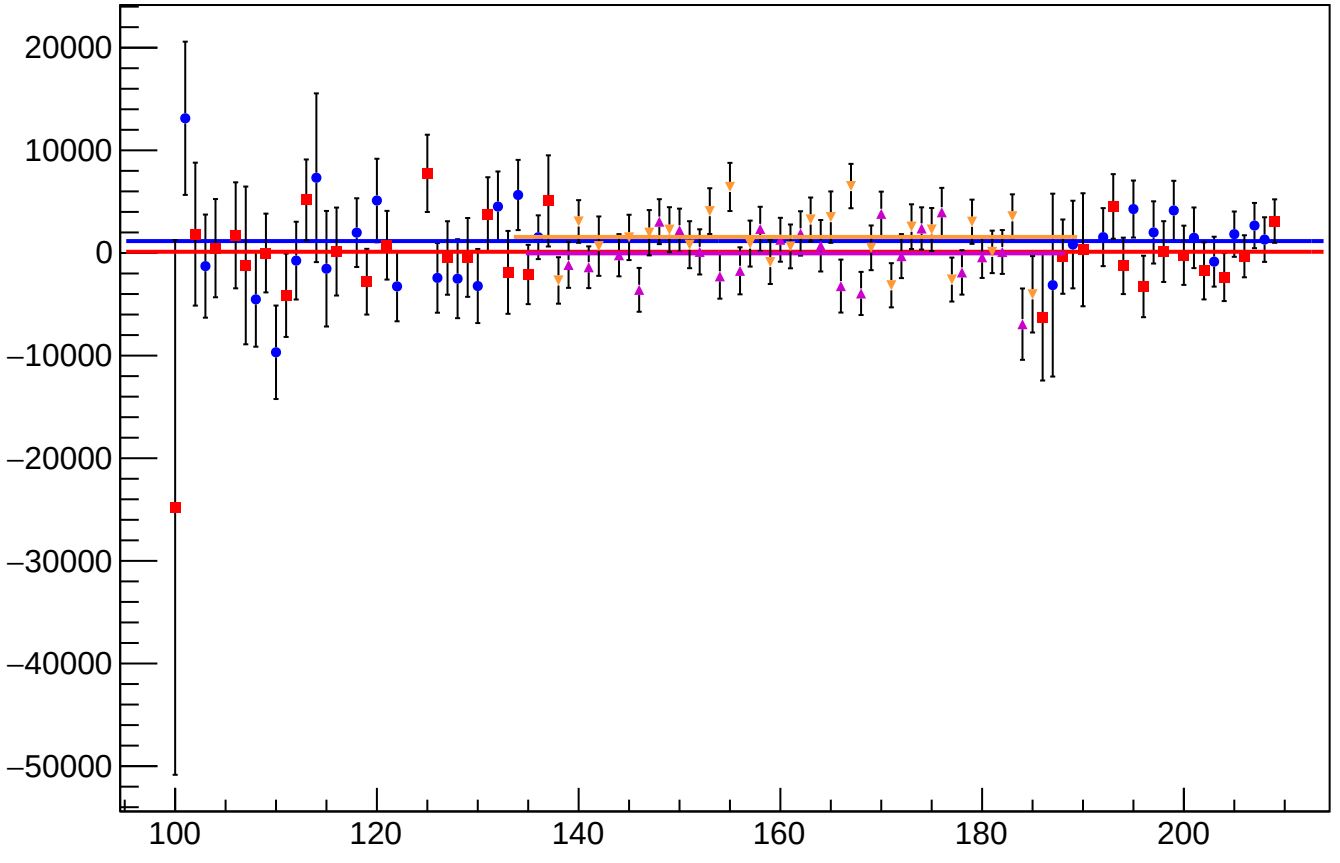
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1036.310+/-0.131 χ^2/NDF: 6097870.5/50

All: 1043.570+/-0.094 χ^2/NDF: 13937935.9/1

- sign 1051.034+/-0.133 χ^2/NDF: 7833877.2/52

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1158.151+/-622.069 χ^2/NDF: 23.9/26

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 117.334+/-624.275 χ^2/NDF: 20.1/29

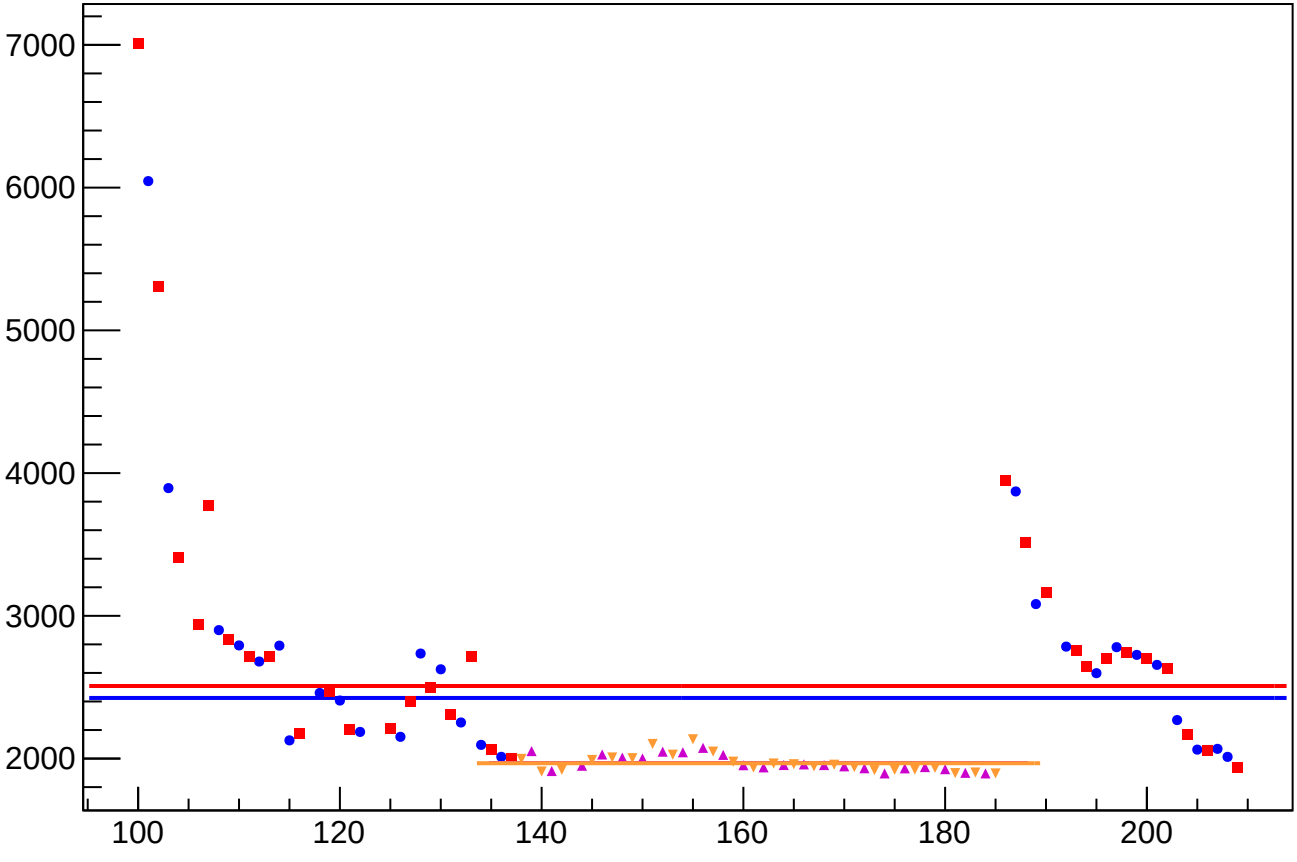
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1420.071+/-368.235 χ^2/NDF: 55.4/50

All: 721.660+/-261.105 χ^2/NDF: 110.6/103

- sign 15.430+/-370.291 χ^2/NDF: 48.0/52

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2424.676+/-0.440 χ^2/NDF: 1223862.3/26

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

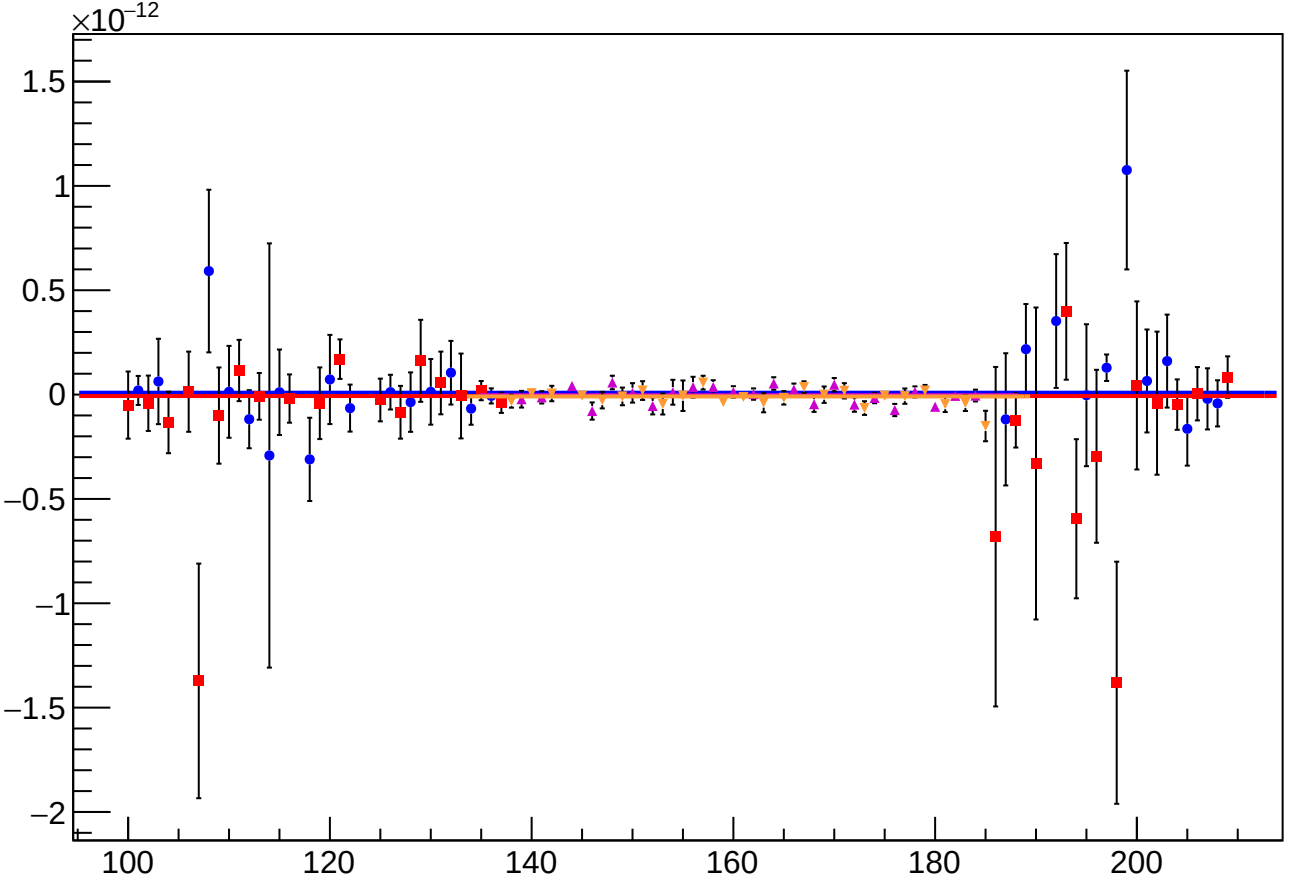
Right Out: 2508.426+/-0.441 χ^2/NDF: 1299723.3/29

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2127.643+/-0.260 χ^2/NDF: 1960053.3/50

All: 2143.136+/-0.185 χ^2/NDF: 4261240.8/10

- sign 2158.802+/-0.262 χ^2/NDF: 2294067.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

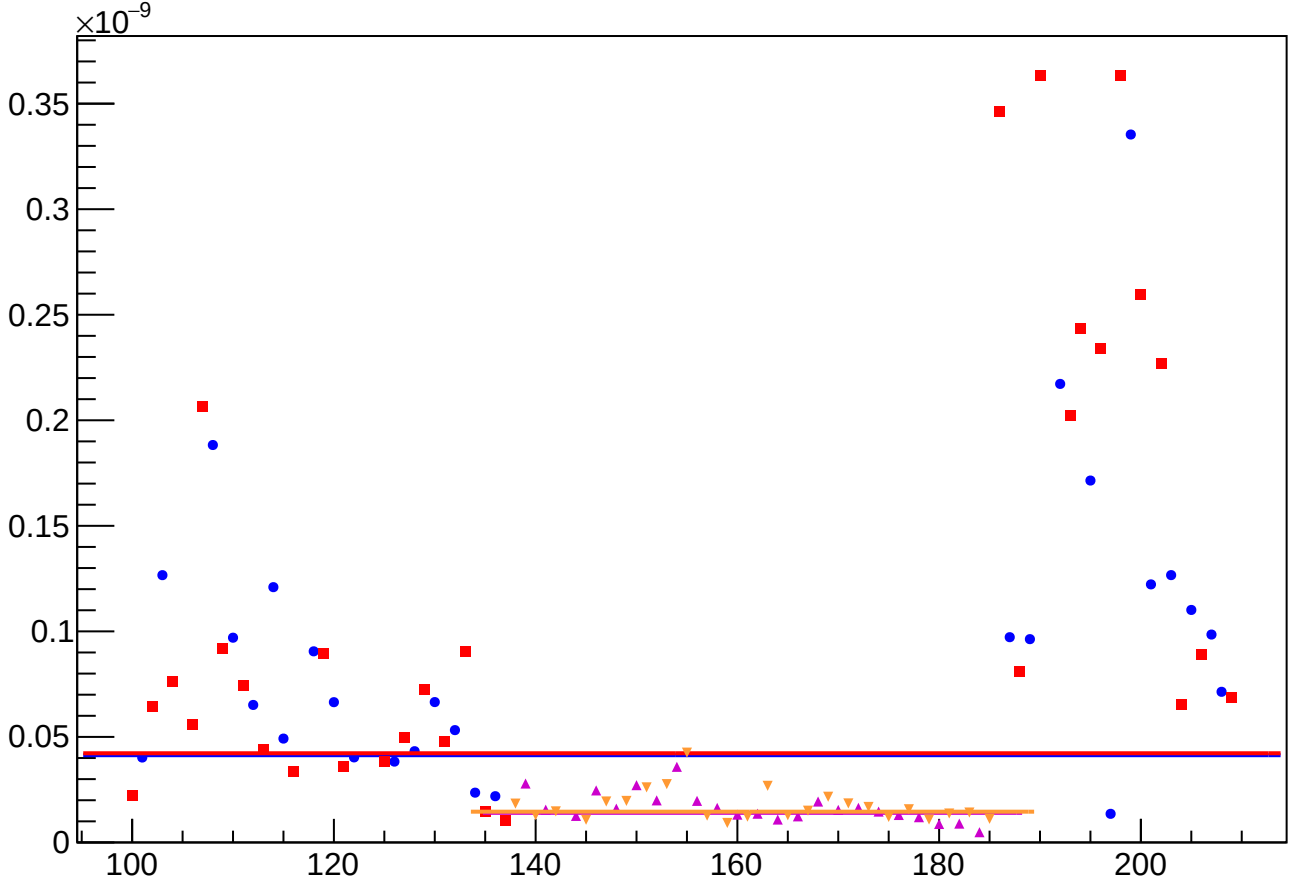
Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.9/50

All: -0.000+/-0.000 χ^2/NDF: 107.1/103

- sign -0.000+/-0.000 χ^2/NDF: 64.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 5222325.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

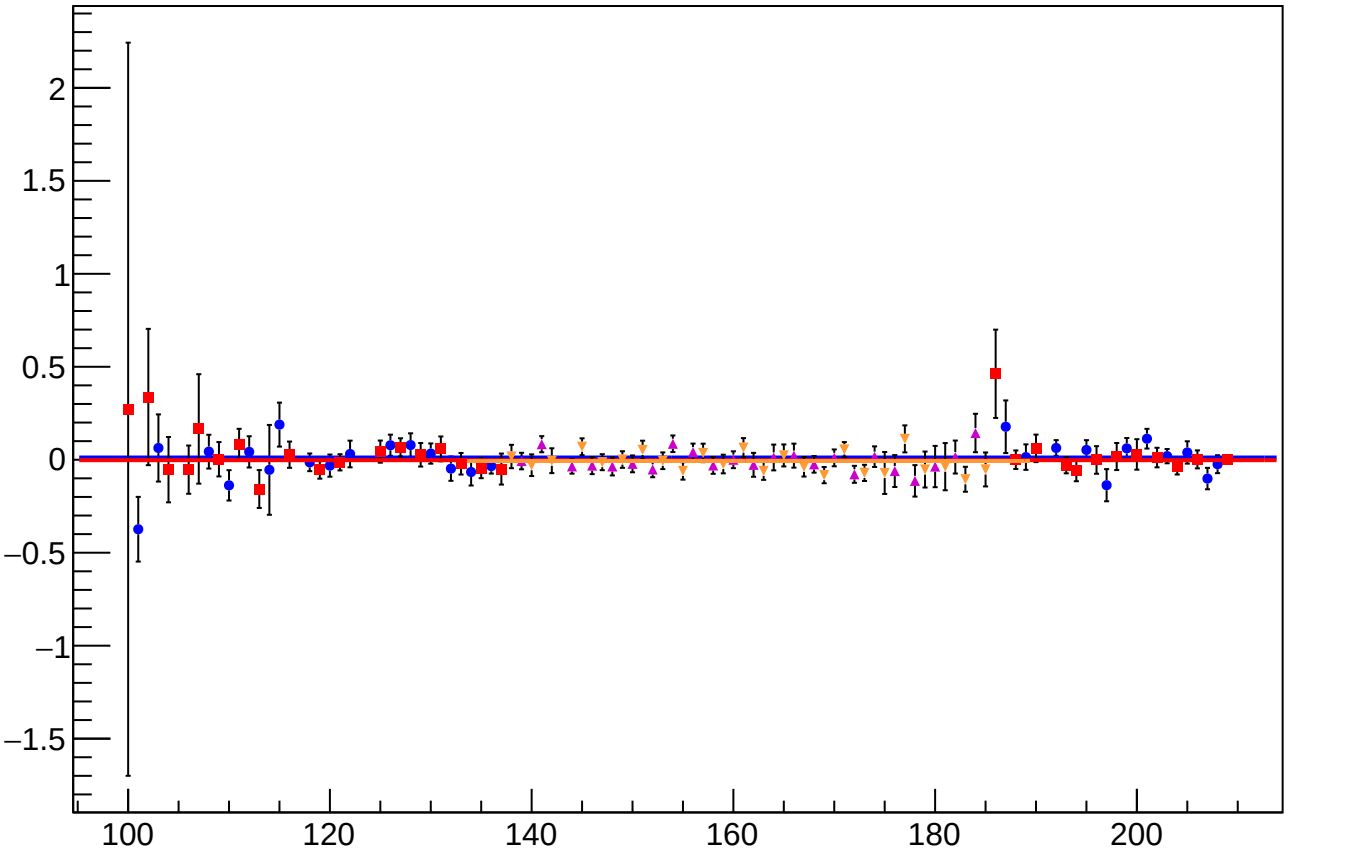
Right Out: 0.000+/-0.000 χ^2/NDF: 7011608.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9239720.9/50

All: 0.000+/-0.000 χ^2/NDF: 20669521.9/103

- sign 0.000+/-0.000 χ^2/NDF: 11418129.5/52



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.011 χ^2/NDF: 17.9/29

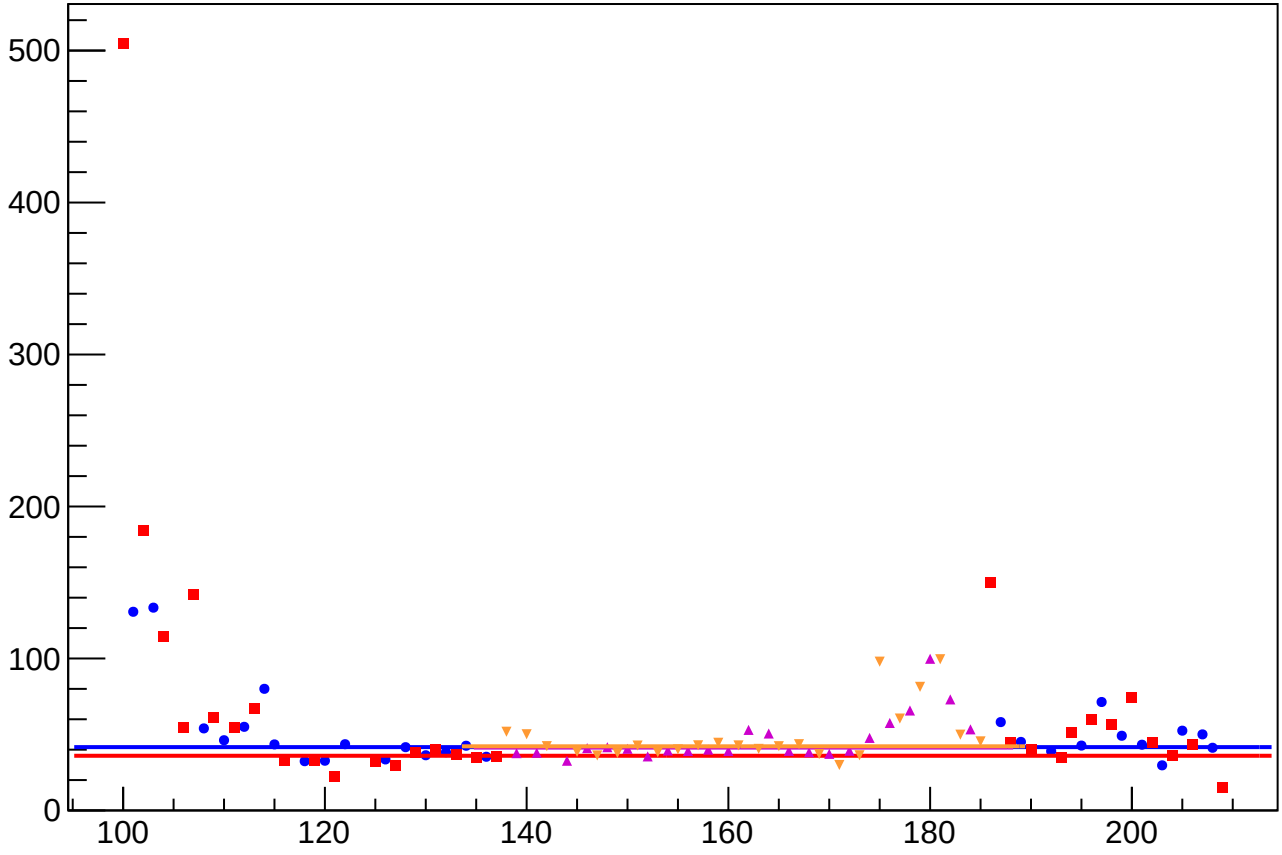
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

\+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.001+/-0.006 χ^2/NDF: 96.9/103

\- sign -0.004+/-0.008 χ^2/NDF: 38.1/52

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 35.984+/-0.008 χ^2/NDF: 4827234.7/29

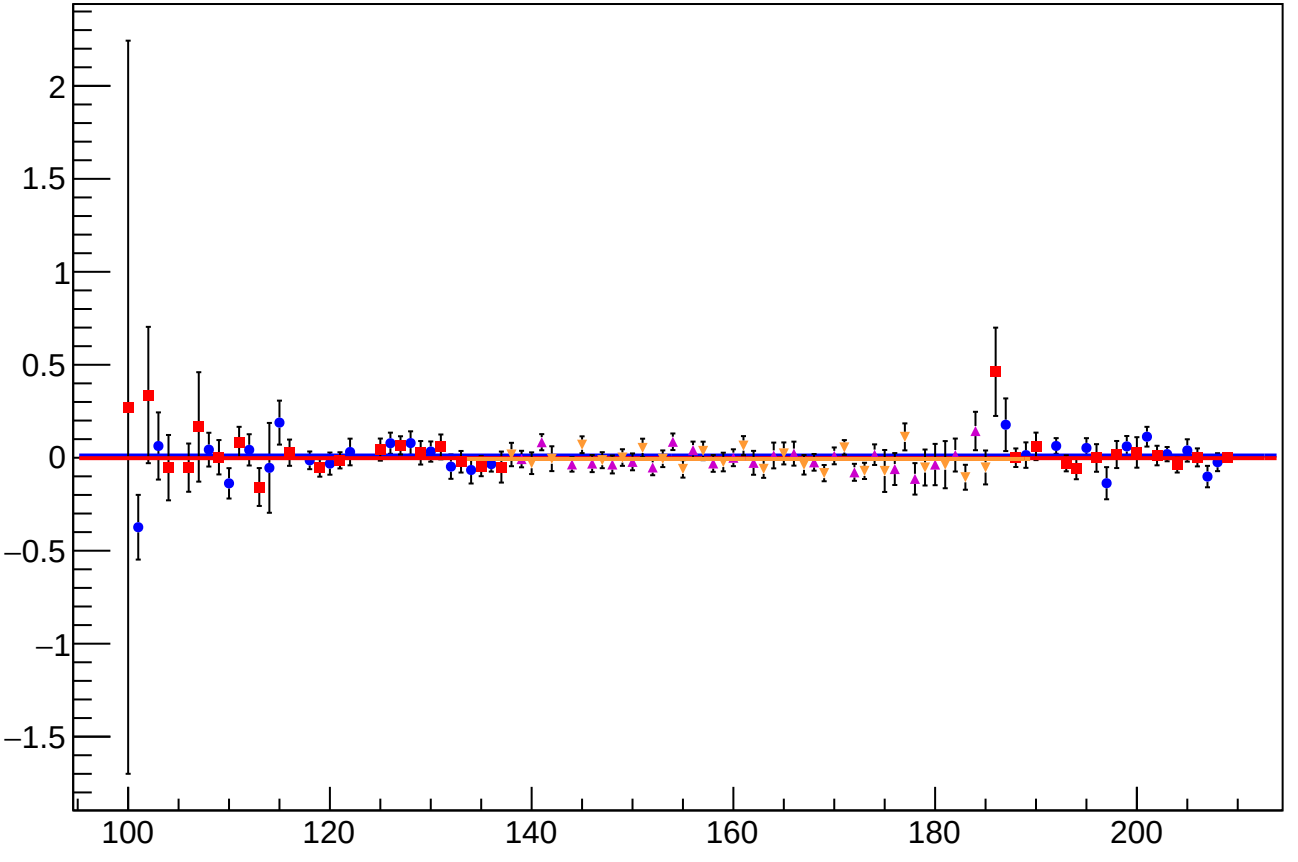
Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.964+/-0.006 χ^2/NDF: 3859927.1/50

All: 40.260+/-0.004 χ^2/NDF: 10524614.0/103

- sign 38.723+/-0.005 χ^2/NDF: 6493524.9/52

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

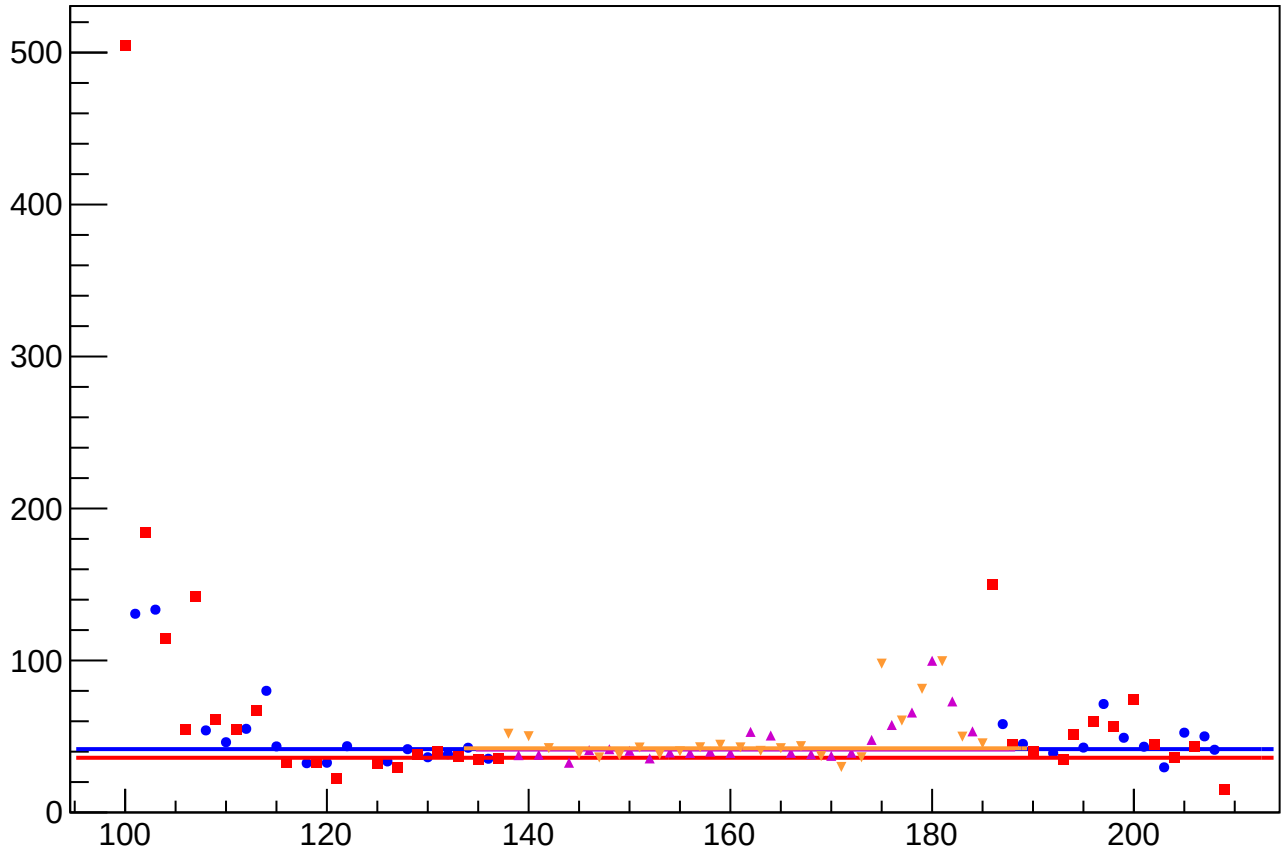
Right Out: -0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.001+/-0.006 χ^2/NDF: 96.9/103

- sign -0.004+/-0.008 χ^2/NDF: 38.1/52



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

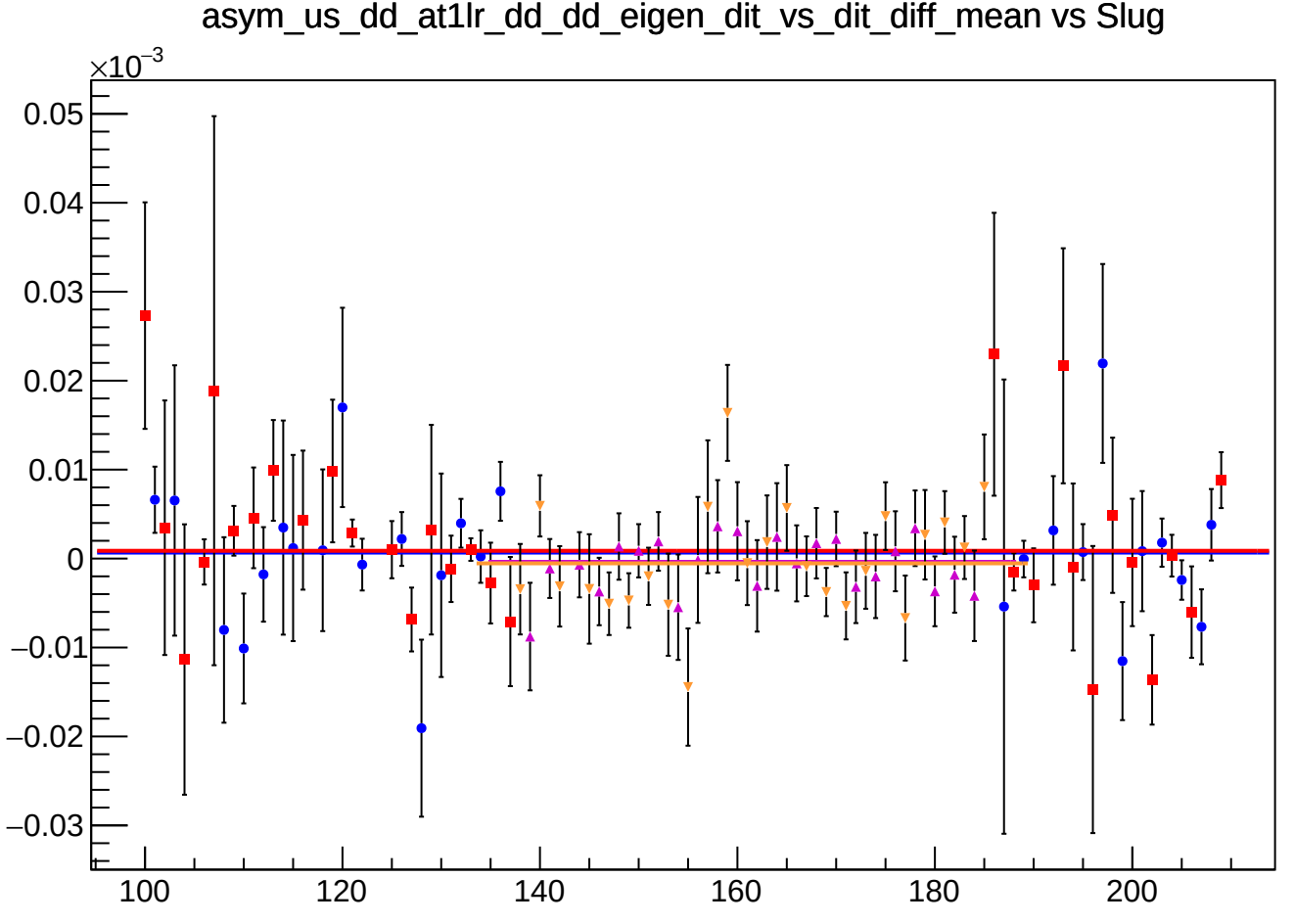
Right Out: 35.984+/-0.008 χ^2/NDF: 4827234.7/29

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.964+/-0.006 χ^2/NDF: 3859927.1/50

All: 40.260+/-0.004 χ^2/NDF: 10524614.0/103

- sign 38.723+/-0.005 χ^2/NDF: 6493524.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

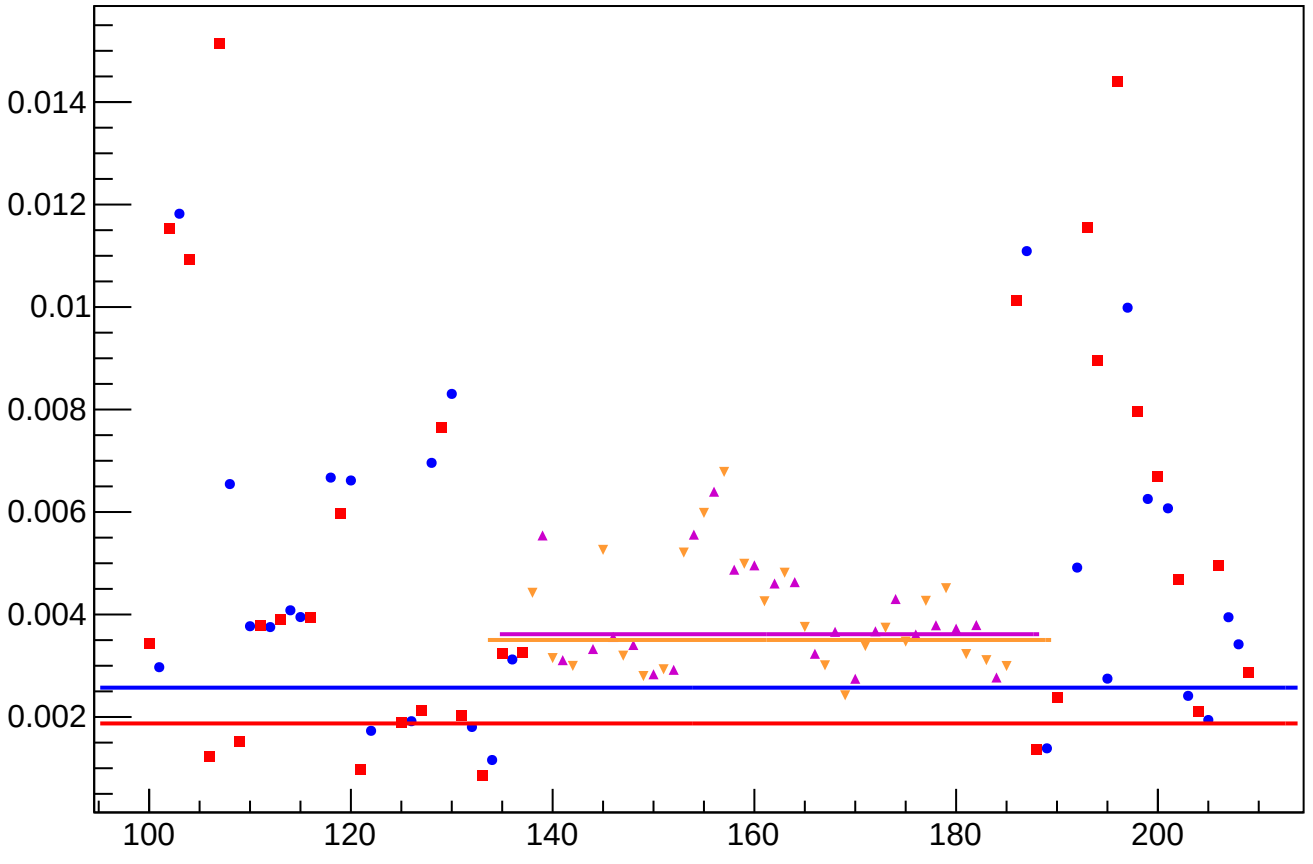
Right Out: 0.000+/-0.000 χ^2/NDF: 43.5/29

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.0/50

All: 0.000+/-0.000 χ^2/NDF: 125.7/103

- sign 0.000+/-0.000 χ^2/NDF: 54.5/52



Right In: 0.003+/-0.000 χ^2/NDF: 7473219.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

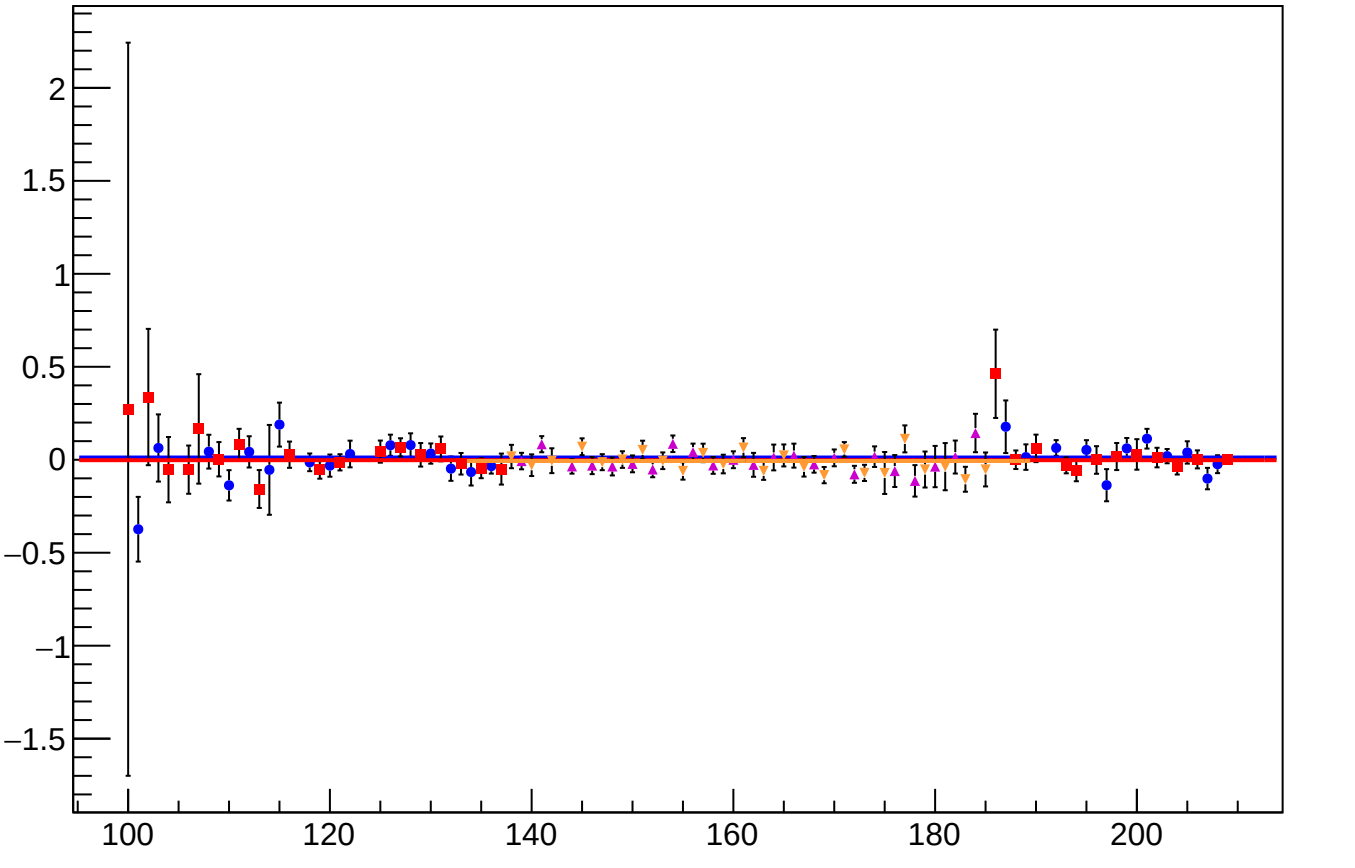
Right Out: 0.002+/-0.000 χ^2/NDF: 13638710.5/29

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 10975178.6/50

All: 0.003+/-0.000 χ^2/NDF: 32413474.0/103

- sign 0.002+/-0.000 χ^2/NDF: 20516332.1/52



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

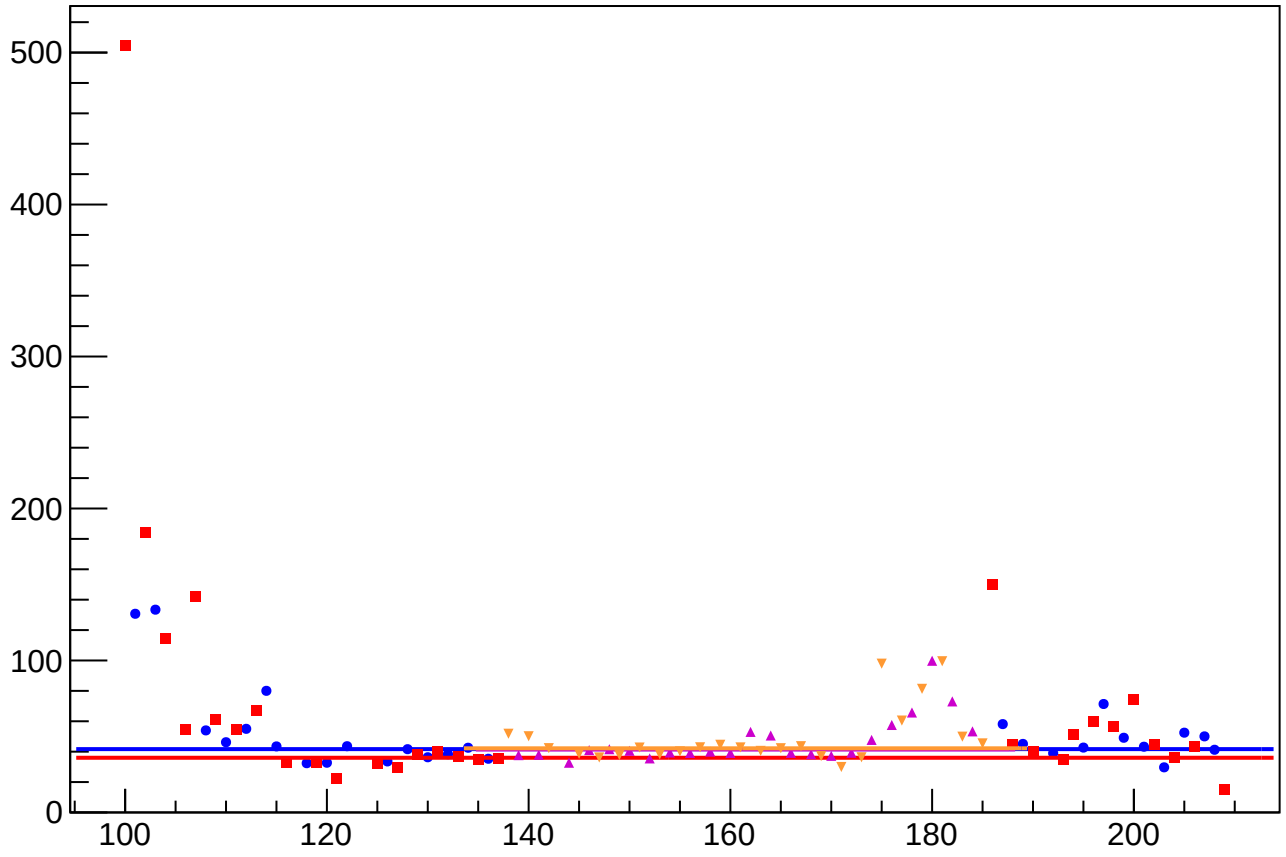
Right Out: -0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.001+/-0.006 χ^2/NDF: 96.9/103

- sign -0.004+/-0.008 χ^2/NDF: 38.1/52



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

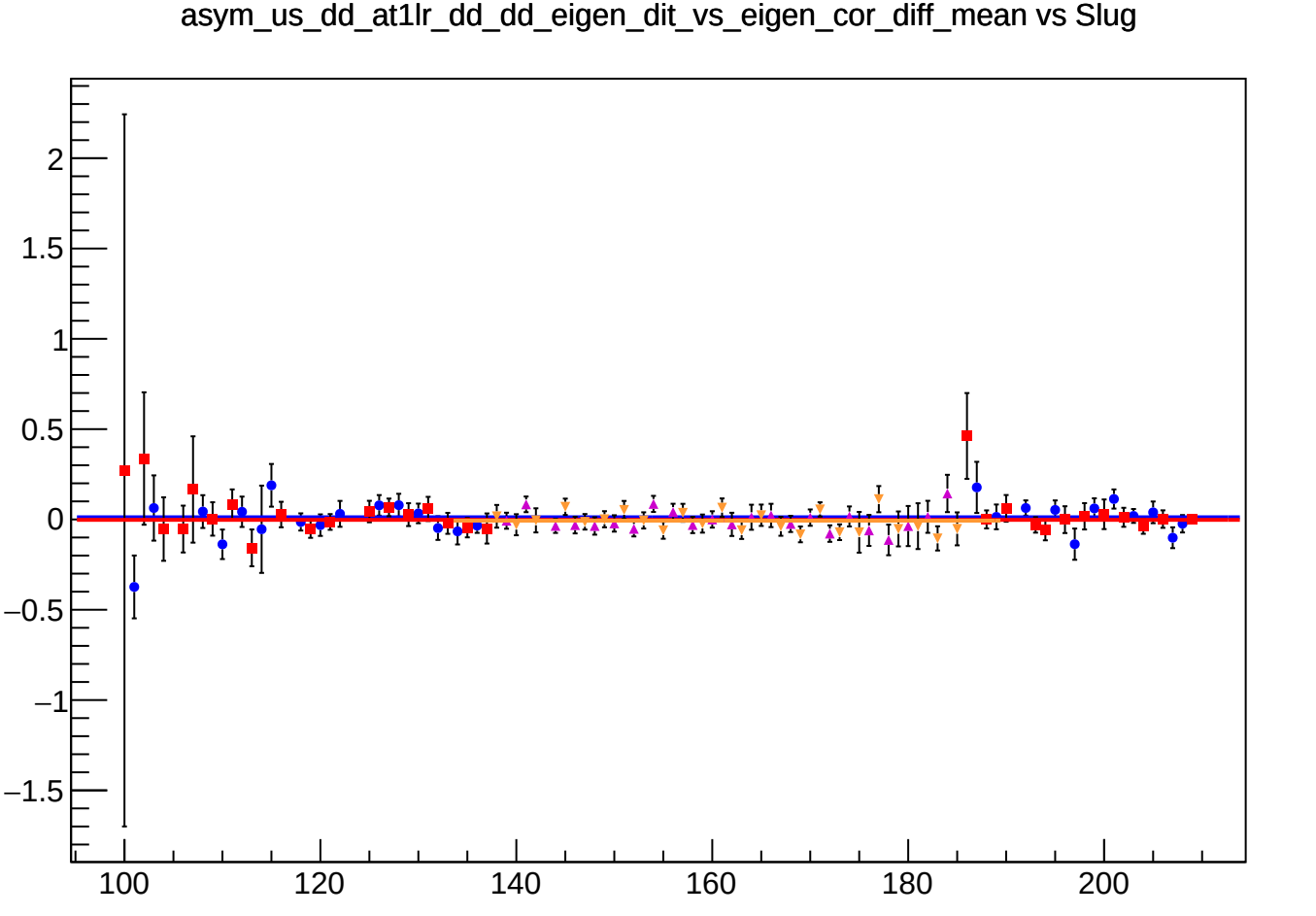
Right Out: 35.988+/-0.008 χ^2/NDF: 4824807.2/29

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.964+/-0.006 χ^2/NDF: 3859830.9/50

All: 40.261+/-0.004 χ^2/NDF: 10521313.1/103

- sign 38.726+/-0.005 χ^2/NDF: 6490575.5/52



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

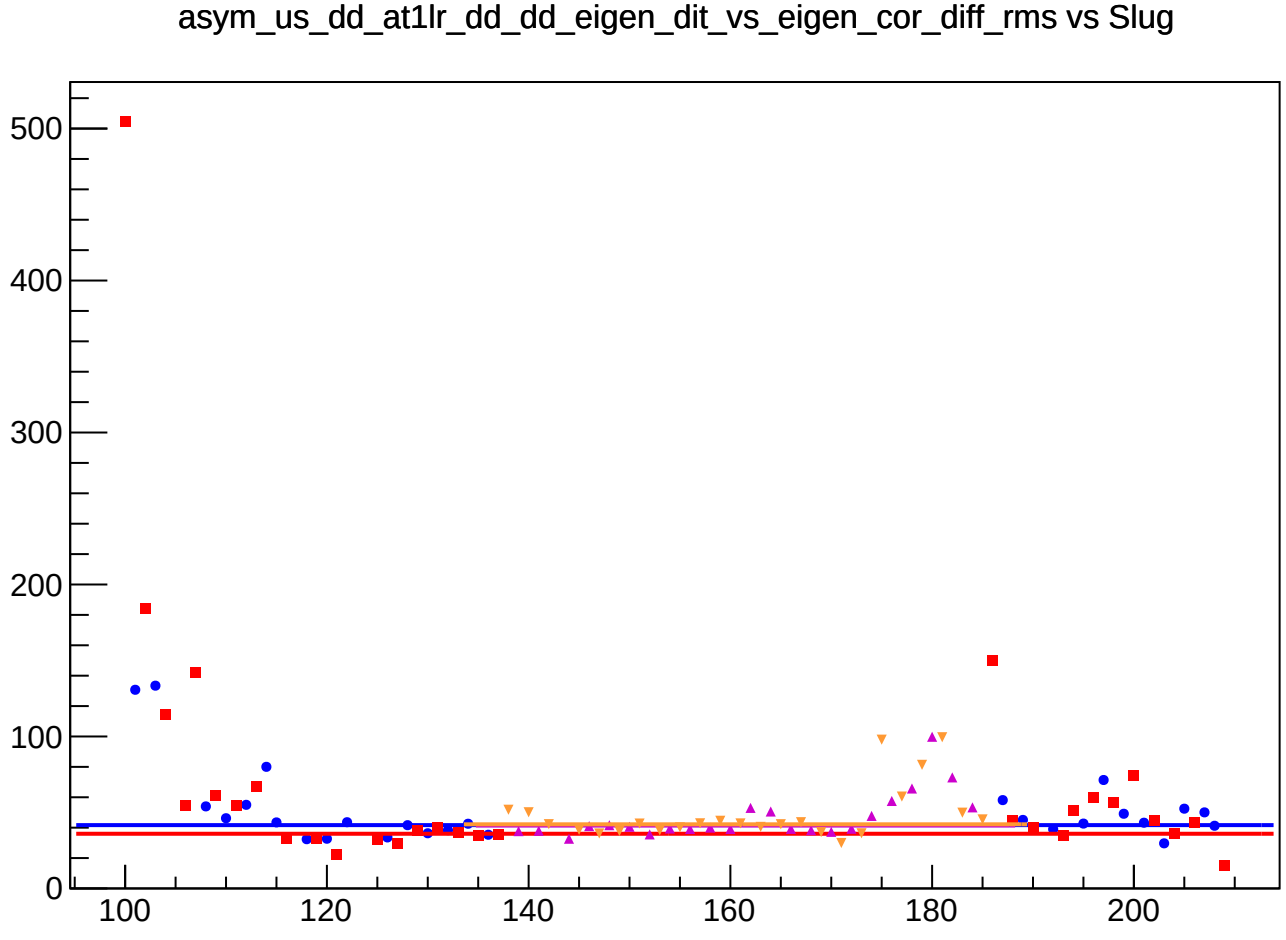
Right Out: -0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/50

All: -0.001+/-0.006 χ^2/NDF: 96.9/103

- sign -0.004+/-0.008 χ^2/NDF: 38.1/52



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

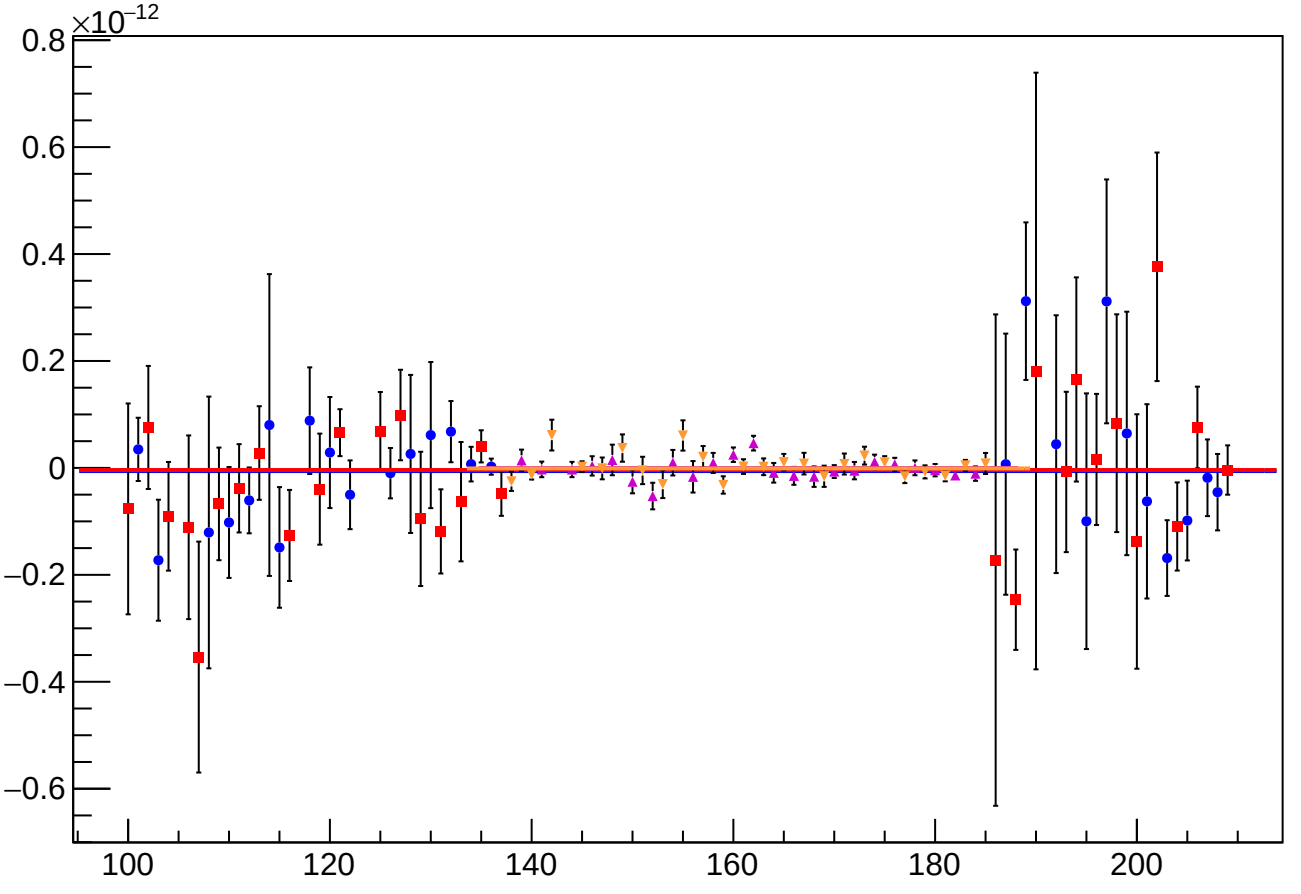
Right Out: 35.988+/-0.008 χ^2/NDF: 4824807.2/29

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.964+/-0.006 χ^2/NDF: 3859830.9/50

All: 40.261+/-0.004 χ^2/NDF: 10521313.1/103

- sign 38.726+/-0.005 χ^2/NDF: 6490575.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

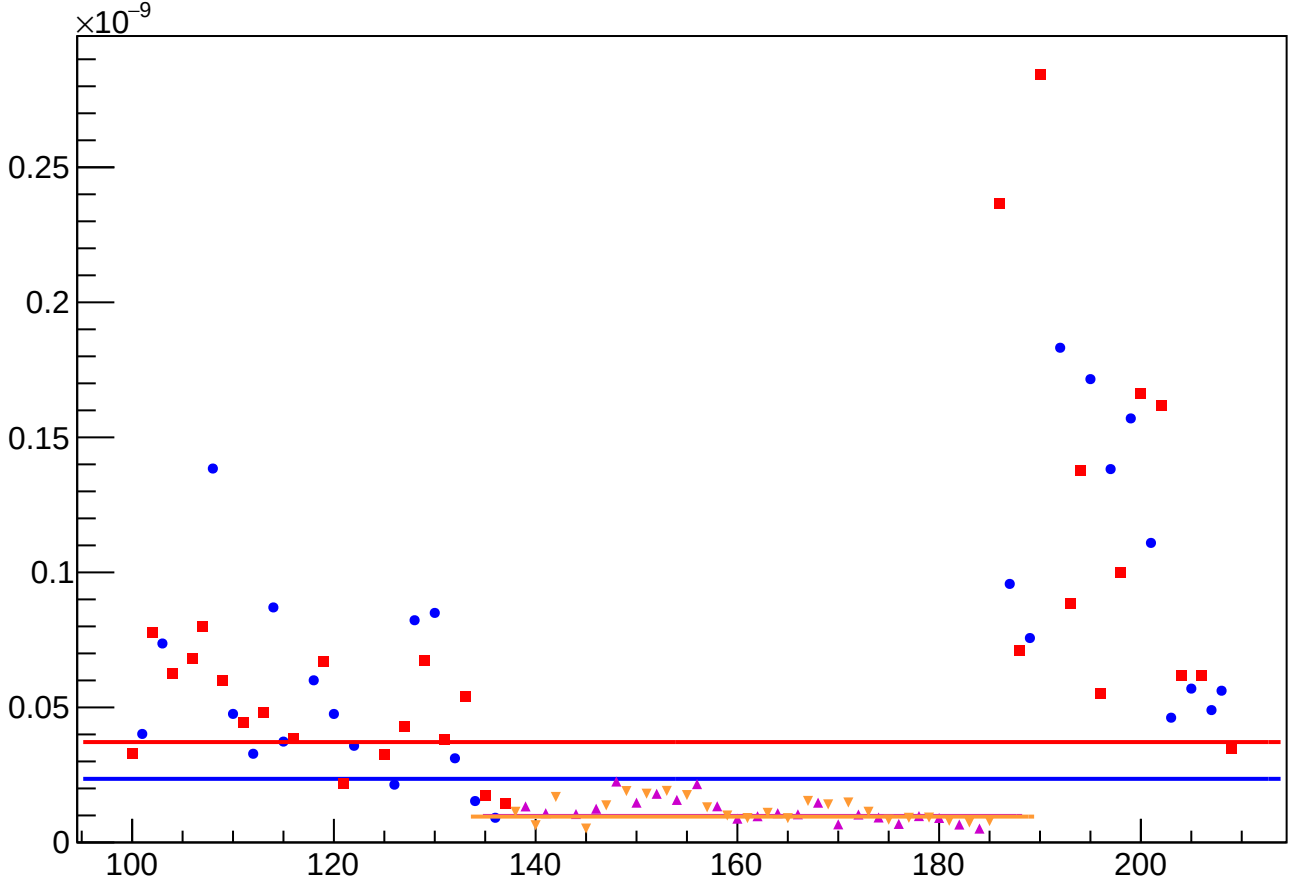
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/29

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/50

All: -0.000+/-0.000 χ^2/NDF: 114.9/103

- sign -0.000+/-0.000 χ^2/NDF: 60.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 9412501.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6440156.3/29

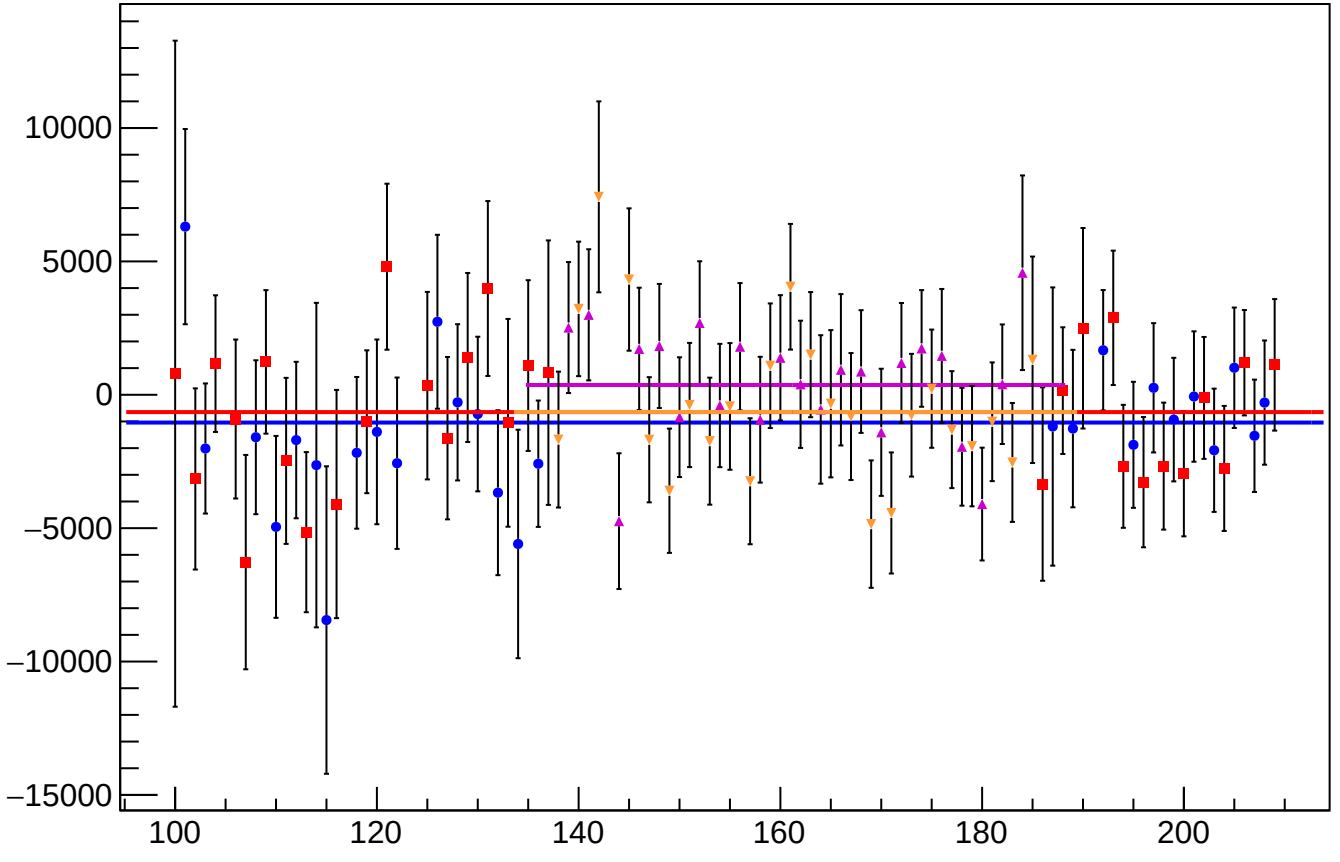
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14905818.3/50

All: 0.000+/-0.000 χ^2/NDF: 30474287.1/103

- sign 0.000+/-0.000 χ^2/NDF: 15543015.0/52

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.217+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -648.571+/-523.725 χ^2/NDF: 22.1/29

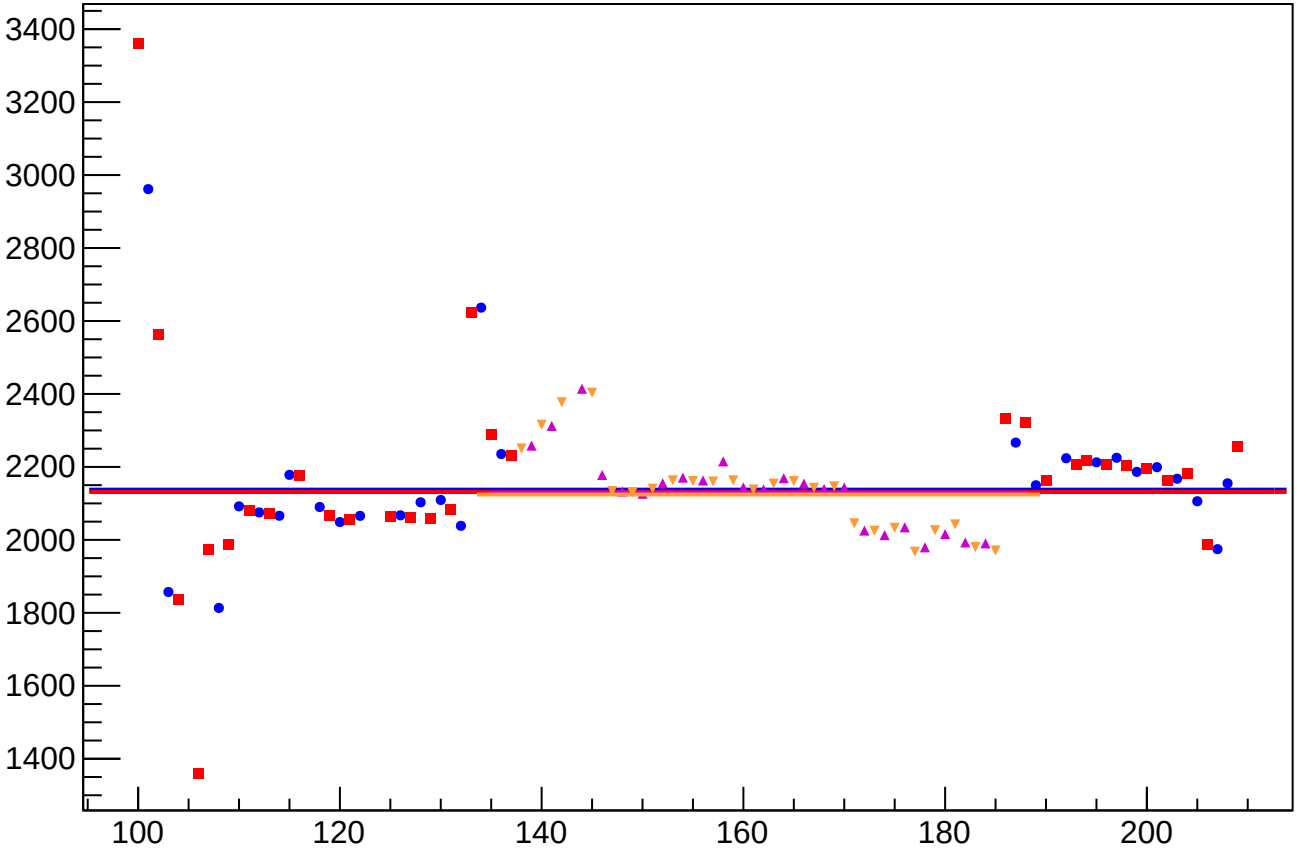
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -825.012+/-364.135 χ^2/NDF: 42.0/50

All: -466.917+/-256.314 χ^2/NDF: 85.3/103

- sign -115.253+/-360.851 χ^2/NDF: 41.3/52

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.676+/-0.381 χ^2/NDF: 215374.2/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

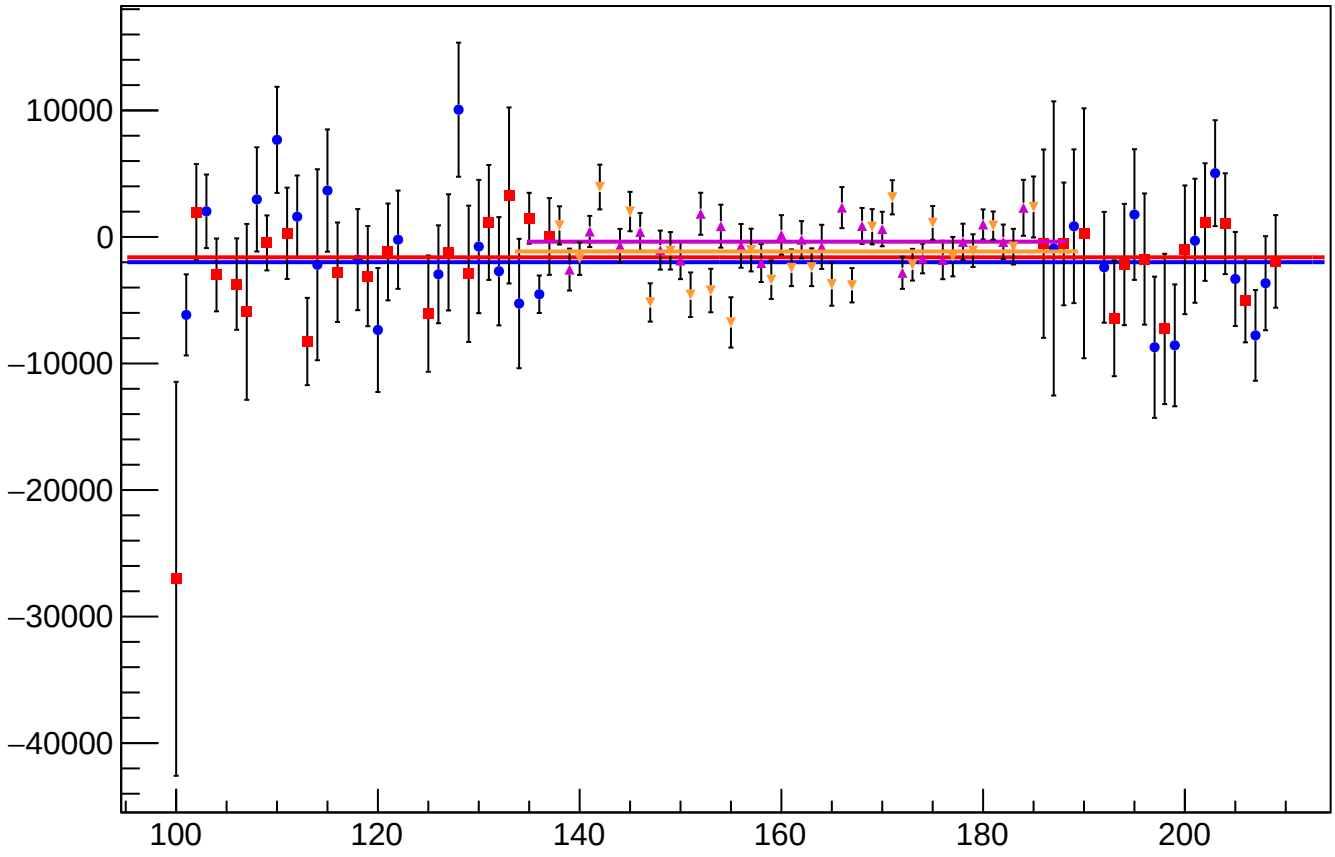
Right Out: 2131.156+/-0.370 χ^2/NDF: 311629.8/29

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2130.473+/-0.257 χ^2/NDF: 305214.0/50

All: 2130.484+/-0.181 χ^2/NDF: 702204.3/103

- sign 2130.495+/-0.255 χ^2/NDF: 396990.4/52



Right In: -1993.862+/-732.214 χ^2/NDF: 33.0/26

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: -1608.259+/-714.913 χ^2/NDF: 17.6/29

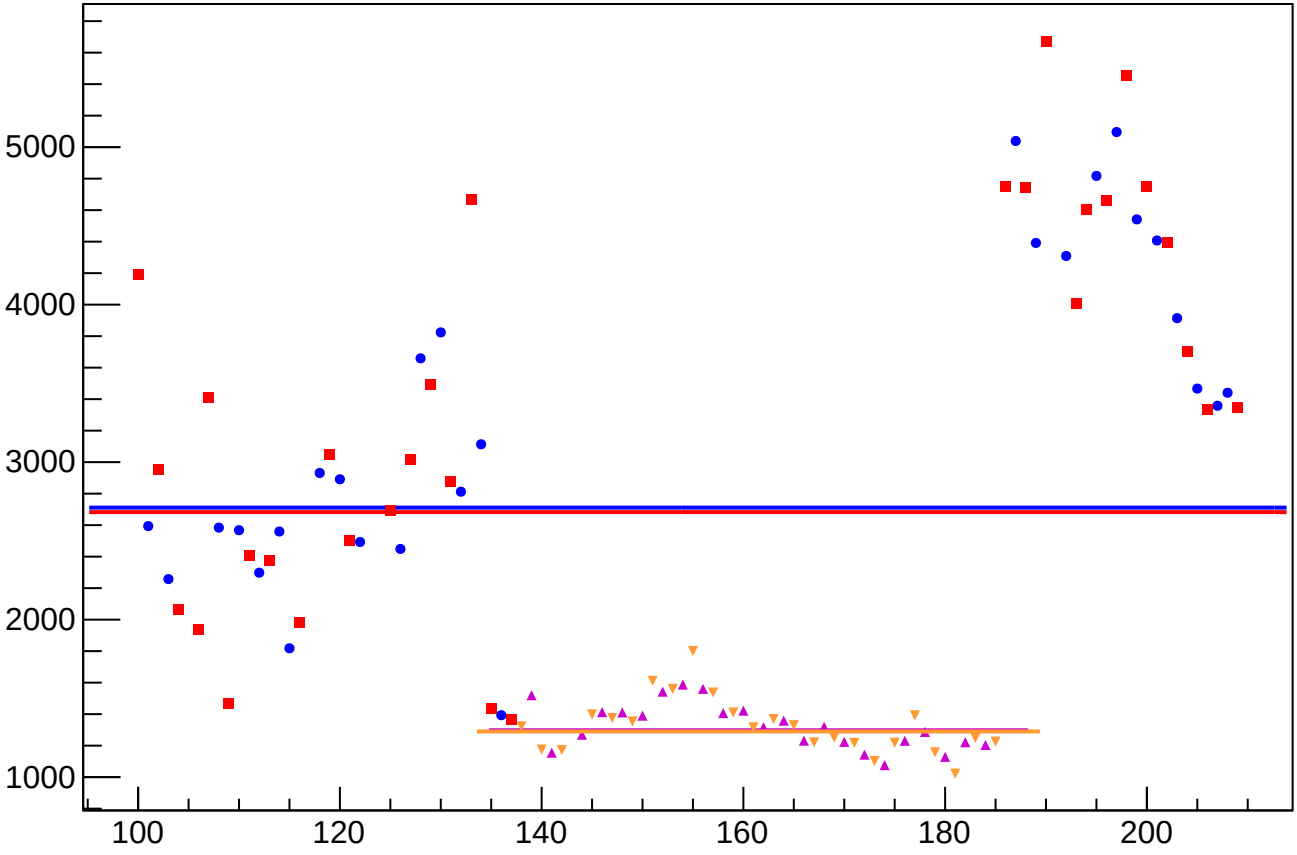
Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1268.594+/-279.571 χ^2/NDF: 101.6/50

All: -917.812+/-198.130 χ^2/NDF: 145.2/103

- sign -563.863+/-280.831 χ^2/NDF: 40.4/52

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2711.264+/-0.518 χ^2/NDF: 4047990.1/26

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2682.721+/-0.506 χ^2/NDF: 5120215.1/29

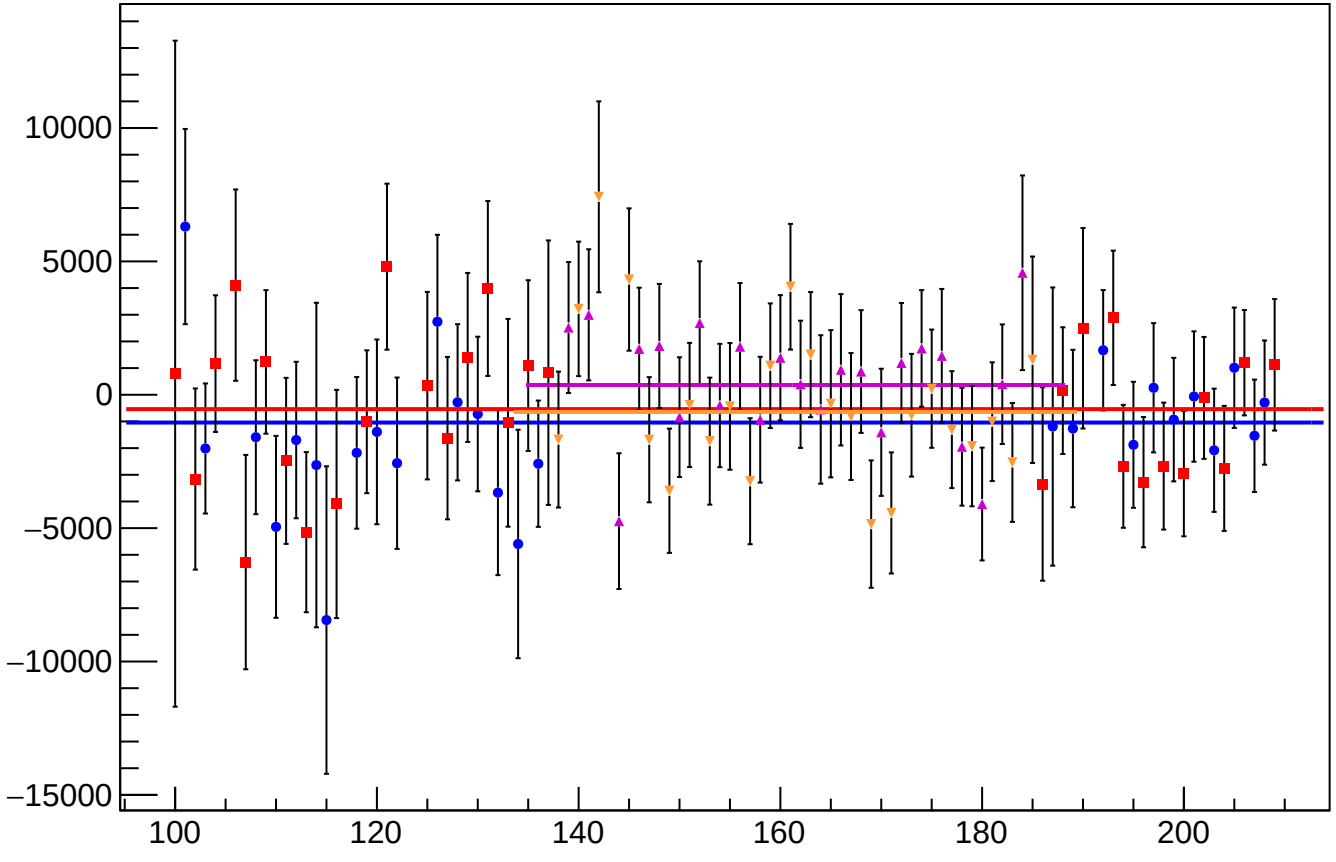
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1497.222+/-0.198 χ^2/NDF: 11052503.8/50

All: 1504.184+/-0.140 χ^2/NDF: 22959640.0/1

- sign 1511.209+/-0.199 χ^2/NDF: 11904644.5/52

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -538.195+/-526.250 χ^2/NDF: 23.8/29

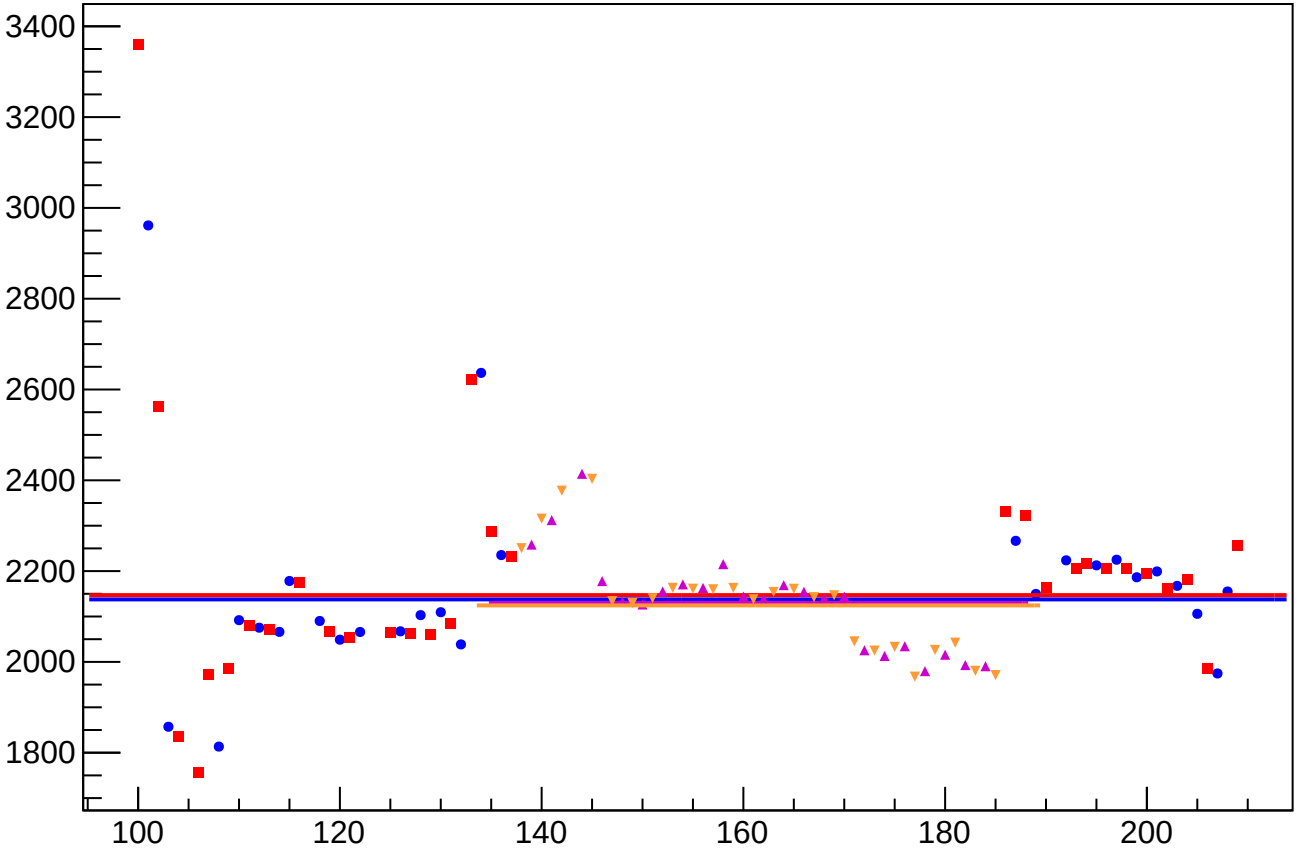
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -824.961+/-364.135 χ^2/NDF: 42.1/50

All: -440.260+/-256.608 χ^2/NDF: 86.9/103

- sign -60.742+/-361.674 χ^2/NDF: 42.6/52

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

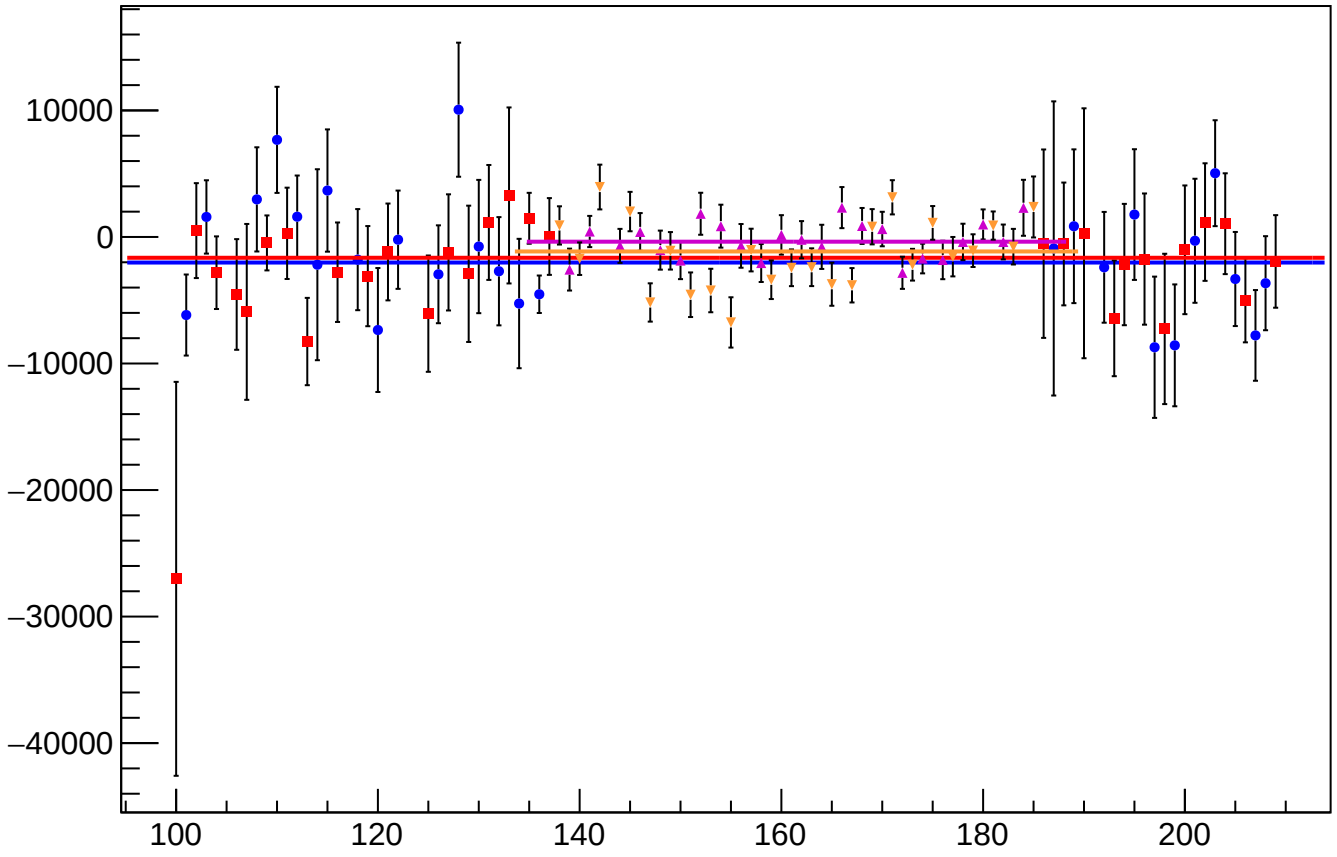
Right Out: 2147.107+/-0.372 χ^2/NDF: 198025.9/29

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2130.473+/-0.257 χ^2/NDF: 305214.3/50

All: 2134.275+/-0.181 χ^2/NDF: 590156.4/103

- sign 2138.026+/-0.256 χ^2/NDF: 284509.0/52



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

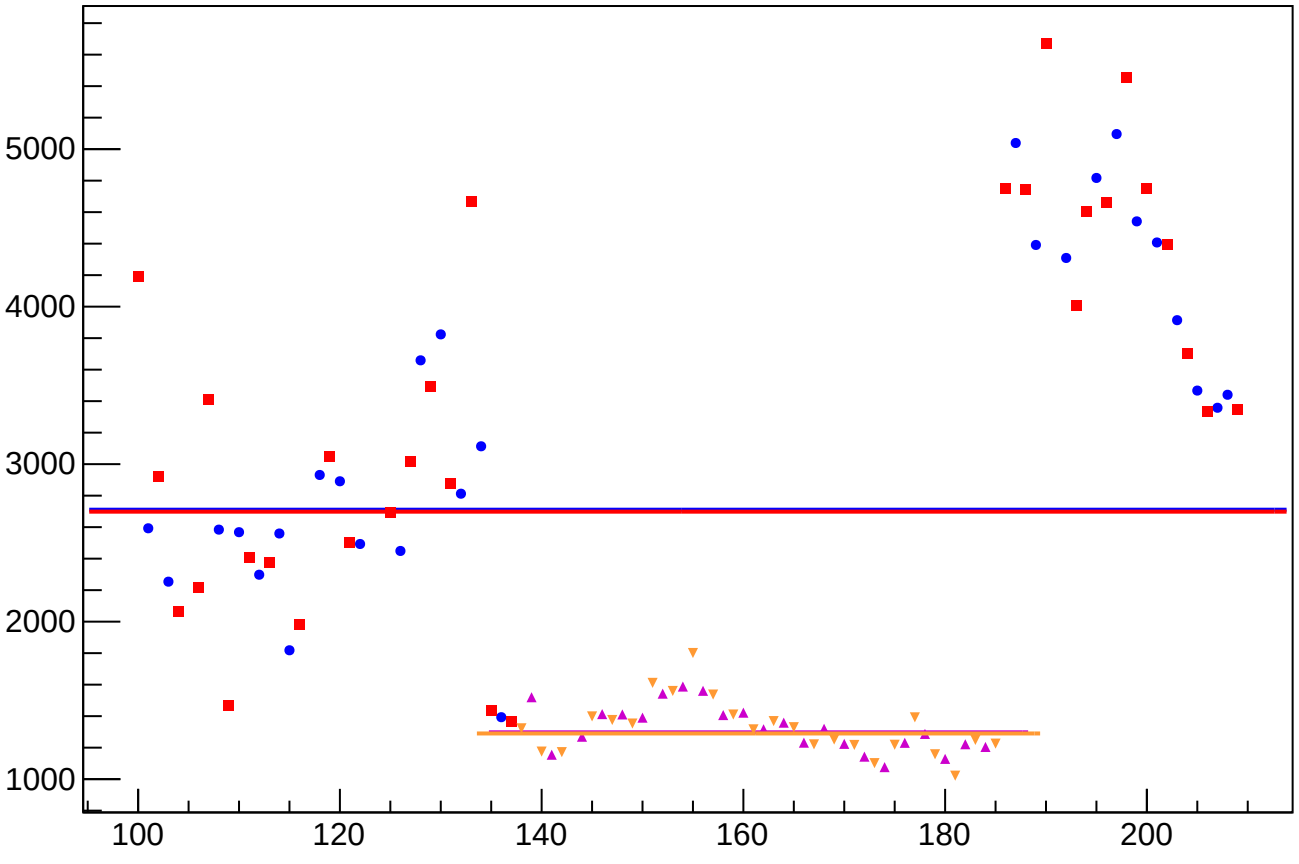
Right Out: -1644.315+/-718.994 χ^2/NDF: 17.0/29

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1272.596+/-279.563 χ^2/NDF: 101.3/50

All: -921.926+/-198.214 χ^2/NDF: 144.5/103

- sign -567.448+/-281.077 χ^2/NDF: 40.0/52



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

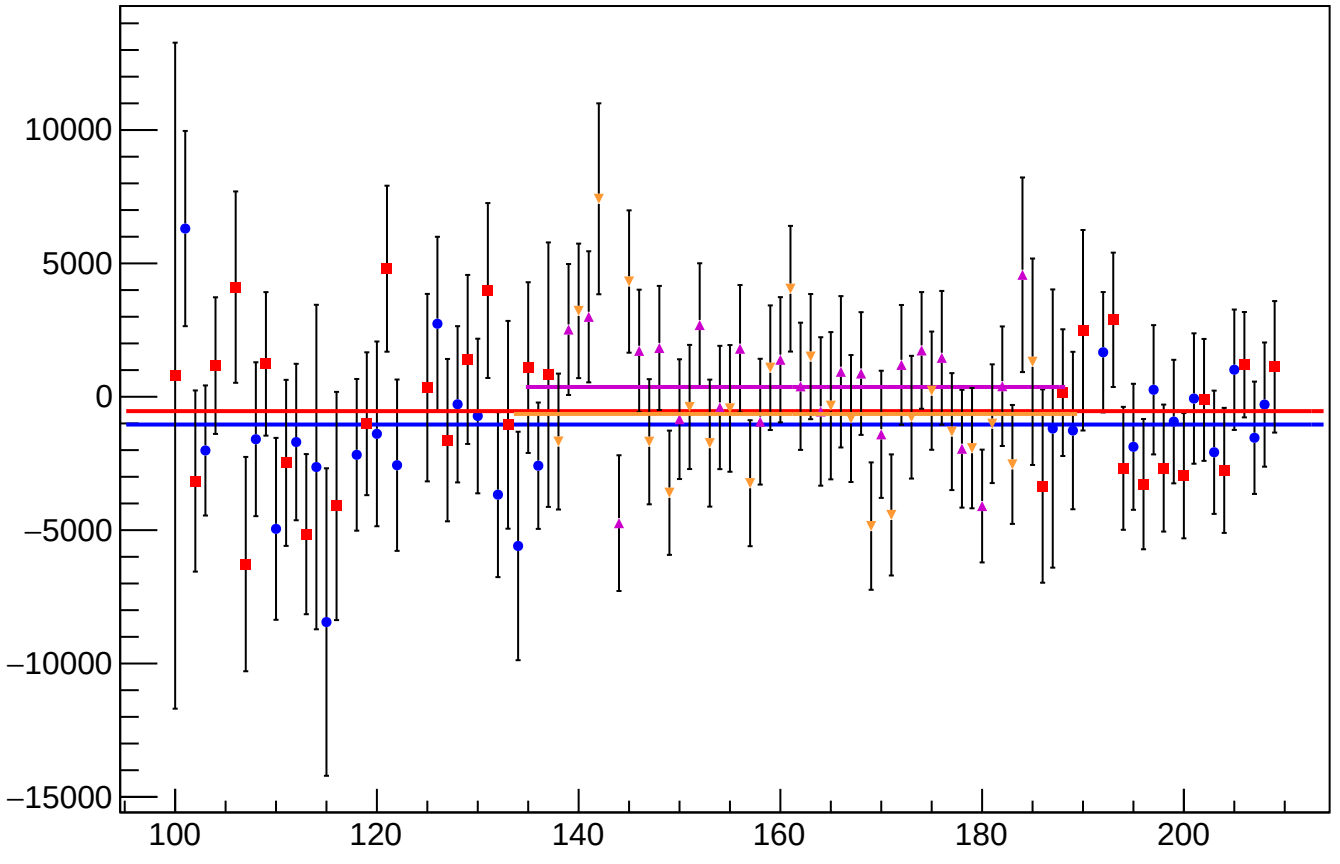
Right Out: 2698.329+/-0.508 χ^2/NDF: 5056628.2/29

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1497.249+/-0.198 χ^2/NDF: 11051712.9/50

All: 1504.360+/-0.140 χ^2/NDF: 22976979.2/1

- sign 1511.548+/-0.199 χ^2/NDF: 11922664.6/52



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -538.195+/-526.250 χ^2/NDF: 23.8/29

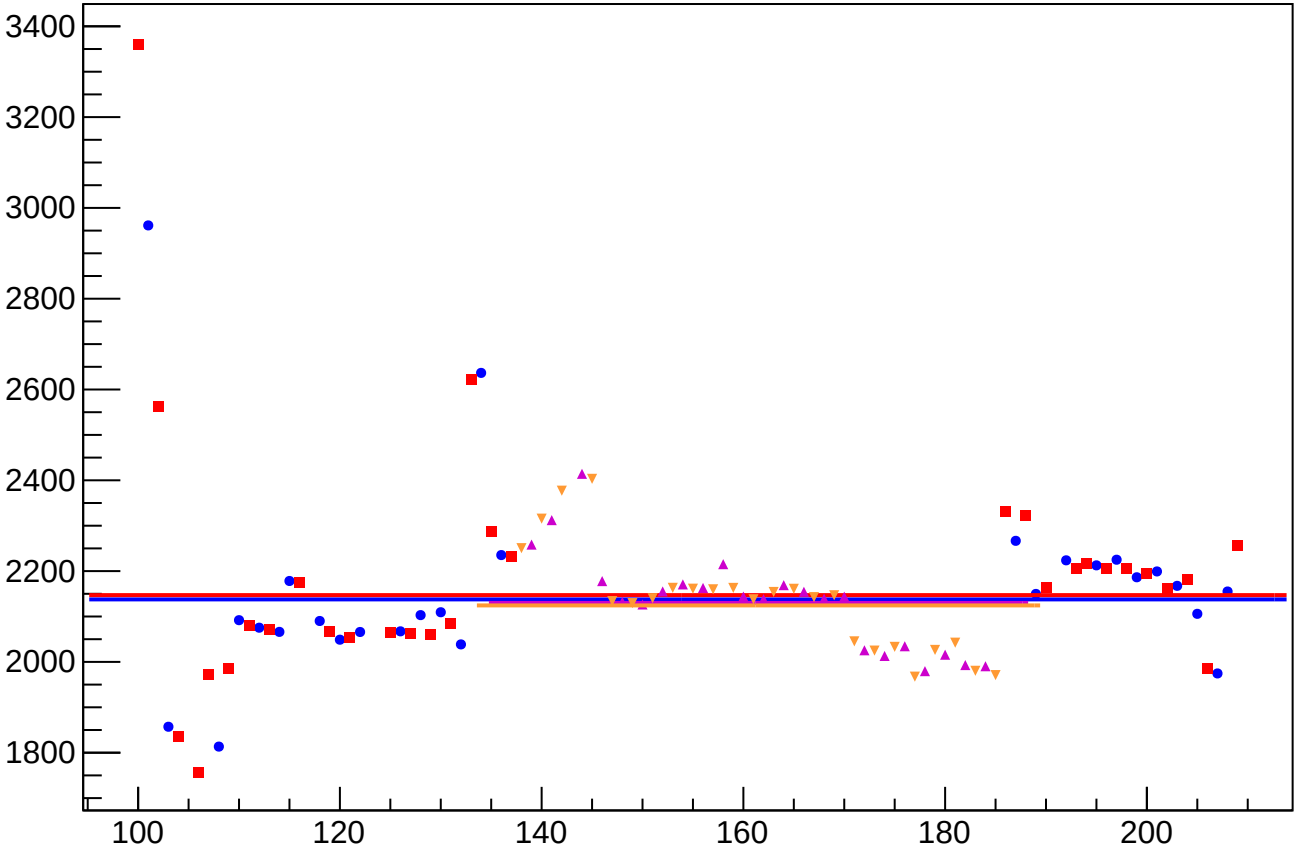
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -824.961+/-364.135 χ^2/NDF: 42.1/50

All: -440.260+/-256.608 χ^2/NDF: 86.9/103

- sign -60.742+/-361.674 χ^2/NDF: 42.6/52

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

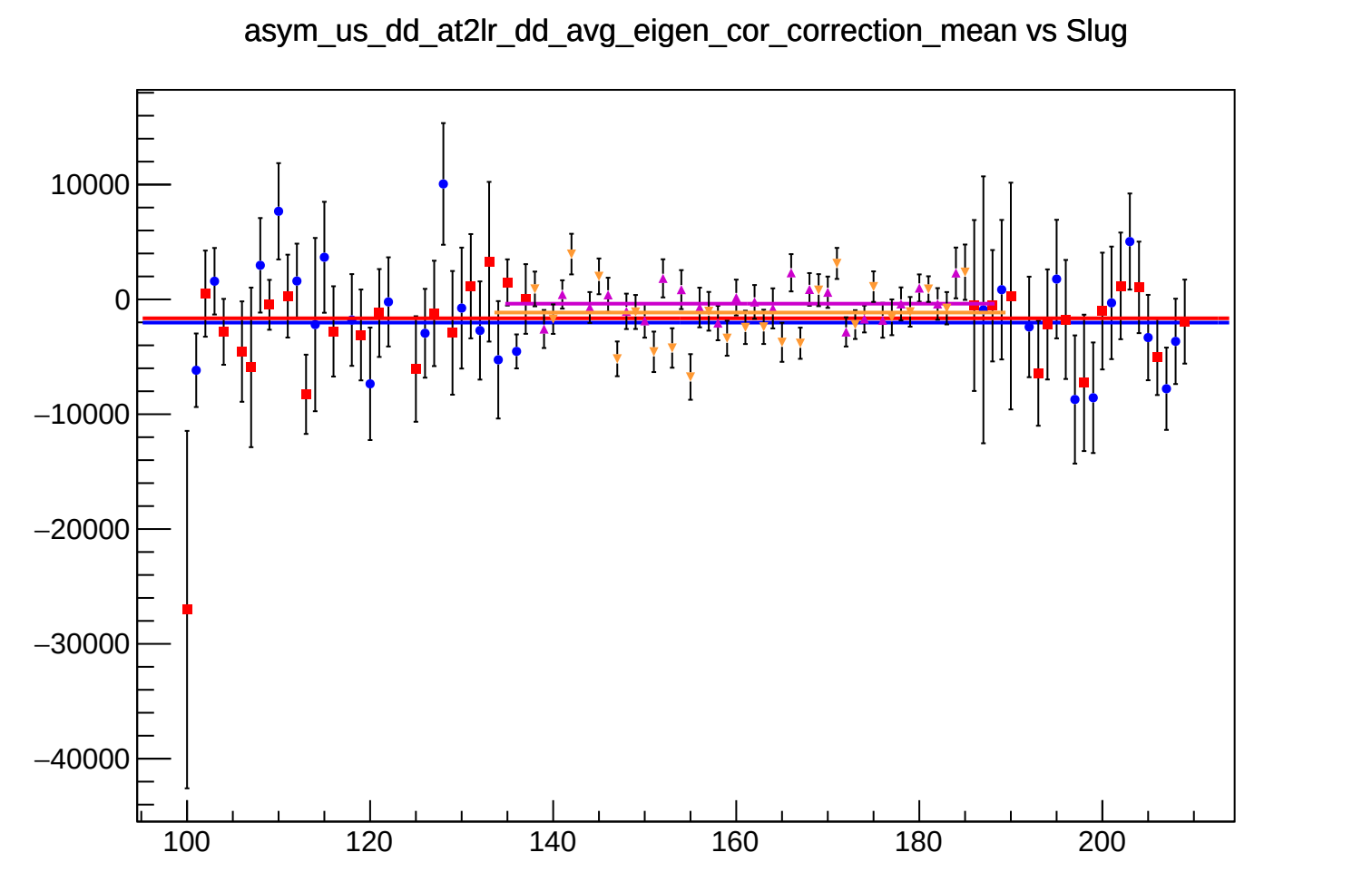
Right Out: 2147.107+/-0.372 χ^2/NDF: 198025.9/29

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2130.473+/-0.257 χ^2/NDF: 305214.3/50

All: 2134.275+/-0.181 χ^2/NDF: 590156.4/103

- sign 2138.026+/-0.256 χ^2/NDF: 284509.0/52



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

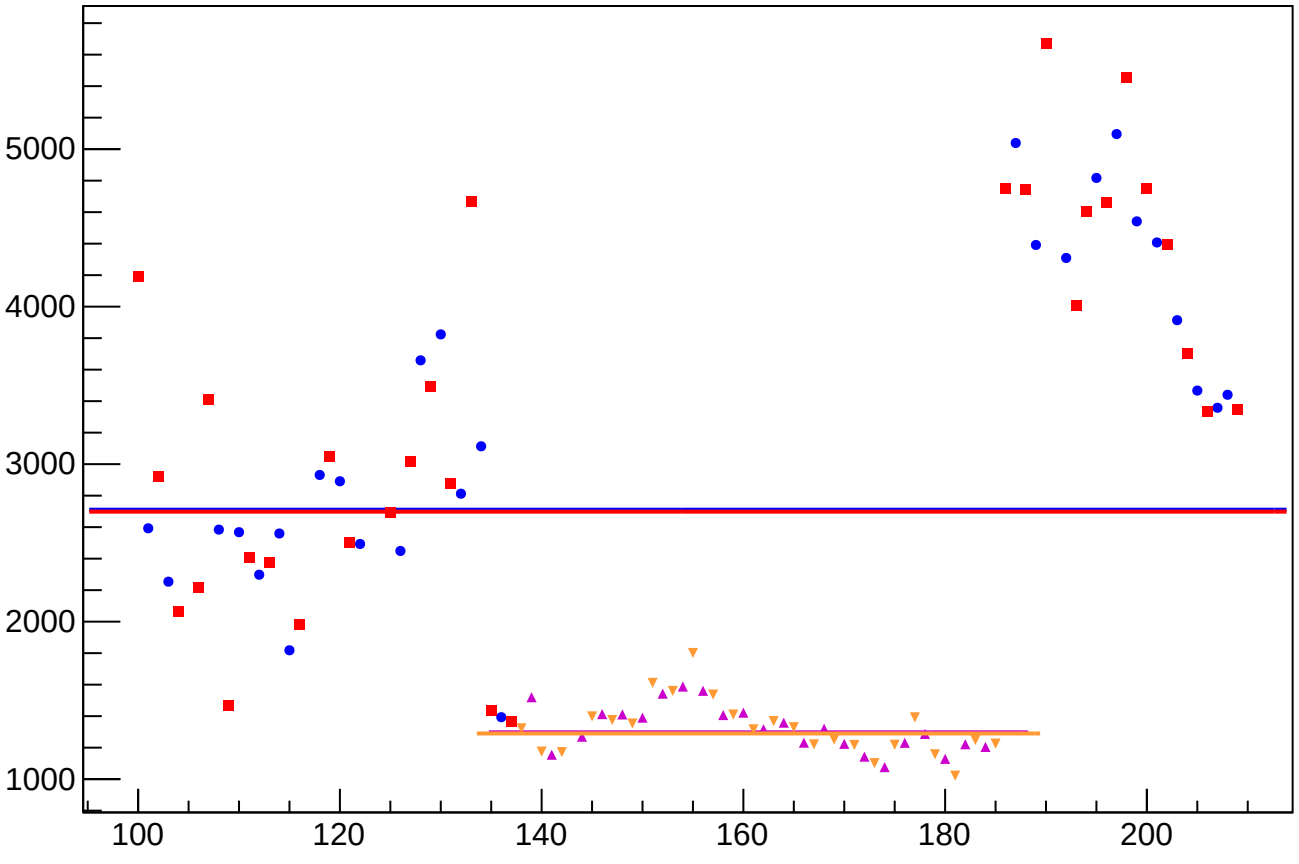
Right Out: -1644.315+/-718.994 χ^2/NDF: 17.0/29

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1272.596+/-279.563 χ^2/NDF: 101.3/50

All: -921.926+/-198.214 χ^2/NDF: 144.5/103

- sign -567.448+/-281.077 χ^2/NDF: 40.0/52



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

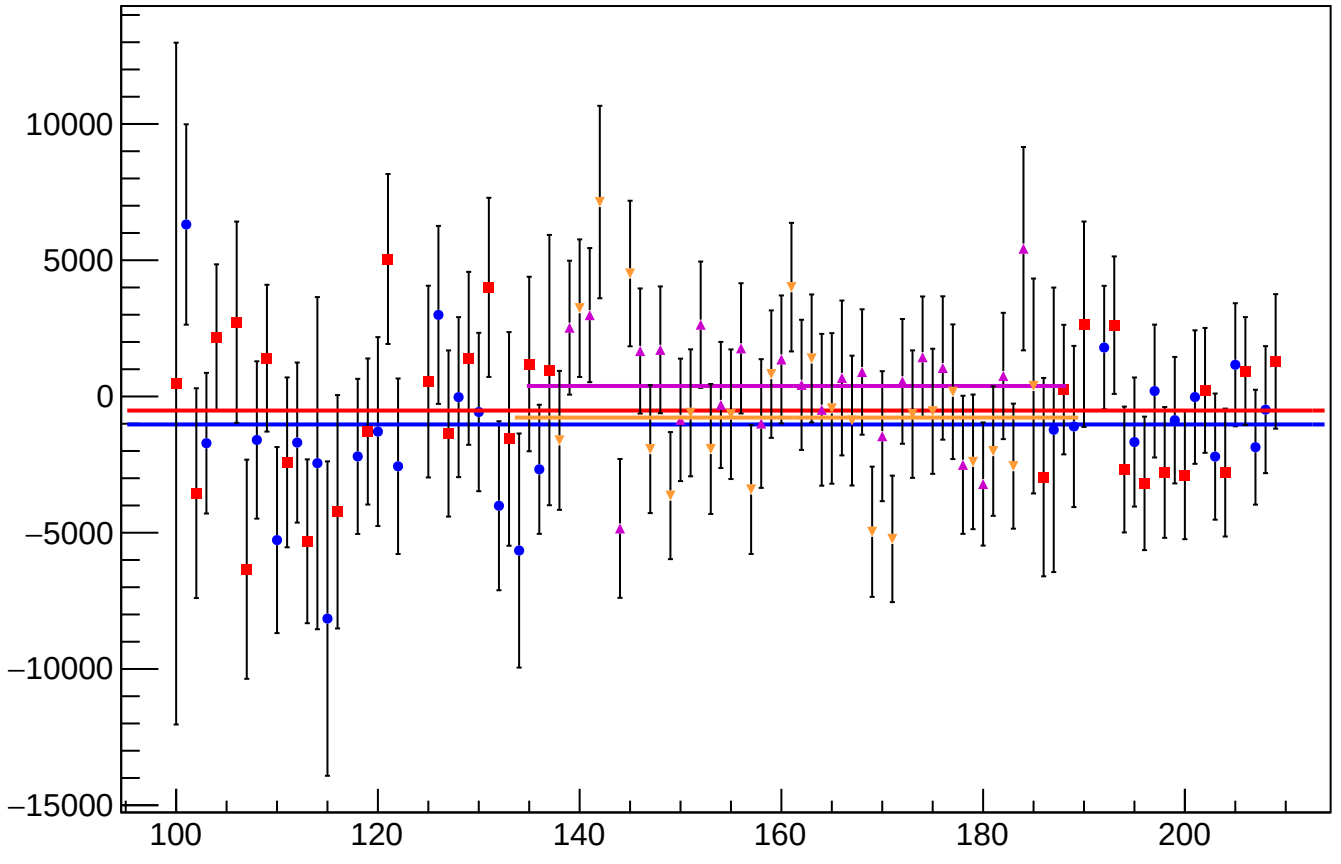
Right Out: 2698.329+/-0.508 χ^2/NDF: 5056628.2/29

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1497.249+/-0.198 χ^2/NDF: 11051712.9/50

All: 1504.360+/-0.140 χ^2/NDF: 22976979.2/1

- sign 1511.548+/-0.199 χ^2/NDF: 11922664.6/52



Right In: -1026.572+/-541.750 χ^2/NDF: 15.4/26

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -516.049+/-530.152 χ^2/NDF: 23.7/29

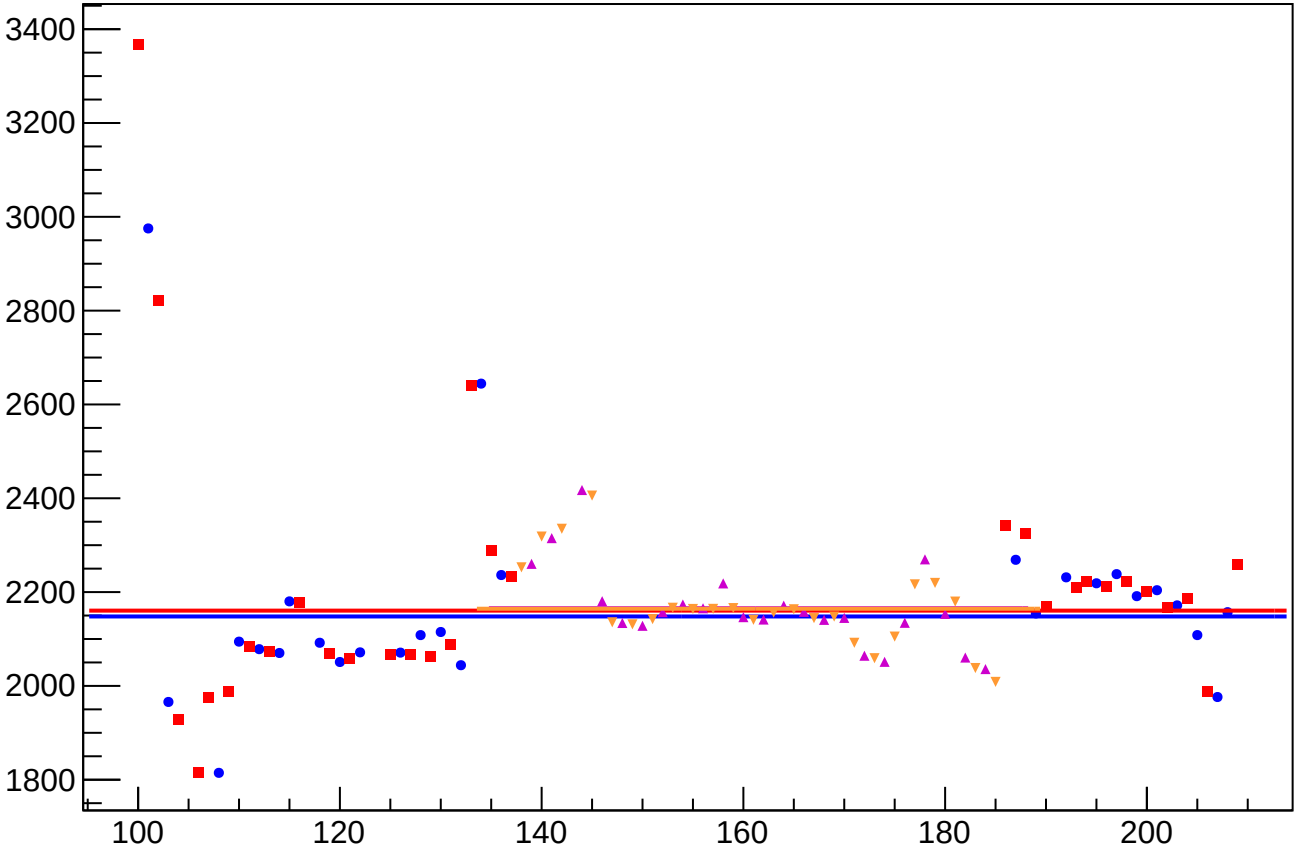
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -890.659+/-368.541 χ^2/NDF: 44.0/50

All: -464.686+/-259.715 χ^2/NDF: 87.5/103

- sign -44.439+/-366.056 χ^2/NDF: 40.8/52

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.8/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

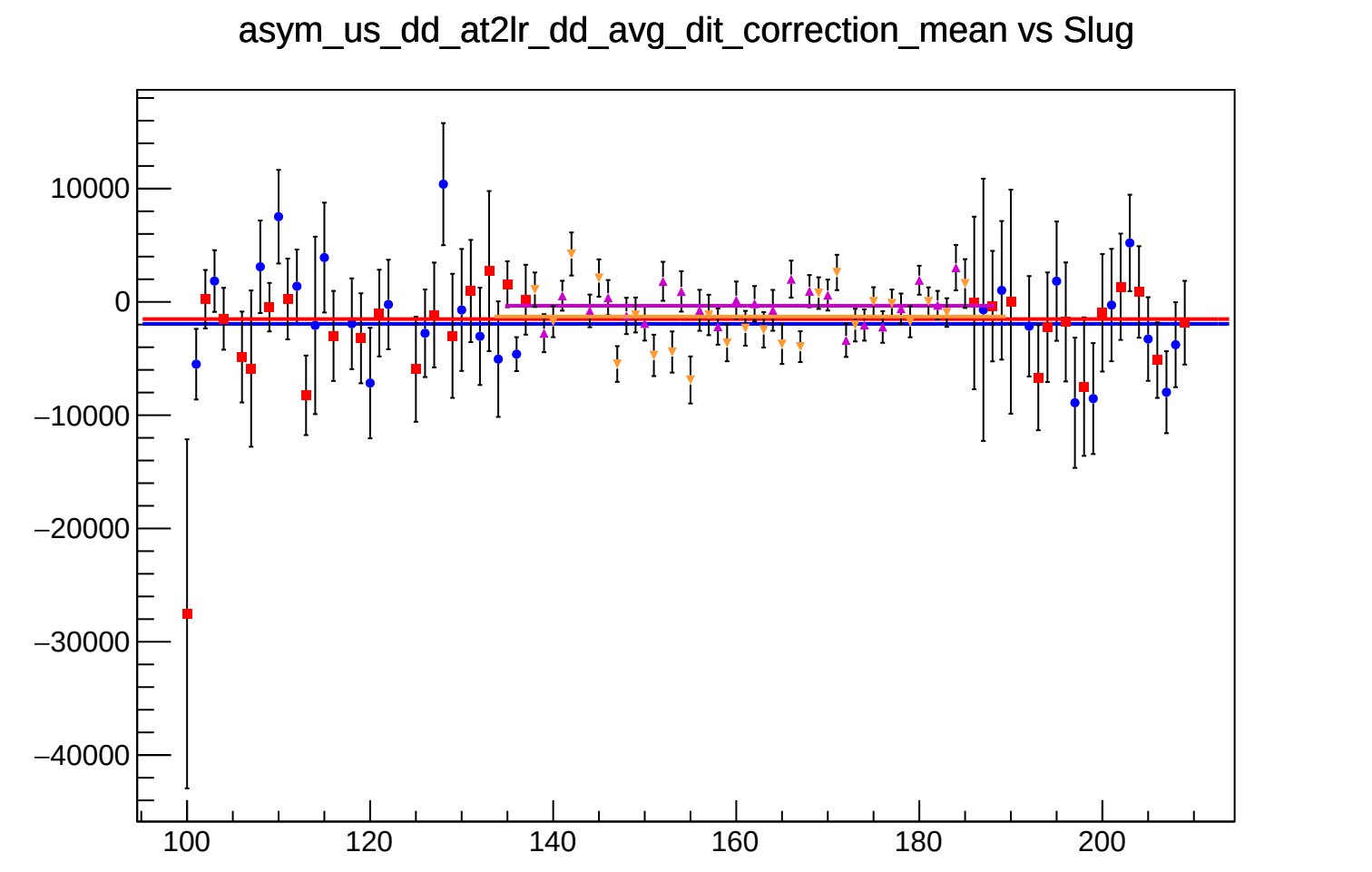
Right Out: 2160.492+/-0.375 χ^2/NDF: 207539.8/29

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2156.895+/-0.261 χ^2/NDF: 252690.1/50

All: 2160.062+/-0.184 χ^2/NDF: 512746.7/103

- sign 2163.187+/-0.259 χ^2/NDF: 259763.1/52



Right In: -1940.054+/-732.705 χ^2/NDF: 32.9/26

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

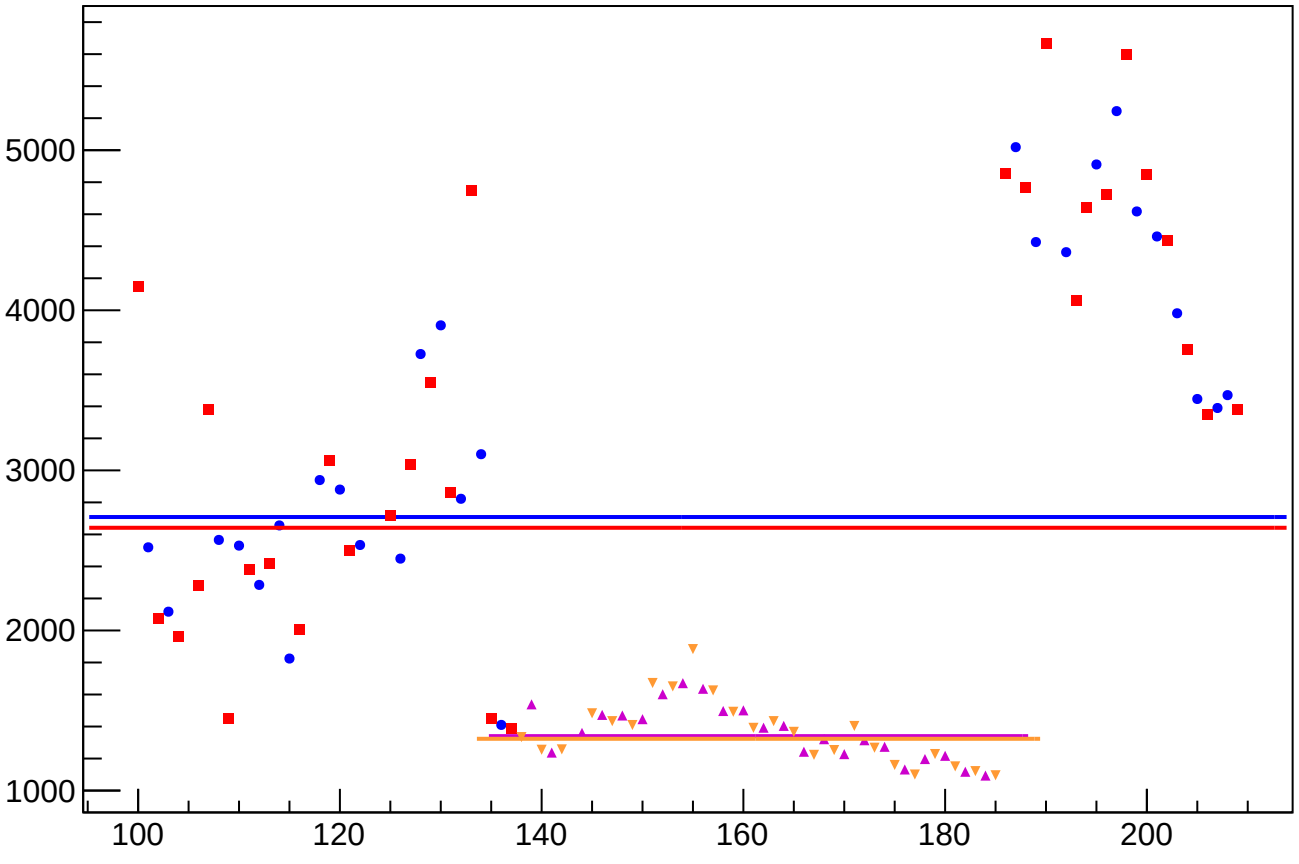
Right Out: -1513.198+/-704.174 χ^2/NDF: 17.4/29

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1392.182+/-285.984 χ^2/NDF: 92.3/50

All: -967.679+/-202.920 χ^2/NDF: 141.2/103

- sign -537.254+/-287.972 χ^2/NDF: 44.5/52



Right In: 2708.642+/-0.518 χ^2/NDF: 4137044.6/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

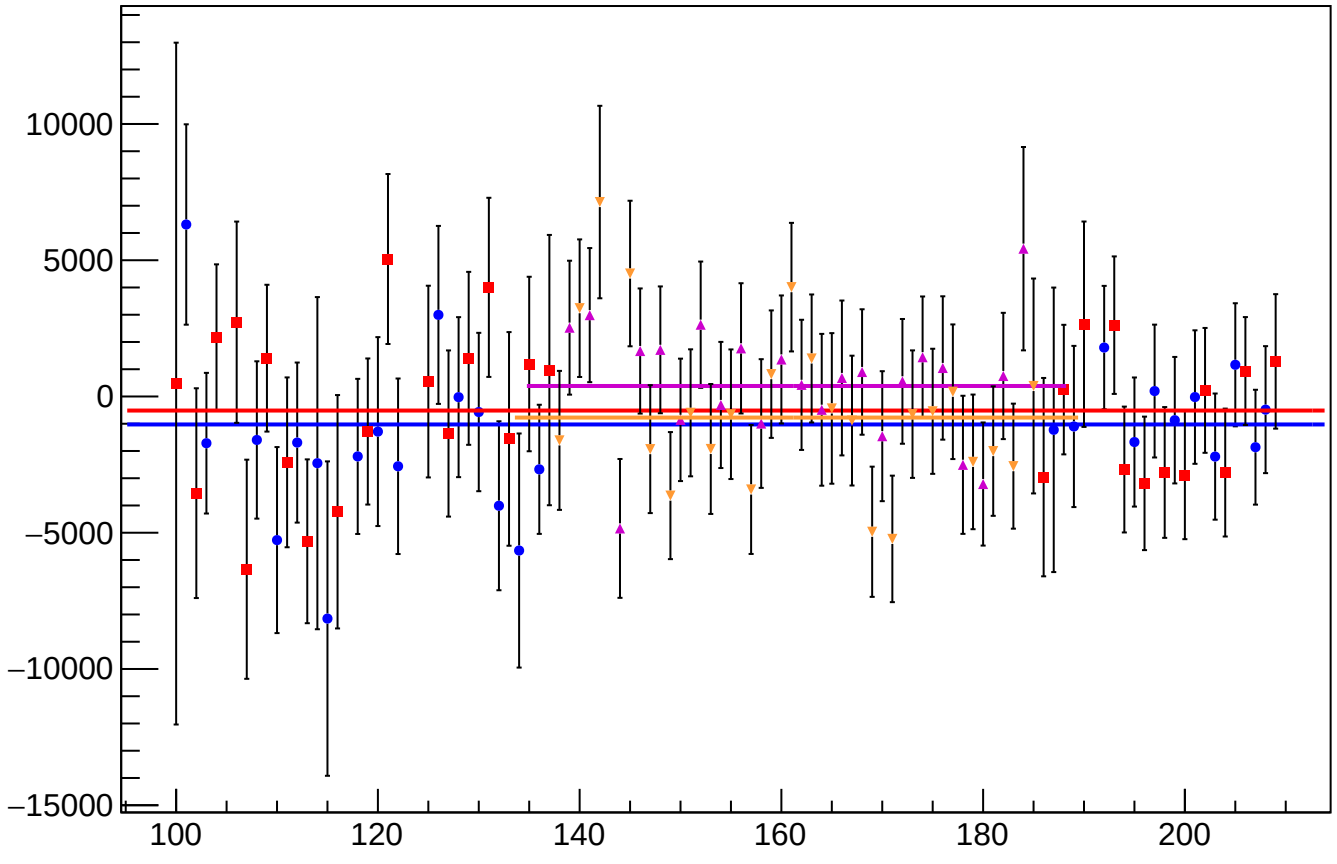
Right Out: 2641.528+/-0.498 χ^2/NDF: 5289130.6/29

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1534.435+/-0.202 χ^2/NDF: 10860461.3/50

All: 1546.006+/-0.143 χ^2/NDF: 22339524.0/1

- sign 1557.738+/-0.204 χ^2/NDF: 11472469.1/52



Right In: -1026.569+/-541.750 χ^2/NDF: 15.4/26

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -516.047+/-530.152 χ^2/NDF: 23.7/29

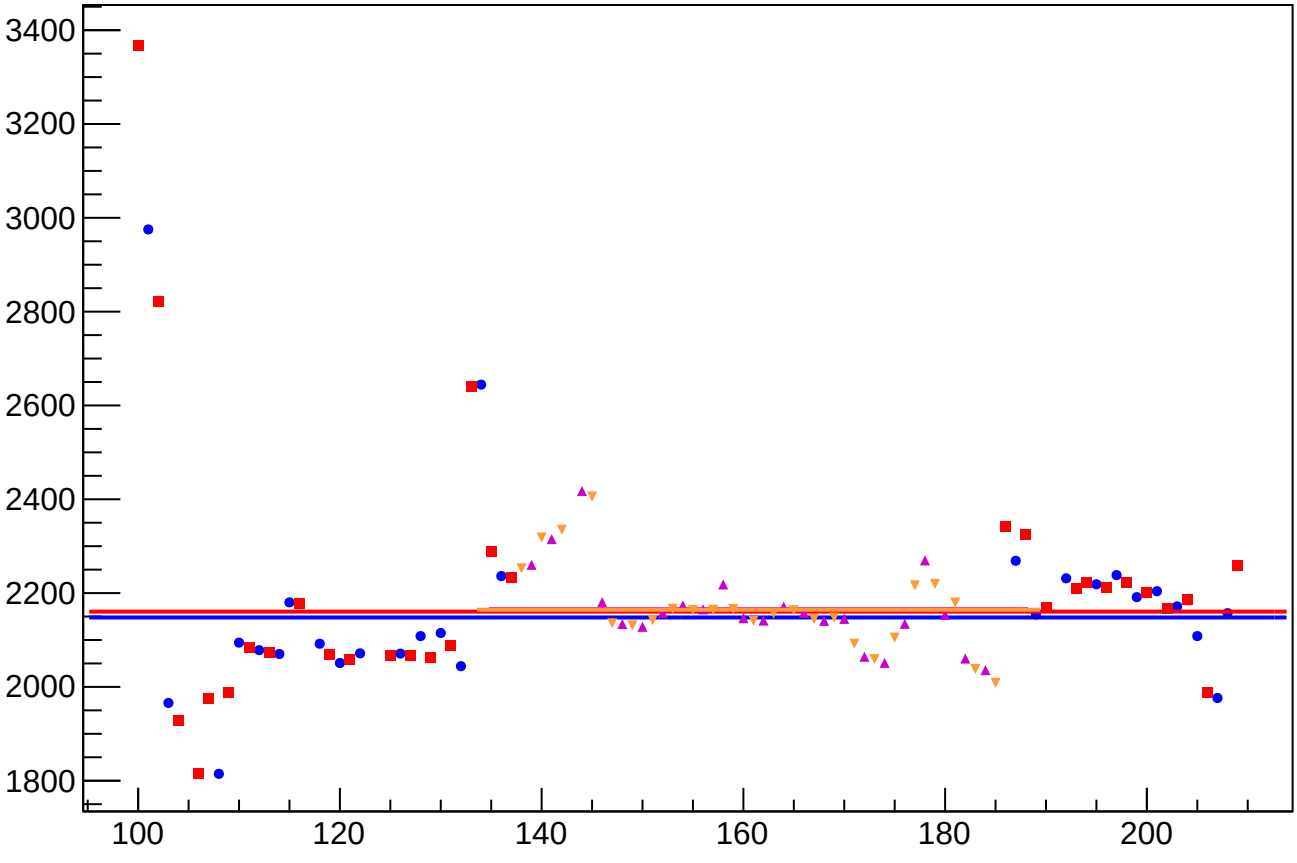
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -890.656+/-368.541 χ^2/NDF: 44.0/50

All: -464.685+/-259.715 χ^2/NDF: 87.5/103

- sign -44.438+/-366.056 χ^2/NDF: 40.8/52

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.7/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

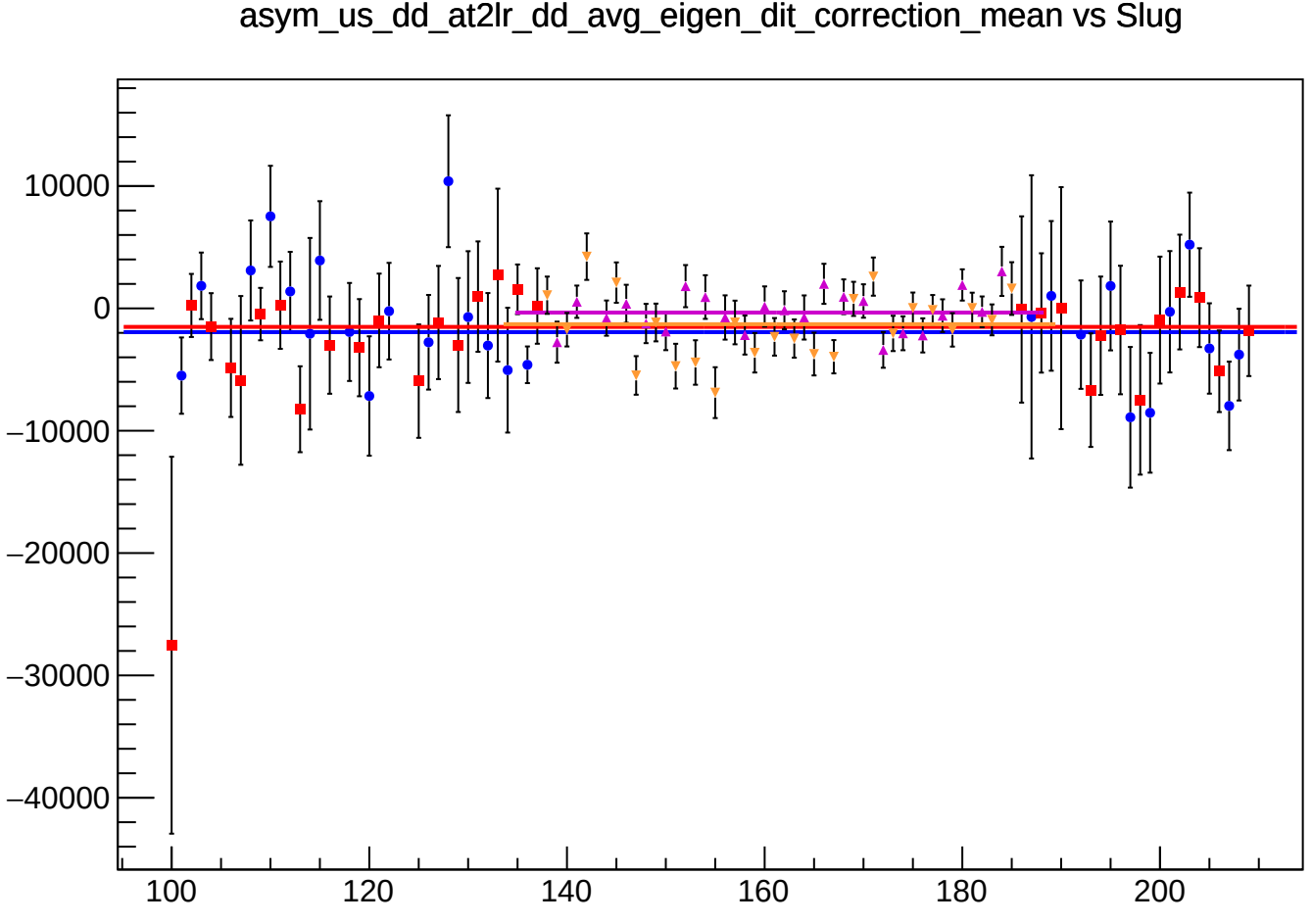
Right Out: 2160.492+/-0.375 χ^2/NDF: 207539.7/29

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2156.895+/-0.261 χ^2/NDF: 252690.1/50

All: 2160.062+/-0.184 χ^2/NDF: 512746.5/103

- sign 2163.187+/-0.259 χ^2/NDF: 259763.0/52



Right In: -1940.047+/-732.707 χ^2/NDF: 32.9/26

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

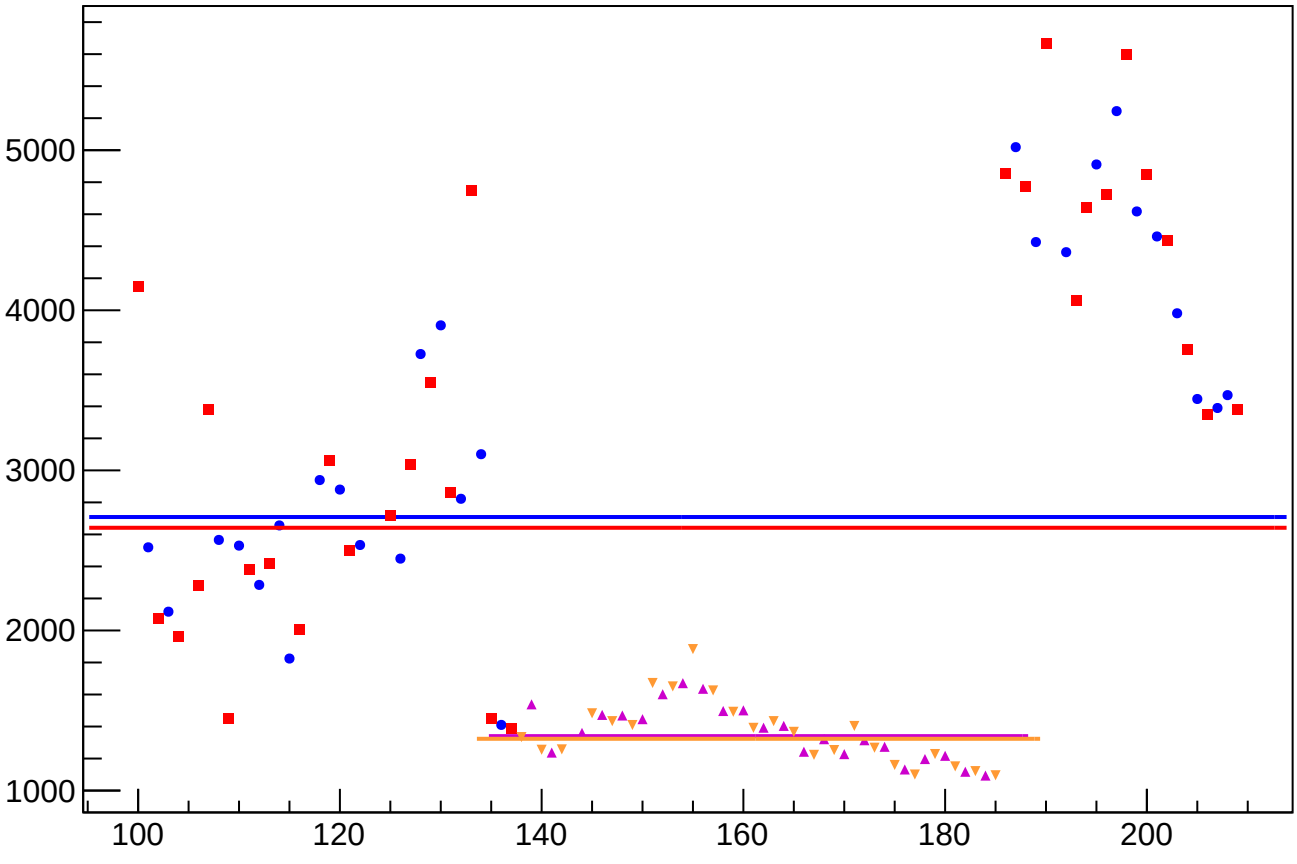
Right Out: -1513.212+/-704.176 χ^2/NDF: 17.4/29

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1392.181+/-285.984 χ^2/NDF: 92.3/50

All: -967.678+/-202.920 χ^2/NDF: 141.2/103

- sign -537.253+/-287.972 χ^2/NDF: 44.5/52



Right In: 2708.653+/-0.518 χ^2/NDF: 4136948.1/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2641.541+/-0.498 χ^2/NDF: 5289041.2/29

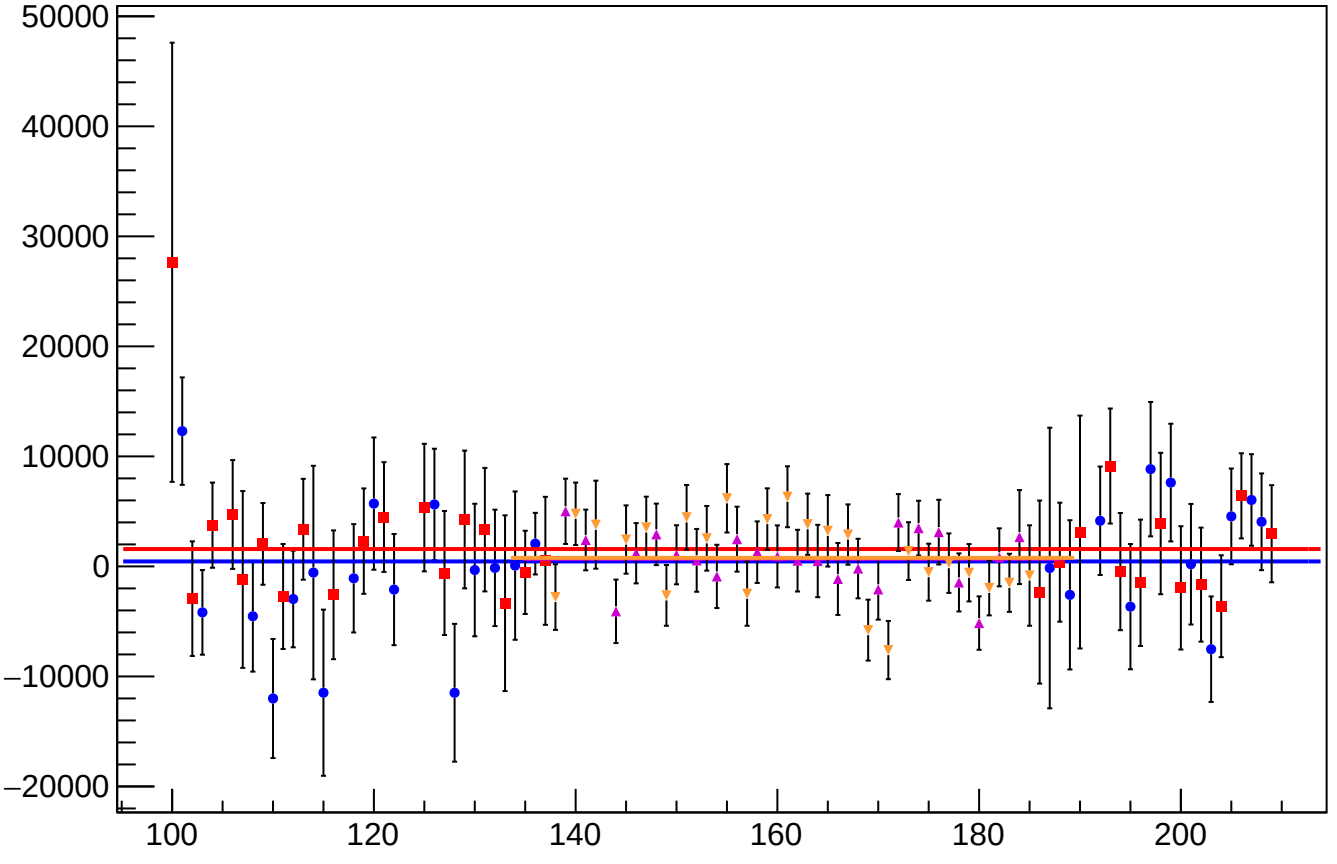
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1534.436+/-0.202 χ^2/NDF: 10860438.0/50

All: 1546.006+/-0.143 χ^2/NDF: 22339512.2/1

- sign 1557.738+/-0.204 χ^2/NDF: 11472481.4/52

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 453.259+/-976.144 χ^2/NDF: 34.0/26

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1578.441+/-957.511 χ^2/NDF: 13.4/29

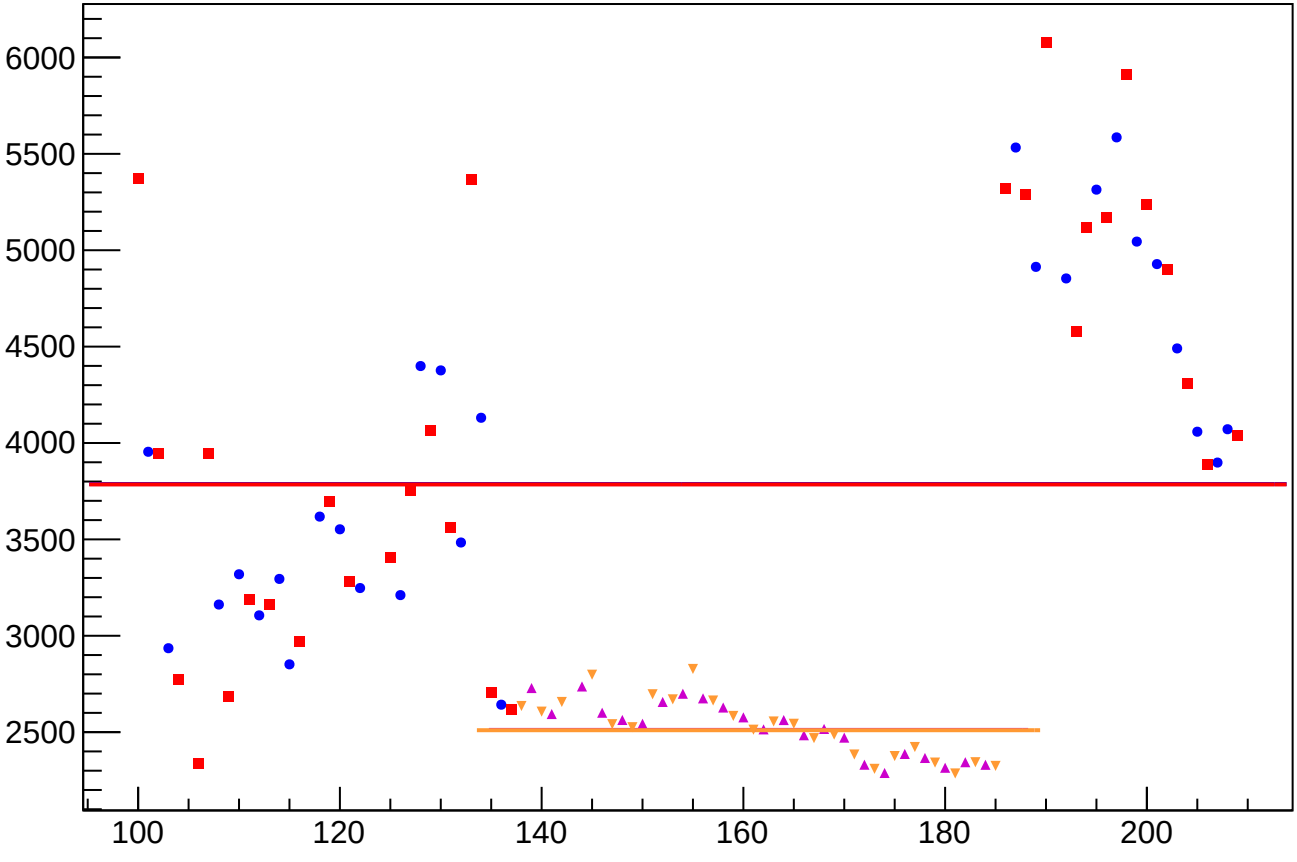
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 690.103+/-500.963 χ^2/NDF: 73.4/50

All: 811.580+/-354.145 χ^2/NDF: 105.9/103

\- sign 932.936+/-500.712 χ^2/NDF: 32.3/52

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3787.086+/-0.690 χ^2/NDF: 1430317.1/26

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

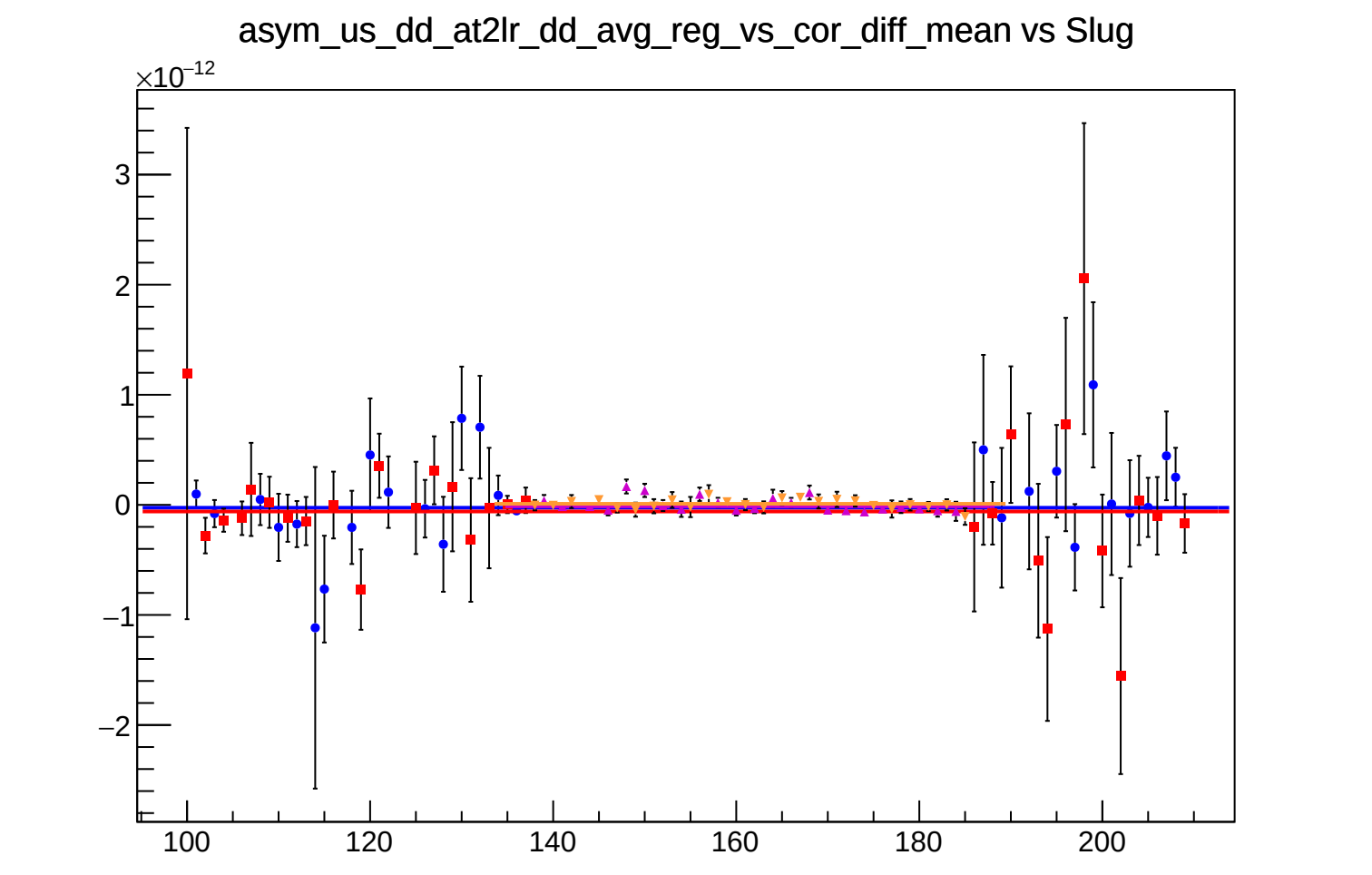
Right Out: 3785.122+/-0.677 χ^2/NDF: 2048360.5/29

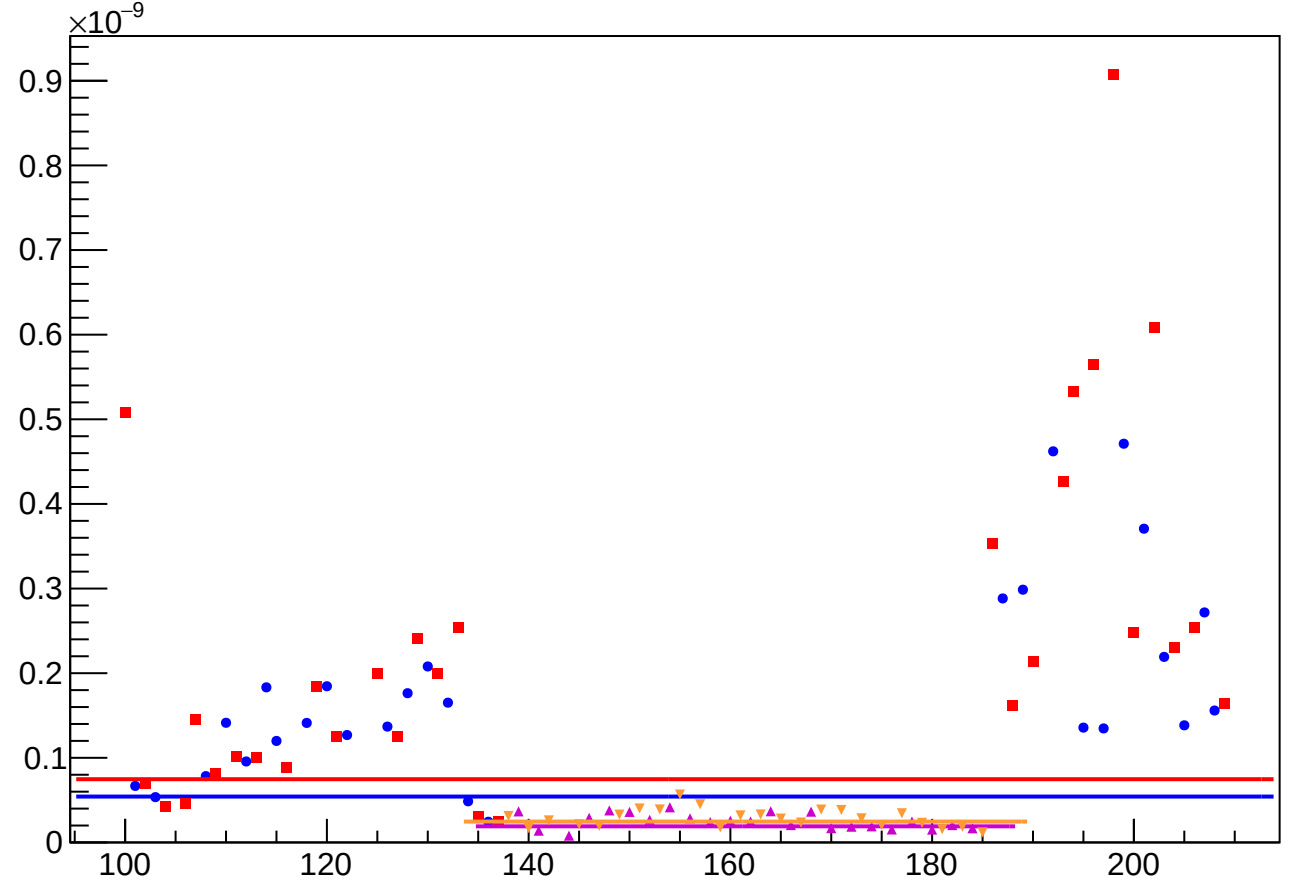
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2846.411+/-0.354 χ^2/NDF: 4080338.8/50

All: 2853.142+/-0.250 χ^2/NDF: 8813385.4/10

- sign 2859.866+/-0.354 χ^2/NDF: 4732324.8/52


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: 19.8/26
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/29
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 33.0/50
All: -0.000+/-0.000 χ²/NDF: 90.6/103
- sign -0.000+/-0.000 χ²/NDF: 54.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 6076286.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

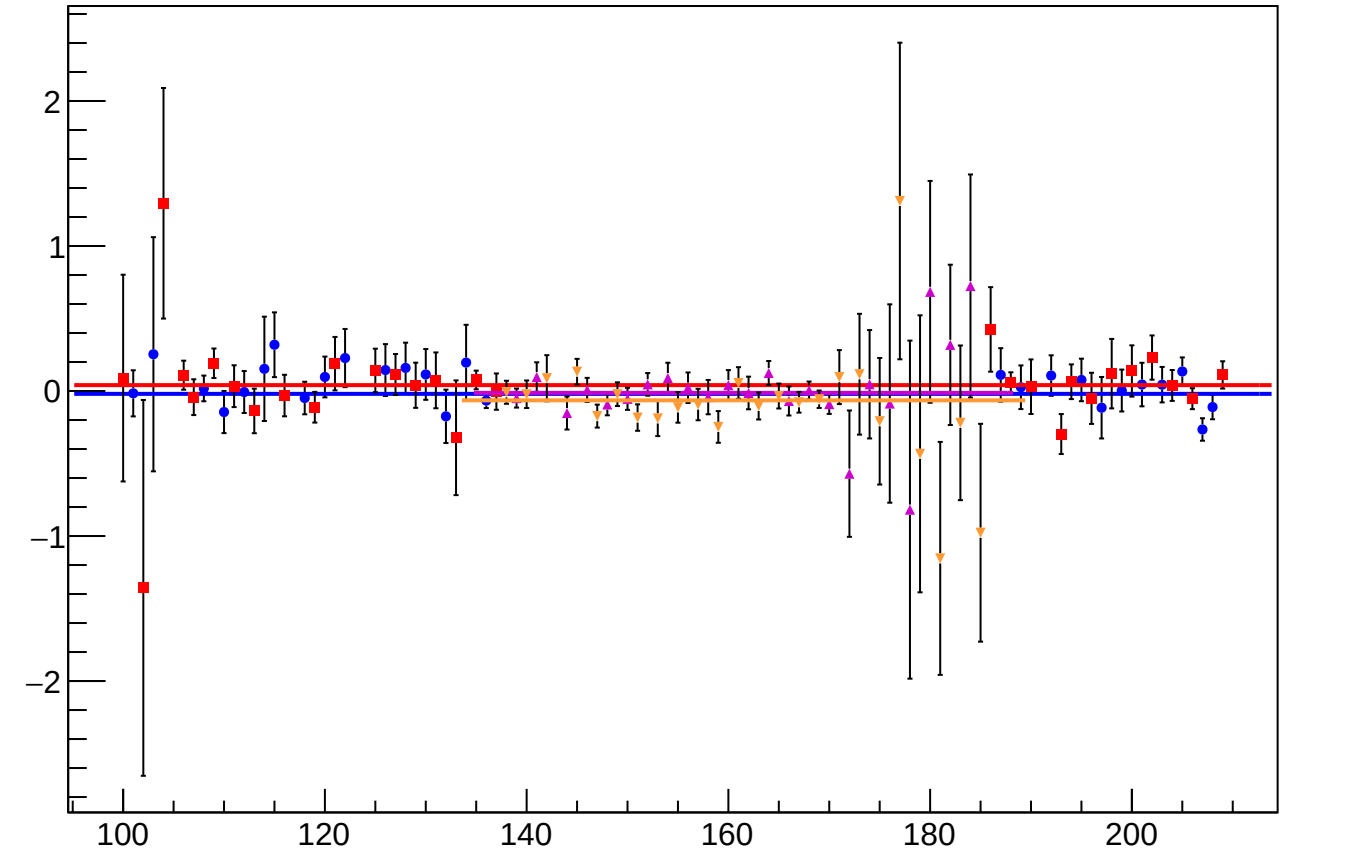
Right Out: 0.000+/-0.000 χ^2/NDF: 7252486.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8942373.7/50

All: 0.000+/-0.000 χ^2/NDF: 22297806.8/103

- sign 0.000+/-0.000 χ^2/NDF: 12936704.6/52



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

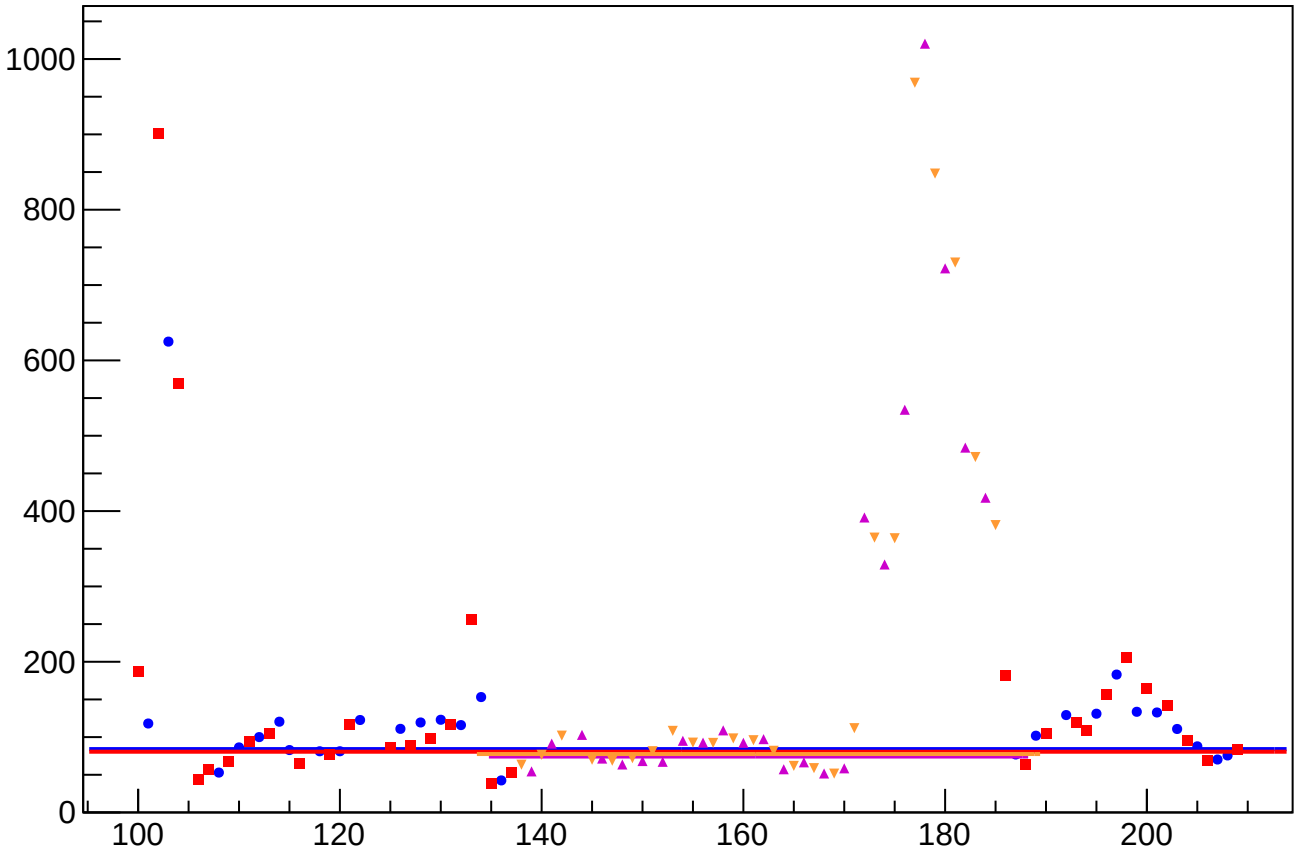
Right Out: 0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.015+/-0.011 χ^2/NDF: 100.4/103

- sign 0.012+/-0.016 χ^2/NDF: 43.3/52



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.618+/-0.016 χ^2/NDF: 6045607.9/29

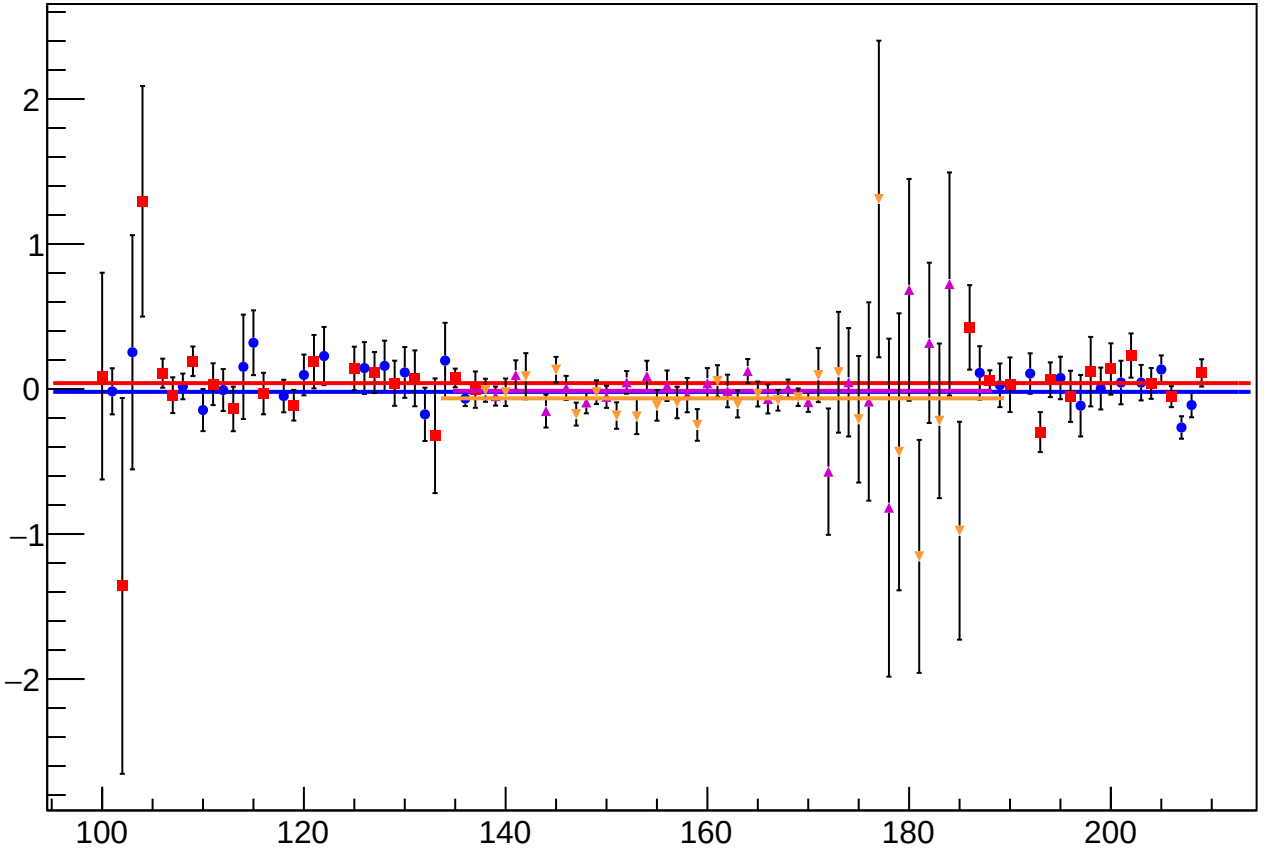
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.546+/-0.012 χ^2/NDF: 13001410.3/50

All: 78.765+/-0.008 χ^2/NDF: 27690656.6/103

- sign 77.132+/-0.011 χ^2/NDF: 14643345.0/52

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

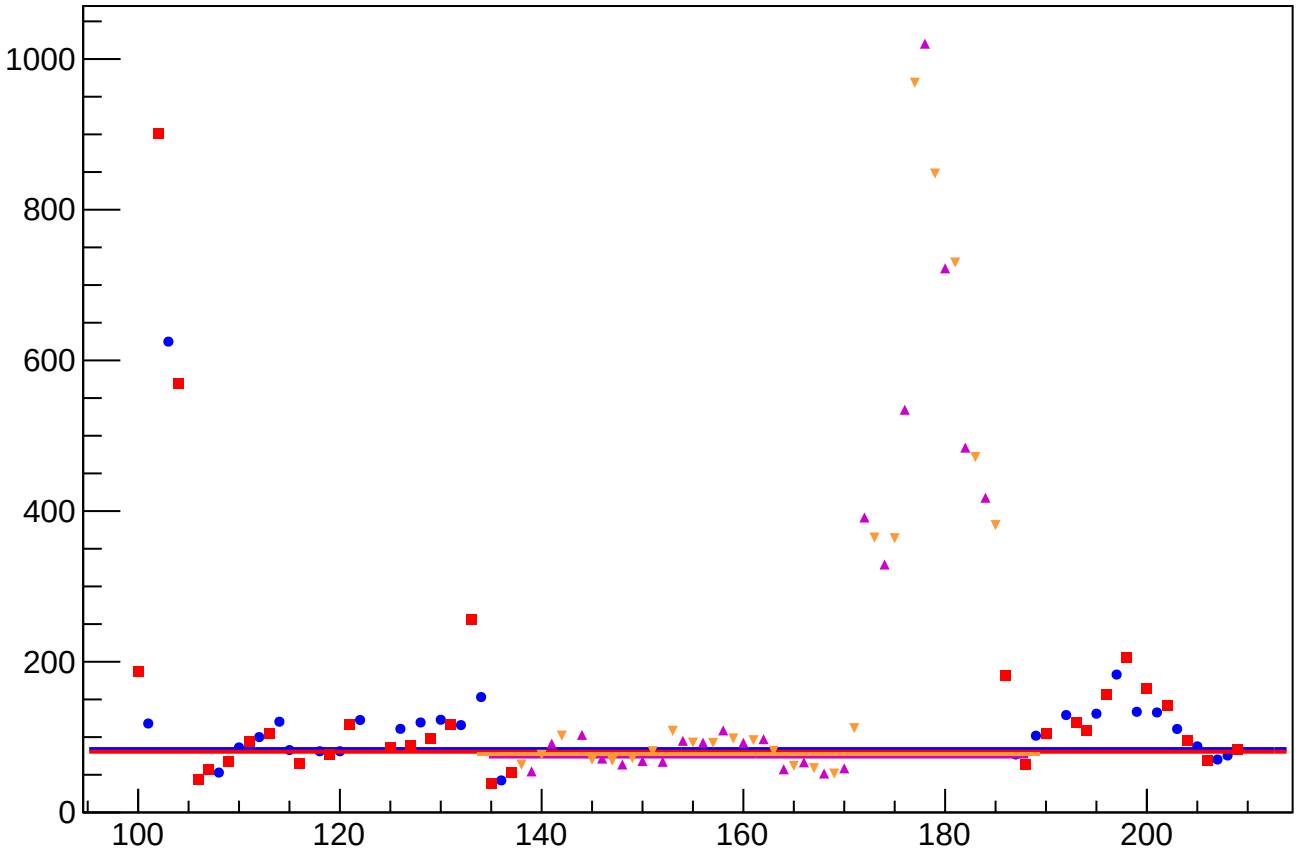
Right Out: 0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.015+/-0.011 χ^2/NDF: 100.4/103

- sign 0.012+/-0.016 χ^2/NDF: 43.3/52



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

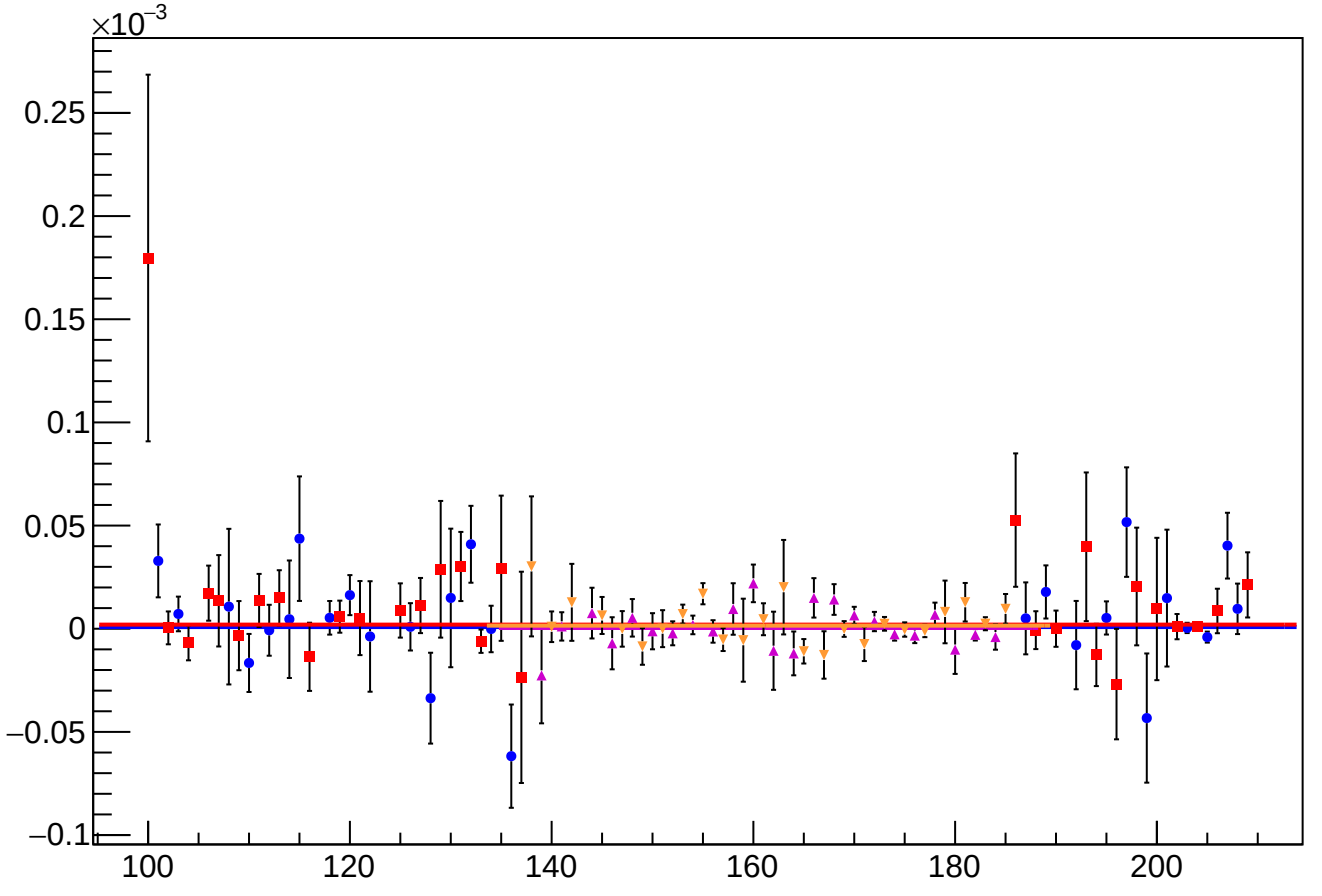
Right Out: 80.618+/-0.016 χ^2/NDF: 6045607.9/29

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.546+/-0.012 χ^2/NDF: 13001410.3/50

All: 78.765+/-0.008 χ^2/NDF: 27690656.6/103

- sign 77.132+/-0.011 χ^2/NDF: 14643345.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

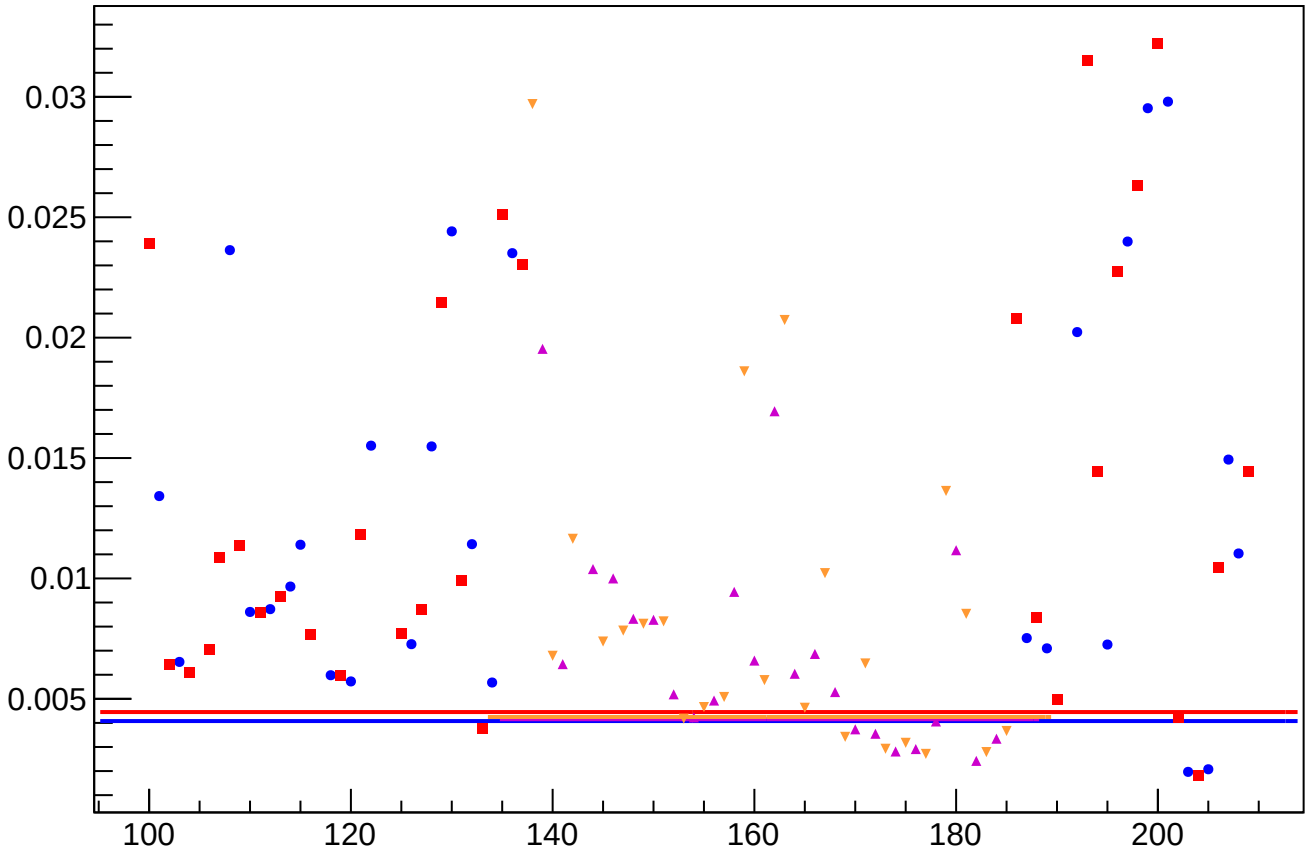
Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/29

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/50

All: 0.000+/-0.000 χ^2/NDF: 119.7/103

- sign 0.000+/-0.000 χ^2/NDF: 50.4/52



Right In: 0.004+/-0.000 χ^2/NDF: 14892853.0/26

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

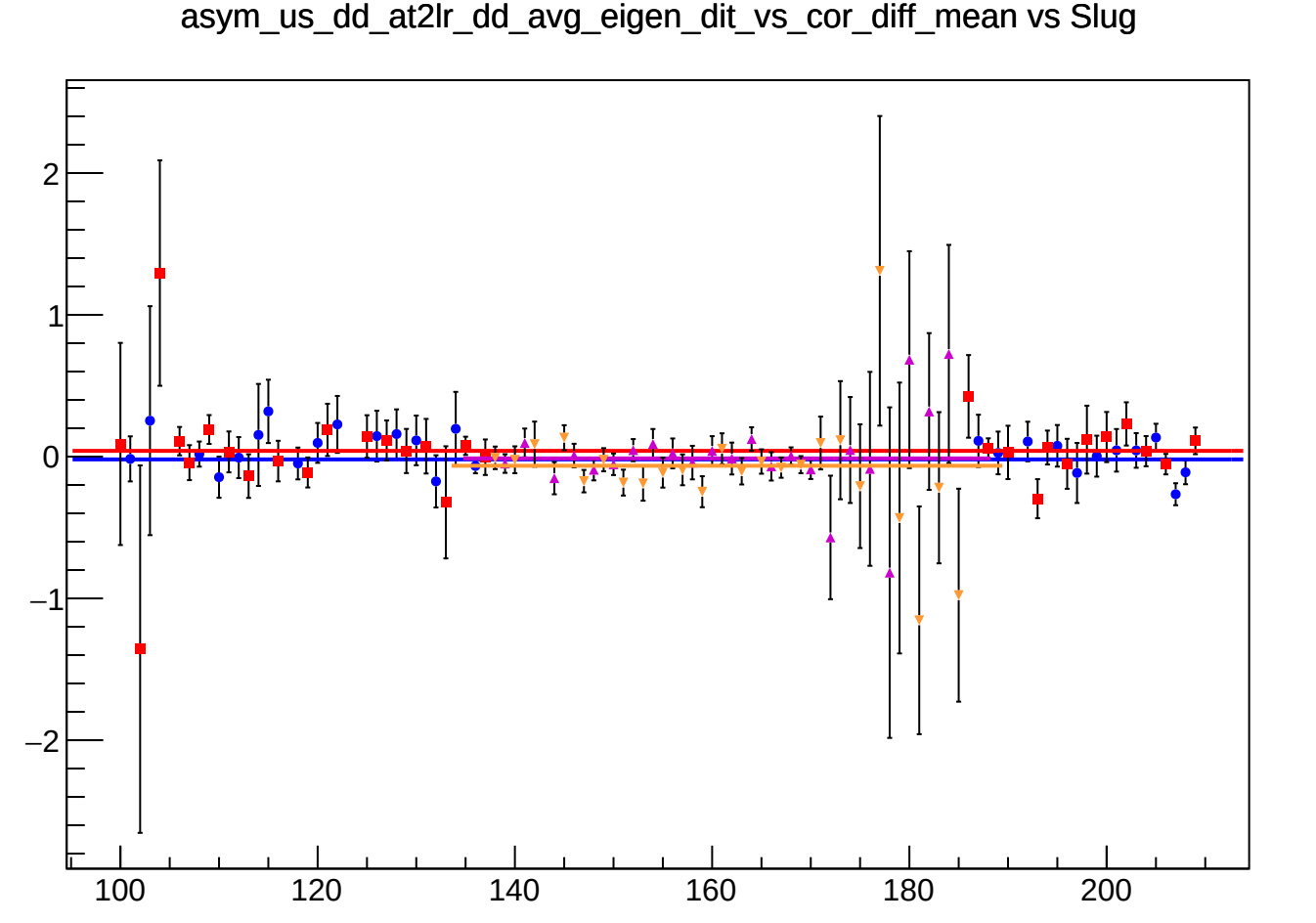
Right Out: 0.004+/-0.000 χ^2/NDF: 14748645.8/29

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 23559008.7/50

All: 0.004+/-0.000 χ^2/NDF: 45248794.7/103

- sign 0.004+/-0.000 χ^2/NDF: 21682340.0/52



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

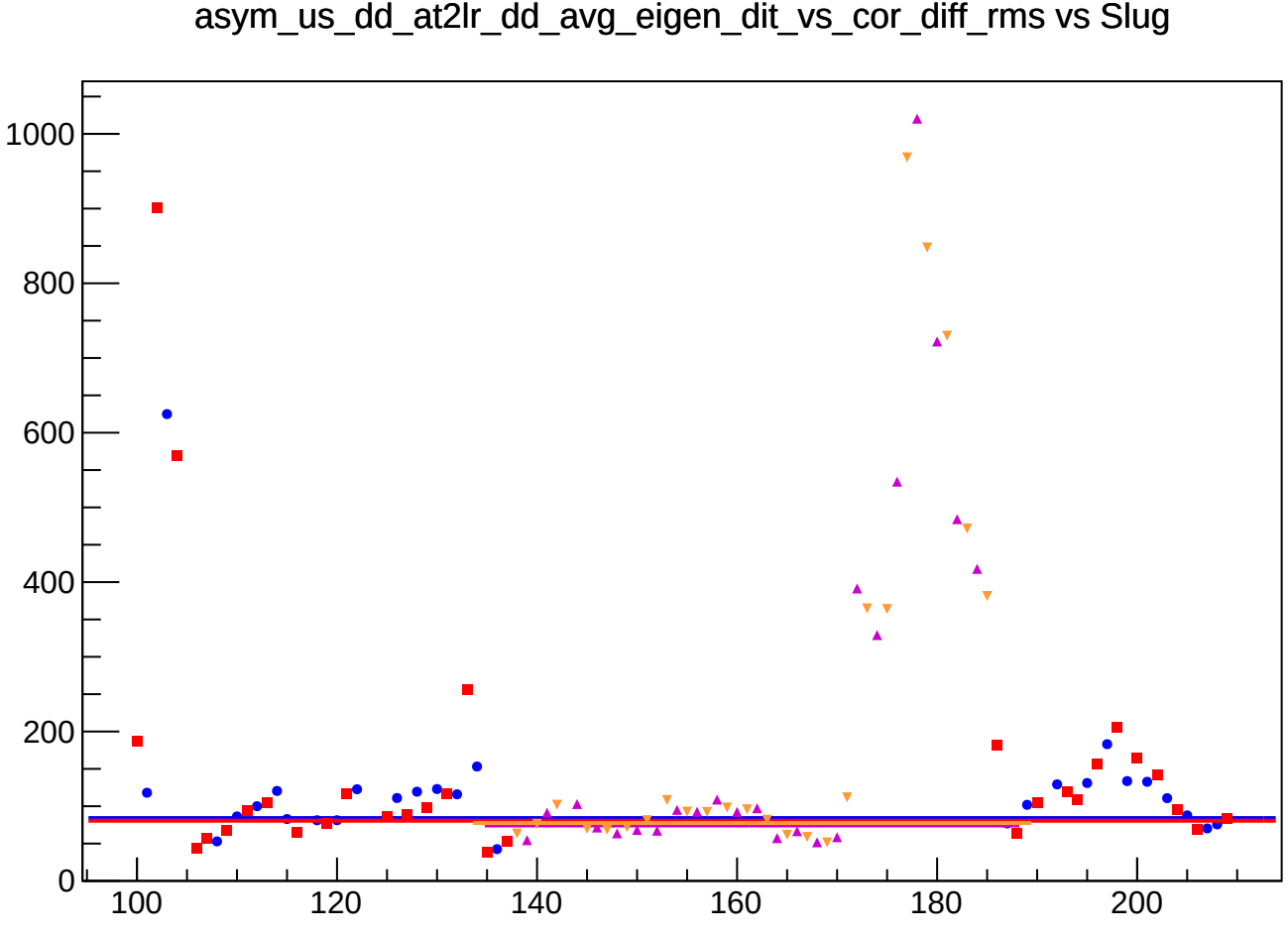
Right Out: 0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.015+/-0.011 χ^2/NDF: 100.4/103

- sign 0.012+/-0.016 χ^2/NDF: 43.3/52



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.611+/-0.016 χ^2/NDF: 6047194.5/29

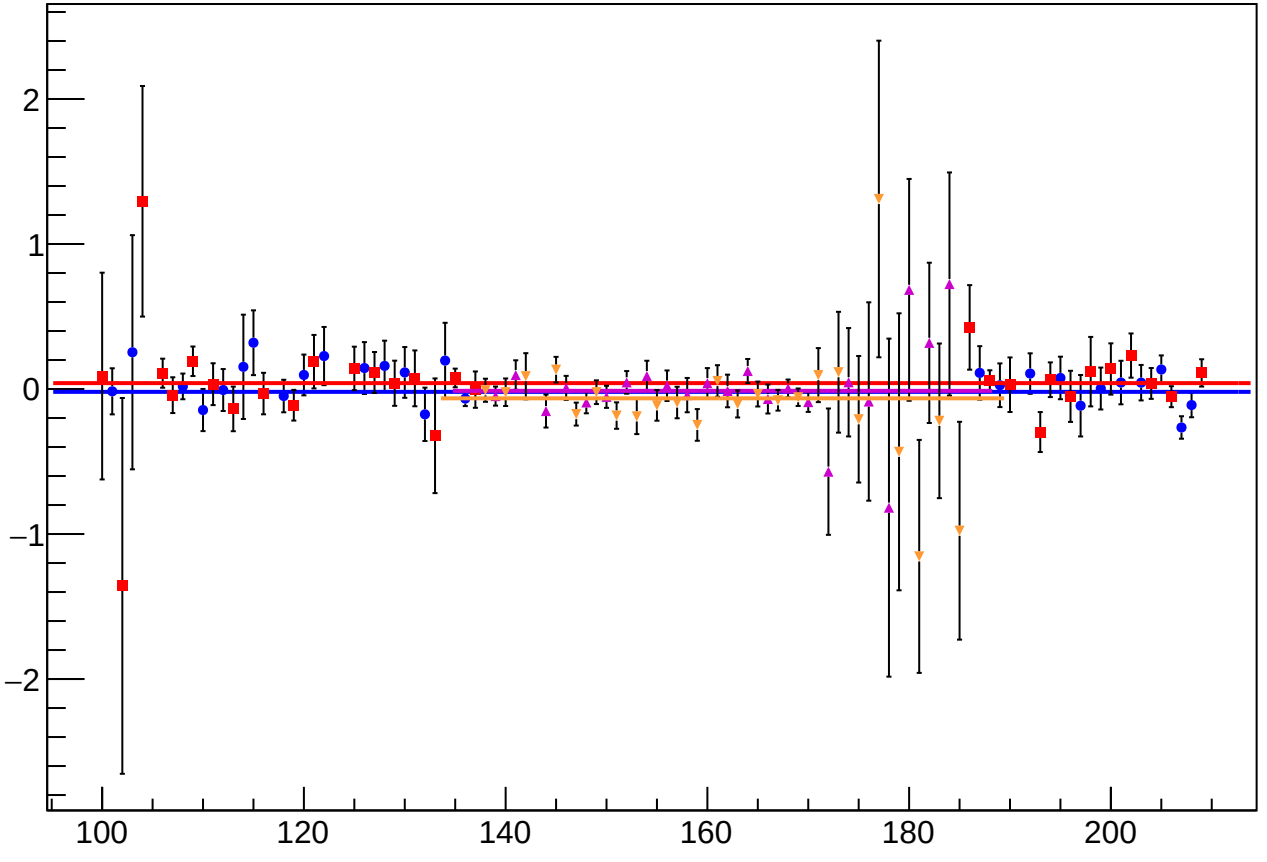
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.553+/-0.012 χ^2/NDF: 12998335.7/50

All: 78.767+/-0.008 χ^2/NDF: 27688913.3/103

- sign 77.130+/-0.011 χ^2/NDF: 14644441.6/52

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

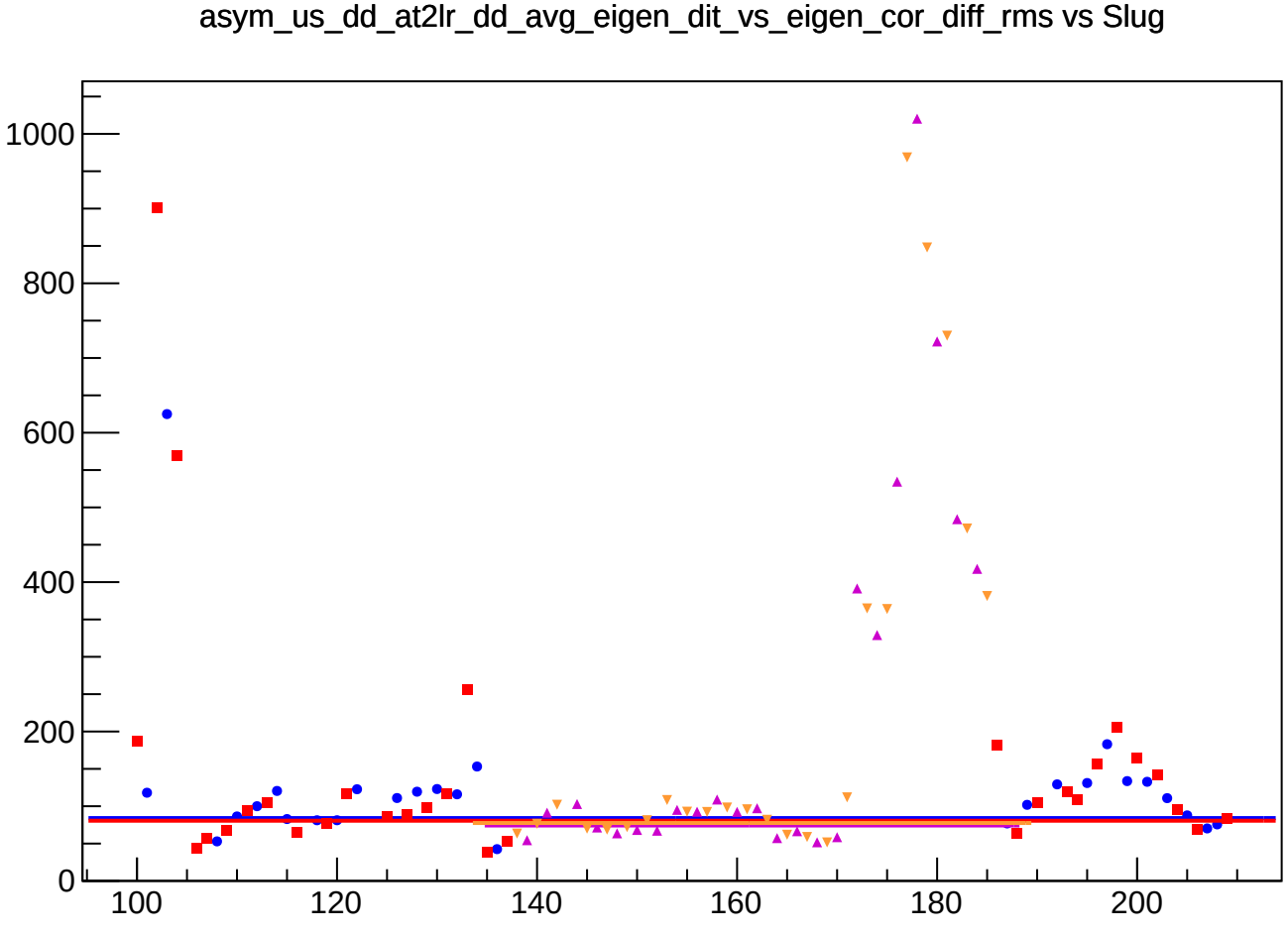
Right Out: 0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.016 χ^2/NDF: 51.0/50

All: -0.015+/-0.011 χ^2/NDF: 100.4/103

- sign 0.012+/-0.016 χ^2/NDF: 43.3/52



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

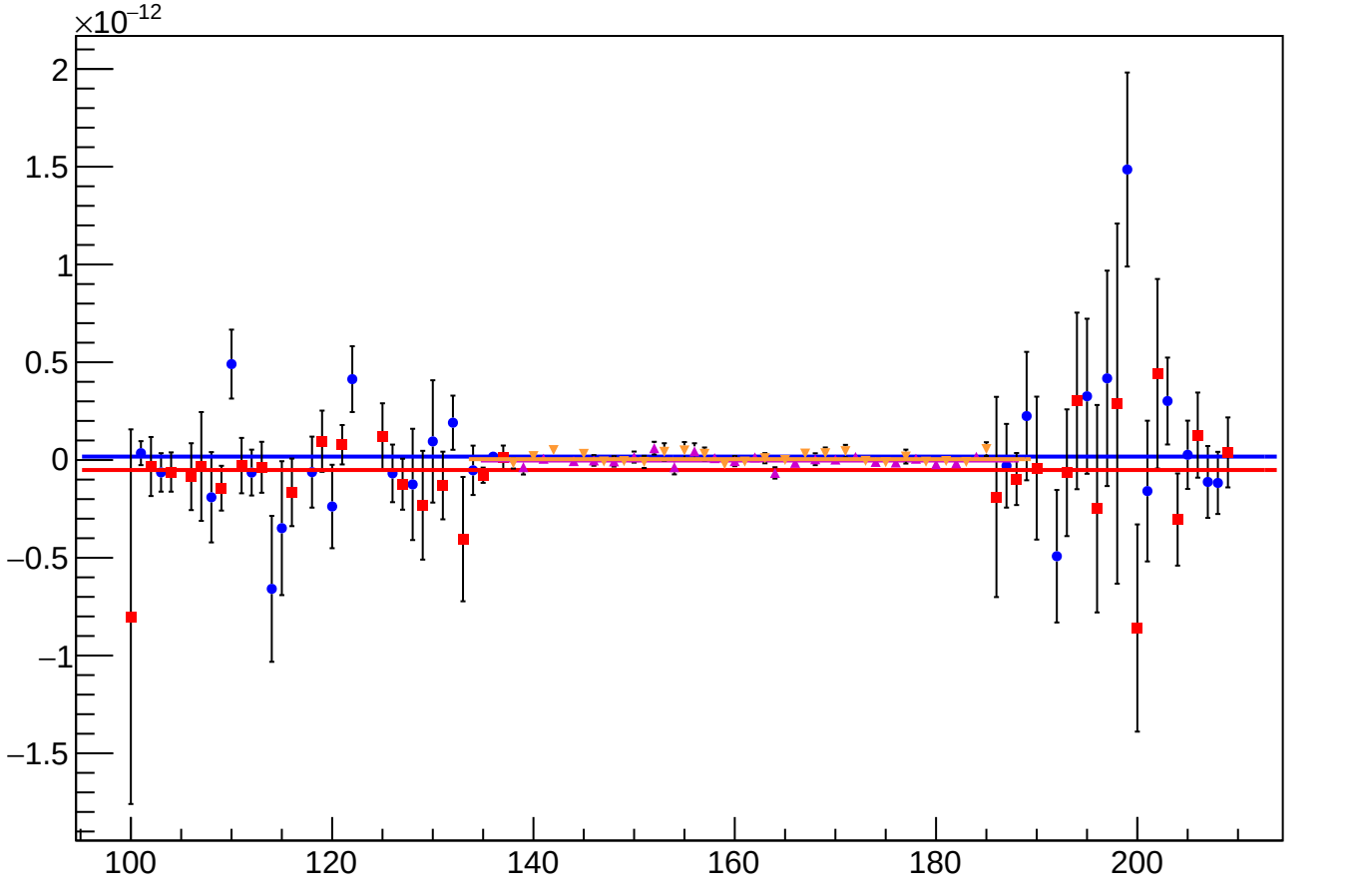
Right Out: 80.611+/-0.016 χ^2/NDF: 6047194.5/29

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.553+/-0.012 χ^2/NDF: 12998335.7/50

All: 78.767+/-0.008 χ^2/NDF: 27688913.3/103

- sign 77.130+/-0.011 χ^2/NDF: 14644441.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

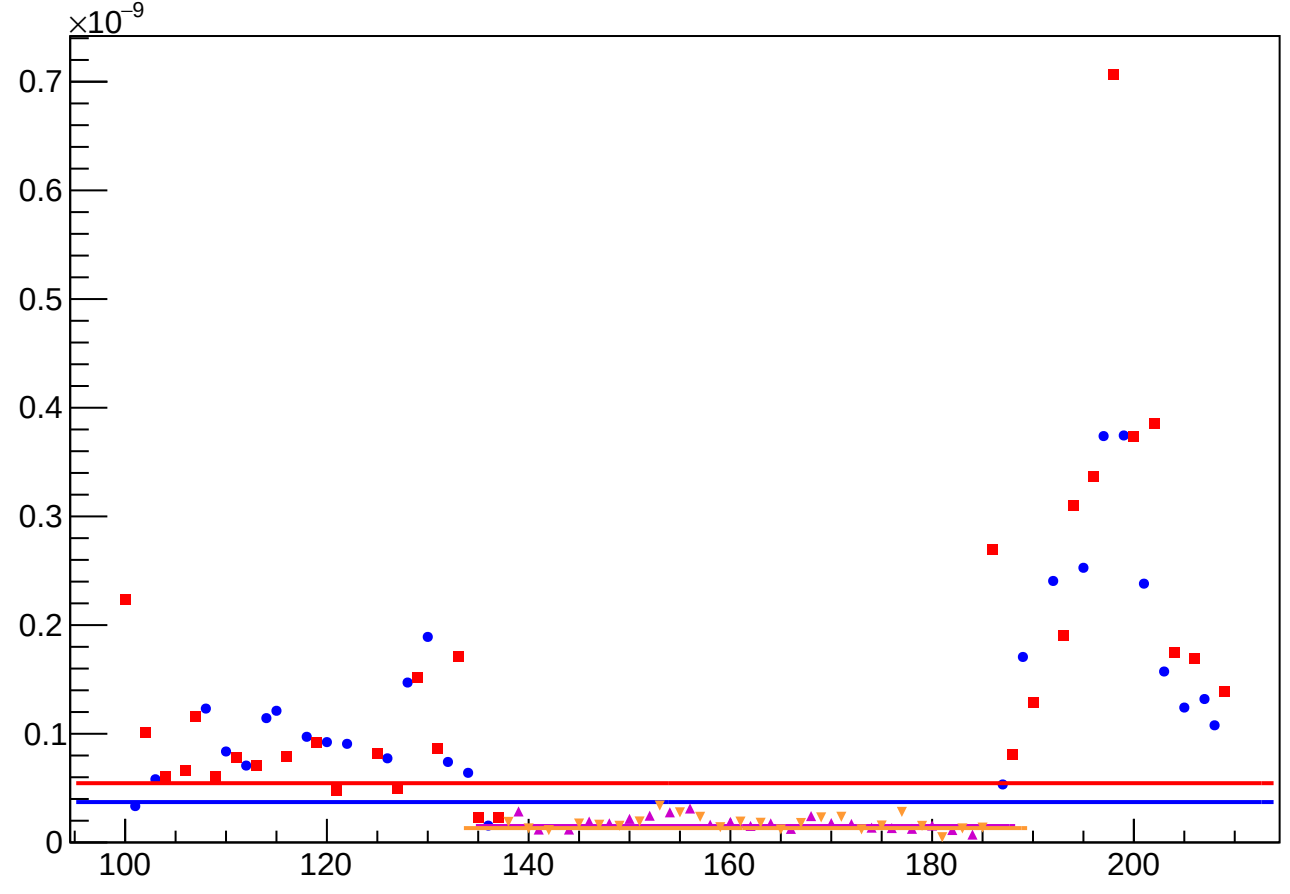
Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/29

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.2/50

All: 0.000+/-0.000 χ^2/NDF: 100.7/103

- sign -0.000+/-0.000 χ^2/NDF: 37.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 10328342.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

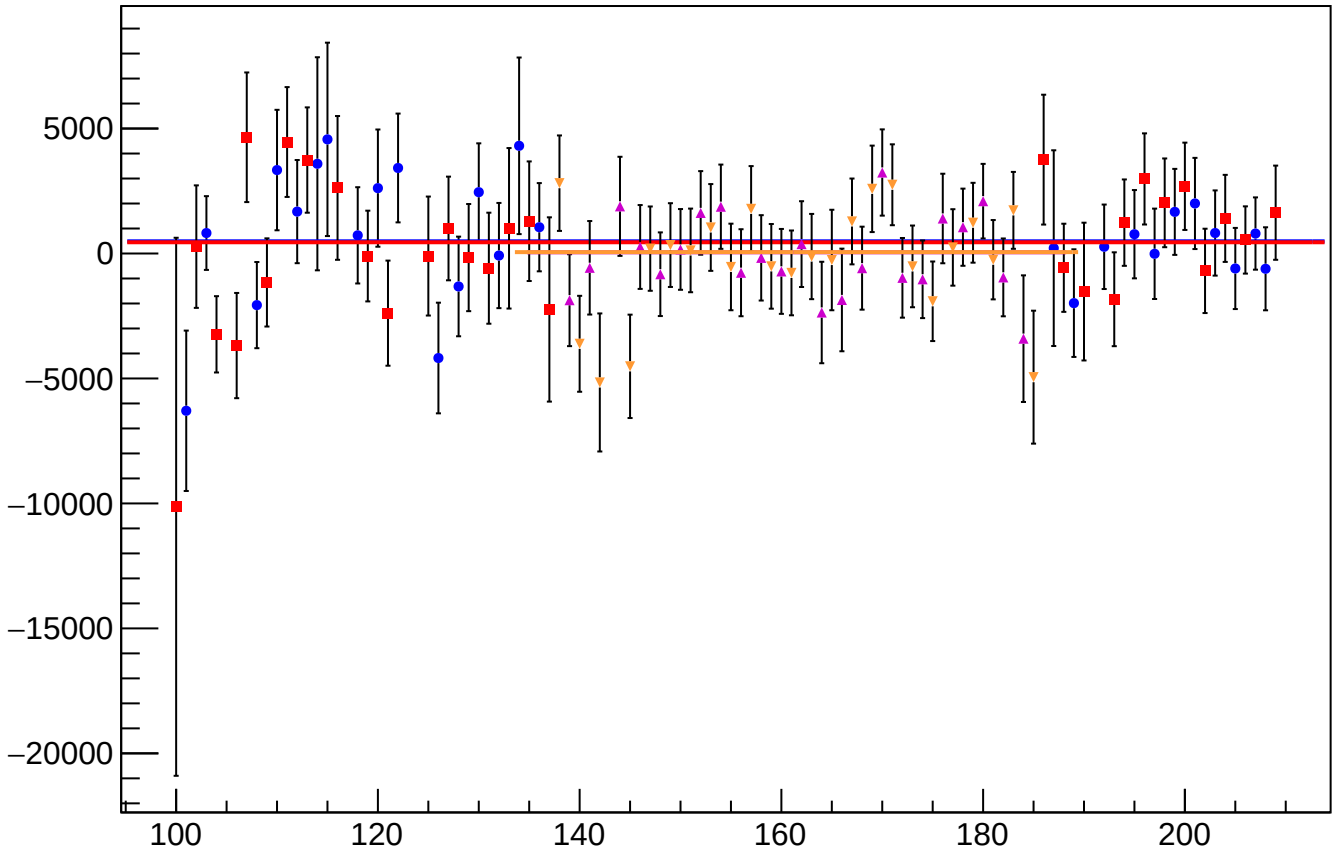
Right Out: 0.000+/-0.000 χ^2/NDF: 9378633.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17675785.0/50

All: 0.000+/-0.000 χ^2/NDF: 34804625.5/103

- sign 0.000+/-0.000 χ^2/NDF: 16885202.4/52



Right In: 487.786+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 449.787+/-371.699 χ^2/NDF: 33.1/29

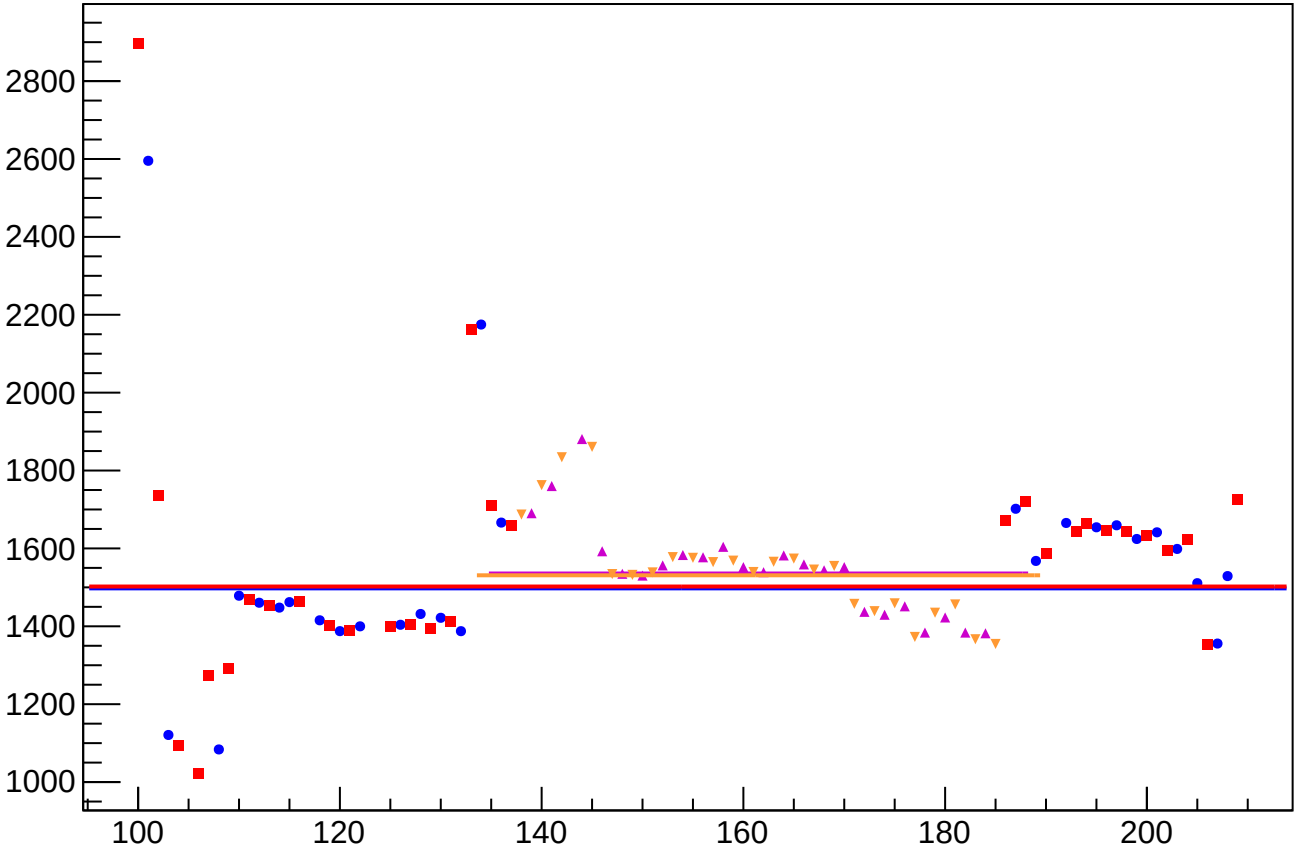
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 256.836+/-260.264 χ^2/NDF: 53.1/50

All: 249.517+/-183.379 χ^2/NDF: 103.6/103

- sign 242.301+/-258.421 χ^2/NDF: 50.5/52

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.4/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

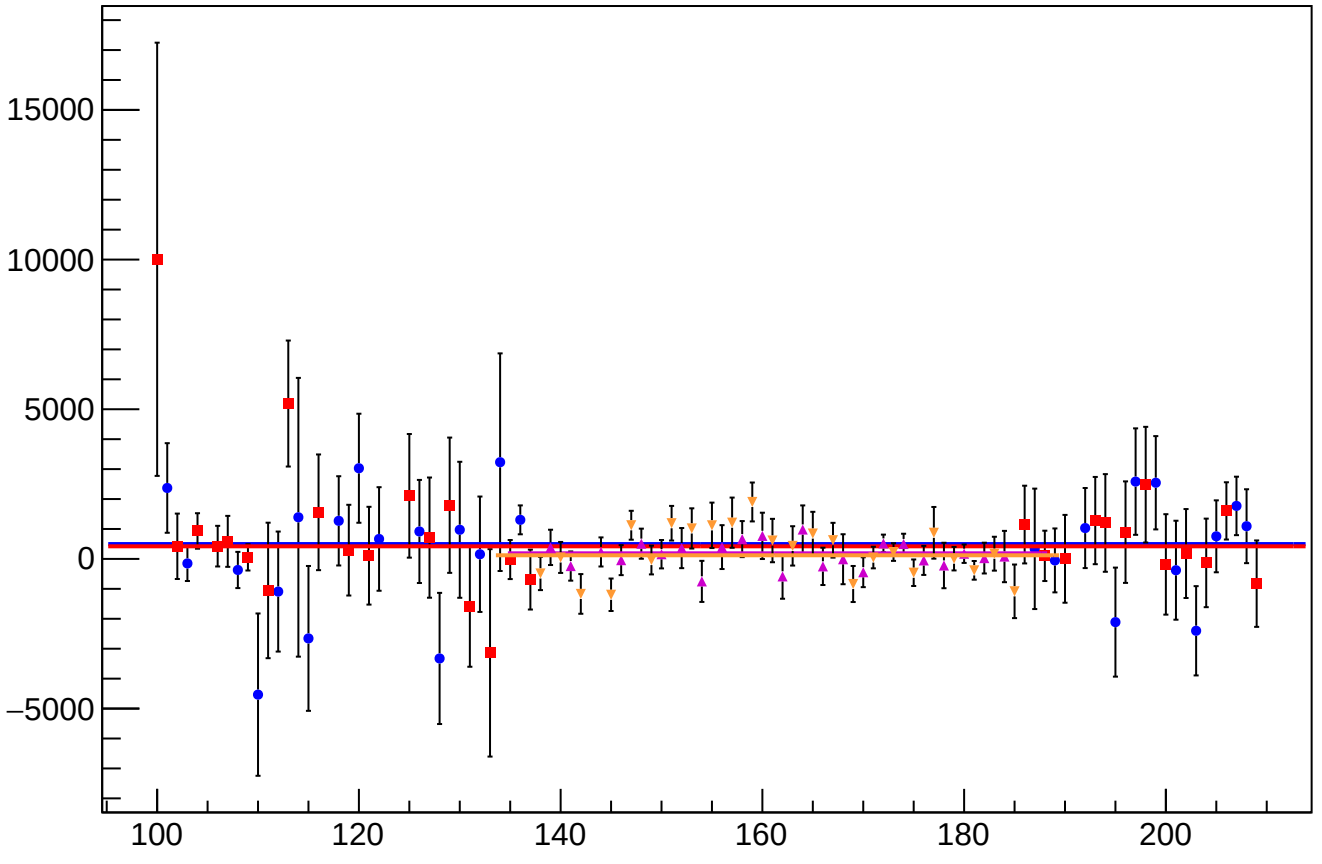
Right Out: 1502.143+/-0.263 χ^2/NDF: 651508.2/29

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF: 920159.7/50

All: 1517.376+/-0.130 χ^2/NDF: 1772695.5/10

- sign 1519.402+/-0.183 χ^2/NDF: 852288.0/52



Right In: 496.055+/-229.053 χ^2/NDF: 31.0/26

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

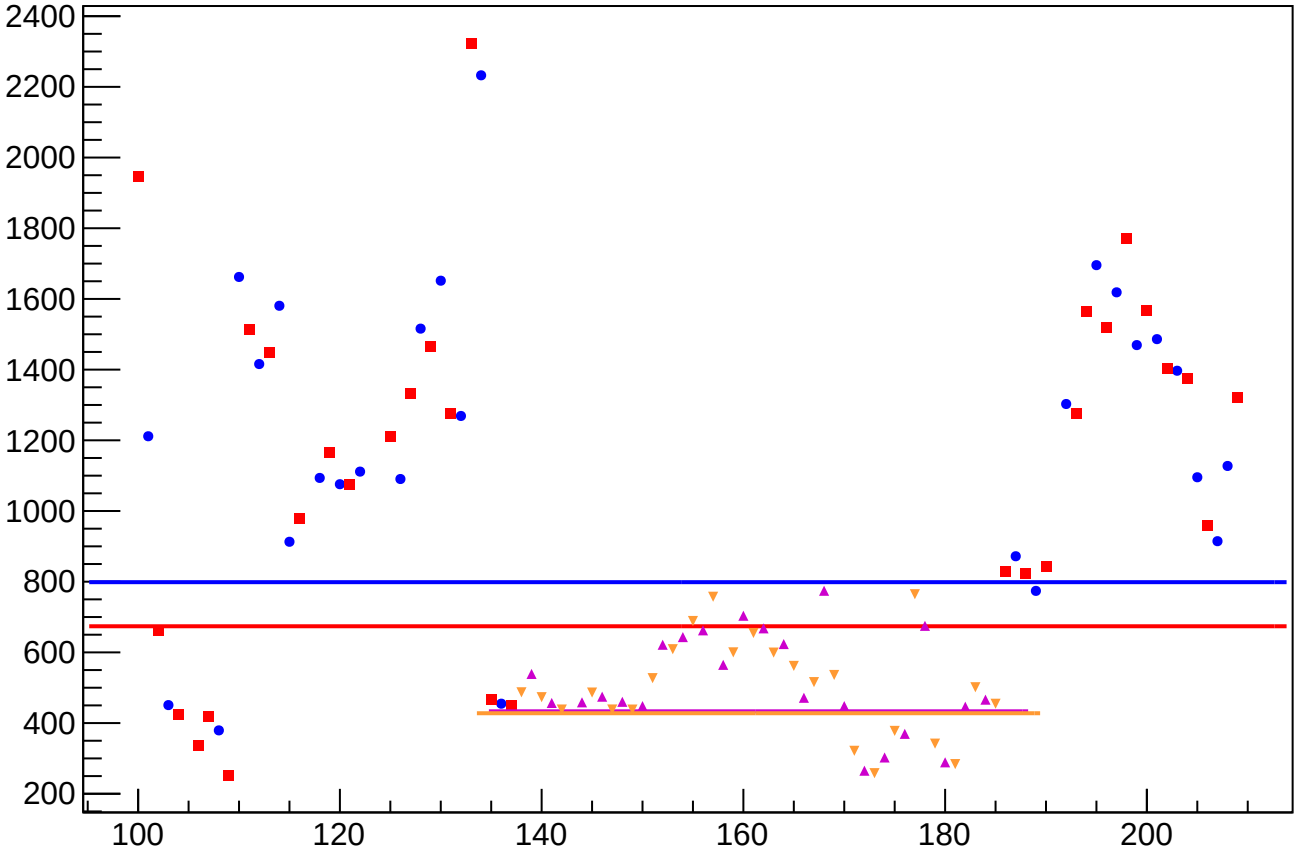
Right Out: 420.633+/-199.697 χ^2/NDF: 18.9/29

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 186.459+/-95.494 χ^2/NDF: 76.9/50

All: 213.041+/-67.098 χ^2/NDF: 108.6/103

- sign 238.961+/-94.298 χ^2/NDF: 31.6/52



Right In: 798.632+/-0.162 χ^2/NDF: 6983422.8/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 673.897+/-0.141 χ^2/NDF: 9687786.5/29

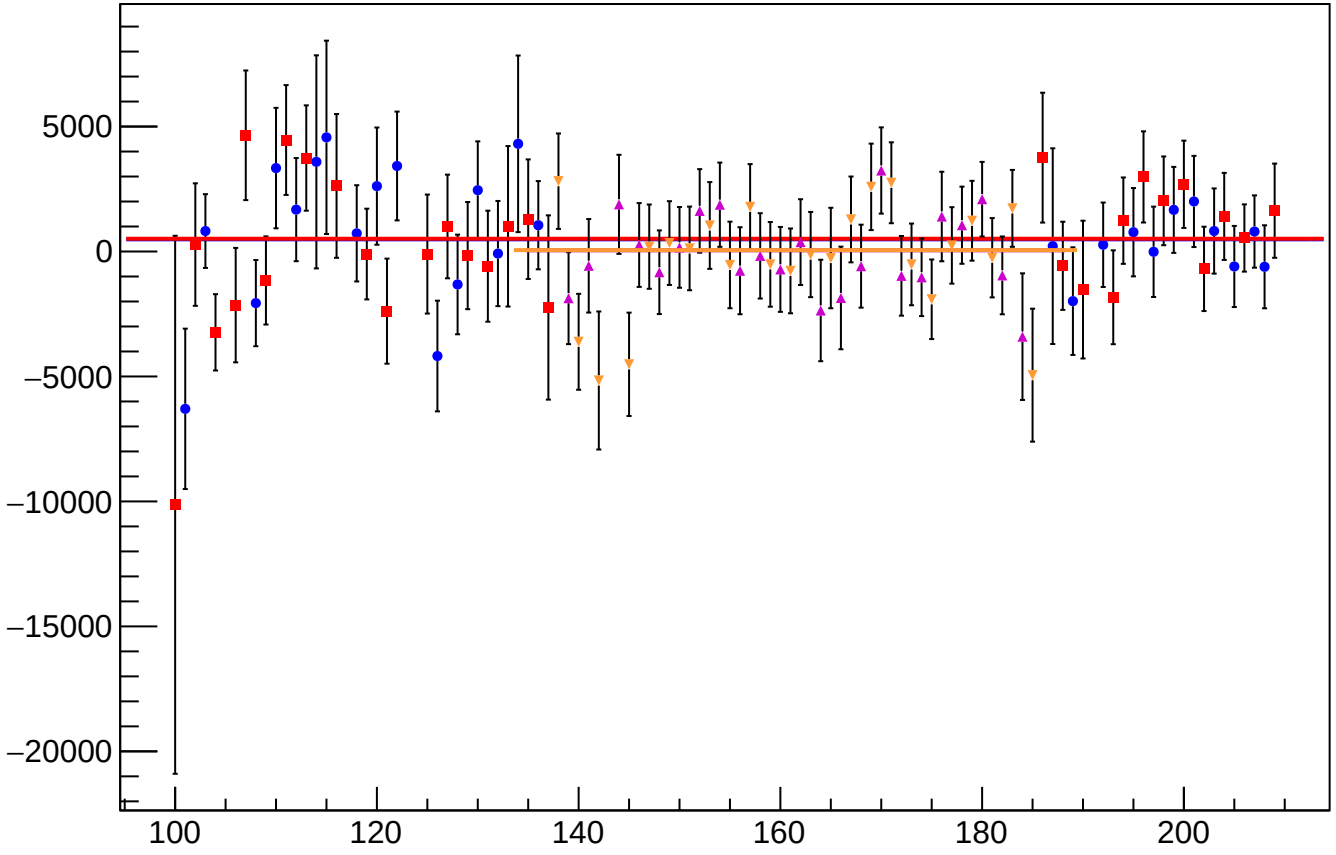
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

\+ sign 492.267+/-0.068 χ^2/NDF: 14502263.5/50

All: 489.567+/-0.047 χ^2/NDF: 29697318.9/10

\- sign 486.934+/-0.067 χ^2/NDF: 15191898.0/52

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 487.827+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 510.654+/-372.598 χ^2/NDF: 30.5/29

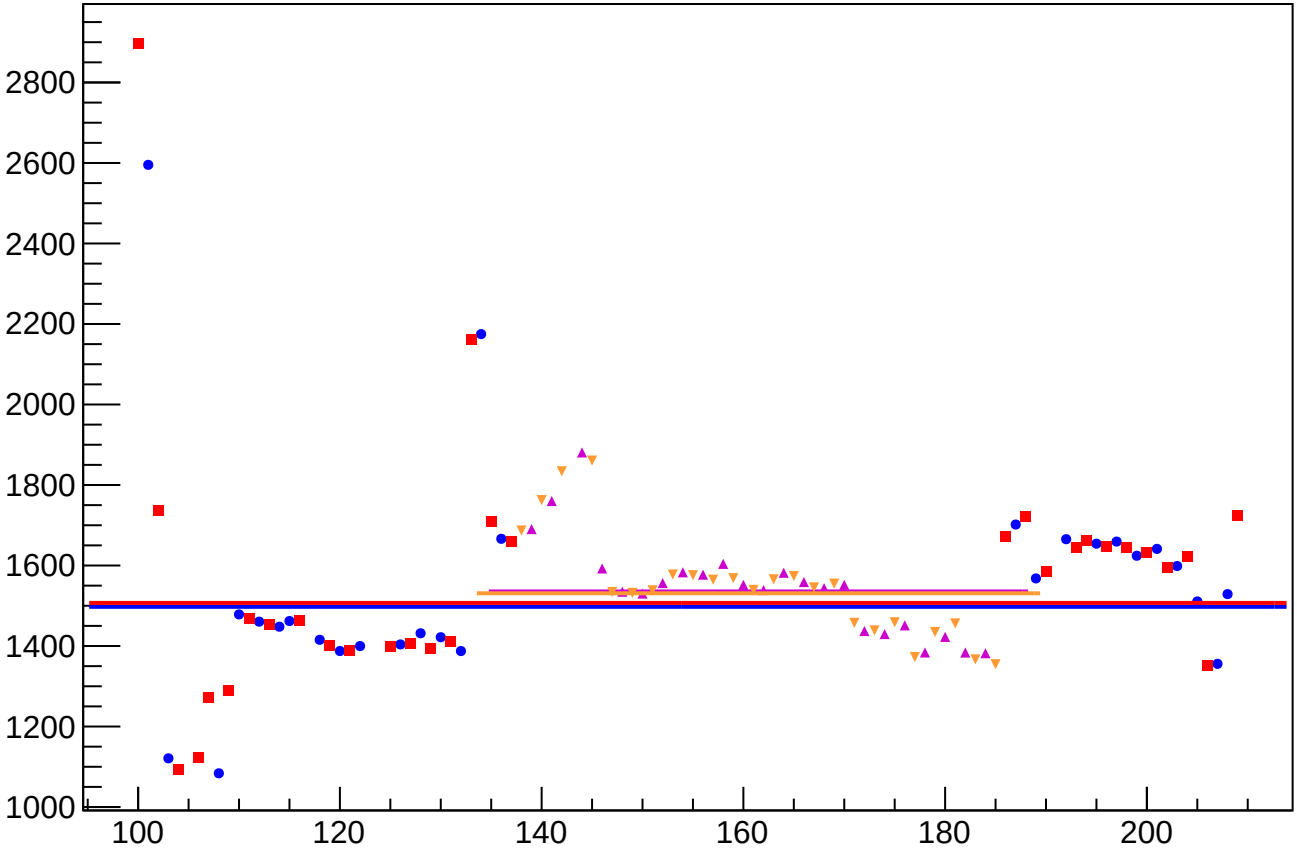
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 256.836+/-260.264 χ^2/NDF: 53.1/50

All: 264.063+/-183.487 χ^2/NDF: 101.2/103

- sign 271.204+/-258.723 χ^2/NDF: 48.1/52

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

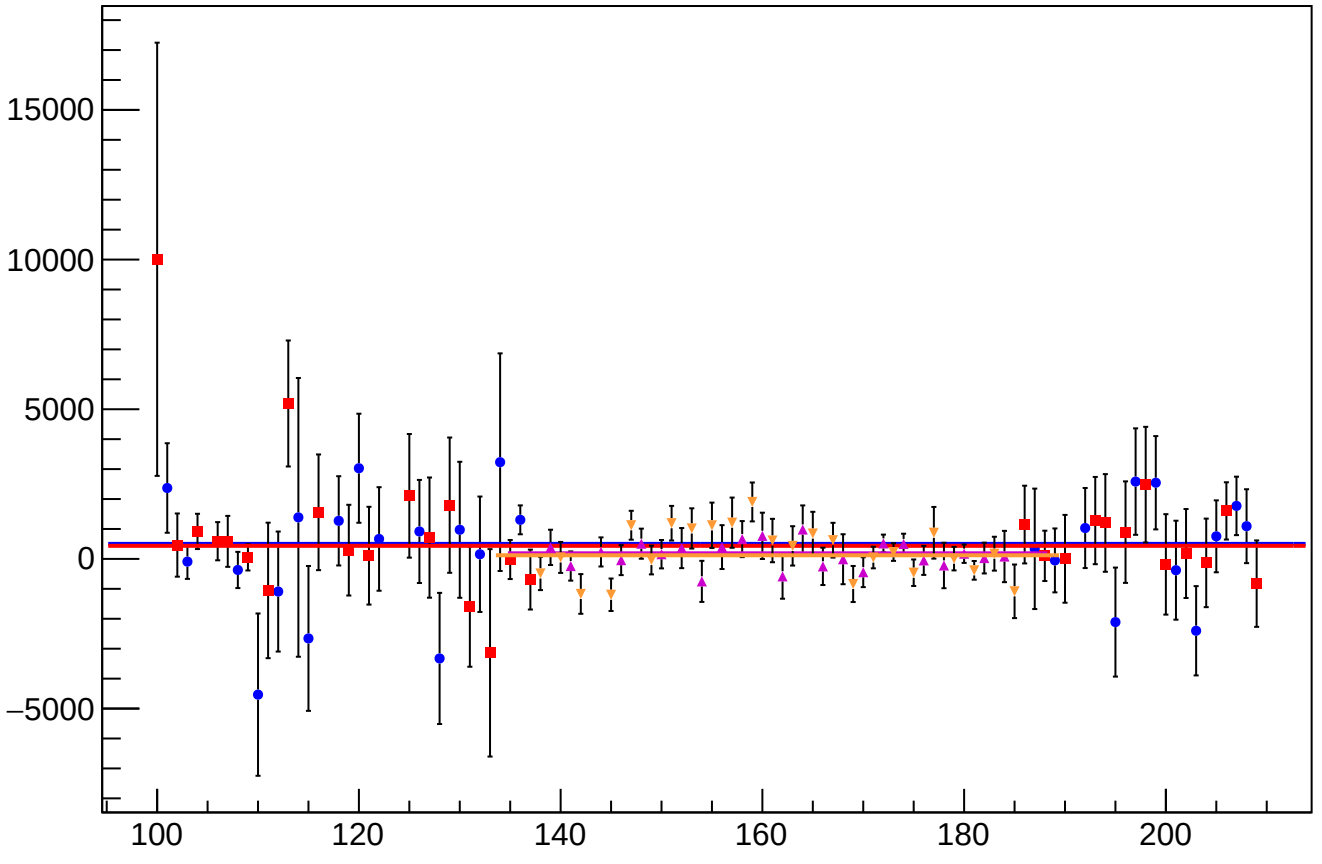
Right Out: 1507.091+/-0.263 χ^2/NDF: 602600.2/29

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF: 920160.0/50

All: 1518.594+/-0.130 χ^2/NDF: 1721864.6/10

- sign 1521.829+/-0.183 χ^2/NDF: 801075.4/52



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

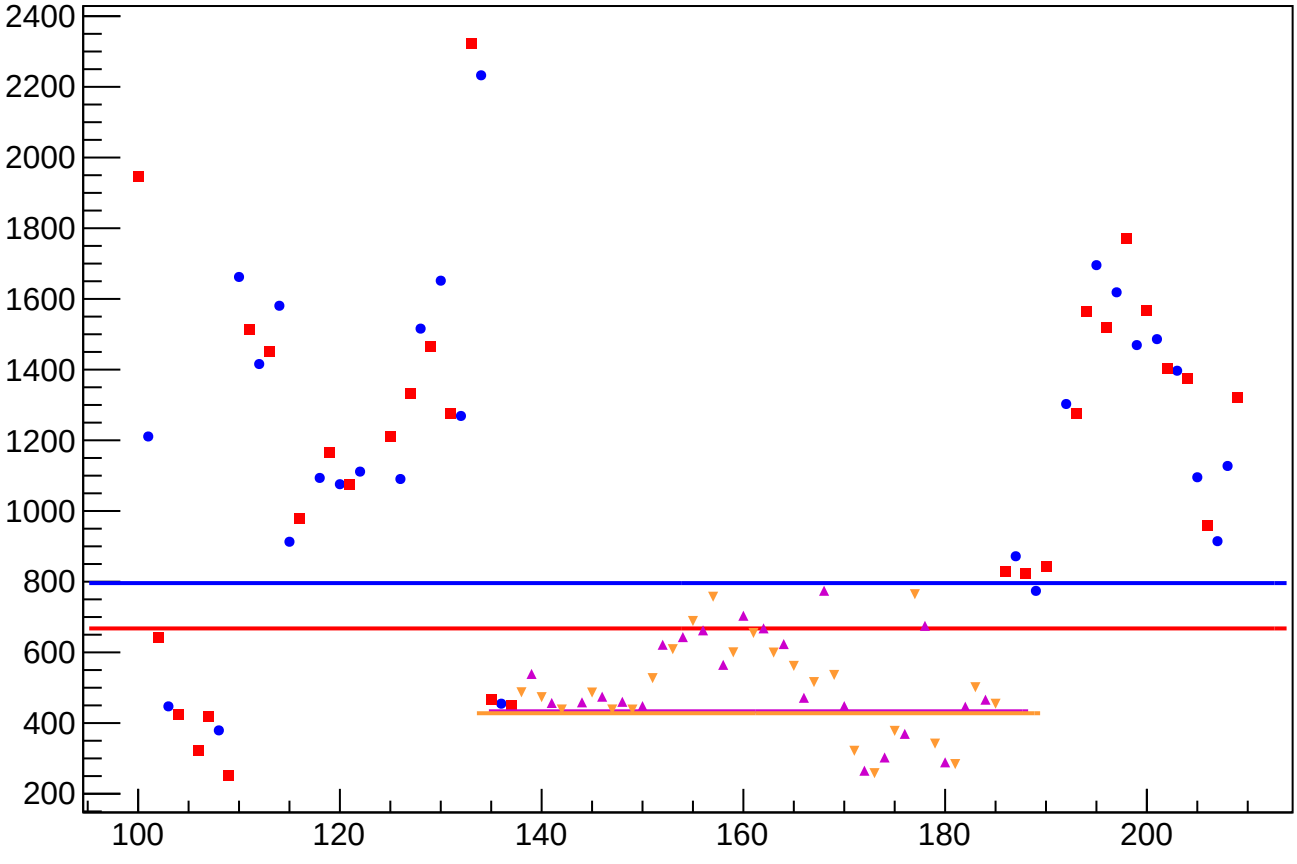
Right Out: 437.129+/-198.200 χ^2/NDF: 18.9/29

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 187.760+/-95.445 χ^2/NDF: 76.8/50

All: 215.992+/-67.023 χ^2/NDF: 108.7/103

- sign 243.456+/-94.139 χ^2/NDF: 31.8/52



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 667.742+/-0.140 χ^2/NDF: 9801042.1/29

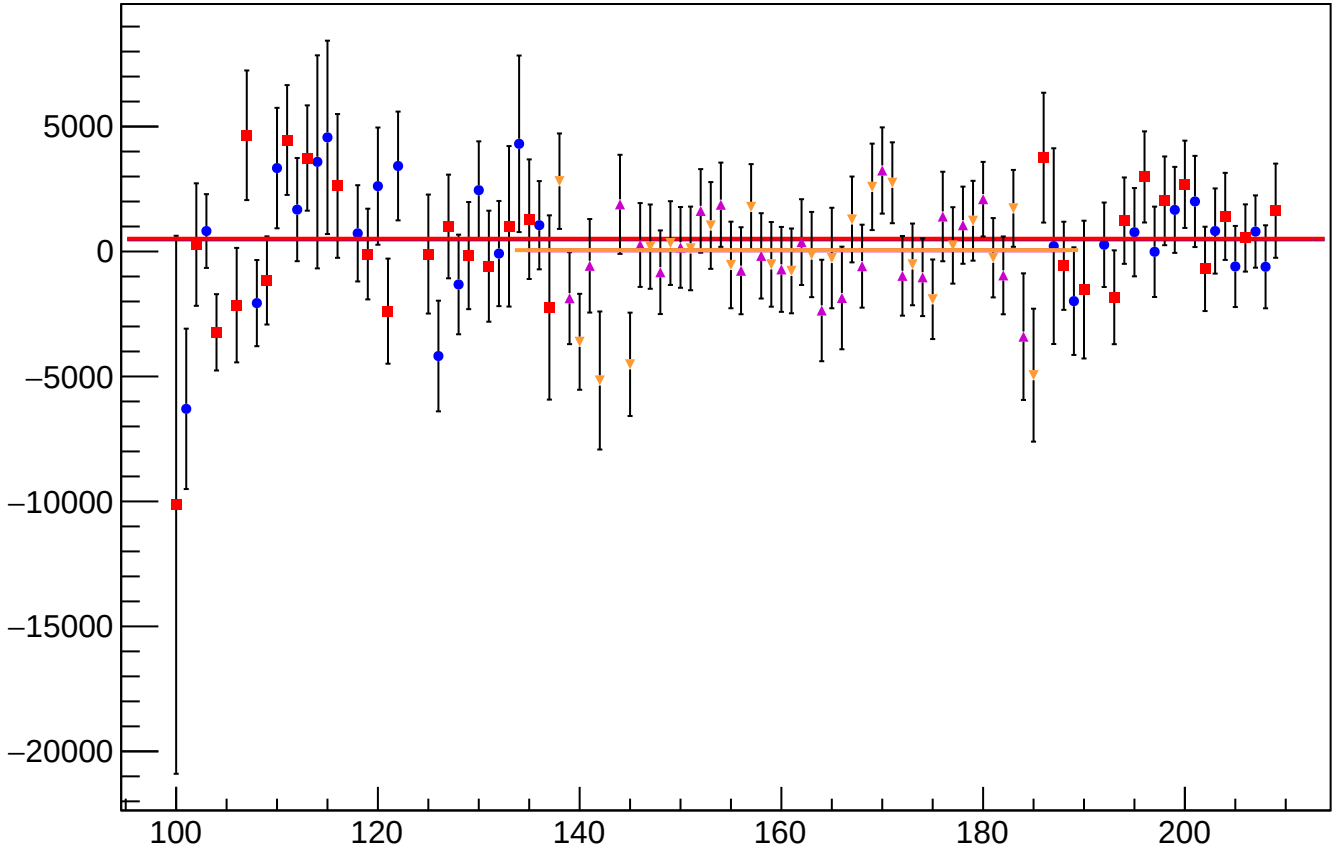
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 492.127+/-0.067 χ^2/NDF: 14504343.5/50

All: 489.111+/-0.047 χ^2/NDF: 29724489.6/10

- sign 486.177+/-0.067 χ^2/NDF: 15216207.3/52

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 487.827+/-380.995 χ^2/NDF: 23.9/26

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 510.654+/-372.598 χ^2/NDF: 30.5/29

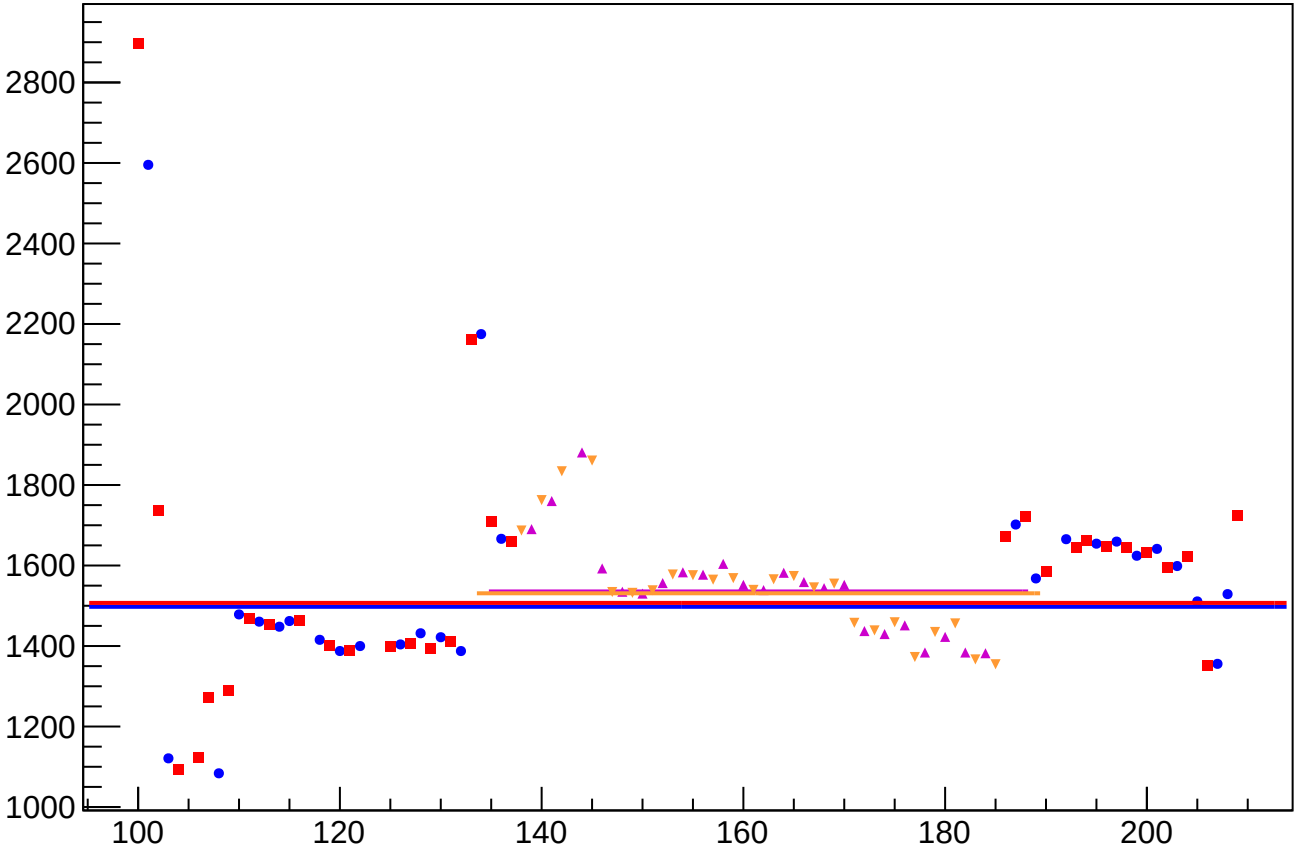
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 256.836+/-260.264 χ^2/NDF: 53.1/50

All: 264.063+/-183.487 χ^2/NDF: 101.2/103

- sign 271.204+/-258.723 χ^2/NDF: 48.1/52

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

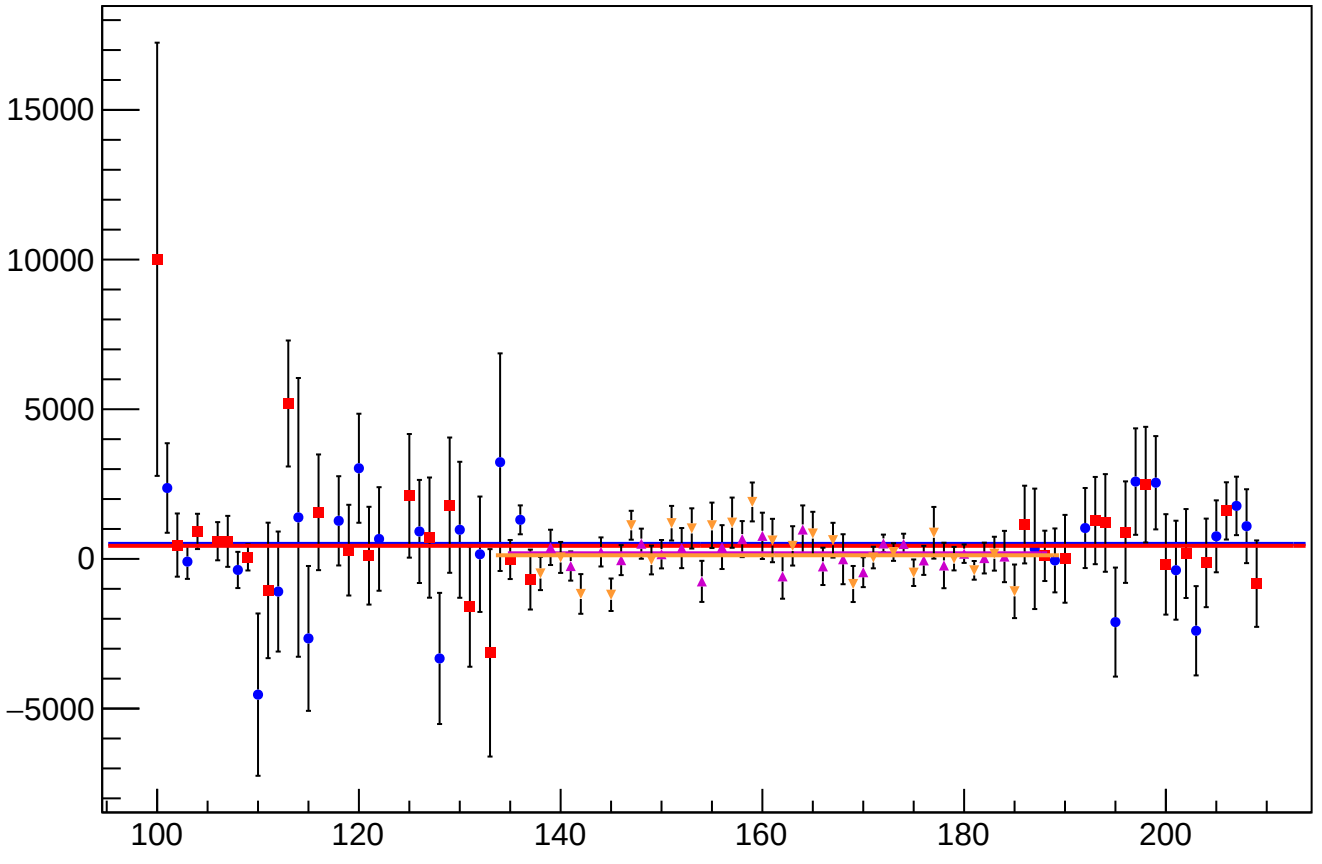
Right Out: 1507.091+/-0.263 χ^2/NDF: 602600.2/29

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1515.320+/-0.184 χ^2/NDF: 920160.0/50

All: 1518.594+/-0.130 χ^2/NDF: 1721864.6/10

- sign 1521.829+/-0.183 χ^2/NDF: 801075.4/52



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

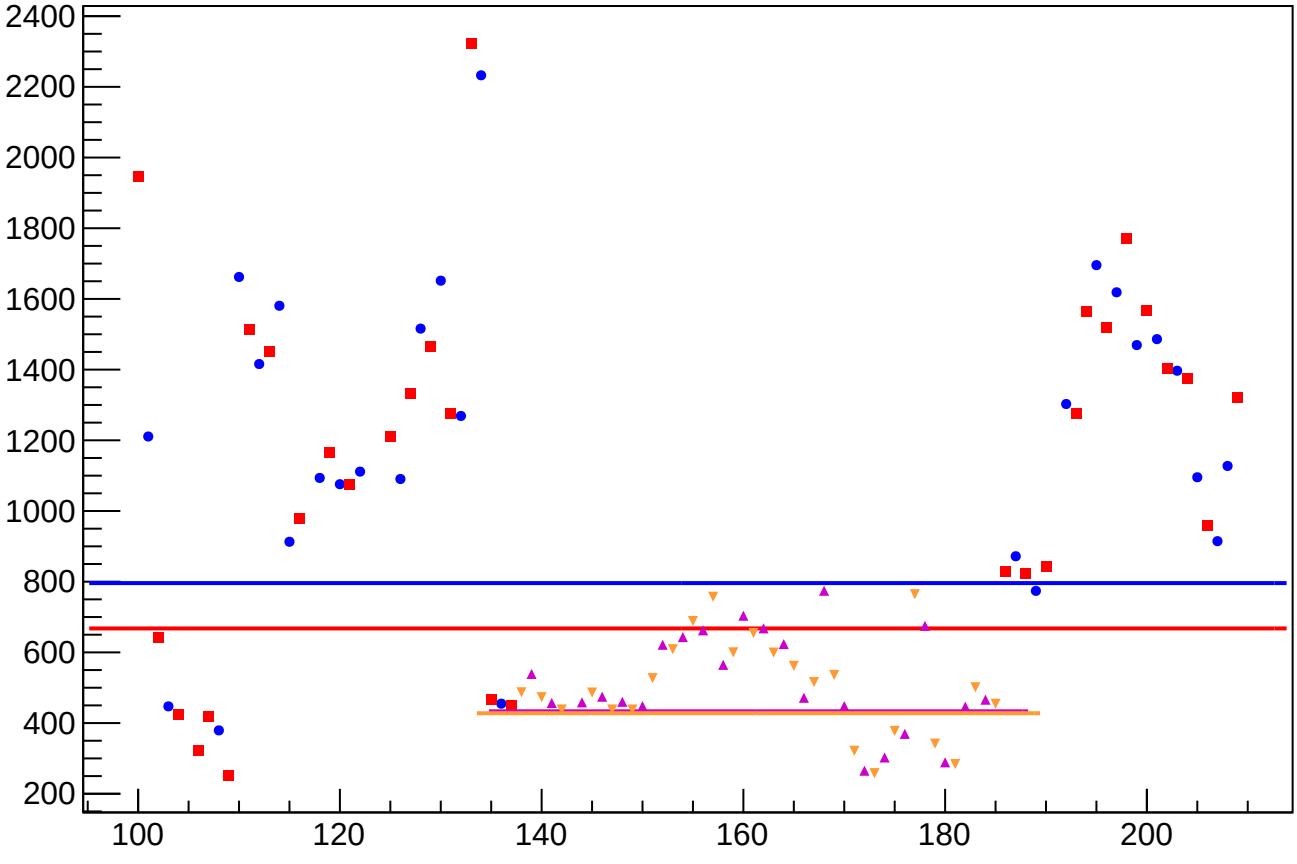
Right Out: 437.129+/-198.200 χ^2/NDF: 18.9/29

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 187.760+/-95.445 χ^2/NDF: 76.8/50

All: 215.992+/-67.023 χ^2/NDF: 108.7/103

- sign 243.456+/-94.139 χ^2/NDF: 31.8/52



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 667.742+/-0.140 χ^2/NDF: 9801042.1/29

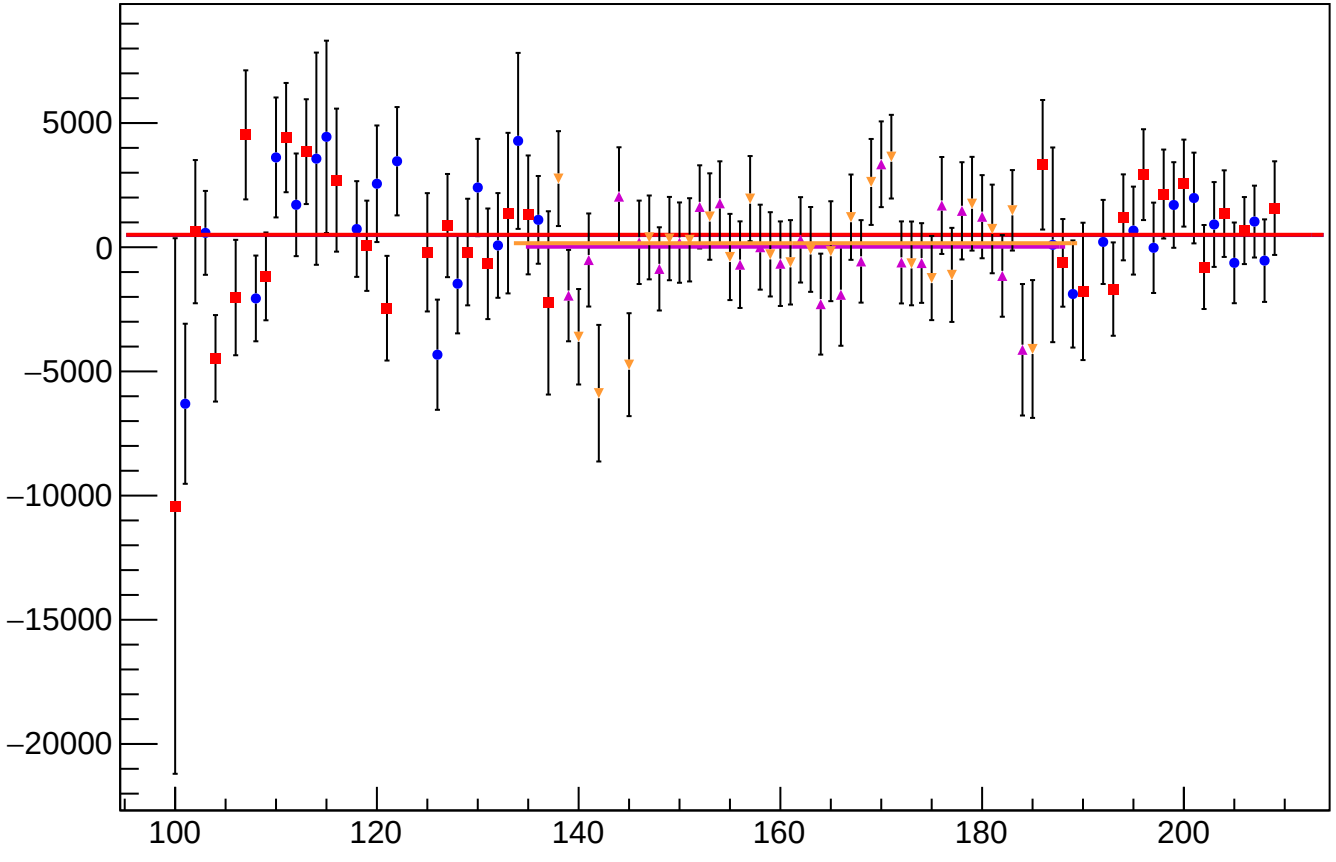
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 492.127+/-0.067 χ^2/NDF: 14504343.5/50

All: 489.111+/-0.047 χ^2/NDF: 29724489.6/10

- sign 486.177+/-0.067 χ^2/NDF: 15216207.3/52

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 490.615+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 501.122+/-377.310 χ^2/NDF: 32.1/29

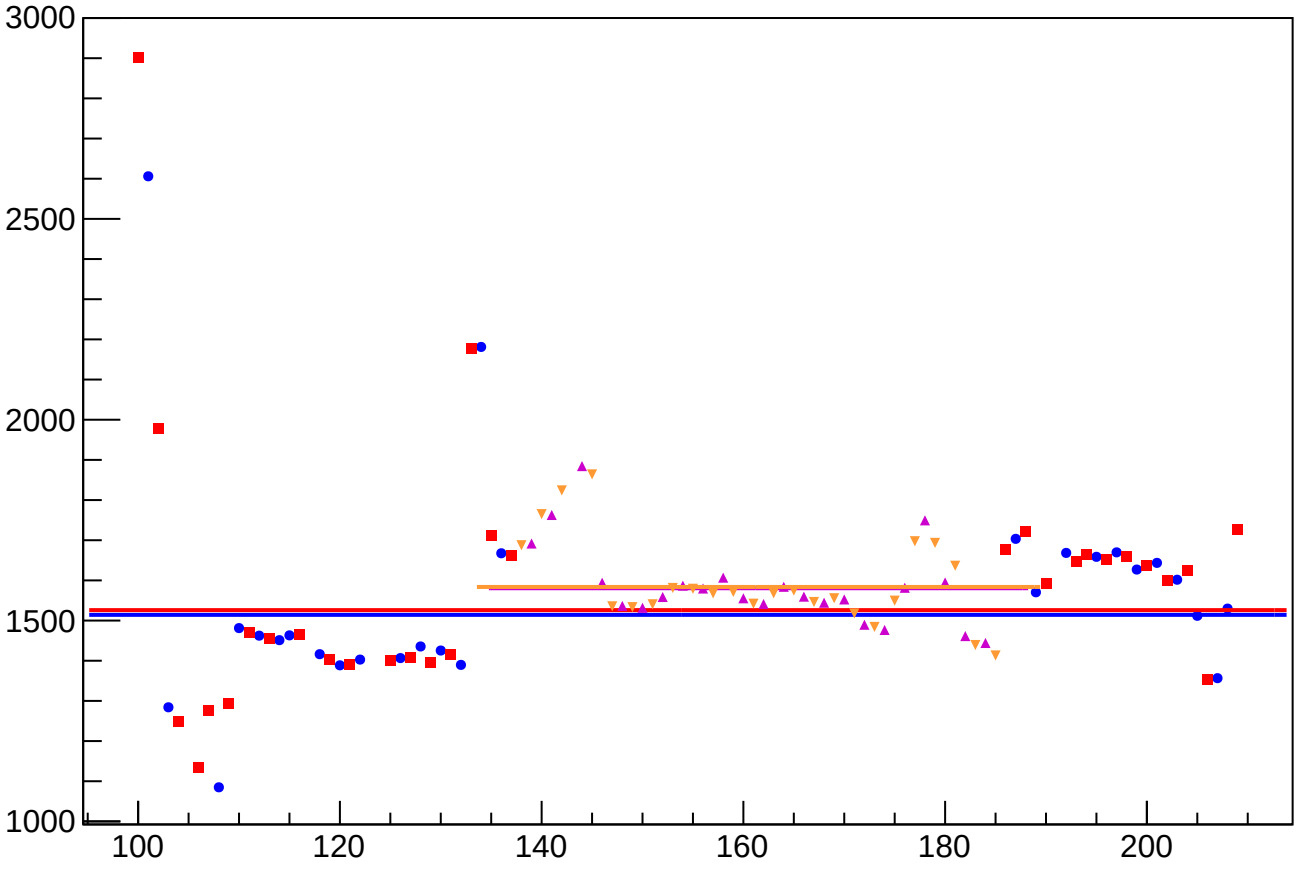
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 318.984+/-266.050 χ^2/NDF: 54.7/50

All: 287.180+/-187.431 χ^2/NDF: 103.6/103

- sign 255.841+/-264.096 χ^2/NDF: 49.0/52

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.237+/-0.272 χ^2/NDF: 612128.1/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

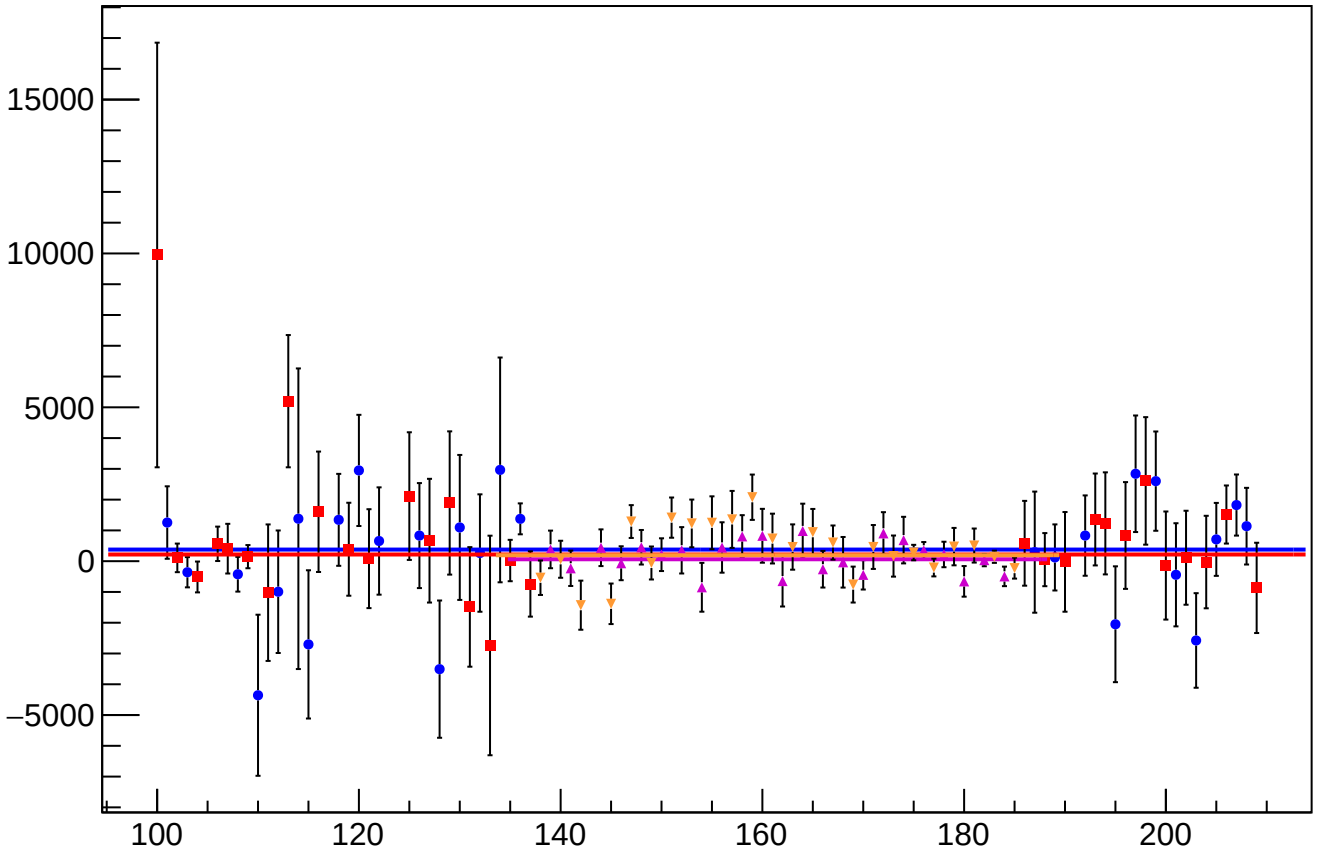
Right Out: 1526.017+/-0.267 χ^2/NDF: 532503.1/29

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1550.457+/-0.188 χ^2/NDF: 779705.2/50

All: 1552.136+/-0.133 χ^2/NDF: 1459354.9/10

- sign 1553.789+/-0.187 χ^2/NDF: 679491.7/52



Right In: 377.284+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

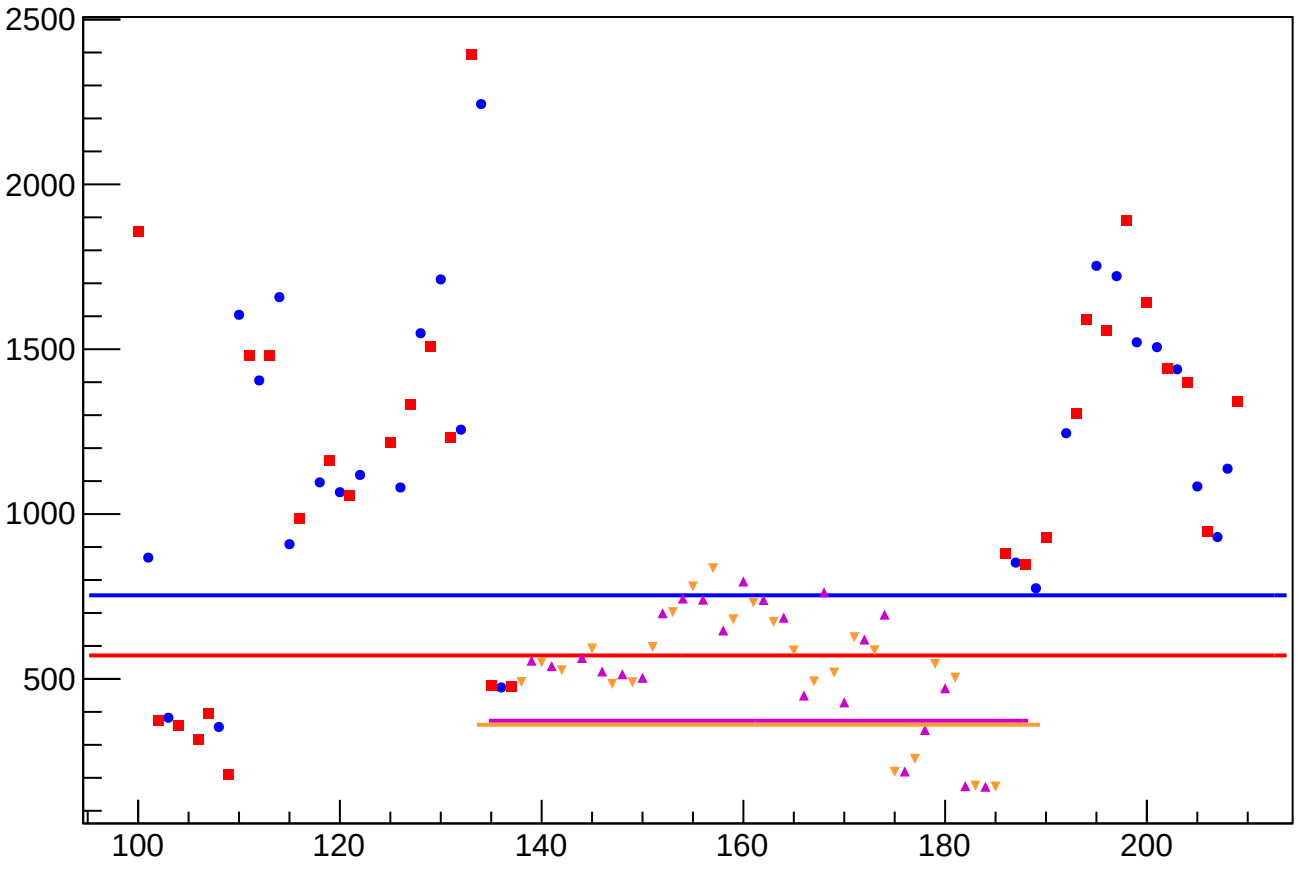
Right Out: 217.065+/-175.518 χ^2/NDF: 19.7/29

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 222.535+/-87.947 χ^2/NDF: 73.0/50

All: 160.381+/-61.743 χ^2/NDF: 111.2/103

- sign 99.976+/-86.702 χ^2/NDF: 37.3/52



Right In: 753.612+/-0.156 χ^2/NDF: 7705021.6/26

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

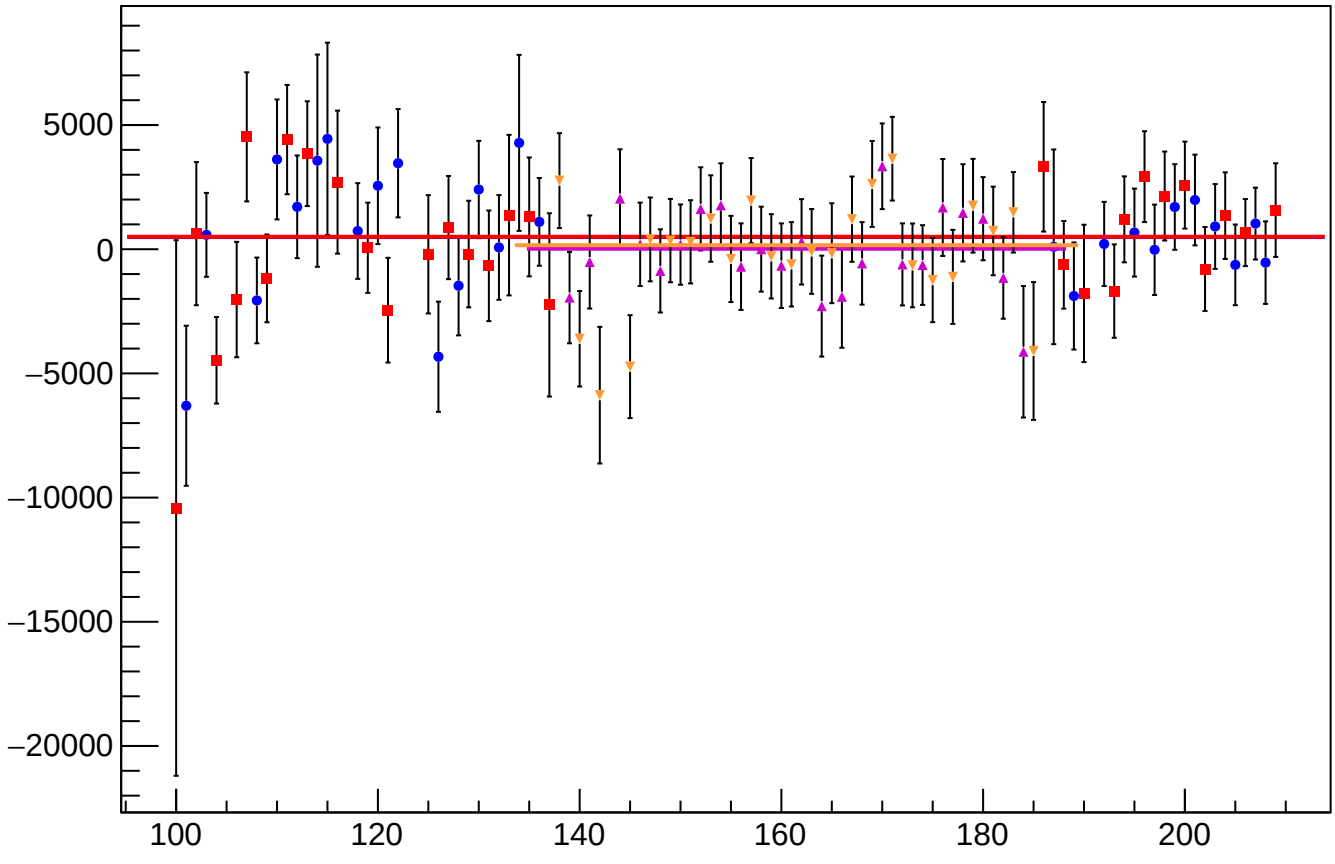
Right Out: 571.174+/-0.124 χ^2/NDF: 11970908.7/29

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 423.457+/-0.062 χ^2/NDF: 21211546.1/50

All: 422.445+/-0.044 χ^2/NDF: 43315116.2/10

- sign 421.463+/-0.061 χ^2/NDF: 22103048.9/52



Right In: 490.611+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 501.119+/-377.310 χ^2/NDF: 32.1/29

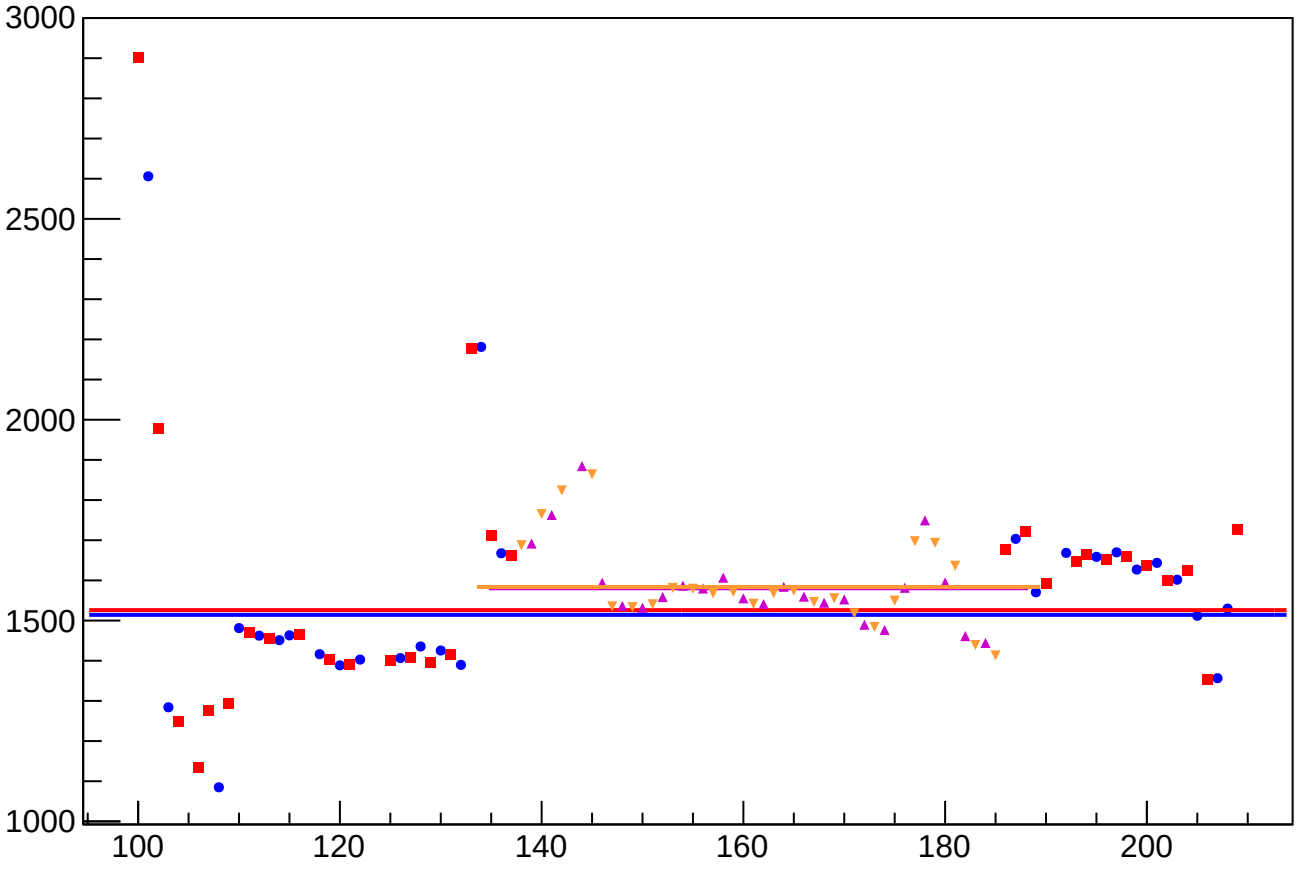
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 318.980+/-266.050 χ^2/NDF: 54.7/50

All: 287.177+/-187.431 χ^2/NDF: 103.6/103

- sign 255.839+/-264.096 χ^2/NDF: 49.0/52

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1514.237+/-0.272 χ^2/NDF: 612127.6/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

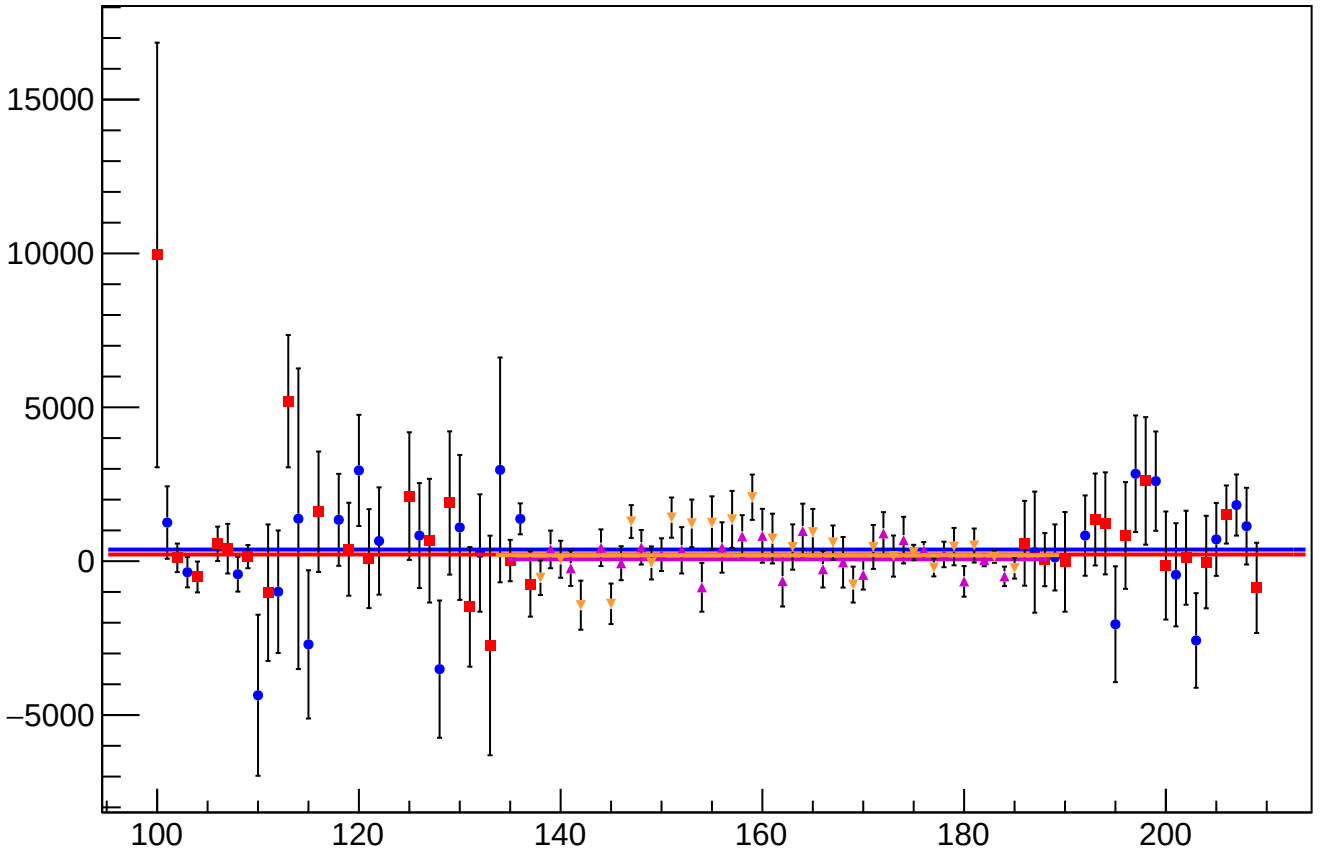
Right Out: 1526.017+/-0.267 χ^2/NDF: 532503.0/29

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1550.457+/-0.188 χ^2/NDF: 779704.8/50

All: 1552.135+/-0.133 χ^2/NDF: 1459354.2/10

- sign 1553.789+/-0.187 χ^2/NDF: 679491.4/52



Right In: 377.279+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

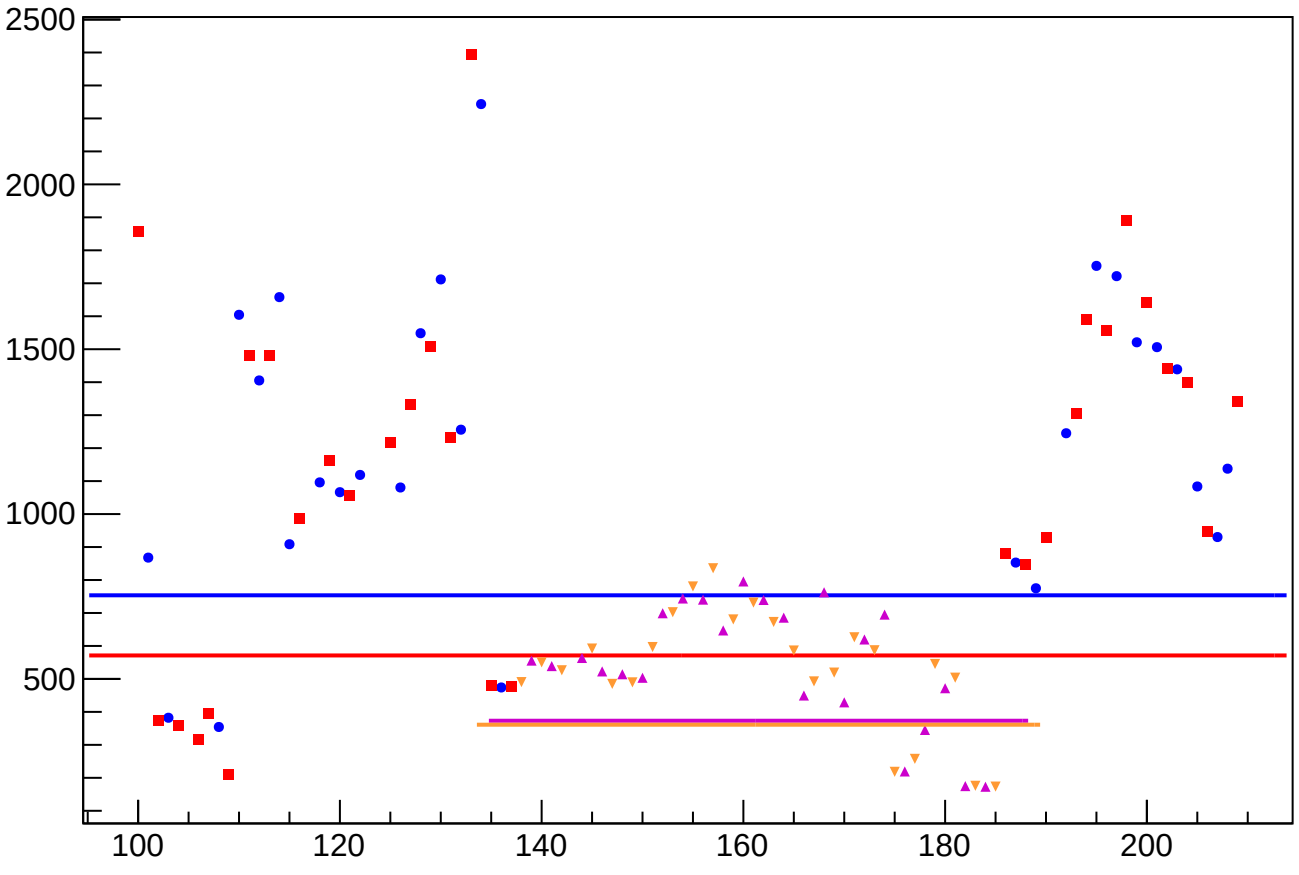
Right Out: 217.064+/-175.519 χ^2/NDF: 19.7/29

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

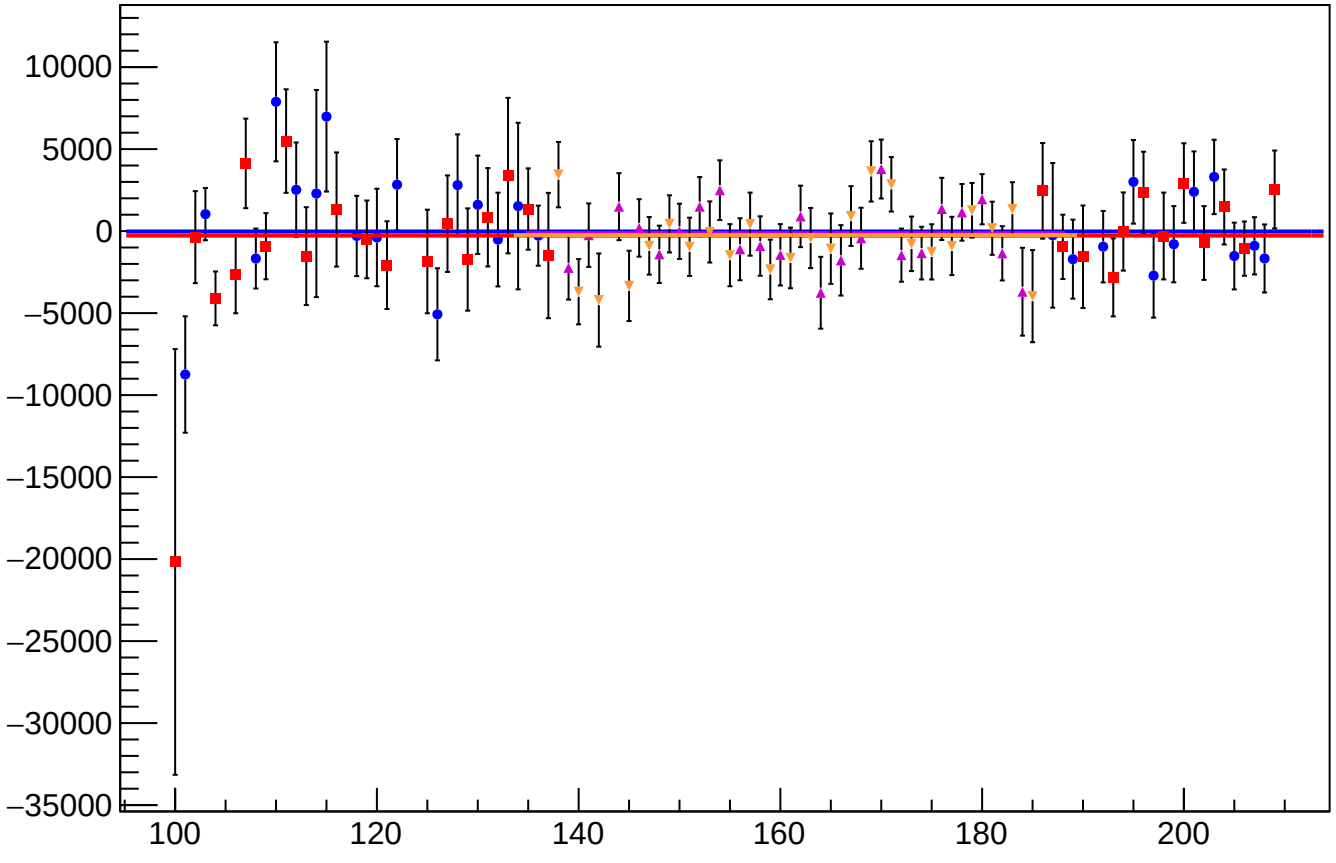
+ sign 222.539+/-87.948 χ^2/NDF: 73.0/50

All: 160.382+/-61.743 χ^2/NDF: 111.2/103

- sign 99.974+/-86.702 χ^2/NDF: 37.3/52


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 753.609+/-0.156 χ²/NDF: 7705043.5/26
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 571.181+/-0.124 χ²/NDF: 11970740.7/29
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
+ sign 423.460+/-0.062 χ²/NDF: 21211256.2/50
All: 422.450+/-0.044 χ²/NDF: 43314420.2/10
- sign 421.468+/-0.061 χ²/NDF: 22102643.5/52

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -23.193+/-480.053 χ^2/NDF: 28.7/26

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -275.062+/-465.499 χ^2/NDF: 24.9/29

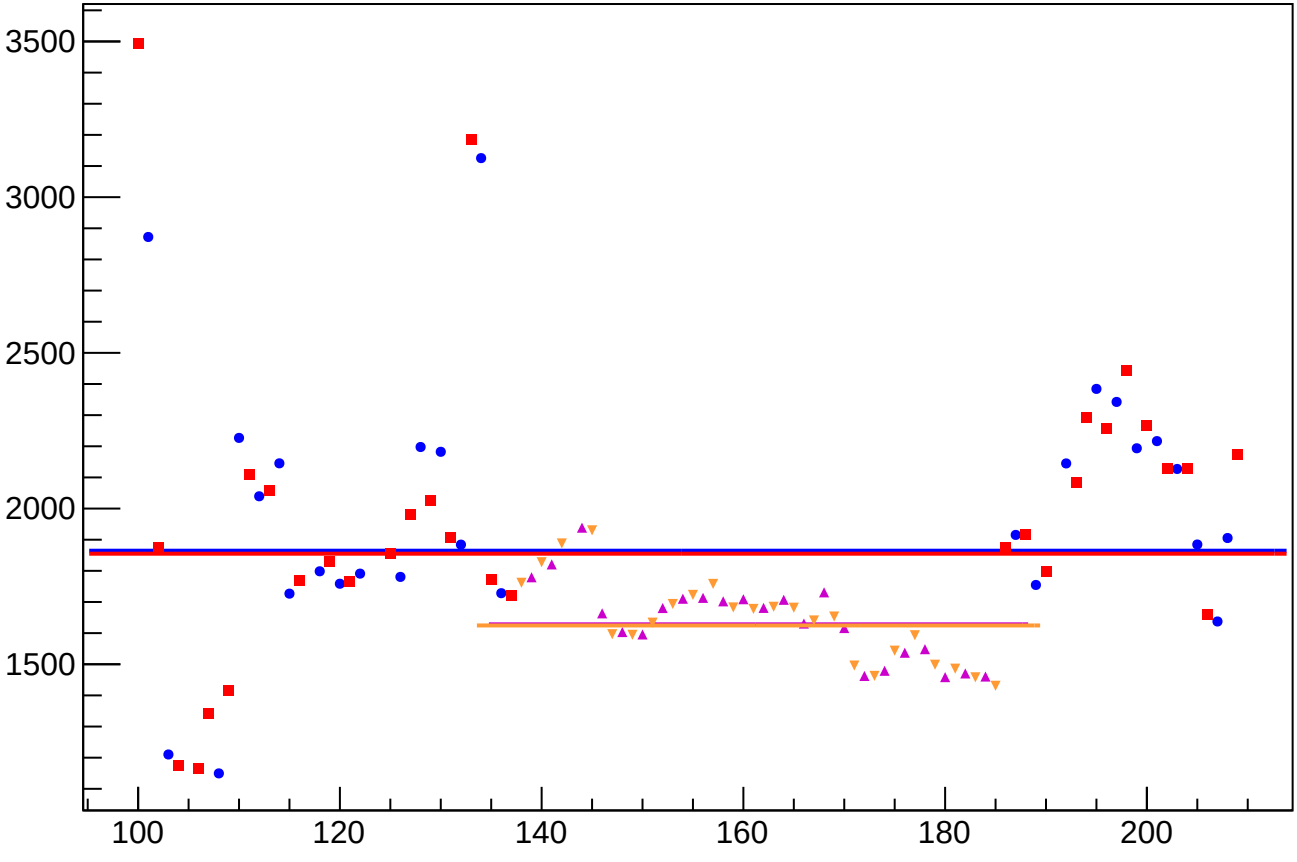
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -161.349+/-297.092 χ^2/NDF: 54.9/50

All: -173.724+/-209.324 χ^2/NDF: 101.0/103

- sign -185.924+/-294.976 χ^2/NDF: 46.1/52

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1864.621+/-0.339 χ^2/NDF: 1357779.2/26

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

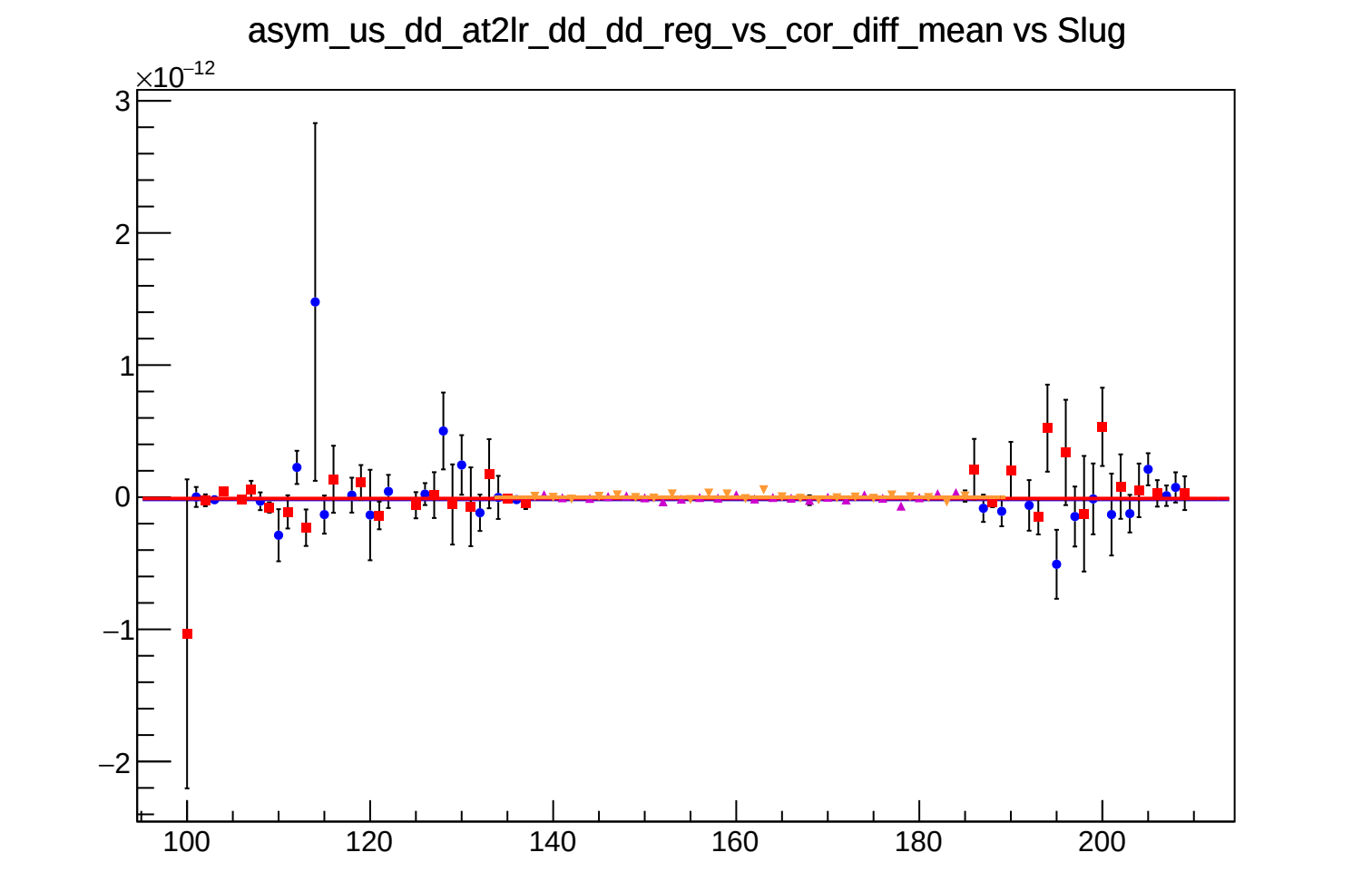
Right Out: 1855.029+/-0.329 χ^2/NDF: 1325819.8/29

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1716.538+/-0.210 χ^2/NDF: 1873483.5/50

All: 1717.926+/-0.148 χ^2/NDF: 3688415.5/10

- sign 1719.295+/-0.209 χ^2/NDF: 1814845.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

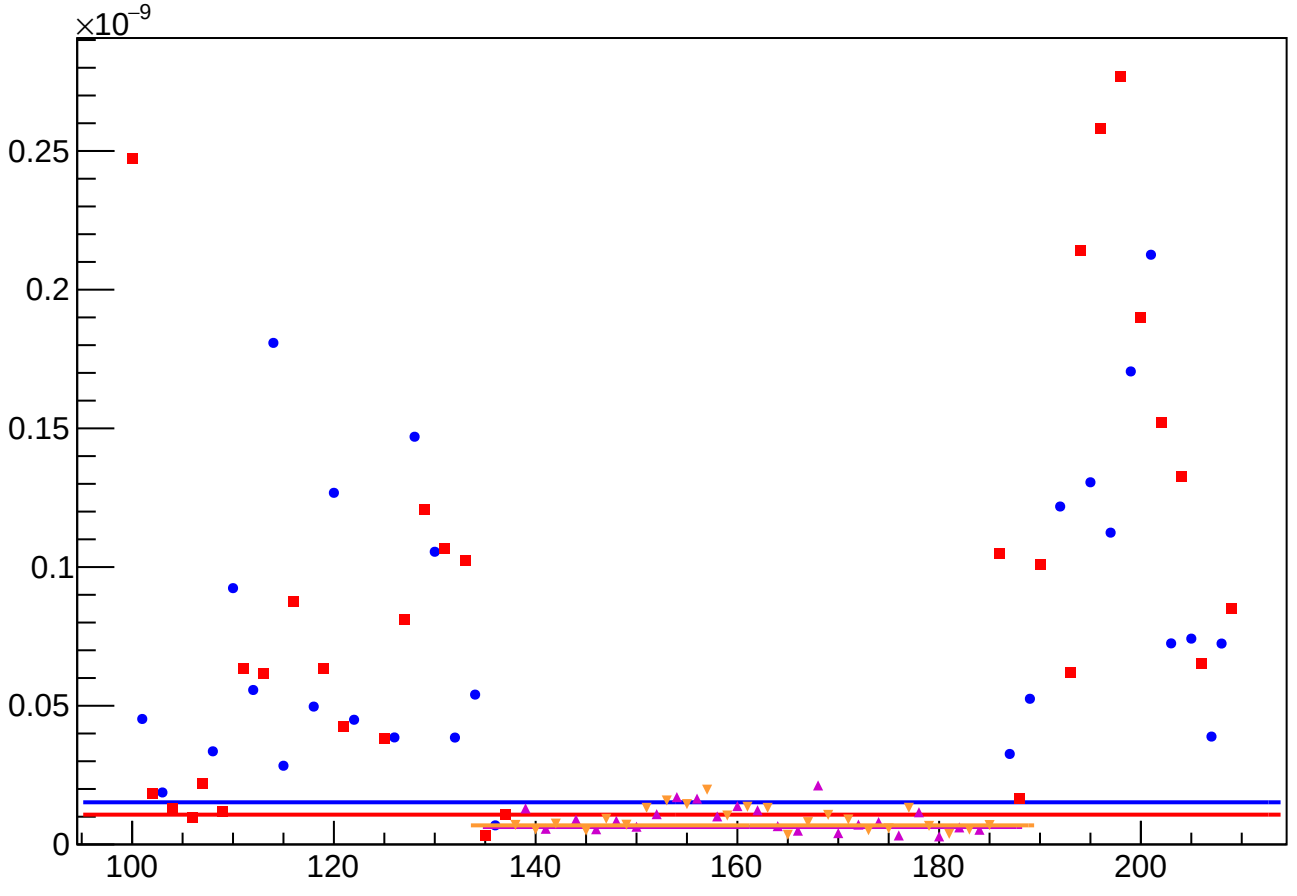
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/50

All: -0.000+/-0.000 χ^2/NDF: 100.7/103

- sign -0.000+/-0.000 χ^2/NDF: 52.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 8236376.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

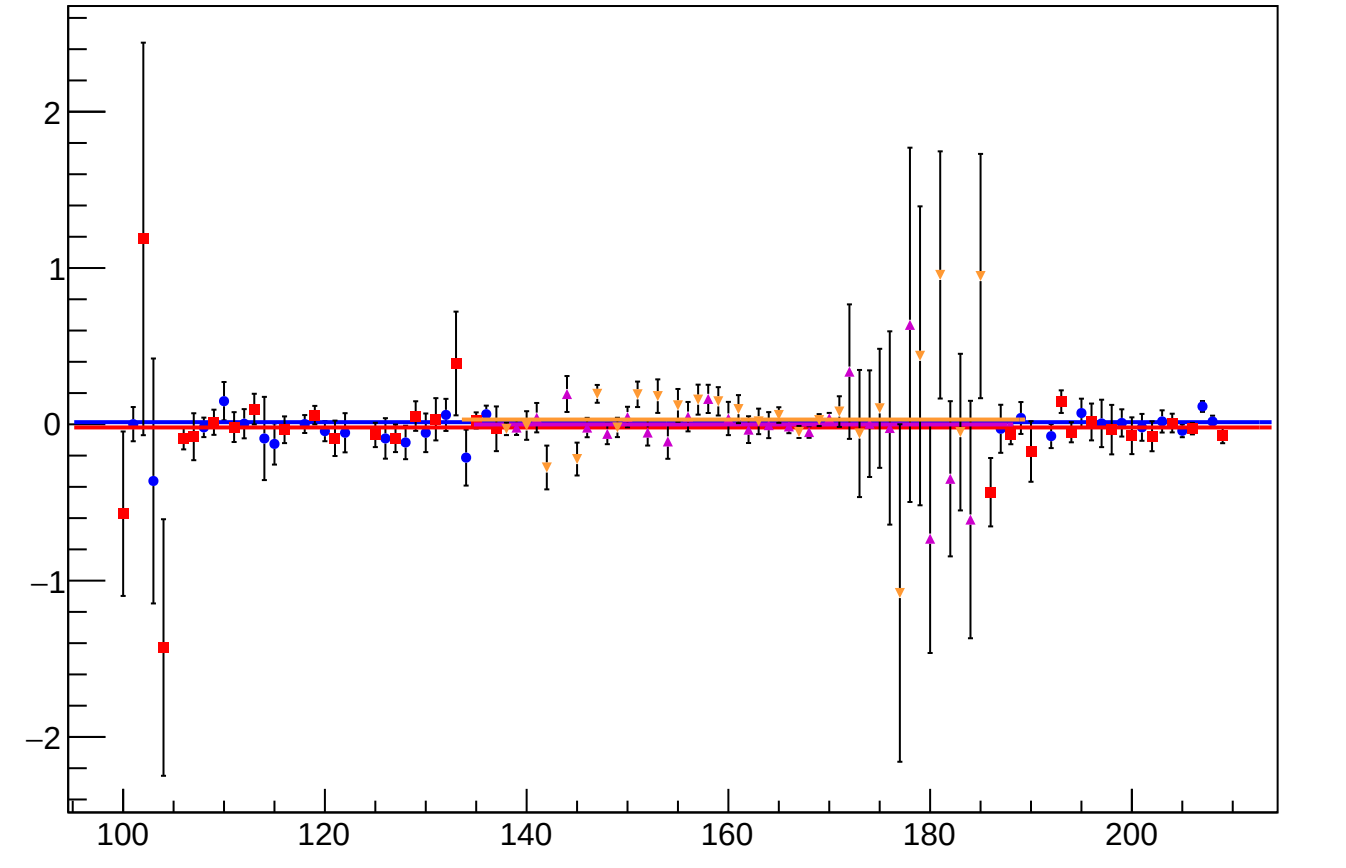
Right Out: 0.000+/-0.000 χ^2/NDF: 10370855.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11781016.3/50

All: 0.000+/-0.000 χ^2/NDF: 25644903.5/103

- sign 0.000+/-0.000 χ^2/NDF: 13771659.4/52



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.020+/-0.015 χ^2/NDF: 26.1/29

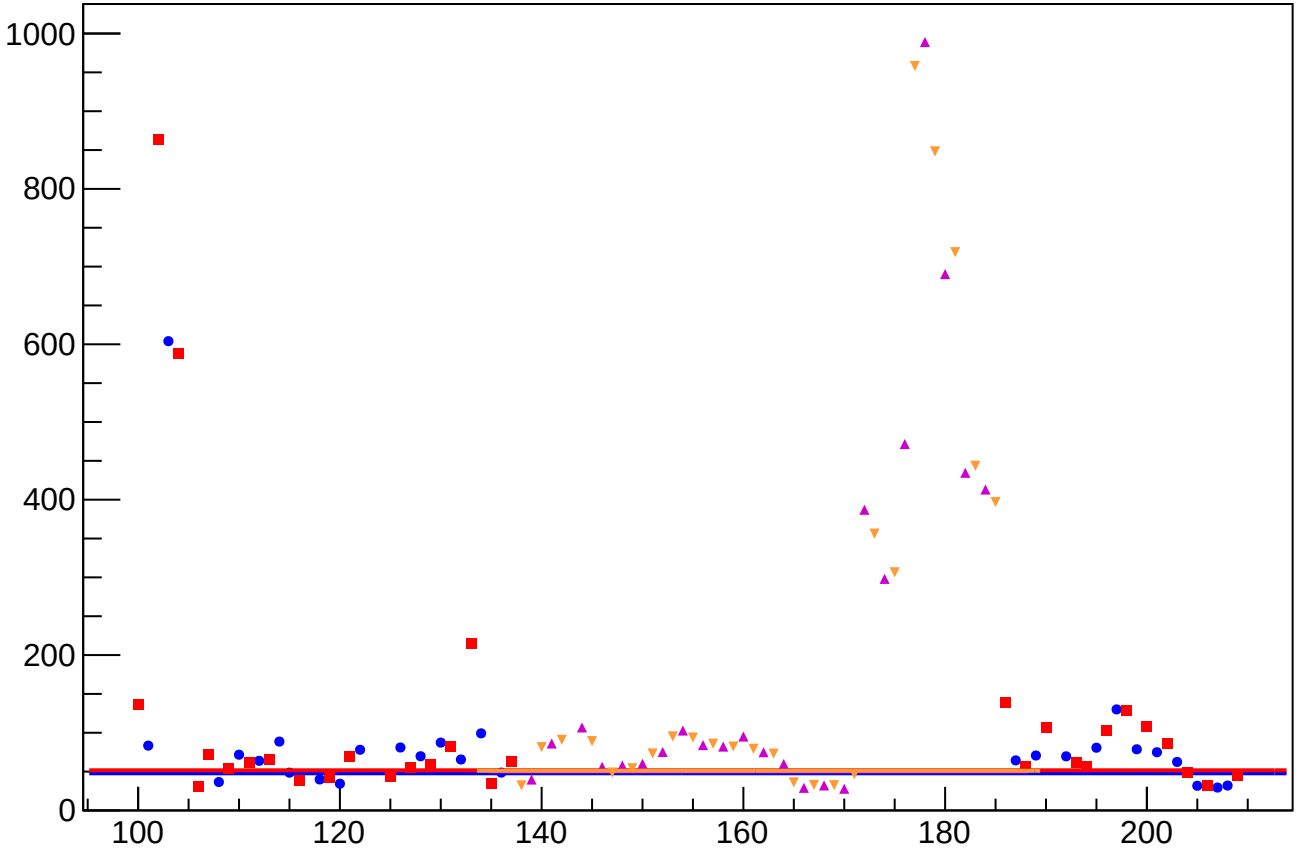
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.006+/-0.007 χ^2/NDF: 111.2/103

- sign -0.011+/-0.011 χ^2/NDF: 42.9/52

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

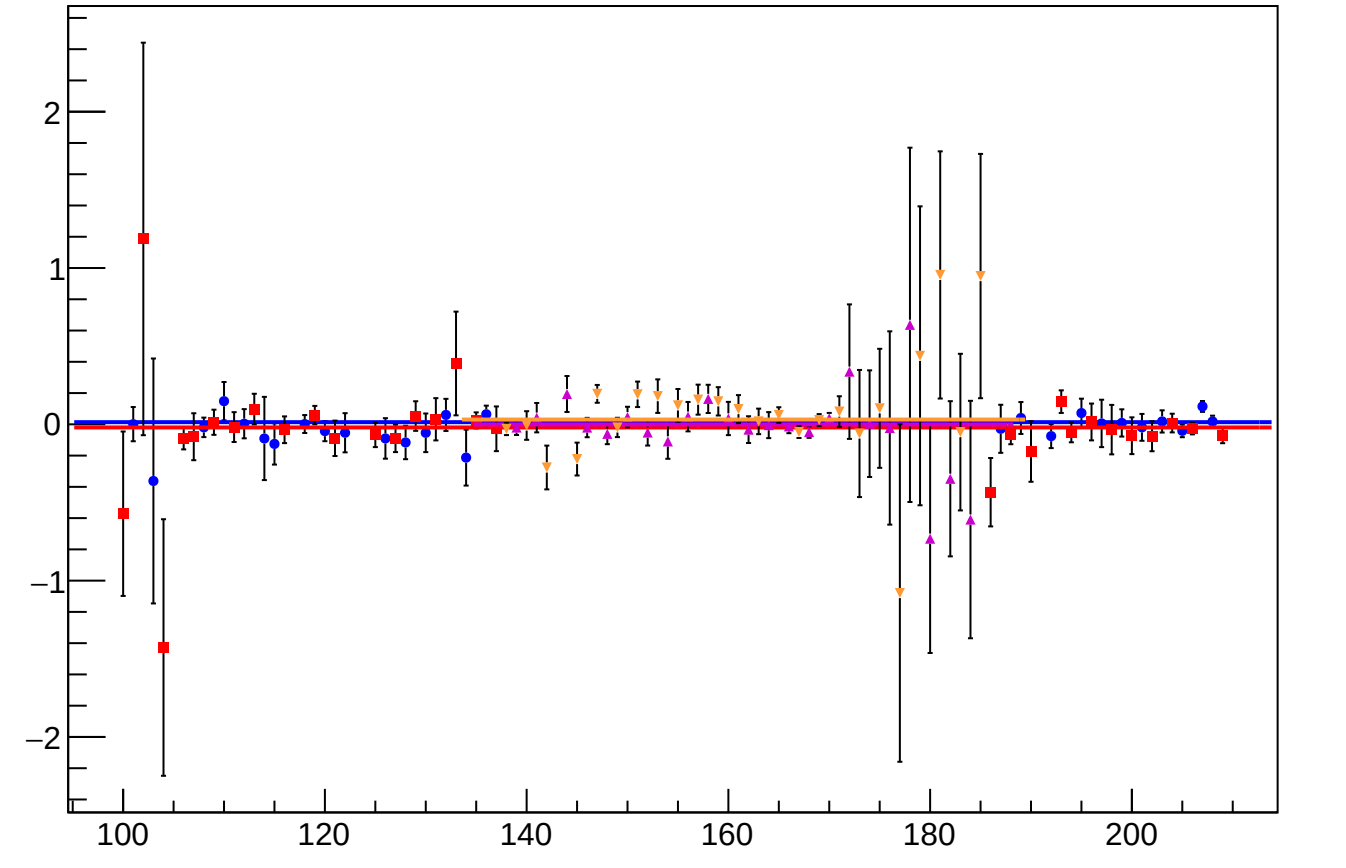
Right Out: 51.674+/-0.011 χ^2/NDF: 5741651.8/29

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 49.320+/-0.007 χ^2/NDF: 17027267.0/50

All: 50.132+/-0.005 χ^2/NDF: 34998098.2/103

- sign 50.977+/-0.008 χ^2/NDF: 17946258.6/52



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

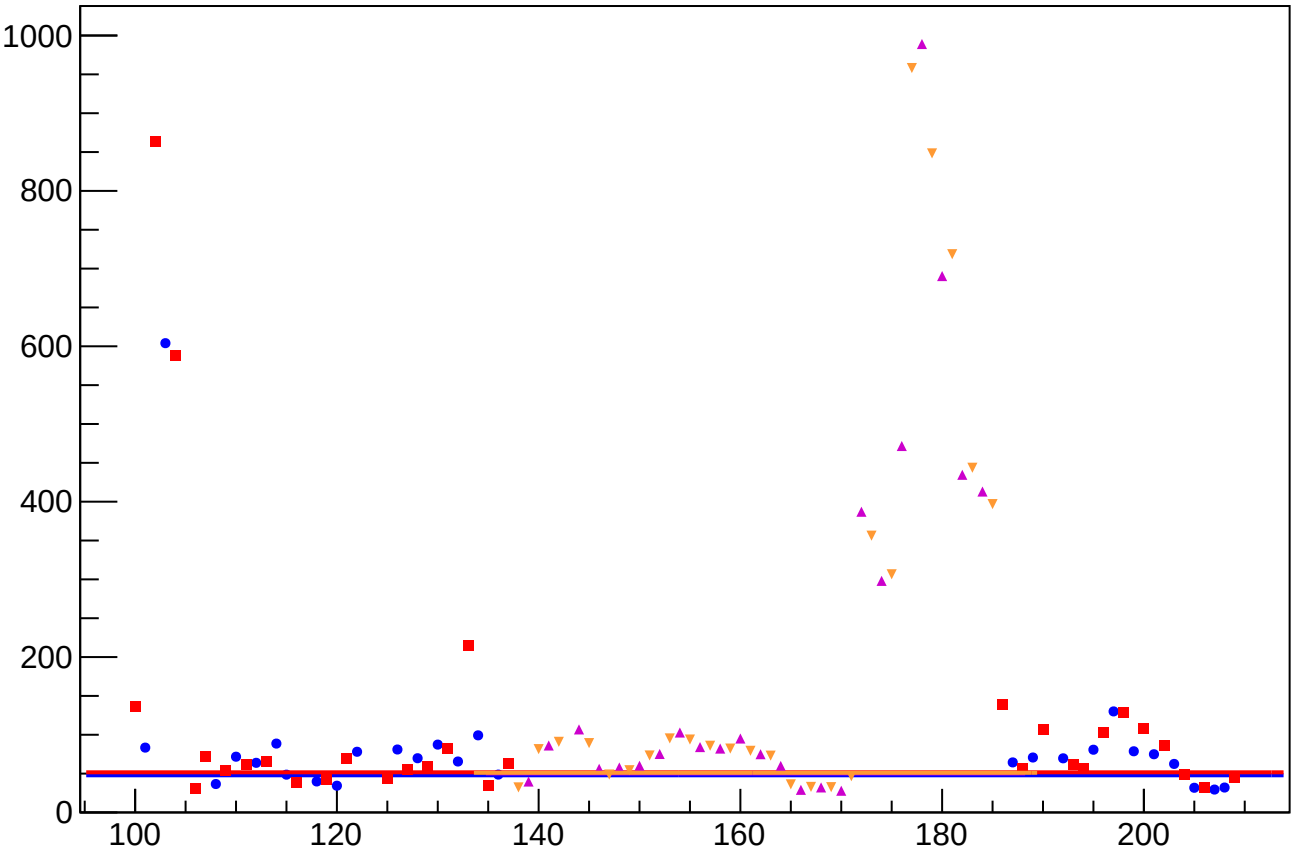
Right Out: -0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.006+/-0.007 χ^2/NDF: 111.2/103

- sign -0.011+/-0.011 χ^2/NDF: 42.9/52



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

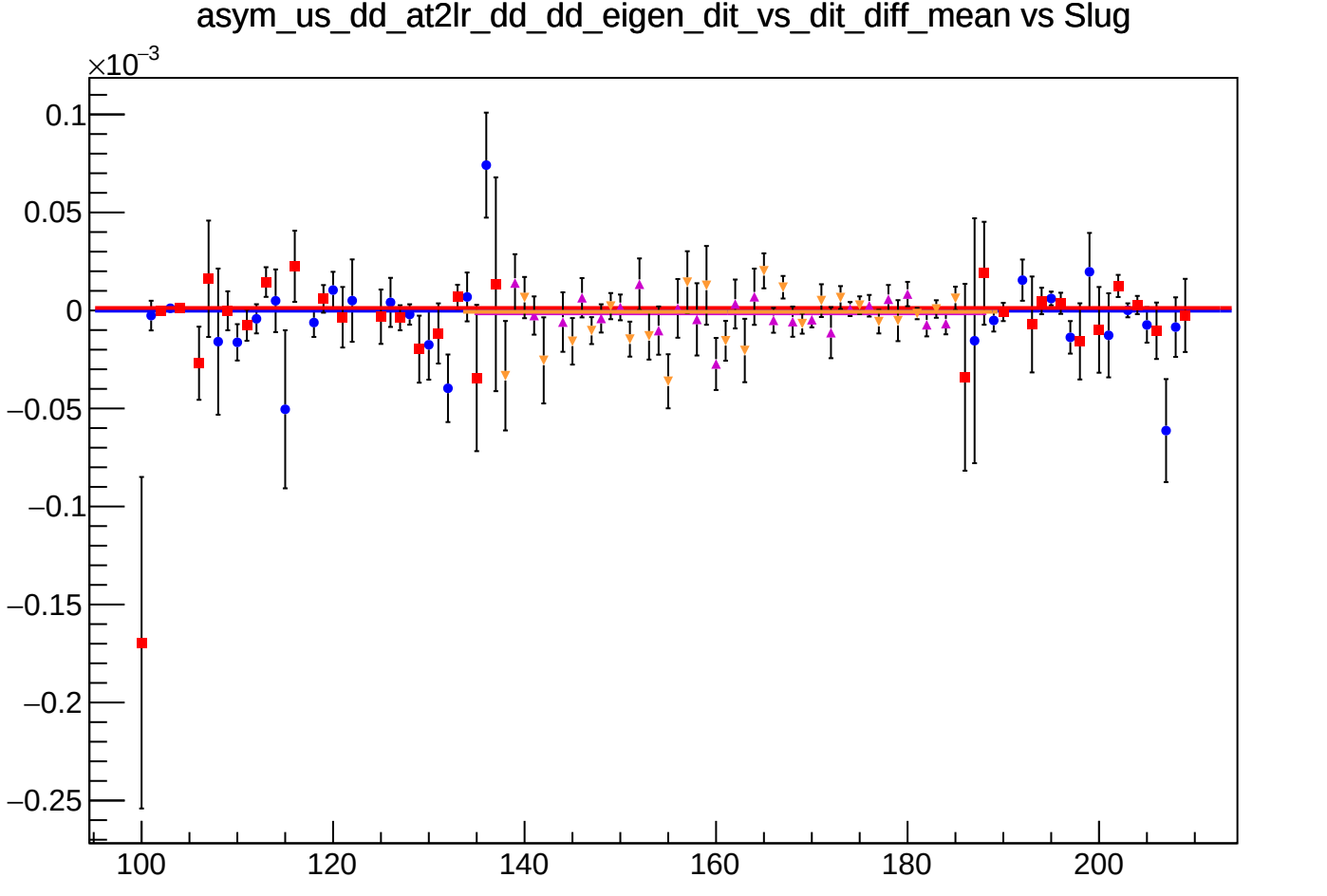
Right Out: 51.674+/-0.011 χ^2/NDF: 5741651.8/29

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 49.320+/-0.007 χ^2/NDF: 17027267.0/50

All: 50.132+/-0.005 χ^2/NDF: 34998098.2/103

- sign 50.977+/-0.008 χ^2/NDF: 17946258.6/52



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

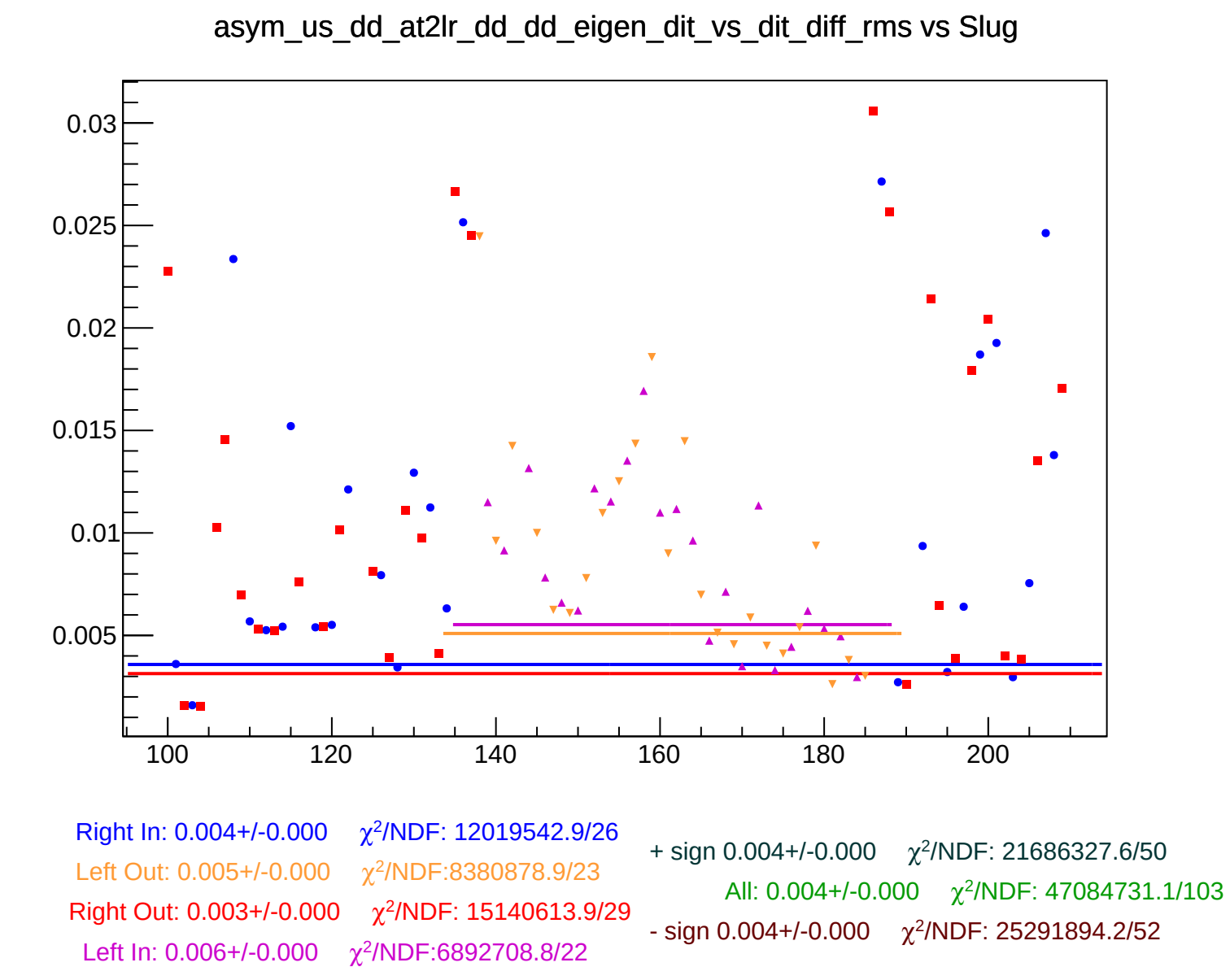
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/29

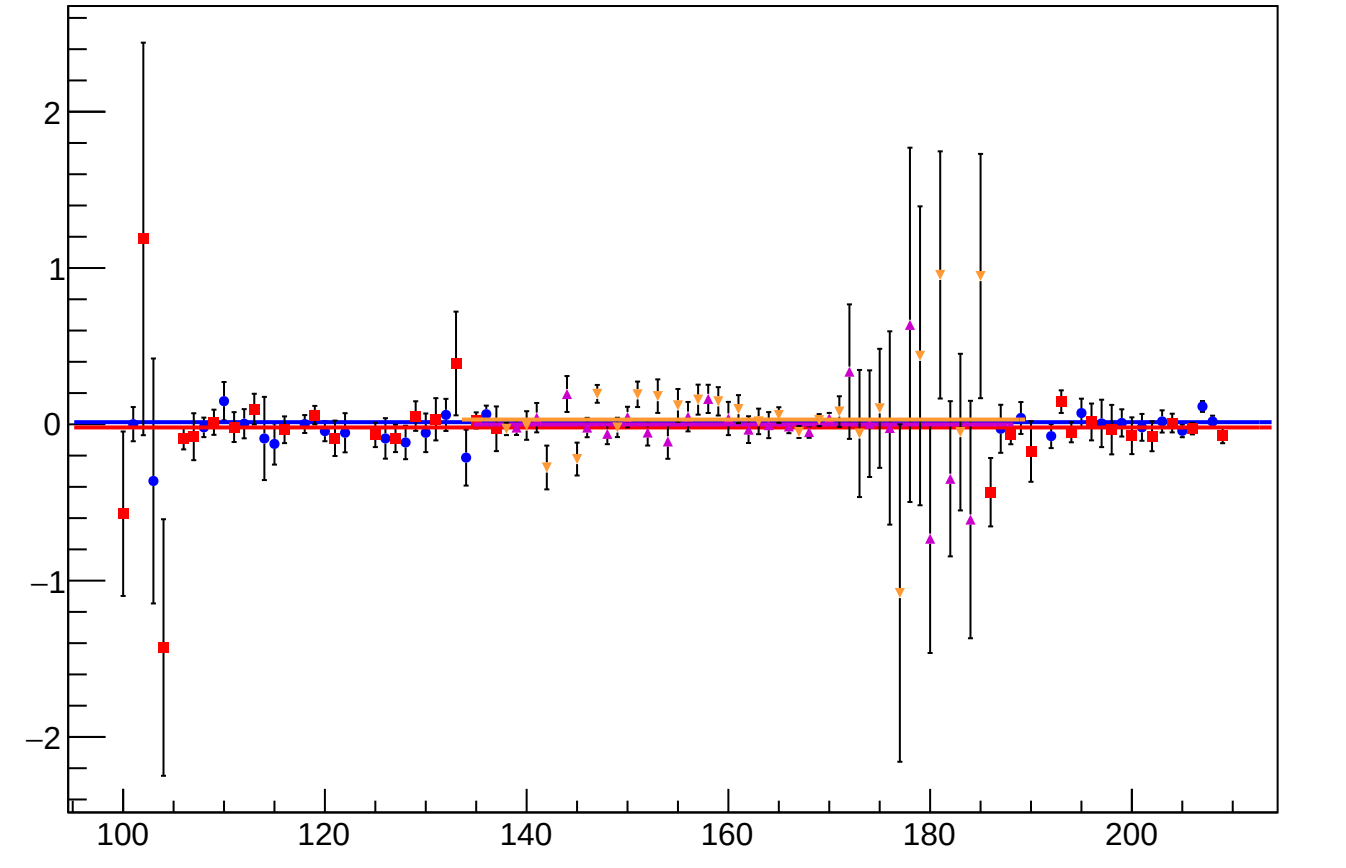
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.2/50

All: -0.000+/-0.000 χ^2/NDF: 121.6/103

- sign 0.000+/-0.000 χ^2/NDF: 44.1/52


asym_us_dd_at2lr_dd_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: 0.004+/-0.000 χ²/NDF: 12019542.9/26
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 15140613.9/29
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 21686327.6/50
All: 0.004+/-0.000 χ²/NDF: 47084731.1/103
- sign 0.004+/-0.000 χ²/NDF: 25291894.2/52



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

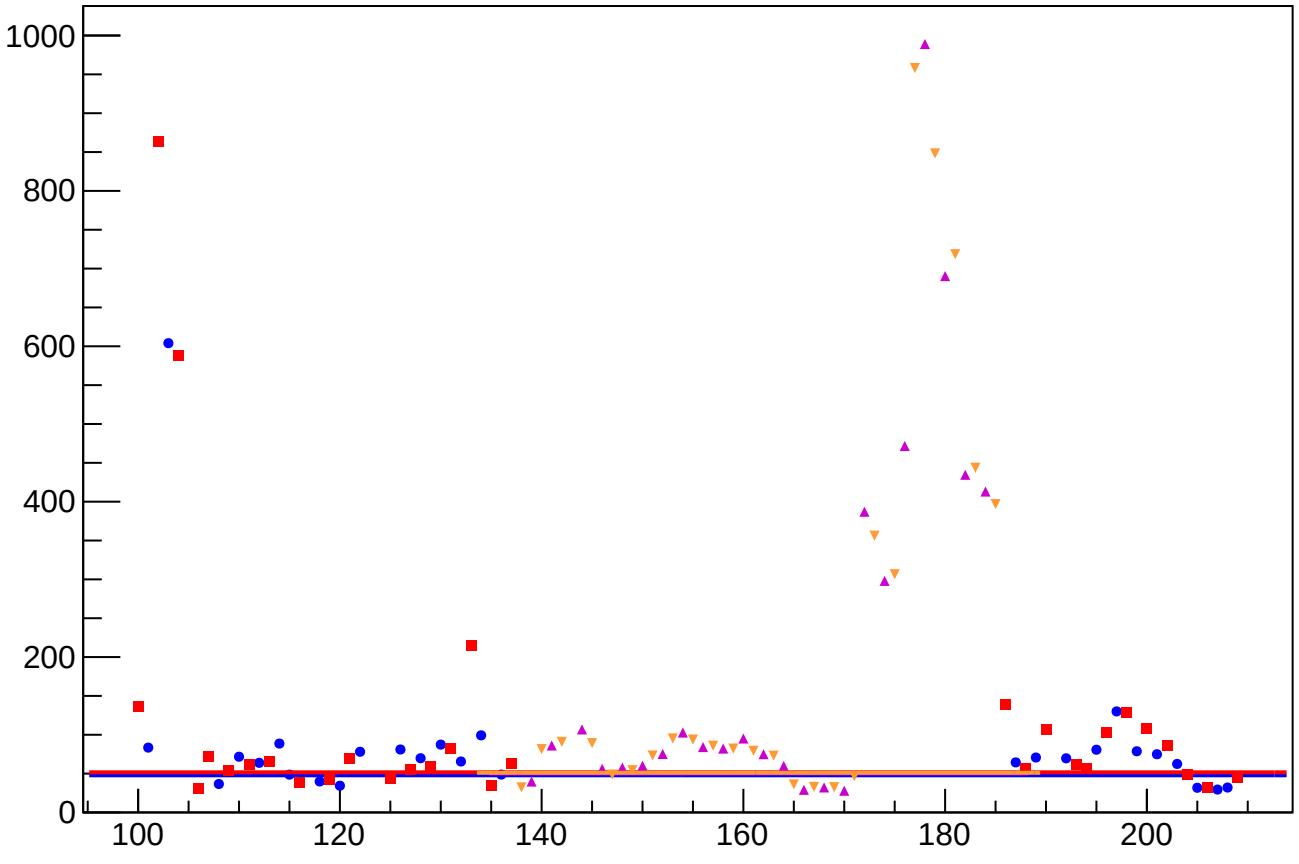
Right Out: -0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.006+/-0.007 χ^2/NDF: 111.2/103

- sign -0.011+/-0.011 χ^2/NDF: 42.9/52



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

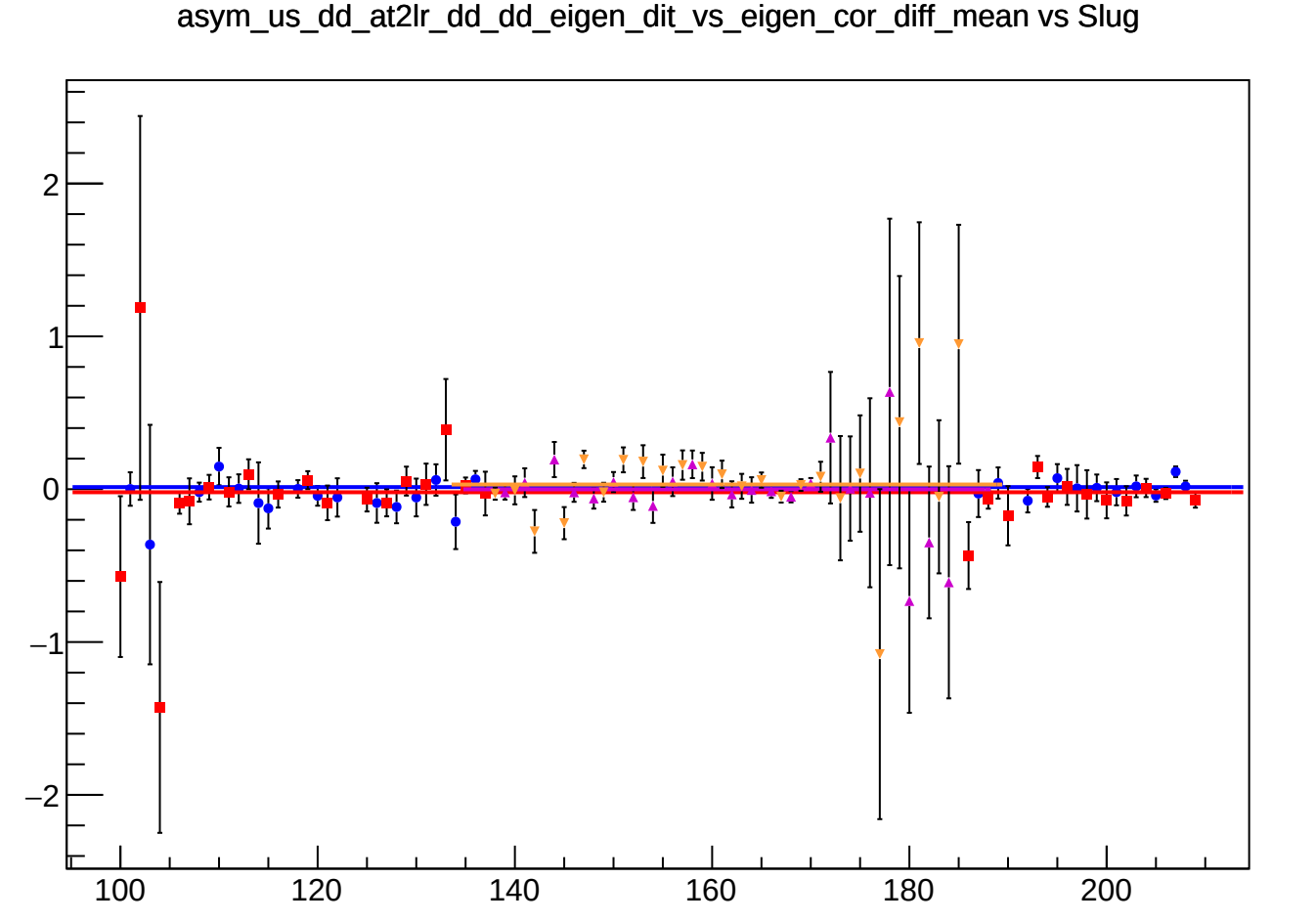
Right Out: 51.675+/-0.011 χ^2/NDF: 5741361.4/29

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 49.321+/-0.007 χ^2/NDF: 17026370.6/50

All: 50.133+/-0.005 χ^2/NDF: 34996859.6/103

- sign 50.978+/-0.008 χ^2/NDF: 17945929.8/52



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

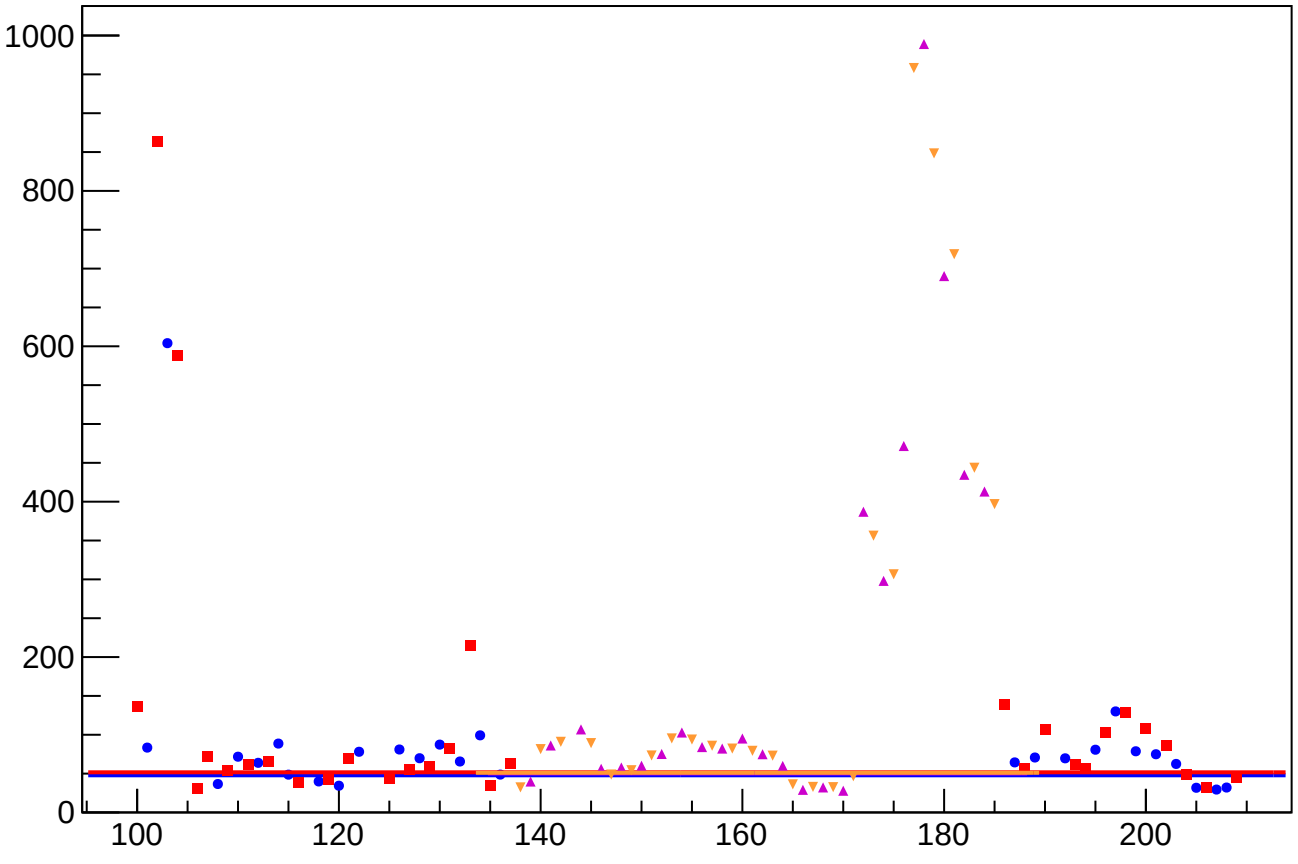
Right Out: -0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.021+/-0.010 χ^2/NDF: 63.7/50

All: 0.006+/-0.007 χ^2/NDF: 111.2/103

- sign -0.011+/-0.011 χ^2/NDF: 42.9/52



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

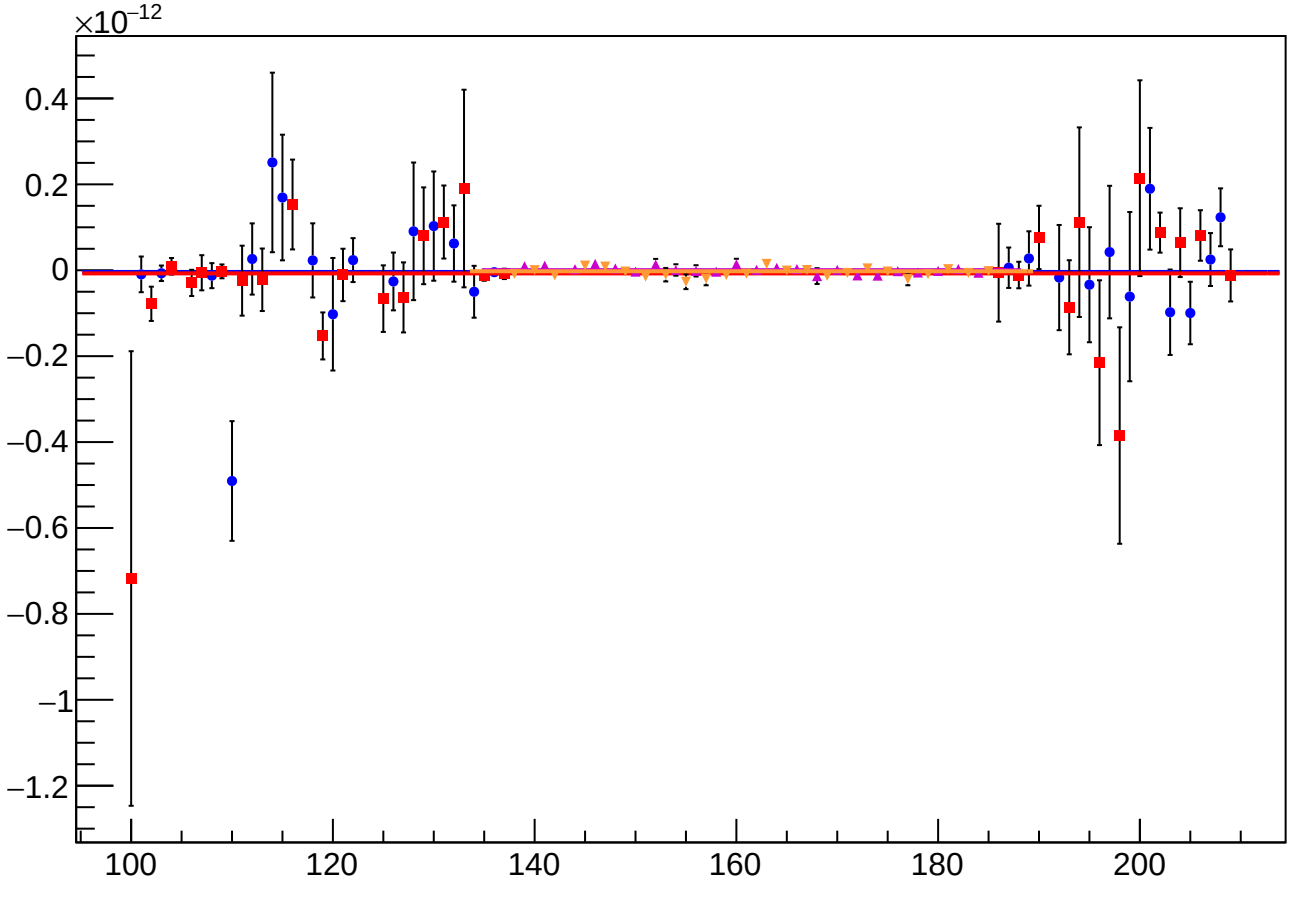
Right Out: 51.675+/-0.011 χ^2/NDF: 5741361.4/29

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 49.321+/-0.007 χ^2/NDF: 17026370.6/50

All: 50.133+/-0.005 χ^2/NDF: 34996859.6/103

- sign 50.978+/-0.008 χ^2/NDF: 17945929.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

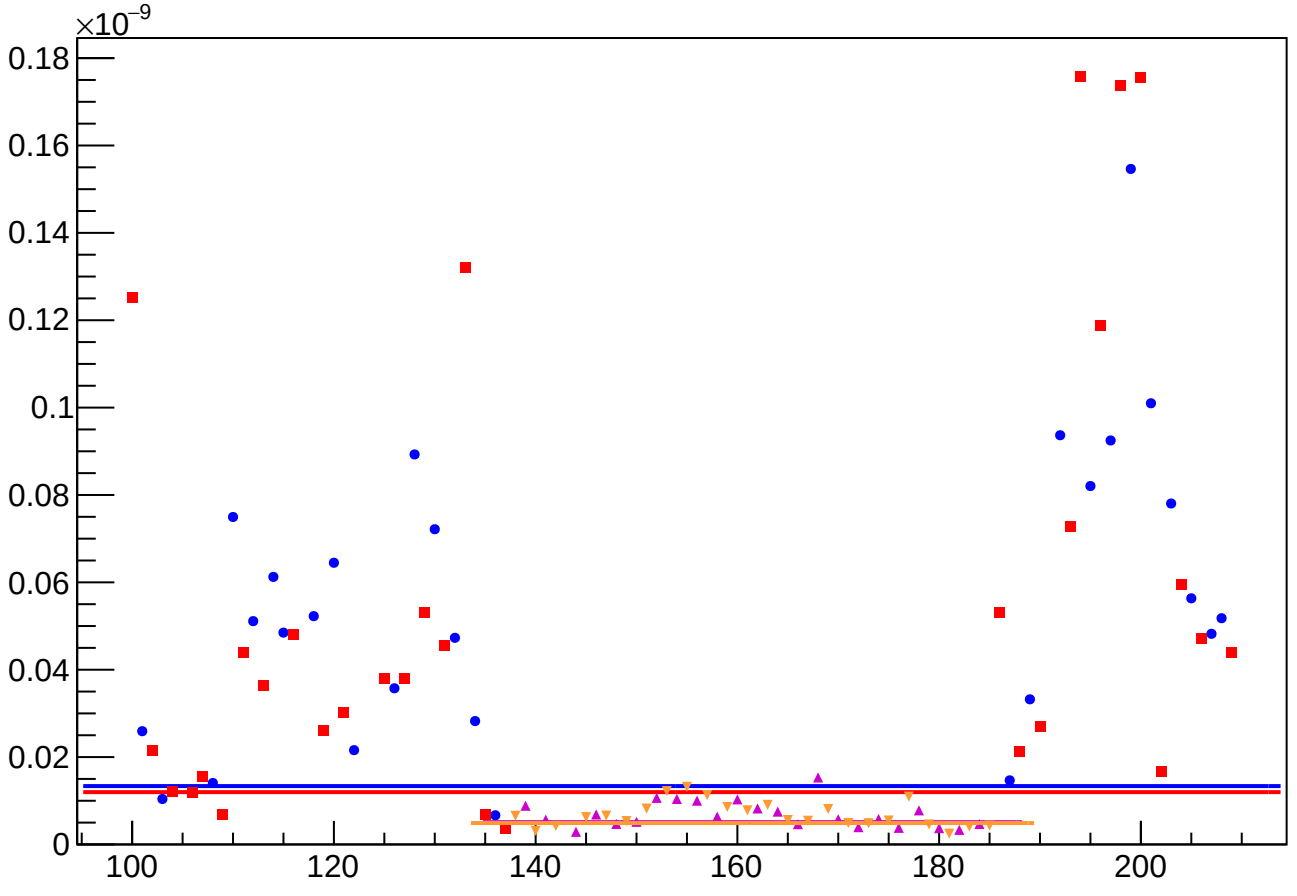
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/29

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/50

All: -0.000+/-0.000 χ^2/NDF: 104.4/103

- sign -0.000+/-0.000 χ^2/NDF: 53.7/52



Right In: 0.000+/-0.000 χ^2/NDF: 11616982.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11060517.9/29

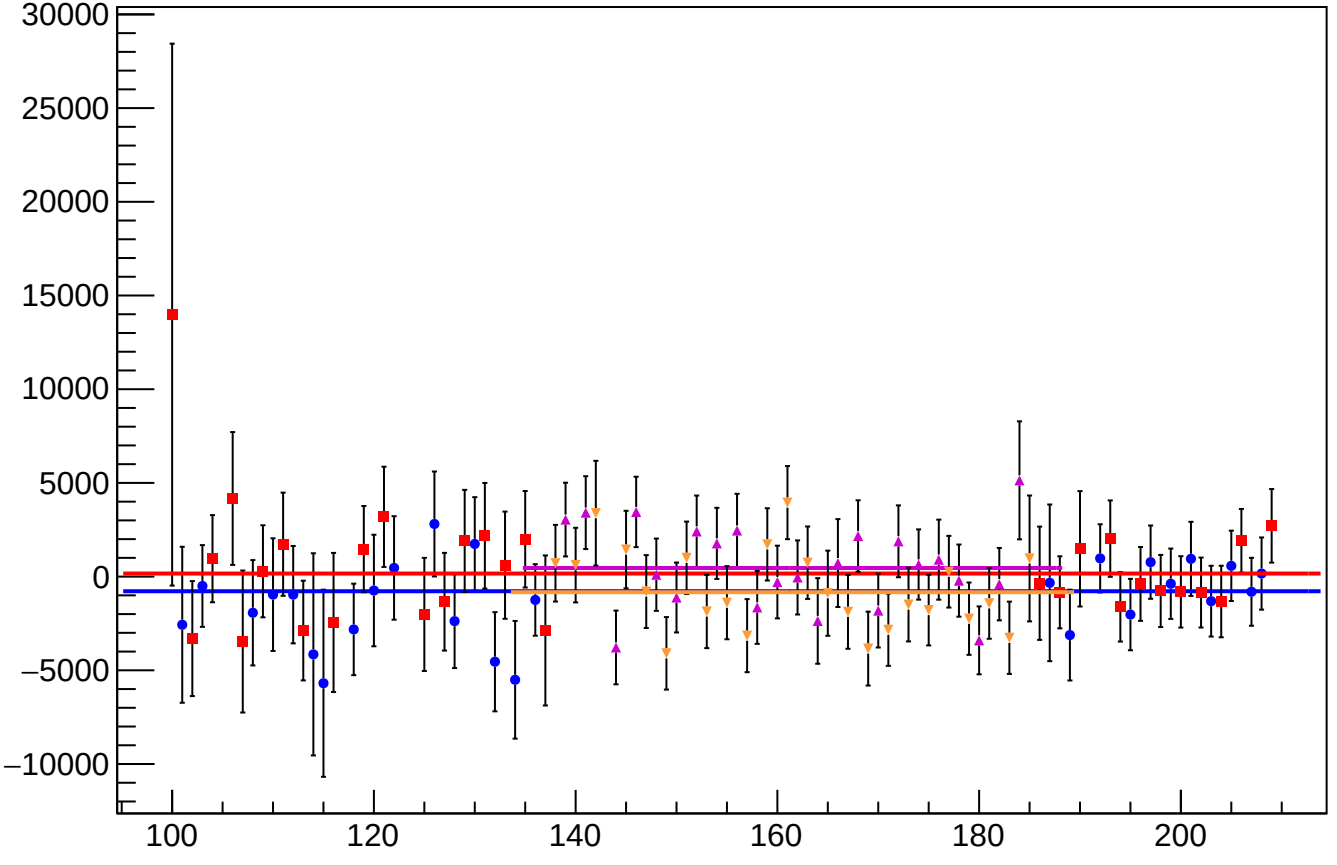
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 19074018.1/50

All: 0.000+/-0.000 χ^2/NDF: 36291359.5/103

- sign 0.000+/-0.000 χ^2/NDF: 17198568.5/52

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.948+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 163.780+/-441.651 χ^2/NDF: 17.6/29

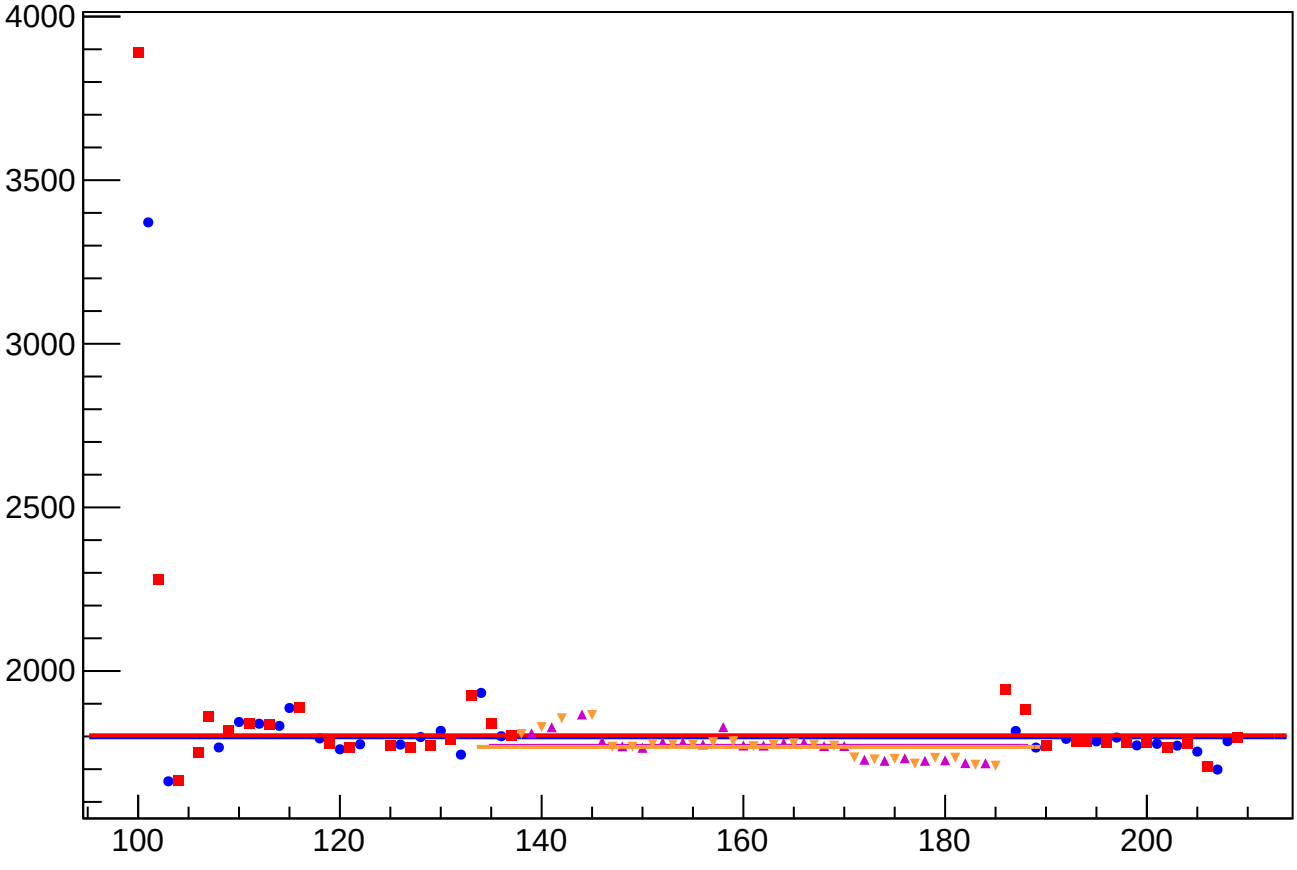
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -809.362+/-304.474 χ^2/NDF: 40.1/50

All: -239.204+/-214.381 χ^2/NDF: 92.1/103

- sign 321.366+/-301.904 χ^2/NDF: 45.1/52

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545+/-0.321 χ^2/NDF: 309218.7/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

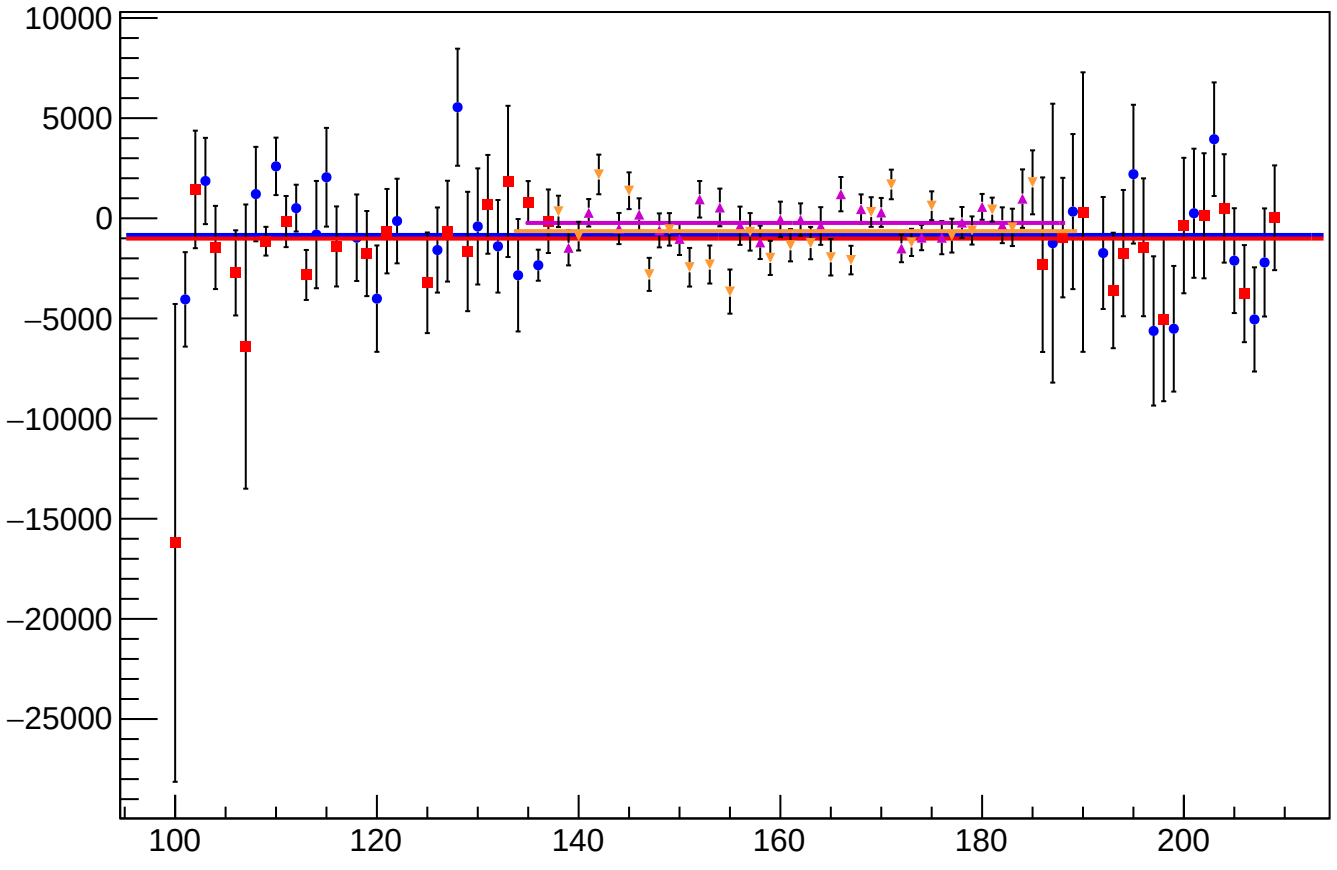
Right Out: 1803.619+/-0.312 χ^2/NDF: 121914.1/29

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.356+/-0.215 χ^2/NDF: 330198.0/50

All: 1783.878+/-0.152 χ^2/NDF: 474544.6/103

- sign 1786.358+/-0.213 χ^2/NDF: 144074.4/52



Right In: -830.775+/-400.346 χ^2/NDF: 34.3/26

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

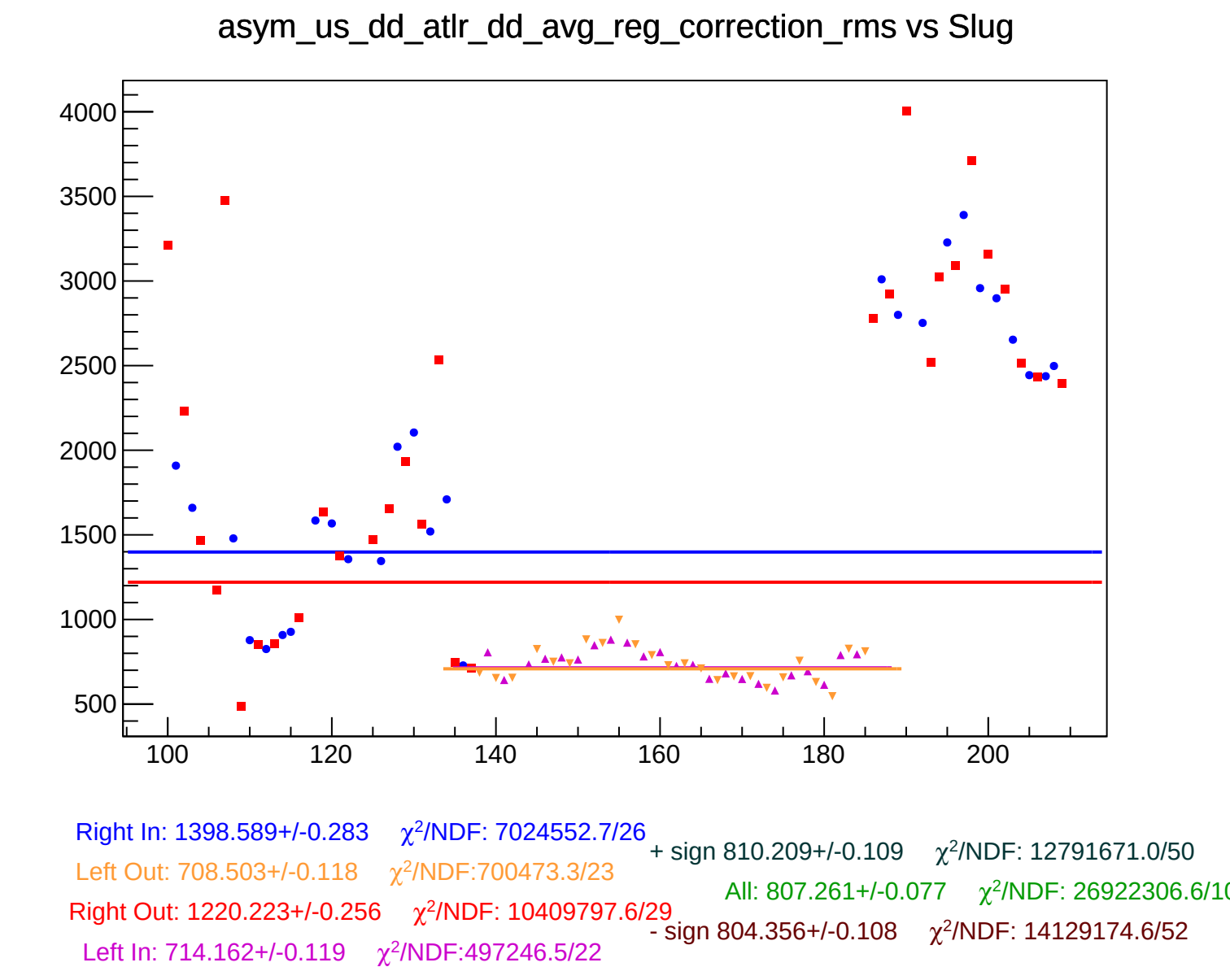
Right Out: -1013.603+/-361.428 χ^2/NDF: 15.5/29

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

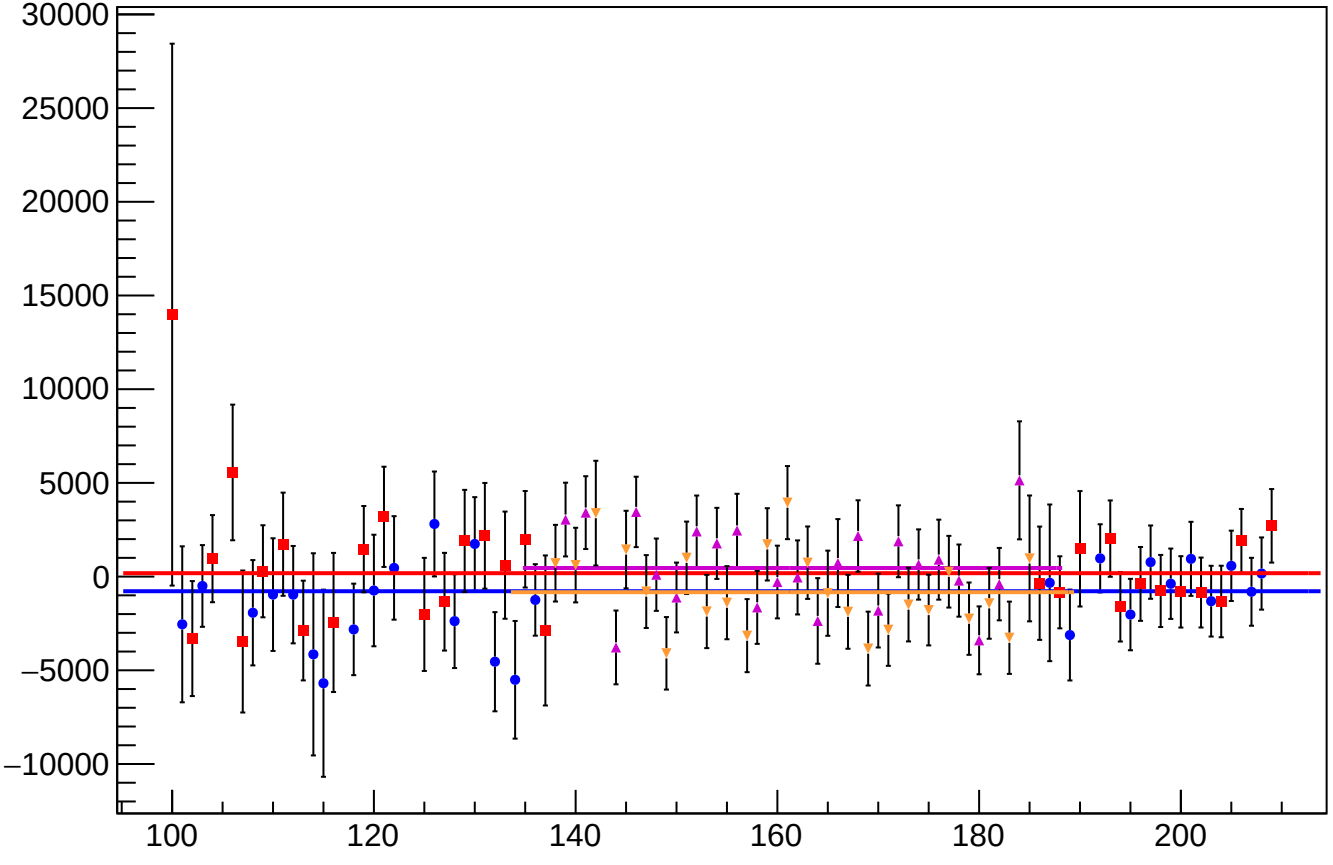
+ sign -668.994+/-153.695 χ^2/NDF: 101.2/50

All: -518.512+/-108.284 χ^2/NDF: 142.4/103

- sign -370.196+/-152.584 χ^2/NDF: 39.3/52


asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1398.589+/-0.283 χ²/NDF: 7024552.7/26
Left Out: 708.503+/-0.118 χ²/NDF:700473.3/23
Right Out: 1220.223+/-0.256 χ²/NDF: 10409797.6/29
Left In: 714.162+/-0.119 χ²/NDF:497246.5/22
+ sign 810.209+/-0.109 χ²/NDF: 12791671.0/50
All: 807.261+/-0.077 χ²/NDF: 26922306.6/10
- sign 804.356+/-0.108 χ²/NDF: 14129174.6/52

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 181.895+/-441.791 χ^2/NDF: 18.5/29

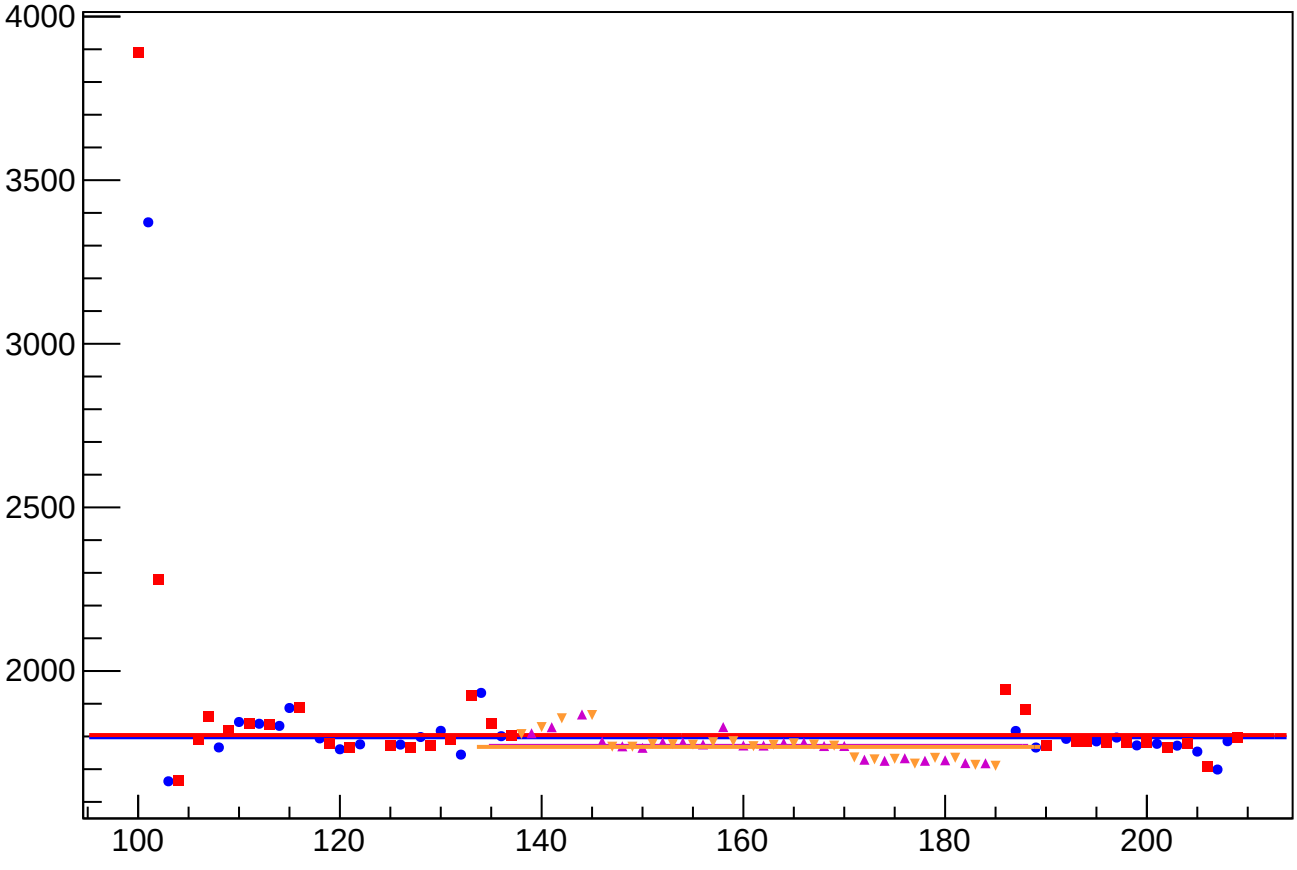
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -809.194+/-304.474 χ^2/NDF: 40.1/50

All: -234.926+/-214.397 χ^2/NDF: 93.1/103

- sign 329.853+/-301.948 χ^2/NDF: 46.0/52

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

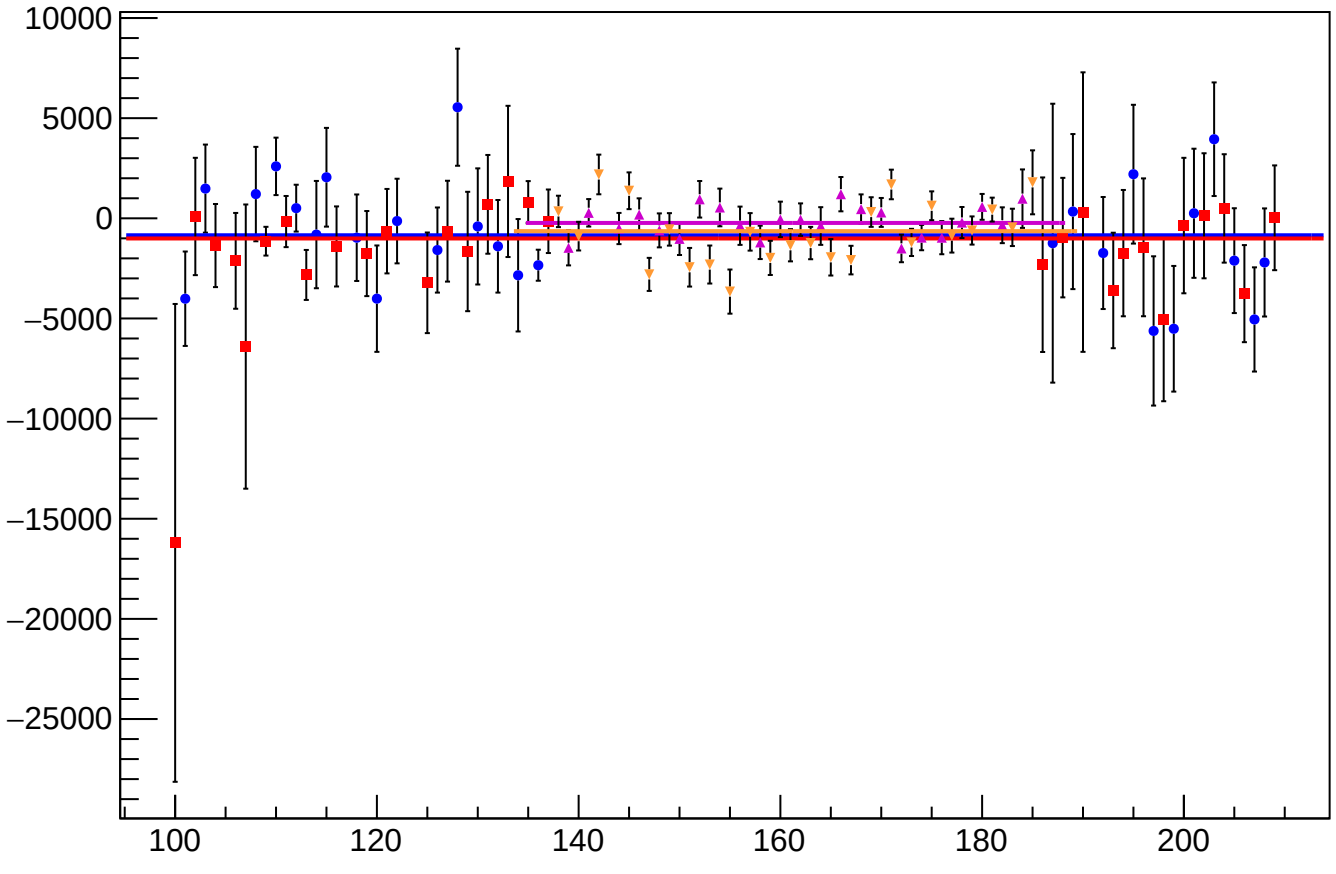
Right Out: 1804.262+/-0.312 χ^2/NDF: 121485.0/29

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.356+/-0.215 χ^2/NDF: 330199.8/50

All: 1784.027+/-0.152 χ^2/NDF: 474378.2/103

- sign 1786.653+/-0.214 χ^2/NDF: 143873.1/52



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -1006.749+/-362.507 χ^2/NDF: 14.5/29

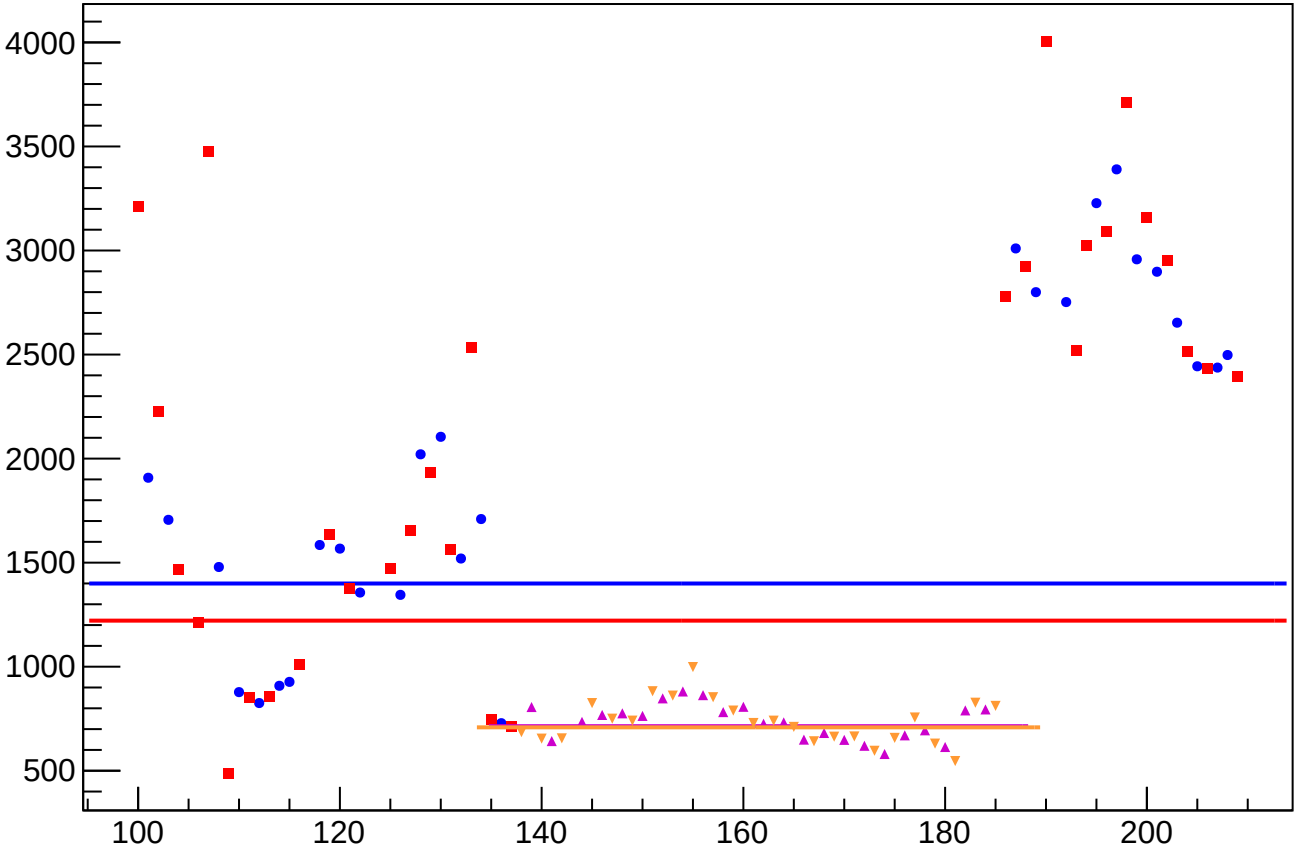
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -671.225+/-153.711 χ^2/NDF: 100.7/50

All: -518.695+/-108.319 χ^2/NDF: 140.9/103

- sign -368.233+/-152.666 χ^2/NDF: 38.2/52

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1221.349+/-0.256 χ^2/NDF: 10407801.3/29

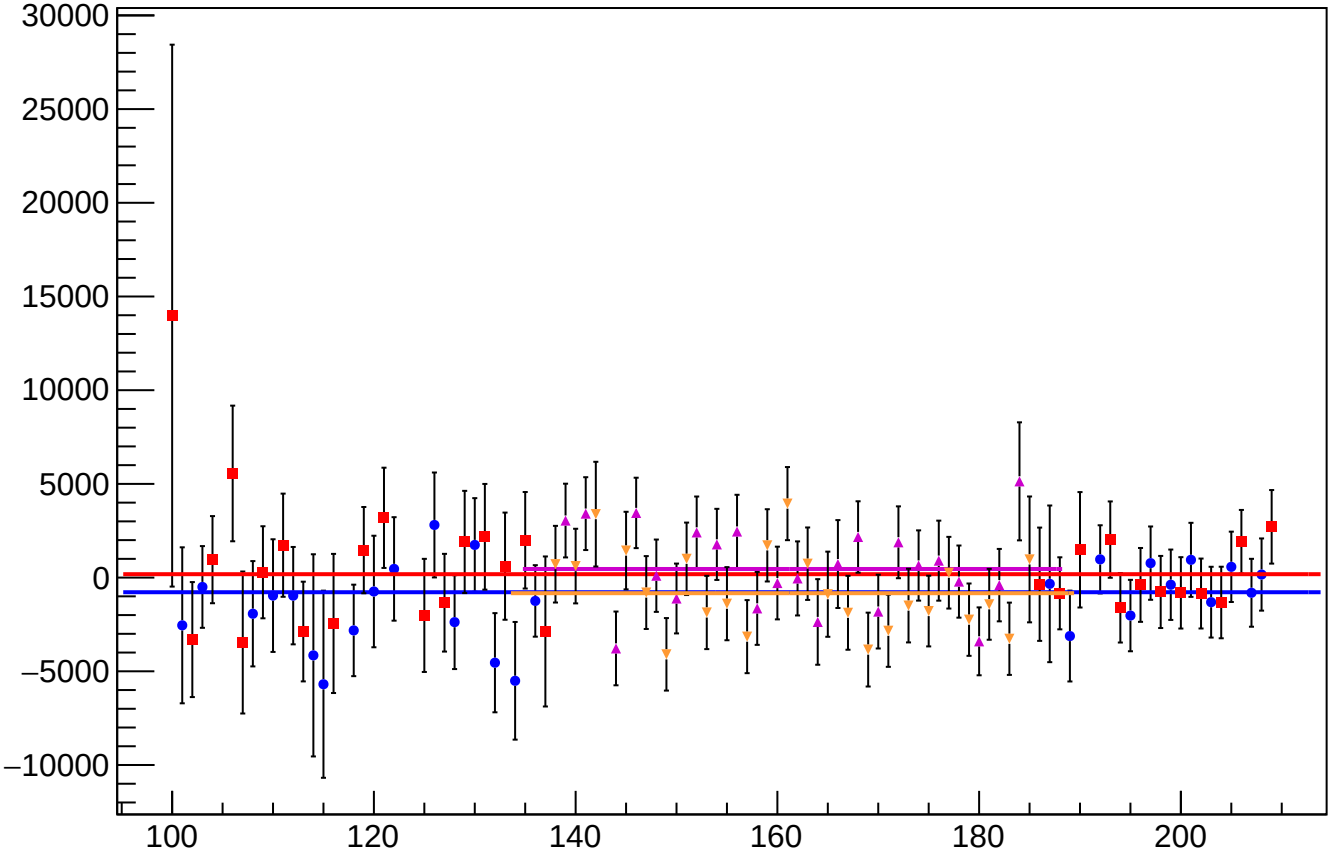
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 810.267+/-0.109 χ^2/NDF: 12811908.4/50

All: 807.173+/-0.077 χ^2/NDF: 26939146.3/10

- sign 804.121+/-0.108 χ^2/NDF: 14125628.0/52

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 181.895+/-441.791 χ^2/NDF: 18.5/29

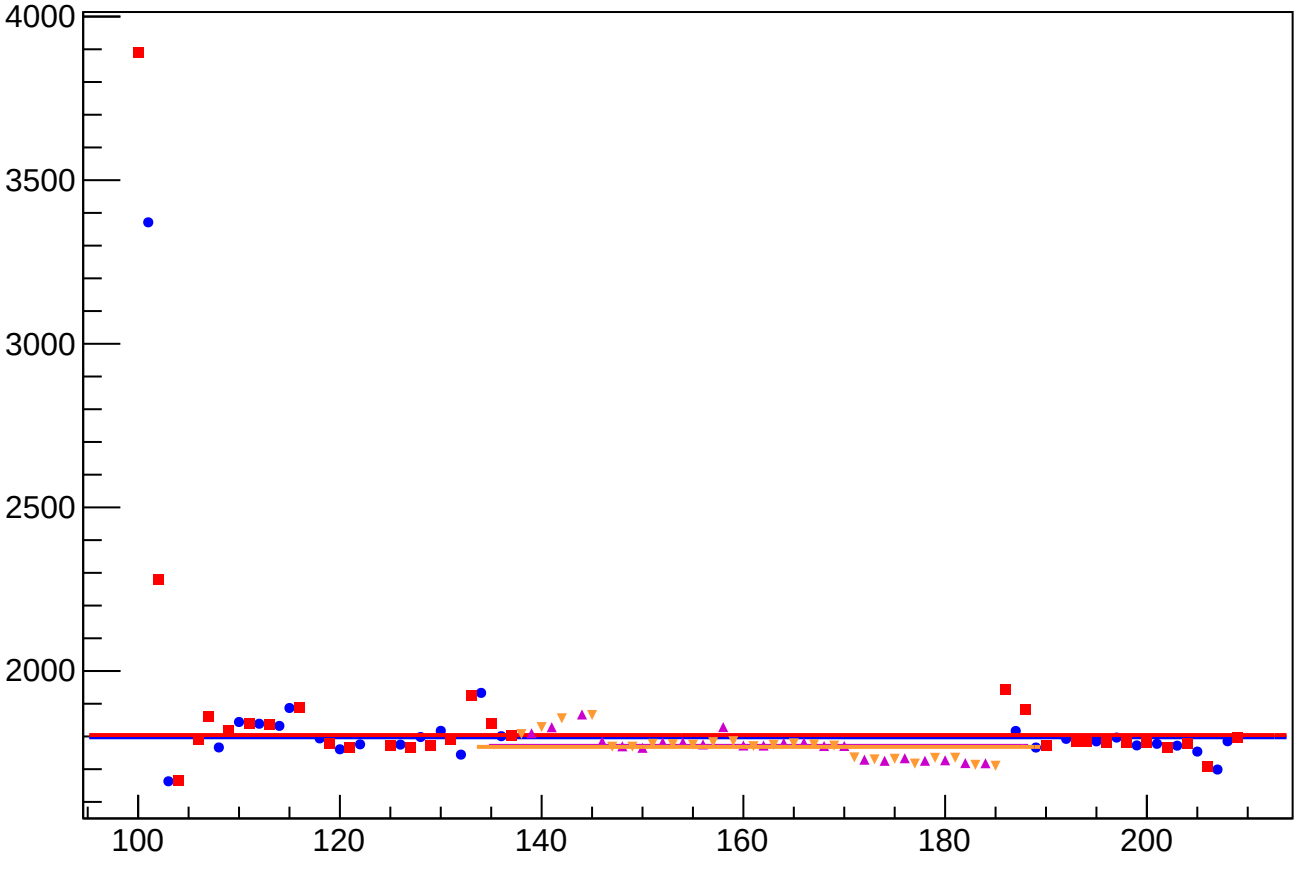
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -809.194+/-304.474 χ^2/NDF: 40.1/50

All: -234.926+/-214.397 χ^2/NDF: 93.1/103

- sign 329.853+/-301.948 χ^2/NDF: 46.0/52

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

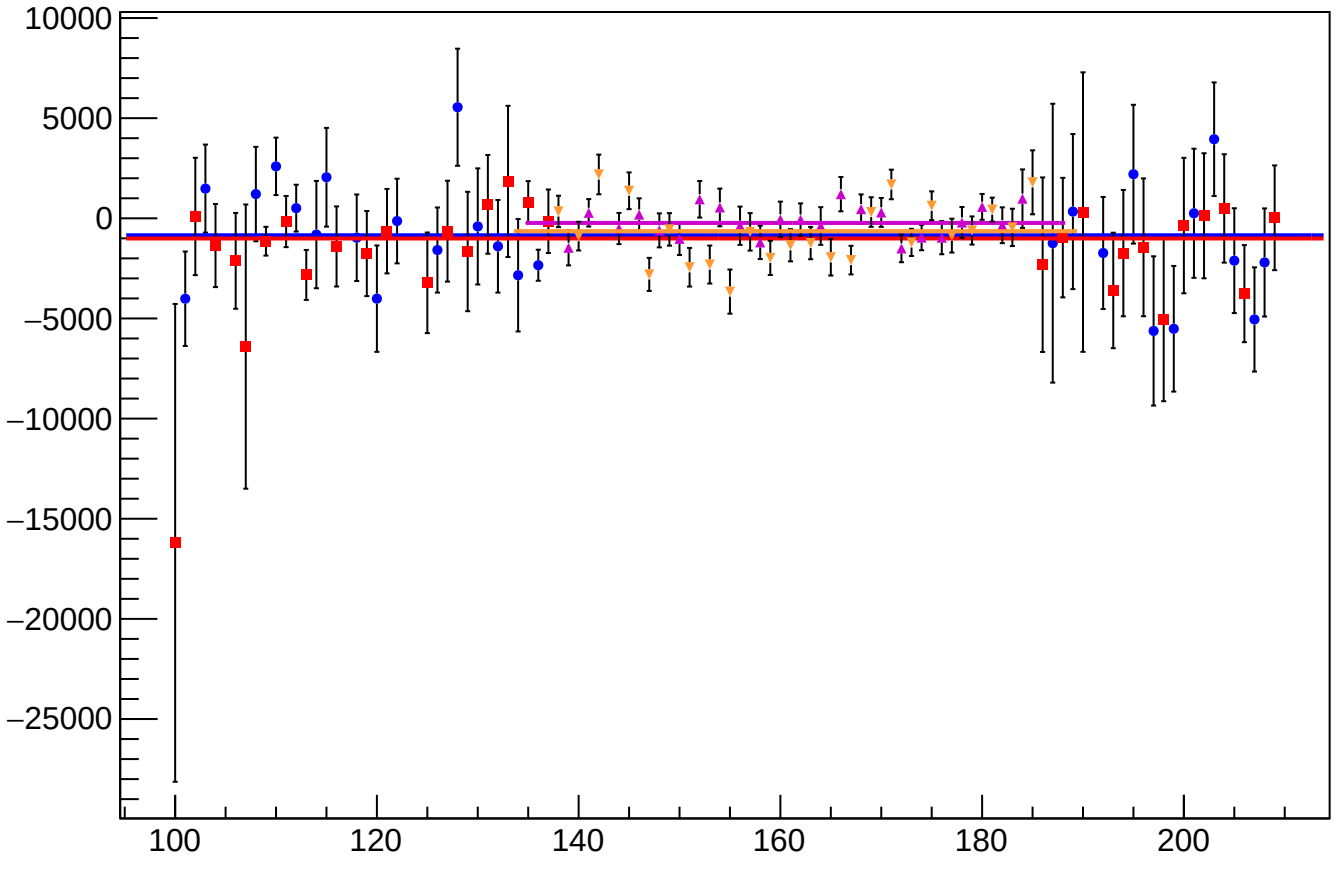
Right Out: 1804.262+/-0.312 χ^2/NDF: 121485.0/29

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.356+/-0.215 χ^2/NDF: 330199.8/50

All: 1784.027+/-0.152 χ^2/NDF: 474378.2/103

- sign 1786.653+/-0.214 χ^2/NDF: 143873.1/52



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

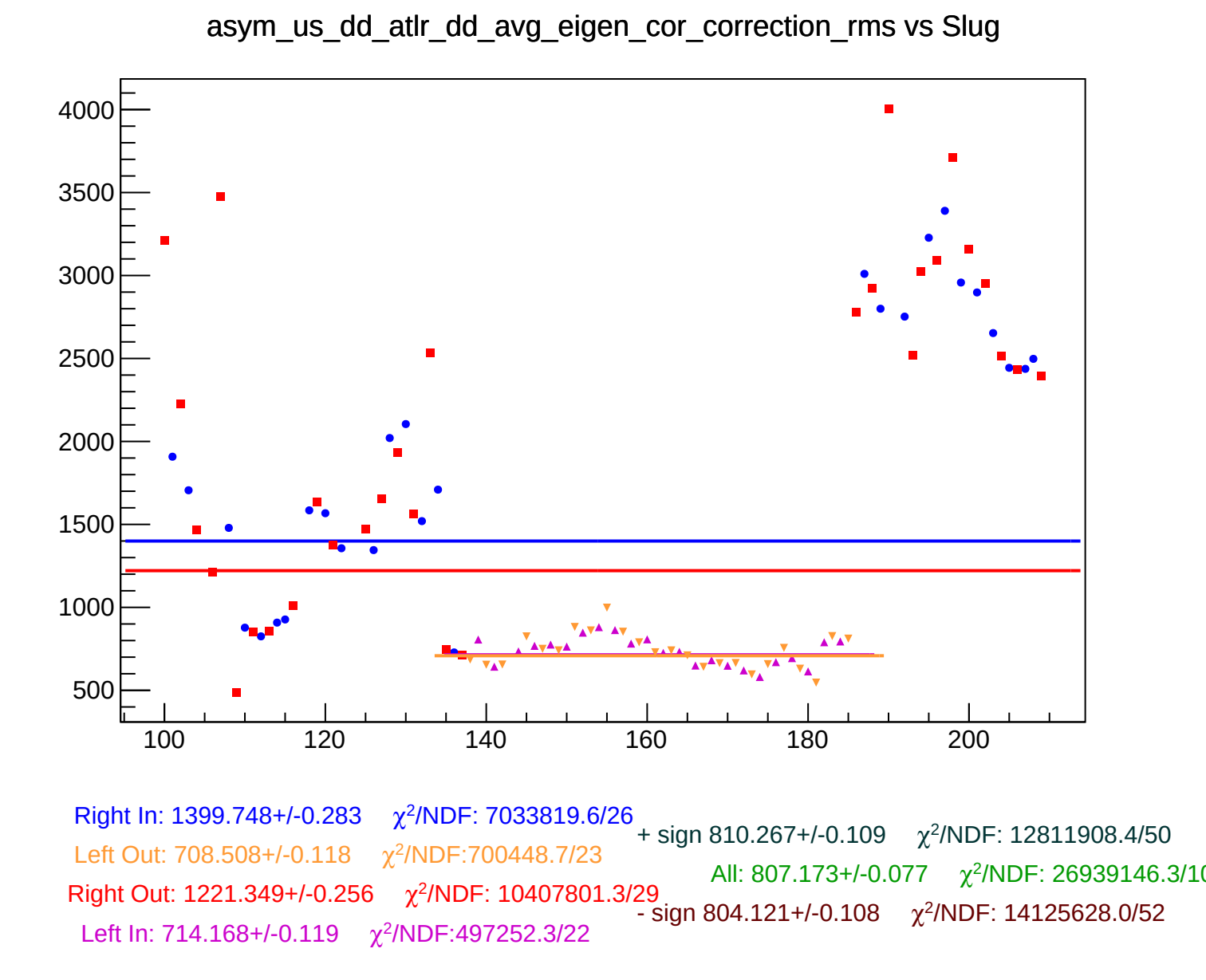
Right Out: -1006.749+/-362.507 χ^2/NDF: 14.5/29

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -671.225+/-153.711 χ^2/NDF: 100.7/50

All: -518.695+/-108.319 χ^2/NDF: 140.9/103

- sign -368.233+/-152.666 χ^2/NDF: 38.2/52


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug
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160
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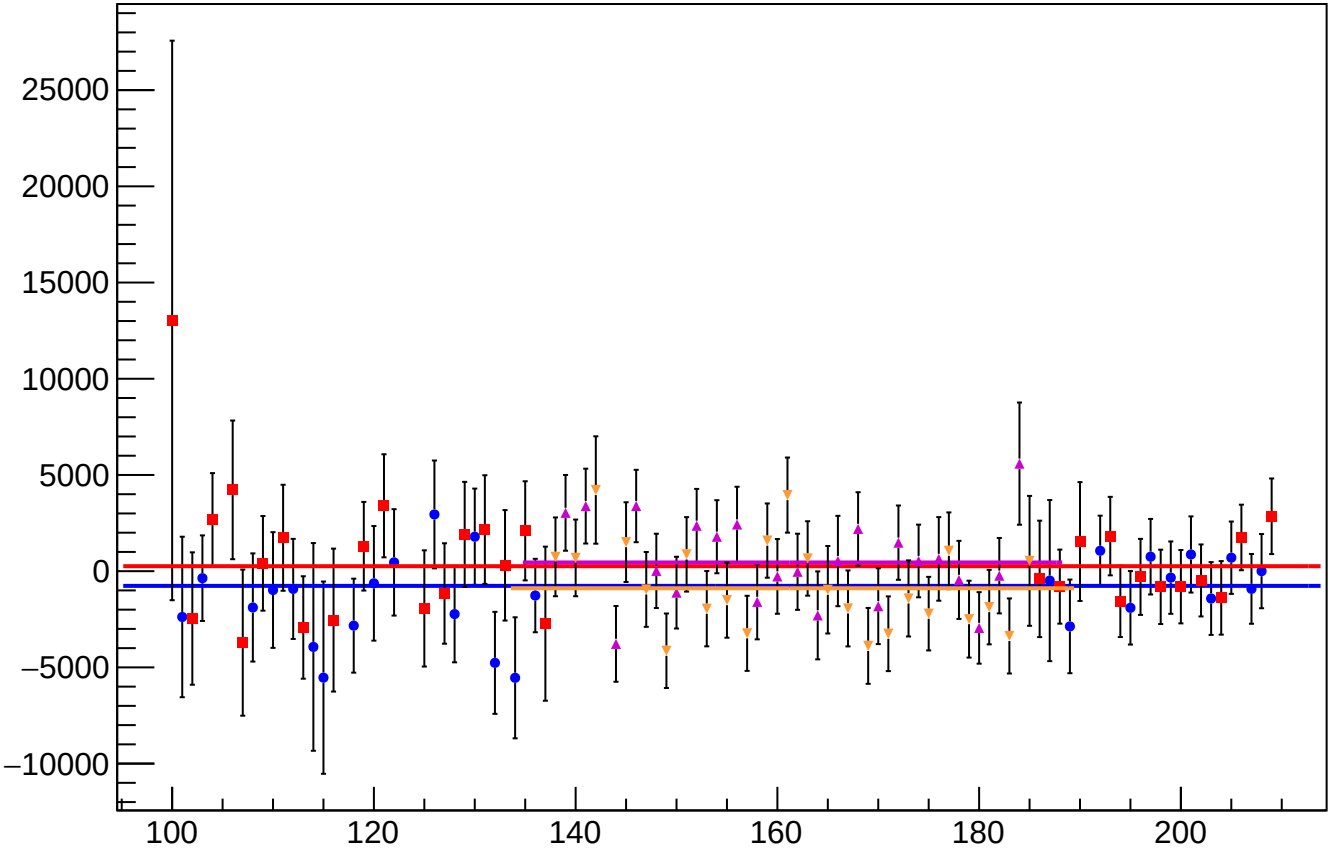
200
Right In: 1399.748+/-0.283 χ²/NDF: 7033819.6/26
Left Out: 708.508+/-0.118 χ²/NDF:700448.7/23
Right Out: 1221.349+/-0.256 χ²/NDF: 10407801.3/29
Left In: 714.168+/-0.119 χ²/NDF:497252.3/22
+ sign 810.267+/-0.109 χ²/NDF: 12811908.4/50
All: 807.173+/-0.077 χ²/NDF: 26939146.3/10
- sign 804.121+/-0.108 χ²/NDF: 14125628.0/52

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -763.746+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 259.110+/-444.064 χ^2/NDF: 17.5/29

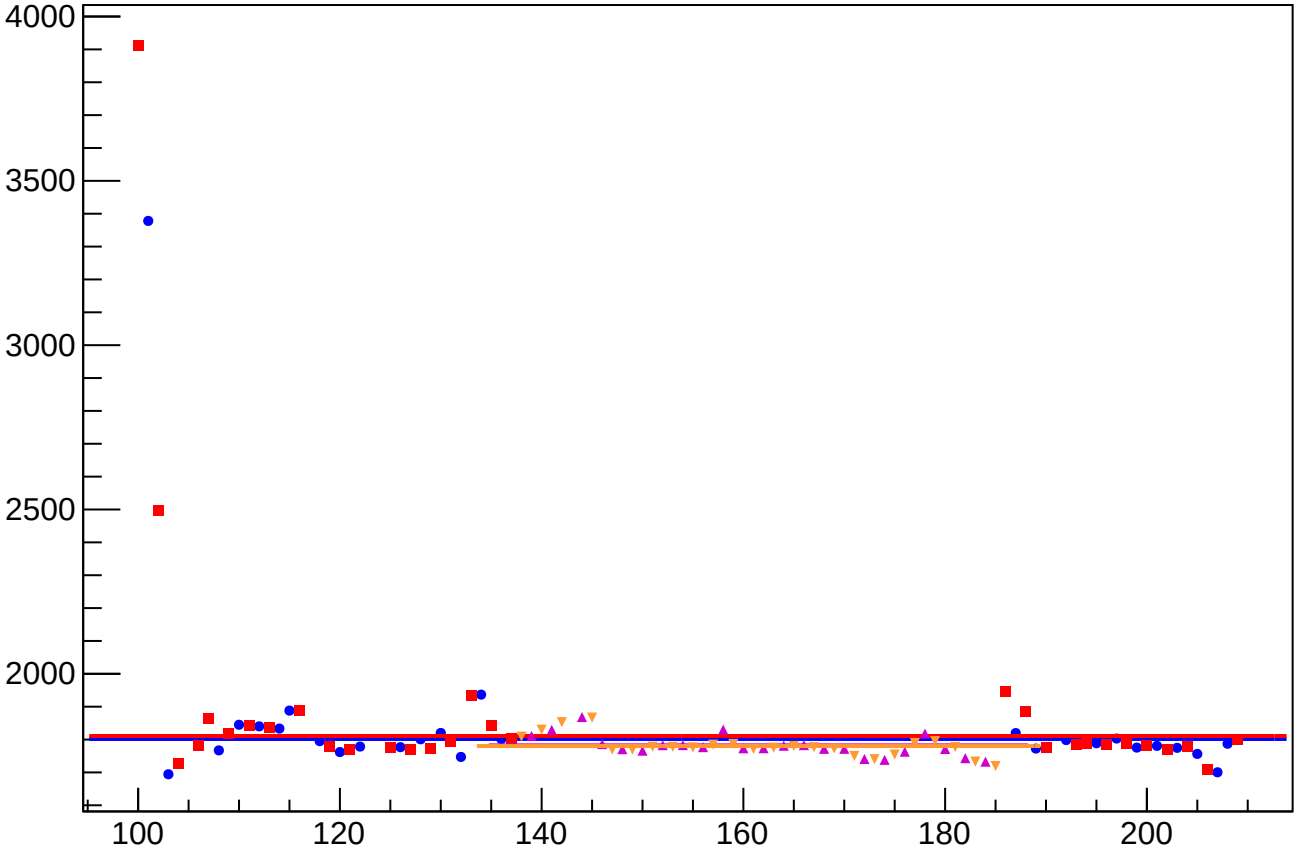
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -830.948+/-305.928 χ^2/NDF: 42.8/50

All: -229.828+/-215.521 χ^2/NDF: 93.9/103

- sign 362.454+/-303.671 χ^2/NDF: 43.4/52

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.1/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

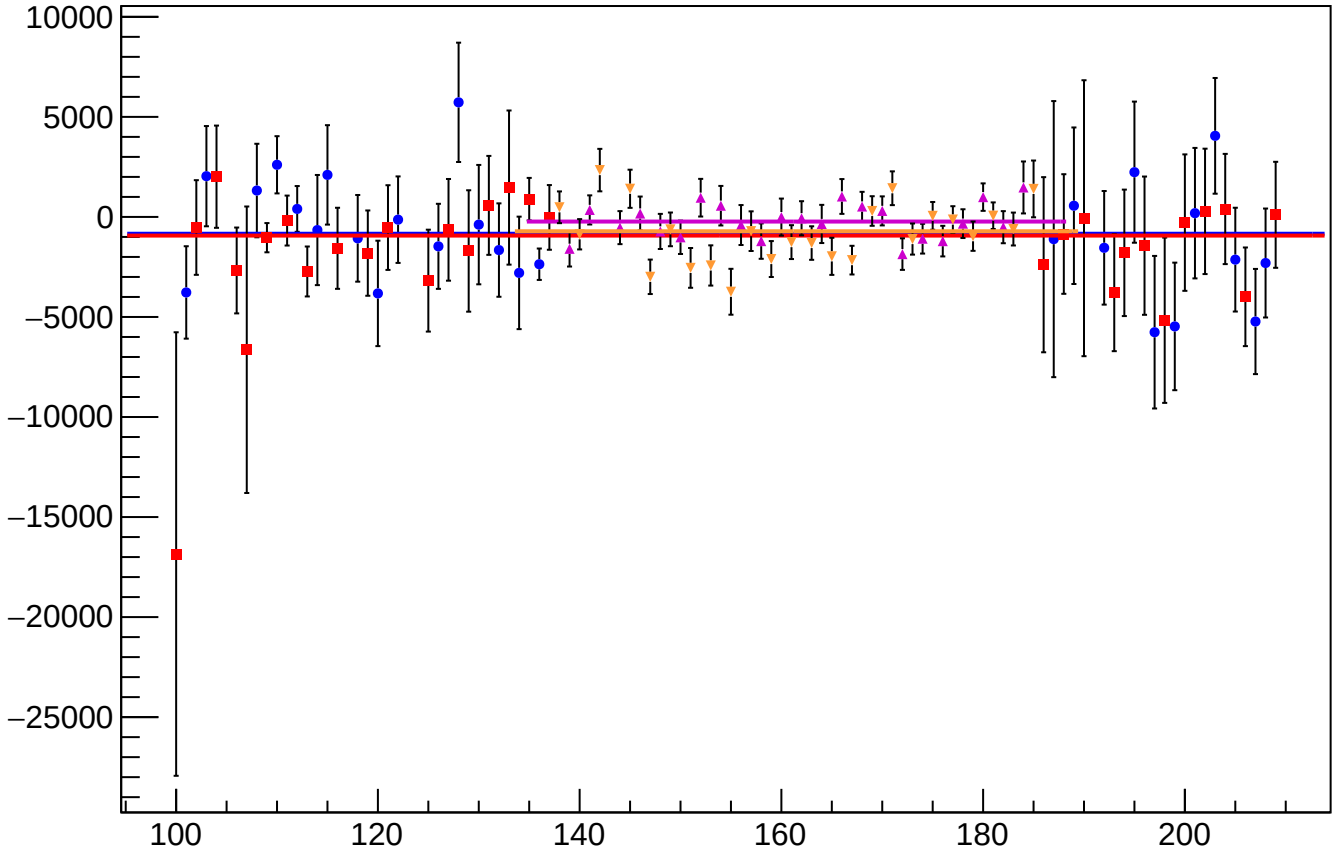
Right Out: 1810.826+/-0.314 χ^2/NDF: 149149.5/29

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.969+/-0.216 χ^2/NDF: 319358.6/50

All: 1792.825+/-0.152 χ^2/NDF: 484480.5/103

- sign 1795.639+/-0.215 χ^2/NDF: 164775.9/52



Right In: -840.600+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

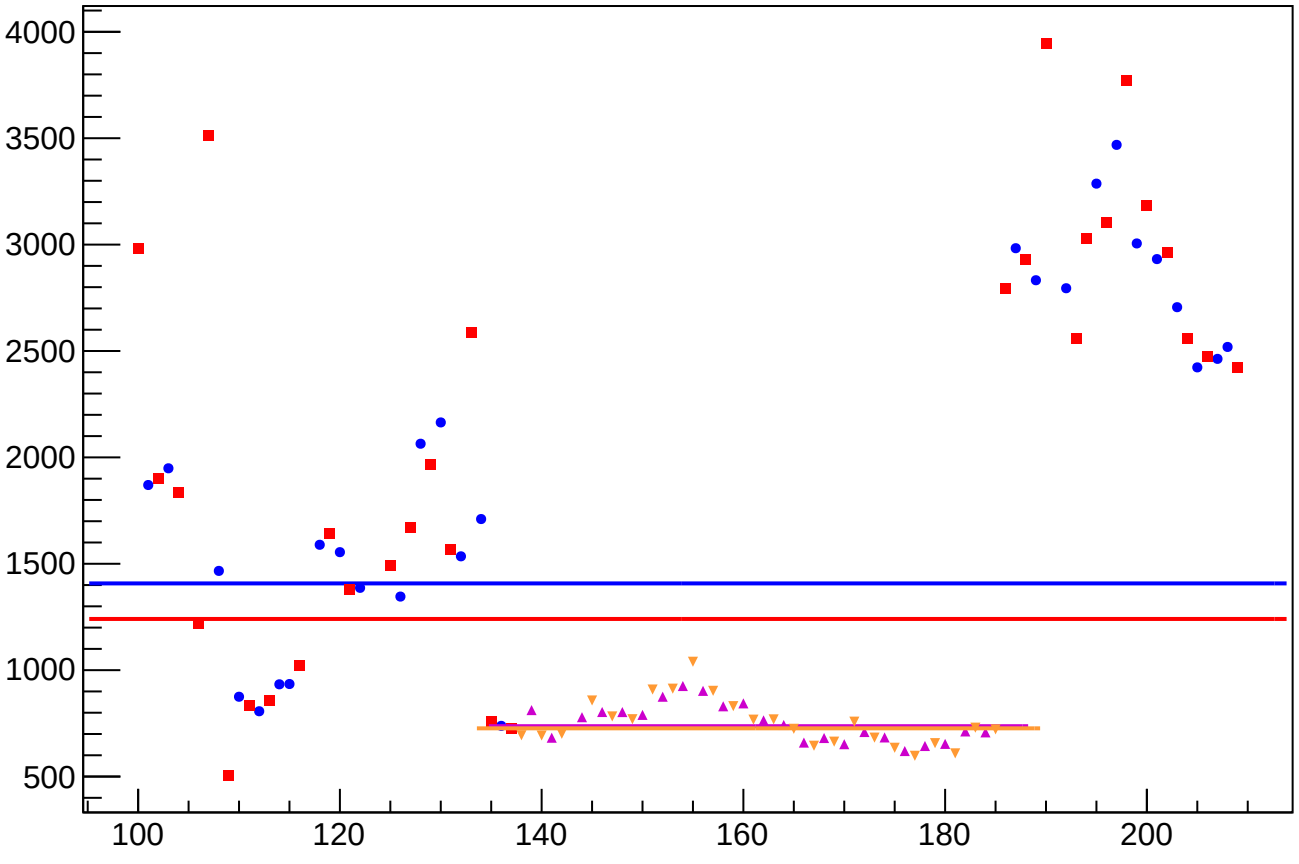
Right Out: -932.130+/-364.903 χ^2/NDF: 16.7/29

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -735.372+/-157.159 χ^2/NDF: 93.4/50

All: -547.300+/-110.945 χ^2/NDF: 140.0/103

- sign -360.462+/-156.643 χ^2/NDF: 43.8/52



Right In: 1407.720+/-0.286 χ^2/NDF: 7172660.8/26

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

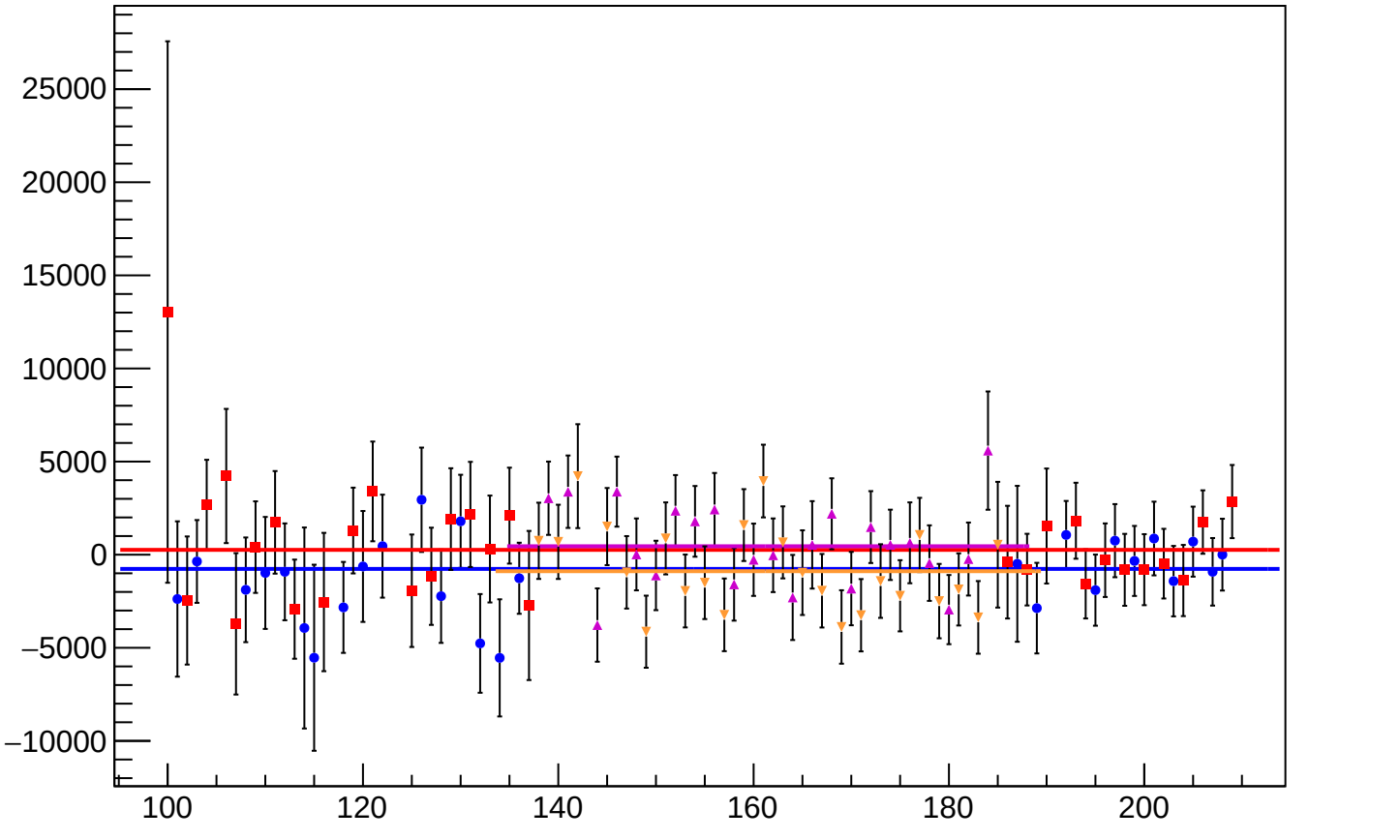
Right Out: 1240.665+/-0.258 χ^2/NDF: 10323569.3/29

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 829.718+/-0.111 χ^2/NDF: 12683528.6/50

All: 829.647+/-0.078 χ^2/NDF: 26583893.3/10

- sign 829.576+/-0.111 χ^2/NDF: 13900363.8/52



Right In: -763.747+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 259.110+/-444.064 χ^2/NDF: 17.5/29

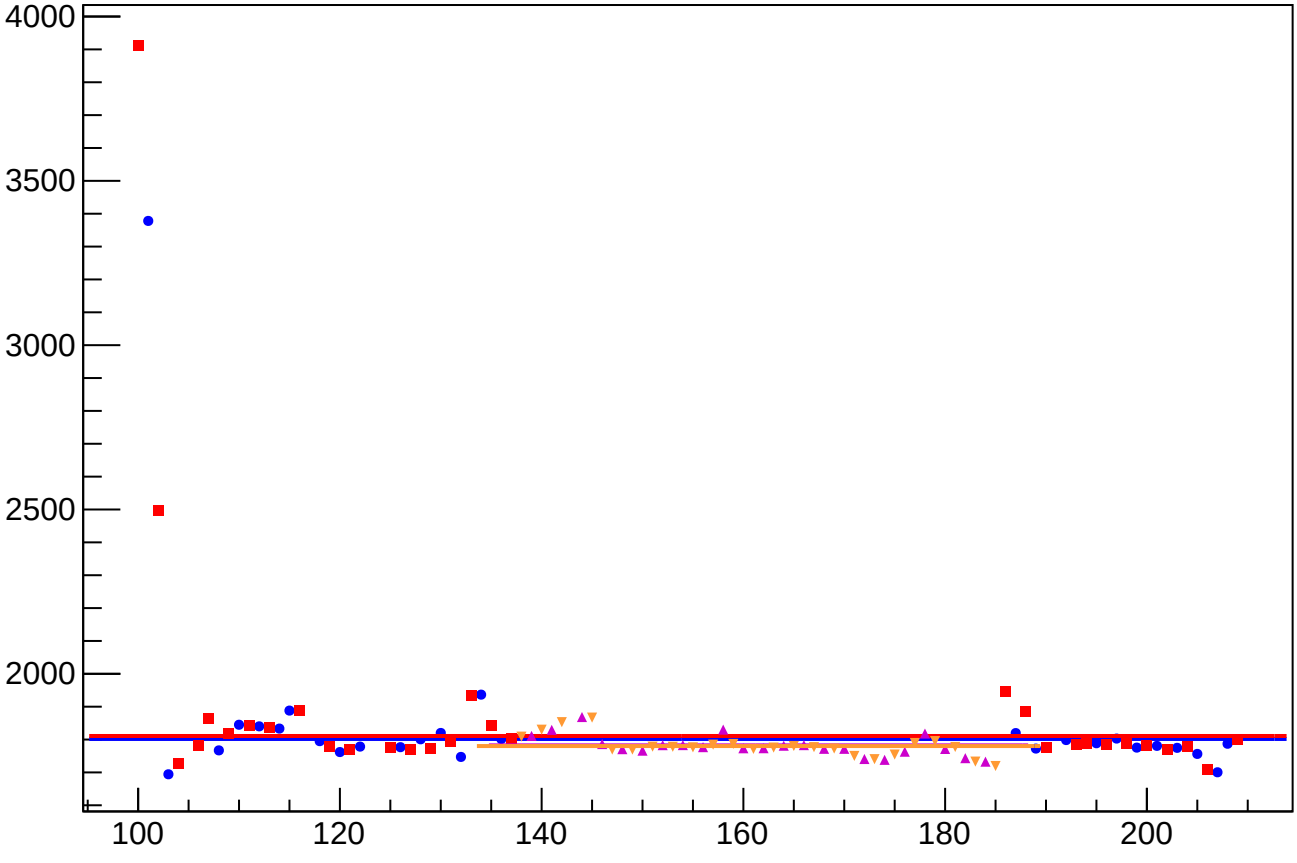
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -830.947+/-305.928 χ^2/NDF: 42.8/50

All: -229.828+/-215.521 χ^2/NDF: 93.9/103

- sign 362.454+/-303.671 χ^2/NDF: 43.4/52

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.0/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

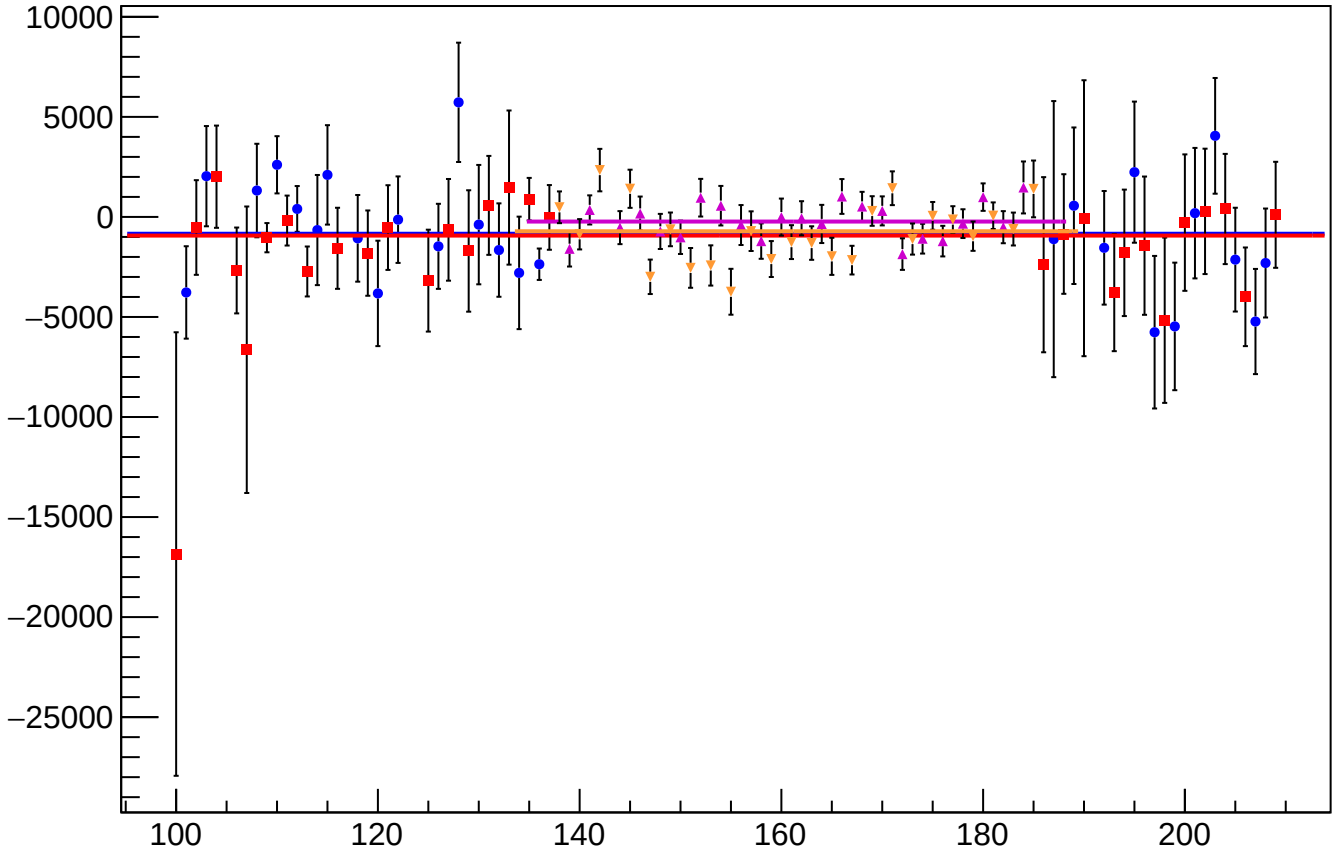
Right Out: 1810.826+/-0.314 χ^2/NDF: 149149.5/29

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.969+/-0.216 χ^2/NDF: 319358.6/50

All: 1792.825+/-0.152 χ^2/NDF: 484480.7/103

- sign 1795.639+/-0.215 χ^2/NDF: 164776.0/52



Right In: -840.589+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

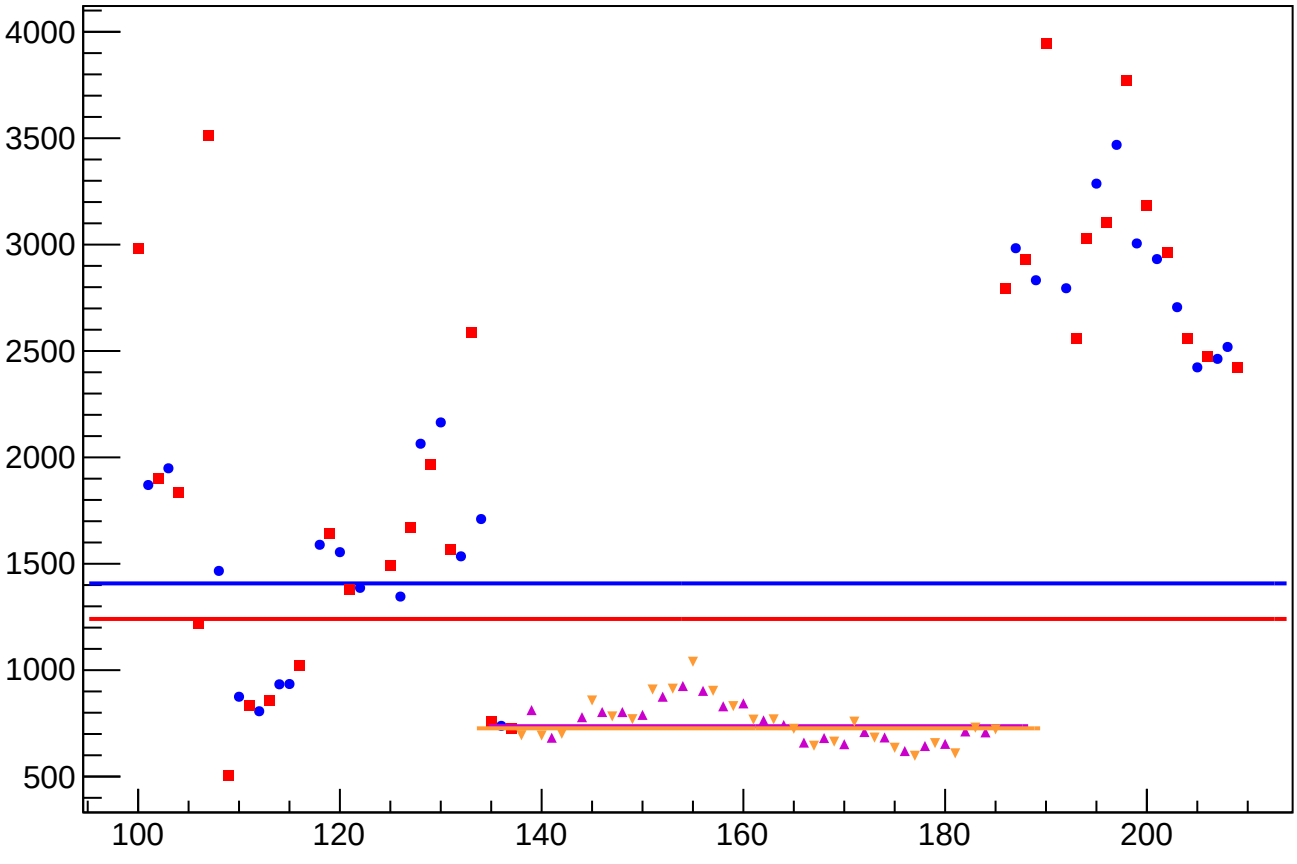
Right Out: -932.136+/-364.903 χ^2/NDF: 16.7/29

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -735.371+/-157.159 χ^2/NDF: 93.4/50

All: -547.299+/-110.945 χ^2/NDF: 140.0/103

- sign -360.461+/-156.643 χ^2/NDF: 43.8/52



Right In: 1407.723+/-0.286 χ^2/NDF: 7172608.8/26

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1240.668+/-0.258 χ^2/NDF: 10323530.1/29

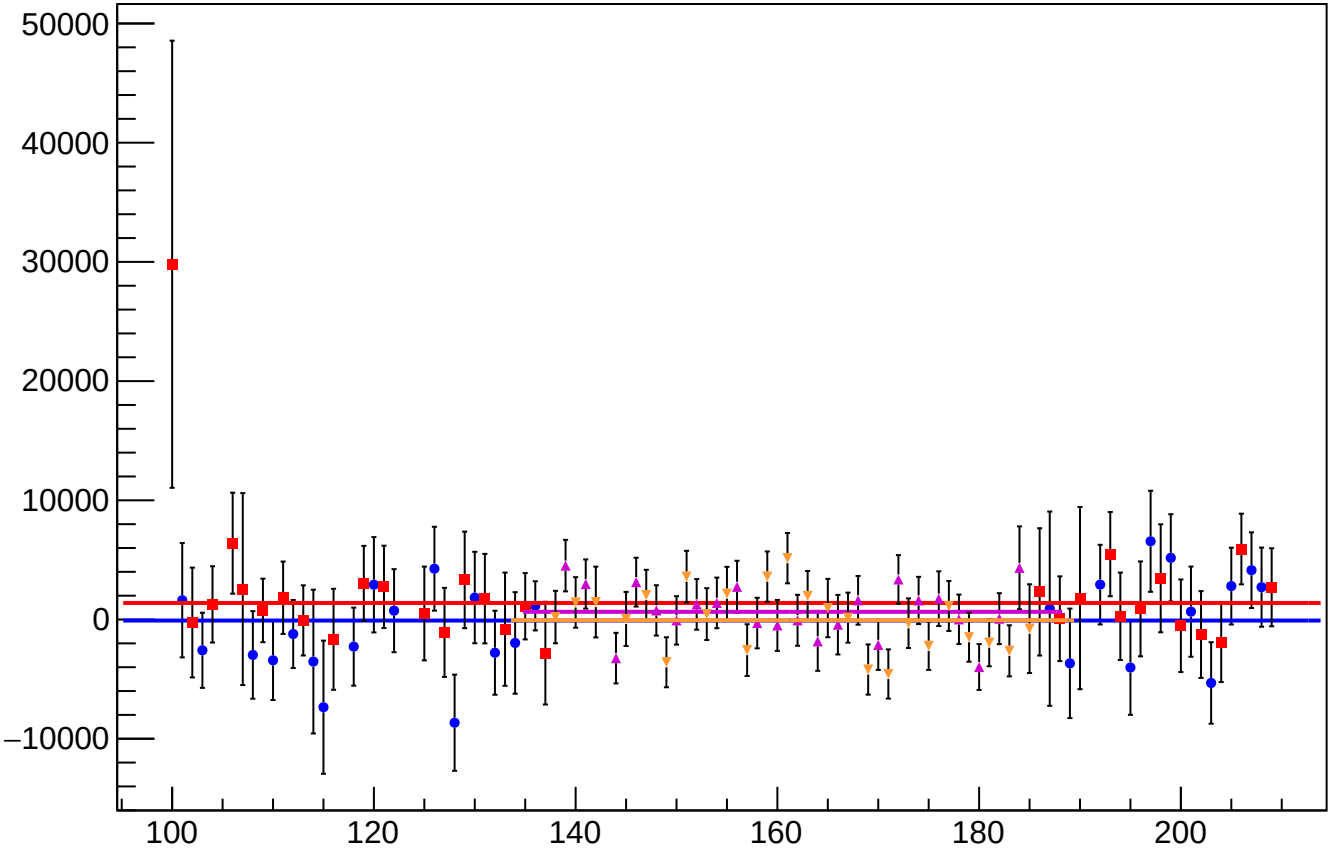
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 829.718+/-0.111 χ^2/NDF: 12683501.5/50

All: 829.647+/-0.078 χ^2/NDF: 26583872.4/10

- sign 829.576+/-0.111 χ^2/NDF: 13900370.0/52

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -84.837+/-690.503 χ^2/NDF: 25.7/26

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1389.390+/-680.832 χ^2/NDF: 13.1/29

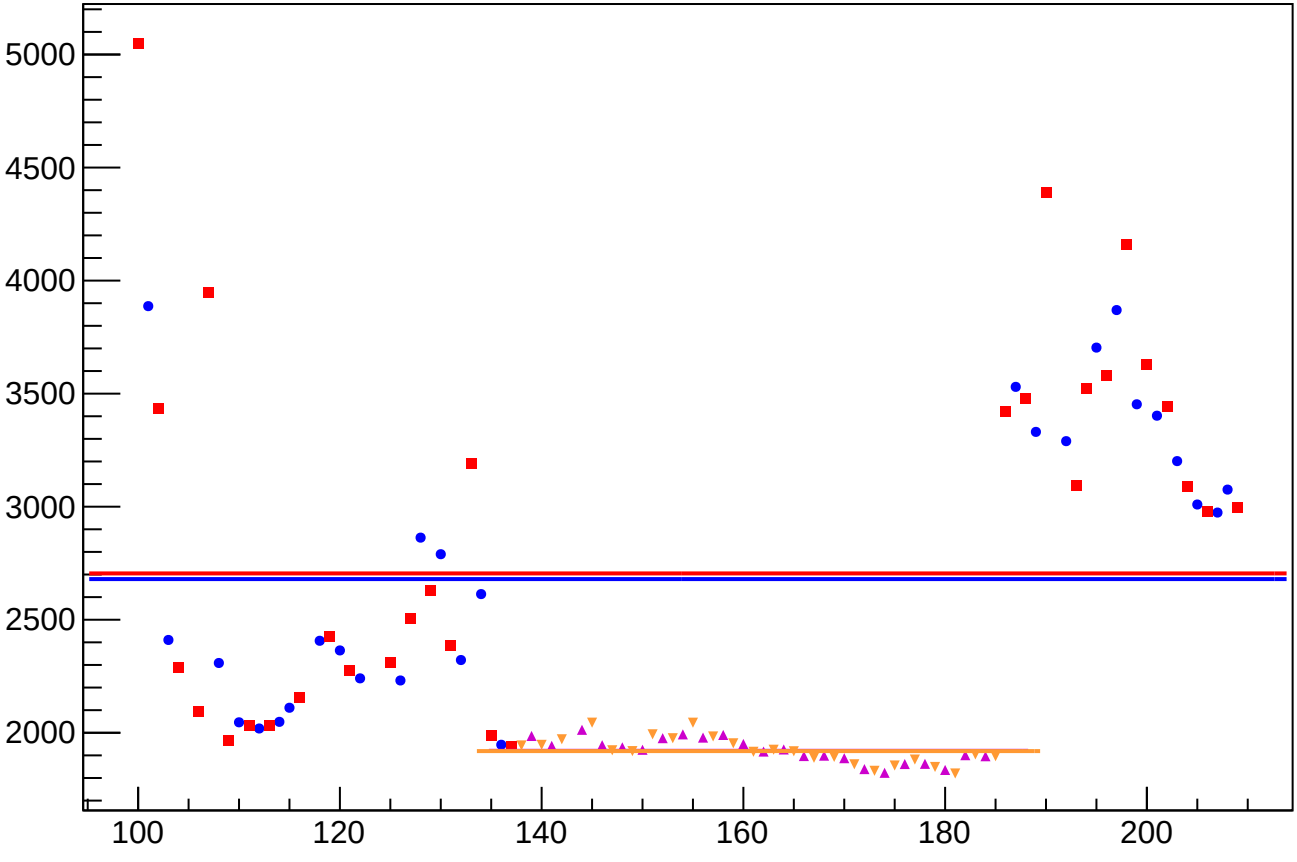
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -67.012+/-374.409 χ^2/NDF: 58.7/50

All: 402.121+/-264.800 χ^2/NDF: 99.4/103

- sign 871.632+/-374.559 χ^2/NDF: 37.6/52

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2679.799+/-0.488 χ^2/NDF: 1448616.1/26

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

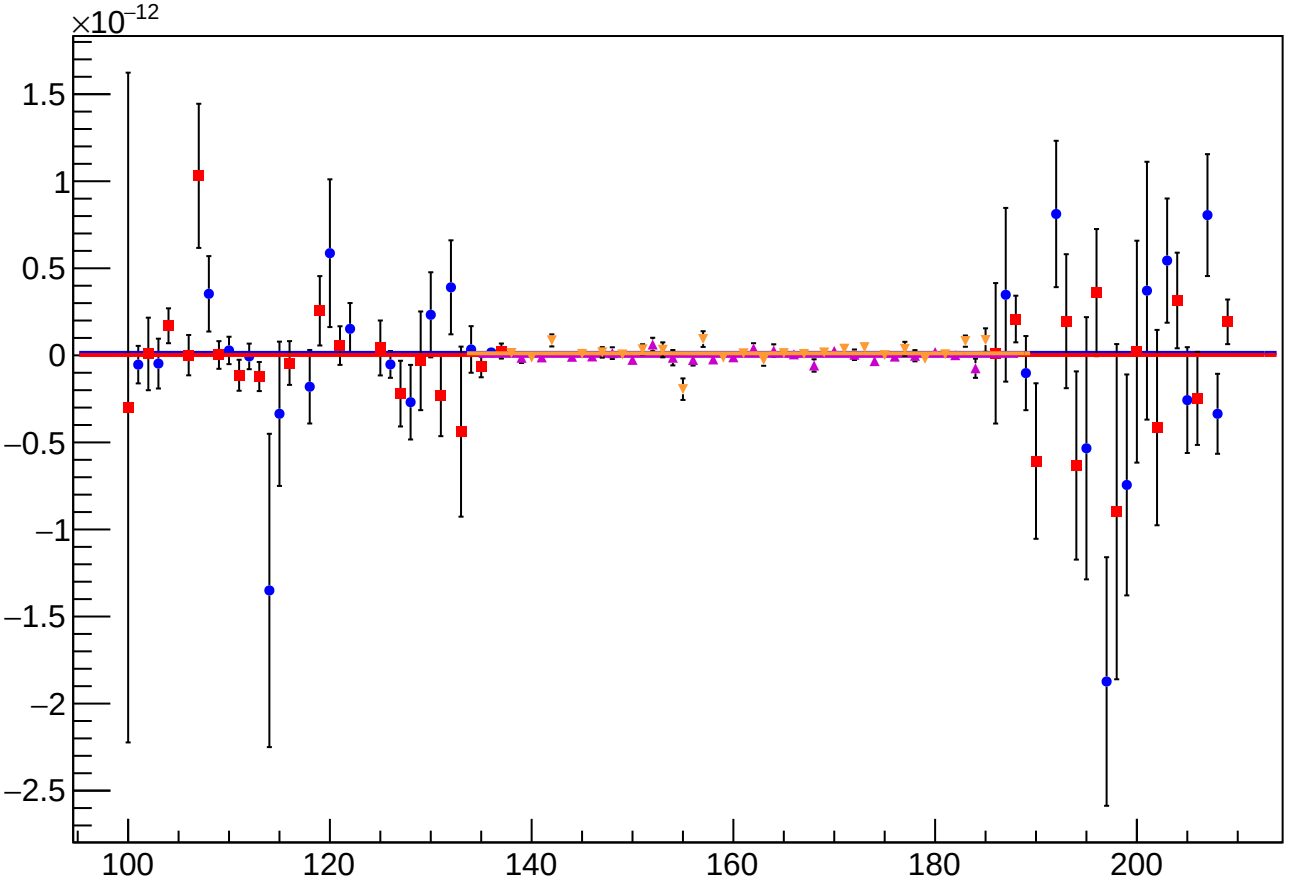
Right Out: 2704.858+/-0.481 χ^2/NDF: 1809840.4/29

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2142.665+/-0.265 χ^2/NDF: 3198412.5/50

All: 2150.179+/-0.187 χ^2/NDF: 6892198.8/10

\- sign 2157.700+/-0.265 χ^2/NDF: 3692174.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

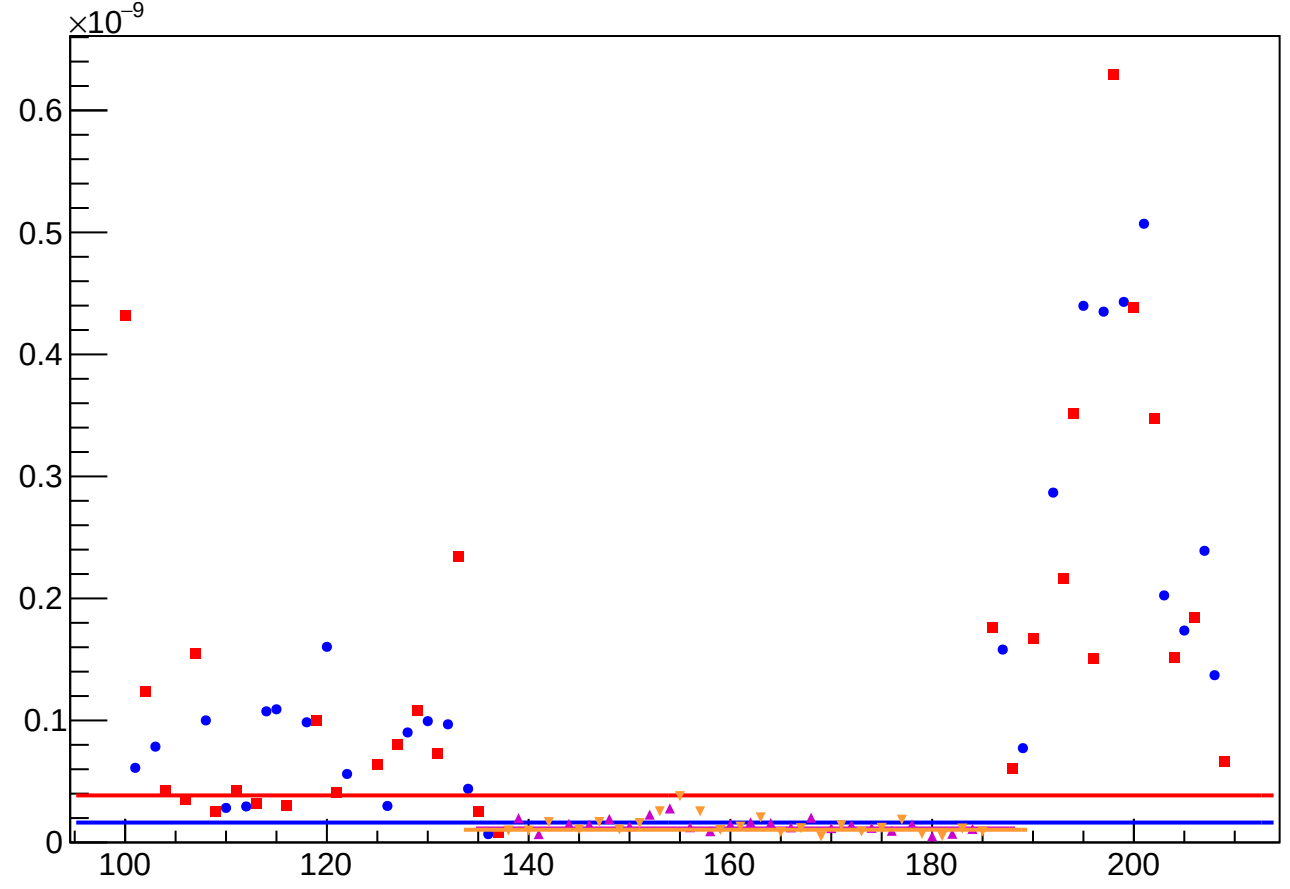
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/29

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.1/50

All: 0.000+/-0.000 χ^2/NDF: 134.1/103

- sign -0.000+/-0.000 χ^2/NDF: 52.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 10197192.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

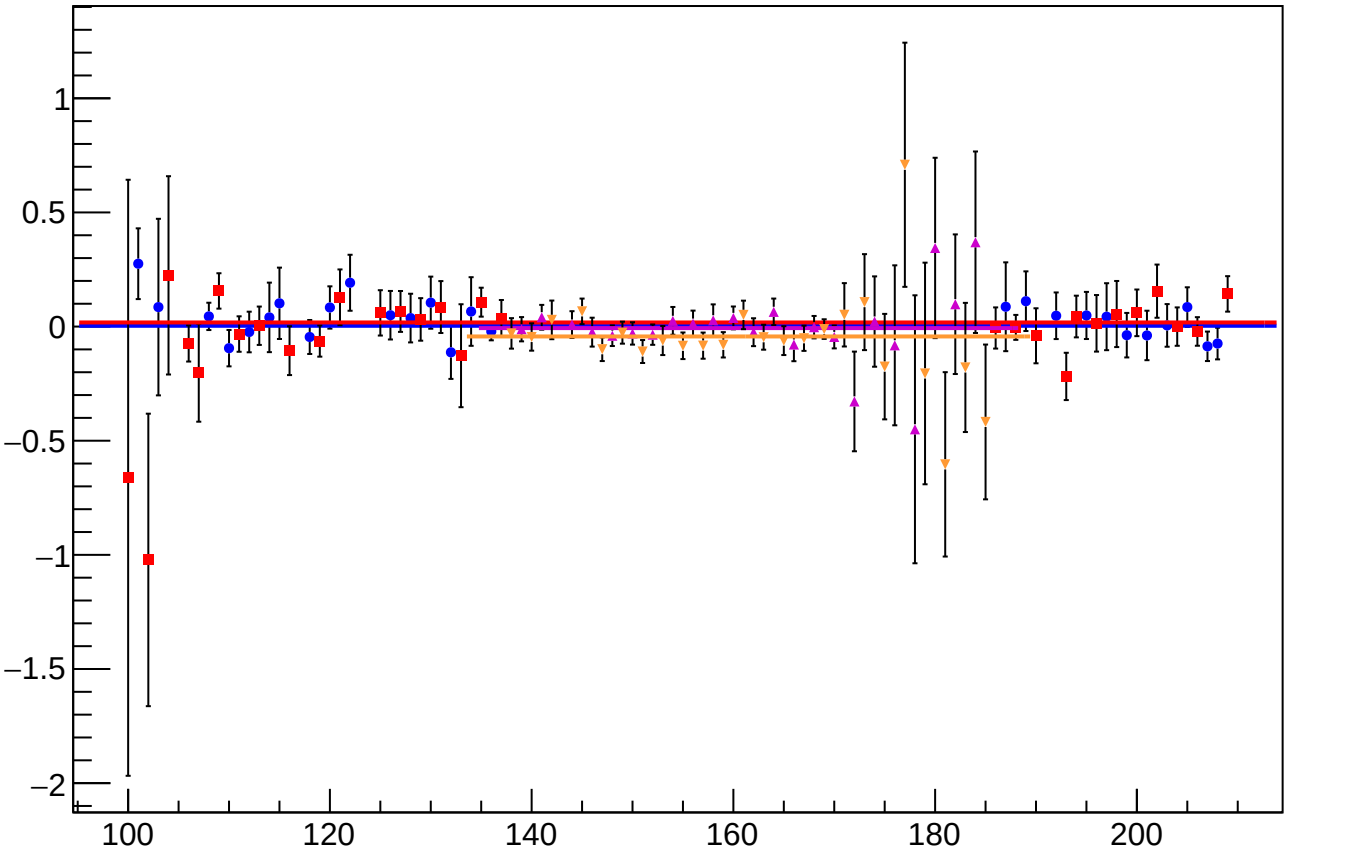
Right Out: 0.000+/-0.000 χ^2/NDF: 7486082.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12596419.8/50

All: 0.000+/-0.000 χ^2/NDF: 24769560.2/103

- sign 0.000+/-0.000 χ^2/NDF: 12044334.5/52



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

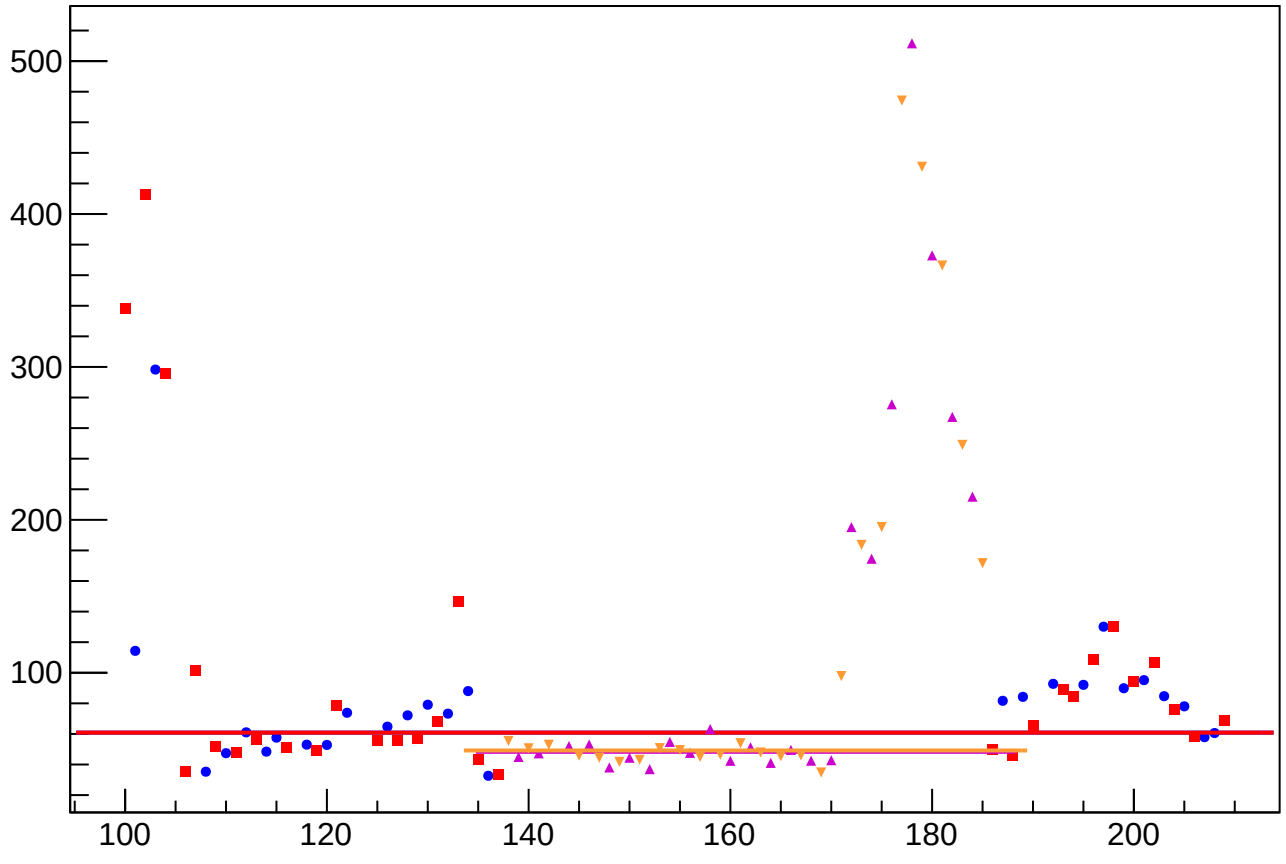
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.011+/-0.008 χ^2/NDF: 83.2/103

- sign 0.003+/-0.011 χ^2/NDF: 39.0/52



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

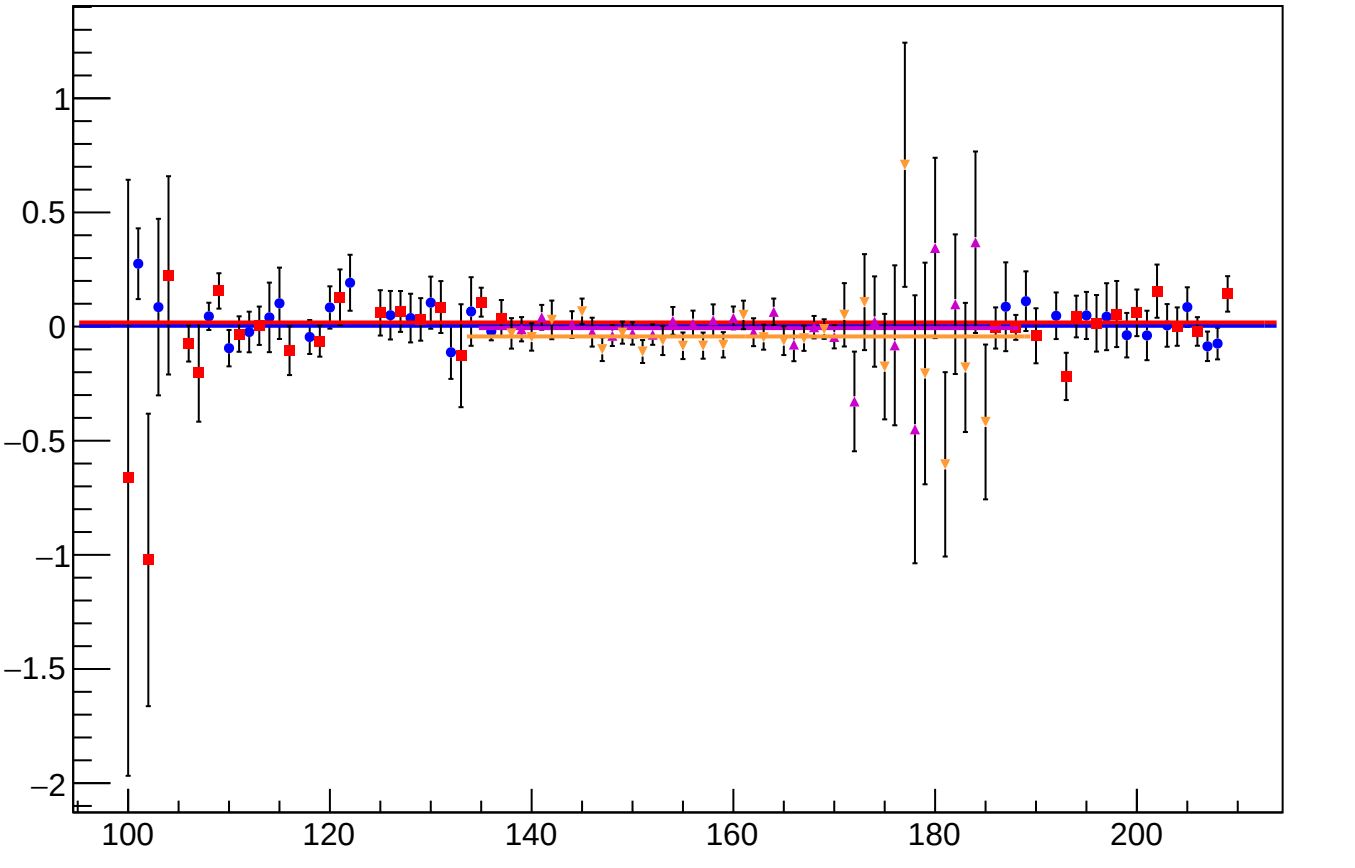
Right Out: 60.840+/-0.012 χ^2/NDF: 4295633.2/29

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004855.5/50

All: 53.437+/-0.005 χ^2/NDF: 24009357.1/103

- sign 53.161+/-0.007 χ^2/NDF: 12001708.6/52



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

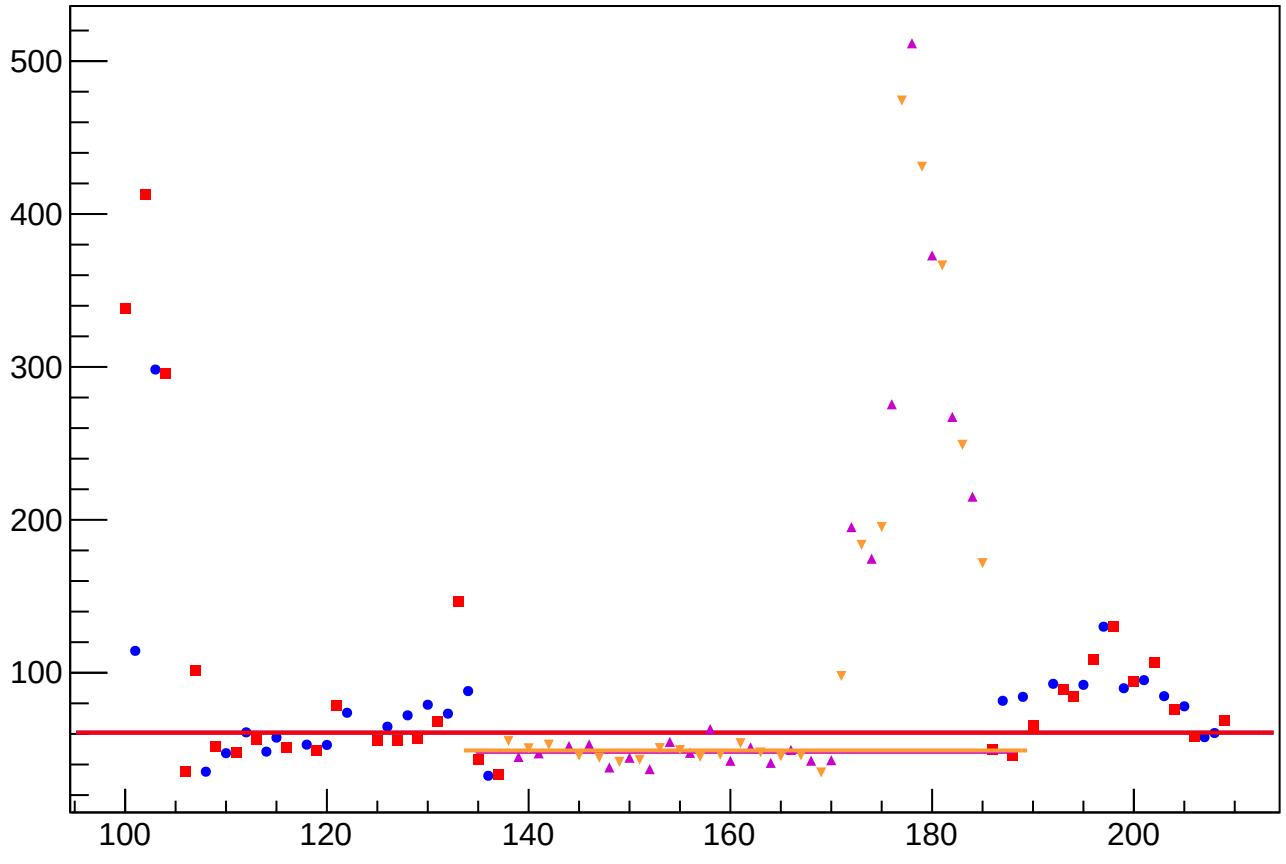
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.011+/-0.008 χ^2/NDF: 83.2/103

- sign 0.003+/-0.011 χ^2/NDF: 39.0/52



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

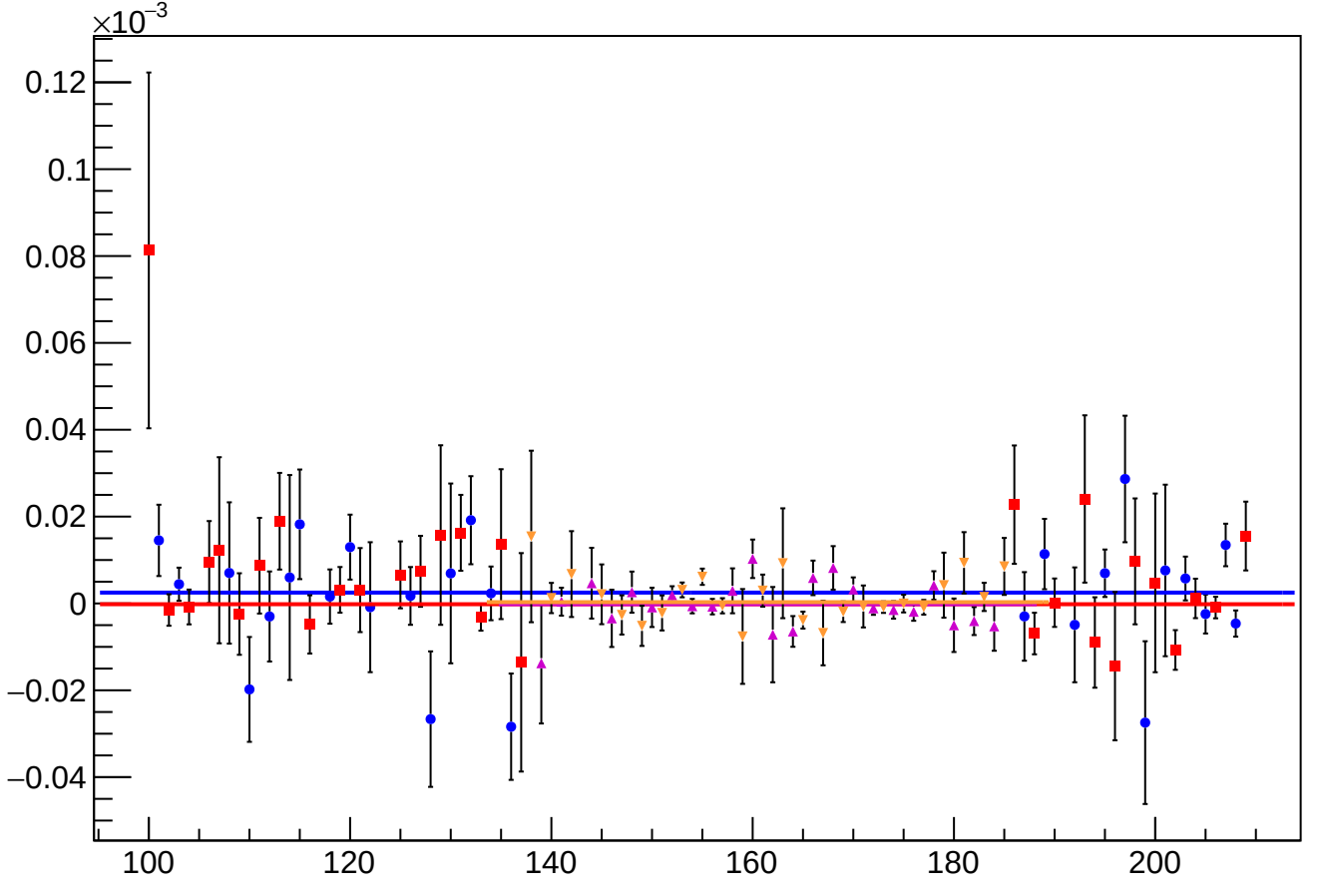
Right Out: 60.840+/-0.012 χ^2/NDF: 4295633.2/29

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004855.5/50

All: 53.437+/-0.005 χ^2/NDF: 24009357.1/103

- sign 53.161+/-0.007 χ^2/NDF: 12001708.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

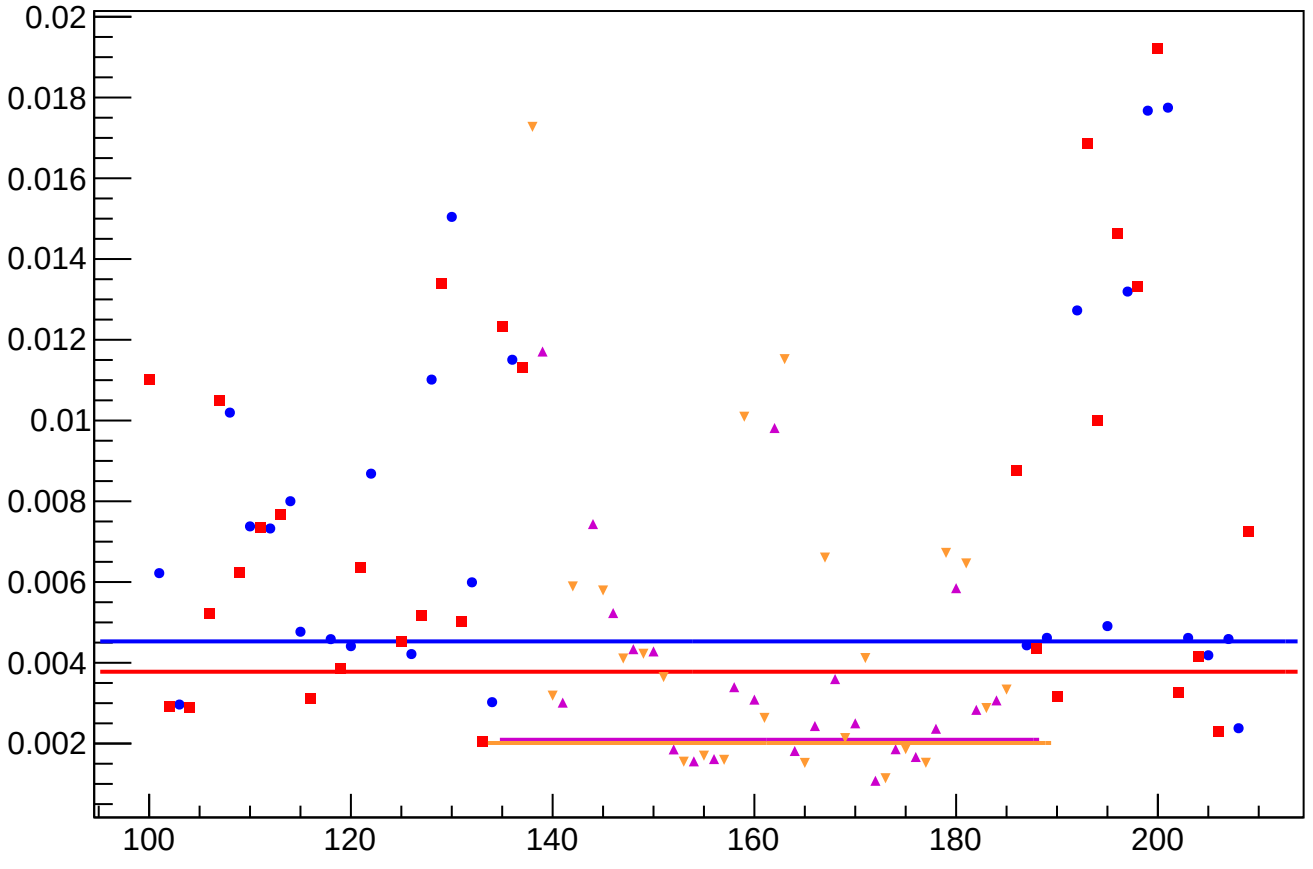
Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.0/50

All: 0.000+/-0.000 χ^2/NDF: 136.0/103

- sign -0.000+/-0.000 χ^2/NDF: 60.9/52



Right In: 0.005+/-0.000 χ^2/NDF: 7188750.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

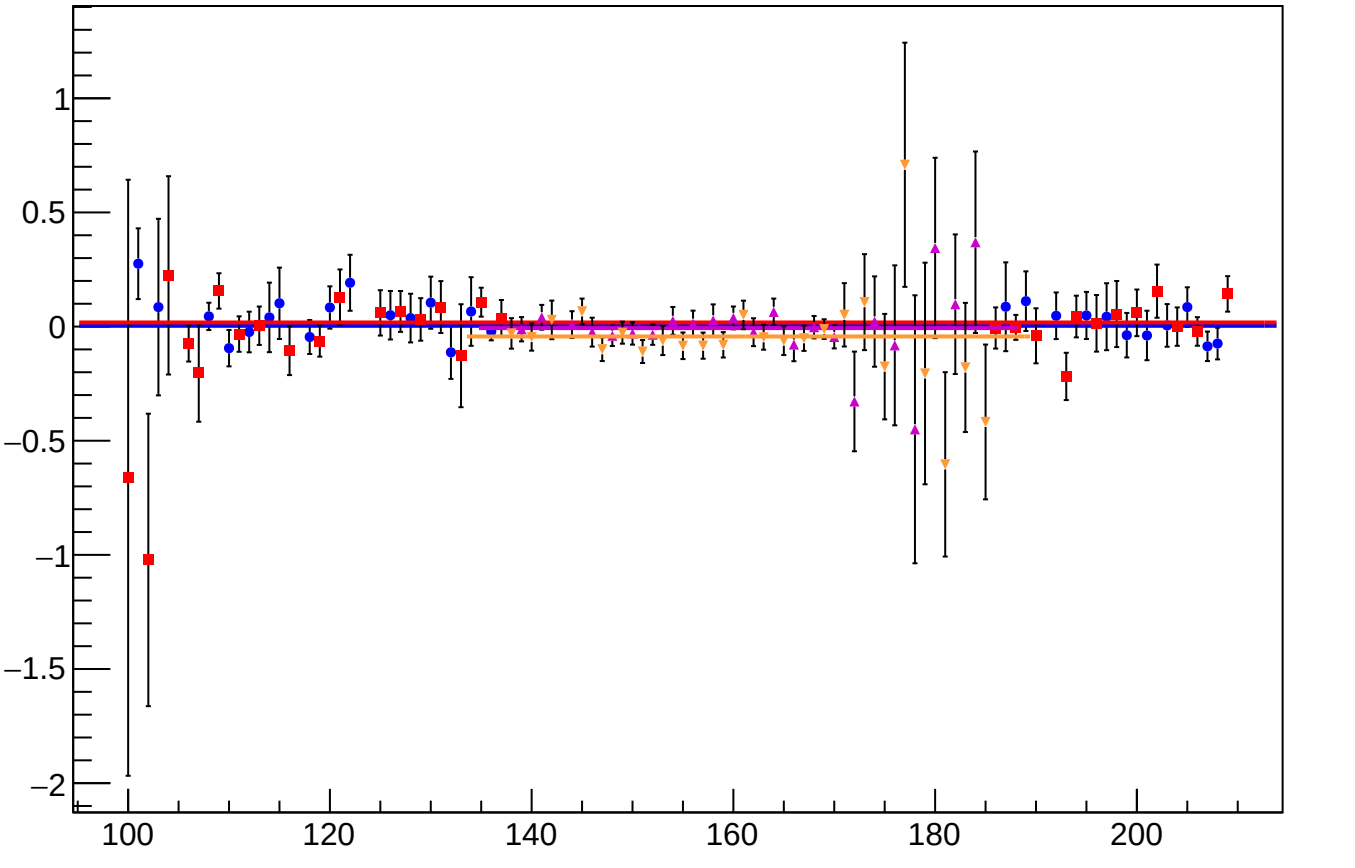
Right Out: 0.004+/-0.000 χ^2/NDF: 9009129.7/29

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 23335513.3/50

All: 0.002+/-0.000 χ^2/NDF: 42971824.3/103

- sign 0.002+/-0.000 χ^2/NDF: 19611168.6/52



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

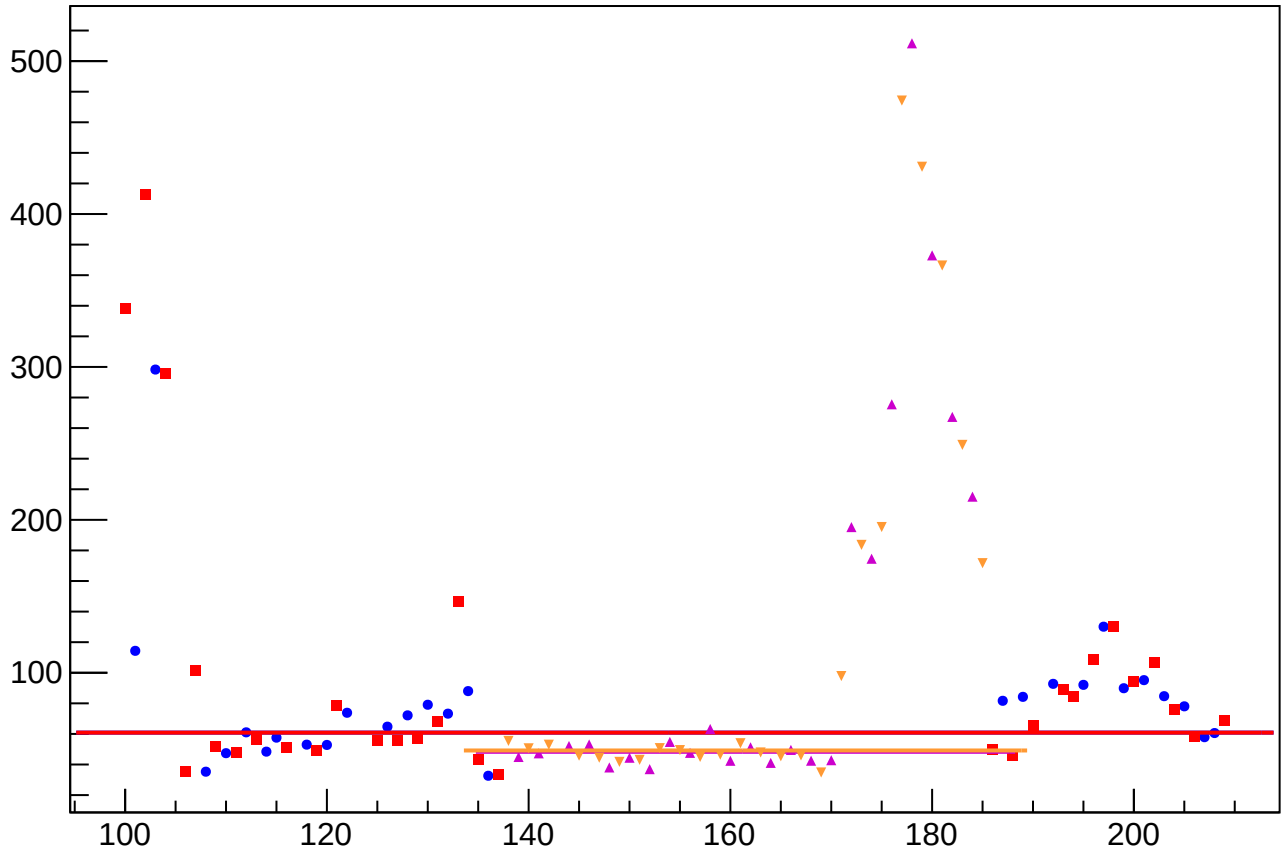
Right Out: 0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.025+/-0.011 χ^2/NDF: 40.9/50

All: -0.011+/-0.008 χ^2/NDF: 83.2/103

- sign 0.003+/-0.011 χ^2/NDF: 39.0/52



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

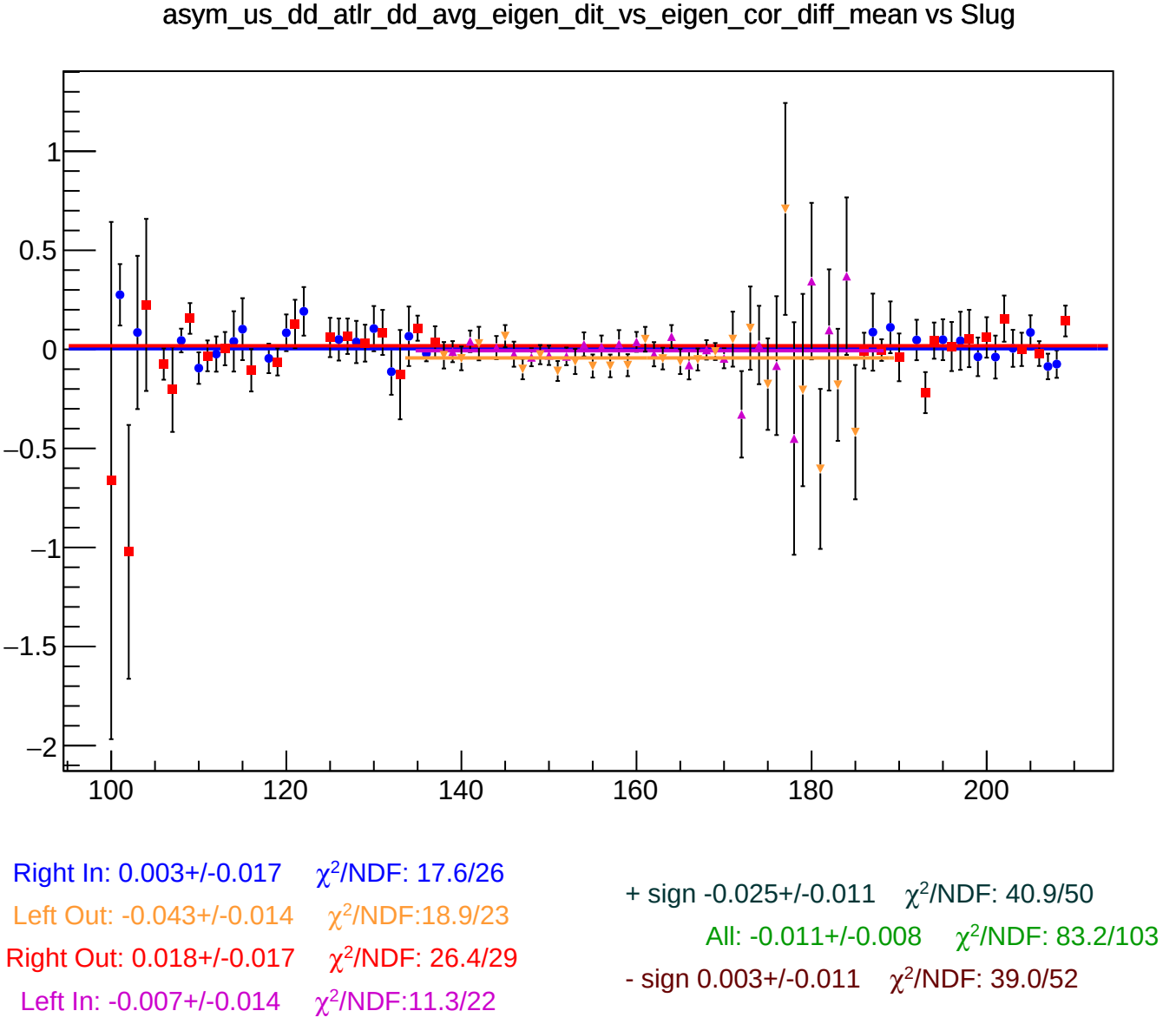
Right Out: 60.841+/-0.012 χ^2/NDF: 4295502.5/29

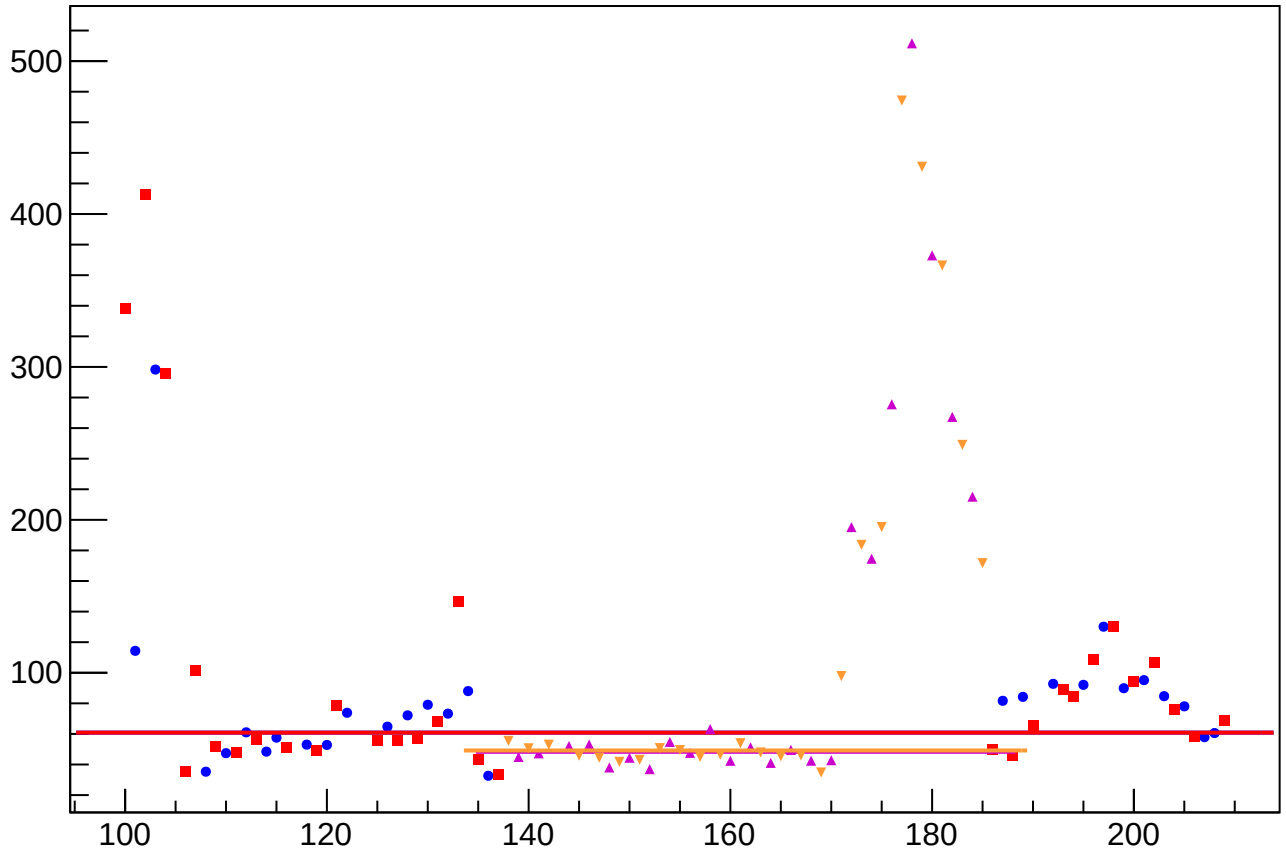
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004757.0/50

All: 53.437+/-0.005 χ^2/NDF: 24009080.5/103

- sign 53.161+/-0.007 χ^2/NDF: 12001536.0/52


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: 0.003+/-0.017 χ²/NDF: 17.6/26
Left Out: -0.043+/-0.014 χ²/NDF:18.9/23
Right Out: 0.018+/-0.017 χ²/NDF: 26.4/29
Left In: -0.007+/-0.014 χ²/NDF:11.3/22
+ sign -0.025+/-0.011 χ²/NDF: 40.9/50
All: -0.011+/-0.008 χ²/NDF: 83.2/103
- sign 0.003+/-0.011 χ²/NDF: 39.0/52



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

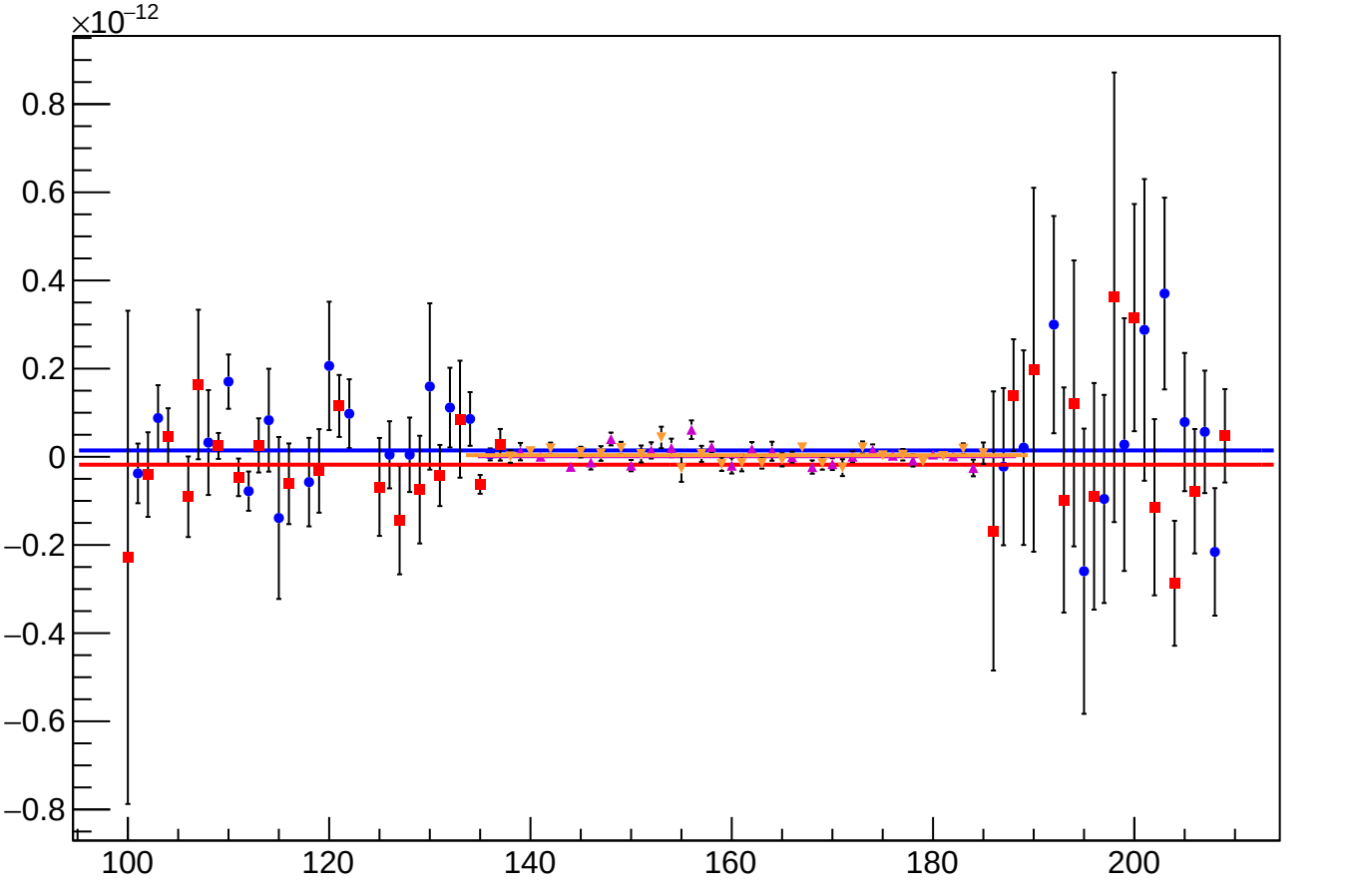
Right Out: 60.841+/-0.012 χ^2/NDF: 4295502.5/29

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 53.728+/-0.008 χ^2/NDF: 12004757.0/50

All: 53.437+/-0.005 χ^2/NDF: 24009080.5/103

- sign 53.161+/-0.007 χ^2/NDF: 12001536.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

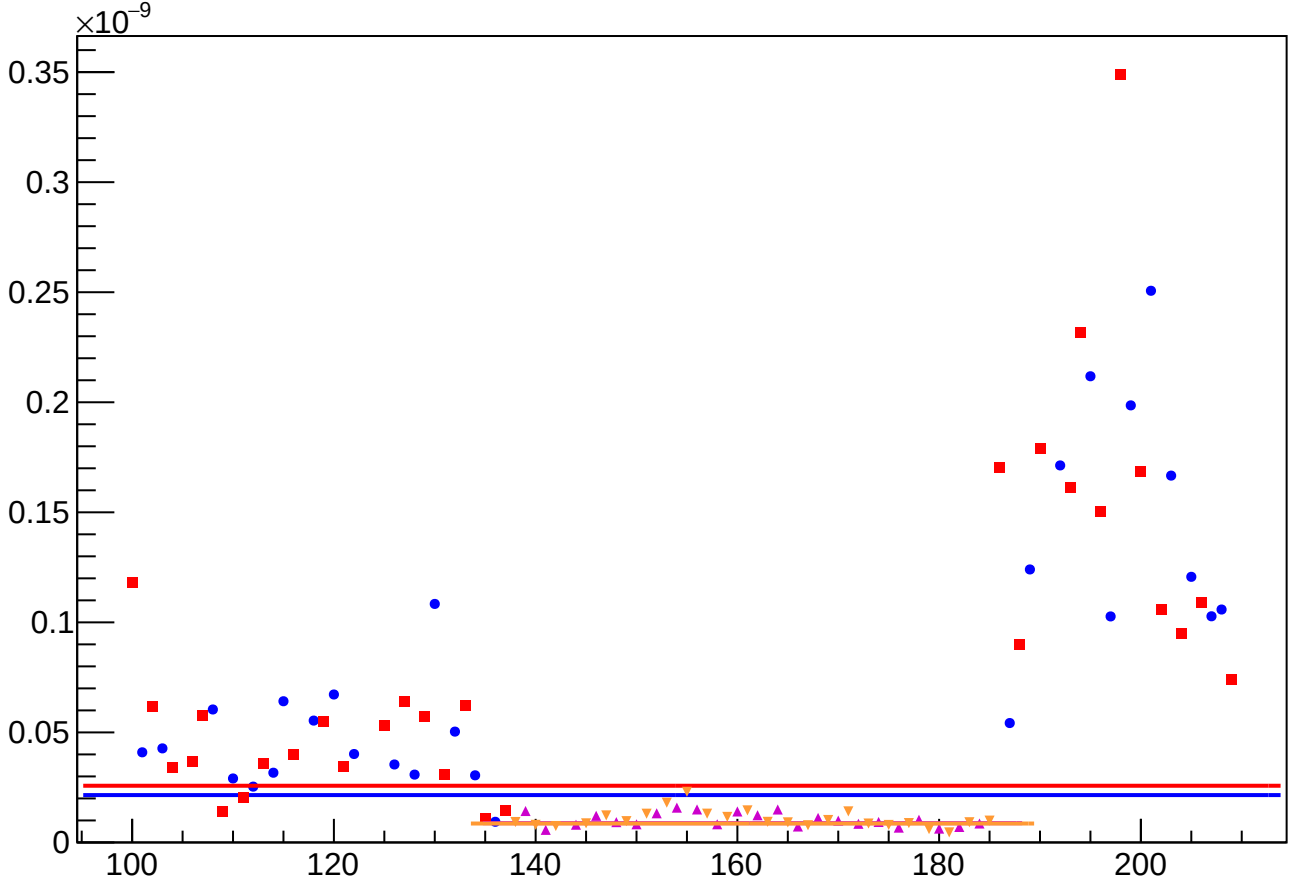
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.2/50

All: 0.000+/-0.000 χ^2/NDF: 124.8/103

- sign 0.000+/-0.000 χ^2/NDF: 69.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 10486449.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9261493.8/29

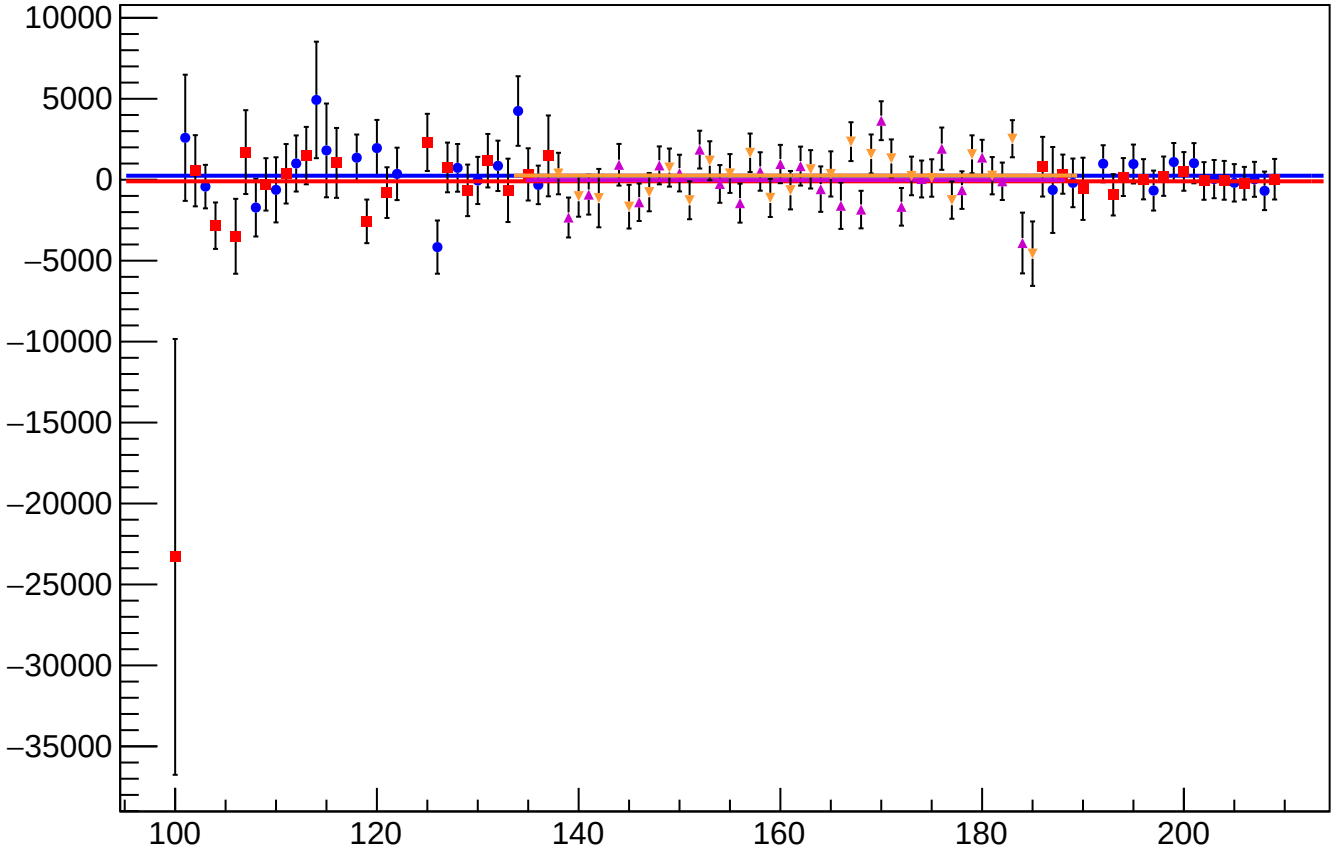
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15538309.1/50

All: 0.000+/-0.000 χ^2/NDF: 30466091.4/103

- sign 0.000+/-0.000 χ^2/NDF: 14918394.8/52

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.765+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -97.806+/-275.442 χ^2/NDF: 18.8/29

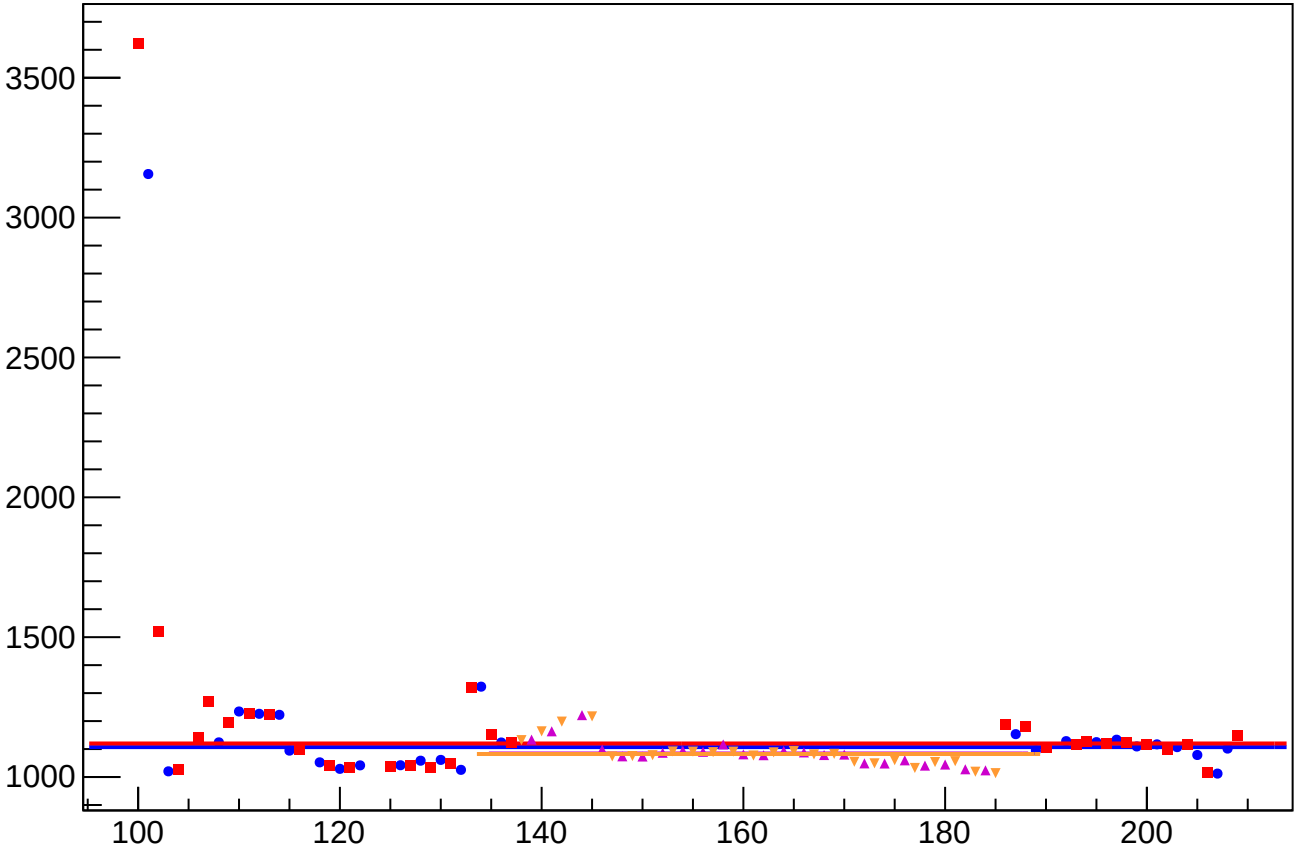
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 254.926+/-187.416 χ^2/NDF: 48.4/50

All: 98.196+/-132.184 χ^2/NDF: 104.5/103

- sign -56.938+/-186.460 χ^2/NDF: 54.6/52

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.949+/-0.199 χ^2/NDF: 643847.5/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

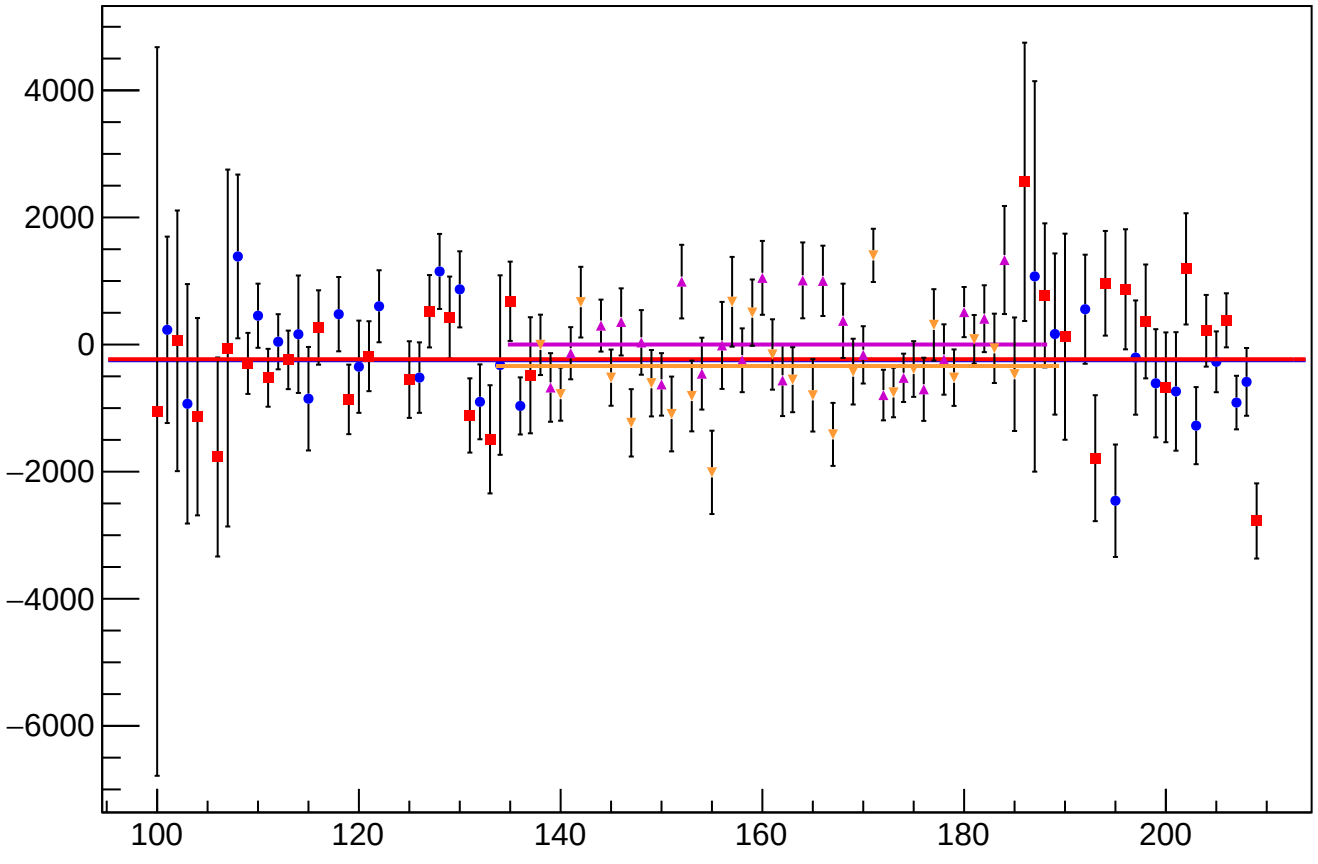
Right Out: 1119.935+/-0.195 χ^2/NDF: 252520.1/29

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.254+/-0.133 χ^2/NDF: 710256.1/50

All: 1096.925+/-0.093 χ^2/NDF: 1036013.2/10

- sign 1100.558+/-0.132 χ^2/NDF: 324230.8/52



Right In: -246.707+/-127.183 χ^2/NDF: 35.6/26

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -230.777+/-127.628 χ^2/NDF: 46.6/29

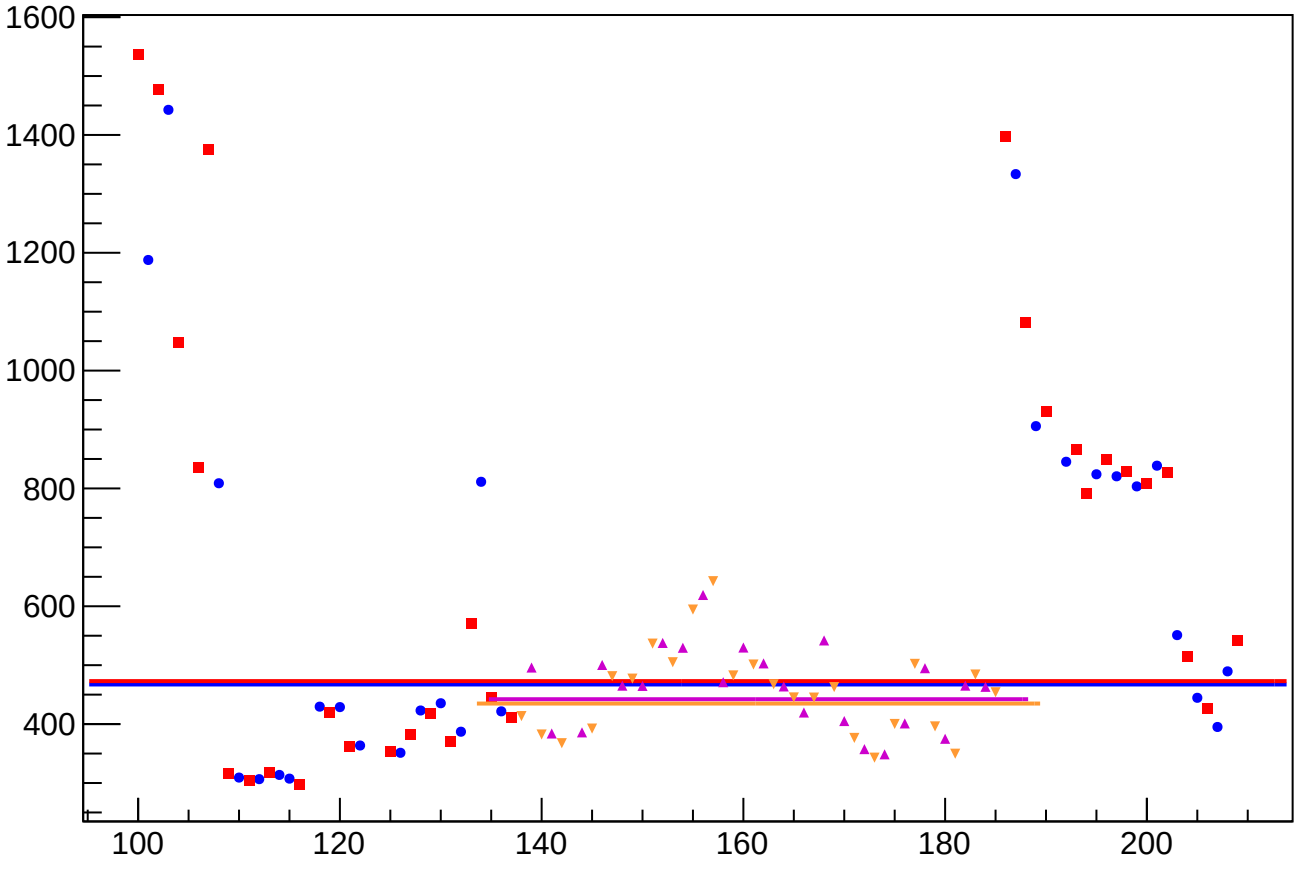
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -301.844+/-79.856 χ^2/NDF: 84.7/50

All: -198.633+/-56.854 χ^2/NDF: 168.4/103

- sign -92.541+/-80.962 χ^2/NDF: 80.4/52

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 467.243+/-0.090 χ^2/NDF: 4278456.4/26

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 472.962+/-0.090 χ^2/NDF: 5404110.9/29

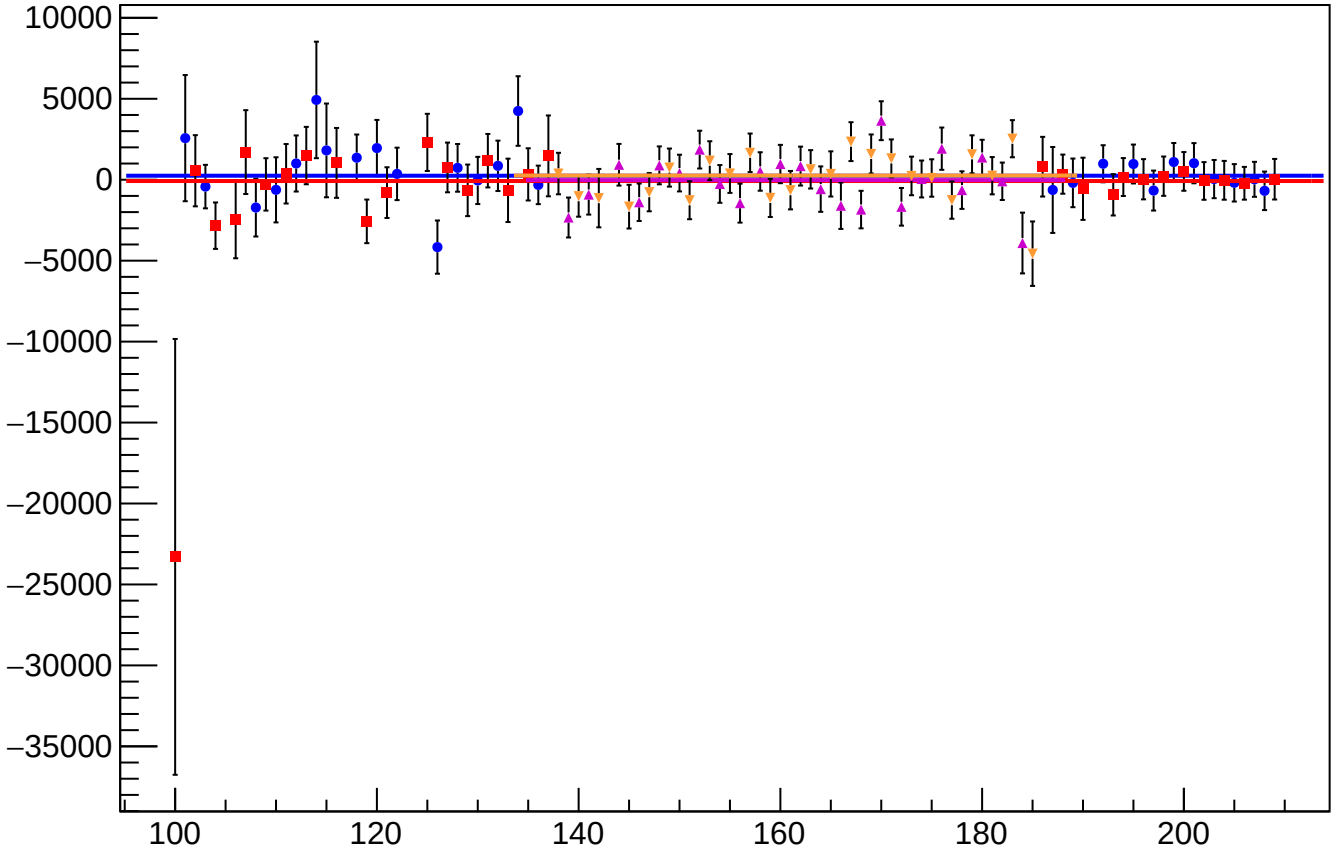
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 447.626+/-0.056 χ^2/NDF: 5235424.9/50

All: 451.057+/-0.040 χ^2/NDF: 11542390.6/10

- sign 454.584+/-0.057 χ^2/NDF: 6299476.8/52

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -80.299+/-275.593 χ^2/NDF: 17.6/29

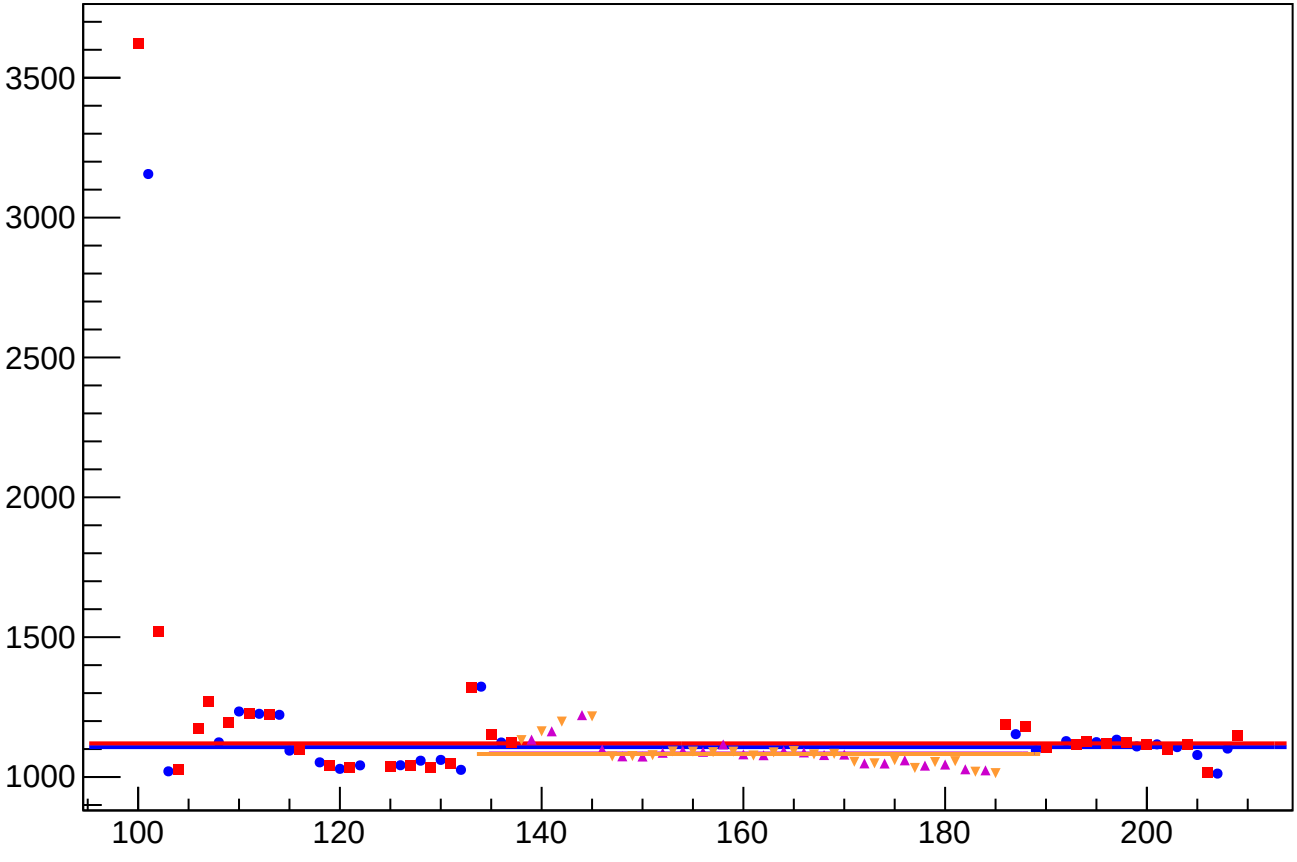
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.866+/-187.416 χ^2/NDF: 48.4/50

All: 102.246+/-132.200 χ^2/NDF: 103.2/103

- sign -48.897+/-186.507 χ^2/NDF: 53.4/52

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

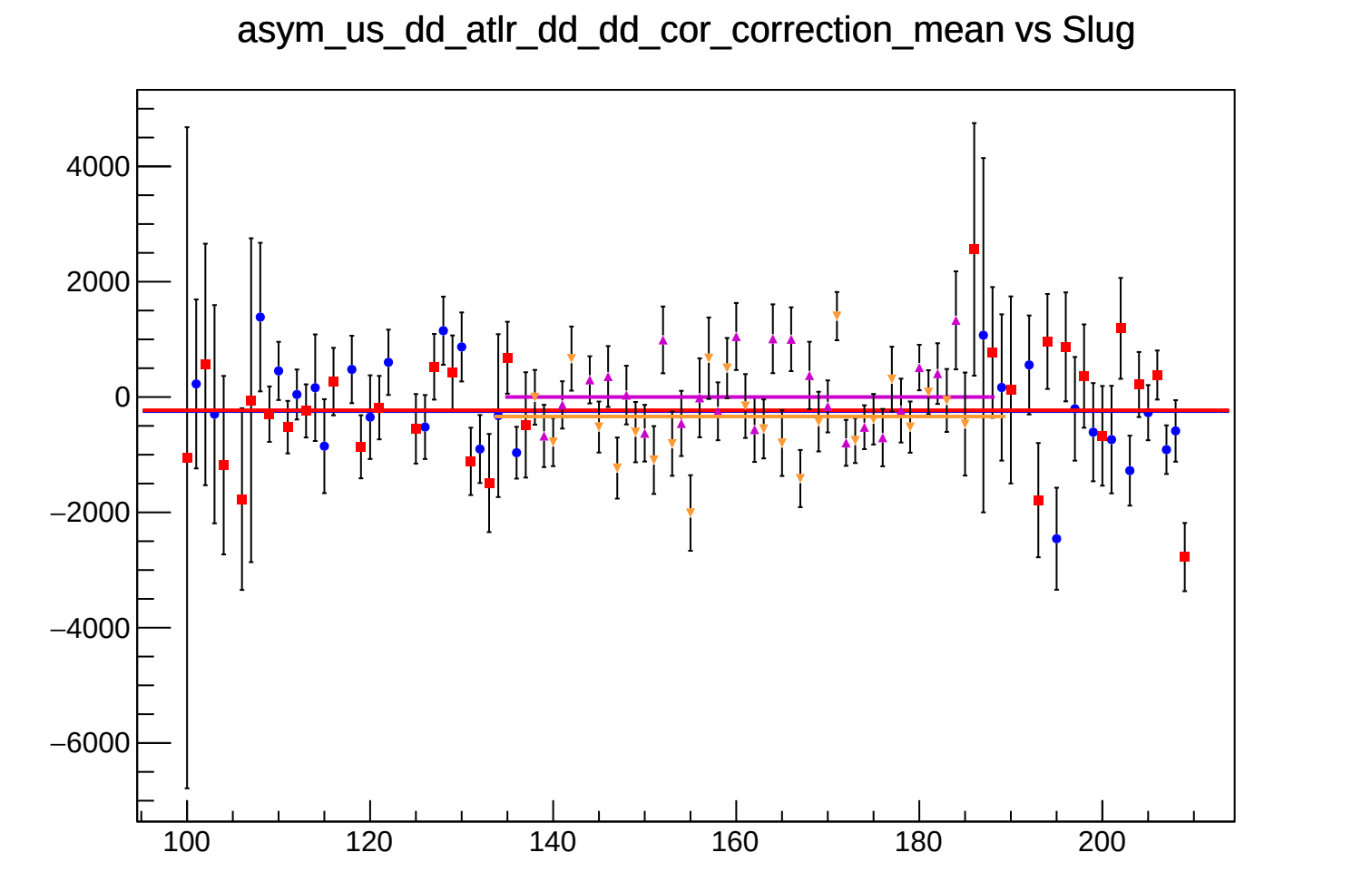
Right Out: 1120.323+/-0.195 χ^2/NDF: 253285.5/29

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.254+/-0.133 χ^2/NDF: 710257.0/50

All: 1097.008+/-0.093 χ^2/NDF: 1037237.7/10

- sign 1100.726+/-0.132 χ^2/NDF: 325383.7/52



Right In: -243.902+/-127.184 χ^2/NDF: 35.4/26

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -229.207+/-127.641 χ^2/NDF: 46.7/29

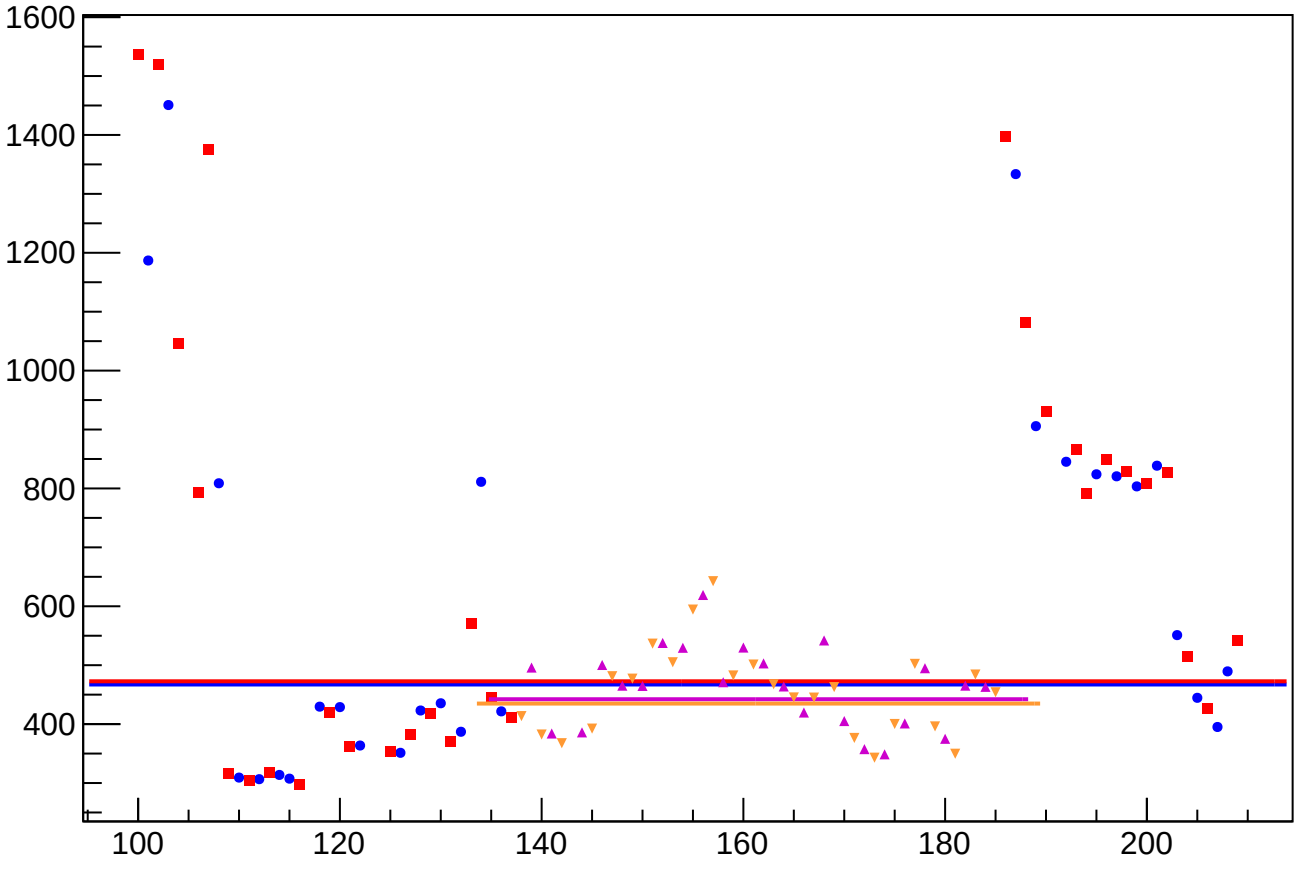
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -300.793+/-79.856 χ^2/NDF: 84.5/50

All: -197.781+/-56.855 χ^2/NDF: 168.4/103

- sign -91.886+/-80.966 χ^2/NDF: 80.5/52

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

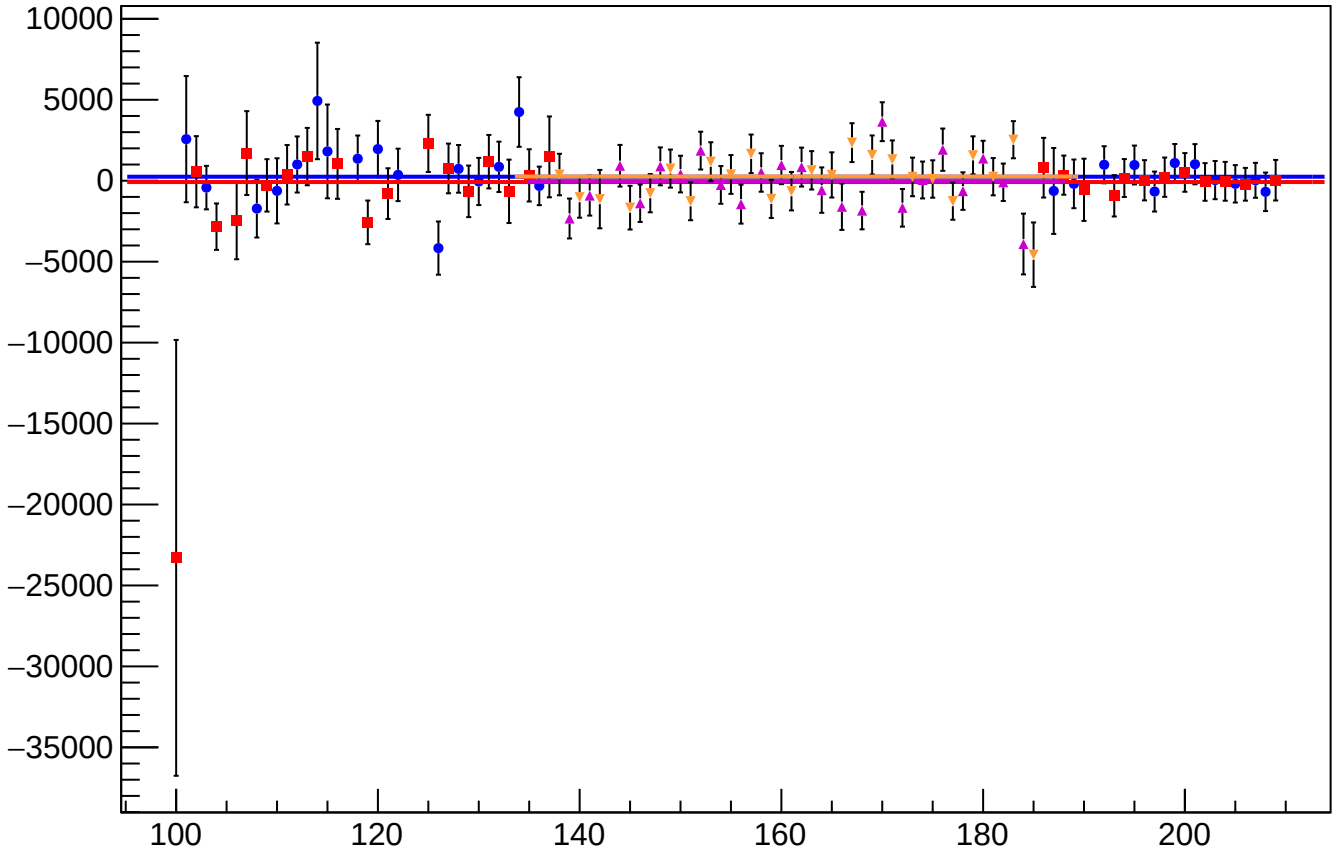
Right Out: 472.670+/-0.090 χ^2/NDF: 5398621.1/29

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 447.622+/-0.056 χ^2/NDF: 5239291.4/50

All: 450.996+/-0.040 χ^2/NDF: 11539070.5/10

- sign 454.466+/-0.057 χ^2/NDF: 6292534.7/52



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -80.299+/-275.593 χ^2/NDF: 17.6/29

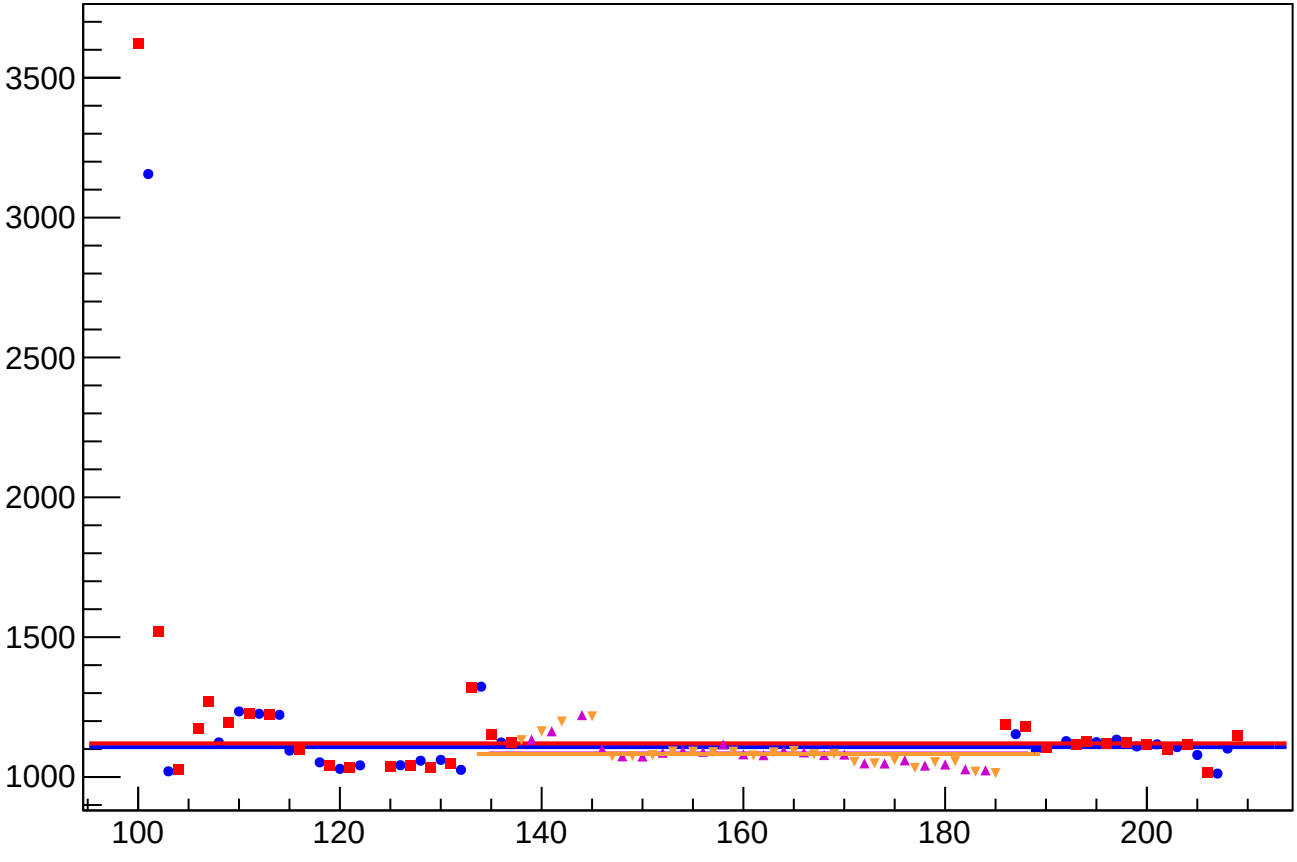
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.866+/-187.416 χ^2/NDF: 48.4/50

All: 102.246+/-132.200 χ^2/NDF: 103.2/103

- sign -48.897+/-186.507 χ^2/NDF: 53.4/52

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

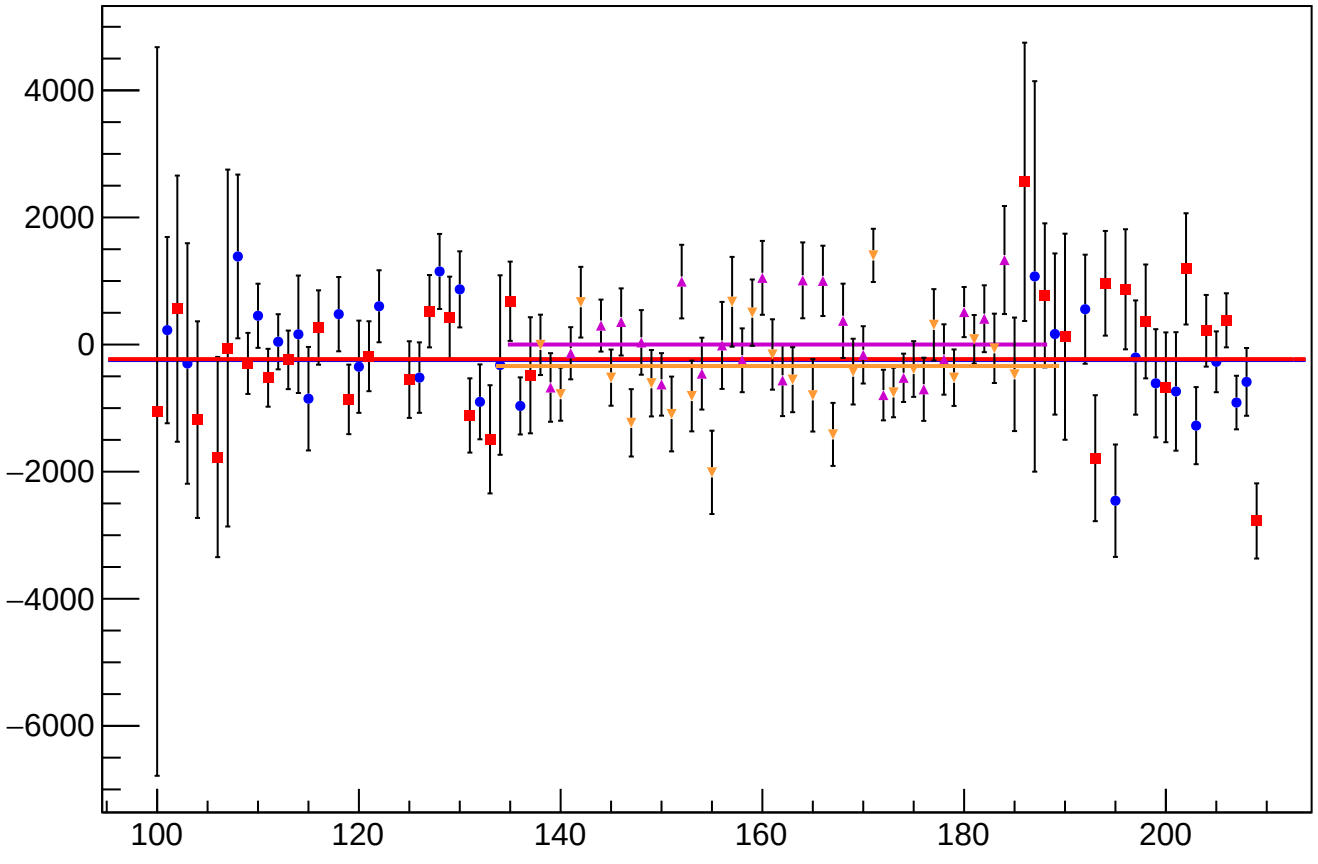
Right Out: 1120.323+/-0.195 χ^2/NDF: 253285.5/29

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1093.254+/-0.133 χ^2/NDF: 710257.0/50

All: 1097.008+/-0.093 χ^2/NDF: 1037237.7/10

- sign 1100.726+/-0.132 χ^2/NDF: 325383.7/52



Right In: -243.902+/-127.184 χ^2/NDF: 35.4/26

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

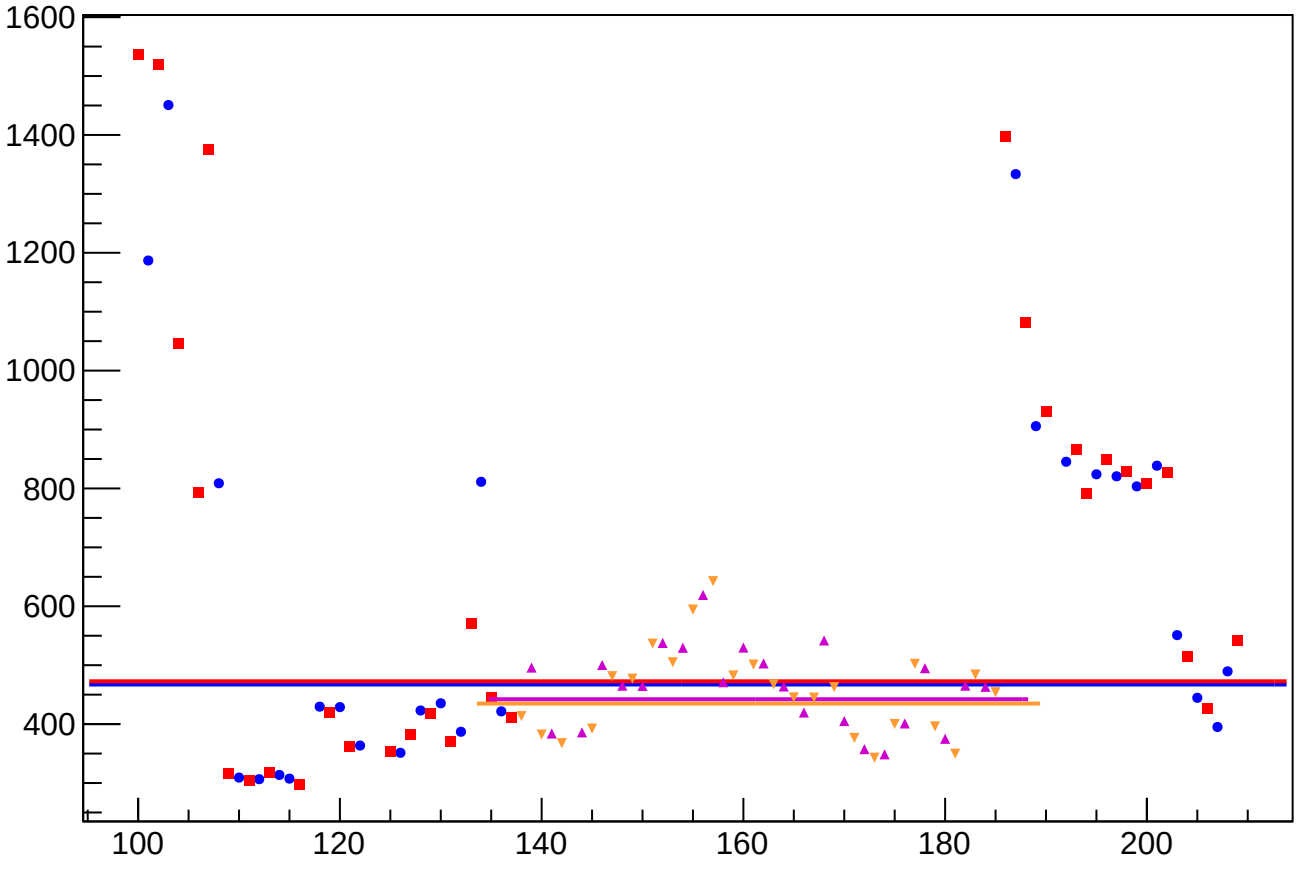
Right Out: -229.207+/-127.641 χ^2/NDF: 46.7/29

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -300.793+/-79.856 χ^2/NDF: 84.5/50

All: -197.781+/-56.855 χ^2/NDF: 168.4/103

\- sign -91.886+/-80.966 χ^2/NDF: 80.5/52



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 472.670+/-0.090 χ^2/NDF: 5398621.1/29

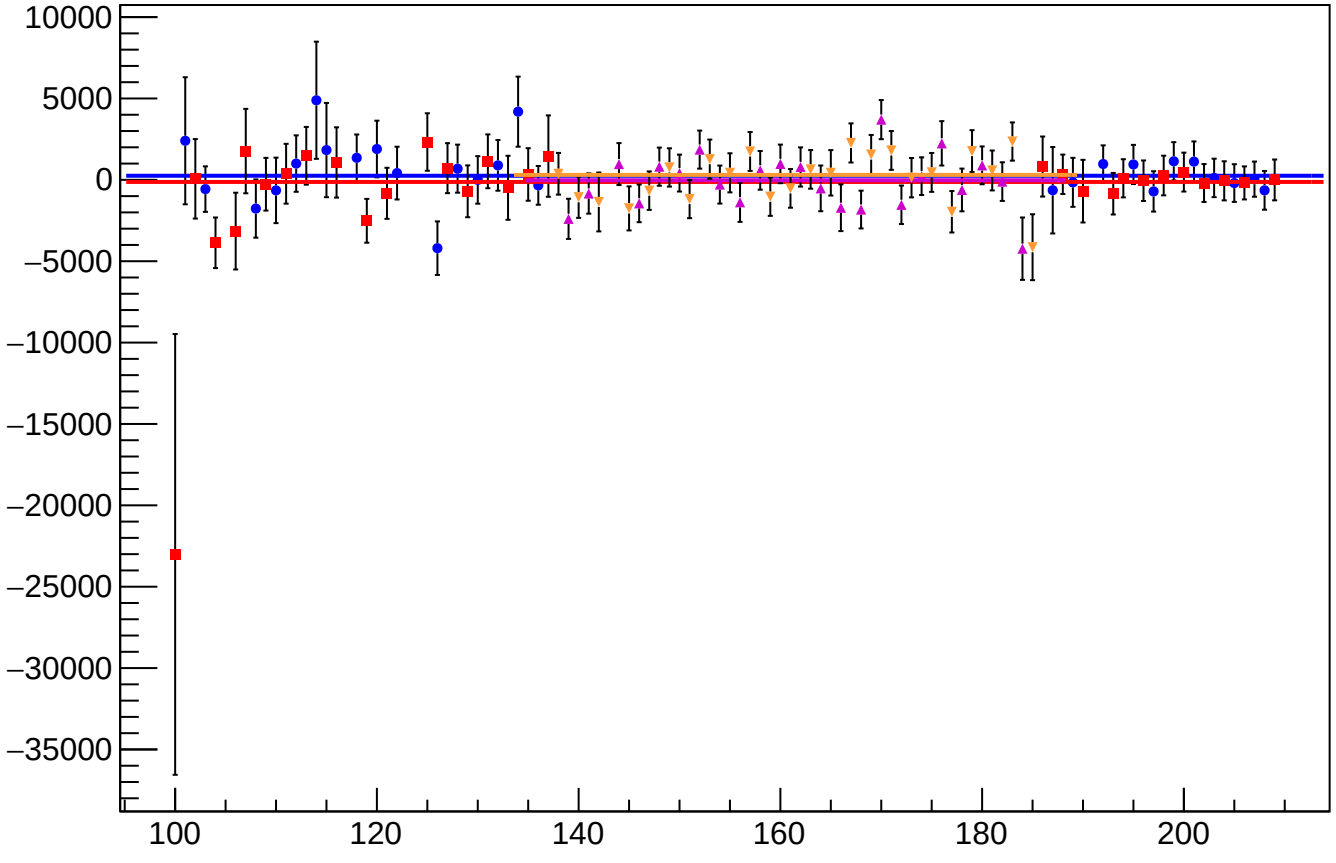
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 447.622+/-0.056 χ^2/NDF: 5239291.4/50

All: 450.996+/-0.040 χ^2/NDF: 11539070.5/10

- sign 454.466+/-0.057 χ^2/NDF: 6292534.7/52

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 251.586+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -128.144+/-277.011 χ^2/NDF: 20.1/29

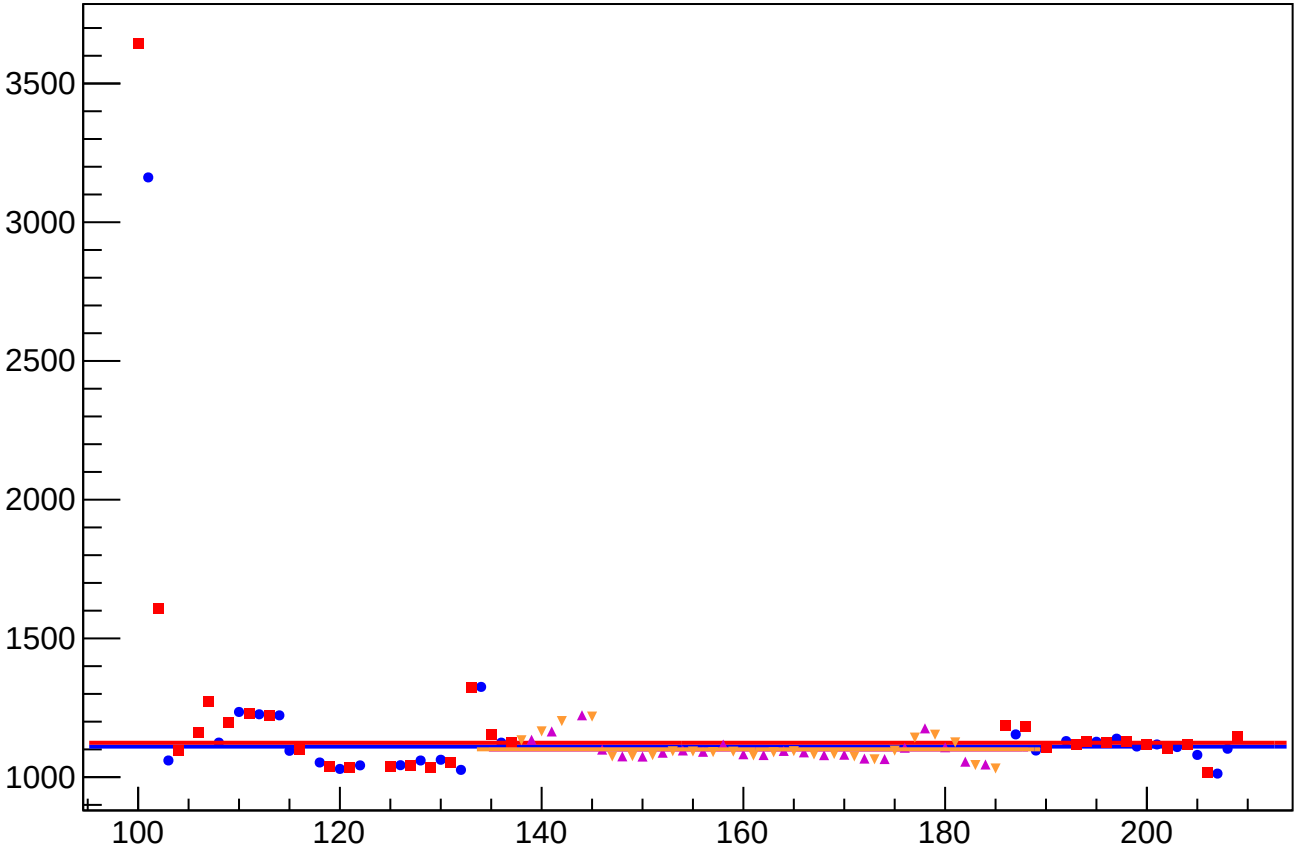
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 280.036+/-189.360 χ^2/NDF: 48.8/50

All: 102.647+/-133.540 χ^2/NDF: 106.6/103

- sign -72.857+/-188.351 χ^2/NDF: 56.0/52

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.2/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

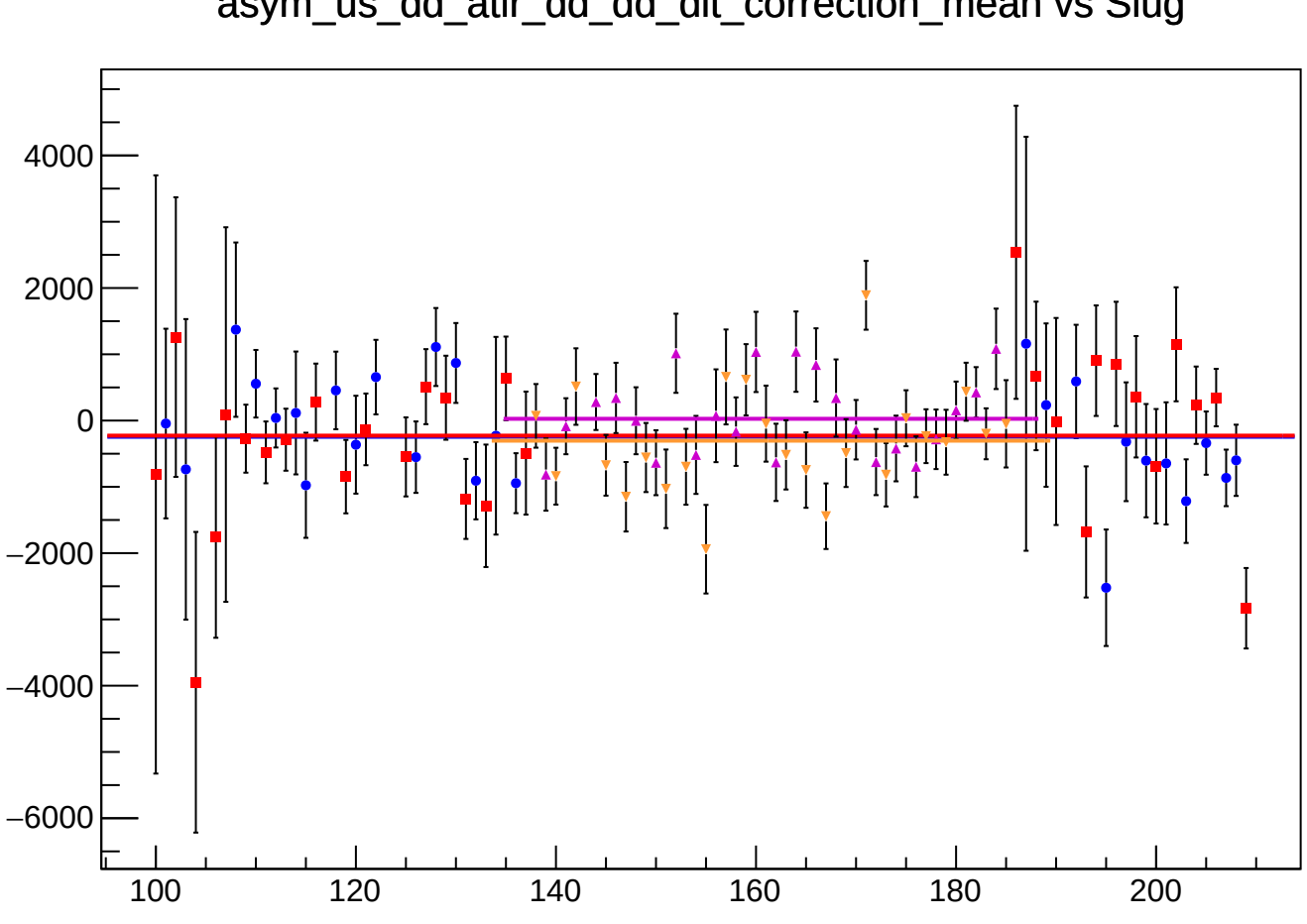
Right Out: 1123.946+/-0.196 χ^2/NDF: 259029.7/29

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1104.697+/-0.134 χ^2/NDF: 689059.4/50

All: 1107.723+/-0.094 χ^2/NDF: 1002374.2/10

- sign 1110.717+/-0.133 χ^2/NDF: 312298.8/52



Right In: -244.250+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

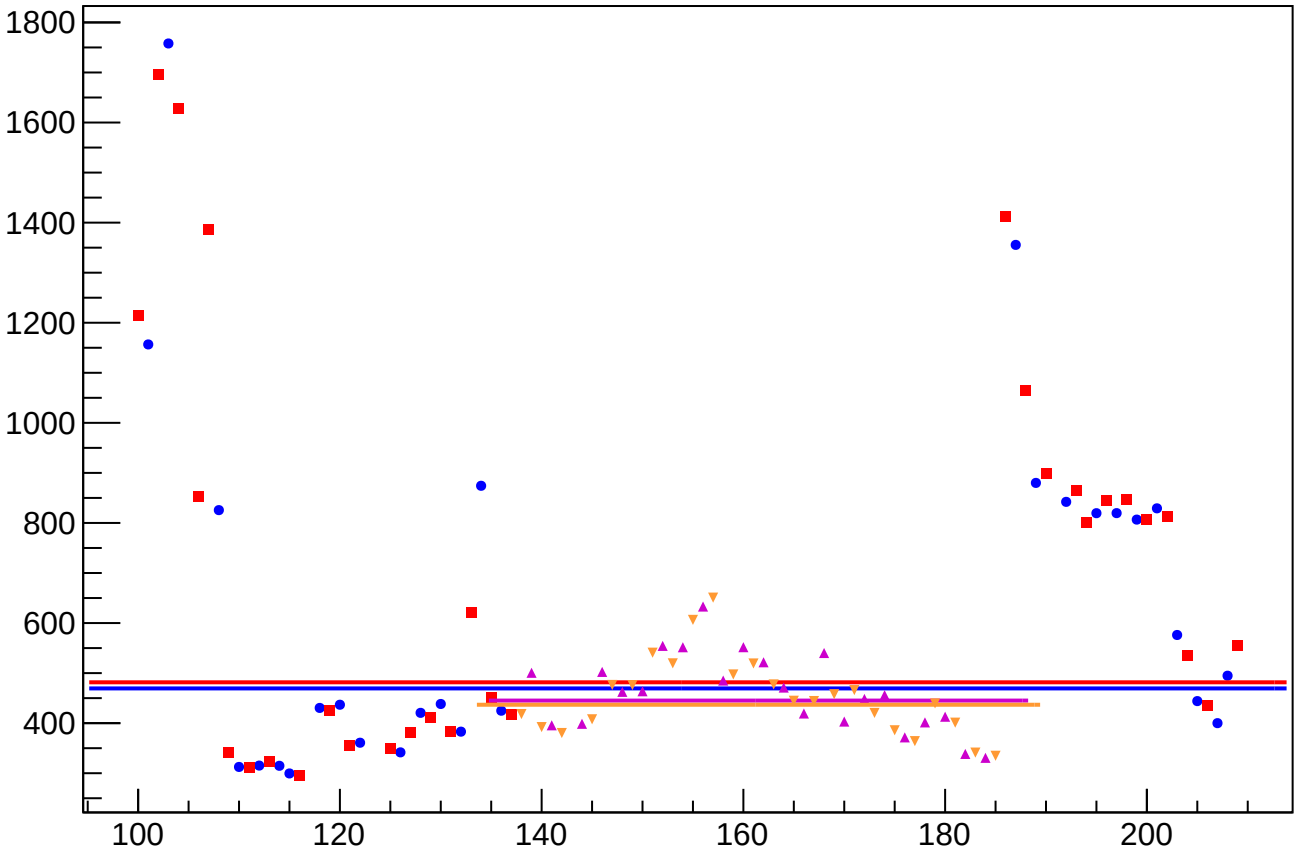
Right Out: -227.254+/-129.641 χ^2/NDF: 46.8/29

Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -279.996+/-80.179 χ^2/NDF: 85.2/50

All: -179.225+/-57.257 χ^2/NDF: 165.4/103

- sign -74.361+/-81.791 χ^2/NDF: 76.9/52



Right In: 469.391+/-0.090 χ^2/NDF: 4382038.0/26

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 481.617+/-0.092 χ^2/NDF: 5727260.9/29

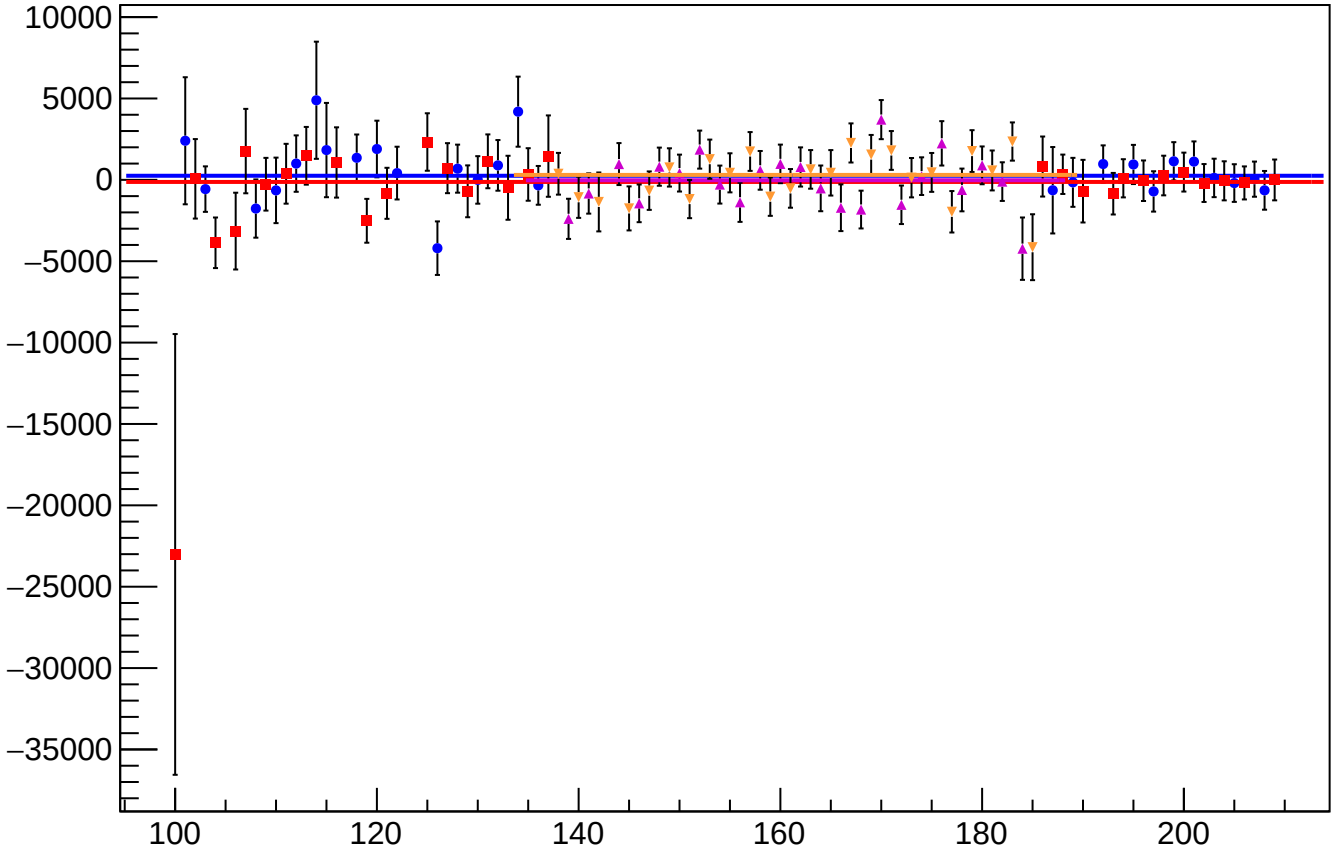
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 449.626+/-0.057 χ^2/NDF: 5316193.3/50

All: 454.534+/-0.040 χ^2/NDF: 12028752.4/10

- sign 459.641+/-0.058 χ^2/NDF: 6697269.9/52

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 251.585+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

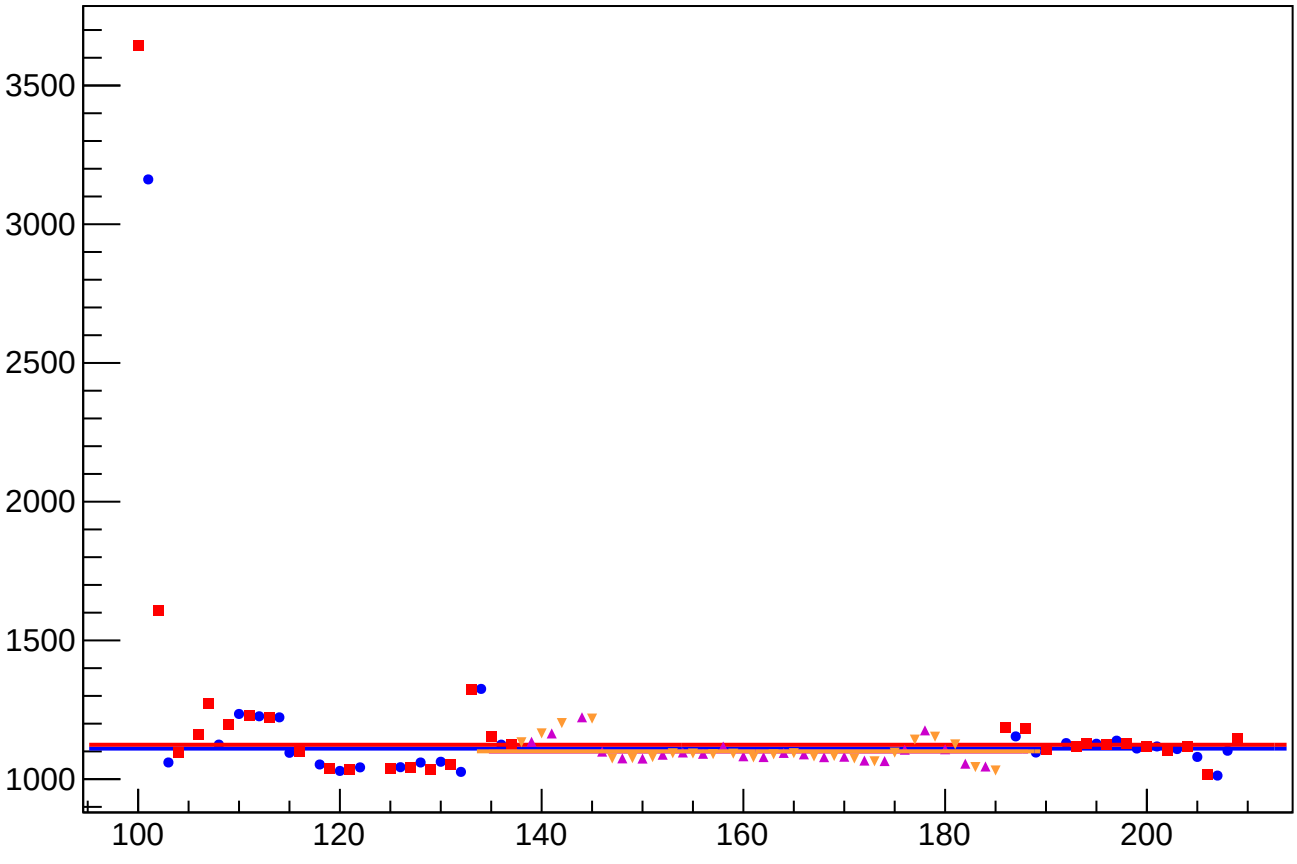
Right Out: -128.145+/-277.011 χ^2/NDF: 20.1/29

Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 280.034+/-189.360 χ^2/NDF: 48.8/50

All: 102.646+/-133.540 χ^2/NDF: 106.6/103

- sign -72.858+/-188.351 χ^2/NDF: 56.0/52



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.3/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

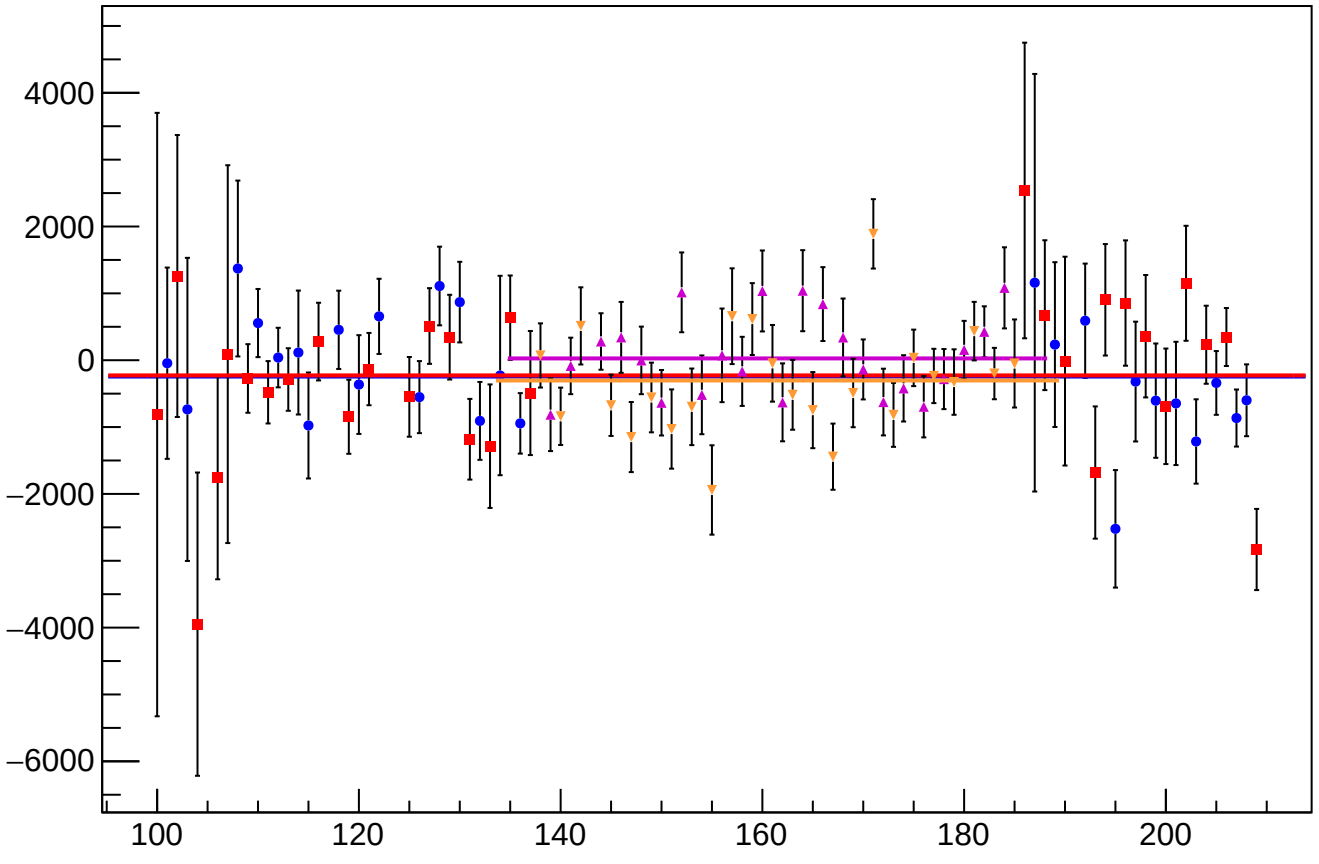
Right Out: 1123.946+/-0.196 χ^2/NDF: 259029.8/29

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1104.697+/-0.134 χ^2/NDF: 689059.7/50

All: 1107.723+/-0.094 χ^2/NDF: 1002374.7/10

- sign 1110.717+/-0.133 χ^2/NDF: 312299.0/52



Right In: -244.253+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

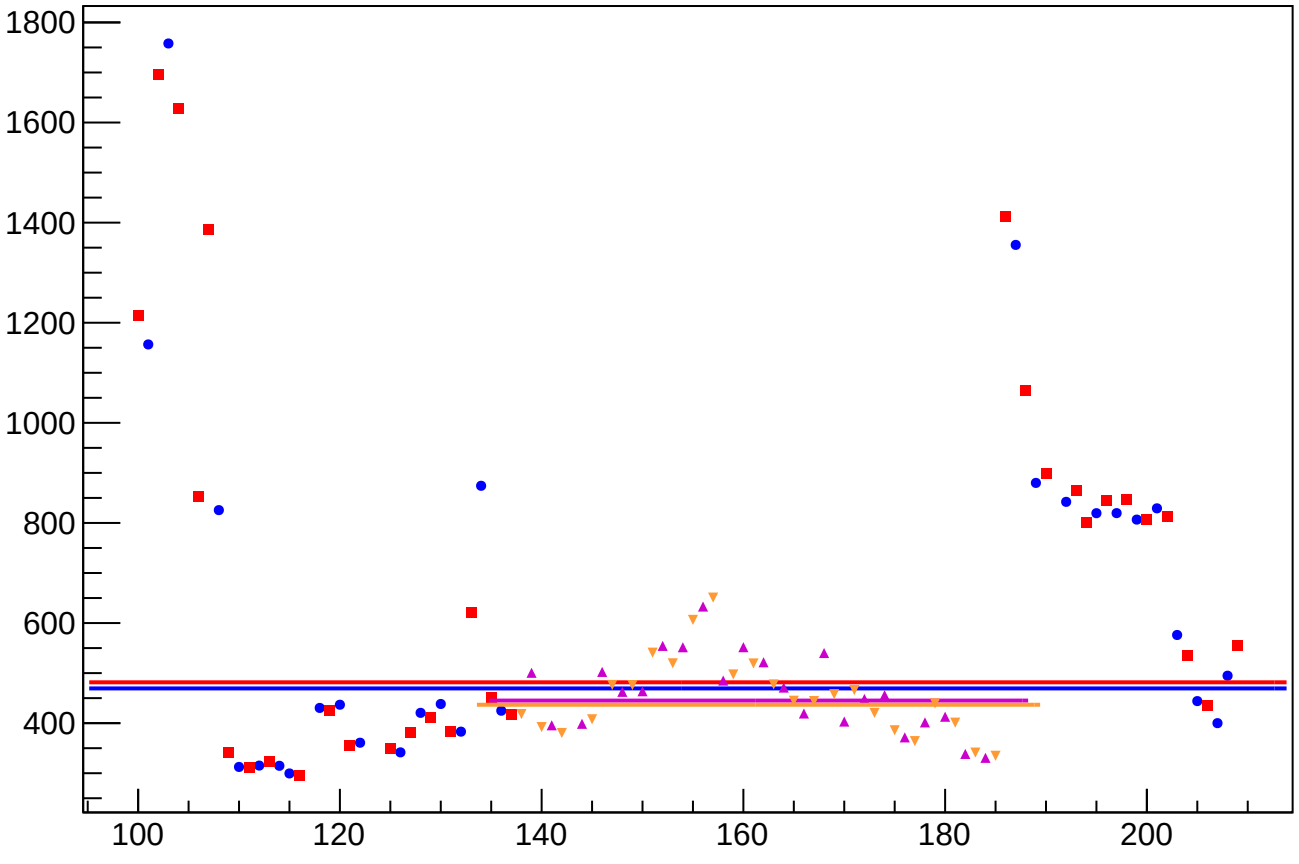
Right Out: -227.251+/-129.640 χ^2/NDF: 46.8/29

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -279.998+/-80.179 χ^2/NDF: 85.2/50

All: -179.226+/-57.257 χ^2/NDF: 165.4/103

- sign -74.360+/-81.791 χ^2/NDF: 76.9/52



Right In: 469.389+/-0.090 χ^2/NDF: 4382072.1/26

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 481.614+/-0.092 χ^2/NDF: 5727328.1/29

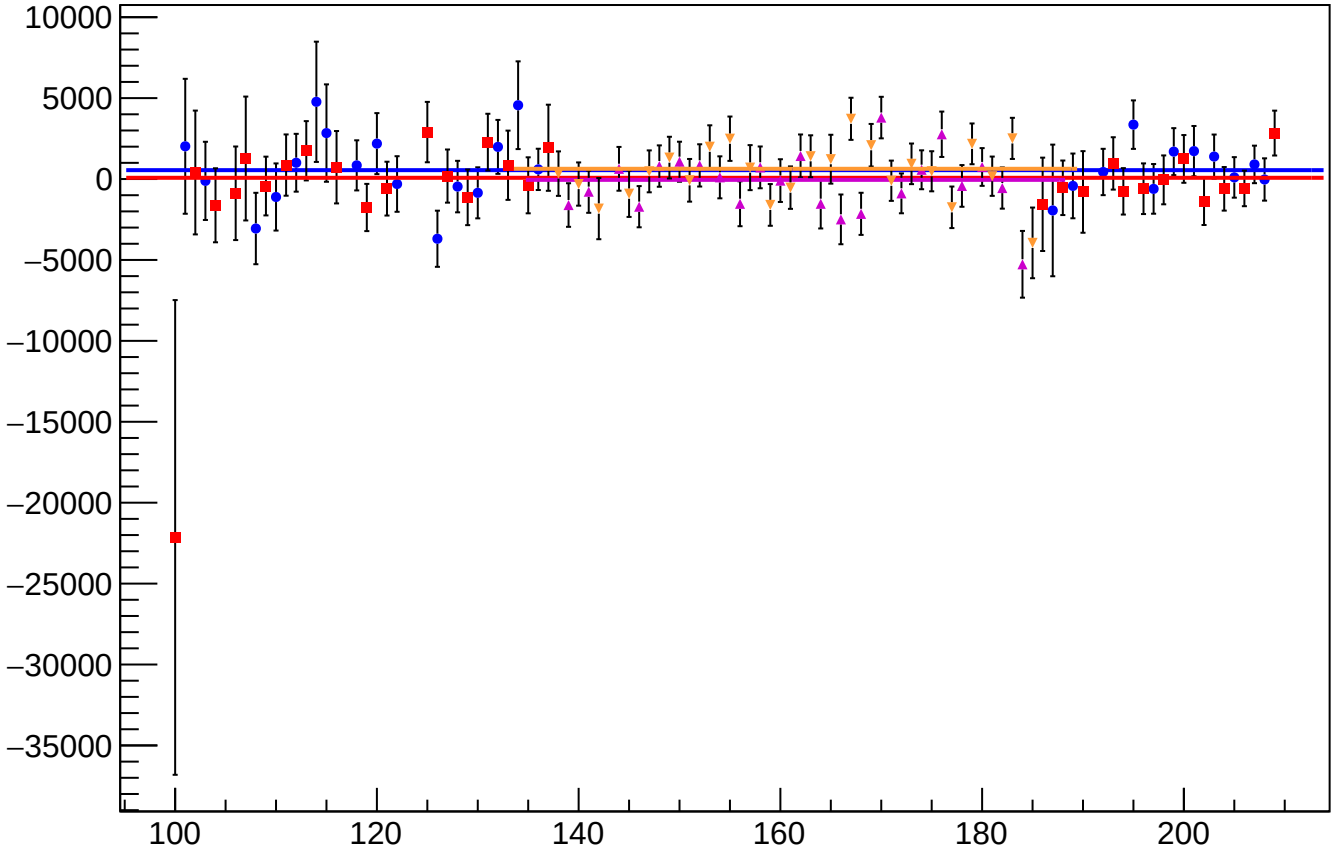
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 449.625+/-0.057 χ^2/NDF: 5316247.6/50

All: 454.532+/-0.040 χ^2/NDF: 12028893.5/10

- sign 459.639+/-0.058 χ^2/NDF: 6697357.6/52

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 548.445+/-324.382 χ^2/NDF: 23.3/26

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 76.392+/-323.525 χ^2/NDF: 18.7/29

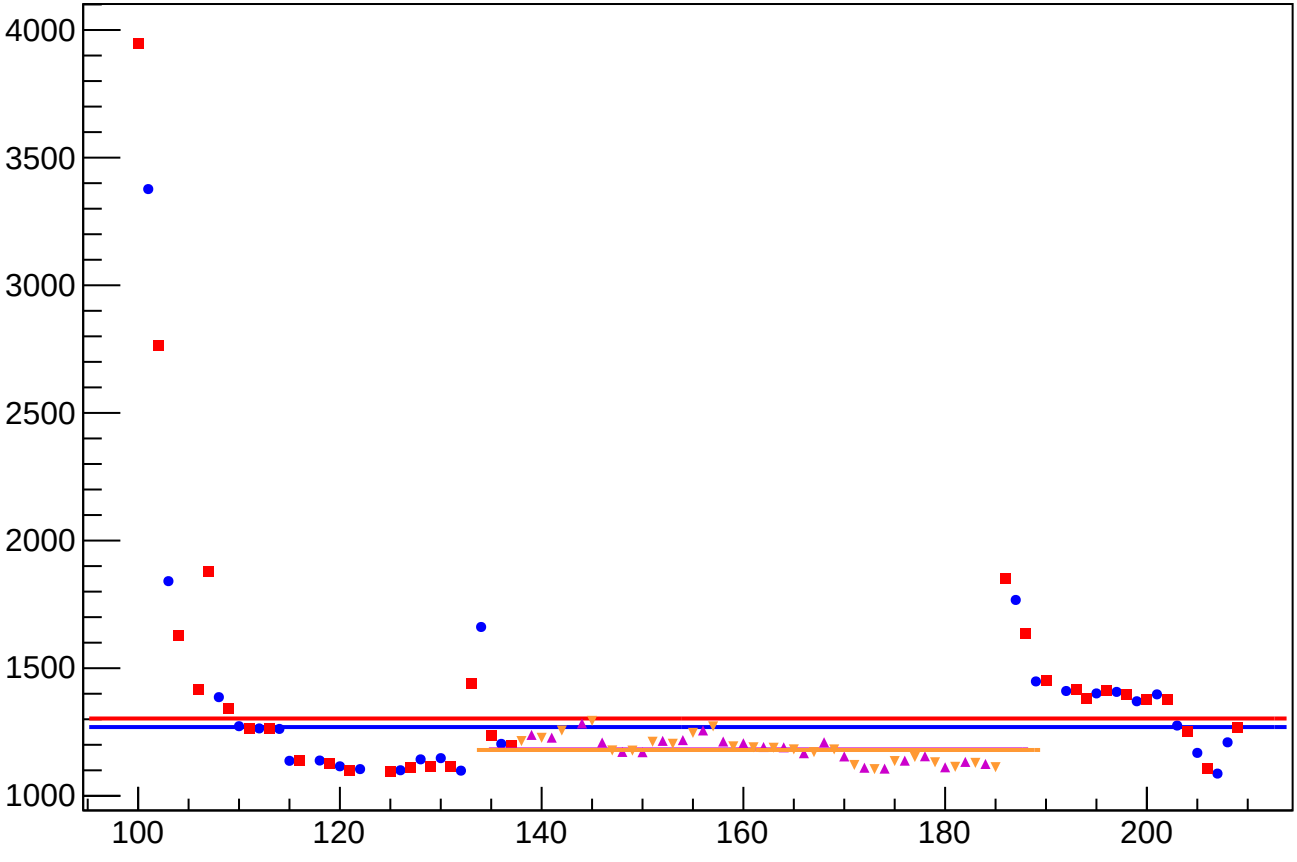
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 597.710+/-209.346 χ^2/NDF: 53.5/50

All: 301.279+/-148.284 χ^2/NDF: 111.2/103

\- sign 2.804+/-210.067 χ^2/NDF: 53.8/52

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1269.445+/-0.229 χ^2/NDF: 977294.8/26

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

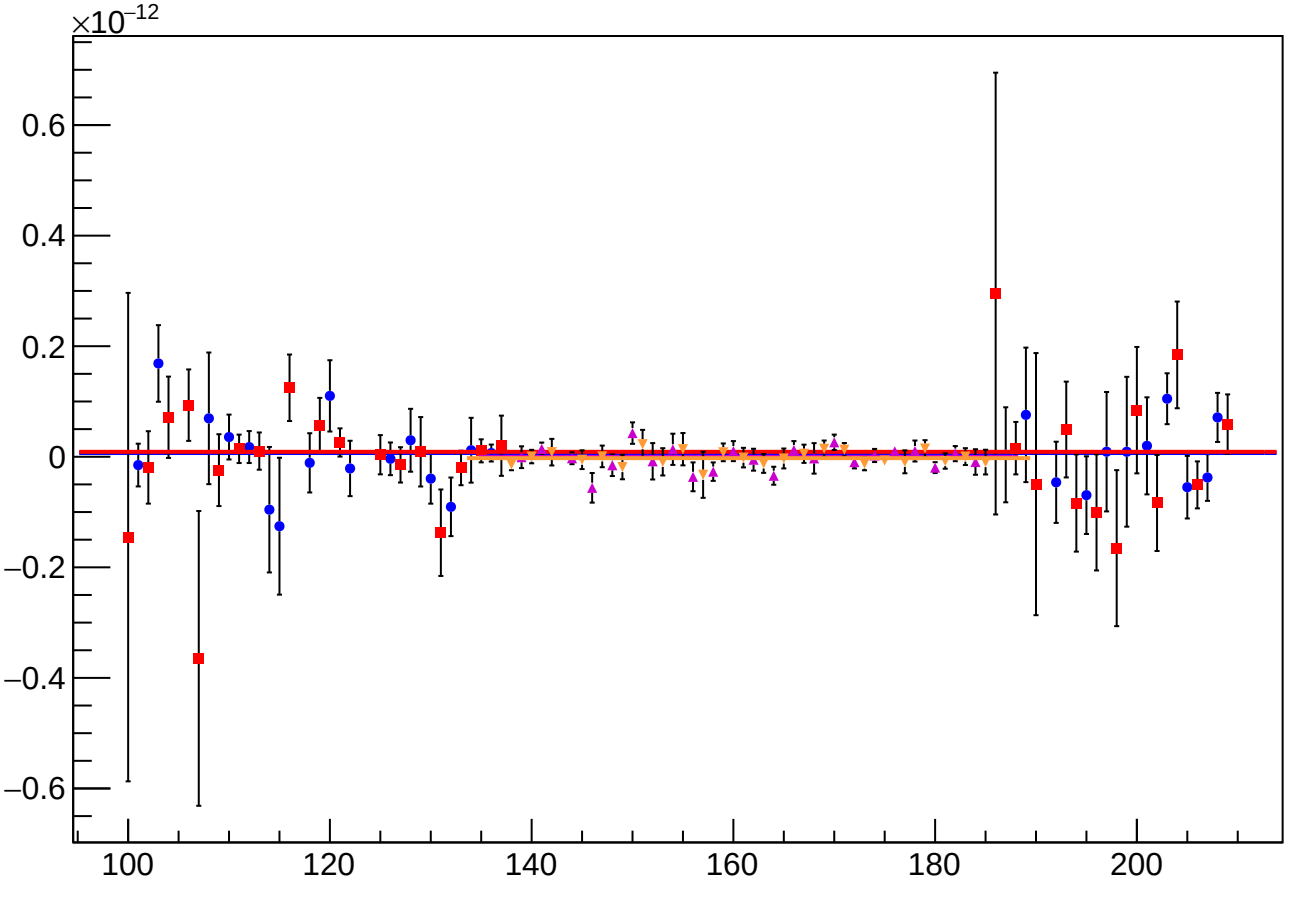
Right Out: 1303.024+/-0.229 χ^2/NDF: 901003.3/29

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1217.087+/-0.148 χ^2/NDF: 1131261.9/50

All: 1225.007+/-0.105 χ^2/NDF: 2260434.2/10

- sign 1232.983+/-0.149 χ^2/NDF: 1123426.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

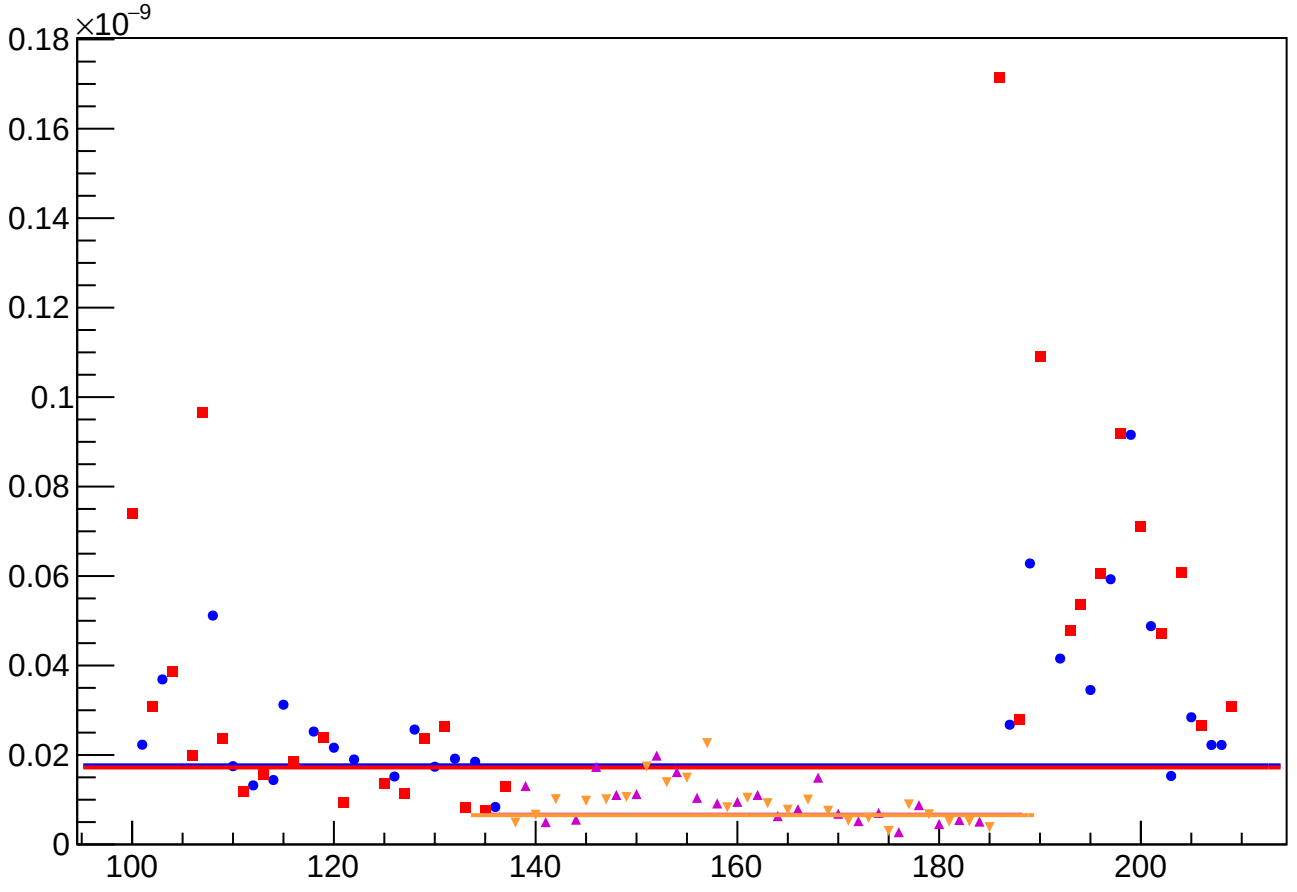
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/50

All: -0.000+/-0.000 χ^2/NDF: 100.1/103

- sign 0.000+/-0.000 χ^2/NDF: 60.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 3145507.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5076040.1/29

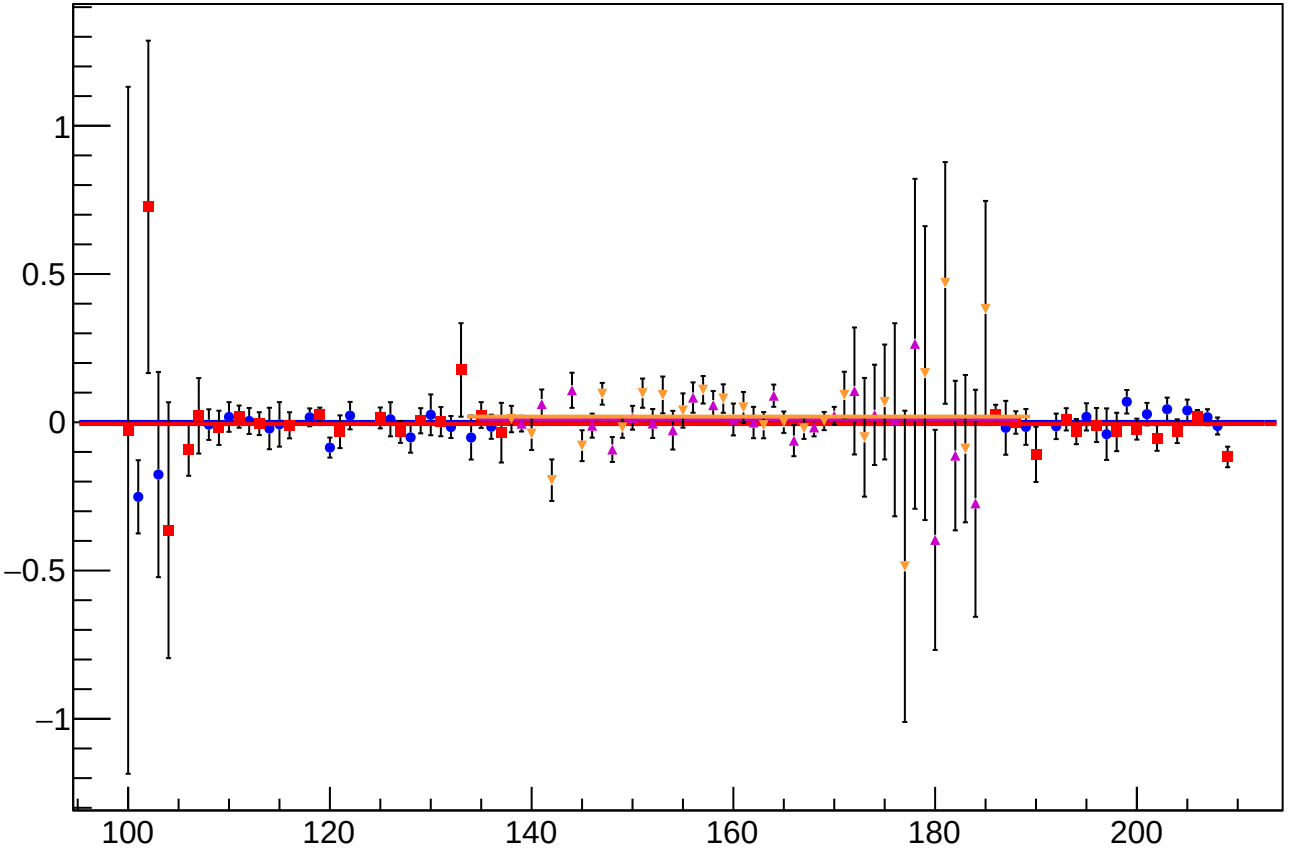
Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8453128.3/50

All: 0.000+/-0.000 χ^2/NDF: 18740667.0/103

- sign 0.000+/-0.000 χ^2/NDF: 10286857.9/52

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.008 χ^2/NDF: 25.0/29

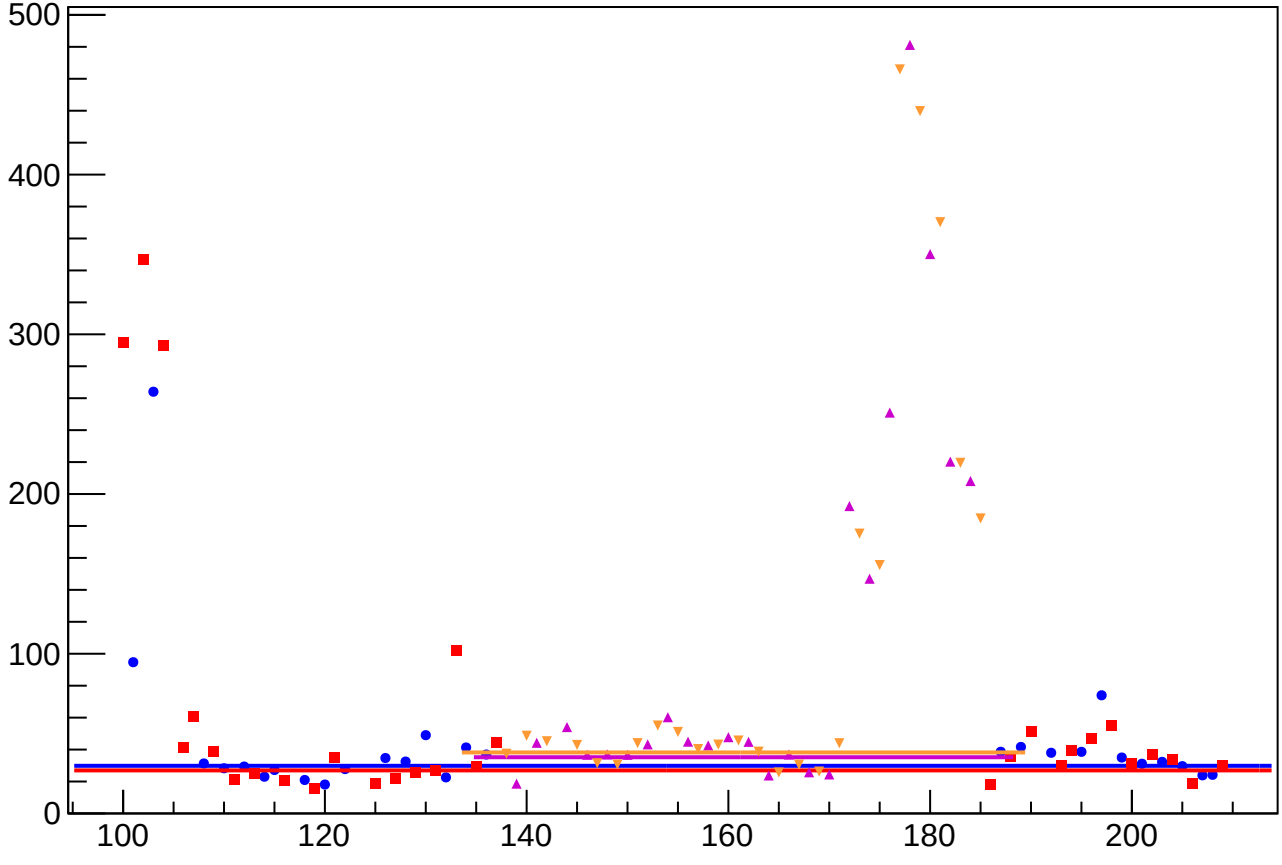
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.004+/-0.005 χ^2/NDF: 109.4/103

- sign 0.000+/-0.006 χ^2/NDF: 50.2/52

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

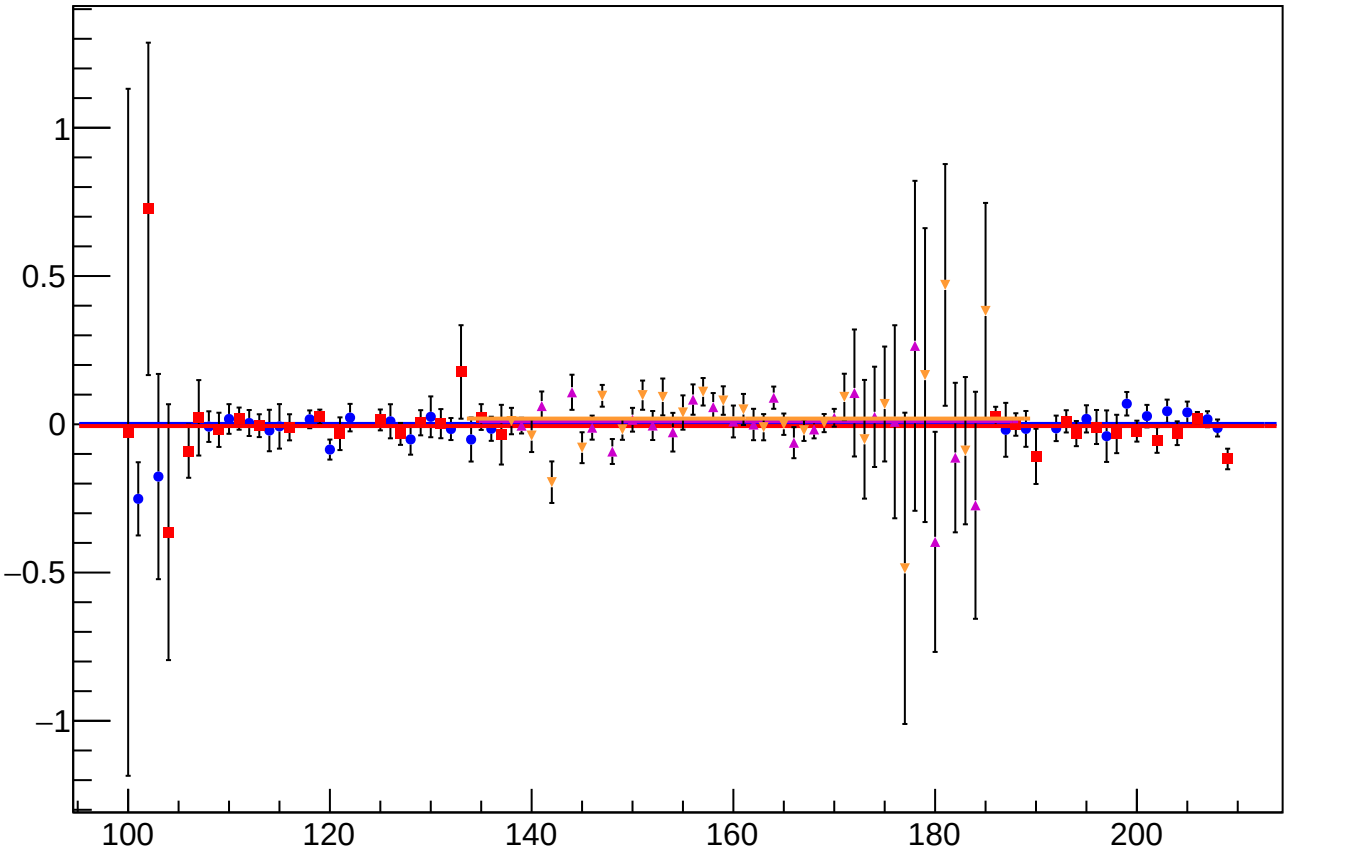
Right Out: 26.960+/-0.006 χ^2/NDF: 4715097.9/29

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.088+/-0.005 χ^2/NDF: 12267593.8/50

All: 31.430+/-0.003 χ^2/NDF: 27409925.4/103

- sign 30.007+/-0.004 χ^2/NDF: 14917340.6/52



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

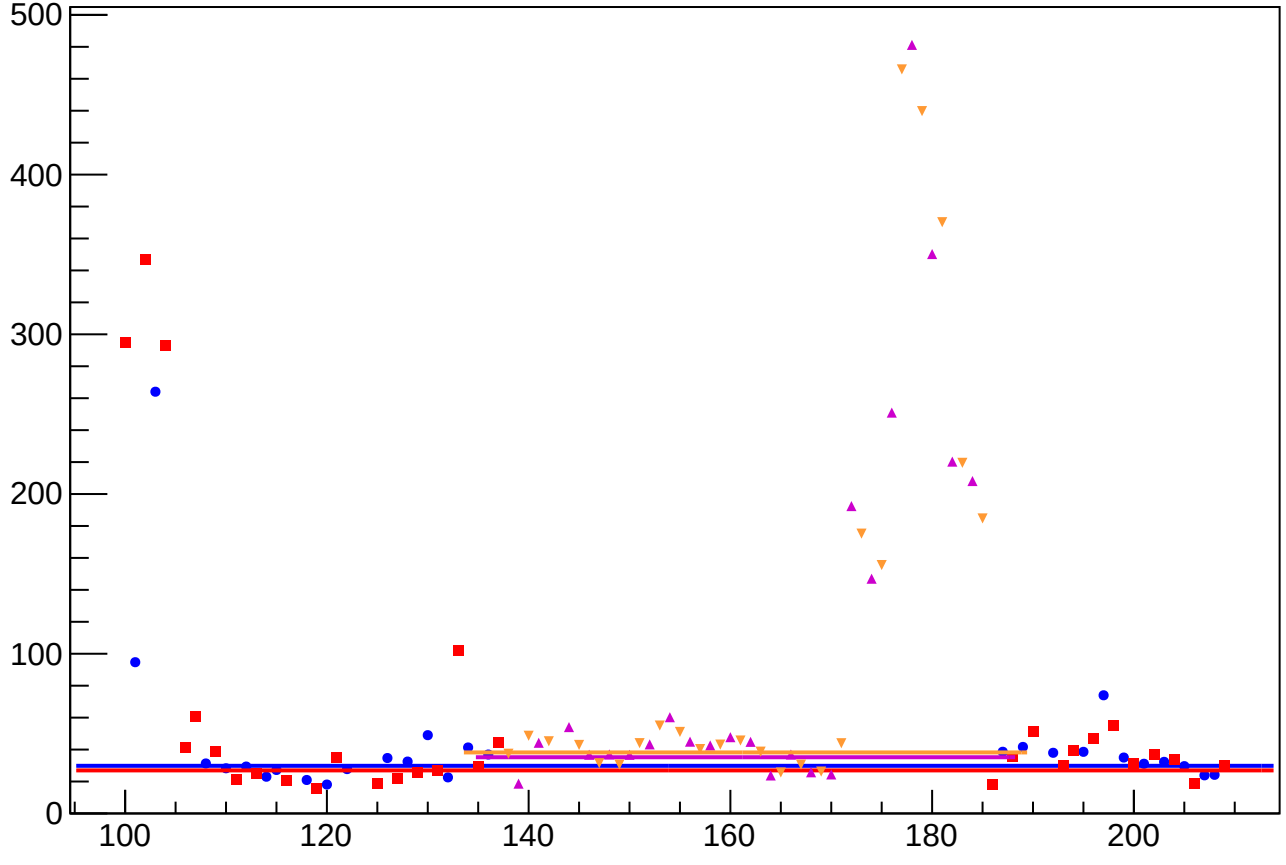
Right Out: -0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.004+/-0.005 χ^2/NDF: 109.4/103

- sign 0.000+/-0.006 χ^2/NDF: 50.2/52



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

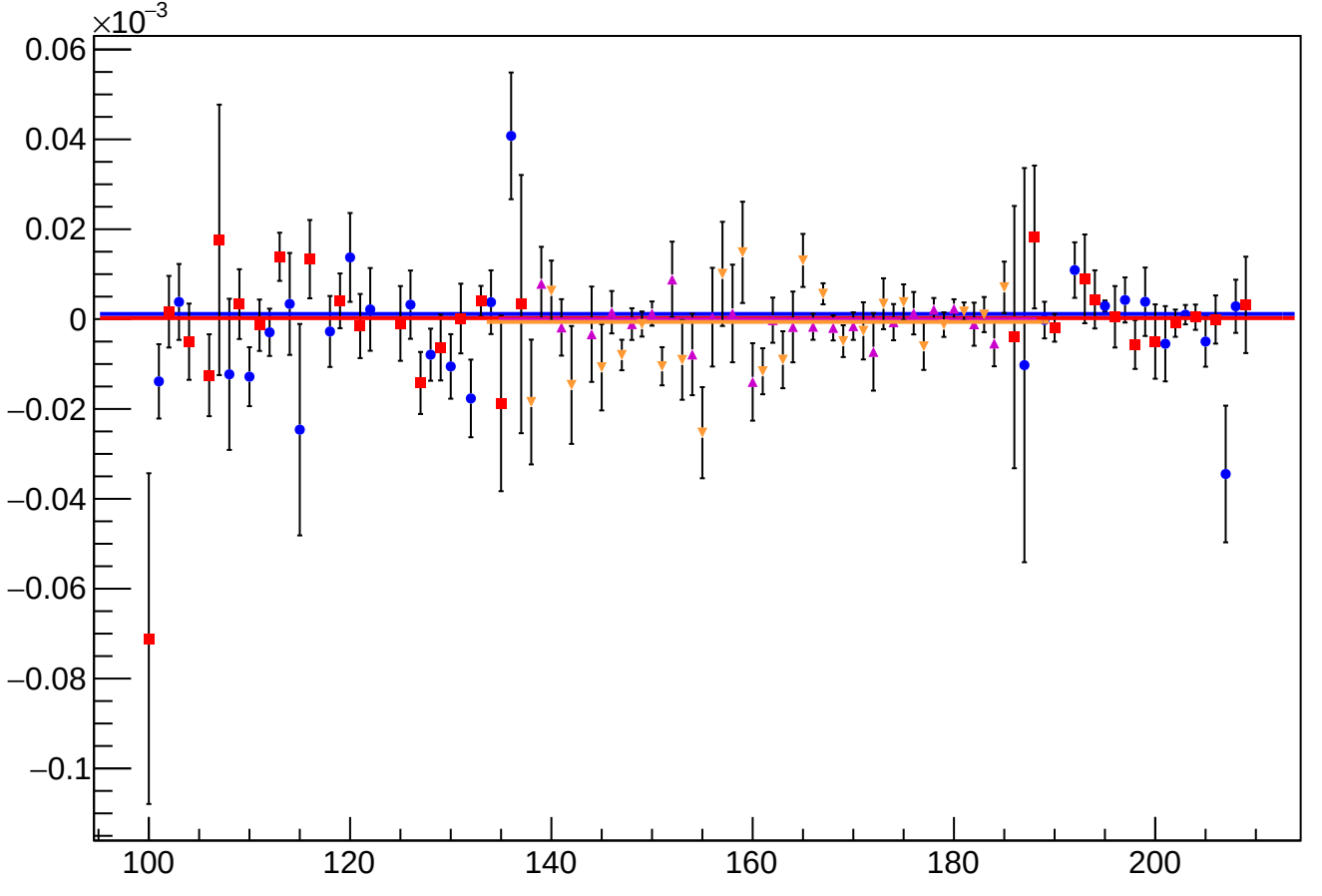
Right Out: 26.960+/-0.006 χ^2/NDF: 4715097.9/29

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.088+/-0.005 χ^2/NDF: 12267593.8/50

All: 31.430+/-0.003 χ^2/NDF: 27409925.4/103

- sign 30.007+/-0.004 χ^2/NDF: 14917340.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

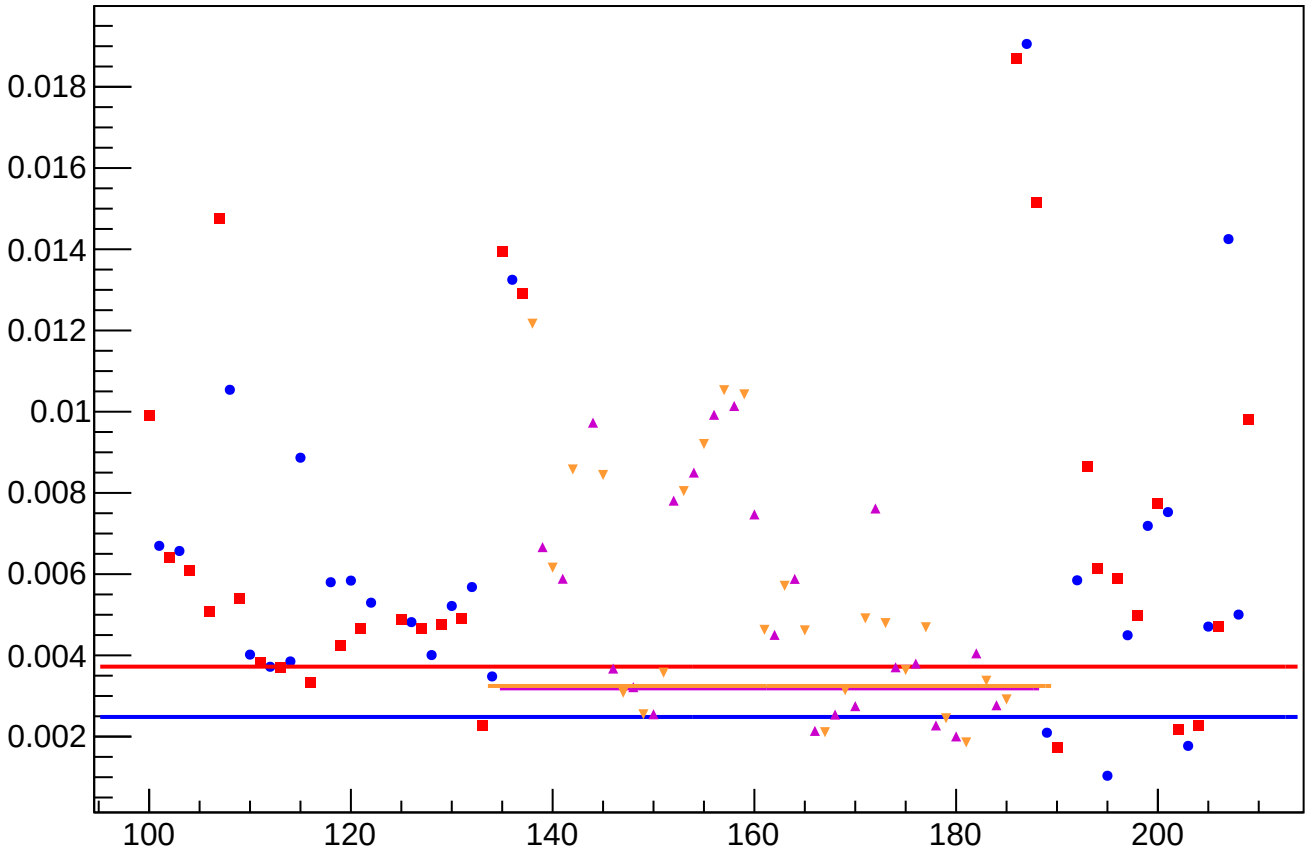
Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/29

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.2/50

All: 0.000+/-0.000 χ^2/NDF: 135.4/103

- sign 0.000+/-0.000 χ^2/NDF: 39.1/52



Right In: 0.002+/-0.000 χ^2/NDF: 12326798.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

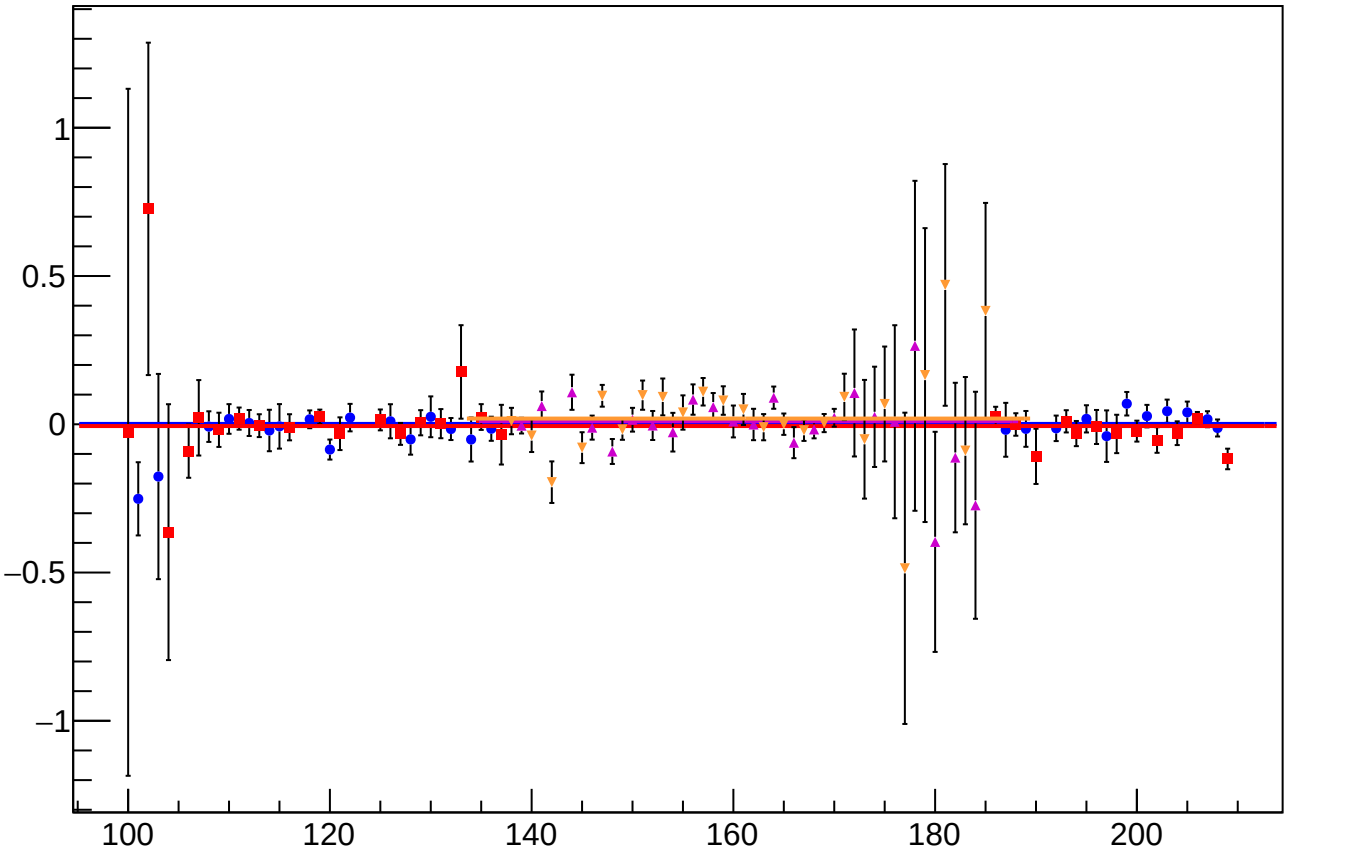
Right Out: 0.004+/-0.000 χ^2/NDF: 7888294.0/29

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 20846636.8/50

All: 0.003+/-0.000 χ^2/NDF: 37011423.4/103

- sign 0.003+/-0.000 χ^2/NDF: 15486533.2/52



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

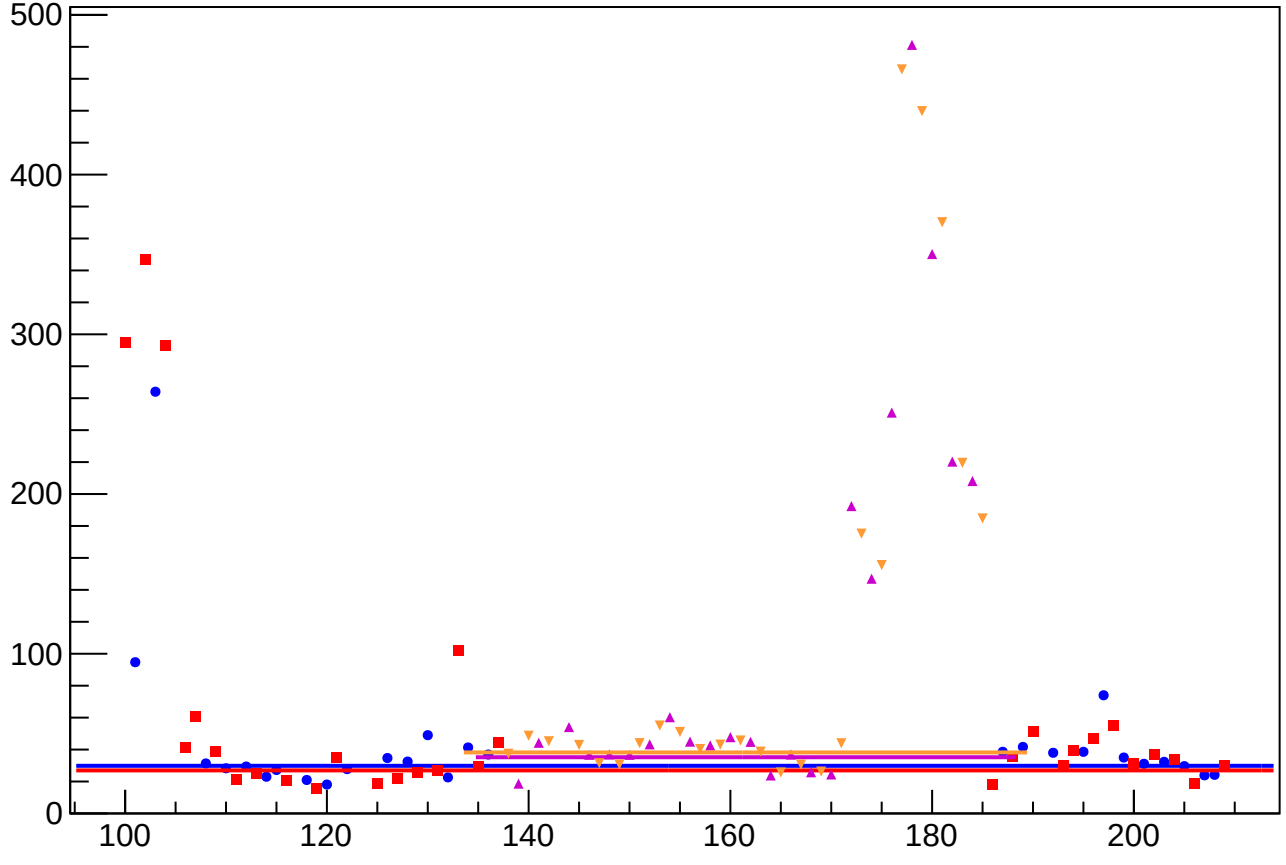
Right Out: -0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.004+/-0.005 χ^2/NDF: 109.4/103

- sign 0.000+/-0.006 χ^2/NDF: 50.2/52



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

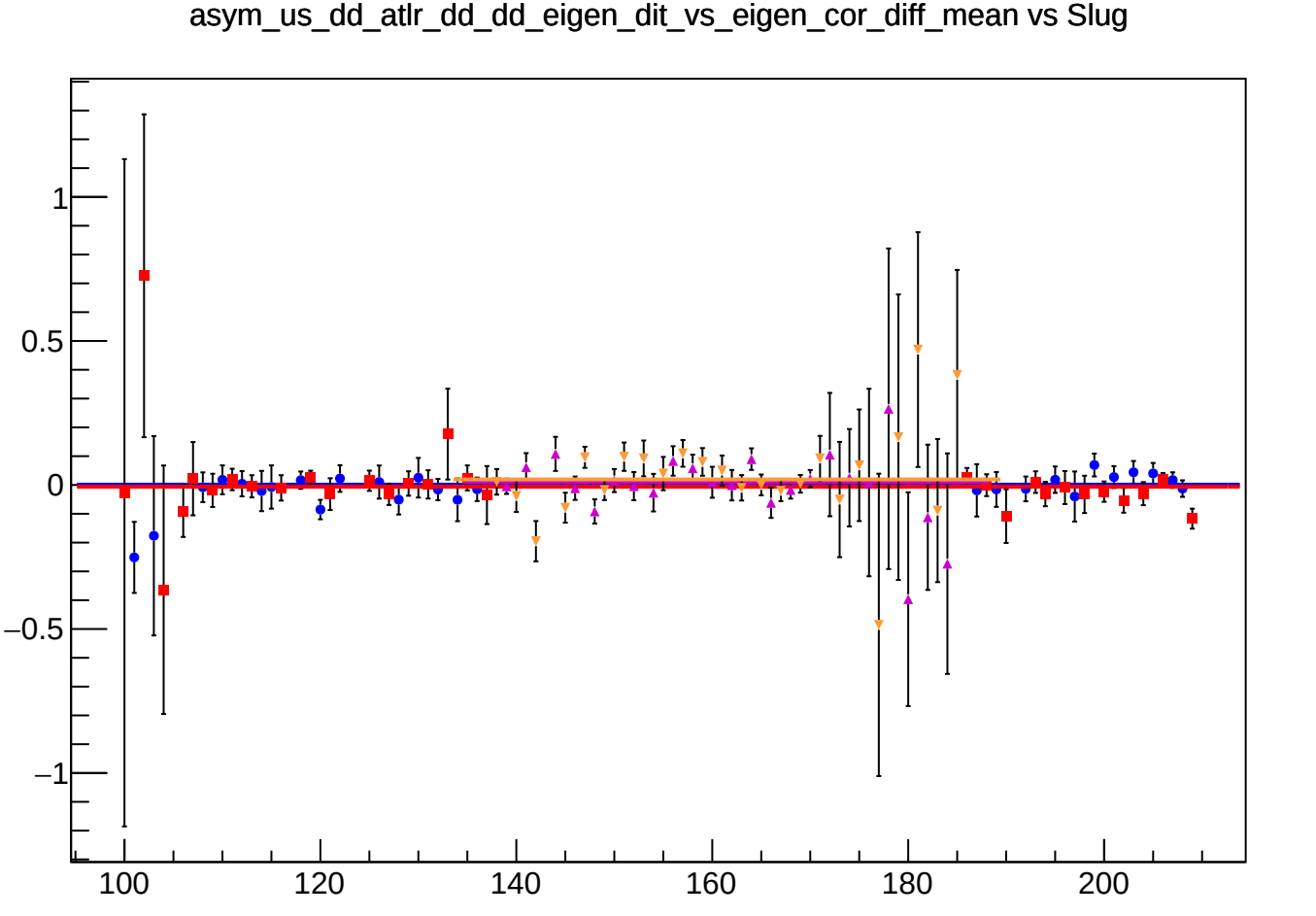
Right Out: 26.959+/-0.006 χ^2/NDF: 4715376.6/29

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.087+/-0.005 χ^2/NDF: 12268240.1/50

All: 31.429+/-0.003 χ^2/NDF: 27411519.4/103

- sign 30.006+/-0.004 χ^2/NDF: 14918276.3/52



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

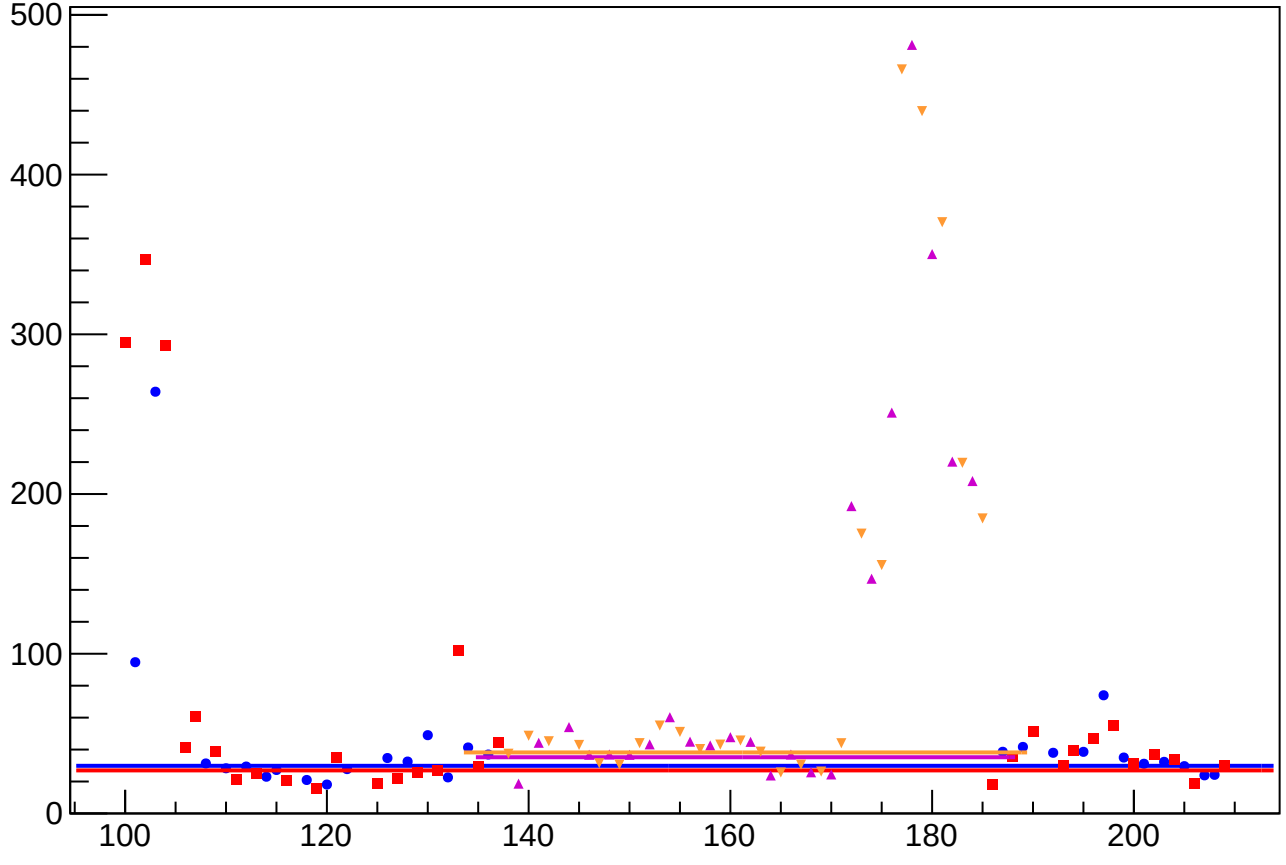
Right Out: -0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.008+/-0.007 χ^2/NDF: 58.4/50

All: 0.004+/-0.005 χ^2/NDF: 109.4/103

- sign 0.000+/-0.006 χ^2/NDF: 50.2/52



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

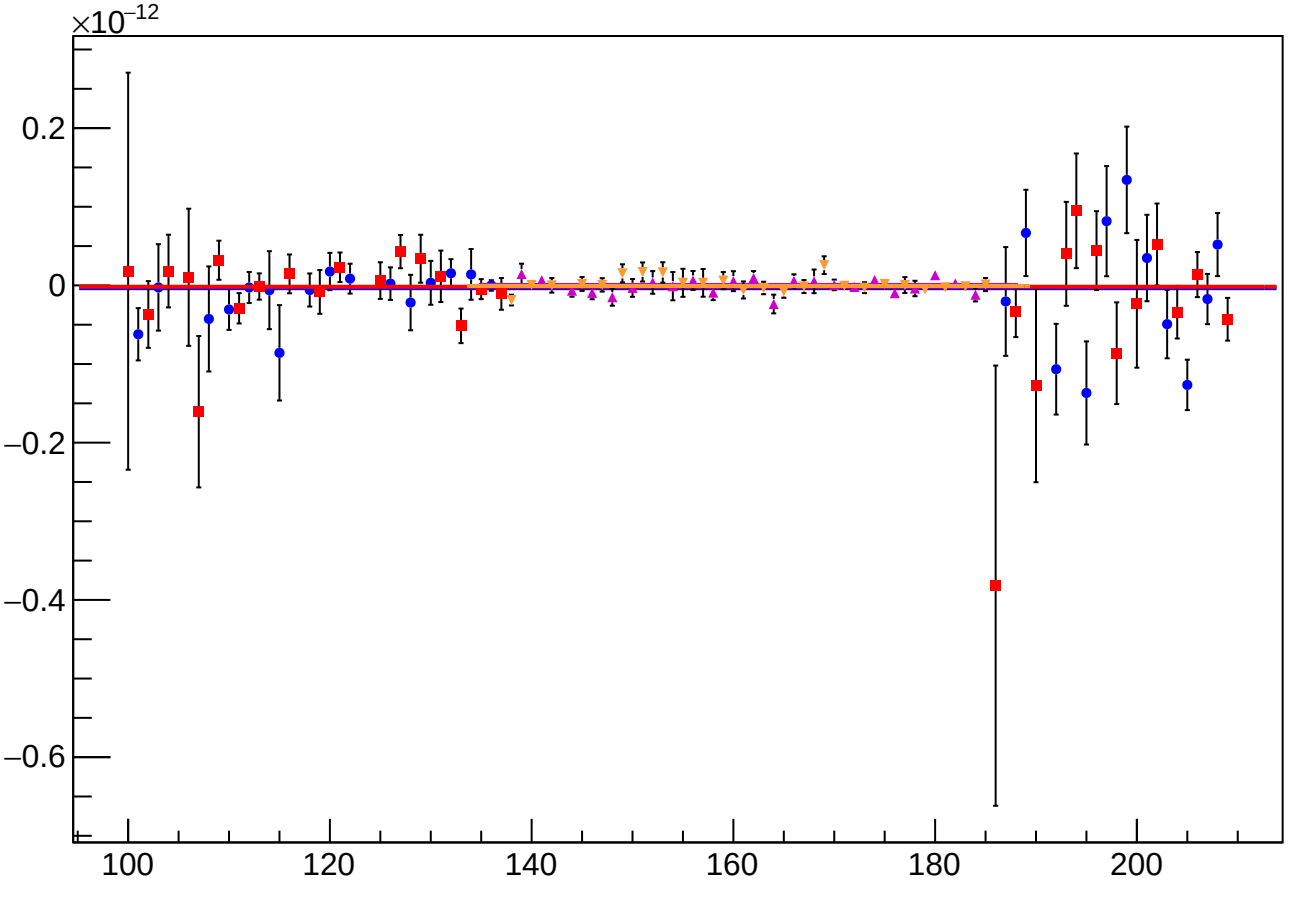
Right Out: 26.959+/-0.006 χ^2/NDF: 4715376.6/29

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.087+/-0.005 χ^2/NDF: 12268240.1/50

All: 31.429+/-0.003 χ^2/NDF: 27411519.4/103

- sign 30.006+/-0.004 χ^2/NDF: 14918276.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

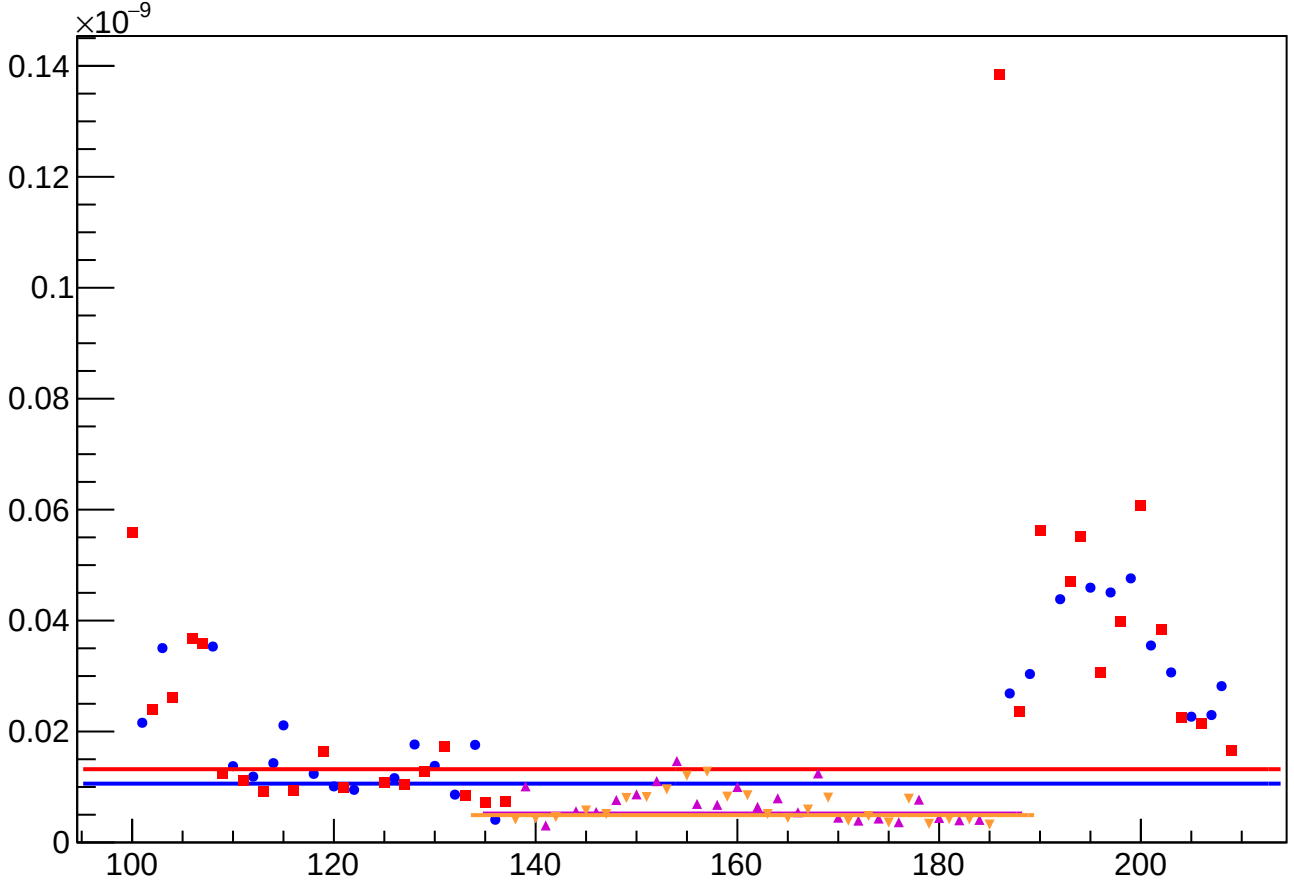
Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/29

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.2/50

All: -0.000+/-0.000 χ^2/NDF: 125.4/103

- sign 0.000+/-0.000 χ^2/NDF: 60.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 7636862.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5775921.0/29

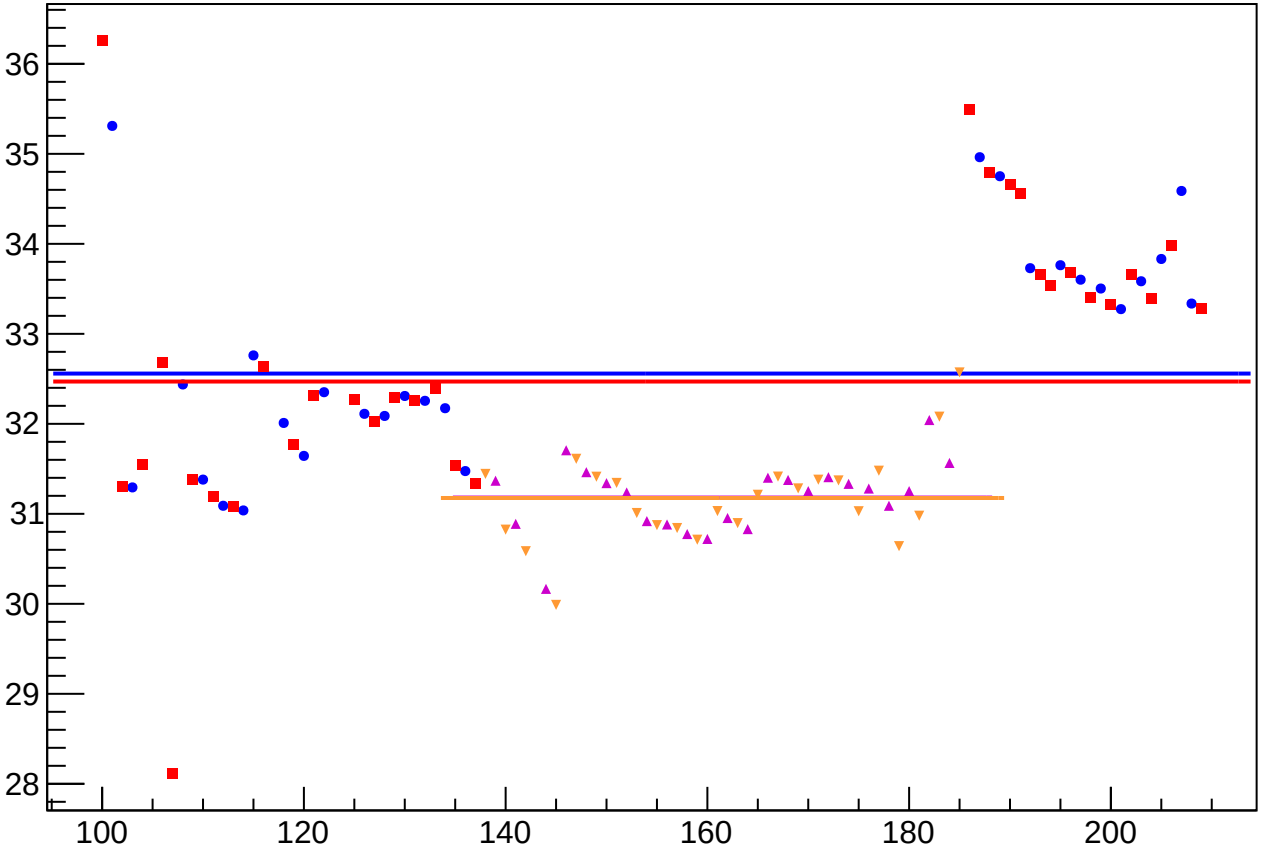
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13070286.7/50

All: 0.000+/-0.000 χ^2/NDF: 26745094.7/103

- sign 0.000+/-0.000 χ^2/NDF: 13599956.9/52

yield_usl_mean vs Slug



Right In: 32.559+/-0.000 χ^2/NDF: 2237496636.6/26

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.470+/-0.000 χ^2/NDF: 2072246202.3/30

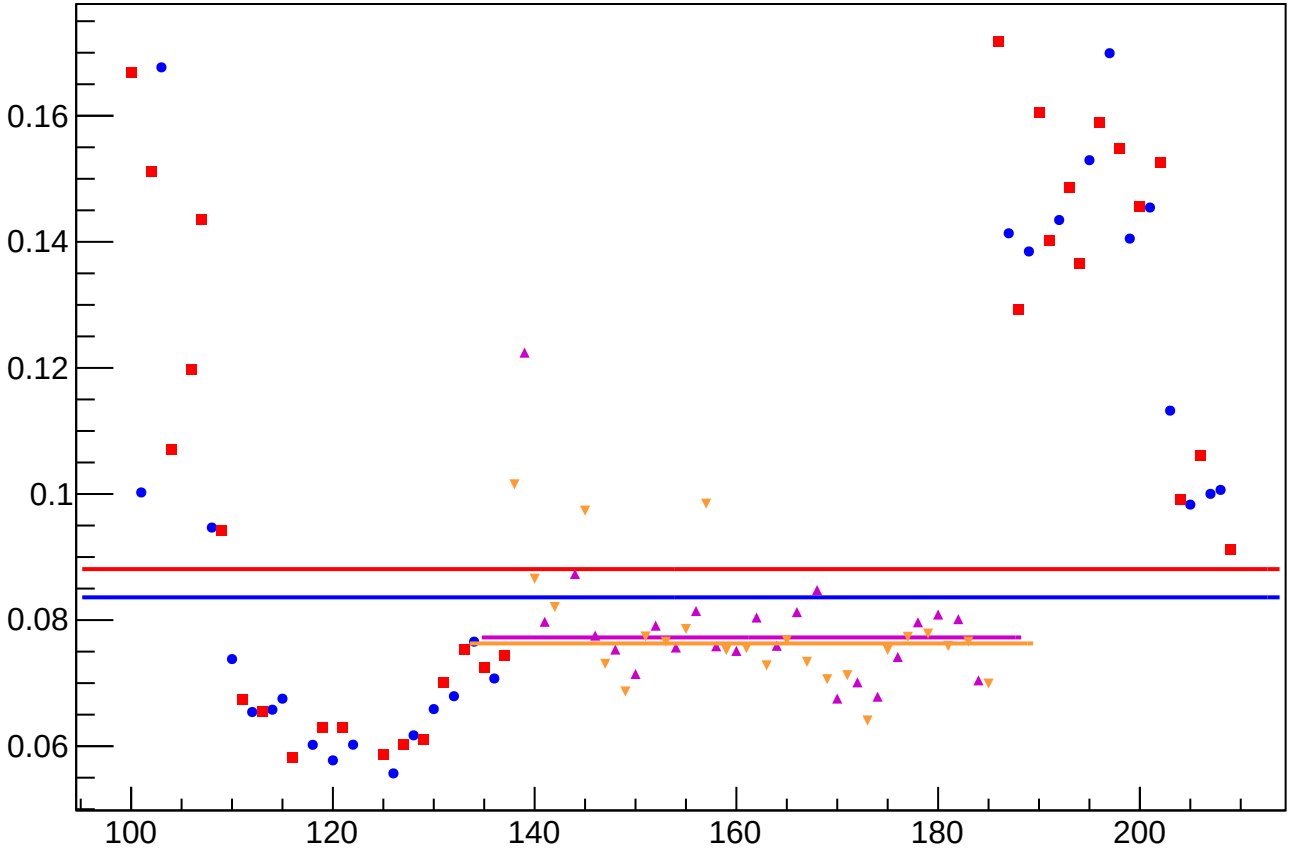
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.722+/-0.000 χ^2/NDF: 4940333651.2/50

All: 31.708+/-0.000 χ^2/NDF: 9220211515.6/1

- sign 31.693+/-0.000 χ^2/NDF: 4277934300.3/53

yield_usl_rms vs Slug



Right In: 0.084+/-0.000 χ^2/NDF: 3444257.4/26

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.088+/-0.000 χ^2/NDF: 3941227.0/30

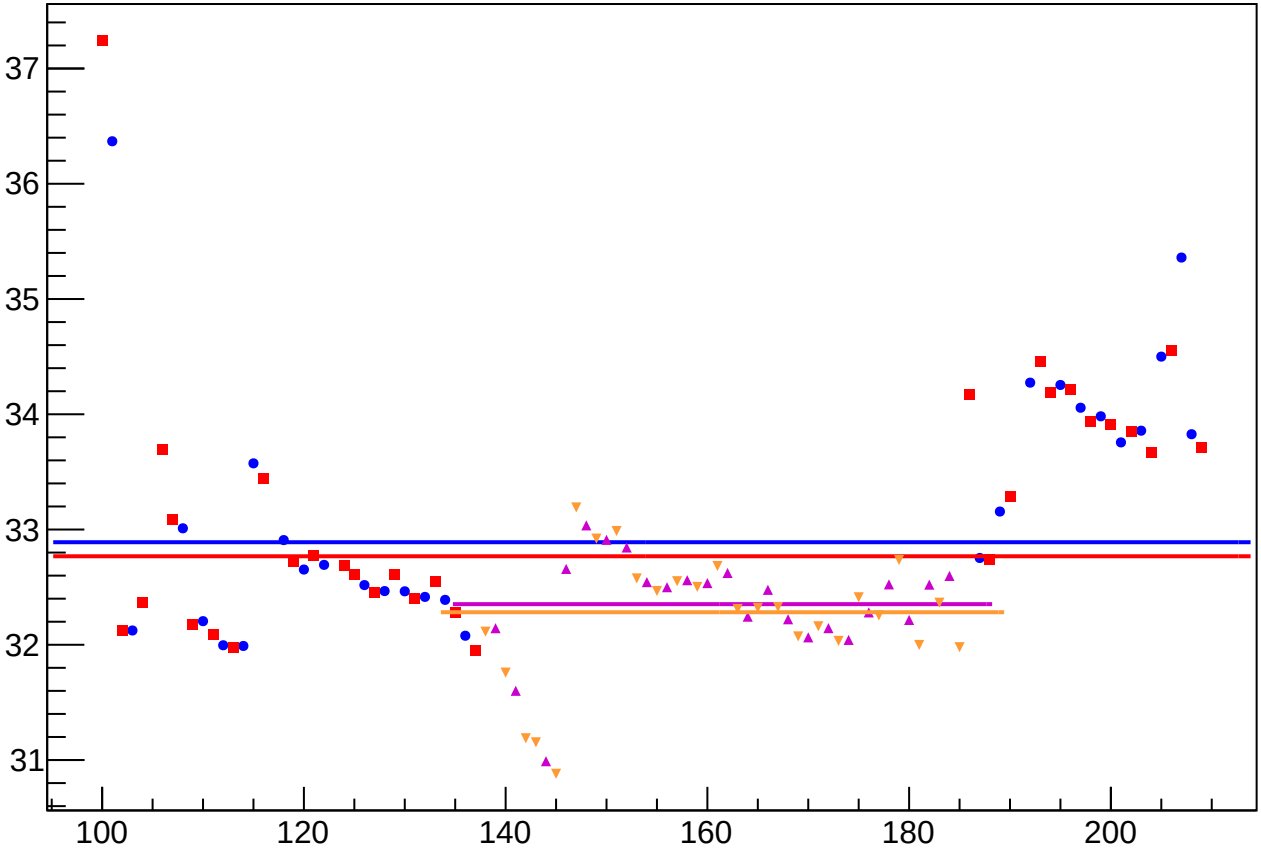
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.079+/-0.000 χ^2/NDF: 3922540.4/50

All: 0.080+/-0.000 χ^2/NDF: 8513889.1/104

- sign 0.082+/-0.000 χ^2/NDF: 4565099.0/53

yield_usr_mean vs Slug



Right In: 32.890+/-0.000 χ^2/NDF: 1141028933.3/26

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.768+/-0.000 χ^2/NDF: 550205349.5/30

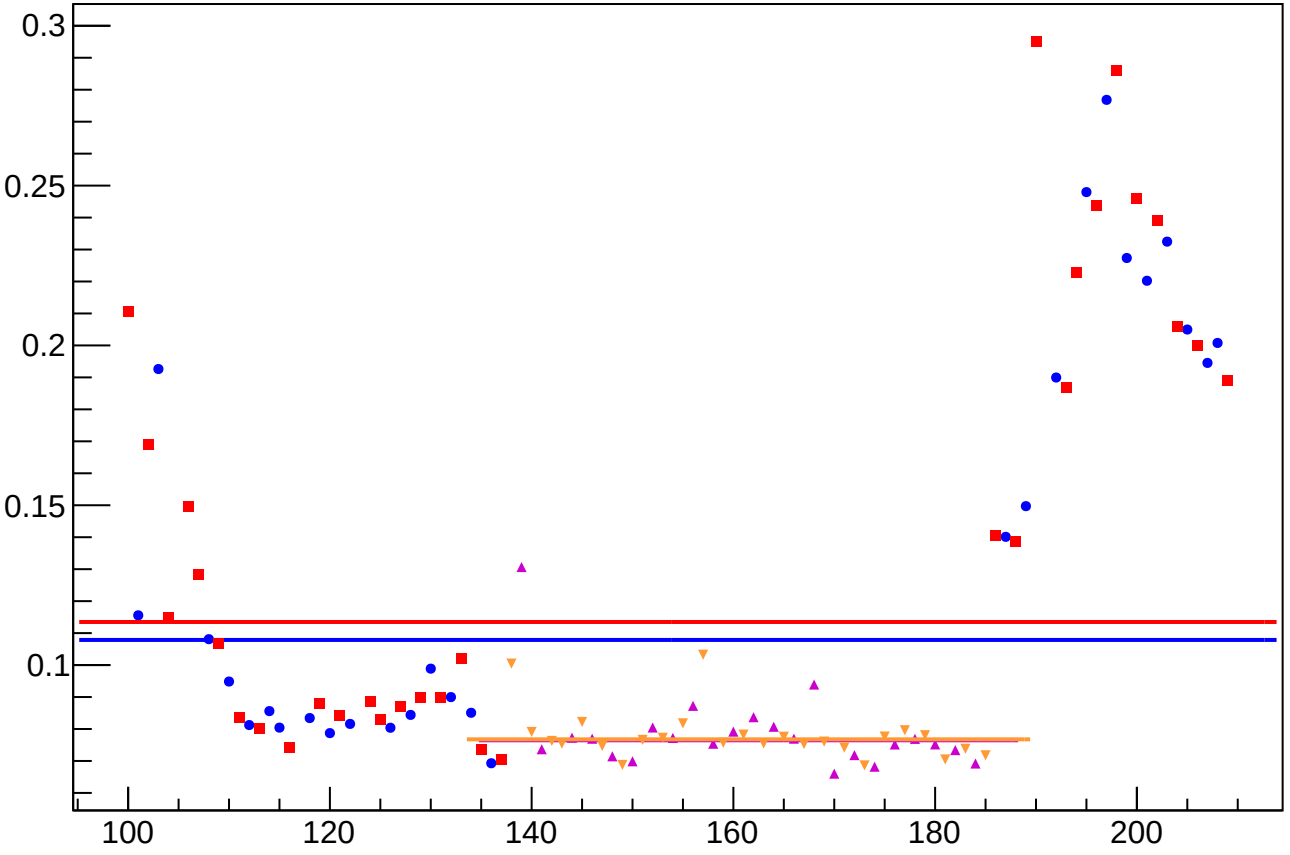
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.438+/-0.000 χ^2/NDF: 2263550808.9/51

All: 32.449+/-0.000 χ^2/NDF: 3534628875.5/1

- sign 32.461+/-0.000 χ^2/NDF: 1270014073.3/53

yield_usr_rms vs Slug



Right In: 0.108+/-0.000 χ^2/NDF: 5350339.0/26

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.113+/-0.000 χ^2/NDF: 5426145.8/30

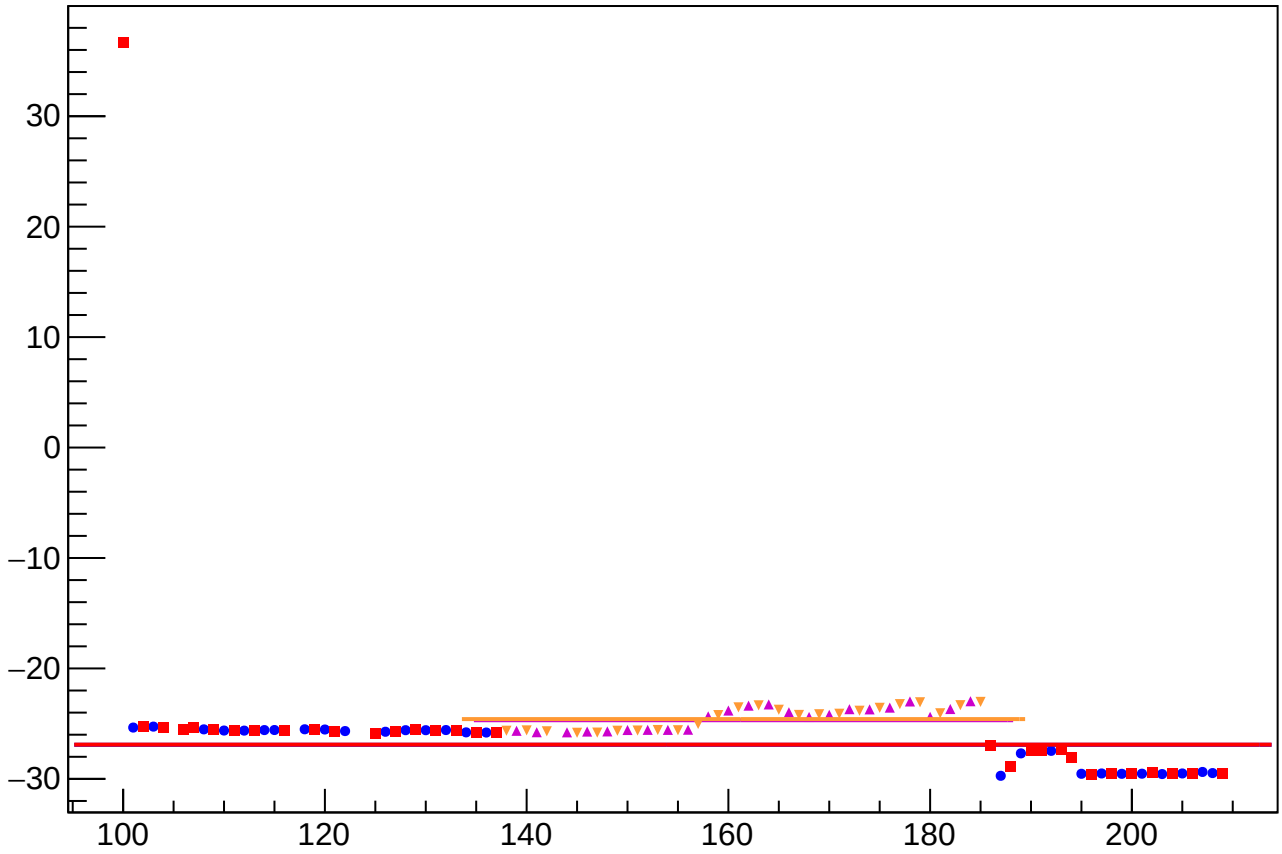
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.085+/-0.000 χ^2/NDF: 7087342.9/51

All: 0.085+/-0.000 χ^2/NDF: 15066821.5/105

- sign 0.086+/-0.000 χ^2/NDF: 7971536.8/53

yield_dsl_mean vs Slug



Right In: -26.916+/-0.000 χ^2/NDF: 21013094984.3/26

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.899+/-0.000 χ^2/NDF: 29393108053.4/30

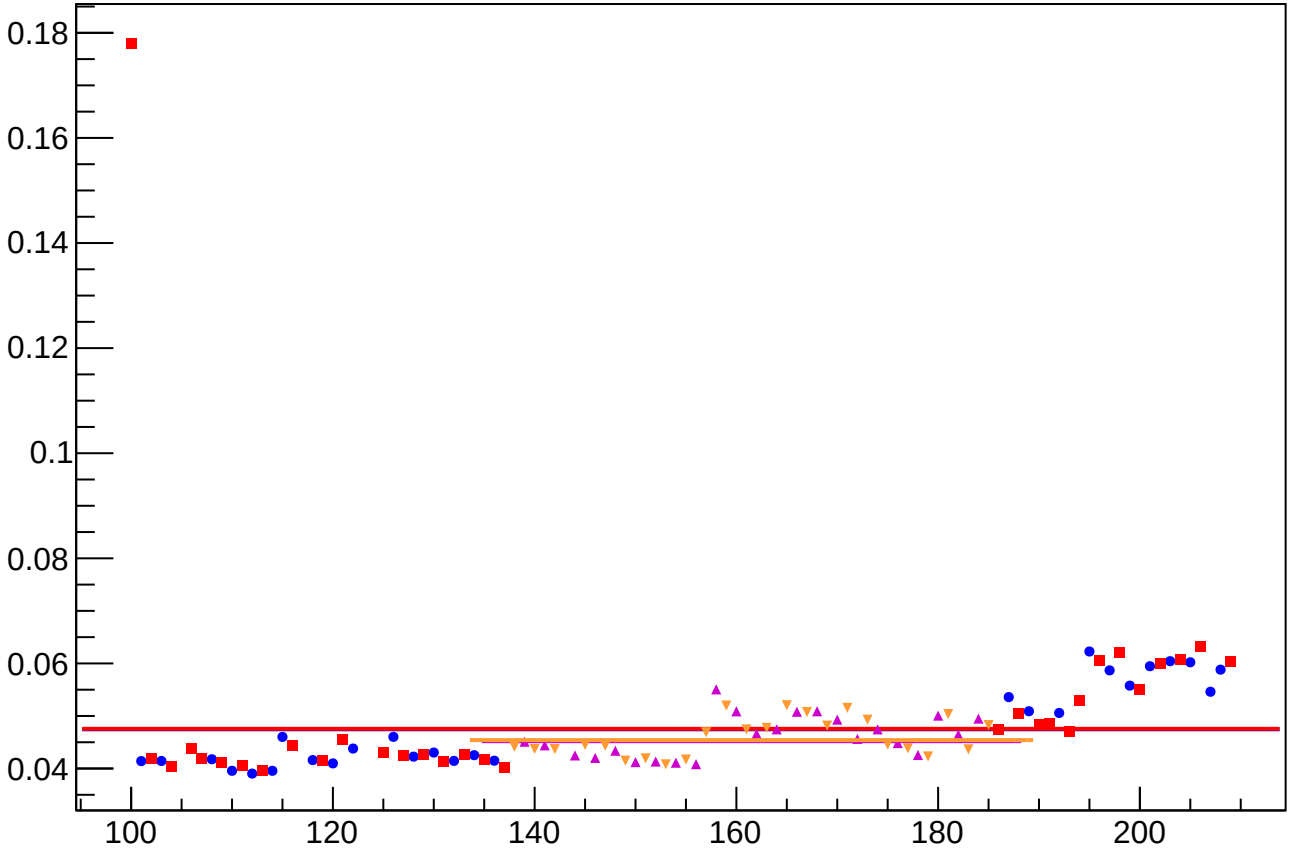
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.596+/-0.000 χ^2/NDF: 50701050662.4/50

All: -25.643+/-0.000 χ^2/NDF: 10822244810

- sign -25.688+/-0.000 χ^2/NDF: 57454775737.3/53

yield_dsl_rms vs Slug



Right In: 0.047+/-0.000 χ^2/NDF: 800670.7/26

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.048+/-0.000 χ^2/NDF: 918781.9/30

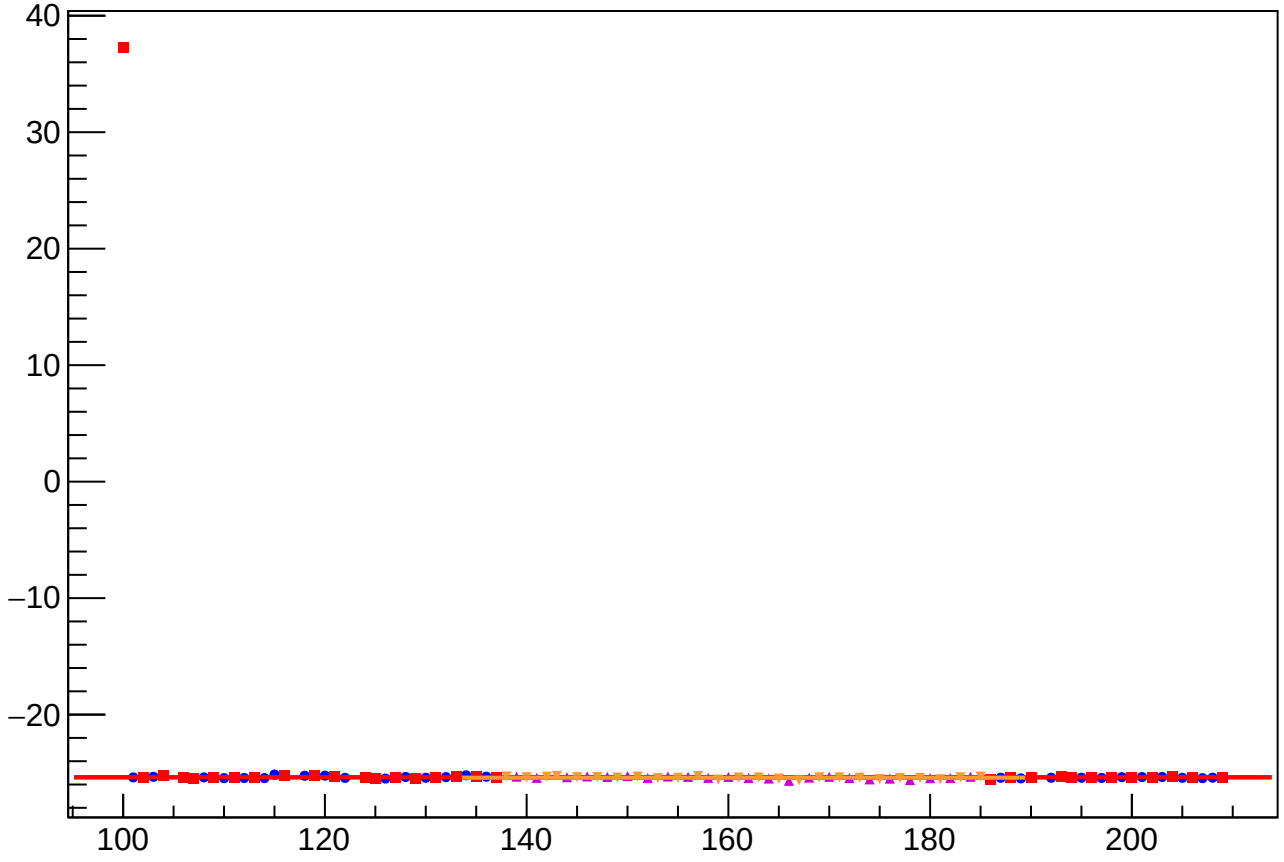
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.046+/-0.000 χ^2/NDF: 1038391.1/50

All: 0.046+/-0.000 χ^2/NDF: 2245346.6/104

- sign 0.046+/-0.000 χ^2/NDF: 1206939.8/53

yield_dsr_mean vs Slug



Right In: -25.391+/-0.000 χ^2/NDF: 21249104.5/26

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.370+/-0.000 χ^2/NDF: 6332380798.8/30

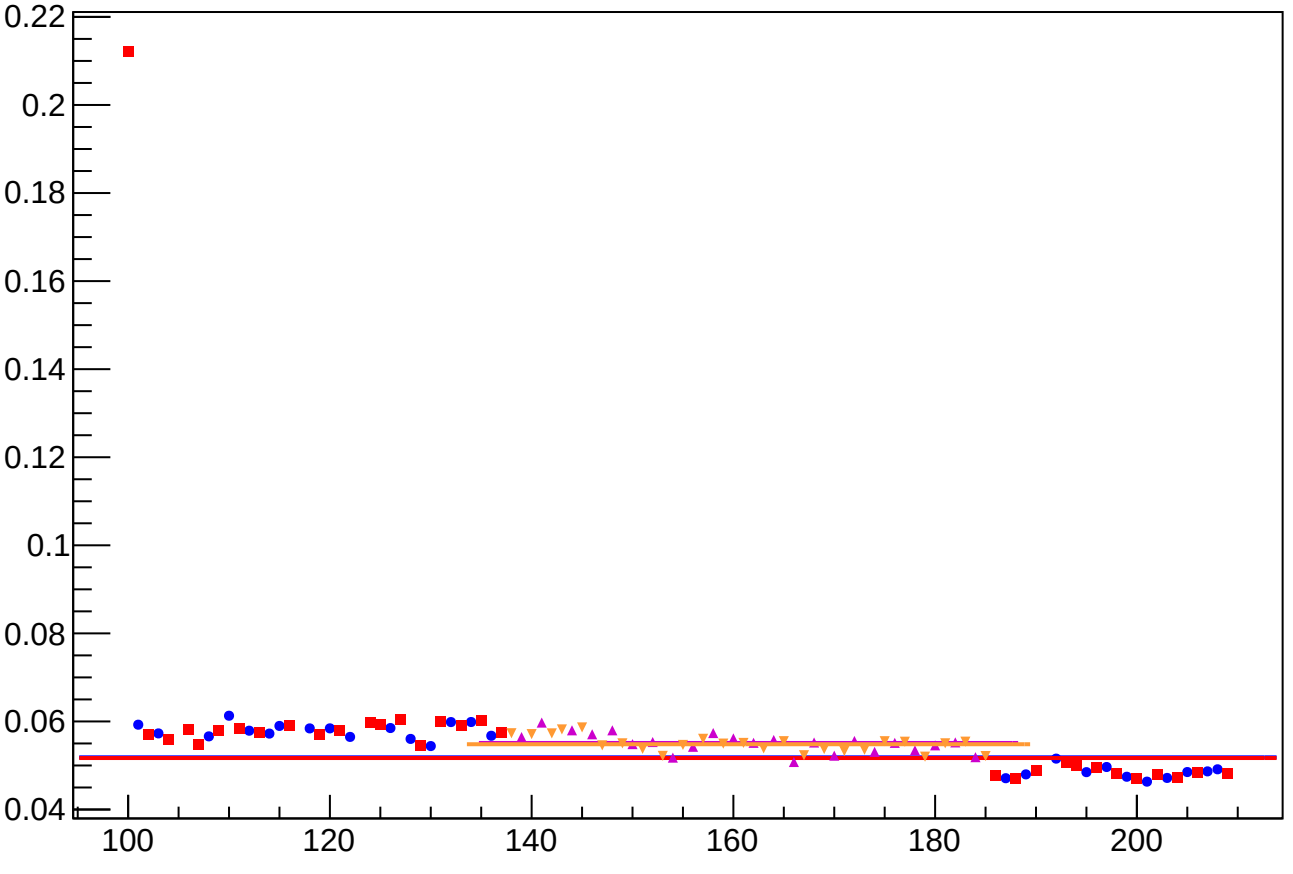
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.405+/-0.000 χ^2/NDF: 75369872.0/51

All: -25.398+/-0.000 χ^2/NDF: 6470637031.3/

- sign -25.391+/-0.000 χ^2/NDF: 6394192808.1/53

yield_dsr_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 253107.9/26

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

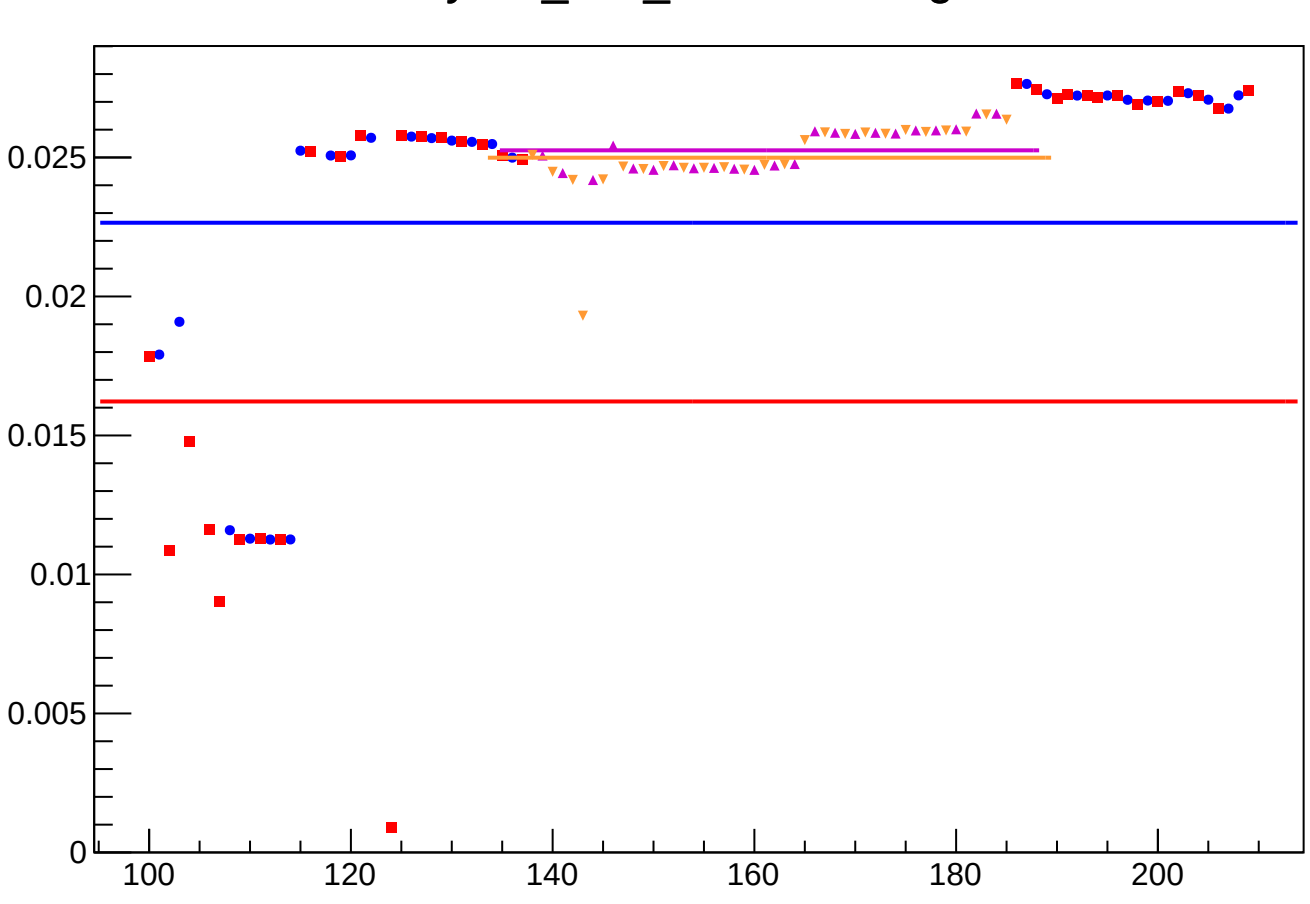
Right Out: 0.052+/-0.000 χ^2/NDF: 361385.7/30

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 343658.0/51

All: 0.053+/-0.000 χ^2/NDF: 826610.9/105

- sign 0.053+/-0.000 χ^2/NDF: 482925.5/53



Right In: 0.023+/-0.000 χ^2/NDF: 93022339313.9/26

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 444088773417.0/31

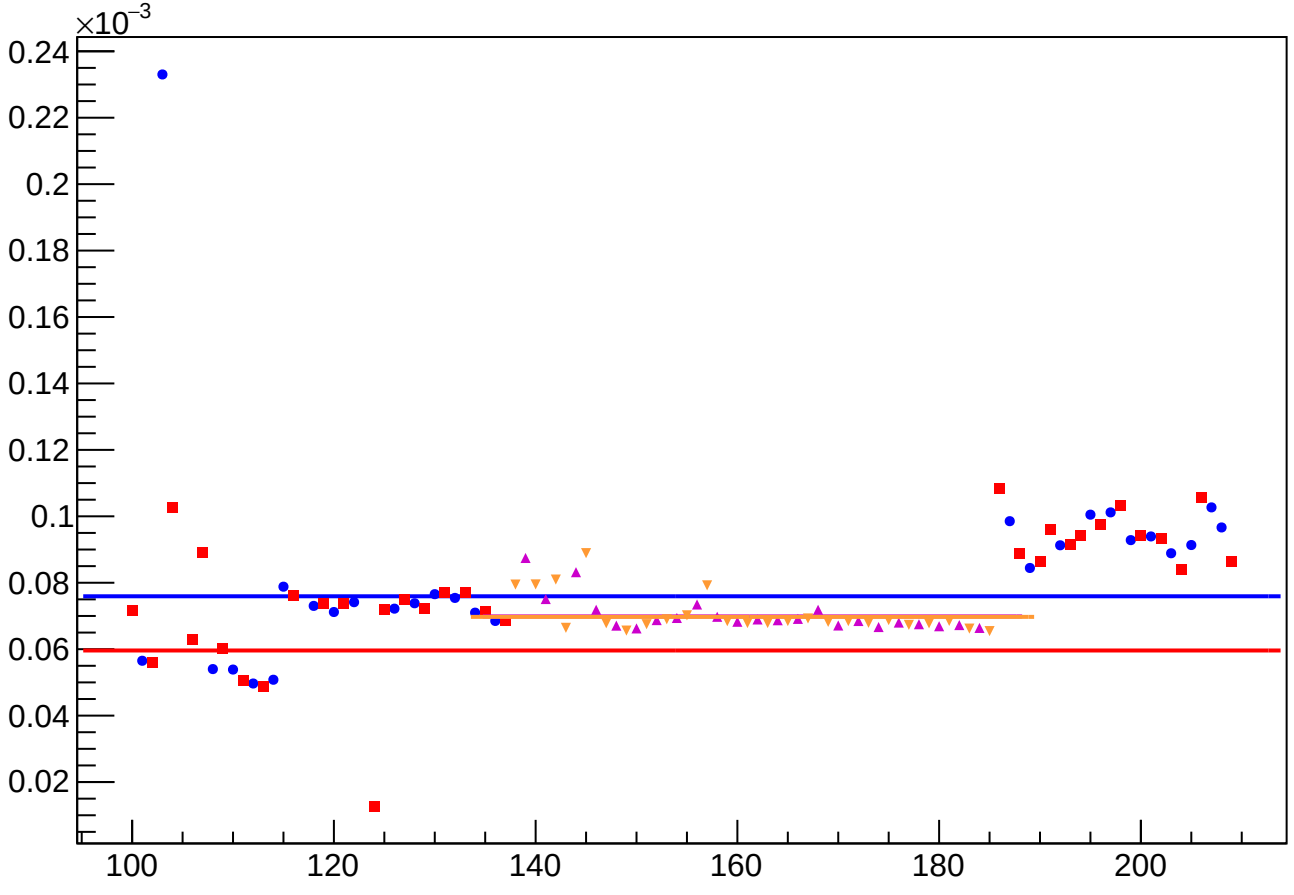
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 109237980313.4/51

All: 0.022+/-0.000 χ^2/NDF: 741246841452.7

- sign 0.021+/-0.000 χ^2/NDF: 594930415771.3/54

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1877803.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7466732.9/31

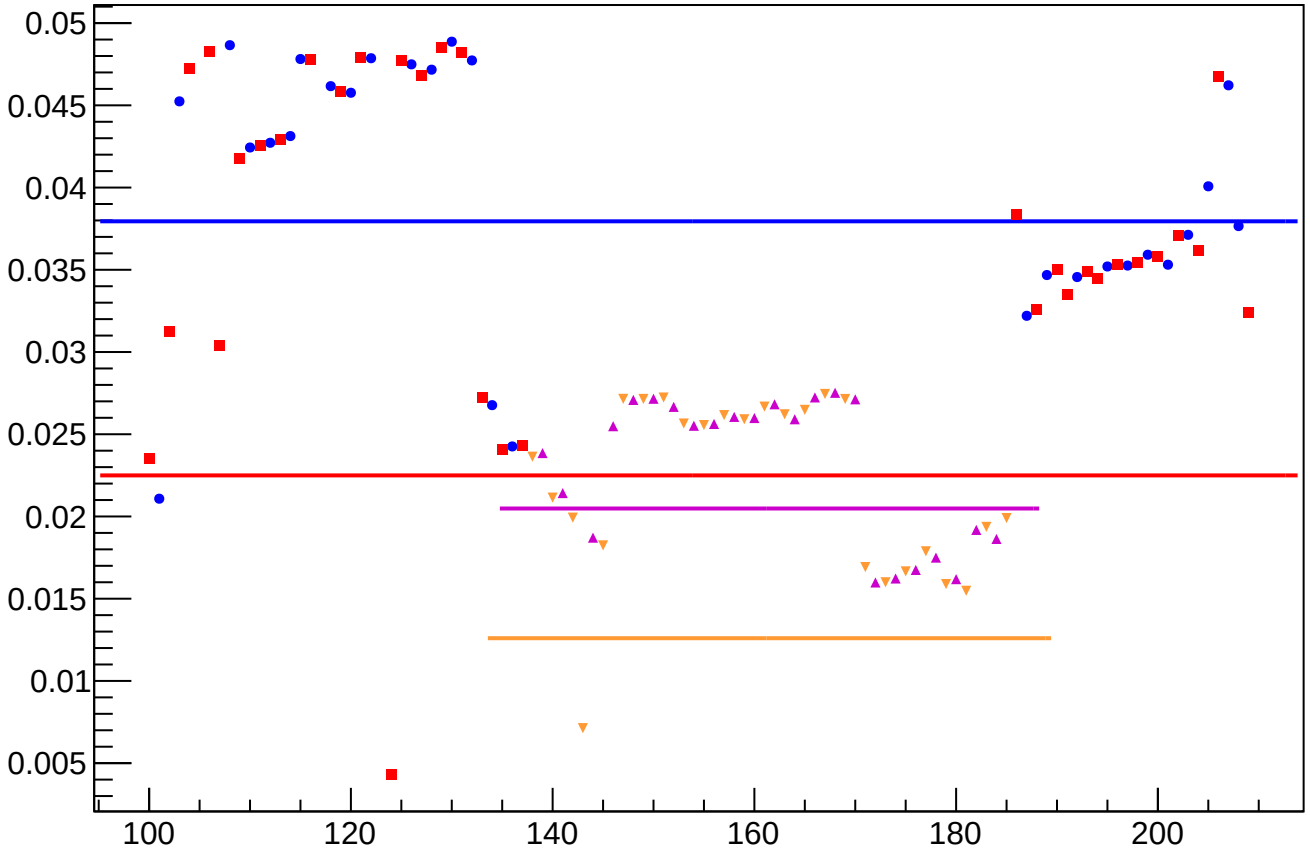
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2183060.4/51

All: 0.000+/-0.000 χ^2/NDF: 10556717.5/106

- sign 0.000+/-0.000 χ^2/NDF: 8003489.9/54

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7334413177.9/26

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 47044211855.4/31

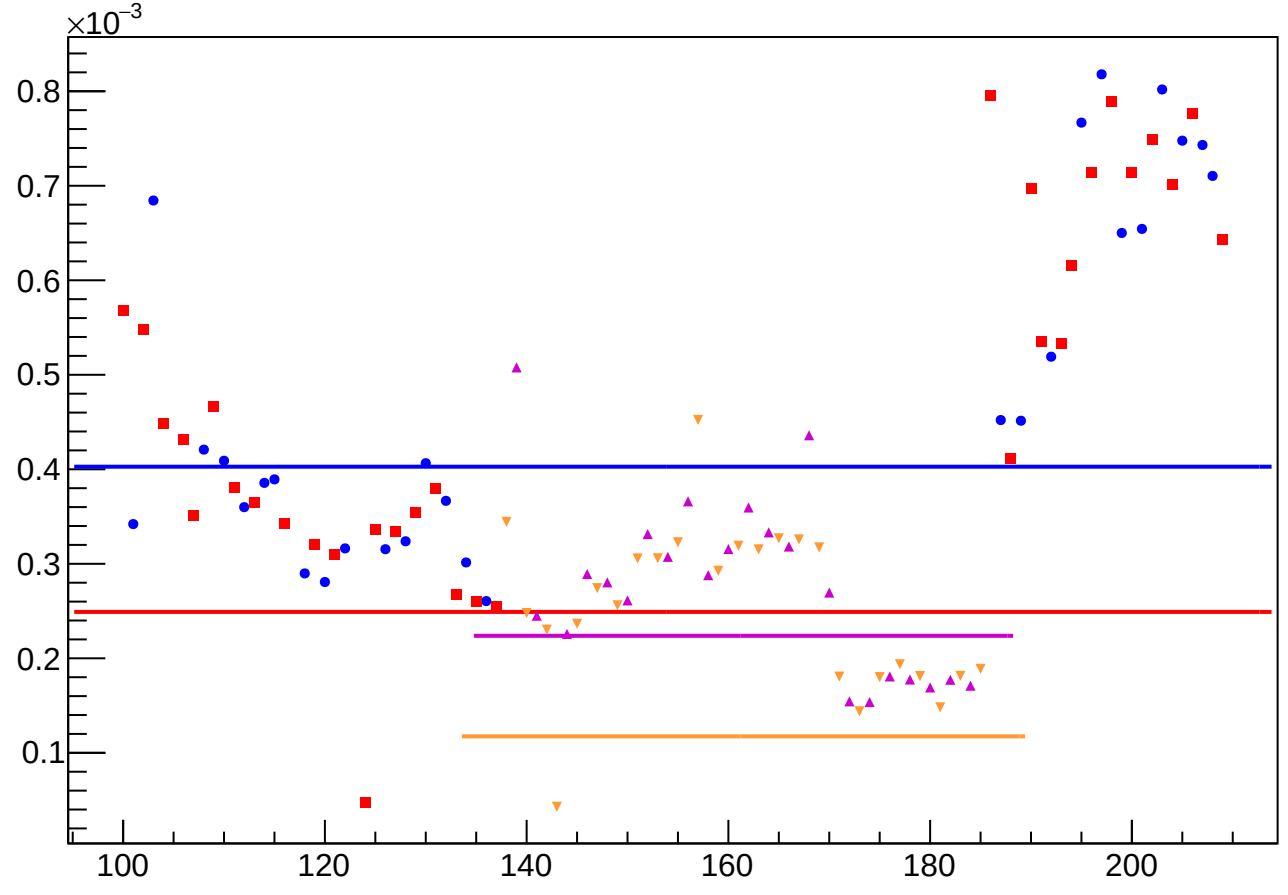
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 90140445230.8/51

All: 0.017+/-0.000 χ^2/NDF: 154717508992.4

- sign 0.021+/-0.000 χ^2/NDF: 53541804167.9/54

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4013953.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

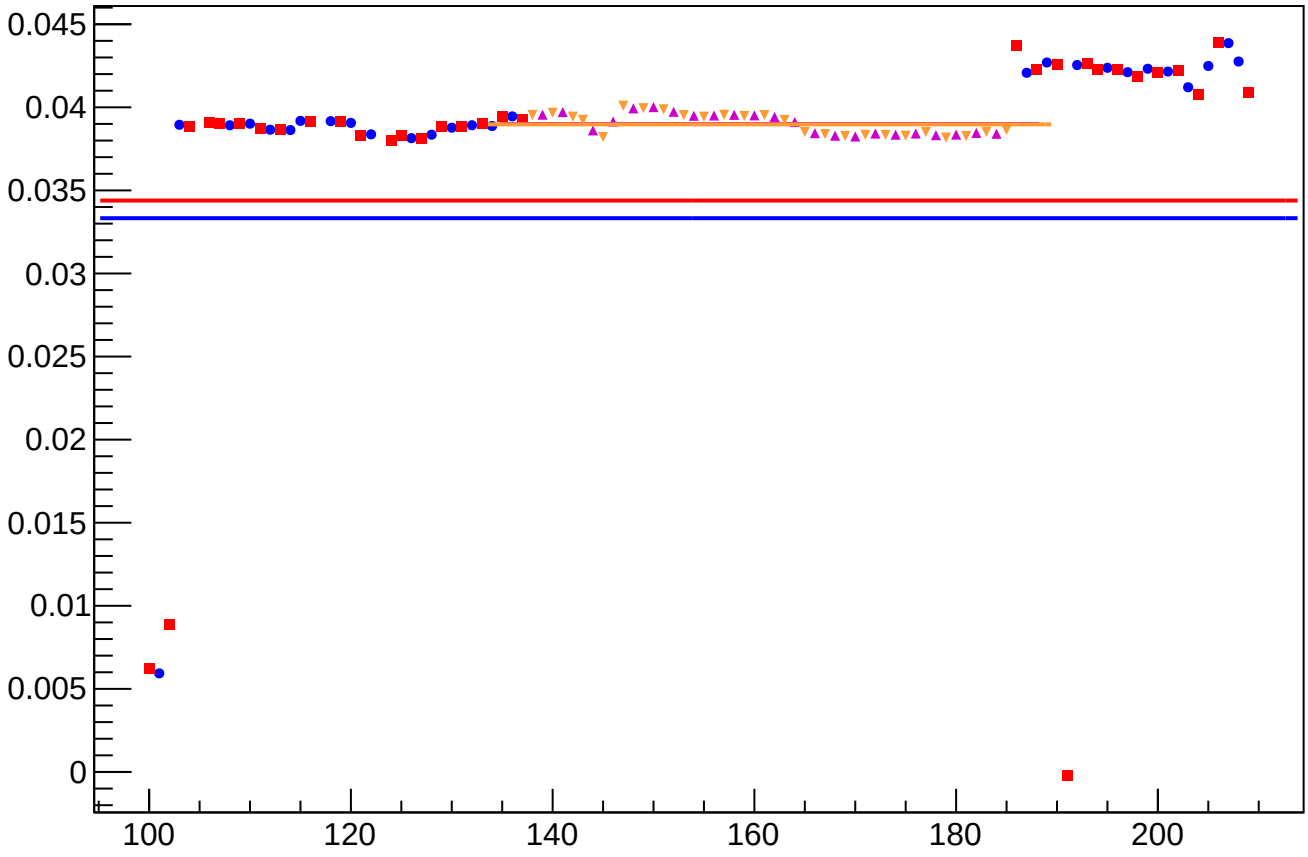
Right Out: 0.000+/-0.000 χ^2/NDF: 13941268.3/31

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 29923982.7/51

All: 0.000+/-0.000 χ^2/NDF: 51863336.2/106

- sign 0.000+/-0.000 χ^2/NDF: 17454794.2/54



Right In: 0.033+/-0.000 χ^2/NDF: 129827926625.3/26

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

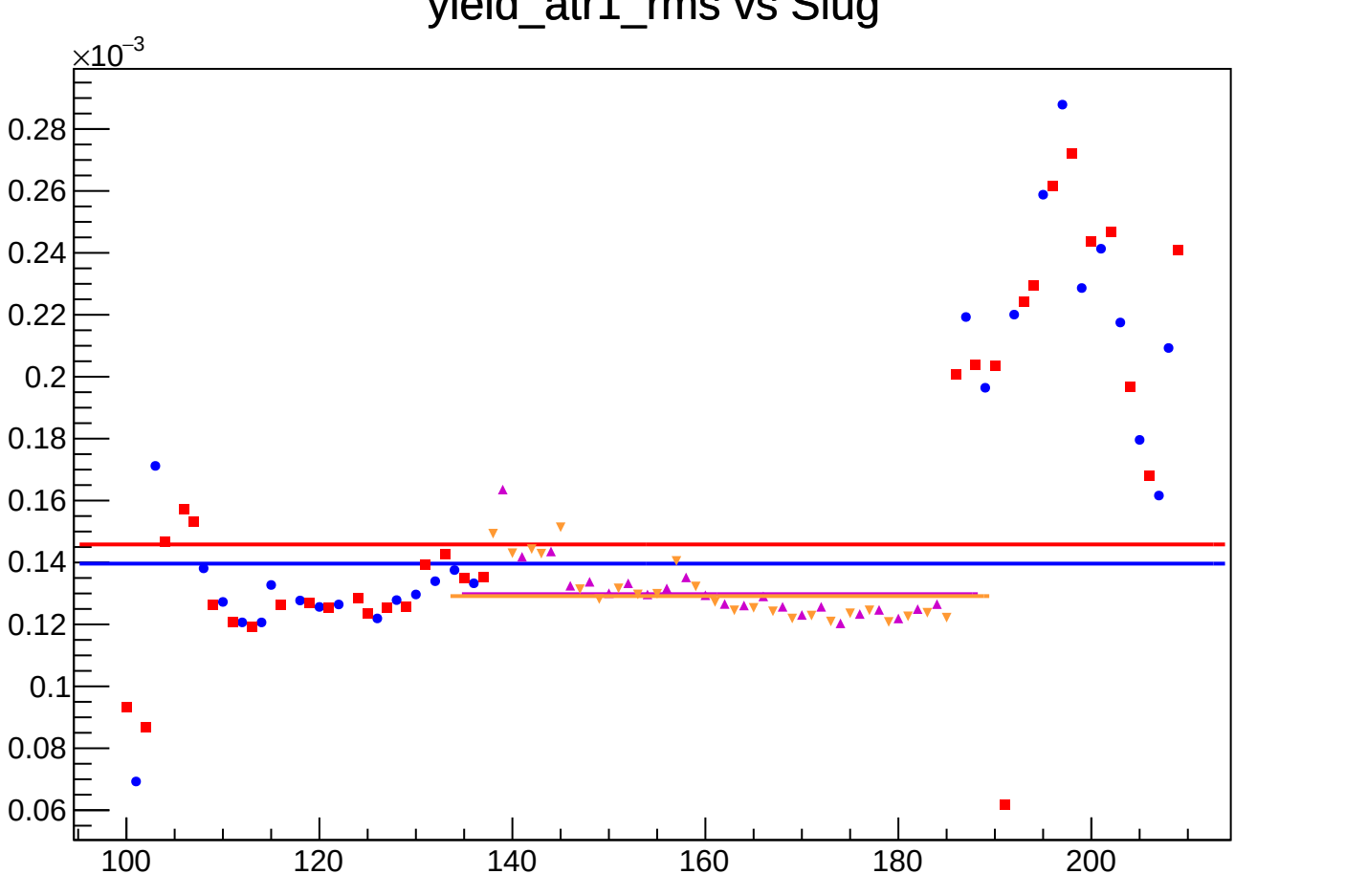
Right Out: 0.034+/-0.000 χ^2/NDF: 119468598091.1/31

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

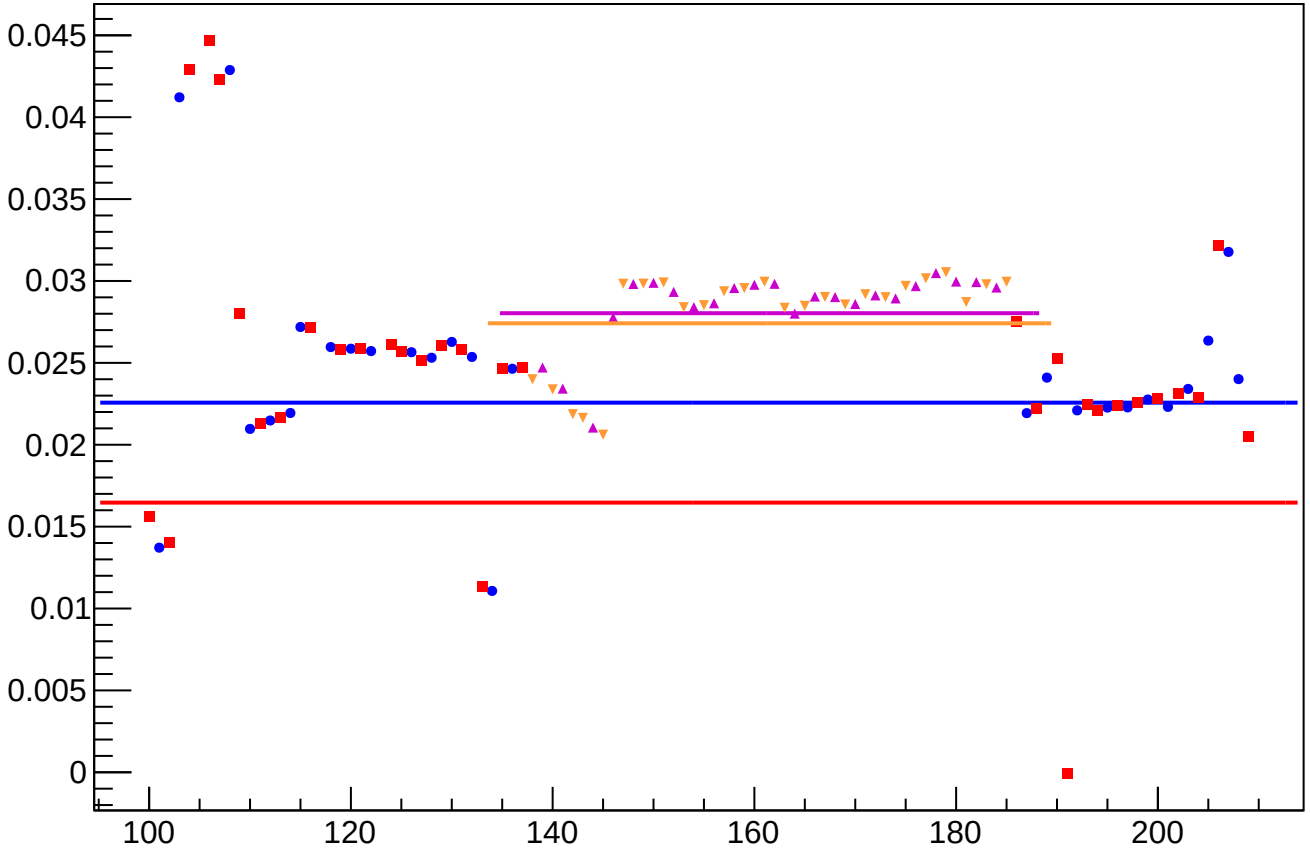
+ sign 0.037+/-0.000 χ^2/NDF: 143981264154.8/51

All: 0.037+/-0.000 χ^2/NDF: 272834810398.2

- sign 0.037+/-0.000 χ^2/NDF: 128744149167.4/54


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: 3700490.2/26
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3663193.4/31
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 3952491.4/51
All: 0.000+/-0.000 χ²/NDF: 7989014.9/106
- sign 0.000+/-0.000 χ²/NDF: 4020717.8/54

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5189715794.3/26

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

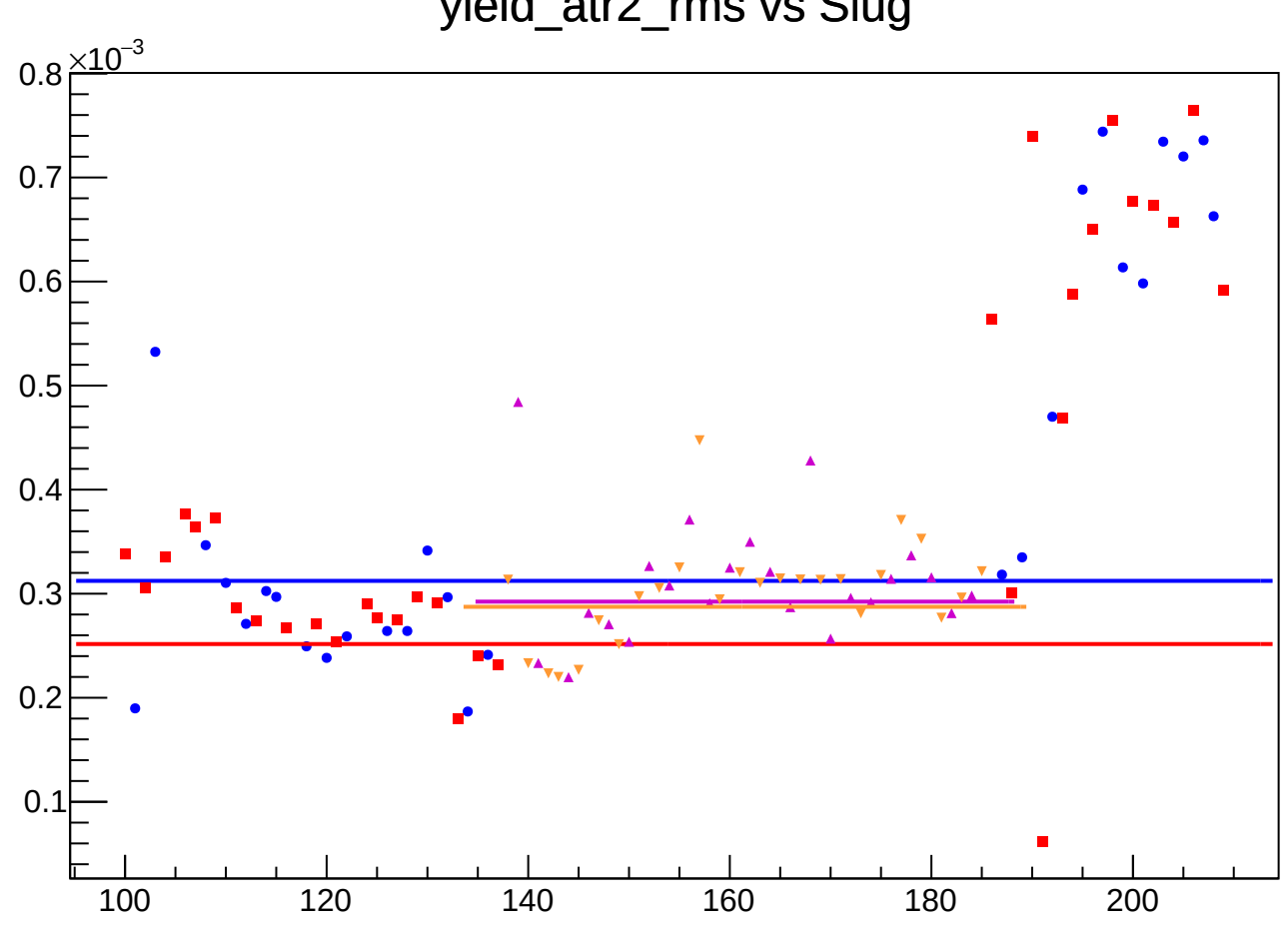
Right Out: 0.016+/-0.000 χ^2/NDF: 25682658738.8/31

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9230993145.0/51

All: 0.024+/-0.000 χ^2/NDF: 50035363812.6/1

- sign 0.023+/-0.000 χ^2/NDF: 39246663769.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 5455765.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

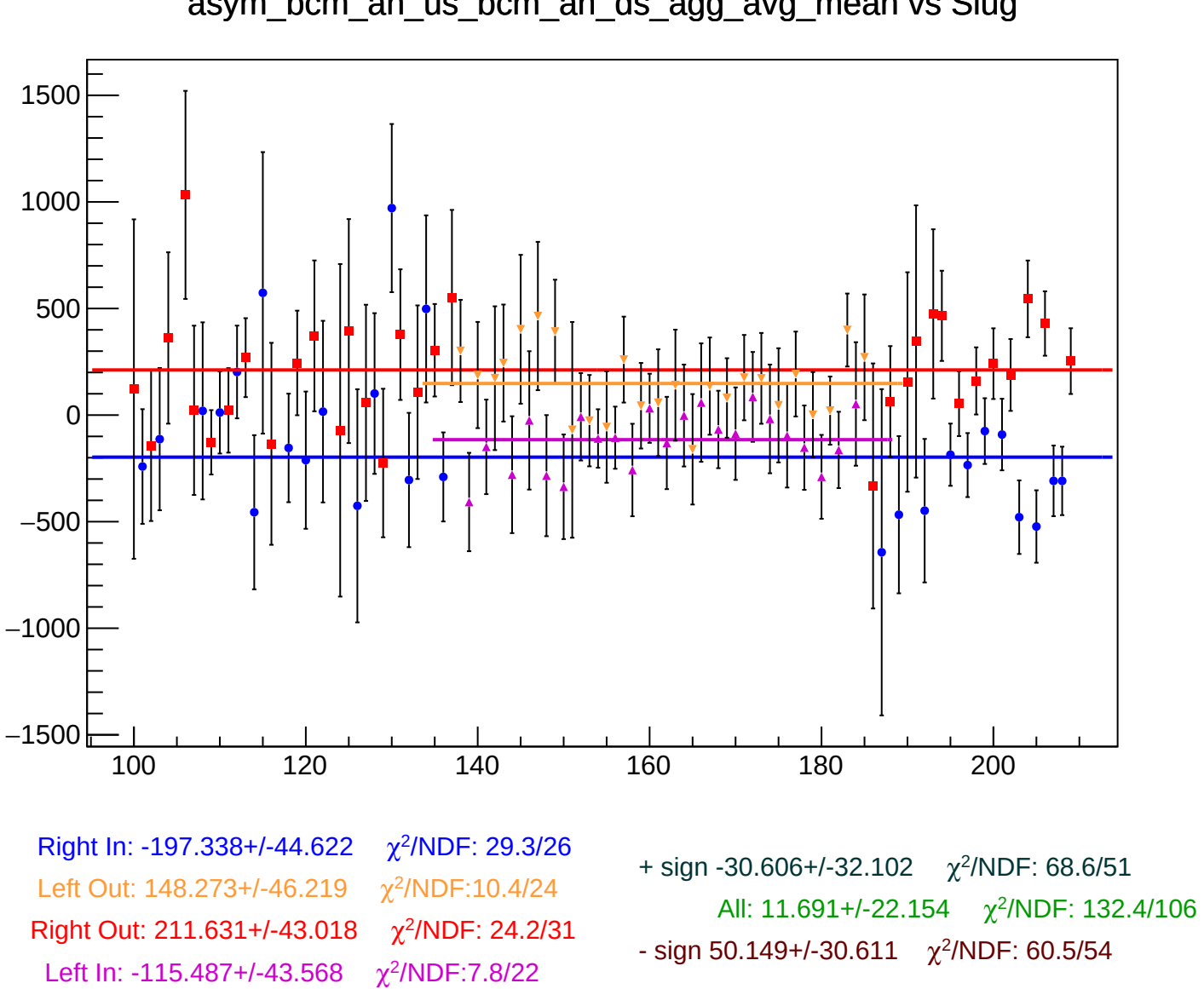
Right Out: 0.000+/-0.000 χ^2/NDF: 10245099.7/31

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

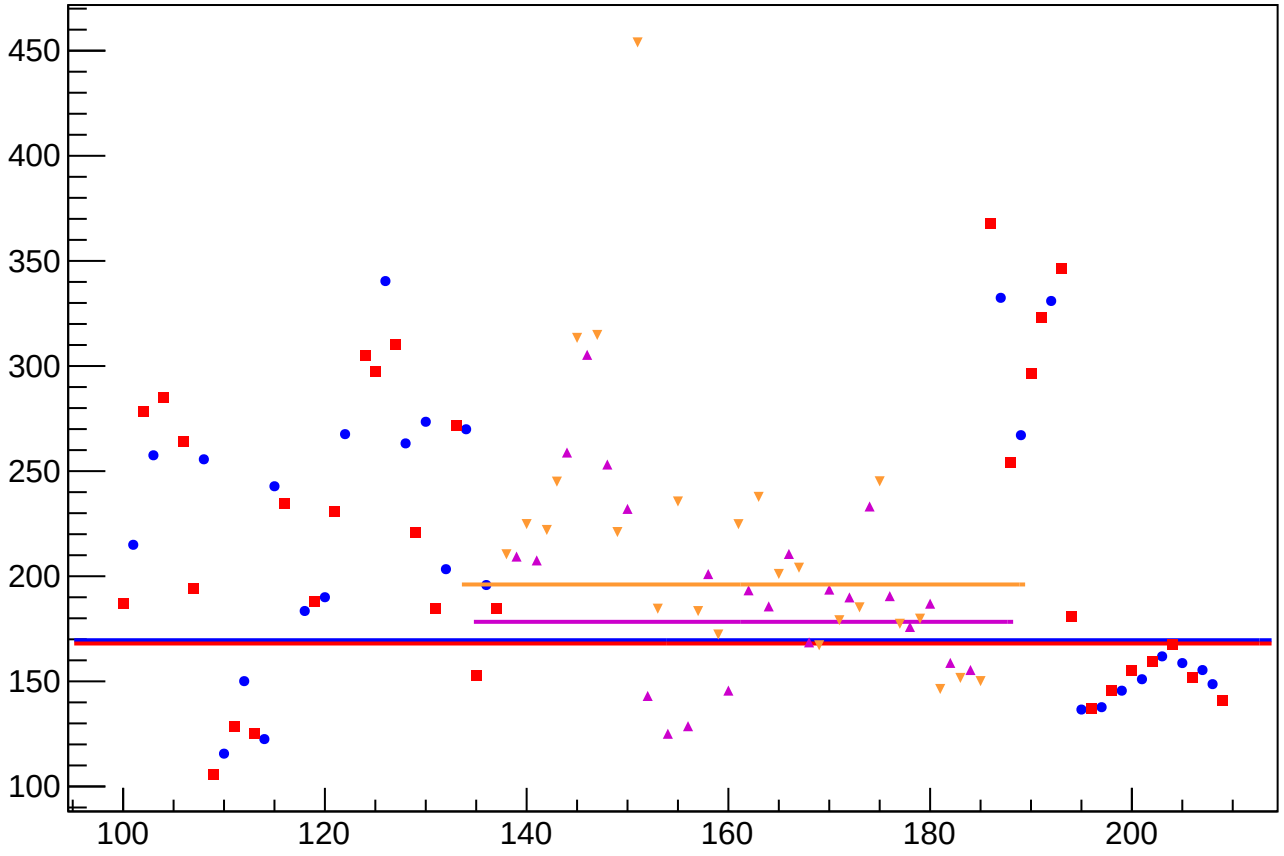
+ sign 0.000+/-0.000 χ^2/NDF: 6372814.5/51

All: 0.000+/-0.000 χ^2/NDF: 18075760.1/106

- sign 0.000+/-0.000 χ^2/NDF: 11515339.5/54


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -197.338+/-44.622 χ²/NDF: 29.3/26
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 211.631+/-43.018 χ²/NDF: 24.2/31
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign -30.606+/-32.102 χ²/NDF: 68.6/51
All: 11.691+/-22.154 χ²/NDF: 132.4/106
- sign 50.149+/-30.611 χ²/NDF: 60.5/54

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

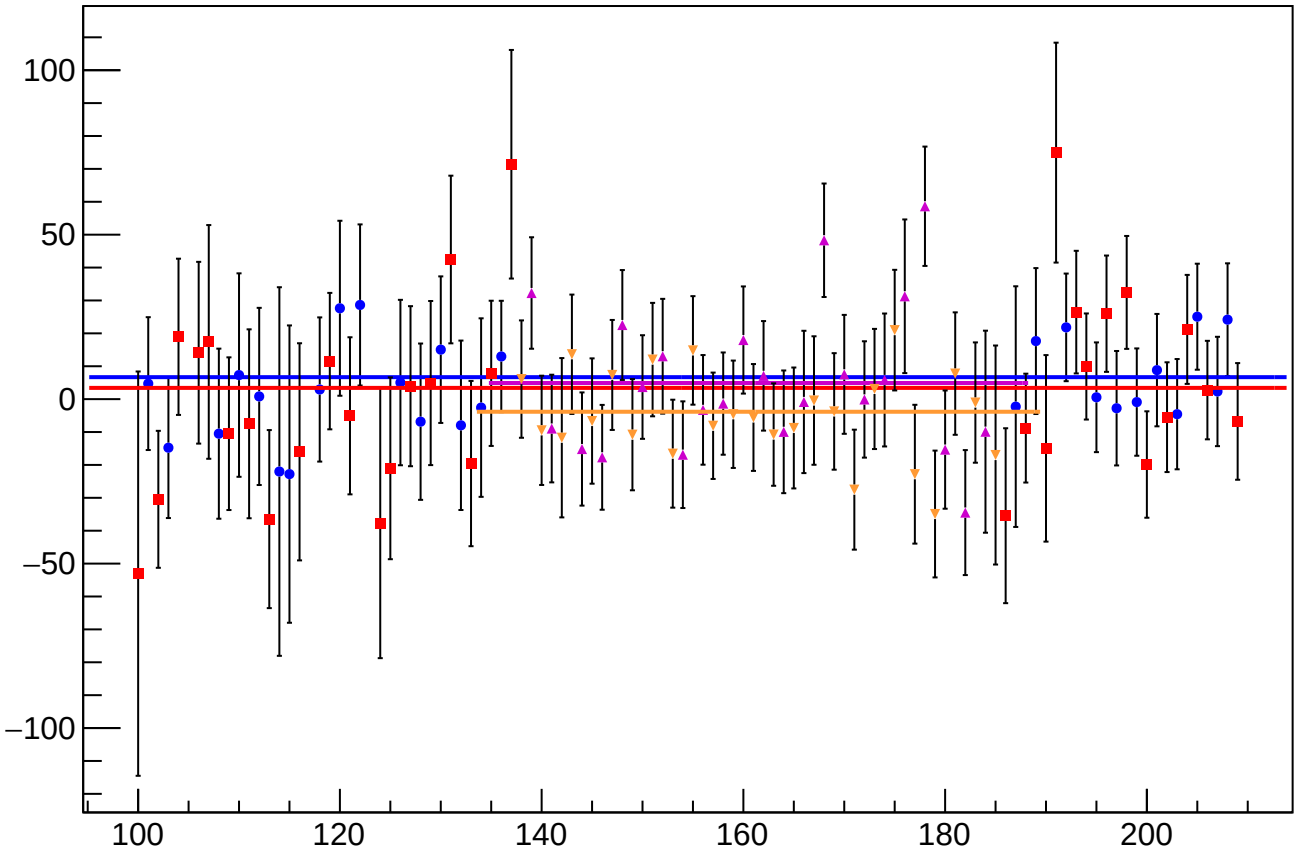
Right Out: 168.006+/-0.030 χ^2/NDF: 3001436.2/31

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 182.361+/-0.023 χ^2/NDF: 4424894.0/51

All: 177.509+/-0.016 χ^2/NDF: 9248641.1/106

- sign 173.097+/-0.022 χ^2/NDF: 4736500.7/54



Right In: 6.681+/-4.039 χ^2/NDF: 9.4/26

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

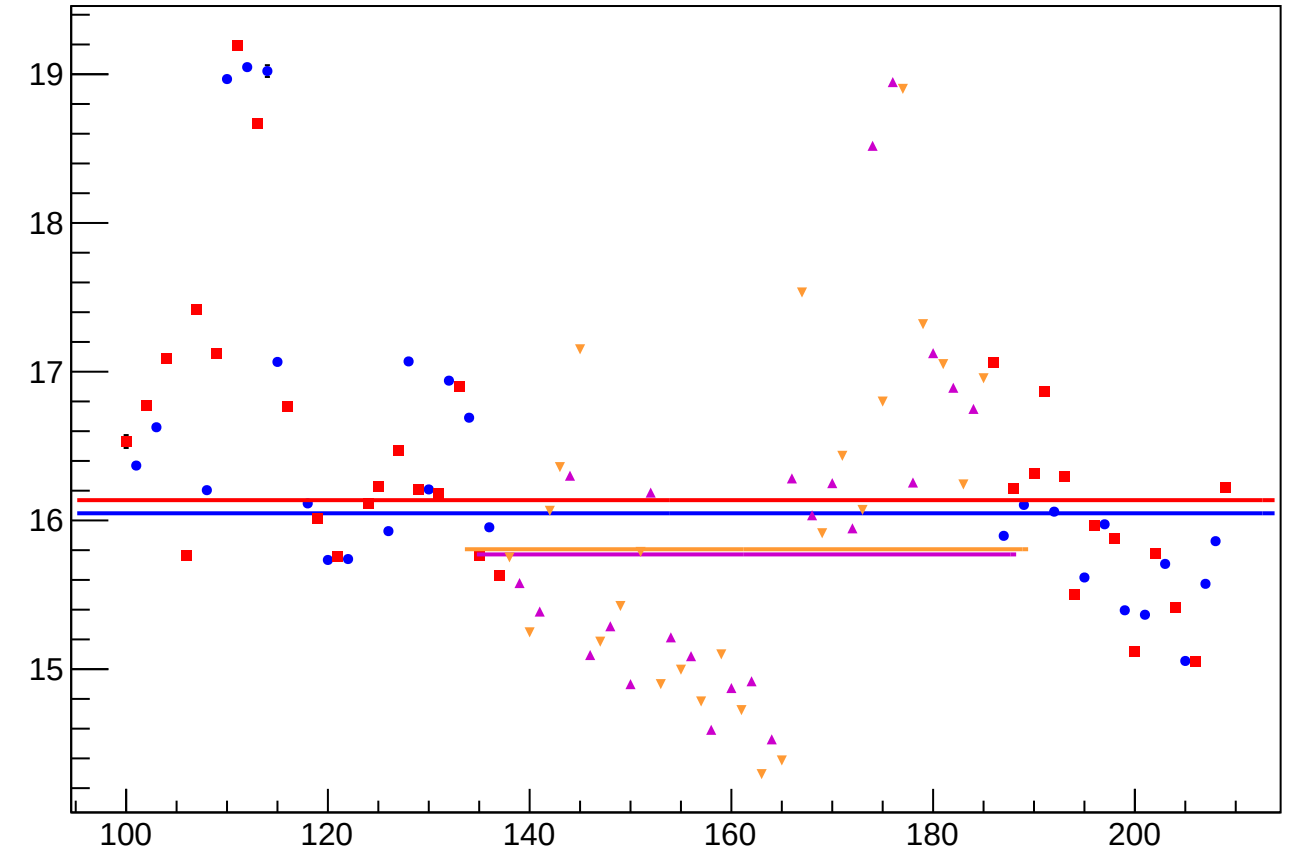
Right Out: 3.419+/-3.884 χ^2/NDF: 34.1/31

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

\+ sign 0.824+/-2.689 χ^2/NDF: 26.0/51

All: 2.518+/-1.897 χ^2/NDF: 94.8/106

\- sign 4.198+/-2.677 χ^2/NDF: 68.0/54



Right In: 16.048+/-0.003 χ^2/NDF: 77449.4/26

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

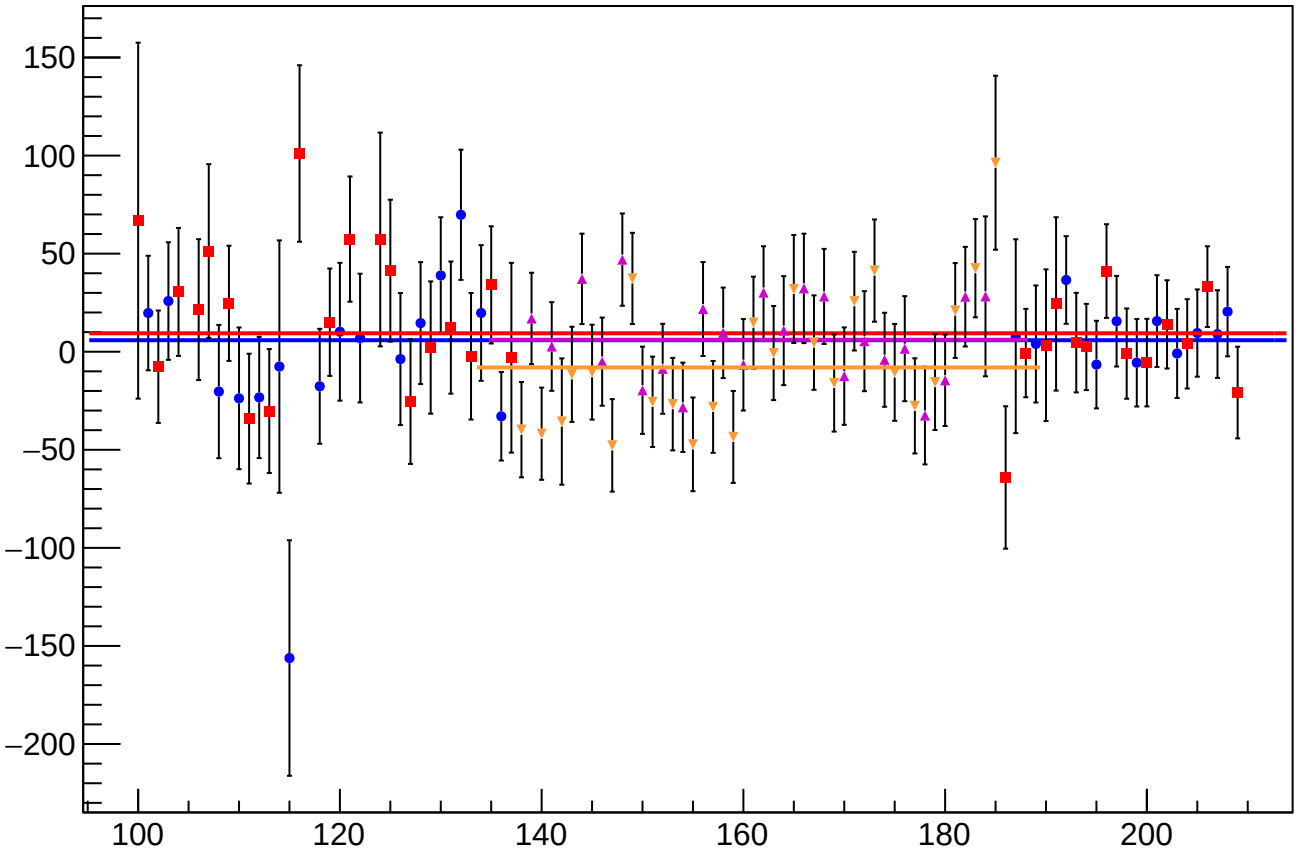
Right Out: 16.136+/-0.003 χ^2/NDF: 87024.6/31

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.913+/-0.002 χ^2/NDF: 254089.1/51

All: 15.929+/-0.001 χ^2/NDF: 502652.6/106

\- sign 15.945+/-0.002 χ^2/NDF: 248426.5/54



Right In: 5.867+/-5.401 χ^2/NDF: 22.4/26

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

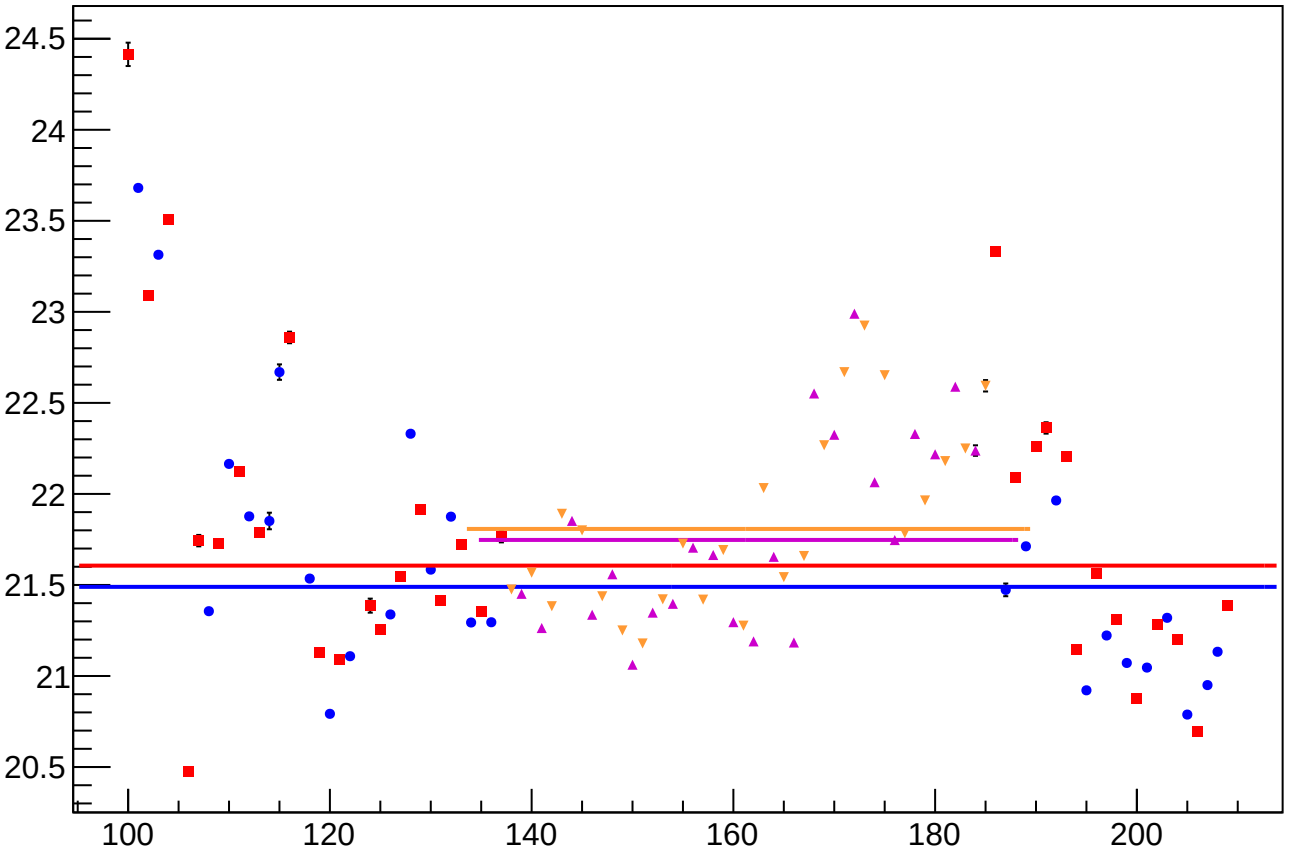
Right Out: 9.398+/-5.193 χ^2/NDF: 26.0/31

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -1.670+/-3.652 χ^2/NDF: 64.8/51

All: 3.044+/-2.575 χ^2/NDF: 112.2/106

\- sign 7.706+/-3.631 χ^2/NDF: 44.1/54



Right In: 21.490+/-0.004 χ^2/NDF: 31366.7/26

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

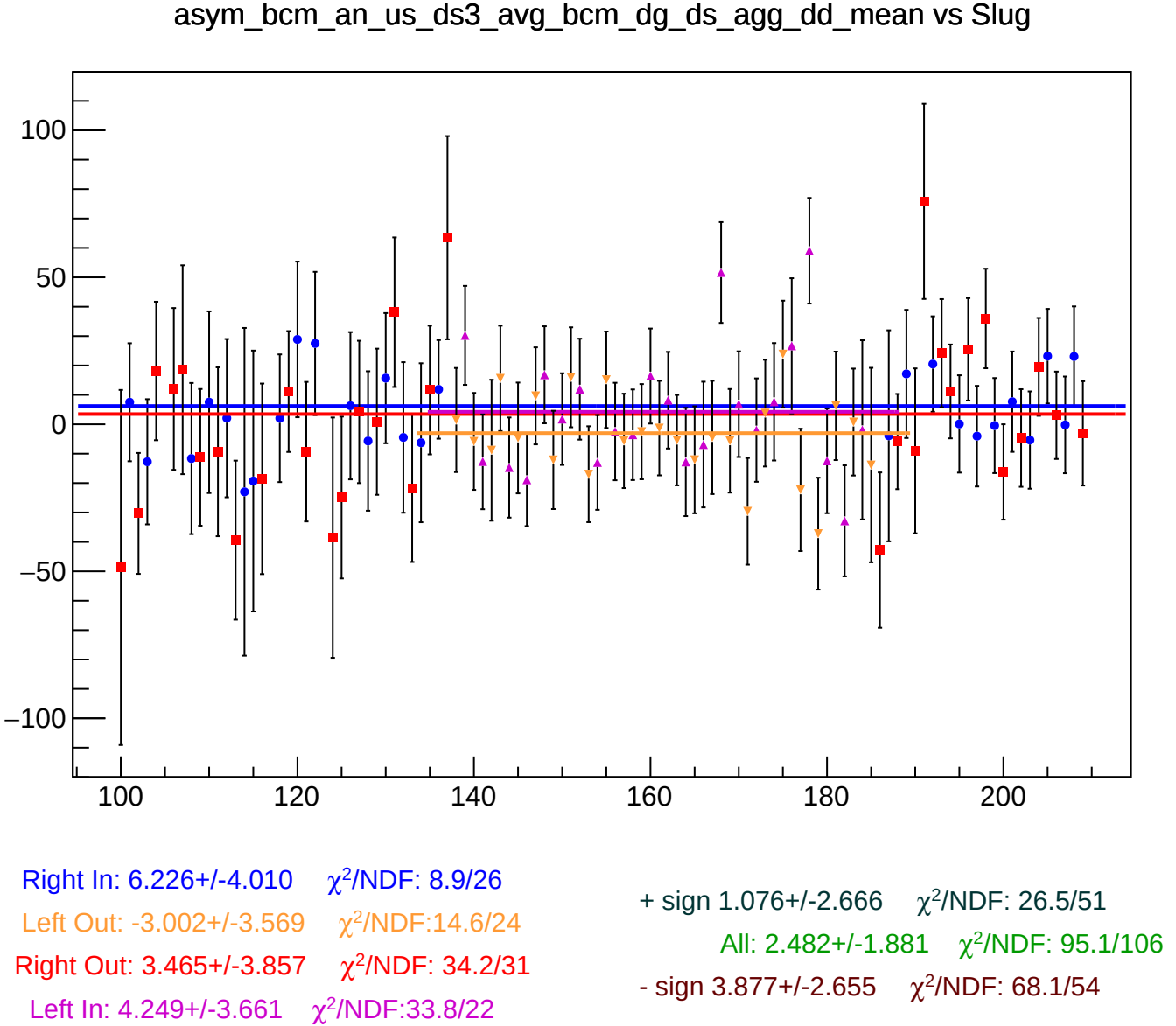
Right Out: 21.606+/-0.004 χ^2/NDF: 36216.2/31

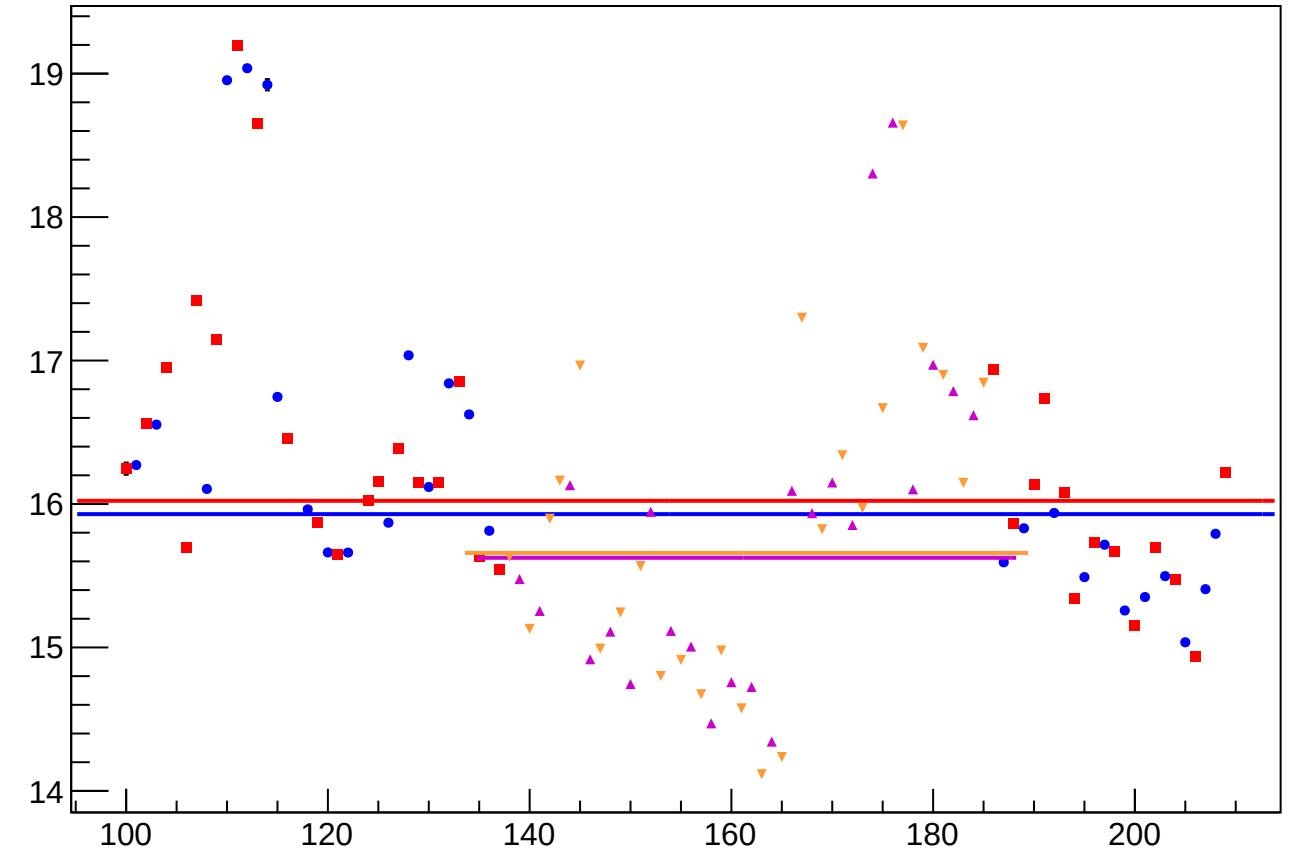
Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.662+/-0.003 χ^2/NDF: 52696.0/51

All: 21.670+/-0.002 χ^2/NDF: 110247.0/106

- sign 21.678+/-0.003 χ^2/NDF: 57531.6/54


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 6.226+/-4.010 χ²/NDF: 8.9/26
Left Out: -3.002+/-3.569 χ²/NDF:14.6/24
Right Out: 3.465+/-3.857 χ²/NDF: 34.2/31
Left In: 4.249+/-3.661 χ²/NDF:33.8/22
+ sign 1.076+/-2.666 χ²/NDF: 26.5/51
All: 2.482+/-1.881 χ²/NDF: 95.1/106
- sign 3.877+/-2.655 χ²/NDF: 68.1/54



Right In: 15.929+/-0.003 χ^2/NDF: 80946.4/26

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

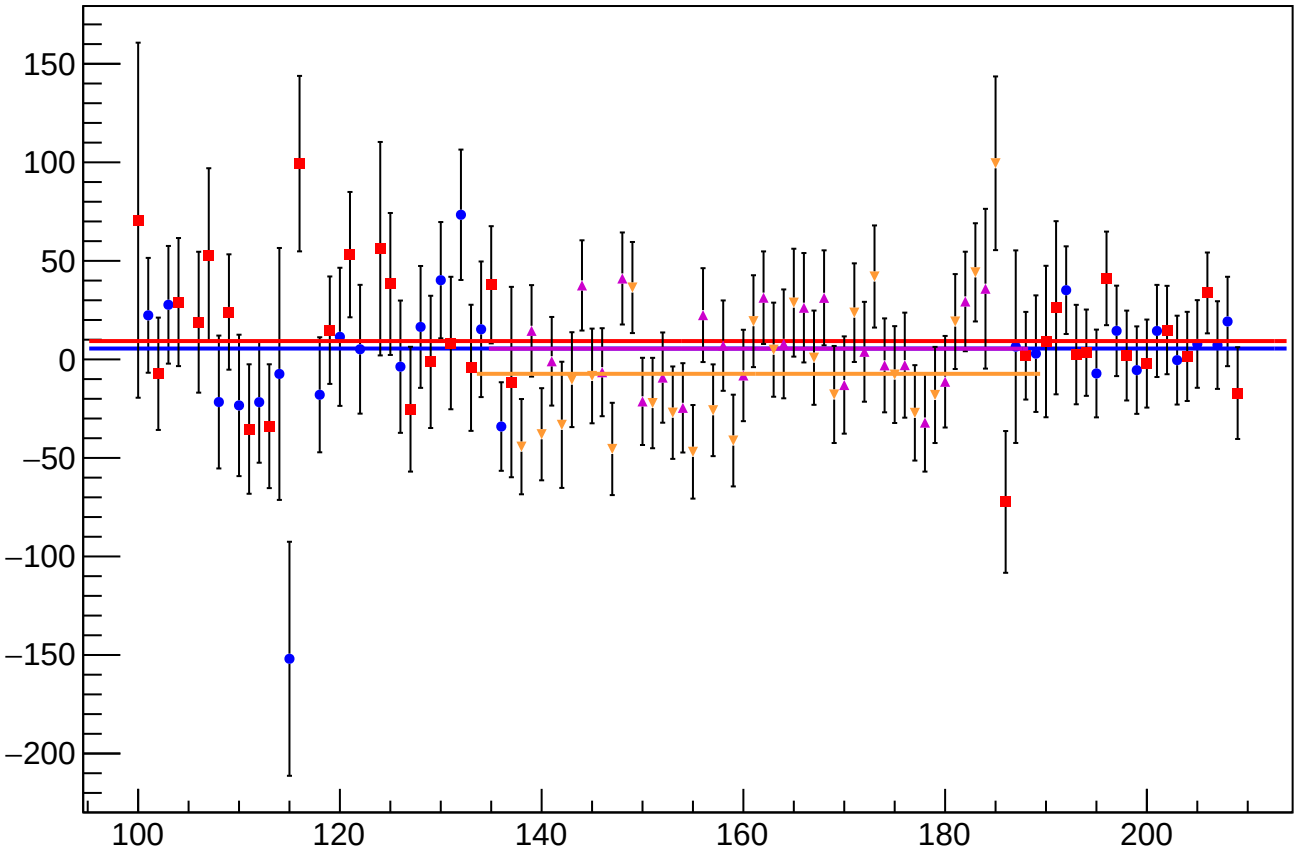
Right Out: 16.022+/-0.003 χ^2/NDF: 88890.8/31

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.778+/-0.002 χ^2/NDF: 255860.3/51

All: 15.796+/-0.001 χ^2/NDF: 506518.0/106

\- sign 15.813+/-0.002 χ^2/NDF: 250486.0/54



Right In: 5.514+/-5.376 χ^2/NDF: 22.8/26

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

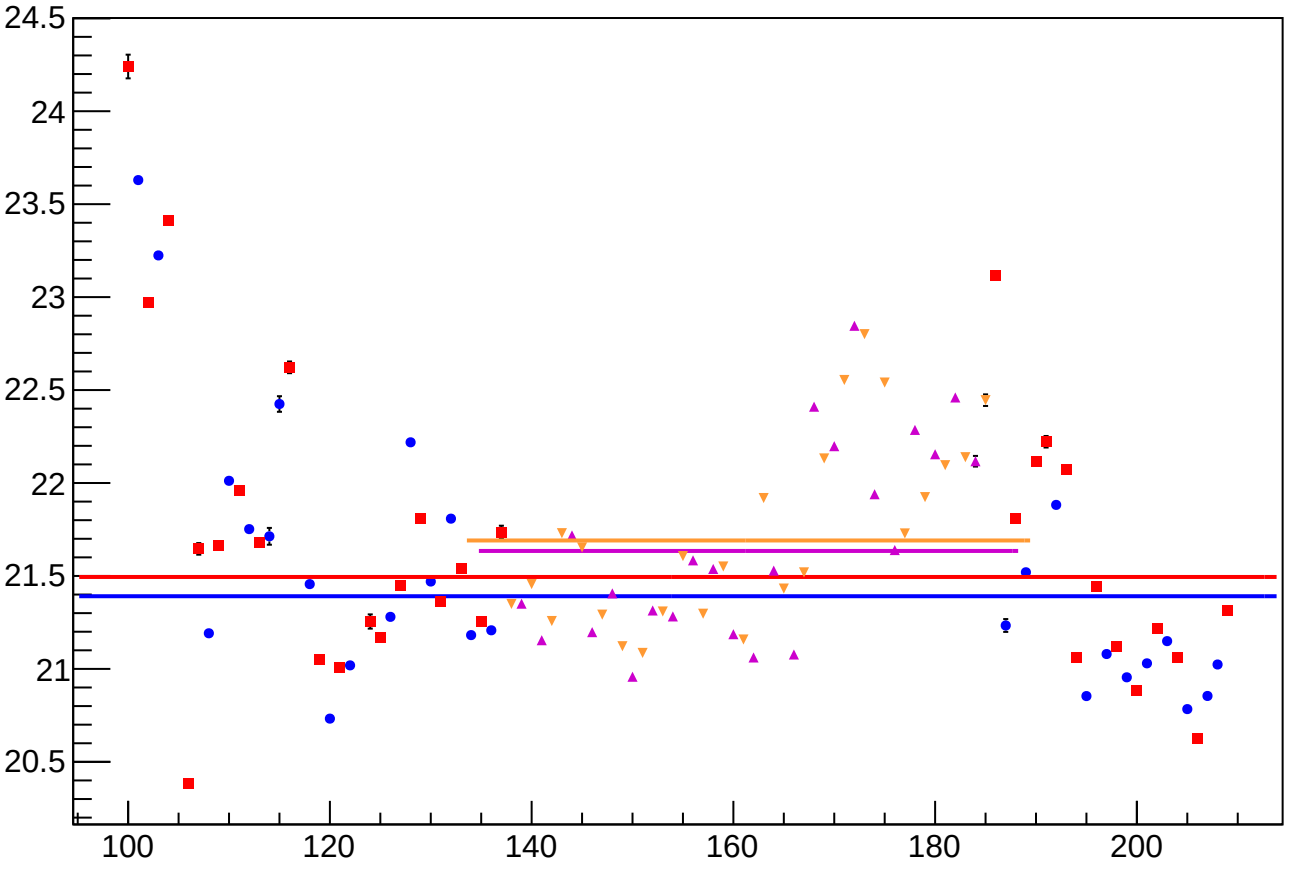
Right Out: 9.298+/-5.166 χ^2/NDF: 26.8/31

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -1.458+/-3.633 χ^2/NDF: 64.5/51

All: 2.958+/-2.562 χ^2/NDF: 111.8/106

- sign 7.324+/-3.613 χ^2/NDF: 44.4/54



Right In: 21.391+/-0.004 χ^2/NDF: 31137.8/26

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.495+/-0.004 χ^2/NDF: 33703.0/31

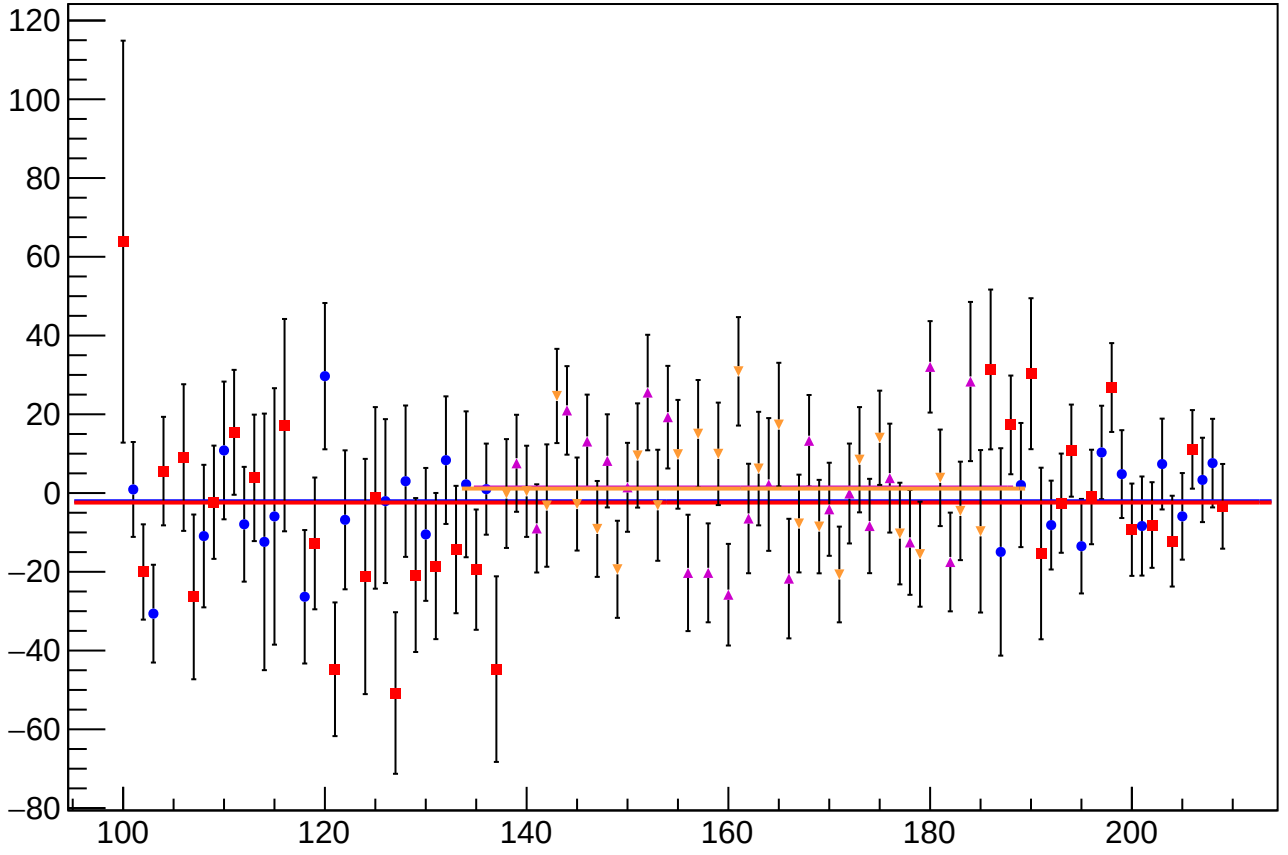
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.554+/-0.003 χ^2/NDF: 52454.3/51

All: 21.560+/-0.002 χ^2/NDF: 107480.1/106

\- sign 21.566+/-0.003 χ^2/NDF: 55014.5/54

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

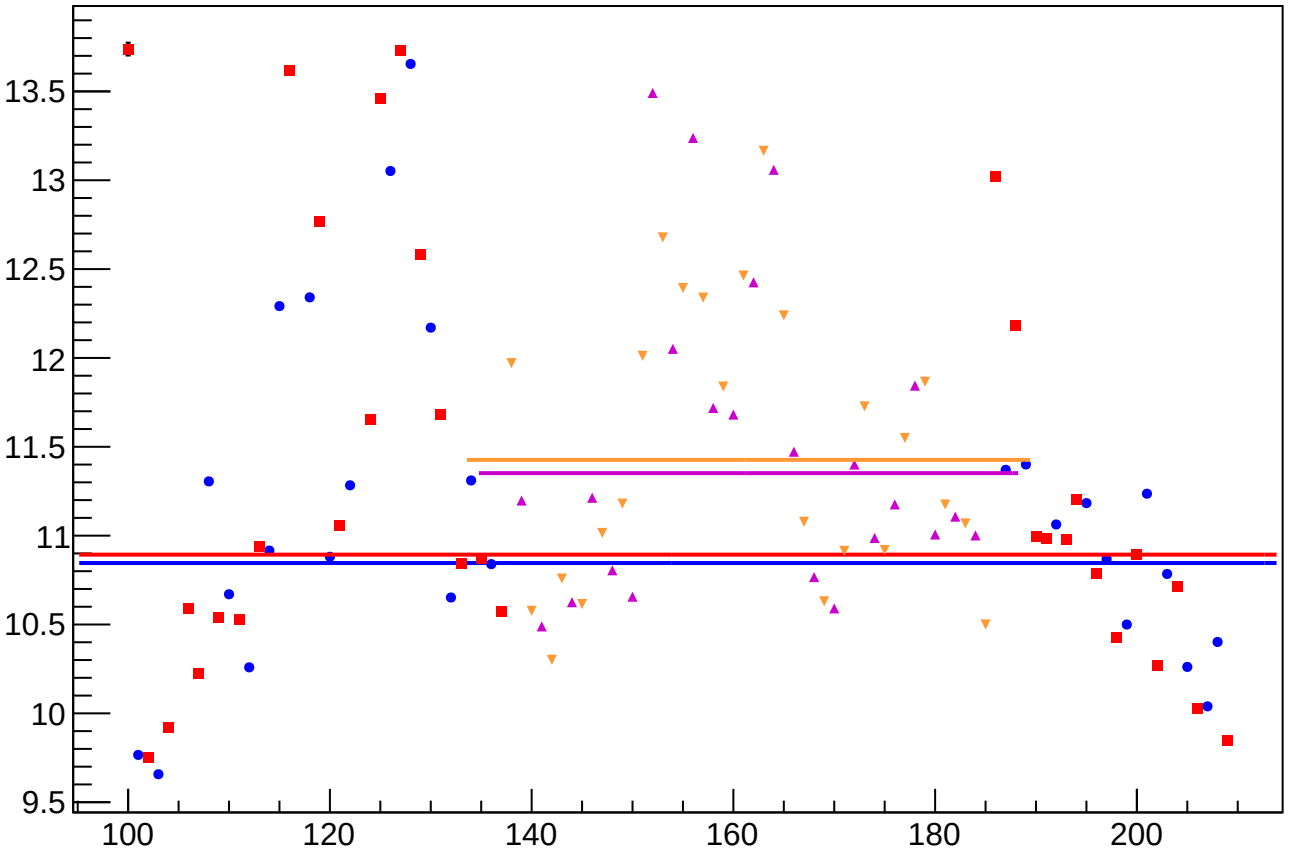
Right Out: -2.415+/-2.639 χ^2/NDF: 46.7/31

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.398+/-1.895 χ^2/NDF: 42.6/51

All: -0.464+/-1.334 χ^2/NDF: 126.6/106

- sign -0.529+/-1.878 χ^2/NDF: 84.0/54



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

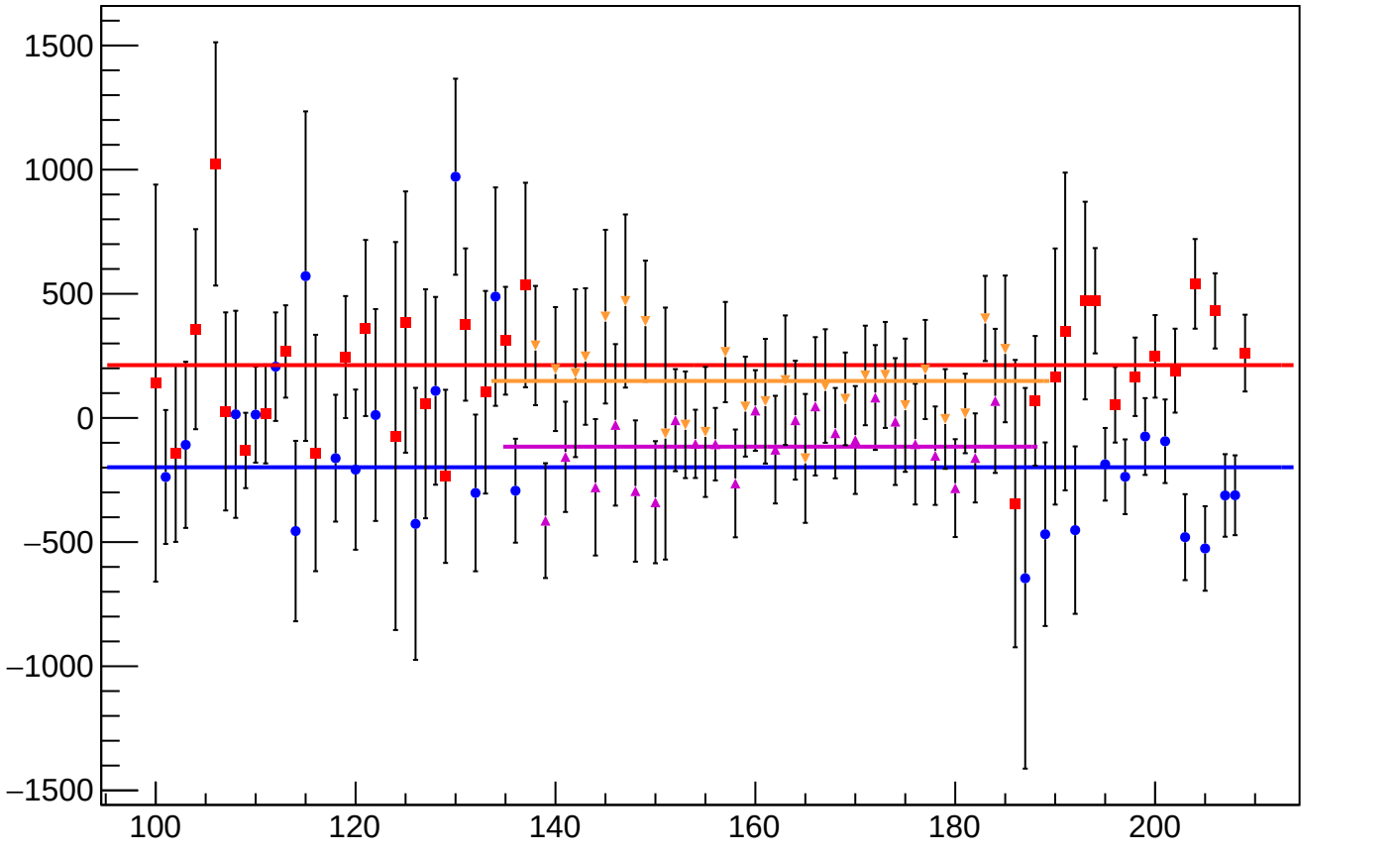
Right Out: 10.893+/-0.002 χ^2/NDF: 257314.3/31

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.150+/-0.001 χ^2/NDF: 372282.1/51

All: 11.134+/-0.001 χ^2/NDF: 830212.8/106

- sign 11.119+/-0.001 χ^2/NDF: 457672.4/54



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 212.677+/-43.136 χ^2/NDF: 24.1/31

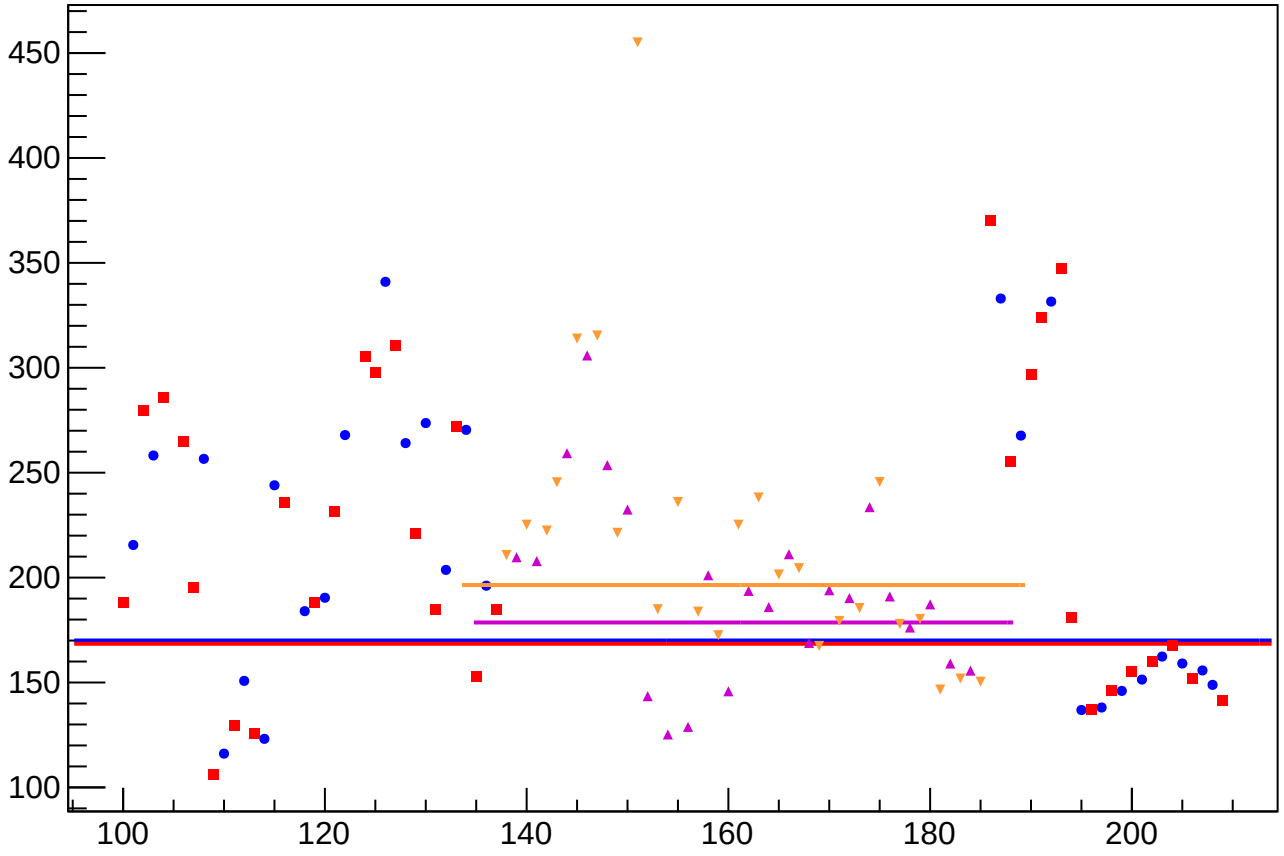
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -30.854+/-32.175 χ^2/NDF: 68.9/51

All: 11.704+/-22.203 χ^2/NDF: 132.8/106

- sign 50.396+/-30.679 χ^2/NDF: 60.6/54

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.471+/-0.031 χ^2/NDF: 2998775.4/31

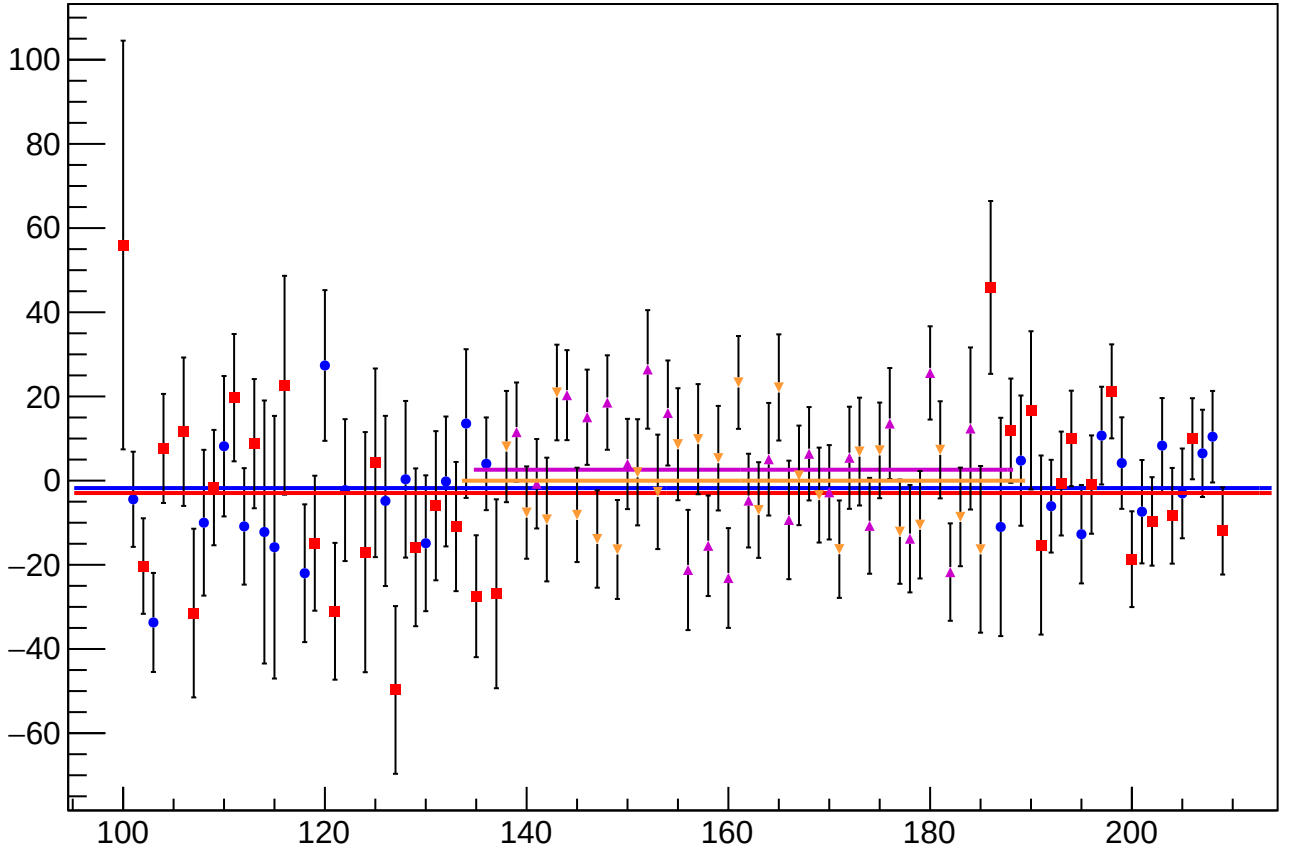
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.781+/-0.023 χ^2/NDF: 4416997.1/51

All: 177.911+/-0.016 χ^2/NDF: 9236746.8/106

- sign 173.484+/-0.022 χ^2/NDF: 4732277.6/54

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.946+/-2.549 χ^2/NDF: 44.8/31

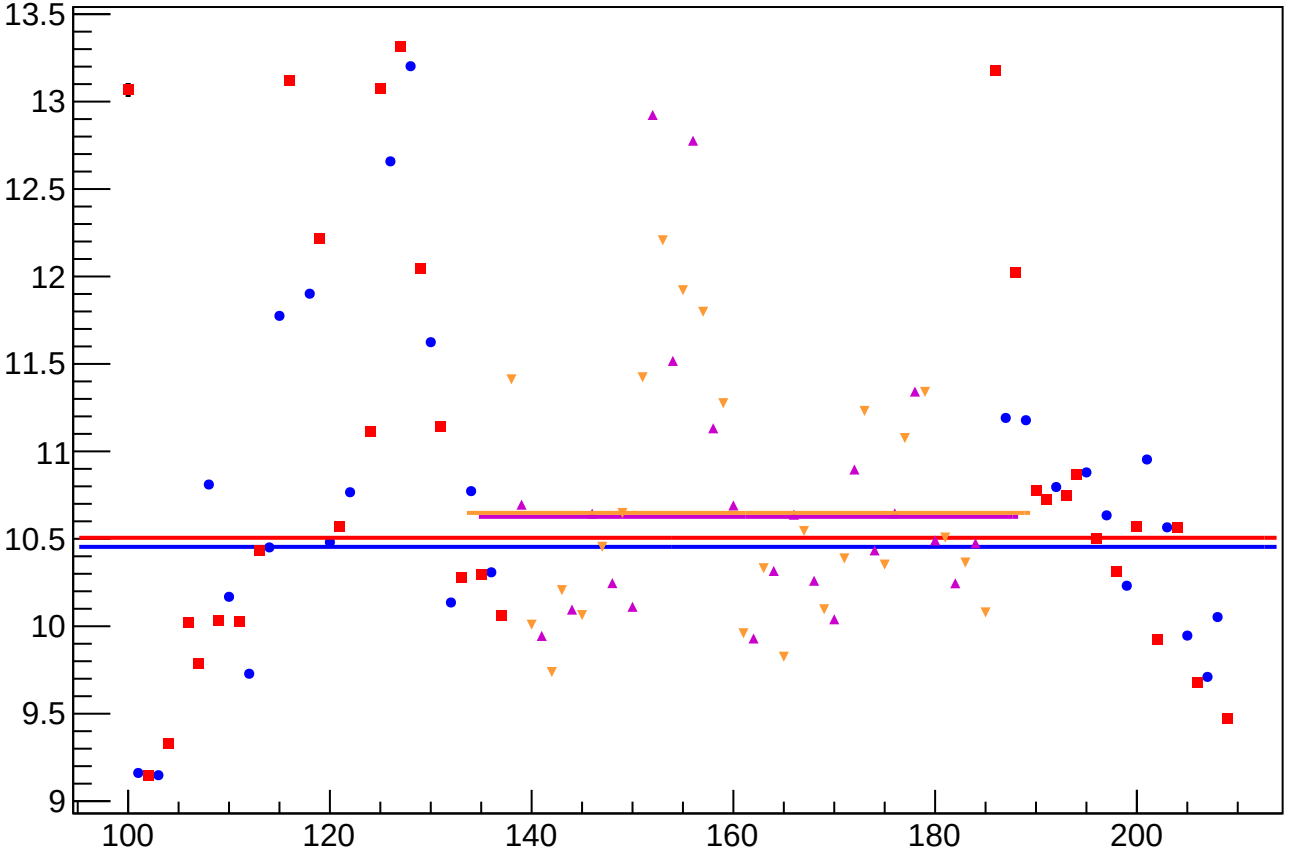
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

\+ sign -0.822+/-1.796 χ^2/NDF: 44.3/51

All: -0.475+/-1.267 χ^2/NDF: 126.4/106

\- sign -0.131+/-1.787 χ^2/NDF: 82.0/54

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.506+/-0.002 χ^2/NDF: 295815.4/31

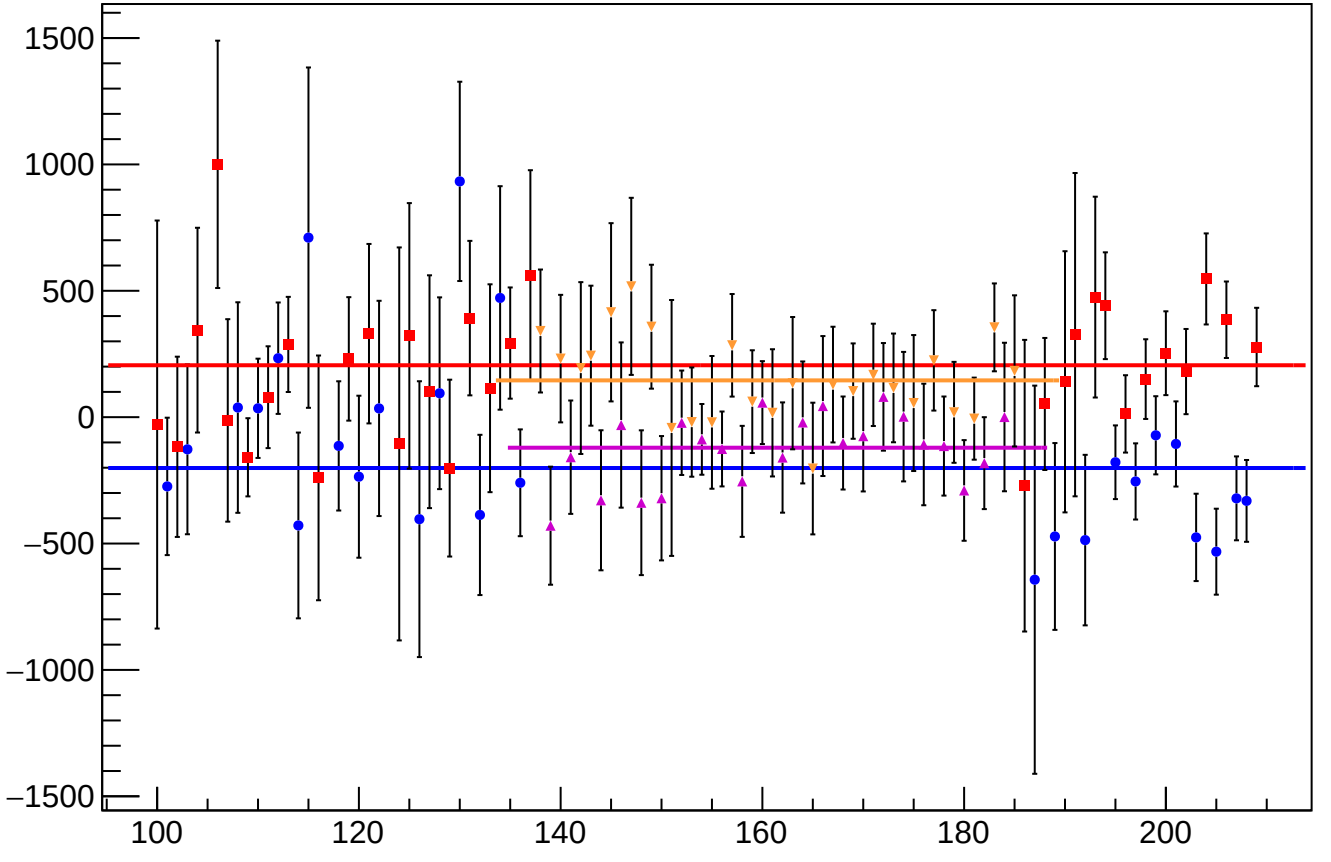
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.559+/-0.001 χ^2/NDF: 339698.2/51

All: 10.563+/-0.001 χ^2/NDF: 797322.8/106

- sign 10.567+/-0.001 χ^2/NDF: 457605.0/54

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

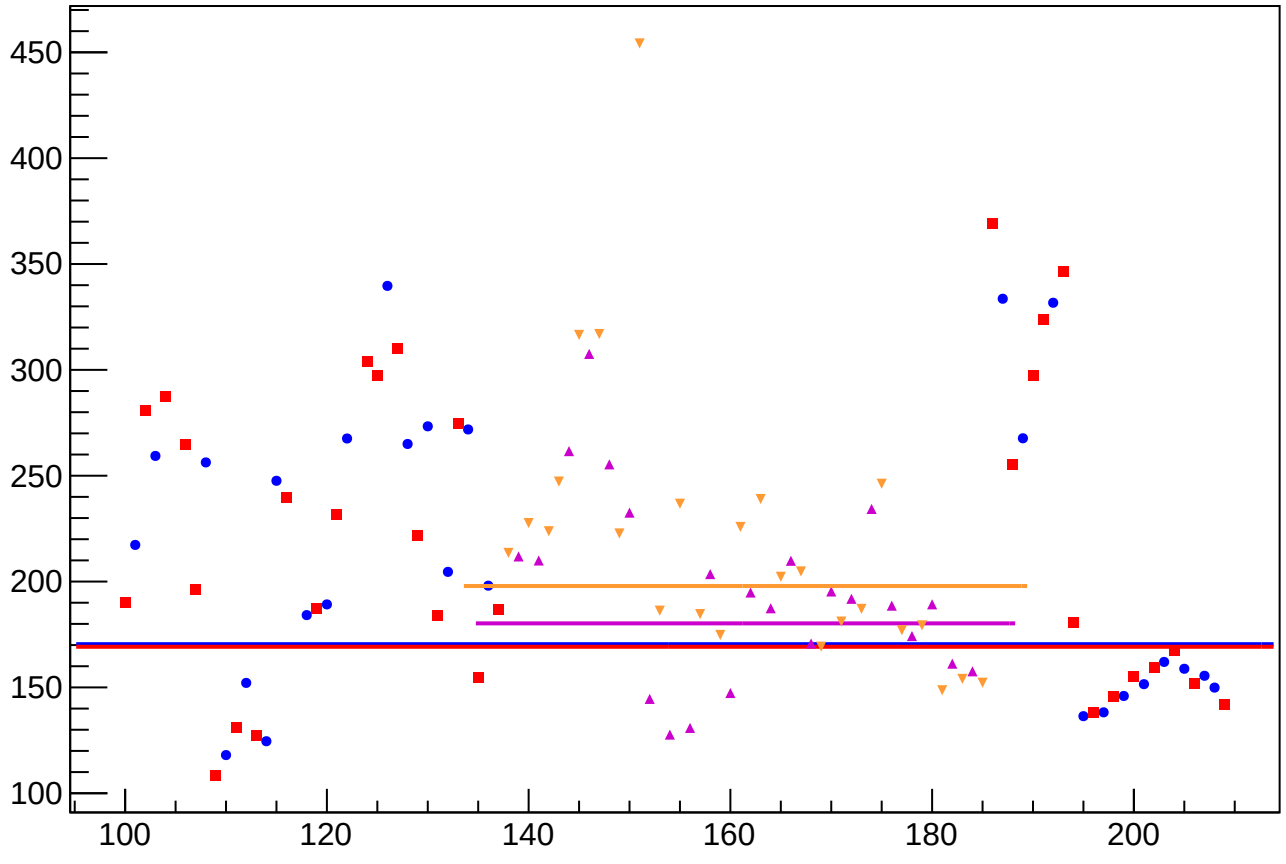
Right Out: 205.408+/-43.279 χ^2/NDF: 23.8/31

Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -34.548+/-32.313 χ^2/NDF: 69.4/51

All: 7.030+/-22.315 χ^2/NDF: 132.6/106

- sign 44.935+/-30.853 χ^2/NDF: 60.0/54



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

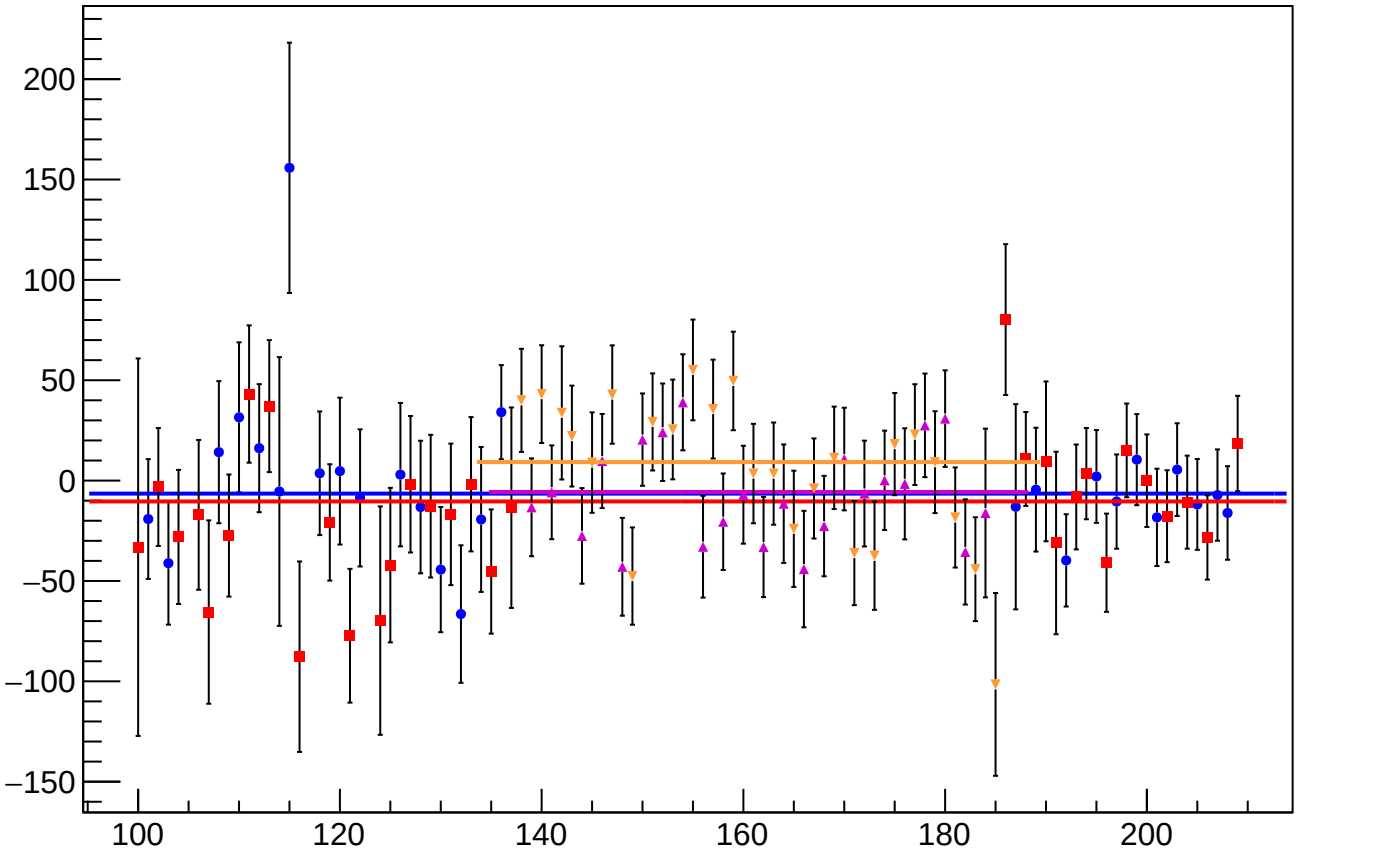
Right Out: 169.197+/-0.031 χ^2/NDF: 2947162.4/31

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.621+/-0.023 χ^2/NDF: 4403723.6/51

All: 178.919+/-0.016 χ^2/NDF: 9123750.7/106

- sign 174.632+/-0.022 χ^2/NDF: 4639065.5/54



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.388+/-5.361 χ^2/NDF: 29.5/31

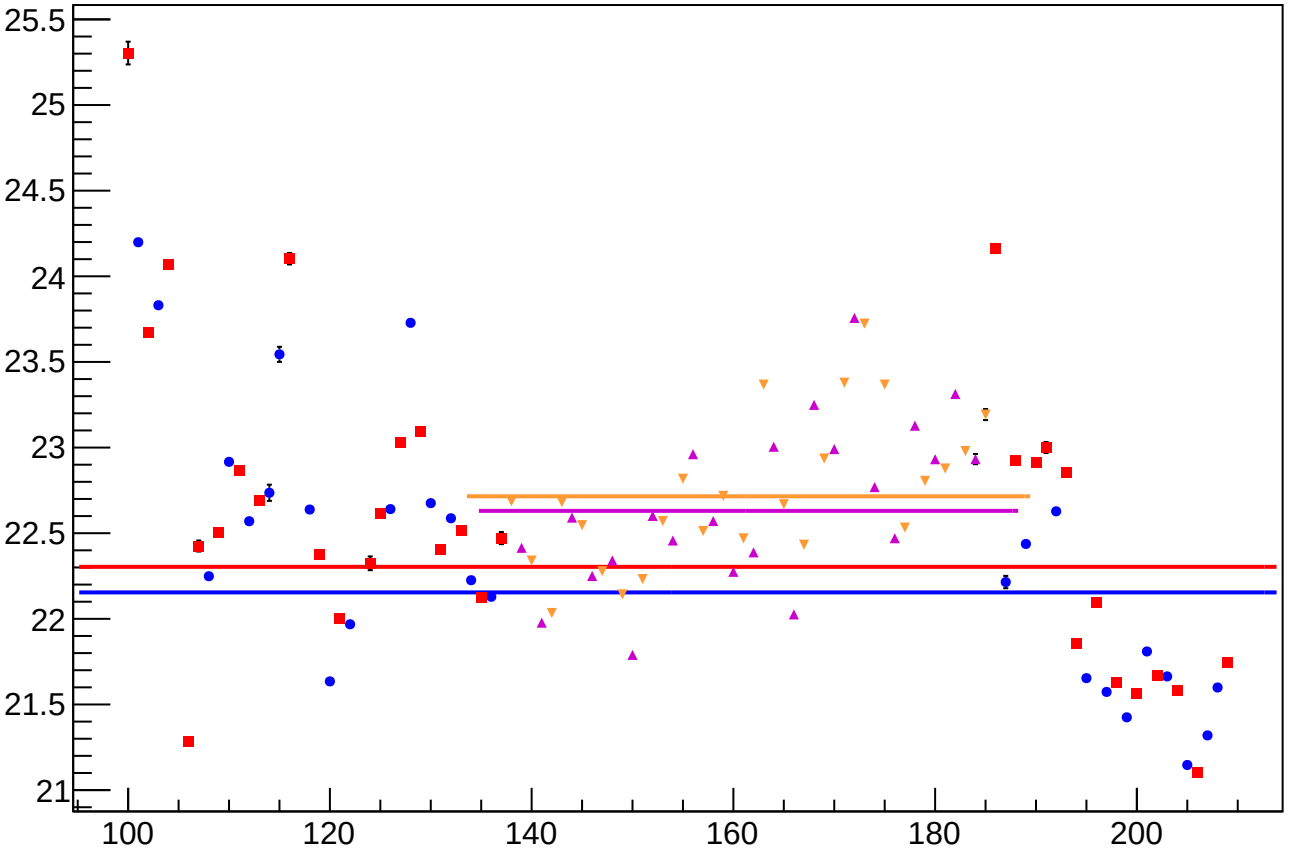
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

\+ sign 1.972+/-3.786 χ^2/NDF: 65.4/51

All: -3.040+/-2.669 χ^2/NDF: 119.6/106

\- sign -7.994+/-3.764 χ^2/NDF: 50.7/54

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

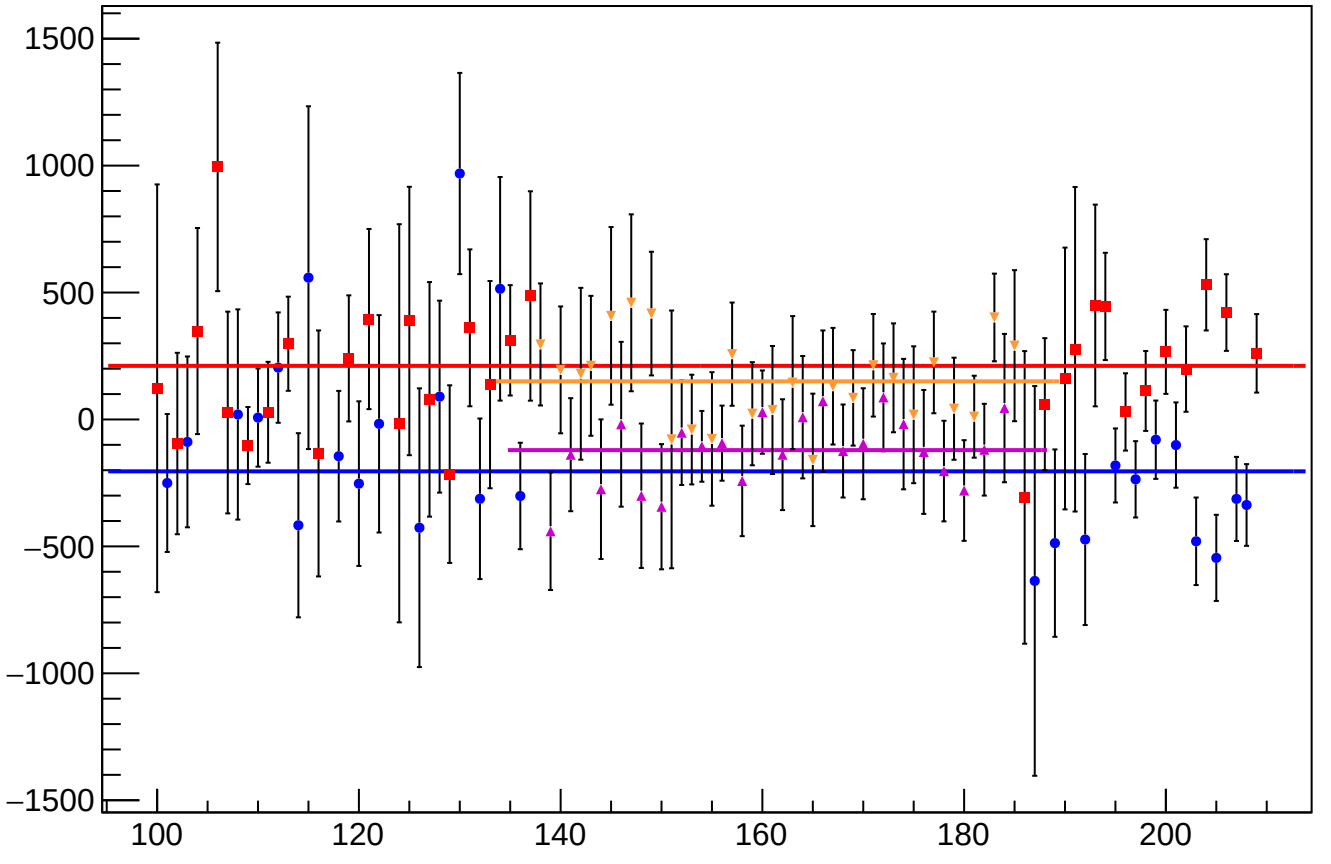
Right Out: 22.304+/-0.004 χ^2/NDF: 43503.6/31

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.456+/-0.003 χ^2/NDF: 61921.4/51

All: 22.463+/-0.002 χ^2/NDF: 124599.1/106

- sign 22.469+/-0.003 χ^2/NDF: 62665.3/54



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 211.201+/-43.092 χ^2/NDF: 22.3/31

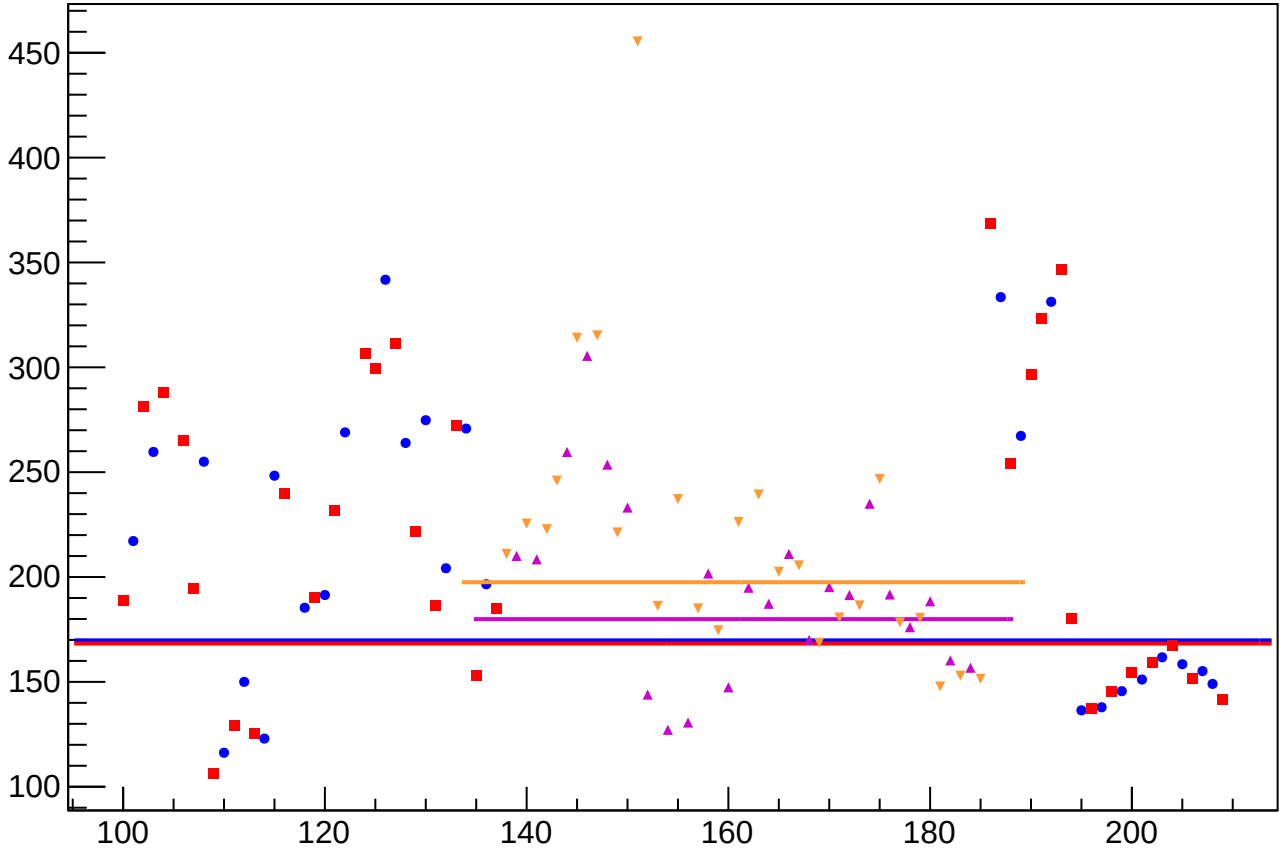
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -34.231+/-32.235 χ^2/NDF: 71.1/51

All: 9.008+/-22.254 χ^2/NDF: 133.9/106

- sign 48.378+/-30.759 χ^2/NDF: 59.3/54

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

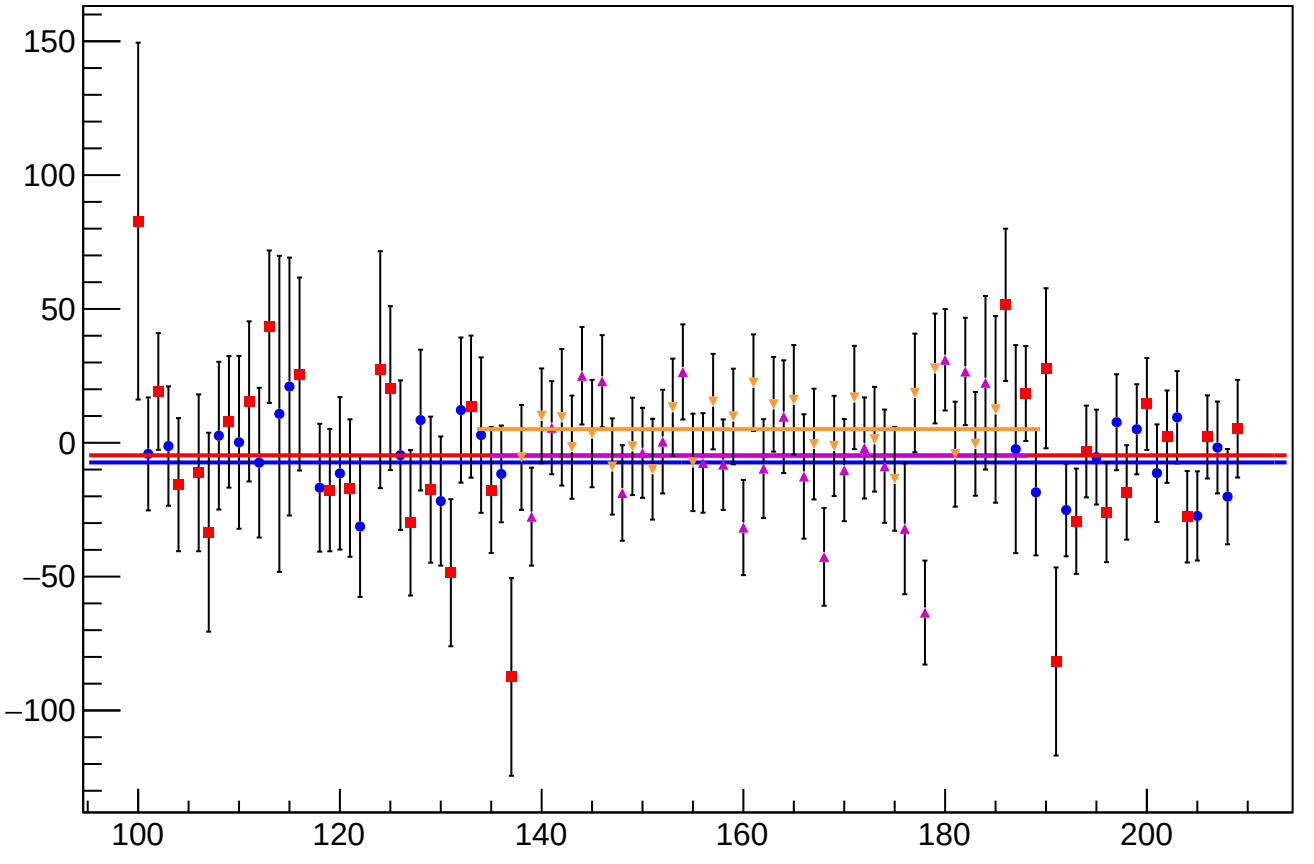
Right Out: 168.268+/-0.030 χ^2/NDF: 3018454.7/31

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 183.108+/-0.023 χ^2/NDF: 4444435.3/51

All: 178.333+/-0.016 χ^2/NDF: 9242651.2/106

- sign 173.985+/-0.022 χ^2/NDF: 4714367.9/54



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -4.671+/-4.103 χ^2/NDF: 38.0/31

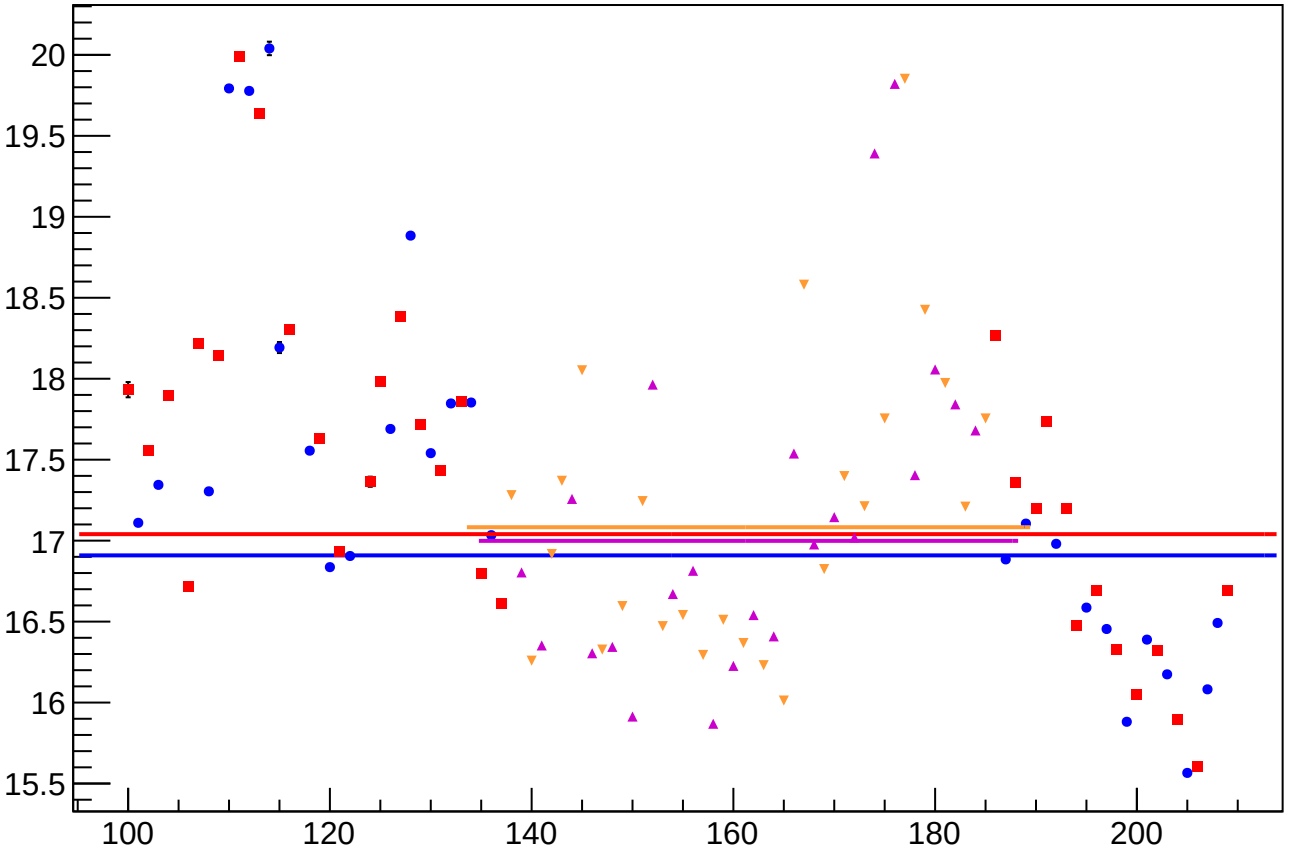
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign -0.551+/-2.872 χ^2/NDF: 21.4/51

All: -2.670+/-2.025 χ^2/NDF: 96.0/106

- sign -4.768+/-2.857 χ^2/NDF: 73.6/54

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

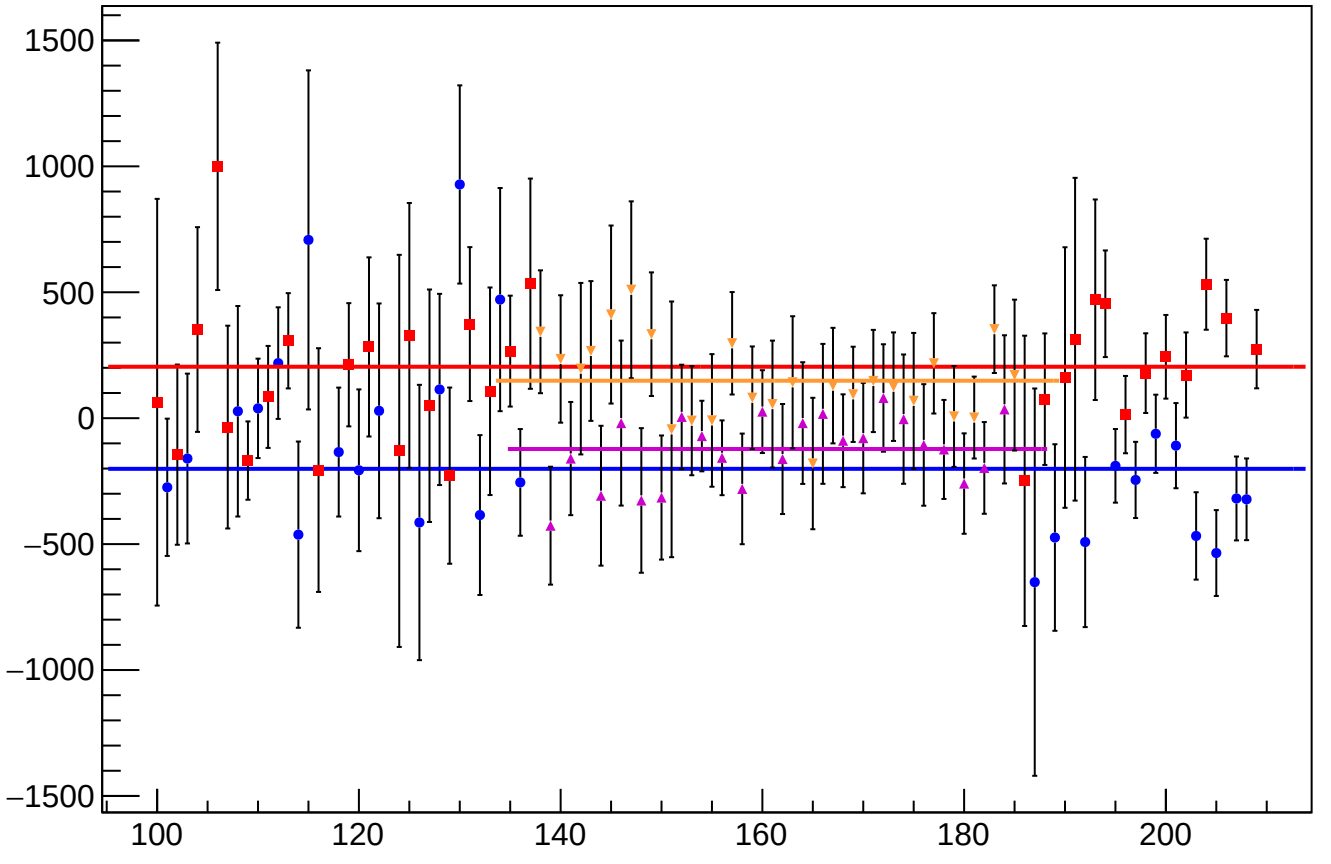
Right Out: 17.040+/-0.003 χ^2/NDF: 109391.1/31

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.004+/-0.002 χ^2/NDF: 197883.4/51

All: 17.011+/-0.001 χ^2/NDF: 411427.6/106

- sign 17.019+/-0.002 χ^2/NDF: 213516.8/54



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 204.268+/-43.409 χ^2/NDF: 23.7/31

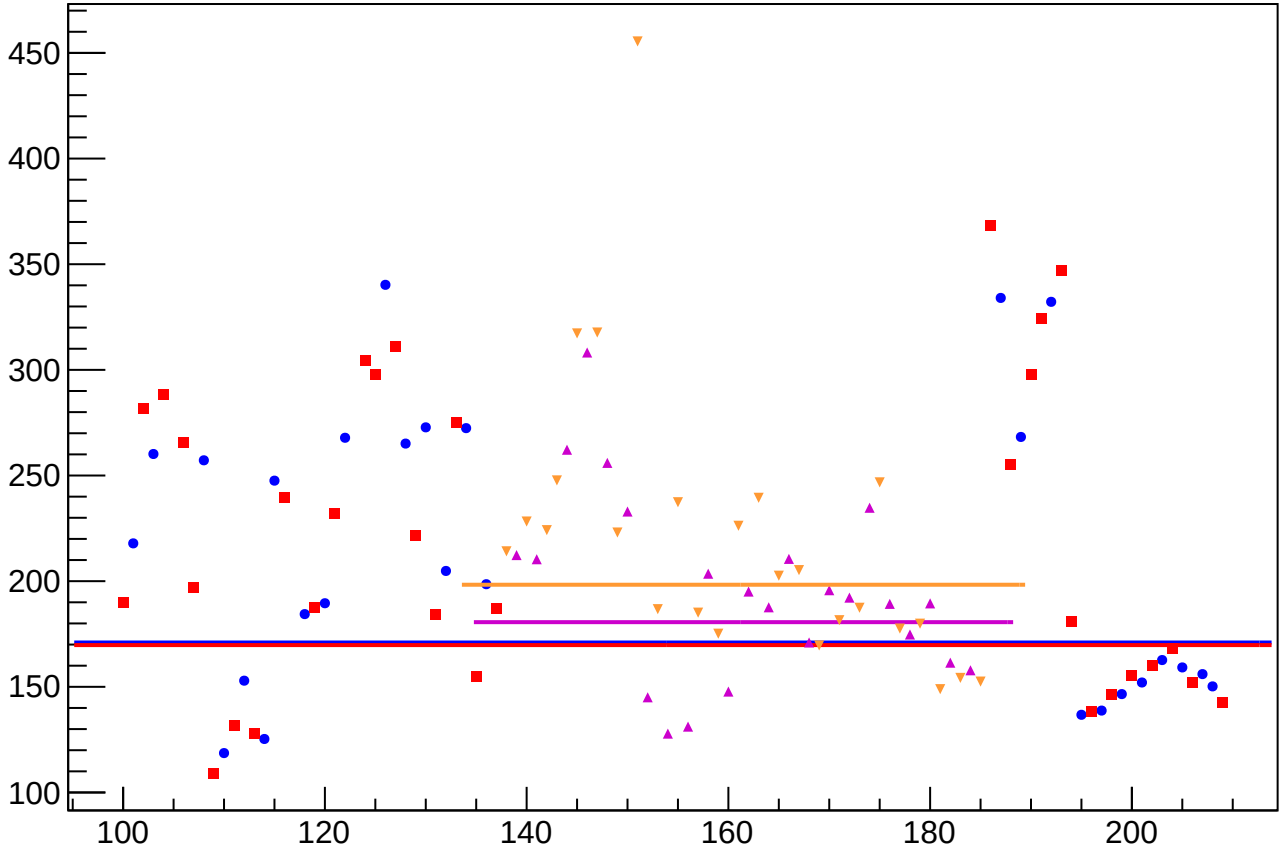
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -32.819+/-32.398 χ^2/NDF: 68.6/51

All: 7.086+/-22.372 χ^2/NDF: 131.0/106

- sign 43.456+/-30.930 χ^2/NDF: 59.4/54

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

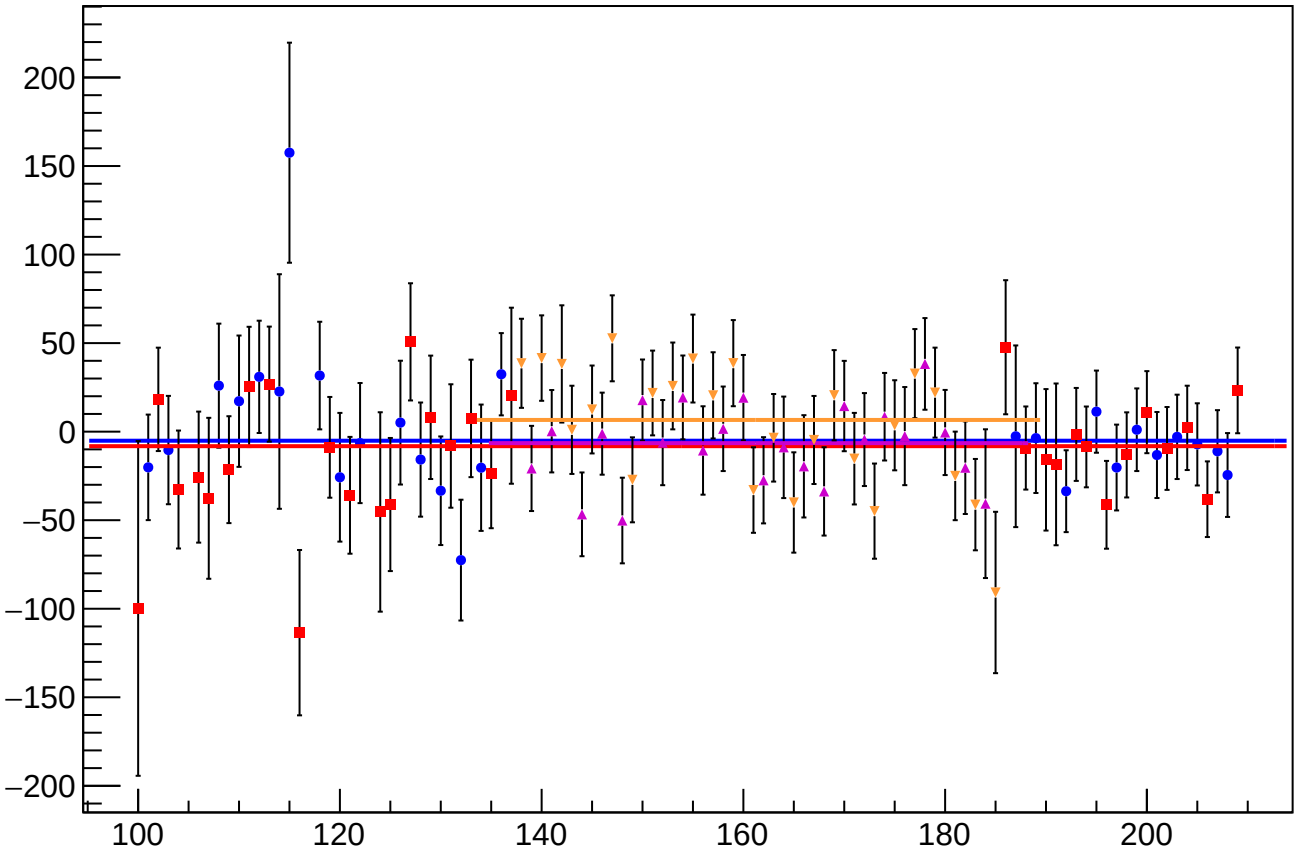
Right Out: 169.753+/-0.031 χ^2/NDF: 2929372.8/31

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 184.124+/-0.023 χ^2/NDF: 4387583.9/51

All: 179.399+/-0.016 χ^2/NDF: 9087817.6/106

\- sign 175.094+/-0.022 χ^2/NDF: 4618945.7/54



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -8.201+/-5.377 χ^2/NDF: 25.2/31

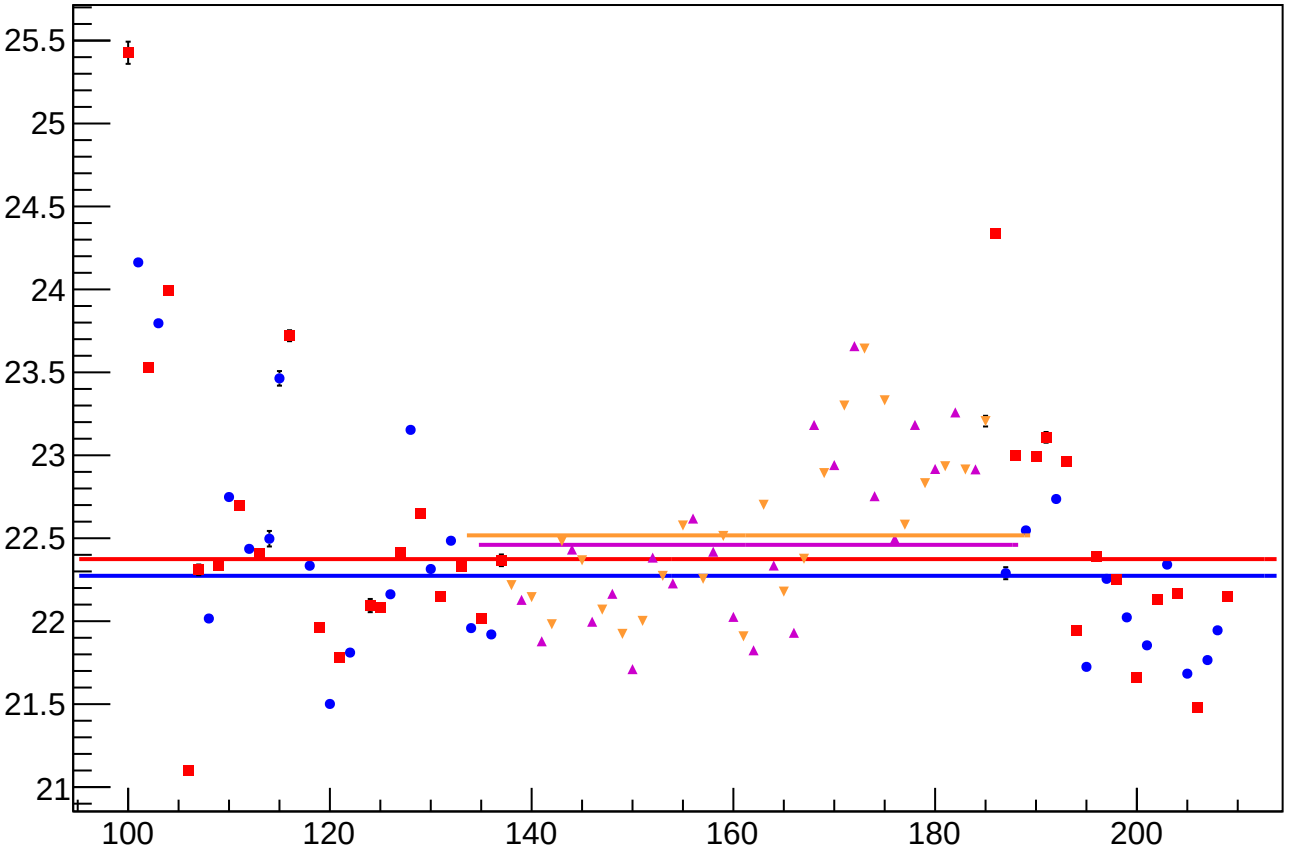
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 1.272+/-3.777 χ^2/NDF: 61.9/51

All: -3.049+/-2.663 χ^2/NDF: 107.2/106

- sign -7.320+/-3.755 χ^2/NDF: 42.7/54

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

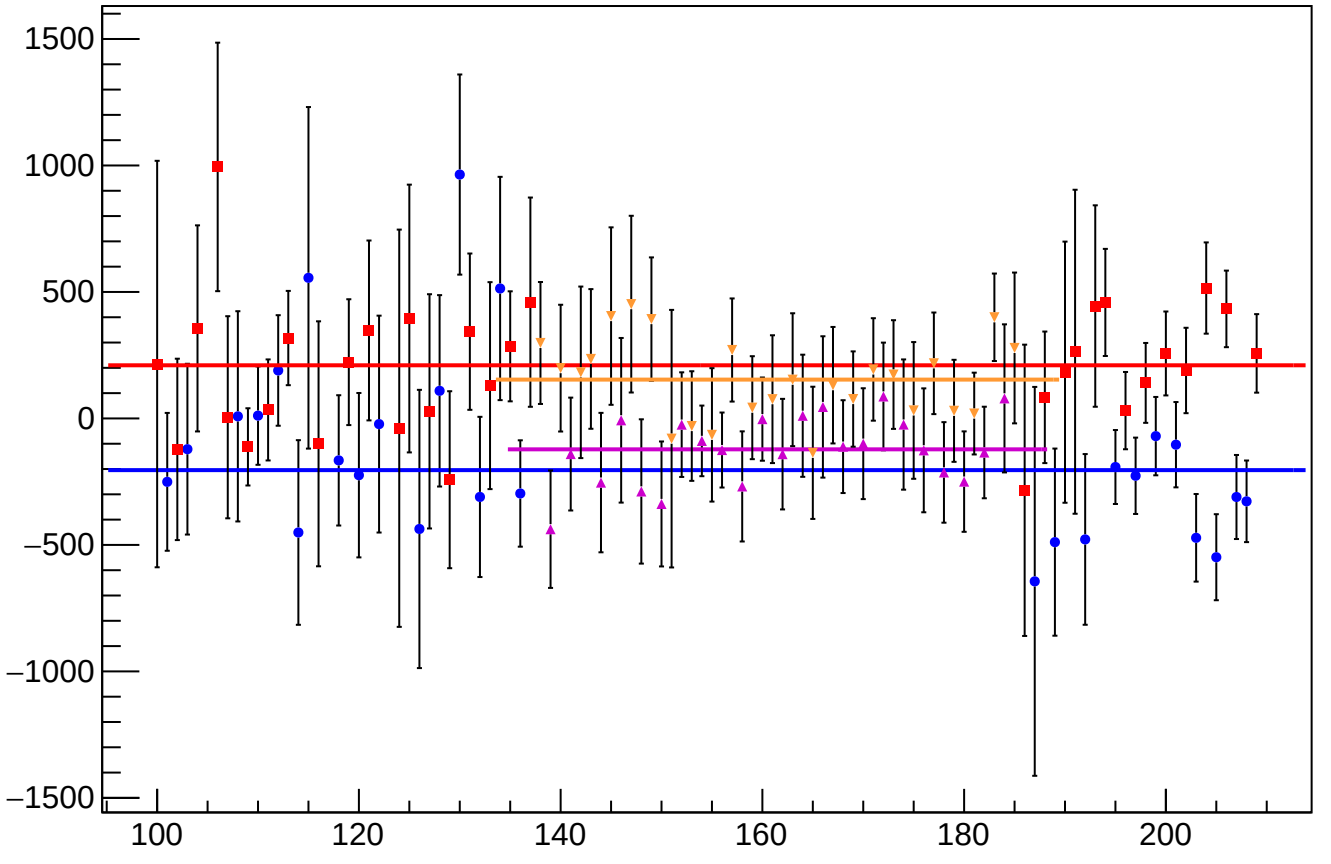
Right Out: 22.374+/-0.004 χ^2/NDF: 31398.2/31

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.406+/-0.003 χ^2/NDF: 41356.8/51

All: 22.412+/-0.002 χ^2/NDF: 92144.0/106

- sign 22.418+/-0.003 χ^2/NDF: 50777.2/54



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 210.086+/-43.224 χ^2/NDF: 22.2/31

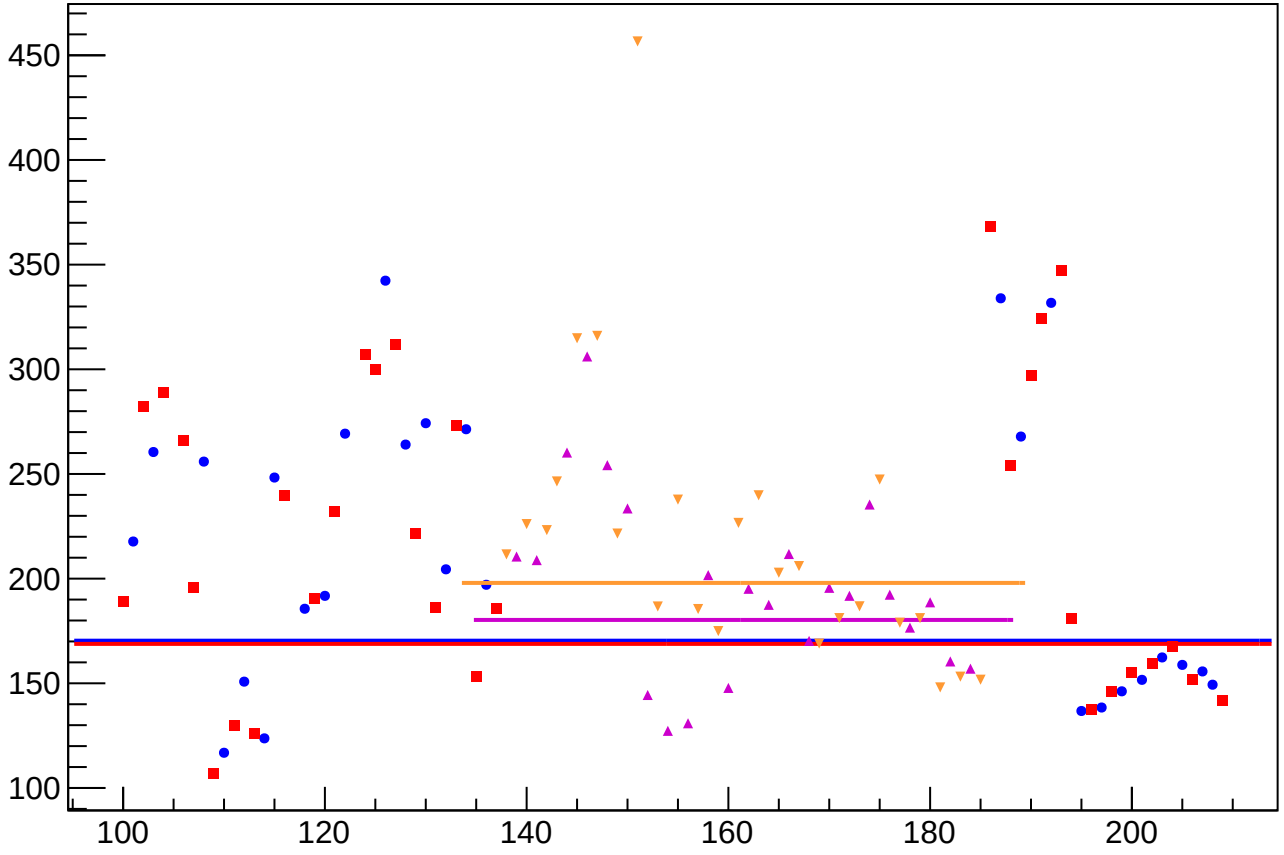
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -32.470+/-32.320 χ^2/NDF: 70.2/51

All: 9.100+/-22.311 χ^2/NDF: 132.0/106

- sign 46.941+/-30.837 χ^2/NDF: 58.7/54

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

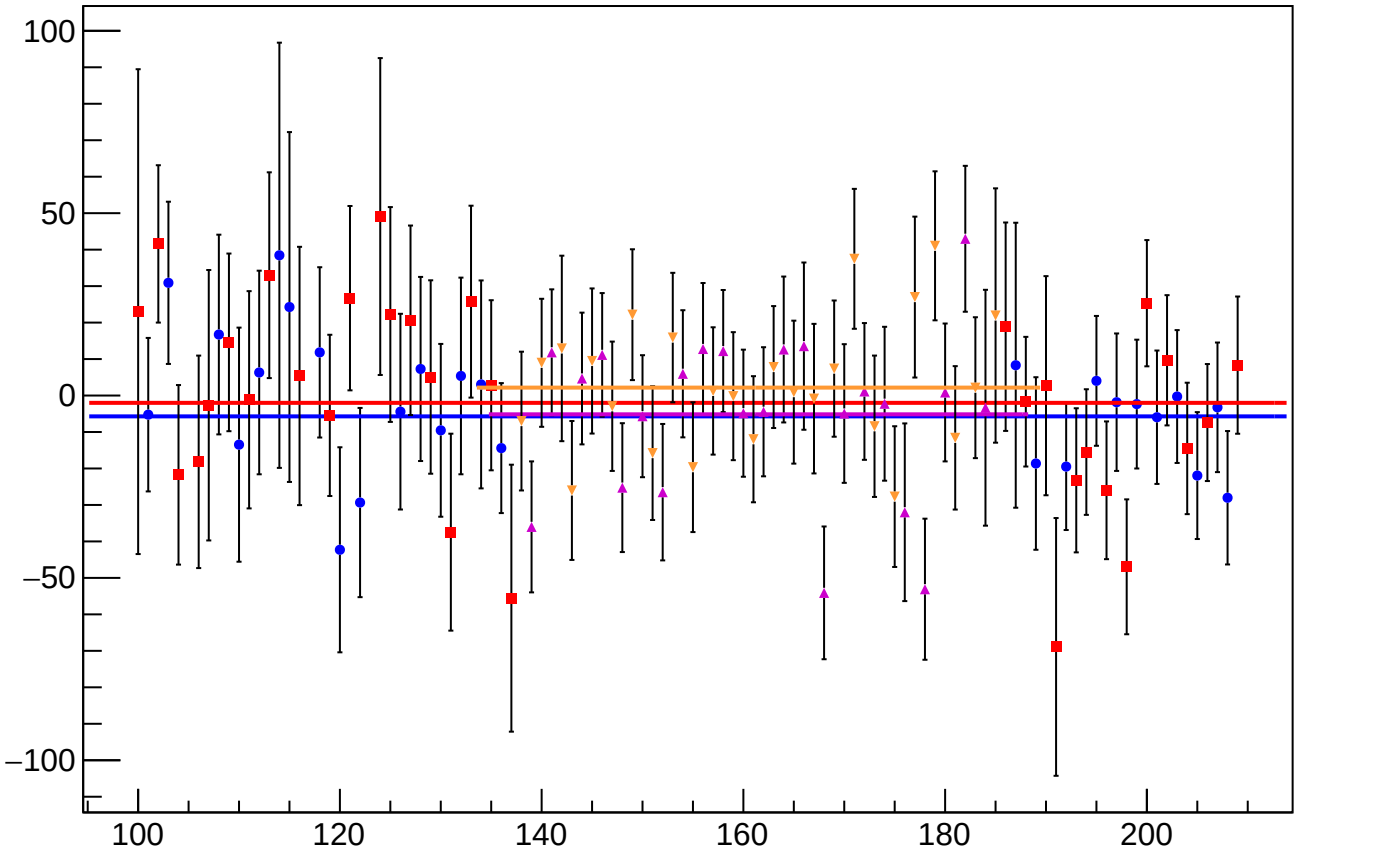
Right Out: 168.830+/-0.031 χ^2/NDF: 2999813.1/31

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 183.614+/-0.023 χ^2/NDF: 4427615.0/51

All: 178.816+/-0.016 χ^2/NDF: 9205135.3/106

- sign 174.449+/-0.022 χ^2/NDF: 4693345.9/54



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -2.005+/-4.130 χ^2/NDF: 33.7/31

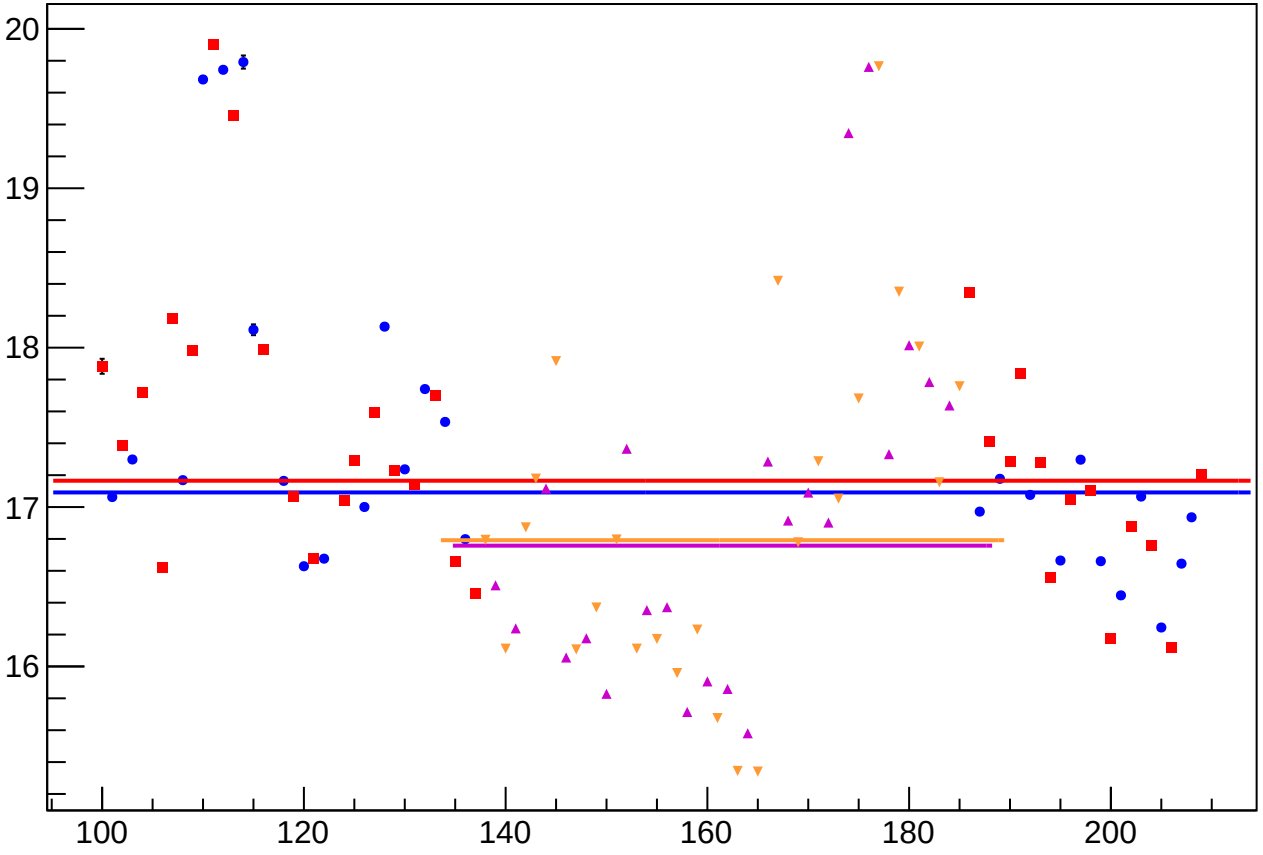
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.310+/-2.858 χ^2/NDF: 34.2/51

All: -2.489+/-2.016 χ^2/NDF: 100.8/106

- sign -3.658+/-2.845 χ^2/NDF: 66.3/54

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

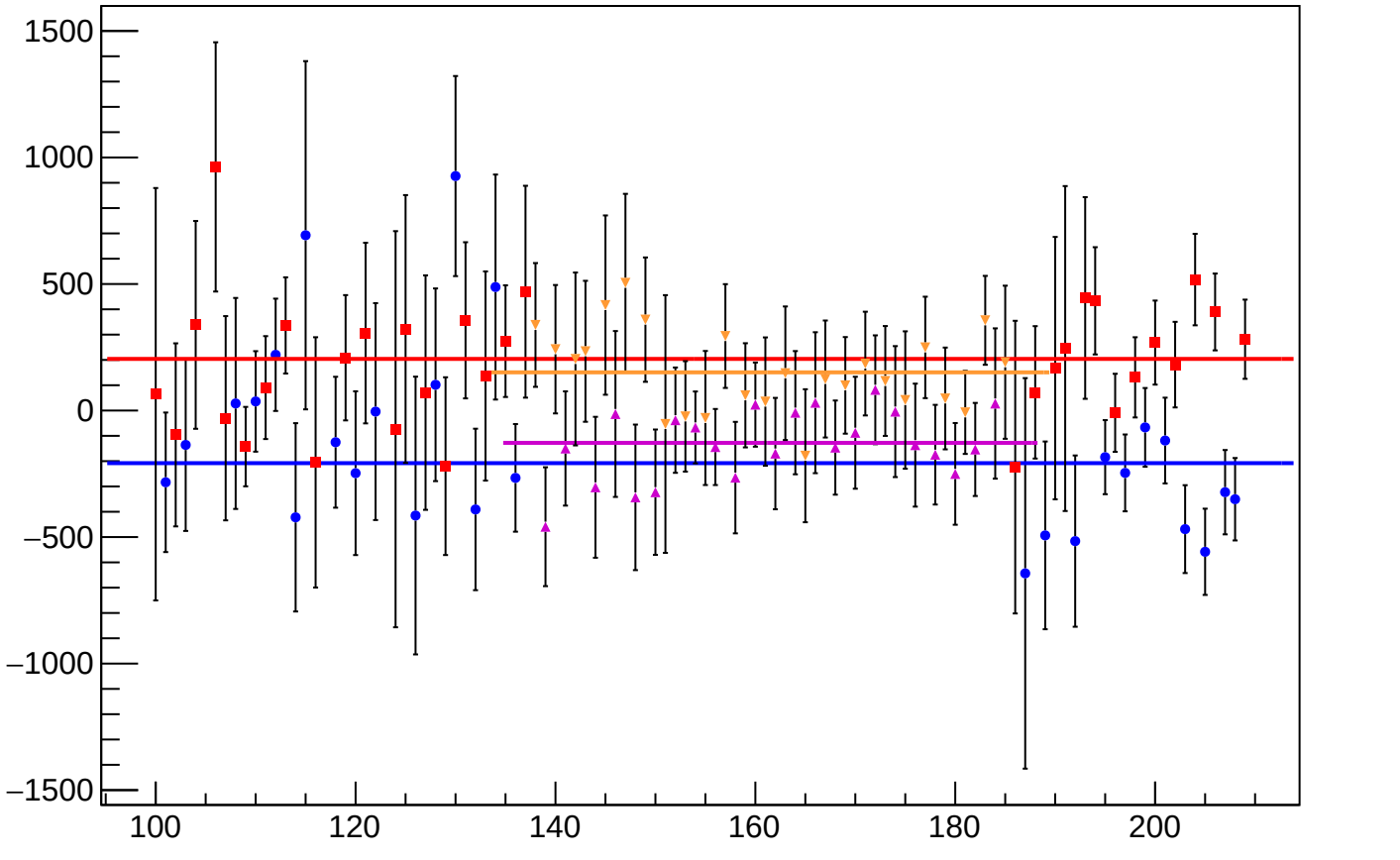
Right Out: 17.165+/-0.003 χ^2/NDF: 64793.8/31

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.924+/-0.002 χ^2/NDF: 196926.6/51

All: 16.938+/-0.001 χ^2/NDF: 395343.3/106

\- sign 16.951+/-0.002 χ^2/NDF: 198328.9/54



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

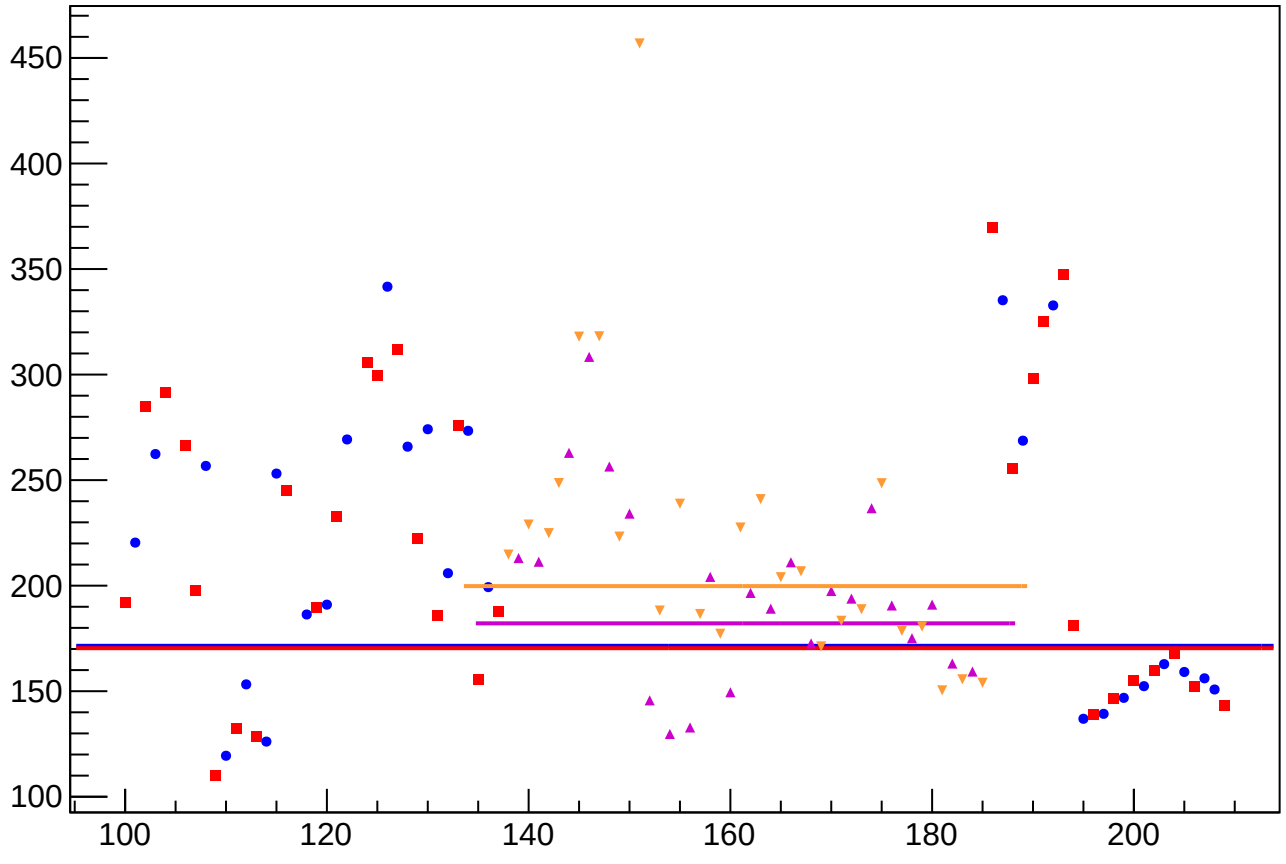
Right Out: 204.017+/-43.563 χ^2/NDF: 21.9/31

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -35.994+/-32.558 χ^2/NDF: 70.9/51

All: 4.473+/-22.490 χ^2/NDF: 132.0/106

- sign 41.408+/-31.104 χ^2/NDF: 58.1/54



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

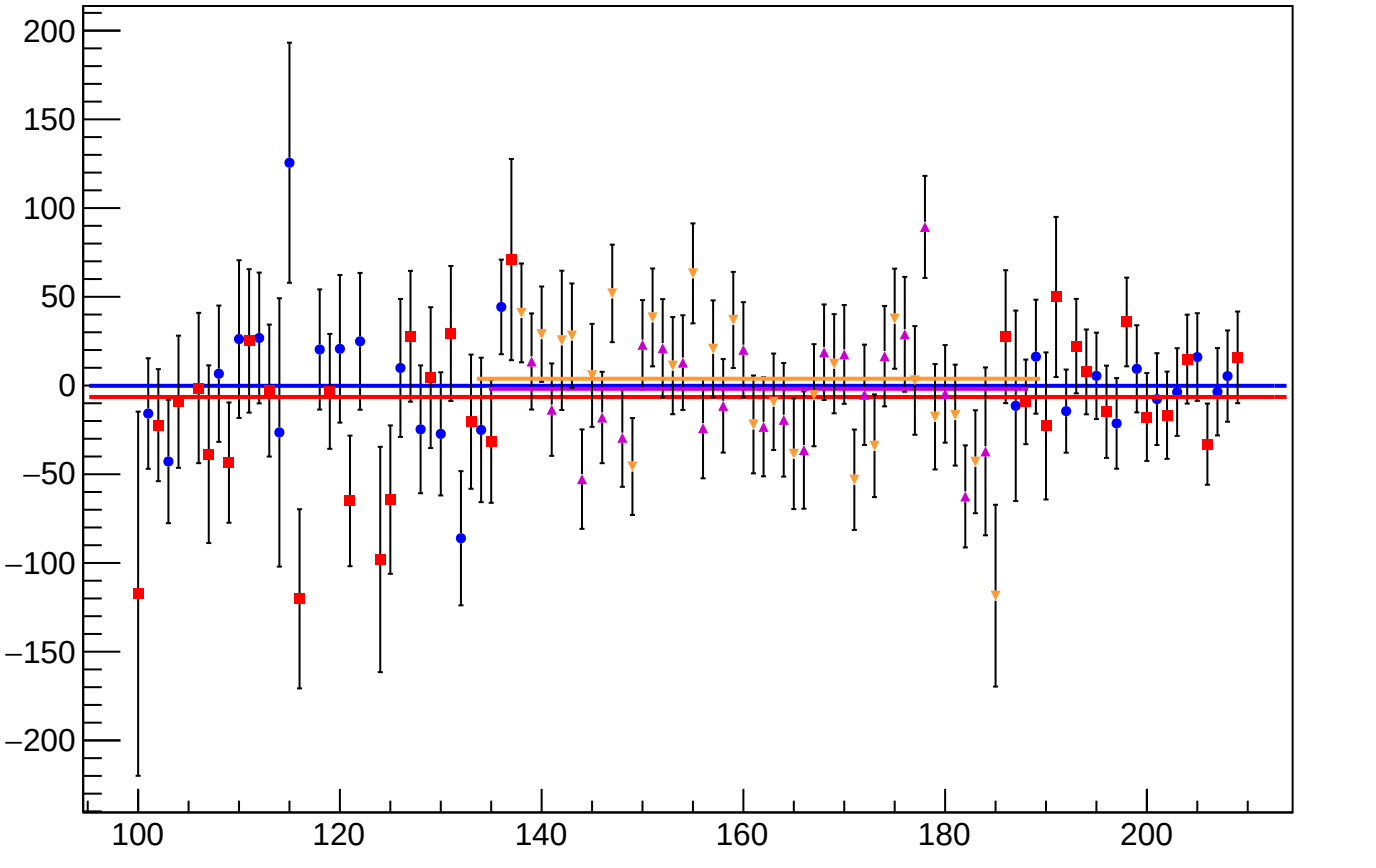
Right Out: 170.376+/-0.031 χ^2/NDF: 2932434.1/31

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 185.051+/-0.023 χ^2/NDF: 4389352.2/51

All: 180.396+/-0.016 χ^2/NDF: 9055956.5/106

- sign 176.148+/-0.022 χ^2/NDF: 4588408.4/54



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

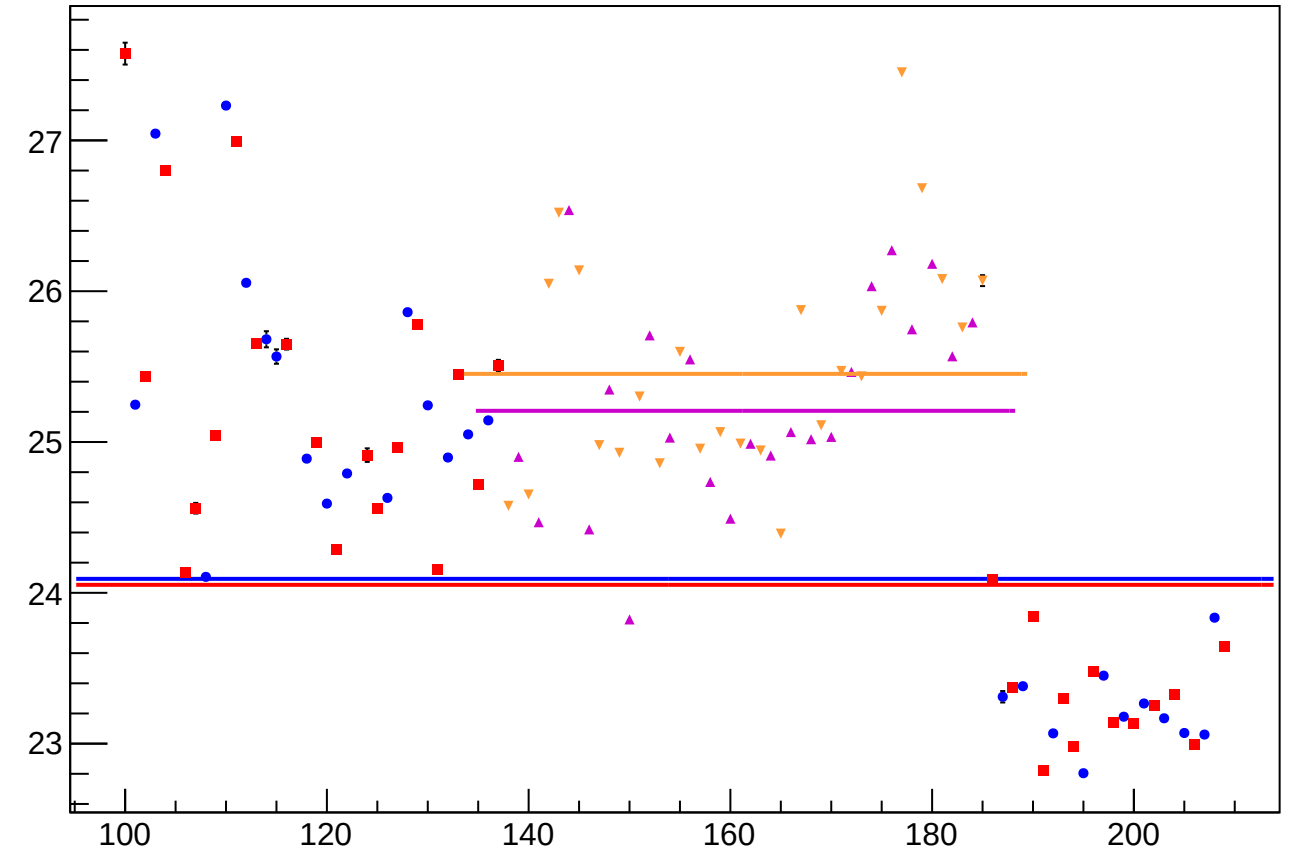
Right Out: -6.449+/-5.786 χ^2/NDF: 29.9/31

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.927+/-4.186 χ^2/NDF: 56.8/51

All: -1.175+/-2.940 χ^2/NDF: 116.1/106

- sign -4.192+/-4.129 χ^2/NDF: 58.2/54



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

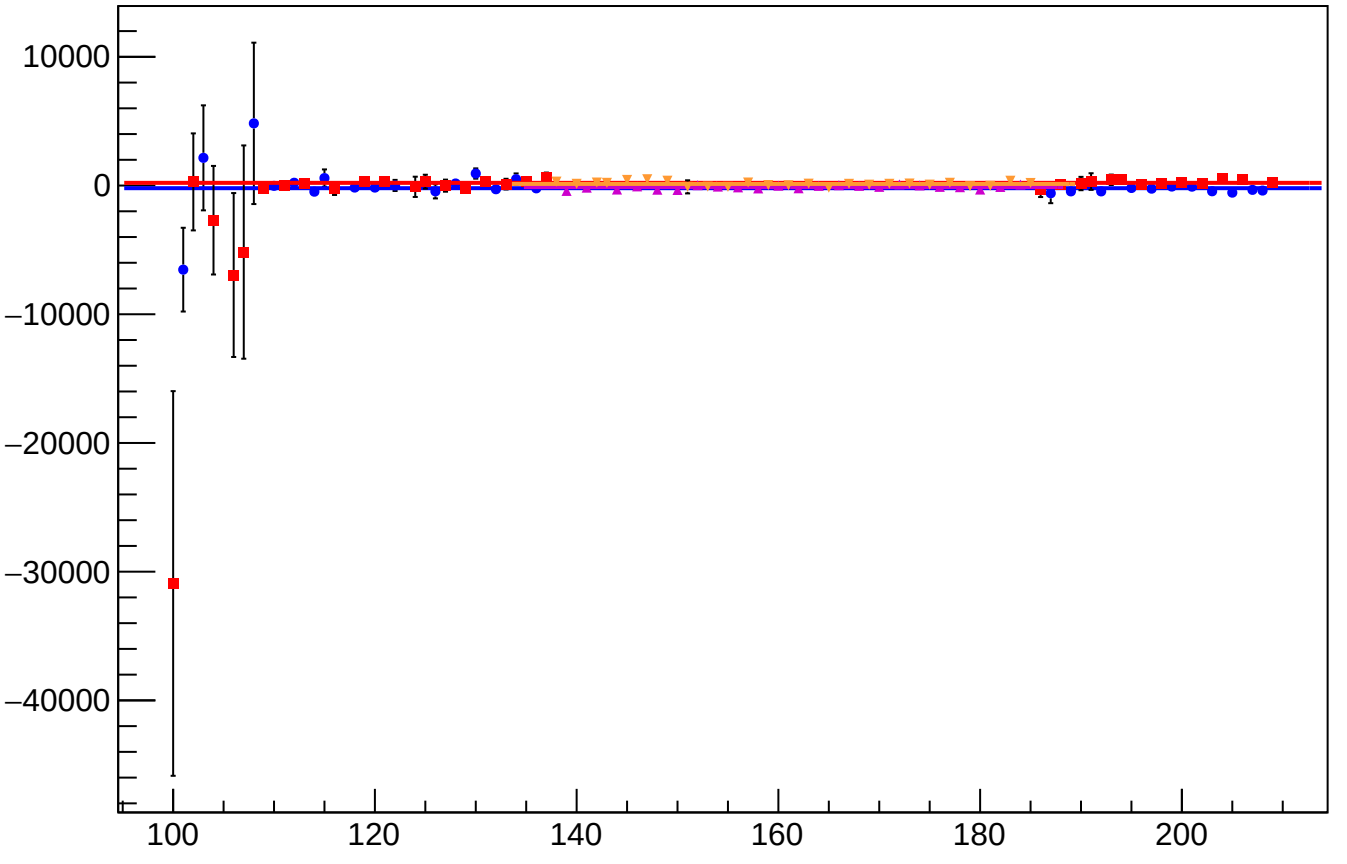
Right Out: 24.053+/-0.004 χ^2/NDF: 71305.4/31

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.804+/-0.003 χ^2/NDF: 158258.4/51

All: 24.710+/-0.002 χ^2/NDF: 296388.8/106

- sign 24.619+/-0.003 χ^2/NDF: 136168.5/54



Right In: -205.764+/-47.225 χ^2/NDF: 33.3/26

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

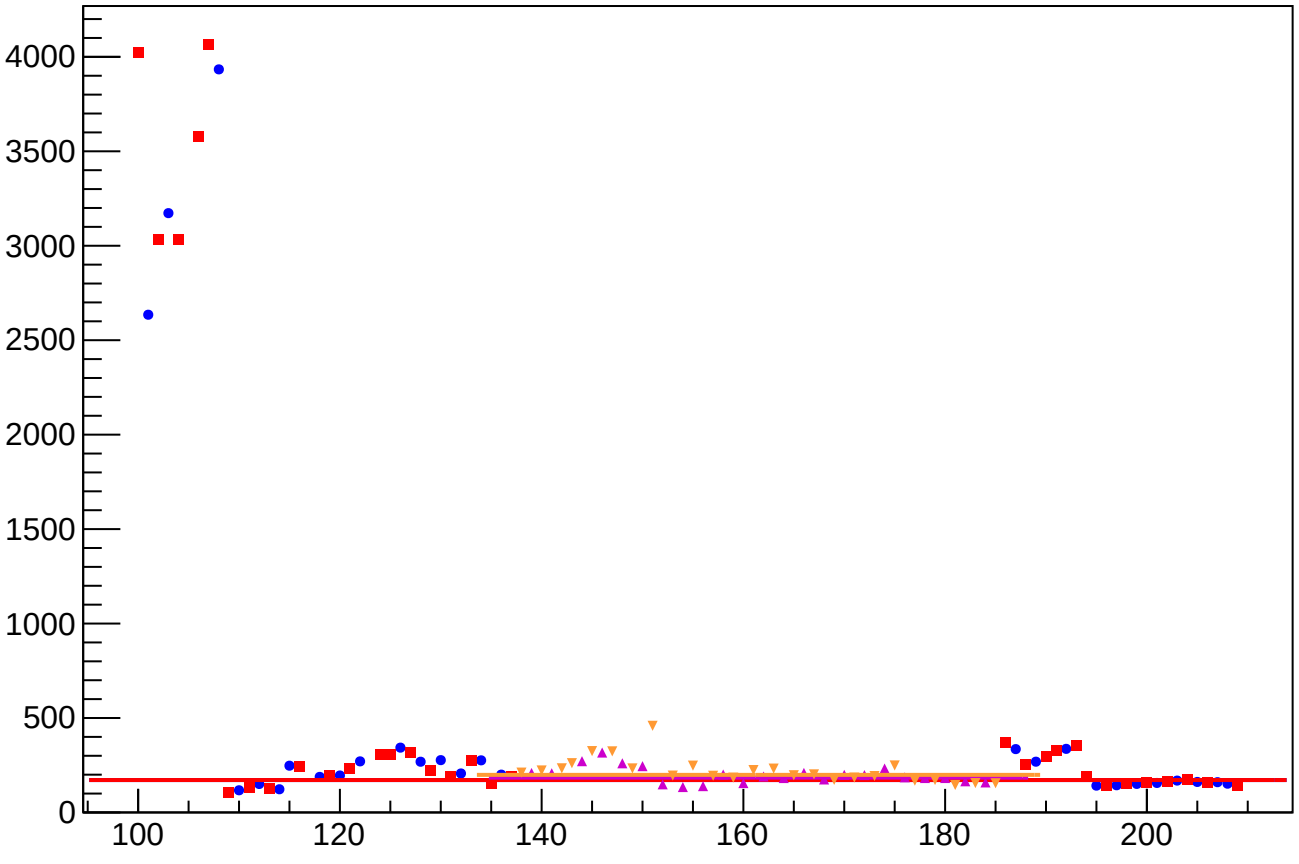
Right Out: 209.570+/-46.139 χ^2/NDF: 24.7/31

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

\+ sign -39.249+/-33.287 χ^2/NDF: 69.1/51

All: 2.551+/-23.131 χ^2/NDF: 130.6/106

\- sign 41.588+/-32.168 χ^2/NDF: 58.4/54



Right In: 171.508+/-0.033 χ^2/NDF: 4856617.7/26

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

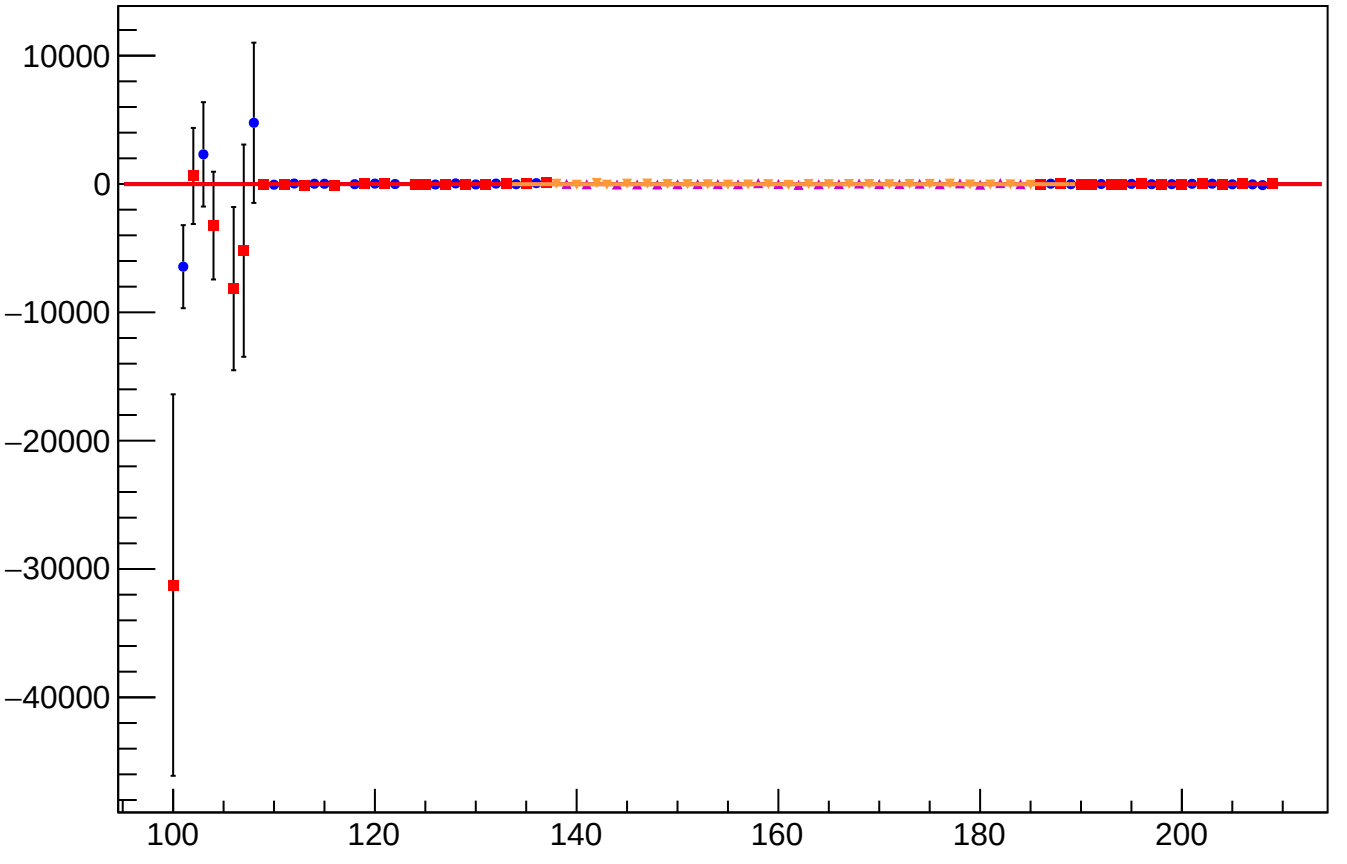
Right Out: 171.601+/-0.033 χ^2/NDF: 5575005.0/31

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 185.339+/-0.024 χ^2/NDF: 7099666.1/51

All: 181.636+/-0.016 χ^2/NDF: 14247906.8/10

- sign 178.178+/-0.023 χ^2/NDF: 7100386.4/54



Right In: -3.979+/-7.280 χ^2/NDF: 28.2/26

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -7.815+/-7.030 χ^2/NDF: 32.8/31

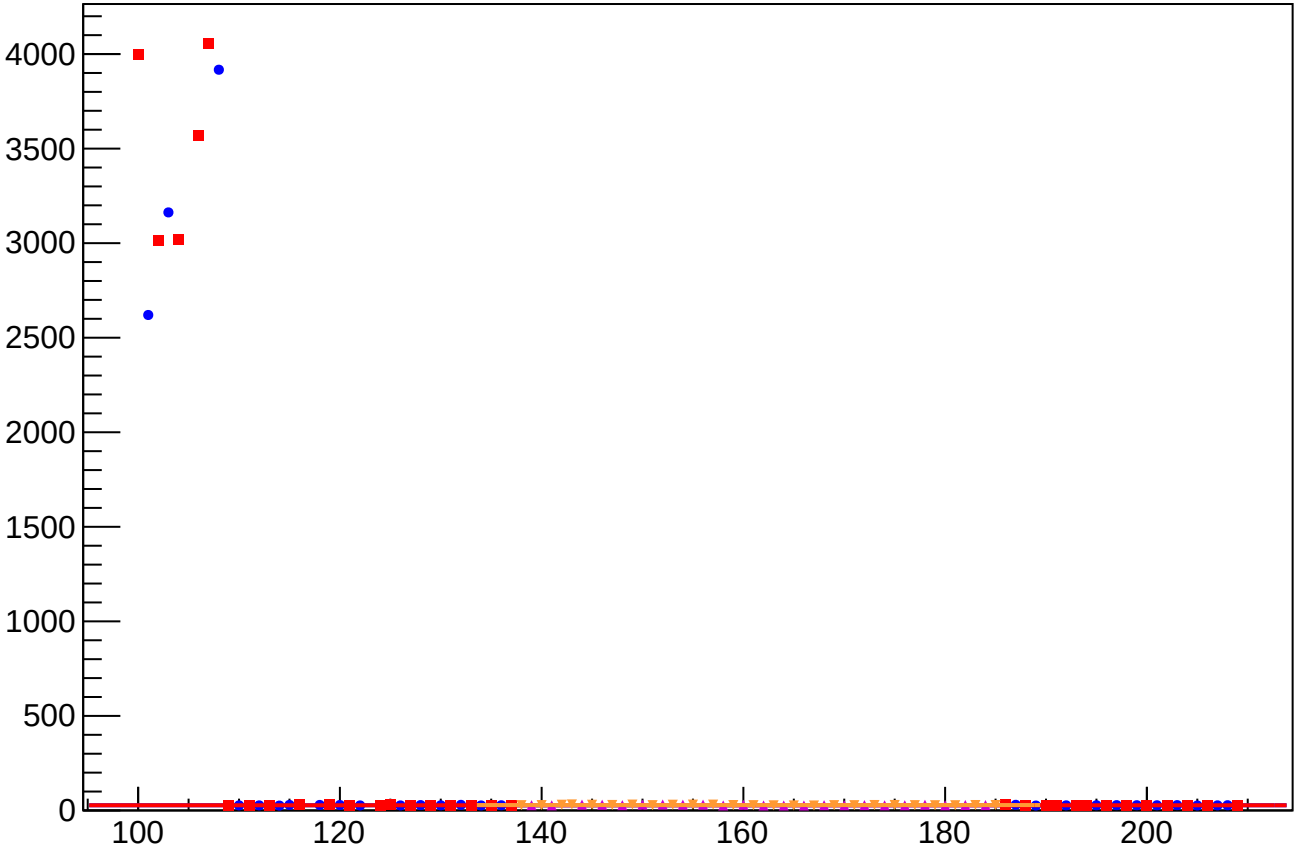
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -10.006+/-4.853 χ^2/NDF: 51.7/51

All: -7.432+/-3.431 χ^2/NDF: 113.7/106

- sign -4.859+/-4.852 χ^2/NDF: 61.5/54

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.414+/-0.005 χ^2/NDF: 3279588.5/26

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

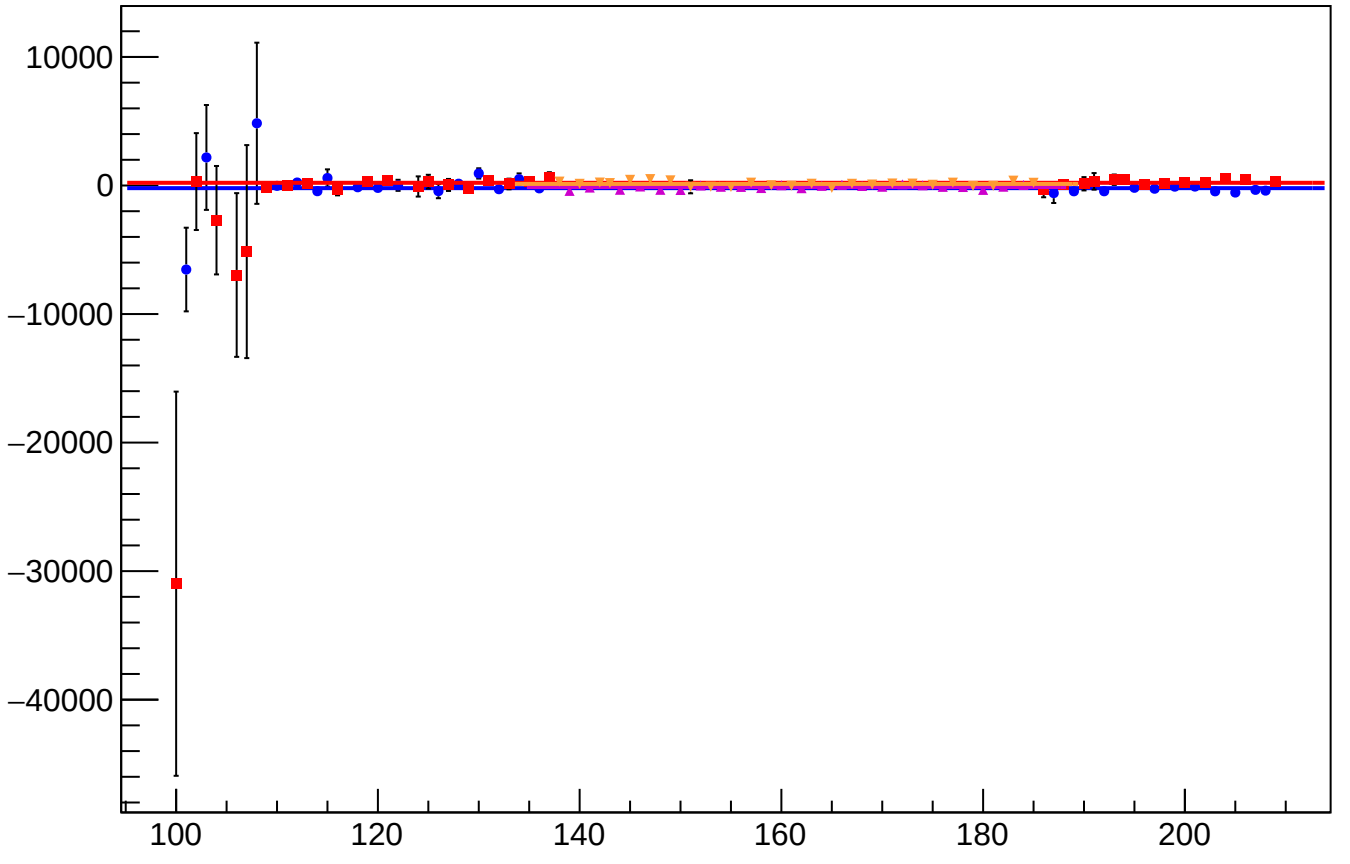
Right Out: 27.405+/-0.005 χ^2/NDF: 3589686.1/31

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.065+/-0.003 χ^2/NDF: 3396508.0/51

All: 28.049+/-0.002 χ^2/NDF: 7139725.4/106

- sign 28.034+/-0.003 χ^2/NDF: 3743176.9/54



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 210.402+/-46.009 χ^2/NDF: 25.1/31

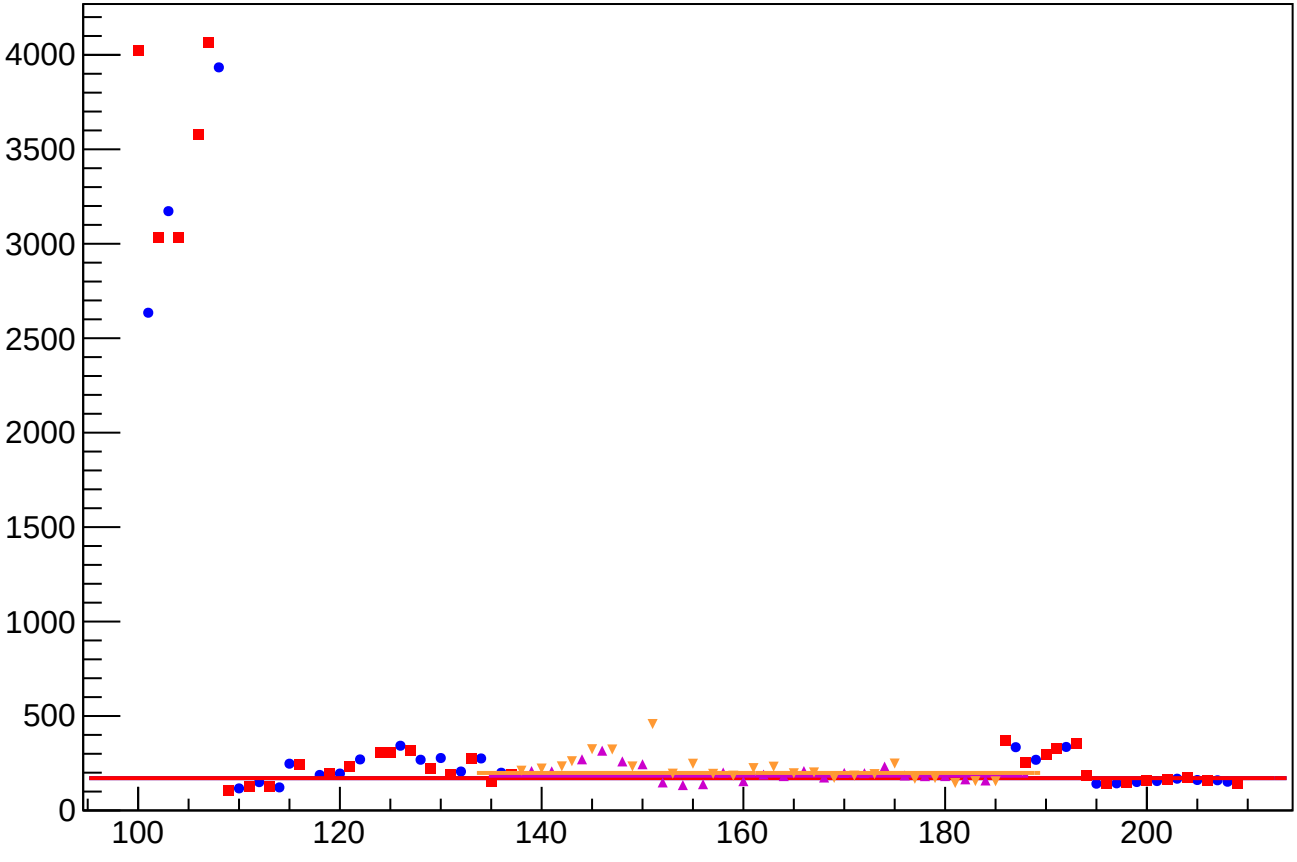
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -41.329+/-33.202 χ^2/NDF: 70.1/51

All: 2.104+/-23.075 χ^2/NDF: 132.8/106

- sign 42.681+/-32.092 χ^2/NDF: 59.4/54

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

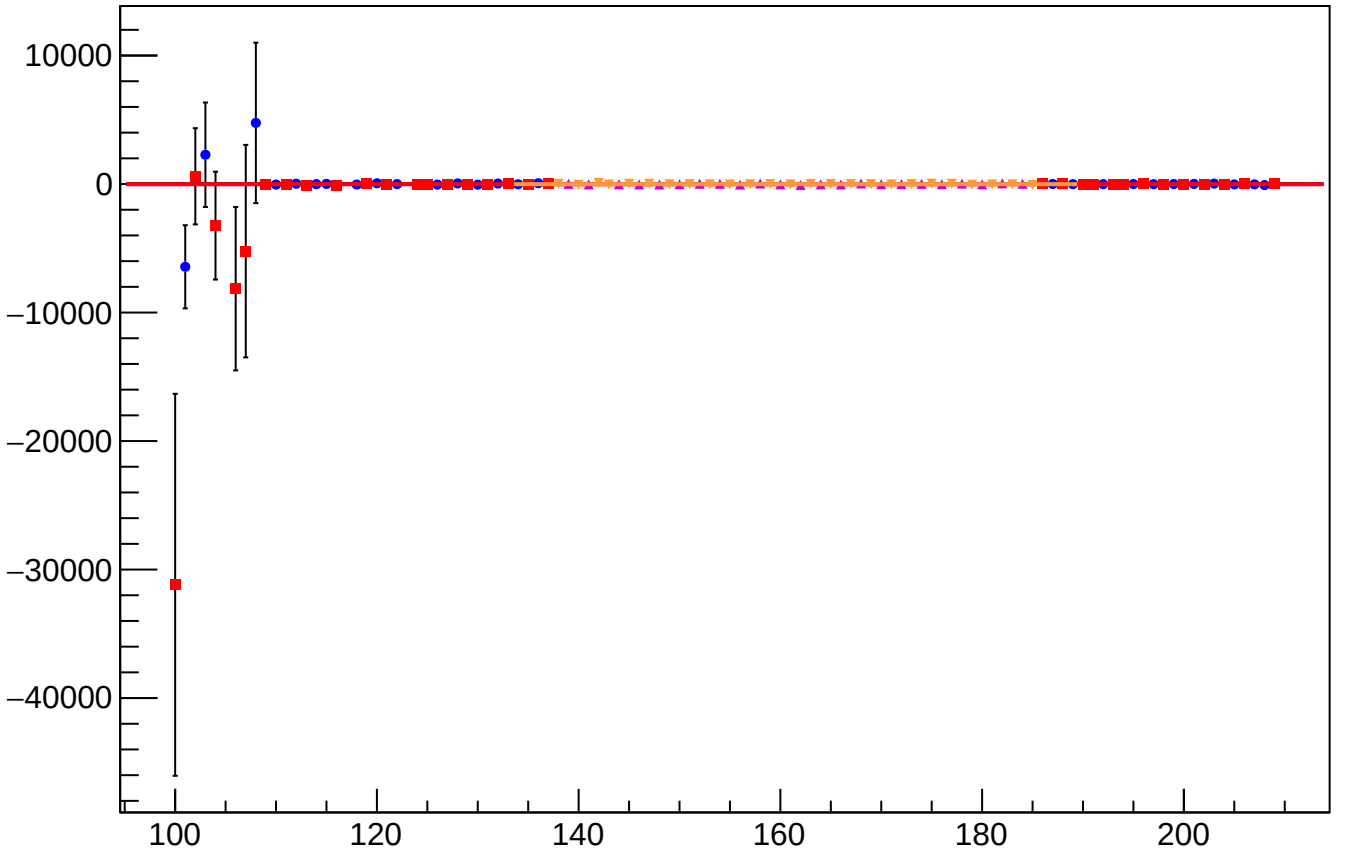
Right Out: 171.062+/-0.033 χ^2/NDF: 5593599.1/31

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.844+/-0.023 χ^2/NDF: 7117006.9/51

All: 181.167+/-0.016 χ^2/NDF: 14285328.0/10

- sign 177.731+/-0.023 χ^2/NDF: 7120868.6/54



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -9.465+/-7.013 χ^2/NDF: 33.3/31

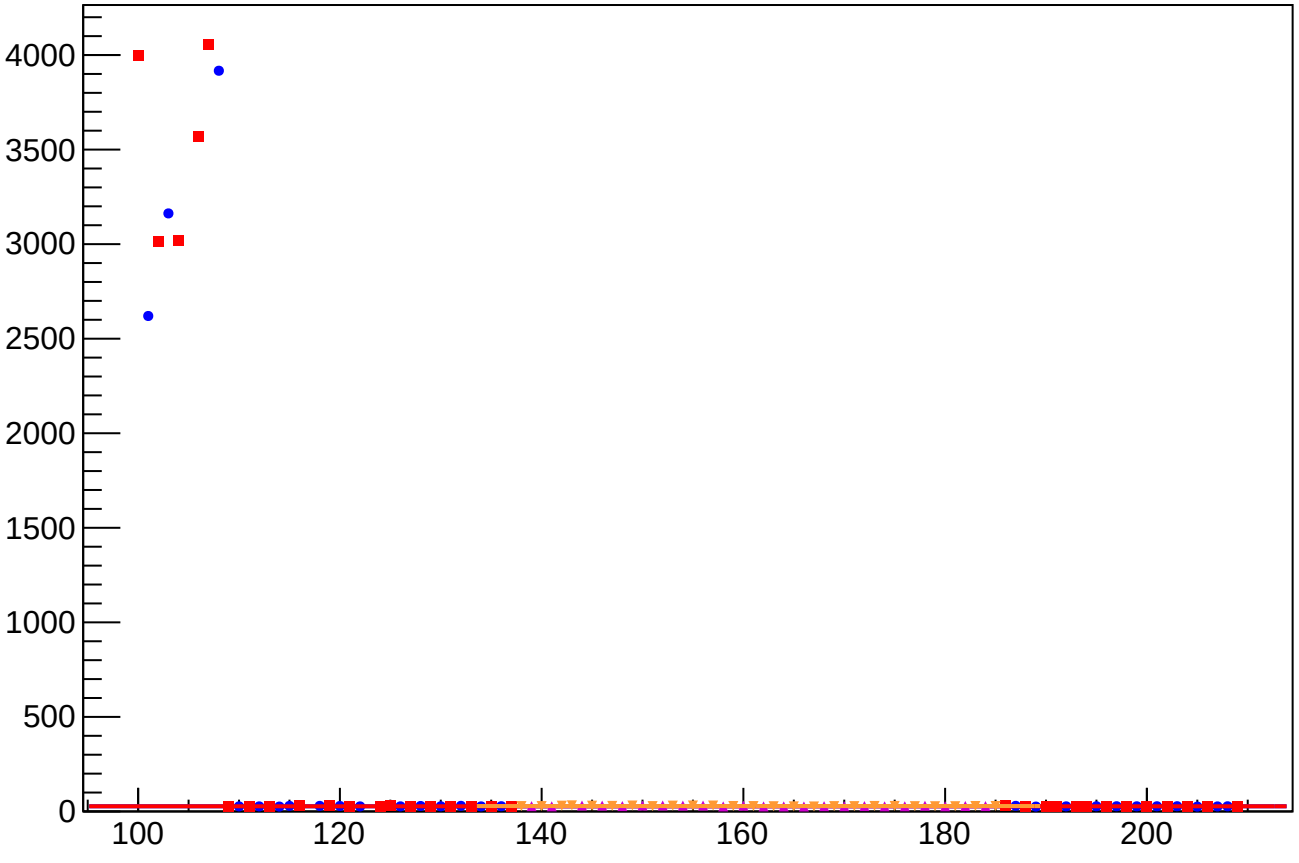
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -8.733+/-4.858 χ^2/NDF: 47.3/51

All: -7.306+/-3.435 χ^2/NDF: 103.5/106

- sign -5.880+/-4.857 χ^2/NDF: 56.0/54

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

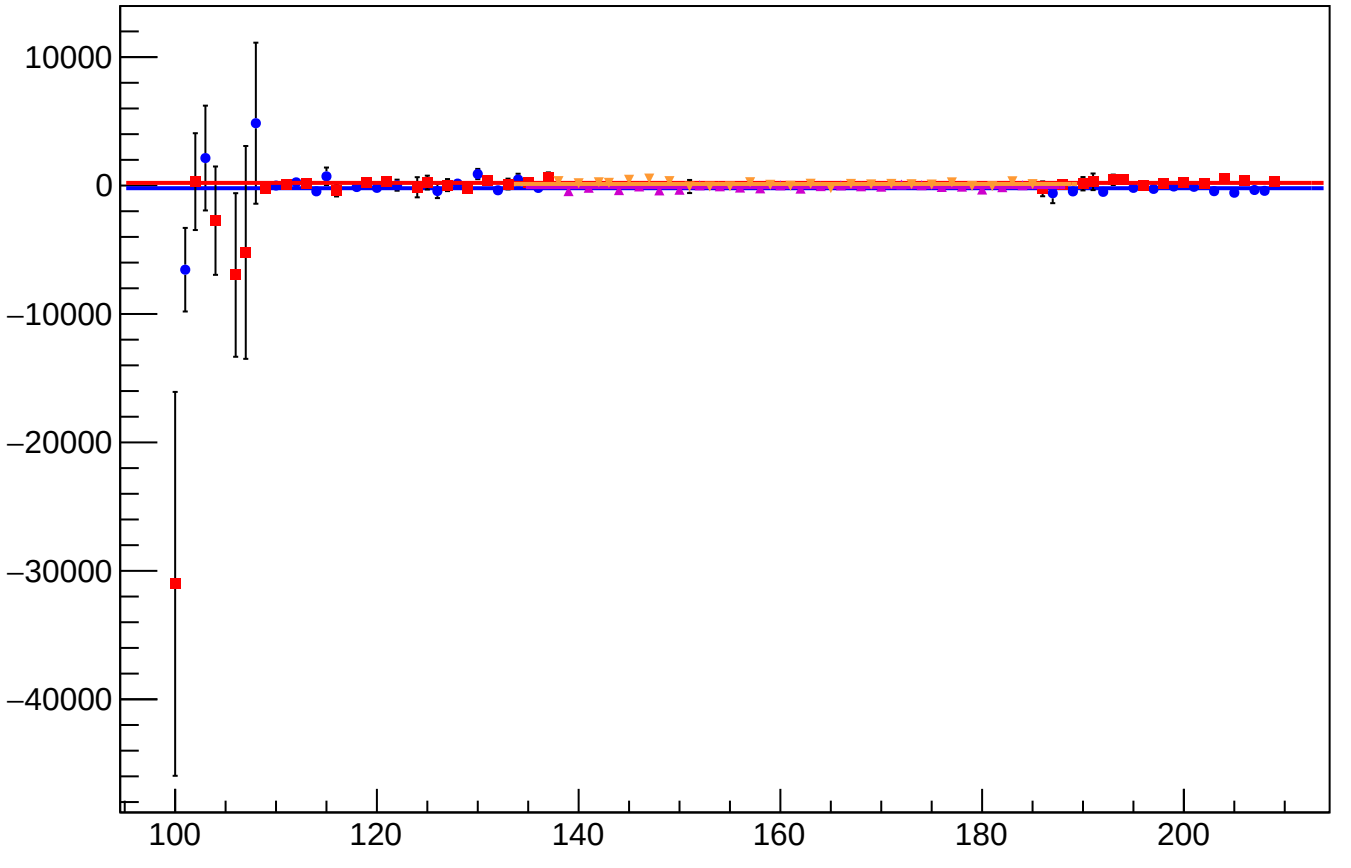
Right Out: 27.334+/-0.005 χ^2/NDF: 3592255.6/31

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.086+/-0.003 χ^2/NDF: 3423893.3/51

All: 28.072+/-0.002 χ^2/NDF: 7184694.6/106

- sign 28.059+/-0.003 χ^2/NDF: 3760770.9/54



Right In: -208.252+/-47.439 χ^2/NDF: 34.6/26

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

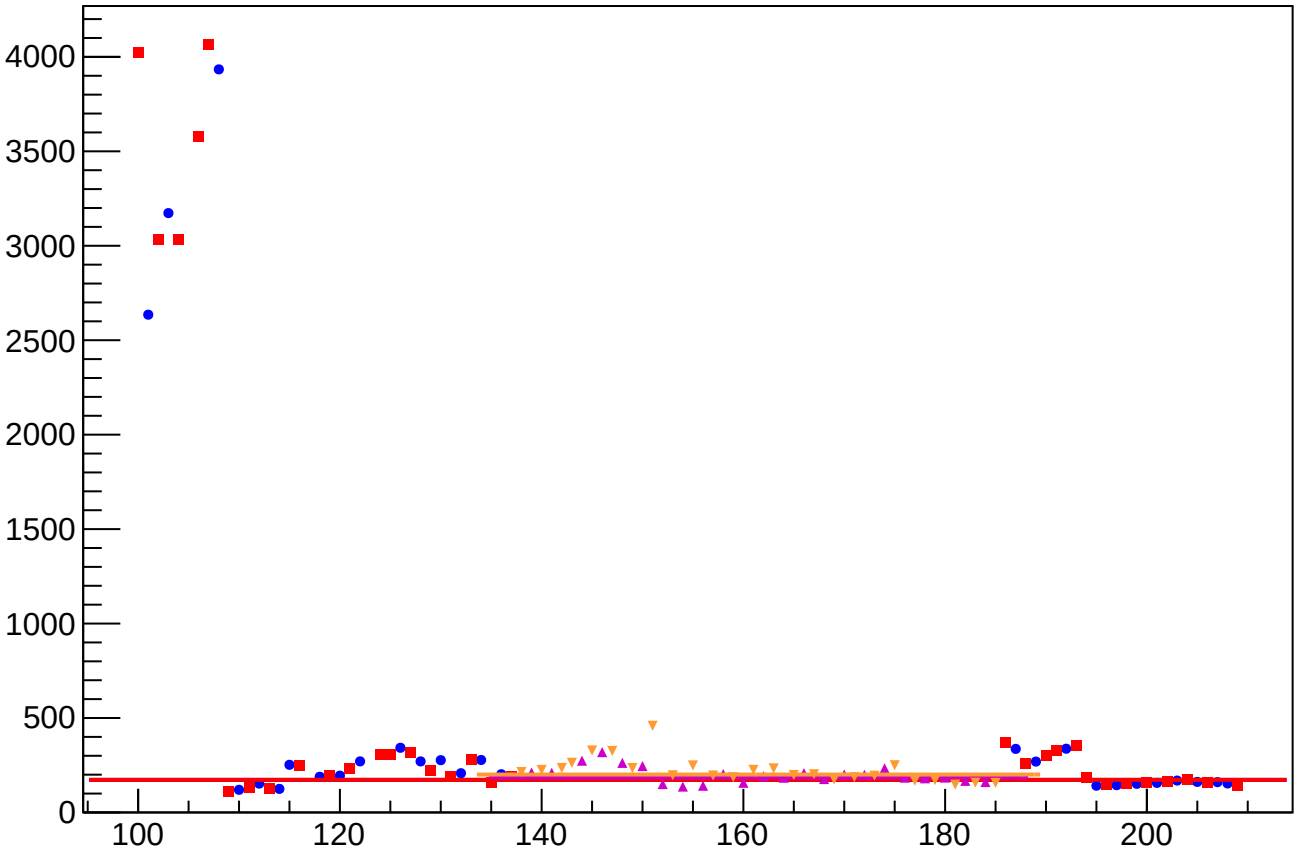
Right Out: 206.226+/-46.375 χ^2/NDF: 23.7/31

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -42.208+/-33.495 χ^2/NDF: 70.3/51

All: -0.962+/-23.285 χ^2/NDF: 131.2/106

- sign 37.616+/-32.394 χ^2/NDF: 57.9/54



Right In: 172.359+/-0.034 χ^2/NDF: 4838093.6/26

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

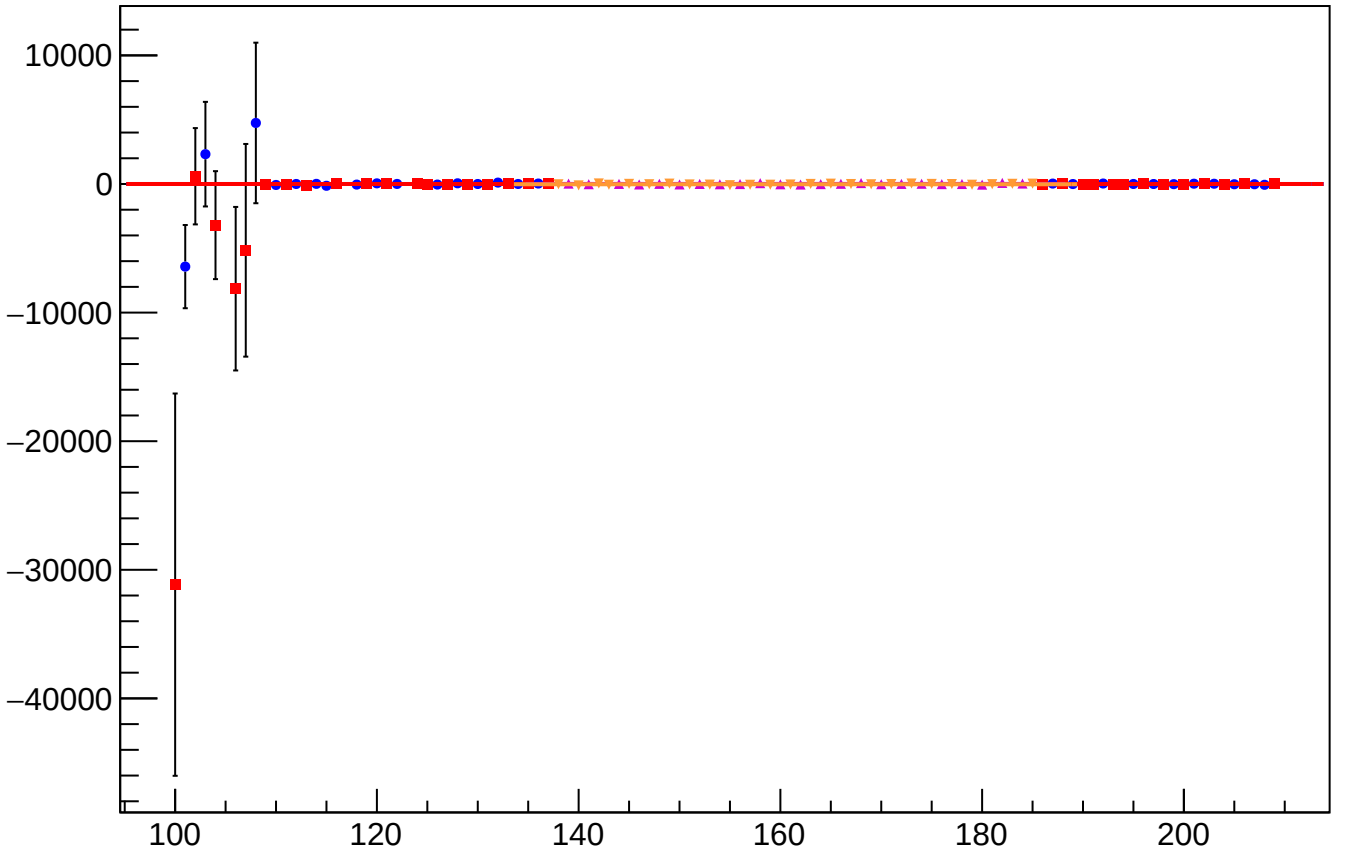
Right Out: 172.633+/-0.033 χ^2/NDF: 5531042.8/31

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 186.564+/-0.024 χ^2/NDF: 7075786.9/51

All: 182.947+/-0.016 χ^2/NDF: 14152587.8/10

- sign 179.565+/-0.023 χ^2/NDF: 7031676.6/54



Right In: 0.399+/-8.852 χ^2/NDF: 23.4/26

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -0.206+/-8.563 χ^2/NDF: 33.7/31

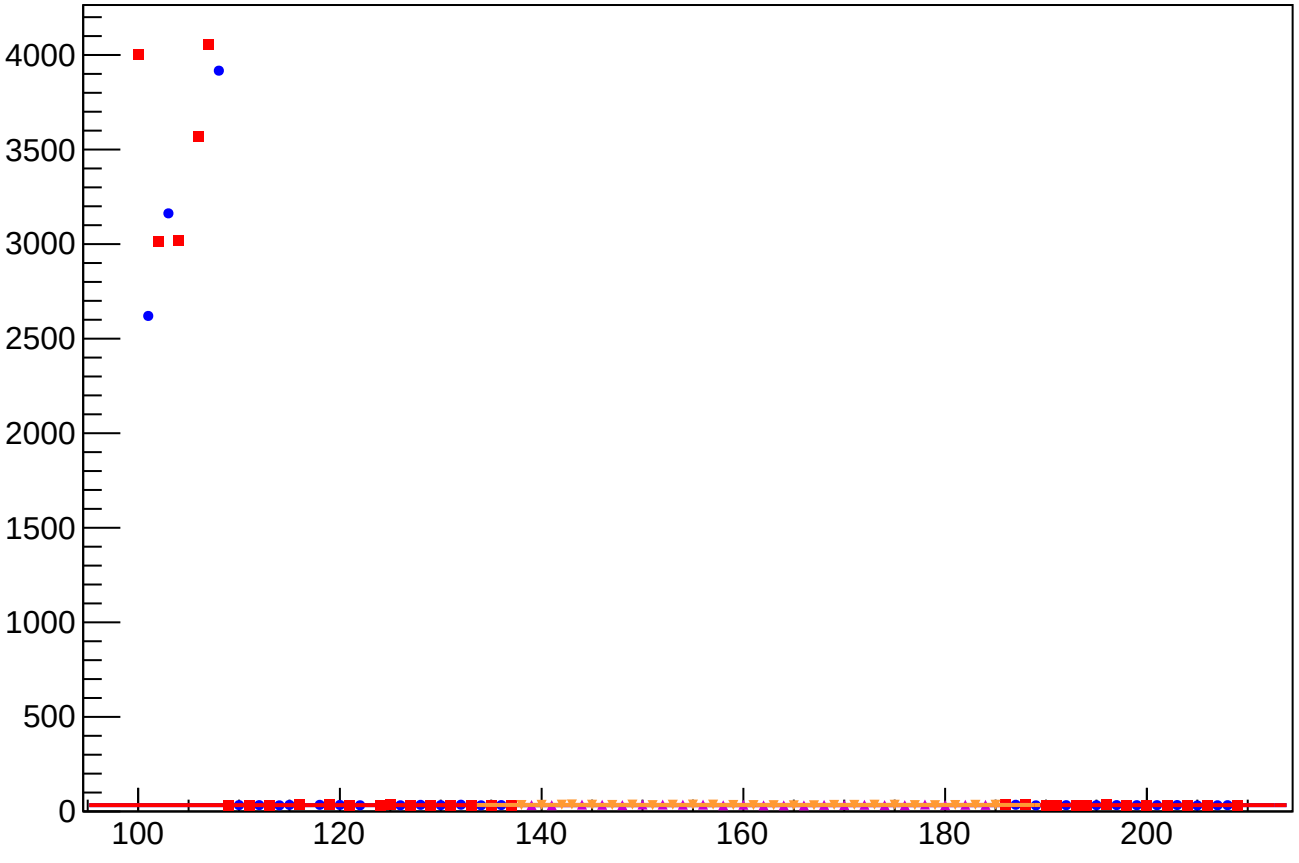
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -11.727+/-5.867 χ^2/NDF: 49.7/51

All: -4.860+/-4.153 χ^2/NDF: 105.2/106

- sign 2.033+/-5.878 χ^2/NDF: 52.8/54

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.361+/-0.006 χ^2/NDF: 3255713.3/26

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

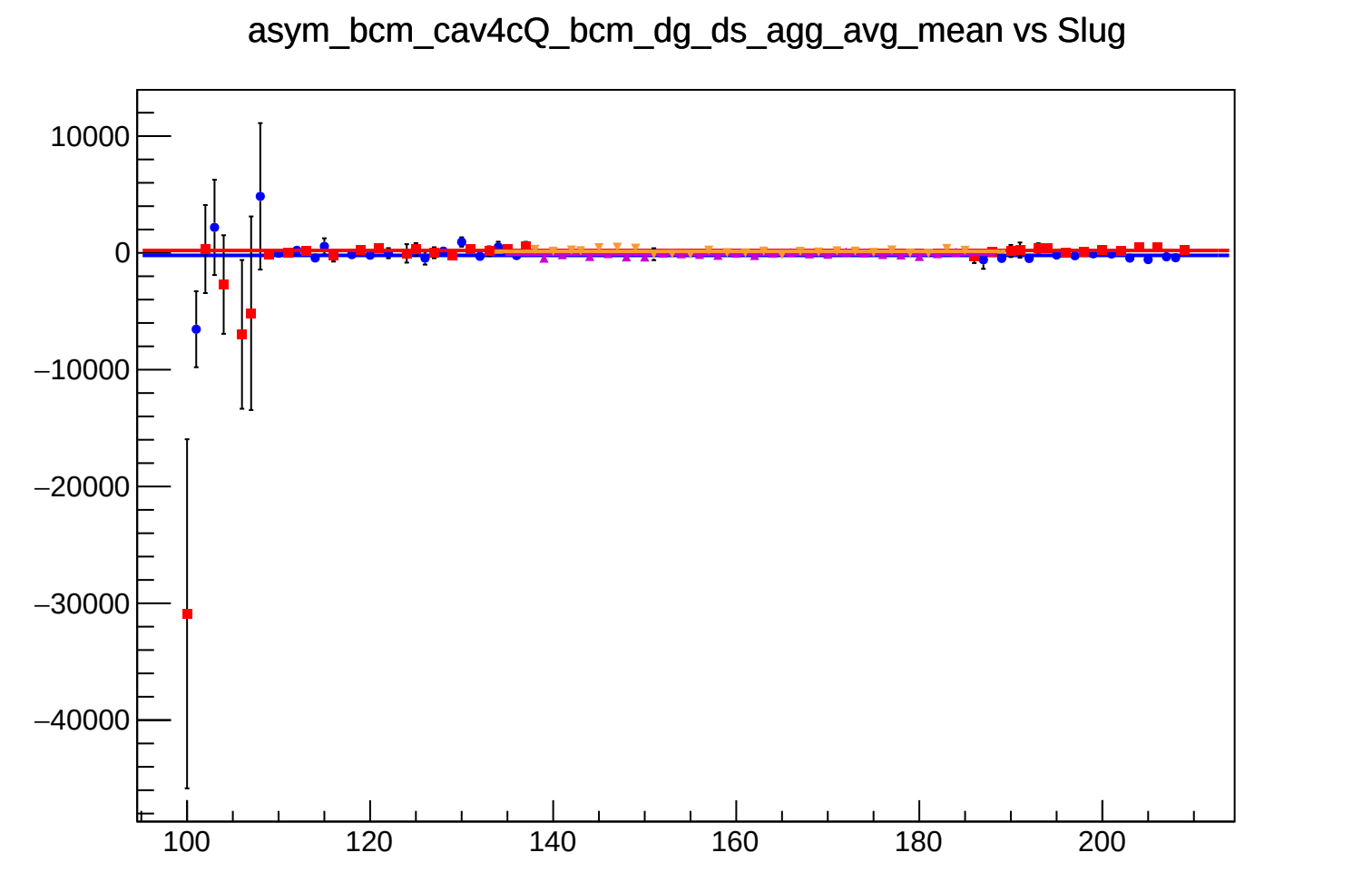
Right Out: 33.424+/-0.006 χ^2/NDF: 3545709.3/31

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

\+ sign 33.965+/-0.004 χ^2/NDF: 3317003.9/51

All: 33.993+/-0.003 χ^2/NDF: 6940424.8/106

\- sign 34.021+/-0.004 χ^2/NDF: 3623332.6/54



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

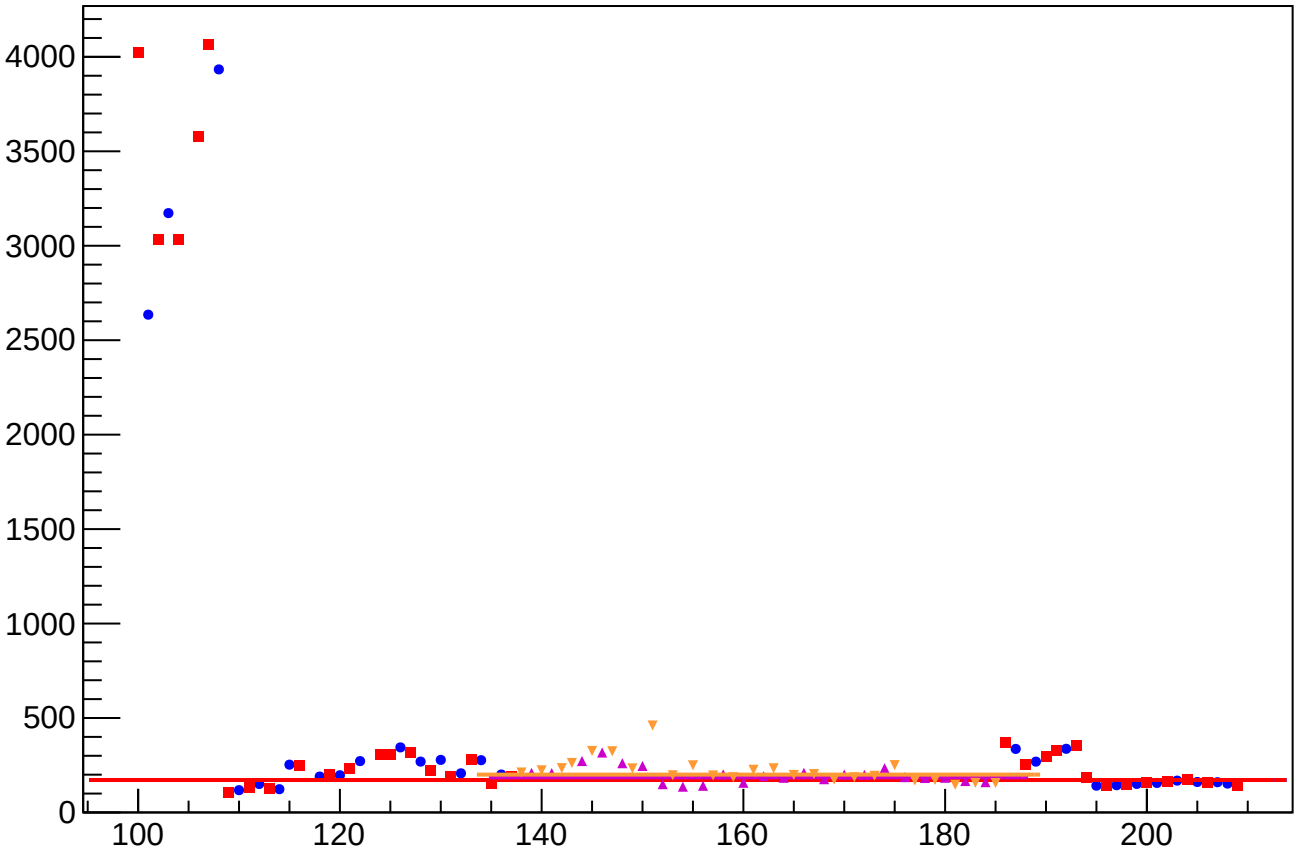
Right Out: 208.157+/-46.203 χ^2/NDF: 23.4/31

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign -42.606+/-33.417 χ^2/NDF: 71.7/51

All: -0.409+/-23.228 χ^2/NDF: 132.3/106

\- sign 39.039+/-32.309 χ^2/NDF: 57.6/54



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

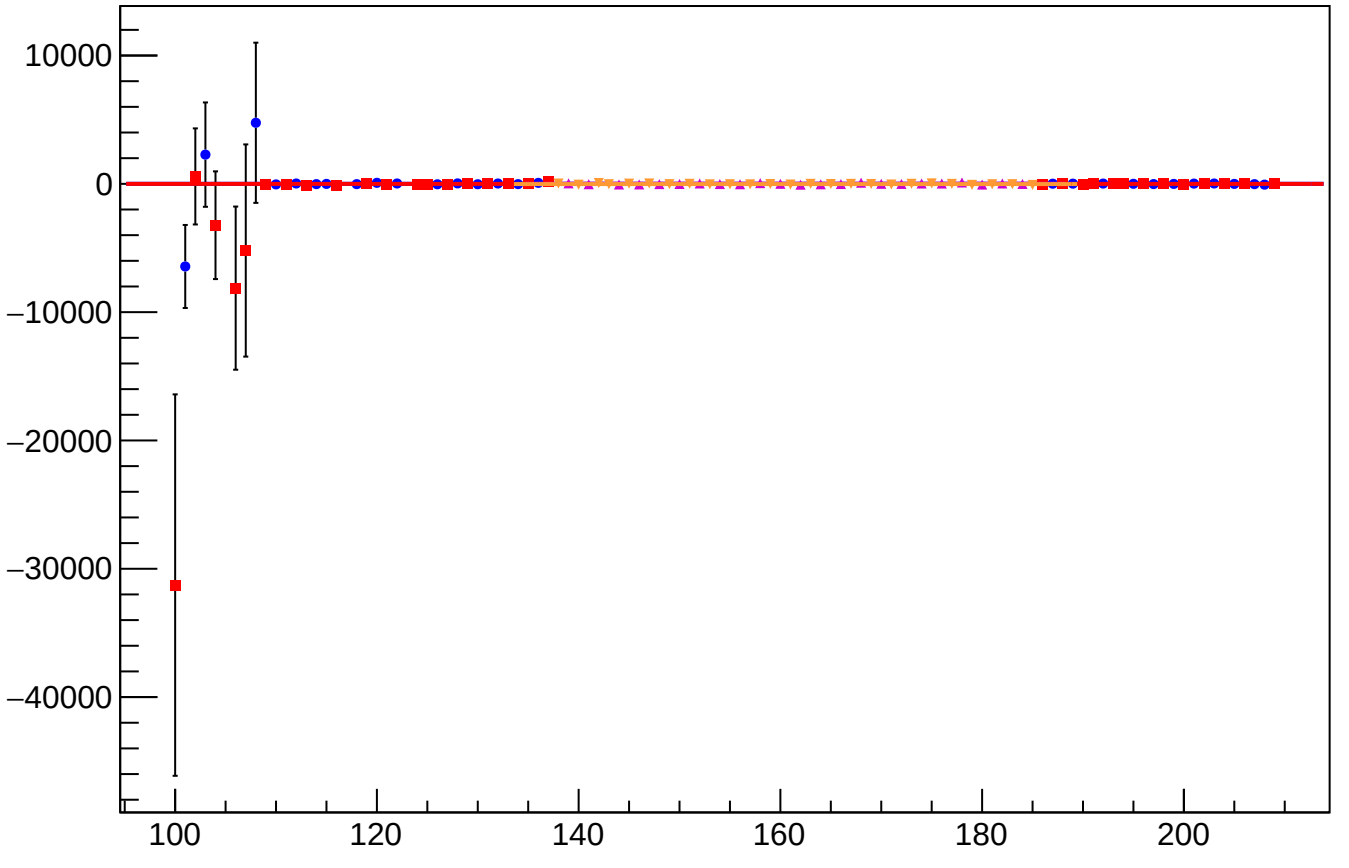
Right Out: 171.830+/-0.033 χ^2/NDF: 5581473.8/31

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 186.060+/-0.024 χ^2/NDF: 7111718.2/51

All: 182.414+/-0.016 χ^2/NDF: 14239172.6/10

- sign 179.005+/-0.023 χ^2/NDF: 7081382.9/54



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -3.449+/-7.753 χ^2/NDF: 40.4/31

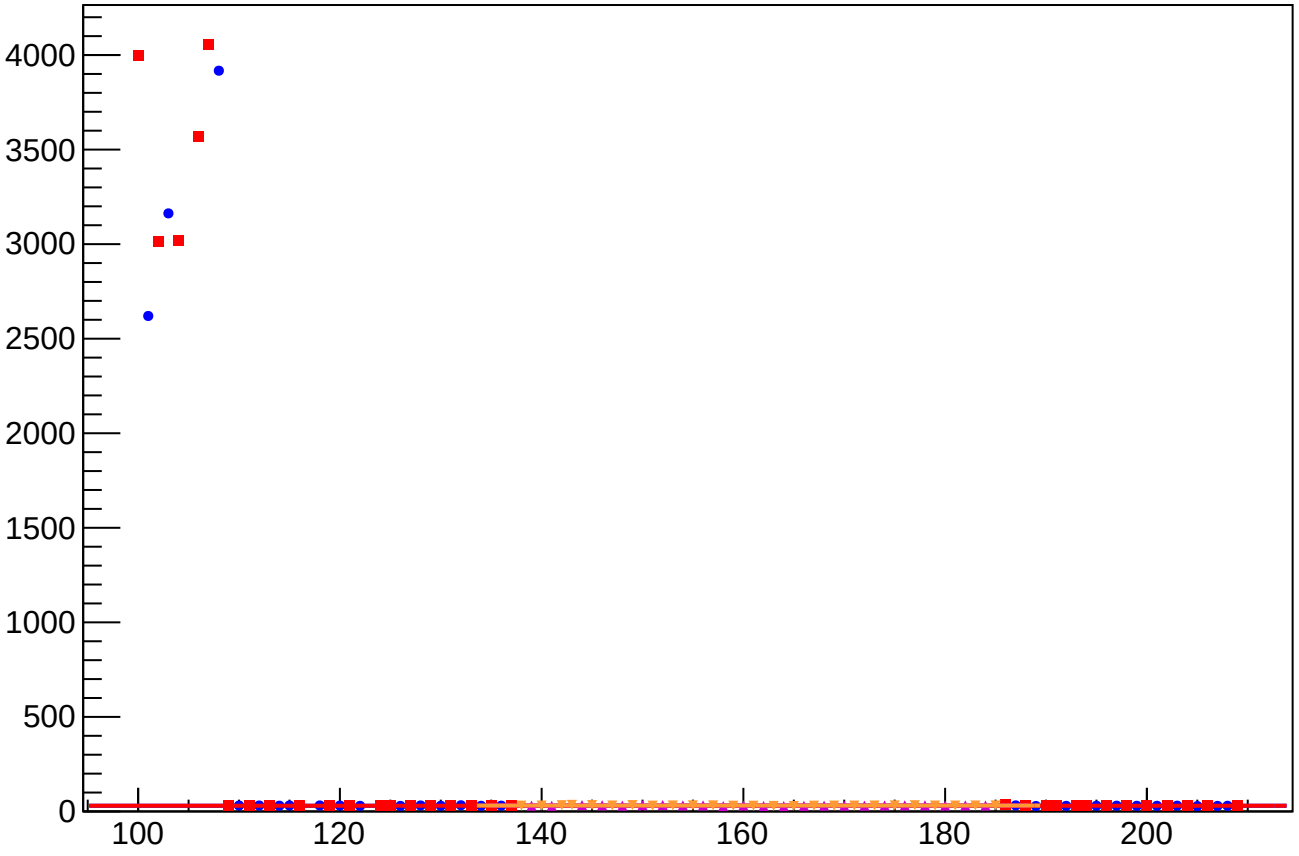
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

\+ sign -8.868+/-5.330 χ^2/NDF: 47.2/51

All: -4.540+/-3.770 χ^2/NDF: 124.8/106

\- sign -0.205+/-5.333 χ^2/NDF: 76.2/54

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.240+/-0.005 χ^2/NDF: 3564538.3/31

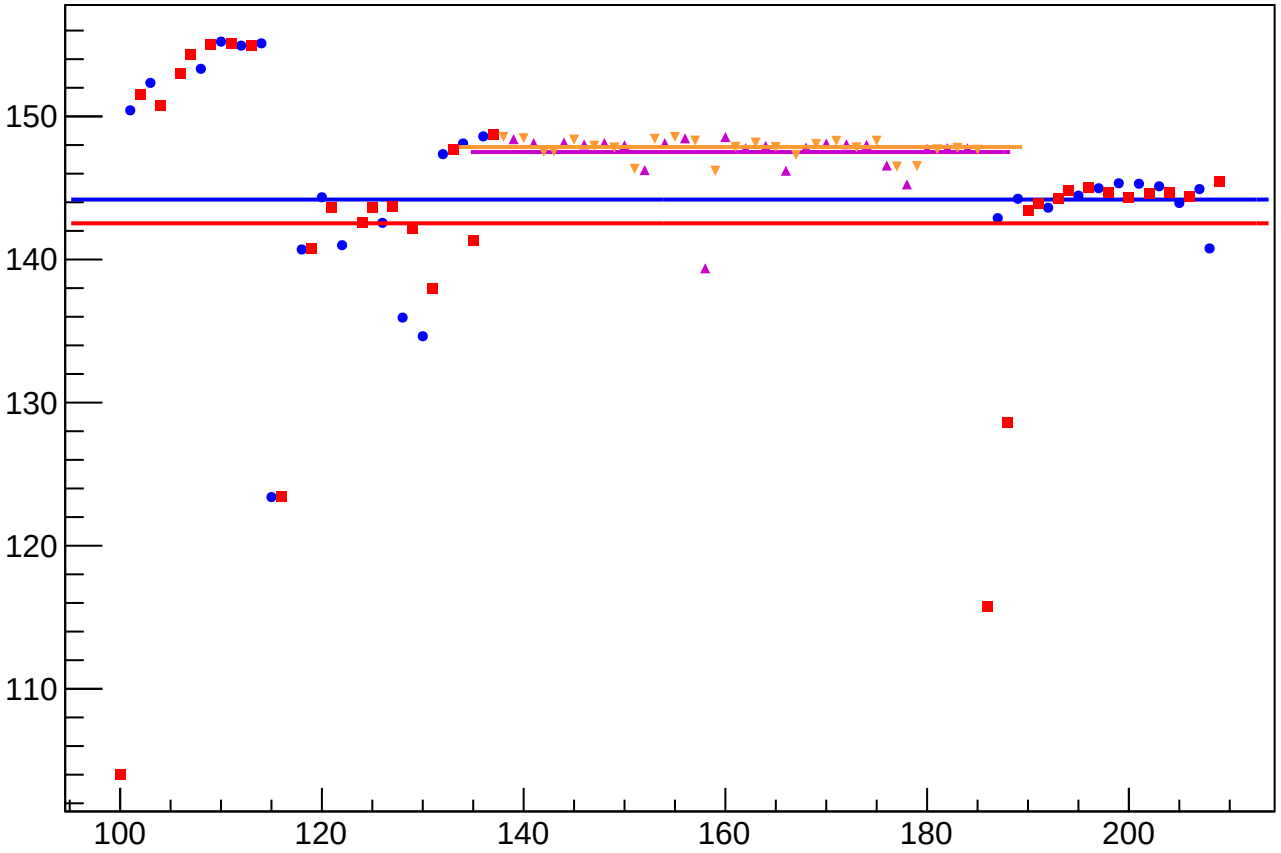
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.832+/-0.004 χ^2/NDF: 3359546.5/51

All: 30.836+/-0.003 χ^2/NDF: 7032081.9/106

- sign 30.840+/-0.004 χ^2/NDF: 3672533.1/54

yield_bcm_target_mean vs Slug



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.531+/-0.000 χ^2/NDF: 7568555875.0/31

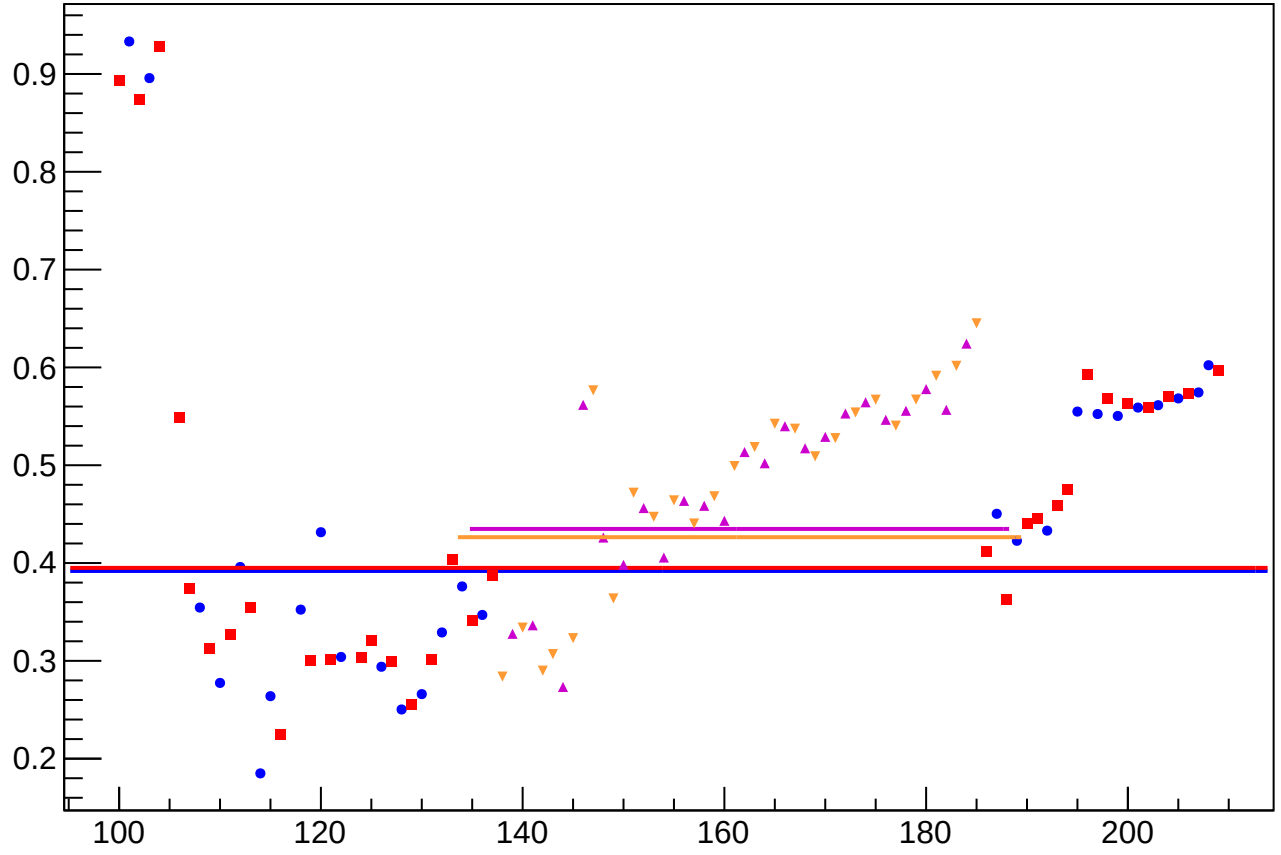
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.134+/-0.000 χ^2/NDF: 4428776829.2/51

All: 145.542+/-0.000 χ^2/NDF: 1356938260

- sign 144.951+/-0.000 χ^2/NDF: 9012247687.7/54

yield_bcm_target_rms vs Slug



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

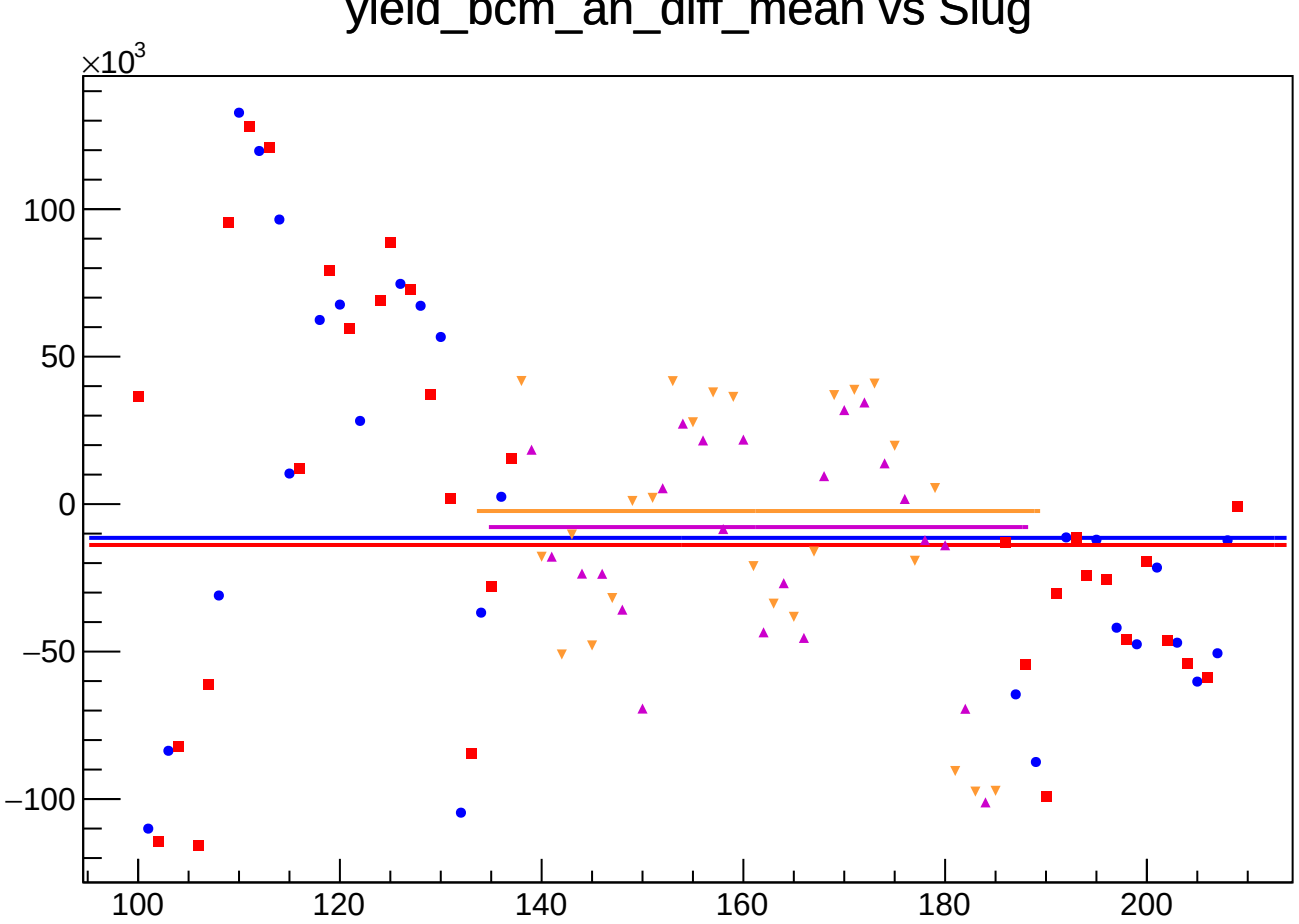
Right Out: 0.395+/-0.000 χ^2/NDF: 3081510.6/31

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.410+/-0.000 χ^2/NDF: 5591004.7/51

All: 0.412+/-0.000 χ^2/NDF: 10596189.7/106

- sign 0.414+/-0.000 χ^2/NDF: 5001890.5/54



Right In: -11444.460+/-1.380 χ^2/NDF: 1936397733.9/26

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -13858.374+/-1.290 χ^2/NDF: 2392530282.5/31

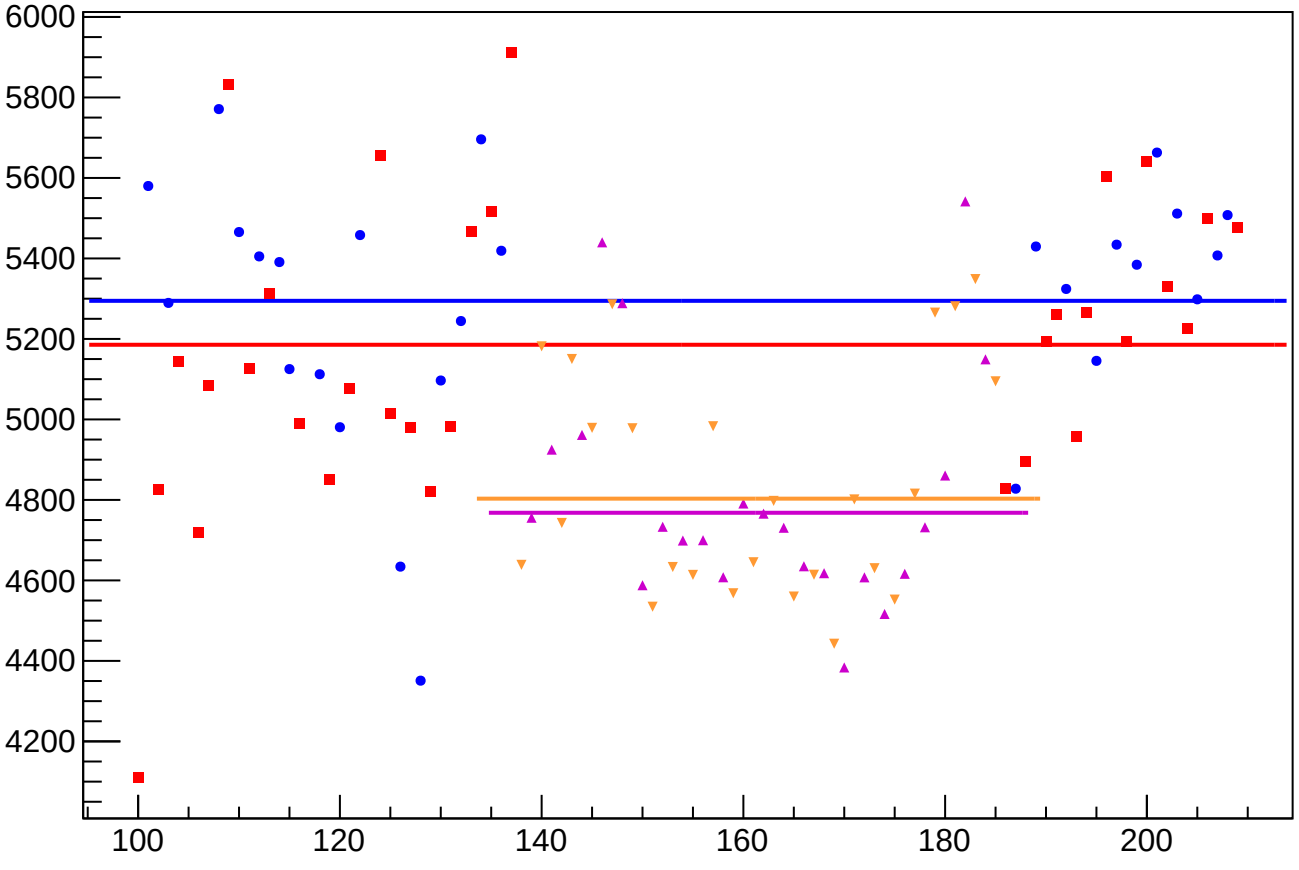
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -5970.533+/-0.871 χ^2/NDF: 3192575811.8/5

All: -8255.808+/-0.611 χ^2/NDF: 6373521224

- sign -10462.336+/-0.856 χ^2/NDF: 3167420894.2/5

yield_bcm_an_diff_rms vs Slug



Right In: 5294.671+/-0.976 χ^2/NDF: 100819.9/26

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

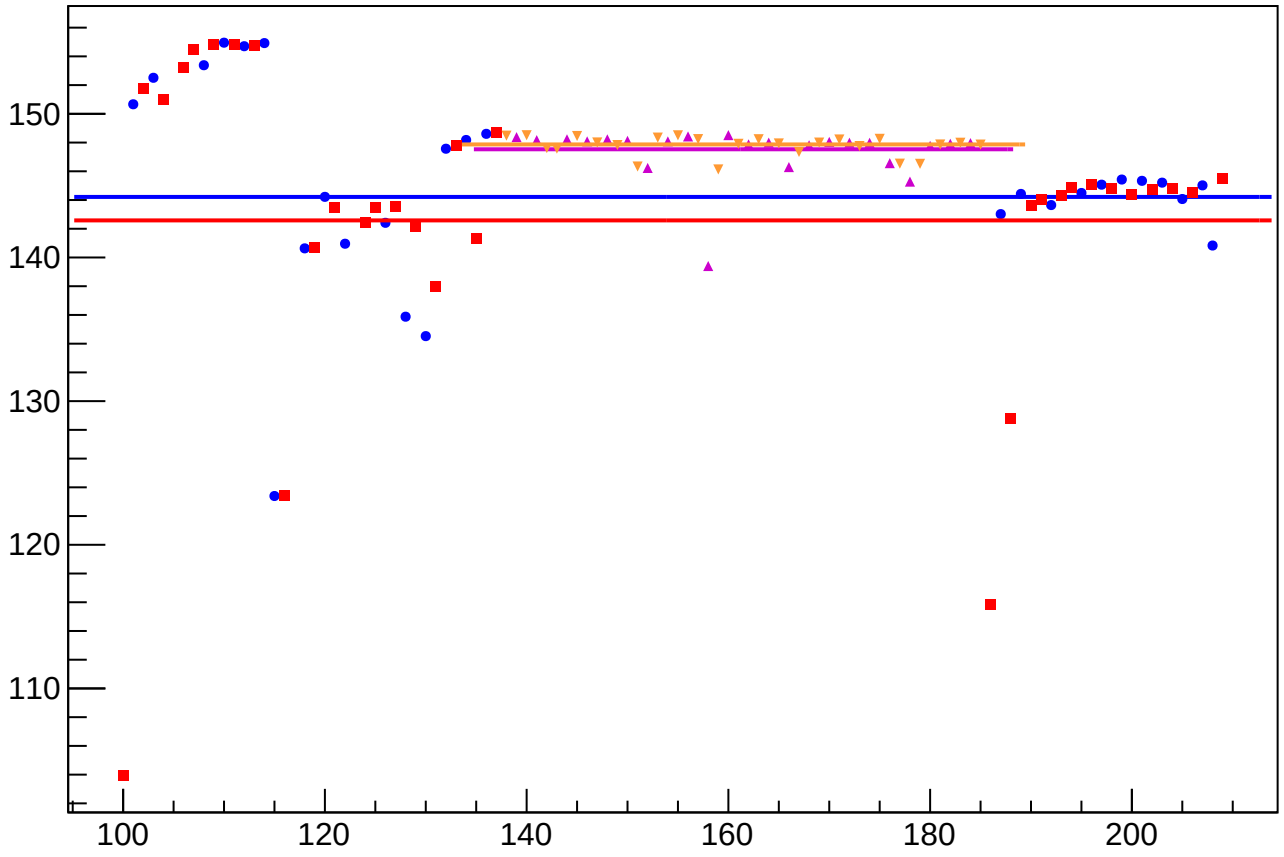
Right Out: 5185.509+/-0.912 χ^2/NDF: 108925.4/31

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4998.985+/-0.616 χ^2/NDF: 368097.6/51

All: 4975.068+/-0.432 χ^2/NDF: 699560.6/106

- sign 4951.974+/-0.605 χ^2/NDF: 328500.2/54



Right In: 144.216+/-0.000 χ^2/NDF: 3808371697.0/26

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

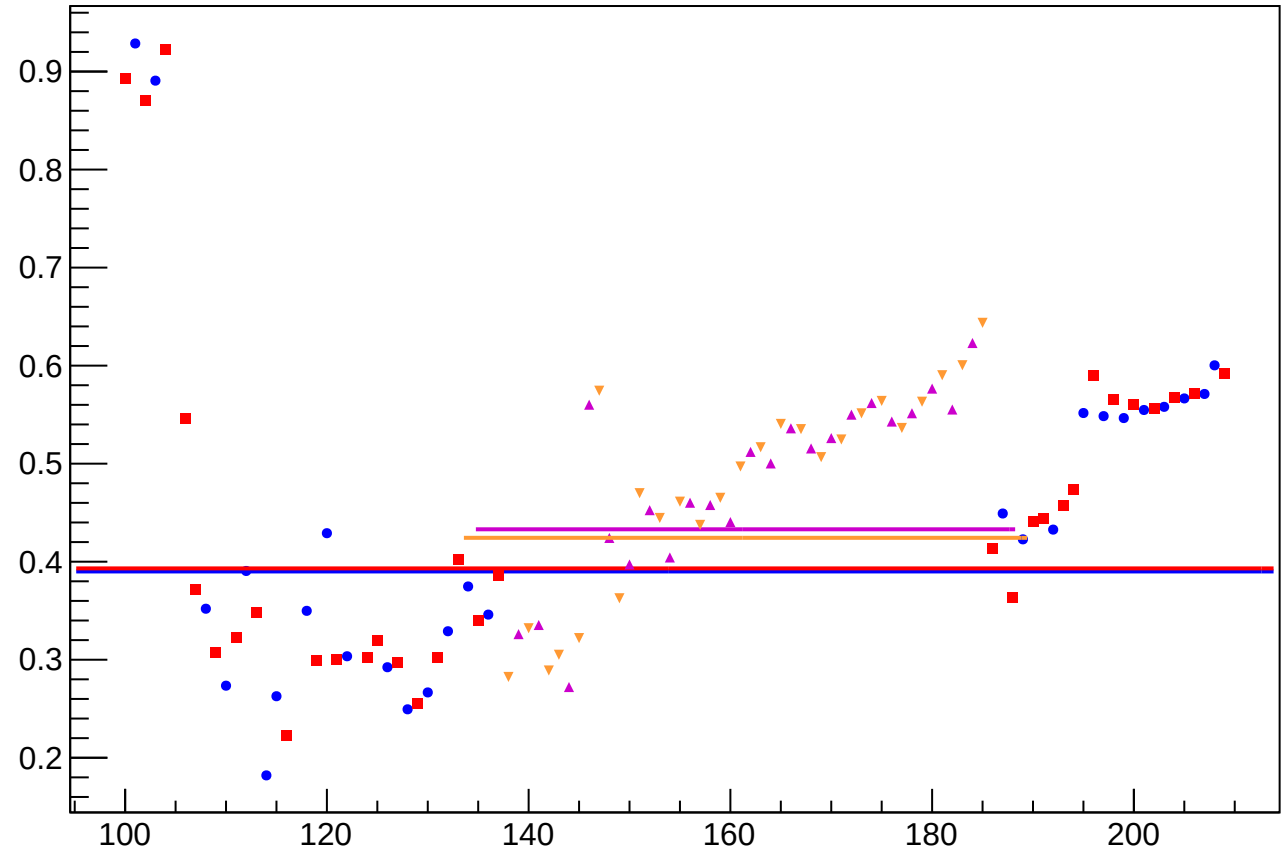
Right Out: 142.582+/-0.000 χ^2/NDF: 7544207735.7/31

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.149+/-0.000 χ^2/NDF: 4468890583.4/51

All: 145.568+/-0.000 χ^2/NDF: 13578859109.

- sign 144.986+/-0.000 χ^2/NDF: 8984792698.1/54



Right In: 0.390+/-0.000 χ^2/NDF: 3221544.3/26

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

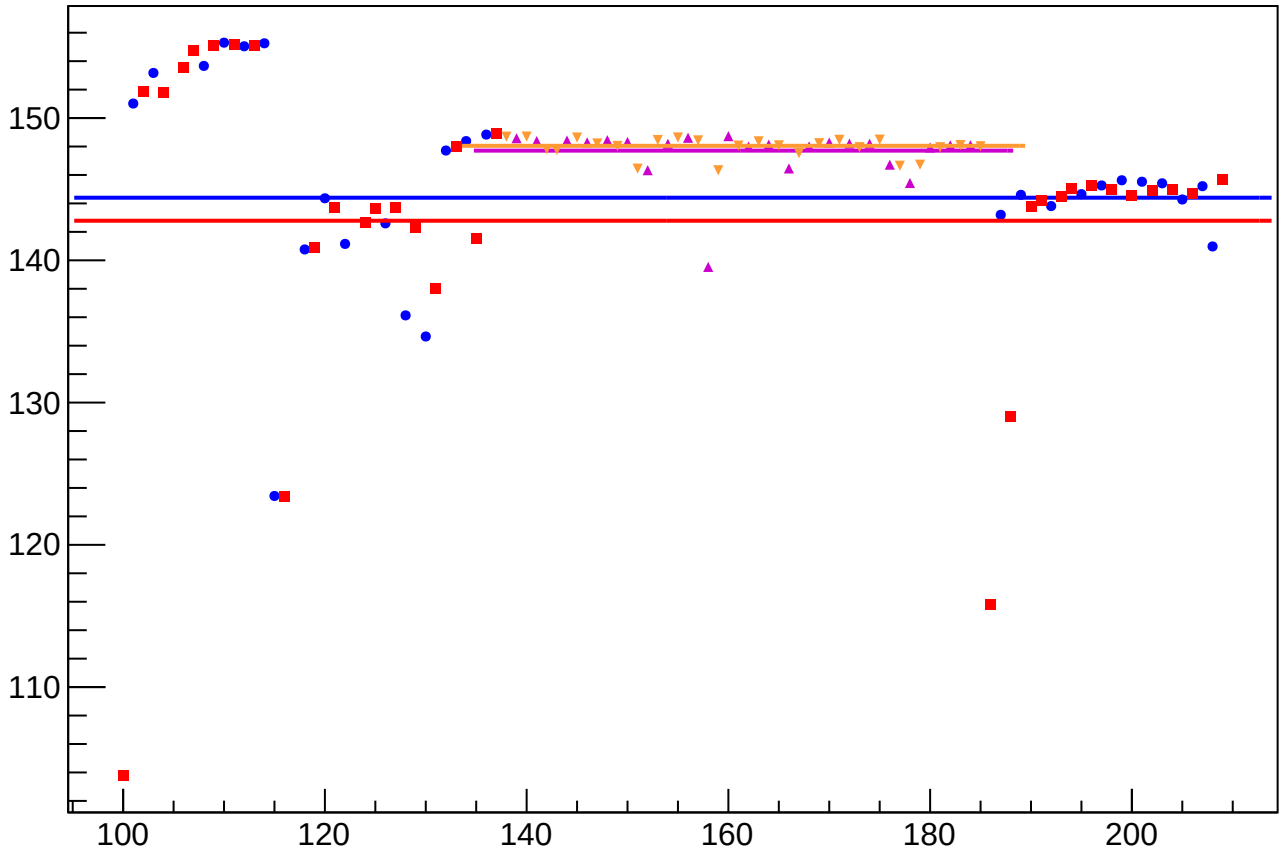
Right Out: 0.393+/-0.000 χ^2/NDF: 3087452.5/31

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.408+/-0.000 χ^2/NDF: 5590833.8/51

All: 0.410+/-0.000 χ^2/NDF: 10600090.3/106

- sign 0.413+/-0.000 χ^2/NDF: 5005781.8/54



Right In: 144.402+/-0.000 χ^2/NDF: 3802770847.5/26

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.783+/-0.000 χ^2/NDF: 7478604126.8/31

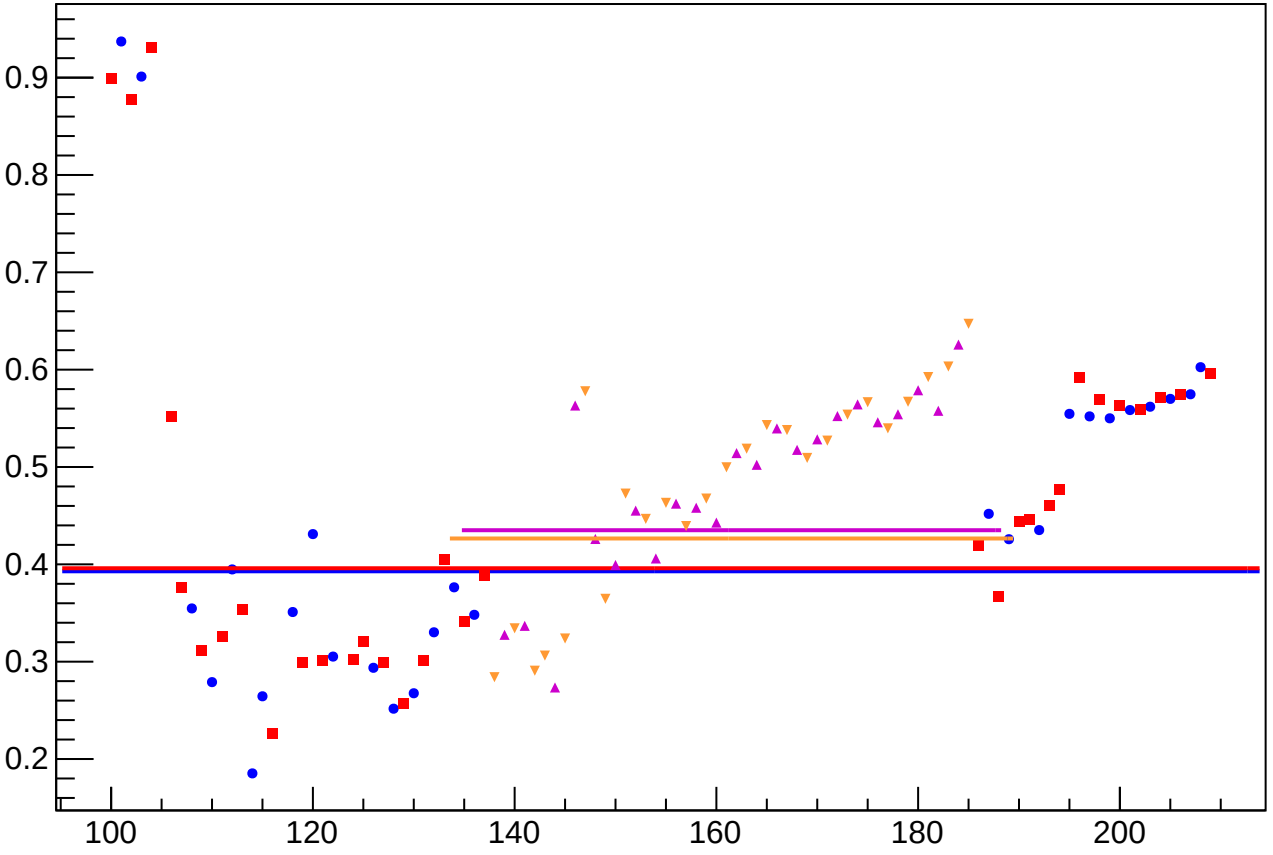
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.335+/-0.000 χ^2/NDF: 4454151706.1/51

All: 145.758+/-0.000 χ^2/NDF: 13476482023.

- sign 145.182+/-0.000 χ^2/NDF: 8900776619.2/54

yield_bcm_an_ds3_rms vs Slug



Right In: 0.393+/-0.000 χ^2/NDF: 3208405.4/26

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.396+/-0.000 χ^2/NDF: 3080977.2/31

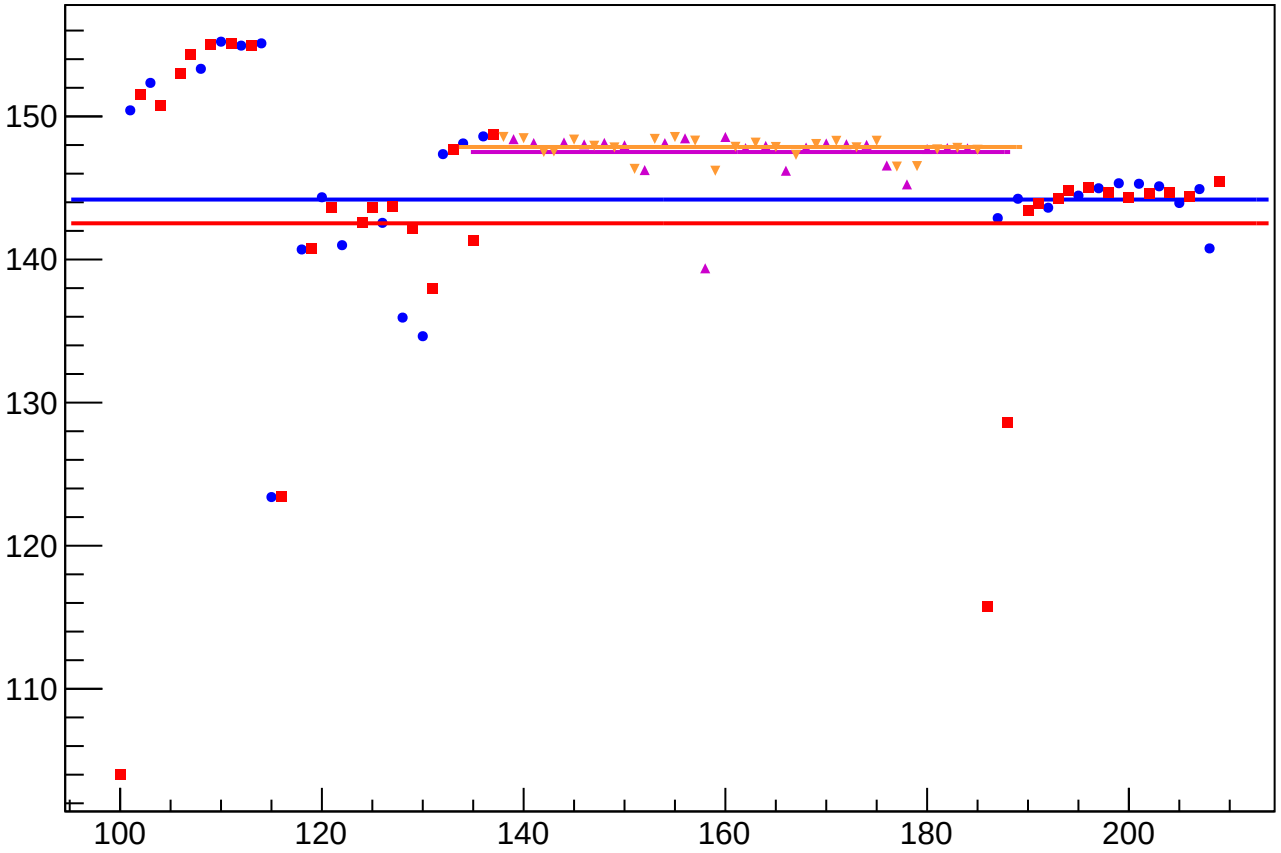
Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.411+/-0.000 χ^2/NDF: 5569415.3/51

All: 0.413+/-0.000 χ^2/NDF: 10563149.6/106

- sign 0.415+/-0.000 χ^2/NDF: 4990367.2/54

yield_bcm_an_us_mean vs Slug



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

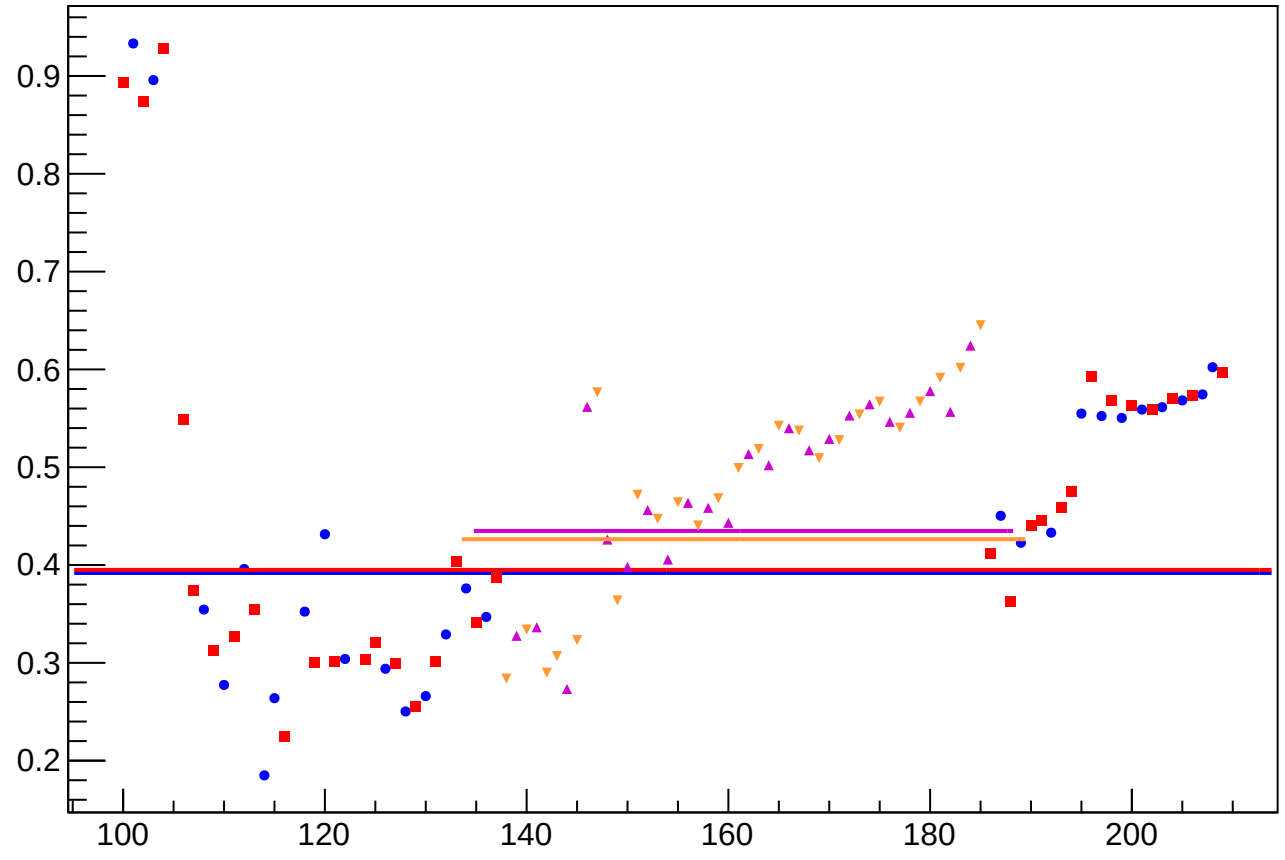
Right Out: 142.531+/-0.000 χ^2/NDF: 7568555875.0/31

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.134+/-0.000 χ^2/NDF: 4428776829.2/51

All: 145.542+/-0.000 χ^2/NDF: 1356938260

- sign 144.951+/-0.000 χ^2/NDF: 9012247687.7/54



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

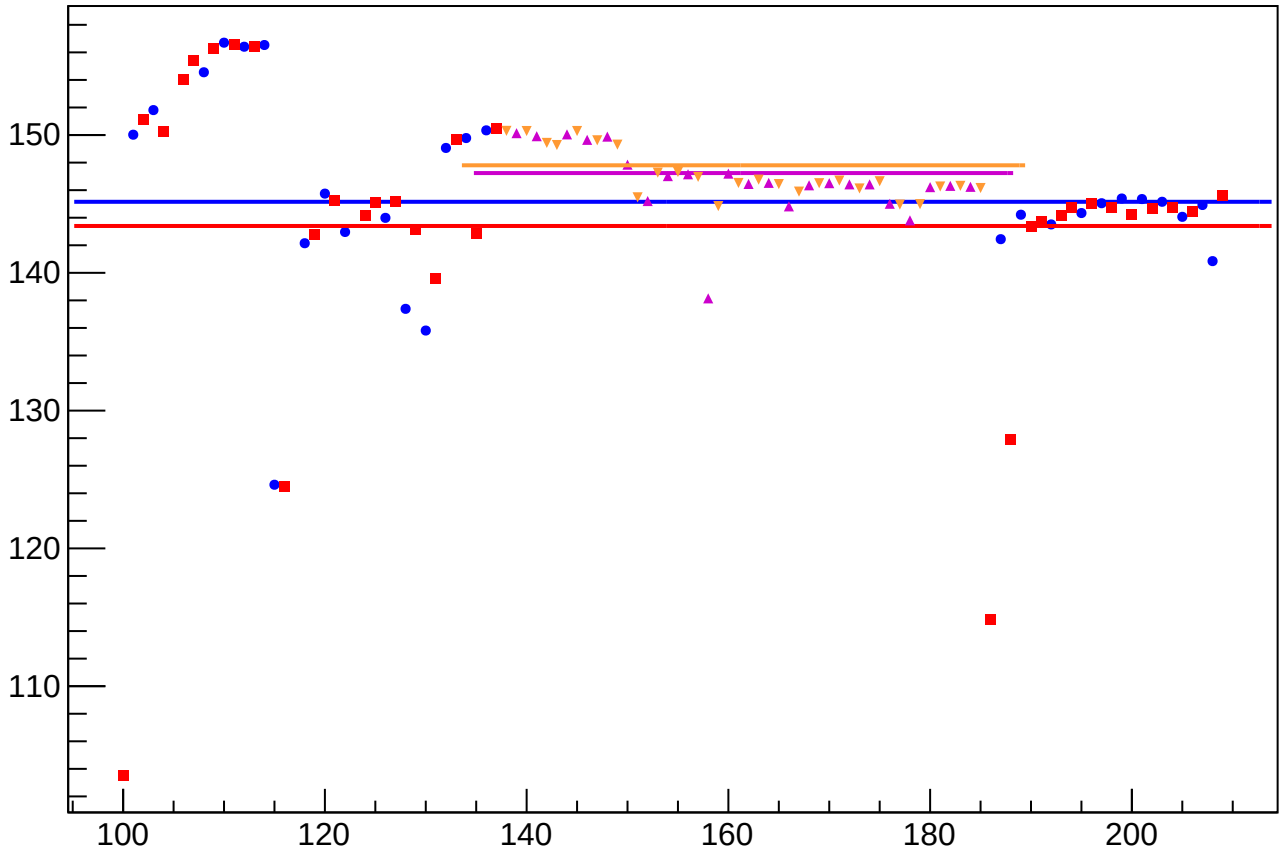
Right Out: 0.395+/-0.000 χ^2/NDF: 3081510.6/31

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.410+/-0.000 χ^2/NDF: 5591004.7/51

All: 0.412+/-0.000 χ^2/NDF: 10596189.7/106

- sign 0.414+/-0.000 χ^2/NDF: 5001890.5/54



Right In: 145.156+/-0.000 χ^2/NDF: 3561315126.8/26

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.401+/-0.000 χ^2/NDF: 7625969267.2/31

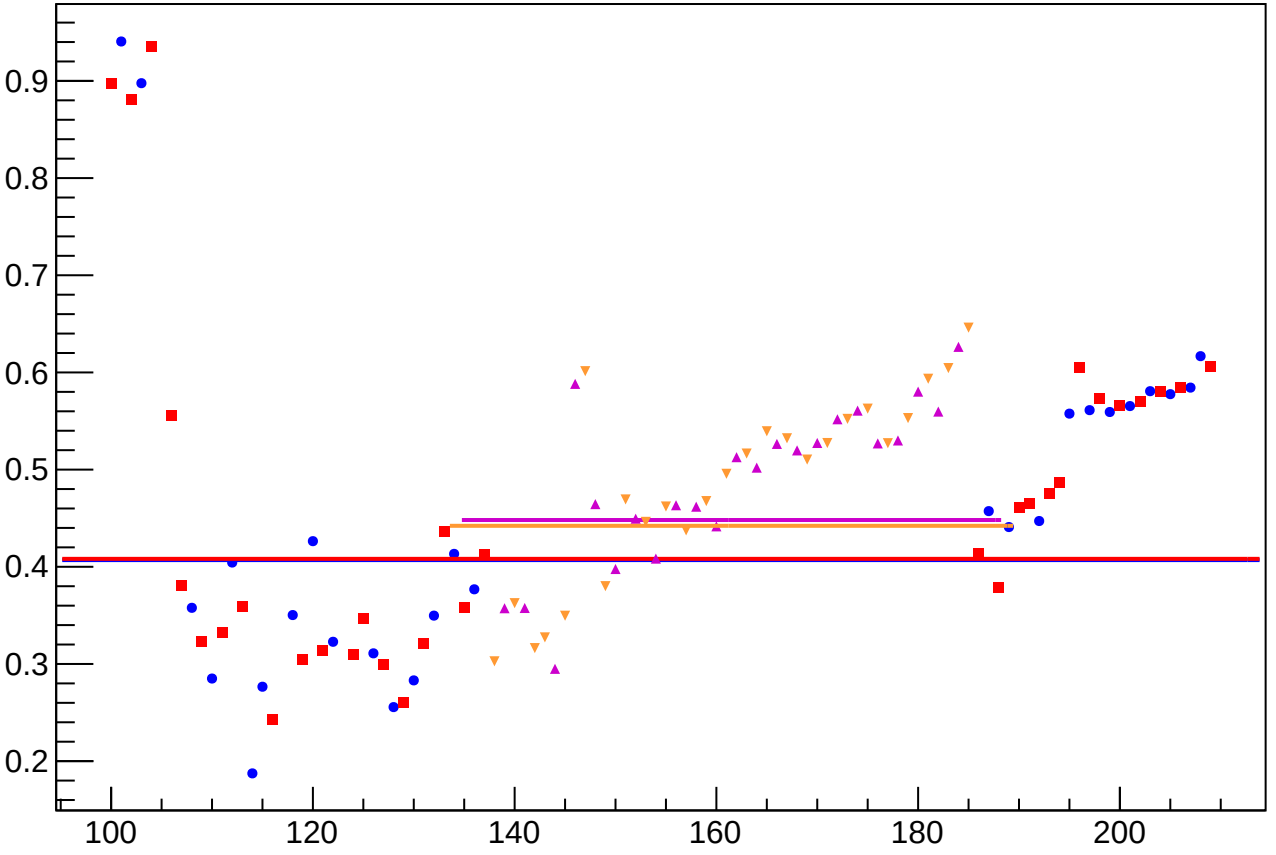
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.565+/-0.000 χ^2/NDF: 4188524096.4/51

All: 145.920+/-0.000 χ^2/NDF: 13215057749.

- sign 145.282+/-0.000 χ^2/NDF: 8884320224.1/54

yield_bcm_dg_us_rms vs Slug



Right In: 0.407+/-0.000 χ^2/NDF: 3053769.1/26

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

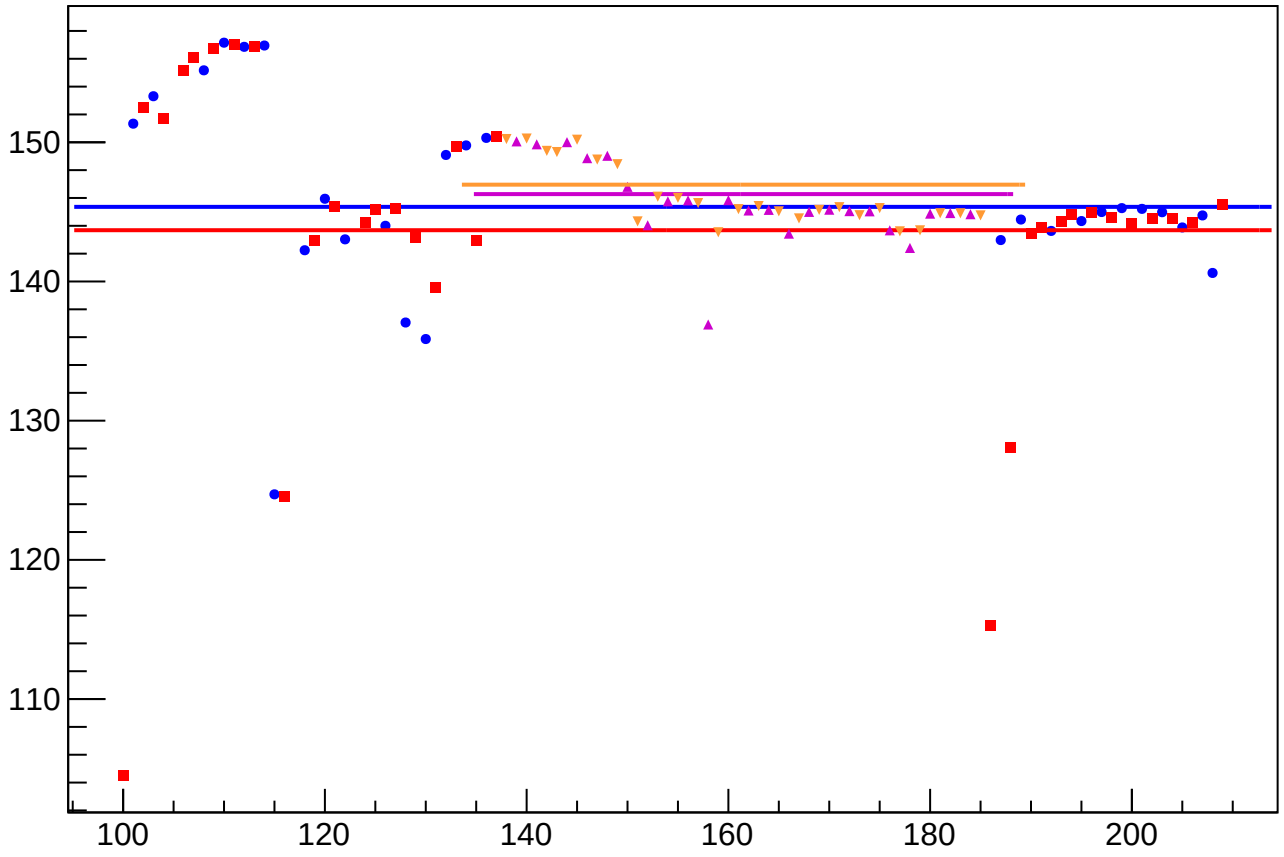
Right Out: 0.408+/-0.000 χ^2/NDF: 2938177.6/31

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.426+/-0.000 χ^2/NDF: 4864506.1/51

All: 0.427+/-0.000 χ^2/NDF: 9289811.0/106

- sign 0.428+/-0.000 χ^2/NDF: 4424553.1/54



Right In: 145.361+/-0.000 χ^2/NDF: 3720748036.0/26

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

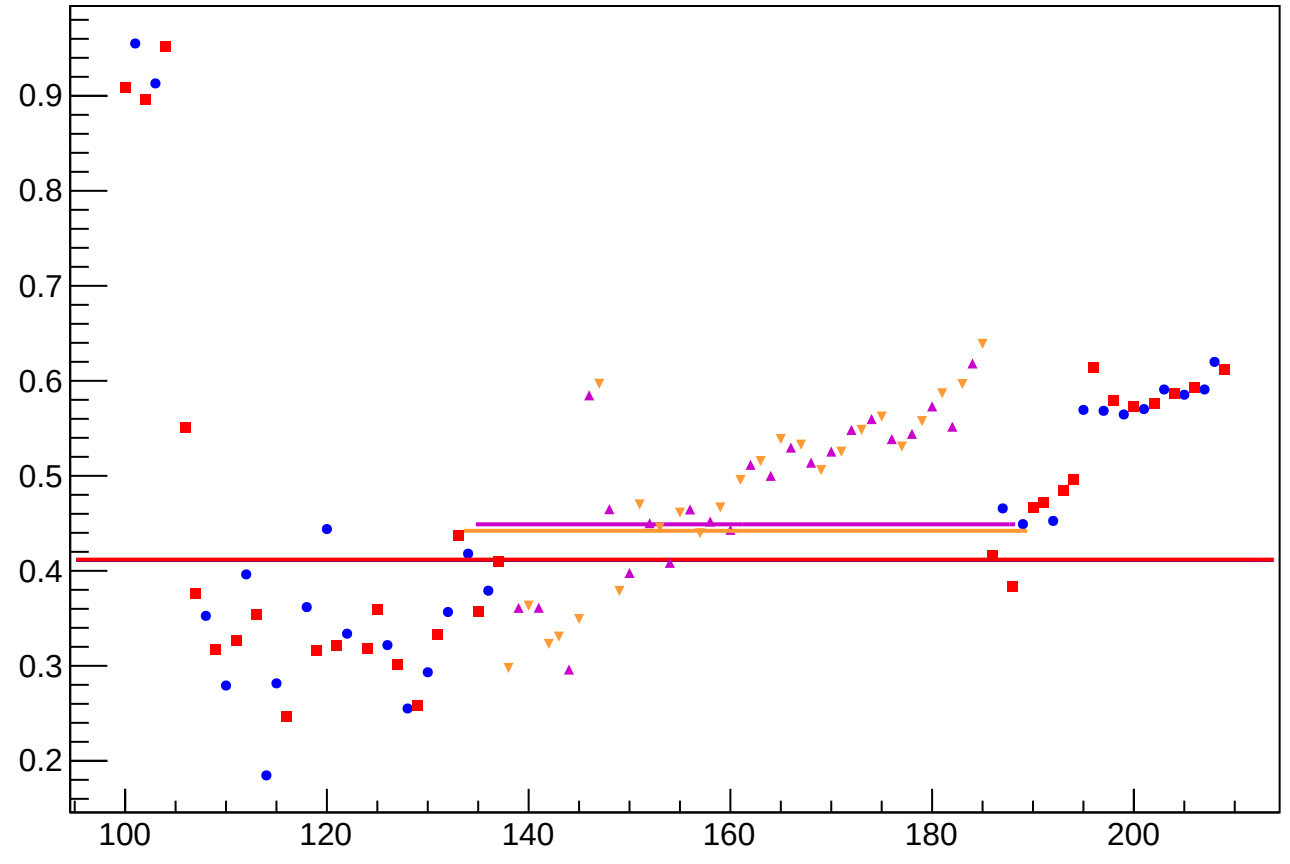
Right Out: 143.684+/-0.000 χ^2/NDF: 7681613570.4/31

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.220+/-0.000 χ^2/NDF: 4370894926.2/51

All: 145.590+/-0.000 χ^2/NDF: 13300295619.

- sign 144.966+/-0.000 χ^2/NDF: 8795244322.5/54



Right In: 0.411+/-0.000 χ^2/NDF: 3087896.6/26

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.412+/-0.000 χ^2/NDF: 2966221.6/31

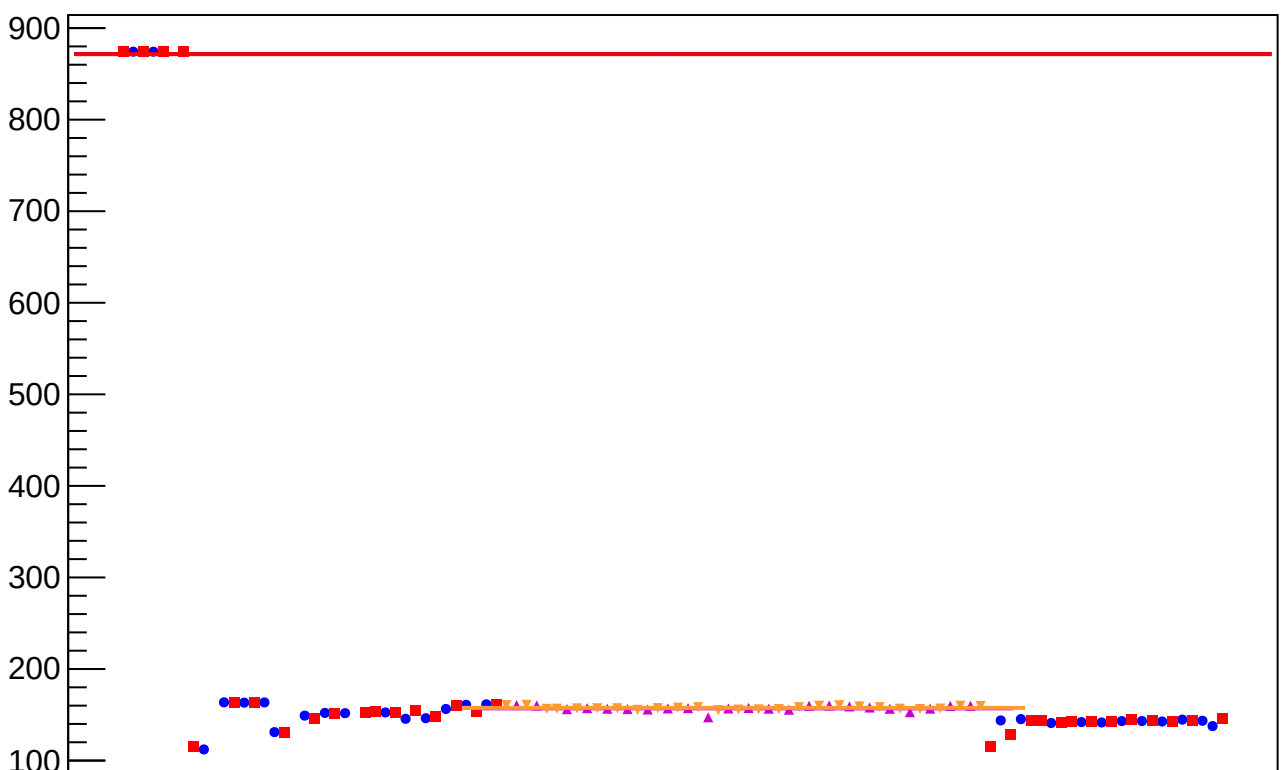
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.428+/-0.000 χ^2/NDF: 4844218.8/51

All: 0.429+/-0.000 χ^2/NDF: 9230380.9/106

- sign 0.430+/-0.000 χ^2/NDF: 4385322.6/54

yield_cav4bQ_mean vs Slug



Right In: 871.729+/-0.000 χ^2/NDF: 12880450454175.3/26

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.548+/-0.000 χ^2/NDF: 15958599515902.6/31

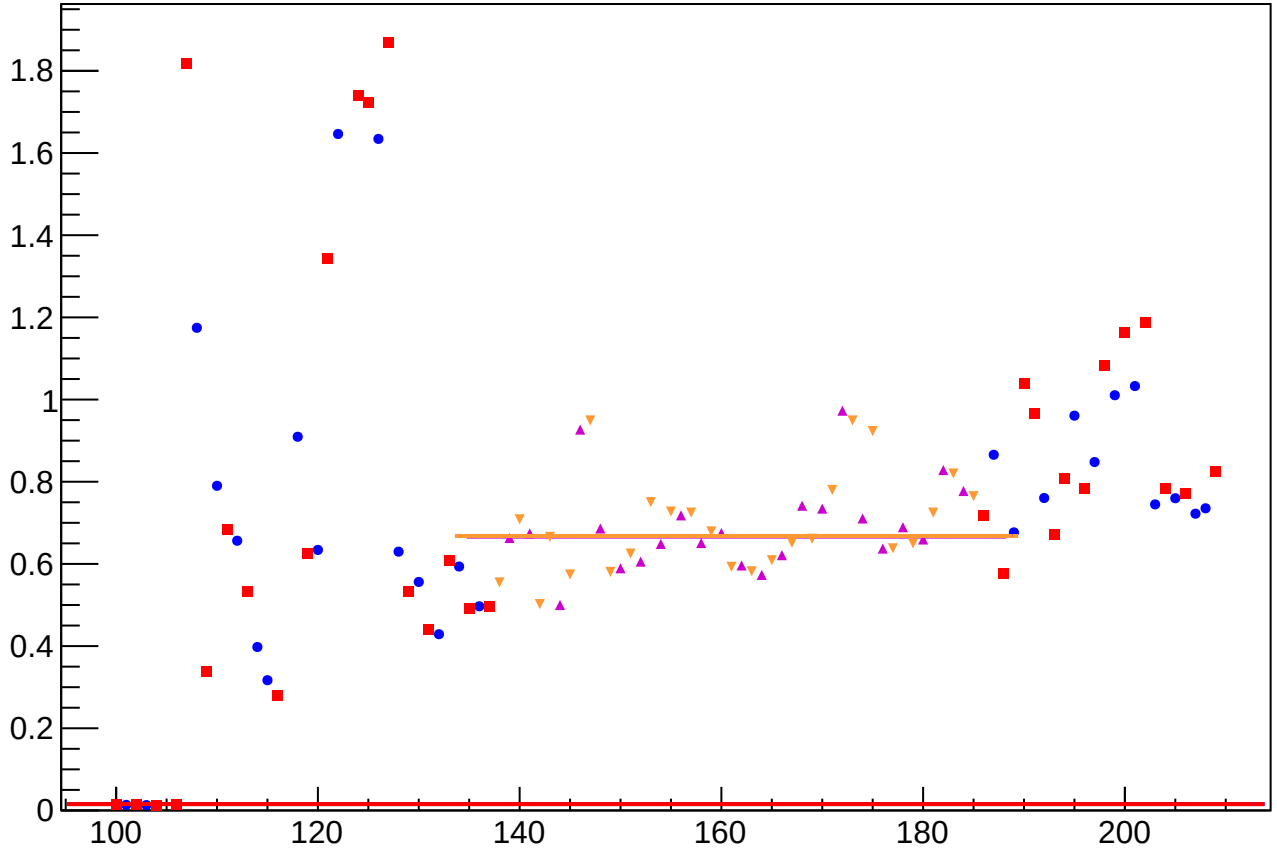
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.354+/-0.000 χ^2/NDF: 30079004380848.

All: 868.562+/-0.000 χ^2/NDF: 625200812885

- sign 868.742+/-0.000 χ^2/NDF: 32440496839480.1

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 22954600.3/26

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

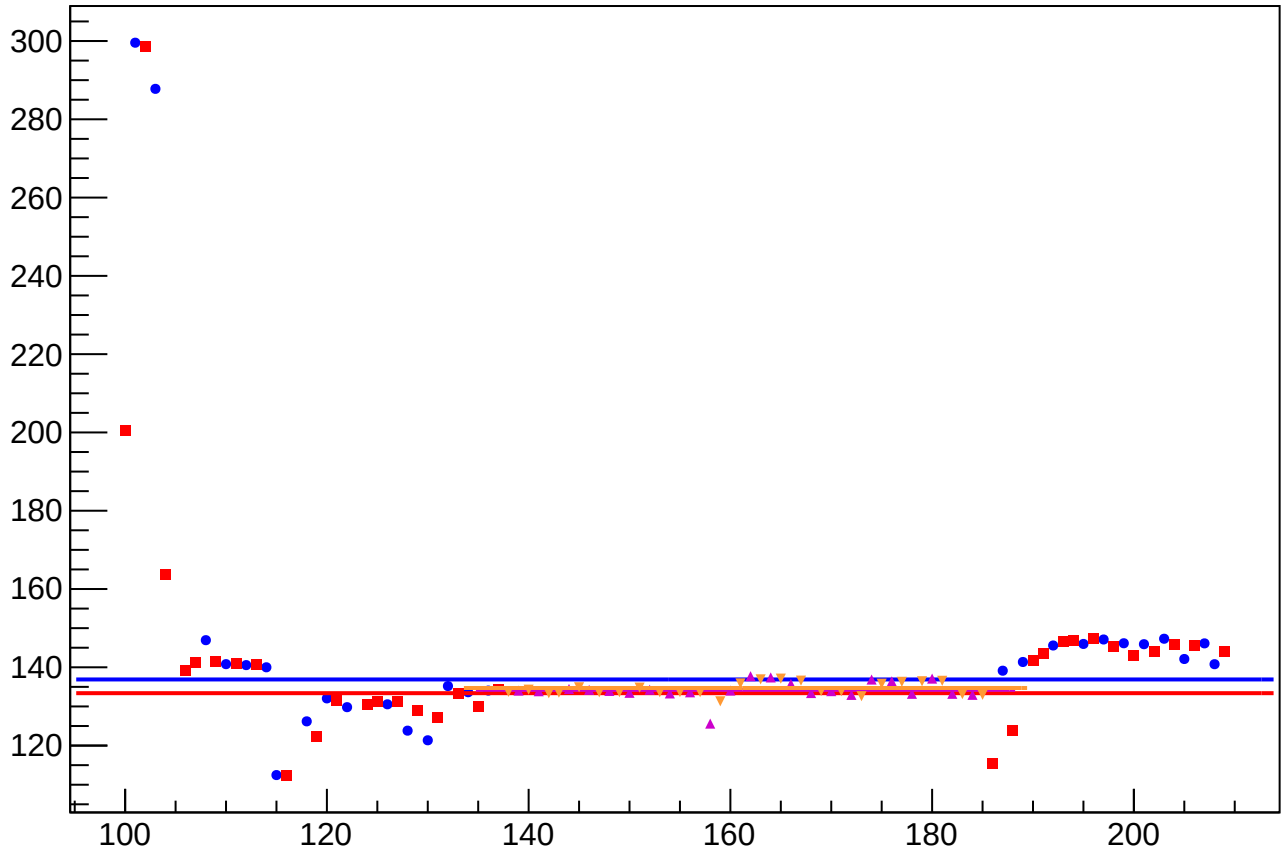
Right Out: 0.015+/-0.000 χ^2/NDF: 25171228.1/31

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 52342828.3/51

All: 0.018+/-0.000 χ^2/NDF: 105418368.7/106

- sign 0.018+/-0.000 χ^2/NDF: 53072253.3/54



Right In: 136.894+/-0.000 χ^2/NDF: 3477891474.5/26

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 133.389+/-0.000 χ^2/NDF: 5159150888.7/31

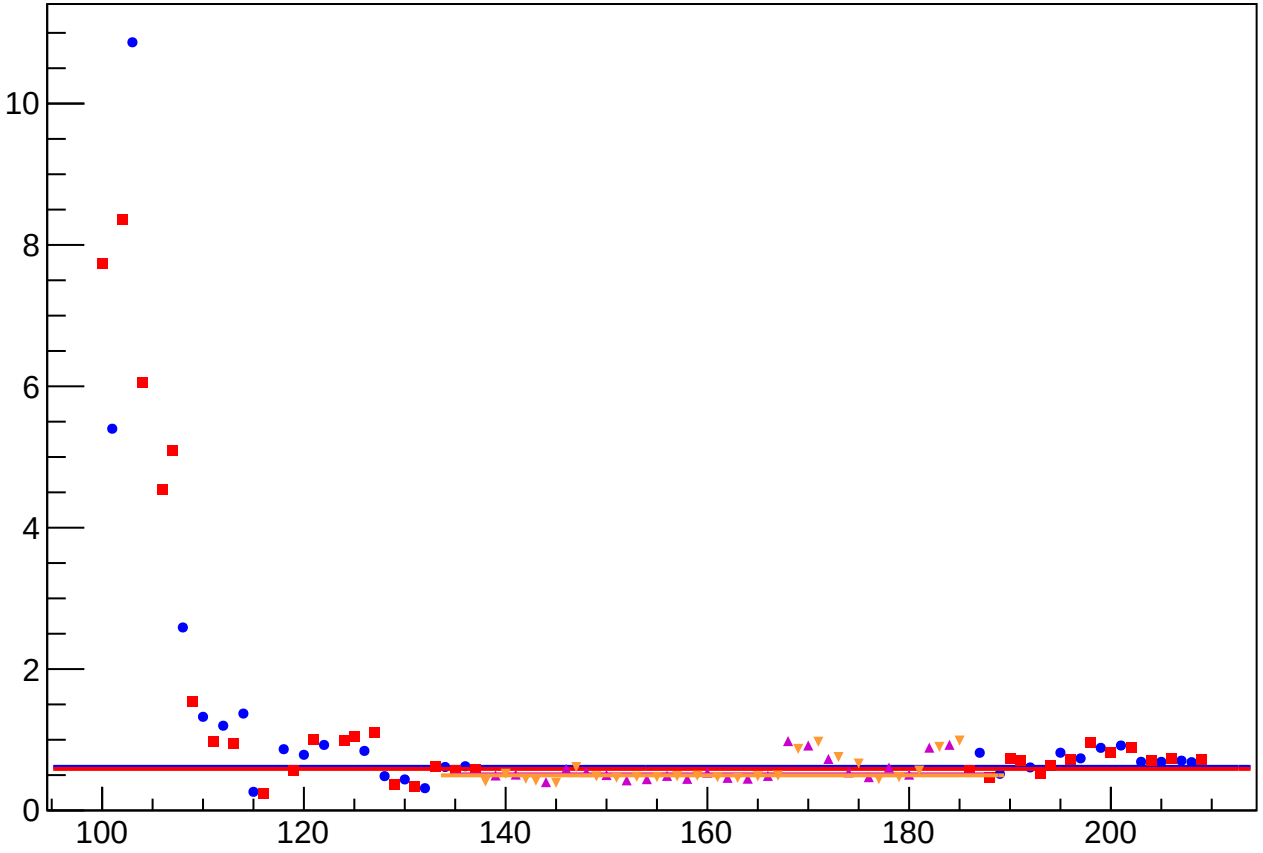
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.352+/-0.000 χ^2/NDF: 3730873532.1/51

All: 134.654+/-0.000 χ^2/NDF: 9440069135.2

- sign 133.947+/-0.000 χ^2/NDF: 5616446915.2/54

yield_cav4cQ_rms vs Slug



Right In: 0.617+/-0.000 χ^2/NDF: 4900218.1/26

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 6001321.0/31

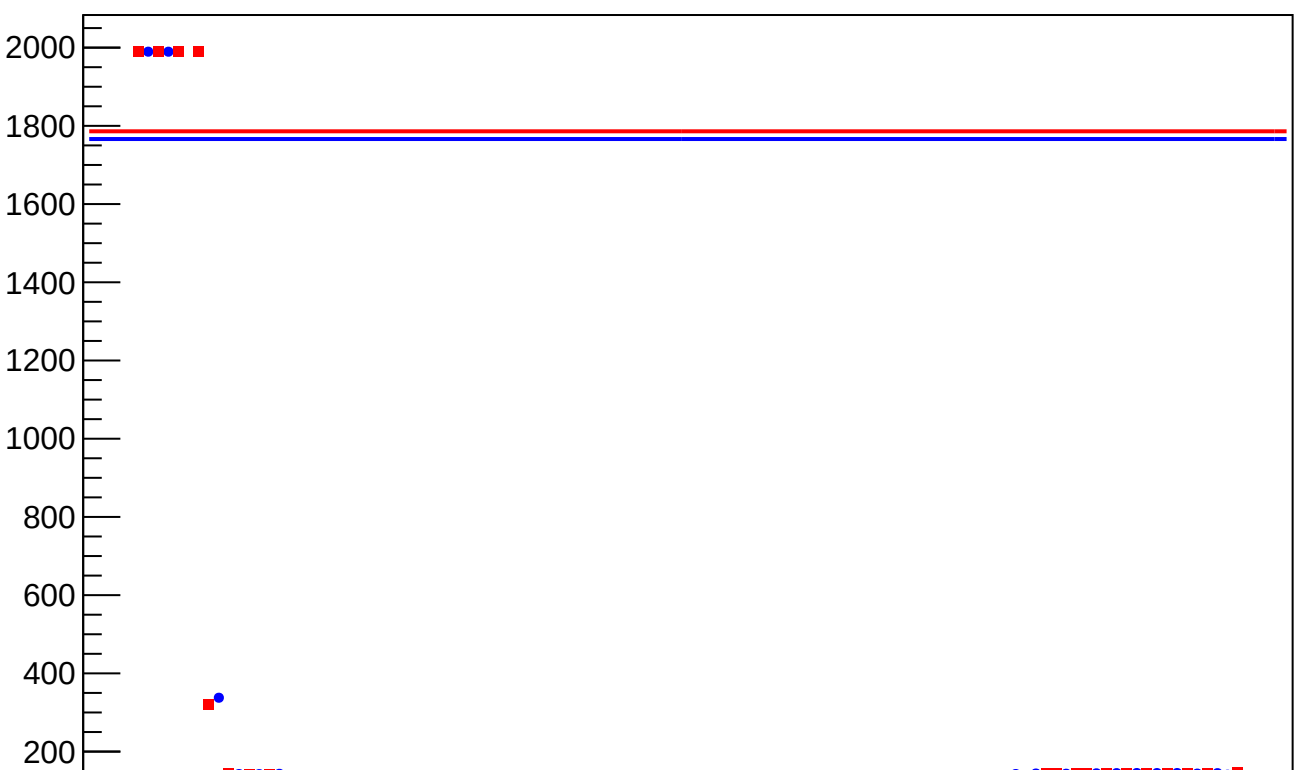
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.532+/-0.000 χ^2/NDF: 7033474.2/51

All: 0.535+/-0.000 χ^2/NDF: 14784910.5/106

- sign 0.537+/-0.000 χ^2/NDF: 7748797.3/54

yield_cav4dQ_mean vs Slug



Right In: 1766.312+/-0.000 χ^2/NDF: 216969138711648.6/26

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1786.045+/-0.000 χ^2/NDF: 2346229400110003.6/31

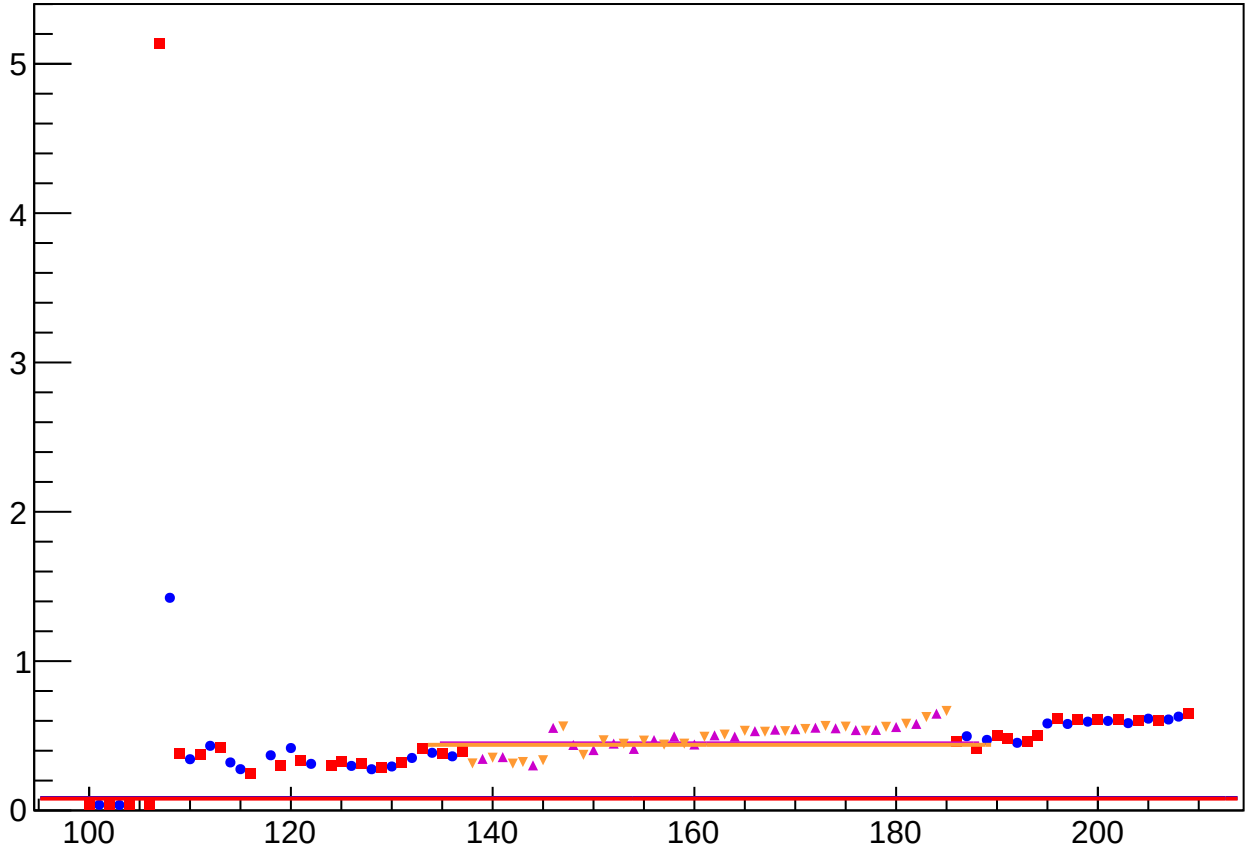
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1546.834+/-0.000 χ^2/NDF: 4300775224944

All: 1579.028+/-0.000 χ^2/NDF: 871760675

- sign 1607.351+/-0.000 χ^2/NDF: 44034079503065

yield_cav4dQ_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF: 20658056.7/26

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

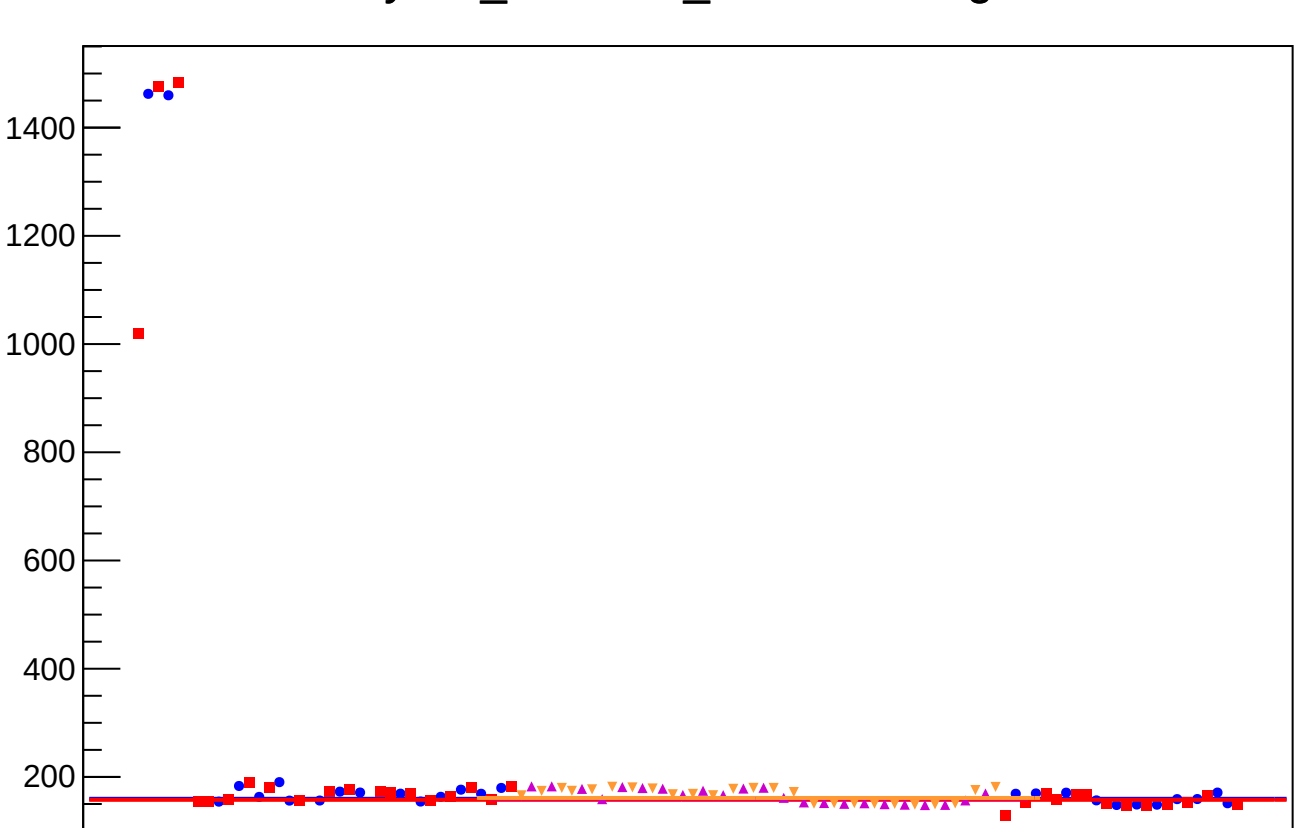
Right Out: 0.079+/-0.000 χ^2/NDF: 22280881.7/31

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.131+/-0.000 χ^2/NDF: 42807658.1/51

All: 0.125+/-0.000 χ^2/NDF: 87234092.1/106

- sign 0.120+/-0.000 χ^2/NDF: 44323636.5/54



Right In: 159.586+/-0.000 χ^2/NDF: 15853866678.3/26

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.724+/-0.000 χ^2/NDF: 18306423902.1/31

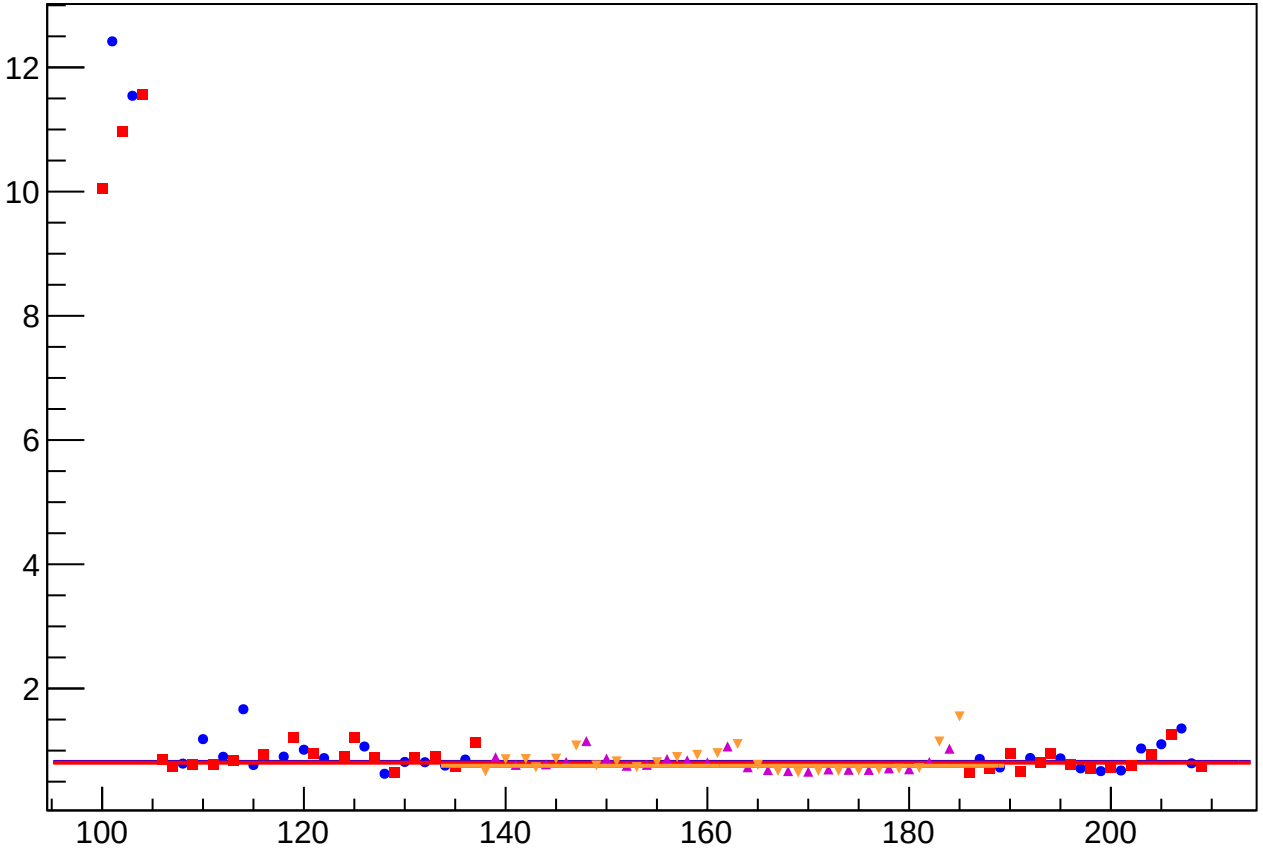
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.541+/-0.000 χ^2/NDF: 19616155435.2/51

All: 159.796+/-0.000 χ^2/NDF: 41764592208.

- sign 159.084+/-0.000 χ^2/NDF: 22104969989.3/54

yield_bcm0l02_rms vs Slug



Right In: 0.818+/-0.000 χ^2/NDF: 2854415.4/26

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.806+/-0.000 χ^2/NDF: 2625946.4/31

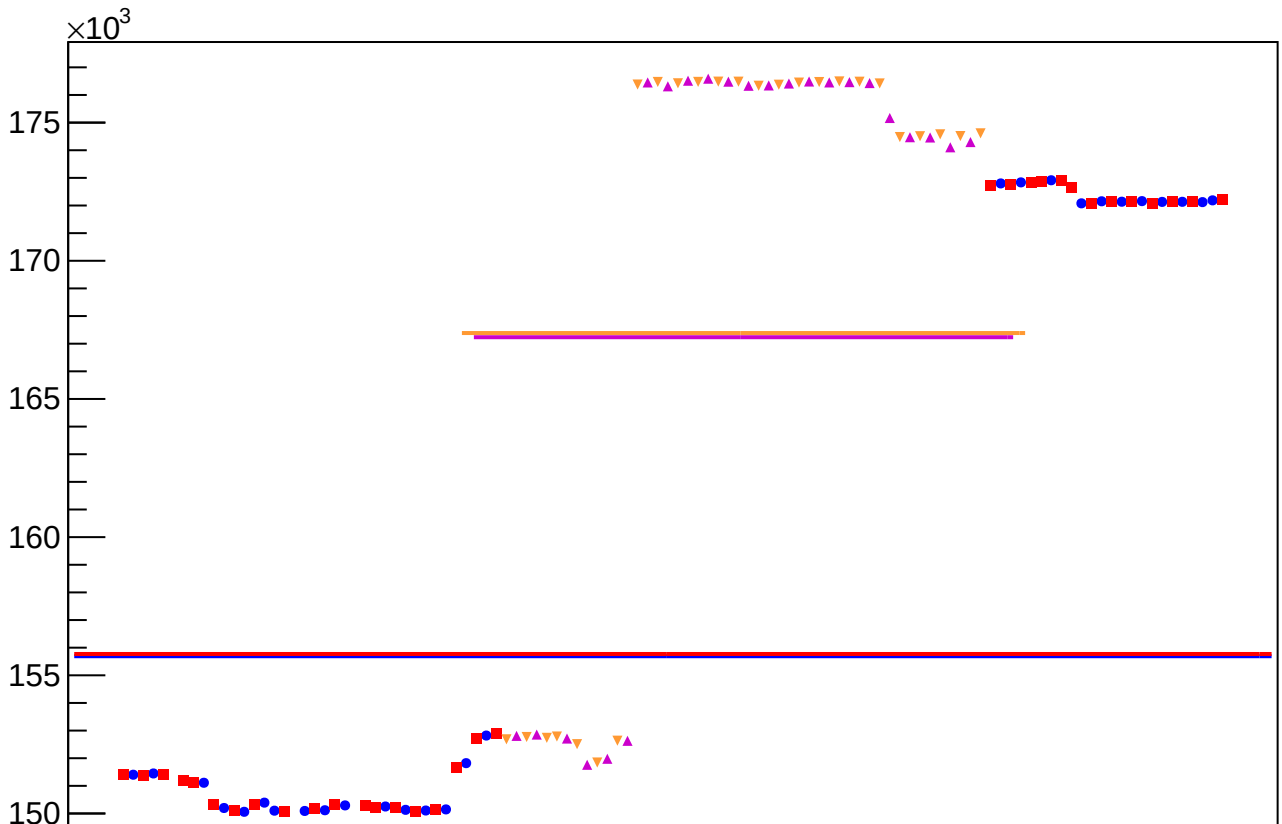
Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.780+/-0.000 χ^2/NDF: 3676560.2/51

All: 0.779+/-0.000 χ^2/NDF: 6827731.9/106

- sign 0.777+/-0.000 χ^2/NDF: 3150857.9/54

yield_bpm2i01WS_mean vs Slug



Right In: 155691.153+/-0.048 χ^2/NDF: 37573162164.0/26

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155771.642+/-0.044 χ^2/NDF: 43968961229.0/31

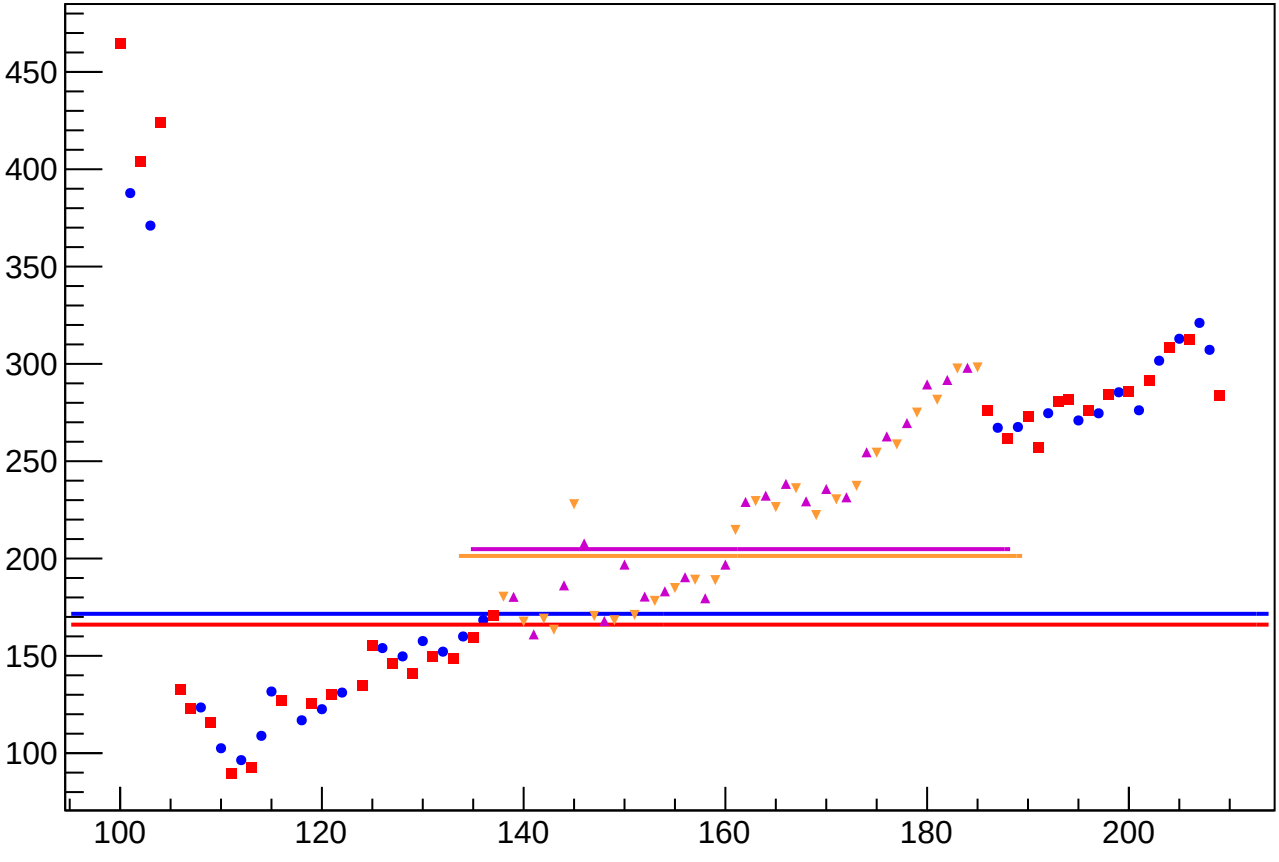
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161663.294+/-0.033 χ^2/NDF: 12781654678

All: 161309.173+/-0.023 χ^2/NDF: 2571924

- sign 160965.566+/-0.033 χ^2/NDF: 12915435872

yield_bpm2i01WS_rms vs Slug



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

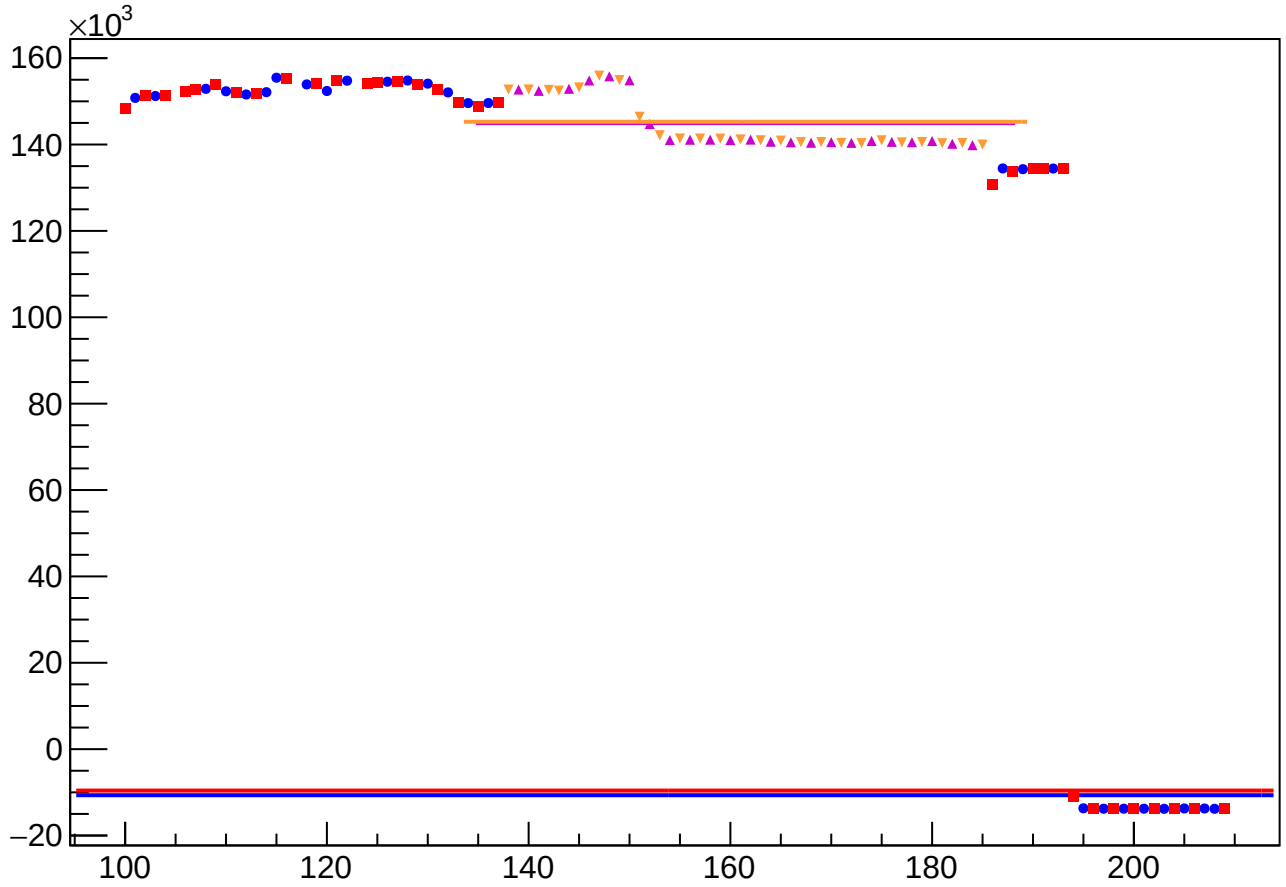
Right Out: 166.029+/-0.031 χ^2/NDF: 6055760.3/31

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 186.777+/-0.024 χ^2/NDF: 6734749.7/51

All: 185.169+/-0.017 χ^2/NDF: 14542091.0/10

- sign 183.609+/-0.023 χ^2/NDF: 7798205.8/54



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9586.344+/-0.009 χ^2/NDF: 7134274483528.4/31

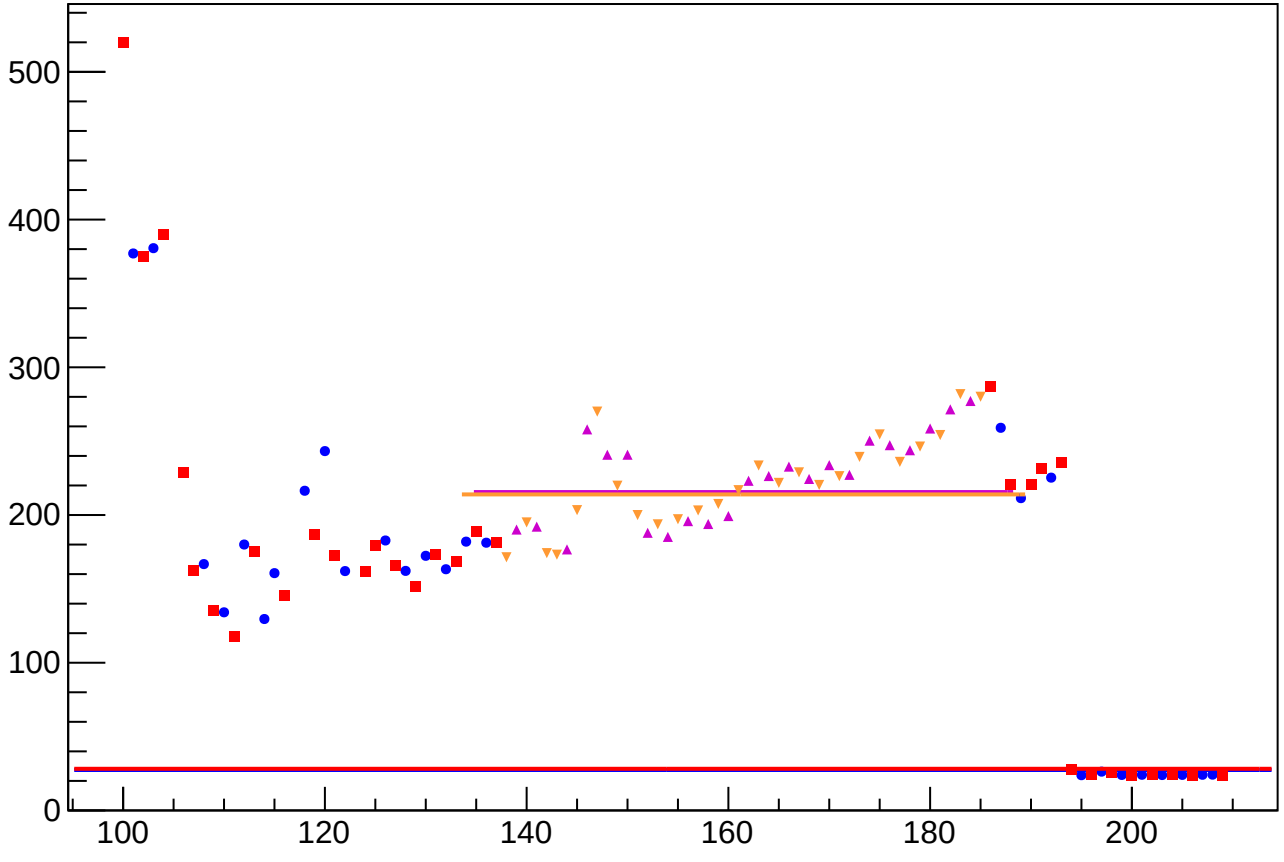
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5414.696+/-0.009 χ^2/NDF: 1551739641716

All: -4961.840+/-0.006 χ^2/NDF: 3147969865

- sign -4484.483+/-0.009 χ^2/NDF: 1595717171357

yield_bpm0i07WS_rms vs Slug



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

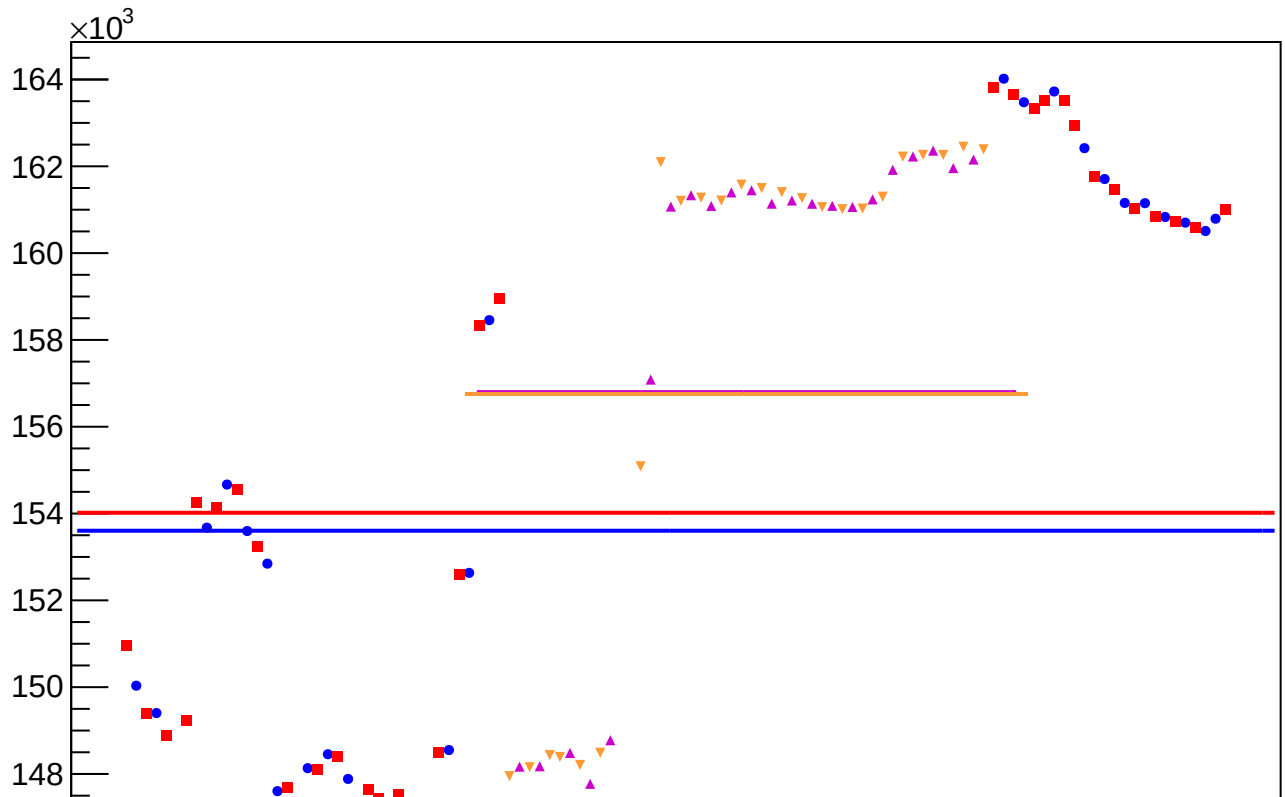
Right Out: 28.204+/-0.007 χ^2/NDF: 14435245.6/31

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.676+/-0.006 χ^2/NDF: 40892246.1/51

All: 34.023+/-0.005 χ^2/NDF: 81820715.0/106

- sign 34.388+/-0.007 χ^2/NDF: 40922461.8/54



Right In: 153603.900+/-0.054 χ^2/NDF: 11387723979.5/26

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154017.693+/-0.051 χ^2/NDF: 12577613745.8/31

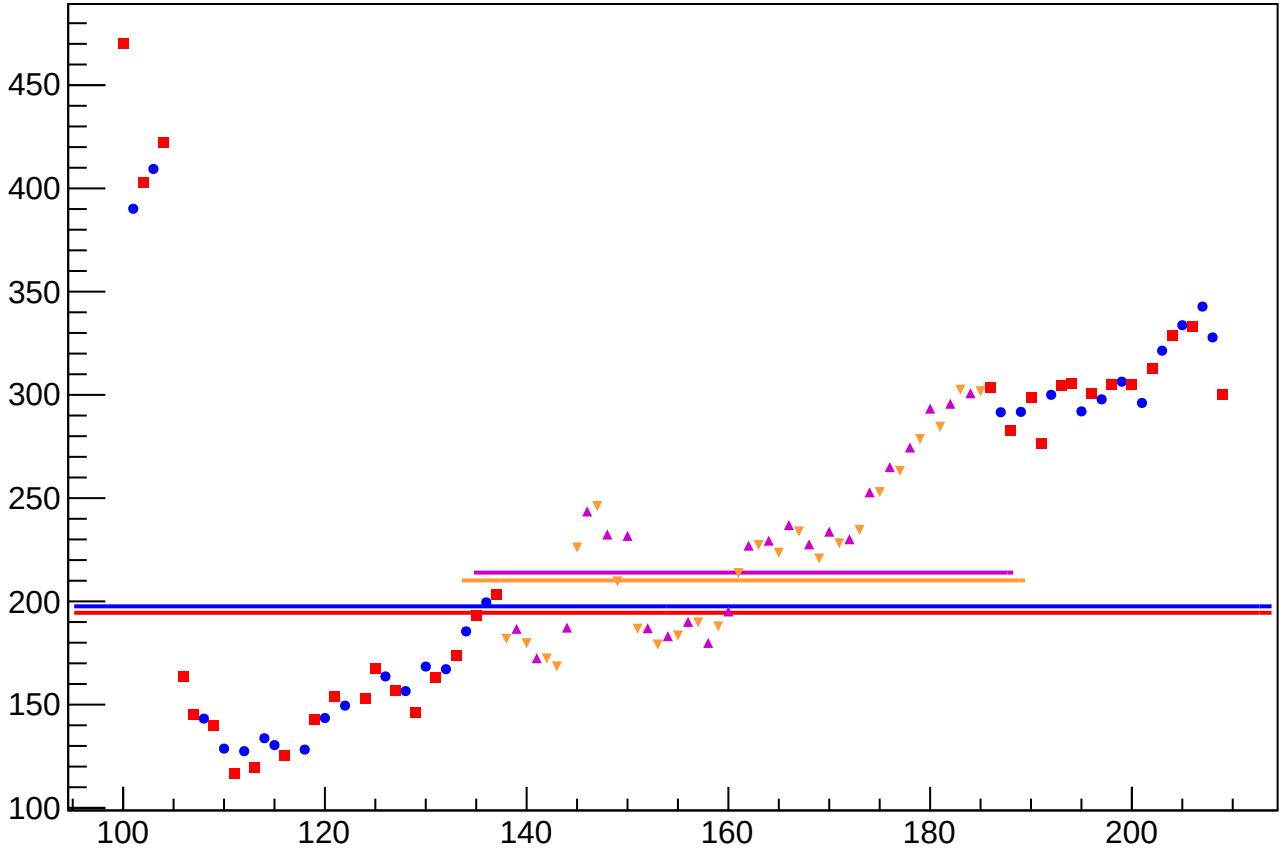
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155345.420+/-0.036 χ^2/NDF: 29644552358.

All: 155380.170+/-0.026 χ^2/NDF: 5804946

- sign 155414.833+/-0.036 χ^2/NDF: 28403066811.

yield_bpm0i01WS_rms vs Slug



Right In: 197.597+/-0.038 χ^2/NDF: 4266848.4/26

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

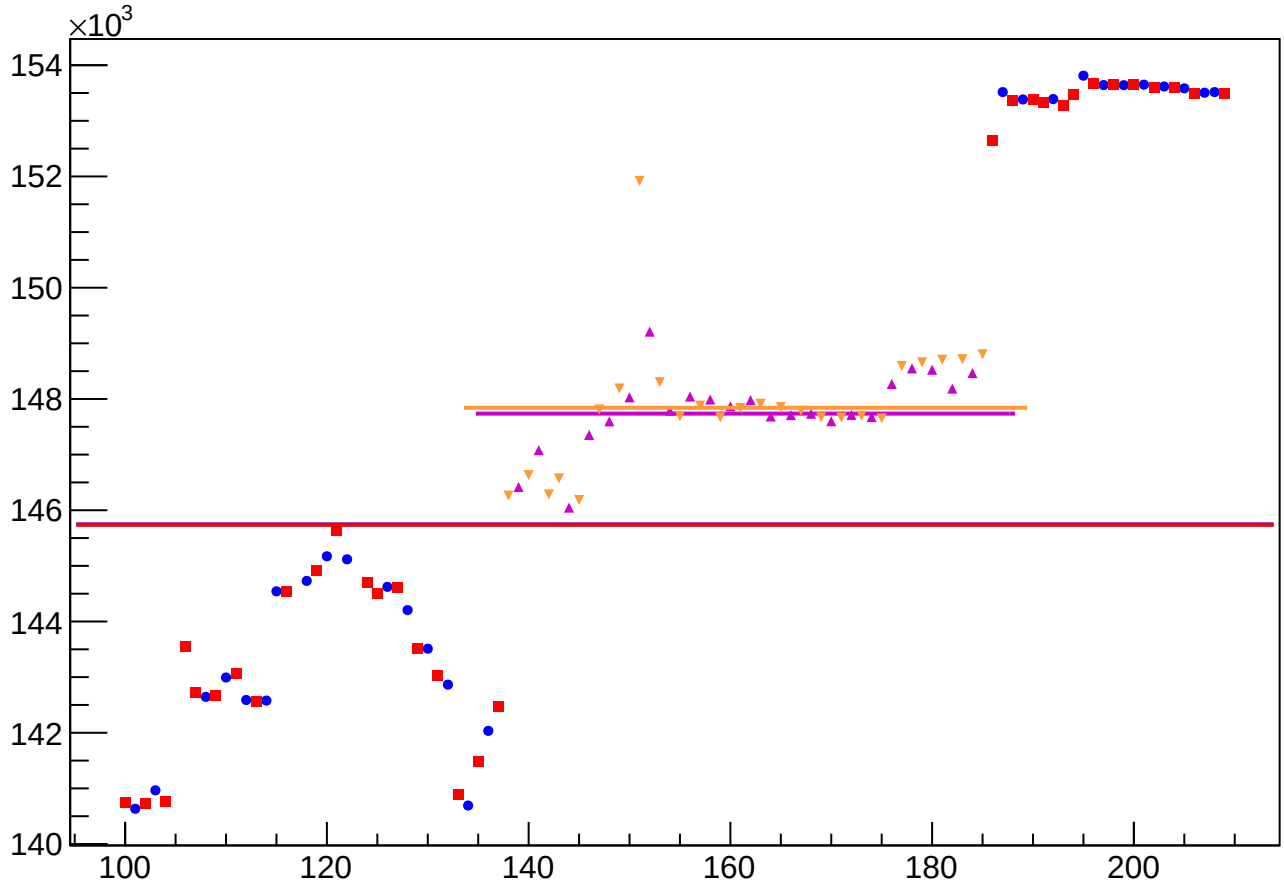
Right Out: 194.490+/-0.036 χ^2/NDF: 4831290.1/31

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 204.532+/-0.026 χ^2/NDF: 5324149.5/51

All: 204.399+/-0.018 χ^2/NDF: 11215032.5/10

- sign 204.266+/-0.026 χ^2/NDF: 5890829.0/54



Right In: 145744.734+/-0.046 χ^2/NDF: 9376803722.3/26

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145740.102+/-0.043 χ^2/NDF: 10737180659.7/31

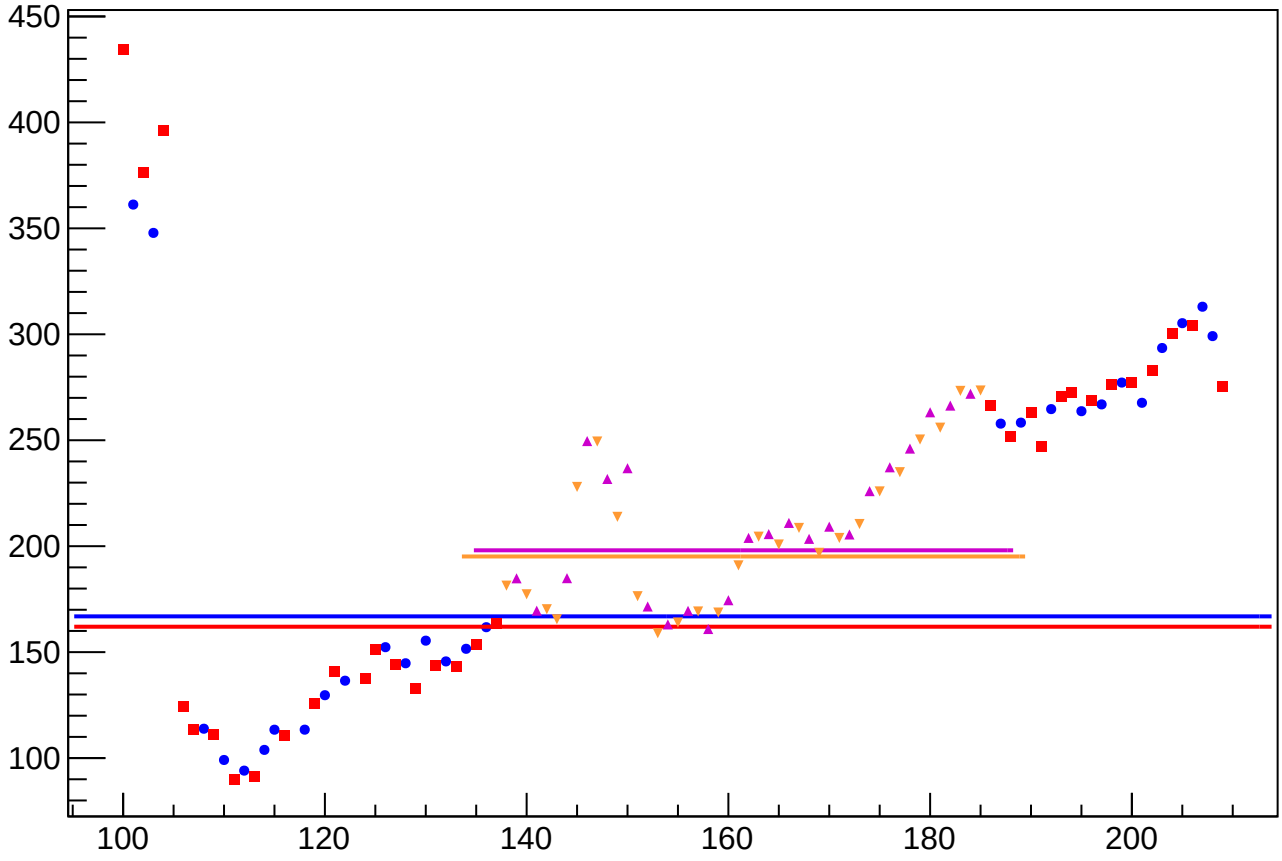
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146823.044+/-0.032 χ^2/NDF: 11139326838.

All: 146736.849+/-0.023 χ^2/NDF: 23089461

- sign 146653.055+/-0.032 χ^2/NDF: 11936142000.

yield_bpm0i01aWS_rms vs Slug



Right In: 166.882+/-0.033 χ^2/NDF: 5057326.7/26

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

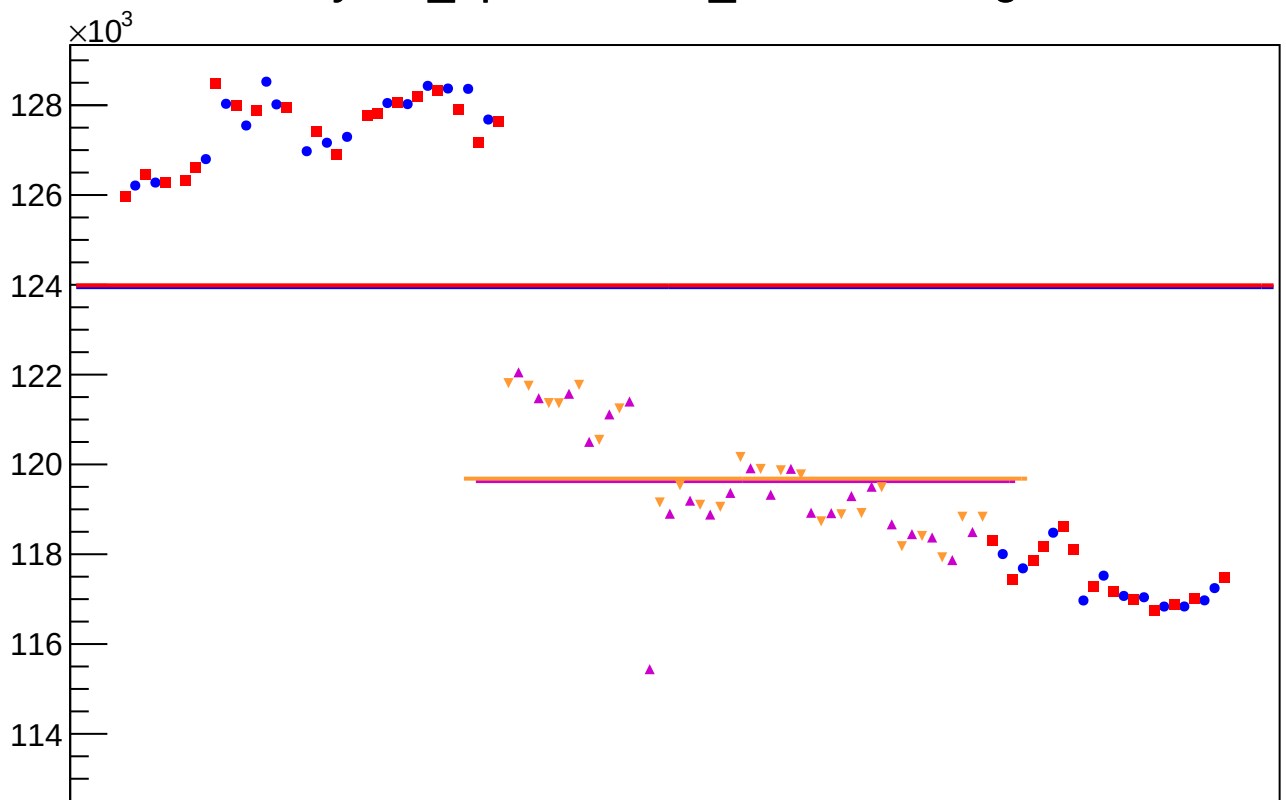
Right Out: 161.997+/-0.031 χ^2/NDF: 5912101.7/31

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 181.413+/-0.023 χ^2/NDF: 6342450.4/51

All: 179.928+/-0.016 χ^2/NDF: 13797231.1/10

- sign 178.485+/-0.023 χ^2/NDF: 7446481.3/54



Right In: 123948.372+/-0.047 χ^2/NDF: 11599058368.7/26

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123988.113+/-0.044 χ^2/NDF: 12962080772.9/31

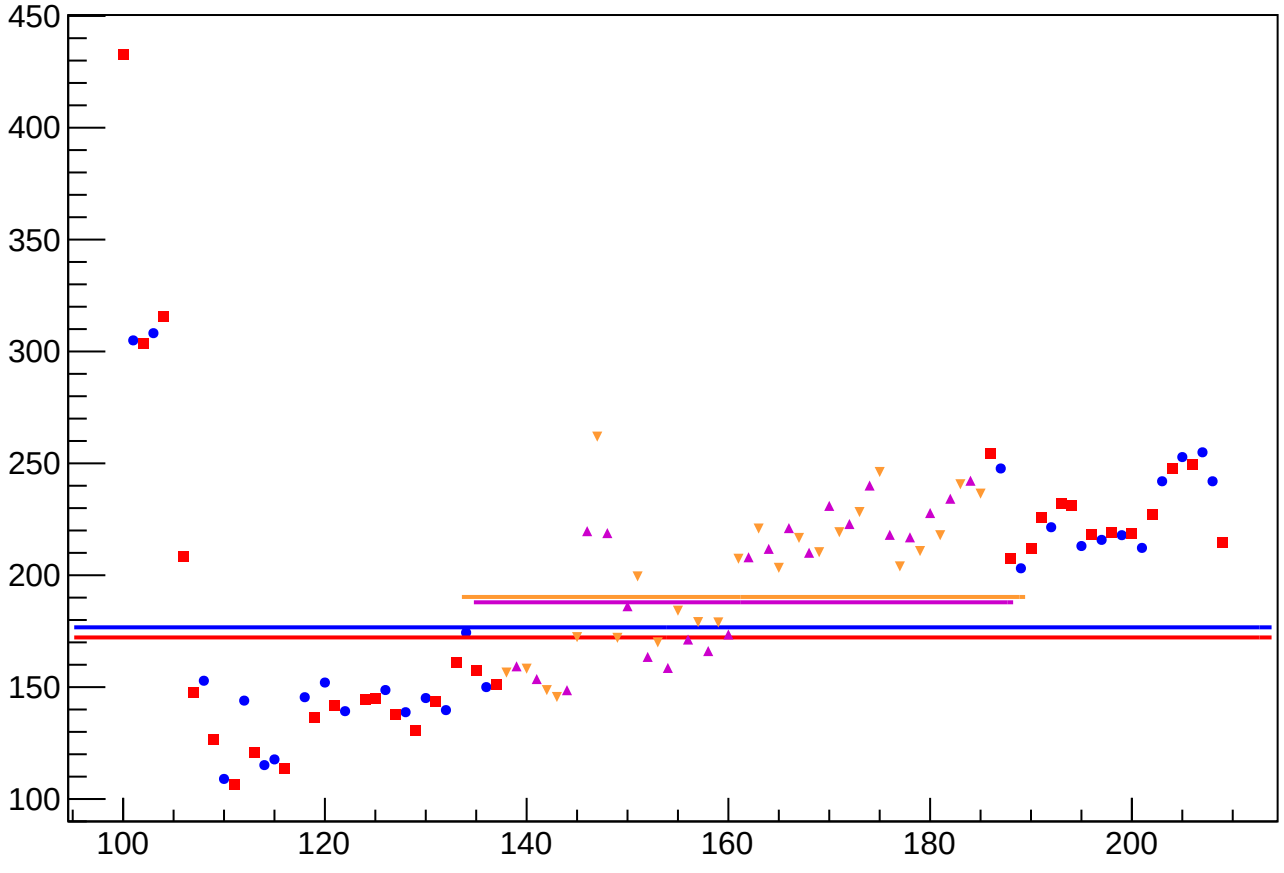
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121702.310+/-0.032 χ^2/NDF: 17979329959.

All: 121786.566+/-0.022 χ^2/NDF: 37090646

- sign 121866.985+/-0.031 χ^2/NDF: 19097870129.8

yield_bpm0l01WS_rms vs Slug



Right In: 176.724+/-0.033 χ^2/NDF: 2205262.7/26

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

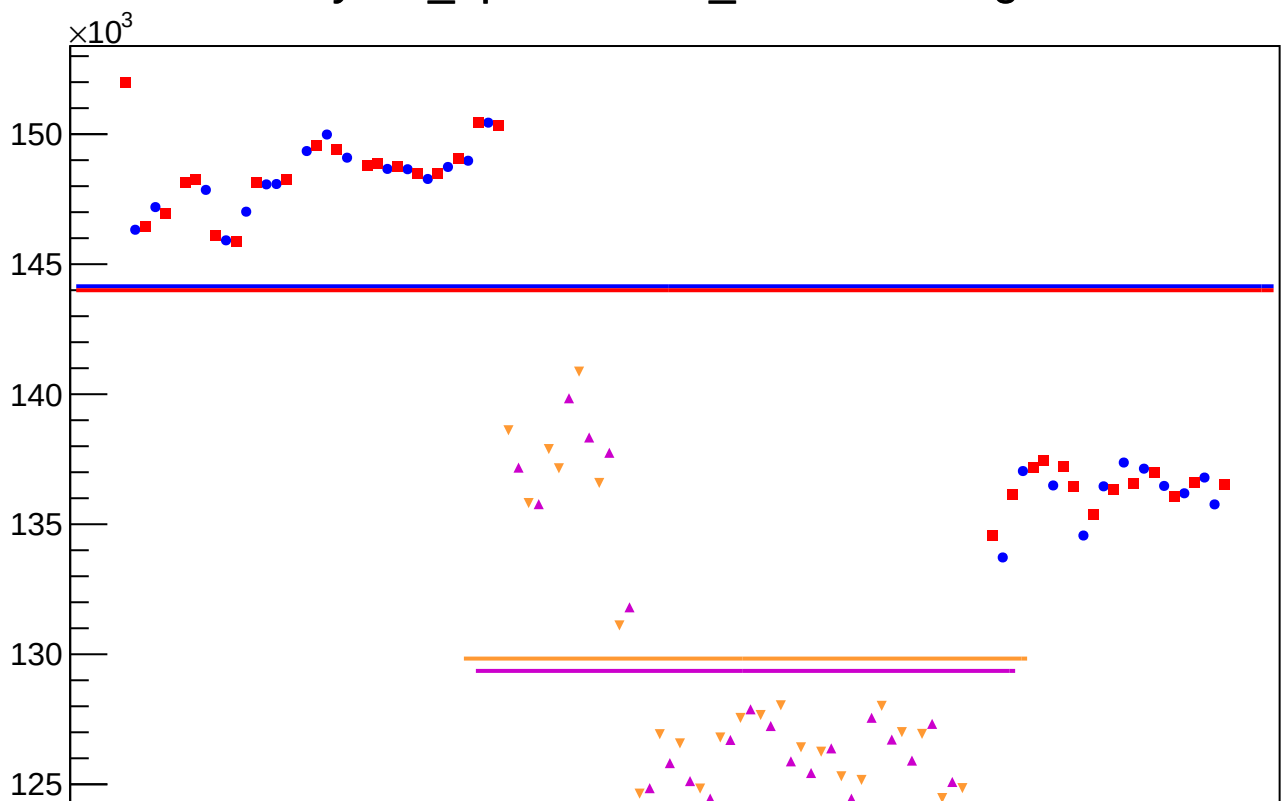
Right Out: 172.203+/-0.031 χ^2/NDF: 2784074.1/31

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 183.872+/-0.023 χ^2/NDF: 3218833.7/51

All: 181.812+/-0.016 χ^2/NDF: 7070155.2/106

- sign 179.846+/-0.022 χ^2/NDF: 3835249.5/54



Right In: 144150.372+/-0.066 χ^2/NDF: 8217068066.4/26

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143998.268+/-0.061 χ^2/NDF: 9014370092.9/31

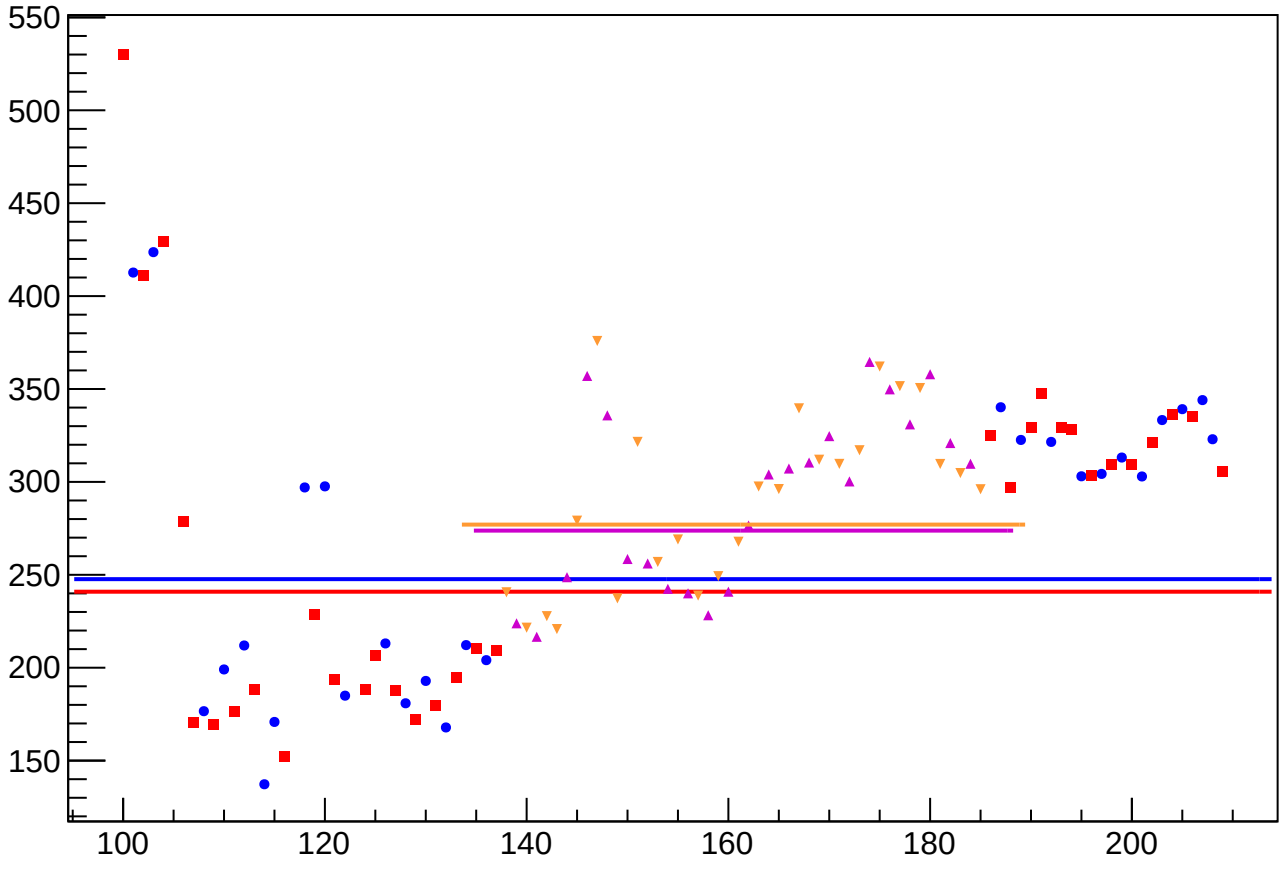
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136838.690+/-0.046 χ^2/NDF: 39339874393.

All: 136998.268+/-0.032 χ^2/NDF: 81699495

- sign 137149.756+/-0.045 χ^2/NDF: 42336039492.5

yield_bpm0l02WS_rms vs Slug



Right In: 247.664+/-0.046 χ^2/NDF: 2368701.7/26

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

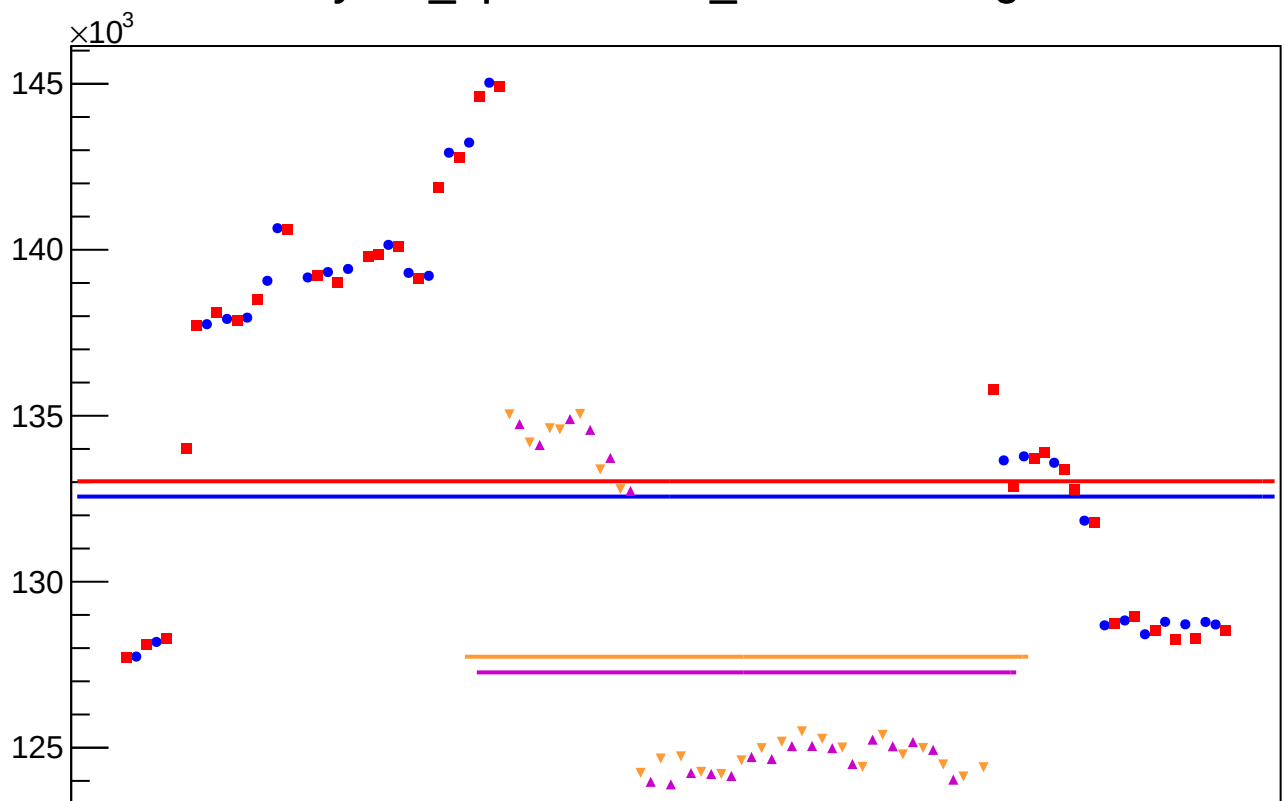
Right Out: 240.906+/-0.043 χ^2/NDF: 2718625.6/31

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 262.658+/-0.032 χ^2/NDF: 3519920.1/51

All: 259.390+/-0.023 χ^2/NDF: 7531585.4/106

- sign 256.289+/-0.032 χ^2/NDF: 3991895.2/54



Right In: 132565.444+/-0.106 χ^2/NDF: 2661023162.0/26

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133025.940+/-0.108 χ^2/NDF: 1848934617.0/31

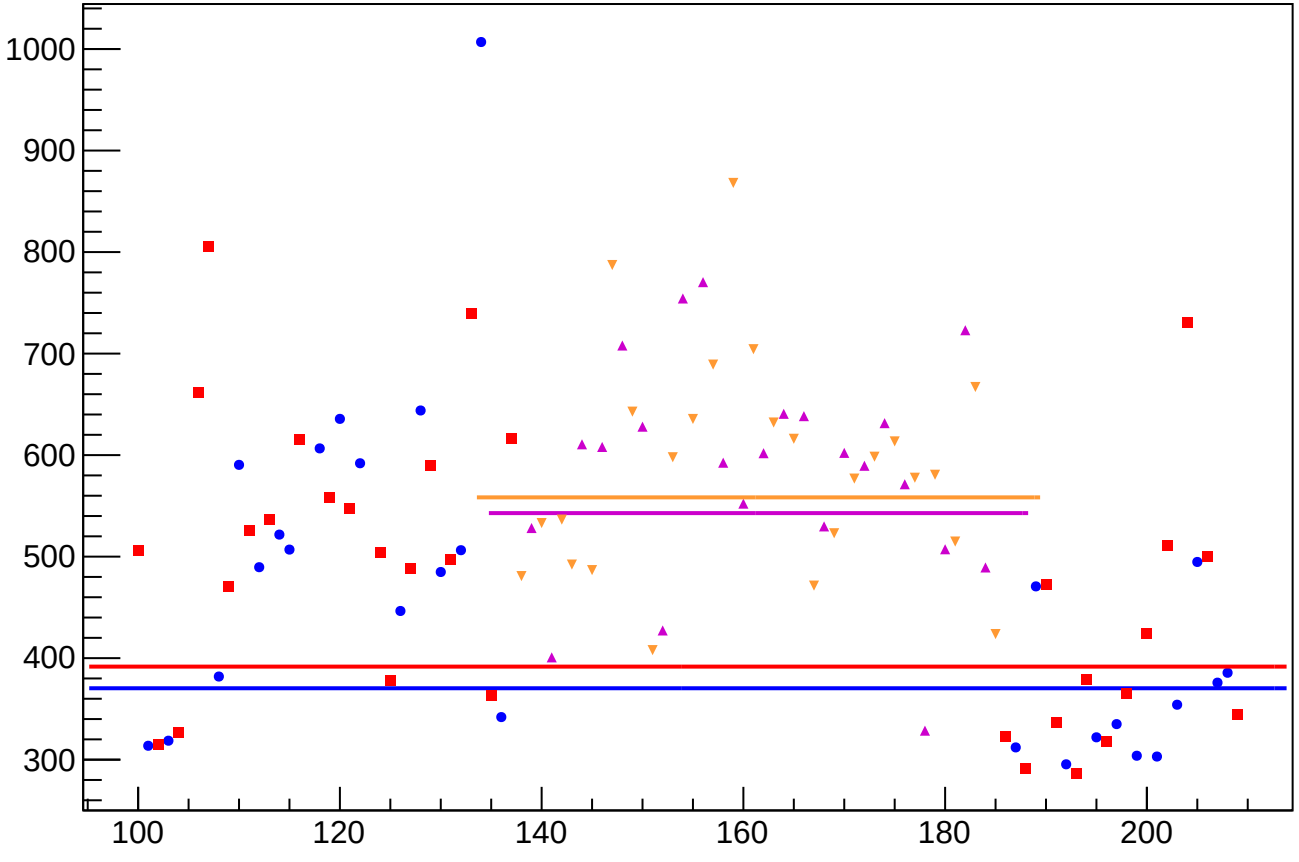
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130741.882+/-0.083 χ^2/NDF: 4541138264.3

All: 130789.079+/-0.060 χ^2/NDF: 84321297

- sign 130838.655+/-0.085 χ^2/NDF: 3890334102.9/

yield_bpm0l03WS_rms vs Slug



Right In: 370.348+/-0.075 χ^2/NDF: 1575924.4/26

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

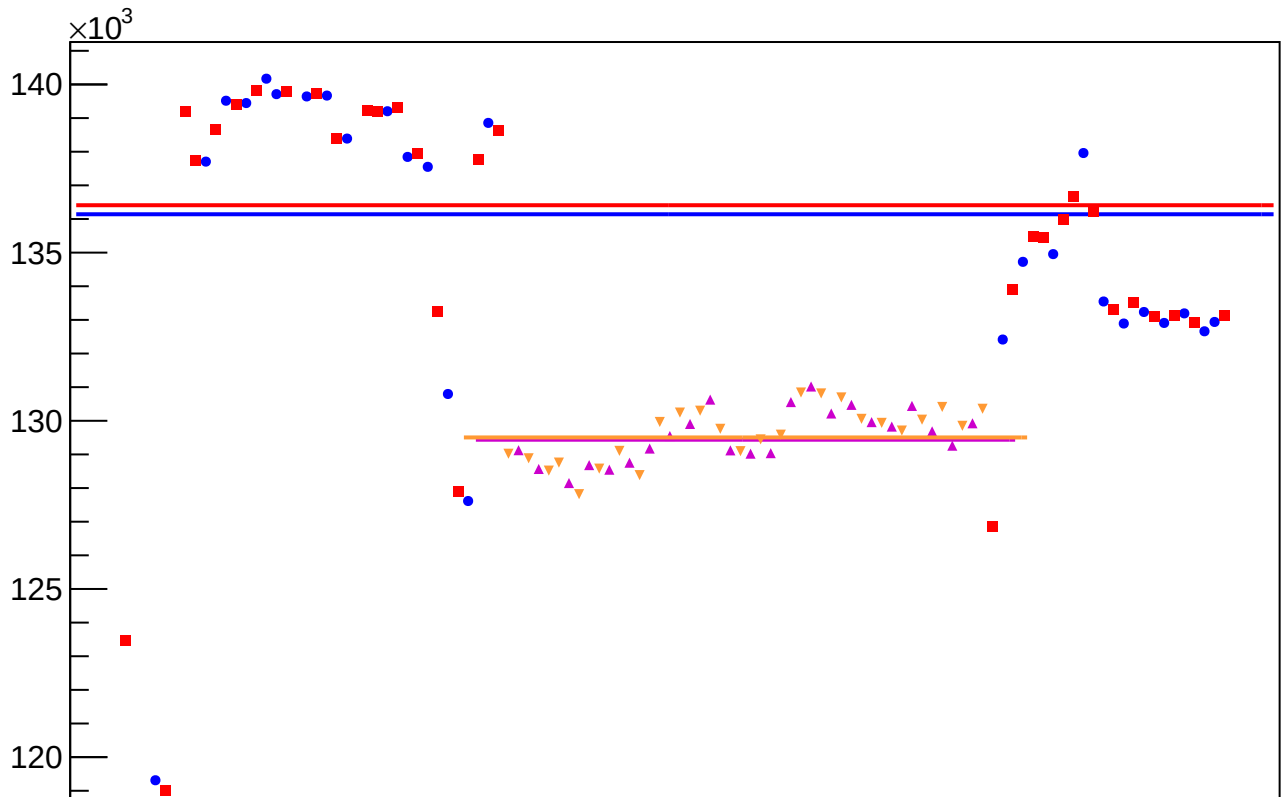
Right Out: 391.667+/-0.077 χ^2/NDF: 1984533.3/31

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 441.421+/-0.059 χ^2/NDF: 4936939.5/51

All: 445.171+/-0.042 χ^2/NDF: 9822482.9/106

- sign 449.111+/-0.060 χ^2/NDF: 4877239.8/54



Right In: 136140.593+/-0.060 χ^2/NDF: 6504776737.4/26

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136409.188+/-0.056 χ^2/NDF: 6819899732.6/31

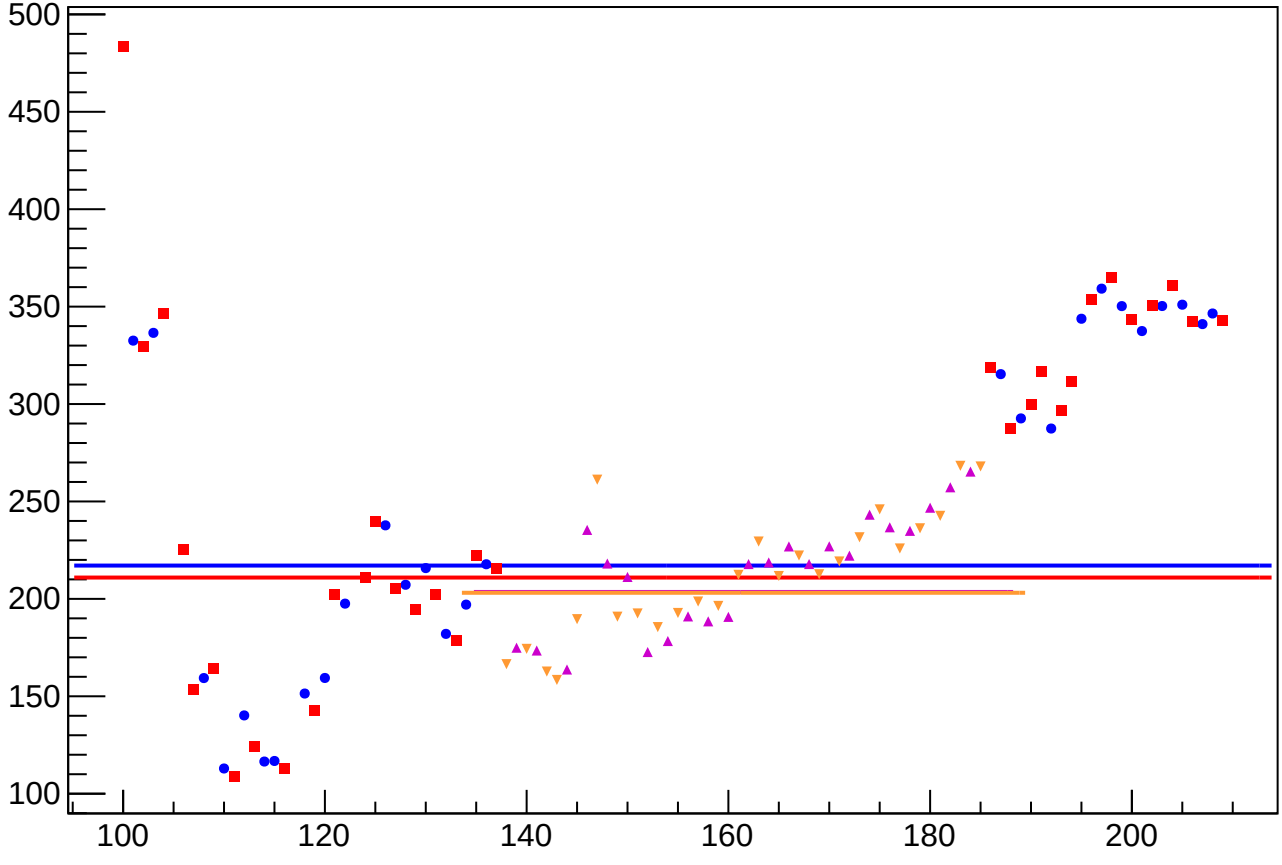
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132052.722+/-0.037 χ^2/NDF: 14458450102.

All: 132244.446+/-0.026 χ^2/NDF: 30504065

- sign 132432.940+/-0.037 χ^2/NDF: 1599204261

yield_bpm0l04WS_rms vs Slug



Right In: 217.093+/-0.042 χ^2/NDF: 4106015.4/26

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

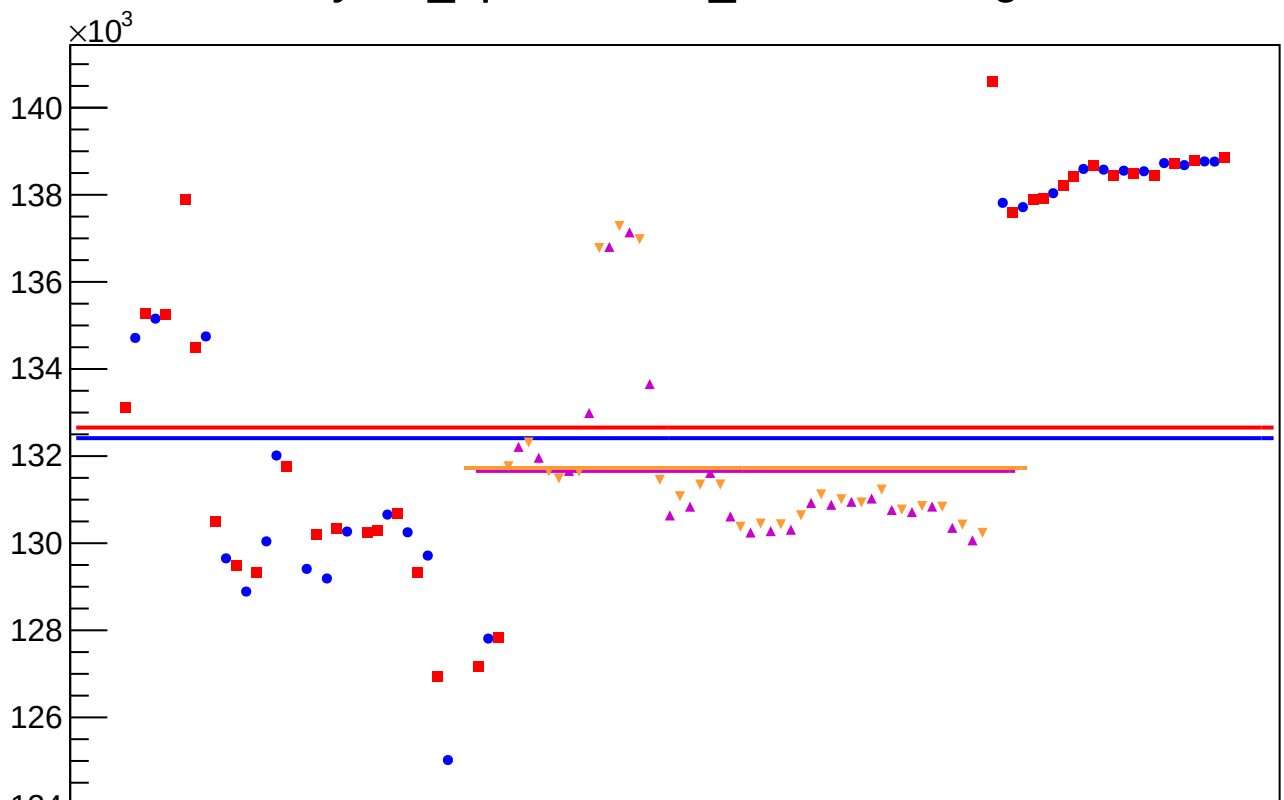
Right Out: 210.942+/-0.039 χ^2/NDF: 4975406.8/31

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 208.491+/-0.026 χ^2/NDF: 4932257.2/51

All: 207.600+/-0.018 χ^2/NDF: 10596056.2/10

- sign 206.724+/-0.026 χ^2/NDF: 5661485.4/54



Right In: 132411.998+/-0.054 χ^2/NDF: 8169605024.8/26

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132655.570+/-0.050 χ^2/NDF: 8653622634.1/31

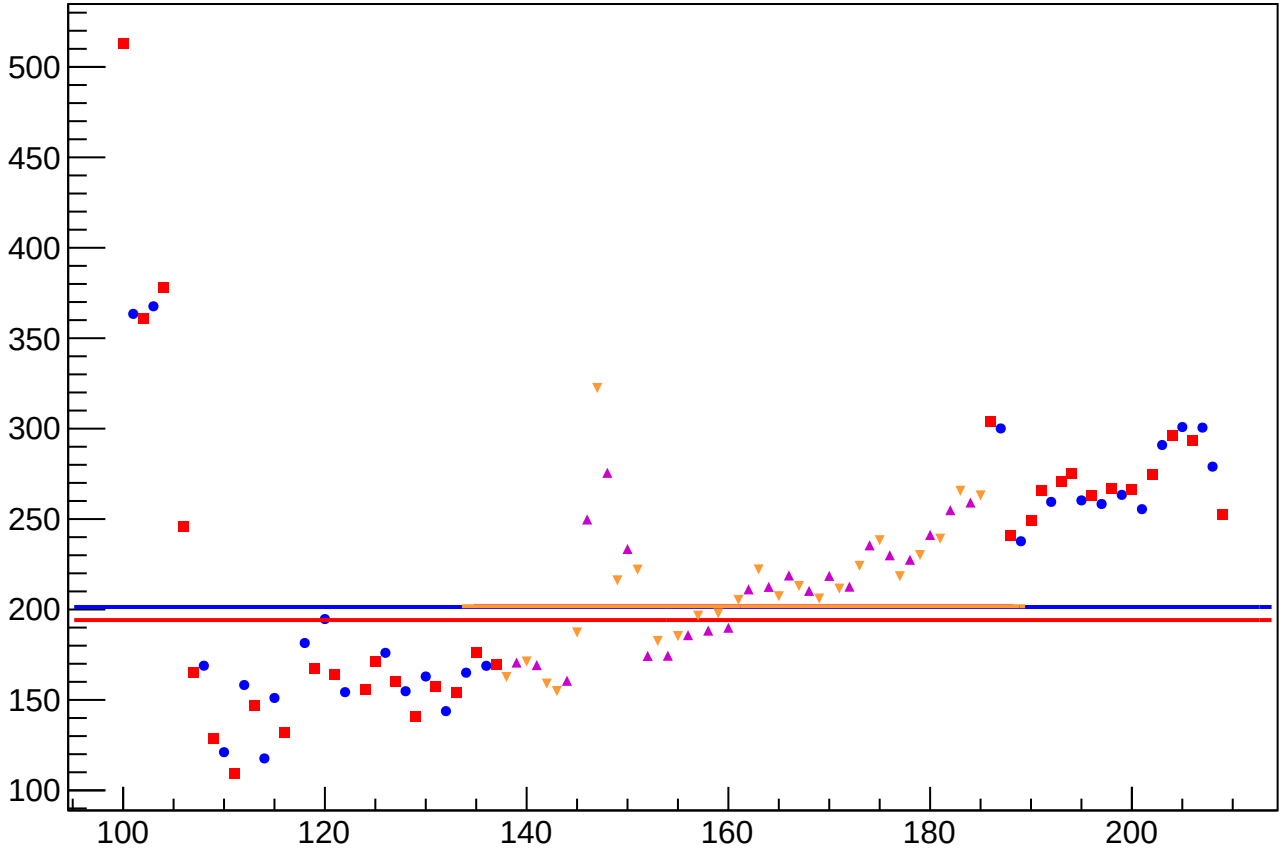
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132022.233+/-0.035 χ^2/NDF: 9686767949.6

All: 132081.315+/-0.025 χ^2/NDF: 19715156

- sign 132138.385+/-0.035 χ^2/NDF: 10022893369.5

yield_bpm0l05WS_rms vs Slug



Right In: 201.376+/-0.038 χ^2/NDF: 2680979.4/26

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

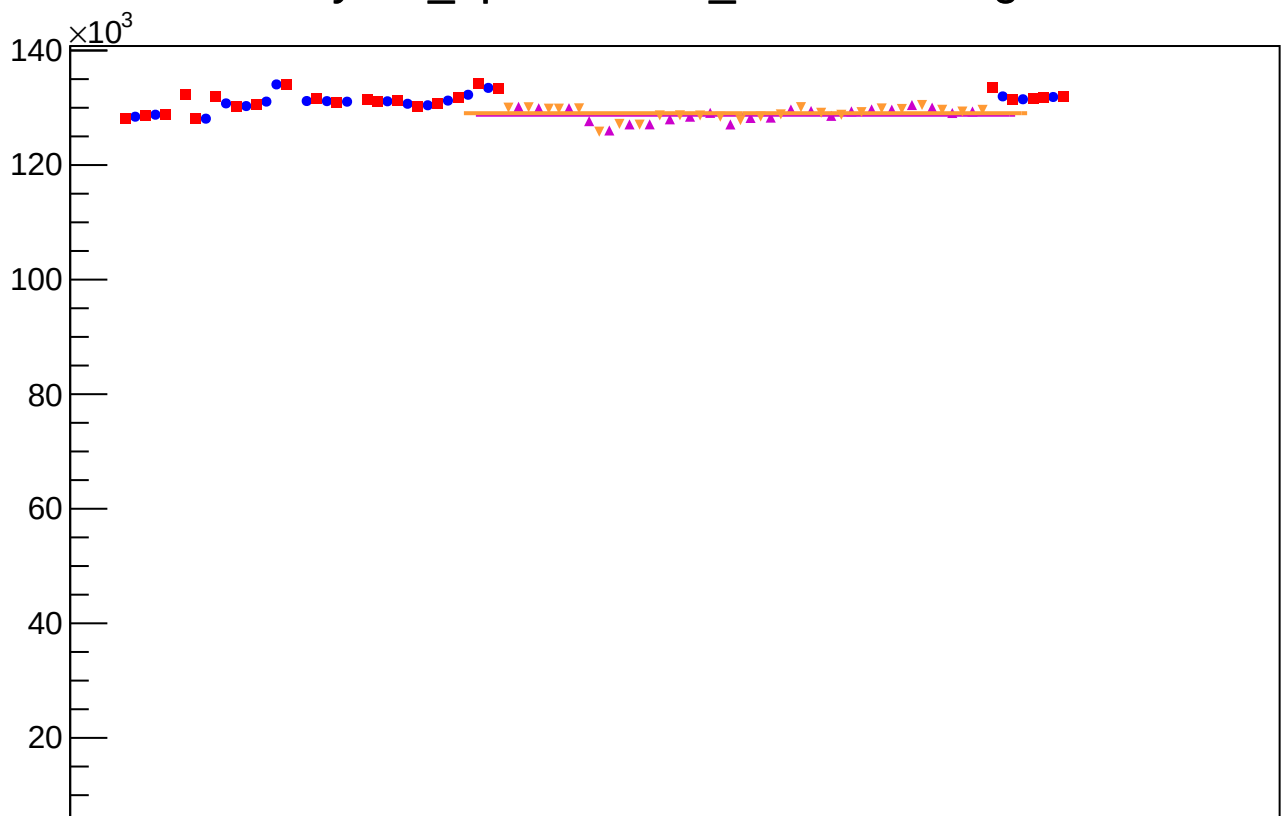
Right Out: 194.153+/-0.035 χ^2/NDF: 3494451.7/31

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 201.616+/-0.025 χ^2/NDF: 3586401.6/51

All: 199.880+/-0.018 χ^2/NDF: 7918176.5/106

- sign 198.204+/-0.025 χ^2/NDF: 4322290.5/54



Right In: 3499.660+/-0.005 χ^2/NDF: 4991868469374.0/26

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3826.139+/-0.005 χ^2/NDF: 5901895253010.9/31

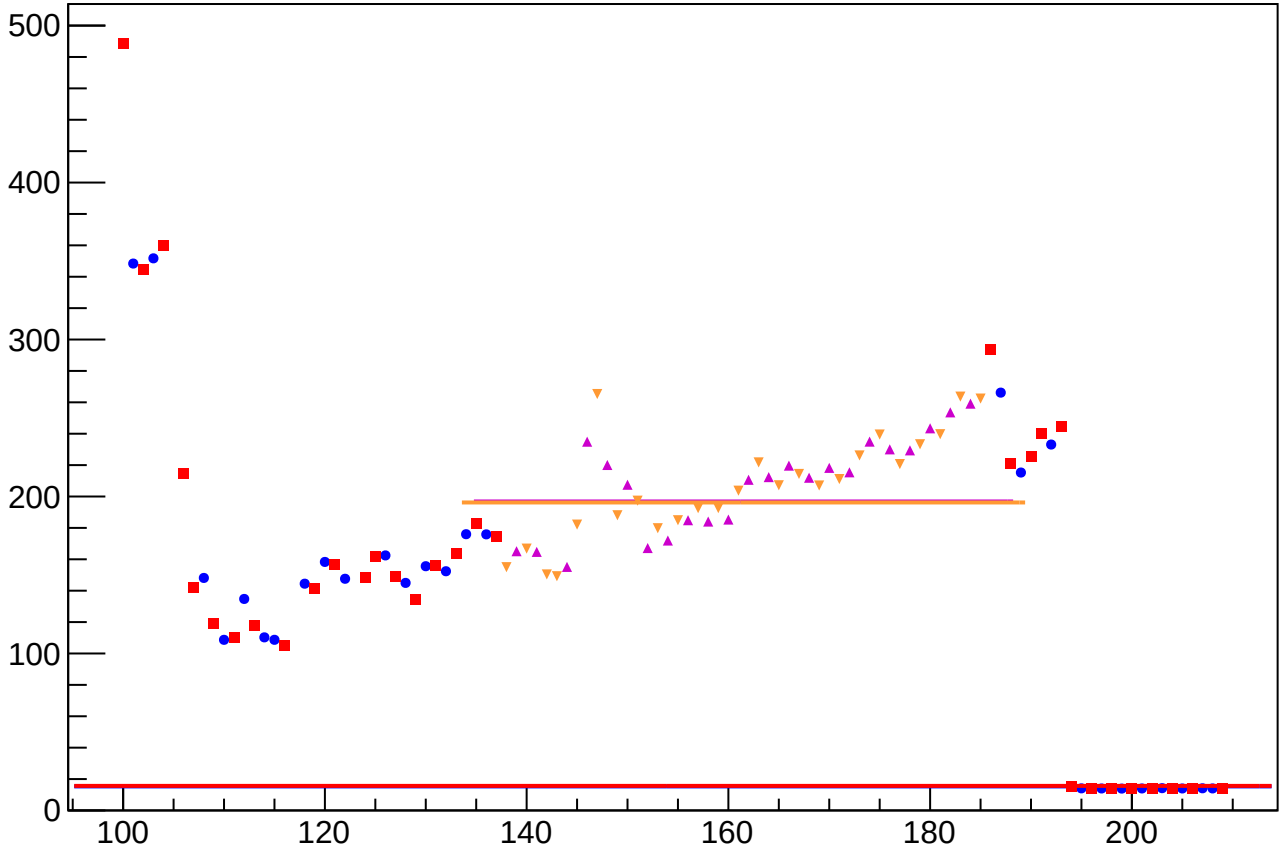
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5197.065+/-0.005 χ^2/NDF: 12506385022562

All: 5352.528+/-0.004 χ^2/NDF: 2541427380

- sign 5517.986+/-0.005 χ^2/NDF: 12906105572168

yield_bpm0l06WS_rms vs Slug



Right In: 15.318+/-0.004 χ^2/NDF: 14421437.4/26

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

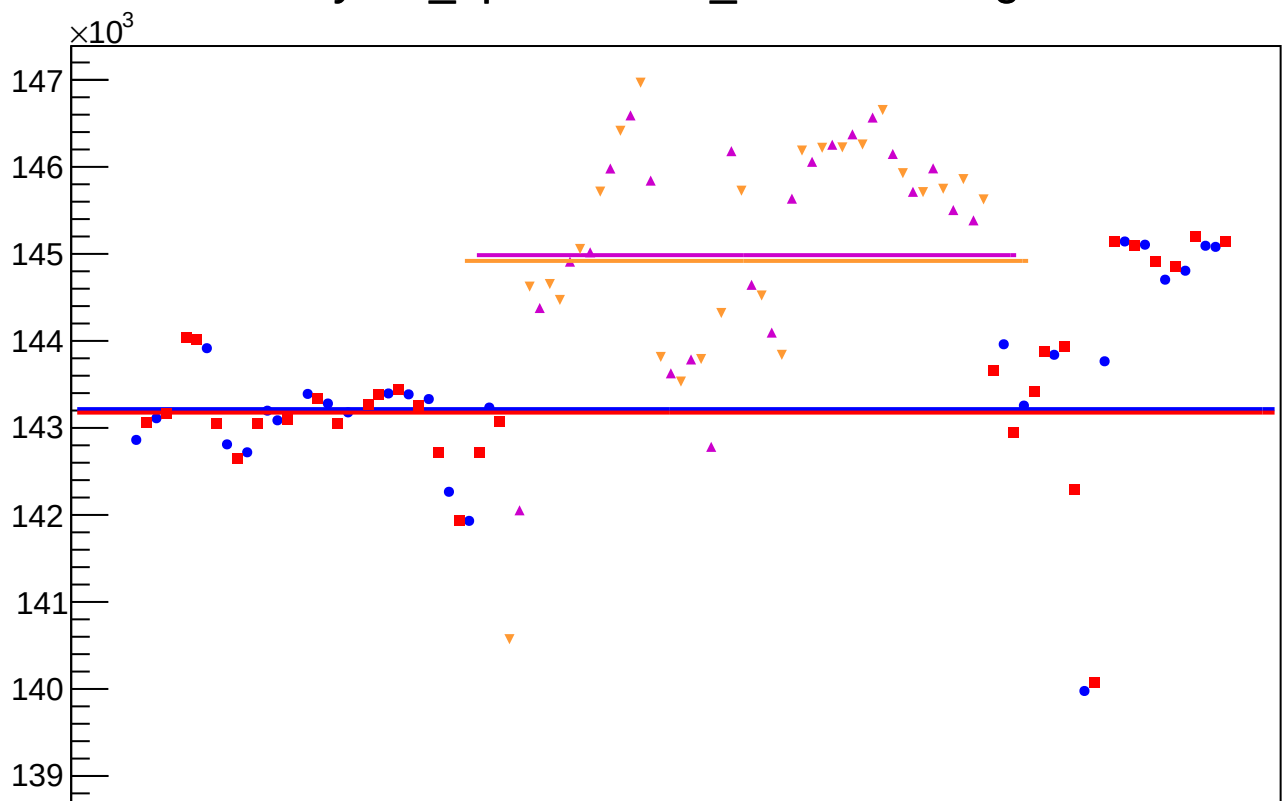
Right Out: 15.648+/-0.004 χ^2/NDF: 16509771.3/31

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

\+ sign 17.763+/-0.004 χ^2/NDF: 46537999.3/51

All: 17.927+/-0.003 χ^2/NDF: 93275777.4/106

\- sign 18.101+/-0.004 χ^2/NDF: 46733821.0/54



Right In: 143216.187+/-0.058 χ^2/NDF: 241693115.7/26

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143176.005+/-0.053 χ^2/NDF: 246580670.2/31

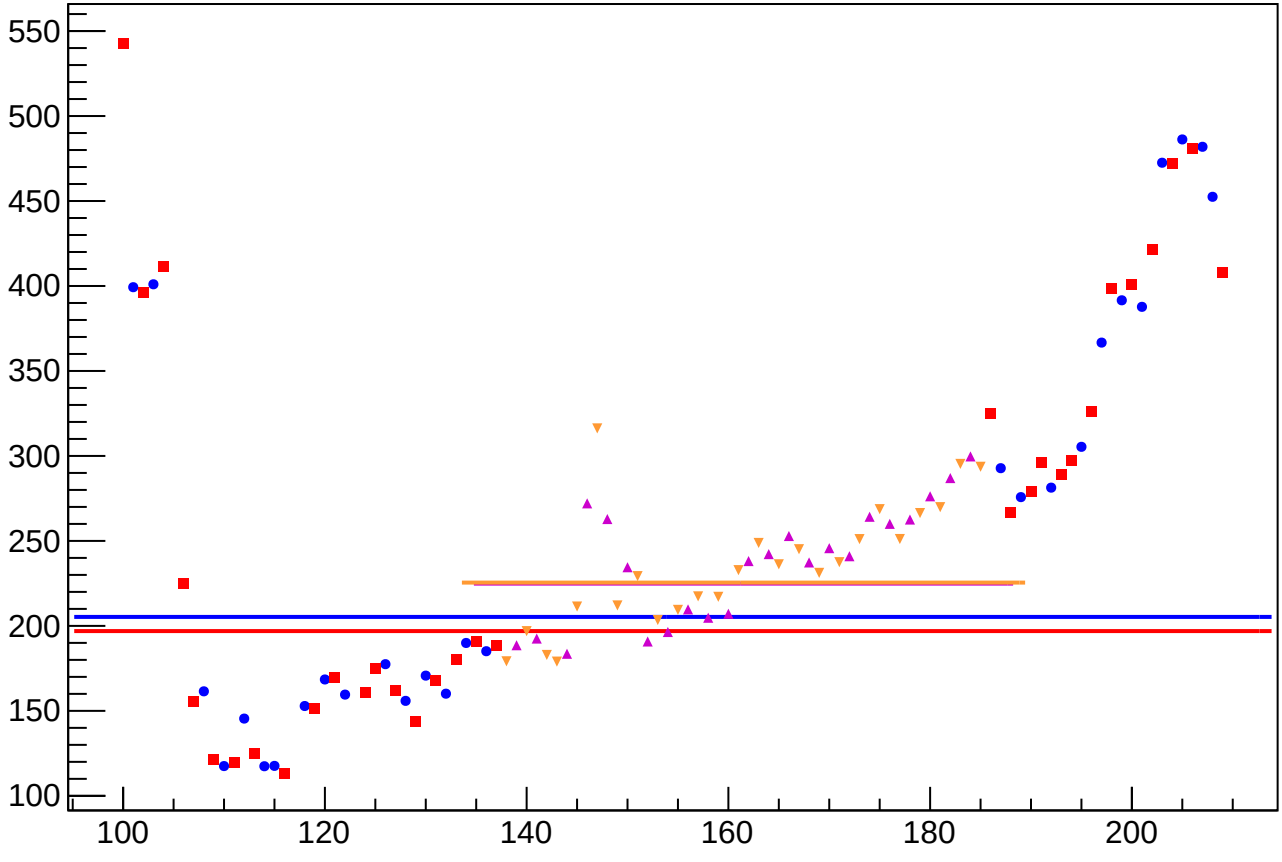
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144153.766+/-0.039 χ^2/NDF: 1555258055.5

All: 144114.166+/-0.027 χ^2/NDF: 29958037

- sign 144076.499+/-0.038 χ^2/NDF: 1438508021.7/

yield_bpm0l07WS_rms vs Slug



Right In: 205.283+/-0.041 χ^2/NDF: 5646784.8/26

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

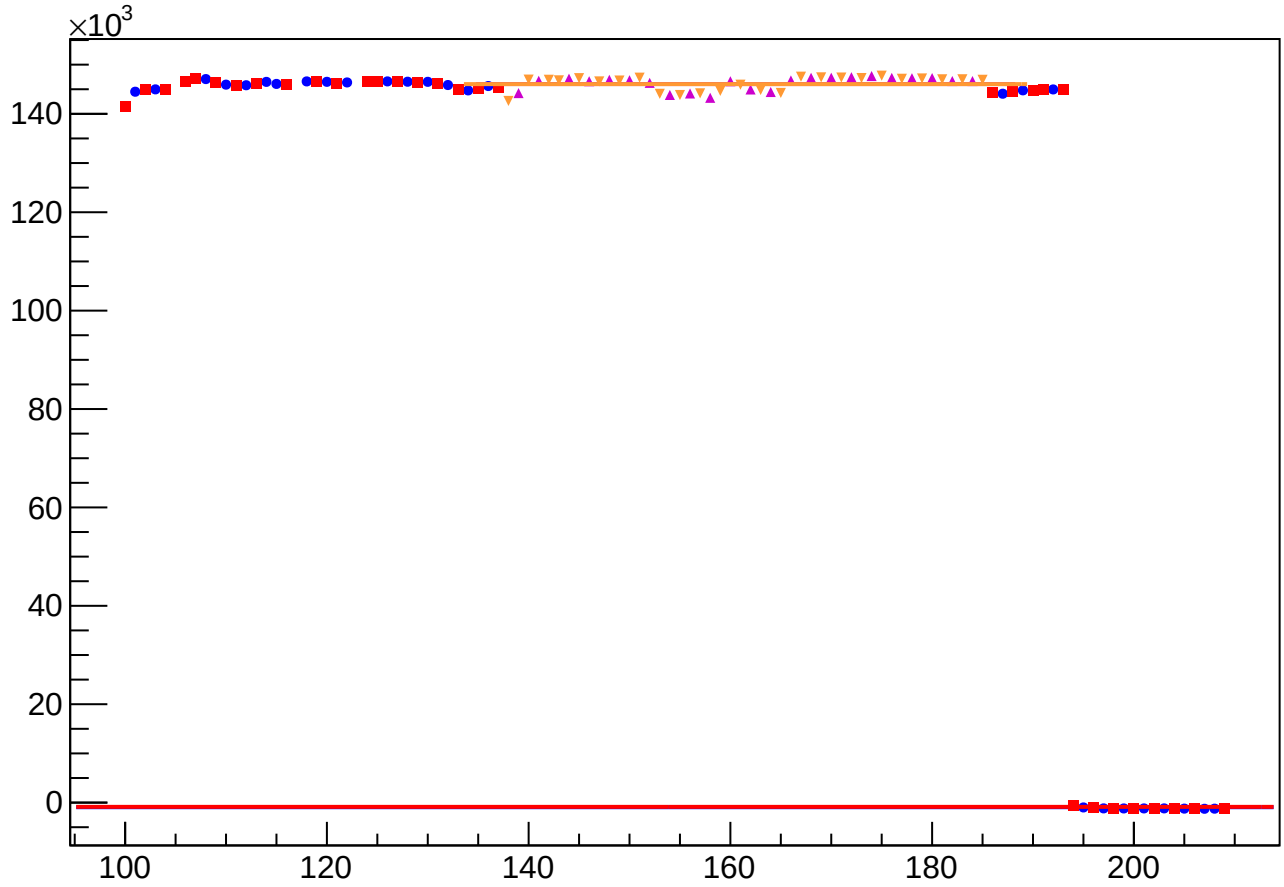
Right Out: 196.944+/-0.038 χ^2/NDF: 6431458.5/31

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 216.400+/-0.027 χ^2/NDF: 6556569.9/51

All: 213.550+/-0.019 χ^2/NDF: 14005907.0/10

- sign 210.840+/-0.027 χ^2/NDF: 7428239.0/54



Right In: -933.633+/-0.003 χ^2/NDF: 5375143877500.3/26

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -865.368+/-0.003 χ^2/NDF: 6464800108983.4/31

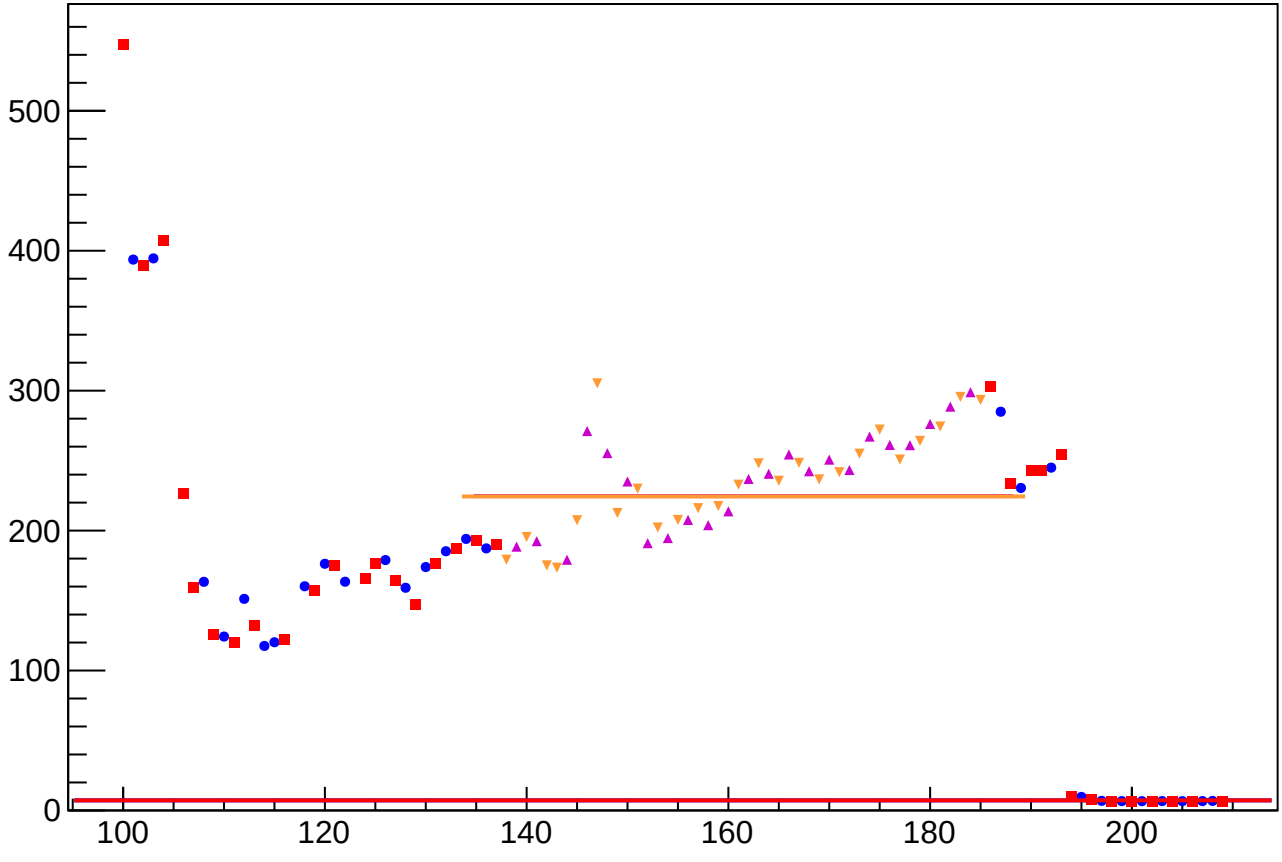
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -554.125+/-0.003 χ^2/NDF: 13341262628221

All: -523.659+/-0.002 χ^2/NDF: 2731217860

- sign -491.846+/-0.003 χ^2/NDF: 13970644319758.

yield_bpm0l08WS_rms vs Slug



Right In: 7.210+/-0.002 χ^2/NDF: 16113994.5/26

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

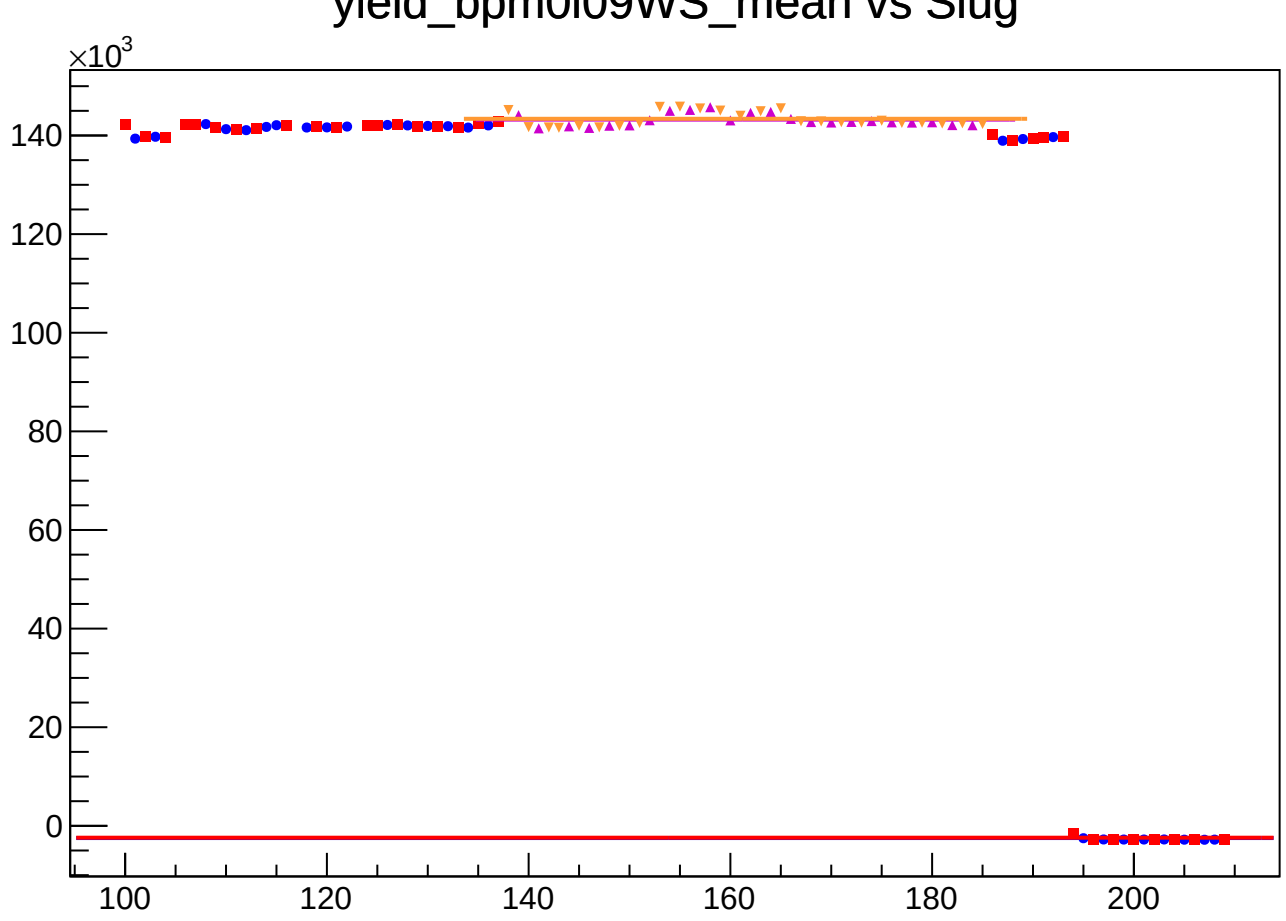
Right Out: 7.218+/-0.002 χ^2/NDF: 18430691.3/31

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.771+/-0.002 χ^2/NDF: 51752889.2/51

All: 7.771+/-0.001 χ^2/NDF: 103816770.1/106

- sign 7.770+/-0.002 χ^2/NDF: 52063880.9/54



Right In: -2473.869+/-0.003 χ^2/NDF: 4963238588215.3/26

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2404.906+/-0.003 χ^2/NDF: 5832998076259.7/31

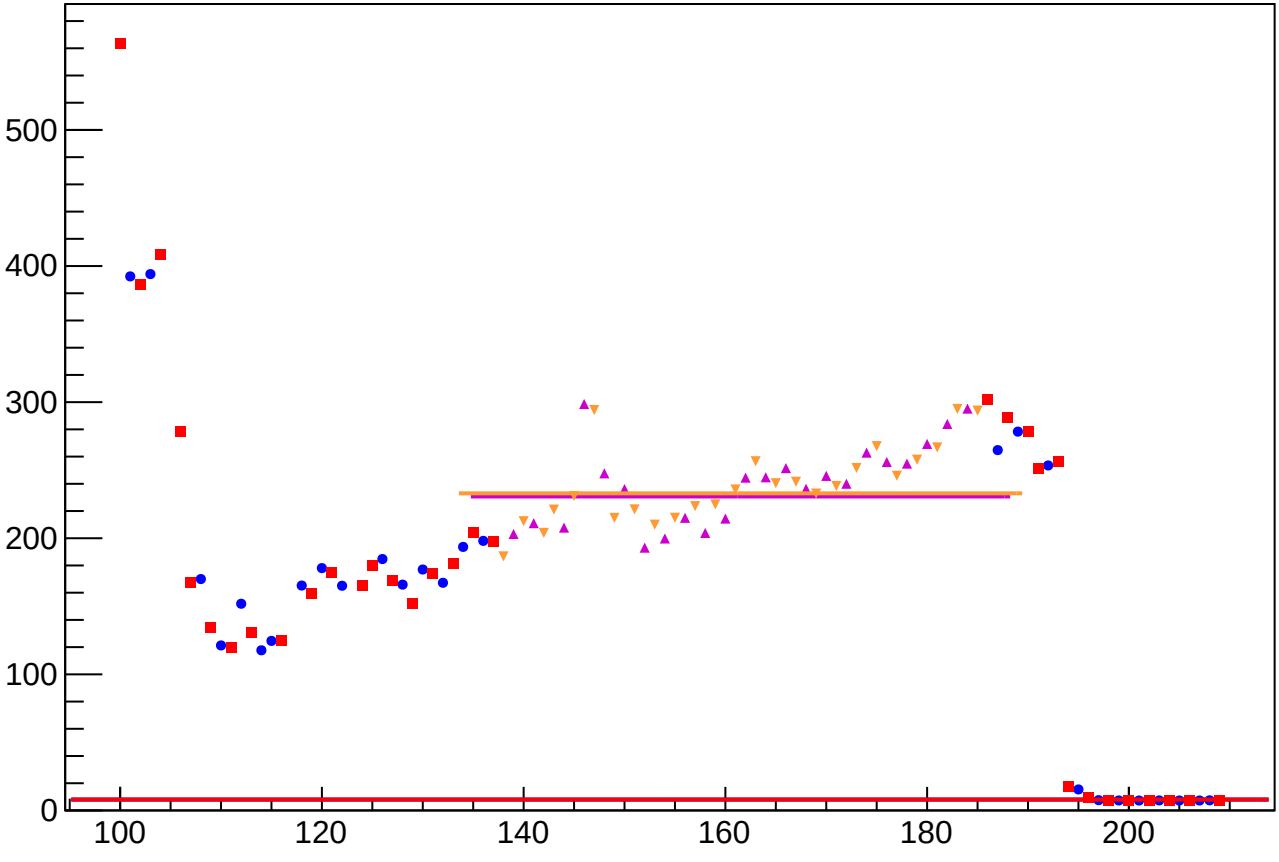
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2030.893+/-0.003 χ^2/NDF: 1232383175758

All: -1997.966+/-0.002 χ^2/NDF: 2519049449

- sign -1963.702+/-0.003 χ^2/NDF: 1286640996636

yield_bpm0l09WS_rms vs Slug



Right In: 8.002+/-0.002 χ^2/NDF: 16280134.7/26

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

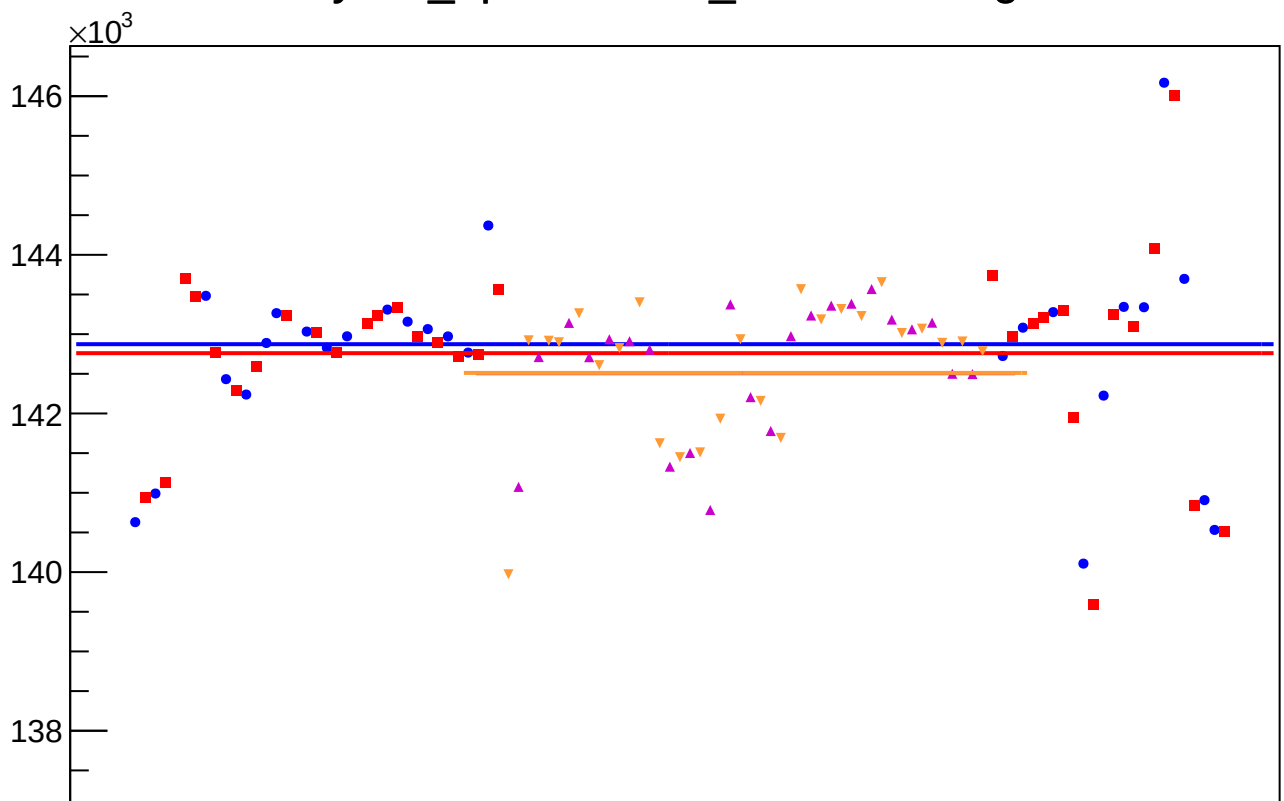
Right Out: 8.017+/-0.002 χ^2/NDF: 18477064.3/31

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.686+/-0.002 χ^2/NDF: 51753164.0/51

All: 8.689+/-0.001 χ^2/NDF: 103629514.4/106

- sign 8.691+/-0.002 χ^2/NDF: 51876346.7/54



Right In: 142873.463+/-0.060 χ^2/NDF: 272687436.6/26

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142760.196+/-0.055 χ^2/NDF: 237766236.0/31

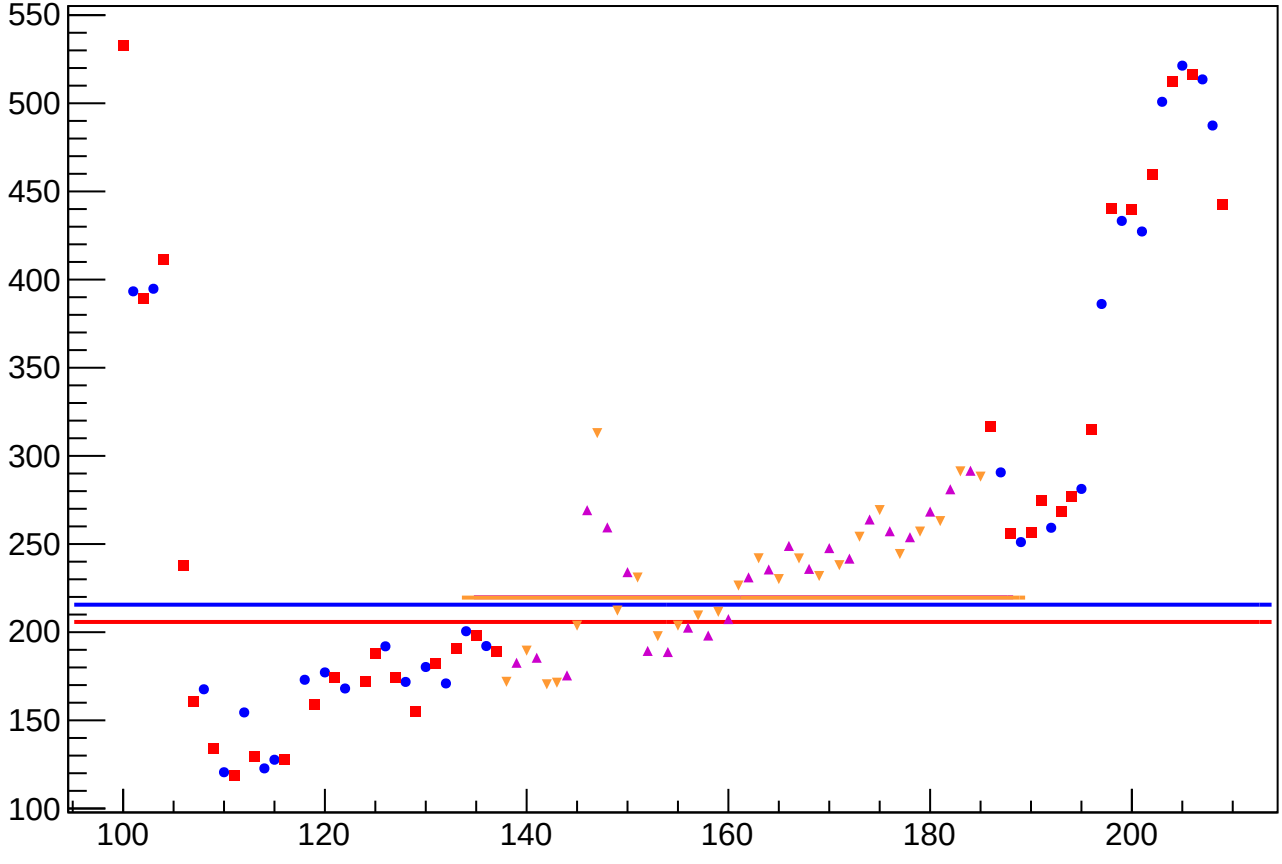
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142661.477+/-0.039 χ^2/NDF: 631751552.4/5

All: 142643.725+/-0.027 χ^2/NDF: 11501622

- sign 142626.751+/-0.038 χ^2/NDF: 518004268.8/5

yield_bpm0l10WS_rms vs Slug



Right In: 215.598+/-0.043 χ^2/NDF: 5385579.5/26

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

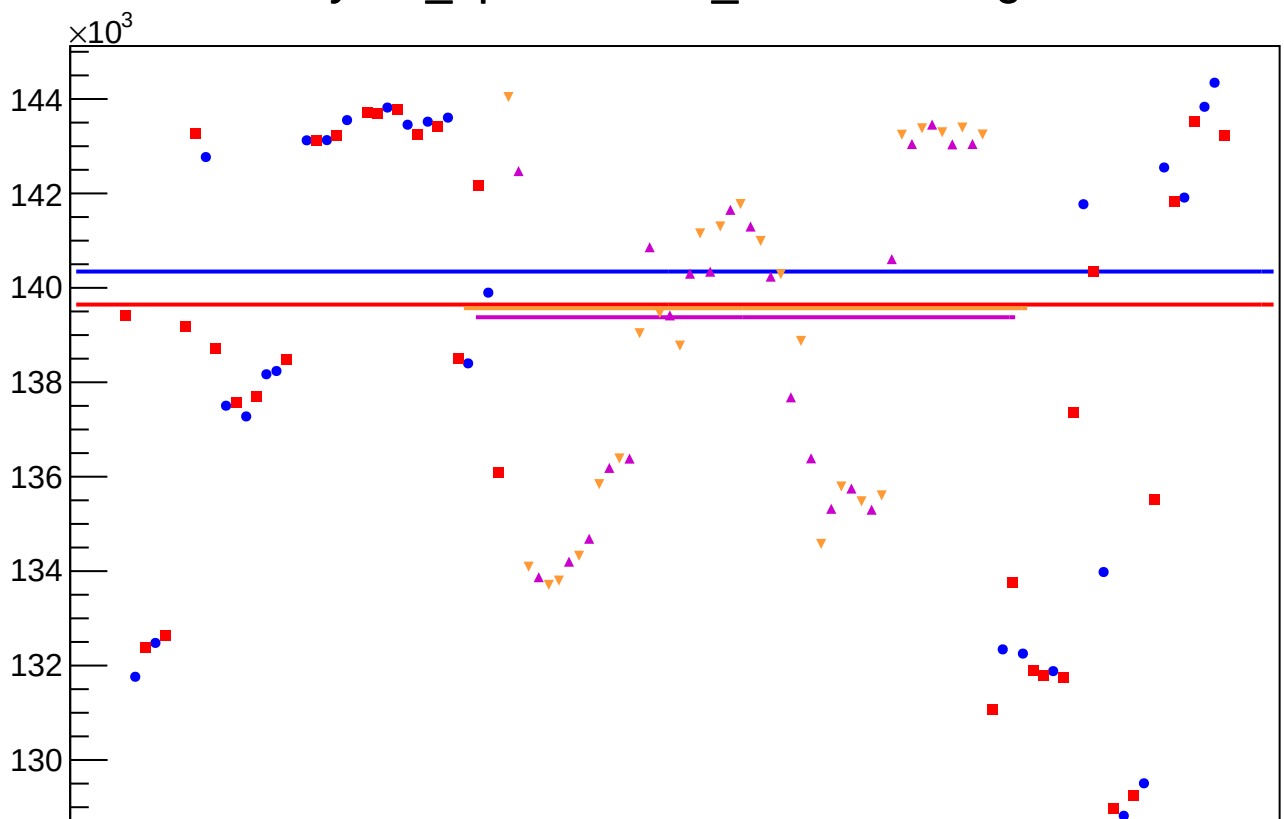
Right Out: 205.805+/-0.039 χ^2/NDF: 6102631.2/31

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 217.952+/-0.028 χ^2/NDF: 6292776.4/51

All: 215.525+/-0.019 χ^2/NDF: 13283529.4/10

- sign 213.204+/-0.027 χ^2/NDF: 6975563.5/54



Right In: 140345.606+/-0.085 χ^2/NDF: 2639487864.1/26

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139646.151+/-0.084 χ^2/NDF: 2792205805.1/31

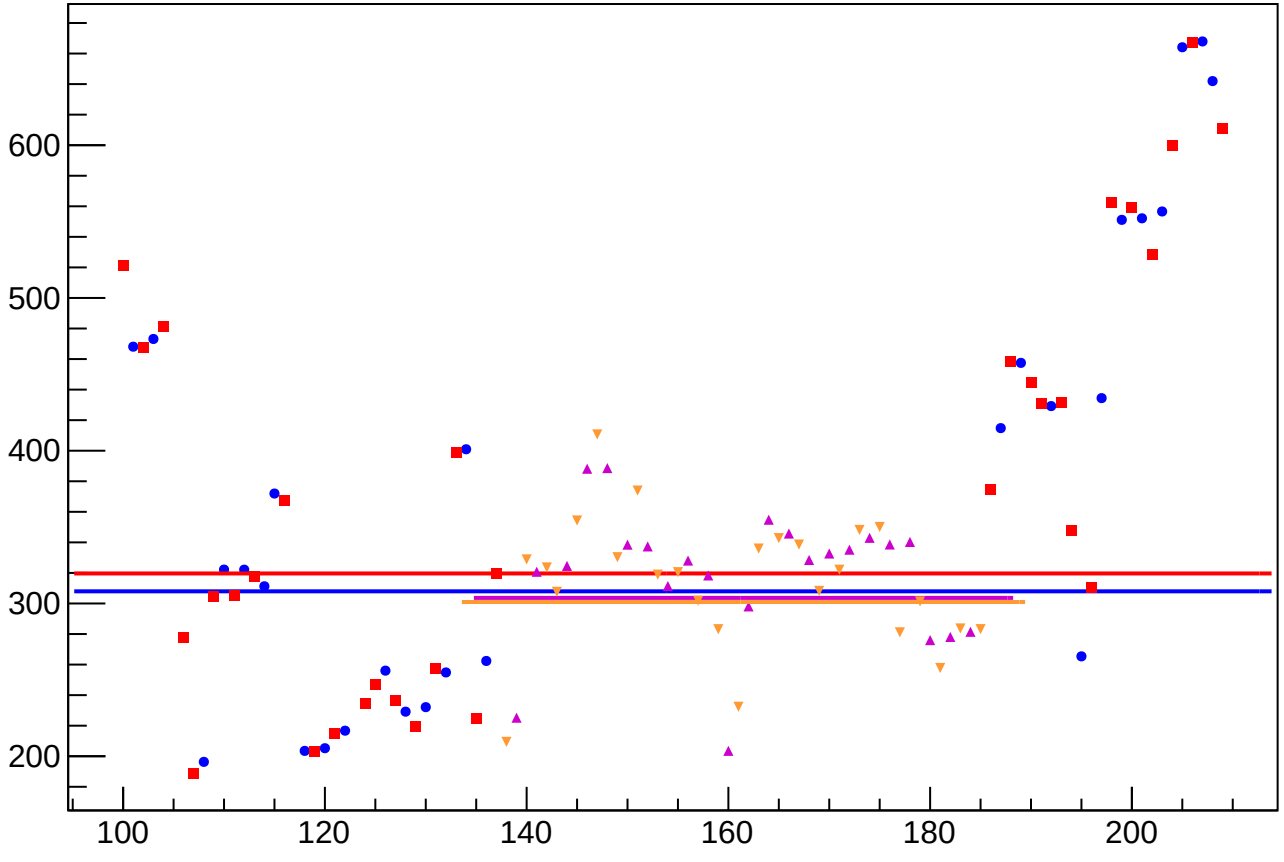
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139881.625+/-0.054 χ^2/NDF: 5275694029.3

All: 139690.707+/-0.039 χ^2/NDF: 10020486

- sign 139493.450+/-0.055 χ^2/NDF: 4719487908.1/

yield_bpm0r03WS_rms vs Slug



Right In: 307.955+/-0.060 χ^2/NDF: 4422918.5/26

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

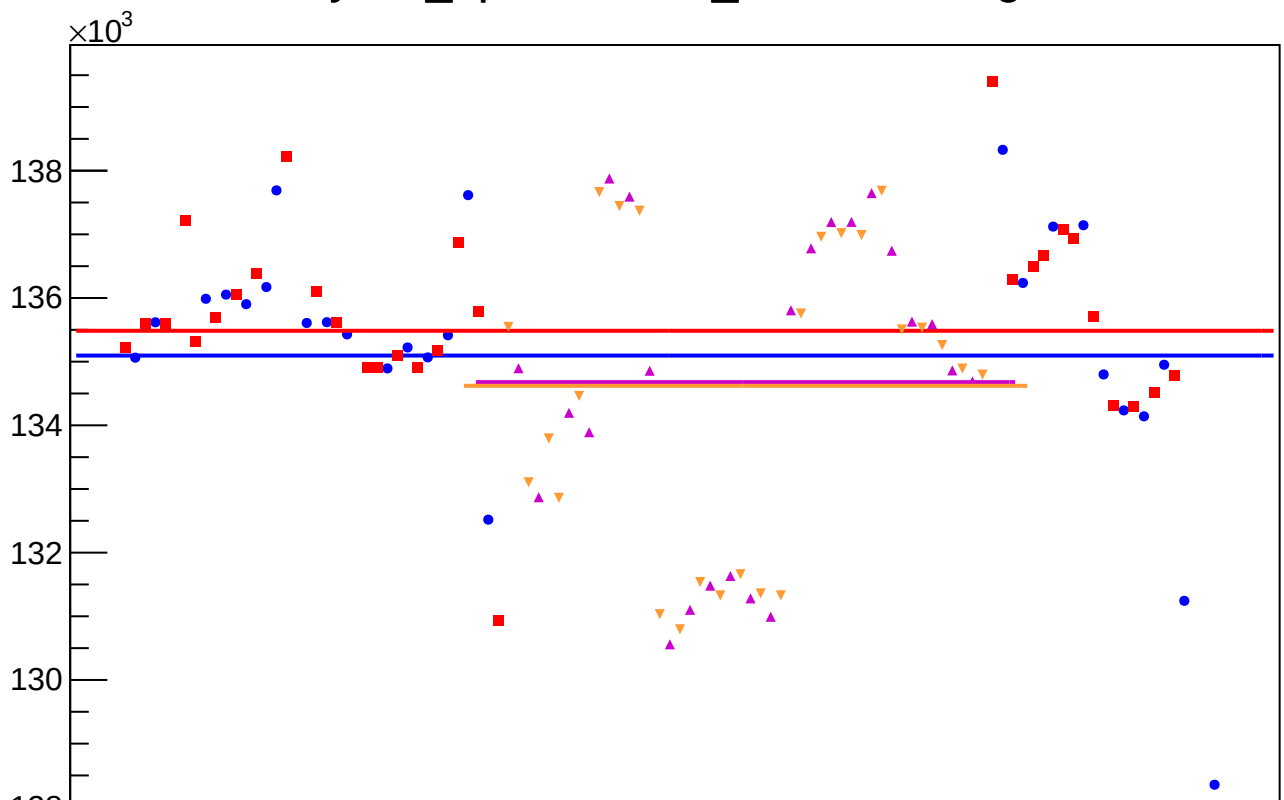
Right Out: 319.655+/-0.059 χ^2/NDF: 4281928.7/31

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 303.780+/-0.038 χ^2/NDF: 5307837.4/51

All: 307.114+/-0.027 χ^2/NDF: 10622945.0/10

- sign 310.560+/-0.039 χ^2/NDF: 5299668.4/54



Right In: 135095.934+/-0.080 χ^2/NDF: 675373631.8/26

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135485.208+/-0.072 χ^2/NDF: 762389111.1/31

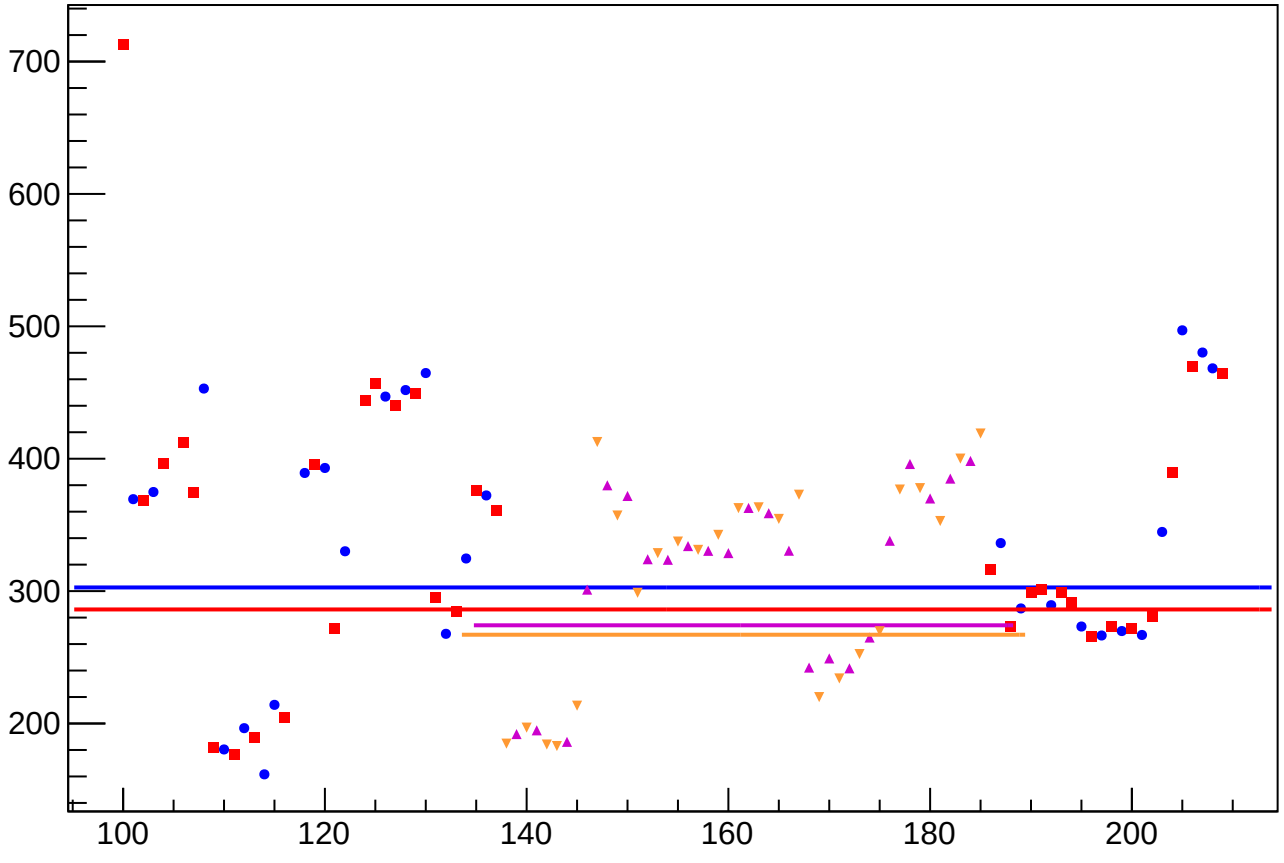
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134805.270+/-0.050 χ^2/NDF: 1898411810.9

All: 134929.095+/-0.035 χ^2/NDF: 38361368

- sign 135049.487+/-0.049 χ^2/NDF: 1925561120.9/

yield_bpm0r05WS_rms vs Slug



Right In: 302.769+/-0.057 χ^2/NDF: 2311753.9/26

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

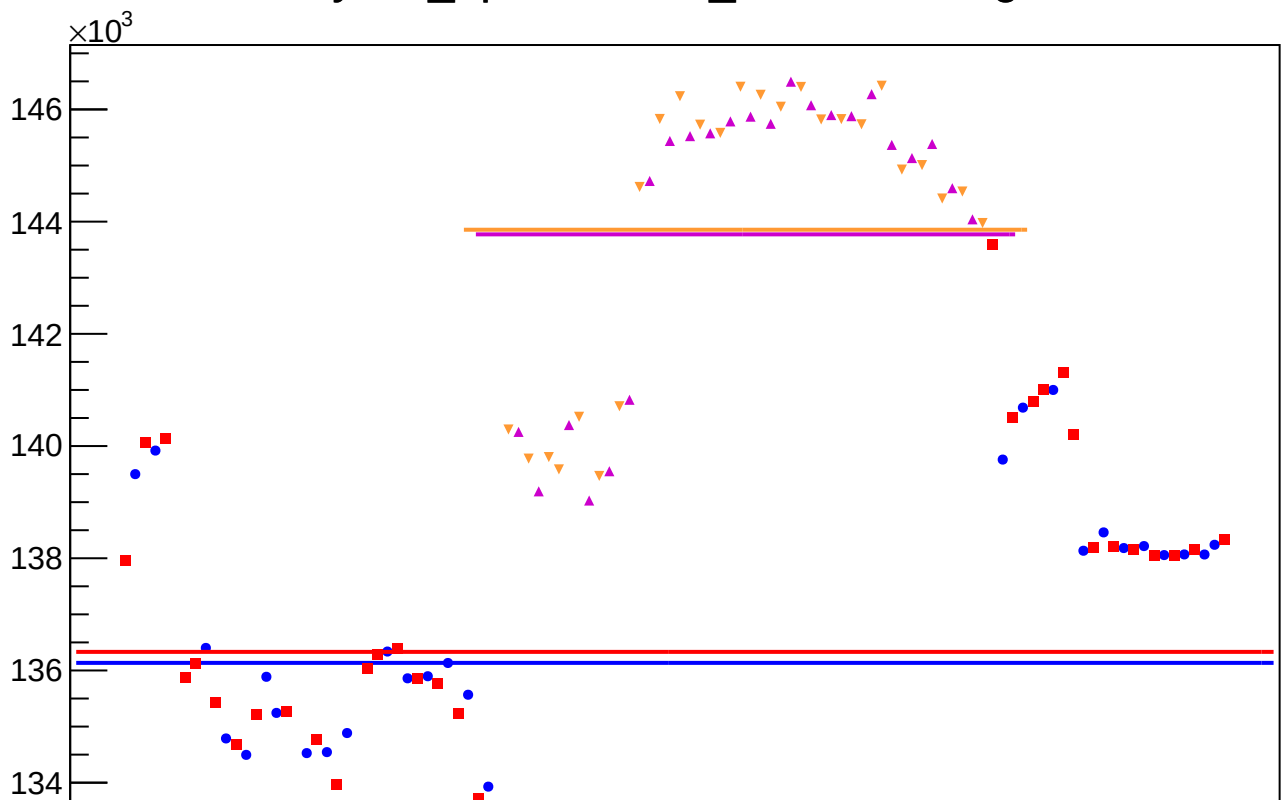
Right Out: 286.147+/-0.051 χ^2/NDF: 2452542.0/31

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 280.911+/-0.035 χ^2/NDF: 5398741.5/51

All: 280.288+/-0.025 χ^2/NDF: 10118100.5/10

- sign 279.682+/-0.035 χ^2/NDF: 4718742.6/54



Right In: 136135.444+/-0.047 χ^2/NDF: 1552782188.9/26

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136331.404+/-0.044 χ^2/NDF: 2226046781.7/31

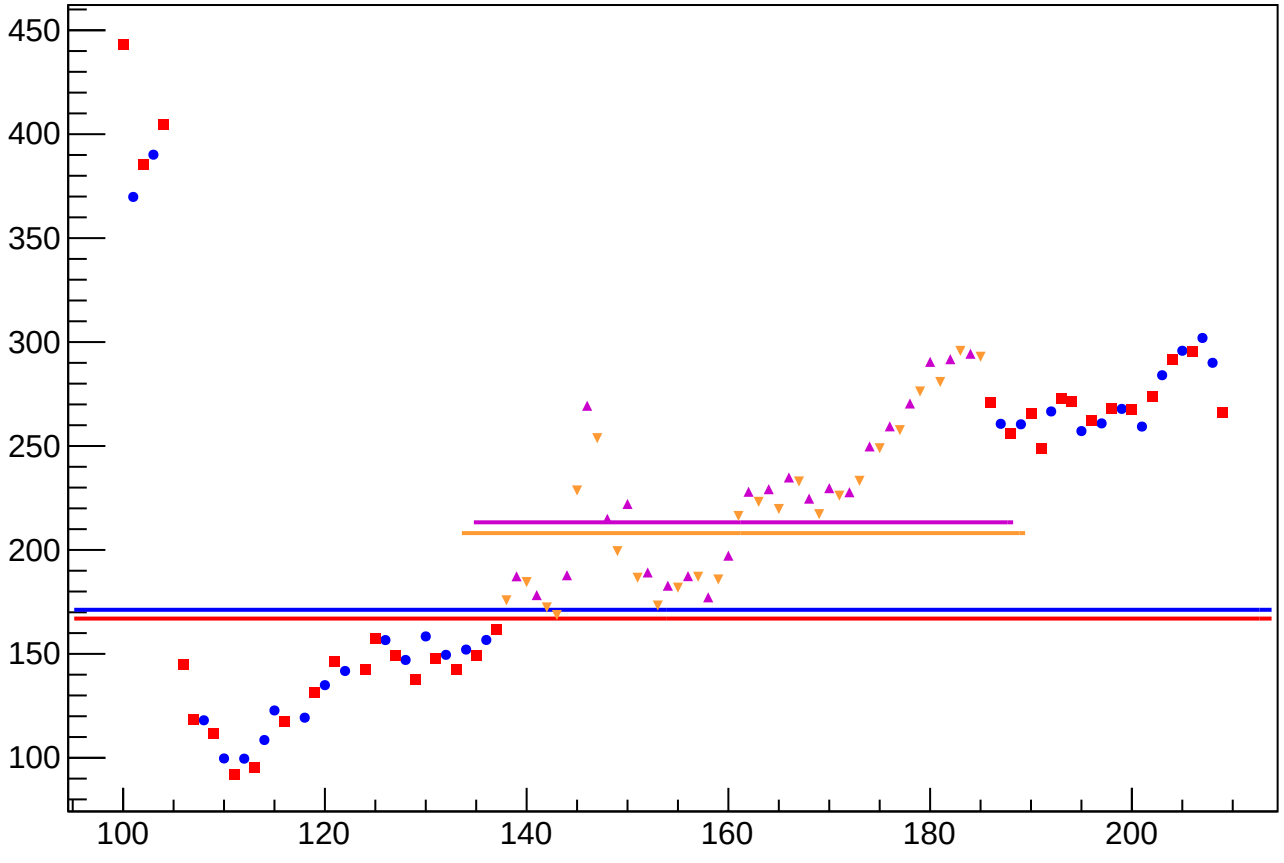
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139905.320+/-0.034 χ^2/NDF: 1773845481

All: 139726.886+/-0.024 χ^2/NDF: 3493966

- sign 139551.396+/-0.033 χ^2/NDF: 1714584785

yield_bpm0i02WS_rms vs Slug



Right In: 171.212+/-0.033 χ^2/NDF: 4627495.2/26

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

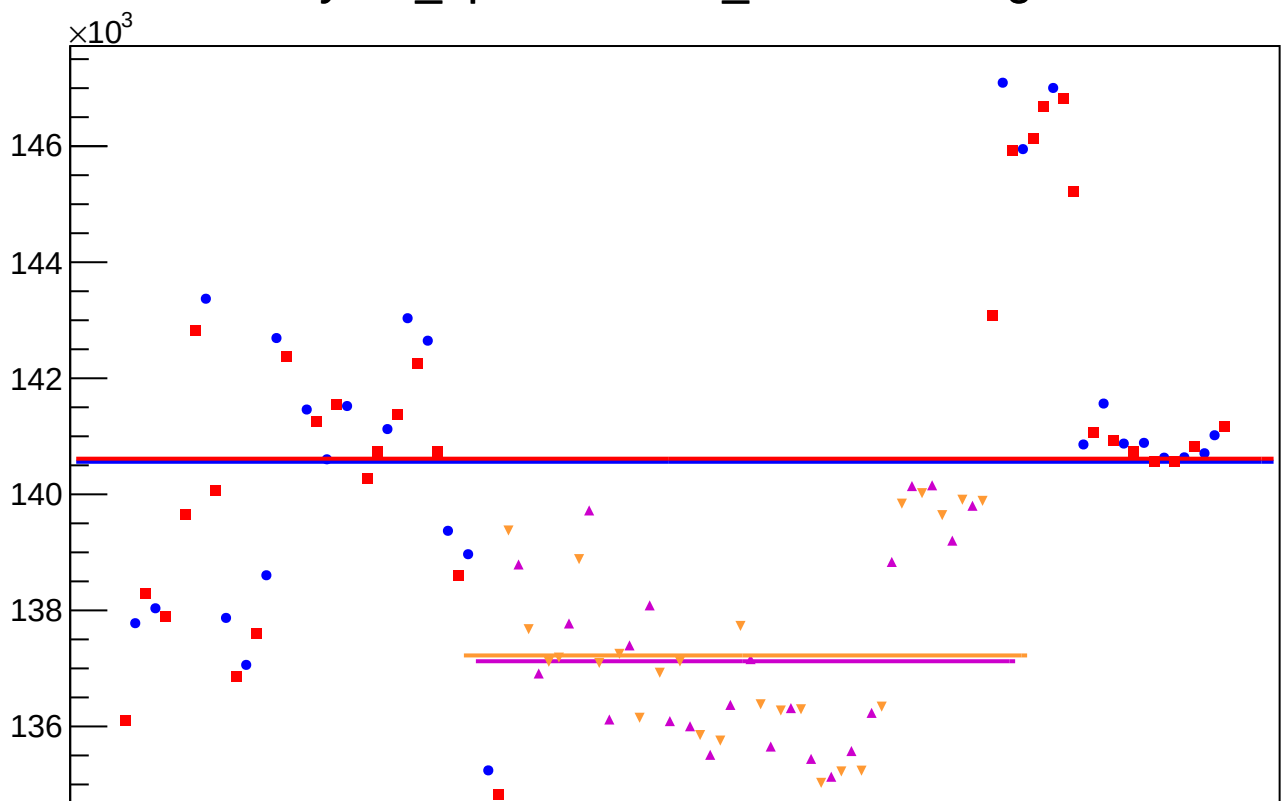
Right Out: 166.983+/-0.031 χ^2/NDF: 5419093.3/31

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 189.224+/-0.024 χ^2/NDF: 6216612.5/51

All: 188.112+/-0.017 χ^2/NDF: 13443760.8/10

- sign 187.019+/-0.024 χ^2/NDF: 7222849.1/54



Right In: 140561.184+/-0.053 χ^2/NDF: 2809558599.1/26

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140614.359+/-0.050 χ^2/NDF: 3242919680.4/31

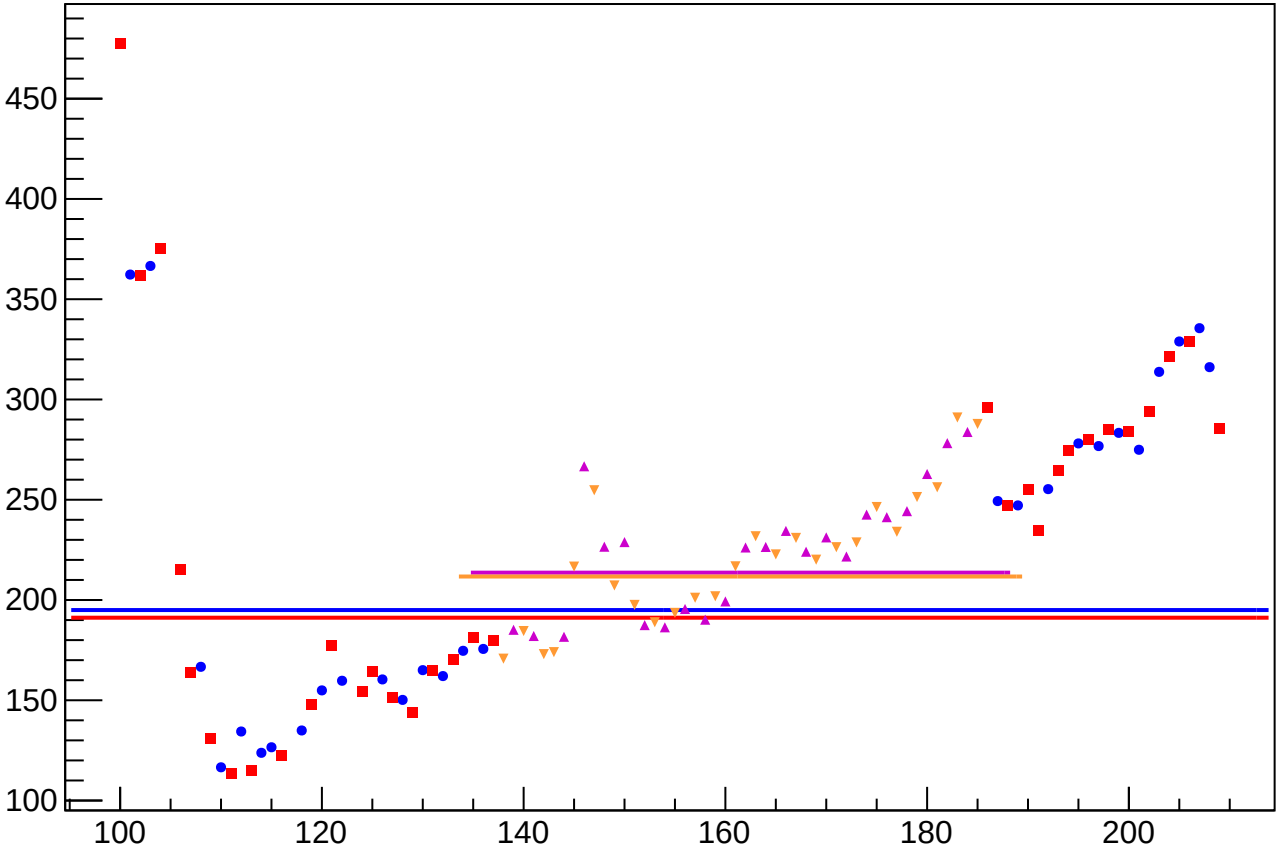
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138769.726+/-0.036 χ^2/NDF: 5849140272.5

All: 138838.142+/-0.025 χ^2/NDF: 12359929

- sign 138905.365+/-0.036 χ^2/NDF: 6503665837.7/

yield_bpm0i02aWS_rms vs Slug



Right In: 194.990+/-0.037 χ^2/NDF: 3593494.2/26

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

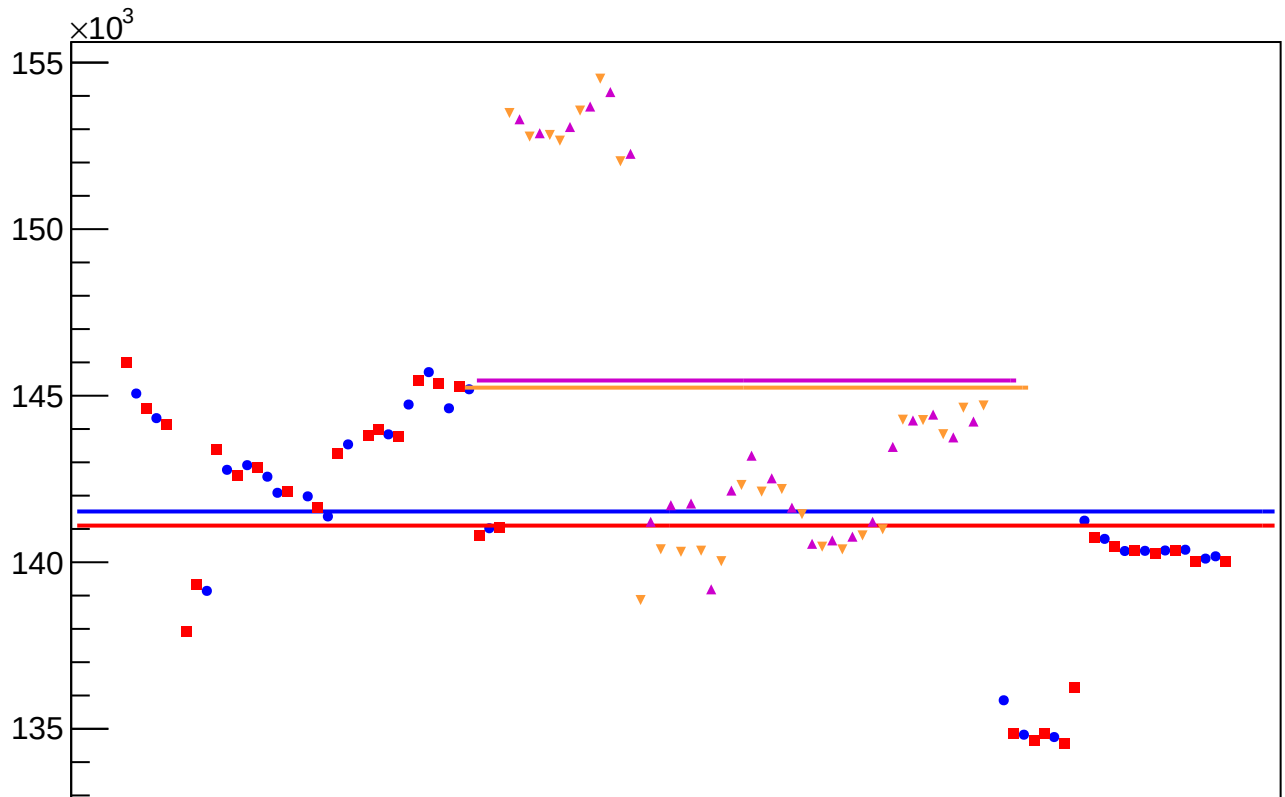
Right Out: 191.175+/-0.035 χ^2/NDF: 4191388.3/31

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 203.966+/-0.025 χ^2/NDF: 4376802.3/51

All: 203.062+/-0.018 χ^2/NDF: 9390853.0/106

- sign 202.173+/-0.025 χ^2/NDF: 5011538.9/54



Right In: 141524.511+/-0.053 χ^2/NDF: 2801429304.0/26

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141100.787+/-0.049 χ^2/NDF: 4423787016.3/31

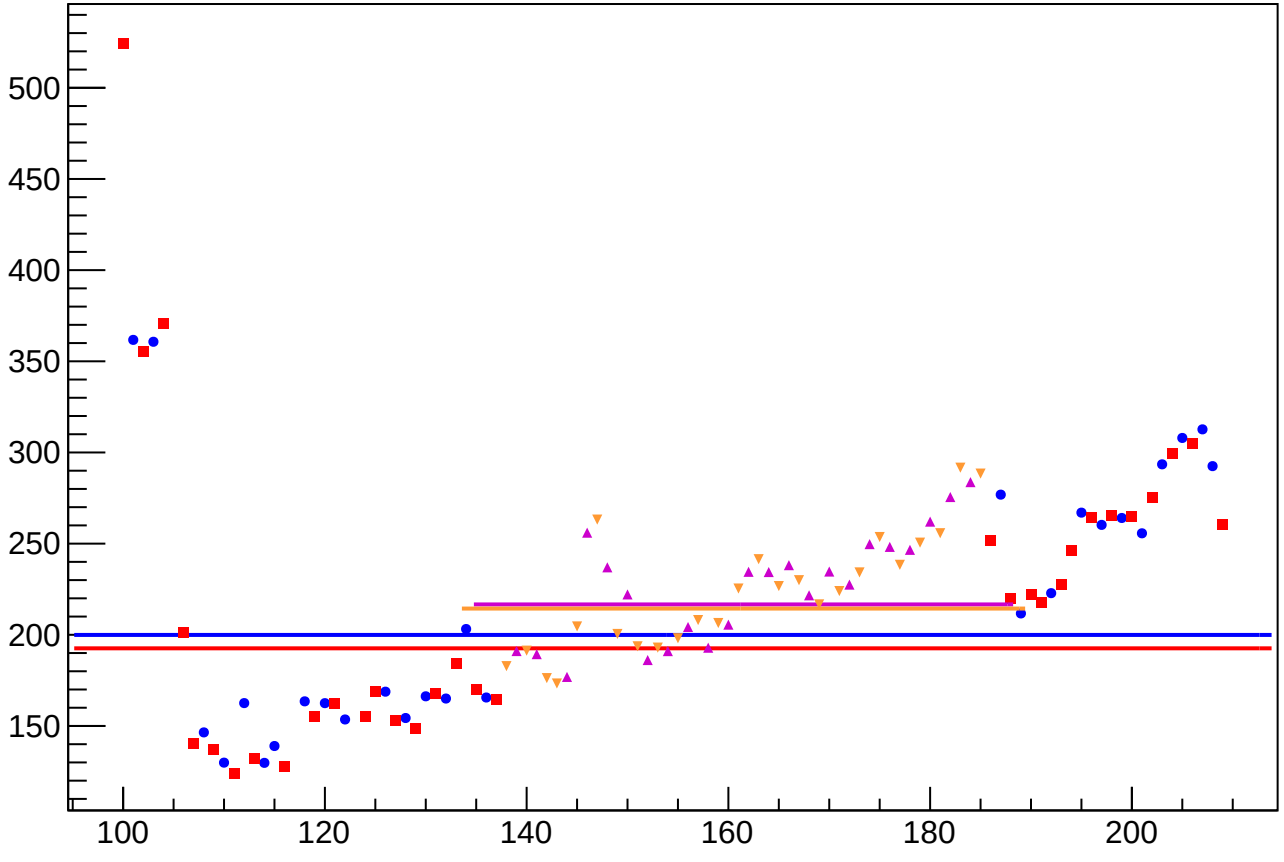
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143512.688+/-0.036 χ^2/NDF: 18446081084.

All: 143343.131+/-0.025 χ^2/NDF: 37714025

- sign 143179.634+/-0.036 χ^2/NDF: 19225056523.5

yield_bpm0i05WS_rms vs Slug



Right In: 199.929+/-0.038 χ^2/NDF: 2600629.5/26

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

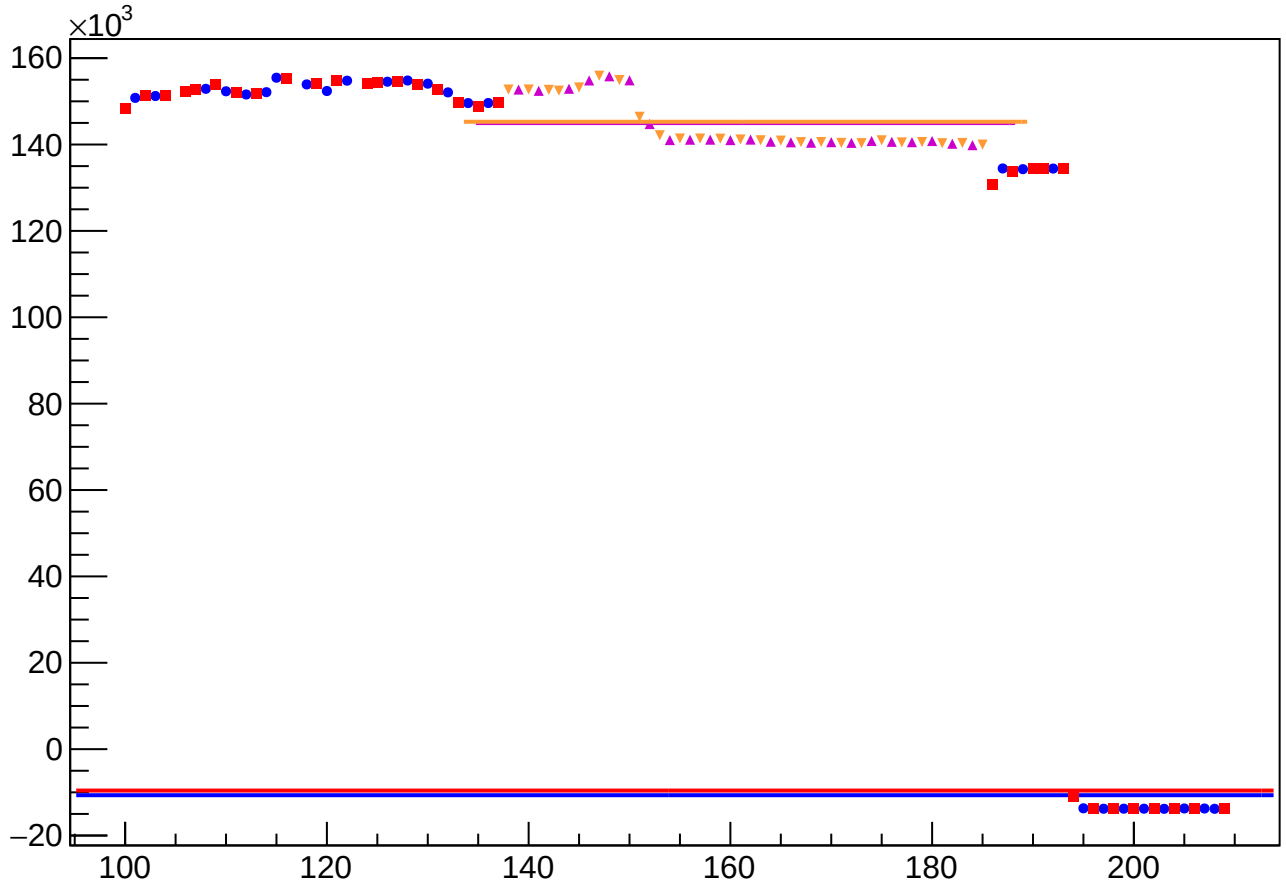
Right Out: 192.580+/-0.035 χ^2/NDF: 3014268.2/31

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 207.663+/-0.026 χ^2/NDF: 3323049.6/51

All: 205.834+/-0.018 χ^2/NDF: 7162234.8/106

- sign 204.069+/-0.025 χ^2/NDF: 3829198.3/54



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9586.344+/-0.009 χ^2/NDF: 7134274483528.4/31

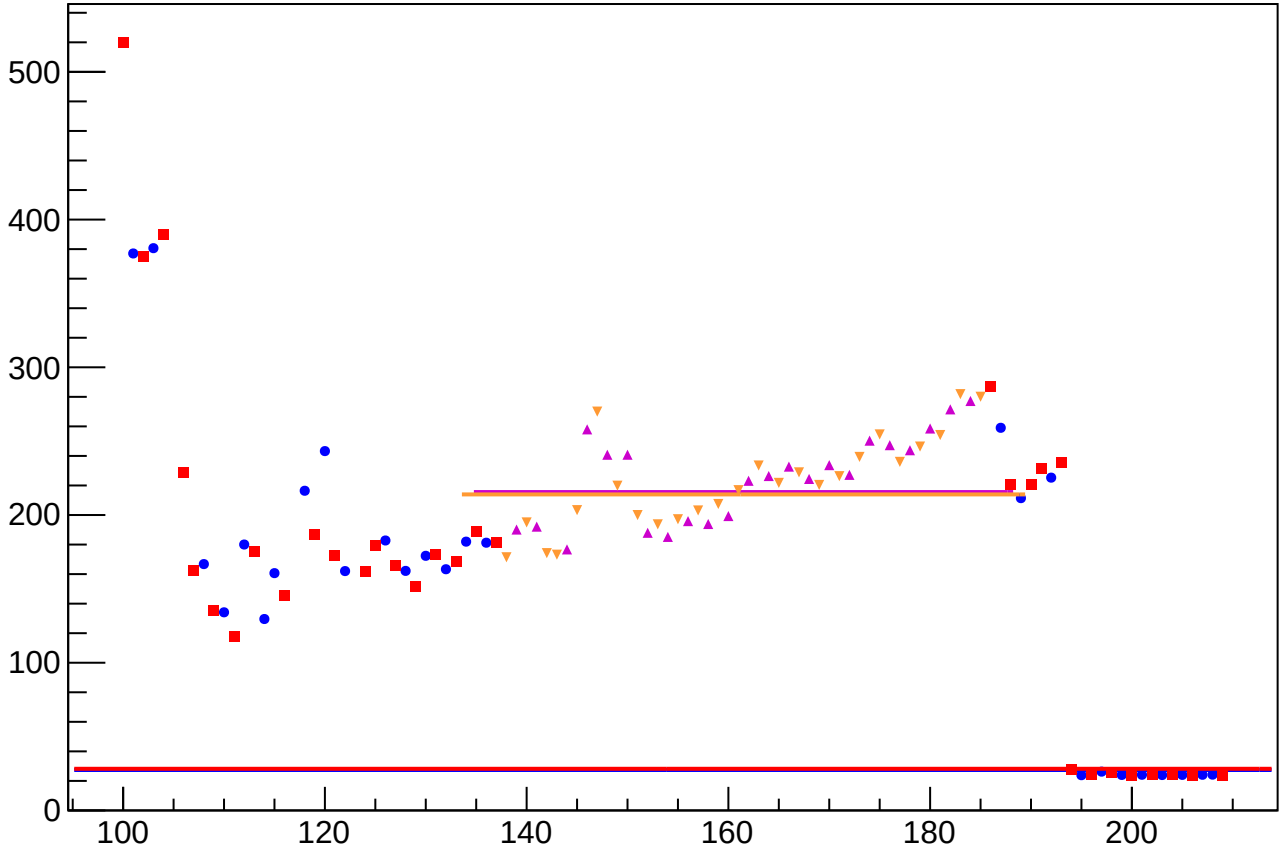
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5414.696+/-0.009 χ^2/NDF: 1551739641716

All: -4961.840+/-0.006 χ^2/NDF: 3147969865

- sign -4484.483+/-0.009 χ^2/NDF: 1595717171357

yield_bpm0i07WS_rms vs Slug



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

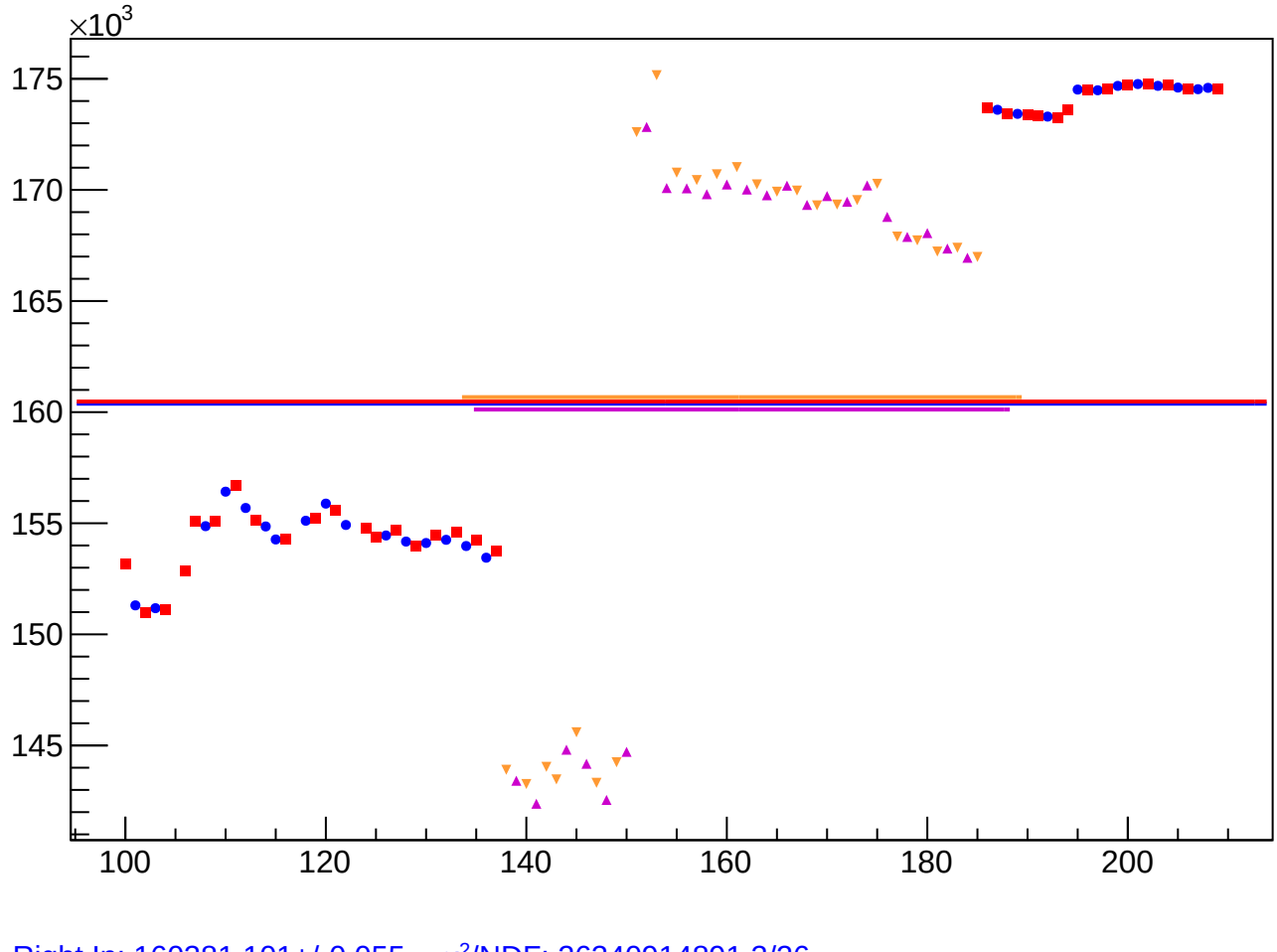
Right Out: 28.204+/-0.007 χ^2/NDF: 14435245.6/31

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.676+/-0.006 χ^2/NDF: 40892246.1/51

All: 34.023+/-0.005 χ^2/NDF: 81820715.0/106

- sign 34.388+/-0.007 χ^2/NDF: 40922461.8/54



Right In: 160381.101+/-0.055 χ^2/NDF: 26340914891.3/26

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160475.941+/-0.051 χ^2/NDF: 29804818430.3/31

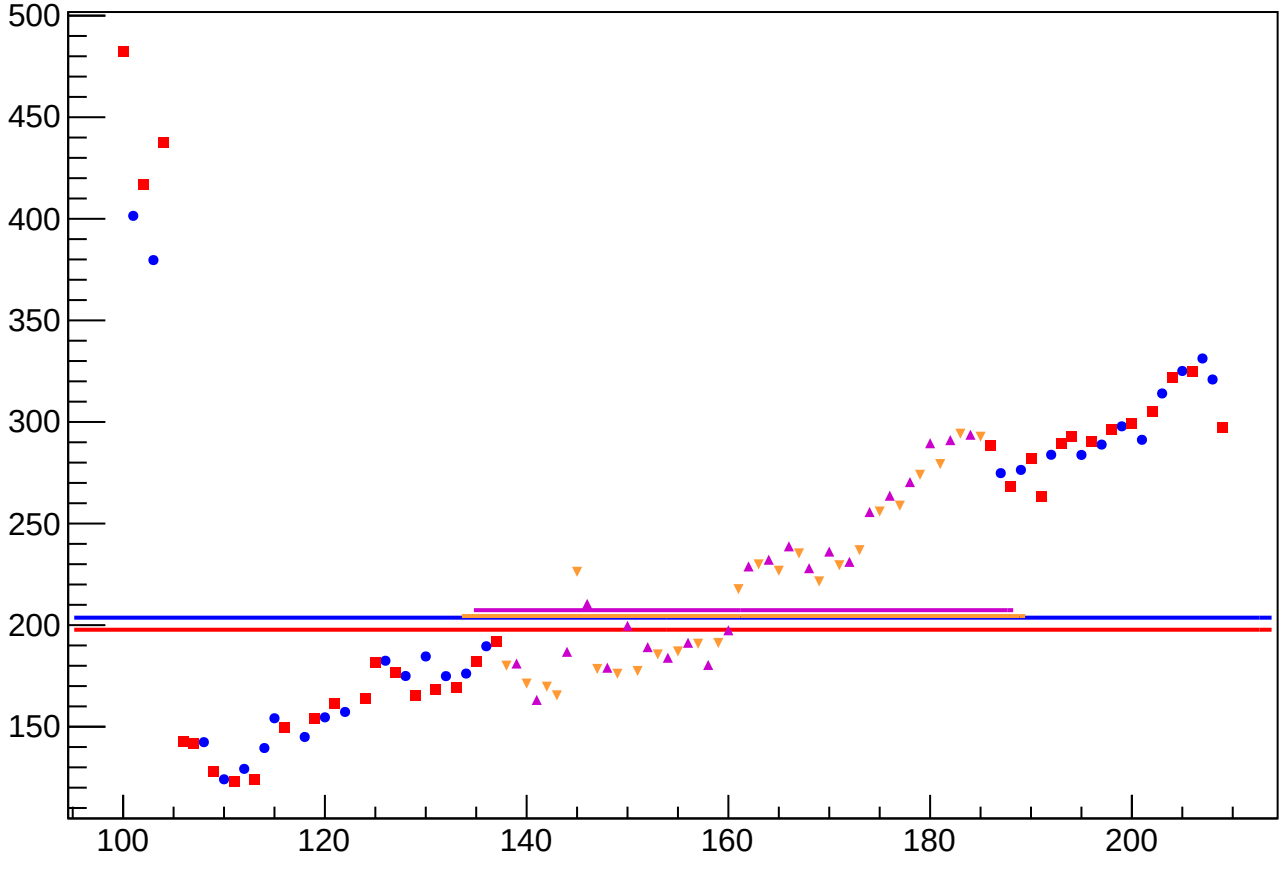
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160549.676+/-0.036 χ^2/NDF: 10051241257

All: 160418.630+/-0.025 χ^2/NDF: 19692216

- sign 160289.858+/-0.036 χ^2/NDF: 96383337037.8

yield_bpm1i02WS_rms vs Slug



Right In: 203.677+/-0.039 χ^2/NDF: 3590447.8/26

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

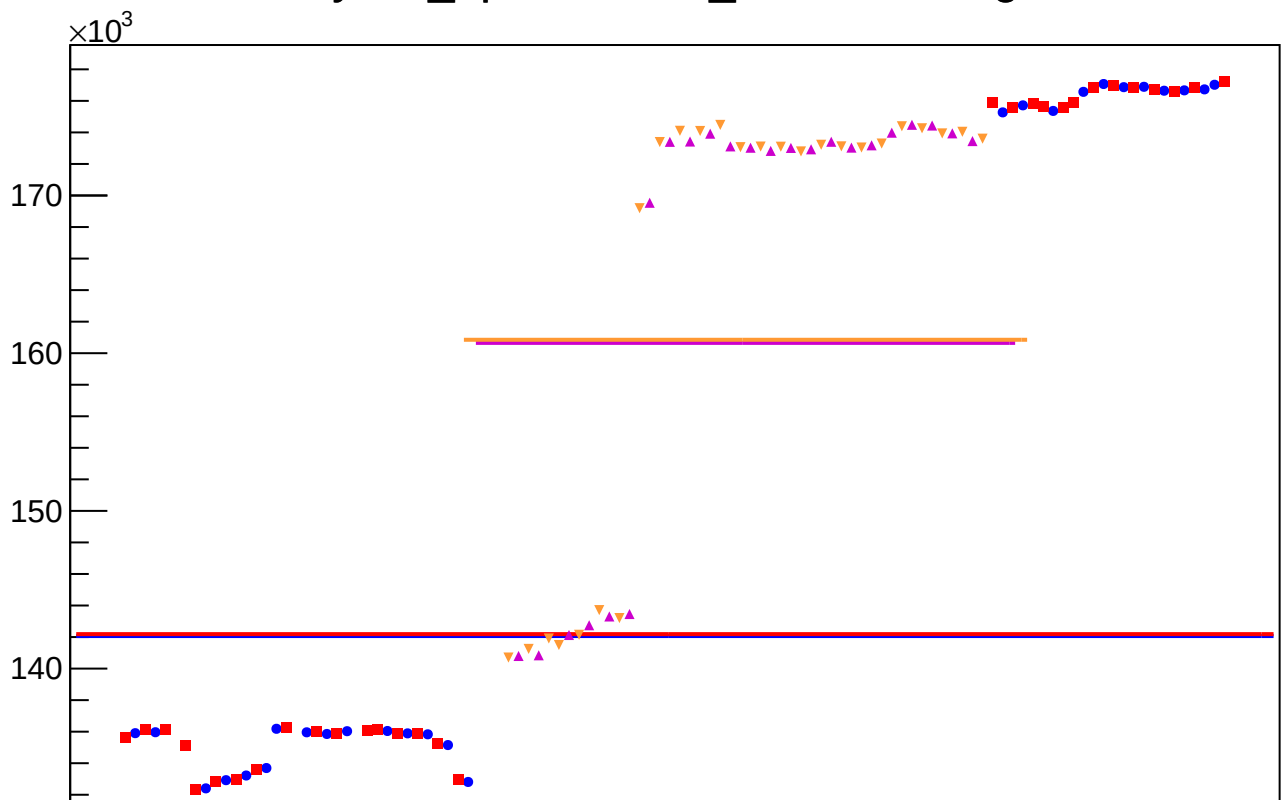
Right Out: 197.739+/-0.036 χ^2/NDF: 4305109.2/31

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 204.136+/-0.025 χ^2/NDF: 4663889.0/51

All: 203.430+/-0.018 χ^2/NDF: 9963721.7/106

- sign 202.737+/-0.025 χ^2/NDF: 5298302.5/54



Right In: 142063.302+/-0.046 χ^2/NDF: 128517631506.0/26

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 142186.029+/-0.043 χ^2/NDF: 147816098494.8/31

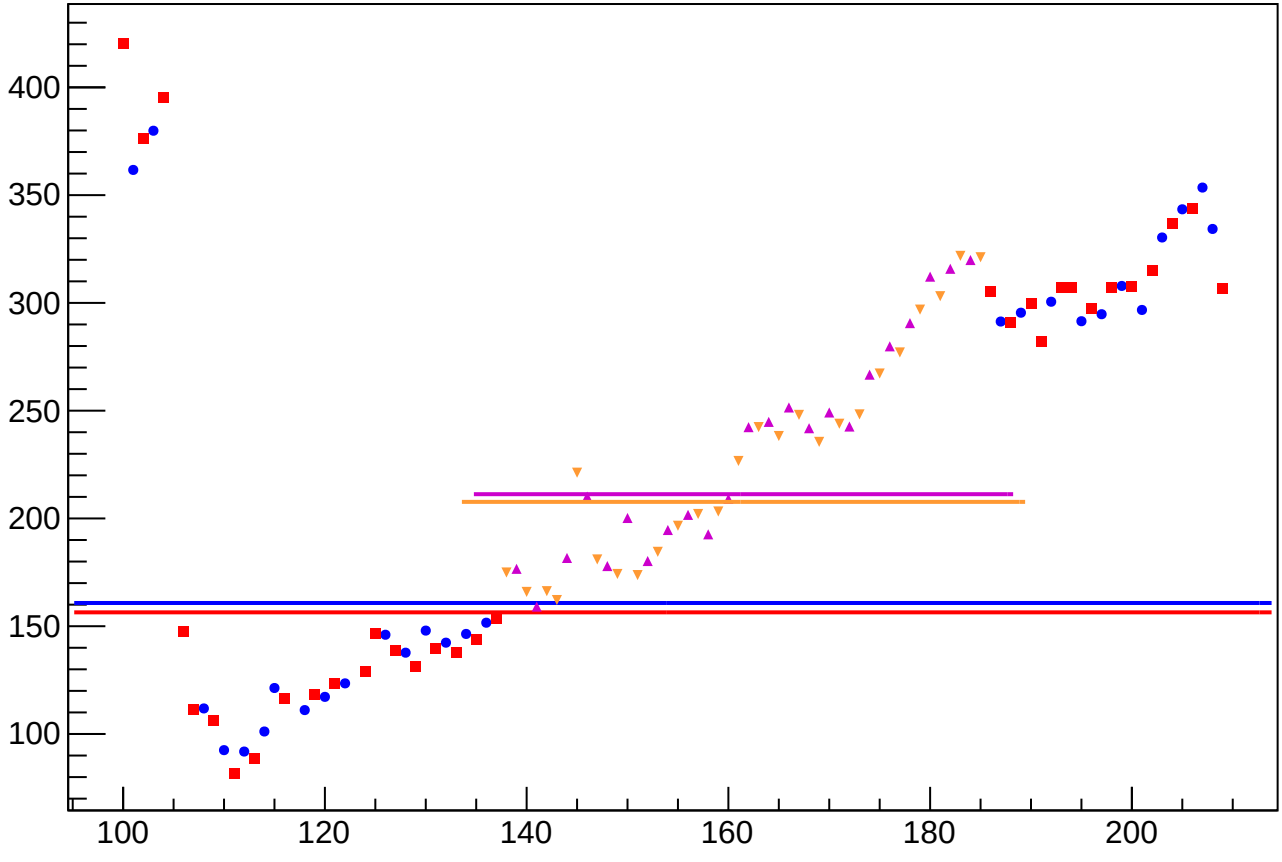
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 150954.233+/-0.033 χ^2/NDF: 306998551438

All: 150455.329+/-0.023 χ^2/NDF: 62245158

- sign 149970.121+/-0.033 χ^2/NDF: 315010683430

yield_bpm1i04WS_rms vs Slug



Right In: 160.780+/-0.032 χ^2/NDF: 6477071.4/26

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

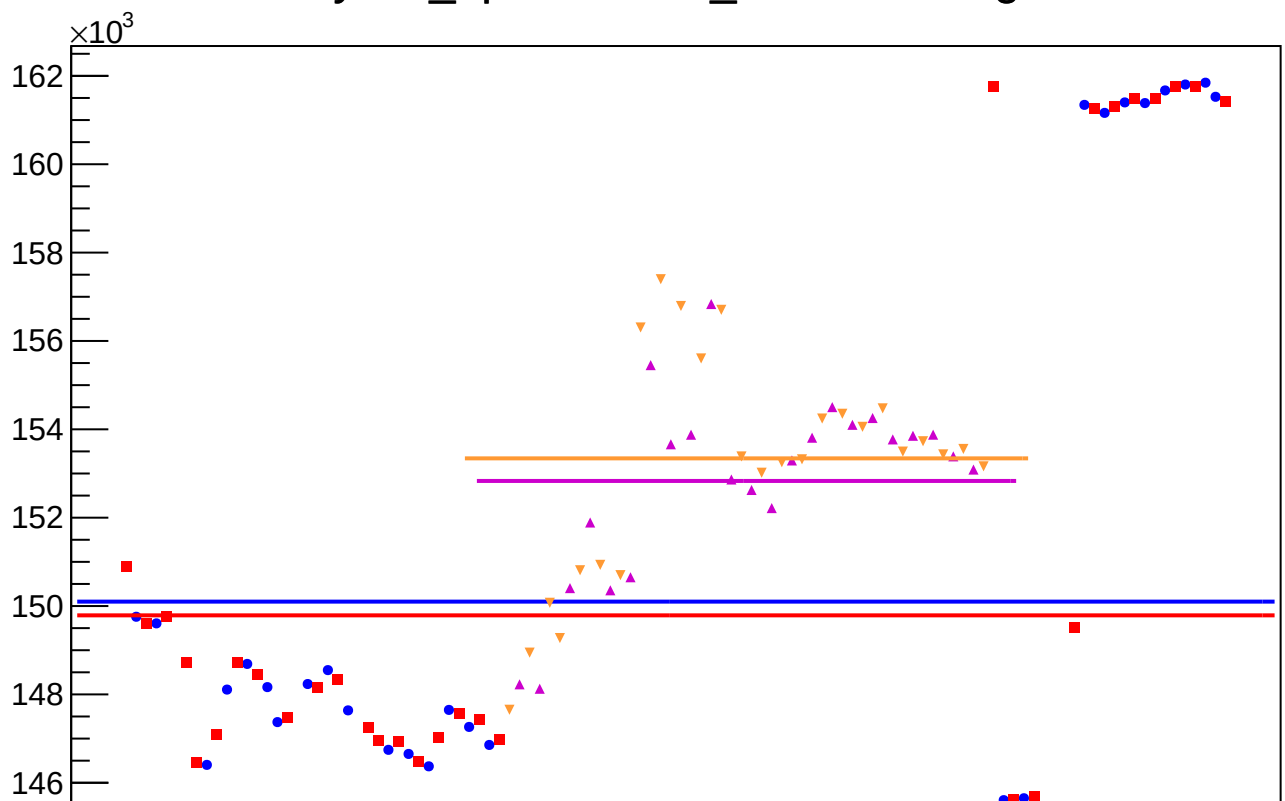
Right Out: 156.432+/-0.031 χ^2/NDF: 7535530.8/31

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 182.979+/-0.024 χ^2/NDF: 8966206.3/51

All: 181.235+/-0.017 χ^2/NDF: 19176085.7/10

- sign 179.539+/-0.023 χ^2/NDF: 10199070.7/54



Right In: 150100.082+/-0.054 χ^2/NDF: 10920685686.8/26

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149789.297+/-0.050 χ^2/NDF: 10724102553.2/31

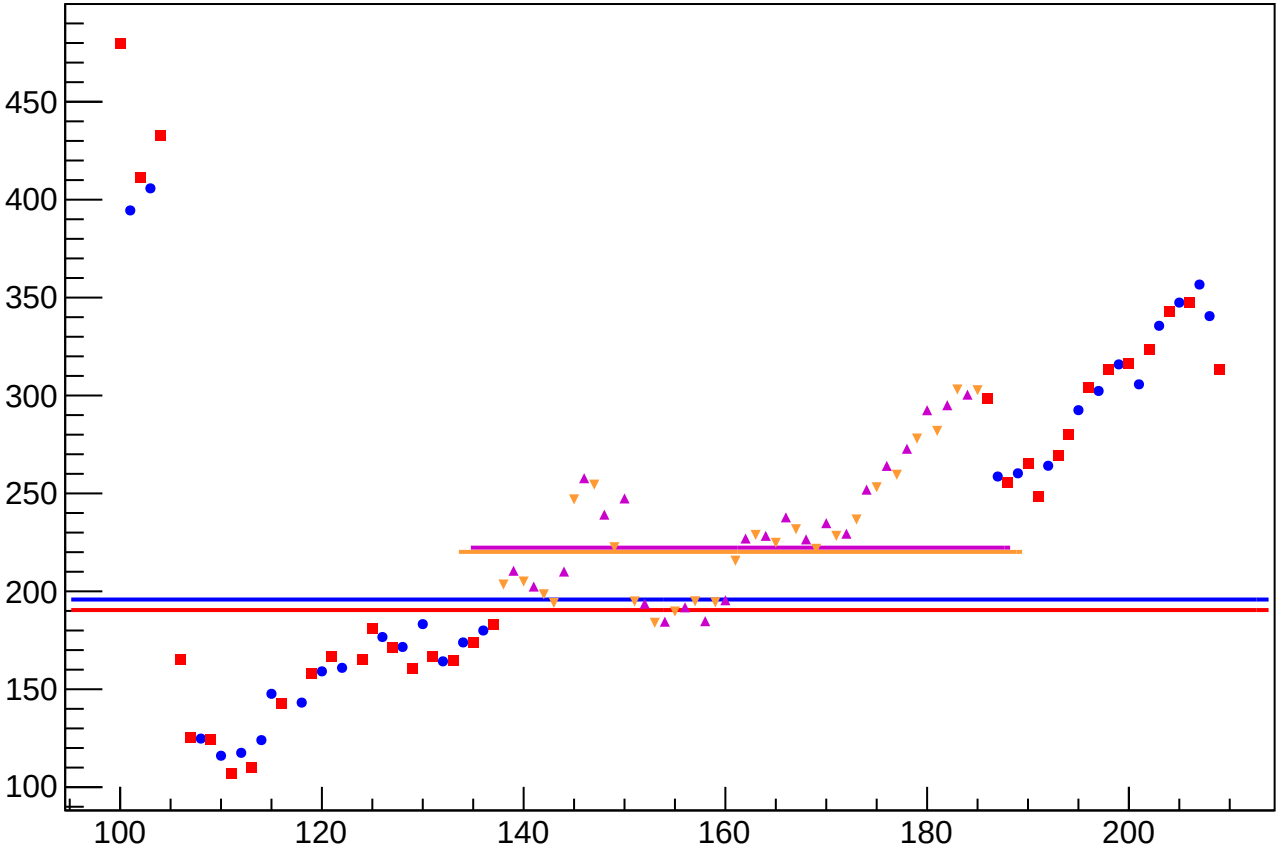
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151811.079+/-0.037 χ^2/NDF: 15823432685.

All: 151518.377+/-0.026 χ^2/NDF: 30329272

- sign 151233.842+/-0.036 χ^2/NDF: 14381769667.

yield_bpm1i06WS_rms vs Slug



Right In: 195.821+/-0.038 χ^2/NDF: 4423808.9/26

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 190.441+/-0.036 χ^2/NDF: 5092874.4/31

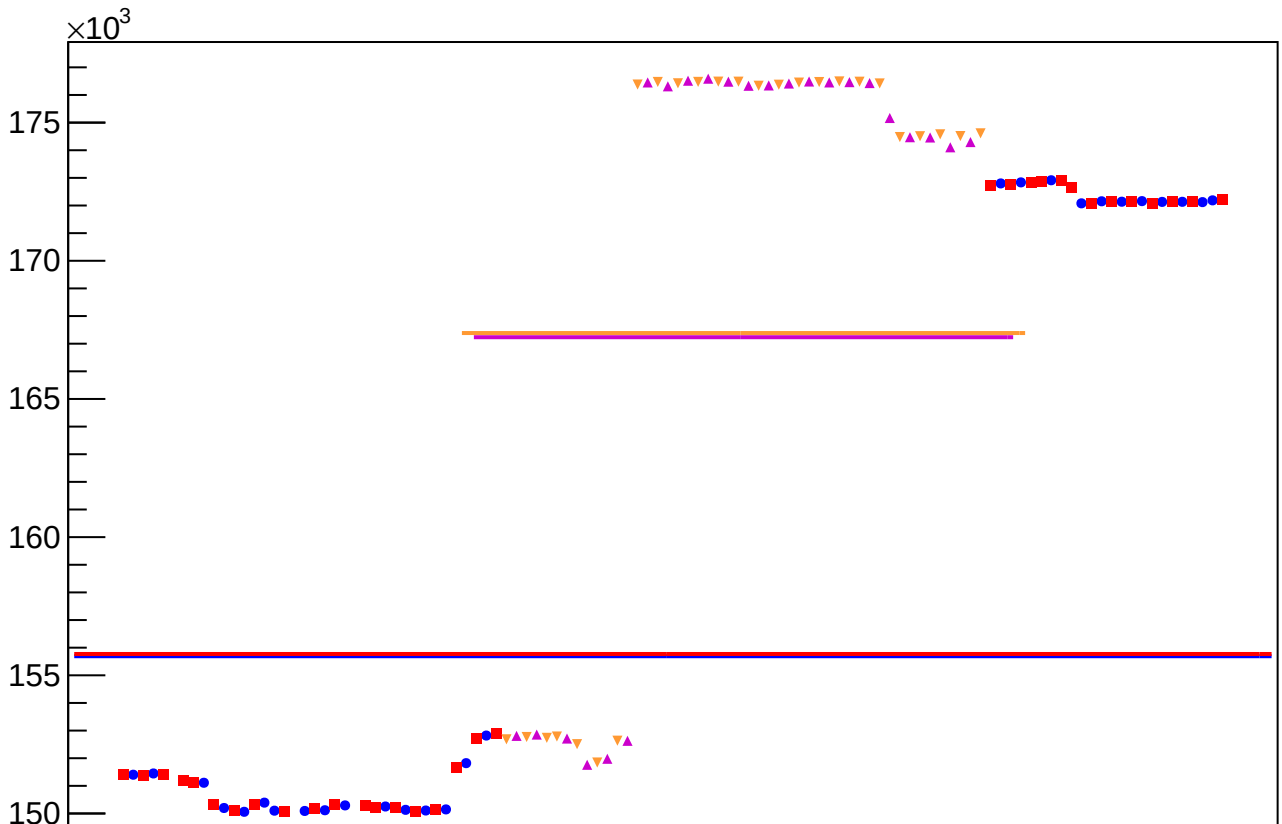
Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 208.662+/-0.026 χ^2/NDF: 5326155.9/51

All: 207.095+/-0.018 χ^2/NDF: 11506244.8/10

- sign 205.571+/-0.026 χ^2/NDF: 6172973.6/54

yield_bpm2i01WS_mean vs Slug



Right In: 155691.153+/-0.048 χ^2/NDF: 37573162164.0/26

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155771.642+/-0.044 χ^2/NDF: 43968961229.0/31

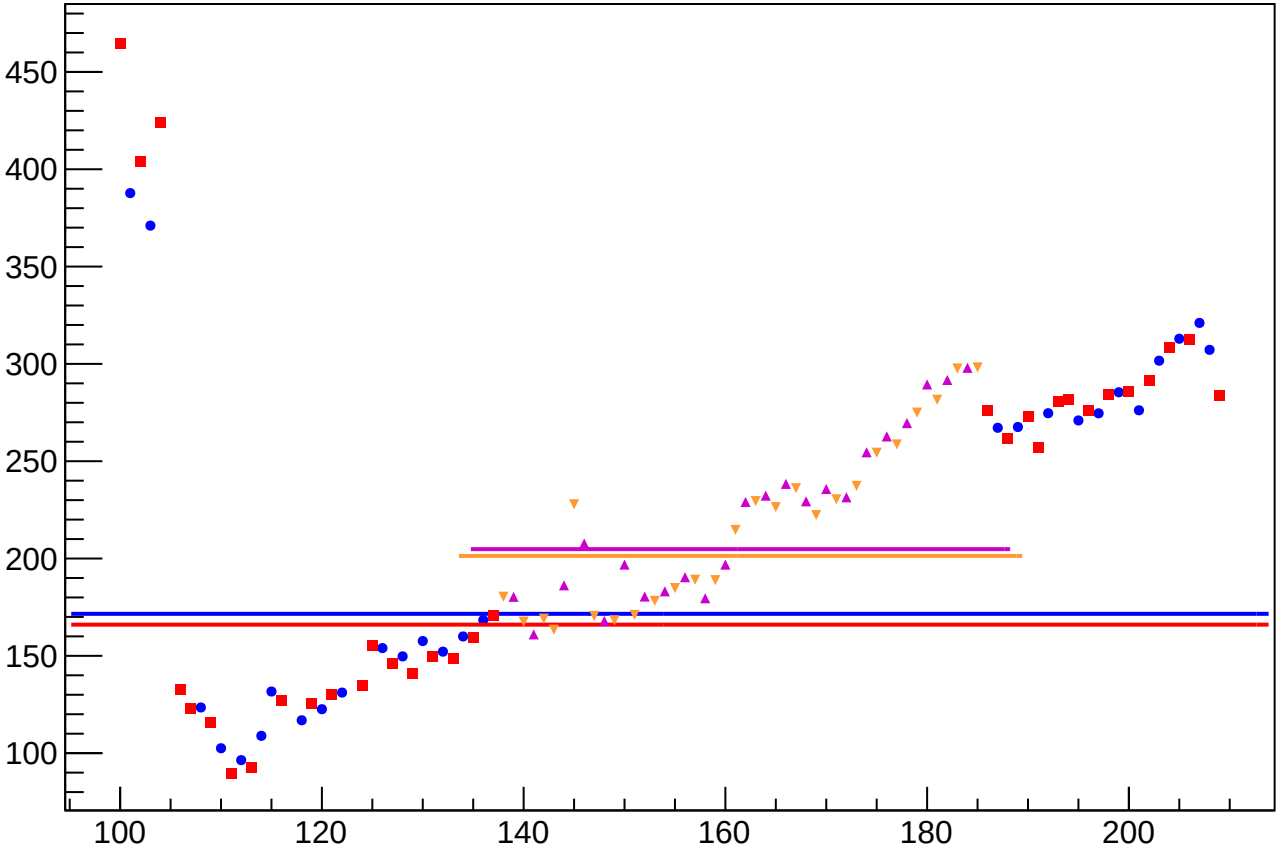
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161663.294+/-0.033 χ^2/NDF: 12781654678

All: 161309.173+/-0.023 χ^2/NDF: 2571924

- sign 160965.566+/-0.033 χ^2/NDF: 12915435872

yield_bpm2i01WS_rms vs Slug



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

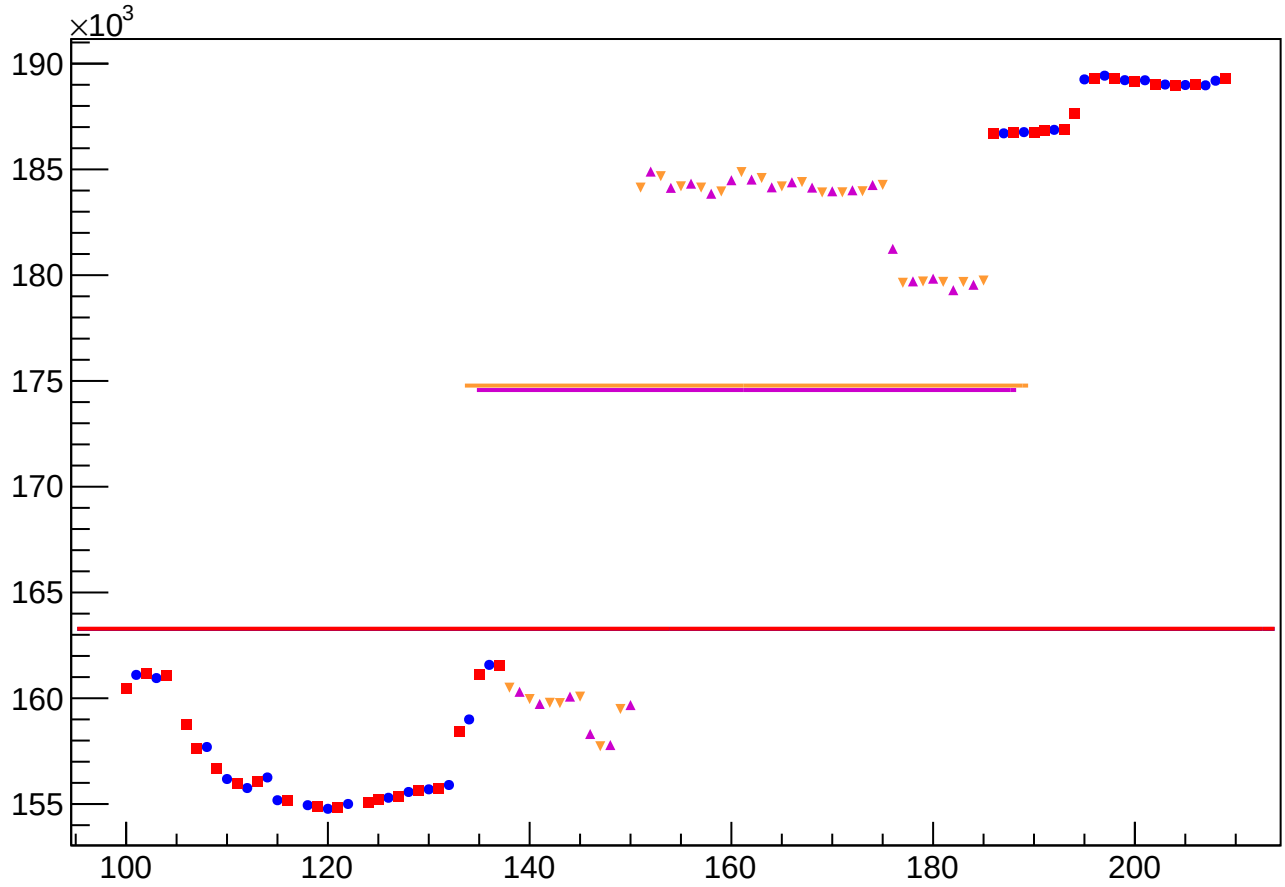
Right Out: 166.029+/-0.031 χ^2/NDF: 6055760.3/31

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 186.777+/-0.024 χ^2/NDF: 6734749.7/51

All: 185.169+/-0.017 χ^2/NDF: 14542091.0/10

- sign 183.609+/-0.023 χ^2/NDF: 7798205.8/54



Right In: 163275.175+/-0.050 χ^2/NDF: 69127472808.5/26

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 163286.205+/-0.047 χ^2/NDF: 78172689752.7/31

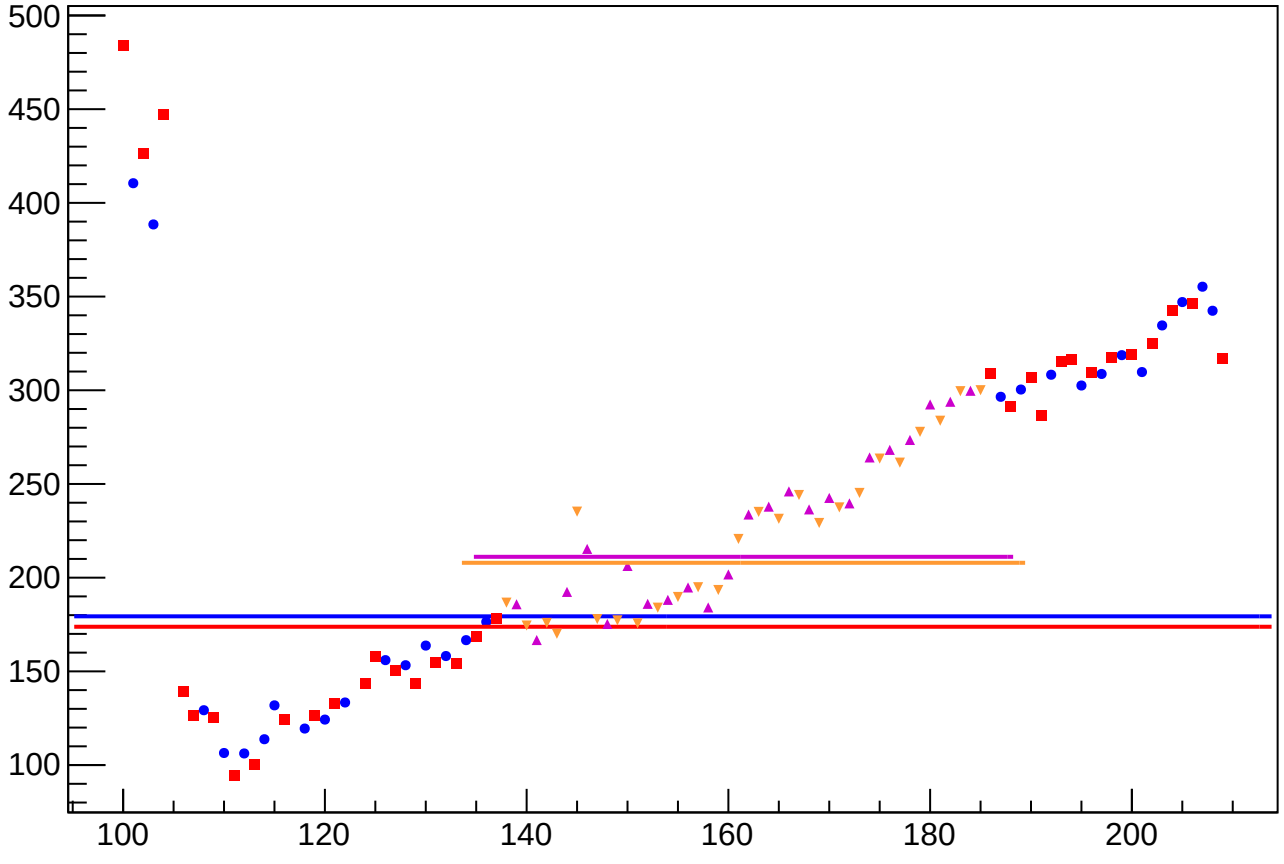
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 169290.431+/-0.035 χ^2/NDF: 15444305672

All: 168916.234+/-0.024 χ^2/NDF: 3144024

- sign 168552.060+/-0.034 χ^2/NDF: 159731975931

yield_bpm2i02WS_rms vs Slug



Right In: 179.368+/-0.036 χ^2/NDF: 5663022.8/26

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 173.806+/-0.033 χ^2/NDF: 6667093.2/31

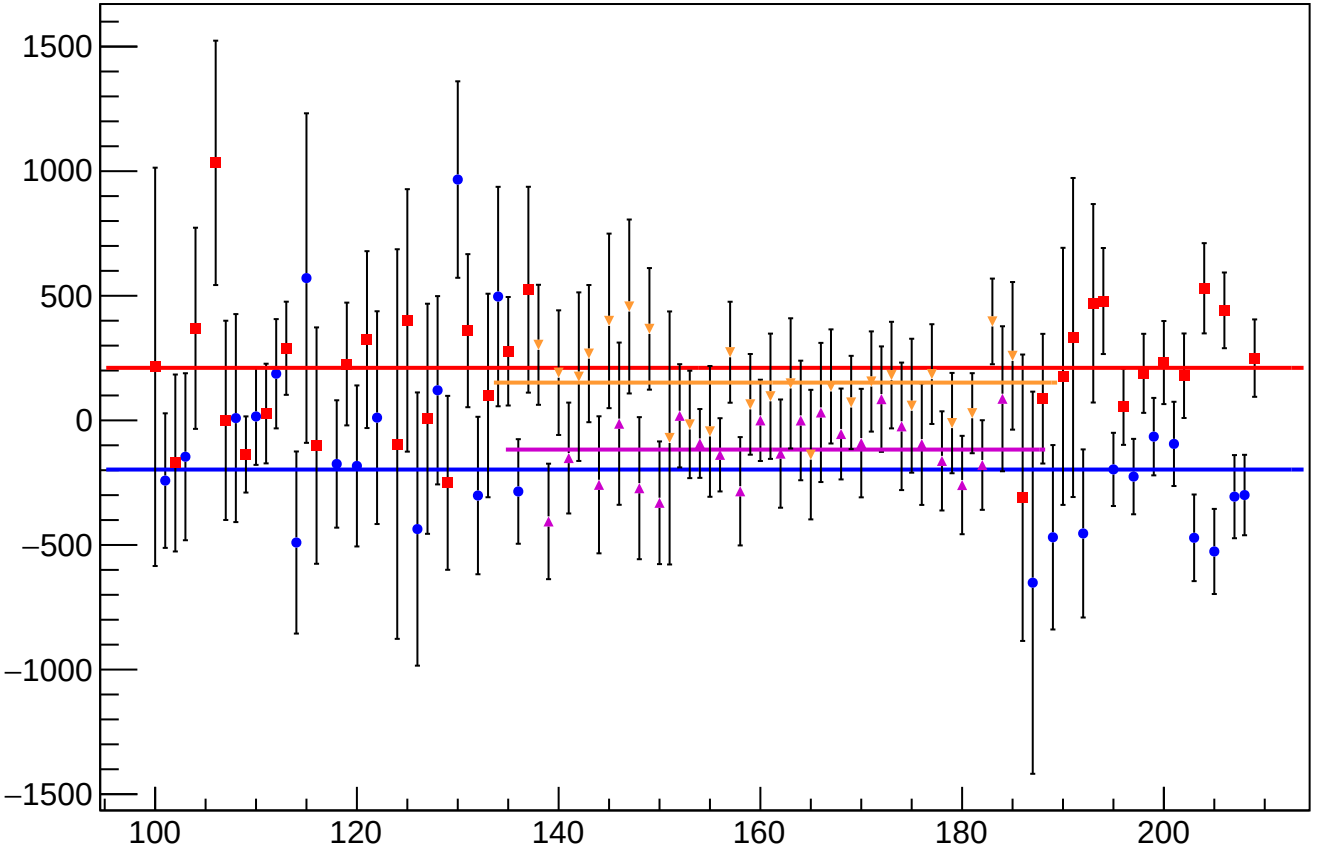
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 194.306+/-0.025 χ^2/NDF: 7130409.3/51

All: 192.745+/-0.017 χ^2/NDF: 15385727.9/10

- sign 191.226+/-0.024 χ^2/NDF: 8247403.6/54

asym_bcm_target_mean vs Slug



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 210.799+/-43.275 χ^2/NDF: 24.0/31

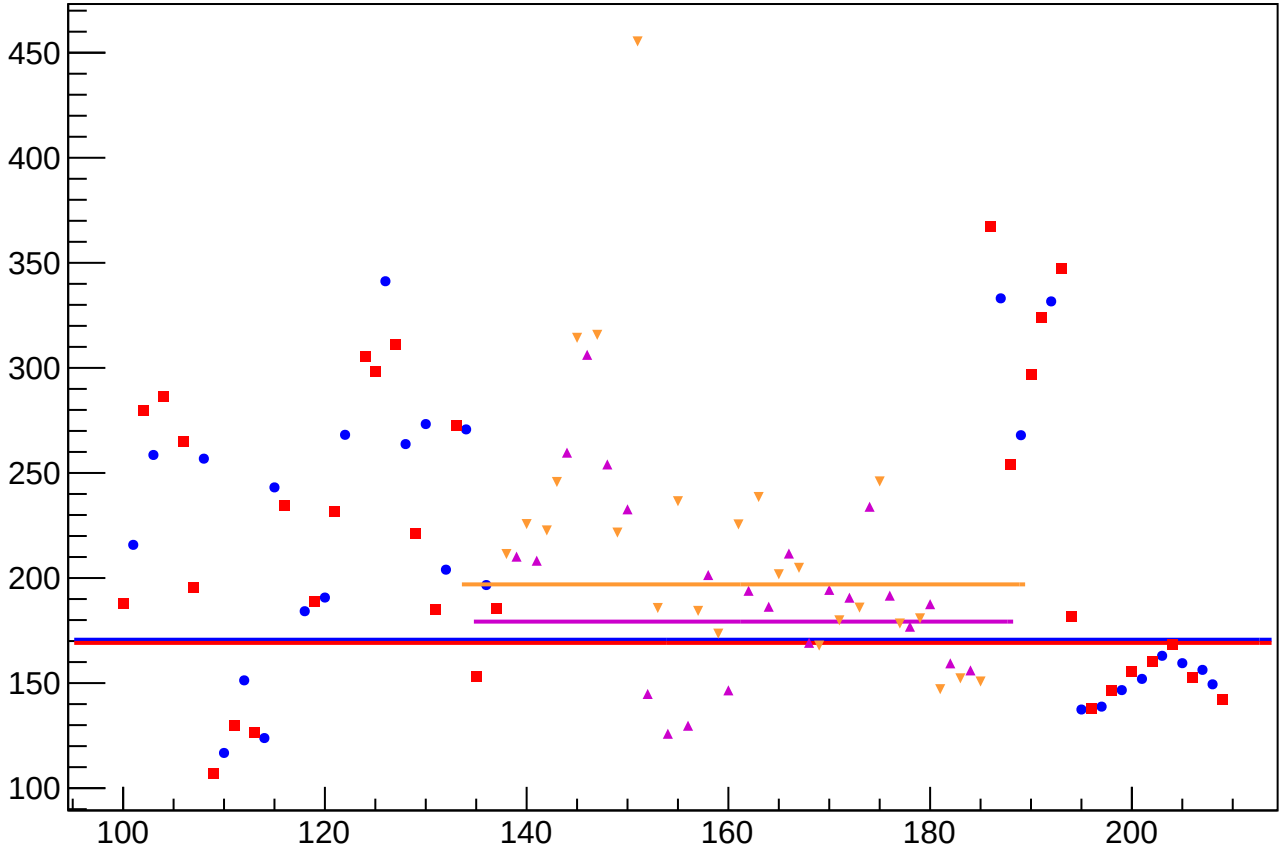
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -28.727+/-32.266 χ^2/NDF: 67.6/51

All: 11.821+/-22.270 χ^2/NDF: 130.5/106

- sign 48.712+/-30.777 χ^2/NDF: 59.9/54

asym_bcm_target_rms vs Slug



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.132+/-0.031 χ^2/NDF: 2962597.7/31

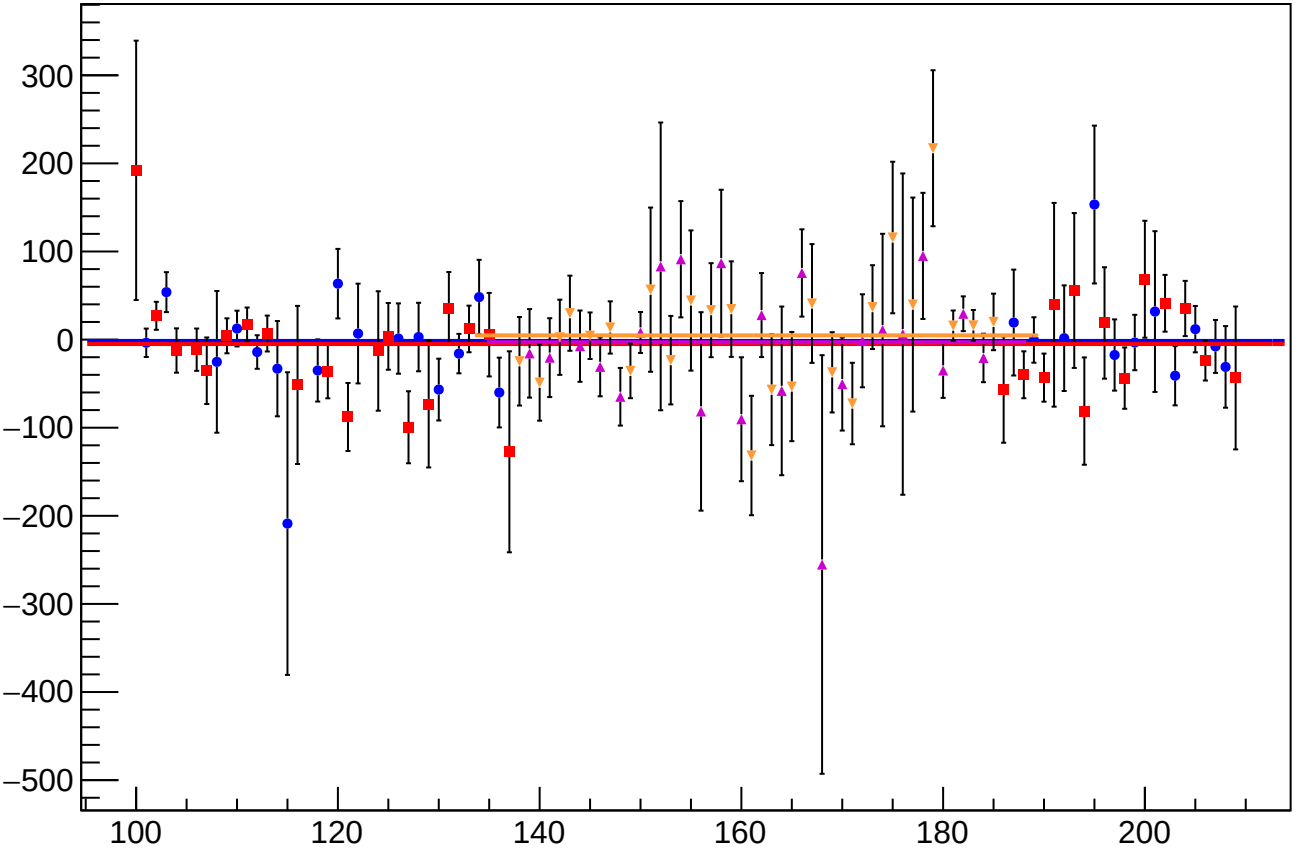
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.363+/-0.023 χ^2/NDF: 4380510.5/51

All: 178.531+/-0.016 χ^2/NDF: 9138893.1/106

- sign 174.135+/-0.022 χ^2/NDF: 4672722.2/54

asym_bcm_an_diff_mean vs Slug



Right In: -1.509+/-6.156 χ^2/NDF: 24.4/26

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -5.063+/-5.704 χ^2/NDF: 37.2/31

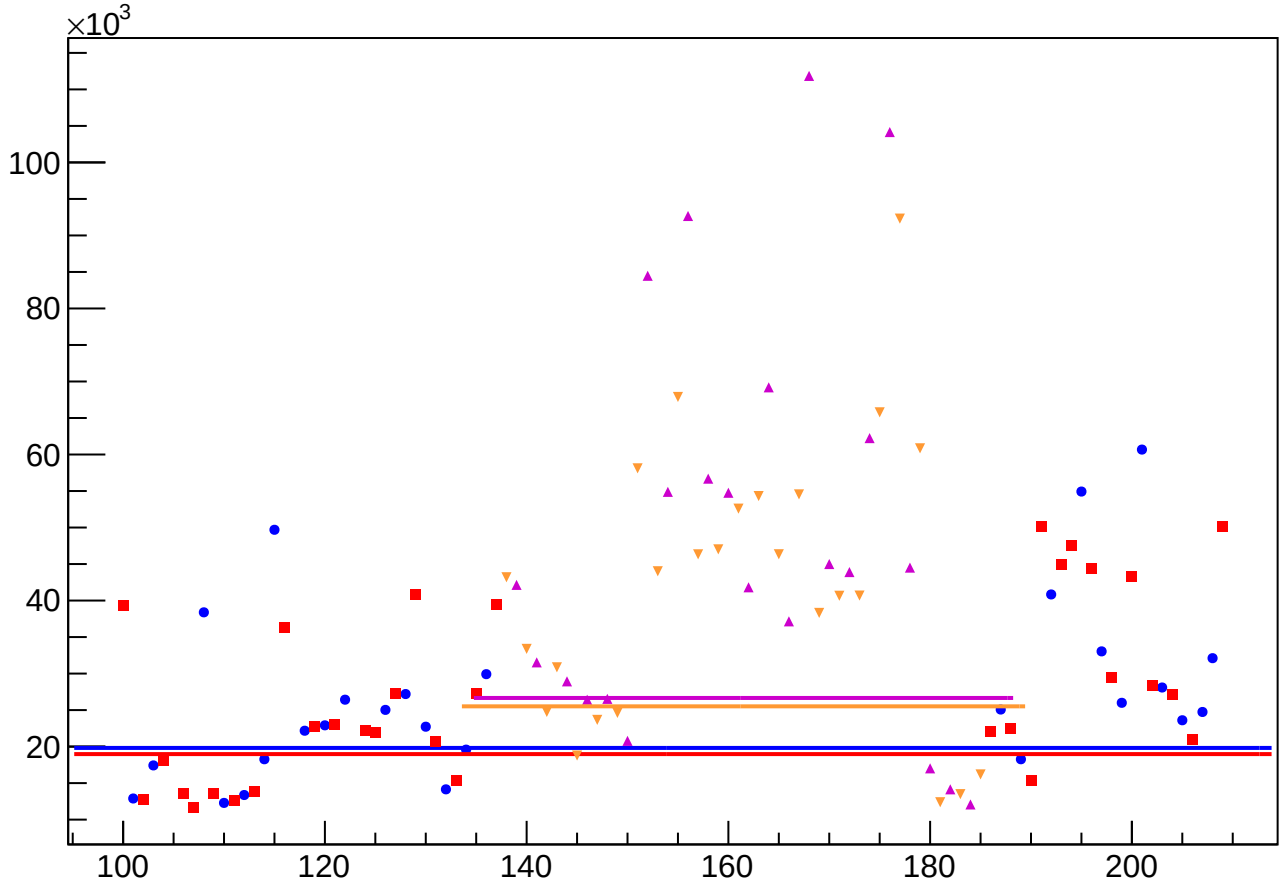
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 0.991+/-4.784 χ^2/NDF: 49.1/51

All: -1.715+/-3.386 χ^2/NDF: 108.6/106

- sign -4.432+/-4.793 χ^2/NDF: 58.8/54

asym_bcm_an_diff_rms vs Slug



Right In: 19818.677+/-4.353 χ^2/NDF: 3116835.4/26

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18973.488+/-4.034 χ^2/NDF: 3821647.0/31

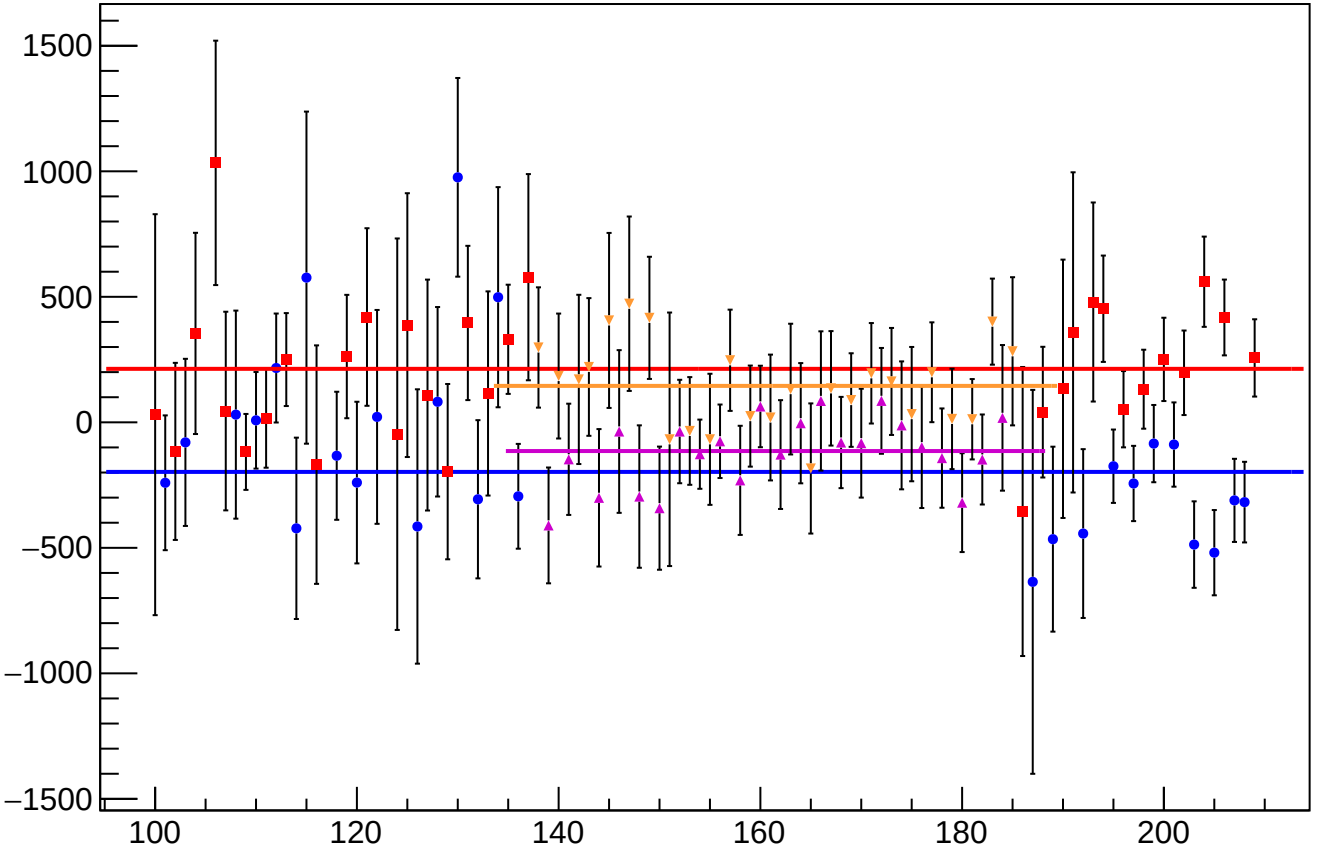
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22074.025+/-3.383 χ^2/NDF: 11537191.2/51

All: 21654.503+/-2.394 χ^2/NDF: 22340629.8

- sign 21233.347+/-3.389 χ^2/NDF: 10772616.0/54

asym_bcm_an_ds_mean vs Slug



Right In: -197.511+/-44.587 χ^2/NDF: 29.6/26

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 213.084+/-43.003 χ^2/NDF: 24.4/31

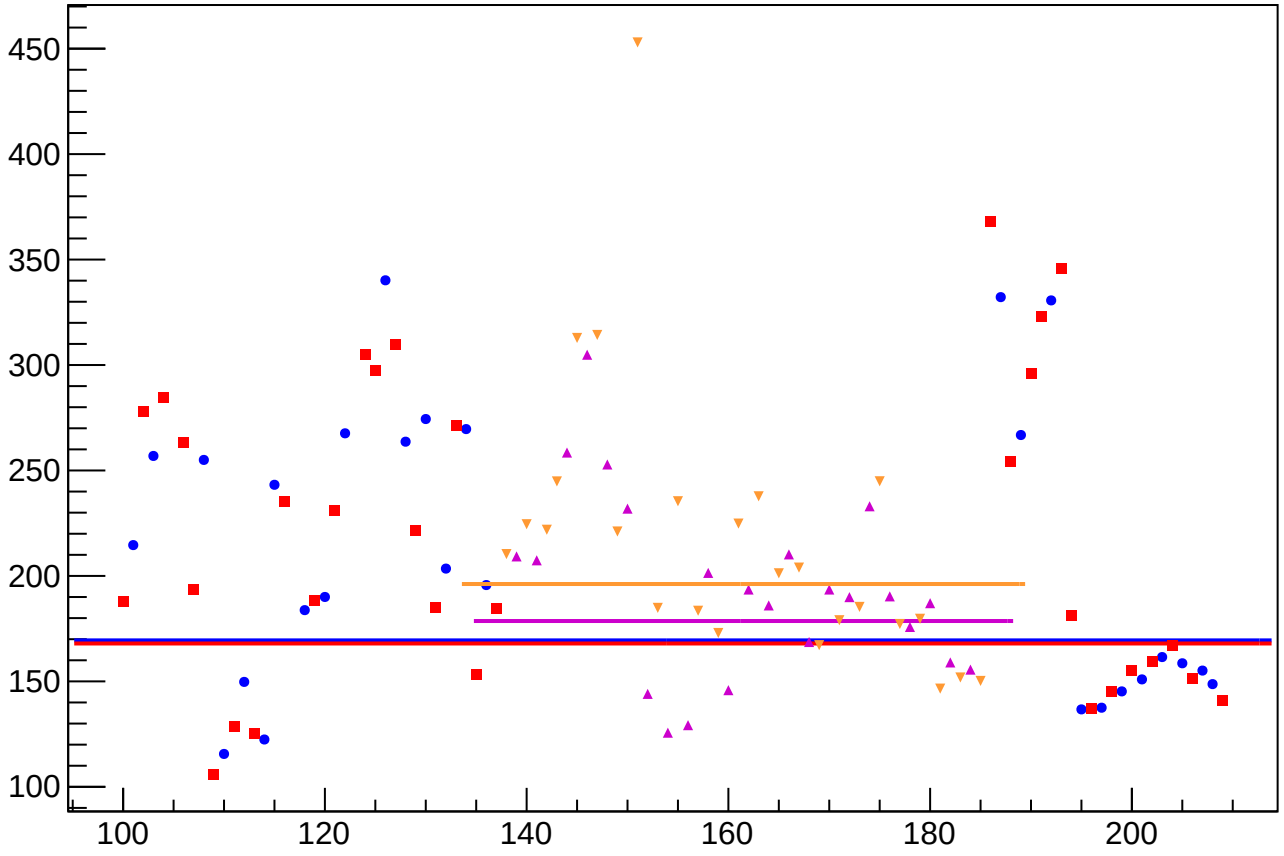
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -32.348+/-32.092 χ^2/NDF: 69.3/51

All: 11.629+/-22.155 χ^2/NDF: 134.2/106

- sign 51.674+/-30.623 χ^2/NDF: 61.3/54

asym_bcm_an_ds_rms vs Slug



Right In: 169.438+/-0.032 χ^2/NDF: 2267490.2/26

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 167.965+/-0.030 χ^2/NDF: 3000972.1/31

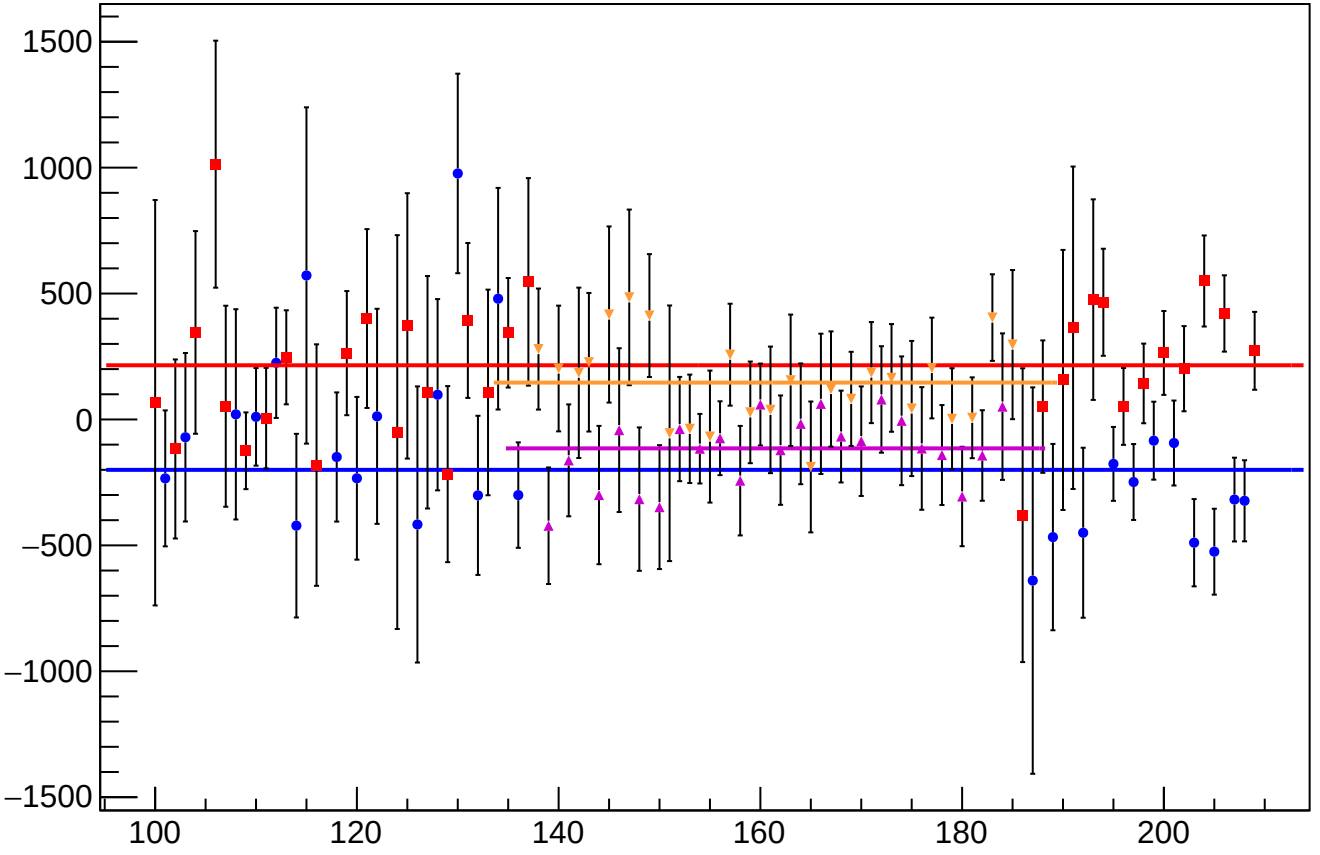
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 182.320+/-0.023 χ^2/NDF: 4420723.9/51

All: 177.555+/-0.016 χ^2/NDF: 9218325.8/106

- sign 173.217+/-0.022 χ^2/NDF: 4713373.5/54

asym_bcm_an_ds3_mean vs Slug



Right In: -200.090+/-44.805 χ^2/NDF: 29.7/26

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 215.163+/-43.222 χ^2/NDF: 24.3/31

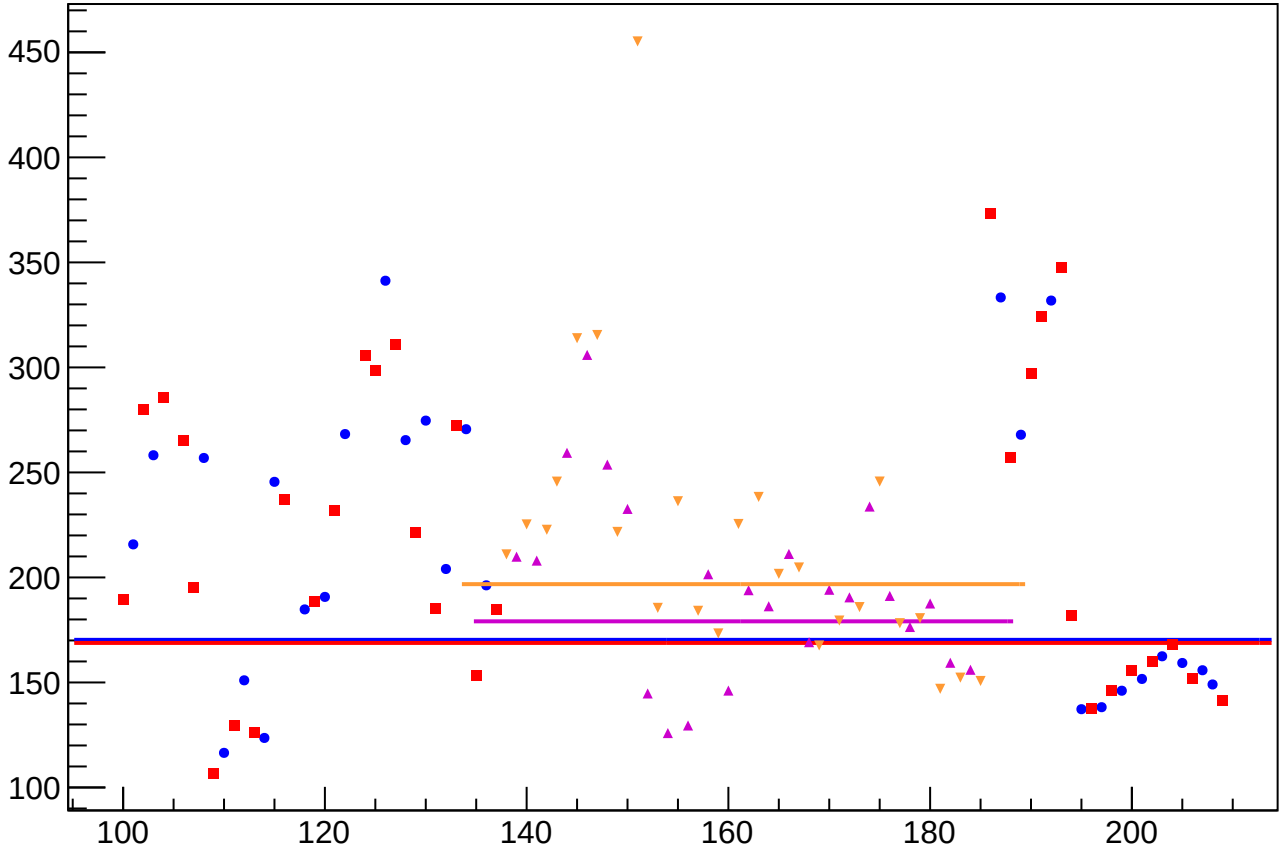
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -32.816+/-32.224 χ^2/NDF: 70.0/51

All: 11.661+/-22.244 χ^2/NDF: 135.1/106

- sign 52.147+/-30.744 χ^2/NDF: 61.5/54

asym_bcm_an_ds3_rms vs Slug



Right In: 170.284+/-0.032 χ^2/NDF: 2259768.5/26

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 168.825+/-0.031 χ^2/NDF: 2998456.6/31

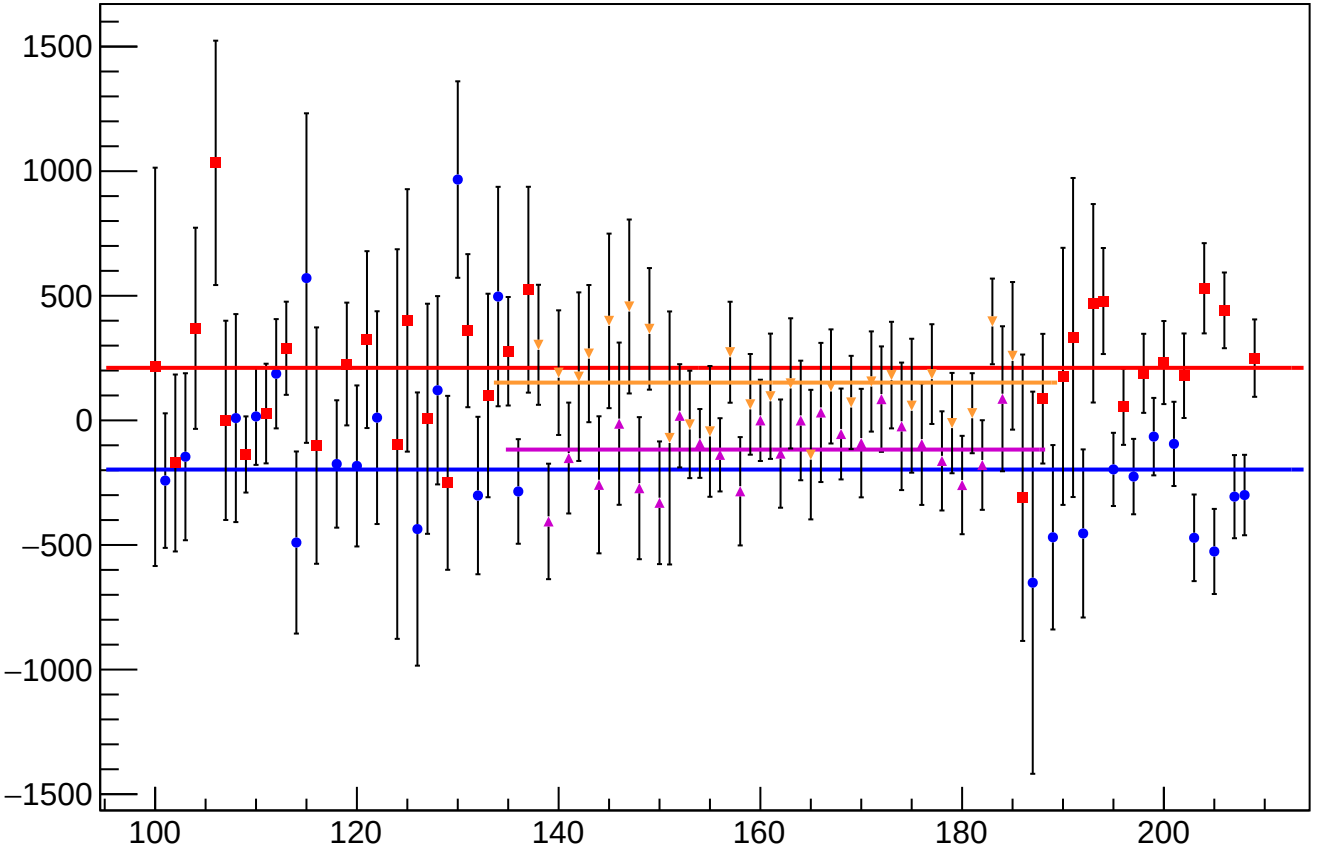
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 183.087+/-0.023 χ^2/NDF: 4406661.0/51

All: 178.278+/-0.016 χ^2/NDF: 9201913.5/106

- sign 173.901+/-0.022 χ^2/NDF: 4710176.3/54

asym_bcm_an_us_mean vs Slug



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 210.799+/-43.275 χ^2/NDF: 24.0/31

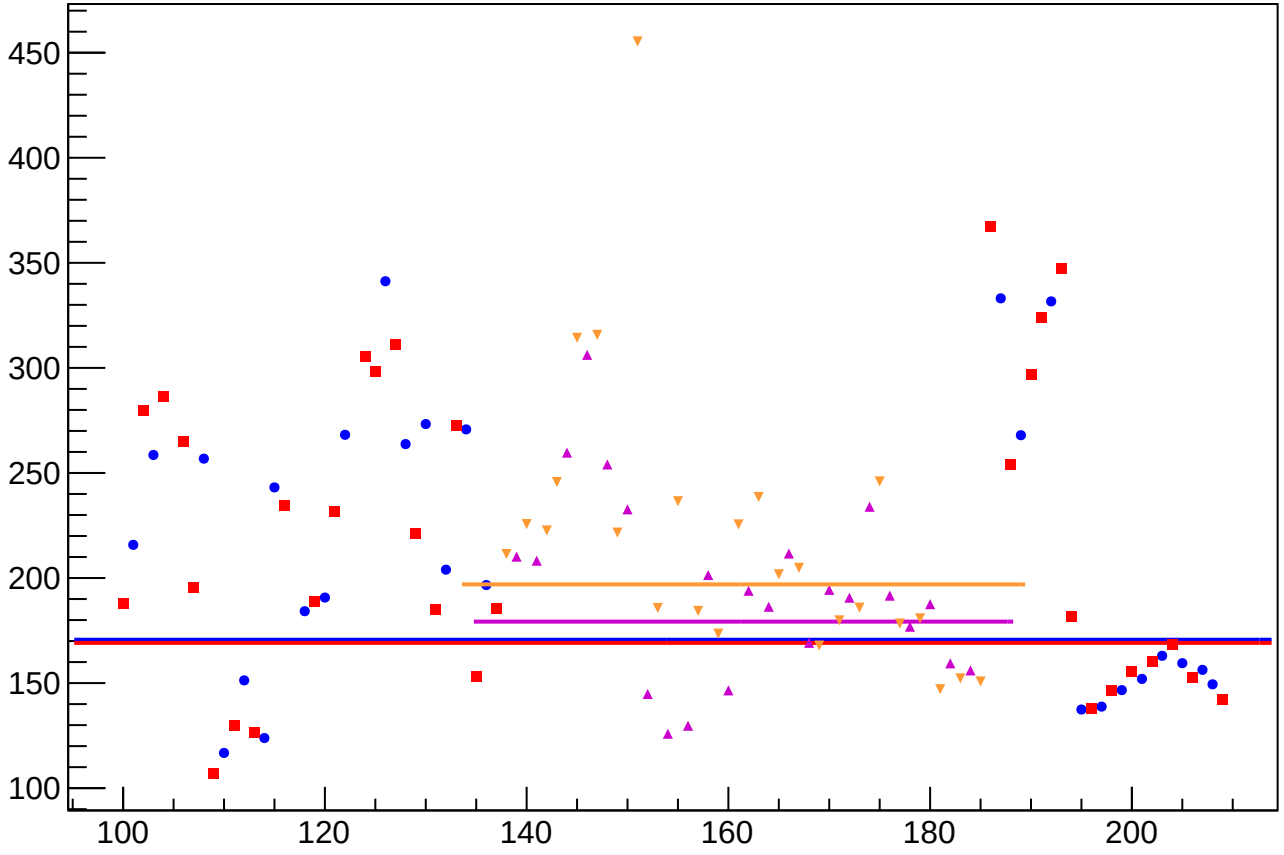
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -28.727+/-32.266 χ^2/NDF: 67.6/51

All: 11.821+/-22.270 χ^2/NDF: 130.5/106

\- sign 48.712+/-30.777 χ^2/NDF: 59.9/54

asym_bcm_an_us_rms vs Slug



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.132+/-0.031 χ^2/NDF: 2962597.7/31

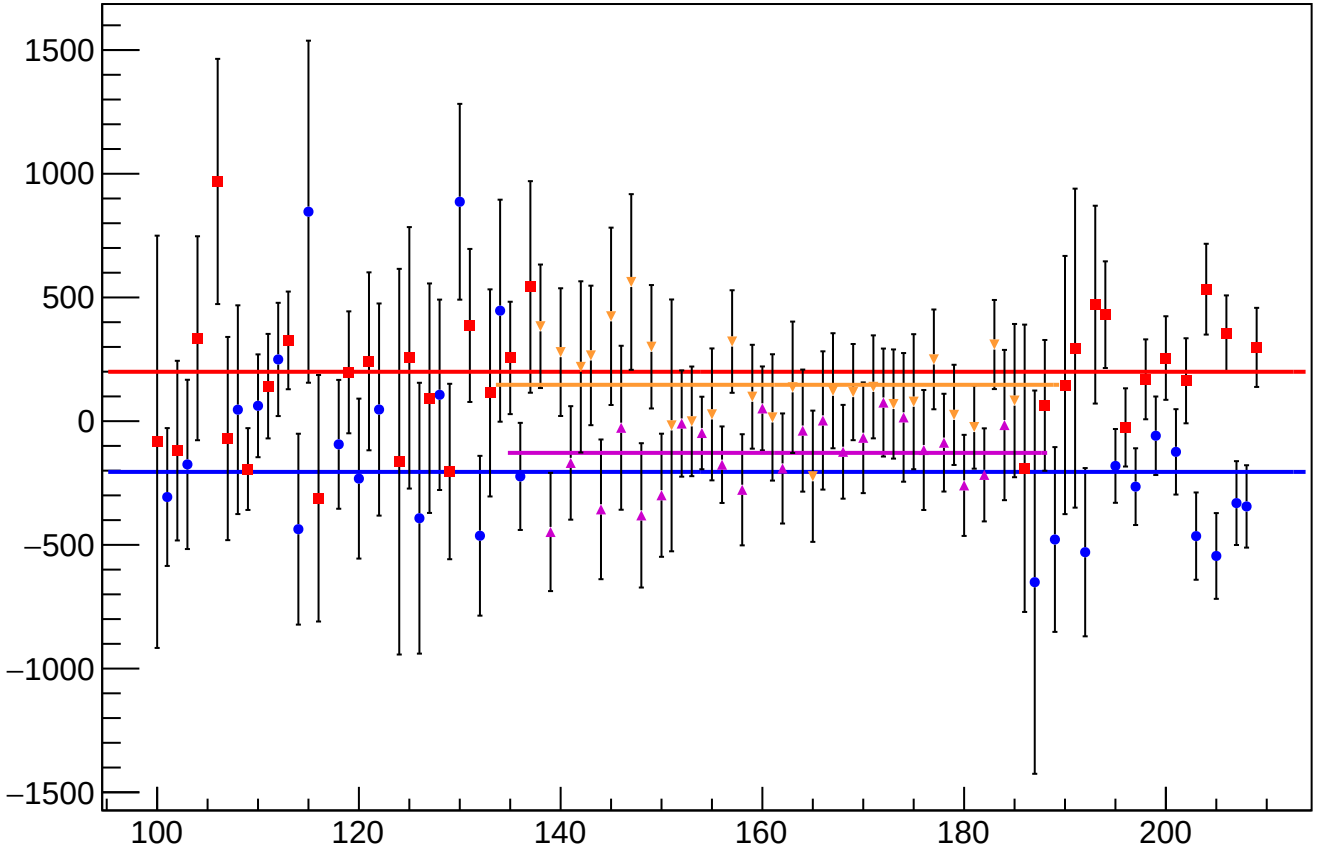
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.363+/-0.023 χ^2/NDF: 4380510.5/51

All: 178.531+/-0.016 χ^2/NDF: 9138893.1/106

- sign 174.135+/-0.022 χ^2/NDF: 4672722.2/54

asym_bcm_dg_us_mean vs Slug



Right In: -205.059+/-45.936 χ^2/NDF: 30.7/26

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 199.607+/-44.466 χ^2/NDF: 23.0/31

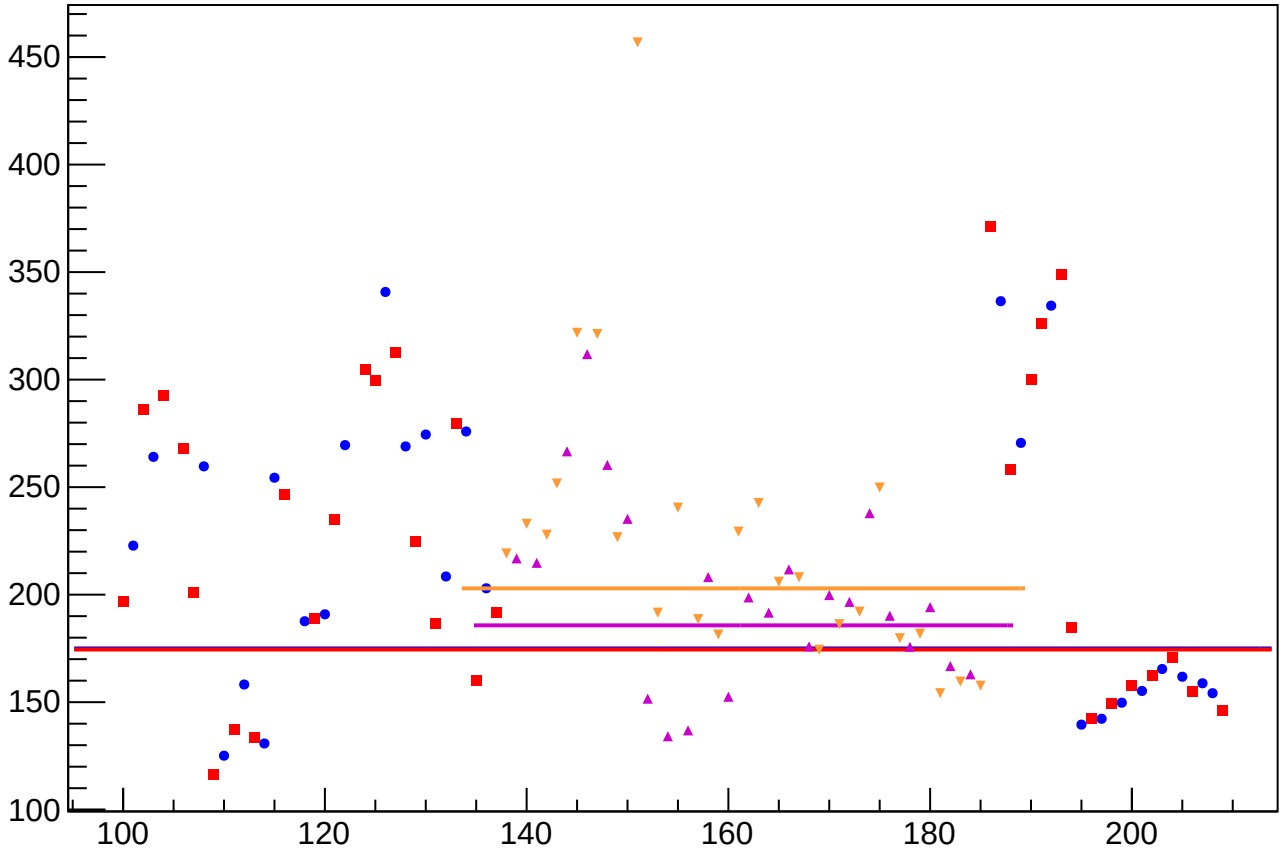
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -35.704+/-33.091 χ^2/NDF: 69.2/51

All: 2.944+/-22.891 χ^2/NDF: 130.0/106

- sign 38.408+/-31.698 χ^2/NDF: 58.3/54

asym_bcm_dg_us_rms vs Slug



Right In: 174.982+/-0.032 χ^2/NDF: 2148656.0/26

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 174.498+/-0.031 χ^2/NDF: 2756455.4/31

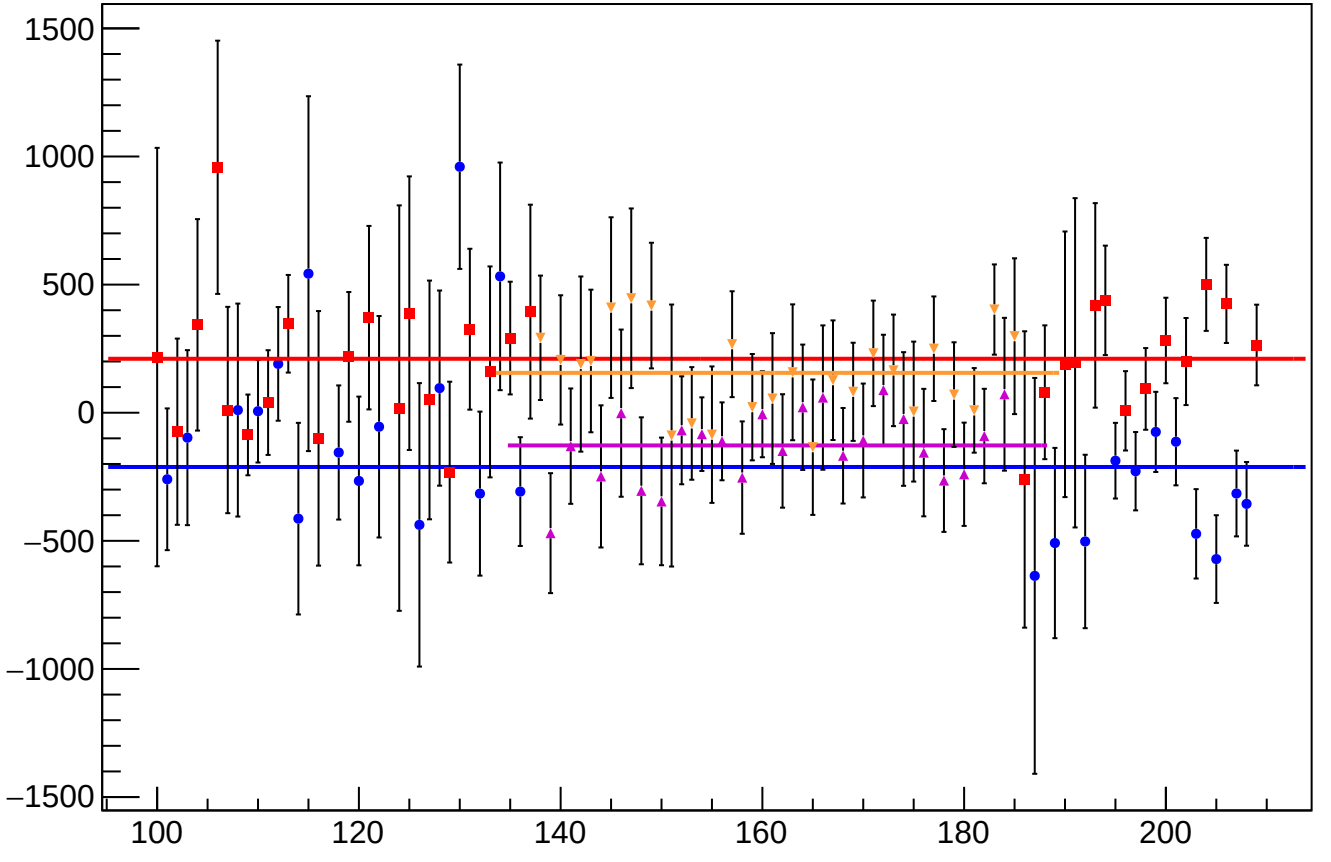
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 188.423+/-0.023 χ^2/NDF: 4204675.3/51

All: 184.038+/-0.016 χ^2/NDF: 8580545.1/106

- sign 180.015+/-0.022 χ^2/NDF: 4308544.8/54

asym_bcm_dg_ds_mean vs Slug



Right In: -211.764+/-45.337 χ^2/NDF: 29.8/26

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 210.612+/-43.771 χ^2/NDF: 20.4/31

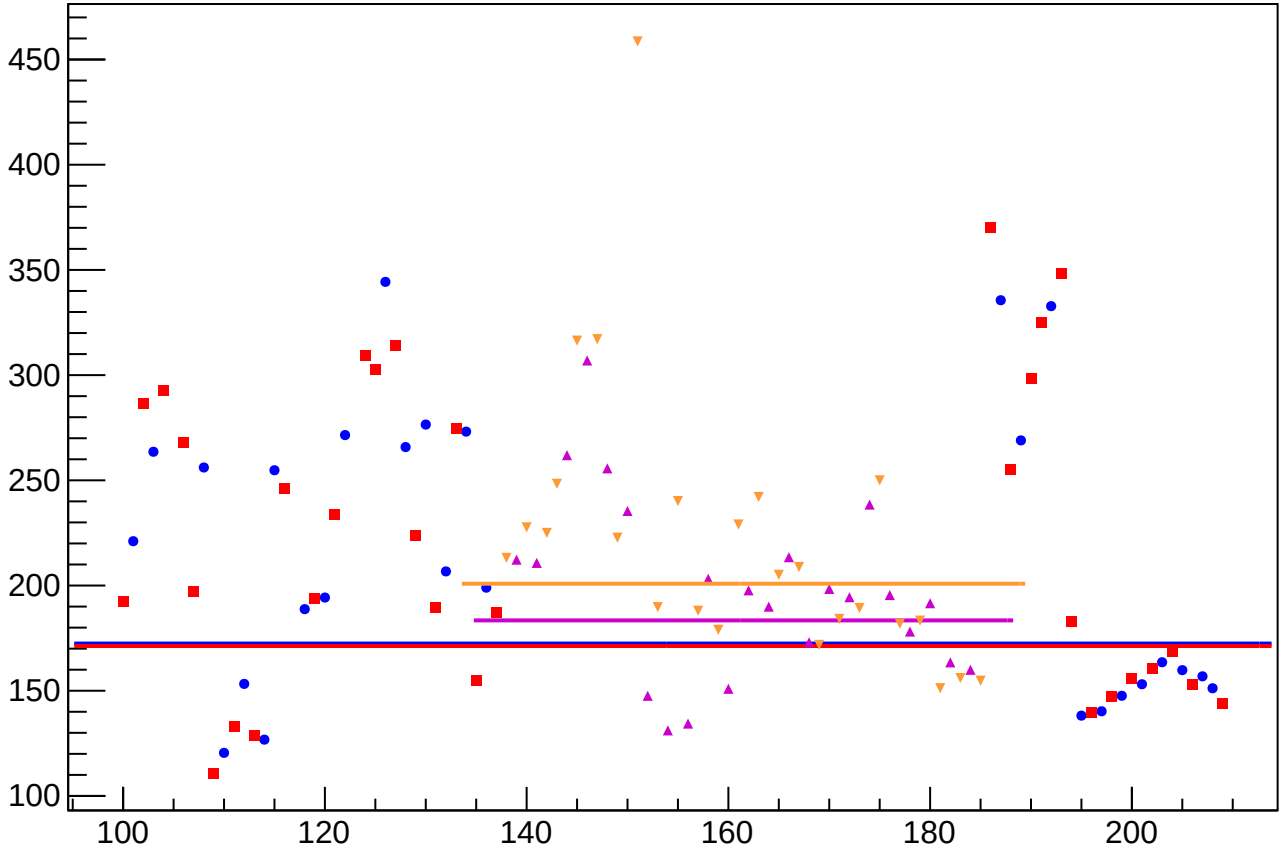
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -35.698+/-32.718 χ^2/NDF: 71.9/51

All: 6.483+/-22.607 χ^2/NDF: 132.7/106

- sign 45.021+/-31.273 χ^2/NDF: 57.6/54

asym_bcm_dg_ds_rms vs Slug



Right In: 172.415+/-0.032 χ^2/NDF: 2234803.2/26

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 171.250+/-0.031 χ^2/NDF: 2925379.3/31

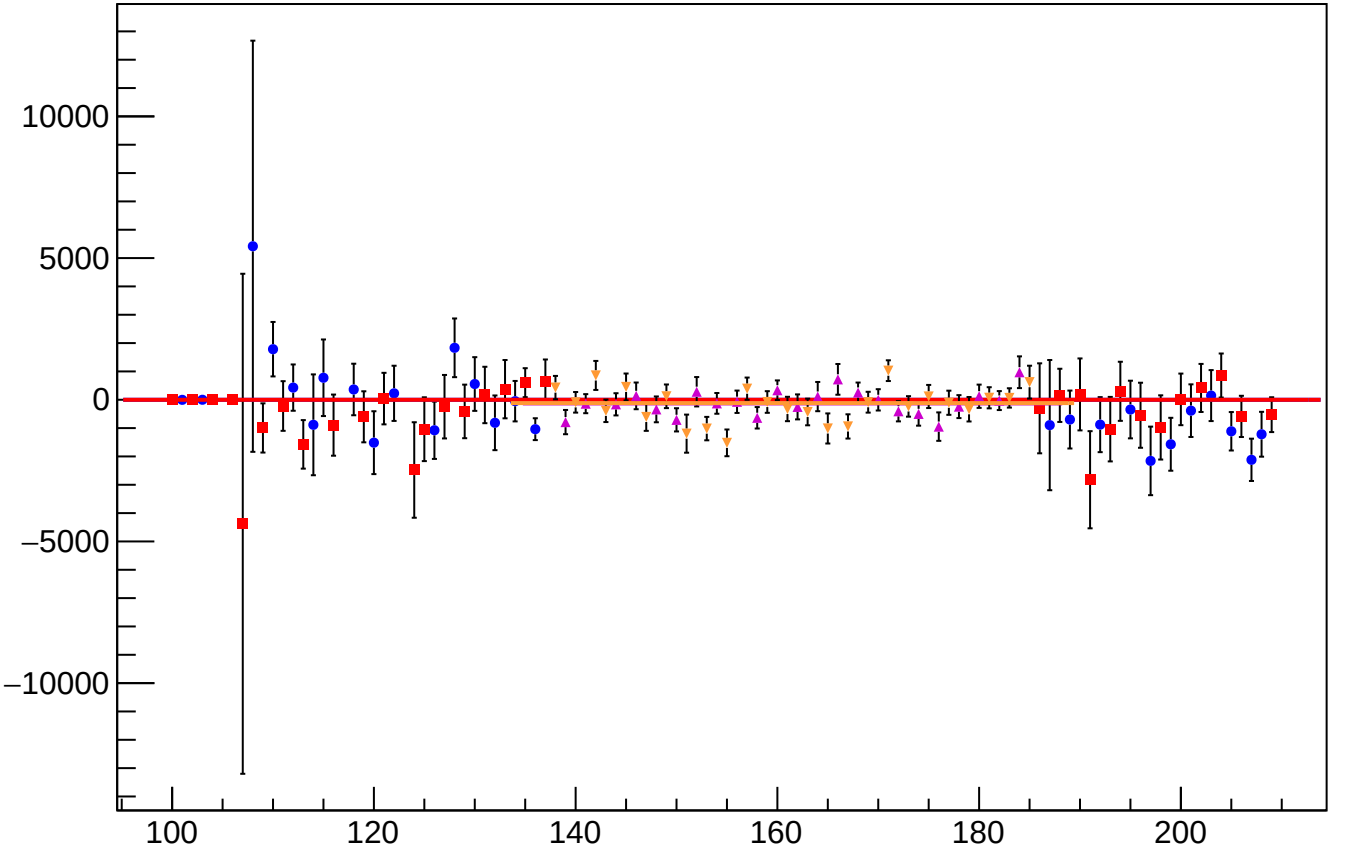
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 186.048+/-0.023 χ^2/NDF: 4339607.9/51

All: 181.432+/-0.016 χ^2/NDF: 8947715.2/106

- sign 177.214+/-0.022 χ^2/NDF: 4531909.5/54

asym_cav4bQ_mean vs Slug



Right In: -1.304+/-2.171 χ^2/NDF: 40.8/26

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.389+/-2.022 χ^2/NDF: 24.4/31

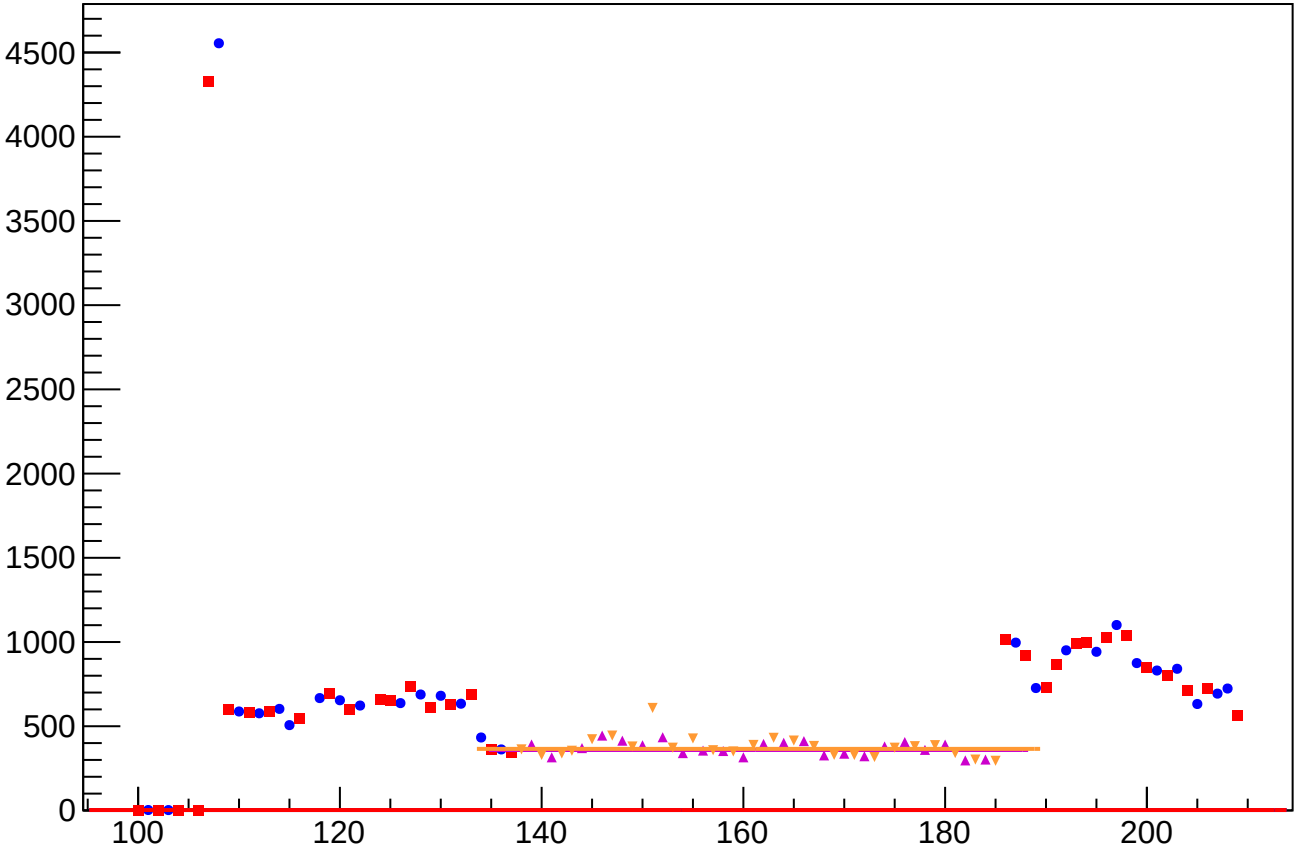
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.381+/-2.170 χ^2/NDF: 89.0/51

All: -1.424+/-1.479 χ^2/NDF: 137.3/106

- sign -1.462+/-2.022 χ^2/NDF: 48.3/54

asym_cav4bQ_rms vs Slug



Right In: 2.525+/-0.002 χ^2/NDF: 28446416.1/26

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.510+/-0.001 χ^2/NDF: 30811876.8/31

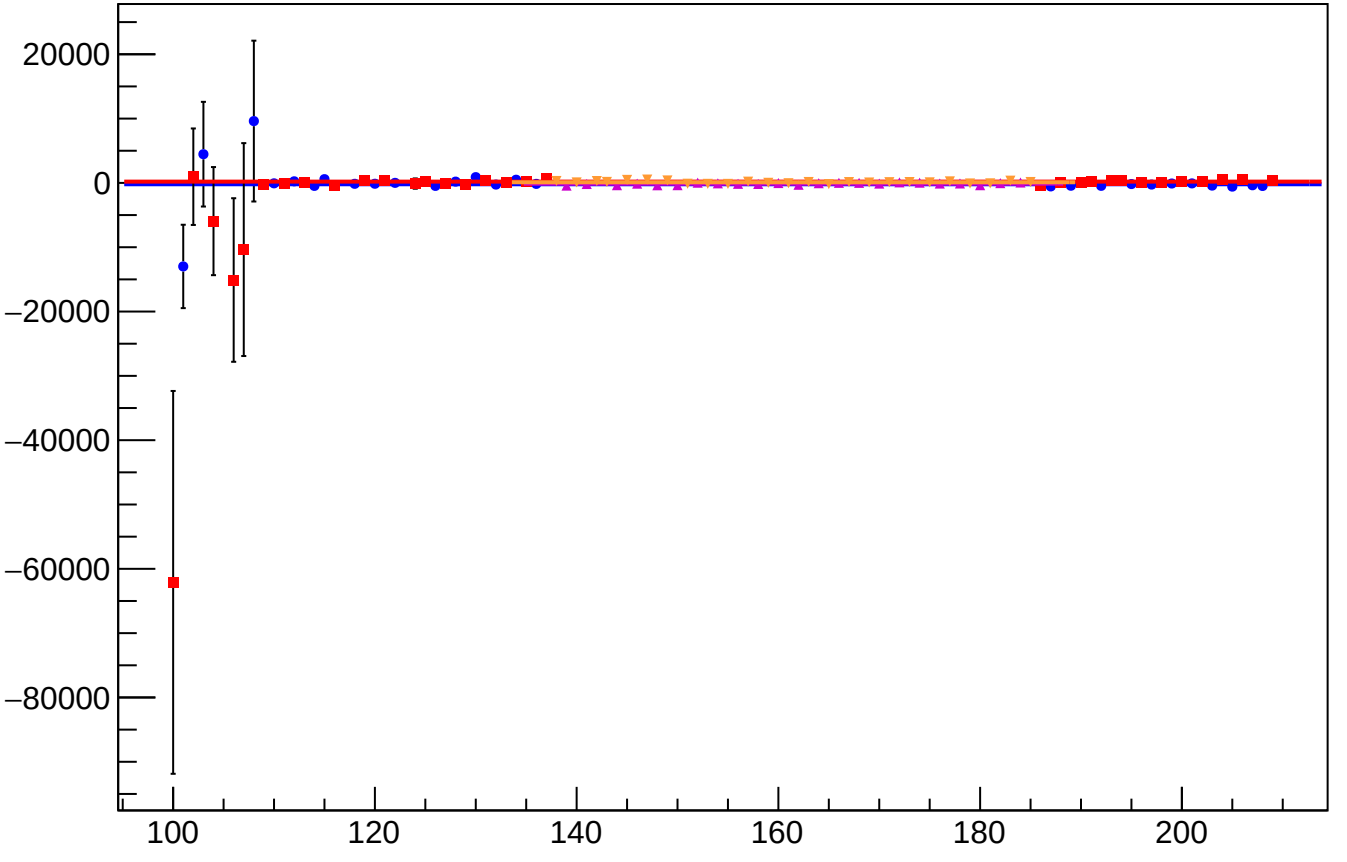
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.766+/-0.002 χ^2/NDF: 66271411.8/51

All: 2.737+/-0.001 χ^2/NDF: 132632754.3/106

- sign 2.711+/-0.001 χ^2/NDF: 66360643.9/54

asym_cav4cQ_mean vs Slug



Right In: -210.088+/-49.538 χ^2/NDF: 33.2/26

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 200.424+/-48.381 χ^2/NDF: 25.2/31

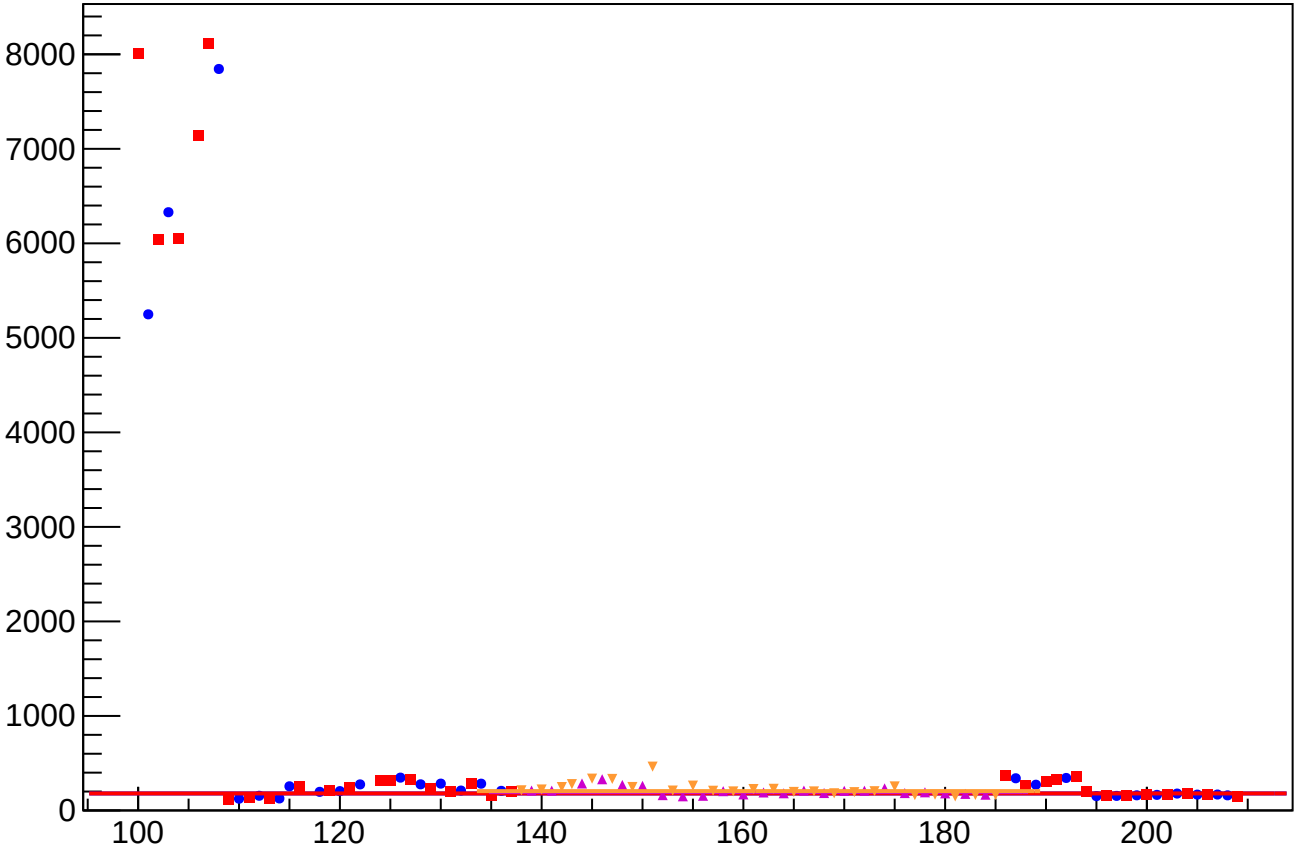
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -51.166+/-34.564 χ^2/NDF: 66.0/51

All: -6.595+/-24.128 χ^2/NDF: 126.2/106

- sign 35.765+/-33.696 χ^2/NDF: 57.0/54

asym_cav4cQ_rms vs Slug



Right In: 179.882+/-0.035 χ^2/NDF: 4876133.8/26

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 180.018+/-0.034 χ^2/NDF: 5594024.6/31

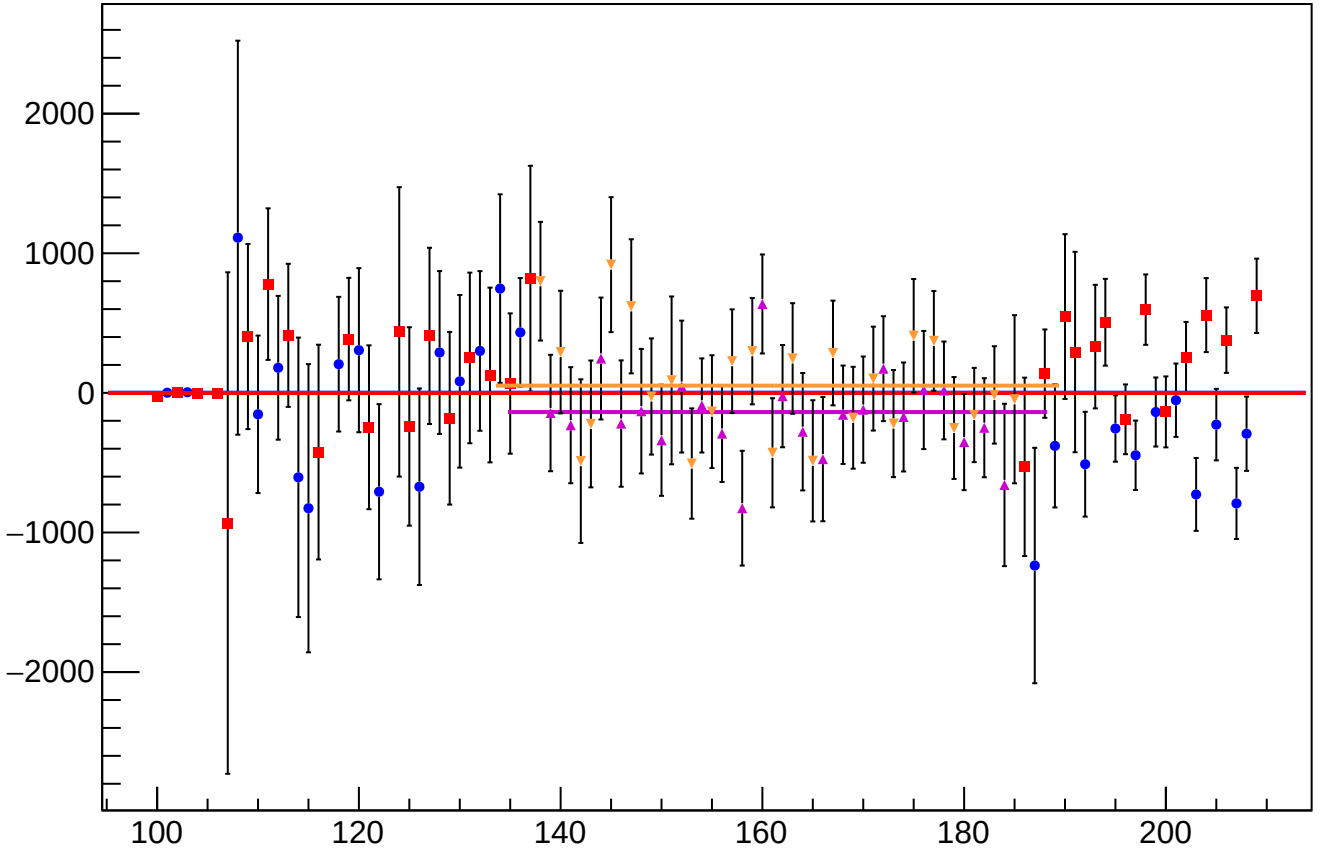
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 192.557+/-0.024 χ^2/NDF: 7106378.2/51

All: 189.792+/-0.017 χ^2/NDF: 14001694.9/10

- sign 187.164+/-0.024 χ^2/NDF: 6870348.9/54

asym_cav4dQ_mean vs Slug



Right In: 1.310+/-1.660 χ^2/NDF: 36.9/26

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.995+/-1.528 χ^2/NDF: 35.6/31

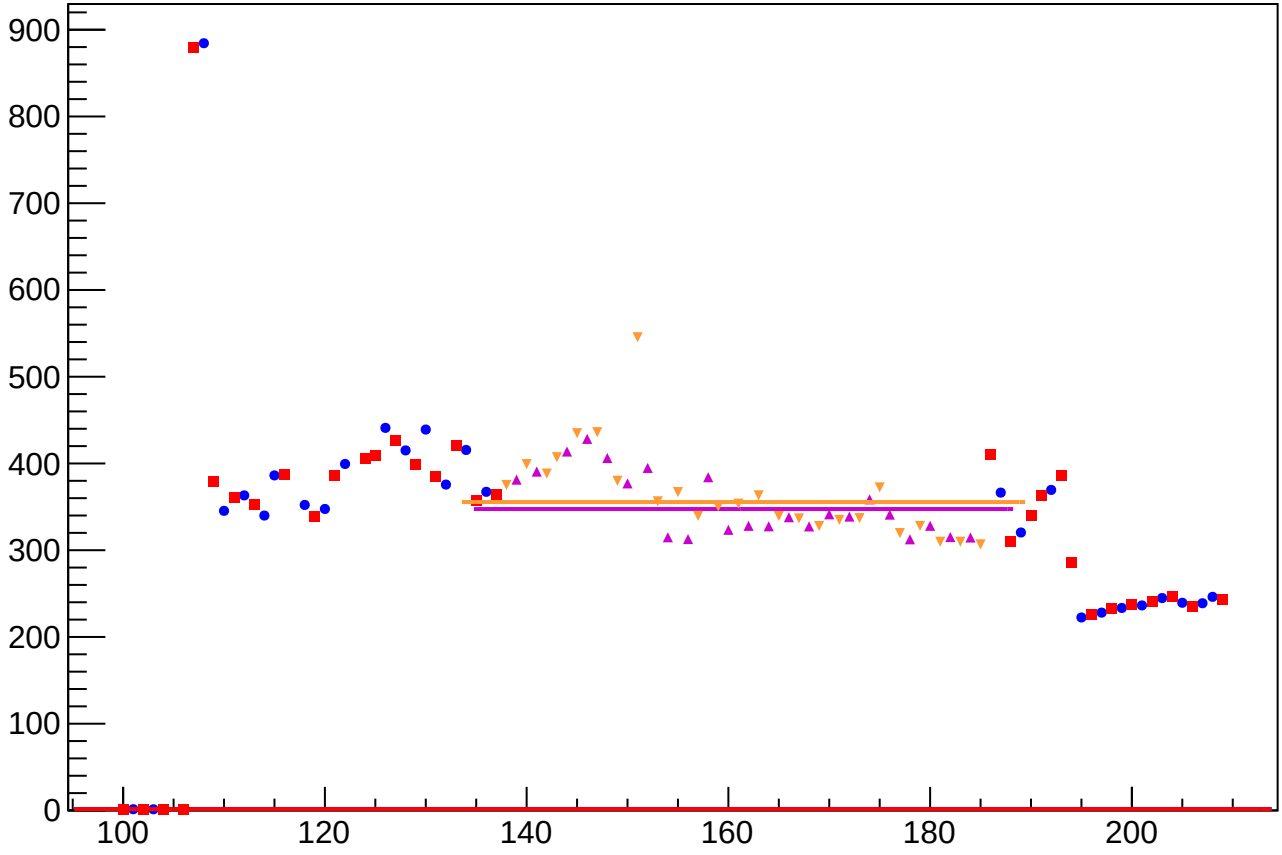
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.331+/-1.660 χ^2/NDF: 56.8/51

All: 0.046+/-1.124 χ^2/NDF: 108.4/106

- sign -1.043+/-1.527 χ^2/NDF: 50.5/54

asym_cav4dQ_rms vs Slug



Right In: 1.563+/-0.001 χ^2/NDF: 28718928.8/26

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.552+/-0.001 χ^2/NDF: 30494078.5/31

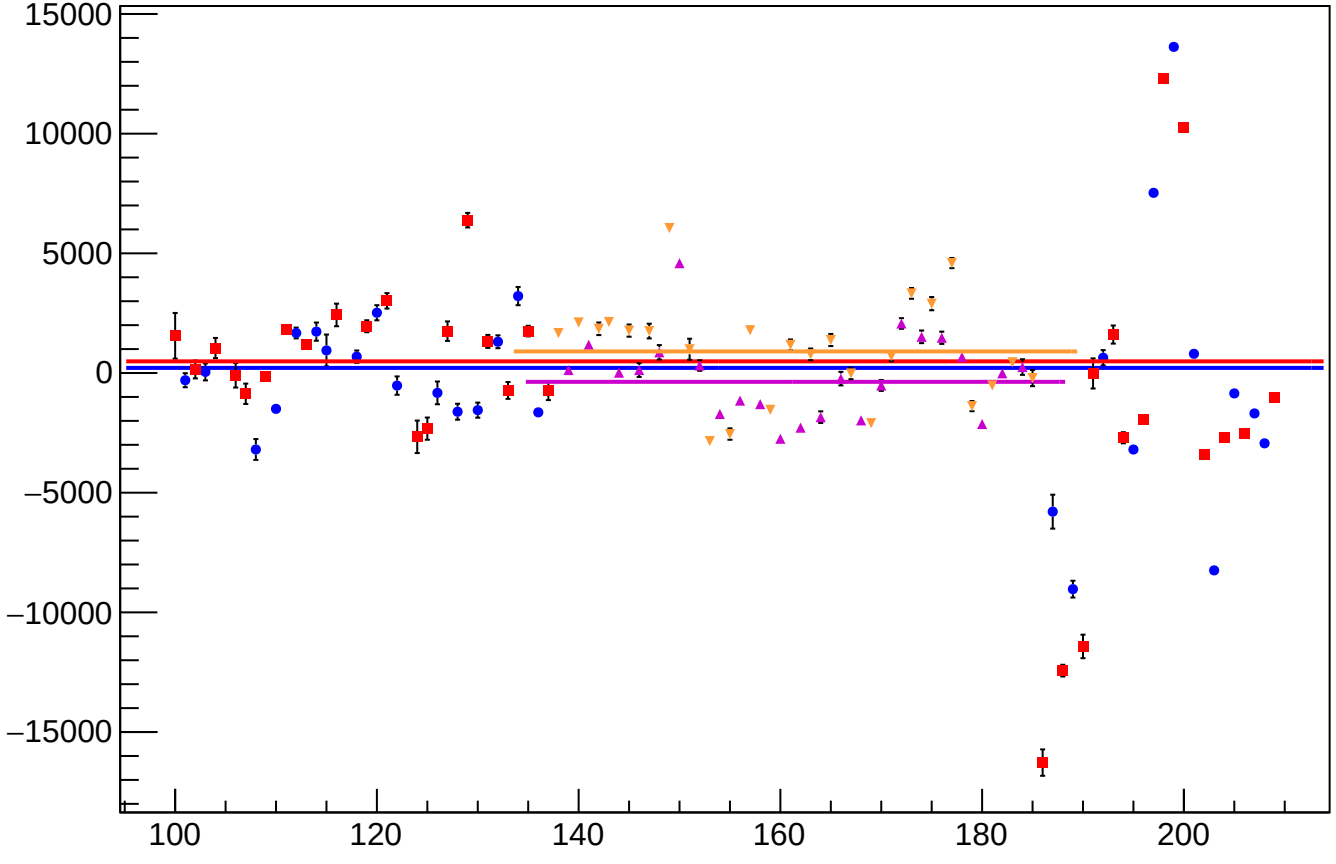
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.710+/-0.001 χ^2/NDF: 66908338.9/51

All: 1.689+/-0.001 χ^2/NDF: 133233679.6/106

\- sign 1.672+/-0.001 χ^2/NDF: 66324765.2/54

asym_bcm0l02_mean vs Slug



Right In: 213.813+/-47.218 χ^2/NDF: 11834.2/26

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 487.693+/-45.405 χ^2/NDF: 13812.2/31

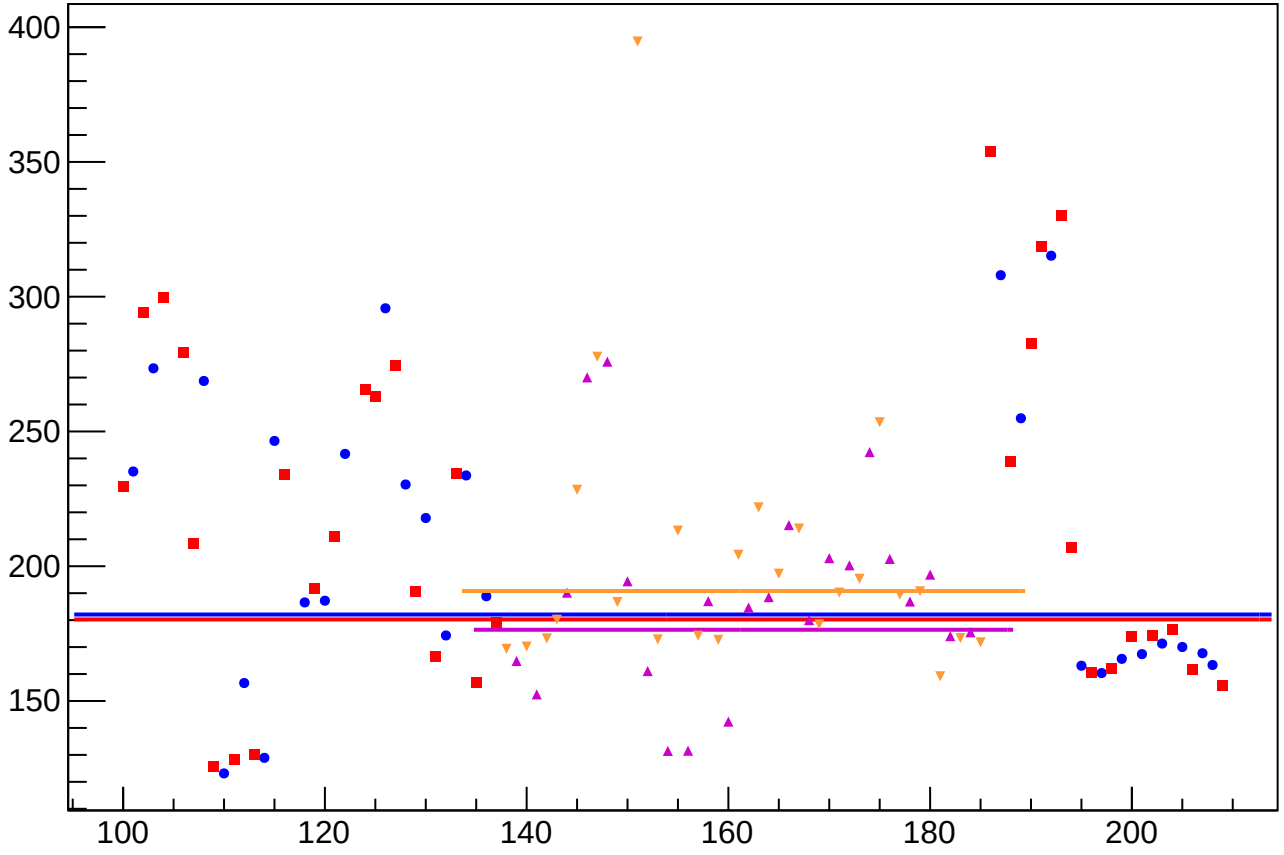
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 578.154+/-32.377 χ^2/NDF: 14357.5/51

All: 294.901+/-22.431 χ^2/NDF: 30098.5/106

- sign 33.463+/-31.106 χ^2/NDF: 15593.8/54

asym_bcm0l02_rms vs Slug



Right In: 182.084+/-0.033 χ^2/NDF: 1429059.6/26

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 180.248+/-0.032 χ^2/NDF: 2185509.4/31

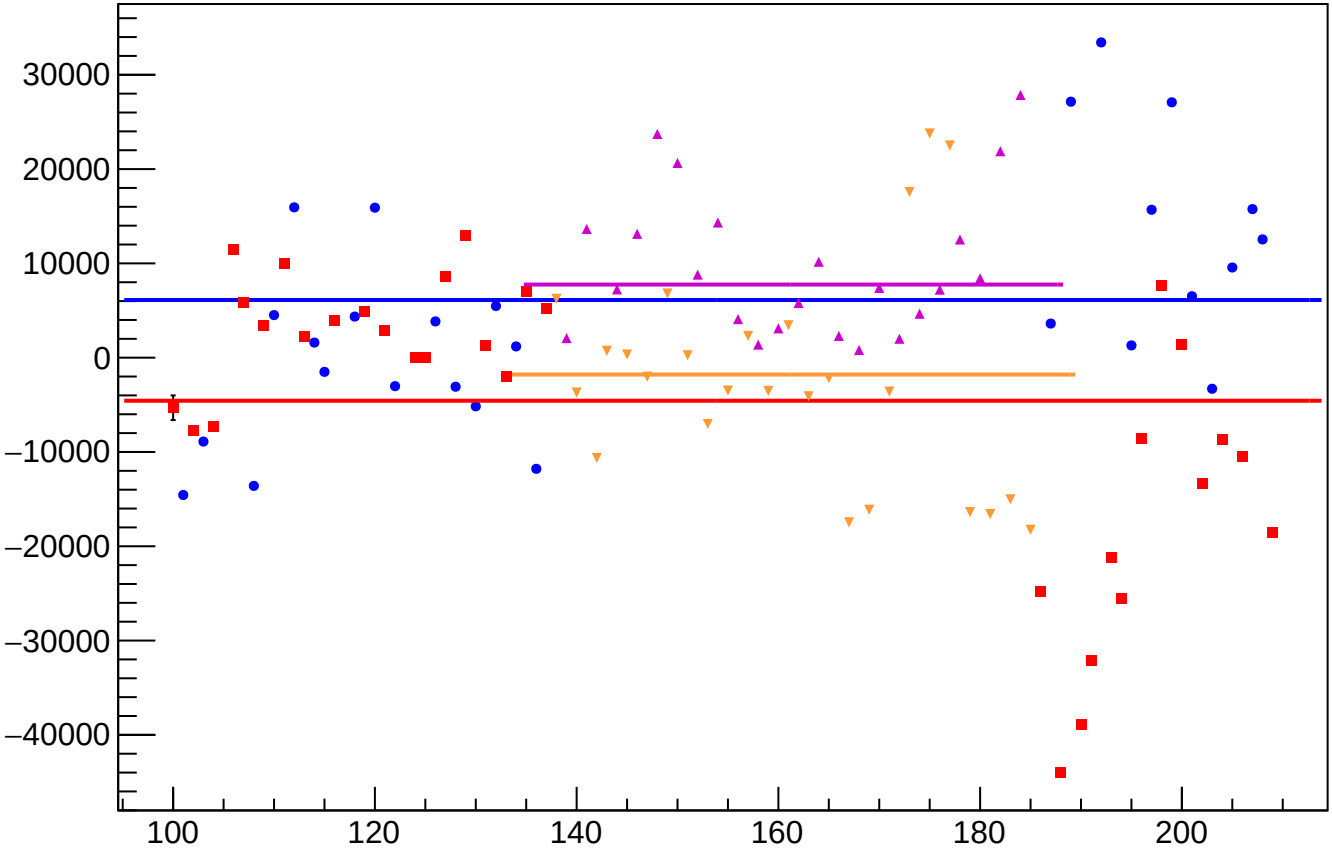
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 186.702+/-0.023 χ^2/NDF: 2484773.0/51

All: 182.293+/-0.016 χ^2/NDF: 6006784.4/106

- sign 178.223+/-0.022 χ^2/NDF: 3450670.0/54

asym_bpm0i02WS_mean vs Slug



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -4565.228+/-38.877 χ^2/NDF: 142258.0/31

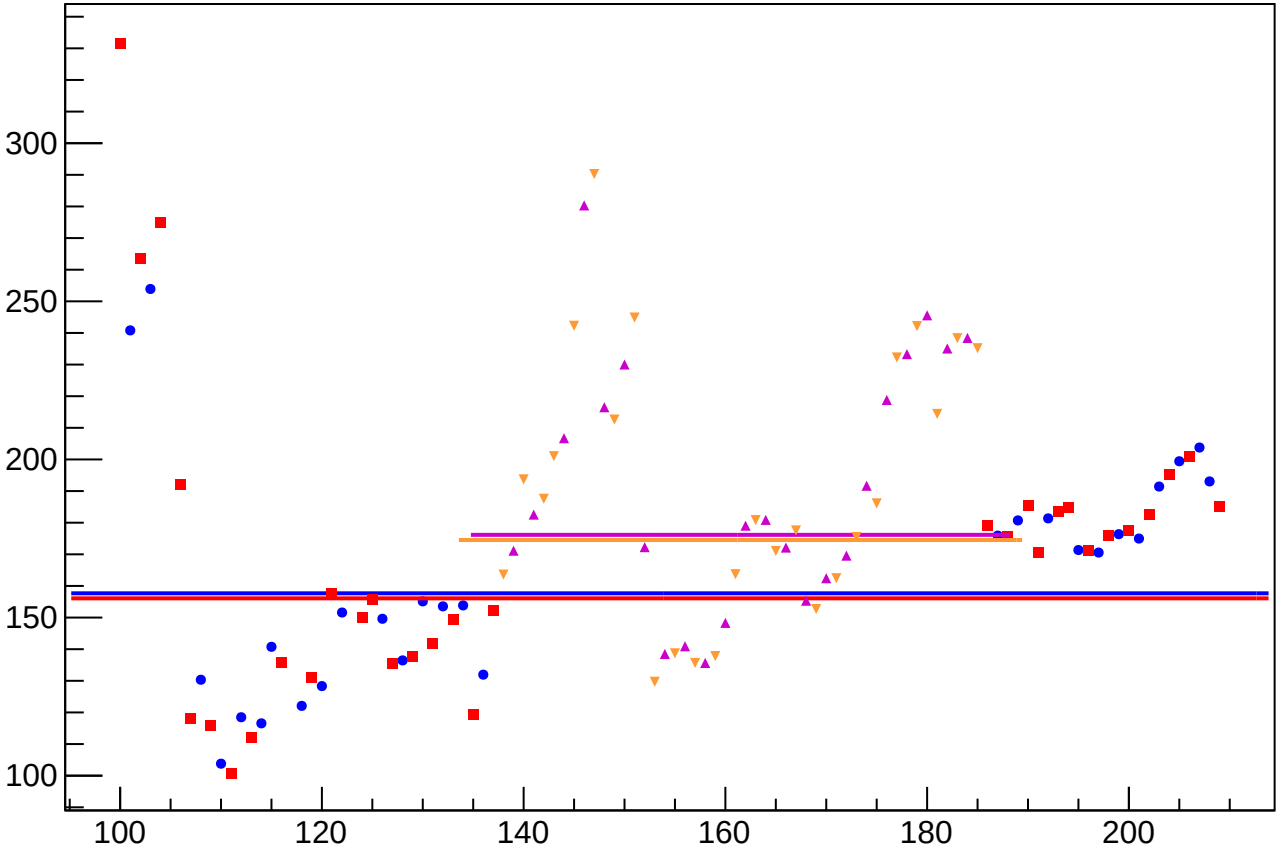
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2155.154+/-28.953 χ^2/NDF: 177931.2/51

All: 1591.315+/-20.386 χ^2/NDF: 389883.4/10

- sign 1037.008+/-28.708 χ^2/NDF: 211200.1/54

asym_bpm0i02WS_rms vs Slug



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

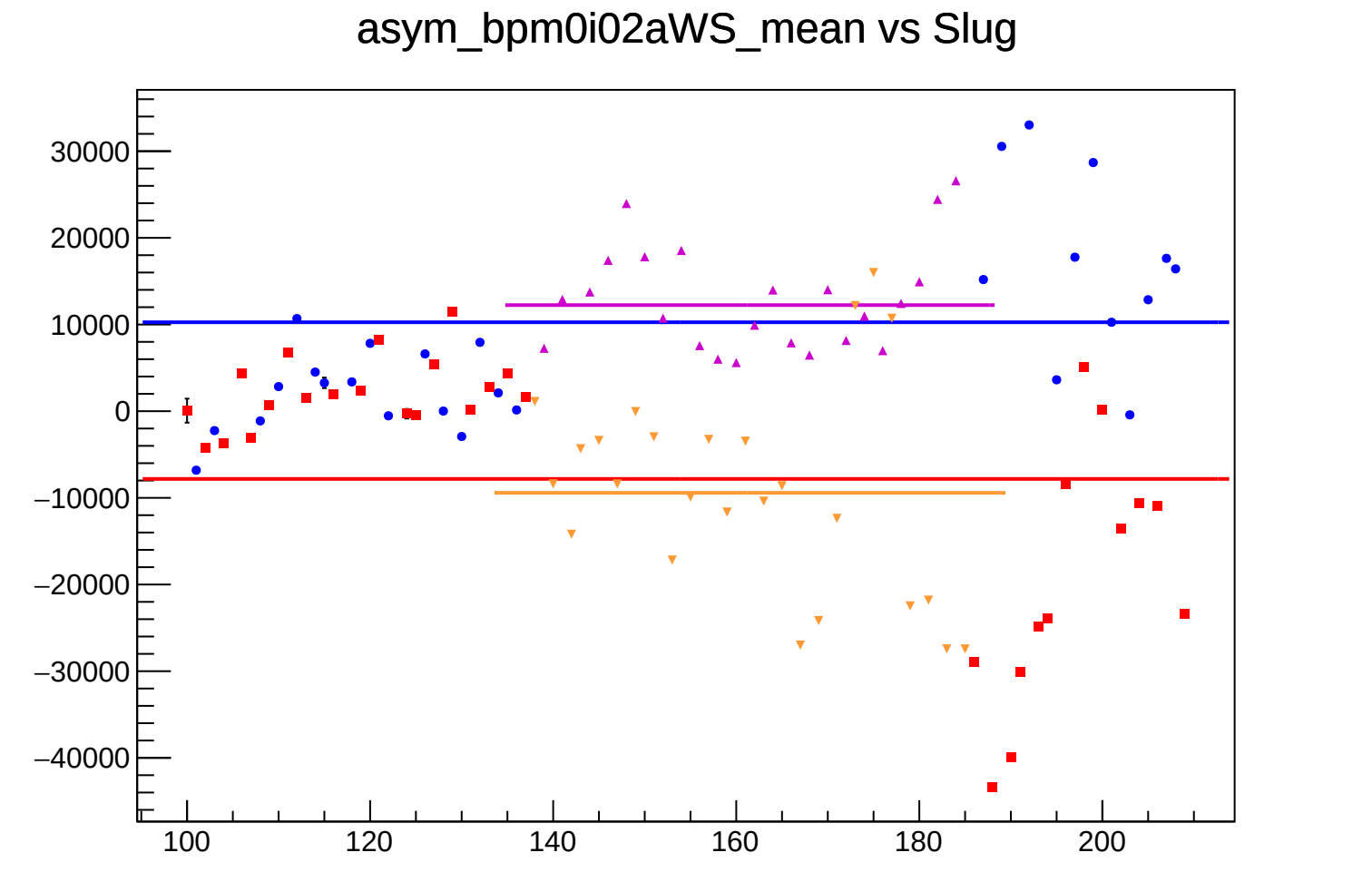
Right Out: 156.079+/-0.027 χ^2/NDF: 1653607.6/31

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

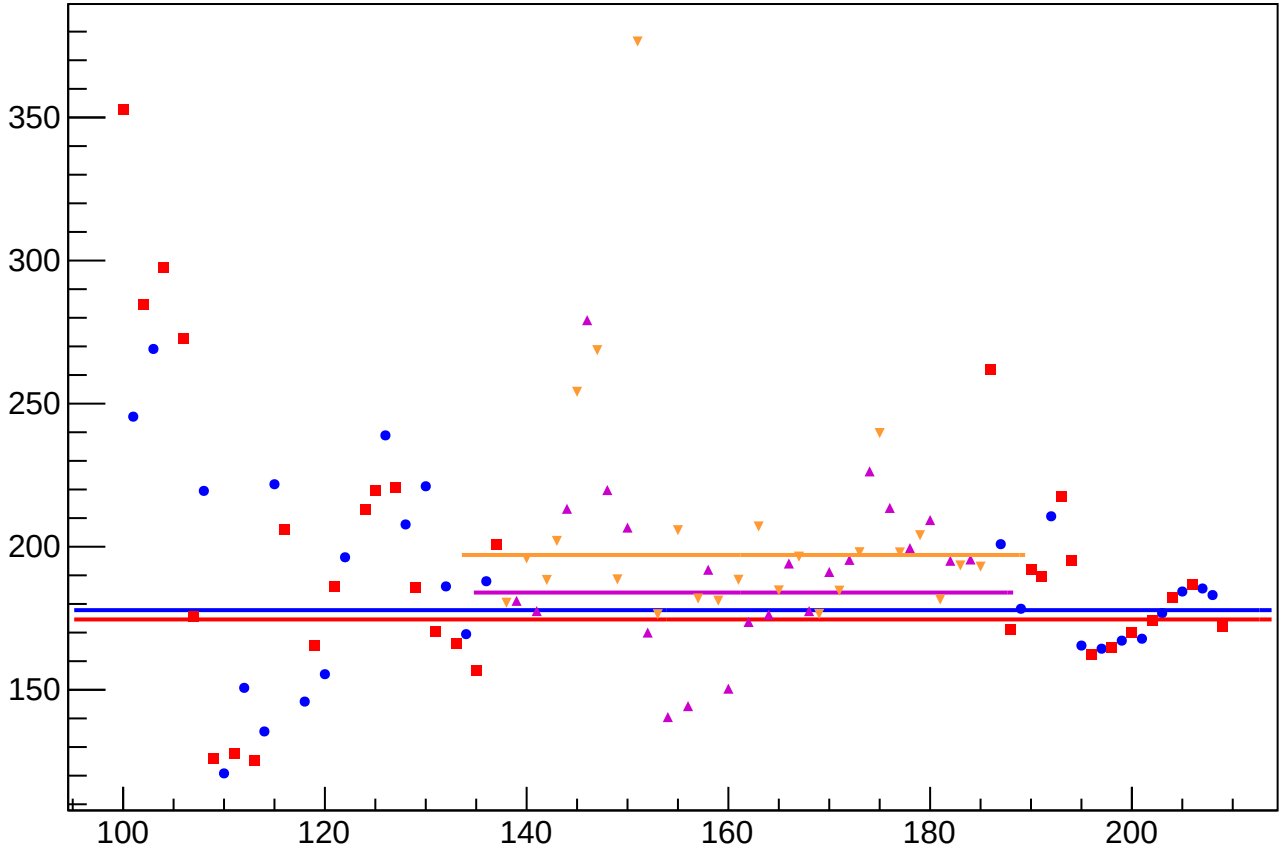
+ sign 166.109+/-0.020 χ^2/NDF: 3119857.9/51

All: 165.654+/-0.014 χ^2/NDF: 6384025.4/106

- sign 165.208+/-0.020 χ^2/NDF: 3263191.1/54


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 10259.986+/-45.655 χ²/NDF: 53859.4/26
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -7813.090+/-43.140 χ²/NDF: 113024.2/31
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 429.135+/-32.298 χ²/NDF: 211398.6/51
All: 1234.705+/-22.317 χ²/NDF: 447041.6/10
- sign 1970.652+/-30.871 χ²/NDF: 234452.7/54

asym_bpm0i02aWS_rms vs Slug



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.588+/-0.031 χ^2/NDF: 1206504.4/31

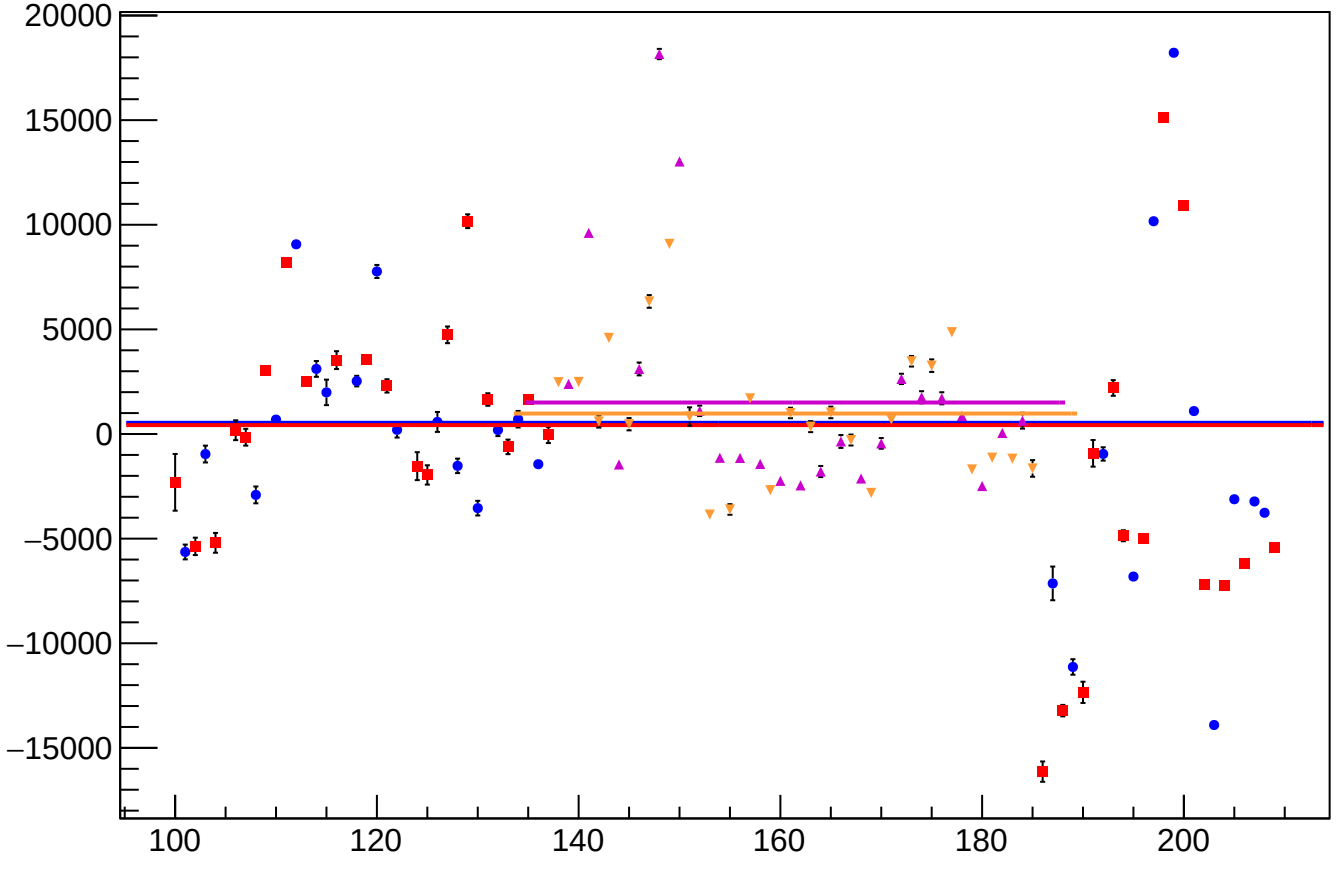
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.471+/-0.023 χ^2/NDF: 1678003.7/51

All: 183.135+/-0.016 χ^2/NDF: 3829567.7/106

- sign 179.173+/-0.022 χ^2/NDF: 2082585.3/54

asym_bpm0i05WS_mean vs Slug



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 425.642+/-48.657 χ^2/NDF: 21807.6/31

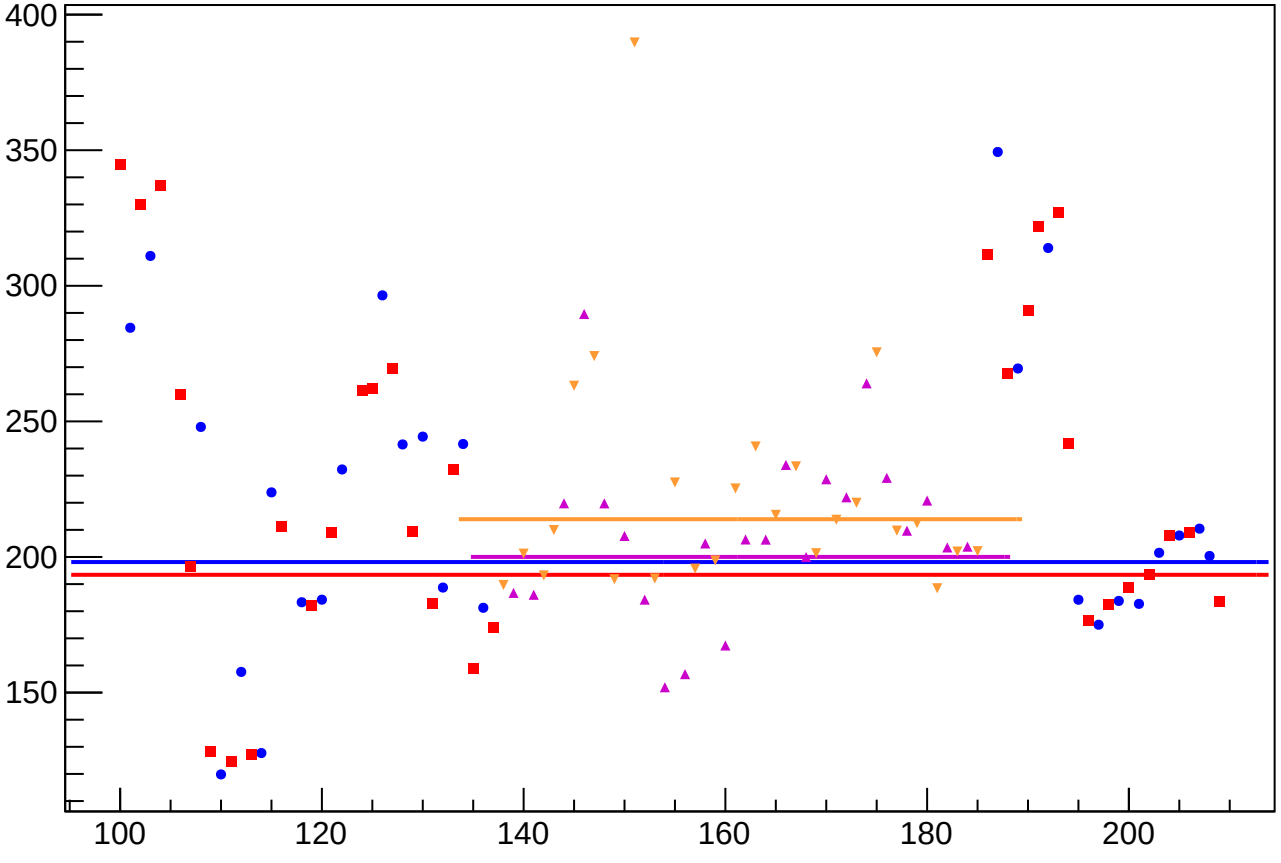
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 764.483+/-35.695 χ^2/NDF: 25818.1/51

All: 872.779+/-24.691 χ^2/NDF: 59373.0/106

- sign 972.130+/-34.189 χ^2/NDF: 33537.3/54

asym_bpm0i05WS_rms vs Slug



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.427+/-0.034 χ^2/NDF: 2259369.8/31

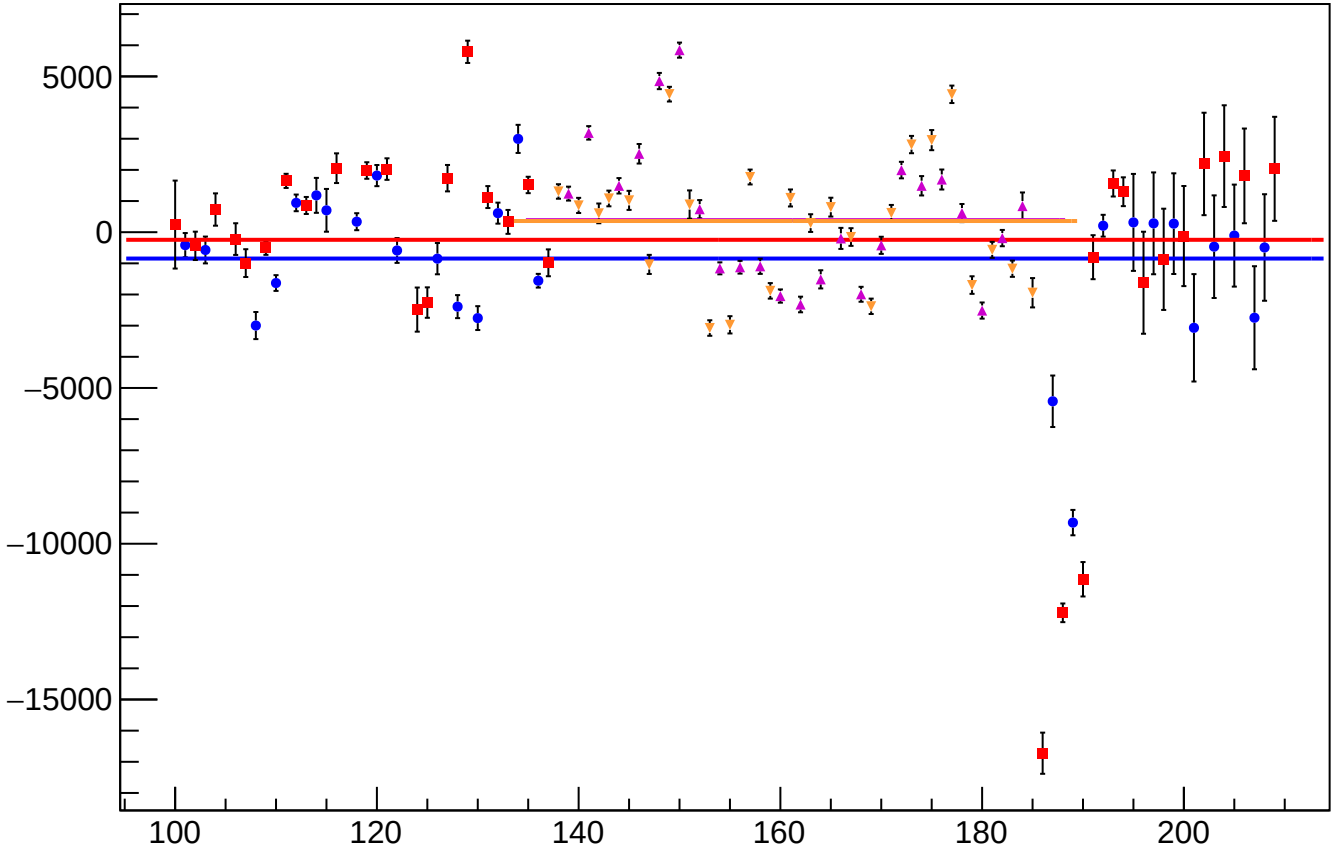
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.312+/-0.025 χ^2/NDF: 2283197.3/51

All: 201.336+/-0.017 χ^2/NDF: 5421276.6/106

- sign 196.770+/-0.024 χ^2/NDF: 3063544.4/54

asym_bpm0i07WS_mean vs Slug



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -244.428+/-73.639 χ^2/NDF: 3277.6/31

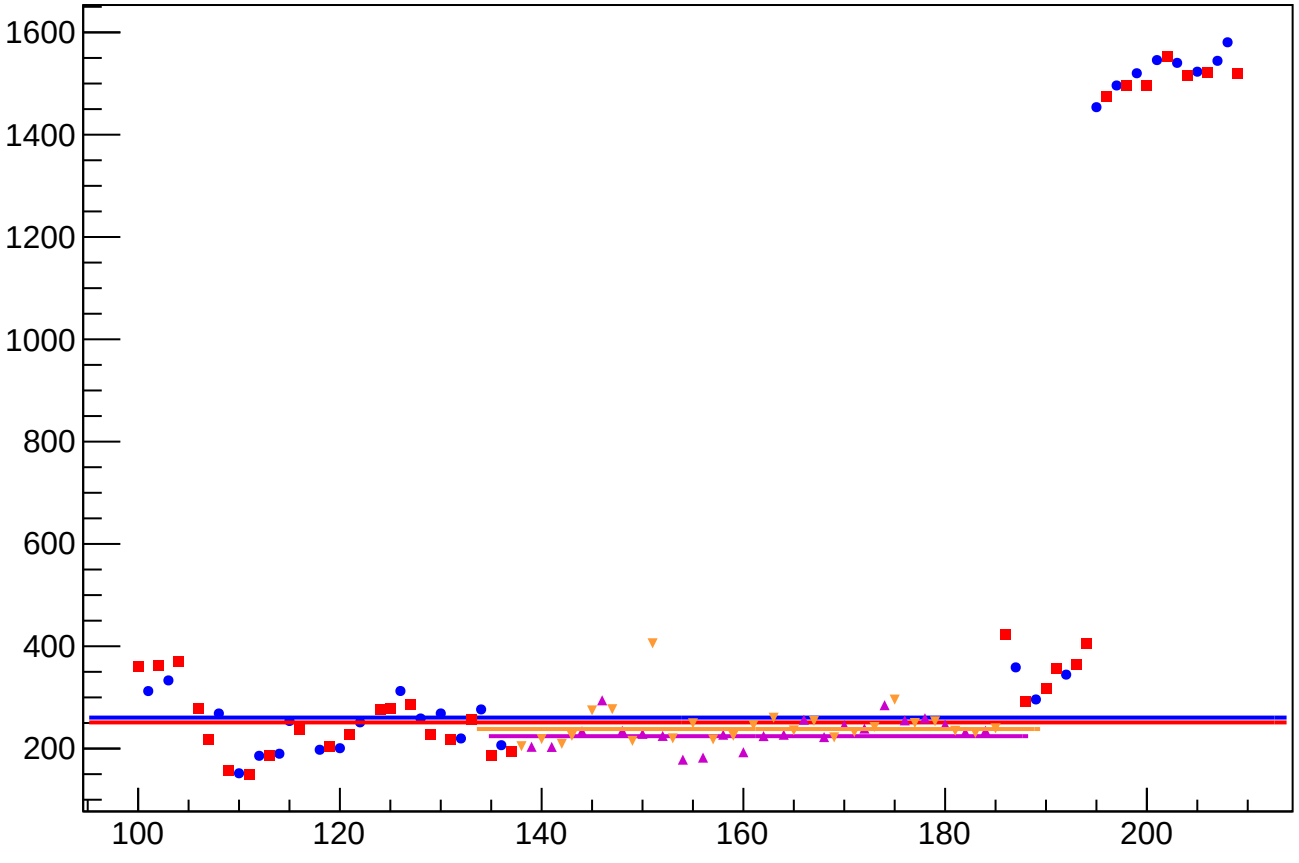
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

\+ sign -20.126+/-45.532 χ^2/NDF: 2370.8/51

All: 79.015+/-31.376 χ^2/NDF: 7509.7/106

\- sign 168.667+/-43.298 χ^2/NDF: 5129.8/54

asym_bpm0i07WS_rms vs Slug



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.106+/-0.052 χ^2/NDF: 10524294.3/31

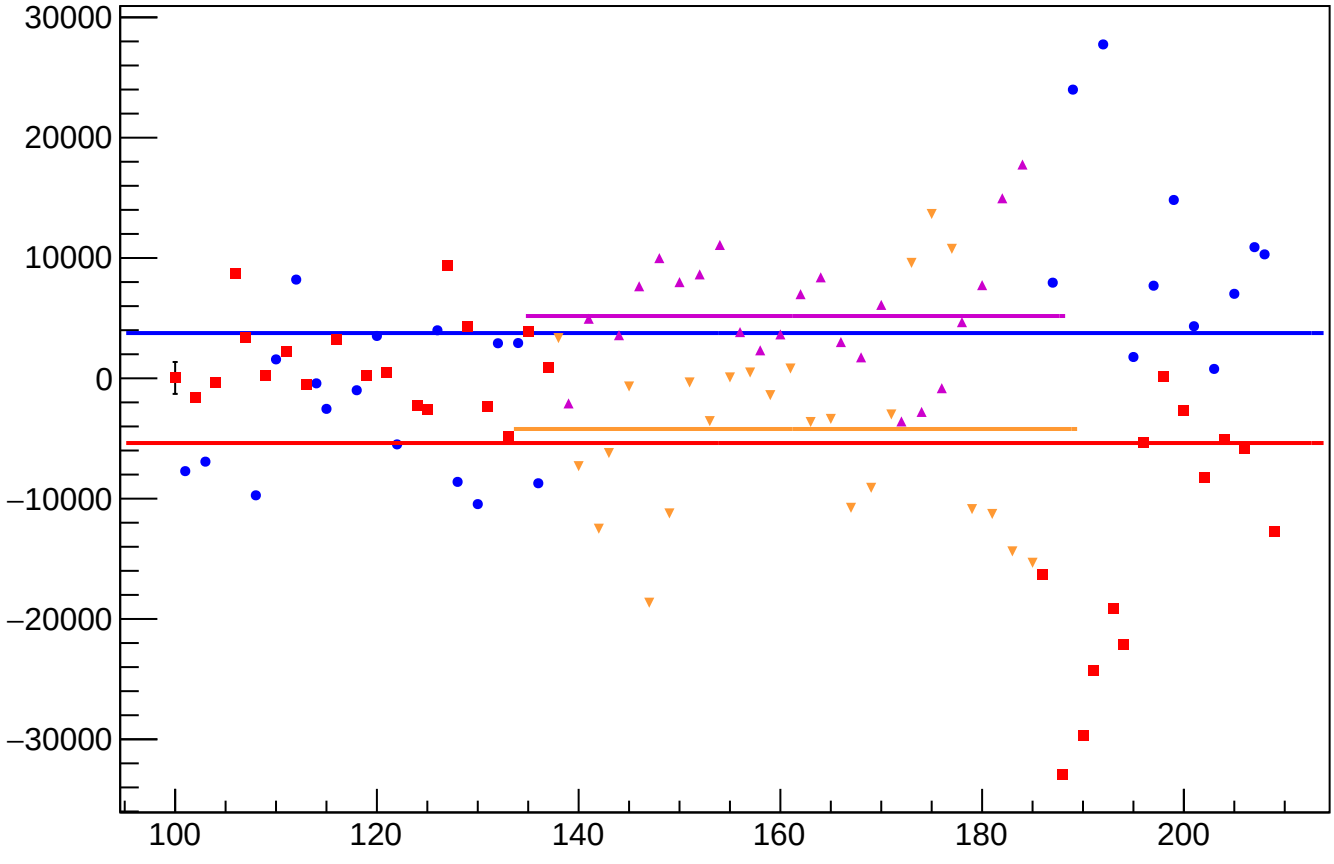
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 245.234+/-0.032 χ^2/NDF: 11266051.4/51

All: 239.077+/-0.022 χ^2/NDF: 22597756.8/10

- sign 233.510+/-0.031 χ^2/NDF: 11262067.8/54

asym_bpm1i02WS_mean vs Slug



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5377.094+/-32.812 χ^2/NDF: 104709.2/31

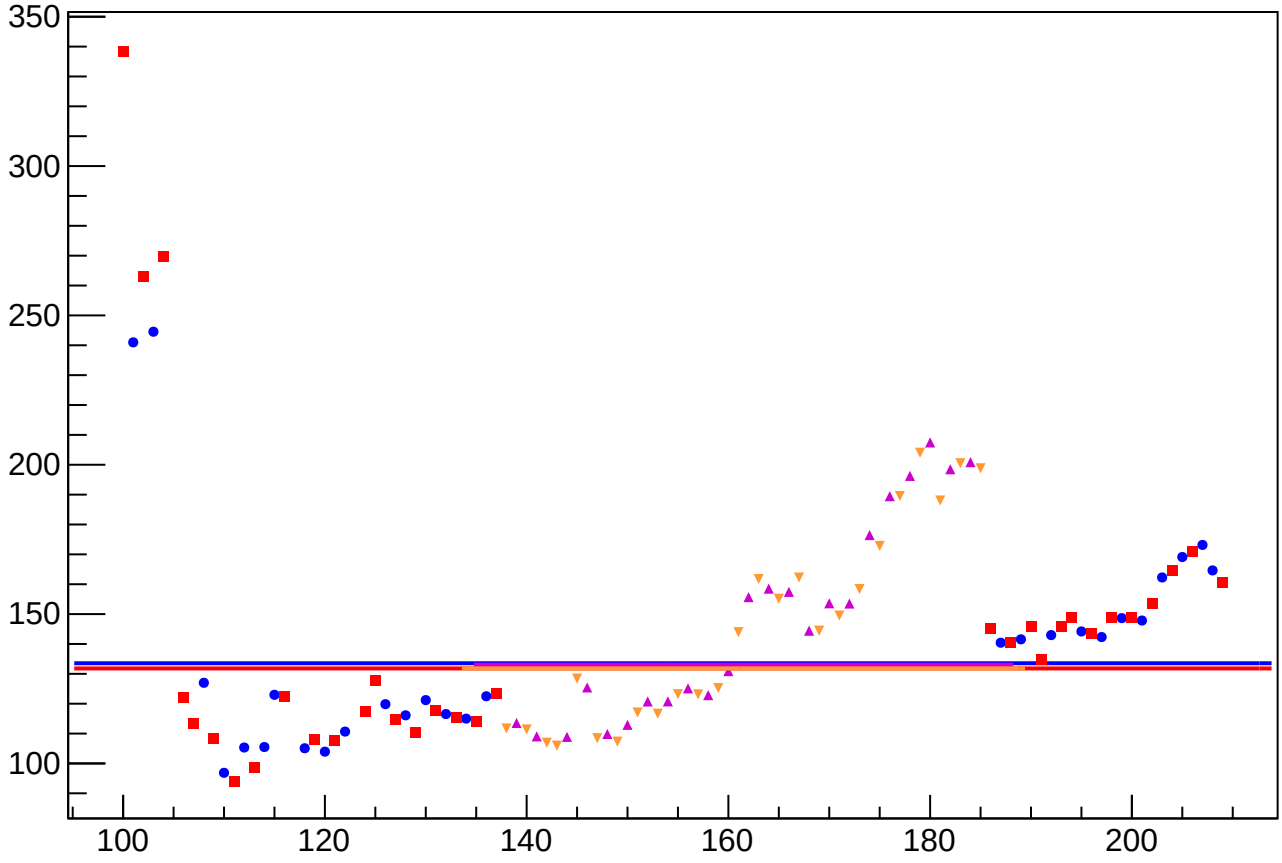
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

\+ sign -703.858+/-23.073 χ^2/NDF: 165591.5/51

All: -330.199+/-16.253 χ^2/NDF: 342451.0/10

\- sign 37.818+/-22.898 χ^2/NDF: 176339.0/54

asym_bpm1i02WS_rms vs Slug



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 131.804+/-0.023 χ^2/NDF: 1500924.7/31

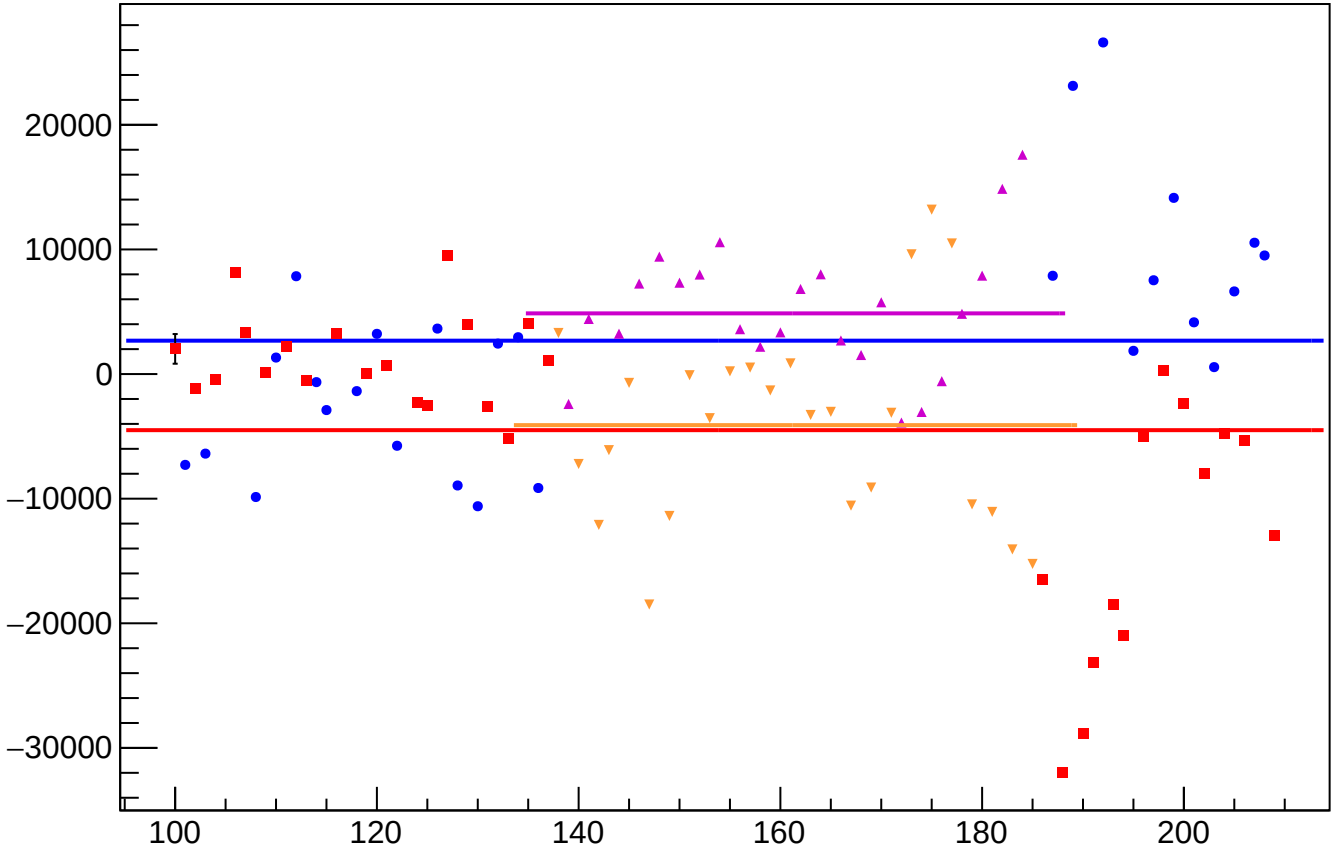
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 132.564+/-0.016 χ^2/NDF: 2832643.3/51

All: 132.506+/-0.011 χ^2/NDF: 5753350.7/106

- sign 132.449+/-0.016 χ^2/NDF: 2920682.3/54

asym_bpm2i01WS_mean vs Slug



Right In: 2678.910+/-31.830 χ^2/NDF: 87059.1/26

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4502.209+/-30.209 χ^2/NDF: 111211.3/31

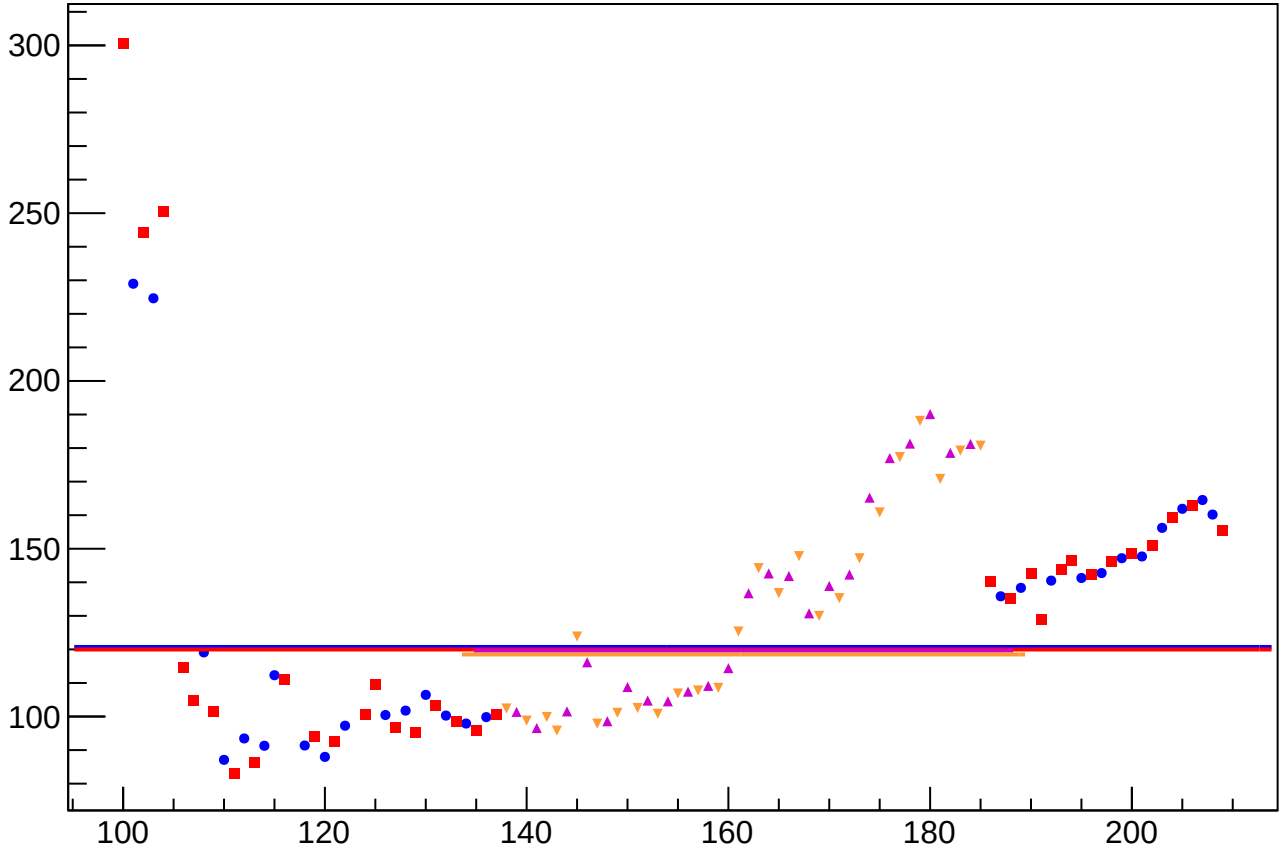
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -1169.430+/-20.926 χ^2/NDF: 179074.8/51

All: -378.778+/-14.769 χ^2/NDF: 365449.7/10

- sign 406.003+/-20.848 χ^2/NDF: 183530.4/54

asym_bpm2i01WS_rms vs Slug



Right In: 120.729+/-0.023 χ^2/NDF: 1896989.2/26

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 119.980+/-0.021 χ^2/NDF: 2122228.8/31

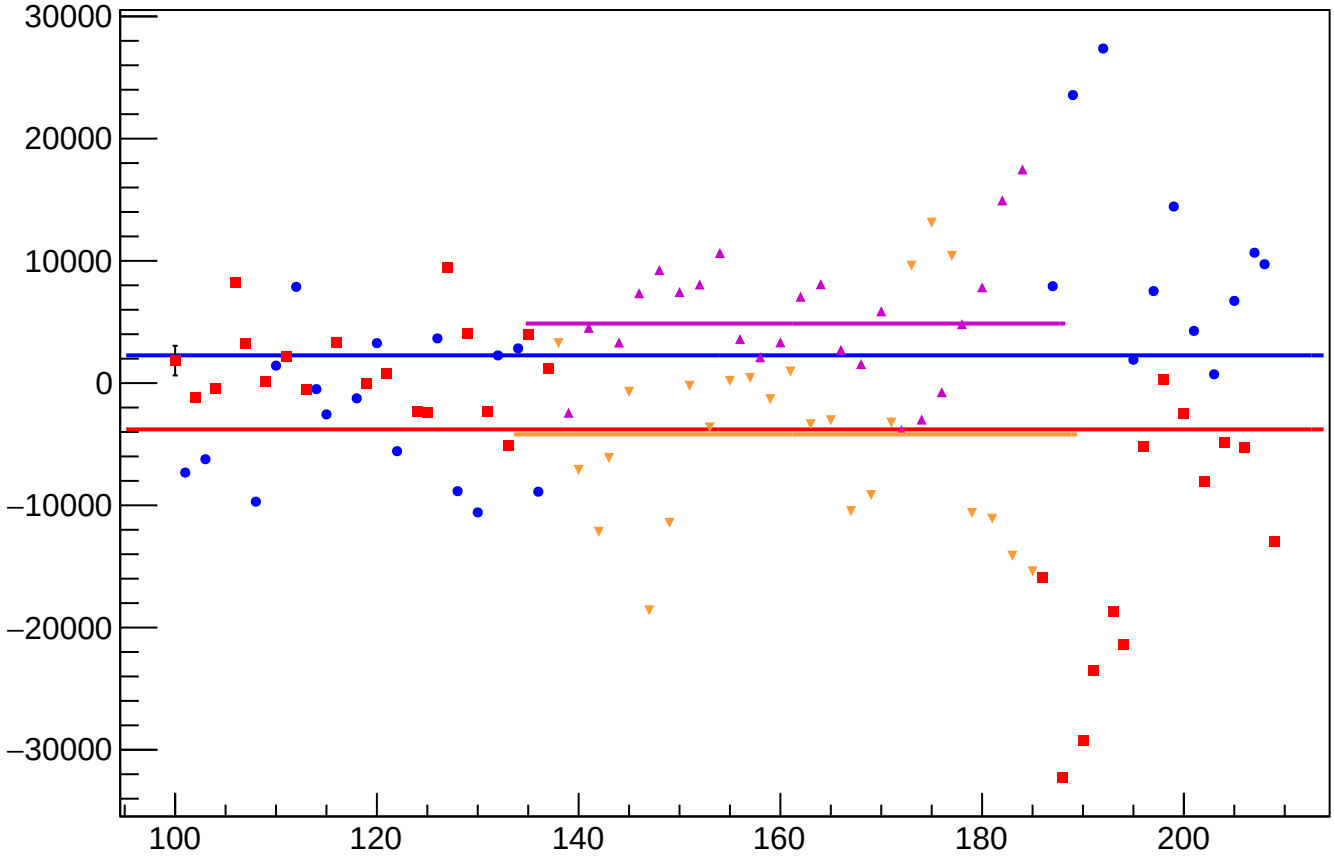
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 119.464+/-0.015 χ^2/NDF: 3529687.7/51

All: 119.635+/-0.010 χ^2/NDF: 7164691.1/106

- sign 119.804+/-0.015 χ^2/NDF: 3634738.2/54

asym_bpm2i02WS_mean vs Slug



Right In: 2270.148+/-31.429 χ^2/NDF: 86087.3/26

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3785.150+/-29.867 χ^2/NDF: 104786.7/31

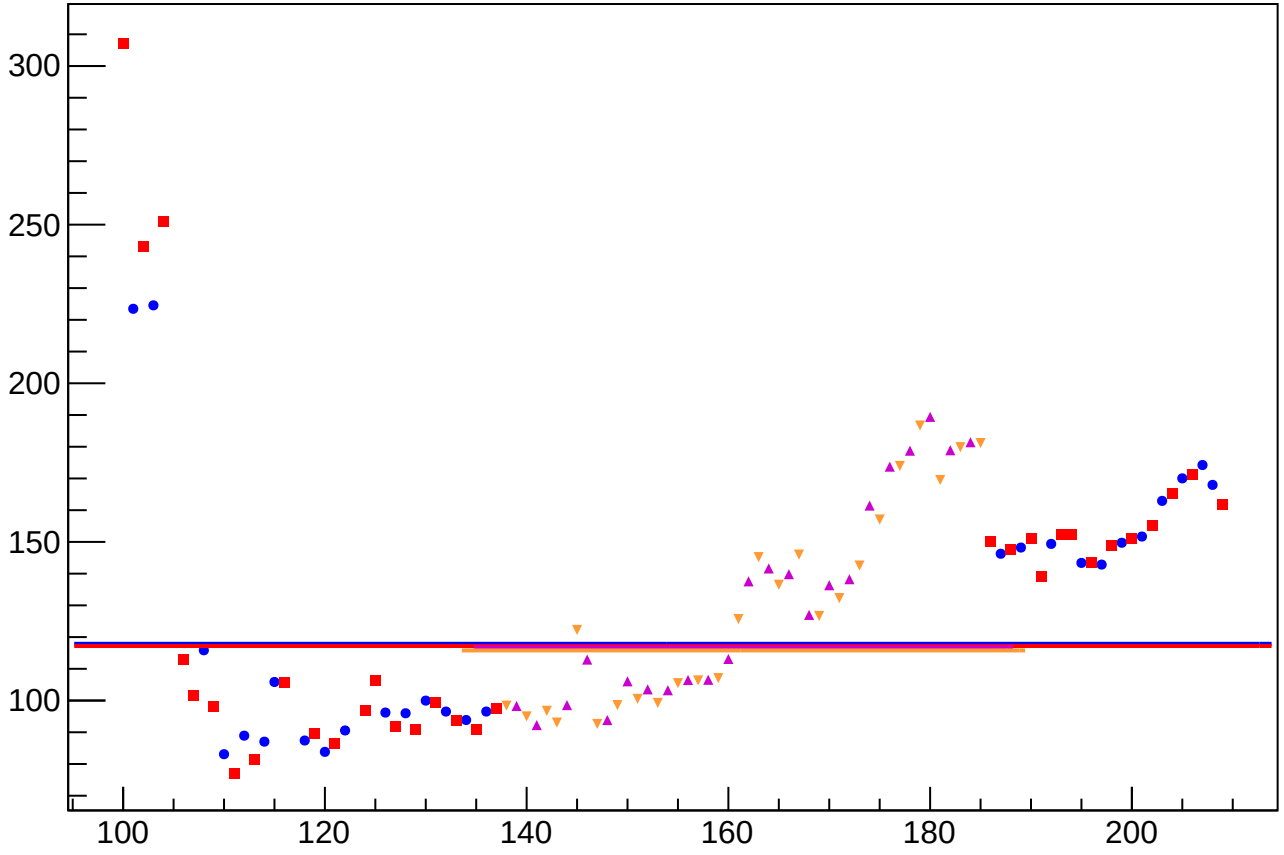
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -1426.490+/-20.572 χ^2/NDF: 180706.6/51

All: -313.458+/-14.523 χ^2/NDF: 358682.0/10

\- sign 792.308+/-20.505 χ^2/NDF: 172139.9/54

asym_bpm2i02WS_rms vs Slug



Right In: 117.883+/-0.022 χ^2/NDF: 2432895.1/26

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 117.187+/-0.021 χ^2/NDF: 2791794.7/31

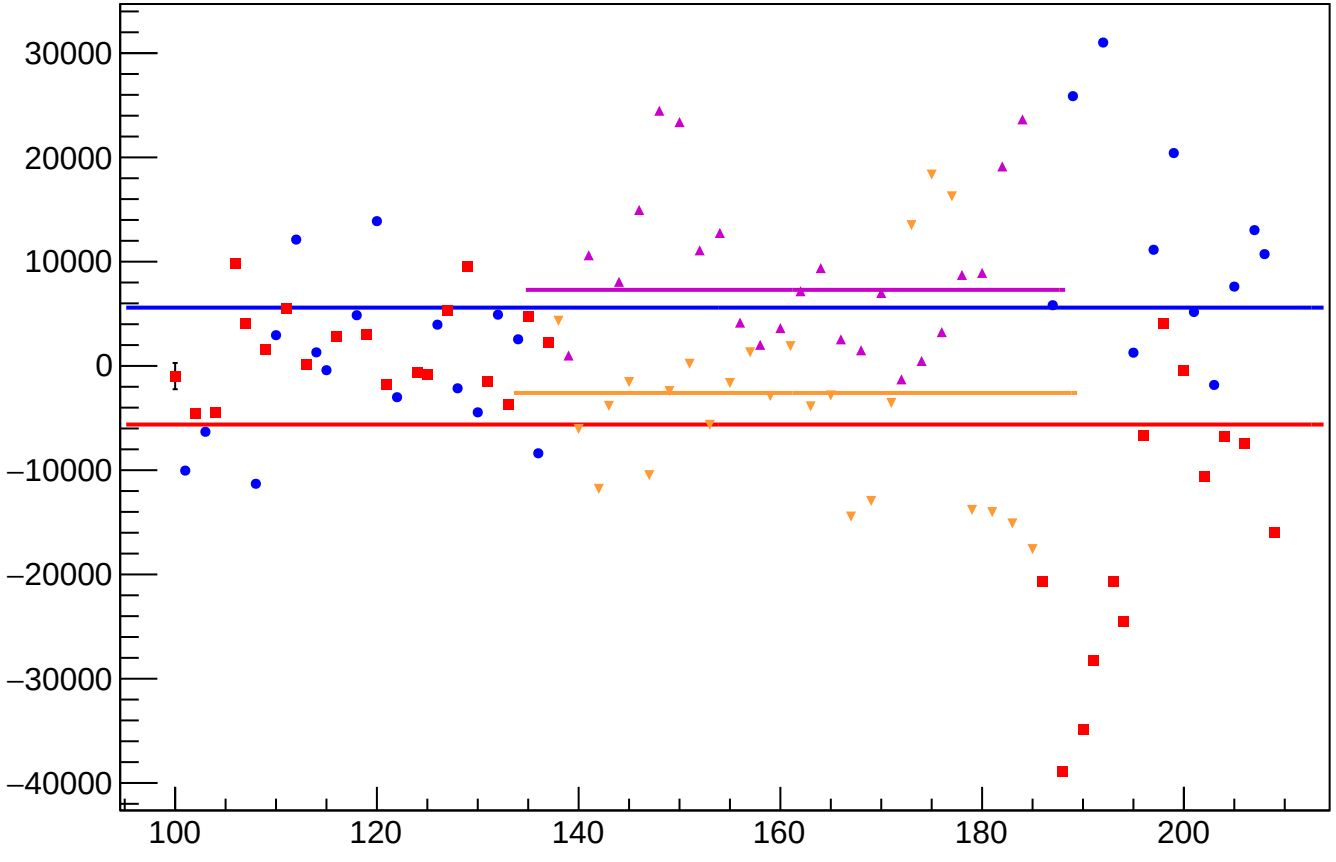
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 116.691+/-0.015 χ^2/NDF: 4186945.4/51

All: 116.840+/-0.010 χ^2/NDF: 8596763.9/106

- sign 116.987+/-0.014 χ^2/NDF: 4409610.8/54

asym_bpm0i01WS_mean vs Slug



Right In: 5591.493+/-41.672 χ^2/NDF: 64369.9/26

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5621.382+/-39.699 χ^2/NDF: 99576.7/31

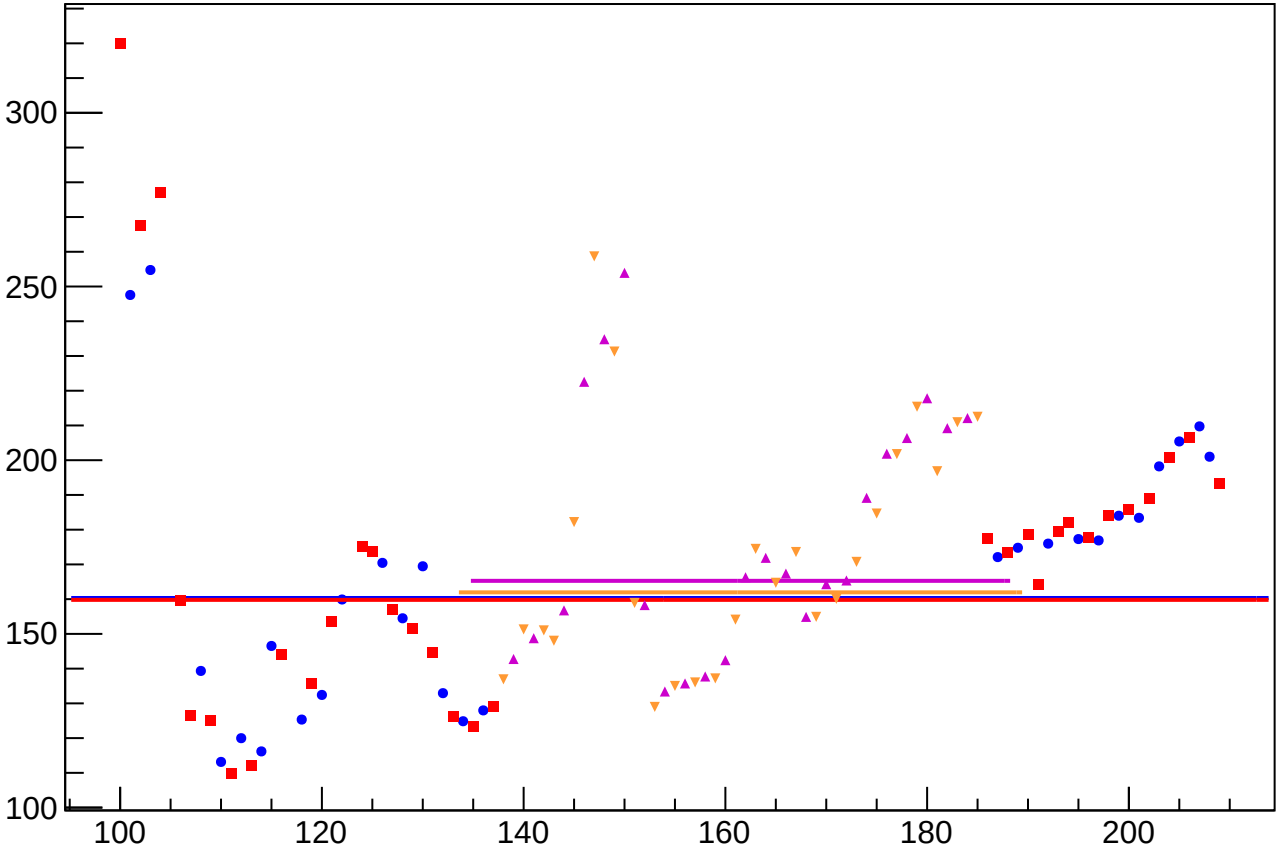
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1085.454+/-27.934 χ^2/NDF: 133597.3/51

All: 971.853+/-19.785 χ^2/NDF: 311054.1/106

- sign 857.488+/-28.028 χ^2/NDF: 177423.6/54

asym_bpm0i01WS_rms vs Slug



Right In: 160.334+/-0.029 χ^2/NDF: 1356307.5/26

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 159.797+/-0.028 χ^2/NDF: 1517070.3/31

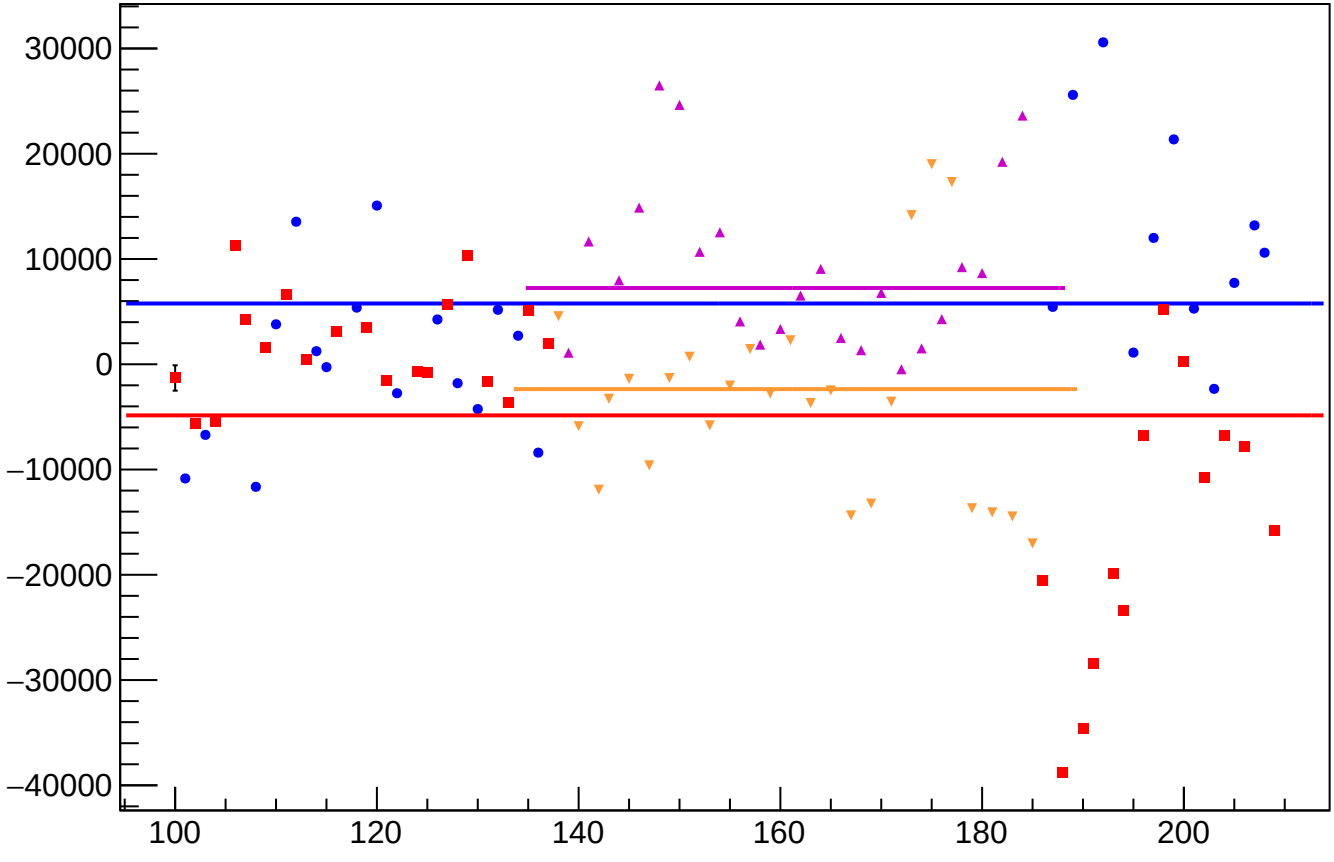
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 161.228+/-0.020 χ^2/NDF: 2502785.8/51

All: 161.883+/-0.014 χ^2/NDF: 5220242.0/106

- sign 162.543+/-0.020 χ^2/NDF: 2715246.7/54

asym_bpm0i01aWS_mean vs Slug



Right In: 5772.337+/-35.382 χ^2/NDF: 89819.3/26

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4855.667+/-33.522 χ^2/NDF: 138608.3/31

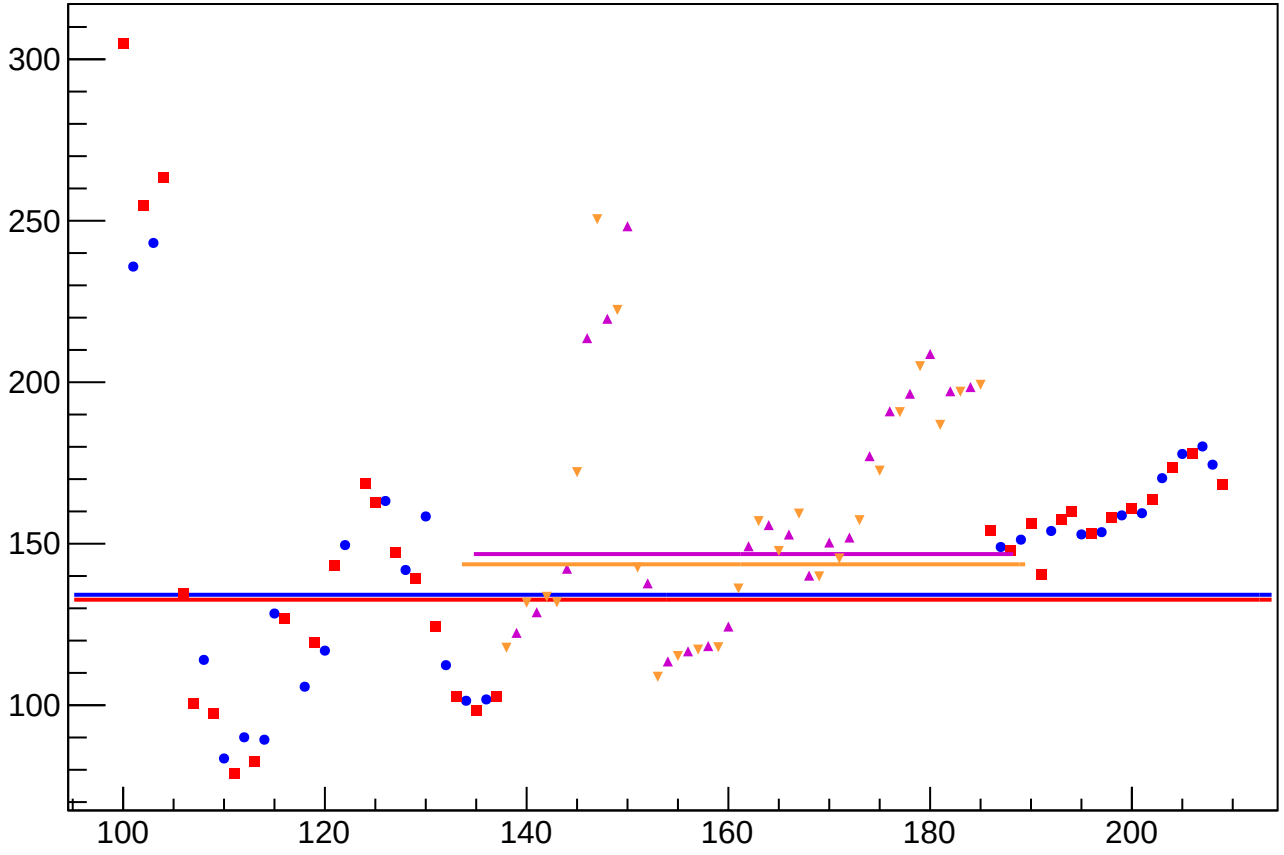
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1505.487+/-24.395 χ^2/NDF: 176105.9/51

All: 1175.934+/-17.243 χ^2/NDF: 406931.6/10

- sign 846.908+/-24.375 χ^2/NDF: 230461.0/54

asym_bpm0i01aWS_rms vs Slug



Right In: 134.191+/-0.025 χ^2/NDF: 2030757.4/26

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 132.667+/-0.024 χ^2/NDF: 2391678.3/31

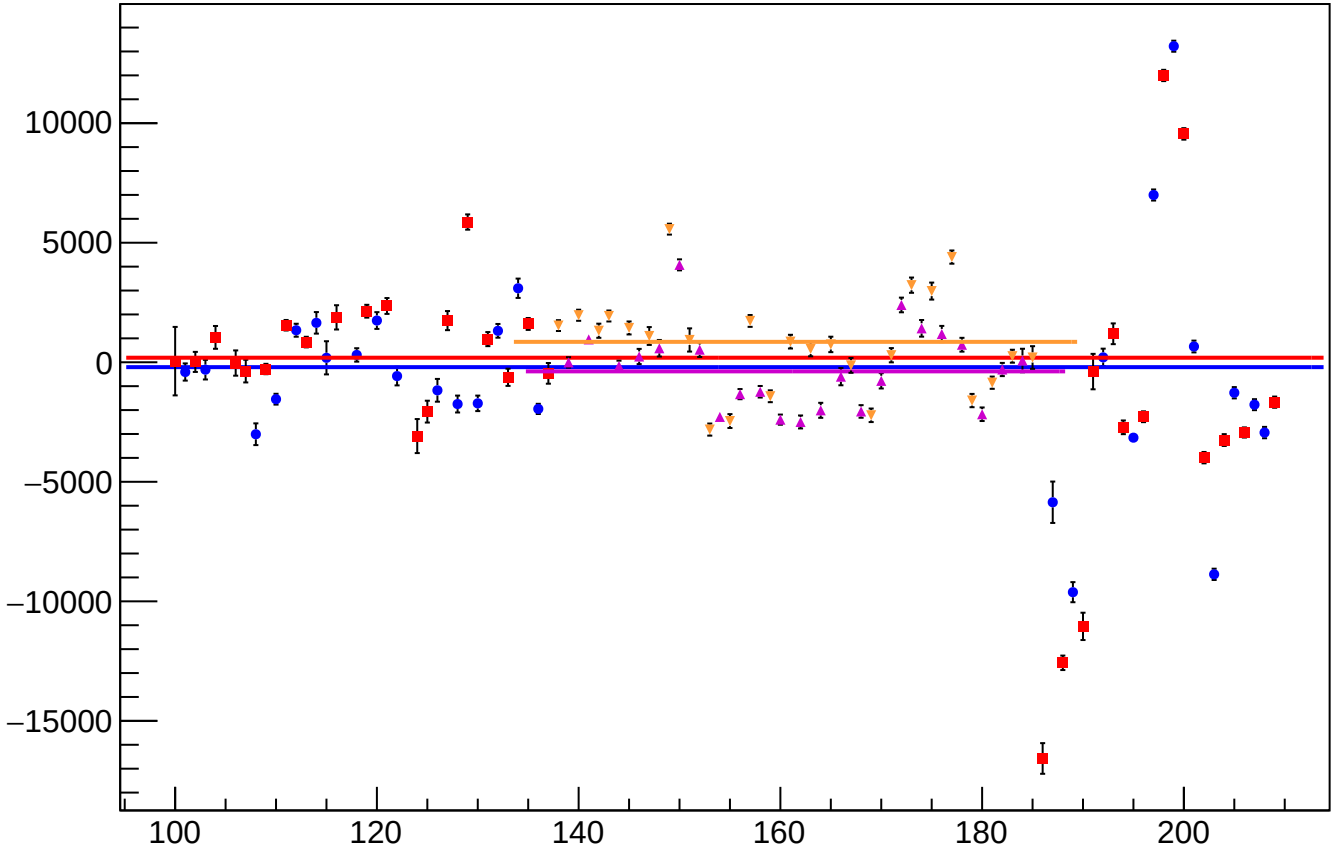
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 139.139+/-0.017 χ^2/NDF: 3768138.9/51

All: 139.232+/-0.012 χ^2/NDF: 8021766.5/106

- sign 139.324+/-0.017 χ^2/NDF: 4253569.6/54

asym_bpm0l01WS_mean vs Slug



Right In: -204.192+/-56.659 χ^2/NDF: 6999.3/26

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 190.335+/-54.536 χ^2/NDF: 8465.0/31

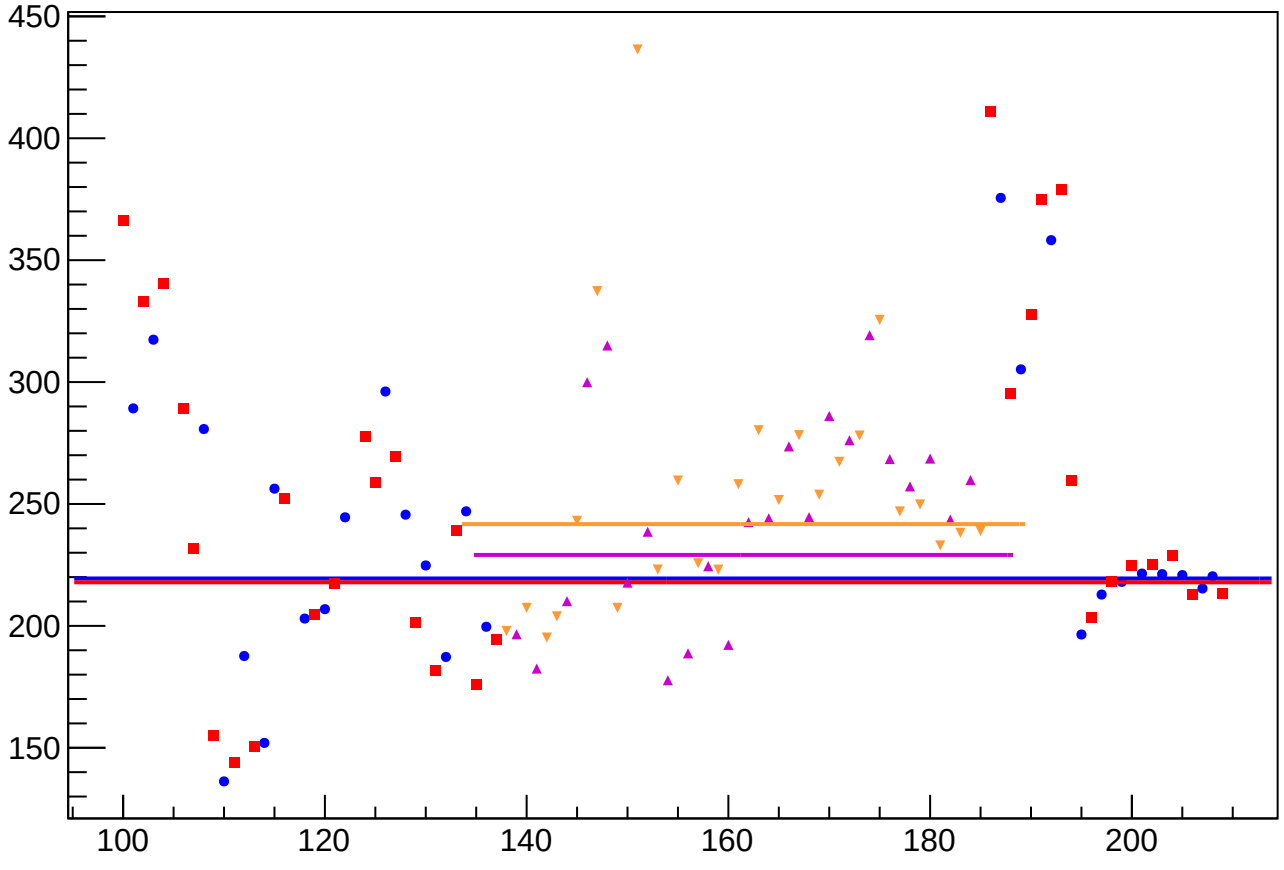
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 328.822+/-39.914 χ^2/NDF: 8618.9/51

All: 112.237+/-27.811 χ^2/NDF: 18177.7/106

- sign -92.142+/-38.773 χ^2/NDF: 9501.6/54

asym_bpm0l01WS_rms vs Slug



Right In: 219.441+/-0.040 χ^2/NDF: 1172101.1/26

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 217.870+/-0.039 χ^2/NDF: 1910853.6/31

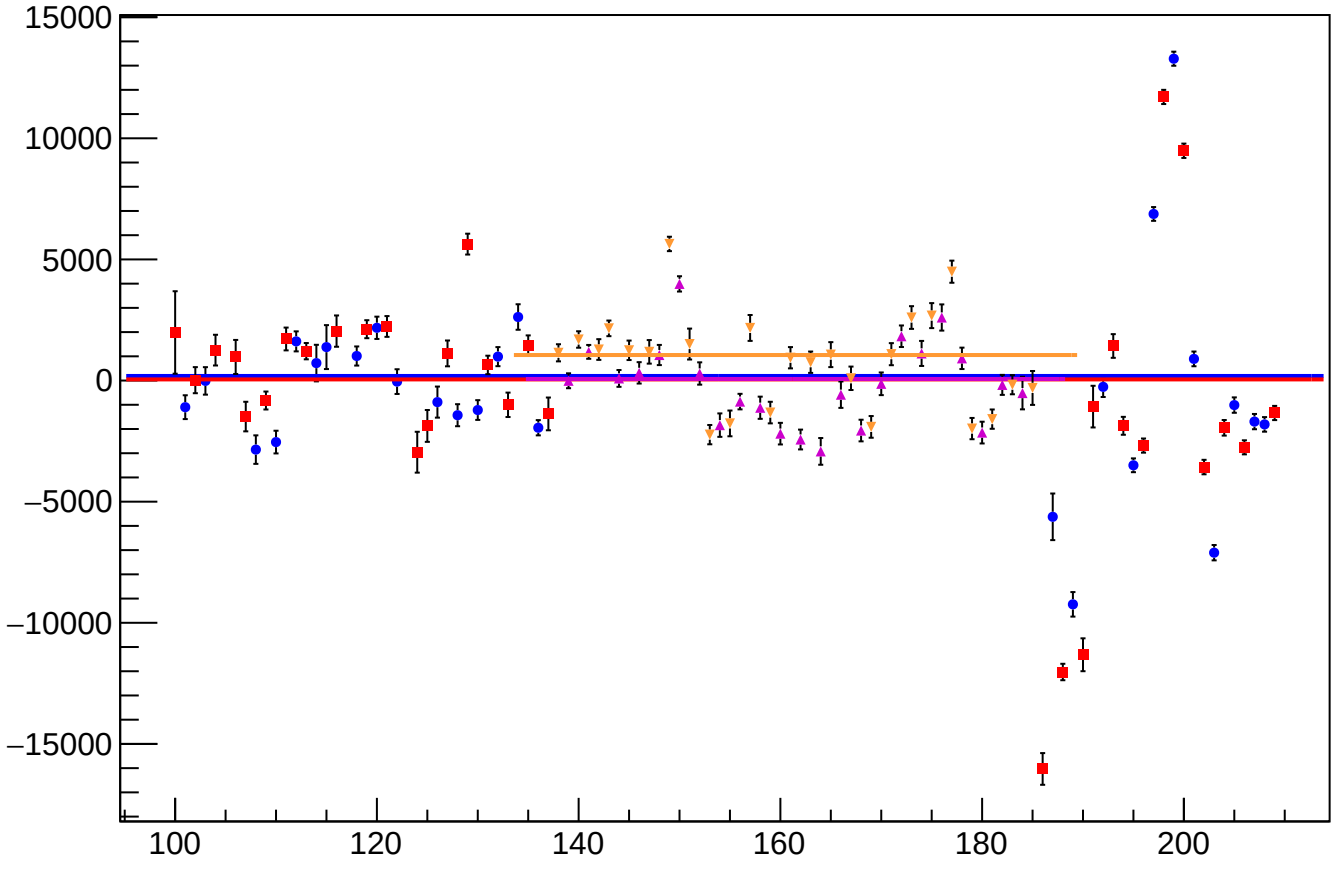
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 230.677+/-0.028 χ^2/NDF: 2314630.3/51

All: 226.946+/-0.020 χ^2/NDF: 5370368.8/106

- sign 223.425+/-0.027 χ^2/NDF: 3021775.6/54

asym_bpm0l02WS_mean vs Slug



Right In: 189.174+/-76.480 χ^2/NDF: 3970.8/26

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 46.439+/-73.847 χ^2/NDF: 5502.1/31

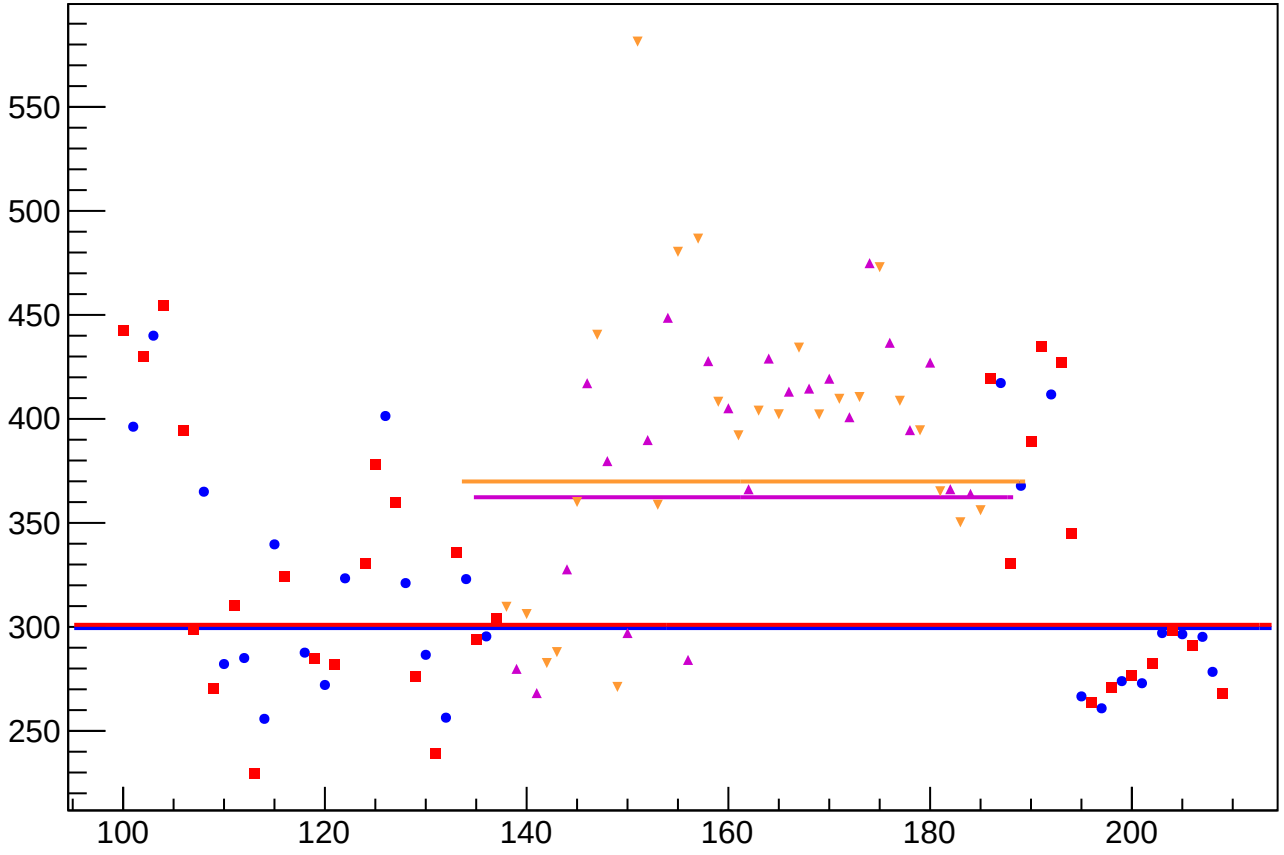
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 571.321+/-57.119 χ^2/NDF: 4641.9/51

All: 308.548+/-40.063 χ^2/NDF: 10580.2/106

- sign 54.099+/-56.207 χ^2/NDF: 5896.6/54

asym_bpm0l02WS_rms vs Slug



Right In: 299.440+/-0.054 χ^2/NDF: 654535.1/26

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 301.009+/-0.052 χ^2/NDF: 947833.9/31

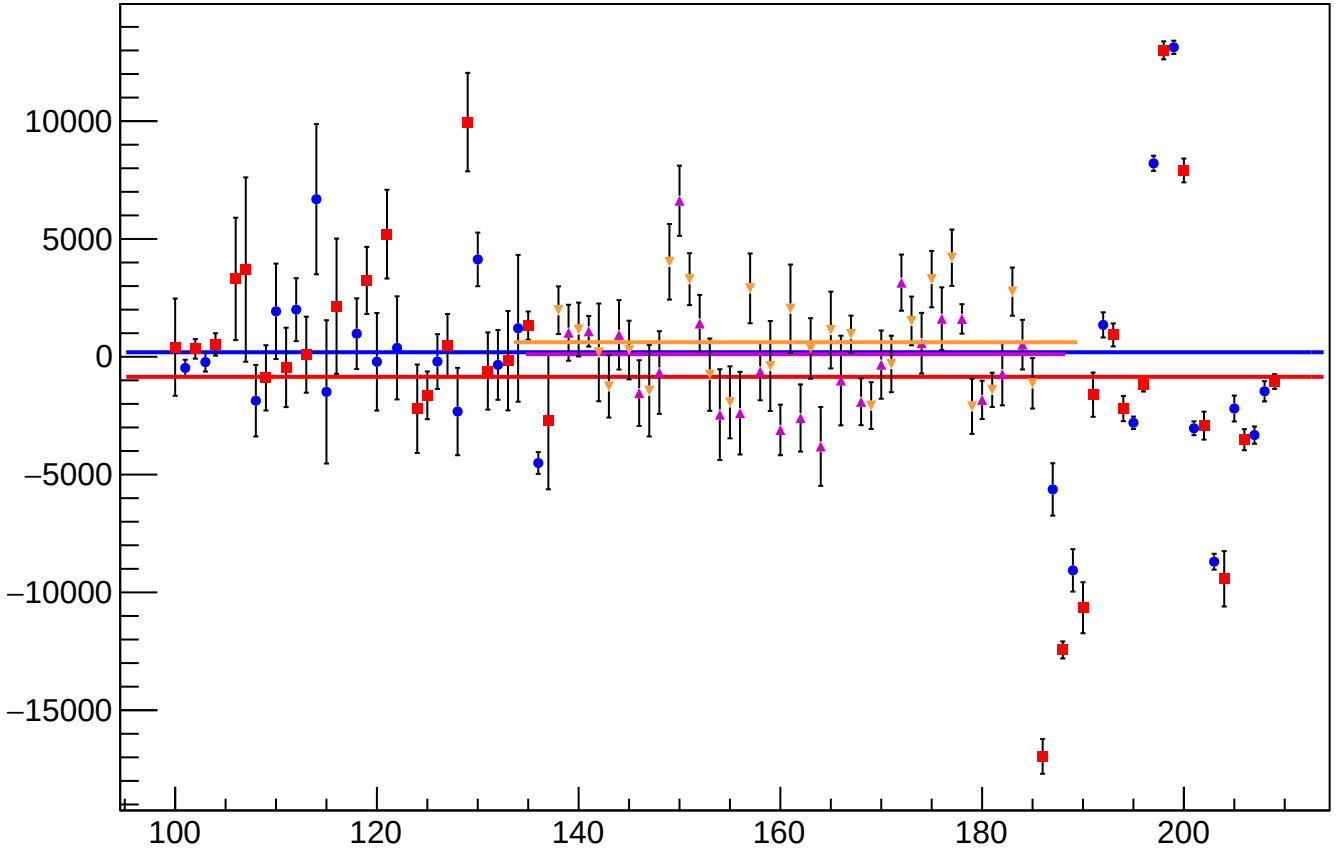
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 330.608+/-0.040 χ^2/NDF: 2636001.3/51

All: 328.679+/-0.028 χ^2/NDF: 5222080.8/106

- sign 326.810+/-0.040 χ^2/NDF: 2581585.8/54

asym_bpm0l03WS_mean vs Slug



Right In: 192.135+/-98.756 χ^2/NDF: 4075.8/26

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -851.234+/-112.747 χ^2/NDF: 3408.9/31

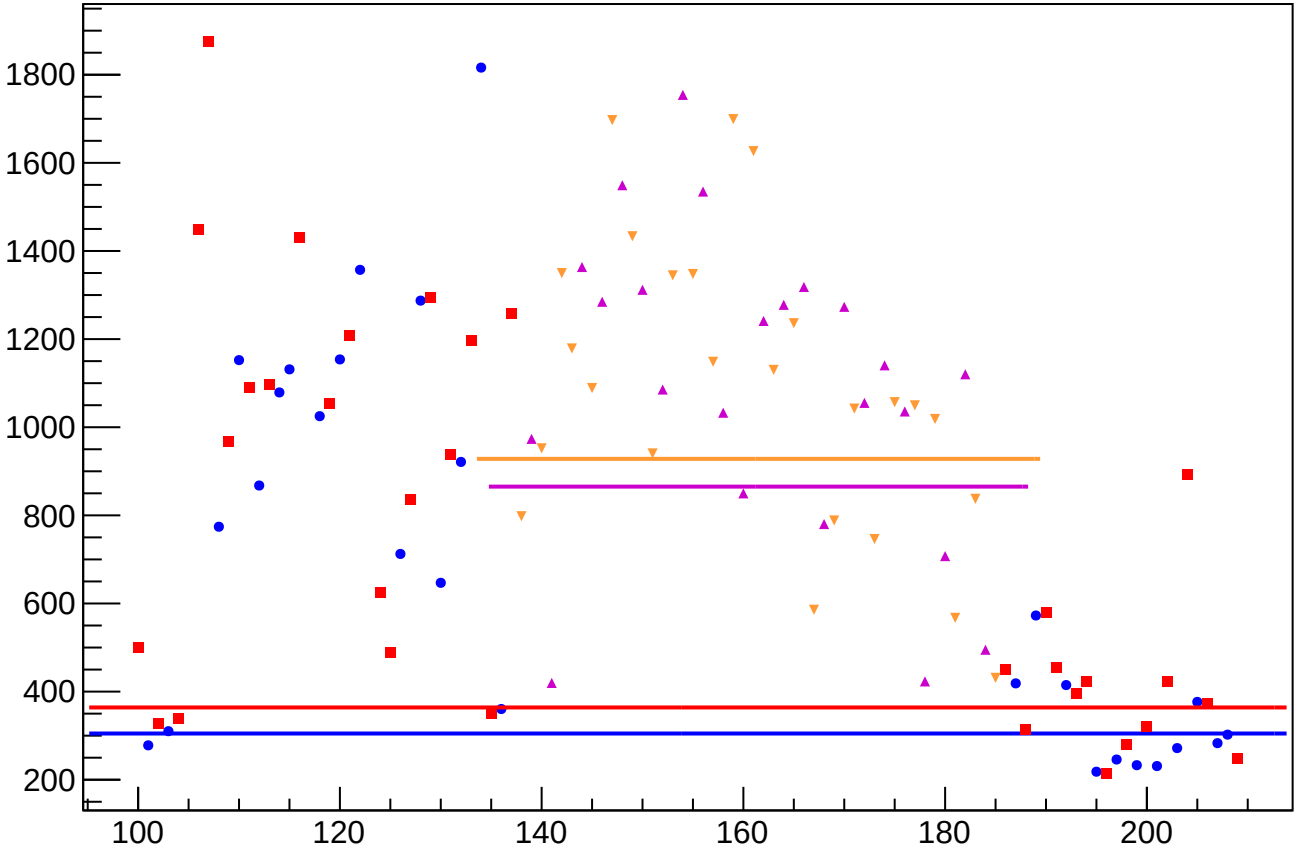
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 254.701+/-91.224 χ^2/NDF: 4144.3/51

All: -158.979+/-67.961 χ^2/NDF: 7684.4/106

- sign -674.934+/-101.878 χ^2/NDF: 3493.9/54

asym_bpm0l03WS_rms vs Slug



Right In: 304.887+/-0.070 χ^2/NDF: 5152390.9/26

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 364.013+/-0.080 χ^2/NDF: 5978258.5/31

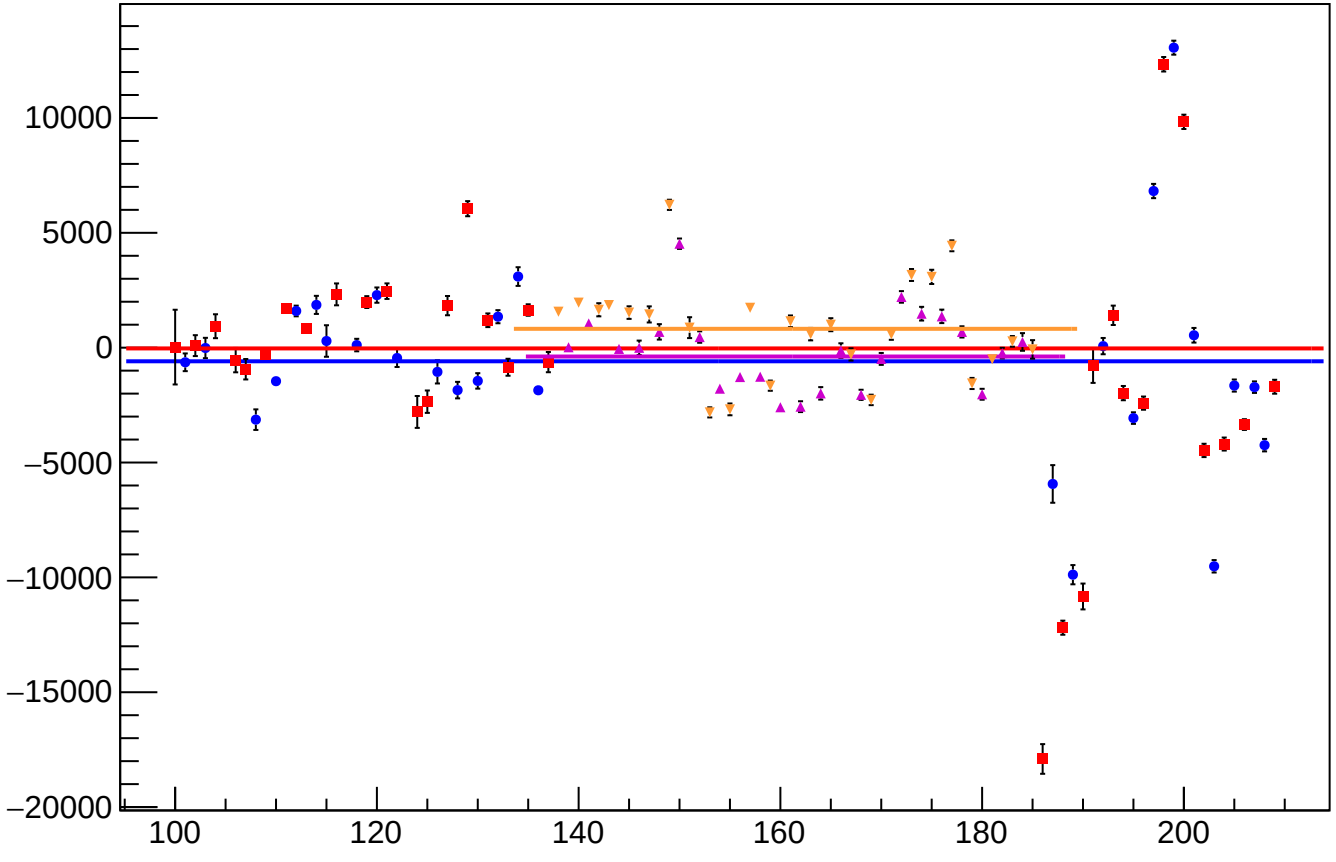
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 396.350+/-0.065 χ^2/NDF: 20138987.8/51

All: 422.888+/-0.048 χ^2/NDF: 38542991.2/10

- sign 455.986+/-0.072 χ^2/NDF: 18023656.9/54

asym_bpm0l04WS_mean vs Slug



Right In: -592.898+/-60.170 χ^2/NDF: 4973.4/26

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -32.907+/-57.047 χ^2/NDF: 6766.2/31

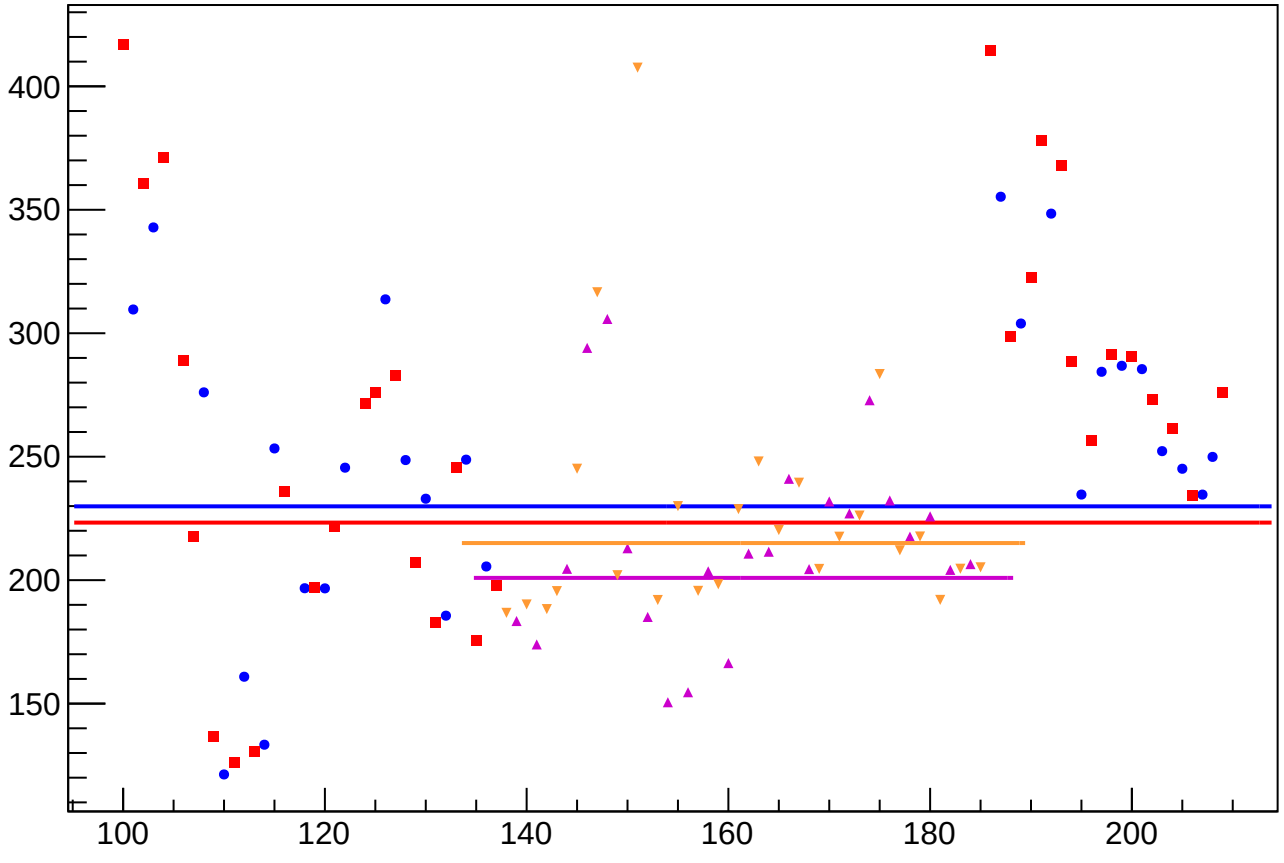
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 243.420+/-38.454 χ^2/NDF: 7290.8/51

All: -6.722+/-26.636 χ^2/NDF: 15413.8/106

- sign -237.441+/-36.931 χ^2/NDF: 8041.7/54

asym_bpm0l04WS_rms vs Slug



Right In: 229.894+/-0.043 χ^2/NDF: 1857757.2/26

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 223.308+/-0.040 χ^2/NDF: 3140912.3/31

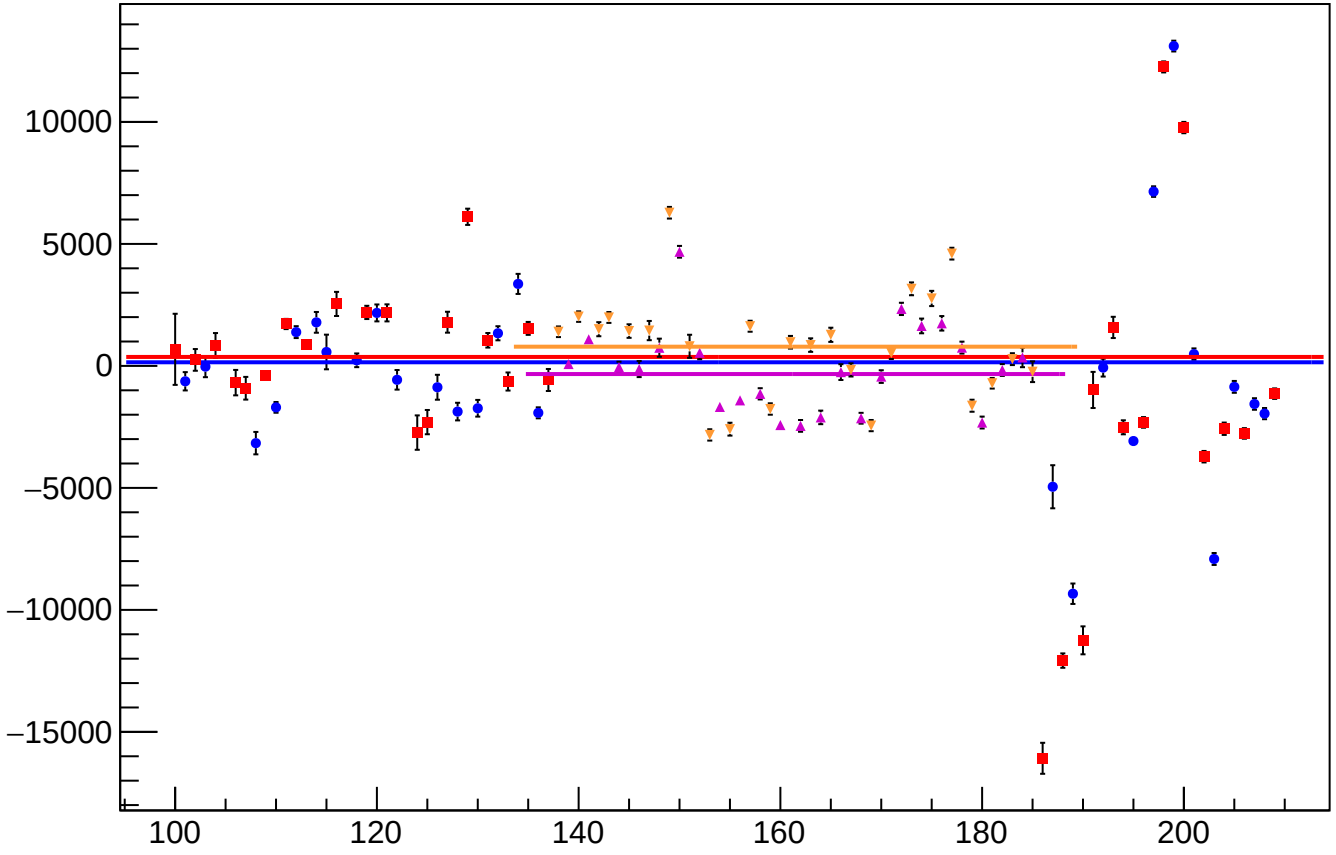
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 221.099+/-0.027 χ^2/NDF: 2827776.8/51

All: 215.482+/-0.019 χ^2/NDF: 7335549.7/106

- sign 210.301+/-0.026 χ^2/NDF: 4425737.2/54

asym_bpm0l05WS_mean vs Slug



Right In: 148.626+/-56.324 χ^2/NDF: 6932.0/26

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 367.808+/-53.821 χ^2/NDF: 8786.5/31

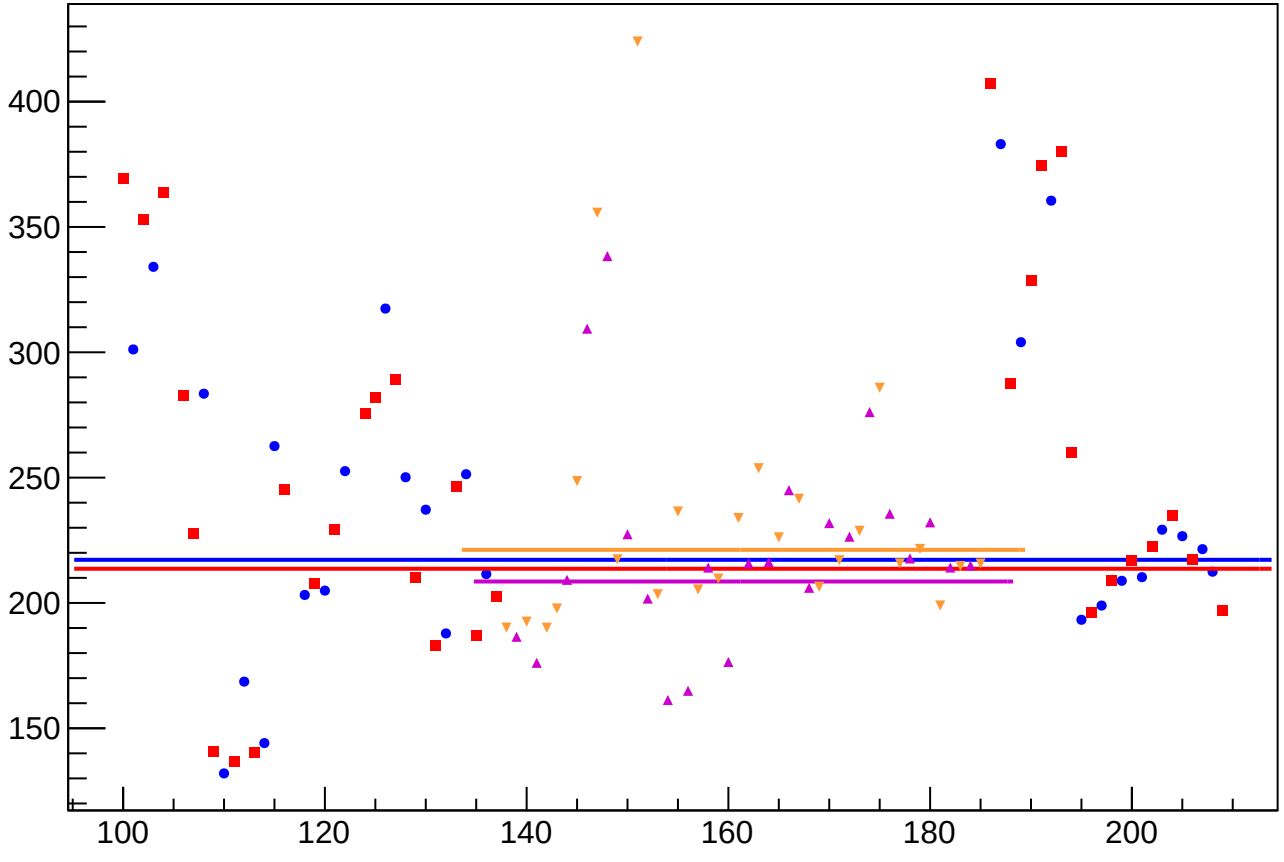
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 497.387+/-37.977 χ^2/NDF: 8892.5/51

All: 236.544+/-26.394 χ^2/NDF: 19076.3/106

- sign -7.161+/-36.708 χ^2/NDF: 10092.5/54

asym_bpm0l05WS_rms vs Slug



Right In: 217.209+/-0.040 χ^2/NDF: 1412015.8/26

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 213.646+/-0.038 χ^2/NDF: 2278272.1/31

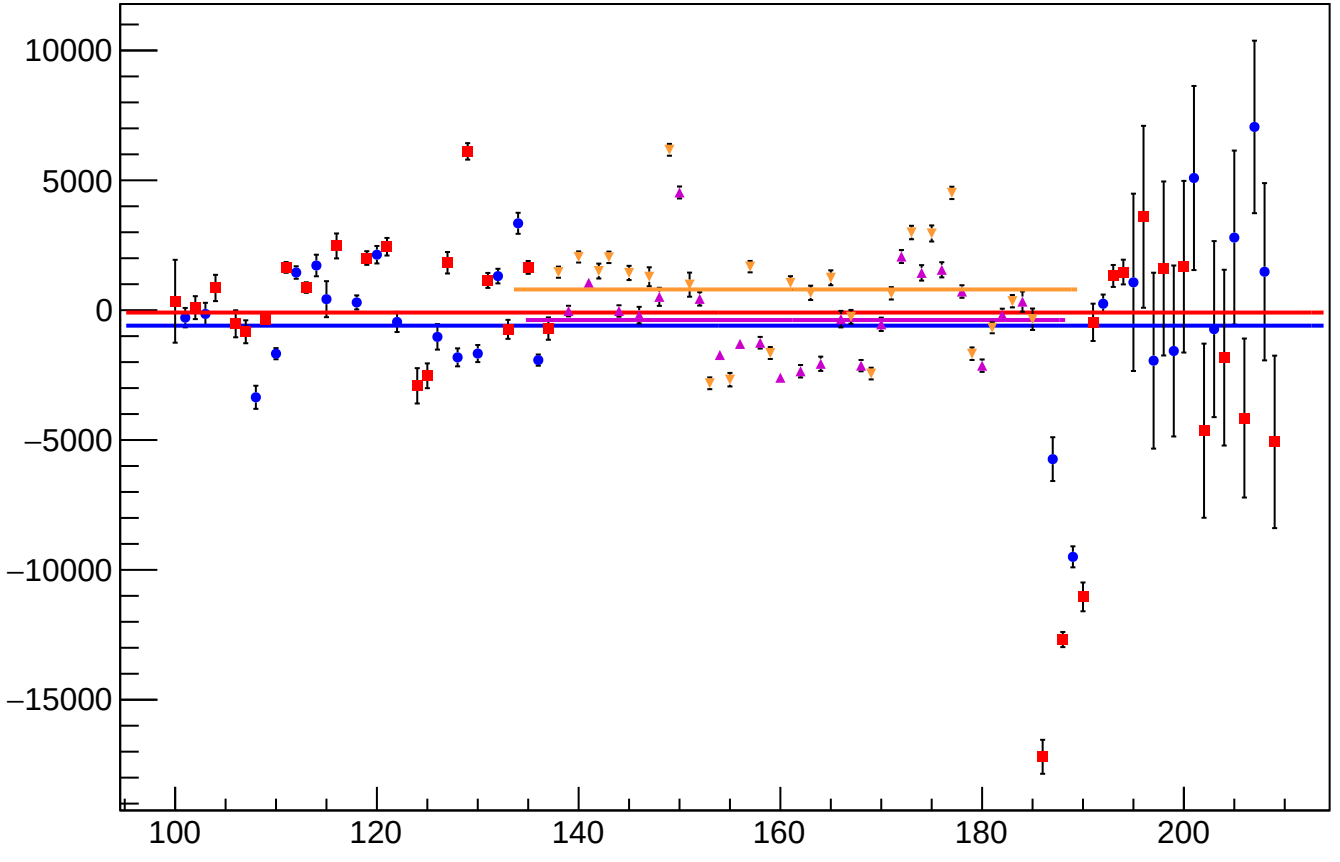
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.378+/-0.027 χ^2/NDF: 2356970.6/51

All: 215.007+/-0.019 χ^2/NDF: 5731685.9/106

- sign 210.924+/-0.026 χ^2/NDF: 3323475.0/54

asym_bpm0l06WS_mean vs Slug



Right In: -596.533+/-76.338 χ^2/NDF: 986.3/26

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -91.641+/-68.084 χ^2/NDF: 3737.9/31

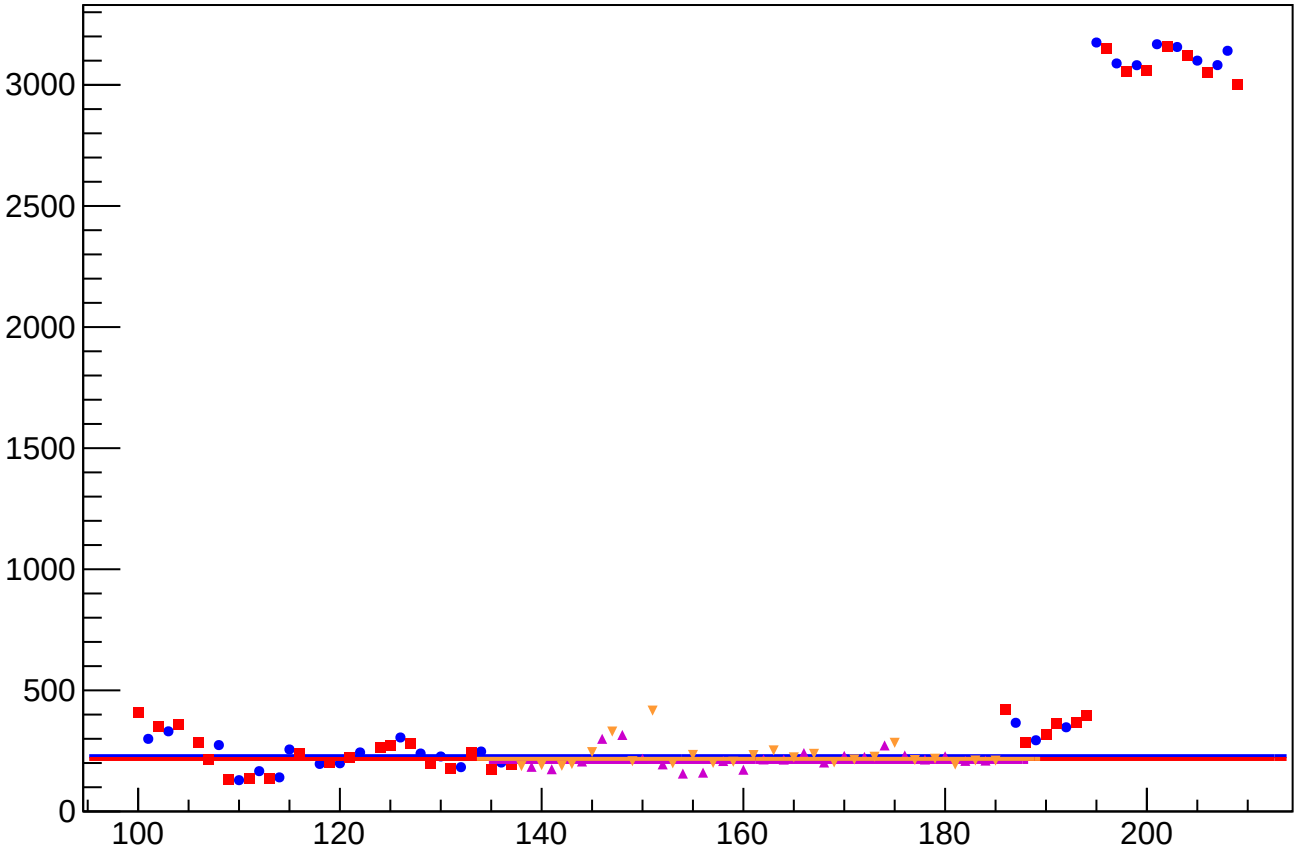
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 373.189+/-42.115 χ^2/NDF: 3179.1/51

All: 28.264+/-28.953 χ^2/NDF: 8257.1/106

- sign -280.843+/-39.869 χ^2/NDF: 4950.9/54

asym_bpm0l06WS_rms vs Slug



Right In: 228.307+/-0.054 χ^2/NDF: 13065257.8/26

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 216.679+/-0.048 χ^2/NDF: 13095987.0/31

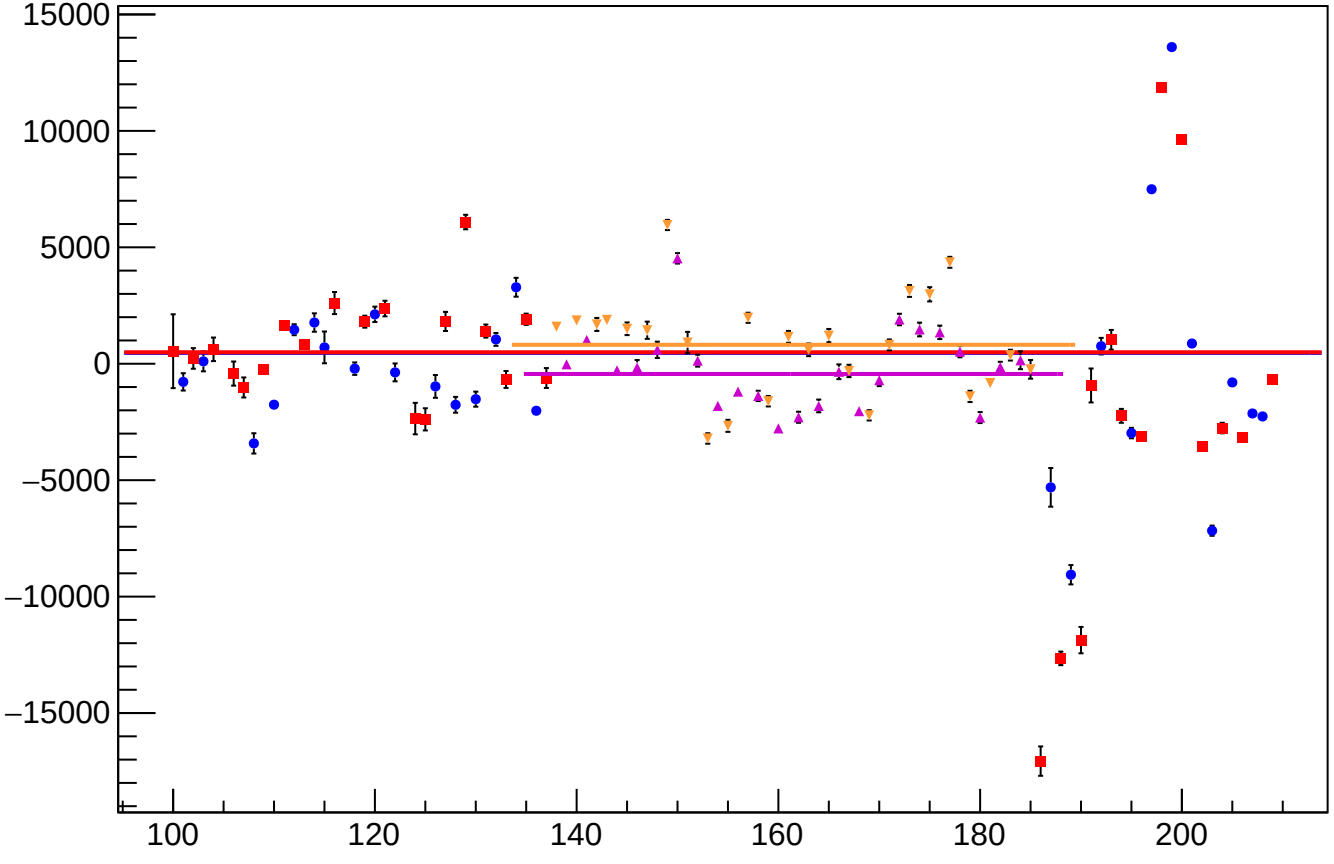
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 220.598+/-0.030 χ^2/NDF: 14005025.4/51

All: 214.244+/-0.020 χ^2/NDF: 28245760.8/10

- sign 208.550+/-0.028 χ^2/NDF: 14154424.5/54

asym_bpm0l07WS_mean vs Slug



Right In: 467.142+/-52.401 χ^2/NDF: 9116.9/26

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 491.944+/-49.945 χ^2/NDF: 10675.0/31

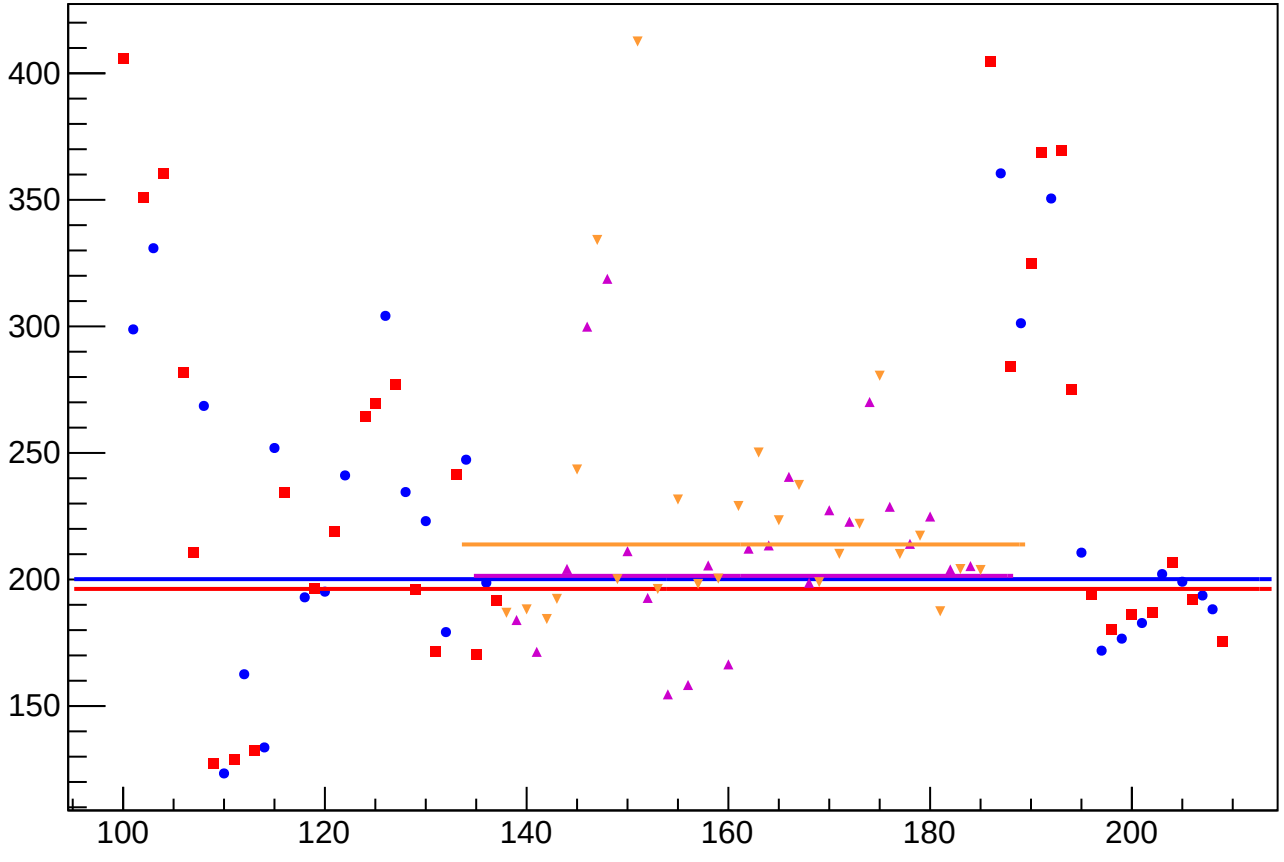
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 649.675+/-36.083 χ^2/NDF: 11140.4/51

All: 319.784+/-25.051 χ^2/NDF: 23390.6/106

- sign 12.803+/-34.807 χ^2/NDF: 12088.9/54

asym_bpm0l07WS_rms vs Slug



Right In: 200.140+/-0.037 χ^2/NDF: 1610619.4/26

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 196.273+/-0.035 χ^2/NDF: 2663135.1/31

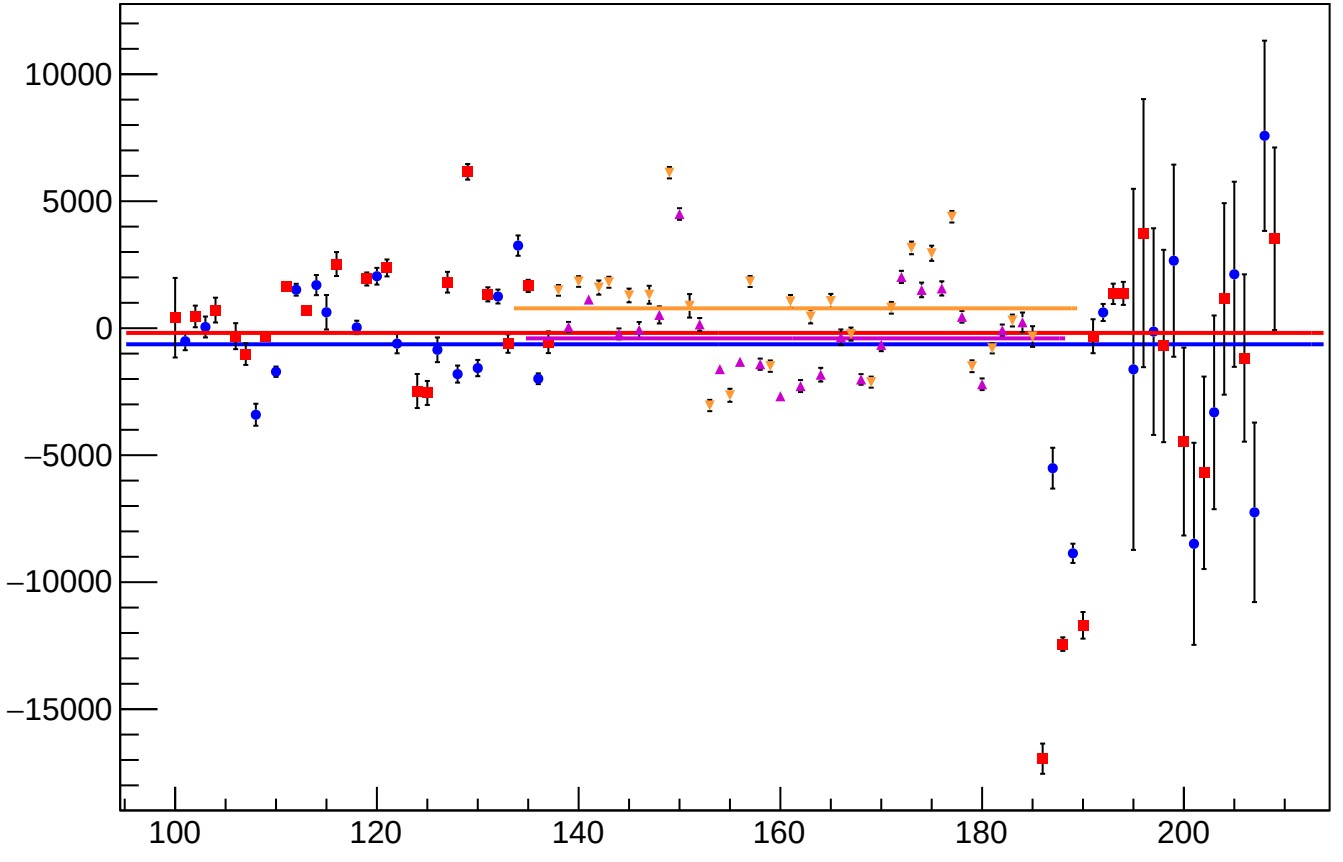
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 207.348+/-0.026 χ^2/NDF: 2646168.7/51

All: 202.989+/-0.018 χ^2/NDF: 6438657.7/106

- sign 198.933+/-0.025 χ^2/NDF: 3736141.3/54

asym_bpm0l08WS_mean vs Slug



Right In: -633.171+/-73.962 χ^2/NDF: 1006.5/26

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -185.390+/-65.413 χ^2/NDF: 4277.2/31

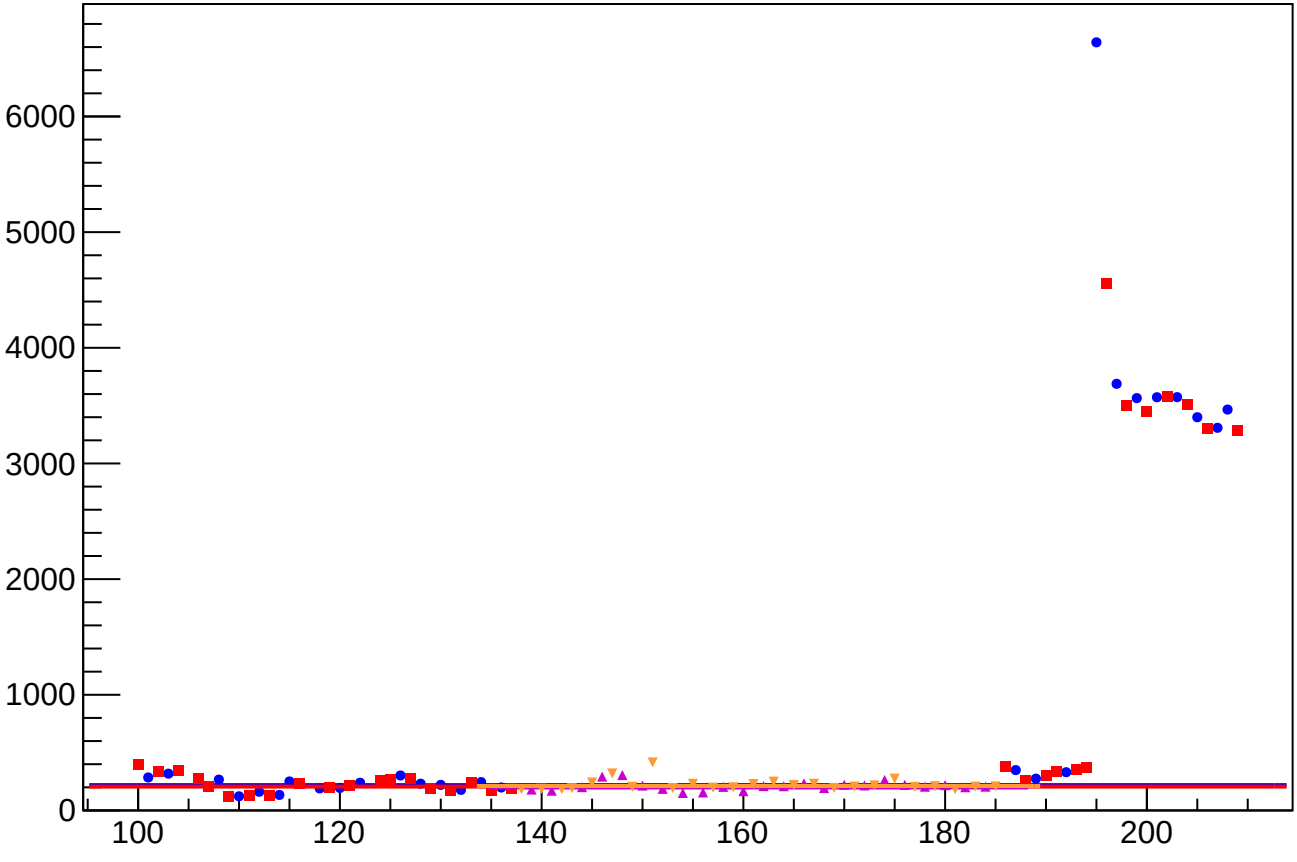
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.168+/-40.964 χ^2/NDF: 3261.7/51

All: -8.434+/-28.094 χ^2/NDF: 8921.0/106

- sign -325.123+/-38.604 χ^2/NDF: 5516.3/54

asym_bpm0l08WS_rms vs Slug



Right In: 218.975+/-0.052 χ^2/NDF: 13537238.1/26

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 206.443+/-0.046 χ^2/NDF: 13373081.4/31

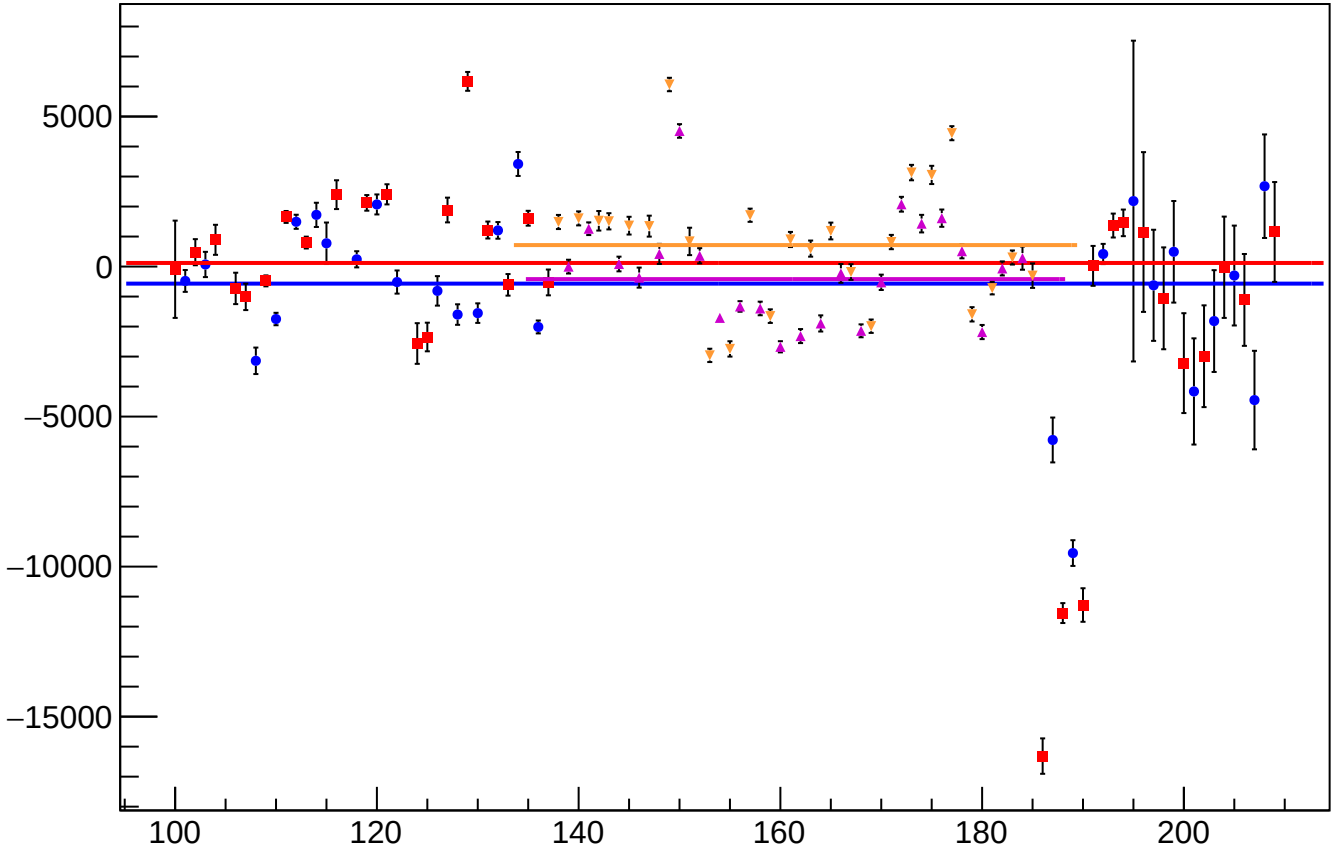
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 213.790+/-0.029 χ^2/NDF: 14486393.4/51

All: 207.165+/-0.020 χ^2/NDF: 28983786.0/10

- sign 201.282+/-0.027 χ^2/NDF: 14398642.4/54

asym_bpm0l09WS_mean vs Slug



Right In: -568.737+/-74.785 χ^2/NDF: 967.5/26

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 119.791+/-66.961 χ^2/NDF: 3167.6/31

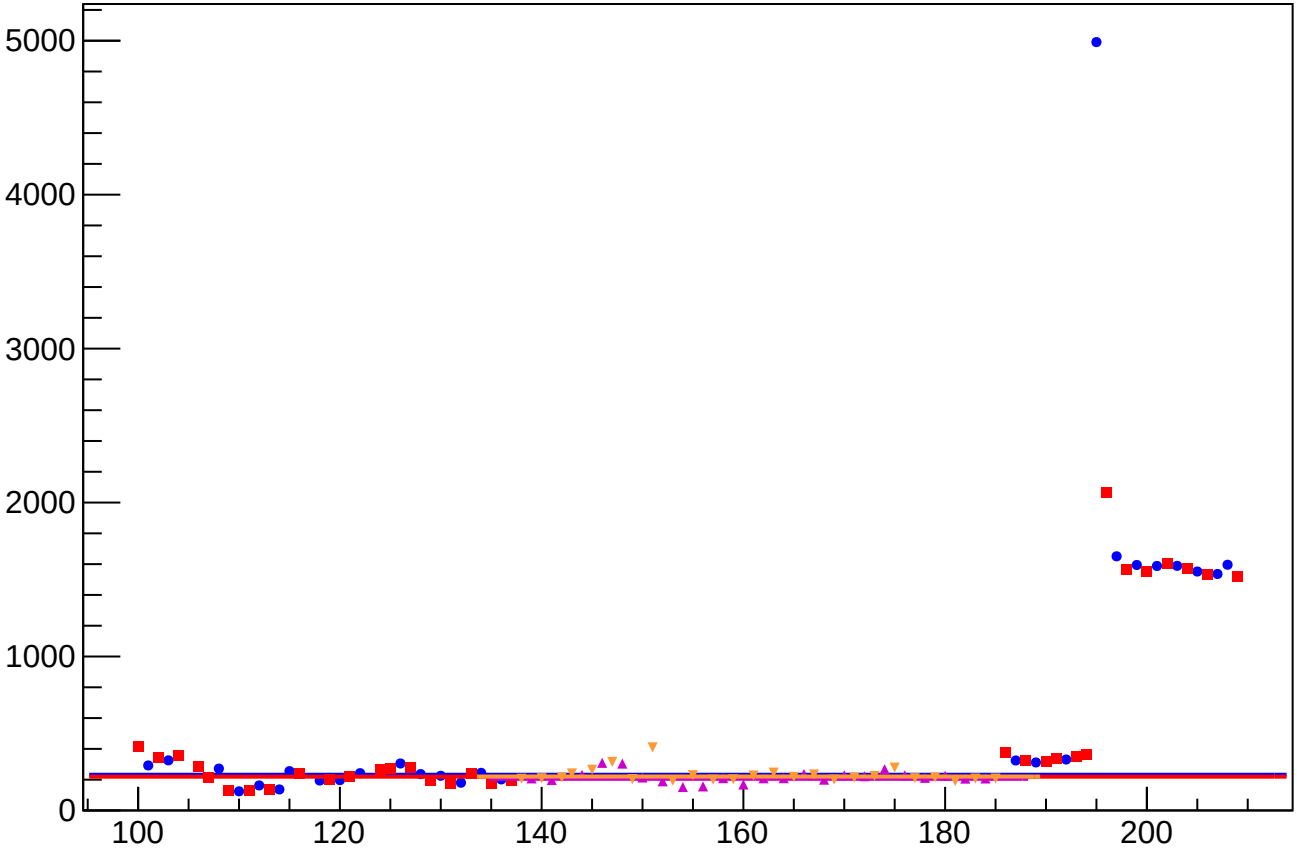
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 306.737+/-42.197 χ^2/NDF: 3086.5/51

All: 23.748+/-28.960 χ^2/NDF: 7621.9/106

- sign -228.220+/-39.817 χ^2/NDF: 4450.3/54

asym_bpm0l09WS_rms vs Slug



Right In: 231.984+/-0.053 χ^2/NDF: 11770907.9/26

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 219.345+/-0.047 χ^2/NDF: 11583125.9/31

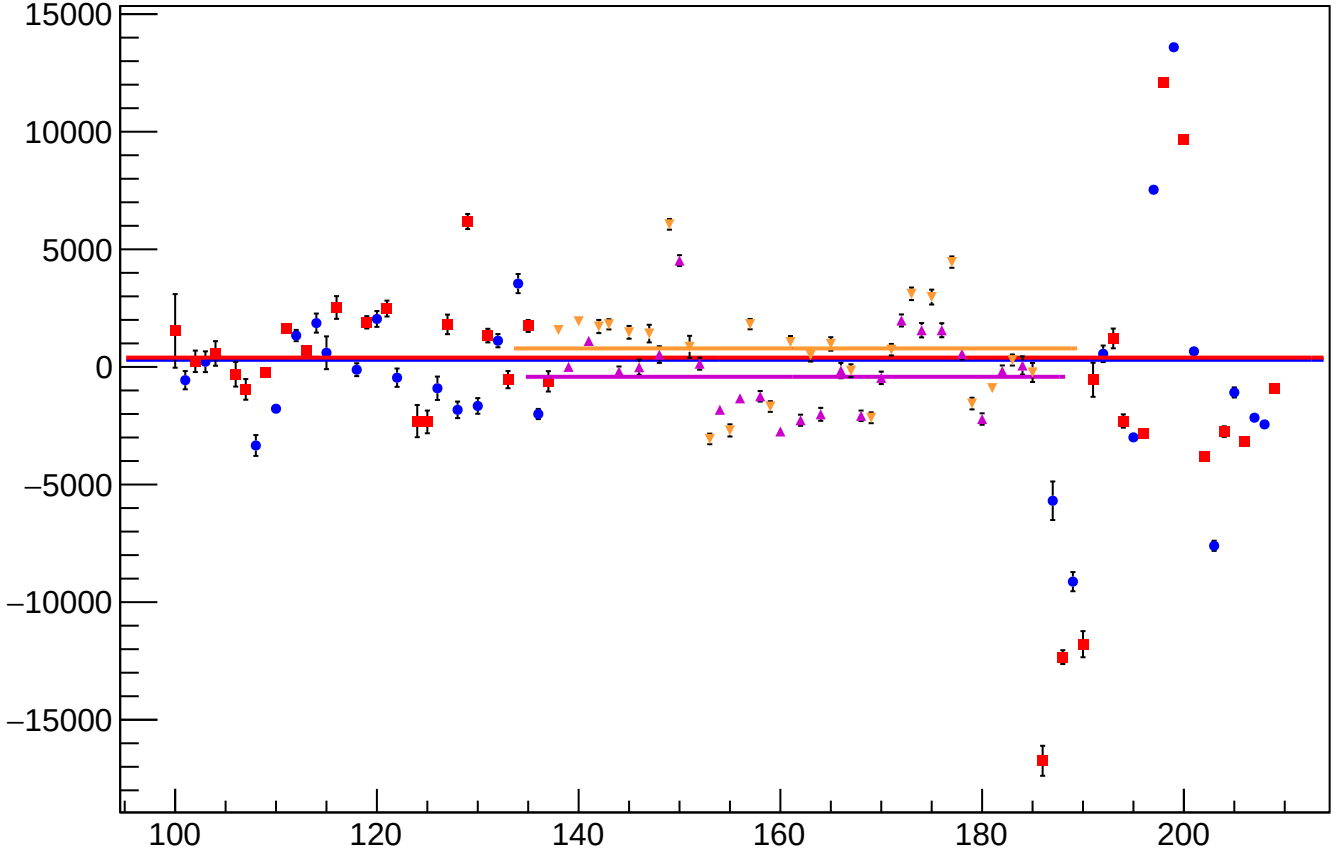
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 223.914+/-0.030 χ^2/NDF: 12604770.1/51

All: 216.756+/-0.020 χ^2/NDF: 25366062.0/10

- sign 210.383+/-0.028 χ^2/NDF: 12652511.7/54

asym_bpm0l10WS_mean vs Slug



Right In: 303.435+/-52.937 χ^2/NDF: 9111.3/26

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 396.563+/-50.755 χ^2/NDF: 10327.5/31

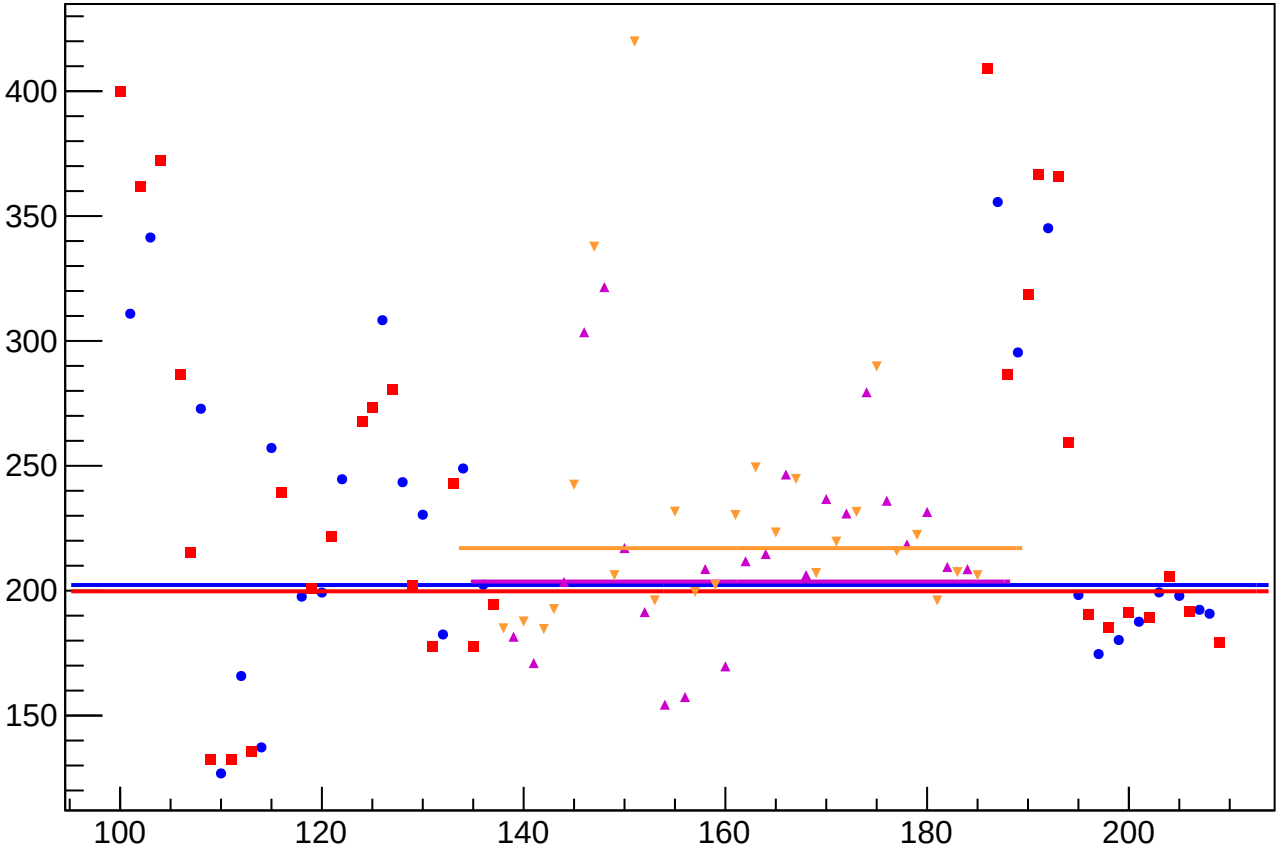
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 556.450+/-36.549 χ^2/NDF: 11092.5/51

All: 256.098+/-25.394 χ^2/NDF: 22894.8/106

- sign -24.211+/-35.309 χ^2/NDF: 11671.7/54

asym_bpm0l10WS_rms vs Slug



Right In: 202.266+/-0.037 χ^2/NDF: 1560153.1/26

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 199.754+/-0.036 χ^2/NDF: 2503948.2/31

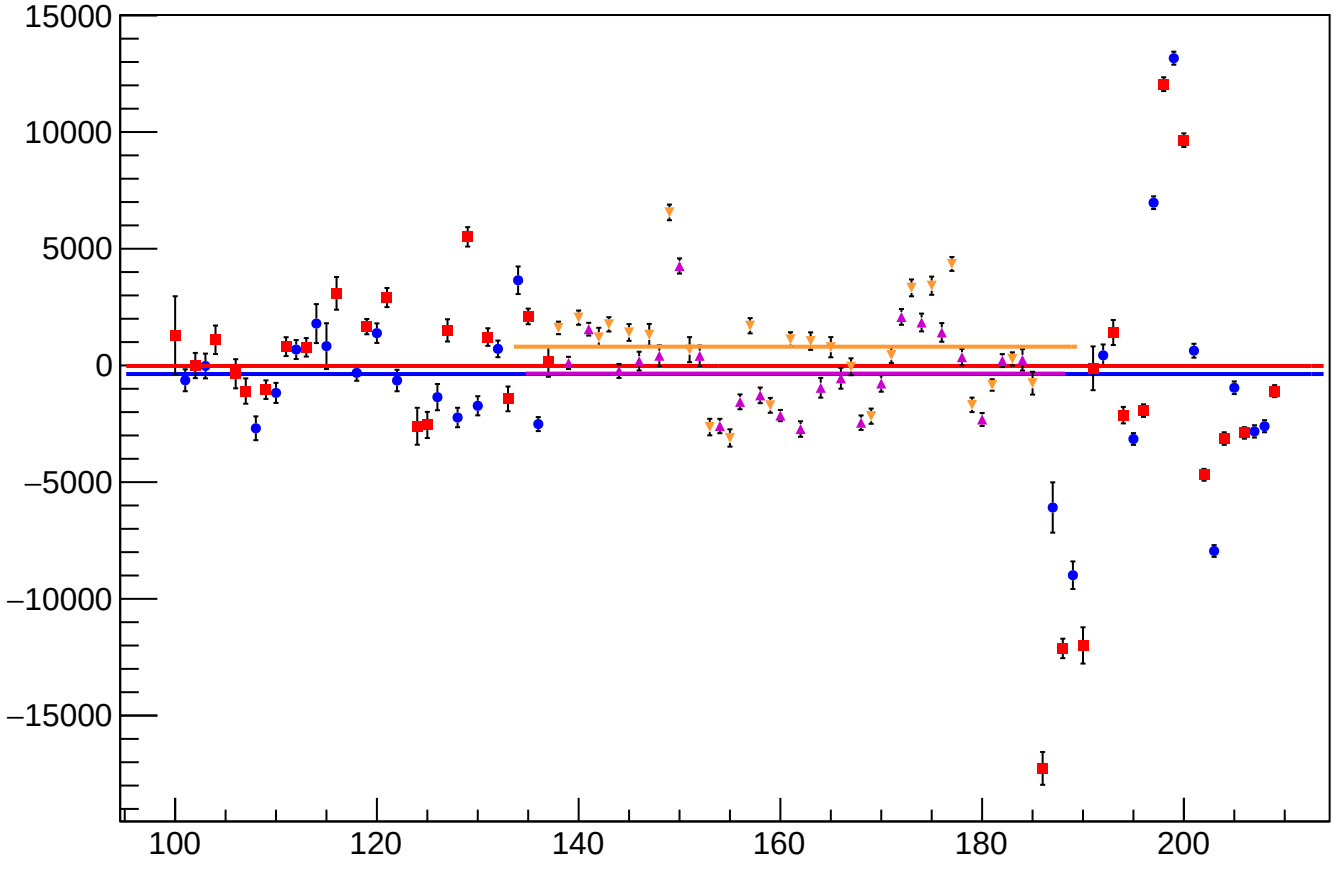
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 209.997+/-0.026 χ^2/NDF: 2624843.9/51

All: 205.741+/-0.018 χ^2/NDF: 6352668.3/106

- sign 201.769+/-0.025 χ^2/NDF: 3675396.9/54

asym_bpm0r03WS_mean vs Slug



Right In: -368.431+/-70.392 χ^2/NDF: 4717.7/26

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -23.130+/-69.819 χ^2/NDF: 5544.2/31

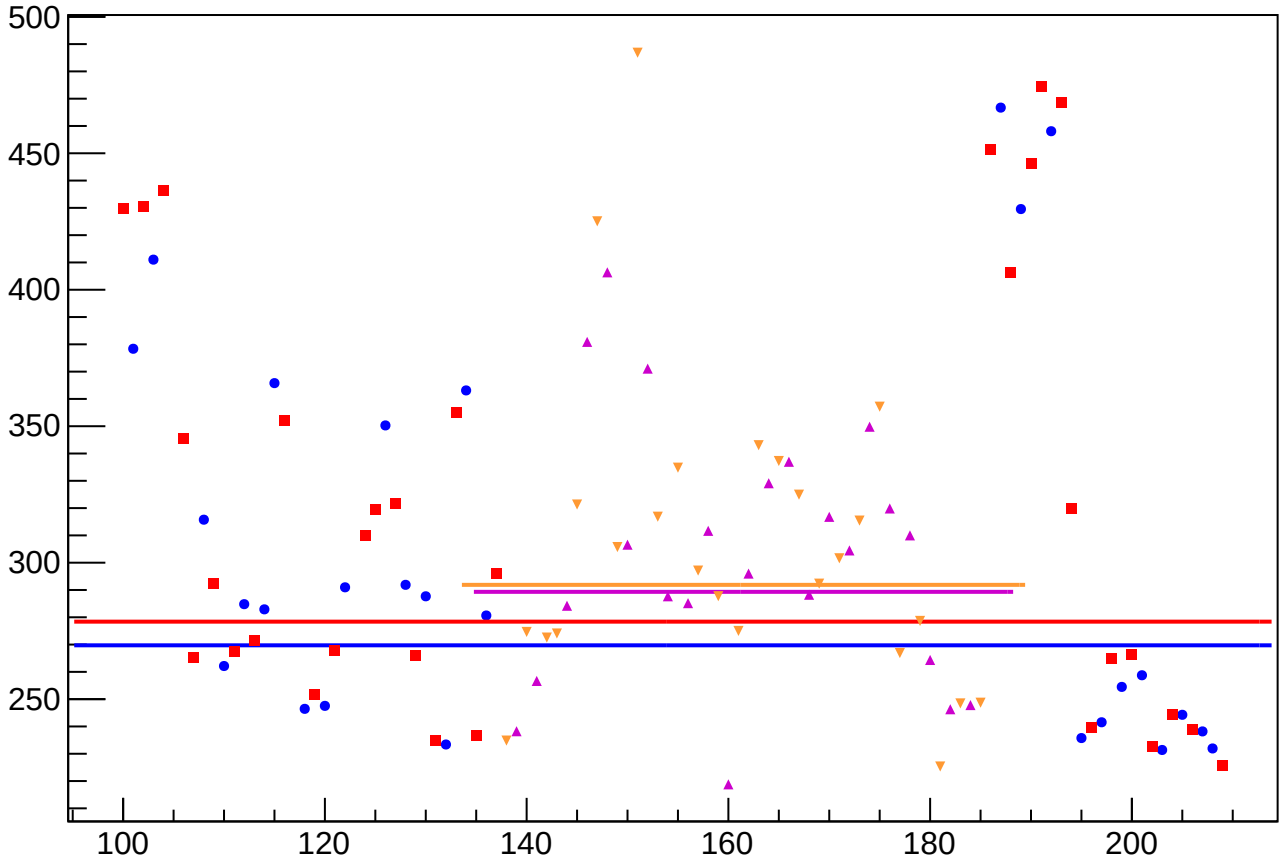
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 240.561+/-48.792 χ^2/NDF: 5919.5/51

All: 27.217+/-34.600 χ^2/NDF: 12169.4/106

- sign -188.577+/-49.072 χ^2/NDF: 6211.4/54

asym_bpm0r03WS_rms vs Slug



Right In: 269.728+/-0.050 χ^2/NDF: 1172222.4/26

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 278.400+/-0.049 χ^2/NDF: 1557767.0/31

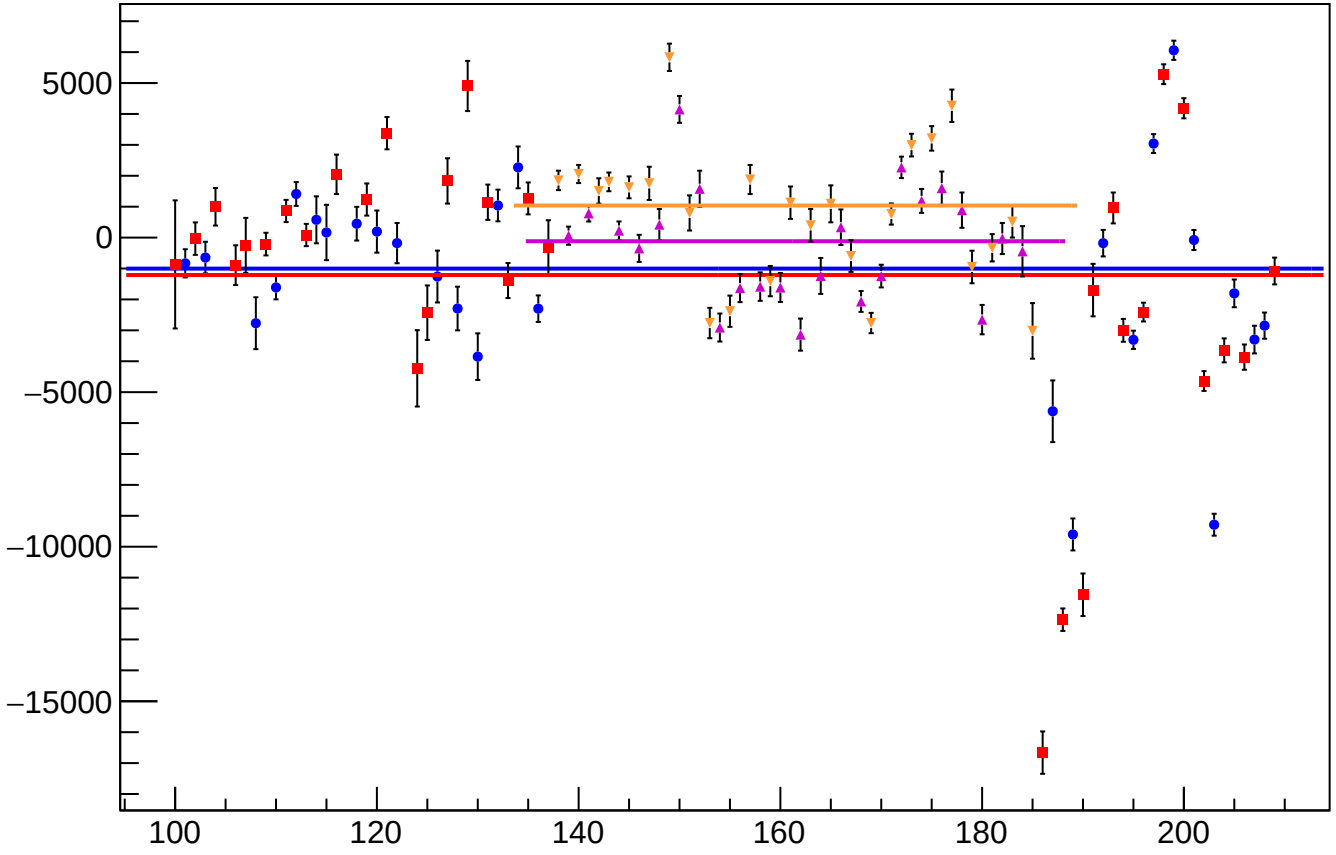
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 281.238+/-0.035 χ^2/NDF: 2235062.5/51

All: 282.575+/-0.024 χ^2/NDF: 4629211.2/106

- sign 283.926+/-0.035 χ^2/NDF: 2391130.9/54

asym_bpm0r05WS_mean vs Slug



Right In: -1003.243+/-88.852 χ^2/NDF: 1788.0/26

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1209.597+/-83.999 χ^2/NDF: 2936.7/31

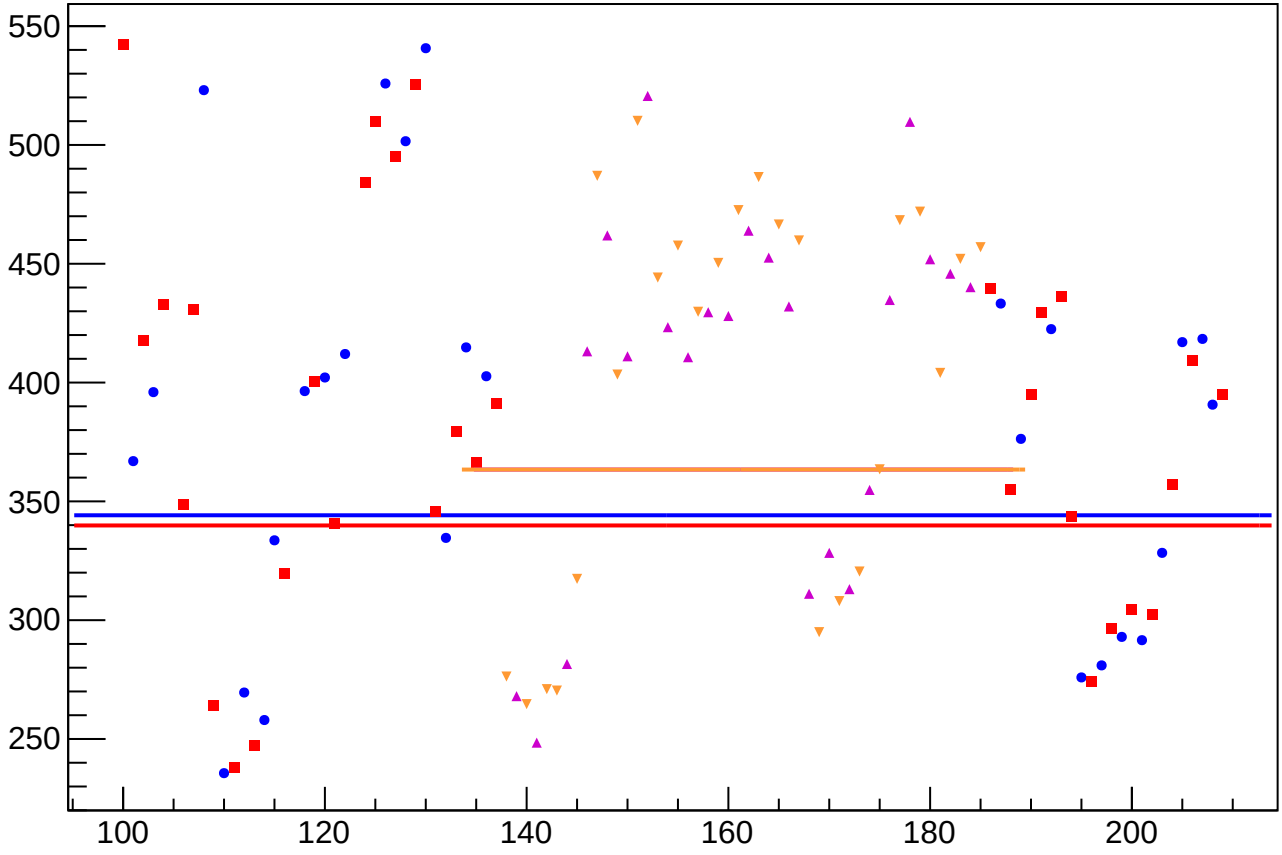
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

\+ sign 59.843+/-61.496 χ^2/NDF: 2633.0/51

All: -318.376+/-43.158 χ^2/NDF: 6095.7/106

\- sign -685.449+/-60.583 χ^2/NDF: 3388.2/54

asym_bpm0r05WS_rms vs Slug



Right In: 344.147+/-0.063 χ^2/NDF: 1344096.0/26

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 339.862+/-0.059 χ^2/NDF: 1286559.3/31

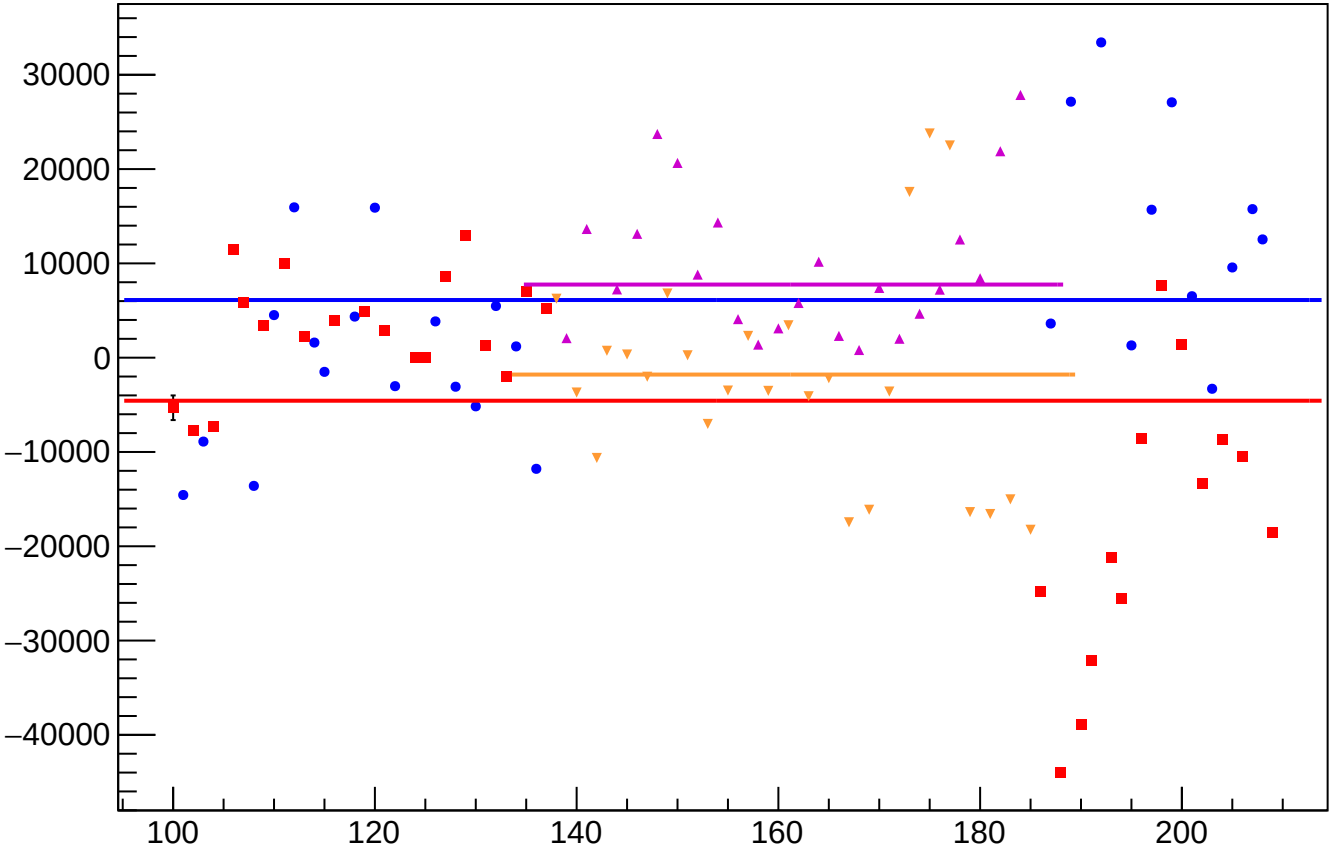
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 354.170+/-0.043 χ^2/NDF: 3333451.1/51

All: 352.637+/-0.031 χ^2/NDF: 6409324.2/106

- sign 351.149+/-0.043 χ^2/NDF: 3073423.6/54

asym_bpm0i02WS_mean vs Slug



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -4565.228+/-38.877 χ^2/NDF: 142258.0/31

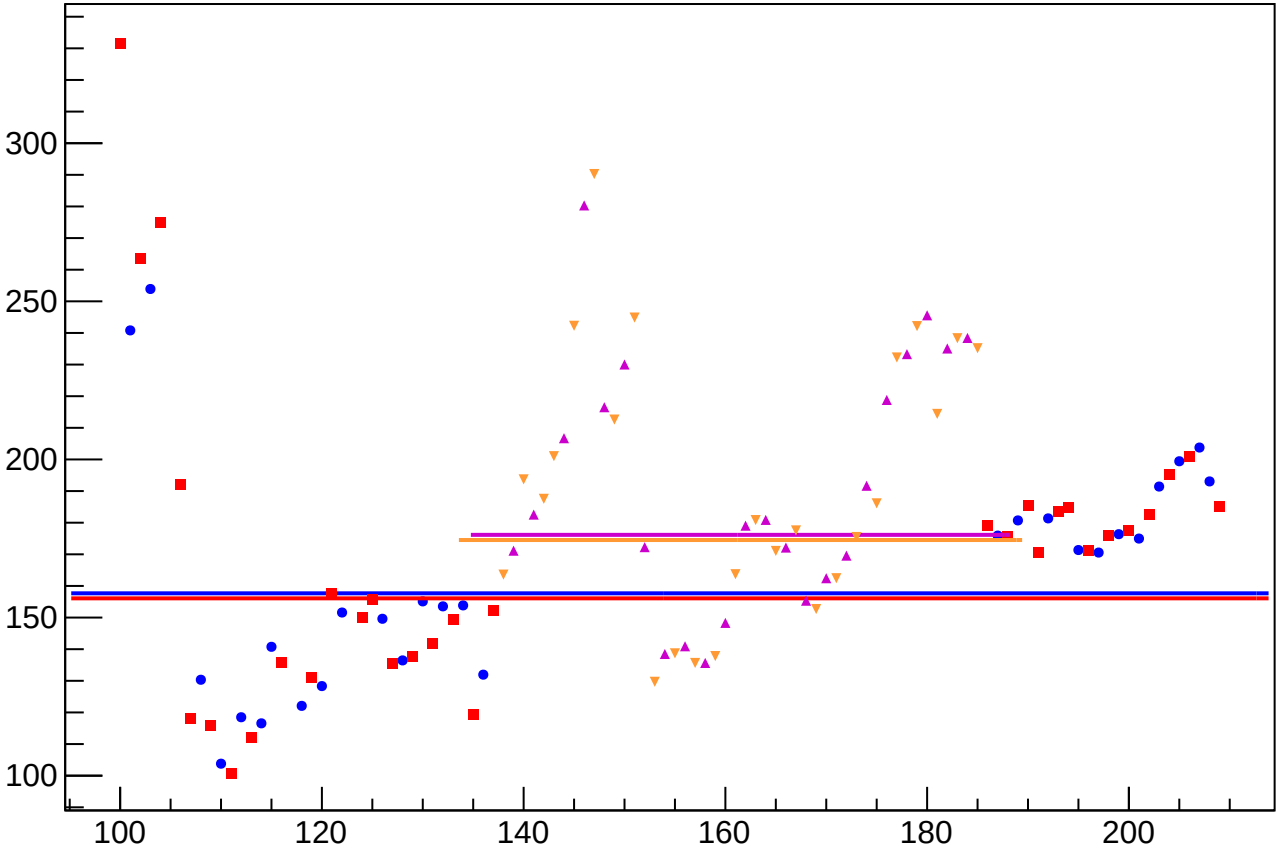
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2155.154+/-28.953 χ^2/NDF: 177931.2/51

All: 1591.315+/-20.386 χ^2/NDF: 389883.4/10

- sign 1037.008+/-28.708 χ^2/NDF: 211200.1/54

asym_bpm0i02WS_rms vs Slug



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

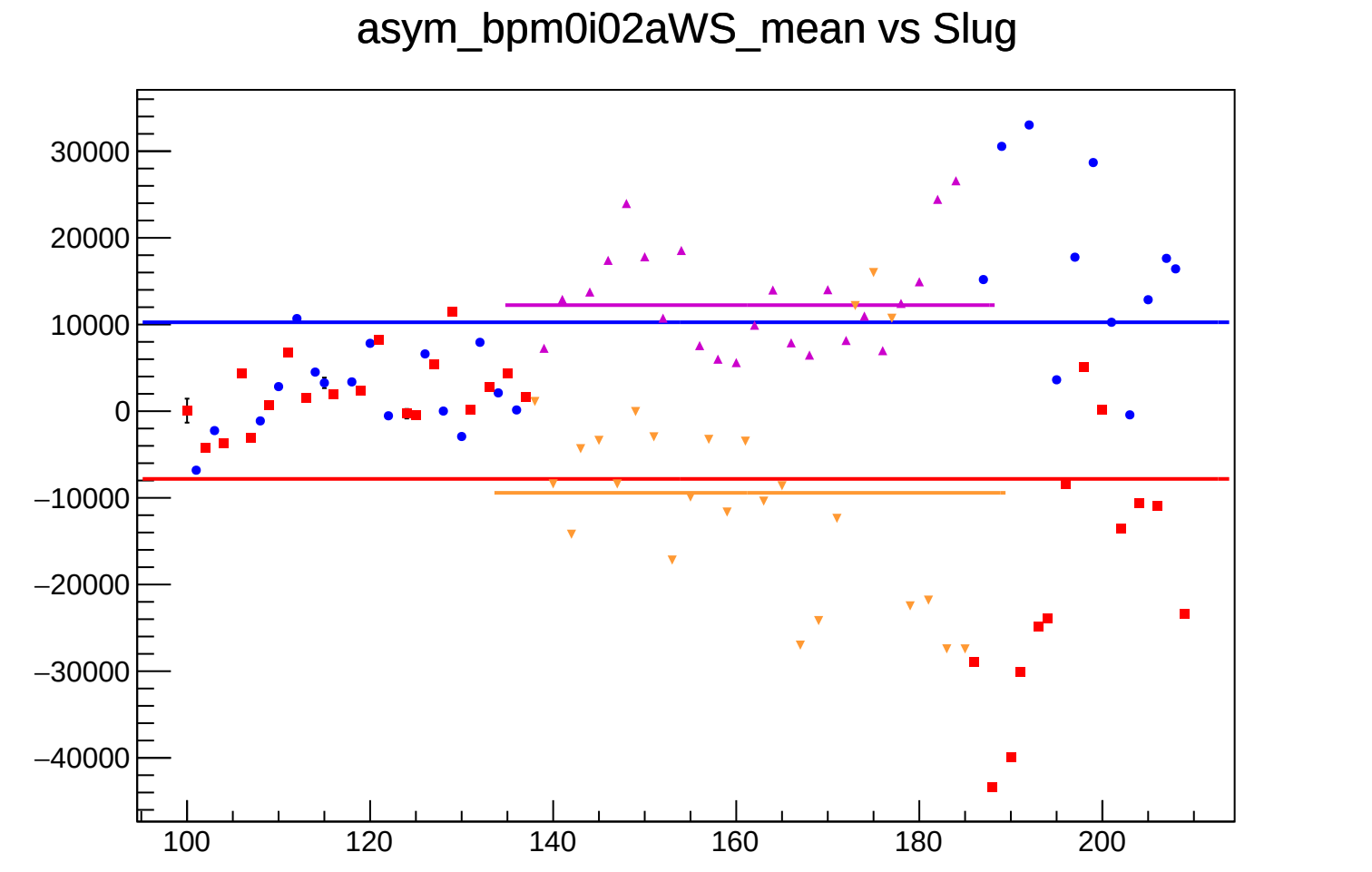
Right Out: 156.079+/-0.027 χ^2/NDF: 1653607.6/31

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

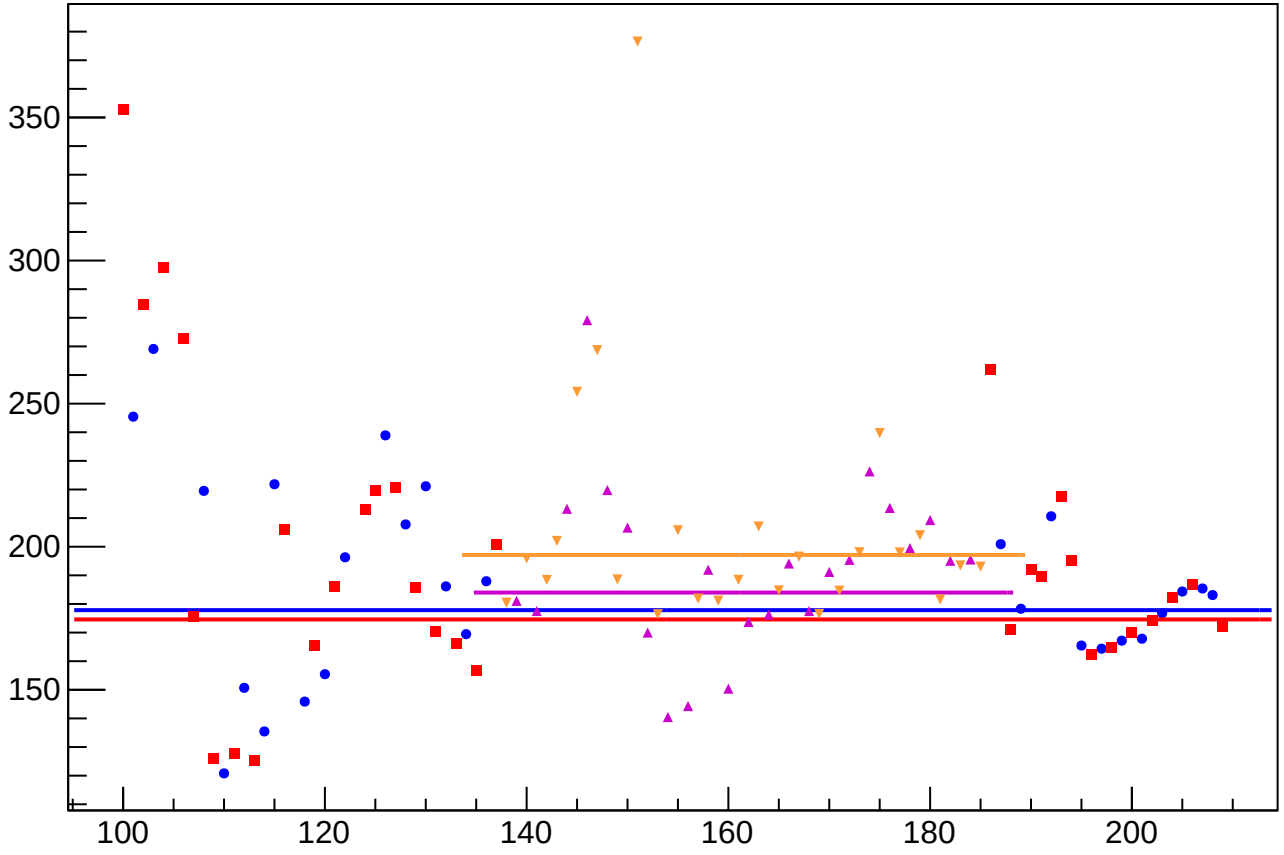
+ sign 166.109+/-0.020 χ^2/NDF: 3119857.9/51

All: 165.654+/-0.014 χ^2/NDF: 6384025.4/106

- sign 165.208+/-0.020 χ^2/NDF: 3263191.1/54


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 10259.986+/-45.655 χ²/NDF: 53859.4/26
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -7813.090+/-43.140 χ²/NDF: 113024.2/31
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 429.135+/-32.298 χ²/NDF: 211398.6/51
All: 1234.705+/-22.317 χ²/NDF: 447041.6/10
- sign 1970.652+/-30.871 χ²/NDF: 234452.7/54

asym_bpm0i02aWS_rms vs Slug



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.588+/-0.031 χ^2/NDF: 1206504.4/31

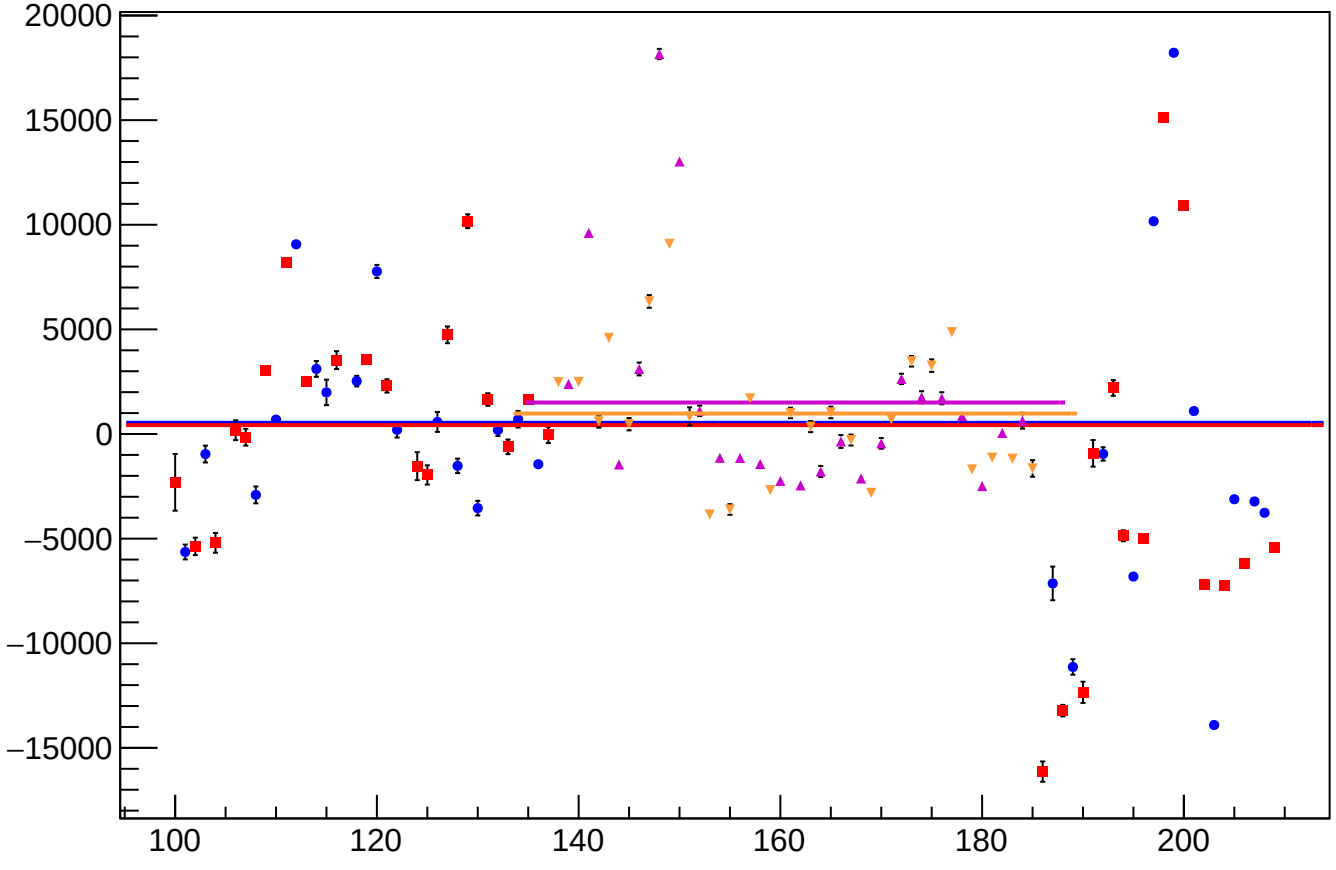
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.471+/-0.023 χ^2/NDF: 1678003.7/51

All: 183.135+/-0.016 χ^2/NDF: 3829567.7/106

- sign 179.173+/-0.022 χ^2/NDF: 2082585.3/54

asym_bpm0i05WS_mean vs Slug



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 425.642+/-48.657 χ^2/NDF: 21807.6/31

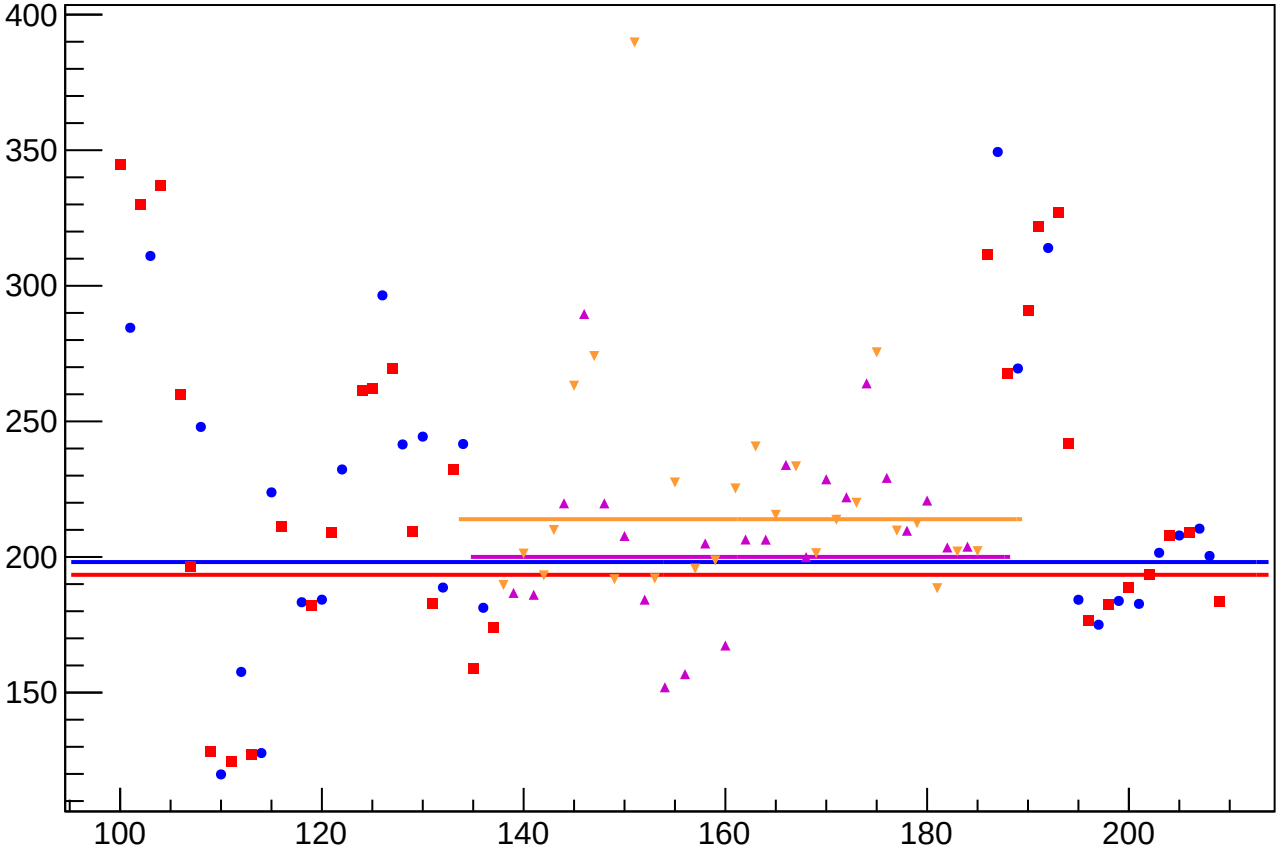
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 764.483+/-35.695 χ^2/NDF: 25818.1/51

All: 872.779+/-24.691 χ^2/NDF: 59373.0/106

- sign 972.130+/-34.189 χ^2/NDF: 33537.3/54

asym_bpm0i05WS_rms vs Slug



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.427+/-0.034 χ^2/NDF: 2259369.8/31

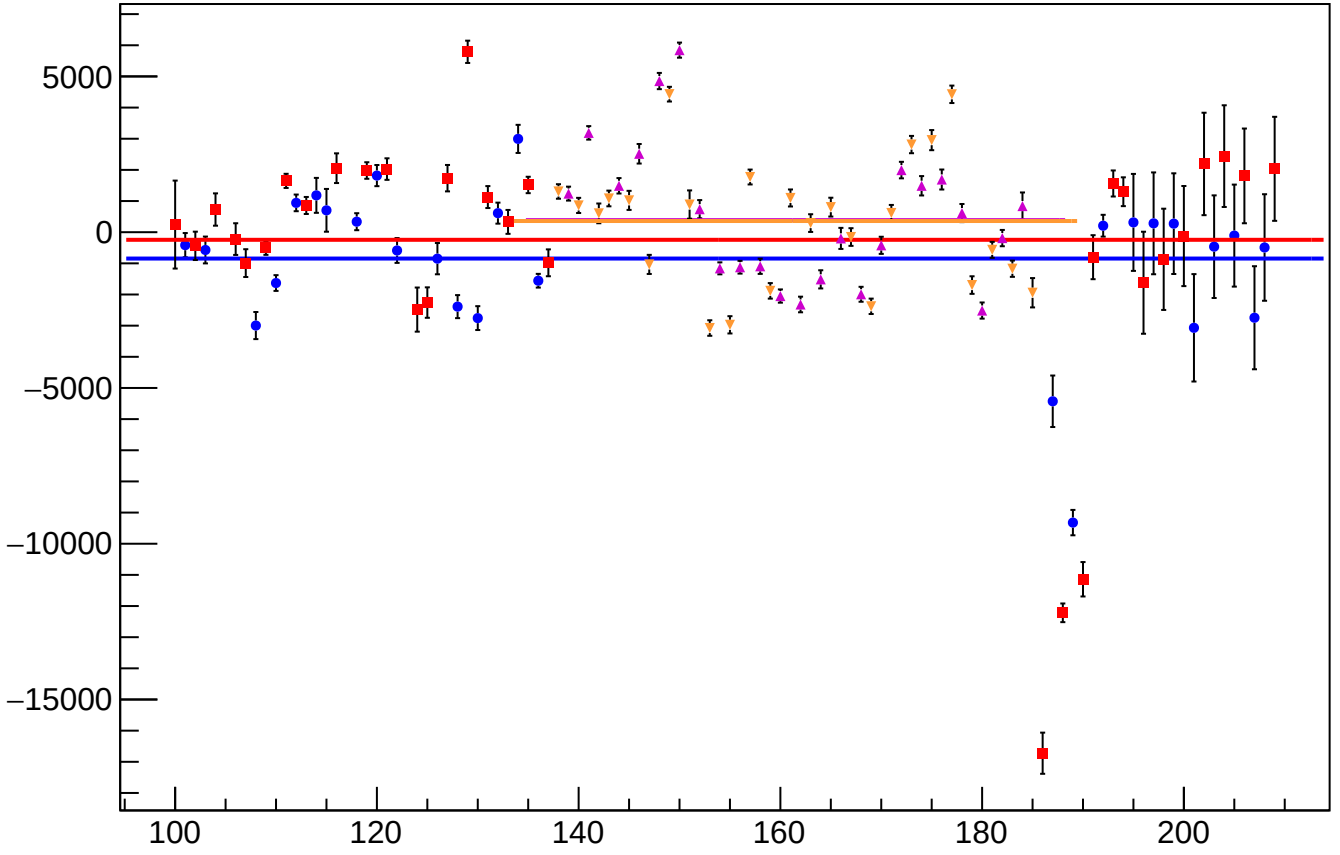
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.312+/-0.025 χ^2/NDF: 2283197.3/51

All: 201.336+/-0.017 χ^2/NDF: 5421276.6/106

- sign 196.770+/-0.024 χ^2/NDF: 3063544.4/54

asym_bpm0i07WS_mean vs Slug



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -244.428+/-73.639 χ^2/NDF: 3277.6/31

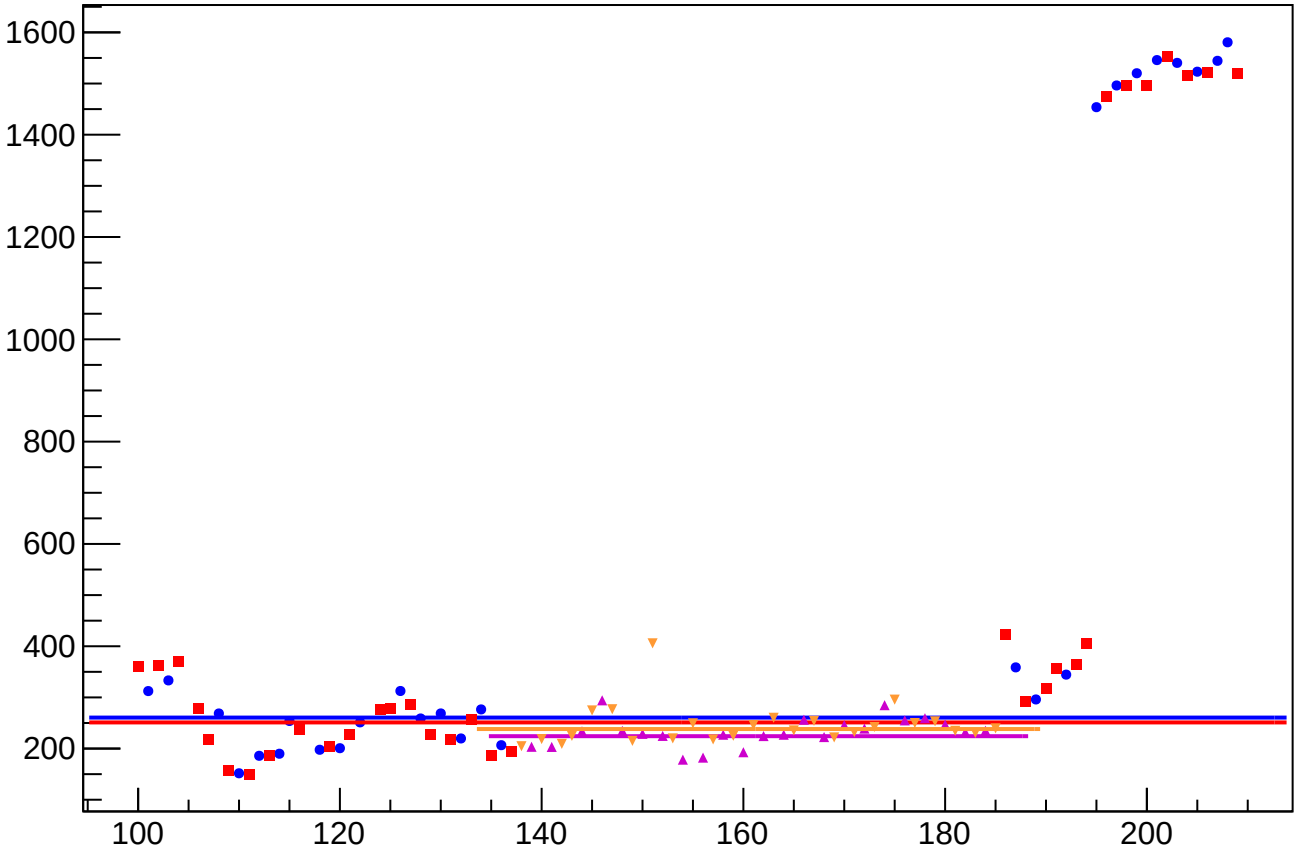
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

\+ sign -20.126+/-45.532 χ^2/NDF: 2370.8/51

All: 79.015+/-31.376 χ^2/NDF: 7509.7/106

\- sign 168.667+/-43.298 χ^2/NDF: 5129.8/54

asym_bpm0i07WS_rms vs Slug



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.106+/-0.052 χ^2/NDF: 10524294.3/31

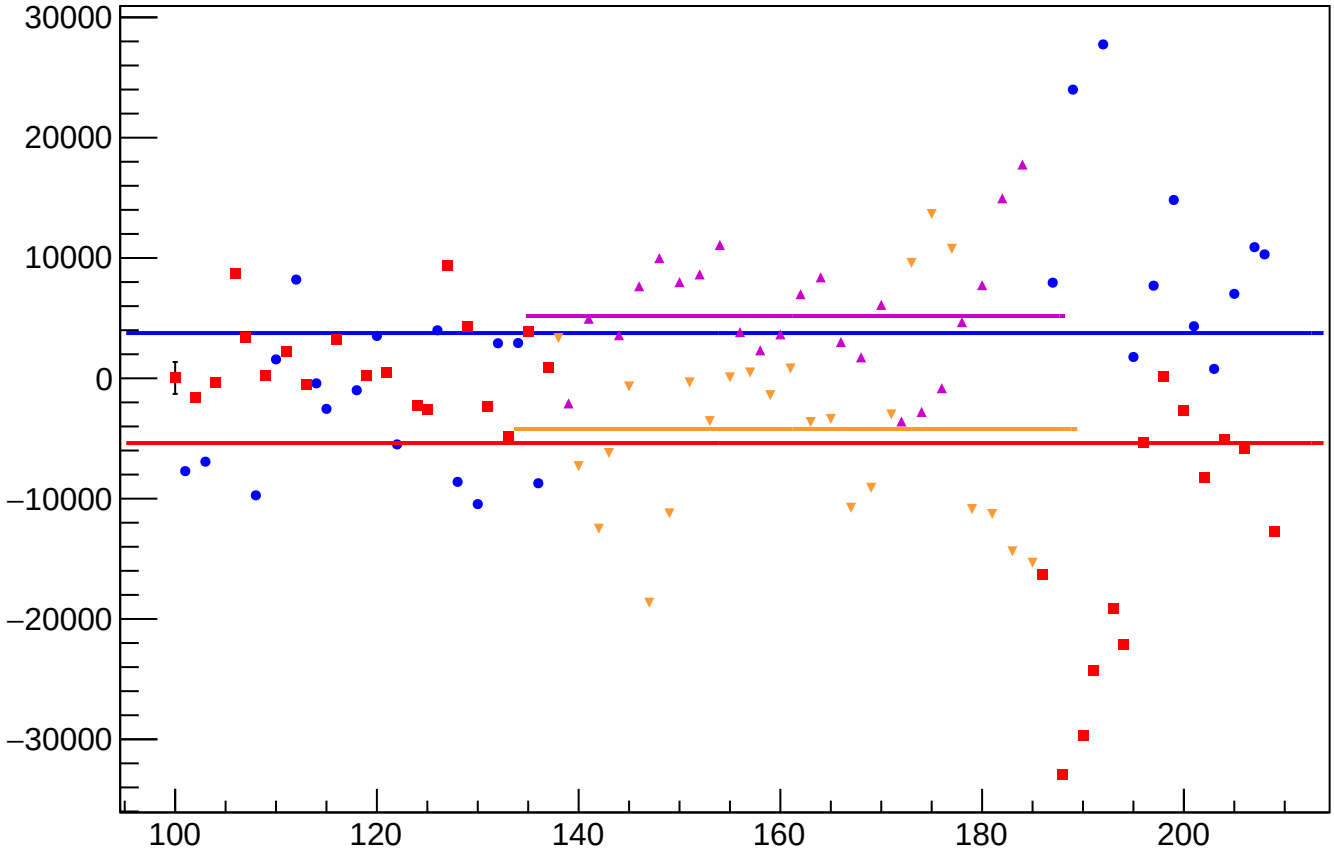
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 245.234+/-0.032 χ^2/NDF: 11266051.4/51

All: 239.077+/-0.022 χ^2/NDF: 22597756.8/10

- sign 233.510+/-0.031 χ^2/NDF: 11262067.8/54

asym_bpm1i02WS_mean vs Slug



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5377.094+/-32.812 χ^2/NDF: 104709.2/31

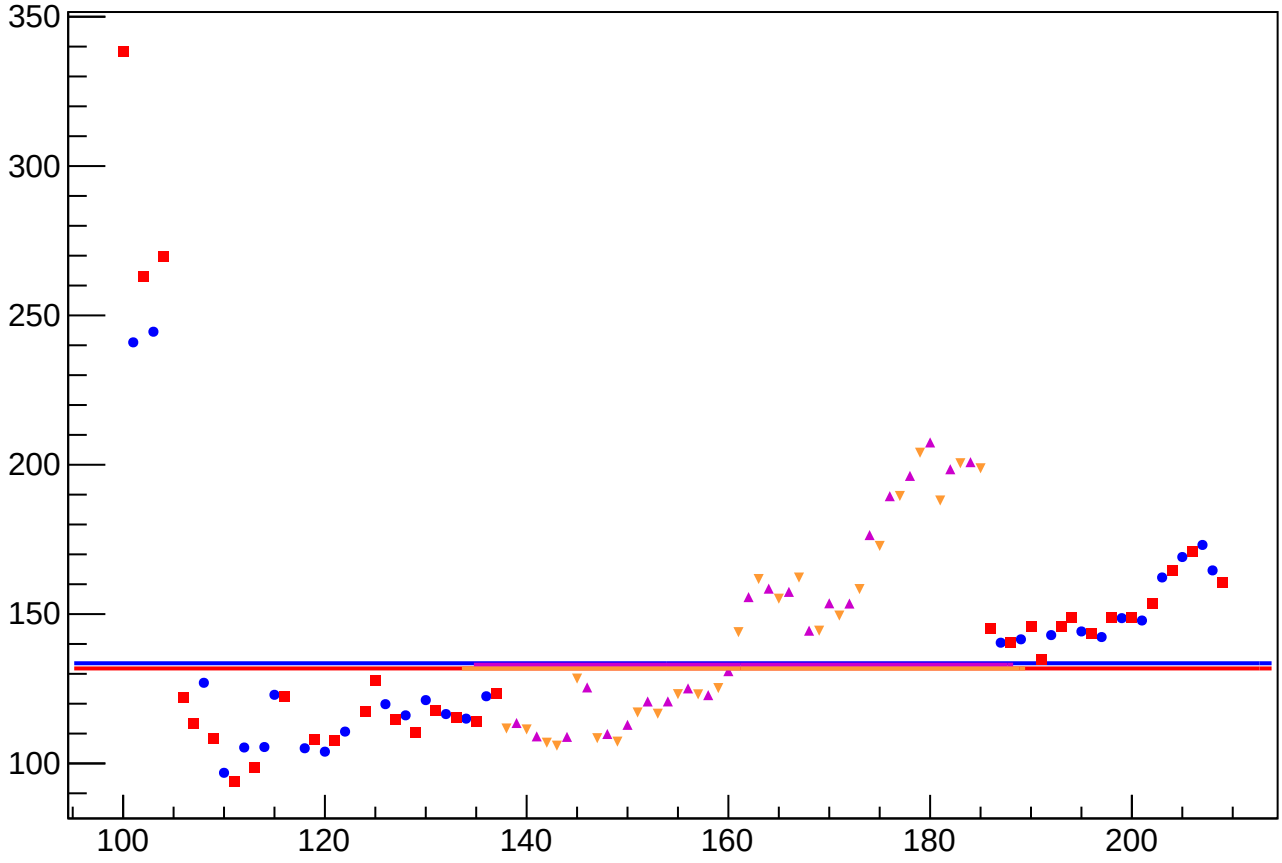
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

\+ sign -703.858+/-23.073 χ^2/NDF: 165591.5/51

All: -330.199+/-16.253 χ^2/NDF: 342451.0/10

\- sign 37.818+/-22.898 χ^2/NDF: 176339.0/54

asym_bpm1i02WS_rms vs Slug



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 131.804+/-0.023 χ^2/NDF: 1500924.7/31

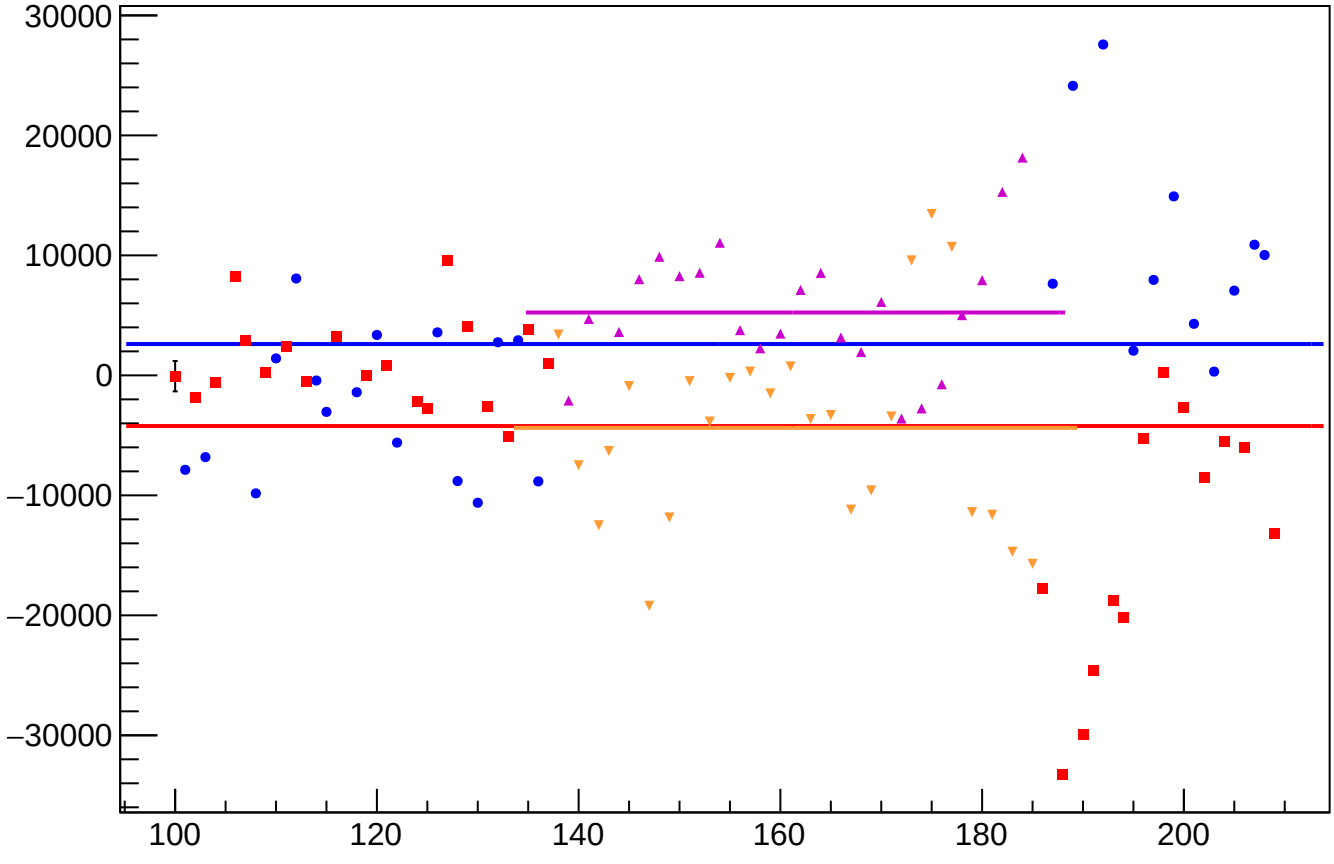
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 132.564+/-0.016 χ^2/NDF: 2832643.3/51

All: 132.506+/-0.011 χ^2/NDF: 5753350.7/106

- sign 132.449+/-0.016 χ^2/NDF: 2920682.3/54

asym_bpm1i04WS_mean vs Slug



Right In: 2610.650+/-31.222 χ^2/NDF: 88552.7/26

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4223.770+/-29.654 χ^2/NDF: 113841.0/31

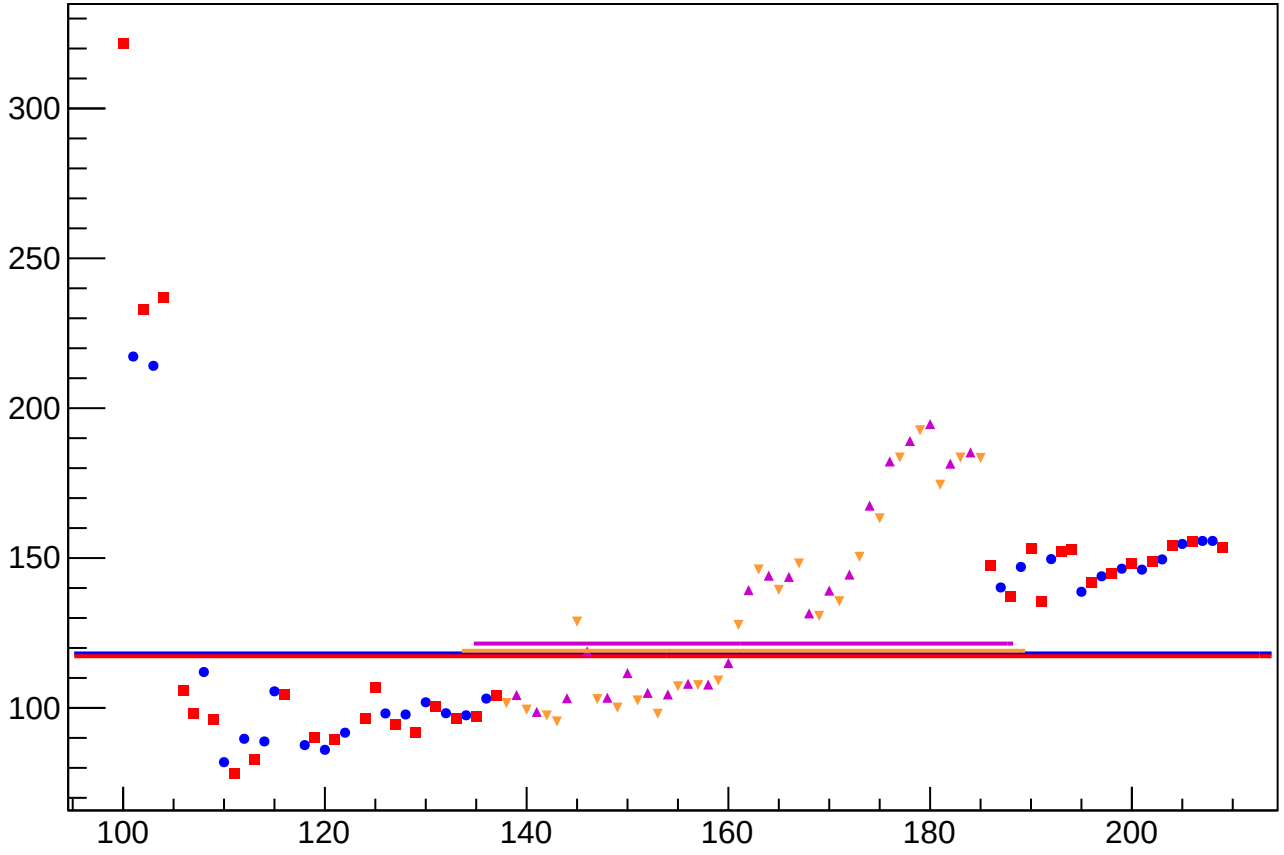
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

\+ sign -1265.362+/-20.827 χ^2/NDF: 183538.6/51

All: -346.249+/-14.726 χ^2/NDF: 375165.5/10

\- sign 572.697+/-20.825 χ^2/NDF: 187732.1/54

asym_bpm1i04WS_rms vs Slug



Right In: 118.175+/-0.022 χ^2/NDF: 1968514.5/26

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 117.244+/-0.021 χ^2/NDF: 2355181.9/31

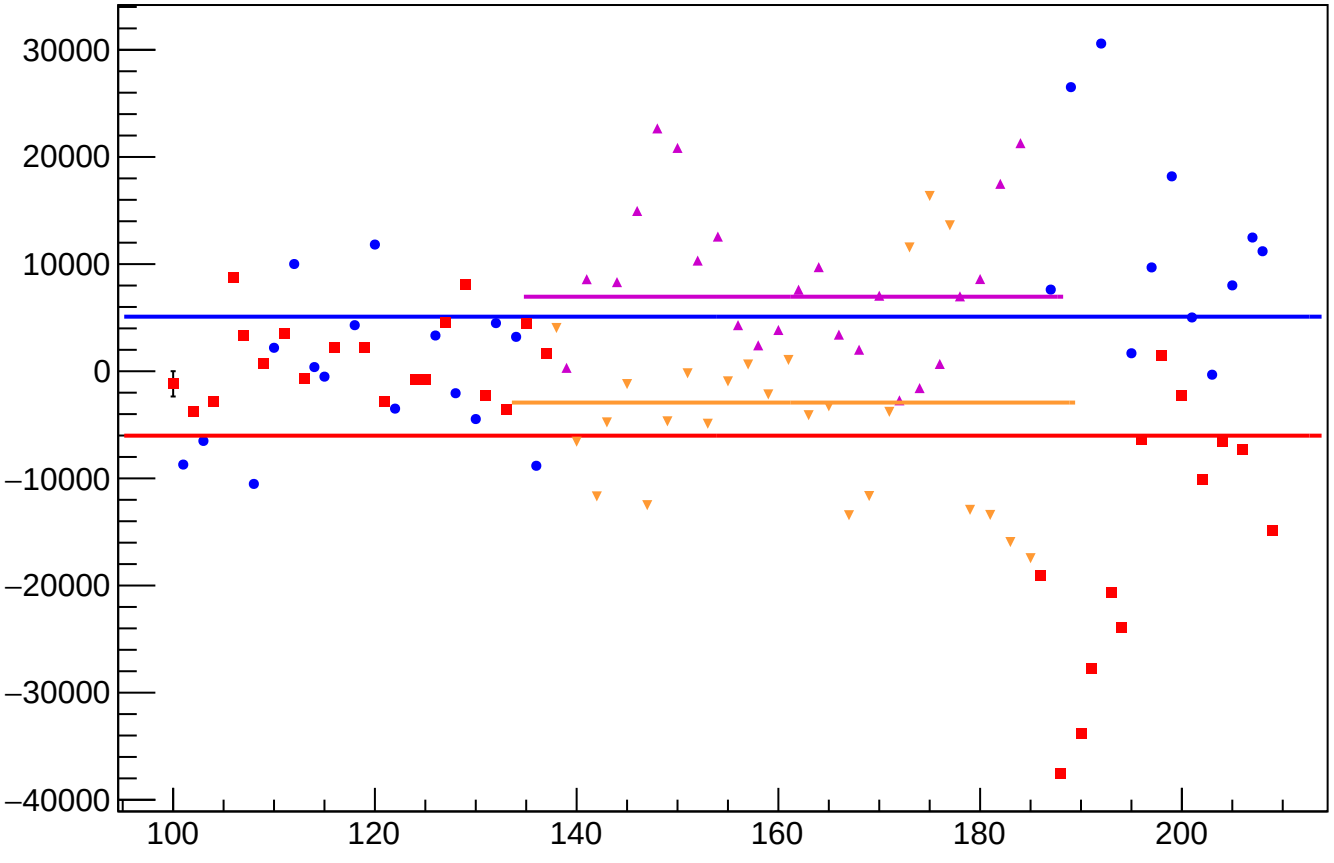
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 118.669+/-0.015 χ^2/NDF: 3724843.0/51

All: 119.027+/-0.010 χ^2/NDF: 7631152.5/106

- sign 119.385+/-0.015 χ^2/NDF: 3905126.7/54

asym_bpm1i06WS_mean vs Slug



Right In: 5094.159+/-41.007 χ^2/NDF: 63256.1/26

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -6011.838+/-38.984 χ^2/NDF: 94240.4/31

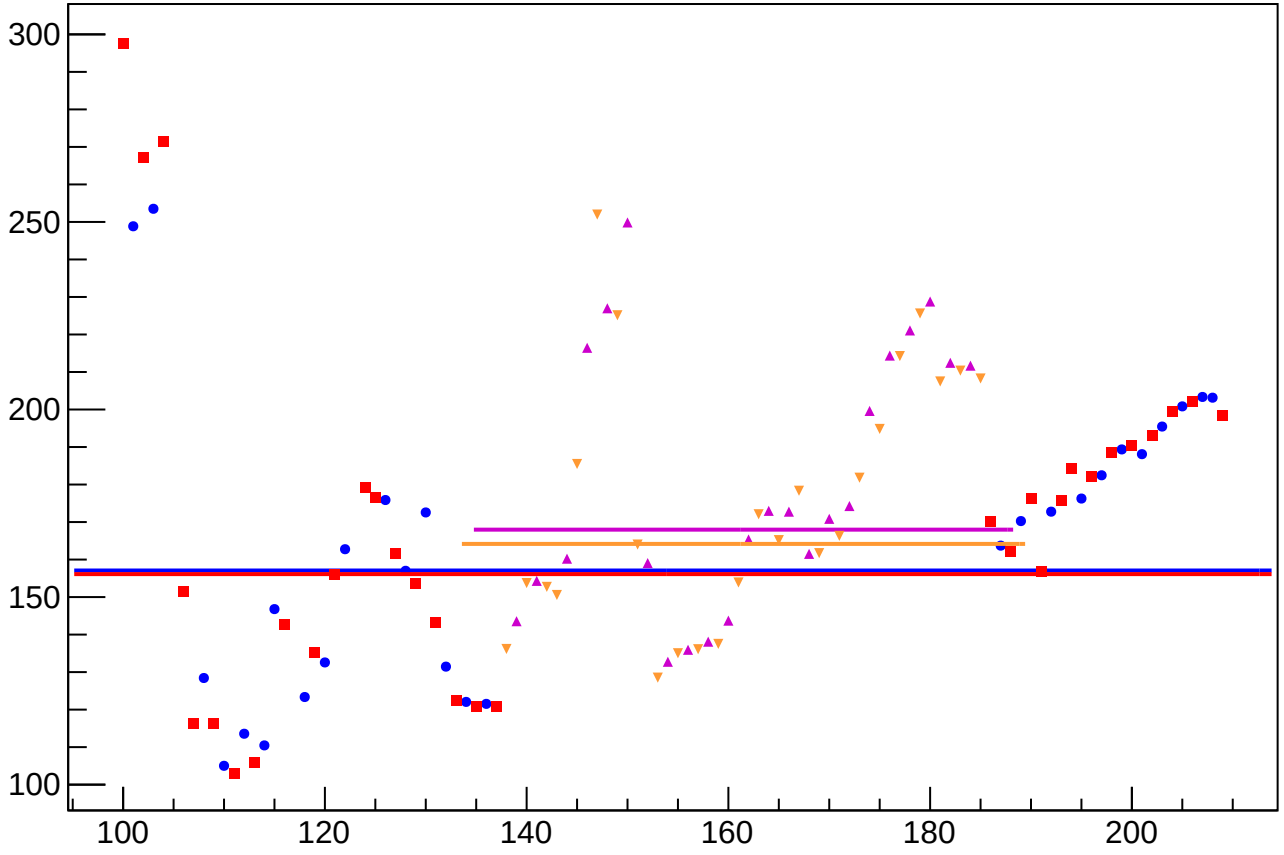
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 800.245+/-27.945 χ^2/NDF: 121780.9/51

All: 533.732+/-19.780 χ^2/NDF: 292115.7/106

- sign 266.152+/-28.001 χ^2/NDF: 170152.5/54

asym_bpm1i06WS_rms vs Slug



Right In: 157.082+/-0.029 χ^2/NDF: 1597223.7/26

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

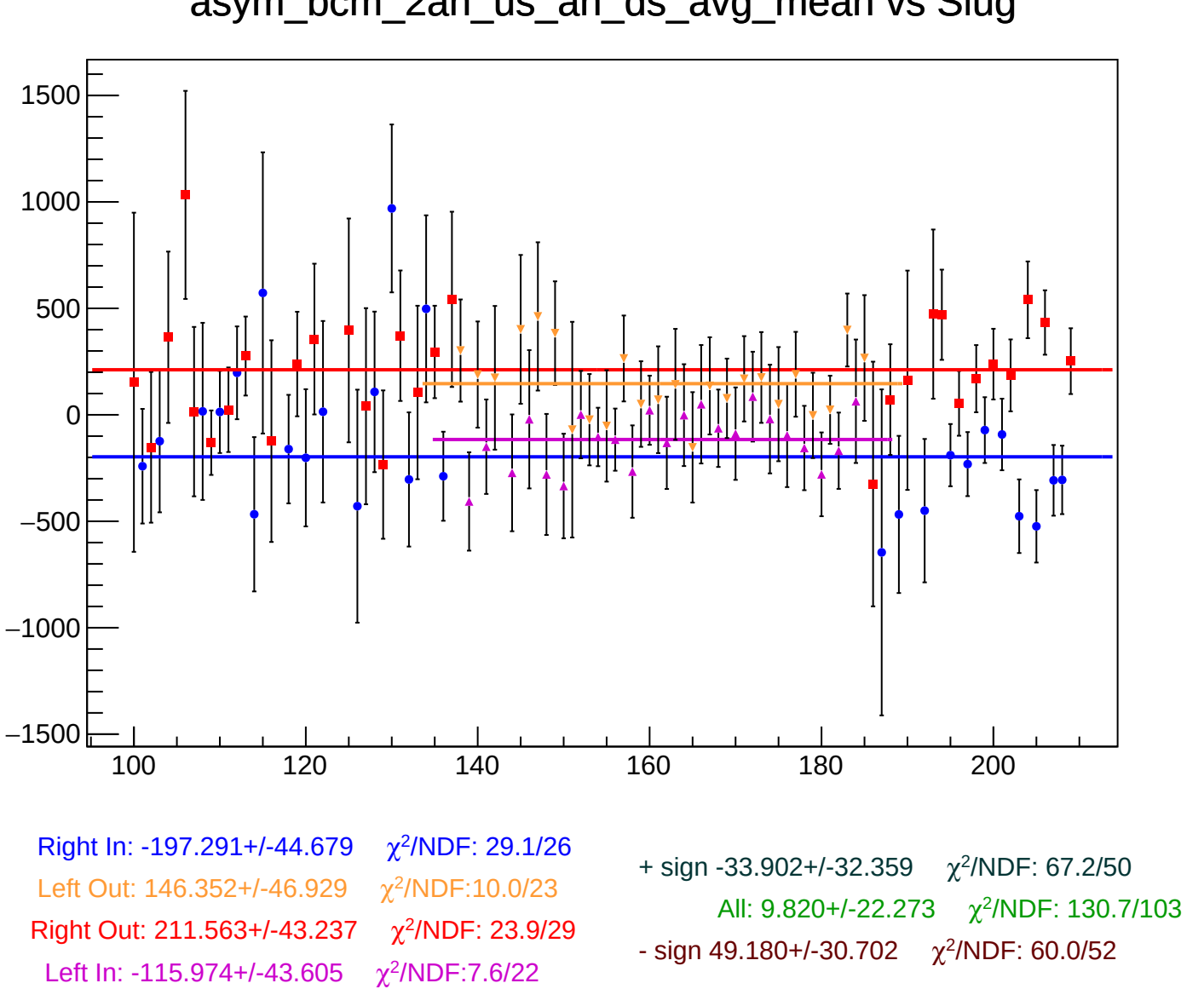
Right Out: 156.121+/-0.028 χ^2/NDF: 1808485.5/31

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

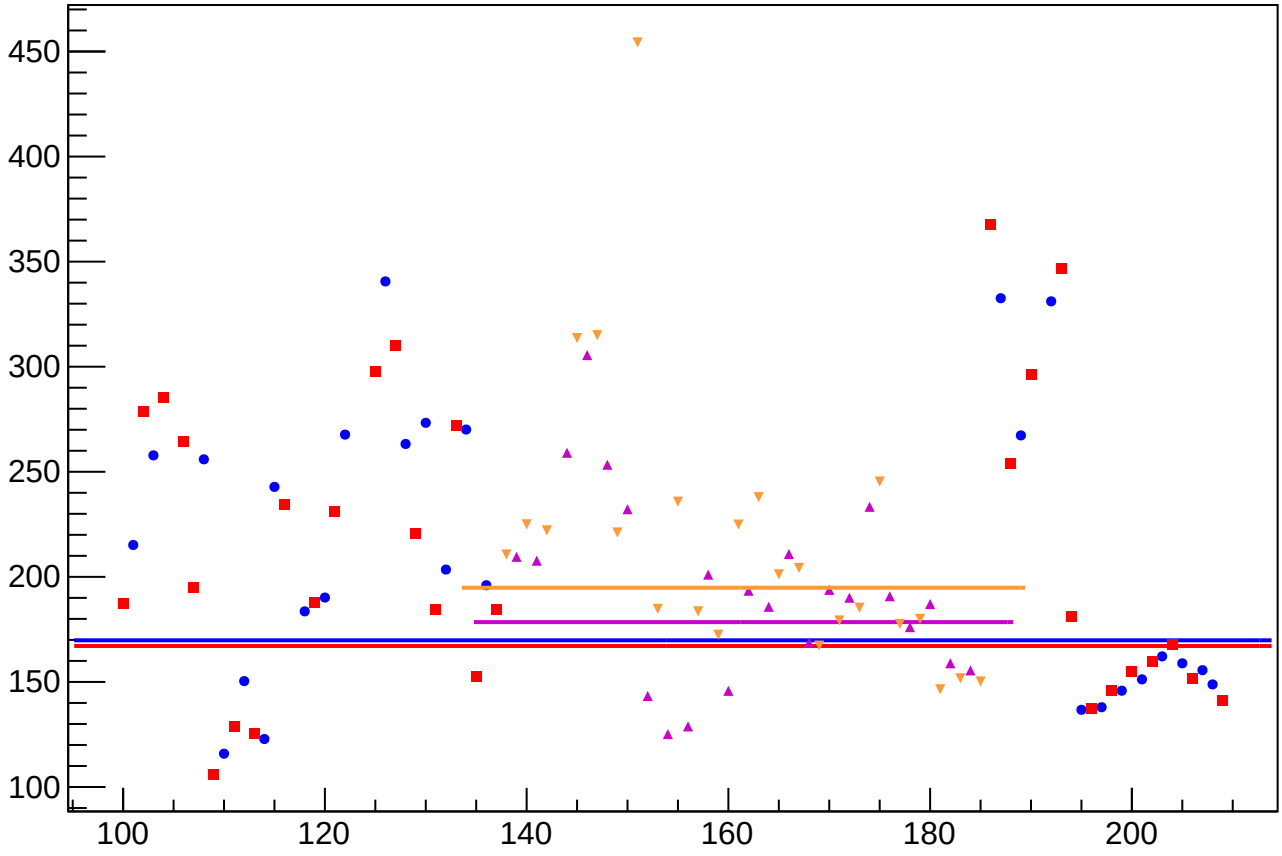
+ sign 160.880+/-0.020 χ^2/NDF: 2853650.6/51

All: 161.369+/-0.014 χ^2/NDF: 5975623.5/106

- sign 161.860+/-0.020 χ^2/NDF: 3120745.5/54


asym_bcm_2an_us_an_ds_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -197.291+/-44.679 χ²/NDF: 29.1/26
Left Out: 146.352+/-46.929 χ²/NDF:10.0/23
Right Out: 211.563+/-43.237 χ²/NDF: 23.9/29
Left In: -115.974+/-43.605 χ²/NDF:7.6/22
+ sign -33.902+/-32.359 χ²/NDF: 67.2/50
All: 9.820+/-22.273 χ²/NDF: 130.7/103
- sign 49.180+/-30.702 χ²/NDF: 60.0/52

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 169.804+/-0.032 χ^2/NDF: 2259323.0/26

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 167.115+/-0.031 χ^2/NDF: 2812041.9/29

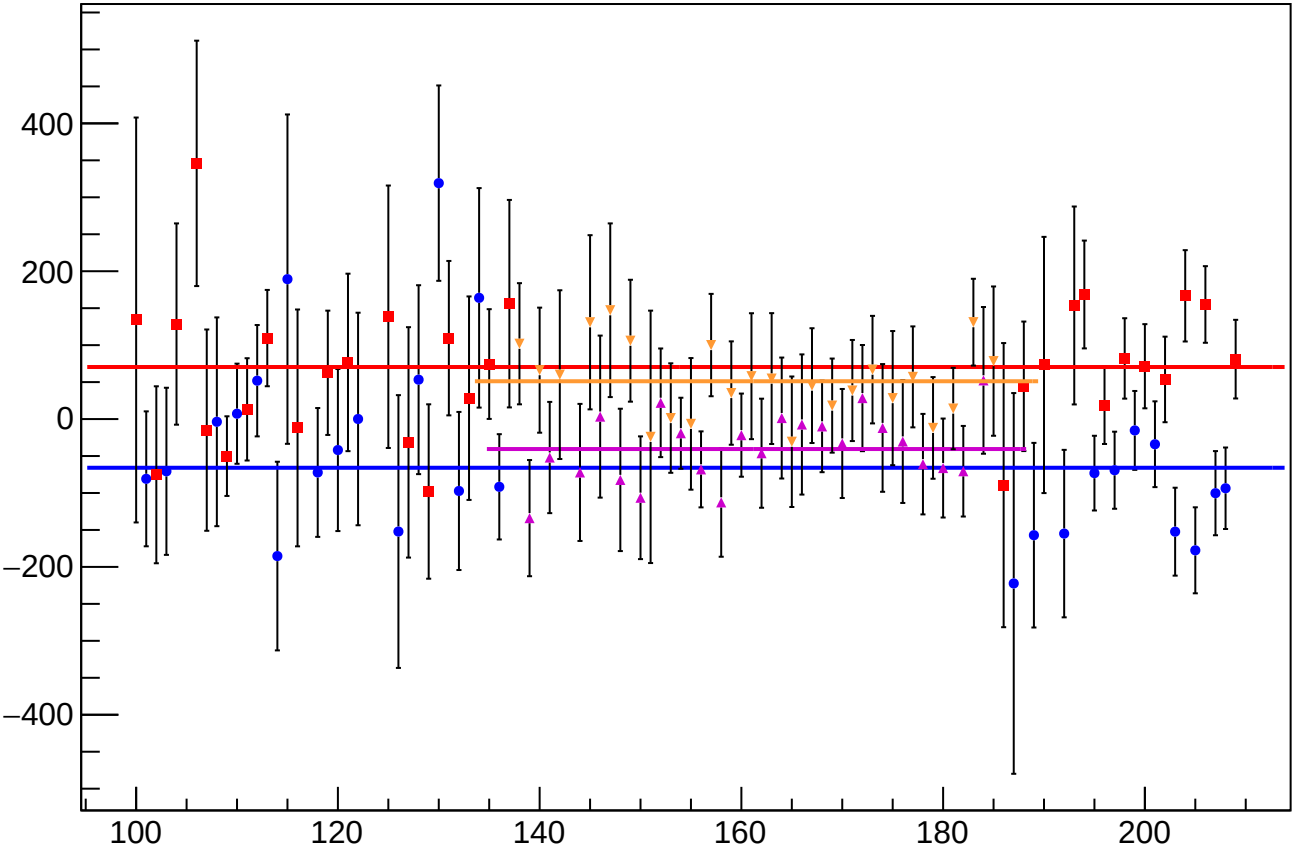
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 181.702+/-0.023 χ^2/NDF: 4310101.2/50

All: 176.989+/-0.016 χ^2/NDF: 8947466.7/103

- sign 172.747+/-0.022 χ^2/NDF: 4556760.6/52

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -65.869+/-15.346 χ^2/NDF: 27.6/26

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 70.414+/-14.882 χ^2/NDF: 23.6/29

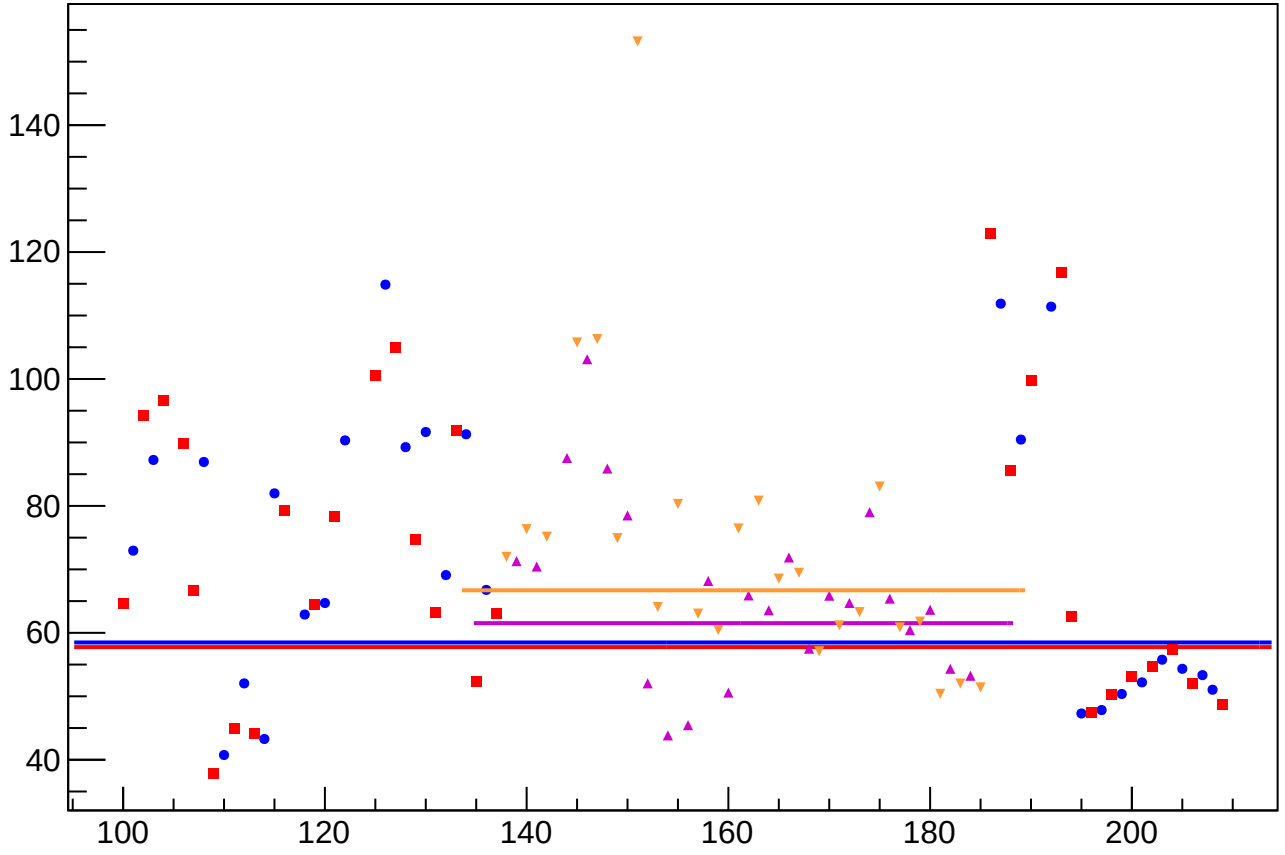
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -9.928+/-11.088 χ^2/NDF: 63.6/50

All: 3.300+/-7.646 χ^2/NDF: 125.4/103

- sign 15.292+/-10.557 χ^2/NDF: 59.1/52

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.484+/-0.011 χ^2/NDF: 2117973.0/26

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 57.752+/-0.011 χ^2/NDF: 2616462.1/29

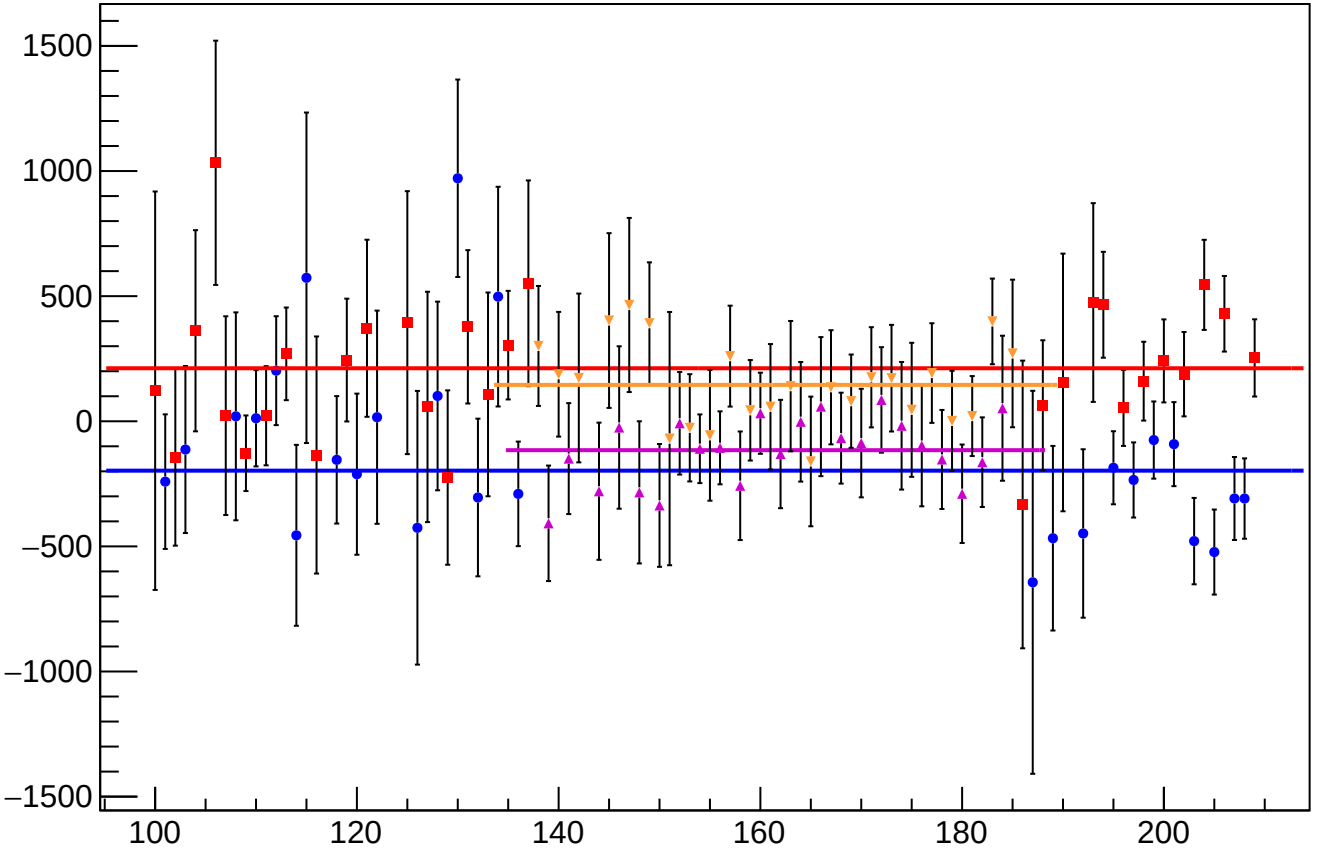
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.413+/-0.008 χ^2/NDF: 4068518.6/50

All: 60.952+/-0.005 χ^2/NDF: 8304989.4/103

- sign 59.628+/-0.007 χ^2/NDF: 4170310.3/52

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -197.338+/-44.622 χ^2/NDF: 29.3/26

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 211.887+/-43.182 χ^2/NDF: 24.0/29

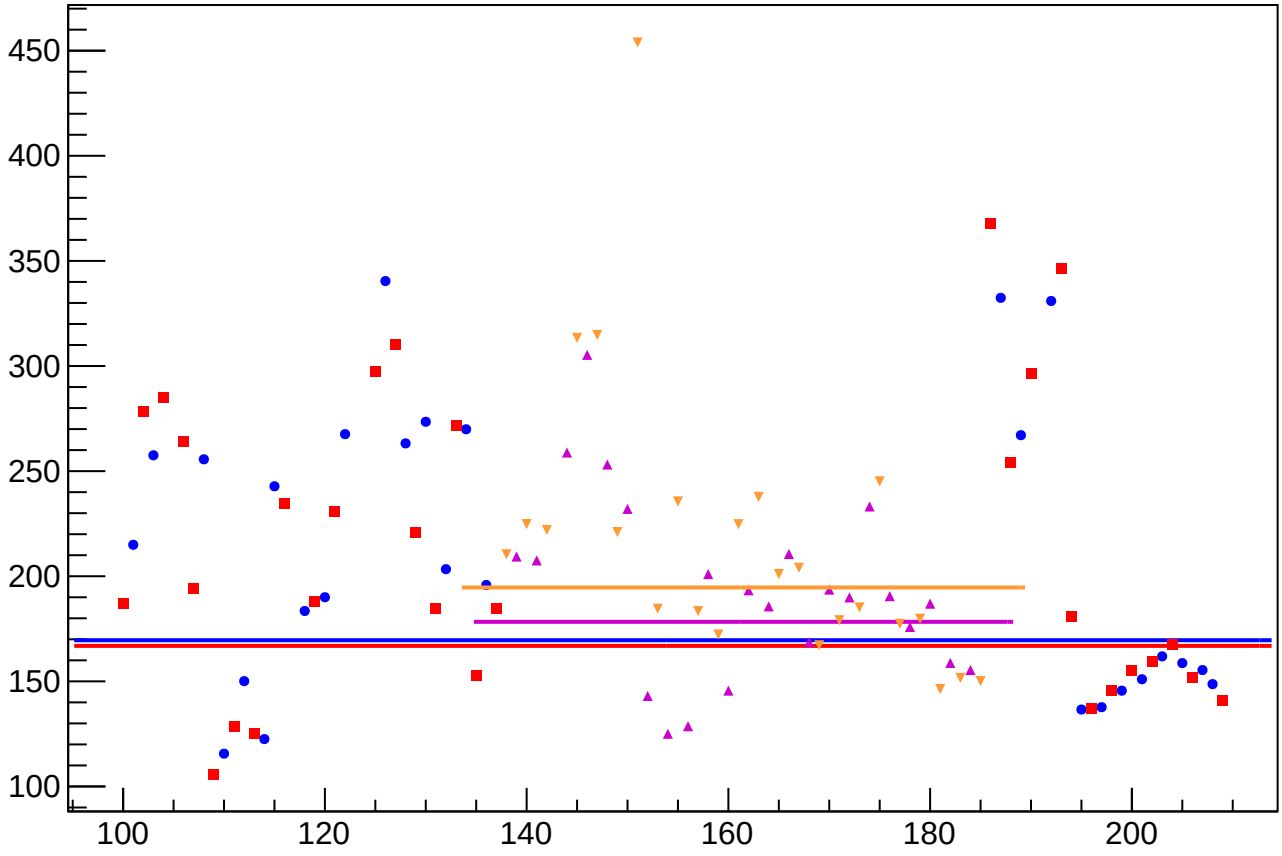
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -34.417+/-32.324 χ^2/NDF: 67.5/50

All: 9.826+/-22.249 χ^2/NDF: 131.3/103

- sign 49.656+/-30.670 χ^2/NDF: 60.2/52

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 166.877+/-0.031 χ^2/NDF: 2820362.4/29

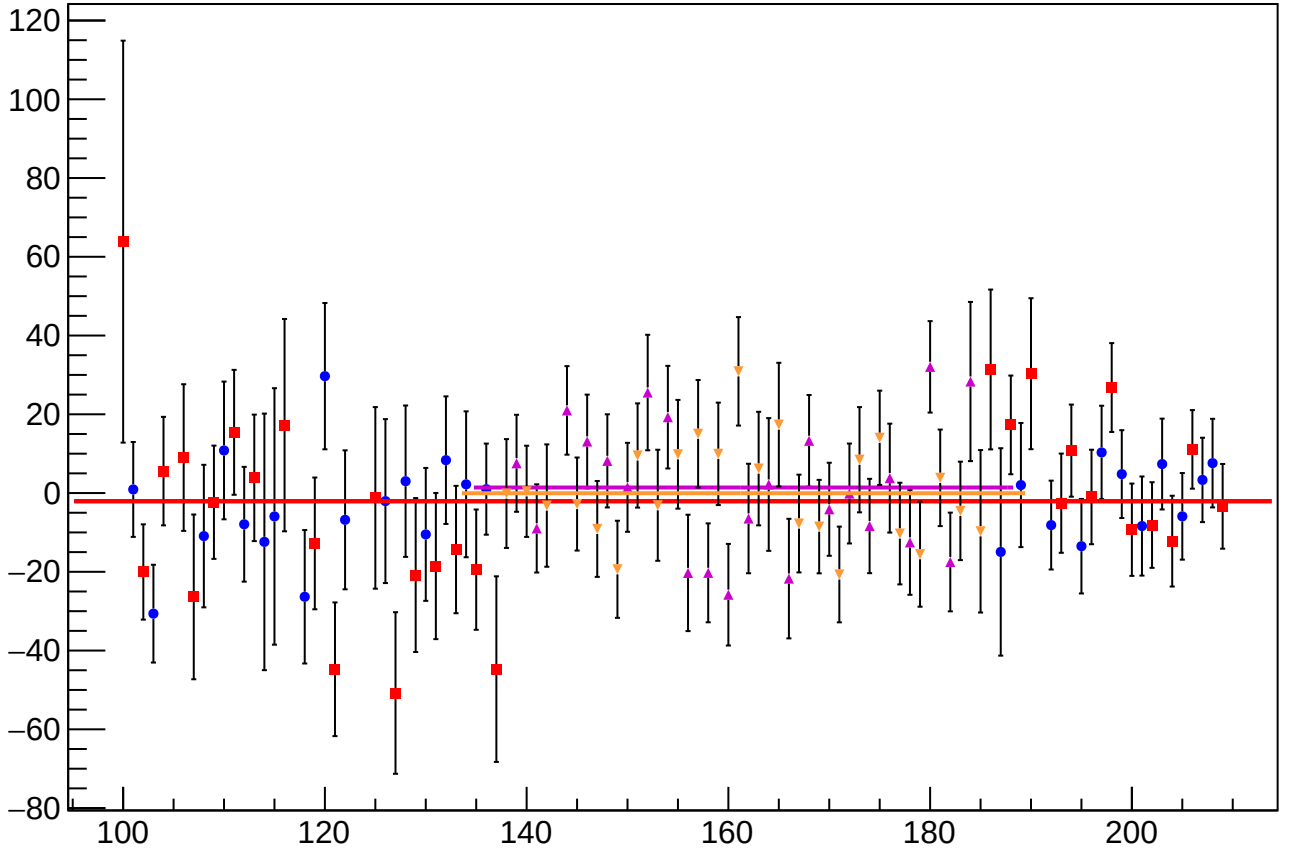
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.492+/-0.023 χ^2/NDF: 4319281.1/50

All: 176.785+/-0.016 χ^2/NDF: 8968159.9/103

- sign 172.547+/-0.022 χ^2/NDF: 4568267.8/52

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -2.071+/-2.670 χ^2/NDF: 45.9/29

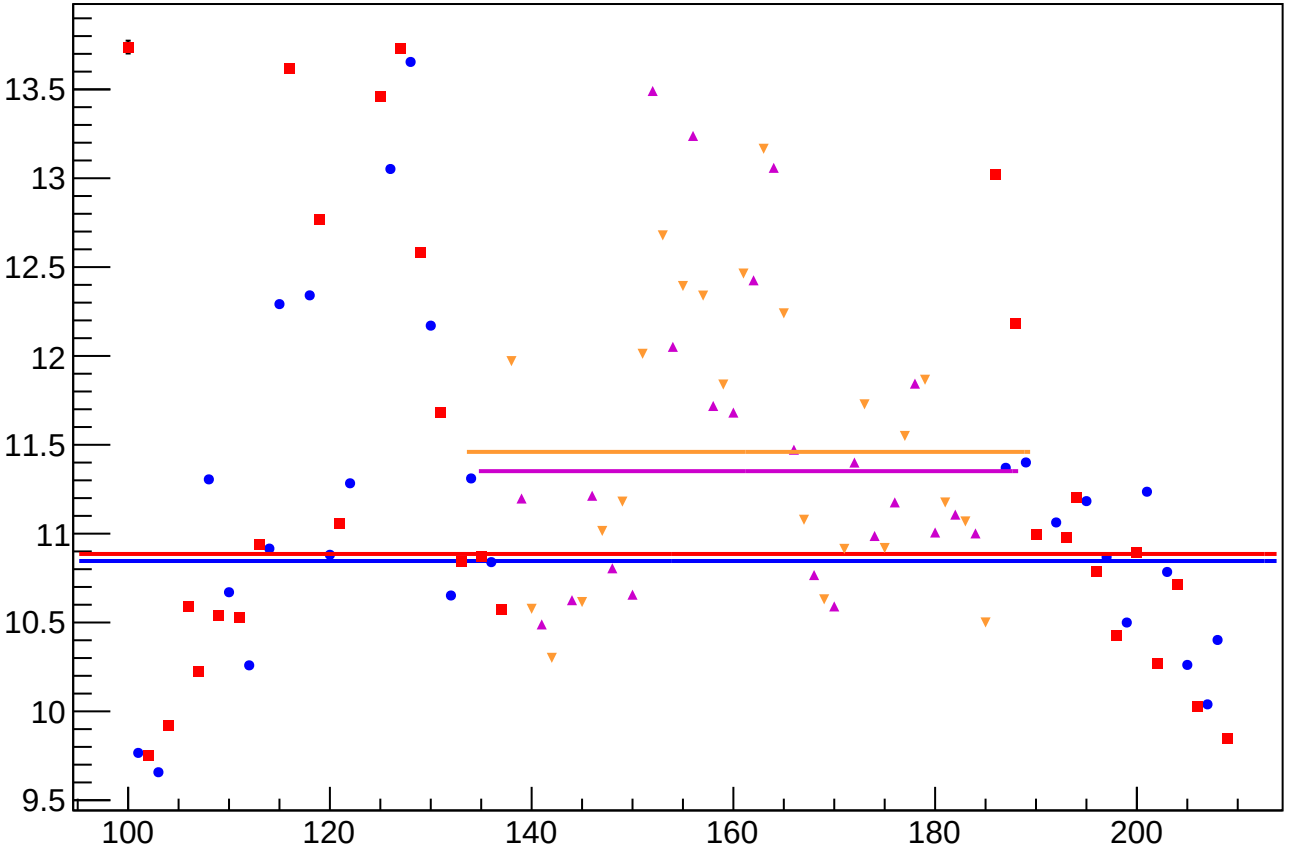
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.043+/-1.919 χ^2/NDF: 38.1/50

All: -0.683+/-1.346 χ^2/NDF: 121.2/103

- sign -0.335+/-1.889 χ^2/NDF: 83.1/52

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.886+/-0.002 χ^2/NDF: 255974.5/29

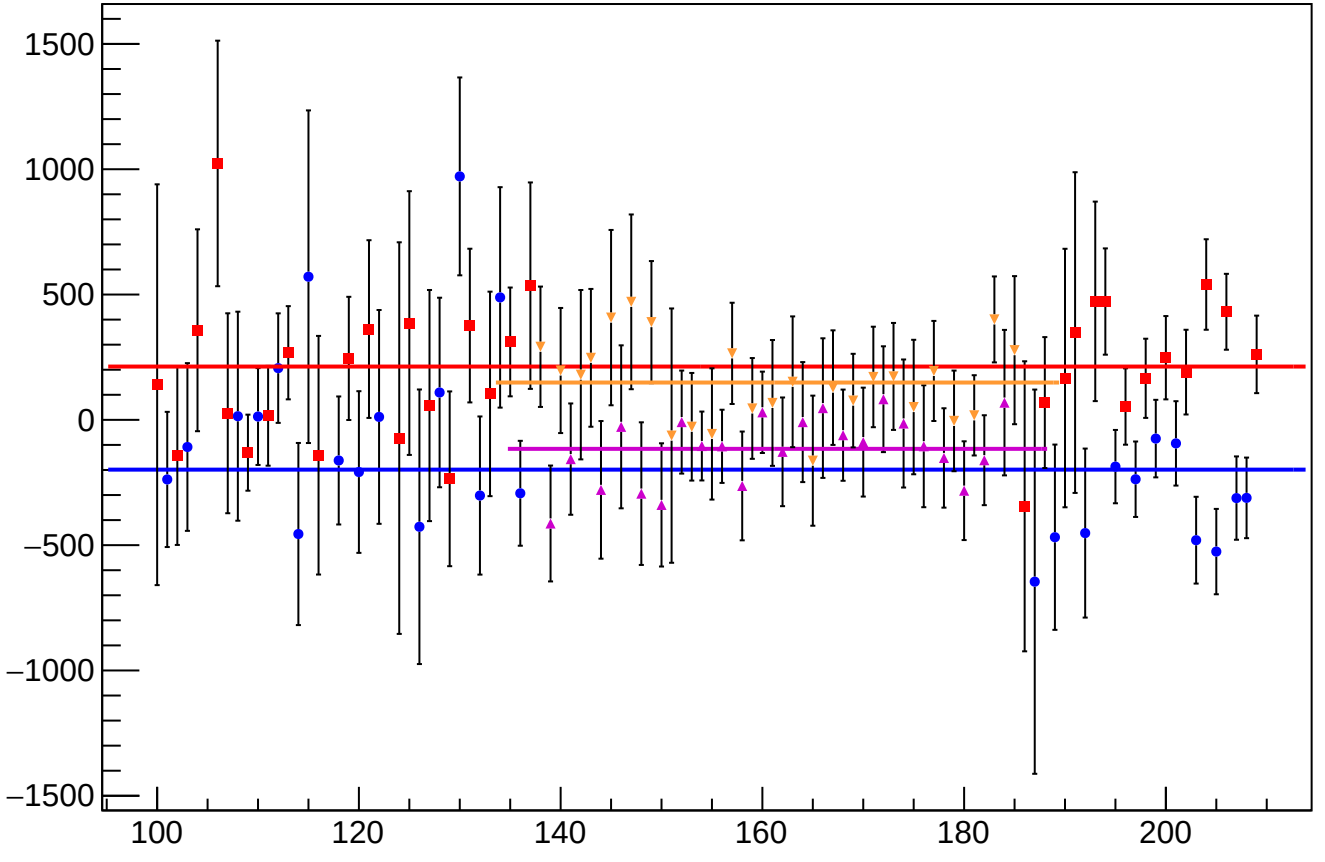
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.160+/-0.001 χ^2/NDF: 370090.6/50

All: 11.139+/-0.001 χ^2/NDF: 827527.7/103

- sign 11.118+/-0.001 χ^2/NDF: 456962.1/52

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 212.677+/-43.136 χ^2/NDF: 24.1/31

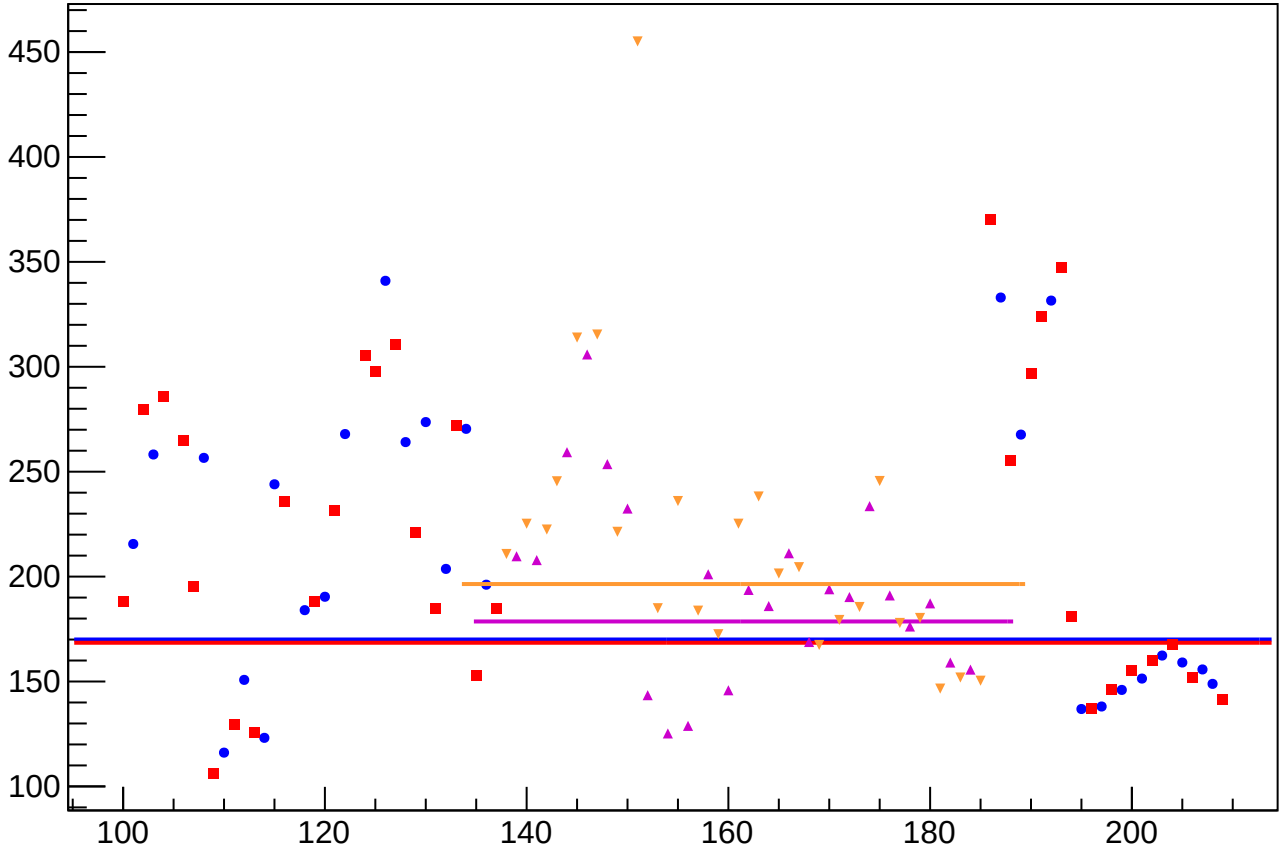
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -30.854+/-32.175 χ^2/NDF: 68.9/51

All: 11.704+/-22.203 χ^2/NDF: 132.8/106

- sign 50.396+/-30.679 χ^2/NDF: 60.6/54

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.471+/-0.031 χ^2/NDF: 2998775.4/31

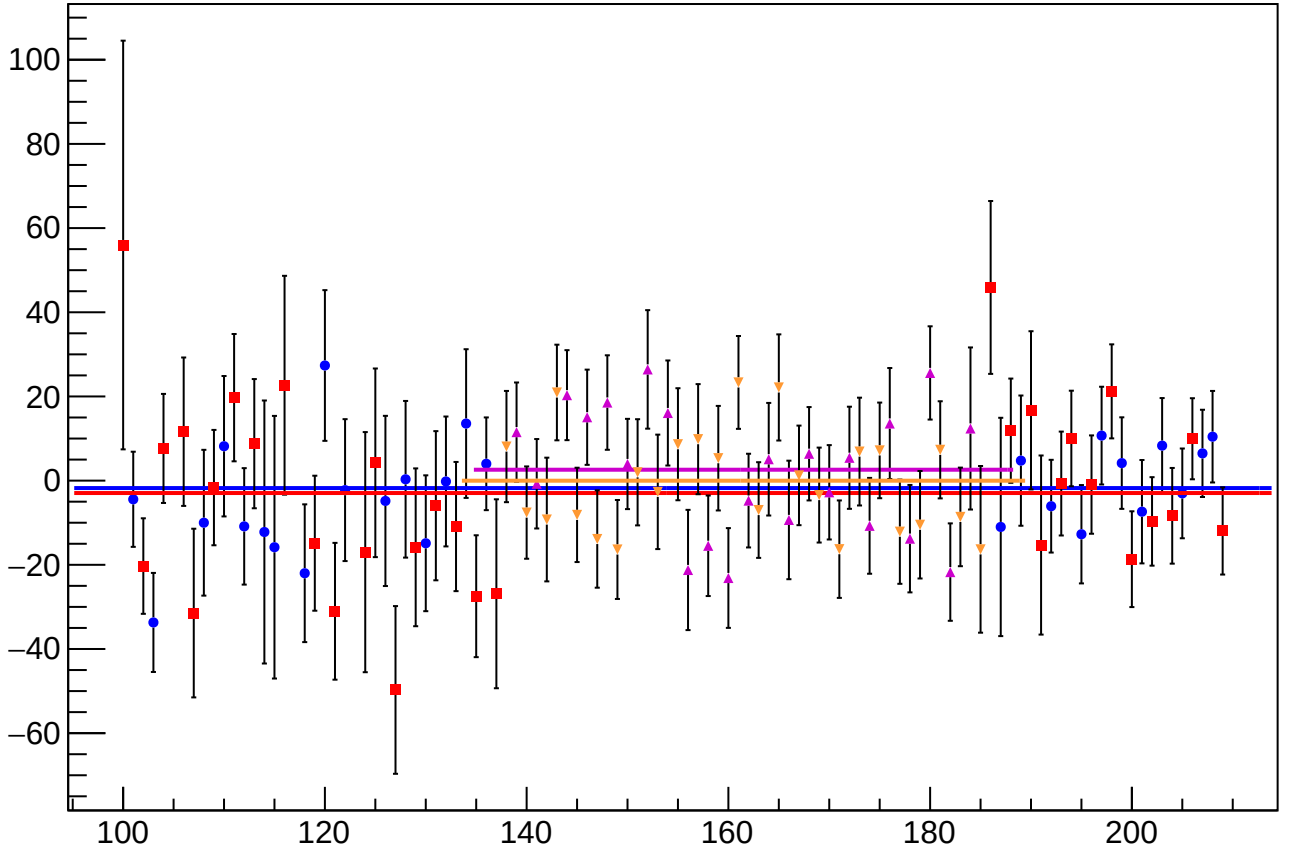
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.781+/-0.023 χ^2/NDF: 4416997.1/51

All: 177.911+/-0.016 χ^2/NDF: 9236746.8/106

- sign 173.484+/-0.022 χ^2/NDF: 4732277.6/54

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.946+/-2.549 χ^2/NDF: 44.8/31

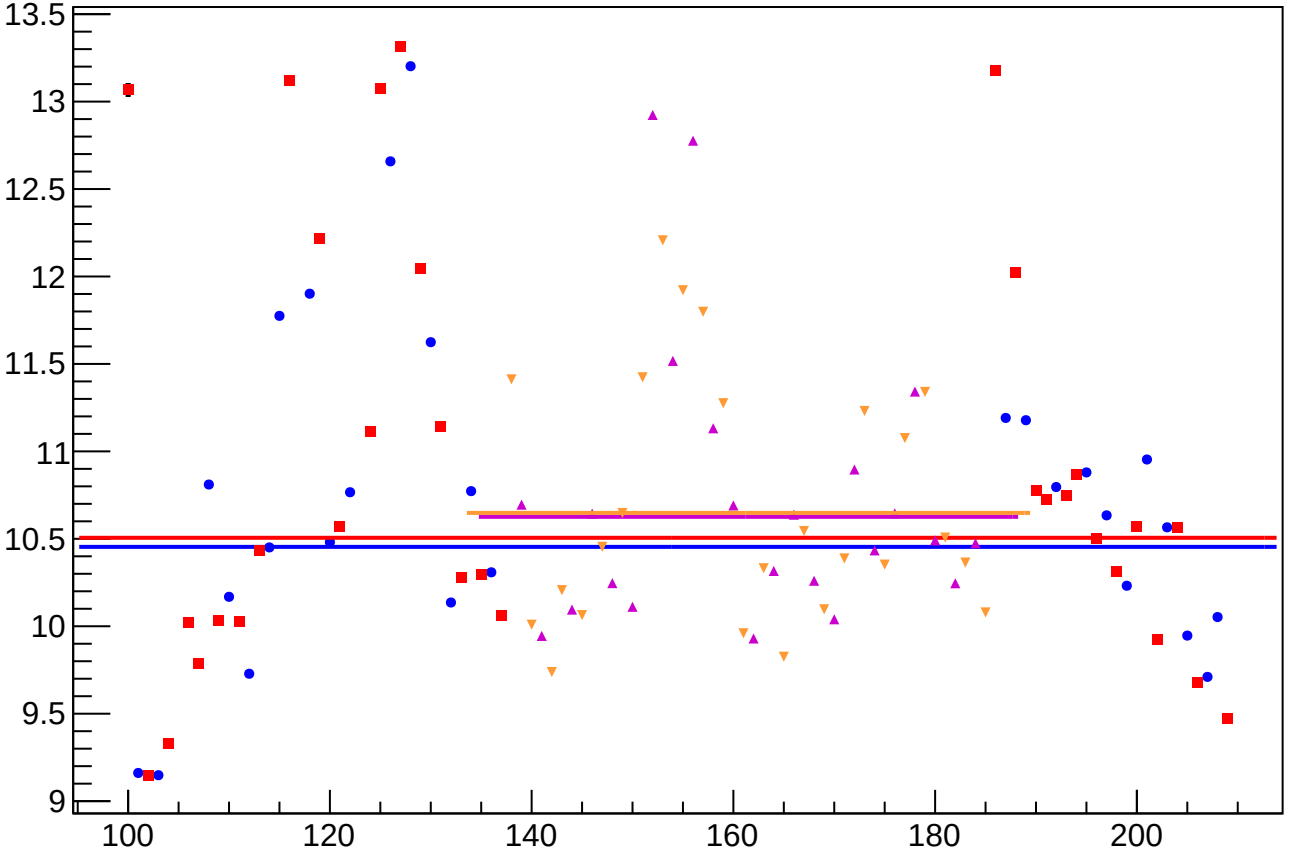
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

\+ sign -0.822+/-1.796 χ^2/NDF: 44.3/51

All: -0.475+/-1.267 χ^2/NDF: 126.4/106

\- sign -0.131+/-1.787 χ^2/NDF: 82.0/54

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.506+/-0.002 χ^2/NDF: 295815.4/31

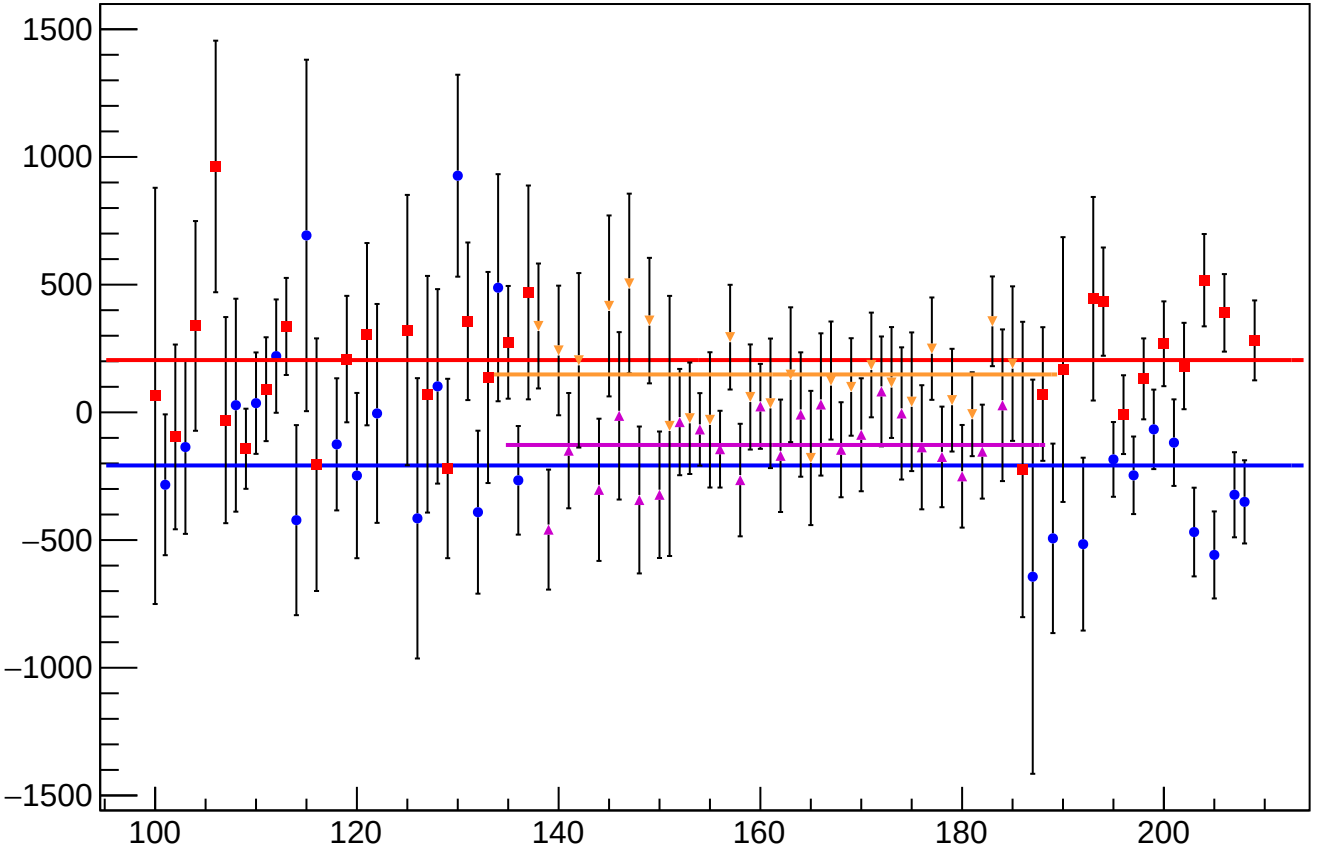
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.559+/-0.001 χ^2/NDF: 339698.2/51

All: 10.563+/-0.001 χ^2/NDF: 797322.8/106

- sign 10.567+/-0.001 χ^2/NDF: 457605.0/54

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 204.695+/-43.732 χ^2/NDF: 21.7/29

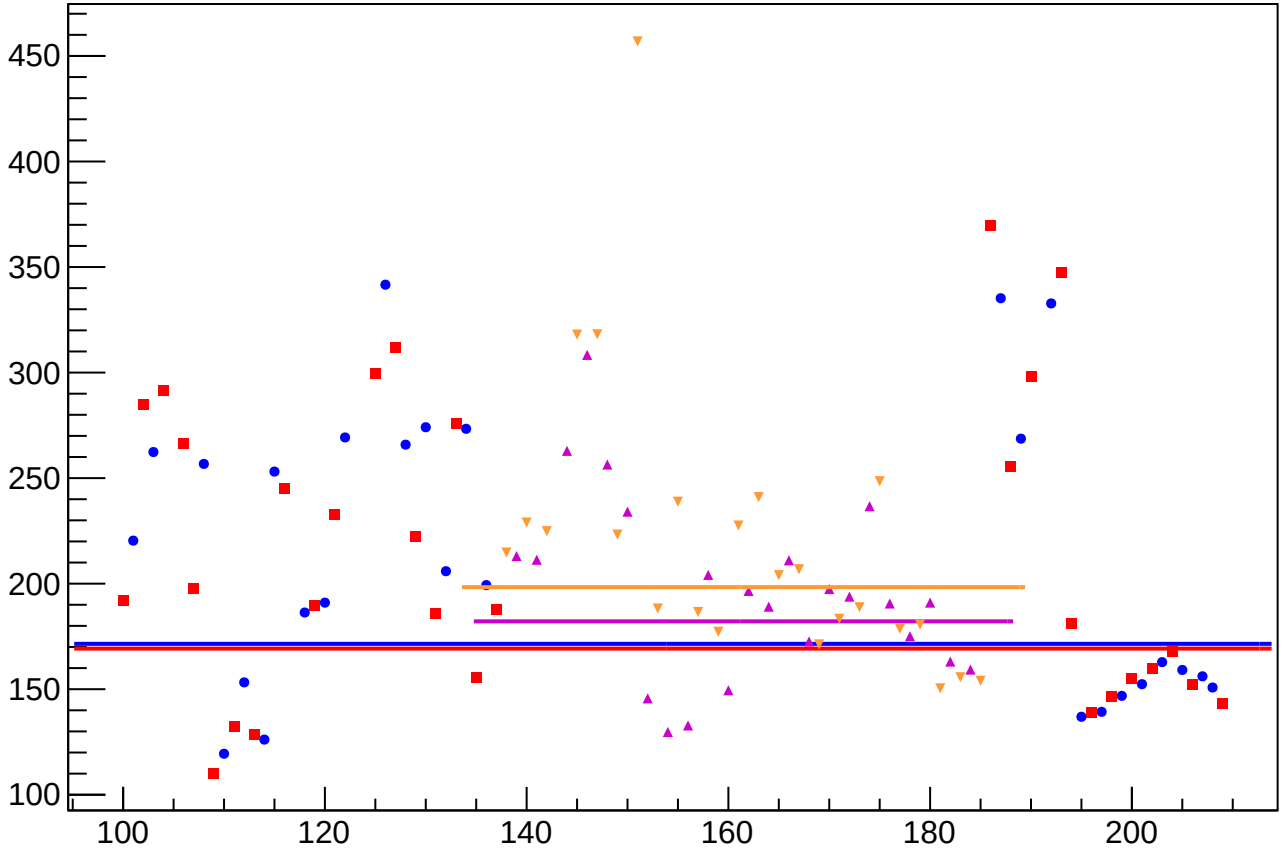
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -39.737+/-32.783 χ^2/NDF: 69.9/50

All: 2.730+/-22.588 χ^2/NDF: 131.1/103

- sign 41.111+/-31.166 χ^2/NDF: 58.0/52

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 169.236+/-0.031 χ^2/NDF: 2755175.5/29

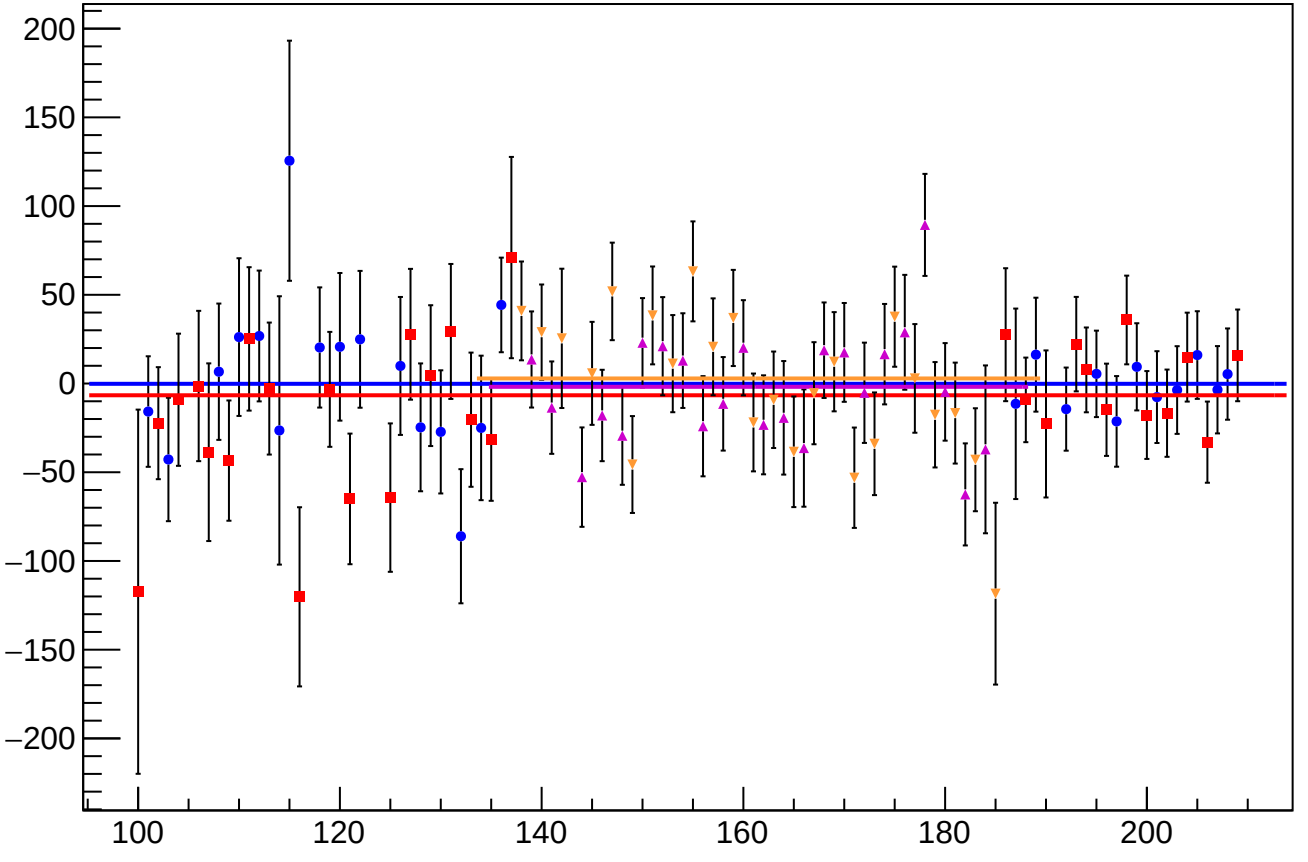
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

\+ sign 184.170+/-0.023 χ^2/NDF: 4283751.3/50

All: 179.664+/-0.016 χ^2/NDF: 8781065.1/103

\- sign 175.591+/-0.022 χ^2/NDF: 4425366.5/52

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.620+/-5.859 χ^2/NDF: 26.2/29

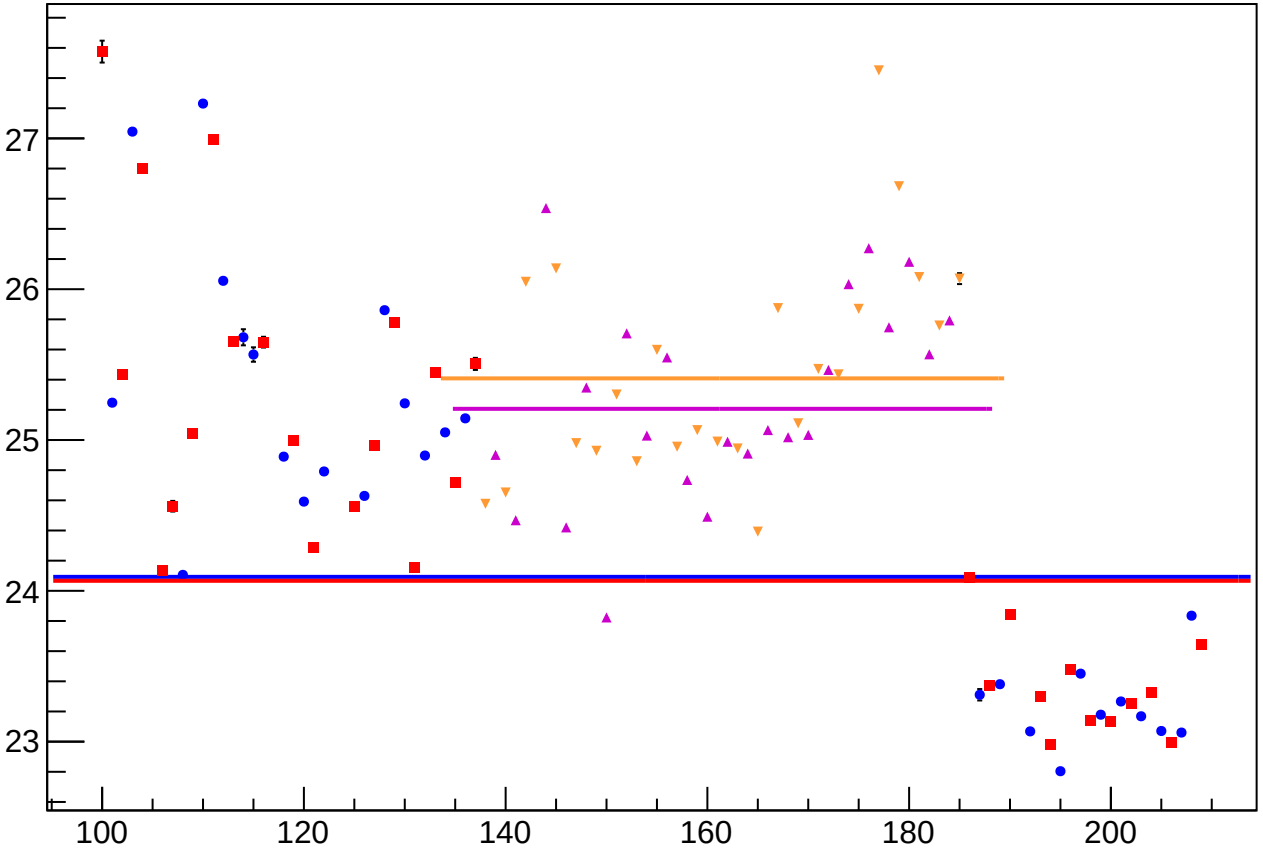
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.385+/-4.230 χ^2/NDF: 55.9/50

All: -1.482+/-2.964 χ^2/NDF: 111.5/103

- sign -4.249+/-4.155 χ^2/NDF: 54.6/52

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.066+/-0.004 χ^2/NDF: 69437.8/29

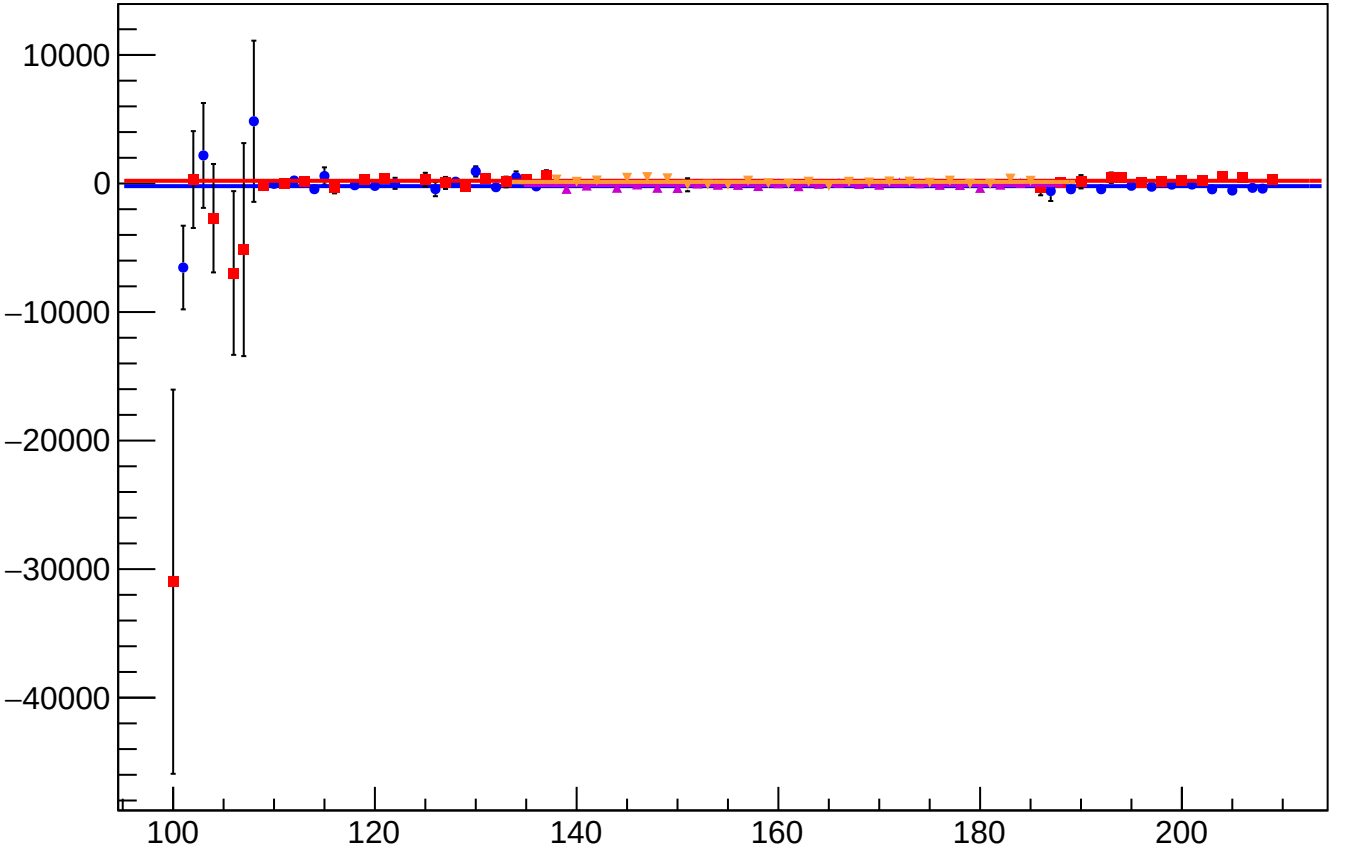
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.768+/-0.003 χ^2/NDF: 151295.8/50

All: 24.699+/-0.002 χ^2/NDF: 285254.1/103

- sign 24.633+/-0.003 χ^2/NDF: 132927.1/52

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 210.812+/-46.206 χ^2/NDF: 24.9/29

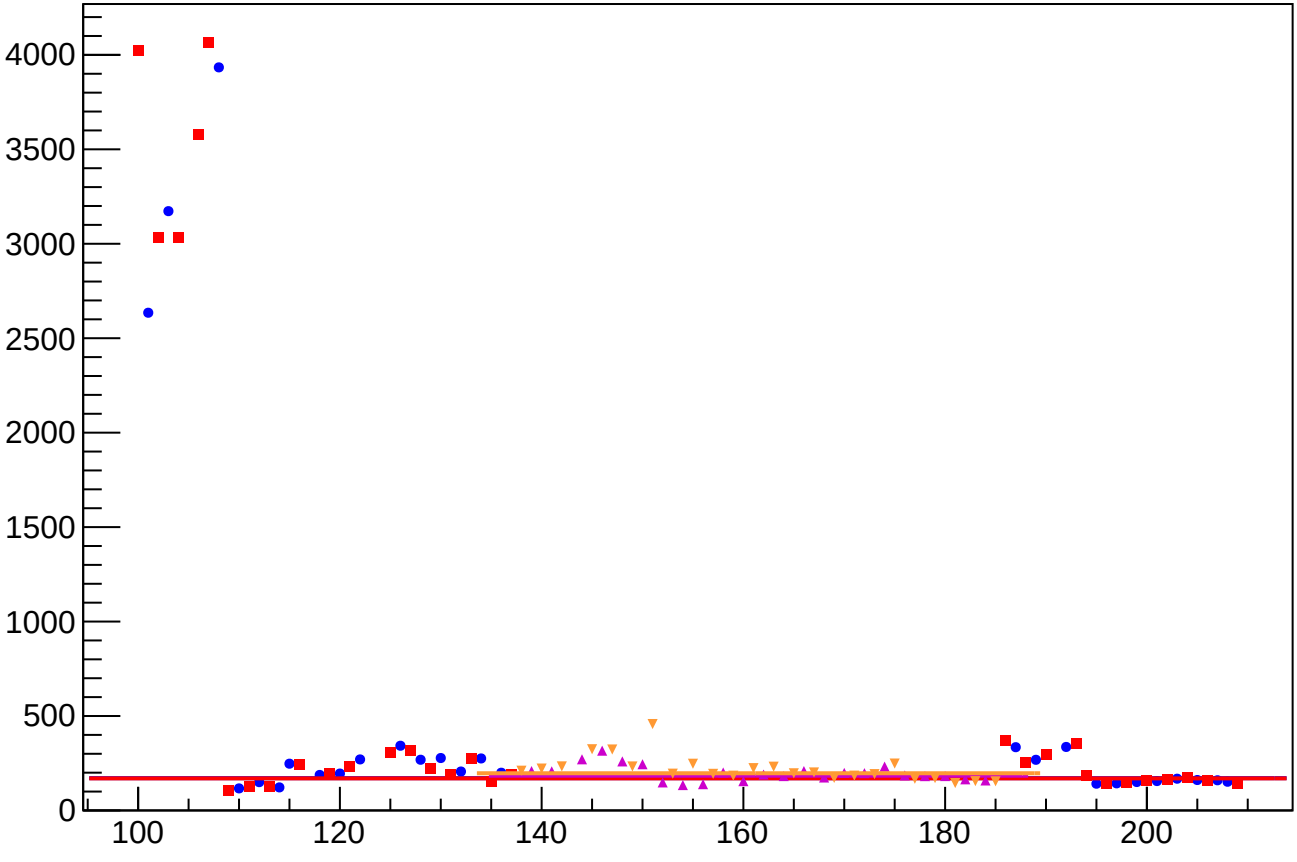
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -44.312+/-33.419 χ^2/NDF: 69.5/50

All: 0.597+/-23.173 χ^2/NDF: 132.1/103

- sign 42.181+/-32.159 χ^2/NDF: 59.2/52

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 169.795+/-0.033 χ^2/NDF: 5416221.1/29

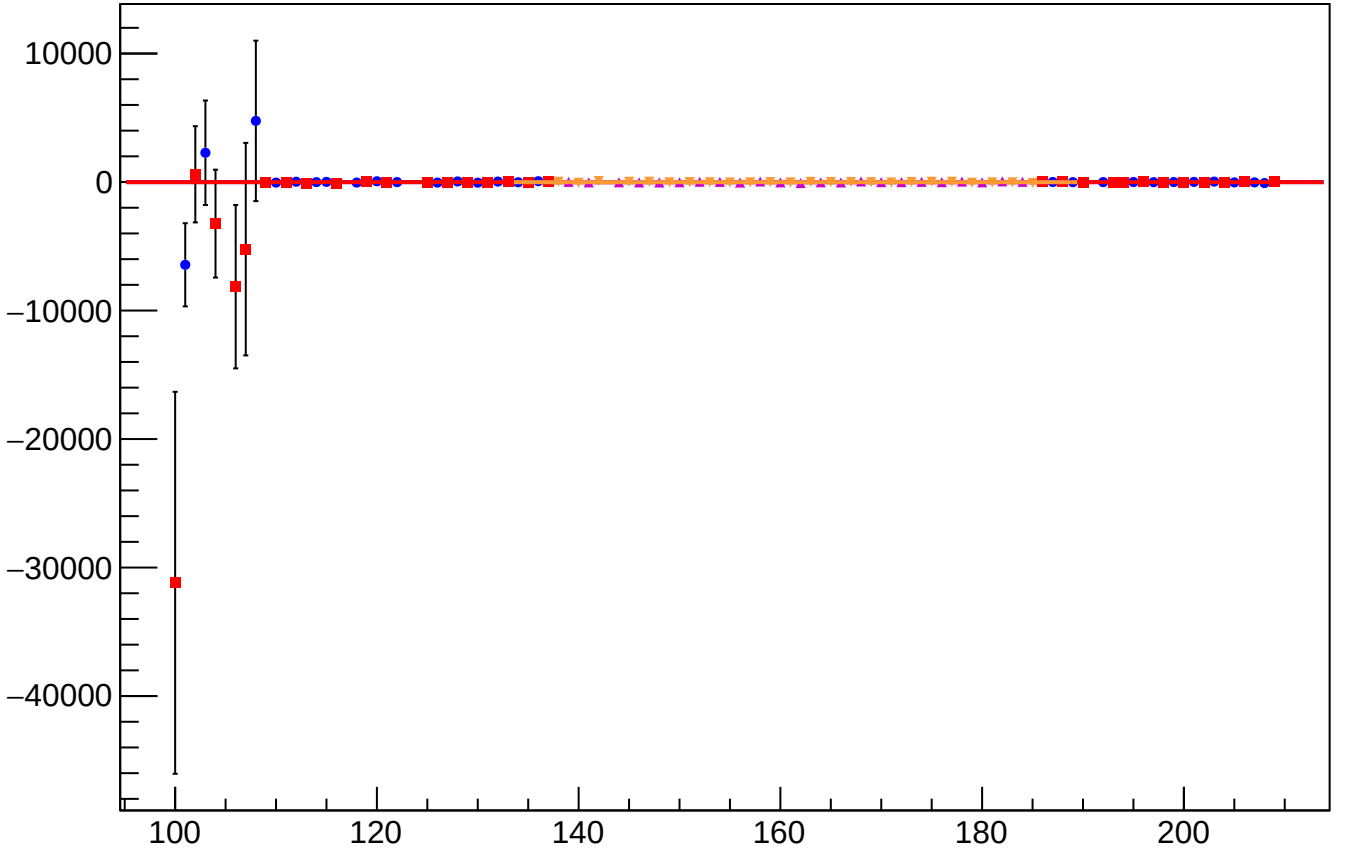
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 183.852+/-0.024 χ^2/NDF: 6981058.1/50

All: 180.370+/-0.016 χ^2/NDF: 13982699.5/10

- sign 177.145+/-0.023 χ^2/NDF: 6959812.8/52

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -8.793+/-7.116 χ^2/NDF: 33.0/29

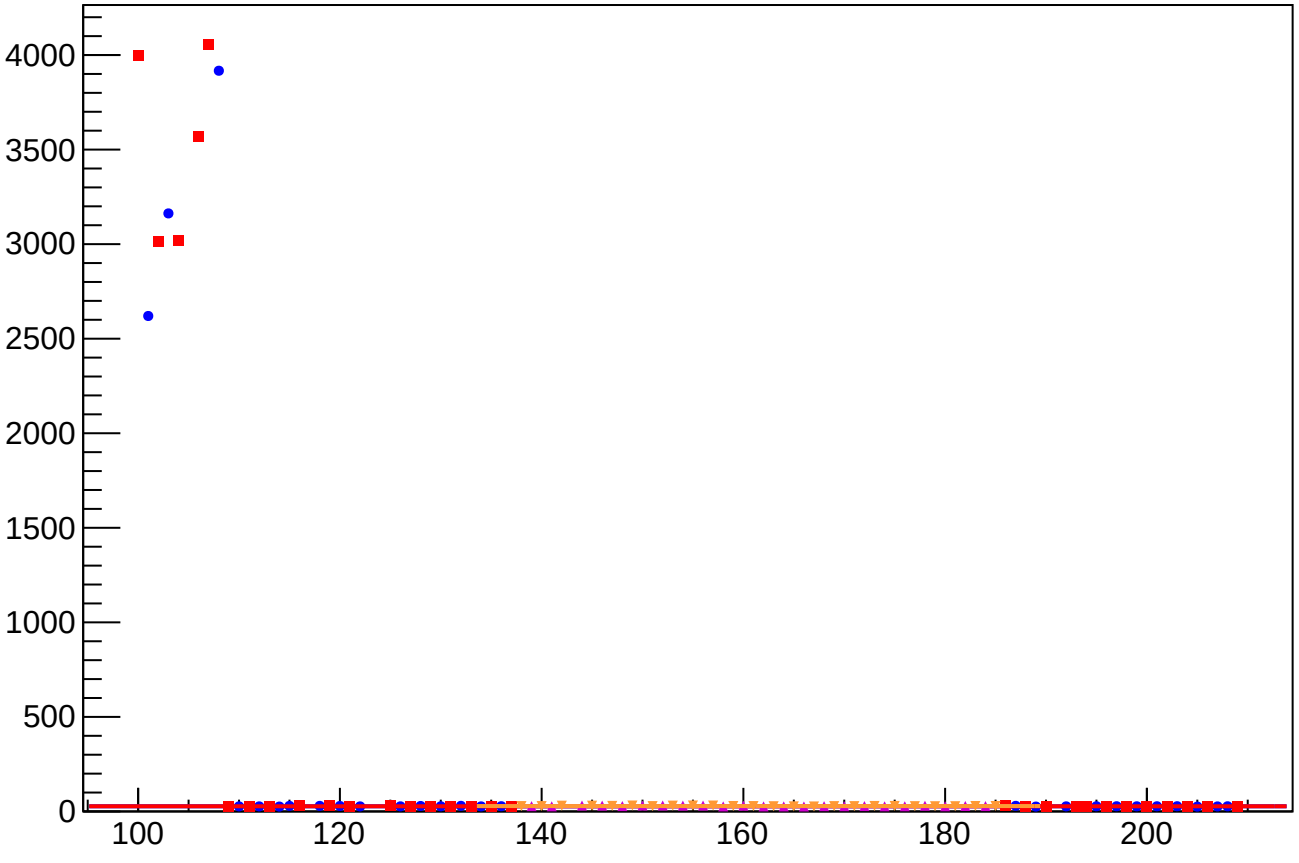
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -8.265+/-4.904 χ^2/NDF: 46.8/50

All: -6.885+/-3.463 χ^2/NDF: 102.6/103

- sign -5.512+/-4.890 χ^2/NDF: 55.6/52

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.360+/-0.005 χ^2/NDF: 3591095.4/29

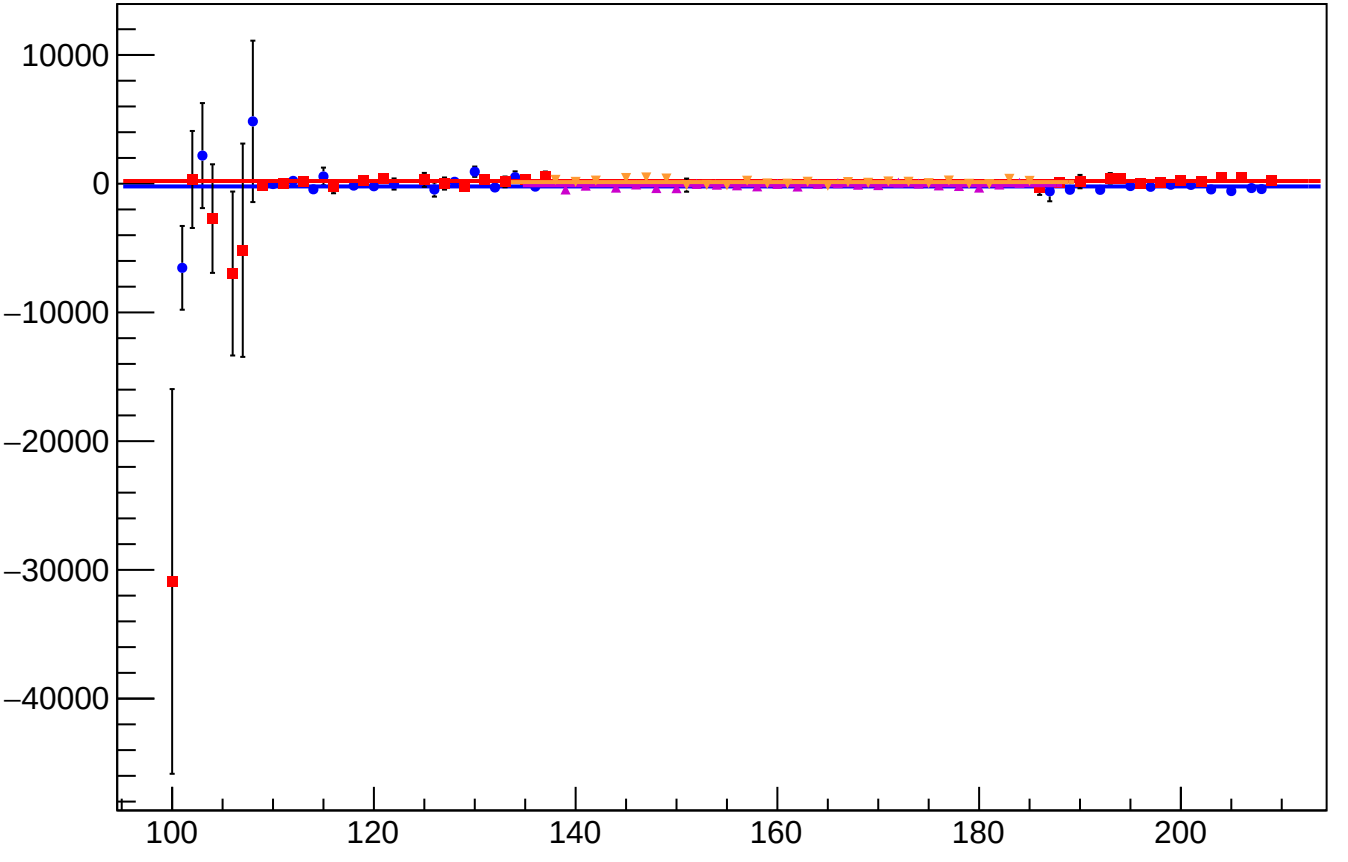
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 28.012+/-0.003 χ^2/NDF: 3399093.9/50

All: 28.047+/-0.002 χ^2/NDF: 7156745.1/103

- sign 28.082+/-0.003 χ^2/NDF: 3757445.0/52

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 208.852+/-46.401 χ^2/NDF: 23.3/29

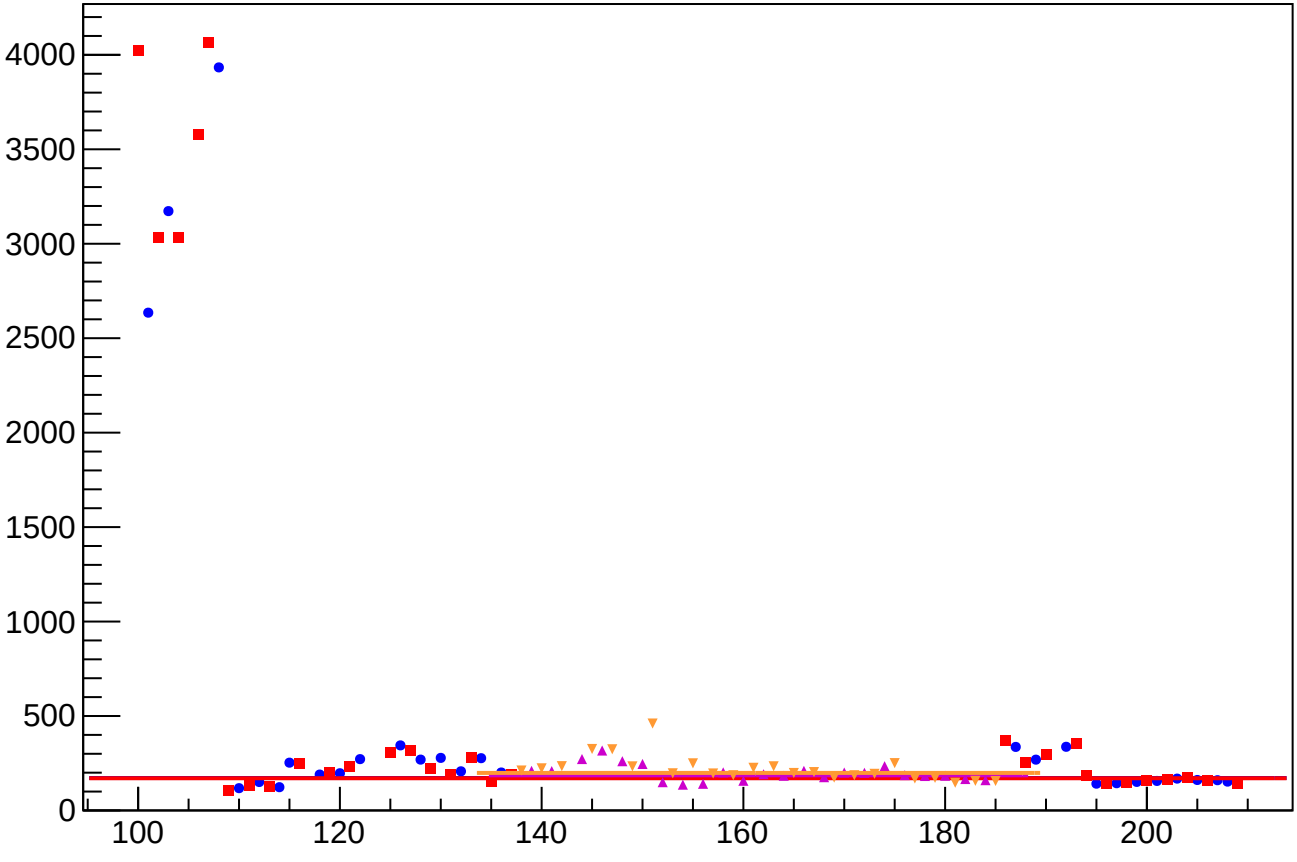
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -45.496+/-33.636 χ^2/NDF: 71.1/50

All: -1.809+/-23.326 χ^2/NDF: 131.8/103

- sign 38.670+/-32.377 χ^2/NDF: 57.5/52

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 170.558+/-0.033 χ^2/NDF: 5404237.8/29

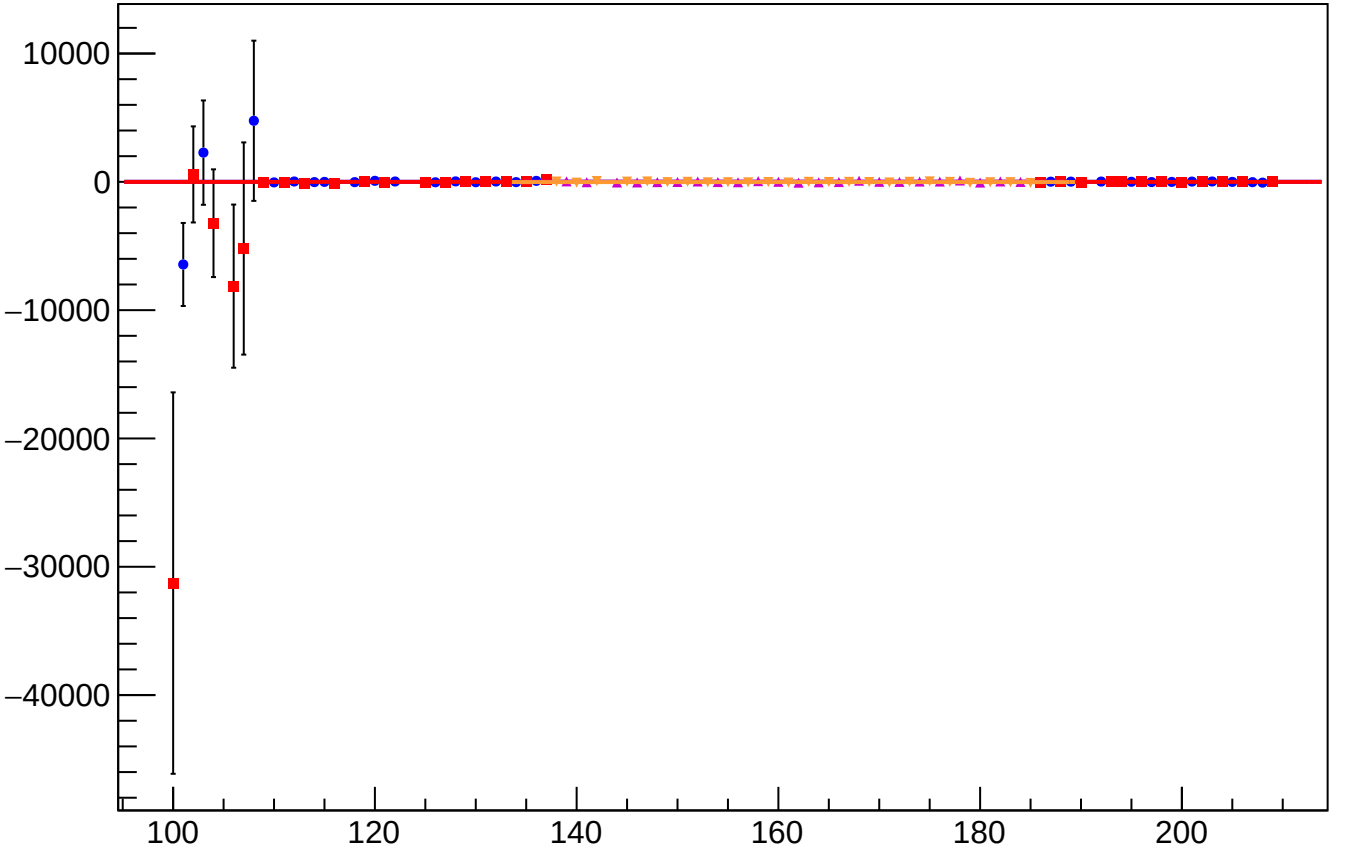
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.063+/-0.024 χ^2/NDF: 6976512.0/50

All: 181.613+/-0.016 χ^2/NDF: 13938607.5/10

- sign 178.415+/-0.023 χ^2/NDF: 6921542.4/52

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -3.796+/-7.865 χ^2/NDF: 38.8/29

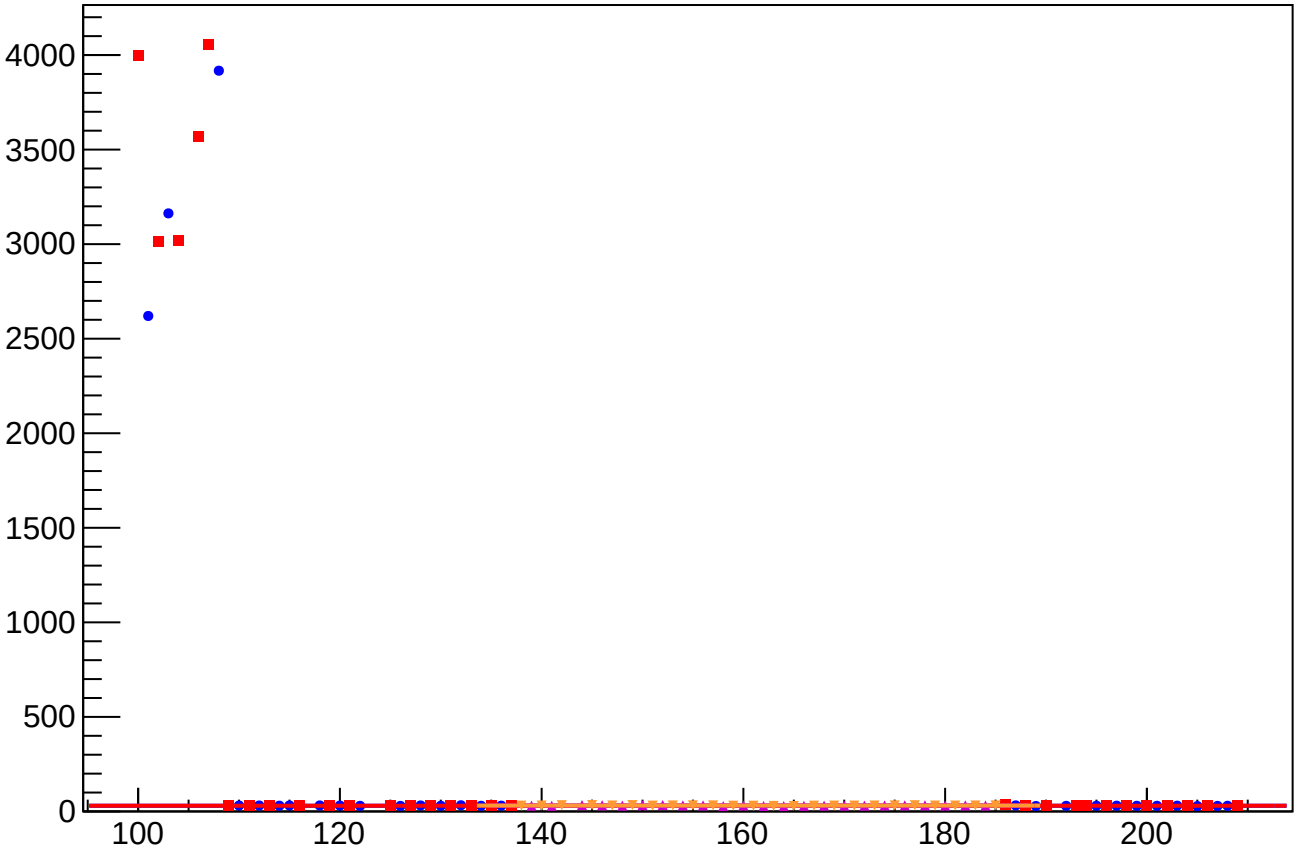
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.464+/-5.381 χ^2/NDF: 46.9/50

All: -4.384+/-3.801 χ^2/NDF: 122.8/103

- sign -0.322+/-5.369 χ^2/NDF: 74.7/52

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.261+/-0.006 χ^2/NDF: 3563926.4/29

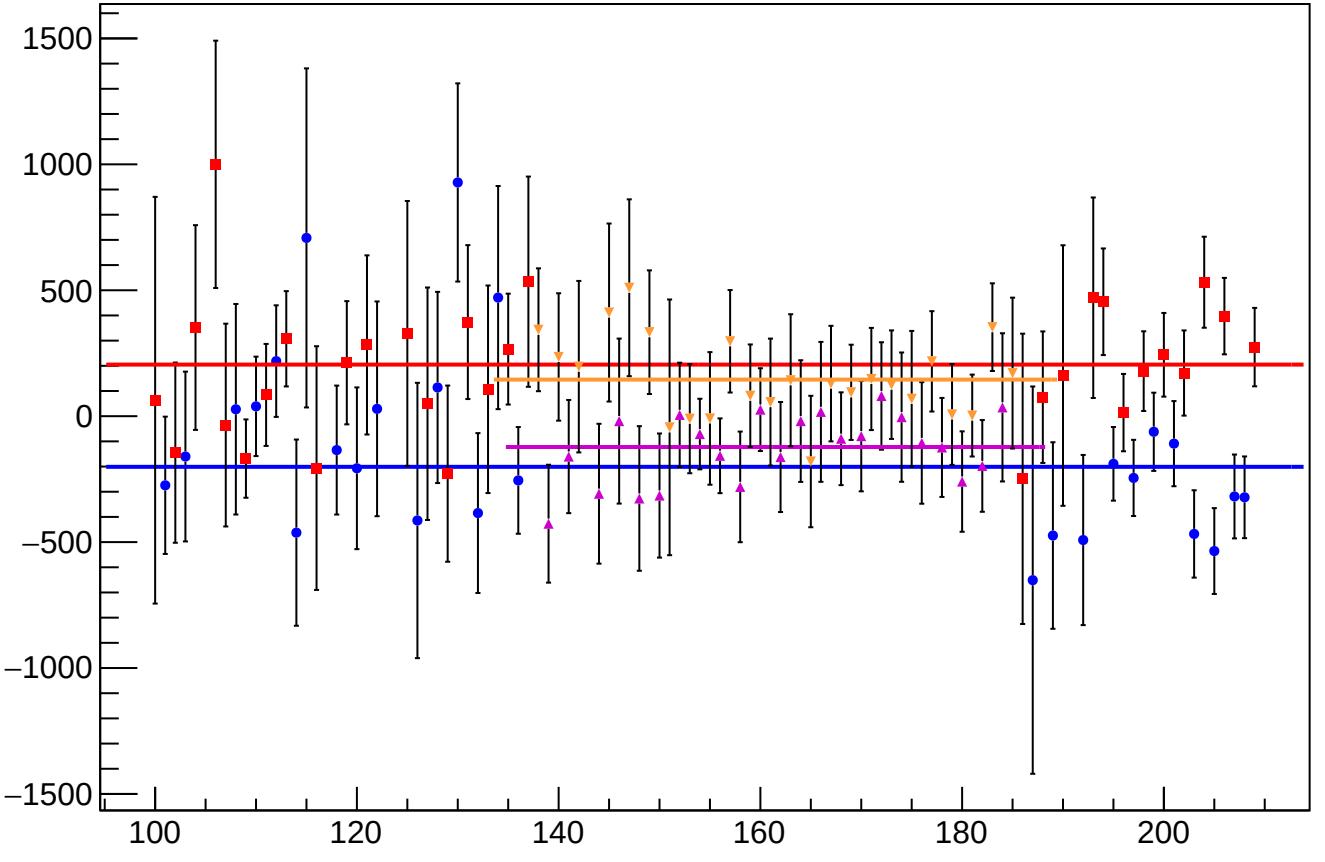
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.757+/-0.004 χ^2/NDF: 3339188.4/50

All: 30.808+/-0.003 χ^2/NDF: 7010283.3/103

- sign 30.858+/-0.004 χ^2/NDF: 3670740.2/52

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 204.810+/-43.577 χ^2/NDF: 23.5/29

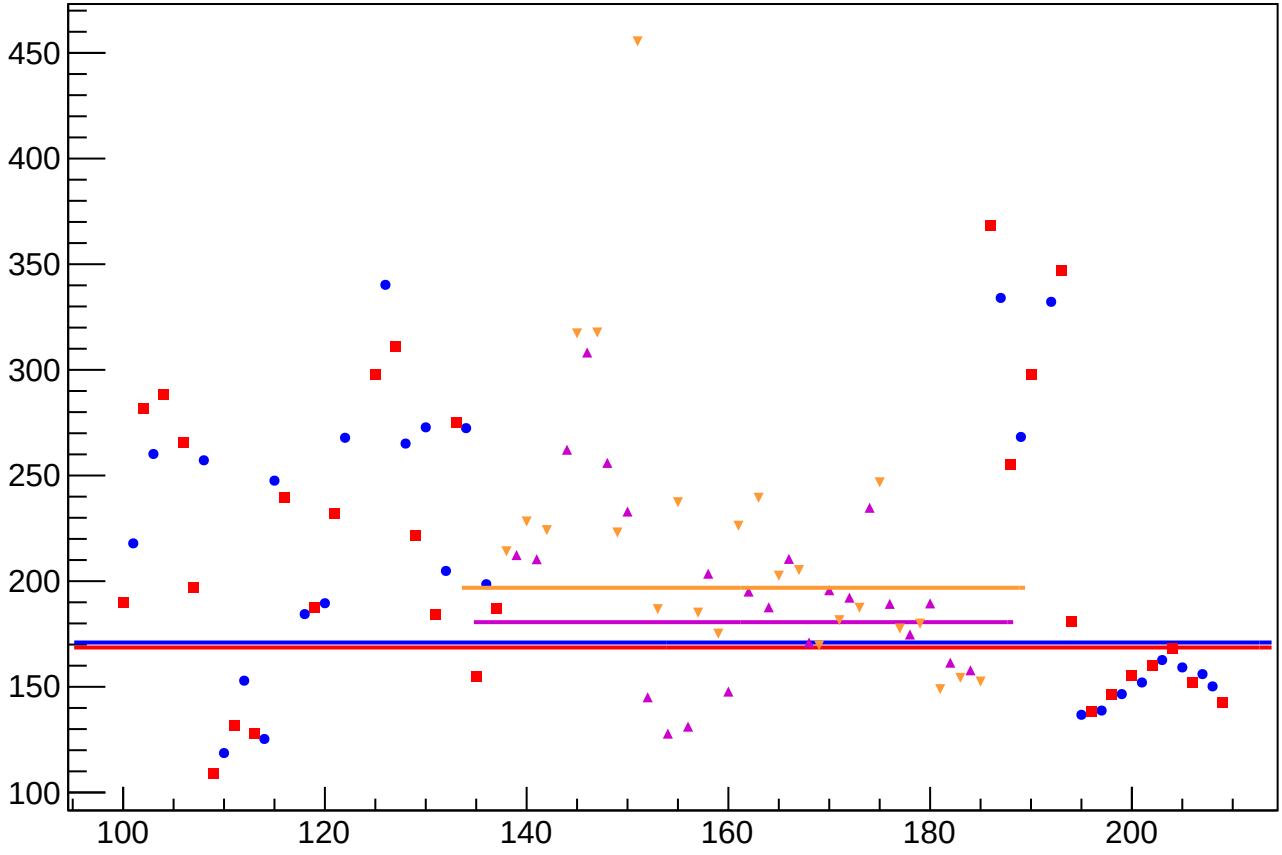
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -36.960+/-32.621 χ^2/NDF: 67.5/50

All: 5.120+/-22.468 χ^2/NDF: 129.9/103

\- sign 43.099+/-30.990 χ^2/NDF: 59.2/52

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 168.616+/-0.031 χ^2/NDF: 2751931.9/29

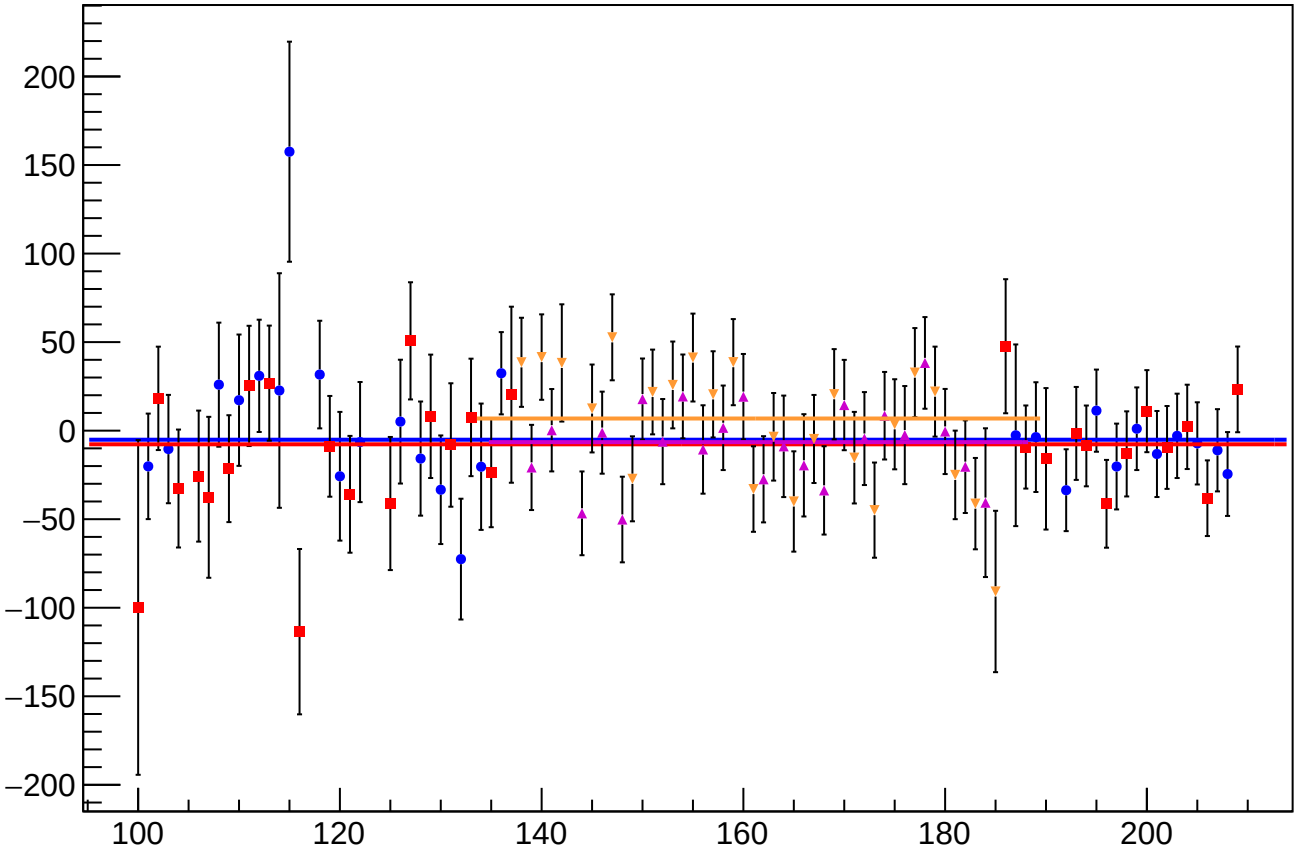
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

\+ sign 183.245+/-0.023 χ^2/NDF: 4281178.9/50

All: 178.670+/-0.016 χ^2/NDF: 8810819.8/103

\- sign 174.540+/-0.022 χ^2/NDF: 4454777.1/52

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.708+/-5.440 χ^2/NDF: 24.7/29

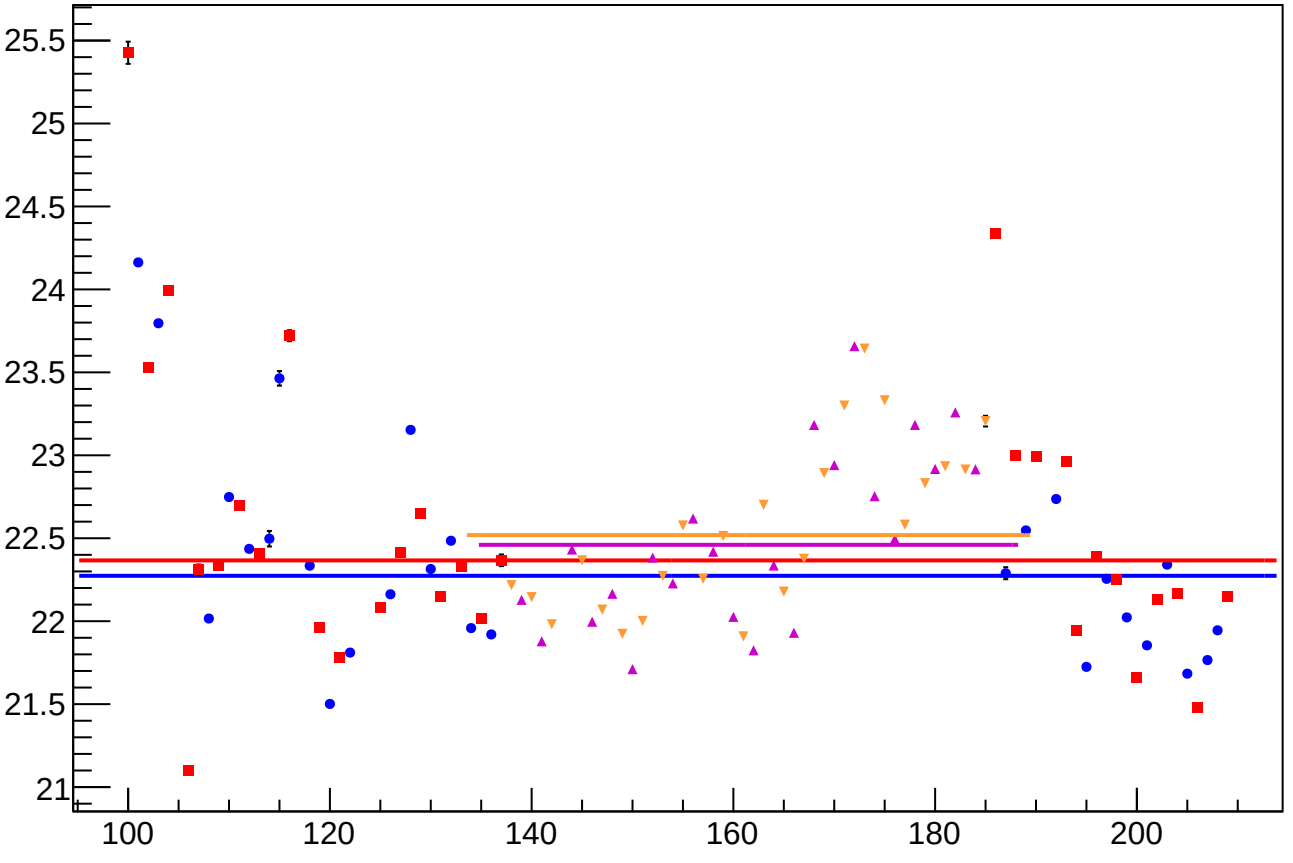
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 1.277+/-3.821 χ^2/NDF: 61.9/50

All: -2.947+/-2.686 χ^2/NDF: 106.5/103

- sign -7.073+/-3.776 χ^2/NDF: 42.1/52

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.366+/-0.004 χ^2/NDF: 30828.1/29

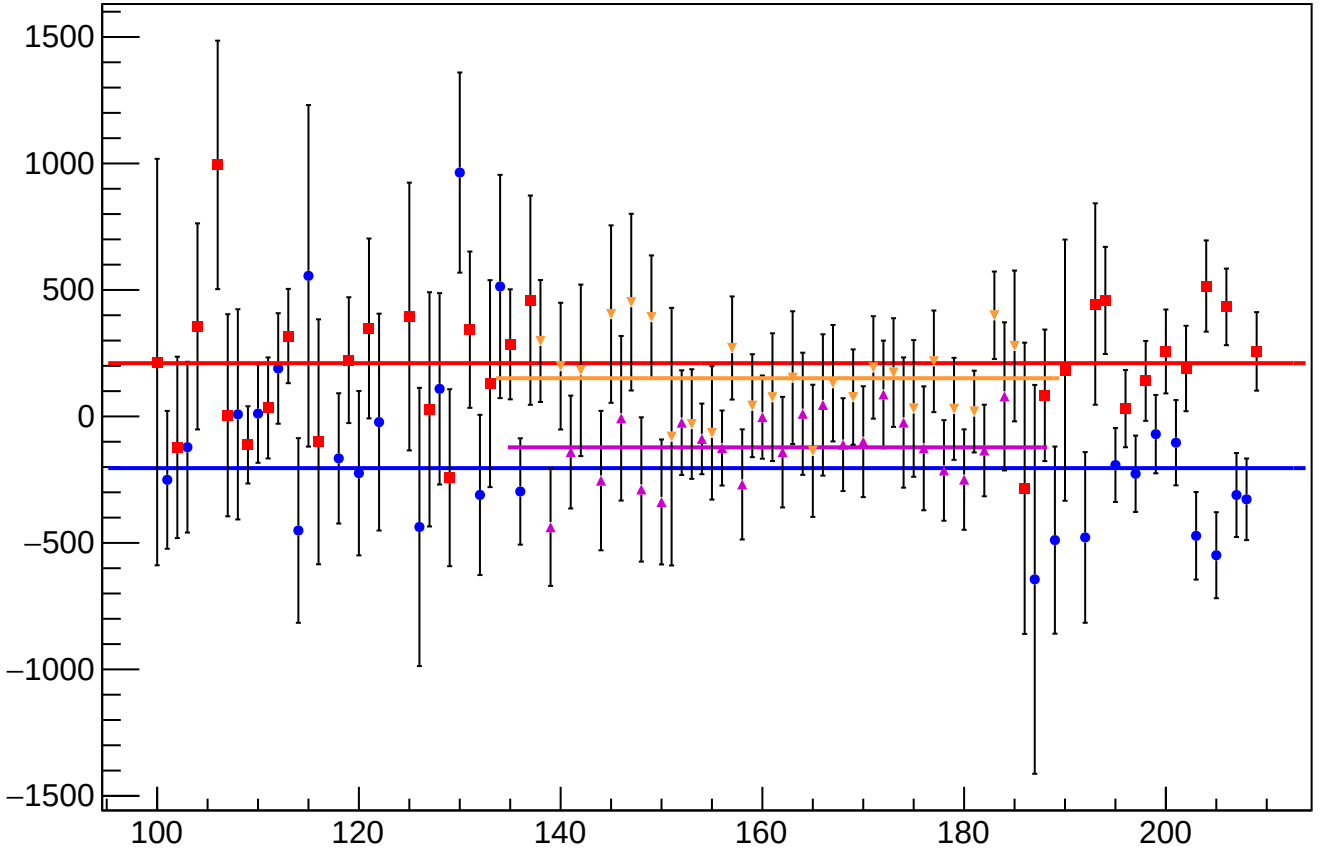
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.405+/-0.003 χ^2/NDF: 41338.1/50

All: 22.410+/-0.002 χ^2/NDF: 91598.7/103

\- sign 22.415+/-0.003 χ^2/NDF: 50253.1/52

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 210.600+/-43.389 χ^2/NDF: 22.1/29

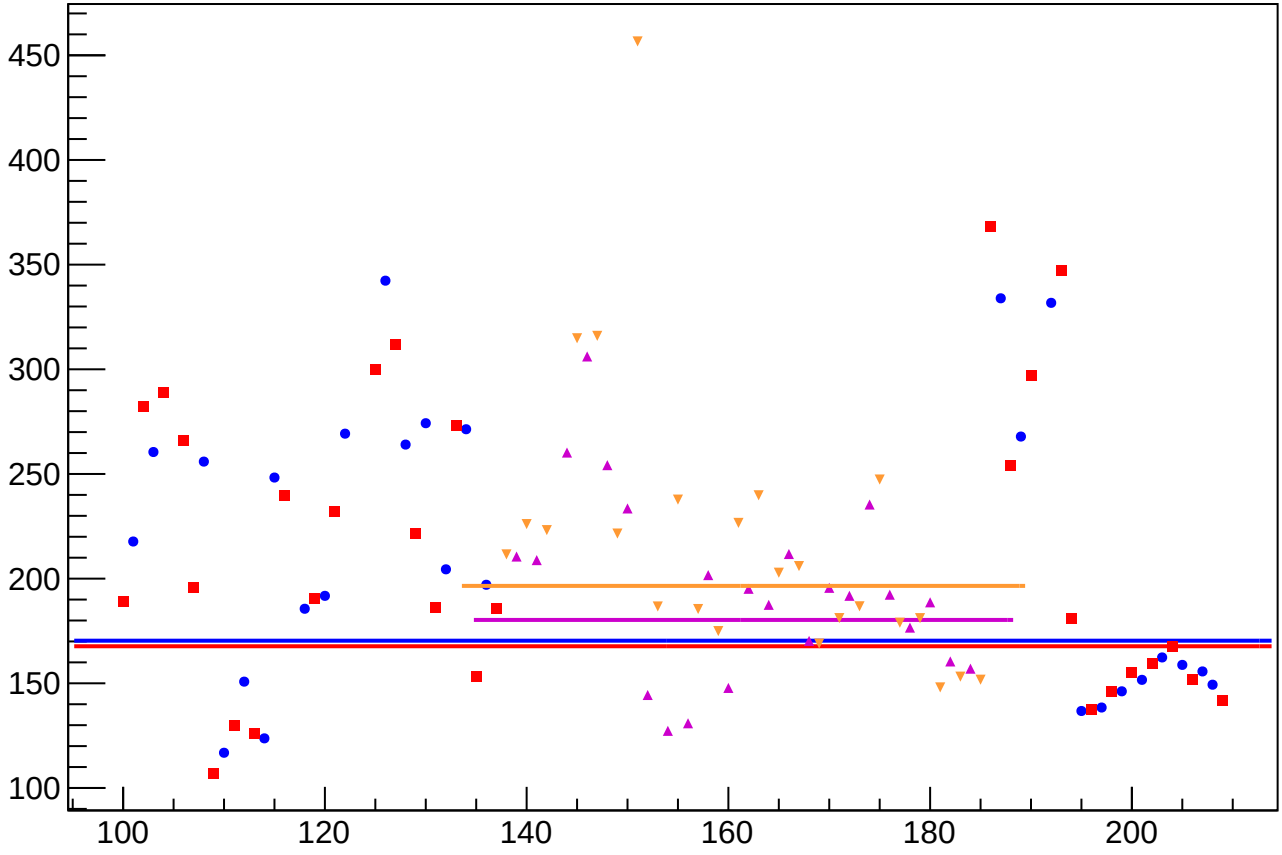
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -36.190+/-32.544 χ^2/NDF: 69.2/50

All: 7.338+/-22.407 χ^2/NDF: 131.2/103

- sign 46.569+/-30.896 χ^2/NDF: 58.6/52

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 167.695+/-0.031 χ^2/NDF: 2819022.8/29

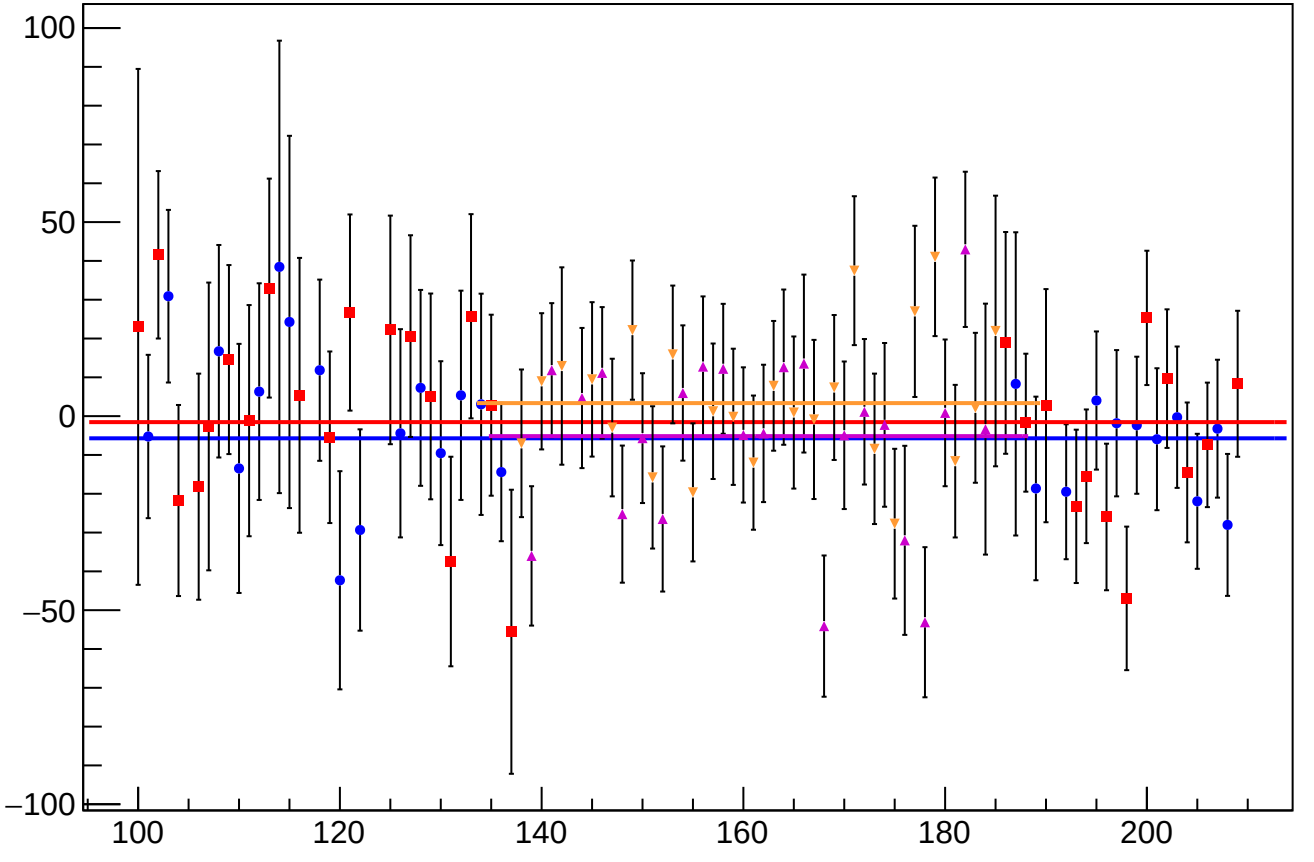
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 182.741+/-0.023 χ^2/NDF: 4322633.0/50

All: 178.089+/-0.016 χ^2/NDF: 8926901.3/103

- sign 173.896+/-0.022 χ^2/NDF: 4526569.5/52

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.542+/-4.178 χ^2/NDF: 28.7/29

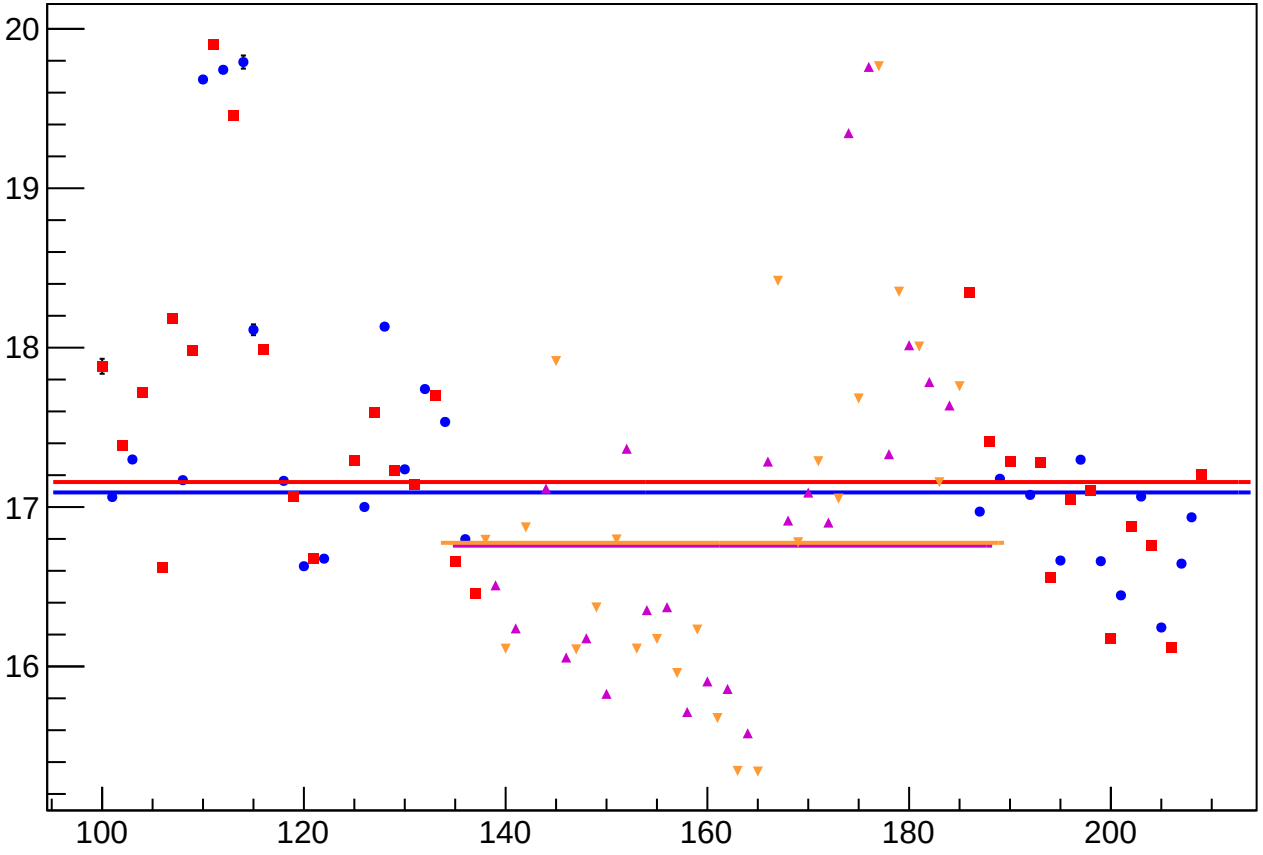
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.740+/-2.891 χ^2/NDF: 32.5/50

All: -2.114+/-2.033 χ^2/NDF: 94.3/103

- sign -3.459+/-2.860 χ^2/NDF: 61.4/52

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.157+/-0.003 χ^2/NDF: 64039.0/29

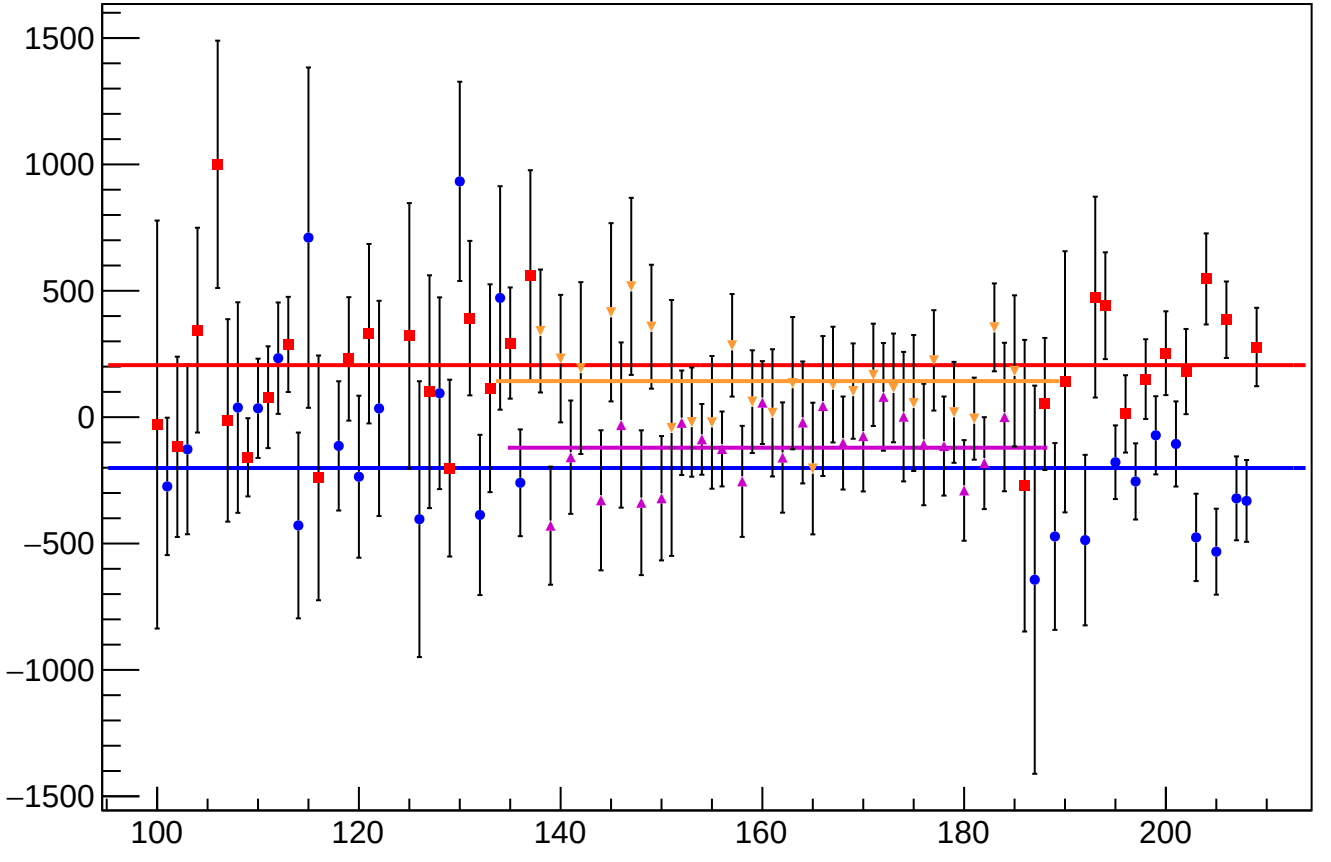
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.919+/-0.002 χ^2/NDF: 196562.5/50

All: 16.932+/-0.001 χ^2/NDF: 393689.2/103

\- sign 16.945+/-0.002 χ^2/NDF: 197042.6/52

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 205.822+/-43.446 χ^2/NDF: 23.6/29

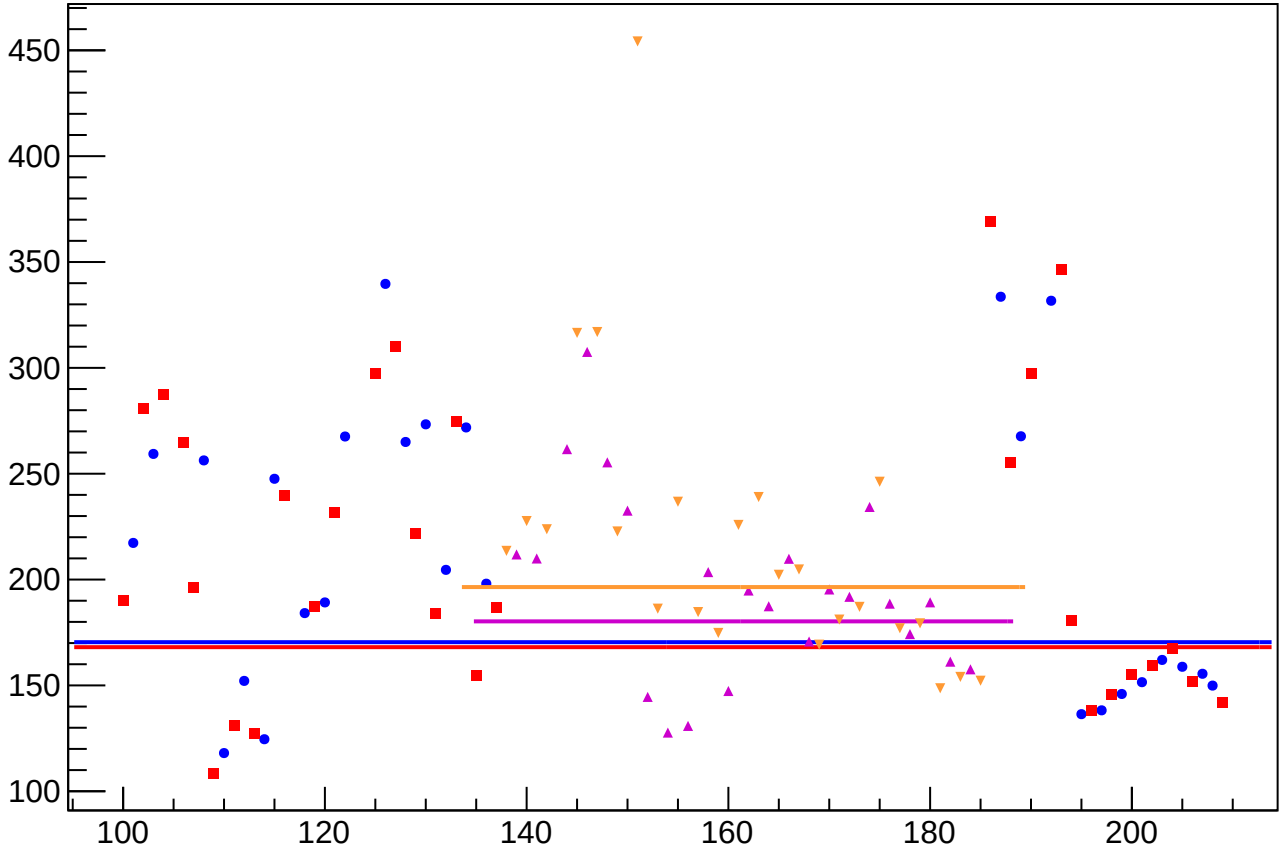
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -38.382+/-32.535 χ^2/NDF: 68.4/50

All: 5.185+/-22.410 χ^2/NDF: 131.6/103

- sign 44.516+/-30.913 χ^2/NDF: 59.8/52

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 168.064+/-0.031 χ^2/NDF: 2769067.0/29

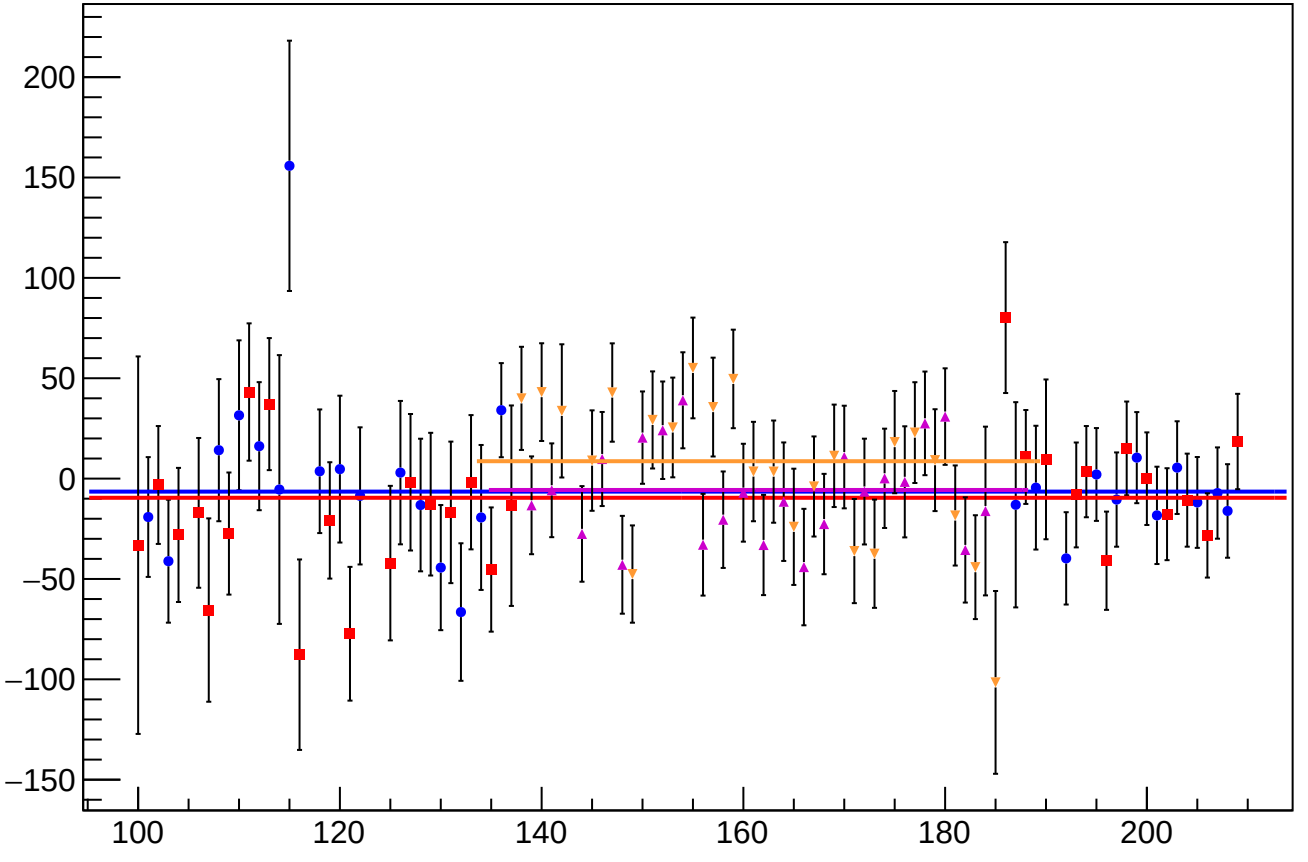
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 182.743+/-0.023 χ^2/NDF: 4296775.8/50

All: 178.190+/-0.016 χ^2/NDF: 8845812.1/103

- sign 174.079+/-0.022 χ^2/NDF: 4474504.5/52

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.554+/-5.424 χ^2/NDF: 28.2/29

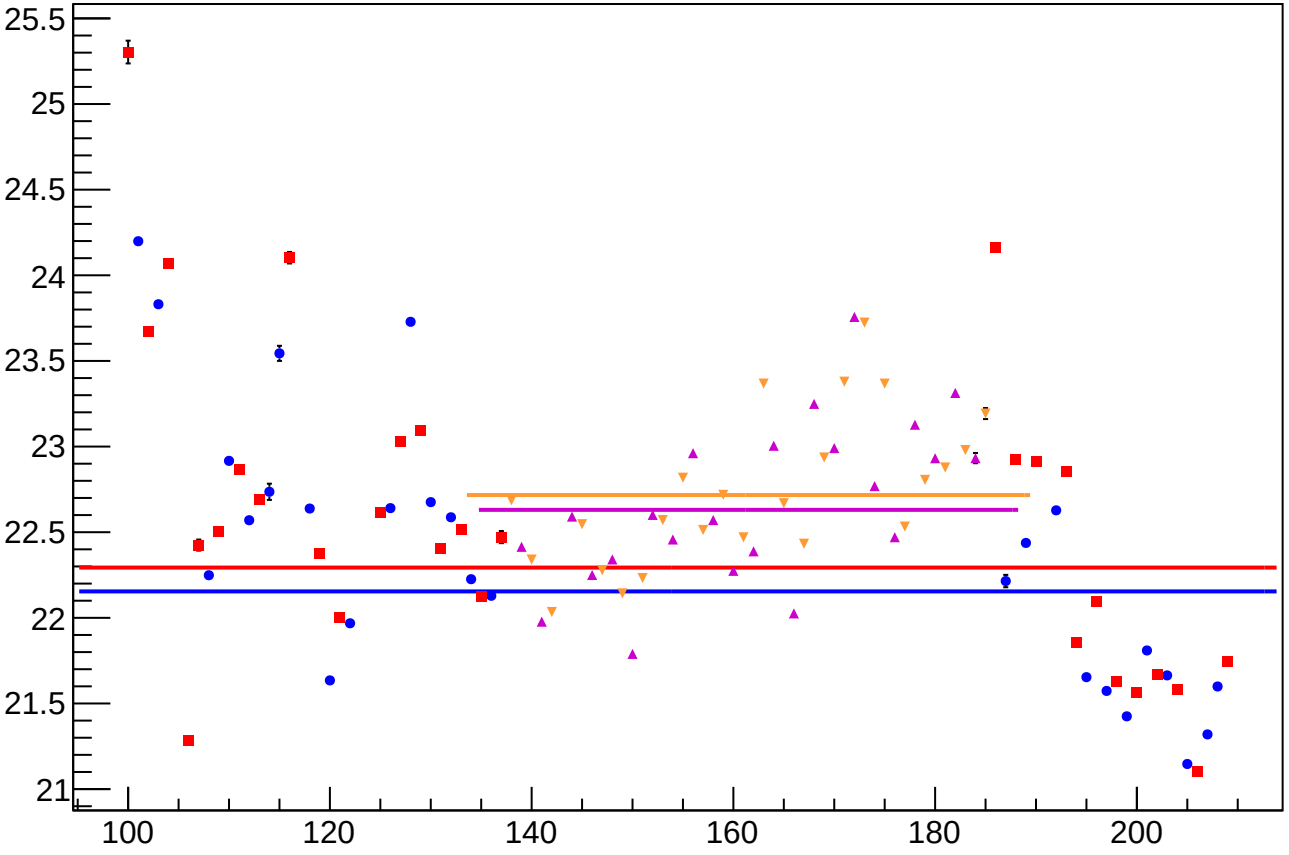
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.503+/-3.830 χ^2/NDF: 64.7/50

All: -3.081+/-2.692 χ^2/NDF: 116.8/103

- sign -7.561+/-3.786 χ^2/NDF: 49.2/52

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.294+/-0.004 χ^2/NDF: 43026.5/29

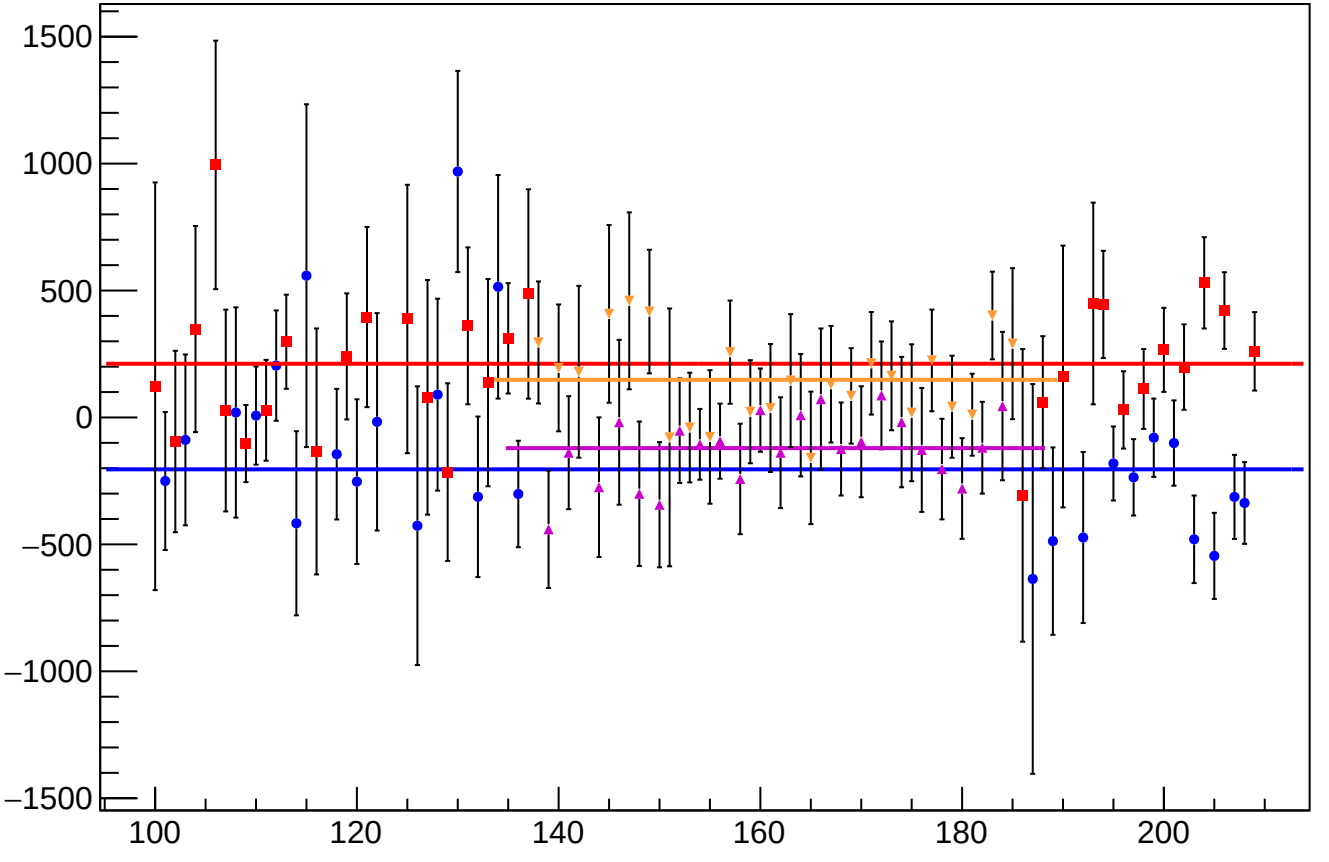
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.451+/-0.003 χ^2/NDF: 61757.6/50

All: 22.459+/-0.002 χ^2/NDF: 124152.3/103

- sign 22.466+/-0.003 χ^2/NDF: 62378.1/52

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 211.590+/-43.256 χ^2/NDF: 22.2/29

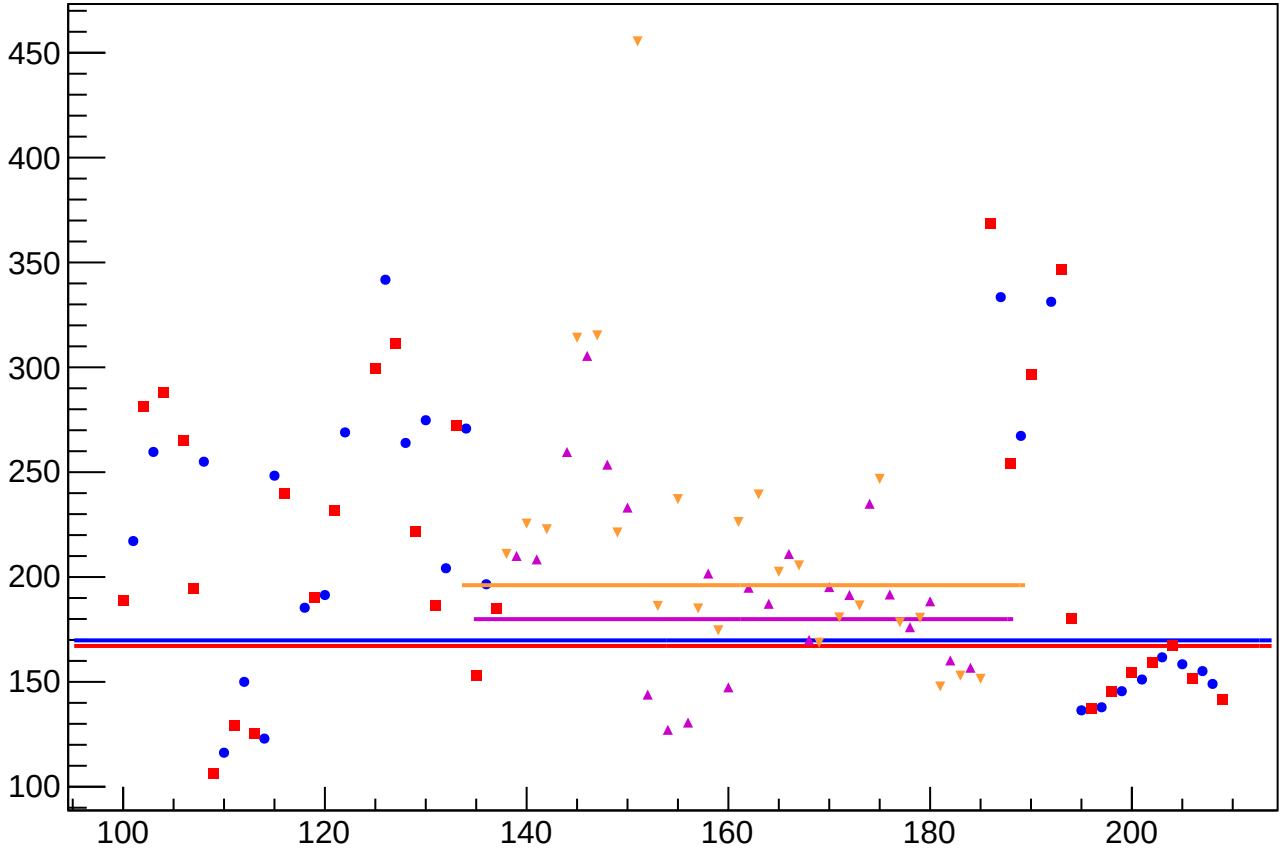
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -37.638+/-32.458 χ^2/NDF: 70.3/50

All: 7.369+/-22.349 χ^2/NDF: 133.2/103

- sign 47.945+/-30.819 χ^2/NDF: 59.2/52

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 167.136+/-0.031 χ^2/NDF: 2836984.2/29

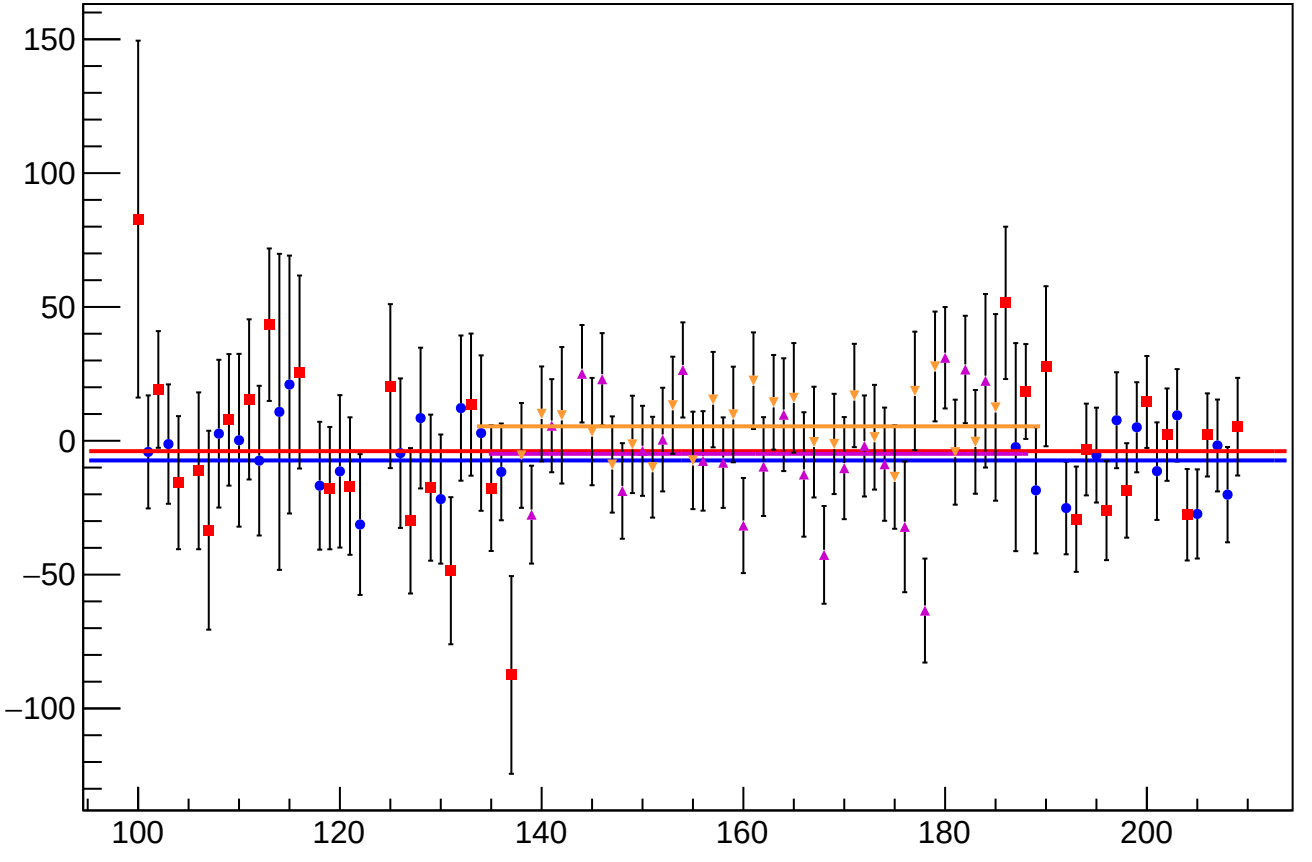
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.236+/-0.023 χ^2/NDF: 4338908.2/50

All: 177.606+/-0.016 χ^2/NDF: 8963459.8/103

- sign 173.432+/-0.022 χ^2/NDF: 4547186.2/52

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.878+/-4.149 χ^2/NDF: 32.7/29

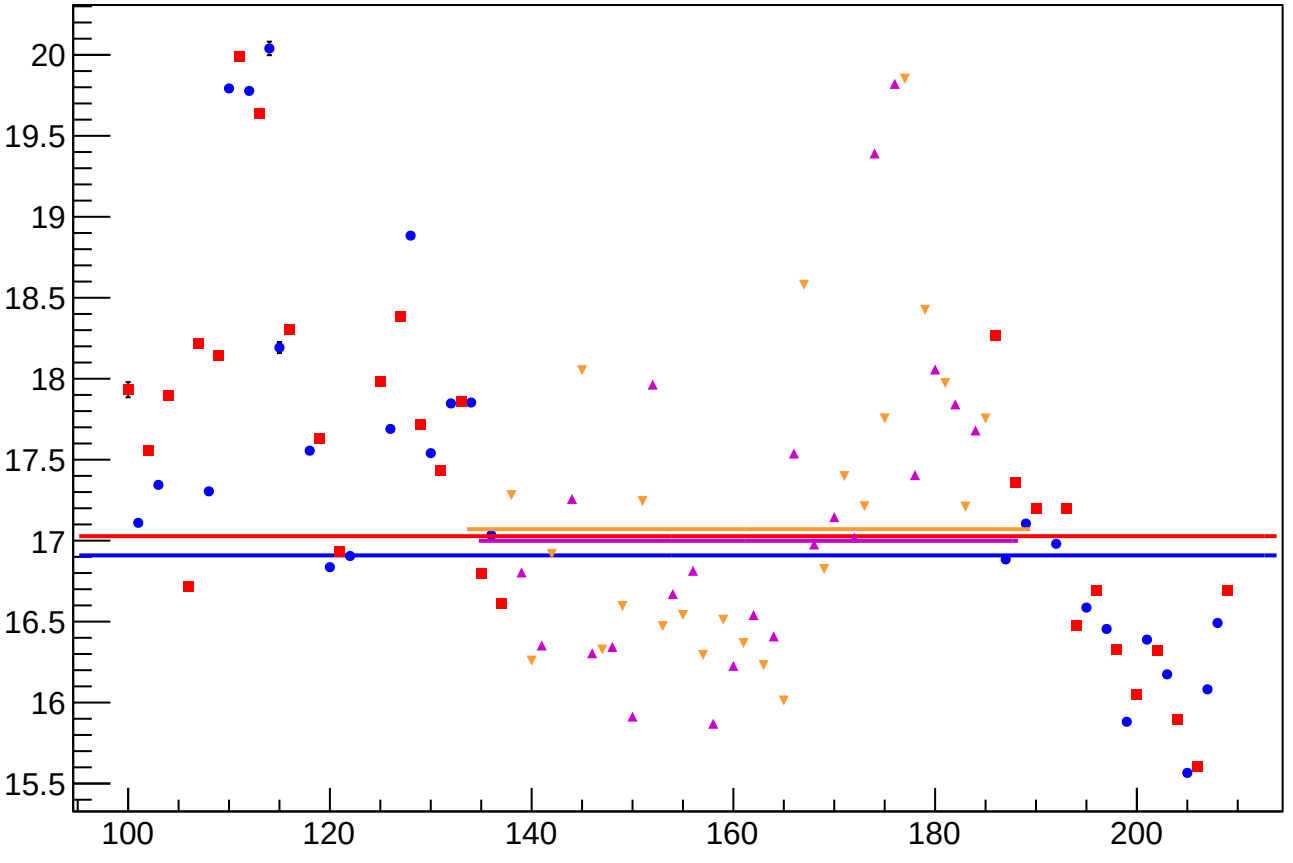
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign -0.526+/-2.904 χ^2/NDF: 21.4/50

All: -2.479+/-2.042 χ^2/NDF: 90.5/103

- sign -4.388+/-2.872 χ^2/NDF: 68.2/52

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.028+/-0.003 χ^2/NDF: 108476.9/29

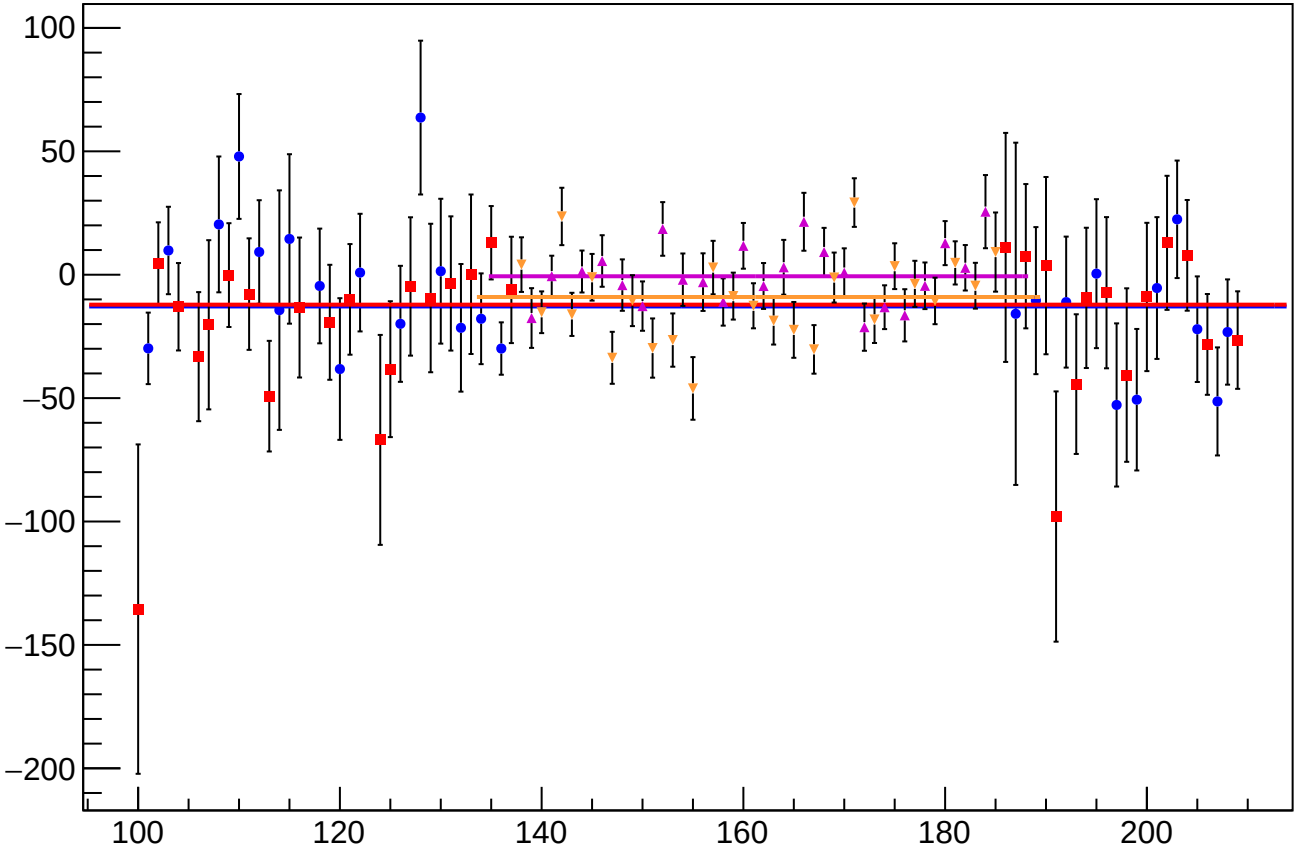
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.995+/-0.002 χ^2/NDF: 197145.1/50

All: 17.004+/-0.001 χ^2/NDF: 409728.0/103

- sign 17.013+/-0.002 χ^2/NDF: 212548.0/52

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -12.856+/-4.387 χ^2/NDF: 31.5/26

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -12.131+/-4.454 χ^2/NDF: 22.7/31

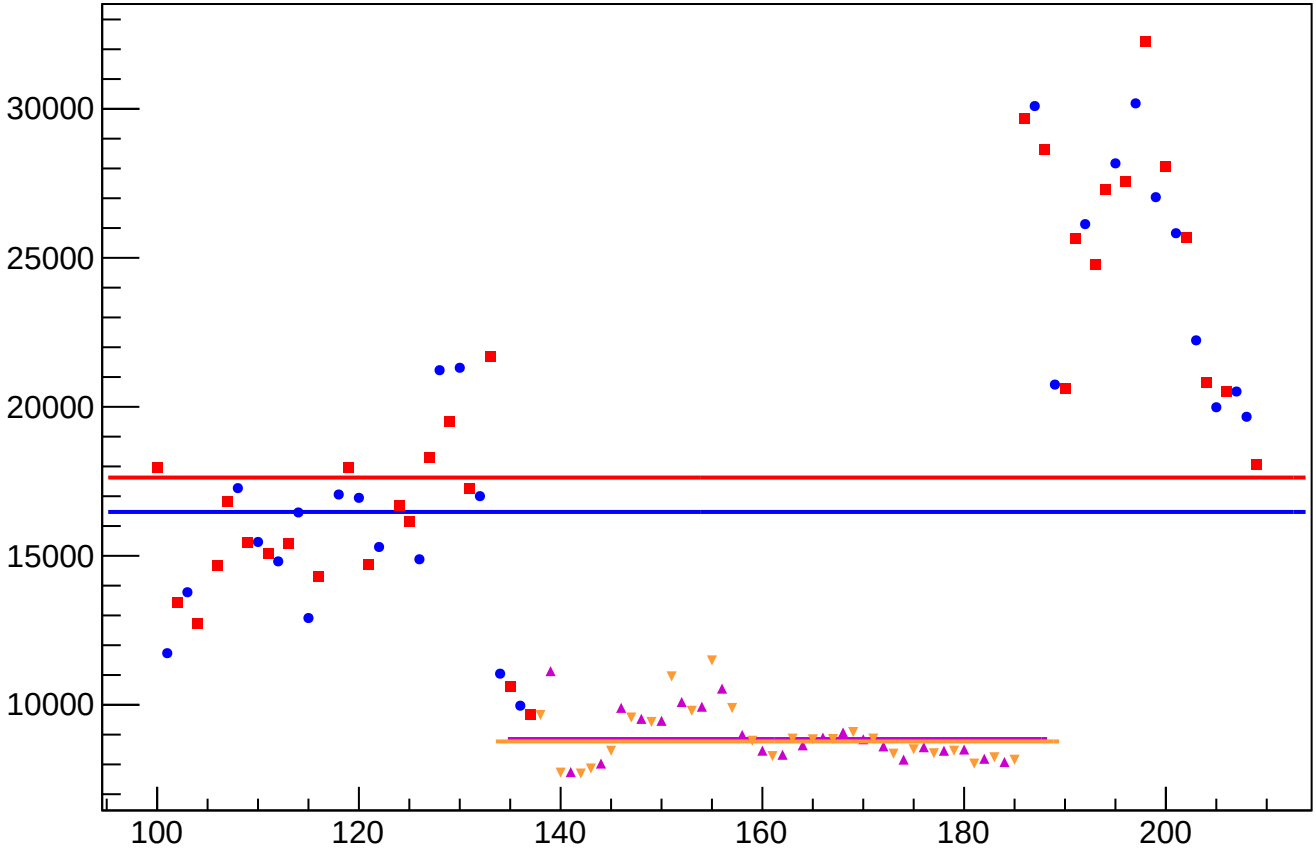
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.690+/-1.825 χ^2/NDF: 94.2/51

All: -6.300+/-1.311 χ^2/NDF: 159.0/106

- sign -2.686+/-1.884 χ^2/NDF: 57.7/54

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16472.560+/-3.102 χ^2/NDF: 3137278.2/26

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17626.842+/-3.149 χ^2/NDF: 3093844.6/31

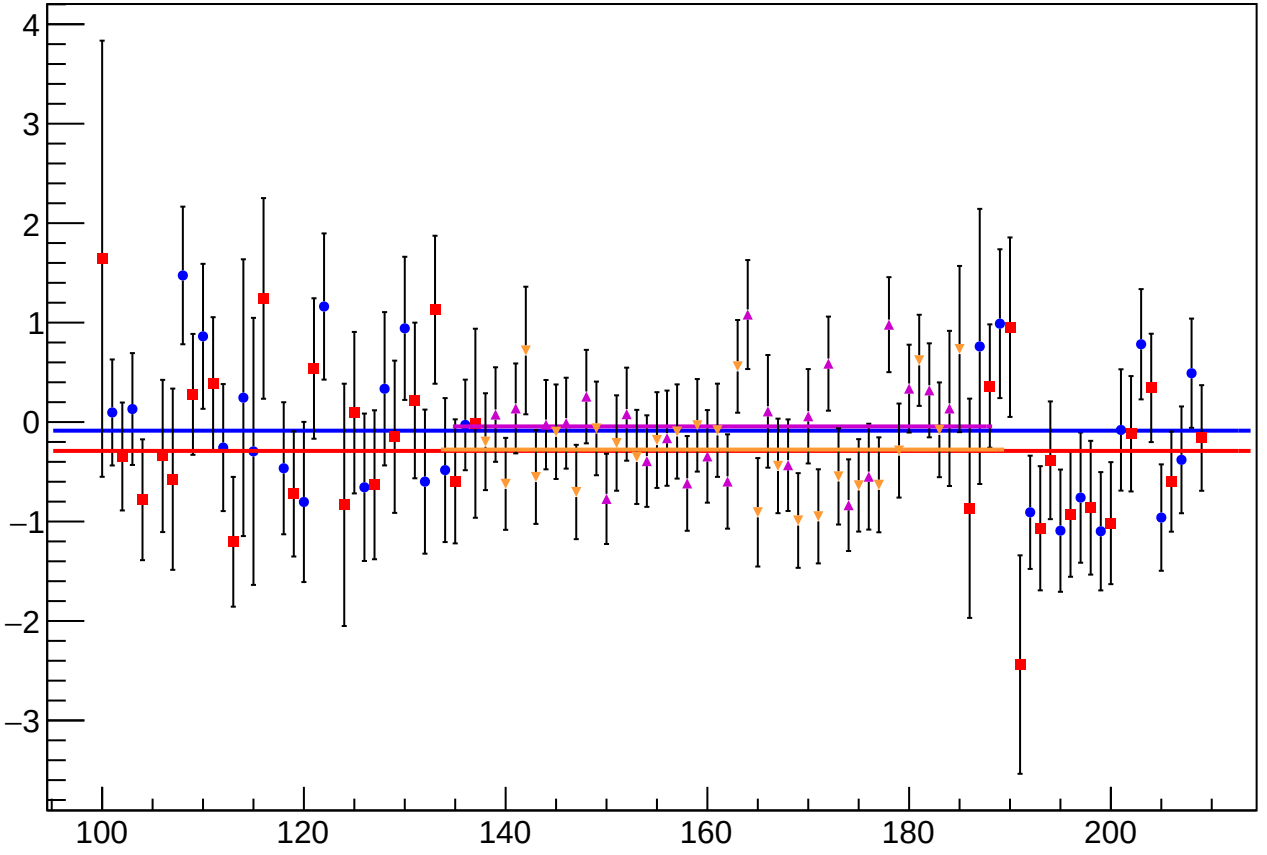
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10102.977+/-1.290 χ^2/NDF: 8581752.2/51

All: 10257.782+/-0.927 χ^2/NDF: 18377742.5

- sign 10422.840+/-1.332 χ^2/NDF: 9766243.9/54

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.087+/-0.126 χ^2/NDF: 32.6/26

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.290+/-0.122 χ^2/NDF: 28.3/31

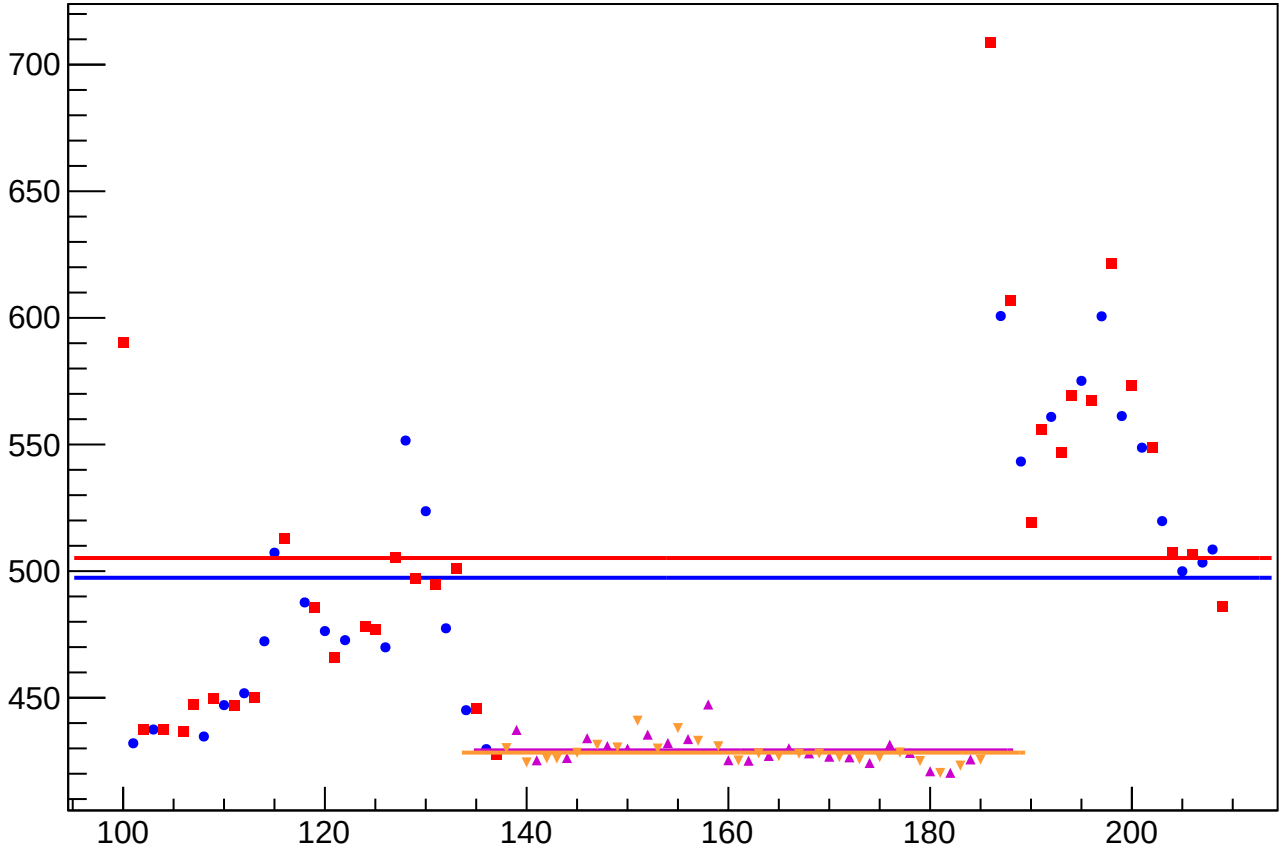
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.205+/-0.077 χ^2/NDF: 55.1/51

All: -0.174+/-0.055 χ^2/NDF: 110.0/106

- sign -0.143+/-0.077 χ^2/NDF: 54.6/54

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 497.377+/-0.089 χ^2/NDF: 332129.3/26

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.180+/-0.086 χ^2/NDF: 449795.0/31

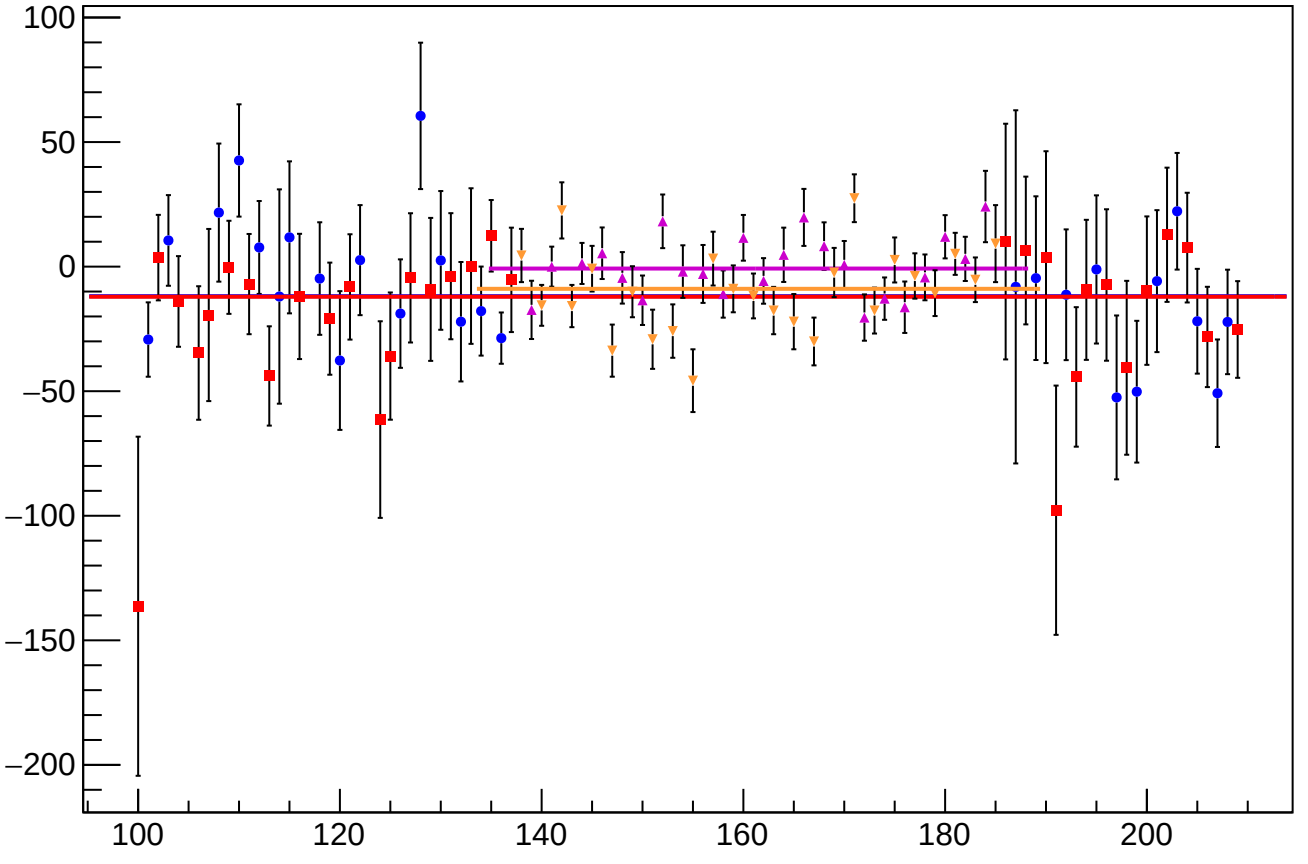
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 454.224+/-0.054 χ^2/NDF: 713543.9/51

All: 456.979+/-0.039 χ^2/NDF: 1637120.5/106

- sign 459.774+/-0.055 χ^2/NDF: 918409.2/54

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -11.869+/-4.262 χ^2/NDF: 32.1/26

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

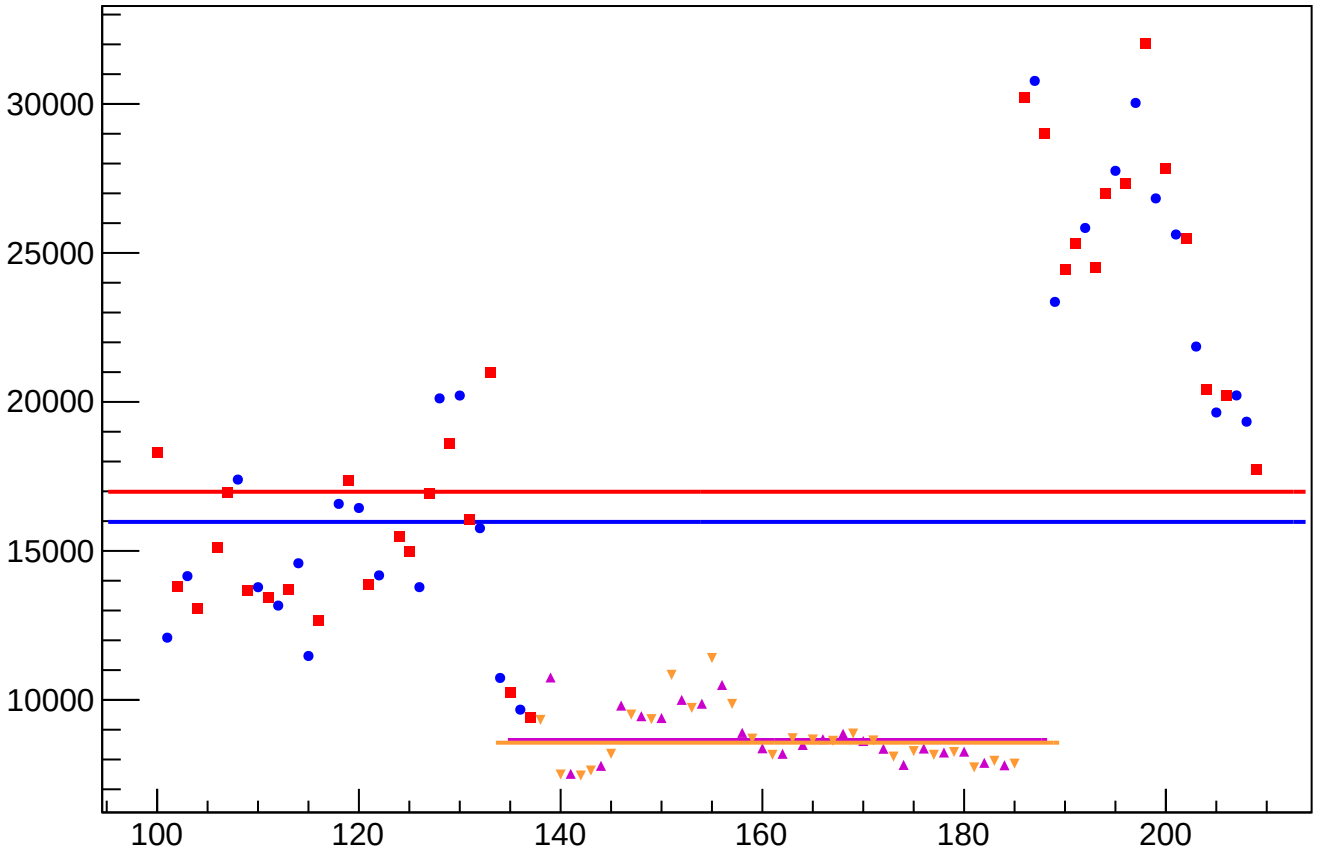
Right Out: -12.084+/-4.312 χ^2/NDF: 22.4/31

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.422+/-1.781 χ^2/NDF: 94.0/51

All: -6.232+/-1.280 χ^2/NDF: 158.0/106

- sign -2.831+/-1.840 χ^2/NDF: 57.3/54



Right In: 15973.896+/-3.014 χ^2/NDF: 3300097.5/26

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16985.229+/-3.049 χ^2/NDF: 3383095.4/31

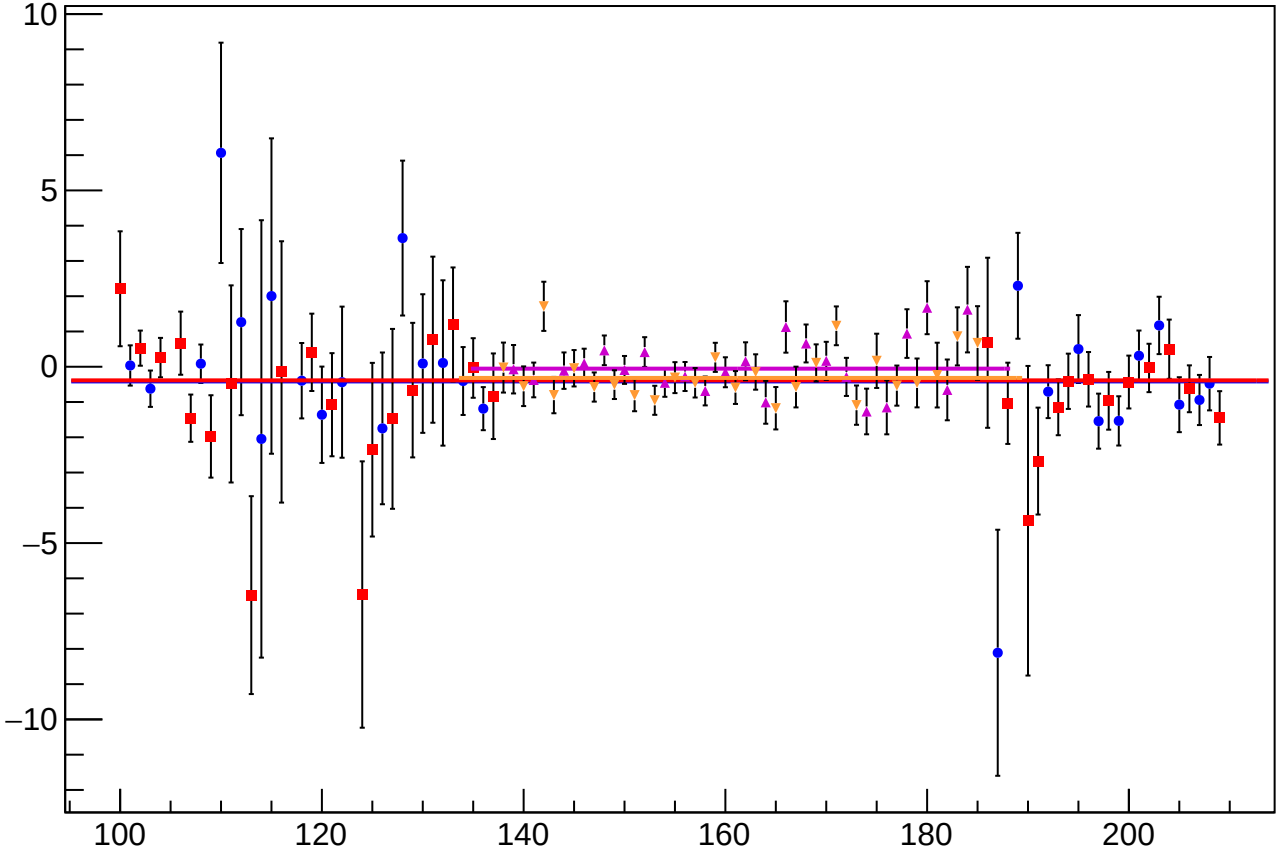
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9858.604+/-1.260 χ^2/NDF: 8688746.5/51

All: 10009.466+/-0.905 χ^2/NDF: 18553225.8

- sign 10170.341+/-1.301 χ^2/NDF: 9834839.2/54

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.416+/-0.175 χ^2/NDF: 32.7/26

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.386+/-0.172 χ^2/NDF: 32.0/31

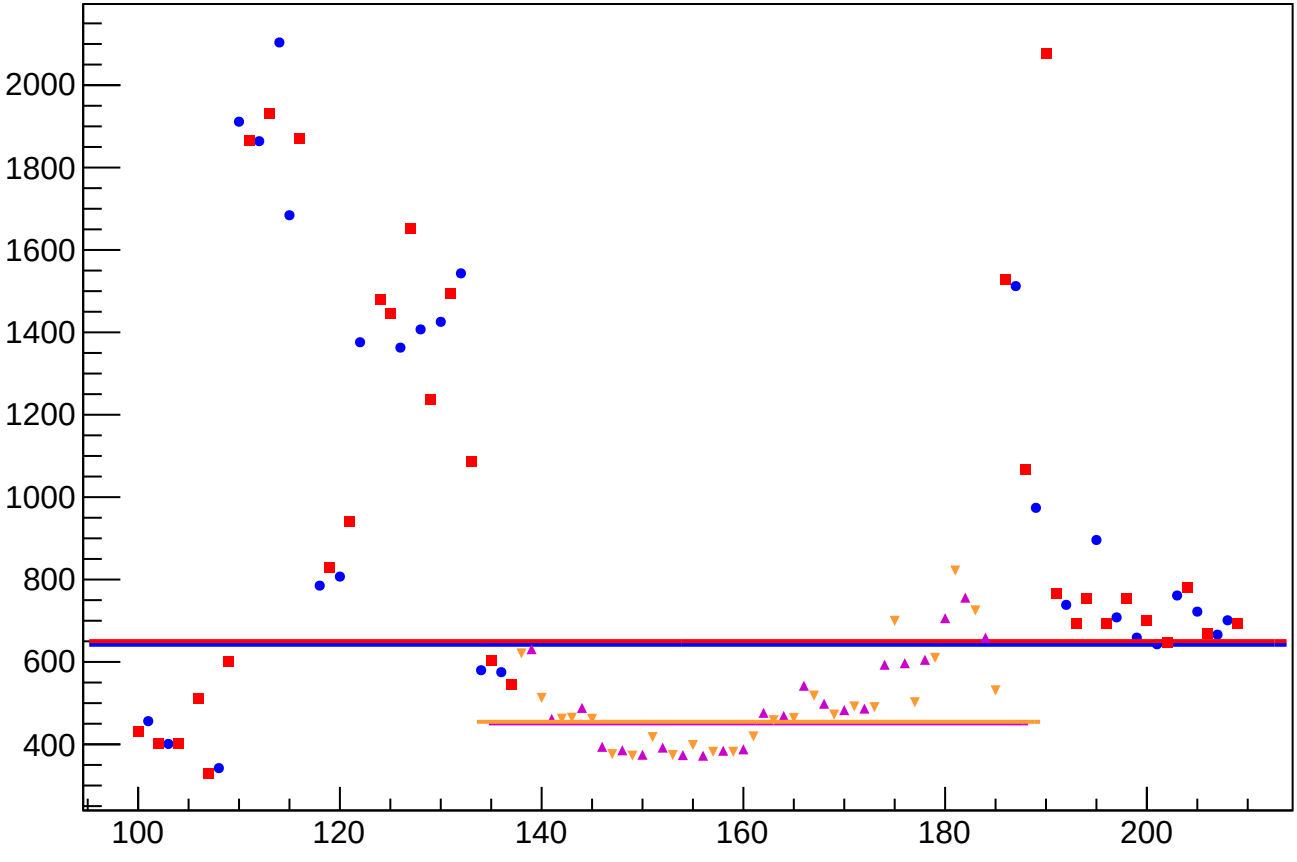
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.344+/-0.091 χ^2/NDF: 65.2/51

All: -0.247+/-0.064 χ^2/NDF: 131.9/106

- sign -0.148+/-0.092 χ^2/NDF: 64.4/54

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 641.705+/-0.124 χ^2/NDF: 4135792.2/26

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 650.579+/-0.121 χ^2/NDF: 4706684.4/31

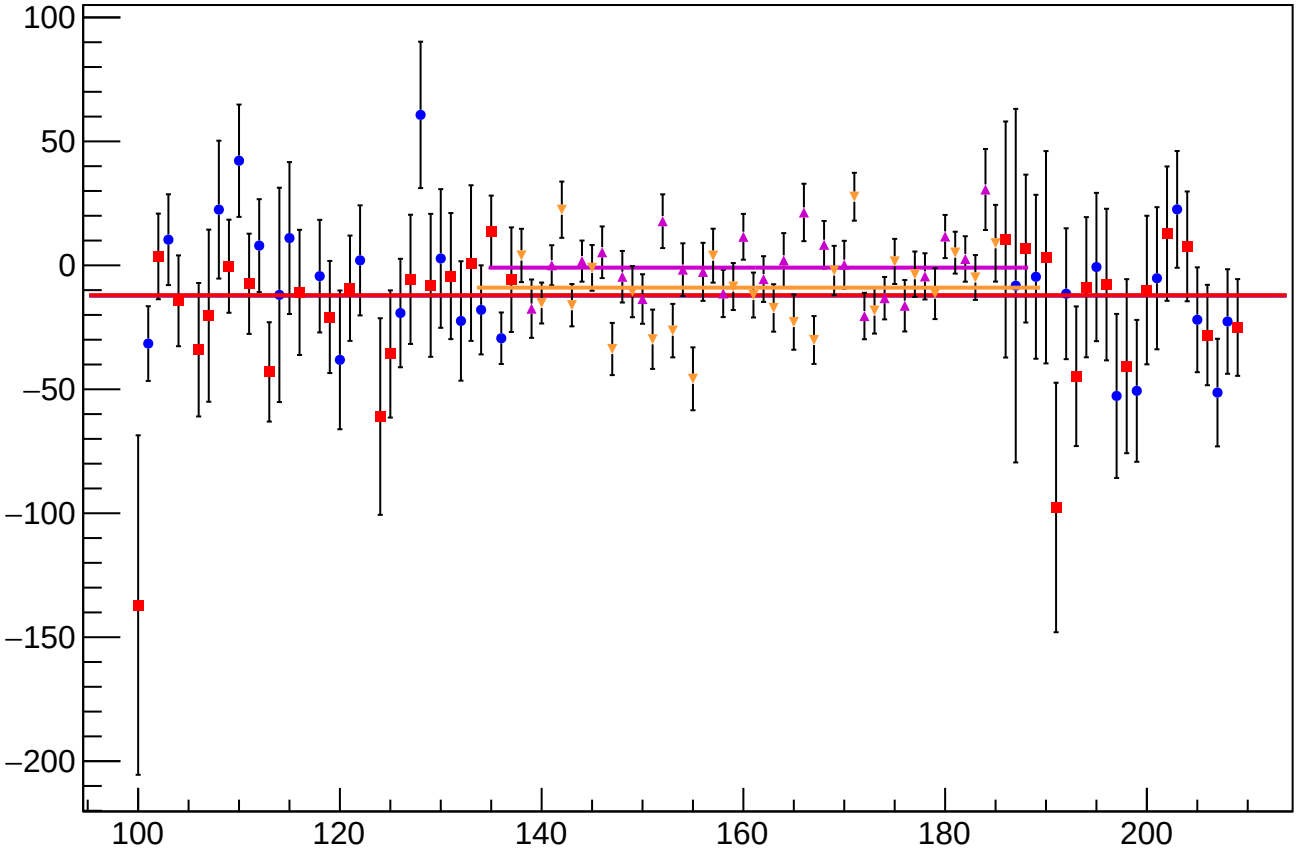
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 504.923+/-0.064 χ^2/NDF: 7259790.5/51

All: 506.179+/-0.046 χ^2/NDF: 15376171.0/10

- sign 507.459+/-0.065 χ^2/NDF: 8115605.0/54

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -12.198+/-4.290 χ^2/NDF: 32.6/26

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -12.069+/-4.341 χ^2/NDF: 22.2/31

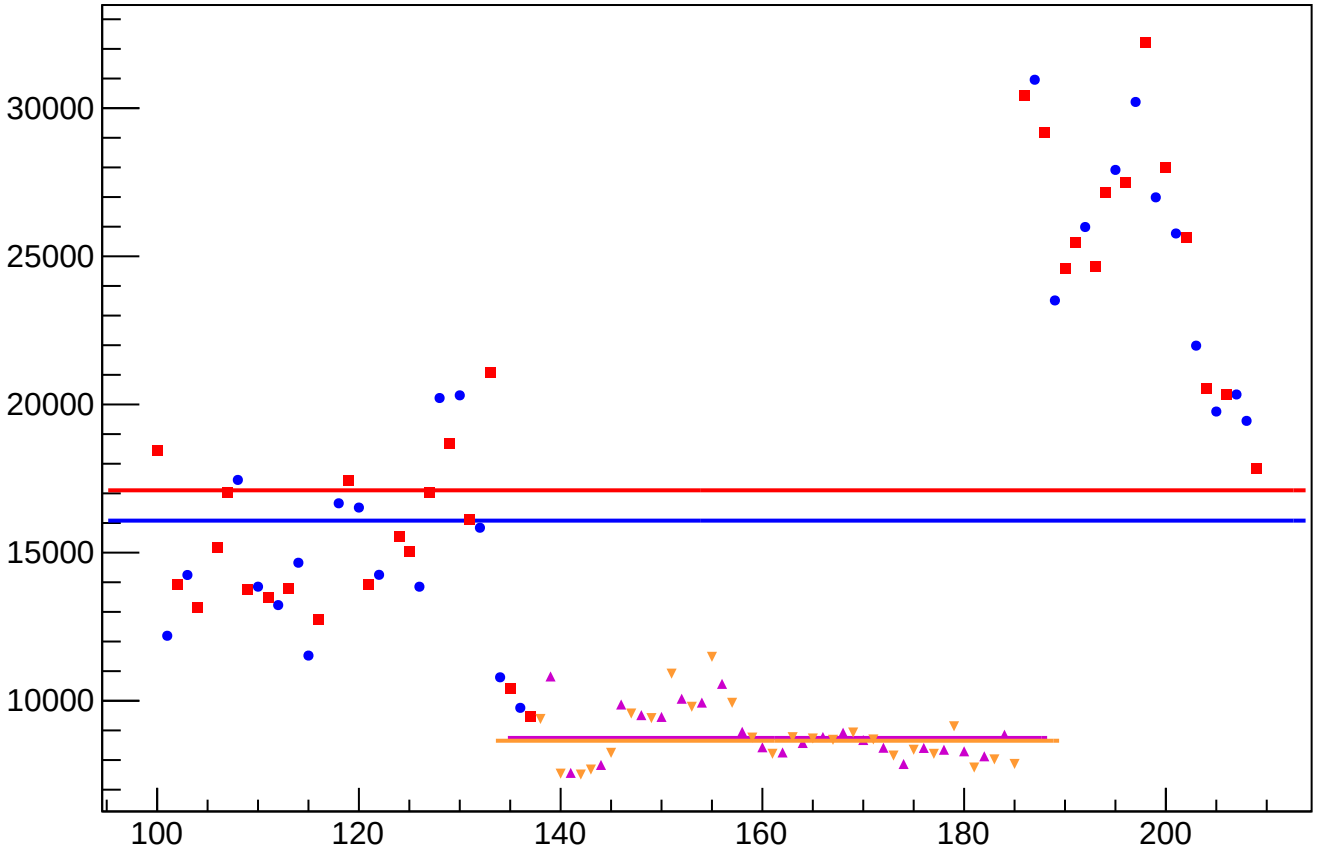
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -9.563+/-1.799 χ^2/NDF: 94.3/51

All: -6.371+/-1.292 χ^2/NDF: 158.2/106

- sign -2.967+/-1.858 χ^2/NDF: 57.4/54

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16080.074+/-3.033 χ^2/NDF: 3284929.8/26

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17102.902+/-3.069 χ^2/NDF: 3360893.5/31

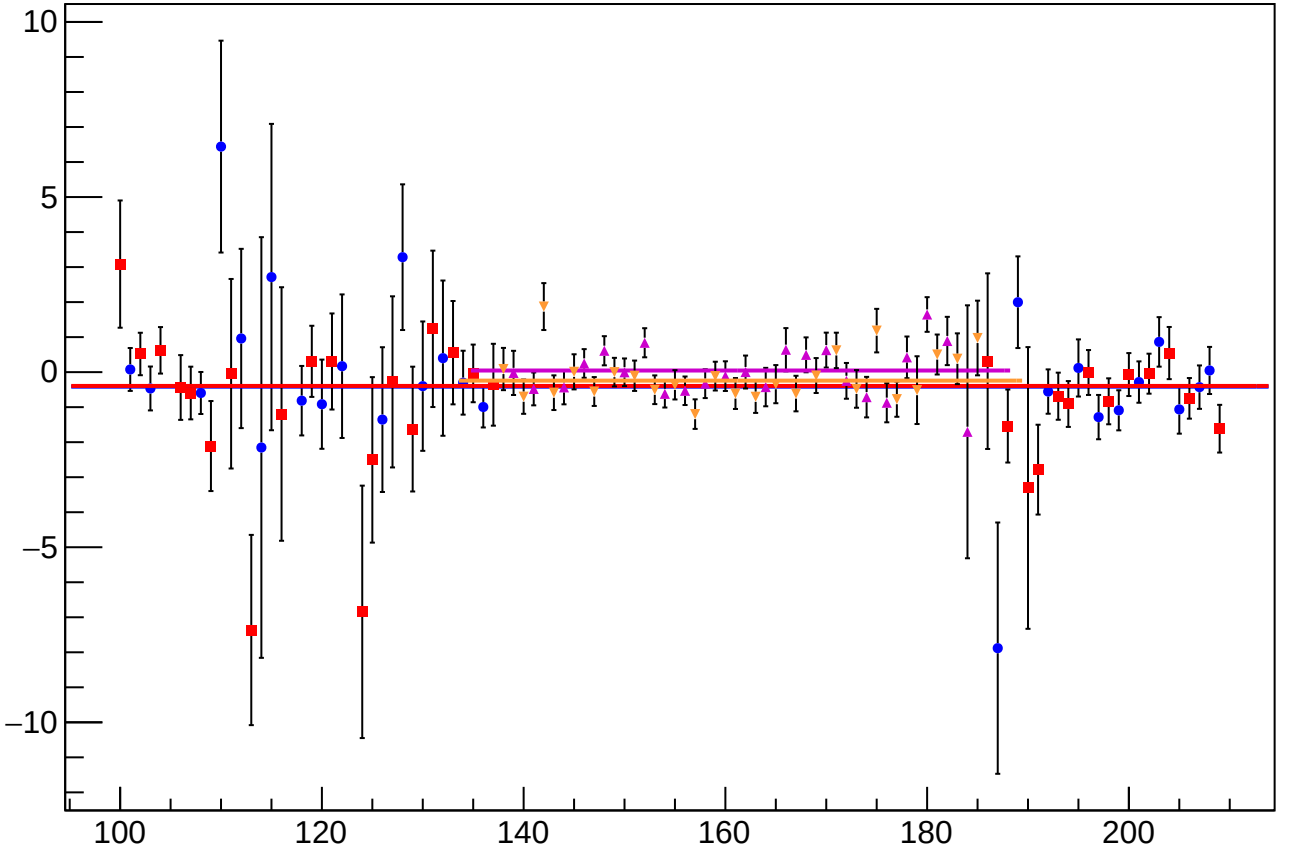
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9958.350+/-1.272 χ^2/NDF: 8632400.9/51

All: 10112.519+/-0.914 χ^2/NDF: 18409717.4

- sign 10276.923+/-1.314 χ^2/NDF: 9746967.9/54

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.414+/-0.164 χ^2/NDF: 27.8/26

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.394+/-0.162 χ^2/NDF: 35.9/31

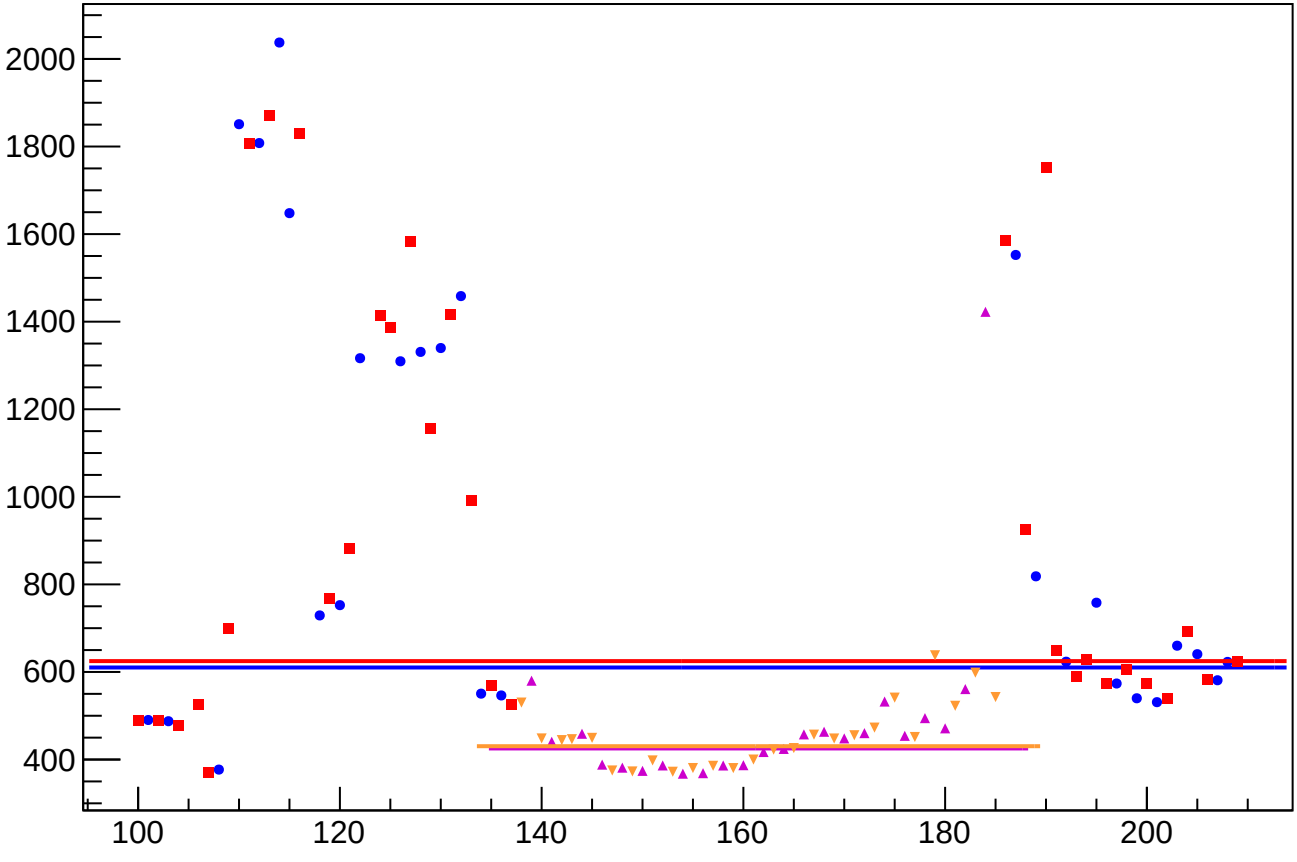
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.289+/-0.085 χ^2/NDF: 62.9/51

All: -0.184+/-0.061 χ^2/NDF: 142.2/106

- sign -0.077+/-0.086 χ^2/NDF: 76.2/54

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 610.200+/-0.116 χ^2/NDF: 3199759.5/26

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

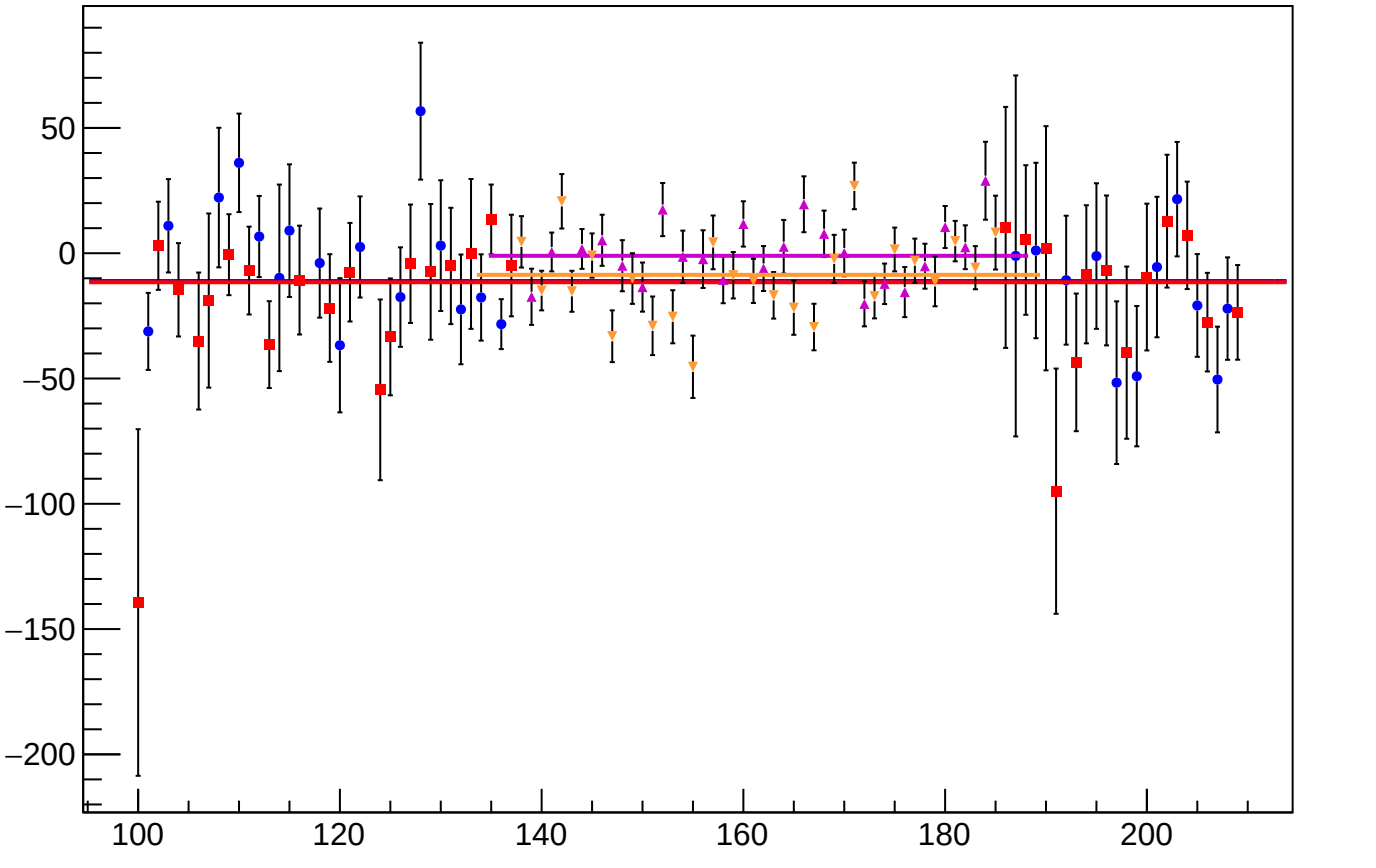
Right Out: 624.783+/-0.115 χ^2/NDF: 3515181.5/31

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 479.398+/-0.060 χ^2/NDF: 5600800.2/51

All: 480.439+/-0.043 χ^2/NDF: 12005502.8/10

- sign 481.494+/-0.061 χ^2/NDF: 6404105.9/54



Right In: -11.115+/-4.085 χ^2/NDF: 33.2/26

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

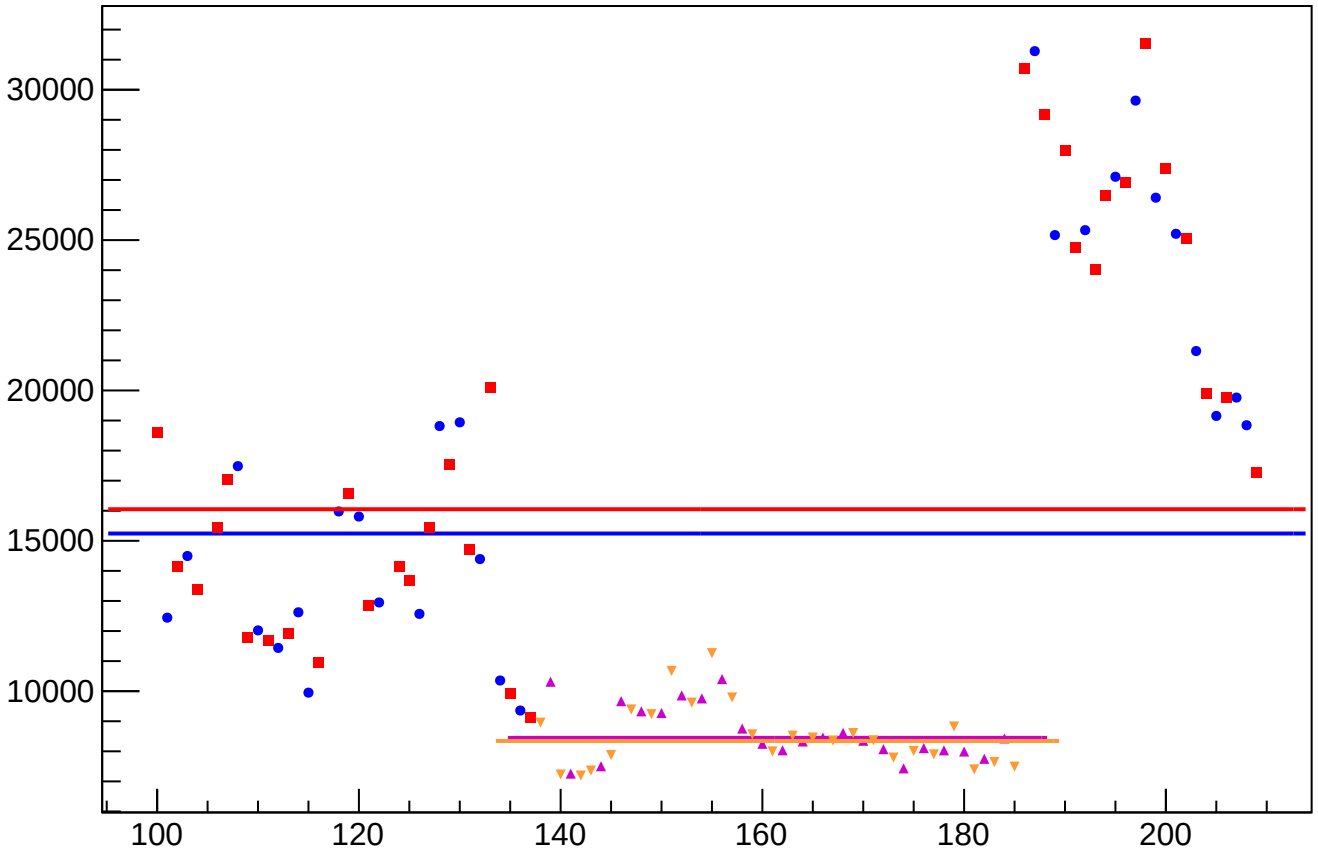
Right Out: -11.581+/-4.108 χ^2/NDF: 22.0/31

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -9.071+/-1.732 χ^2/NDF: 95.2/51

All: -6.145+/-1.244 χ^2/NDF: 158.2/106

- sign -3.027+/-1.788 χ^2/NDF: 57.1/54



Right In: 15242.800+/-2.889 χ^2/NDF: 3571109.0/26

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 16050.490+/-2.905 χ^2/NDF: 3861415.0/31

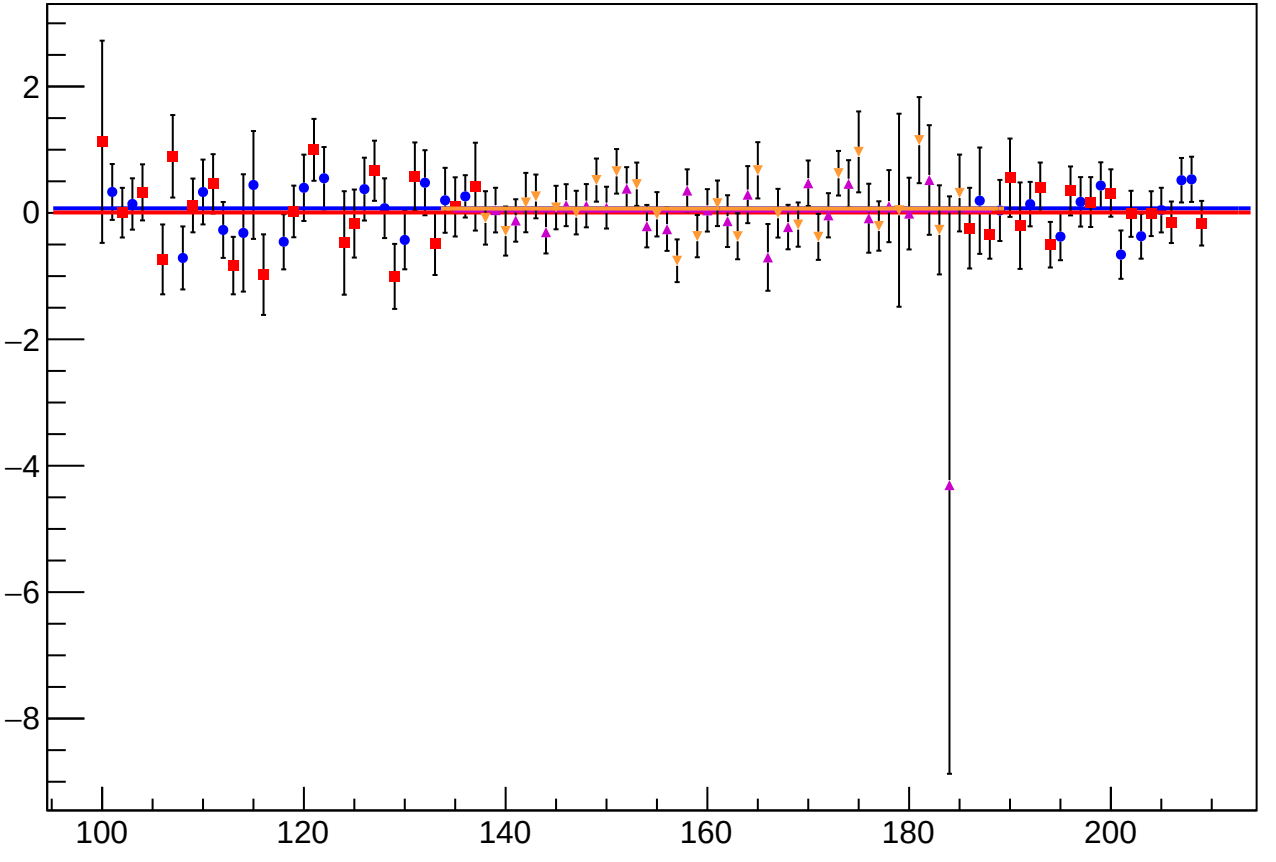
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9585.050+/-1.225 χ^2/NDF: 8717899.0/51

All: 9731.652+/-0.880 χ^2/NDF: 18544061.2/1

- sign 9887.886+/-1.265 χ^2/NDF: 9796579.1/54

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.072+/-0.084 χ^2/NDF: 20.4/26

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.007+/-0.081 χ^2/NDF: 31.3/31

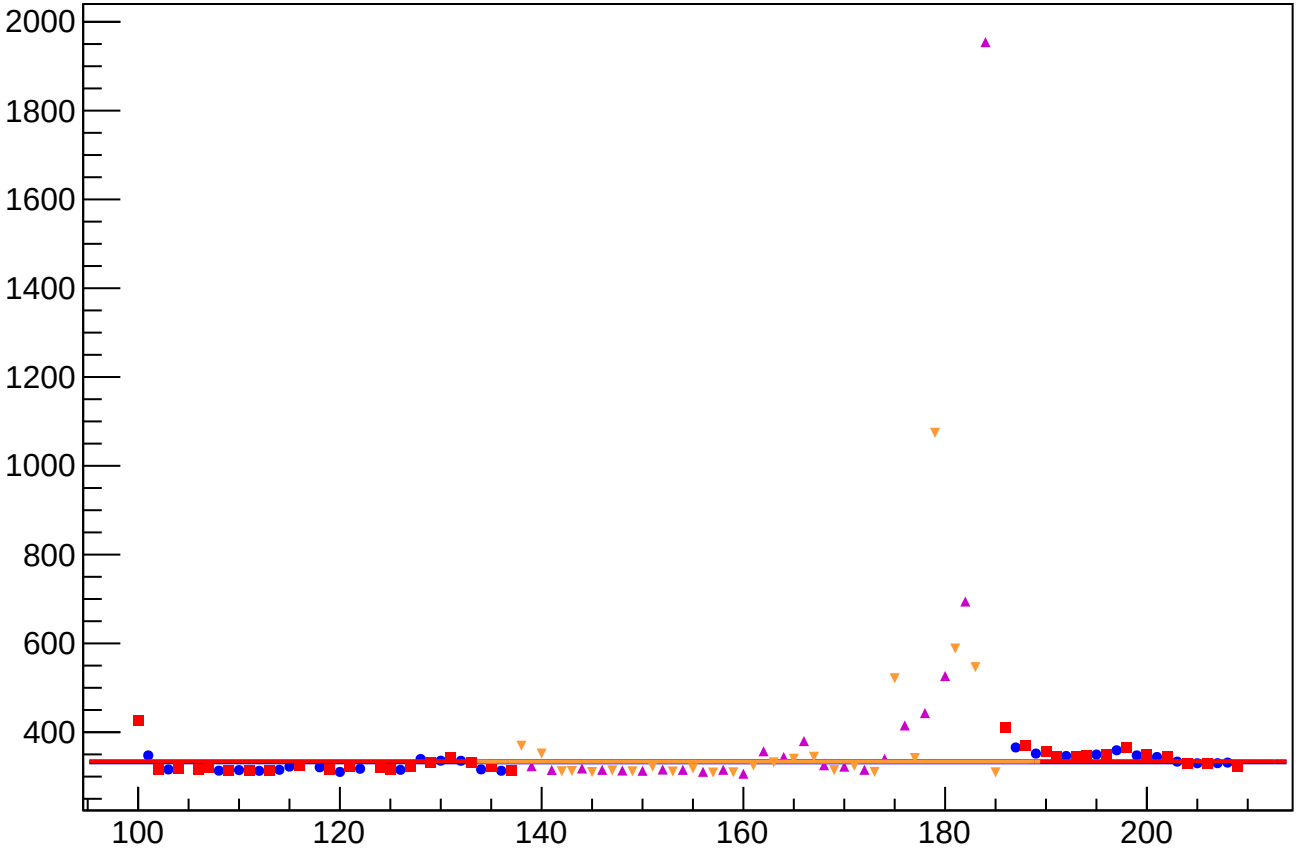
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.071+/-0.057 χ^2/NDF: 48.6/51

All: 0.046+/-0.041 χ^2/NDF: 92.0/106

- sign 0.022+/-0.057 χ^2/NDF: 43.1/54

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.158+/-0.059 χ^2/NDF: 62864.7/26

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.725+/-0.057 χ^2/NDF: 118387.1/31

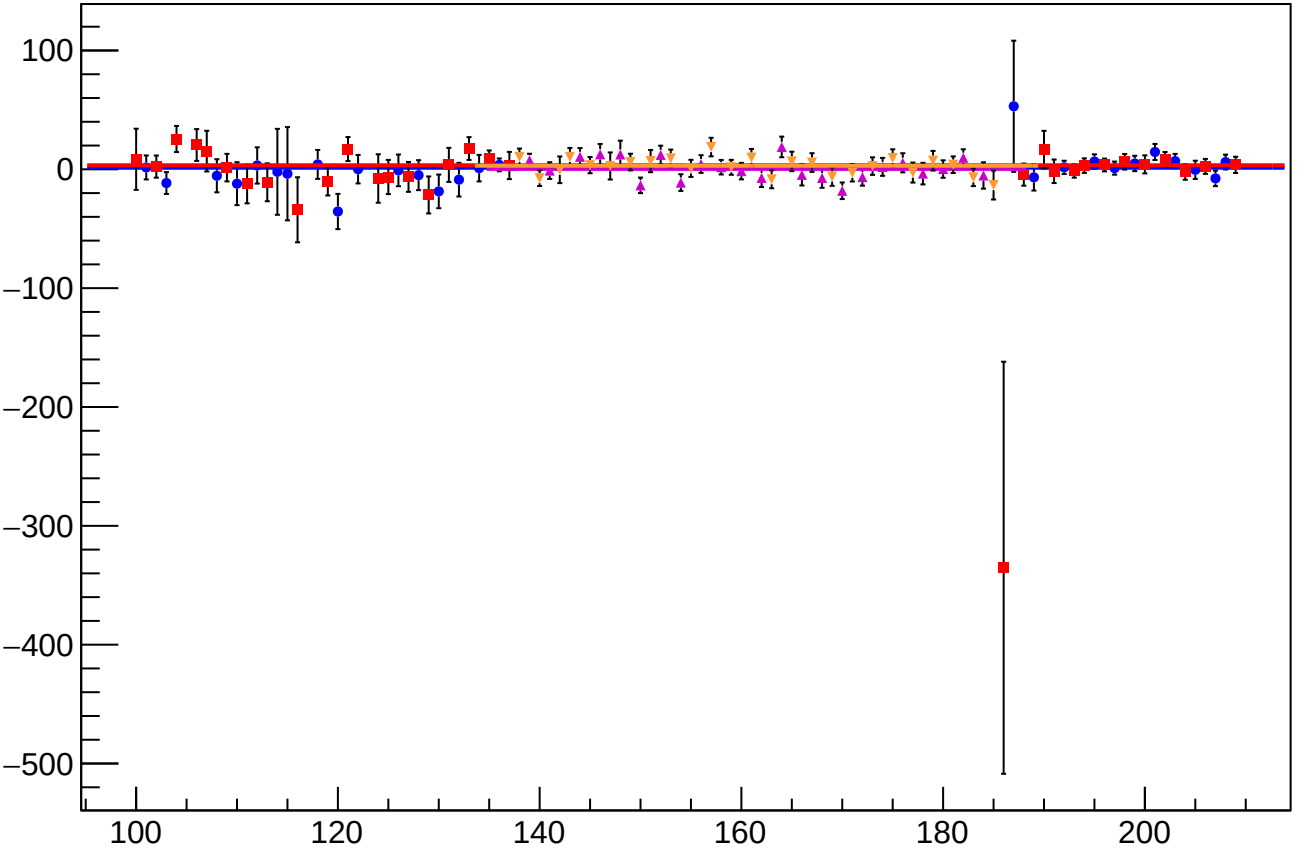
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.017+/-0.041 χ^2/NDF: 1280520.5/51

All: 333.689+/-0.029 χ^2/NDF: 2450521.1/106

- sign 334.353+/-0.040 χ^2/NDF: 1169456.6/54

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.339+/-1.672 χ^2/NDF: 21.6/26

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

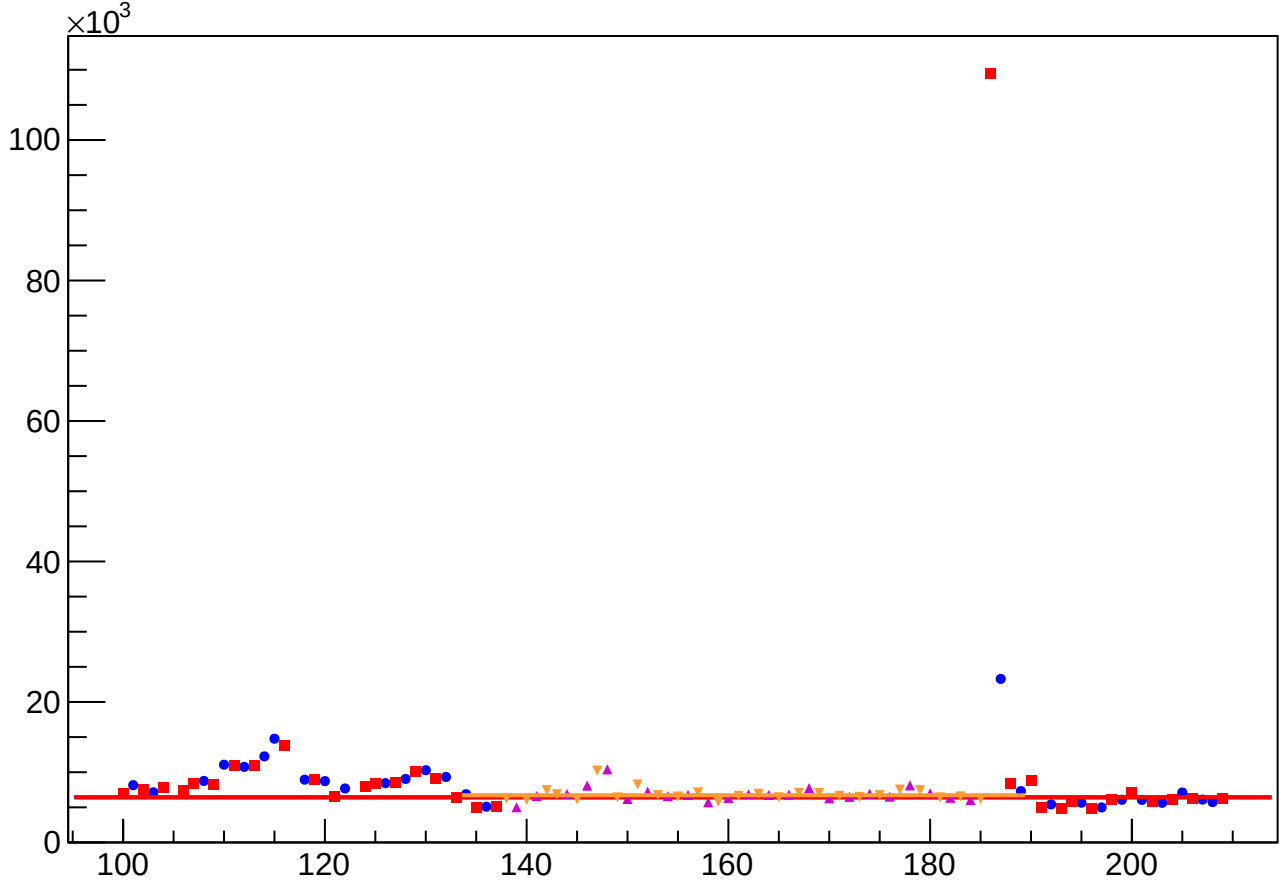
Right Out: 3.409+/-1.622 χ^2/NDF: 27.5/31

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.249+/-1.133 χ^2/NDF: 42.5/51

All: 2.038+/-0.799 χ^2/NDF: 105.7/106

- sign 1.829+/-1.128 χ^2/NDF: 63.2/54



Right In: 6414.797+/-1.182 χ^2/NDF: 1731813.7/26

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

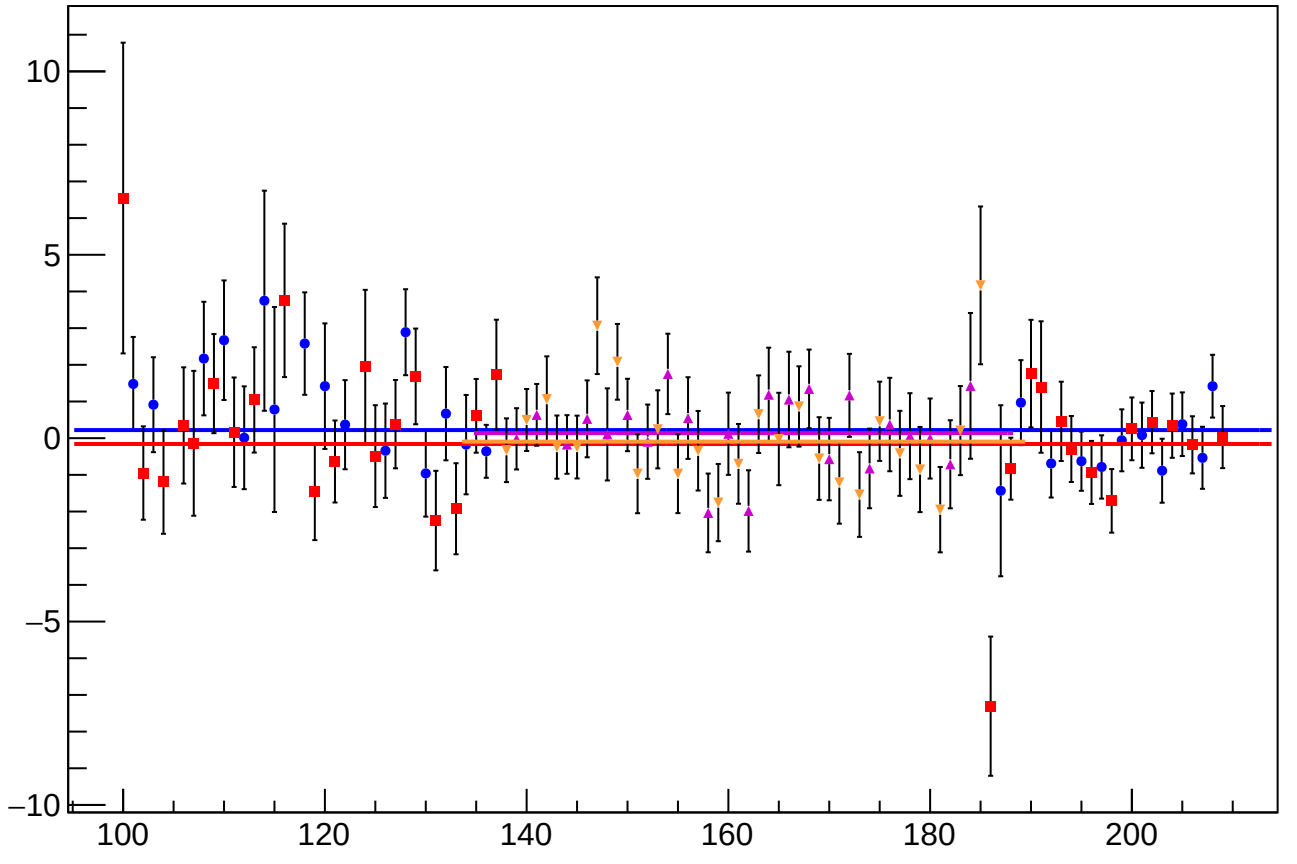
Right Out: 6441.952+/-1.147 χ^2/NDF: 2373259.9/31

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6581.357+/-0.801 χ^2/NDF: 2171861.9/51

All: 6560.857+/-0.565 χ^2/NDF: 5190210.5/10

- sign 6540.564+/-0.797 χ^2/NDF: 3017046.5/54



Right In: 0.221+/-0.211 χ^2/NDF: 26.0/26

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.158+/-0.205 χ^2/NDF: 43.0/31

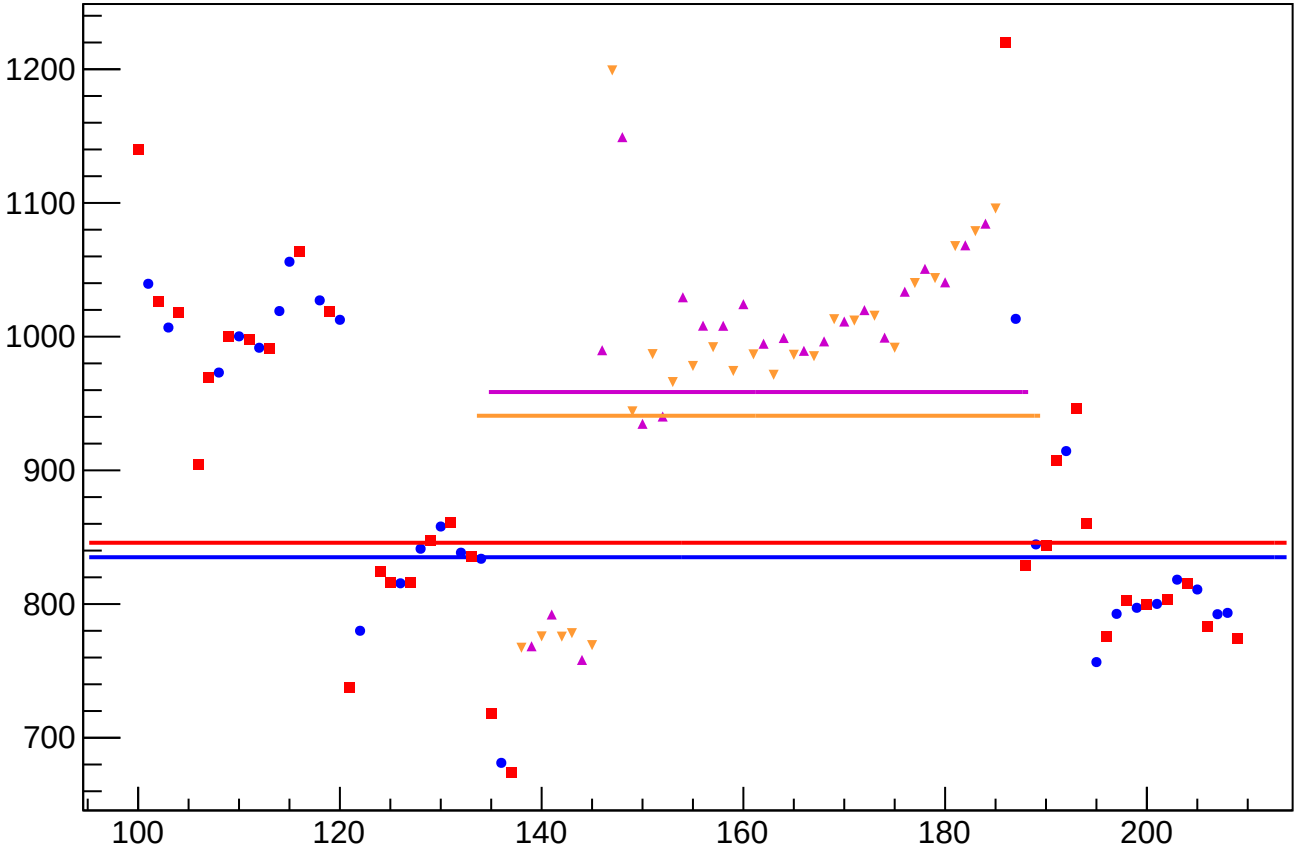
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.066+/-0.151 χ^2/NDF: 54.4/51

All: 0.021+/-0.107 χ^2/NDF: 115.0/106

- sign -0.024+/-0.151 χ^2/NDF: 60.4/54

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 835.031+/-0.149 χ^2/NDF: 392531.1/26

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 845.848+/-0.145 χ^2/NDF: 450486.0/31

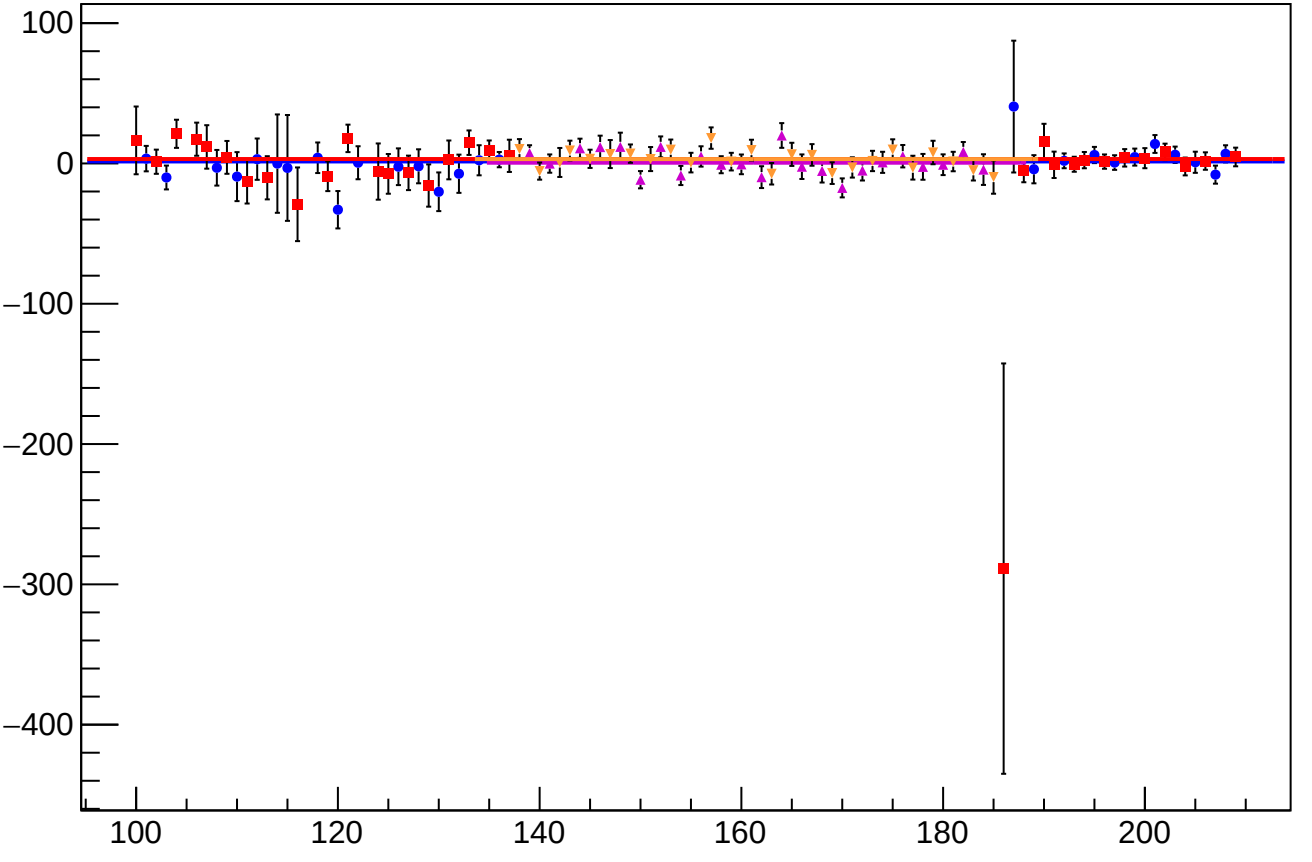
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 886.862+/-0.107 χ^2/NDF: 1207587.9/51

All: 891.795+/-0.076 χ^2/NDF: 2393607.6/106

- sign 896.776+/-0.107 χ^2/NDF: 1181713.9/54

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.417+/-1.598 χ^2/NDF: 21.6/26

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.145+/-1.542 χ^2/NDF: 26.1/31

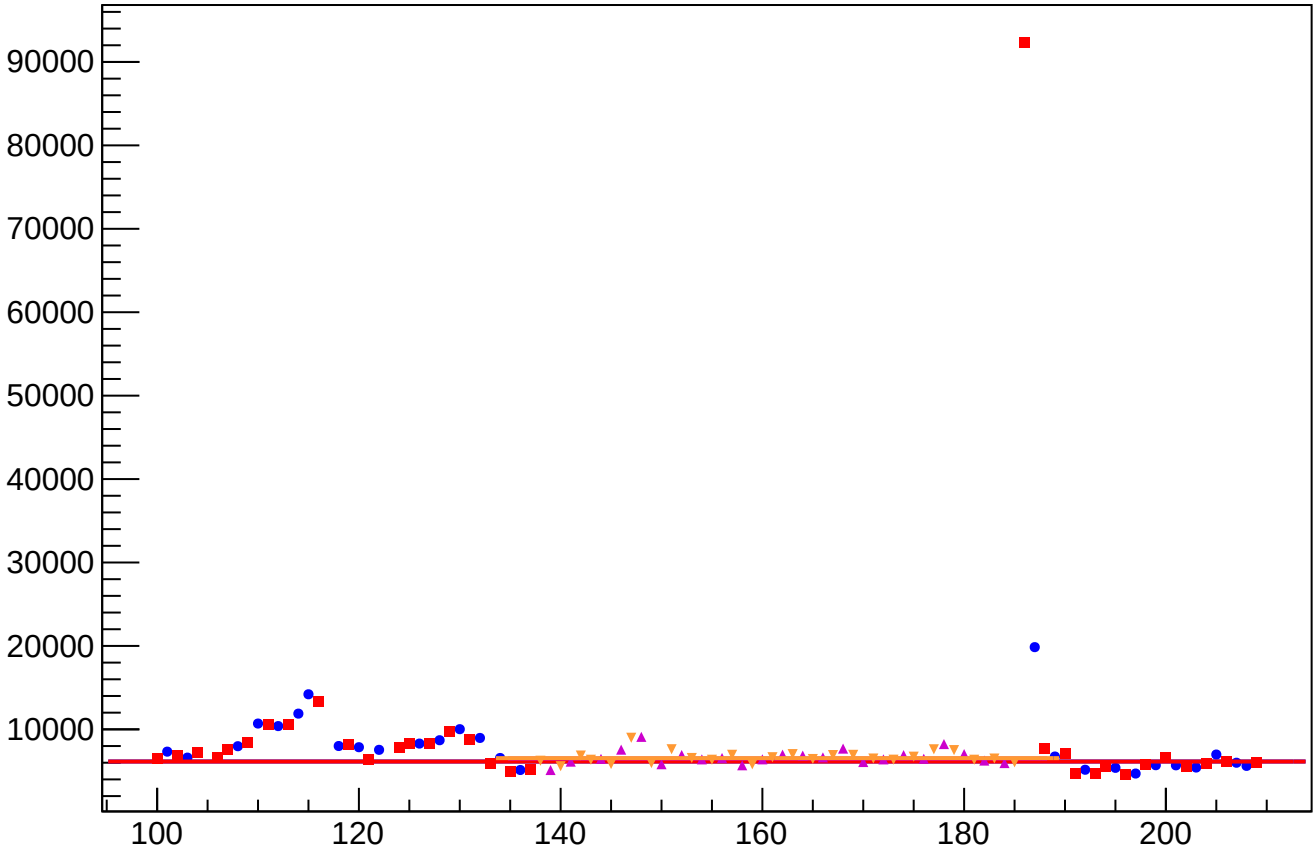
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.311+/-1.094 χ^2/NDF: 40.8/51

All: 2.067+/-0.771 χ^2/NDF: 100.4/106

- sign 1.826+/-1.088 χ^2/NDF: 59.6/54

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6146.865+/-1.130 χ^2/NDF: 1635364.5/26

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6141.652+/-1.090 χ^2/NDF: 2297455.2/31

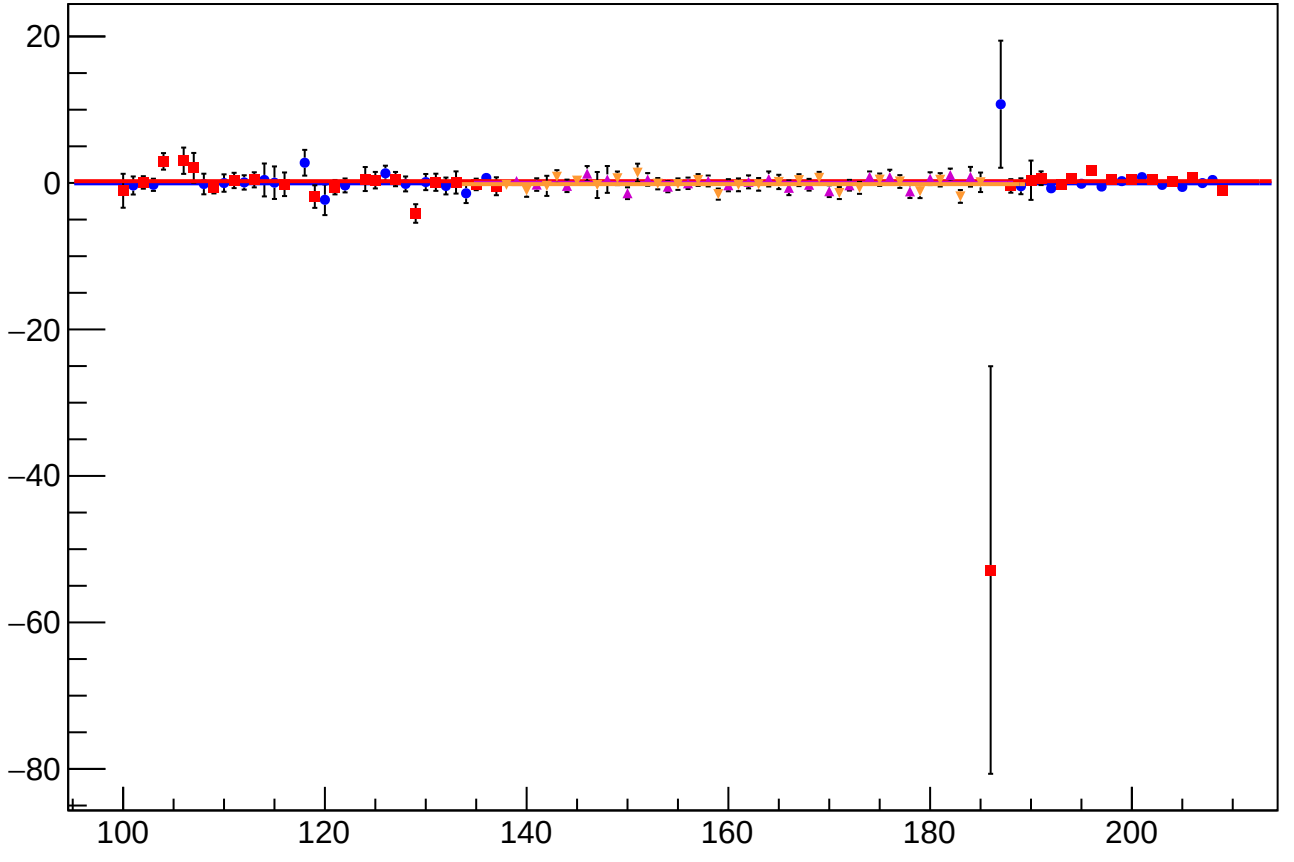
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6360.556+/-0.773 χ^2/NDF: 2068722.6/51

All: 6342.285+/-0.545 χ^2/NDF: 4938580.5/10

- sign 6324.210+/-0.769 χ^2/NDF: 2868747.7/54

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.053+/-0.143 χ^2/NDF: 16.9/26

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.241+/-0.142 χ^2/NDF: 46.3/31

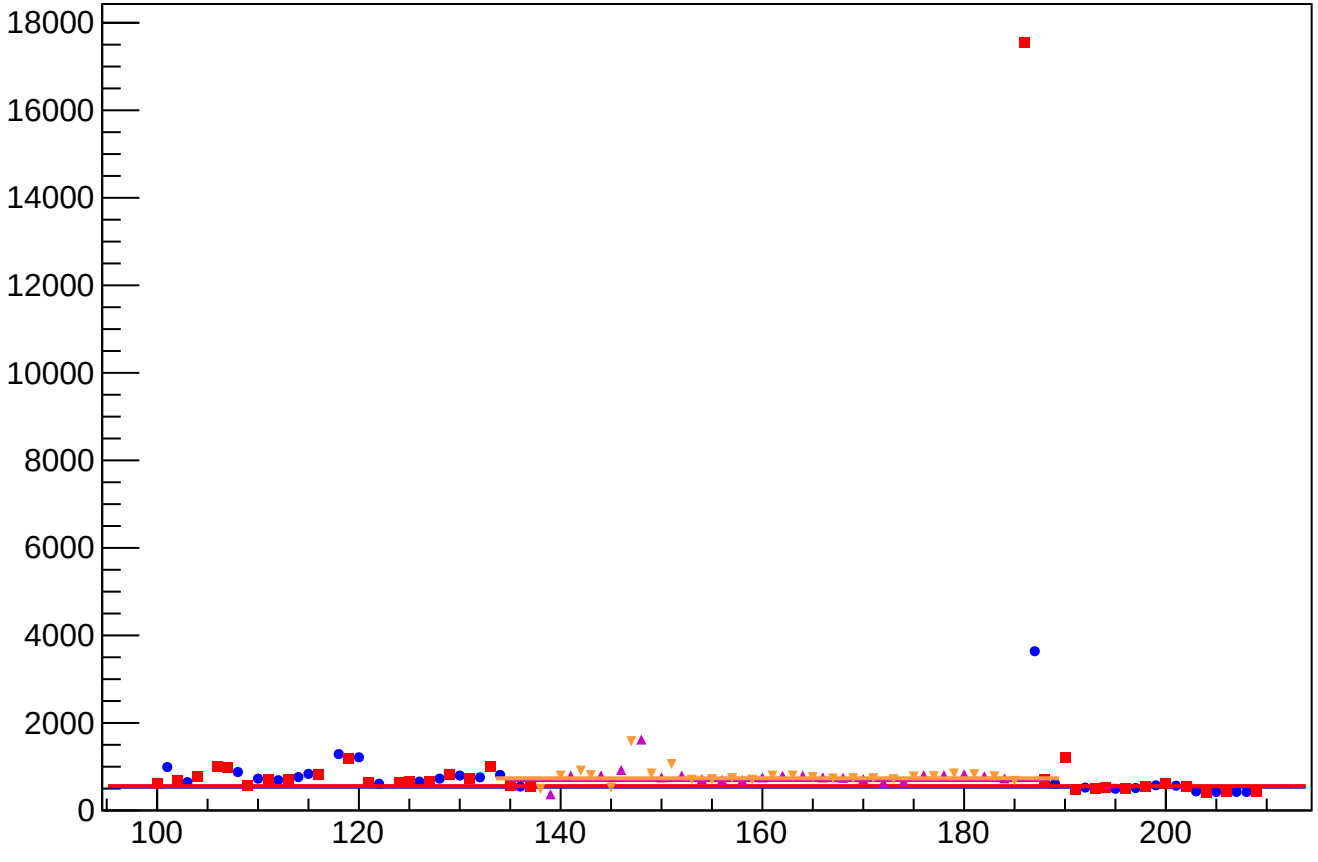
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.098+/-0.110 χ^2/NDF: 36.1/51

All: 0.027+/-0.077 χ^2/NDF: 101.1/106

- sign 0.149+/-0.109 χ^2/NDF: 62.5/54

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 542.053+/-0.101 χ^2/NDF: 2299368.5/26

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 555.445+/-0.100 χ^2/NDF: 2654403.5/31

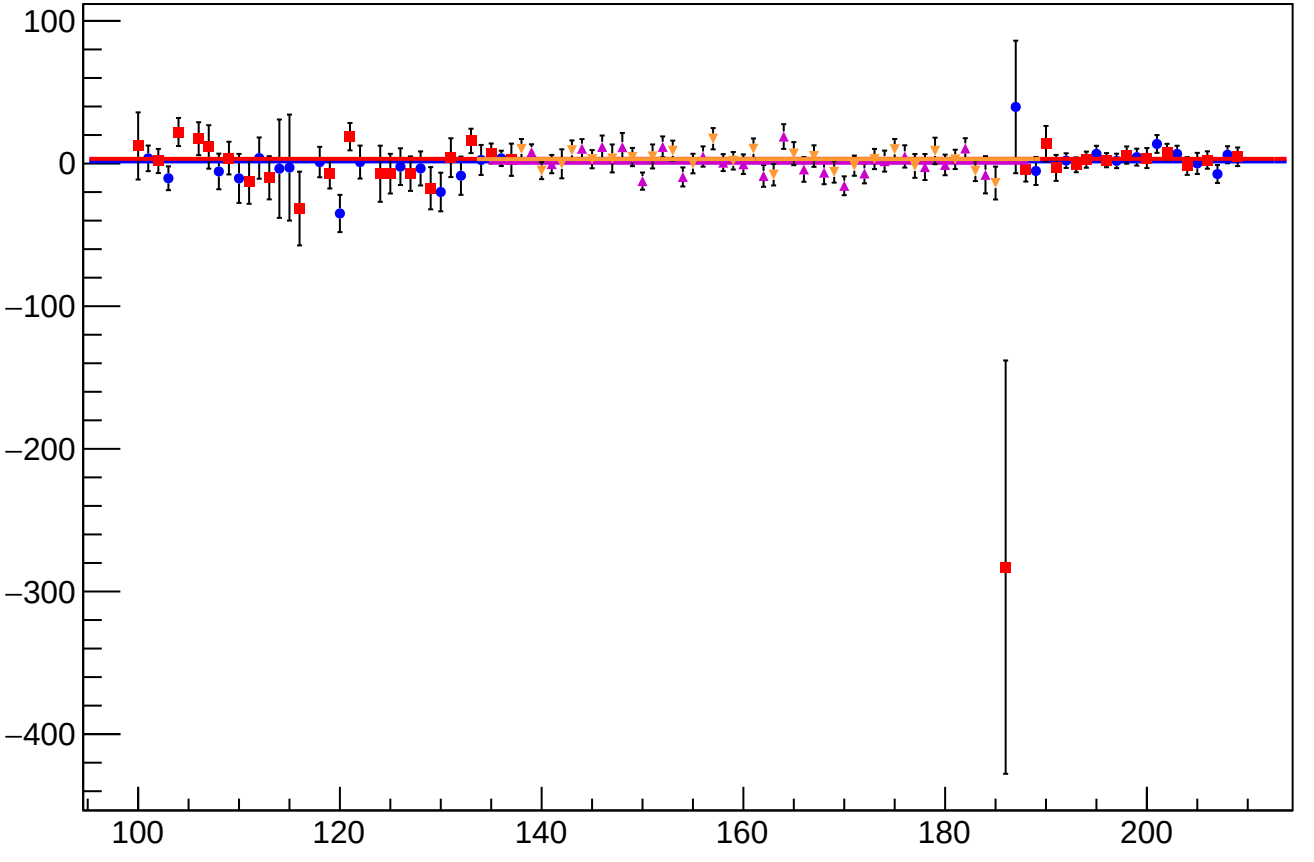
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 620.935+/-0.078 χ^2/NDF: 5124613.1/51

All: 616.830+/-0.055 χ^2/NDF: 10798875.8/10

- sign 612.823+/-0.077 χ^2/NDF: 5668765.5/54

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.498+/-1.567 χ^2/NDF: 23.8/26

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.308+/-1.511 χ^2/NDF: 27.1/31

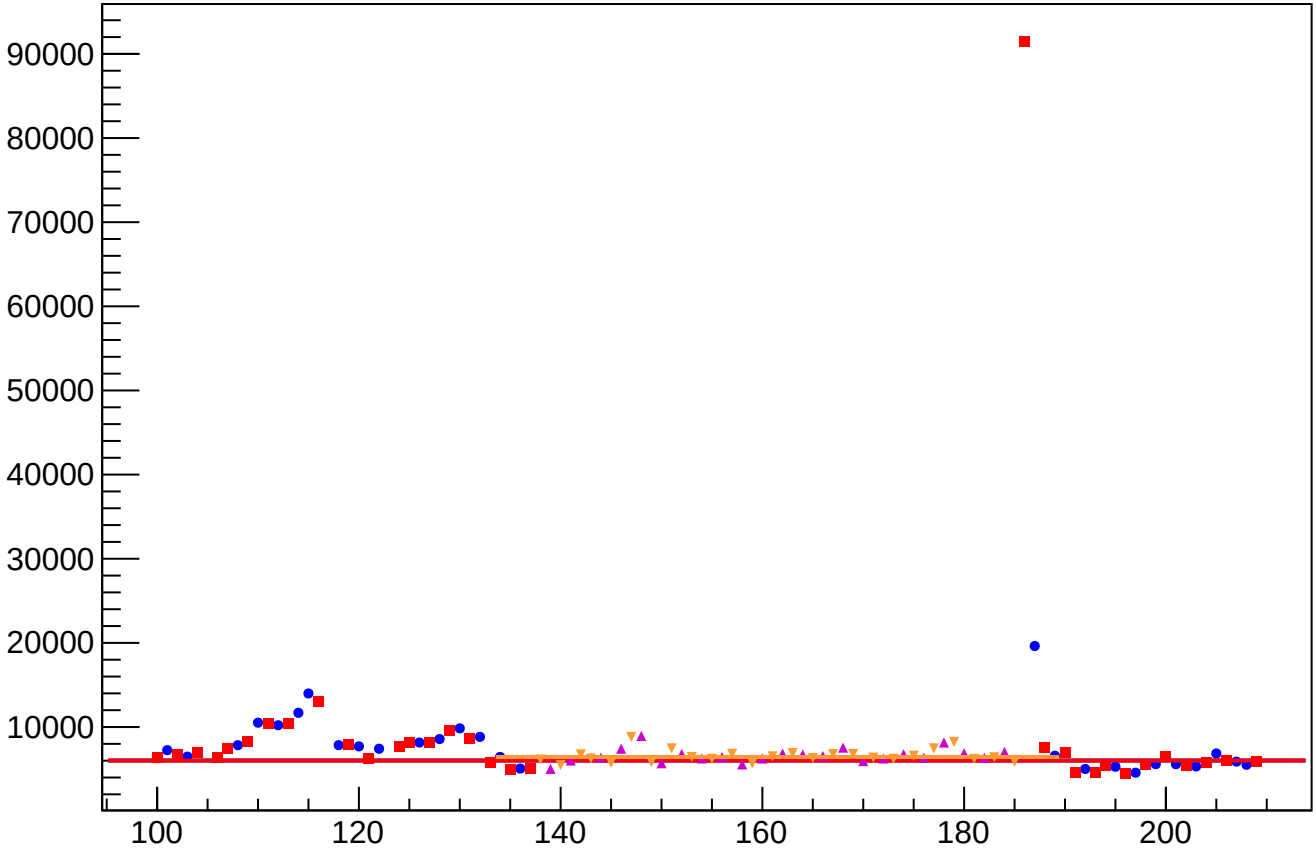
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.352+/-1.074 χ^2/NDF: 43.1/51

All: 2.140+/-0.758 χ^2/NDF: 105.6/106

- sign 1.930+/-1.069 χ^2/NDF: 62.4/54

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6022.068+/-1.108 χ^2/NDF: 1662864.9/26

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6012.699+/-1.068 χ^2/NDF: 2318631.2/31

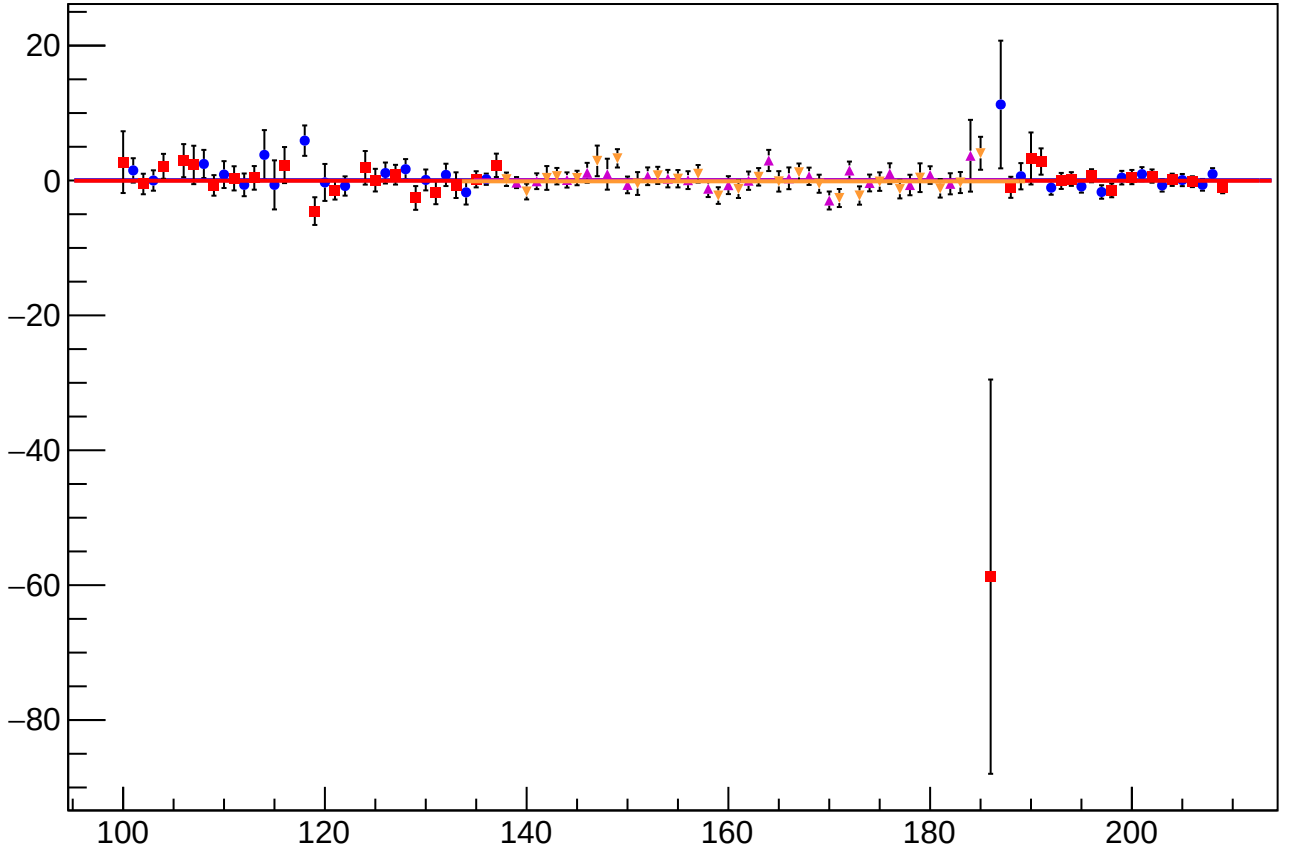
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6241.009+/-0.760 χ^2/NDF: 2153902.3/51

All: 6224.807+/-0.536 χ^2/NDF: 5065942.6/10

- sign 6208.771+/-0.756 χ^2/NDF: 2911135.4/54

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.042+/-0.248 χ^2/NDF: 23.4/26

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.039+/-0.247 χ^2/NDF: 28.7/31

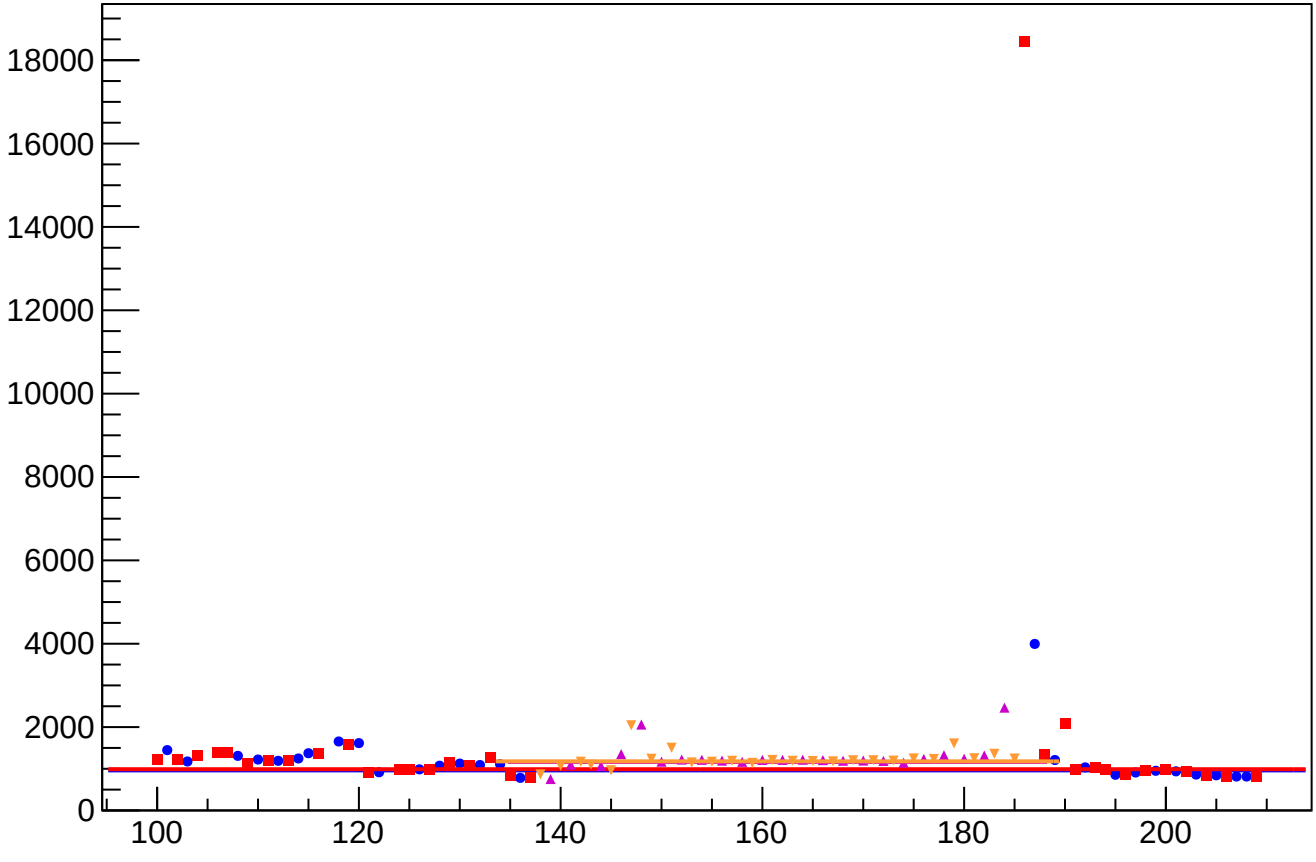
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.032+/-0.184 χ^2/NDF: 50.6/51

All: -0.021+/-0.130 χ^2/NDF: 93.8/106

- sign -0.009+/-0.185 χ^2/NDF: 43.2/54

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 961.090+/-0.176 χ^2/NDF: 1257520.2/26

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

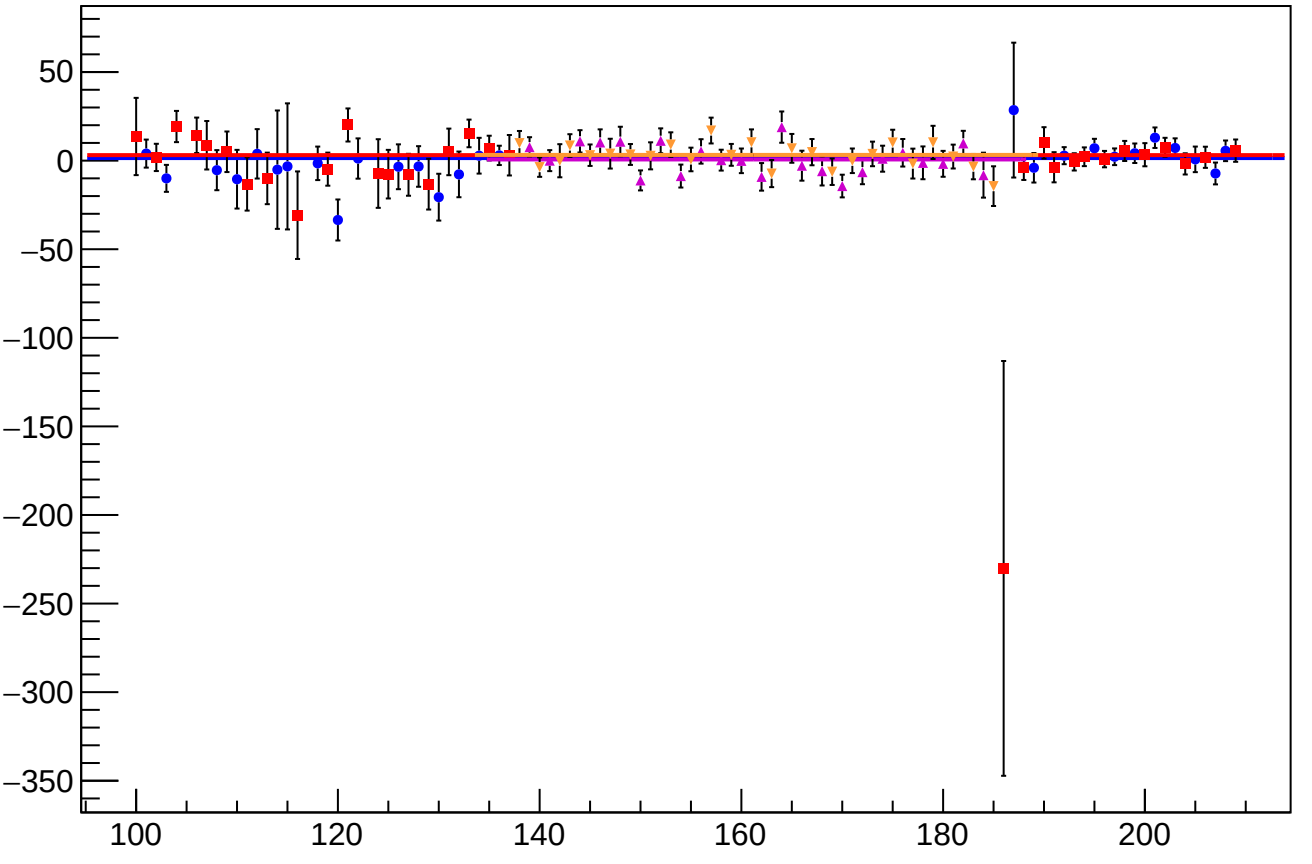
Right Out: 989.370+/-0.175 χ^2/NDF: 1877287.3/31

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1058.997+/-0.130 χ^2/NDF: 2746895.7/51

All: 1062.569+/-0.092 χ^2/NDF: 6116921.3/10

- sign 1066.182+/-0.131 χ^2/NDF: 3368506.0/54



Right In: 1.448+/-1.479 χ^2/NDF: 26.2/26

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

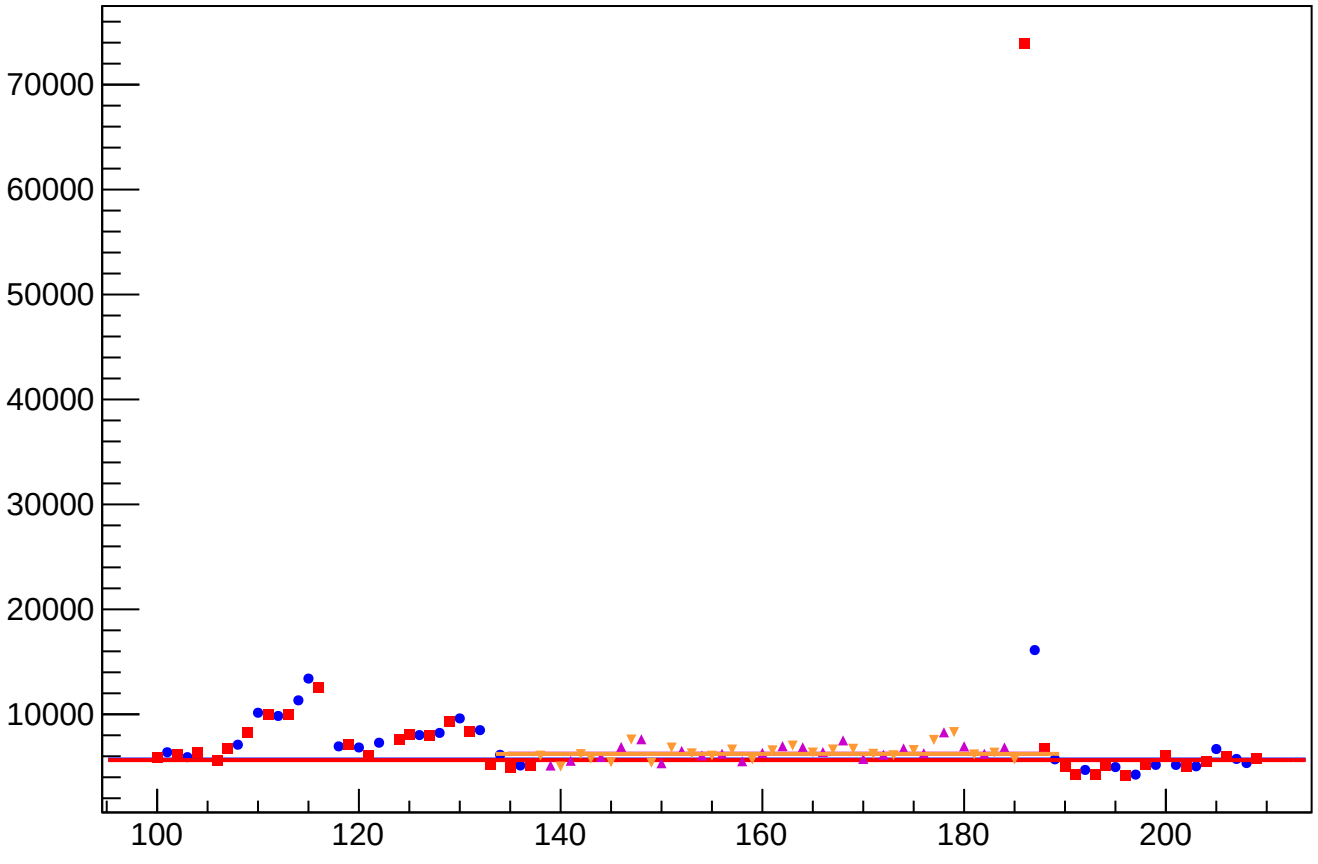
Right Out: 3.114+/-1.414 χ^2/NDF: 27.6/31

Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.372+/-1.028 χ^2/NDF: 44.8/51

All: 2.155+/-0.724 χ^2/NDF: 106.3/106

- sign 1.941+/-1.020 χ^2/NDF: 61.4/54



Right In: 5688.709+/-1.046 χ^2/NDF: 1642113.8/26

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5634.303+/-1.000 χ^2/NDF: 2340006.7/31

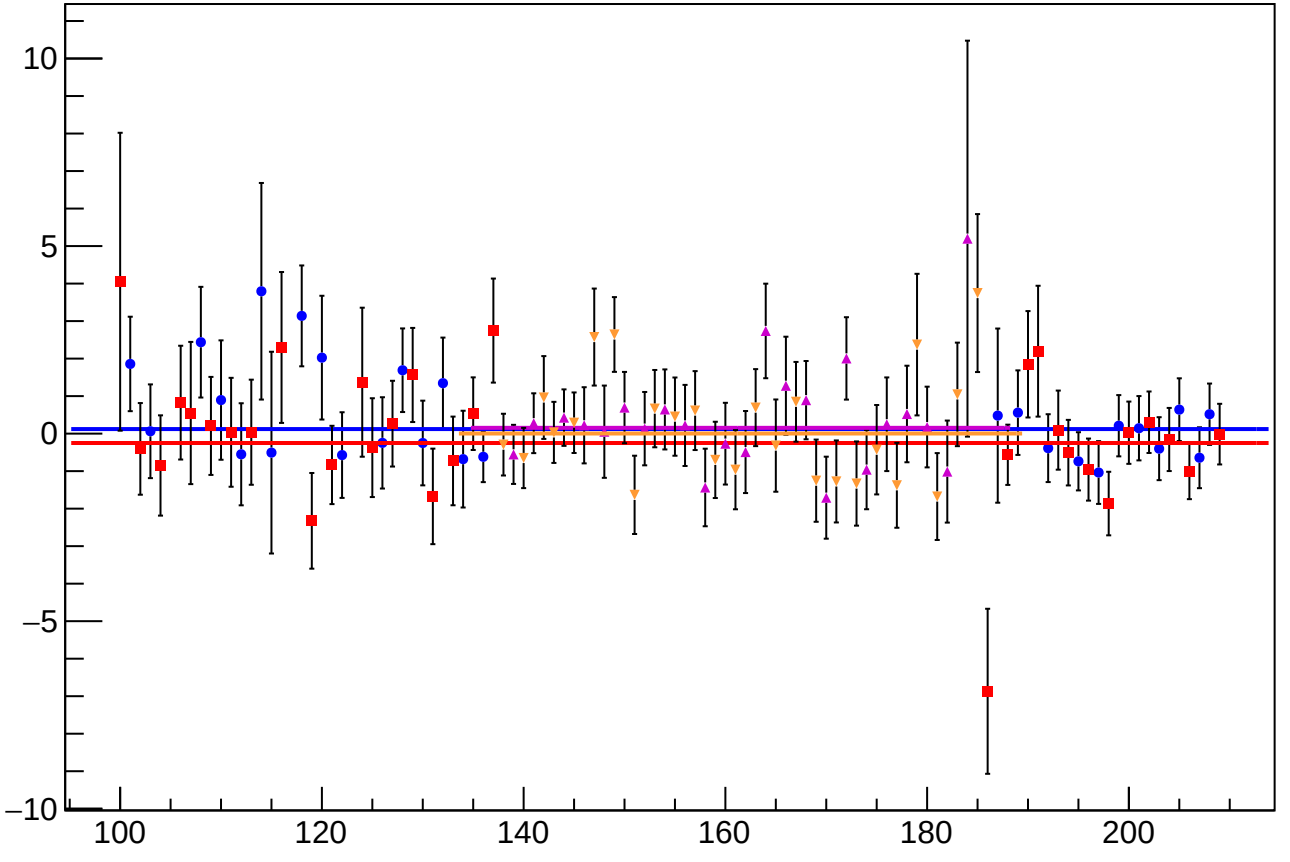
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 5967.793+/-0.727 χ^2/NDF: 2250802.6/51

All: 5947.721+/-0.512 χ^2/NDF: 5257163.9/10

- sign 5927.937+/-0.722 χ^2/NDF: 3004846.7/54

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.121+/-0.203 χ^2/NDF: 23.6/26

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.250+/-0.197 χ^2/NDF: 36.1/31

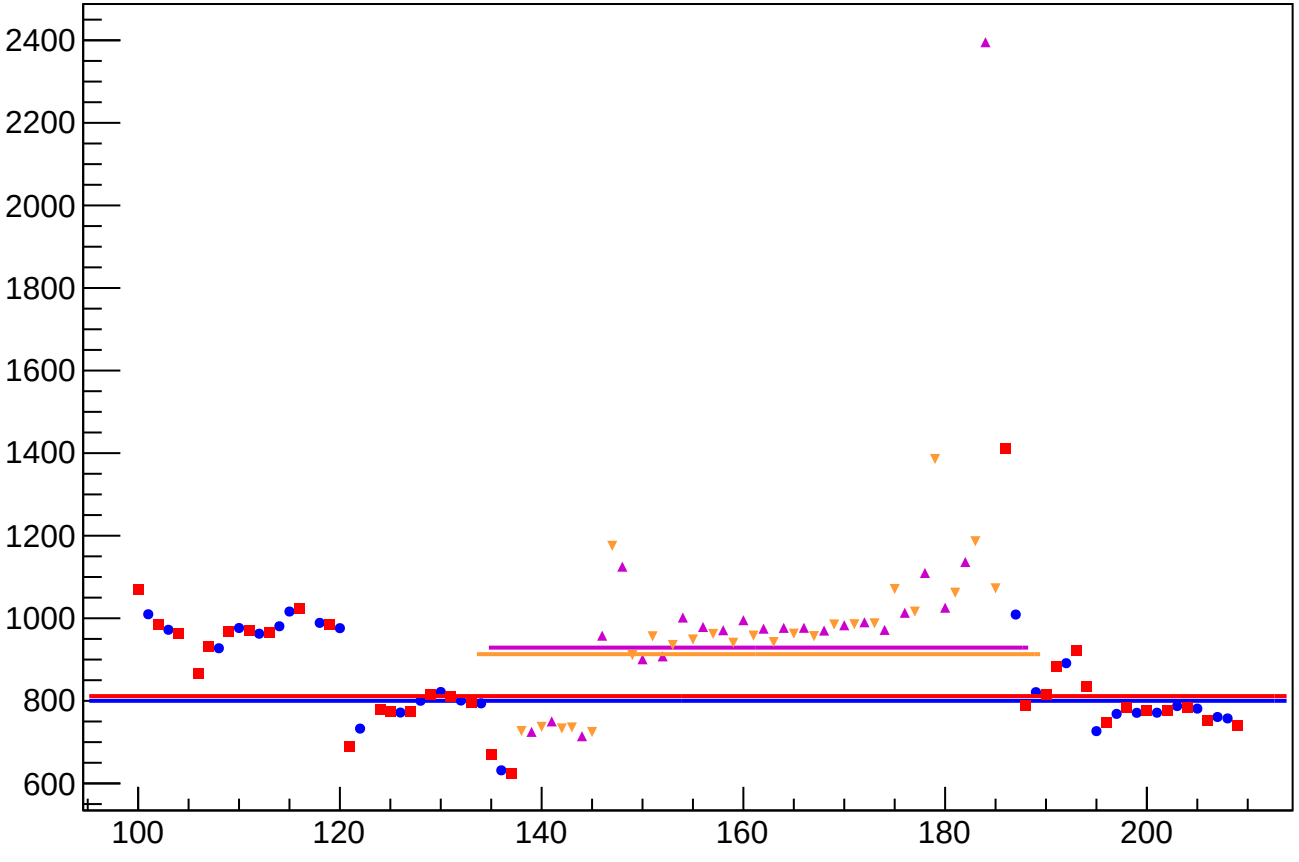
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.065+/-0.146 χ^2/NDF: 55.4/51

All: -0.003+/-0.104 χ^2/NDF: 112.2/106

- sign -0.071+/-0.147 χ^2/NDF: 56.4/54

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 800.084+/-0.143 χ^2/NDF: 452111.9/26

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

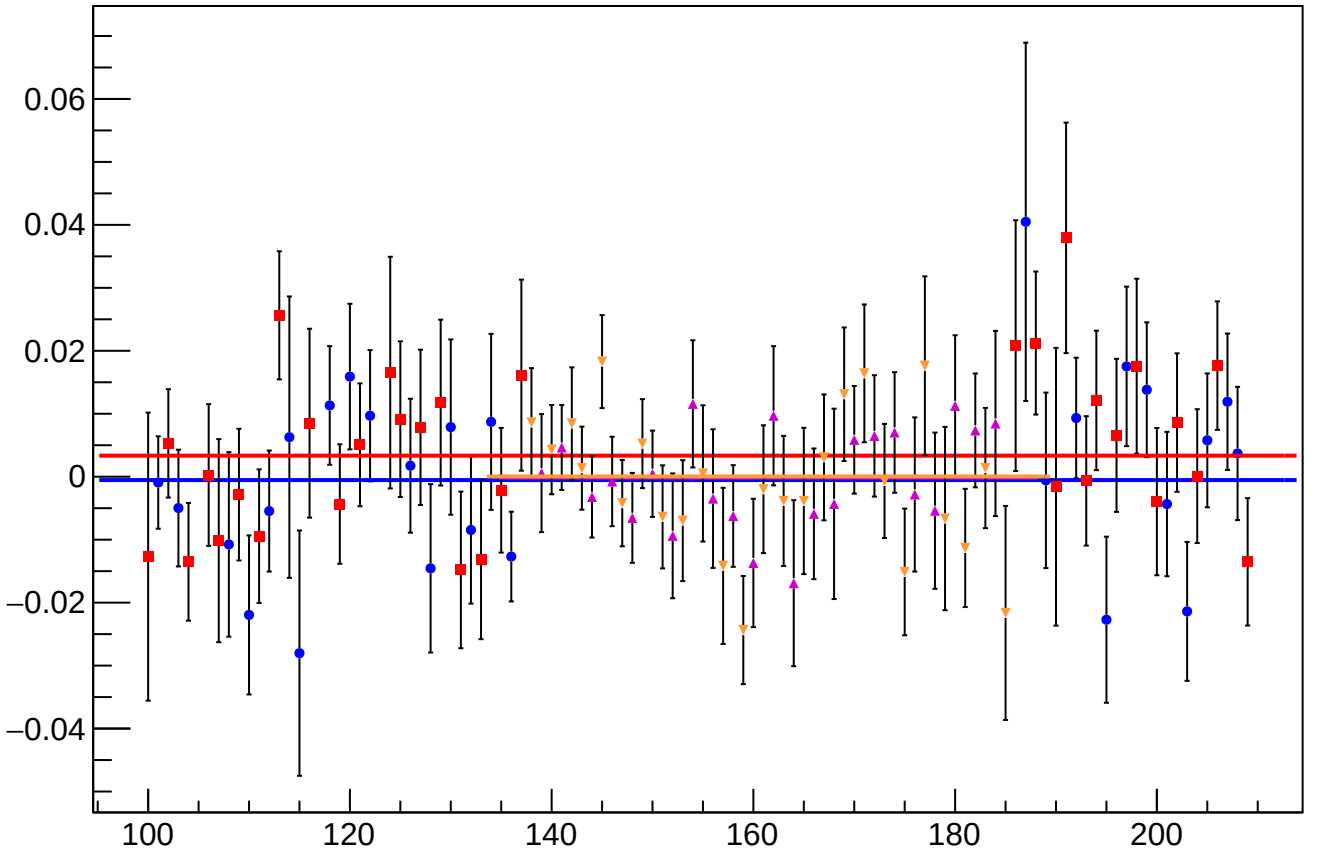
Right Out: 811.556+/-0.139 χ^2/NDF: 561832.8/31

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 854.035+/-0.104 χ^2/NDF: 1638353.1/51

All: 858.718+/-0.073 χ^2/NDF: 3287820.7/106

- sign 863.437+/-0.104 χ^2/NDF: 1645360.8/54



Right In: -0.001+/-0.002 χ^2/NDF: 31.1/26

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 32.3/31

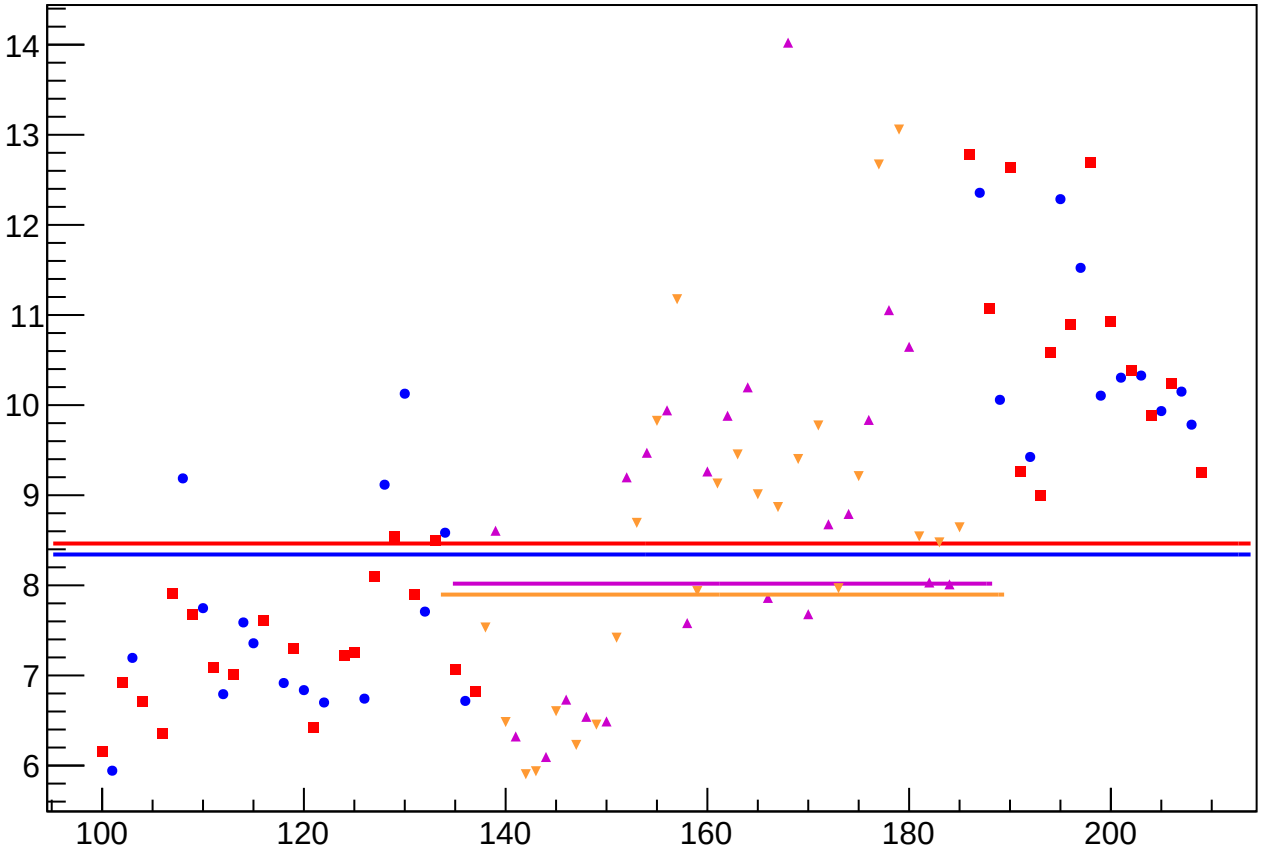
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.000+/-0.001 χ^2/NDF: 62.3/51

All: 0.001+/-0.001 χ^2/NDF: 109.6/106

- sign 0.001+/-0.001 χ^2/NDF: 46.6/54

diff_dispE_bpm12X_rms vs Slug



Right In: 8.342+/-0.002 χ^2/NDF: 1355393.8/26

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

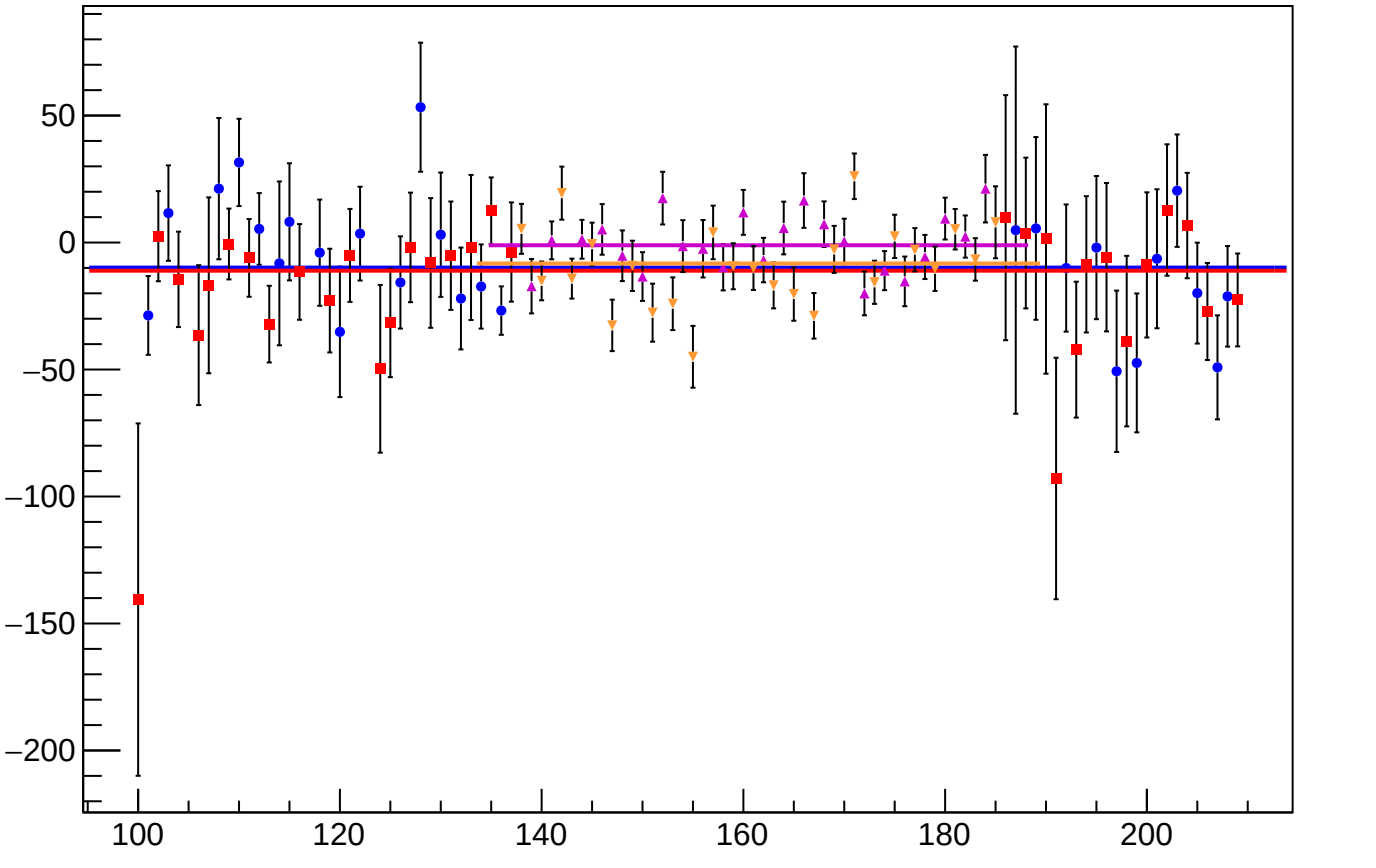
Right Out: 8.464+/-0.001 χ^2/NDF: 1410006.2/31

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.086+/-0.001 χ^2/NDF: 2995631.5/51

All: 8.154+/-0.001 χ^2/NDF: 5920270.7/106

- sign 8.223+/-0.001 χ^2/NDF: 2915172.5/54



Right In: -9.867+/-3.874 χ^2/NDF: 33.5/26

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -11.078+/-3.864 χ^2/NDF: 22.3/31

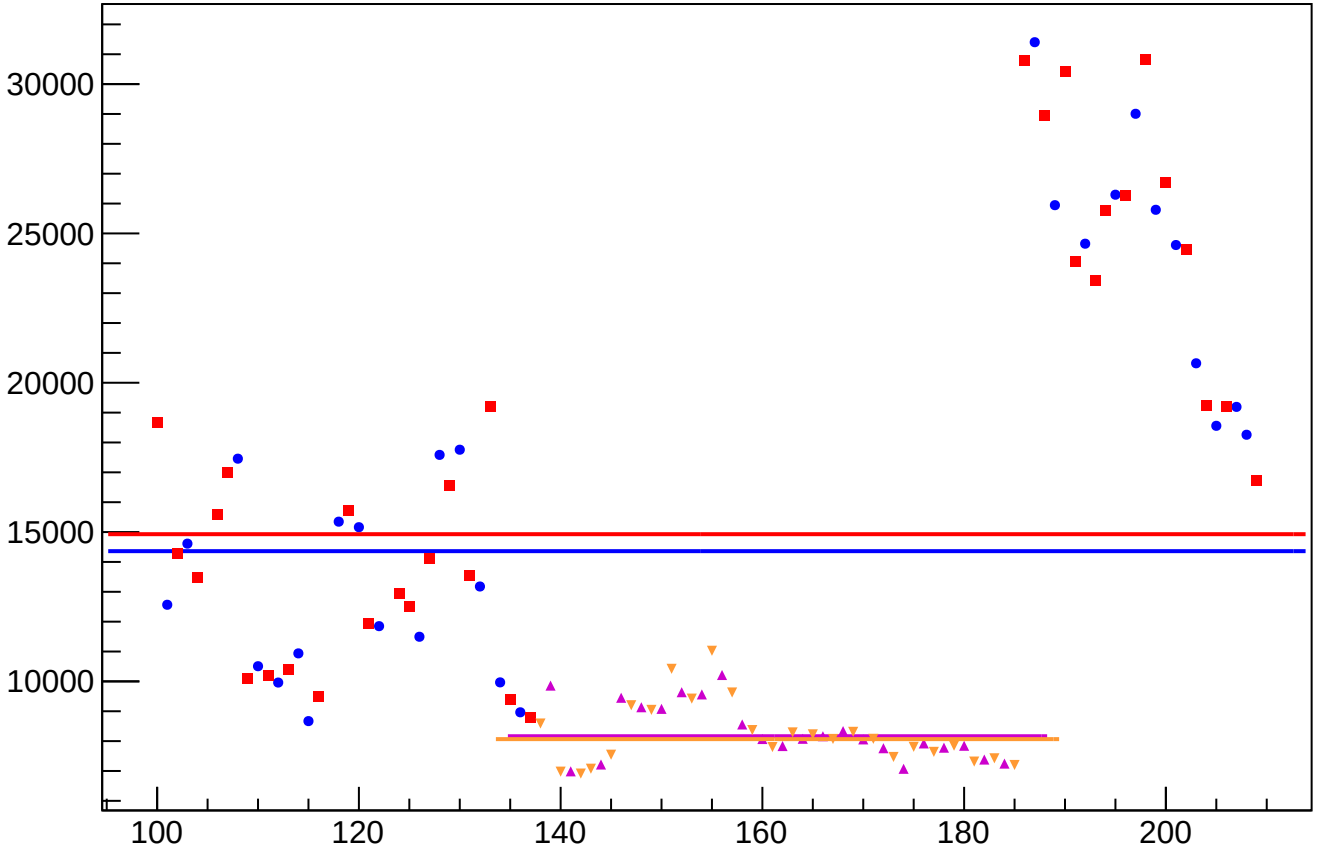
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.555+/-1.669 χ^2/NDF: 95.8/51

All: -5.888+/-1.198 χ^2/NDF: 157.5/106

- sign -3.055+/-1.720 χ^2/NDF: 56.5/54

diff_targ_positionX_rms vs Slug



Right In: 14360.917+/-2.739 χ^2/NDF: 3952448.4/26

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 14929.123+/-2.732 χ^2/NDF: 4513542.7/31

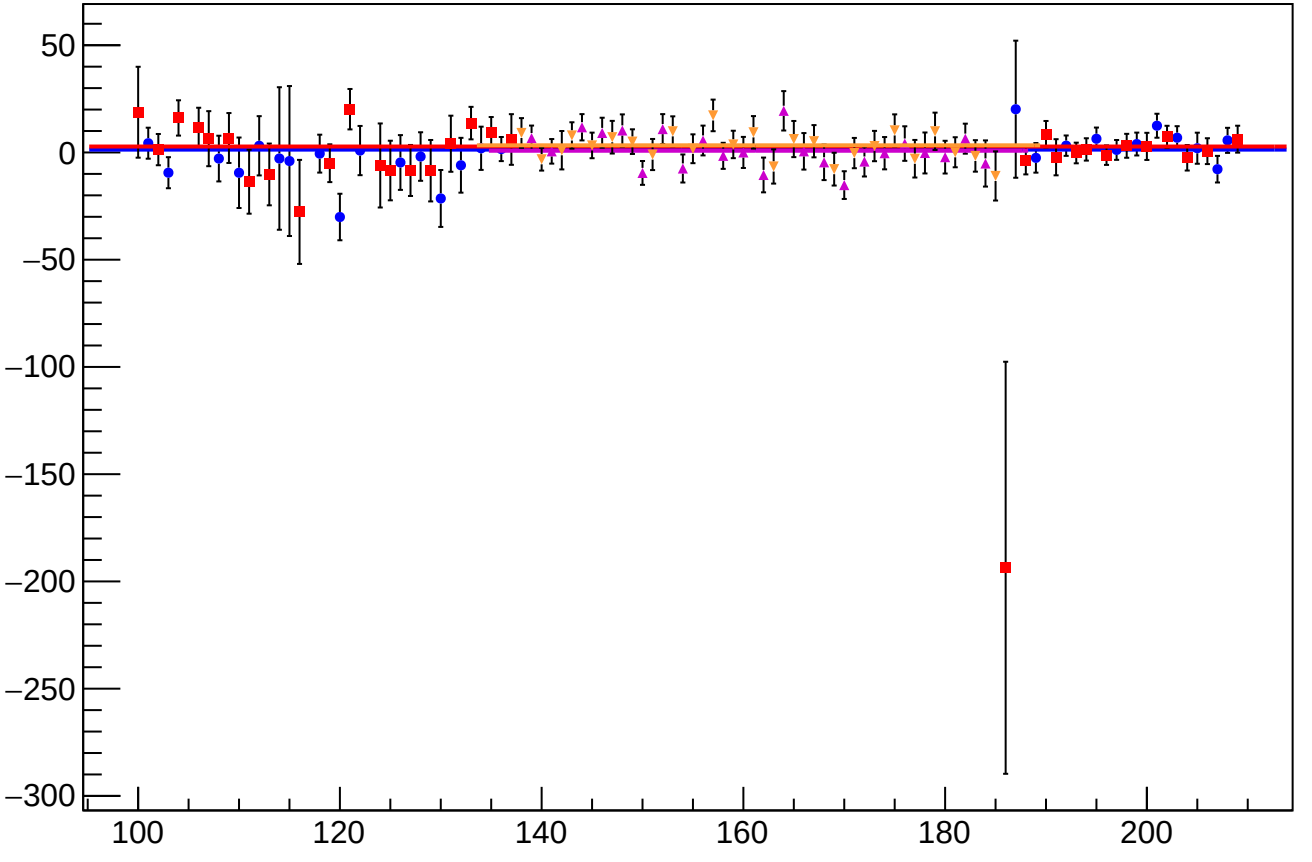
Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9234.892+/-1.180 χ^2/NDF: 8749994.1/51

All: 9365.468+/-0.847 χ^2/NDF: 18637978.9/1

- sign 9504.150+/-1.216 χ^2/NDF: 9862741.2/54

diff_targ_positionY_mean vs Slug



Right In: 1.324+/-1.444 χ^2/NDF: 24.8/26

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.767+/-1.367 χ^2/NDF: 27.2/31

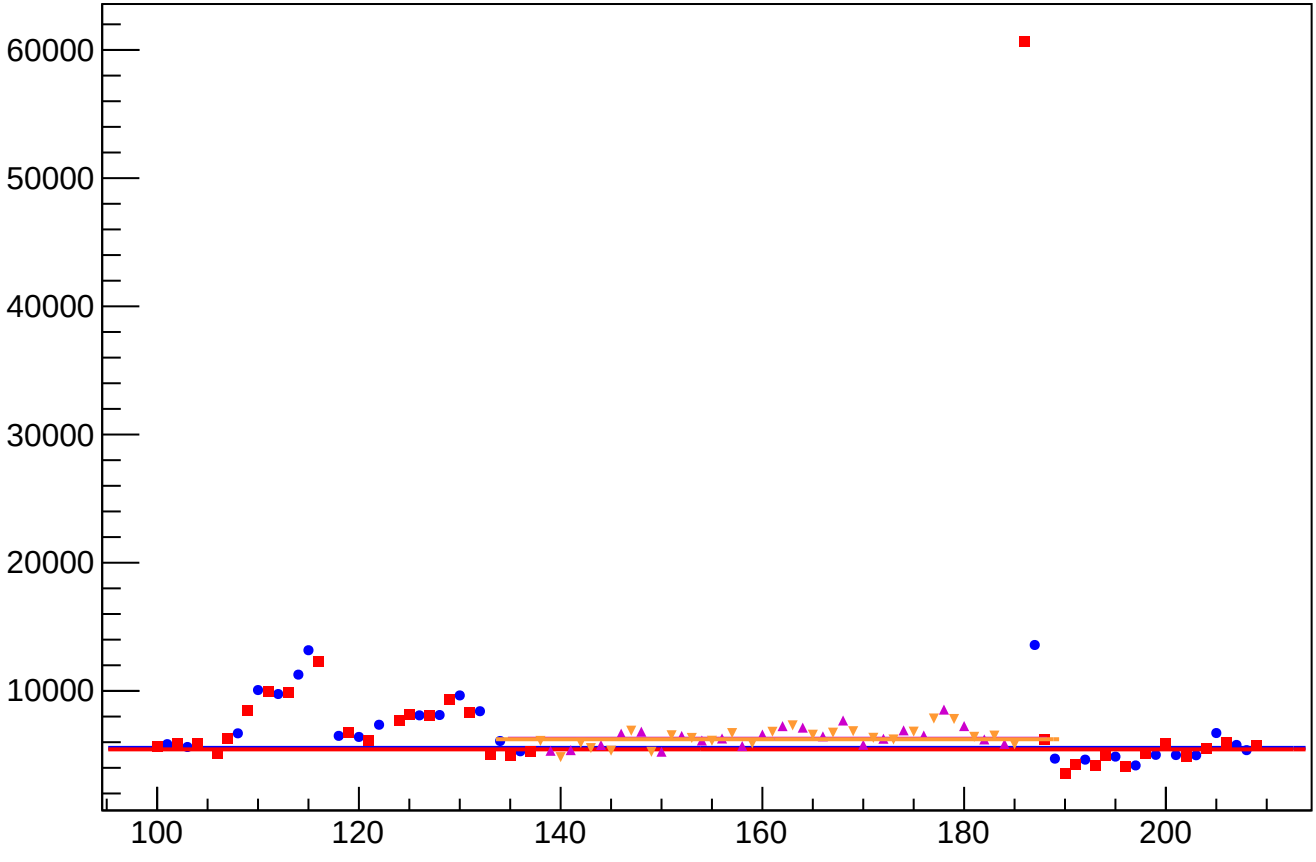
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.336+/-1.016 χ^2/NDF: 42.7/51

All: 2.095+/-0.714 χ^2/NDF: 100.4/106

- sign 1.859+/-1.004 χ^2/NDF: 57.6/54

diff_targ_positionY_rms vs Slug



Right In: 5556.163+/-1.021 χ^2/NDF: 1641726.9/26

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5440.563+/-0.967 χ^2/NDF: 2500966.1/31

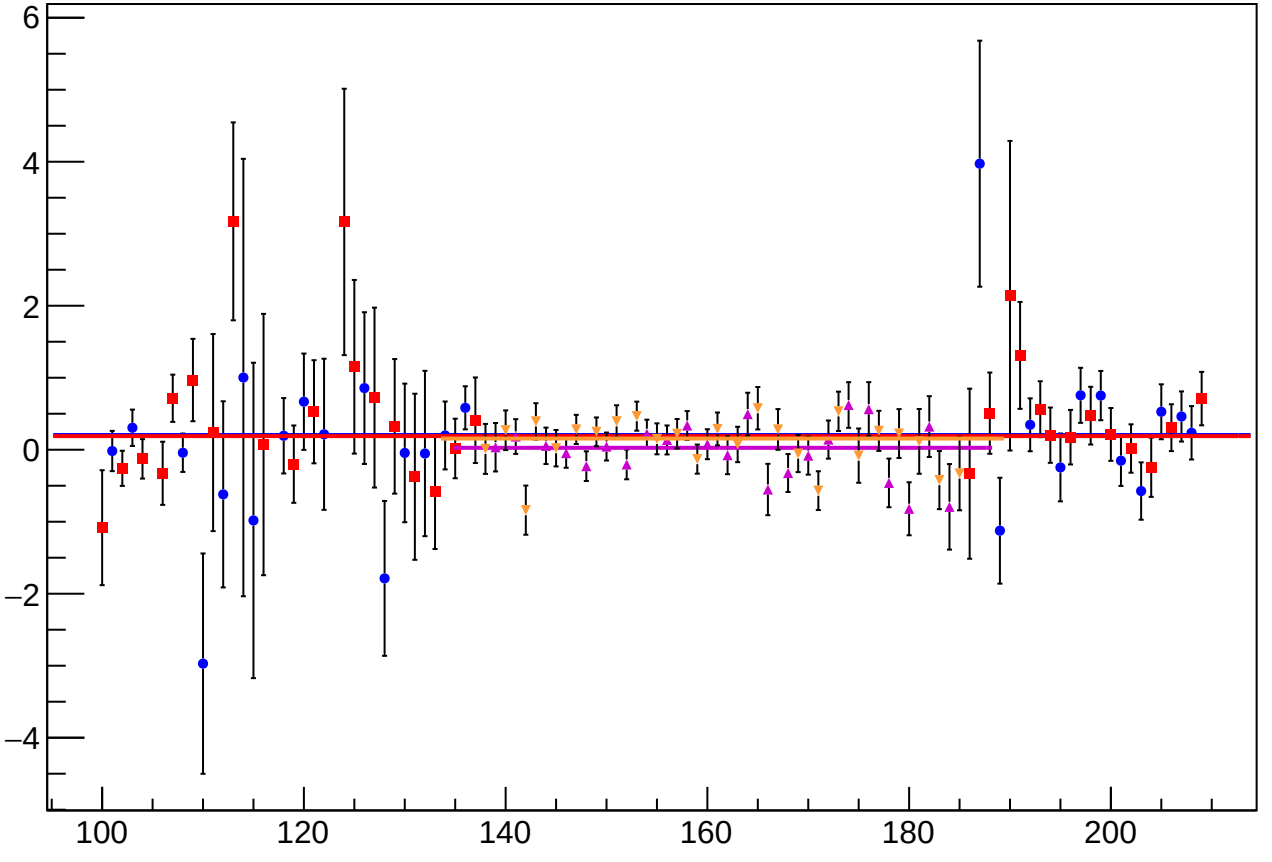
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5896.649+/-0.719 χ^2/NDF: 2394751.8/51

All: 5859.459+/-0.505 χ^2/NDF: 5745732.0/10

- sign 5823.172+/-0.710 χ^2/NDF: 3345687.5/54

diff_targ_thetaX_mean vs Slug



Right In: 0.204+/-0.086 χ^2/NDF: 32.7/26

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.189+/-0.084 χ^2/NDF: 32.0/31

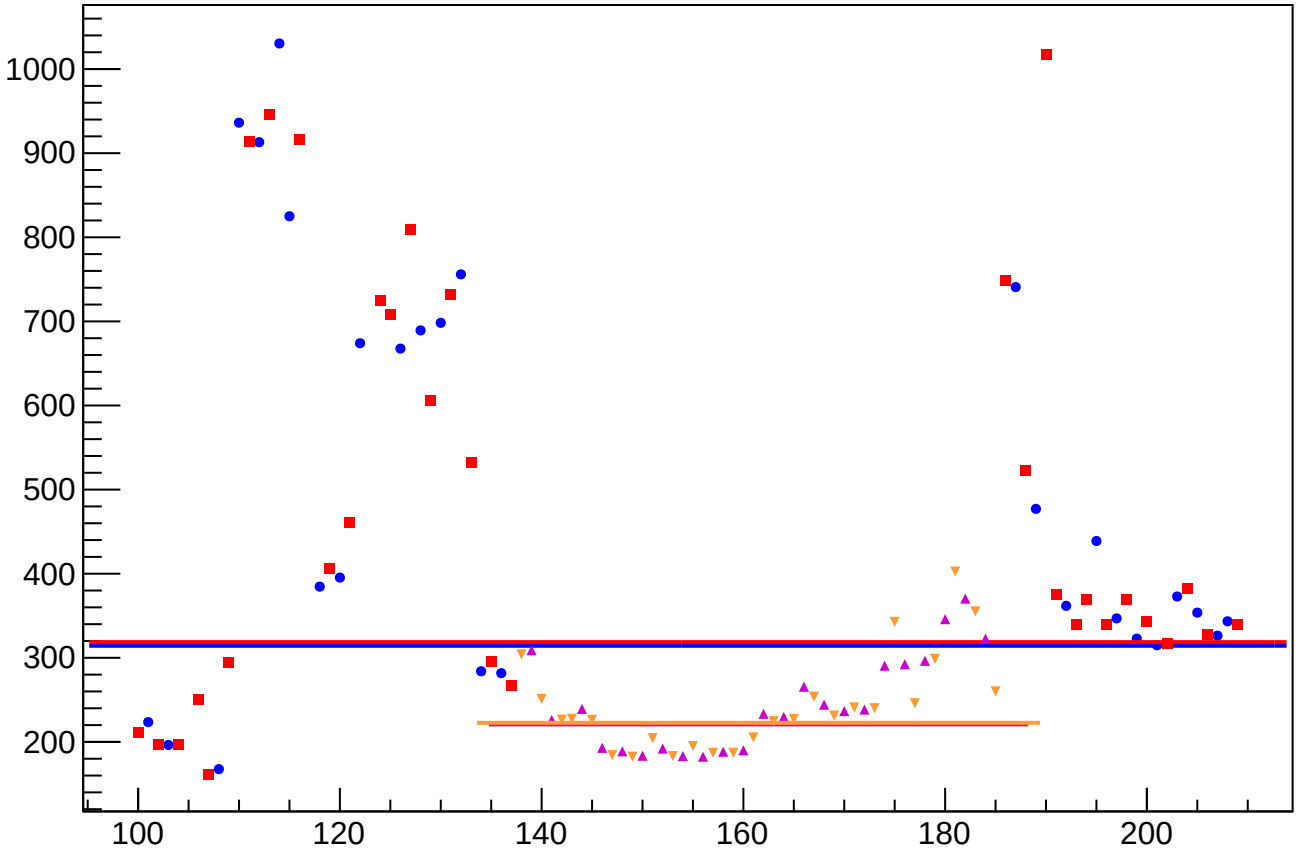
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.169+/-0.044 χ^2/NDF: 65.2/51

All: 0.121+/-0.032 χ^2/NDF: 131.9/106

- sign 0.073+/-0.045 χ^2/NDF: 64.4/54

diff_targ_thetaX_rms vs Slug



Right In: 314.330+/-0.061 χ^2/NDF: 4135792.2/26

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 318.677+/-0.060 χ^2/NDF: 4706684.4/31

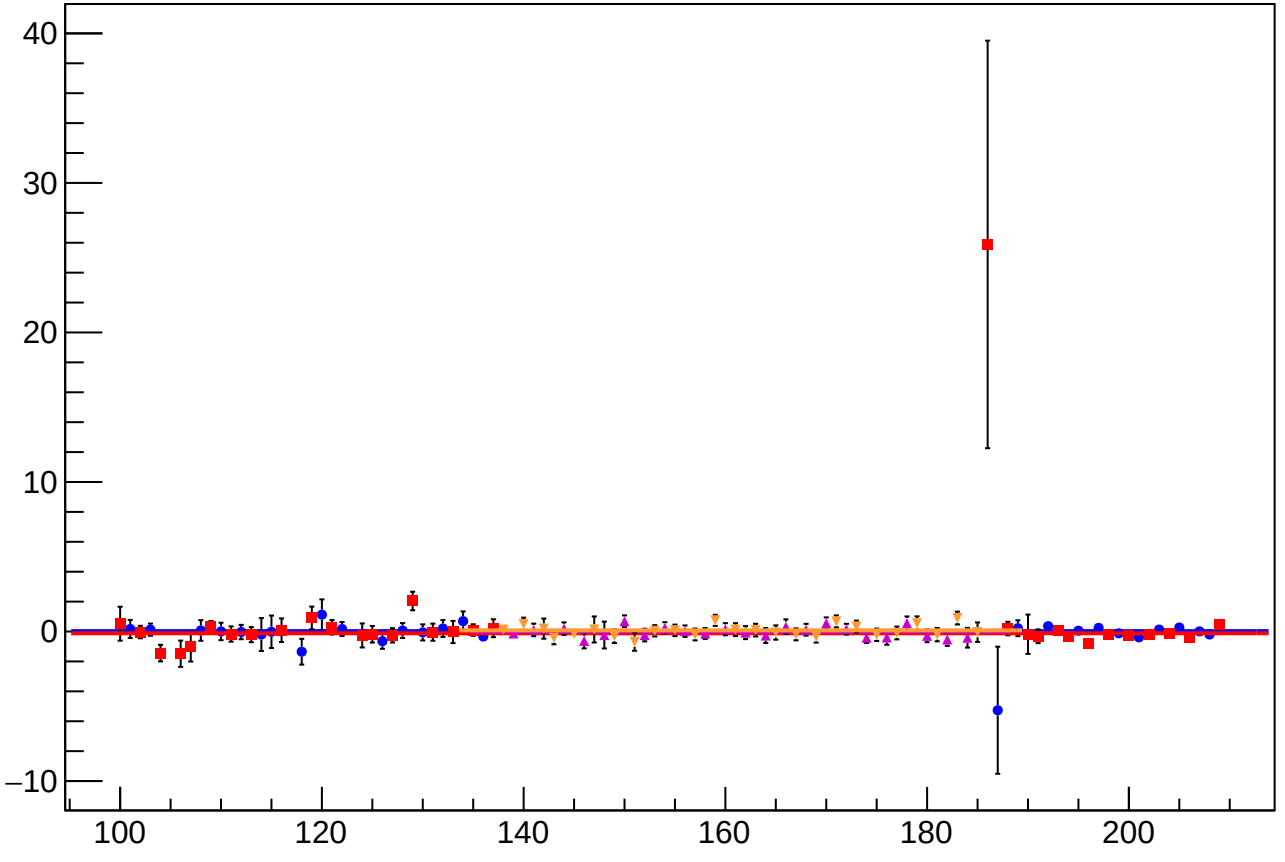
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 247.329+/-0.031 χ^2/NDF: 7259790.5/51

All: 247.944+/-0.022 χ^2/NDF: 15376171.0/10

- sign 248.572+/-0.032 χ^2/NDF: 8115605.0/54

diff_targ_thetaY_mean vs Slug



Right In: 0.026+/-0.070 χ^2/NDF: 16.9/26

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.118+/-0.070 χ^2/NDF: 46.3/31

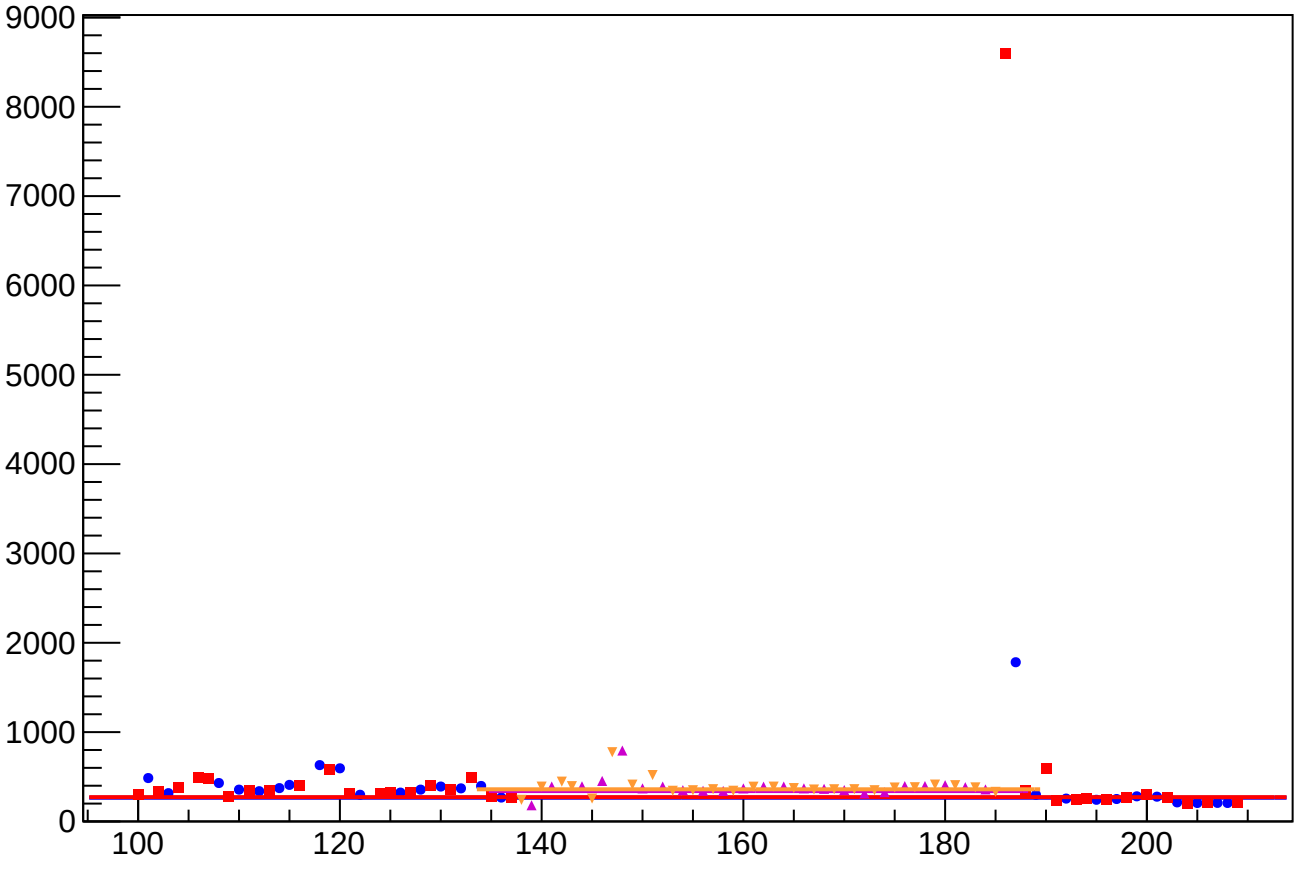
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.048+/-0.054 χ^2/NDF: 36.1/51

All: -0.013+/-0.038 χ^2/NDF: 101.1/106

- sign -0.073+/-0.053 χ^2/NDF: 62.5/54

diff_targ_thetaY_rms vs Slug



Right In: 265.517+/-0.050 χ^2/NDF: 2299368.5/26

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

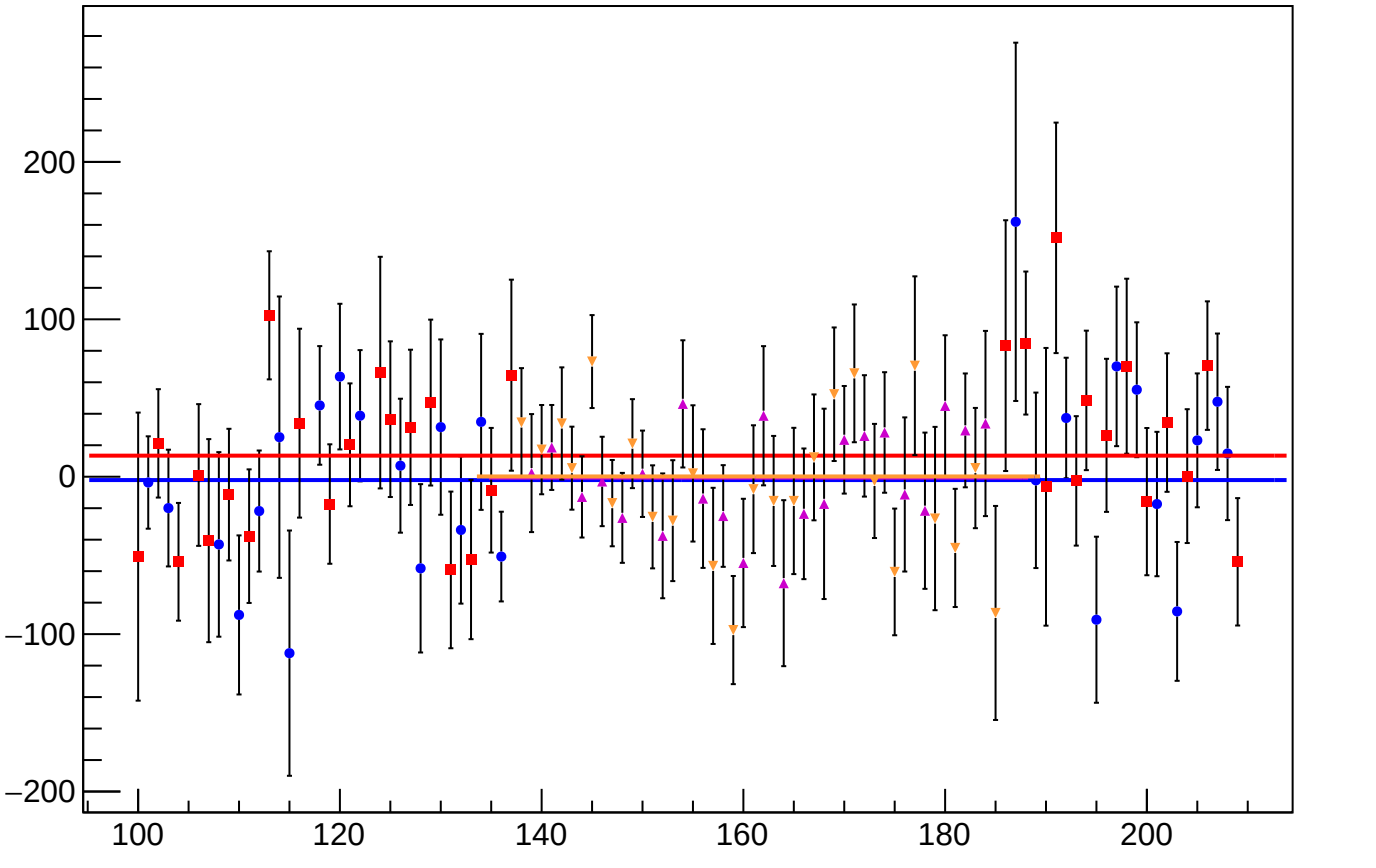
Right Out: 272.077+/-0.049 χ^2/NDF: 2654403.5/31

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 304.156+/-0.038 χ^2/NDF: 5124613.1/51

All: 302.146+/-0.027 χ^2/NDF: 10798875.8/10

- sign 300.183+/-0.038 χ^2/NDF: 5668765.5/54



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

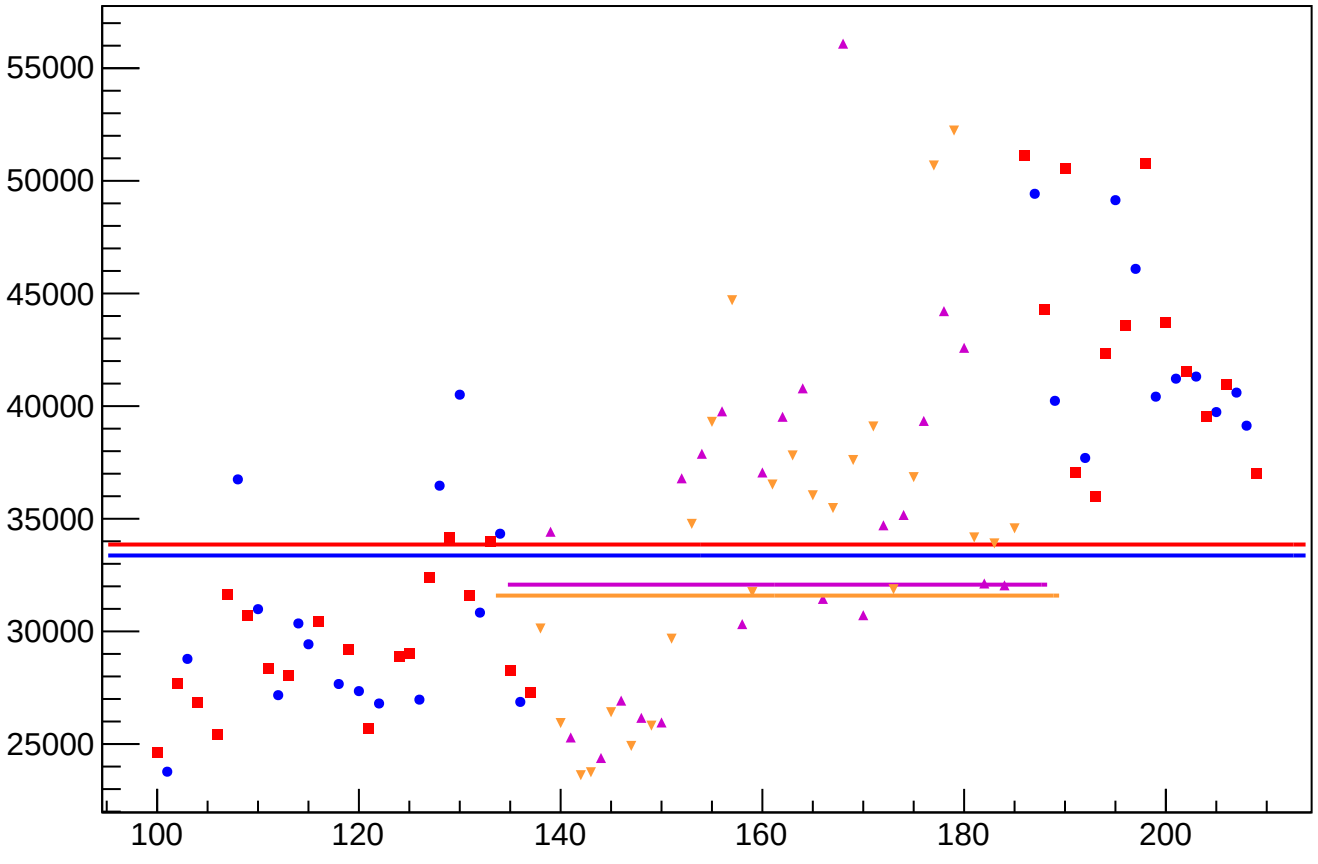
Right Out: 13.387+/-8.339 χ^2/NDF: 32.3/31

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -0.805+/-5.598 χ^2/NDF: 62.3/51

All: 2.478+/-3.975 χ^2/NDF: 109.6/106

- sign 5.815+/-5.644 χ^2/NDF: 46.6/54



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

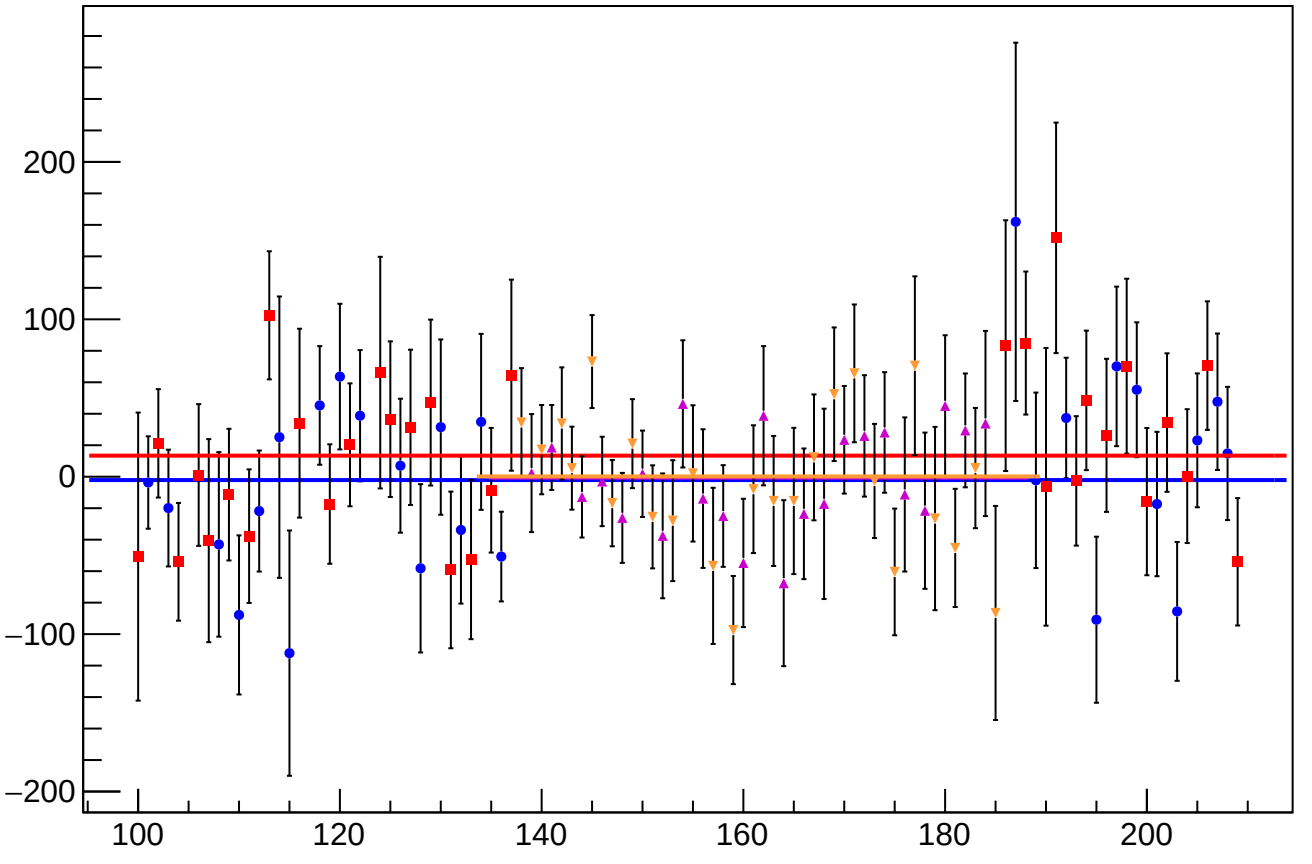
Right Out: 33856.292+/-5.896 χ^2/NDF: 1410006.2/31

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32344.150+/-3.958 χ^2/NDF: 2995631.5/51

All: 32615.371+/-2.810 χ^2/NDF: 5920270.7/1

- sign 32891.058+/-3.991 χ^2/NDF: 2915172.5/54



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

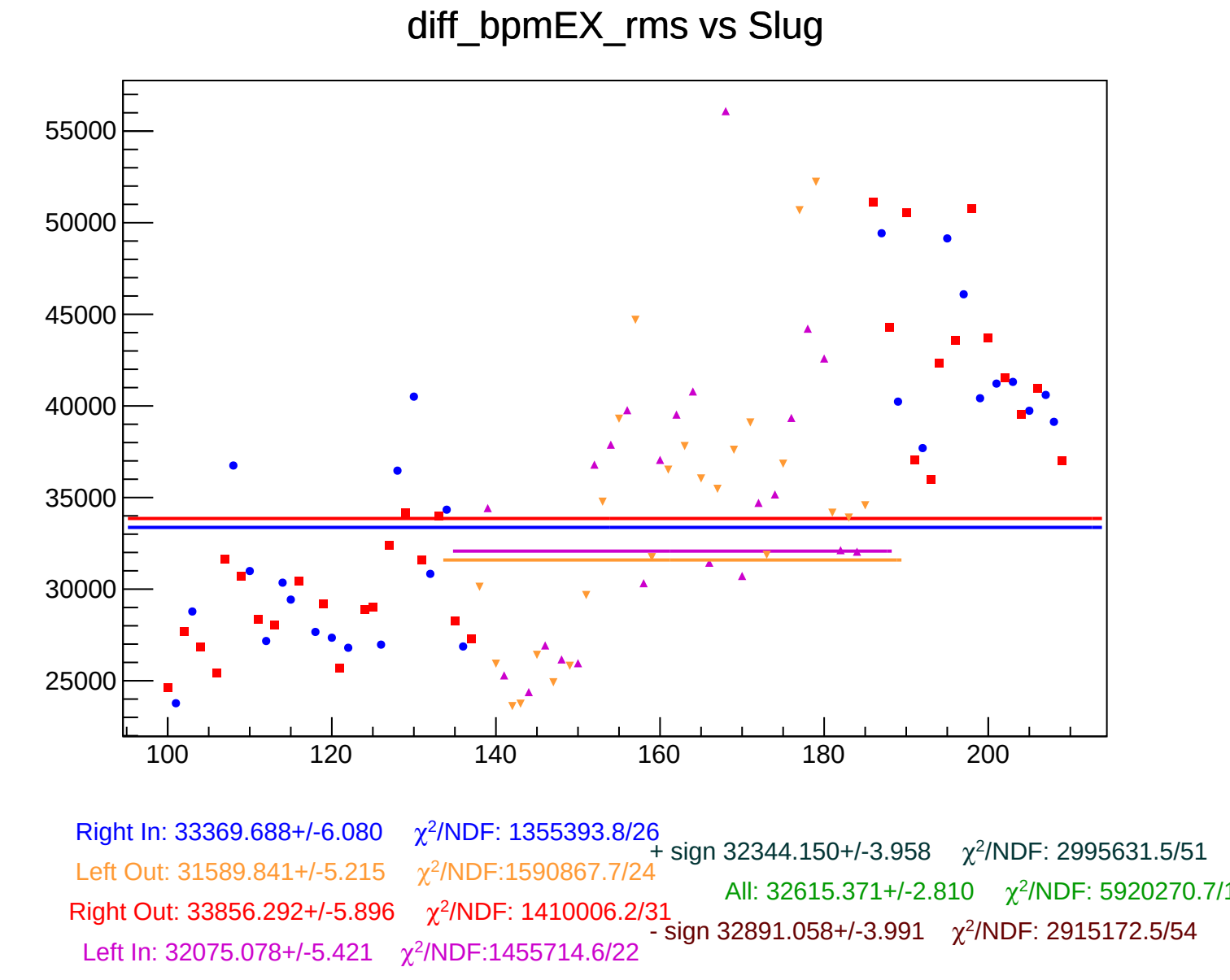
Right Out: 13.387+/-8.339 χ^2/NDF: 32.3/31

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

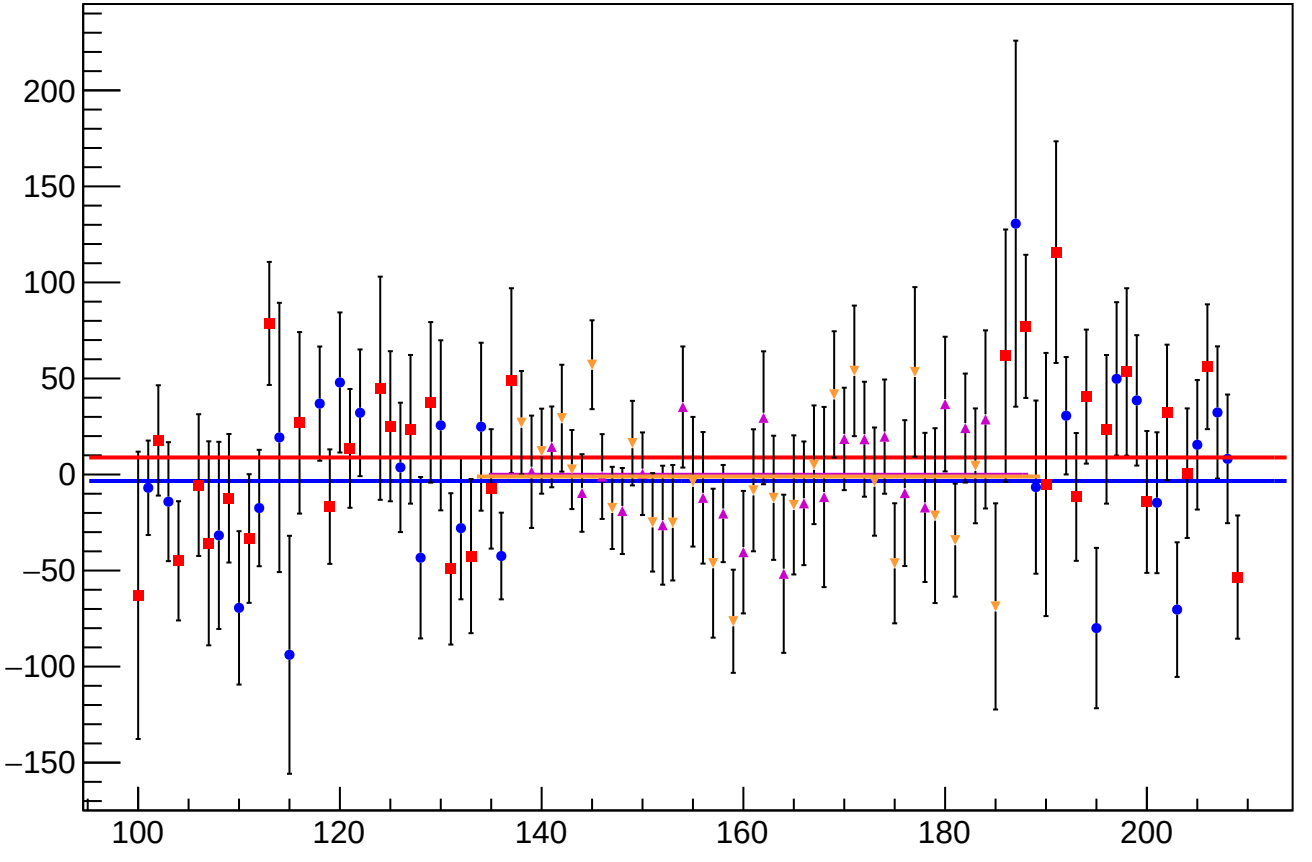
+ sign -0.805+/-5.598 χ^2/NDF: 62.3/51

All: 2.478+/-3.975 χ^2/NDF: 109.6/106

- sign 5.815+/-5.644 χ^2/NDF: 46.6/54


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33369.688+/-6.080 χ²/NDF: 1355393.8/26
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33856.292+/-5.896 χ²/NDF: 1410006.2/31
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32344.150+/-3.958 χ²/NDF: 2995631.5/51
All: 32615.371+/-2.810 χ²/NDF: 5920270.7/1
- sign 32891.058+/-3.991 χ²/NDF: 2915172.5/54

diff_bpmE_11X12X_mean vs Slug



Right In: -3.371+/-6.869 χ^2/NDF: 31.0/26

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 8.877+/-6.660 χ^2/NDF: 35.1/31

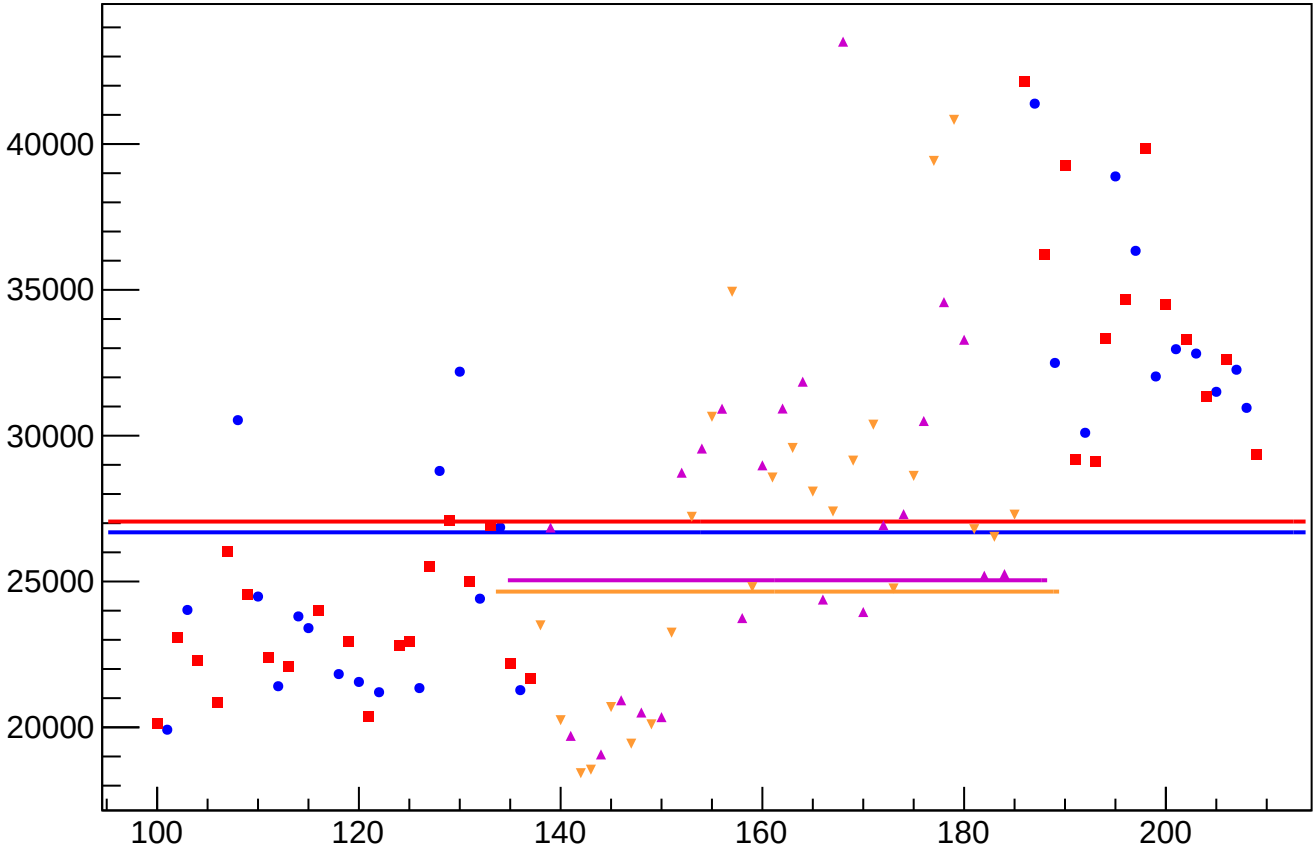
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.002+/-4.411 χ^2/NDF: 63.4/51

All: 0.914+/-3.133 χ^2/NDF: 112.5/106

- sign 3.885+/-4.452 χ^2/NDF: 48.3/54

diff_bpmE_11X12X_rms vs Slug



Right In: 26686.386+/-4.857 χ^2/NDF: 1300453.0/26

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

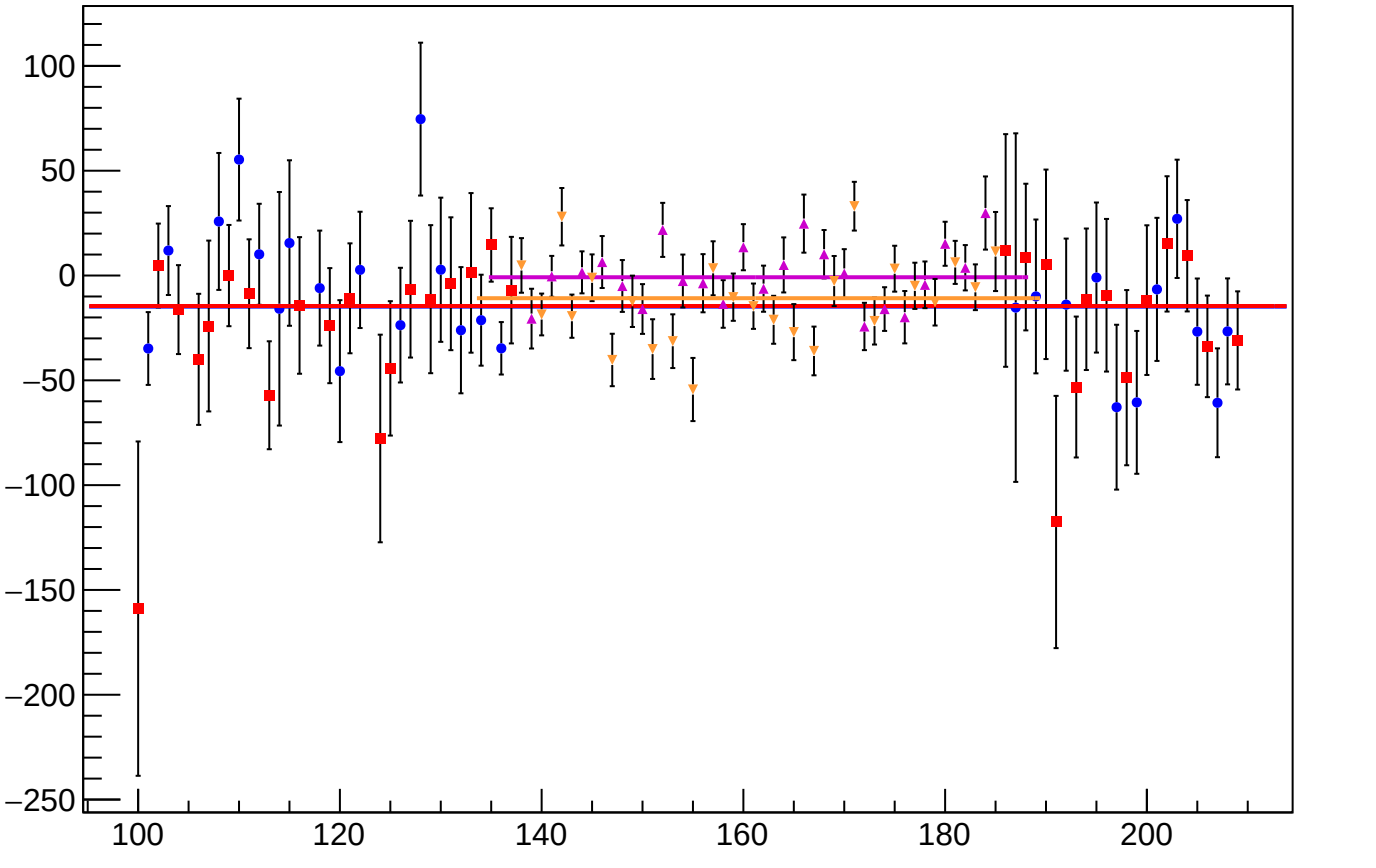
Right Out: 27055.599+/-4.710 χ^2/NDF: 1373562.2/31

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25492.107+/-3.119 χ^2/NDF: 2986039.2/51

All: 25714.758+/-2.216 χ^2/NDF: 5912667.5/1

- sign 25941.501+/-3.148 χ^2/NDF: 2916344.4/54



Right In: -14.817+/-5.178 χ^2/NDF: 31.7/26

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -14.547+/-5.253 χ^2/NDF: 22.5/31

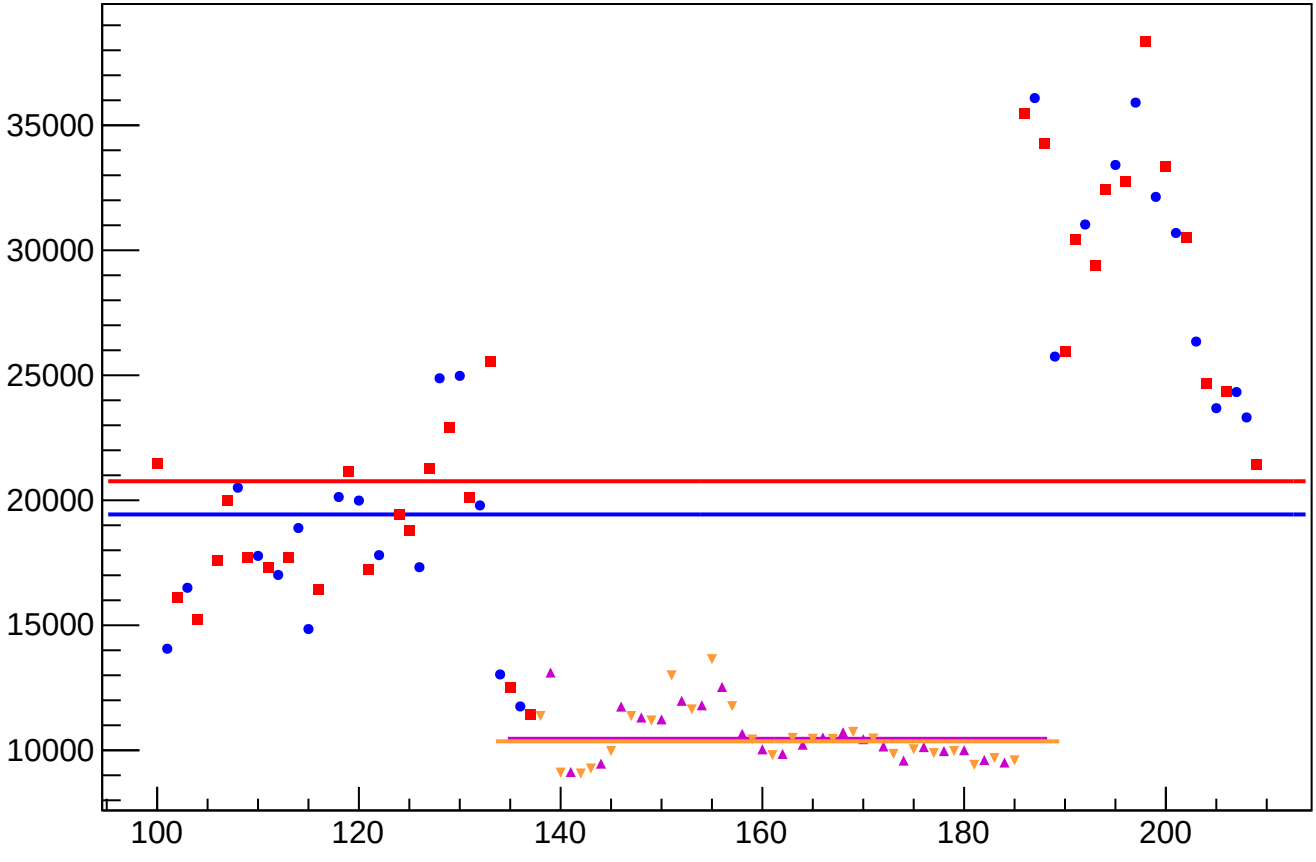
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.514+/-2.155 χ^2/NDF: 93.5/51

All: -7.534+/-1.548 χ^2/NDF: 158.0/106

- sign -3.289+/-2.226 χ^2/NDF: 57.5/54

diff_bpm4aesumX_rms vs Slug



Right In: 19433.345+/-3.661 χ^2/NDF: 3187033.6/26

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20761.666+/-3.714 χ^2/NDF: 3175356.7/31

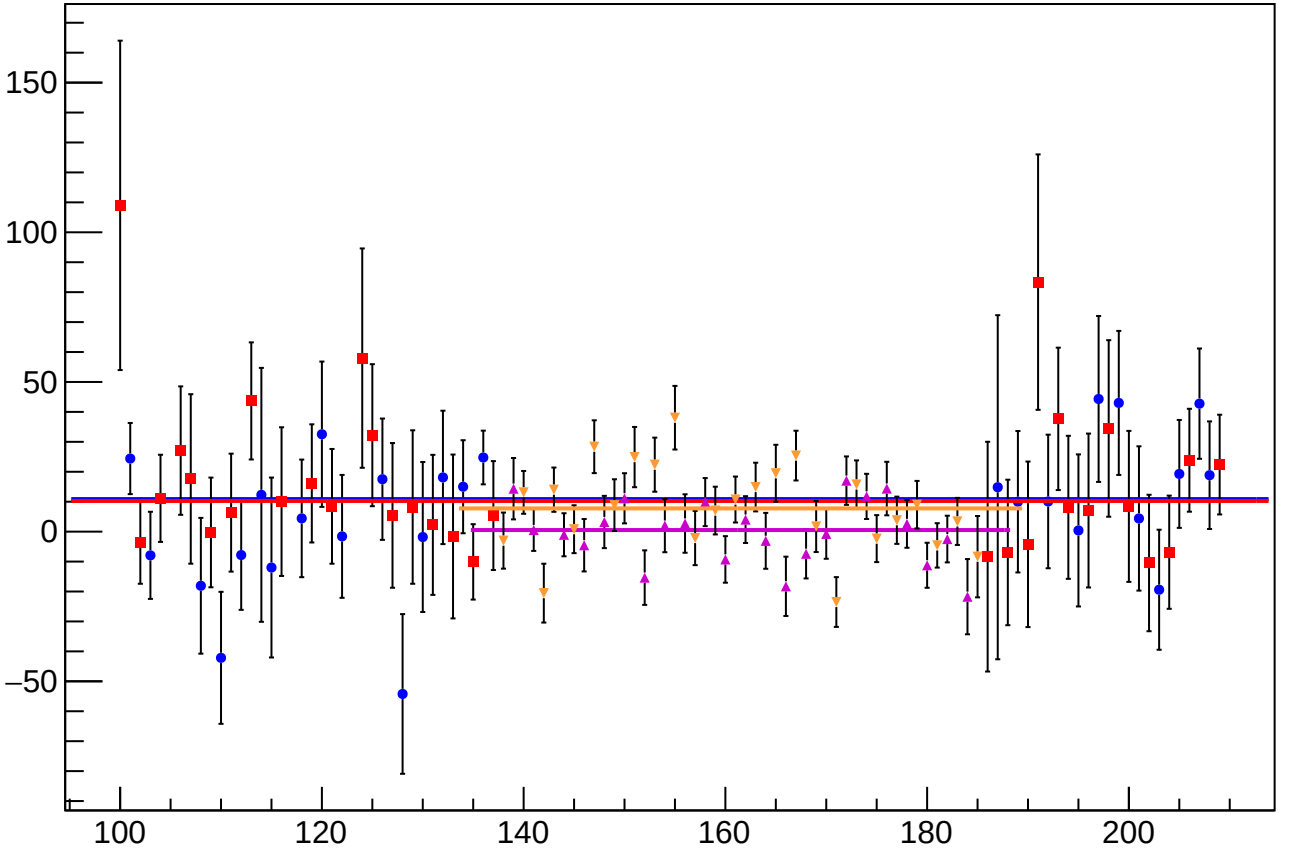
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11930.607+/-1.524 χ^2/NDF: 8629033.6/51

All: 12113.466+/-1.095 χ^2/NDF: 18461050.1

- sign 12308.457+/-1.574 χ^2/NDF: 9802267.9/54

diff_bpm4aediffX_mean vs Slug



Right In: 10.870+/-3.698 χ^2/NDF: 31.3/26

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 10.253+/-3.758 χ^2/NDF: 22.7/31

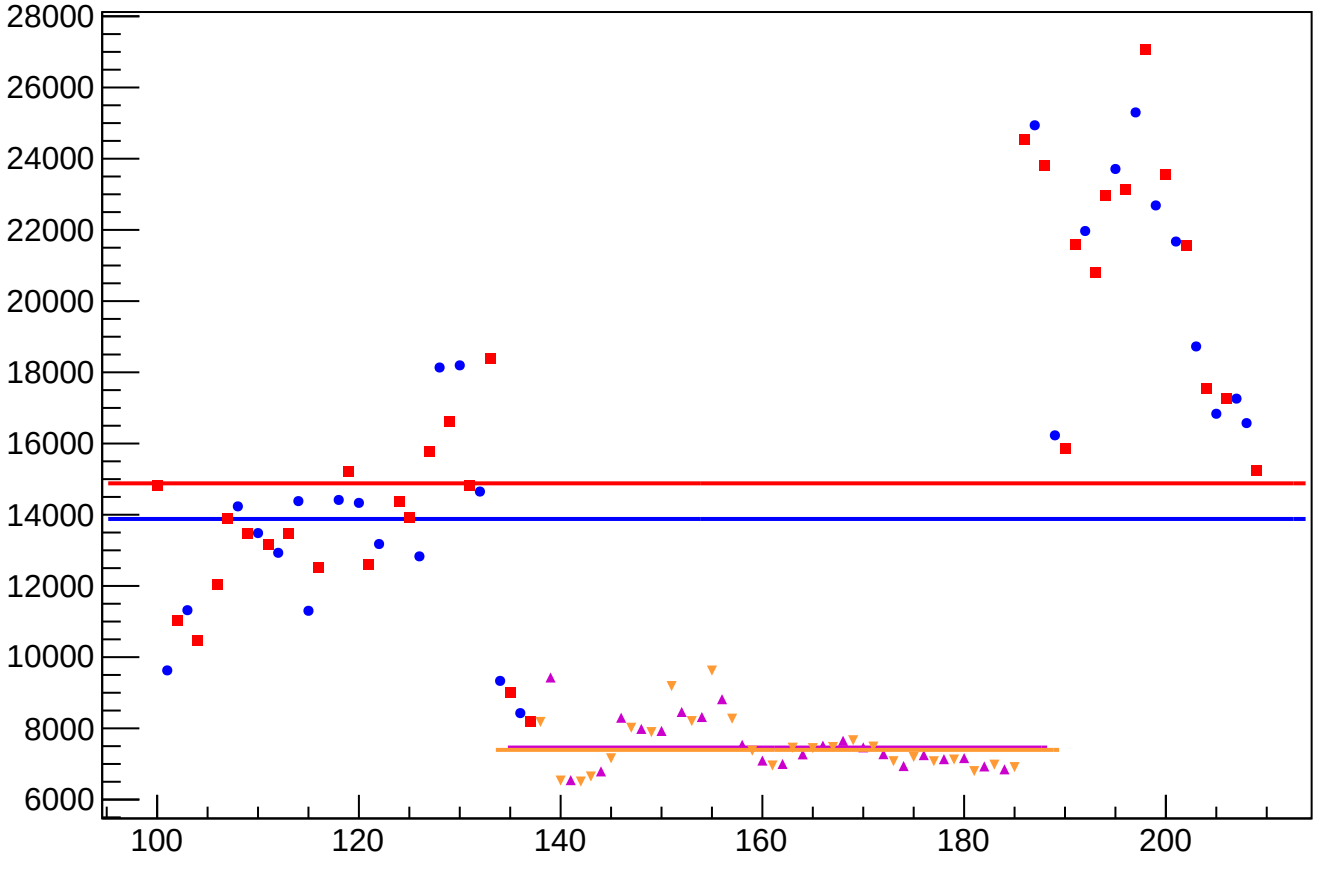
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.301+/-1.538 χ^2/NDF: 92.9/51

All: 5.380+/-1.105 χ^2/NDF: 158.0/106

- sign 2.267+/-1.588 χ^2/NDF: 57.6/54

diff_bpm4aediffX_rms vs Slug



Right In: 13881.192+/-2.615 χ^2/NDF: 3127756.0/26

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

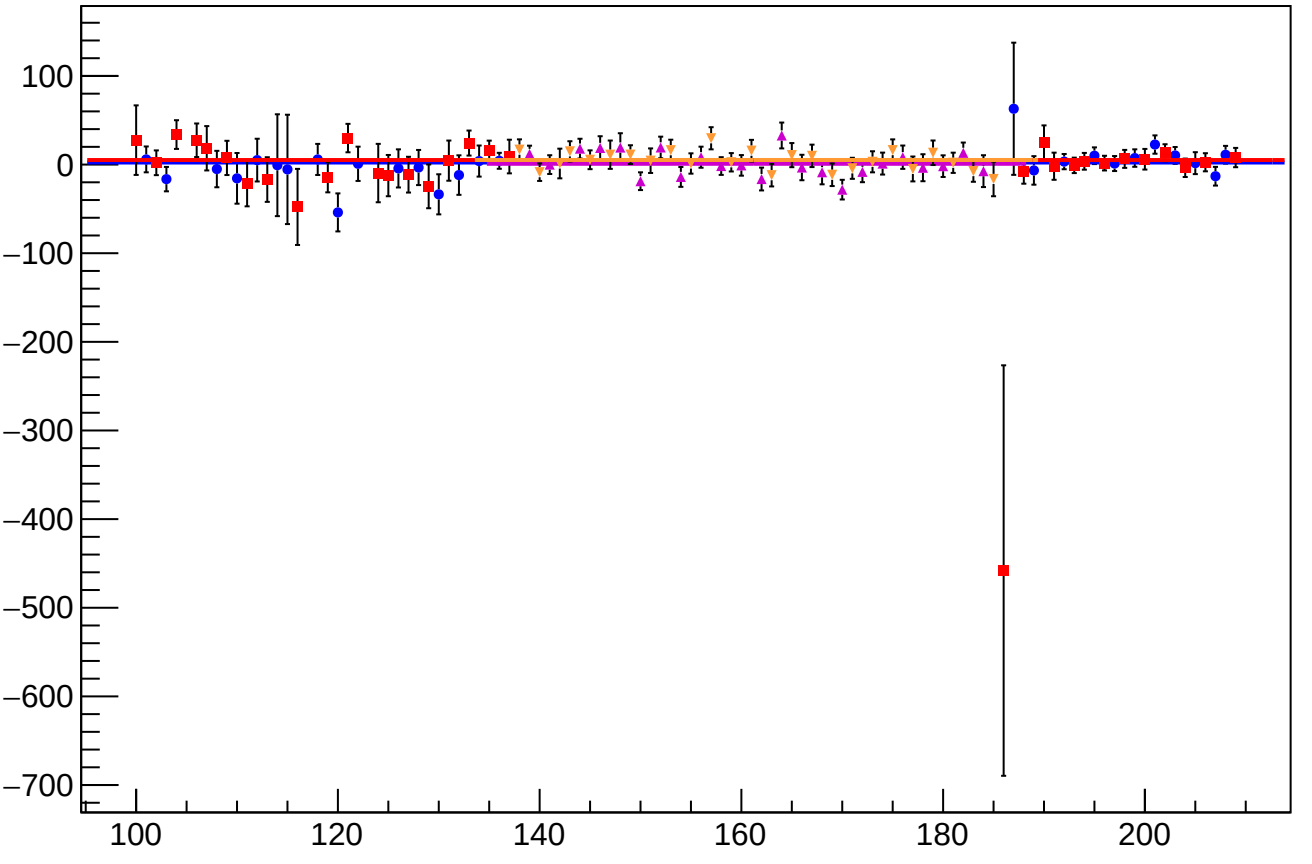
Right Out: 14881.630+/-2.657 χ^2/NDF: 3056462.9/31

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8517.904+/-1.088 χ^2/NDF: 8540052.9/51

All: 8647.543+/-0.781 χ^2/NDF: 18316190.3/1

- sign 8785.695+/-1.123 χ^2/NDF: 9746791.5/54



Right In: 2.331+/-2.607 χ^2/NDF: 21.9/26

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 5.121+/-2.512 χ^2/NDF: 26.2/31

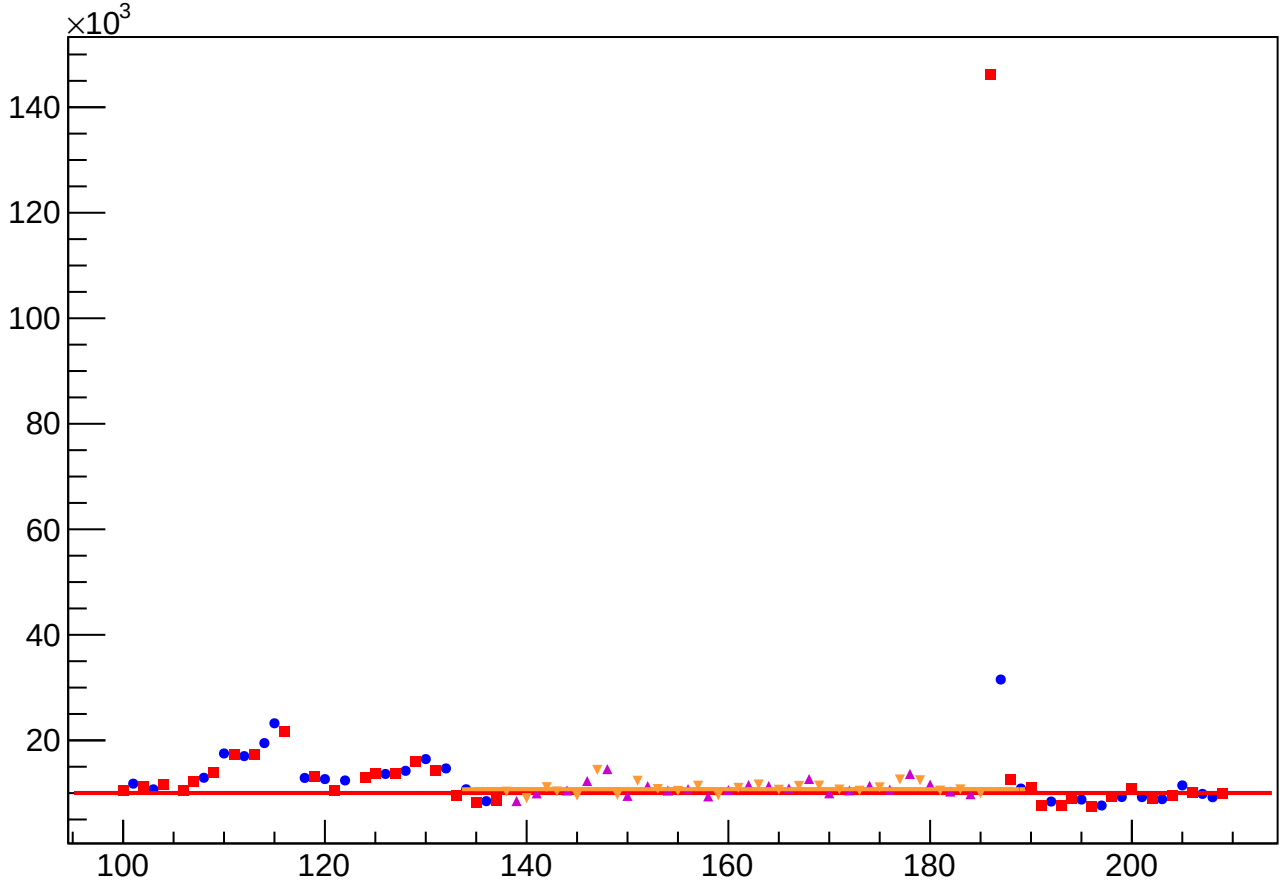
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.837+/-1.789 χ^2/NDF: 40.9/51

All: 3.422+/-1.261 χ^2/NDF: 100.5/106

- sign 3.012+/-1.779 χ^2/NDF: 59.4/54

diff_bpm4aesumY_rms vs Slug



Right In: 10030.942+/-1.843 χ^2/NDF: 1624627.1/26

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10008.834+/-1.776 χ^2/NDF: 2291483.3/31

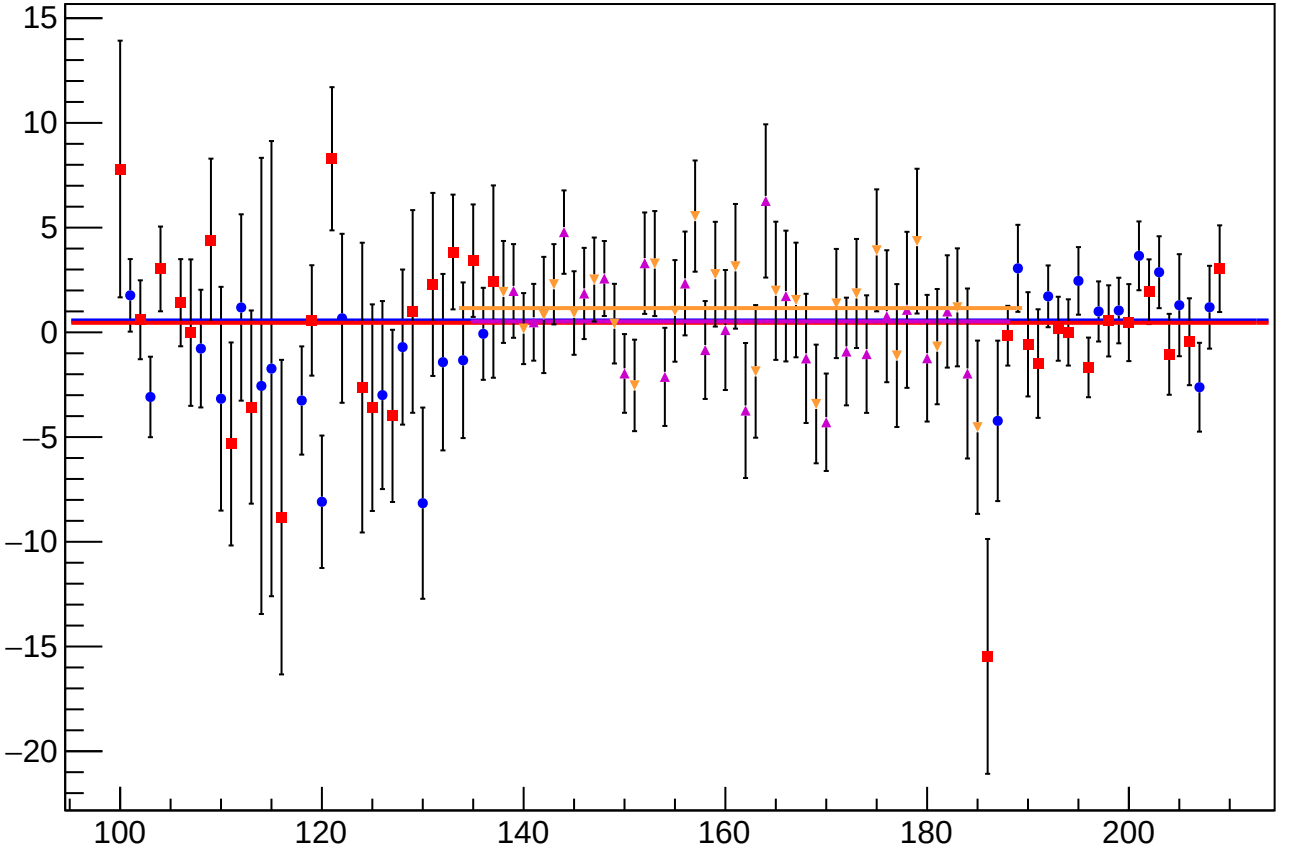
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10402.856+/-1.265 χ^2/NDF: 2069831.0/51

All: 10372.321+/-0.892 χ^2/NDF: 4933646.9/1

- sign 10342.132+/-1.258 χ^2/NDF: 2862656.9/54

diff_bpm4aediffY_mean vs Slug



Right In: 0.567+/-0.445 χ^2/NDF: 32.5/26

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.456+/-0.417 χ^2/NDF: 33.1/31

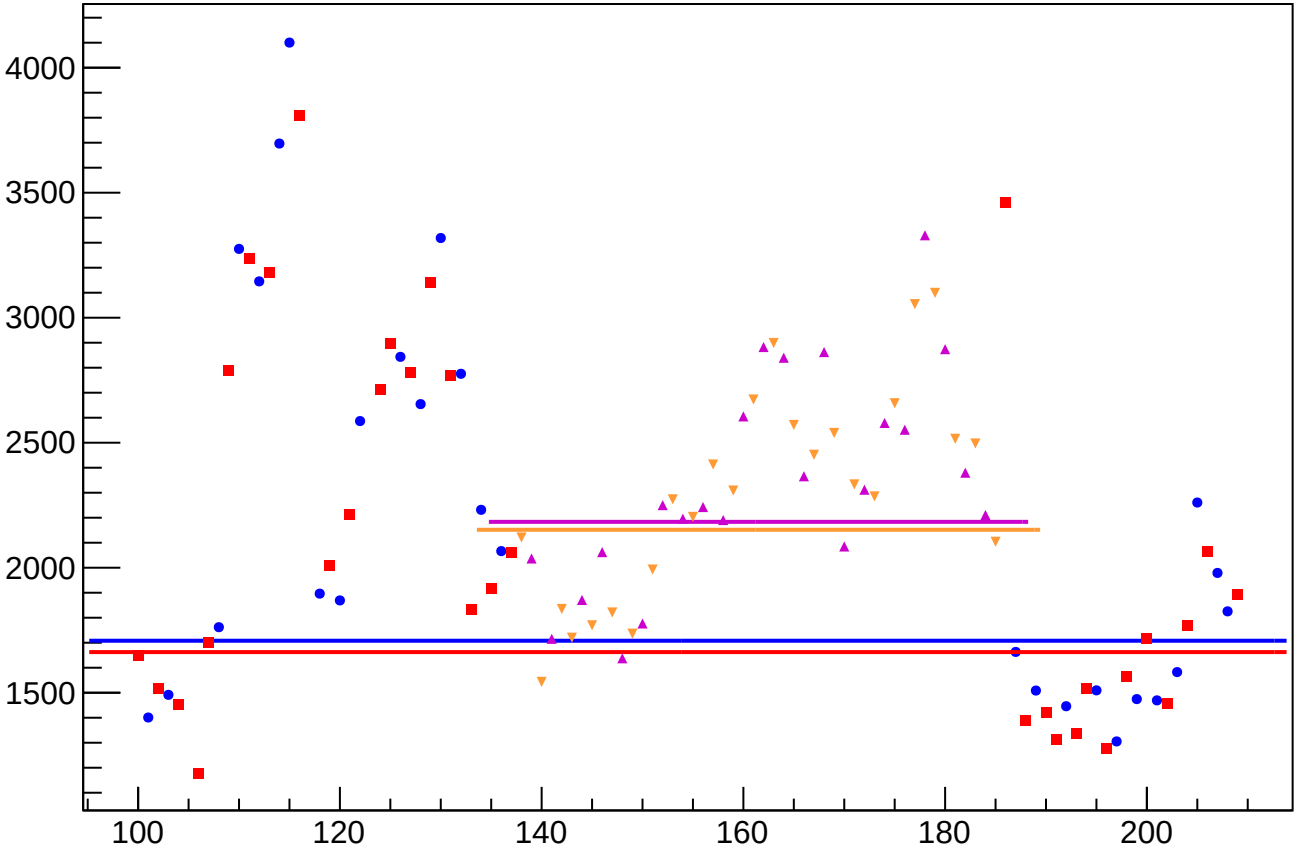
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.828+/-0.333 χ^2/NDF: 50.2/51

All: 0.651+/-0.233 χ^2/NDF: 106.1/106

- sign 0.482+/-0.325 χ^2/NDF: 55.4/54

diff_bpm4aediffY_rms vs Slug



Right In: 1707.972+/-0.315 χ^2/NDF: 1982824.2/26

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1662.563+/-0.295 χ^2/NDF: 2400006.2/31

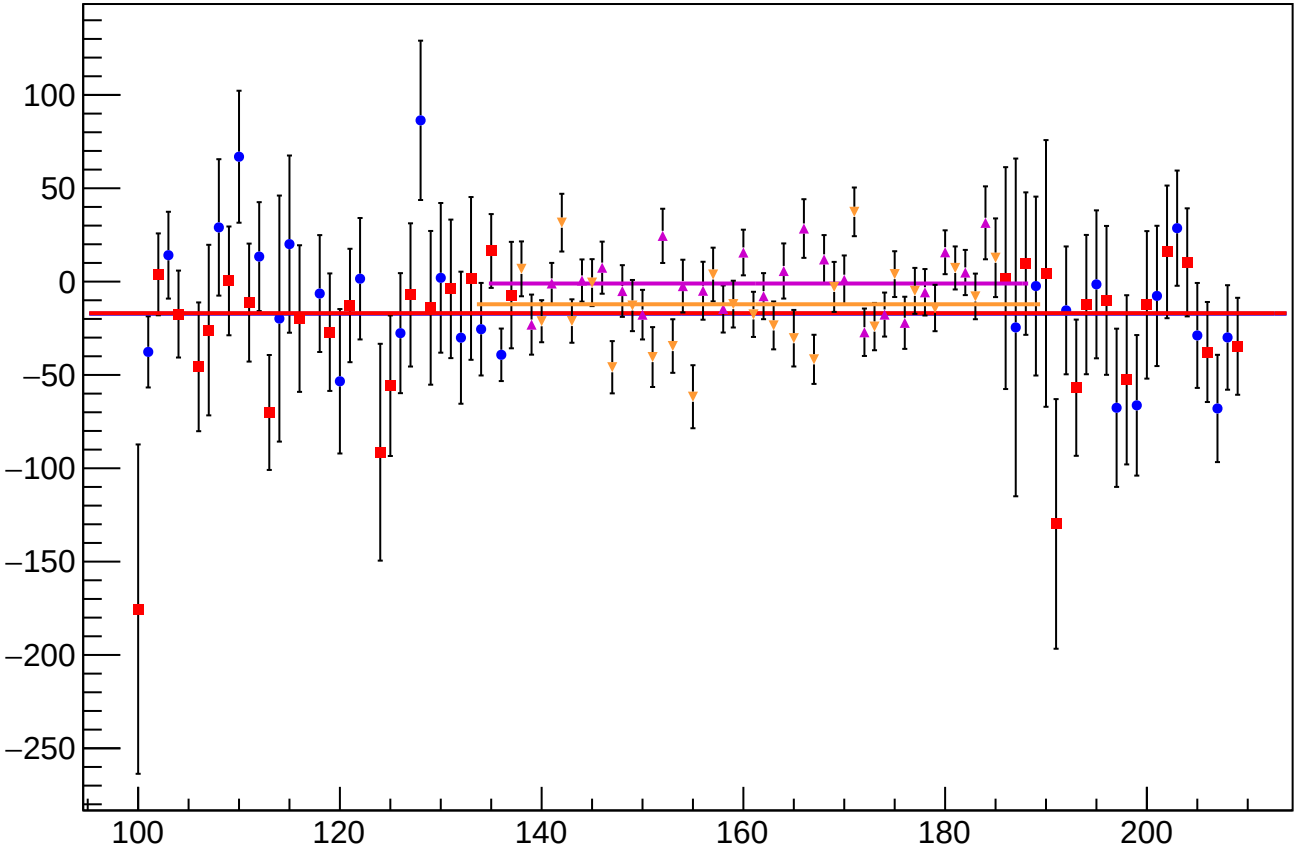
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1904.192+/-0.235 χ^2/NDF: 4210810.5/51

All: 1884.891+/-0.164 χ^2/NDF: 9008472.9/10

- sign 1866.433+/-0.230 χ^2/NDF: 4784483.0/54

diff_bpmtargetsumX_mean vs Slug



Right In: -17.180+/-5.865 χ^2/NDF: 31.3/26

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

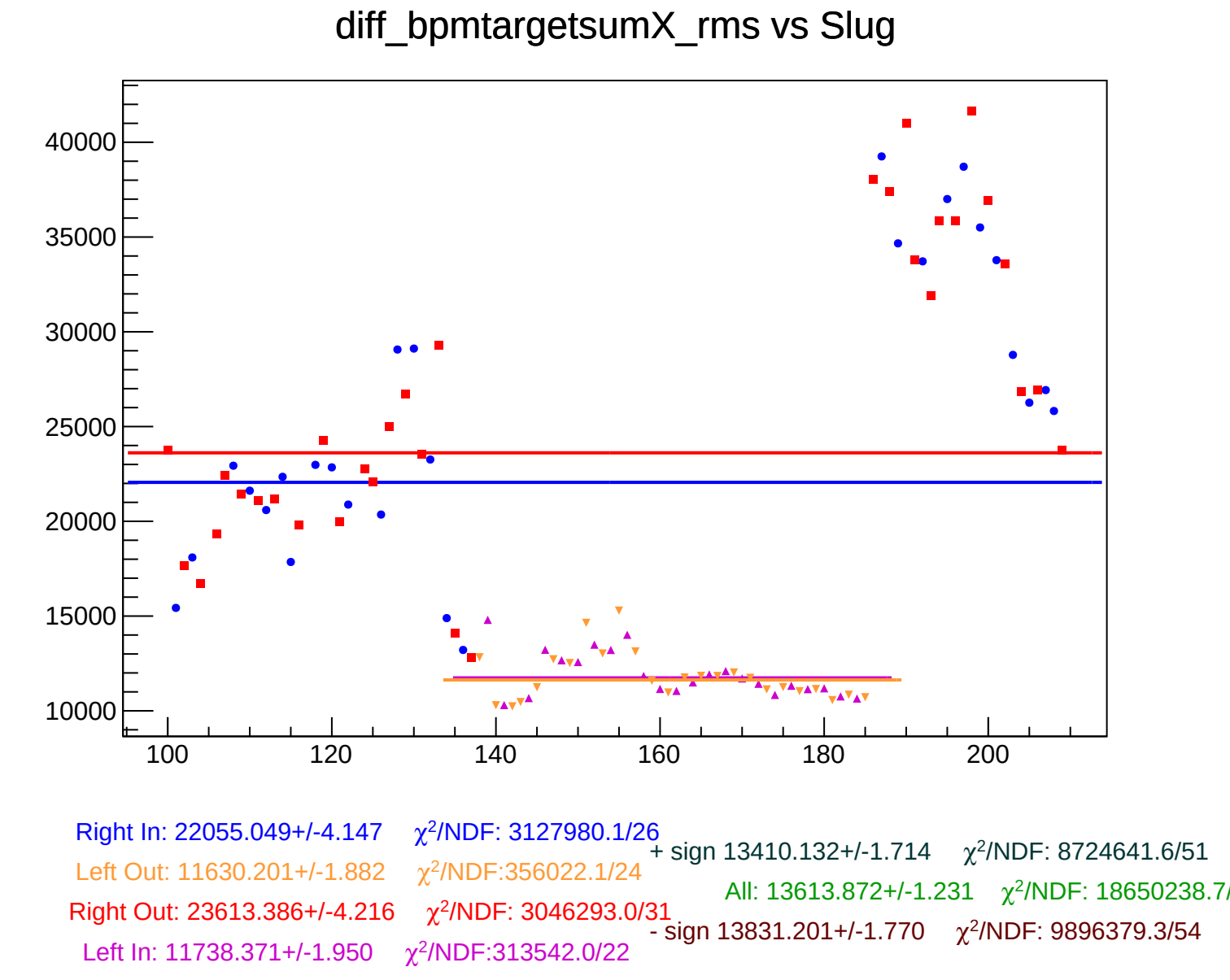
Right Out: -16.919+/-5.962 χ^2/NDF: 22.6/31

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

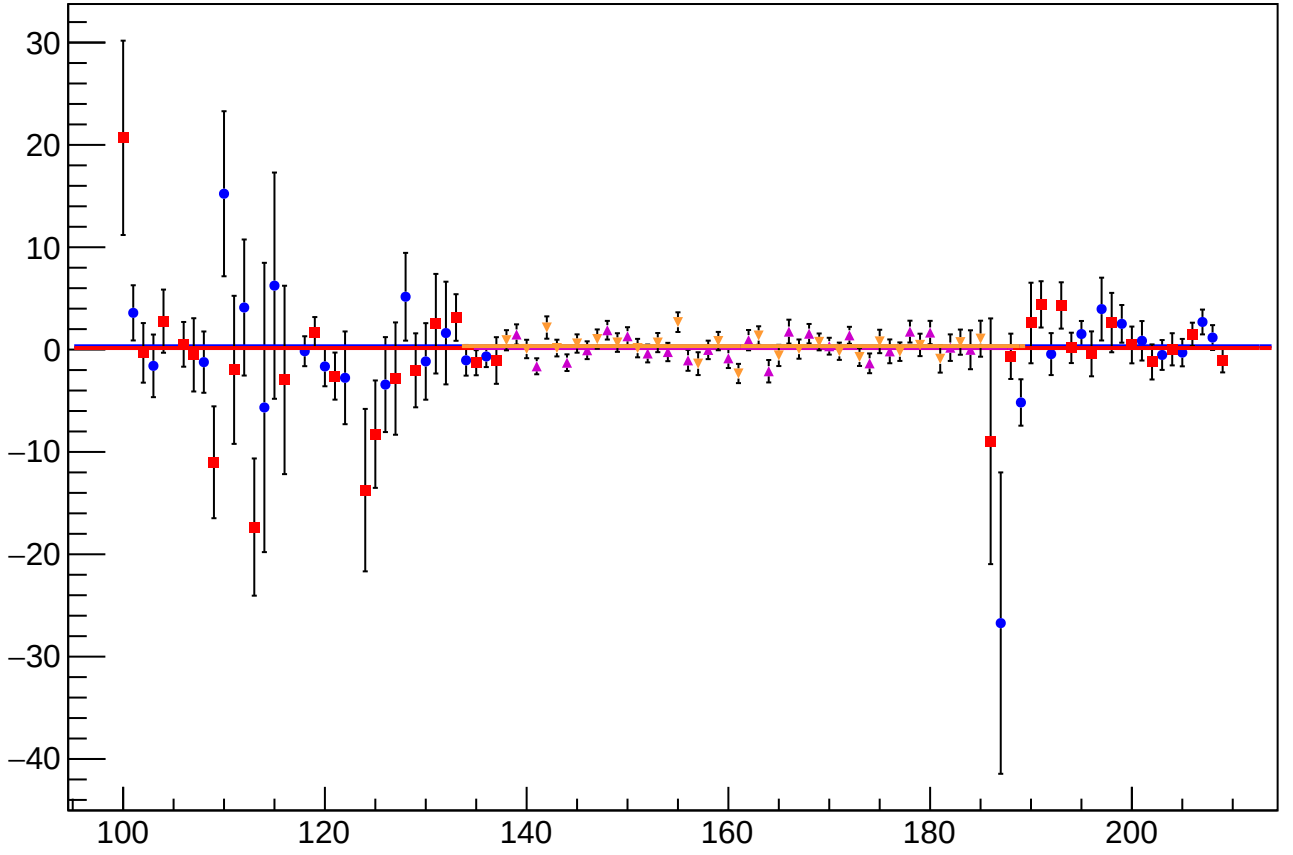
+ sign -12.996+/-2.423 χ^2/NDF: 94.6/51

All: -8.559+/-1.741 χ^2/NDF: 158.8/106

- sign -3.825+/-2.503 χ^2/NDF: 57.3/54


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22055.049+/-4.147 χ²/NDF: 3127980.1/26
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23613.386+/-4.216 χ²/NDF: 3046293.0/31
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13410.132+/-1.714 χ²/NDF: 8724641.6/51
All: 13613.872+/-1.231 χ²/NDF: 18650238.7/
- sign 13831.201+/-1.770 χ²/NDF: 9896379.3/54

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.323+/-0.381 χ^2/NDF: 29.9/26

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

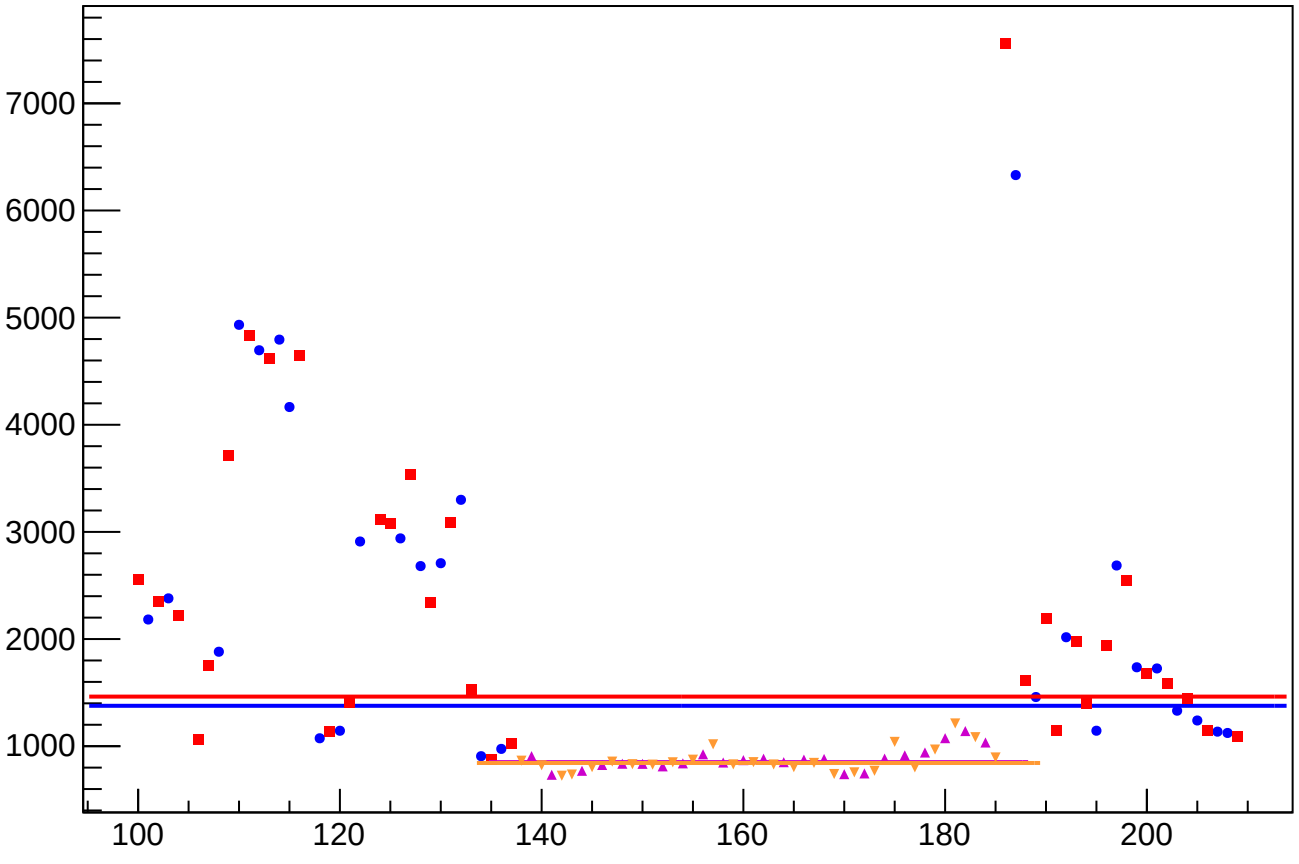
Right Out: 0.152+/-0.393 χ^2/NDF: 40.9/31

Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.339+/-0.173 χ^2/NDF: 56.7/51

All: 0.254+/-0.124 χ^2/NDF: 134.4/106

- sign 0.162+/-0.179 χ^2/NDF: 77.2/54



Right In: 1376.975+/-0.269 χ^2/NDF: 4568499.0/26

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1462.848+/-0.278 χ^2/NDF: 4911740.1/31

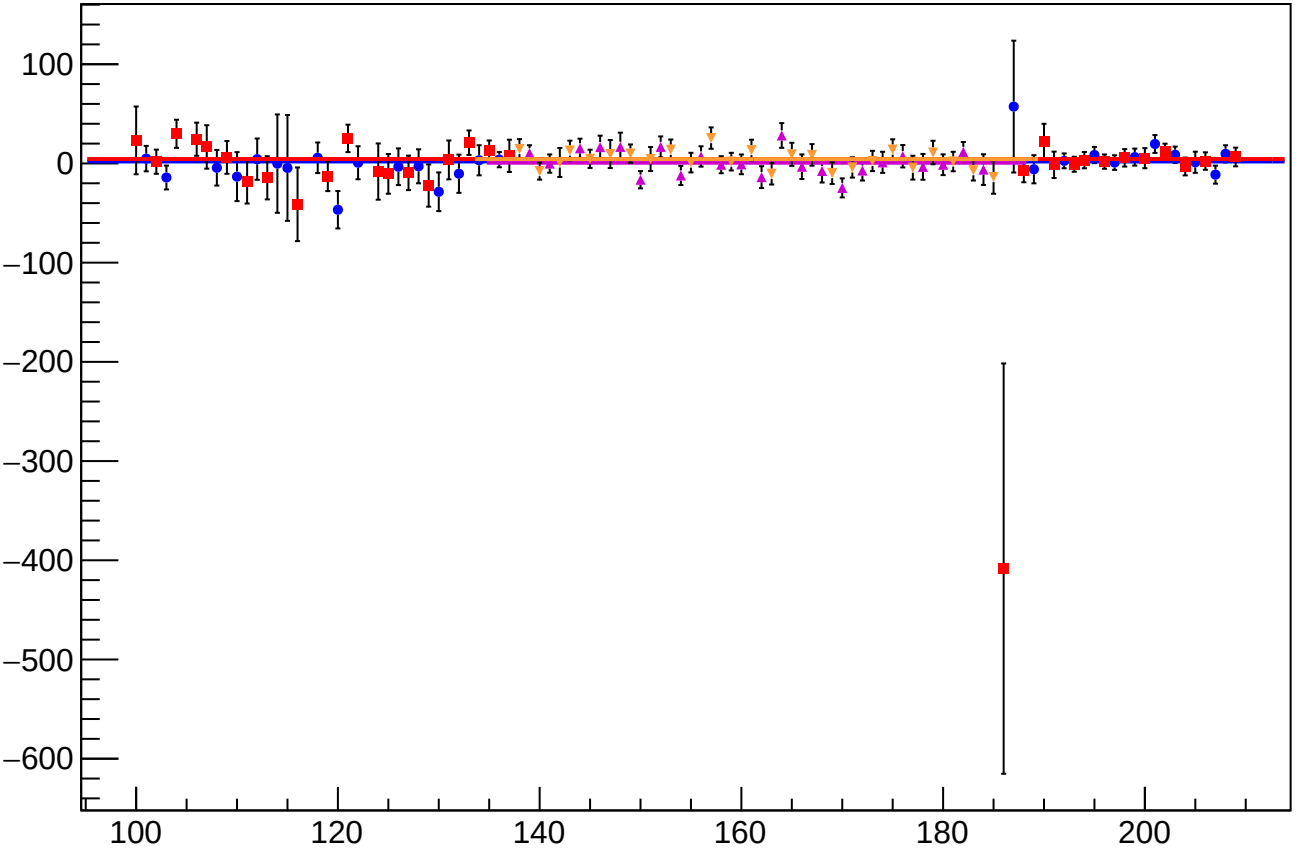
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 952.896+/-0.122 χ^2/NDF: 8190663.9/51

All: 965.076+/-0.088 χ^2/NDF: 17338880.9/10

- sign 978.139+/-0.126 χ^2/NDF: 9127604.9/54

diff_bpmtargetsumY_mean vs Slug



Right In: 2.004+/-2.260 χ^2/NDF: 21.6/26

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

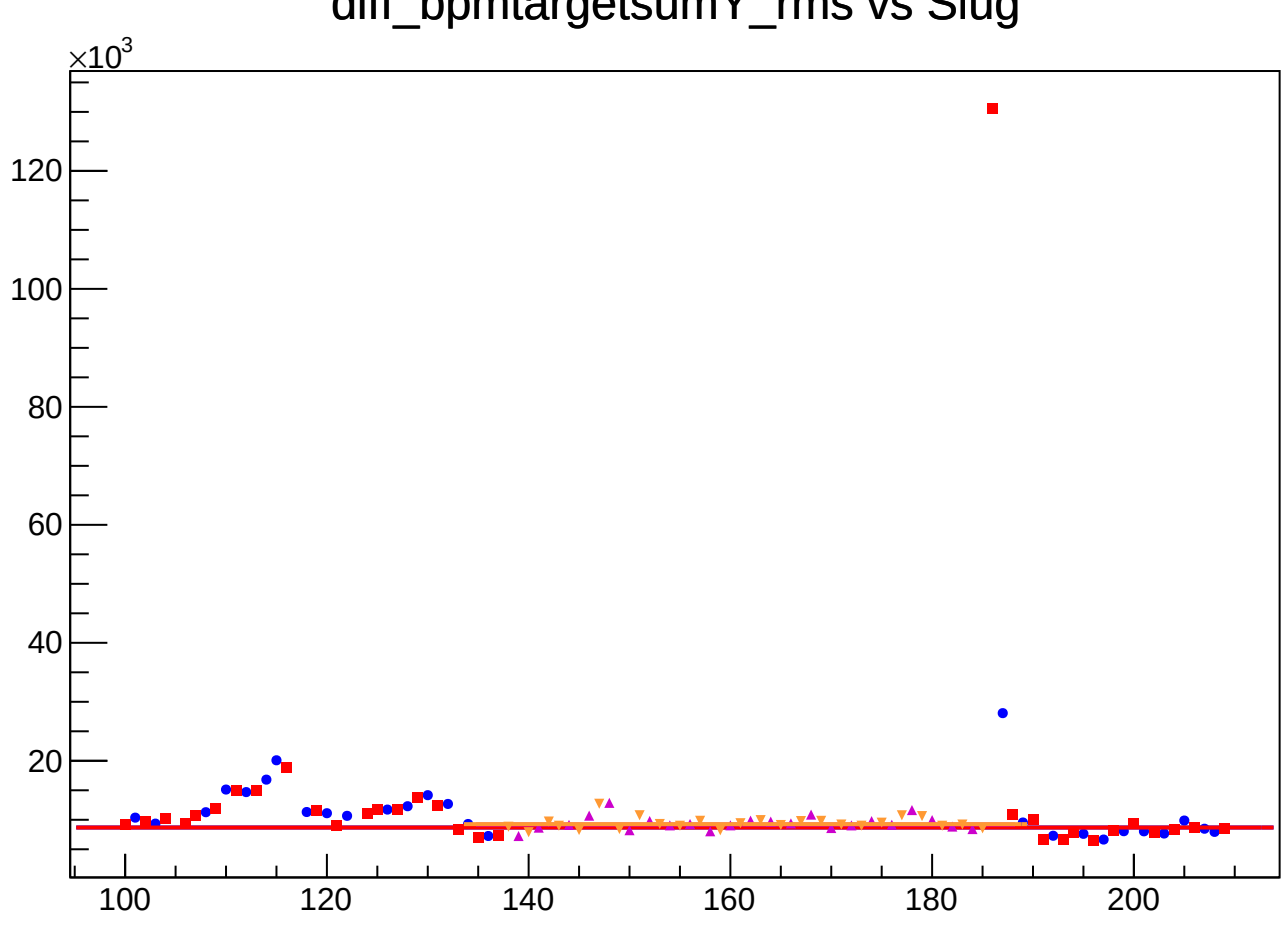
Right Out: 4.447+/-2.181 χ^2/NDF: 26.1/31

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.268+/-1.547 χ^2/NDF: 40.8/51

All: 2.923+/-1.091 χ^2/NDF: 100.4/106

- sign 2.582+/-1.538 χ^2/NDF: 59.6/54



Right In: 8692.983+/-1.598 χ^2/NDF: 1635364.5/26

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

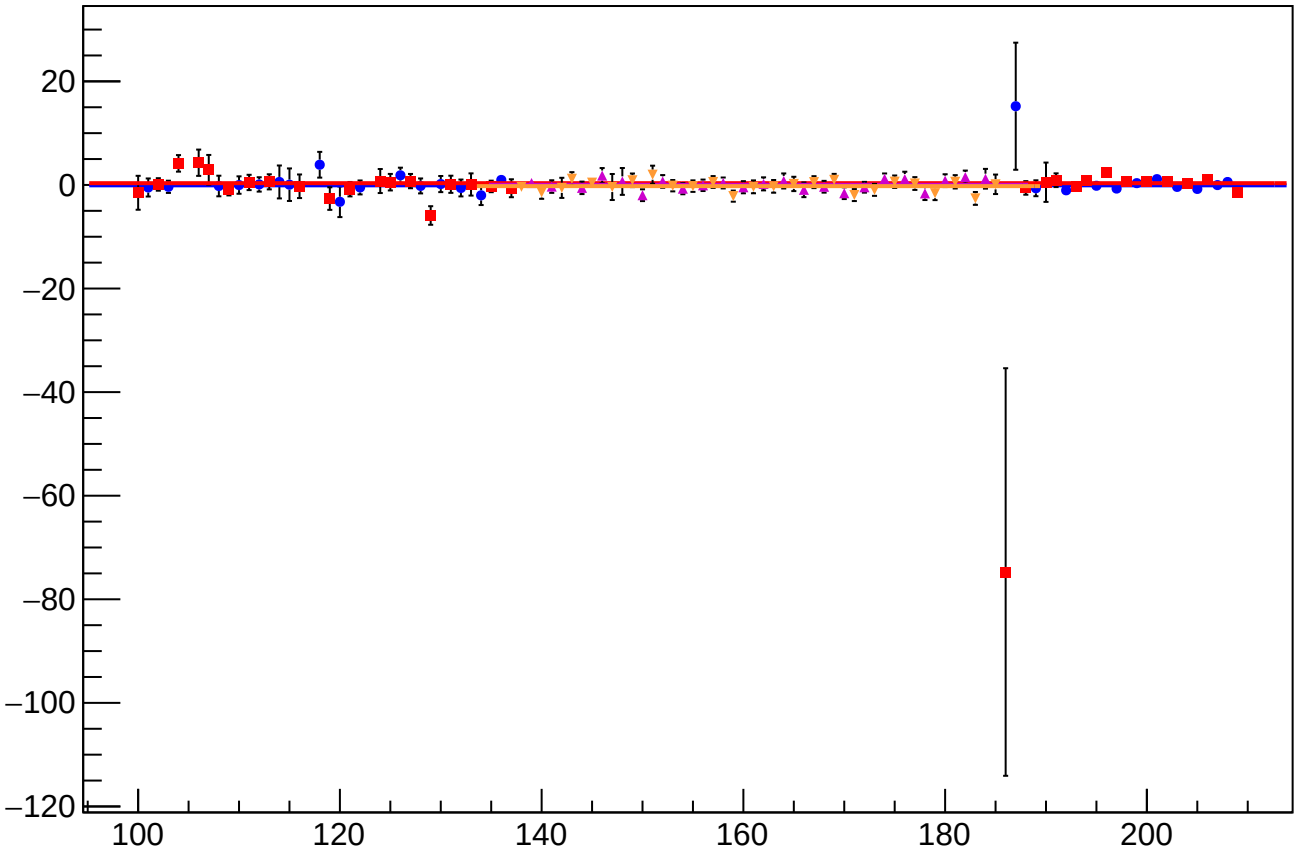
Right Out: 8685.611+/-1.542 χ^2/NDF: 2297455.2/31

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 8995.187+/-1.094 χ^2/NDF: 2068722.6/51

All: 8969.348+/-0.771 χ^2/NDF: 4938580.5/10

- sign 8943.786+/-1.088 χ^2/NDF: 2868747.7/54



Right In: -0.075+/-0.202 χ^2/NDF: 16.9/26

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.341+/-0.201 χ^2/NDF: 46.3/31

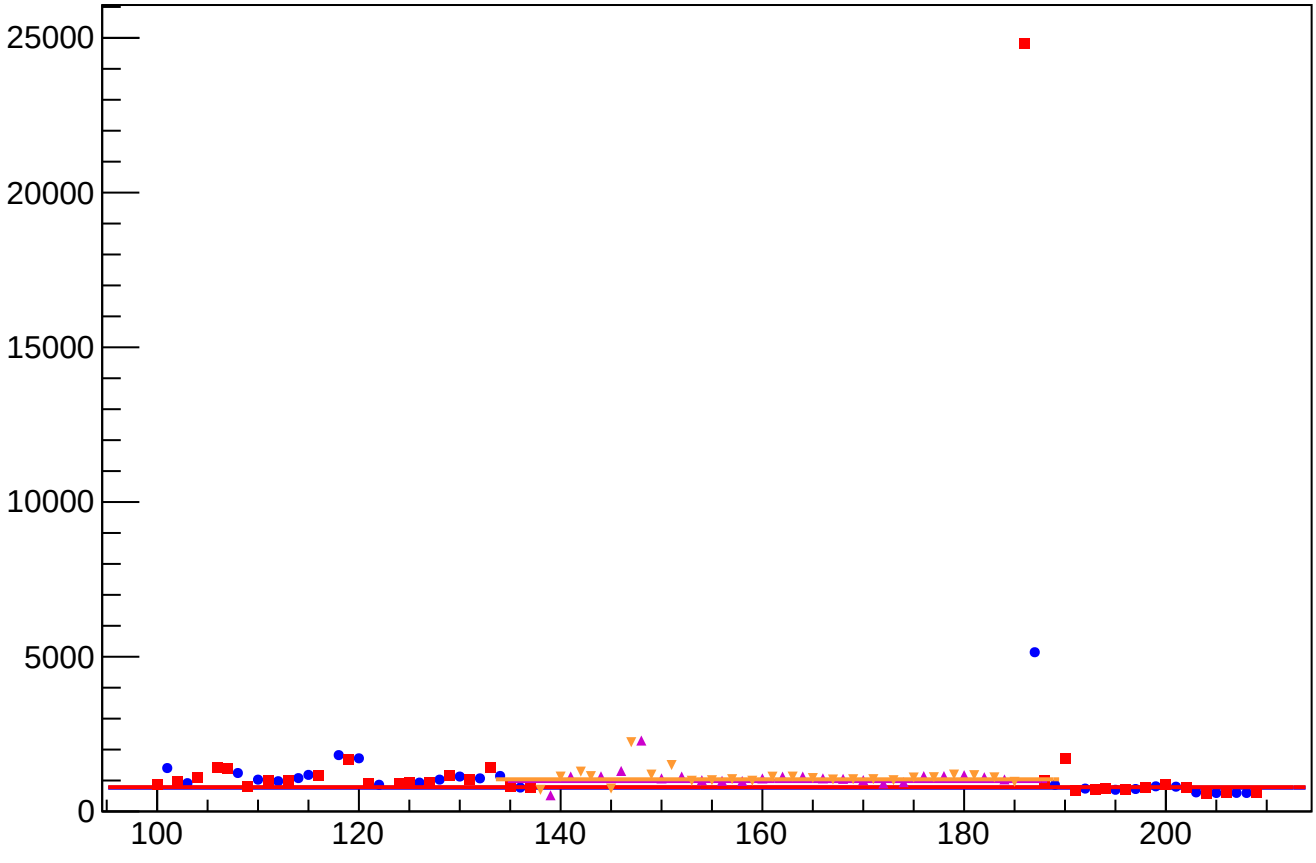
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.138+/-0.156 χ^2/NDF: 36.1/51

All: 0.038+/-0.109 χ^2/NDF: 101.1/106

- sign 0.210+/-0.154 χ^2/NDF: 62.5/54

diff_bpmtargetdiffY_rms vs Slug



Right In: 766.579+/-0.143 χ^2/NDF: 2299368.5/26

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

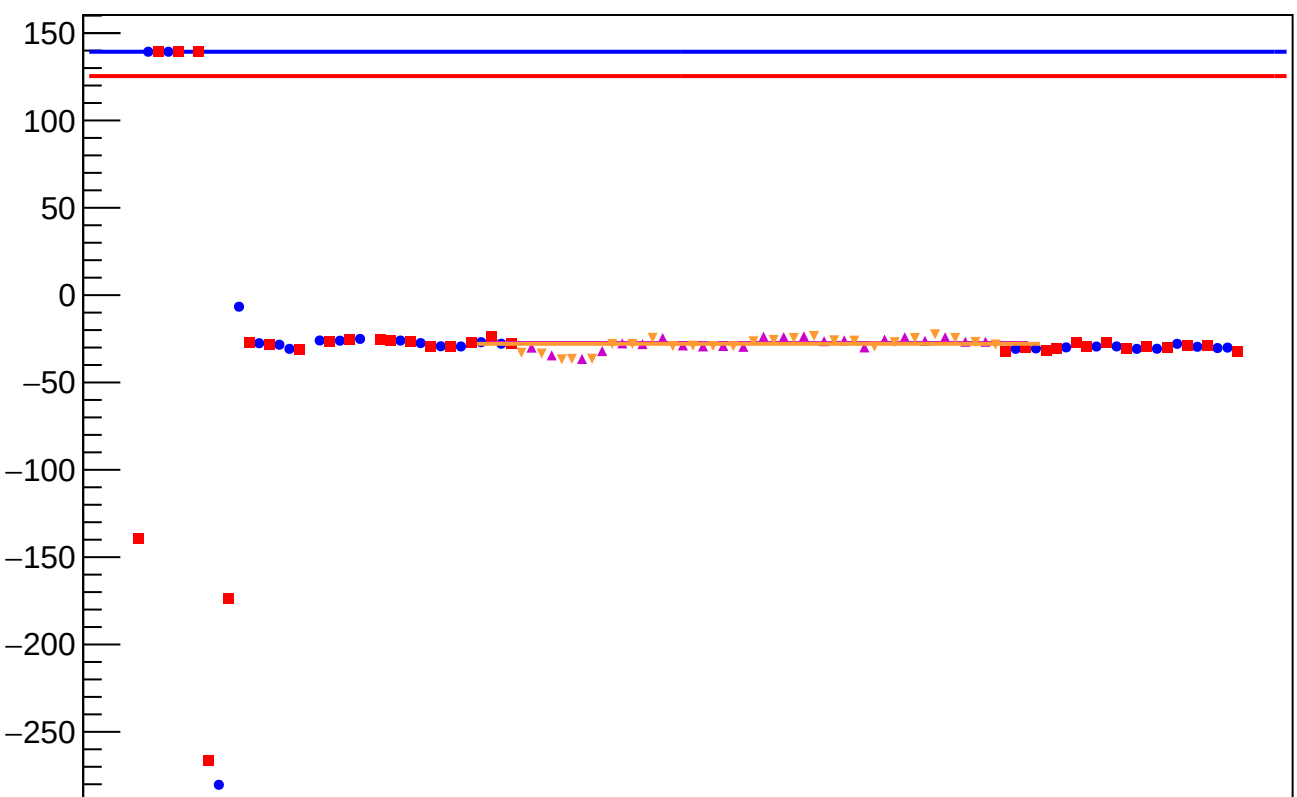
Right Out: 785.518+/-0.142 χ^2/NDF: 2654403.5/31

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 878.135+/-0.110 χ^2/NDF: 5124613.1/51

All: 872.330+/-0.077 χ^2/NDF: 10798875.8/10

- sign 866.663+/-0.109 χ^2/NDF: 5668765.5/54



Right In: 139.336+/-0.000 χ^2/NDF: 60587153716.0/26

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774186357160420.1/31

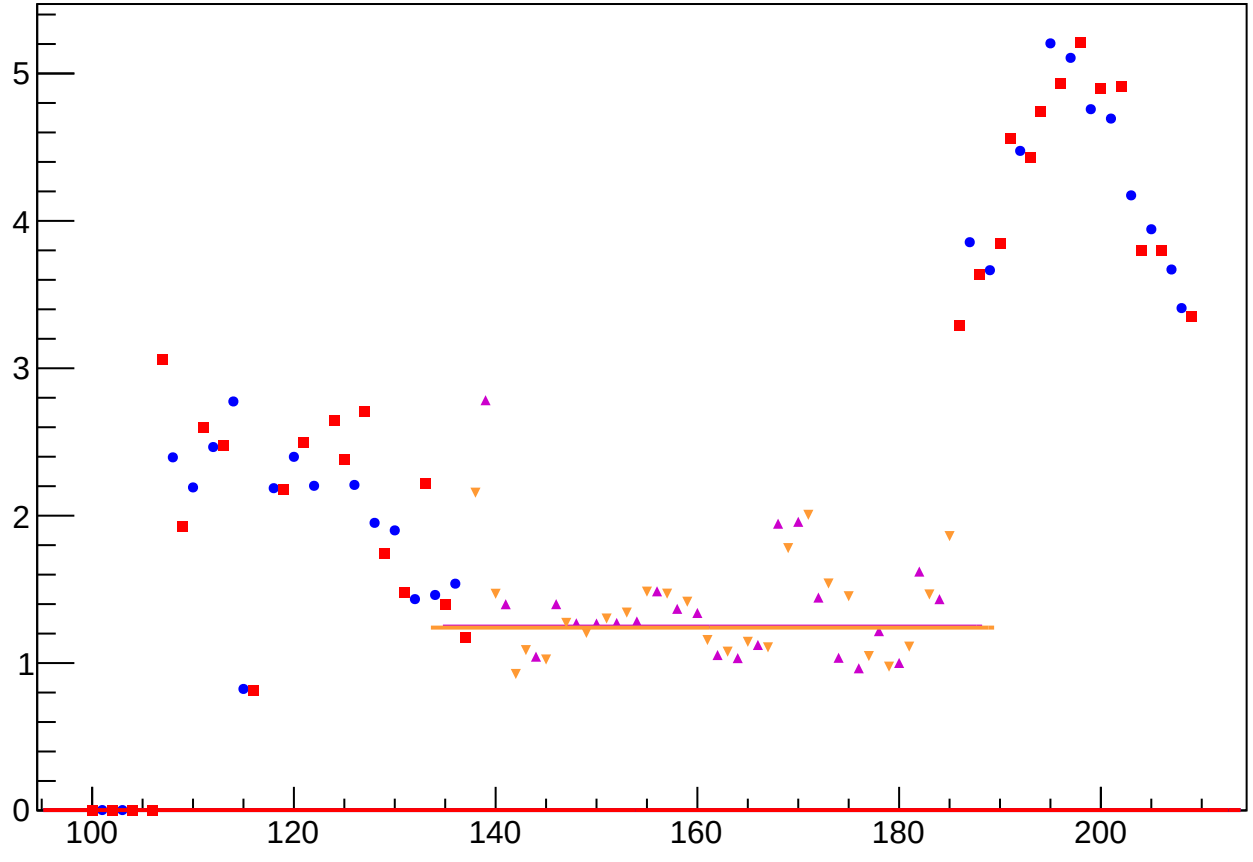
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 335129532902.4/5

All: 131.810+/-0.000 χ^2/NDF: 79351409305

- sign 125.385+/-0.000 χ^2/NDF: 774400009685640

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 26219932.6/26

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

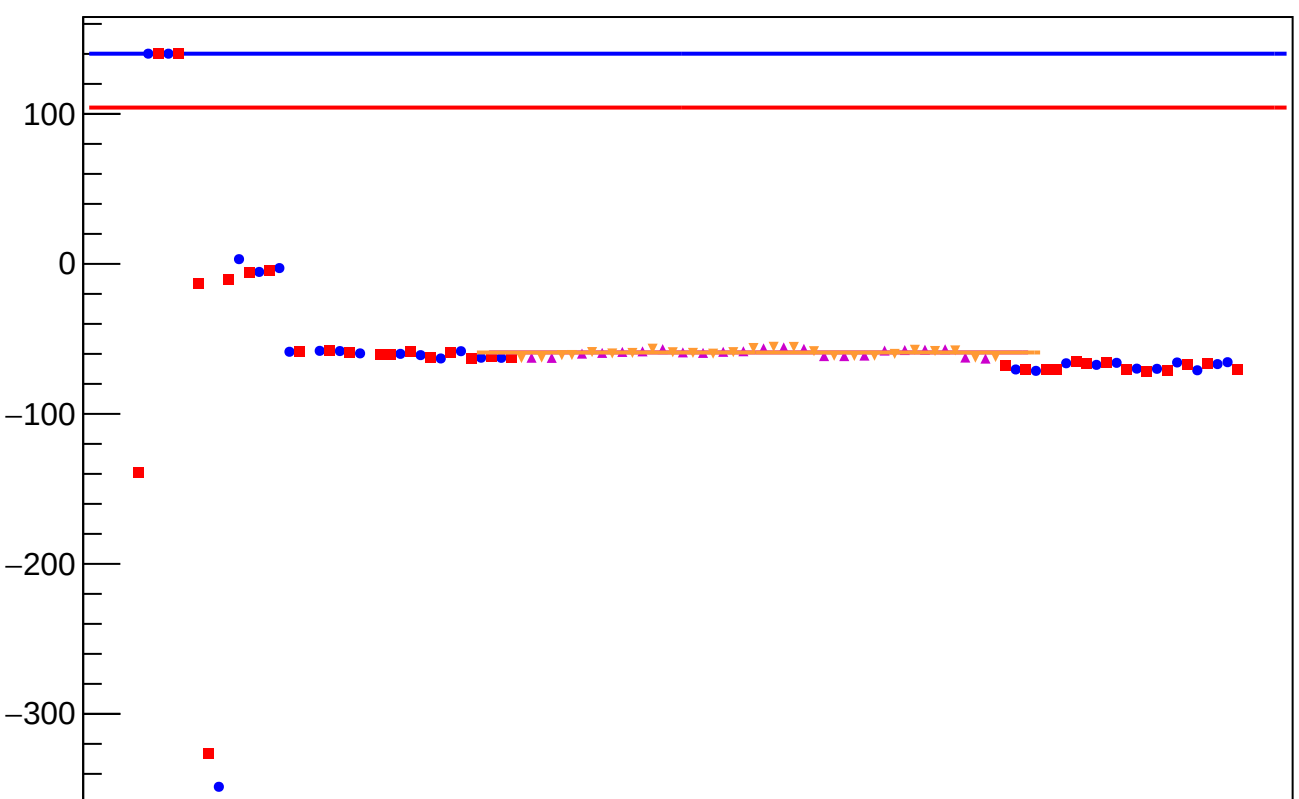
Right Out: 0.003+/-0.000 χ^2/NDF: 28711504.9/31

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

\+ sign 0.003+/-0.000 χ^2/NDF: 57518055.8/51

All: 0.003+/-0.000 χ^2/NDF: 115996831.5/106

\- sign 0.003+/-0.000 χ^2/NDF: 58478392.7/54



Right In: 140.136+/-0.000 χ^2/NDF: 473907303977.8/26

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.218+/-0.000 χ^2/NDF: 1257618818834775.0/31

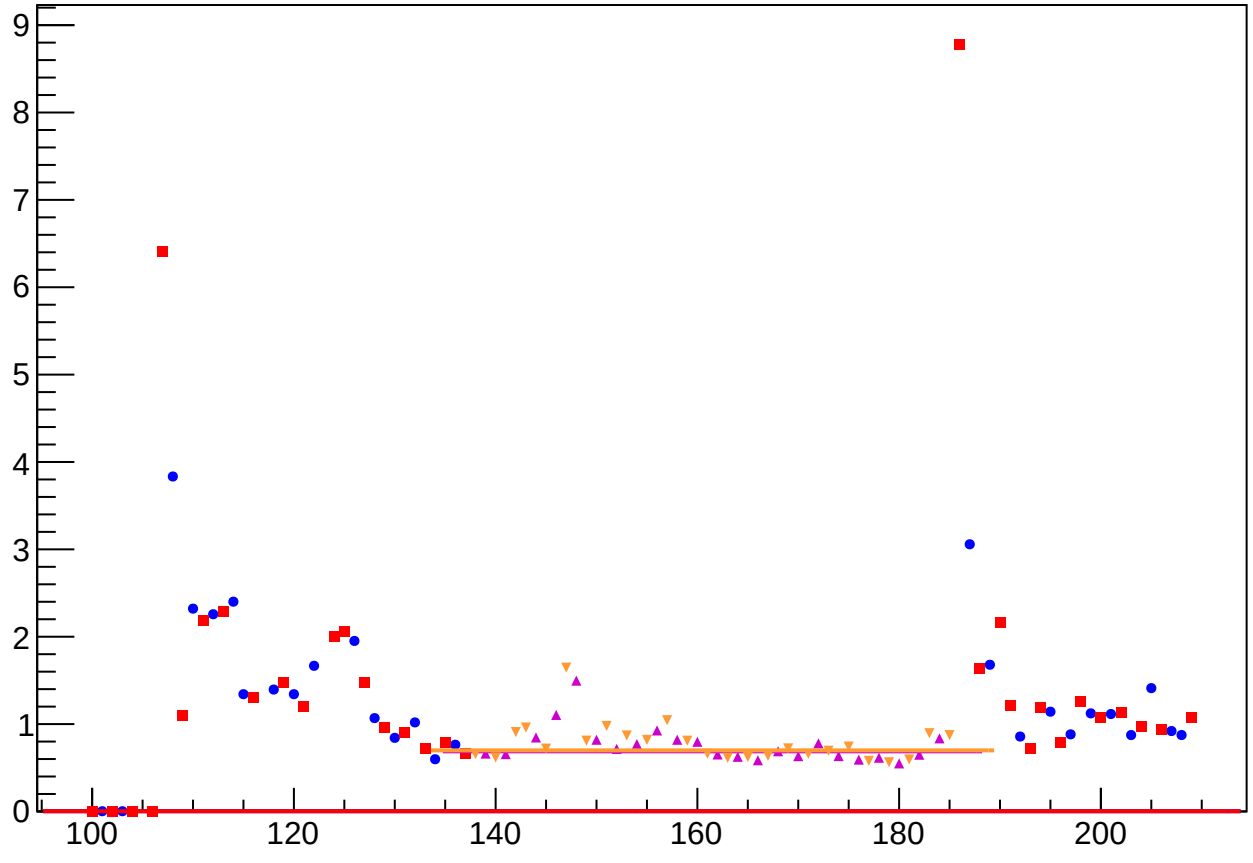
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.099+/-0.000 χ^2/NDF: 1770997369789.4

All: 120.794+/-0.000 χ^2/NDF: 13834901484

- sign 104.193+/-0.000 χ^2/NDF: 125847581978613

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 24335904.2/26

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

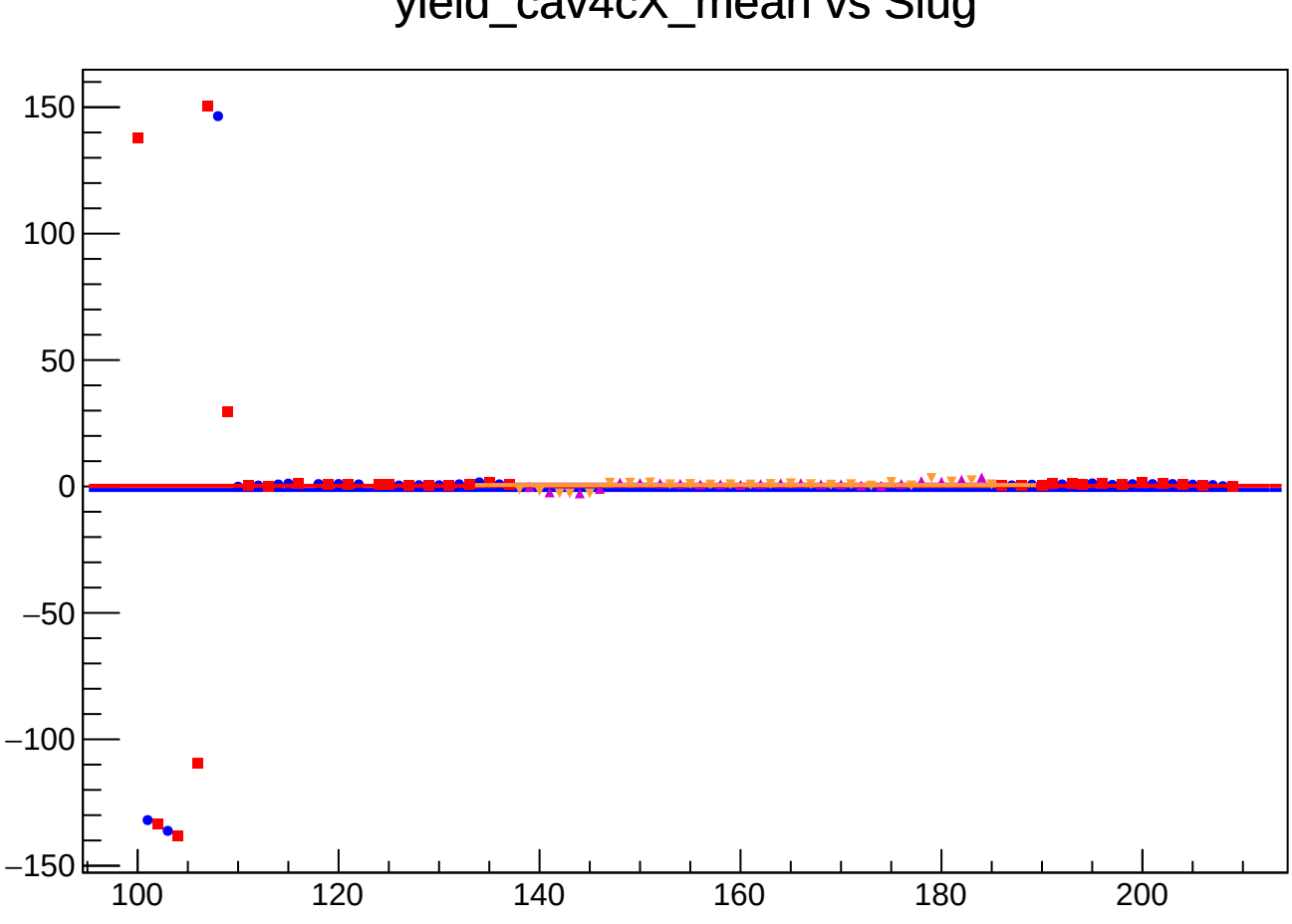
Right Out: 0.003+/-0.000 χ^2/NDF: 26628883.6/31

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 57386891.0/51

All: 0.003+/-0.000 χ^2/NDF: 115323786.8/106

- sign 0.003+/-0.000 χ^2/NDF: 57936300.3/54



Right In: -1.388+/-0.000 χ^2/NDF: 9904852885.0/26

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.292+/-0.000 χ^2/NDF: 3612931219.9/31

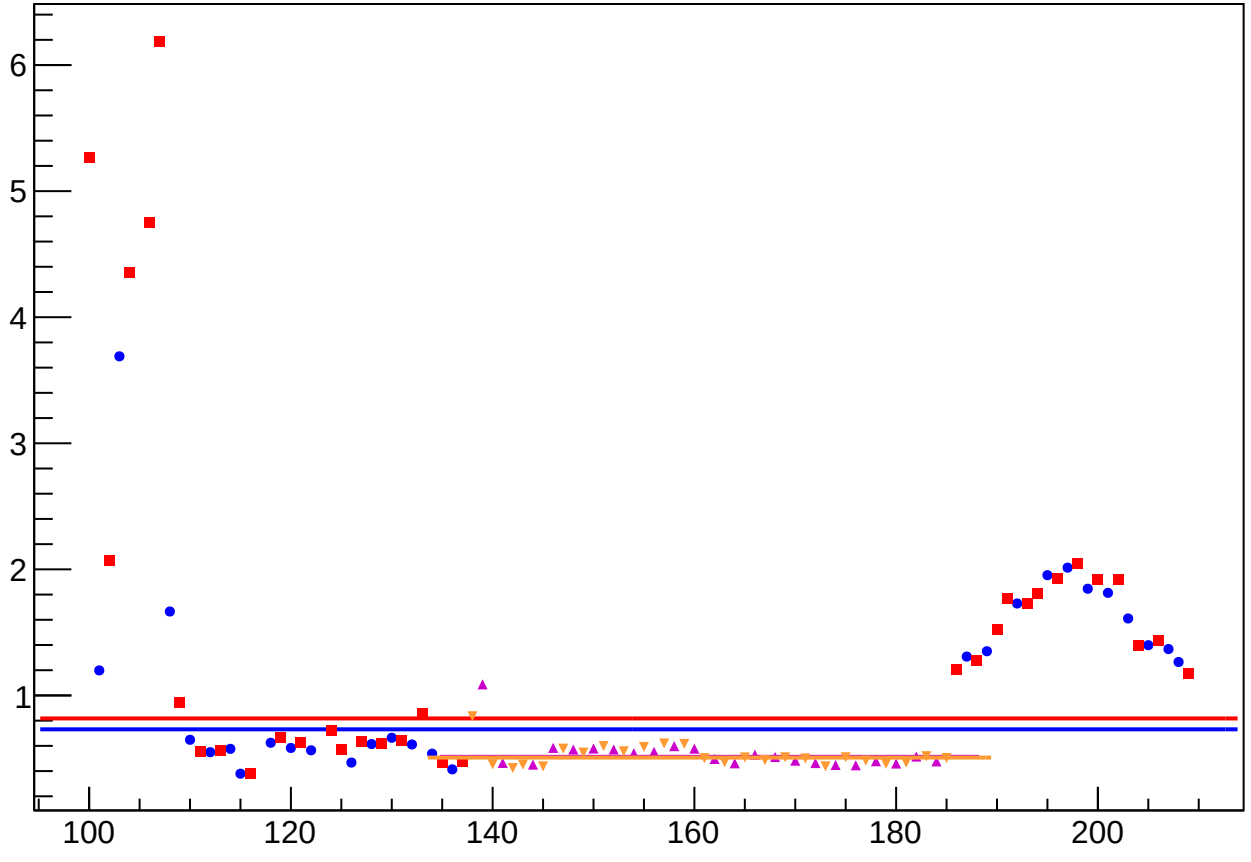
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.099+/-0.000 χ^2/NDF: 10116043679.6/51

All: 0.352+/-0.000 χ^2/NDF: 13847414019.7/1

- sign 0.628+/-0.000 χ^2/NDF: 3720630915.7/54

yield_cav4cX_rms vs Slug



Right In: 0.731+/-0.000 χ^2/NDF: 7541260.8/26

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.818+/-0.000 χ^2/NDF: 8271852.8/31

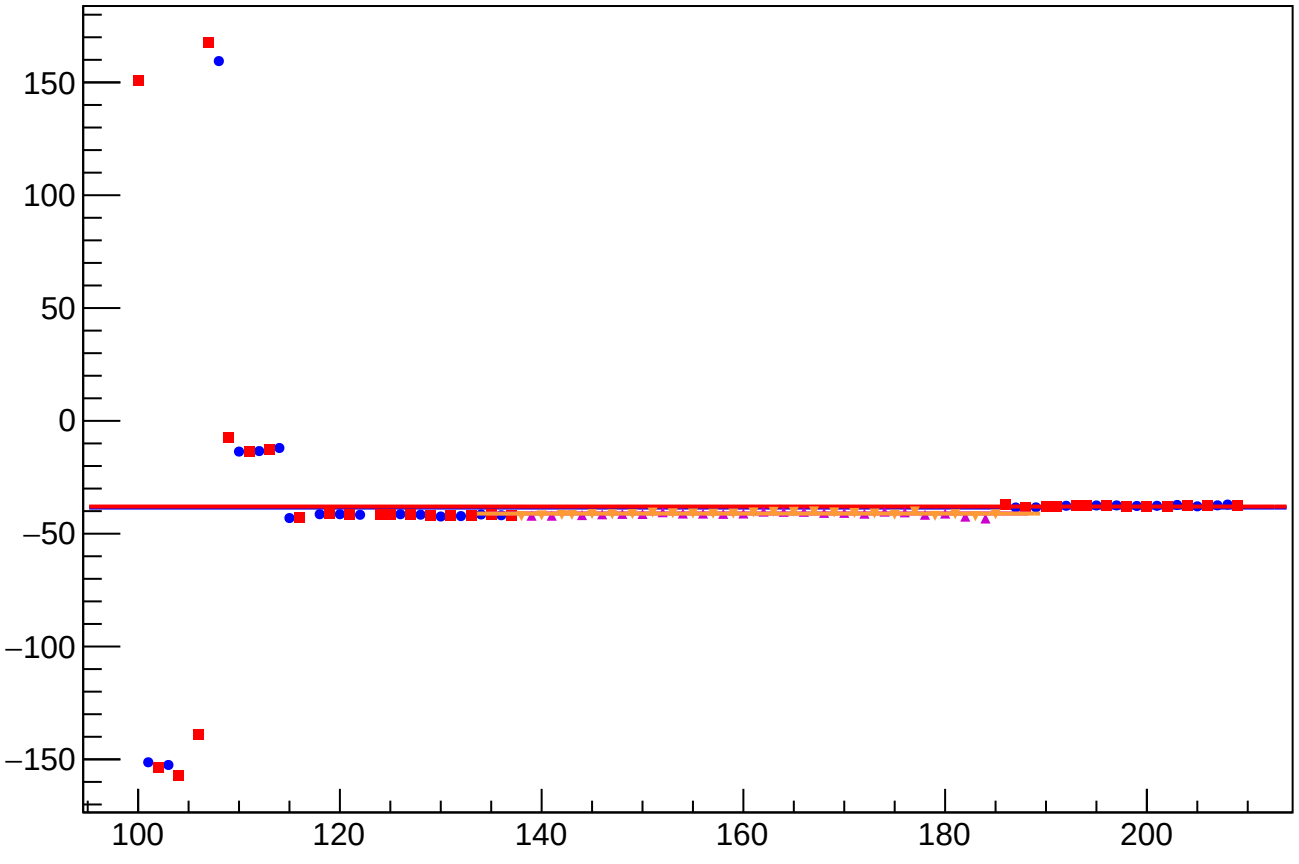
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.561+/-0.000 χ^2/NDF: 9578279.8/51

All: 0.573+/-0.000 χ^2/NDF: 21104667.3/106

- sign 0.585+/-0.000 χ^2/NDF: 11484273.0/54

yield_cav4cY_mean vs Slug



Right In: -38.427+/-0.000 χ^2/NDF: 3616913003.7/26

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.967+/-0.000 χ^2/NDF: 2514392731.0/31

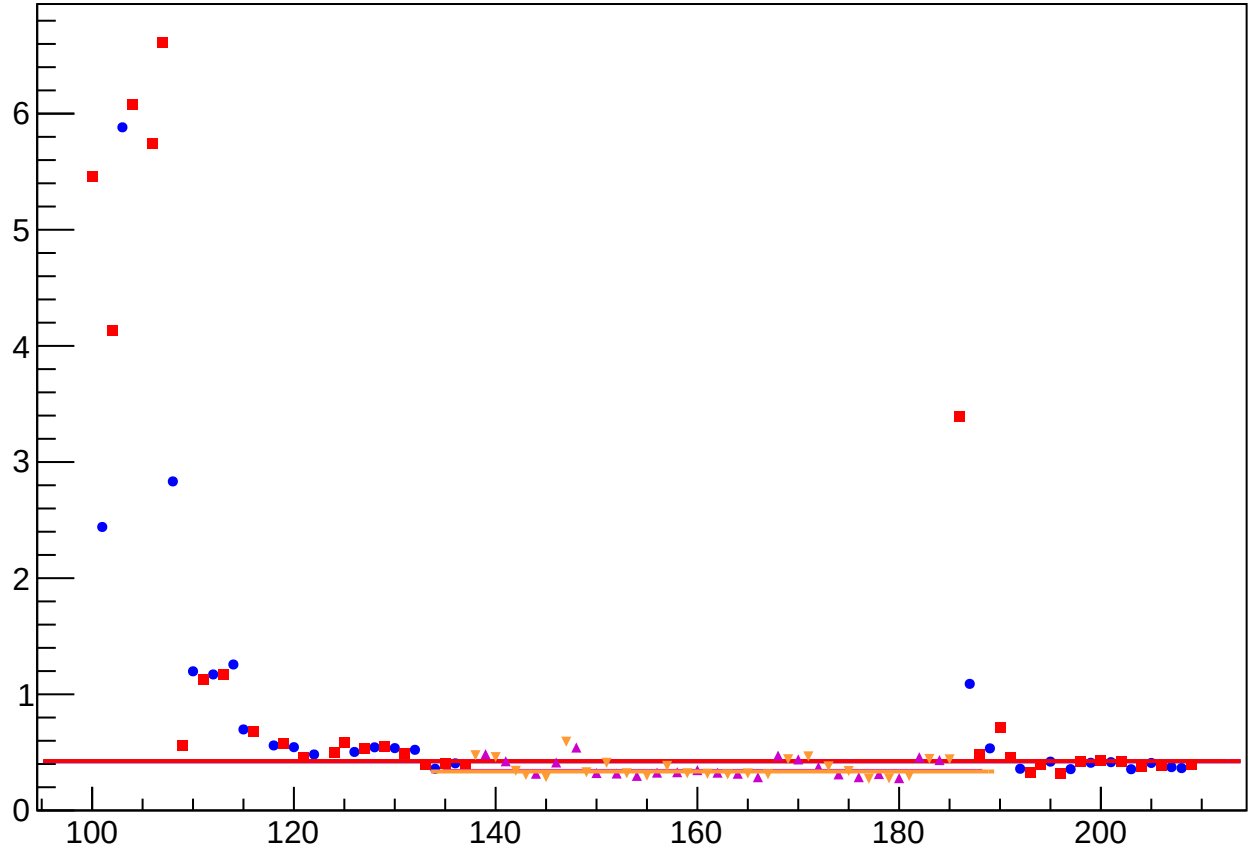
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.267+/-0.000 χ^2/NDF: 4023556648.4/51

All: -40.131+/-0.000 χ^2/NDF: 7059690536.7/

- sign -39.990+/-0.000 χ^2/NDF: 3027567834.4/54

yield_cav4cY_rms vs Slug



Right In: 0.423+/-0.000 χ^2/NDF: 3733231.8/26

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.425+/-0.000 χ^2/NDF: 4688672.9/31

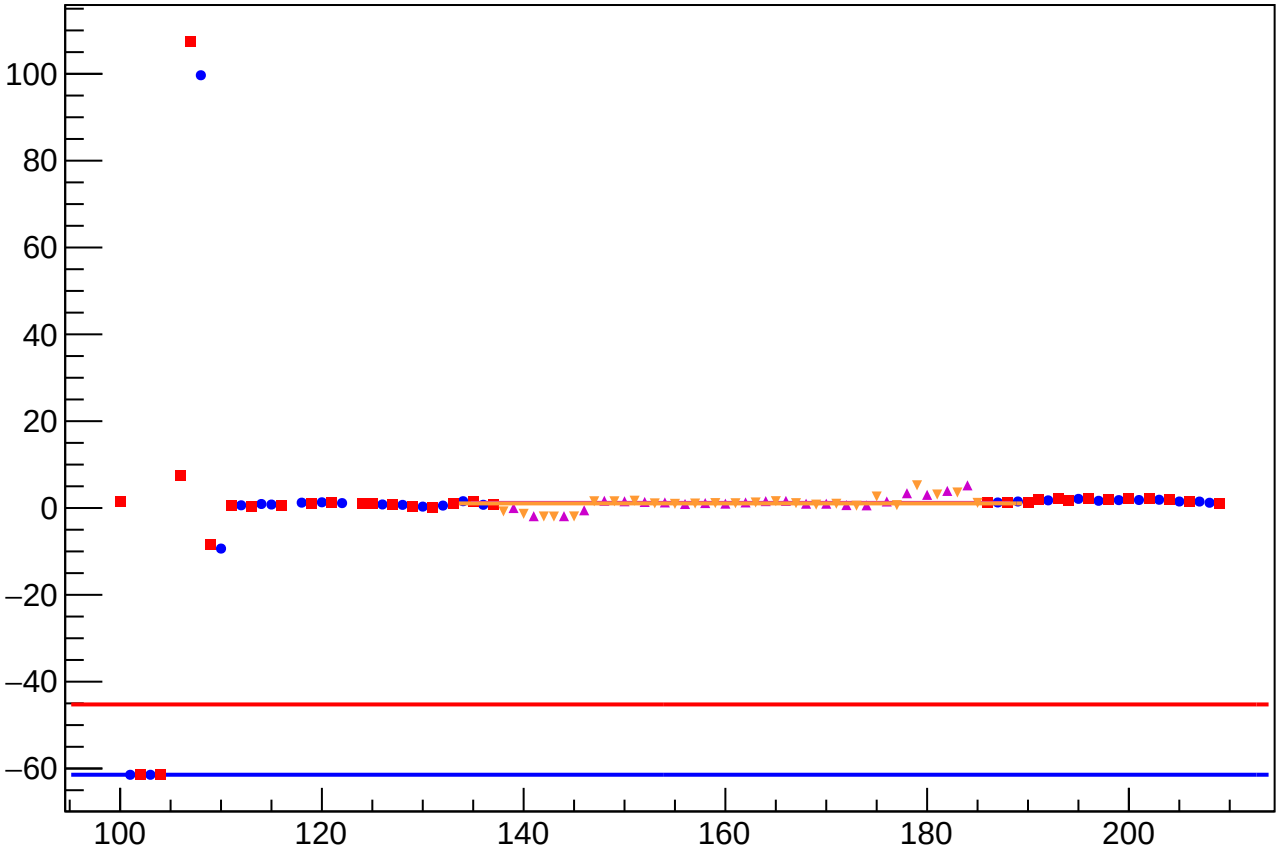
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.363+/-0.000 χ^2/NDF: 5714805.6/51

All: 0.366+/-0.000 χ^2/NDF: 12182248.2/106

- sign 0.369+/-0.000 χ^2/NDF: 6458689.7/54

yield_cav4dX_mean vs Slug



Right In: -61.435+/-0.000 χ^2/NDF: 291260092227.0/26

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357881878132877.3/31

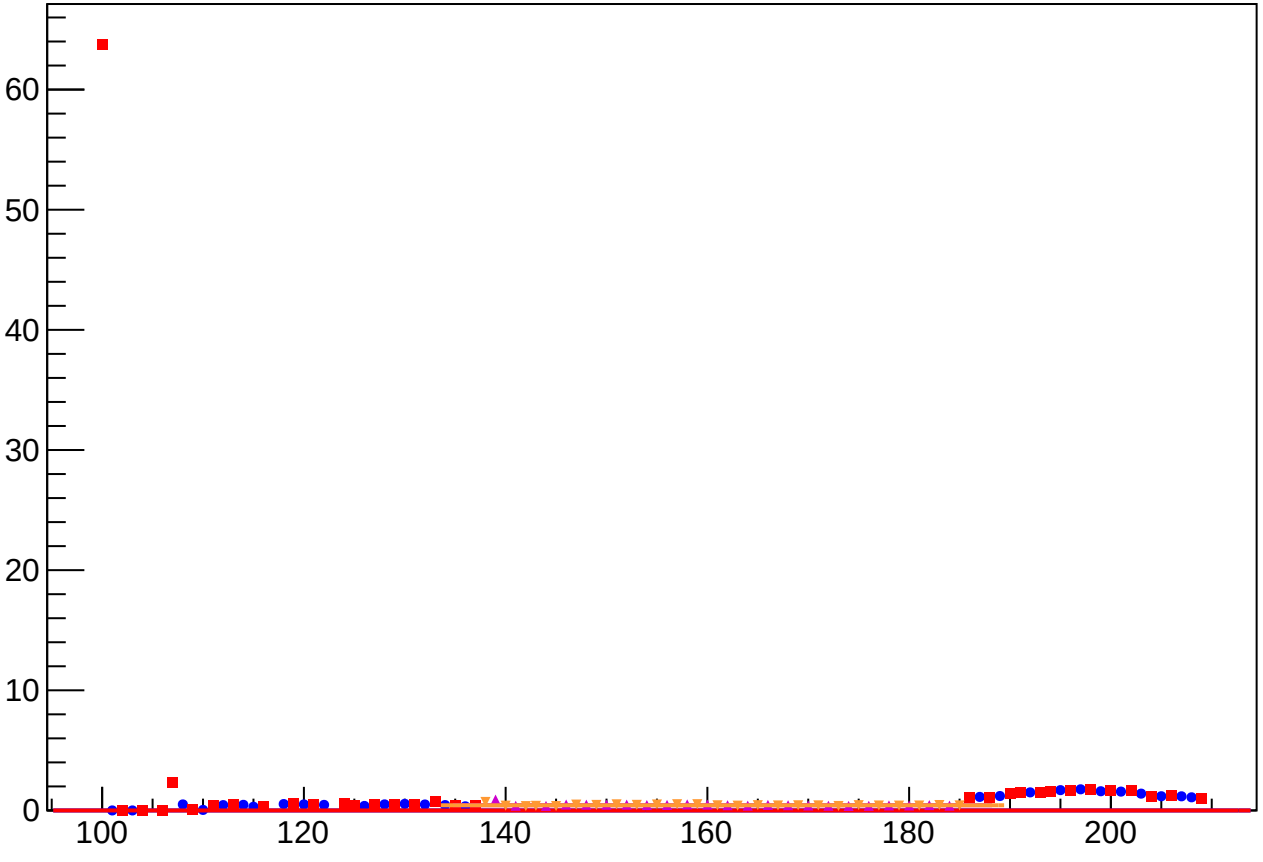
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 621260539565.0/5

All: -52.737+/-0.000 χ^2/NDF: 409620073558

- sign -45.236+/-0.000 χ^2/NDF: 358048440843996.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 25775933.0/26

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

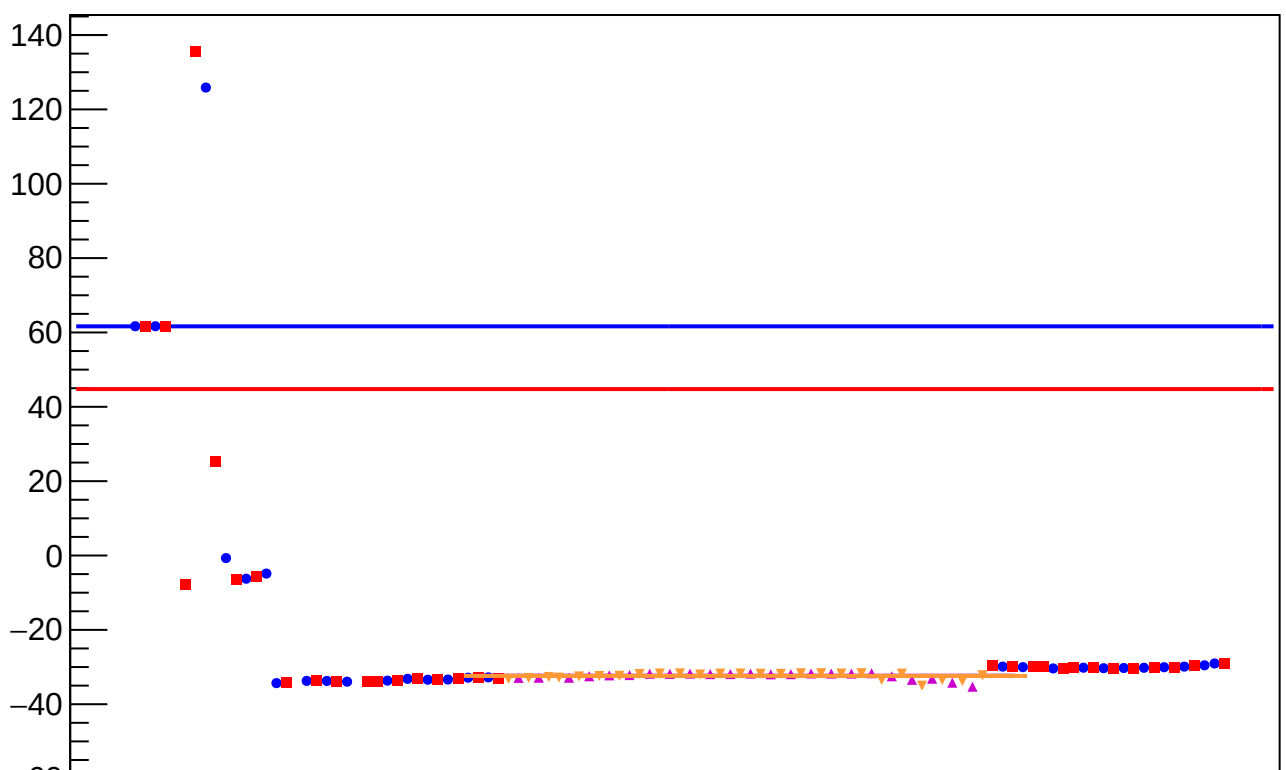
Right Out: 0.001+/-0.000 χ^2/NDF: 28330767.2/31

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 57539283.1/51

All: 0.002+/-0.000 χ^2/NDF: 116011354.0/106

- sign 0.002+/-0.000 χ^2/NDF: 58471877.6/54



Right In: 61.641+/-0.000 χ^2/NDF: 1003074089204.9/26

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.770+/-0.000 χ^2/NDF: 366543079705590.1/31

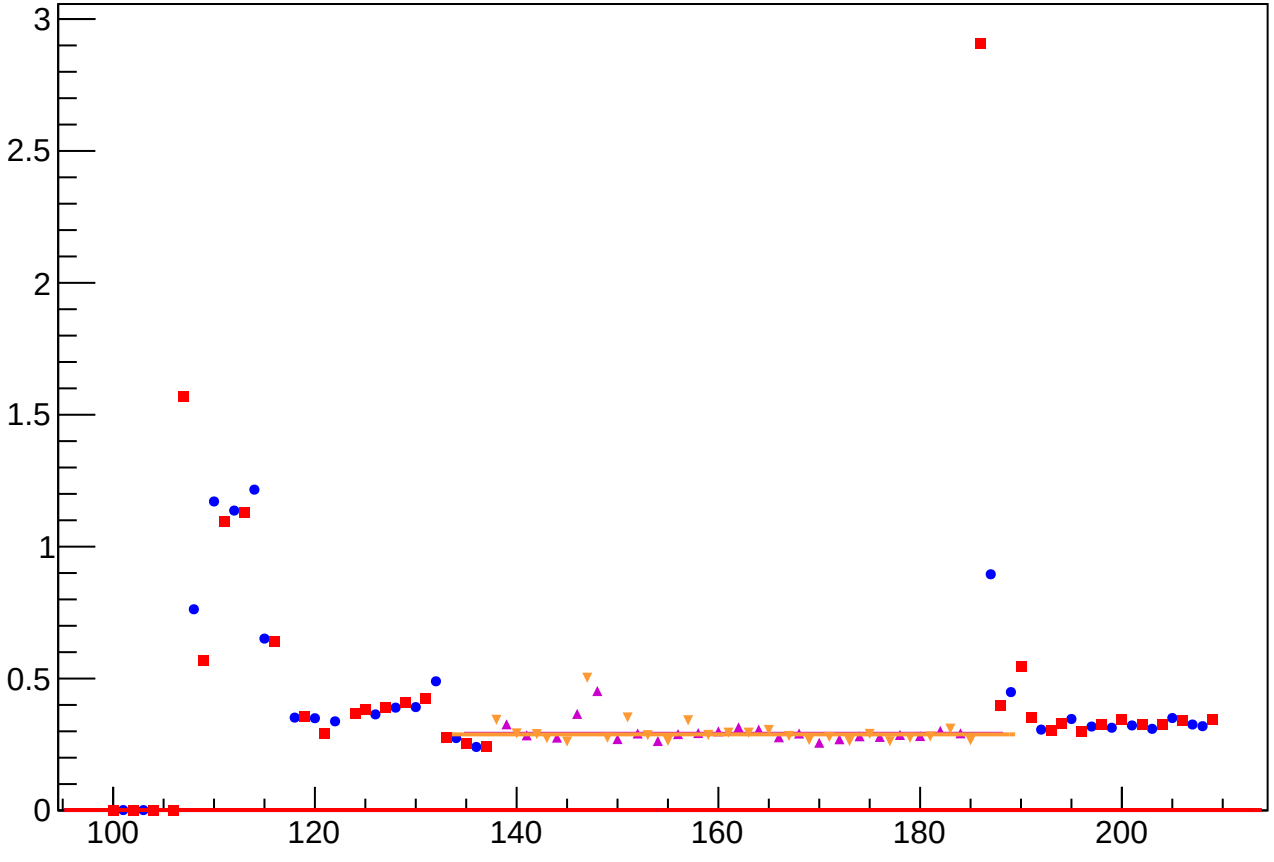
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.580+/-0.000 χ^2/NDF: 2960354726795.2/5

All: 52.620+/-0.000 χ^2/NDF: 421725158729

- sign 44.728+/-0.000 χ^2/NDF: 367770398113210.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 27338204.2/26

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 29246260.0/31

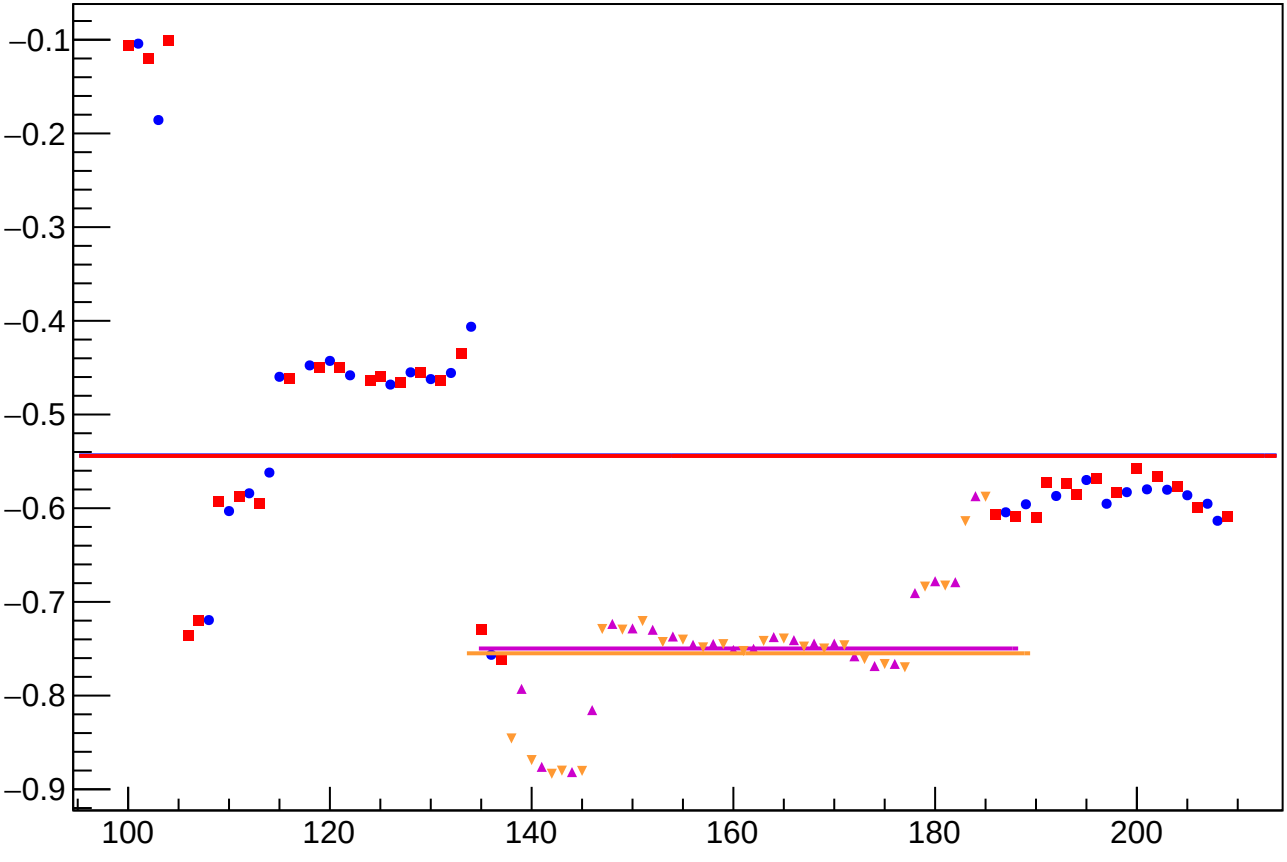
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 64283039.3/51

All: 0.002+/-0.000 χ^2/NDF: 128421095.9/106

- sign 0.002+/-0.000 χ^2/NDF: 64137958.5/54

yield_bpm4aX_mean vs Slug



Right In: -0.544+/-0.000 χ^2/NDF: 306811564.2/26

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.544+/-0.000 χ^2/NDF: 221886732.7/31

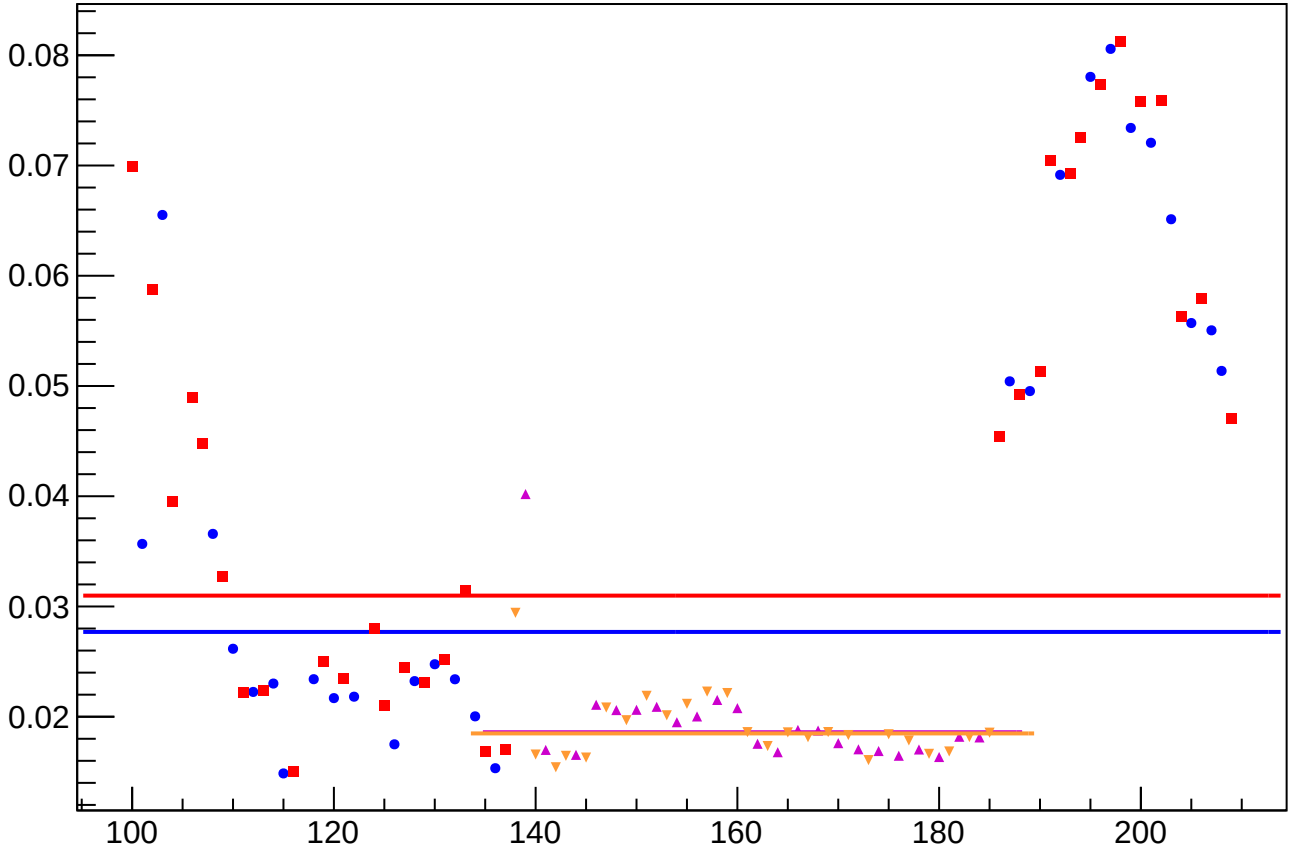
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.706+/-0.000 χ^2/NDF: 990860819.1/51

All: -0.705+/-0.000 χ^2/NDF: 1762592189.6/1

- sign -0.703+/-0.000 χ^2/NDF: 771444770.3/54

yield_bpm4aX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF: 7452224.9/26

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7377393.6/31

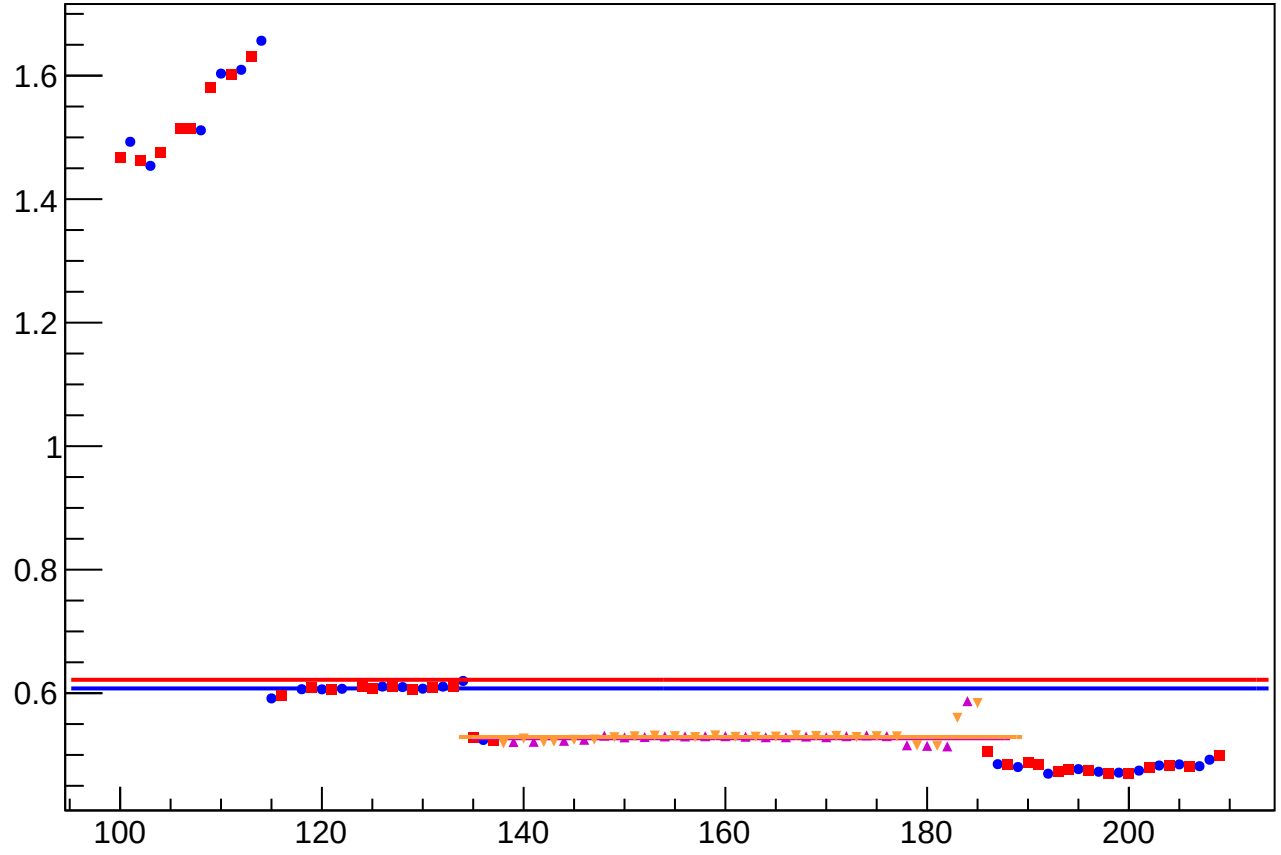
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 9735211.2/51

All: 0.021+/-0.000 χ^2/NDF: 20860716.9/106

- sign 0.021+/-0.000 χ^2/NDF: 11088452.9/54

yield_bpm4aY_mean vs Slug



Right In: 0.608+/-0.000 χ^2/NDF: 5640194852.3/26

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.622+/-0.000 χ^2/NDF: 6608617099.3/31

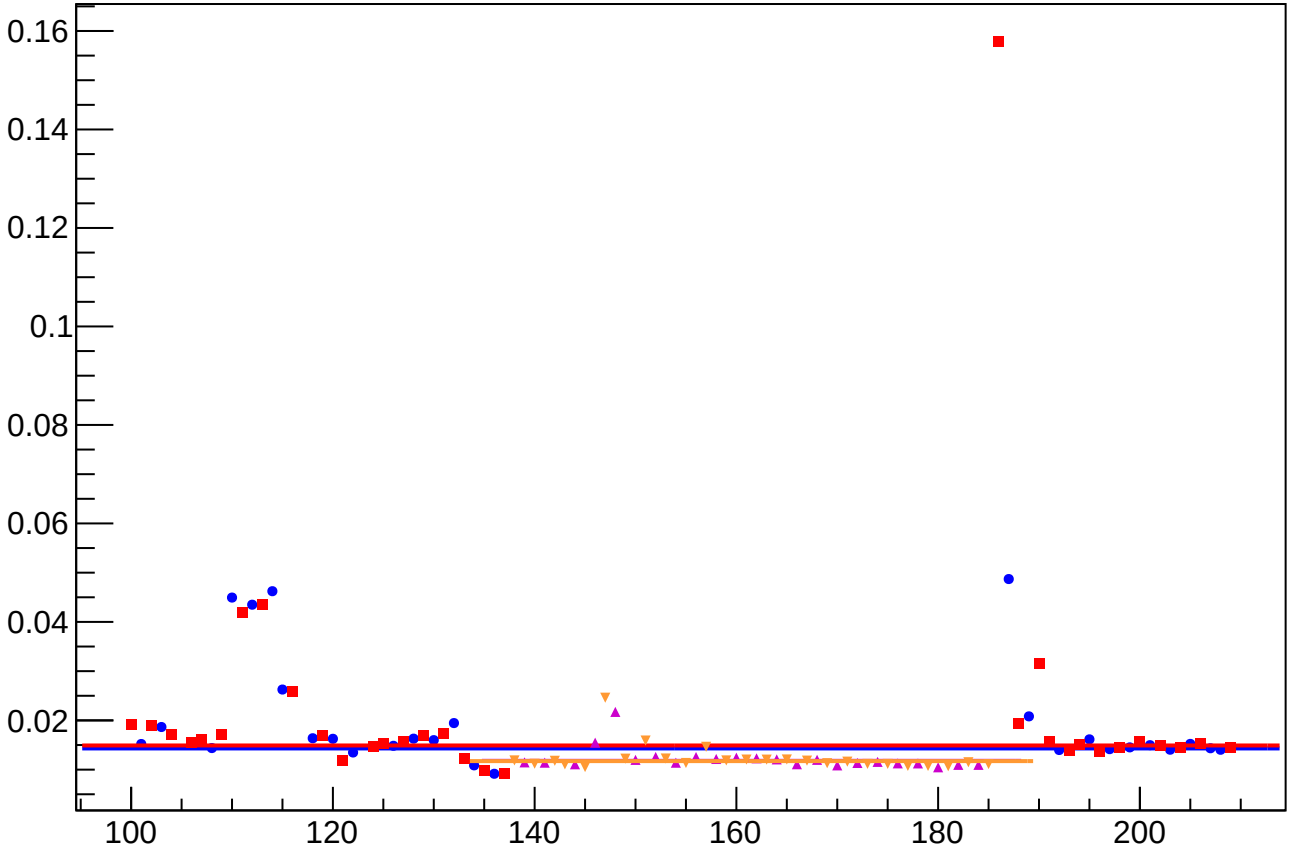
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.556+/-0.000 χ^2/NDF: 5936605598.3/51

All: 0.558+/-0.000 χ^2/NDF: 12958132033.5/1

- sign 0.560+/-0.000 χ^2/NDF: 7019370847.7/54

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1970216.3/26

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2386939.5/31

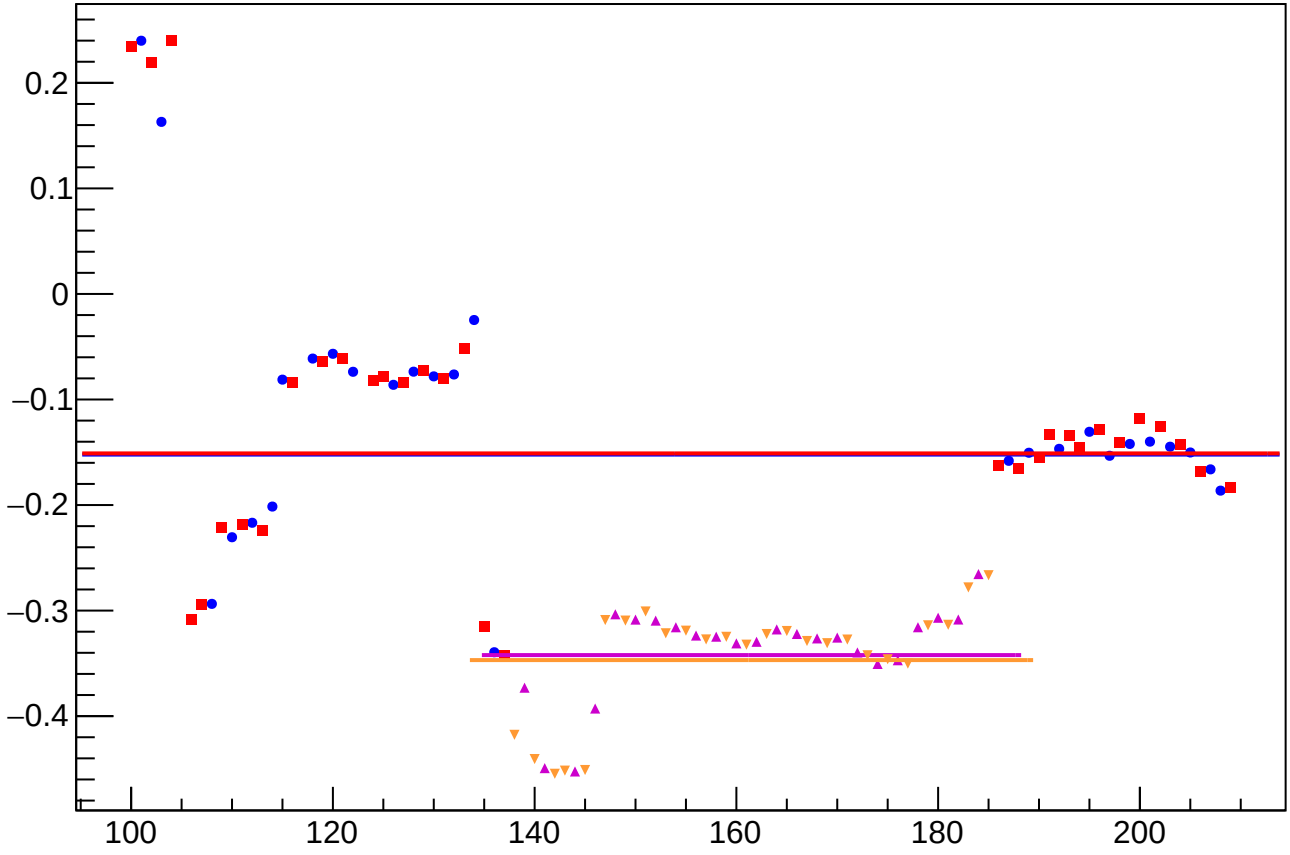
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3269263.5/51

All: 0.013+/-0.000 χ^2/NDF: 7054948.0/106

- sign 0.013+/-0.000 χ^2/NDF: 3769599.5/54

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 277404039.8/26

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 200499353.4/31

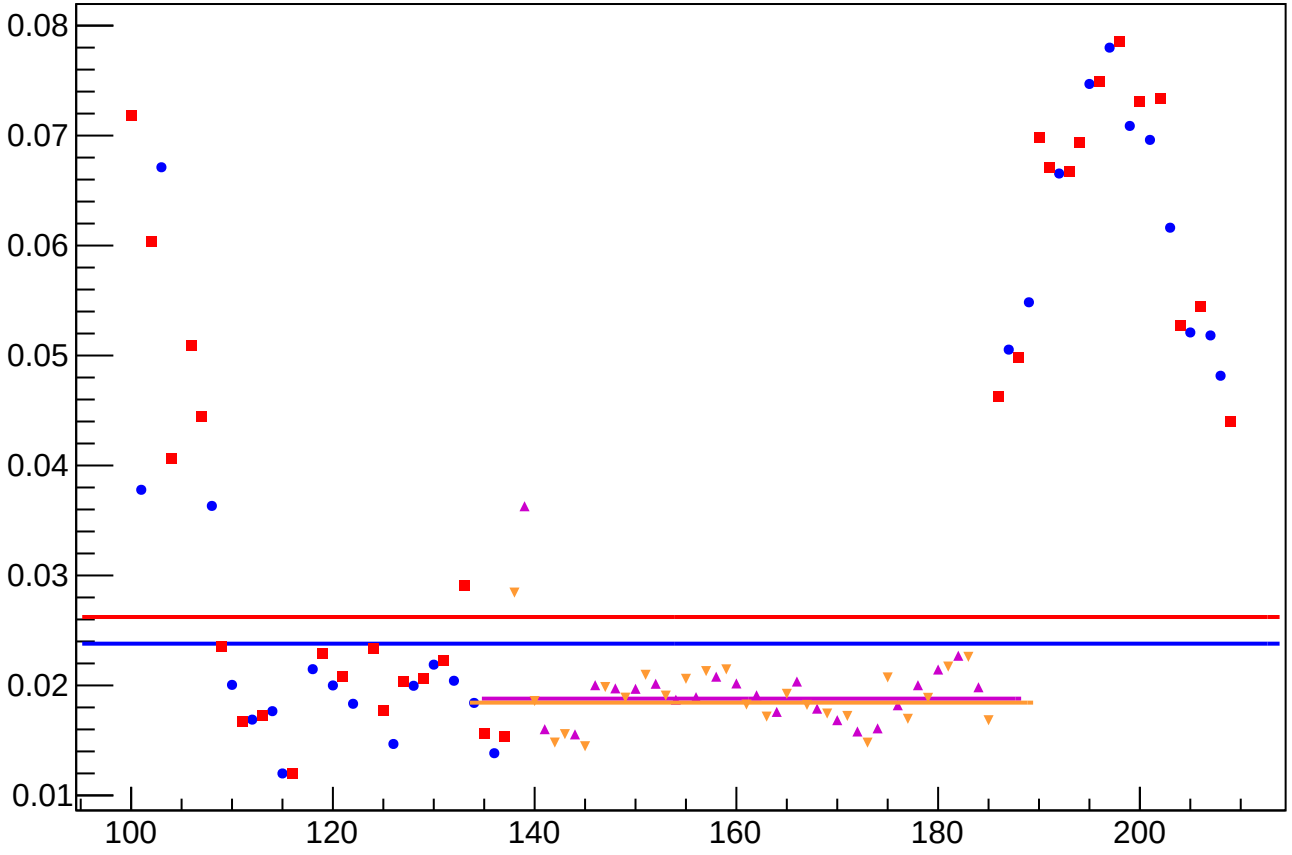
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.293+/-0.000 χ^2/NDF: 889623948.3/51

All: -0.291+/-0.000 χ^2/NDF: 1610611622.8/1

- sign -0.289+/-0.000 χ^2/NDF: 720391375.3/54

yield_bpm4eX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 8532360.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8937594.6/31

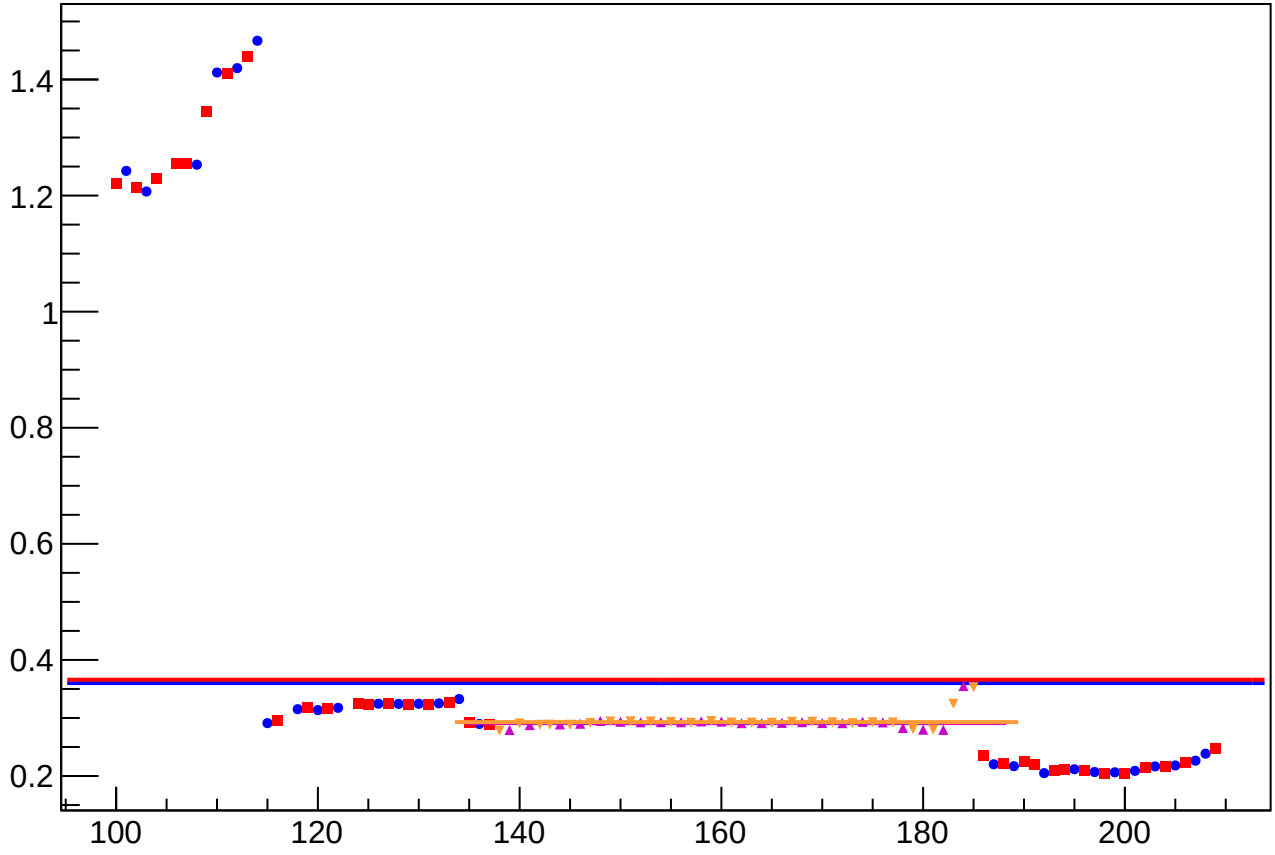
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.020+/-0.000 χ^2/NDF: 9910107.1/51

All: 0.020+/-0.000 χ^2/NDF: 20925938.6/106

- sign 0.021+/-0.000 χ^2/NDF: 10959784.5/54

yield_bpm4eY_mean vs Slug



Right In: 0.360+/-0.000 χ^2/NDF: 8331446287.1/26

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.366+/-0.000 χ^2/NDF: 9303597357.0/31

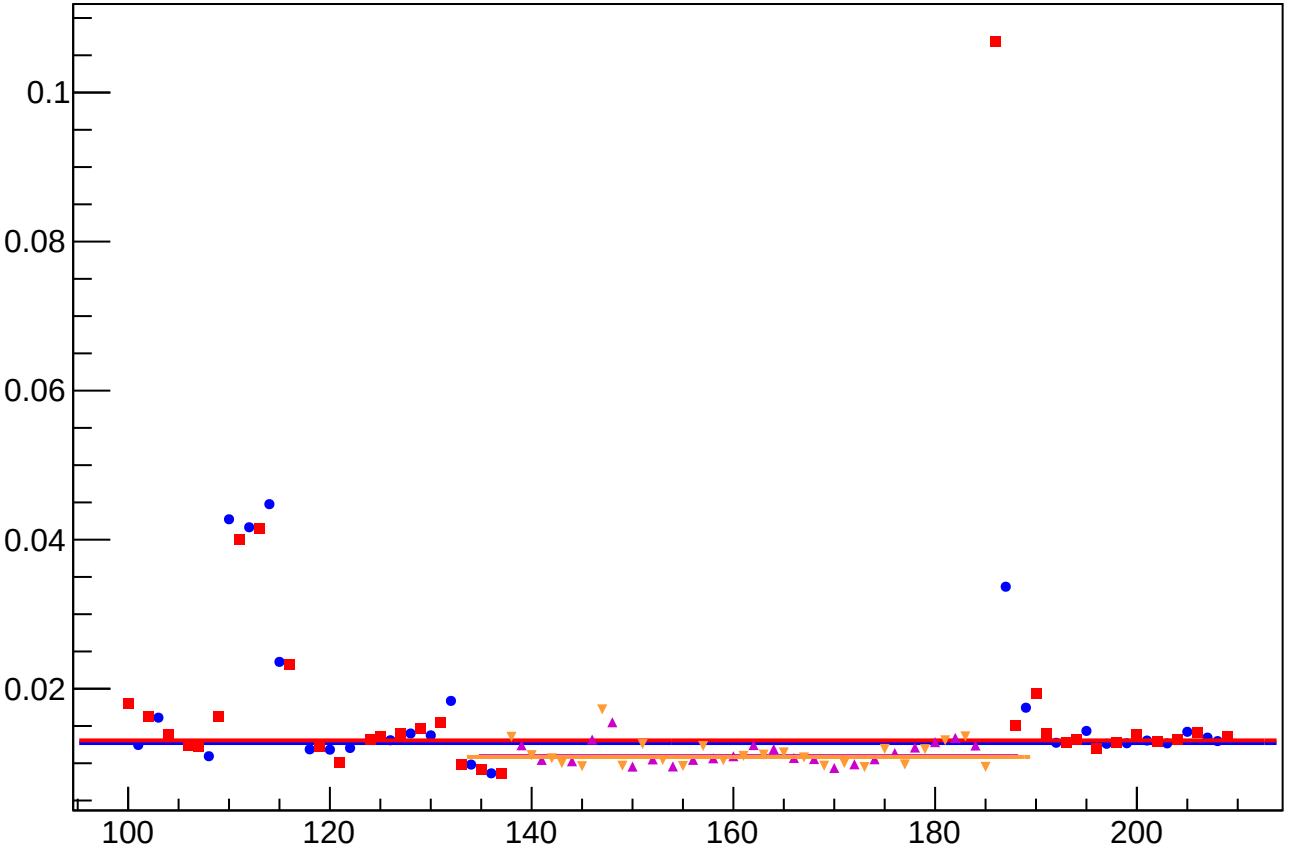
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.317+/-0.000 χ^2/NDF: 8601094344.1/51

All: 0.318+/-0.000 χ^2/NDF: 18223104924.4/1

- sign 0.320+/-0.000 χ^2/NDF: 9621161635.2/54

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1793654.0/26

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

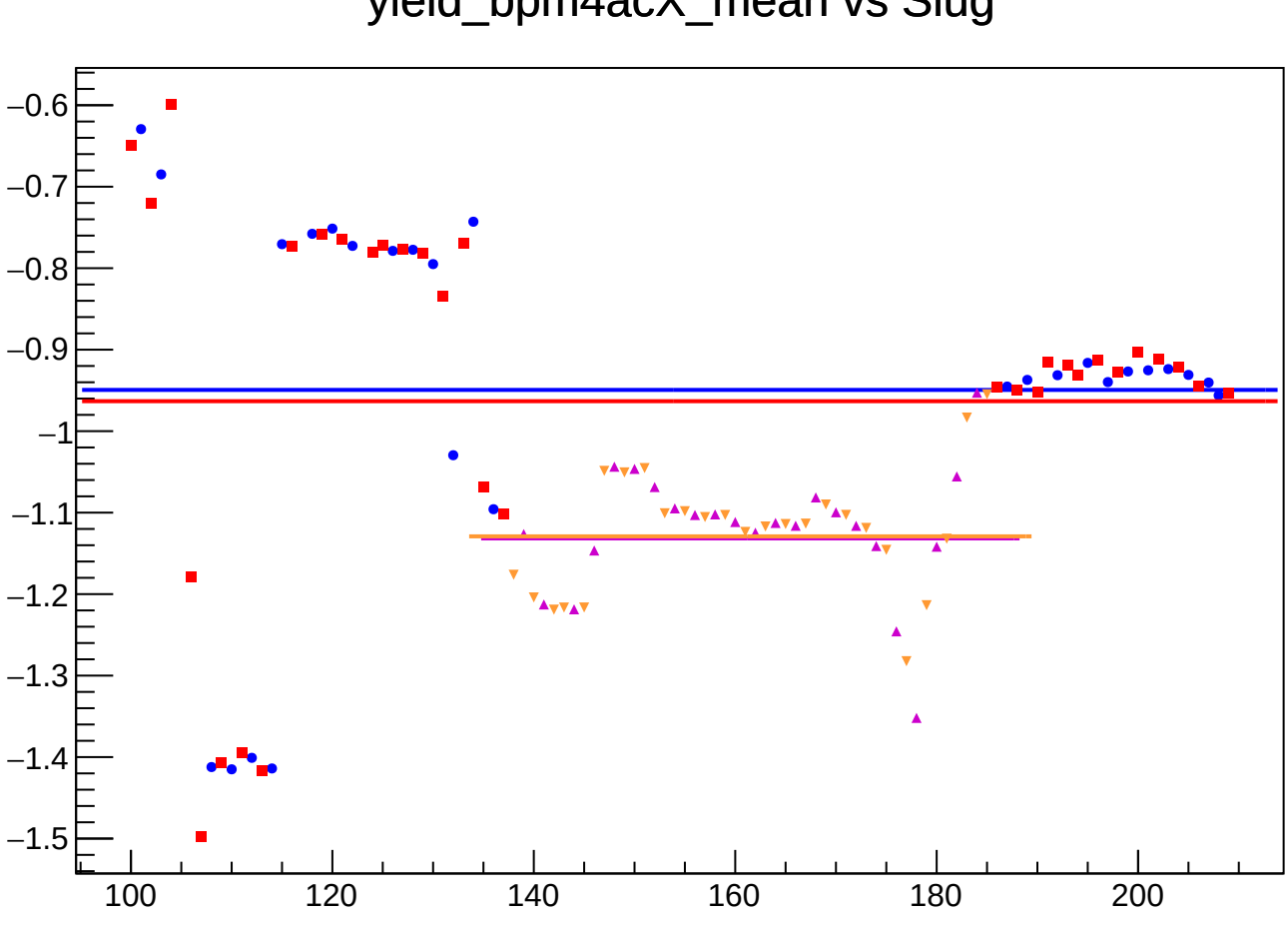
Right Out: 0.013+/-0.000 χ^2/NDF: 2179725.1/31

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 2837437.6/51

All: 0.012+/-0.000 χ^2/NDF: 6032929.8/106

- sign 0.012+/-0.000 χ^2/NDF: 3181242.8/54



Right In: -0.949+/-0.000 χ^2/NDF: 700278149.7/26

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.963+/-0.000 χ^2/NDF: 718005794.9/31

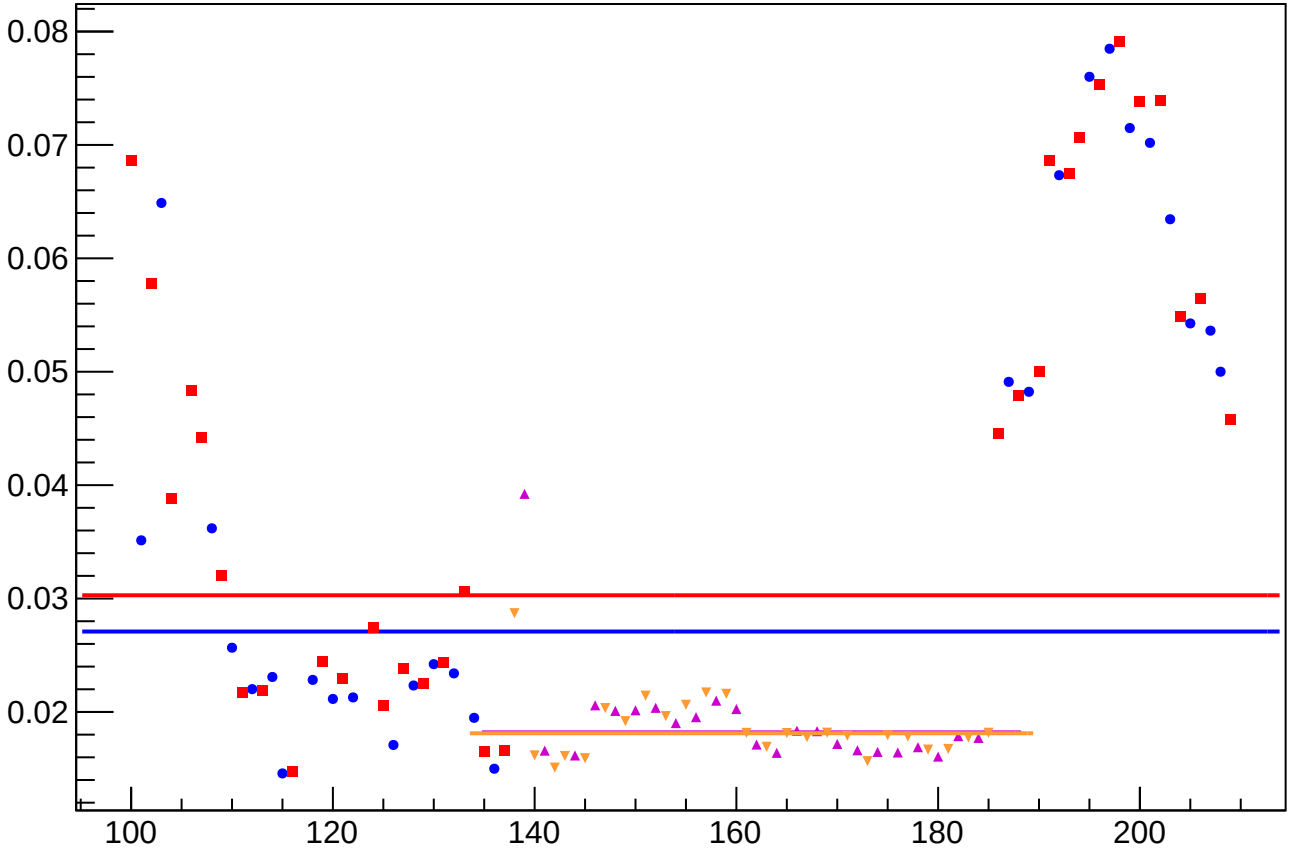
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.087+/-0.000 χ^2/NDF: 1294852265.1/51

All: -1.090+/-0.000 χ^2/NDF: 2561078358.9/1

- sign -1.093+/-0.000 χ^2/NDF: 1265216945.1/54

yield_bpm4acX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 7430321.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7351681.6/31

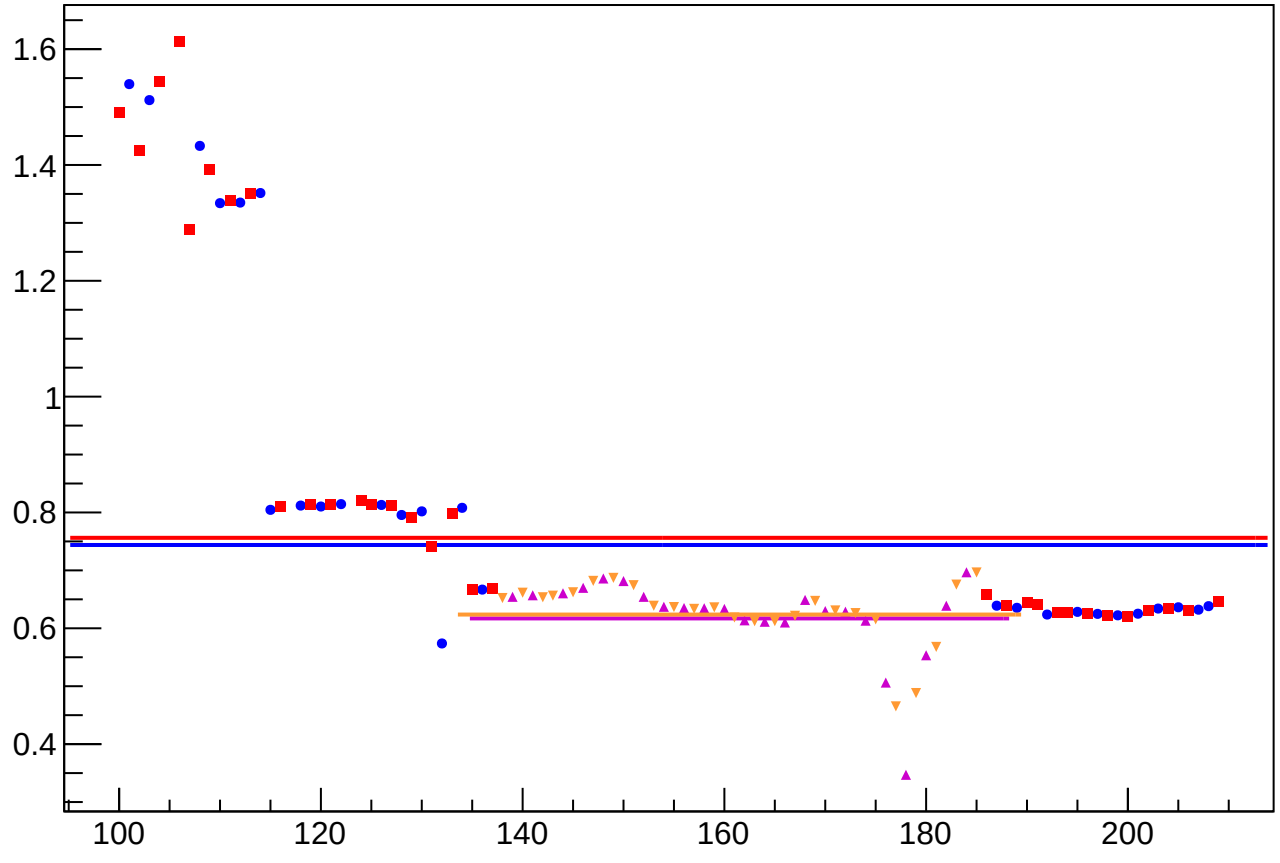
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 9681283.3/51

All: 0.021+/-0.000 χ^2/NDF: 20748807.1/106

- sign 0.021+/-0.000 χ^2/NDF: 11033330.3/54

yield_bpm4acY_mean vs Slug



Right In: 0.744+/-0.000 χ^2/NDF: 3861769727.5/26

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.756+/-0.000 χ^2/NDF: 4227890791.9/31

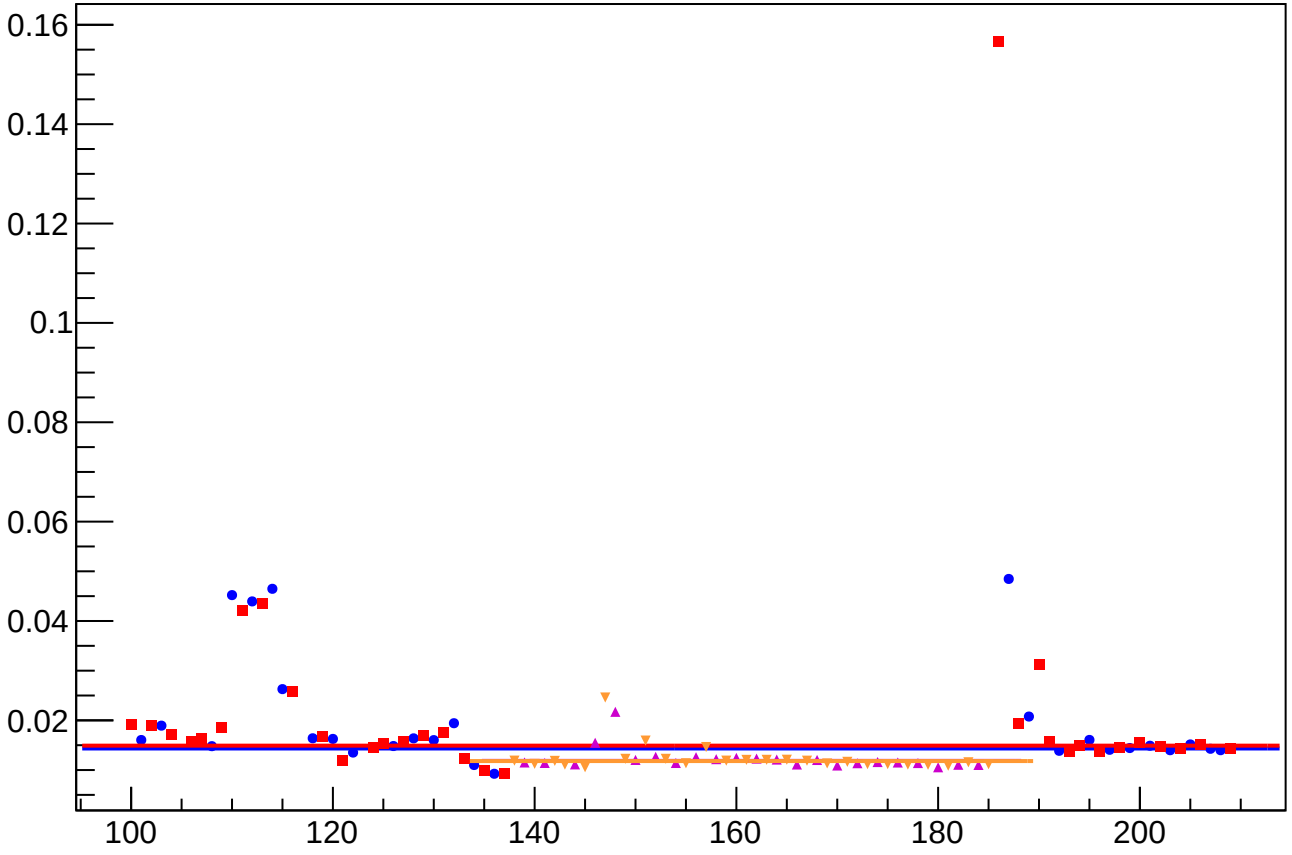
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.664+/-0.000 χ^2/NDF: 4910876899.6/51

All: 0.665+/-0.000 χ^2/NDF: 10640218509.0/1

- sign 0.666+/-0.000 χ^2/NDF: 5729052842.1/54

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1953718.5/26

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2391790.1/31

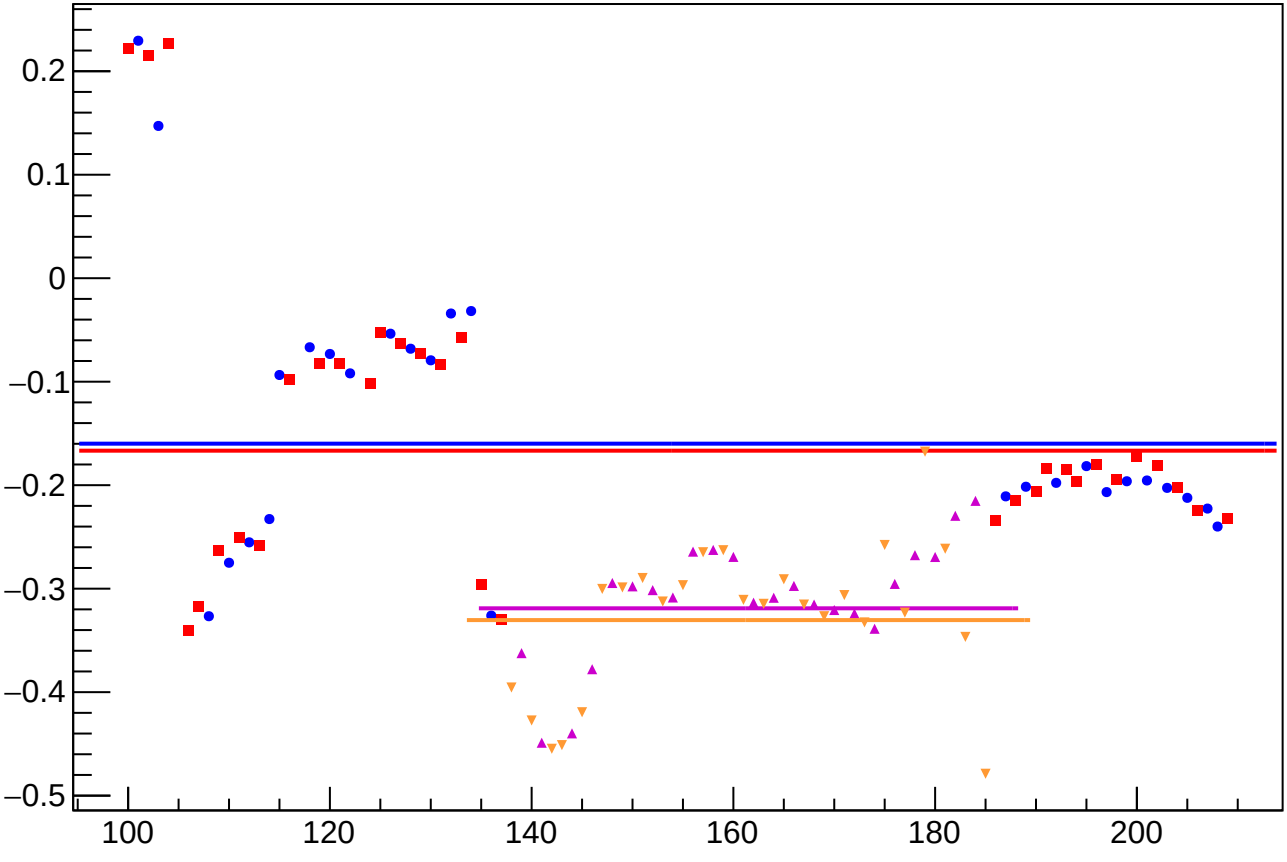
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3203609.7/51

All: 0.013+/-0.000 χ^2/NDF: 6946503.4/106

- sign 0.013+/-0.000 χ^2/NDF: 3729464.4/54

yield_bpm4ecX_mean vs Slug



Right In: -0.160+/-0.000 χ^2/NDF: 281311115.1/26

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.167+/-0.000 χ^2/NDF: 201746027.2/31

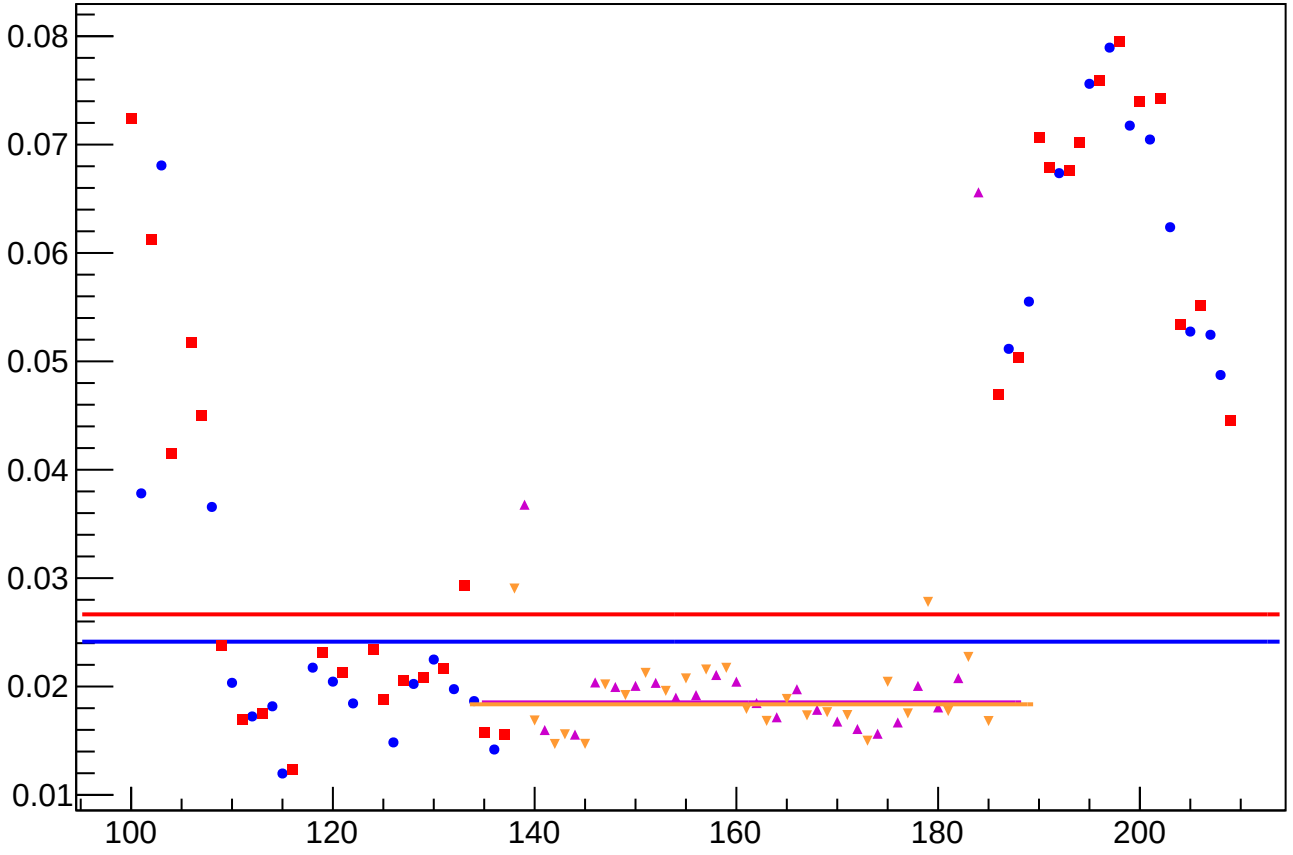
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.284+/-0.000 χ^2/NDF: 827443248.4/51

All: -0.281+/-0.000 χ^2/NDF: 1428904298.6/1

- sign -0.277+/-0.000 χ^2/NDF: 600299915.7/54

yield_bpm4ecX_rms vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 8494003.6/26

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.027+/-0.000 χ^2/NDF: 8883167.7/31

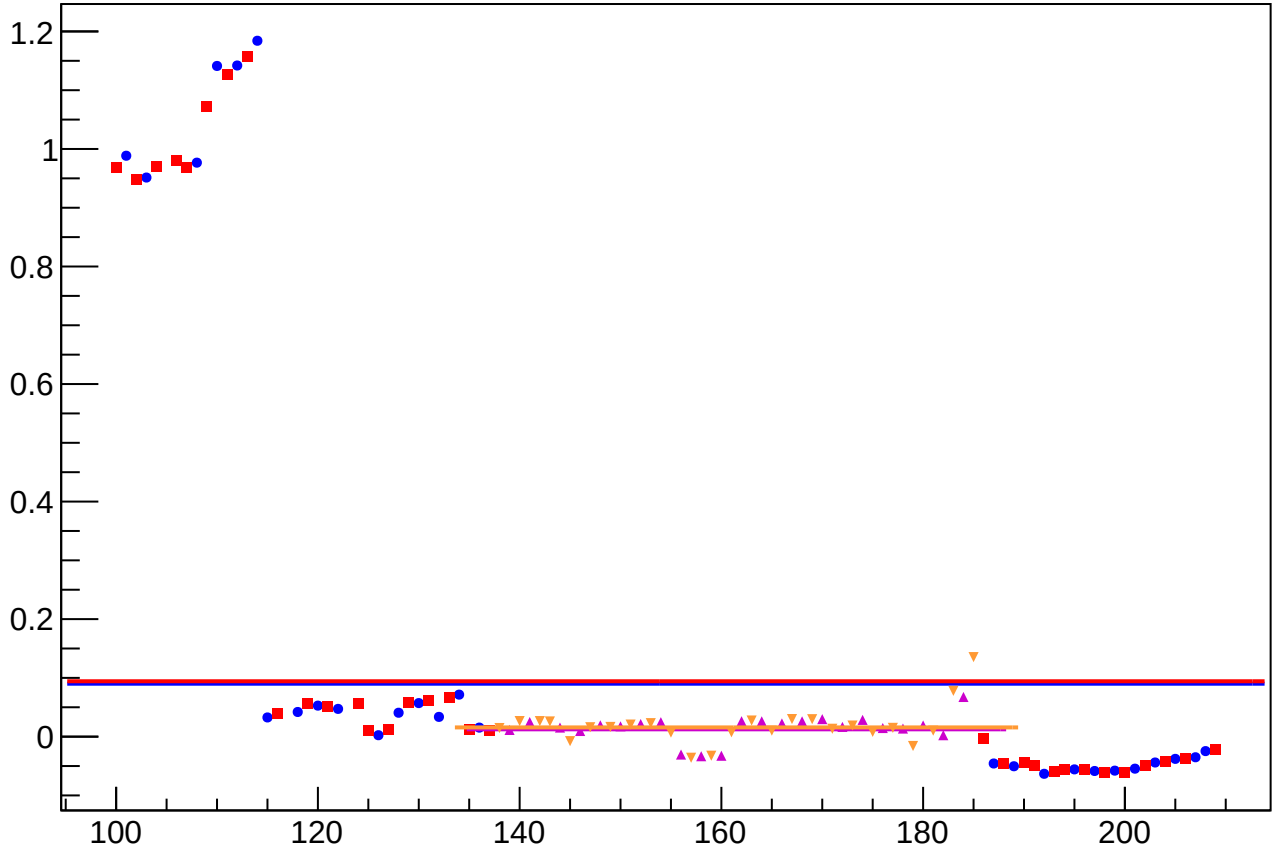
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.020+/-0.000 χ^2/NDF: 10066509.4/51

All: 0.020+/-0.000 χ^2/NDF: 21445847.6/106

- sign 0.021+/-0.000 χ^2/NDF: 11339854.4/54

yield_bpm4ecY_mean vs Slug



Right In: 0.090+/-0.000 χ^2/NDF: 8375321547.9/26

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.094+/-0.000 χ^2/NDF: 9174323943.3/31

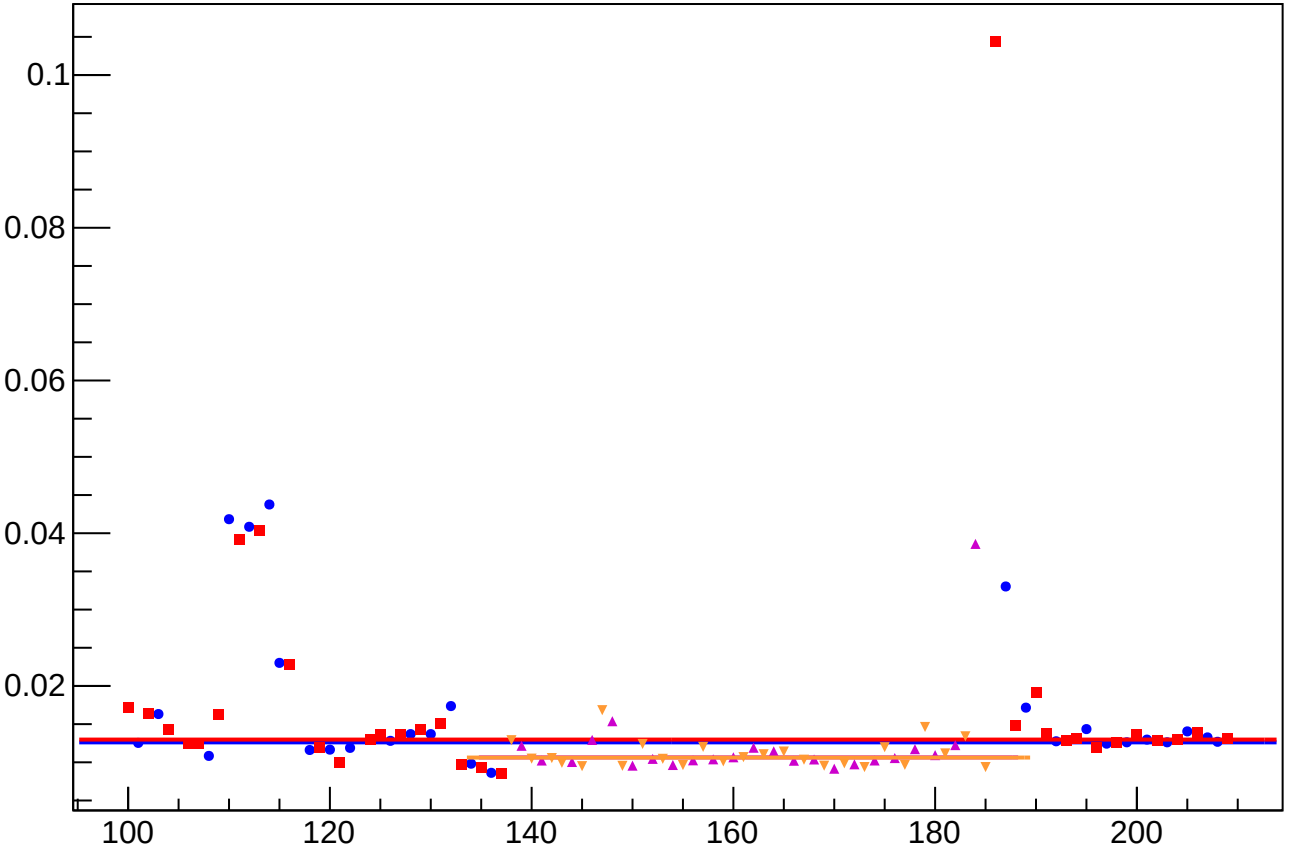
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.042+/-0.000 χ^2/NDF: 8793617773.5/51

All: 0.043+/-0.000 χ^2/NDF: 18403422678.1/1

- sign 0.043+/-0.000 χ^2/NDF: 9609733554.2/54

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1755873.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2120240.9/31

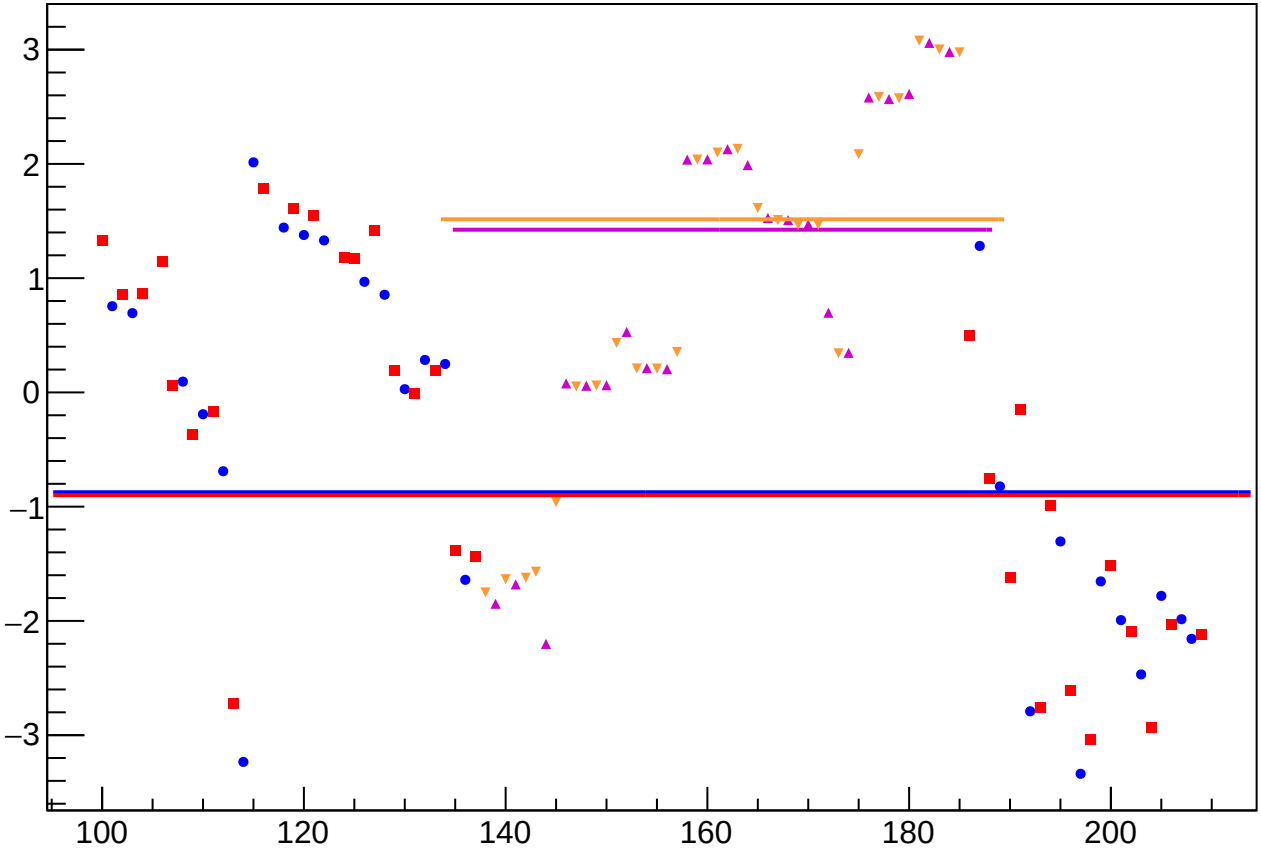
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2826905.8/51

All: 0.011+/-0.000 χ^2/NDF: 6141306.7/106

- sign 0.012+/-0.000 χ^2/NDF: 3306314.2/54

yield_bpm1X_mean vs Slug



Right In: -0.874+/-0.000 χ^2/NDF: 8582008632.5/26

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.899+/-0.000 χ^2/NDF: 9507149877.0/31

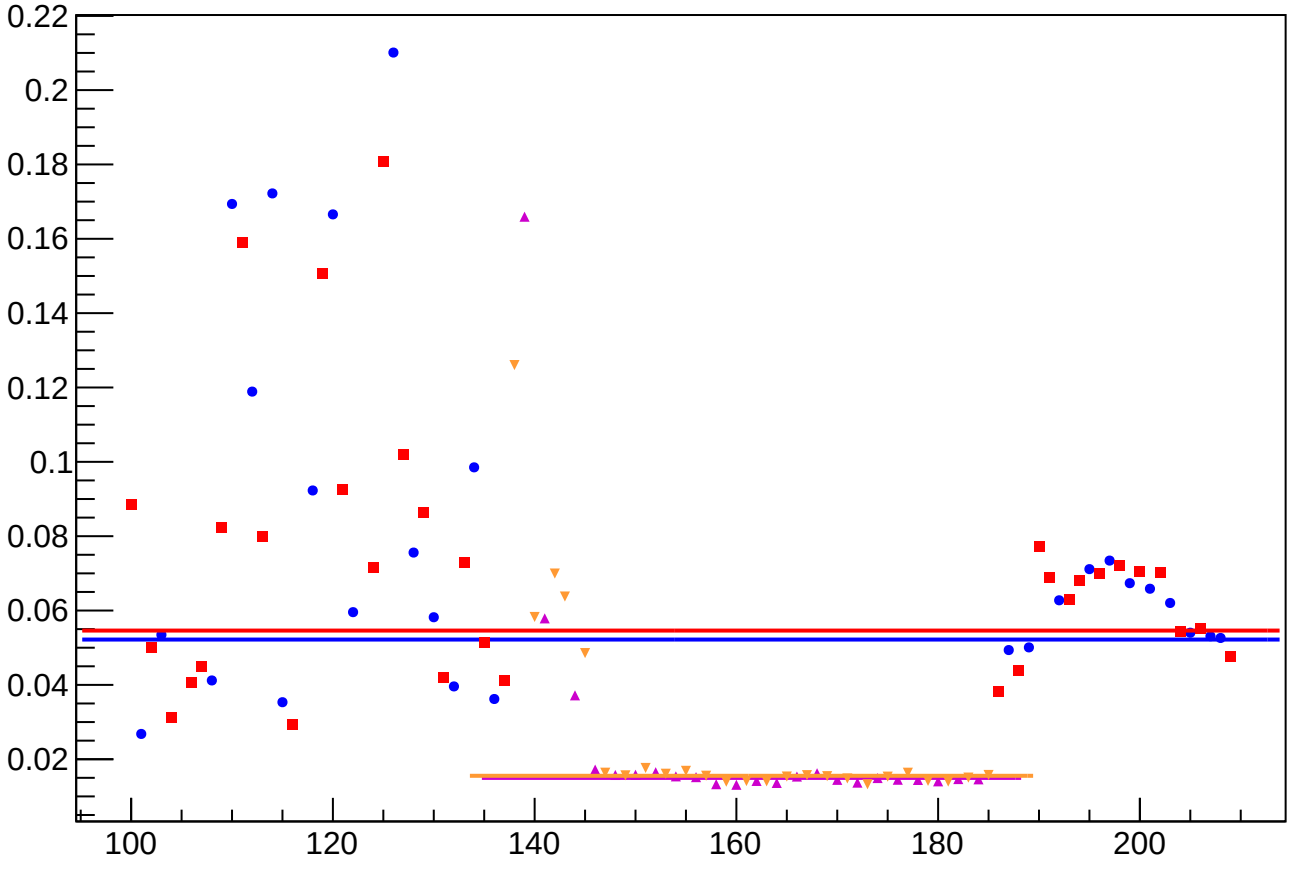
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.359+/-0.000 χ^2/NDF: 98931182071.6/51

All: 1.314+/-0.000 χ^2/NDF: 199099461545.5

- sign 1.269+/-0.000 χ^2/NDF: 99901373438.5/54

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3553767.2/26

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

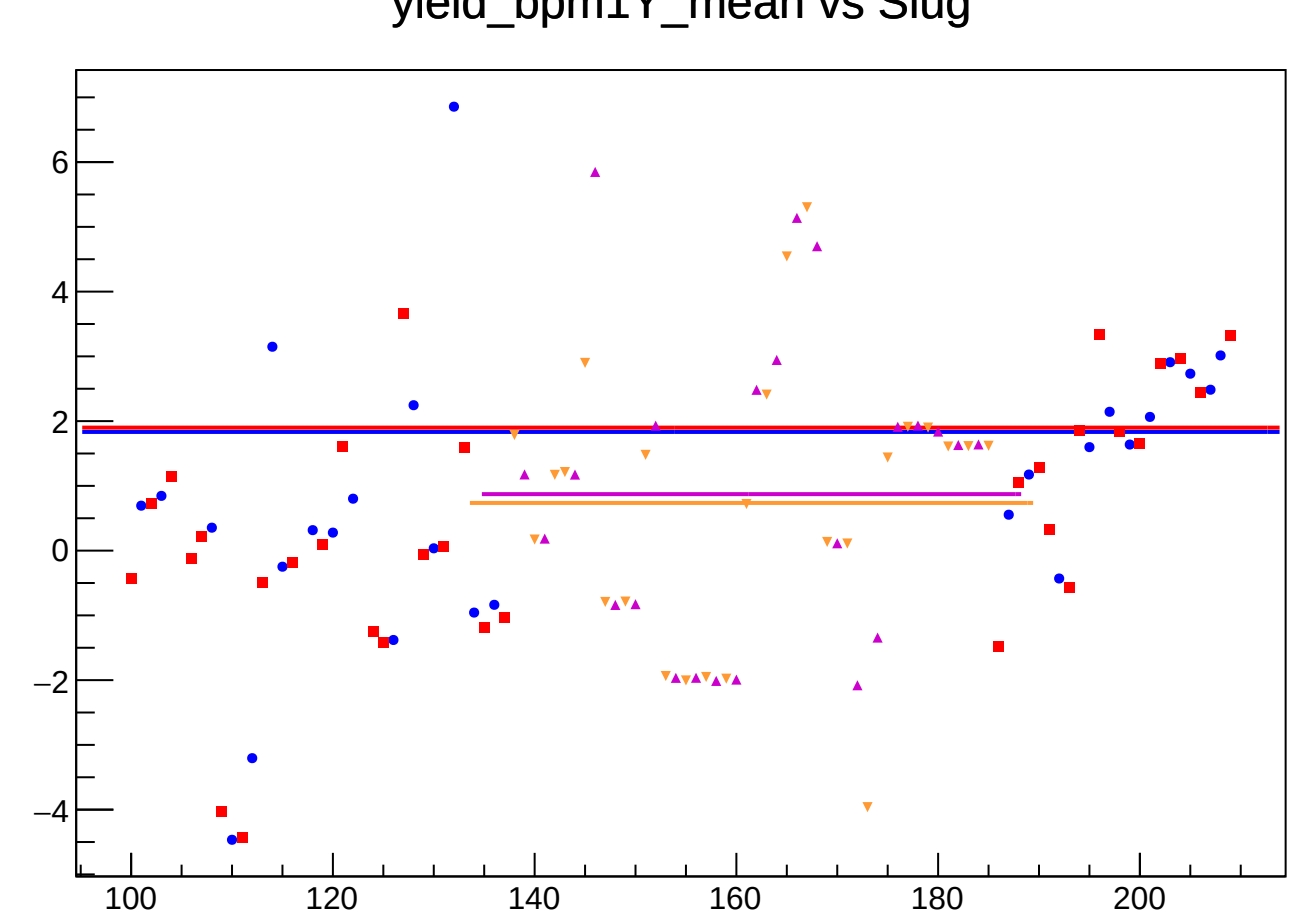
Right Out: 0.055+/-0.000 χ^2/NDF: 3180411.4/31

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

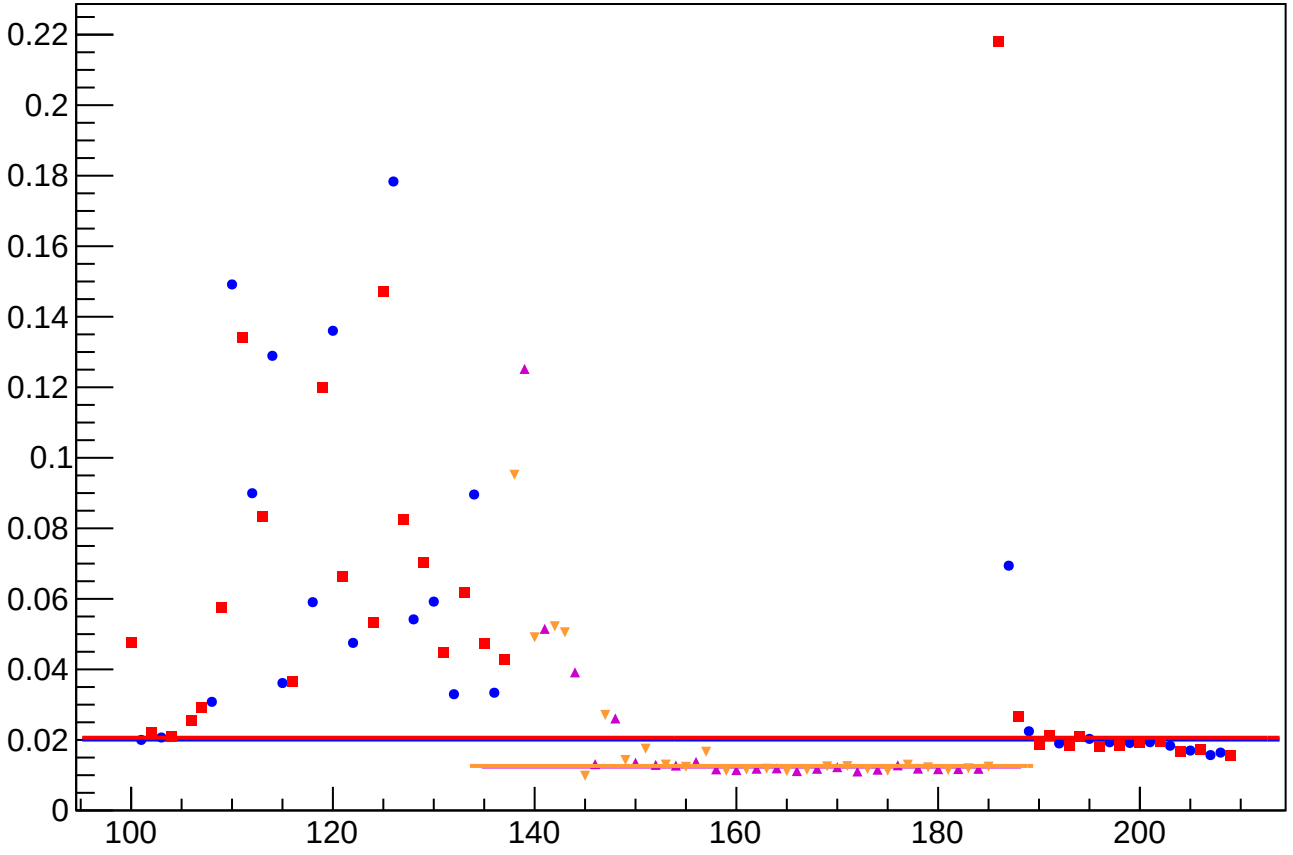
+ sign 0.018+/-0.000 χ^2/NDF: 17156481.9/51

All: 0.018+/-0.000 χ^2/NDF: 35534754.9/106

- sign 0.018+/-0.000 χ^2/NDF: 18371626.1/54


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 1.833+/-0.000 χ²/NDF: 38703790279.6/26
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 1.900+/-0.000 χ²/NDF: 44539367796.7/31
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.964+/-0.000 χ²/NDF: 599409590052.0/51
All: 1.029+/-0.000 χ²/NDF: 1287756998974.
- sign 1.094+/-0.000 χ²/NDF: 687278745234.2/54

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 4394798.7/26

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.021+/-0.000 χ^2/NDF: 5494301.8/31

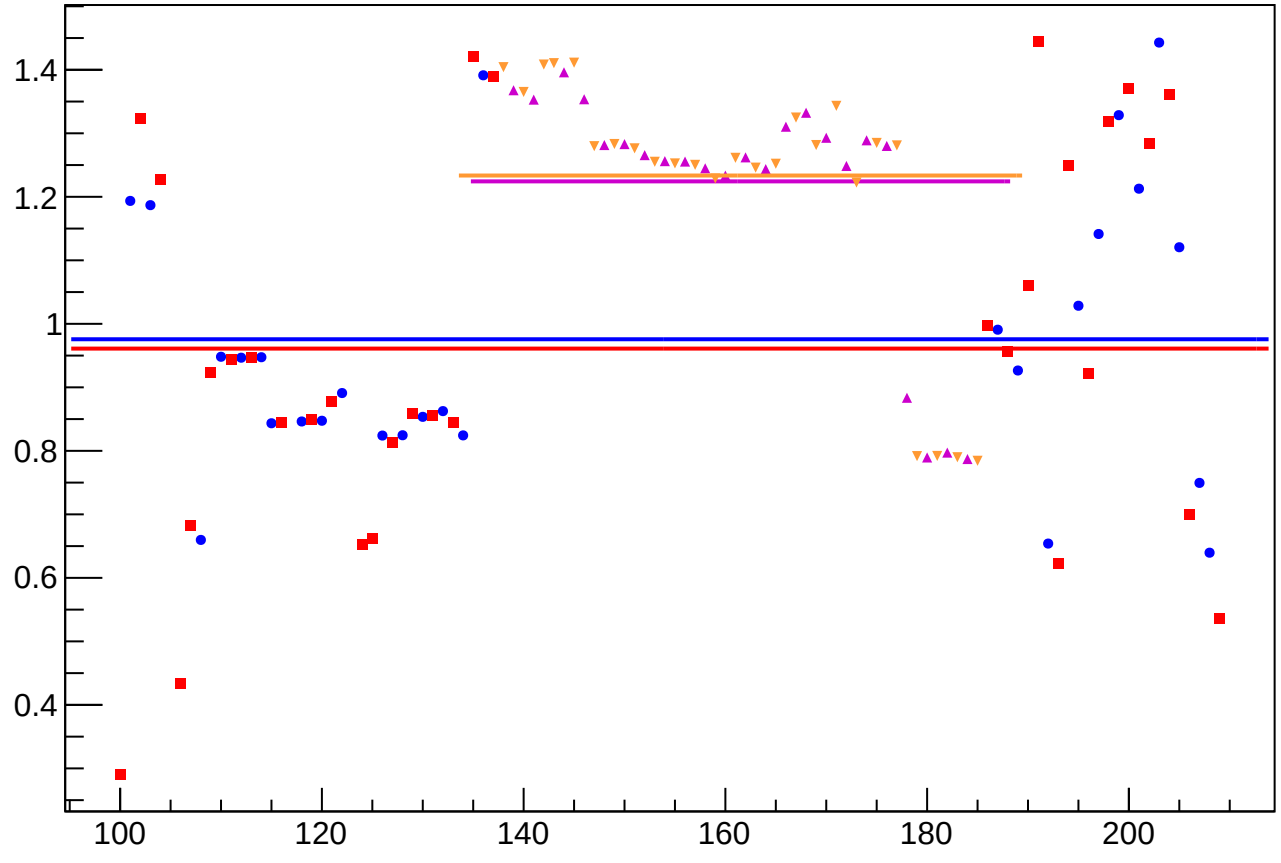
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9891087.8/51

All: 0.014+/-0.000 χ^2/NDF: 20993582.0/106

- sign 0.014+/-0.000 χ^2/NDF: 11102238.7/54

yield_bpm11X_mean vs Slug



Right In: 0.976+/-0.000 χ^2/NDF: 1971512295.7/26

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

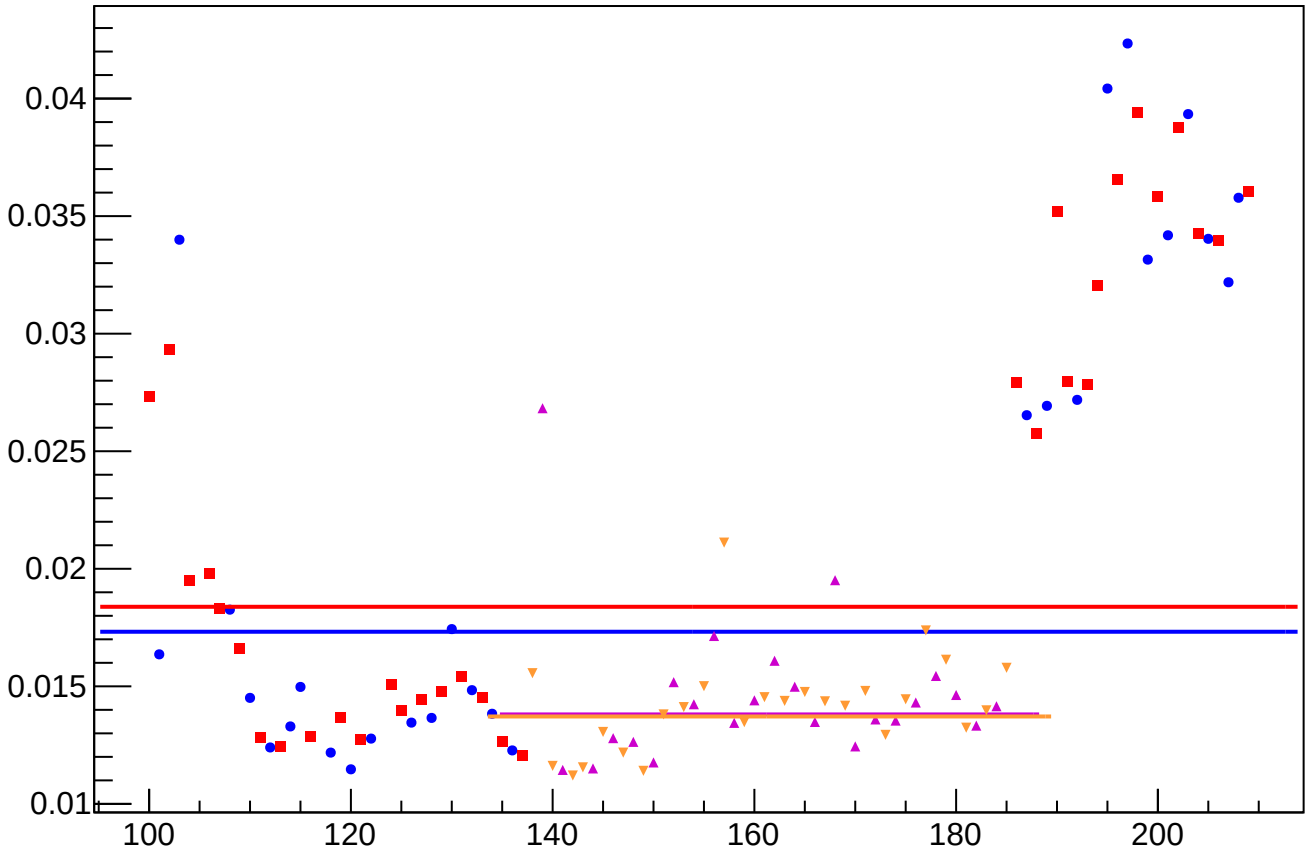
Right Out: 0.961+/-0.000 χ^2/NDF: 2427867939.4/31

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.155+/-0.000 χ^2/NDF: 6841381218.5/51

All: 1.148+/-0.000 χ^2/NDF: 13791437351.1/1

- sign 1.142+/-0.000 χ^2/NDF: 6938621361.8/54



Right In: 0.017+/-0.000 χ^2/NDF: 5230958.0/26

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 5122702.3/31

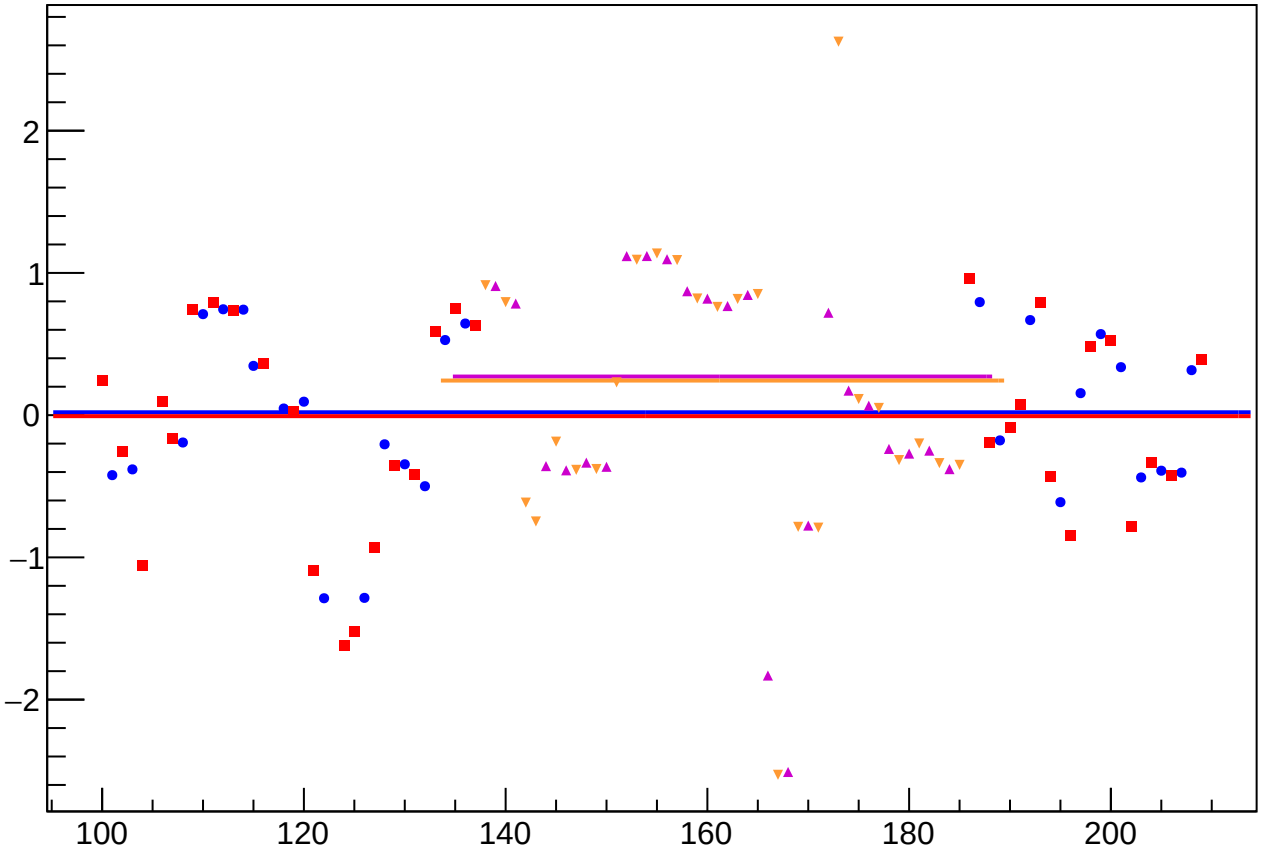
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 6495364.5/51

All: 0.015+/-0.000 χ^2/NDF: 13634527.9/106

- sign 0.015+/-0.000 χ^2/NDF: 7115940.7/54

yield_bpm11Y_mean vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 24786479371.2/26

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: -0.007+/-0.000 χ^2/NDF: 35927908984.3/31

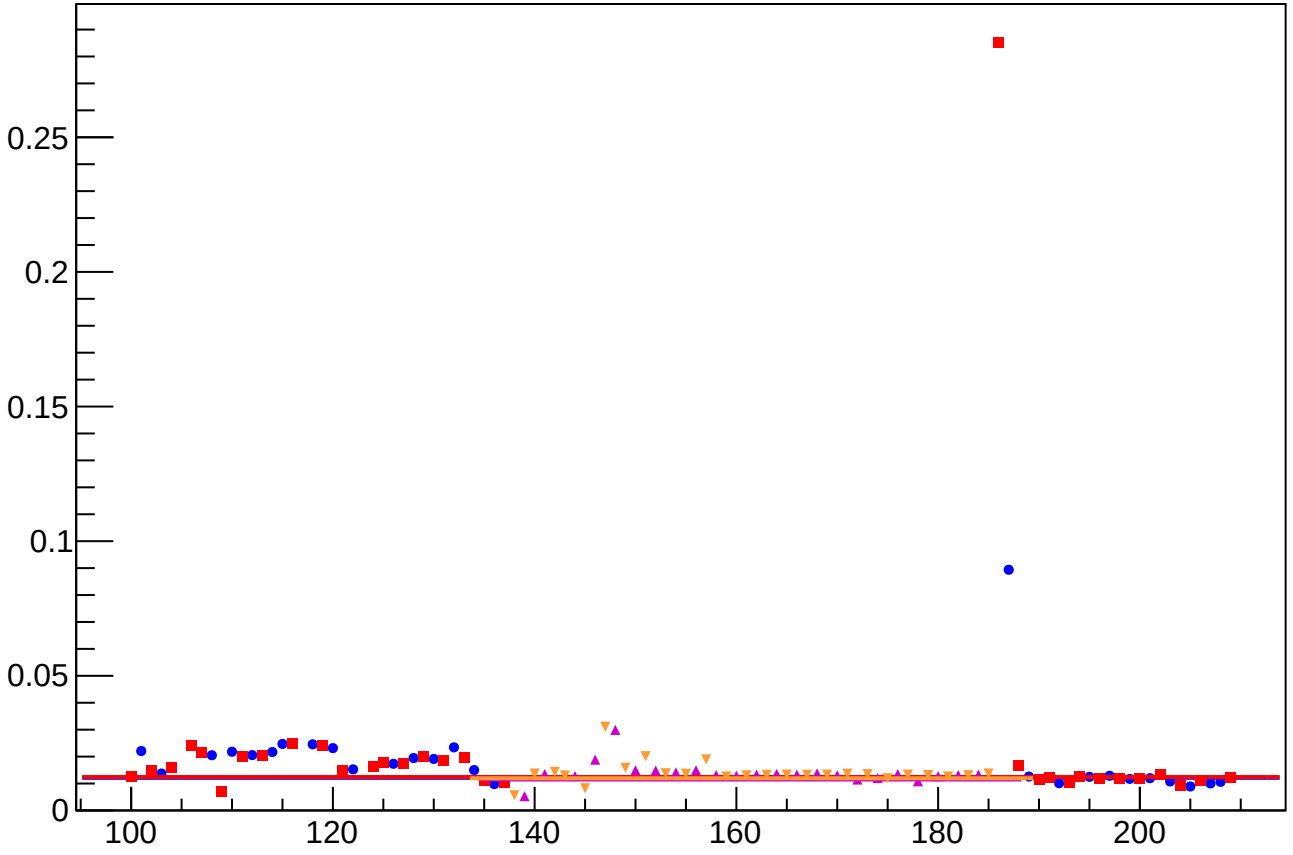
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.147+/-0.000 χ^2/NDF: 132894081054.9/51

All: 0.149+/-0.000 χ^2/NDF: 263287184078.4

- sign 0.151+/-0.000 χ^2/NDF: 130391996705.7/54

yield_bpm11Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2538790.8/26

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2884706.4/31

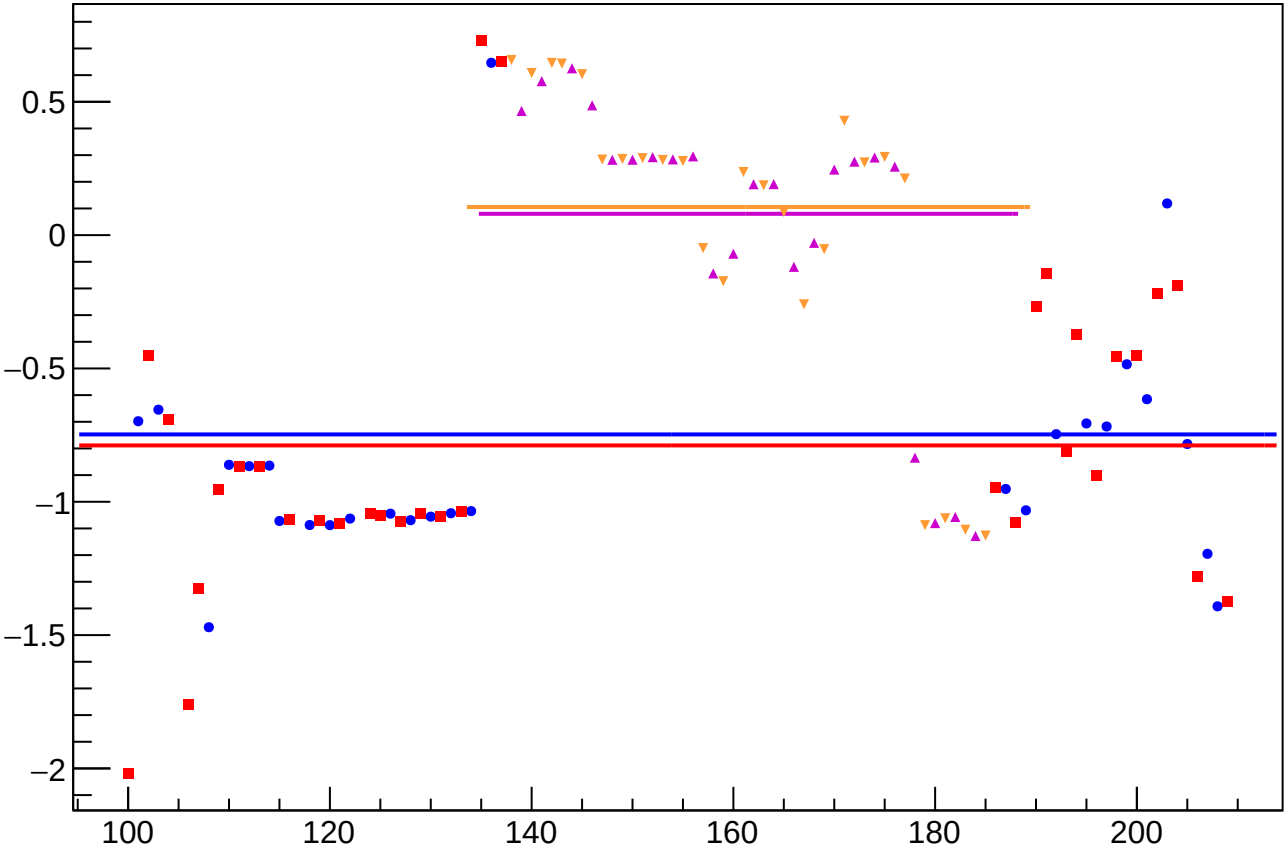
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5808235.9/51

All: 0.012+/-0.000 χ^2/NDF: 12455282.2/106

- sign 0.012+/-0.000 χ^2/NDF: 6643003.0/54

yield_bpm12X_mean vs Slug



Right In: -0.747+/-0.000 χ^2/NDF: 2238255598.3/26

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.789+/-0.000 χ^2/NDF: 2147353800.7/31

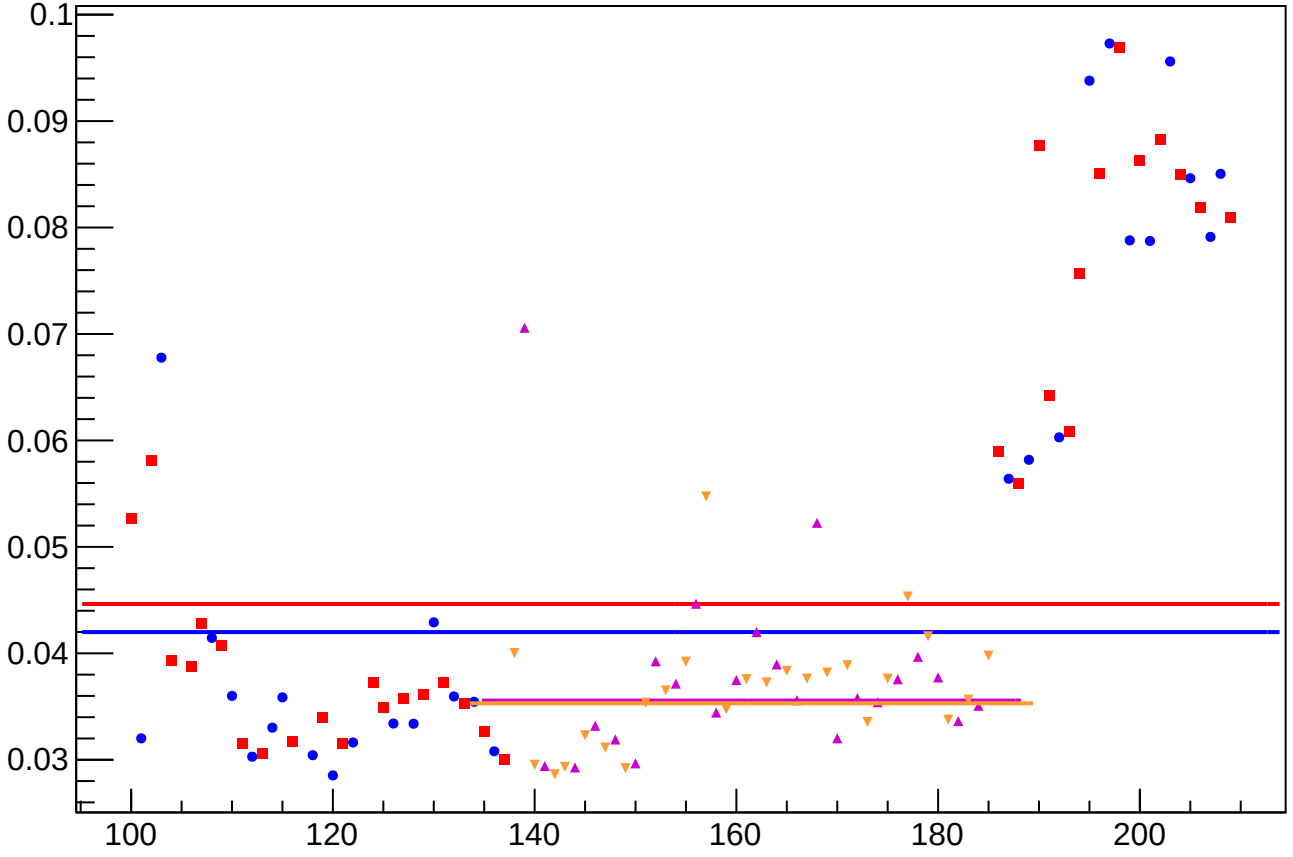
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.183+/-0.000 χ^2/NDF: 9345134522.2/51

All: -0.203+/-0.000 χ^2/NDF: 18125765396.7/

- sign -0.223+/-0.000 χ^2/NDF: 8764832288.0/54

yield_bpm12X_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 4860838.3/26

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.045+/-0.000 χ^2/NDF: 4574811.4/31

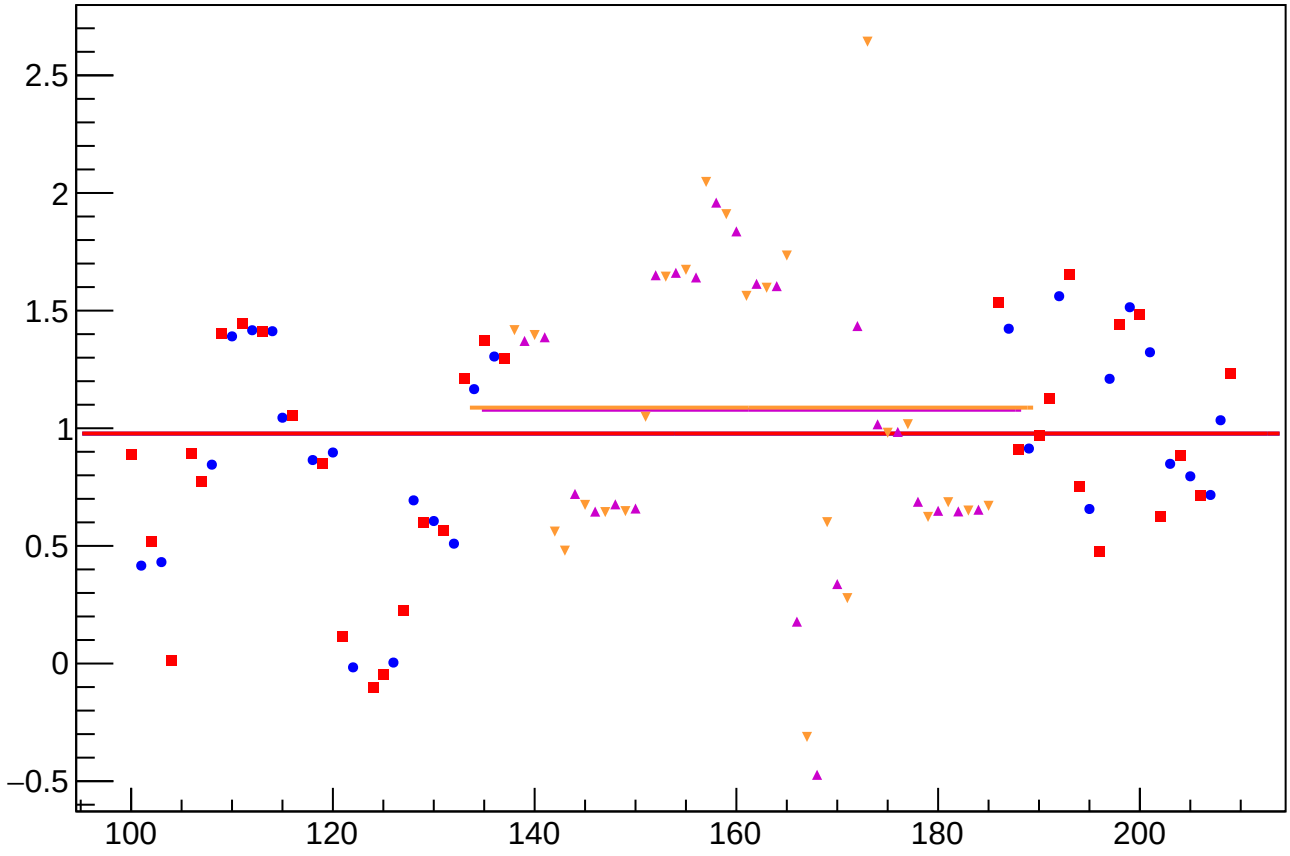
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.038+/-0.000 χ^2/NDF: 5882354.5/51

All: 0.038+/-0.000 χ^2/NDF: 12174369.2/106

- sign 0.039+/-0.000 χ^2/NDF: 6265231.5/54

yield_bpm12Y_mean vs Slug



Right In: 0.977+/-0.000 χ^2/NDF: 29182272512.5/26

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.978+/-0.000 χ^2/NDF: 38223428013.6/31

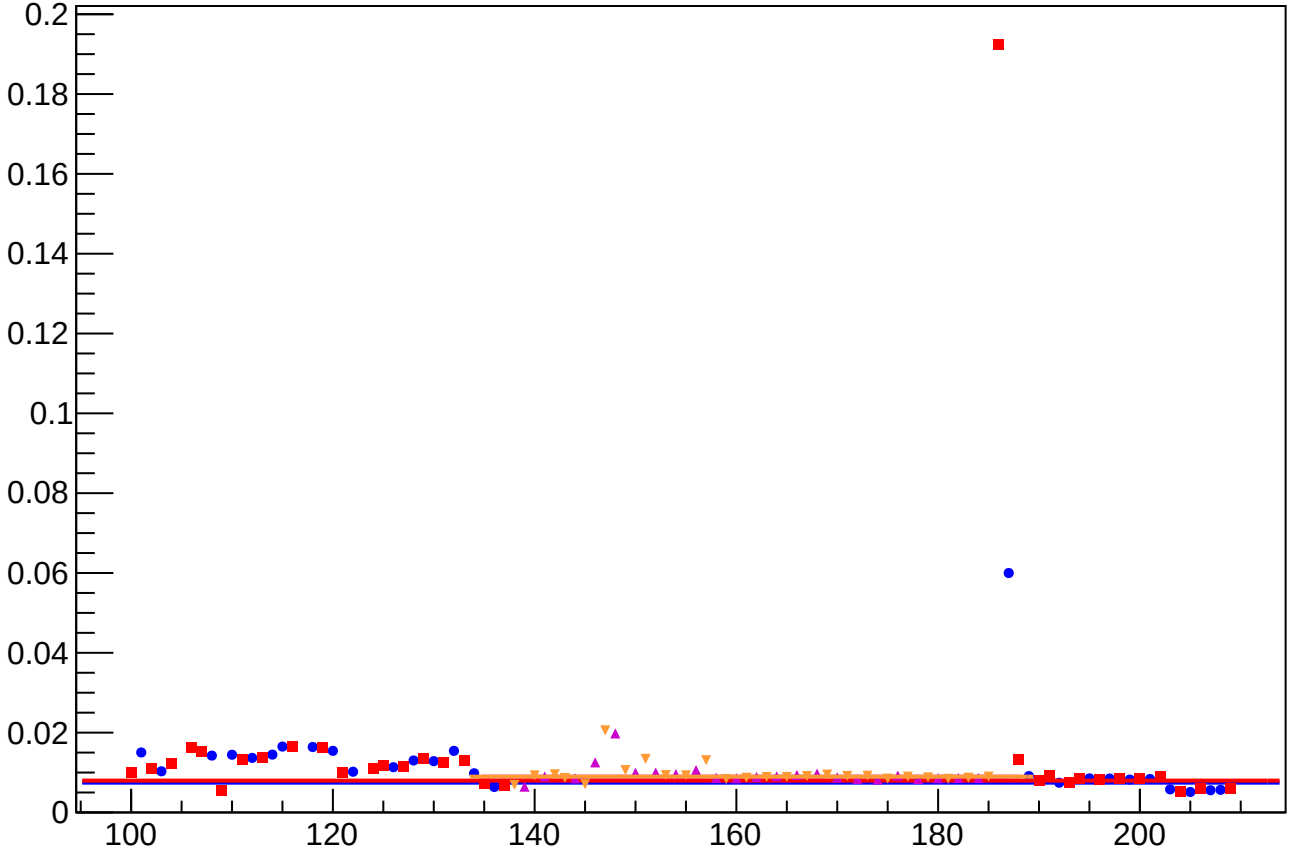
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.031+/-0.000 χ^2/NDF: 124429853883.4/51

All: 1.029+/-0.000 χ^2/NDF: 237841517532.7

- sign 1.027+/-0.000 χ^2/NDF: 113407656653.2/54

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3500818.4/26

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3640830.9/31

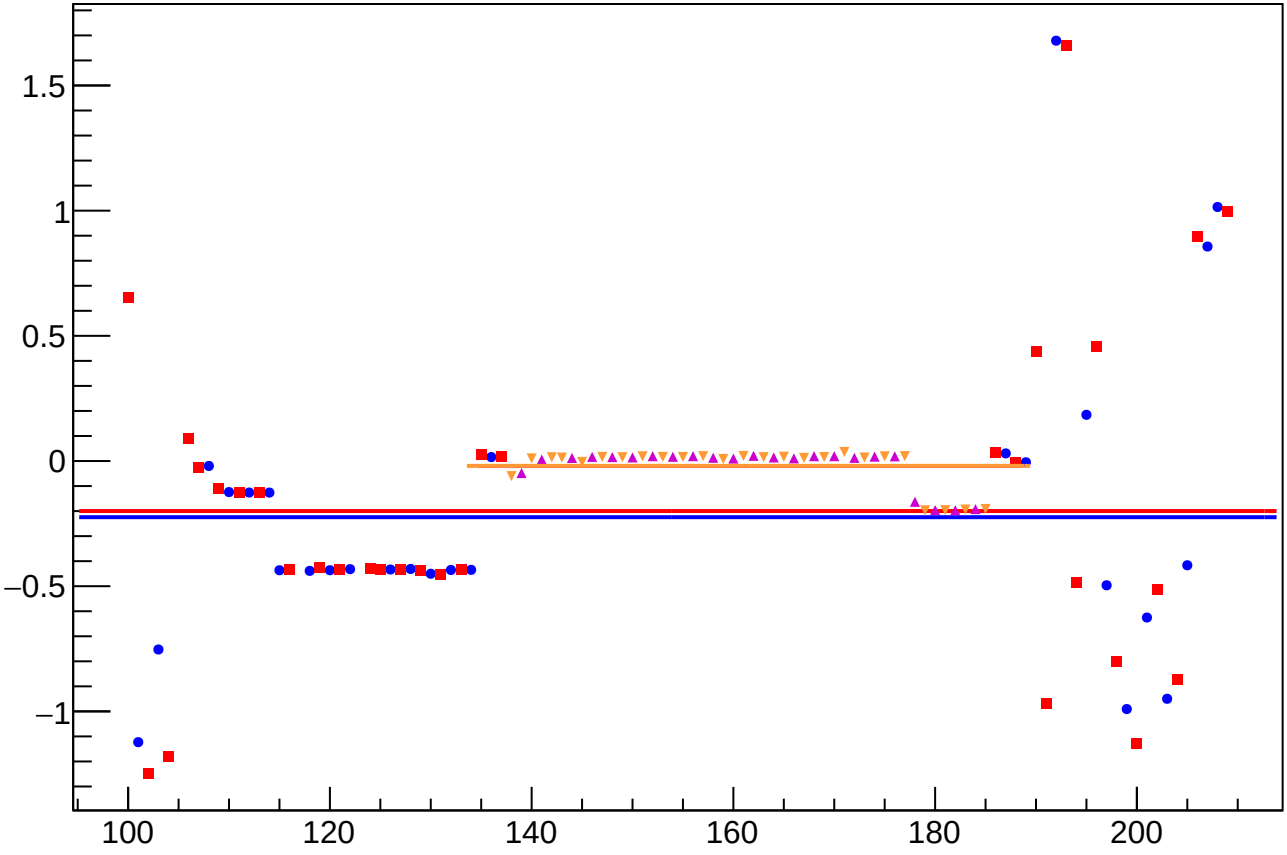
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 5165053.8/51

All: 0.008+/-0.000 χ^2/NDF: 10002325.7/106

- sign 0.008+/-0.000 χ^2/NDF: 4810184.9/54

yield_bpm16X_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF: 4408857336.0/26

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.200+/-0.000 χ^2/NDF: 4266515918.5/31

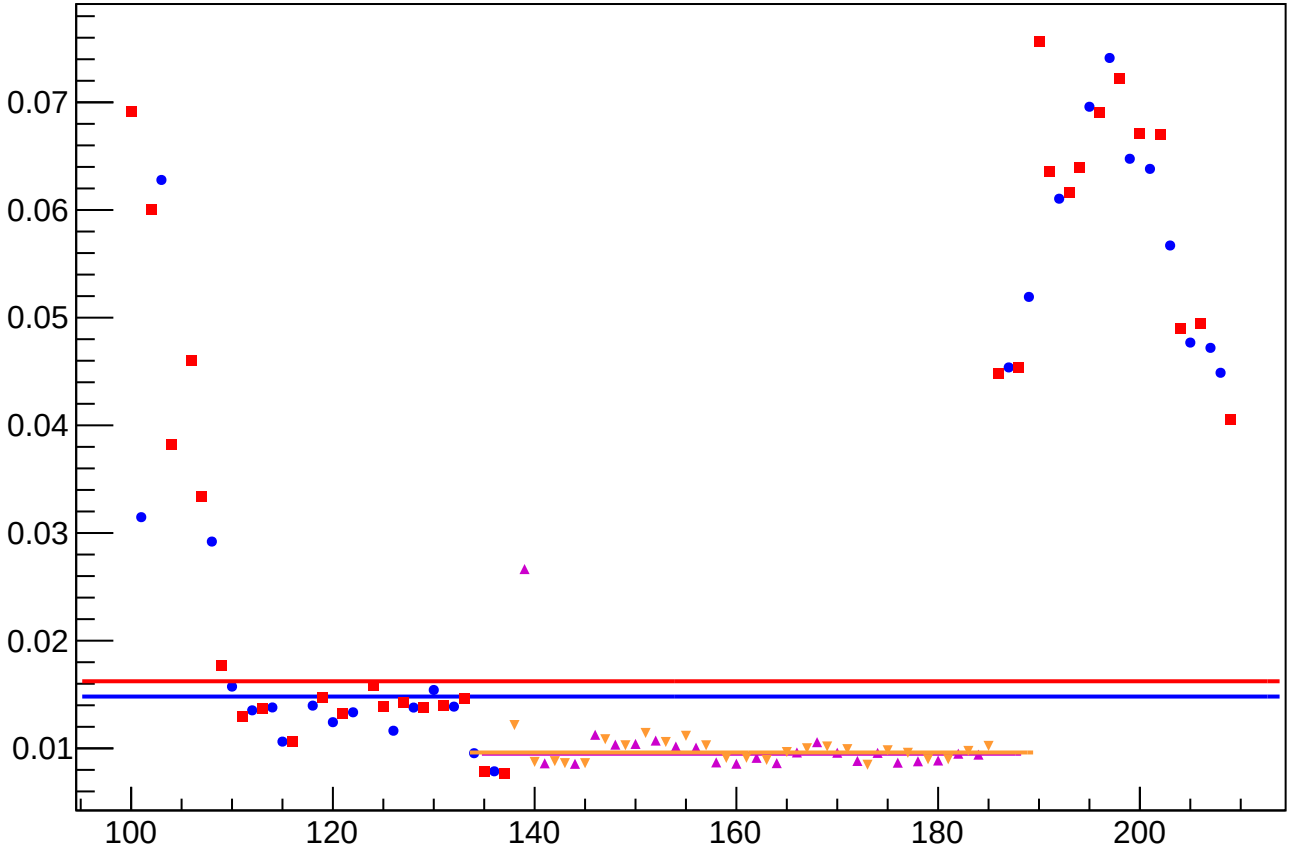
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.056+/-0.000 χ^2/NDF: 6787122067.8/51

All: -0.053+/-0.000 χ^2/NDF: 12973093145.1/

- sign -0.051+/-0.000 χ^2/NDF: 6183577008.1/54

yield_bpm16X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 11503332.4/26

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

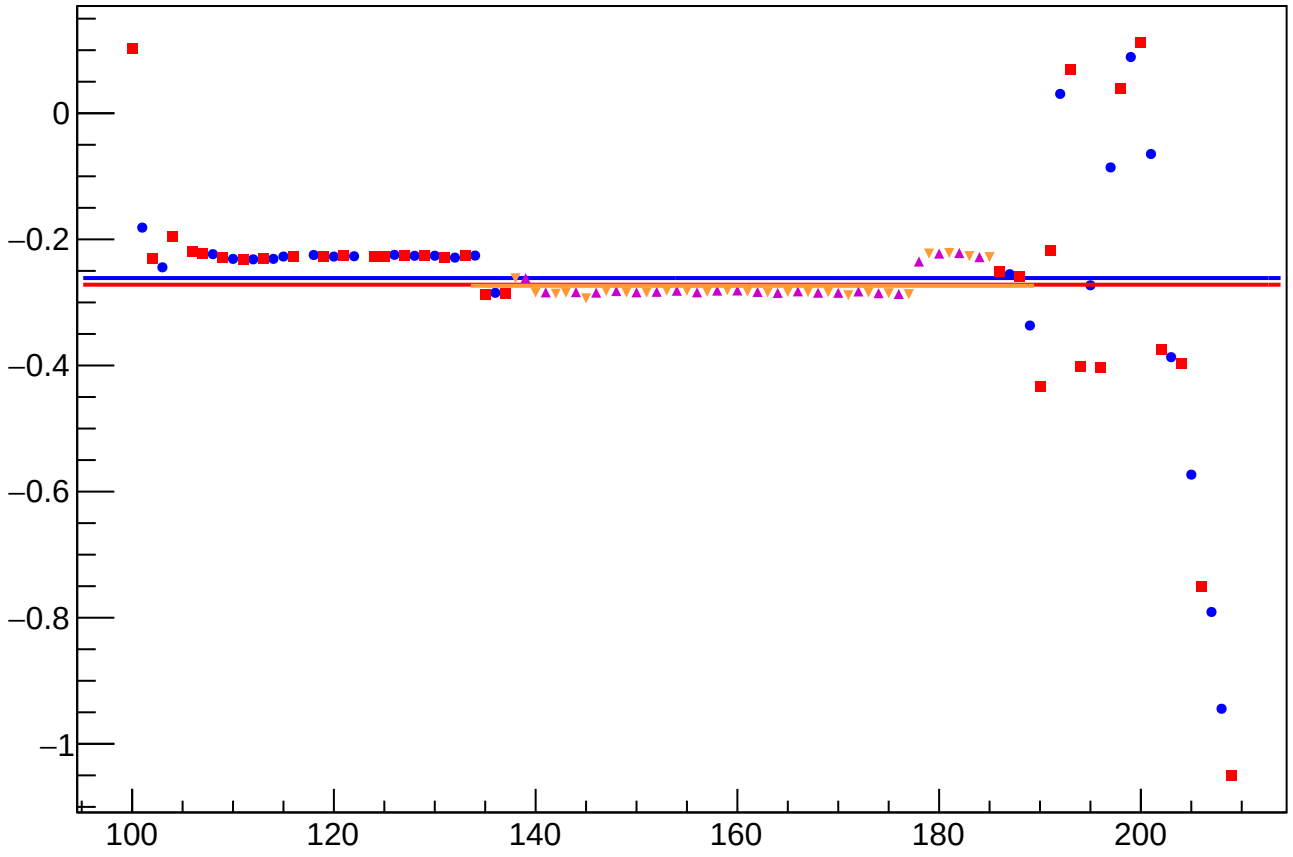
Right Out: 0.016+/-0.000 χ^2/NDF: 12623091.7/31

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 13469884.4/51

All: 0.011+/-0.000 χ^2/NDF: 29613963.9/106

- sign 0.011+/-0.000 χ^2/NDF: 16141343.7/54



Right In: -0.261+/-0.000 χ^2/NDF: 24342635149.0/26

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.272+/-0.000 χ^2/NDF: 26090752937.5/31

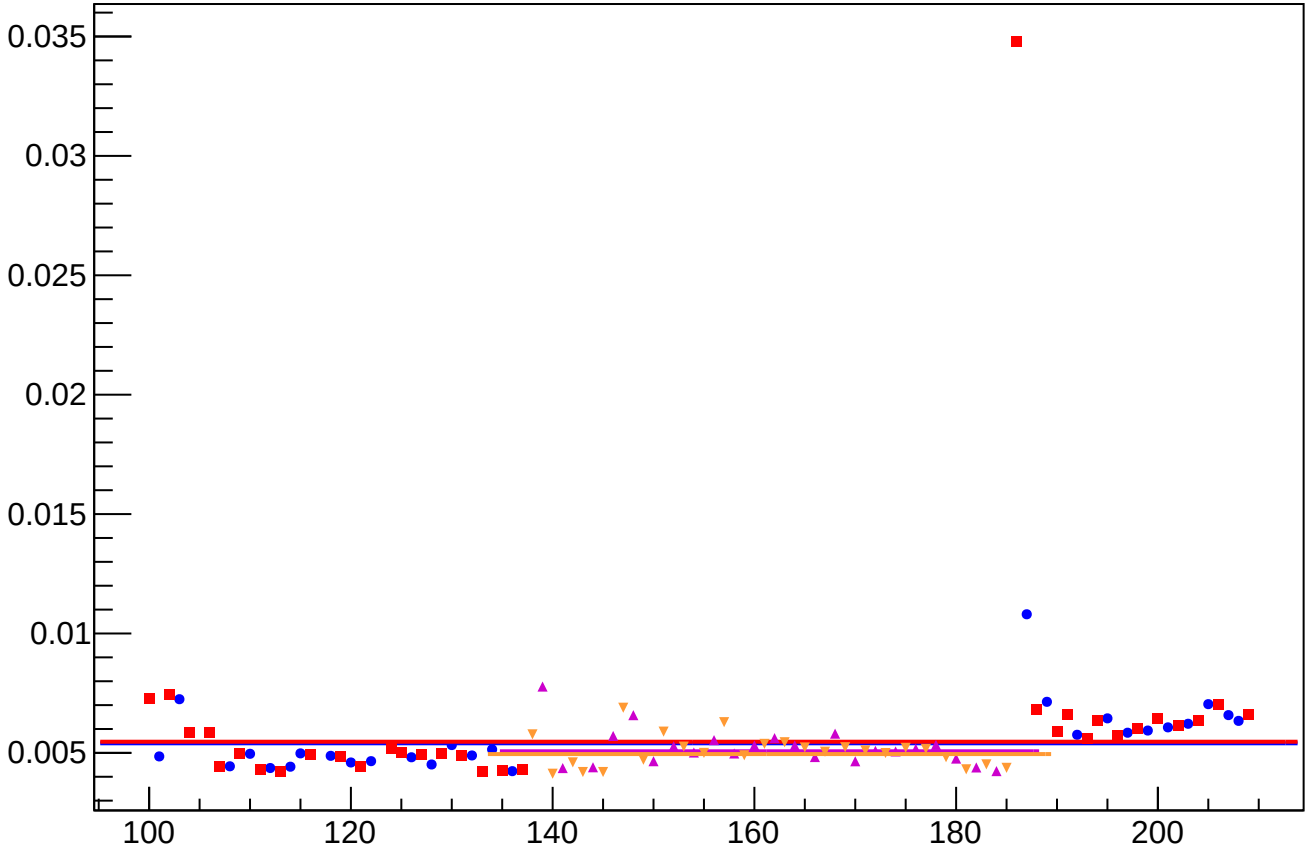
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.269+/-0.000 χ^2/NDF: 24781769801.4/51

All: -0.270+/-0.000 χ^2/NDF: 51215740962.8/

- sign -0.272+/-0.000 χ^2/NDF: 26426063791.8/54

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 867992.7/26

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

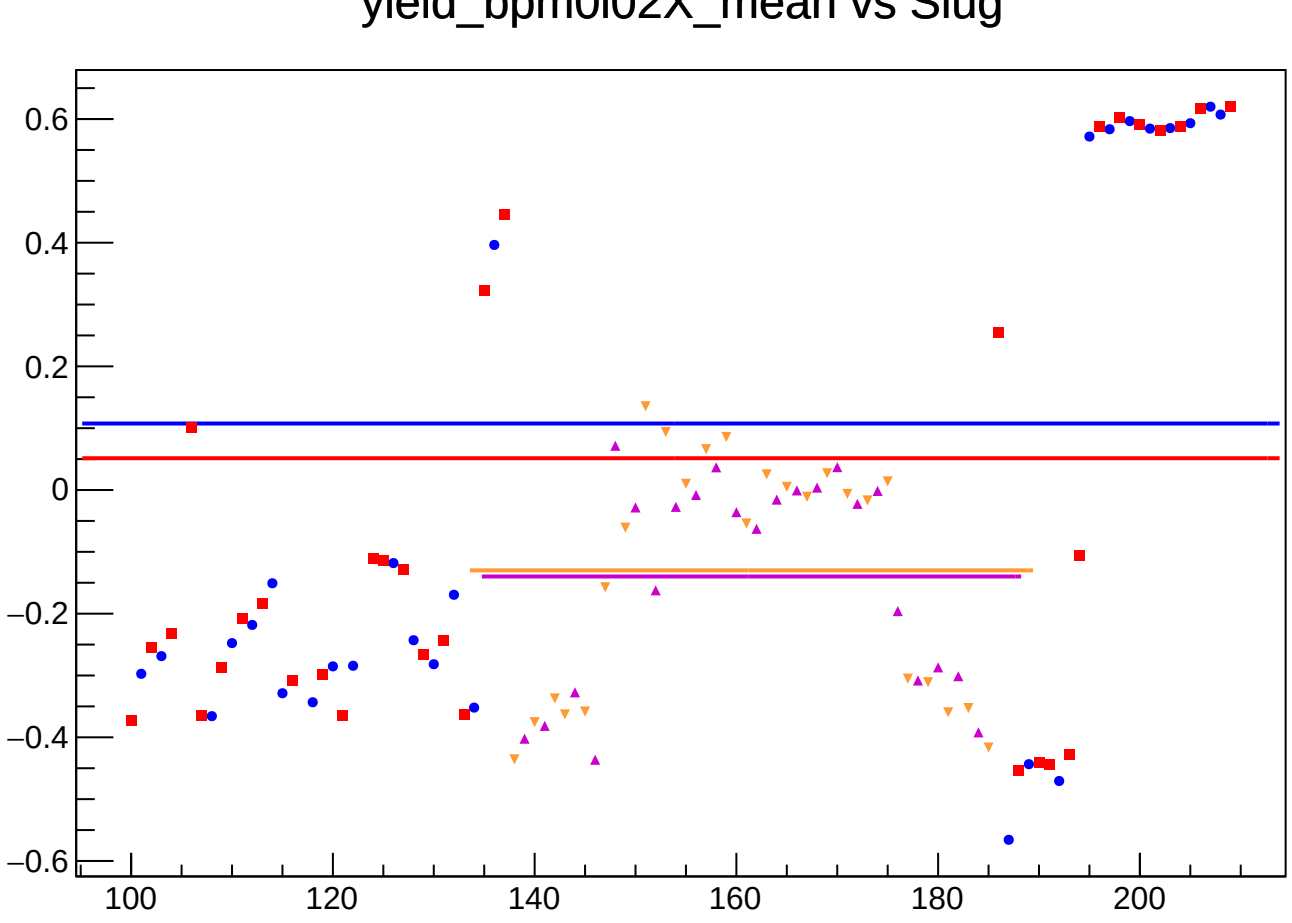
Right Out: 0.005+/-0.000 χ^2/NDF: 1465421.3/31

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1516554.1/51

All: 0.005+/-0.000 χ^2/NDF: 3629929.7/106

- sign 0.005+/-0.000 χ^2/NDF: 2098423.0/54



Right In: 0.108+/-0.000 χ^2/NDF: 65184652037.3/26

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

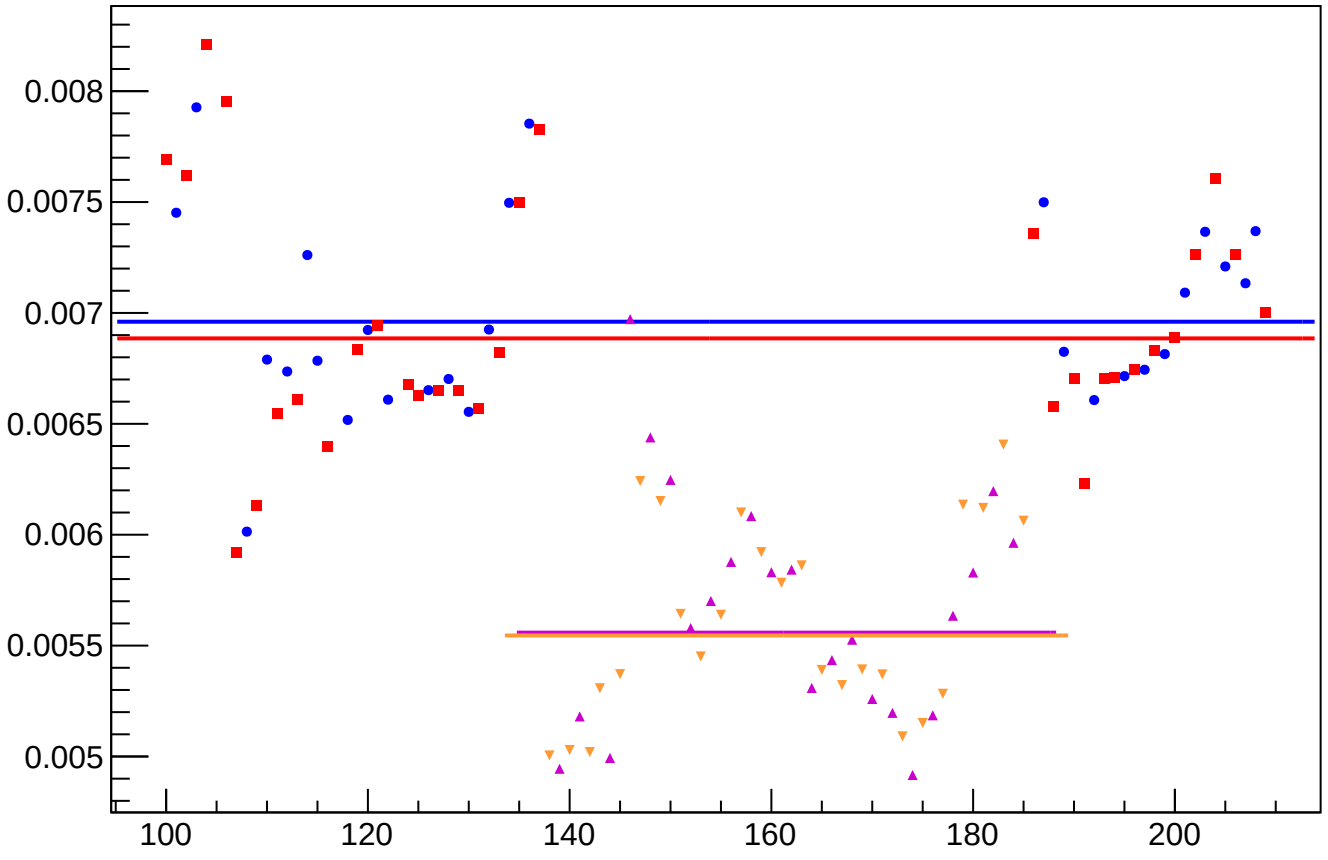
Right Out: 0.051+/-0.000 χ^2/NDF: 65019611827.0/31

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.047+/-0.000 χ^2/NDF: 98440572906.9/51

All: -0.056+/-0.000 χ^2/NDF: 186721600327.8

- sign -0.065+/-0.000 χ^2/NDF: 88123394180.0/54



Right In: 0.007+/-0.000 χ^2/NDF: 112002.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

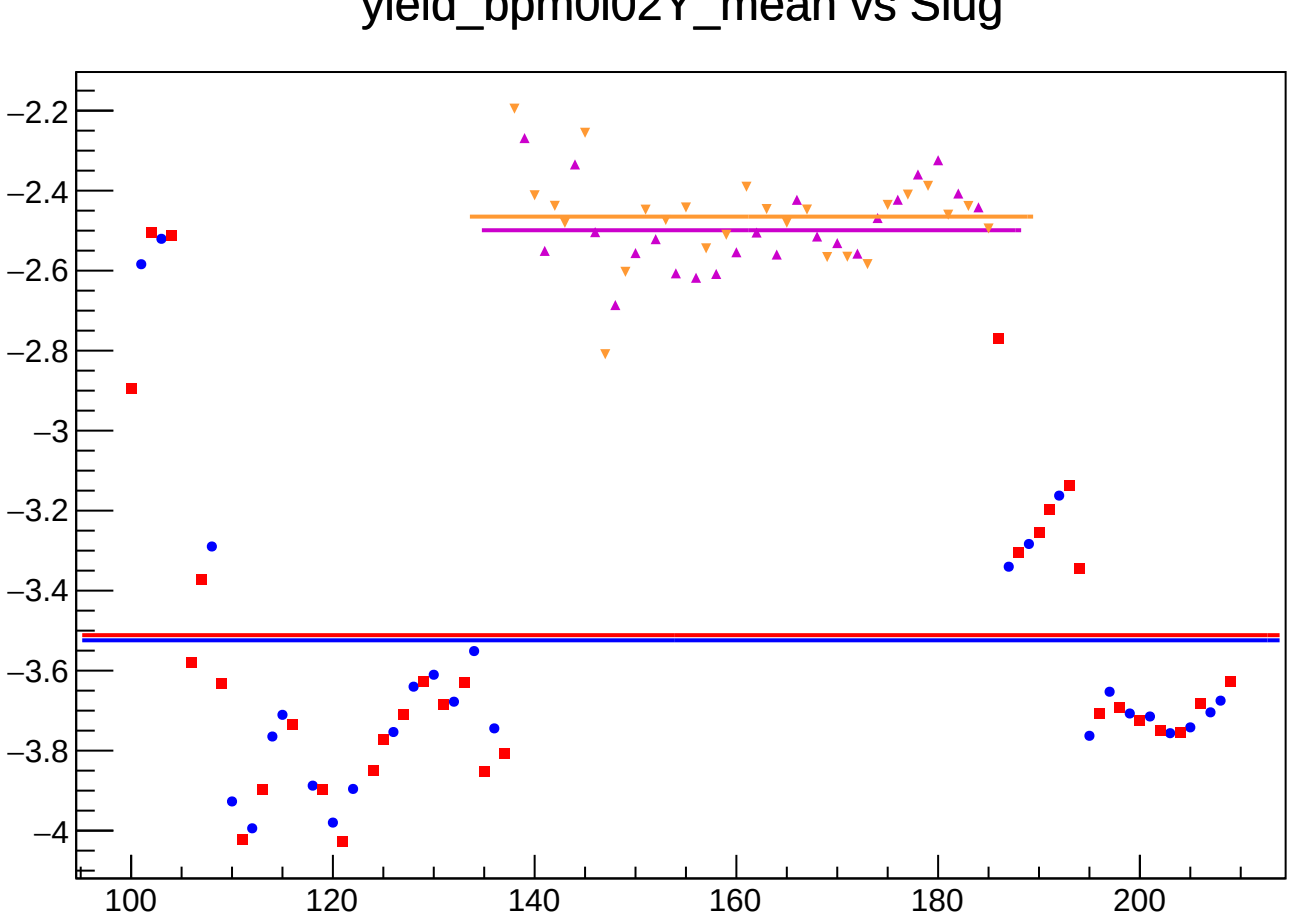
Right Out: 0.007+/-0.000 χ^2/NDF: 142527.6/31

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1148500.0/51

All: 0.006+/-0.000 χ^2/NDF: 2318611.3/106

- sign 0.006+/-0.000 χ^2/NDF: 1169031.4/54



Right In: -3.524+/-0.000 χ^2/NDF: 32809799546.8/26

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.511+/-0.000 χ^2/NDF: 34667111903.5/31

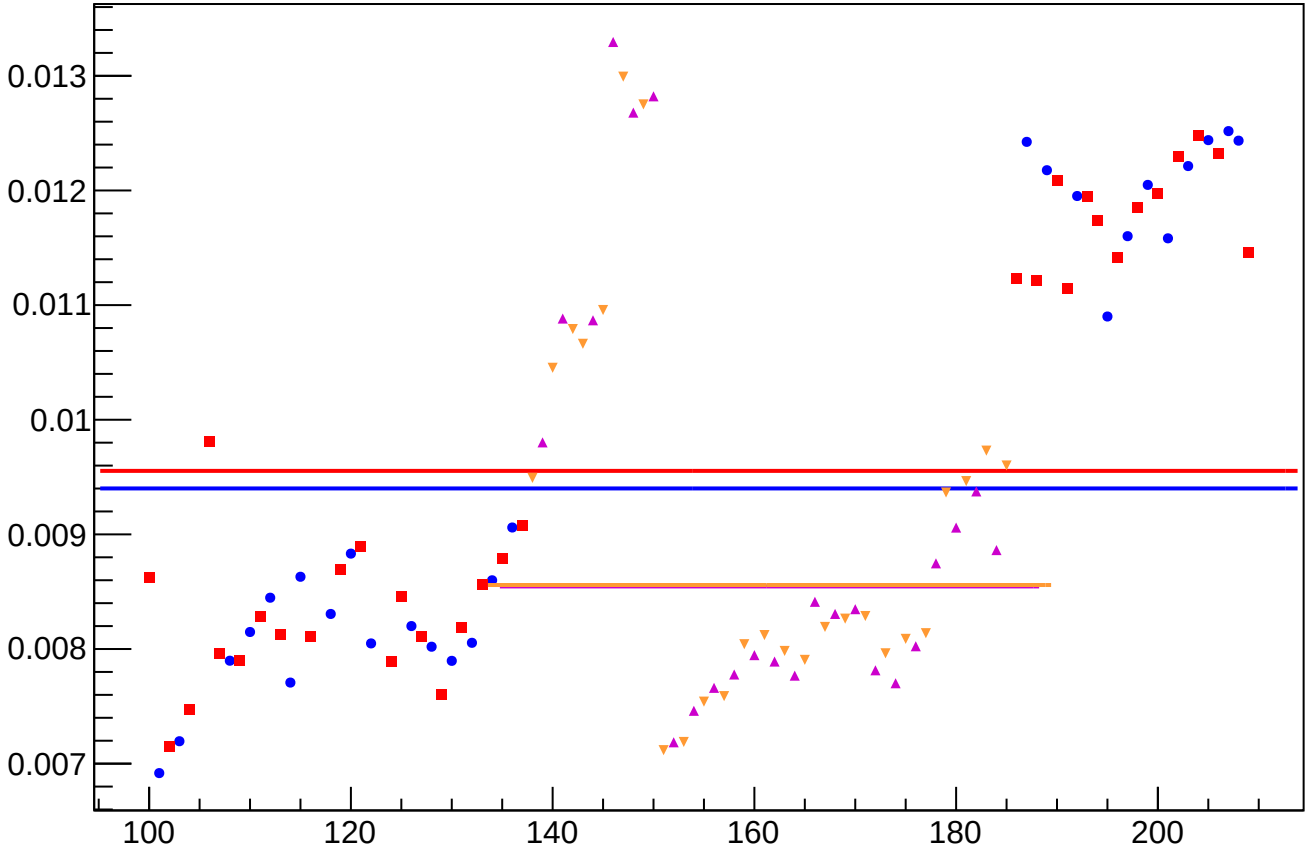
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.894+/-0.000 χ^2/NDF: 147038048418.2/51

All: -2.914+/-0.000 χ^2/NDF: 287644976282.7

- sign -2.935+/-0.000 χ^2/NDF: 140249436822.8/54

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1300956.1/26

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1243582.5/31

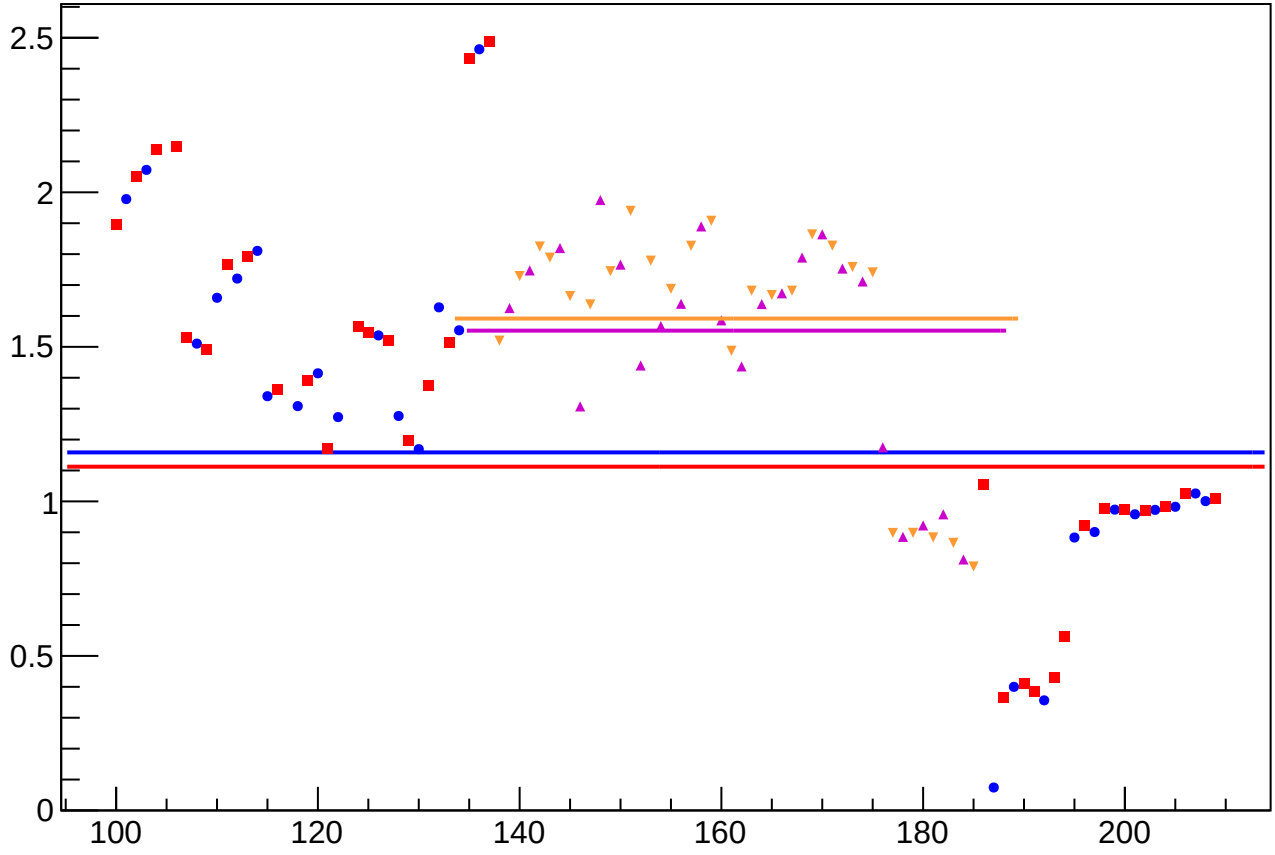
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2266727.6/51

All: 0.009+/-0.000 χ^2/NDF: 4628637.5/106

- sign 0.009+/-0.000 χ^2/NDF: 2359200.4/54

yield_bpm0i02aX_mean vs Slug



Right In: 1.158+/-0.000 χ^2/NDF: 29400380582.3/26

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.112+/-0.000 χ^2/NDF: 34431299542.4/31

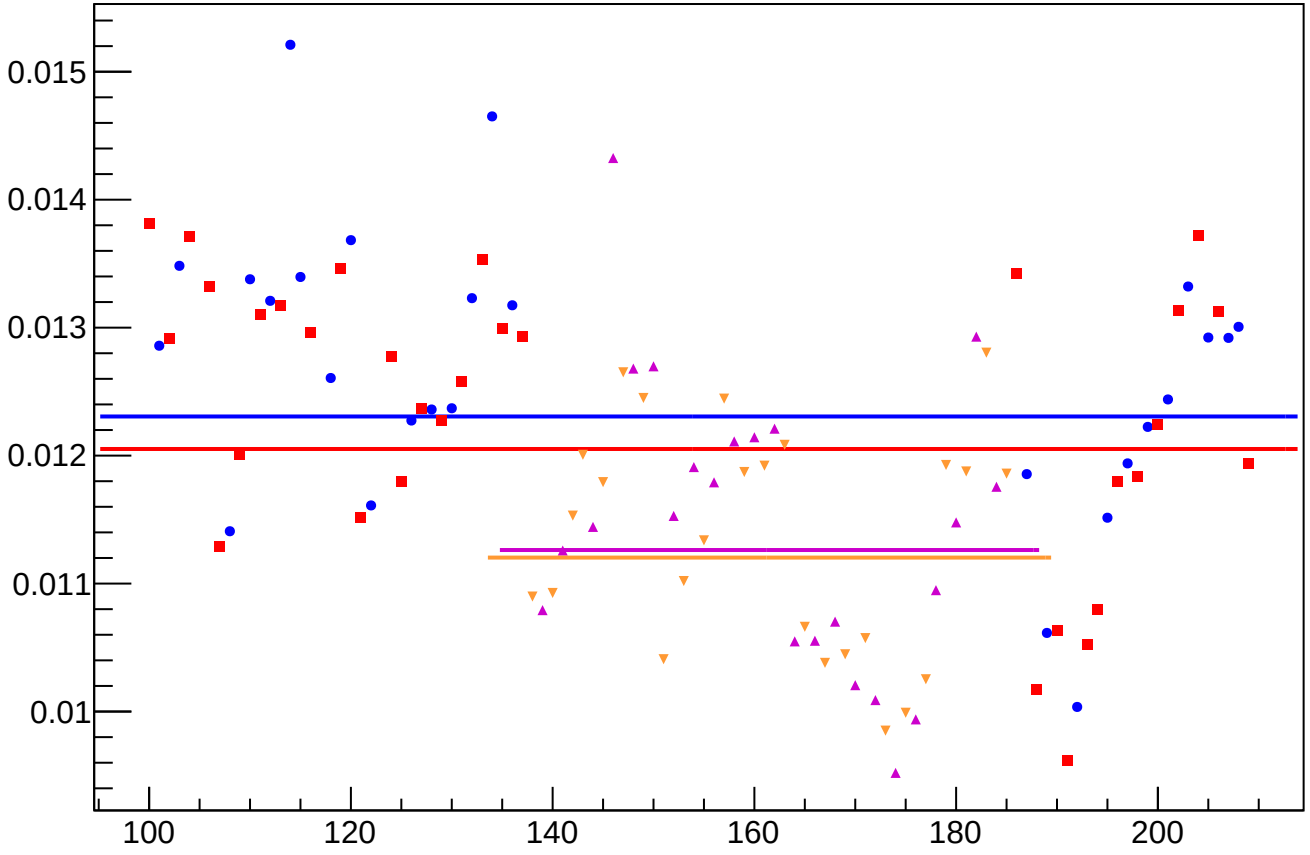
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.415+/-0.000 χ^2/NDF: 57752073578.9/51

All: 1.383+/-0.000 χ^2/NDF: 118841589068.3

- sign 1.351+/-0.000 χ^2/NDF: 60587279548.9/54

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 234129.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

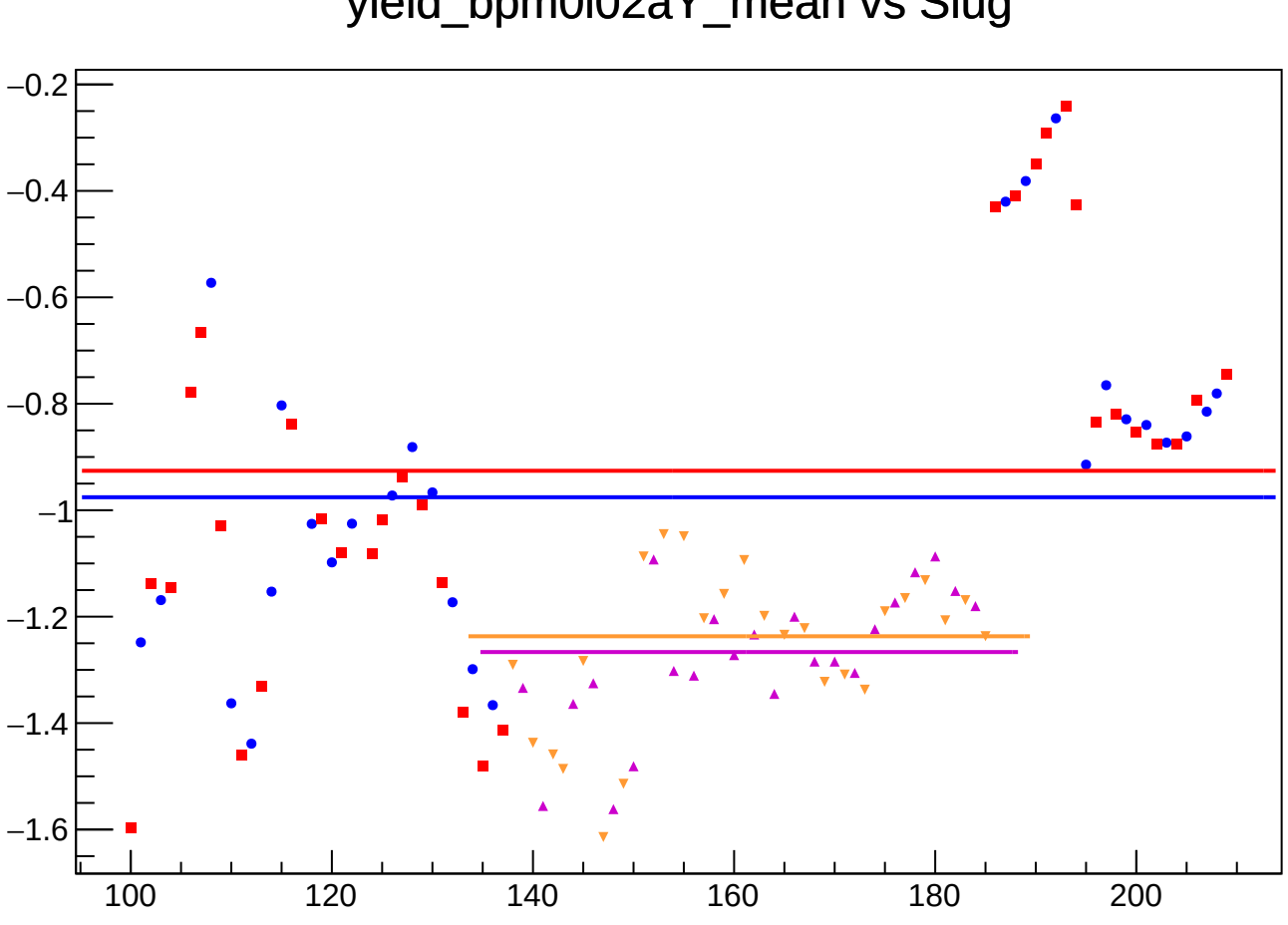
Right Out: 0.012+/-0.000 χ^2/NDF: 303901.9/31

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 603854.4/51

All: 0.012+/-0.000 χ^2/NDF: 1297489.6/106

- sign 0.012+/-0.000 χ^2/NDF: 693401.4/54



Right In: -0.976+/-0.000 χ^2/NDF: 12119060826.4/26

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

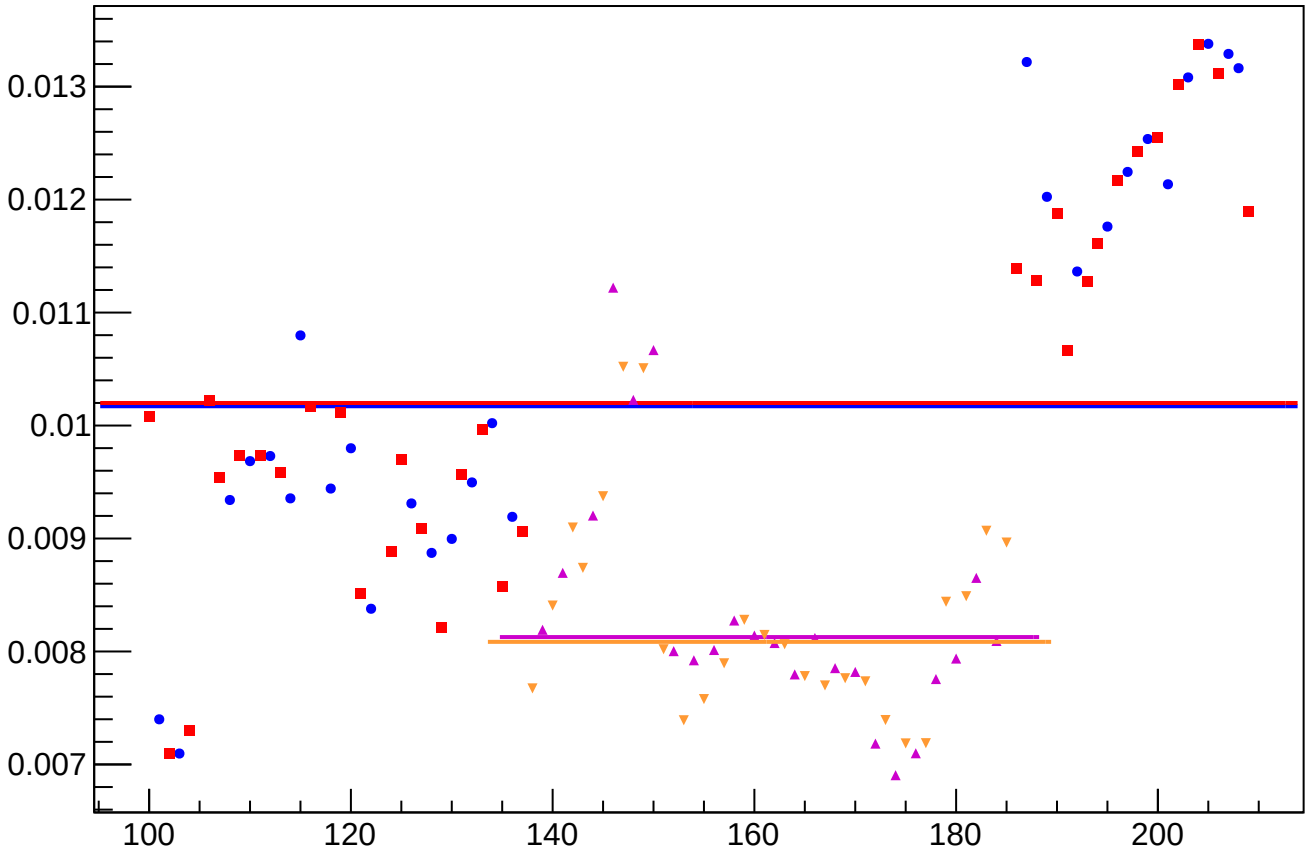
Right Out: -0.926+/-0.000 χ^2/NDF: 16913962523.7/31

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.148+/-0.000 χ^2/NDF: 23514204139.1/51

All: -1.144+/-0.000 χ^2/NDF: 55351501888.5/

- sign -1.139+/-0.000 χ^2/NDF: 31821677038.1/54



Right In: 0.010+/-0.000 χ^2/NDF: 1124616.9/26

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

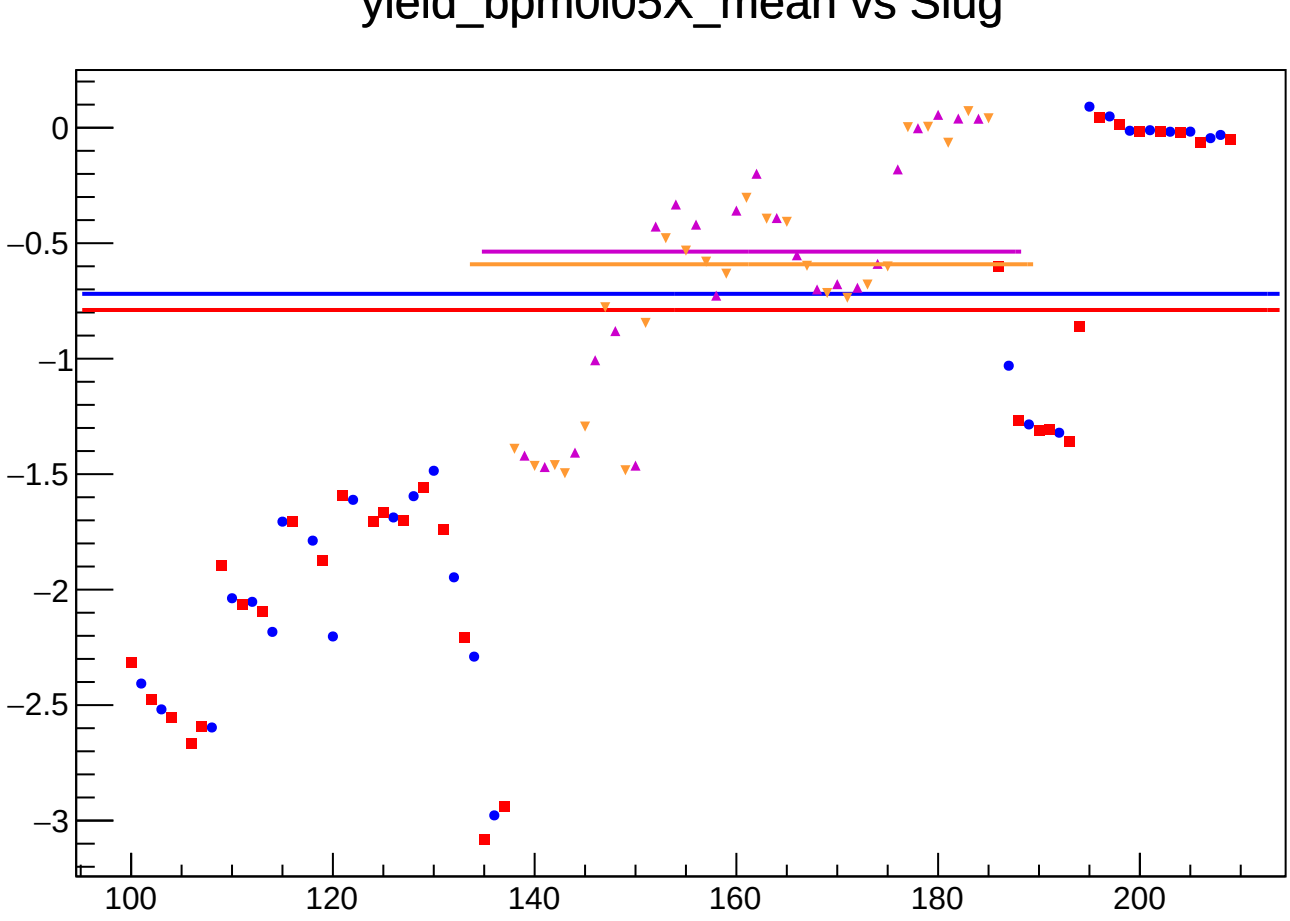
Right Out: 0.010+/-0.000 χ^2/NDF: 1091500.0/31

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 2270024.4/51

All: 0.009+/-0.000 χ^2/NDF: 4606660.9/106

- sign 0.009+/-0.000 χ^2/NDF: 2331919.2/54



Right In: -0.719+/-0.000 χ^2/NDF: 369333867654.3/26

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.789+/-0.000 χ^2/NDF: 394022829946.4/31

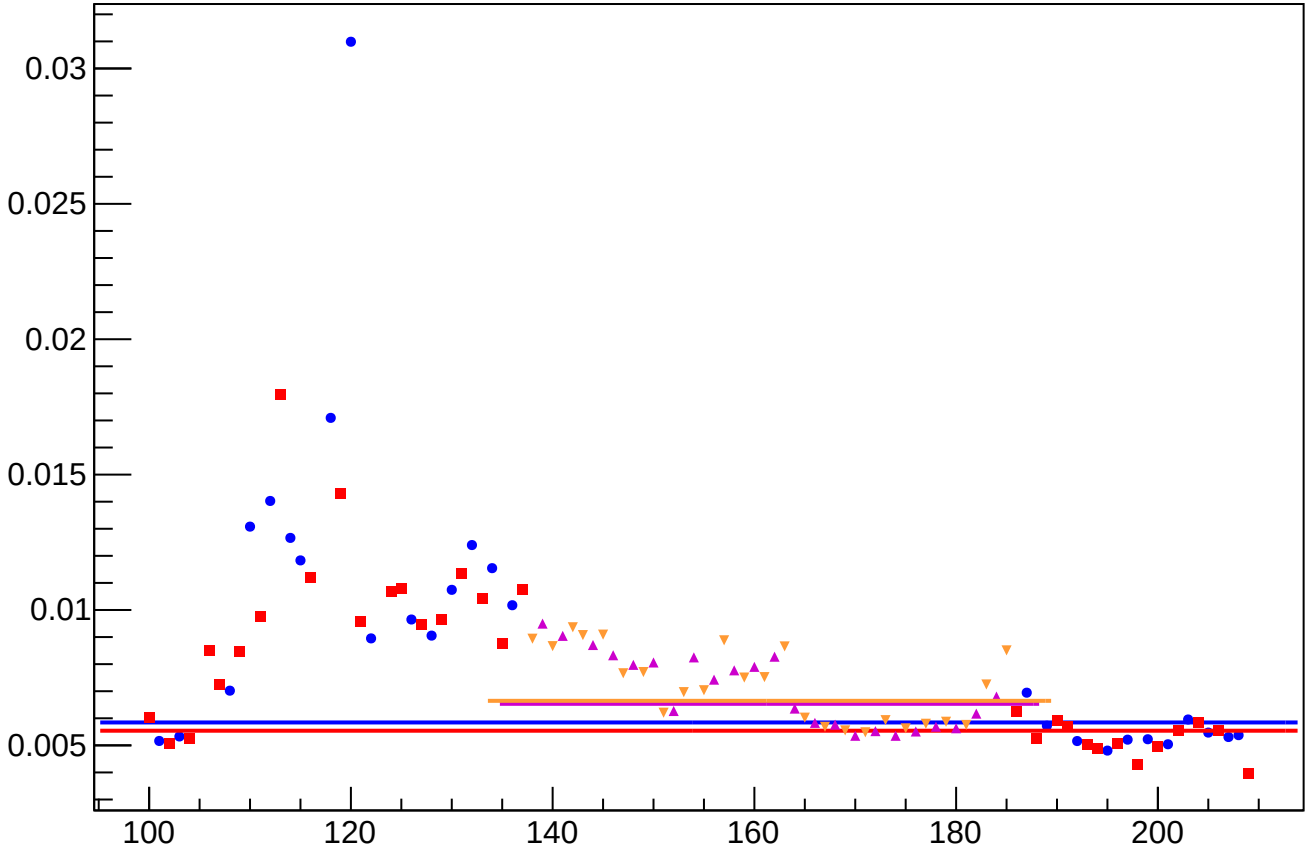
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.655+/-0.000 χ^2/NDF: 445087863536.4/51

All: -0.666+/-0.000 χ^2/NDF: 922541295798.2

- sign -0.676+/-0.000 χ^2/NDF: 477274035567.6/54

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2506939.2/26

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

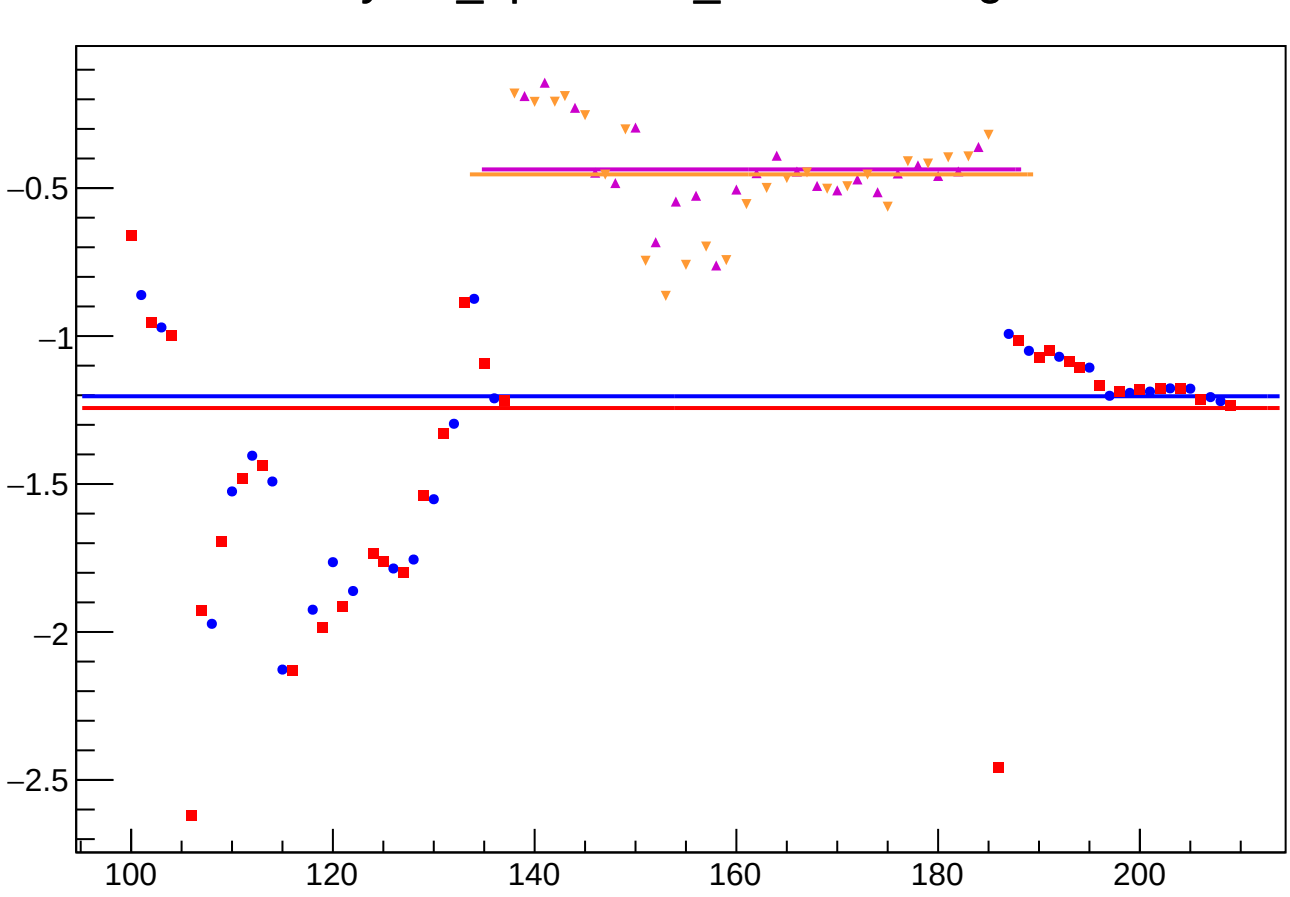
Right Out: 0.006+/-0.000 χ^2/NDF: 2640131.2/31

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3838212.8/51

All: 0.006+/-0.000 χ^2/NDF: 8088490.7/106

- sign 0.006+/-0.000 χ^2/NDF: 4195640.5/54



Right In: -1.203+/-0.000 χ^2/NDF: 27139641887.4/26

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.243+/-0.000 χ^2/NDF: 72212744807.9/31

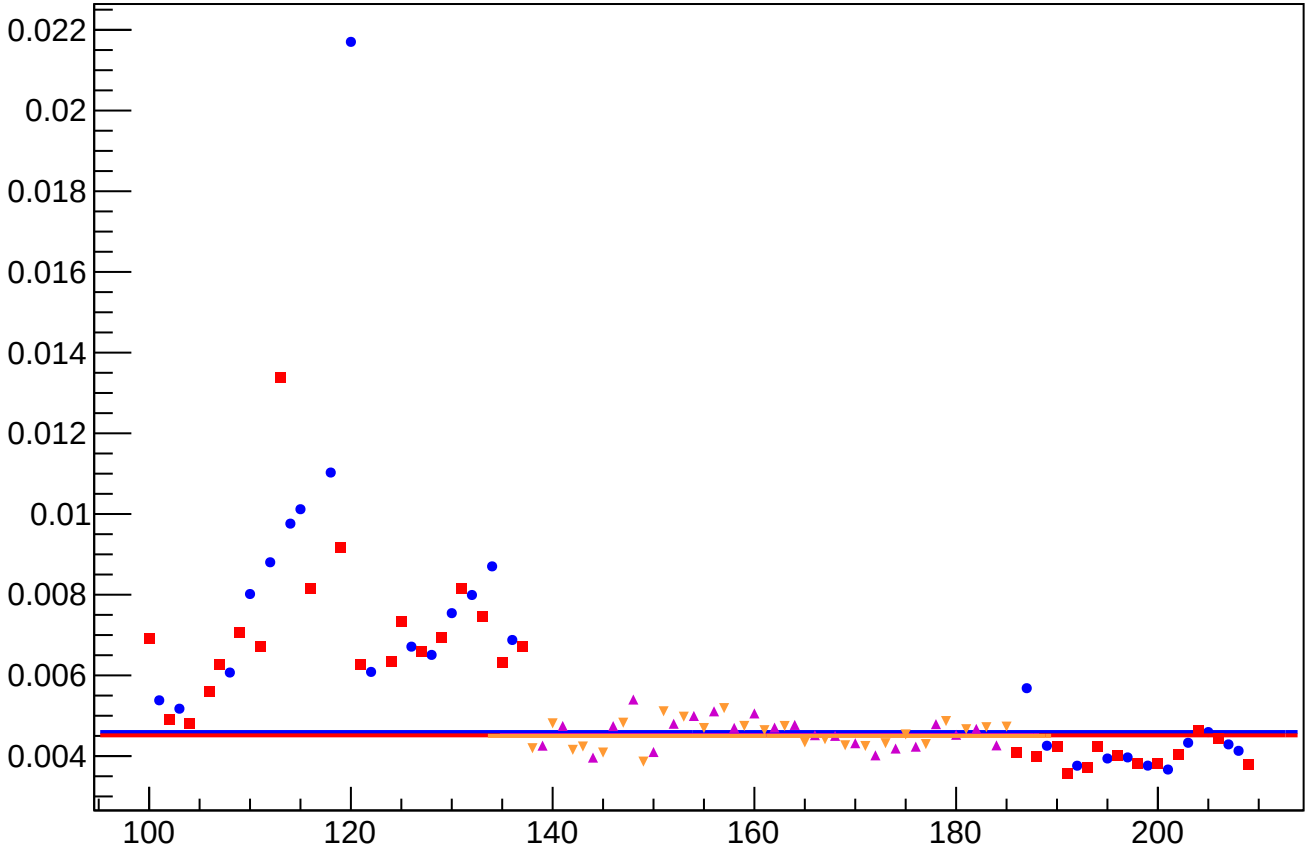
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.762+/-0.000 χ^2/NDF: 257551472428.2/51

All: -0.787+/-0.000 χ^2/NDF: 593960136528.9

- sign -0.811+/-0.000 χ^2/NDF: 334632773024.3/54

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2176783.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

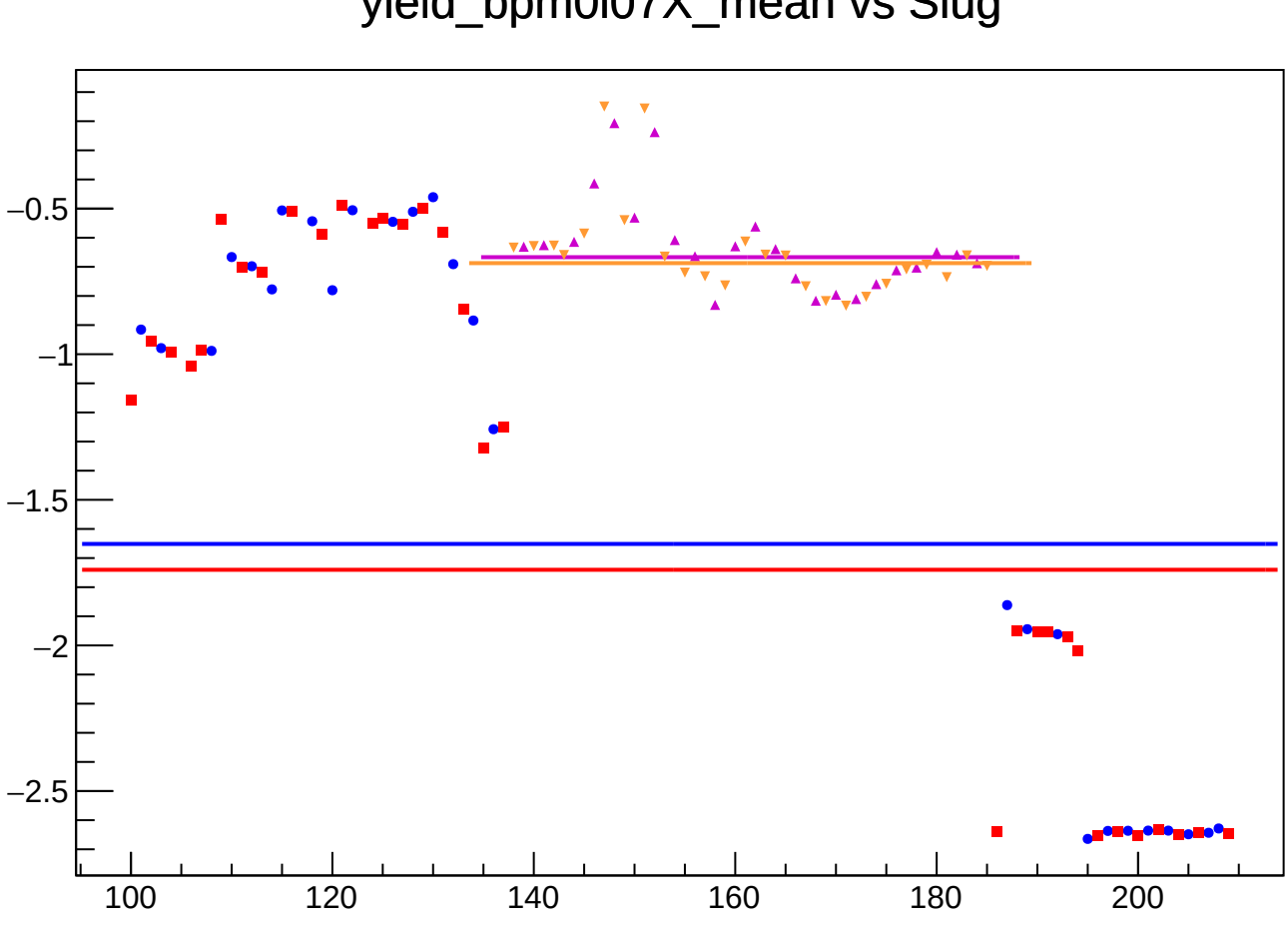
Right Out: 0.005+/-0.000 χ^2/NDF: 1909189.3/31

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2372461.0/51

All: 0.005+/-0.000 χ^2/NDF: 4494506.3/106

- sign 0.005+/-0.000 χ^2/NDF: 2121279.4/54



Right In: -1.651+/-0.000 χ^2/NDF: 255365371214.3/26

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.740+/-0.000 χ^2/NDF: 309006048292.1/31

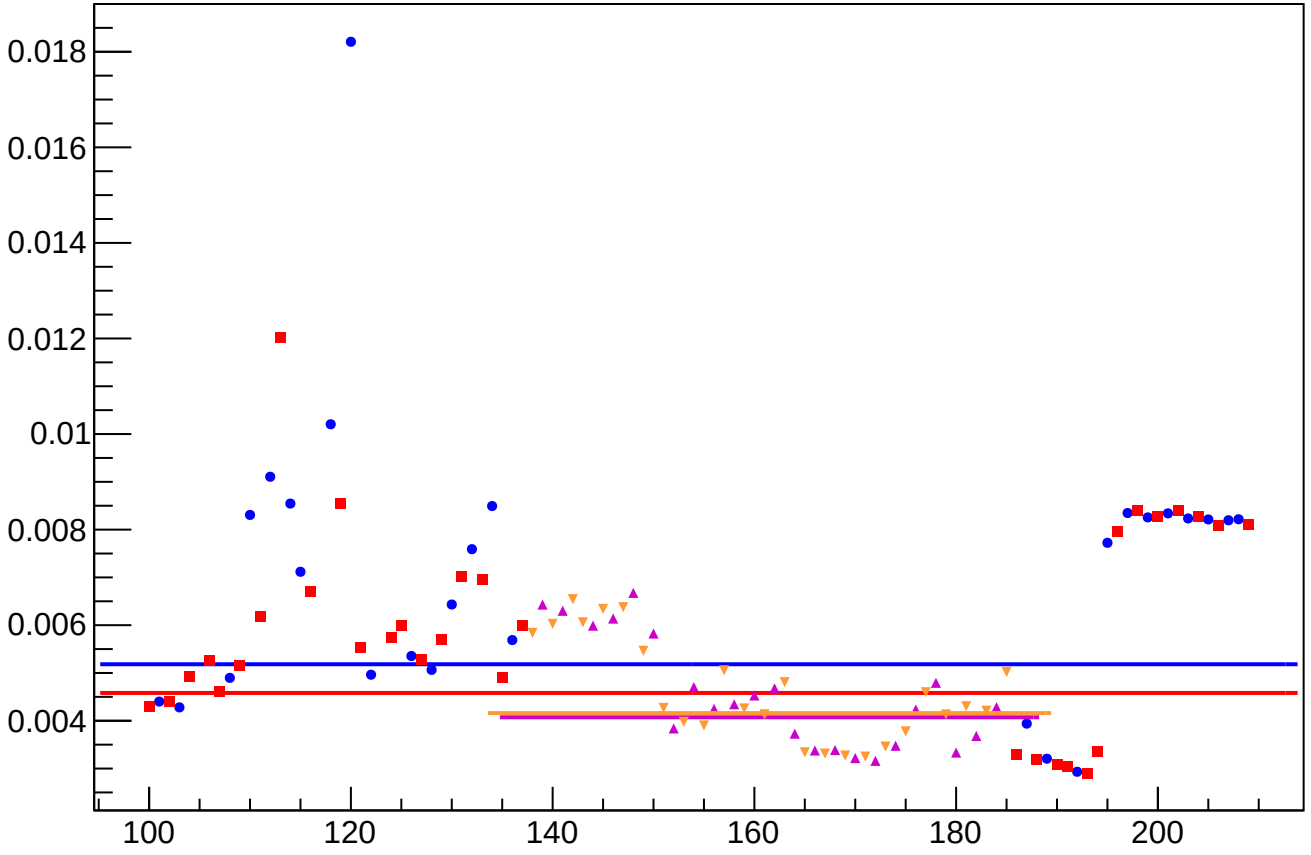
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.998+/-0.000 χ^2/NDF: 566958591069.2/51

All: -1.052+/-0.000 χ^2/NDF: 1348428967030

- sign -1.100+/-0.000 χ^2/NDF: 773708450888.3/54

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 4387663.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

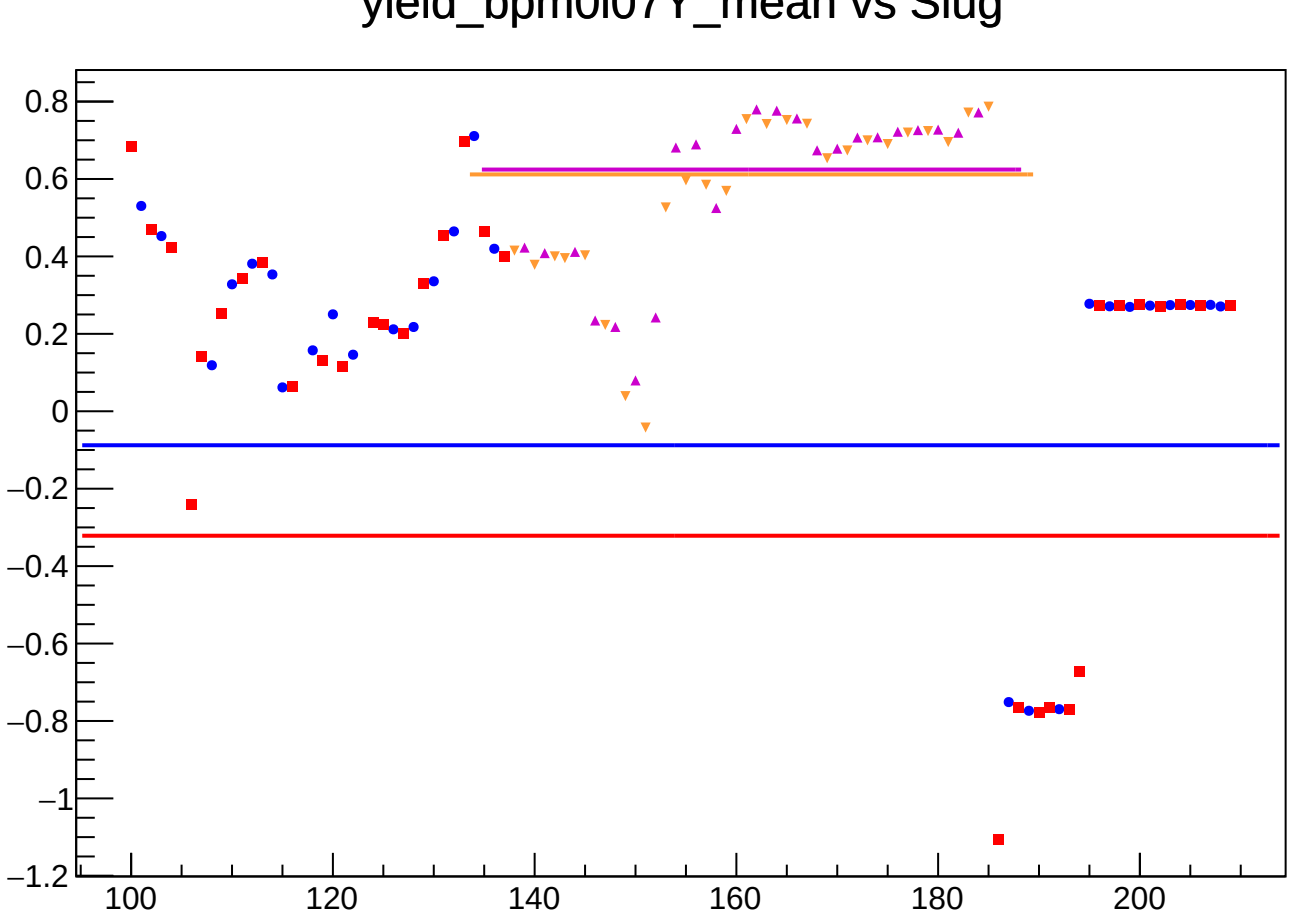
Right Out: 0.005+/-0.000 χ^2/NDF: 4698879.2/31

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 6557445.7/51

All: 0.004+/-0.000 χ^2/NDF: 13273213.4/106

- sign 0.004+/-0.000 χ^2/NDF: 6648273.7/54



Right In: -0.088+/-0.000 χ^2/NDF: 313109089464.7/26

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.321+/-0.000 χ^2/NDF: 499993337447.6/31

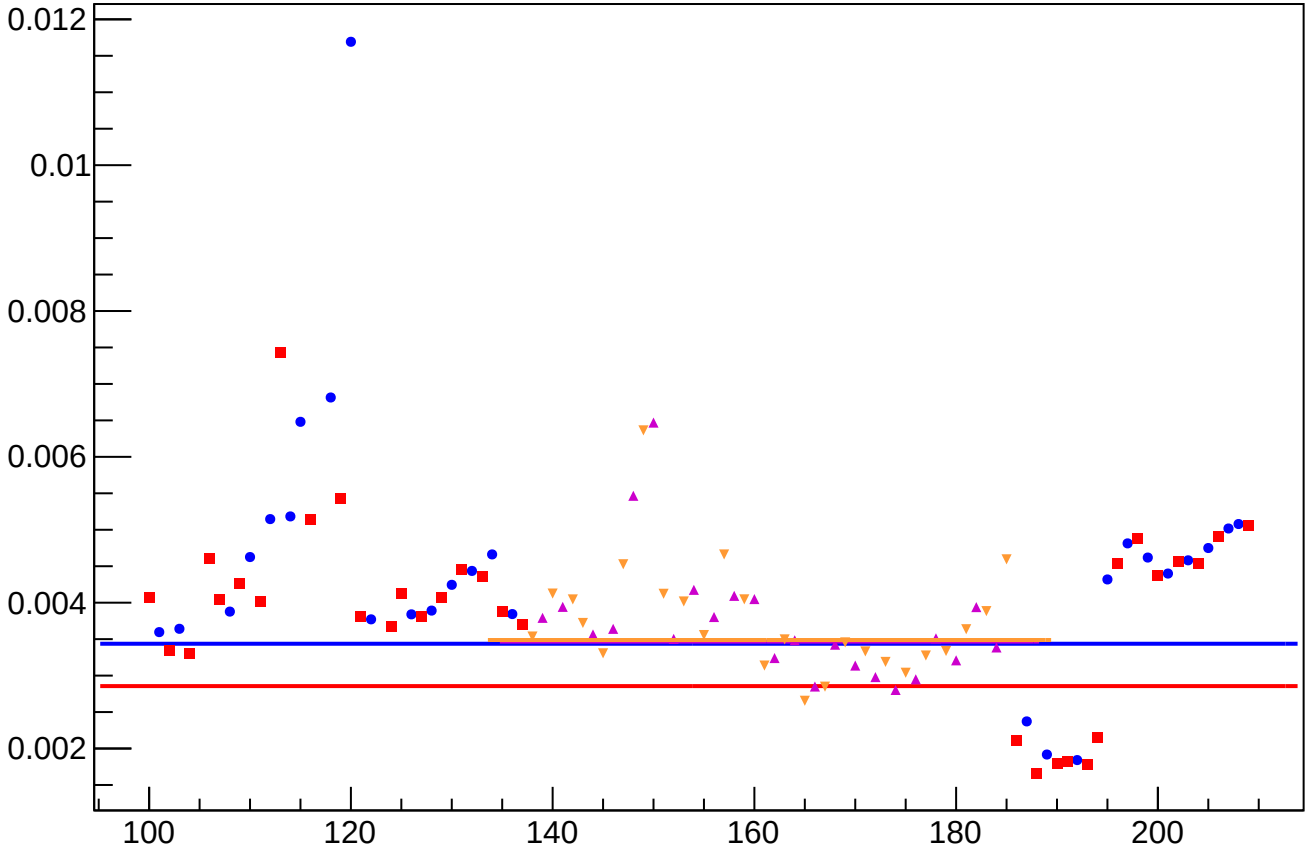
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.296+/-0.000 χ^2/NDF: 650528217144.2/51

All: 0.184+/-0.000 χ^2/NDF: 1883963285486.

- sign 0.092+/-0.000 χ^2/NDF: 1178700105383.0/54

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3748715.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

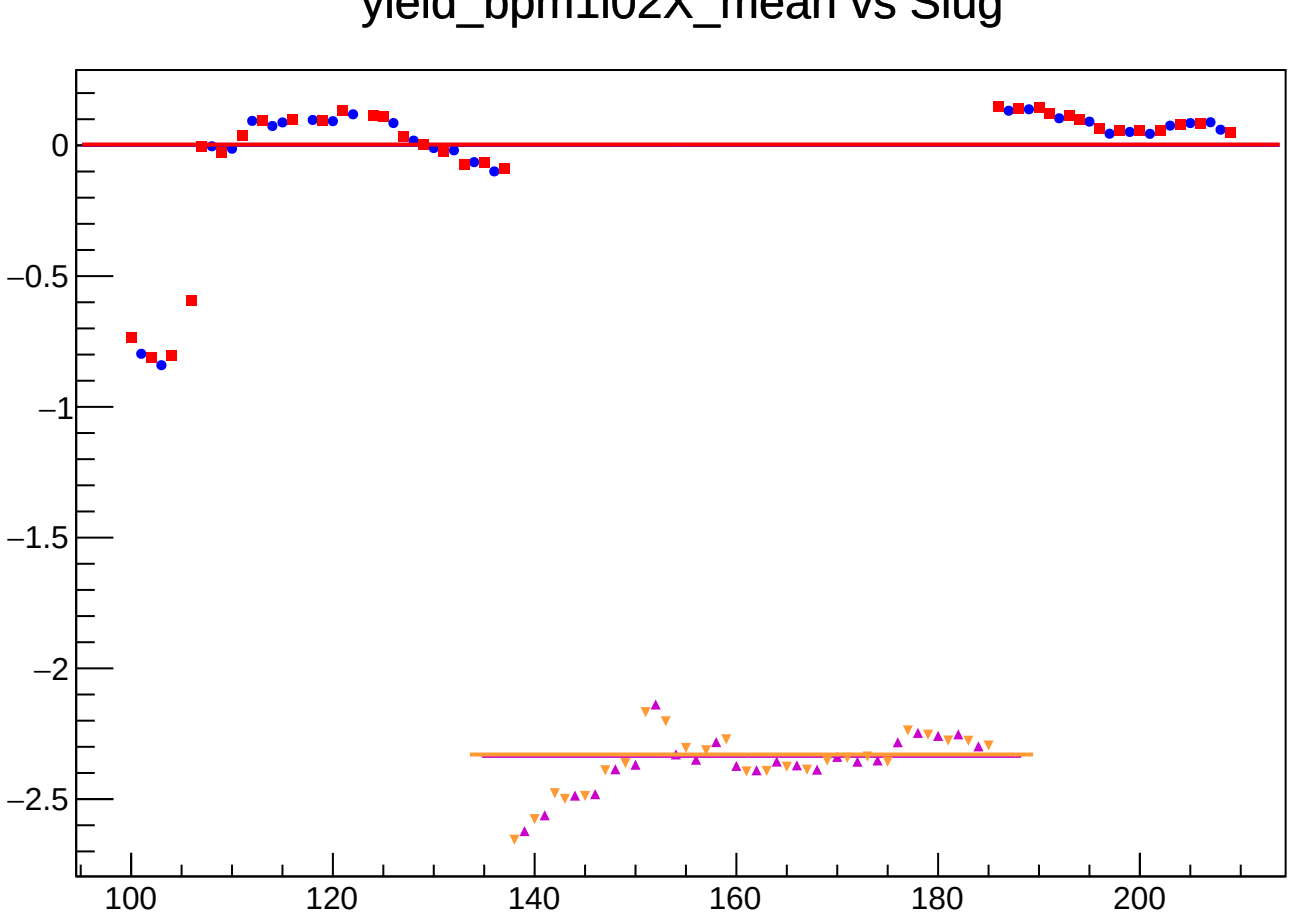
Right Out: 0.003+/-0.000 χ^2/NDF: 5223574.6/31

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 4602580.8/51

All: 0.003+/-0.000 χ^2/NDF: 11560523.3/106

- sign 0.003+/-0.000 χ^2/NDF: 6650144.2/54



Right In: 0.002+/-0.000 χ^2/NDF: 6547293841.9/26

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7812501045.6/31

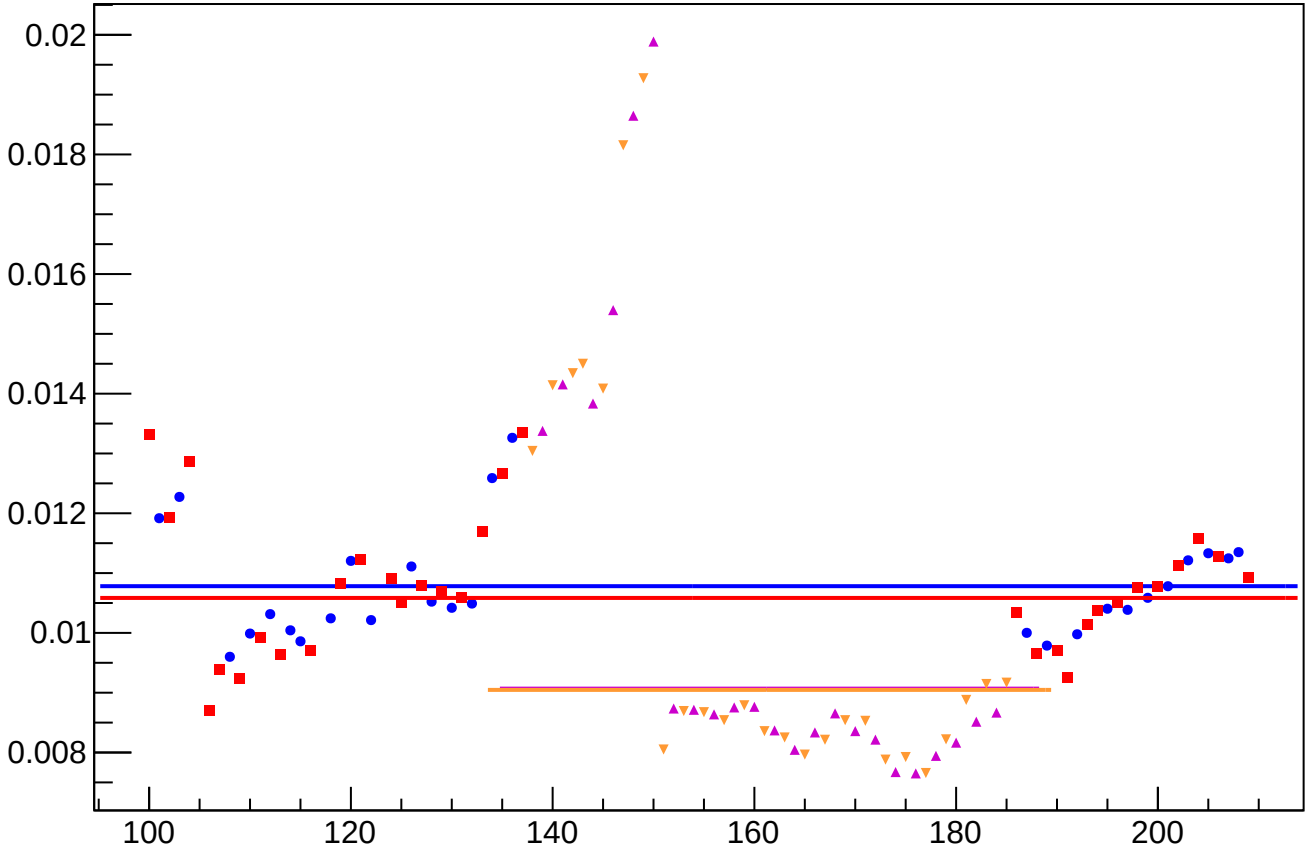
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.450+/-0.000 χ^2/NDF: 463967757356.2/51

All: -1.399+/-0.000 χ^2/NDF: 956613368409.9

- sign -1.348+/-0.000 χ^2/NDF: 490772793252.6/54

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 184031.0/26

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

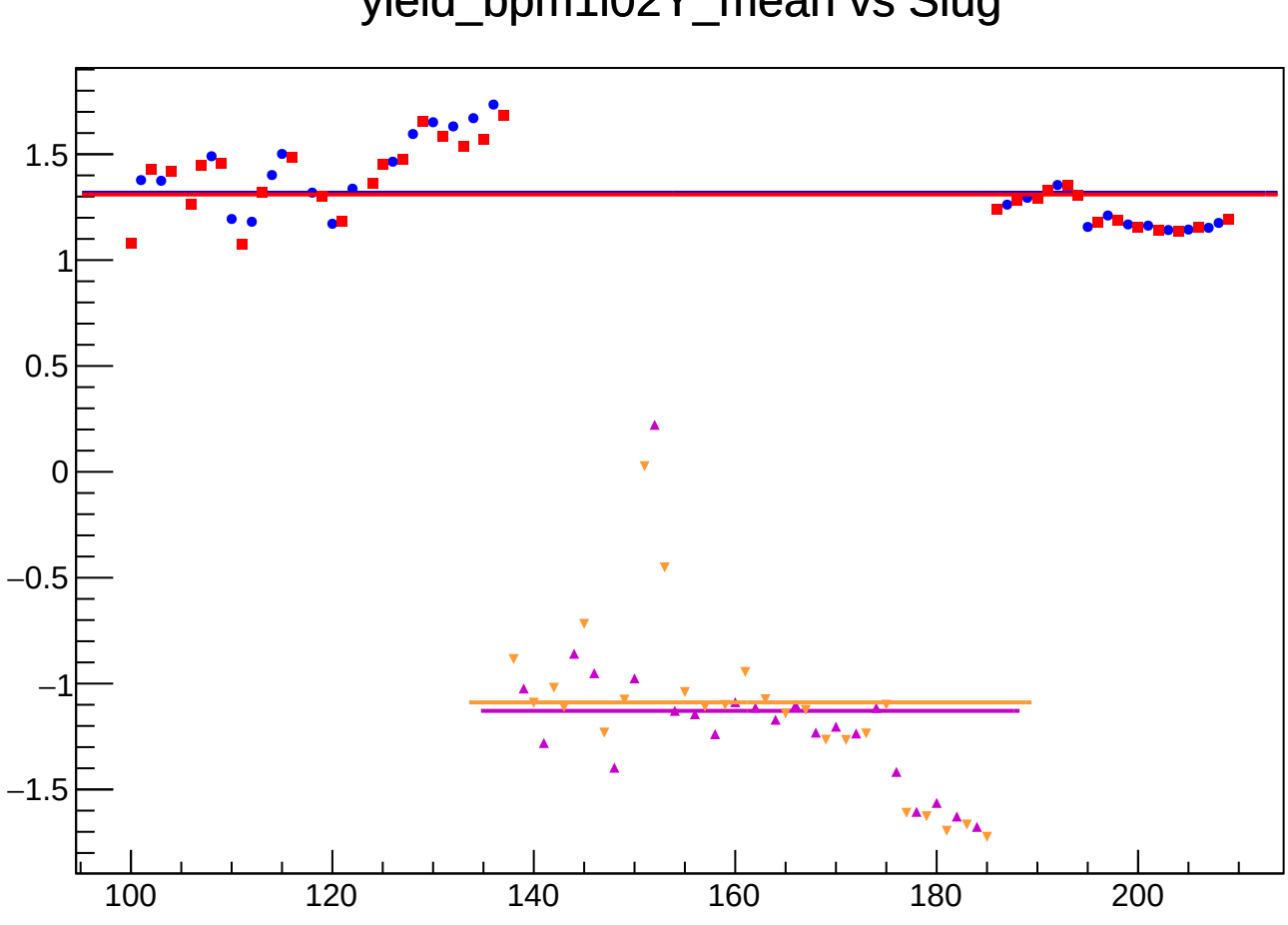
Right Out: 0.011+/-0.000 χ^2/NDF: 255855.8/31

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2736801.1/51

All: 0.010+/-0.000 χ^2/NDF: 5531937.4/106

- sign 0.010+/-0.000 χ^2/NDF: 2795118.0/54



Right In: 1.318+/-0.000 χ^2/NDF: 8397171100.4/26

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.310+/-0.000 χ^2/NDF: 6505044137.8/31

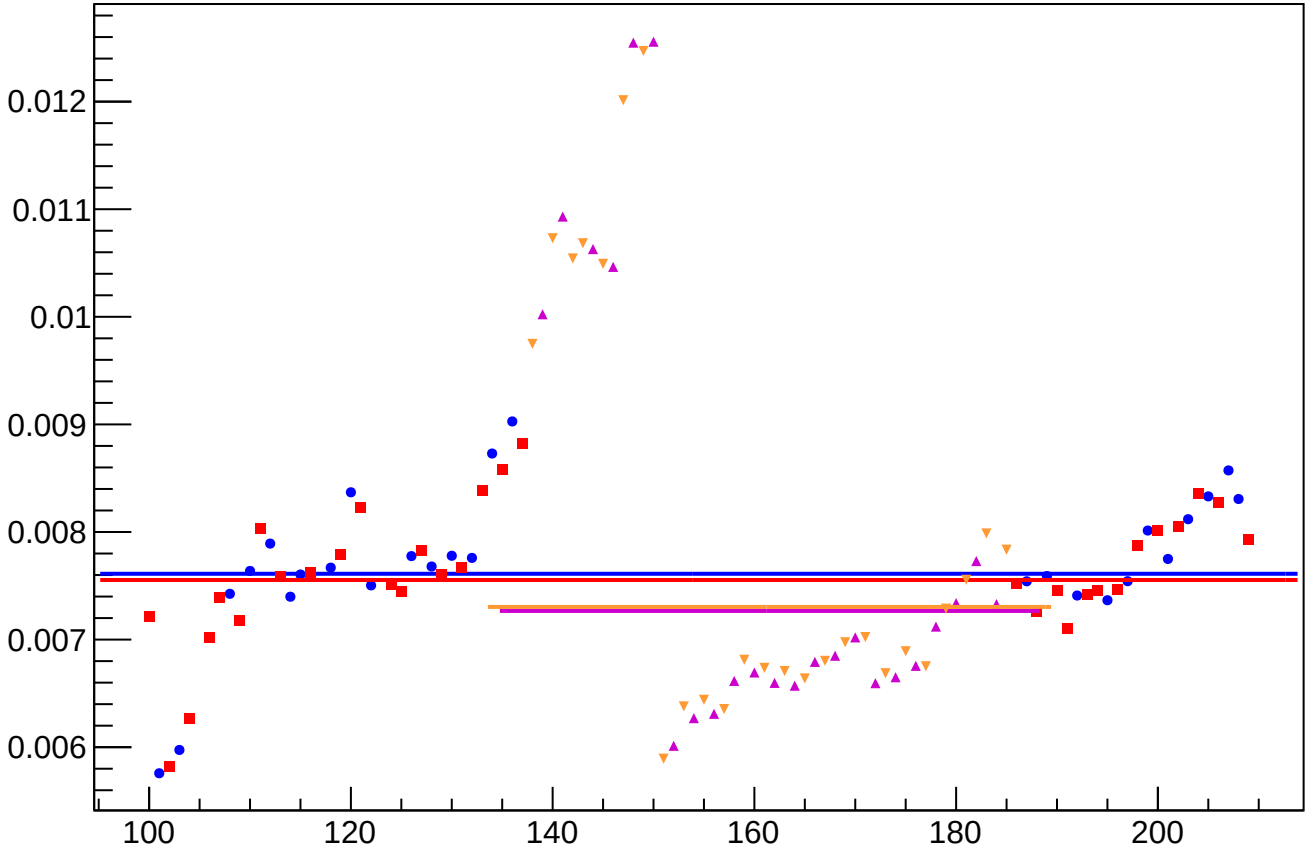
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.038+/-0.000 χ^2/NDF: 945846604699.5/51

All: -0.004+/-0.000 χ^2/NDF: 1946975741752

- sign 0.029+/-0.000 χ^2/NDF: 999728781899.0/54

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 351083.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

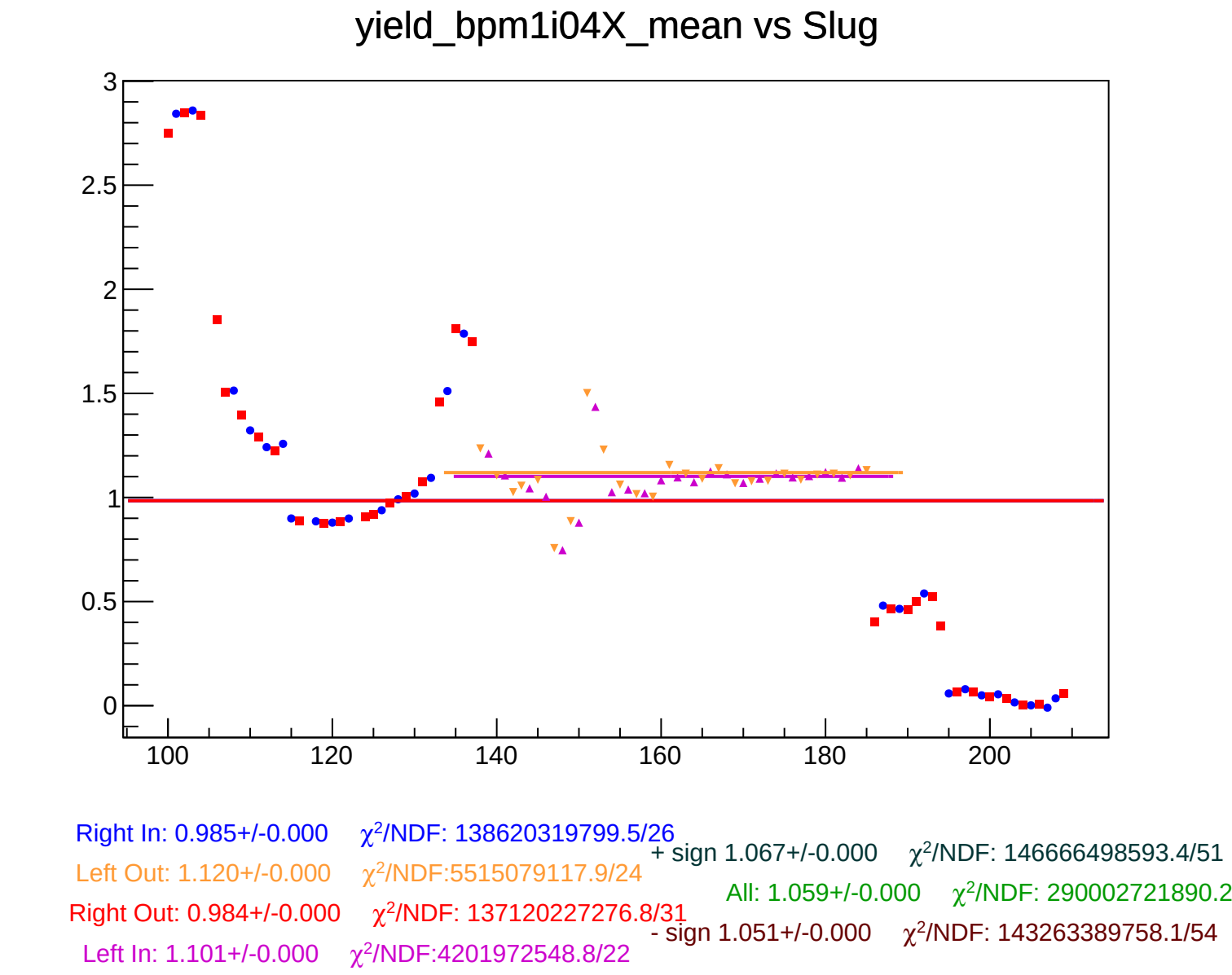
Right Out: 0.008+/-0.000 χ^2/NDF: 264726.4/31

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

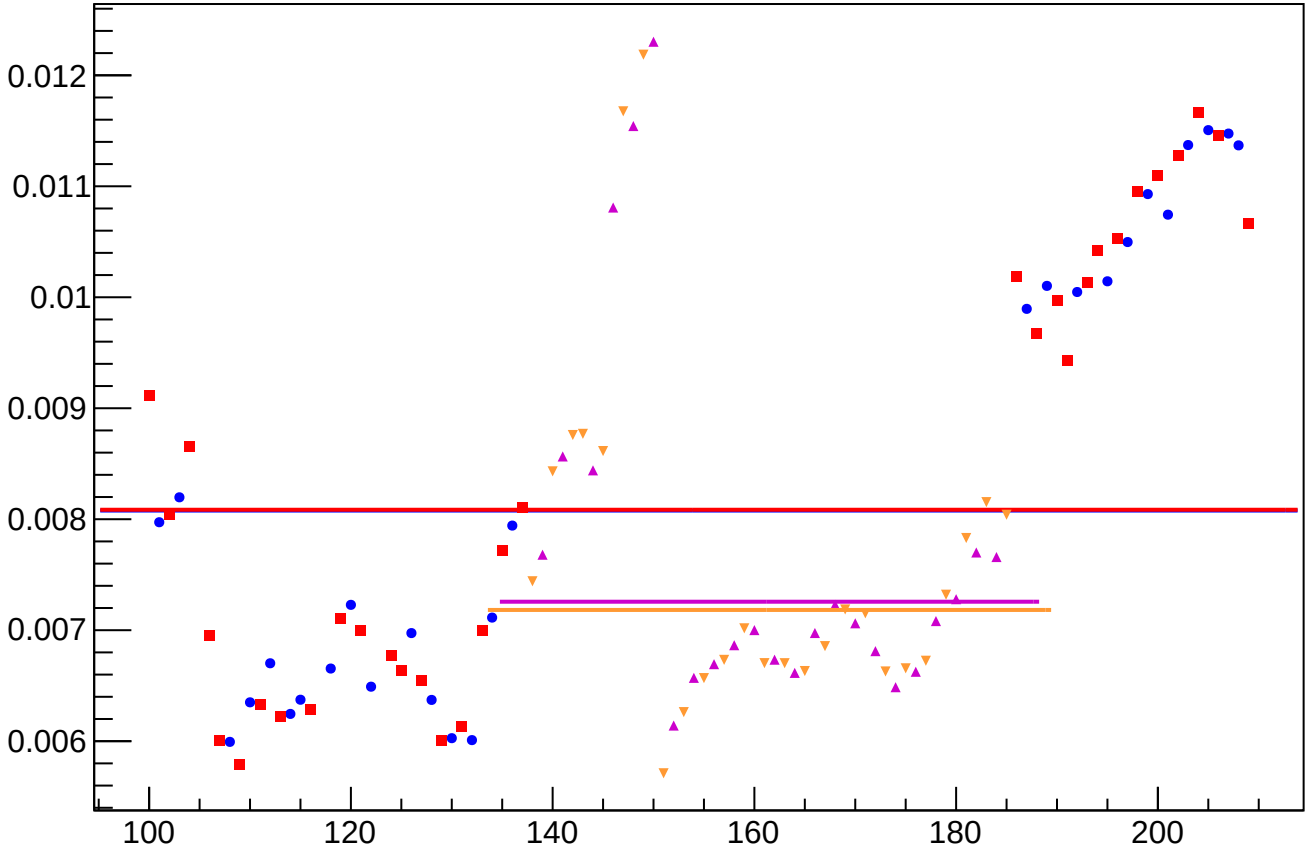
+ sign 0.007+/-0.000 χ^2/NDF: 1883910.6/51

All: 0.007+/-0.000 χ^2/NDF: 3735511.7/106

- sign 0.007+/-0.000 χ^2/NDF: 1850830.5/54


yield_bpm1i04X_mean vs Slug
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.985+/-0.000 χ²/NDF: 138620319799.5/26
Left Out: 1.120+/-0.000 χ²/NDF:5515079117.9/24
Right Out: 0.984+/-0.000 χ²/NDF: 137120227276.8/31
Left In: 1.101+/-0.000 χ²/NDF:4201972548.8/22
+ sign 1.067+/-0.000 χ²/NDF: 146666498593.4/51
All: 1.059+/-0.000 χ²/NDF: 290002721890.2
- sign 1.051+/-0.000 χ²/NDF: 143263389758.1/54

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1779131.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1972527.4/31

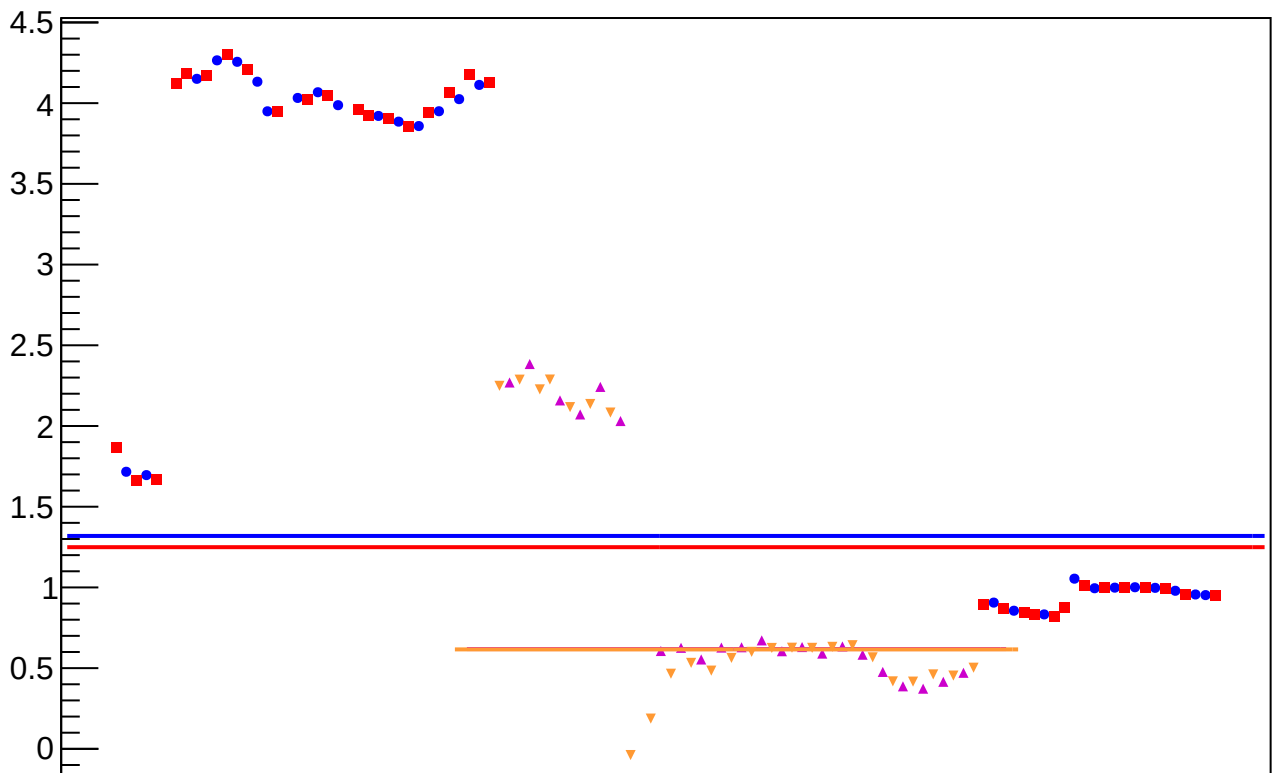
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 2896143.3/51

All: 0.008+/-0.000 χ^2/NDF: 5984270.6/106

- sign 0.008+/-0.000 χ^2/NDF: 3084393.5/54

yield_bpm1i04Y_mean vs Slug



Right In: 1.319+/-0.000 χ^2/NDF: 1587423913028.2/26

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.249+/-0.000 χ^2/NDF: 1768963928218.9/31

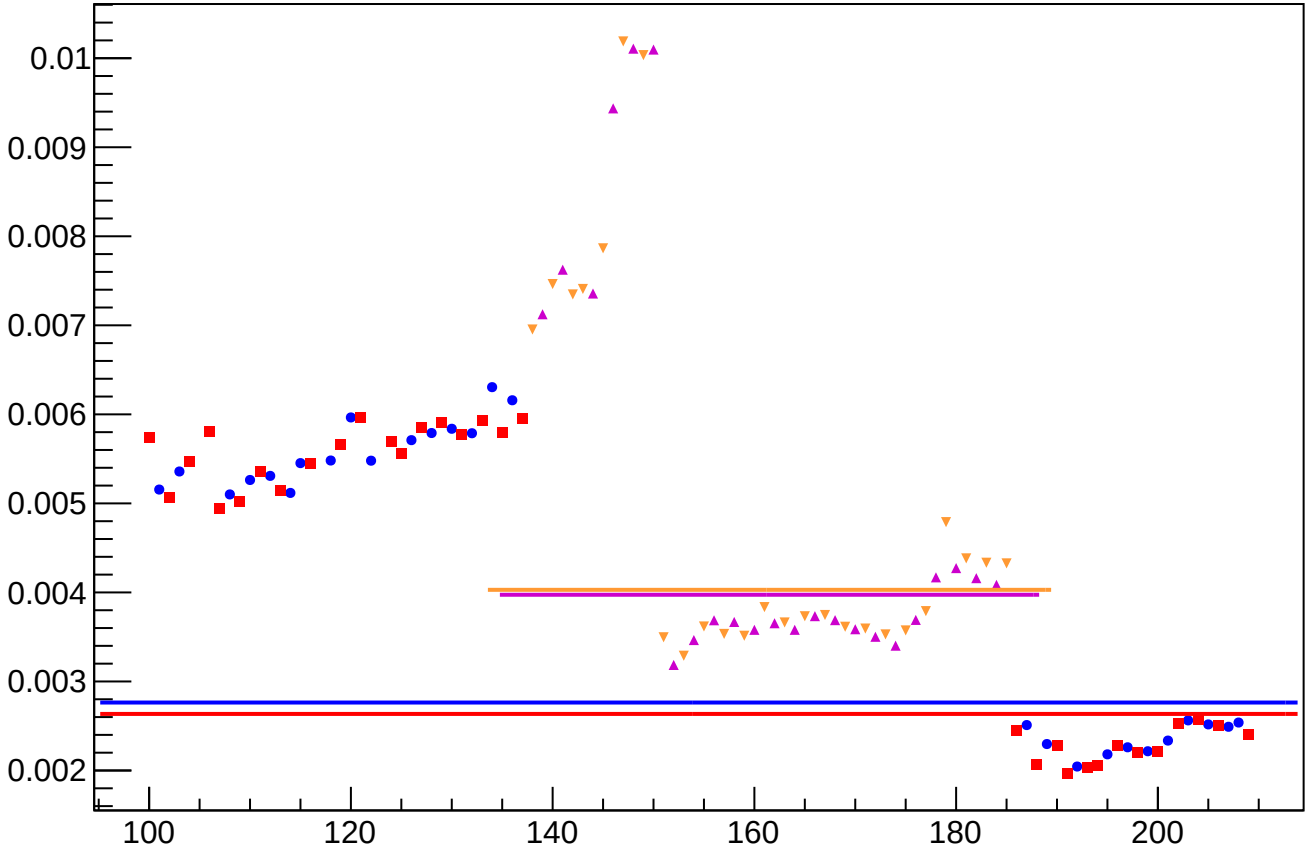
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.049+/-0.000 χ^2/NDF: 2160886766215.2/51

All: 1.043+/-0.000 χ^2/NDF: 4456287885390.

- sign 1.038+/-0.000 χ^2/NDF: 2295221619833.6/54

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4367214.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4694272.2/31

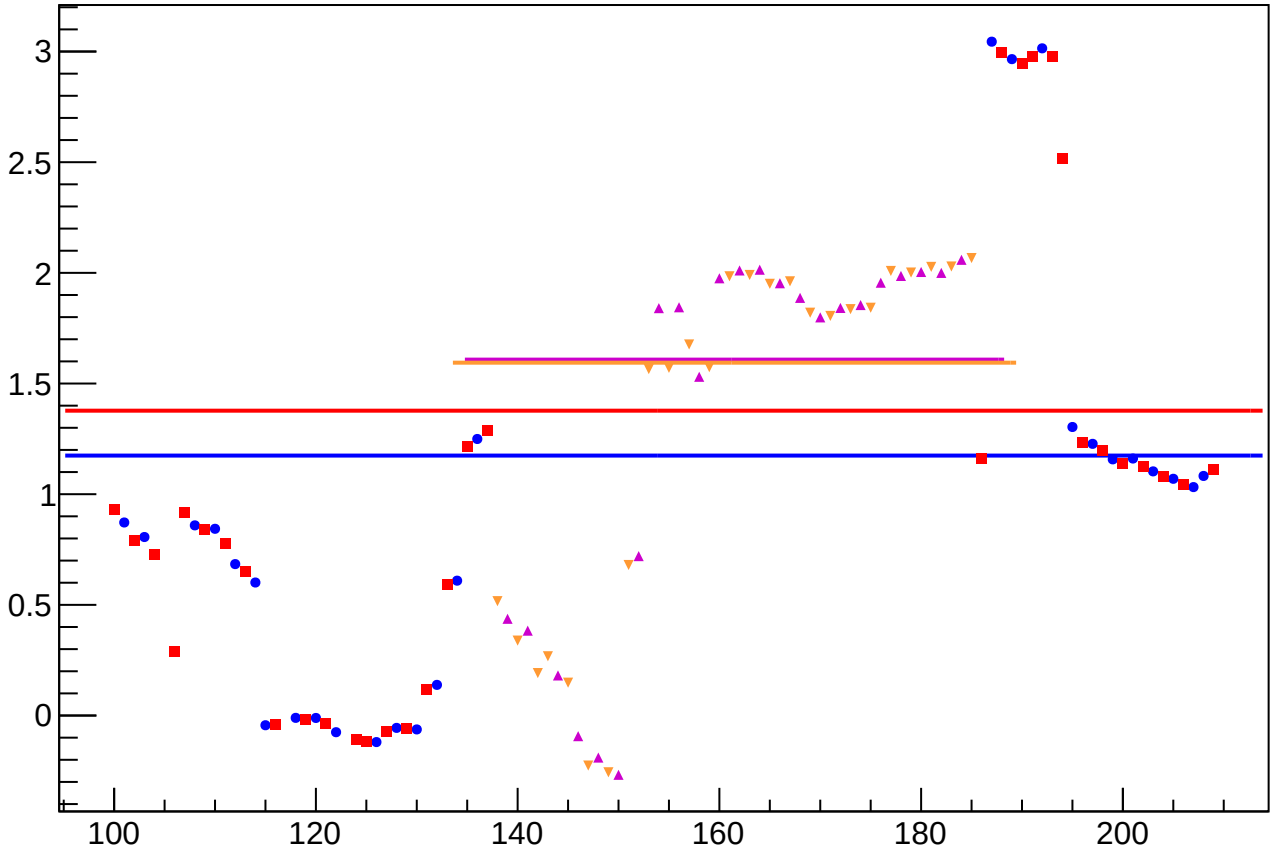
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9417740.0/51

All: 0.003+/-0.000 χ^2/NDF: 19760926.8/106

- sign 0.003+/-0.000 χ^2/NDF: 10263605.3/54

yield_bpm1i06X_mean vs Slug



Right In: 1.174+/-0.000 χ^2/NDF: 77753893123.6/26

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.377+/-0.000 χ^2/NDF: 106069868358.4/31

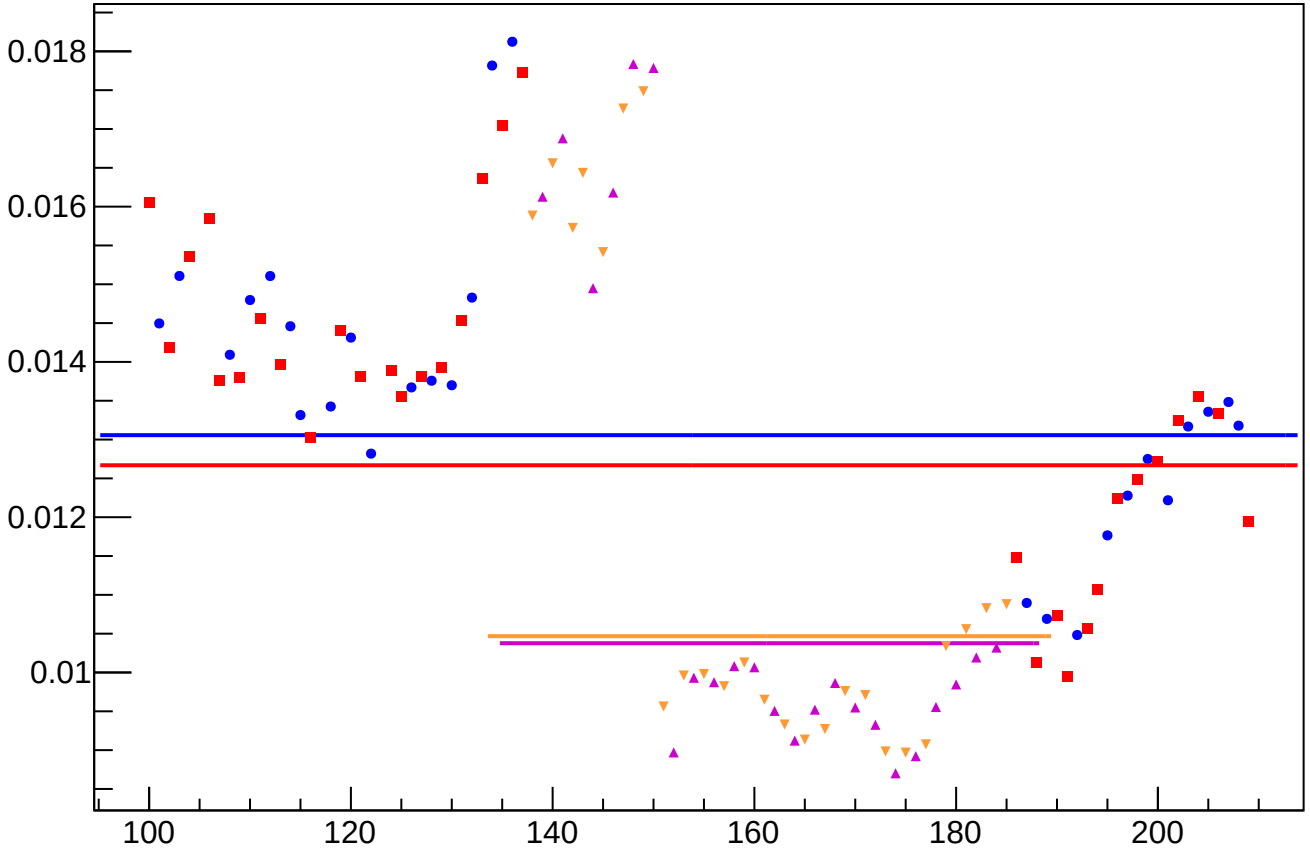
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.447+/-0.000 χ^2/NDF: 150707484763.6/51

All: 1.483+/-0.000 χ^2/NDF: 327189813413.7

- sign 1.517+/-0.000 χ^2/NDF: 175833763892.6/54

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 505157.5/26

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 612245.0/31

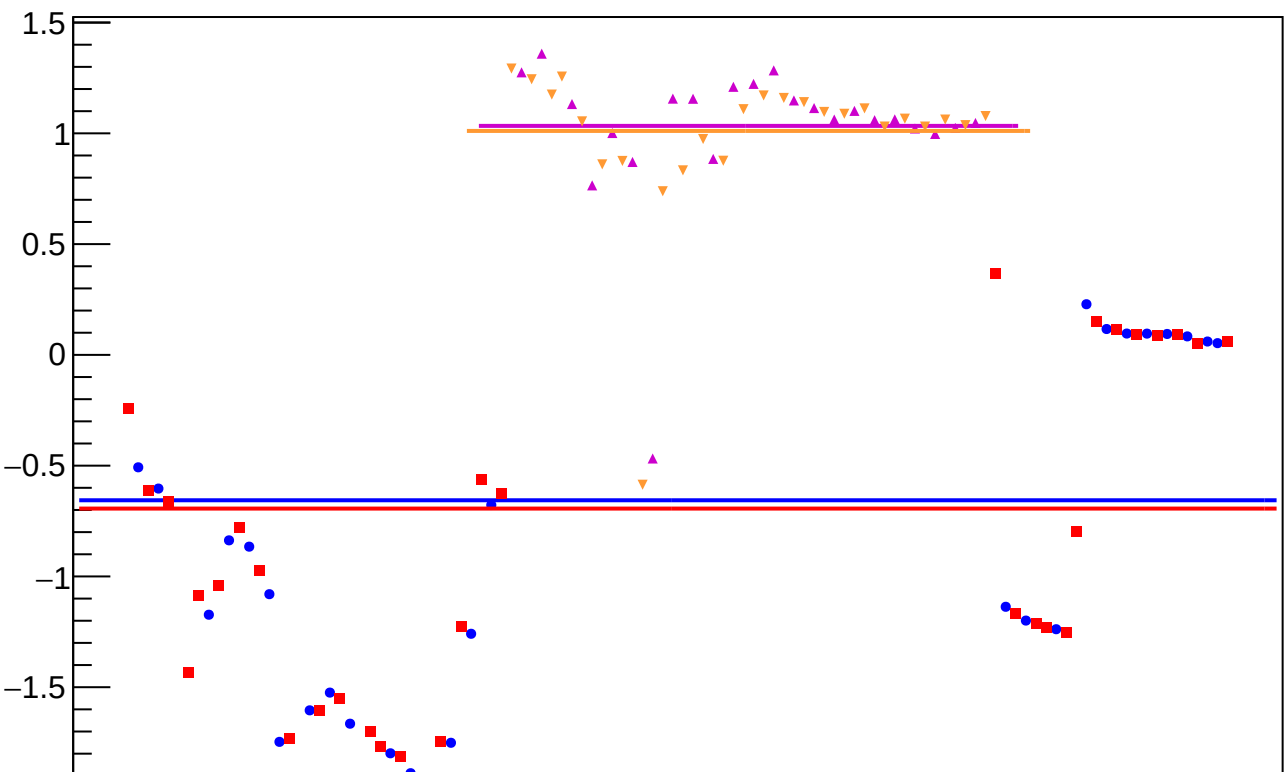
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2951761.5/51

All: 0.011+/-0.000 χ^2/NDF: 5940523.7/106

- sign 0.011+/-0.000 χ^2/NDF: 2986225.4/54

yield_bpm1i06Y_mean vs Slug



Right In: -0.656+/-0.000 χ^2/NDF: 189736034070.4/26

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.694+/-0.000 χ^2/NDF: 179967495894.2/31

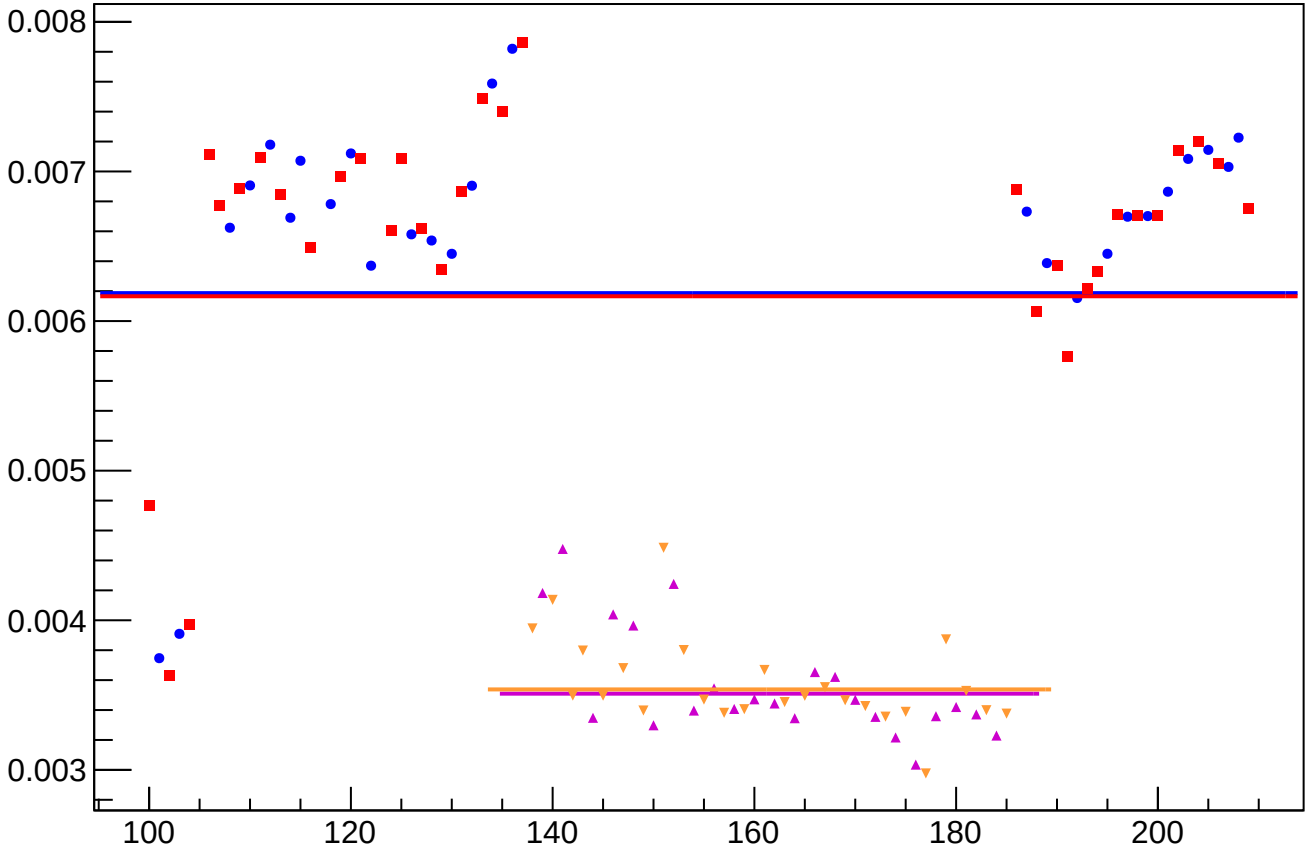
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.657+/-0.000 χ^2/NDF: 1129028040803.3/51

All: 0.642+/-0.000 χ^2/NDF: 2382737658824.

- sign 0.626+/-0.000 χ^2/NDF: 1252835730214.9/54

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1204423.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1229433.7/31

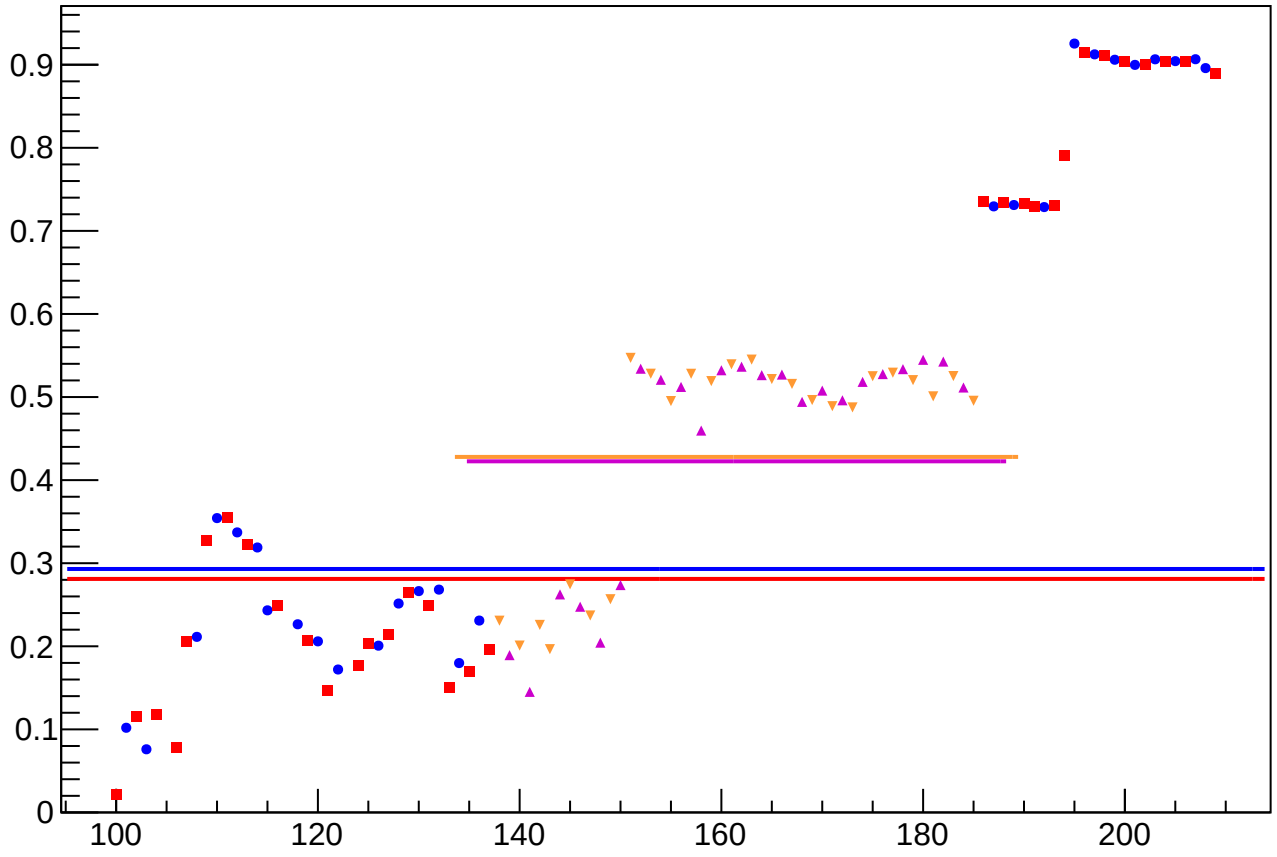
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 5601578.7/51

All: 0.004+/-0.000 χ^2/NDF: 11599264.0/106

- sign 0.004+/-0.000 χ^2/NDF: 5995276.2/54

yield_bpm2i01X_mean vs Slug



Right In: 0.293+/-0.000 χ^2/NDF: 186392456415.9/26

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.281+/-0.000 χ^2/NDF: 209458853111.7/31

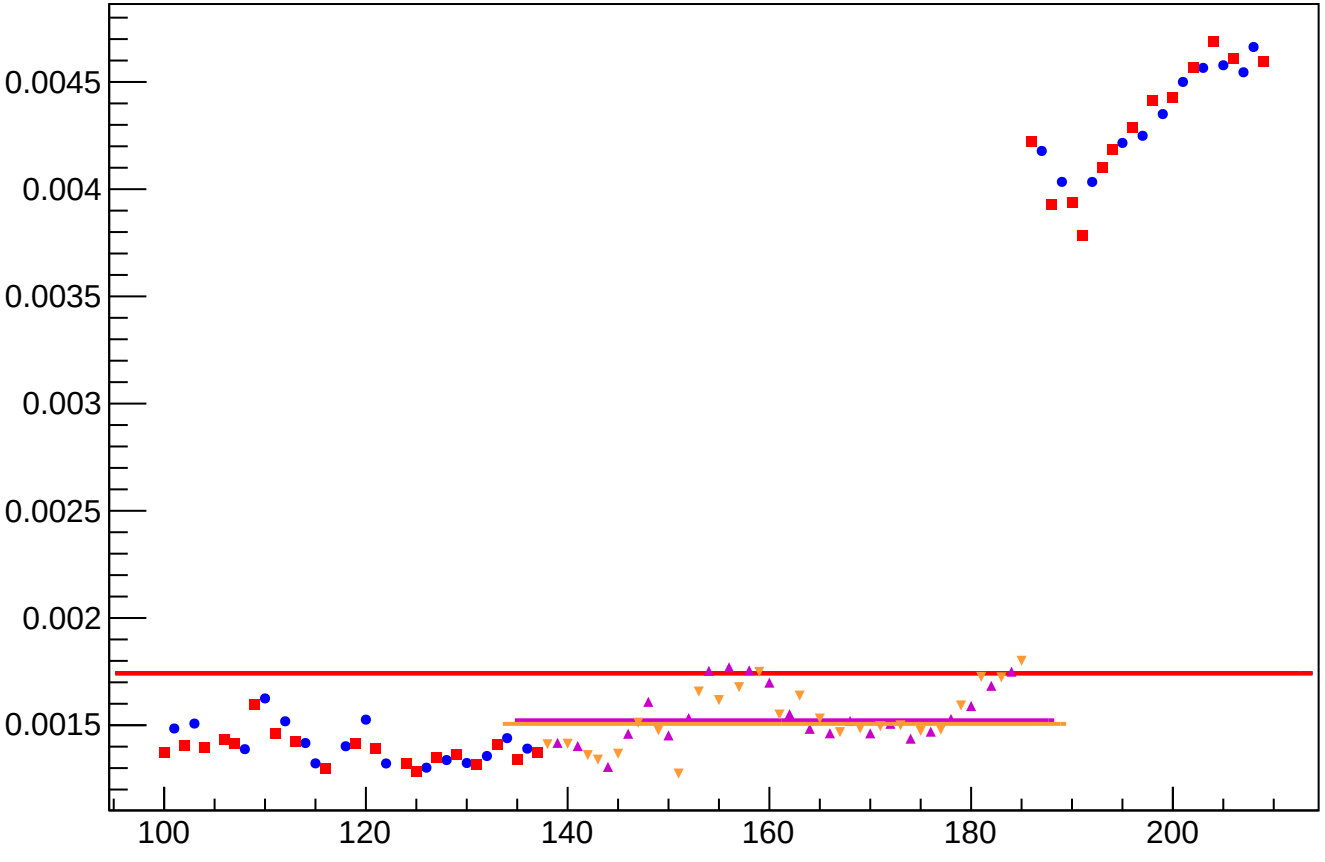
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.385+/-0.000 χ^2/NDF: 389151591572.6/51

All: 0.378+/-0.000 χ^2/NDF: 813266636930.4

- sign 0.372+/-0.000 χ^2/NDF: 423126362210.2/54

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7026986.4/26

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

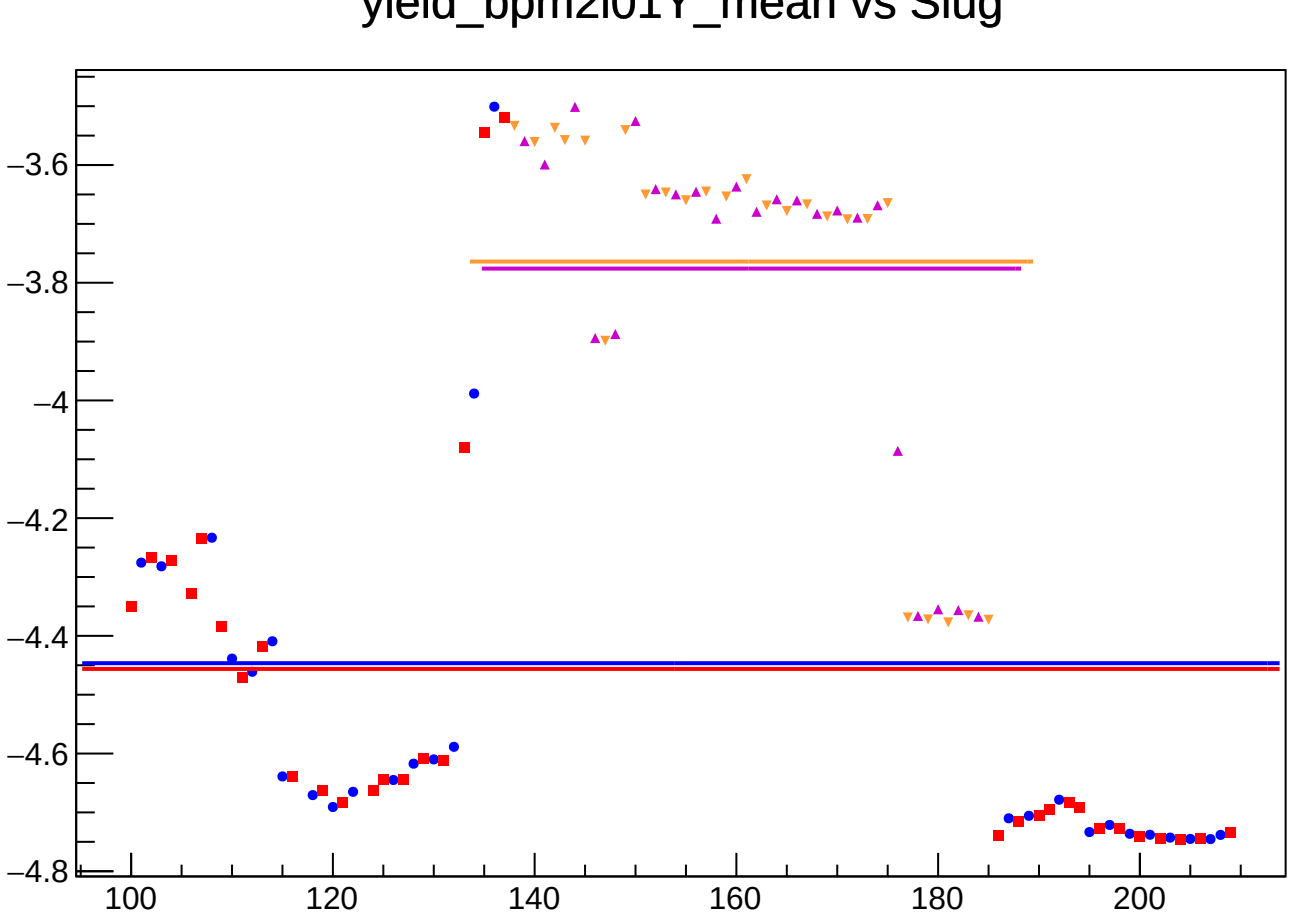
Right Out: 0.002+/-0.000 χ^2/NDF: 7945557.2/31

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 7602939.1/51

All: 0.002+/-0.000 χ^2/NDF: 16057925.0/106

- sign 0.002+/-0.000 χ^2/NDF: 8449962.3/54



Right In: -4.446+/-0.000 χ^2/NDF: 429022006145.7/26

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.456+/-0.000 χ^2/NDF: 380398603871.6/31

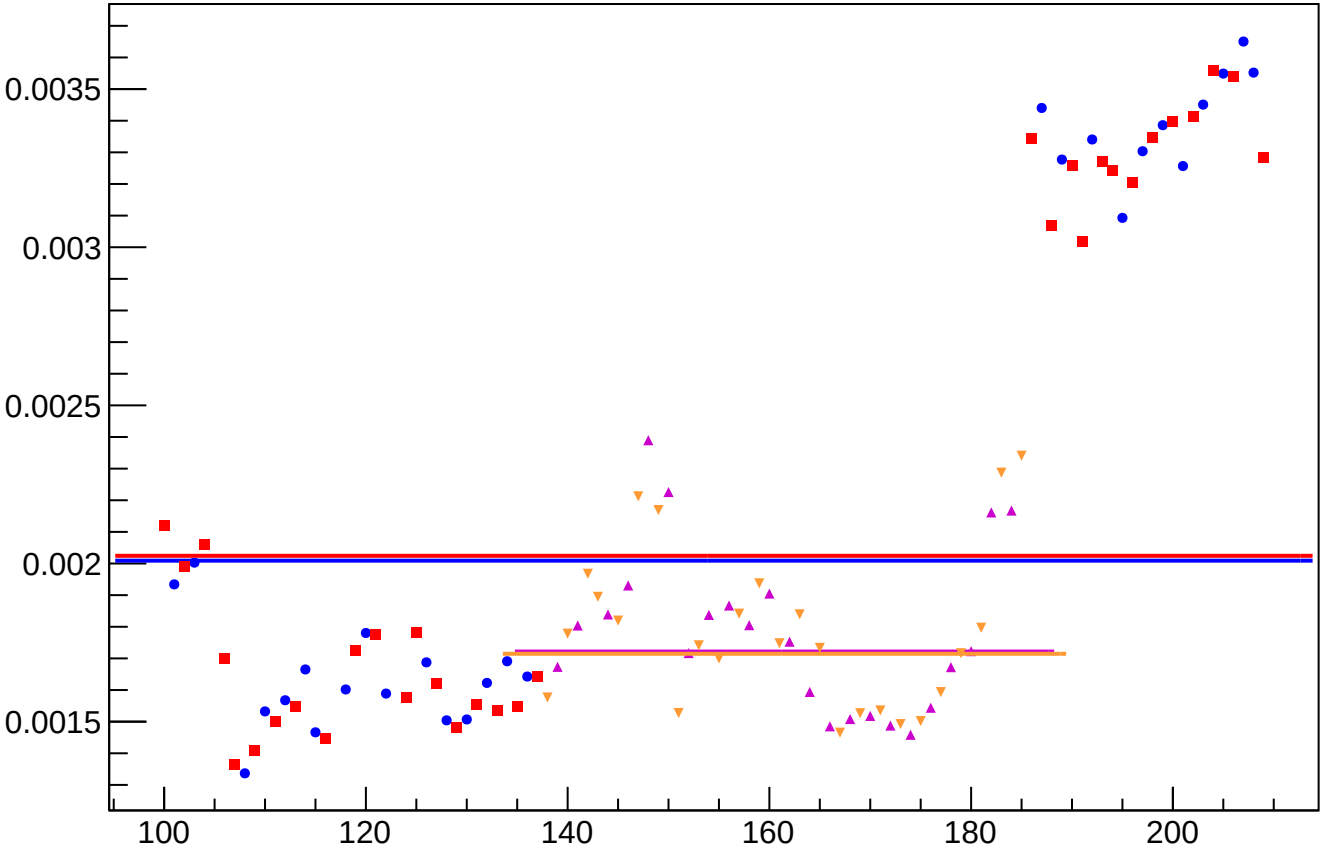
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.001+/-0.000 χ^2/NDF: 1933990481115.3/5

All: -4.018+/-0.000 χ^2/NDF: 3764656600807

- sign -4.034+/-0.000 χ^2/NDF: 1825387293330.4/54

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3755908.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4103776.0/31

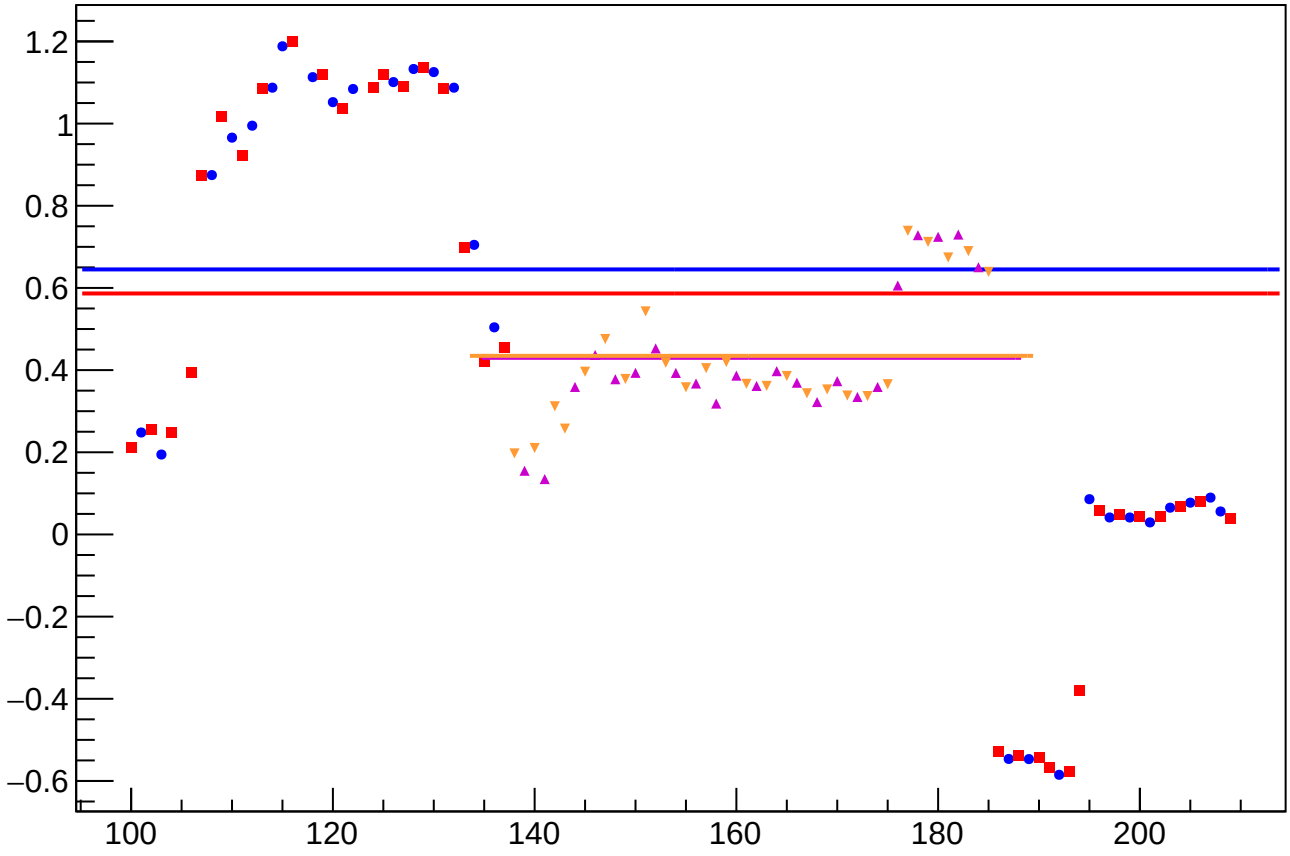
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 4698556.9/51

All: 0.002+/-0.000 χ^2/NDF: 9800933.8/106

- sign 0.002+/-0.000 χ^2/NDF: 5098638.3/54

yield_bpm2i02X_mean vs Slug



Right In: 0.645+/-0.000 χ^2/NDF: 68006058712.4/26

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.587+/-0.000 χ^2/NDF: 88708343803.8/31

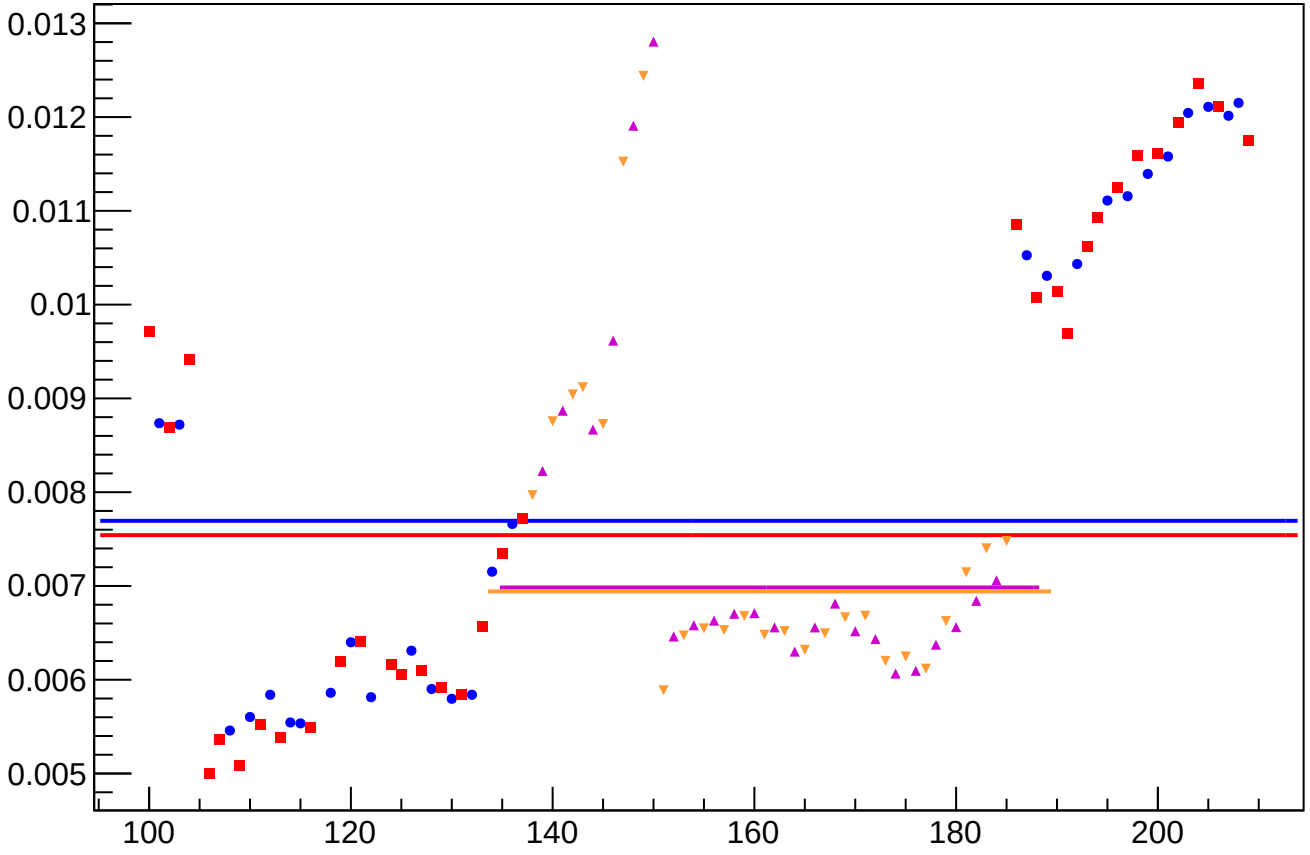
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.515+/-0.000 χ^2/NDF: 83109024124.5/51

All: 0.506+/-0.000 χ^2/NDF: 184780067906.8

- sign 0.497+/-0.000 χ^2/NDF: 101564694180.6/54

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2839416.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

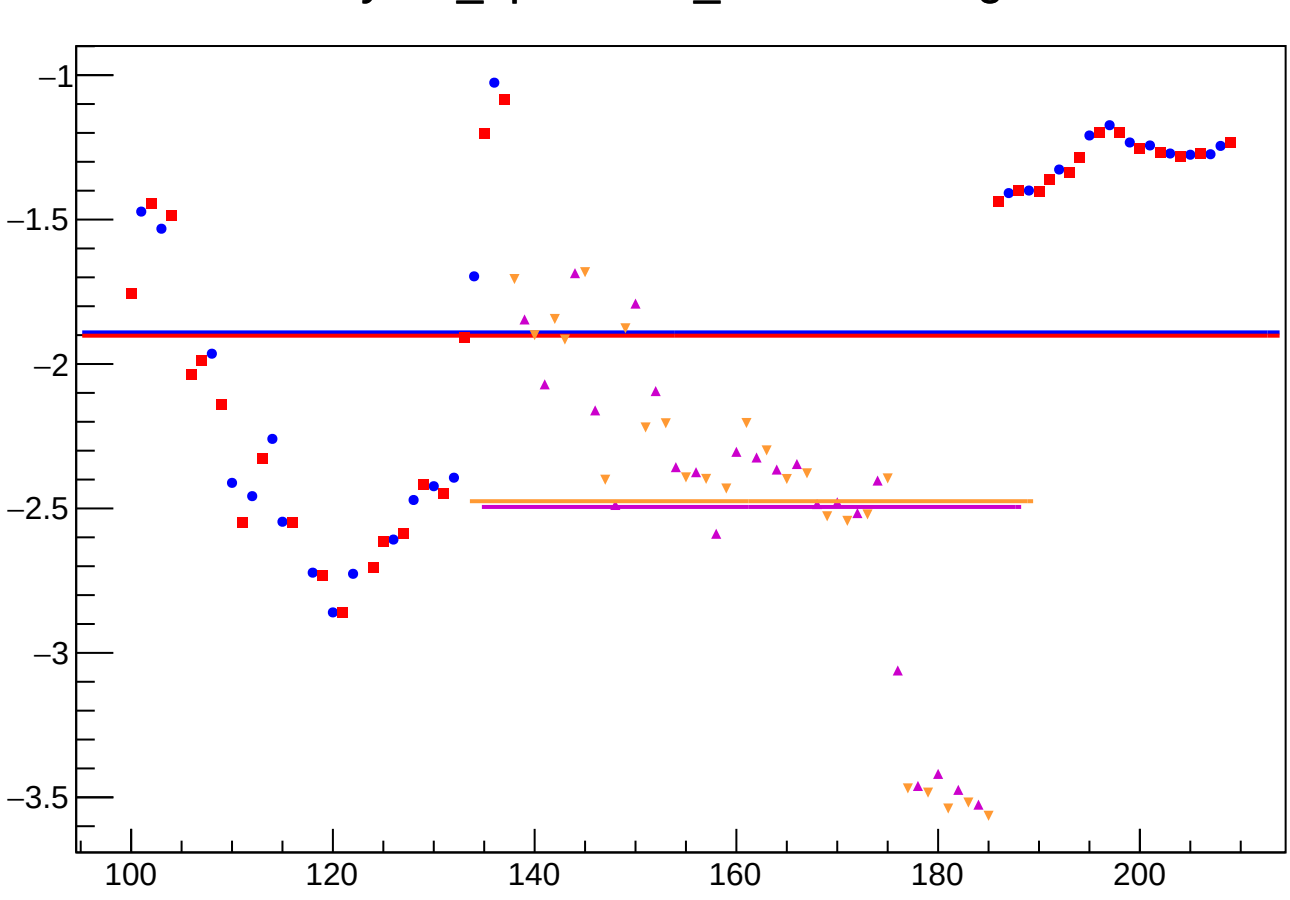
Right Out: 0.008+/-0.000 χ^2/NDF: 3423857.4/31

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 4099091.7/51

All: 0.007+/-0.000 χ^2/NDF: 8756400.2/106

- sign 0.007+/-0.000 χ^2/NDF: 4657274.4/54



Right In: -1.891+/-0.000 χ^2/NDF: 111276498311.6/26

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.902+/-0.000 χ^2/NDF: 110018805627.1/31

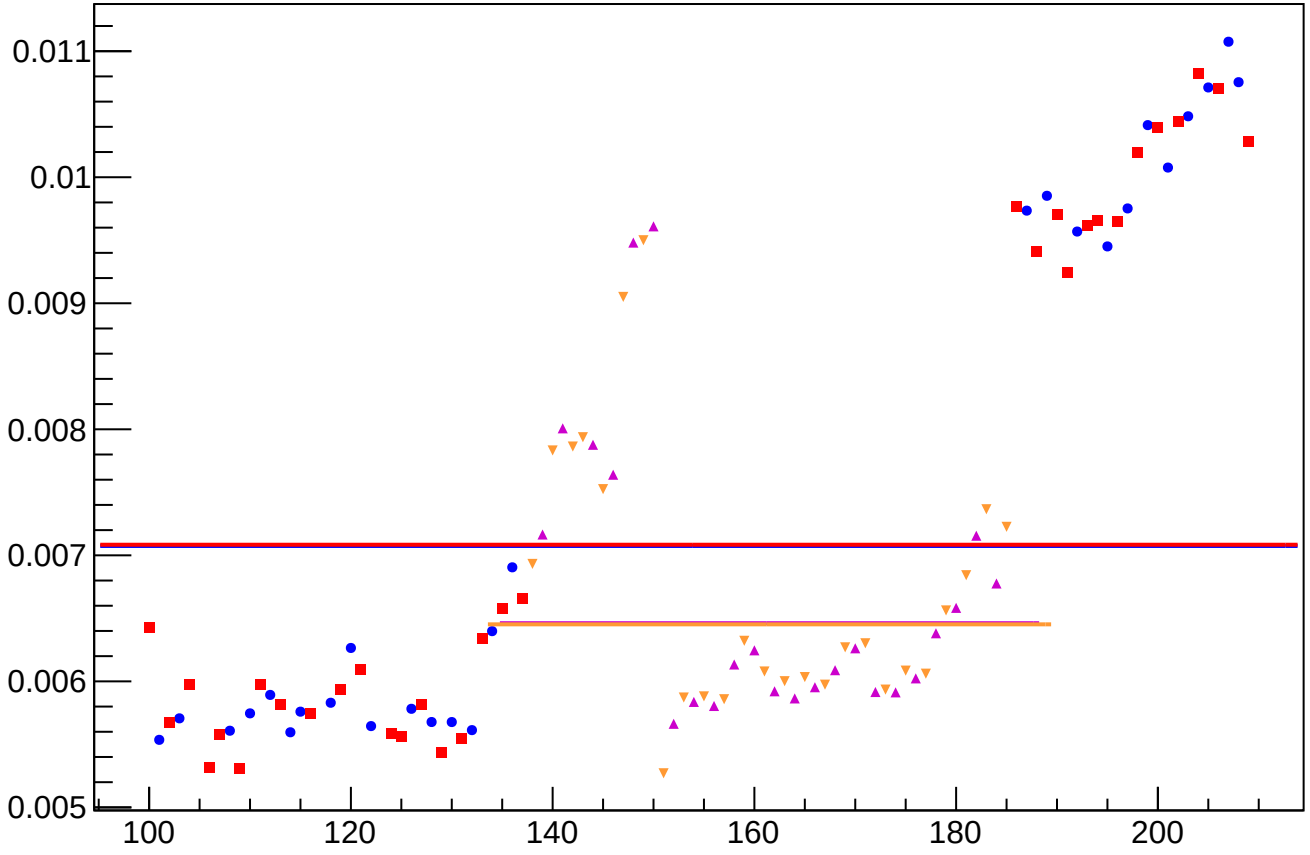
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.246+/-0.000 χ^2/NDF: 294995618238.0/51

All: -2.244+/-0.000 χ^2/NDF: 566093840687.5

- sign -2.242+/-0.000 χ^2/NDF: 271091945043.3/54

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2303620.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2516458.8/31

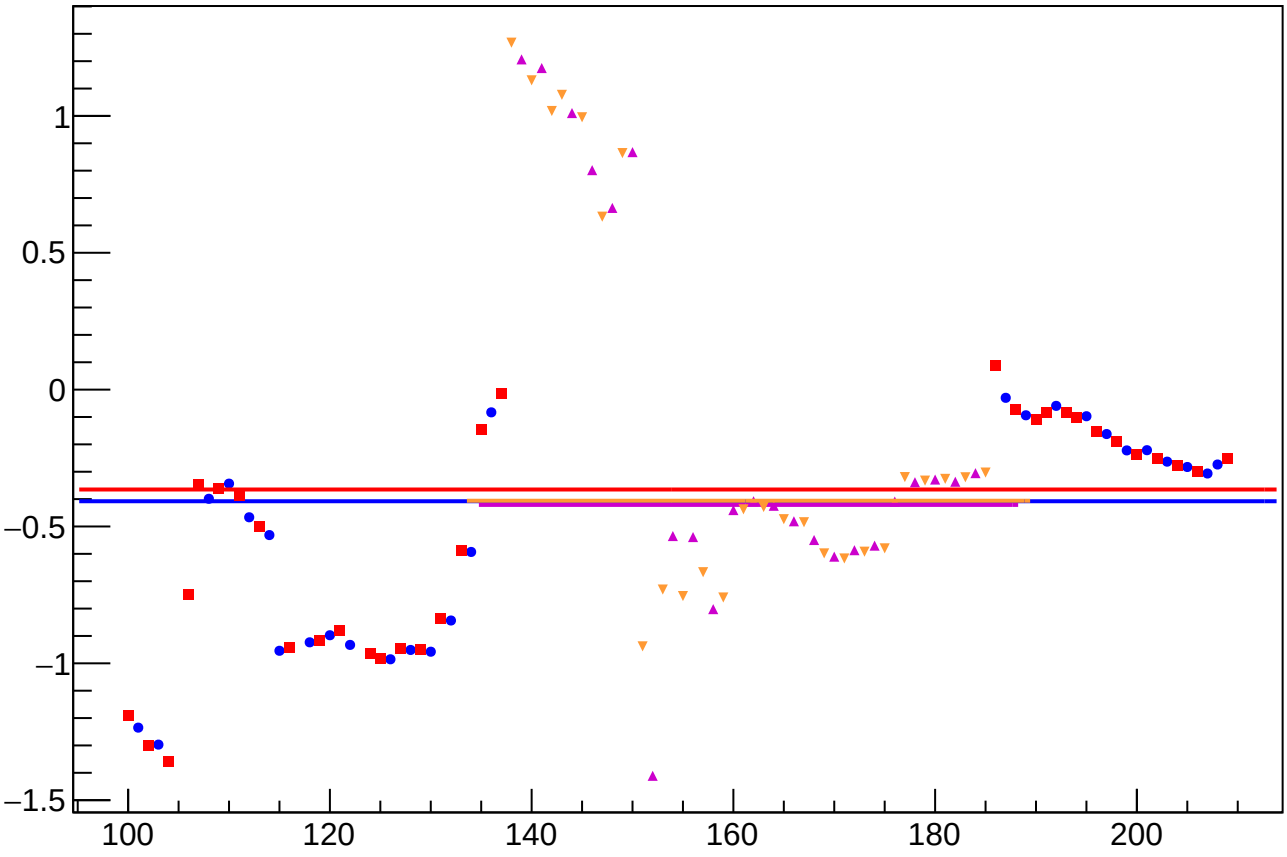
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3154568.0/51

All: 0.007+/-0.000 χ^2/NDF: 6534213.7/106

- sign 0.007+/-0.000 χ^2/NDF: 3378931.6/54

yield_bpm0i01X_mean vs Slug



Right In: -0.408+/-0.000 χ^2/NDF: 24228049560.6/26

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.365+/-0.000 χ^2/NDF: 27213407478.0/31

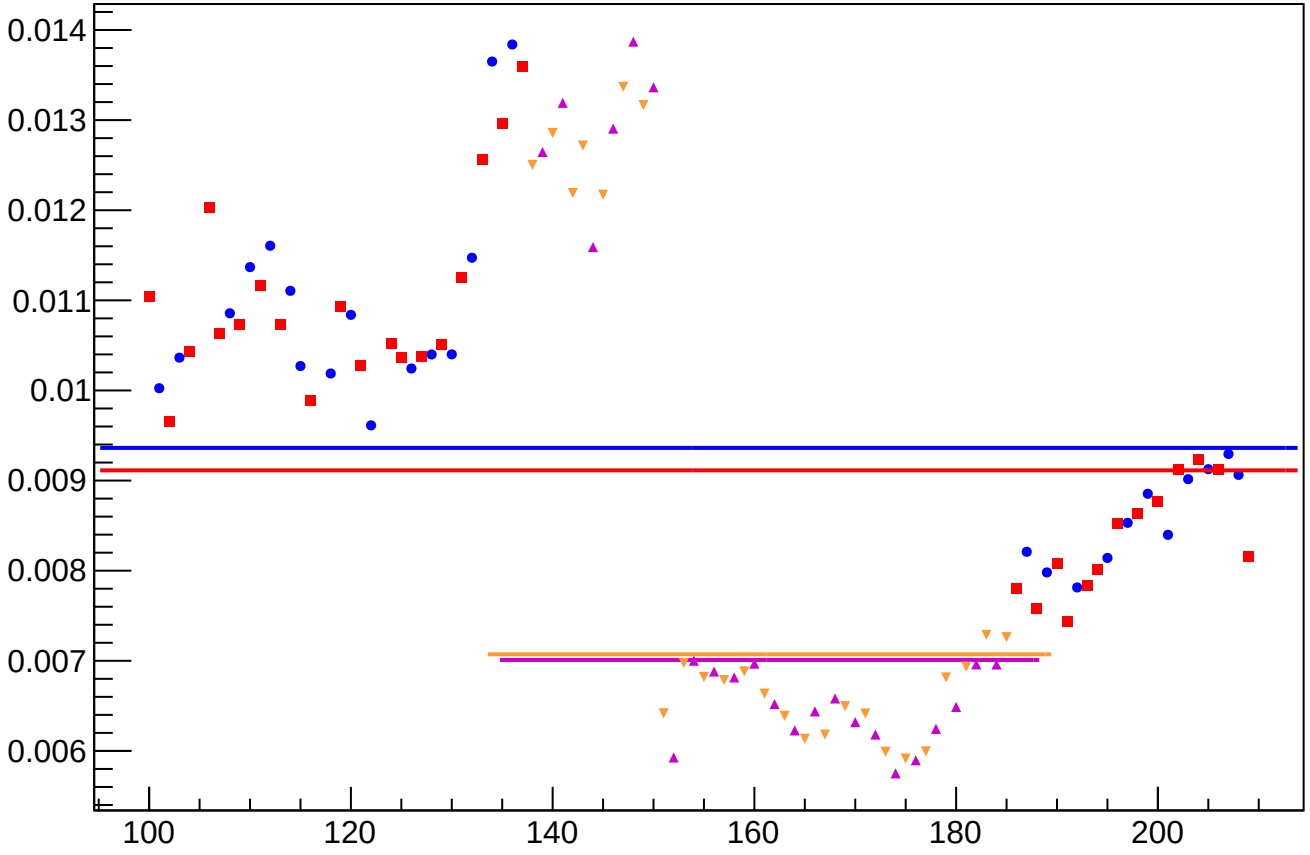
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.407+/-0.000 χ^2/NDF: 105862092388.4/51

All: -0.403+/-0.000 χ^2/NDF: 223726228299.1

- sign -0.400+/-0.000 χ^2/NDF: 117853982262.2/54

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 628862.8/26

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

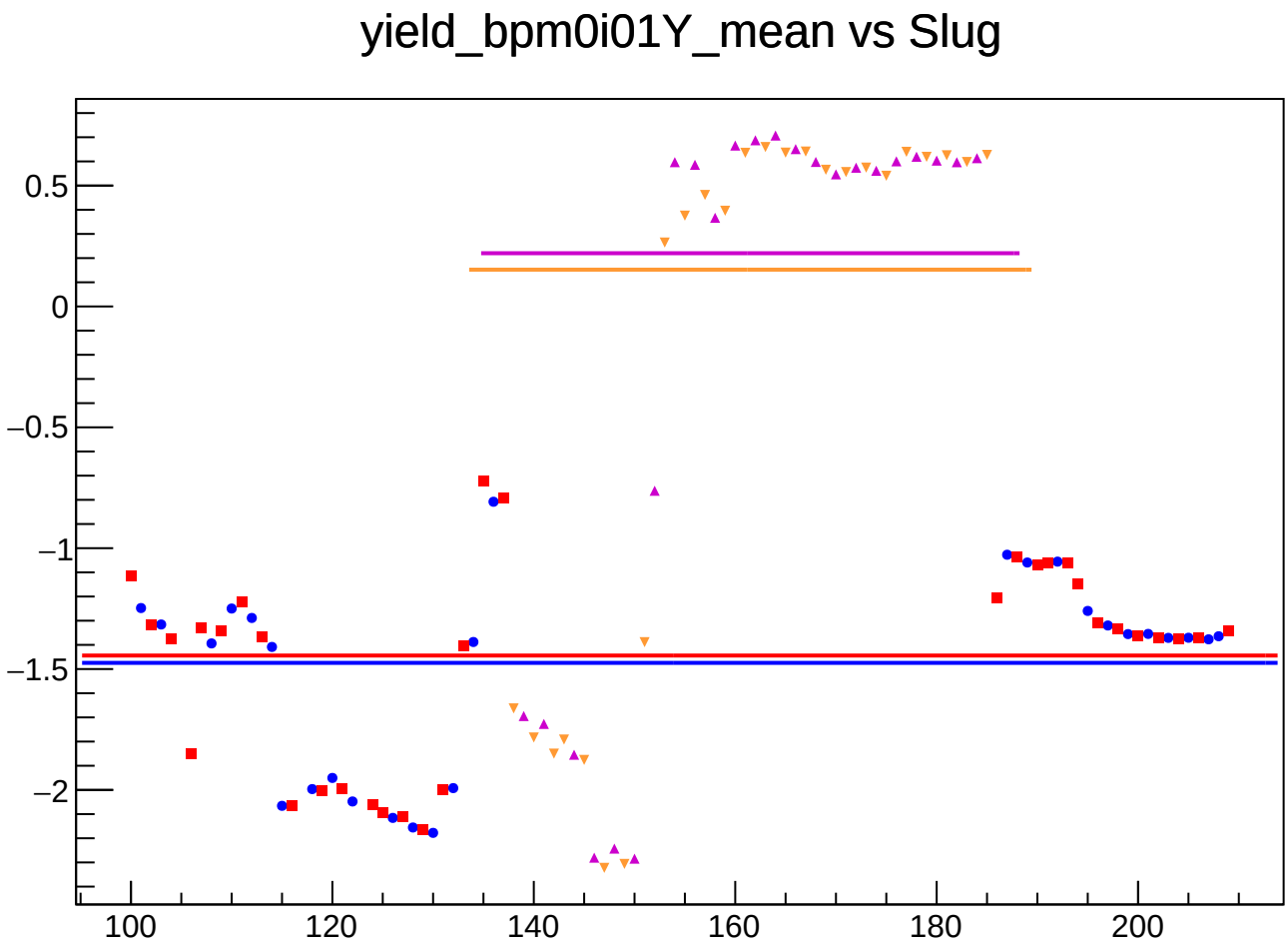
Right Out: 0.009+/-0.000 χ^2/NDF: 699577.0/31

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4237531.4/51

All: 0.008+/-0.000 χ^2/NDF: 8510284.1/106

- sign 0.008+/-0.000 χ^2/NDF: 4271953.9/54



Right In: -1.474+/-0.000 χ^2/NDF: 183359495513.3/26

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.444+/-0.000 χ^2/NDF: 172569968150.6/31

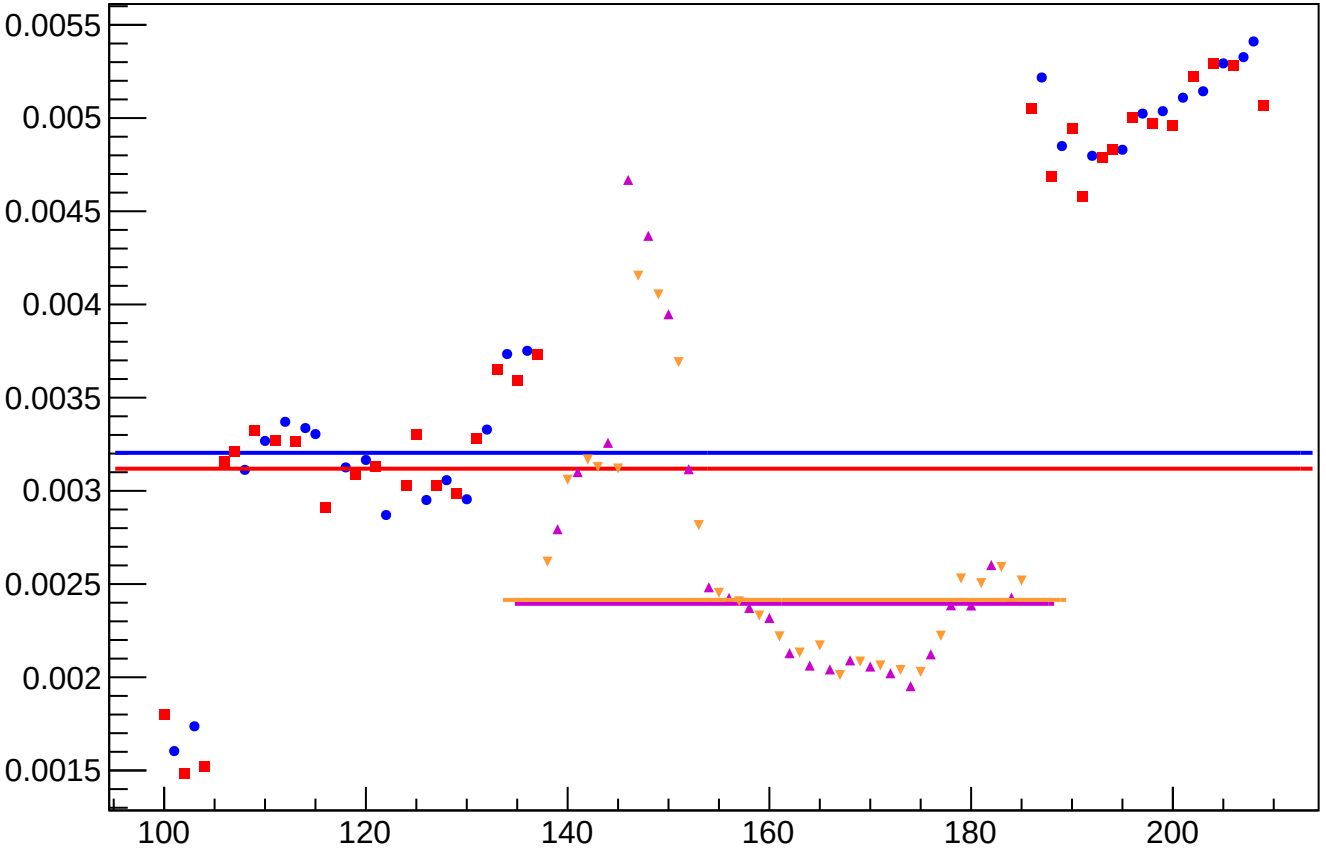
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.335+/-0.000 χ^2/NDF: 4901194785512.7/5

All: -0.336+/-0.000 χ^2/NDF: 977938289200

- sign -0.337+/-0.000 χ^2/NDF: 4878182539980.4/54

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4242142.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

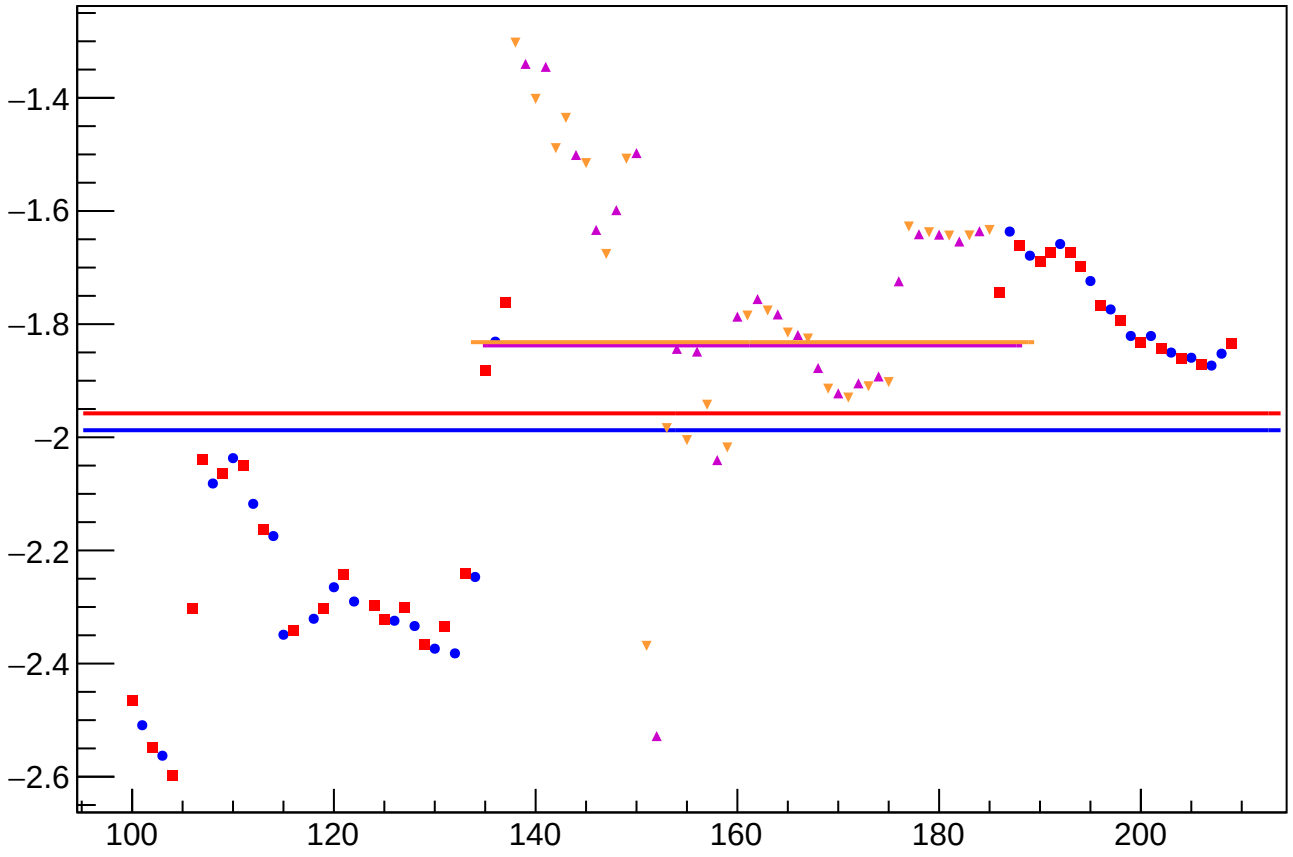
Right Out: 0.003+/-0.000 χ^2/NDF: 5266451.5/31

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 6553517.2/51

All: 0.003+/-0.000 χ^2/NDF: 14210657.7/106

- sign 0.003+/-0.000 χ^2/NDF: 7656215.0/54



Right In: -1.988+/-0.000 χ^2/NDF: 33387582111.7/26

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.958+/-0.000 χ^2/NDF: 37785848598.0/31

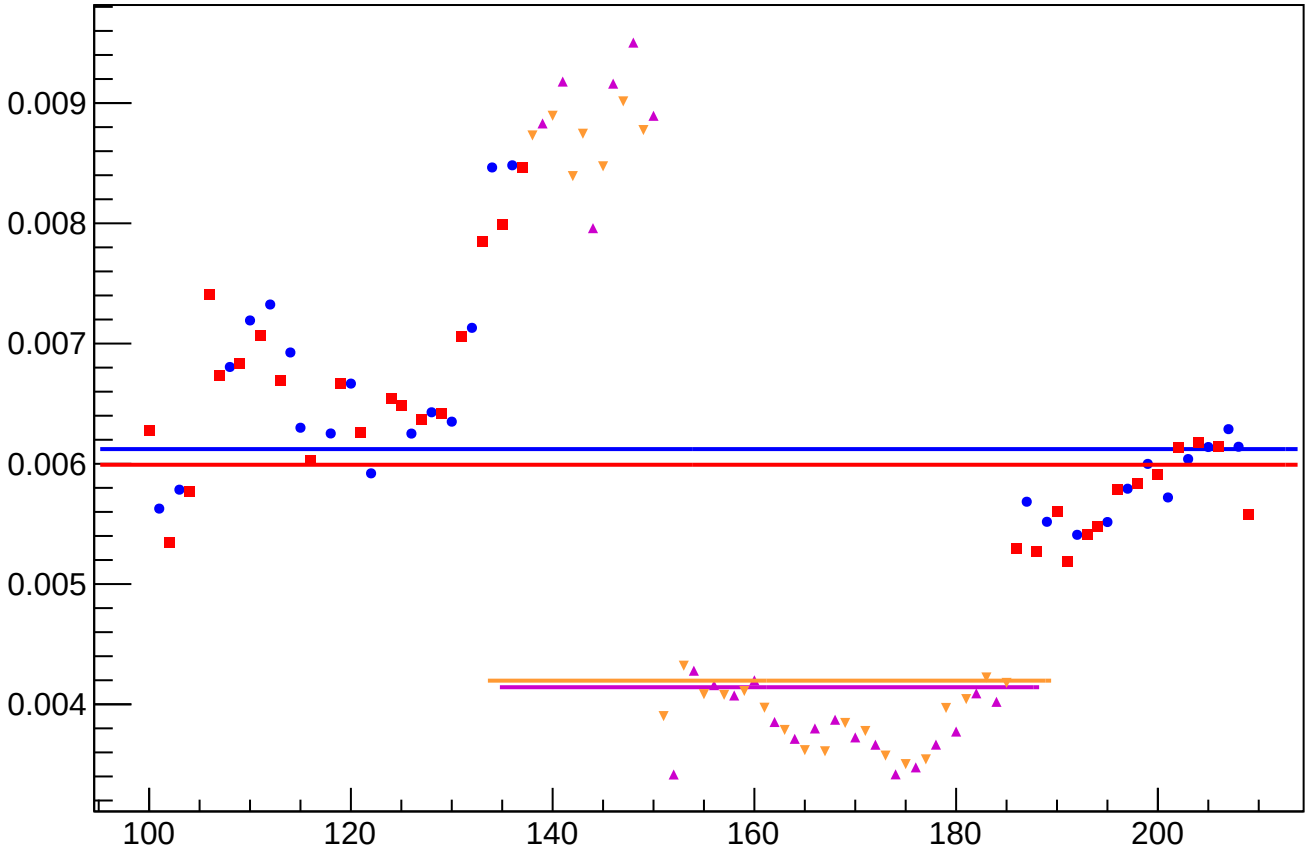
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78704124626.7/51

All: -1.877+/-0.000 χ^2/NDF: 174403571893.3

- sign -1.877+/-0.000 χ^2/NDF: 95699318966.7/54

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 366962.5/26

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 389879.5/31

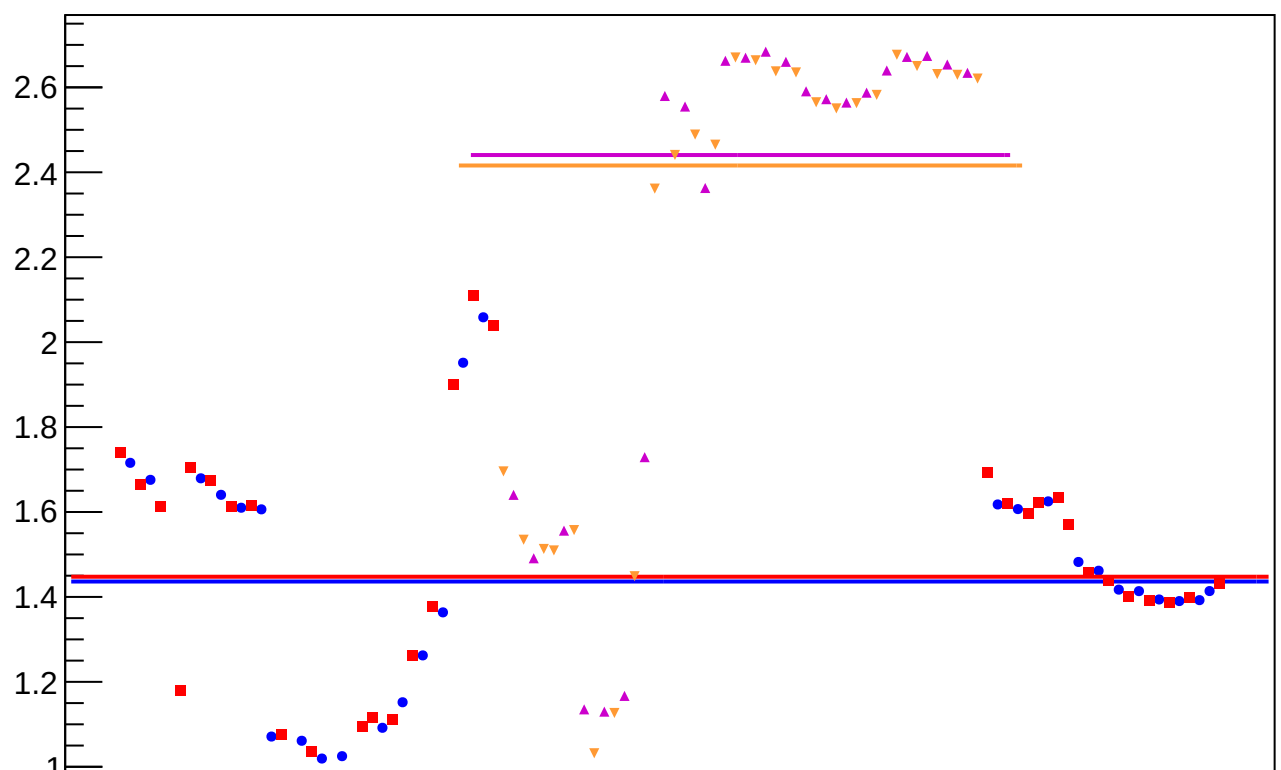
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5586288.7/51

All: 0.005+/-0.000 χ^2/NDF: 11294450.3/106

- sign 0.005+/-0.000 χ^2/NDF: 5708003.2/54

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191483299925.3/26

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186633509762.2/31

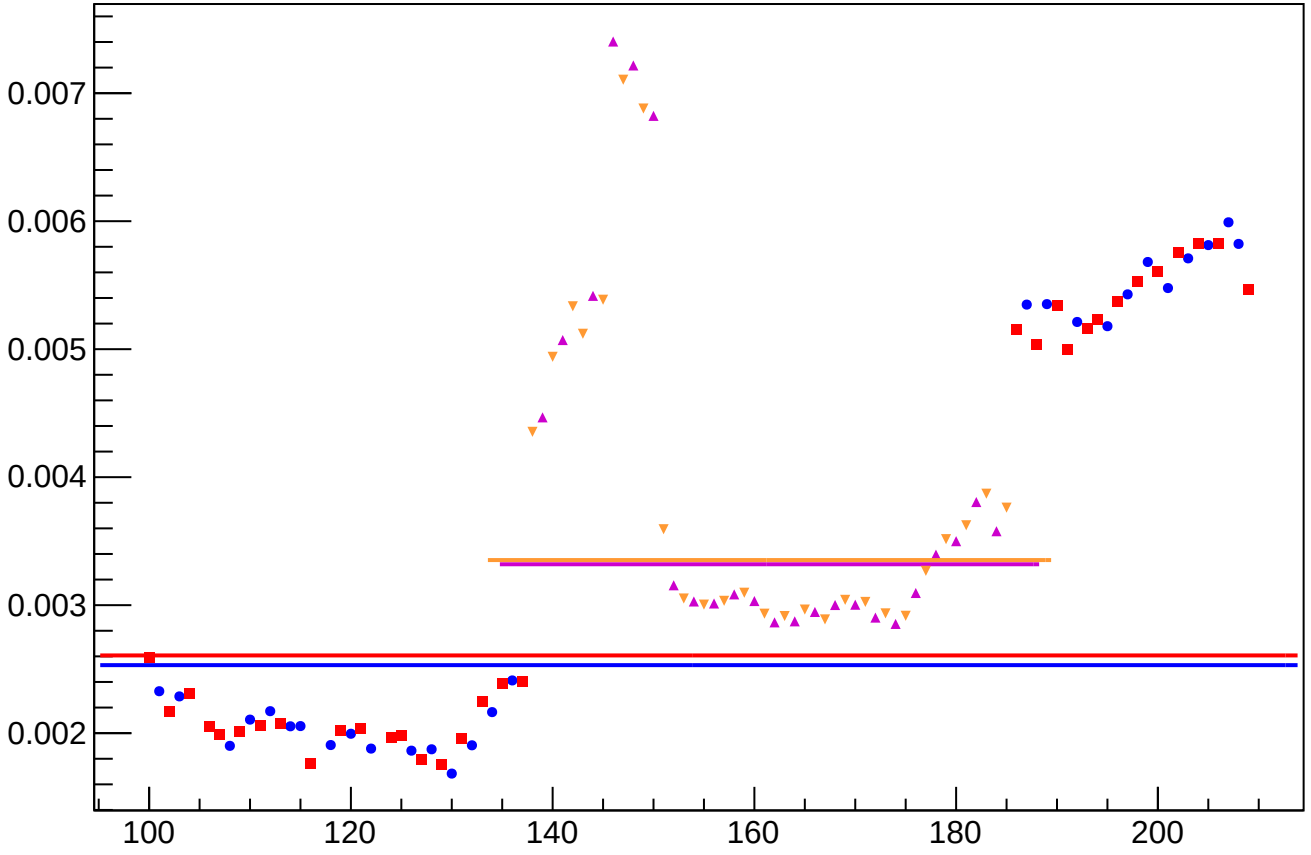
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.877+/-0.000 χ^2/NDF: 1254780583545.8/51

All: 1.876+/-0.000 χ^2/NDF: 2505601075691.

- sign 1.875+/-0.000 χ^2/NDF: 1250815951746.6/54

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 6045604.8/26

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

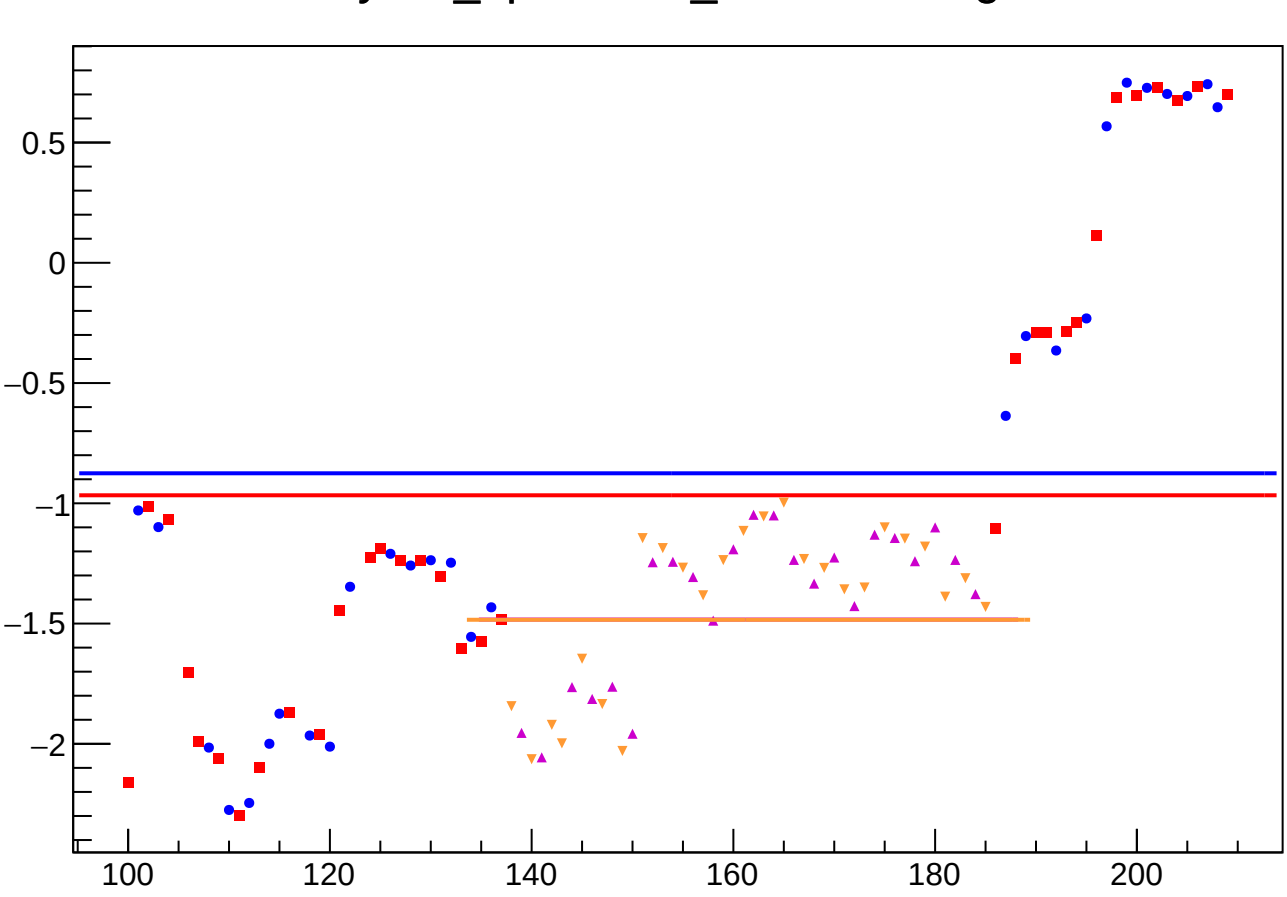
Right Out: 0.003+/-0.000 χ^2/NDF: 6465942.2/31

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 9017382.2/51

All: 0.003+/-0.000 χ^2/NDF: 18396079.5/106

- sign 0.003+/-0.000 χ^2/NDF: 9378070.6/54



Right In: -0.875+/-0.000 χ^2/NDF: 203341737699.6/26

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.967+/-0.000 χ^2/NDF: 239613513098.5/31

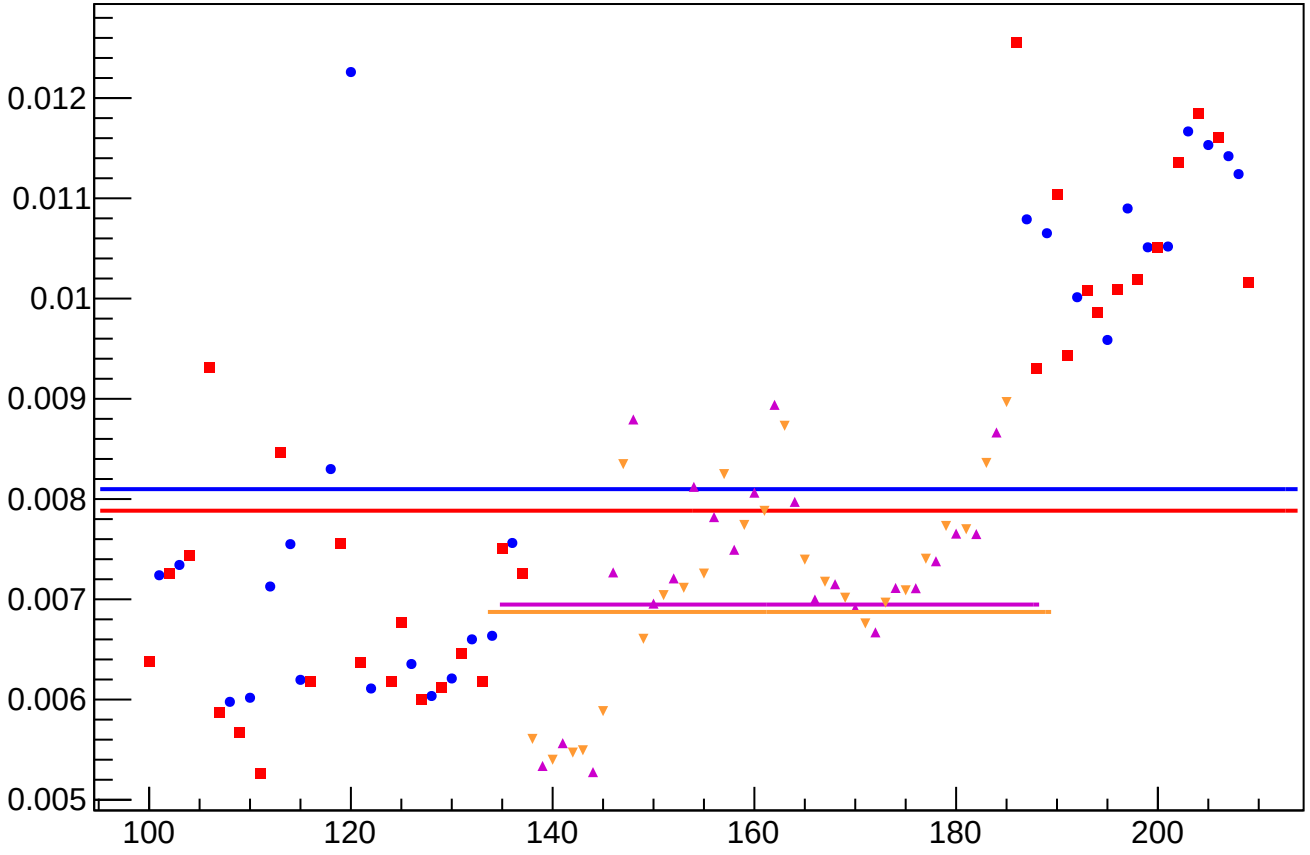
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.266+/-0.000 χ^2/NDF: 302707314651.1/51

All: -1.268+/-0.000 χ^2/NDF: 621643417138.6

- sign -1.269+/-0.000 χ^2/NDF: 318932408562.9/54

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1798674.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

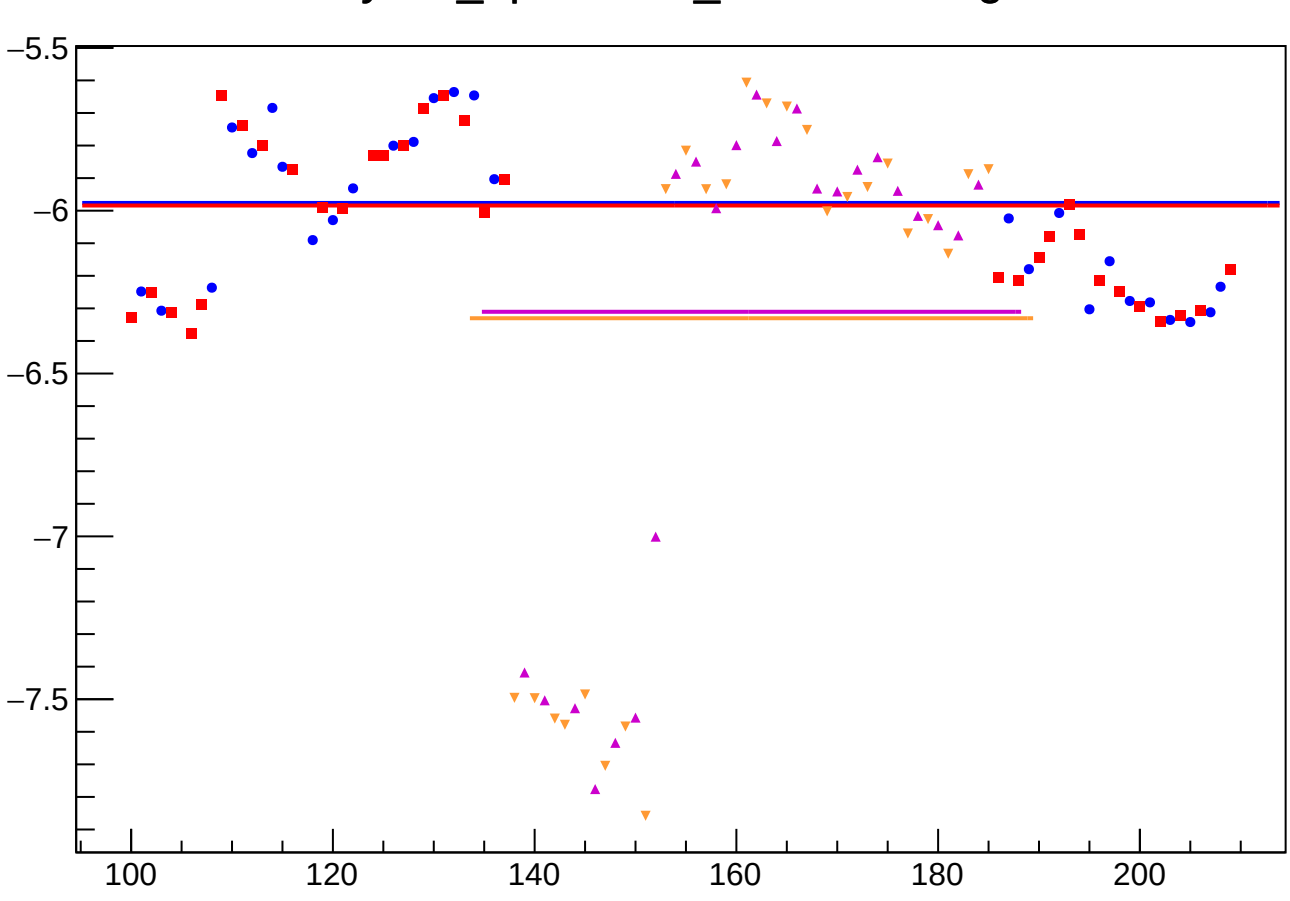
Right Out: 0.008+/-0.000 χ^2/NDF: 2101361.1/31

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2956288.7/51

All: 0.007+/-0.000 χ^2/NDF: 6060589.0/106

- sign 0.007+/-0.000 χ^2/NDF: 3104003.7/54



Right In: -5.976+/-0.000 χ^2/NDF: 15779223792.2/26

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.984+/-0.000 χ^2/NDF: 16485432396.4/31

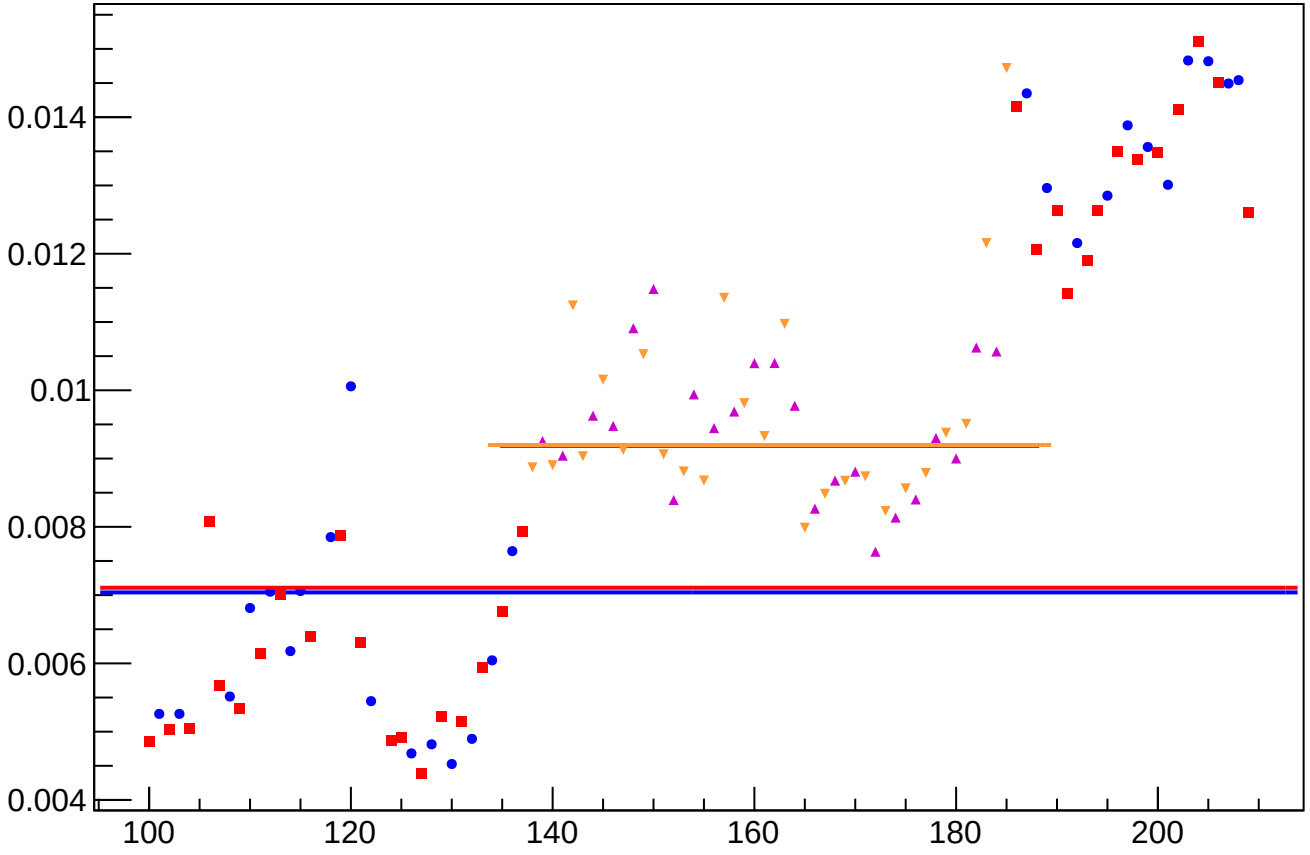
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.132+/-0.000 χ^2/NDF: 139491126739.7/51

All: -6.125+/-0.000 χ^2/NDF: 259223084280.5

- sign -6.117+/-0.000 χ^2/NDF: 119684110402.7/54

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5277277.3/26

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

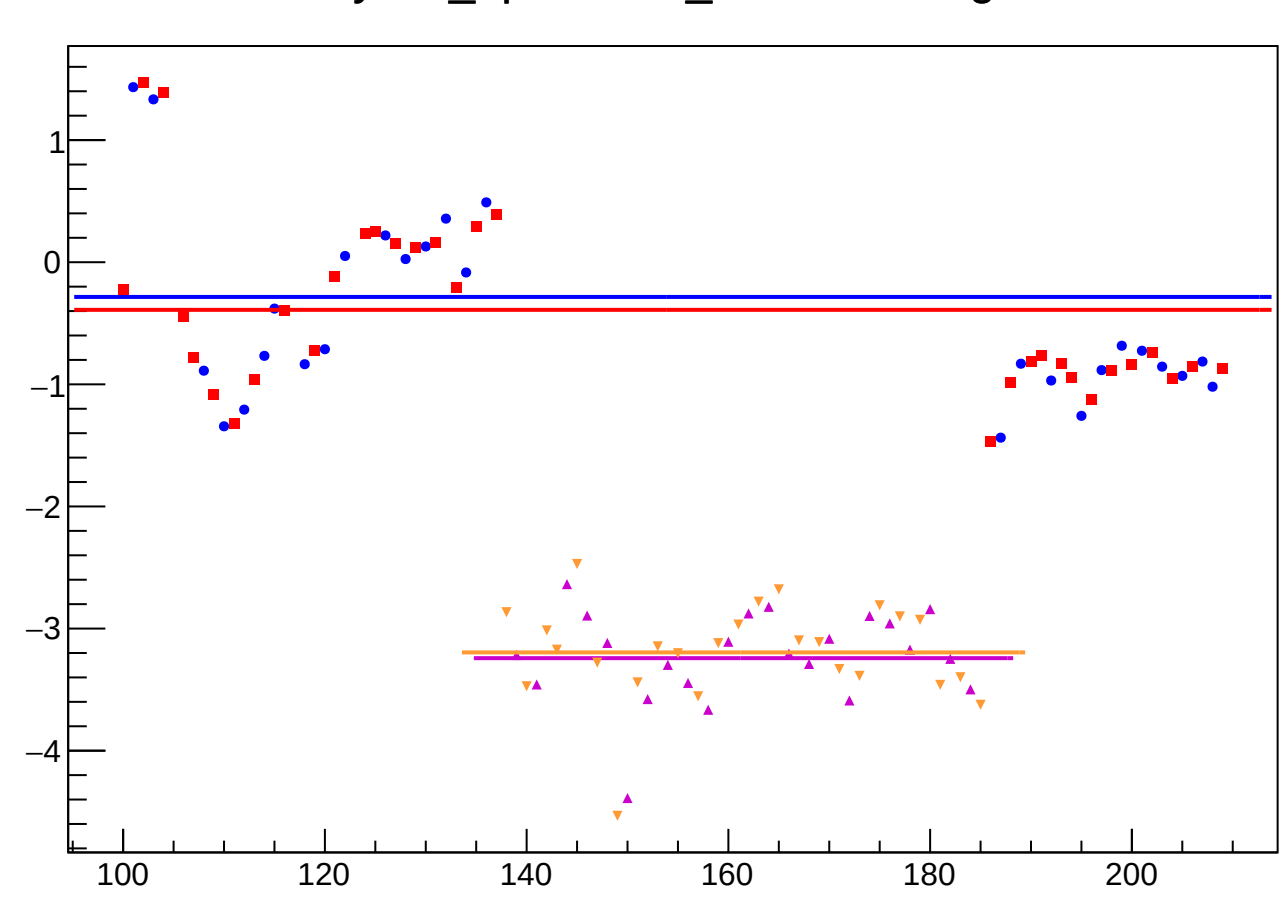
Right Out: 0.007+/-0.000 χ^2/NDF: 5449999.2/31

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 6640029.1/51

All: 0.008+/-0.000 χ^2/NDF: 13341692.3/106

- sign 0.008+/-0.000 χ^2/NDF: 6701141.0/54



Right In: -0.284+/-0.000 χ^2/NDF: 34267362735.8/26

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.390+/-0.000 χ^2/NDF: 35723832714.0/31

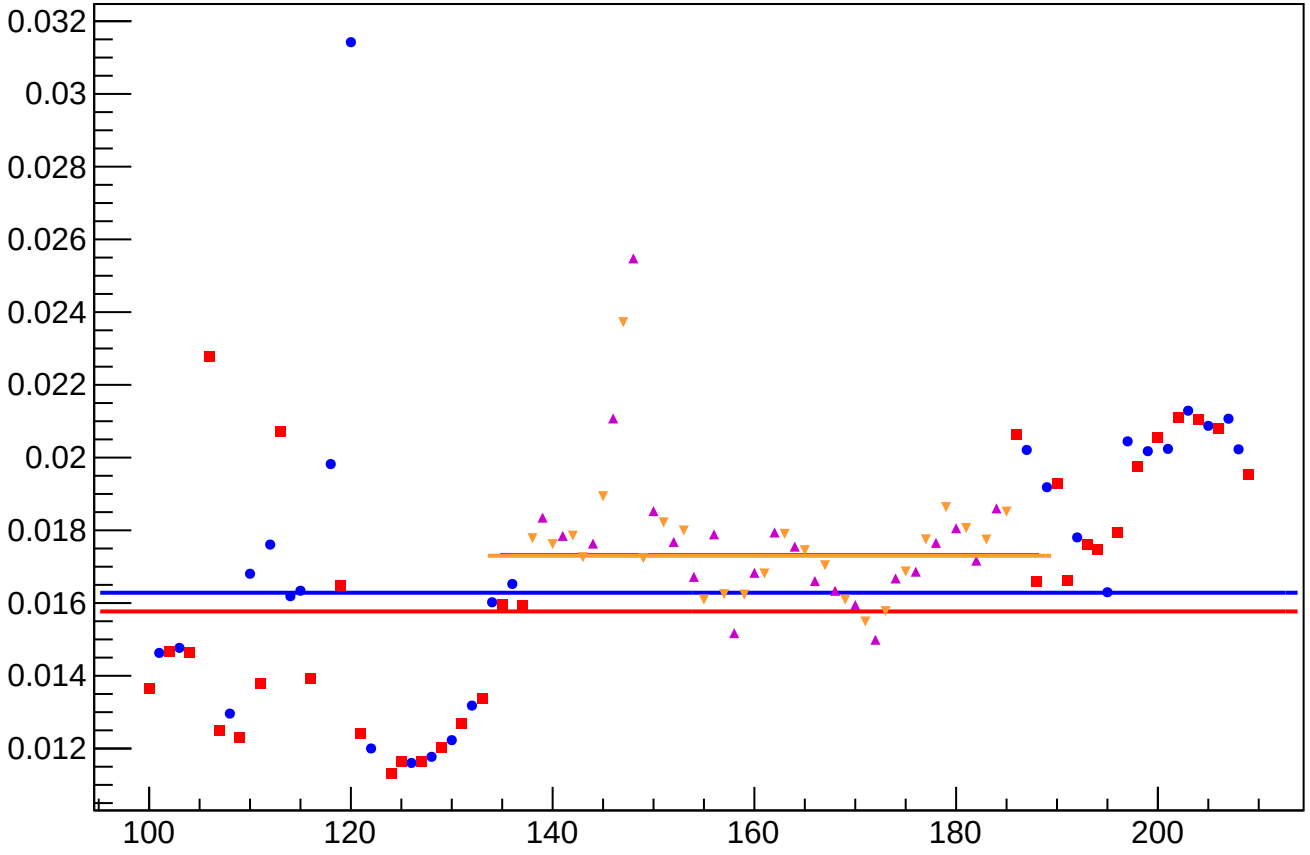
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.844+/-0.000 χ^2/NDF: 287988656730.4/51

All: -1.799+/-0.000 χ^2/NDF: 579862306920.2

- sign -1.755+/-0.000 χ^2/NDF: 291406861553.1/54

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1351222.6/26

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1382578.5/31

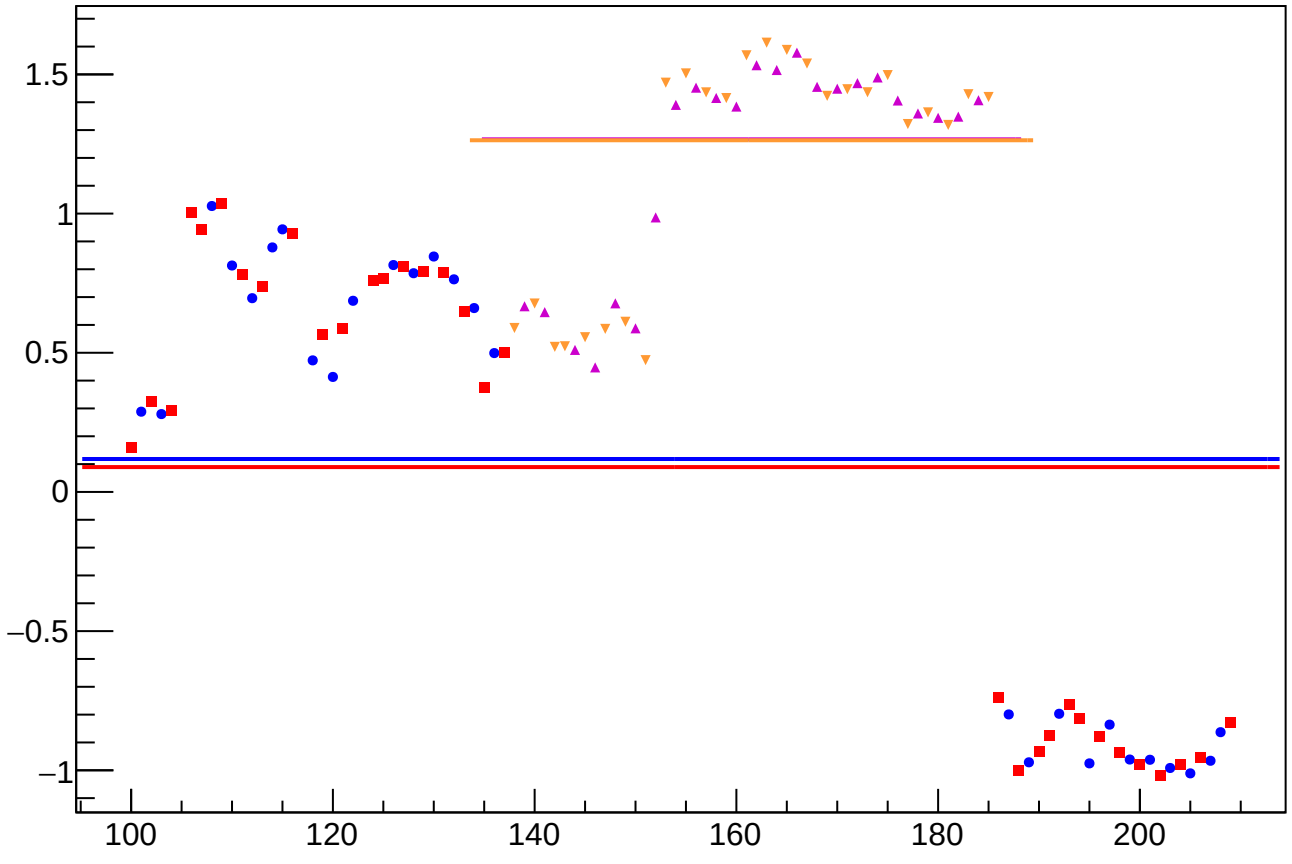
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1628872.0/51

All: 0.017+/-0.000 χ^2/NDF: 3500135.5/106

- sign 0.017+/-0.000 χ^2/NDF: 1859393.2/54

yield_bpm0l02Y_mean vs Slug



Right In: 0.118+/-0.000 χ^2/NDF: 77416102807.8/26

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.089+/-0.000 χ^2/NDF: 91020174703.0/31

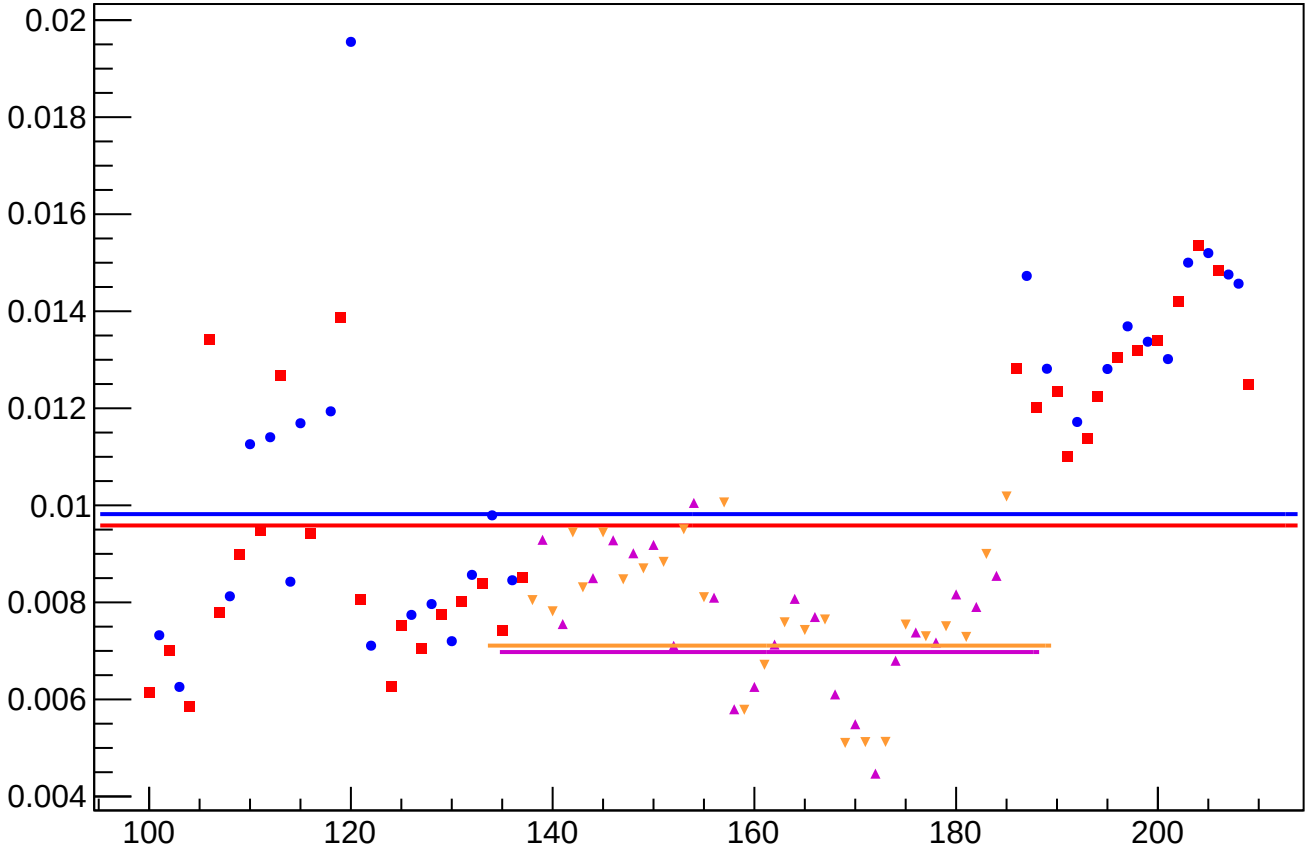
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.928+/-0.000 χ^2/NDF: 252172452692.3/51

All: 0.905+/-0.000 χ^2/NDF: 532010334648.4

- sign 0.883+/-0.000 χ^2/NDF: 279350305938.5/54

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2545539.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

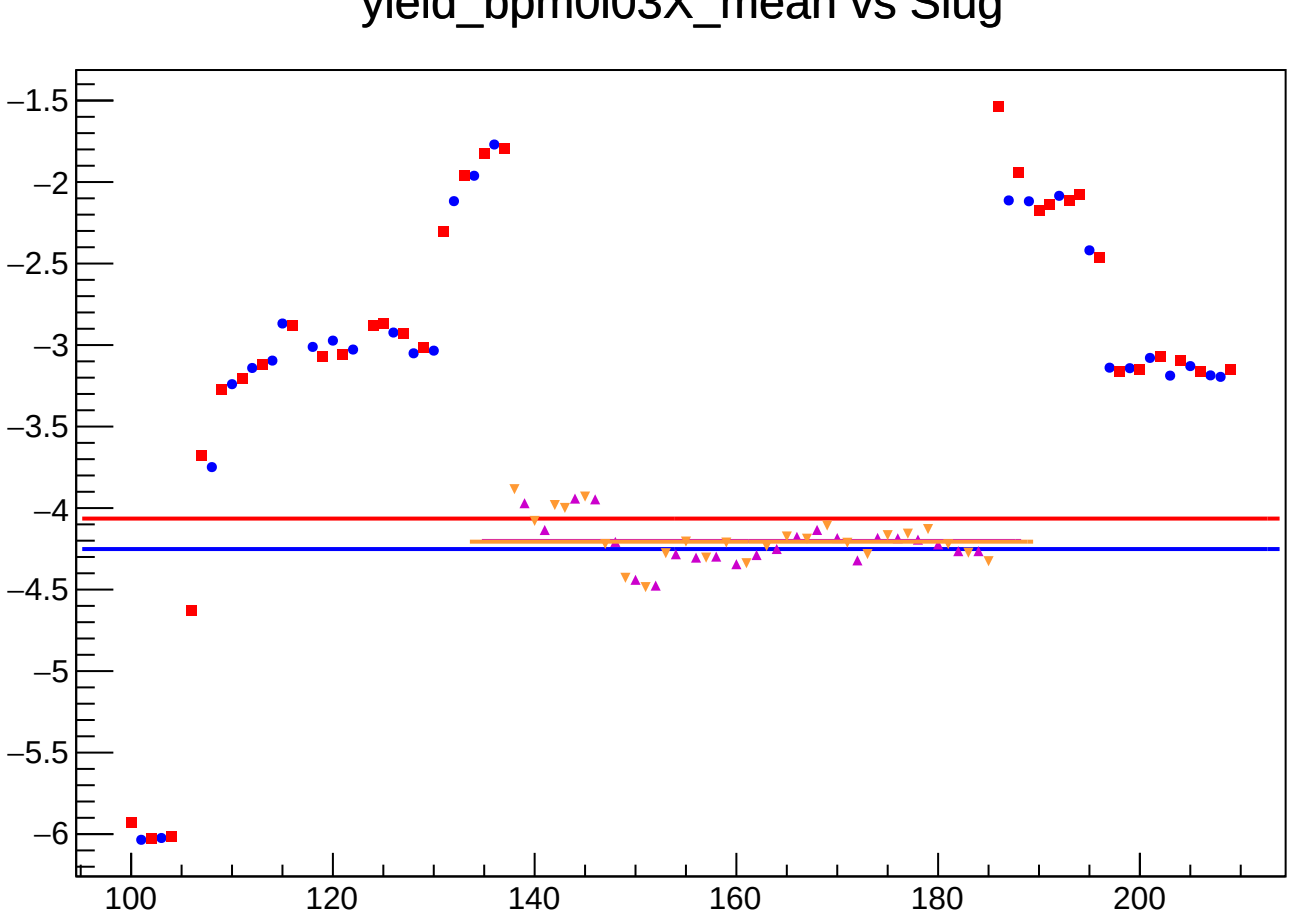
Right Out: 0.010+/-0.000 χ^2/NDF: 2654189.9/31

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 5511361.5/51

All: 0.008+/-0.000 χ^2/NDF: 11104996.8/106

- sign 0.008+/-0.000 χ^2/NDF: 5590779.1/54



Right In: -4.251+/-0.000 χ^2/NDF: 294466665821.0/26

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.064+/-0.000 χ^2/NDF: 301775286432.9/31

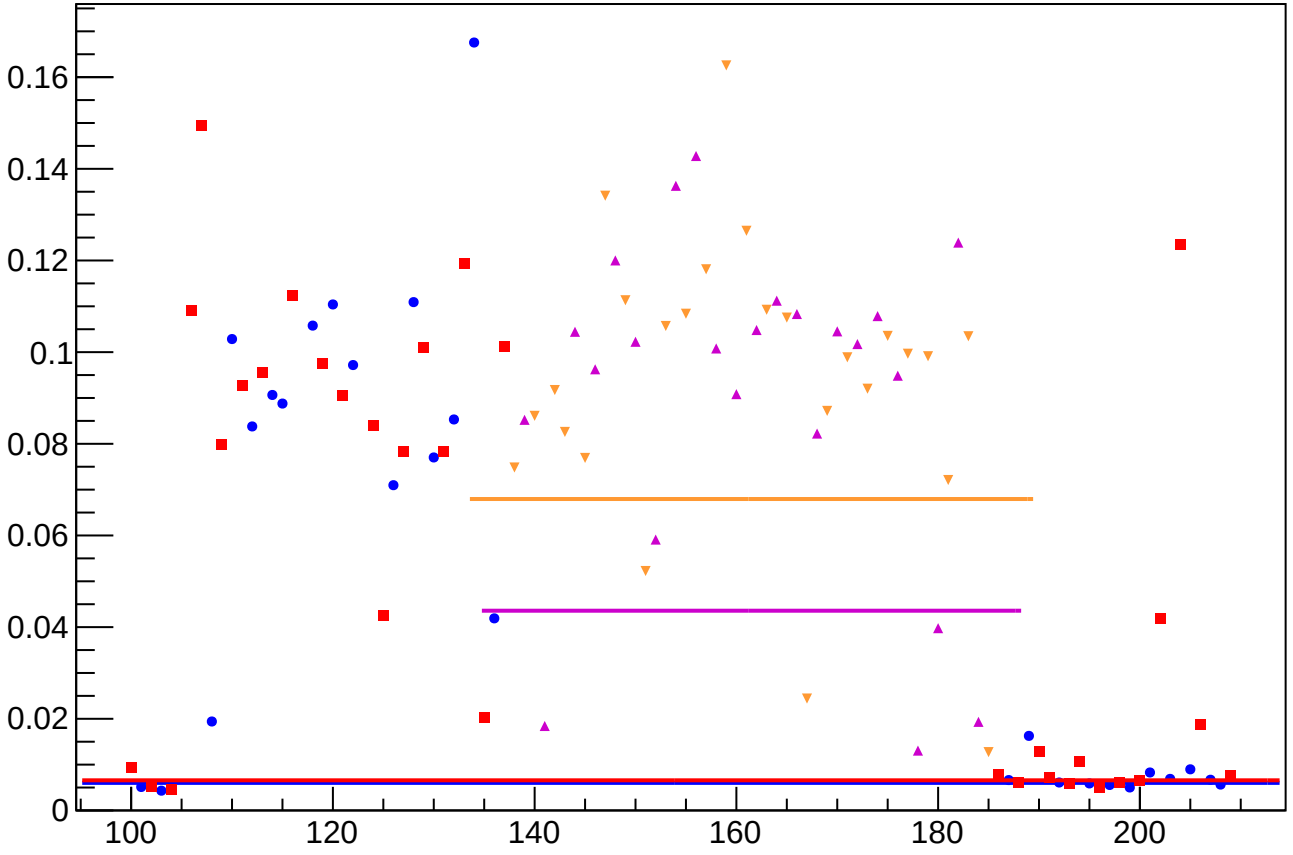
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.250+/-0.000 χ^2/NDF: 294533558266.3/51

All: -4.170+/-0.000 χ^2/NDF: 598130036814.4

- sign -4.070+/-0.000 χ^2/NDF: 301891783410.1/54

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8914270.6/26

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10682995.1/31

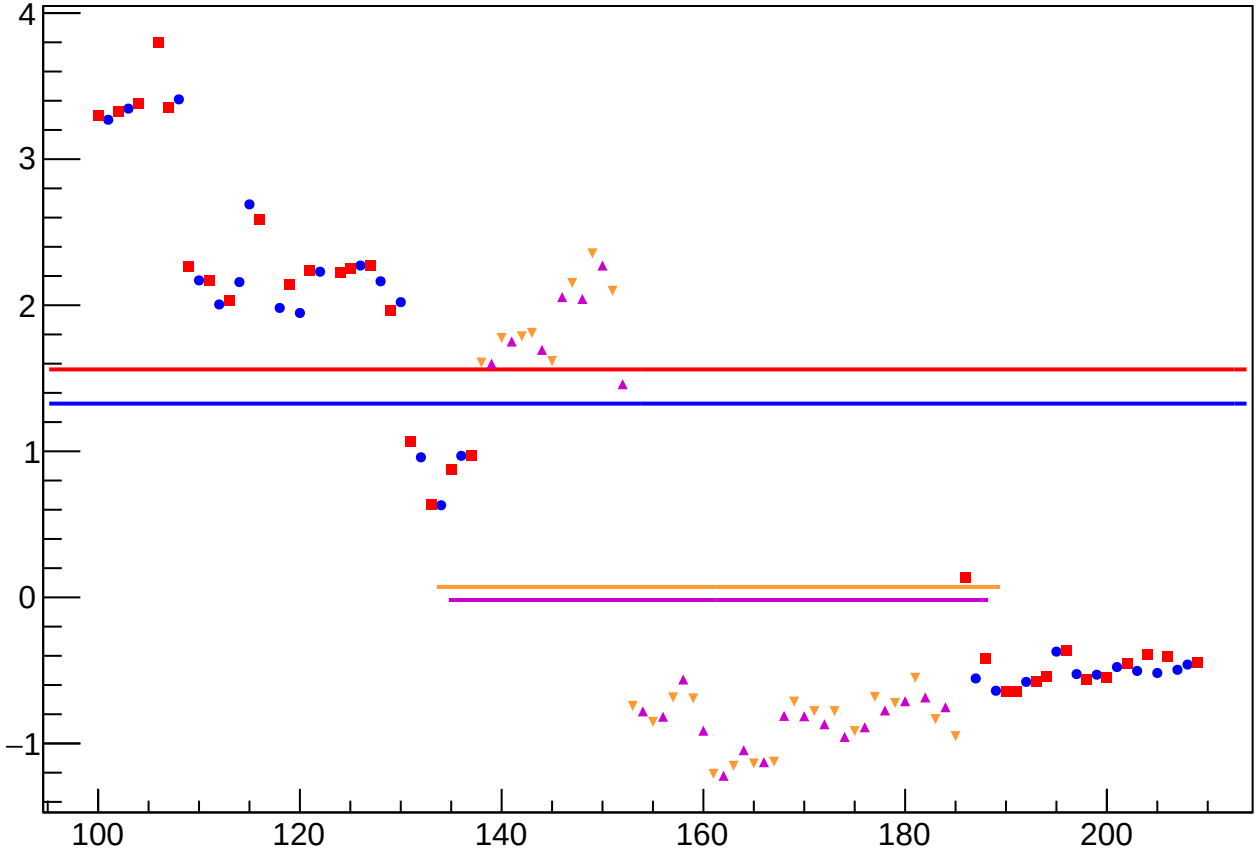
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 36501596.1/51

All: 0.008+/-0.000 χ^2/NDF: 70730617.0/106

- sign 0.008+/-0.000 χ^2/NDF: 34166984.4/54

yield_bpm0l03Y_mean vs Slug



Right In: 1.327+/-0.000 χ^2/NDF: 228782022009.1/26

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.561+/-0.000 χ^2/NDF: 194044251476.9/31

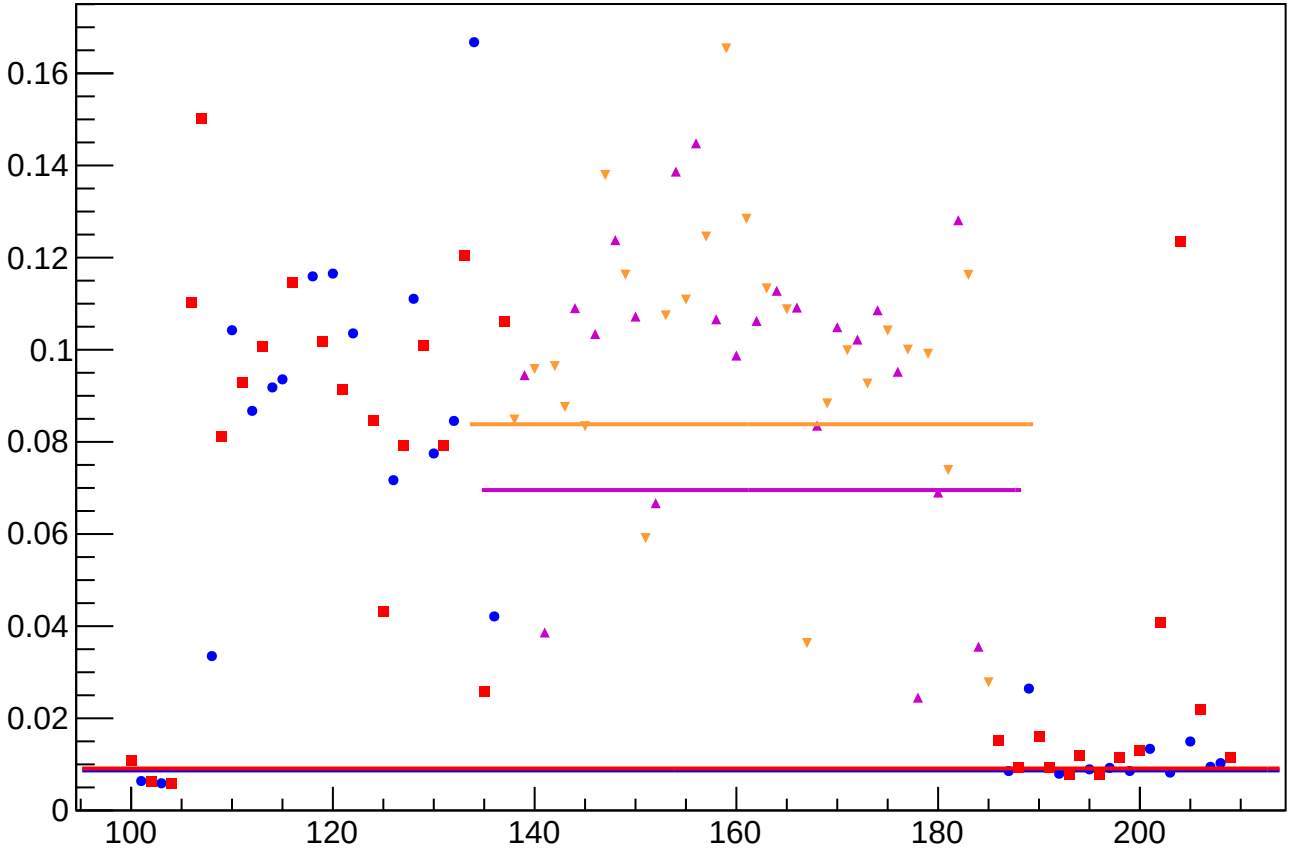
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.287+/-0.000 χ^2/NDF: 235555862015.8/51

All: 1.383+/-0.000 χ^2/NDF: 440038682466.0

- sign 1.494+/-0.000 χ^2/NDF: 203176567043.4/54

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8773285.8/26

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

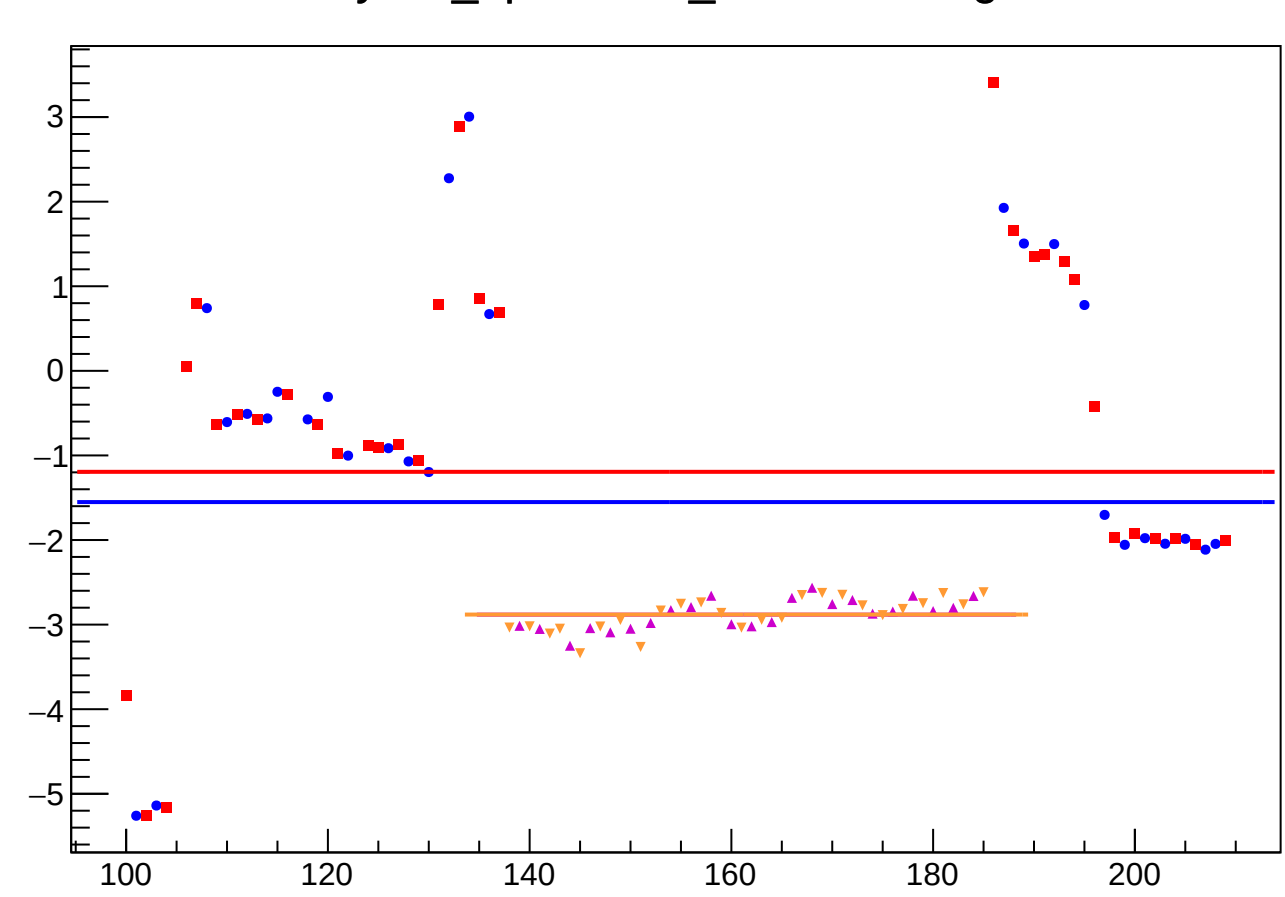
Right Out: 0.009+/-0.000 χ^2/NDF: 10448926.0/31

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35111025.0/51

All: 0.011+/-0.000 χ^2/NDF: 68921547.2/106

- sign 0.012+/-0.000 χ^2/NDF: 33788195.2/54



Right In: -1.551+/-0.000 χ^2/NDF: 208874729429.8/26

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.194+/-0.000 χ^2/NDF: 237517926510.2/31

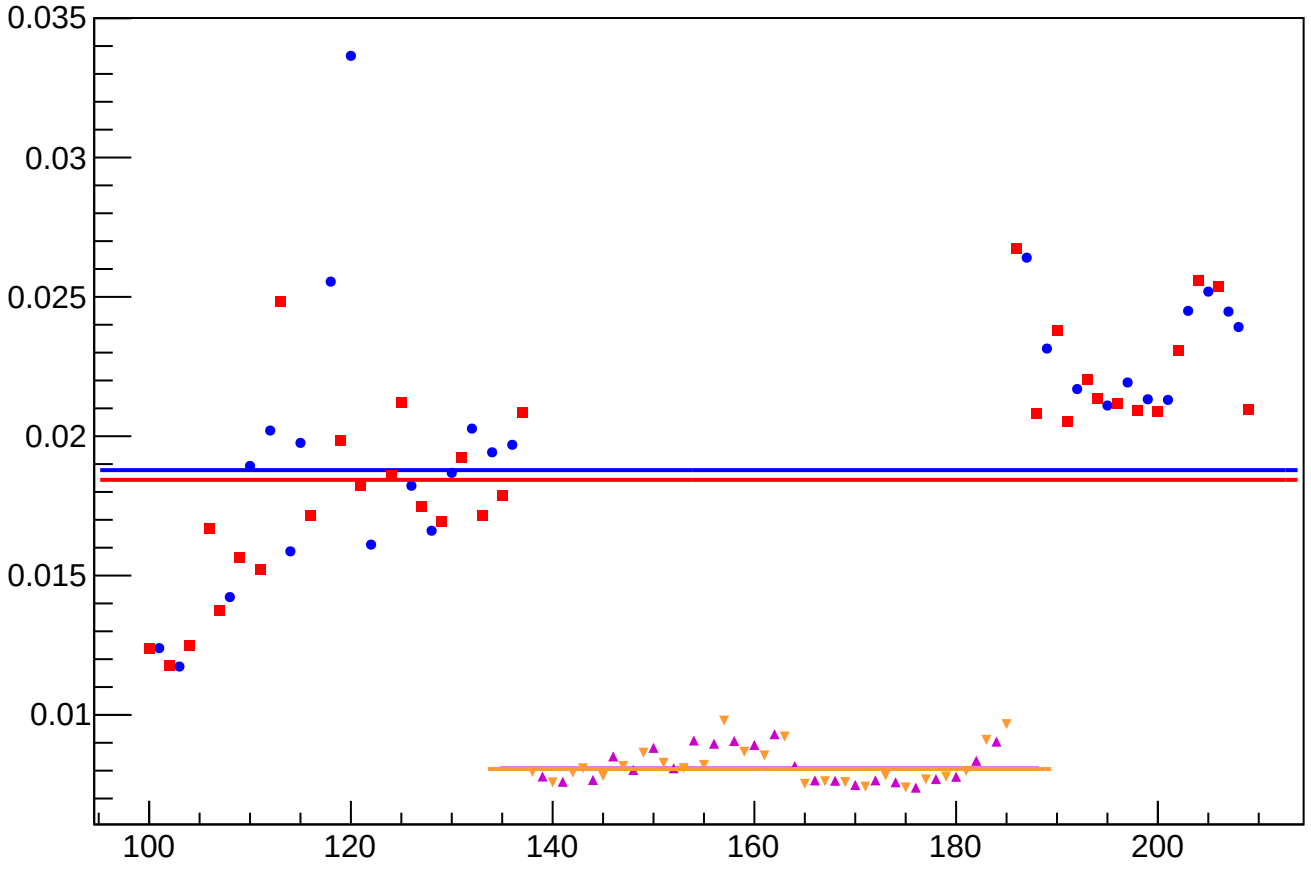
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.722+/-0.000 χ^2/NDF: 279577952807.0/51

All: -2.681+/-0.000 χ^2/NDF: 636465929292.0

- sign -2.639+/-0.000 χ^2/NDF: 355796365831.7/54

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1640130.7/26

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1529360.9/31

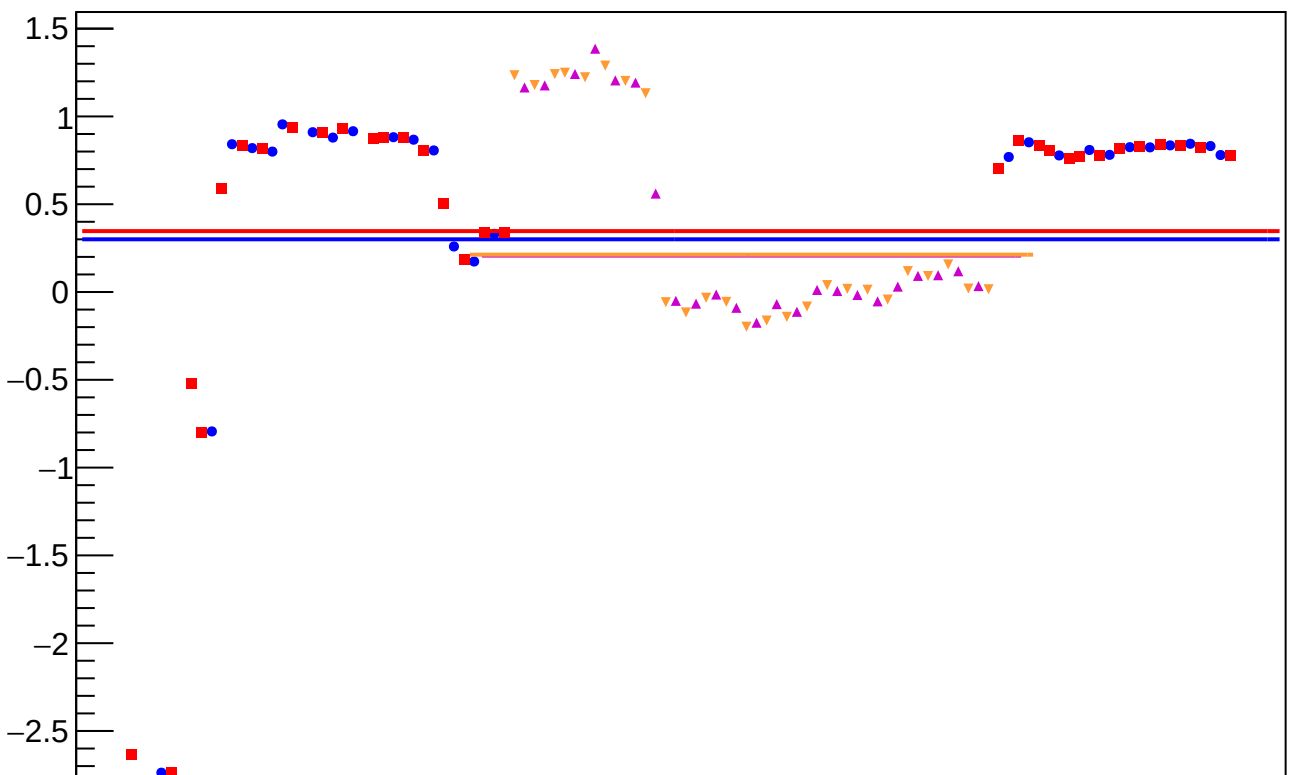
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 9649738.7/51

All: 0.009+/-0.000 χ^2/NDF: 19652002.8/106

- sign 0.010+/-0.000 χ^2/NDF: 9985777.2/54

yield_bpm0l04Y_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF: 961675950060.1/26

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.347+/-0.000 χ^2/NDF: 1052314972057.3/31

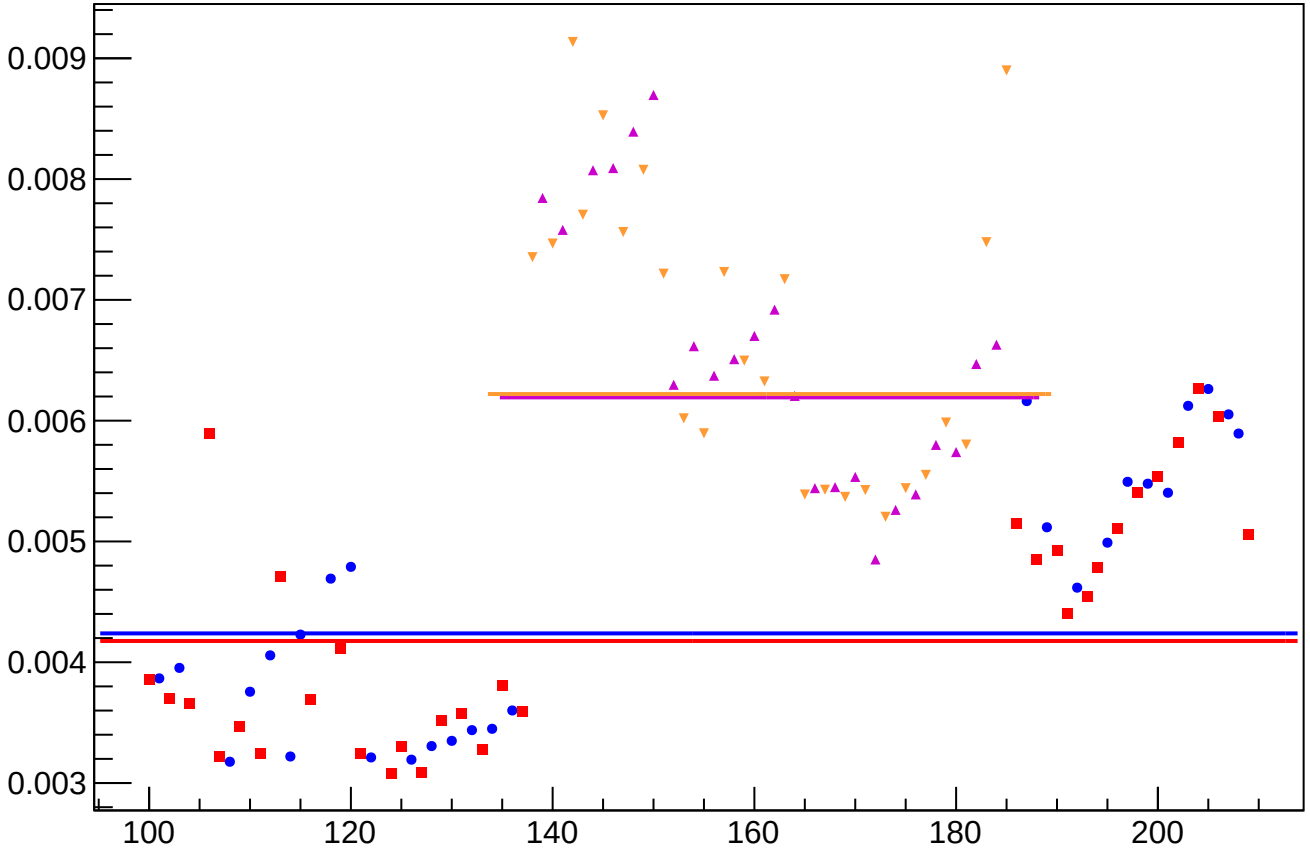
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.270+/-0.000 χ^2/NDF: 1066632948503.3/51

All: 0.287+/-0.000 χ^2/NDF: 2212295888637.

- sign 0.303+/-0.000 χ^2/NDF: 1144942952956.8/54

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1592143.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

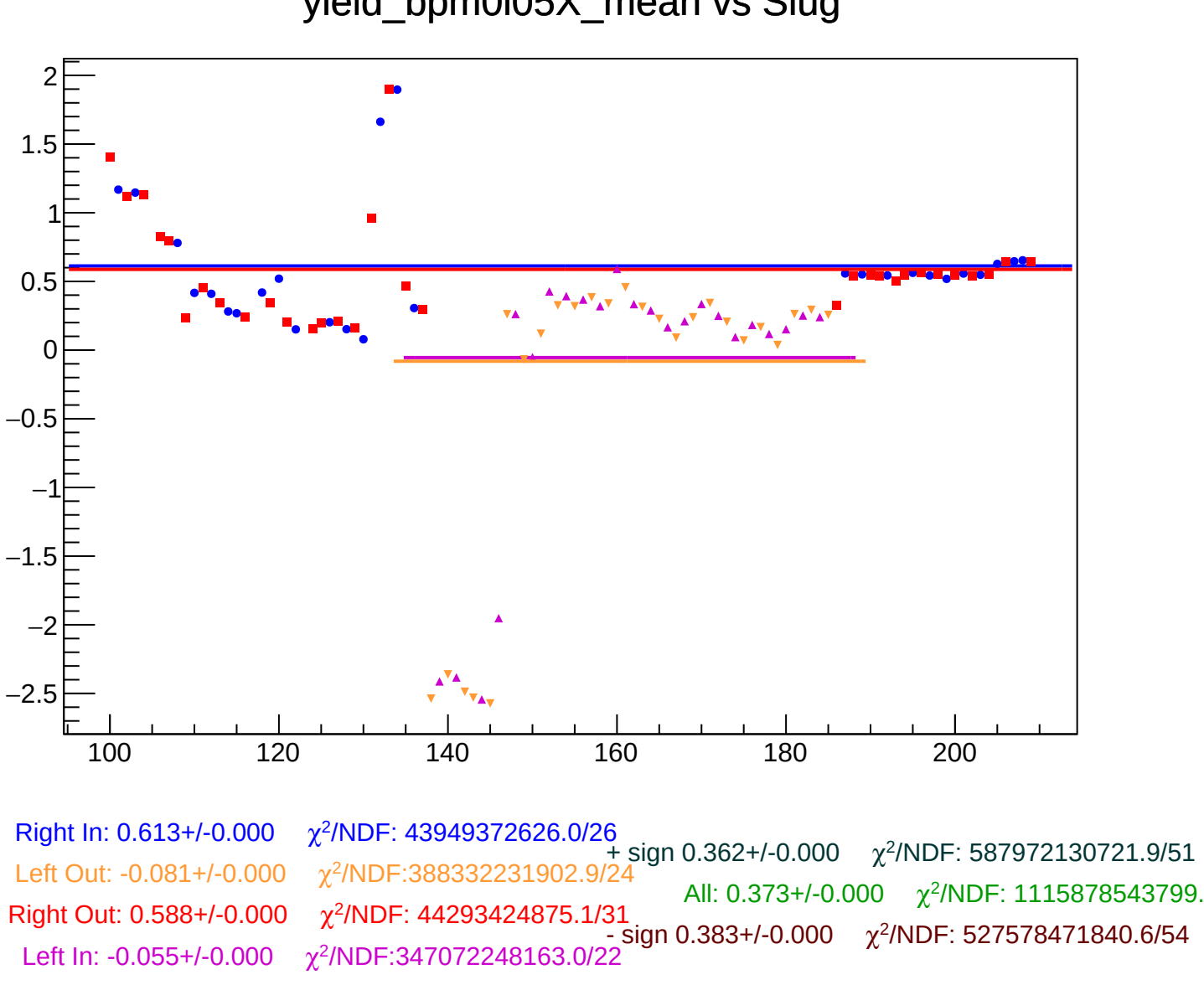
Right Out: 0.004+/-0.000 χ^2/NDF: 1584808.1/31

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

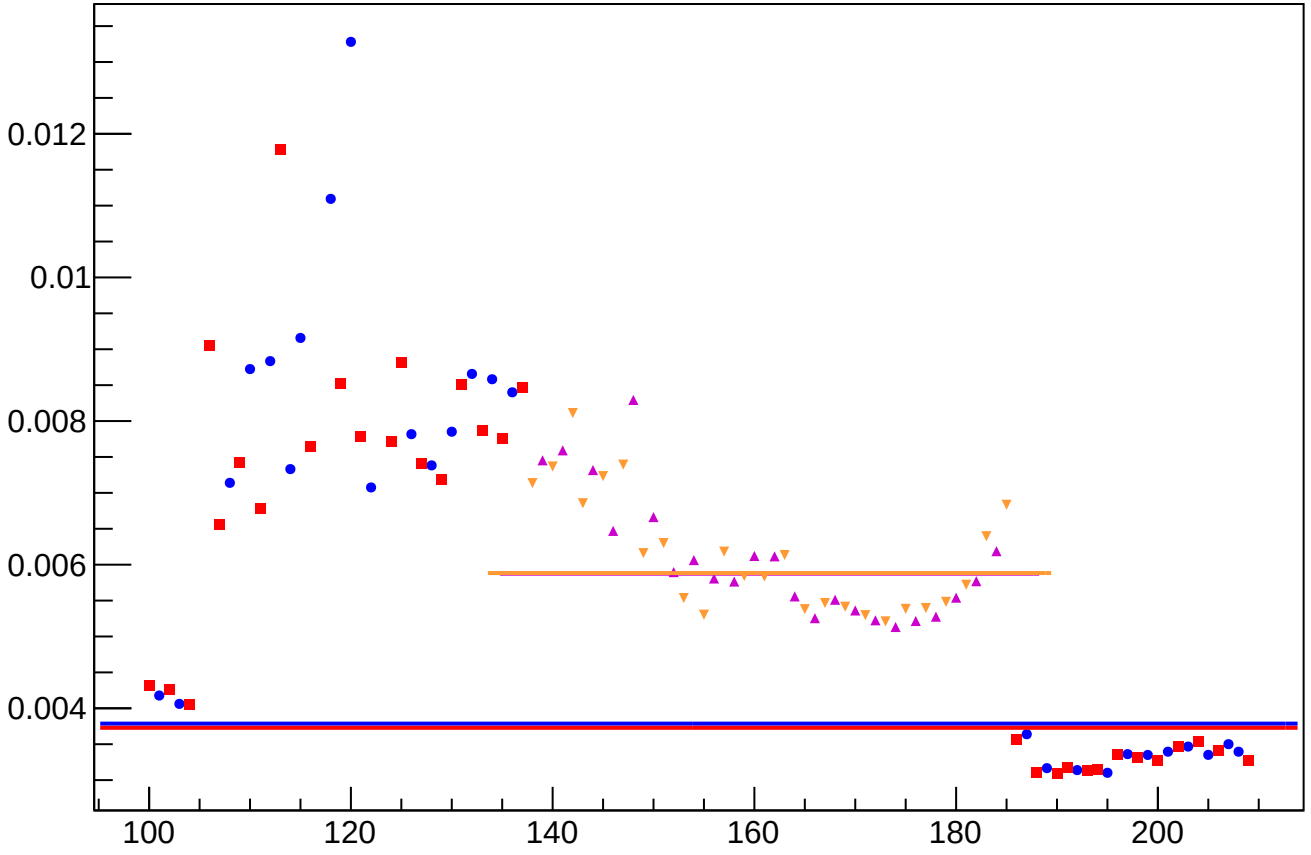
+ sign 0.005+/-0.000 χ^2/NDF: 4599515.0/51

All: 0.005+/-0.000 χ^2/NDF: 9327595.0/106

- sign 0.005+/-0.000 χ^2/NDF: 4707980.0/54


yield_bpm0l05X_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: 0.613+/-0.000 χ²/NDF: 43949372626.0/26
Left Out: -0.081+/-0.000 χ²/NDF:388332231902.9/24
Right Out: 0.588+/-0.000 χ²/NDF: 44293424875.1/31
Left In: -0.055+/-0.000 χ²/NDF:347072248163.0/22
+ sign 0.362+/-0.000 χ²/NDF: 587972130721.9/51
All: 0.373+/-0.000 χ²/NDF: 1115878543799.
- sign 0.383+/-0.000 χ²/NDF: 527578471840.6/54

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3467631.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3462841.2/31

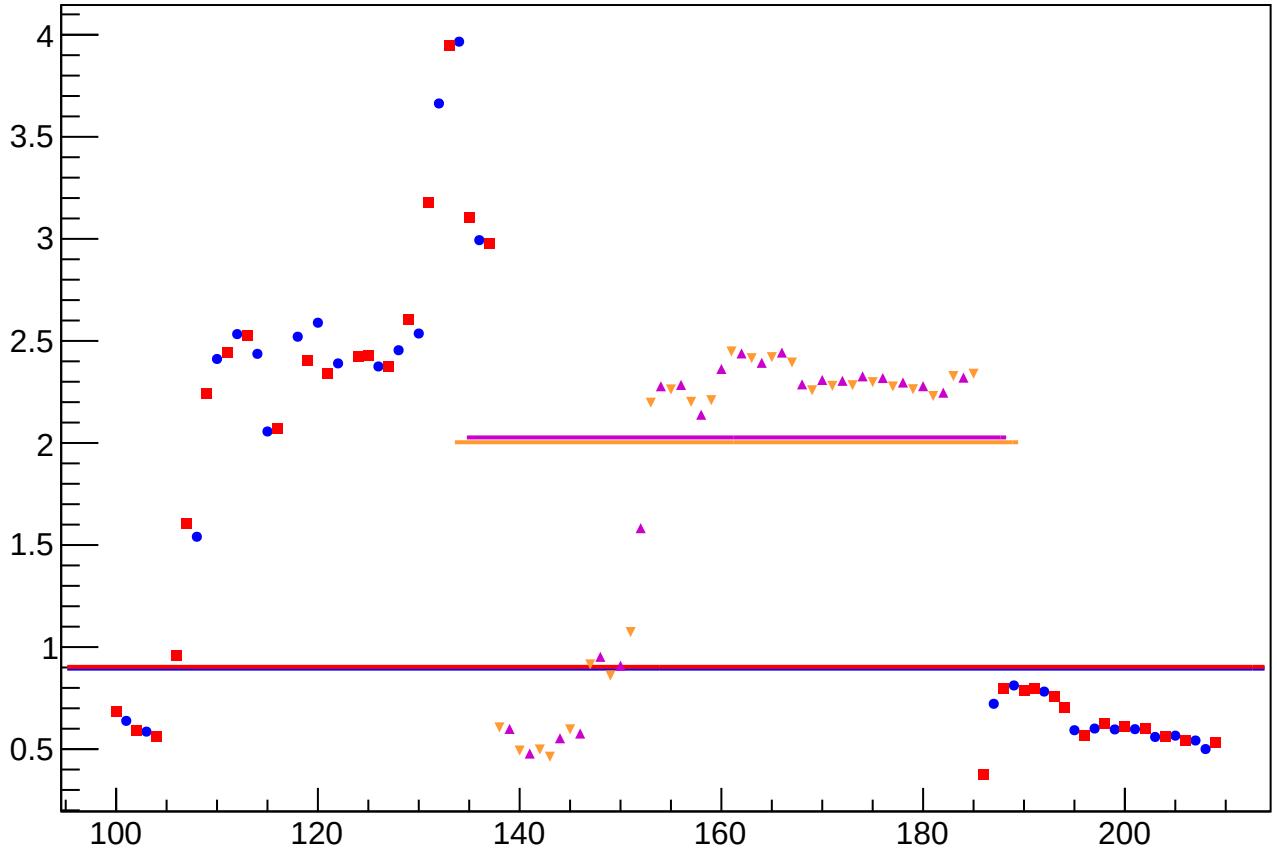
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6770697.1/51

All: 0.004+/-0.000 χ^2/NDF: 13823604.5/106

- sign 0.004+/-0.000 χ^2/NDF: 7027429.9/54

yield_bpm0l05Y_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF: 241772867723.6/26

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.903+/-0.000 χ^2/NDF: 271996067930.6/31

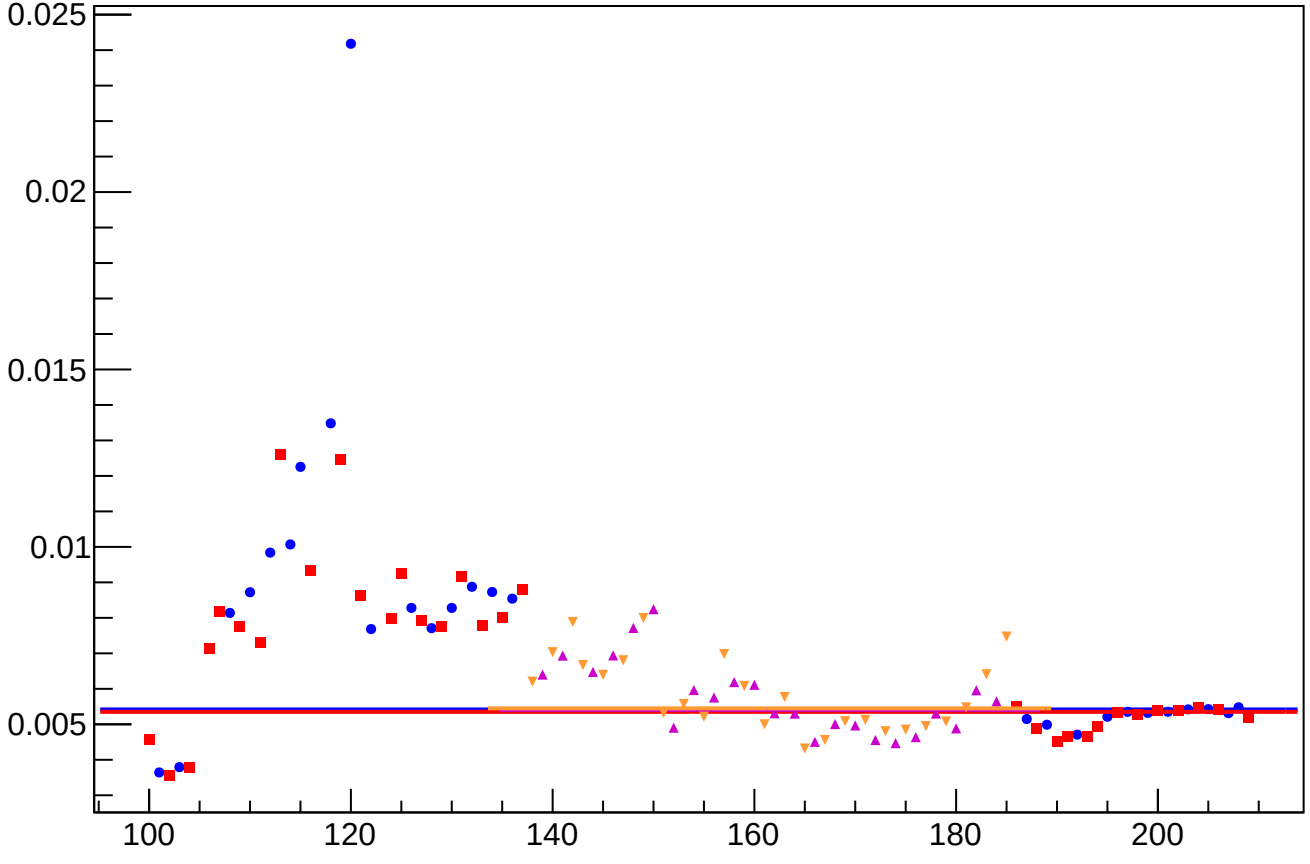
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.504+/-0.000 χ^2/NDF: 766521653339.1/51

All: 1.487+/-0.000 χ^2/NDF: 1565501304914.

- sign 1.471+/-0.000 χ^2/NDF: 798433400445.1/54

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2308091.8/26

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

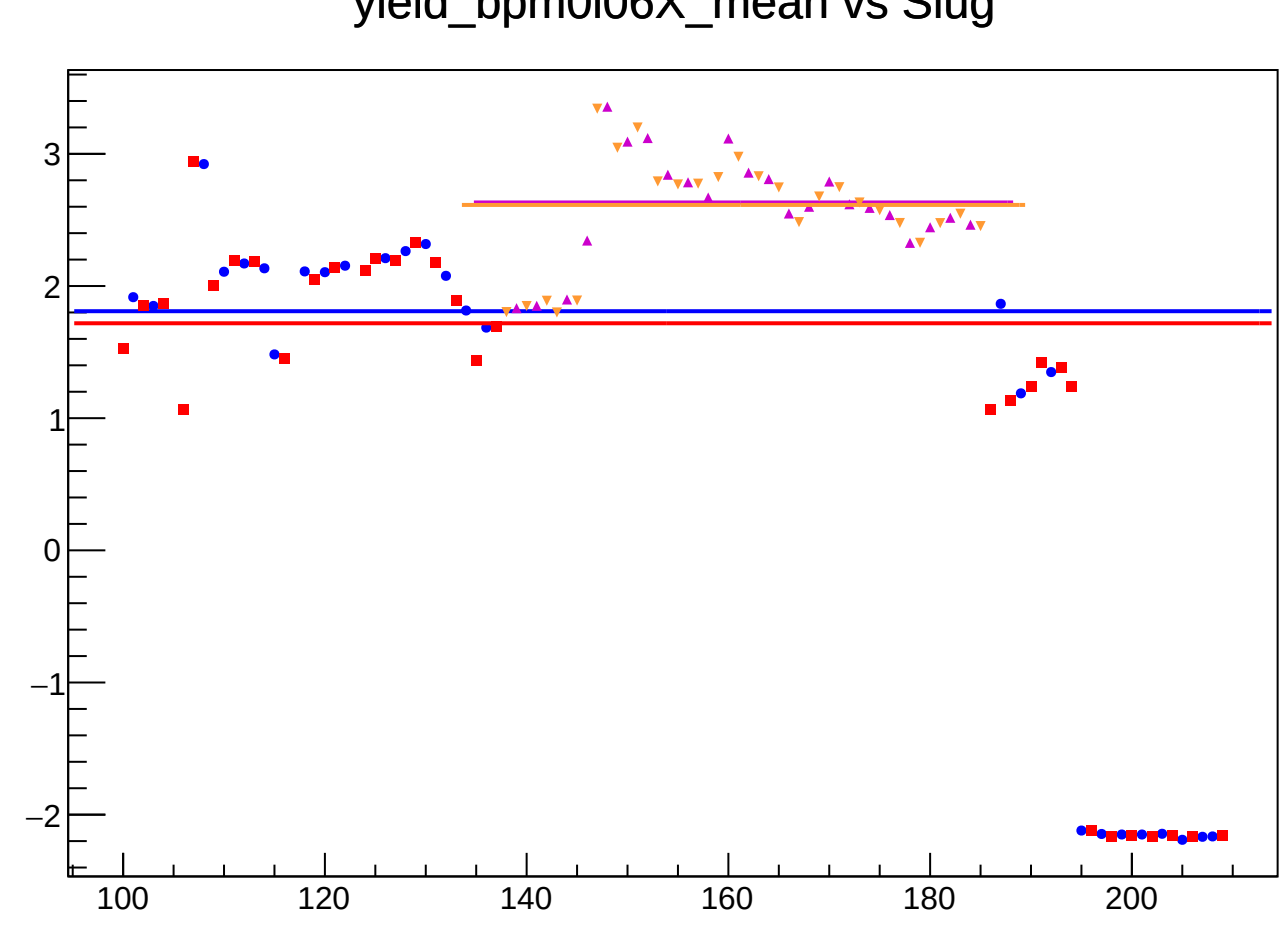
Right Out: 0.005+/-0.000 χ^2/NDF: 2127146.4/31

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3079971.9/51

All: 0.005+/-0.000 χ^2/NDF: 6027007.9/106

- sign 0.005+/-0.000 χ^2/NDF: 2943756.6/54



Right In: 1.809+/-0.000 χ^2/NDF: 169385547043.4/26

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.718+/-0.000 χ^2/NDF: 160481792520.5/31

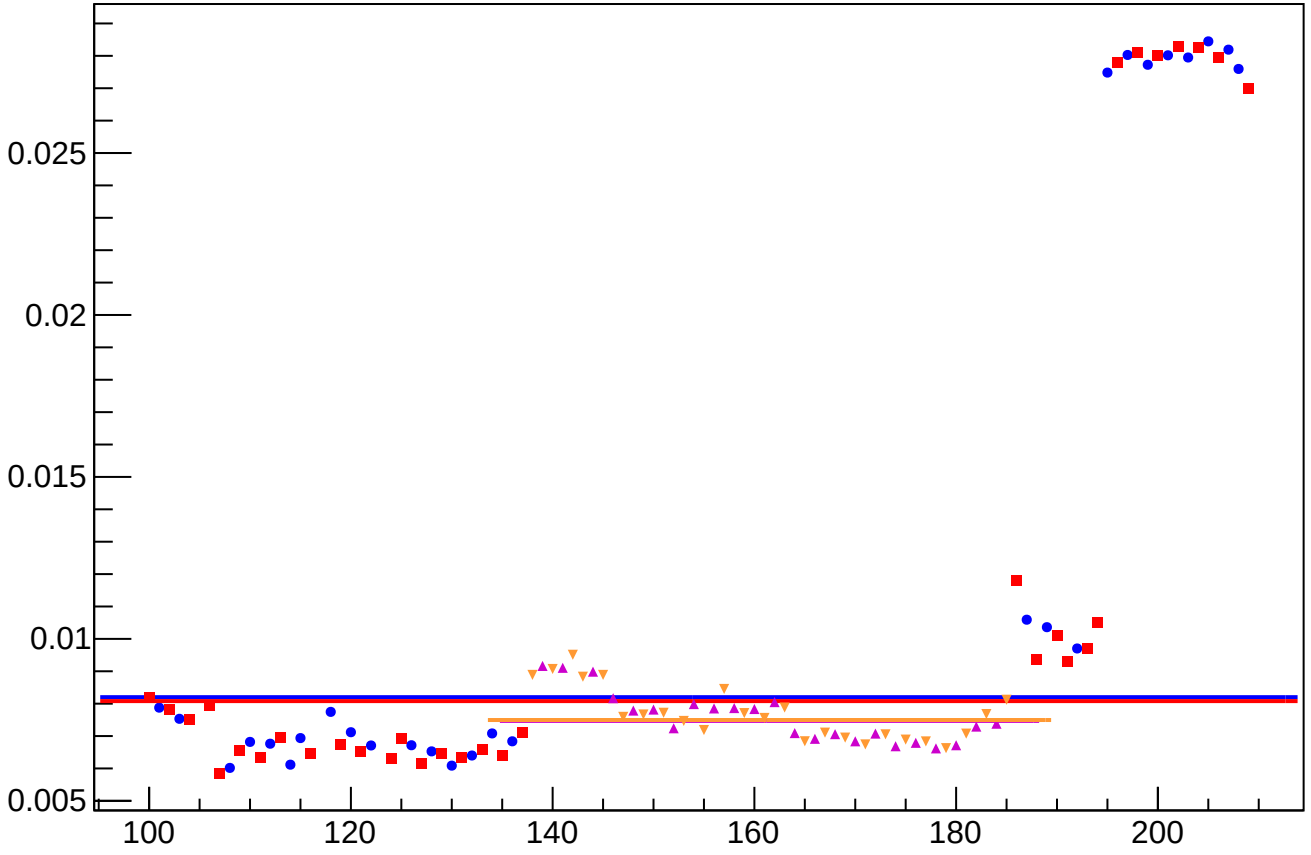
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.334+/-0.000 χ^2/NDF: 288387280250.6/51

All: 2.302+/-0.000 χ^2/NDF: 592640236780.0

- sign 2.272+/-0.000 χ^2/NDF: 303277613458.3/54

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 7648720.5/26

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7186171.2/31

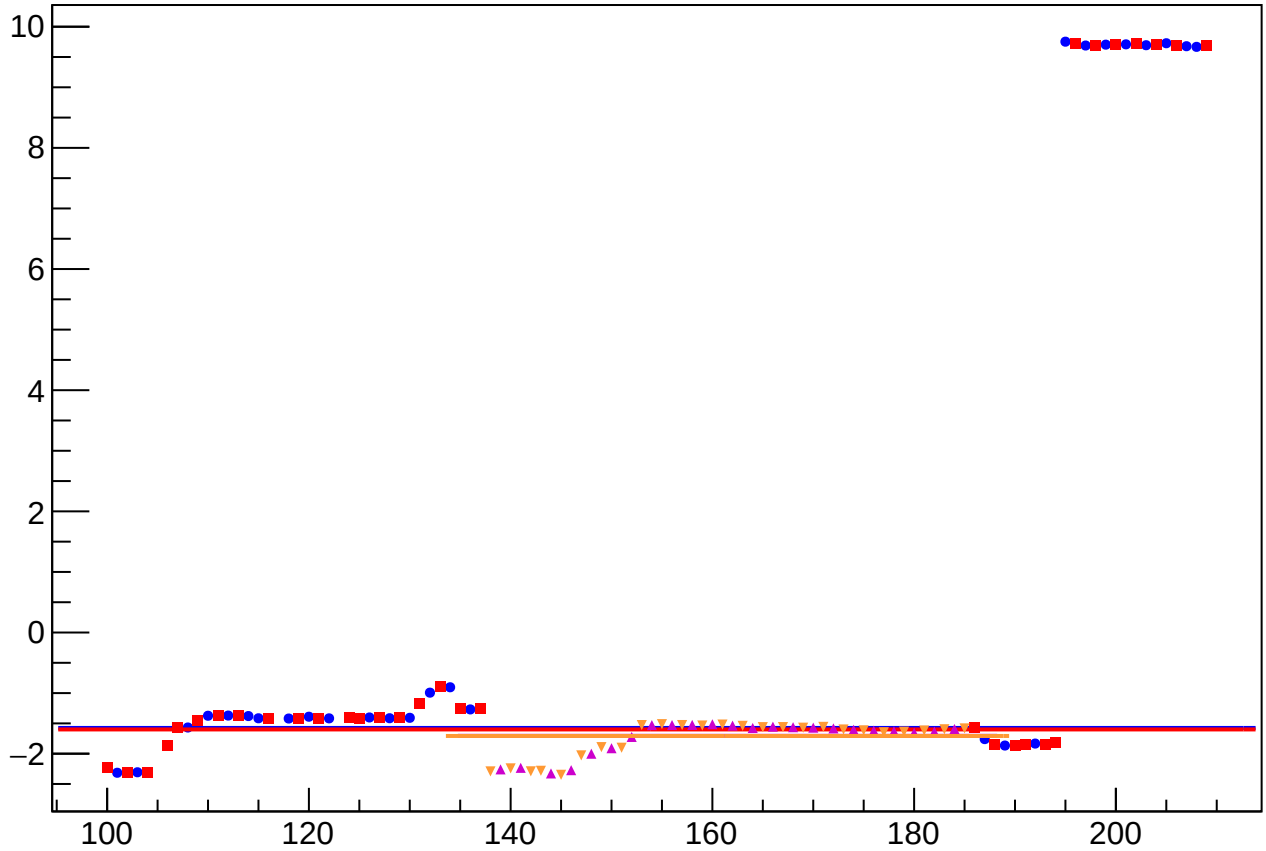
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 8093227.2/51

All: 0.008+/-0.000 χ^2/NDF: 15693338.0/106

- sign 0.008+/-0.000 χ^2/NDF: 7599605.7/54

yield_bpm0l06Y_mean vs Slug



Right In: -1.575+/-0.000 χ^2/NDF: 419971059038.9/26

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.600+/-0.000 χ^2/NDF: 404275721954.6/31

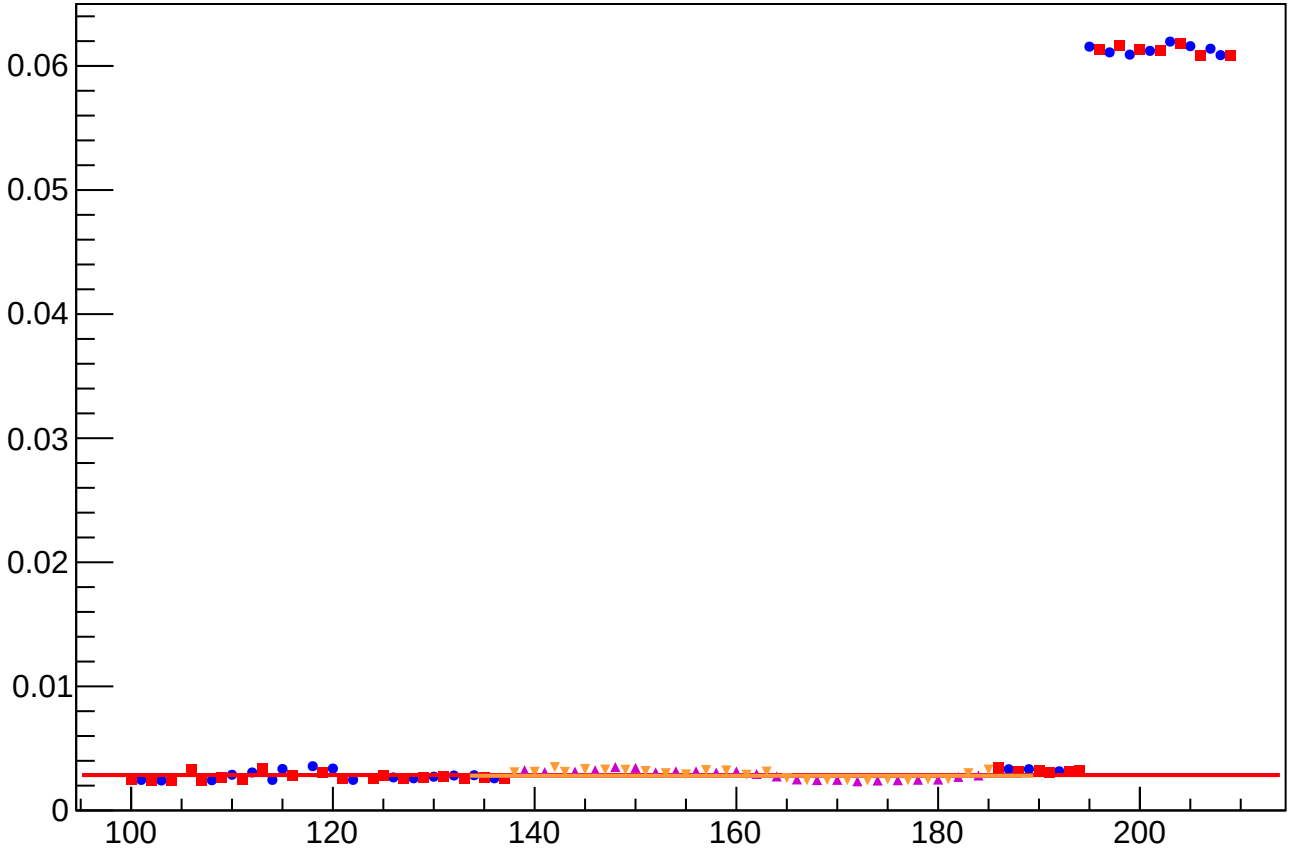
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.665+/-0.000 χ^2/NDF: 584803272773.3/51

All: -1.665+/-0.000 χ^2/NDF: 1134851375705

- sign -1.666+/-0.000 χ^2/NDF: 550046697456.8/54

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 12817416.0/26

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11463777.1/31

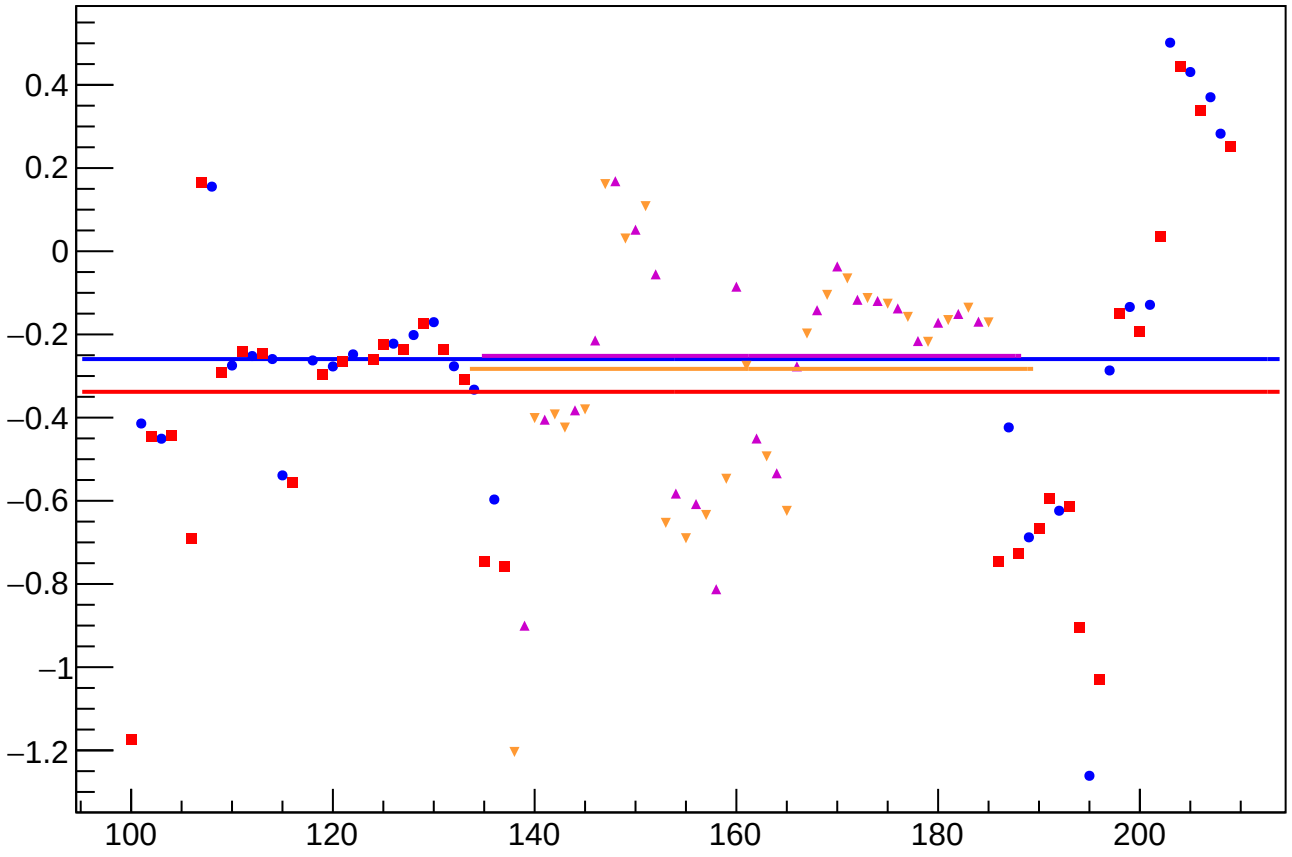
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 13370161.5/51

All: 0.003+/-0.000 χ^2/NDF: 25398632.5/106

- sign 0.003+/-0.000 χ^2/NDF: 12028353.3/54

yield_bpm0l07X_mean vs Slug



Right In: -0.259+/-0.000 χ^2/NDF: 9149729416.3/26

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.338+/-0.000 χ^2/NDF: 9795101030.0/31

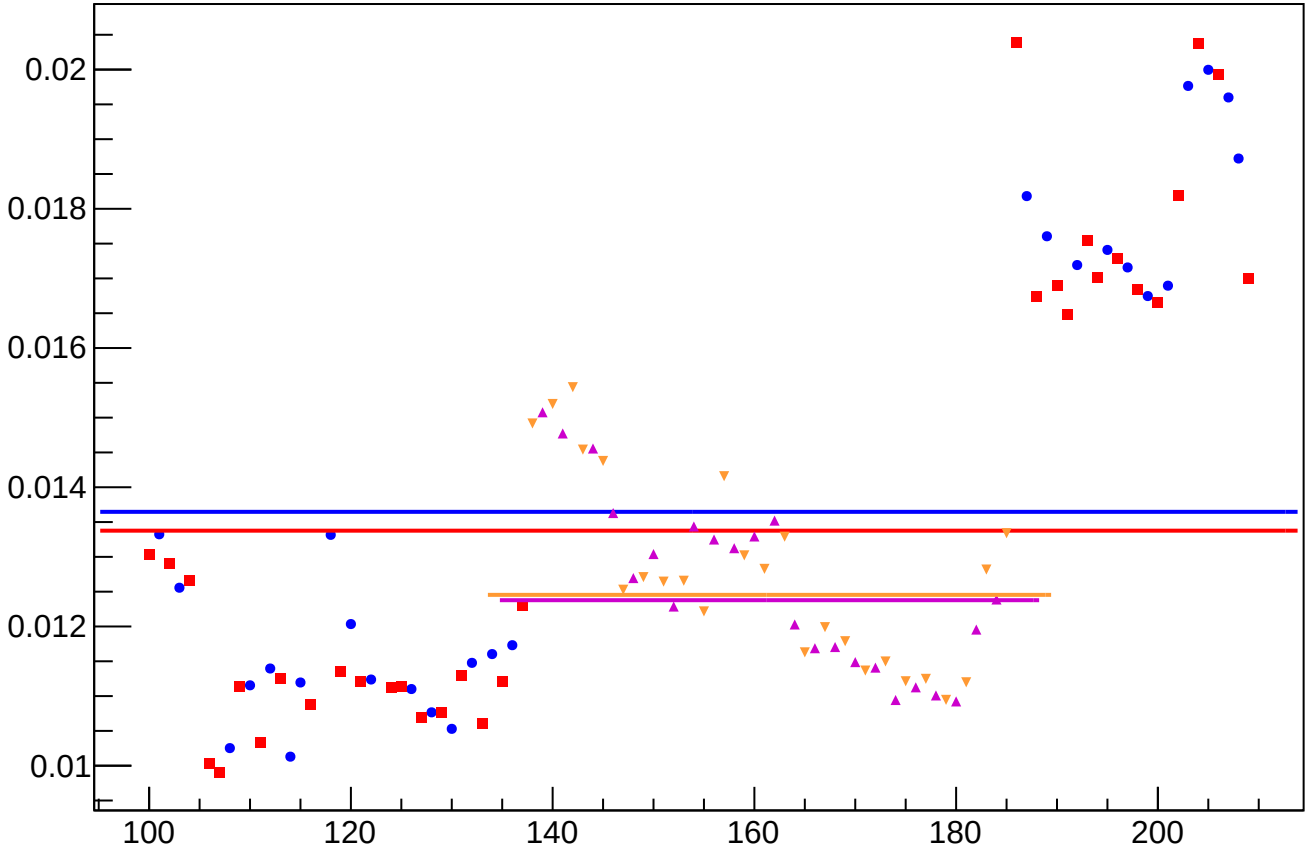
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.273+/-0.000 χ^2/NDF: 18519251693.7/51

All: -0.282+/-0.000 χ^2/NDF: 35879389103.2/

- sign -0.290+/-0.000 χ^2/NDF: 17334077902.3/54

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1584695.7/26

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1843534.2/31

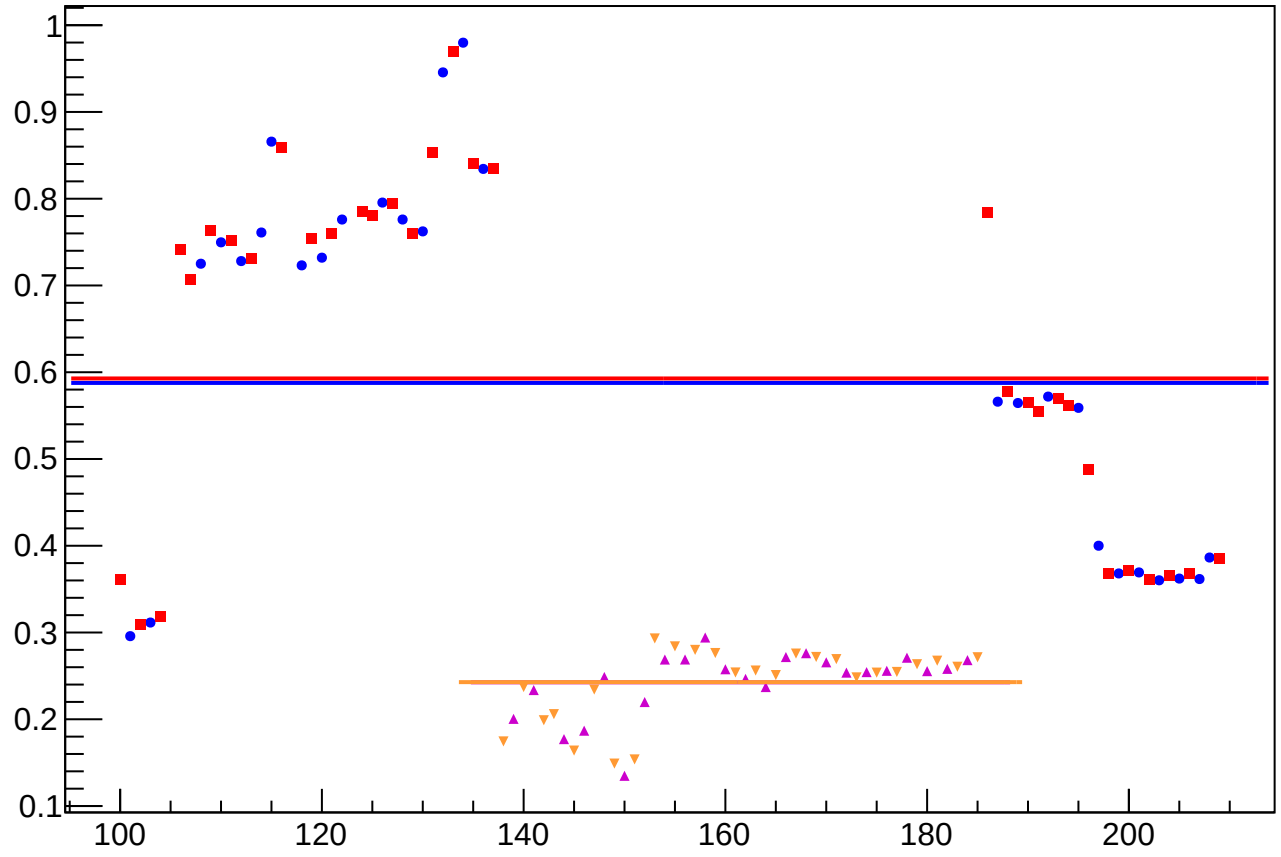
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 2059453.2/51

All: 0.013+/-0.000 χ^2/NDF: 4331708.7/106

- sign 0.013+/-0.000 χ^2/NDF: 2269776.0/54

yield_bpm0l07Y_mean vs Slug



Right In: 0.588+/-0.000 χ^2/NDF: 93508214211.8/26

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.593+/-0.000 χ^2/NDF: 90091033750.6/31

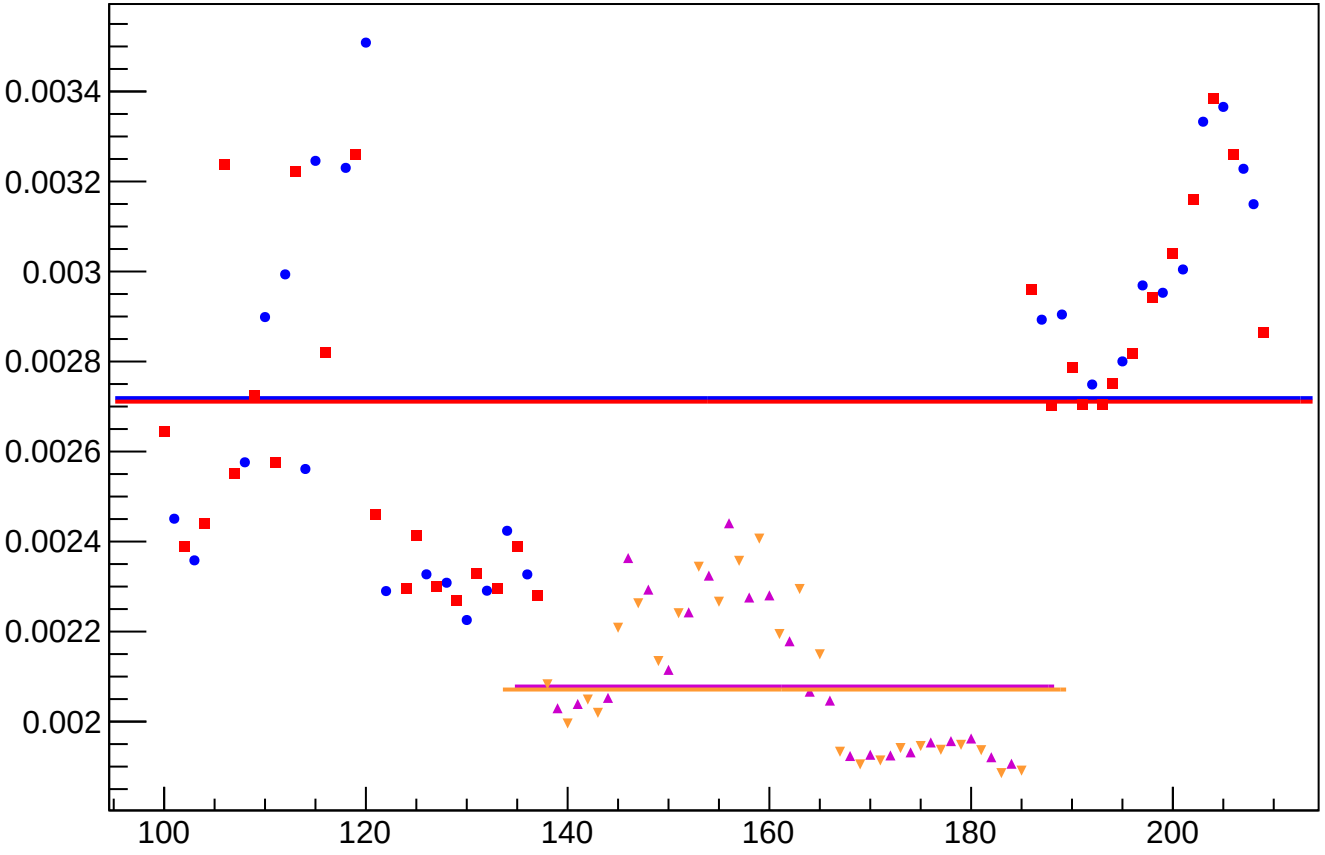
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.351+/-0.000 χ^2/NDF: 266685312287.1/51

All: 0.358+/-0.000 χ^2/NDF: 542272904220.4

- sign 0.365+/-0.000 χ^2/NDF: 274978508825.6/54

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 581273.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 476838.8/31

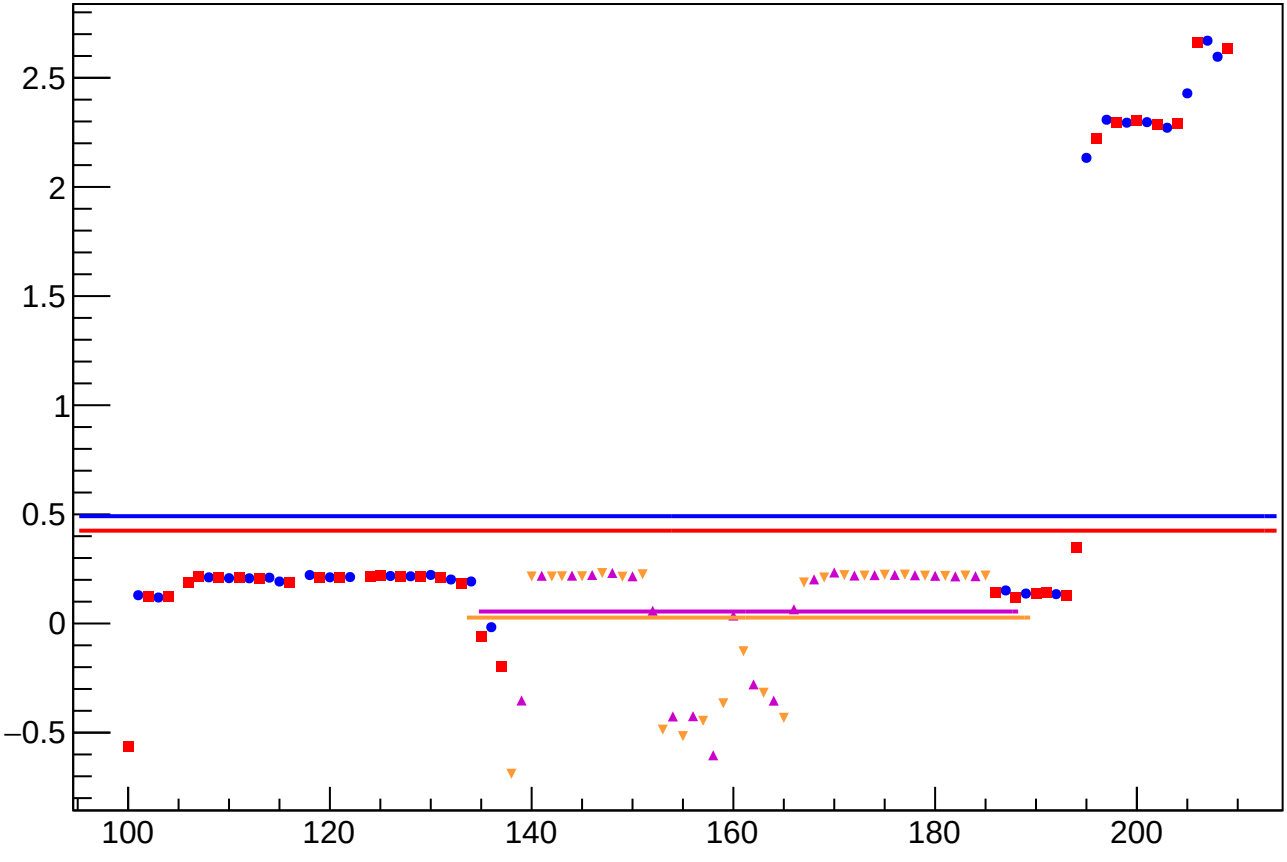
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1984381.9/51

All: 0.002+/-0.000 χ^2/NDF: 3846754.8/106

- sign 0.002+/-0.000 χ^2/NDF: 1858555.1/54

yield_bpm0l08X_mean vs Slug



Right In: 0.492+/-0.000 χ^2/NDF: 55251697344.2/26

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.425+/-0.000 χ^2/NDF: 54162265837.4/31

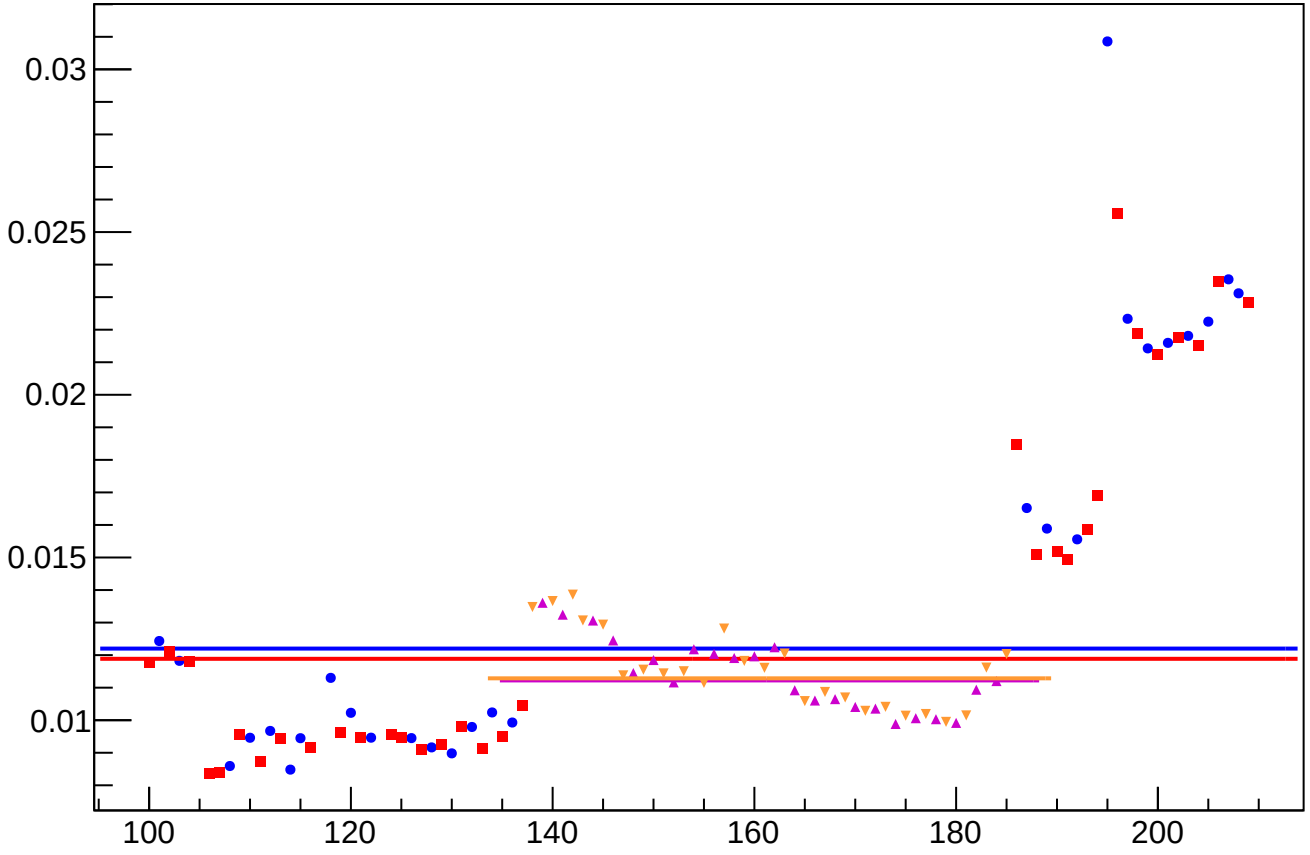
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.206+/-0.000 χ^2/NDF: 80159083252.2/51

All: 0.210+/-0.000 χ^2/NDF: 152195299258.7

- sign 0.215+/-0.000 χ^2/NDF: 72026506647.2/54

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 4170927.6/26

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

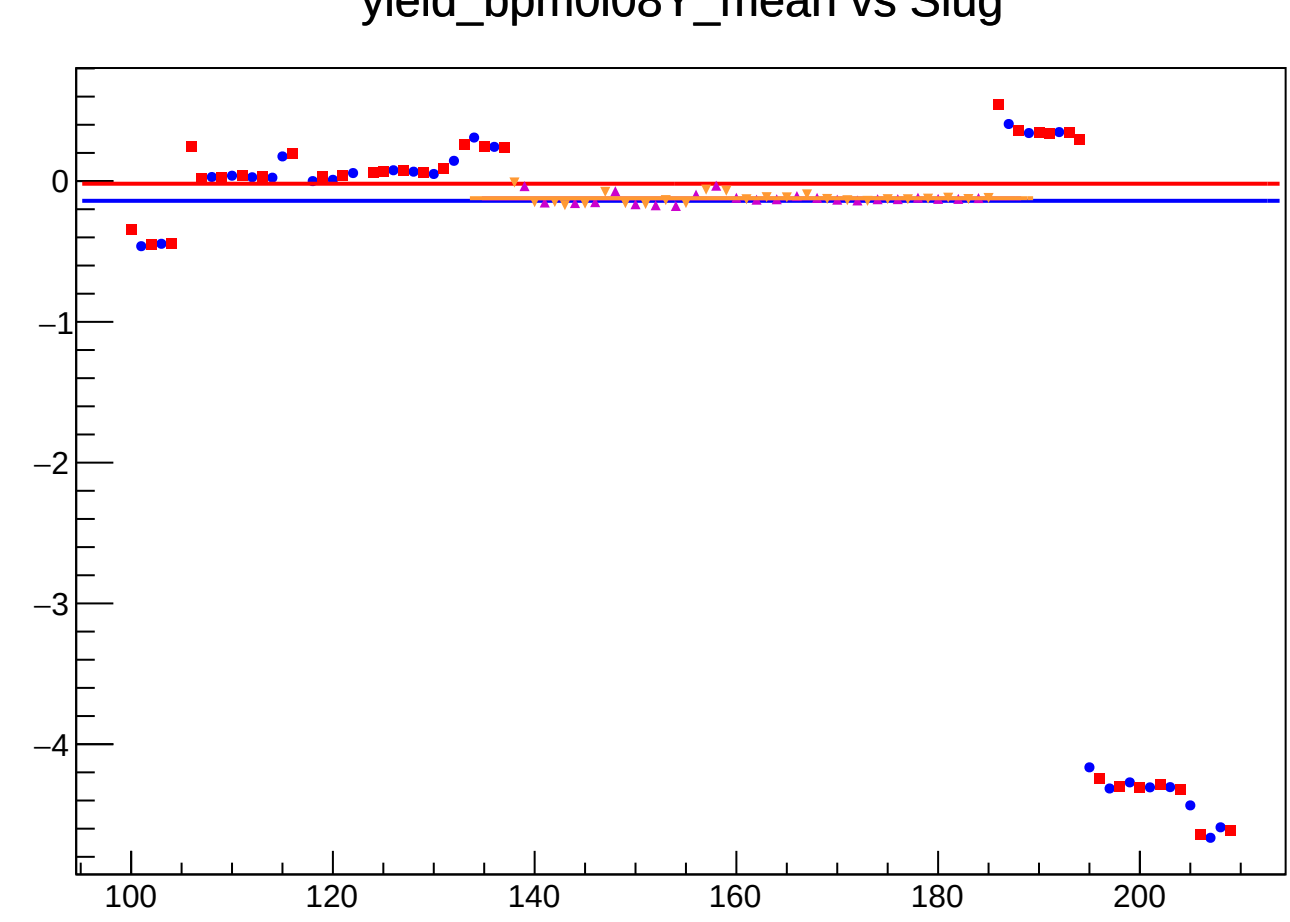
Right Out: 0.012+/-0.000 χ^2/NDF: 4203699.0/31

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 4591600.7/51

All: 0.012+/-0.000 χ^2/NDF: 9166910.4/106

- sign 0.012+/-0.000 χ^2/NDF: 4571346.9/54



Right In: -0.140+/-0.000 χ^2/NDF: 391320685643.5/26

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: -0.019+/-0.000 χ^2/NDF: 390057163893.5/31

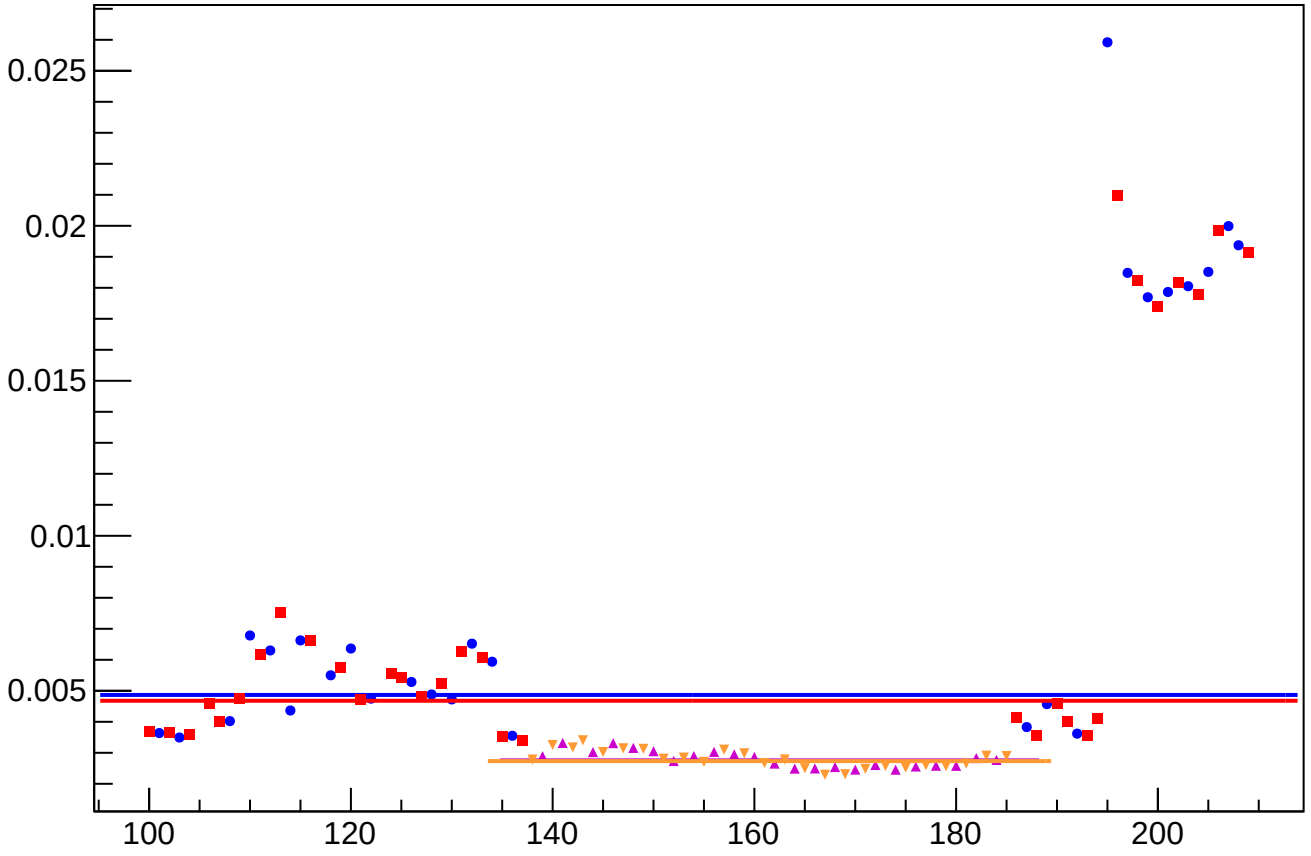
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.125+/-0.000 χ^2/NDF: 394371403641.7/51

All: -0.114+/-0.000 χ^2/NDF: 792809191273.8

- sign -0.103+/-0.000 χ^2/NDF: 397779512677.2/54

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 8750456.1/26

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7974206.2/31

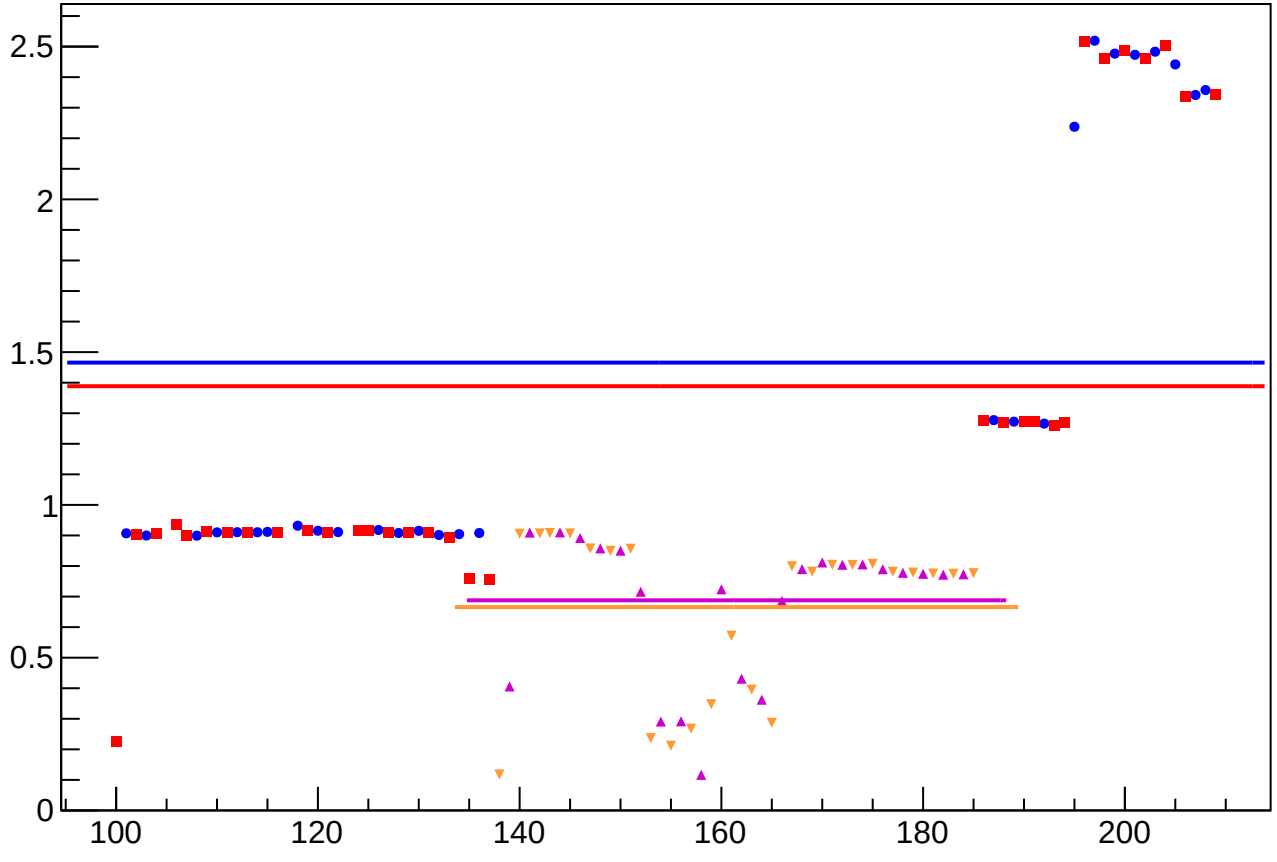
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 12572540.4/51

All: 0.003+/-0.000 χ^2/NDF: 24160850.6/106

- sign 0.003+/-0.000 χ^2/NDF: 11573314.4/54

yield_bpm0l09X_mean vs Slug



Right In: 1.466+/-0.000 χ^2/NDF: 49733904752.9/26

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.388+/-0.000 χ^2/NDF: 51350704620.4/31

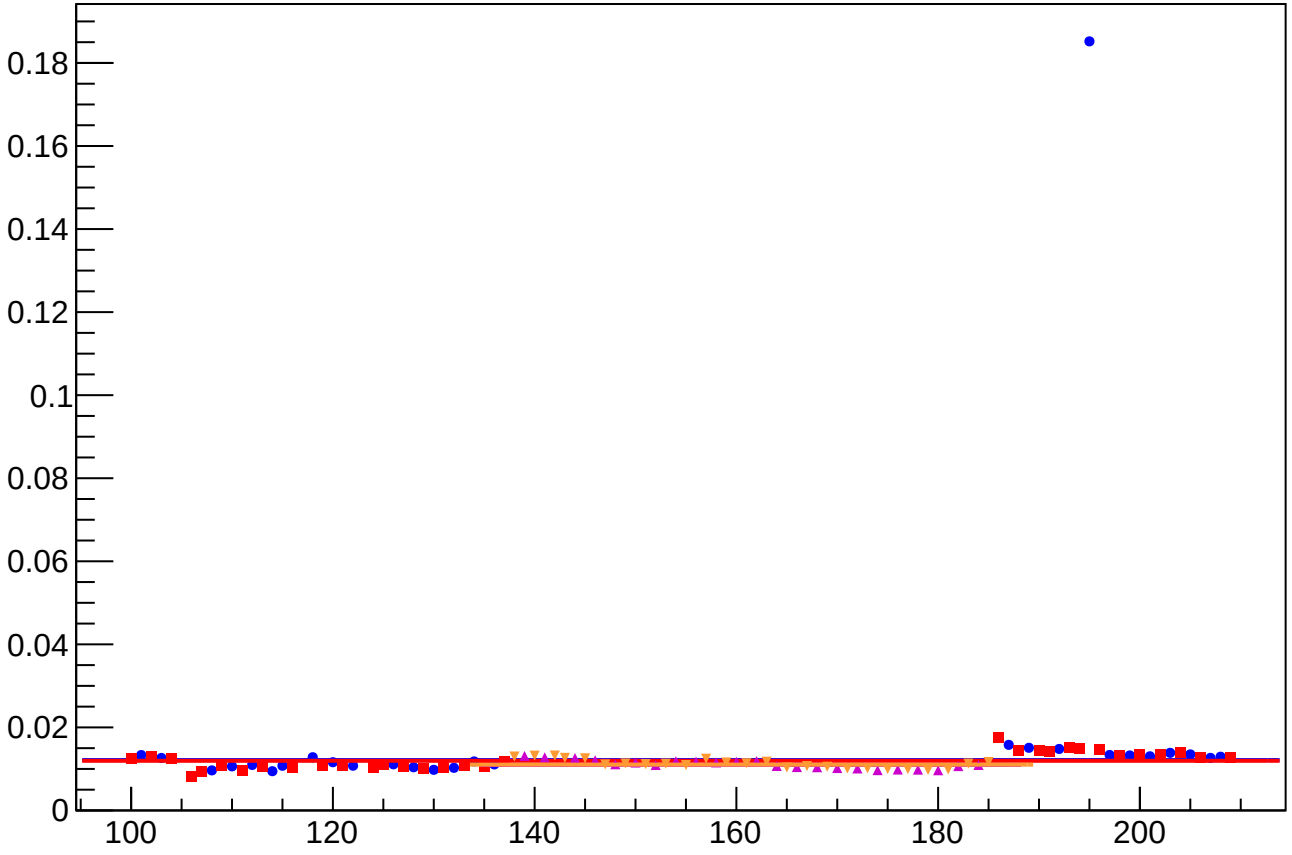
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.979+/-0.000 χ^2/NDF: 96917224658.7/51

All: 0.985+/-0.000 χ^2/NDF: 186184231952.6

- sign 0.992+/-0.000 χ^2/NDF: 89247056203.6/54

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2006658.9/26

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 792133.1/31

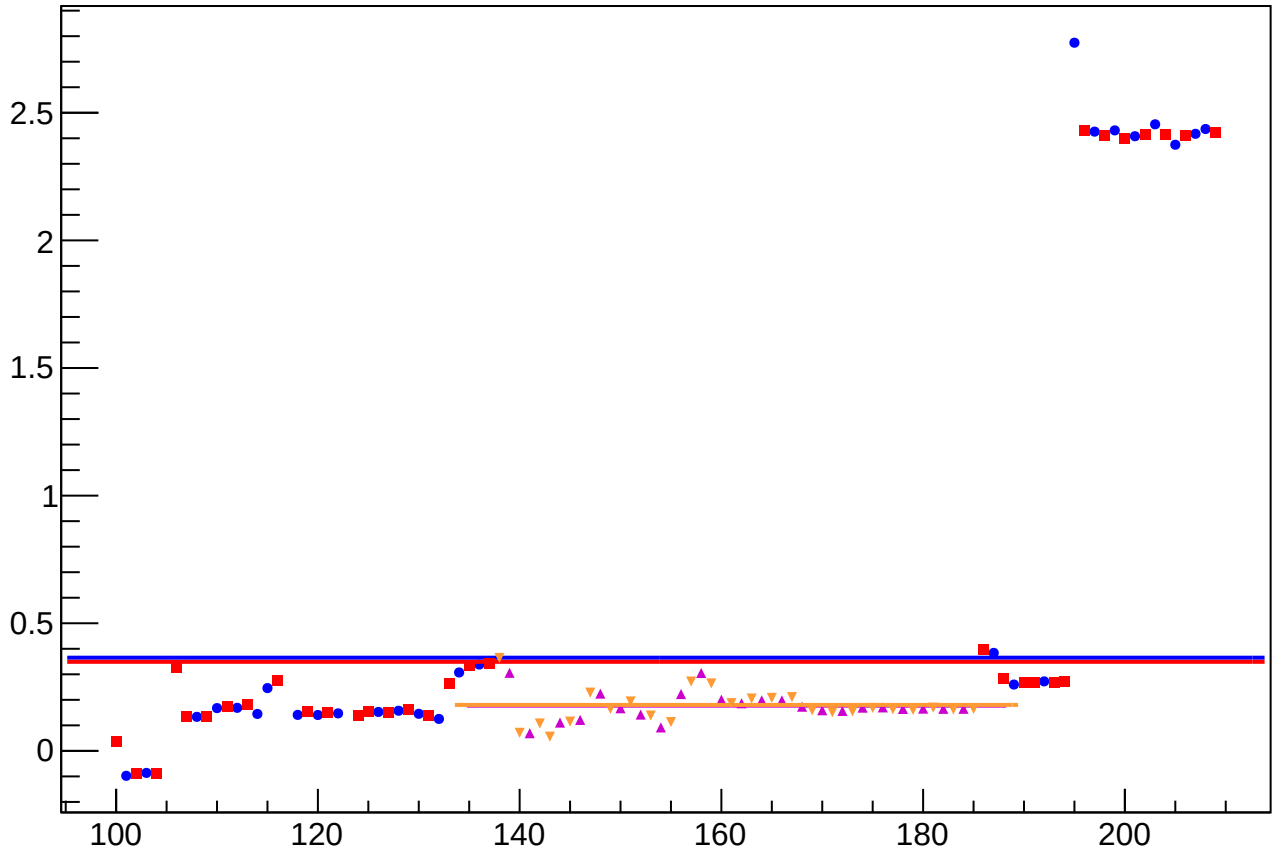
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2449793.6/51

All: 0.011+/-0.000 χ^2/NDF: 3655584.1/106

- sign 0.011+/-0.000 χ^2/NDF: 1204794.0/54

yield_bpm0l09Y_mean vs Slug



Right In: 0.365+/-0.000 χ^2/NDF: 175854787908.4/26

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.349+/-0.000 χ^2/NDF: 163333124760.0/31

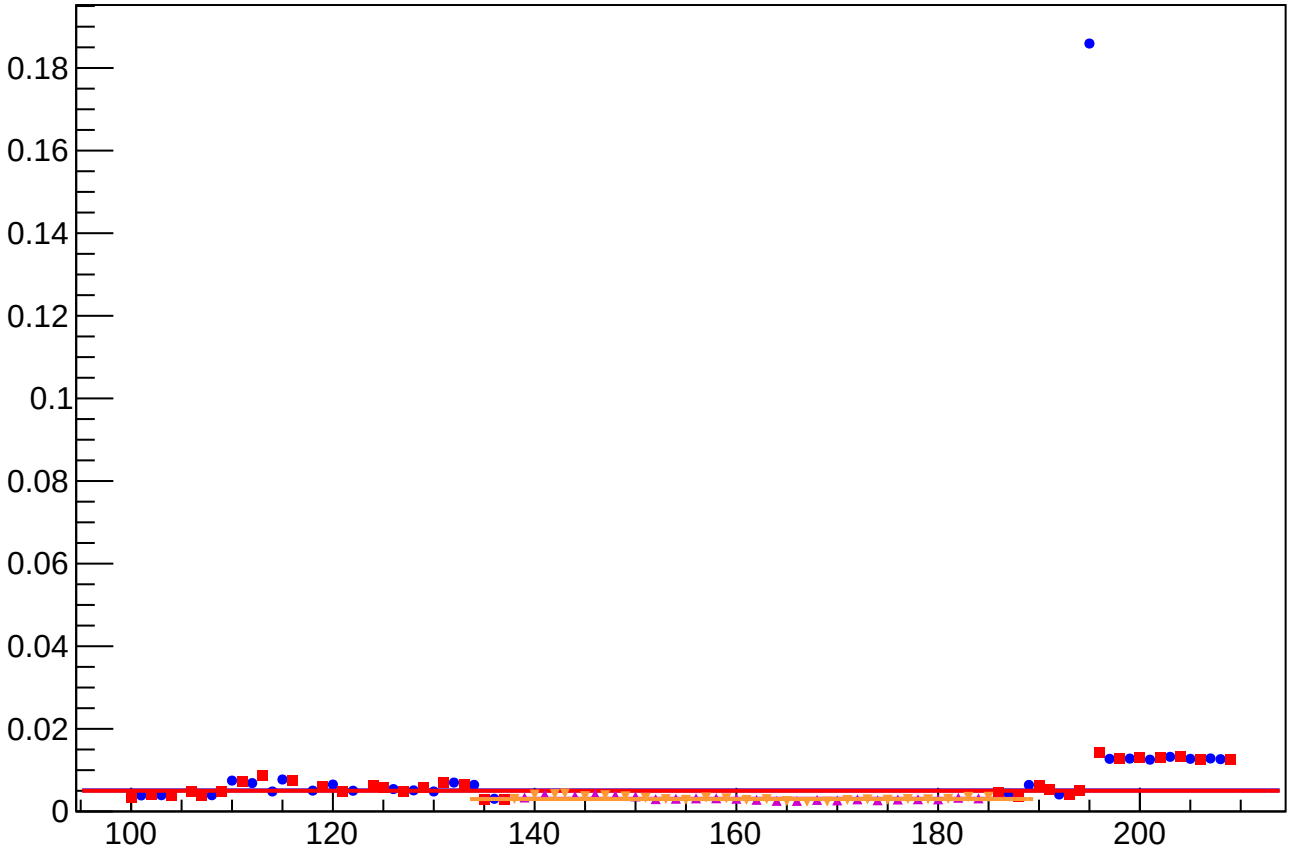
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.213+/-0.000 χ^2/NDF: 194093918057.3/51

All: 0.214+/-0.000 χ^2/NDF: 373406824853.0

- sign 0.214+/-0.000 χ^2/NDF: 179308776345.8/54

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7331137.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5868703.7/31

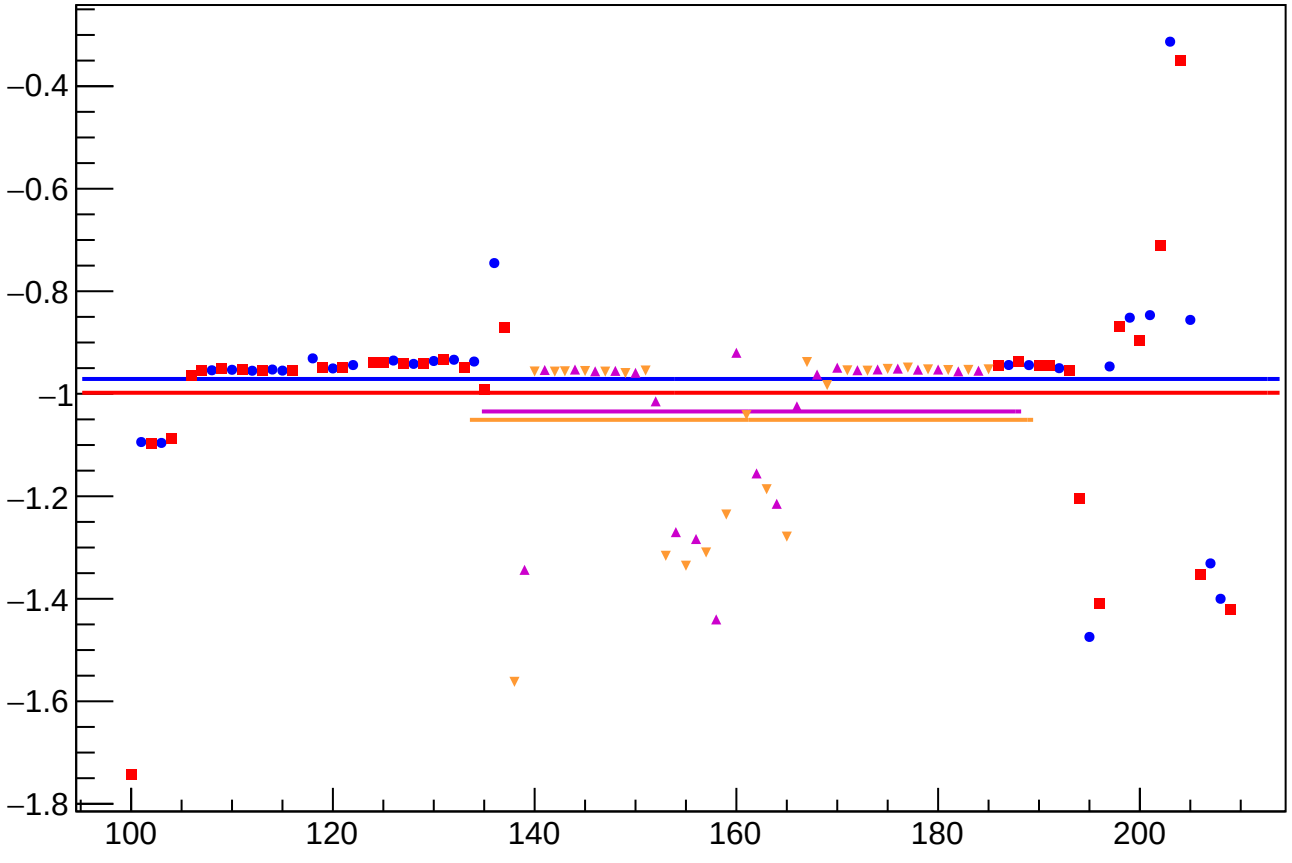
Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 11239266.2/51

All: 0.003+/-0.000 χ^2/NDF: 20619758.0/106

- sign 0.003+/-0.000 χ^2/NDF: 9344768.3/54

yield_bpm0l10X_mean vs Slug



Right In: -0.971+/-0.000 χ^2/NDF: 4883962735.9/26

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

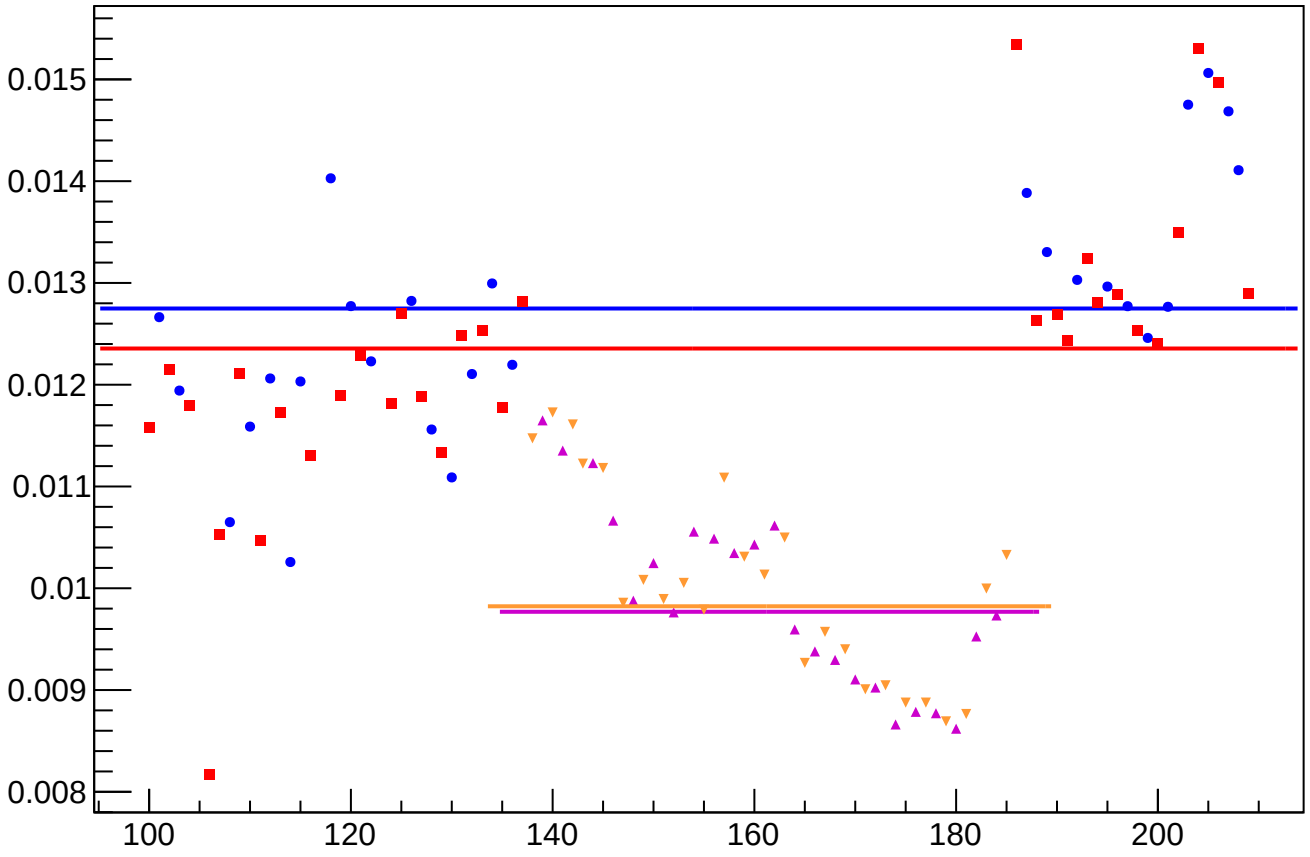
Right Out: -0.998+/-0.000 χ^2/NDF: 5025190666.5/31

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.025+/-0.000 χ^2/NDF: 10364437696.6/51

All: -1.023+/-0.000 χ^2/NDF: 19408322413.2/

- sign -1.021+/-0.000 χ^2/NDF: 9041789921.4/54



Right In: 0.013+/-0.000 χ^2/NDF: 230017.1/26

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

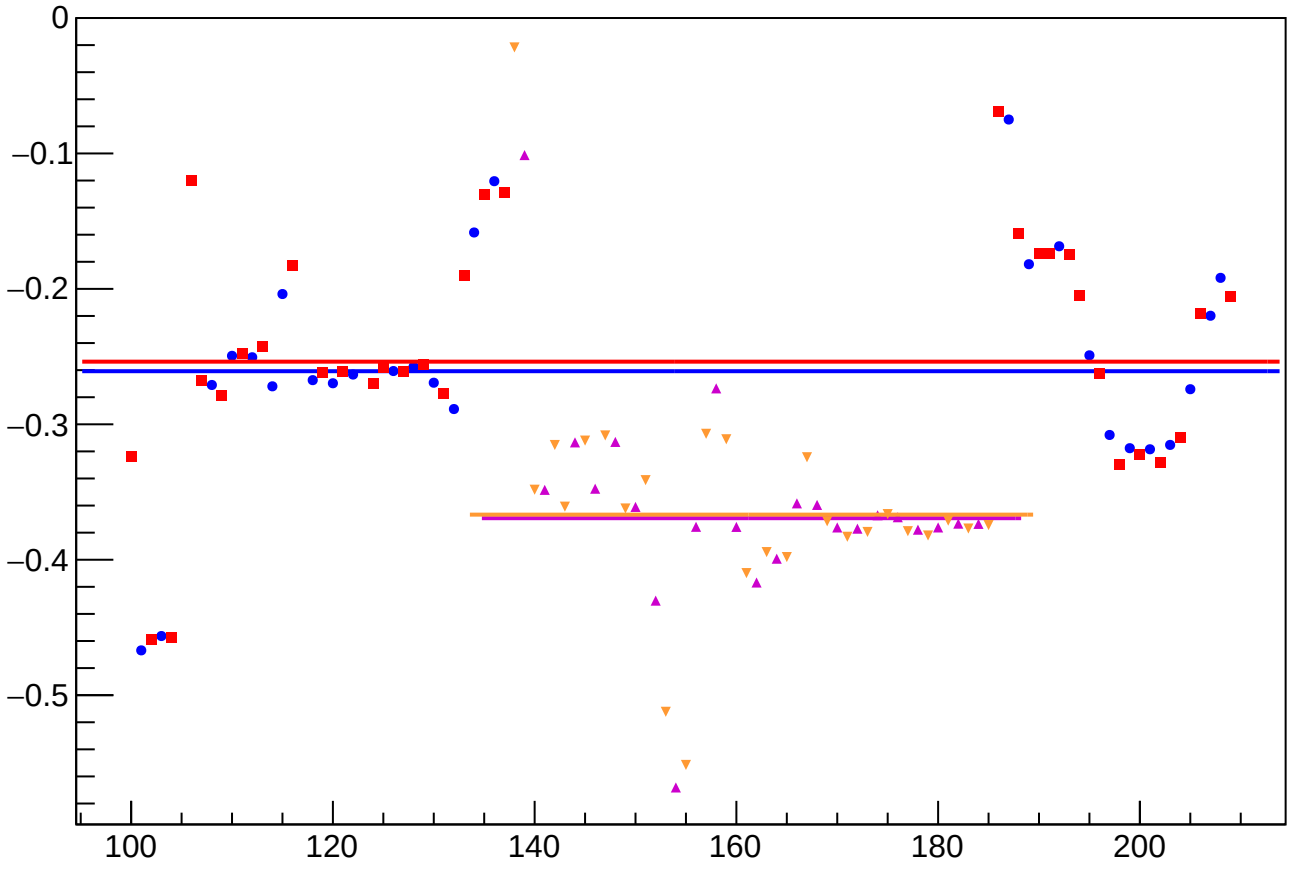
Right Out: 0.012+/-0.000 χ^2/NDF: 407545.5/31

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1597013.6/51

All: 0.011+/-0.000 χ^2/NDF: 3201409.7/106

- sign 0.011+/-0.000 χ^2/NDF: 1603696.3/54



Right In: -0.261+/-0.000 χ^2/NDF: 8215533709.6/26

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.254+/-0.000 χ^2/NDF: 8492195892.5/31

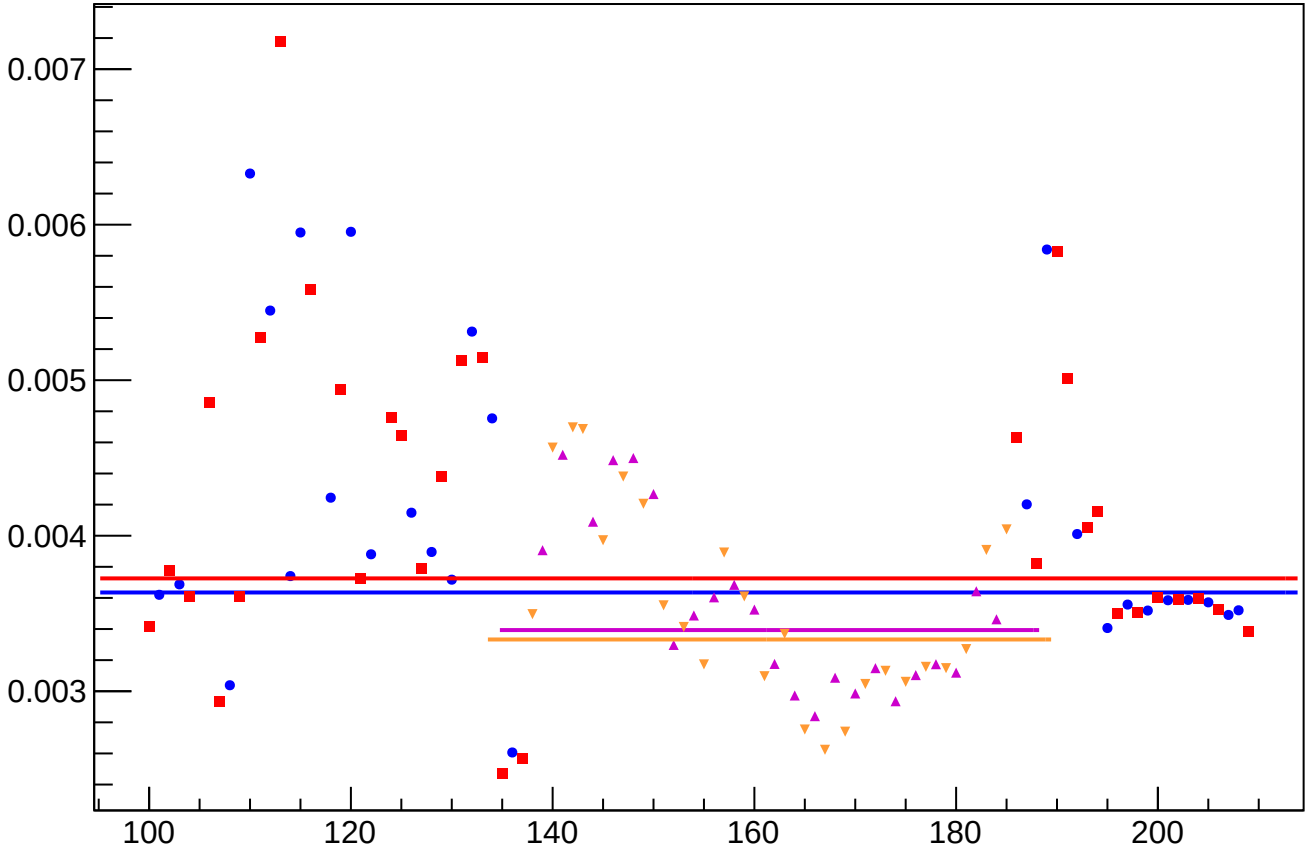
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.324+/-0.000 χ^2/NDF: 27278918414.6/51

All: -0.322+/-0.000 χ^2/NDF: 51752049778.9/

- sign -0.319+/-0.000 χ^2/NDF: 24439837288.0/54

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 909288.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1109587.3/31

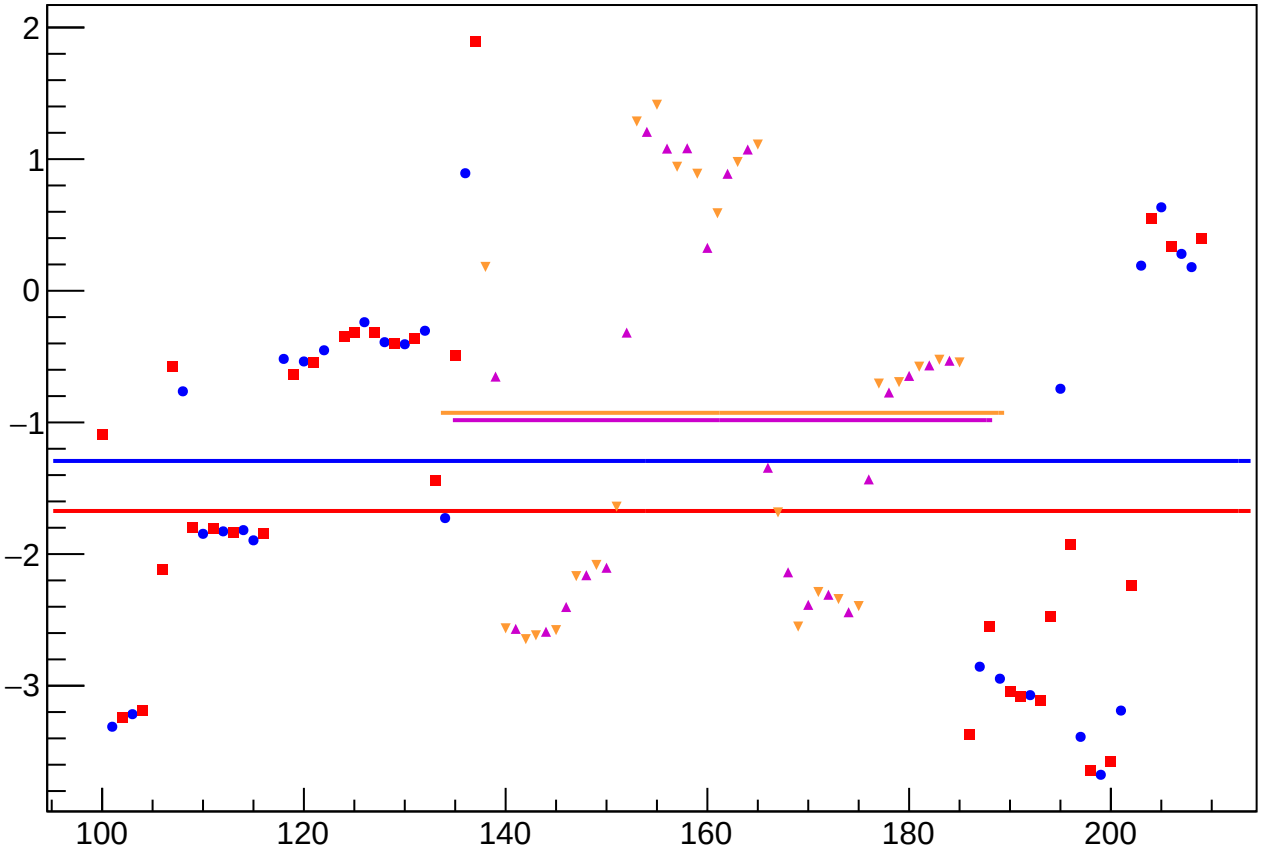
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1882934.5/51

All: 0.003+/-0.000 χ^2/NDF: 3782493.3/106

- sign 0.004+/-0.000 χ^2/NDF: 1881451.3/54

yield_bpm0r03X_mean vs Slug



Right In: -1.293+/-0.000 χ^2/NDF: 6605997951.8/26

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.673+/-0.000 χ^2/NDF: 5987464515.1/31

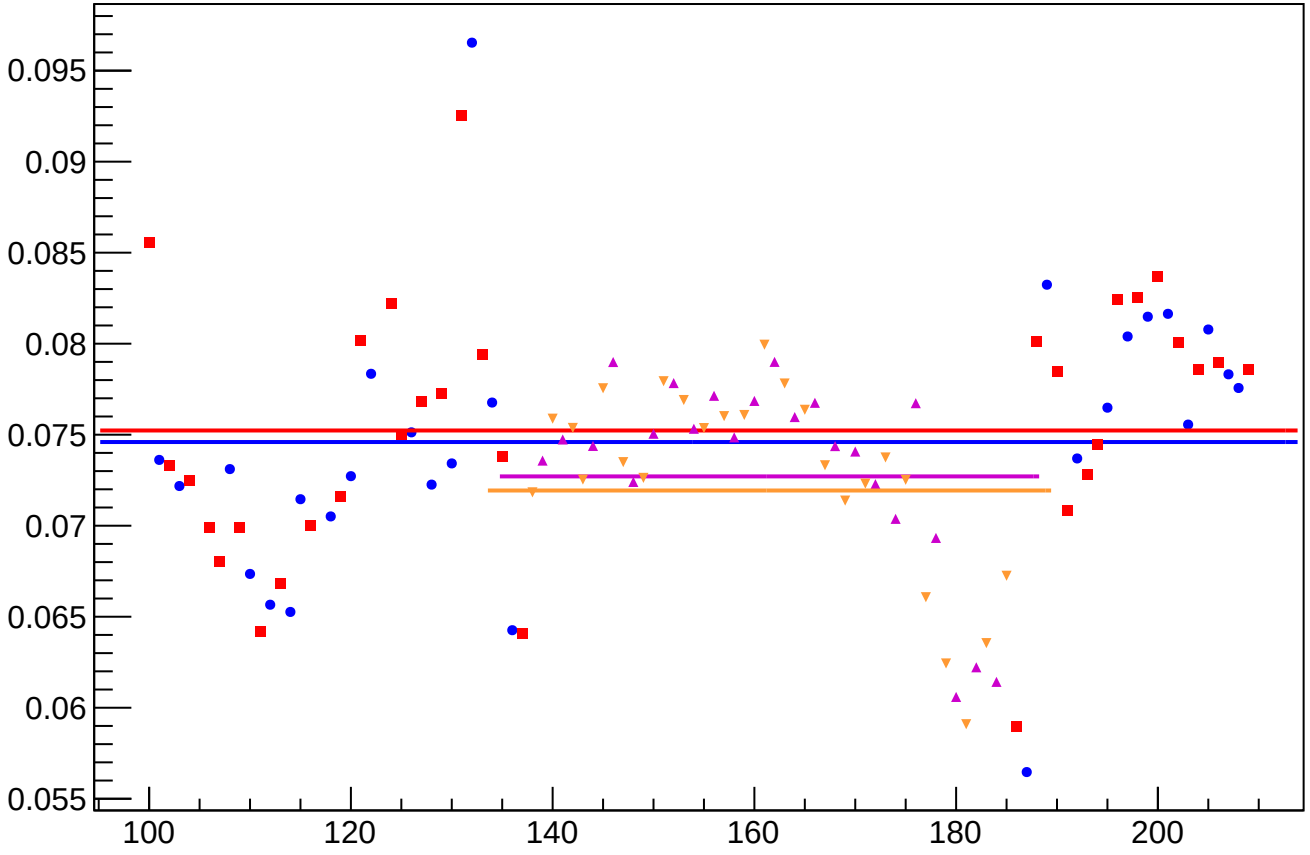
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.085+/-0.000 χ^2/NDF: 14065784238.5/51

All: -1.195+/-0.000 χ^2/NDF: 26886256794.5/

- sign -1.306+/-0.000 χ^2/NDF: 12662700014.5/54

yield_bpm0r03X_rms vs Slug



Right In: 0.075+/-0.000 χ^2/NDF: 224819.7/26

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 247081.3/31

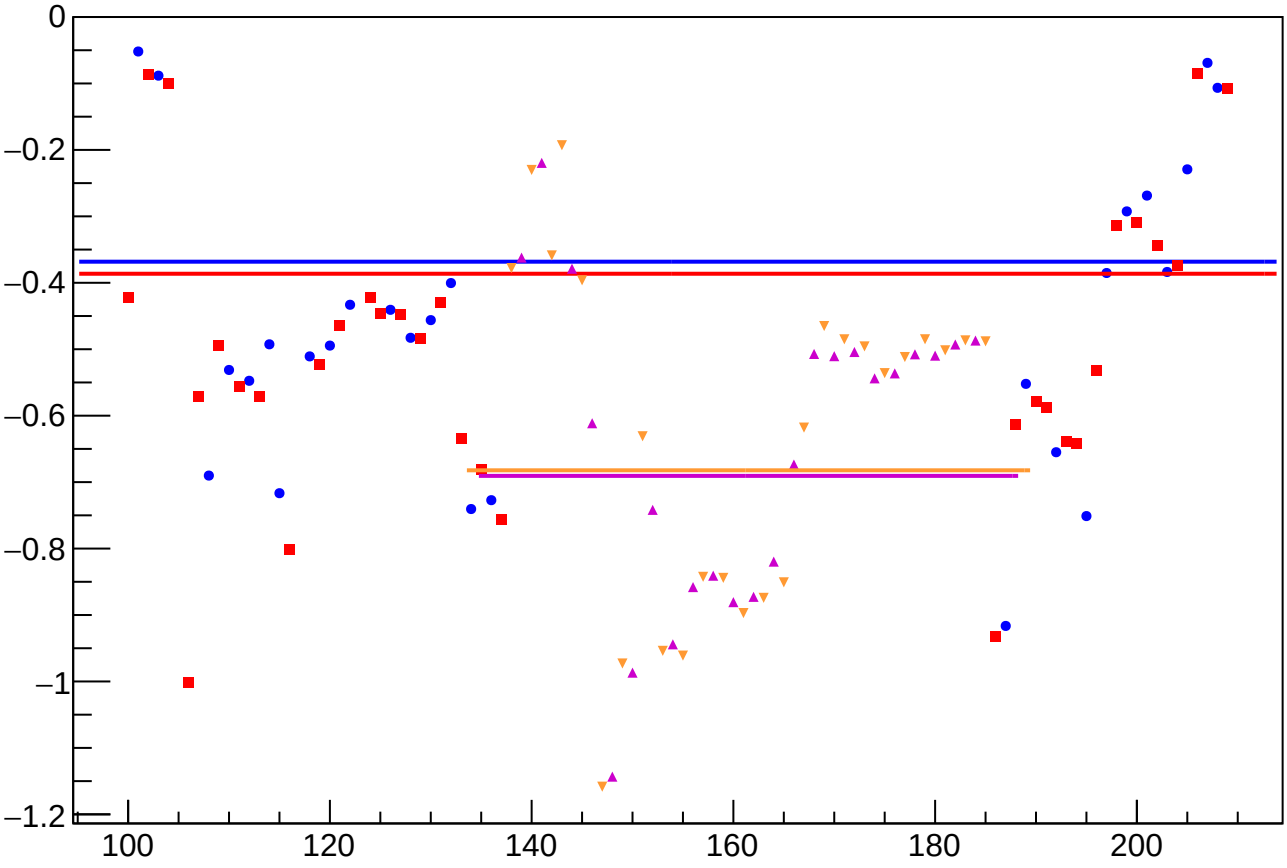
Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 482750.5/51

All: 0.073+/-0.000 χ^2/NDF: 951282.1/106

- sign 0.074+/-0.000 χ^2/NDF: 464315.5/54

yield_bpm0r03Y_mean vs Slug



Right In: -0.368+/-0.000 χ^2/NDF: 11872795825.7/26

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.386+/-0.000 χ^2/NDF: 10853307090.3/31

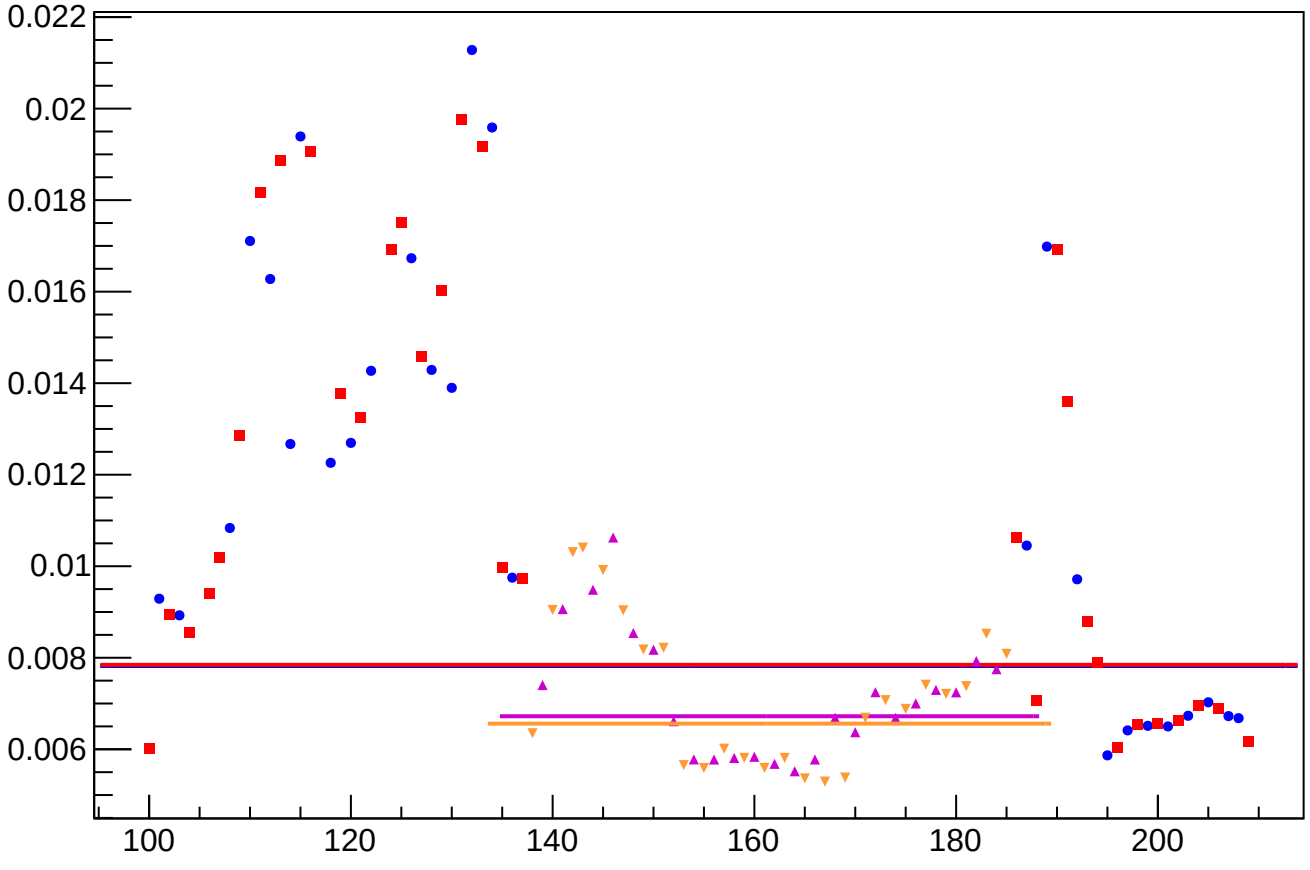
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.573+/-0.000 χ^2/NDF: 47635091387.6/51

All: -0.573+/-0.000 χ^2/NDF: 88499519396.1/

- sign -0.574+/-0.000 χ^2/NDF: 40864417810.2/54

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2998959.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3254552.8/31

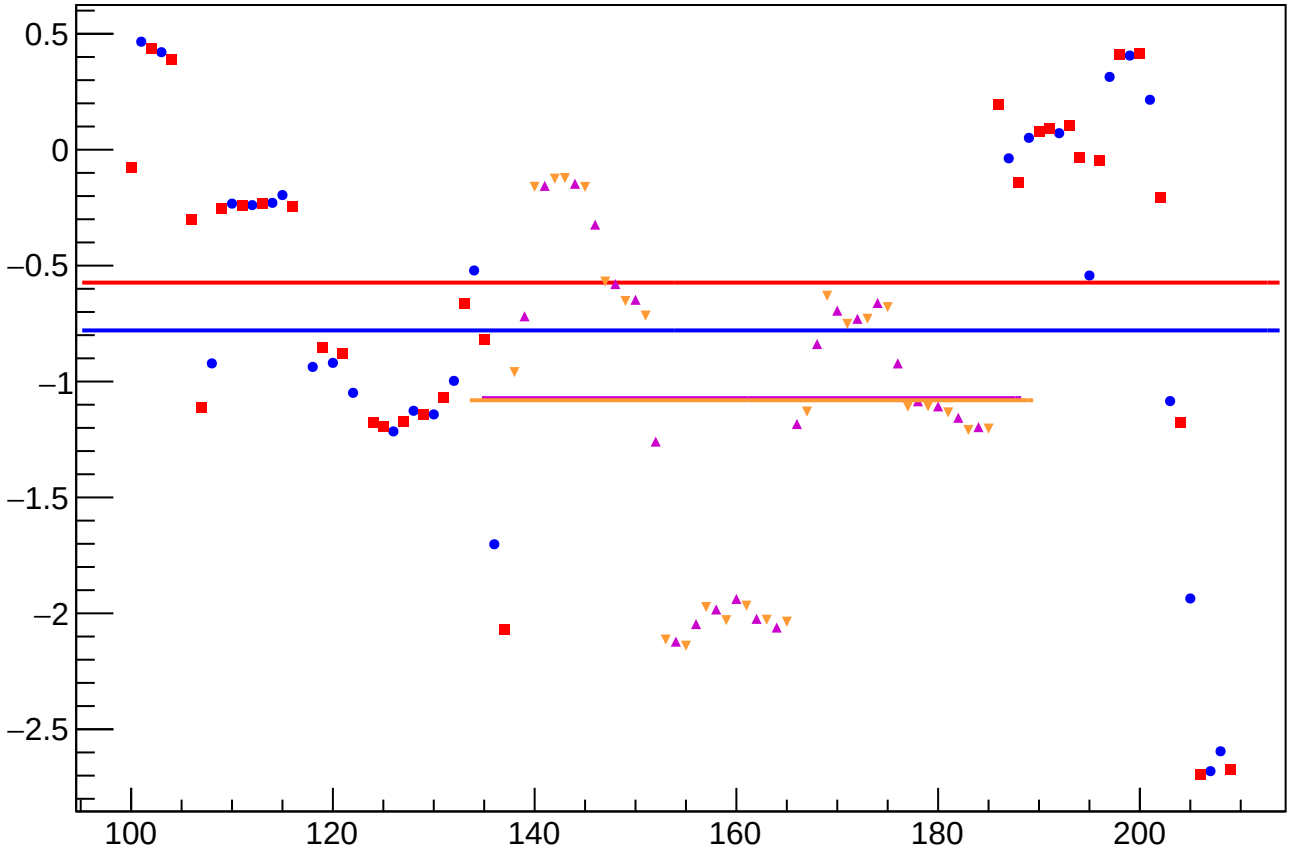
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4851270.2/51

All: 0.007+/-0.000 χ^2/NDF: 9439978.0/106

- sign 0.007+/-0.000 χ^2/NDF: 4573562.1/54

yield_bpm0r05X_mean vs Slug



Right In: -0.780+/-0.000 χ^2/NDF: 1683453408.9/26

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.573+/-0.000 χ^2/NDF: 1658406727.8/31

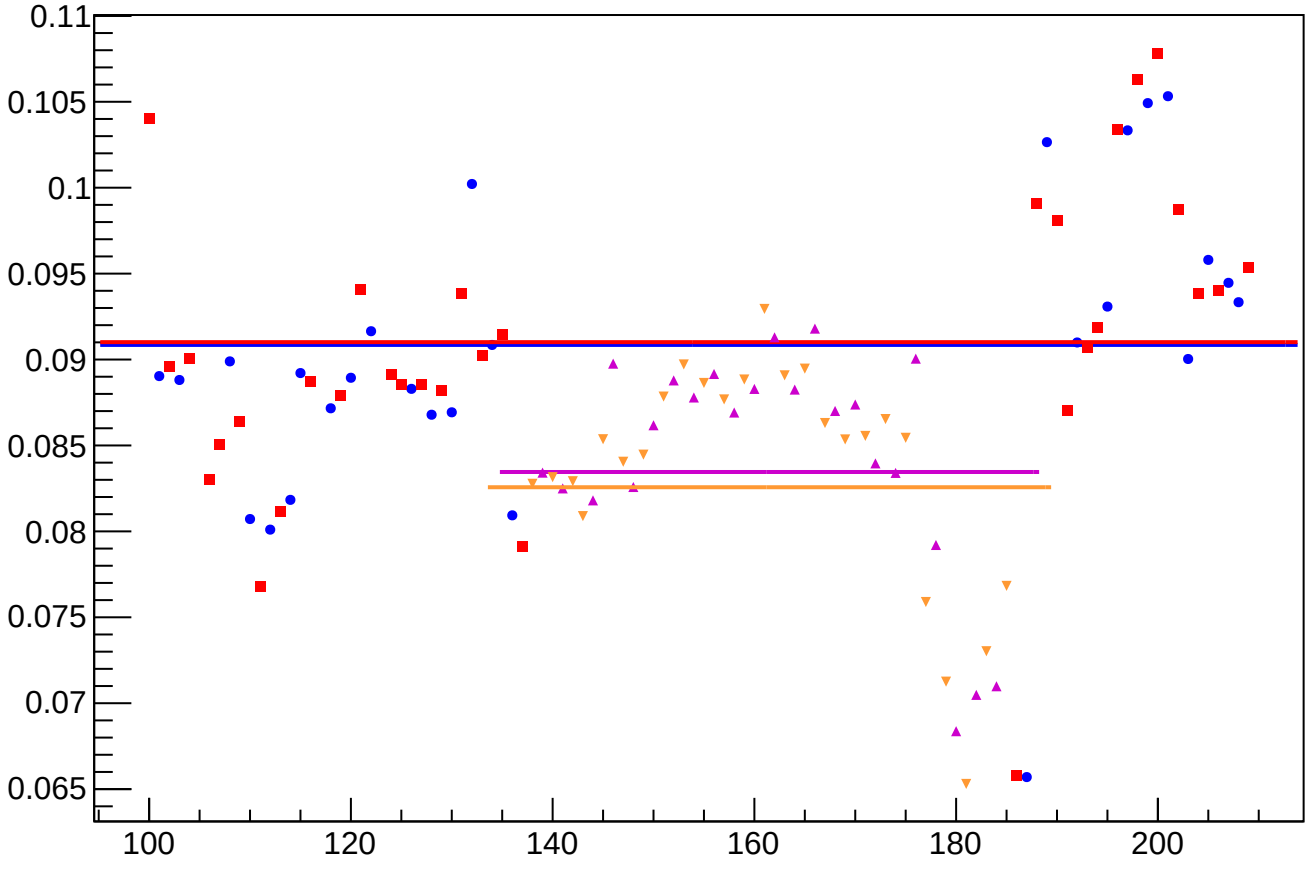
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.959+/-0.000 χ^2/NDF: 2938358367.4/51

All: -0.905+/-0.000 χ^2/NDF: 5885290533.6/1

- sign -0.851+/-0.000 χ^2/NDF: 2919451121.1/54

yield_bpm0r05X_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 238975.8/26

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 331214.9/31

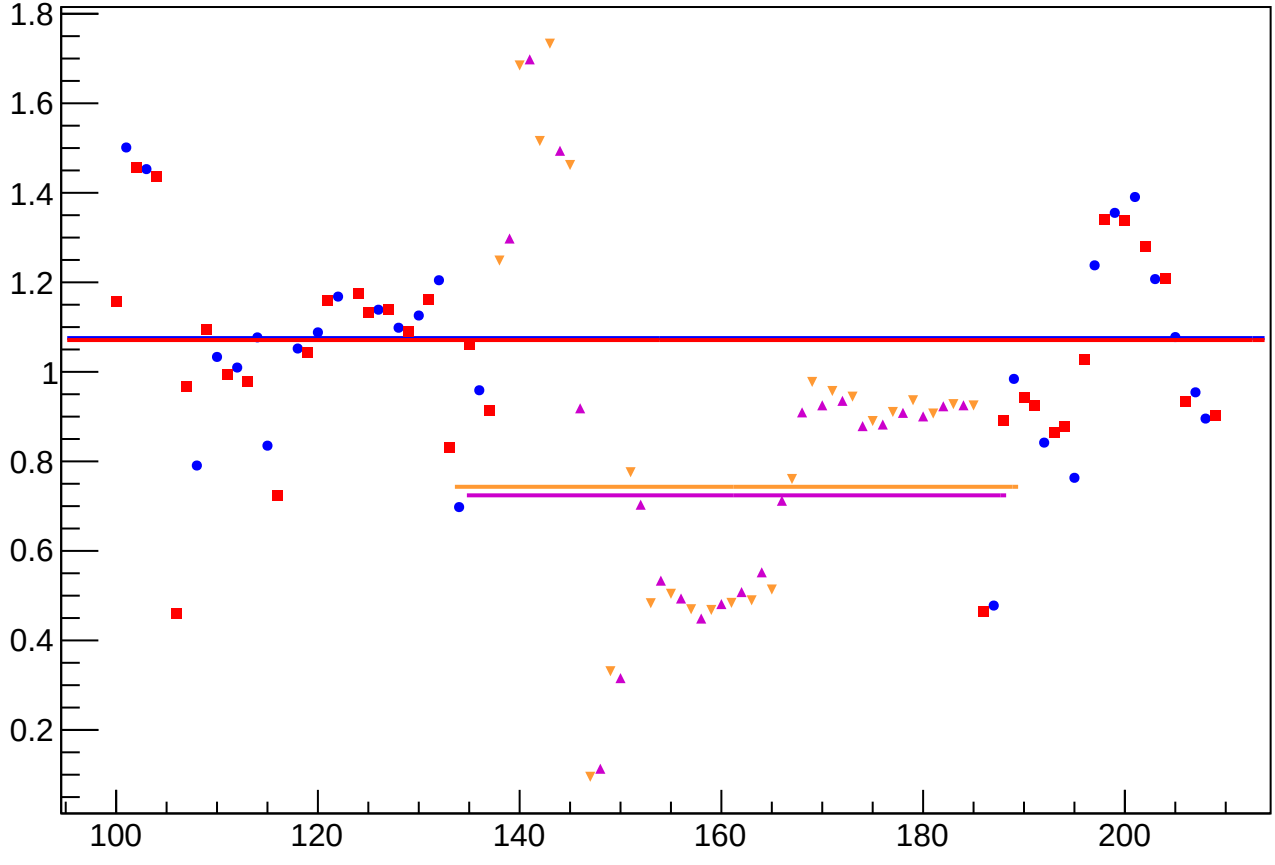
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.086+/-0.000 χ^2/NDF: 685126.1/51

All: 0.086+/-0.000 χ^2/NDF: 1389759.7/106

- sign 0.087+/-0.000 χ^2/NDF: 700896.3/54

yield_bpm0r05Y_mean vs Slug



Right In: 1.075+/-0.000 χ^2/NDF: 5601991116.7/26

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.071+/-0.000 χ^2/NDF: 5344478883.4/31

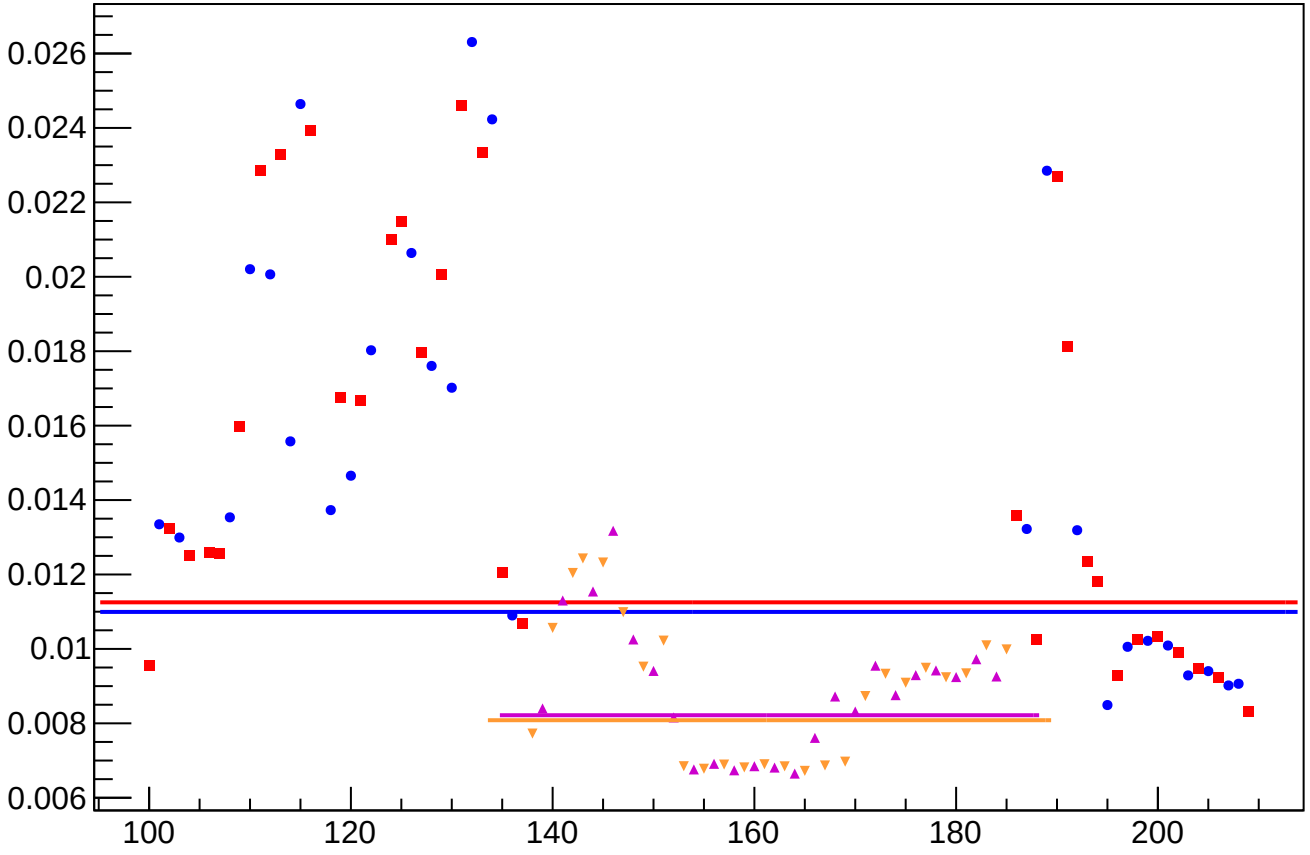
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.841+/-0.000 χ^2/NDF: 46961631417.4/51

All: 0.838+/-0.000 χ^2/NDF: 87451639411.1/1

- sign 0.835+/-0.000 χ^2/NDF: 40483112911.9/54

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2193891.6/26

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2456947.9/31

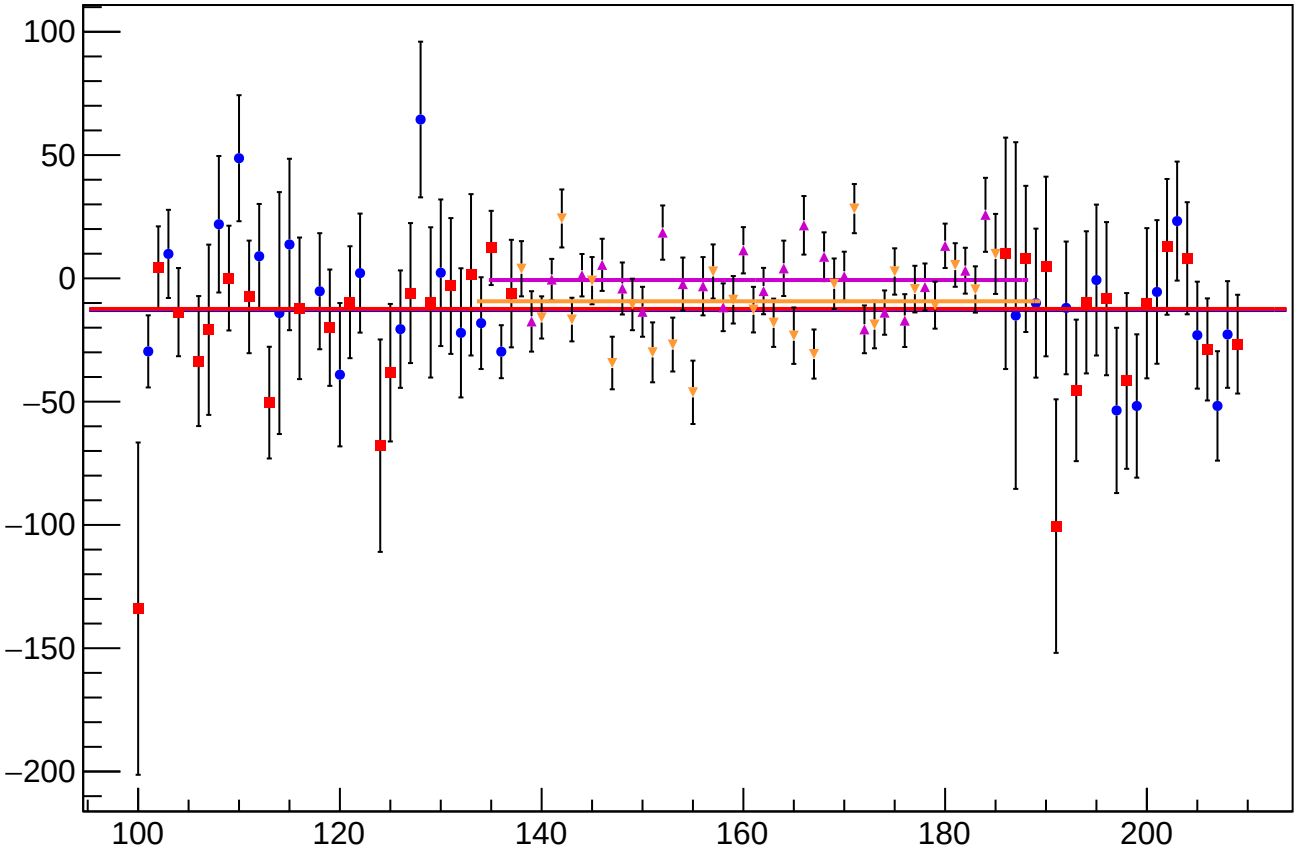
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4947517.7/51

All: 0.009+/-0.000 χ^2/NDF: 10005489.7/106

- sign 0.009+/-0.000 χ^2/NDF: 5035312.4/54

diff_bpm4aX_mean vs Slug



Right In: -12.847+/-4.440 χ^2/NDF: 31.5/26

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -12.411+/-4.508 χ^2/NDF: 22.6/31

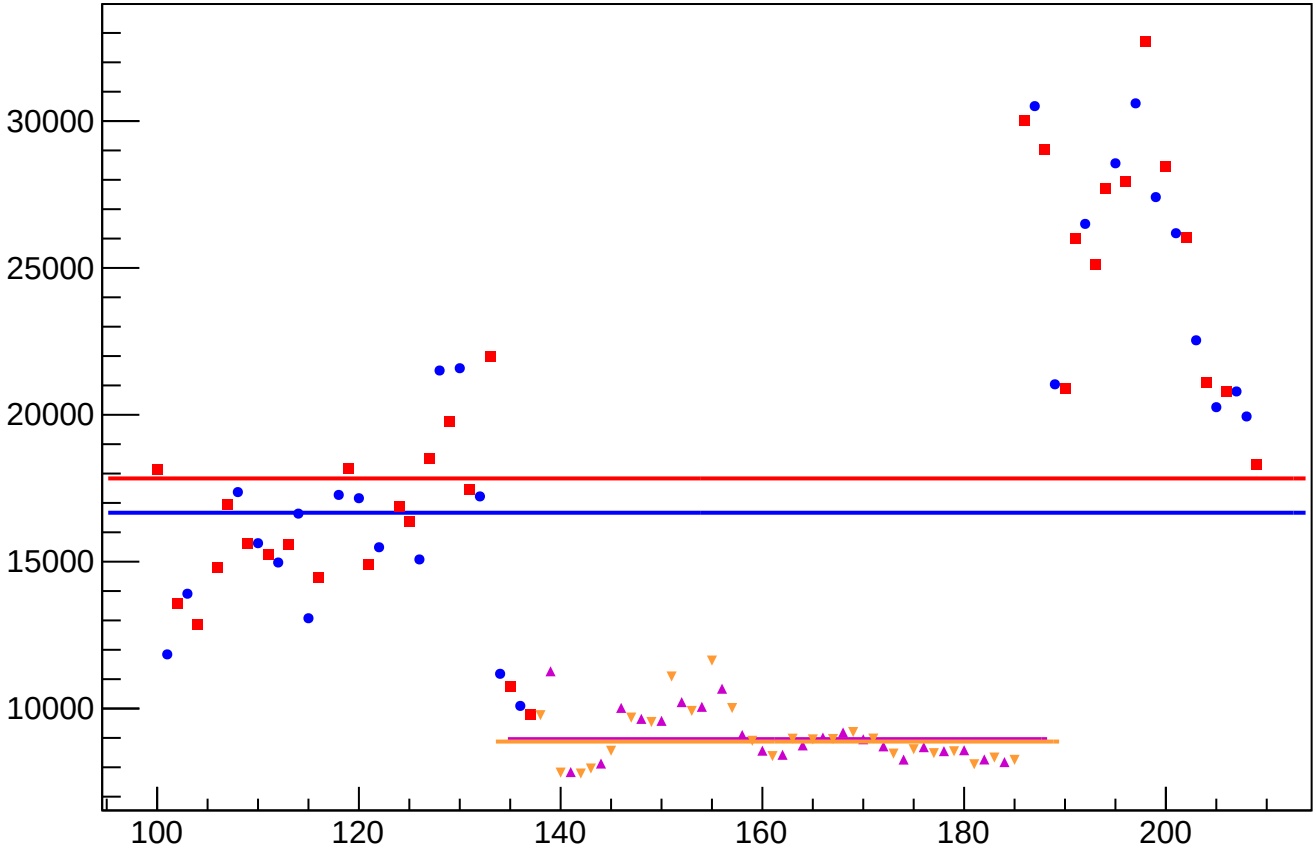
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.907+/-1.847 χ^2/NDF: 93.2/51

All: -6.455+/-1.326 χ^2/NDF: 158.0/106

- sign -2.776+/-1.907 χ^2/NDF: 57.6/54

diff_bpm4aX_rms vs Slug



Right In: 16666.257+/-3.139 χ^2/NDF: 3155250.1/26

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17833.974+/-3.187 χ^2/NDF: 3114239.6/31

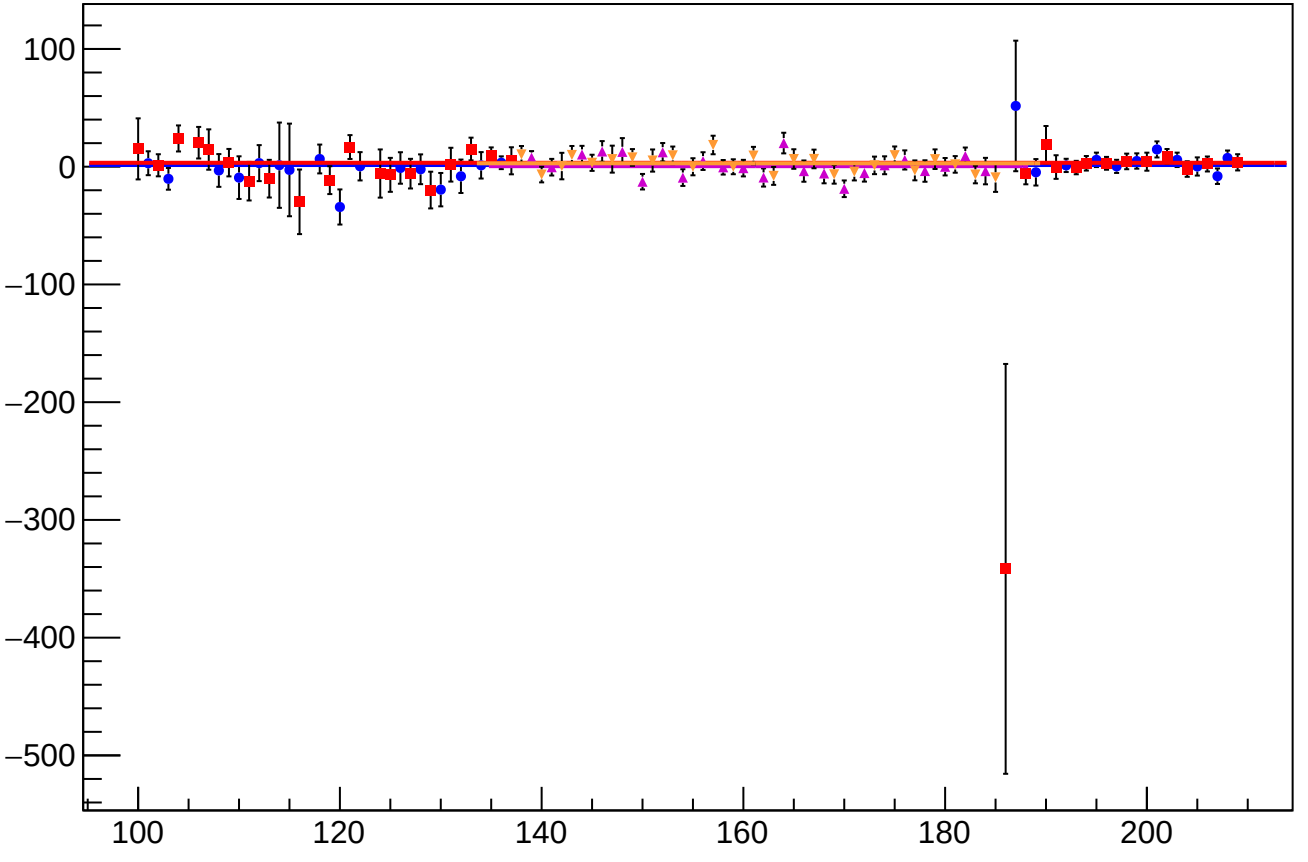
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10223.465+/-1.306 χ^2/NDF: 8595498.2/51

All: 10379.845+/-0.938 χ^2/NDF: 18407131.5

- sign 10546.568+/-1.348 χ^2/NDF: 9781998.1/54

diff_bpm4aY_mean vs Slug



Right In: 1.426+/-1.685 χ^2/NDF: 20.1/26

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

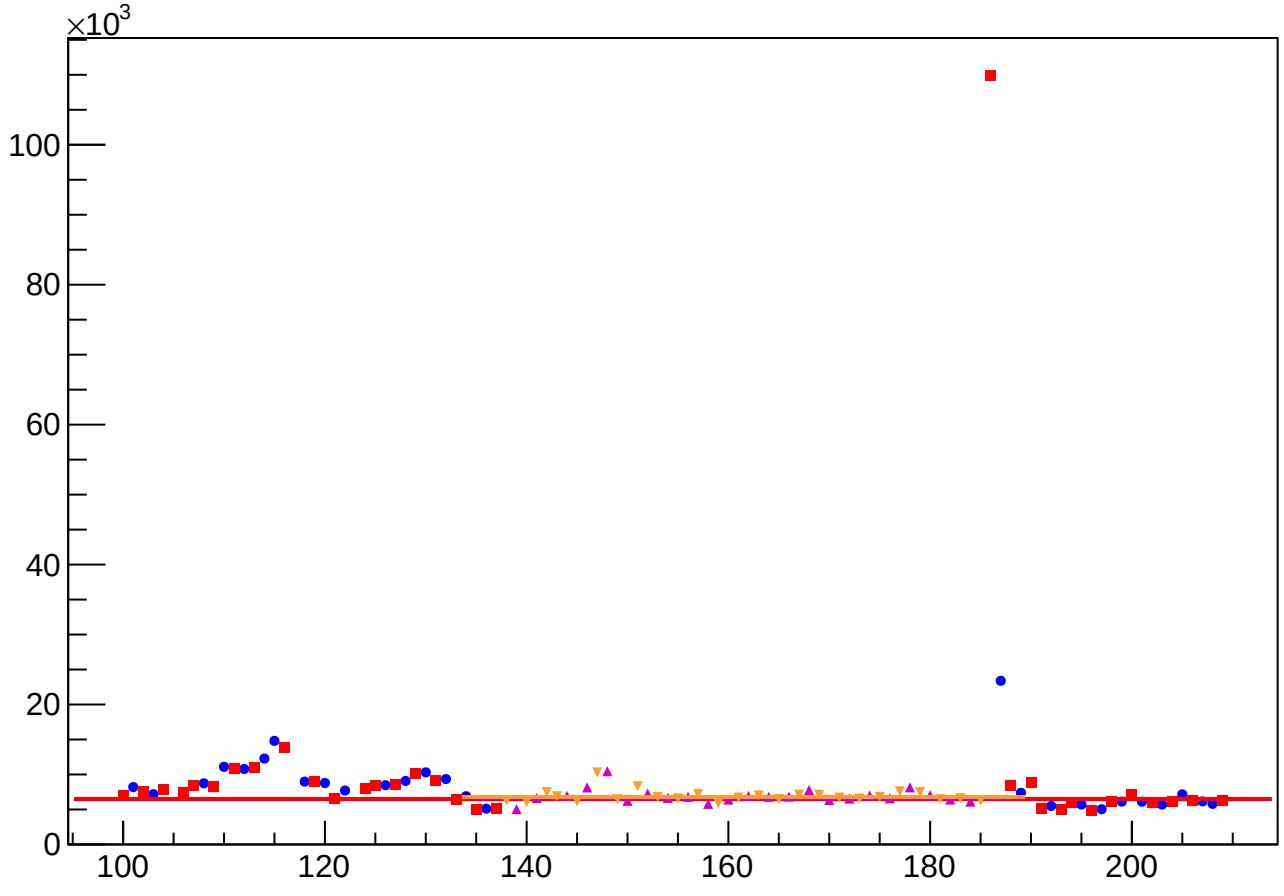
Right Out: 3.322+/-1.636 χ^2/NDF: 25.7/31

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.211+/-1.142 χ^2/NDF: 40.0/51

All: 2.025+/-0.806 χ^2/NDF: 100.2/106

- sign 1.841+/-1.137 χ^2/NDF: 60.1/54



Right In: 6469.755+/-1.191 χ^2/NDF: 1701127.5/26

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

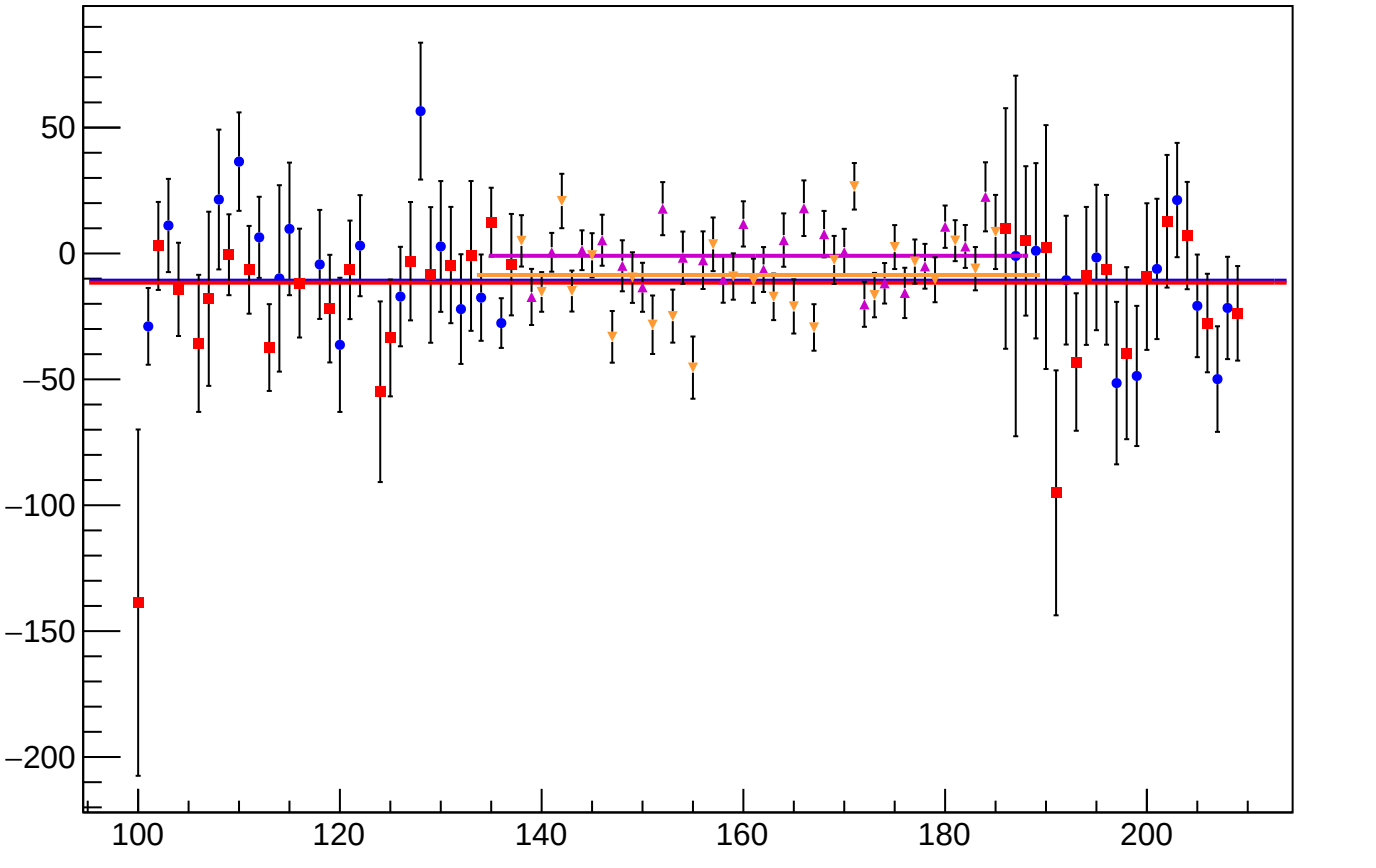
Right Out: 6499.937+/-1.157 χ^2/NDF: 2335908.1/31

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6635.670+/-0.808 χ^2/NDF: 2137171.0/51

All: 6616.715+/-0.570 χ^2/NDF: 5108343.9/10

- sign 6597.936+/-0.804 χ^2/NDF: 2970076.6/54



Right In: -10.805+/-4.059 χ^2/NDF: 32.8/26

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

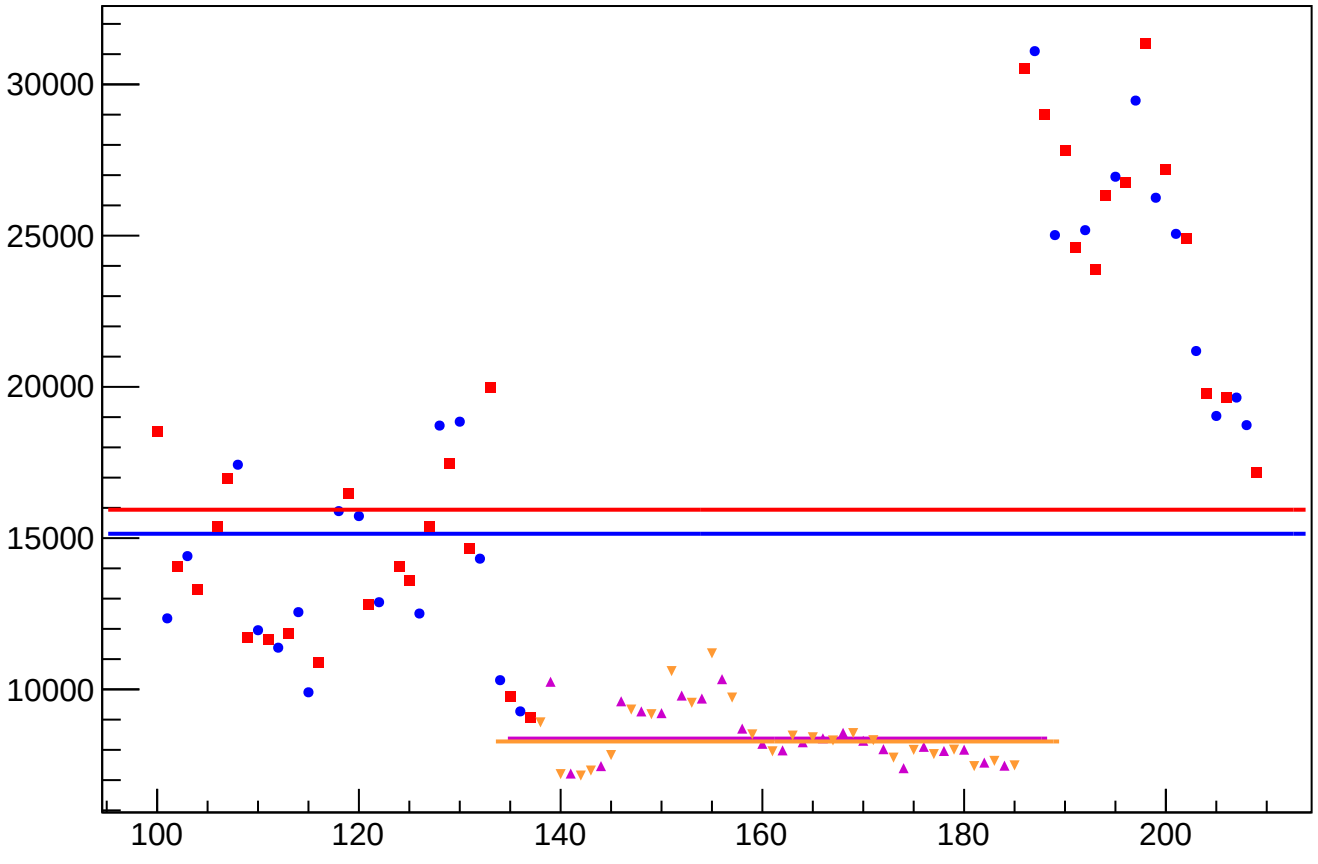
Right Out: -11.598+/-4.081 χ^2/NDF: 22.3/31

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

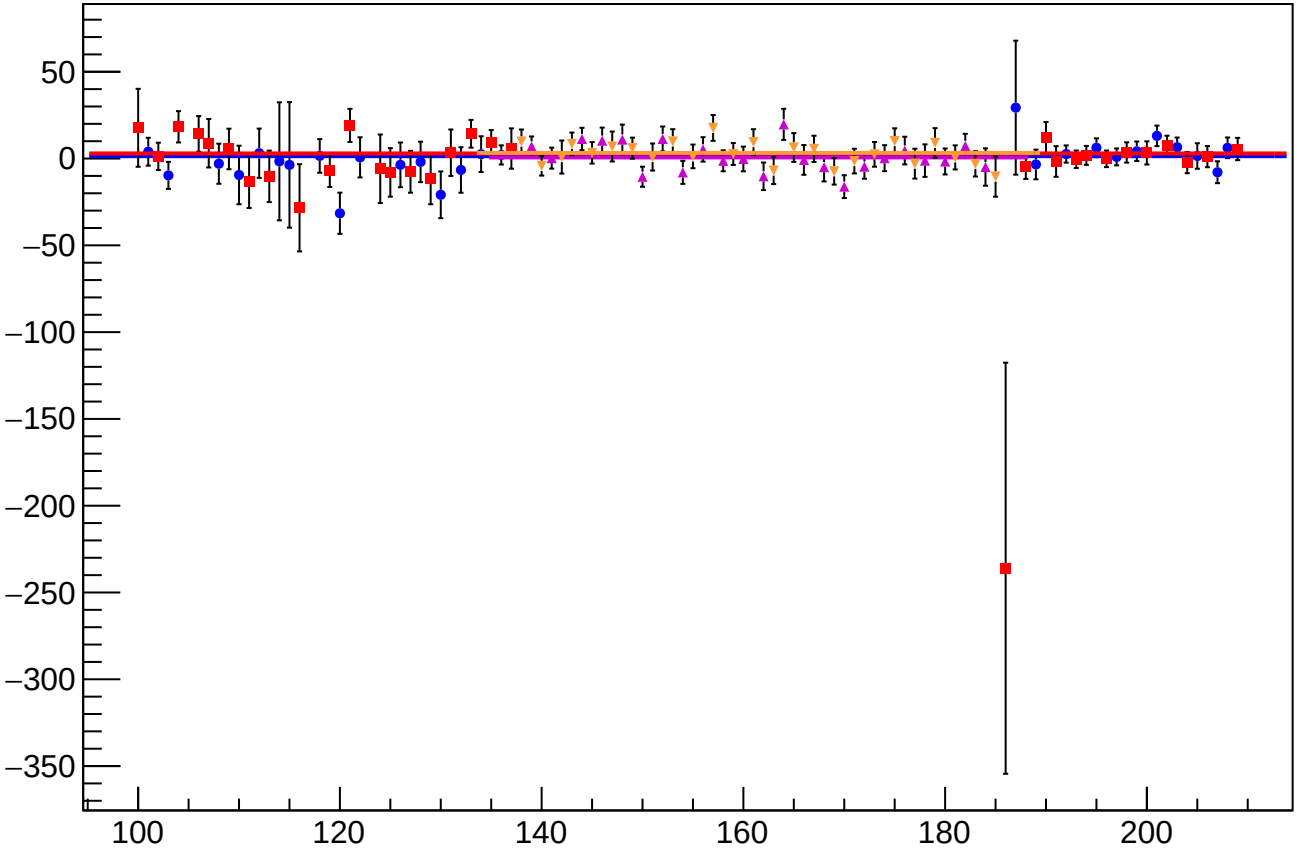
+ sign -8.943+/-1.718 χ^2/NDF: 95.0/51

All: -6.034+/-1.234 χ^2/NDF: 157.8/106

- sign -2.936+/-1.773 χ^2/NDF: 56.9/54


diff_bpm4eX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15144.366+/-2.870 χ²/NDF: 3582803.1/26
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 15939.378+/-2.886 χ²/NDF: 3882216.8/31
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
+ sign 9508.190+/-1.215 χ²/NDF: 8735212.7/51
All: 9650.083+/-0.873 χ²/NDF: 18616560.8/1
- sign 9801.197+/-1.254 χ²/NDF: 9853187.0/54

diff_bpm4eY_mean vs Slug



Right In: 1.383+/-1.513 χ^2/NDF: 23.3/26

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

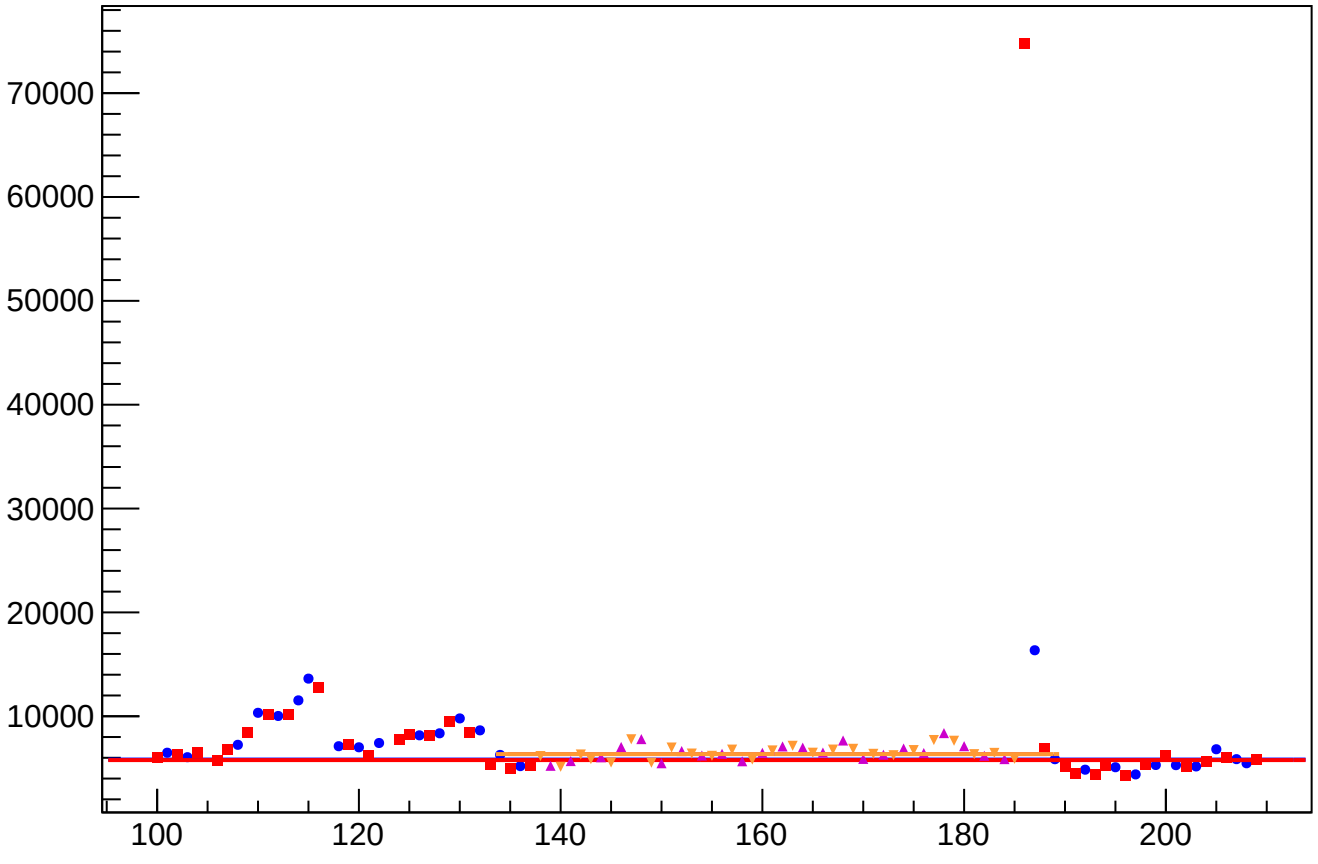
Right Out: 2.943+/-1.449 χ^2/NDF: 26.7/31

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.354+/-1.050 χ^2/NDF: 41.7/51

All: 2.092+/-0.739 χ^2/NDF: 100.5/106

- sign 1.834+/-1.042 χ^2/NDF: 58.7/54



Right In: 5828.582+/-1.070 χ^2/NDF: 1600502.9/26

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5778.868+/-1.024 χ^2/NDF: 2298117.5/31

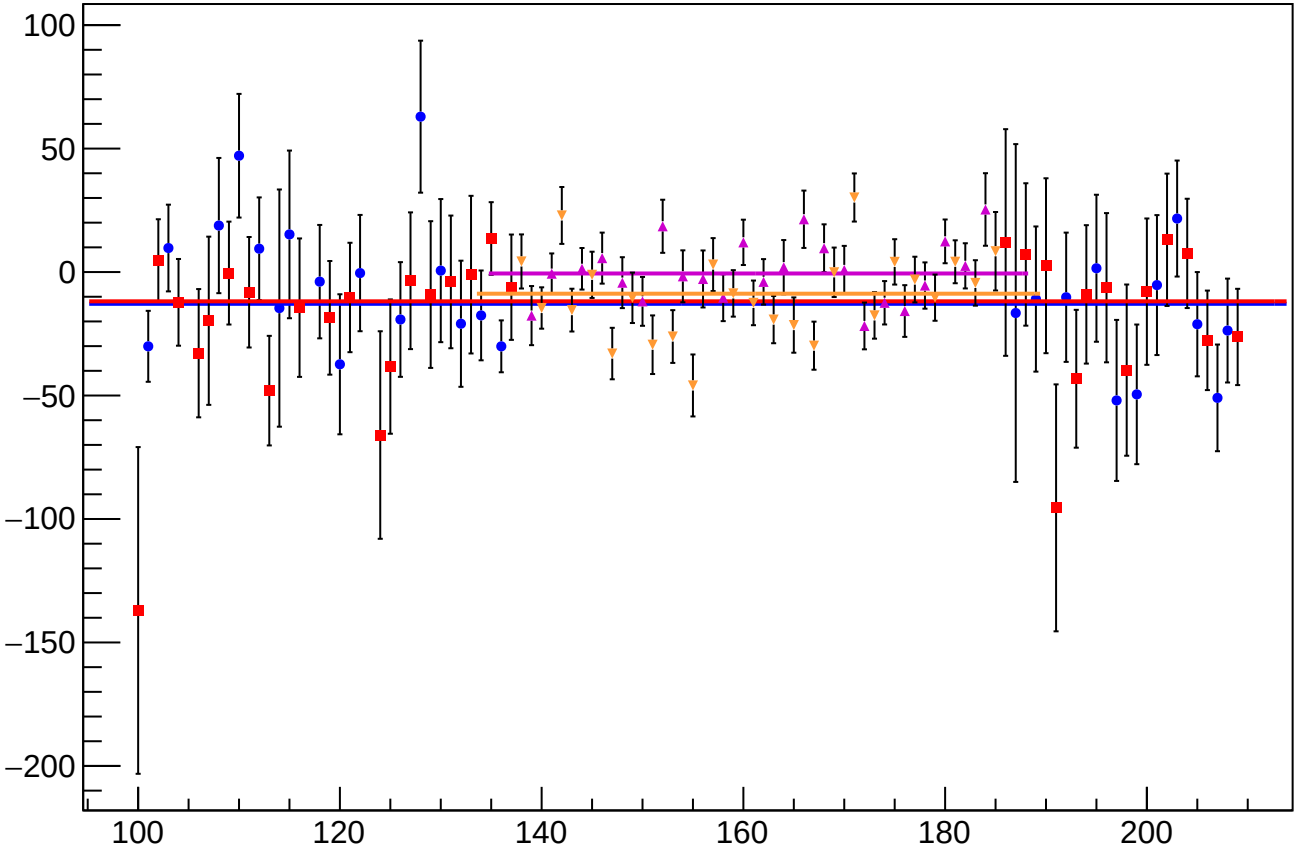
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6103.103+/-0.742 χ^2/NDF: 2141441.6/51

All: 6081.116+/-0.523 χ^2/NDF: 5070510.8/10

- sign 6059.455+/-0.737 χ^2/NDF: 2927327.1/54

diff_bpm4acX_mean vs Slug



Right In: -12.859+/-4.338 χ^2/NDF: 31.5/26

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.853+/-4.404 χ^2/NDF: 22.8/31

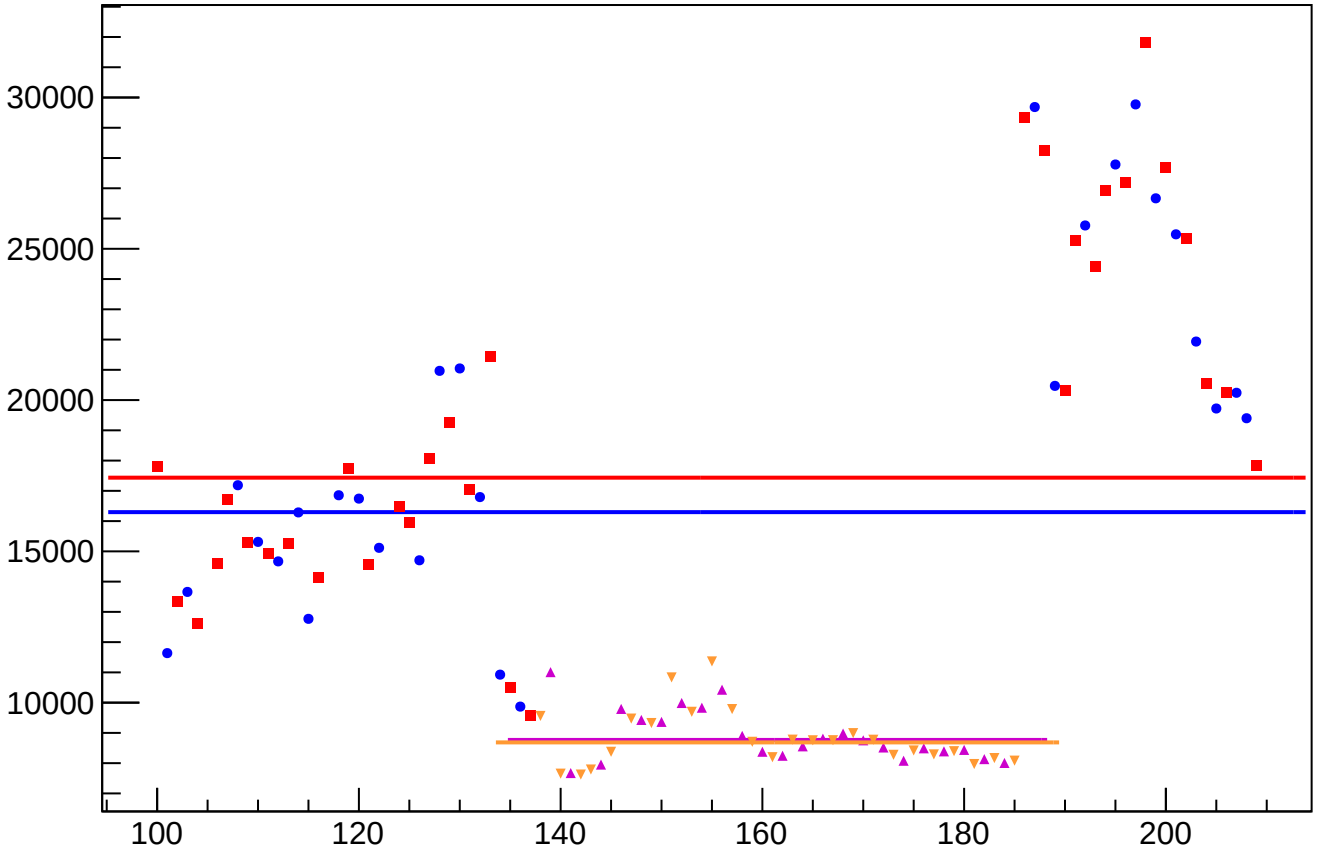
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.476+/-1.806 χ^2/NDF: 95.0/51

All: -6.149+/-1.298 χ^2/NDF: 159.7/106

- sign -2.602+/-1.865 χ^2/NDF: 57.7/54

diff_bpm4acX_rms vs Slug



Right In: 16296.562+/-3.067 χ^2/NDF: 3109949.7/26

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17435.573+/-3.114 χ^2/NDF: 3065318.6/31

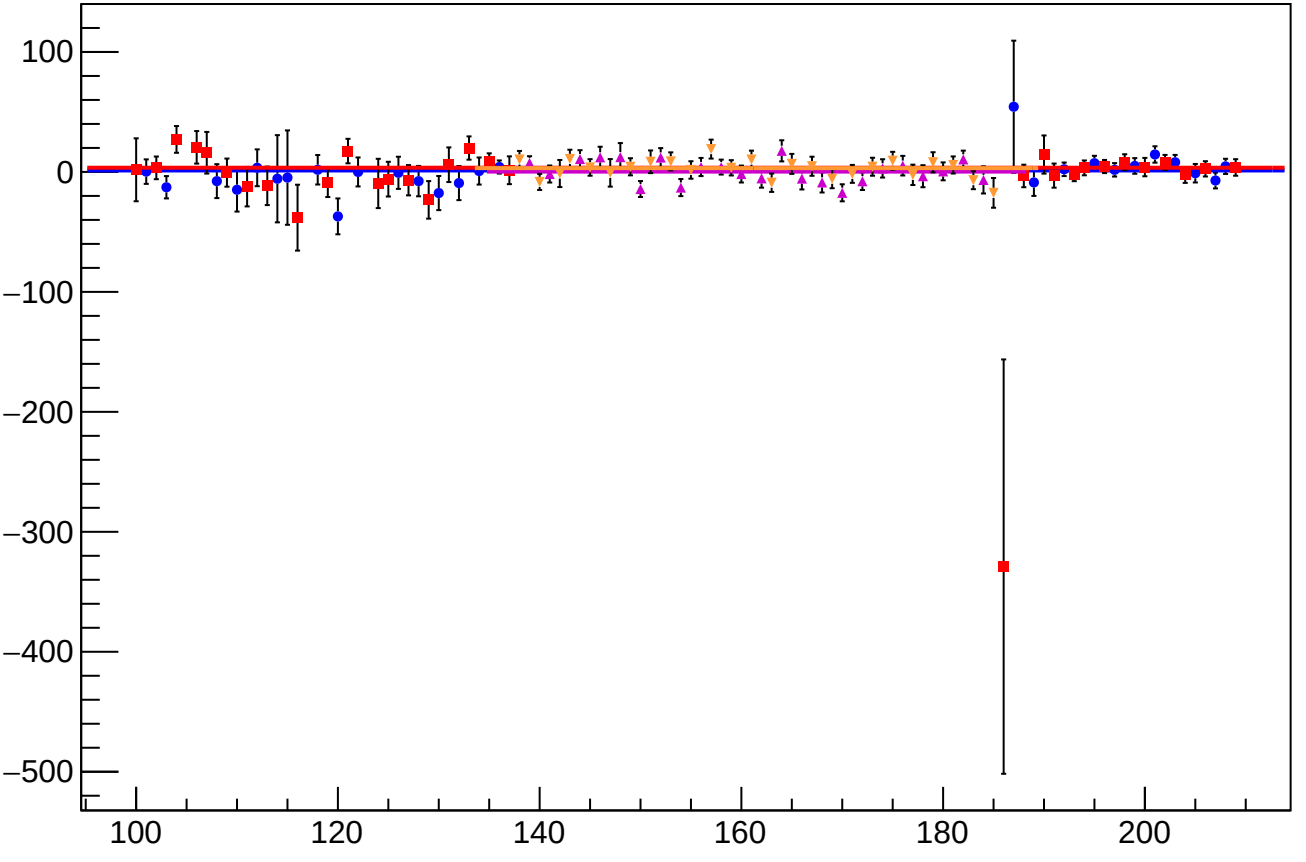
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10006.084+/-1.277 χ^2/NDF: 8539741.6/51

All: 10159.412+/-0.918 χ^2/NDF: 18288988.8

- sign 10322.885+/-1.319 χ^2/NDF: 9719477.2/54

diff_bpm4acY_mean vs Slug



Right In: 1.223+/-1.690 χ^2/NDF: 23.3/26

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.504+/-1.641 χ^2/NDF: 29.6/31

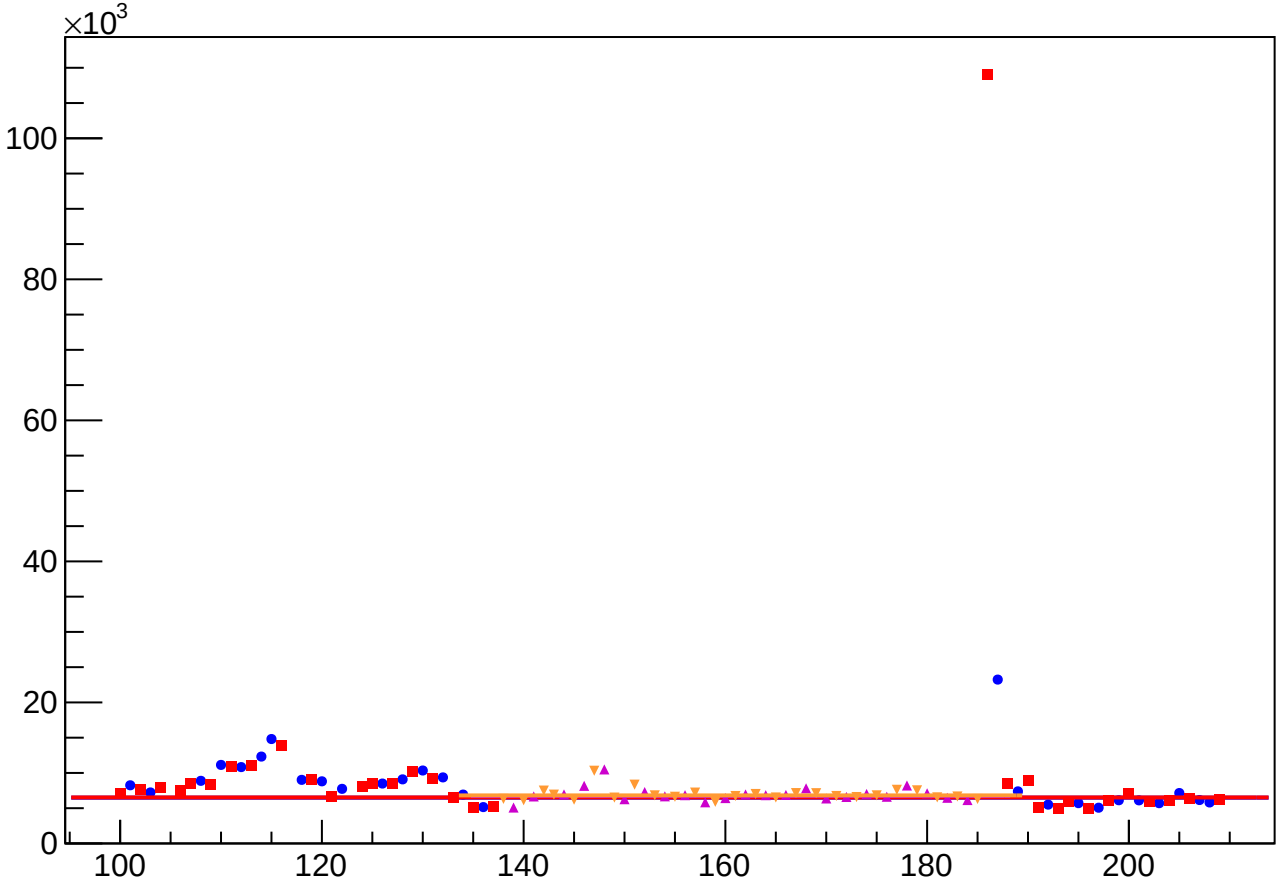
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.274+/-1.147 χ^2/NDF: 45.7/51

All: 2.054+/-0.809 χ^2/NDF: 111.5/106

- sign 1.835+/-1.142 χ^2/NDF: 65.8/54

diff_bpm4acY_rms vs Slug



Right In: 6490.520+/-1.195 χ^2/NDF: 1699889.0/26

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6523.772+/-1.161 χ^2/NDF: 2331225.4/31

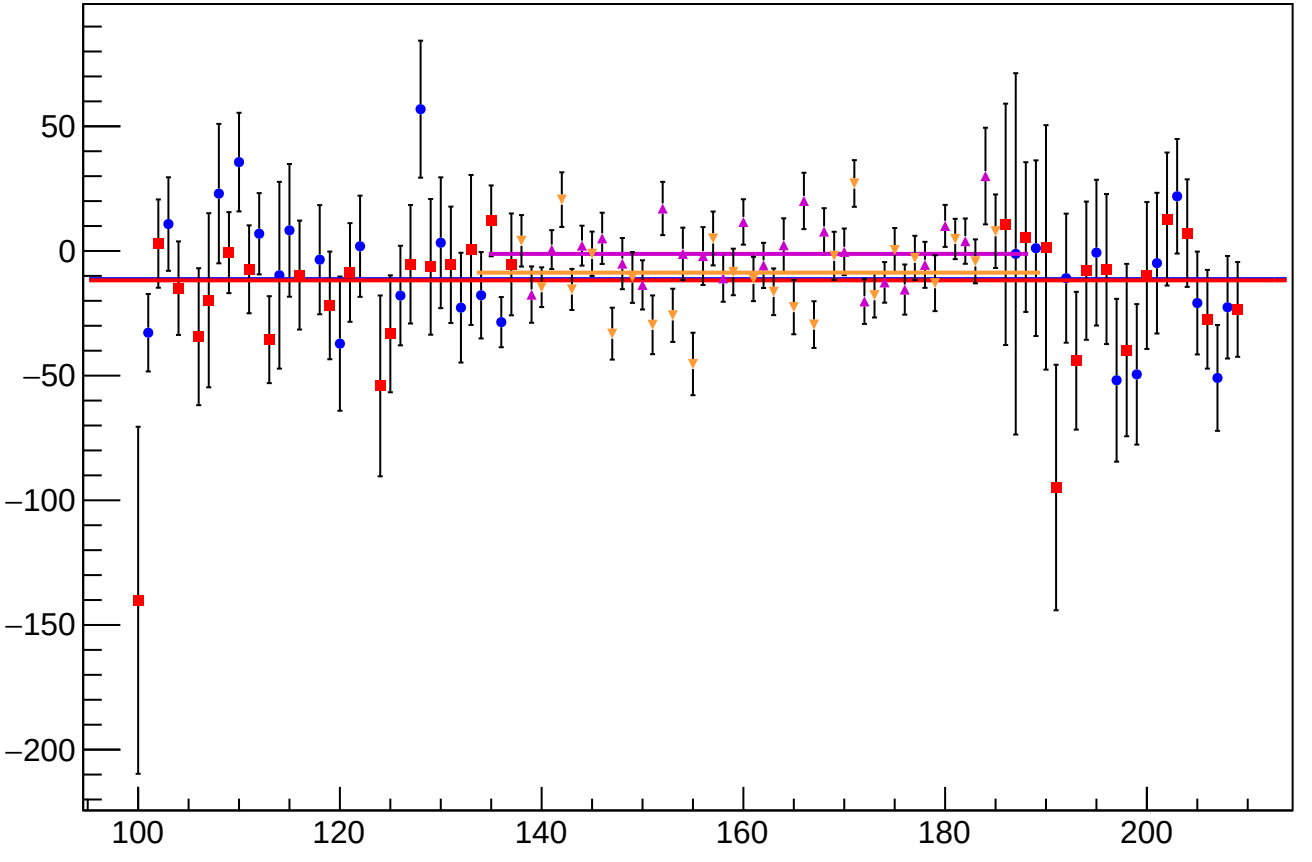
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6664.447+/-0.811 χ^2/NDF: 2133773.6/51

All: 6646.666+/-0.572 χ^2/NDF: 5091945.3/10

- sign 6629.041+/-0.808 χ^2/NDF: 2957214.8/54

diff_bpm4ecX_mean vs Slug



Right In: -11.301+/-4.113 χ^2/NDF: 33.4/26

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.781+/-4.138 χ^2/NDF: 21.1/31

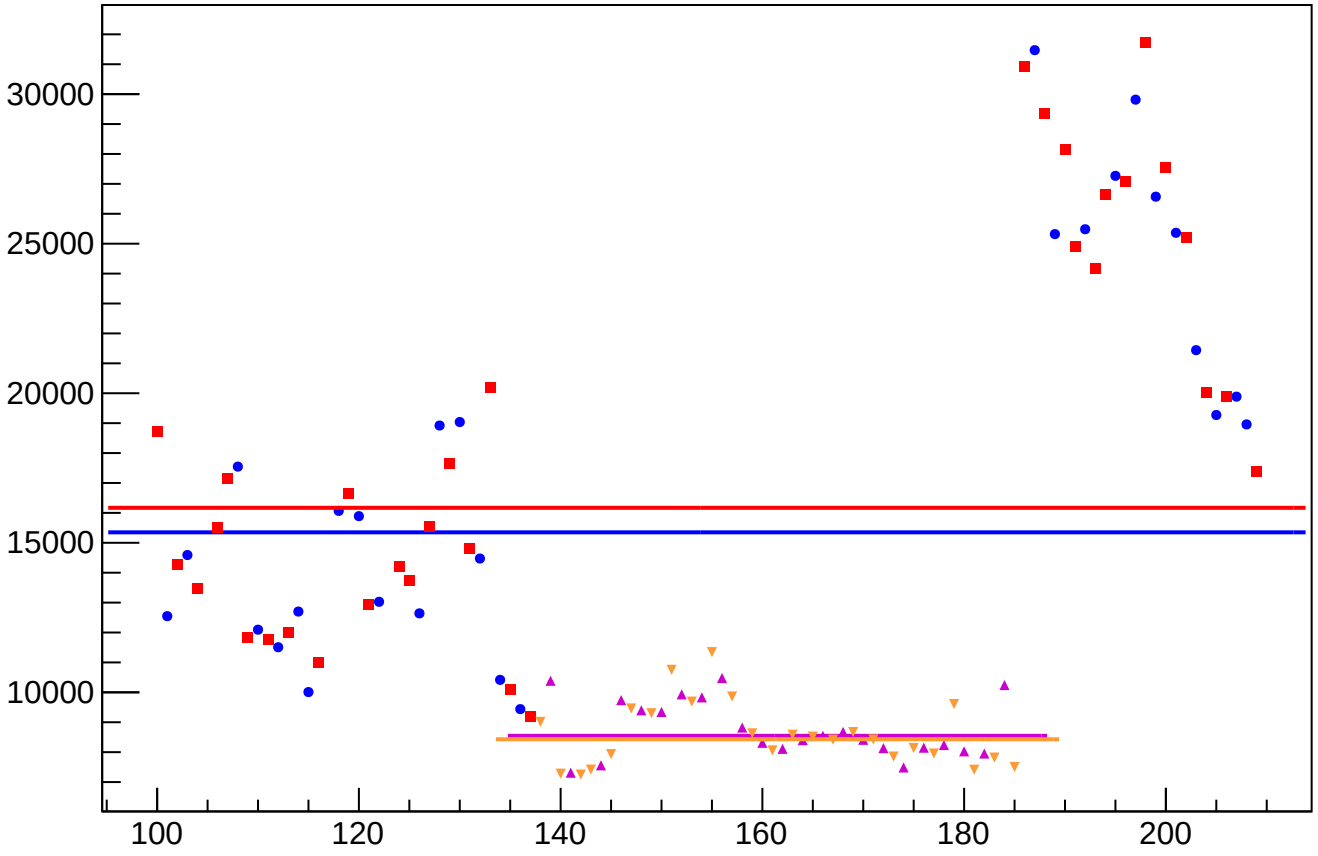
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -9.166+/-1.752 χ^2/NDF: 95.2/51

All: -6.281+/-1.259 χ^2/NDF: 155.8/106

- sign -3.203+/-1.810 χ^2/NDF: 55.0/54

diff_bpm4ecX_rms vs Slug



Right In: 15349.576+/-2.909 χ^2/NDF: 3556876.5/26

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

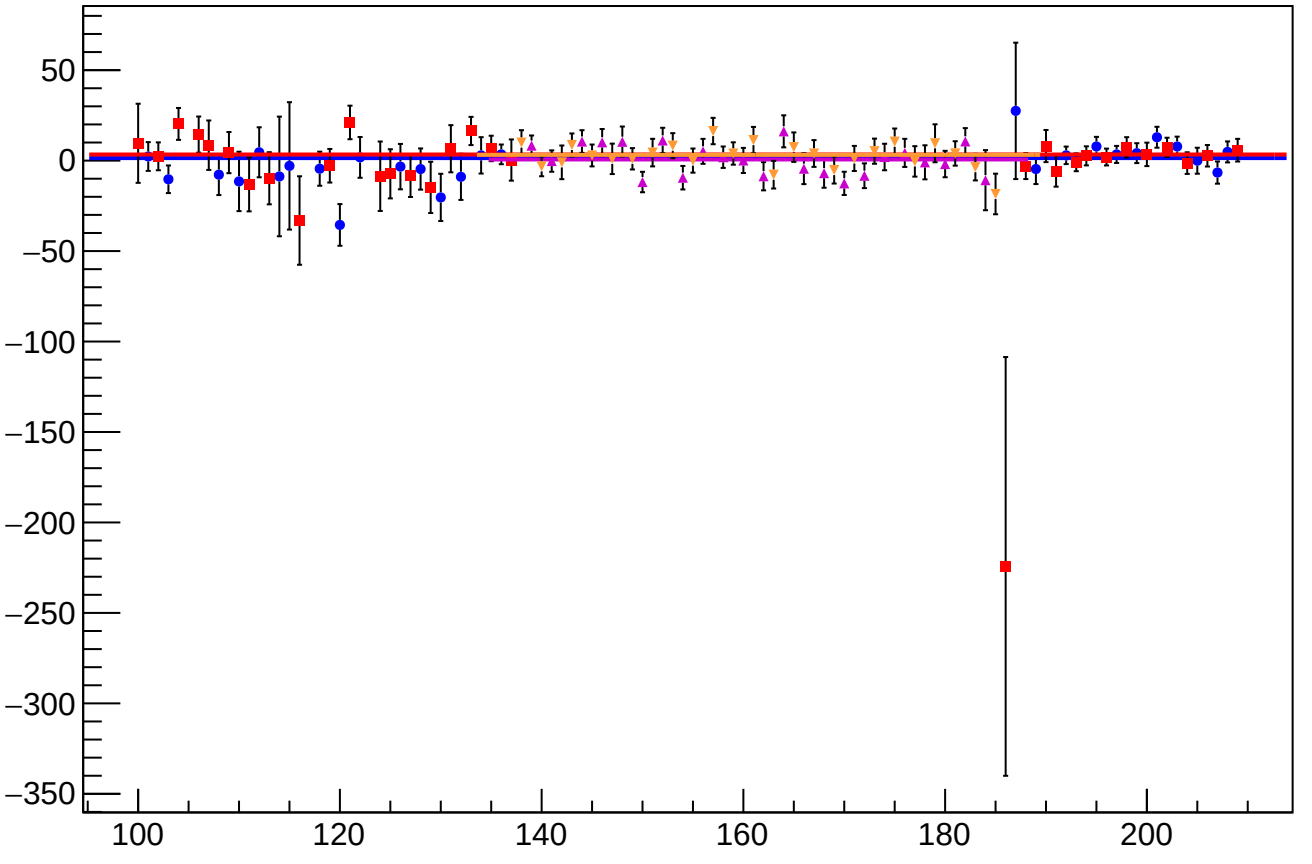
Right Out: 16169.776+/-2.926 χ^2/NDF: 3838790.4/31

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9685.529+/-1.239 χ^2/NDF: 8673622.3/51

All: 9839.553+/-0.890 χ^2/NDF: 18425532.3/1

- sign 10003.926+/-1.280 χ^2/NDF: 9719949.5/54



Right In: 1.391+/-1.477 χ^2/NDF: 28.9/26

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.385+/-1.413 χ^2/NDF: 29.1/31

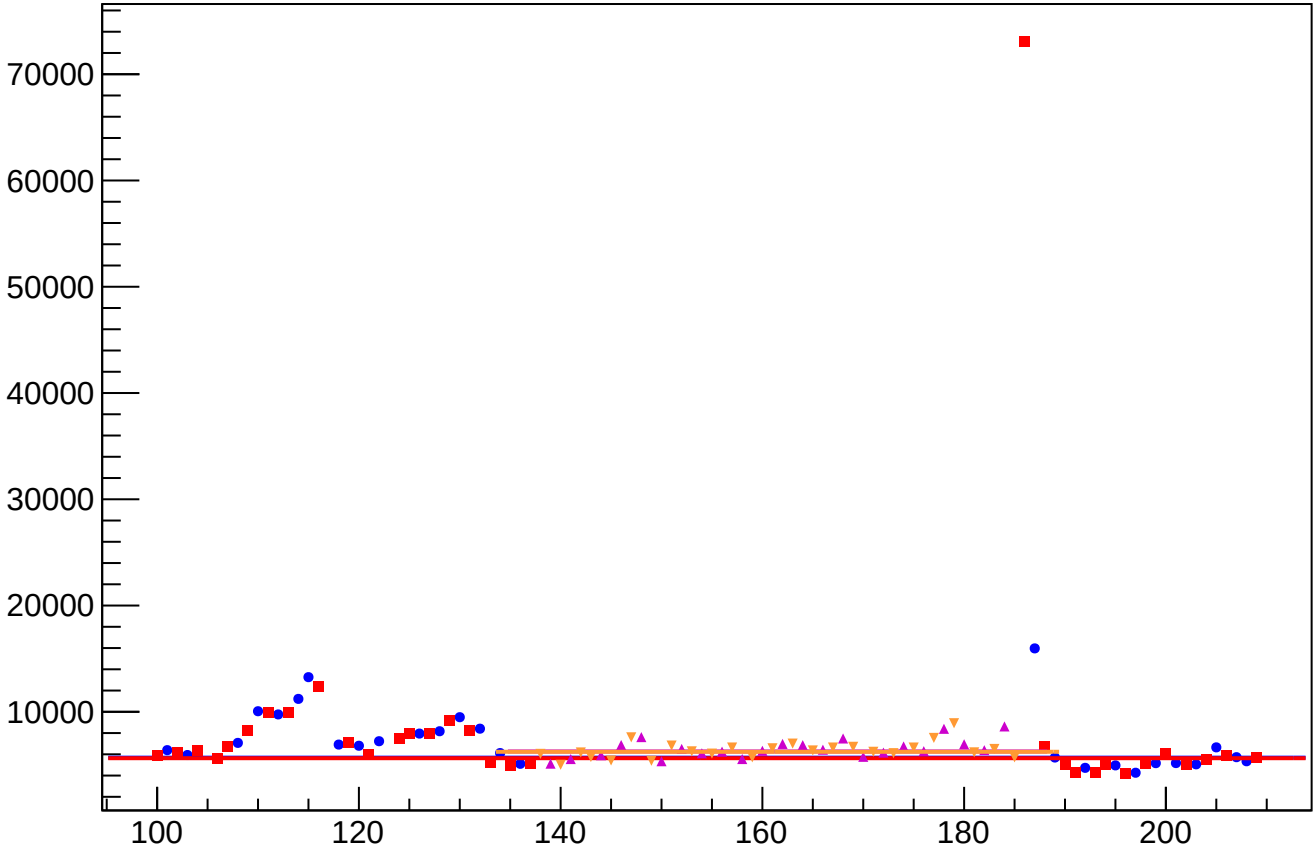
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.314+/-1.029 χ^2/NDF: 48.4/51

All: 2.193+/-0.725 χ^2/NDF: 111.1/106

- sign 2.075+/-1.022 χ^2/NDF: 62.8/54

diff_bpm4ecY_rms vs Slug



Right In: 5685.482+/-1.044 χ^2/NDF: 1600673.7/26

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5633.440+/-0.999 χ^2/NDF: 2279716.5/31

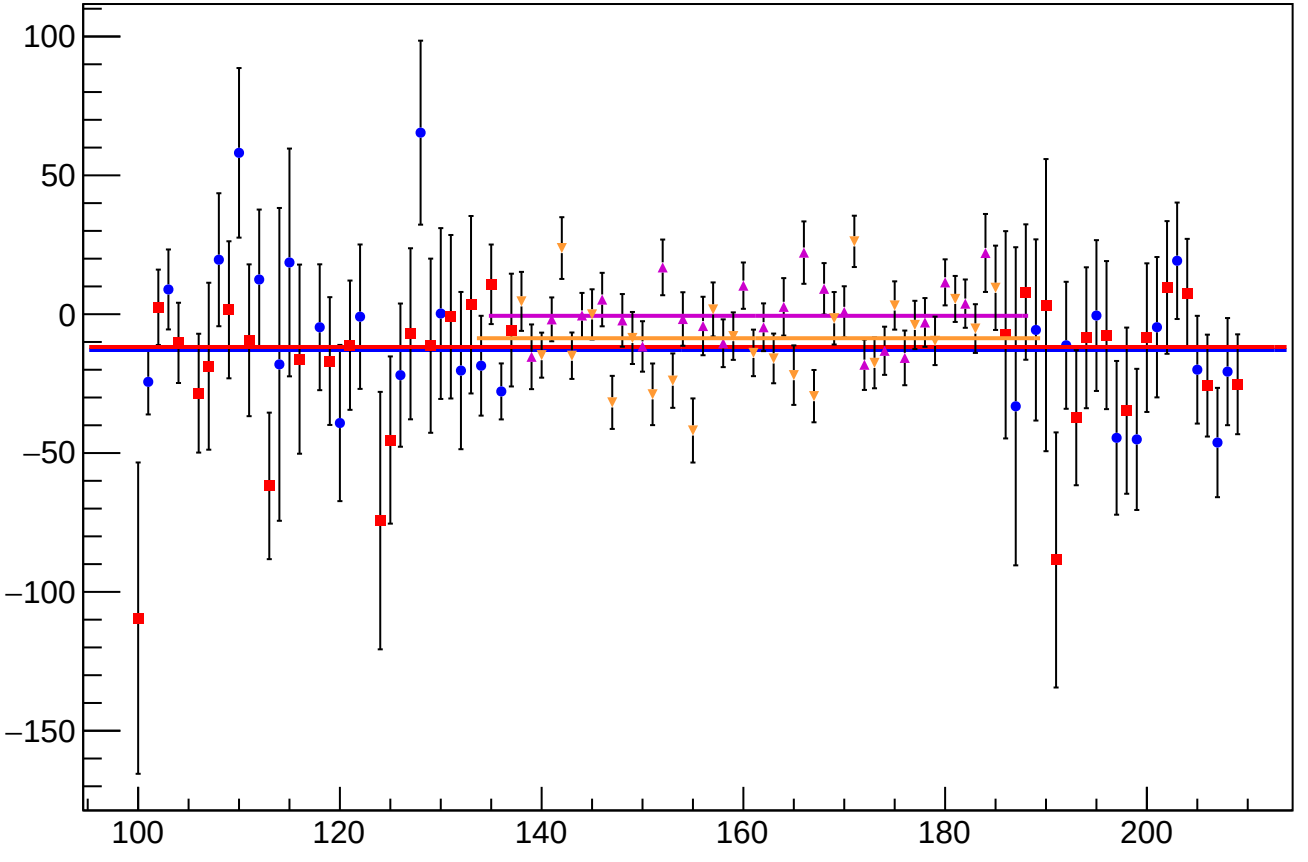
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 5969.674+/-0.728 χ^2/NDF: 2252378.3/51

All: 5952.584+/-0.513 χ^2/NDF: 5249824.5/10

- sign 5935.714+/-0.723 χ^2/NDF: 2996350.1/54

diff_bpm1X_mean vs Slug



Right In: -12.890+/-4.122 χ^2/NDF: 30.5/26

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

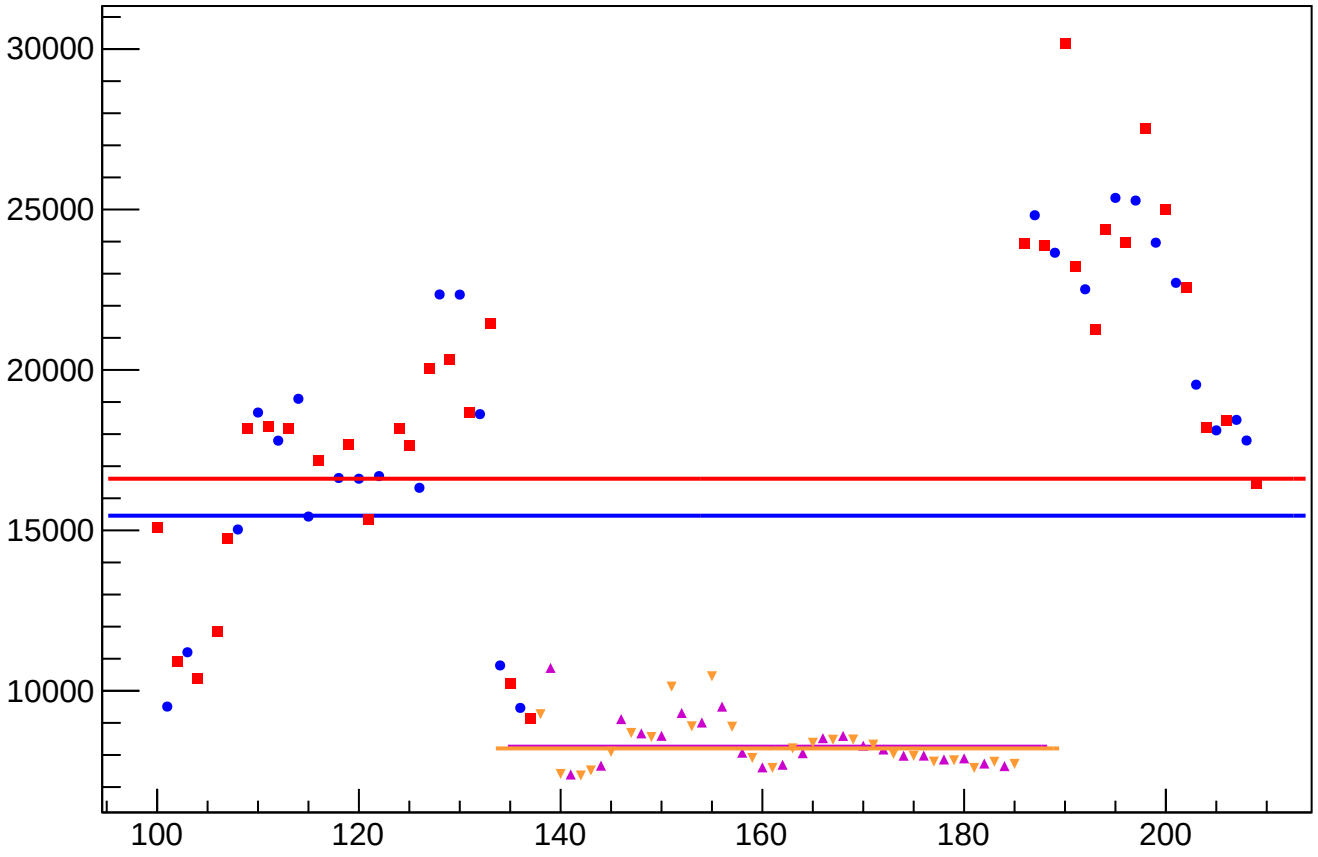
Right Out: -11.809+/-4.199 χ^2/NDF: 23.0/31

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.377+/-1.707 χ^2/NDF: 94.4/51

All: -6.072+/-1.225 χ^2/NDF: 159.5/106

- sign -2.556+/-1.760 χ^2/NDF: 57.4/54



Right In: 15457.796+/-2.915 χ^2/NDF: 3271210.6/26

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16609.893+/-2.969 χ^2/NDF: 3109354.9/31

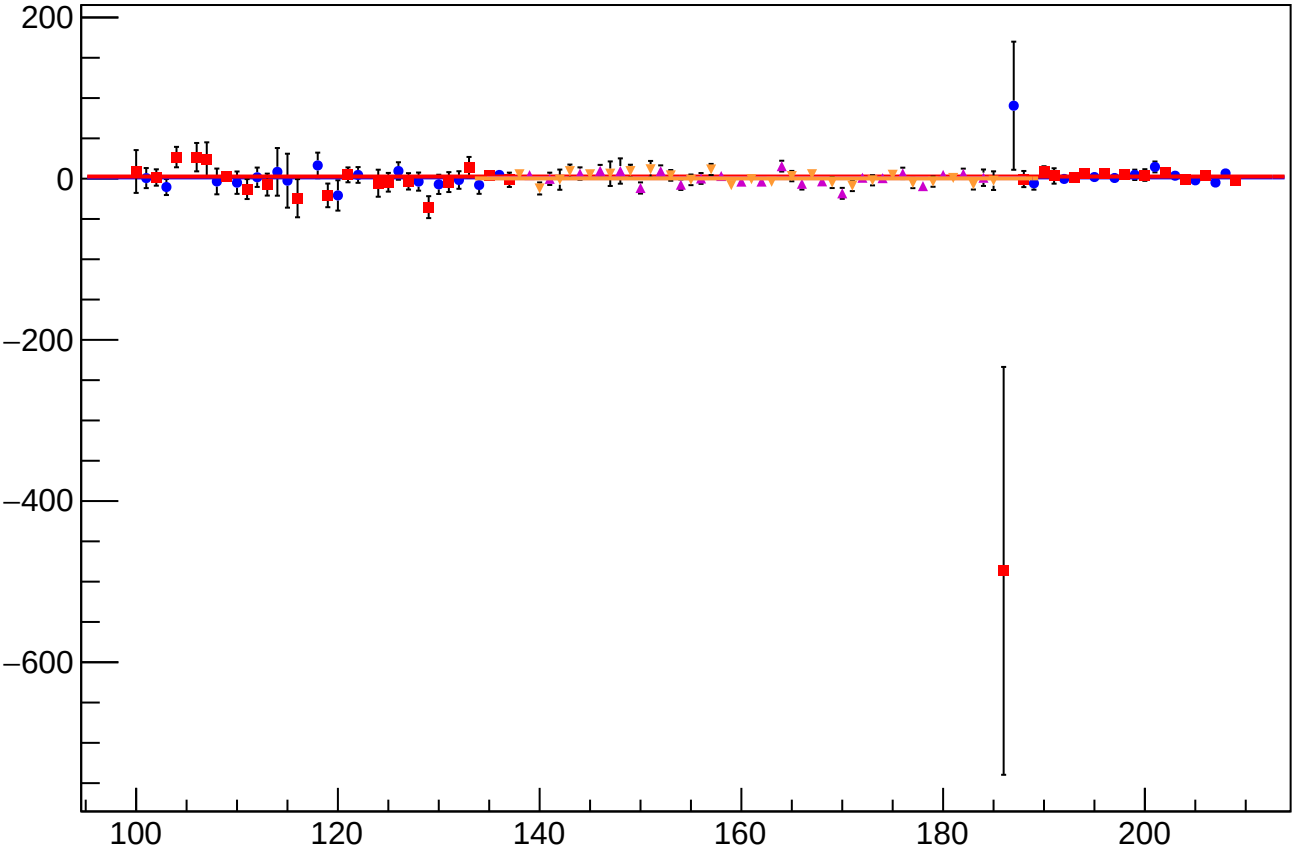
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9448.118+/-1.207 χ^2/NDF: 8675301.7/51

All: 9583.122+/-0.866 χ^2/NDF: 18588196.7/1

- sign 9726.714+/-1.245 χ^2/NDF: 9887072.6/54

diff_bpm1Y_mean vs Slug



Right In: 1.572+/-1.481 χ^2/NDF: 16.2/26

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.660+/-1.394 χ^2/NDF: 30.7/31

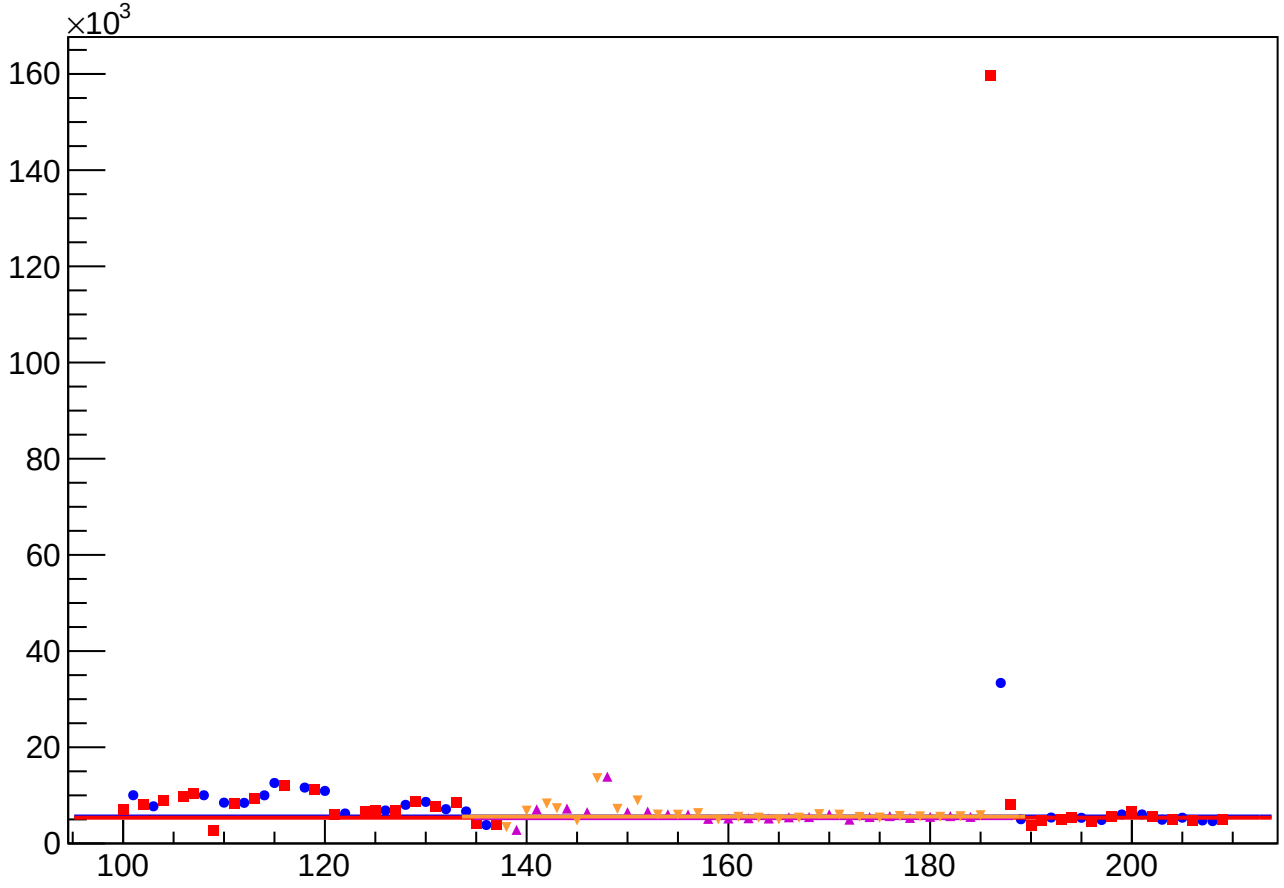
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.893+/-0.986 χ^2/NDF: 38.1/51

All: 1.266+/-0.683 χ^2/NDF: 100.0/106

- sign 1.610+/-0.947 χ^2/NDF: 61.6/54

diff_bpm1Y_rms vs Slug



Right In: 5604.647+/-1.047 χ^2/NDF: 2434973.2/26

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5356.214+/-0.986 χ^2/NDF: 3794878.9/31

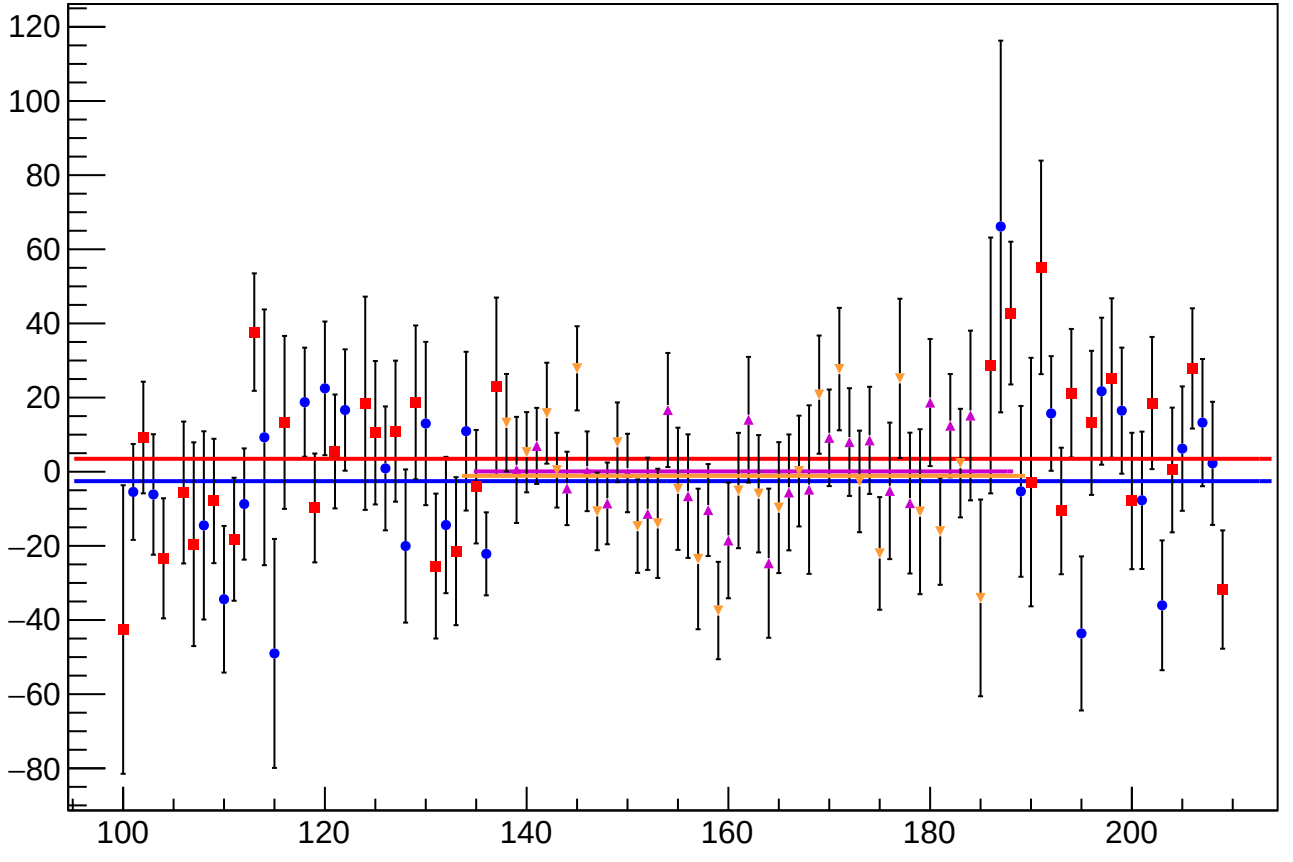
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5598.999+/-0.697 χ^2/NDF: 4219284.6/51

All: 5446.557+/-0.483 χ^2/NDF: 10536488.4/1

- sign 5305.916+/-0.670 χ^2/NDF: 6225322.3/54

diff_bpm11X_mean vs Slug



Right In: -2.541+/-3.445 χ^2/NDF: 30.9/26

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

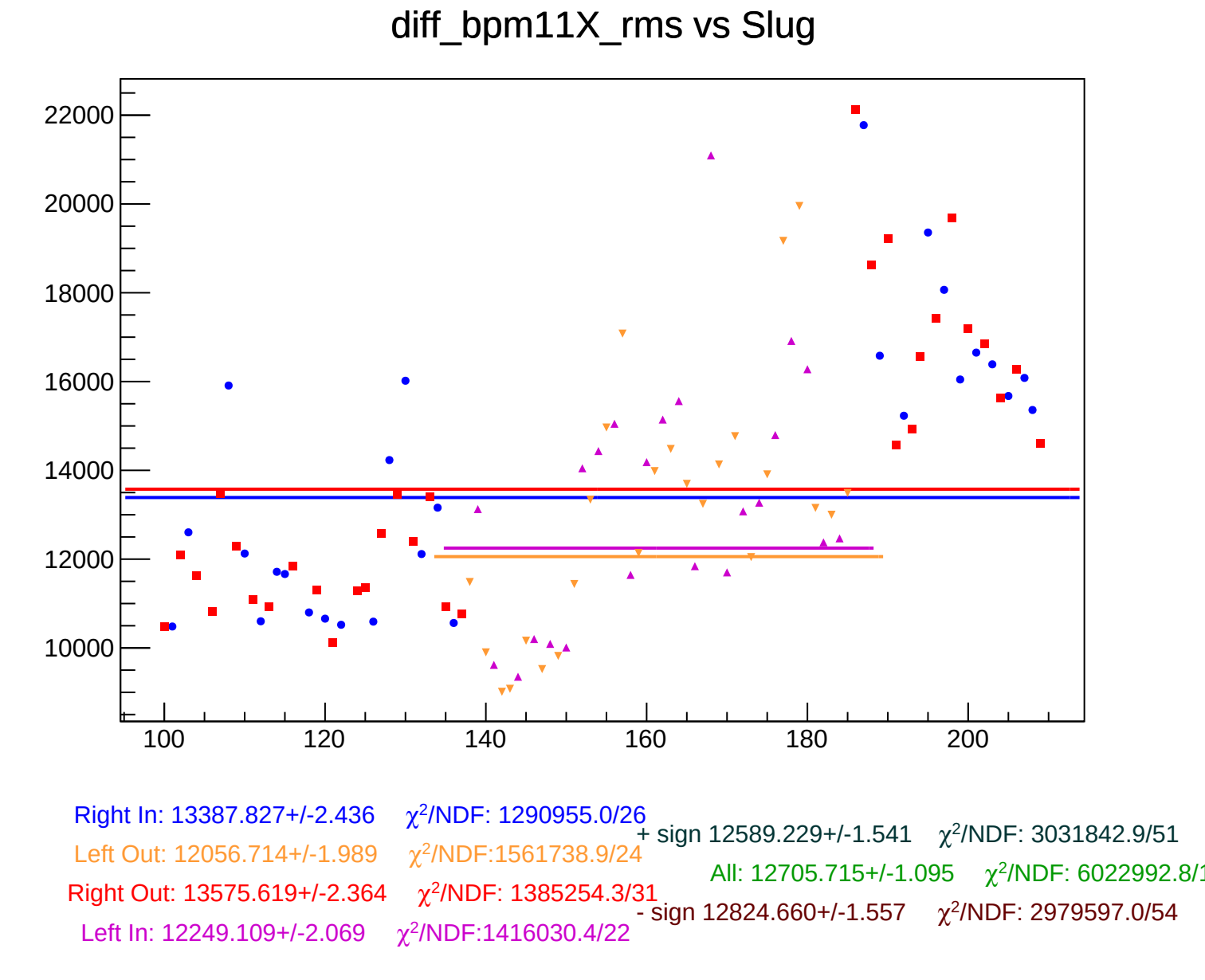
Right Out: 3.484+/-3.343 χ^2/NDF: 38.0/31

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

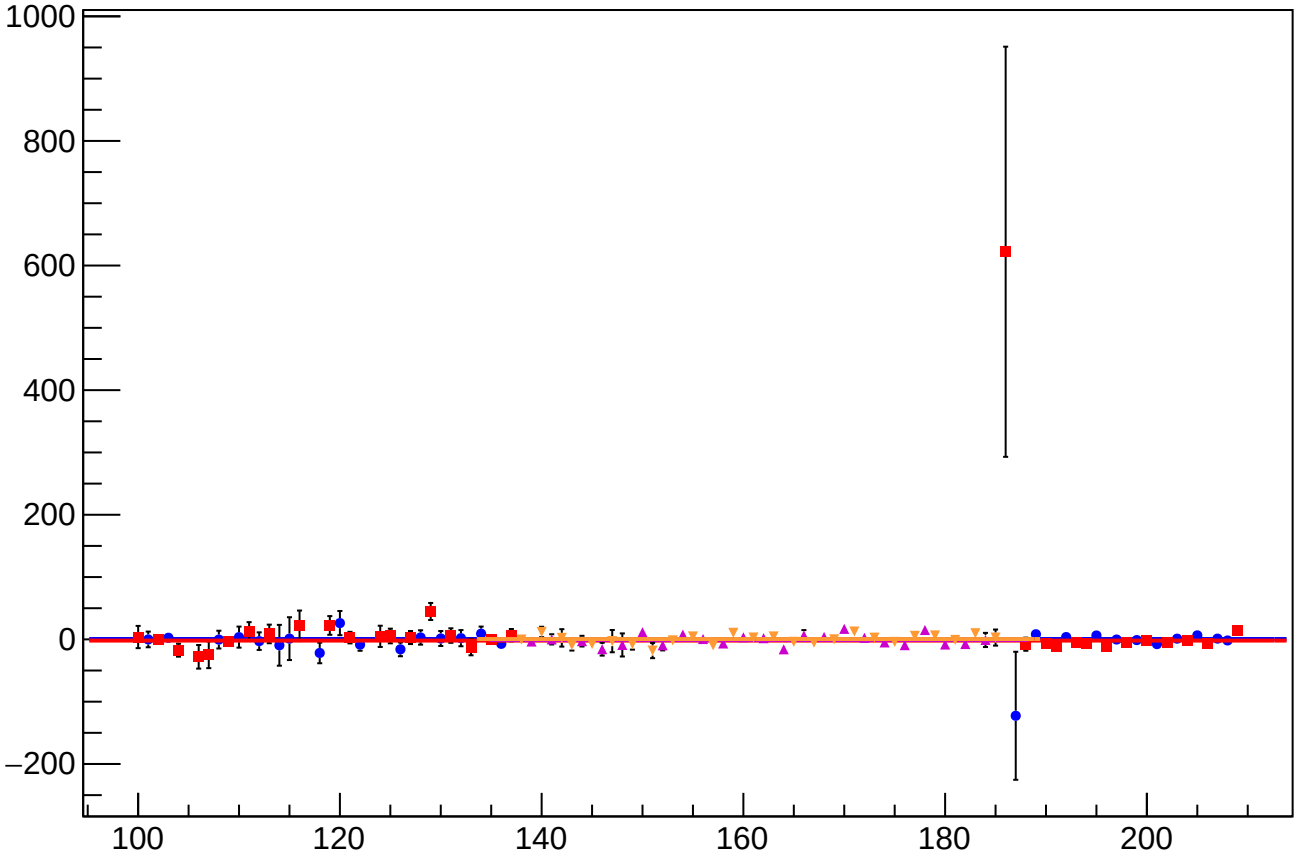
+ sign -1.683+/-2.179 χ^2/NDF: 64.8/51

All: -0.079+/-1.549 χ^2/NDF: 115.9/106

- sign 1.560+/-2.202 χ^2/NDF: 50.1/54


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 13387.827+/-2.436 χ²/NDF: 1290955.0/26
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13575.619+/-2.364 χ²/NDF: 1385254.3/31
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12589.229+/-1.541 χ²/NDF: 3031842.9/51
All: 12705.715+/-1.095 χ²/NDF: 6022992.8/1
- sign 12824.660+/-1.557 χ²/NDF: 2979597.0/54

diff_bpm11Y_mean vs Slug



Right In: 0.547+/-1.278 χ^2/NDF: 20.1/26

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -1.936+/-1.213 χ^2/NDF: 58.6/31

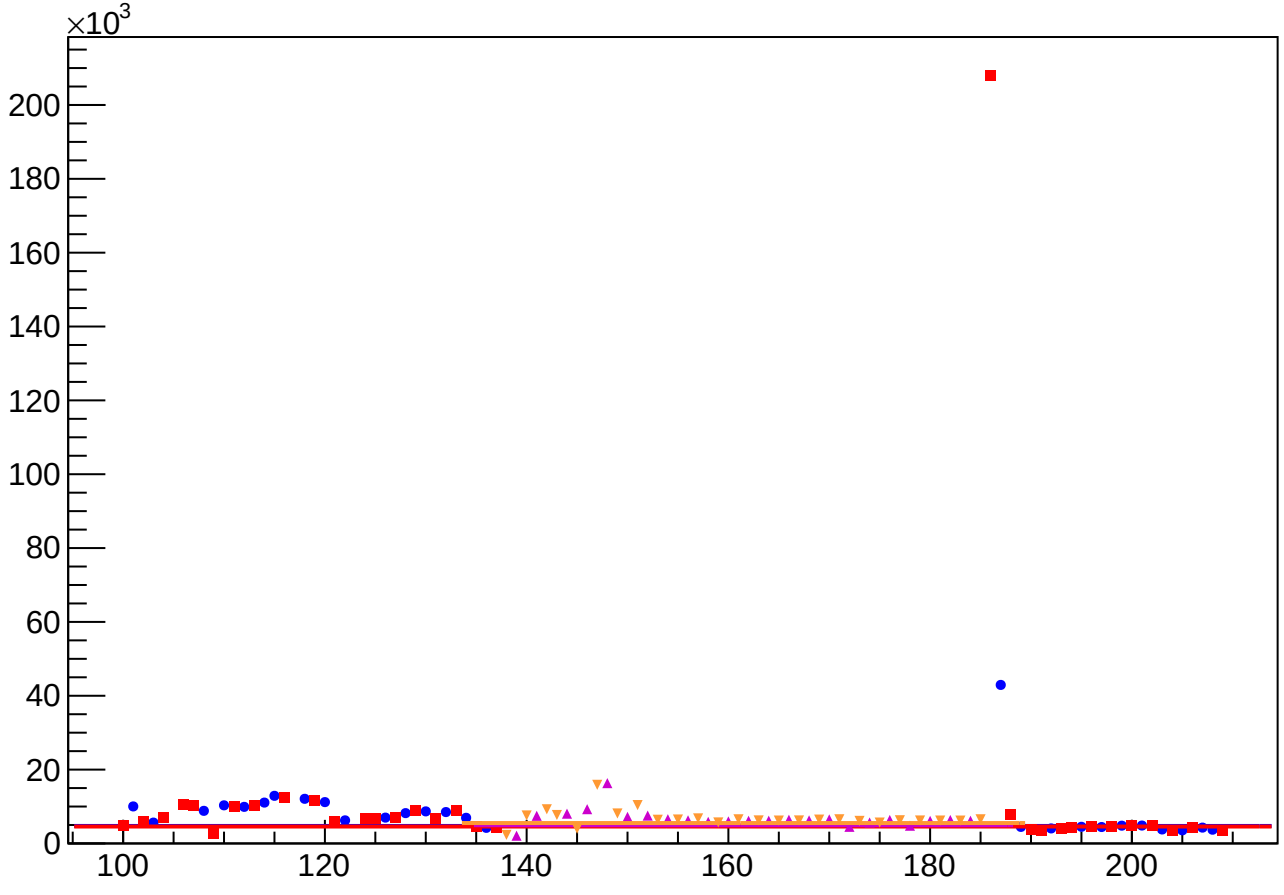
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.537+/-0.934 χ^2/NDF: 41.5/51

All: -0.522+/-0.642 χ^2/NDF: 135.1/106

- sign -1.473+/-0.885 χ^2/NDF: 91.1/54

diff_bpm11Y_rms vs Slug



Right In: 4738.757+/-0.903 χ^2/NDF: 3423468.2/26

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

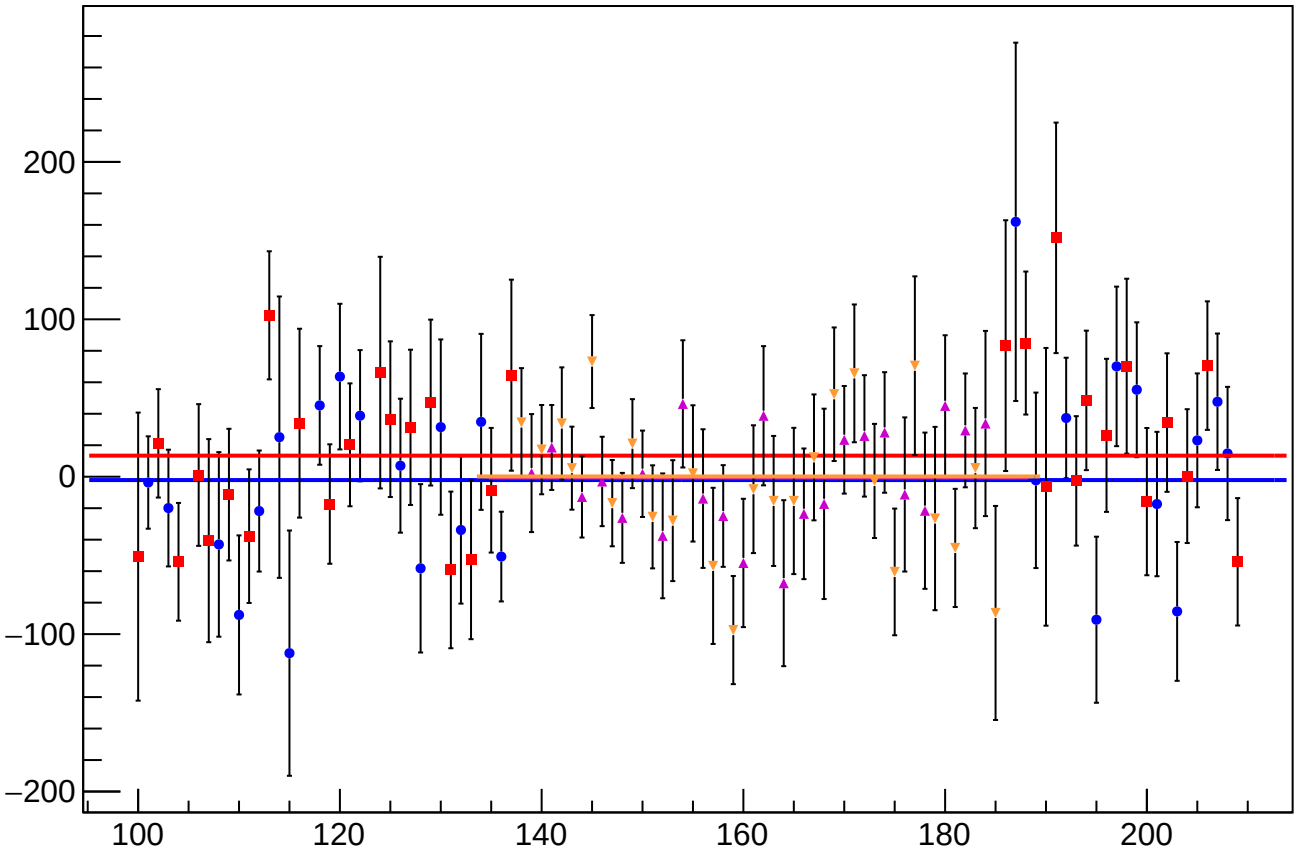
Right Out: 4587.505+/-0.858 χ^2/NDF: 4179430.7/31

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5106.261+/-0.660 χ^2/NDF: 8154499.6/51

All: 4920.258+/-0.454 χ^2/NDF: 18500452.4/1

- sign 4753.251+/-0.626 χ^2/NDF: 10195417.0/54



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

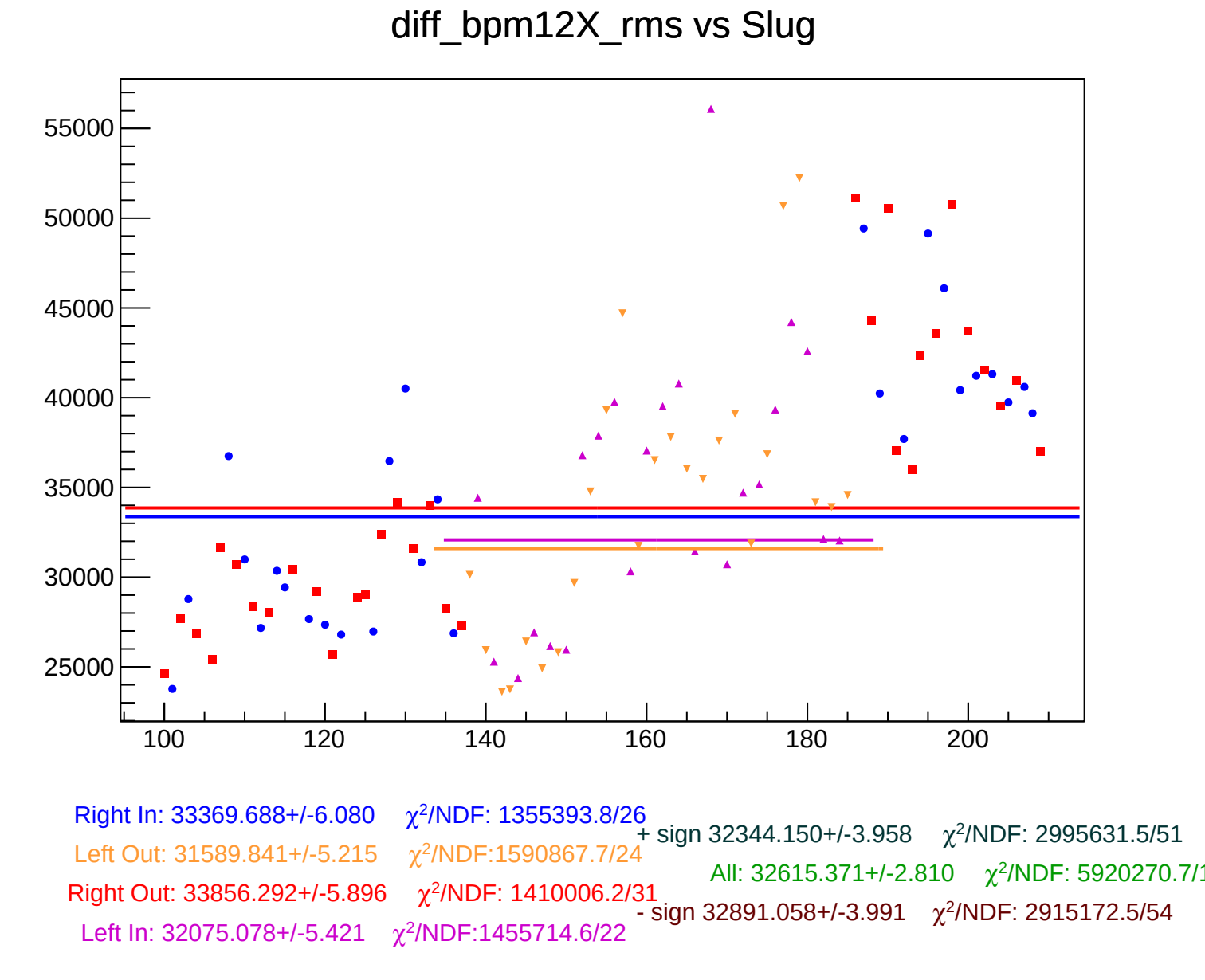
Right Out: 13.387+/-8.339 χ^2/NDF: 32.3/31

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

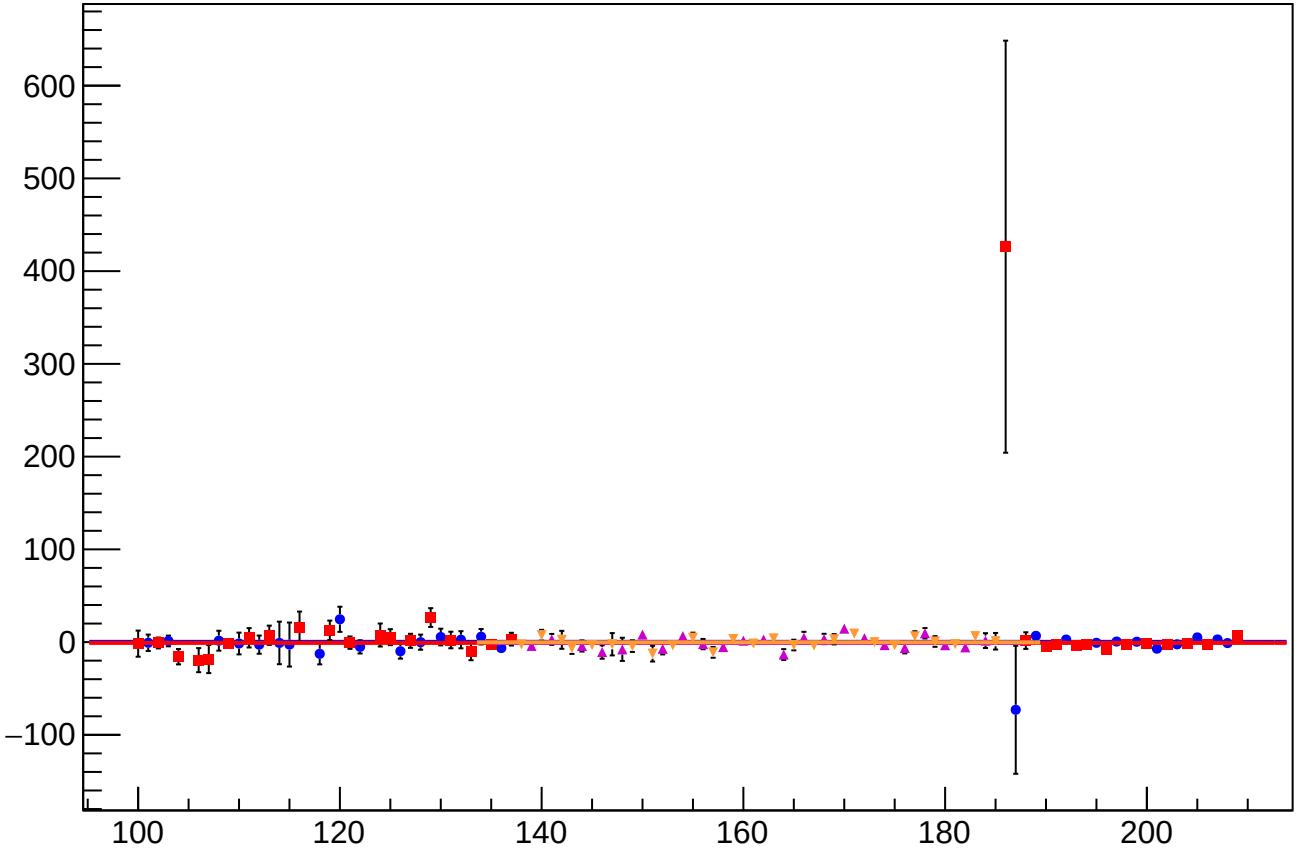
+ sign -0.805+/-5.598 χ^2/NDF: 62.3/51

All: 2.478+/-3.975 χ^2/NDF: 109.6/106

- sign 5.815+/-5.644 χ^2/NDF: 46.6/54


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33369.688+/-6.080 χ²/NDF: 1355393.8/26
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33856.292+/-5.896 χ²/NDF: 1410006.2/31
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32344.150+/-3.958 χ²/NDF: 2995631.5/51
All: 32615.371+/-2.810 χ²/NDF: 5920270.7/1
- sign 32891.058+/-3.991 χ²/NDF: 2915172.5/54

diff_bpm12Y_mean vs Slug



Right In: 0.281+/-0.776 χ^2/NDF: 28.5/26

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -0.874+/-0.775 χ^2/NDF: 47.3/31

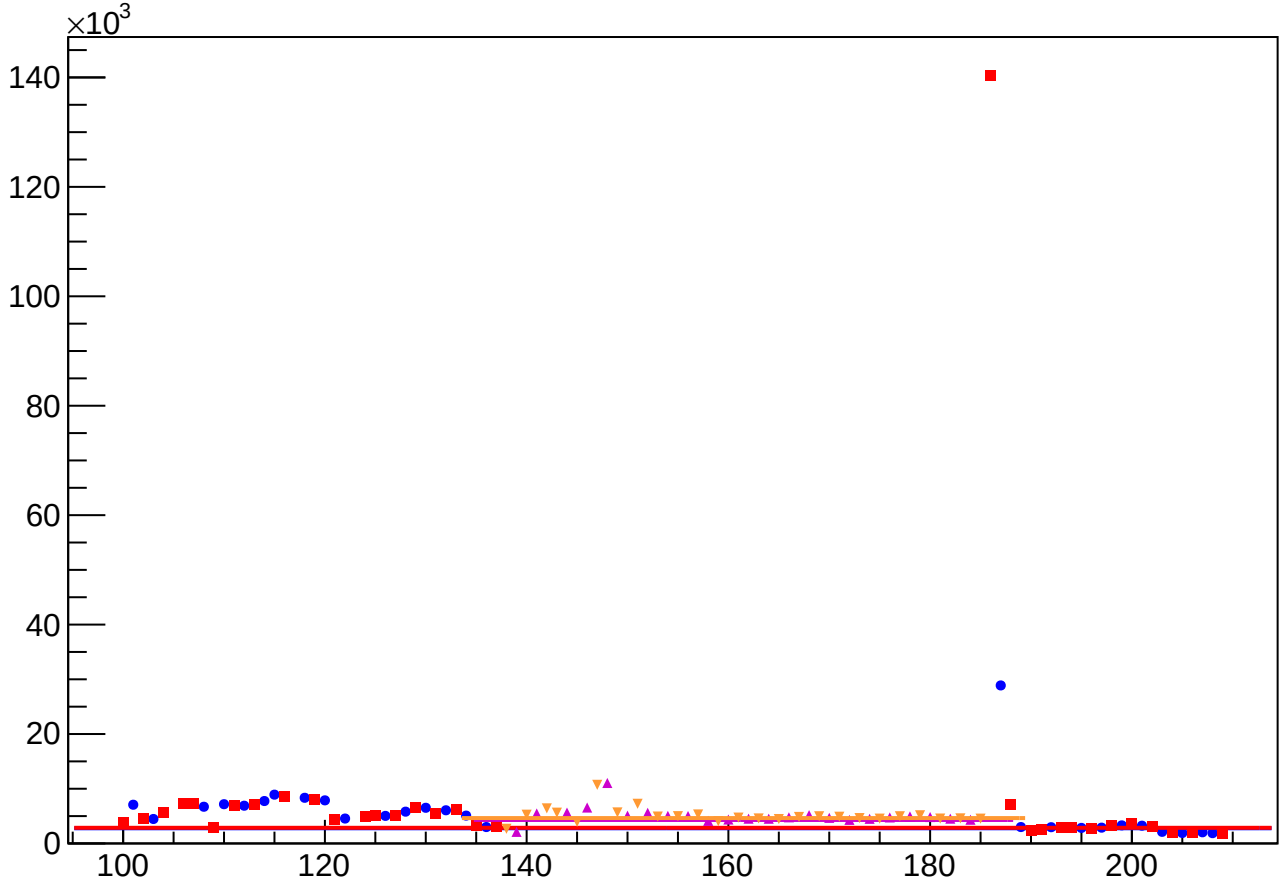
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign 0.112+/-0.633 χ^2/NDF: 48.5/51

All: -0.371+/-0.445 χ^2/NDF: 130.7/106

- sign -0.844+/-0.626 χ^2/NDF: 81.0/54

diff_bpm12Y_rms vs Slug



Right In: 2775.046+/-0.549 χ^2/NDF: 5366299.0/26

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2860.815+/-0.548 χ^2/NDF: 5956044.7/31

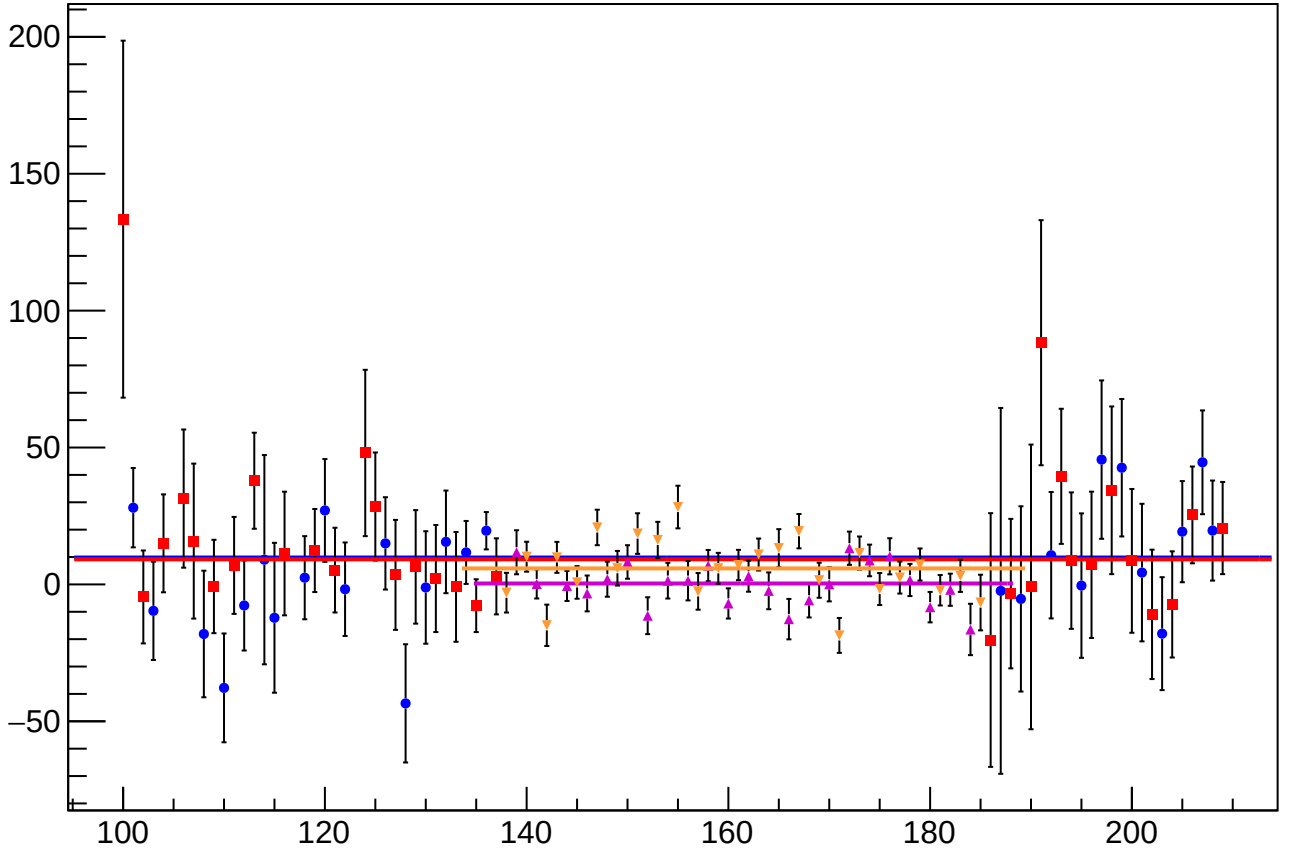
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3398.296+/-0.447 χ^2/NDF: 10986163.4/51

All: 3379.054+/-0.315 χ^2/NDF: 22425280.4/1

- sign 3360.233+/-0.443 χ^2/NDF: 11435459.1/54

diff_bpm16X_mean vs Slug



Right In: 9.822+/-3.364 χ^2/NDF: 31.3/26

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 9.161+/-3.524 χ^2/NDF: 23.4/31

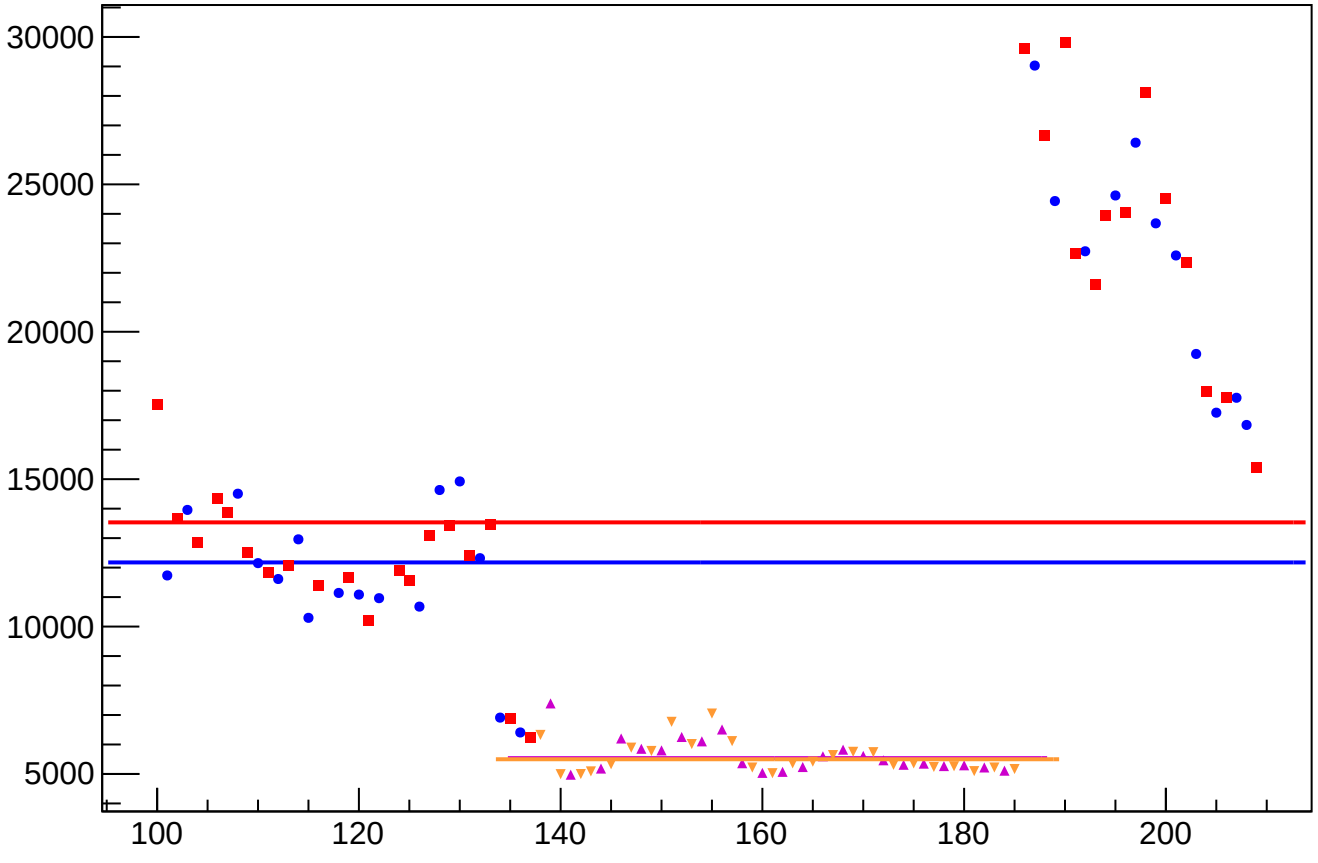
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.336+/-1.178 χ^2/NDF: 92.6/51

All: 3.953+/-0.847 χ^2/NDF: 159.4/106

- sign 1.395+/-1.220 χ^2/NDF: 58.3/54

diff_bpm16X_rms vs Slug



Right In: 12175.753+/-2.379 χ^2/NDF: 5199278.5/26

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13534.209+/-2.492 χ^2/NDF: 4909009.1/31

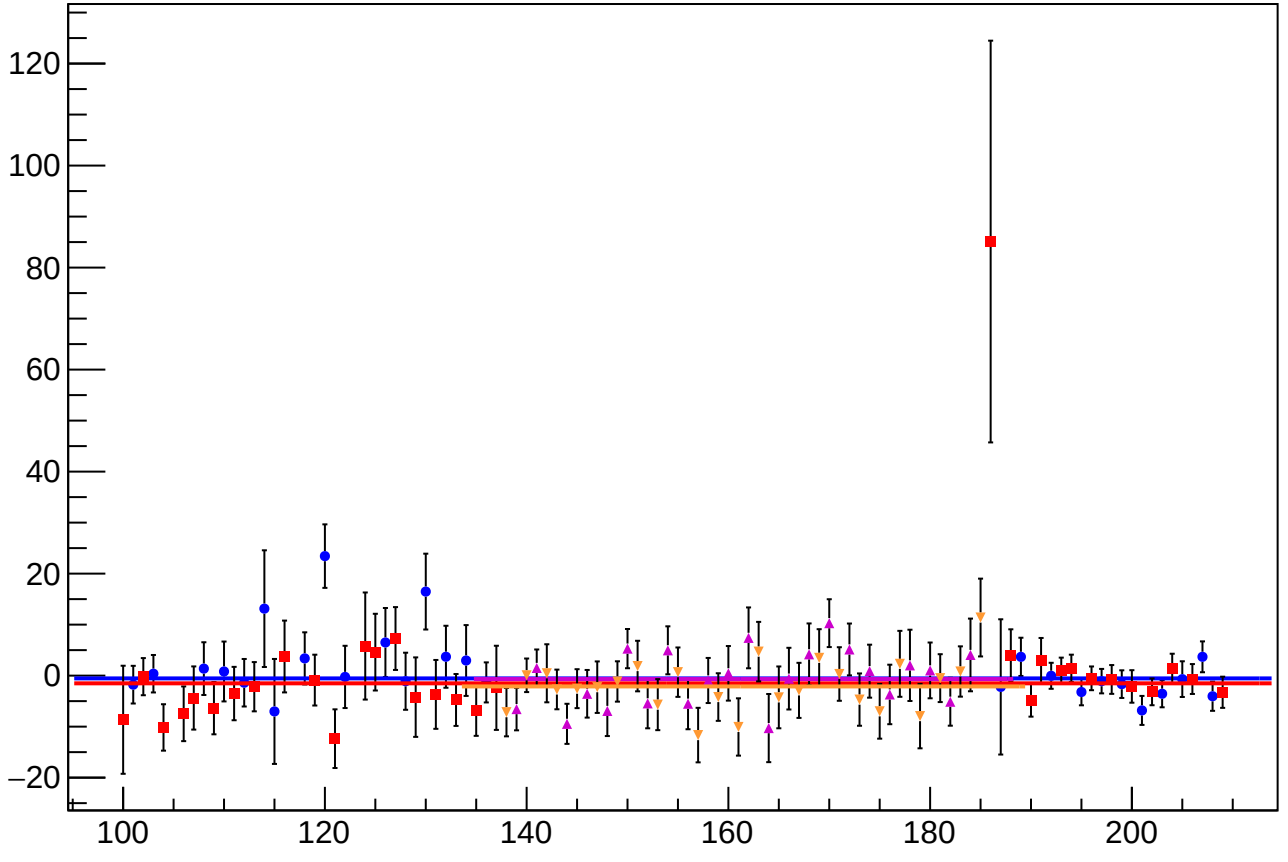
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6317.737+/-0.833 χ^2/NDF: 12409924.9/51

All: 6404.063+/-0.599 χ^2/NDF: 26709152.4/1

- sign 6496.730+/-0.863 χ^2/NDF: 14276950.3/54

diff_bpm16Y_mean vs Slug



Right In: -0.544+/-0.741 χ^2/NDF: 37.0/26

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.510+/-0.715 χ^2/NDF: 28.1/31

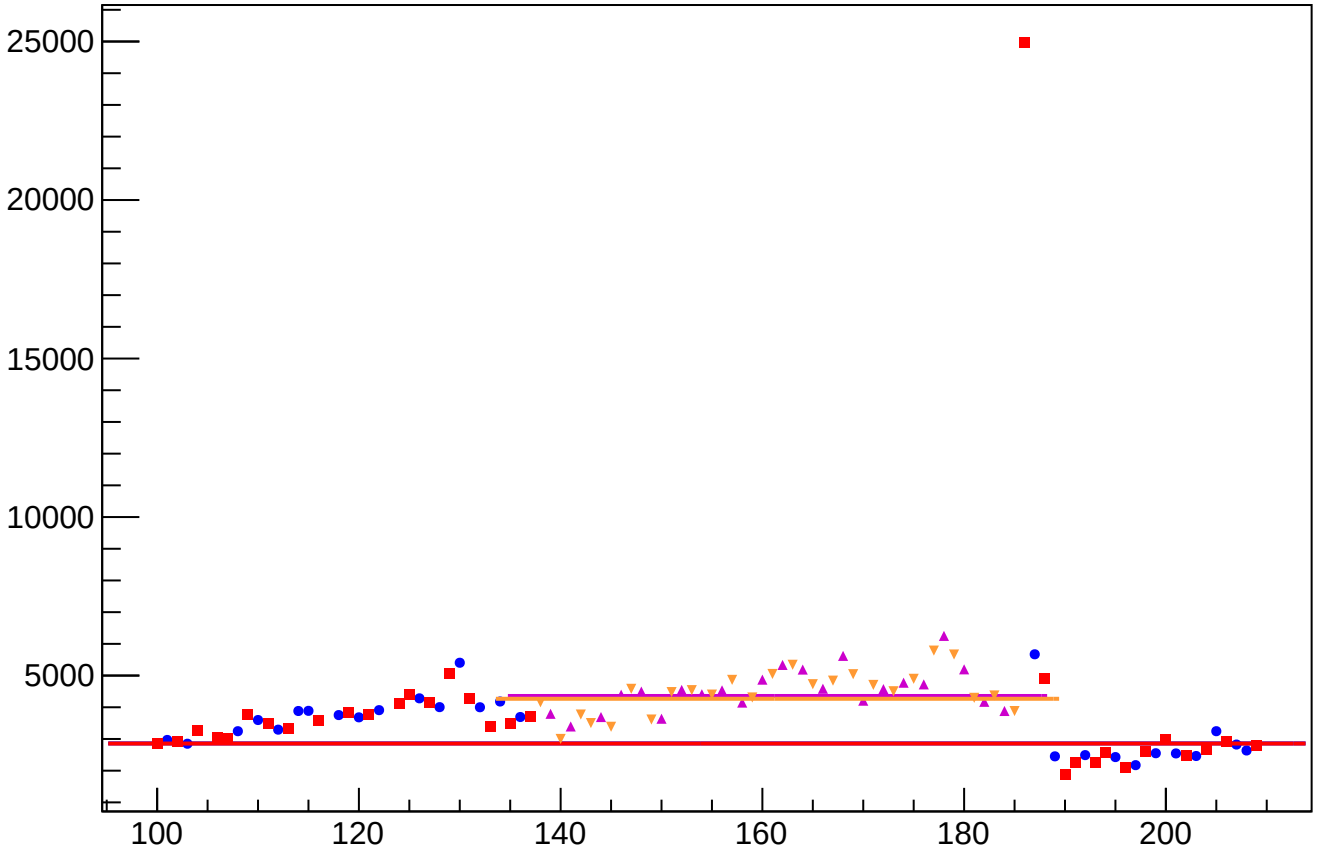
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.111+/-0.593 χ^2/NDF: 56.1/51

All: -1.175+/-0.417 χ^2/NDF: 113.0/106

- sign -1.238+/-0.587 χ^2/NDF: 56.9/54

diff_bpm16Y_rms vs Slug



Right In: 2859.989+/-0.524 χ^2/NDF: 1398483.6/26

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2855.542+/-0.505 χ^2/NDF: 2416773.5/31

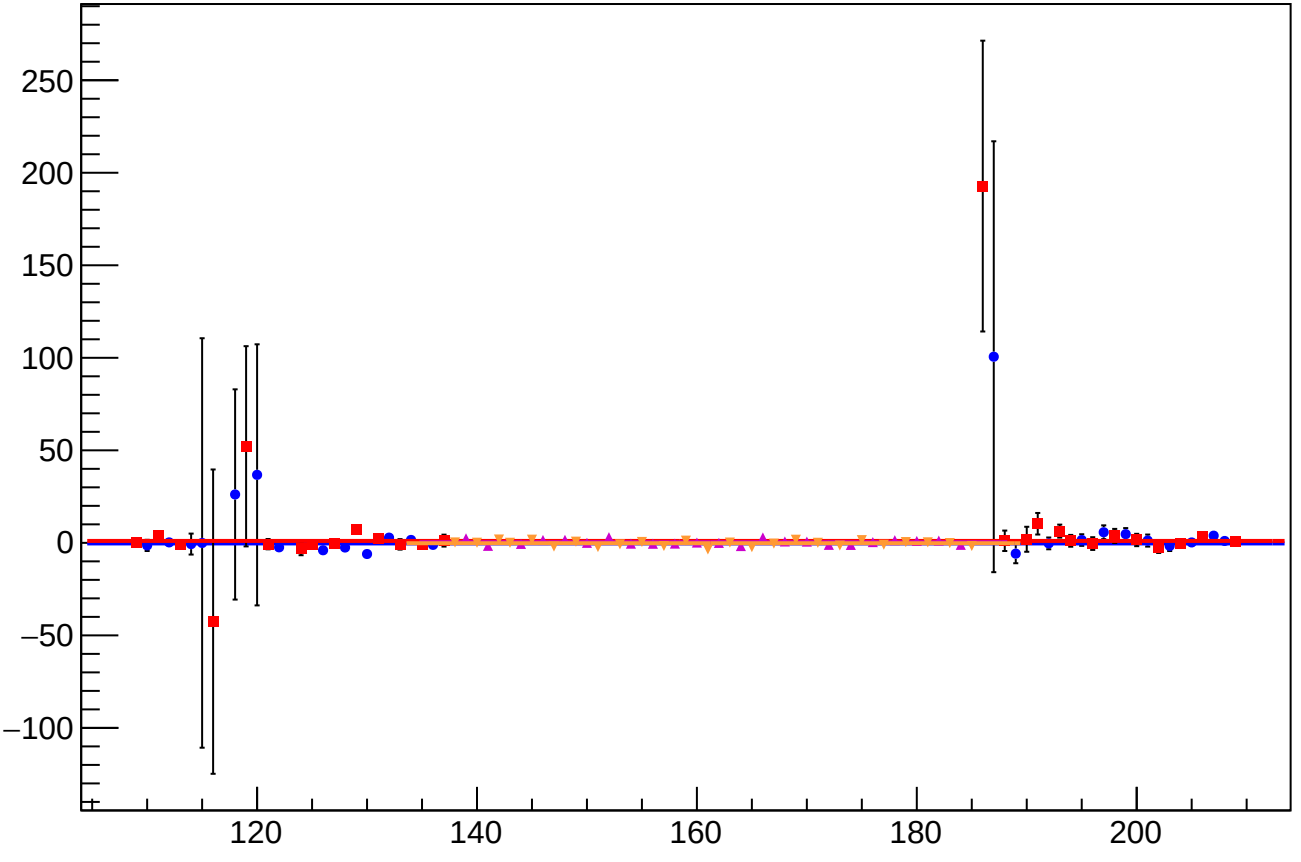
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3367.441+/-0.419 χ^2/NDF: 5033195.5/51

All: 3354.910+/-0.295 χ^2/NDF: 11055807.0/1

- sign 3342.607+/-0.415 χ^2/NDF: 6020840.1/54

diff_bpm1p02bX_mean vs Slug



Right In: -0.315+/-0.563 χ^2/NDF: 26.1/23

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.039+/-0.556 χ^2/NDF: 27.6/26

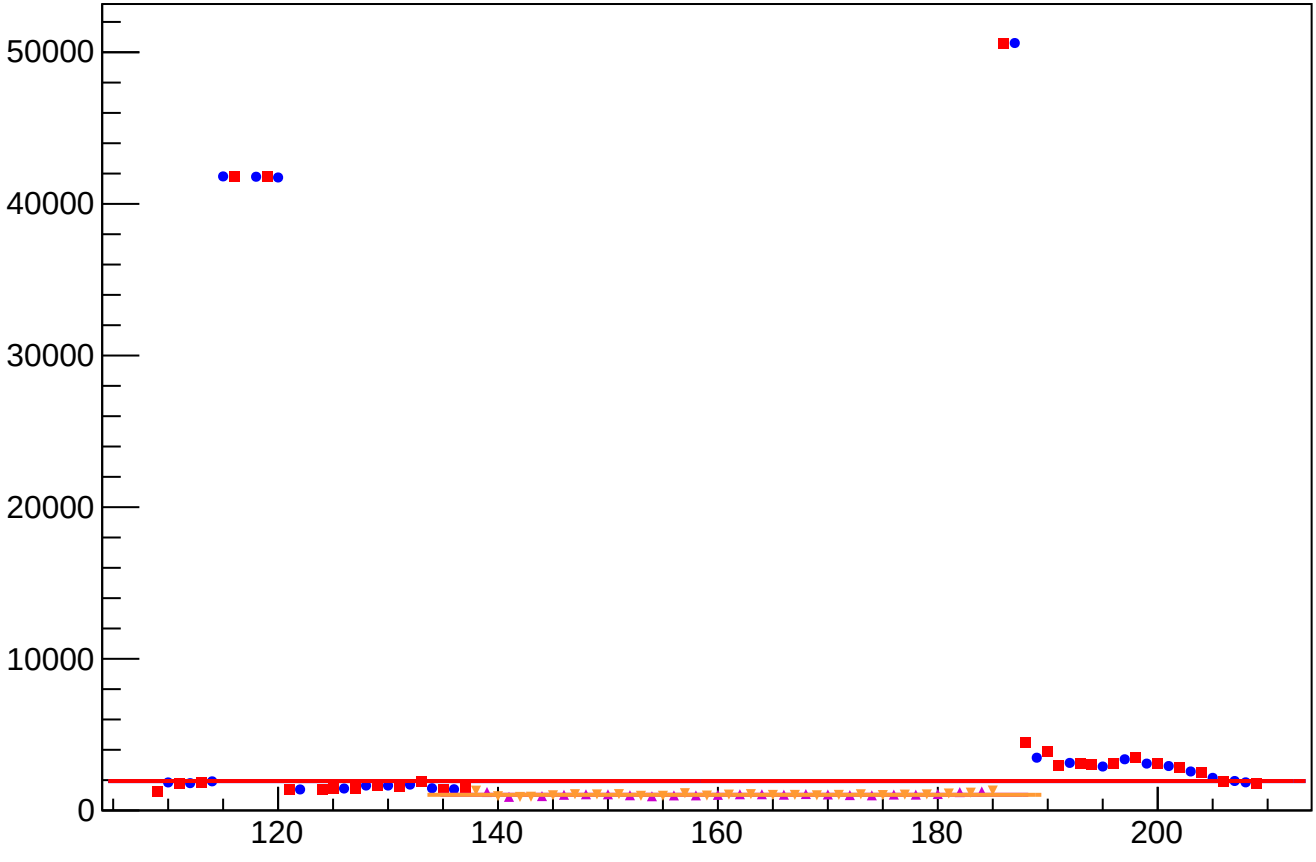
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.218+/-0.217 χ^2/NDF: 60.1/48

All: 0.107+/-0.155 χ^2/NDF: 123.0/98

- sign 0.446+/-0.222 χ^2/NDF: 58.4/49

diff_bpm1p02bX_rms vs Slug



Right In: 1934.251+/-0.398 χ^2/NDF: 4389987.2/23

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1940.820+/-0.393 χ^2/NDF: 5359275.2/26

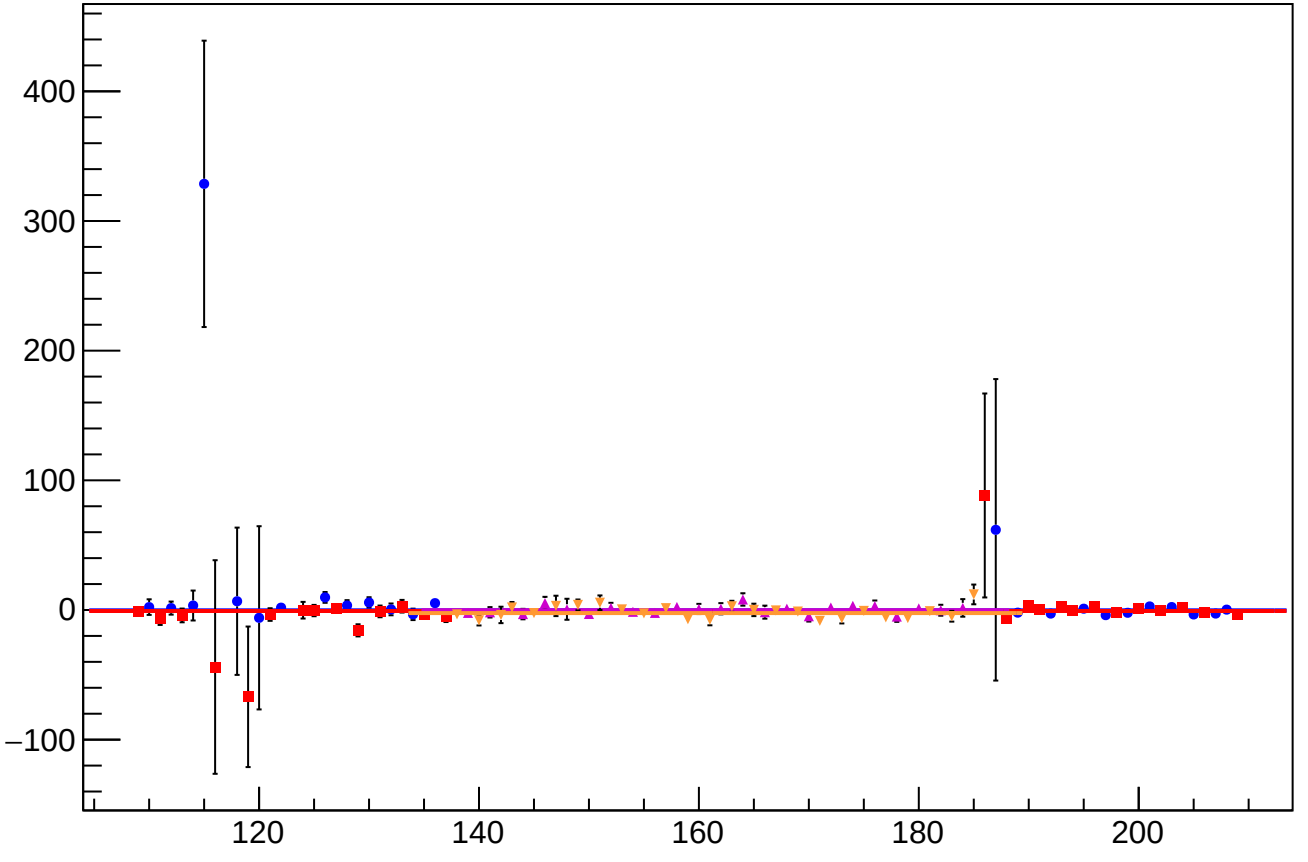
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1166.042+/-0.154 χ^2/NDF: 9015054.6/48

All: 1171.584+/-0.110 χ^2/NDF: 19044405.1/9

- sign 1177.373+/-0.157 χ^2/NDF: 10026689.6/49

diff_bpm1p02bY_mean vs Slug



Right In: -0.266+/-0.517 χ^2/NDF: 44.1/23

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.774+/-0.523 χ^2/NDF: 35.0/26

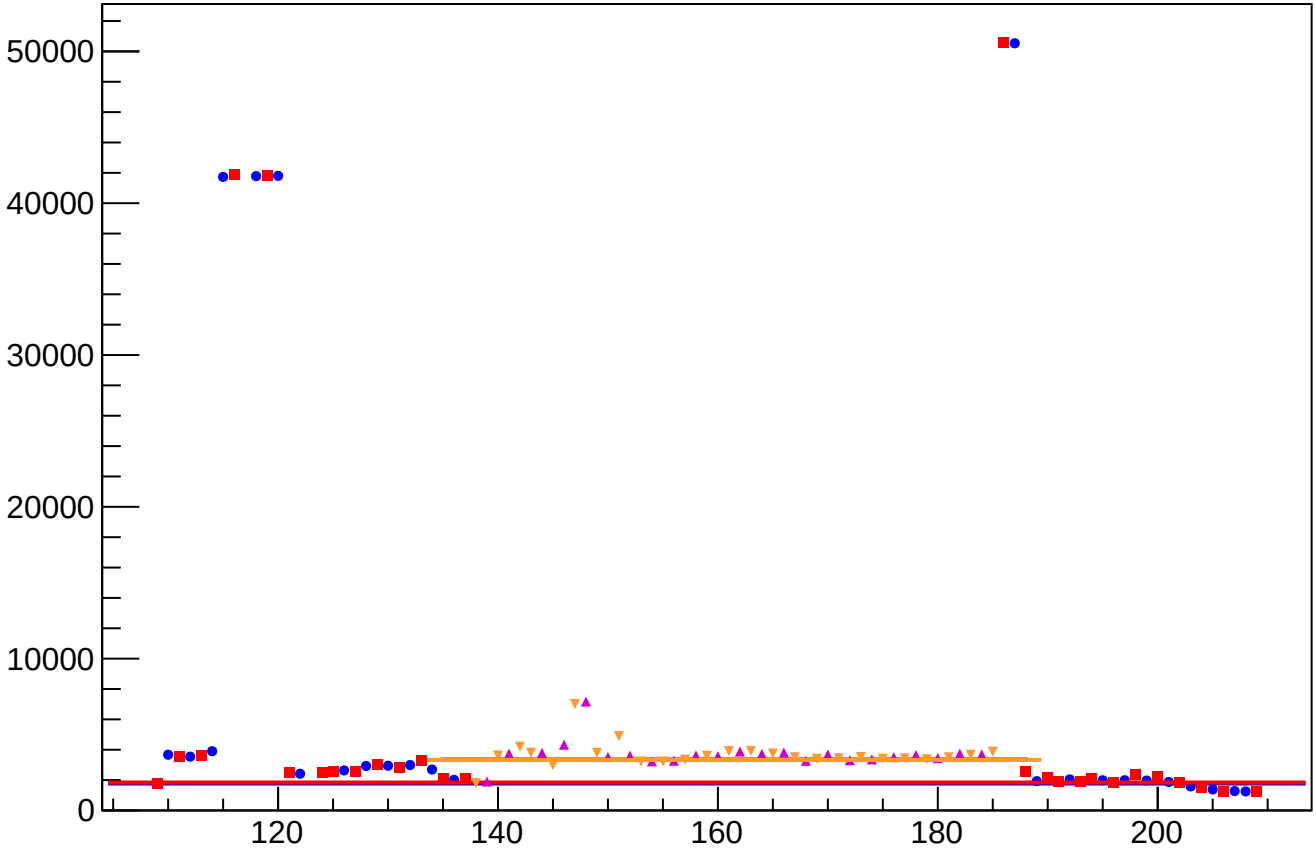
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.909+/-0.431 χ^2/NDF: 73.5/48

All: -0.756+/-0.308 χ^2/NDF: 121.8/98

- sign -0.597+/-0.439 χ^2/NDF: 48.0/49

diff_bpm1p02bY_rms vs Slug



Right In: 1774.608+/-0.366 χ^2/NDF: 4312187.8/23

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

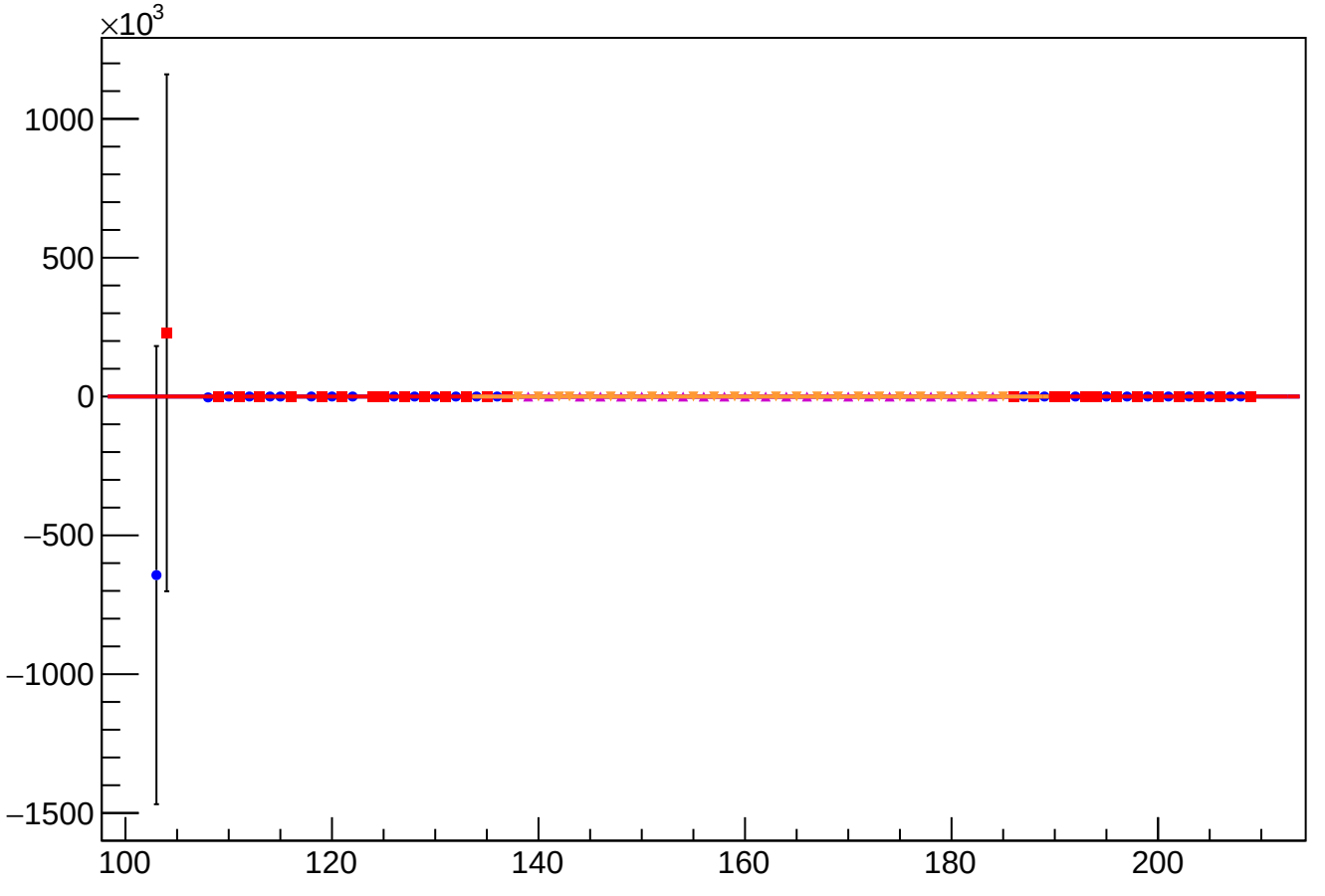
Right Out: 1842.528+/-0.370 χ^2/NDF: 4471041.7/26

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2247.170+/-0.305 χ^2/NDF: 11719666.1/48

All: 2267.814+/-0.218 χ^2/NDF: 22813686.5/9

- sign 2289.211+/-0.311 χ^2/NDF: 11084691.1/49



Right In: -1.417+/-0.598 χ^2/NDF: 29.2/25

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -1.784+/-0.596 χ^2/NDF: 25.2/27

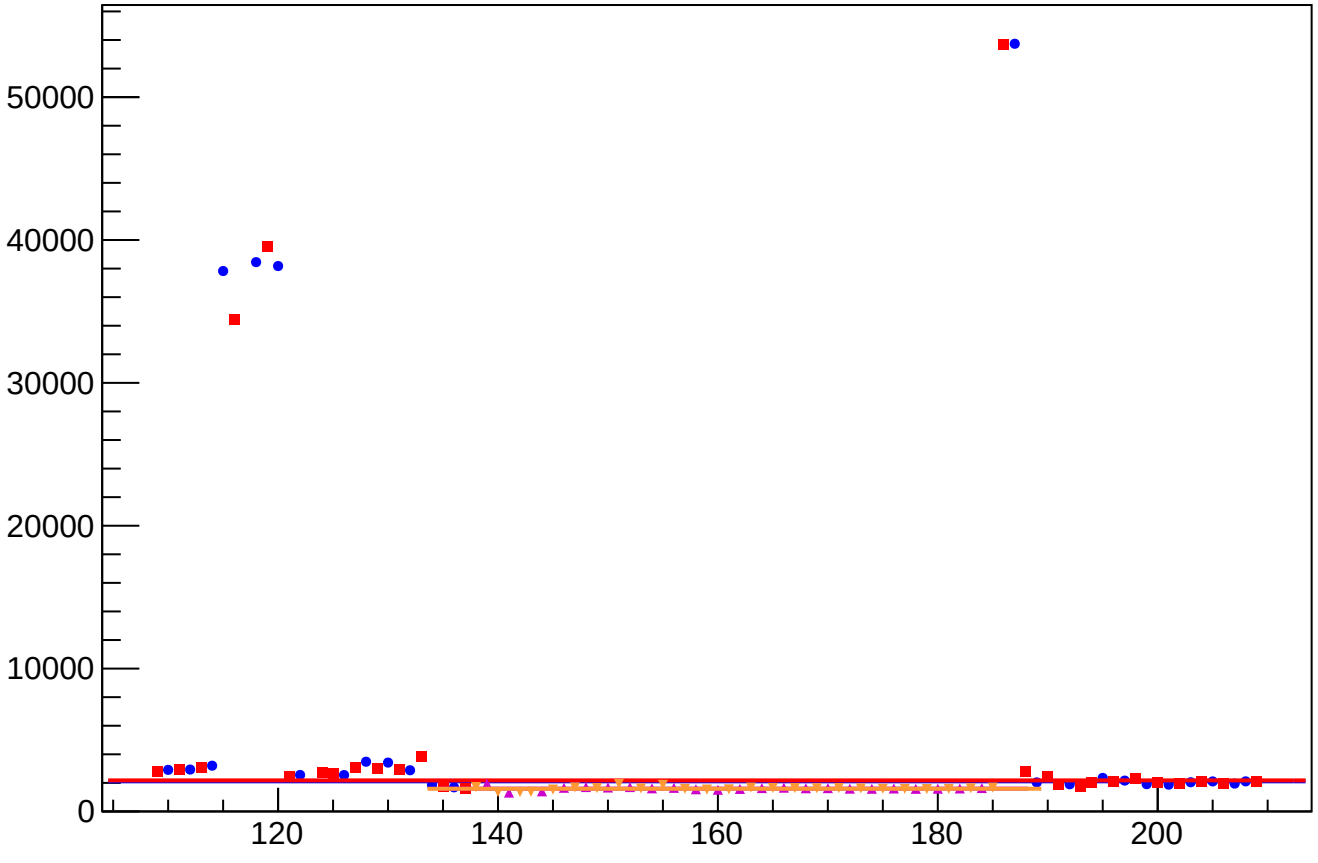
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.531+/-0.310 χ^2/NDF: 79.5/50

All: -1.023+/-0.222 χ^2/NDF: 144.1/101

- sign -0.492+/-0.317 χ^2/NDF: 59.0/50

diff_bpm1p03aX_rms vs Slug



Right In: 2108.706+/-0.423 χ^2/NDF: 2981161.5/23

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2174.097+/-0.422 χ^2/NDF: 3248724.8/26

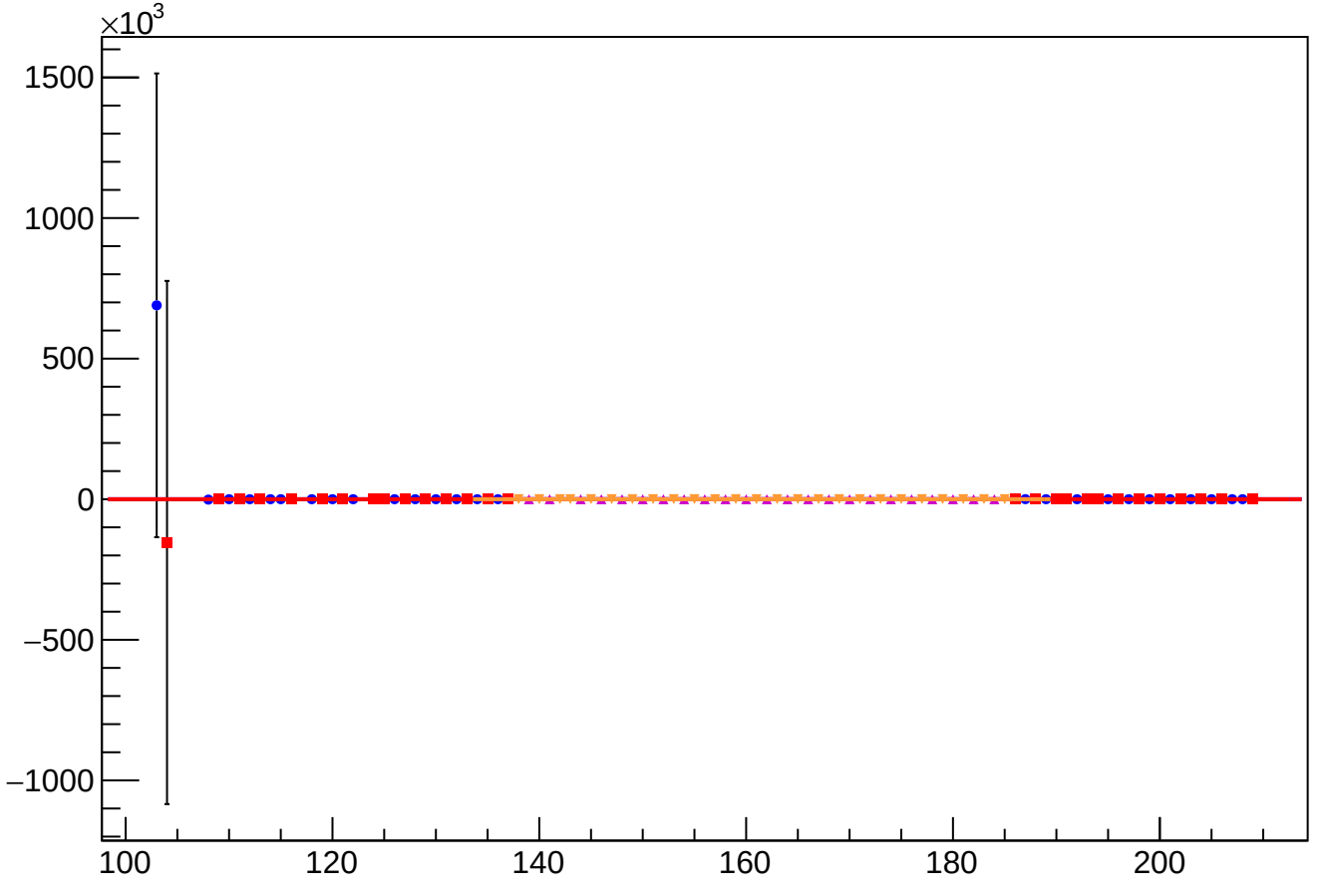
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1729.267+/-0.219 χ^2/NDF: 4315827.7/48

All: 1744.124+/-0.157 χ^2/NDF: 9118314.3/98

- sign 1759.646+/-0.224 χ^2/NDF: 4793107.8/49

diff_bpm1p03aY_mean vs Slug



Right In: 0.176+/-0.443 χ^2/NDF: 24.6/25

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.240+/-0.444 χ^2/NDF: 31.7/27

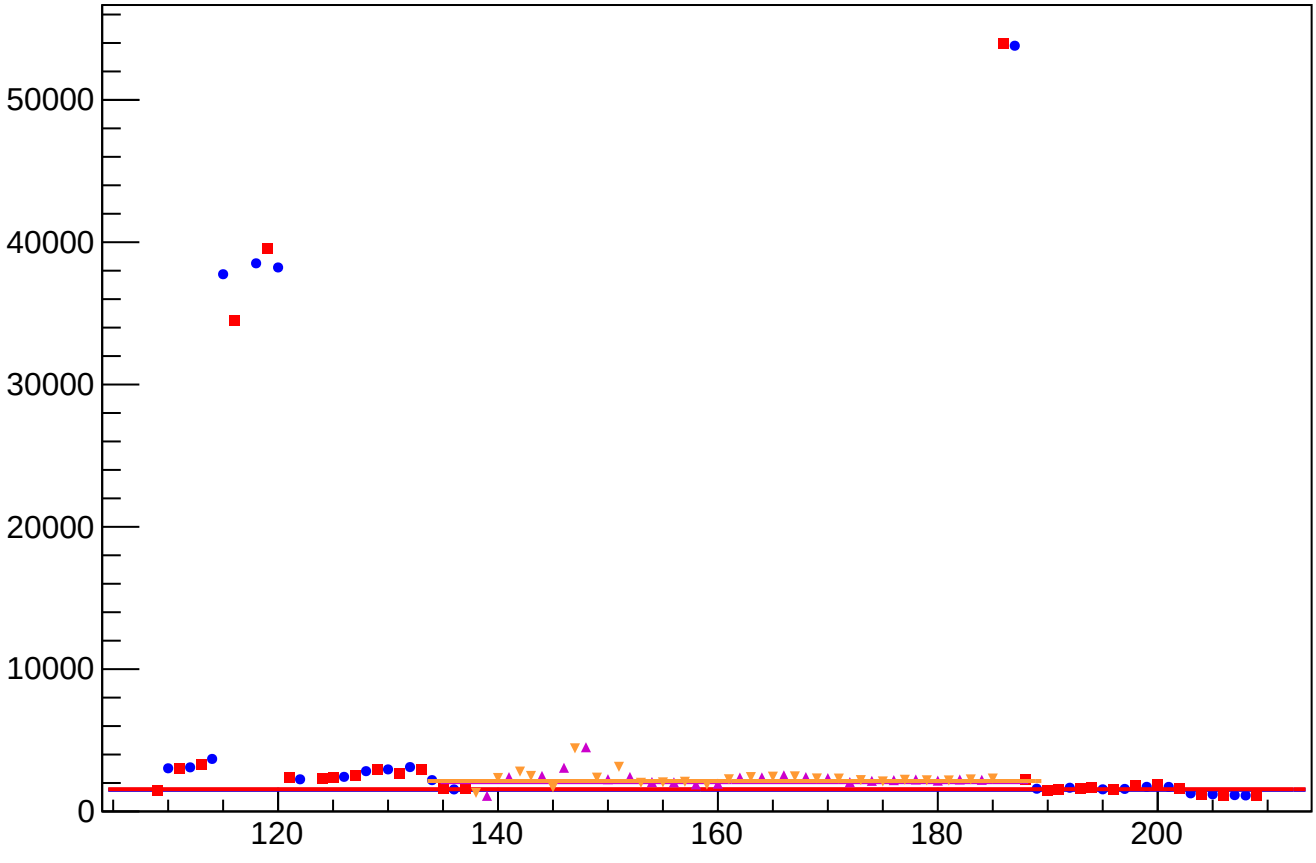
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.417+/-0.332 χ^2/NDF: 53.1/50

All: -0.248+/-0.235 χ^2/NDF: 102.4/101

- sign -0.080+/-0.332 χ^2/NDF: 48.9/50

diff_bpm1p03aY_rms vs Slug



Right In: 1517.963+/-0.313 χ^2/NDF: 4391751.7/23

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1563.928+/-0.314 χ^2/NDF: 4507960.3/26

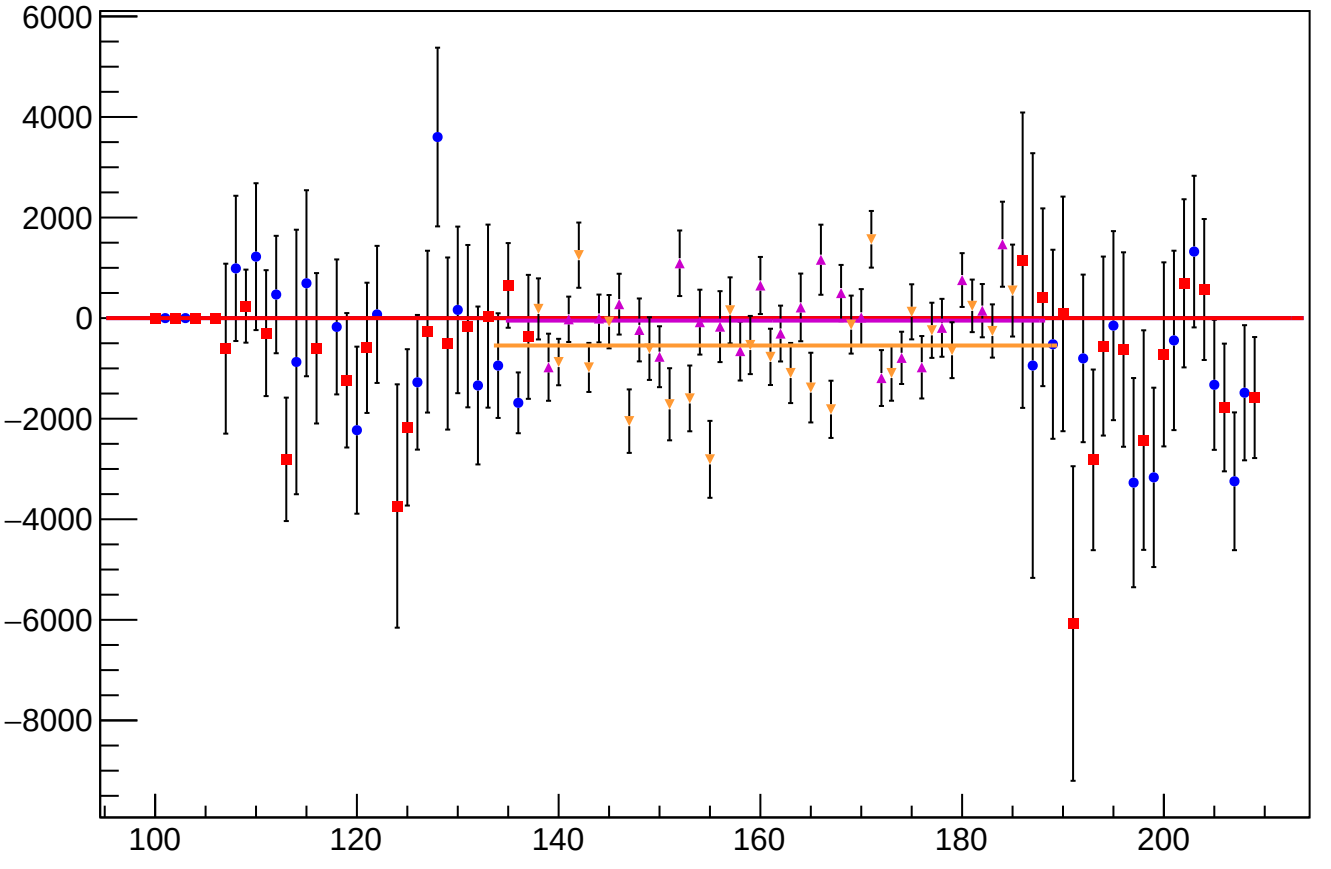
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1789.700+/-0.235 χ^2/NDF: 7592075.0/48

All: 1785.419+/-0.166 χ^2/NDF: 15484502.6/9

- sign 1781.138+/-0.235 χ^2/NDF: 7891763.6/49

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 32.5/26

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 27.5/31

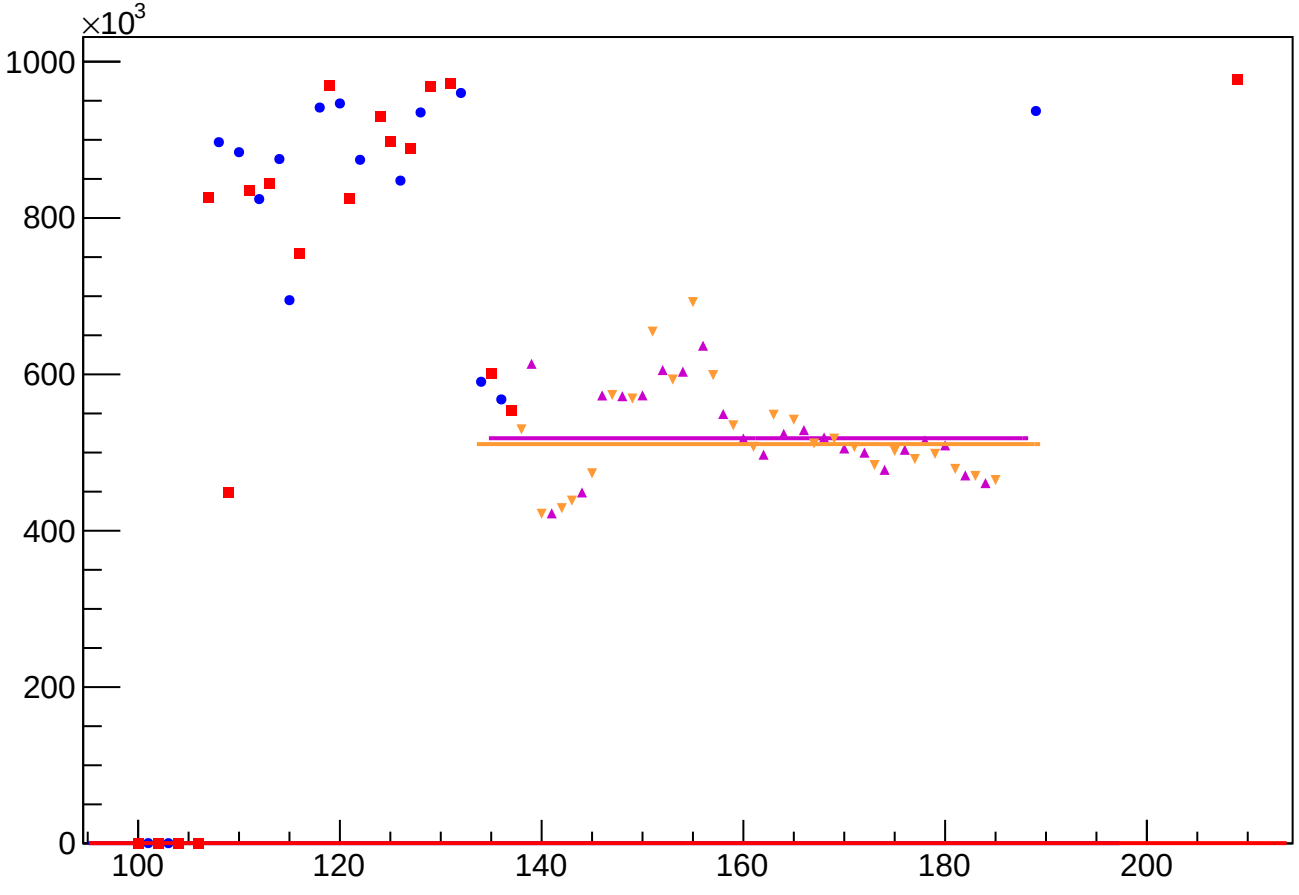
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 114.9/51

All: 0.166+/-0.241 χ^2/NDF: 170.6/106

- sign 0.095+/-0.328 χ^2/NDF: 55.6/54

diff_cav4bX_rms vs Slug



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: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

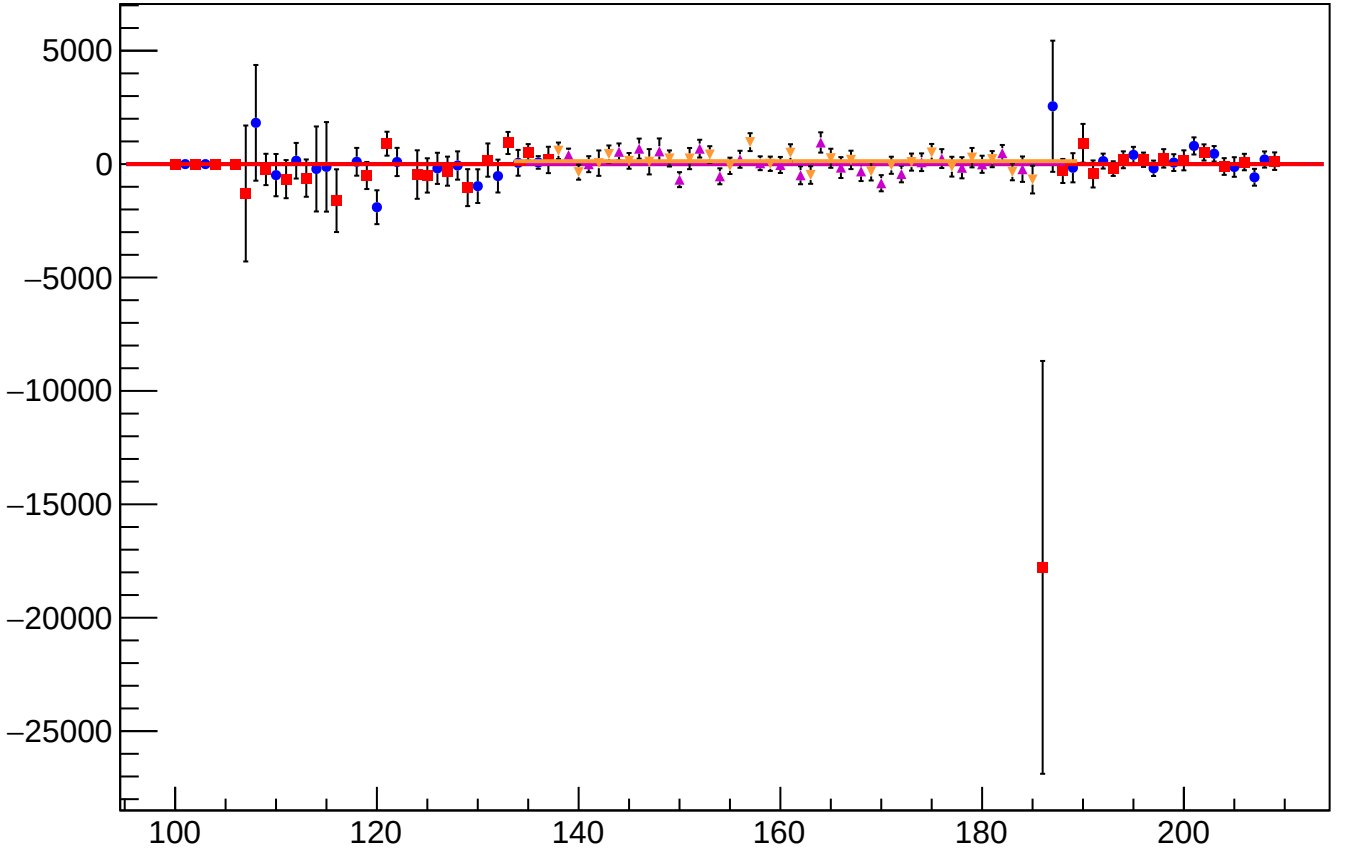
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

- sign 396.985+/-0.232 χ^2/NDF: 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.019+/-0.347 χ^2/NDF: 22.2/26

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

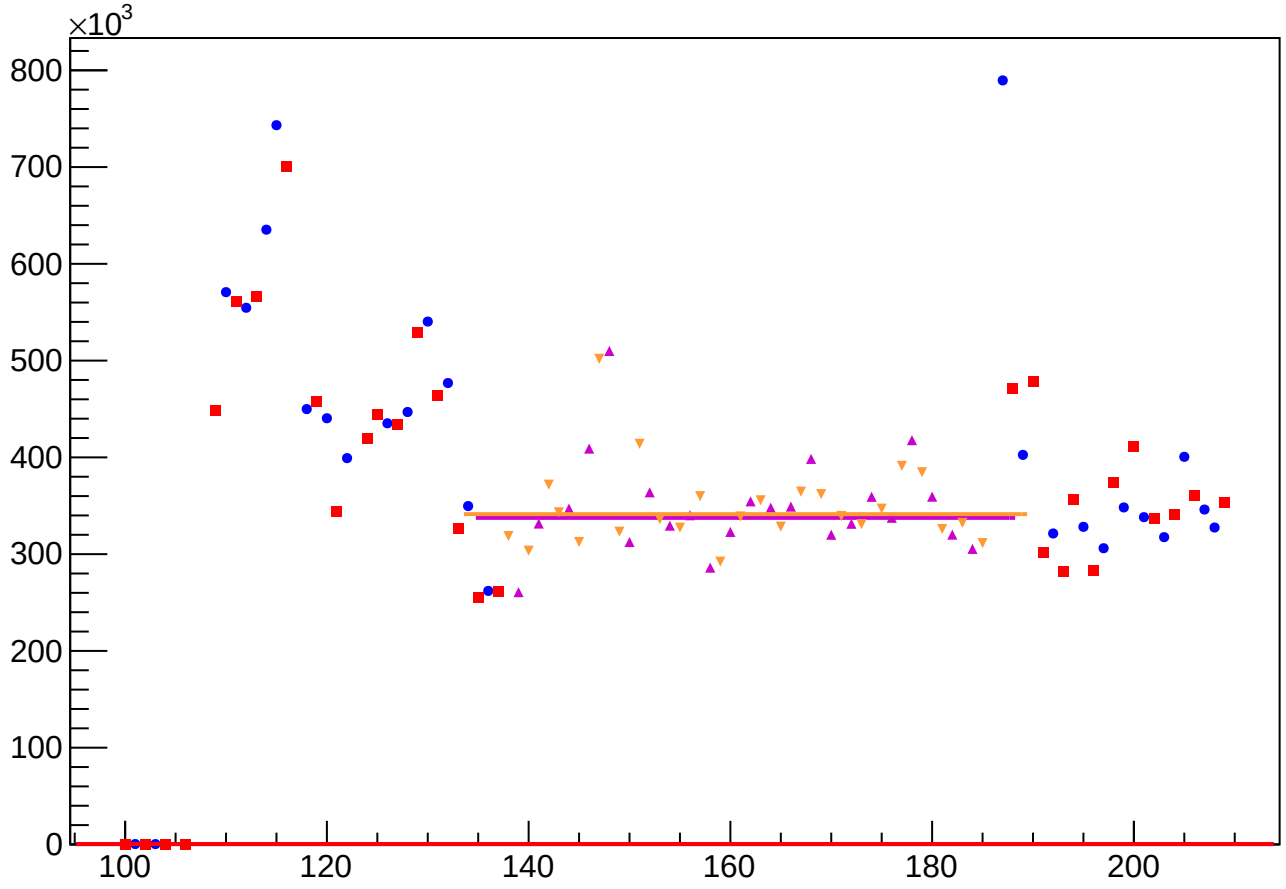
Right Out: 0.600+/-0.324 χ^2/NDF: 24.7/31

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 45.1/51

All: 0.313+/-0.237 χ^2/NDF: 105.2/106

- sign 0.600+/-0.324 χ^2/NDF: 58.4/54



Right In: 393.172+/-0.245 χ^2/NDF: 27385091.1/25

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.693+/-0.229 χ^2/NDF: 29231977.2/29

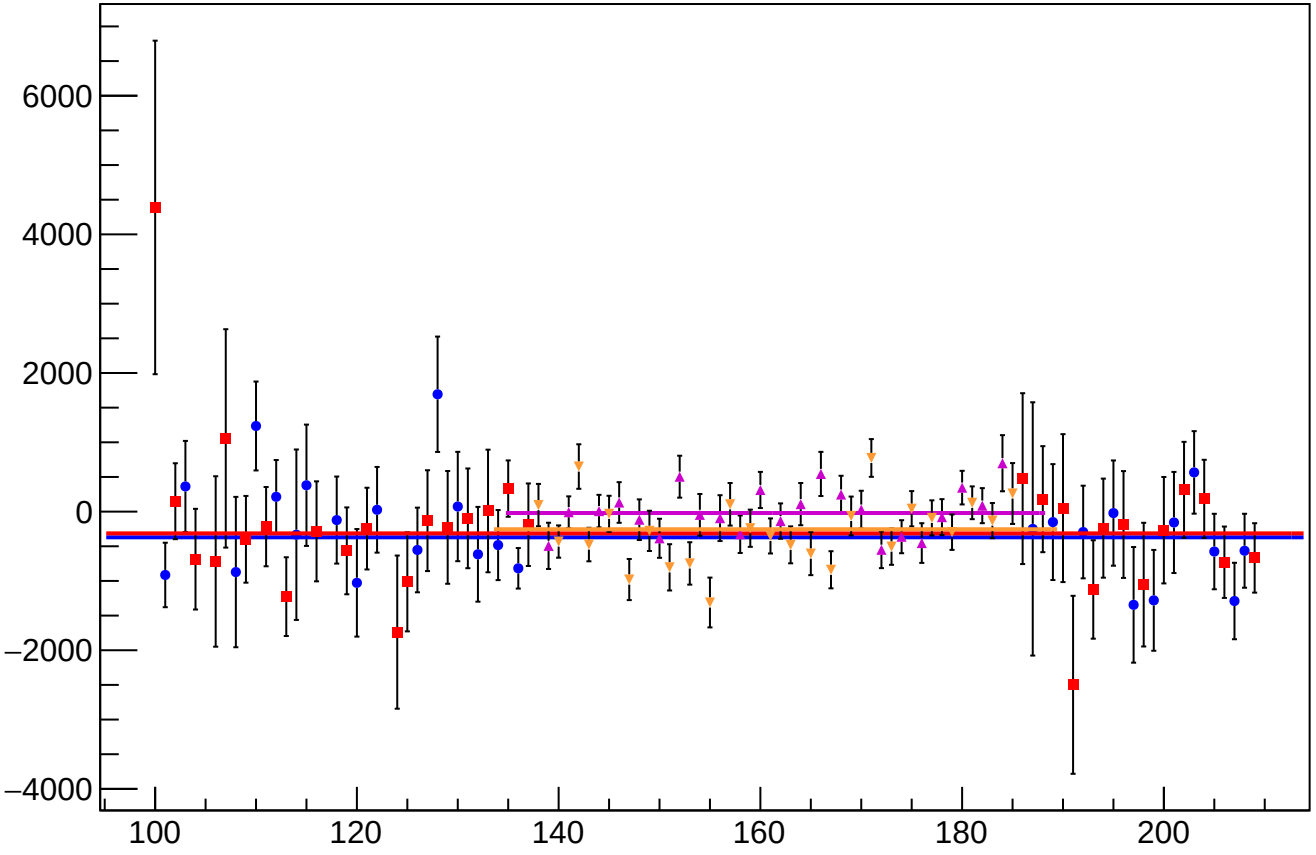
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 399.881+/-0.245 χ^2/NDF: 65755356.4/50

All: 397.938+/-0.167 χ^2/NDF: 131306070.7/1

- sign 396.248+/-0.229 χ^2/NDF: 65550597.1/52

diff_cav4cX_mean vs Slug



Right In: -370.744+/-119.561 χ^2/NDF: 30.2/26

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

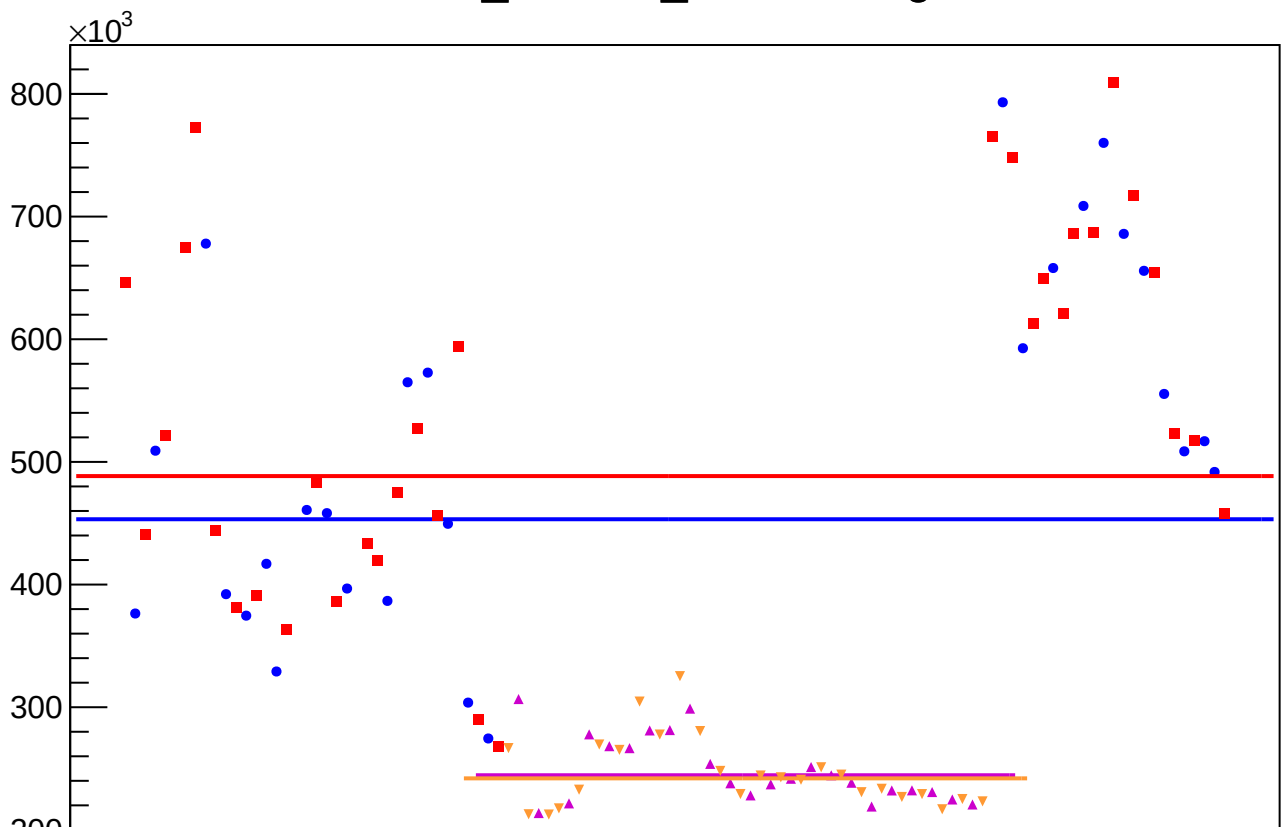
Right Out: -313.979+/-122.892 χ^2/NDF: 22.6/31

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -274.951+/-50.279 χ^2/NDF: 92.3/51

All: -177.467+/-36.169 χ^2/NDF: 156.0/106

- sign -72.919+/-52.069 χ^2/NDF: 55.9/54



Right In: 453252.027+/-84.558 χ^2/NDF: 2587863.3/26

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 488444.078+/-86.993 χ^2/NDF: 2508232.1/31

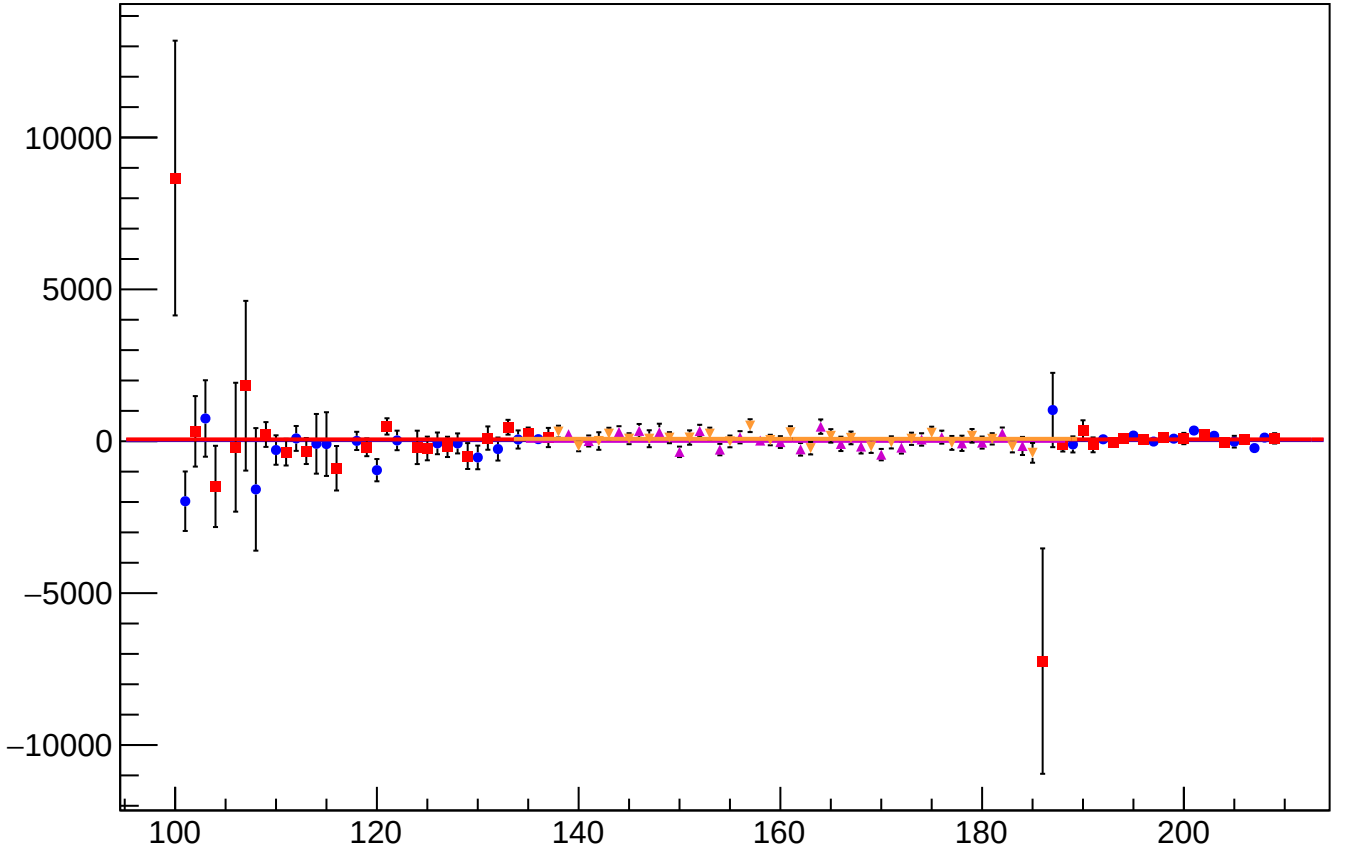
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 279354.968+/-35.554 χ^2/NDF: 8138767.4/51

All: 283645.680+/-25.578 χ^2/NDF: 1749073

- sign 288248.854+/-36.826 χ^2/NDF: 9321775.8/54

diff_cav4cY_mean vs Slug



Right In: 38.406+/-43.104 χ^2/NDF: 26.1/26

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 61.134+/-42.049 χ^2/NDF: 27.4/31

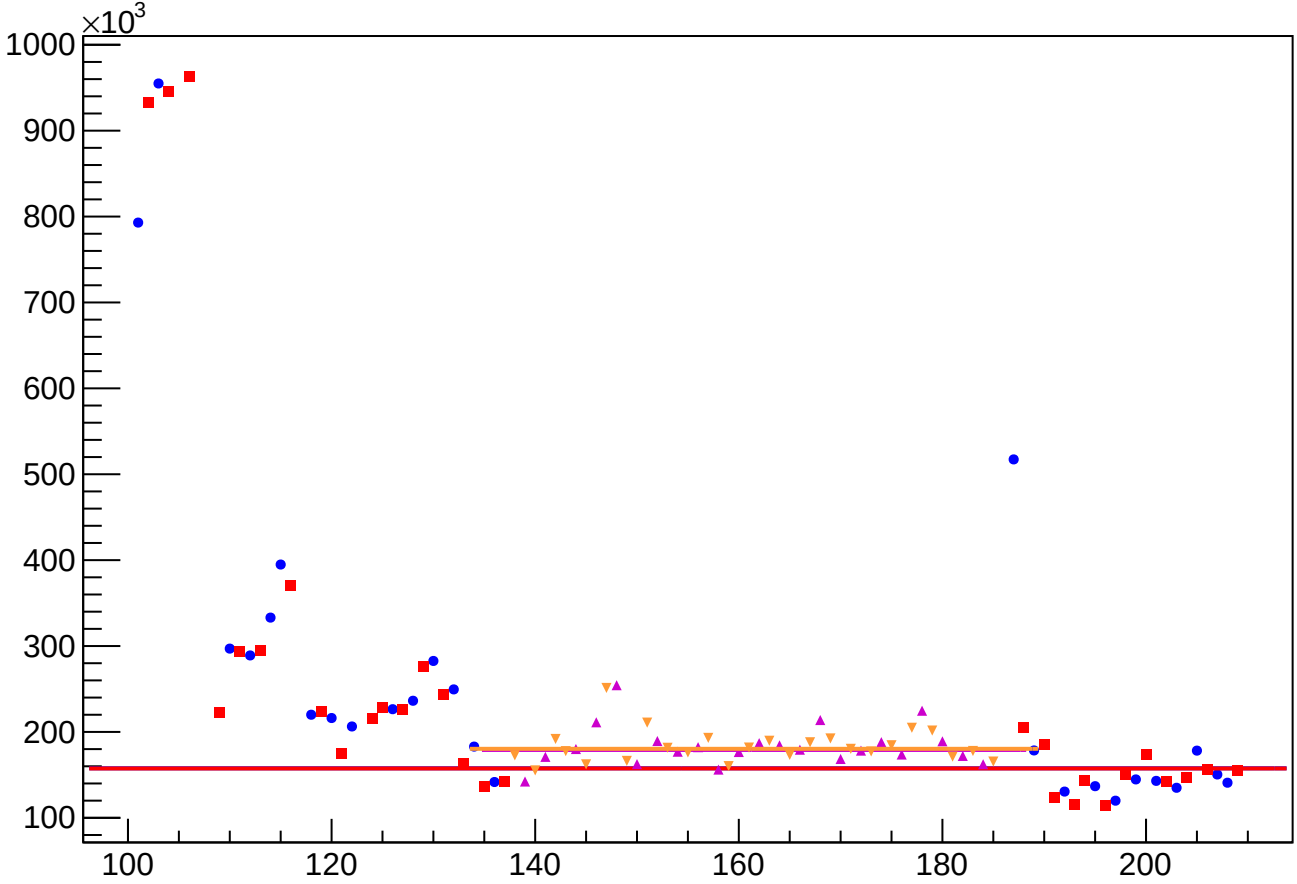
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 59.828+/-29.821 χ^2/NDF: 46.3/51

All: 48.748+/-21.079 χ^2/NDF: 107.8/106

- sign 37.685+/-29.798 χ^2/NDF: 61.2/54

diff_cav4cY_rms vs Slug



Right In: 157651.398+/-30.492 χ^2/NDF: 3256642.3/25

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157458.583+/-29.752 χ^2/NDF: 3272031.5/28

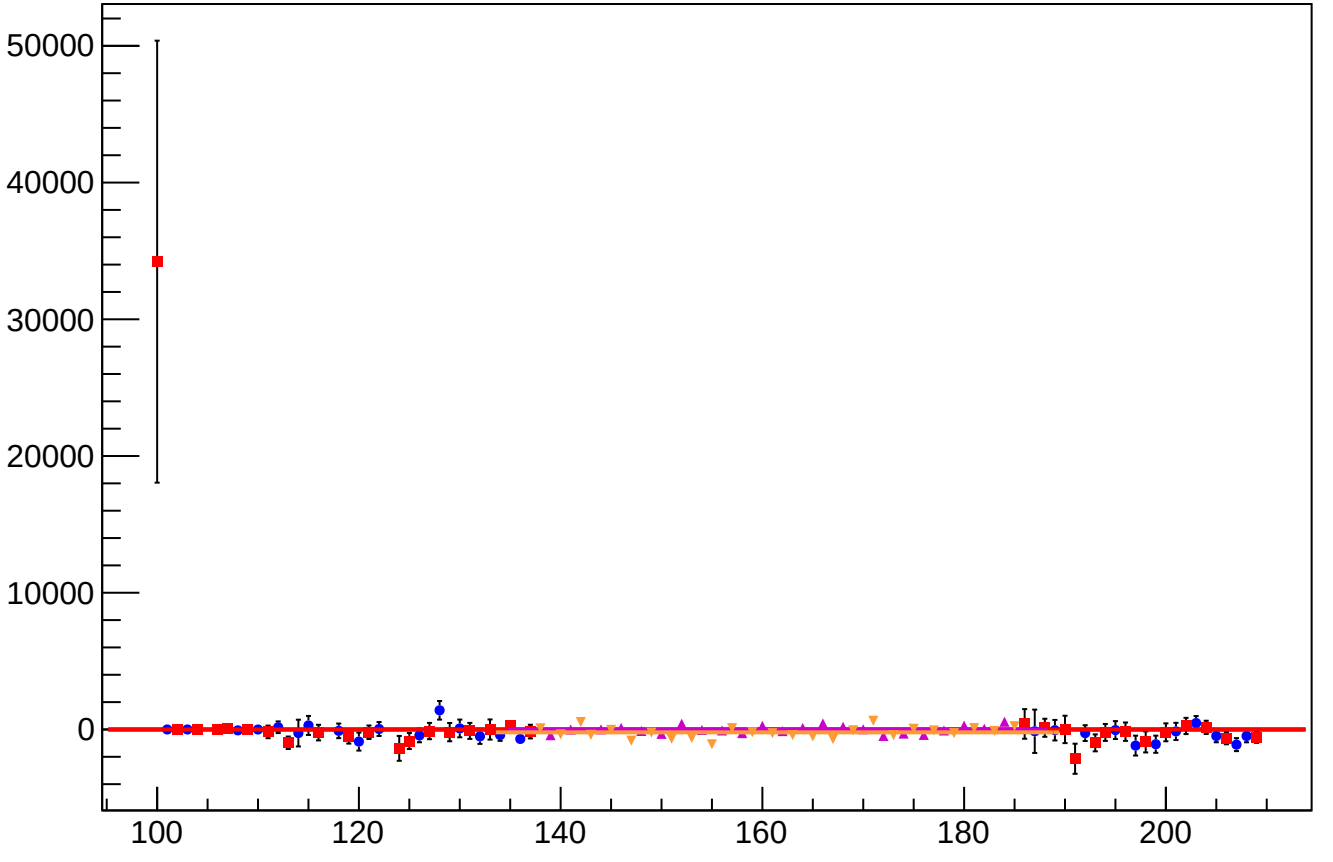
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 169486.329+/-21.091 χ^2/NDF: 3892087.6/50

All: 168843.341+/-14.909 χ^2/NDF: 7929094.

- sign 168201.184+/-21.077 χ^2/NDF: 4035148.7/51

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 32.4/26

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

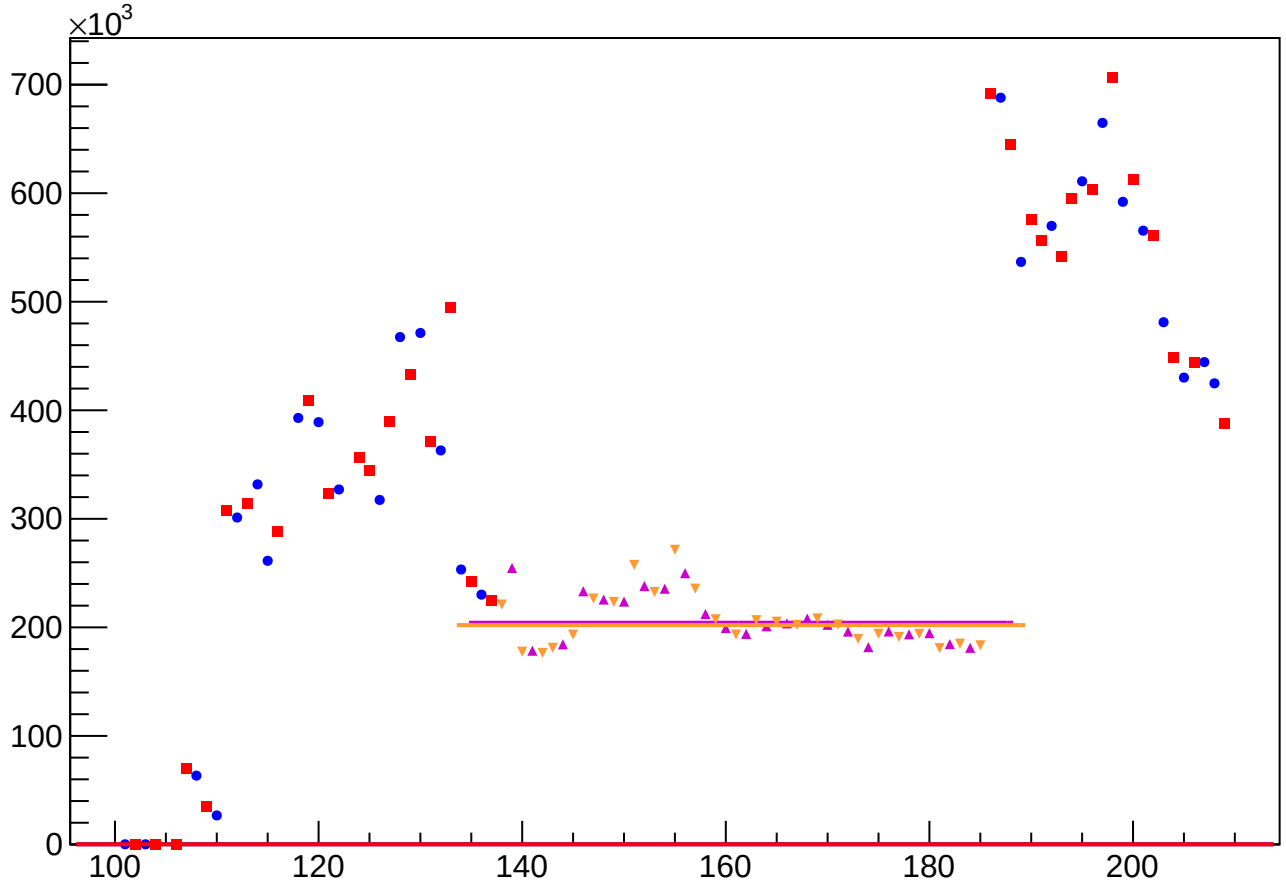
Right Out: -0.355+/-0.160 χ^2/NDF: 28.7/31

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 114.2/51

All: -0.209+/-0.117 χ^2/NDF: 173.6/106

- sign -0.356+/-0.160 χ^2/NDF: 57.5/54



Right In: 149.577+/-0.122 χ^2/NDF: 28380086.2/26

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

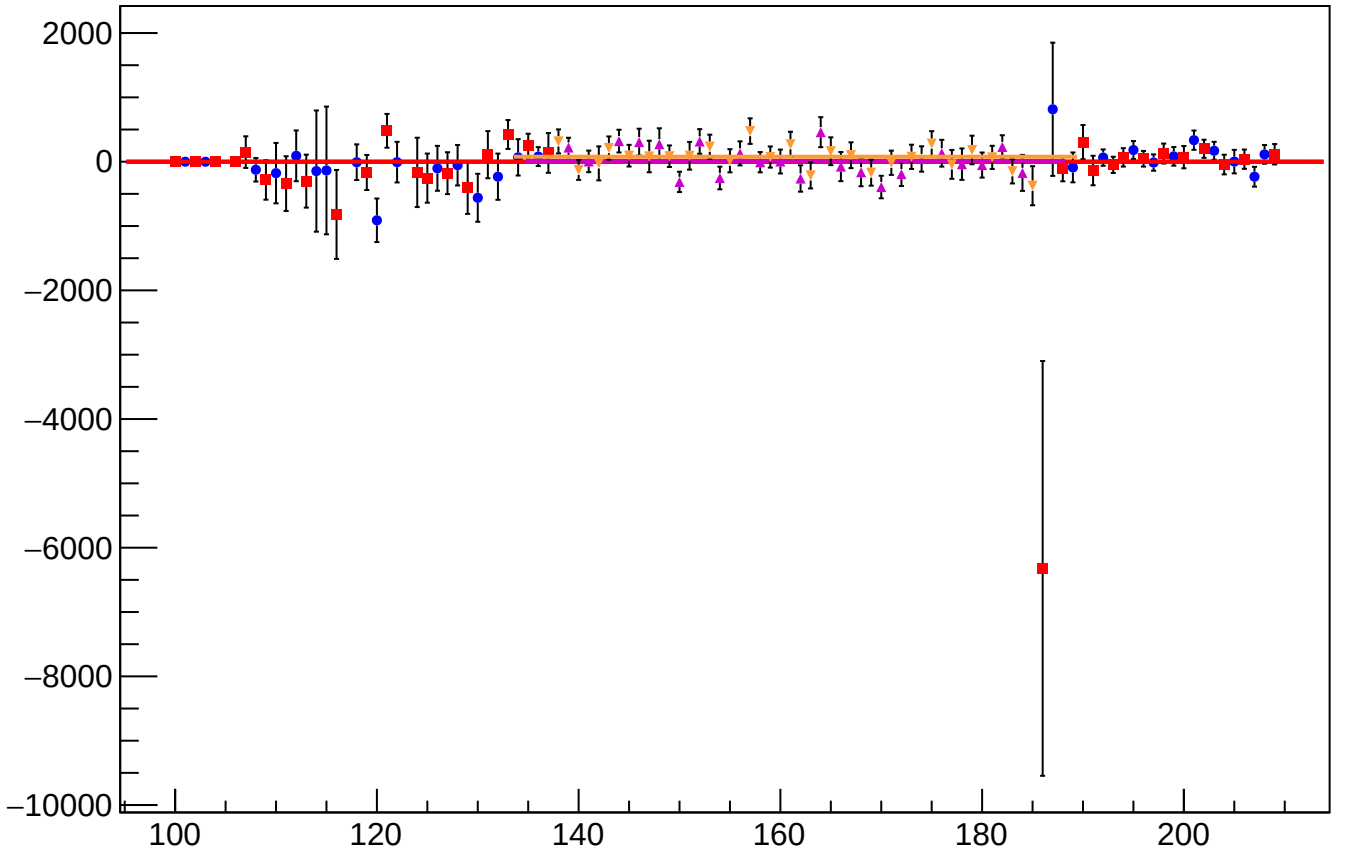
Right Out: 149.839+/-0.113 χ^2/NDF: 30792633.1/30

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.374+/-0.122 χ^2/NDF: 66875777.0/51

All: 152.231+/-0.083 χ^2/NDF: 134171031.3/1

- sign 152.108+/-0.113 χ^2/NDF: 67295251.8/53



Right In: -0.067+/-0.177 χ^2/NDF: 23.6/26

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.127+/-0.166 χ^2/NDF: 25.2/31

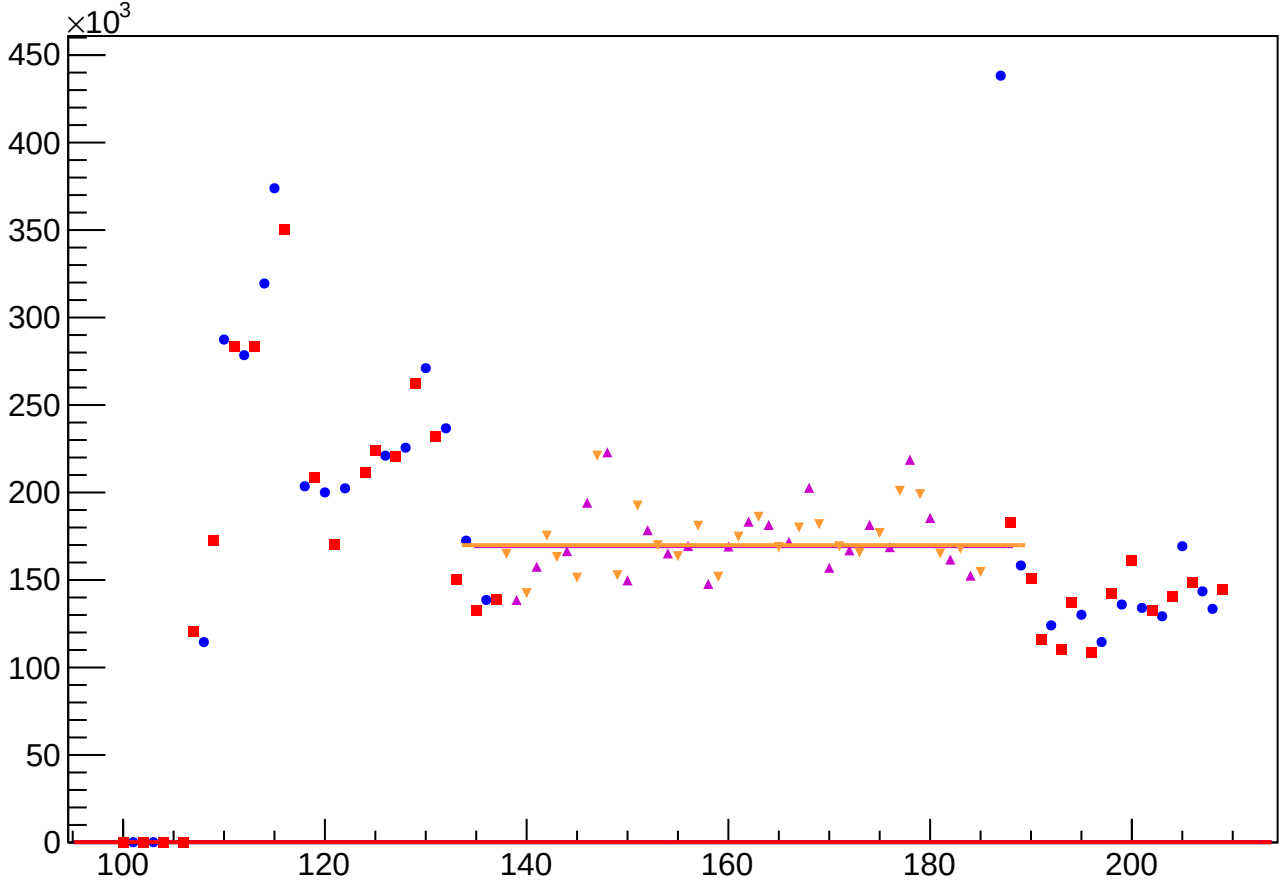
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.065+/-0.177 χ^2/NDF: 46.7/51

All: 0.037+/-0.121 χ^2/NDF: 105.3/106

\- sign 0.127+/-0.166 χ^2/NDF: 57.9/54

diff_cav4dY_rms vs Slug



Right In: 155.385+/-0.125 χ^2/NDF: 28652789.9/26

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.001+/-0.118 χ^2/NDF: 29707630.8/30

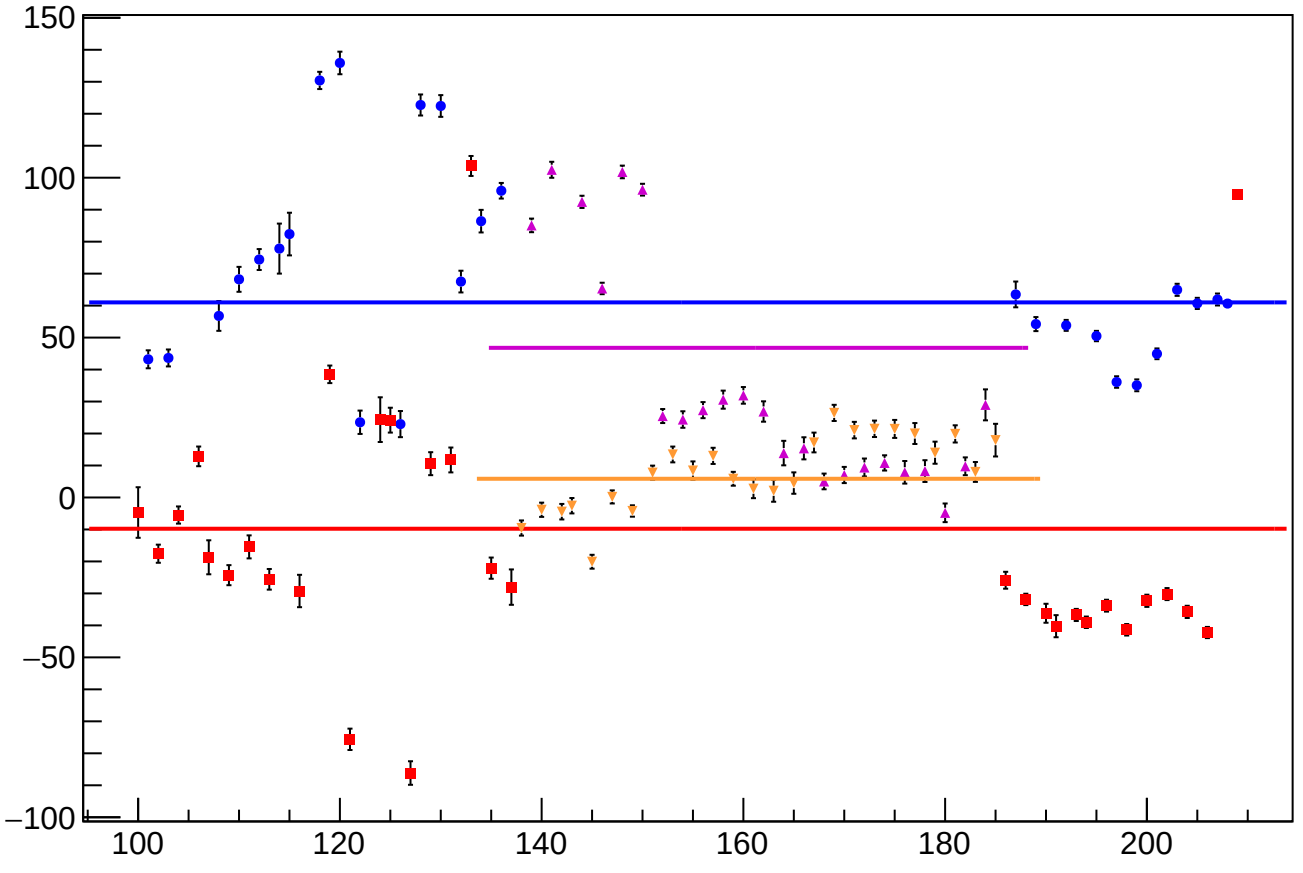
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.905+/-0.125 χ^2/NDF: 67064055.8/51

All: 159.987+/-0.086 χ^2/NDF: 133156058.6/1

- sign 160.942+/-0.118 χ^2/NDF: 66091862.4/53

diff_bpm0i01X_mean vs Slug



Right In: 61.006+/-0.465 χ^2/NDF: 2915.6/26

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -9.774+/-0.440 χ^2/NDF: 12117.8/31

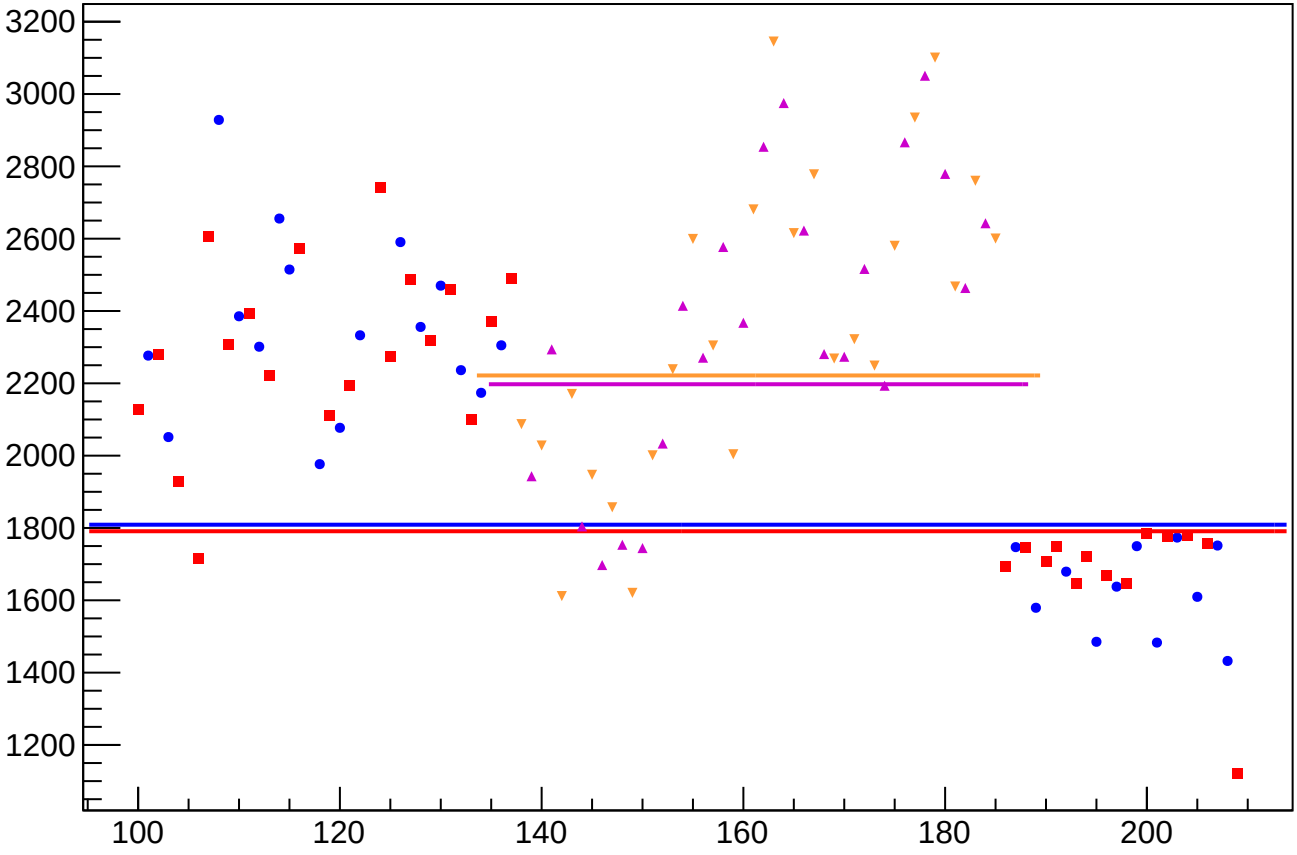
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 36.158+/-0.345 χ^2/NDF: 9778.1/51

All: 24.628+/-0.241 χ^2/NDF: 36079.8/106

- sign 13.612+/-0.337 χ^2/NDF: 24117.5/54

diff_bpm0i01X_rms vs Slug



Right In: 1809.048+/-0.329 χ^2/NDF: 1073121.6/26

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1790.958+/-0.311 χ^2/NDF: 1362522.4/31

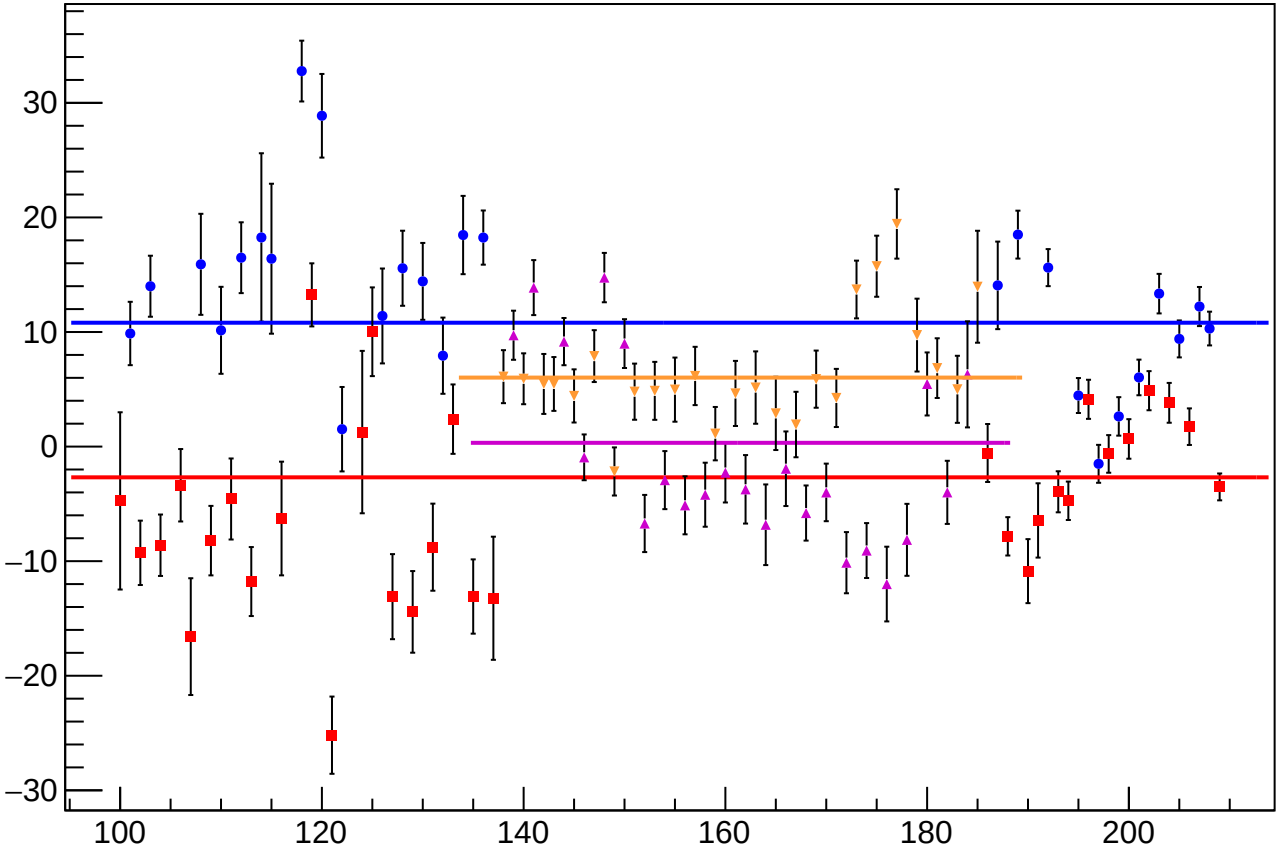
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1994.986+/-0.244 χ^2/NDF: 2965775.9/51

All: 1976.587+/-0.171 χ^2/NDF: 6148886.1/10

- sign 1959.007+/-0.238 χ^2/NDF: 3171986.1/54

diff_bpm0i01Y_mean vs Slug



Right In: 10.811+/-0.439 χ^2/NDF: 259.0/26

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.684+/-0.416 χ^2/NDF: 243.7/31

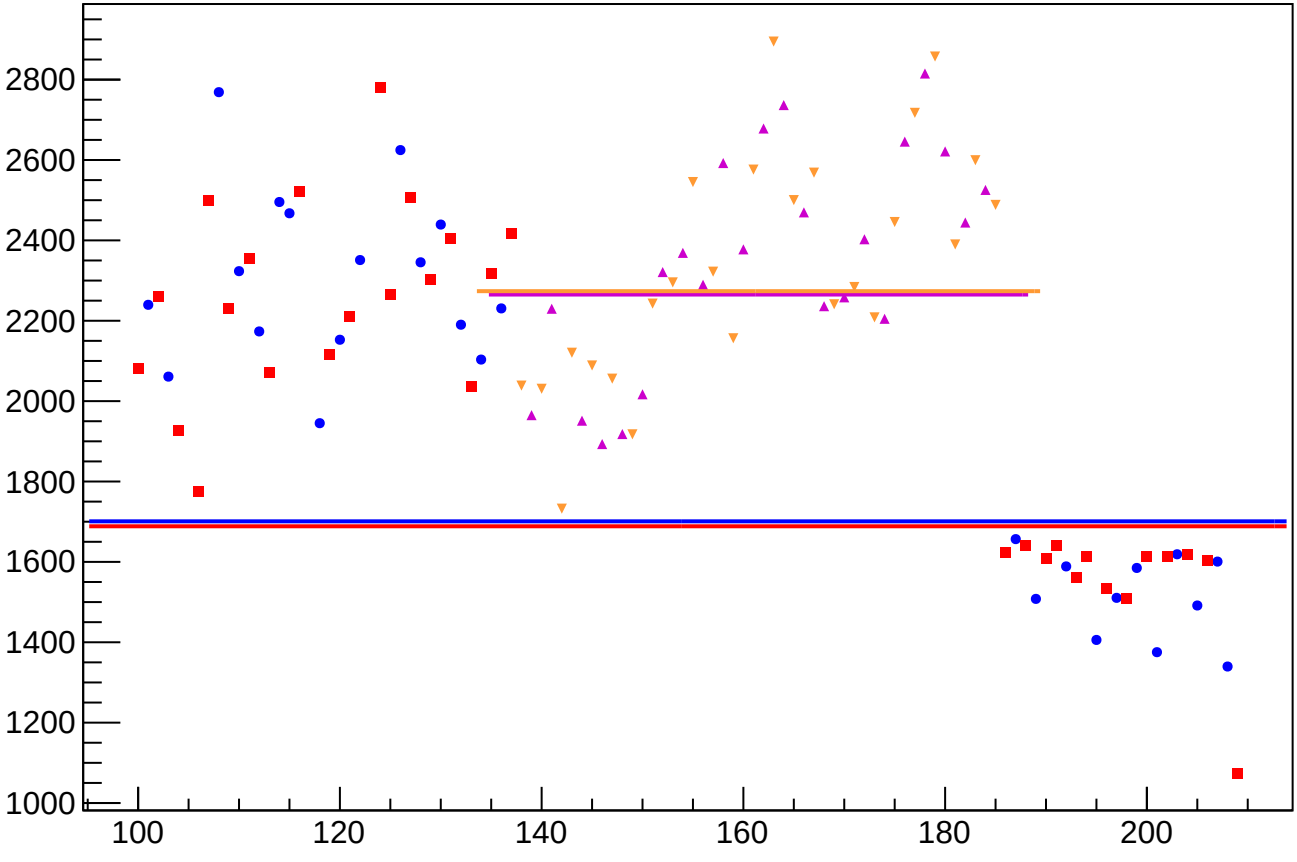
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.822+/-0.336 χ^2/NDF: 380.2/51

All: 3.525+/-0.235 χ^2/NDF: 1356.3/106

- sign -1.547+/-0.328 χ^2/NDF: 488.4/54

diff_bpm0i01Y_rms vs Slug



Right In: 1700.929+/-0.310 χ^2/NDF: 1327277.9/26

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

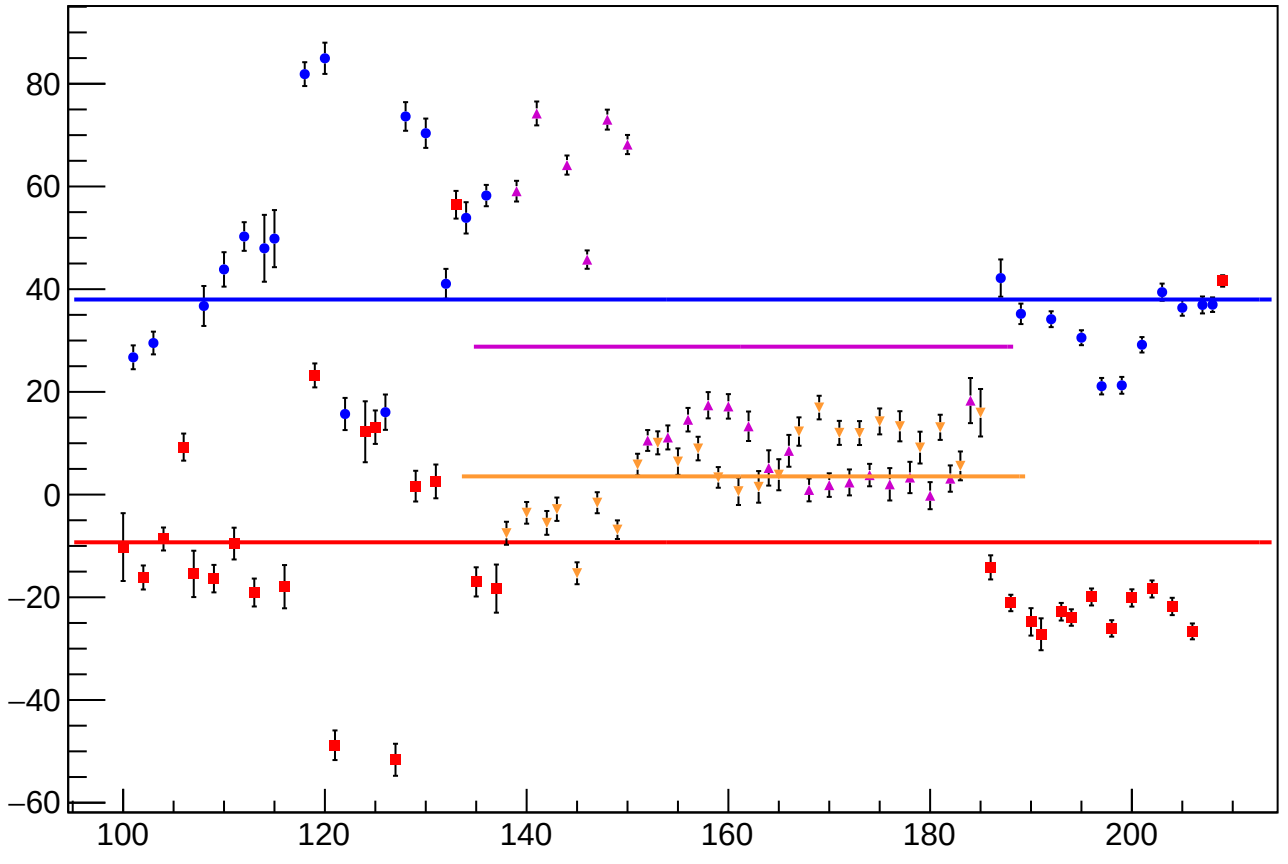
Right Out: 1688.598+/-0.294 χ^2/NDF: 1560394.5/31

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1938.730+/-0.237 χ^2/NDF: 3278133.3/51

All: 1922.105+/-0.166 χ^2/NDF: 6793072.2/10

- sign 1906.190+/-0.232 χ^2/NDF: 3505333.6/54



Right In: 37.989+/-0.409 χ^2/NDF: 1457.2/26

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -9.292+/-0.387 χ^2/NDF: 4108.4/31

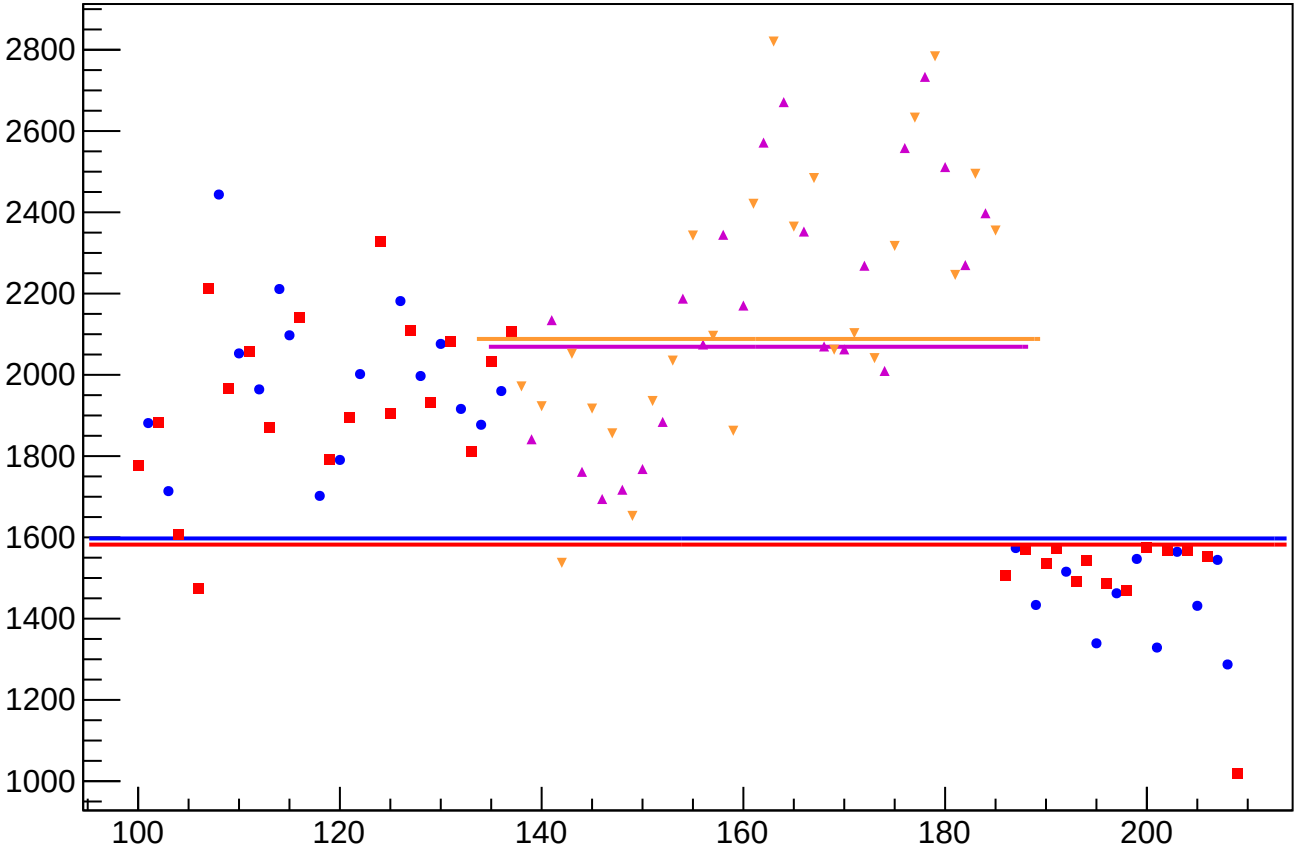
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 23.515+/-0.311 χ^2/NDF: 4759.2/51

All: 14.200+/-0.218 χ^2/NDF: 17591.6/106

- sign 5.320+/-0.304 χ^2/NDF: 11084.0/54

diff_bpm0i01aX_rms vs Slug



Right In: 1597.341+/-0.289 χ^2/NDF: 821031.4/26

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1582.210+/-0.274 χ^2/NDF: 1074972.2/31

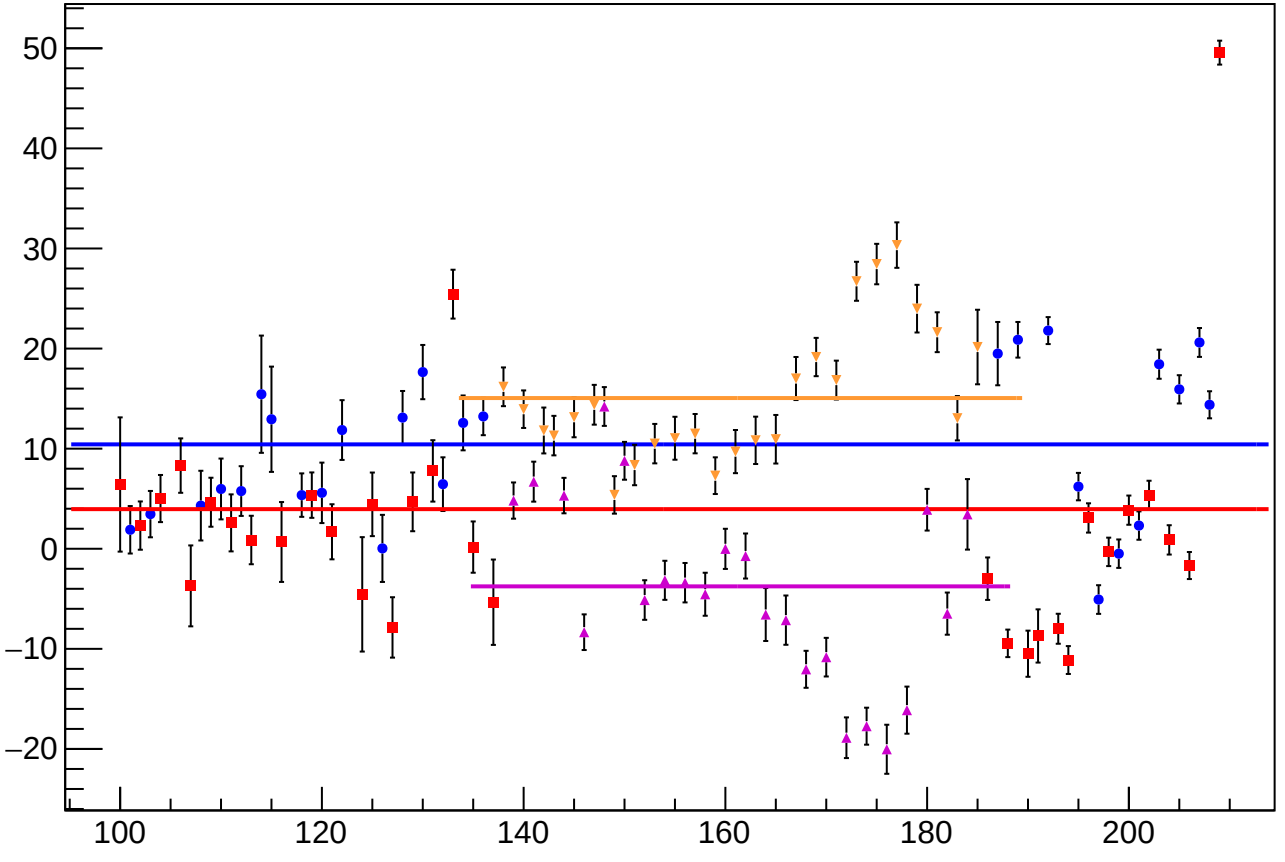
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1803.677+/-0.220 χ^2/NDF: 2820437.3/51

All: 1785.907+/-0.154 χ^2/NDF: 5832754.0/10

- sign 1768.965+/-0.215 χ^2/NDF: 2999589.6/54

diff_bpm0i01aY_mean vs Slug



Right In: 10.429+/-0.375 χ^2/NDF: 499.1/26

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 3.958+/-0.355 χ^2/NDF: 1950.3/31

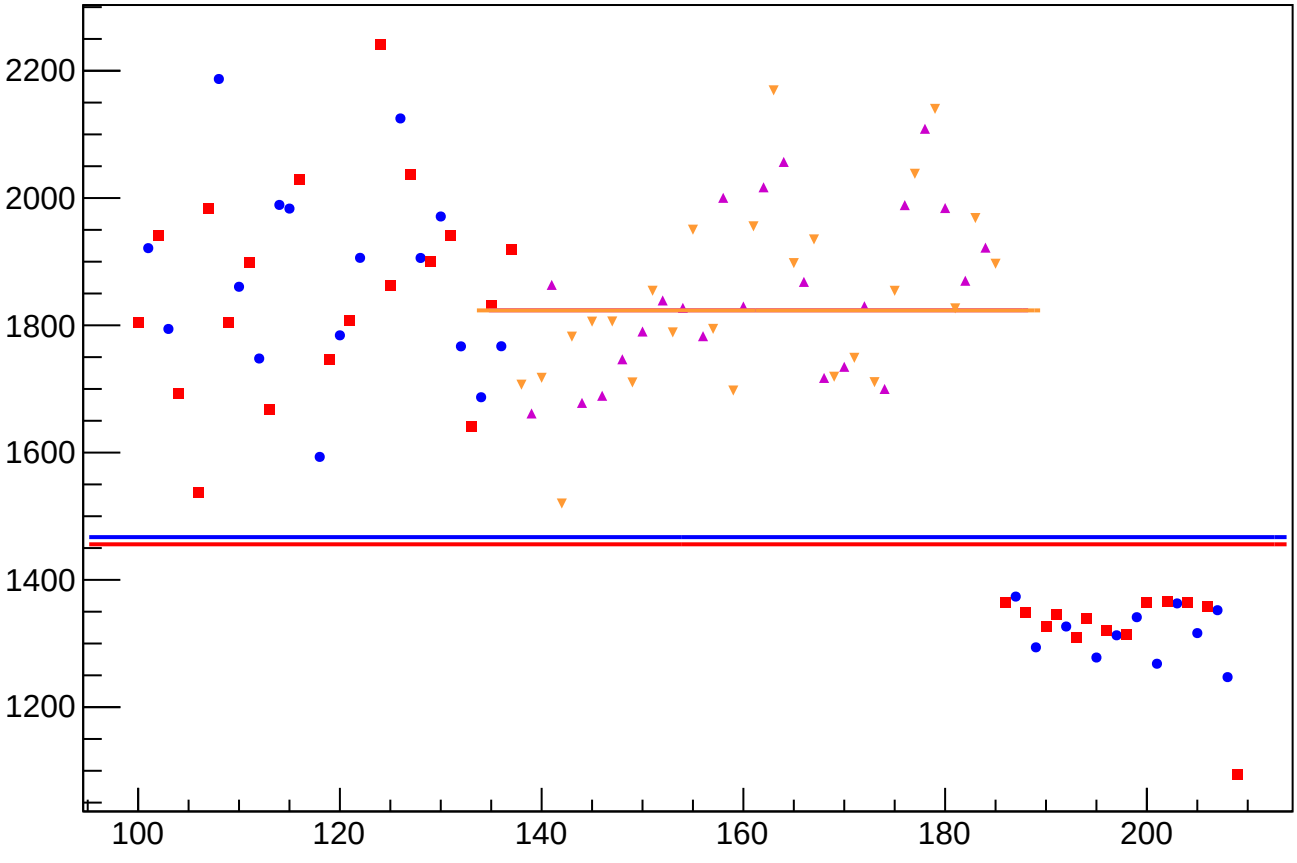
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

\+ sign 12.503+/-0.278 χ^2/NDF: 813.7/51

All: 6.550+/-0.195 χ^2/NDF: 4314.4/106

\- sign 0.809+/-0.273 χ^2/NDF: 2601.9/54

diff_bpm0i01aY_rms vs Slug



Right In: 1467.175+/-0.265 χ^2/NDF: 912230.0/26

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1455.889+/-0.251 χ^2/NDF: 984577.9/31

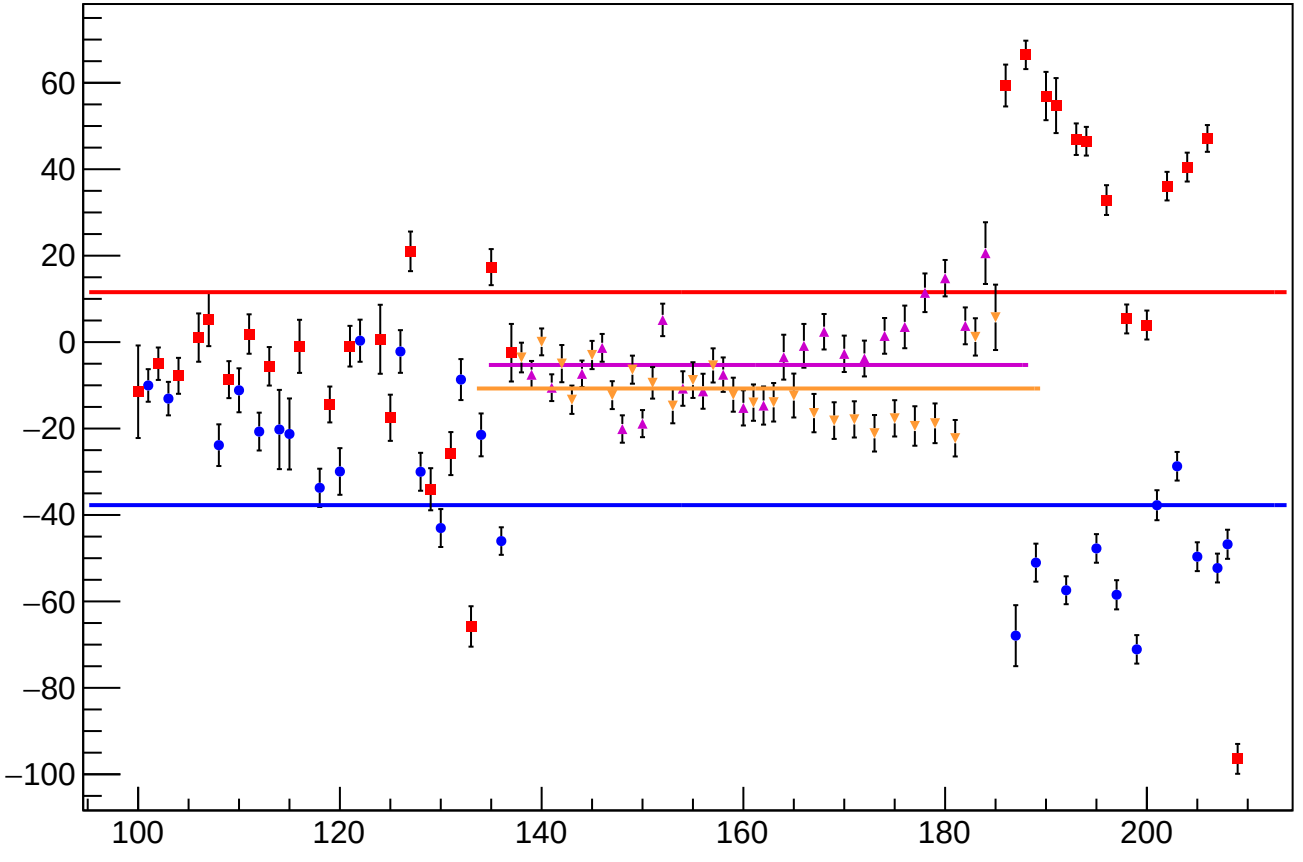
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1626.872+/-0.197 χ^2/NDF: 1934134.8/51

All: 1616.224+/-0.138 χ^2/NDF: 3962904.5/10

- sign 1605.957+/-0.193 χ^2/NDF: 2023019.4/54

diff_bpm0l01X_mean vs Slug



Right In: -37.721+/-0.782 χ^2/NDF: 588.6/26

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 11.556+/-0.751 χ^2/NDF: 2580.2/31

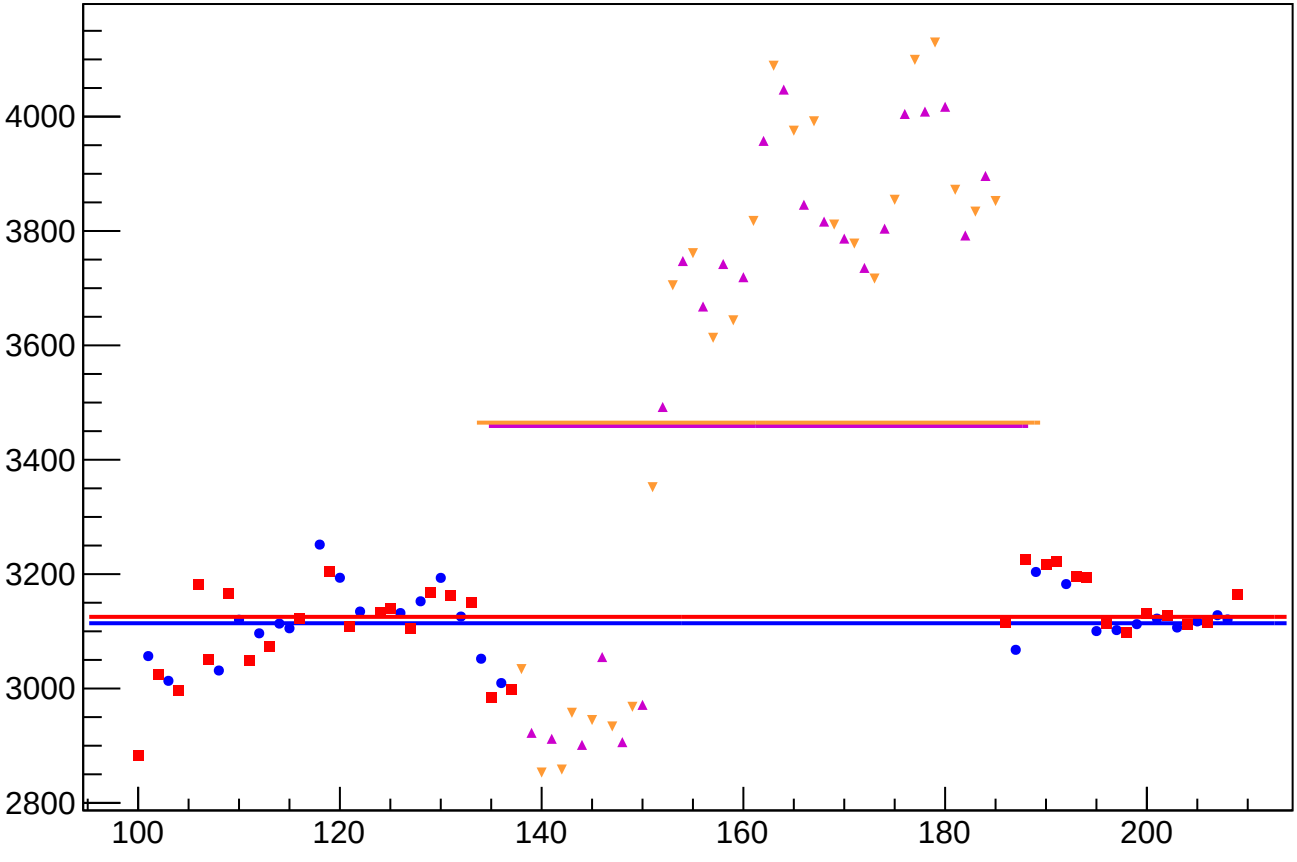
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -24.426+/-0.557 χ^2/NDF: 1248.8/51

All: -10.173+/-0.392 χ^2/NDF: 5490.6/106

- sign 3.815+/-0.552 χ^2/NDF: 2945.1/54

diff_bpm0l01X_rms vs Slug



Right In: 3114.138+/-0.553 χ^2/NDF: 10100.0/26

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.295+/-0.531 χ^2/NDF: 14951.0/31

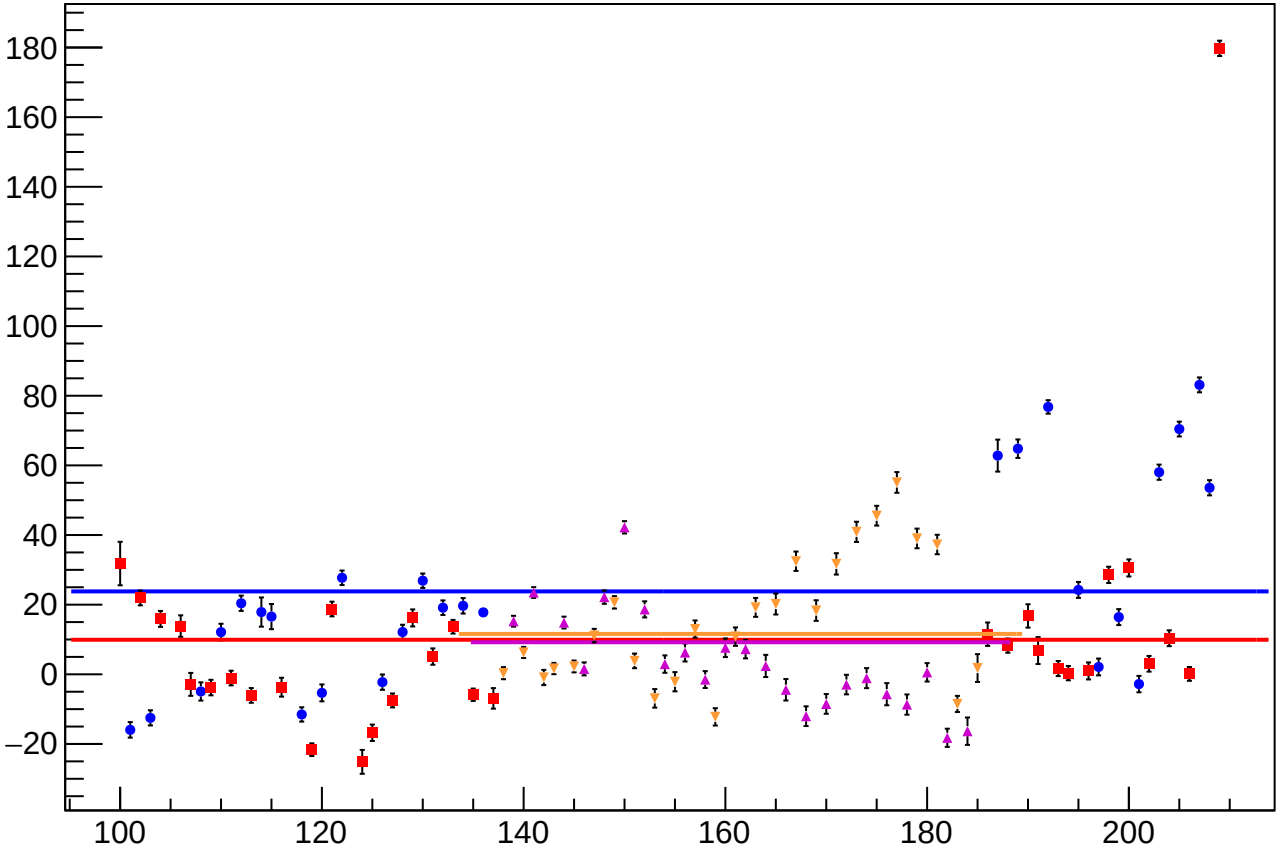
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3286.934+/-0.394 χ^2/NDF: 852259.4/51

All: 3282.750+/-0.277 χ^2/NDF: 1632350.5/10

- sign 3278.643+/-0.390 χ^2/NDF: 779867.6/54

diff_bpm0l01Y_mean vs Slug



Right In: 23.807+/-0.428 χ^2/NDF: 4354.7/26

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 9.925+/-0.415 χ^2/NDF: 7127.7/31

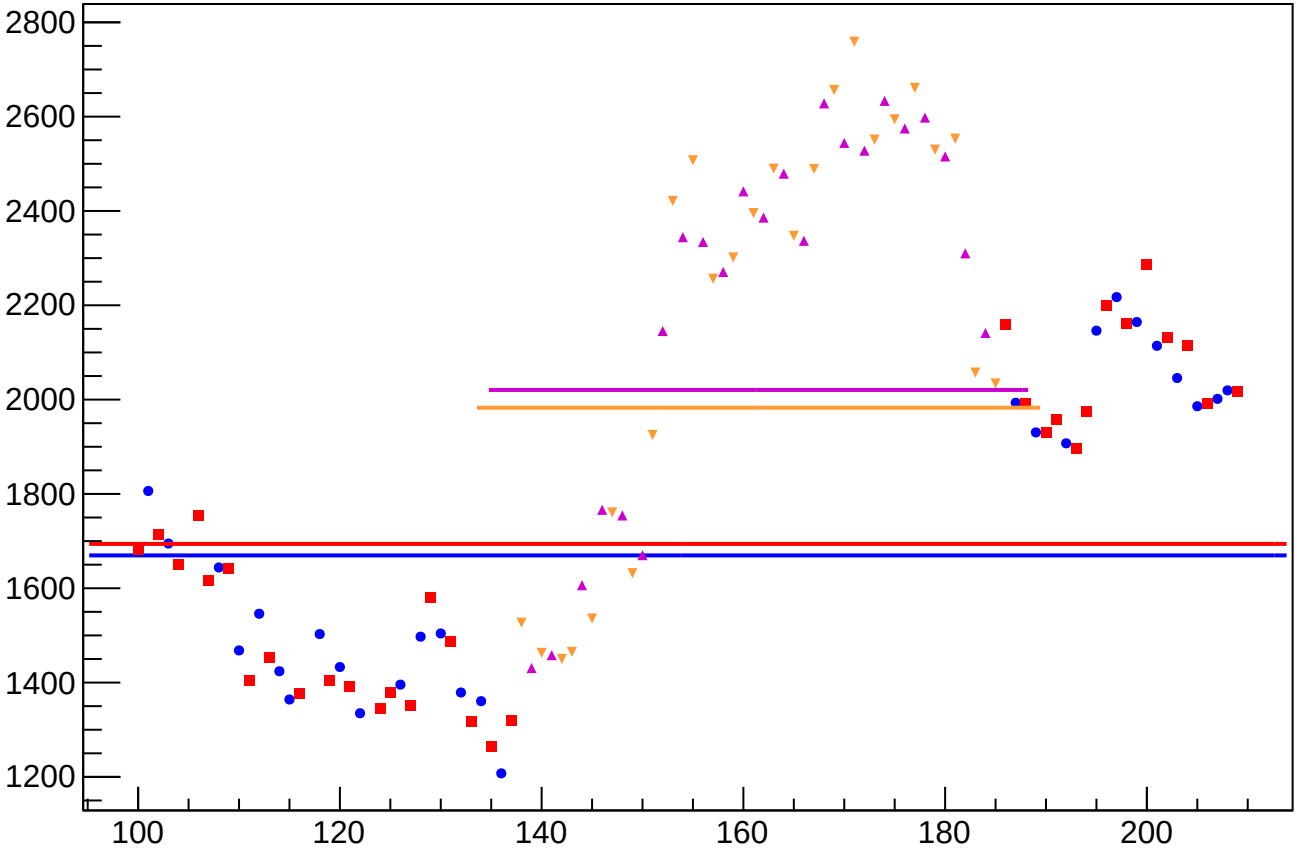
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 18.189+/-0.314 χ^2/NDF: 5926.3/51

All: 13.914+/-0.223 χ^2/NDF: 14366.3/106

- sign 9.623+/-0.315 χ^2/NDF: 8069.6/54

diff_bpm0l01Y_rms vs Slug



Right In: 1669.656+/-0.303 χ^2/NDF: 1143319.3/26

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1694.064+/-0.293 χ^2/NDF: 1214849.6/31

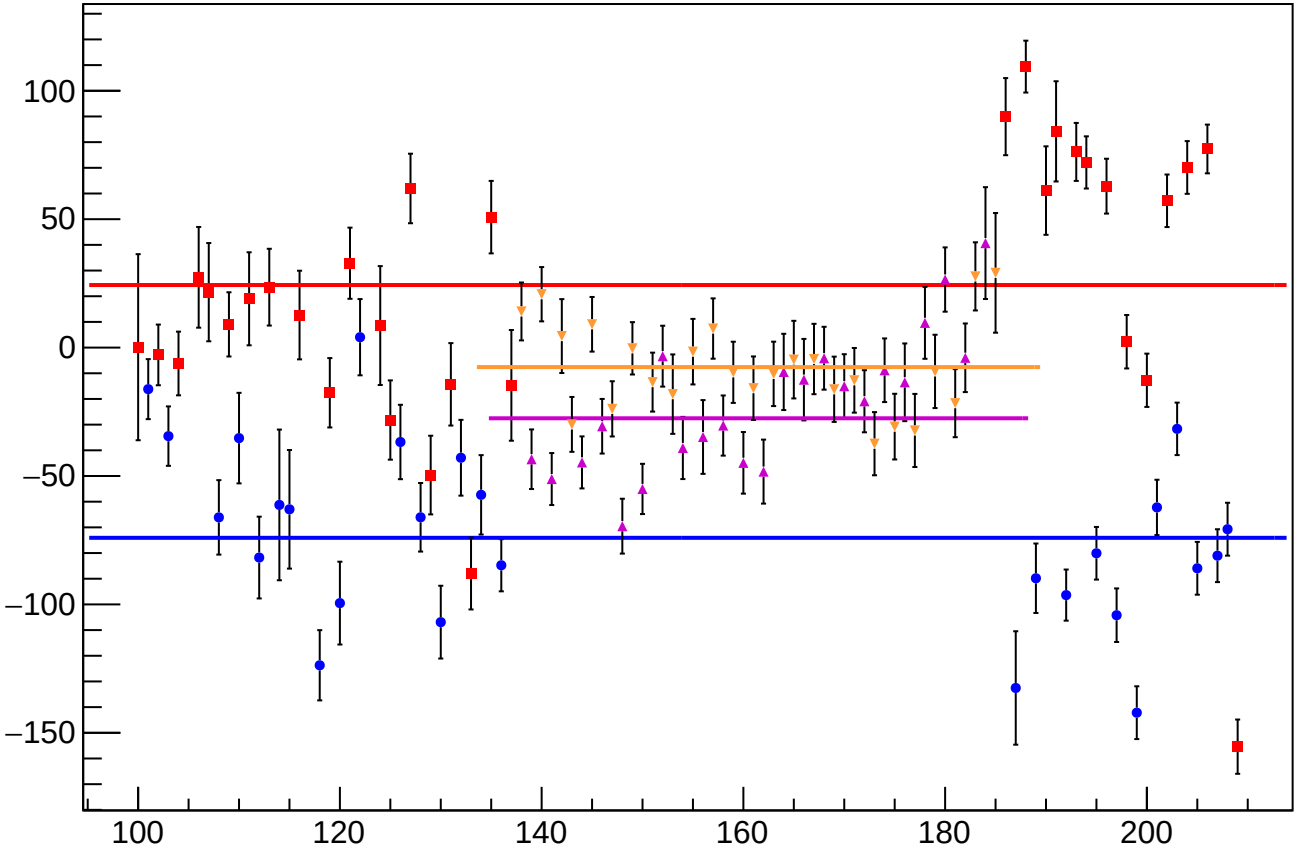
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1813.812+/-0.222 χ^2/NDF: 3614126.9/51

All: 1823.085+/-0.157 χ^2/NDF: 6971682.7/10

- sign 1832.392+/-0.223 χ^2/NDF: 3354069.3/54

diff_bpm0l02X_mean vs Slug



Right In: -74.067+/-2.428 χ^2/NDF: 190.8/26

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

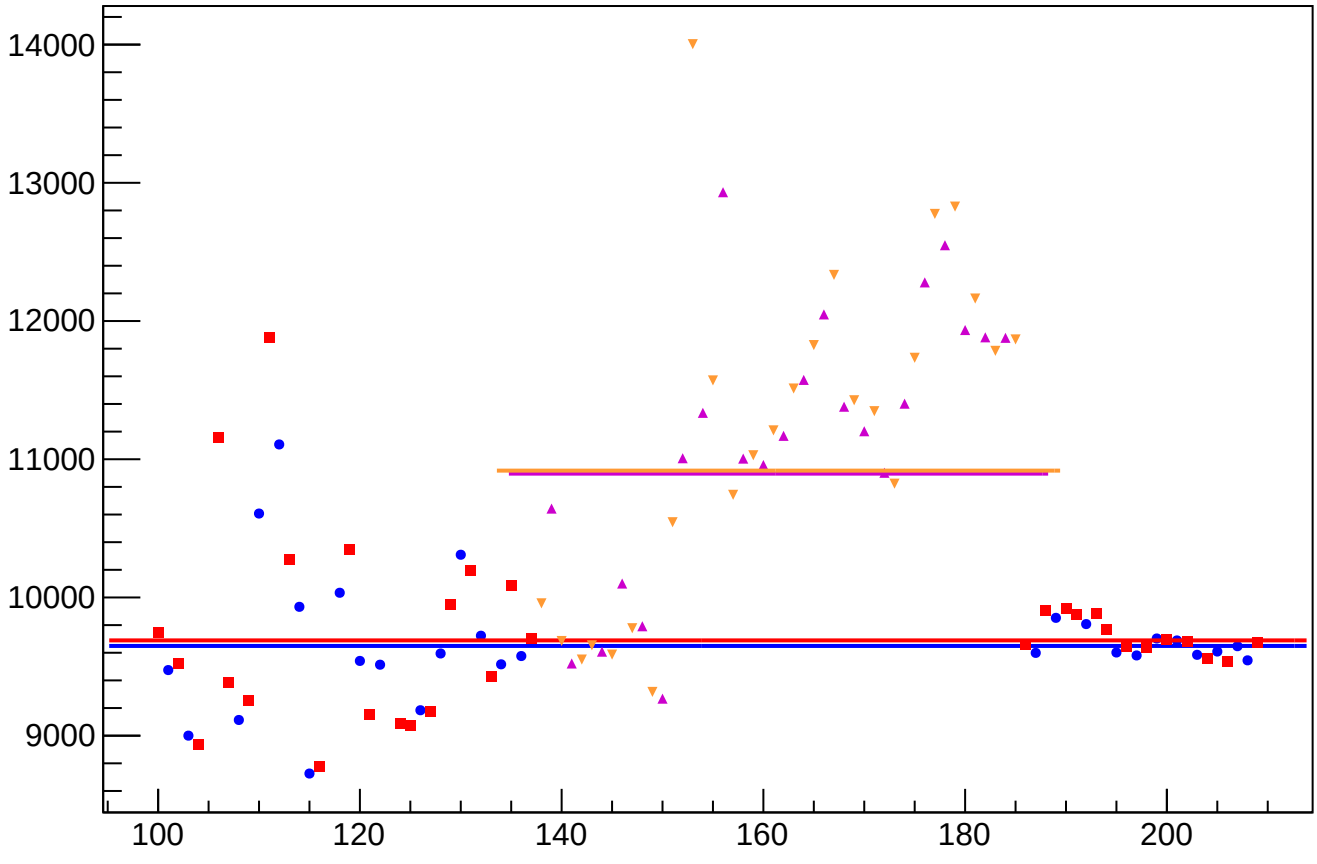
Right Out: 24.362+/-2.332 χ^2/NDF: 672.3/31

Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

\+ sign -41.736+/-1.740 χ^2/NDF: 603.3/51

All: -20.262+/-1.224 χ^2/NDF: 1895.1/106

\- sign 0.792+/-1.723 χ^2/NDF: 990.1/54



Right In: 9649.295+/-1.717 χ^2/NDF: 45599.4/26

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9689.451+/-1.649 χ^2/NDF: 83042.5/31

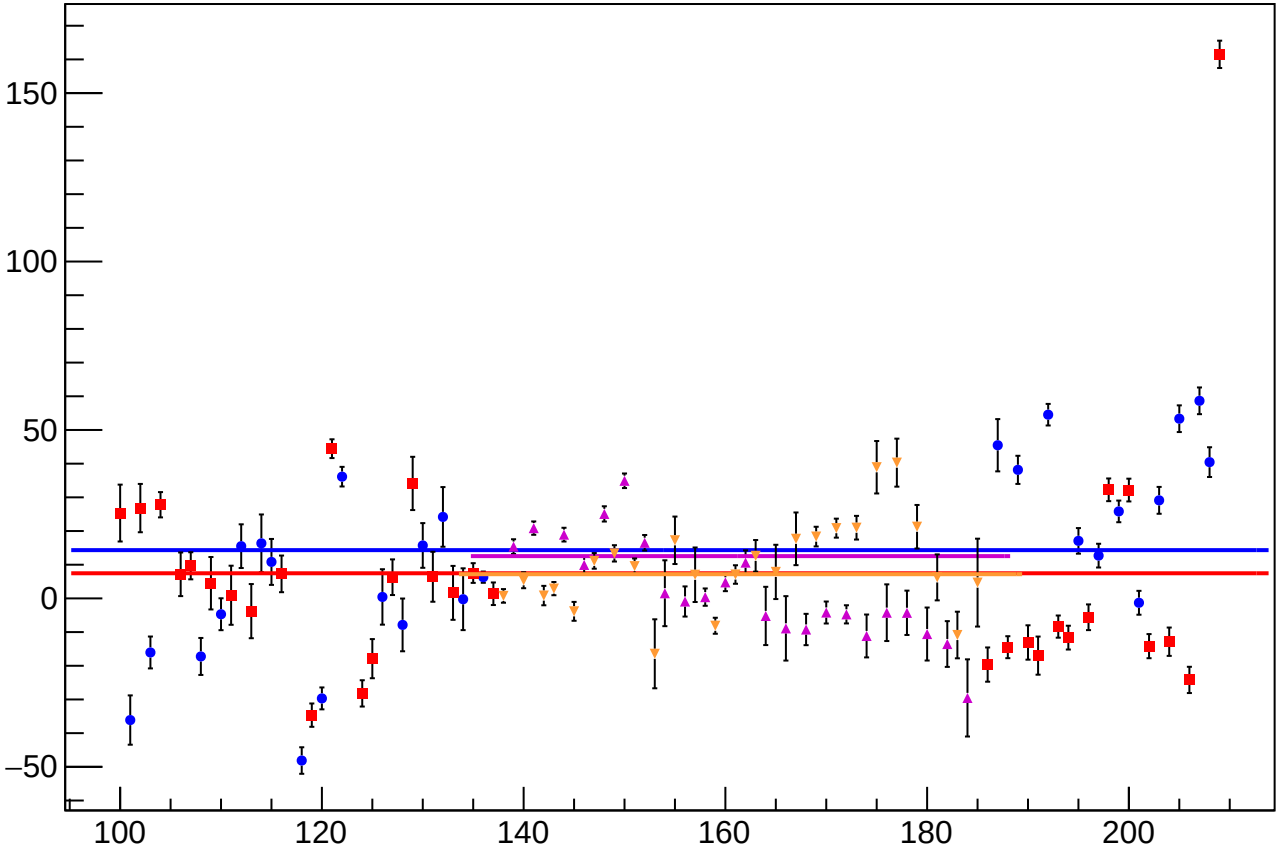
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10266.223+/-1.230 χ^2/NDF: 736927.0/51

All: 10251.717+/-0.866 χ^2/NDF: 1361436.4/1

- sign 10237.495+/-1.218 χ^2/NDF: 624234.1/54

diff_bpm0l02Y_mean vs Slug



Right In: 14.329+/-0.778 χ^2/NDF: 1176.8/26

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 7.461+/-0.756 χ^2/NDF: 2331.6/31

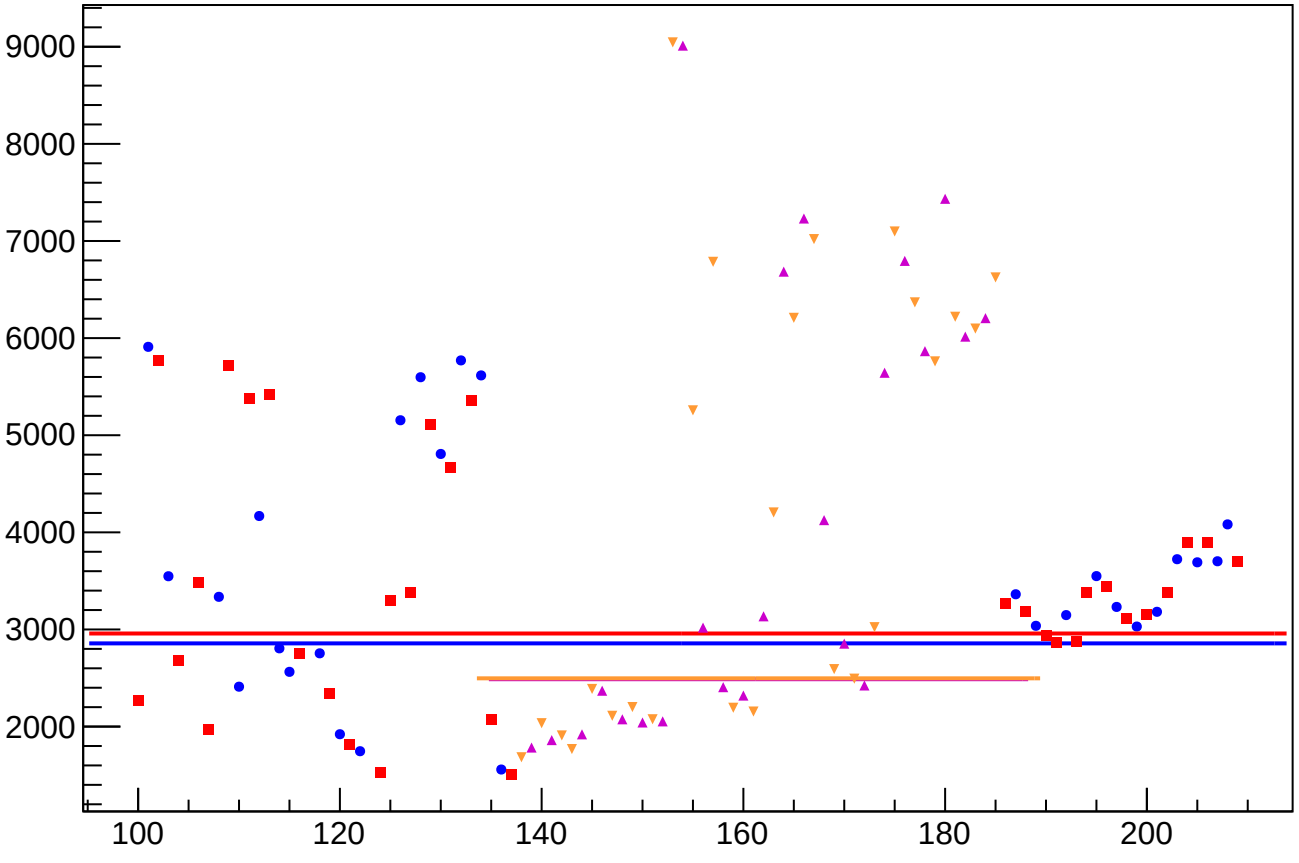
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

\+ sign 10.143+/-0.500 χ^2/NDF: 1427.9/51

All: 10.247+/-0.353 χ^2/NDF: 4157.4/106

\- sign 10.350+/-0.498 χ^2/NDF: 2729.4/54

diff_bpm0l02Y_rms vs Slug



Right In: 2856.696+/-0.550 χ^2/NDF: 3720189.6/26

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

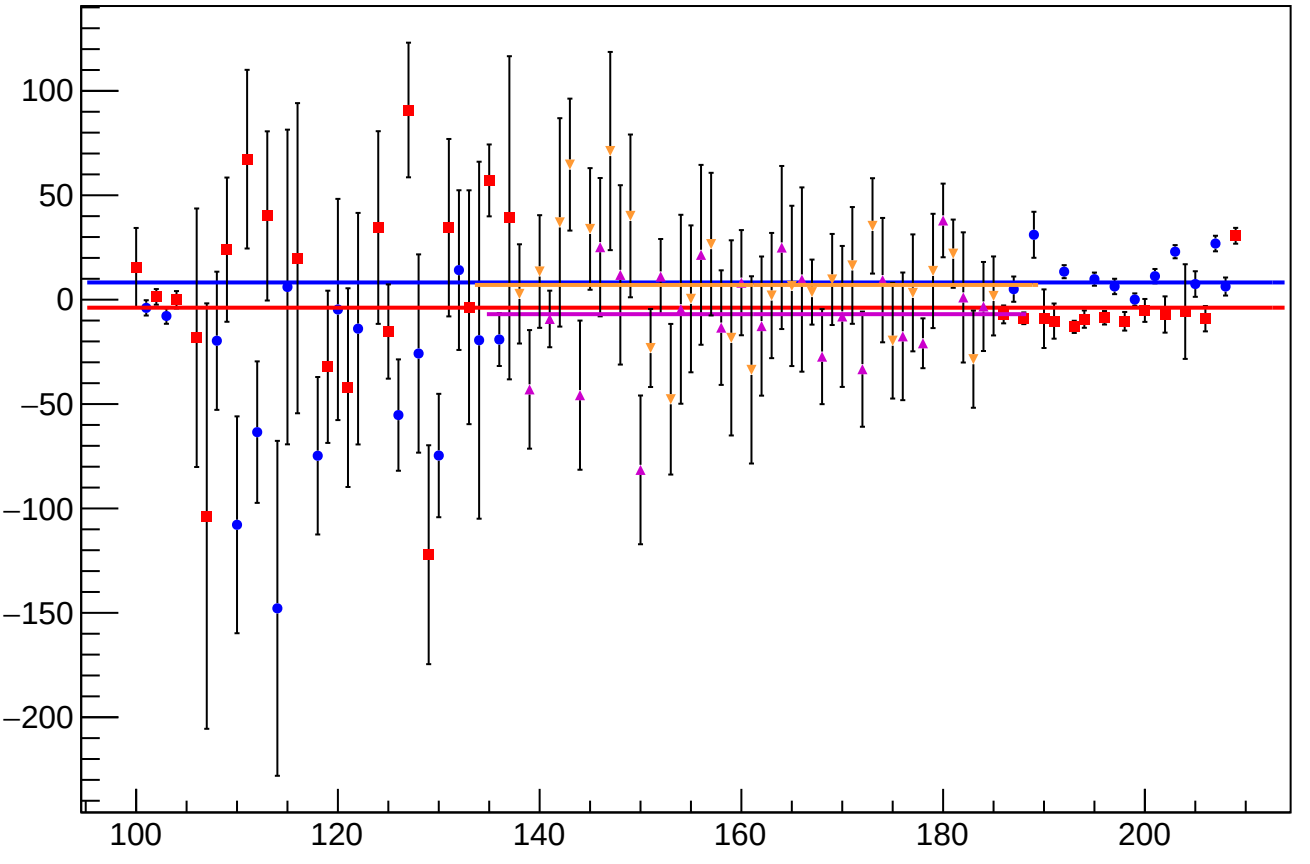
Right Out: 2958.457+/-0.535 χ^2/NDF: 3141150.5/31

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2645.817+/-0.354 χ^2/NDF: 11177080.7/51

All: 2668.725+/-0.249 χ^2/NDF: 20869500.0/1

- sign 2691.378+/-0.352 χ^2/NDF: 9684080.7/54



Right In: 8.245+/-1.040 χ^2/NDF: 130.7/26

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

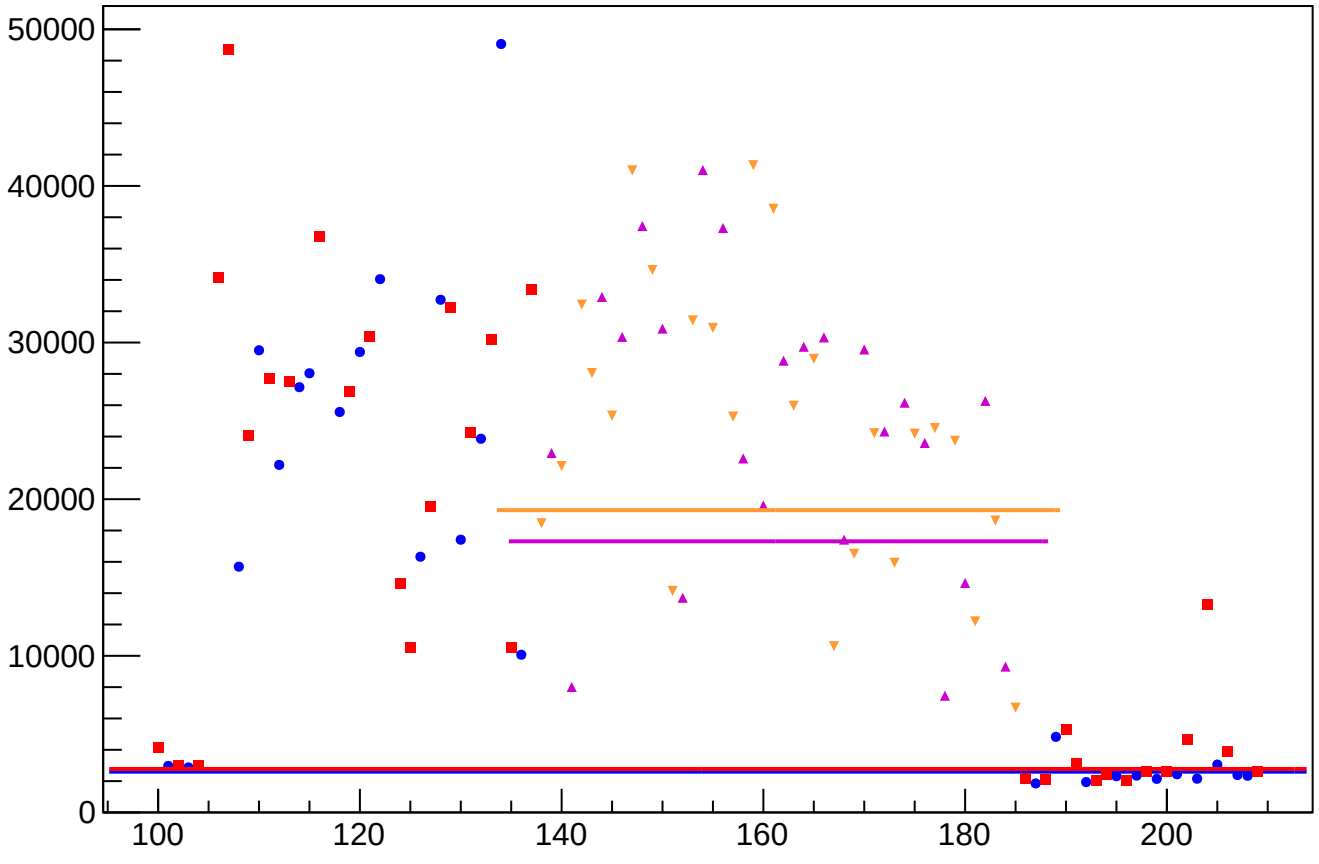
Right Out: -3.841+/-1.110 χ^2/NDF: 143.0/31

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 8.200+/-1.020 χ^2/NDF: 150.3/51

All: 2.484+/-0.743 χ^2/NDF: 381.8/106

- sign -3.981+/-1.085 χ^2/NDF: 164.5/54



Right In: 2604.007+/-0.735 χ^2/NDF: 7944713.4/26

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2778.787+/-0.785 χ^2/NDF: 9406656.6/31

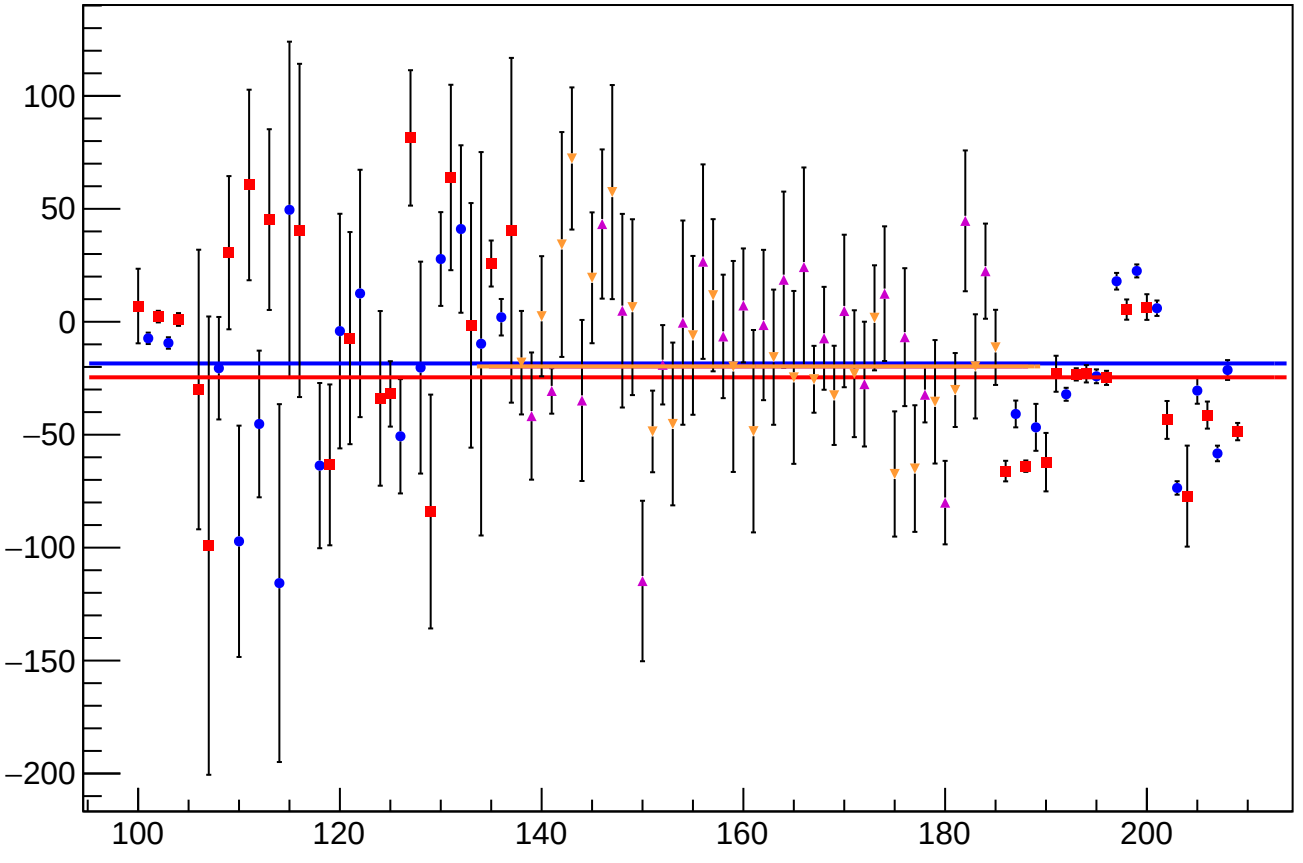
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3239.566+/-0.721 χ^2/NDF: 32605299.8/51

All: 3332.963+/-0.525 χ^2/NDF: 64322931.7/1

- sign 3438.611+/-0.767 χ^2/NDF: 31681890.8/54

diff_bpm0l03Y_mean vs Slug



Right In: -18.453+/-0.928 χ^2/NDF: 932.2/26

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -24.592+/-0.987 χ^2/NDF: 717.7/31

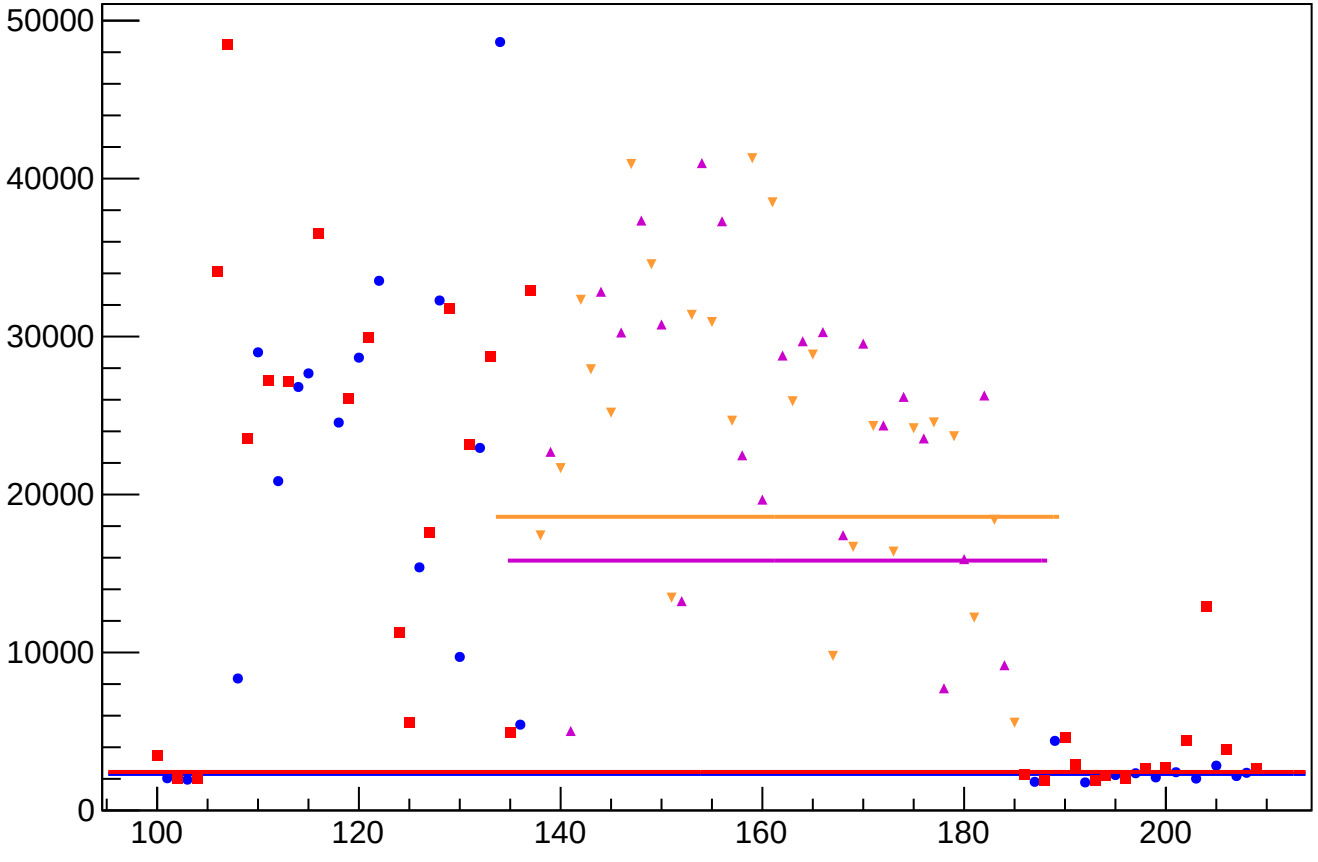
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -18.495+/-0.913 χ^2/NDF: 960.0/51

All: -21.279+/-0.664 χ^2/NDF: 1738.7/106

- sign -24.402+/-0.967 χ^2/NDF: 758.9/54

diff_bpm0l03Y_rms vs Slug



Right In: 2311.785+/-0.656 χ^2/NDF: 7067126.3/26

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2437.682+/-0.698 χ^2/NDF: 9016514.3/31

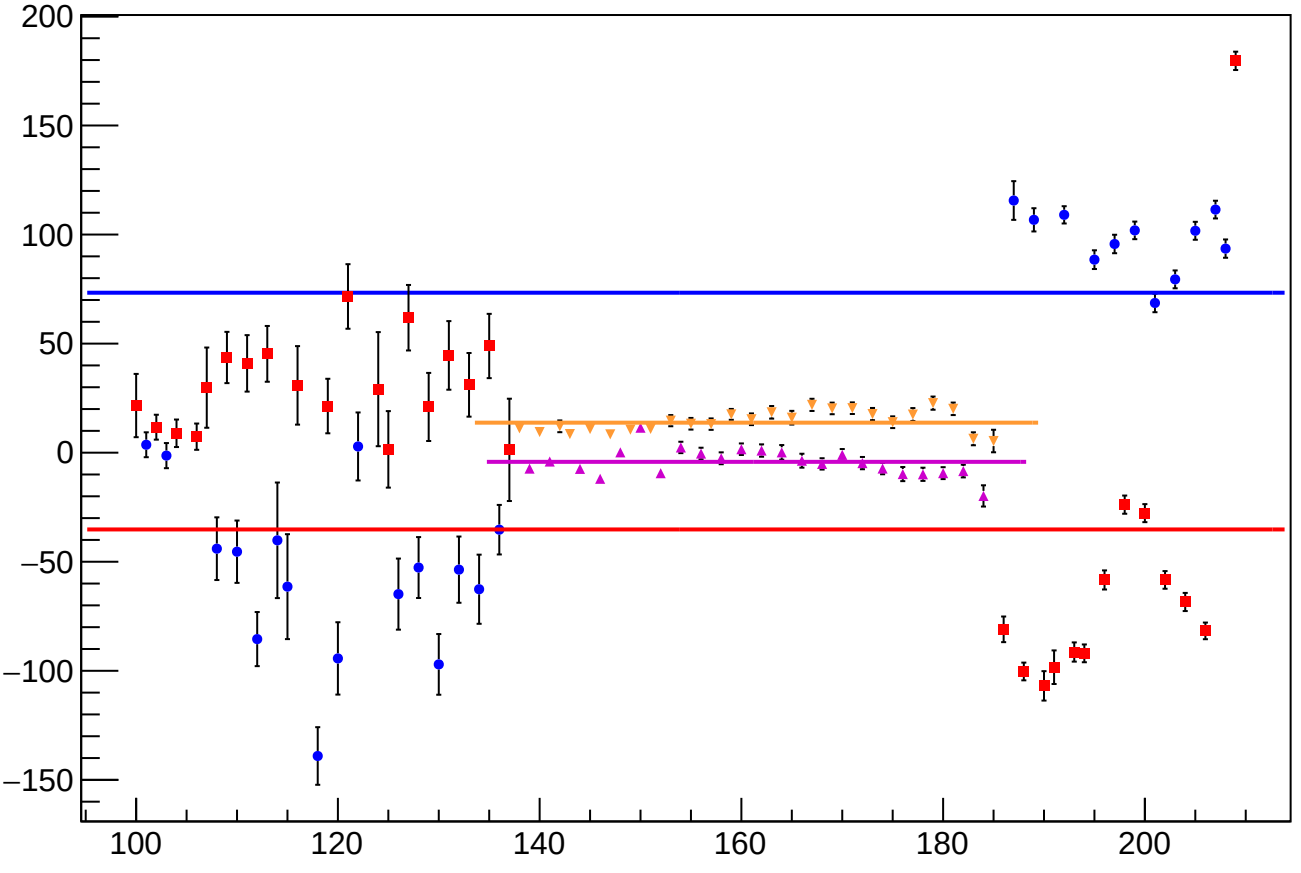
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2830.521+/-0.646 χ^2/NDF: 32360985.9/51

All: 2896.767+/-0.470 χ^2/NDF: 64448001.5/1

- sign 2971.088+/-0.684 χ^2/NDF: 32064693.6/54

diff_bpm0l04X_mean vs Slug



Right In: 73.333+/-1.196 χ^2/NDF: 1982.5/26

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -35.195+/-1.114 χ^2/NDF: 4293.1/31

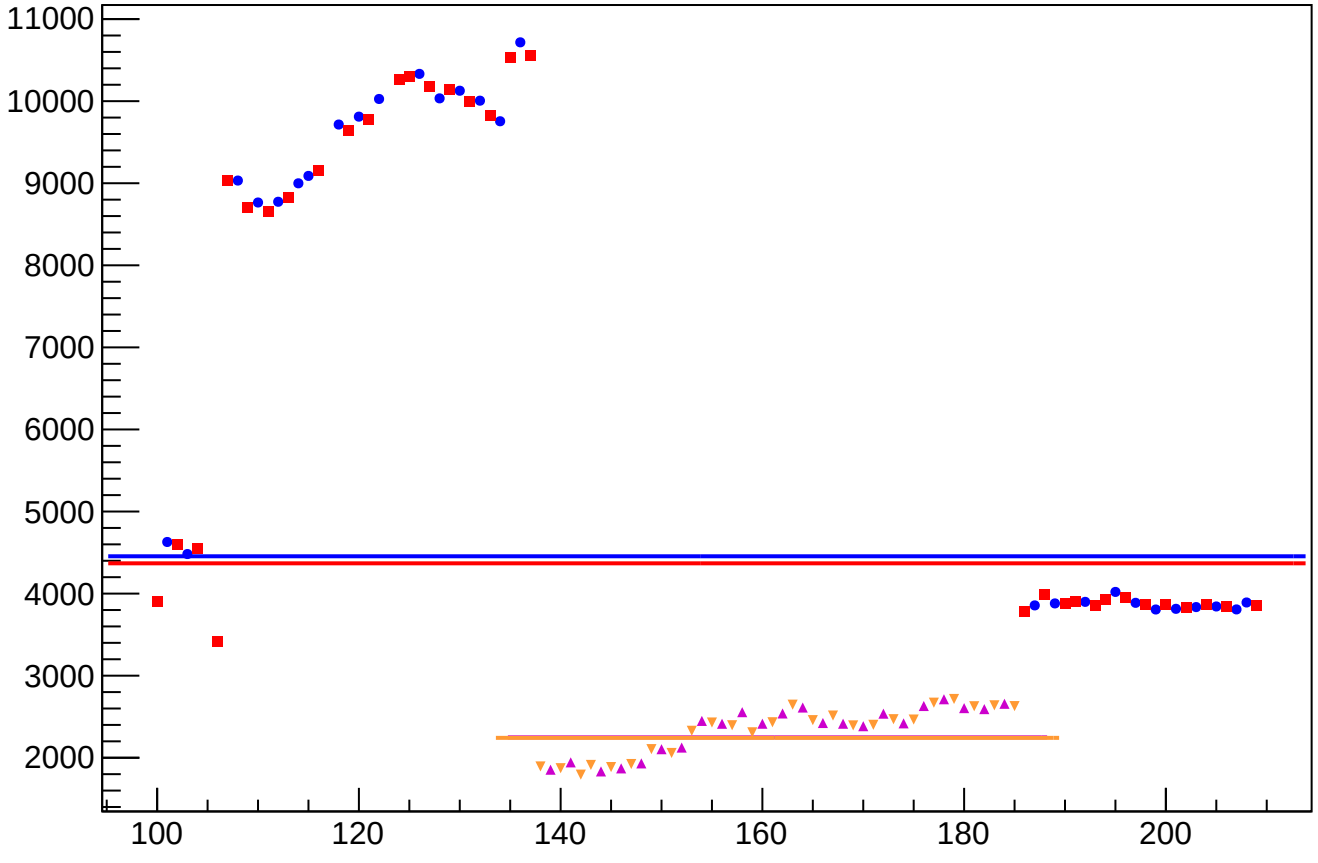
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 23.050+/-0.472 χ^2/NDF: 4154.1/51

All: 6.788+/-0.336 χ^2/NDF: 11606.0/106

- sign -9.920+/-0.479 χ^2/NDF: 5047.8/54

diff_bpm0l04X_rms vs Slug



Right In: 4454.730+/-0.846 χ^2/NDF: 3957606.1/26

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4368.911+/-0.788 χ^2/NDF: 3929504.5/31

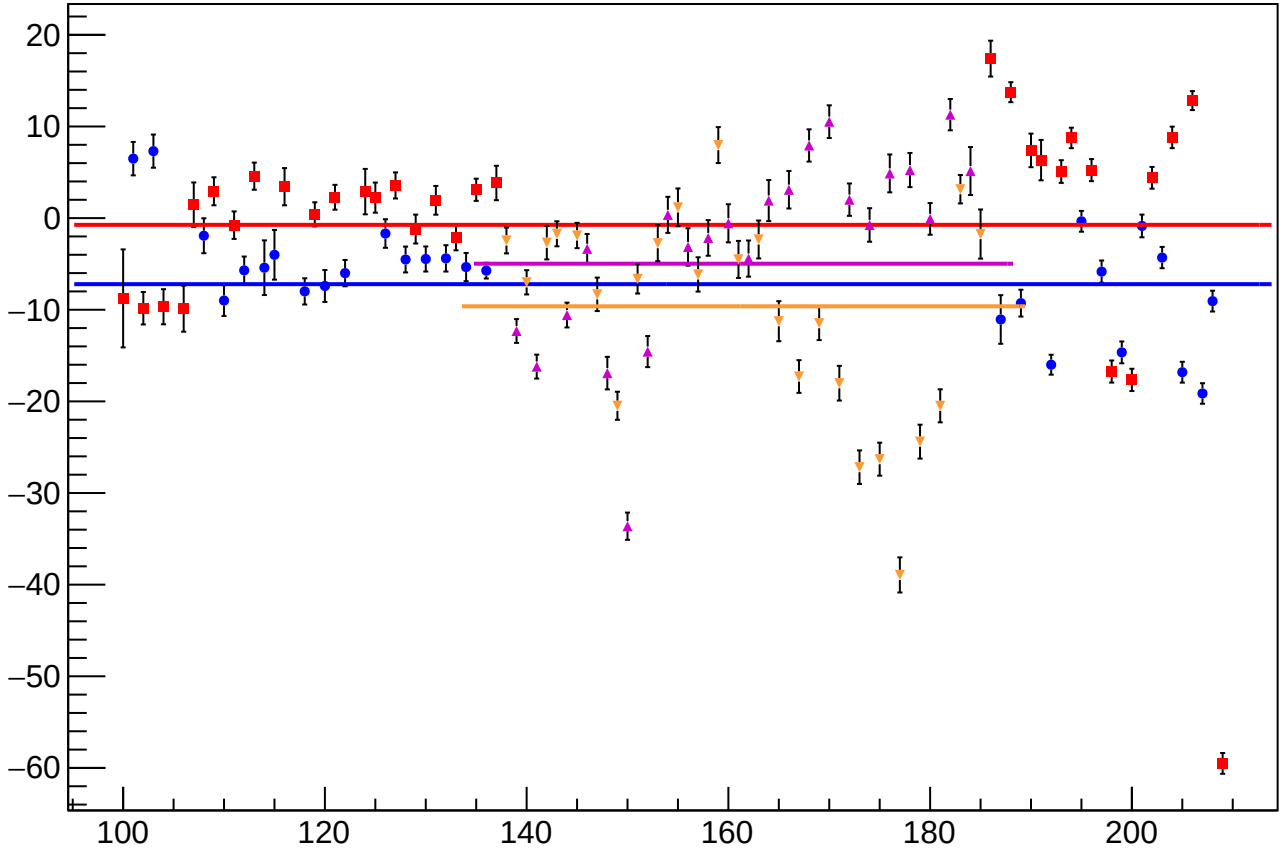
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2587.295+/-0.334 χ^2/NDF: 10392813.4/51

All: 2613.172+/-0.238 χ^2/NDF: 20880786.6/1

- sign 2639.761+/-0.338 χ^2/NDF: 10475796.7/54

diff_bpm0l04Y_mean vs Slug



Right In: -7.208+/-0.265 χ^2/NDF: 527.9/26

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -0.735+/-0.256 χ^2/NDF: 3841.4/31

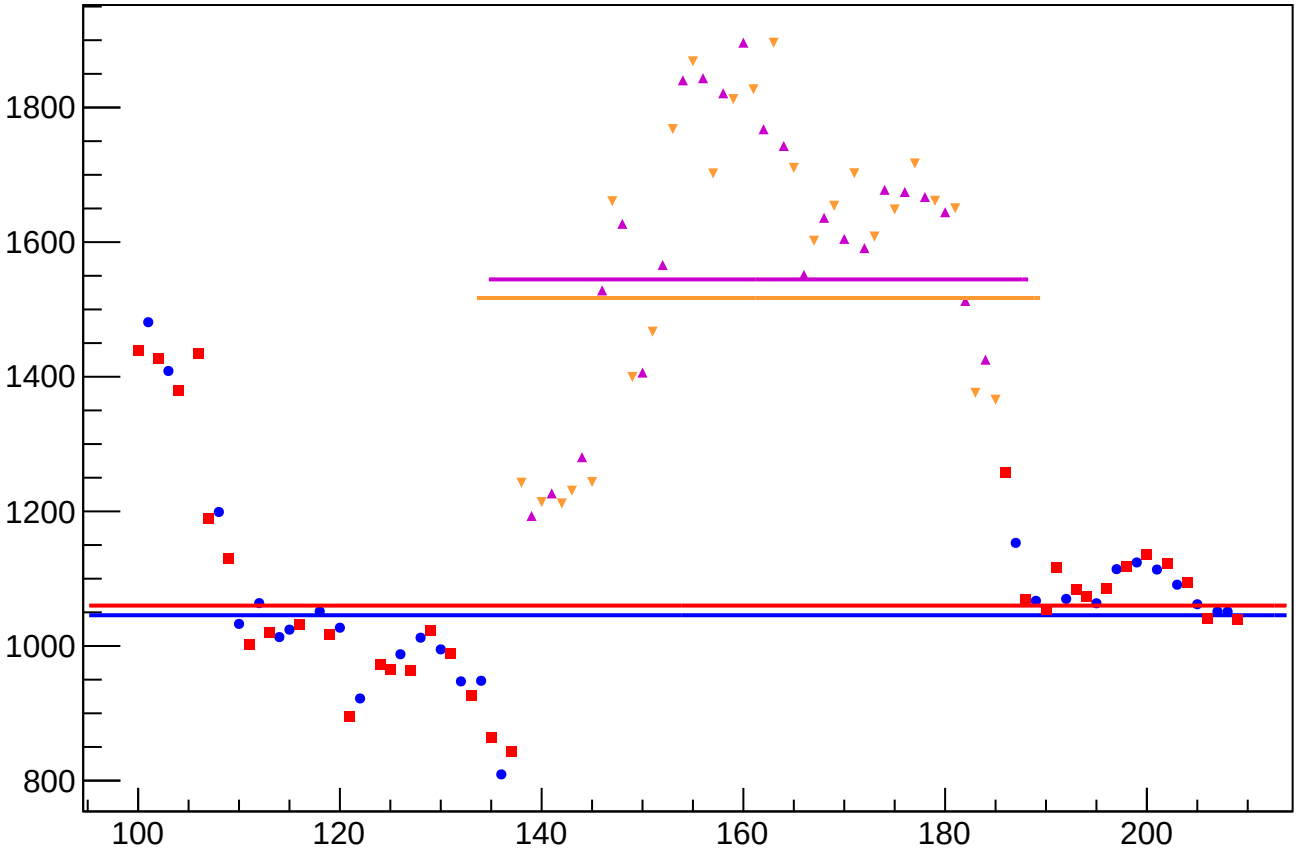
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -8.088+/-0.211 χ^2/NDF: 1492.5/51

All: -5.095+/-0.149 χ^2/NDF: 6754.9/106

- sign -2.136+/-0.210 χ^2/NDF: 4861.7/54

diff_bpm0l04Y_rms vs Slug



Right In: 1045.693+/-0.187 χ^2/NDF: 428240.3/26

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1060.032+/-0.181 χ^2/NDF: 407558.2/31

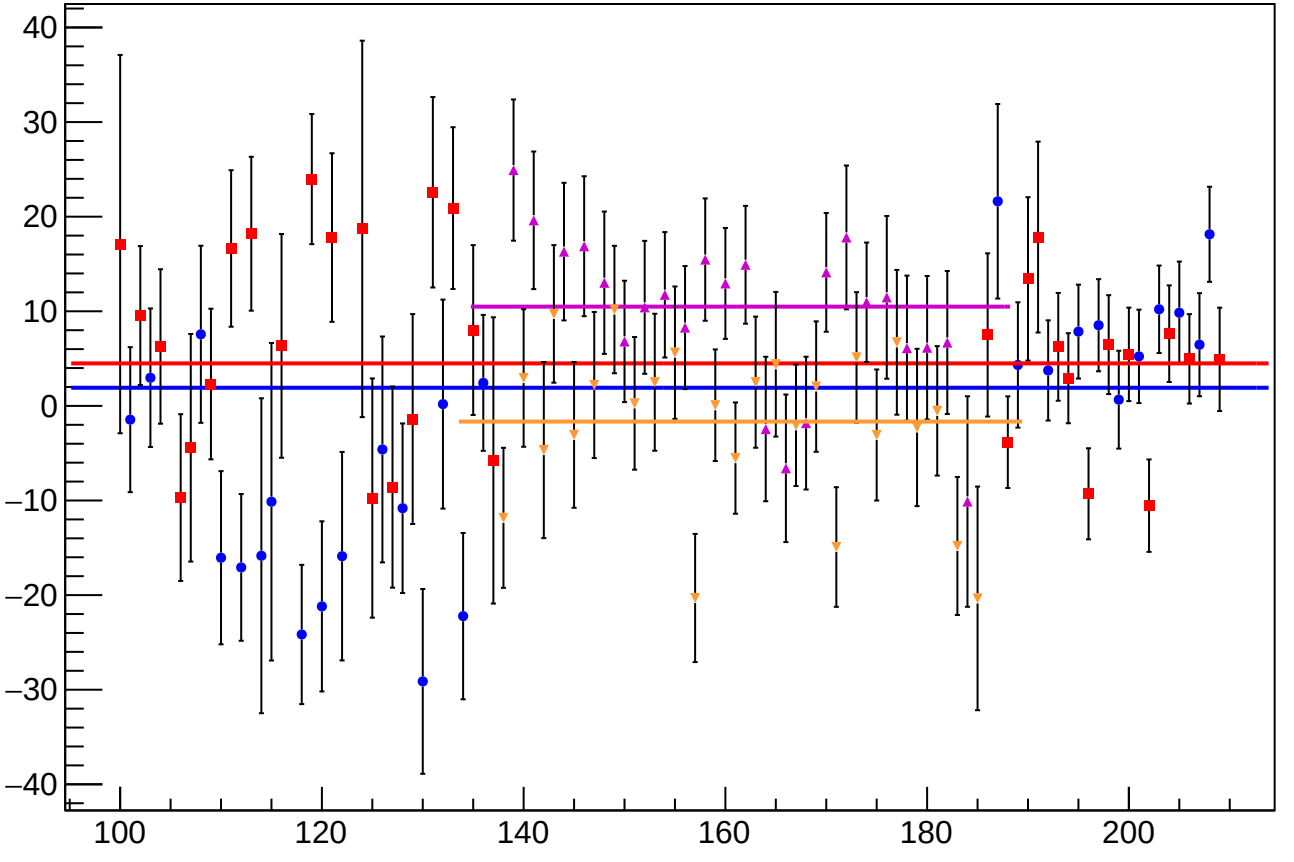
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1217.623+/-0.149 χ^2/NDF: 3576817.5/51

All: 1218.939+/-0.105 χ^2/NDF: 6987962.0/10

- sign 1220.240+/-0.148 χ^2/NDF: 3410989.6/54

diff_bpm0l05X_mean vs Slug



Right In: 1.917+/-1.318 χ^2/NDF: 78.0/26

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

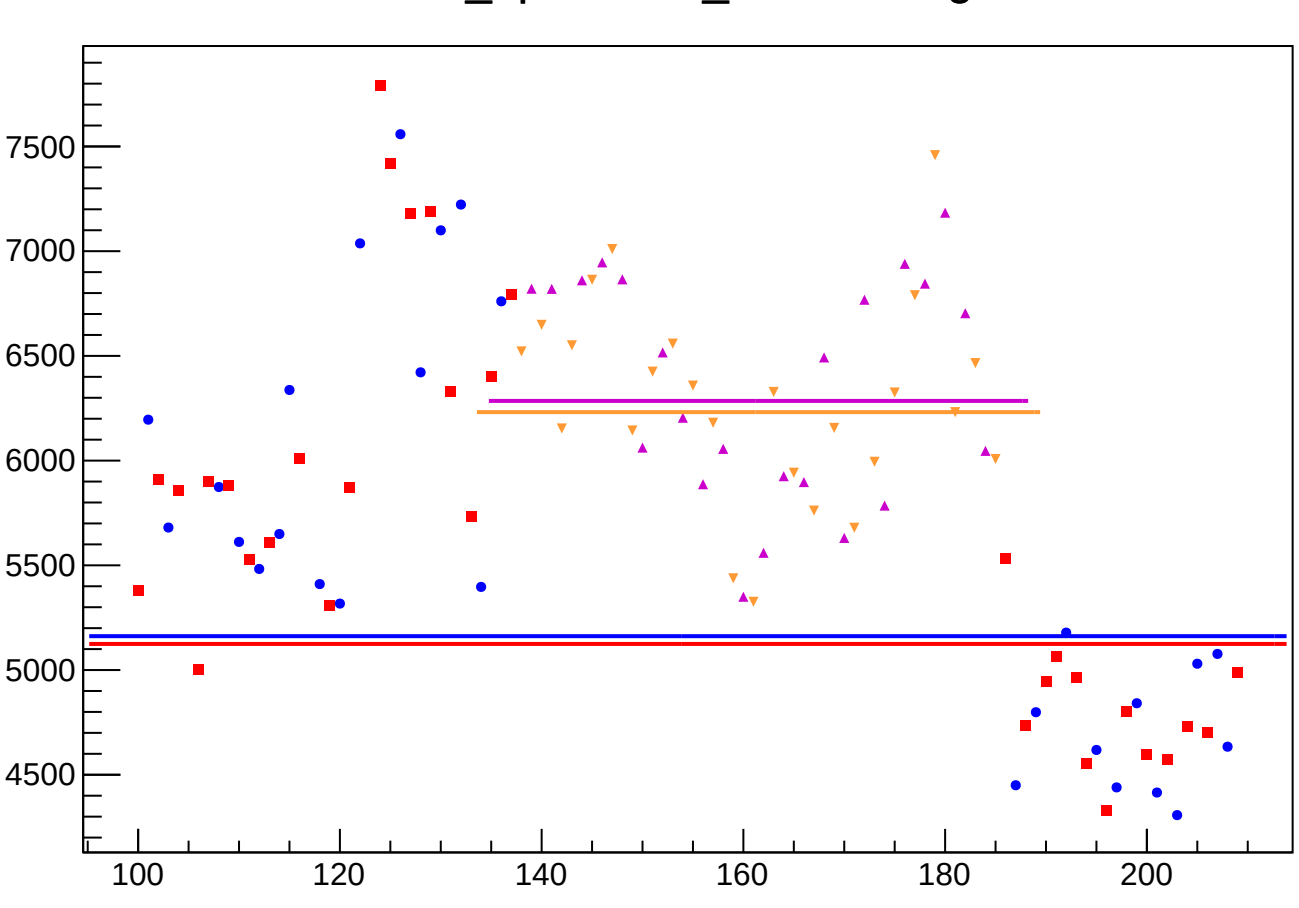
Right Out: 4.494+/-1.248 χ^2/NDF: 54.9/31

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 0.272+/-0.968 χ^2/NDF: 112.9/51

All: 3.678+/-0.679 χ^2/NDF: 226.7/106

- sign 6.988+/-0.954 χ^2/NDF: 89.4/54



Right In: 5161.706+/-0.932 χ^2/NDF: 736773.1/26

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5124.636+/-0.883 χ^2/NDF: 642894.4/31

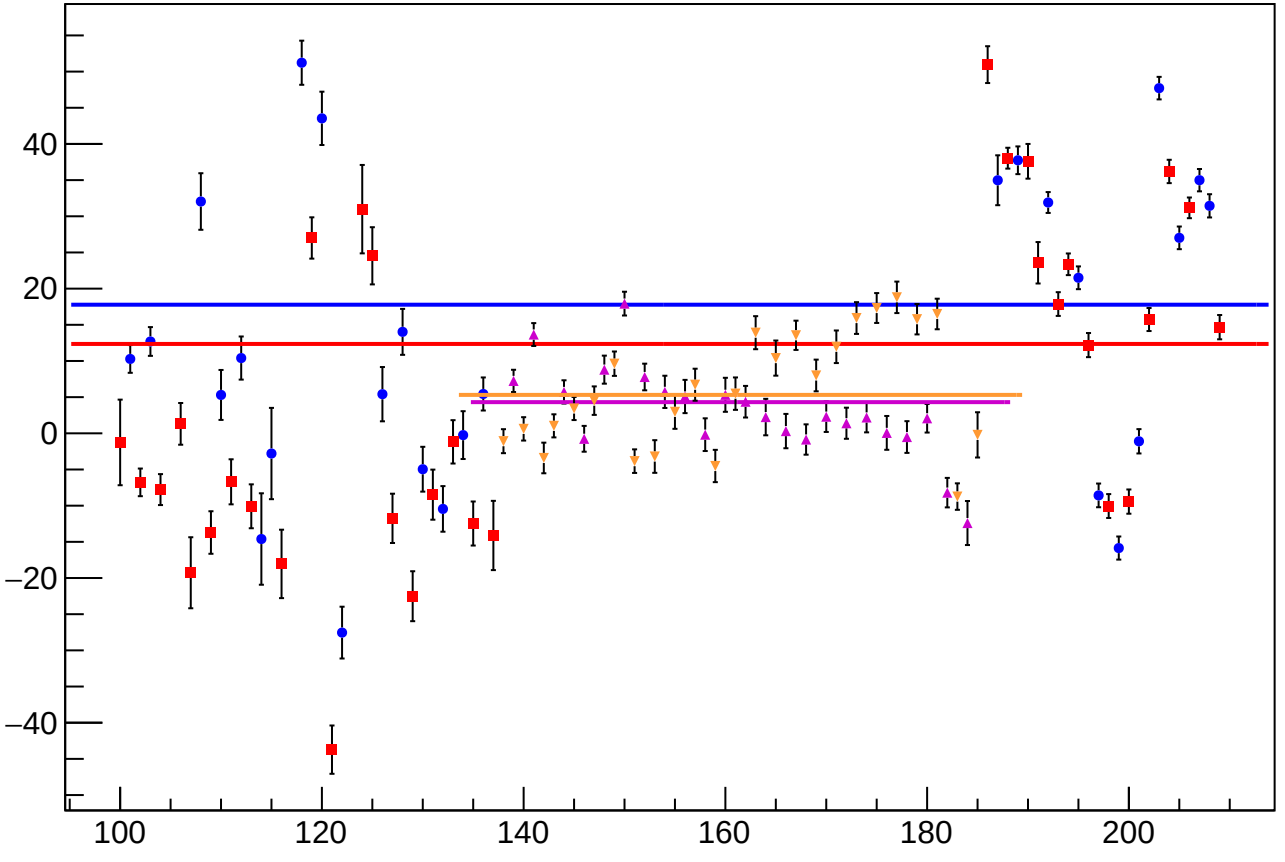
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5654.458+/-0.684 χ^2/NDF: 1570753.7/51

All: 5630.426+/-0.480 χ^2/NDF: 3200072.5/10

- sign 5607.077+/-0.675 χ^2/NDF: 1626888.3/54

diff_bpm0l05Y_mean vs Slug



Right In: 17.779+/-0.417 χ^2/NDF: 2290.6/26

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 12.355+/-0.397 χ^2/NDF: 2585.6/31

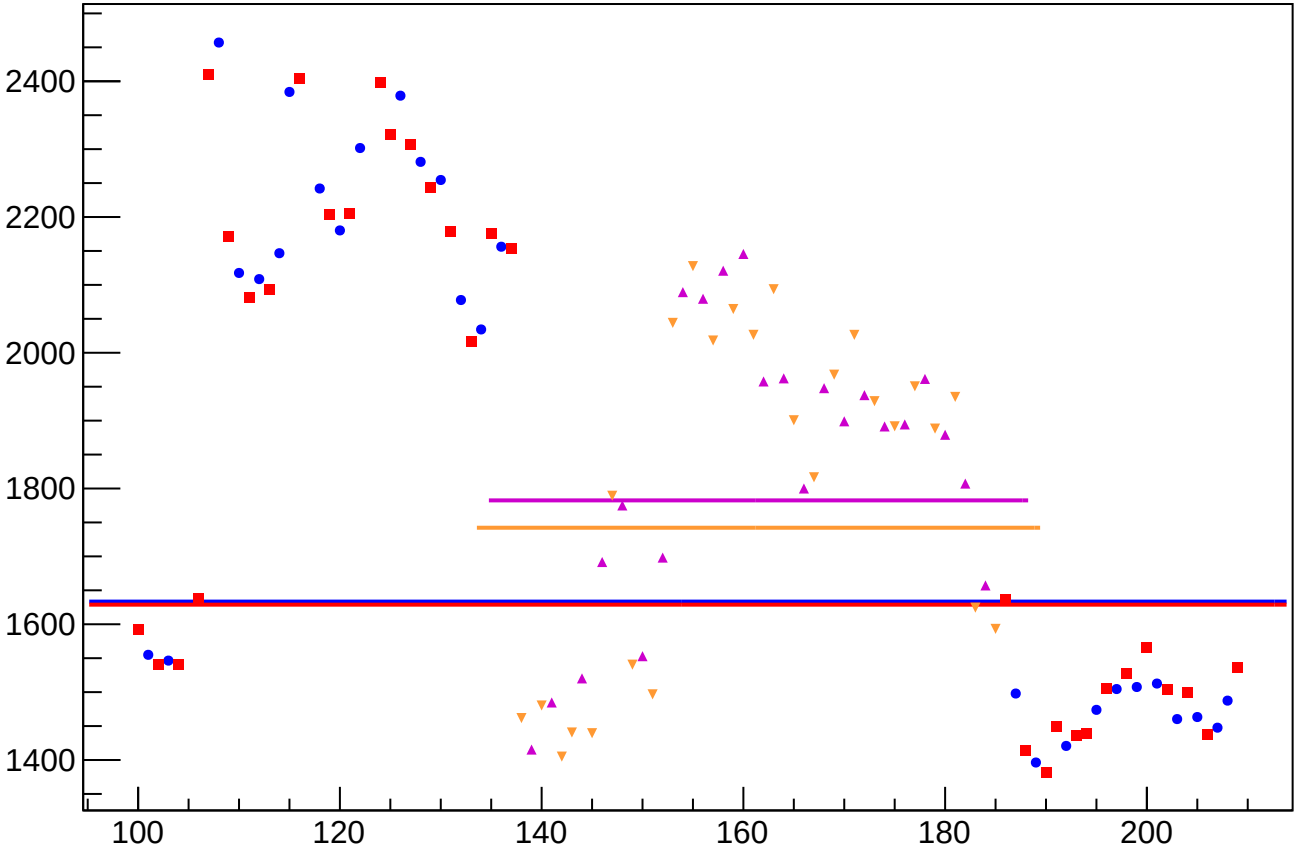
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 11.287+/-0.289 χ^2/NDF: 3133.3/51

All: 9.920+/-0.204 χ^2/NDF: 6177.5/106

\- sign 8.555+/-0.289 χ^2/NDF: 2999.5/54

diff_bpm0l05Y_rms vs Slug



Right In: 1633.386+/-0.295 χ^2/NDF: 1064212.6/26

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1628.873+/-0.281 χ^2/NDF: 1040126.3/31

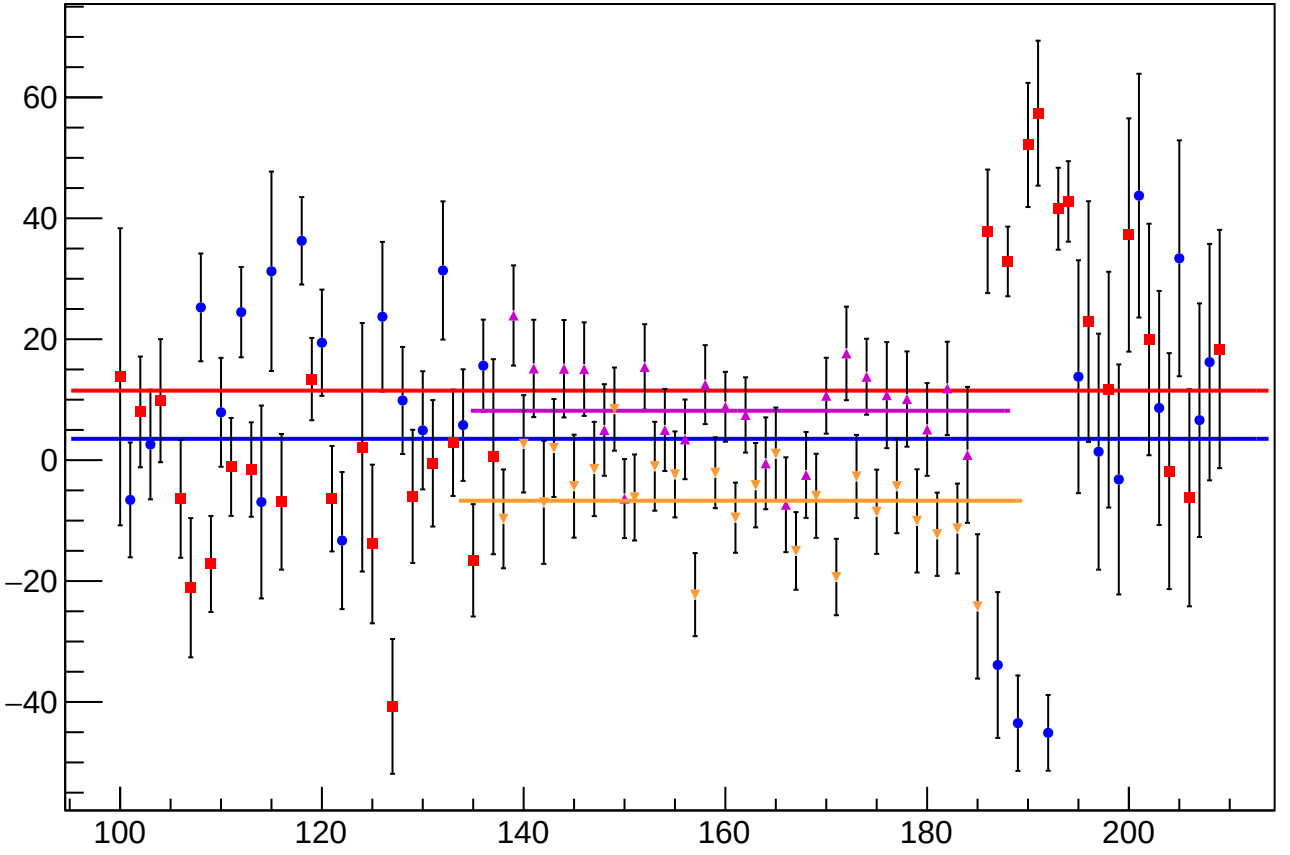
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1690.062+/-0.204 χ^2/NDF: 1902703.2/51

All: 1695.756+/-0.144 χ^2/NDF: 3619894.7/10

- sign 1701.441+/-0.204 χ^2/NDF: 1715639.2/54

diff_bpm0l06X_mean vs Slug



Right In: 3.526+/-2.002 χ^2/NDF: 168.9/26

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

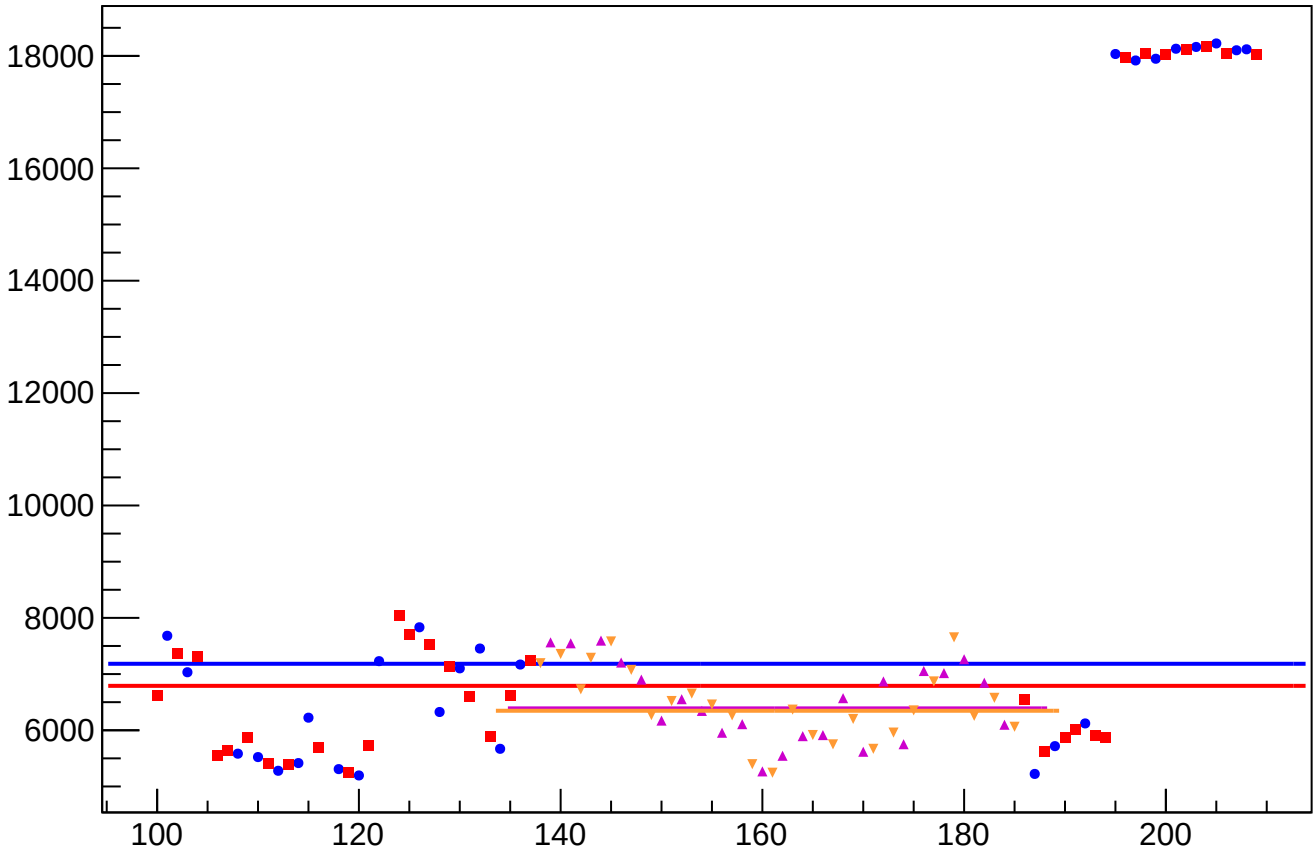
Right Out: 11.498+/-1.788 χ^2/NDF: 173.5/31

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

\+ sign -3.165+/-1.178 χ^2/NDF: 211.7/51

All: 3.331+/-0.824 χ^2/NDF: 470.8/106

\- sign 9.556+/-1.154 χ^2/NDF: 199.6/54



Right In: 7183.088+/-1.416 χ^2/NDF: 5812493.4/26

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6790.388+/-1.264 χ^2/NDF: 5386929.2/31

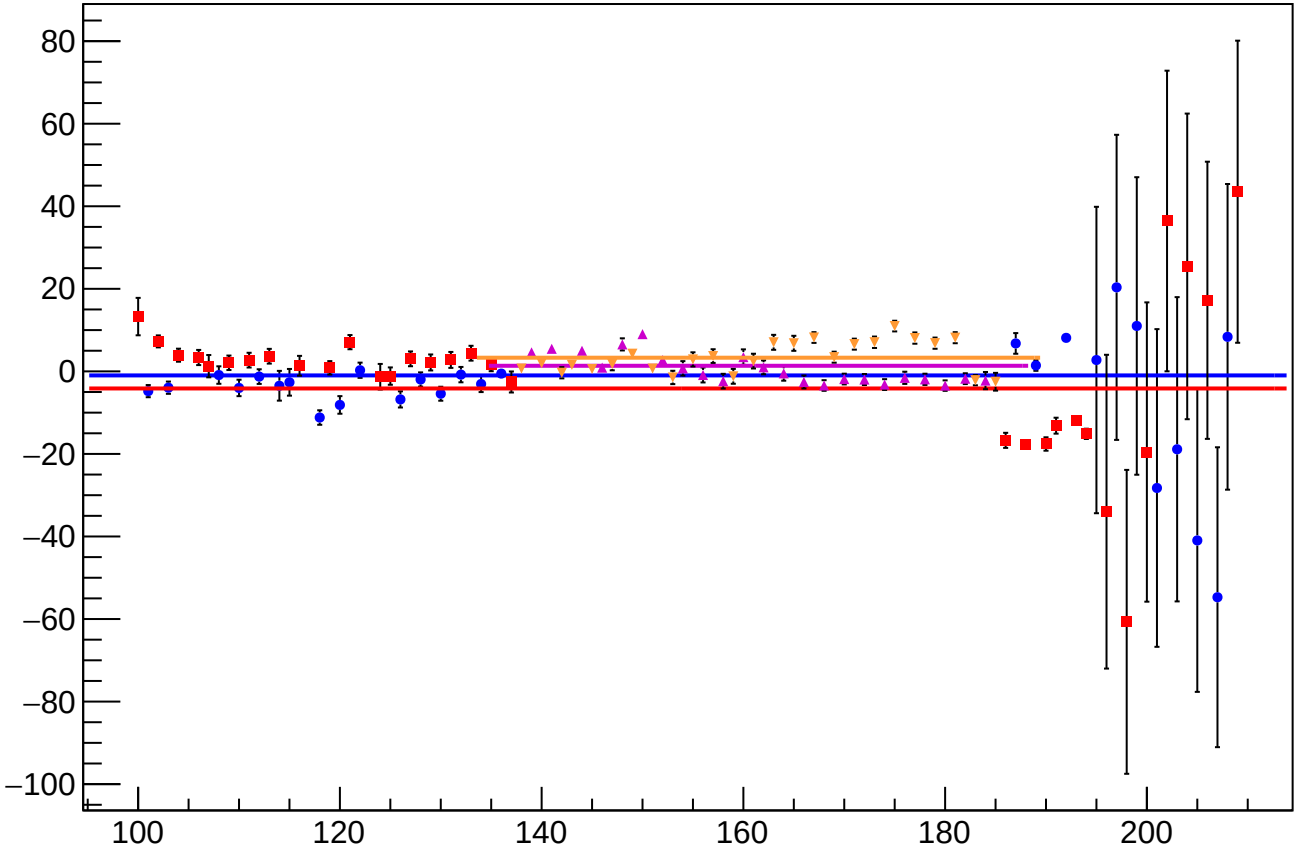
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6636.876+/-0.833 χ^2/NDF: 6426314.2/51

All: 6595.752+/-0.583 χ^2/NDF: 12296478.2/1

- sign 6556.344+/-0.816 χ^2/NDF: 5865394.5/54

diff_bpm0l06Y_mean vs Slug



Right In: -0.980+/-0.386 χ^2/NDF: 183.5/26

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.142+/-0.342 χ^2/NDF: 751.5/31

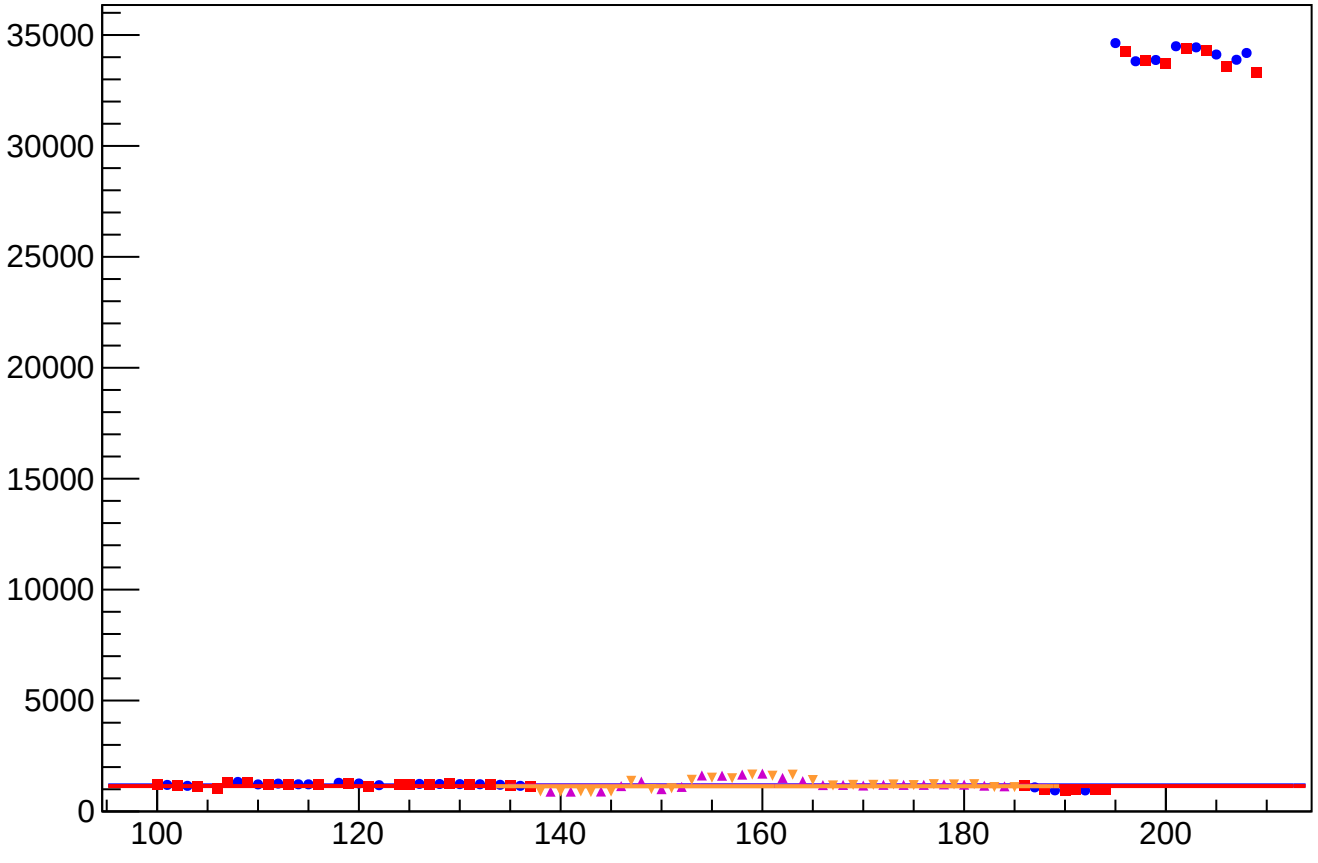
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.940+/-0.218 χ^2/NDF: 445.6/51

All: 0.541+/-0.153 χ^2/NDF: 1630.7/106

- sign -0.819+/-0.215 χ^2/NDF: 1104.0/54

diff_bpm0l06Y_rms vs Slug



Right In: 1176.594+/-0.273 χ^2/NDF: 12994585.8/26

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

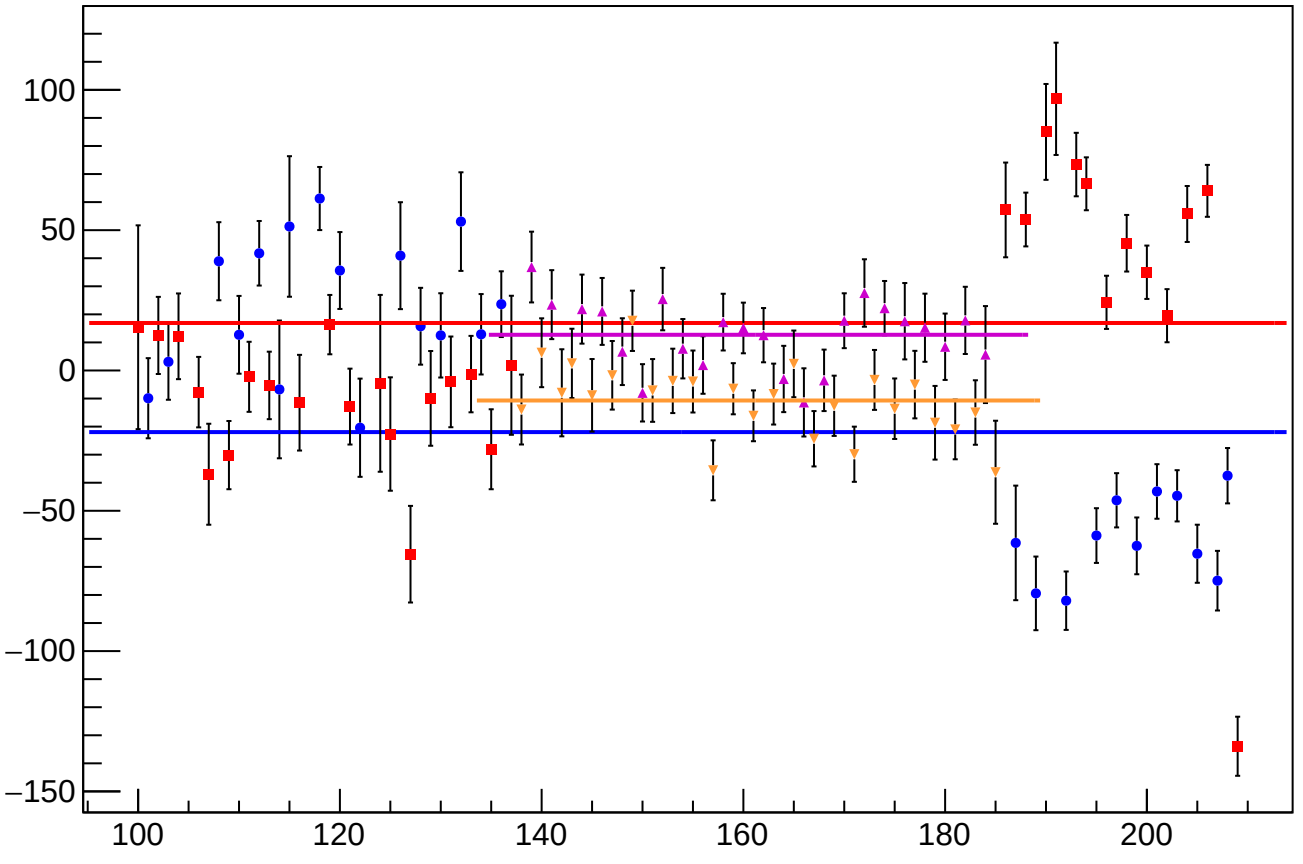
Right Out: 1143.590+/-0.242 χ^2/NDF: 11619838.9/31

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1149.753+/-0.154 χ^2/NDF: 14478489.7/51

All: 1151.483+/-0.108 χ^2/NDF: 27360964.2/1

- sign 1153.165+/-0.152 χ^2/NDF: 12882226.4/54



Right In: -21.958+/-2.387 χ^2/NDF: 353.4/26

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

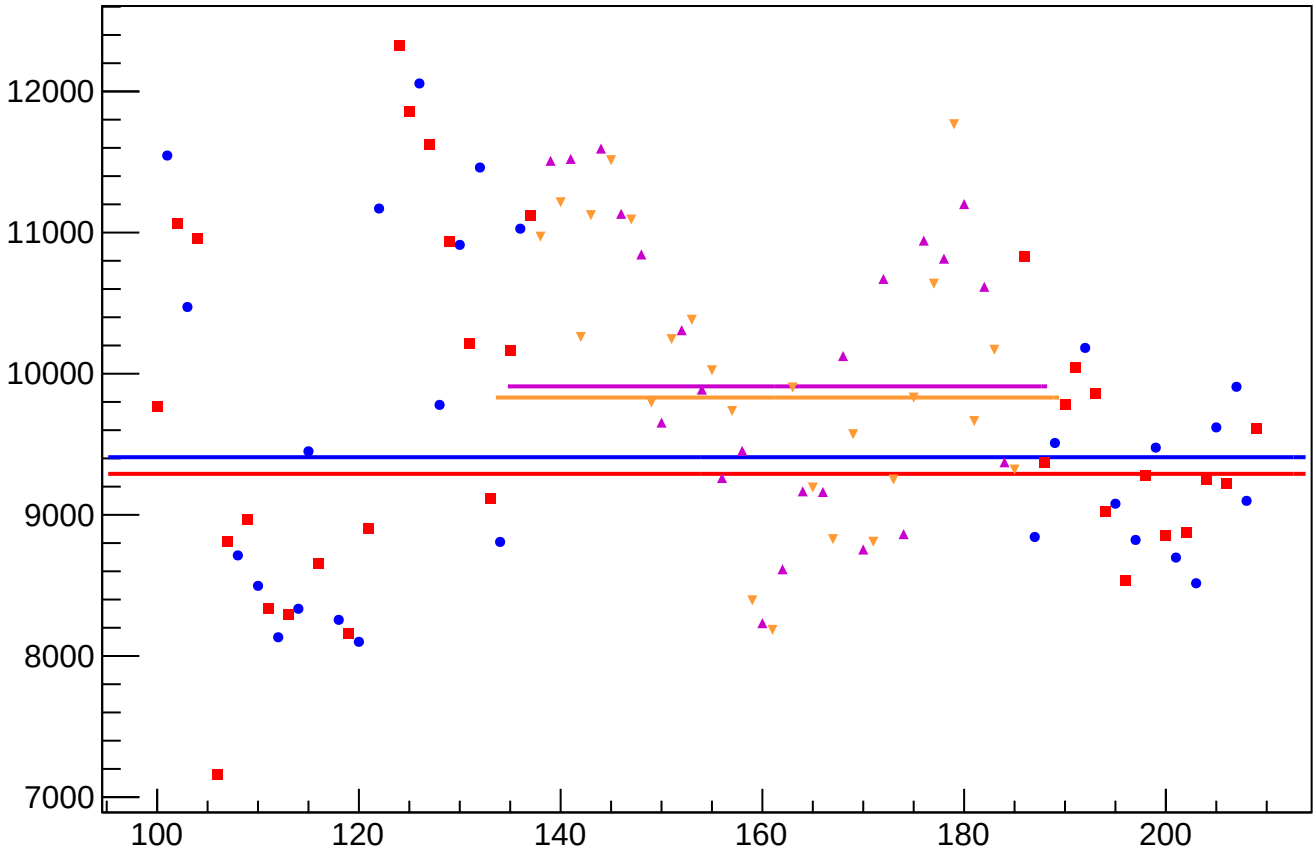
Right Out: 16.925+/-2.252 χ^2/NDF: 448.5/31

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -16.012+/-1.640 χ^2/NDF: 393.8/51

All: -0.391+/-1.154 χ^2/NDF: 1047.6/106

- sign 14.903+/-1.623 χ^2/NDF: 474.2/54



Right In: 9408.585+/-1.688 χ^2/NDF: 347437.9/26

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9290.571+/-1.592 χ^2/NDF: 353238.6/31

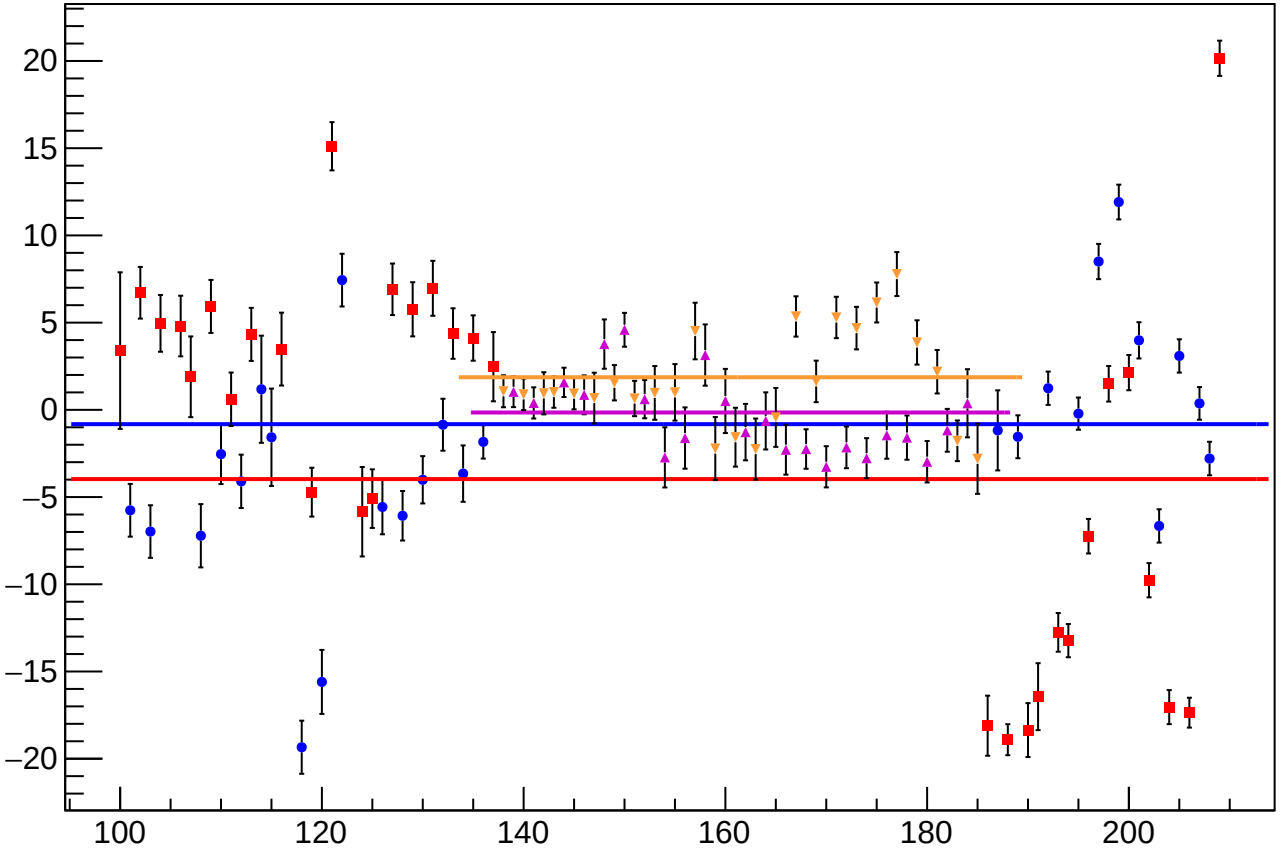
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9631.772+/-1.160 χ^2/NDF: 736670.8/51

All: 9609.887+/-0.816 χ^2/NDF: 1552780.2/10

- sign 9588.459+/-1.148 χ^2/NDF: 815404.7/54

diff_bpm0l07Y_mean vs Slug



Right In: -0.821+/-0.241 χ^2/NDF: 656.4/26

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.970+/-0.232 χ^2/NDF: 2367.3/31

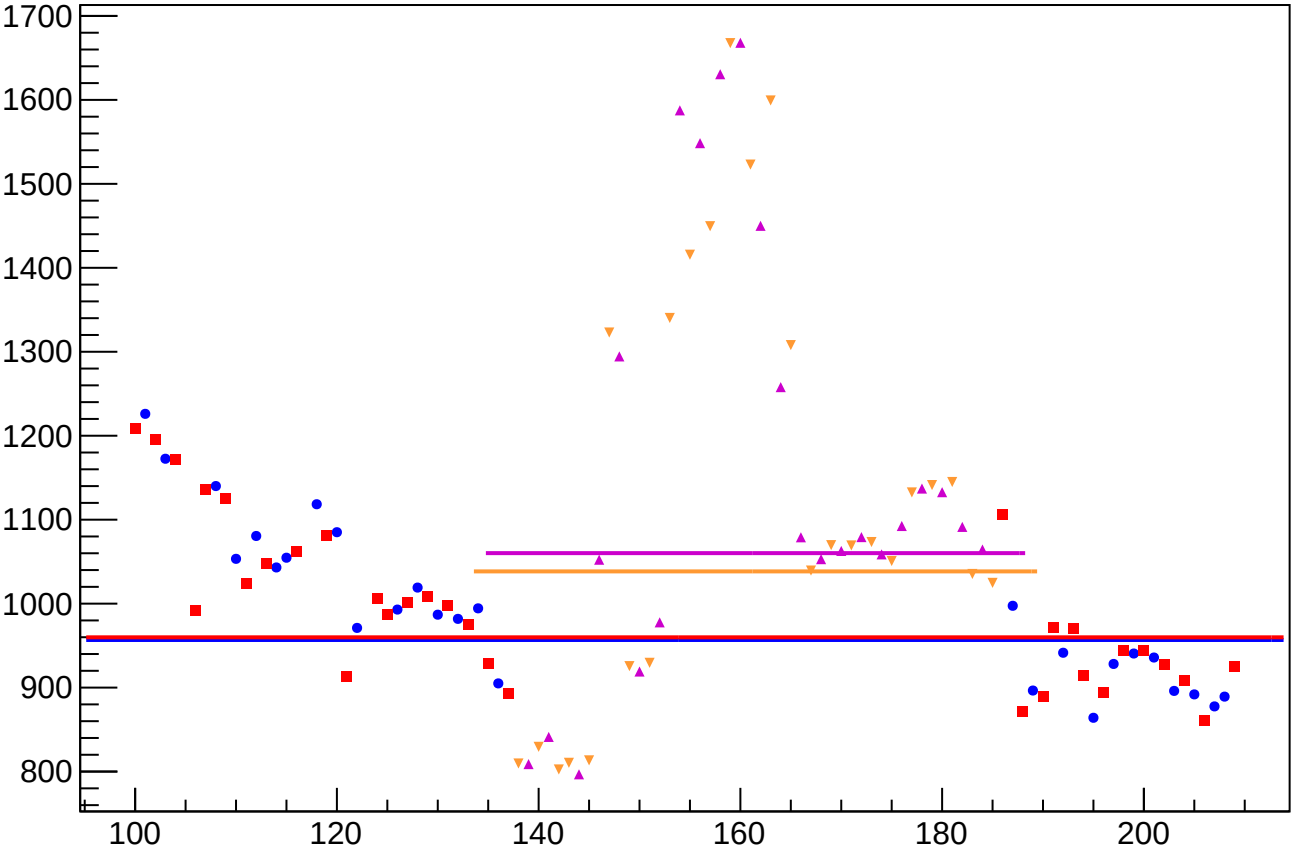
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.517+/-0.171 χ^2/NDF: 821.3/51

All: -0.861+/-0.121 χ^2/NDF: 3517.2/106

- sign -2.241+/-0.171 χ^2/NDF: 2566.1/54

diff_bpm0l07Y_rms vs Slug



Right In: 956.724+/-0.171 χ^2/NDF: 264814.6/26

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 959.876+/-0.164 χ^2/NDF: 258219.6/31

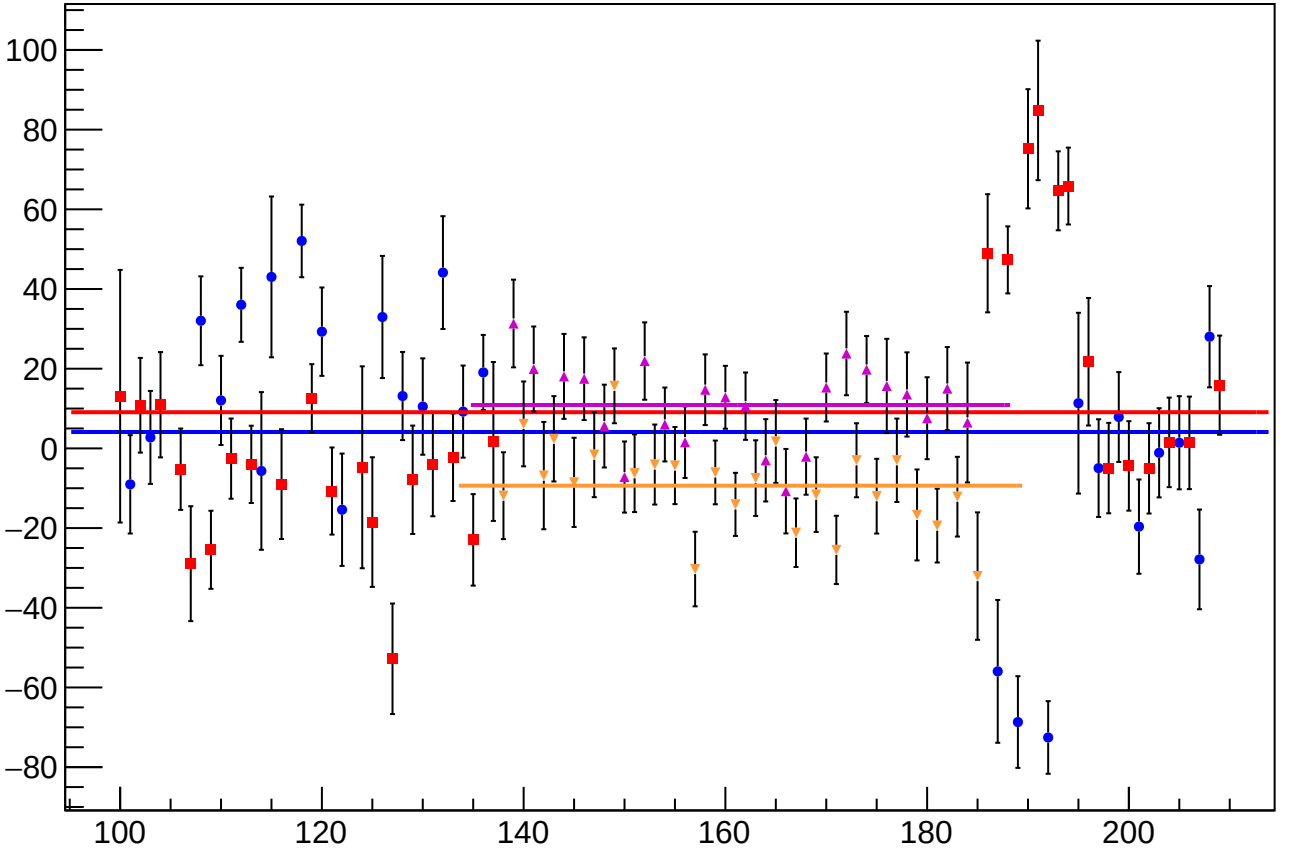
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 997.348+/-0.121 χ^2/NDF: 2085415.0/51

All: 1001.316+/-0.086 χ^2/NDF: 4038951.6/10

- sign 1005.289+/-0.121 χ^2/NDF: 1951384.7/54

diff_bpm0l08X_mean vs Slug



Right In: 4.113+/-2.300 χ^2/NDF: 210.8/26

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 9.079+/-2.117 χ^2/NDF: 202.9/31

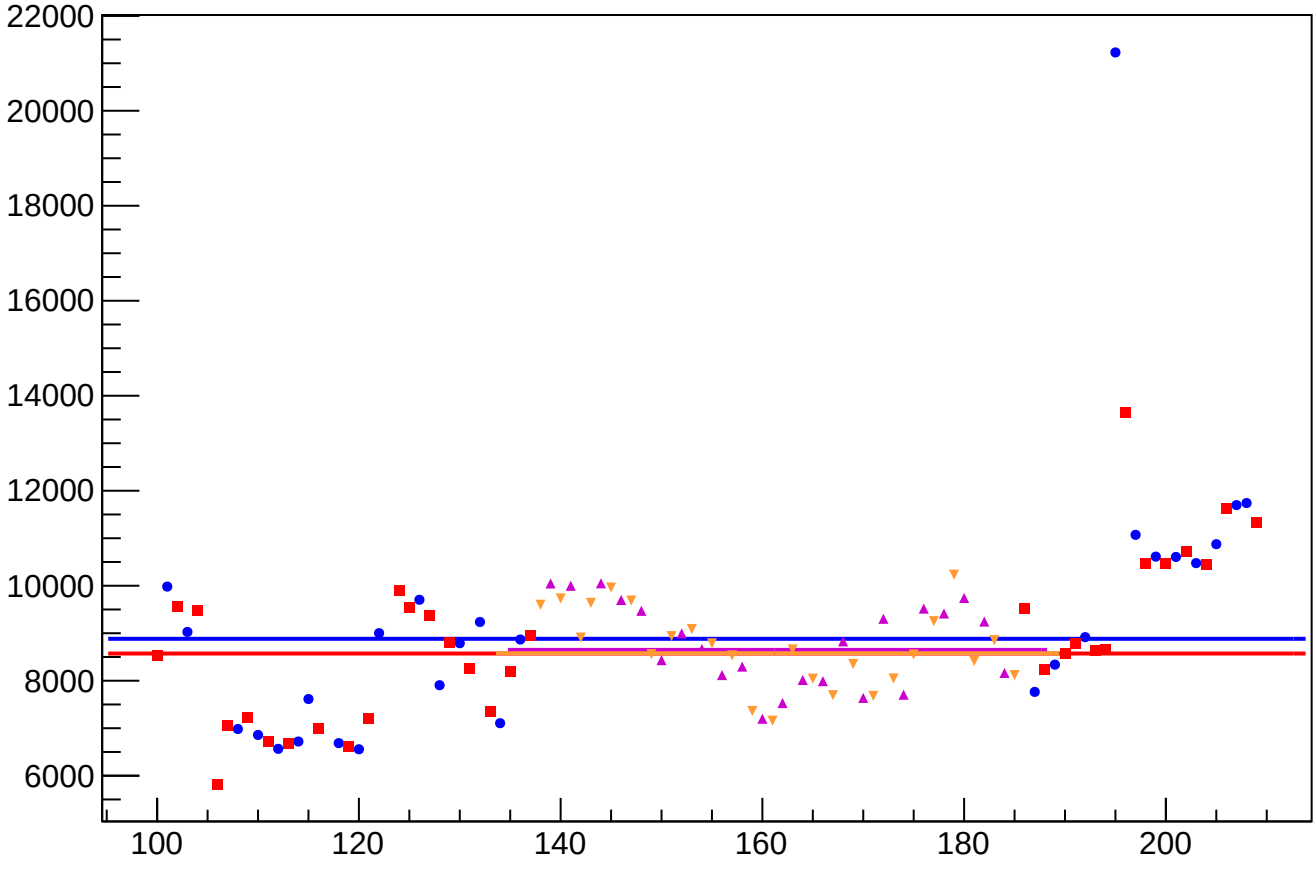
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.660+/-1.496 χ^2/NDF: 259.1/51

All: 3.299+/-1.048 χ^2/NDF: 528.5/106

- sign 10.018+/-1.470 χ^2/NDF: 226.8/54

diff_bpm0l08X_rms vs Slug



Right In: 8882.660+/-1.627 χ^2/NDF: 1629071.4/26

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8572.557+/-1.497 χ^2/NDF: 1273150.9/31

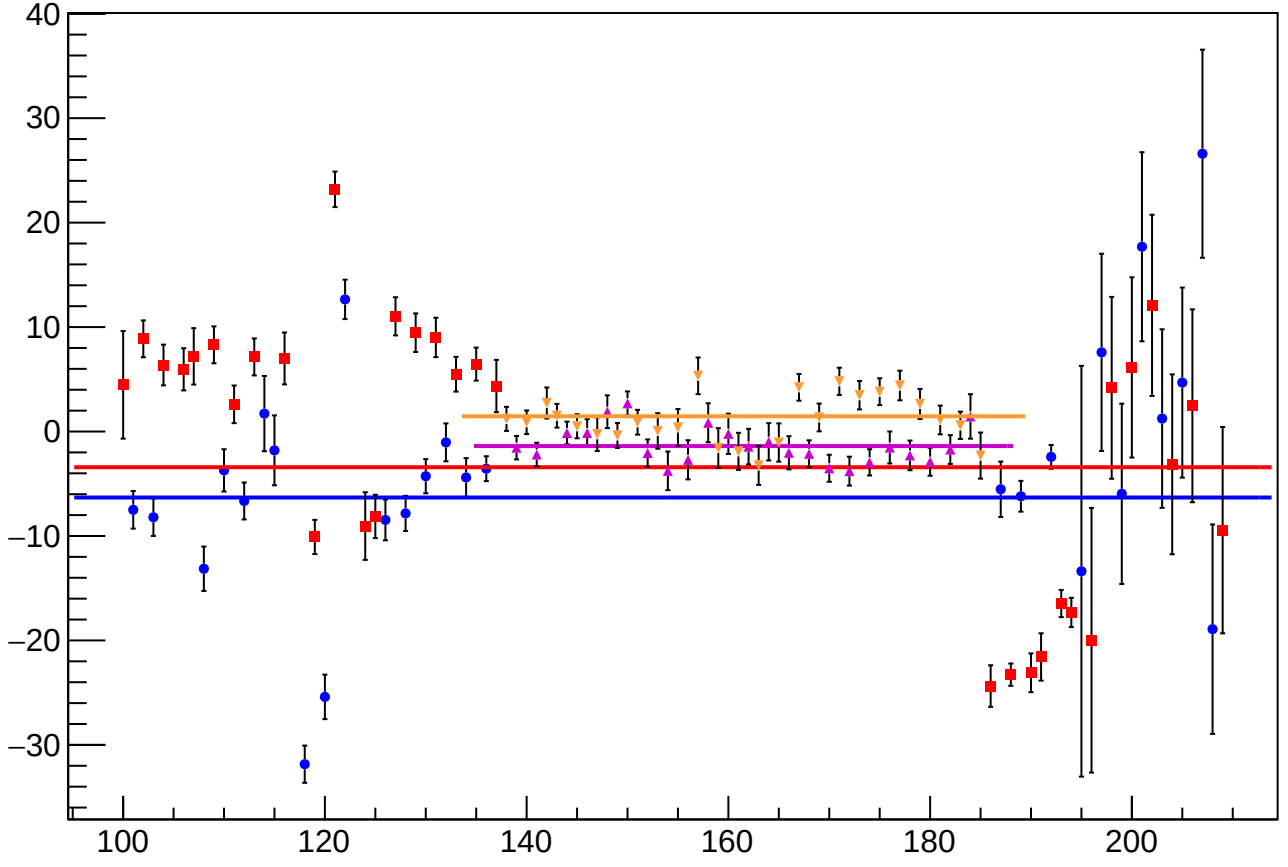
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8707.062+/-1.058 χ^2/NDF: 1992984.0/51

All: 8658.832+/-0.741 χ^2/NDF: 3649511.6/10

- sign 8612.268+/-1.039 χ^2/NDF: 1652441.6/54

diff_bpm0l08Y_mean vs Slug



Right In: -6.316+/-0.404 χ^2/NDF: 461.6/26

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.418+/-0.359 χ^2/NDF: 1561.9/31

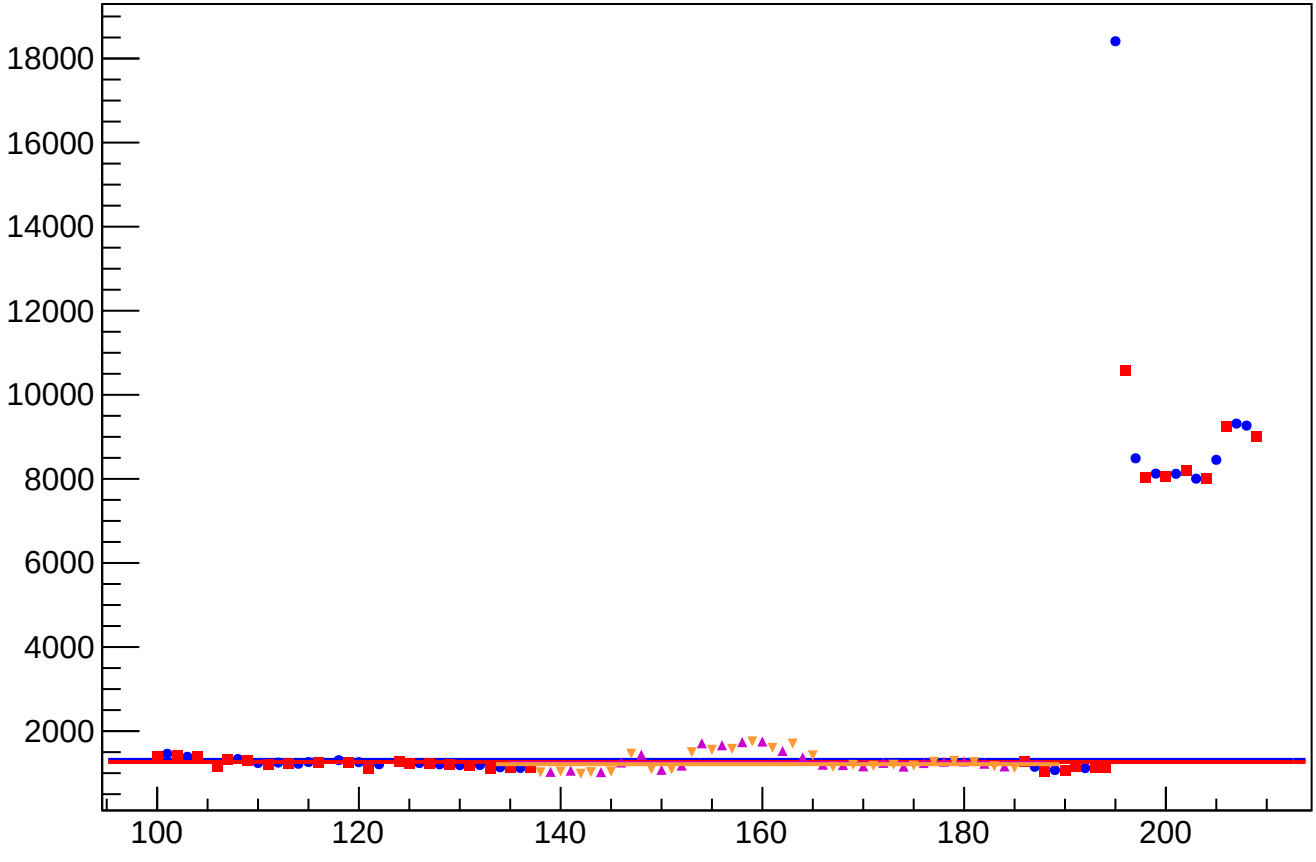
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.072+/-0.230 χ^2/NDF: 763.0/51

All: -1.645+/-0.162 χ^2/NDF: 2391.7/106

- sign -2.204+/-0.228 χ^2/NDF: 1616.5/54

diff_bpm0l08Y_rms vs Slug



Right In: 1315.945+/-0.285 χ^2/NDF: 10300412.6/26

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1265.887+/-0.254 χ^2/NDF: 8994721.7/31

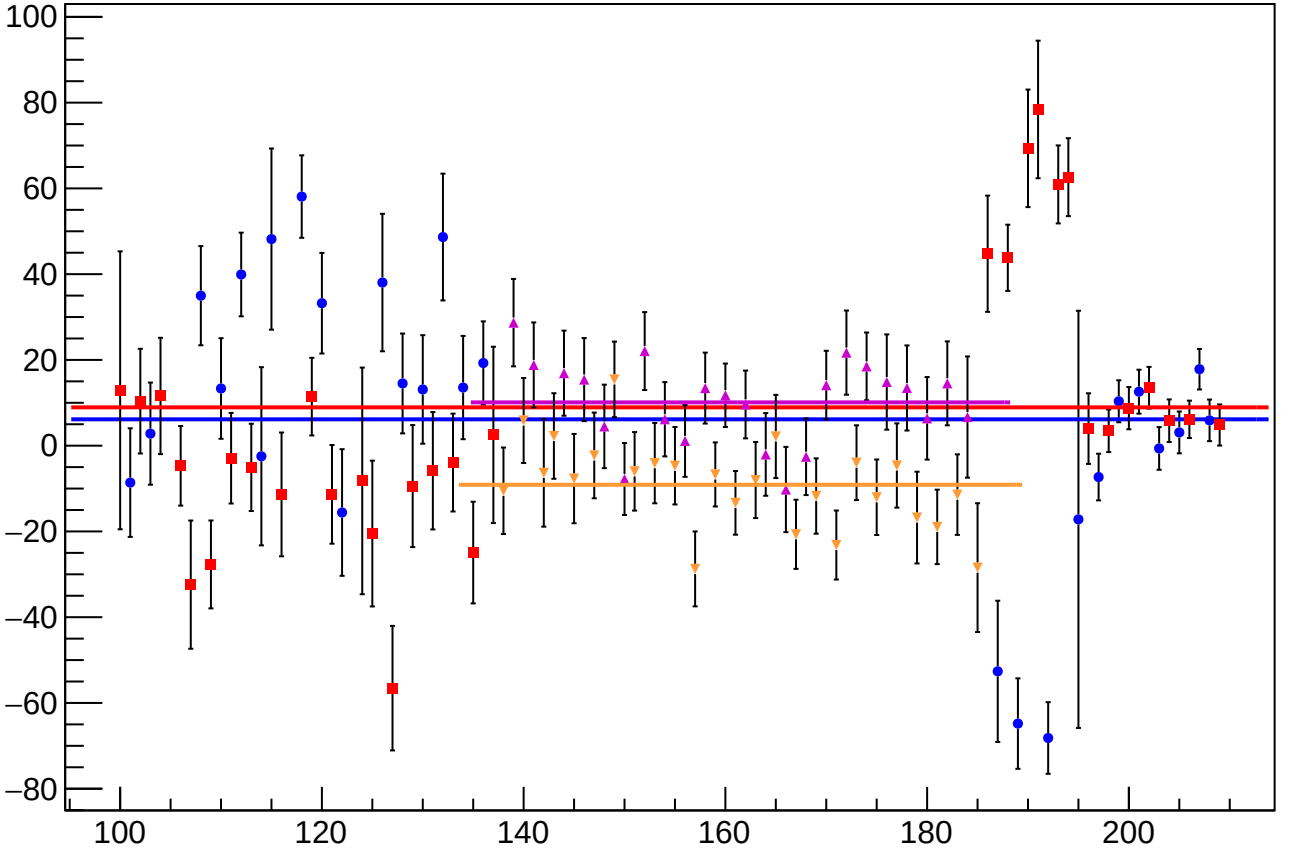
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1246.710+/-0.163 χ^2/NDF: 11400461.6/51

All: 1248.324+/-0.114 χ^2/NDF: 21287591.8/1

- sign 1249.901+/-0.161 χ^2/NDF: 9886936.0/54

diff_bpm0l09X_mean vs Slug



Right In: 6.148+/-1.551 χ^2/NDF: 230.3/26

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 8.936+/-1.491 χ^2/NDF: 204.2/31

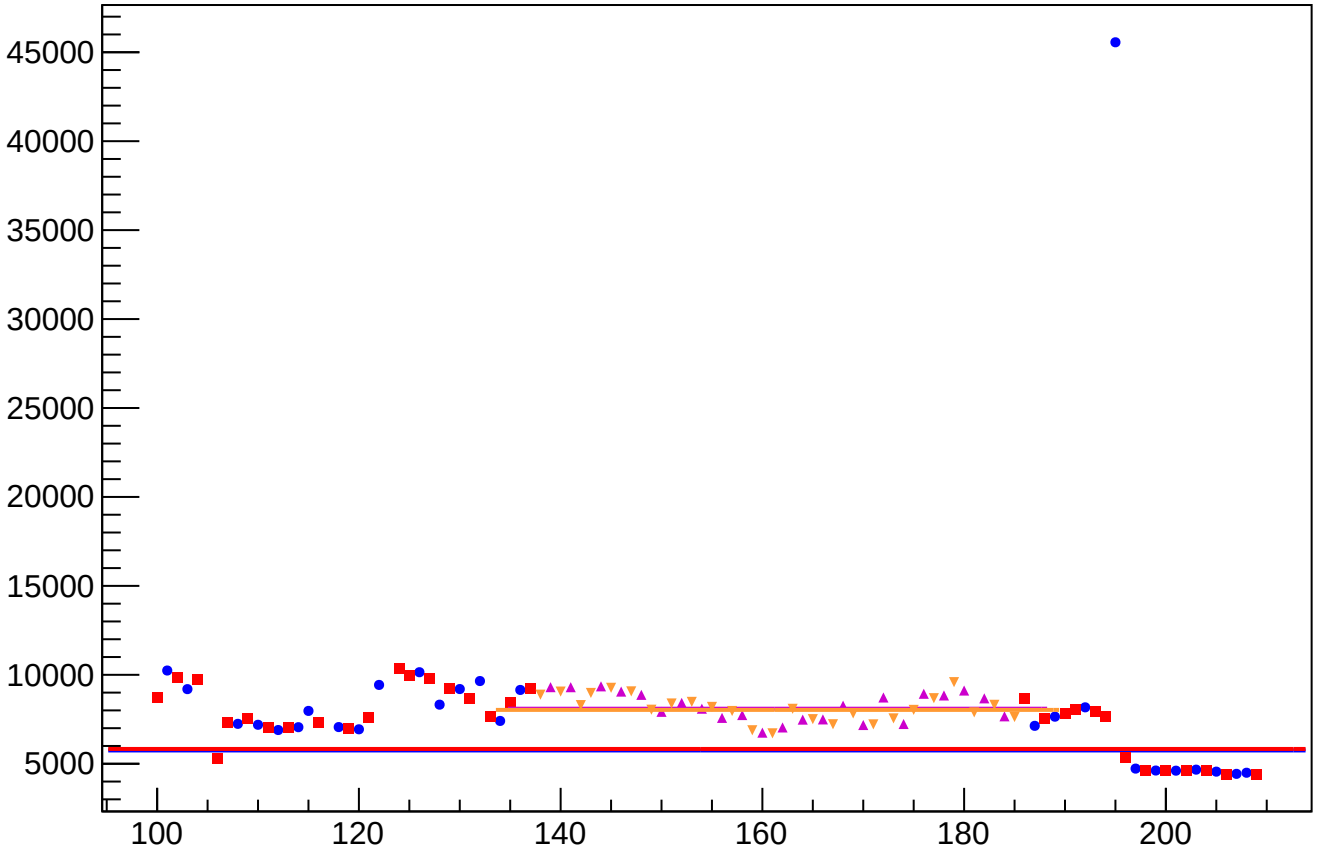
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.180+/-1.186 χ^2/NDF: 299.2/51

All: 4.641+/-0.835 χ^2/NDF: 560.7/106

- sign 9.375+/-1.175 χ^2/NDF: 228.8/54

diff_bpm0l09X_rms vs Slug



Right In: 5748.280+/-1.096 χ^2/NDF: 3906044.2/26

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5832.491+/-1.054 χ^2/NDF: 2721033.4/31

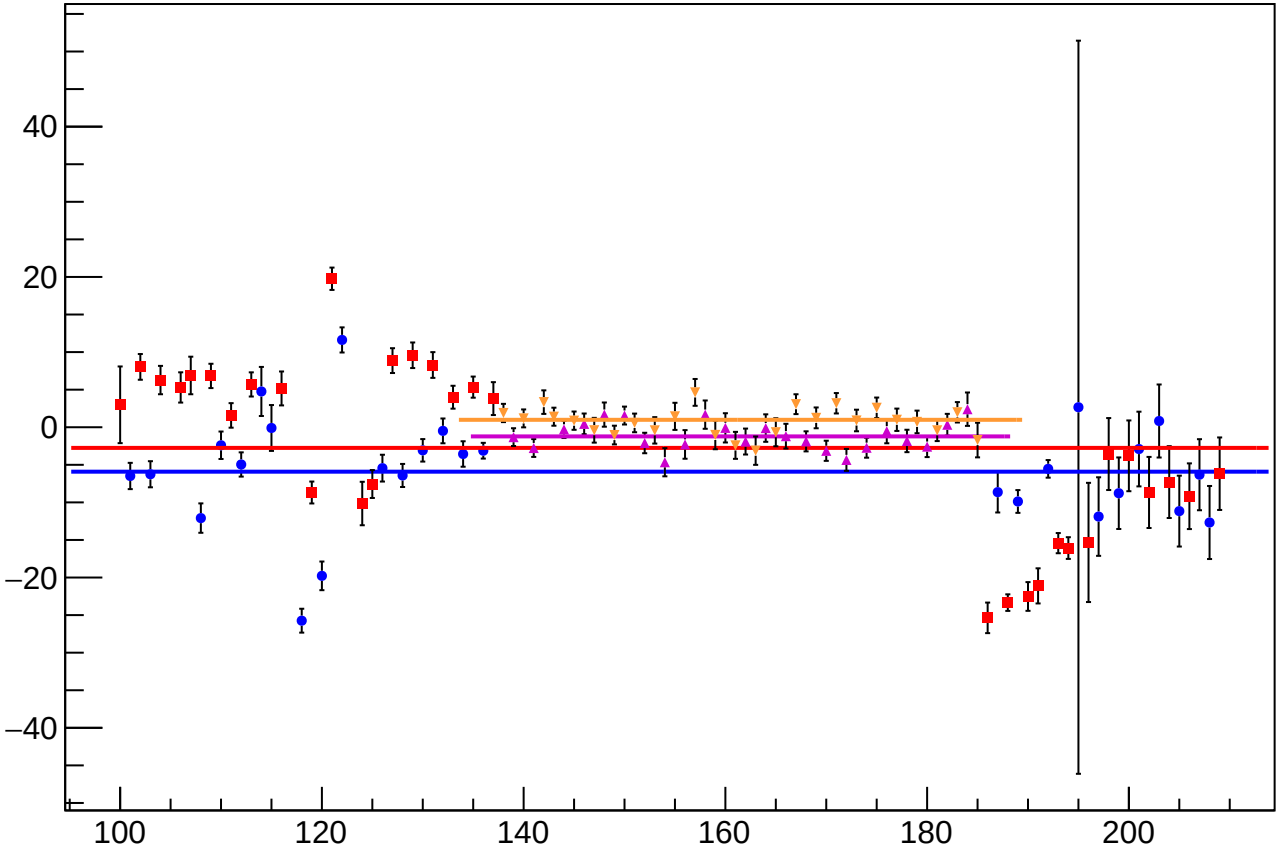
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6693.462+/-0.839 χ^2/NDF: 6031072.9/51

All: 6690.915+/-0.590 χ^2/NDF: 10862691.8/1

- sign 6688.415+/-0.831 χ^2/NDF: 4831600.6/54

diff_bpm0l09Y_mean vs Slug



Right In: -5.914+/-0.372 χ^2/NDF: 385.9/26

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

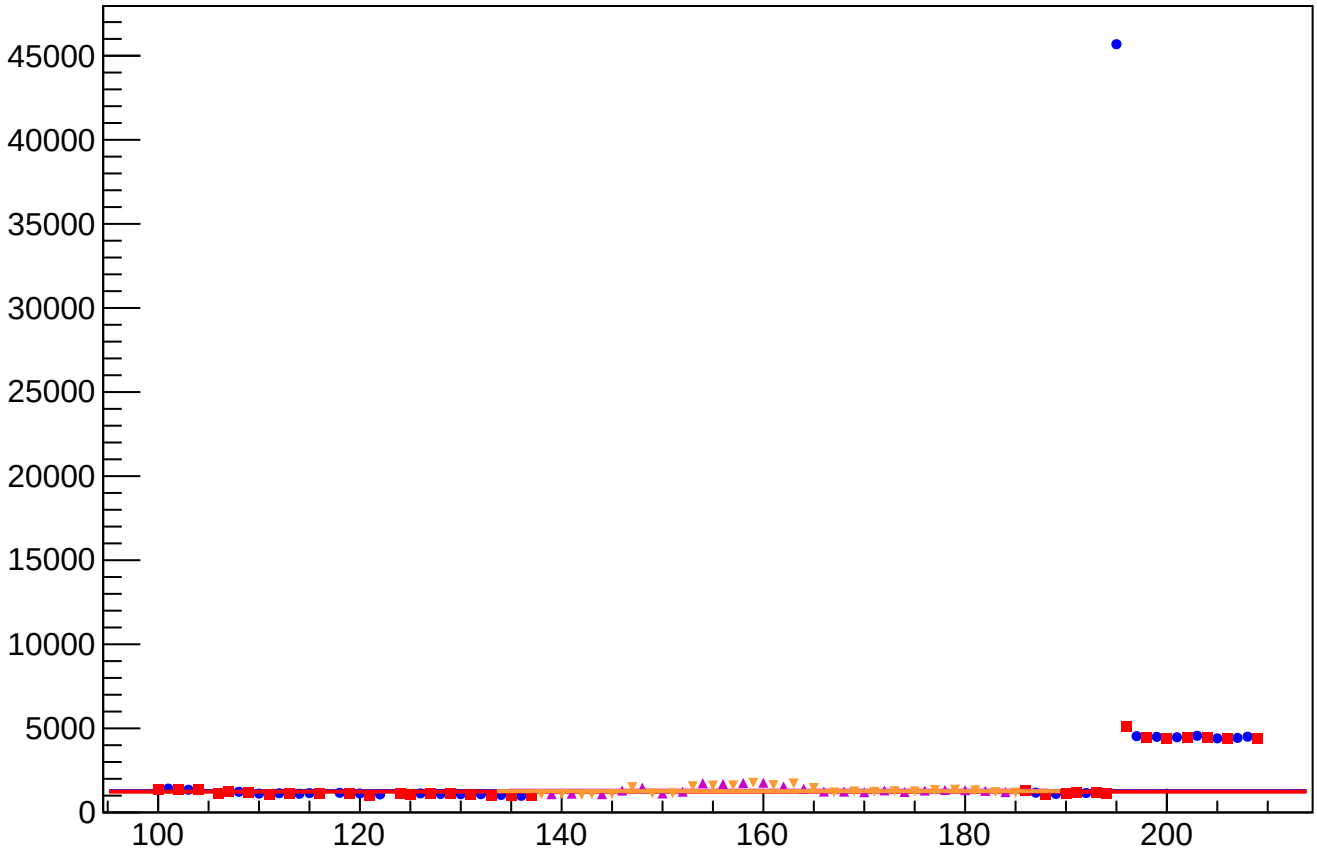
Right Out: -2.749+/-0.337 χ^2/NDF: 1464.0/31

Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.650+/-0.230 χ^2/NDF: 629.9/51

All: -1.782+/-0.161 χ^2/NDF: 2139.0/106

- sign -1.911+/-0.227 χ^2/NDF: 1508.4/54



Right In: 1269.141+/-0.263 χ^2/NDF: 8186194.6/26

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1237.166+/-0.239 χ^2/NDF: 6402381.8/31

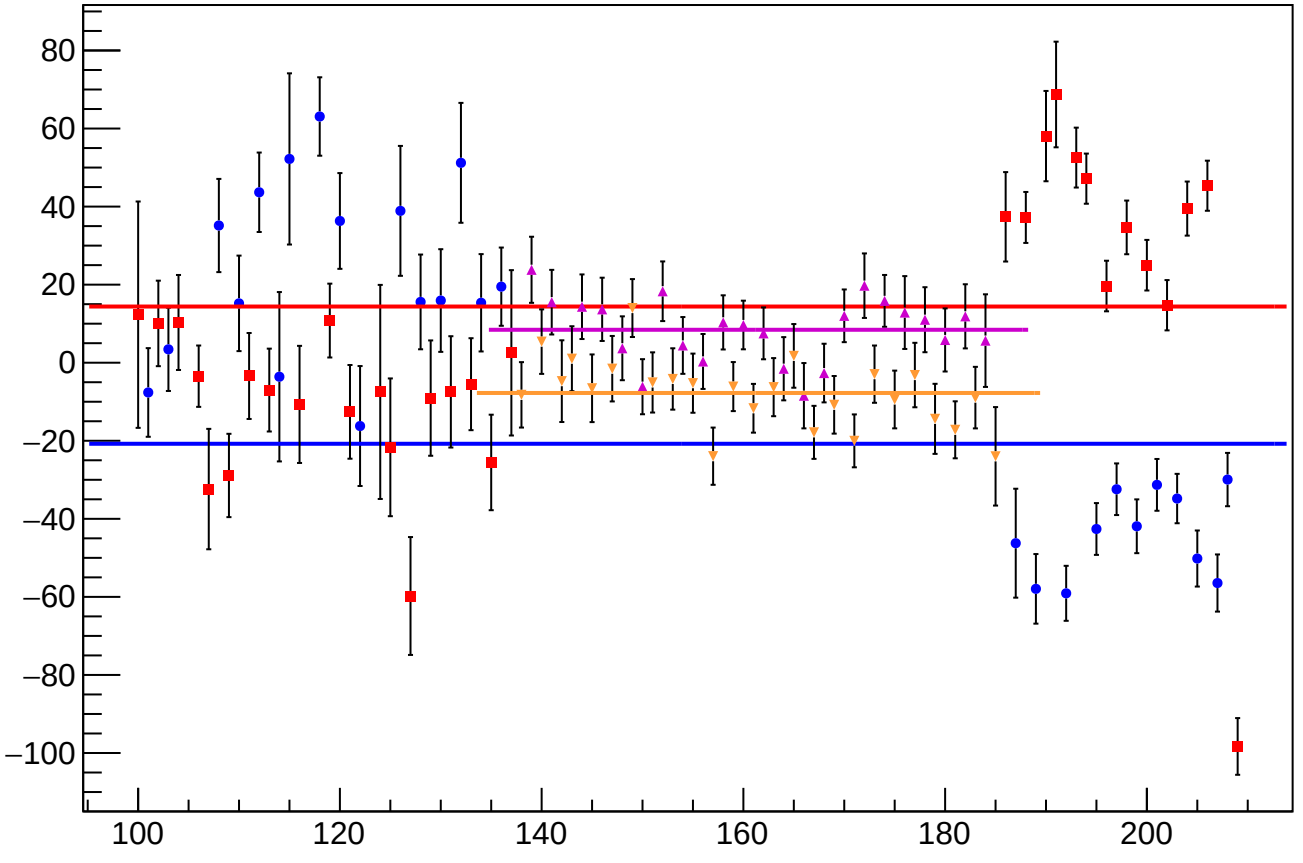
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1268.069+/-0.162 χ^2/NDF: 9064653.4/51

All: 1268.208+/-0.114 χ^2/NDF: 16256393.6/1

- sign 1268.343+/-0.160 χ^2/NDF: 7191738.8/54

diff_bpm0l10X_mean vs Slug



Right In: -20.769+/-1.787 χ^2/NDF: 379.7/26

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 14.394+/-1.663 χ^2/NDF: 479.8/31

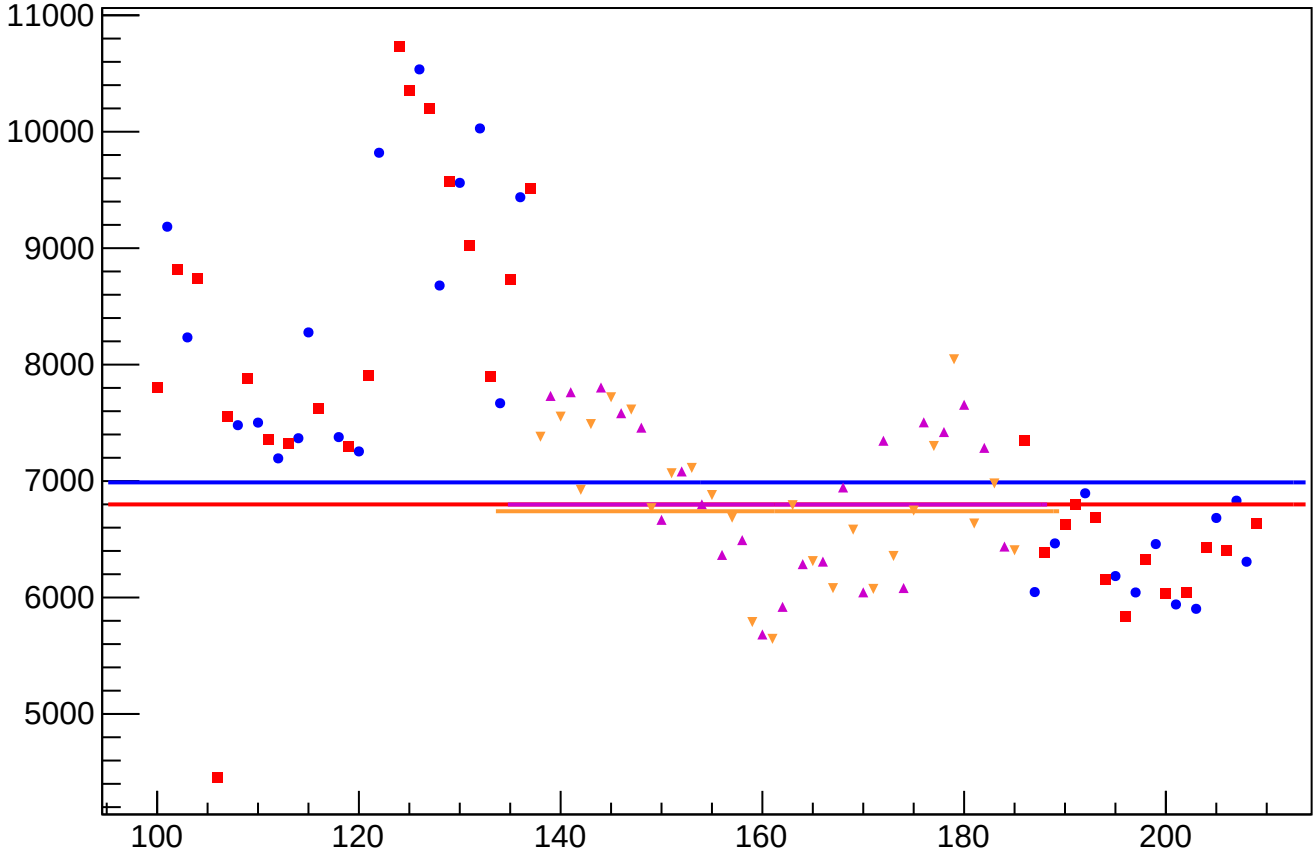
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -13.328+/-1.169 χ^2/NDF: 440.5/51

All: -0.853+/-0.822 χ^2/NDF: 1176.5/106

- sign 11.310+/-1.155 χ^2/NDF: 511.2/54

diff_bpm0l10X_rms vs Slug



Right In: 6988.660+/-1.263 χ^2/NDF: 830409.7/26

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6799.556+/-1.176 χ^2/NDF: 962284.5/31

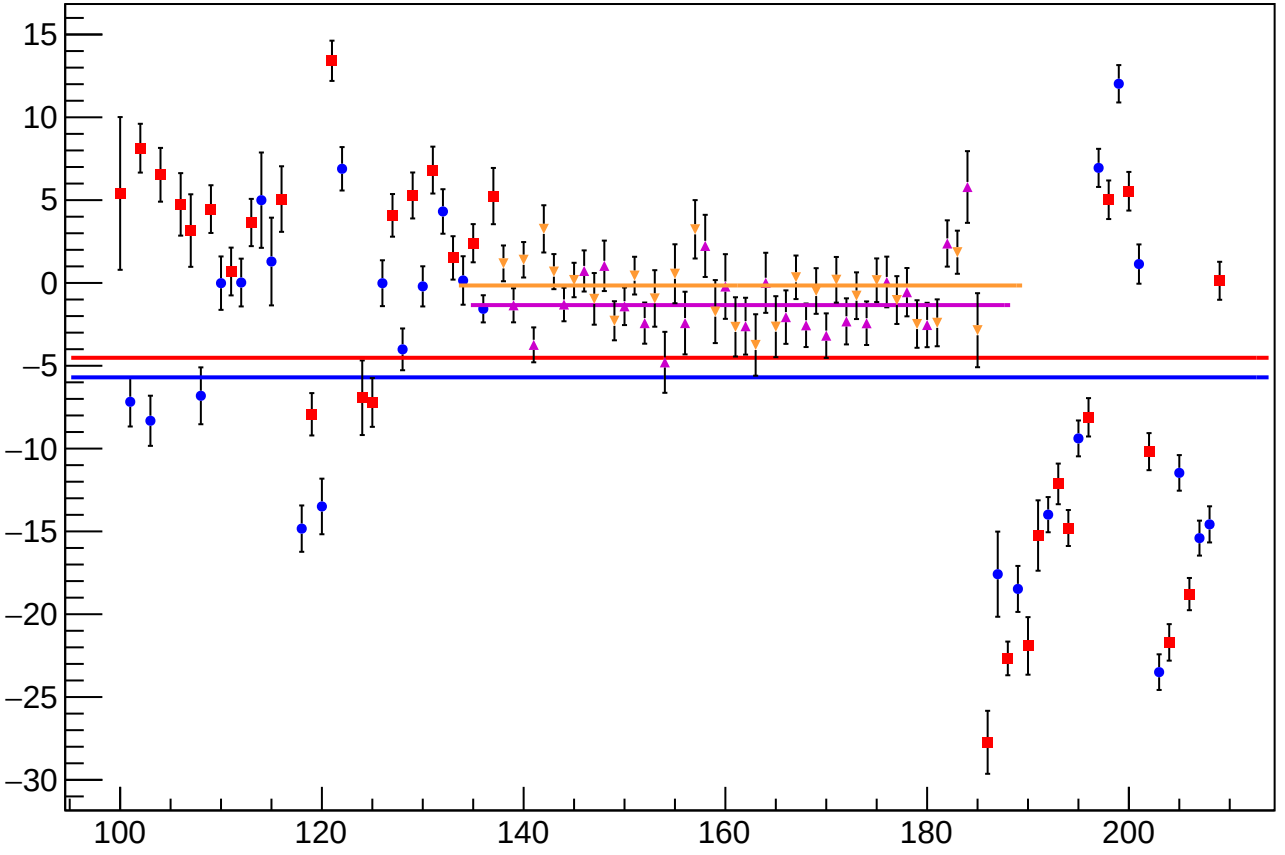
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6846.996+/-0.827 χ^2/NDF: 1169115.0/51

All: 6822.704+/-0.581 χ^2/NDF: 2486382.2/10

- sign 6799.021+/-0.816 χ^2/NDF: 1315562.6/54

diff_bpm0l10Y_mean vs Slug



Right In: -5.699+/-0.248 χ^2/NDF: 1378.5/26

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -4.518+/-0.240 χ^2/NDF: 2120.0/31

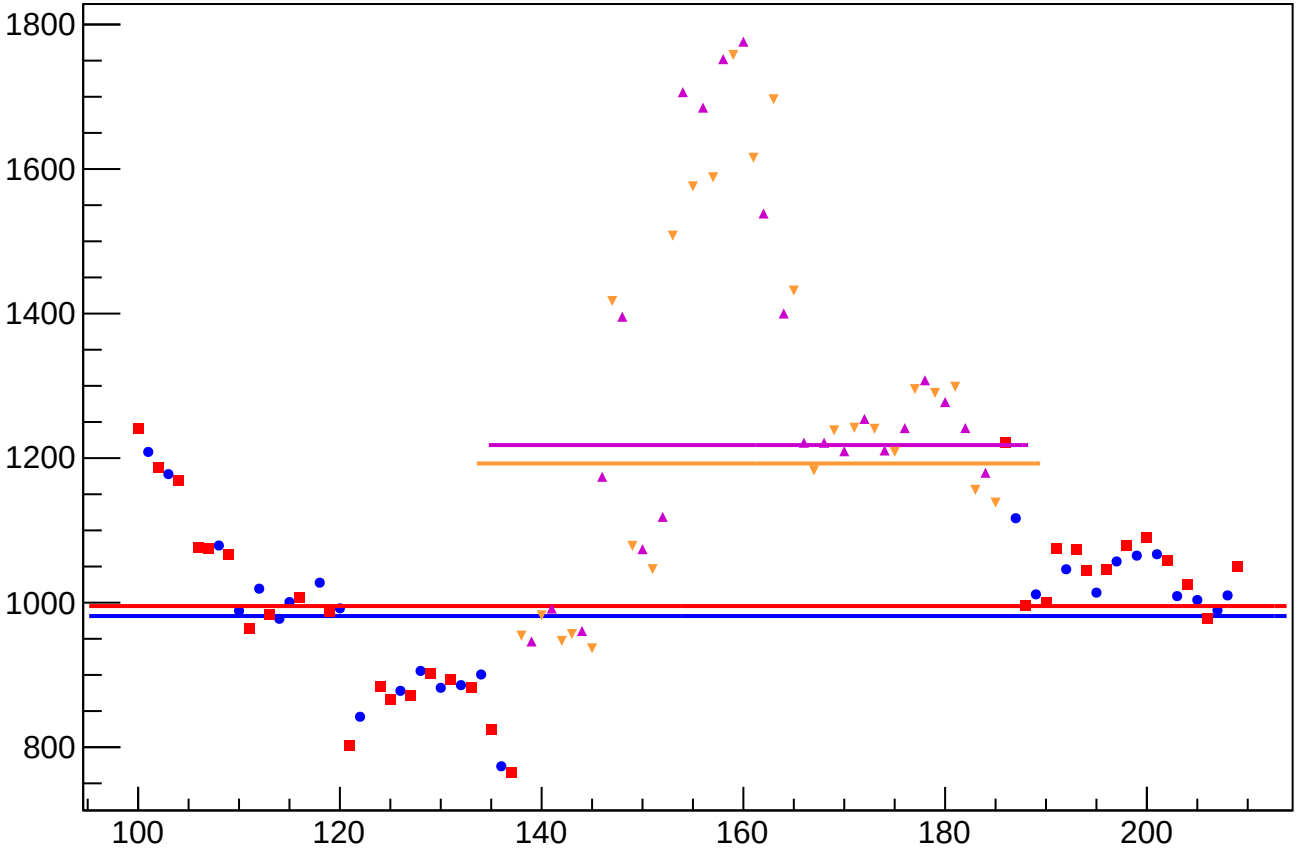
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -3.229+/-0.185 χ^2/NDF: 1637.4/51

All: -3.226+/-0.131 χ^2/NDF: 3872.7/106

- sign -3.223+/-0.185 χ^2/NDF: 2235.3/54

diff_bpm0l10Y_rms vs Slug



Right In: 981.488+/-0.175 χ^2/NDF: 338940.9/26

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 995.297+/-0.170 χ^2/NDF: 363470.9/31

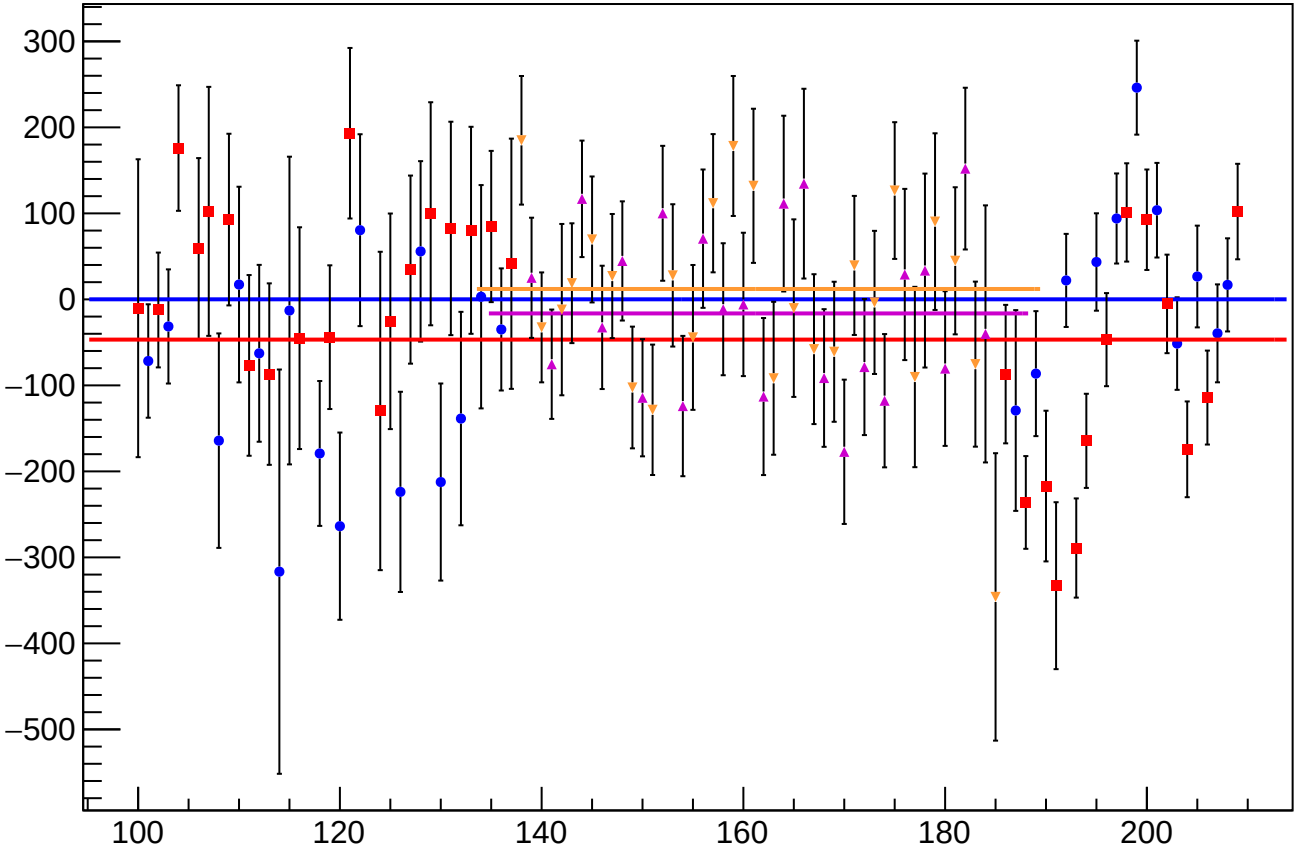
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1075.478+/-0.131 χ^2/NDF: 2304819.1/51

All: 1080.714+/-0.092 χ^2/NDF: 4498360.5/10

- sign 1085.978+/-0.131 χ^2/NDF: 2190316.0/54

diff_bpm0r03X_mean vs Slug



Right In: 0.068+/-14.376 χ^2/NDF: 57.3/26

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

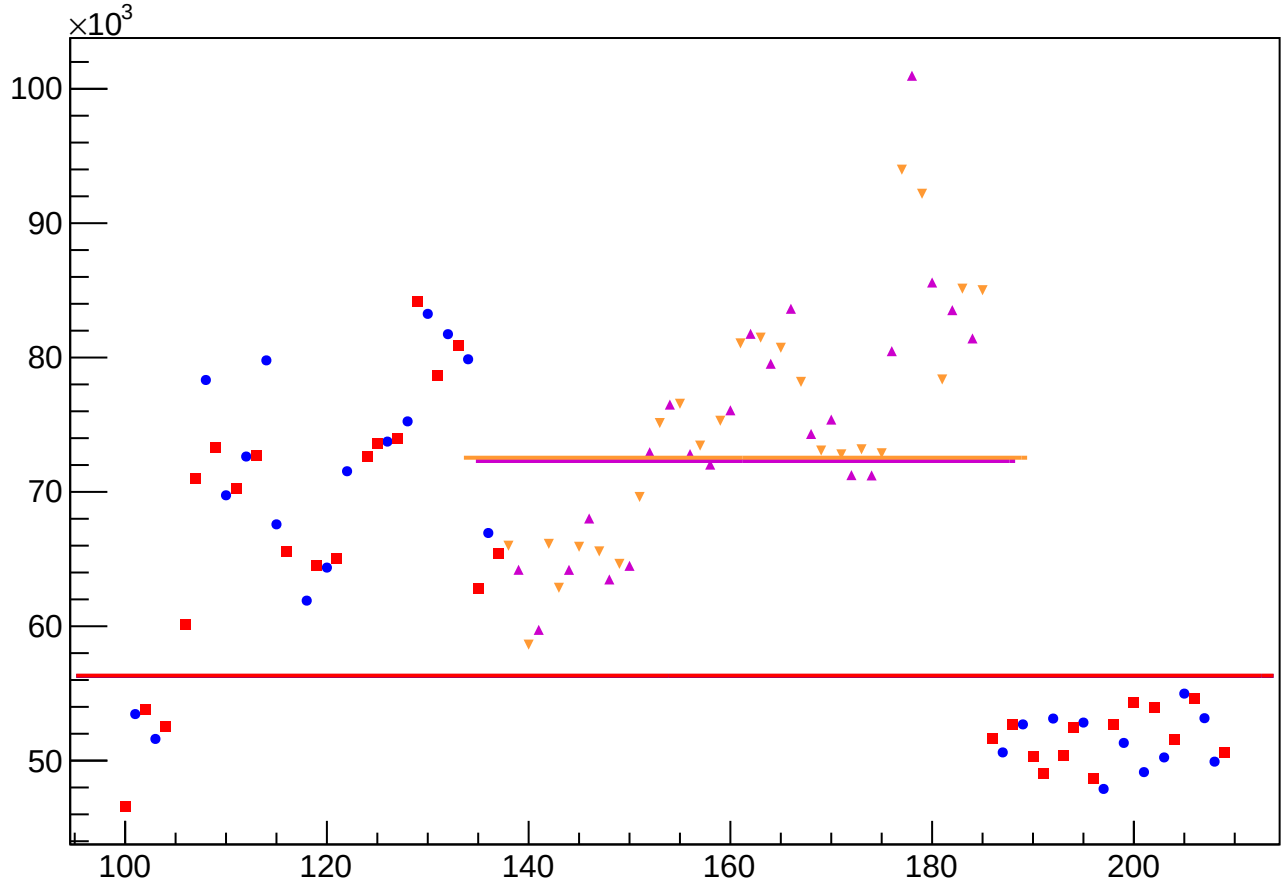
Right Out: -46.776+/-13.721 χ^2/NDF: 100.8/31

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

\+ sign 5.214+/-10.870 χ^2/NDF: 90.4/51

All: -15.135+/-7.618 χ^2/NDF: 228.8/106

\- sign -34.785+/-10.681 χ^2/NDF: 131.4/54



Right In: 56300.910+/-10.165 χ^2/NDF: 841613.3/26

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56322.667+/-9.702 χ^2/NDF: 747756.6/31

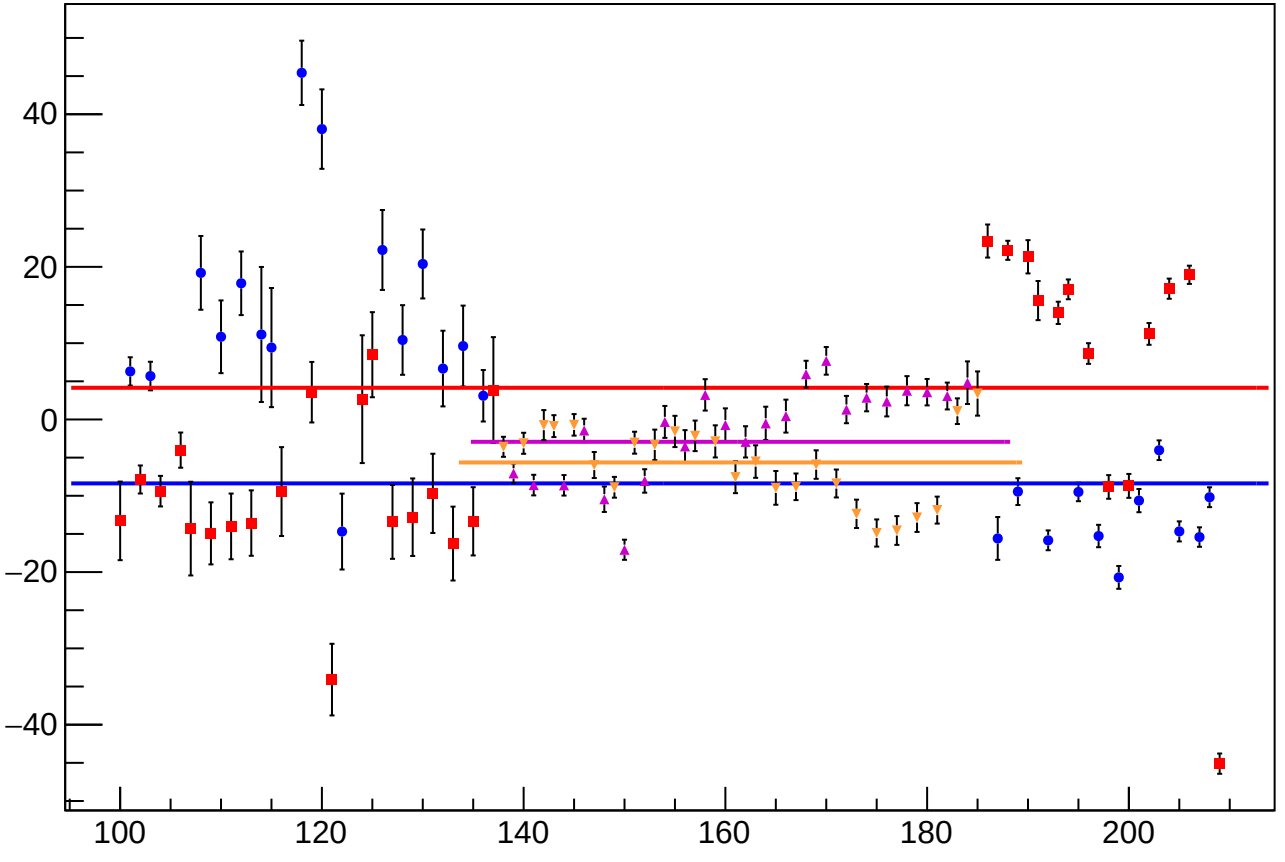
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 63258.645+/-7.686 χ^2/NDF: 2435360.1/51

All: 62932.322+/-5.387 χ^2/NDF: 4743935.7/1

- sign 62617.204+/-7.553 χ^2/NDF: 2305032.3/54

diff_bpm0r03Y_mean vs Slug



Right In: -8.378+/-0.388 χ^2/NDF: 784.7/26

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 4.153+/-0.368 χ^2/NDF: 2626.3/31

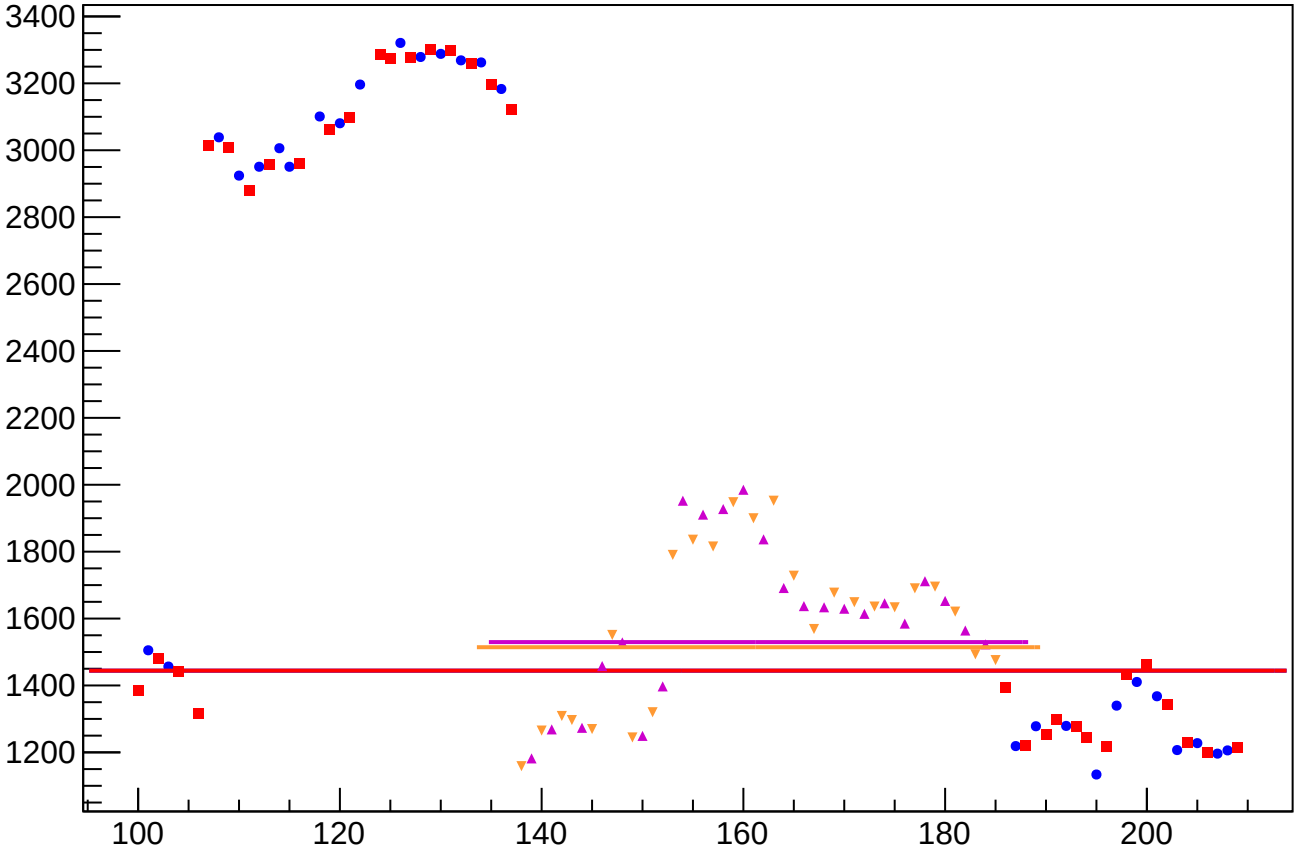
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.861+/-0.260 χ^2/NDF: 990.5/51

All: -3.137+/-0.183 χ^2/NDF: 4551.7/106

- sign 0.552+/-0.258 χ^2/NDF: 3151.5/54

diff_bpm0r03Y_rms vs Slug



Right In: 1444.177+/-0.275 χ^2/NDF: 3990953.0/26

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1444.309+/-0.261 χ^2/NDF: 3871613.5/31

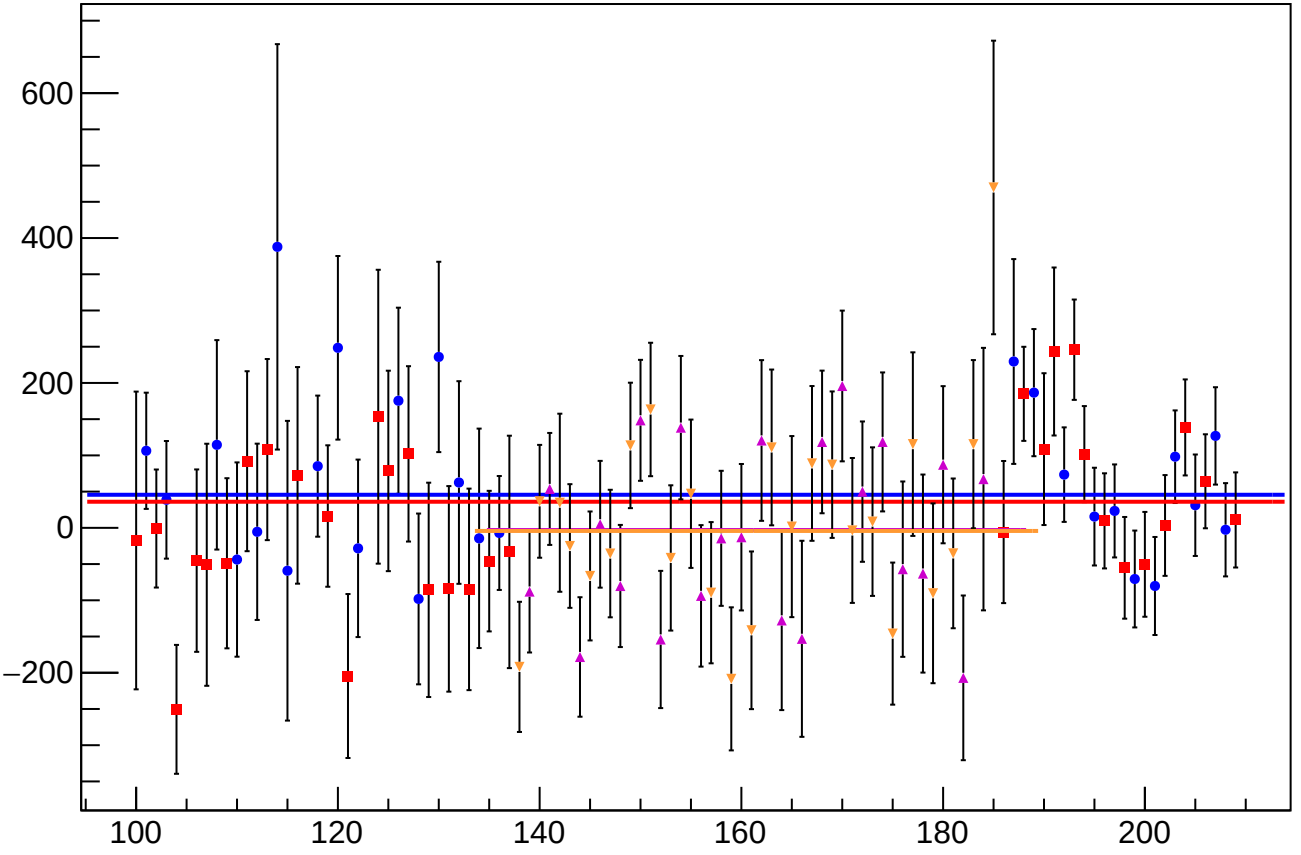
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1482.988+/-0.184 χ^2/NDF: 4960388.1/51

All: 1485.355+/-0.129 χ^2/NDF: 9715343.2/10

- sign 1487.698+/-0.183 χ^2/NDF: 4754624.3/54

diff_bpm0r05X_mean vs Slug



Right In: 45.661+/-17.082 χ^2/NDF: 25.5/26

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

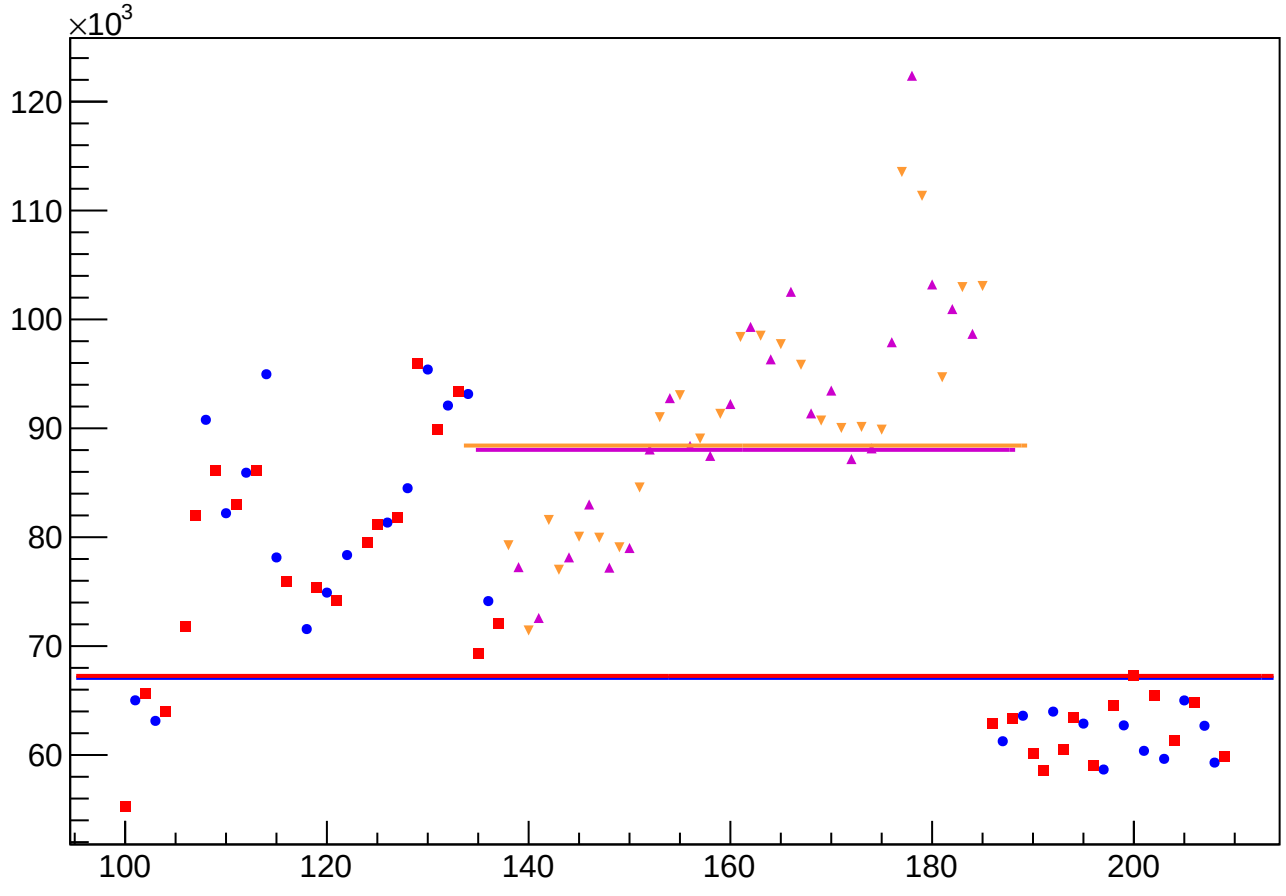
Right Out: 36.040+/-16.354 χ^2/NDF: 46.3/31

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 24.889+/-13.054 χ^2/NDF: 59.5/51

All: 22.937+/-9.153 χ^2/NDF: 138.8/106

- sign 21.048+/-12.837 χ^2/NDF: 79.2/54



Right In: 67082.338+/-12.079 χ^2/NDF: 636148.8/26

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67264.464+/-11.564 χ^2/NDF: 579454.4/31

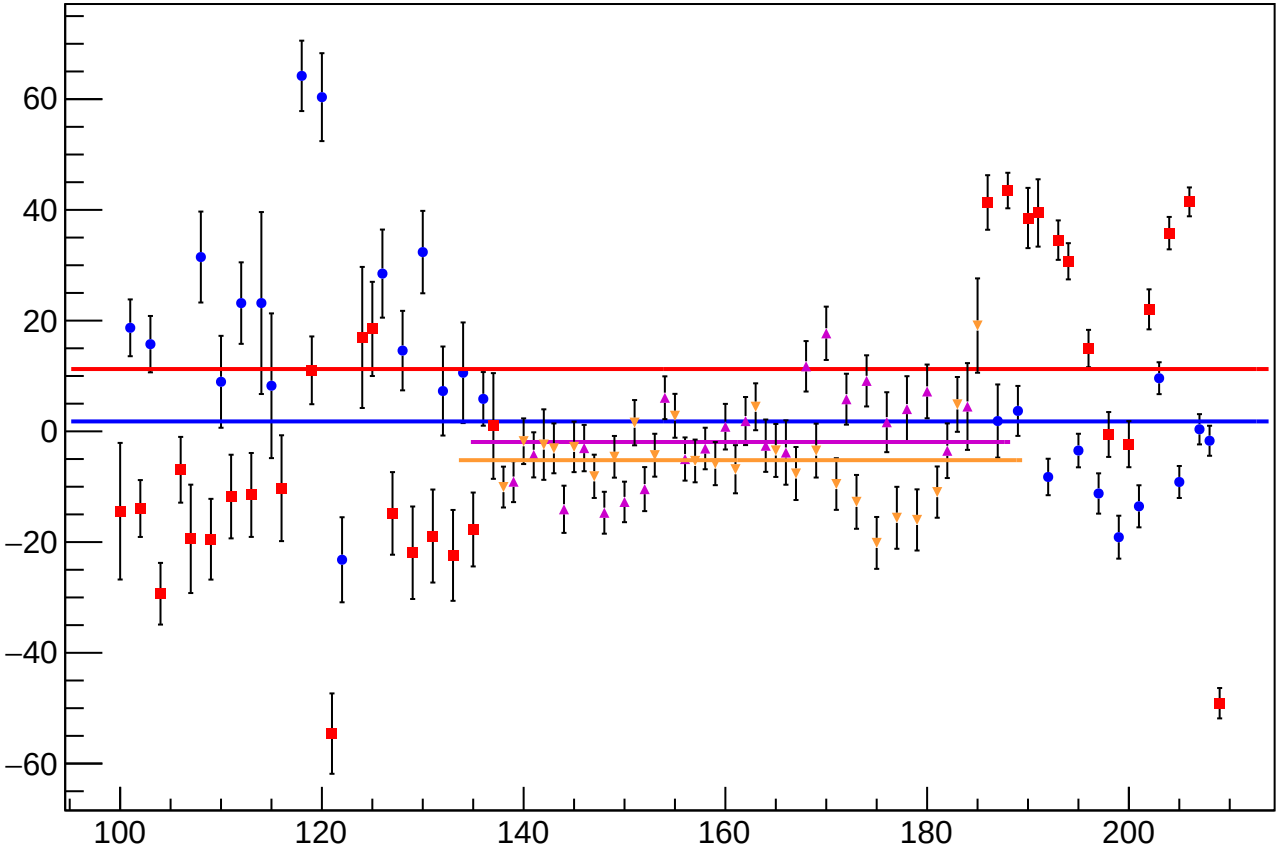
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 75957.541+/-9.231 χ^2/NDF: 2416019.7/51

All: 75589.008+/-6.472 χ^2/NDF: 4720427.0/1

- sign 75232.636+/-9.077 χ^2/NDF: 2301271.8/54

diff_bpm0r05Y_mean vs Slug



Right In: 1.793+/-0.874 χ^2/NDF: 331.6/26

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 11.255+/-0.848 χ^2/NDF: 1283.7/31

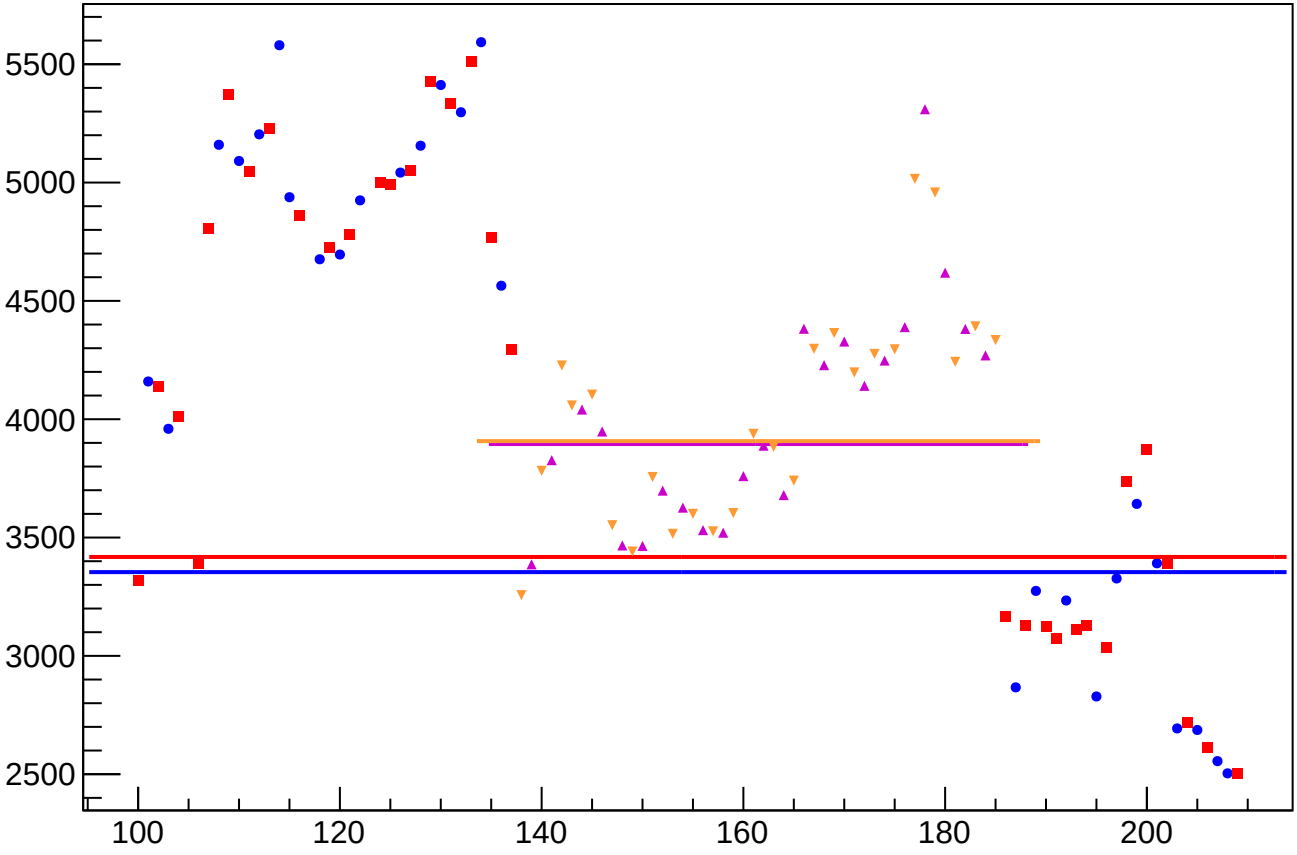
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.627+/-0.625 χ^2/NDF: 413.9/51

All: 1.789+/-0.441 χ^2/NDF: 1951.9/106

- sign 5.177+/-0.622 χ^2/NDF: 1478.4/54

diff_bpm0r05Y_rms vs Slug



Right In: 3353.938+/-0.618 χ^2/NDF: 2078528.2/26

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3417.935+/-0.599 χ^2/NDF: 1956557.7/31

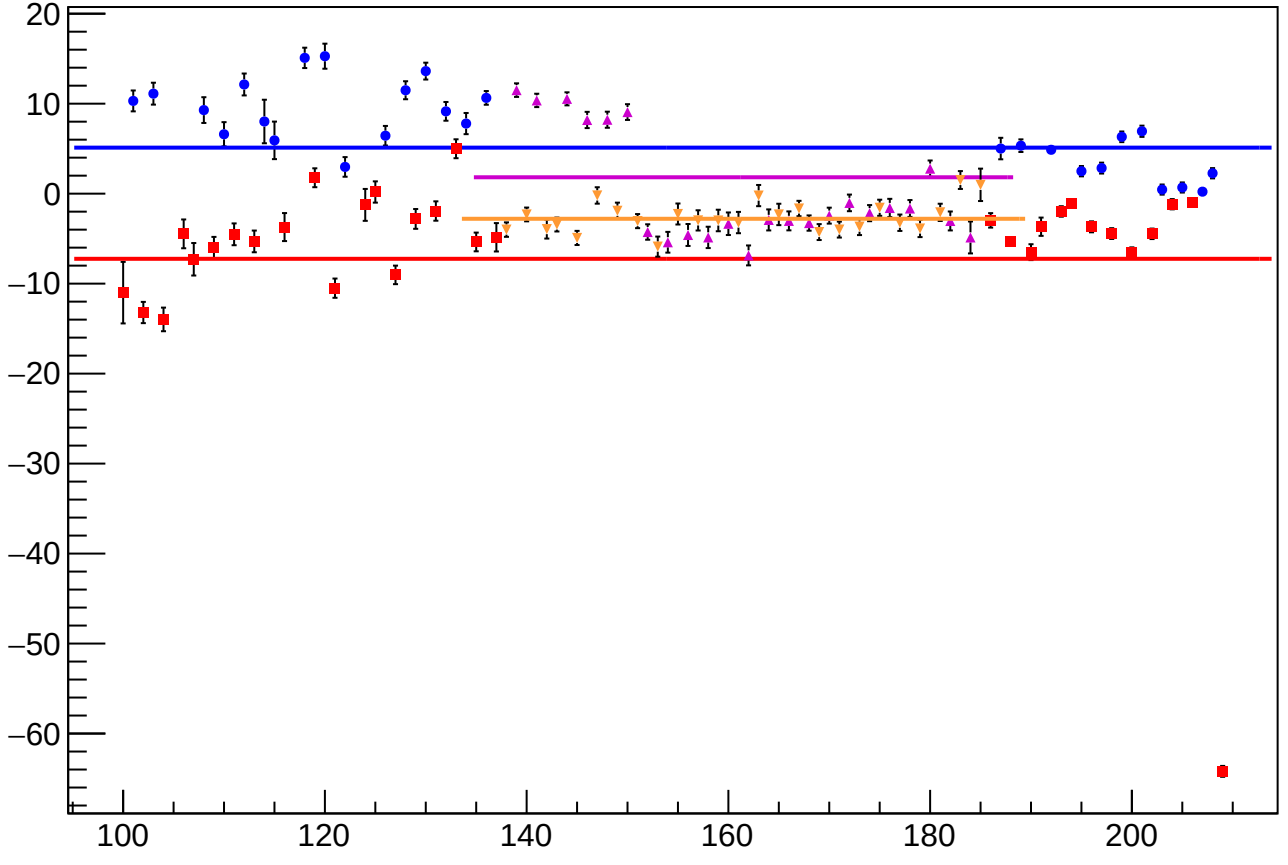
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3624.440+/-0.442 χ^2/NDF: 2911897.5/51

All: 3631.249+/-0.312 χ^2/NDF: 5571099.5/10

- sign 3638.003+/-0.440 χ^2/NDF: 2658728.9/54

diff_bpm2i01X_mean vs Slug



Right In: 5.114+/-0.154 χ^2/NDF: 701.8/26

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -7.241+/-0.146 χ^2/NDF: 9855.0/31

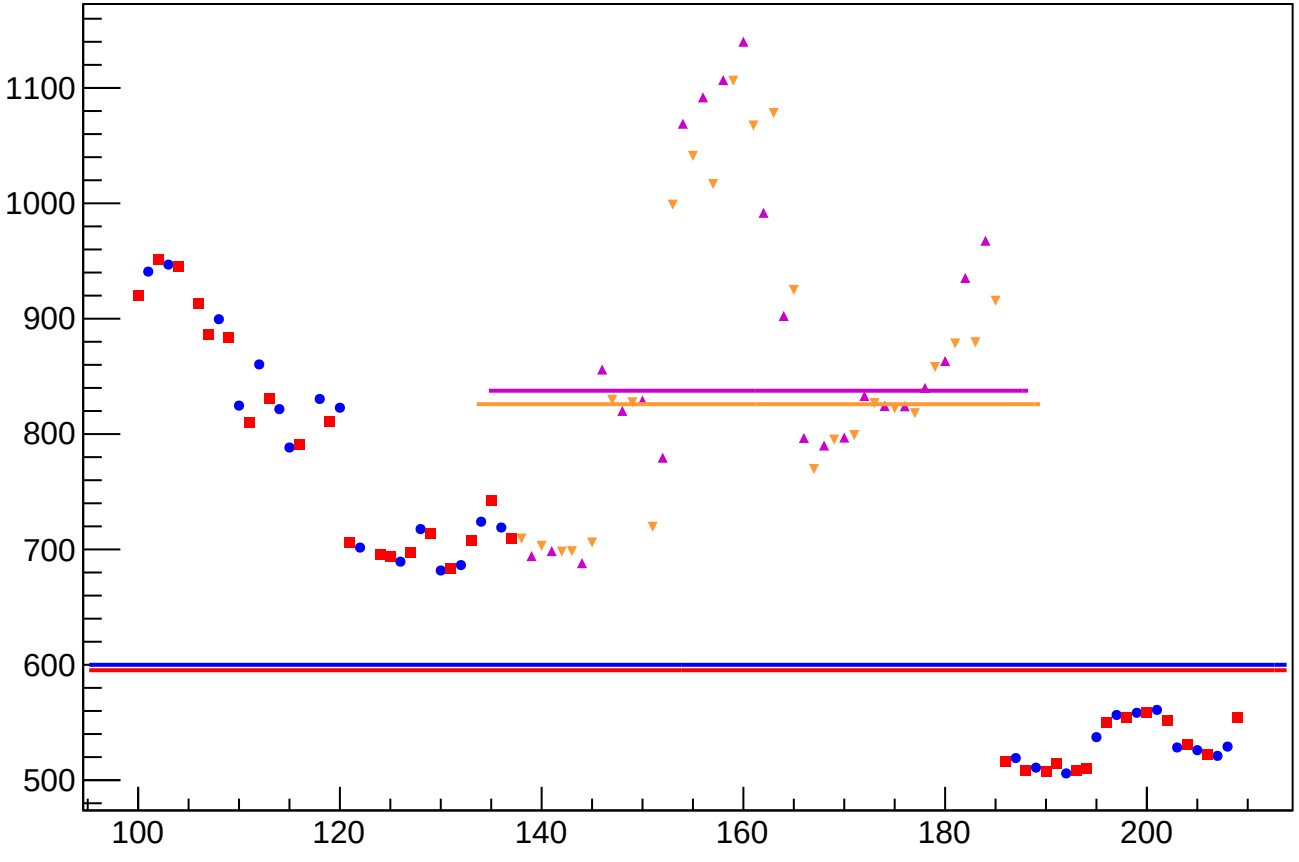
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.989+/-0.119 χ^2/NDF: 1816.7/51

All: -1.086+/-0.084 χ^2/NDF: 15356.5/106

- sign -4.058+/-0.117 χ^2/NDF: 12237.2/54

diff_bpm2i01X_rms vs Slug



Right In: 600.014+/-0.109 χ^2/NDF: 1194596.4/26

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 595.294+/-0.103 χ^2/NDF: 1334477.0/31

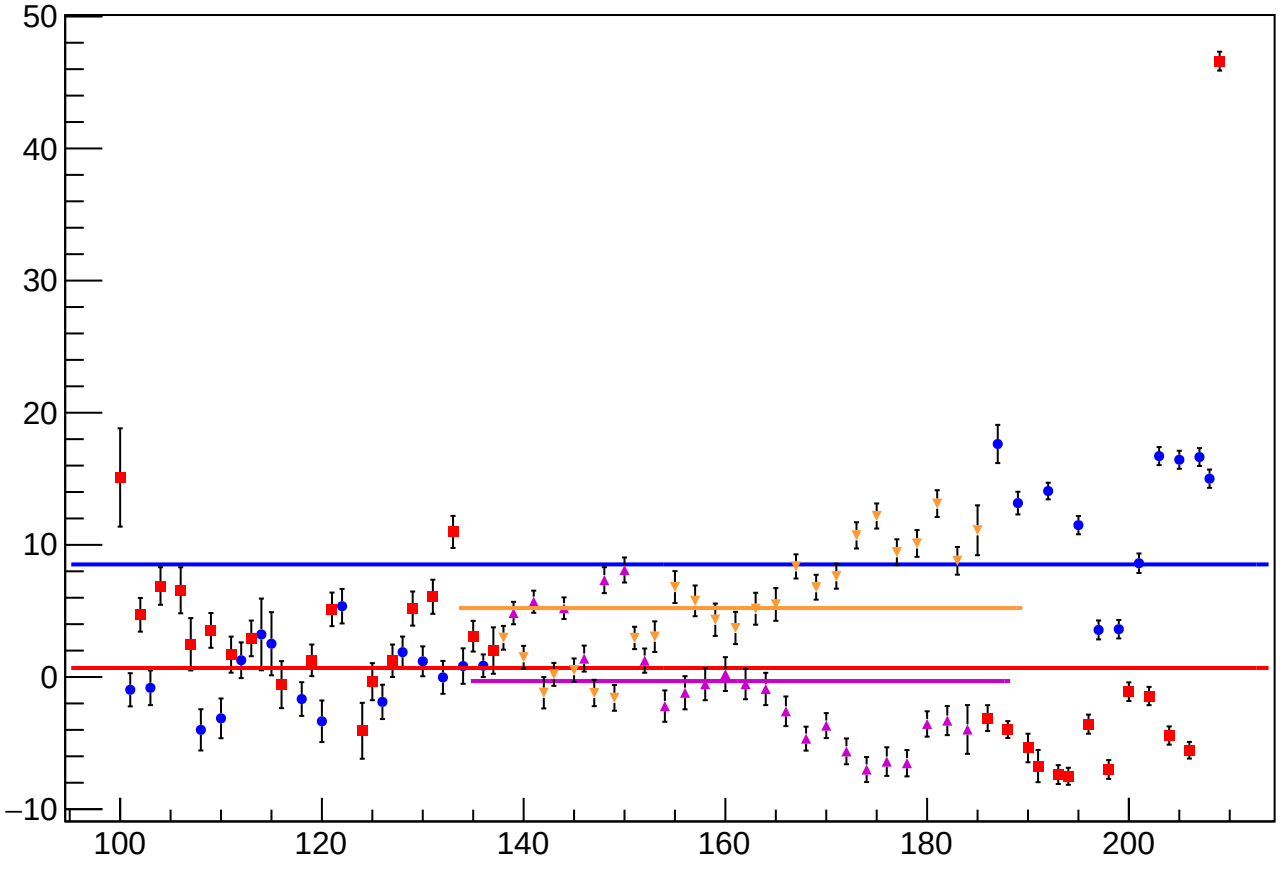
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 689.284+/-0.084 χ^2/NDF: 3667709.4/51

All: 684.769+/-0.059 χ^2/NDF: 7661162.0/106

- sign 680.406+/-0.083 χ^2/NDF: 3987838.8/54

diff_bpm2i01Y_mean vs Slug



Right In: 8.521+/-0.182 χ^2/NDF: 1469.4/26

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 0.684+/-0.173 χ^2/NDF: 5060.0/31

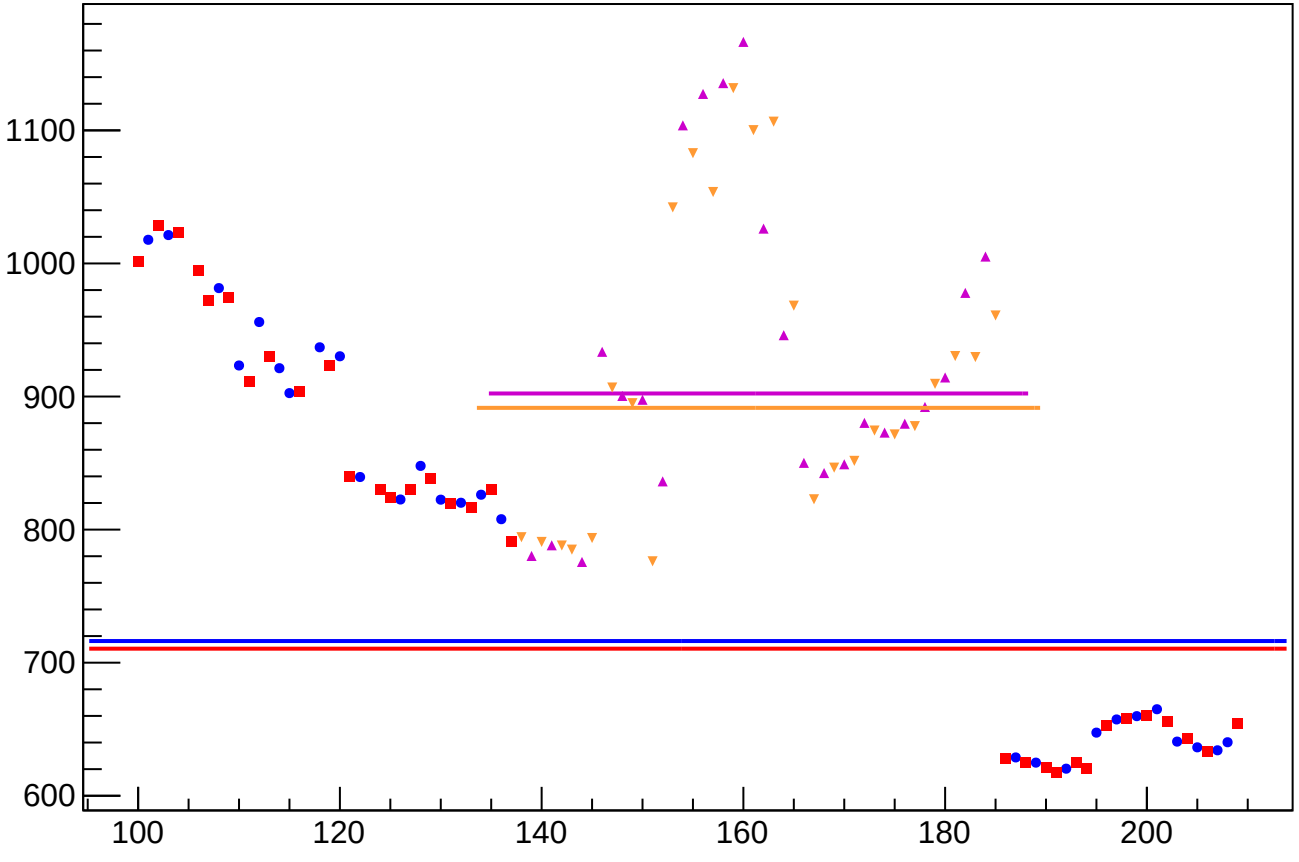
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 7.057+/-0.136 χ^2/NDF: 2064.6/51

All: 3.627+/-0.096 χ^2/NDF: 8885.4/106

\- sign 0.290+/-0.134 χ^2/NDF: 5568.2/54

diff_bpm2i01Y_rms vs Slug



Right In: 716.266+/-0.129 χ^2/NDF: 864262.6/26

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 710.532+/-0.122 χ^2/NDF: 970481.4/31

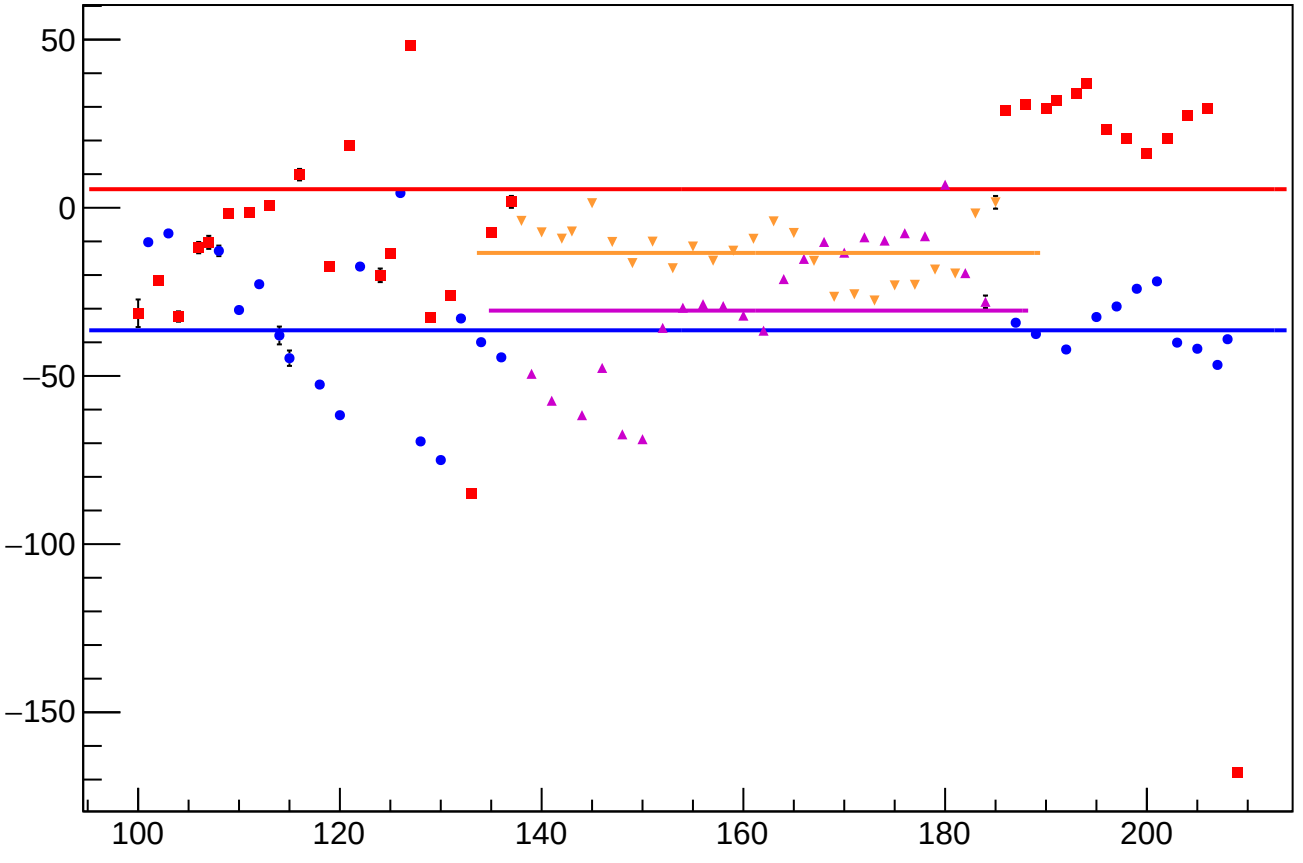
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 793.986+/-0.096 χ^2/NDF: 2200189.6/51

All: 790.435+/-0.068 χ^2/NDF: 4636198.5/106

- sign 786.979+/-0.095 χ^2/NDF: 2433322.8/54

diff_bpm2i02X_mean vs Slug



Right In: -36.430+/-0.179 χ^2/NDF: 6467.7/26

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 5.524+/-0.170 χ^2/NDF: 79726.7/31

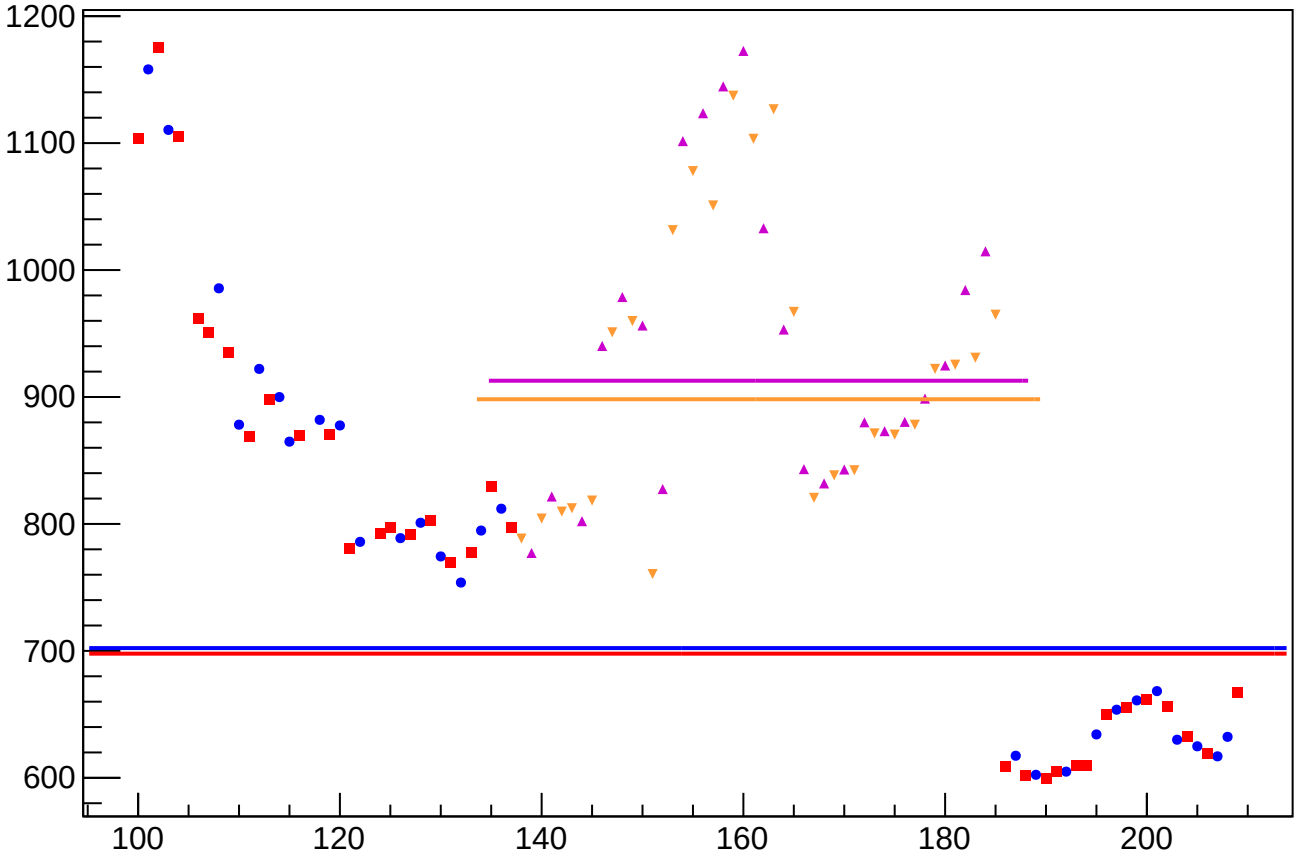
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -26.525+/-0.135 χ^2/NDF: 15239.8/51

All: -17.332+/-0.095 χ^2/NDF: 131808.9/106

- sign -8.364+/-0.133 χ^2/NDF: 107426.2/54

diff_bpm2i02X_rms vs Slug



Right In: 702.204+/-0.127 χ^2/NDF: 936026.9/26

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 697.818+/-0.120 χ^2/NDF: 1029163.0/31

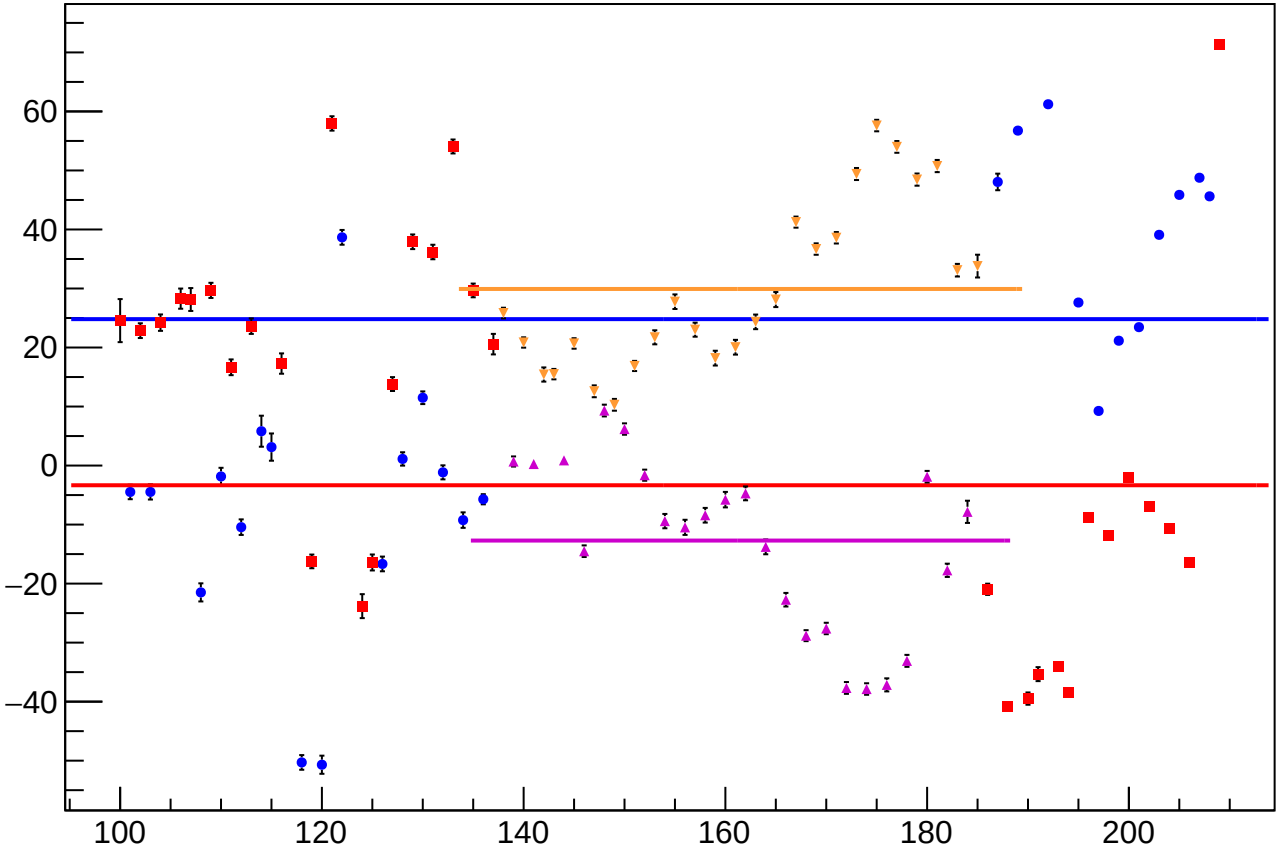
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 786.588+/-0.096 χ^2/NDF: 2486247.1/51

All: 783.527+/-0.067 χ^2/NDF: 5225929.8/106

- sign 780.541+/-0.094 χ^2/NDF: 2737655.5/54

diff_bpm2i02Y_mean vs Slug



Right In: 24.809+/-0.177 χ^2/NDF: 23157.1/26

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -3.337+/-0.168 χ^2/NDF: 34898.7/31

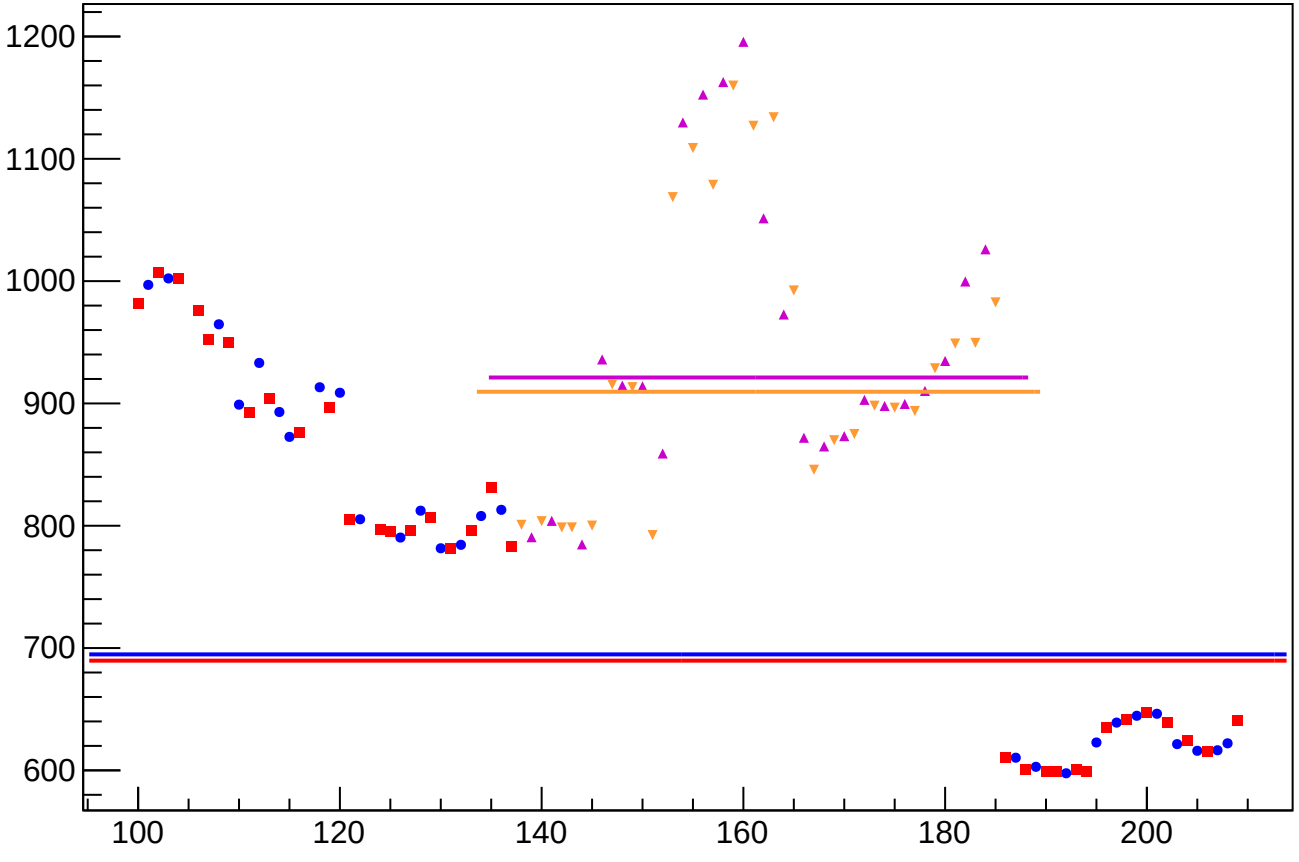
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 26.950+/-0.135 χ^2/NDF: 28086.8/51

All: 9.792+/-0.095 χ^2/NDF: 100777.0/106

- sign -6.849+/-0.133 χ^2/NDF: 40854.5/54

diff_bpm2i02Y_rms vs Slug



Right In: 694.821+/-0.125 χ^2/NDF: 894563.8/26

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 689.711+/-0.119 χ^2/NDF: 994770.1/31

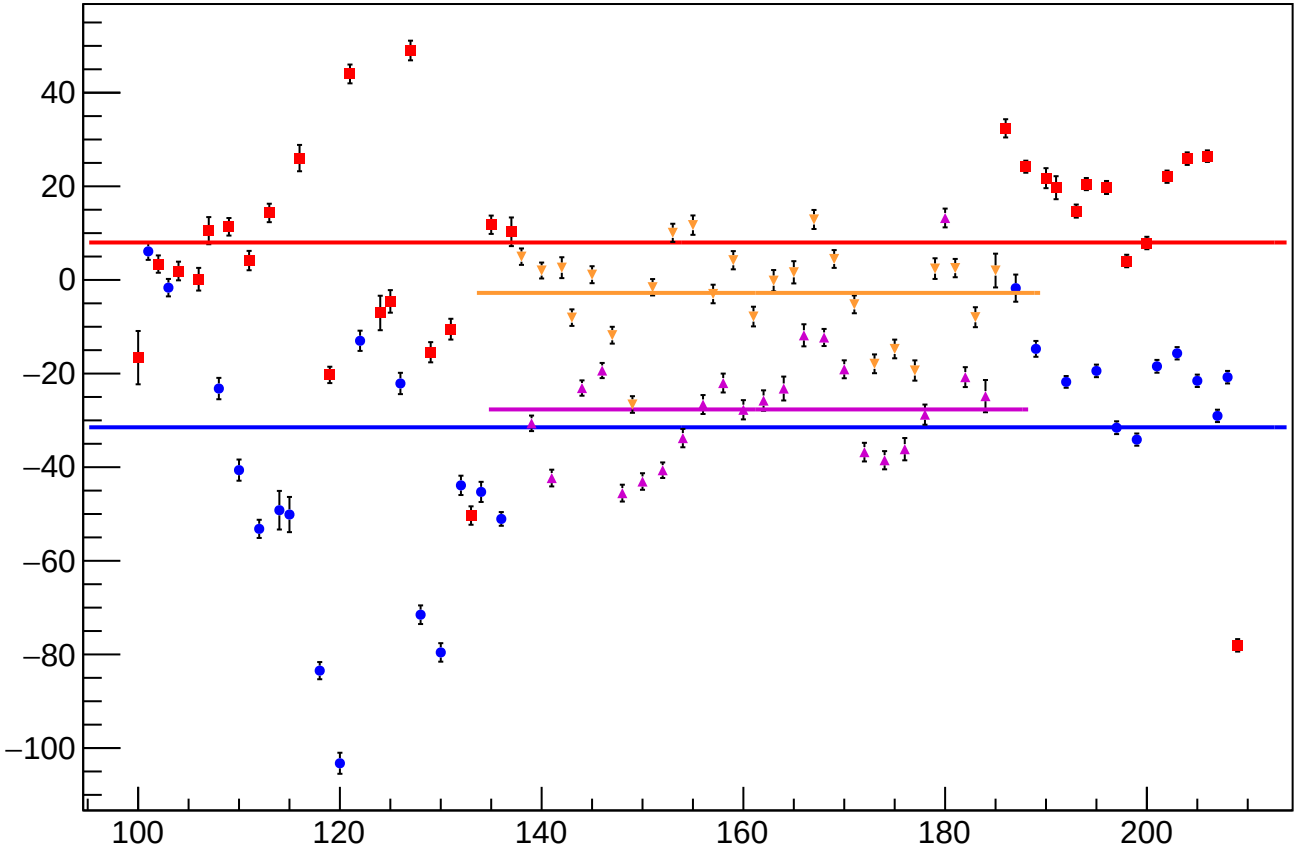
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 784.755+/-0.095 χ^2/NDF: 2668461.7/51

All: 780.543+/-0.067 χ^2/NDF: 5585806.4/106

- sign 776.458+/-0.094 χ^2/NDF: 2913508.1/54

diff_bpm0i02X_mean vs Slug



Right In: -31.476+/-0.328 χ^2/NDF: 4749.6/26

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 8.001+/-0.313 χ^2/NDF: 7437.4/31

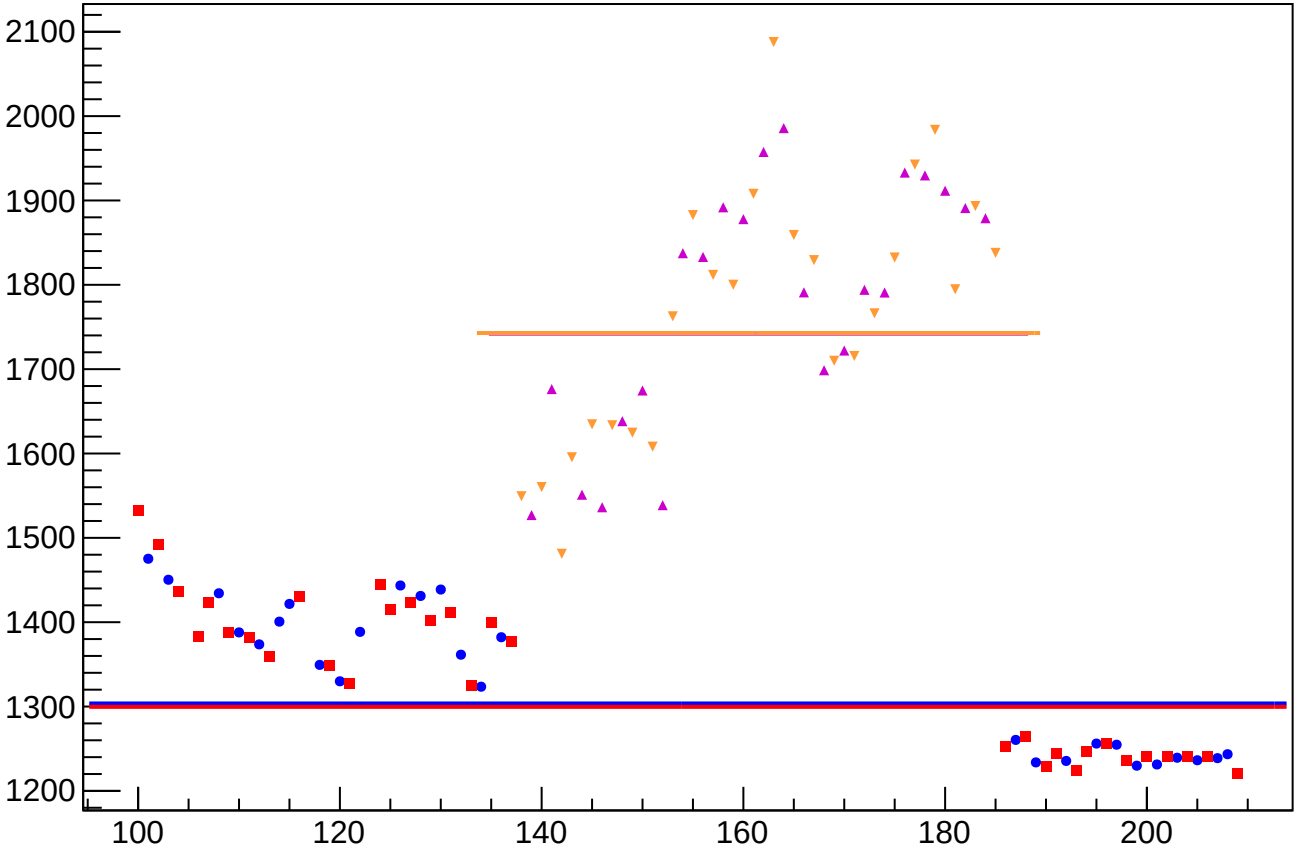
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.842+/-0.253 χ^2/NDF: 8469.3/51

All: -12.373+/-0.177 χ^2/NDF: 23409.9/106

\- sign -5.172+/-0.248 χ^2/NDF: 13228.8/54

diff_bpm0i02X_rms vs Slug



Right In: 1303.640+/-0.232 χ^2/NDF: 127949.9/26

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

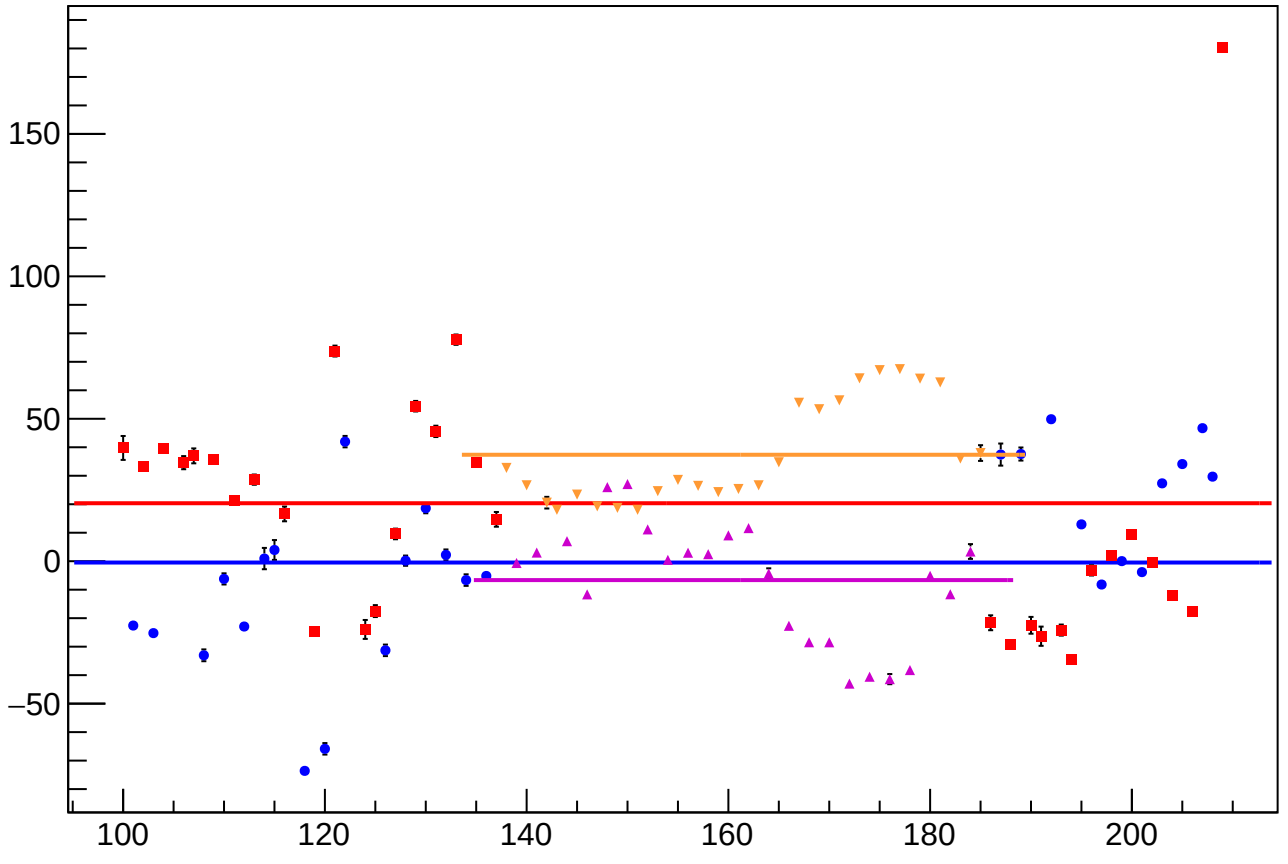
Right Out: 1299.641+/-0.221 χ^2/NDF: 132008.4/31

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1481.631+/-0.179 χ^2/NDF: 1843877.7/51

All: 1472.193+/-0.125 χ^2/NDF: 3721338.8/10

- sign 1463.095+/-0.176 χ^2/NDF: 1871994.9/54



Right In: -0.466+/-0.352 χ^2/NDF: 7624.0/26

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 20.354+/-0.339 χ^2/NDF: 18436.8/31

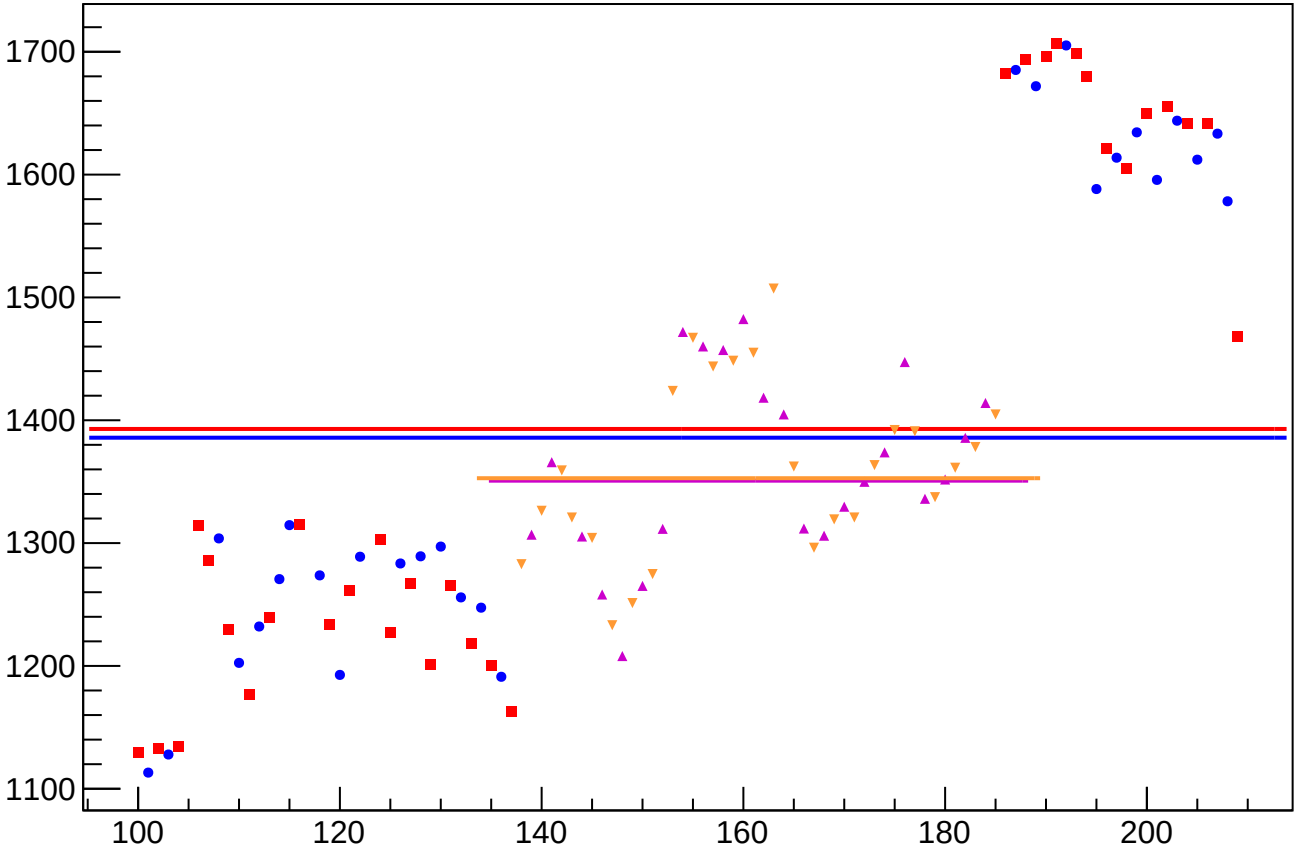
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.970+/-0.232 χ^2/NDF: 17566.0/51

All: 13.429+/-0.164 χ^2/NDF: 45918.1/106

- sign 5.932+/-0.231 χ^2/NDF: 26240.5/54

diff_bpm0i02Y_rms vs Slug



Right In: 1385.810+/-0.249 χ^2/NDF: 680505.2/26

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1392.925+/-0.239 χ^2/NDF: 812057.8/31

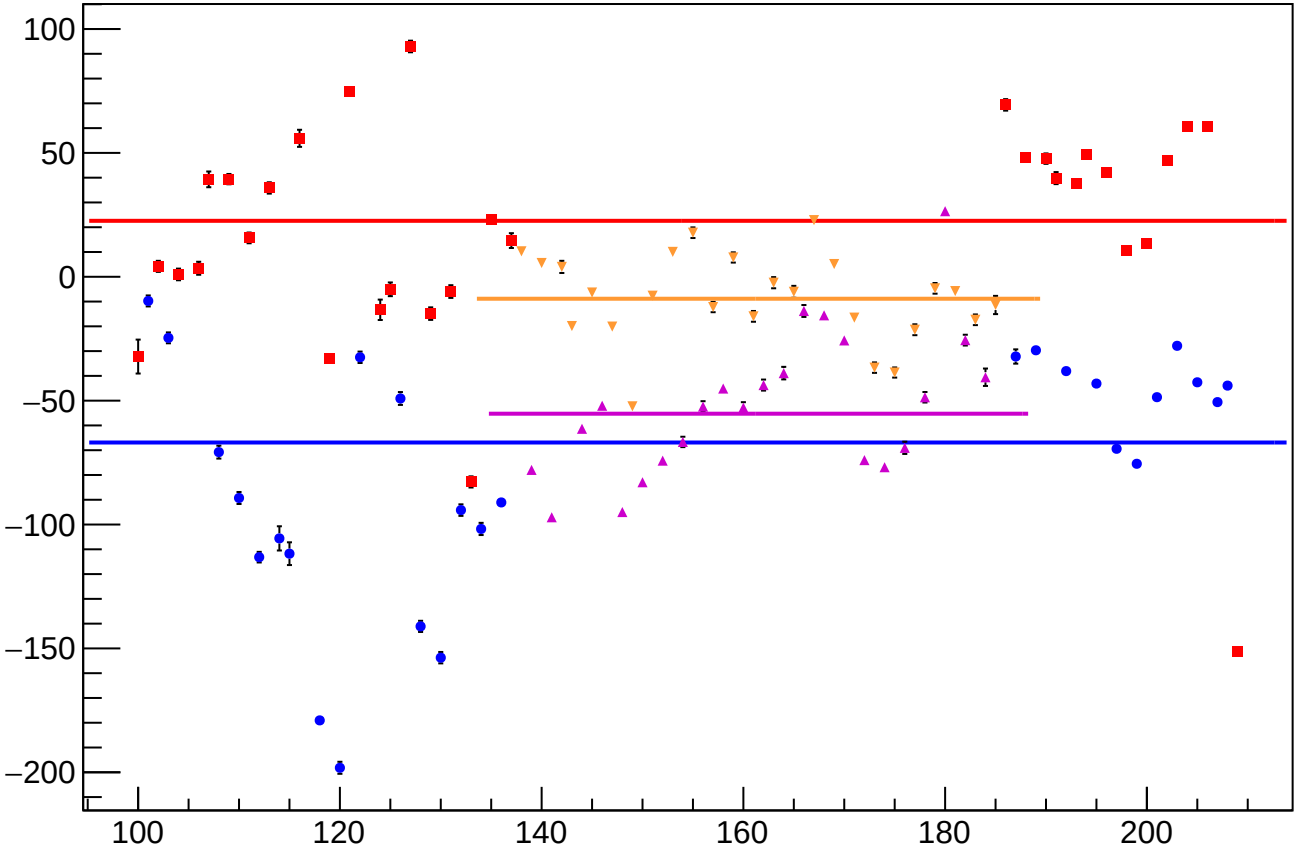
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1367.119+/-0.164 χ^2/NDF: 795304.7/51

All: 1368.778+/-0.116 χ^2/NDF: 1732701.1/10

- sign 1370.428+/-0.163 χ^2/NDF: 937192.0/54

diff_bpm0i02aX_mean vs Slug



Right In: -66.890+/-0.367 χ^2/NDF: 13876.1/26

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 22.588+/-0.346 χ^2/NDF: 21129.9/31

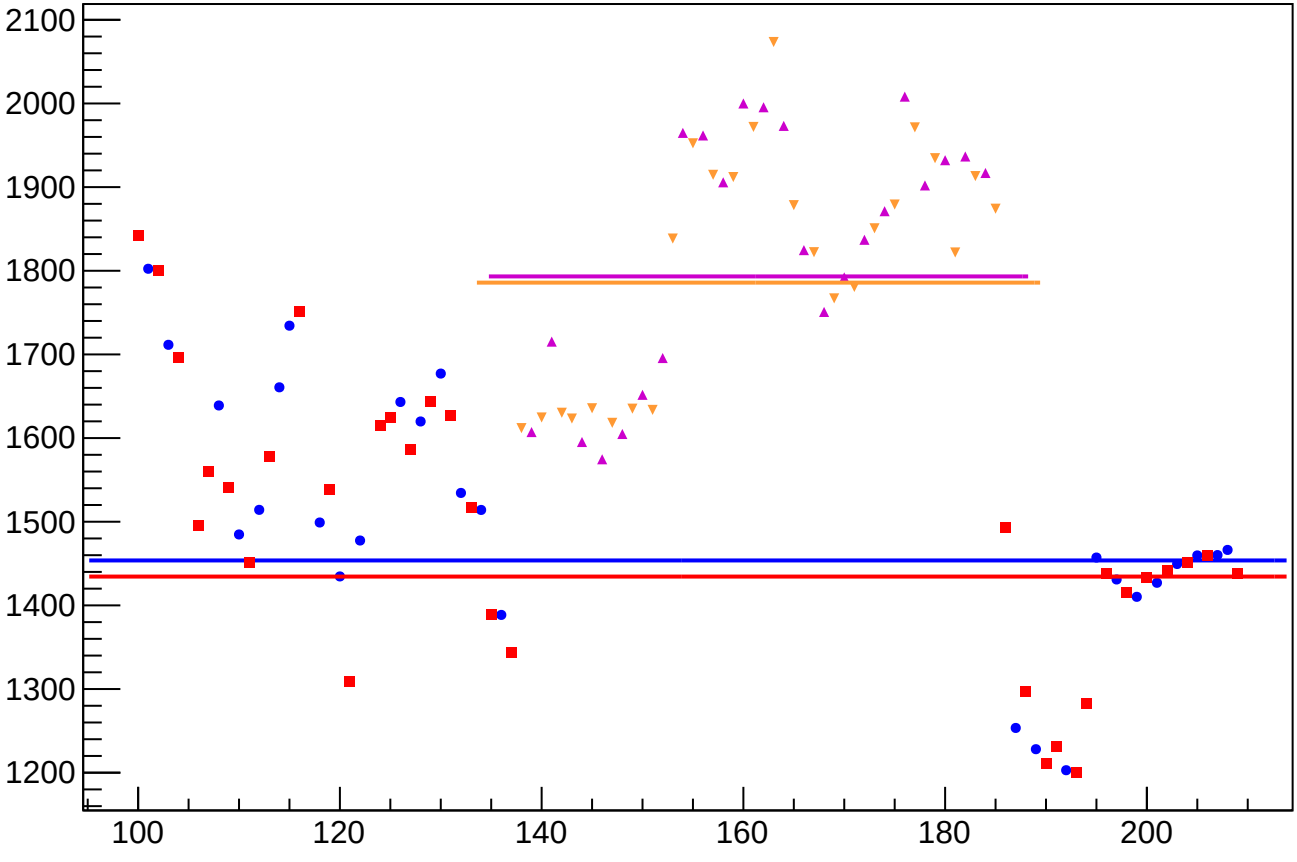
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -40.896+/-0.273 χ^2/NDF: 27042.8/51

All: -24.577+/-0.191 χ^2/NDF: 80373.0/106

\- sign -8.876+/-0.267 χ^2/NDF: 46293.9/54

diff_bpm0i02aX_rms vs Slug



Right In: 1453.715+/-0.259 χ^2/NDF: 281683.0/26

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.444+/-0.245 χ^2/NDF: 330892.1/31

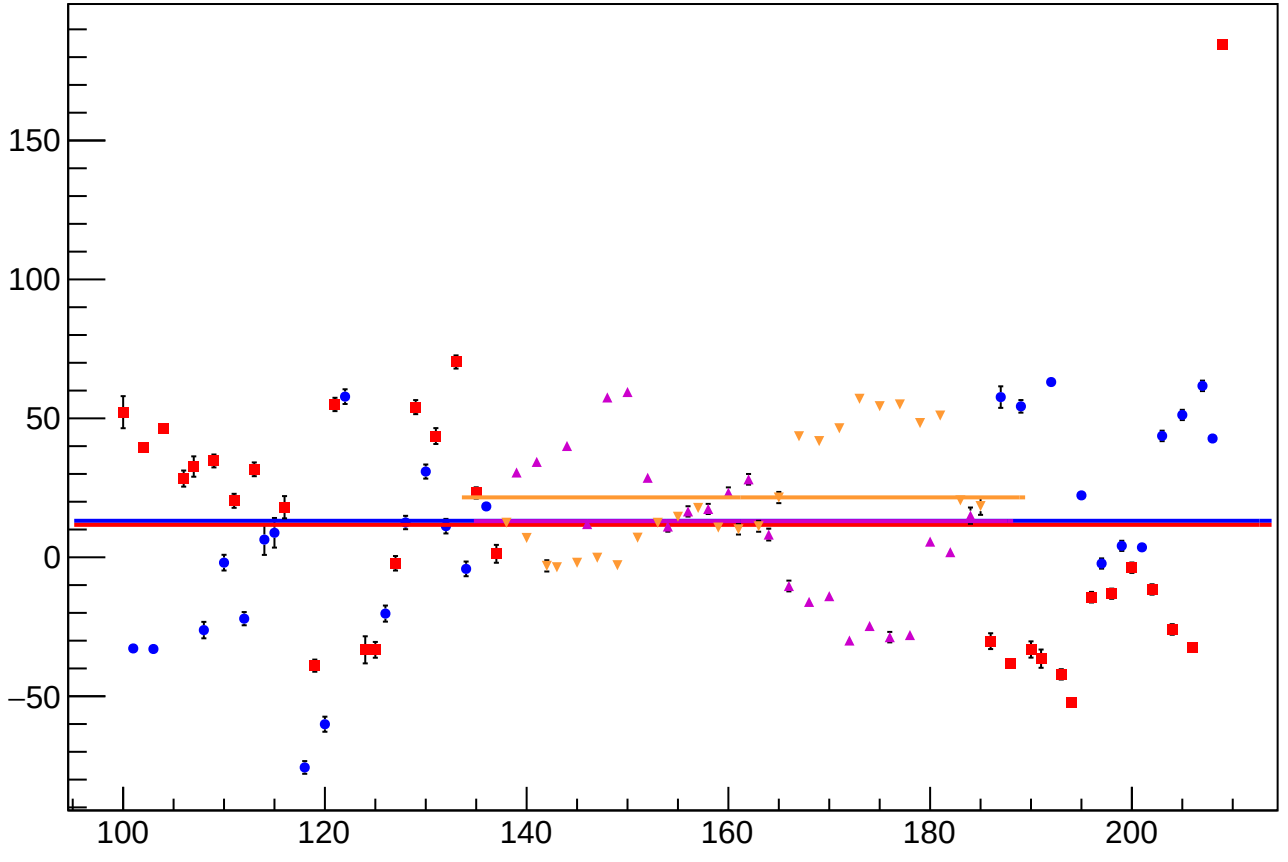
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1602.484+/-0.193 χ^2/NDF: 1253513.3/51

All: 1590.744+/-0.135 χ^2/NDF: 2712251.6/10

- sign 1579.449+/-0.189 χ^2/NDF: 1451455.9/54

diff_bpm0i02aY_mean vs Slug



Right In: 13.138+/-0.417 χ^2/NDF: 7661.8/26

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 11.683+/-0.397 χ^2/NDF: 21233.7/31

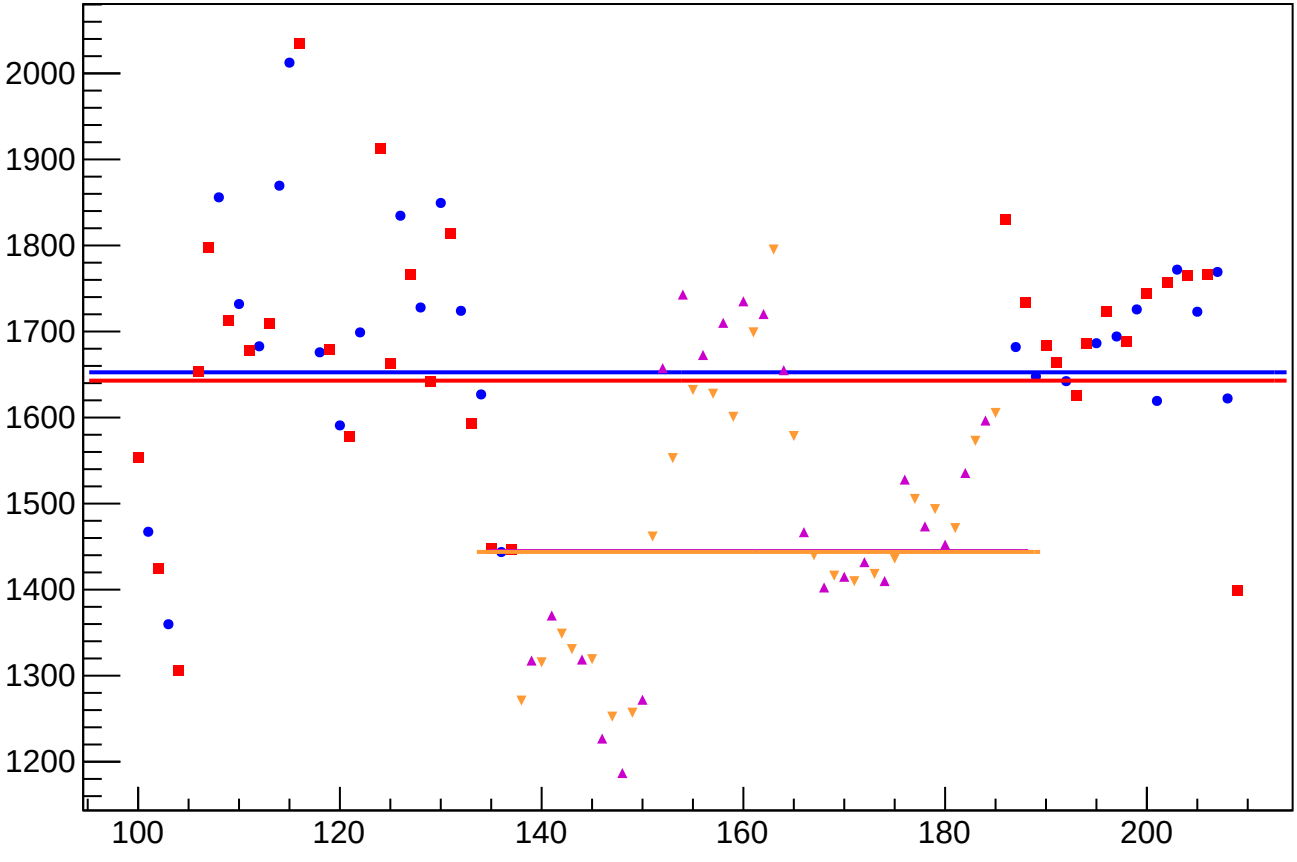
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 18.322+/-0.259 χ^2/NDF: 12073.9/51

All: 15.379+/-0.183 χ^2/NDF: 40199.4/106

- sign 12.450+/-0.258 χ^2/NDF: 27867.5/54

diff_bpm0i02aY_rms vs Slug



Right In: 1652.587+/-0.295 χ^2/NDF: 188191.9/26

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1642.904+/-0.280 χ^2/NDF: 276833.1/31

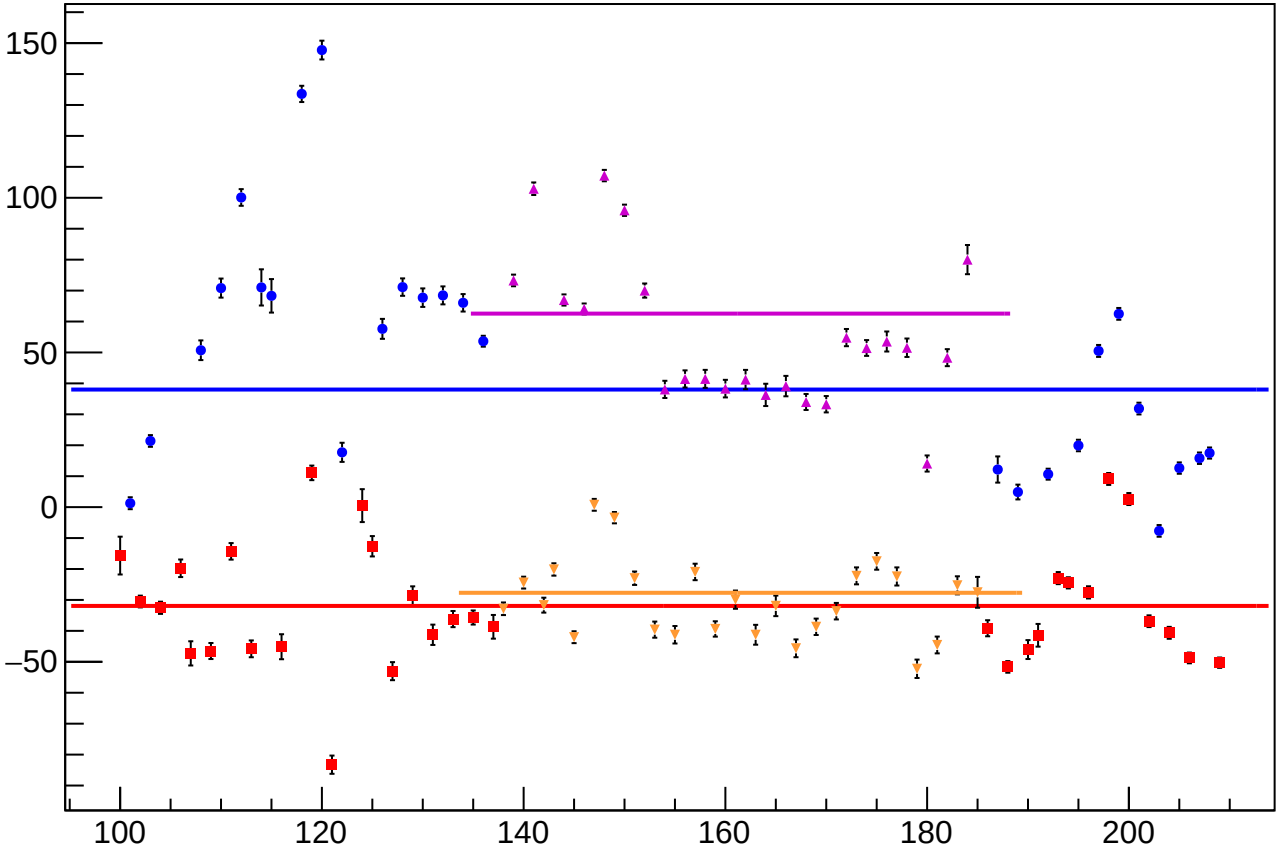
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1524.200+/-0.183 χ^2/NDF: 848894.6/51

All: 1526.474+/-0.129 χ^2/NDF: 1898816.3/10

- sign 1528.737+/-0.183 χ^2/NDF: 1049613.4/54

diff_bpm0i05X_mean vs Slug



Right In: 38.009+/-0.445 χ^2/NDF: 6222.2/26

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -31.937+/-0.423 χ^2/NDF: 2135.0/31

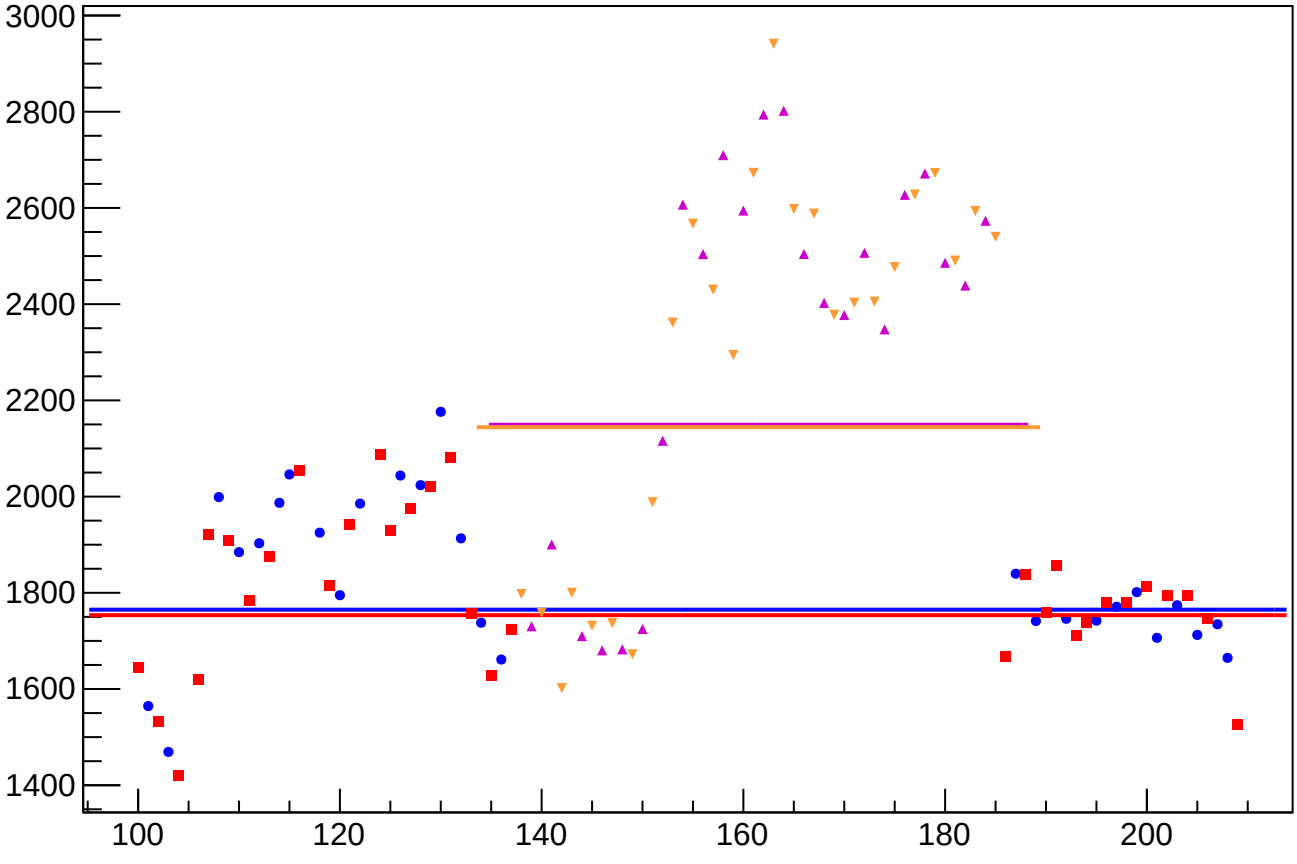
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.694+/-0.331 χ^2/NDF: 16704.5/51

All: 7.534+/-0.232 χ^2/NDF: 41580.2/106

- sign 6.412+/-0.326 χ^2/NDF: 24851.6/54

diff_bpm0i05X_rms vs Slug



Right In: 1764.954+/-0.315 χ^2/NDF: 209994.9/26

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1753.529+/-0.299 χ^2/NDF: 240970.2/31

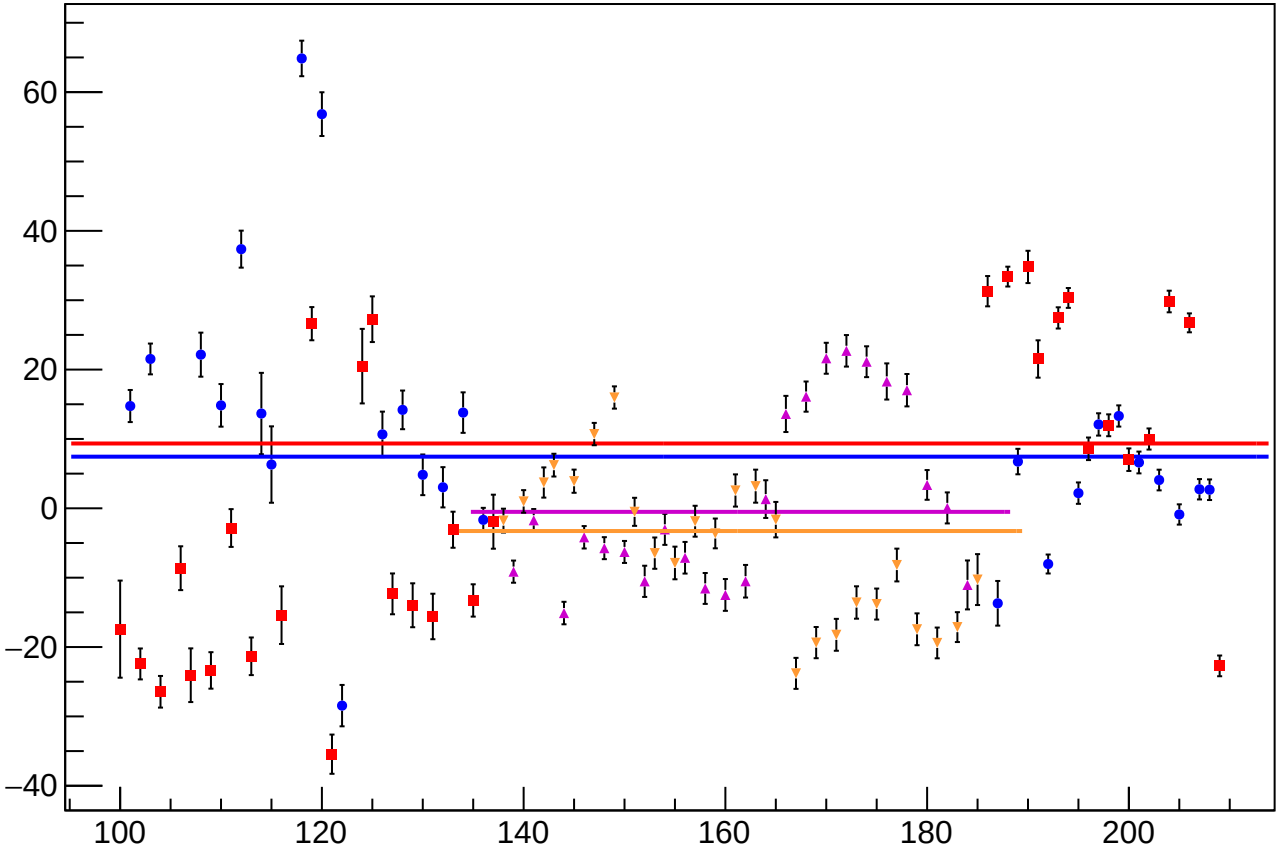
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1934.180+/-0.234 χ^2/NDF: 2137381.9/51

All: 1924.011+/-0.164 χ^2/NDF: 4358722.0/10

- sign 1914.167+/-0.231 χ^2/NDF: 2217633.0/54

diff_bpm0i05Y_mean vs Slug



Right In: 7.446+/-0.393 χ^2/NDF: 1403.6/26

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 9.345+/-0.375 χ^2/NDF: 3217.4/31

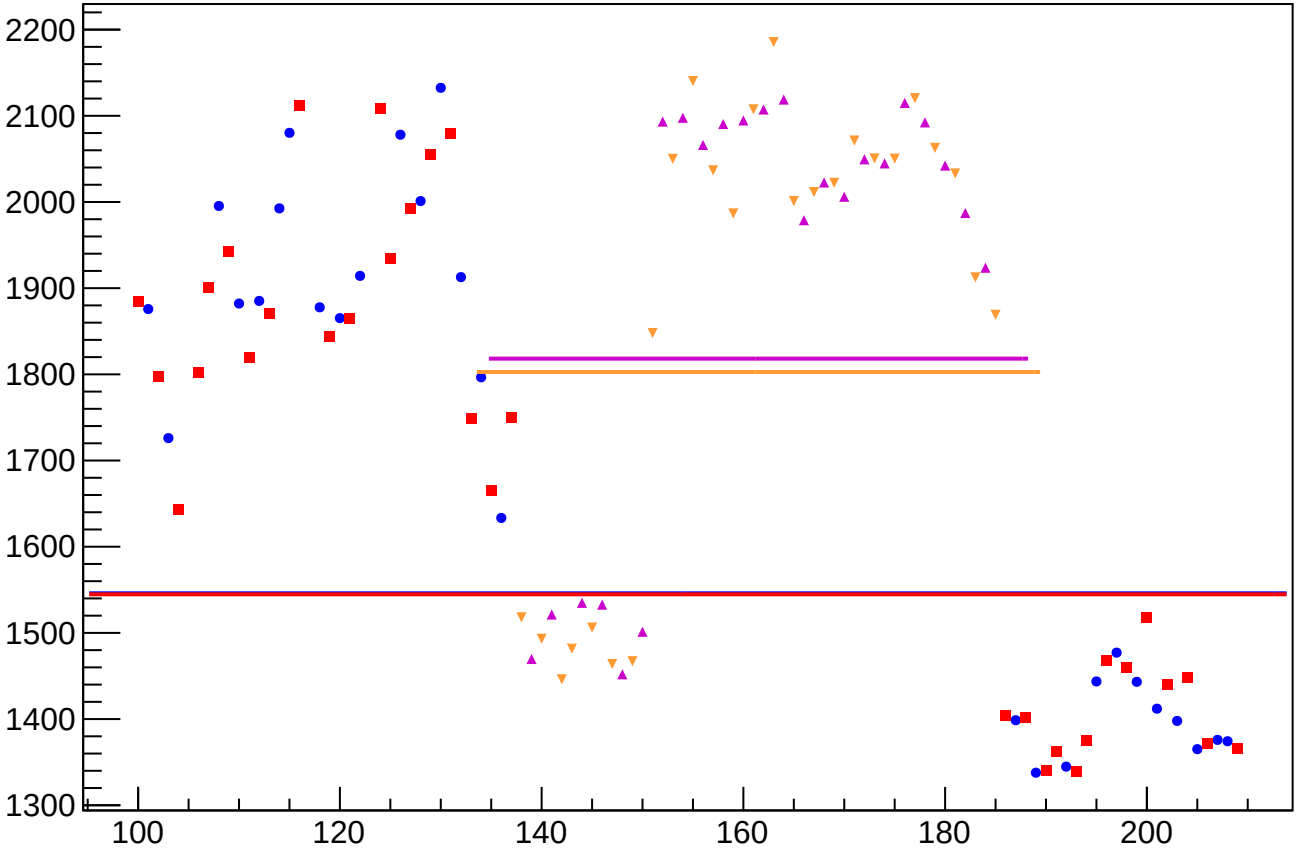
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.372+/-0.285 χ^2/NDF: 2426.8/51

All: 3.741+/-0.201 χ^2/NDF: 6734.2/106

- sign 5.084+/-0.283 χ^2/NDF: 4261.7/54

diff_bpm0i05Y_rms vs Slug



Right In: 1545.913+/-0.278 χ^2/NDF: 716187.0/26

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1544.759+/-0.265 χ^2/NDF: 683426.8/31

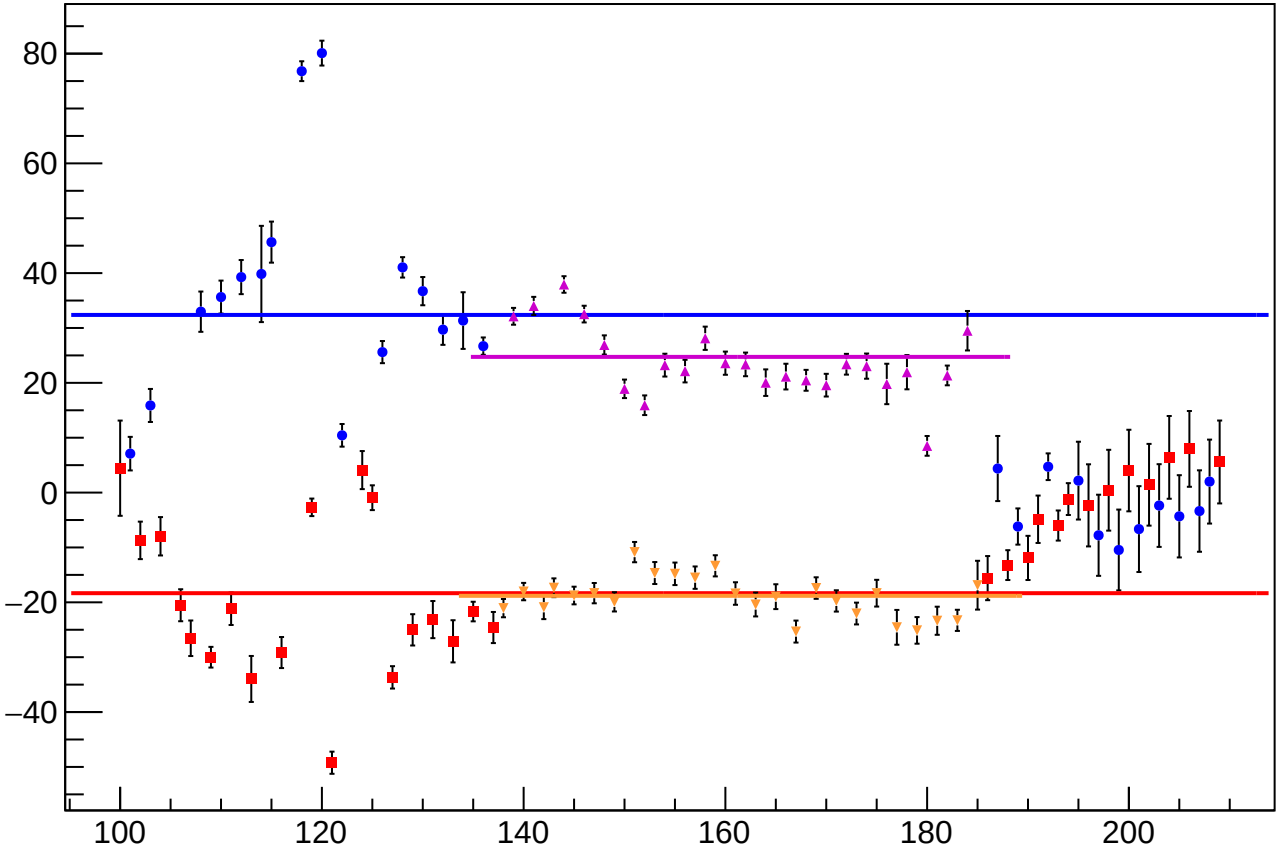
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1667.458+/-0.202 χ^2/NDF: 2017774.5/51

All: 1665.200+/-0.142 χ^2/NDF: 4001472.7/10

- sign 1662.984+/-0.200 χ^2/NDF: 1983449.8/54

diff_bpm0i07X_mean vs Slug



Right In: 32.378+/-0.576 χ^2/NDF: 1806.6/26

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.334+/-0.532 χ^2/NDF: 741.6/31

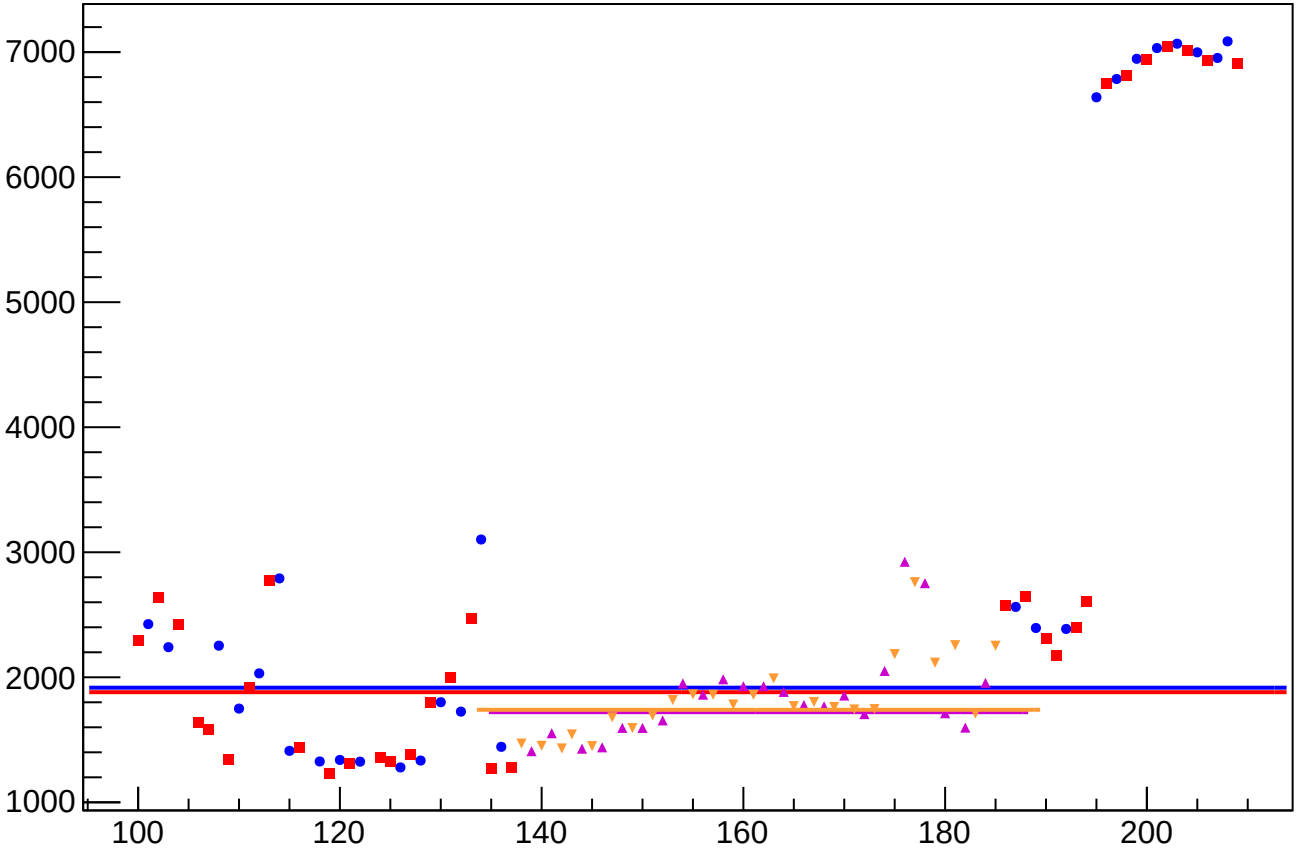
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.050+/-0.330 χ^2/NDF: 7194.6/51

All: 3.433+/-0.231 χ^2/NDF: 12911.5/106

\- sign 8.734+/-0.324 χ^2/NDF: 5172.6/54

diff_bpm0i07X_rms vs Slug



Right In: 1916.820+/-0.407 χ^2/NDF: 8732143.6/26

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1880.916+/-0.376 χ^2/NDF: 8598546.6/31

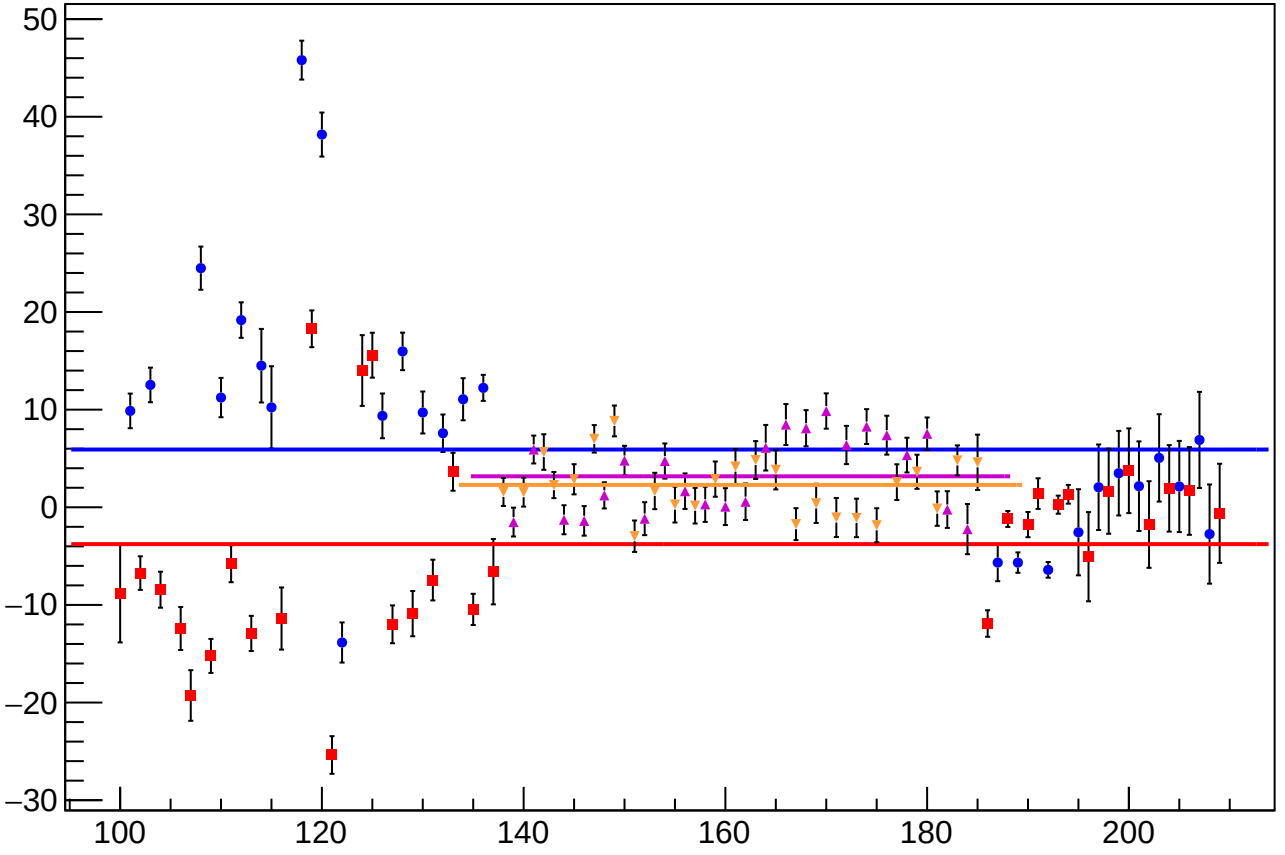
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1797.967+/-0.233 χ^2/NDF: 9612161.2/51

All: 1788.993+/-0.163 χ^2/NDF: 19211507.6/1

- sign 1780.317+/-0.229 χ^2/NDF: 9596430.6/54

diff_bpm0i07Y_mean vs Slug



Right In: 5.915+/-0.377 χ^2/NDF: 1319.3/26

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.775+/-0.318 χ^2/NDF: 672.3/31

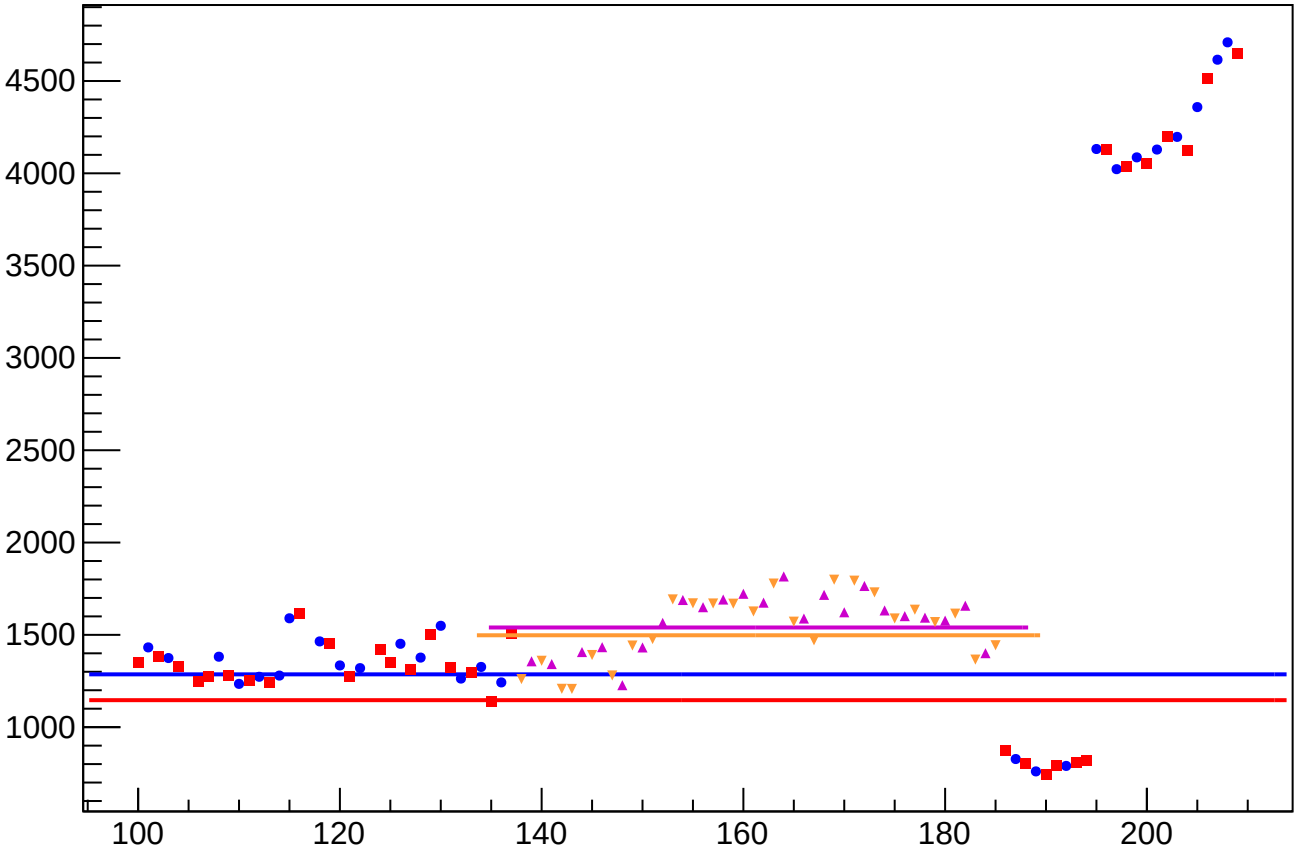
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.938+/-0.254 χ^2/NDF: 1443.3/51

All: 1.448+/-0.174 χ^2/NDF: 2615.3/106

- sign -0.757+/-0.239 χ^2/NDF: 990.5/54

diff_bpm0i07Y_rms vs Slug



Right In: 1286.095+/-0.266 χ^2/NDF: 8235669.0/26

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1146.204+/-0.225 χ^2/NDF: 8112566.0/31

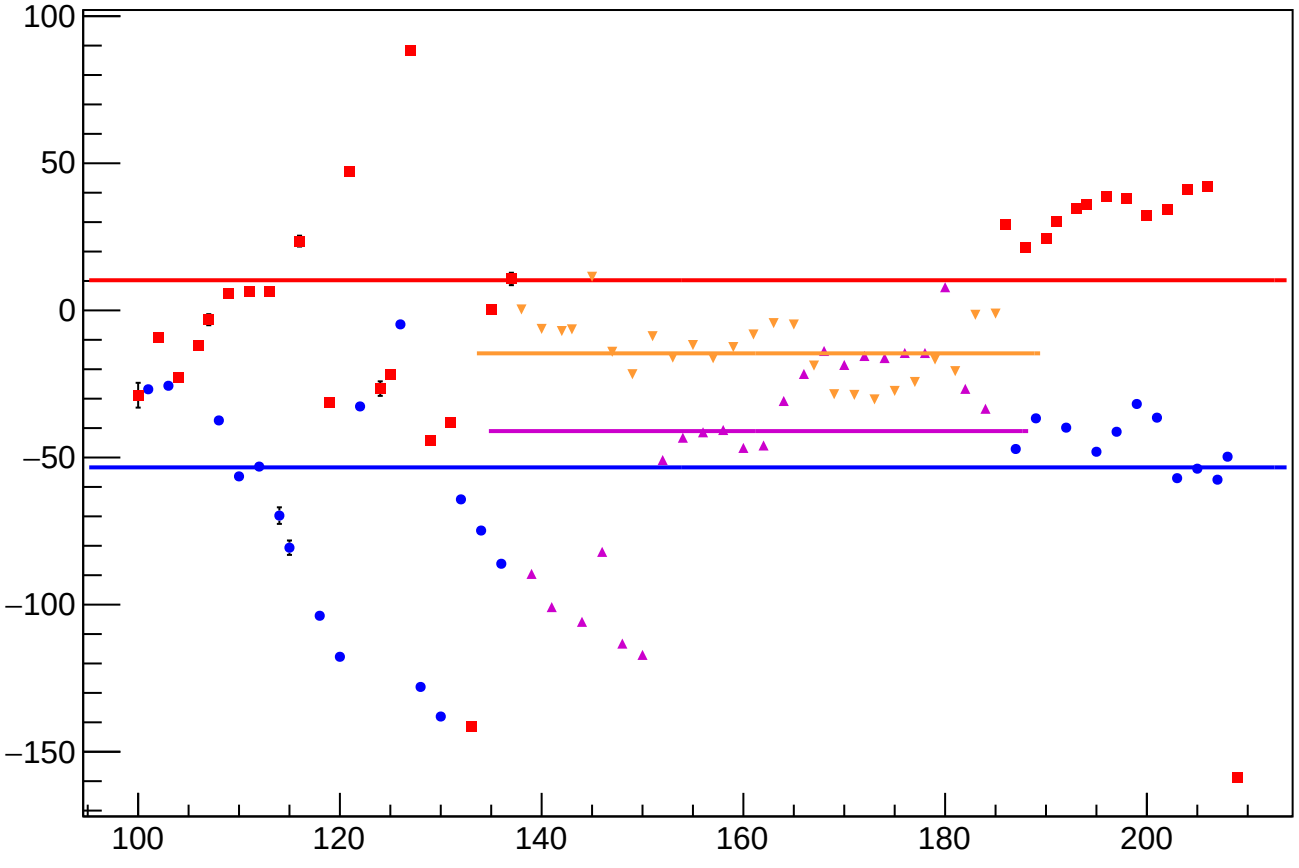
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1401.622+/-0.179 χ^2/NDF: 9149028.9/51

All: 1356.862+/-0.123 χ^2/NDF: 19093959.5/1

- sign 1317.207+/-0.169 χ^2/NDF: 9827595.6/54

diff_bpm1i02X_mean vs Slug



Right In: -53.351+/-0.184 χ^2/NDF: 17828.6/26

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 10.247+/-0.176 χ^2/NDF: 97163.0/31

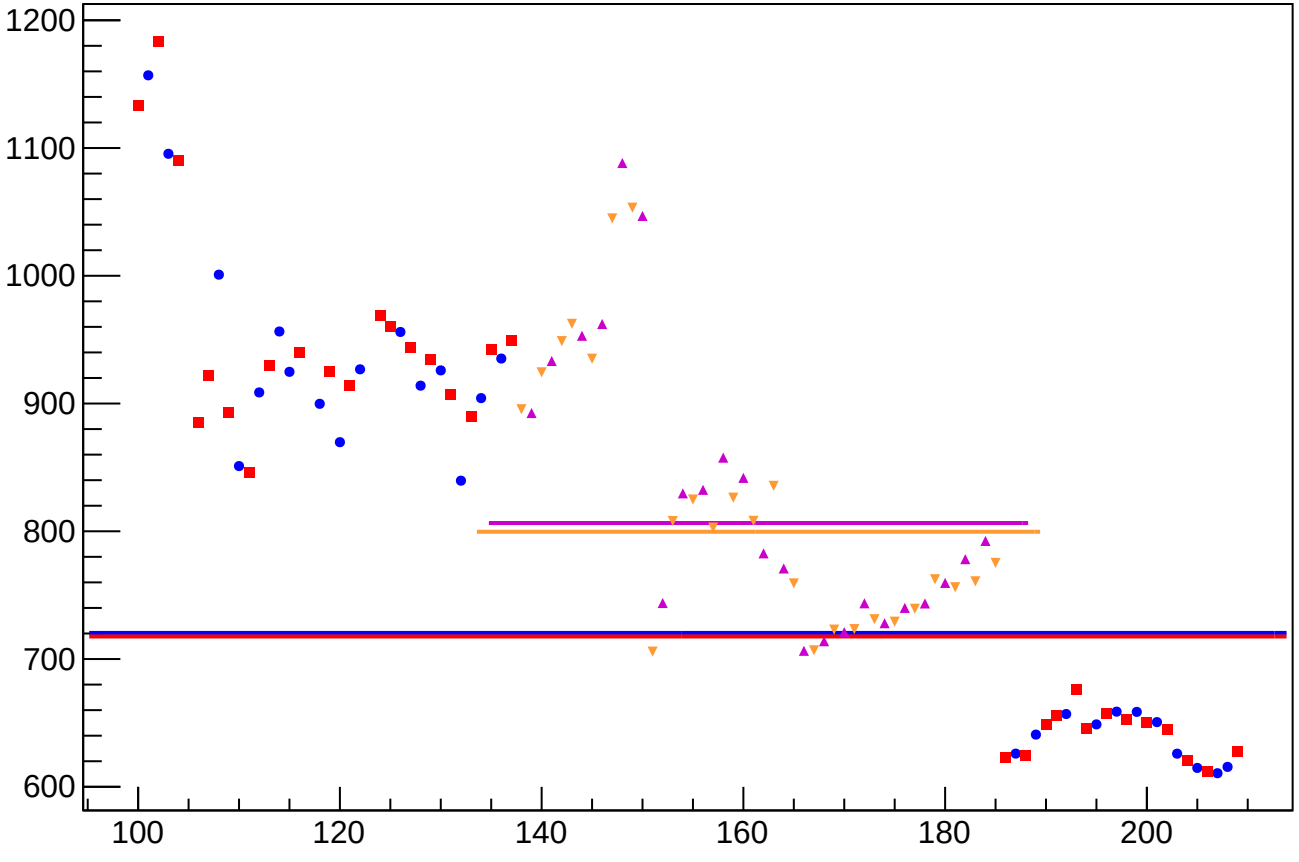
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -33.815+/-0.130 χ^2/NDF: 43239.8/51

All: -23.528+/-0.091 χ^2/NDF: 223234.6/106

- sign -13.400+/-0.129 χ^2/NDF: 167547.8/54

diff_bpm1i02X_rms vs Slug



Right In: 720.445+/-0.130 χ^2/NDF: 1185486.7/26

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 717.662+/-0.124 χ^2/NDF: 1255252.4/31

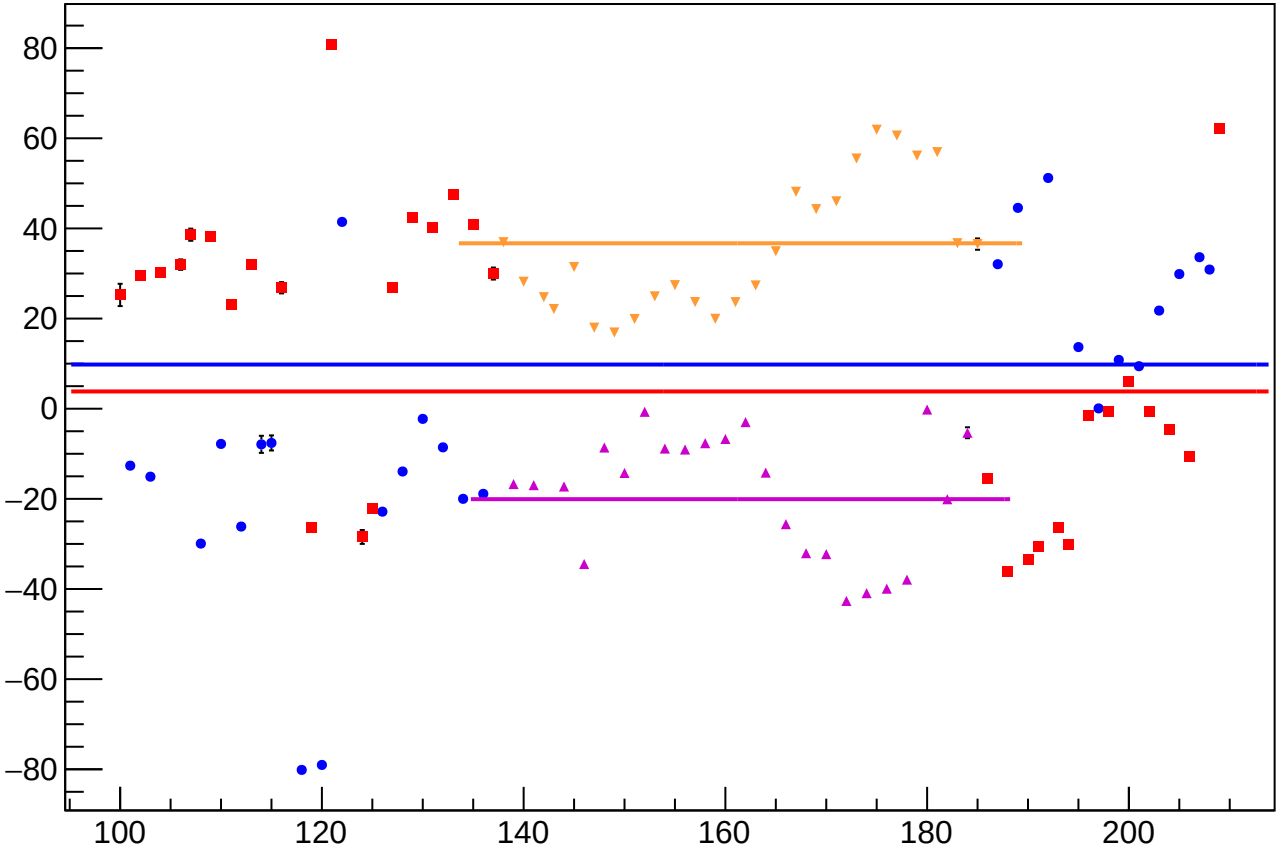
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 760.368+/-0.092 χ^2/NDF: 1868768.0/51

All: 759.491+/-0.065 χ^2/NDF: 3871493.0/106

- sign 758.628+/-0.091 χ^2/NDF: 2002544.2/54

diff_bpm1i02Y_mean vs Slug



Right In: 9.802+/-0.136 χ^2/NDF: 45507.8/26

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 3.830+/-0.129 χ^2/NDF: 55979.9/31

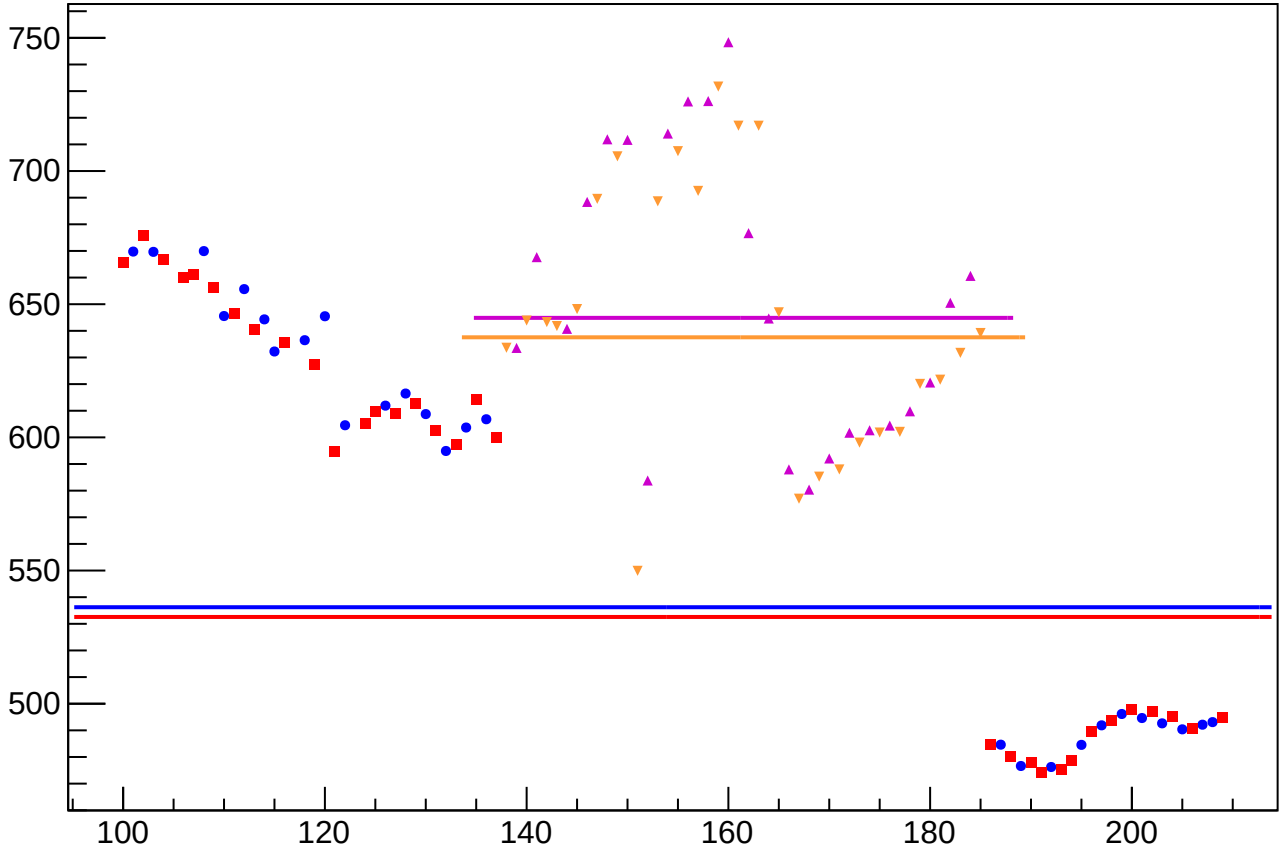
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 22.329+/-0.099 χ^2/NDF: 74024.8/51

All: 7.888+/-0.070 χ^2/NDF: 194905.7/106

- sign -6.229+/-0.098 χ^2/NDF: 79002.9/54

diff_bpm1i02Y_rms vs Slug



Right In: 536.231+/-0.096 χ^2/NDF: 508822.4/26

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 532.573+/-0.091 χ^2/NDF: 550684.4/31

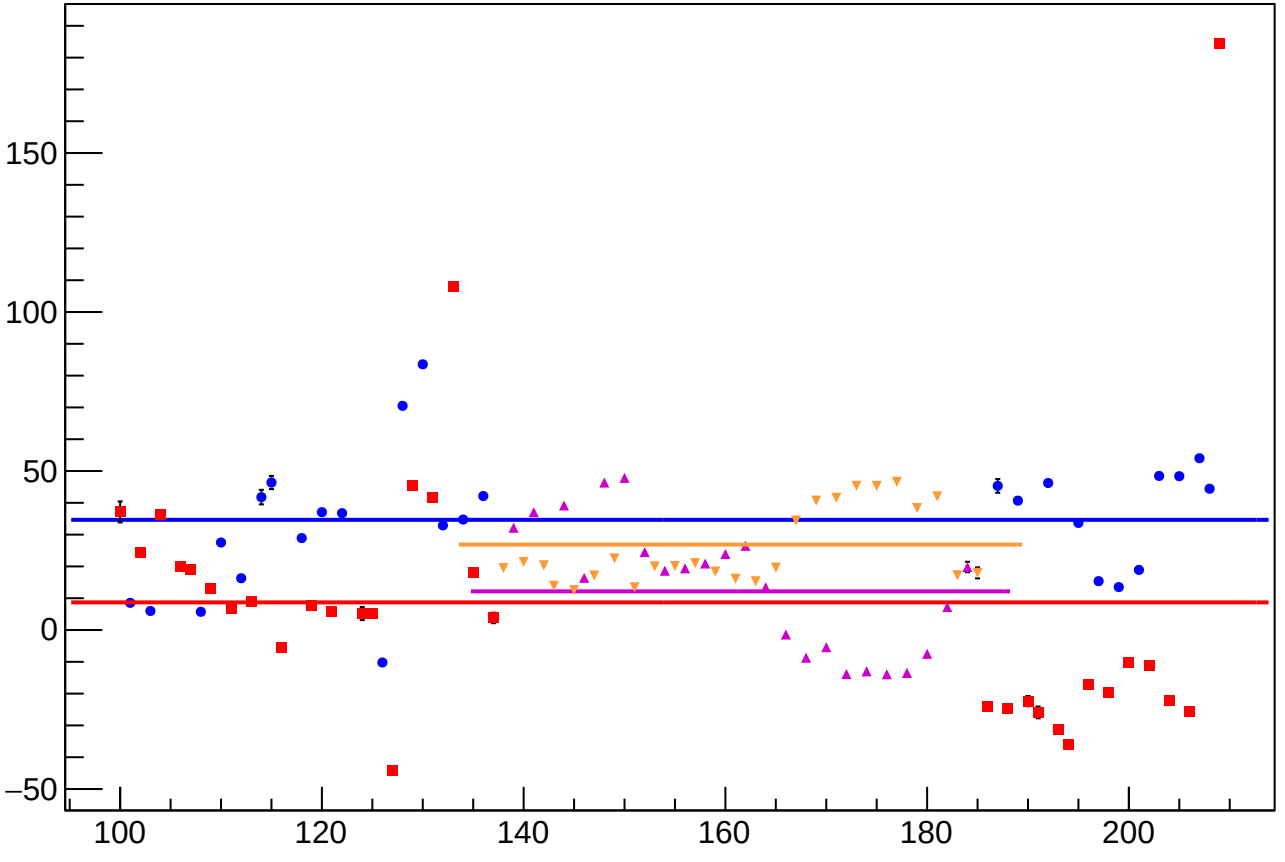
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 583.421+/-0.070 χ^2/NDF: 1264286.1/51

All: 581.609+/-0.049 χ^2/NDF: 2684476.8/106

- sign 579.838+/-0.069 χ^2/NDF: 1418872.4/54

diff_bpm1i04X_mean vs Slug



Right In: 34.651+/-0.214 χ^2/NDF: 8804.1/26

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 8.690+/-0.207 χ^2/NDF: 54572.7/31

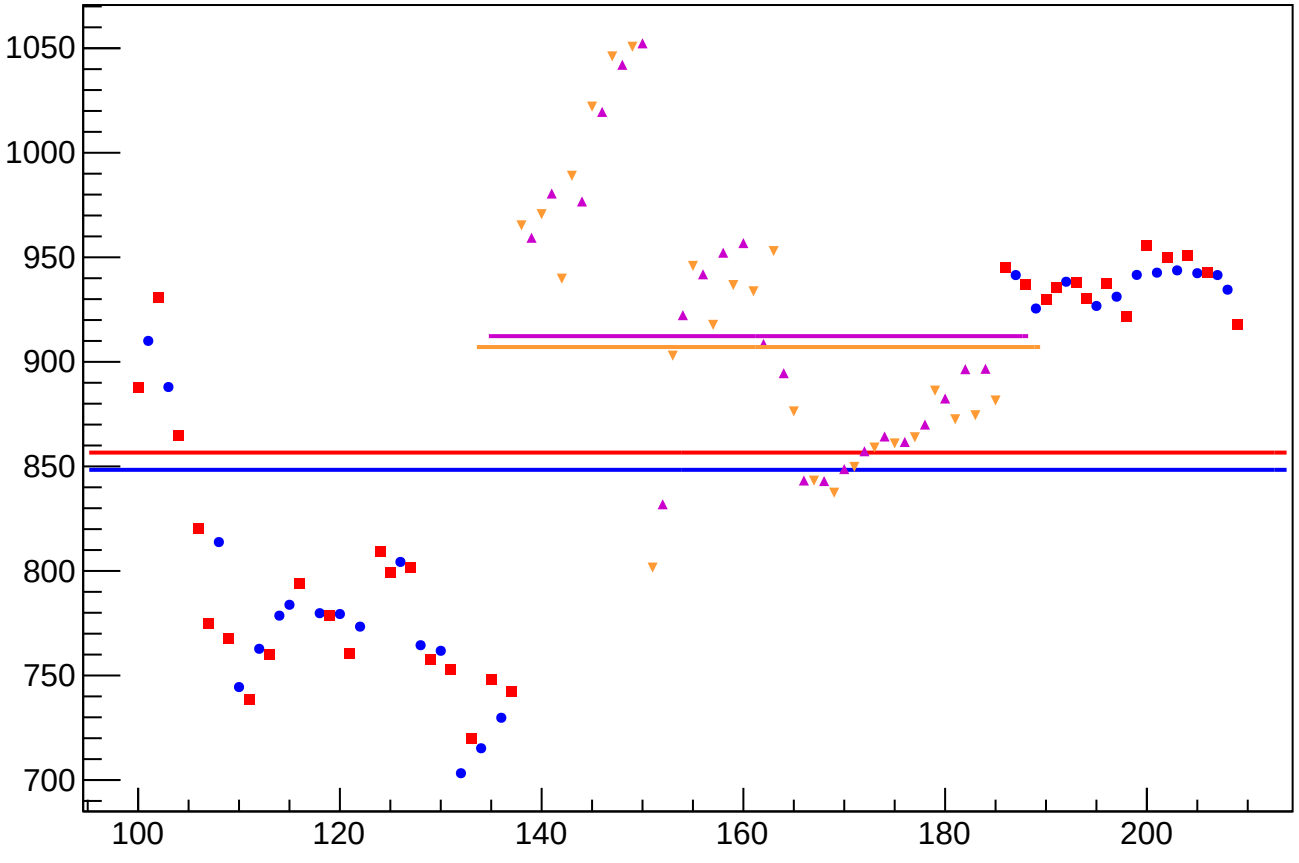
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 30.618+/-0.149 χ^2/NDF: 12878.2/51

All: 20.481+/-0.105 χ^2/NDF: 85408.8/106

- sign 10.367+/-0.149 χ^2/NDF: 63255.8/54

diff_bpm1i04X_rms vs Slug



Right In: 848.361+/-0.152 χ^2/NDF: 356972.2/26

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 856.607+/-0.146 χ^2/NDF: 350026.9/31

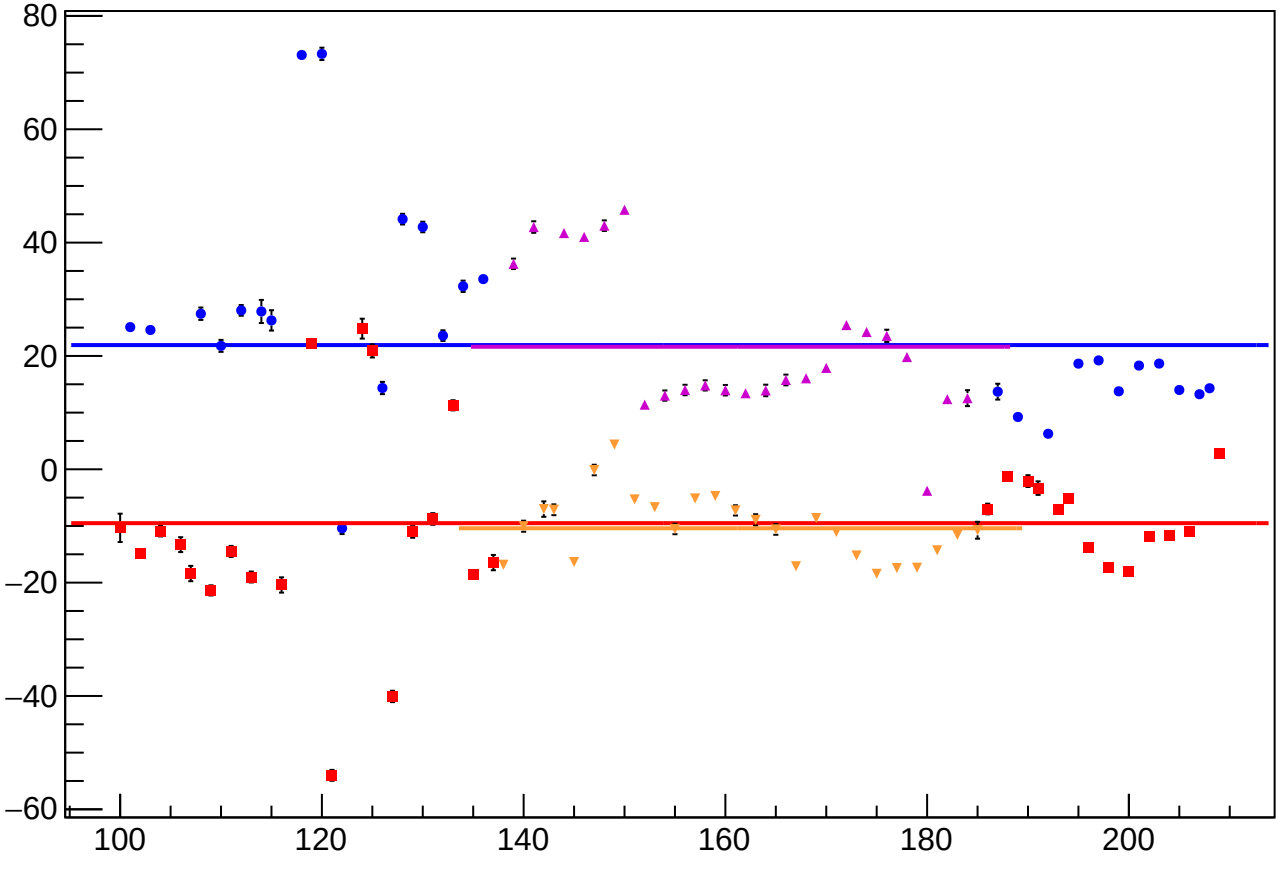
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 878.790+/-0.105 χ^2/NDF: 629398.3/51

All: 881.168+/-0.074 χ^2/NDF: 1225318.6/106

- sign 883.541+/-0.105 χ^2/NDF: 594898.9/54

diff_bpm1i04Y_mean vs Slug



Right In: 21.920+/-0.154 χ^2/NDF: 10006.3/26

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

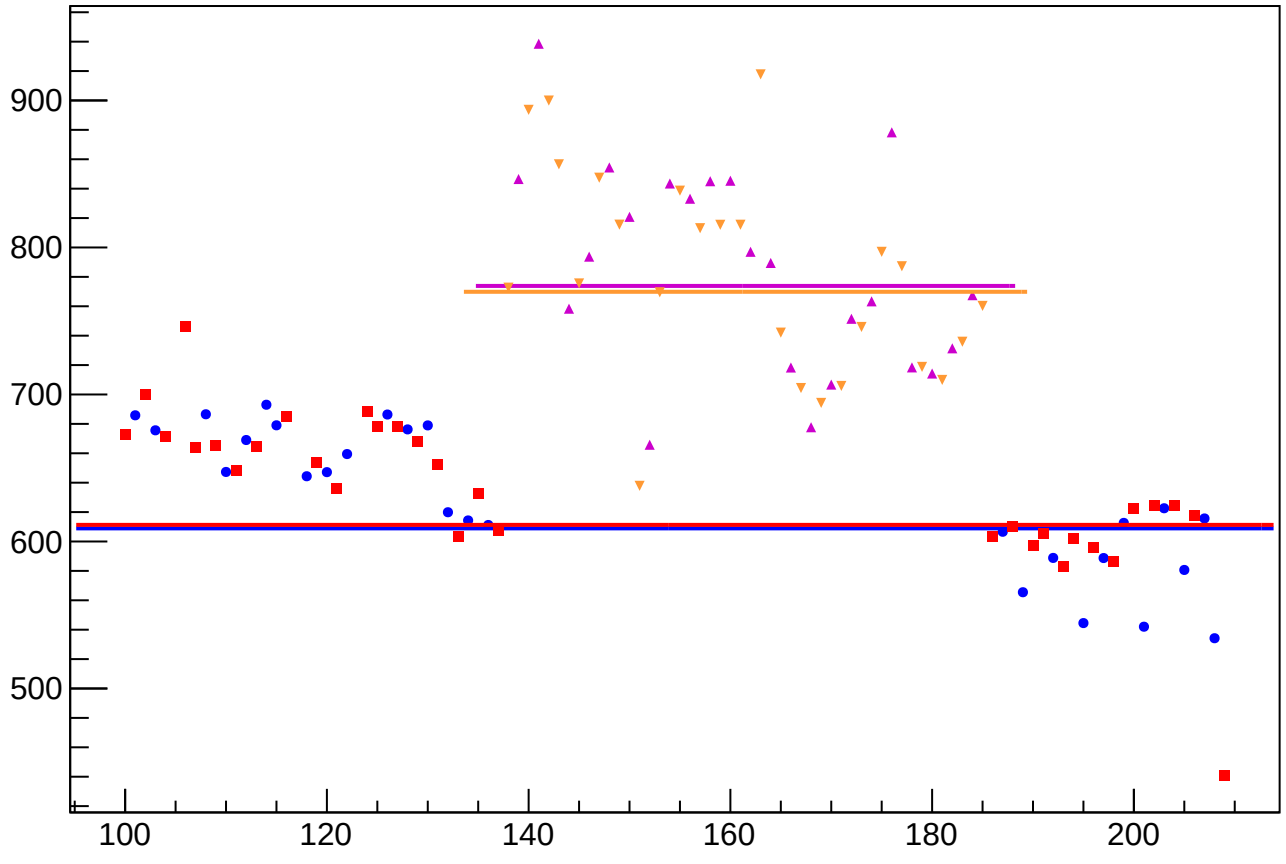
Right Out: -9.506+/-0.148 χ^2/NDF: 8021.3/31

Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 7.909+/-0.116 χ^2/NDF: 30161.6/51

All: 5.361+/-0.082 χ^2/NDF: 62019.7/106

- sign 2.865+/-0.115 χ^2/NDF: 30900.9/54



Right In: 608.915+/-0.109 χ^2/NDF: 194425.0/26

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 611.305+/-0.104 χ^2/NDF: 374369.5/31

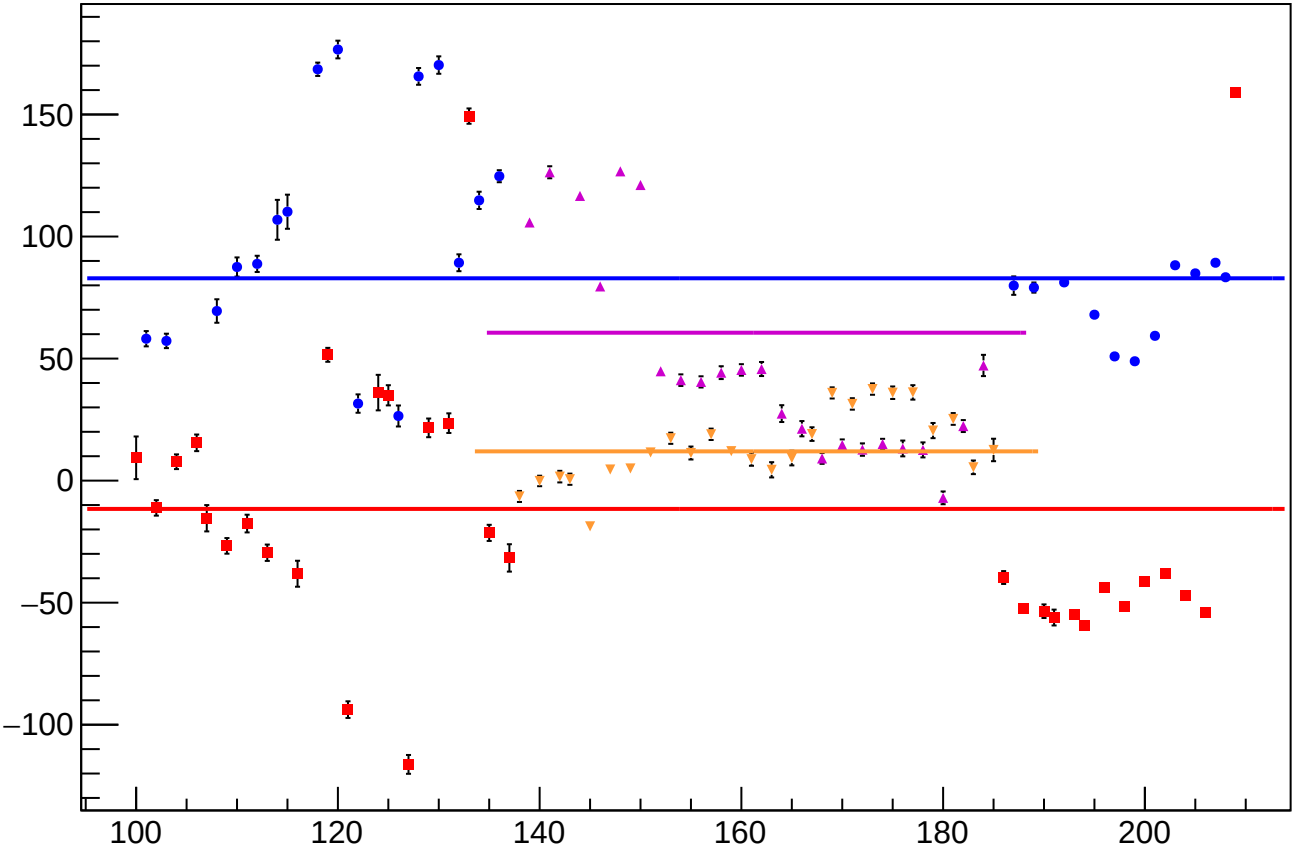
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 678.668+/-0.082 χ^2/NDF: 1446404.7/51

All: 677.272+/-0.058 χ^2/NDF: 3066067.4/106

- sign 675.904+/-0.081 χ^2/NDF: 1619087.6/54

diff_bpm1i06X_mean vs Slug



Right In: 82.894+/-0.468 χ^2/NDF: 4696.7/26

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -11.588+/-0.442 χ^2/NDF: 27298.4/31

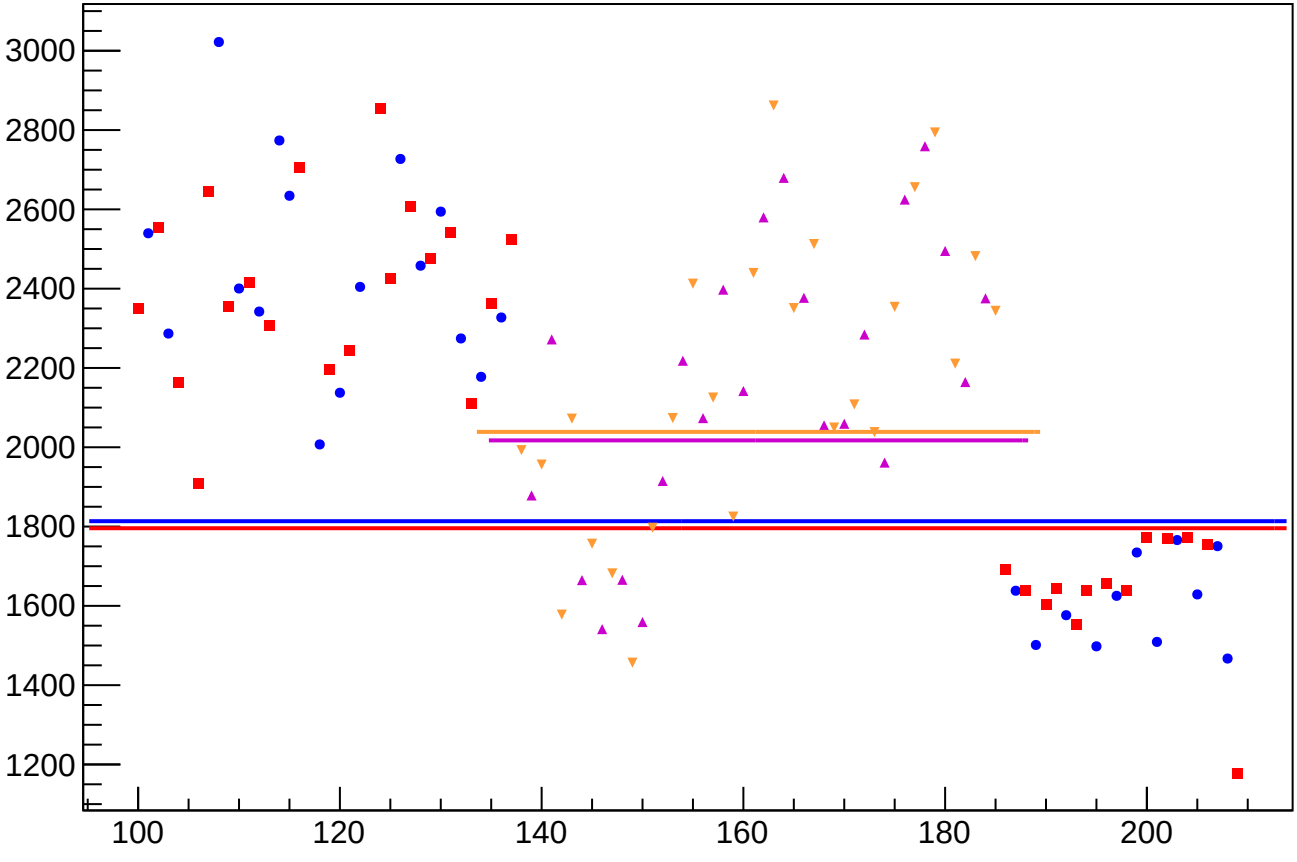
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 47.732+/-0.332 χ^2/NDF: 17041.9/51

All: 34.345+/-0.232 χ^2/NDF: 68374.9/106

- sign 21.481+/-0.325 χ^2/NDF: 48145.8/54

diff_bpm1i06X_rms vs Slug



Right In: 1813.576+/-0.331 χ^2/NDF: 1285664.2/26

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1795.801+/-0.313 χ^2/NDF: 1503169.4/31

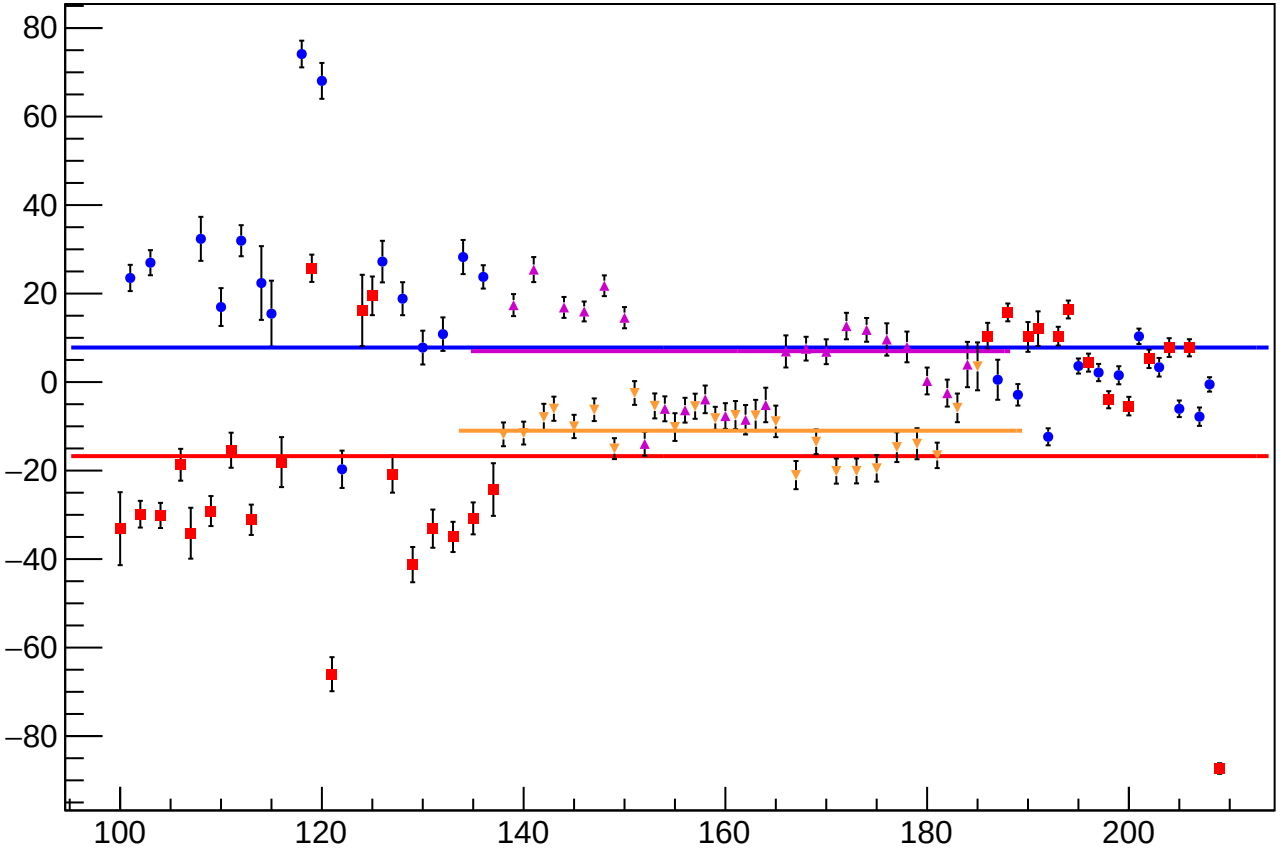
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1925.255+/-0.235 χ^2/NDF: 2639155.1/51

All: 1910.991+/-0.164 χ^2/NDF: 5429572.1/10

- sign 1897.286+/-0.230 χ^2/NDF: 2783181.1/54

diff_bpm1i06Y_mean vs Slug



Right In: 7.809+/-0.505 χ^2/NDF: 1291.0/26

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

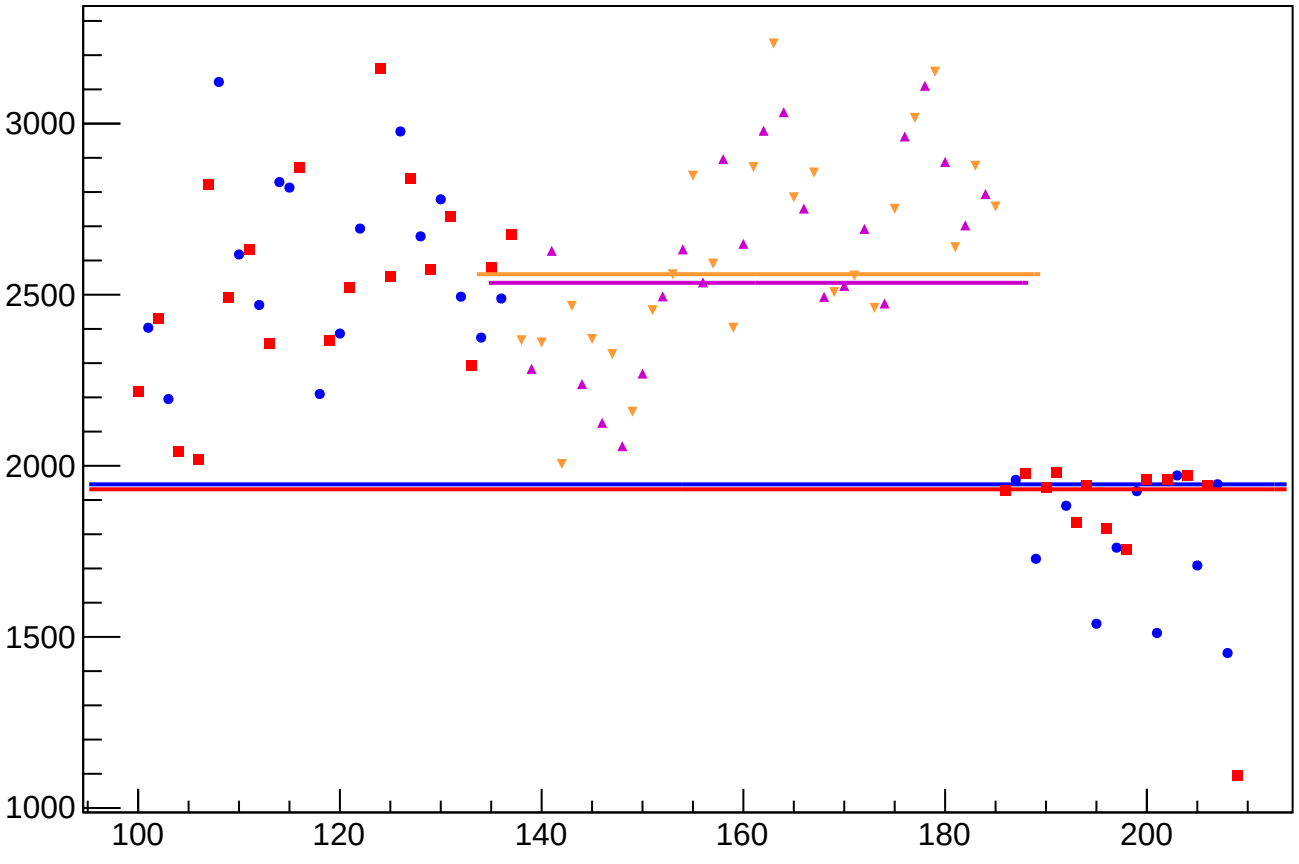
Right Out: -16.733+/-0.479 χ^2/NDF: 5584.5/31

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.199+/-0.382 χ^2/NDF: 1969.1/51

All: -3.921+/-0.267 χ^2/NDF: 9036.1/106

- sign -7.478+/-0.374 χ^2/NDF: 6881.7/54



Right In: 1945.825+/-0.357 χ^2/NDF: 1328322.7/26

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1931.345+/-0.339 χ^2/NDF: 1826101.8/31

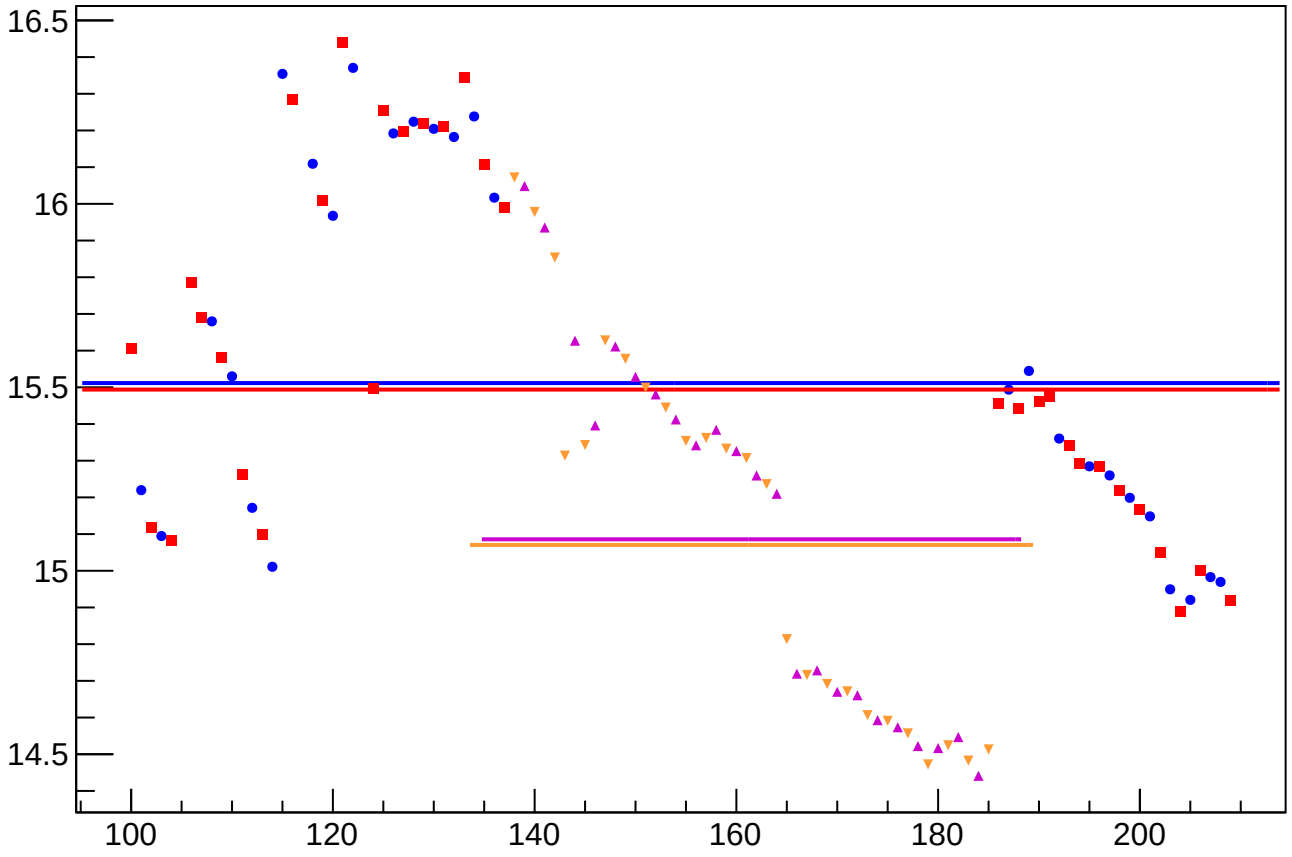
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2207.492+/-0.270 χ^2/NDF: 3039536.7/51

All: 2186.694+/-0.189 χ^2/NDF: 6580726.2/10

- sign 2166.821+/-0.264 χ^2/NDF: 3529623.3/54

yield_sam1_mean vs Slug



Right In: 15.512+/-0.000 χ^2/NDF: 21607368460.4/26

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.494+/-0.000 χ^2/NDF: 19982548091.9/31

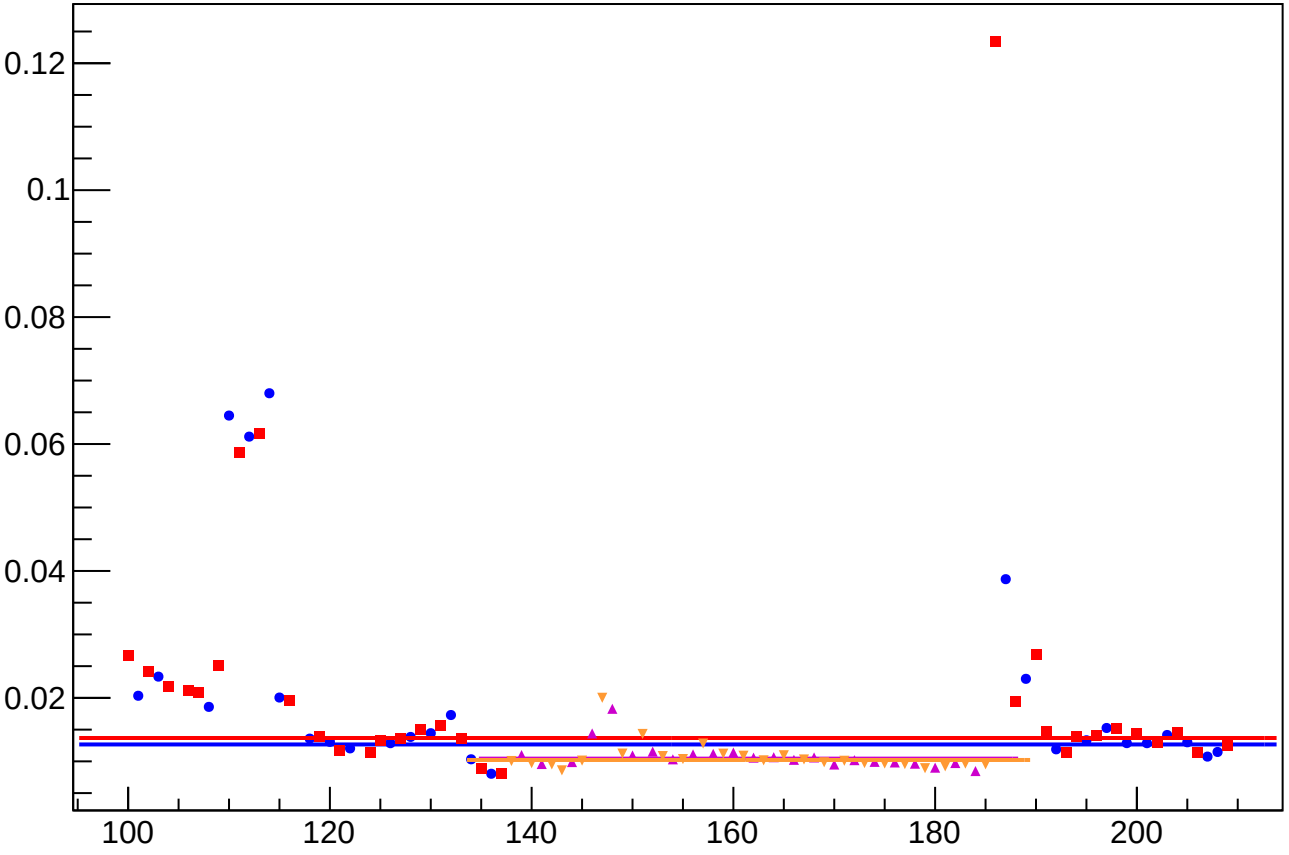
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.215+/-0.000 χ^2/NDF: 76389850127.9/51

All: 15.218+/-0.000 χ^2/NDF: 144601236396.

- sign 15.221+/-0.000 χ^2/NDF: 68206449993.4/54

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2835628.6/26

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

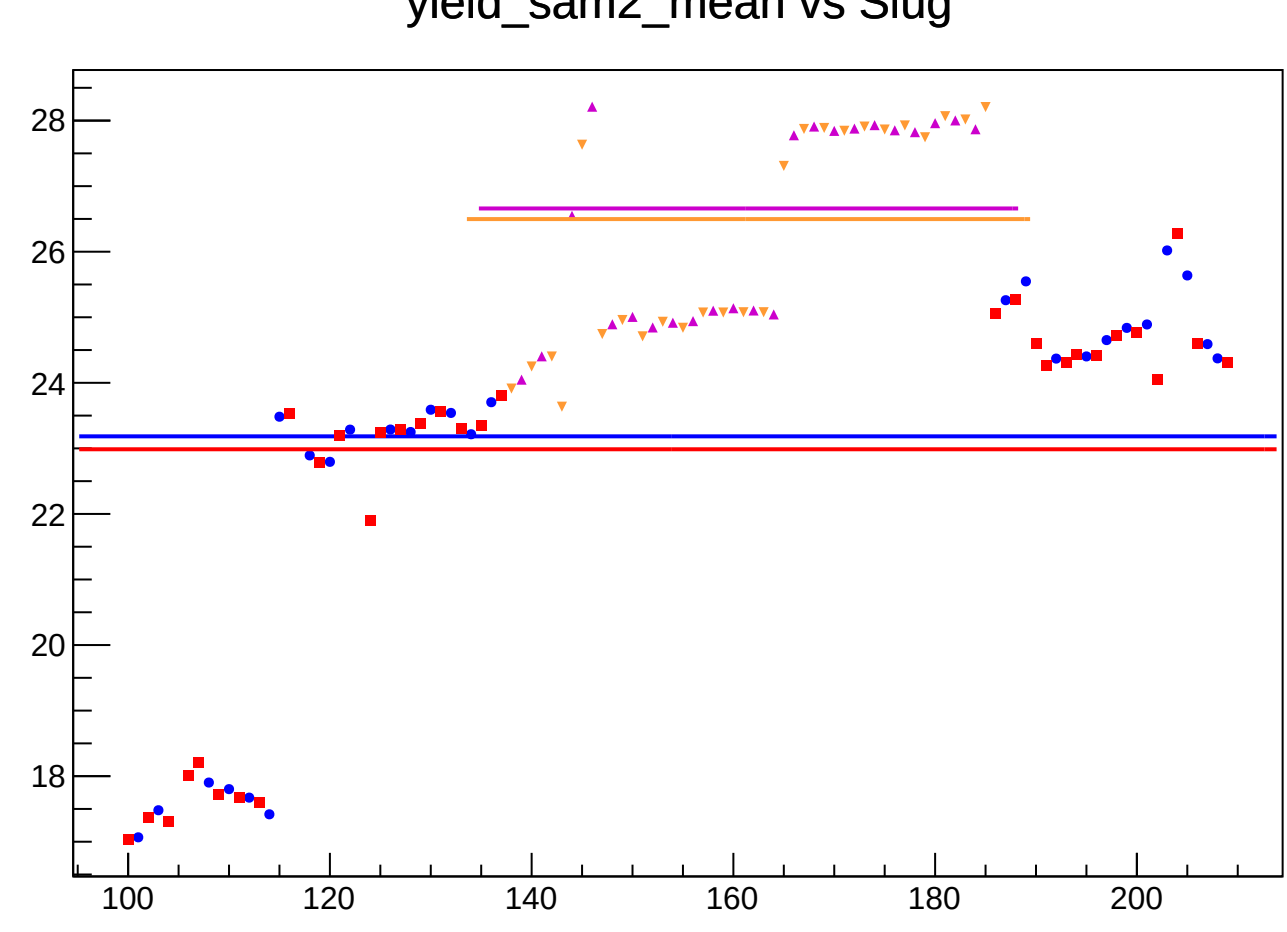
Right Out: 0.014+/-0.000 χ^2/NDF: 3354904.2/31

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4276929.2/51

All: 0.011+/-0.000 χ^2/NDF: 9396642.1/106

- sign 0.012+/-0.000 χ^2/NDF: 5060665.5/54



Right In: 23.184+/-0.000 χ^2/NDF: 1593031263.1/26

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.986+/-0.000 χ^2/NDF: 1674792353.8/31

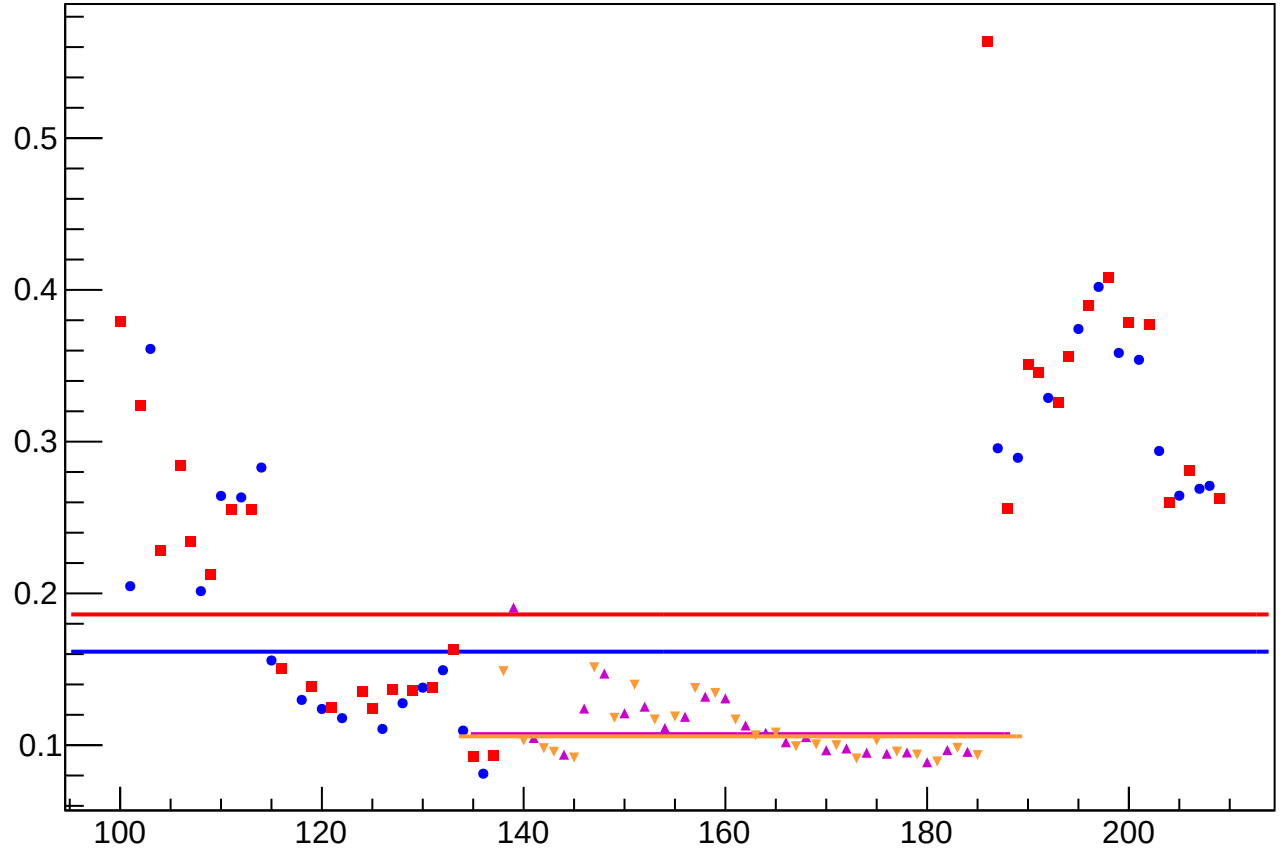
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.753+/-0.000 χ^2/NDF: 9163357115.9/51

All: 25.808+/-0.000 χ^2/NDF: 17685405167.2

- sign 25.869+/-0.000 χ^2/NDF: 8509680737.8/54

yield_sam2_rms vs Slug



Right In: 0.162+/-0.000 χ^2/NDF: 6725610.8/26

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

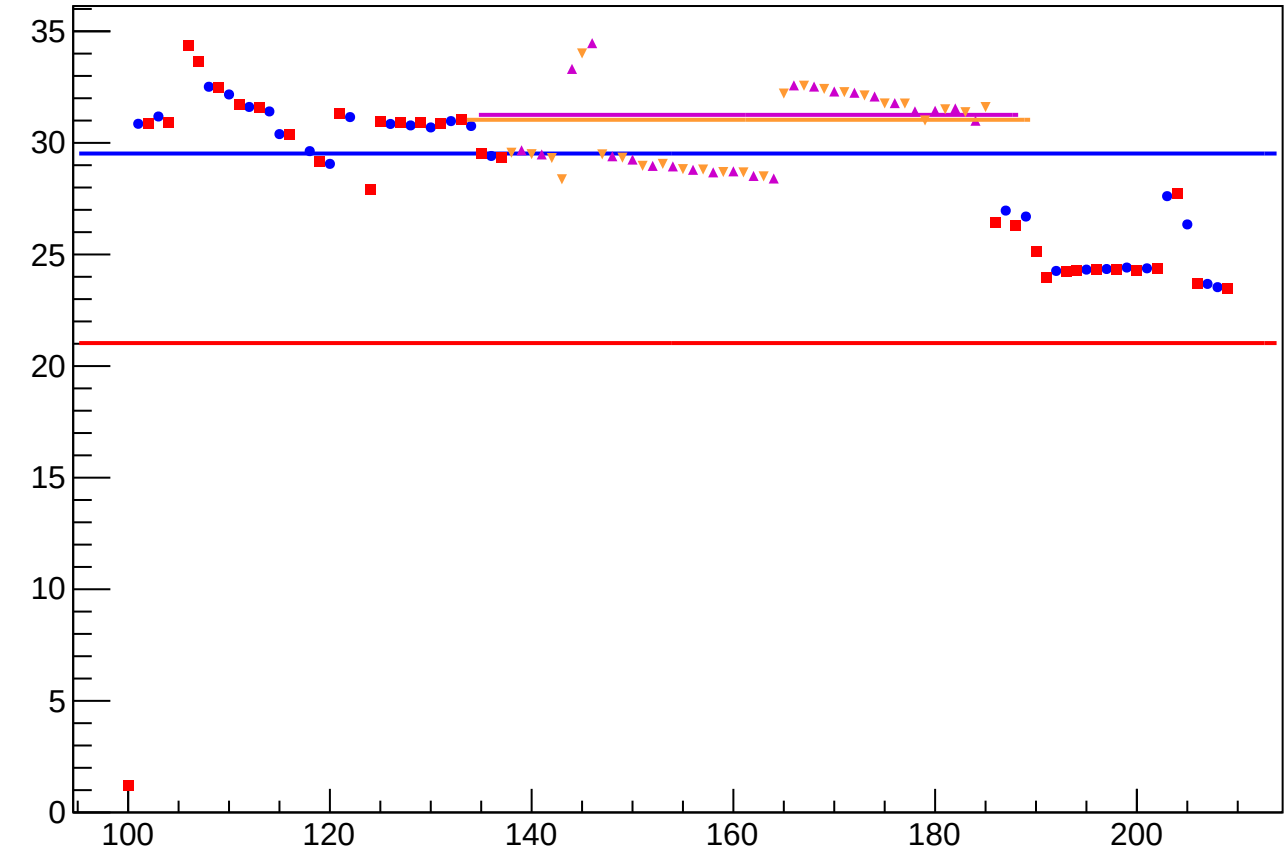
Right Out: 0.186+/-0.000 χ^2/NDF: 6354530.4/31

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.118+/-0.000 χ^2/NDF: 9559068.9/51

All: 0.121+/-0.000 χ^2/NDF: 20476828.0/106

- sign 0.124+/-0.000 χ^2/NDF: 10854515.5/54



Right In: 29.523+/-0.000 χ^2/NDF: 5518051395.6/26

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.030+/-0.000 χ^2/NDF: 226000818402.9/31

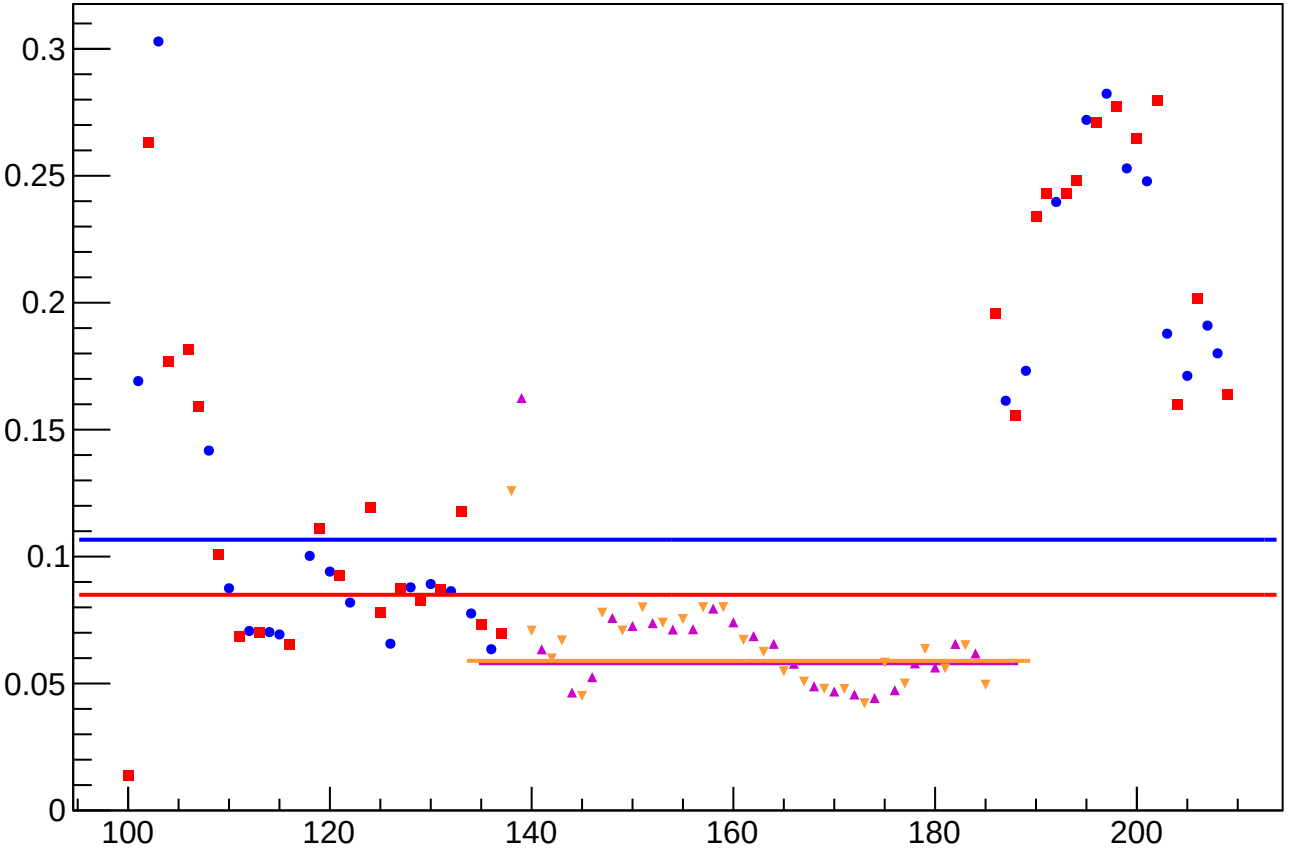
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.758+/-0.000 χ^2/NDF: 19210689178.4/51

All: 29.762+/-0.000 χ^2/NDF: 371650690468.

- sign 28.800+/-0.000 χ^2/NDF: 342212907525.7/54

yield_sam3_rms vs Slug



Right In: 0.107+/-0.000 χ^2/NDF: 6437083.9/26

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.085+/-0.000 χ^2/NDF: 12330878.8/31

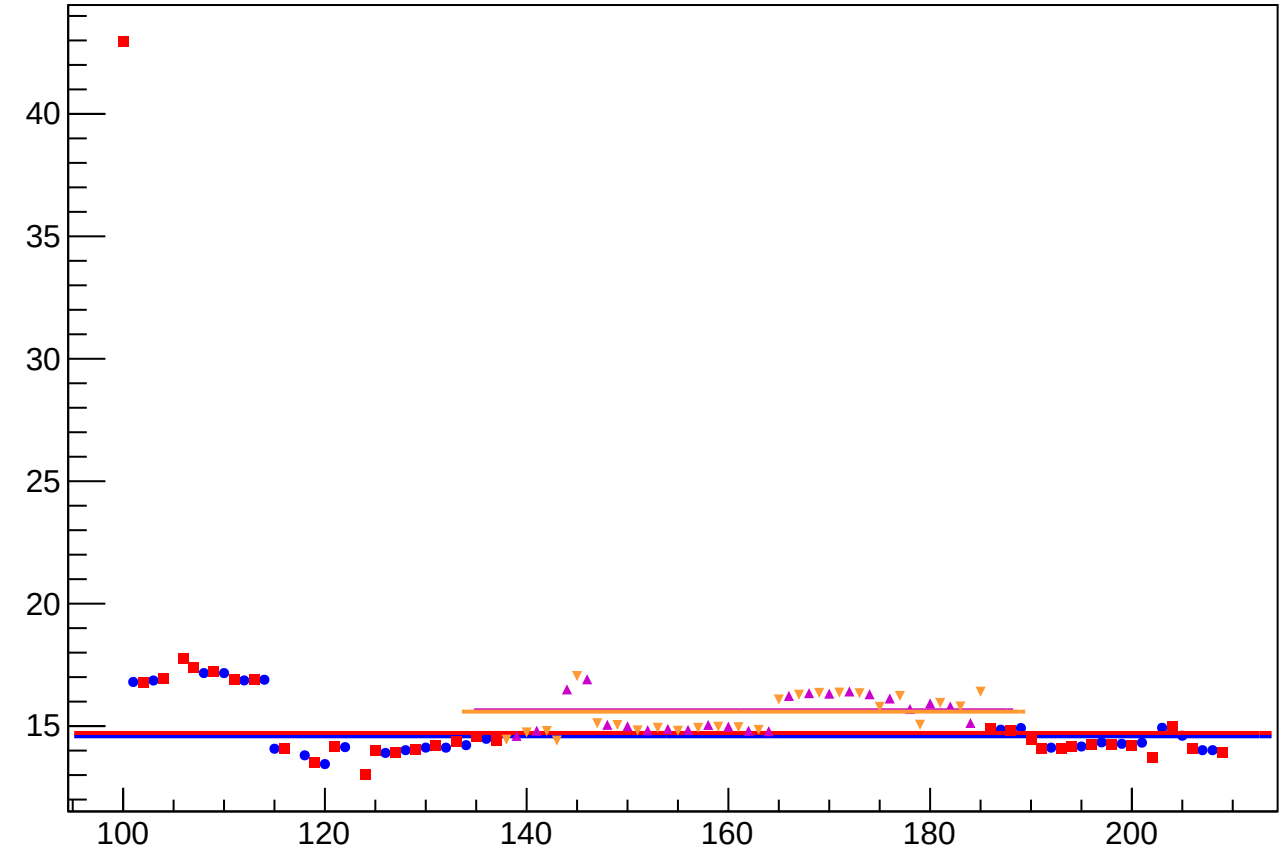
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.068+/-0.000 χ^2/NDF: 11548793.6/51

All: 0.066+/-0.000 χ^2/NDF: 27093377.9/106

- sign 0.064+/-0.000 χ^2/NDF: 15488925.6/54

yield_sam4_mean vs Slug



Right In: 14.584+/-0.000 χ^2/NDF: 1237401326.8/26

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.720+/-0.000 χ^2/NDF: 1845649040.1/31

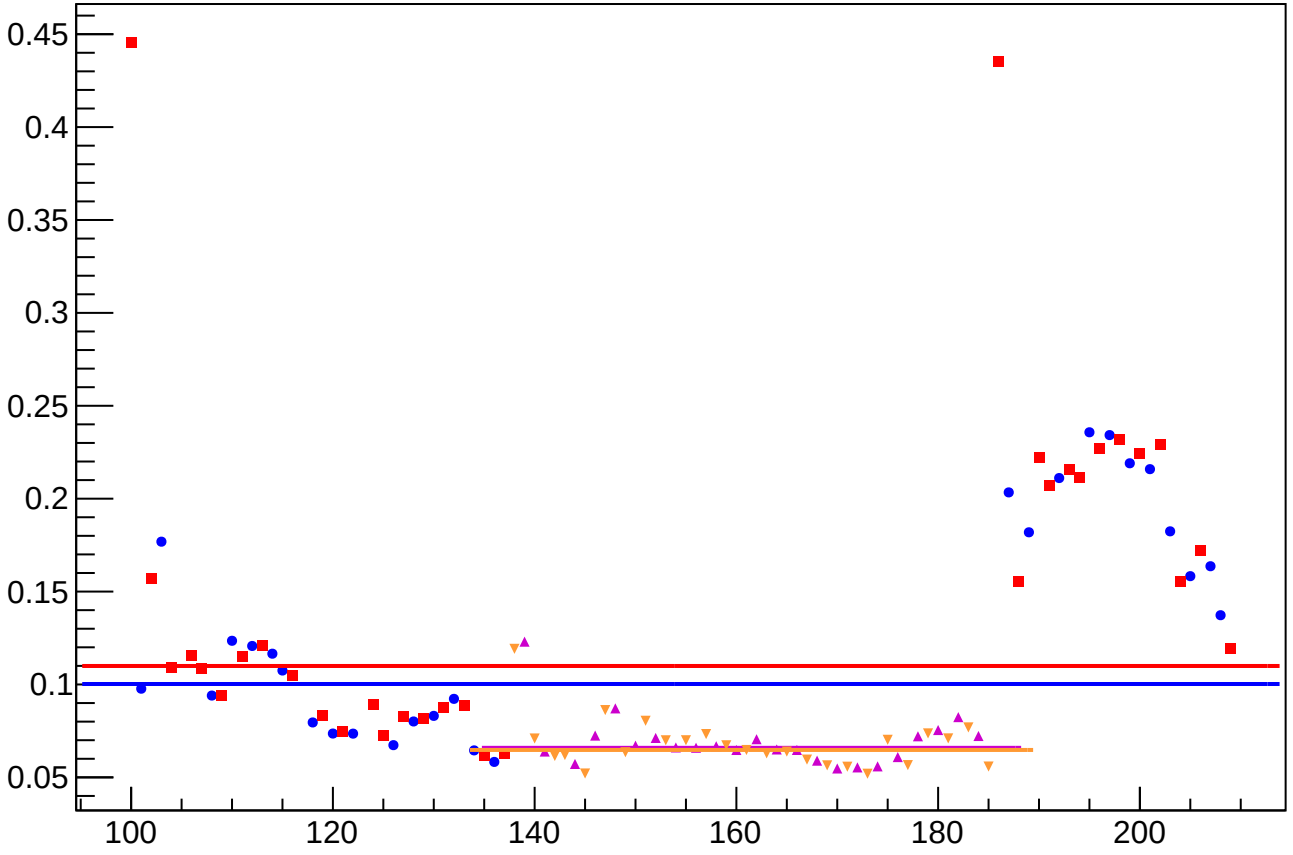
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.358+/-0.000 χ^2/NDF: 4412743361.8/51

All: 15.391+/-0.000 χ^2/NDF: 8847359063.5/1

- sign 15.428+/-0.000 χ^2/NDF: 4422806448.6/54

yield_sam4_rms vs Slug



Right In: 0.100+/-0.000 χ^2/NDF: 5568173.5/26

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.110+/-0.000 χ^2/NDF: 5545758.8/31

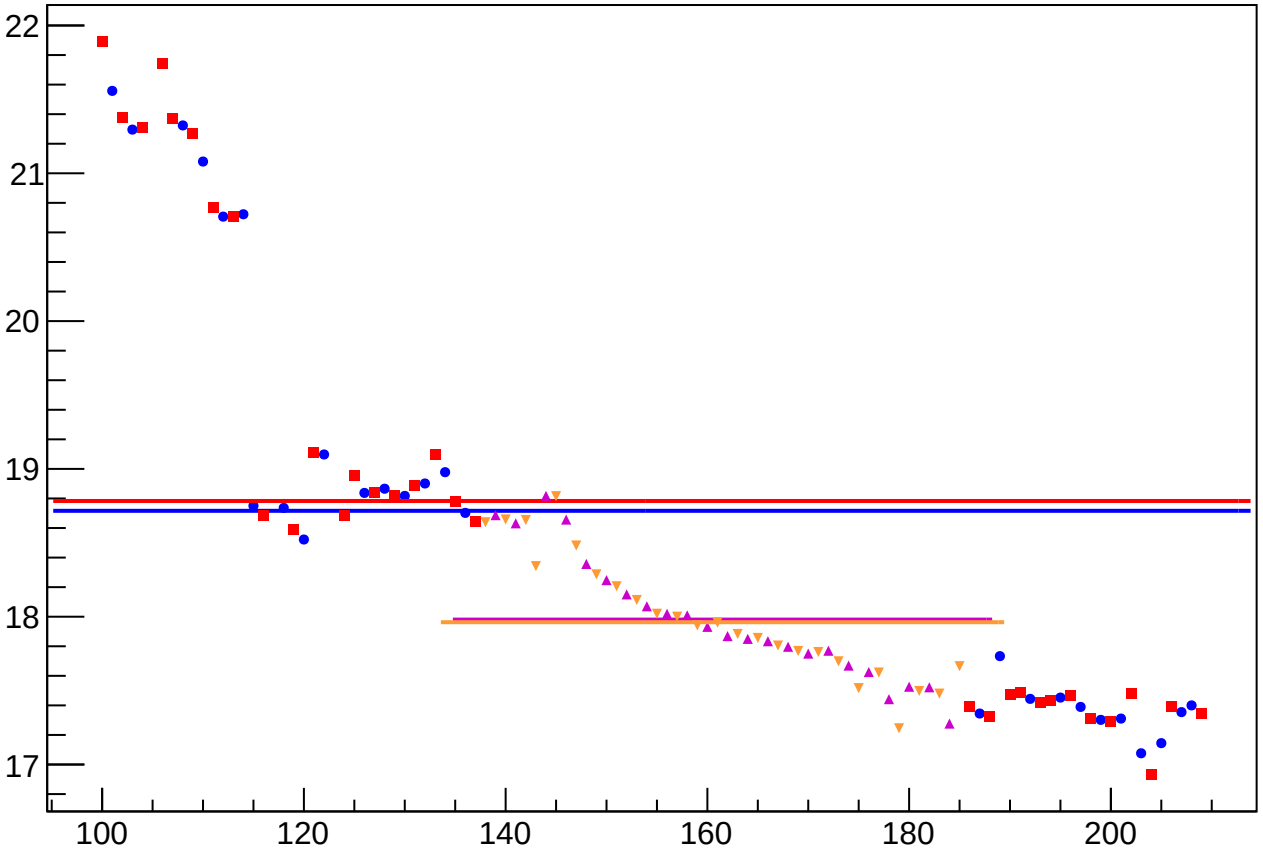
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 8704534.4/51

All: 0.075+/-0.000 χ^2/NDF: 18353276.3/106

- sign 0.076+/-0.000 χ^2/NDF: 9596813.9/54

yield_sam5_mean vs Slug



Right In: 18.716+/-0.000 χ^2/NDF: 33291816251.4/26

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.783+/-0.000 χ^2/NDF: 36266349143.1/31

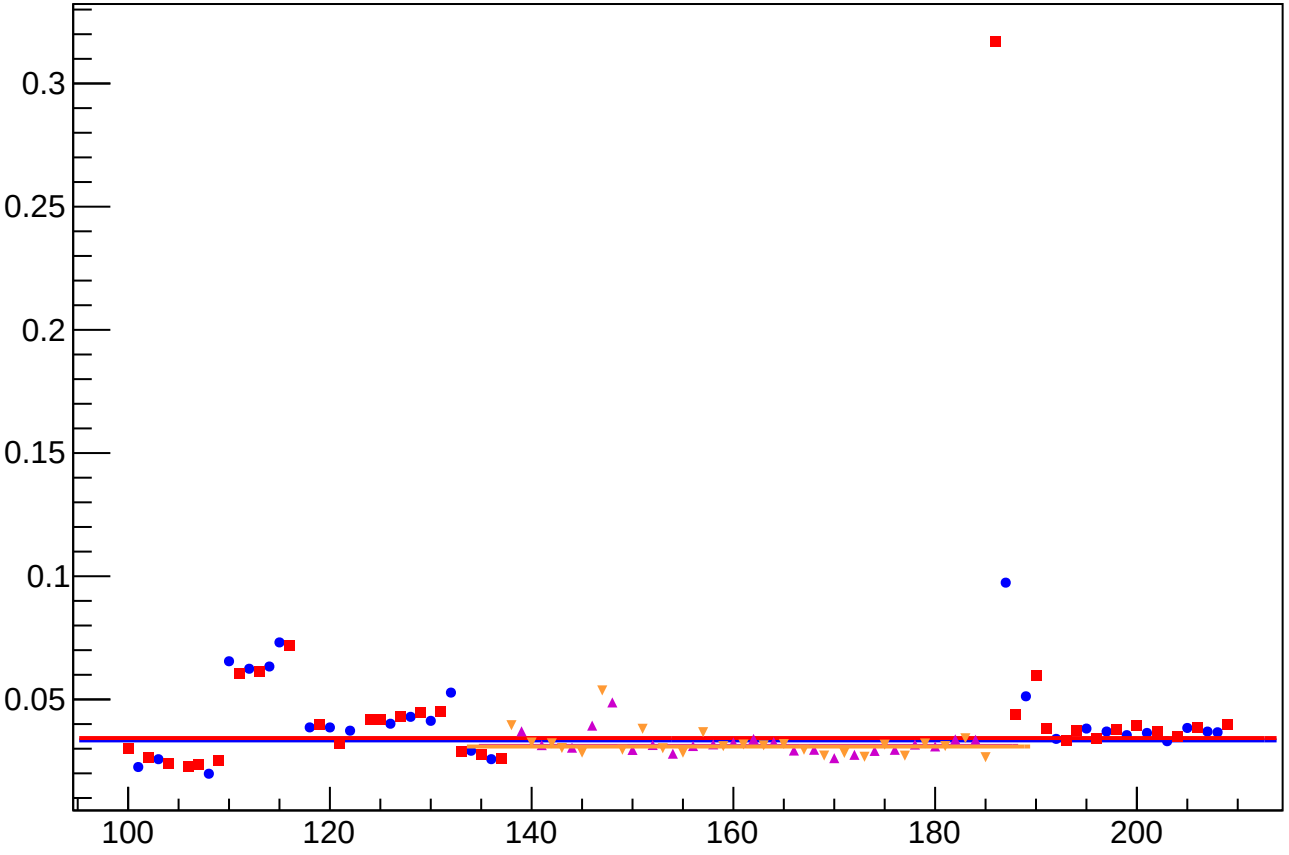
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.260+/-0.000 χ^2/NDF: 40636343004.0/51

All: 18.288+/-0.000 χ^2/NDF: 84478073198.5

- sign 18.316+/-0.000 χ^2/NDF: 43794026155.4/54

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 1963413.6/26

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

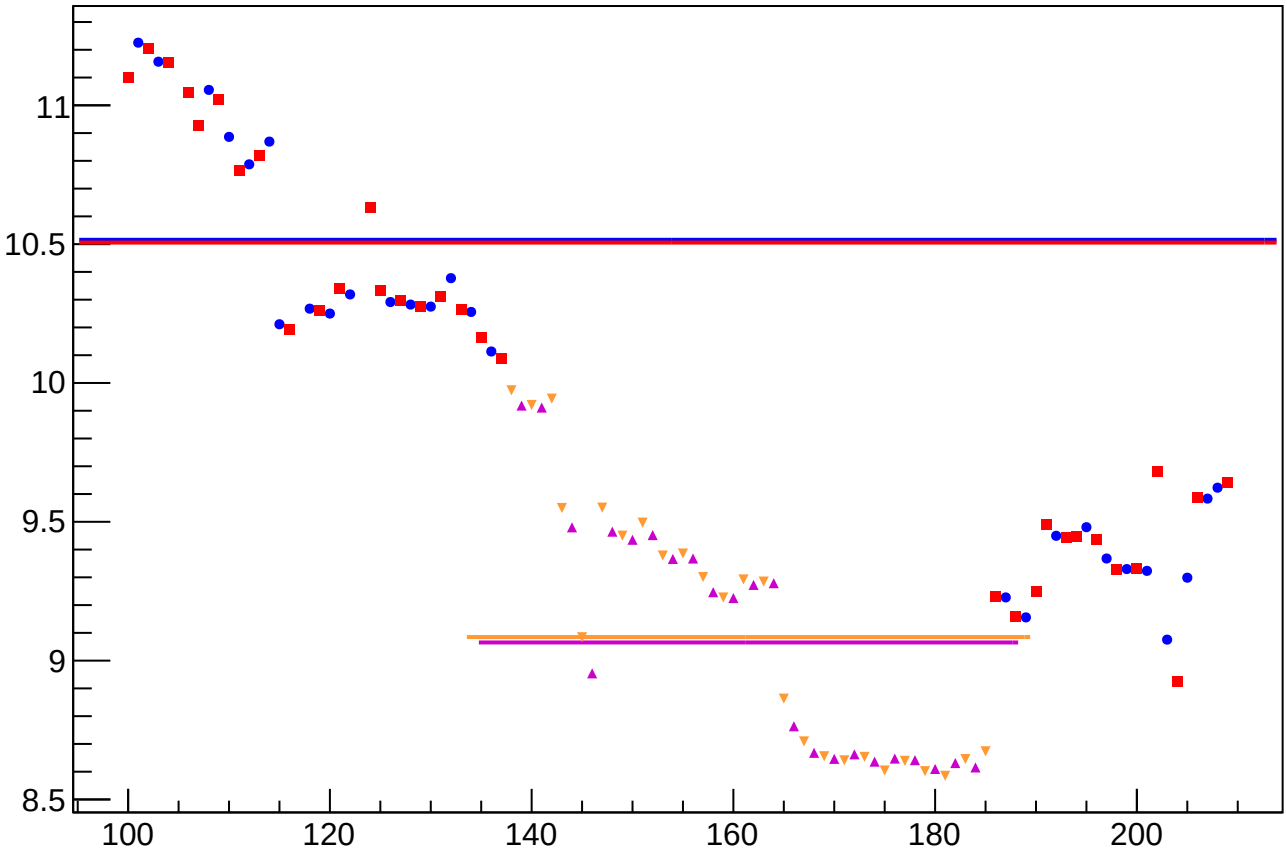
Right Out: 0.034+/-0.000 χ^2/NDF: 2296547.4/31

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2690343.3/51

All: 0.032+/-0.000 χ^2/NDF: 5632733.3/106

- sign 0.032+/-0.000 χ^2/NDF: 2931234.2/54



Right In: 10.516+/-0.000 χ^2/NDF: 14099437502.7/26

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.506+/-0.000 χ^2/NDF: 13130748198.2/31

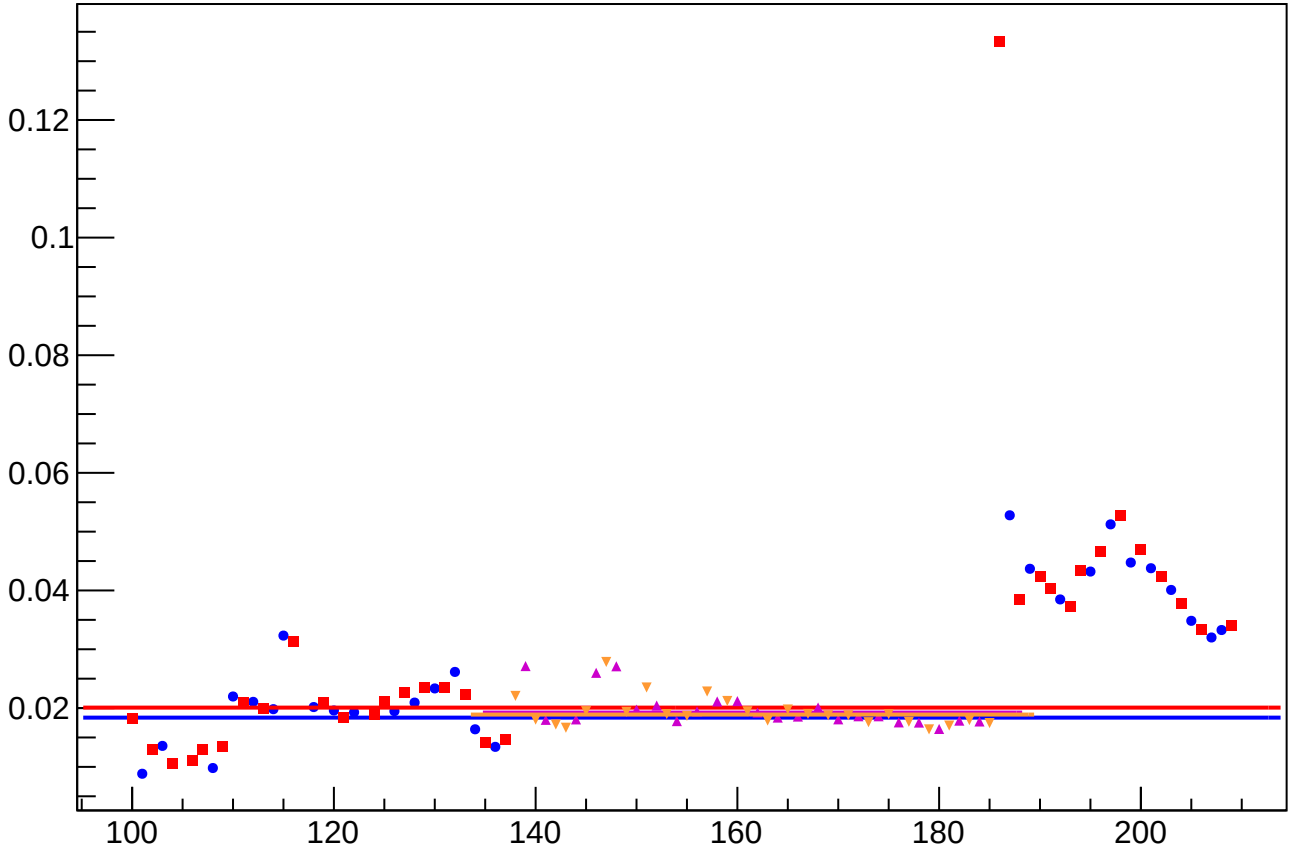
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.659+/-0.000 χ^2/NDF: 64781550324.7/51

All: 9.658+/-0.000 χ^2/NDF: 124152785023.5

- sign 9.657+/-0.000 χ^2/NDF: 59371118881.9/54

yield_sam6_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 7294451.9/26

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7420637.2/31

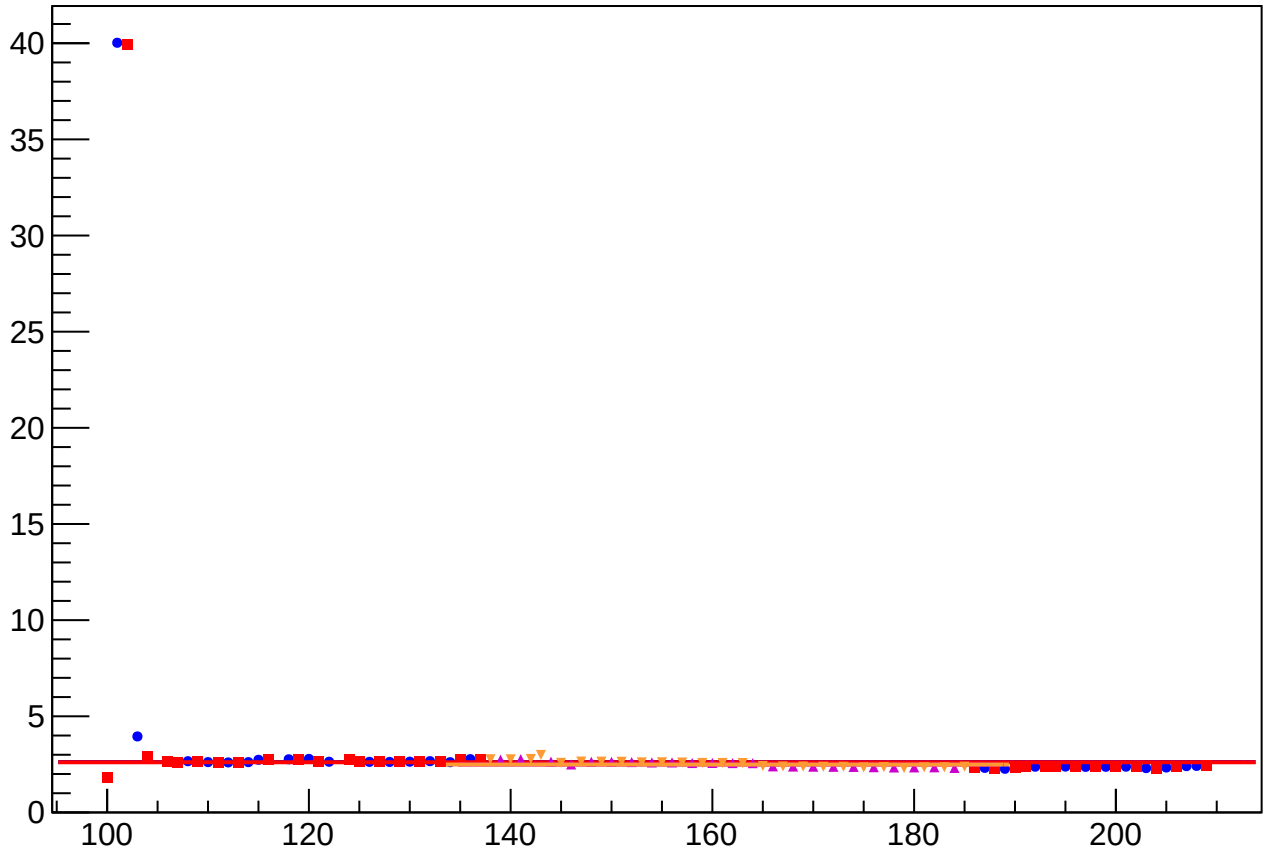
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 7746474.2/51

All: 0.019+/-0.000 χ^2/NDF: 15797495.5/106

- sign 0.020+/-0.000 χ^2/NDF: 7987932.2/54

yield_sam7_mean vs Slug



Right In: 2.623+/-0.000 χ^2/NDF: 85876376595.8/26

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.611+/-0.000 χ^2/NDF: 84573015229.7/31

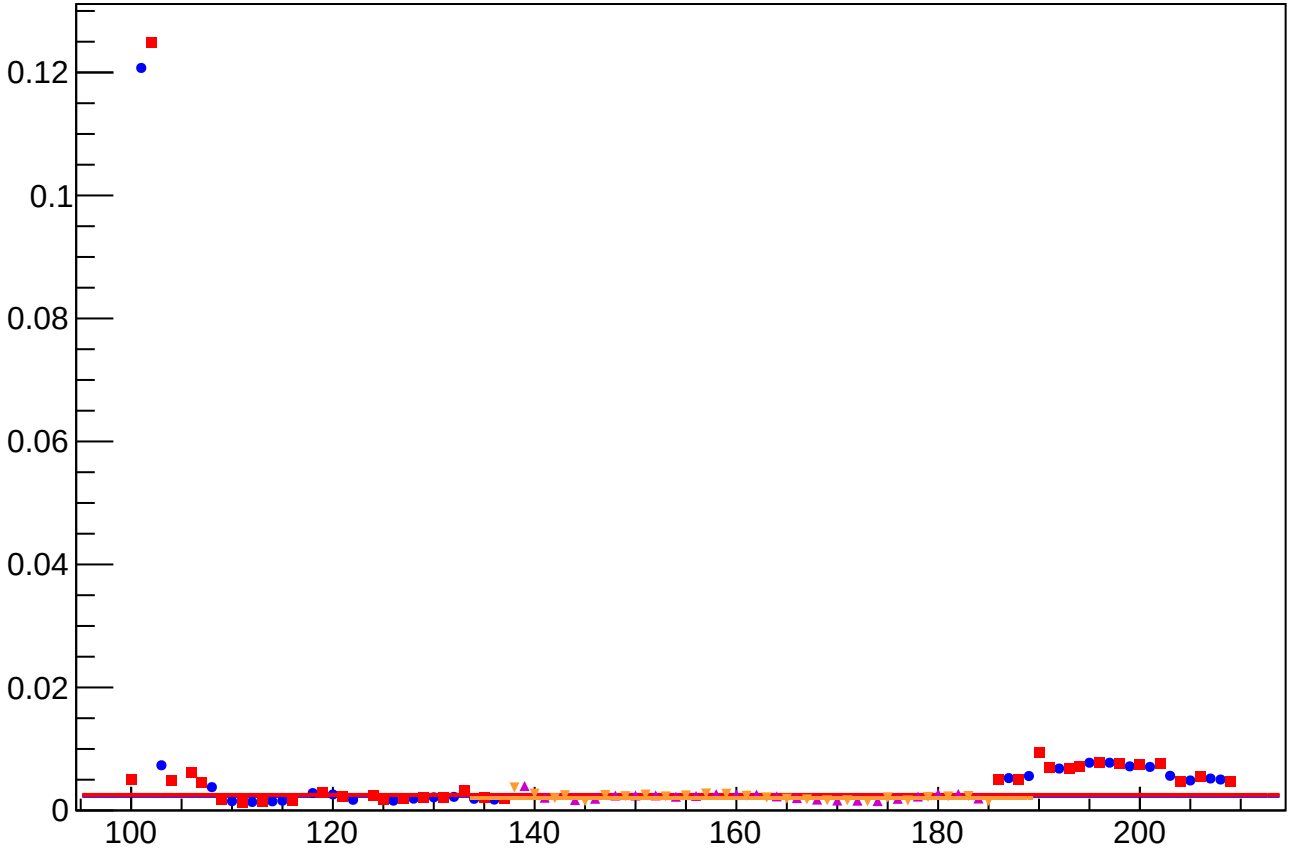
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.532+/-0.000 χ^2/NDF: 198315877638.4/51

All: 2.530+/-0.000 χ^2/NDF: 360816098147.9

- sign 2.528+/-0.000 χ^2/NDF: 162470602964.7/54

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9007528.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10416841.9/31

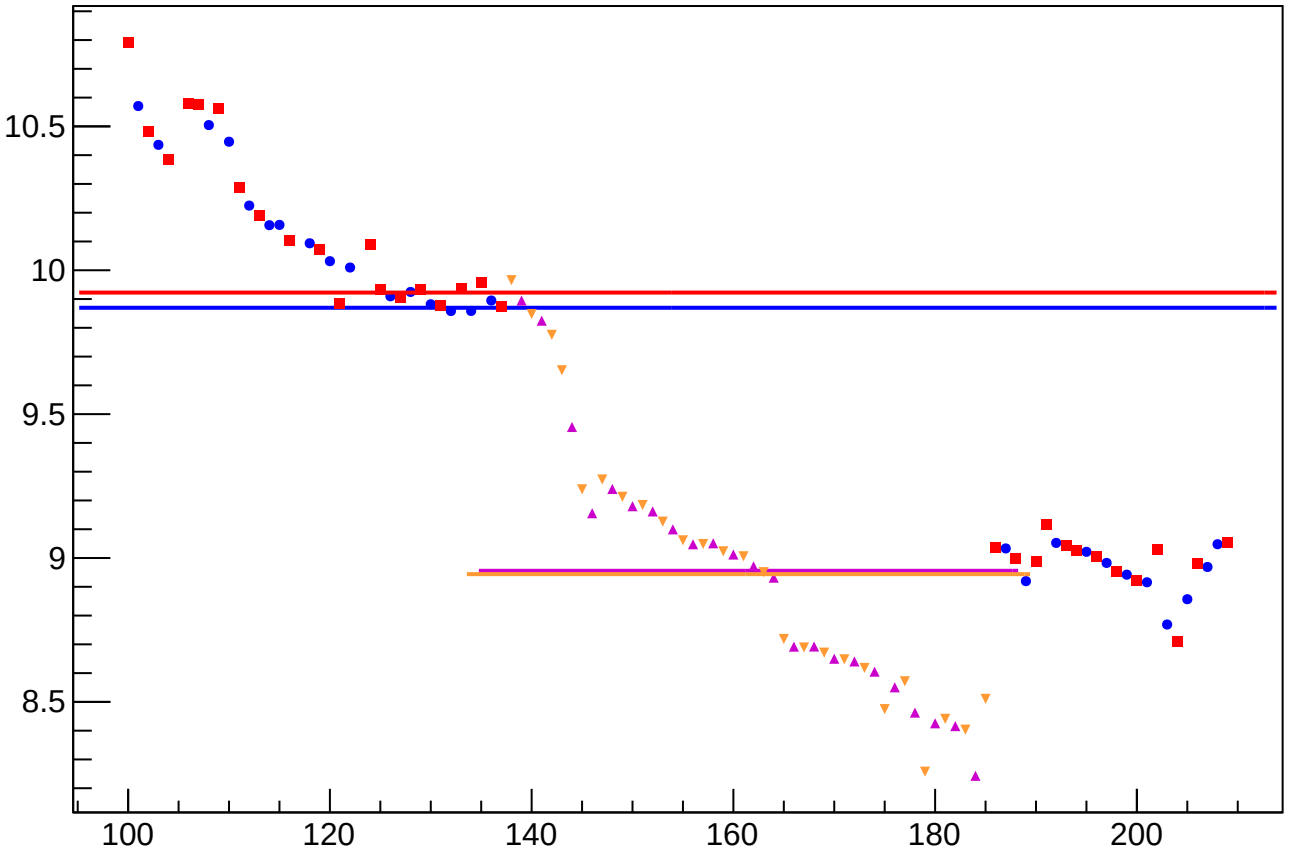
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 10852279.9/51

All: 0.002+/-0.000 χ^2/NDF: 23181562.5/106

- sign 0.002+/-0.000 χ^2/NDF: 12292740.5/54

yield_sam8_mean vs Slug



Right In: 9.870+/-0.000 χ^2/NDF: 61887390220.1/26

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.922+/-0.000 χ^2/NDF: 67587849163.2/31

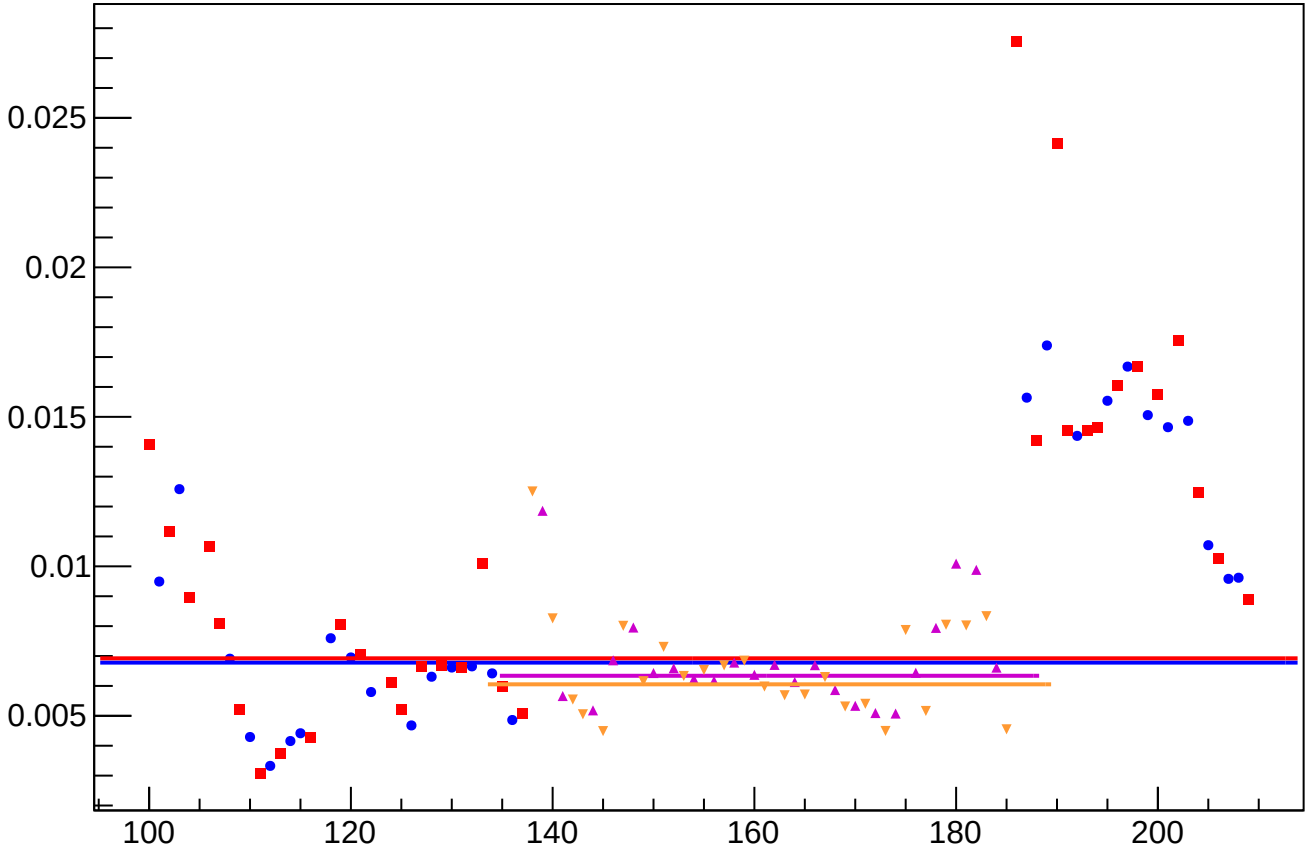
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.286+/-0.000 χ^2/NDF: 259469457201.5/51

All: 9.316+/-0.000 χ^2/NDF: 517683057377.4

- sign 9.349+/-0.000 χ^2/NDF: 256931970181.6/54

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6253357.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8038505.7/31

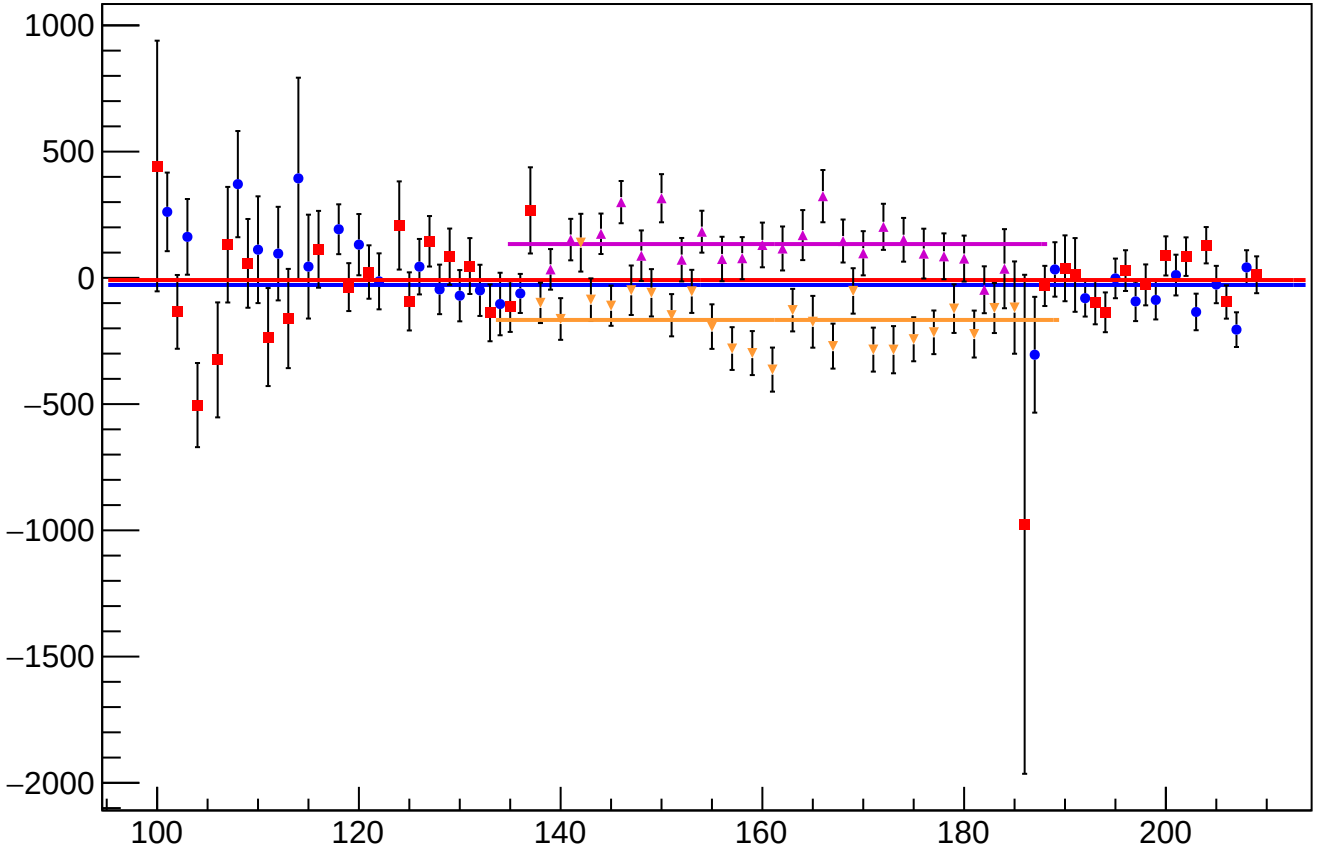
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 7876492.0/51

All: 0.006+/-0.000 χ^2/NDF: 17232183.3/106

- sign 0.007+/-0.000 χ^2/NDF: 9314271.7/54

reg_asym_sam1_mean vs Slug



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -8.609+/-18.721 χ^2/NDF: 39.7/31

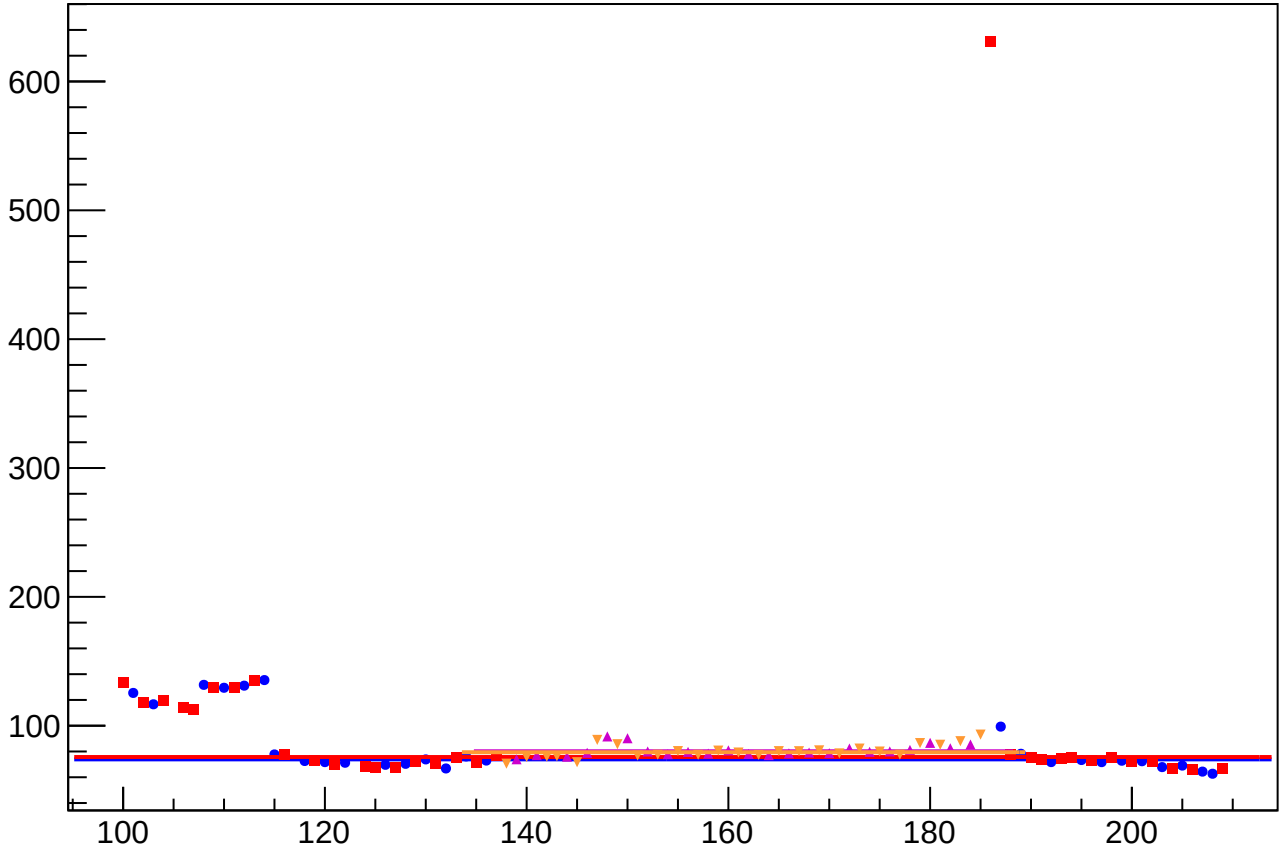
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -100.518+/-13.067 χ^2/NDF: 92.3/51

All: -20.153+/-9.304 χ^2/NDF: 258.3/106

- sign 62.485+/-13.250 χ^2/NDF: 89.3/54

reg_asym_sam1_rms vs Slug



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.5/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

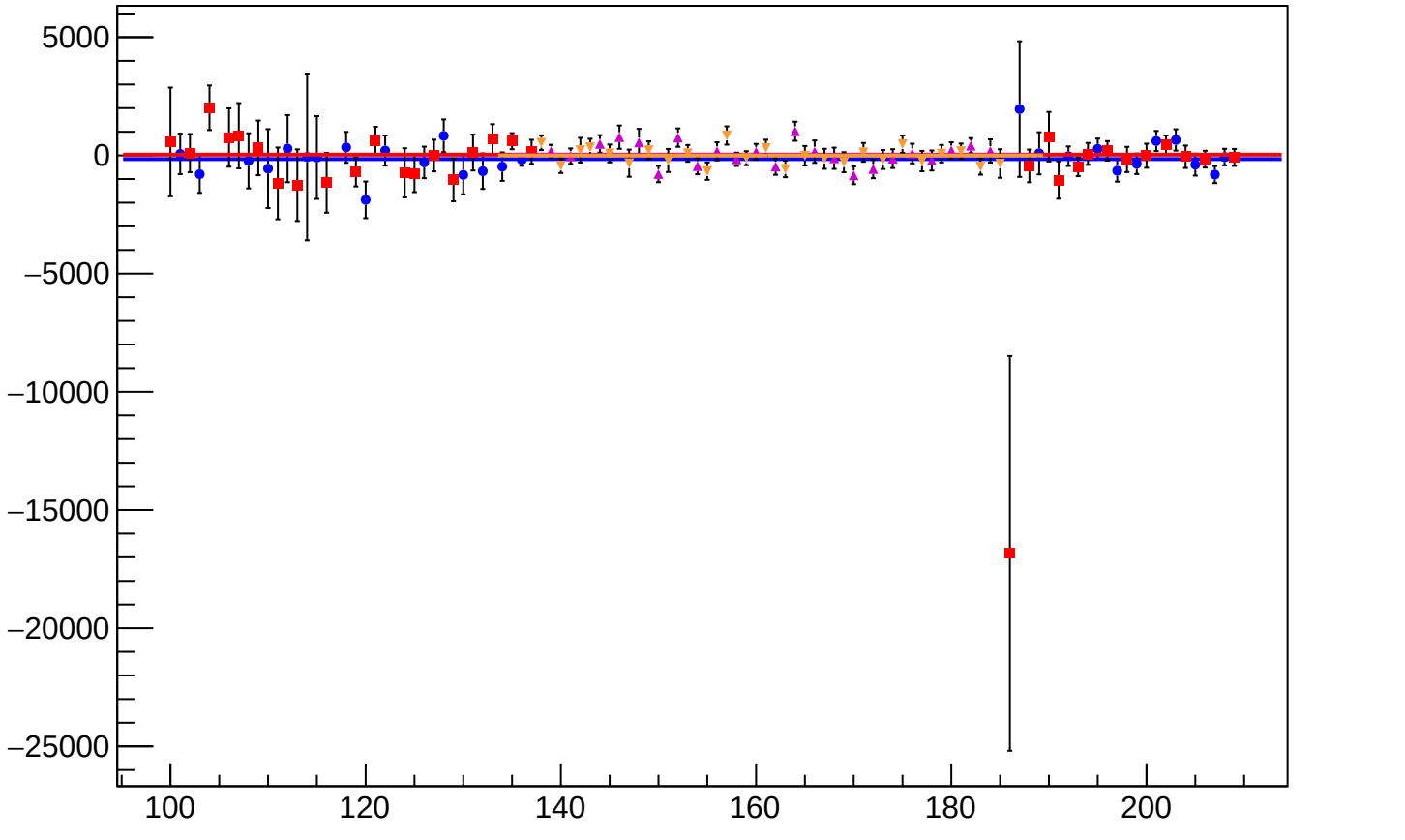
Right Out: 75.689+/-0.013 χ^2/NDF: 1758324.5/31

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.770+/-0.009 χ^2/NDF: 1298967.5/51

All: 77.337+/-0.007 χ^2/NDF: 3213339.0/106

- sign 77.920+/-0.009 χ^2/NDF: 1906729.0/54



Right In: -155.453+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 31.132+/-105.700 χ^2/NDF: 27.1/31

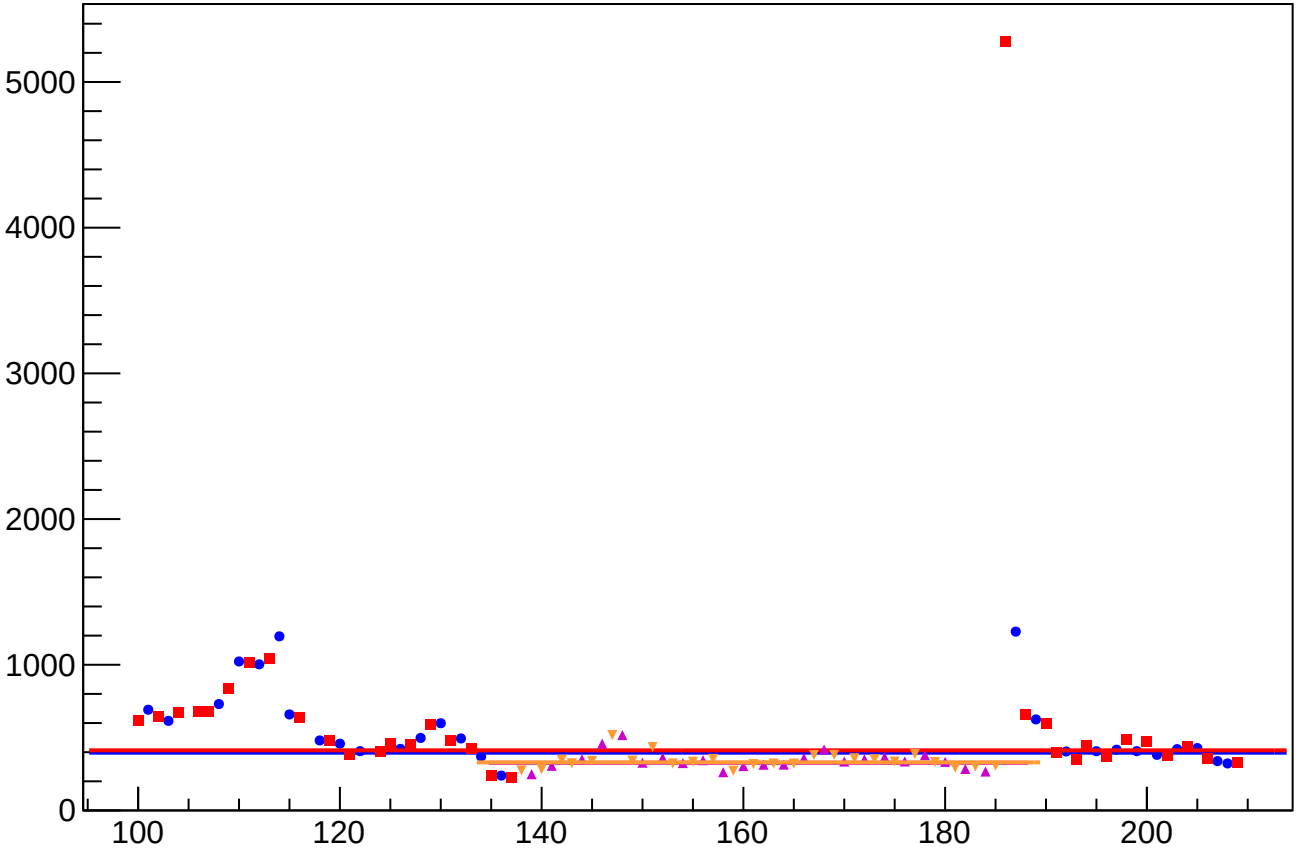
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -55.576+/-61.499 χ^2/NDF: 48.6/51

All: -16.720+/-43.843 χ^2/NDF: 111.6/106

\- sign 23.438+/-62.521 χ^2/NDF: 62.2/54

asym_sam1_reg_correction_rms vs Slug



Right In: 396.674+/-0.074 χ^2/NDF: 2826354.6/26

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 412.639+/-0.075 χ^2/NDF: 3715270.7/31

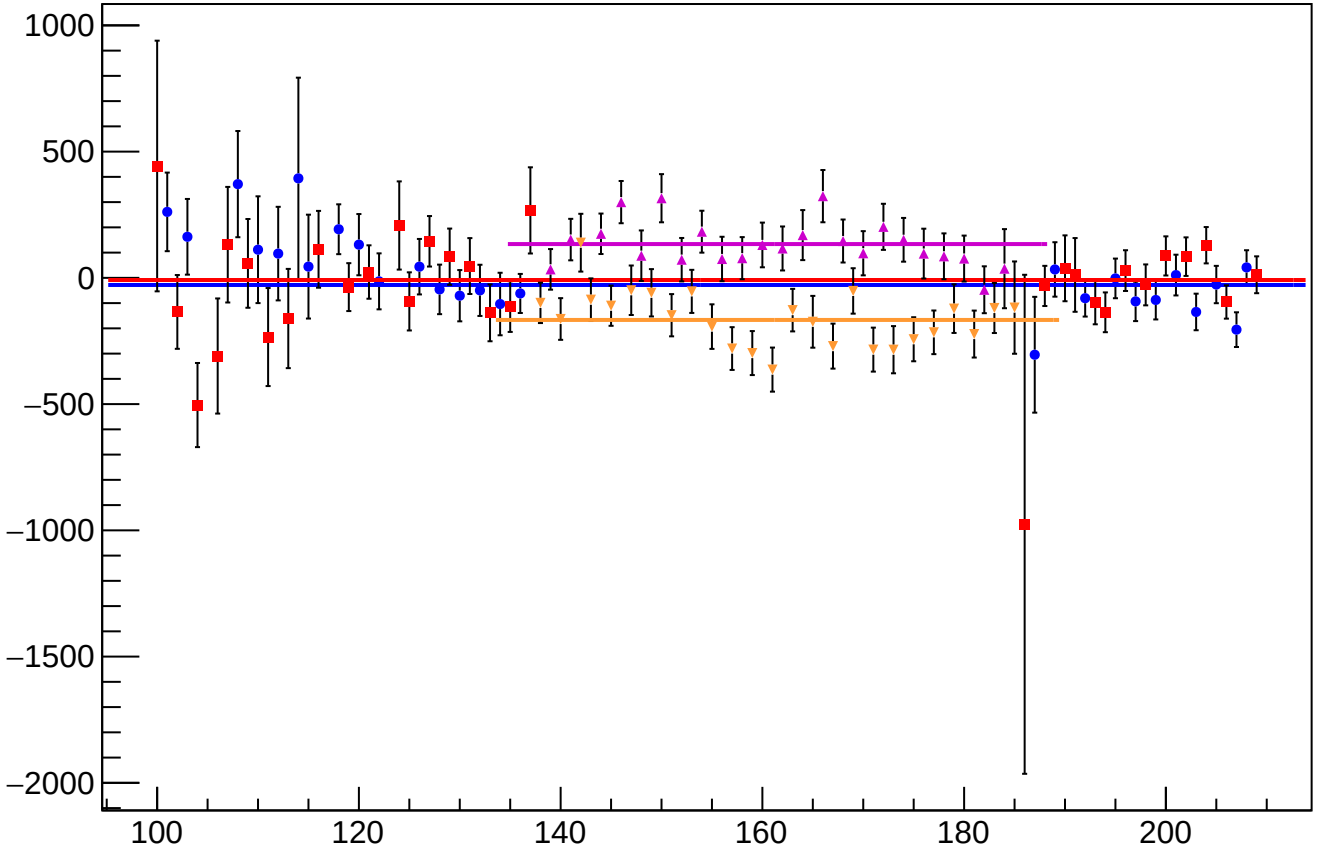
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 352.836+/-0.043 χ^2/NDF: 4015721.4/51

All: 354.854+/-0.031 χ^2/NDF: 9488959.2/106

- sign 356.939+/-0.044 χ^2/NDF: 5468862.0/54

cor_asym_sam1_mean vs Slug



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -8.499+/-18.721 χ^2/NDF: 39.5/31

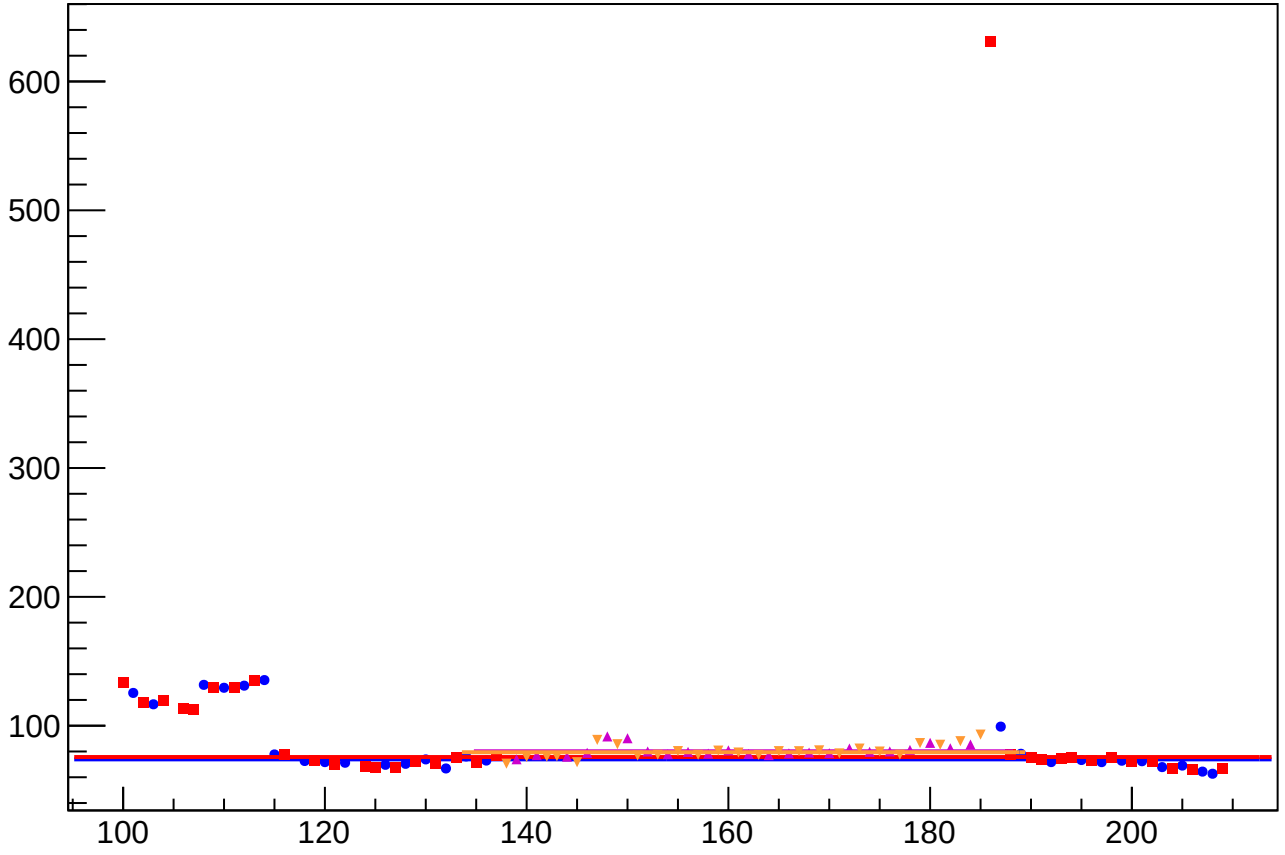
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -100.517+/-13.067 χ^2/NDF: 92.3/51

All: -20.124+/-9.304 χ^2/NDF: 258.2/106

- sign 62.545+/-13.250 χ^2/NDF: 89.1/54

cor_asym_sam1_rms vs Slug



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.683+/-0.013 χ^2/NDF: 1756055.6/31

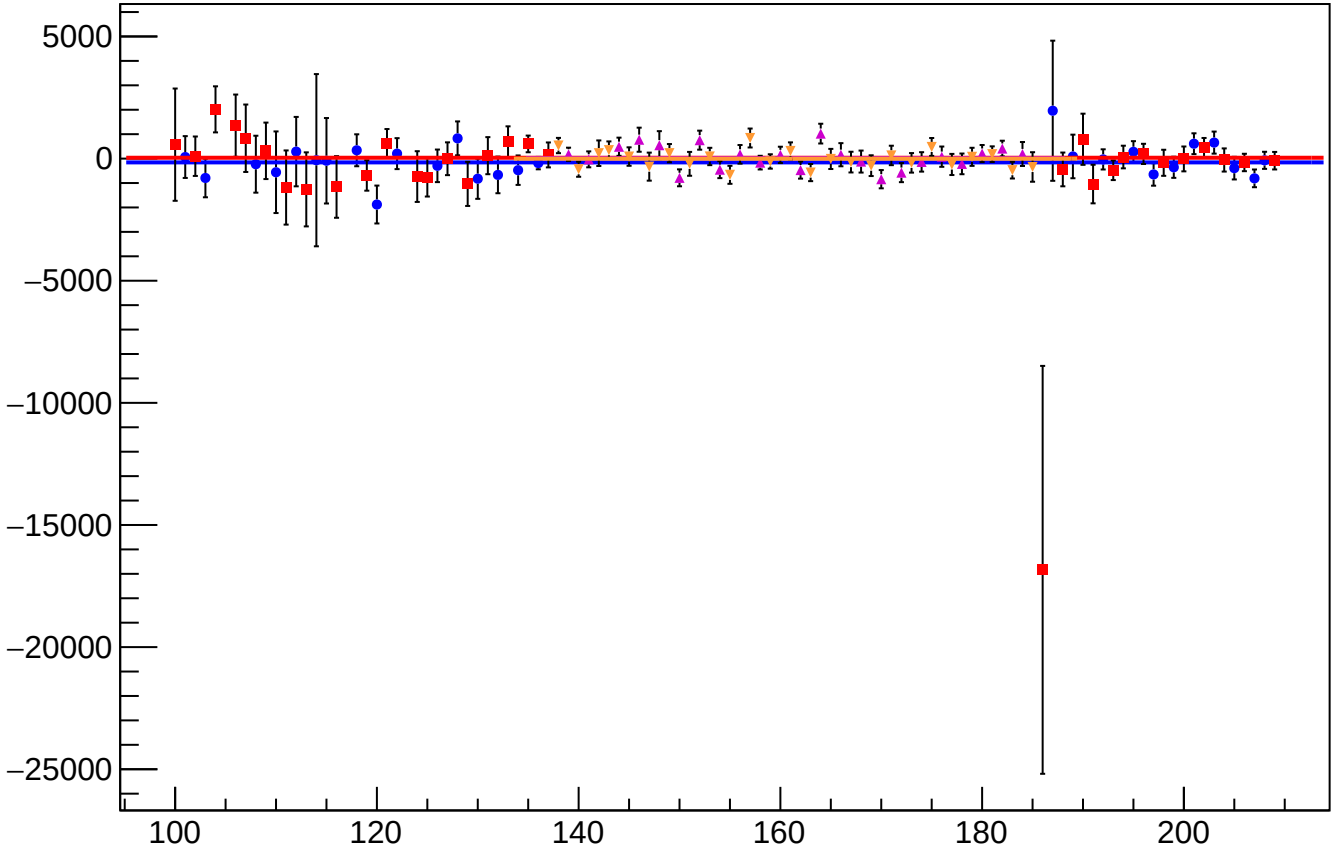
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.770+/-0.009 χ^2/NDF: 1298967.8/51

All: 77.336+/-0.007 χ^2/NDF: 3211175.6/106

- sign 77.918+/-0.009 χ^2/NDF: 1904602.2/54

asym_sam1_cor_correction_mean vs Slug



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 34.891+/-105.724 χ^2/NDF: 27.8/31

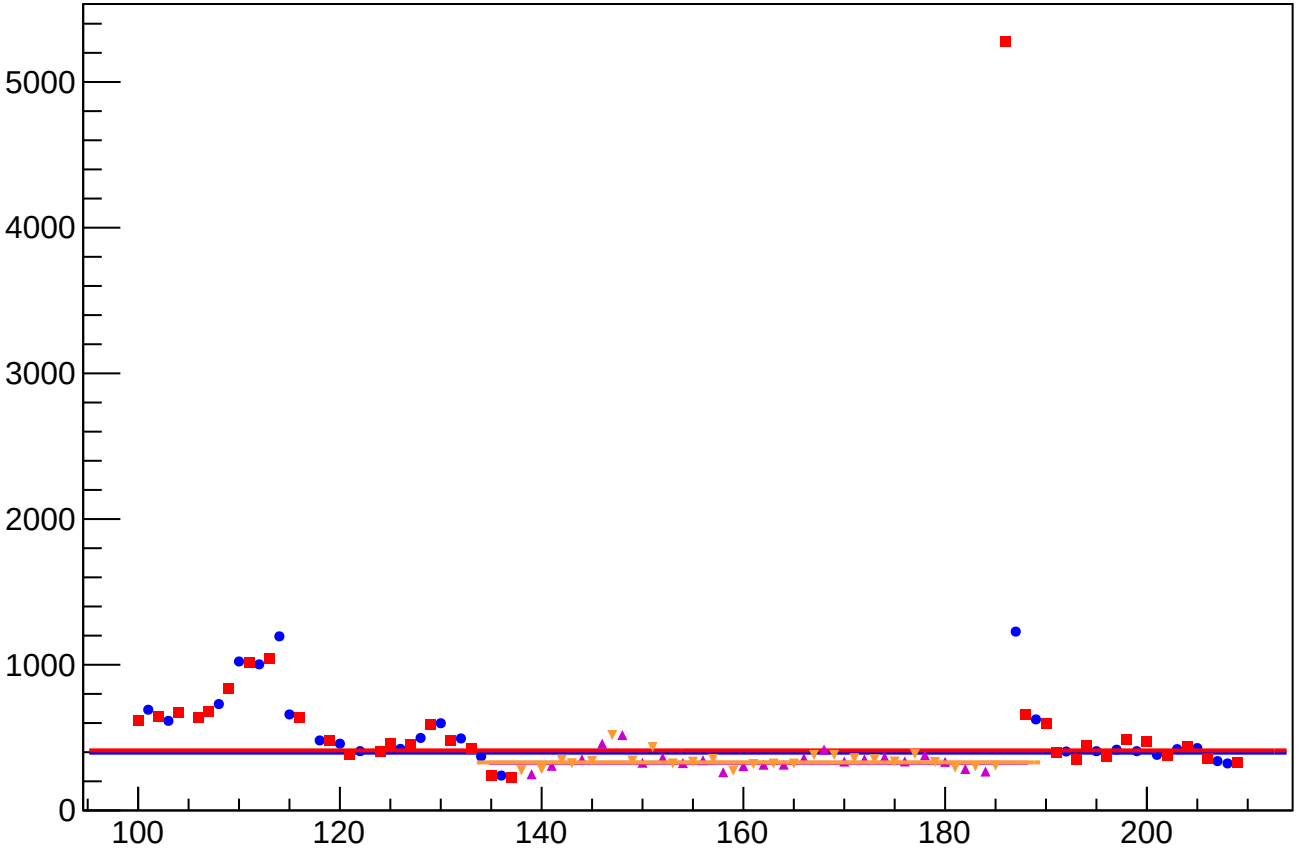
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -55.577+/-61.499 χ^2/NDF: 48.6/51

All: -16.076+/-43.845 χ^2/NDF: 112.4/106

- sign 24.757+/-62.526 χ^2/NDF: 62.9/54

asym_sam1_cor_correction_rms vs Slug



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.252+/-0.075 χ^2/NDF: 3685713.4/31

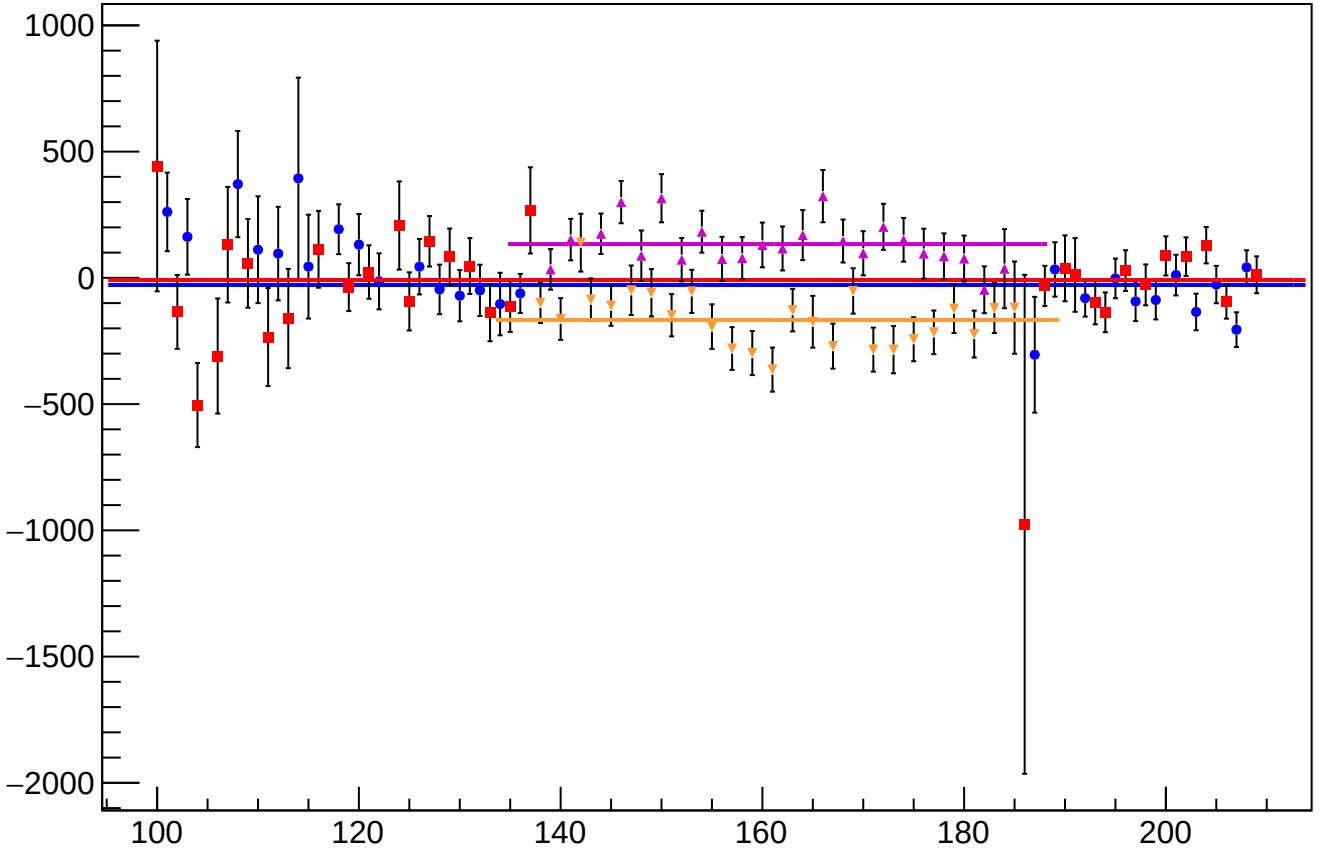
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 352.836+/-0.043 χ^2/NDF: 4015729.6/51

All: 354.783+/-0.031 χ^2/NDF: 9451159.8/106

- sign 356.794+/-0.044 χ^2/NDF: 5431356.6/54

eigen_cor_asym_sam1_mean vs Slug



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -8.499+/-18.721 χ^2/NDF: 39.5/31

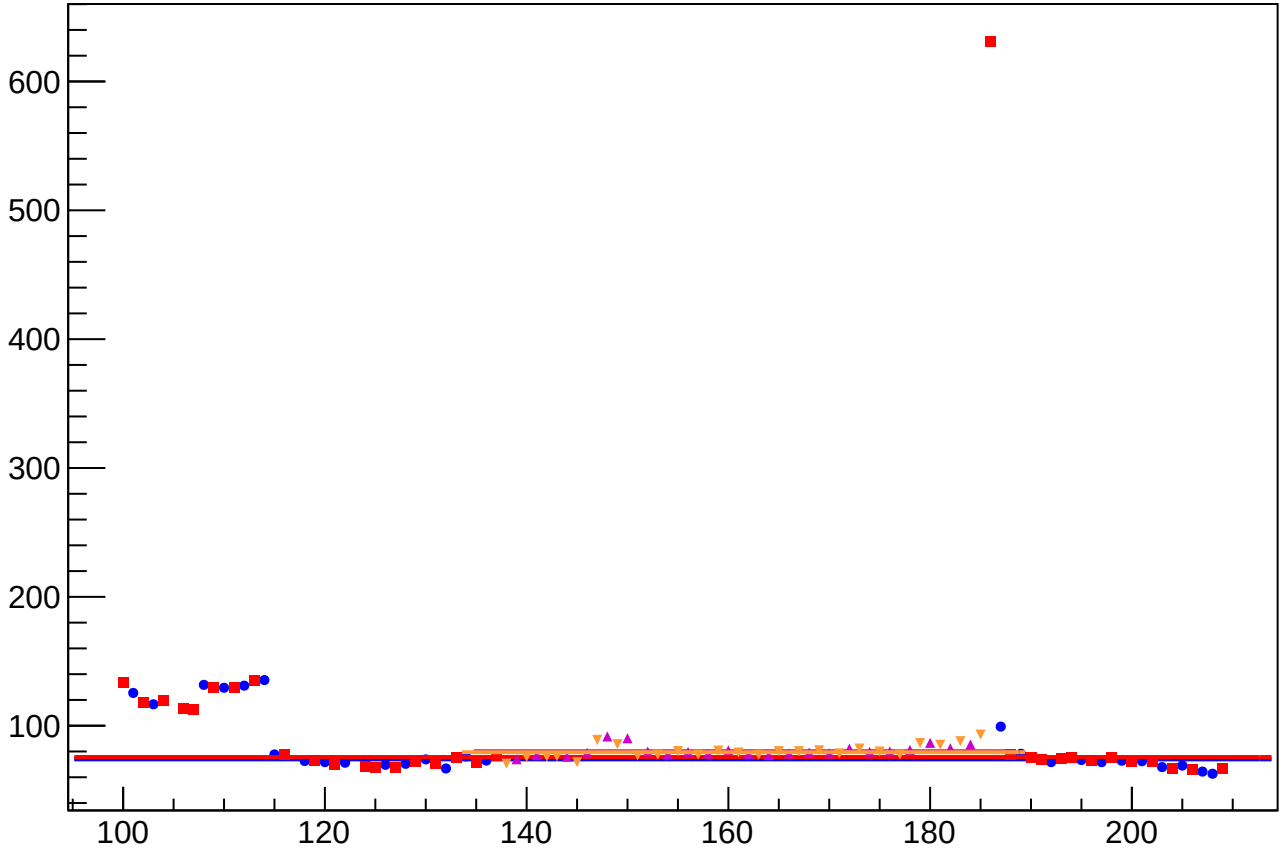
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -100.517+/-13.067 χ^2/NDF: 92.3/51

All: -20.124+/-9.304 χ^2/NDF: 258.2/106

- sign 62.545+/-13.250 χ^2/NDF: 89.1/54

eigen_cor_asym_sam1_rms vs Slug



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

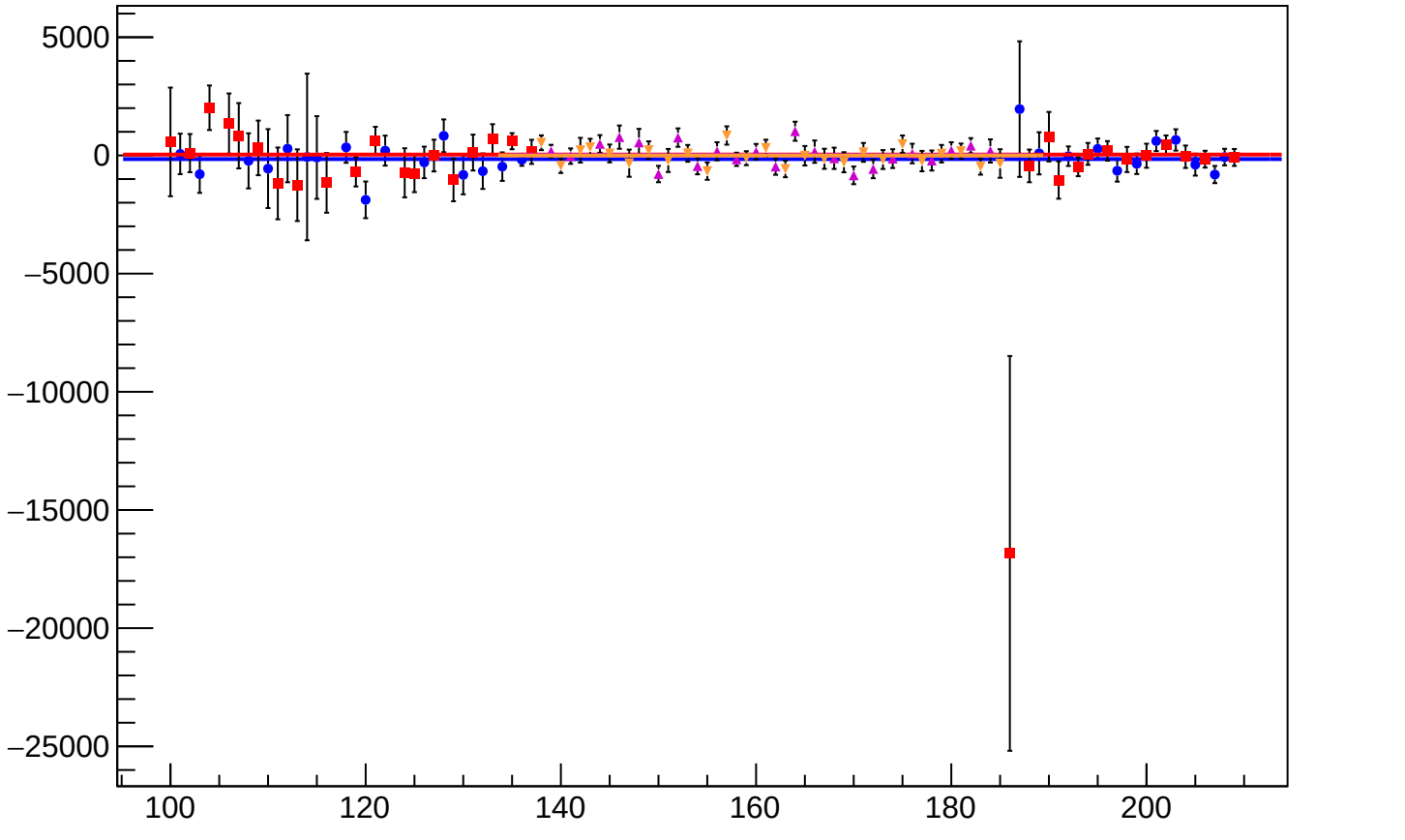
Right Out: 75.683+/-0.013 χ^2/NDF: 1756055.6/31

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 76.770+/-0.009 χ^2/NDF: 1298967.8/51

All: 77.336+/-0.007 χ^2/NDF: 3211175.6/106

- sign 77.918+/-0.009 χ^2/NDF: 1904602.2/54



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 34.891+/-105.724 χ^2/NDF: 27.8/31

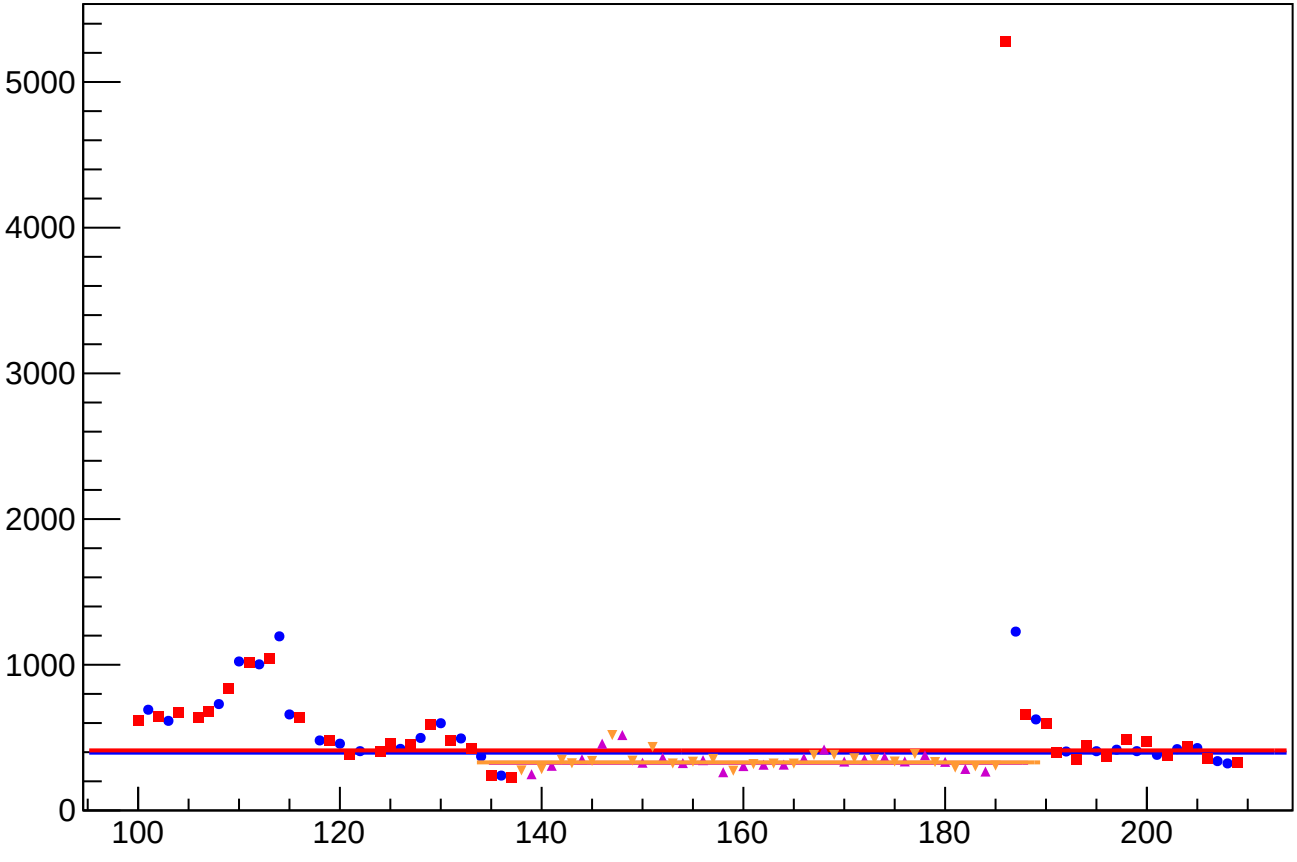
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -55.577+/-61.499 χ^2/NDF: 48.6/51

All: -16.076+/-43.845 χ^2/NDF: 112.4/106

\- sign 24.757+/-62.526 χ^2/NDF: 62.9/54

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.252+/-0.075 χ^2/NDF: 3685713.4/31

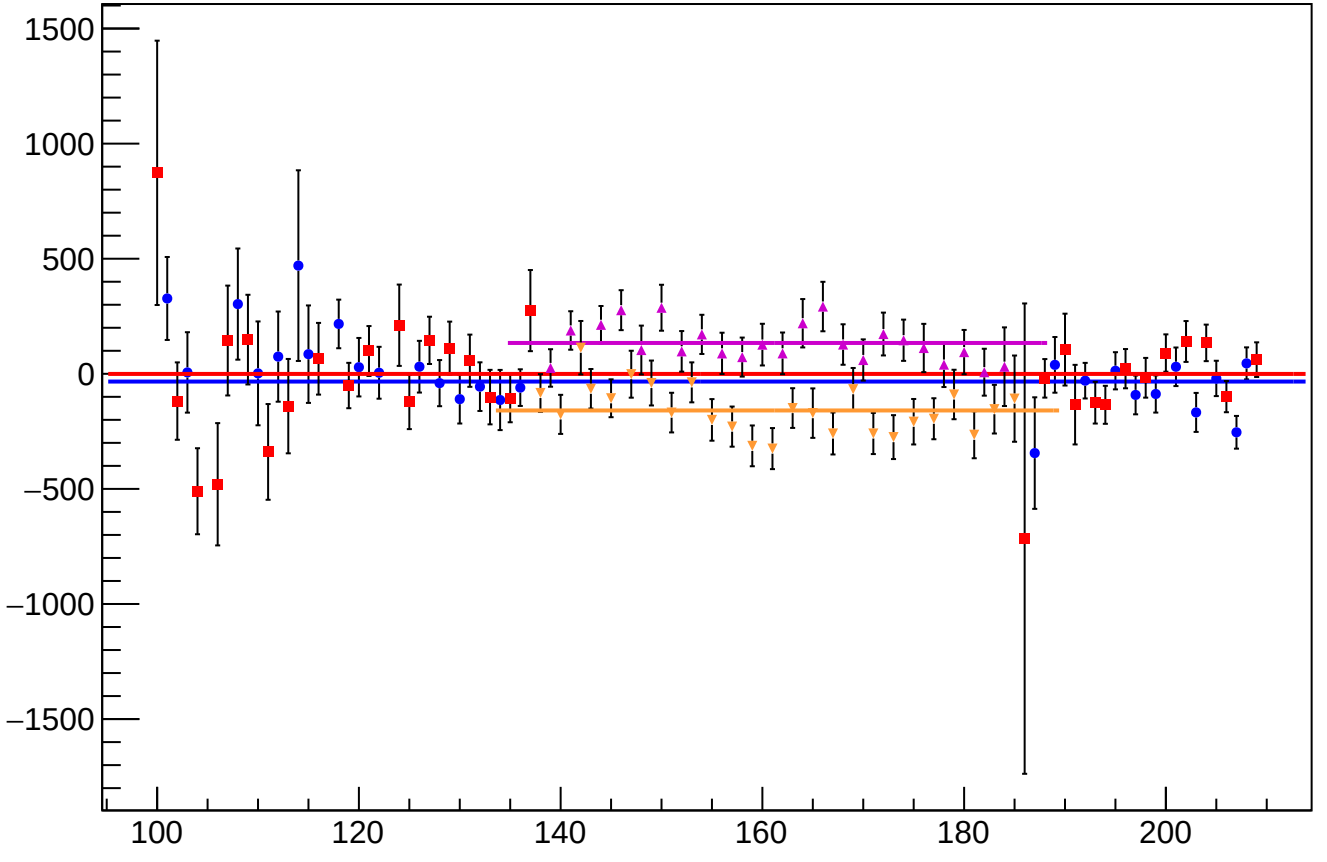
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 352.836+/-0.043 χ^2/NDF: 4015729.6/51

All: 354.783+/-0.031 χ^2/NDF: 9451159.8/106

- sign 356.794+/-0.044 χ^2/NDF: 5431356.6/54

dit_asym_sam1_mean vs Slug



Right In: -33.665+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -0.518+/-19.842 χ^2/NDF: 44.5/31

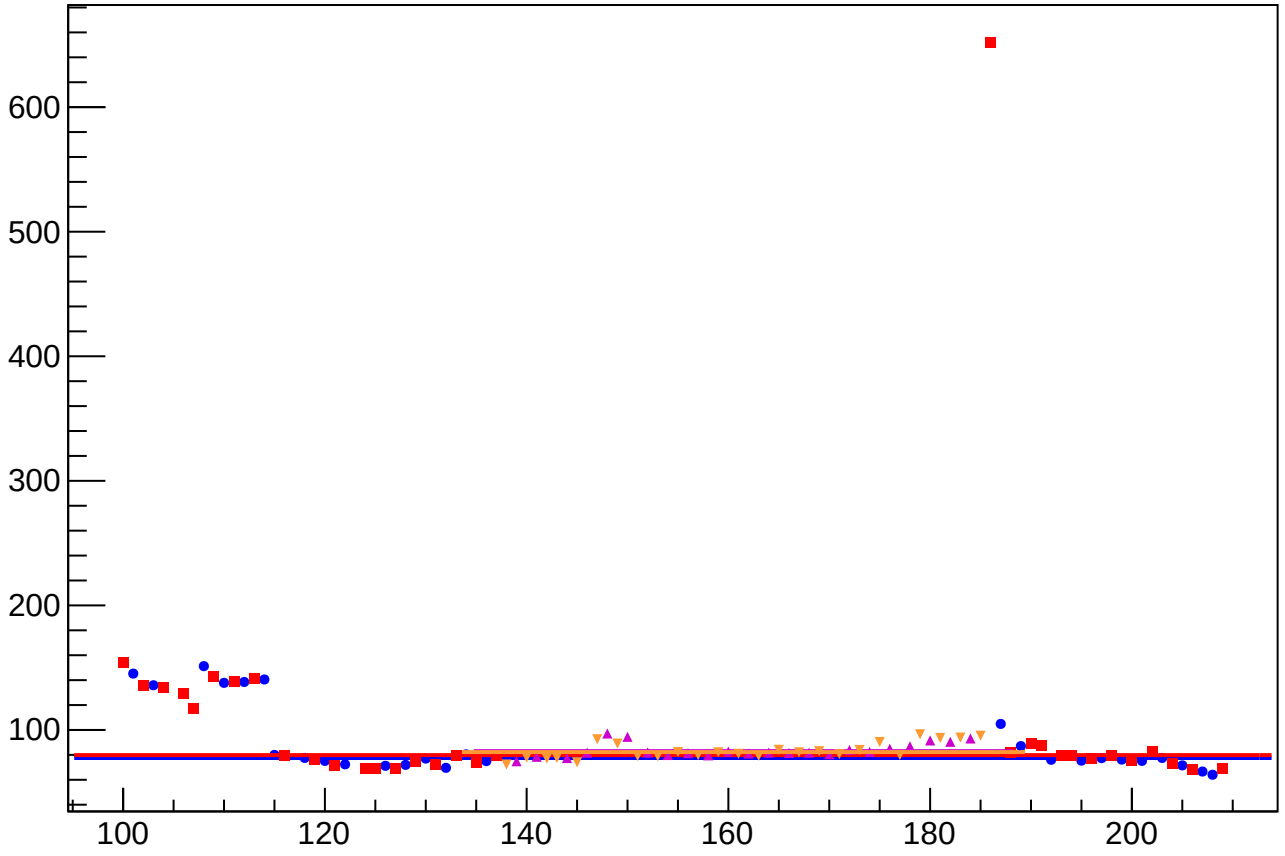
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.306+/-13.660 χ^2/NDF: 82.0/51

All: -17.480+/-9.738 χ^2/NDF: 241.1/106

- sign 68.118+/-13.886 χ^2/NDF: 84.4/54

dit_asym_sam1_rms vs Slug



Right In: 77.495+/-0.014 χ^2/NDF: 1283020.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 79.808+/-0.014 χ^2/NDF: 1935978.1/31

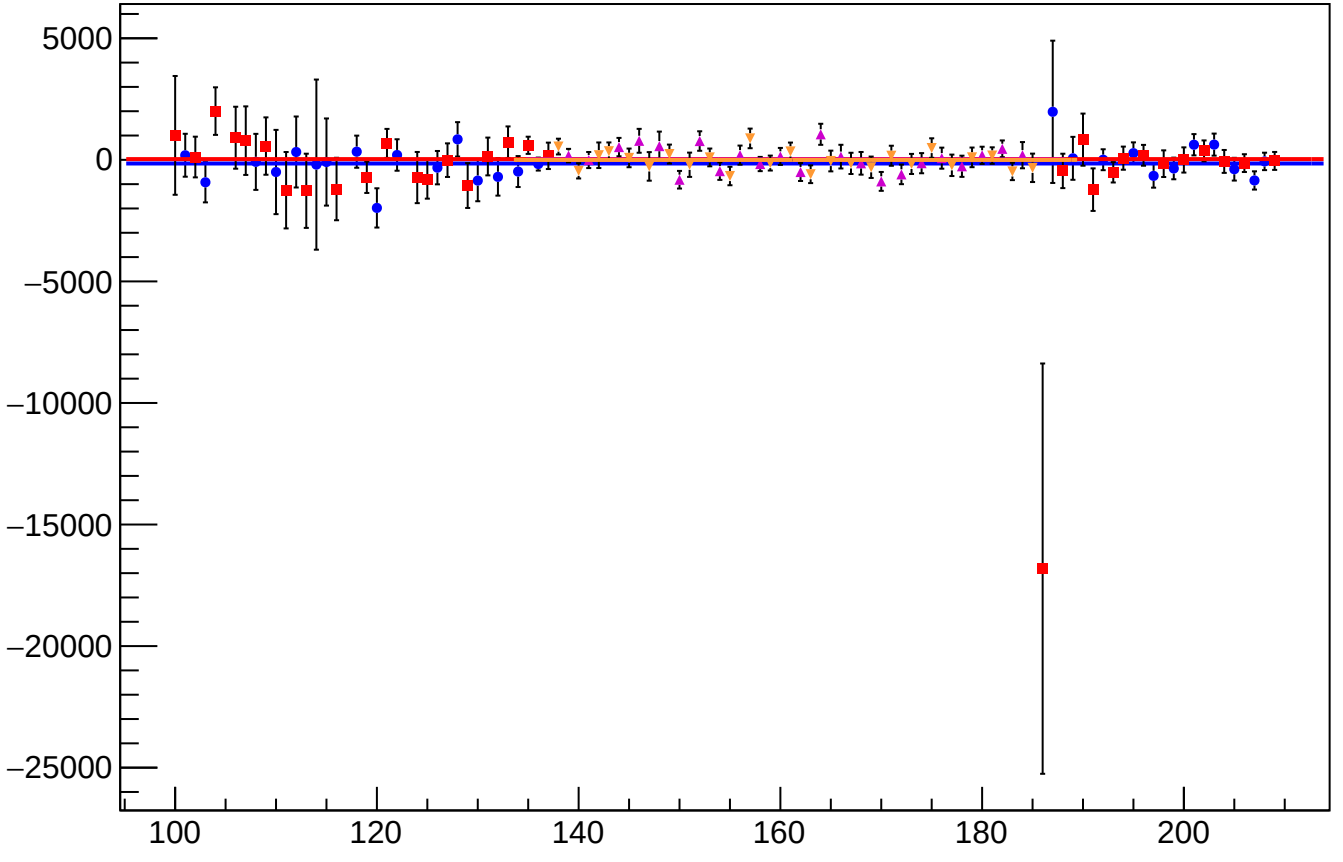
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 80.017+/-0.010 χ^2/NDF: 1559849.9/51

All: 80.714+/-0.007 χ^2/NDF: 3678293.0/106

- sign 81.433+/-0.010 χ^2/NDF: 2107881.0/54

asym_sam1_dit_correction_mean vs Slug



Right In: -150.212+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 30.731+/-109.266 χ^2/NDF: 26.7/31

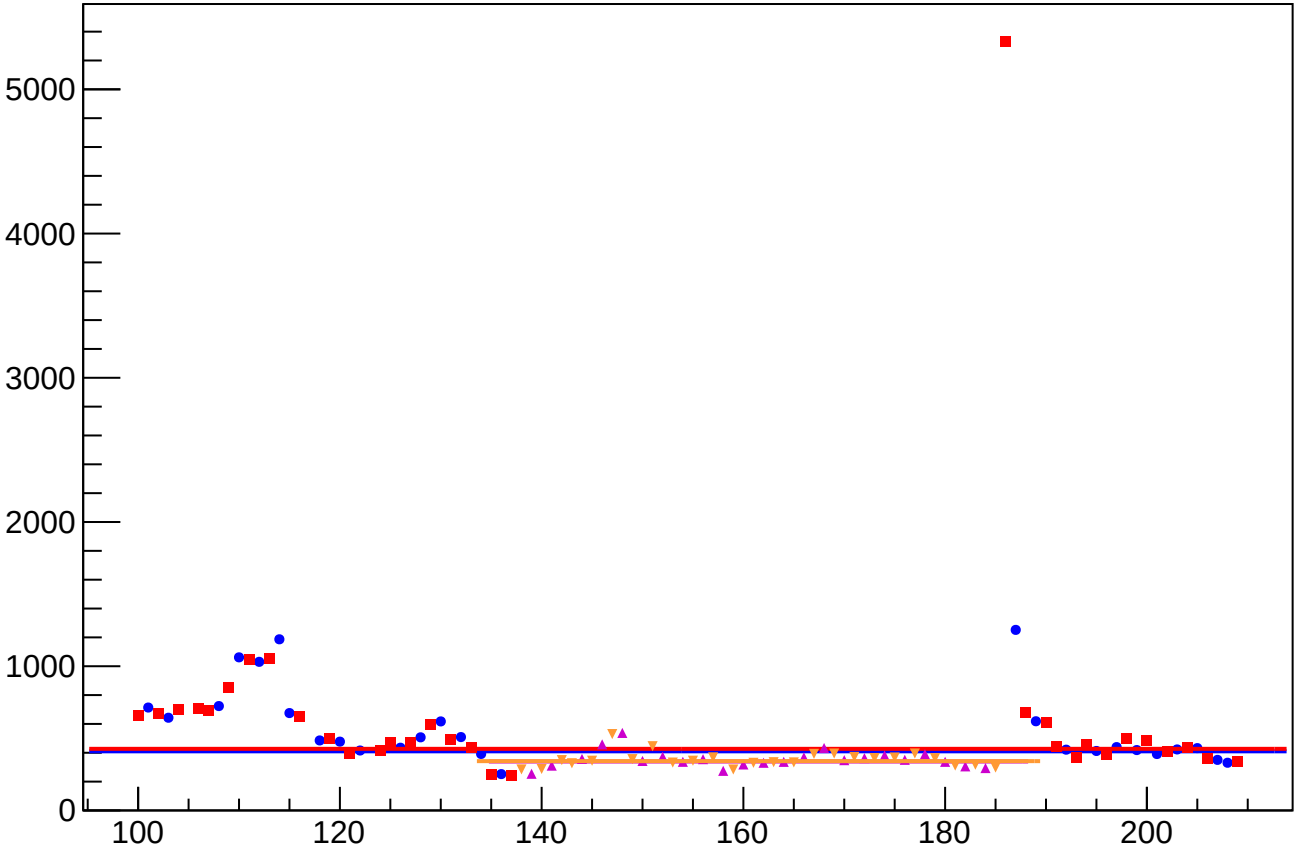
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -53.844+/-63.600 χ^2/NDF: 48.1/51

All: -16.849+/-45.377 χ^2/NDF: 110.4/106

\- sign 21.512+/-64.763 χ^2/NDF: 61.6/54

asym_sam1_dit_correction_rms vs Slug



Right In: 409.953+/-0.077 χ^2/NDF: 2705951.7/26

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

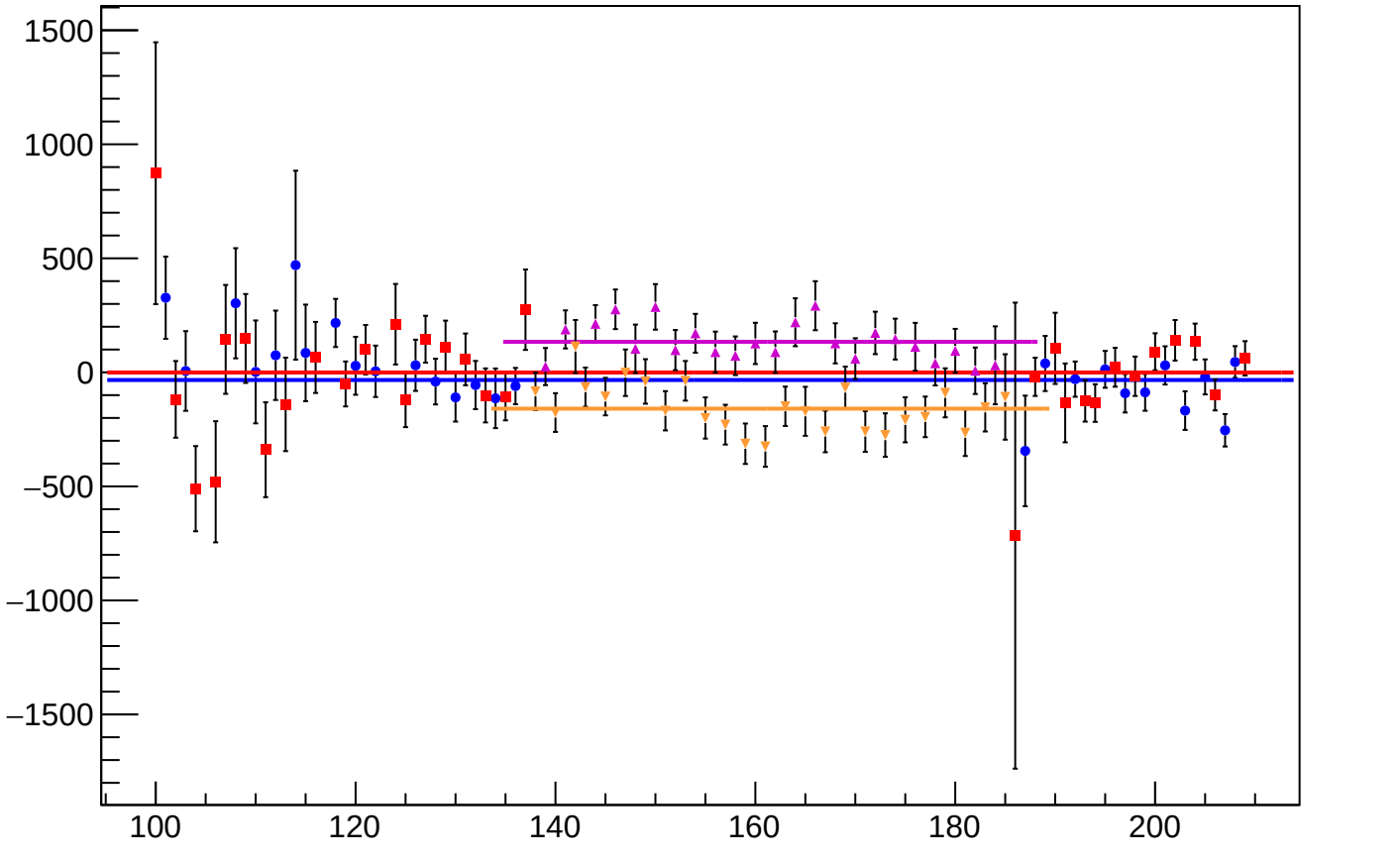
Right Out: 427.261+/-0.077 χ^2/NDF: 3619086.7/31

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 365.387+/-0.045 χ^2/NDF: 3877040.8/51

All: 367.792+/-0.032 χ^2/NDF: 9186969.9/106

- sign 370.286+/-0.046 χ^2/NDF: 5304104.4/54



Right In: -33.664+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -0.517+/-19.841 χ^2/NDF: 44.5/31

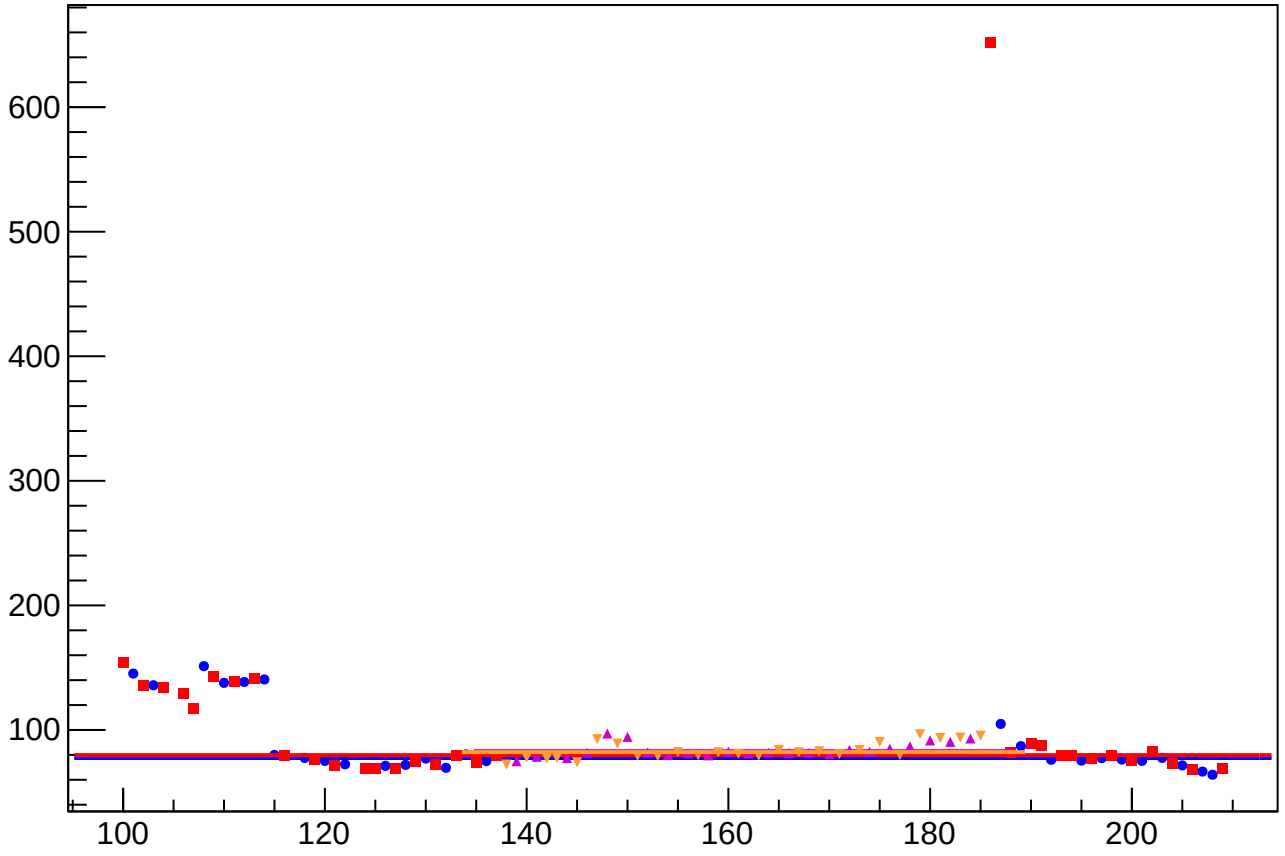
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.306+/-13.660 χ^2/NDF: 82.0/51

All: -17.480+/-9.738 χ^2/NDF: 241.1/106

- sign 68.118+/-13.886 χ^2/NDF: 84.4/54

eigen_dit_asym_sam1_rms vs Slug



Right In: 77.495+/-0.014 χ^2/NDF: 1283021.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 79.808+/-0.014 χ^2/NDF: 1935977.4/31

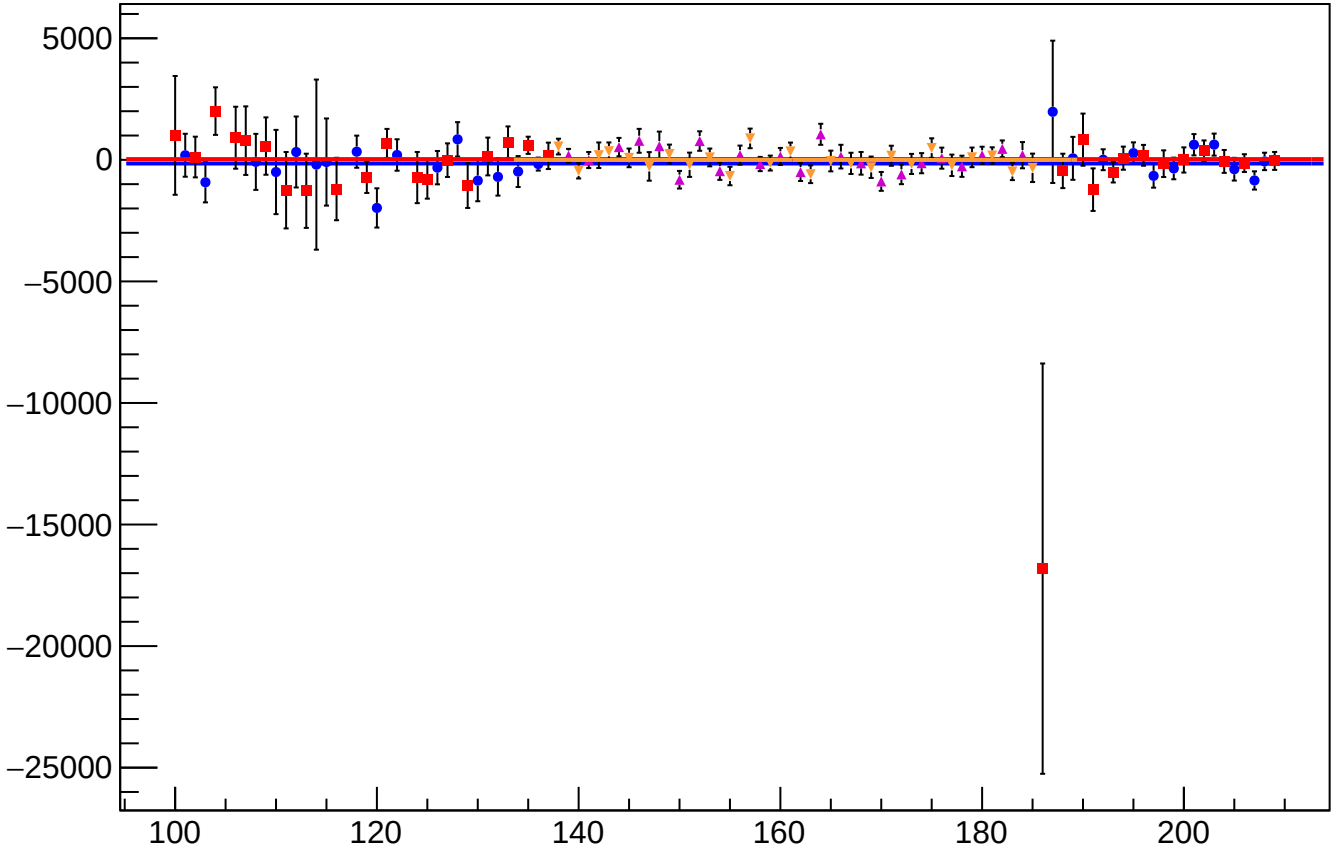
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 80.017+/-0.010 χ^2/NDF: 1559854.0/51

All: 80.713+/-0.007 χ^2/NDF: 3678296.5/106

- sign 81.433+/-0.010 χ^2/NDF: 2107880.7/54

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -150.210+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 30.731+/-109.265 χ^2/NDF: 26.7/31

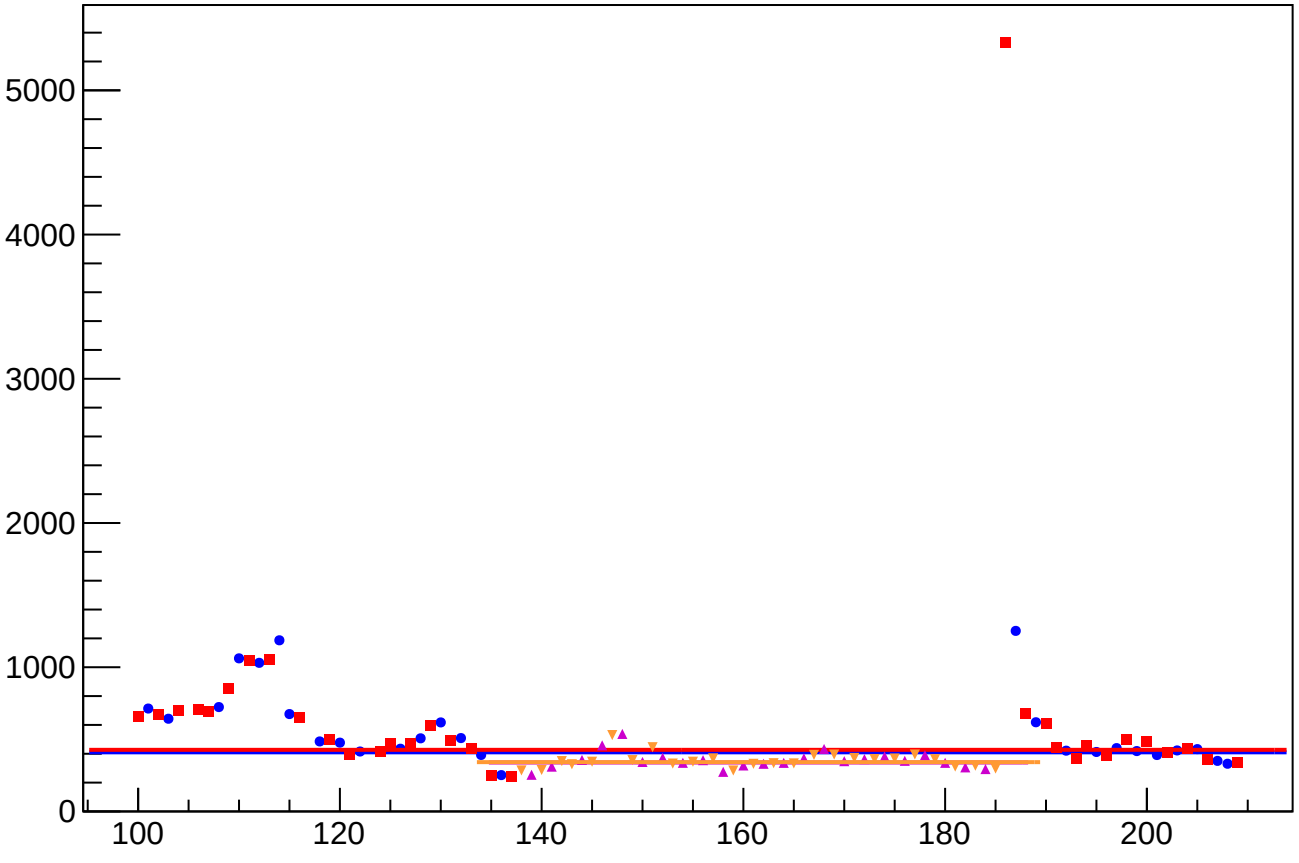
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -53.844+/-63.600 χ^2/NDF: 48.1/51

All: -16.849+/-45.377 χ^2/NDF: 110.4/106

\- sign 21.512+/-64.763 χ^2/NDF: 61.6/54

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 409.952+/-0.077 χ^2/NDF: 2705957.0/26

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 427.260+/-0.077 χ^2/NDF: 3619094.0/31

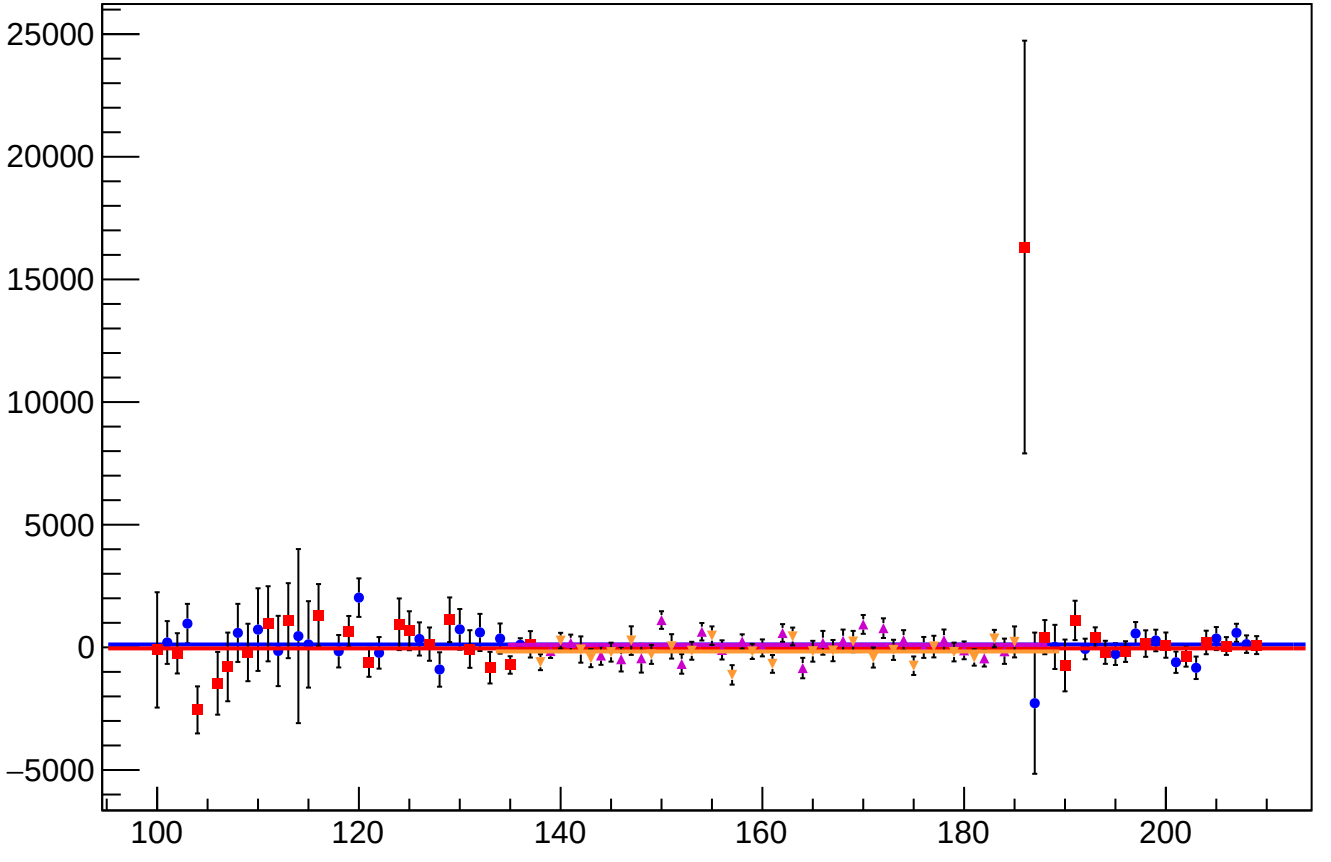
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 365.387+/-0.045 χ^2/NDF: 3877037.3/51

All: 367.792+/-0.032 χ^2/NDF: 9186961.8/106

- sign 370.285+/-0.046 χ^2/NDF: 5304099.9/54

asym_sam1_mean vs Slug



Right In: 116.280+/-107.243 χ^2/NDF: 22.9/26

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -42.462+/-107.847 χ^2/NDF: 30.7/31

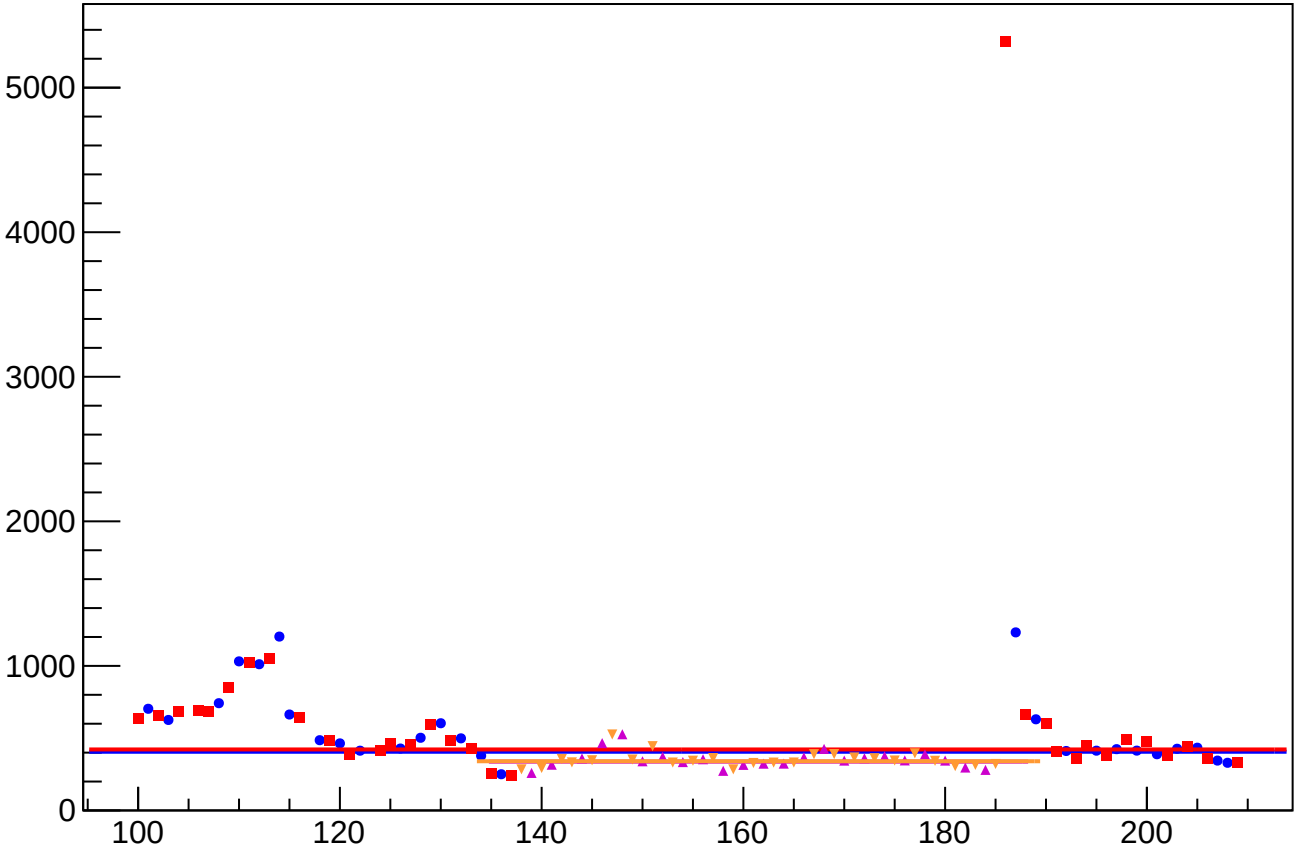
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -68.946+/-63.175 χ^2/NDF: 53.1/51

All: -9.480+/-45.047 χ^2/NDF: 124.2/106

- sign 52.028+/-64.250 χ^2/NDF: 69.4/54

asym_sam1_rms vs Slug



Right In: 406.100+/-0.076 χ^2/NDF: 2684590.2/26

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

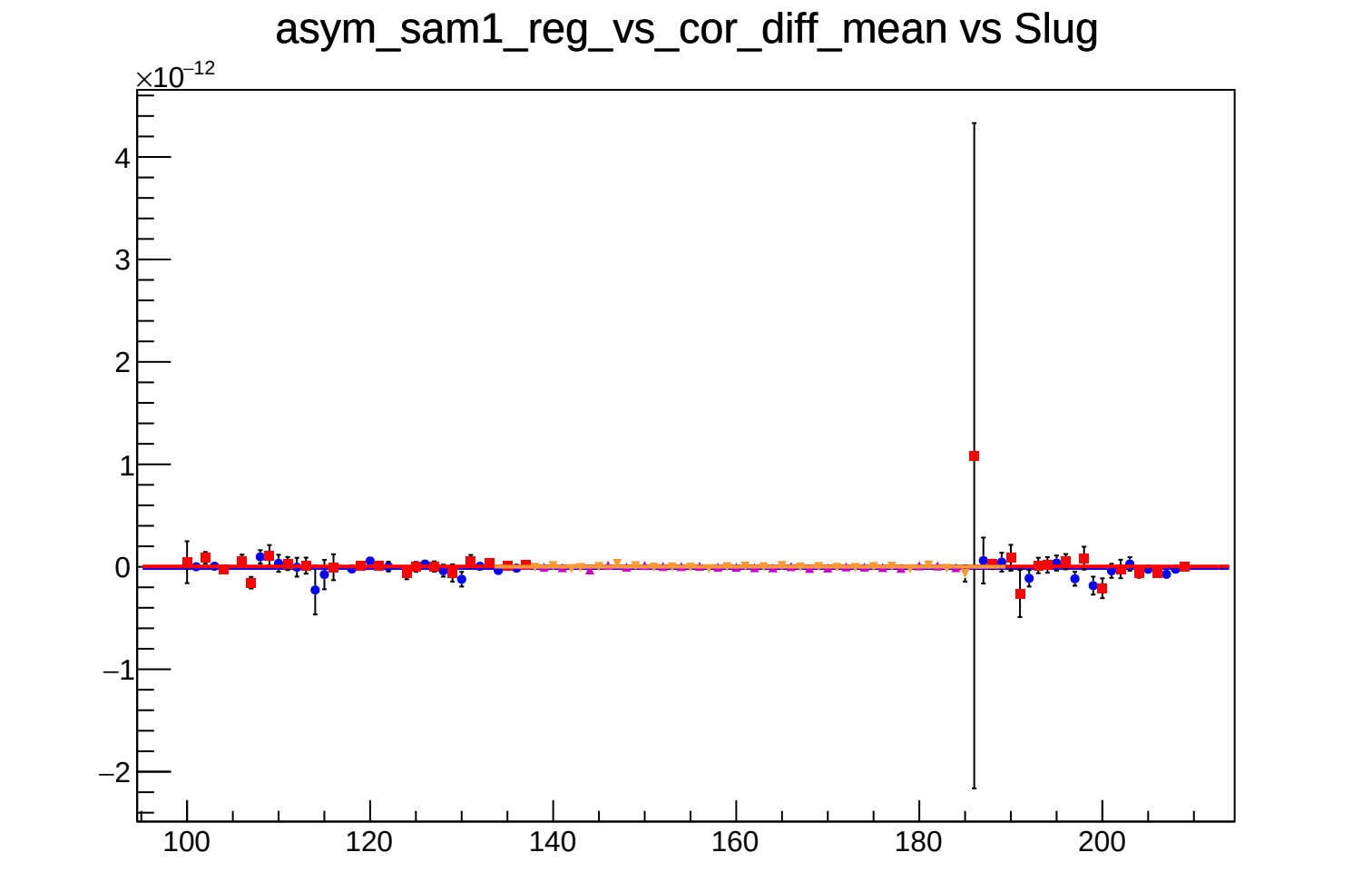
Right Out: 422.001+/-0.076 χ^2/NDF: 3565173.7/31

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 363.193+/-0.045 χ^2/NDF: 3779024.0/51

All: 365.388+/-0.032 χ^2/NDF: 8956991.1/106

- sign 367.658+/-0.045 χ^2/NDF: 5173056.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/31

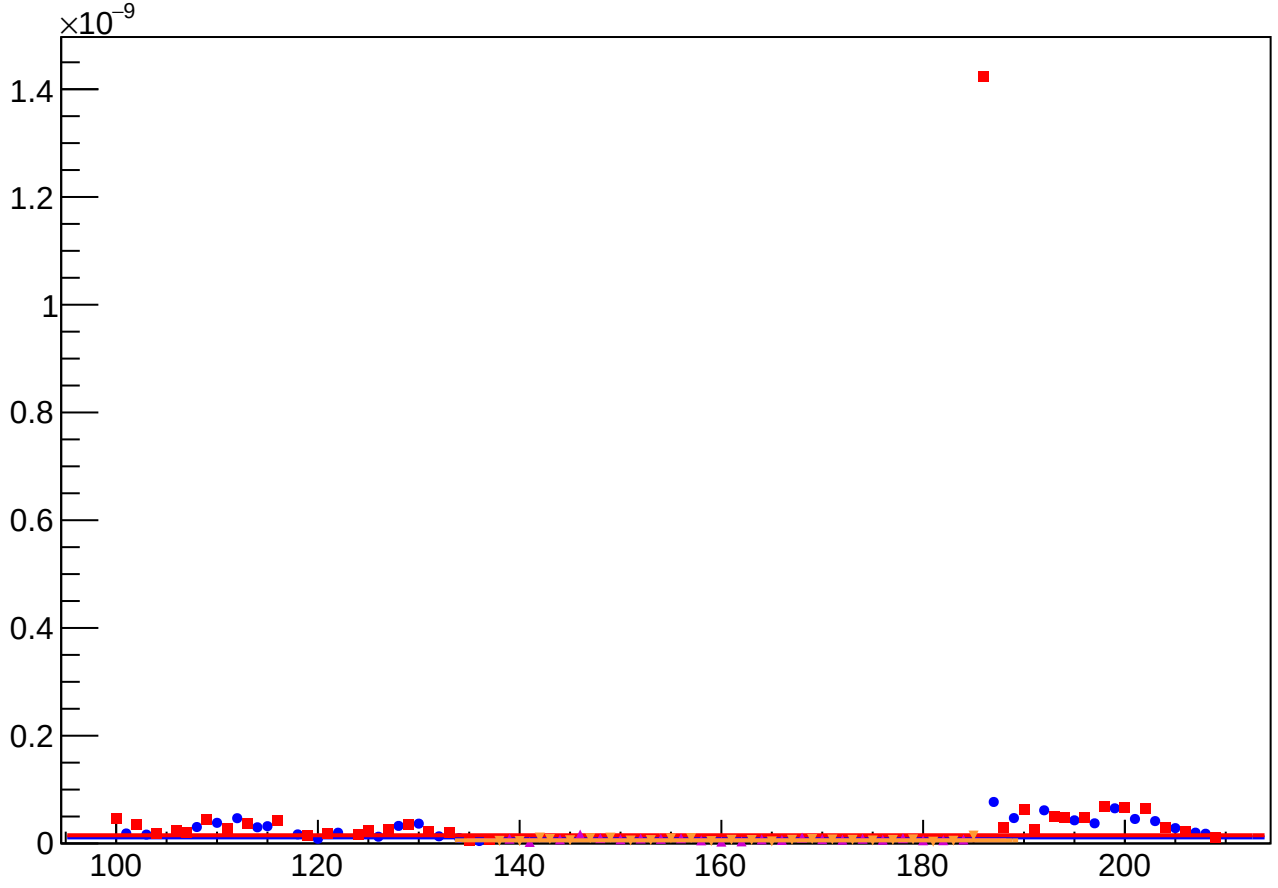
Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/51

All: -0.000+/-0.000 χ^2/NDF: 93.9/106

- sign -0.000+/-0.000 χ^2/NDF: 43.8/54

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7347887.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7129177.8/31

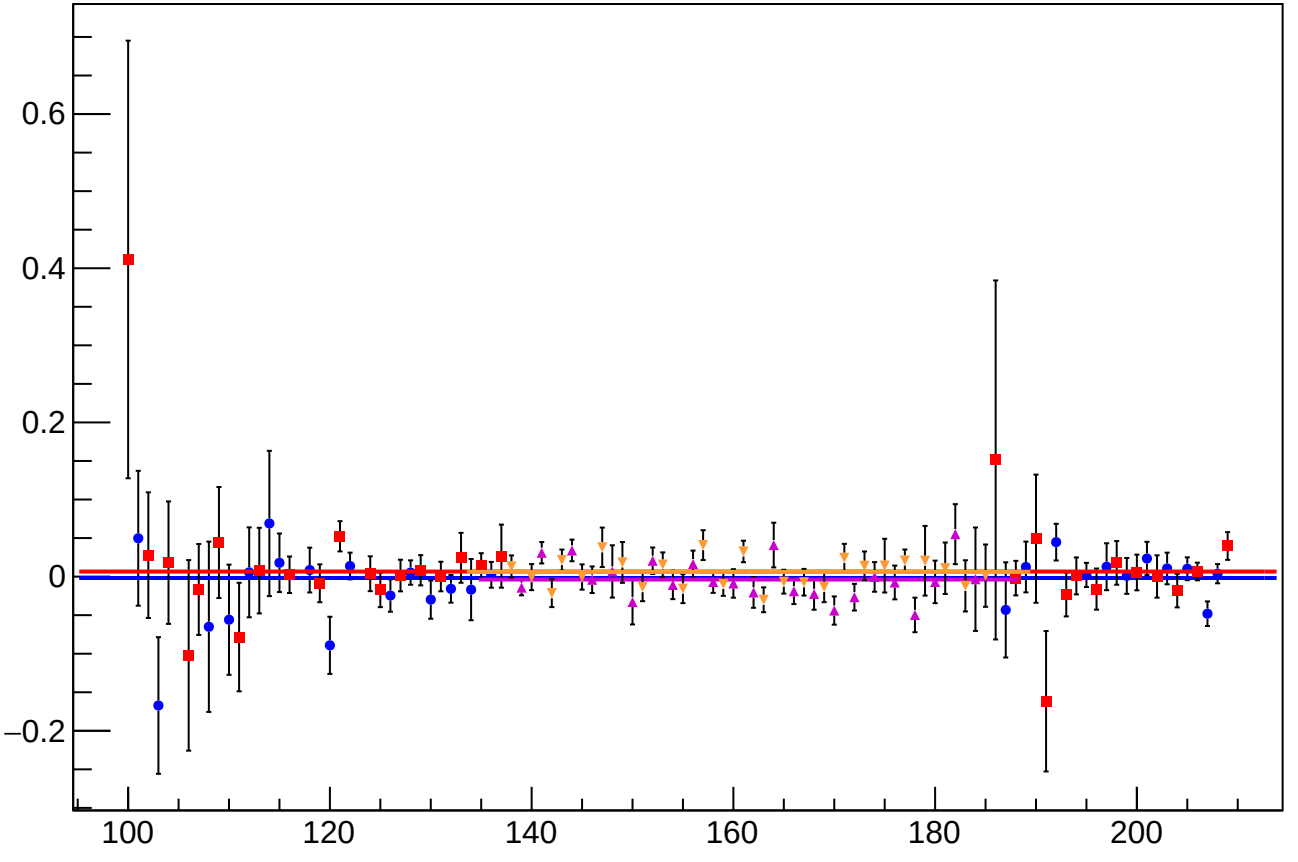
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10029948.2/51

All: 0.000+/-0.000 χ^2/NDF: 22129103.9/106

- sign 0.000+/-0.000 χ^2/NDF: 11992915.7/54

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.007+/-0.005 χ^2/NDF: 23.8/31

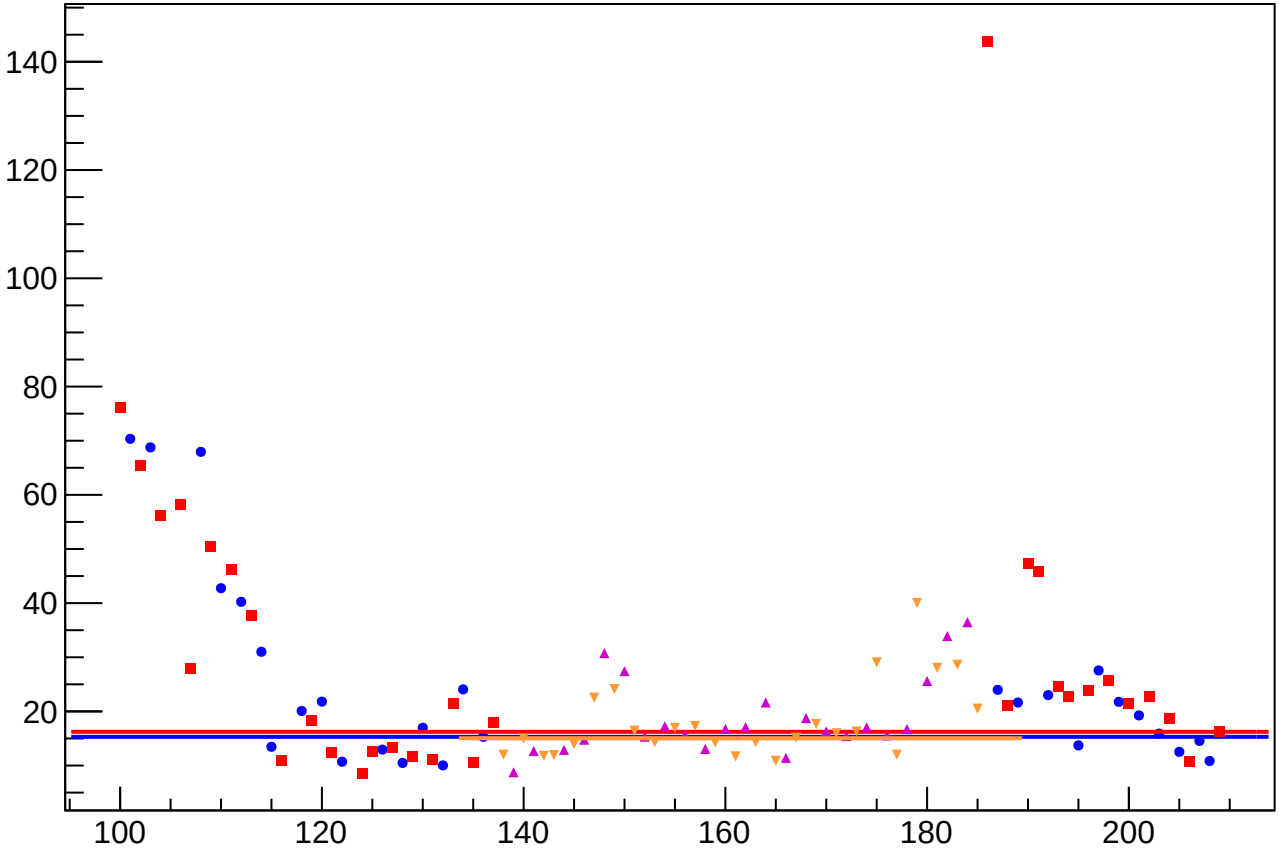
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.002+/-0.002 χ^2/NDF: 124.1/106

- sign 0.001+/-0.003 χ^2/NDF: 63.9/54

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.231+/-0.003 χ^2/NDF: 6416328.8/31

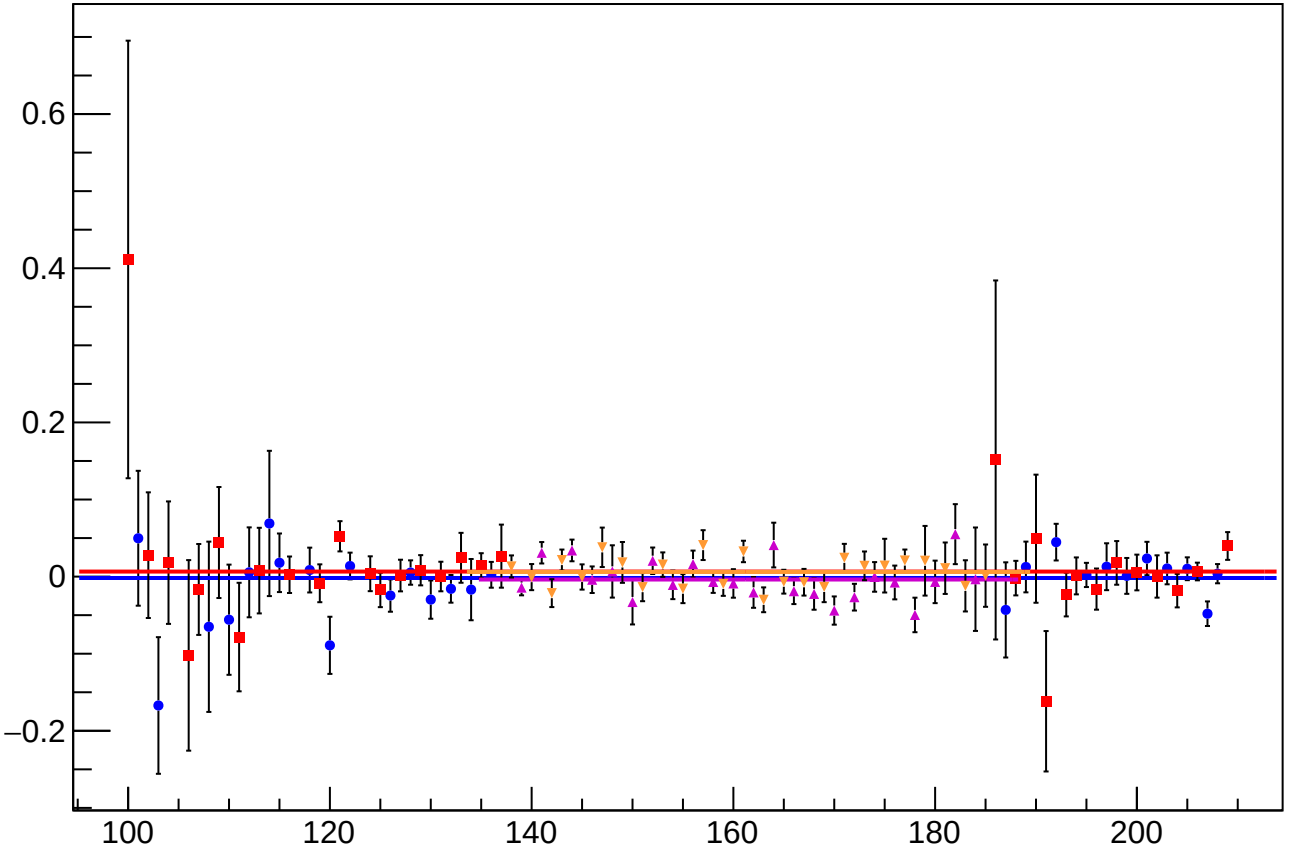
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.151+/-0.002 χ^2/NDF: 7426571.7/51

All: 15.344+/-0.001 χ^2/NDF: 17005364.0/106

\- sign 15.551+/-0.002 χ^2/NDF: 9559482.6/54

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.007+/-0.005 χ^2/NDF: 23.8/31

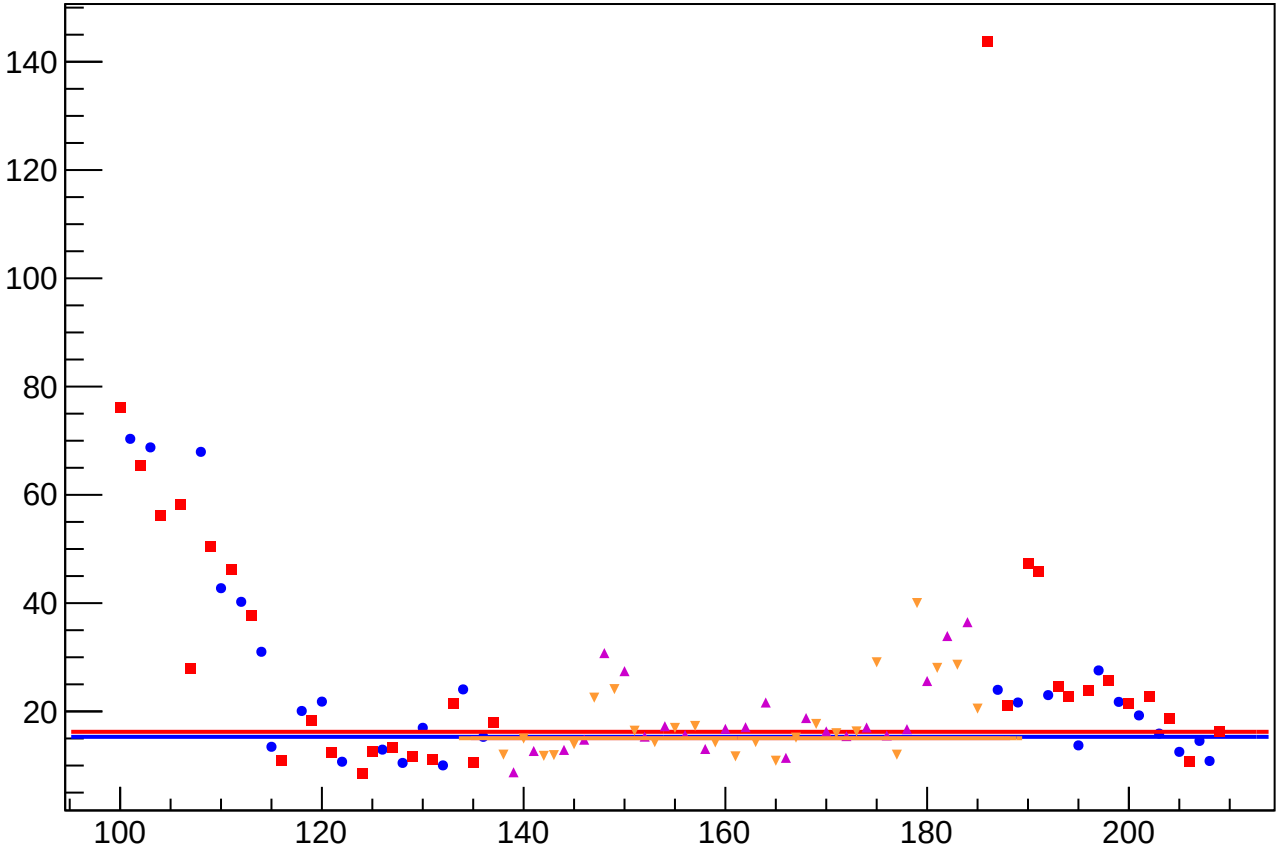
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.002+/-0.002 χ^2/NDF: 124.1/106

- sign 0.001+/-0.003 χ^2/NDF: 63.9/54

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

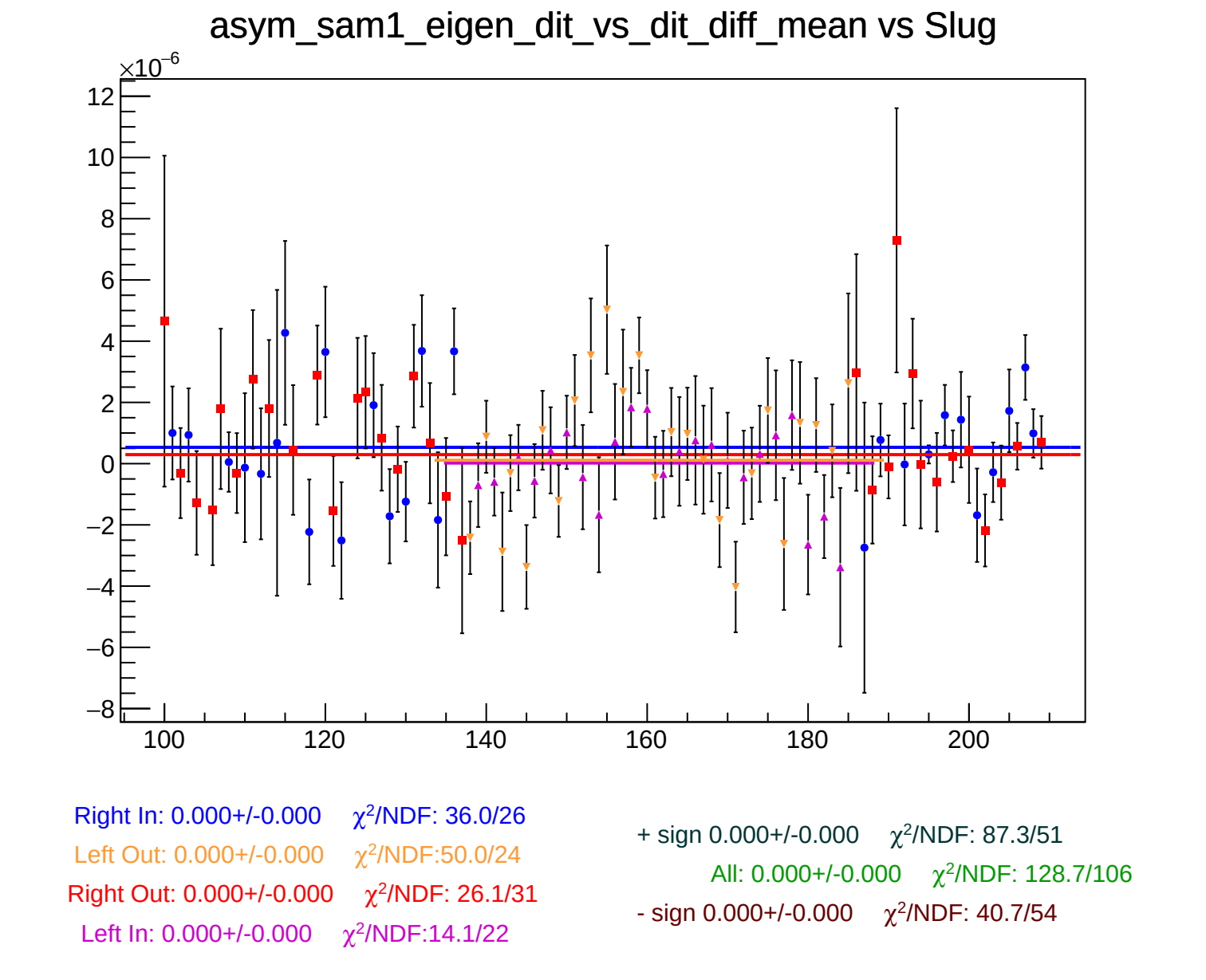
Right Out: 16.231+/-0.003 χ^2/NDF: 6416328.8/31

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

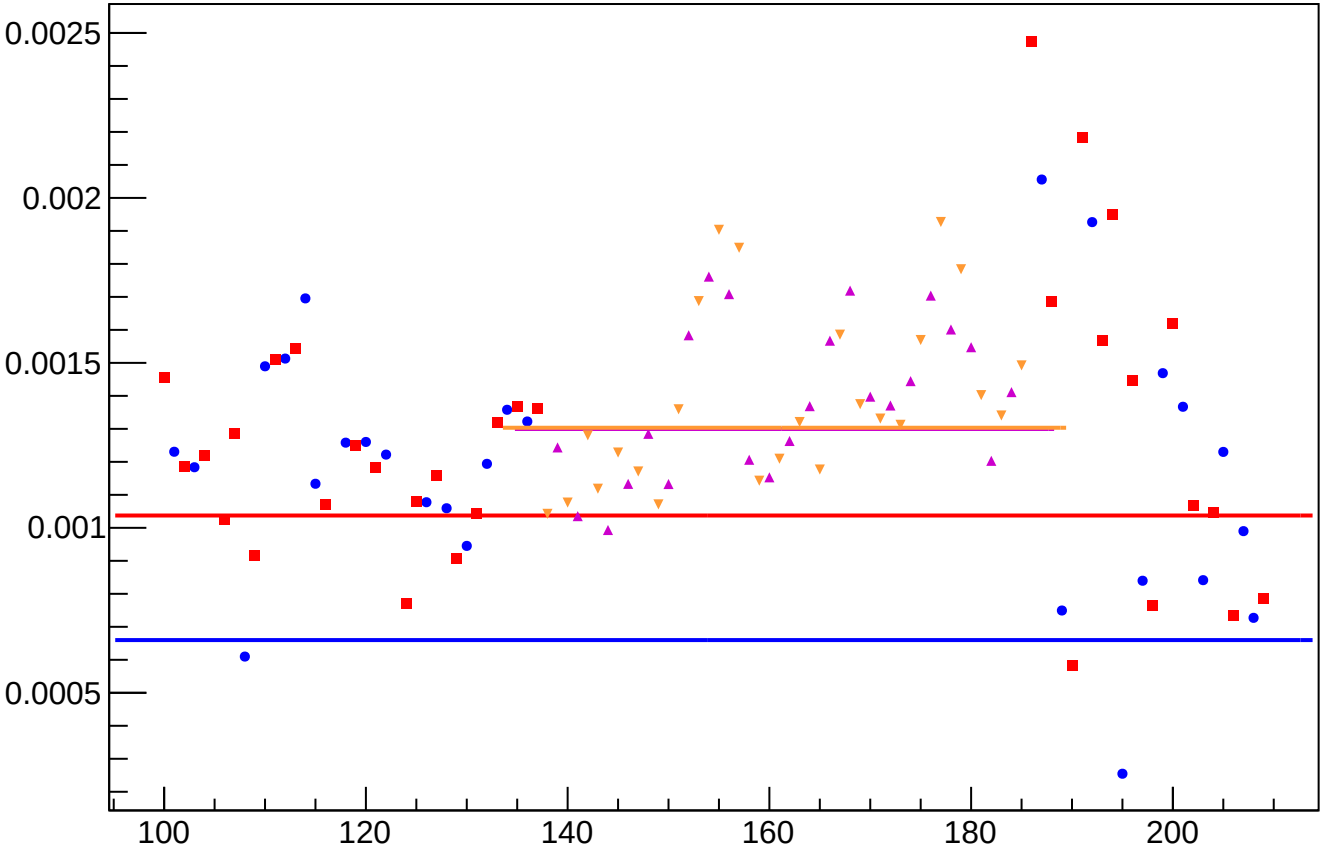
+ sign 15.151+/-0.002 χ^2/NDF: 7426571.7/51

All: 15.344+/-0.001 χ^2/NDF: 17005364.0/106

- sign 15.551+/-0.002 χ^2/NDF: 9559482.6/54


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 36.0/26
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.1/31
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 87.3/51
All: 0.000+/-0.000 χ²/NDF: 128.7/106
- sign 0.000+/-0.000 χ²/NDF: 40.7/54

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9373212.5/26

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

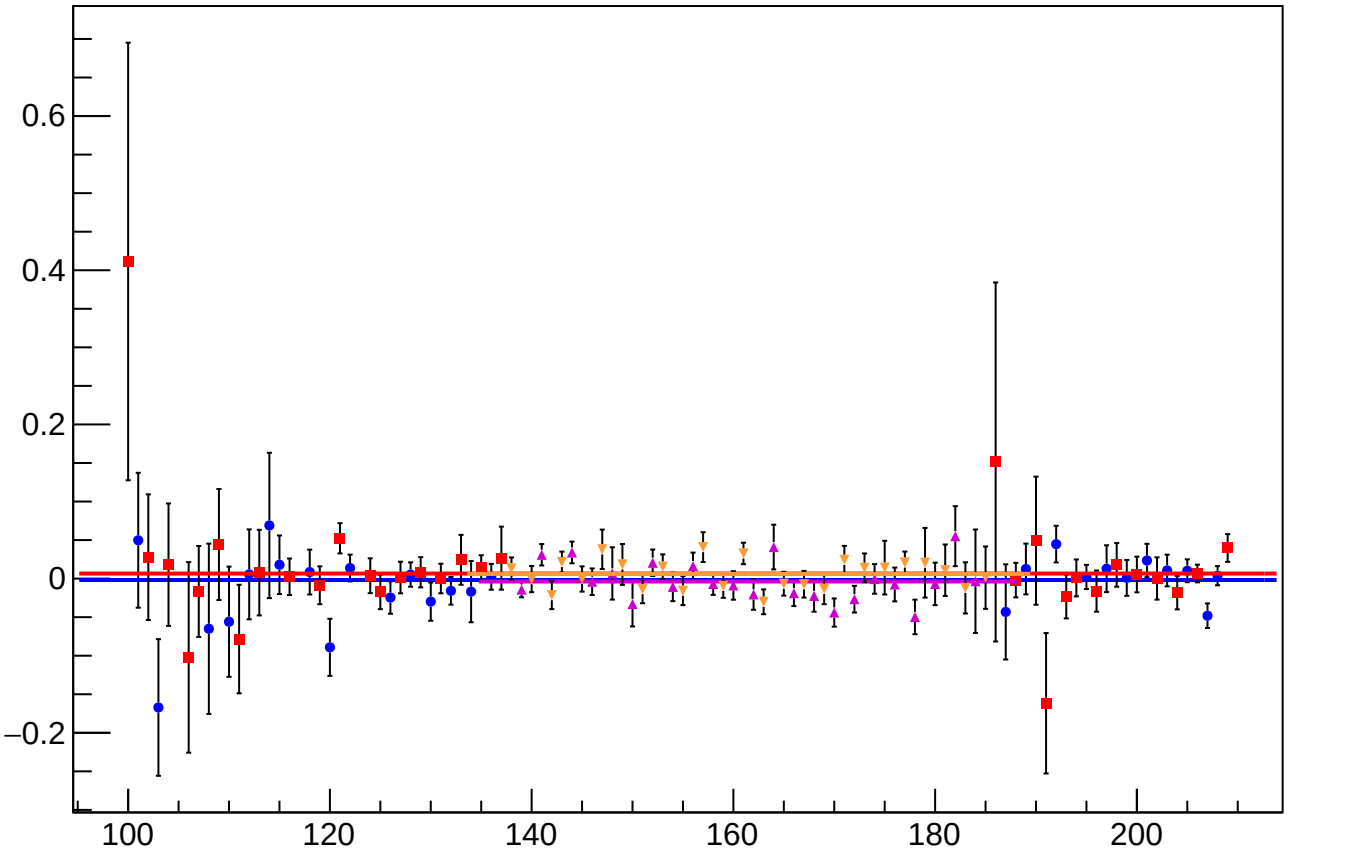
Right Out: 0.001+/-0.000 χ^2/NDF: 3203528.3/31

Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16806327.6/51

All: 0.001+/-0.000 χ^2/NDF: 24247235.0/106

- sign 0.001+/-0.000 χ^2/NDF: 5056155.2/54



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.007+/-0.005 χ^2/NDF: 23.8/31

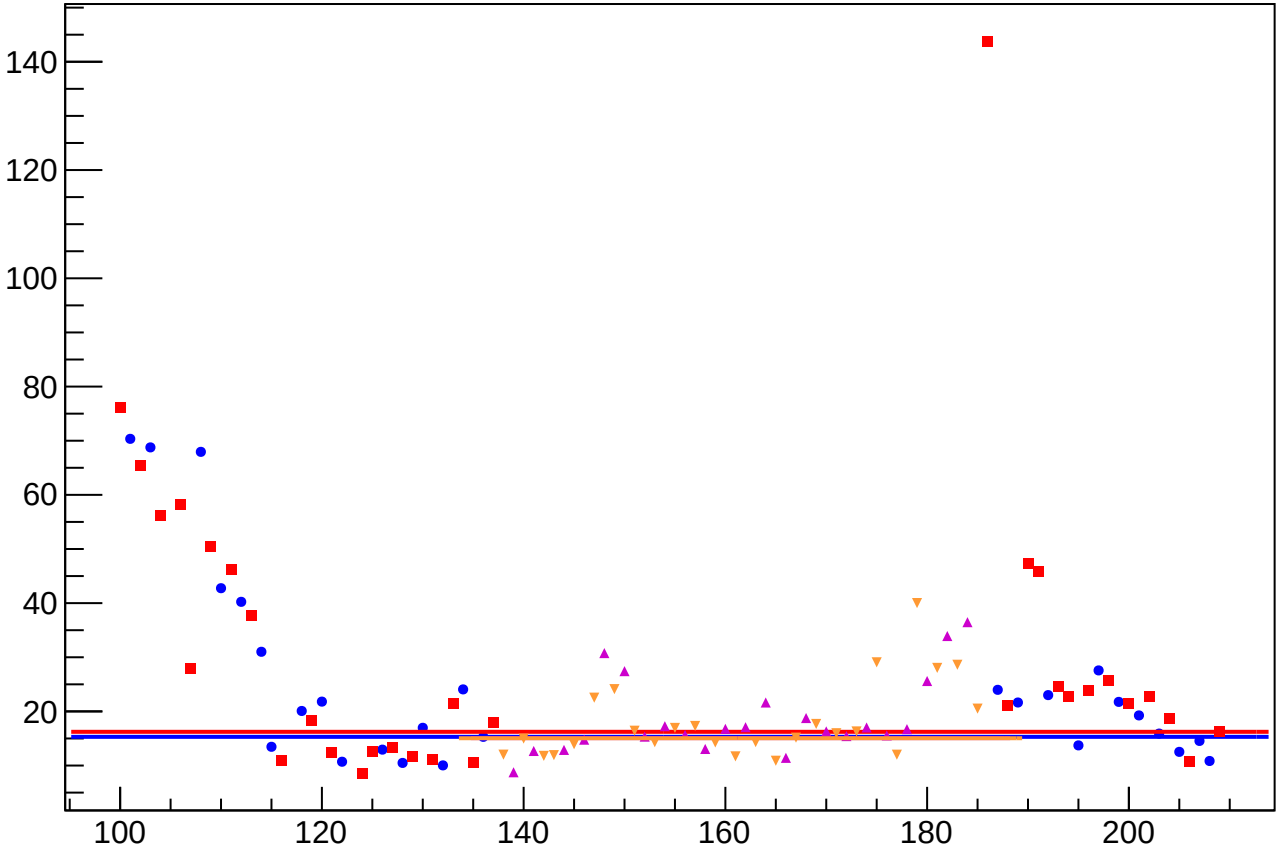
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.002+/-0.002 χ^2/NDF: 124.1/106

- sign 0.001+/-0.003 χ^2/NDF: 63.9/54

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.230+/-0.003 χ^2/NDF: 6416295.2/31

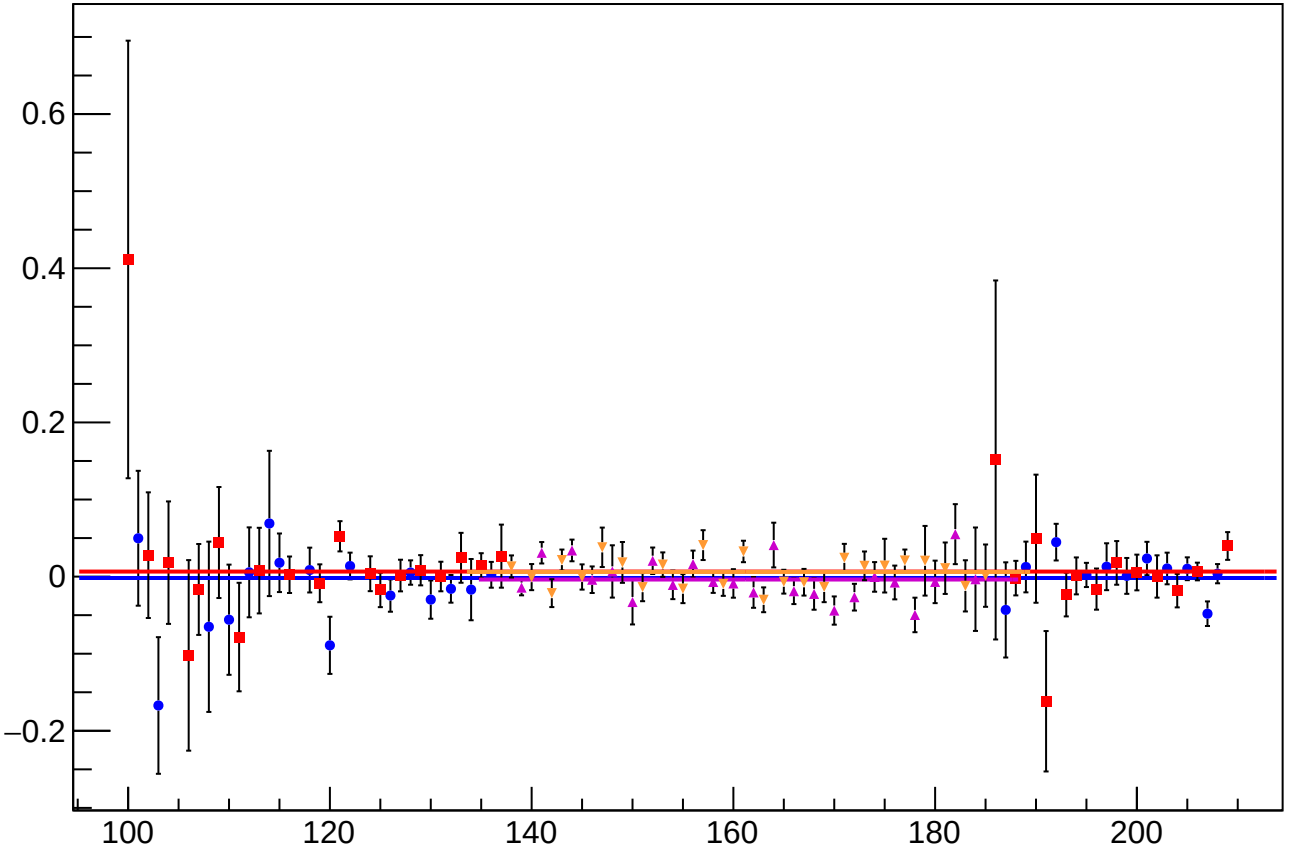
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.151+/-0.002 χ^2/NDF: 7426789.4/51

All: 15.344+/-0.001 χ^2/NDF: 17005593.9/106

- sign 15.551+/-0.002 χ^2/NDF: 9559487.2/54

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.007+/-0.005 χ^2/NDF: 23.8/31

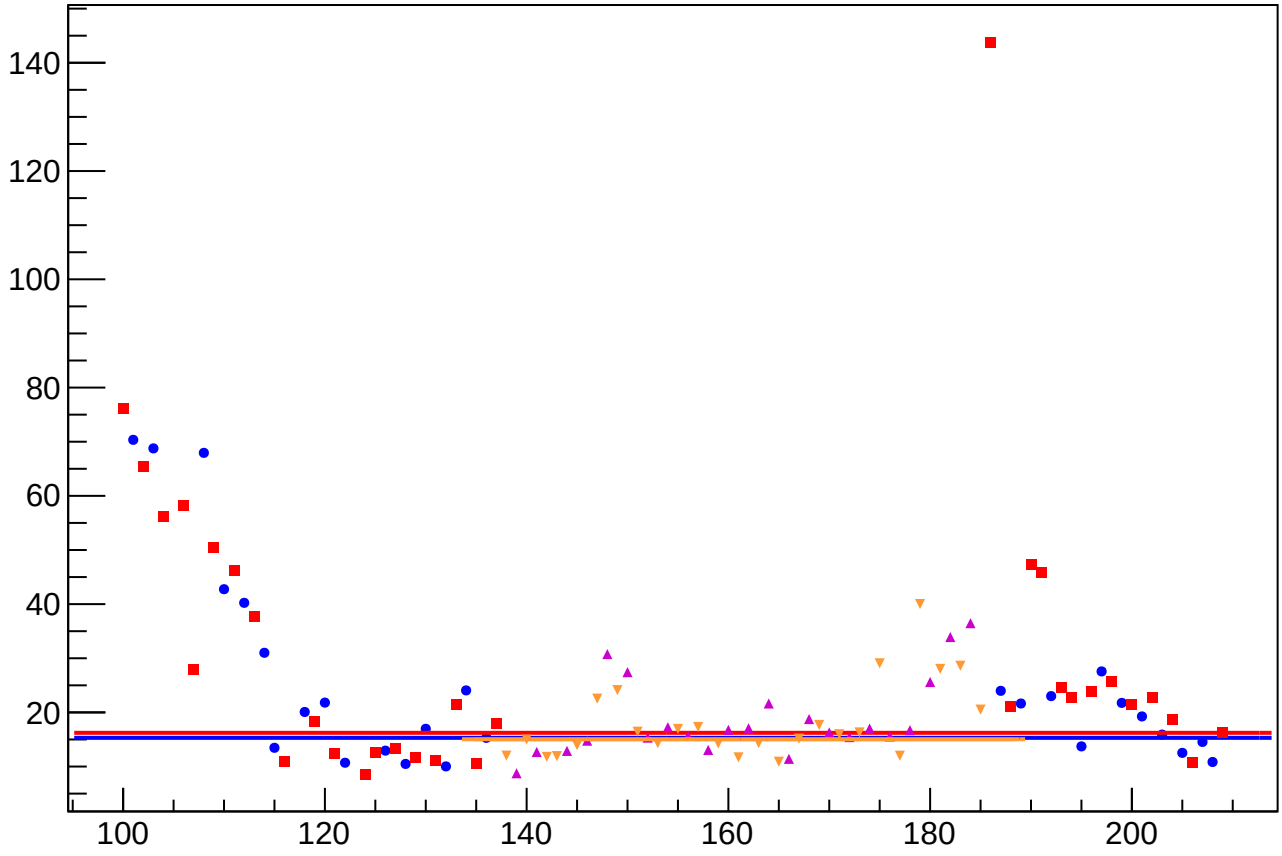
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 59.9/51

All: 0.002+/-0.002 χ^2/NDF: 124.1/106

- sign 0.001+/-0.003 χ^2/NDF: 63.9/54

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

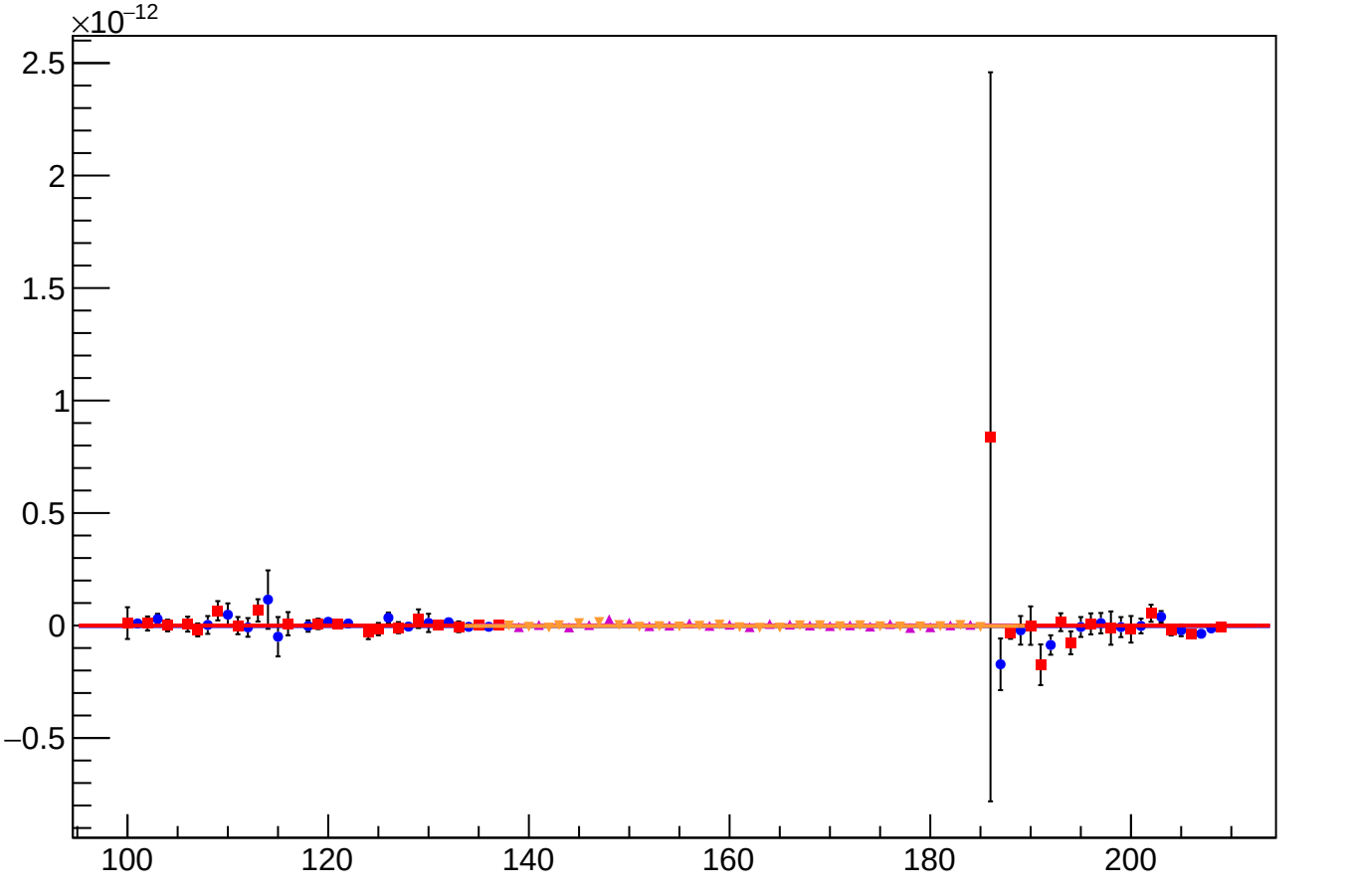
Right Out: 16.230+/-0.003 χ^2/NDF: 6416295.2/31

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.151+/-0.002 χ^2/NDF: 7426789.4/51

All: 15.344+/-0.001 χ^2/NDF: 17005593.9/106

- sign 15.551+/-0.002 χ^2/NDF: 9559487.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

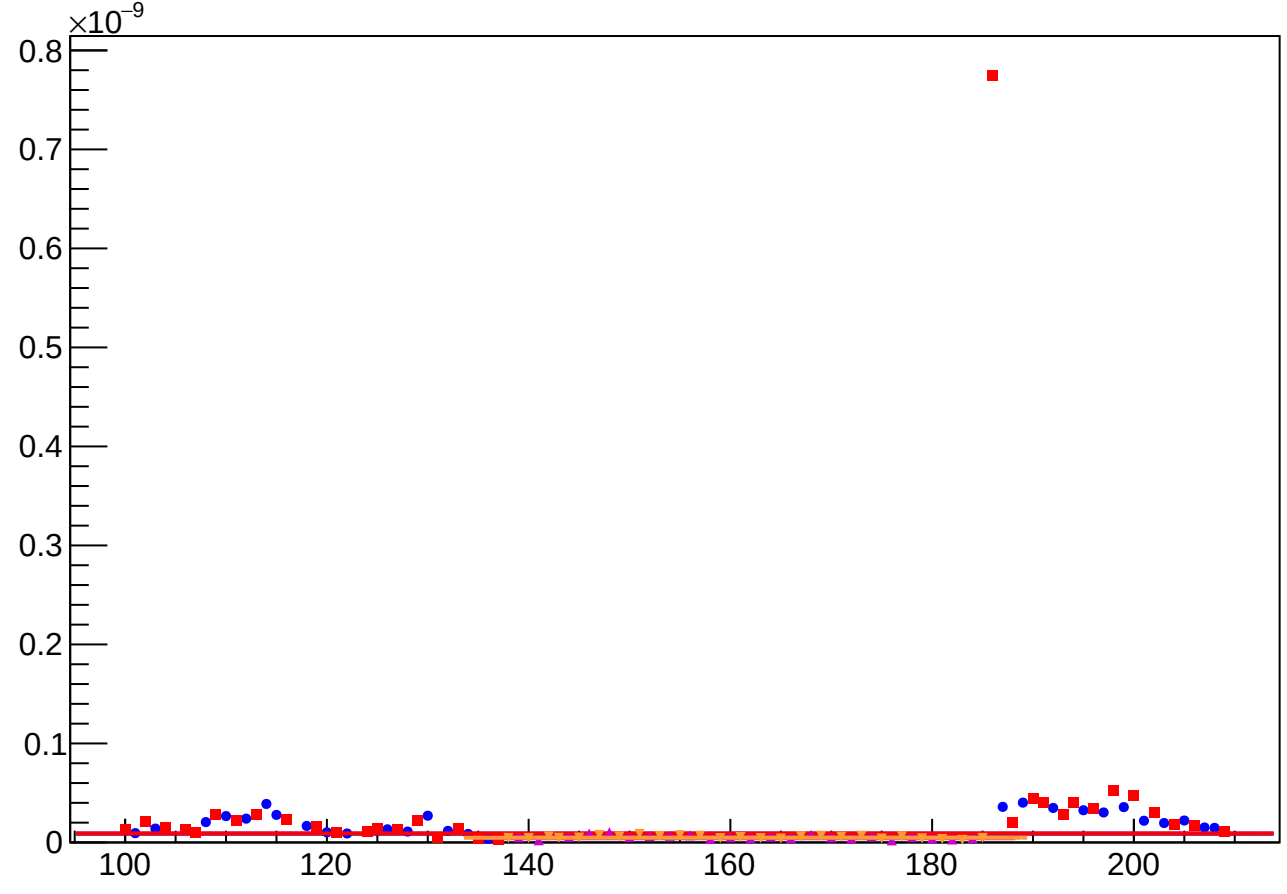
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/31

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/51

All: -0.000+/-0.000 χ^2/NDF: 84.0/106

- sign 0.000+/-0.000 χ^2/NDF: 44.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 8794780.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10946457.0/31

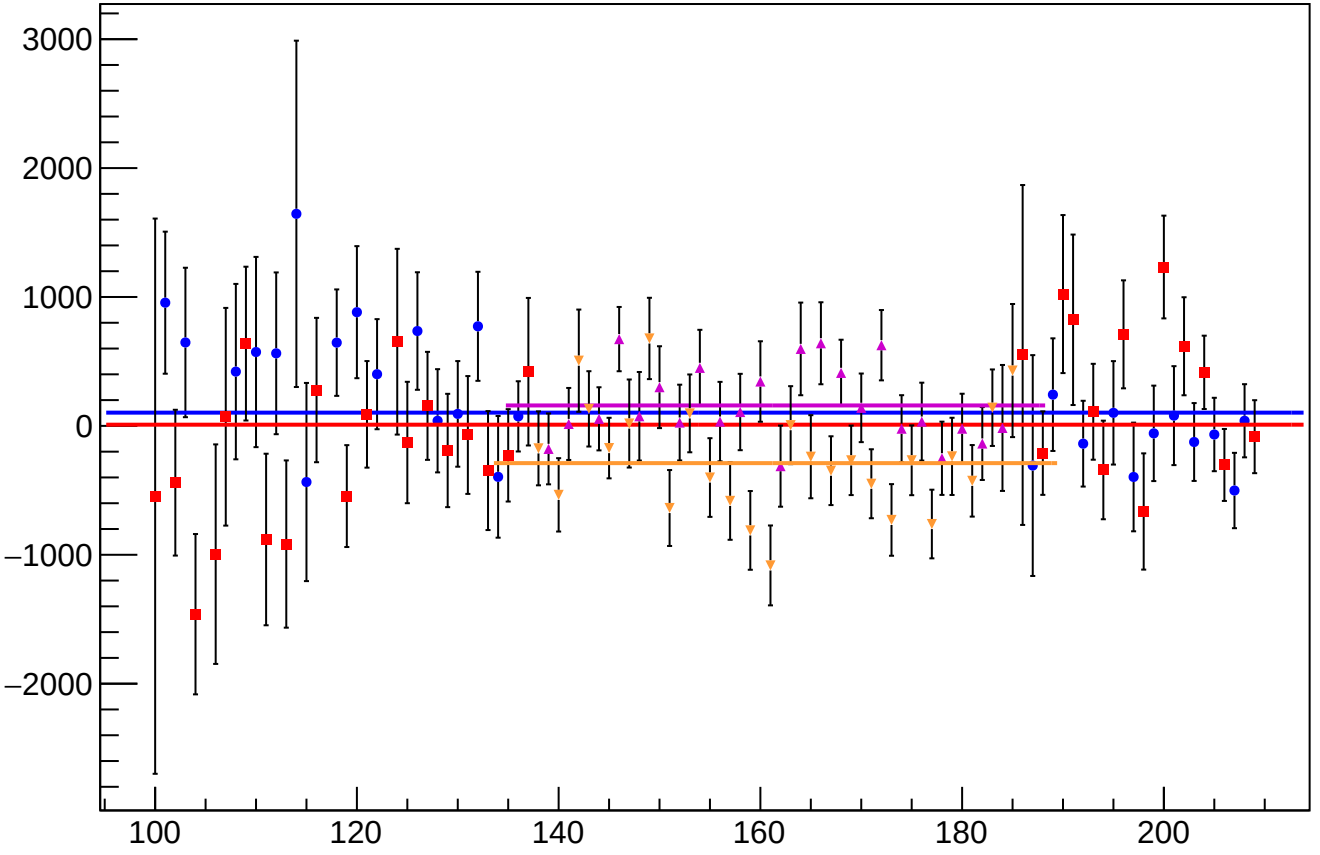
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13309269.8/51

All: 0.000+/-0.000 χ^2/NDF: 31135695.7/106

- sign 0.000+/-0.000 χ^2/NDF: 17697095.8/54

reg_asym_sam2_mean vs Slug



Right In: 102.759+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 9.284+/-79.095 χ^2/NDF: 43.9/31

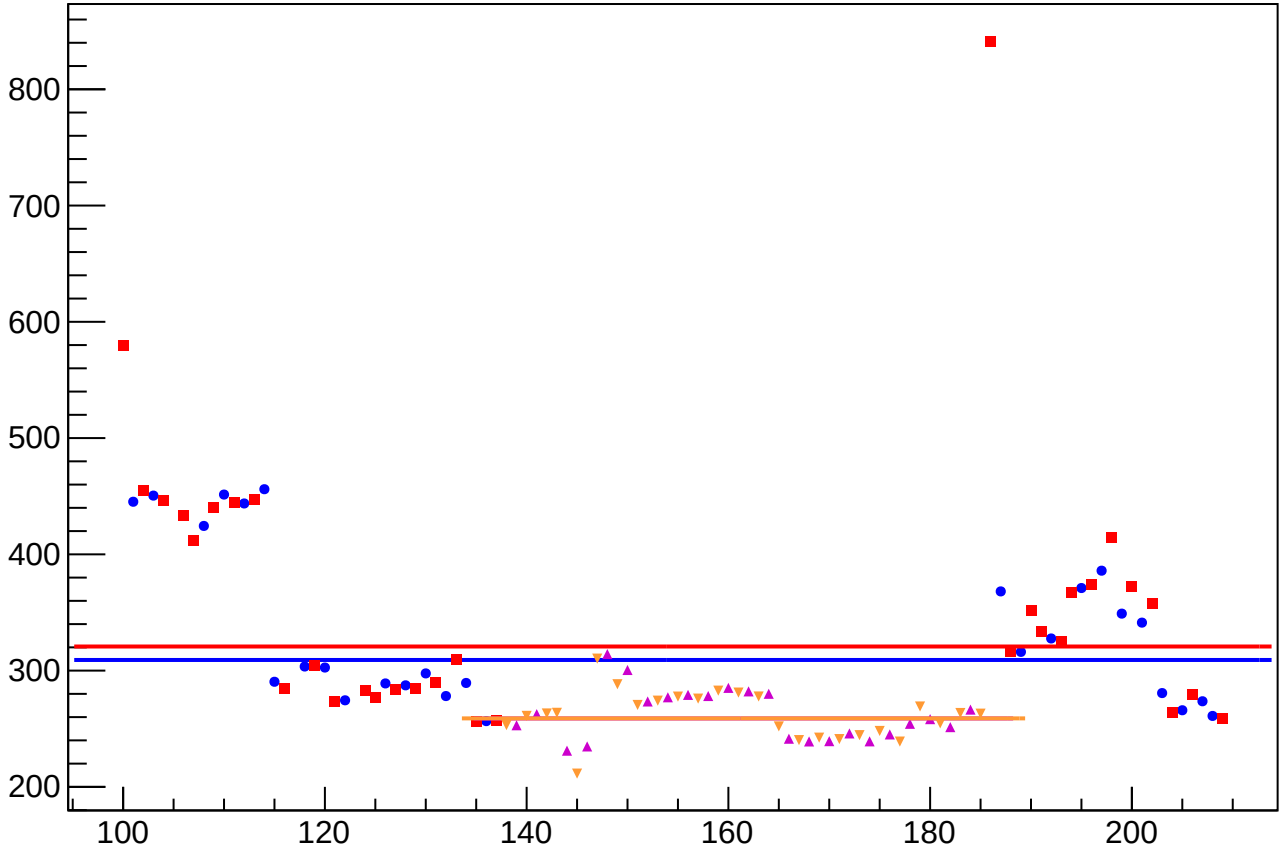
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

\+ sign -148.846+/-47.315 χ^2/NDF: 82.2/51

All: -25.024+/-33.751 χ^2/NDF: 164.8/106

\- sign 103.247+/-48.158 χ^2/NDF: 68.6/54

reg_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF: 922232.0/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 320.735+/-0.056 χ^2/NDF: 1435205.6/31

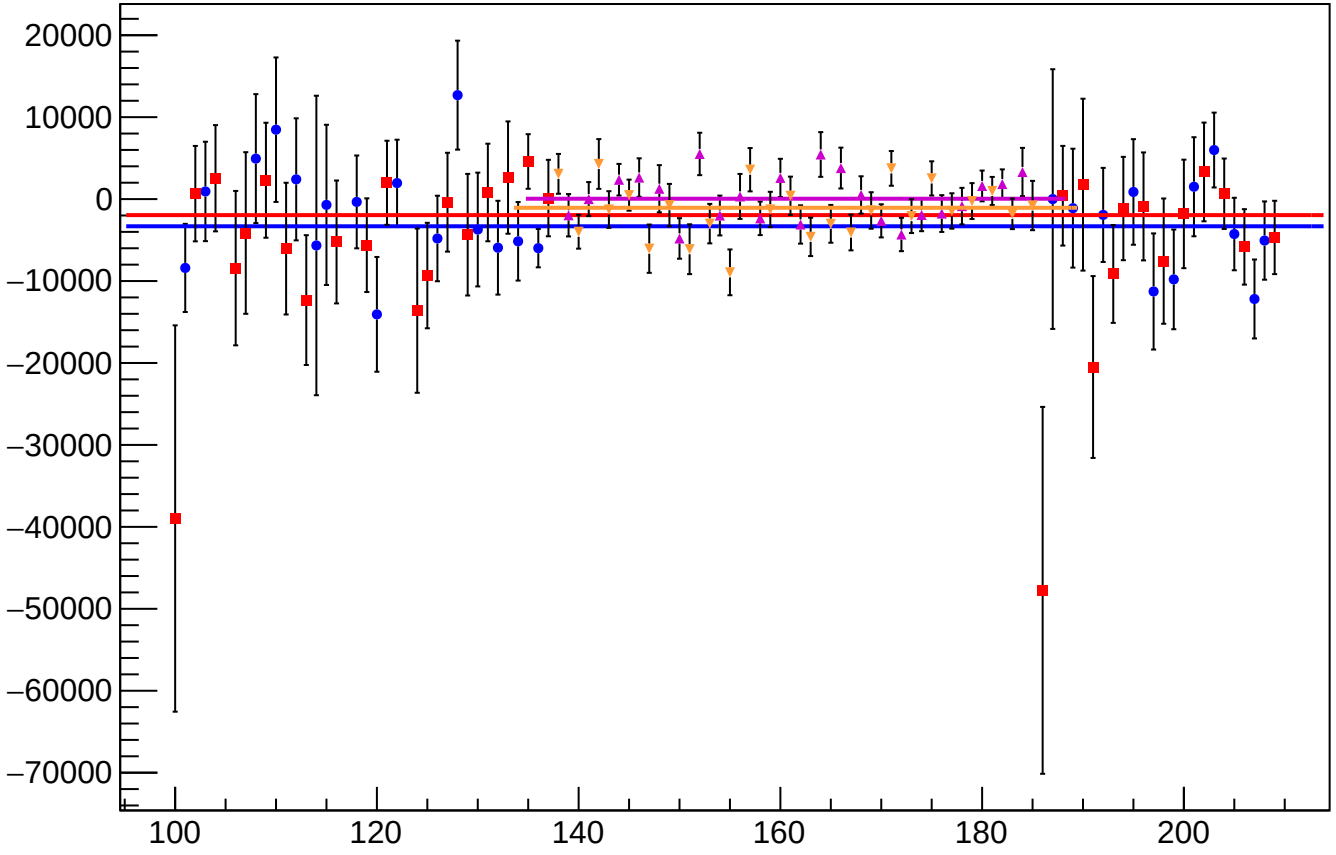
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF: 1688995.9/51

All: 279.290+/-0.024 χ^2/NDF: 4150373.7/106

- sign 281.787+/-0.034 χ^2/NDF: 2450808.2/54

asym_sam2_reg_correction_mean vs Slug



Right In: -3316.922+/-1064.025 χ^2/NDF: 27.5/26

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1954.676+/-1103.464 χ^2/NDF: 26.3/31

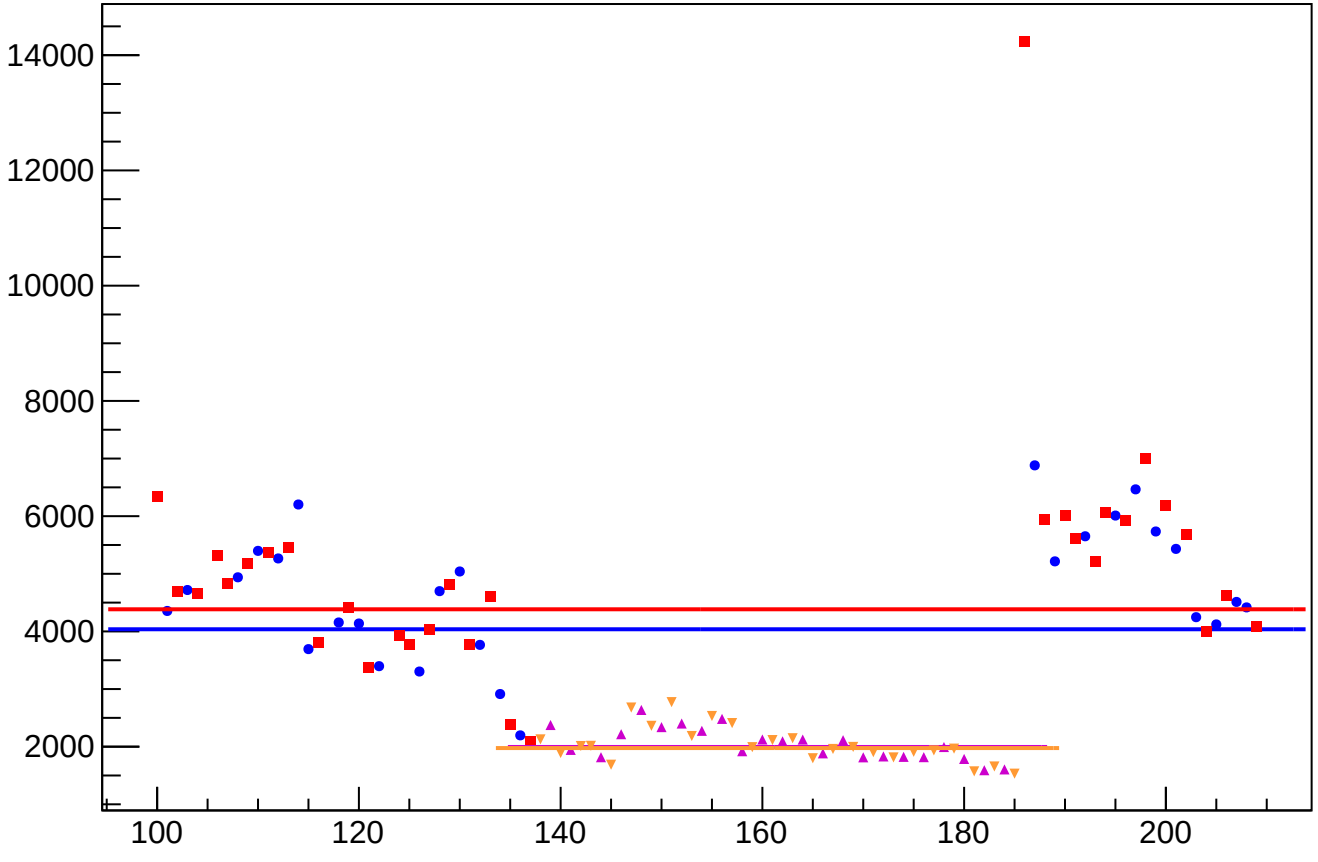
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1407.798+/-418.085 χ^2/NDF: 72.8/51

All: -855.586+/-300.750 χ^2/NDF: 139.6/106

- sign -263.392+/-432.956 χ^2/NDF: 63.2/54

asym_sam2_reg_correction_rms vs Slug



Right In: 4037.462+/-0.752 χ^2/NDF: 2667644.4/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4384.142+/-0.780 χ^2/NDF: 2880813.5/31

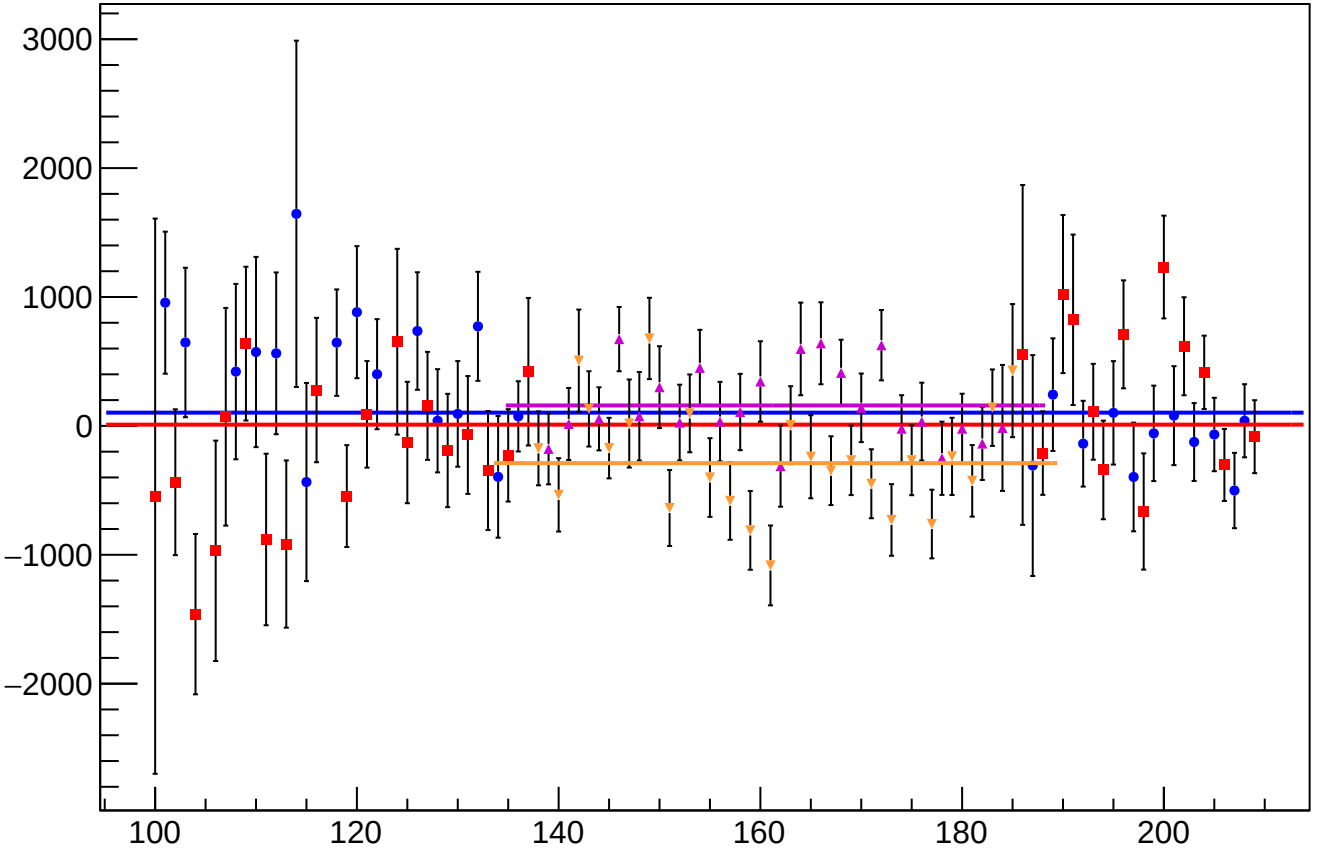
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2294.245+/-0.296 χ^2/NDF: 9779304.6/51

All: 2327.227+/-0.213 χ^2/NDF: 21219724.3/1

- sign 2362.597+/-0.306 χ^2/NDF: 11414625.4/54

cor_asym_sam2_mean vs Slug



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 9.654+/-79.098 χ^2/NDF: 43.8/31

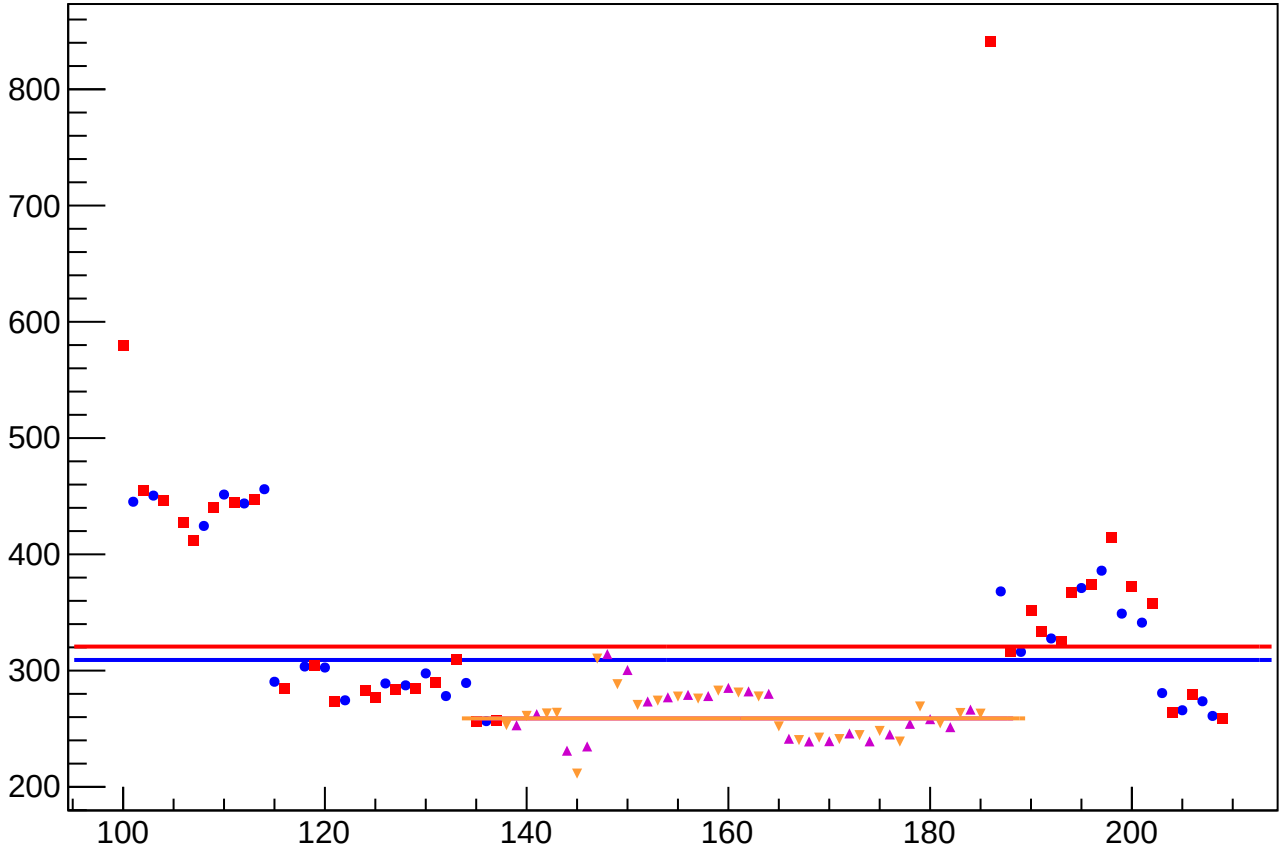
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -148.860+/-47.315 χ^2/NDF: 82.2/51

All: -24.961+/-33.751 χ^2/NDF: 164.7/106

- sign 103.394+/-48.159 χ^2/NDF: 68.5/54

cor_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 320.671+/-0.056 χ^2/NDF: 1431080.0/31

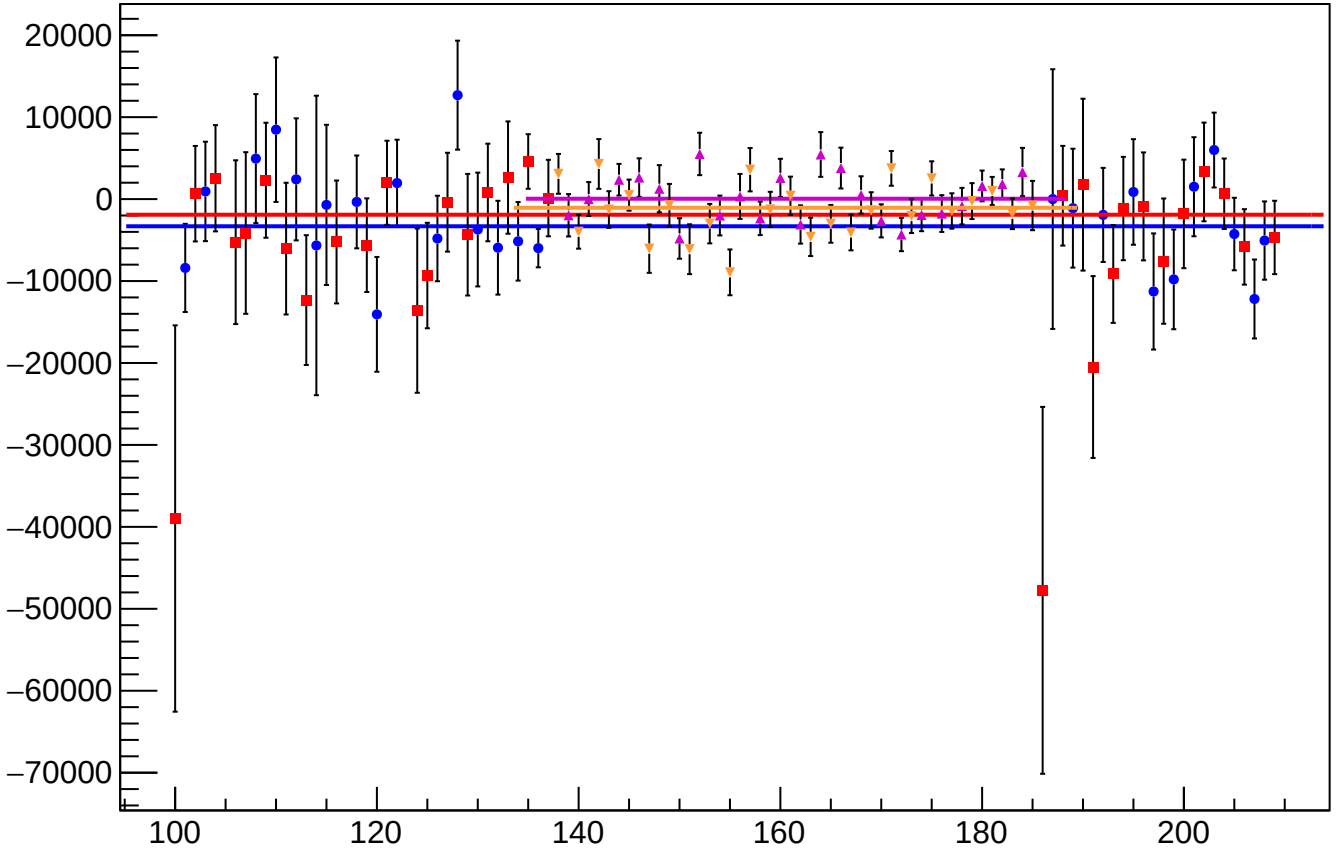
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF: 1688997.5/51

All: 279.278+/-0.024 χ^2/NDF: 4144508.7/106

- sign 281.762+/-0.034 χ^2/NDF: 2445048.9/54

asym_sam2_cor_correction_mean vs Slug



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1906.454+/-1104.330 χ^2/NDF: 25.9/31

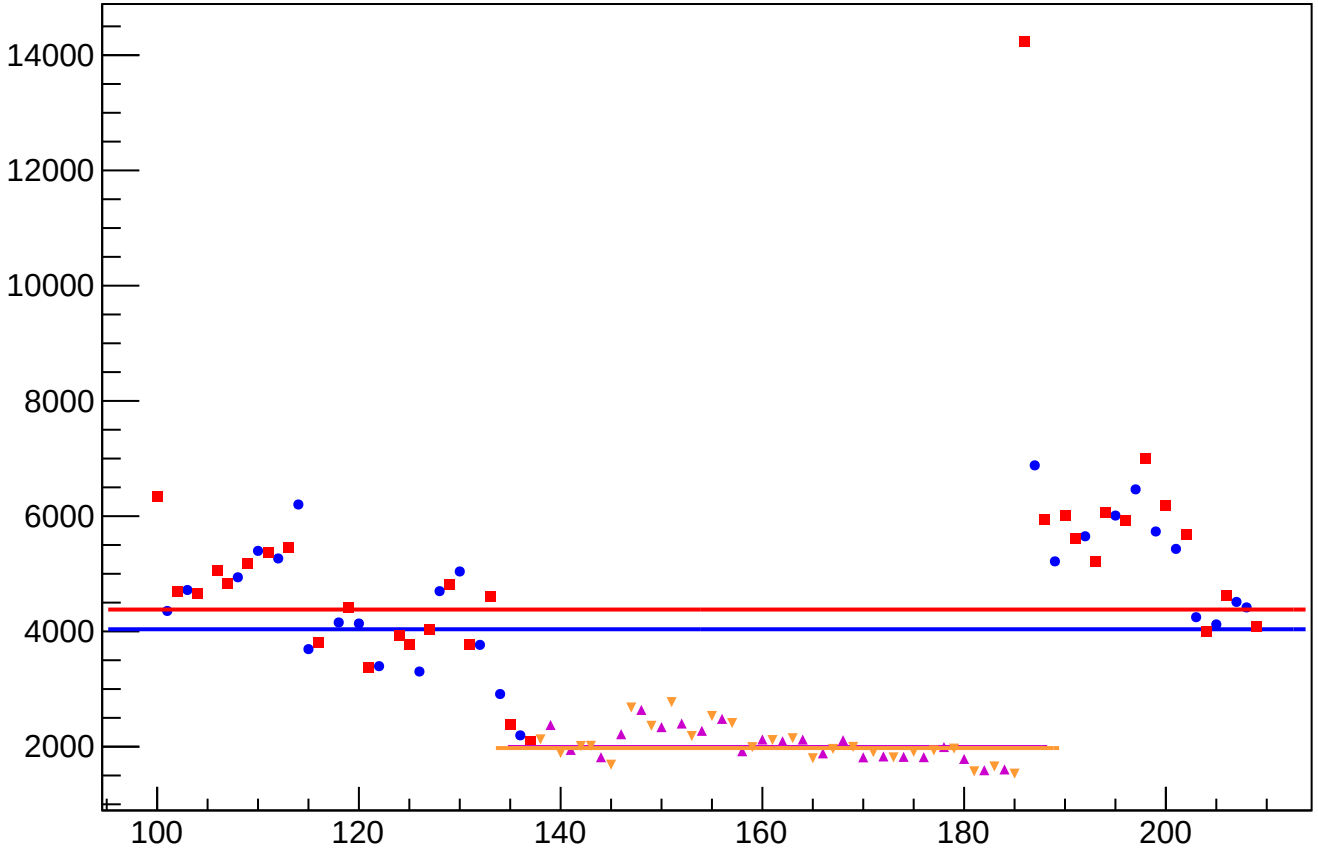
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1407.797+/-418.085 χ^2/NDF: 72.8/51

All: -851.882+/-300.768 χ^2/NDF: 139.2/106

- sign -255.573+/-433.008 χ^2/NDF: 62.7/54

asym_sam2_cor_correction_rms vs Slug



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4379.800+/-0.781 χ^2/NDF: 2870797.4/31

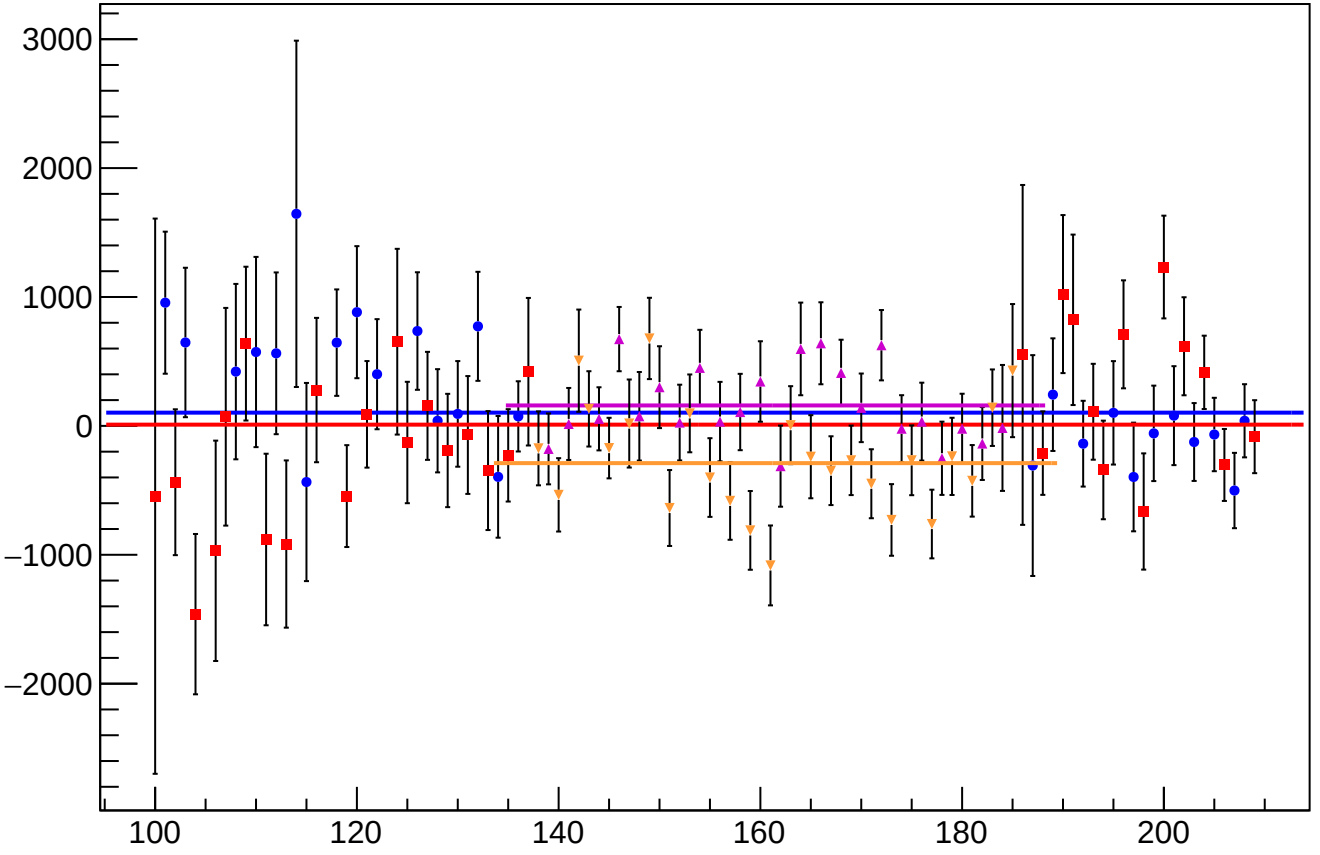
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2294.246+/-0.296 χ^2/NDF: 9779325.3/51

All: 2326.666+/-0.213 χ^2/NDF: 21169568.0/1

- sign 2361.442+/-0.306 χ^2/NDF: 11365315.8/54

eigen_cor_asym_sam2_mean vs Slug



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 9.654+/-79.098 χ^2/NDF: 43.8/31

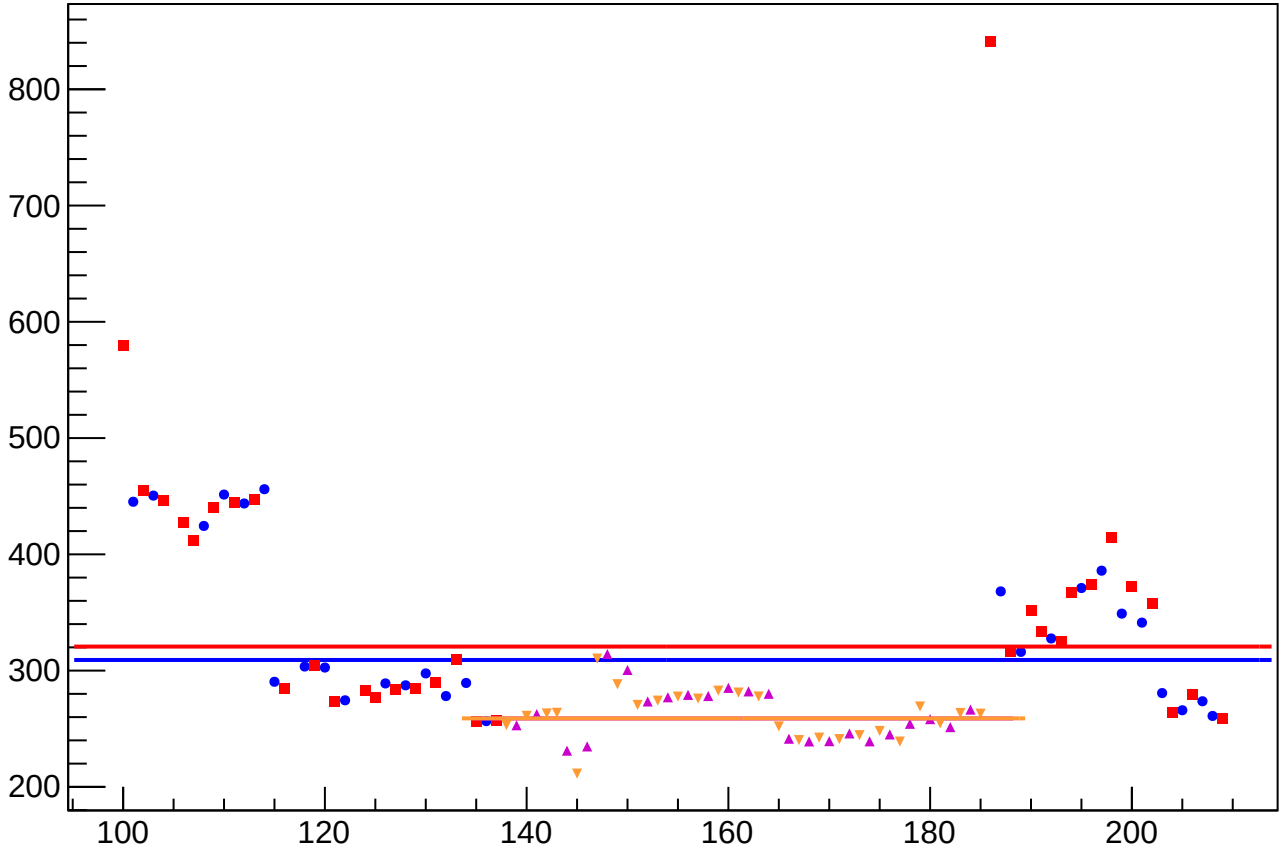
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -148.860+/-47.315 χ^2/NDF: 82.2/51

All: -24.961+/-33.751 χ^2/NDF: 164.7/106

- sign 103.394+/-48.159 χ^2/NDF: 68.5/54

eigen_cor_asym_sam2_rms vs Slug



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

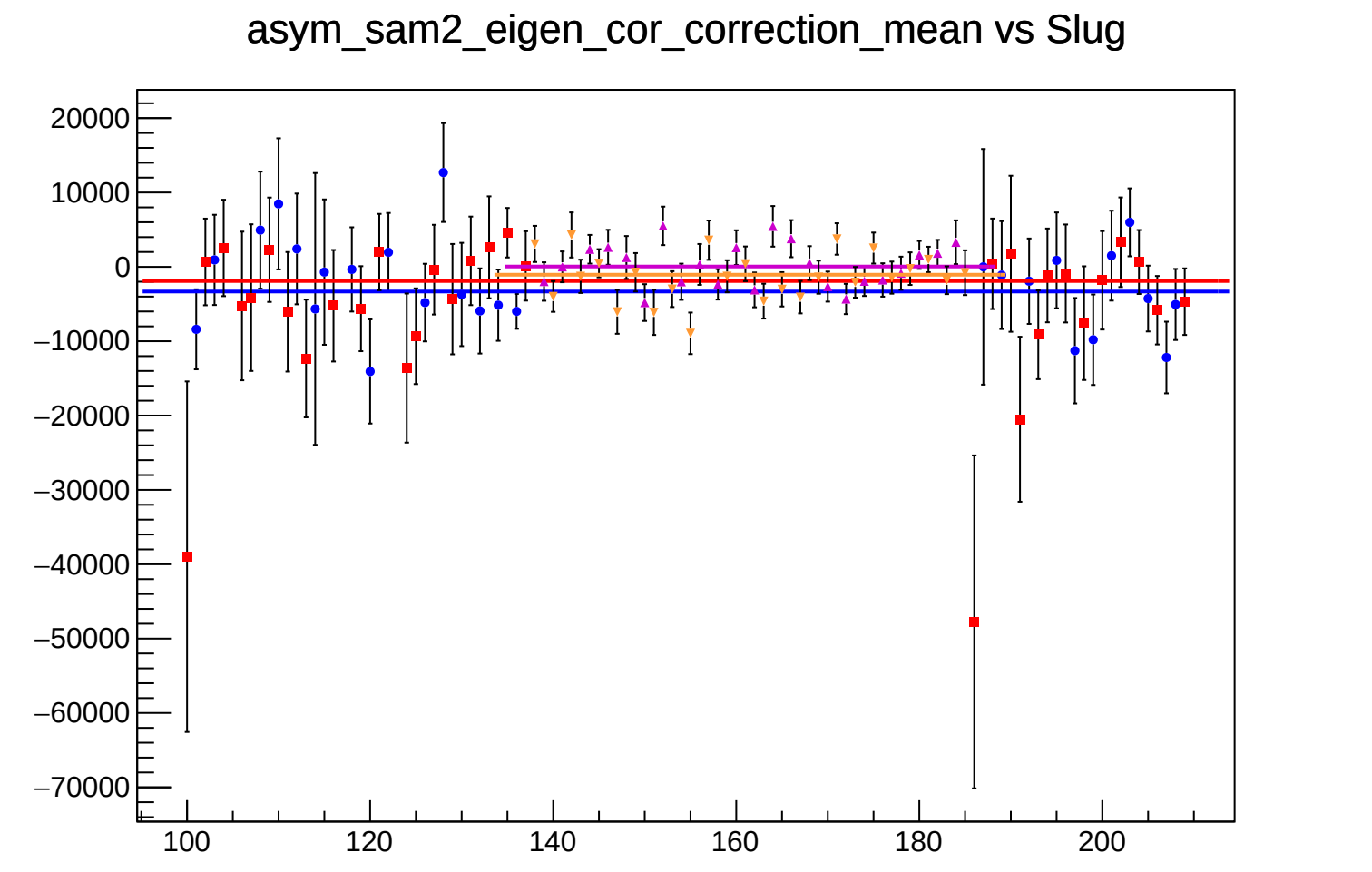
Right Out: 320.671+/-0.056 χ^2/NDF: 1431080.0/31

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.879+/-0.033 χ^2/NDF: 1688997.5/51

All: 279.278+/-0.024 χ^2/NDF: 4144508.7/106

- sign 281.762+/-0.034 χ^2/NDF: 2445048.9/54



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1906.454+/-1104.330 χ^2/NDF: 25.9/31

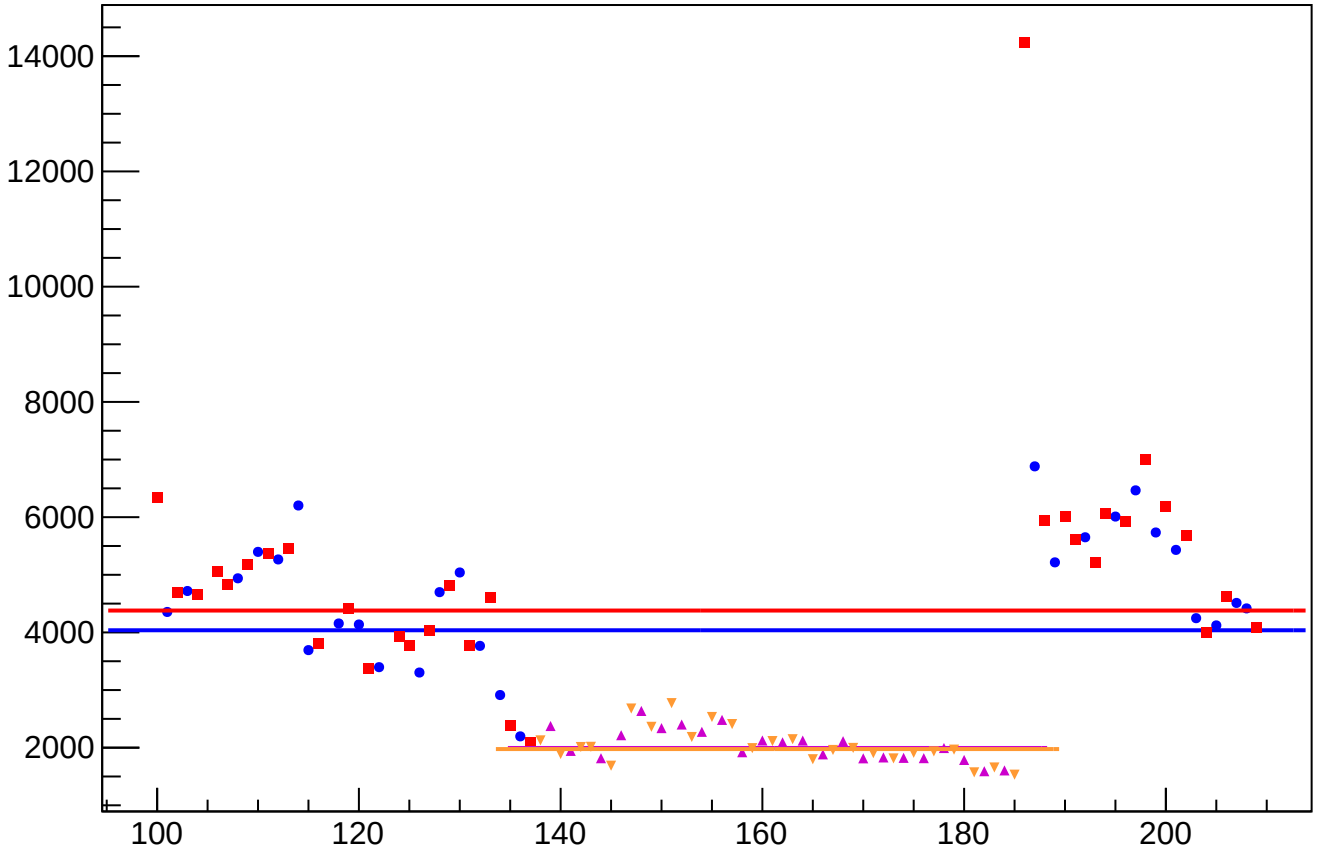
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1407.797+/-418.085 χ^2/NDF: 72.8/51

All: -851.882+/-300.768 χ^2/NDF: 139.2/106

- sign -255.573+/-433.008 χ^2/NDF: 62.7/54

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4379.800+/-0.781 χ^2/NDF: 2870797.4/31

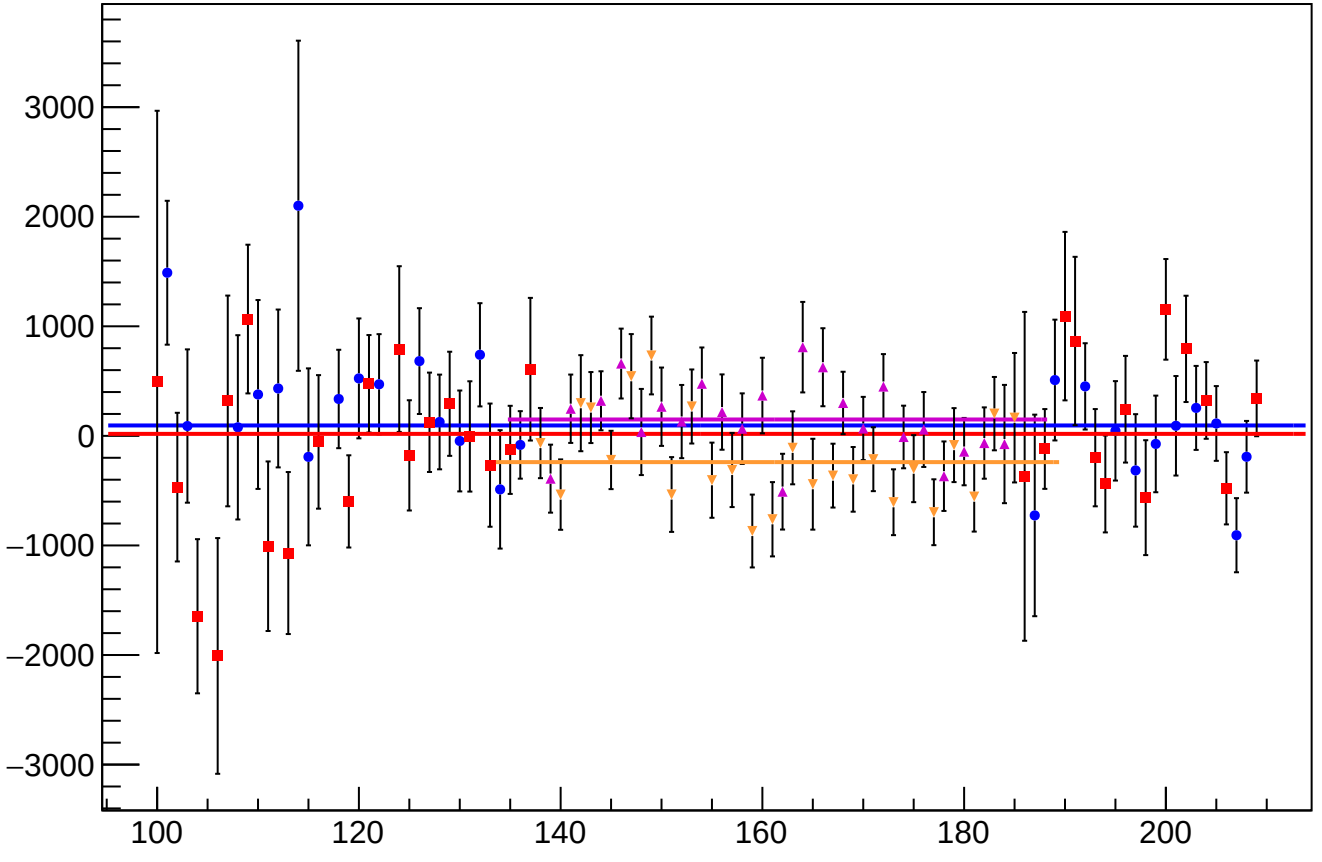
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2294.246+/-0.296 χ^2/NDF: 9779325.3/51

All: 2326.666+/-0.213 χ^2/NDF: 21169568.0/1

- sign 2361.442+/-0.306 χ^2/NDF: 11365315.8/54

dit_asym_sam2_mean vs Slug



Right In: 95.058+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 18.187+/-91.218 χ^2/NDF: 40.8/31

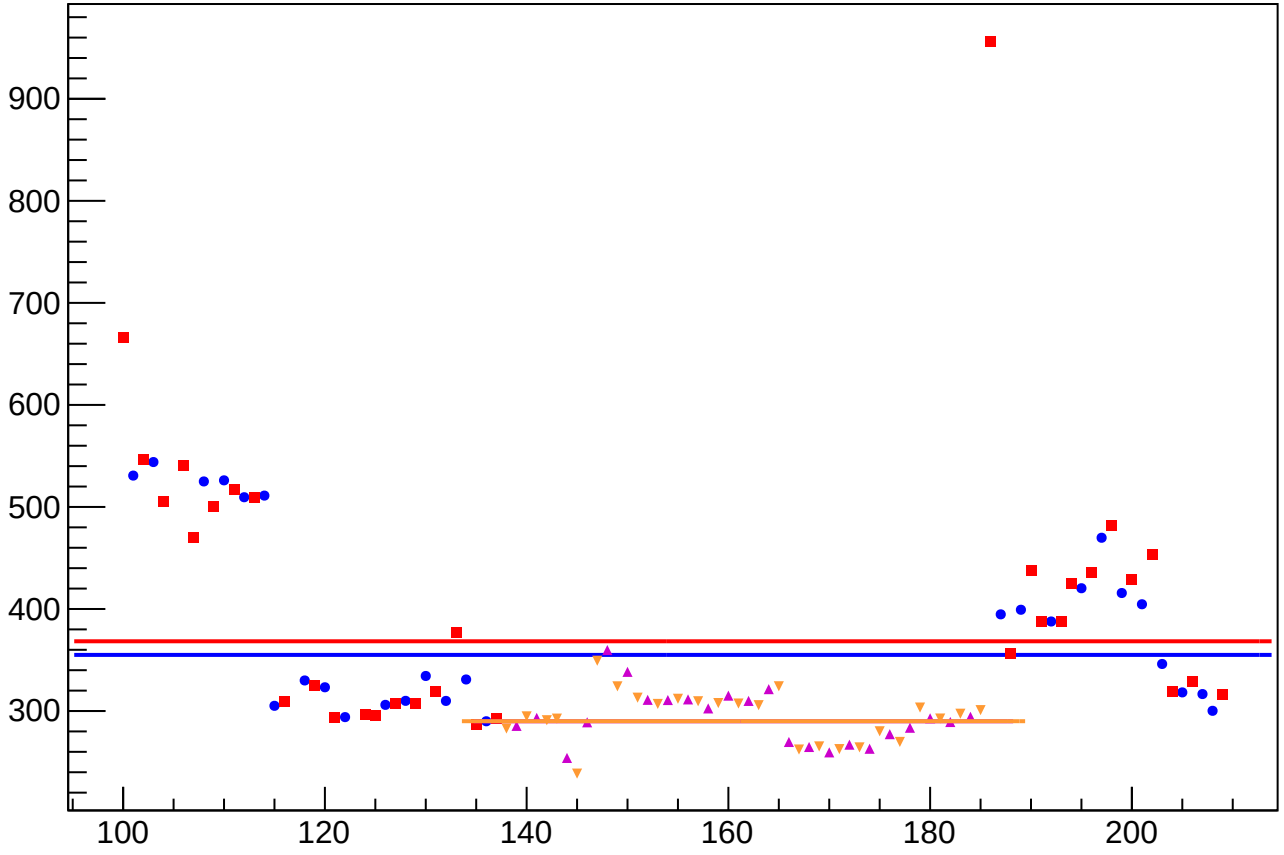
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -124.322+/-53.576 χ^2/NDF: 68.8/51

All: -13.077+/-38.241 χ^2/NDF: 141.5/106

- sign 102.463+/-54.601 χ^2/NDF: 63.9/54

dit_asym_sam2_rms vs Slug



Right In: 355.000+/-0.065 χ^2/NDF: 1116862.8/26

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 368.350+/-0.065 χ^2/NDF: 1597398.1/31

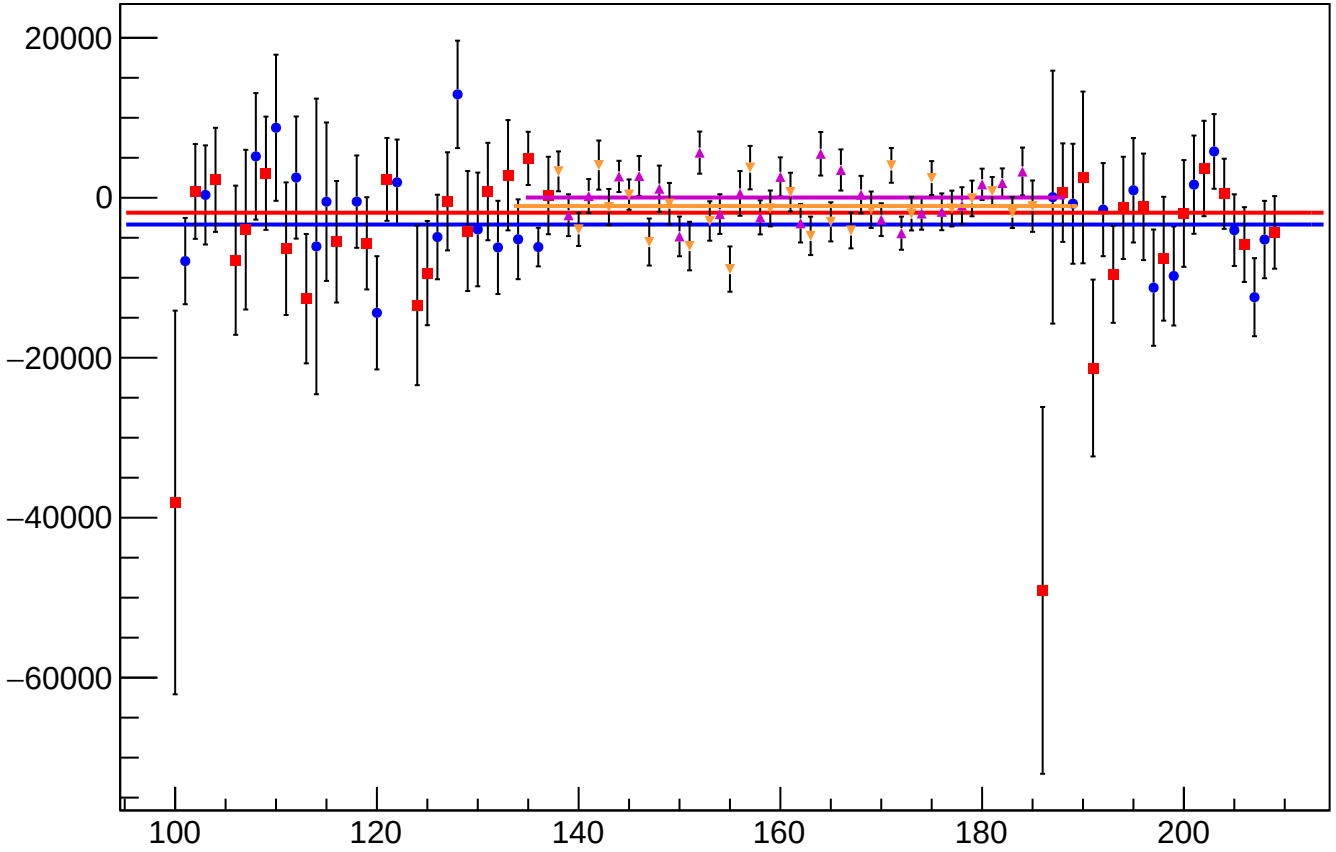
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

\+ sign 312.399+/-0.038 χ^2/NDF: 2061687.2/51

All: 315.163+/-0.027 χ^2/NDF: 4887881.2/106

\- sign 318.034+/-0.039 χ^2/NDF: 2815340.1/54

asym_sam2_dit_correction_mean vs Slug



Right In: -3347.337+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1868.451+/-1116.899 χ^2/NDF: 27.1/31

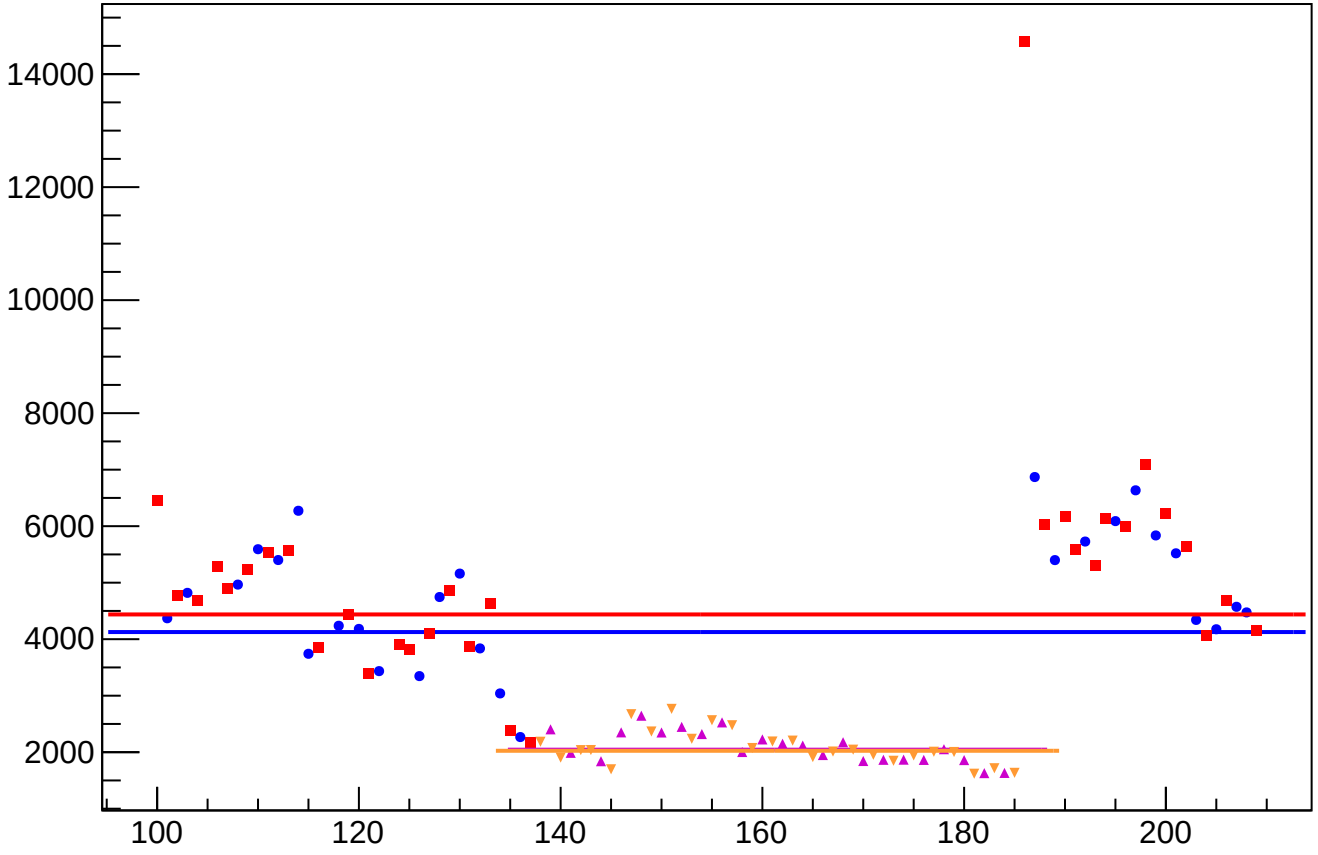
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1395.273+/-427.687 χ^2/NDF: 71.2/51

All: -851.165+/-307.613 χ^2/NDF: 138.2/106

- sign -268.014+/-442.766 χ^2/NDF: 63.6/54

asym_sam2_dit_correction_rms vs Slug



Right In: 4126.267+/-0.768 χ^2/NDF: 2582838.0/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4437.960+/-0.790 χ^2/NDF: 2868284.7/31

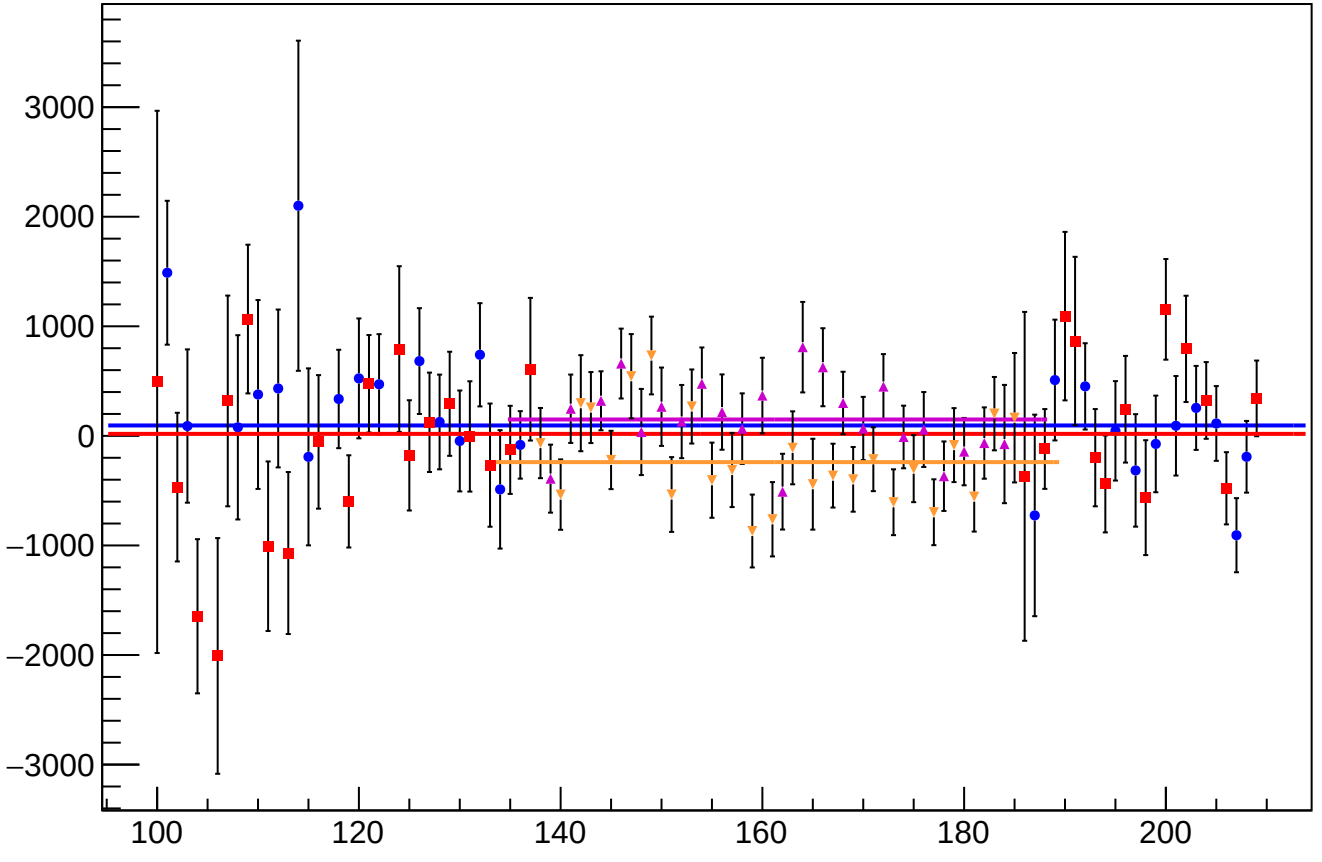
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2351.238+/-0.302 χ^2/NDF: 9613665.4/51

All: 2384.745+/-0.218 χ^2/NDF: 20833278.9/1

- sign 2420.657+/-0.313 χ^2/NDF: 11194180.4/54

eigen_dit_asym_sam2_mean vs Slug



Right In: 95.064+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 18.186+/-91.218 χ^2/NDF: 40.8/31

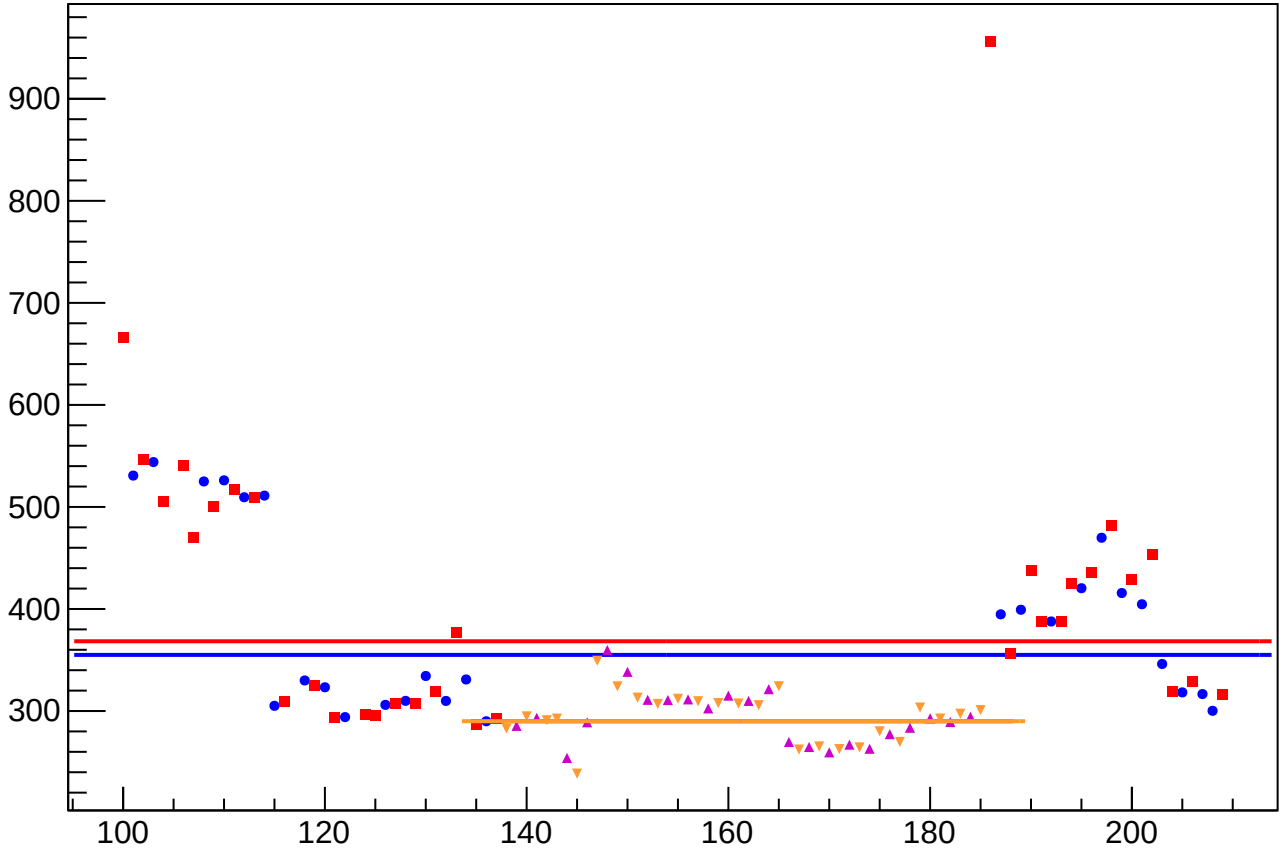
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

\+ sign -124.322+/-53.576 χ^2/NDF: 68.8/51

All: -13.076+/-38.241 χ^2/NDF: 141.5/106

\- sign 102.463+/-54.601 χ^2/NDF: 63.9/54

eigen_dit_asym_sam2_rms vs Slug



Right In: 354.999+/-0.065 χ^2/NDF: 1116857.0/26

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 368.349+/-0.065 χ^2/NDF: 1597387.8/31

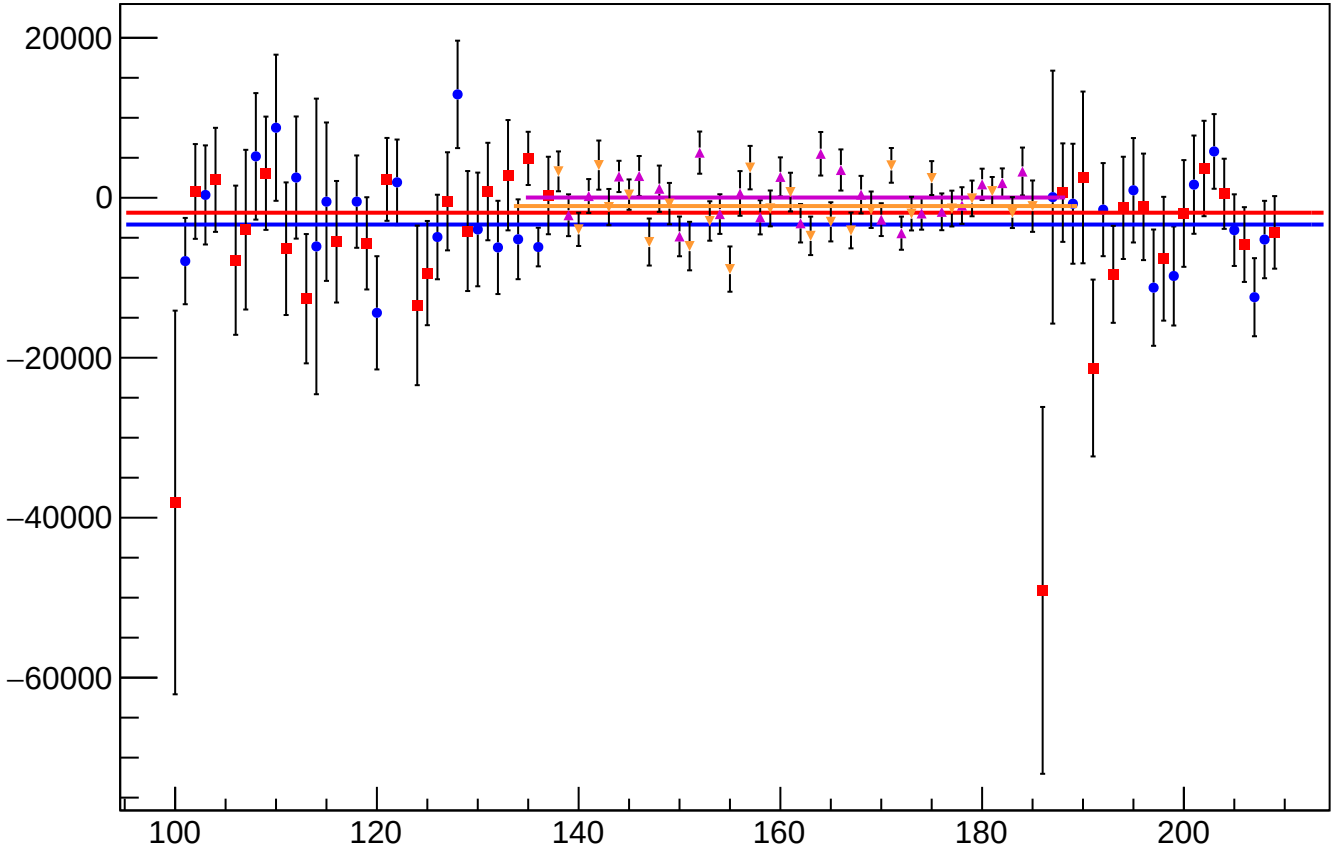
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.398+/-0.038 χ^2/NDF: 2061669.4/51

All: 315.163+/-0.027 χ^2/NDF: 4887848.4/106

- sign 318.034+/-0.039 χ^2/NDF: 2815324.9/54

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3347.332+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1868.453+/-1116.898 χ^2/NDF: 27.1/31

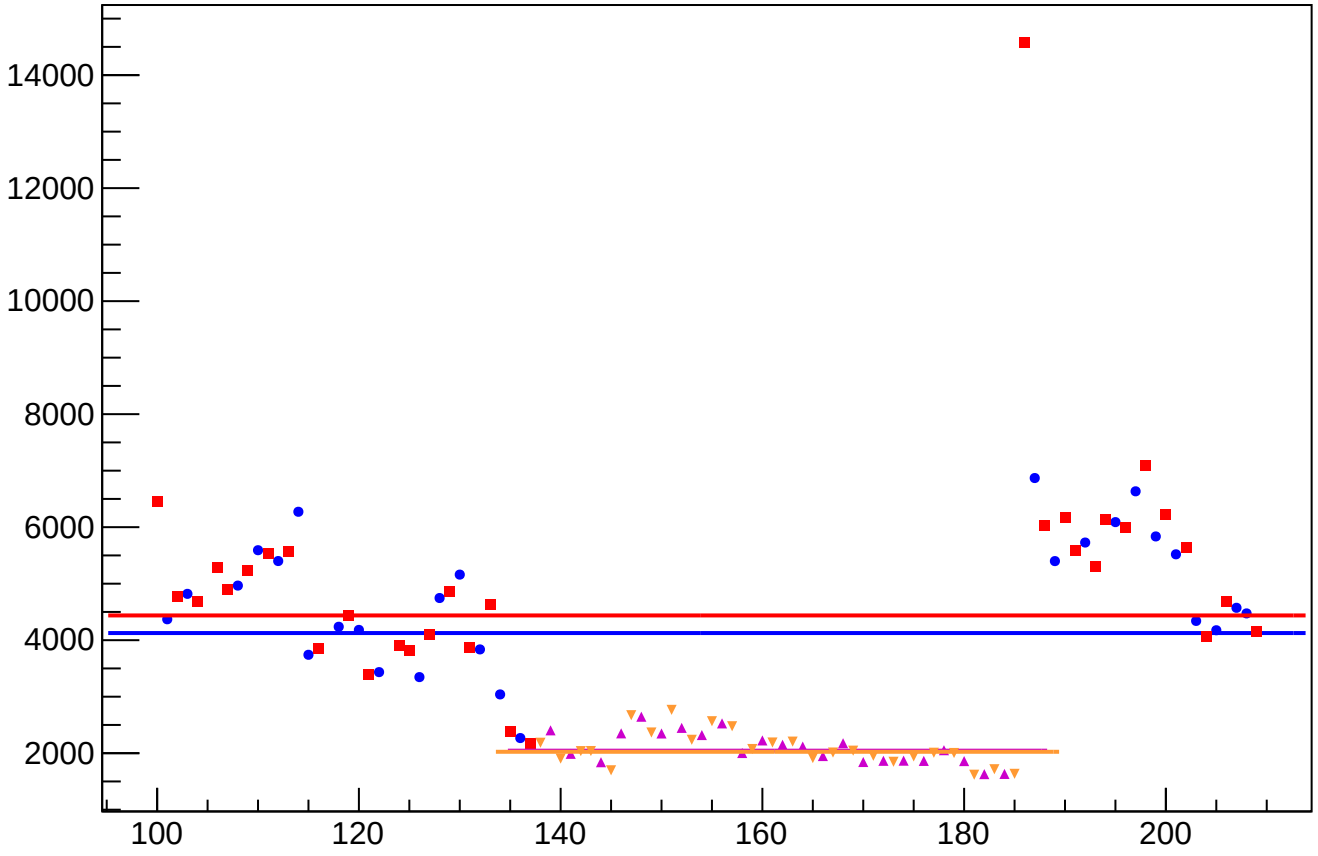
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1395.273+/-427.687 χ^2/NDF: 71.2/51

All: -851.166+/-307.613 χ^2/NDF: 138.2/106

- sign -268.016+/-442.766 χ^2/NDF: 63.6/54

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4126.265+/-0.768 χ^2/NDF: 2582829.4/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4437.958+/-0.790 χ^2/NDF: 2868280.2/31

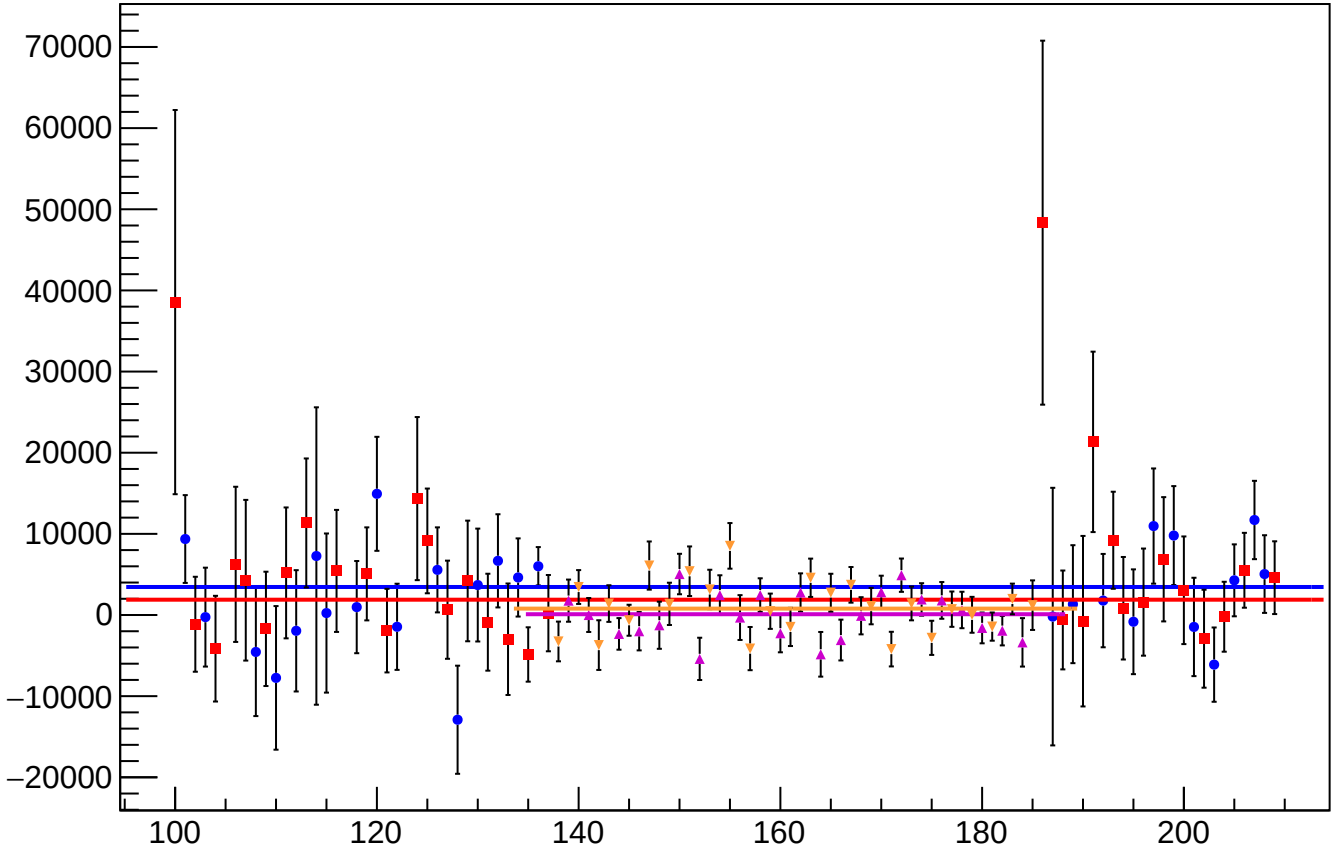
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2351.238+/-0.302 χ^2/NDF: 9613652.7/51

All: 2384.745+/-0.218 χ^2/NDF: 20833259.3/1

- sign 2420.657+/-0.313 χ^2/NDF: 11194174.0/54

asym_sam2_mean vs Slug



Right In: 3453.155+/-1068.010 χ^2/NDF: 27.3/26

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1886.733+/-1107.187 χ^2/NDF: 26.0/31

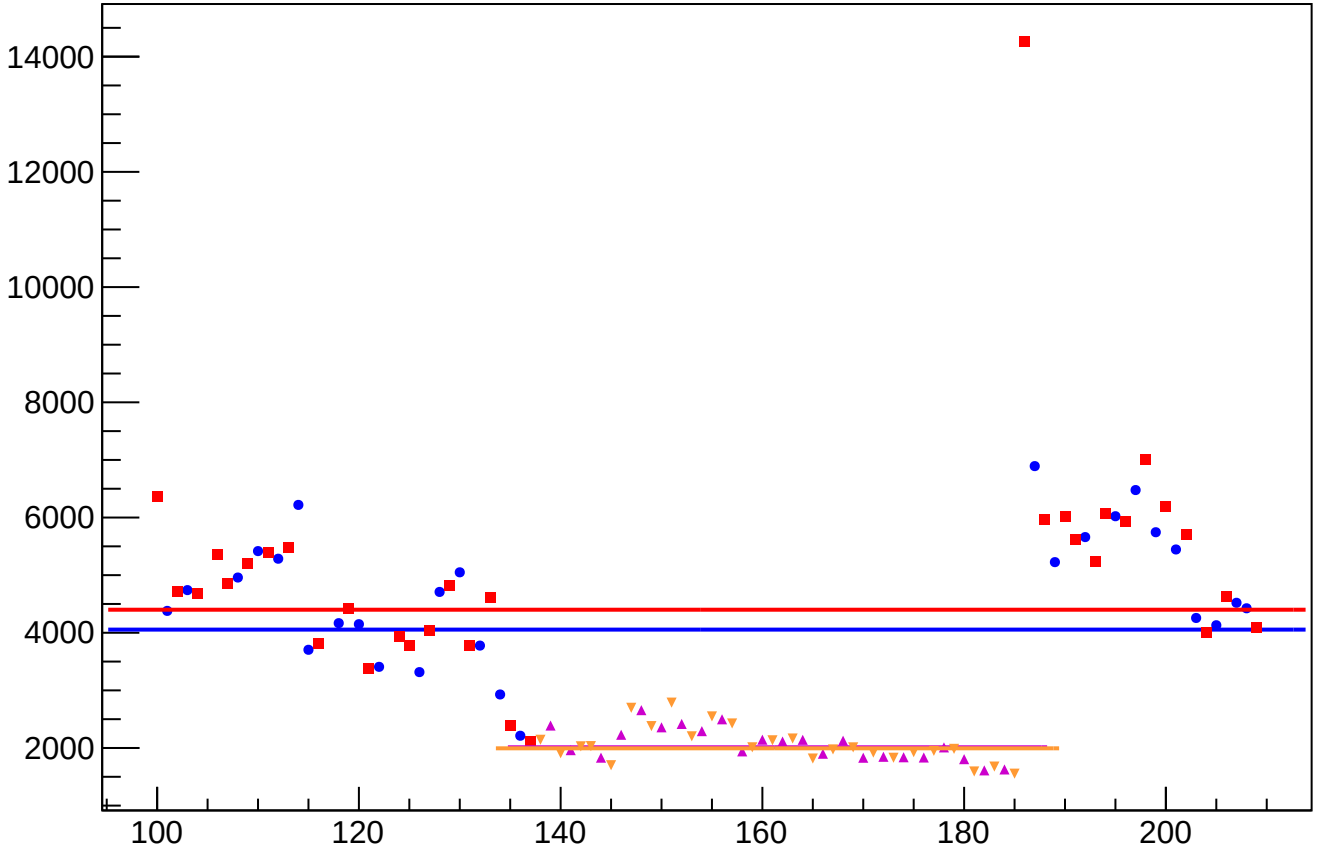
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1203.368+/-421.492 χ^2/NDF: 73.9/51

All: 803.468+/-303.169 χ^2/NDF: 136.8/106

- sign 374.802+/-436.388 χ^2/NDF: 61.0/54

asym_sam2_rms vs Slug



Right In: 4054.792+/-0.755 χ^2/NDF: 2637807.0/26

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

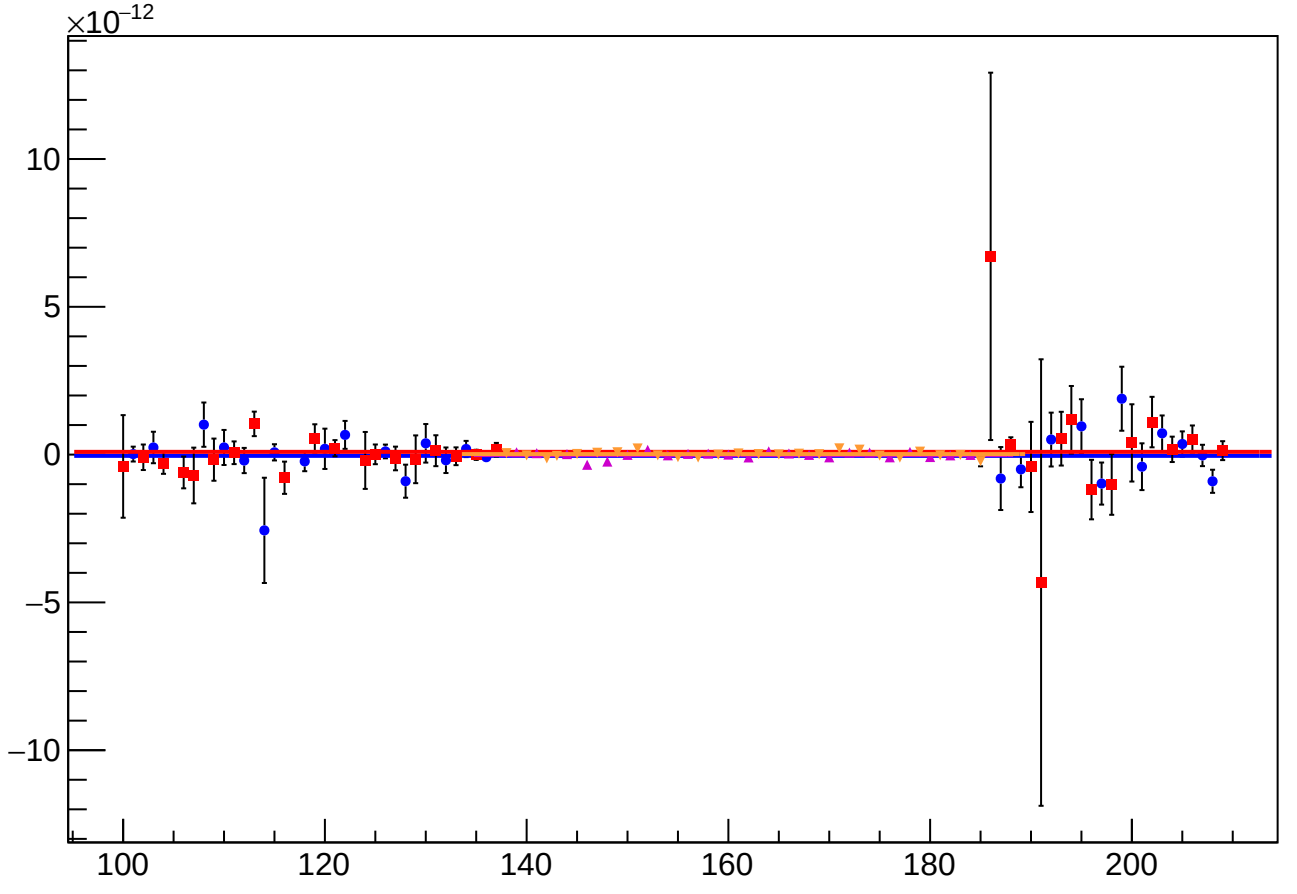
Right Out: 4400.023+/-0.783 χ^2/NDF: 2859591.7/31

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2315.175+/-0.298 χ^2/NDF: 9669447.3/51

All: 2348.179+/-0.214 χ^2/NDF: 20995725.0/1

- sign 2383.557+/-0.309 χ^2/NDF: 11300869.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/31

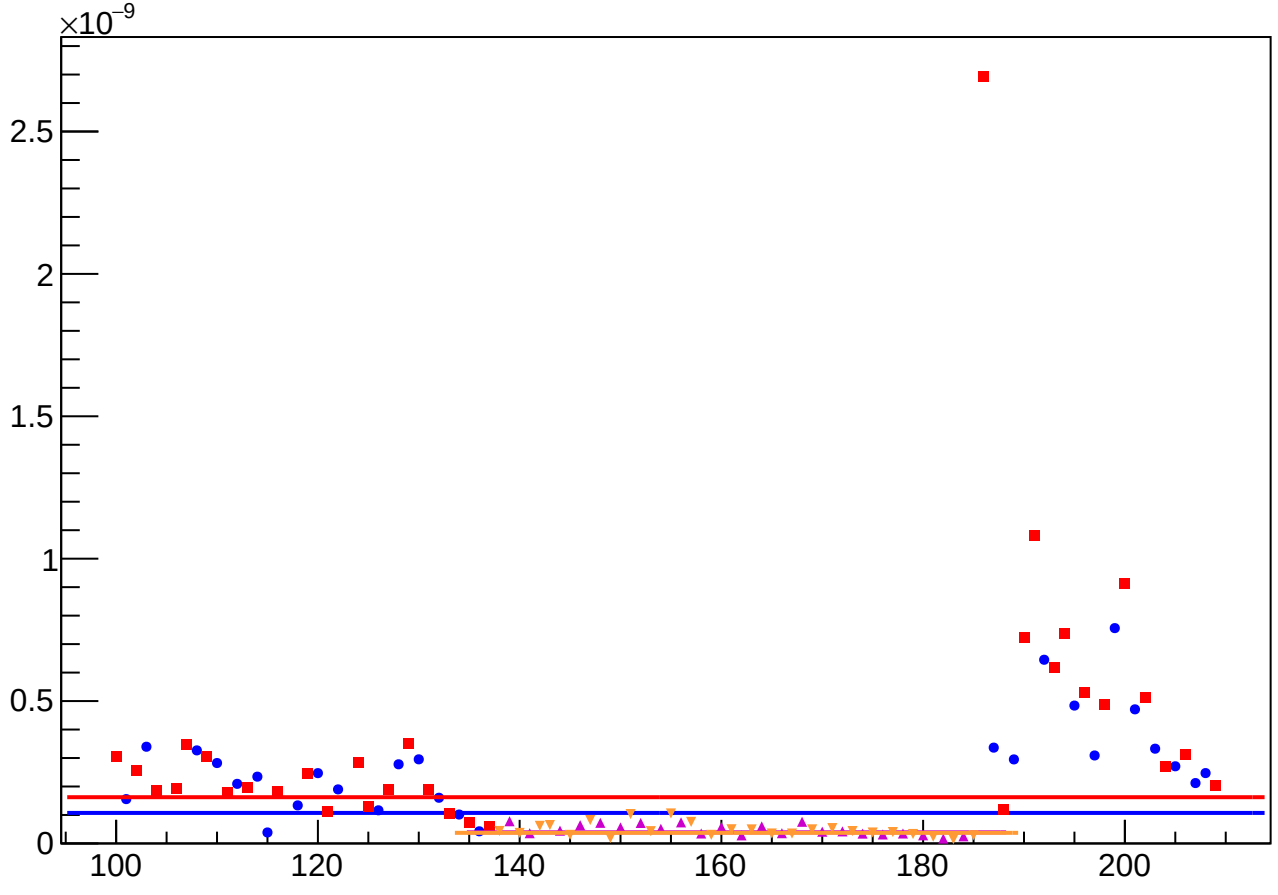
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.3/51

All: 0.000+/-0.000 χ^2/NDF: 106.3/106

- sign -0.000+/-0.000 χ^2/NDF: 55.8/54

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6642610.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5151303.5/31

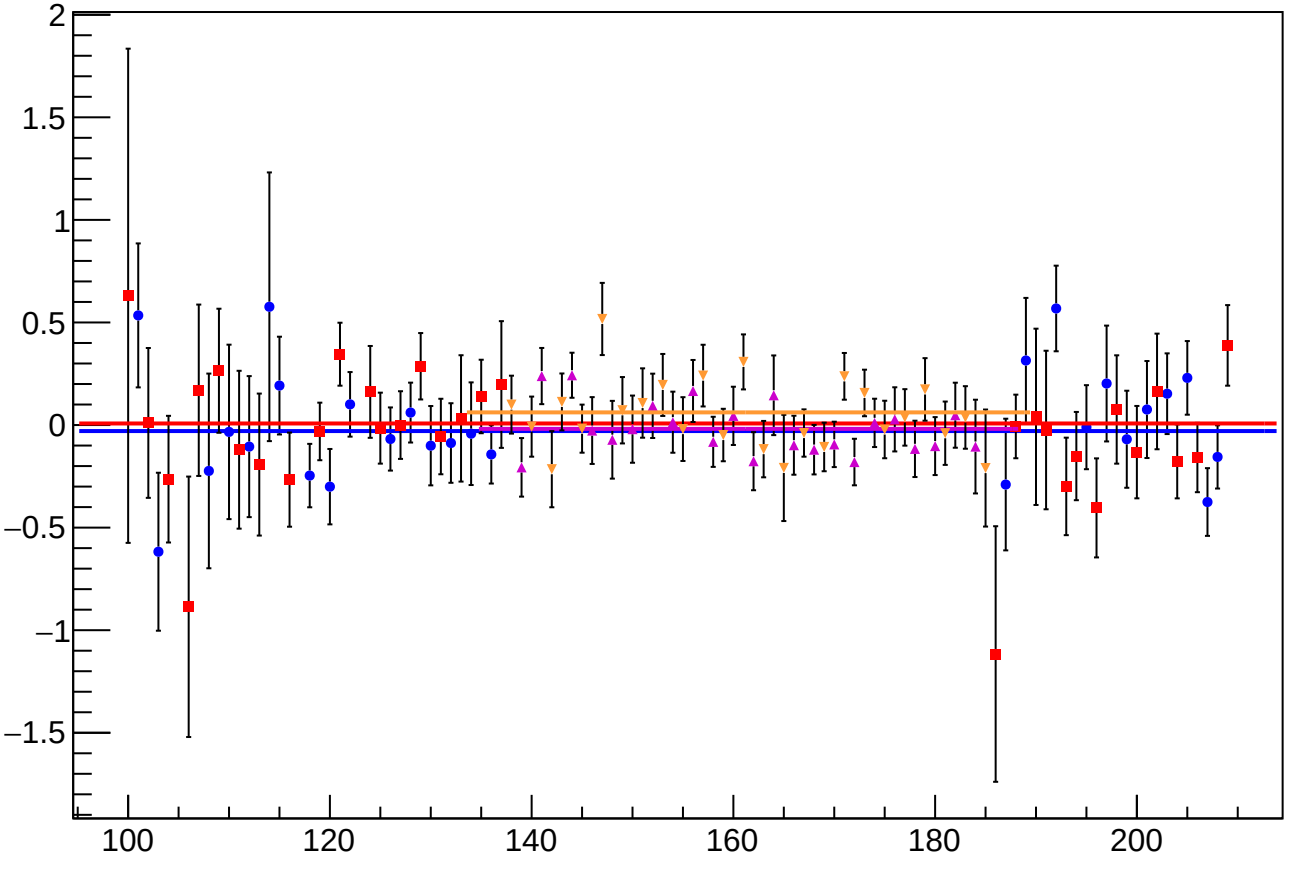
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11750468.7/51

All: 0.000+/-0.000 χ^2/NDF: 24181100.7/106

- sign 0.000+/-0.000 χ^2/NDF: 12393960.3/54

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.008+/-0.040 χ^2/NDF: 30.1/31

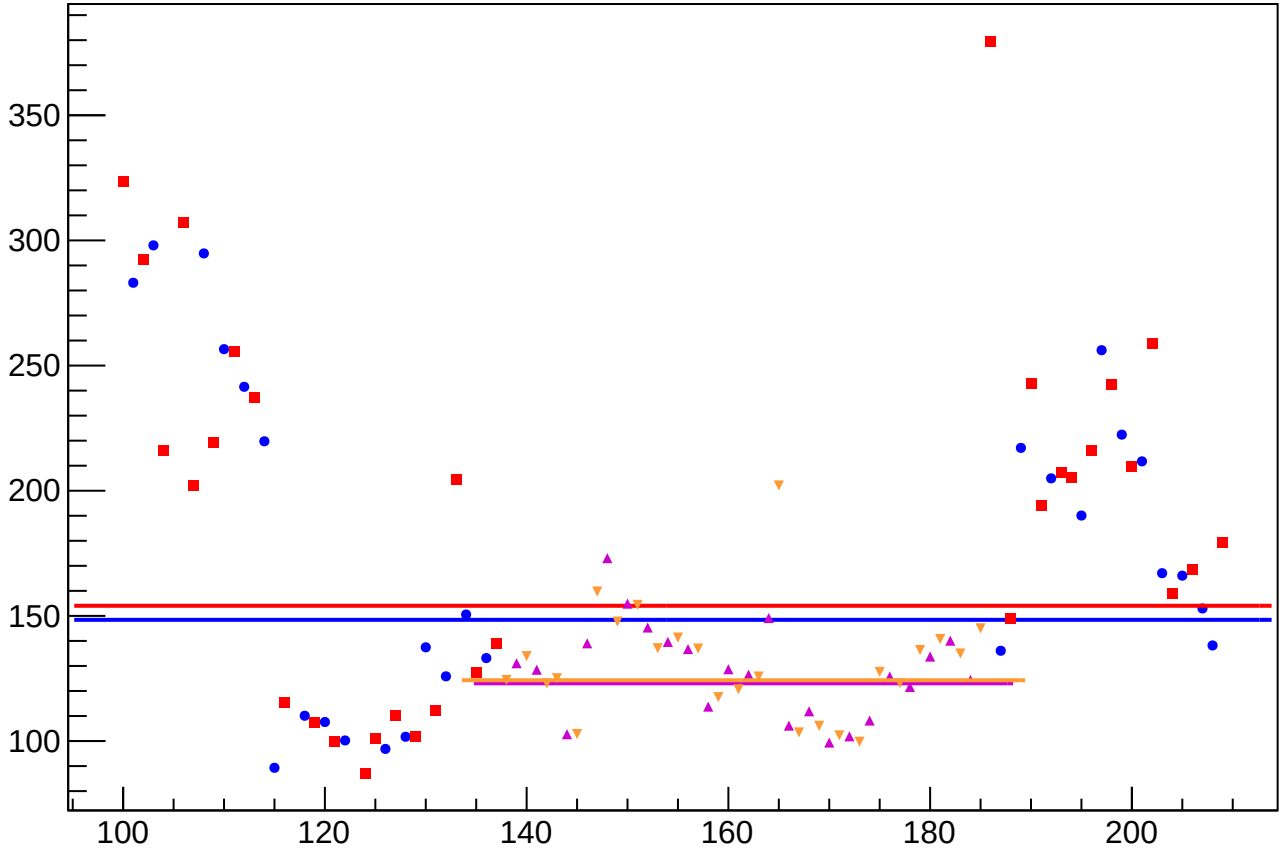
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.011+/-0.017 χ^2/NDF: 115.1/106

- sign -0.009+/-0.024 χ^2/NDF: 50.7/54

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 154.044+/-0.028 χ^2/NDF: 3734741.5/31

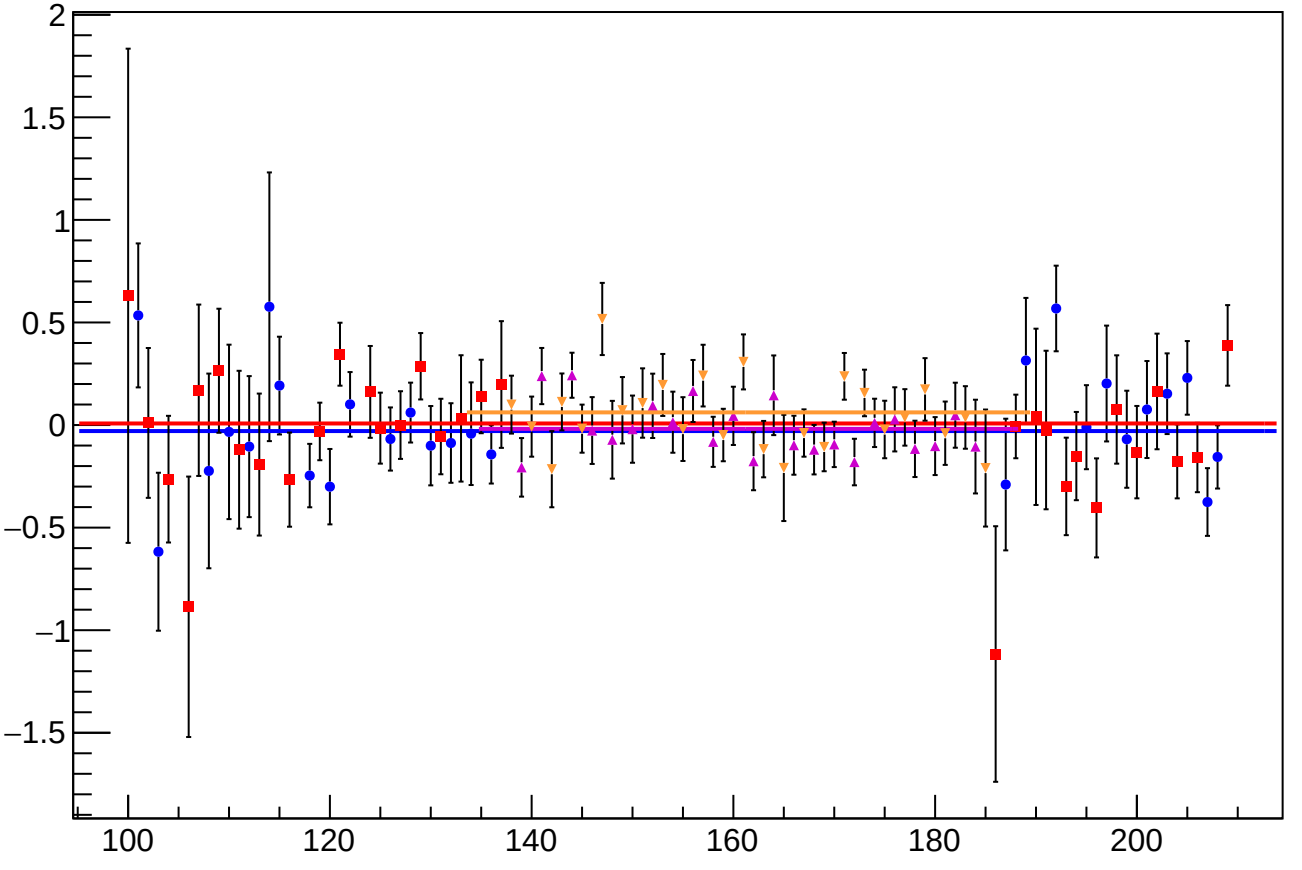
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438237.9/51

All: 133.187+/-0.012 χ^2/NDF: 9676986.2/106

- sign 133.911+/-0.017 χ^2/NDF: 5235043.1/54

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.008+/-0.040 χ^2/NDF: 30.1/31

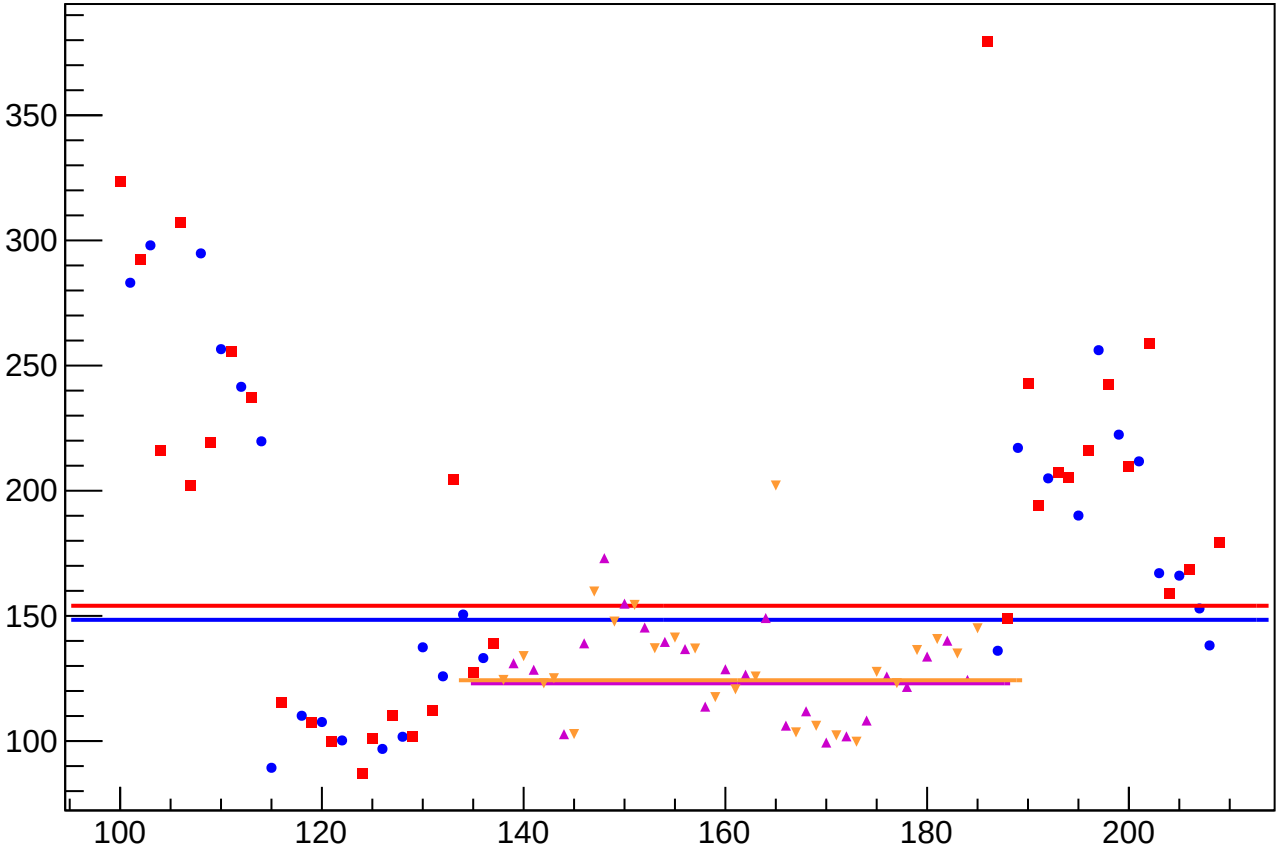
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.011+/-0.017 χ^2/NDF: 115.1/106

- sign -0.009+/-0.024 χ^2/NDF: 50.7/54

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

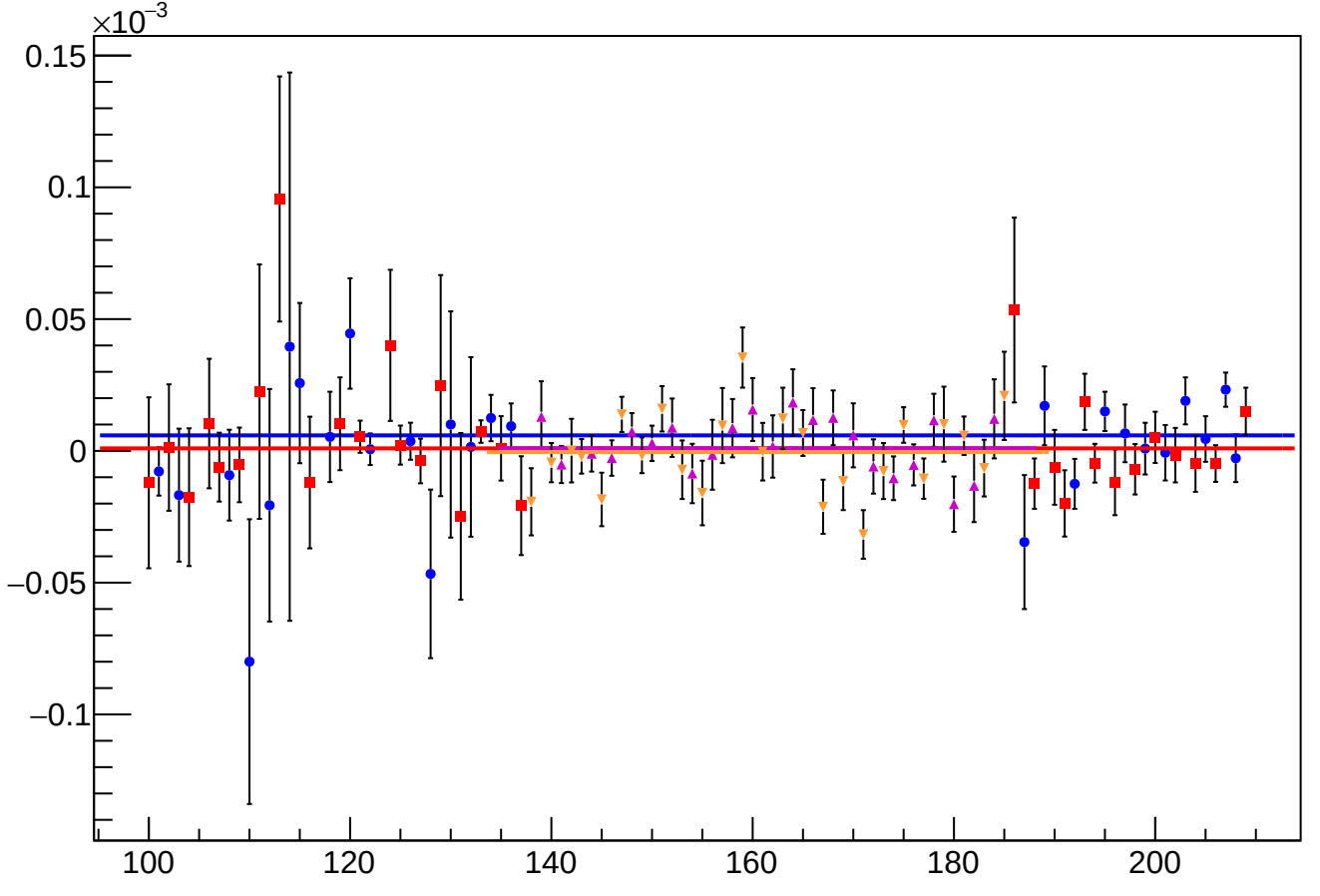
Right Out: 154.044+/-0.028 χ^2/NDF: 3734741.5/31

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438237.9/51

All: 133.187+/-0.012 χ^2/NDF: 9676986.2/106

- sign 133.911+/-0.017 χ^2/NDF: 5235043.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/31

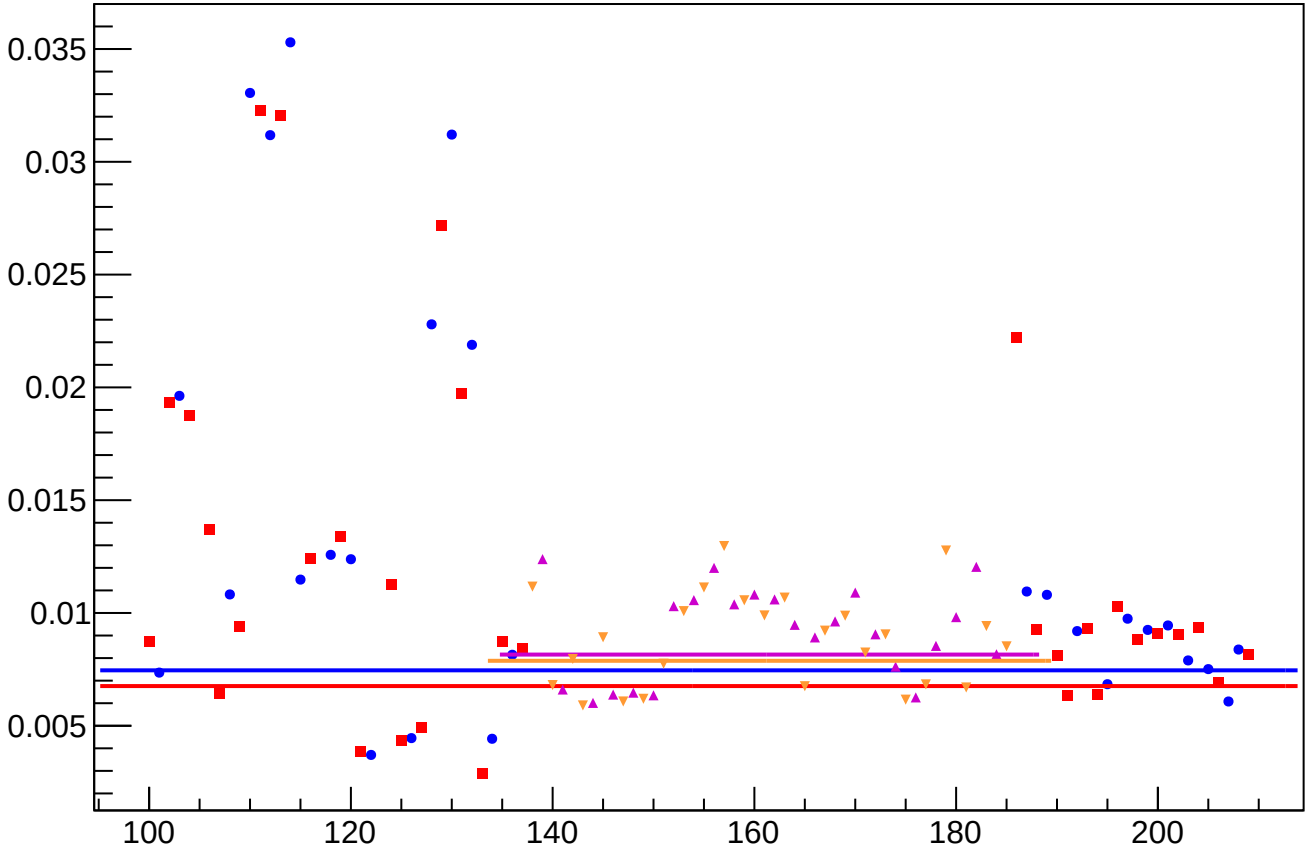
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.8/51

All: 0.000+/-0.000 χ^2/NDF: 141.7/106

- sign 0.000+/-0.000 χ^2/NDF: 49.5/54

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5427647.1/26

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7394491.6/31

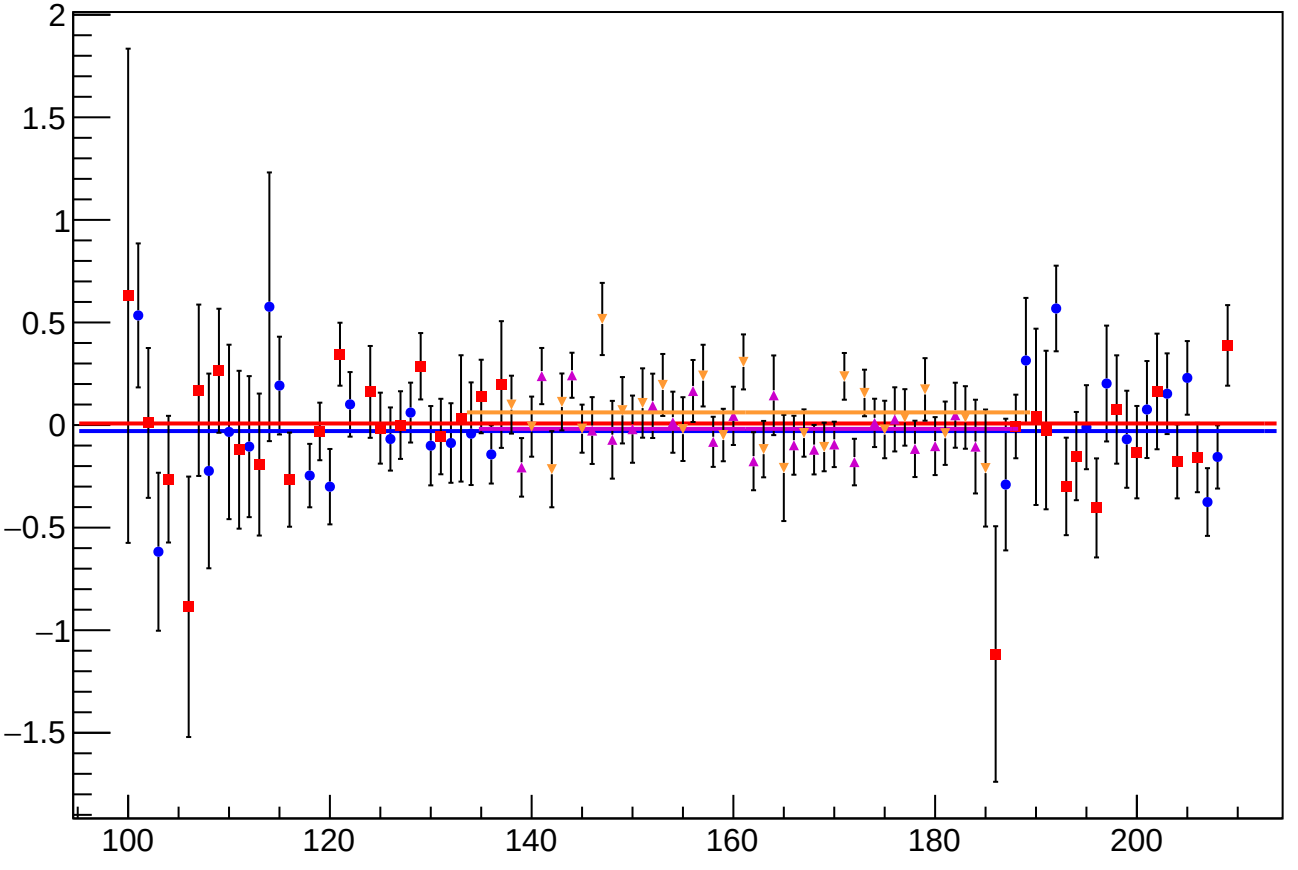
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7549777.0/51

All: 0.008+/-0.000 χ^2/NDF: 17517883.8/106

- sign 0.007+/-0.000 χ^2/NDF: 9930003.6/54

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.008+/-0.040 χ^2/NDF: 30.1/31

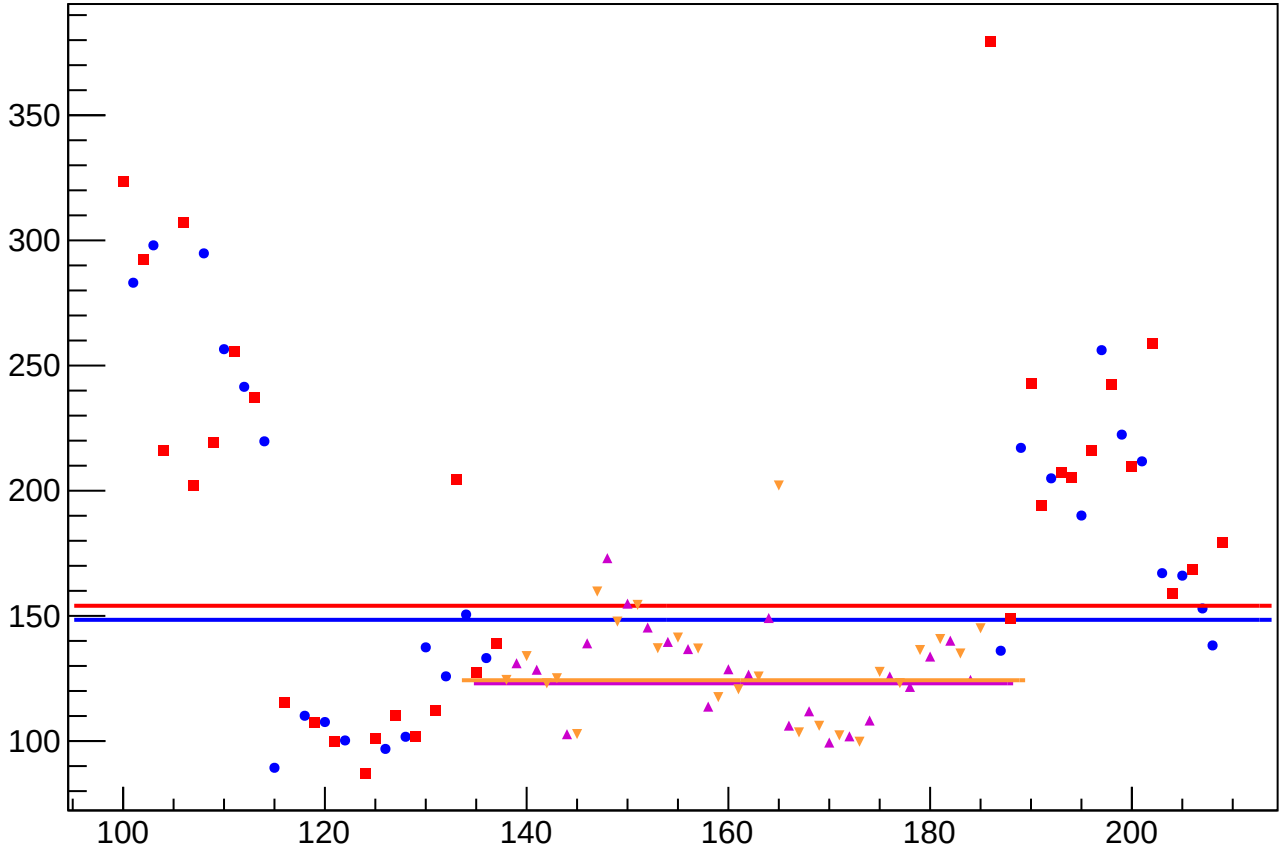
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.011+/-0.017 χ^2/NDF: 115.1/106

- sign -0.009+/-0.024 χ^2/NDF: 50.7/54

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

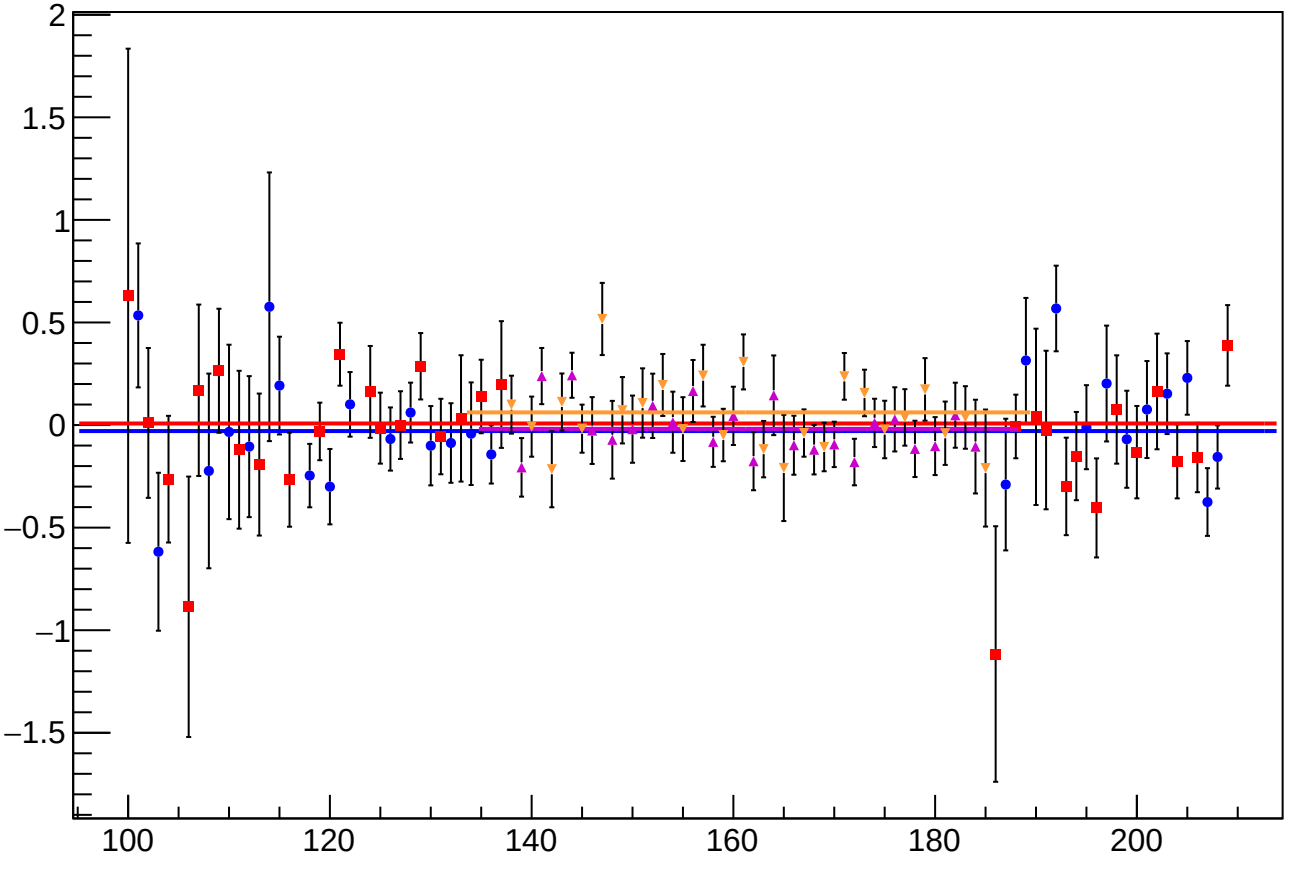
Right Out: 154.041+/-0.028 χ^2/NDF: 3734875.3/31

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438266.1/51

All: 133.186+/-0.012 χ^2/NDF: 9677078.0/106

- sign 133.911+/-0.017 χ^2/NDF: 5235107.1/54



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.008+/-0.040 χ^2/NDF: 30.1/31

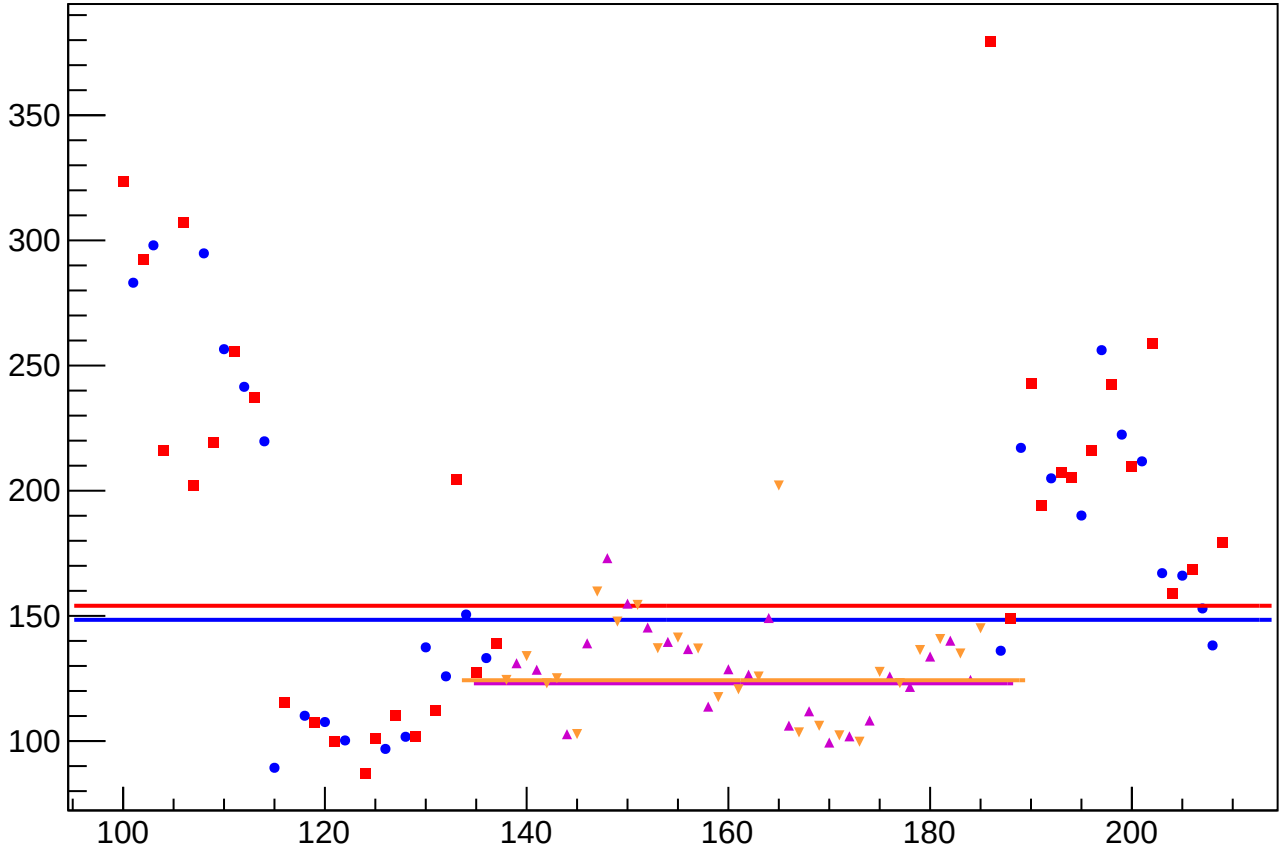
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.031+/-0.023 χ^2/NDF: 62.9/51

All: 0.011+/-0.017 χ^2/NDF: 115.1/106

- sign -0.009+/-0.024 χ^2/NDF: 50.7/54

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 154.041+/-0.028 χ^2/NDF: 3734875.3/31

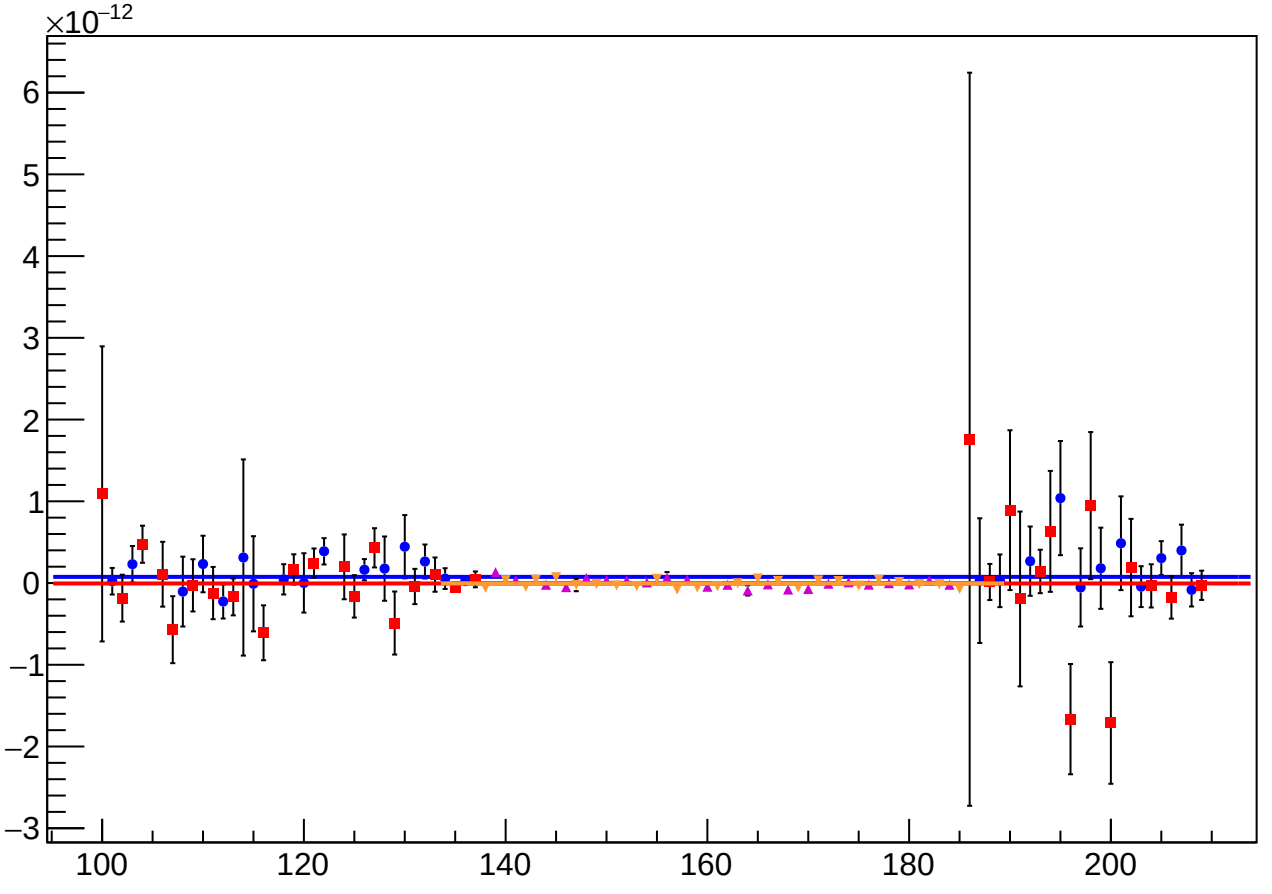
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 132.482+/-0.016 χ^2/NDF: 4438266.1/51

All: 133.186+/-0.012 χ^2/NDF: 9677078.0/106

- sign 133.911+/-0.017 χ^2/NDF: 5235107.1/54

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/31

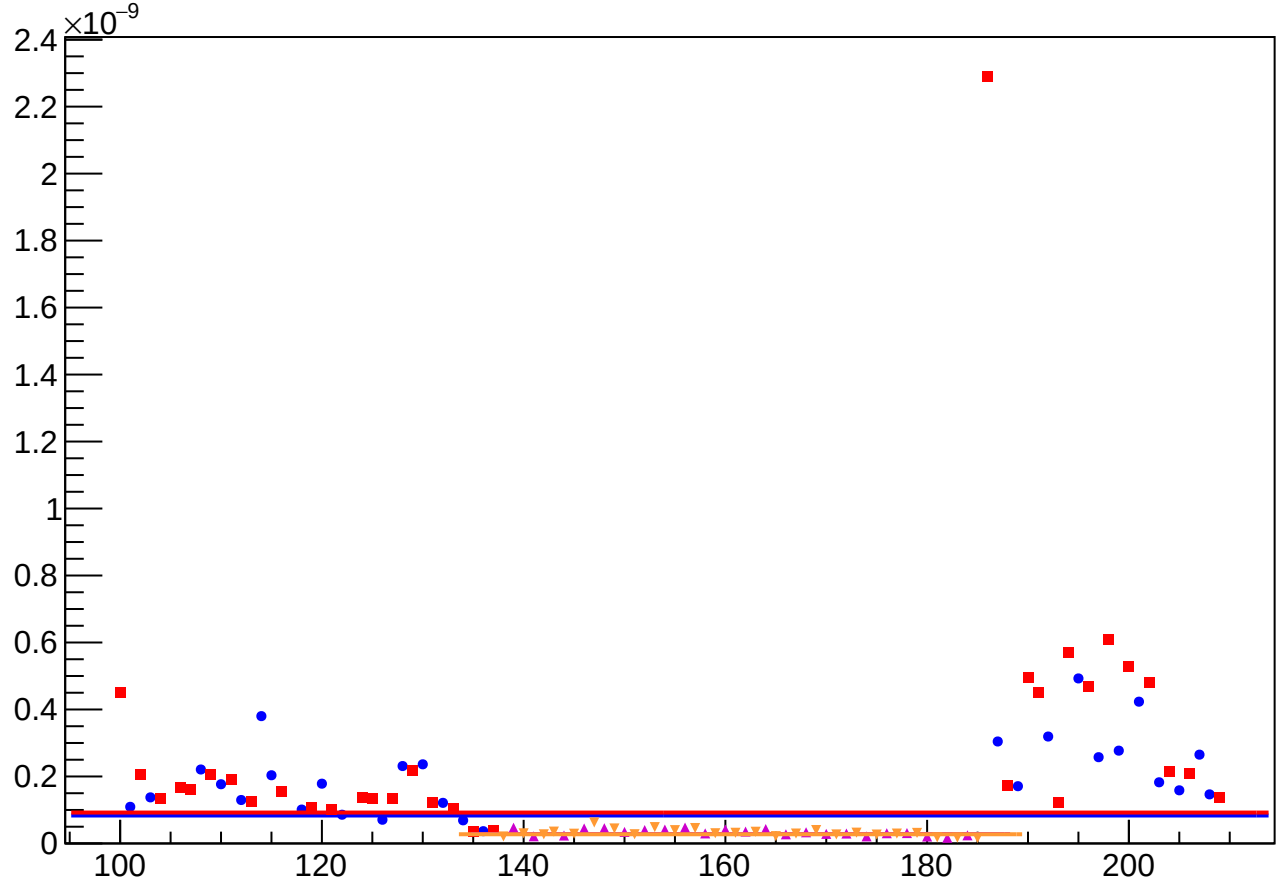
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.1/51

All: -0.000+/-0.000 χ^2/NDF: 106.6/106

- sign -0.000+/-0.000 χ^2/NDF: 60.4/54

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7921206.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10036544.4/31

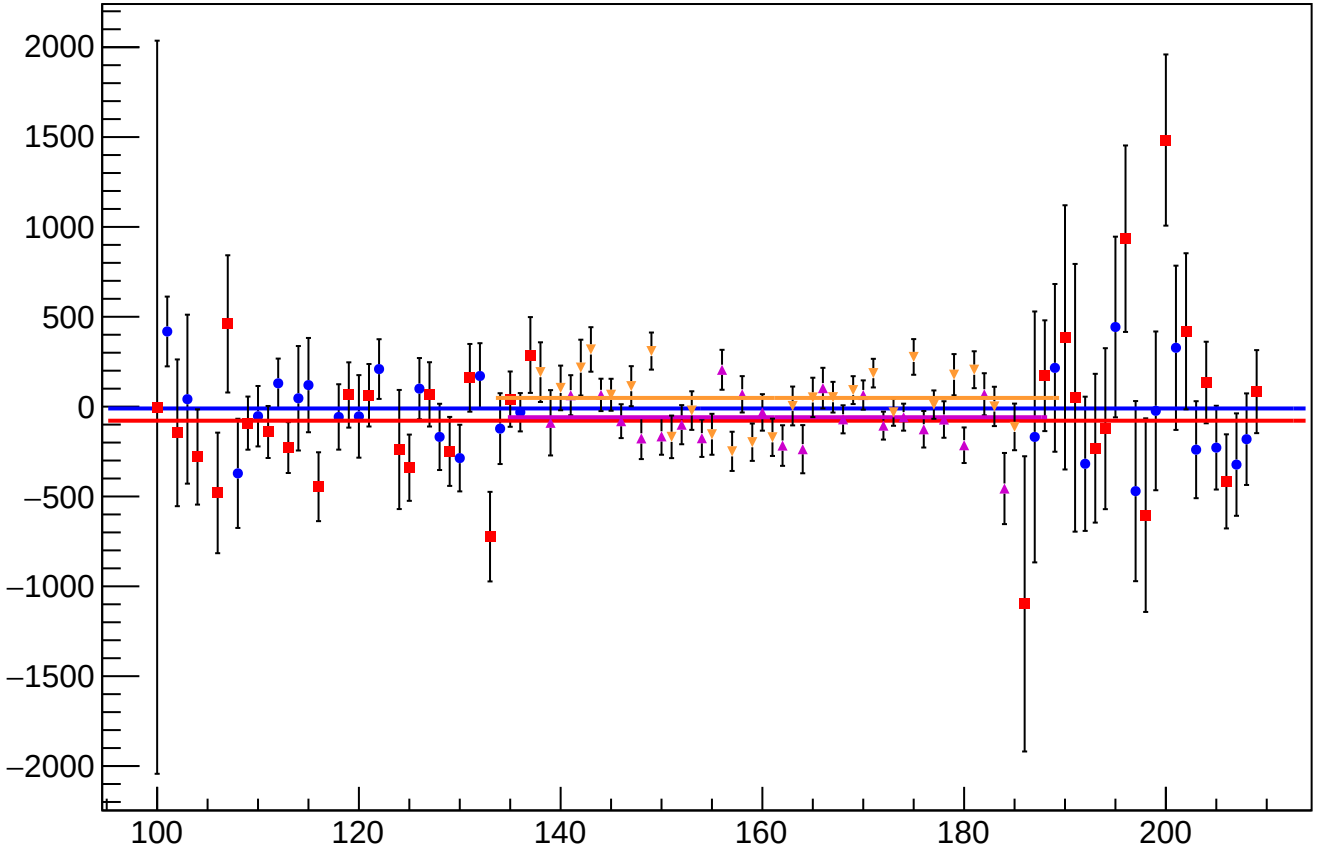
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15492277.6/51

All: 0.000+/-0.000 χ^2/NDF: 33592265.3/106

- sign 0.000+/-0.000 χ^2/NDF: 18084223.7/54

reg_asym_sam3_mean vs Slug



Right In: -10.254+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -78.345+/-41.801 χ^2/NDF: 48.6/31

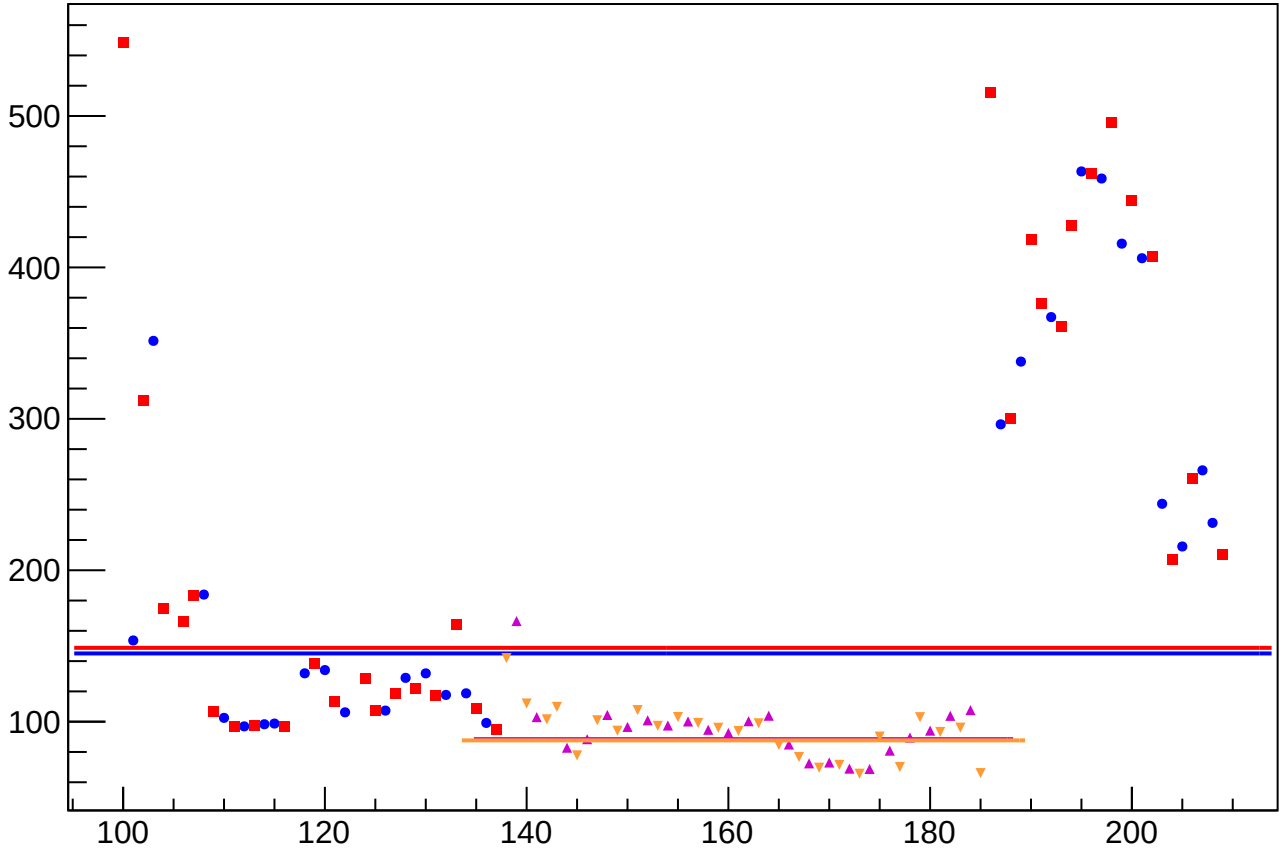
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 37.124+/-18.356 χ^2/NDF: 75.8/51

All: -11.519+/-13.160 χ^2/NDF: 169.6/106

- sign -62.955+/-18.876 χ^2/NDF: 79.3/54

reg_asym_sam3_rms vs Slug



Right In: 145.066+/-0.030 χ^2/NDF: 6780855.3/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 148.768+/-0.030 χ^2/NDF: 8200884.7/31

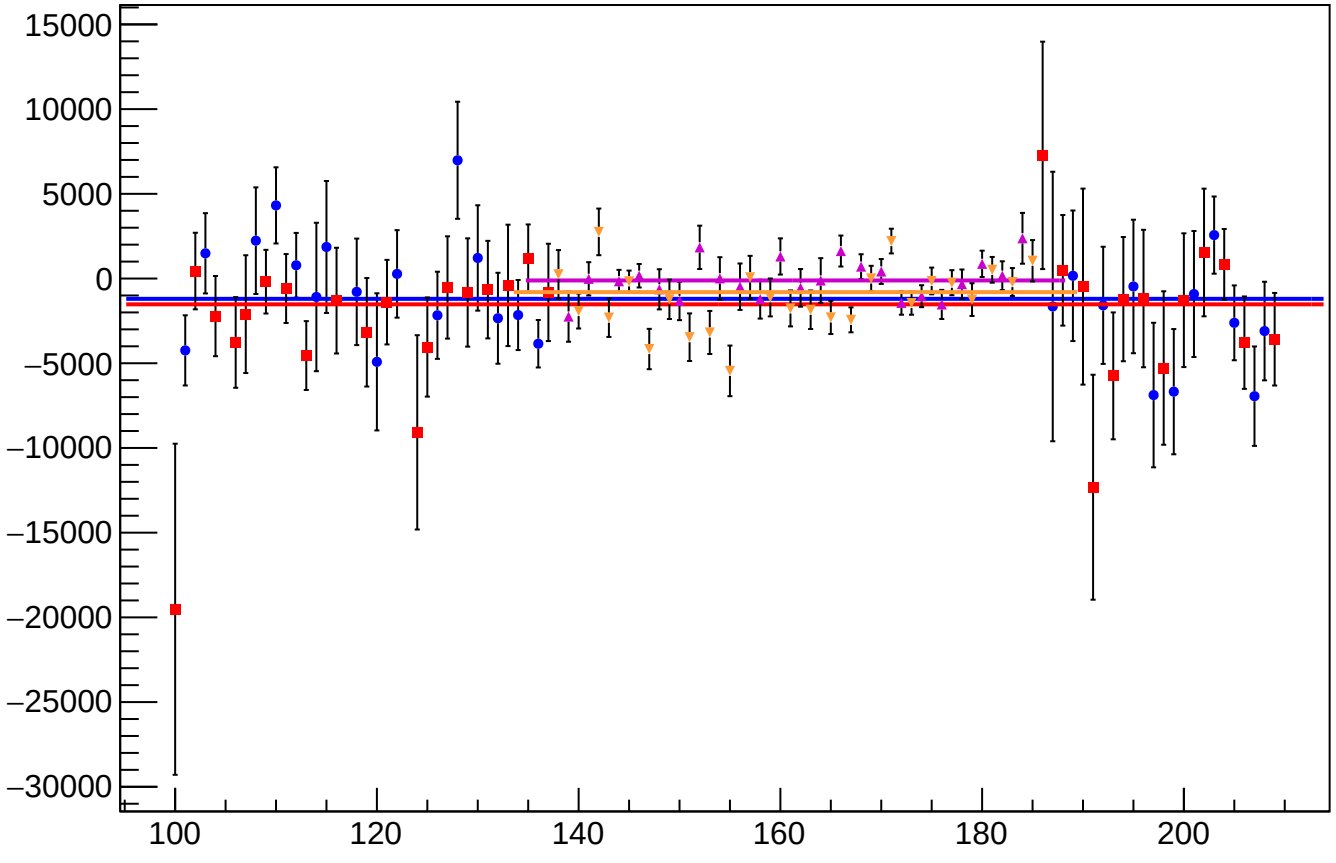
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 98.687+/-0.013 χ^2/NDF: 11030852.0/51

All: 99.702+/-0.009 χ^2/NDF: 23631611.0/106

- sign 100.776+/-0.013 χ^2/NDF: 12588173.9/54

asym_sam3_reg_correction_mean vs Slug



Right In: -1197.888+/-519.956 χ^2/NDF: 35.4/26

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1522.488+/-518.679 χ^2/NDF: 22.9/31

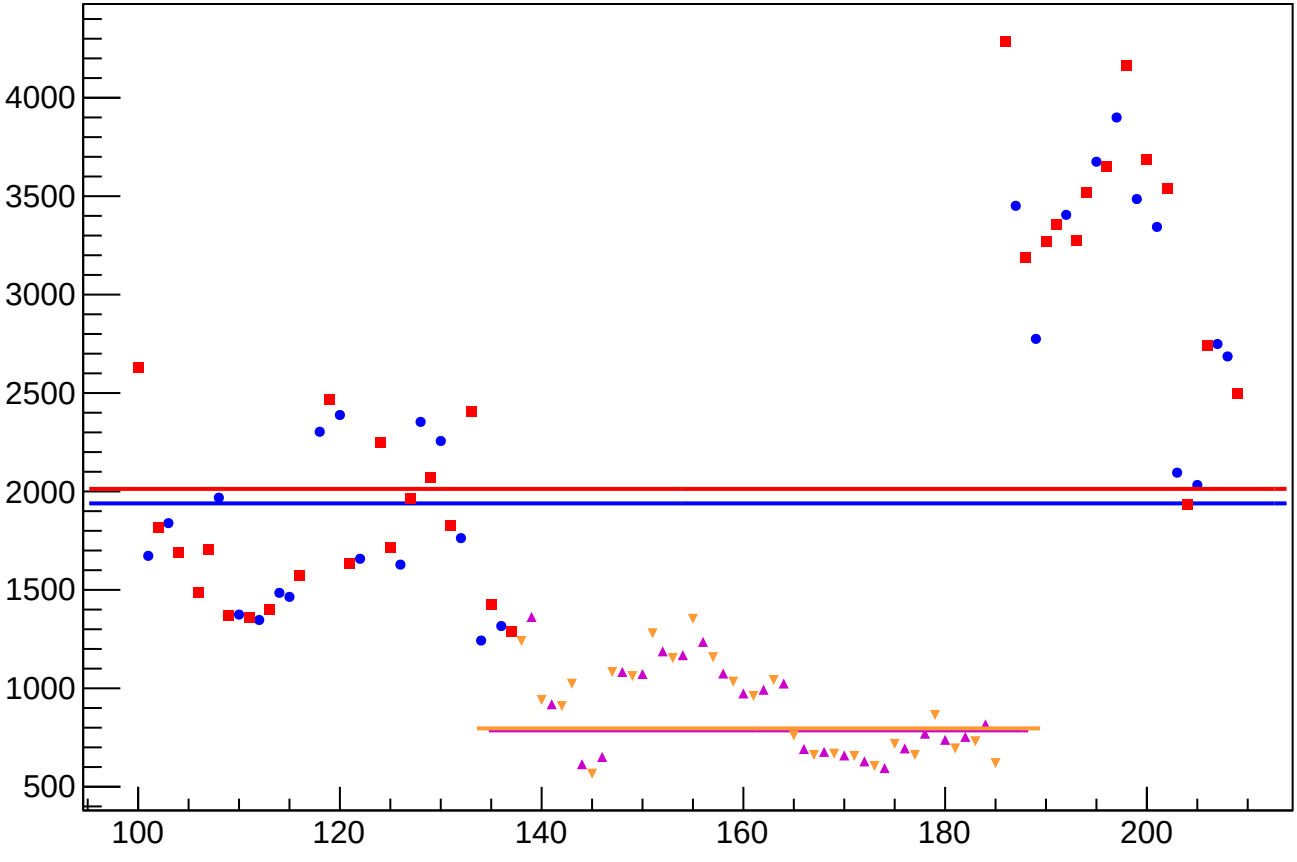
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -847.229+/-176.595 χ^2/NDF: 107.8/51

All: -566.726+/-125.585 χ^2/NDF: 169.4/106

- sign -279.720+/-178.630 χ^2/NDF: 56.4/54

asym_sam3_reg_correction_rms vs Slug



Right In: 1939.354+/-0.368 χ^2/NDF: 3460047.4/26

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2013.077+/-0.367 χ^2/NDF: 4165688.4/31

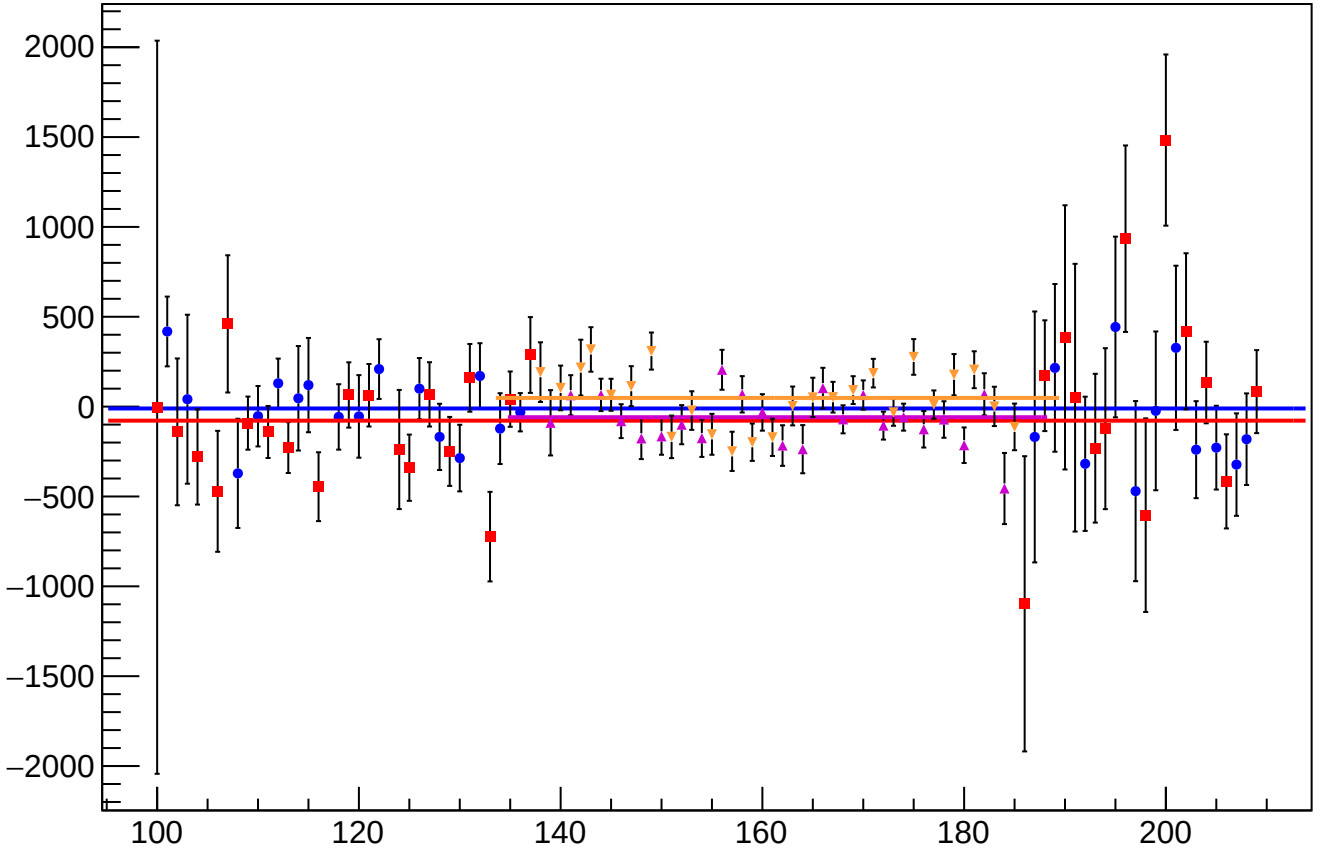
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 928.350+/-0.125 χ^2/NDF: 14425255.6/51

All: 930.073+/-0.089 χ^2/NDF: 30608645.9/10

- sign 931.836+/-0.126 χ^2/NDF: 16183005.1/54

cor_asym_sam3_mean vs Slug



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -78.107+/-41.803 χ^2/NDF: 48.5/31

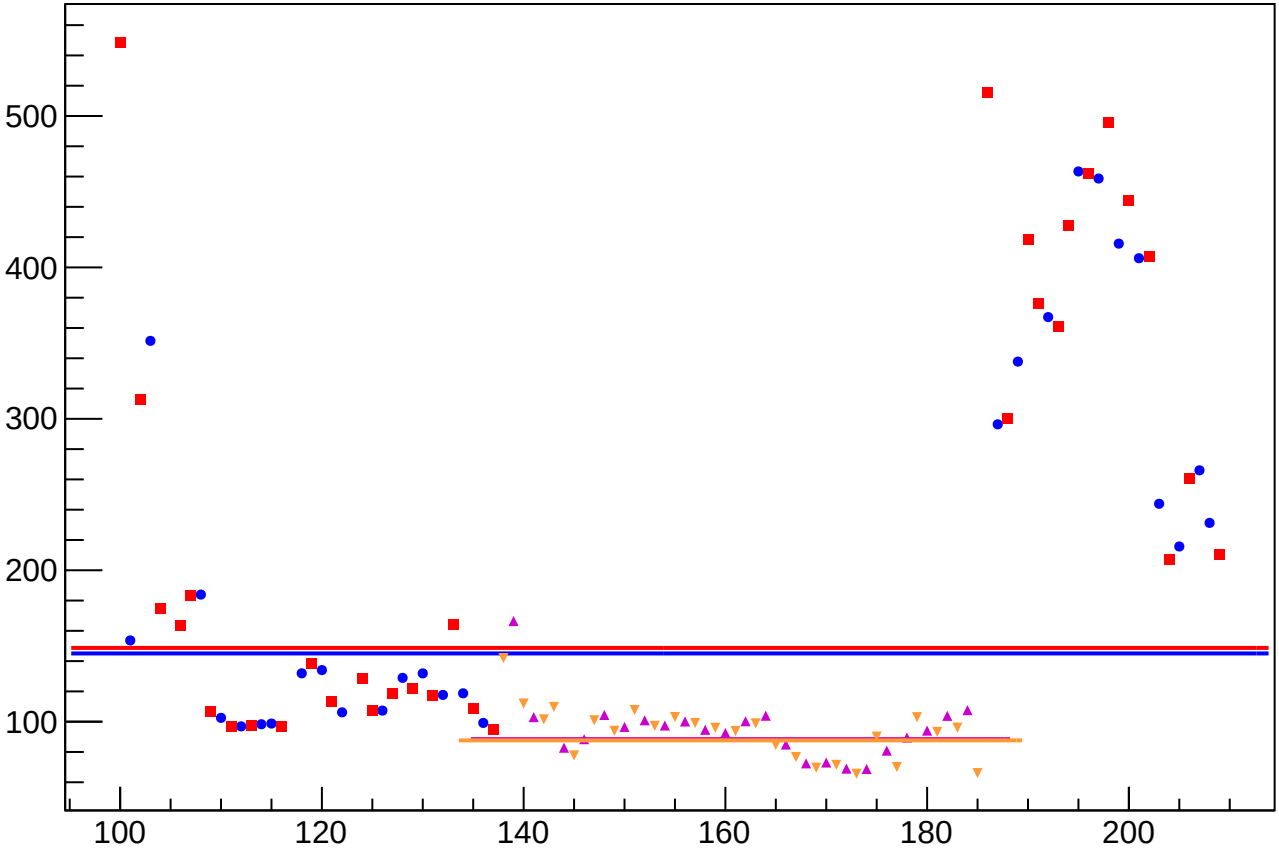
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 37.126+/-18.356 χ^2/NDF: 75.8/51

All: -11.494+/-13.160 χ^2/NDF: 169.5/106

- sign -62.909+/-18.876 χ^2/NDF: 79.3/54

cor_asym_sam3_rms vs Slug



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 148.728+/-0.030 χ^2/NDF: 8199602.9/31

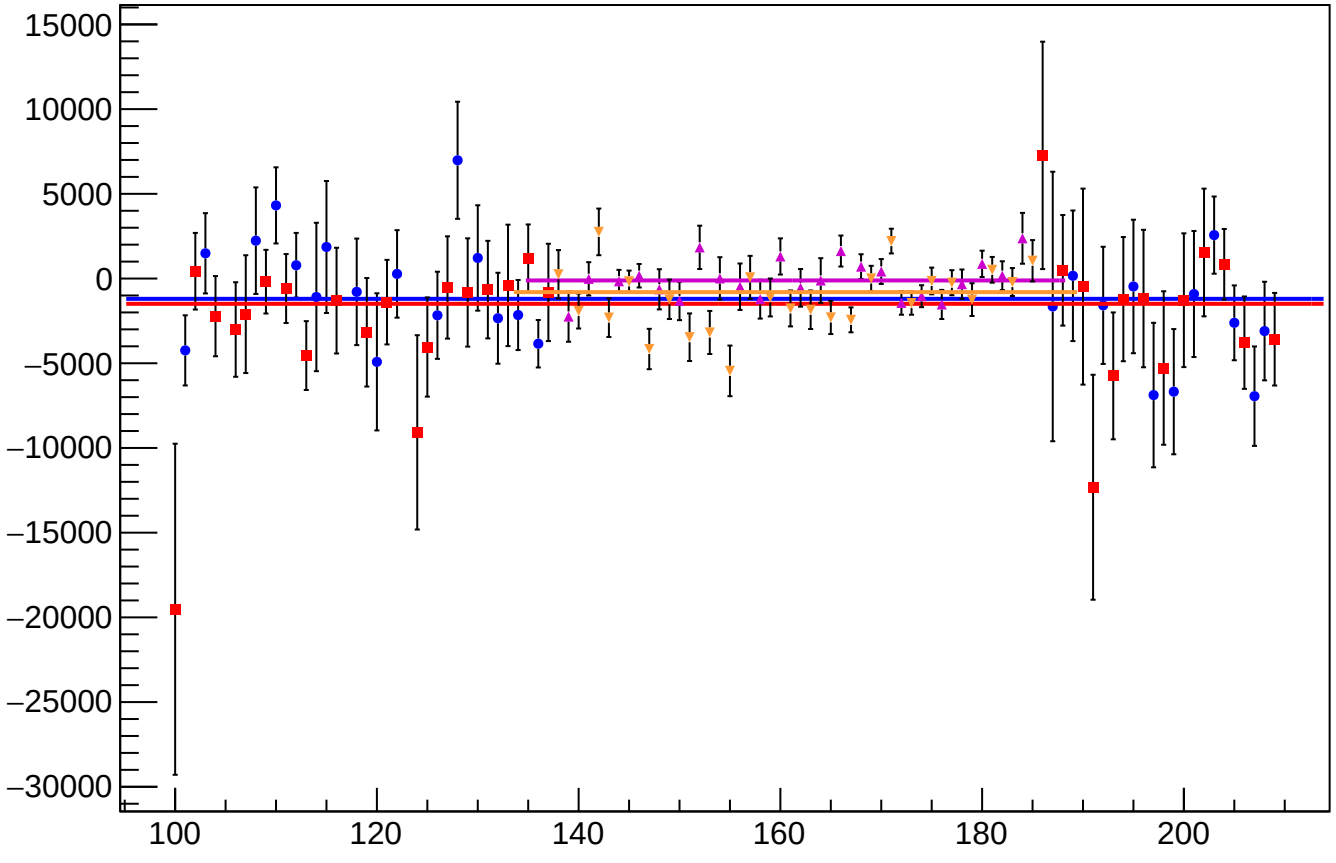
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 98.687+/-0.013 χ^2/NDF: 11030853.6/51

All: 99.698+/-0.009 χ^2/NDF: 23625568.2/106

- sign 100.766+/-0.013 χ^2/NDF: 12582239.9/54

asym_sam3_cor_correction_mean vs Slug



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1490.088+/-519.493 χ^2/NDF: 22.4/31

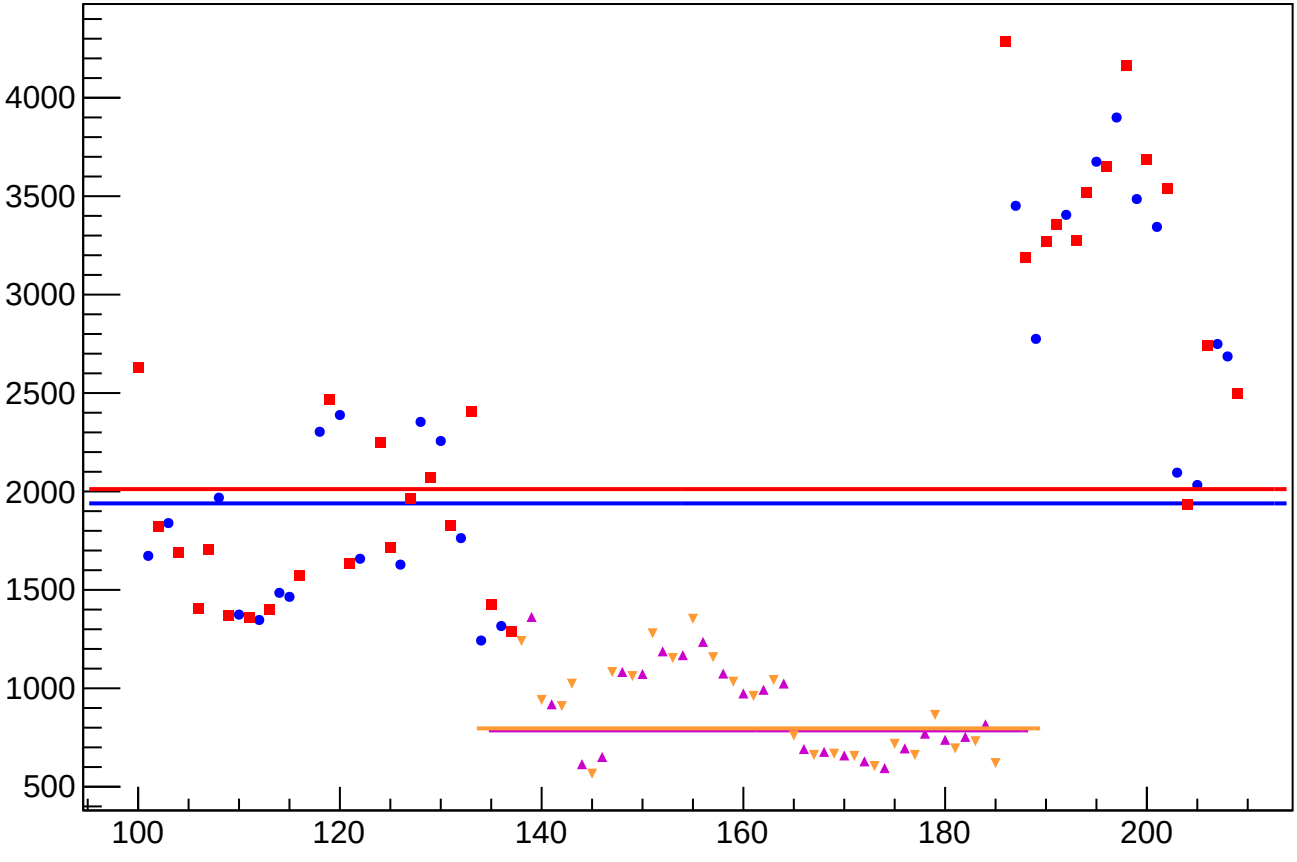
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -847.221+/-176.595 χ^2/NDF: 107.8/51

All: -564.653+/-125.596 χ^2/NDF: 168.7/106

- sign -275.427+/-178.663 χ^2/NDF: 55.7/54

asym_sam3_cor_correction_rms vs Slug



Right In: 1939.364+/-0.368 χ^2/NDF: 3460036.5/26

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2011.968+/-0.367 χ^2/NDF: 4182760.4/31

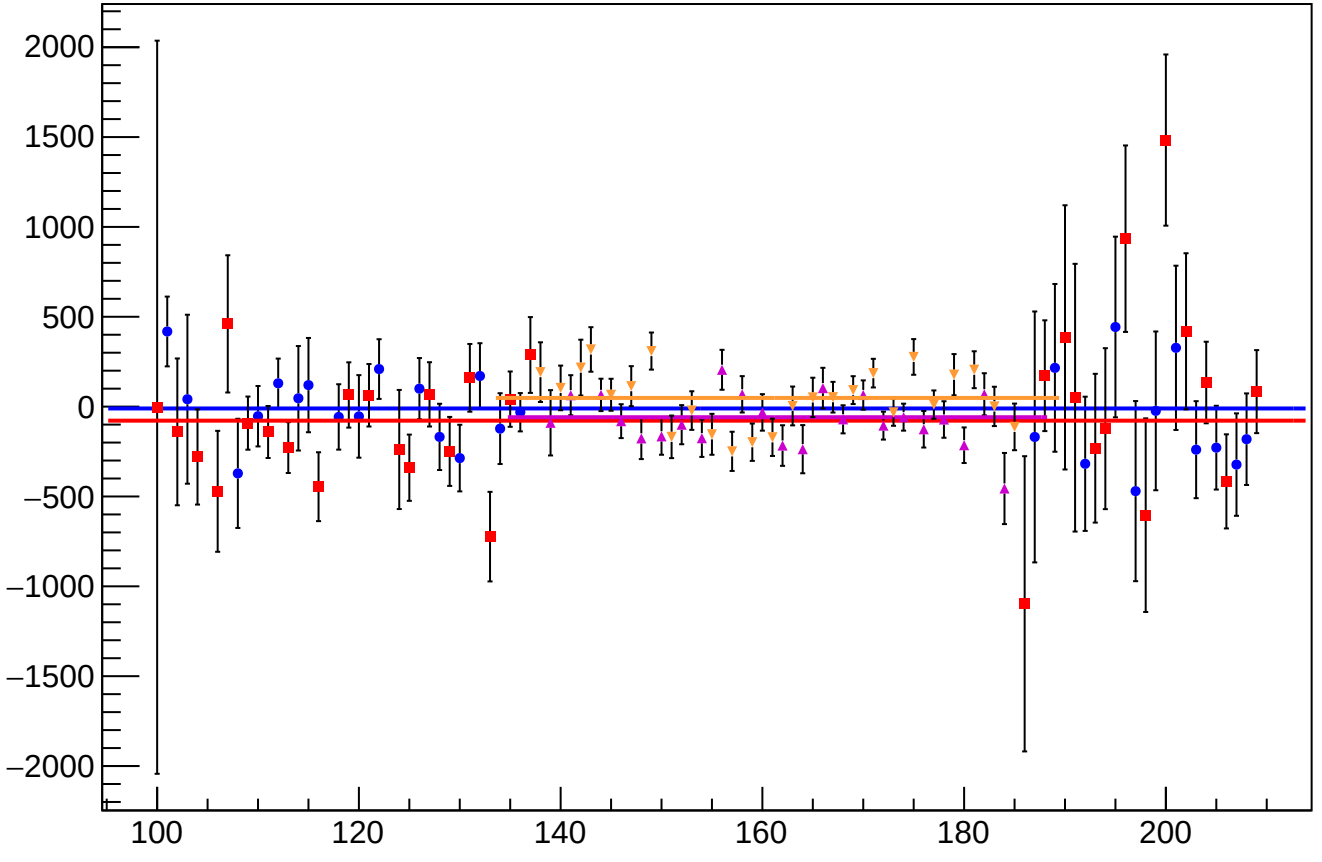
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 928.350+/-0.125 χ^2/NDF: 14425315.5/51

All: 929.809+/-0.089 χ^2/NDF: 30580657.0/10

- sign 931.303+/-0.126 χ^2/NDF: 16155065.0/54

eigen_cor_asym_sam3_mean vs Slug



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -78.107+/-41.803 χ^2/NDF: 48.5/31

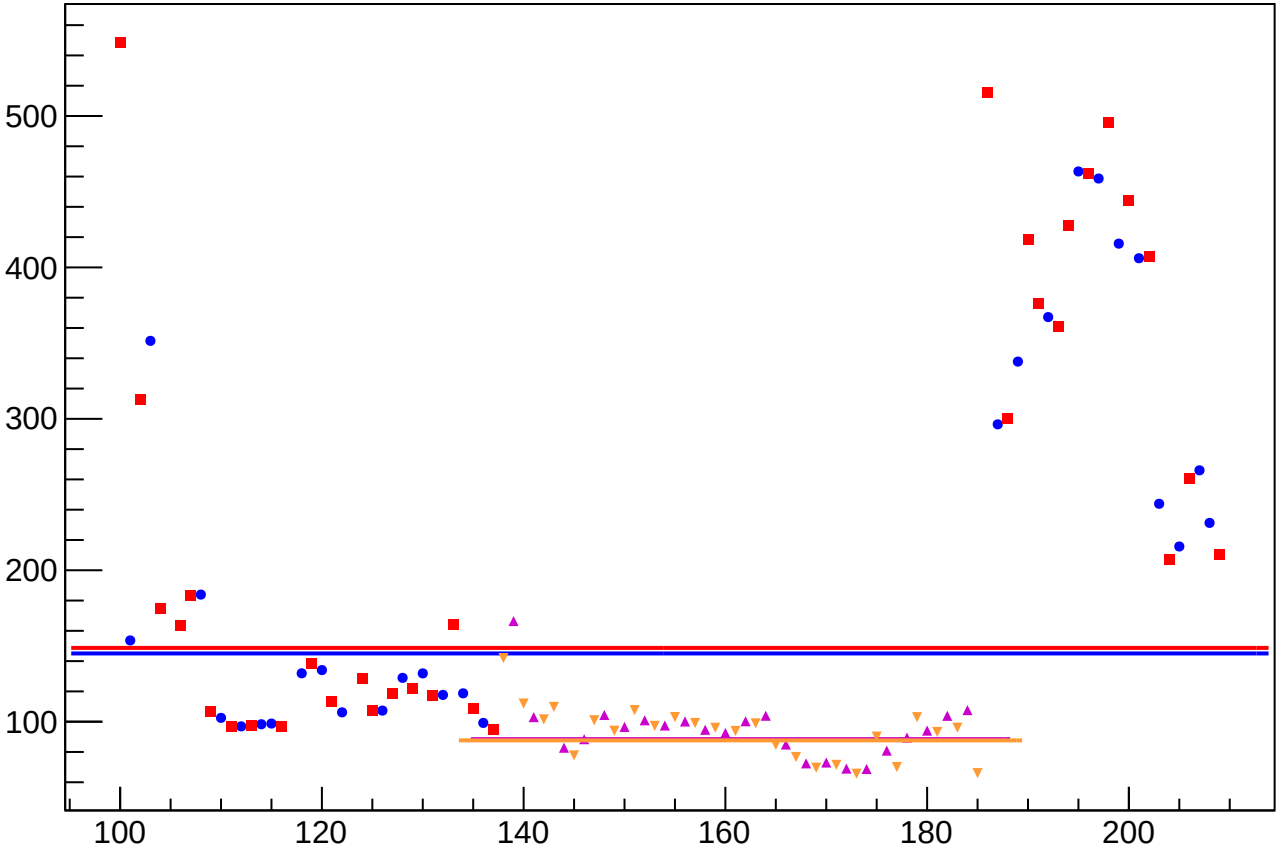
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 37.126+/-18.356 χ^2/NDF: 75.8/51

All: -11.494+/-13.160 χ^2/NDF: 169.5/106

- sign -62.909+/-18.876 χ^2/NDF: 79.3/54

eigen_cor_asym_sam3_rms vs Slug



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

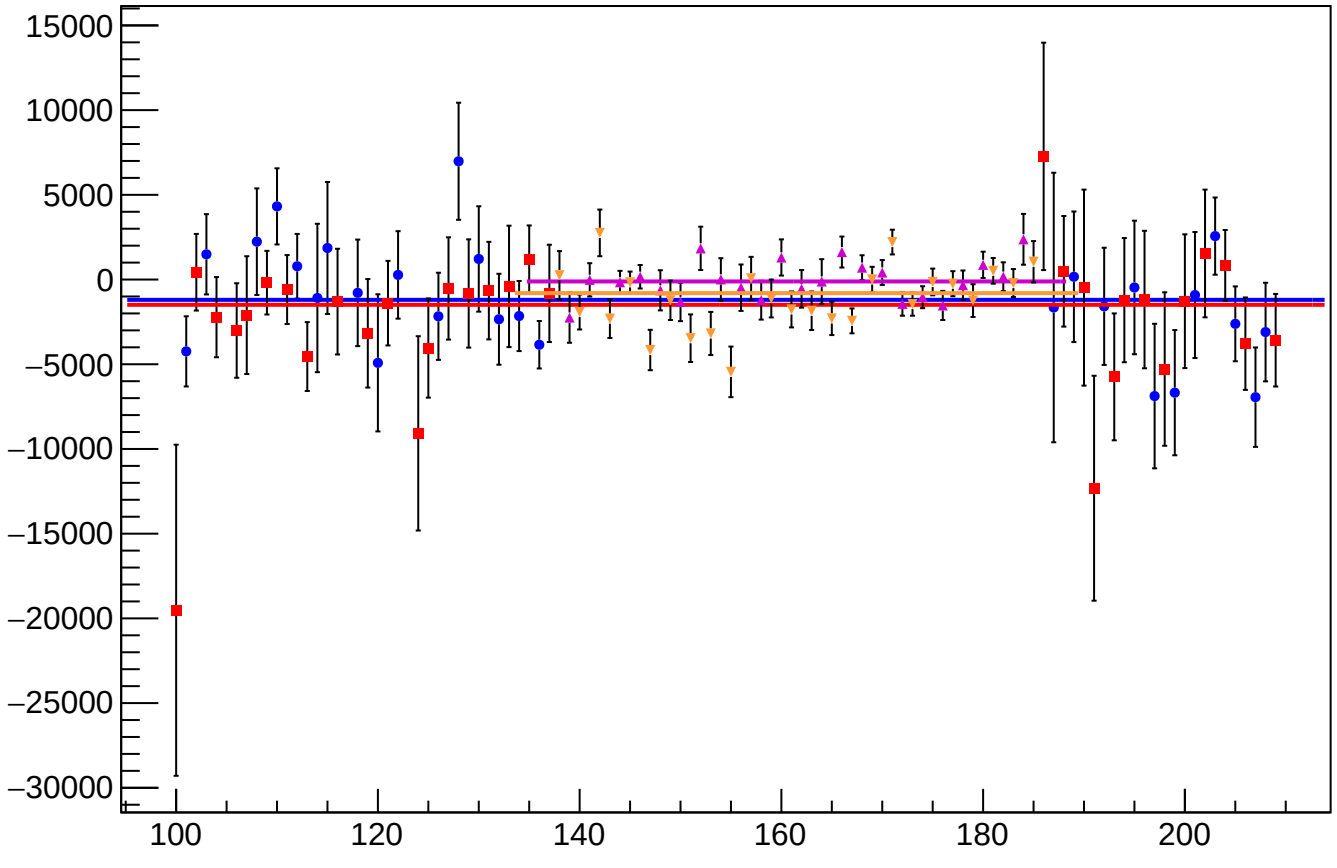
Right Out: 148.728+/-0.030 χ^2/NDF: 8199602.9/31

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 98.687+/-0.013 χ^2/NDF: 11030853.6/51

All: 99.698+/-0.009 χ^2/NDF: 23625568.2/106

- sign 100.766+/-0.013 χ^2/NDF: 12582239.9/54



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

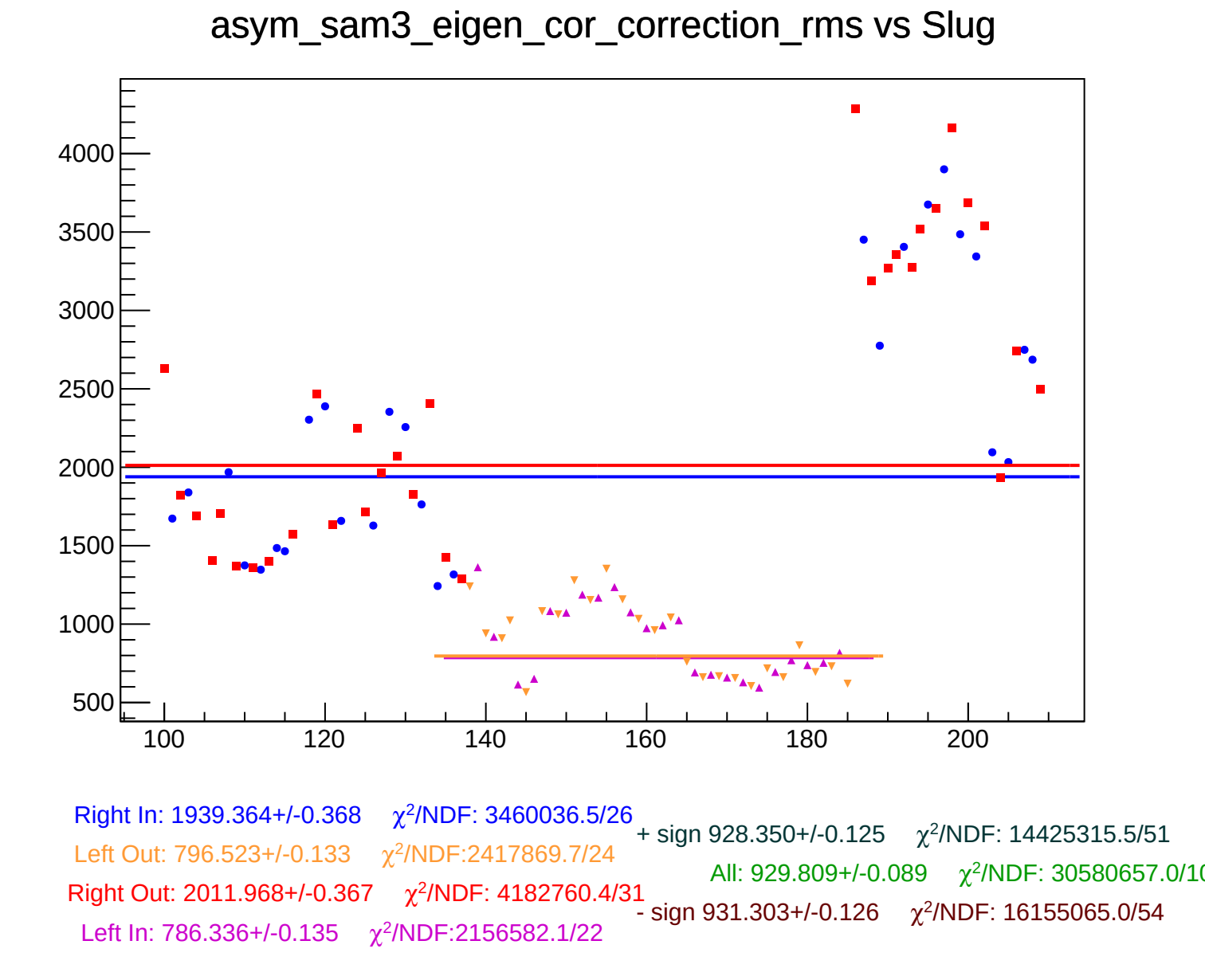
Right Out: -1490.088+/-519.493 χ^2/NDF: 22.4/31

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

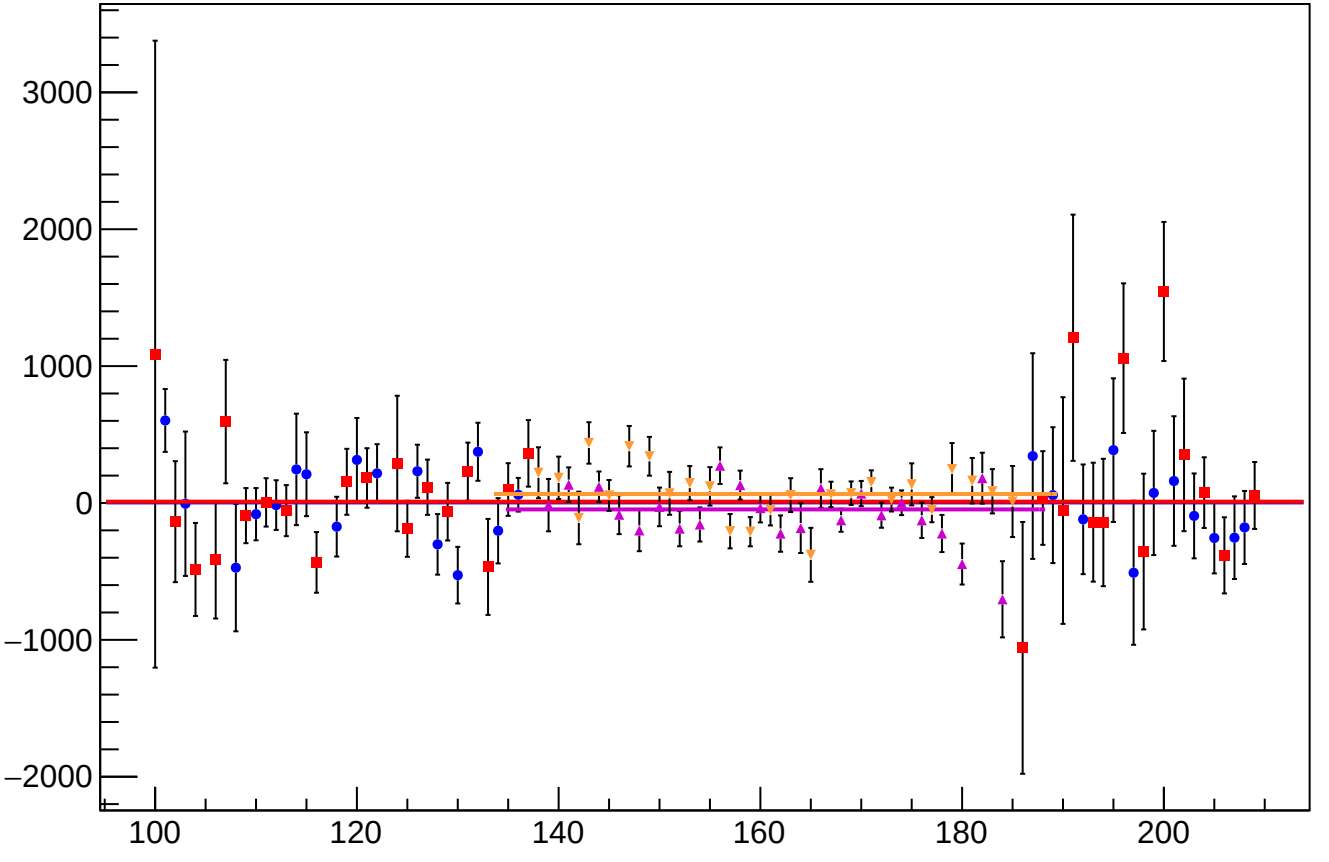
+ sign -847.221+/-176.595 χ^2/NDF: 107.8/51

All: -564.653+/-125.596 χ^2/NDF: 168.7/106

- sign -275.427+/-178.663 χ^2/NDF: 55.7/54


asym_sam3_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1939.364+/-0.368 χ²/NDF: 3460036.5/26
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 2011.968+/-0.367 χ²/NDF: 4182760.4/31
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
+ sign 928.350+/-0.125 χ²/NDF: 14425315.5/51
All: 929.809+/-0.089 χ²/NDF: 30580657.0/10
- sign 931.303+/-0.126 χ²/NDF: 16155065.0/54

dit_asym_sam3_mean vs Slug



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 9.527+/-50.102 χ^2/NDF: 36.4/31

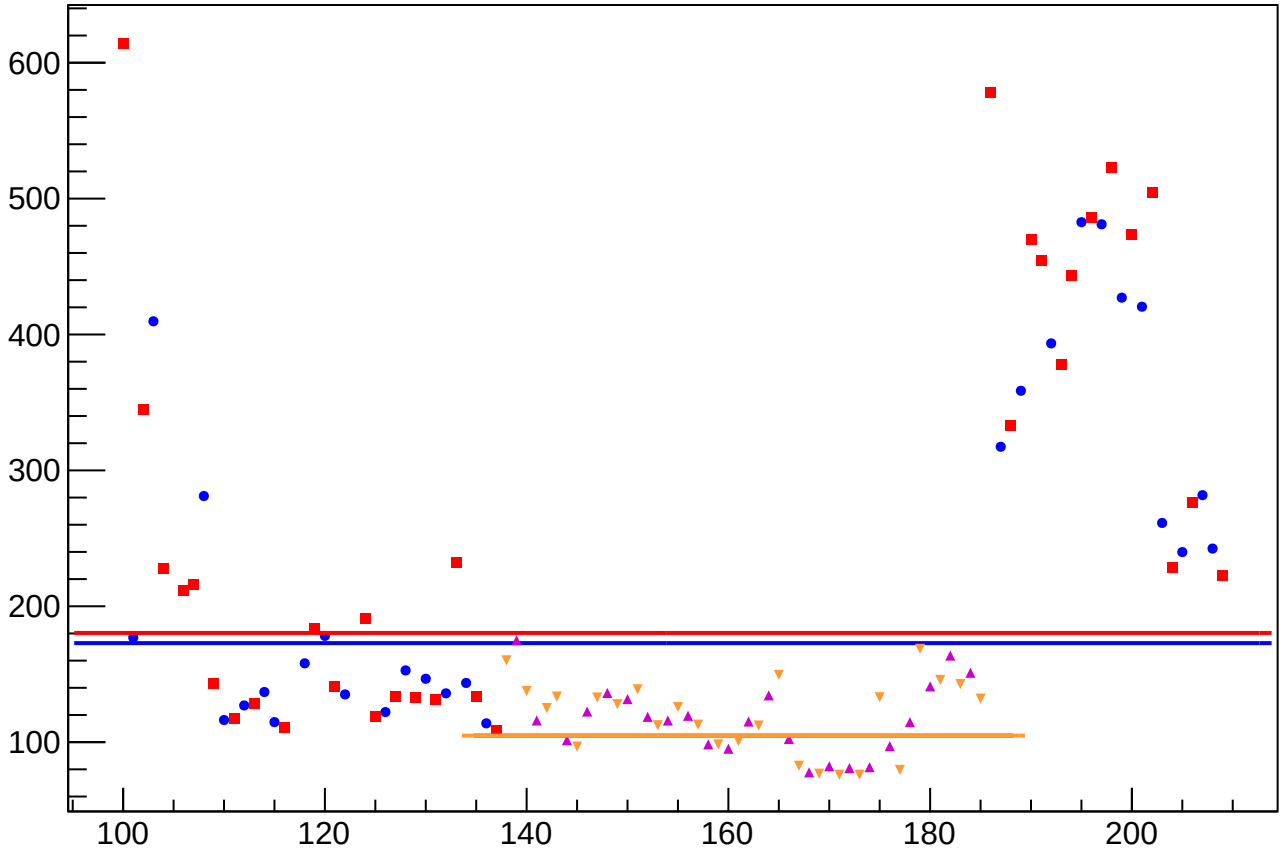
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

\+ sign 53.102+/-22.343 χ^2/NDF: 71.0/51

All: 9.940+/-15.980 χ^2/NDF: 154.7/106

\- sign -35.258+/-22.864 χ^2/NDF: 76.1/54

dit_asym_sam3_rms vs Slug



Right In: 172.892+/-0.035 χ^2/NDF: 5924687.5/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 180.370+/-0.035 χ^2/NDF: 7297532.5/31

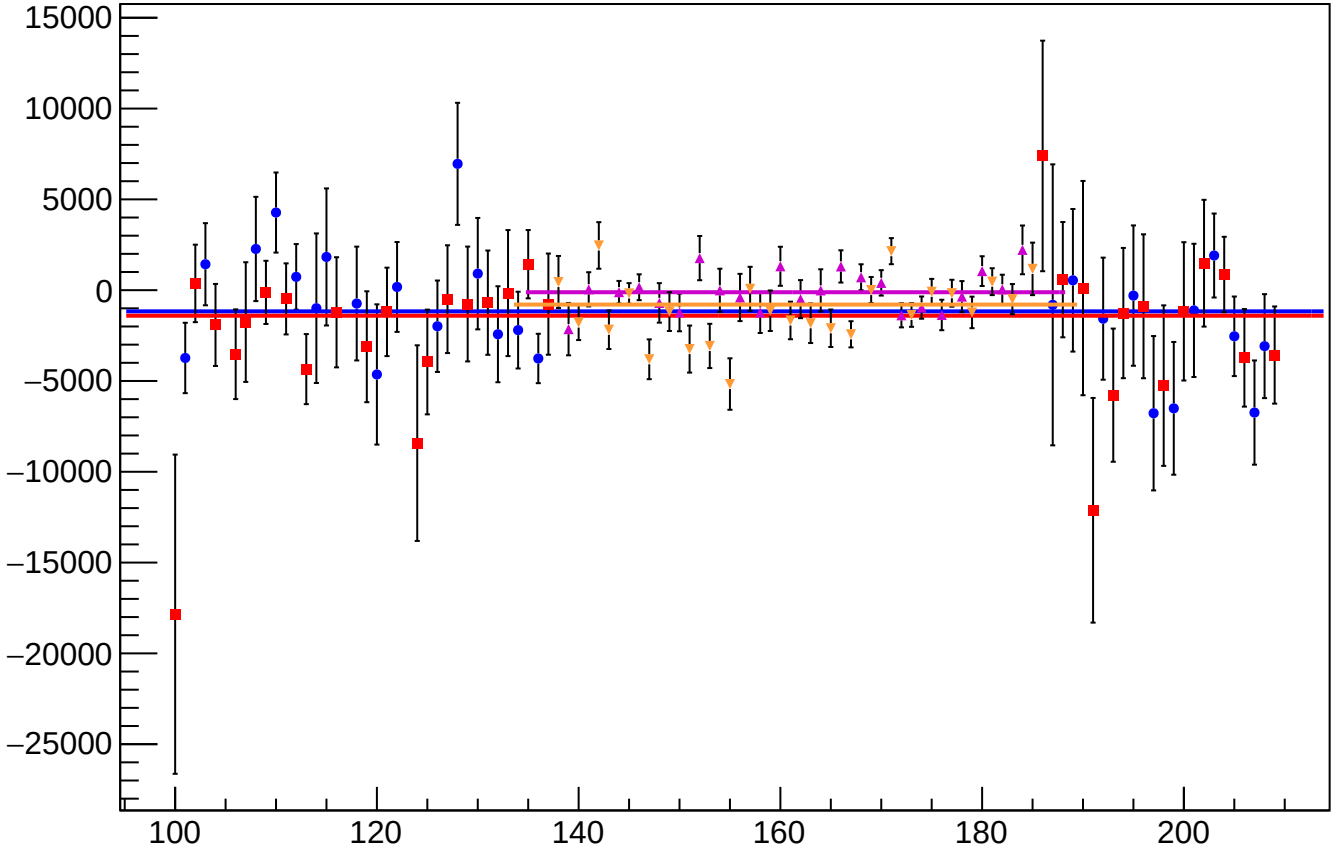
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 118.768+/-0.016 χ^2/NDF: 11193944.3/51

All: 119.646+/-0.011 χ^2/NDF: 23711549.8/10

- sign 120.566+/-0.016 χ^2/NDF: 12511276.4/54

asym_sam3_dit_correction_mean vs Slug



Right In: -1166.594+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1406.897+/-498.689 χ^2/NDF: 24.4/31

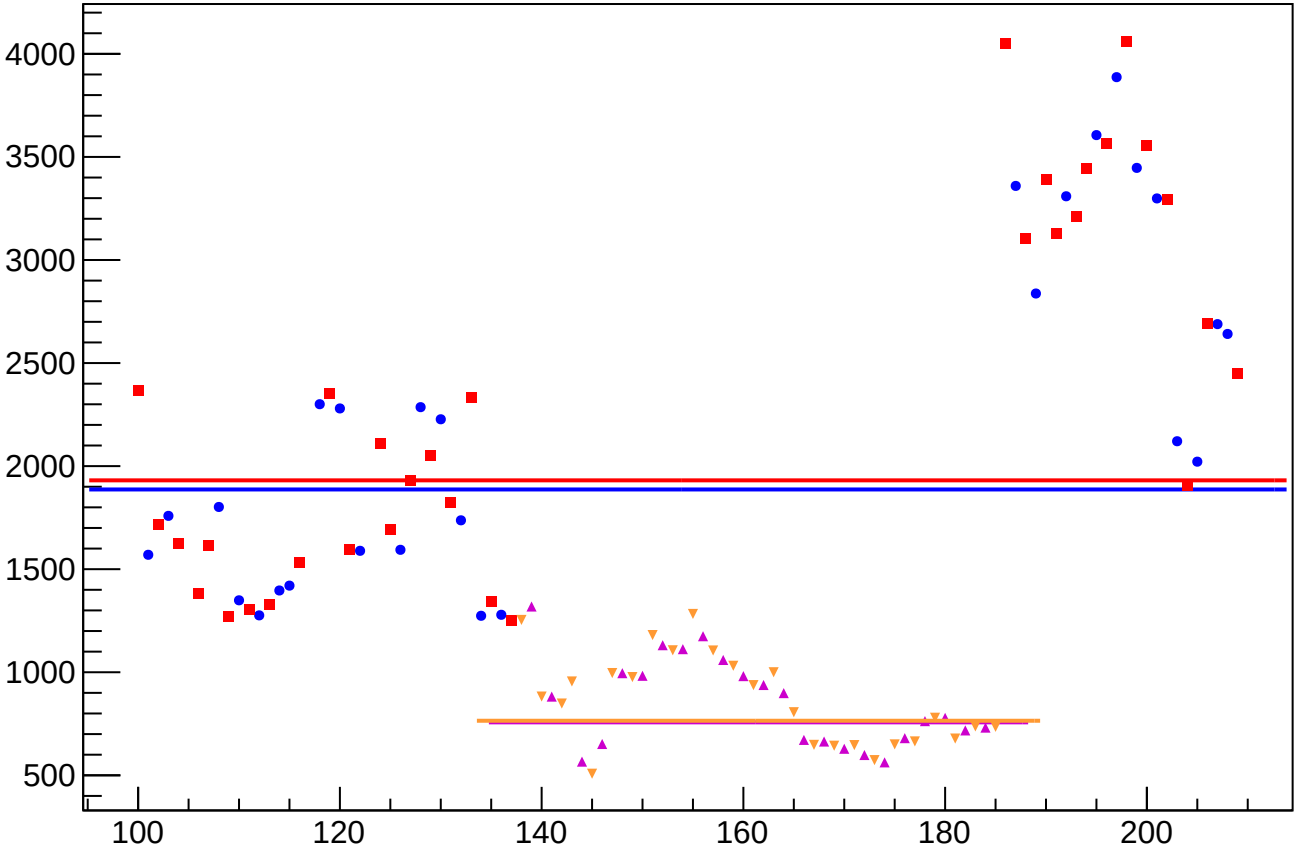
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -834.909+/-169.522 χ^2/NDF: 105.0/51

All: -555.082+/-120.703 χ^2/NDF: 167.1/106

- sign -267.344+/-171.902 χ^2/NDF: 56.6/54

asym_sam3_dit_correction_rms vs Slug



Right In: 1886.763+/-0.358 χ^2/NDF: 3577697.7/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1930.996+/-0.353 χ^2/NDF: 4343048.2/31

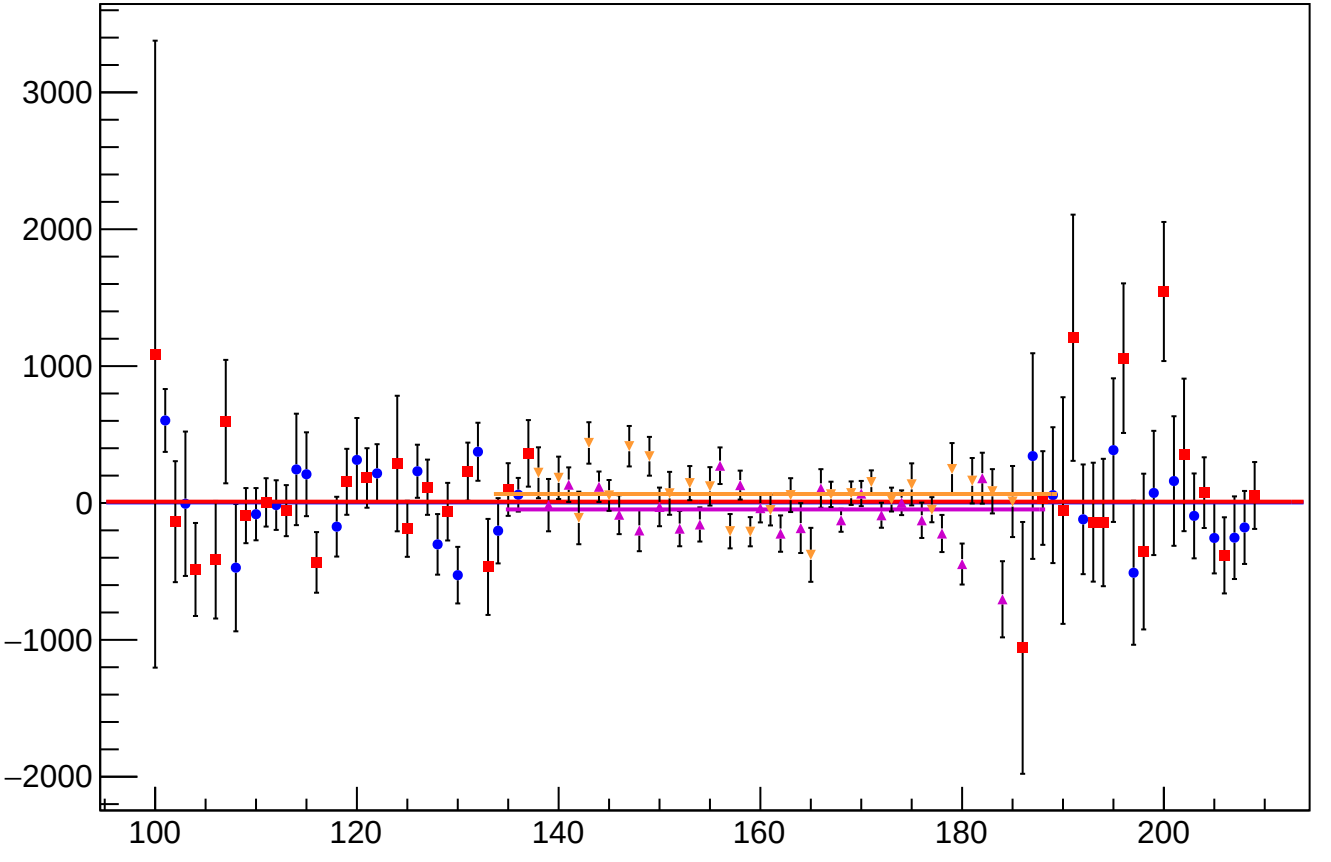
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 890.414+/-0.120 χ^2/NDF: 14717981.0/51

All: 893.382+/-0.085 χ^2/NDF: 30945878.7/10

- sign 896.433+/-0.122 χ^2/NDF: 16226654.5/54

eigen_dit_asym_sam3_mean vs Slug



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 9.530+/-50.102 χ^2/NDF: 36.4/31

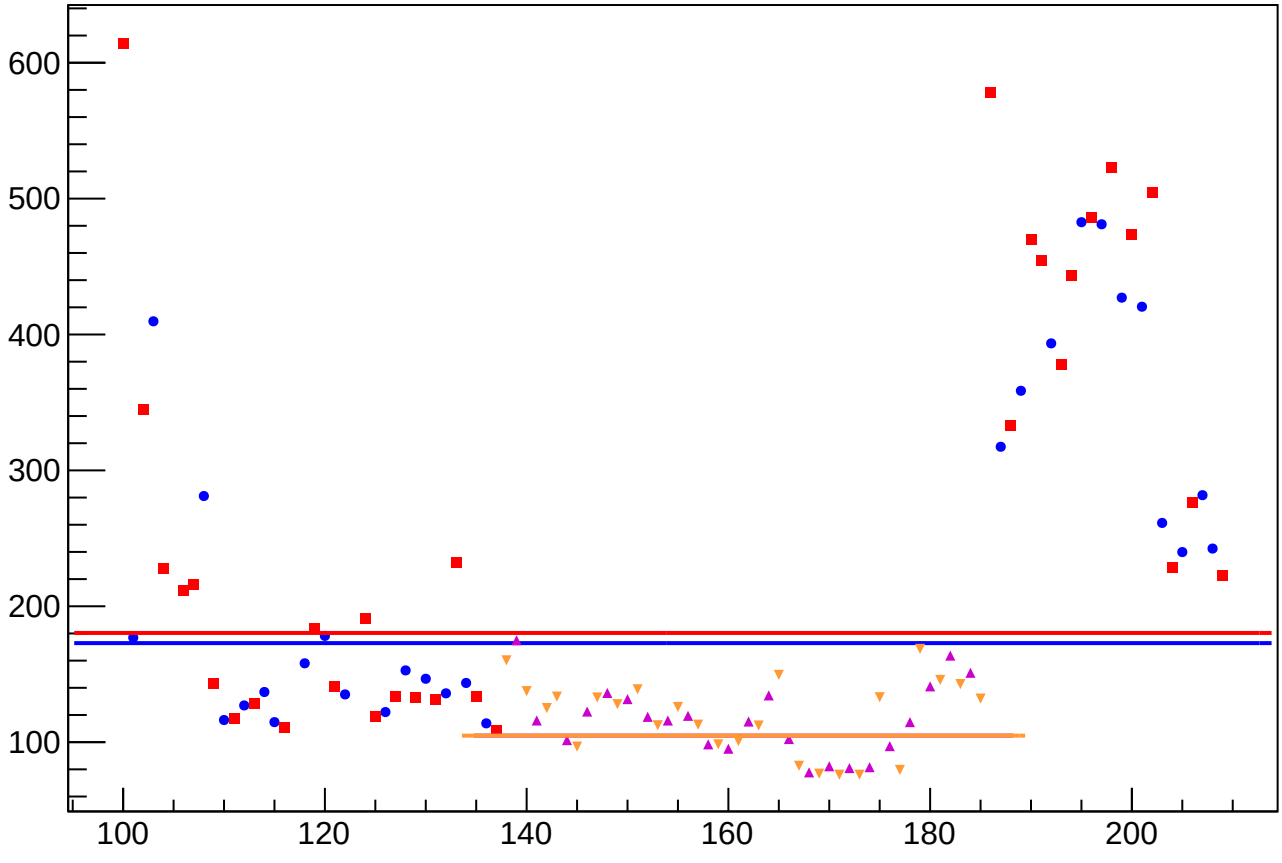
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

\+ sign 53.103+/-22.343 χ^2/NDF: 71.0/51

All: 9.941+/-15.980 χ^2/NDF: 154.7/106

\- sign -35.257+/-22.864 χ^2/NDF: 76.1/54

eigen_dit_asym_sam3_rms vs Slug



Right In: 172.892+/-0.035 χ^2/NDF: 5924677.6/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 180.371+/-0.035 χ^2/NDF: 7297516.4/31

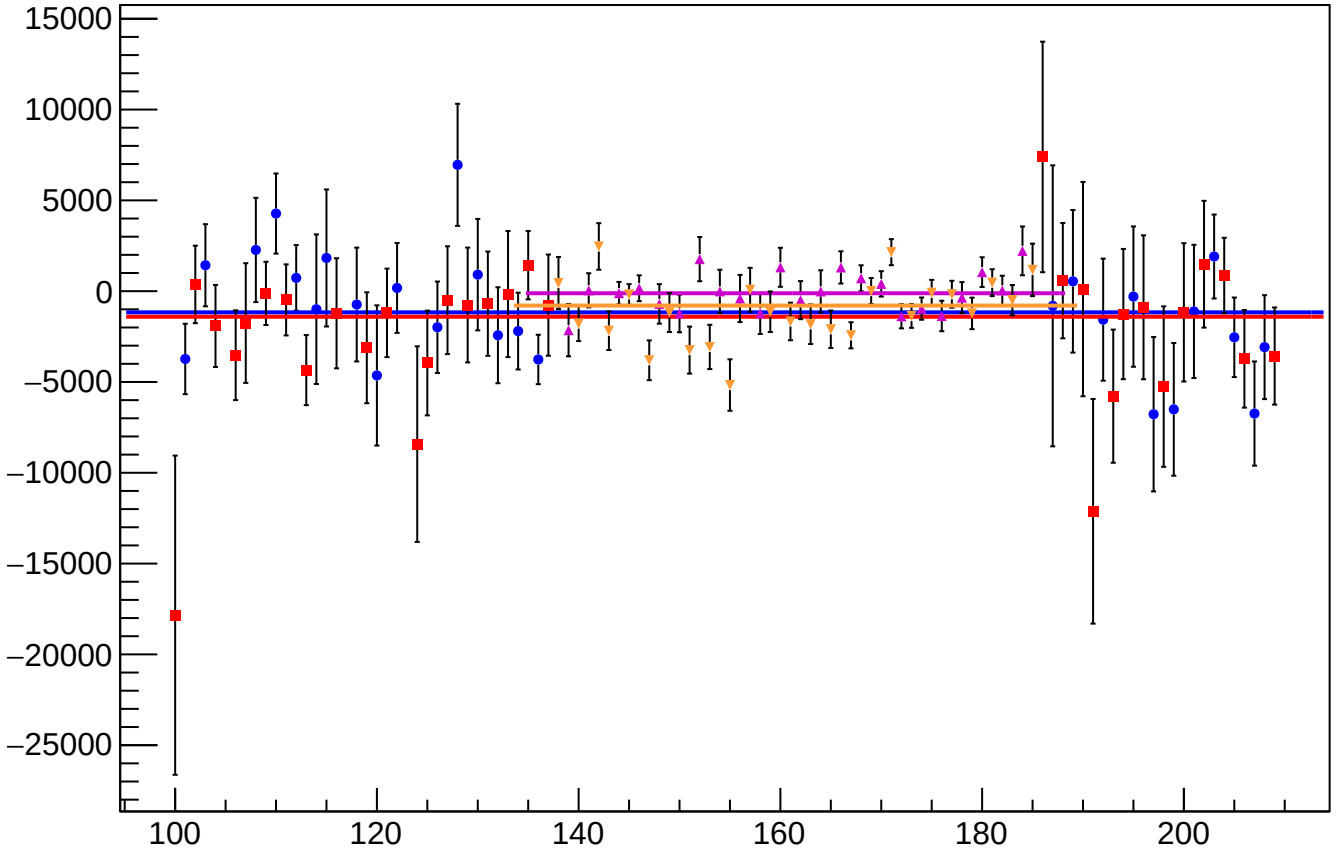
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 118.768+/-0.016 χ^2/NDF: 11193942.2/51

All: 119.646+/-0.011 χ^2/NDF: 23711544.2/10

- sign 120.566+/-0.016 χ^2/NDF: 12511273.0/54

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1166.591+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1406.896+/-498.689 χ^2/NDF: 24.4/31

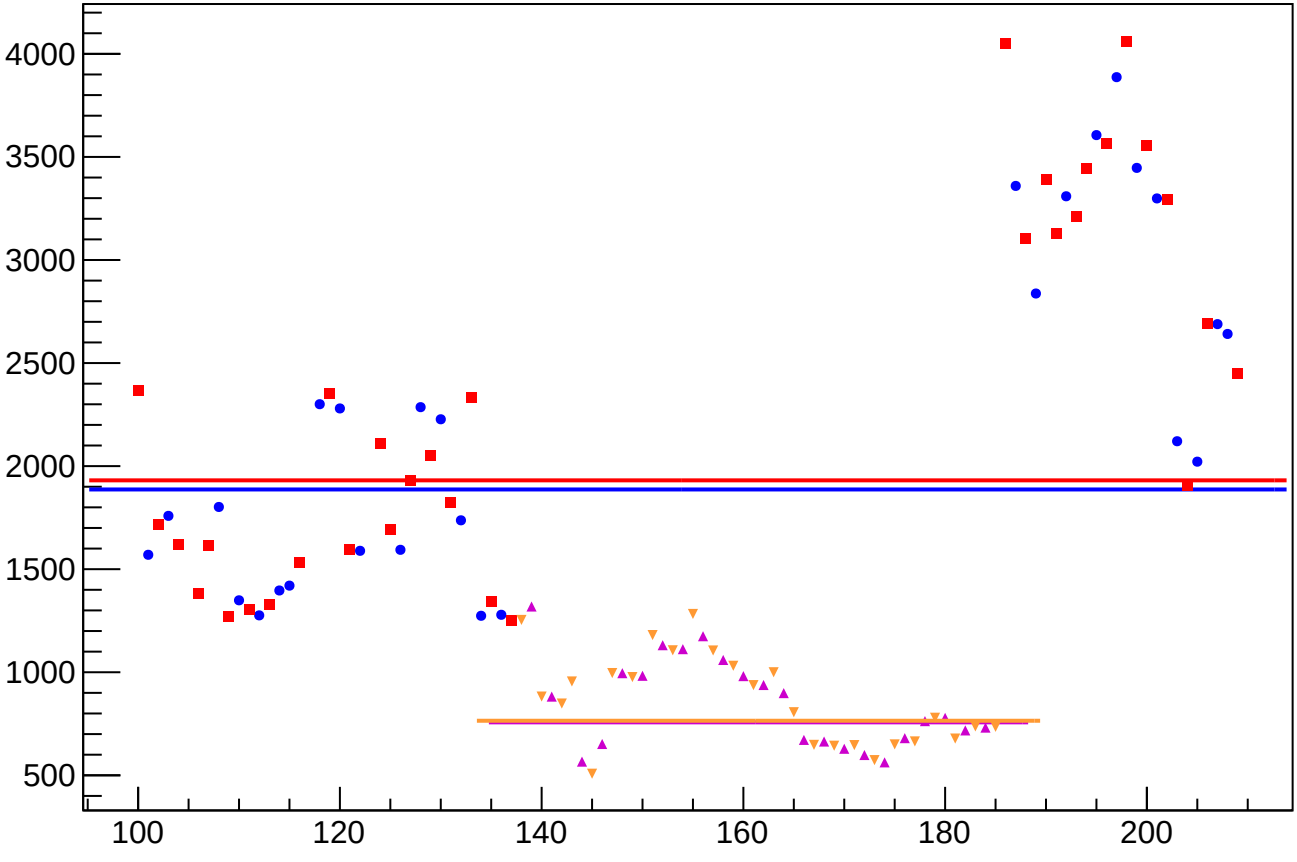
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -834.910+/-169.522 χ^2/NDF: 105.0/51

All: -555.082+/-120.703 χ^2/NDF: 167.1/106

- sign -267.344+/-171.902 χ^2/NDF: 56.6/54

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1886.762+/-0.358 χ^2/NDF: 3577697.2/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1930.994+/-0.353 χ^2/NDF: 4343049.3/31

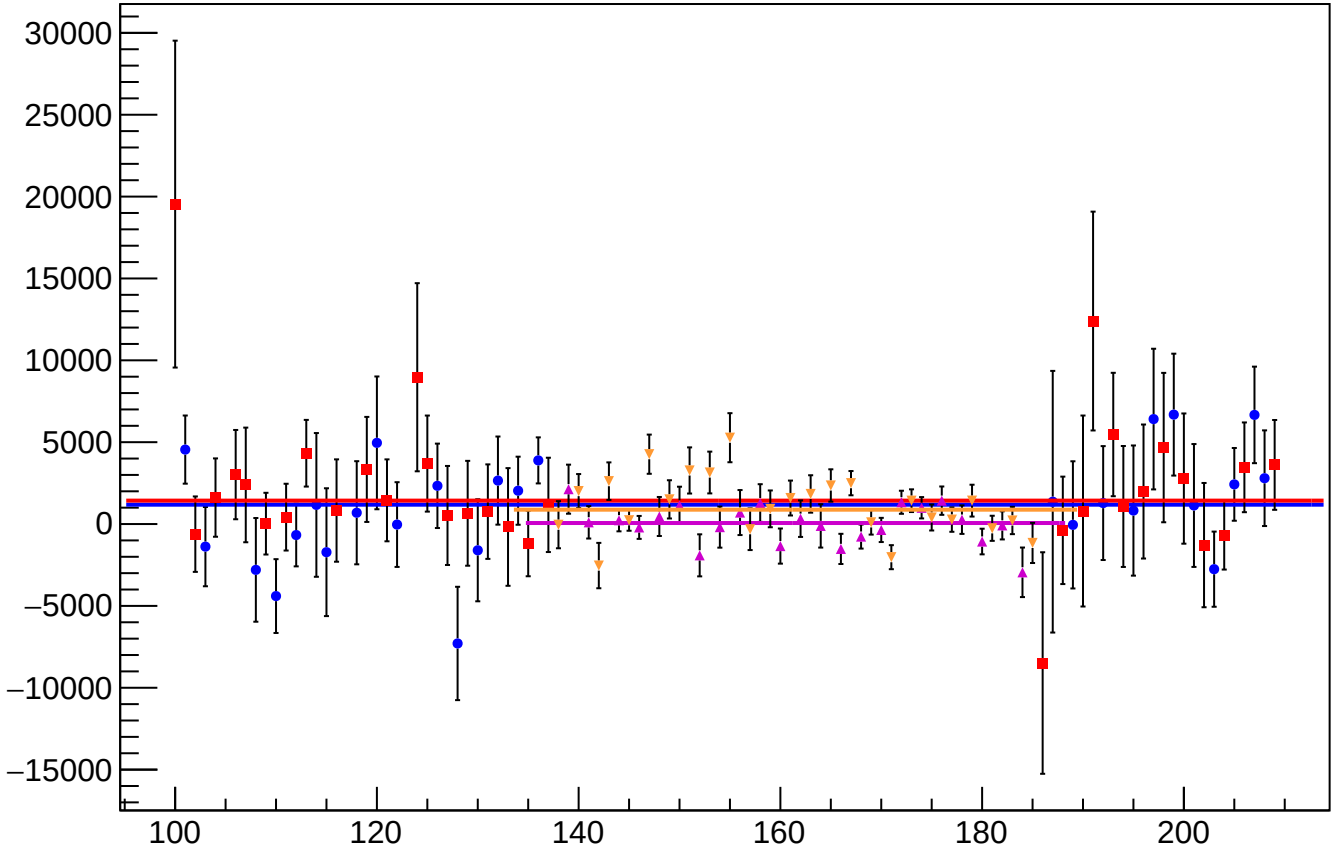
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 890.413+/-0.120 χ^2/NDF: 14717972.8/51

All: 893.381+/-0.085 χ^2/NDF: 30945860.7/10

- sign 896.432+/-0.122 χ^2/NDF: 16226644.7/54

asym_sam3_mean vs Slug



Right In: 1182.809+/-522.600 χ^2/NDF: 36.0/26

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1430.603+/-521.610 χ^2/NDF: 21.8/31

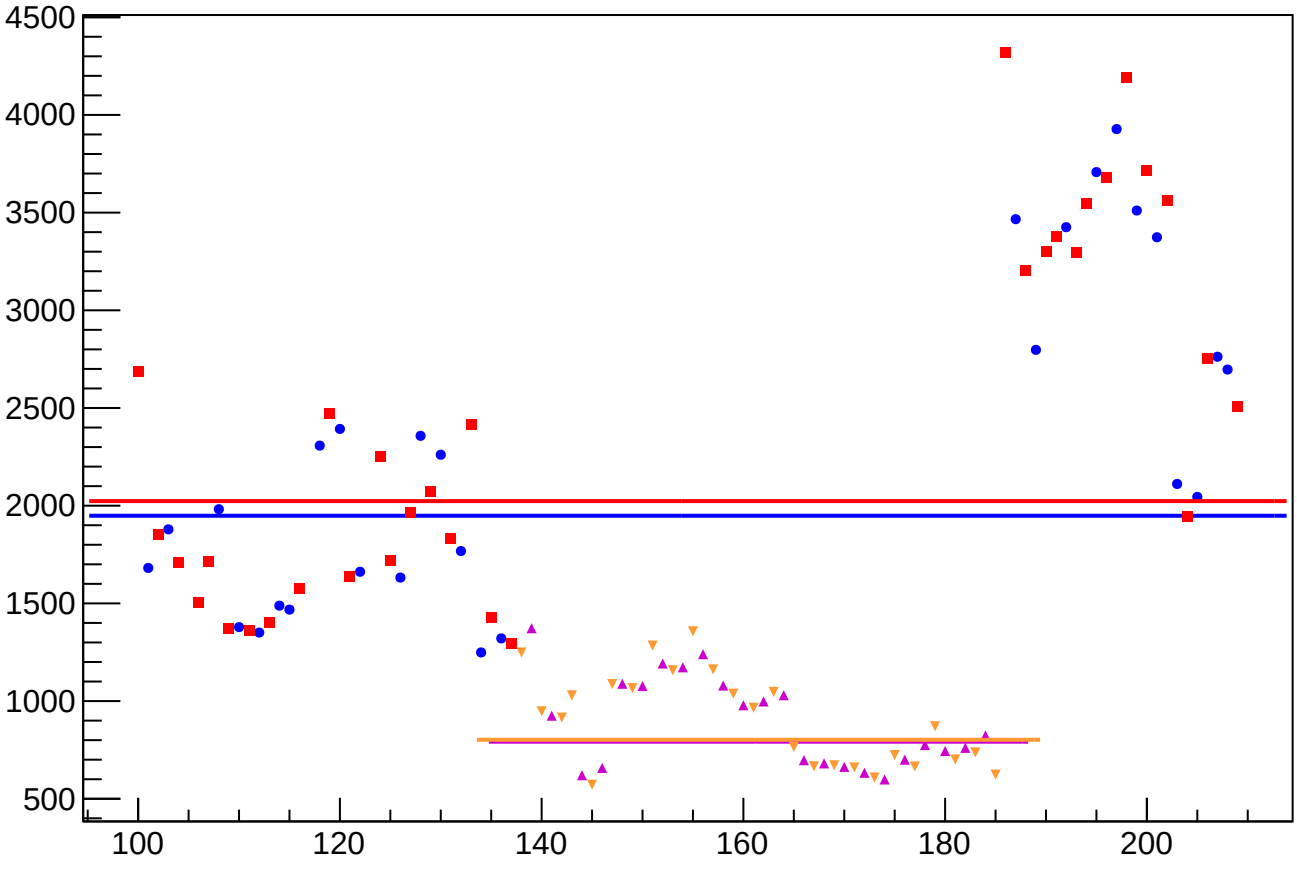
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 911.913+/-177.732 χ^2/NDF: 103.6/51

All: 572.700+/-126.417 χ^2/NDF: 165.9/106

- sign 225.367+/-179.847 χ^2/NDF: 55.0/54

asym_sam3_rms vs Slug



Right In: 1948.512+/-0.370 χ^2/NDF: 3479467.3/26

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2023.441+/-0.369 χ^2/NDF: 4183528.8/31

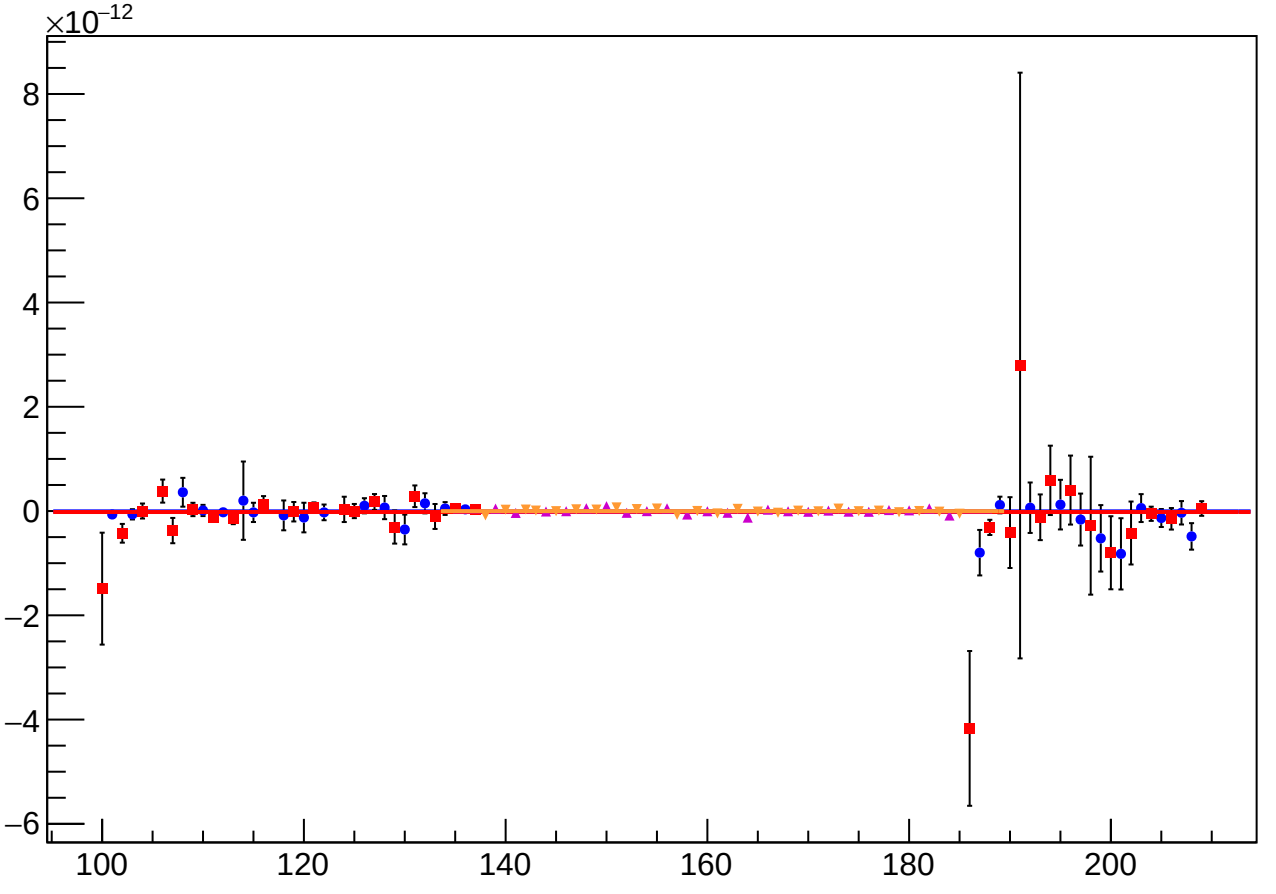
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 934.622+/-0.126 χ^2/NDF: 14387969.2/51

All: 936.513+/-0.089 χ^2/NDF: 30528575.3/10

- sign 938.450+/-0.127 χ^2/NDF: 16140147.7/54

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

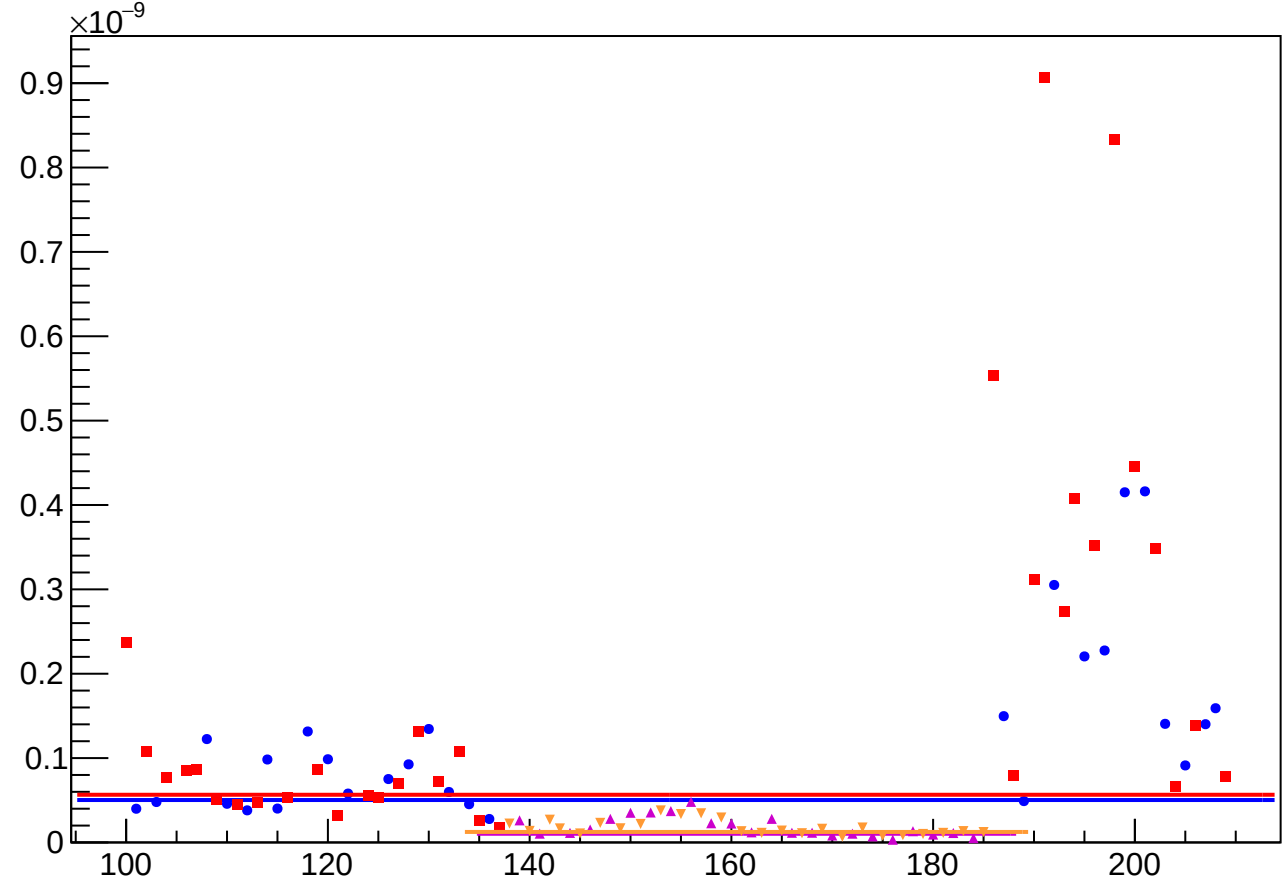
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/31

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/51

All: -0.000+/-0.000 χ^2/NDF: 113.5/106

- sign -0.000+/-0.000 χ^2/NDF: 71.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 4744986.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5800372.4/31

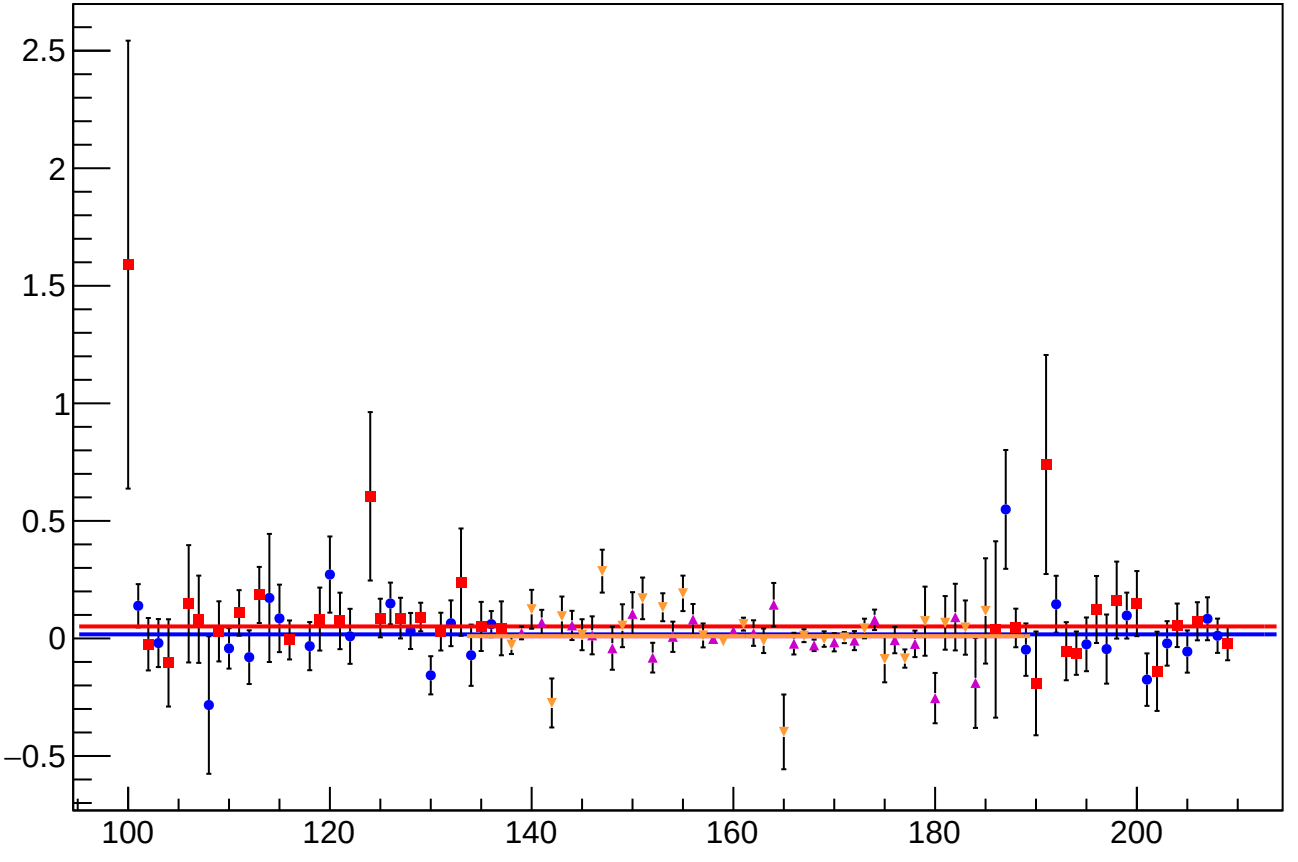
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11041933.3/51

All: 0.000+/-0.000 χ^2/NDF: 26038994.5/106

- sign 0.000+/-0.000 χ^2/NDF: 14789358.8/54

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.051+/-0.020 χ^2/NDF: 19.4/31

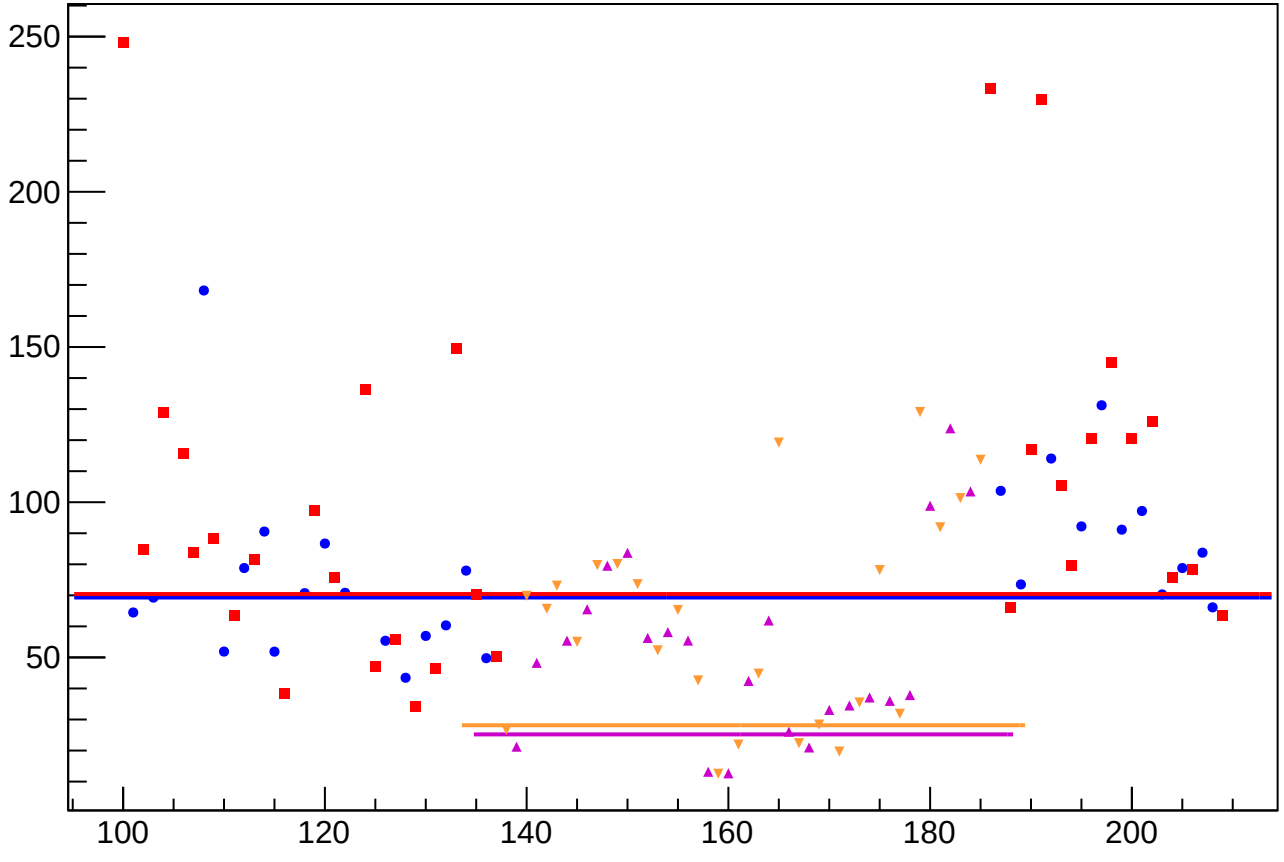
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 130.1/106

- sign 0.015+/-0.007 χ^2/NDF: 48.4/54

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.419+/-0.014 χ^2/NDF: 4370449.0/31

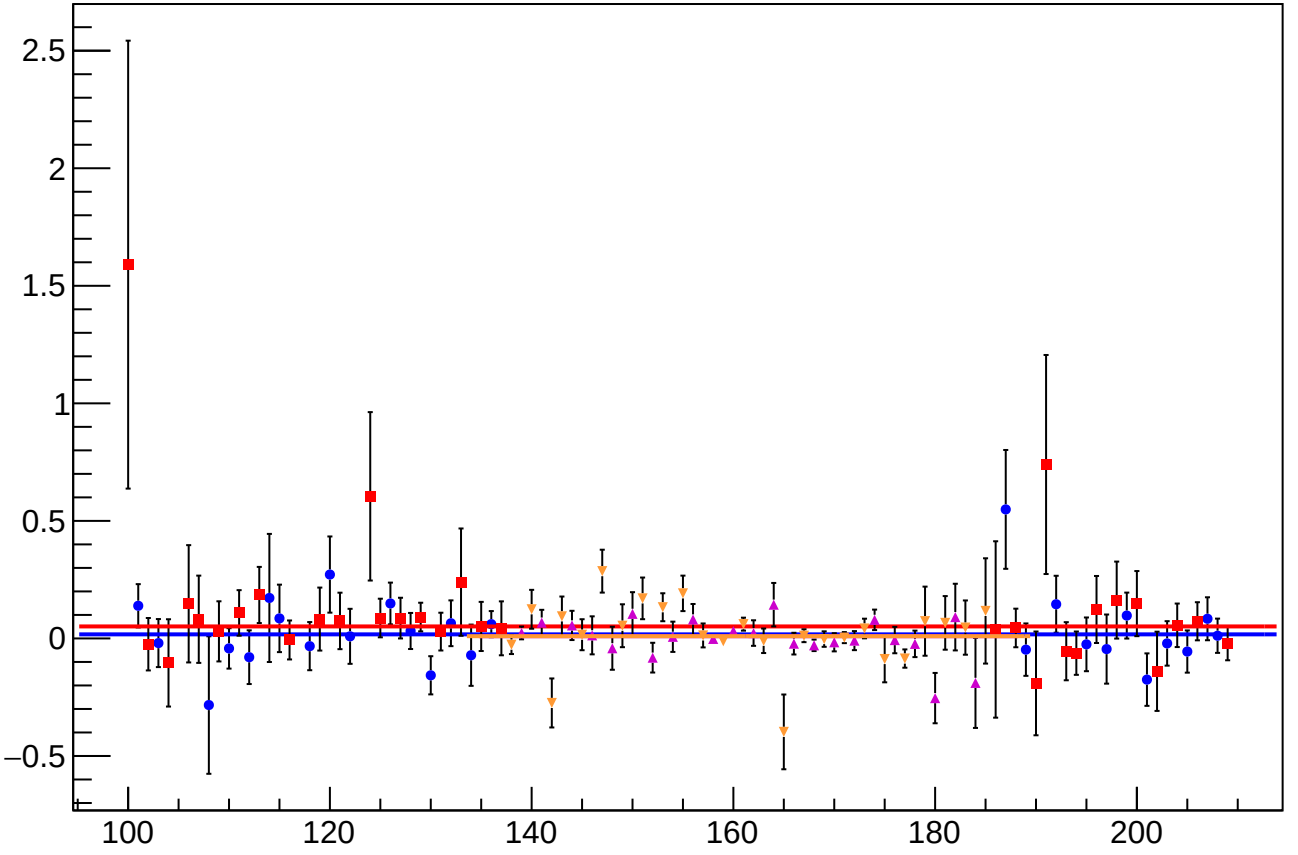
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.727+/-0.005 χ^2/NDF: 20678776.0/51

All: 33.020+/-0.004 χ^2/NDF: 44239872.8/106

- sign 31.484+/-0.005 χ^2/NDF: 23376862.6/54

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.051+/-0.020 χ^2/NDF: 19.4/31

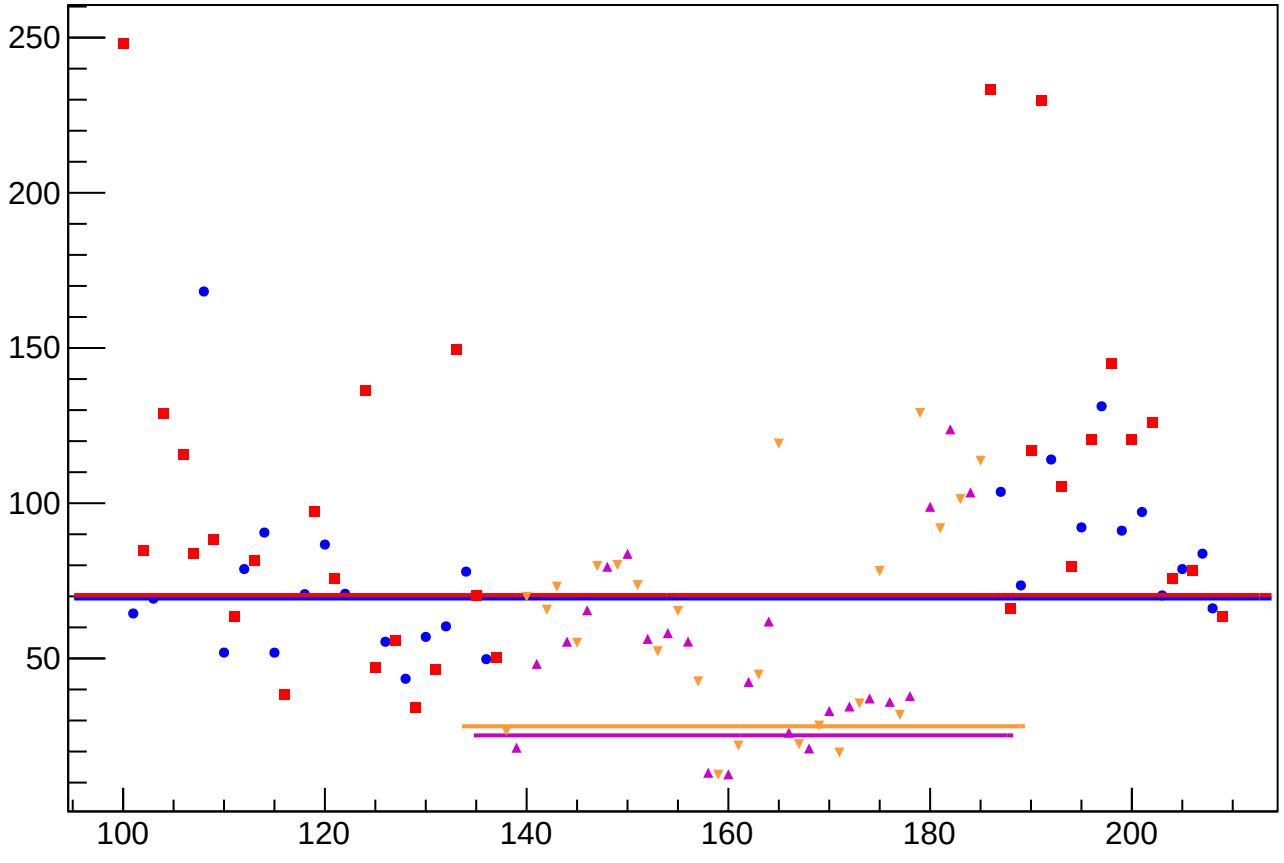
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 130.1/106

- sign 0.015+/-0.007 χ^2/NDF: 48.4/54

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.419+/-0.014 χ^2/NDF: 4370449.0/31

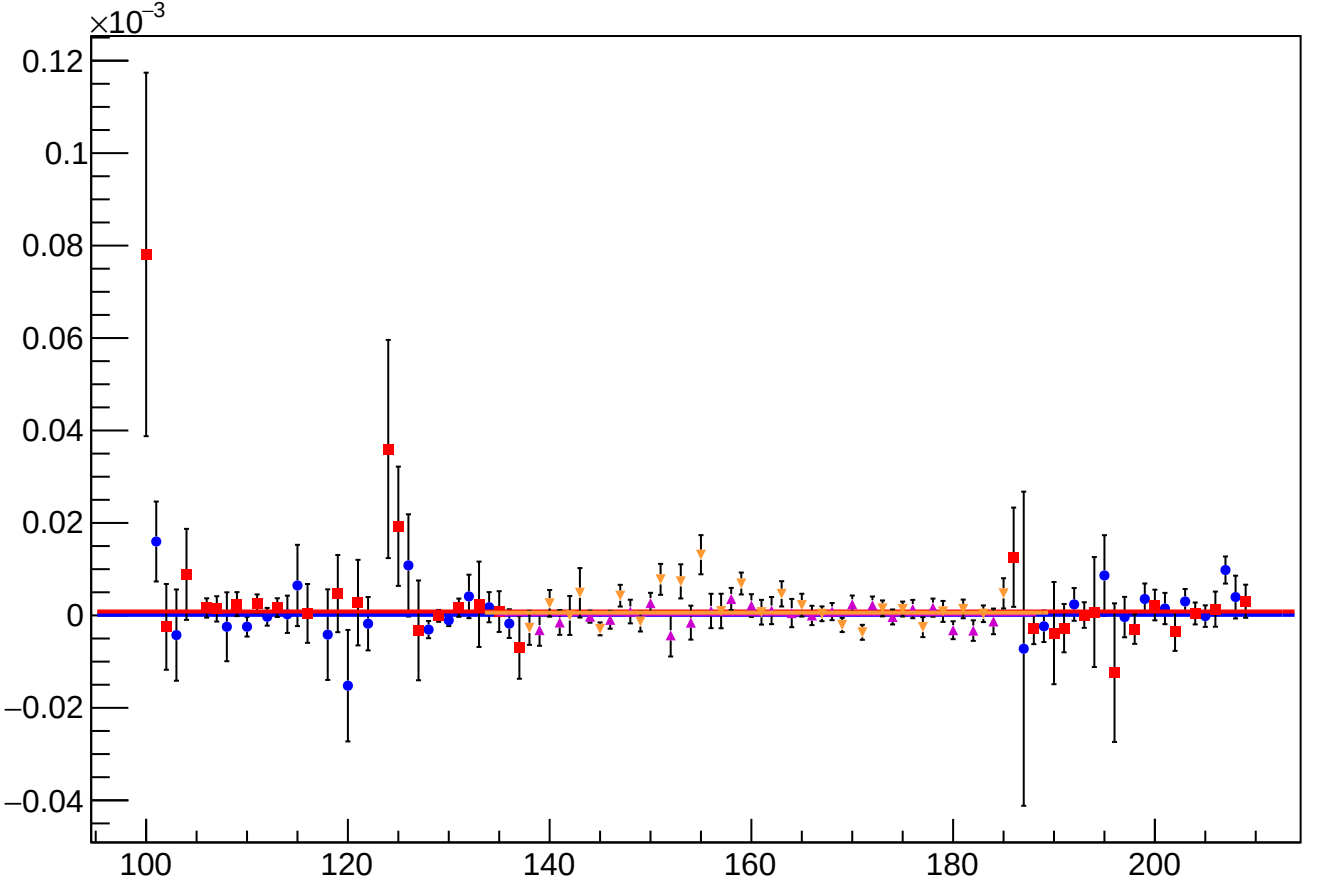
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.727+/-0.005 χ^2/NDF: 20678776.0/51

All: 33.020+/-0.004 χ^2/NDF: 44239872.8/106

- sign 31.484+/-0.005 χ^2/NDF: 23376862.6/54

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/31

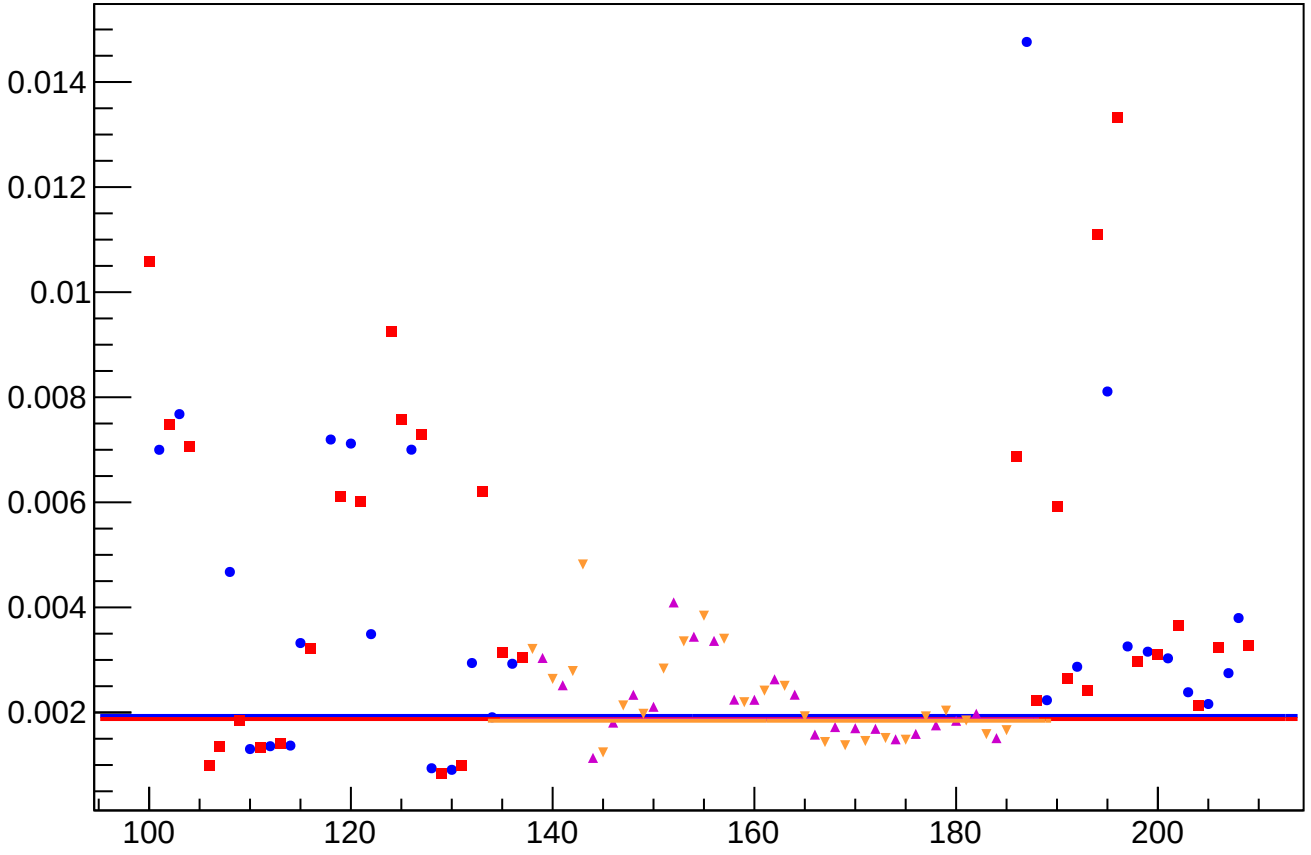
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.4/51

All: 0.000+/-0.000 χ^2/NDF: 119.5/106

- sign 0.000+/-0.000 χ^2/NDF: 37.0/54

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8460860.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11221852.3/31

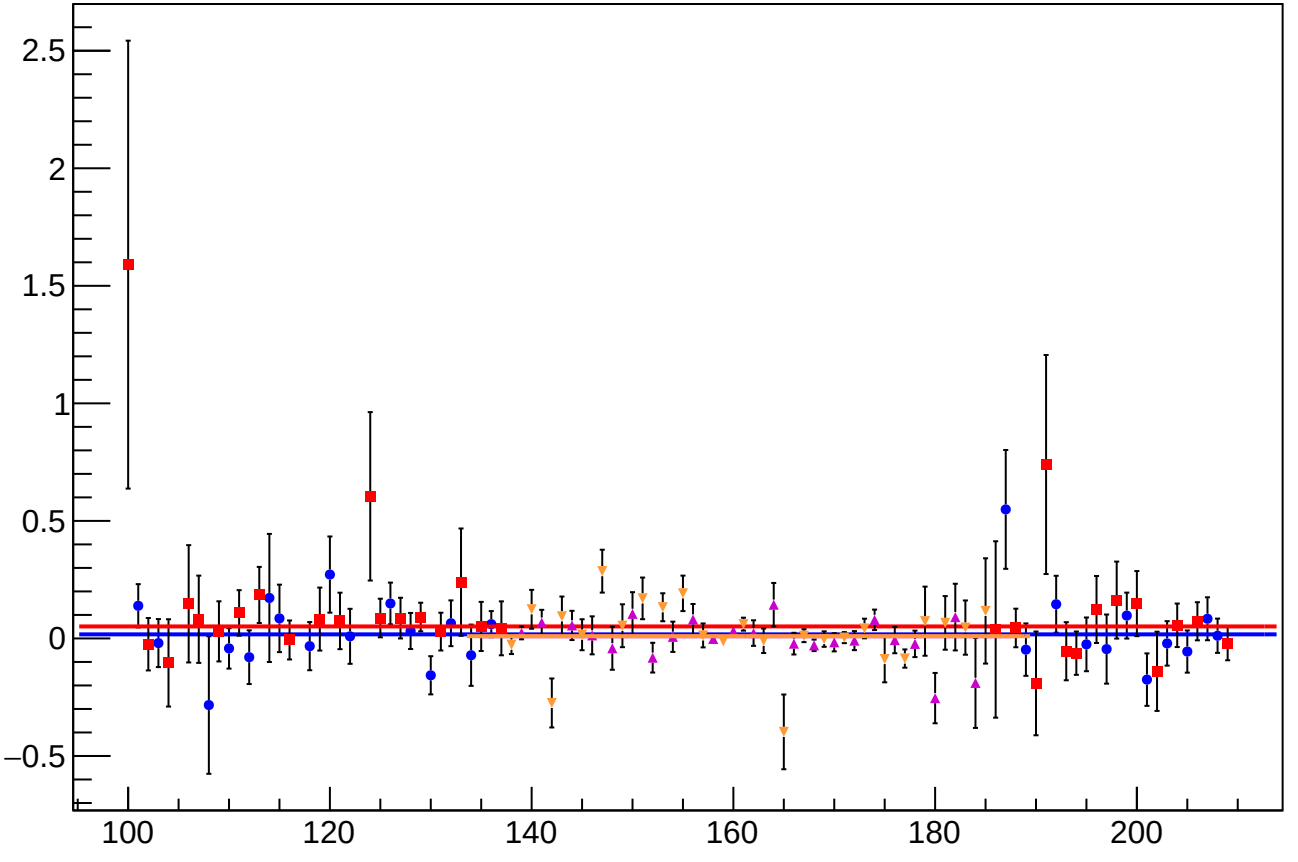
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 12273011.8/51

All: 0.002+/-0.000 χ^2/NDF: 26289656.0/106

- sign 0.002+/-0.000 χ^2/NDF: 14016363.8/54

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.051+/-0.020 χ^2/NDF: 19.4/31

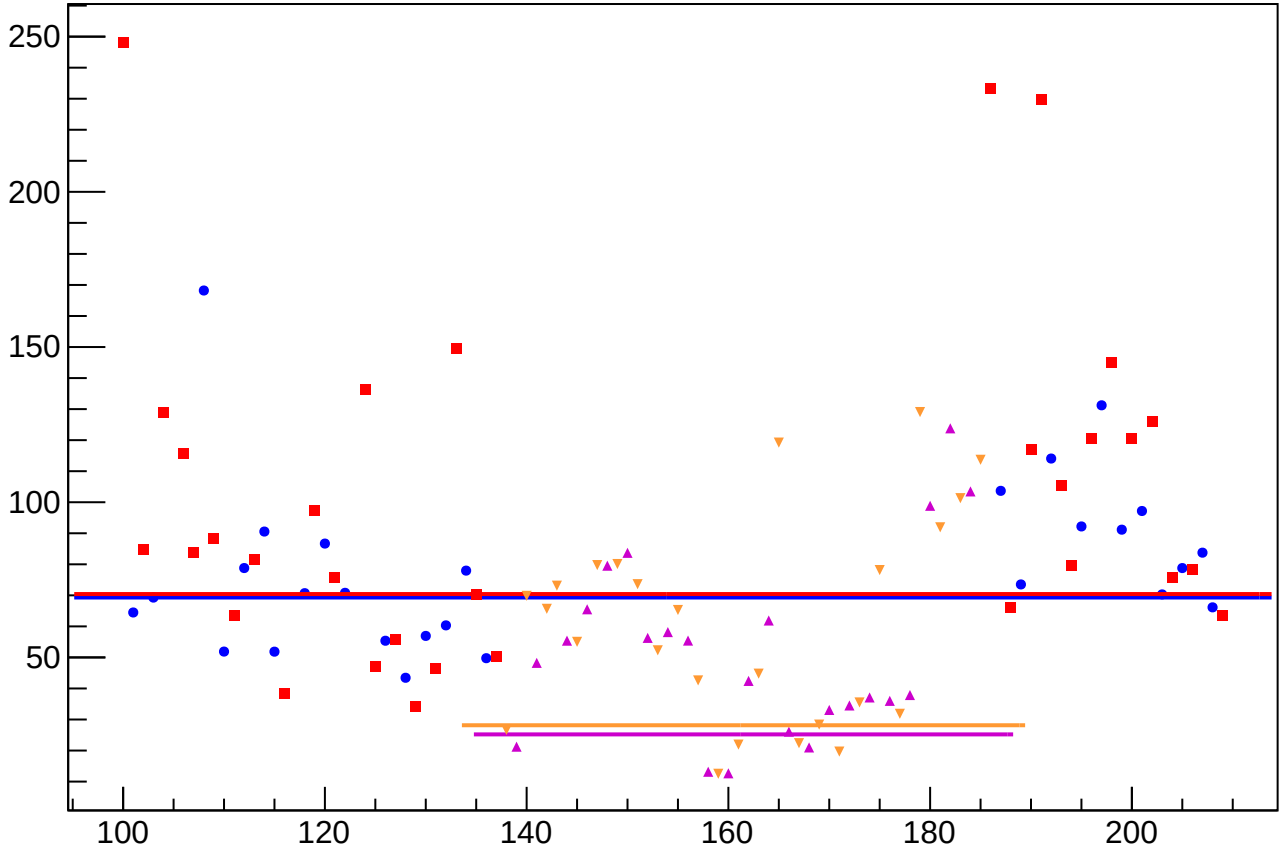
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 81.5/51

All: 0.013+/-0.005 χ^2/NDF: 130.1/106

- sign 0.015+/-0.007 χ^2/NDF: 48.4/54

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

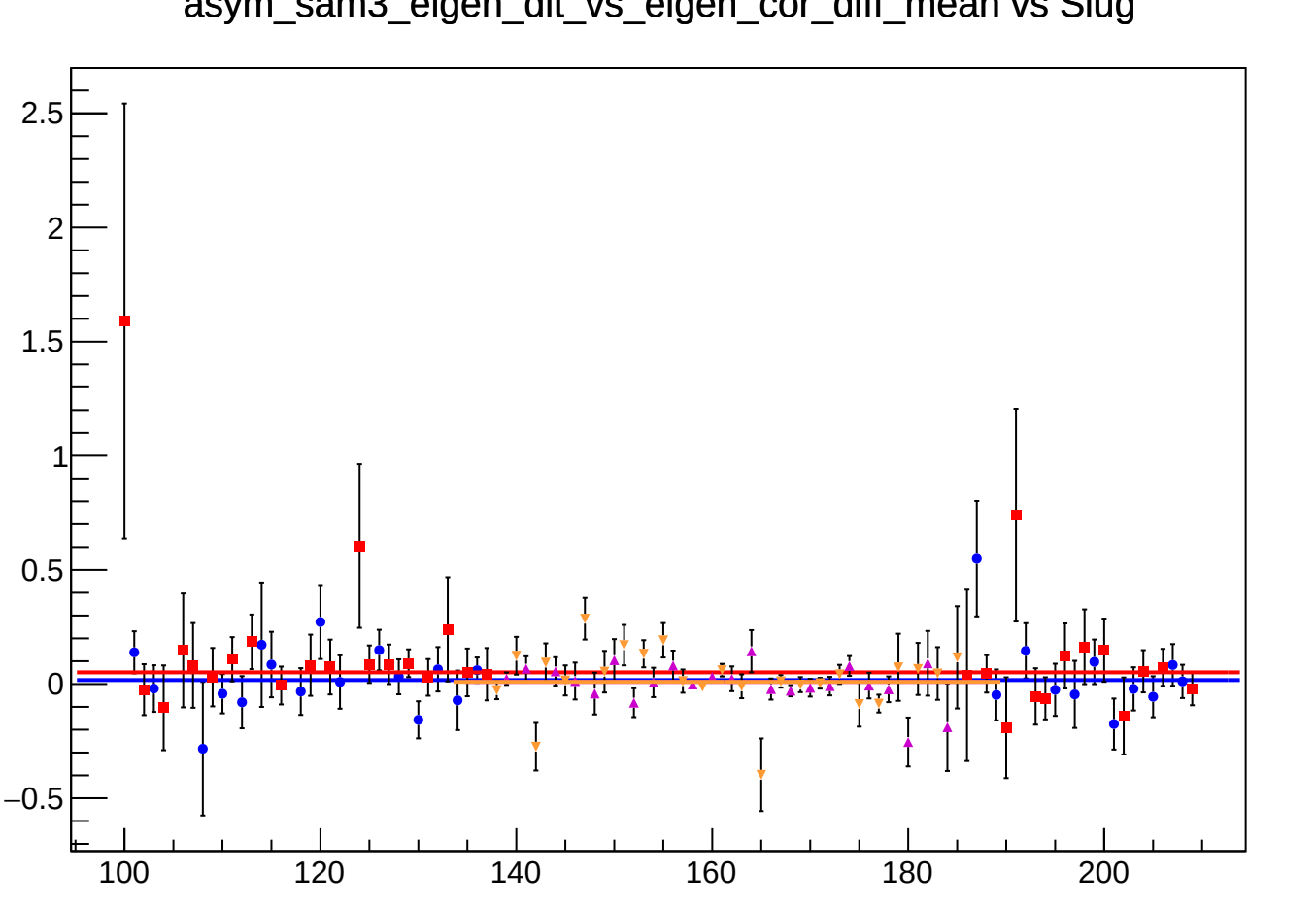
Right Out: 70.421+/-0.014 χ^2/NDF: 4370487.5/31

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

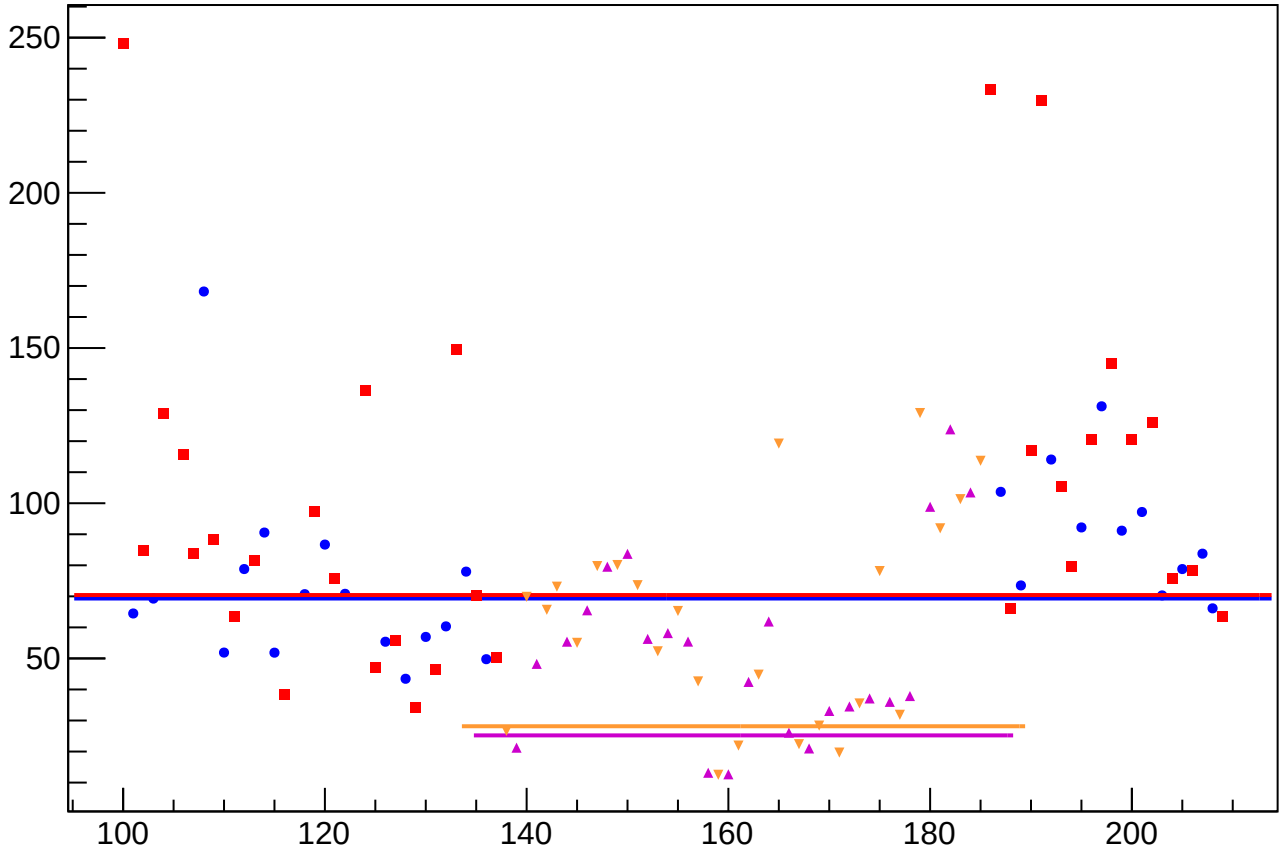
+ sign 34.726+/-0.005 χ^2/NDF: 20680397.8/51

All: 33.019+/-0.004 χ^2/NDF: 44242280.6/106

- sign 31.484+/-0.005 χ^2/NDF: 23377743.9/54


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2.5
2
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 0.017+/-0.019 χ²/NDF: 26.7/26
Left Out: 0.010+/-0.008 χ²/NDF:54.6/24
Right Out: 0.051+/-0.020 χ²/NDF: 19.4/31
Left In: 0.009+/-0.008 χ²/NDF:25.2/22
+ sign 0.011+/-0.008 χ²/NDF: 81.5/51
All: 0.013+/-0.005 χ²/NDF: 130.1/106
- sign 0.015+/-0.007 χ²/NDF: 48.4/54

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.421+/-0.014 χ^2/NDF: 4370487.5/31

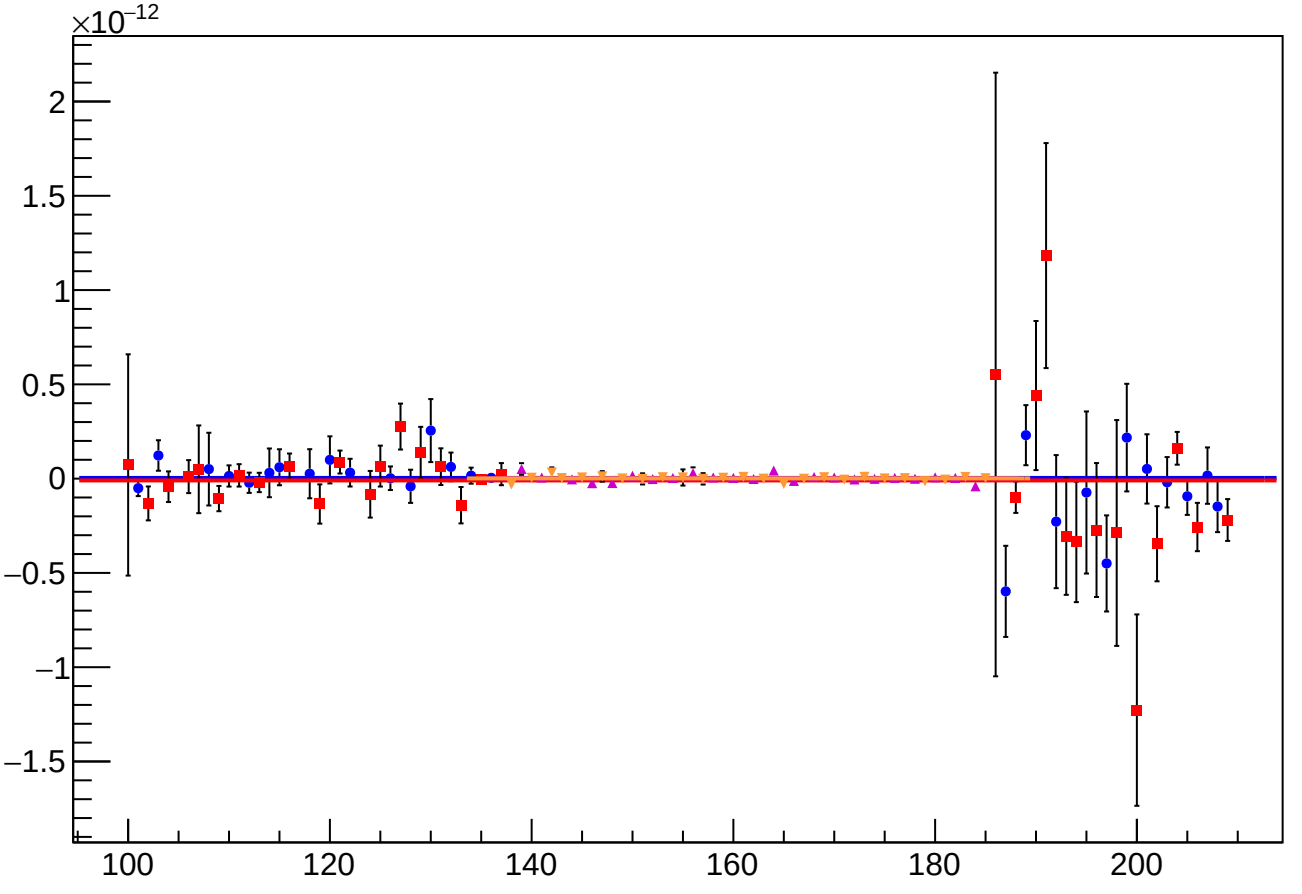
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 34.726+/-0.005 χ^2/NDF: 20680397.8/51

All: 33.019+/-0.004 χ^2/NDF: 44242280.6/106

- sign 31.484+/-0.005 χ^2/NDF: 23377743.9/54

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

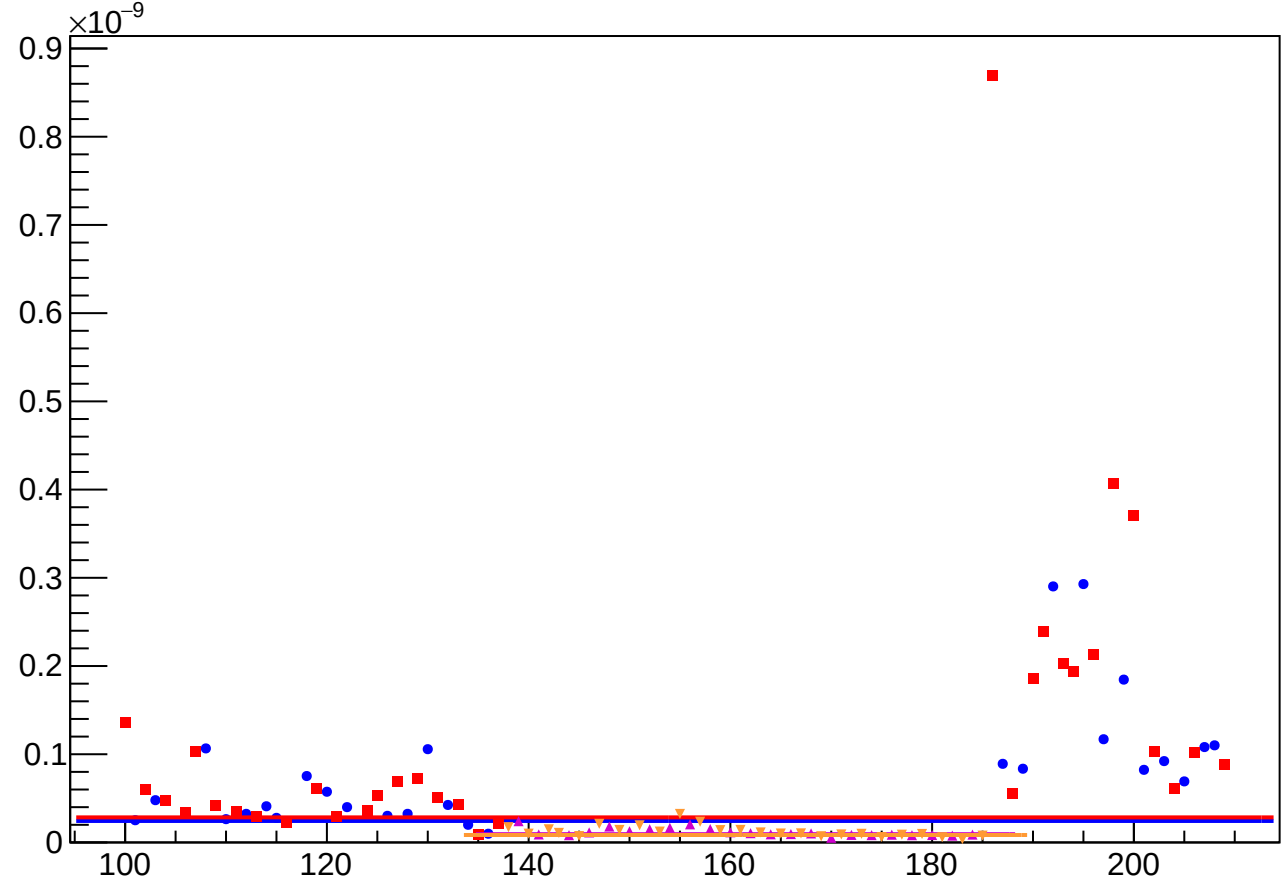
Right Out: -0.000+/-0.000 χ^2/NDF: 49.0/31

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.5/51

All: 0.000+/-0.000 χ^2/NDF: 105.1/106

- sign 0.000+/-0.000 χ^2/NDF: 70.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 9150831.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10393057.0/31

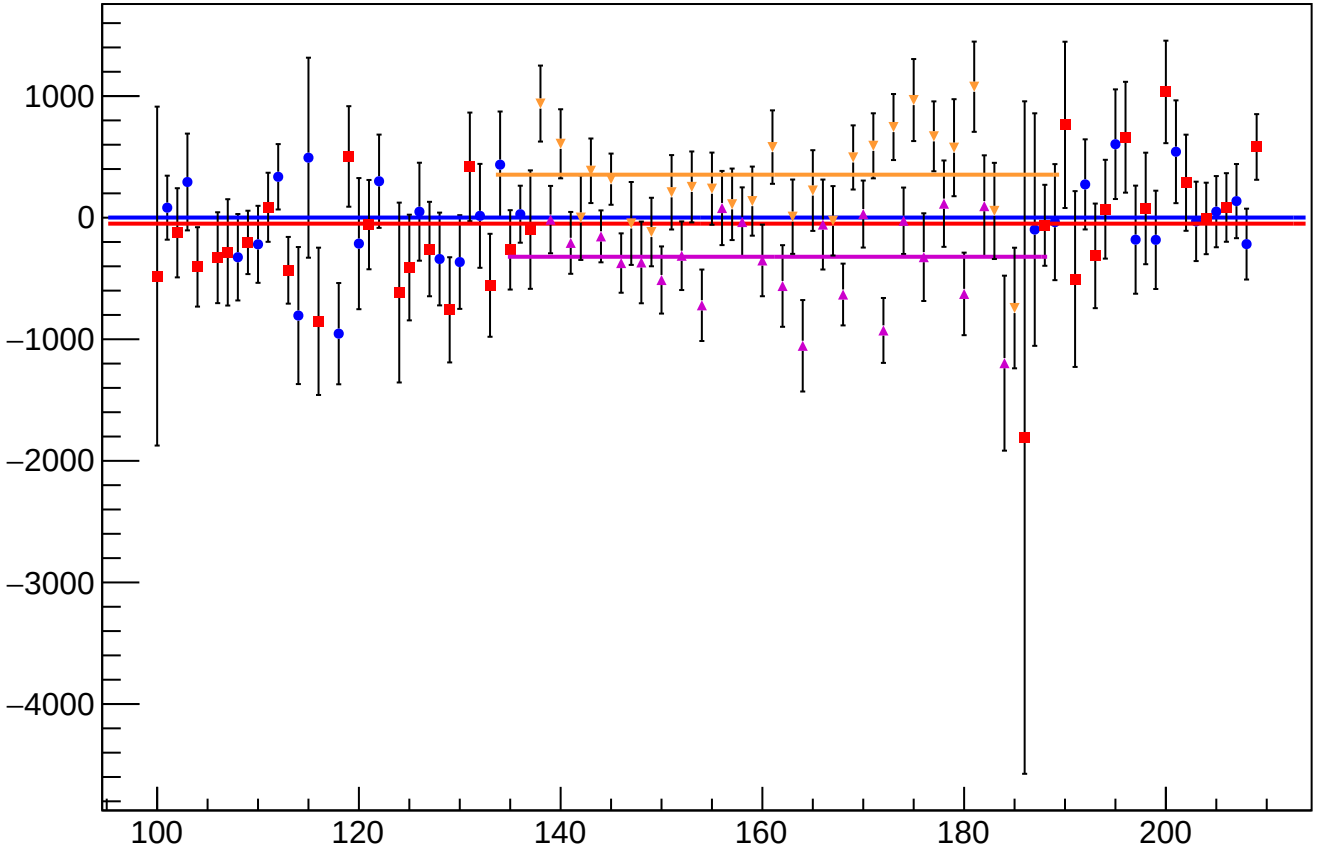
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16934337.7/51

All: 0.000+/-0.000 χ^2/NDF: 33719665.1/106

- sign 0.000+/-0.000 χ^2/NDF: 16641376.9/54

reg_asym_sam4_mean vs Slug



Right In: 1.044+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -49.218+/-68.435 χ^2/NDF: 33.7/31

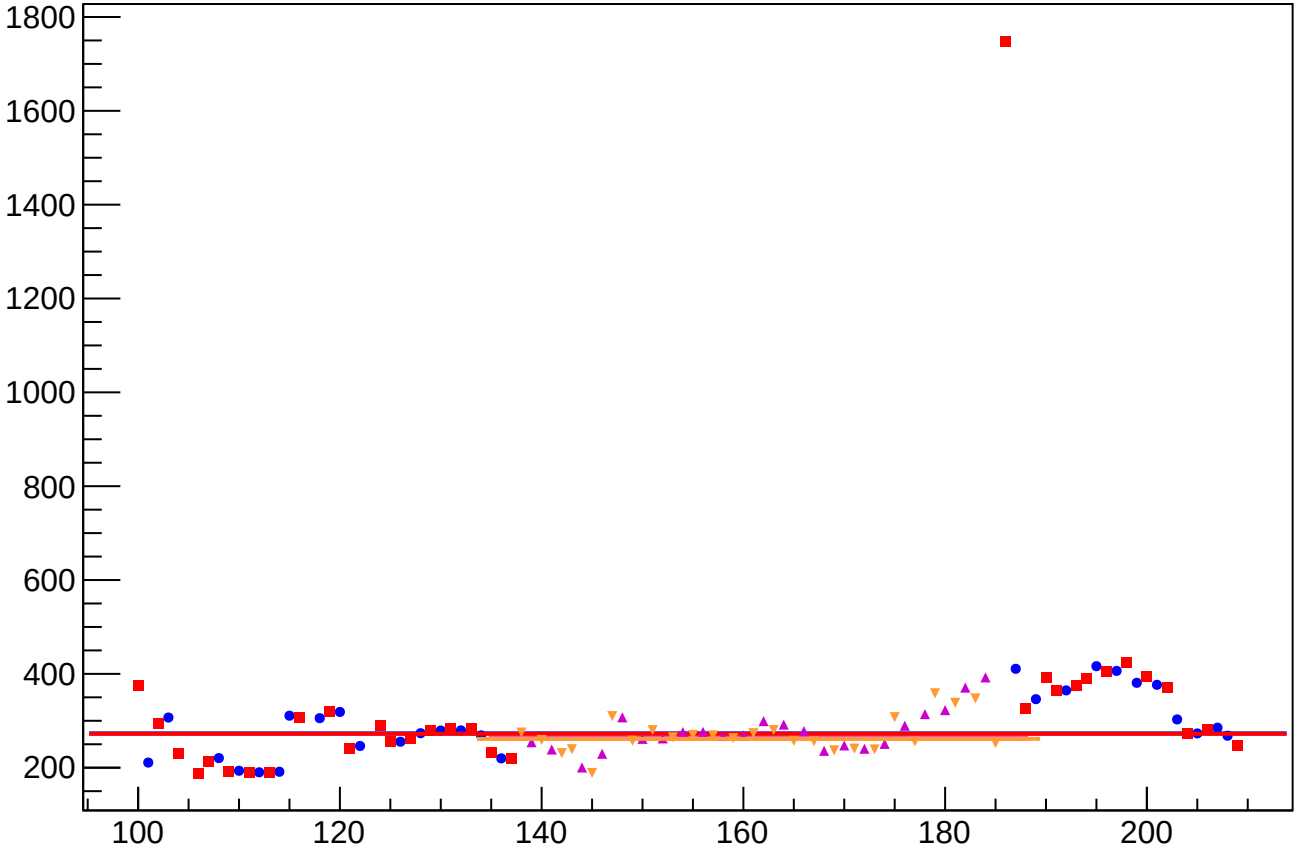
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

\+ sign 205.682+/-45.824 χ^2/NDF: 66.6/51

All: 4.327+/-32.462 χ^2/NDF: 173.9/106

\- sign -198.519+/-45.994 χ^2/NDF: 68.6/54

reg_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF: 1552132.1/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 272.228+/-0.048 χ^2/NDF: 2540474.0/31

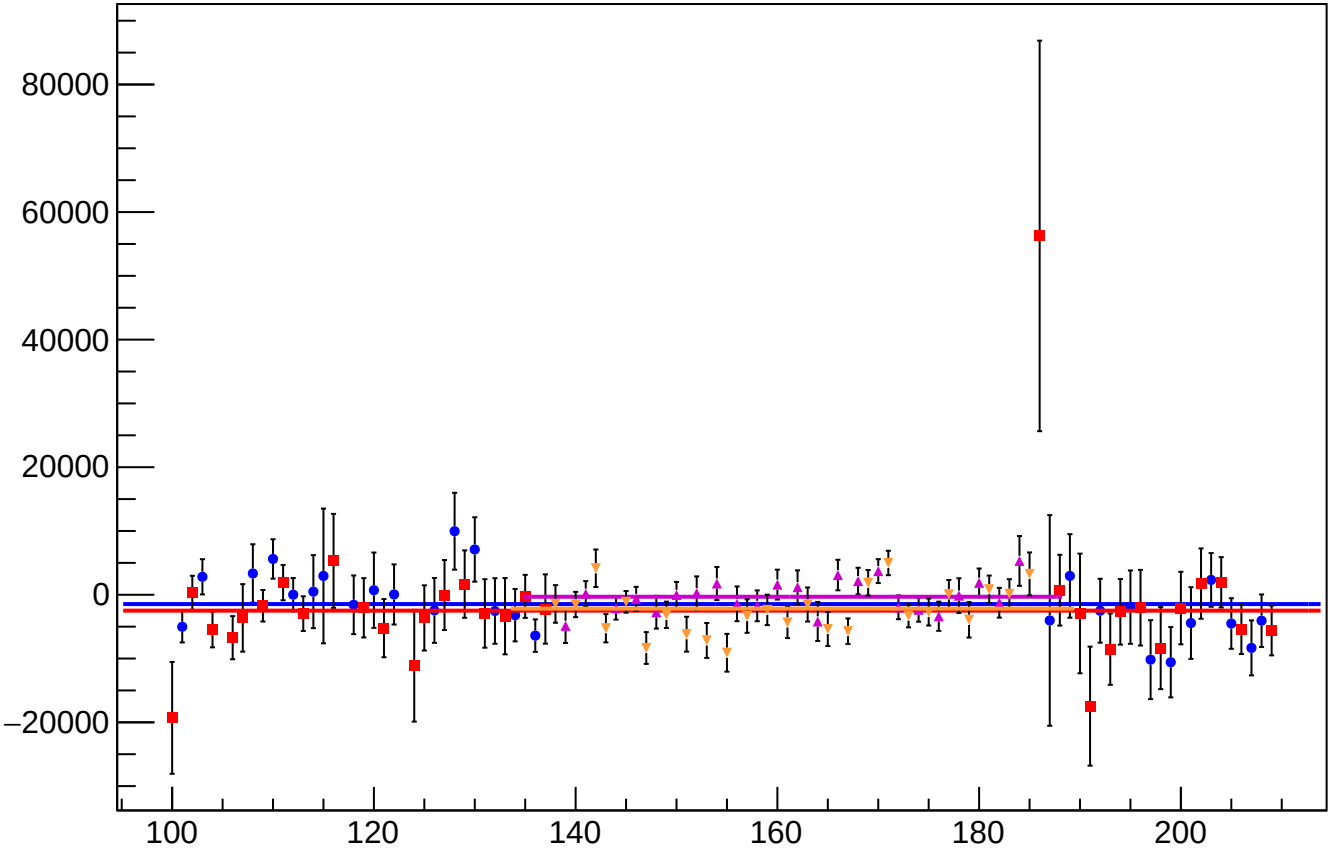
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 266.377+/-0.032 χ^2/NDF: 2299328.3/51

All: 266.666+/-0.023 χ^2/NDF: 5532242.7/106

- sign 266.958+/-0.033 χ^2/NDF: 3232754.4/54

asym_sam4_reg_correction_mean vs Slug



Right In: -1461.995+/-807.200 χ^2/NDF: 32.1/26

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2489.597+/-769.475 χ^2/NDF: 25.6/31

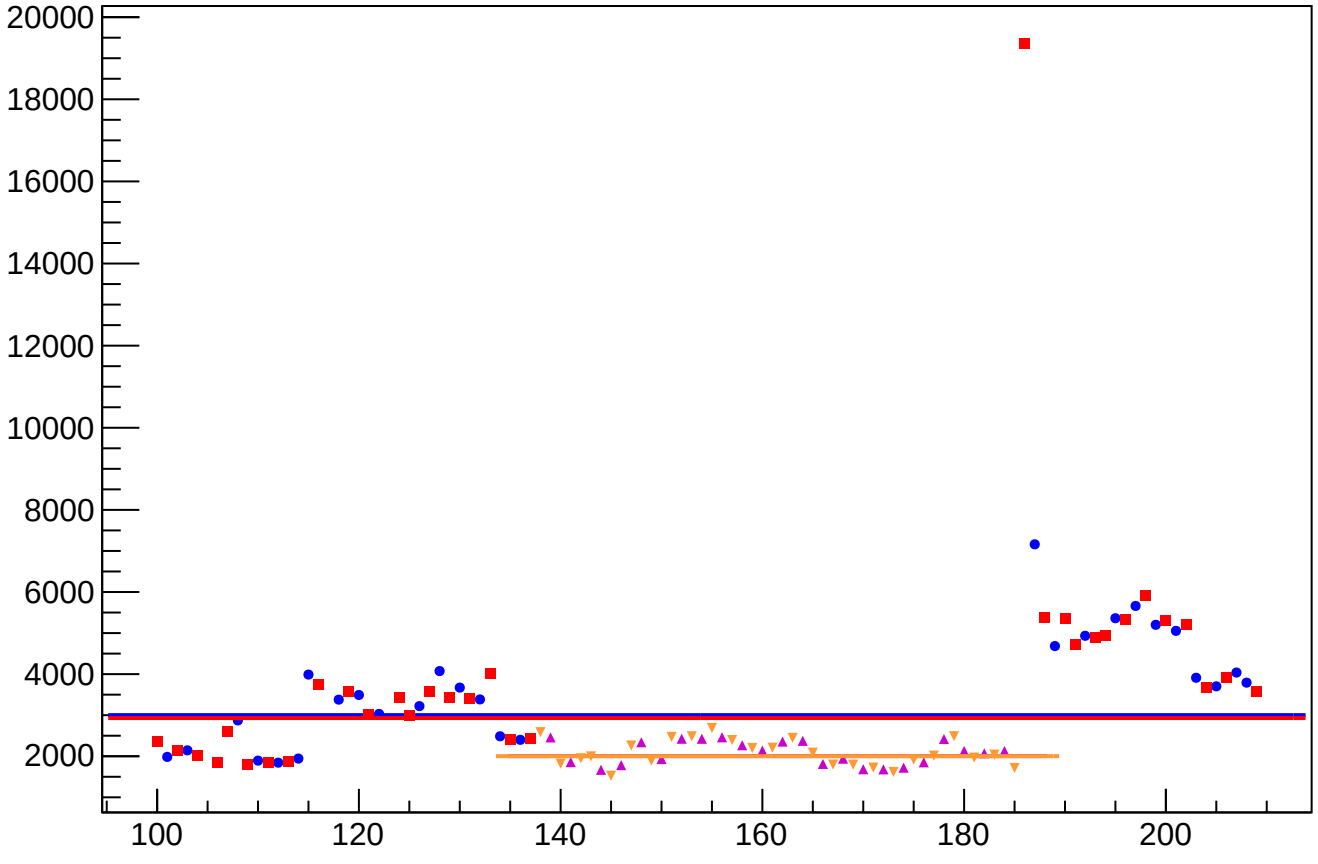
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1996.885+/-400.740 χ^2/NDF: 88.2/51

All: -1458.551+/-284.381 χ^2/NDF: 146.9/106

- sign -912.430+/-403.627 χ^2/NDF: 55.1/54

asym_sam4_reg_correction_rms vs Slug



Right In: 3001.264+/-0.571 χ^2/NDF: 3753810.5/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2930.356+/-0.544 χ^2/NDF: 5331823.7/31

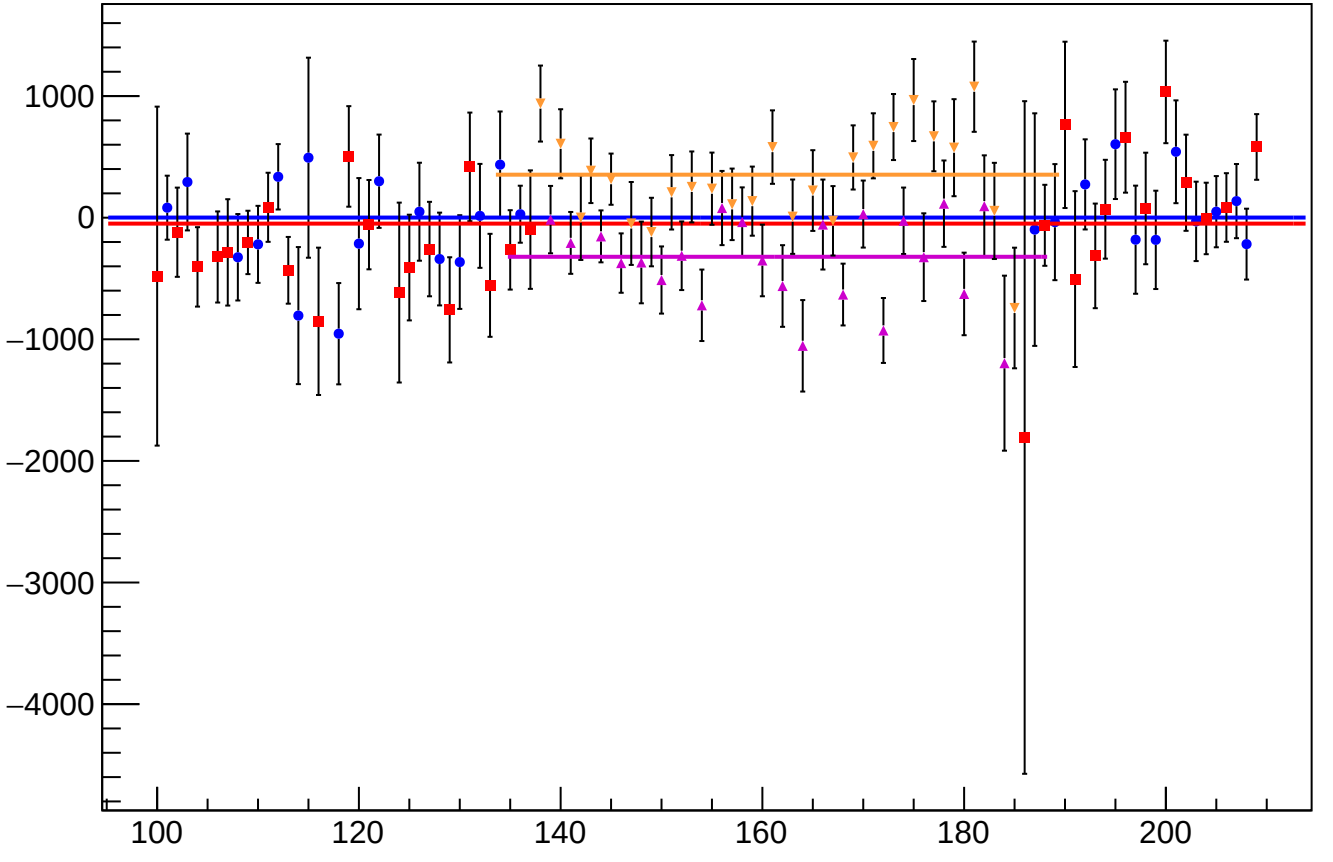
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2248.460+/-0.283 χ^2/NDF: 6955021.1/51

All: 2253.725+/-0.201 χ^2/NDF: 15092438.9/1

- sign 2259.065+/-0.285 χ^2/NDF: 8136722.6/54

cor_asym_sam4_mean vs Slug



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -48.802+/-68.441 χ^2/NDF: 33.7/31

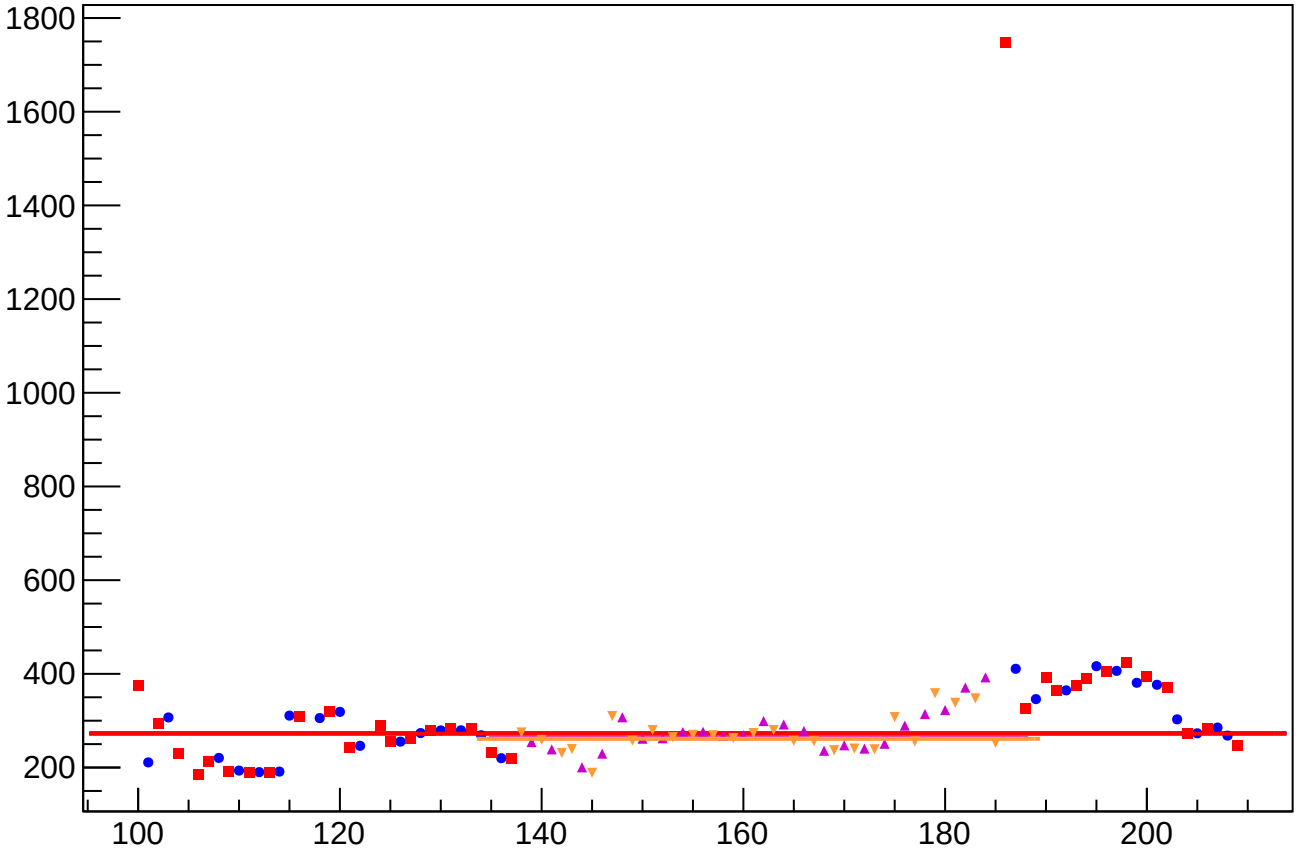
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 205.689+/-45.824 χ^2/NDF: 66.6/51

All: 4.425+/-32.463 χ^2/NDF: 173.9/106

- sign -198.346+/-45.996 χ^2/NDF: 68.6/54

cor_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 272.162+/-0.048 χ^2/NDF: 2546240.0/31

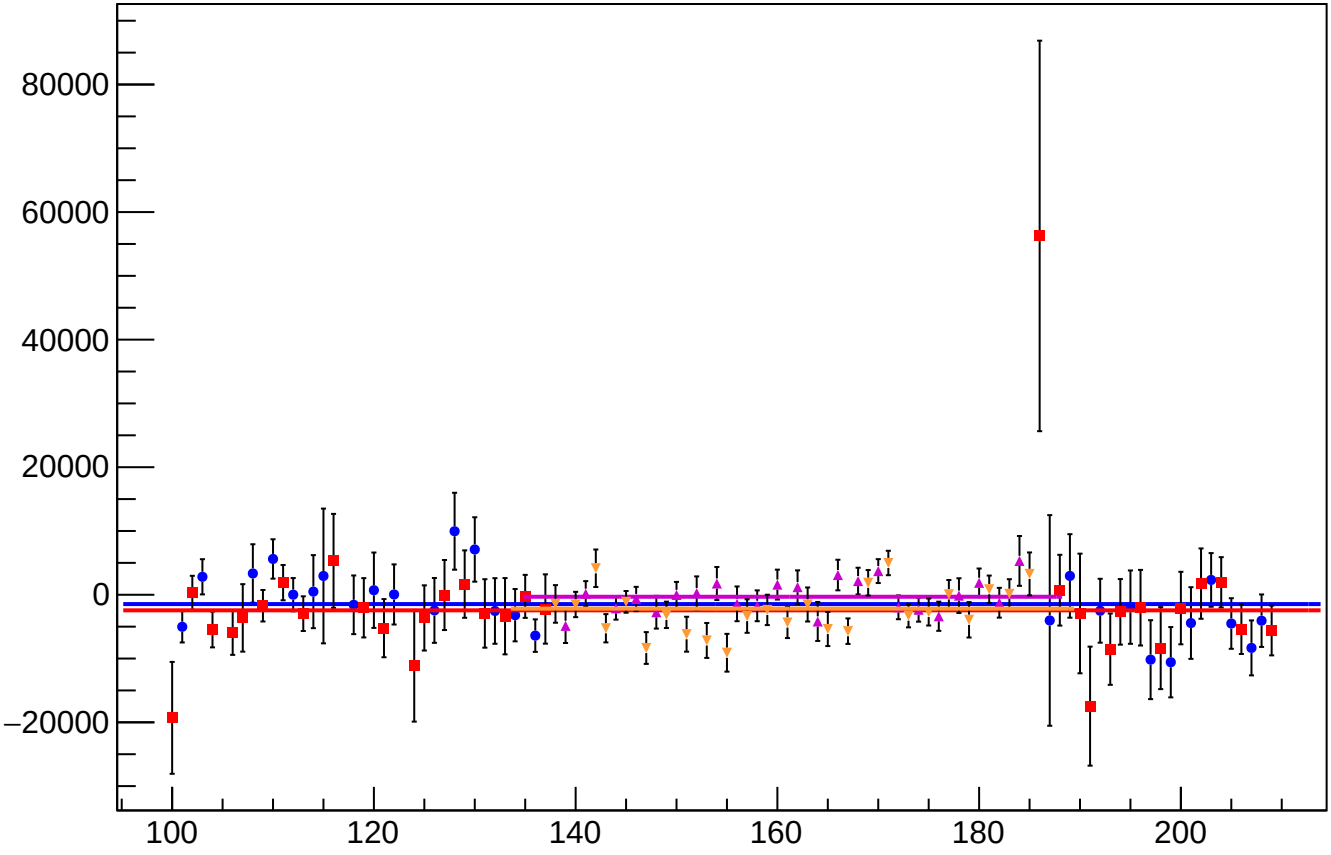
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 266.377+/-0.032 χ^2/NDF: 2299330.0/51

All: 266.651+/-0.023 χ^2/NDF: 5537692.7/106

- sign 266.927+/-0.033 χ^2/NDF: 3238219.1/54

asym_sam4_cor_correction_mean vs Slug



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2440.656+/-770.552 χ^2/NDF: 25.0/31

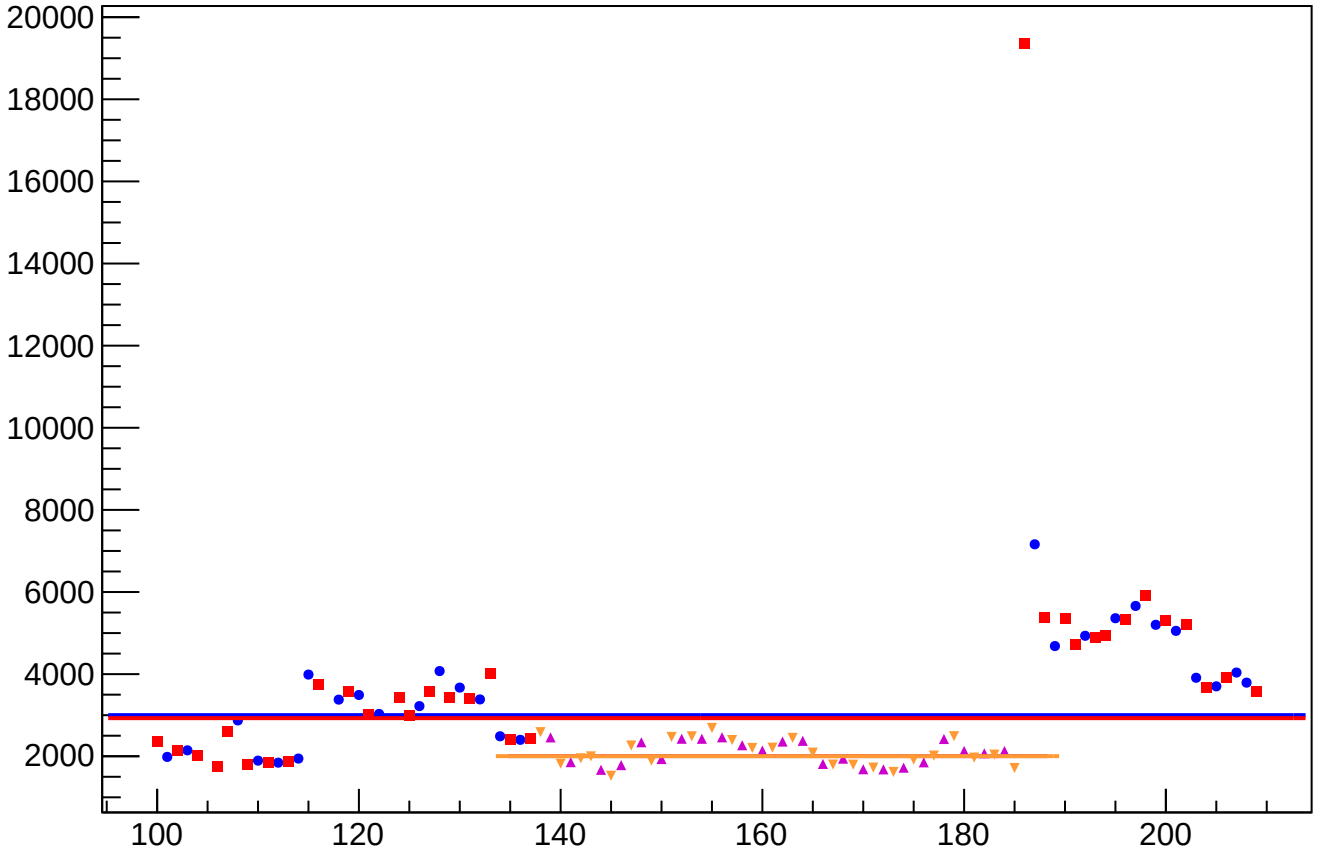
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1996.897+/-400.740 χ^2/NDF: 88.2/51

All: -1451.496+/-284.436 χ^2/NDF: 146.1/106

- sign -897.782+/-403.783 χ^2/NDF: 54.2/54

asym_sam4_cor_correction_rms vs Slug



Right In: 3001.289+/-0.571 χ^2/NDF: 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2927.924+/-0.545 χ^2/NDF: 5362573.4/31

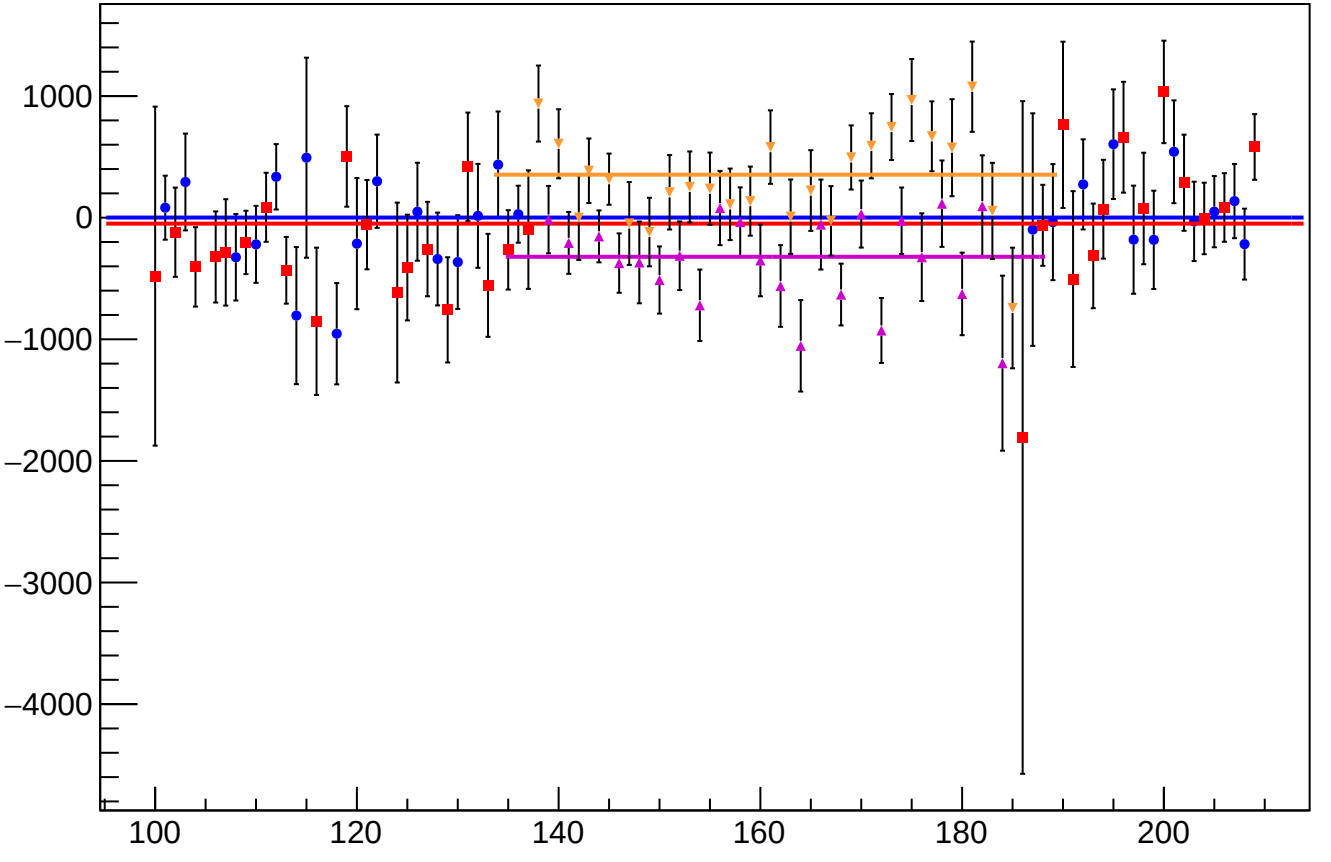
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2248.464+/-0.283 χ^2/NDF: 6955011.5/51

All: 2253.137+/-0.201 χ^2/NDF: 15107781.6/1

- sign 2257.881+/-0.286 χ^2/NDF: 8152222.0/54

eigen_cor_asym_sam4_mean vs Slug



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -48.802+/-68.441 χ^2/NDF: 33.7/31

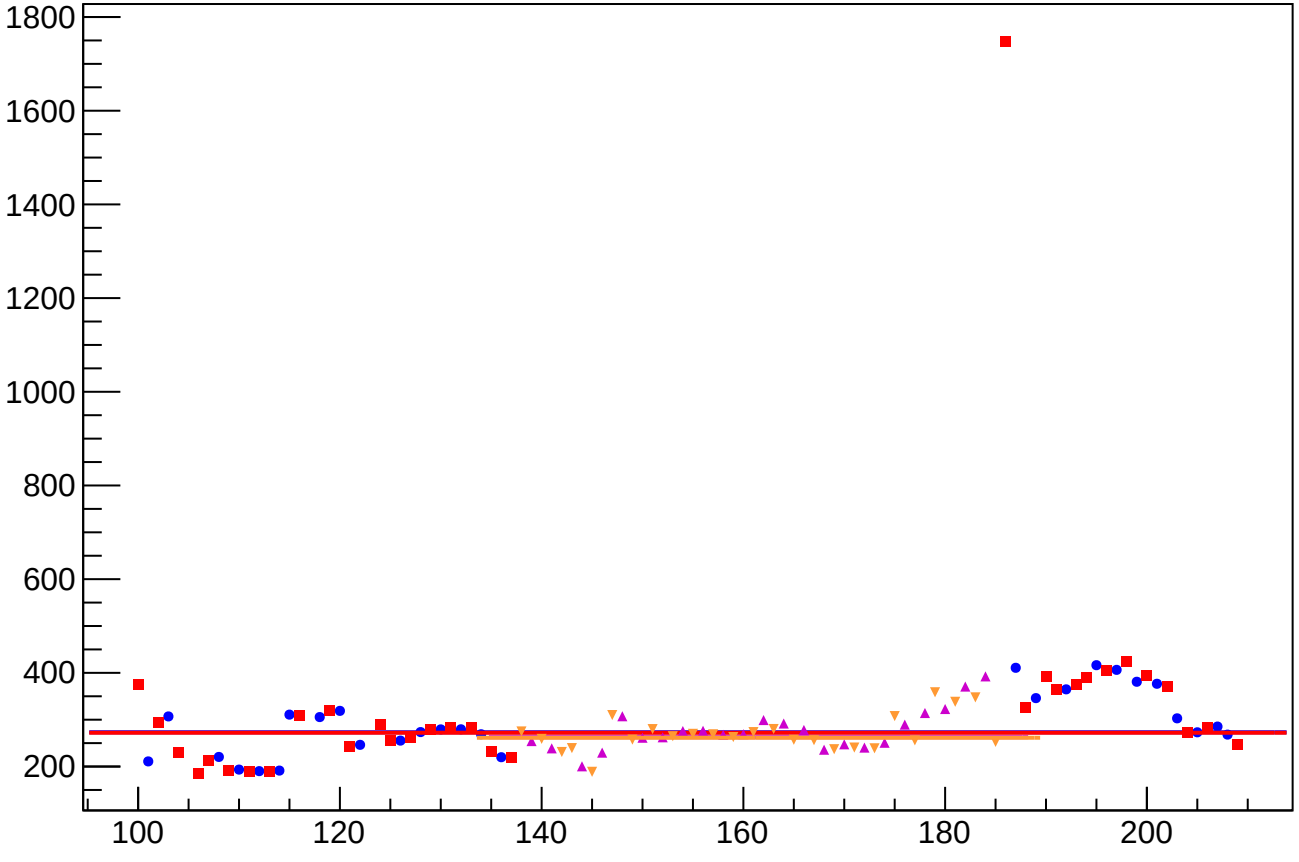
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 205.689+/-45.824 χ^2/NDF: 66.6/51

All: 4.425+/-32.463 χ^2/NDF: 173.9/106

- sign -198.346+/-45.996 χ^2/NDF: 68.6/54

eigen_cor_asym_sam4_rms vs Slug



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 272.162+/-0.048 χ^2/NDF: 2546240.0/31

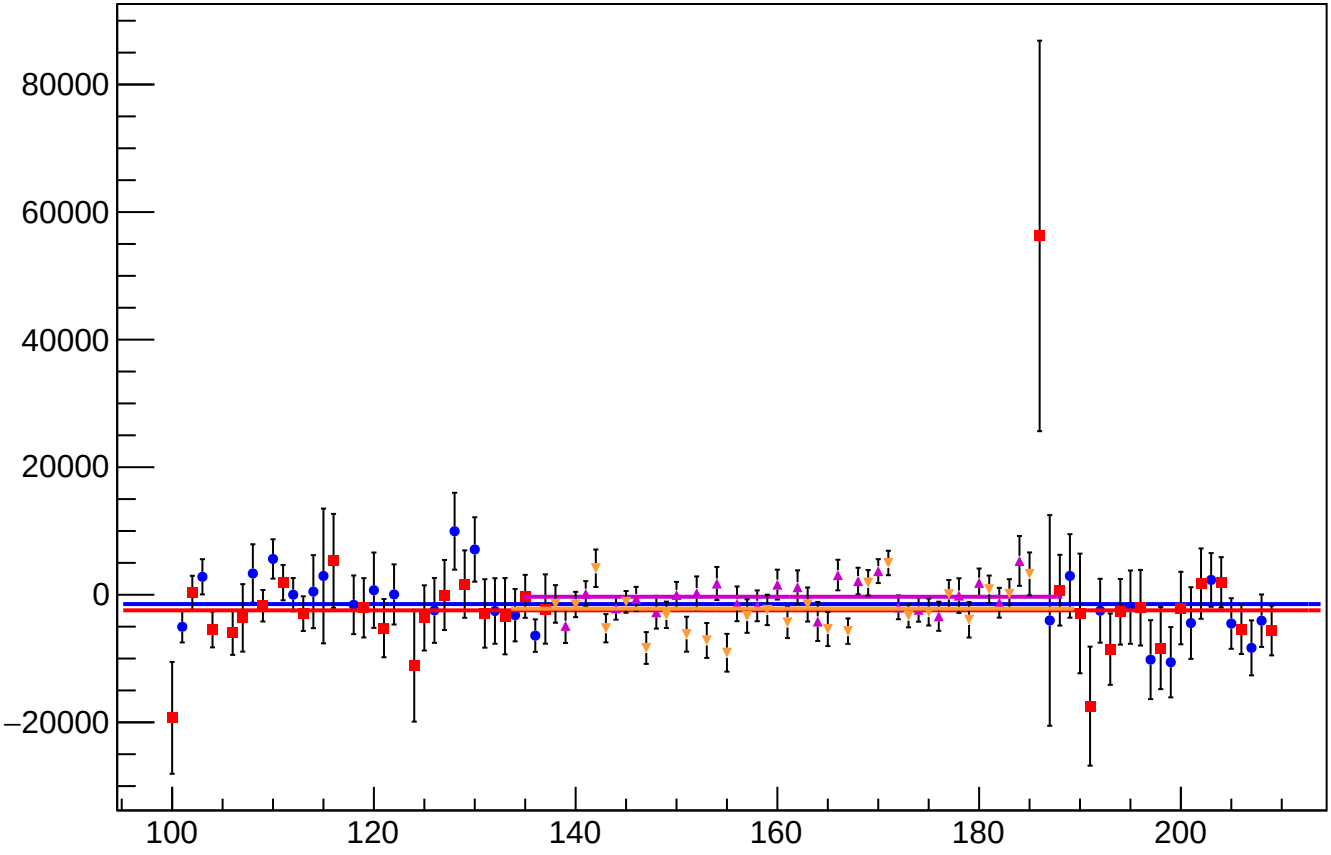
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 266.377+/-0.032 χ^2/NDF: 2299330.0/51

All: 266.651+/-0.023 χ^2/NDF: 5537692.7/106

- sign 266.927+/-0.033 χ^2/NDF: 3238219.1/54

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2440.656+/-770.552 χ^2/NDF: 25.0/31

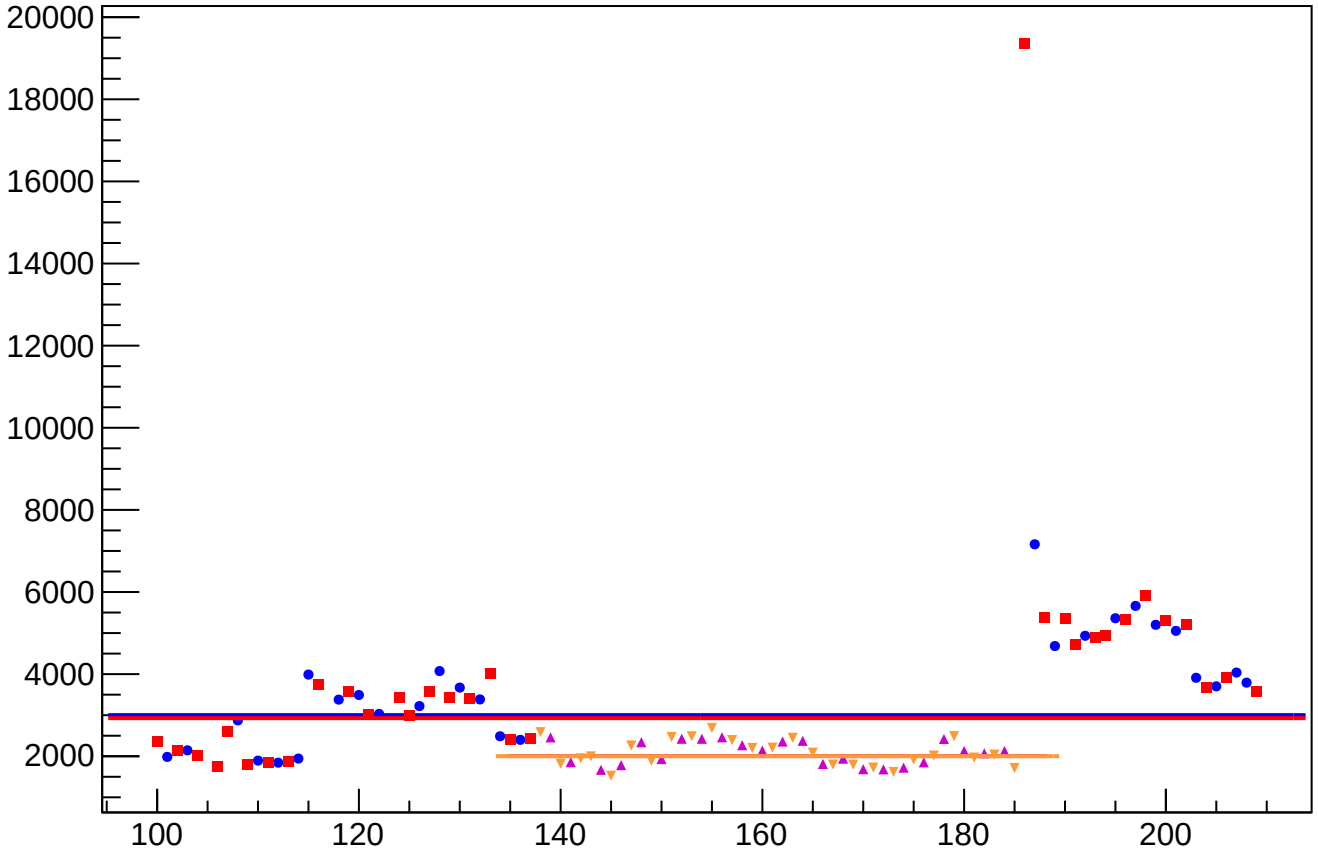
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1996.897+/-400.740 χ^2/NDF: 88.2/51

All: -1451.496+/-284.436 χ^2/NDF: 146.1/106

- sign -897.782+/-403.783 χ^2/NDF: 54.2/54

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3001.289+/-0.571 χ^2/NDF: 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2927.924+/-0.545 χ^2/NDF: 5362573.4/31

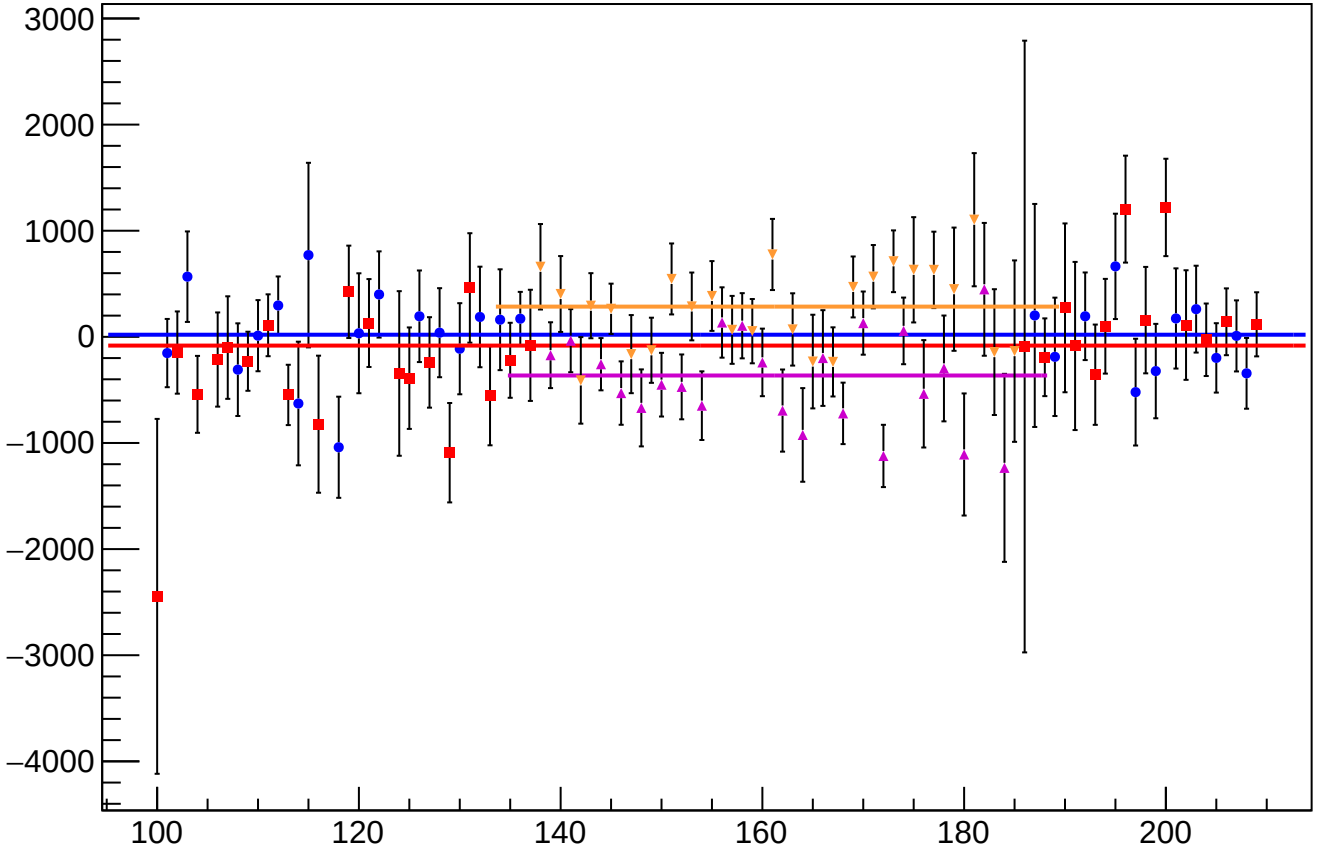
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2248.464+/-0.283 χ^2/NDF: 6955011.5/51

All: 2253.137+/-0.201 χ^2/NDF: 15107781.6/1

- sign 2257.881+/-0.286 χ^2/NDF: 8152222.0/54

dit_asym_sam4_mean vs Slug



Right In: 20.074+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -82.340+/-75.176 χ^2/NDF: 34.3/31

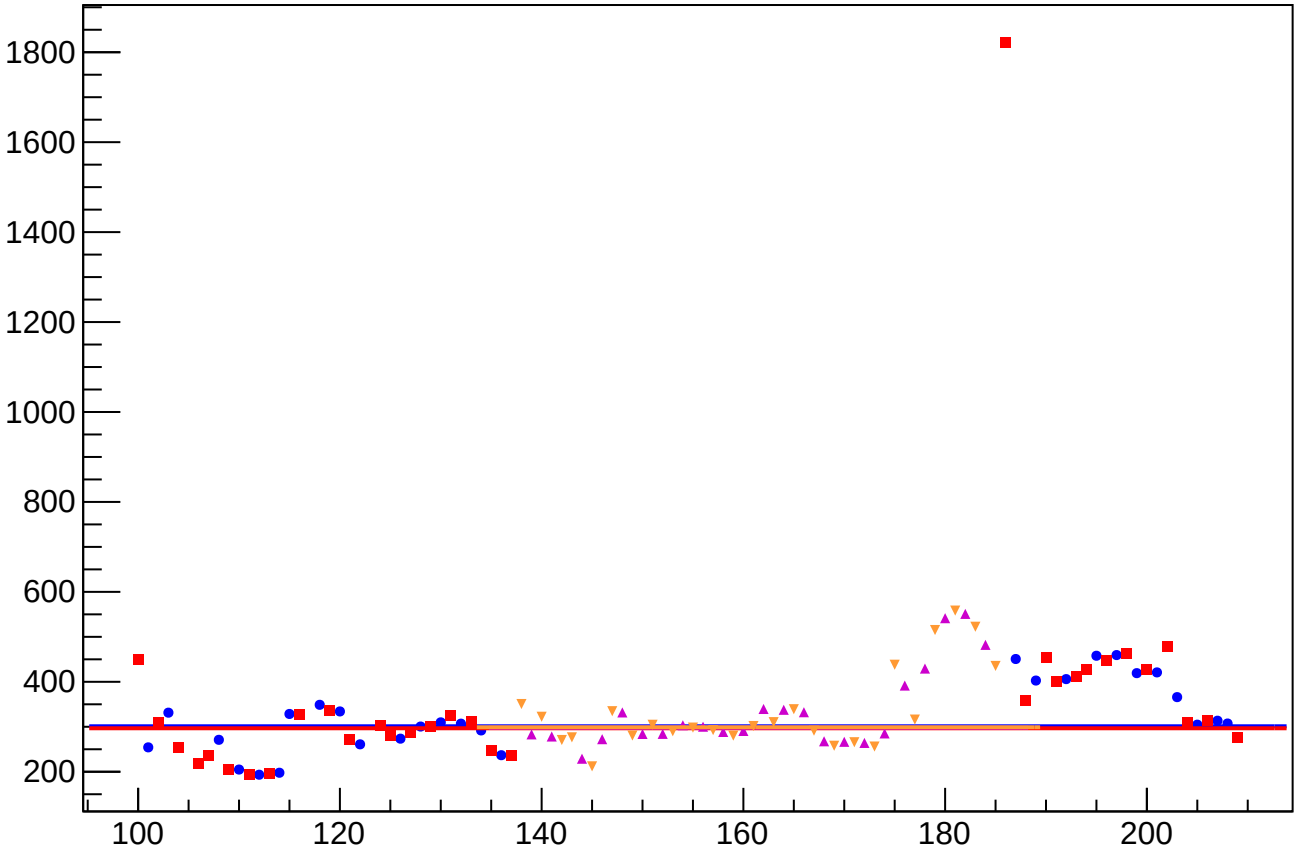
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 167.511+/-52.256 χ^2/NDF: 47.2/51

All: -32.586+/-36.820 χ^2/NDF: 146.2/106

- sign -229.890+/-51.890 χ^2/NDF: 69.9/54

dit_asym_sam4_rms vs Slug



Right In: 301.093+/-0.055 χ^2/NDF: 1745925.1/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.684+/-0.053 χ^2/NDF: 2816283.8/31

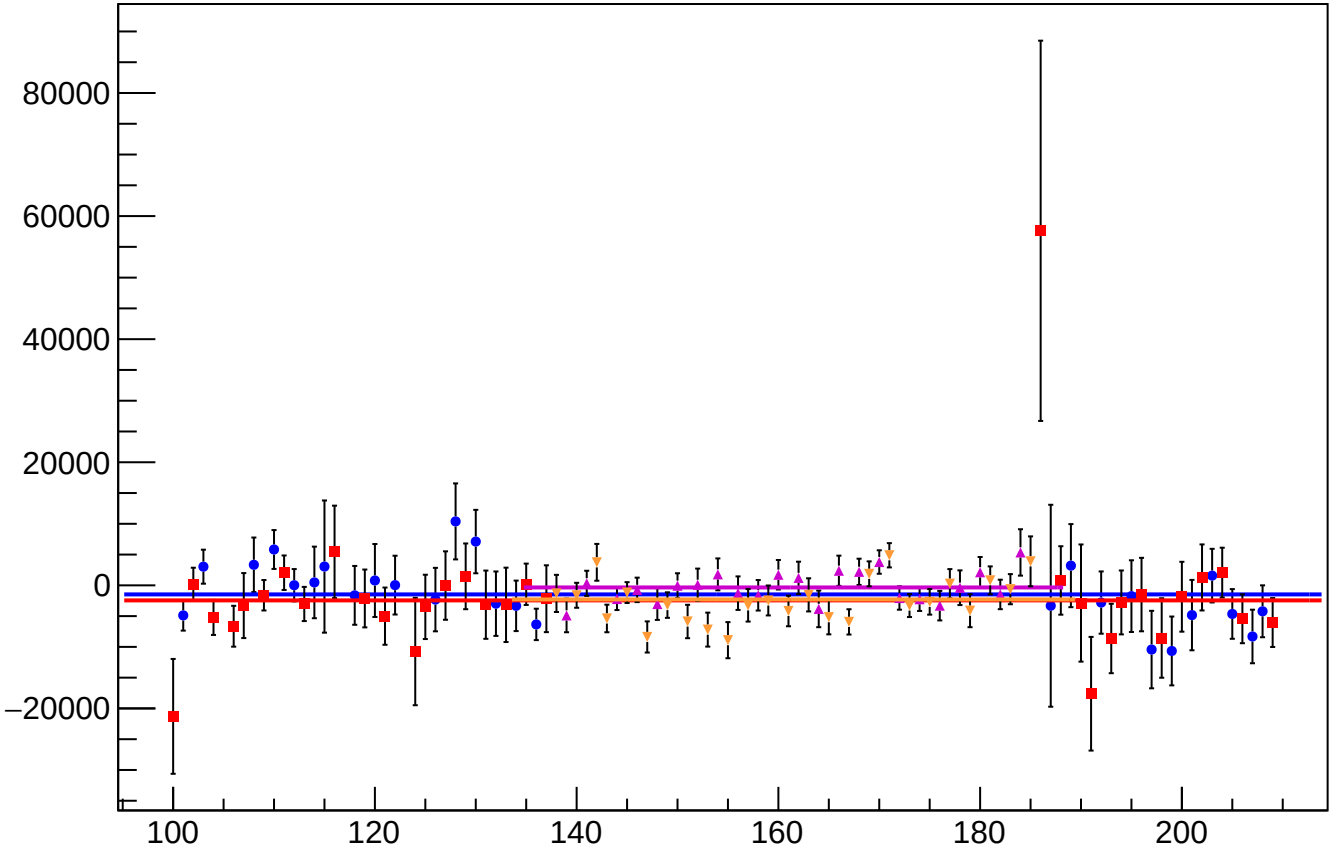
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 299.893+/-0.037 χ^2/NDF: 3359842.1/51

All: 298.594+/-0.026 χ^2/NDF: 7497910.4/106

- sign 297.313+/-0.037 χ^2/NDF: 4135613.0/54

asym_sam4_dit_correction_mean vs Slug



Right In: -1473.198+/-816.145 χ^2/NDF: 32.0/26

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2444.261+/-775.699 χ^2/NDF: 26.2/31

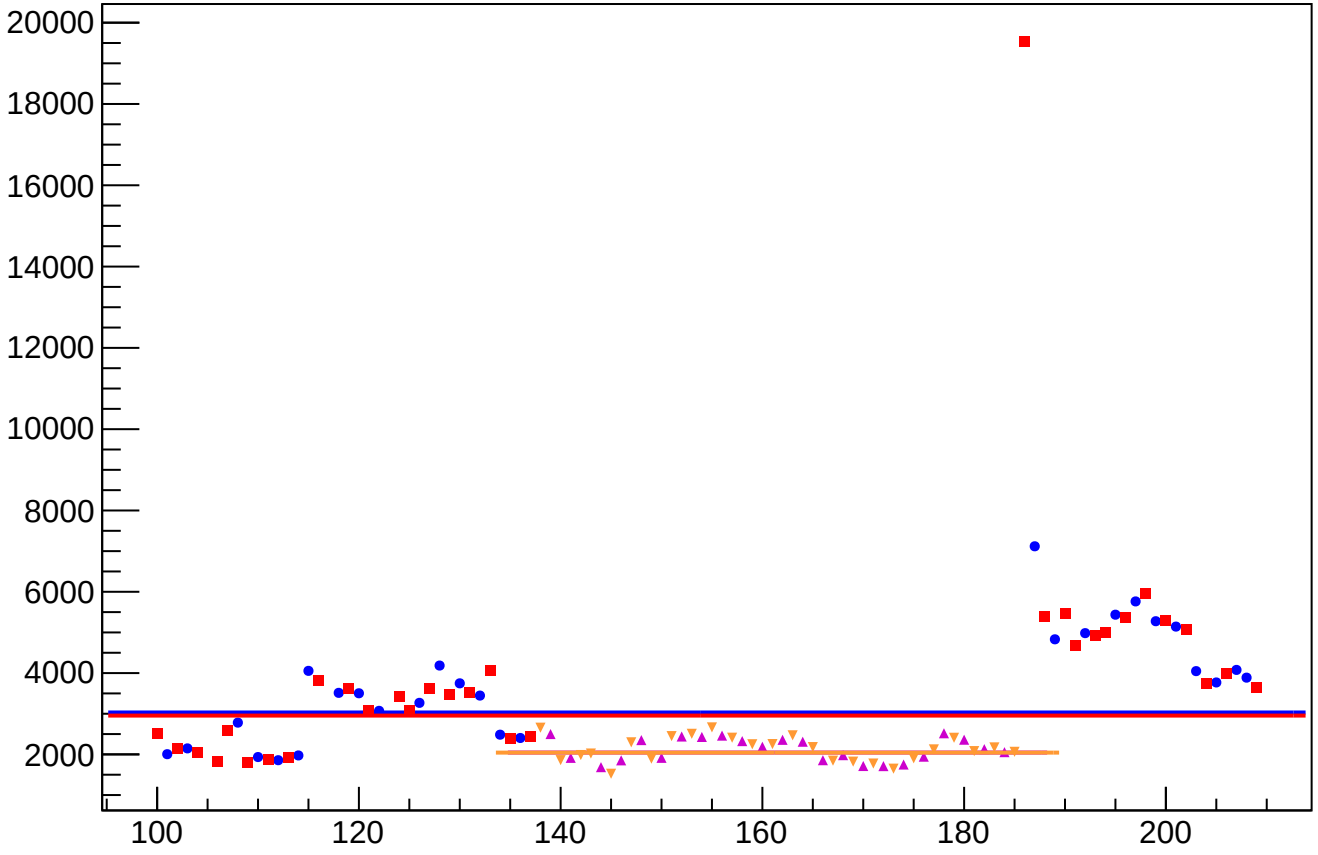
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2086.988+/-407.628 χ^2/NDF: 84.4/51

All: -1512.811+/-289.206 χ^2/NDF: 142.7/106

- sign -930.847+/-410.383 χ^2/NDF: 54.3/54

asym_sam4_dit_correction_rms vs Slug



Right In: 3030.853+/-0.577 χ^2/NDF: 3846618.3/26

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2954.615+/-0.549 χ^2/NDF: 5334570.7/31

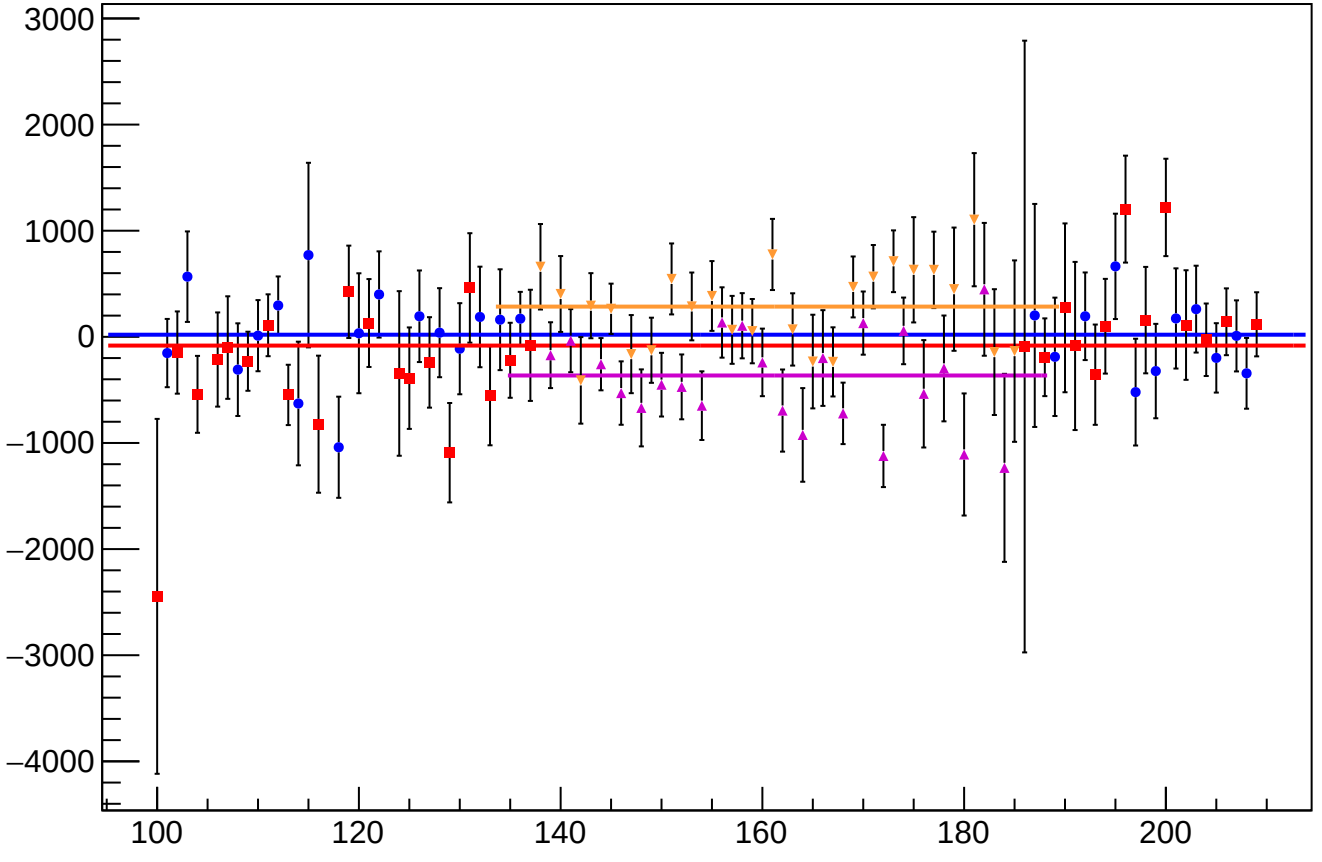
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2289.985+/-0.288 χ^2/NDF: 6895850.8/51

All: 2294.822+/-0.204 χ^2/NDF: 14900847.7/1

- sign 2299.723+/-0.290 χ^2/NDF: 8004430.0/54

eigen_dit_asym_sam4_mean vs Slug



Right In: 20.078+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -82.338+/-75.176 χ^2/NDF: 34.3/31

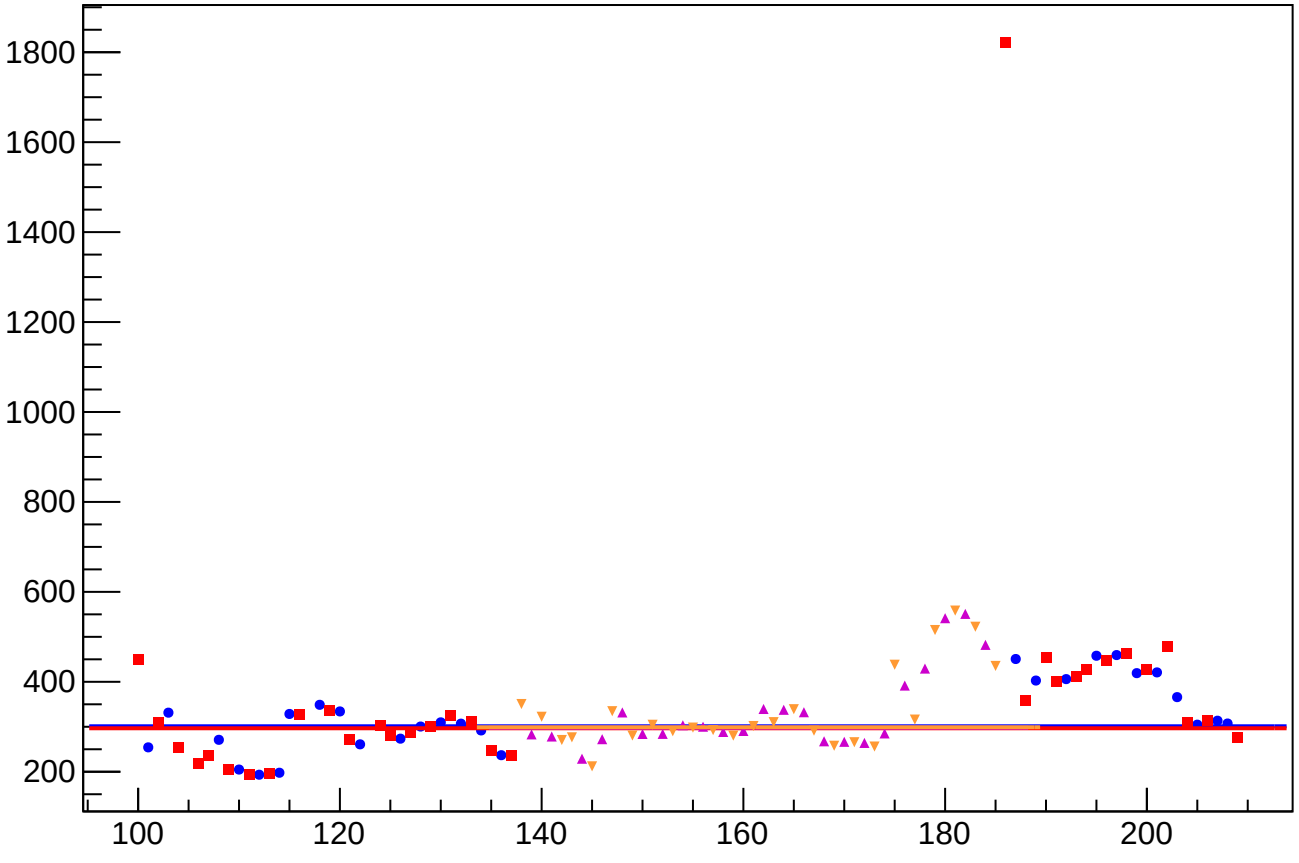
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 167.515+/-52.256 χ^2/NDF: 47.2/51

All: -32.583+/-36.820 χ^2/NDF: 146.2/106

- sign -229.889+/-51.890 χ^2/NDF: 69.9/54

eigen_dit_asym_sam4_rms vs Slug



Right In: 301.093+/-0.055 χ^2/NDF: 1745912.6/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.684+/-0.053 χ^2/NDF: 2816289.5/31

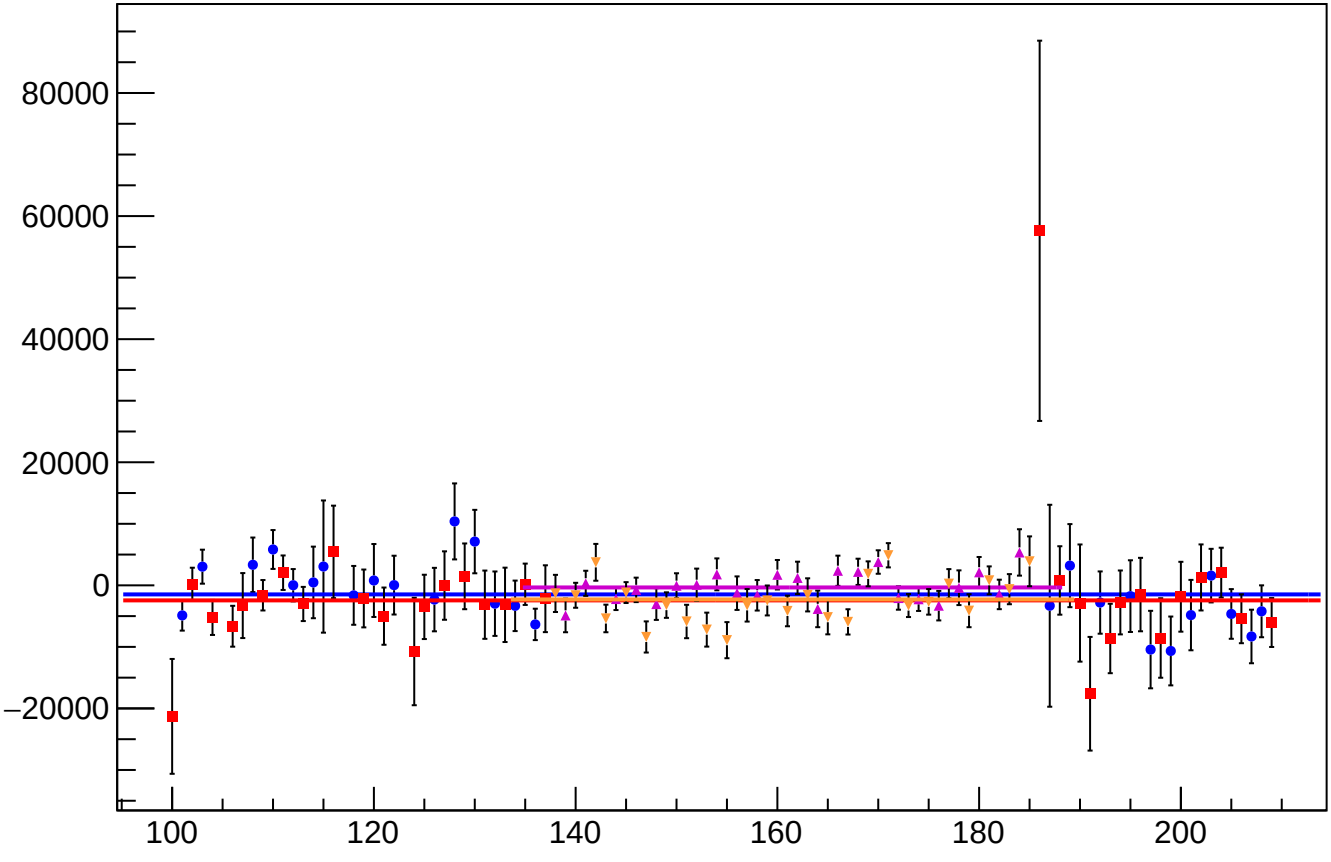
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 299.894+/-0.037 χ^2/NDF: 3359826.5/51

All: 298.594+/-0.026 χ^2/NDF: 7497882.2/106

- sign 297.313+/-0.037 χ^2/NDF: 4135600.5/54

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1473.195+/-816.144 χ^2/NDF: 32.0/26

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2444.258+/-775.698 χ^2/NDF: 26.2/31

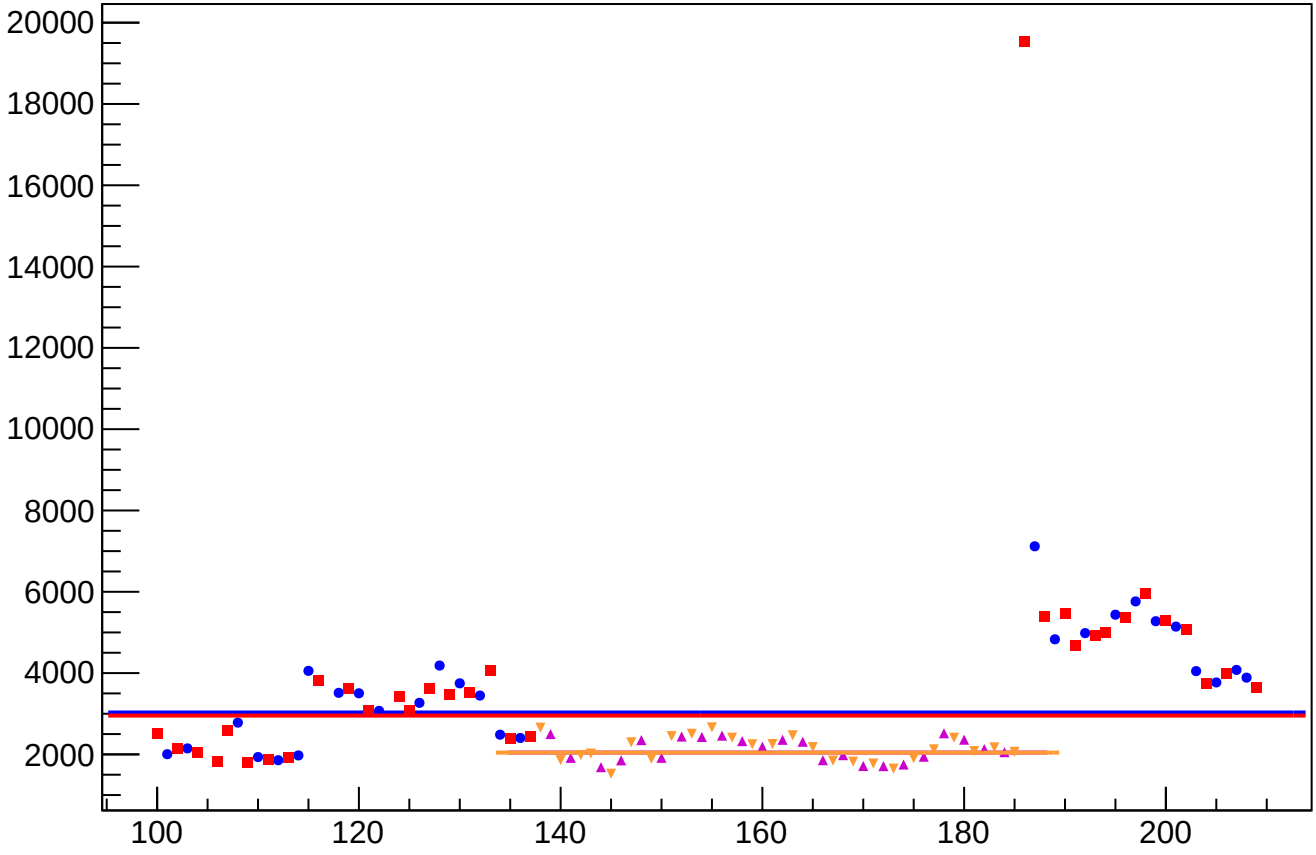
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2086.984+/-407.627 χ^2/NDF: 84.4/51

All: -1512.807+/-289.205 χ^2/NDF: 142.7/106

- sign -930.844+/-410.382 χ^2/NDF: 54.3/54

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3030.851+/-0.577 χ^2/NDF: 3846617.0/26

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2954.613+/-0.549 χ^2/NDF: 5334567.2/31

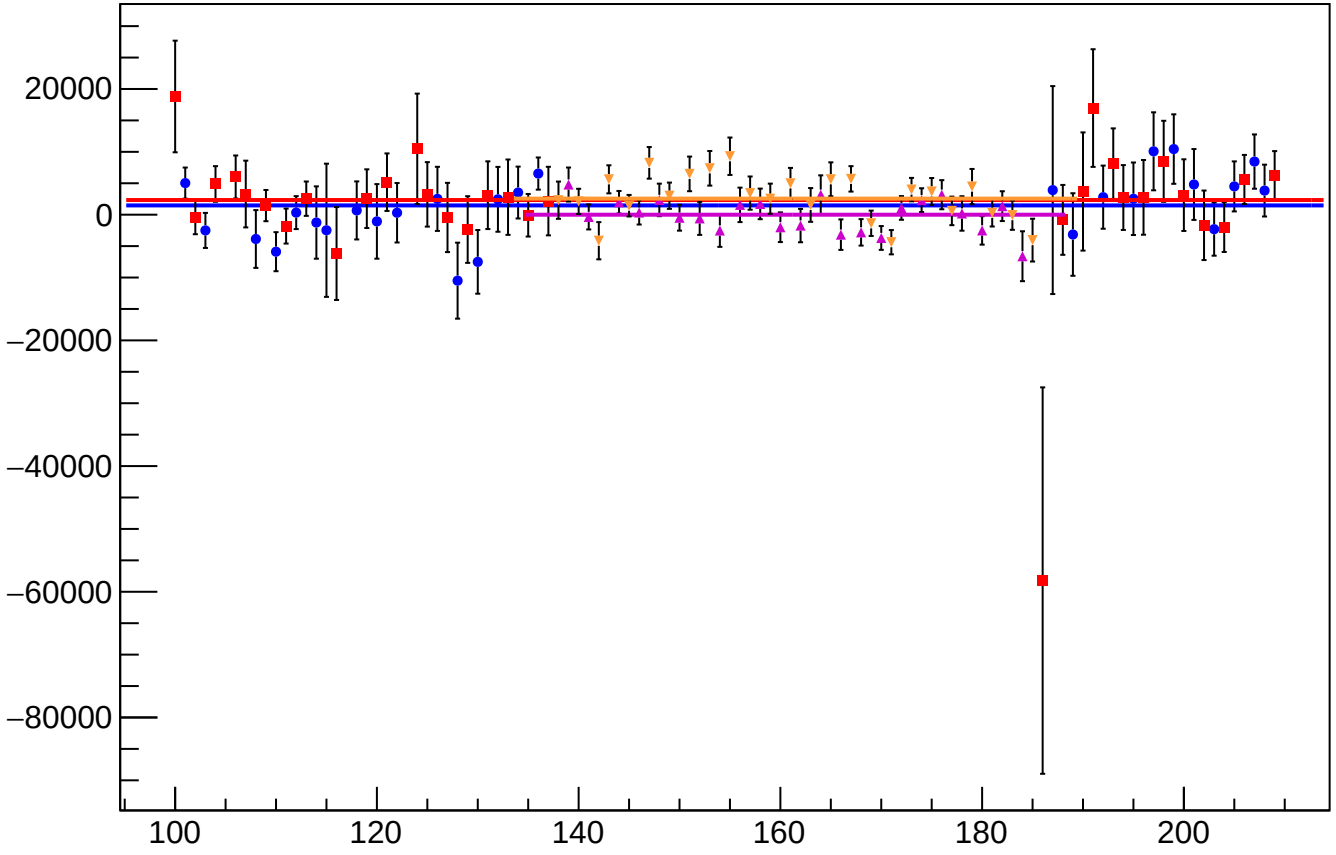
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2289.982+/-0.288 χ^2/NDF: 6895860.4/51

All: 2294.819+/-0.204 χ^2/NDF: 14900859.3/1

- sign 2299.721+/-0.290 χ^2/NDF: 8004432.0/54

asym_sam4_mean vs Slug



Right In: 1474.687+/-811.096 χ^2/NDF: 33.1/26

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2331.688+/-773.546 χ^2/NDF: 25.1/31

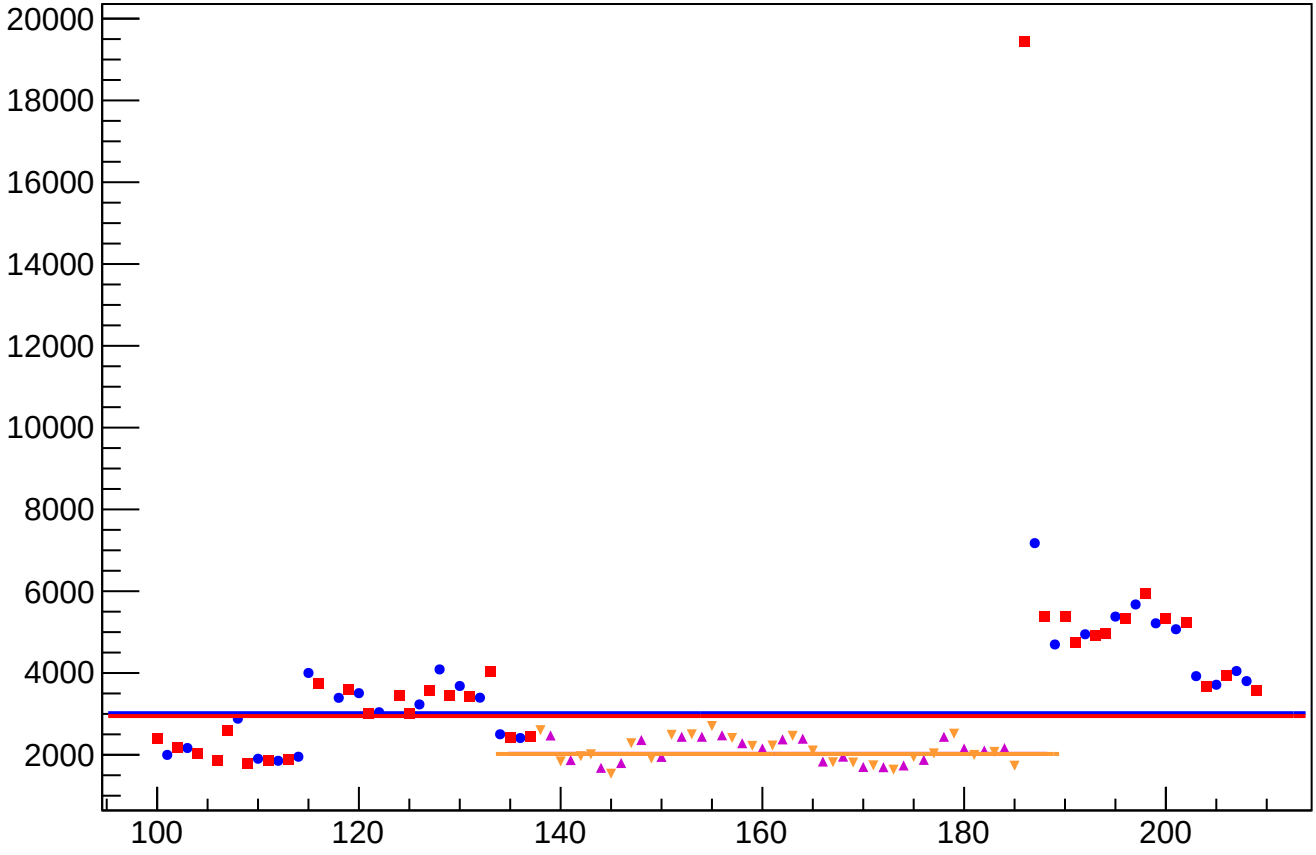
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2289.992+/-404.024 χ^2/NDF: 87.1/51

All: 1472.330+/-286.715 χ^2/NDF: 151.7/106

- sign 642.800+/-406.946 χ^2/NDF: 56.3/54

asym_sam4_rms vs Slug



Right In: 3017.438+/-0.574 χ^2/NDF: 3723823.1/26

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2947.387+/-0.547 χ^2/NDF: 5294060.3/31

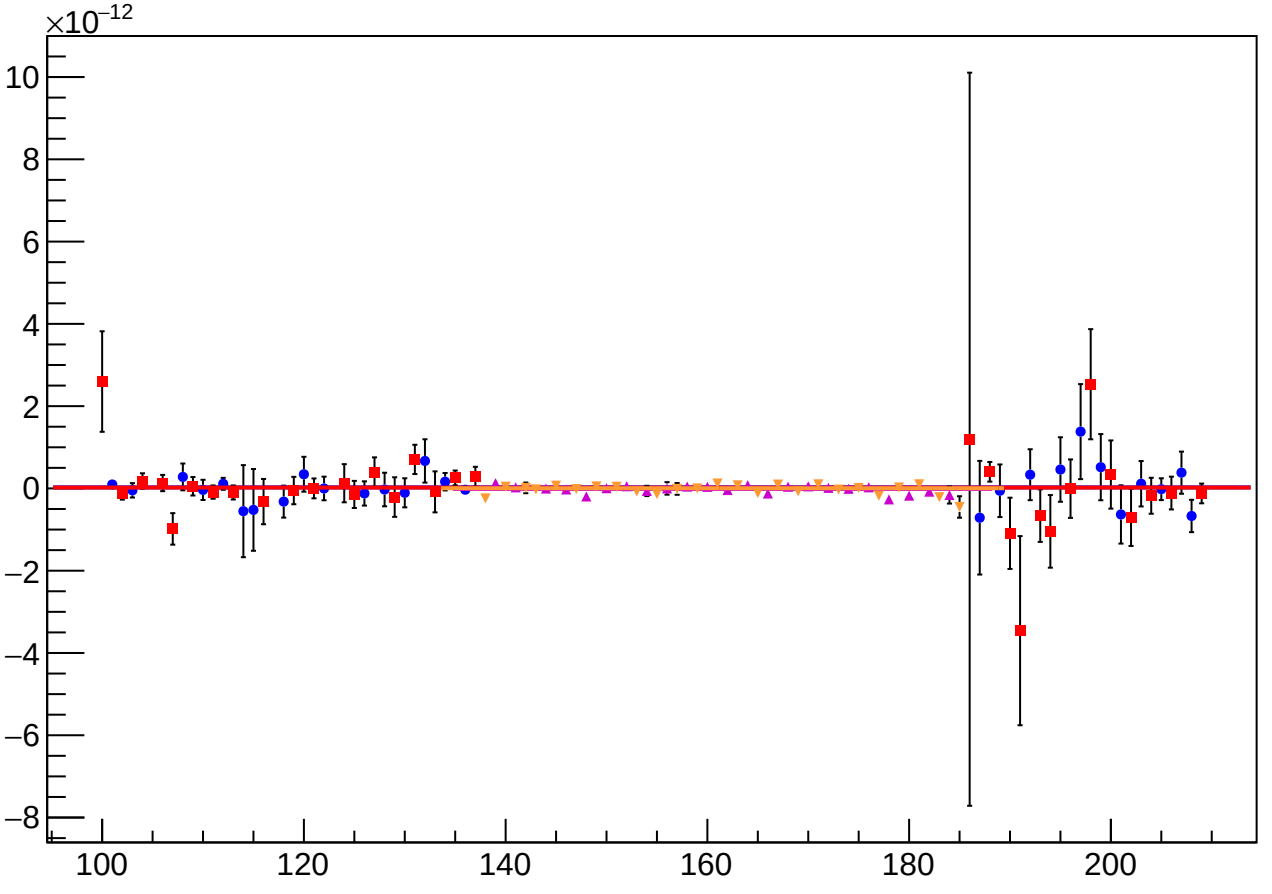
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2268.440+/-0.286 χ^2/NDF: 6873490.7/51

All: 2273.700+/-0.203 χ^2/NDF: 14928632.8/1

- sign 2279.036+/-0.288 χ^2/NDF: 8054459.3/54

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

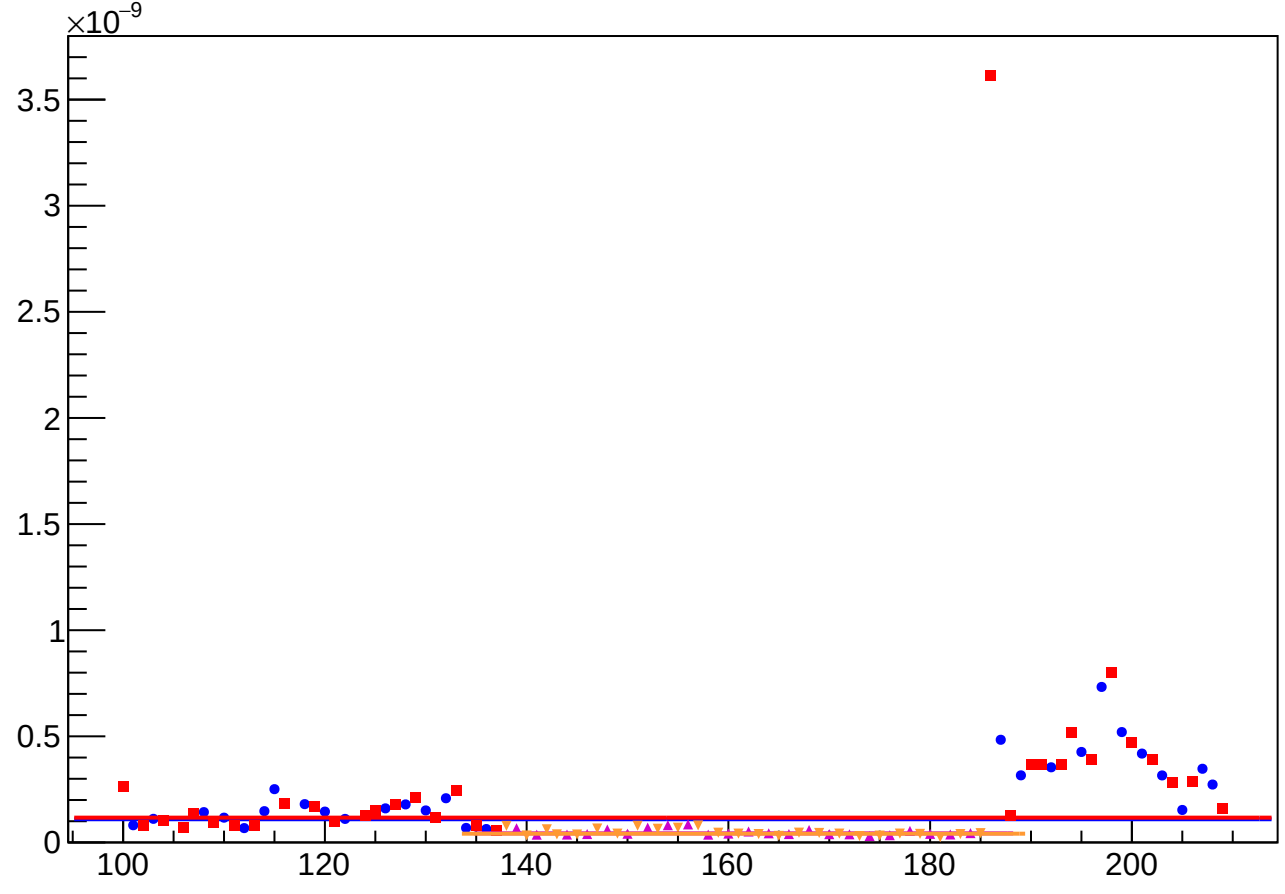
Right Out: 0.000+/-0.000 χ^2/NDF: 37.7/31

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/51

All: -0.000+/-0.000 χ^2/NDF: 104.9/106

- sign -0.000+/-0.000 χ^2/NDF: 58.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 4780083.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4541549.3/31

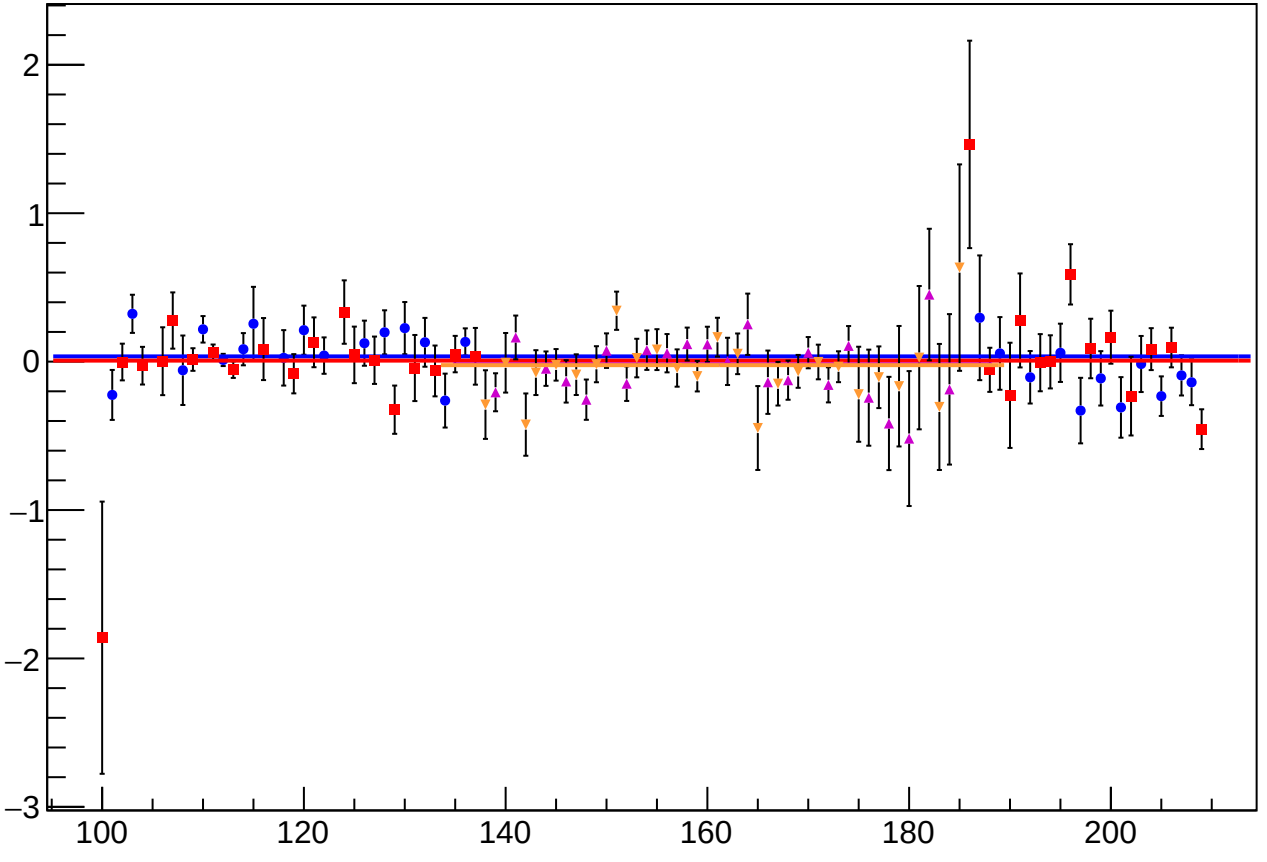
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9391707.6/51

All: 0.000+/-0.000 χ^2/NDF: 18623550.5/106

- sign 0.000+/-0.000 χ^2/NDF: 9202949.1/54

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.007+/-0.024 χ^2/NDF: 44.7/31

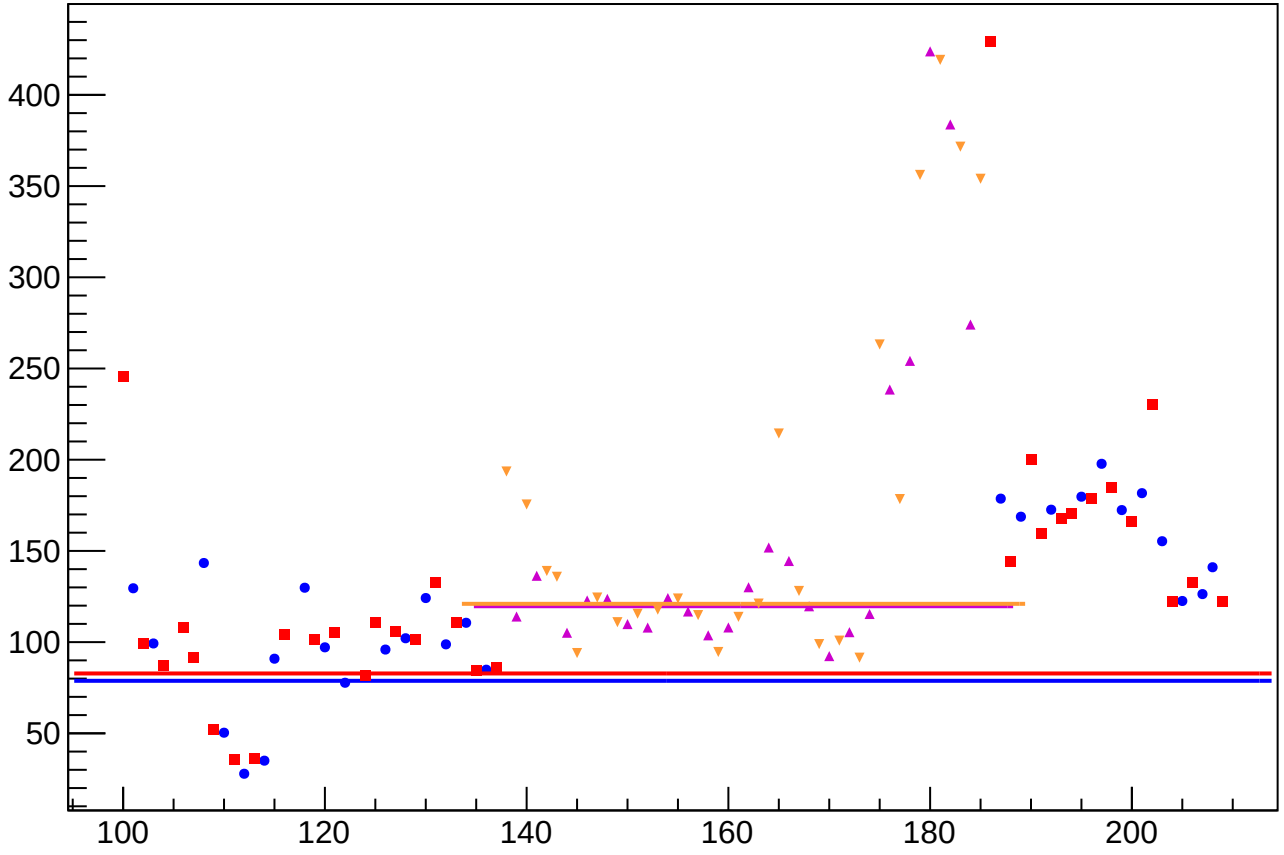
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.004+/-0.013 χ^2/NDF: 127.6/106

- sign -0.003+/-0.019 χ^2/NDF: 68.1/54

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 82.823+/-0.017 χ^2/NDF: 8349149.3/31

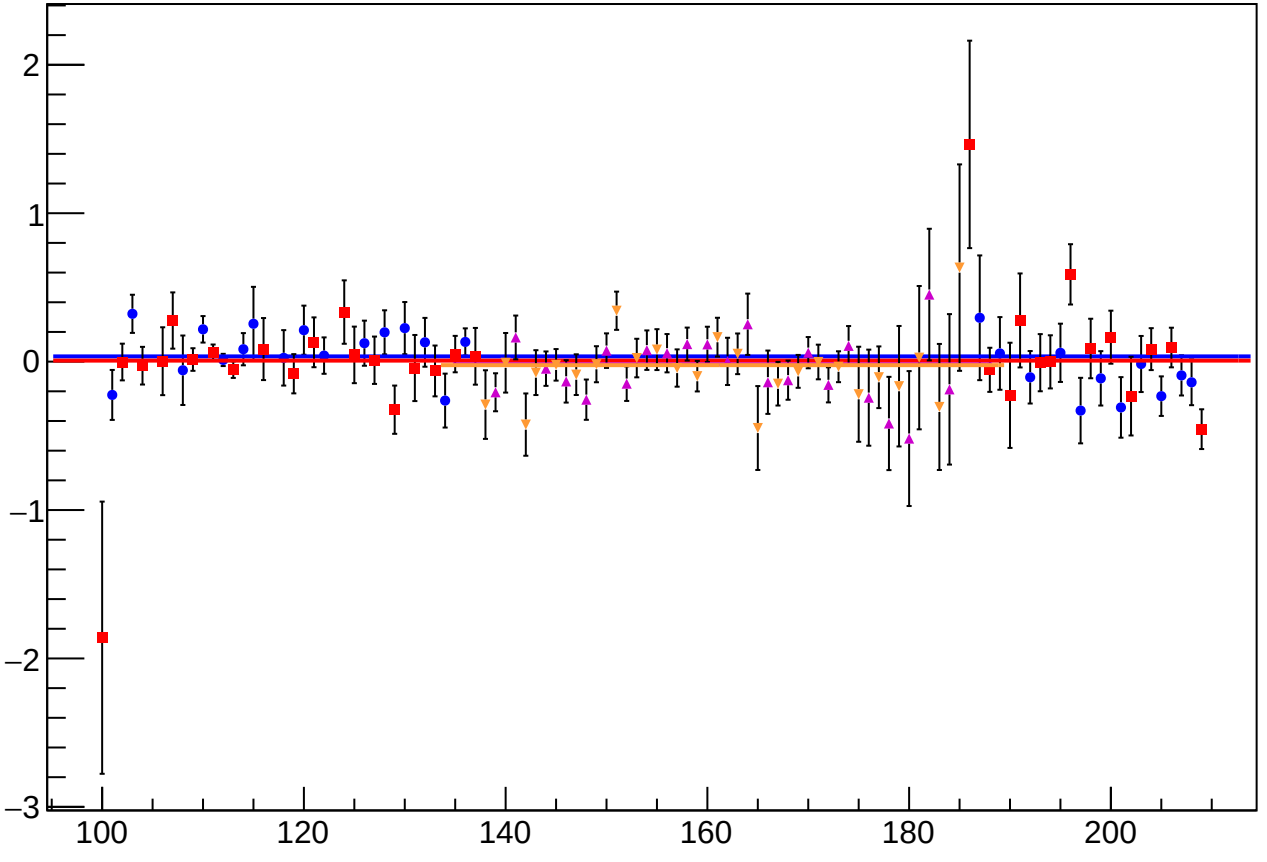
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 95.505+/-0.013 χ^2/NDF: 15169573.3/51

All: 96.213+/-0.009 χ^2/NDF: 28199727.1/106

- sign 96.910+/-0.013 χ^2/NDF: 13024539.6/54

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.007+/-0.024 χ^2/NDF: 44.7/31

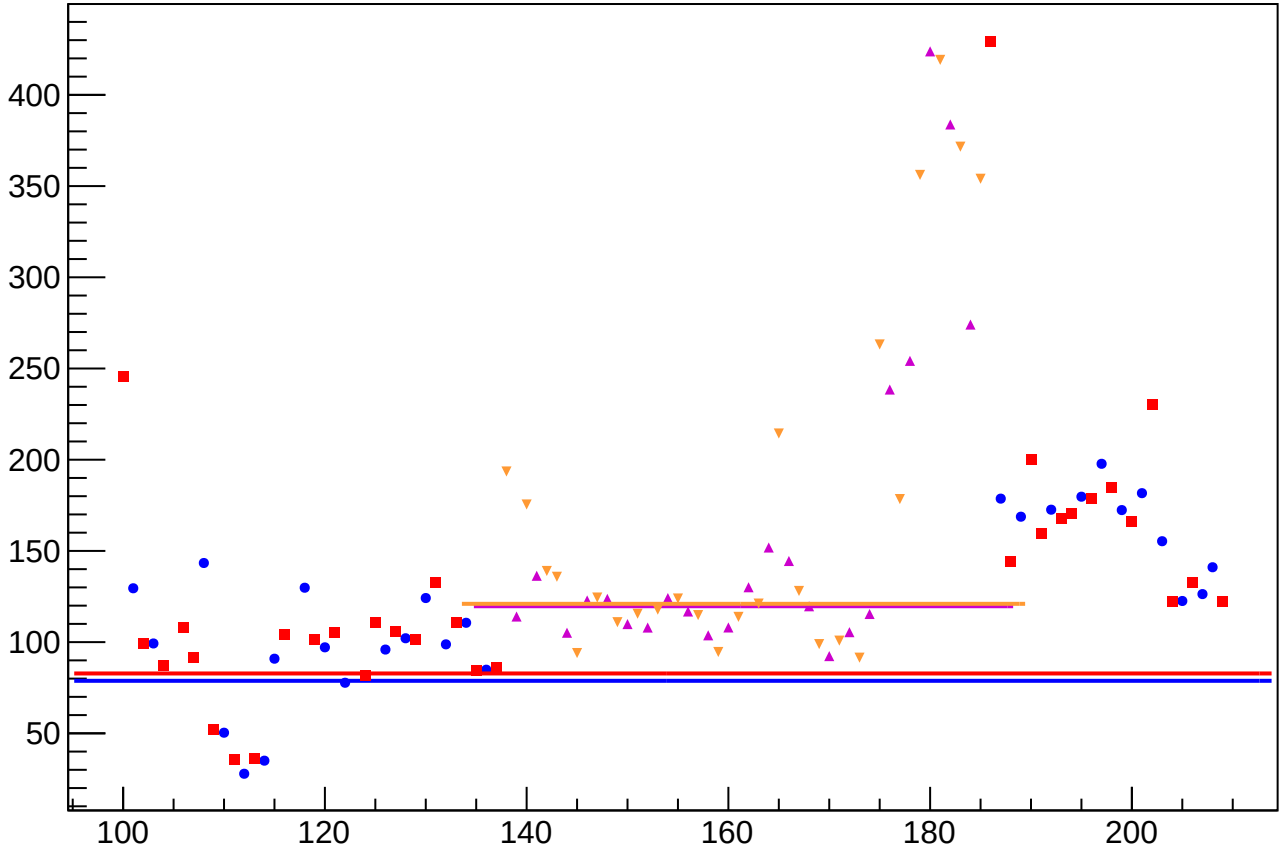
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.004+/-0.013 χ^2/NDF: 127.6/106

- sign -0.003+/-0.019 χ^2/NDF: 68.1/54

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

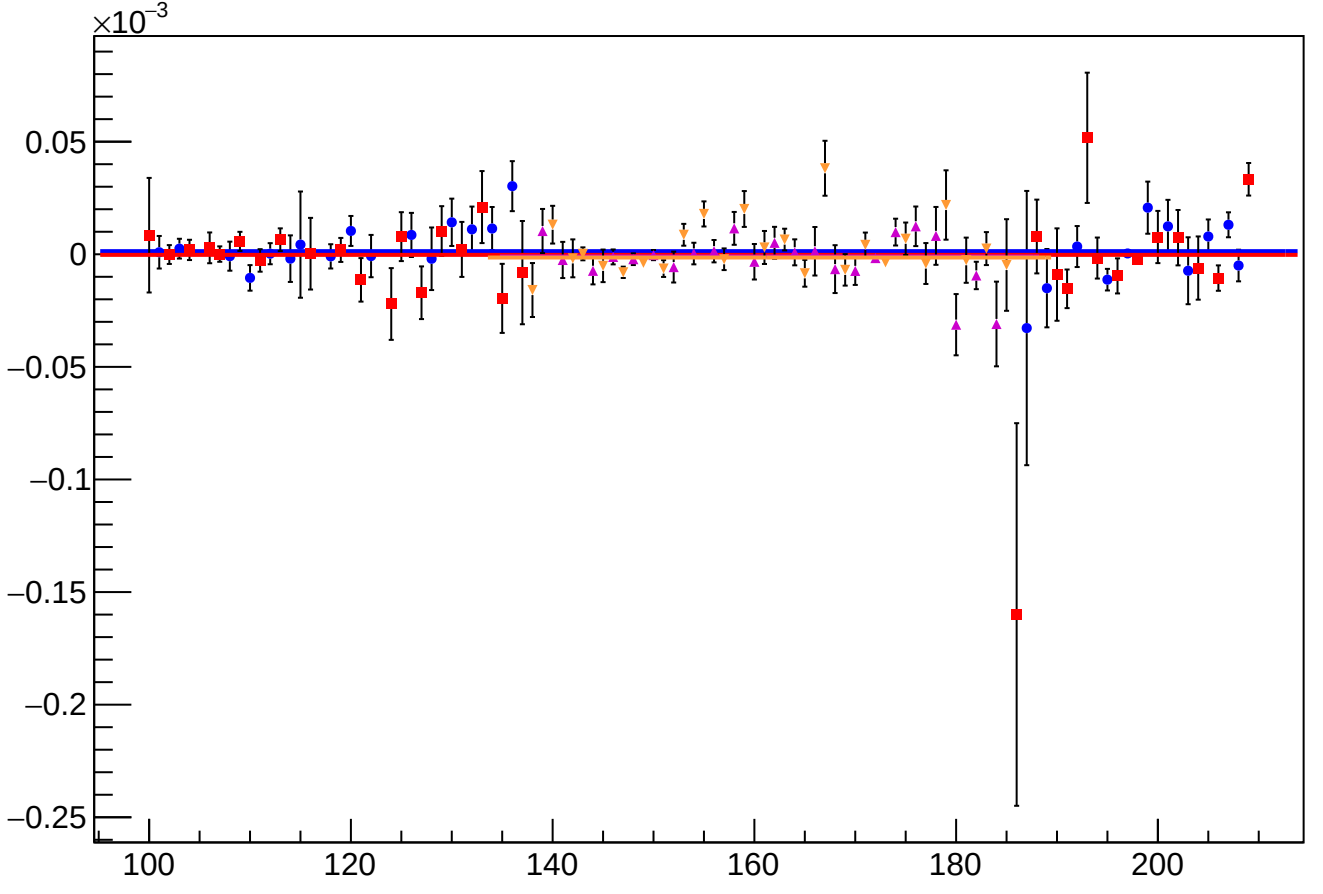
Right Out: 82.823+/-0.017 χ^2/NDF: 8349149.3/31

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 95.505+/-0.013 χ^2/NDF: 15169573.3/51

All: 96.213+/-0.009 χ^2/NDF: 28199727.1/106

- sign 96.910+/-0.013 χ^2/NDF: 13024539.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 54.1/31

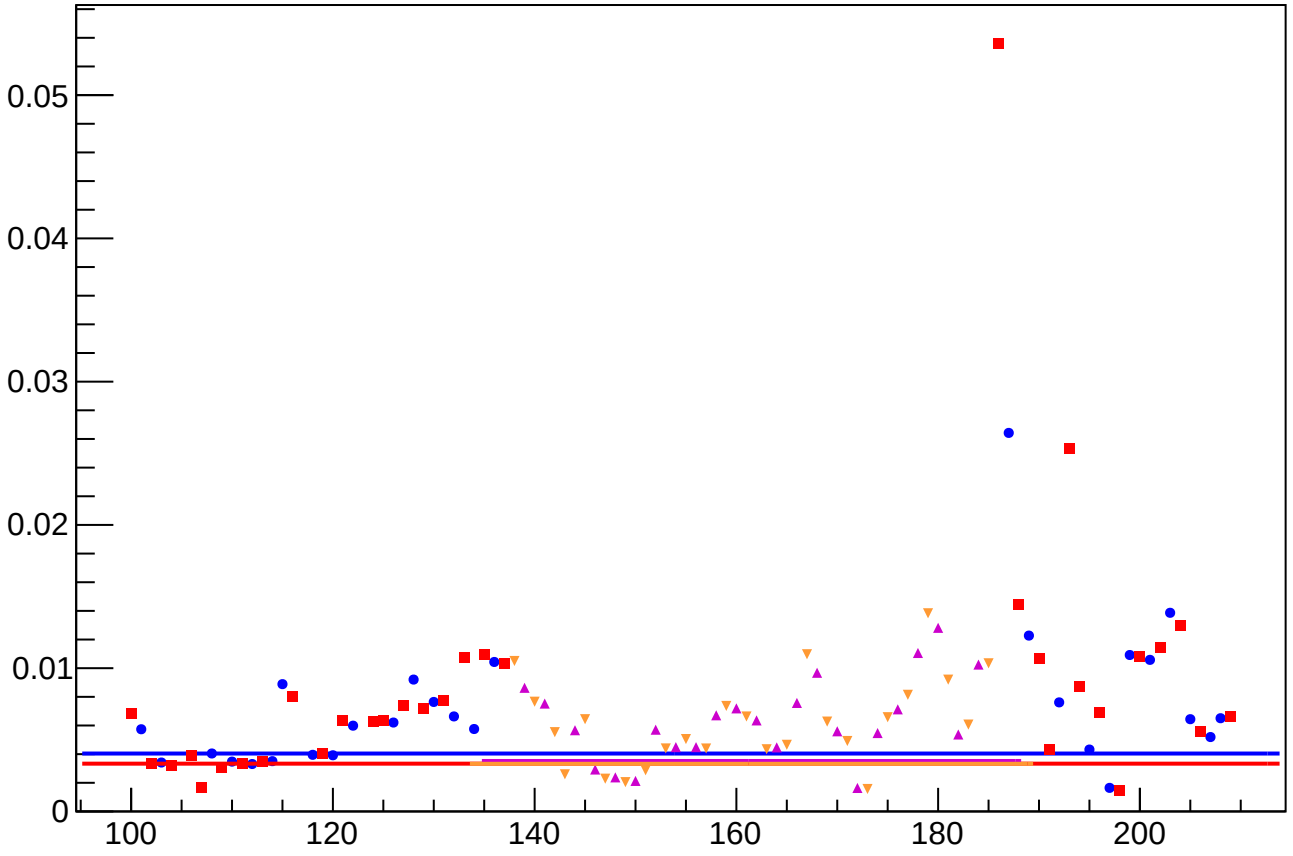
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 100.0/51

All: -0.000+/-0.000 χ^2/NDF: 178.9/106

- sign -0.000+/-0.000 χ^2/NDF: 78.8/54

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 8060907.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13101753.0/31

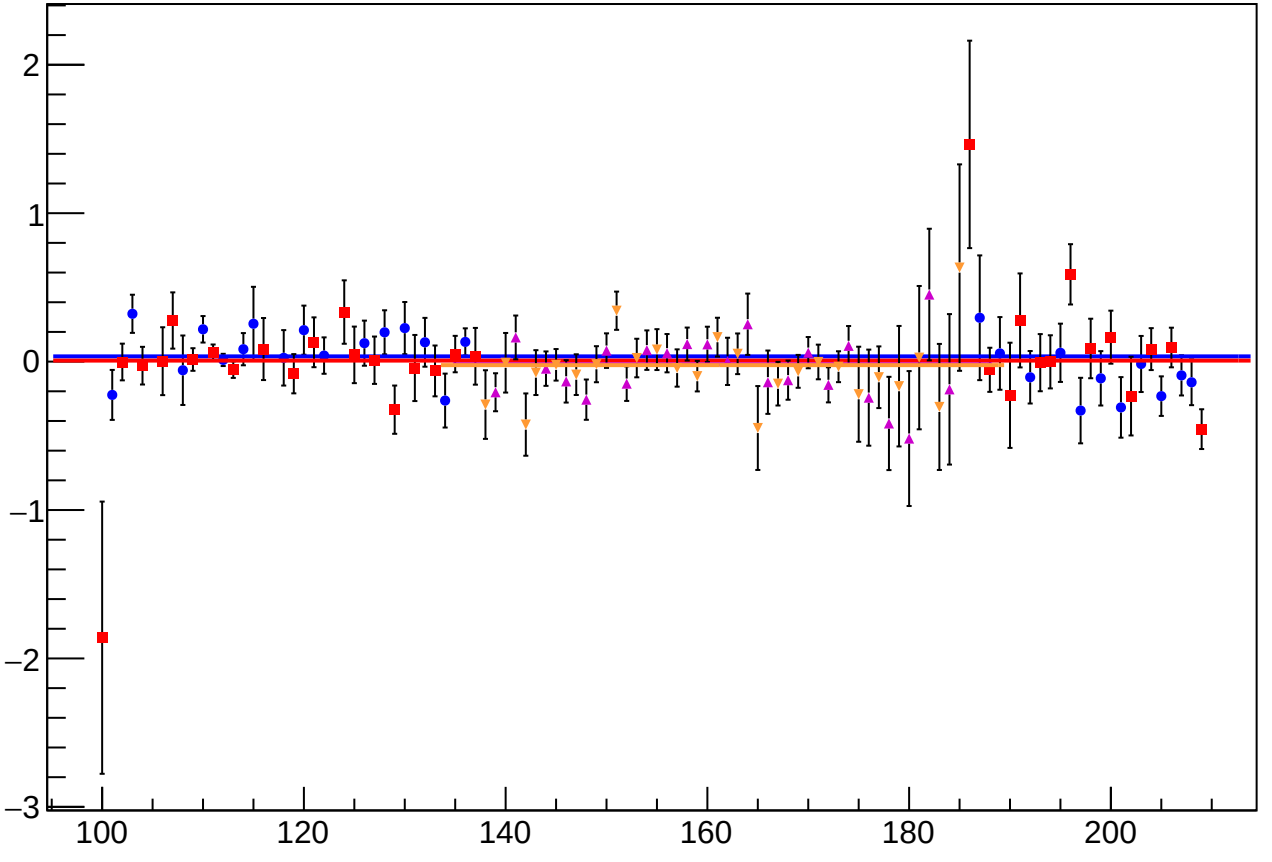
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 18989390.7/51

All: 0.004+/-0.000 χ^2/NDF: 41591042.0/106

- sign 0.003+/-0.000 χ^2/NDF: 22561967.5/54

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.007+/-0.024 χ^2/NDF: 44.7/31

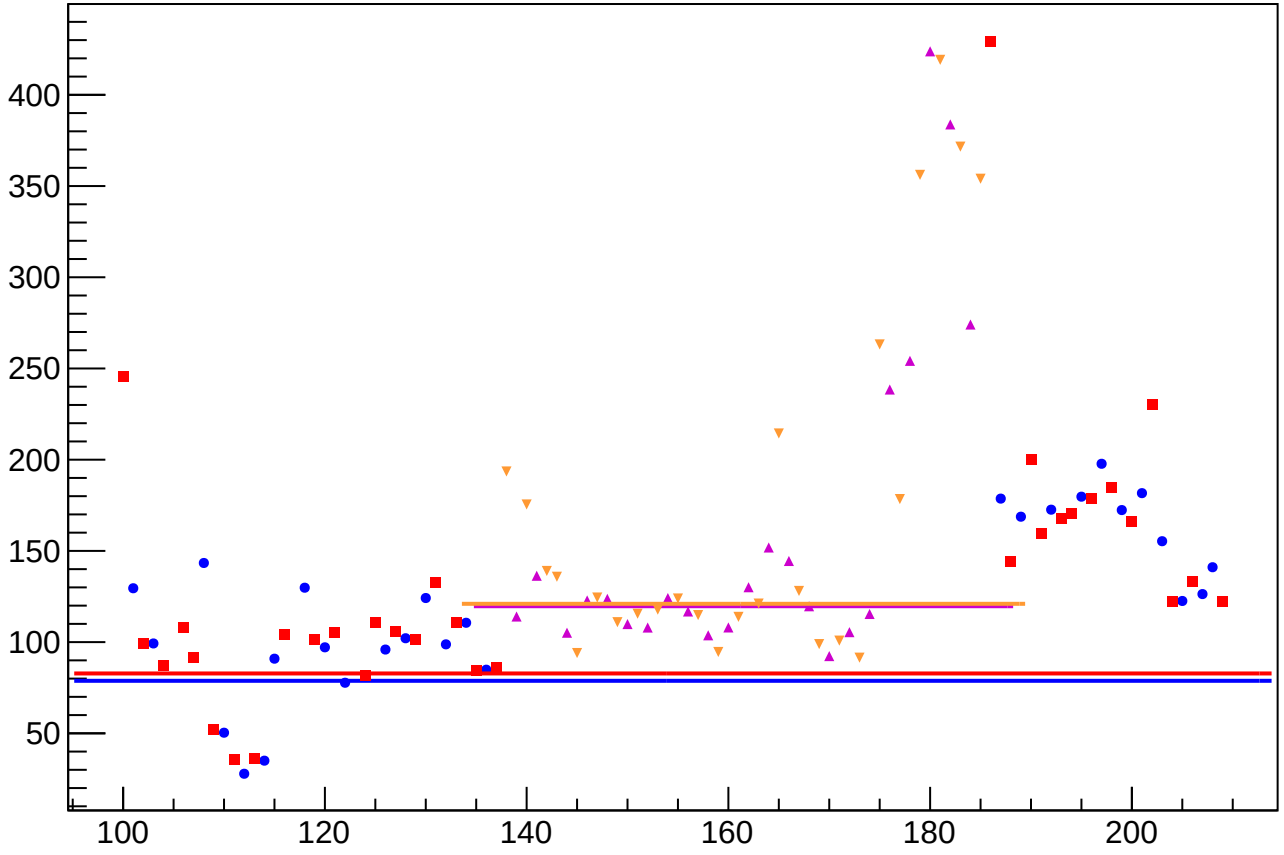
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.004+/-0.013 χ^2/NDF: 127.6/106

- sign -0.003+/-0.019 χ^2/NDF: 68.1/54

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

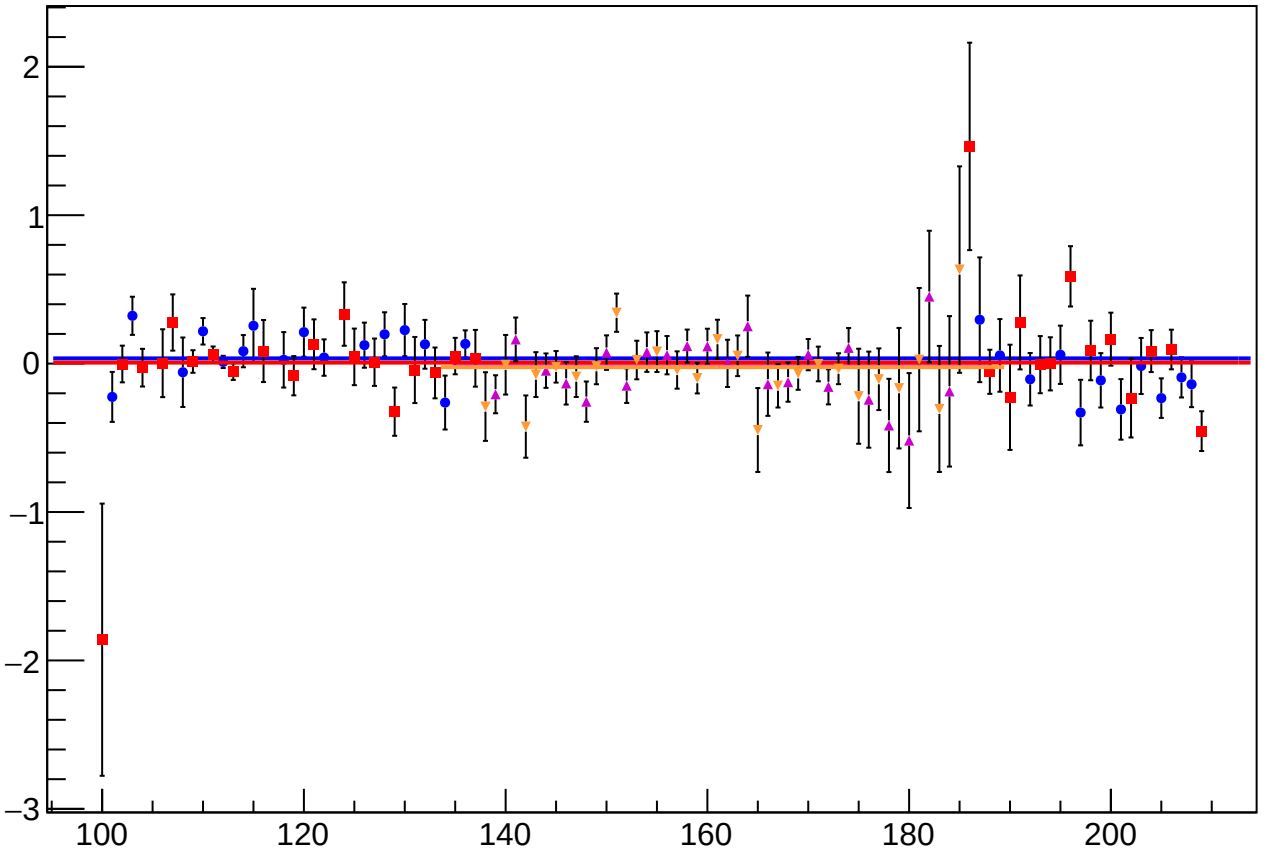
Right Out: 82.821+/-0.017 χ^2/NDF: 8349658.1/31

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 95.504+/-0.013 χ^2/NDF: 15170368.4/51

All: 96.211+/-0.009 χ^2/NDF: 28201257.5/106

- sign 96.909+/-0.013 χ^2/NDF: 13025272.1/54



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

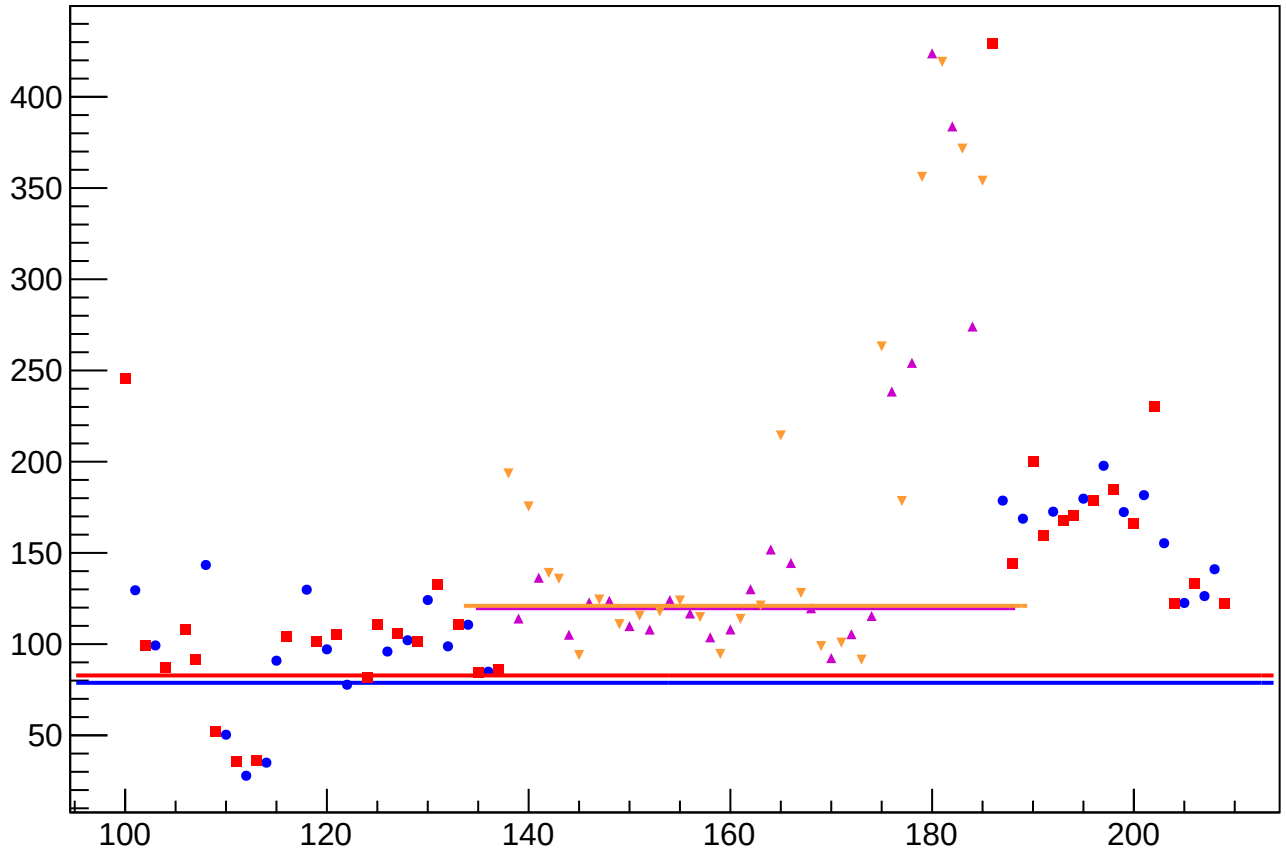
Right Out: 0.007+/-0.024 χ^2/NDF: 44.7/31

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.012+/-0.019 χ^2/NDF: 59.1/51

All: 0.004+/-0.013 χ^2/NDF: 127.6/106

- sign -0.003+/-0.019 χ^2/NDF: 68.1/54



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 82.821+/-0.017 χ^2/NDF: 8349658.1/31

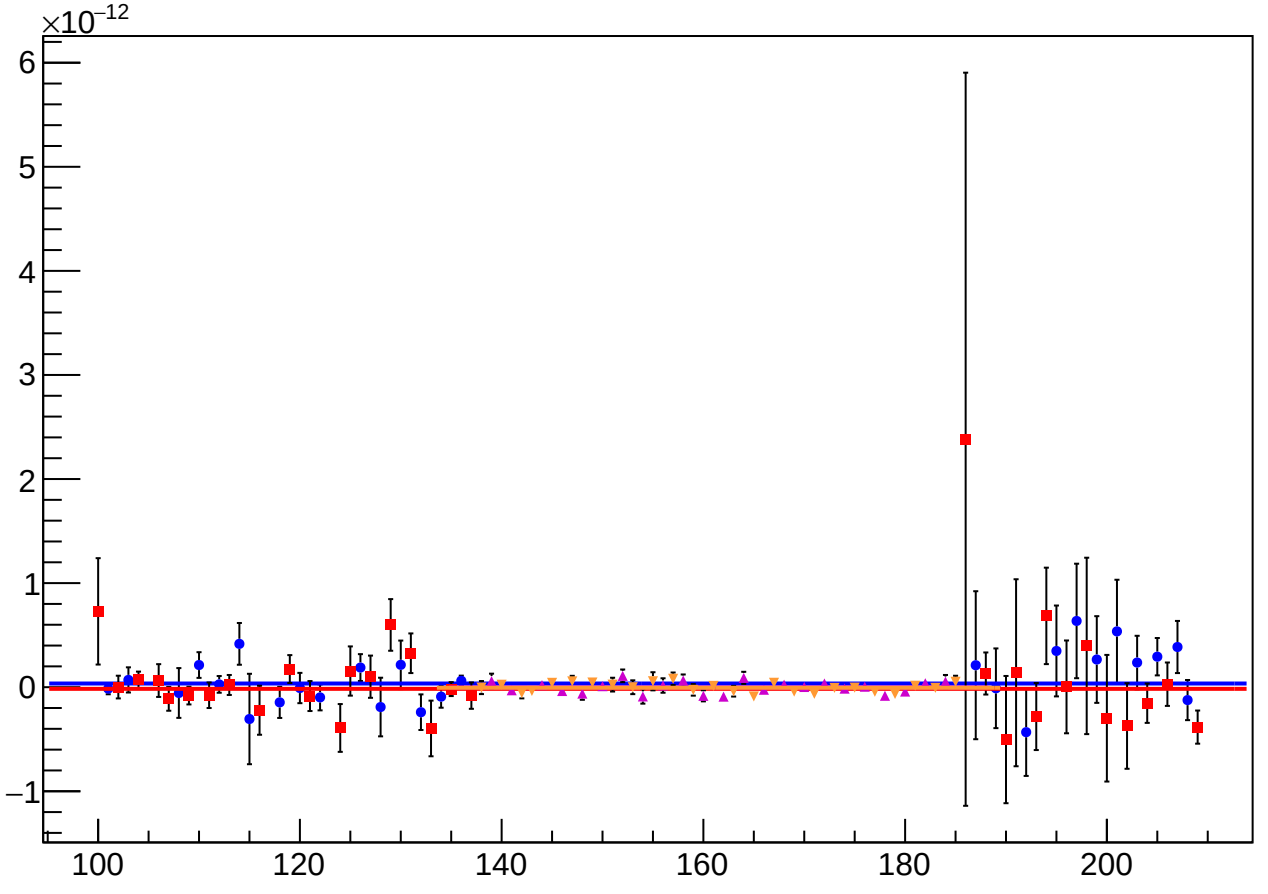
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 95.504+/-0.013 χ^2/NDF: 15170368.4/51

All: 96.211+/-0.009 χ^2/NDF: 28201257.5/106

- sign 96.909+/-0.013 χ^2/NDF: 13025272.1/54

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/31

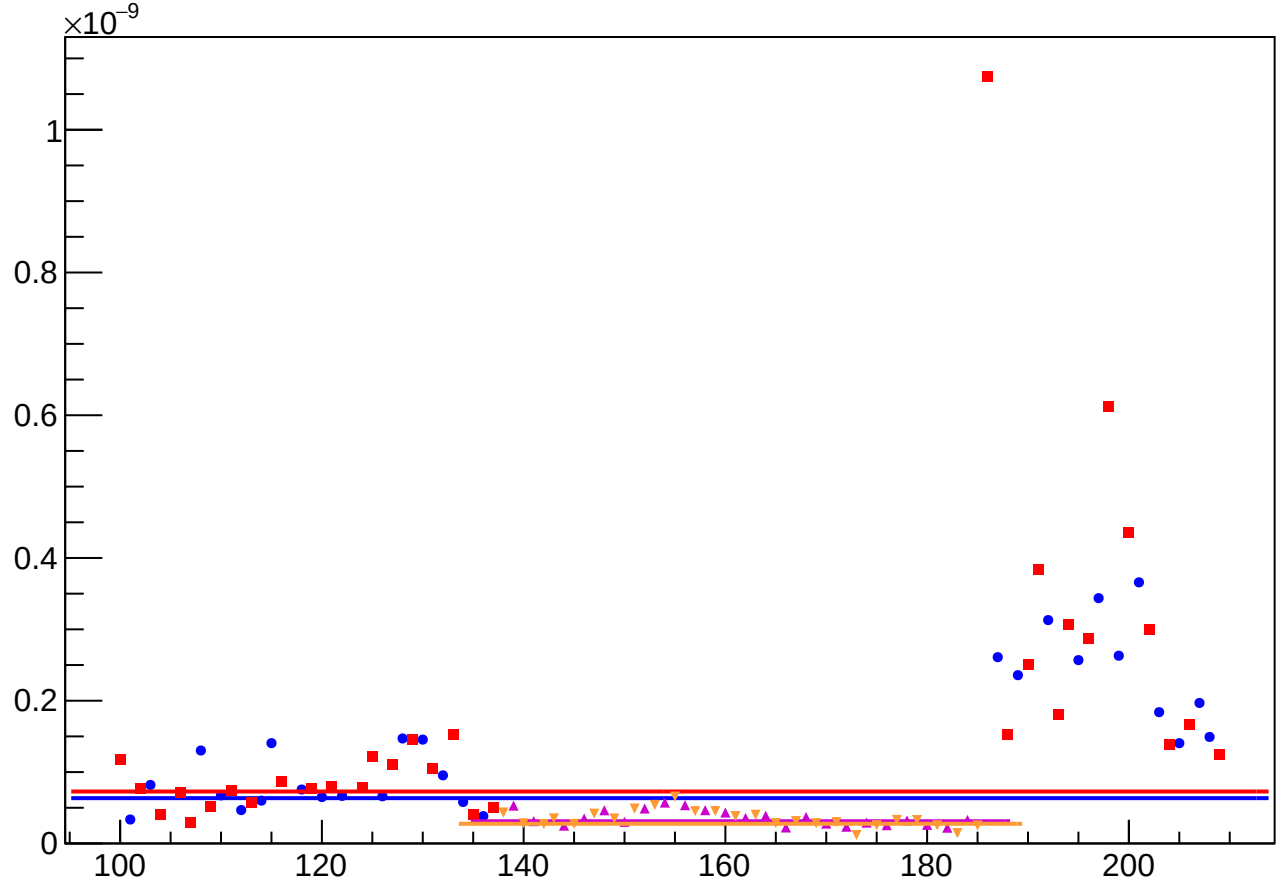
Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.3/51

All: -0.000+/-0.000 χ^2/NDF: 114.3/106

- sign -0.000+/-0.000 χ^2/NDF: 63.0/54

asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7144031.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6998354.3/31

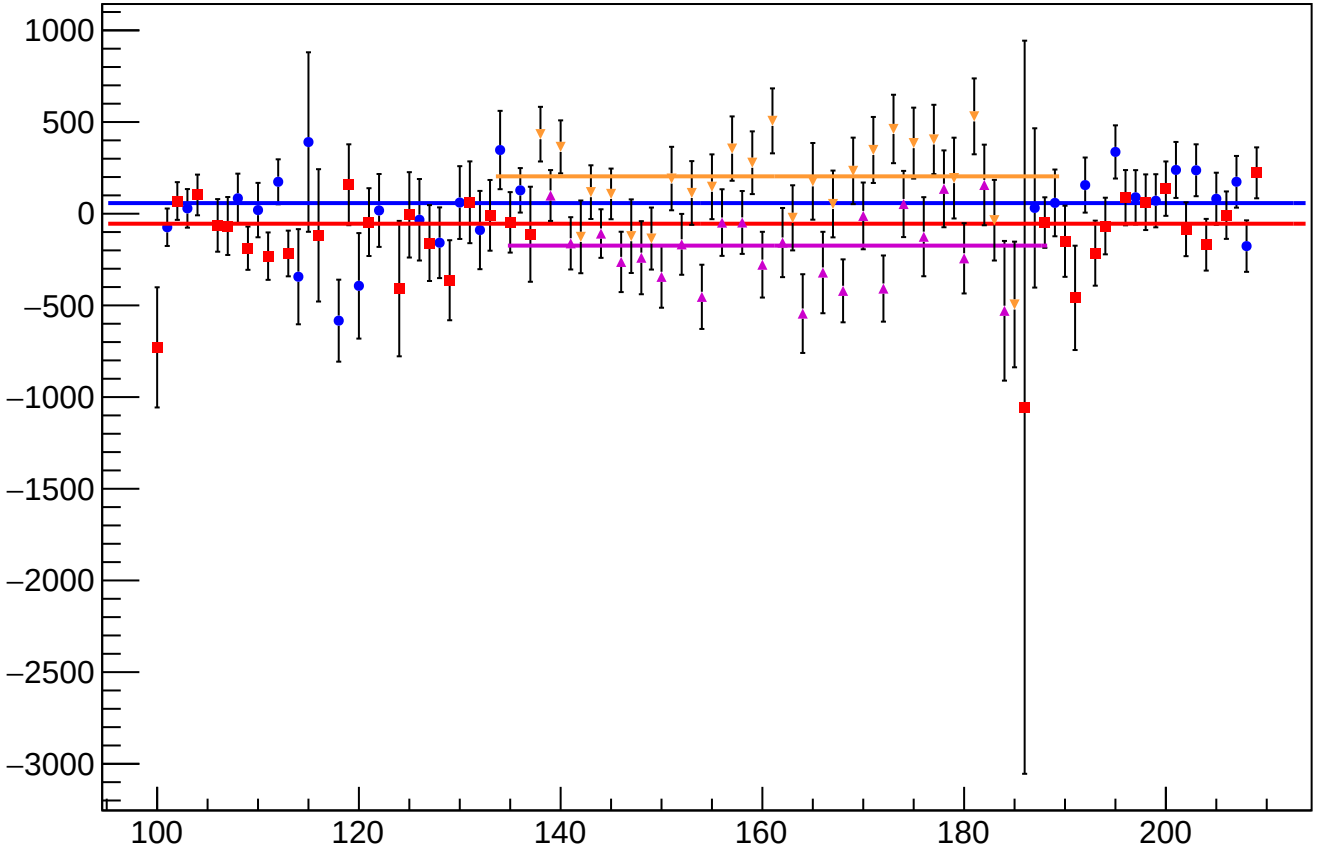
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14527965.0/51

All: 0.000+/-0.000 χ^2/NDF: 27971469.7/106

- sign 0.000+/-0.000 χ^2/NDF: 13169704.3/54

reg_asym_sam5_mean vs Slug



Right In: 57.891+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -54.546+/-28.832 χ^2/NDF: 28.4/31

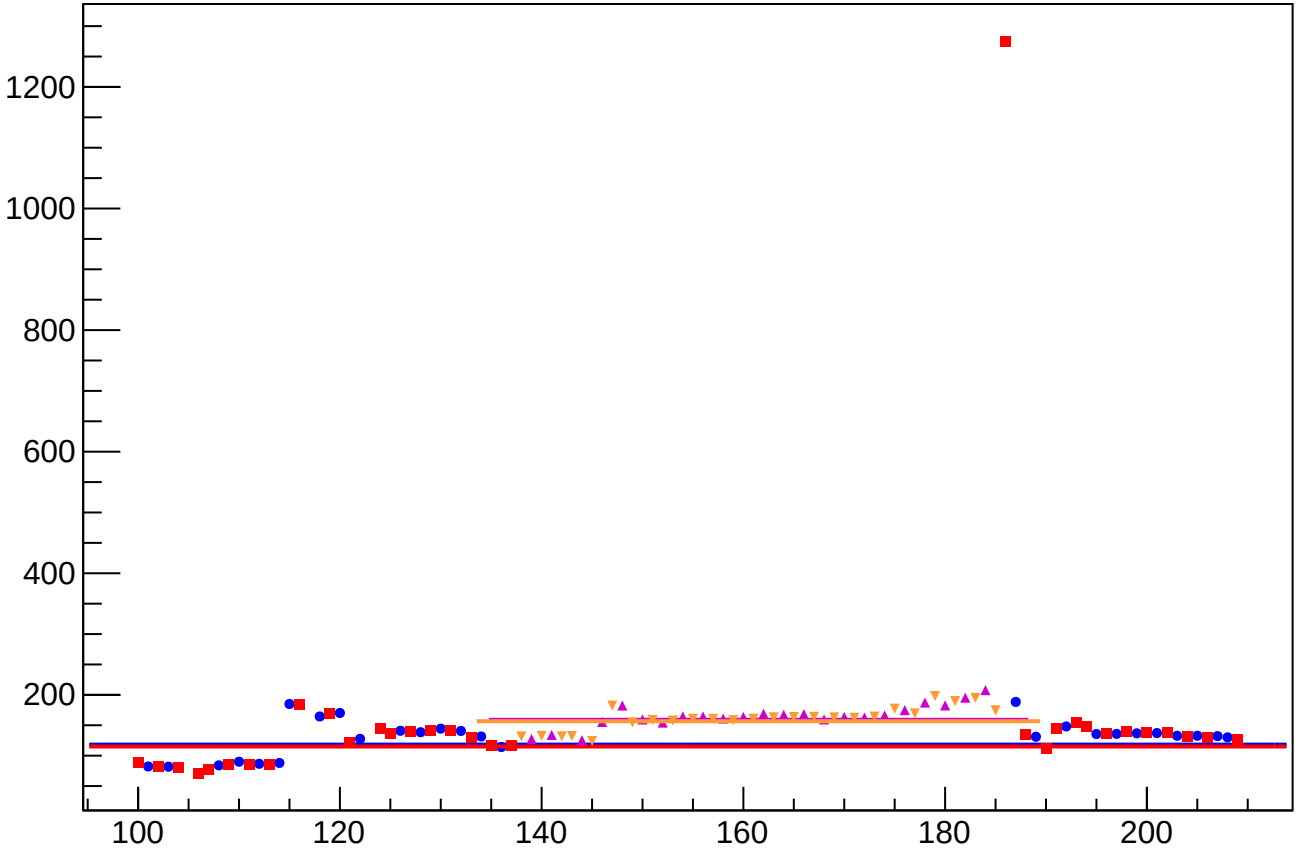
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 118.981+/-23.218 χ^2/NDF: 73.6/51

All: 8.152+/-16.281 χ^2/NDF: 177.7/106

- sign -99.058+/-22.836 χ^2/NDF: 59.3/54

reg_asym_sam5_rms vs Slug



Right In: 118.176+/-0.022 χ^2/NDF: 1487966.0/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 115.024+/-0.020 χ^2/NDF: 2570114.7/31

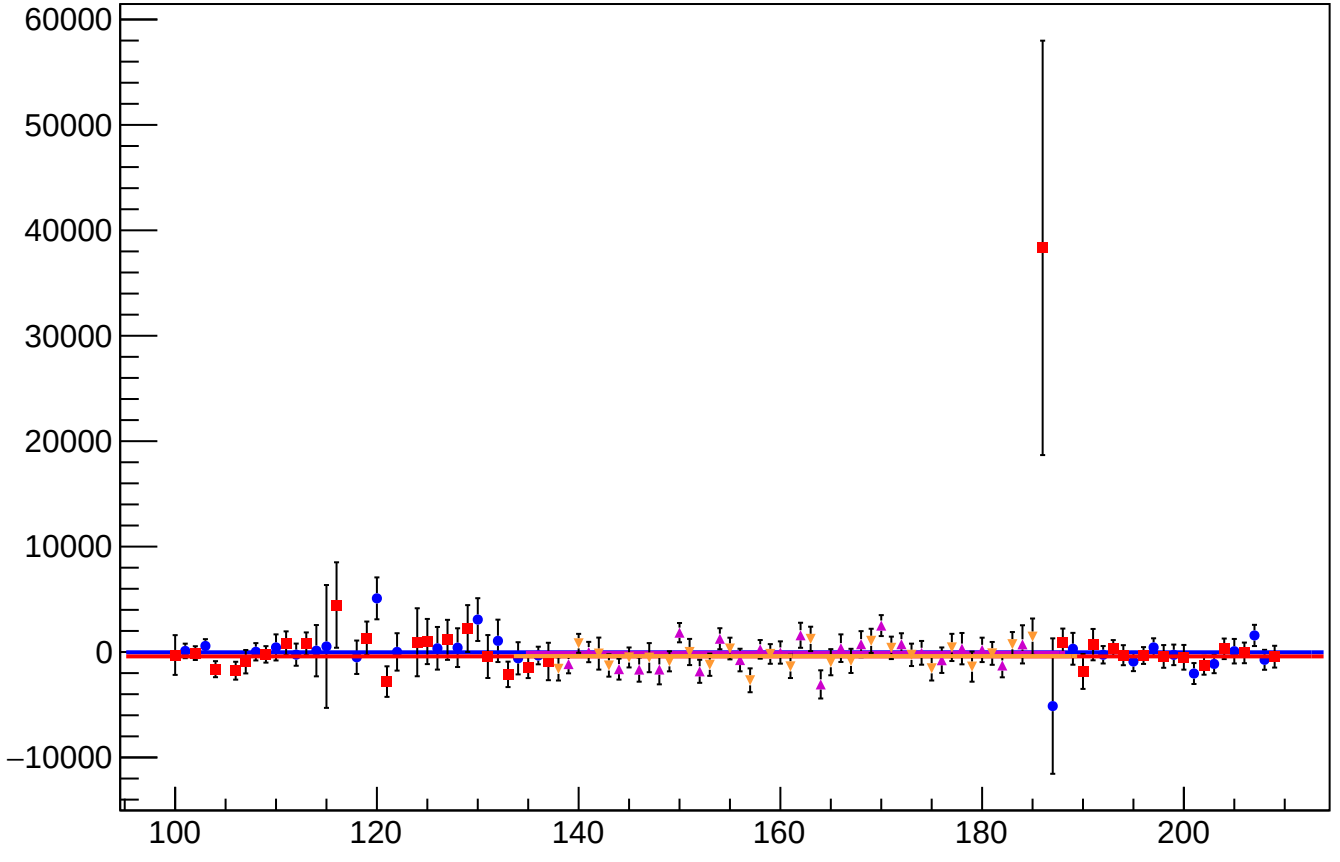
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.284+/-0.016 χ^2/NDF: 3406270.0/51

All: 132.816+/-0.012 χ^2/NDF: 8233646.0/106

- sign 131.396+/-0.016 χ^2/NDF: 4811656.0/54

asym_sam5_reg_correction_mean vs Slug



Right In: -25.689+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -413.959+/-198.964 χ^2/NDF: 27.9/31

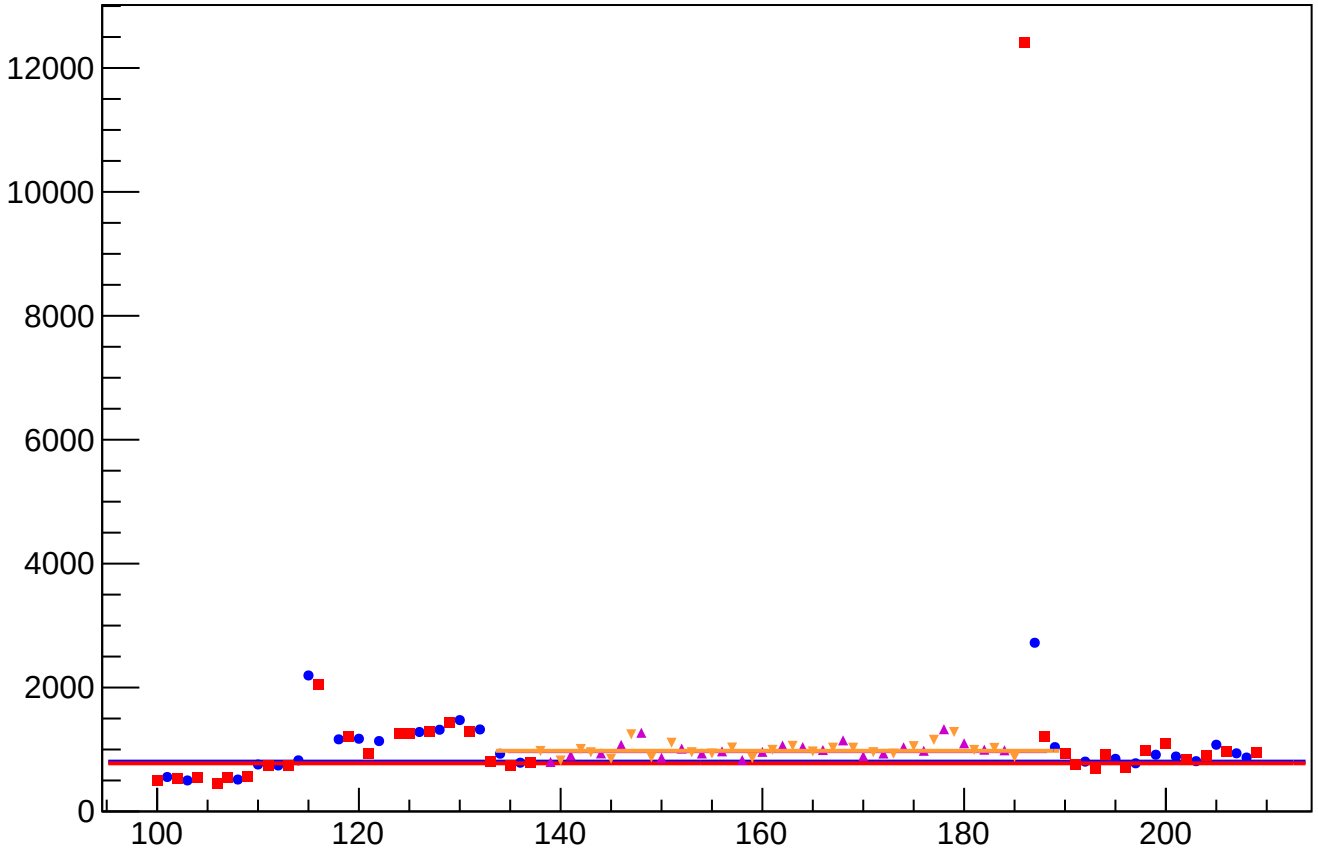
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -192.841+/-154.085 χ^2/NDF: 41.7/51

All: -231.573+/-107.634 χ^2/NDF: 104.0/106

- sign -268.482+/-150.415 χ^2/NDF: 62.2/54

asym_sam5_reg_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF: 2380944.8/26

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 777.132+/-0.141 χ^2/NDF: 3467667.8/31

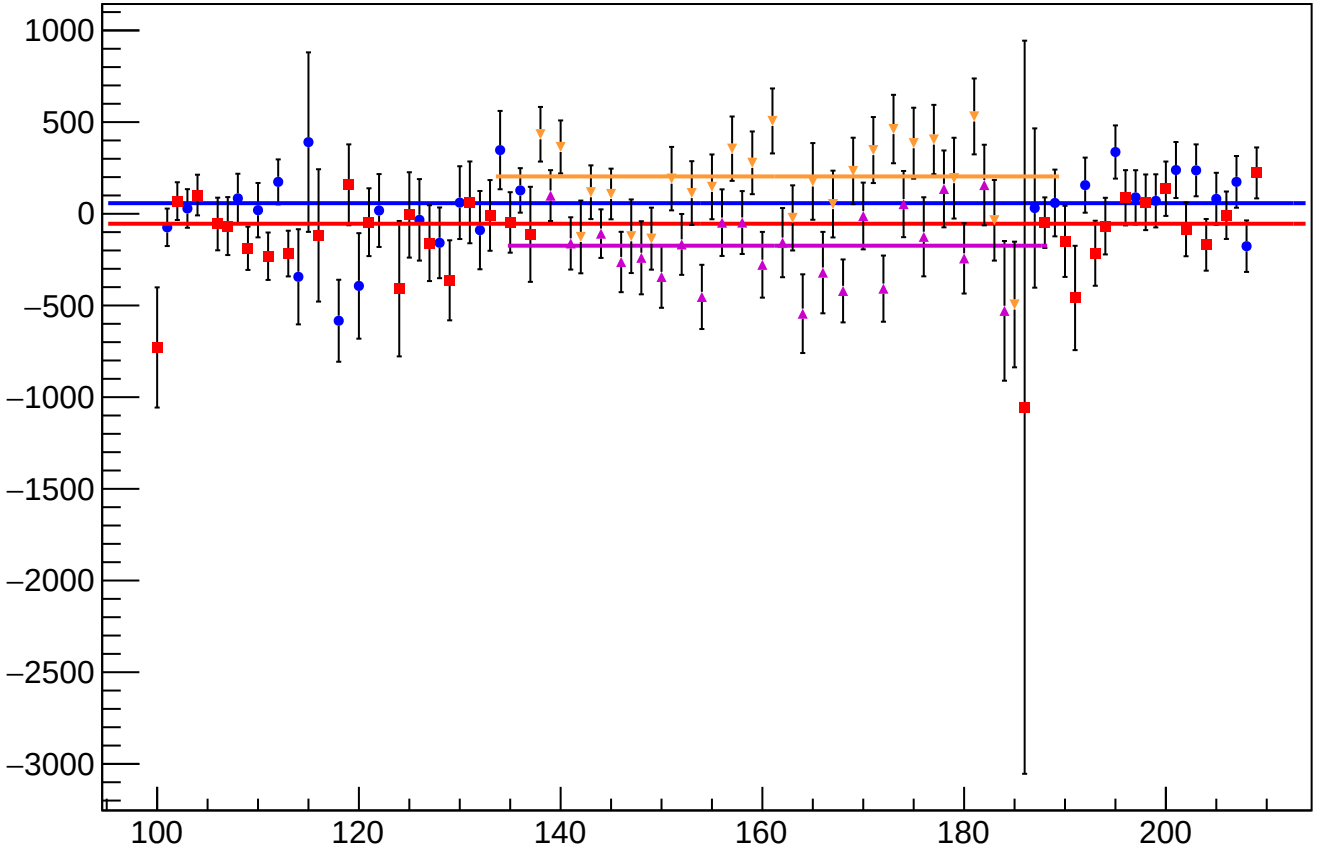
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 886.436+/-0.109 χ^2/NDF: 3454520.8/51

All: 873.620+/-0.076 χ^2/NDF: 8285260.6/106

- sign 861.408+/-0.106 χ^2/NDF: 4803719.5/54

cor_asym_sam5_mean vs Slug



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -54.239+/-28.834 χ^2/NDF: 28.4/31

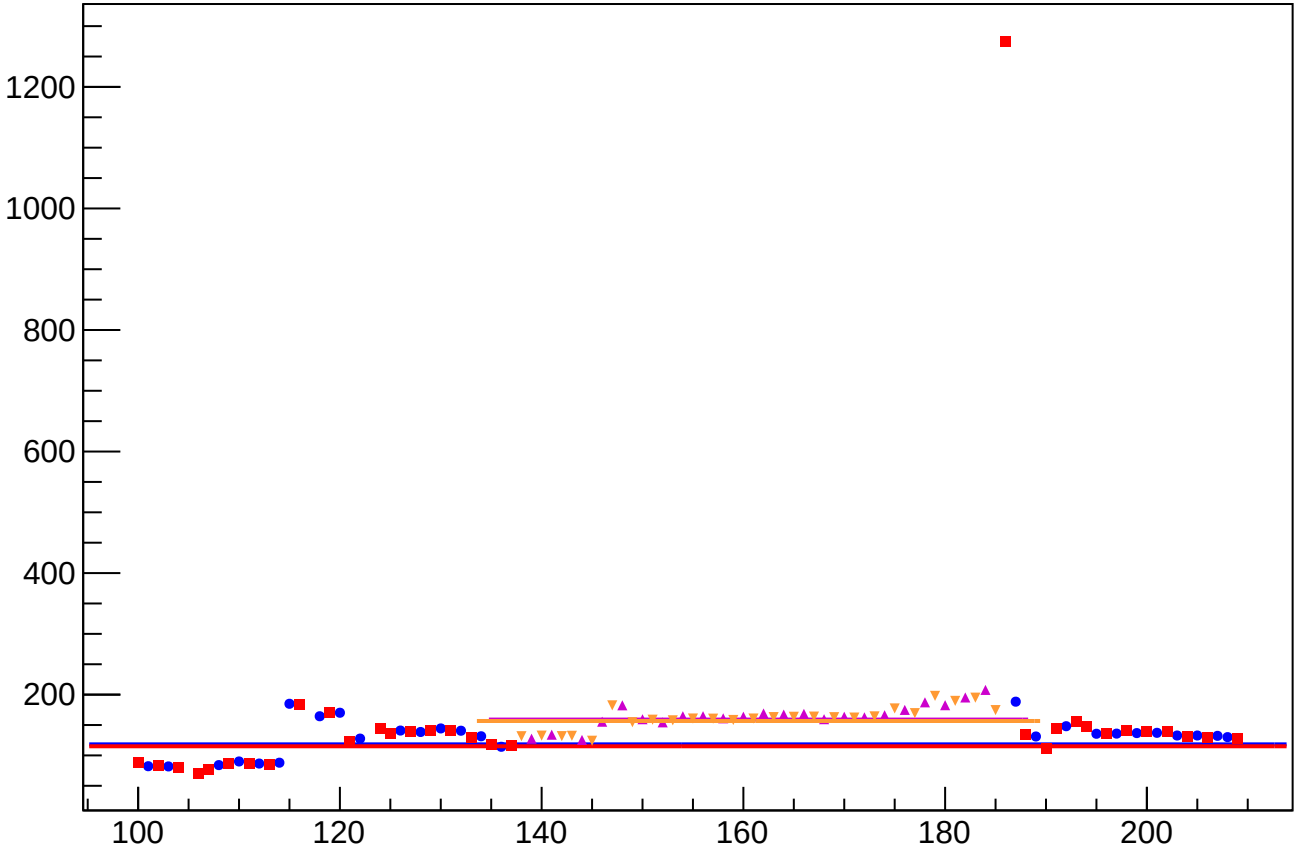
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 118.982+/-23.218 χ^2/NDF: 73.6/51

All: 8.251+/-16.281 χ^2/NDF: 177.6/106

- sign -98.869+/-22.836 χ^2/NDF: 59.3/54

cor_asym_sam5_rms vs Slug



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.012+/-0.020 χ^2/NDF: 2573286.3/31

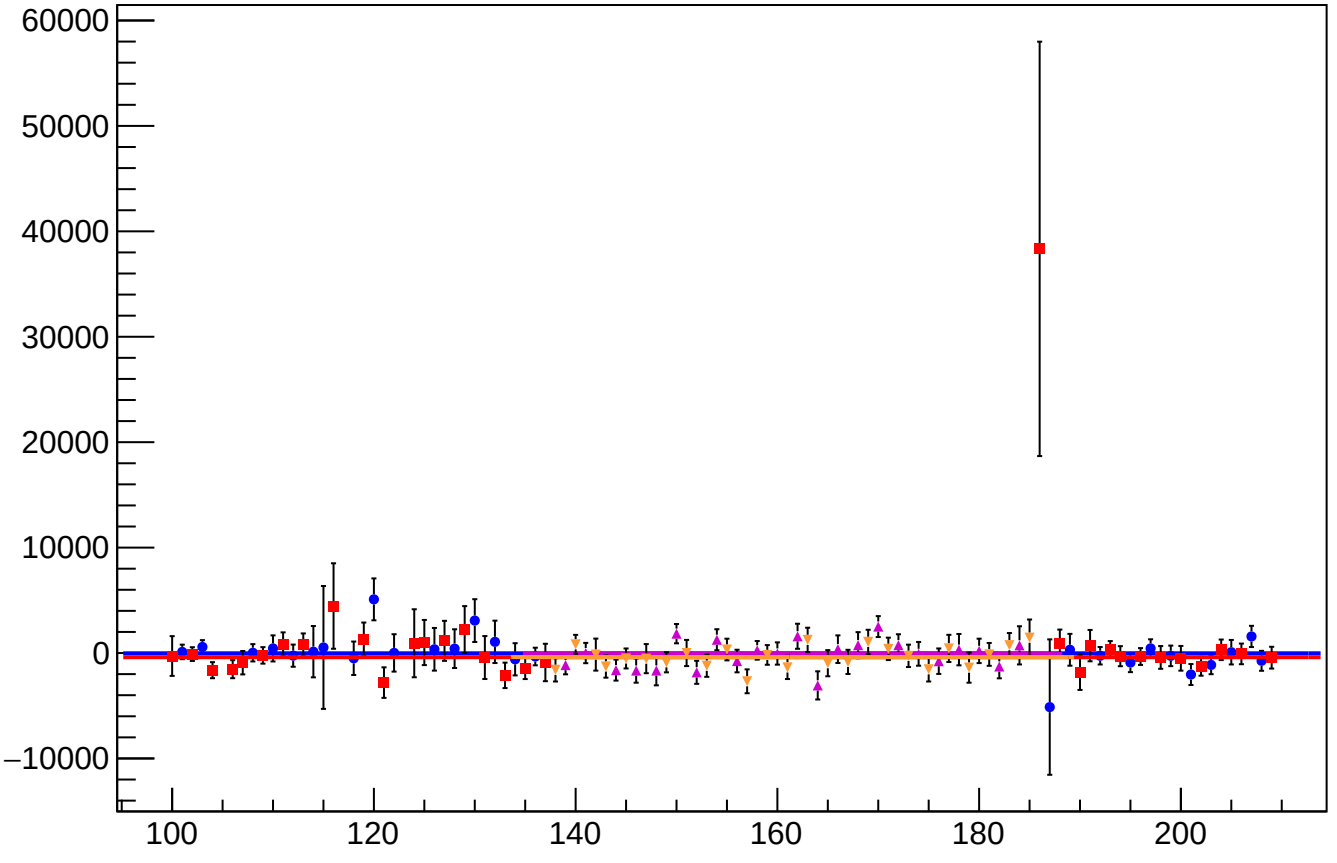
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.284+/-0.016 χ^2/NDF: 3406268.0/51

All: 132.813+/-0.012 χ^2/NDF: 8237828.0/106

- sign 131.389+/-0.016 χ^2/NDF: 4815763.7/54

asym_sam5_cor_correction_mean vs Slug



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -399.821+/-199.036 χ^2/NDF: 27.0/31

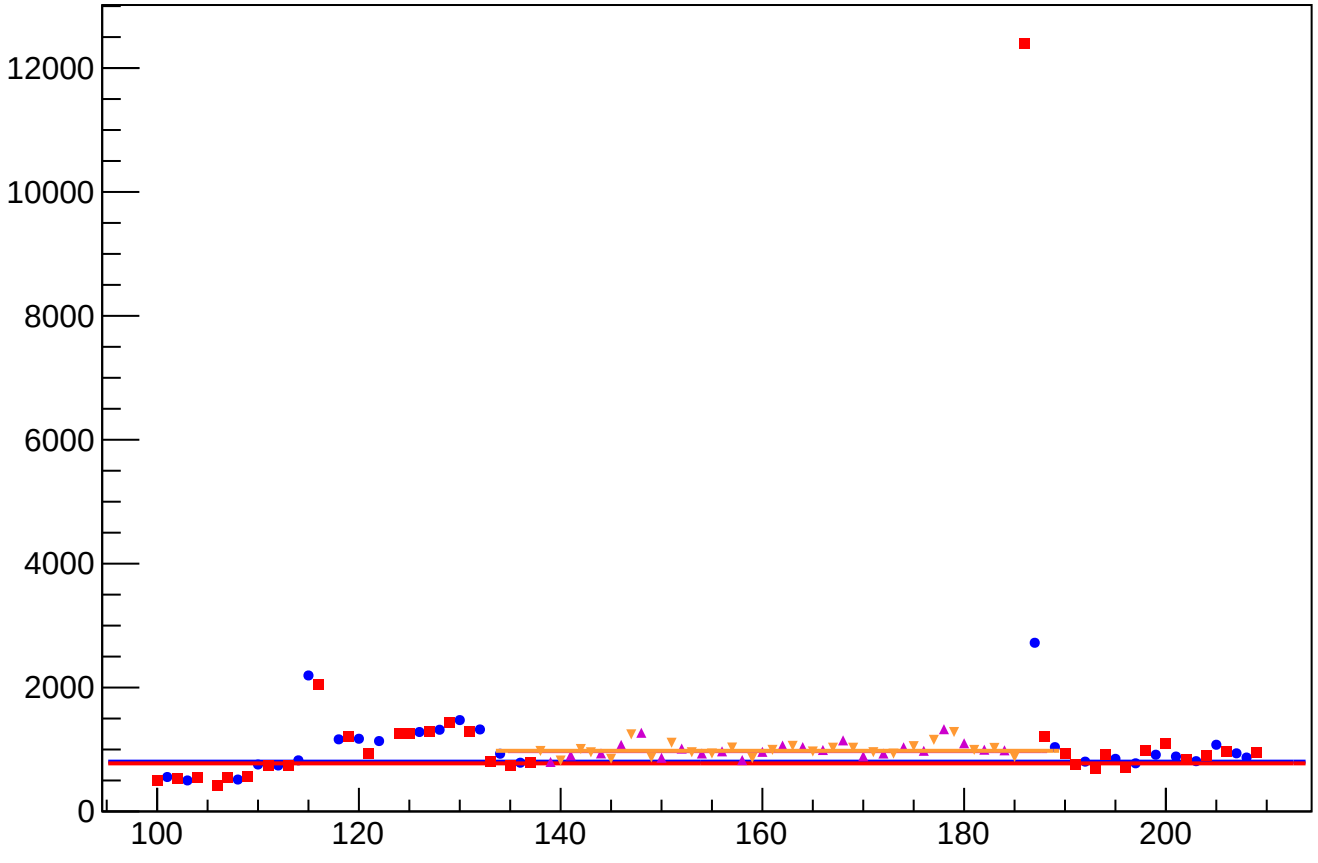
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -192.834+/-154.085 χ^2/NDF: 41.7/51

All: -227.396+/-107.645 χ^2/NDF: 103.0/106

- sign -260.344+/-150.446 χ^2/NDF: 61.2/54

asym_sam5_cor_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 776.041+/-0.141 χ^2/NDF: 3509283.9/31

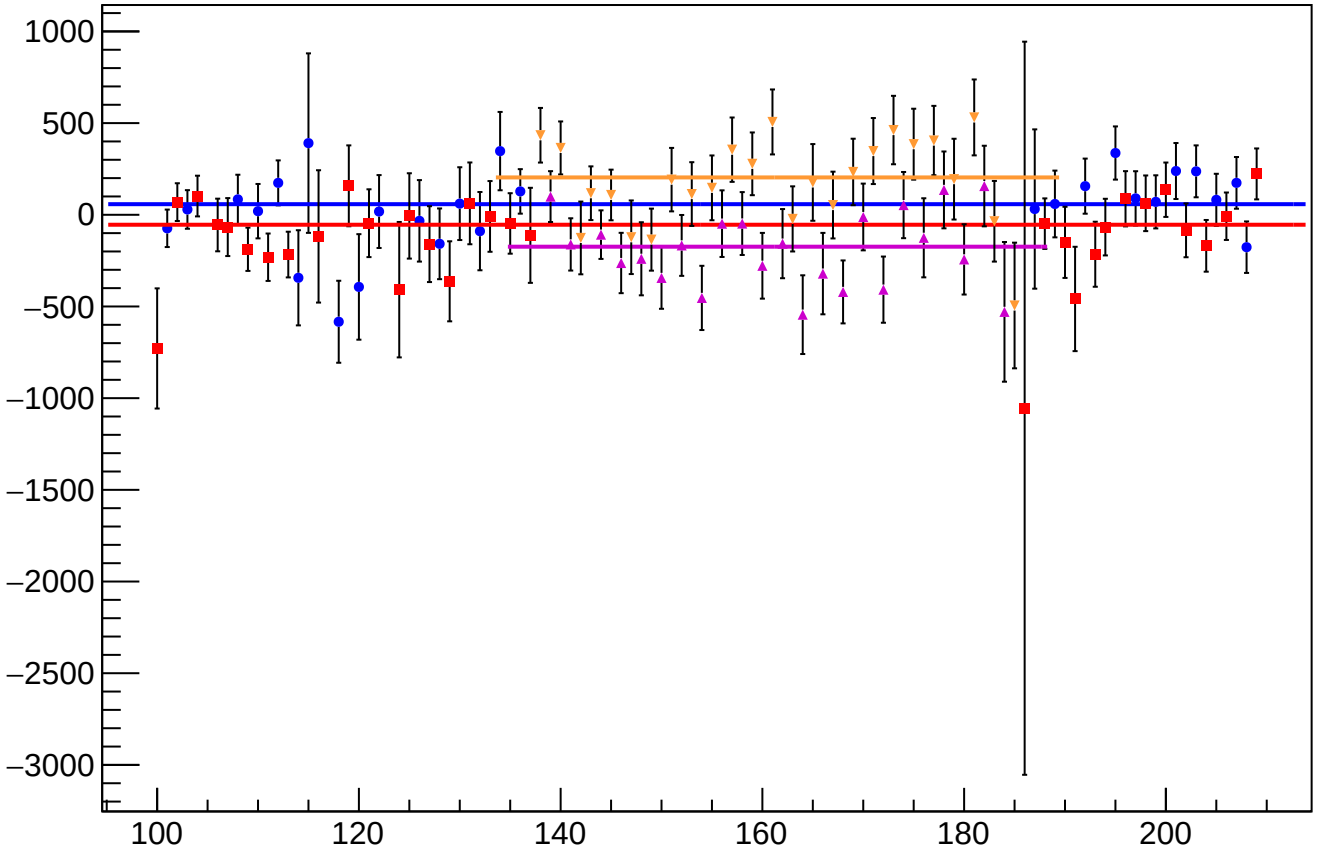
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 886.436+/-0.109 χ^2/NDF: 3454526.7/51

All: 873.321+/-0.076 χ^2/NDF: 8337223.8/106

- sign 860.819+/-0.106 χ^2/NDF: 4854395.8/54

eigen_cor_asym_sam5_mean vs Slug



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -54.239+/-28.834 χ^2/NDF: 28.4/31

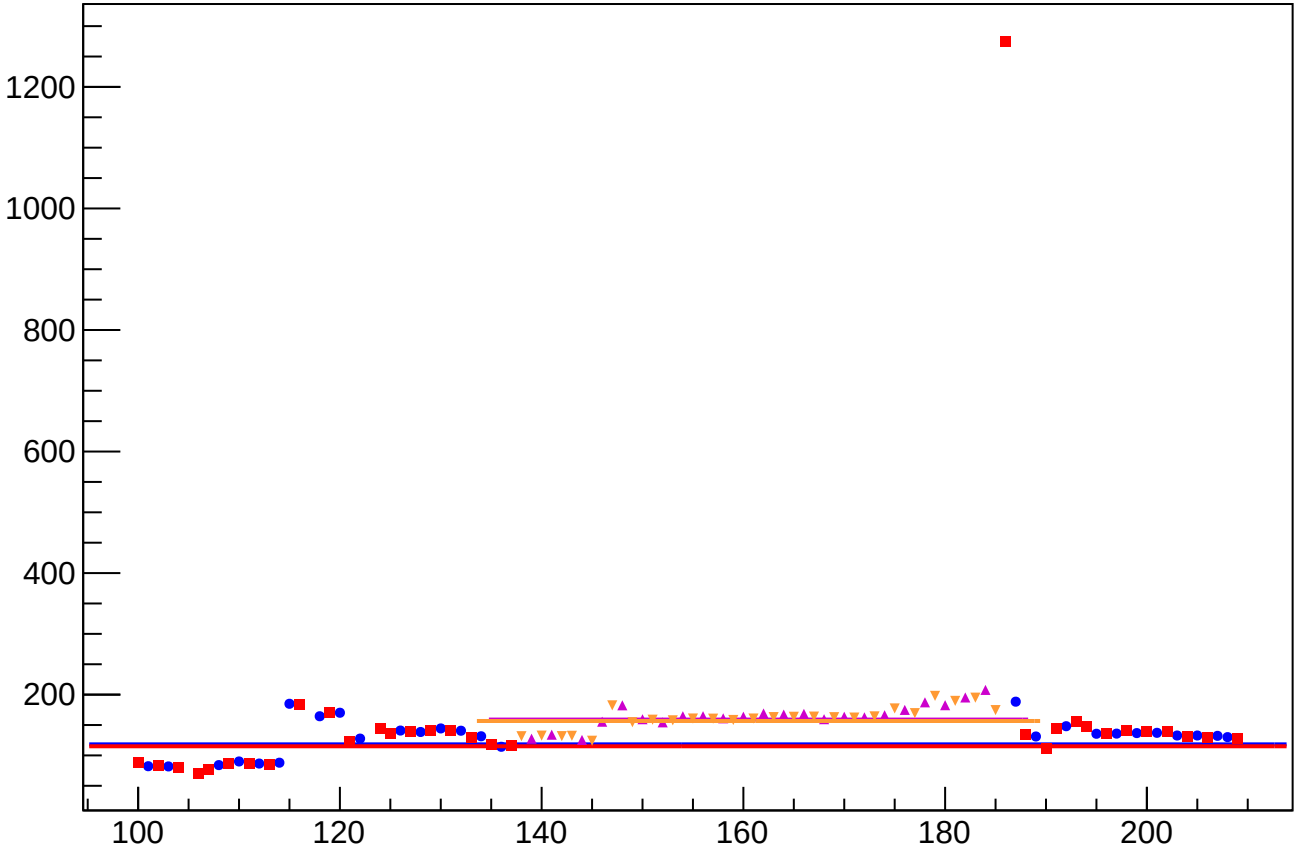
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 118.982+/-23.218 χ^2/NDF: 73.6/51

All: 8.251+/-16.281 χ^2/NDF: 177.6/106

- sign -98.869+/-22.836 χ^2/NDF: 59.3/54

eigen_cor_asym_sam5_rms vs Slug



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.012+/-0.020 χ^2/NDF: 2573286.3/31

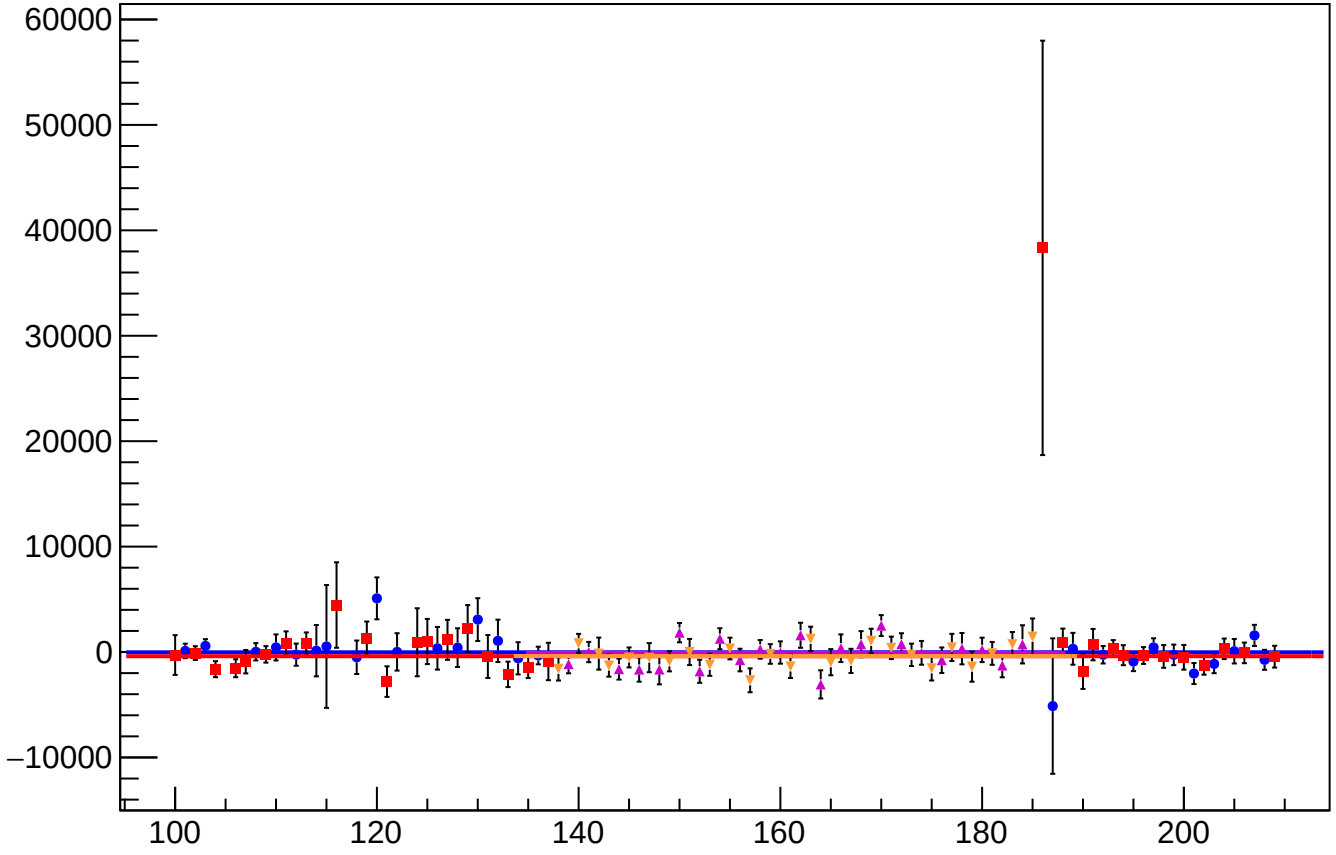
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.284+/-0.016 χ^2/NDF: 3406268.0/51

All: 132.813+/-0.012 χ^2/NDF: 8237828.0/106

- sign 131.389+/-0.016 χ^2/NDF: 4815763.7/54

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -399.821+/-199.036 χ^2/NDF: 27.0/31

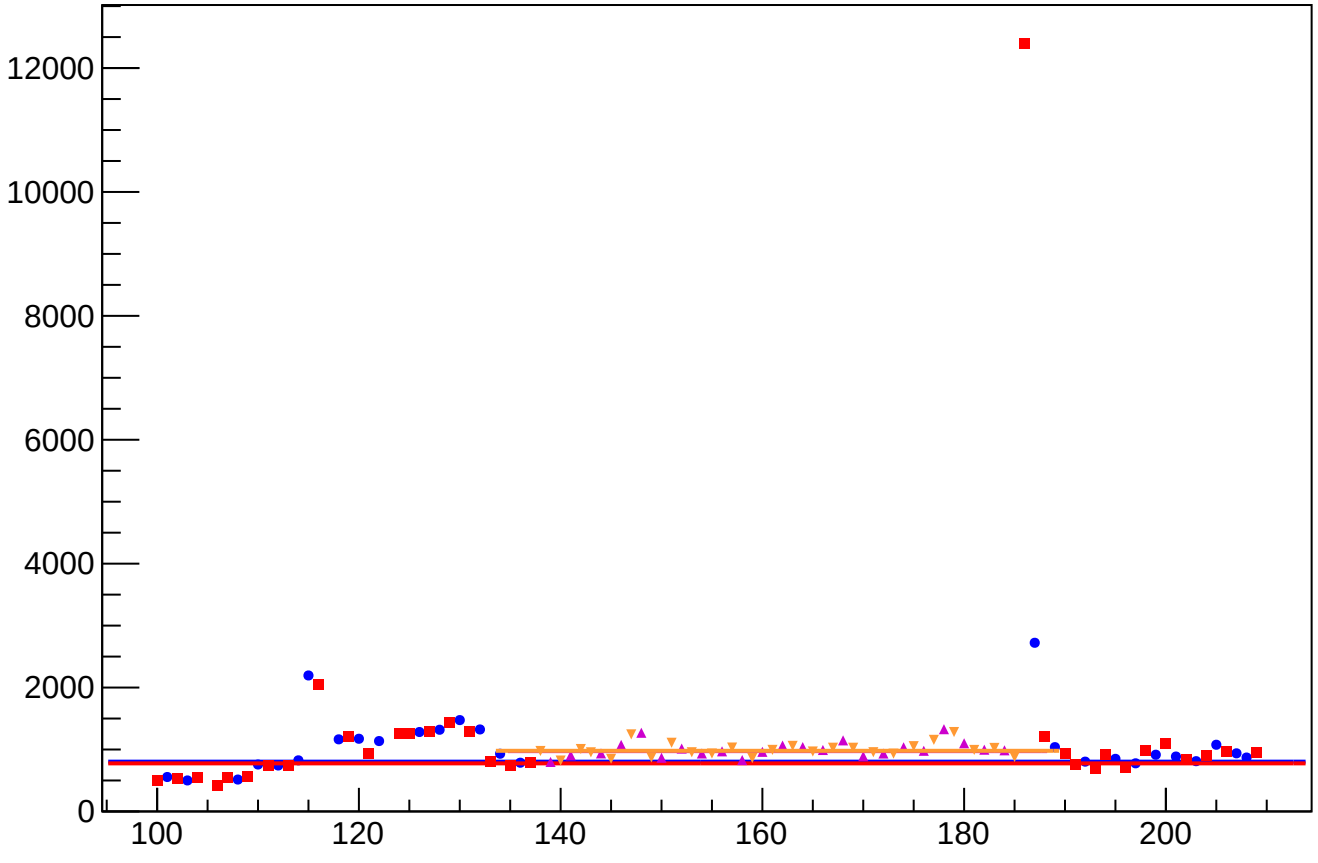
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -192.834+/-154.085 χ^2/NDF: 41.7/51

All: -227.396+/-107.645 χ^2/NDF: 103.0/106

- sign -260.344+/-150.446 χ^2/NDF: 61.2/54

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 776.041+/-0.141 χ^2/NDF: 3509283.9/31

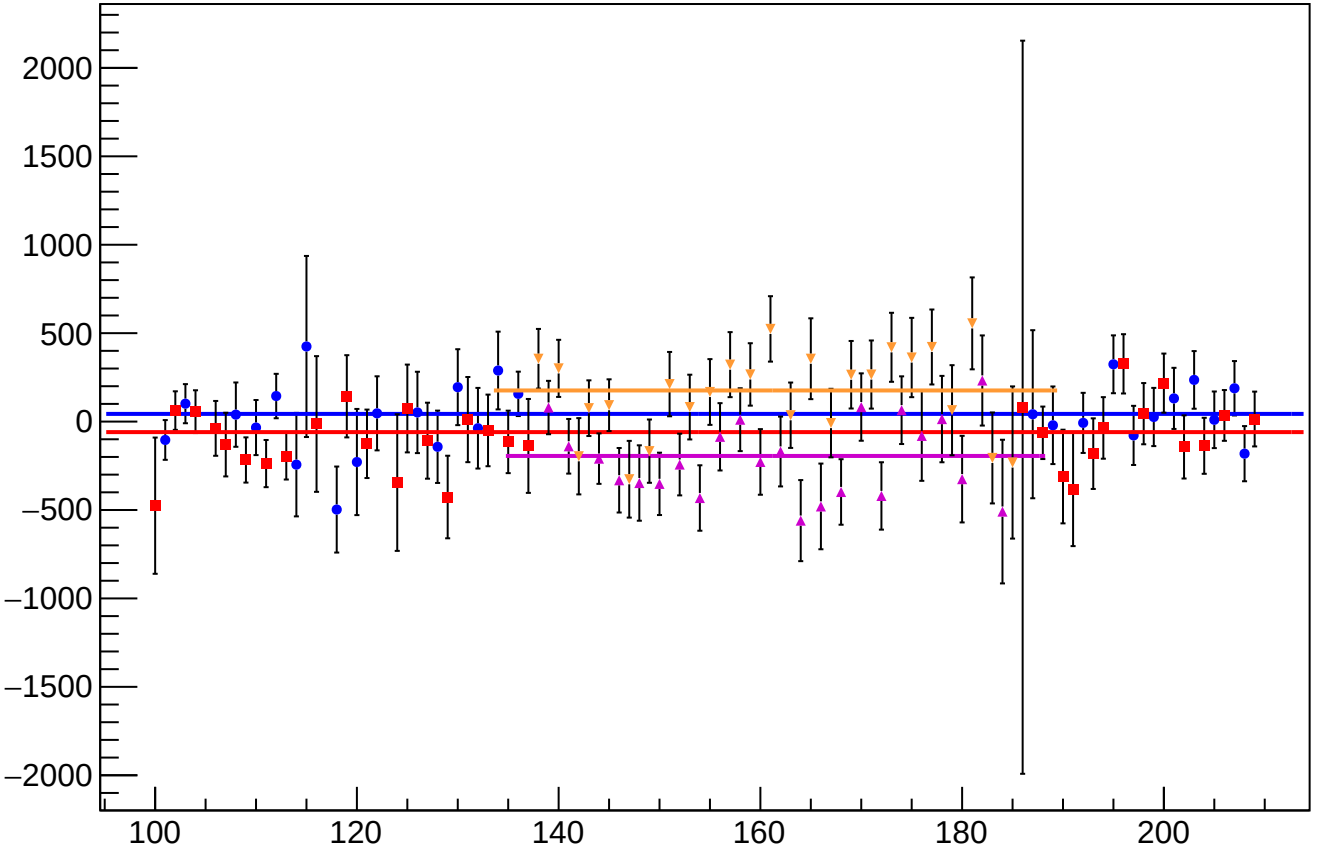
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 886.436+/-0.109 χ^2/NDF: 3454526.7/51

All: 873.321+/-0.076 χ^2/NDF: 8337223.8/106

- sign 860.819+/-0.106 χ^2/NDF: 4854395.8/54

dit_asym_sam5_mean vs Slug



Right In: 43.454+/-33.458 χ^2/NDF: 22.0/26

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -59.521+/-31.584 χ^2/NDF: 24.2/31

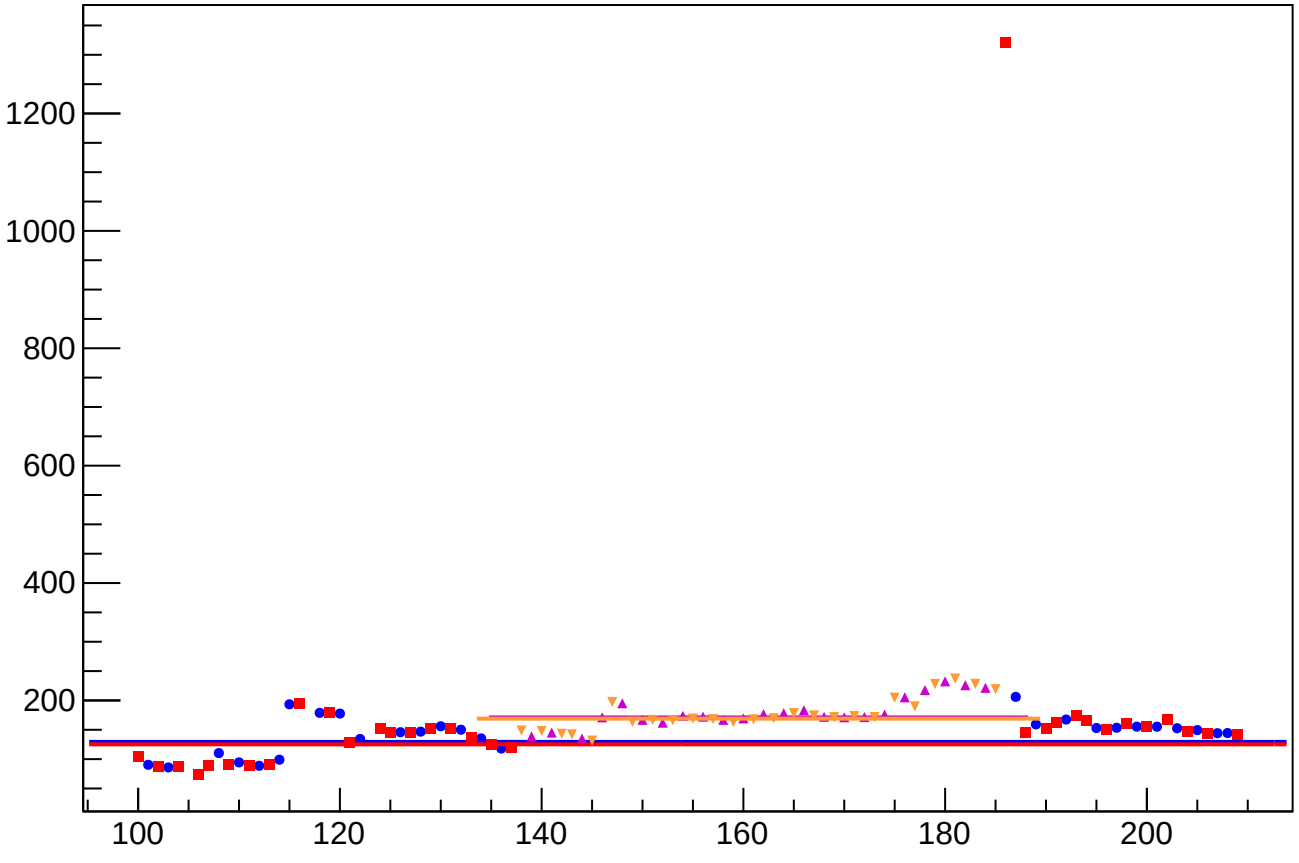
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 99.922+/-25.349 χ^2/NDF: 59.4/51

All: -7.350+/-17.756 χ^2/NDF: 149.6/106

- sign -110.682+/-24.879 χ^2/NDF: 55.0/54

dit_asym_sam5_rms vs Slug



Right In: 129.369+/-0.024 χ^2/NDF: 1639092.7/26

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 125.194+/-0.022 χ^2/NDF: 2839368.4/31

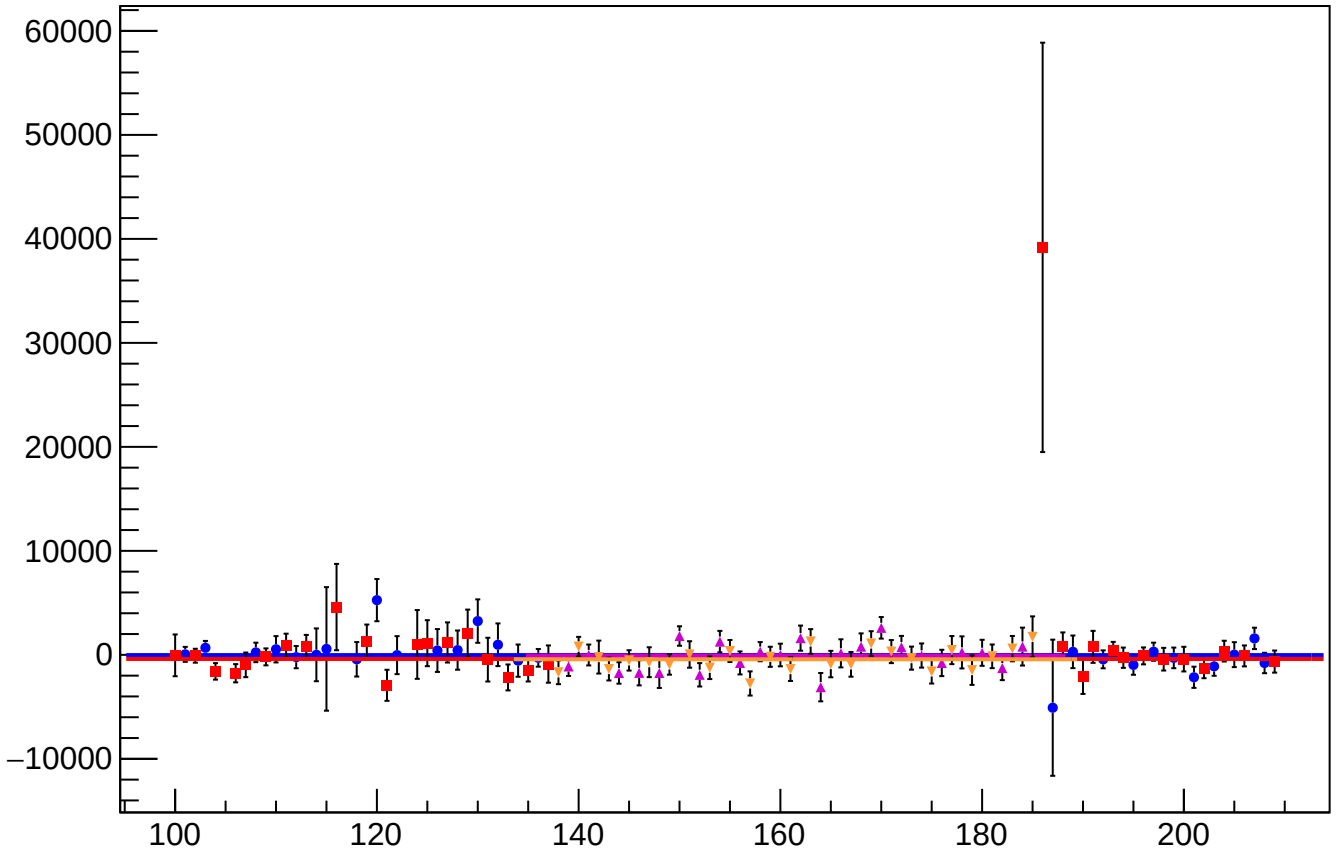
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.255+/-0.018 χ^2/NDF: 3609008.2/51

All: 144.387+/-0.013 χ^2/NDF: 8745811.0/106

- sign 142.587+/-0.018 χ^2/NDF: 5115469.5/54

asym_sam5_dit_correction_mean vs Slug



Right In: -24.918+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -396.176+/-205.480 χ^2/NDF: 27.8/31

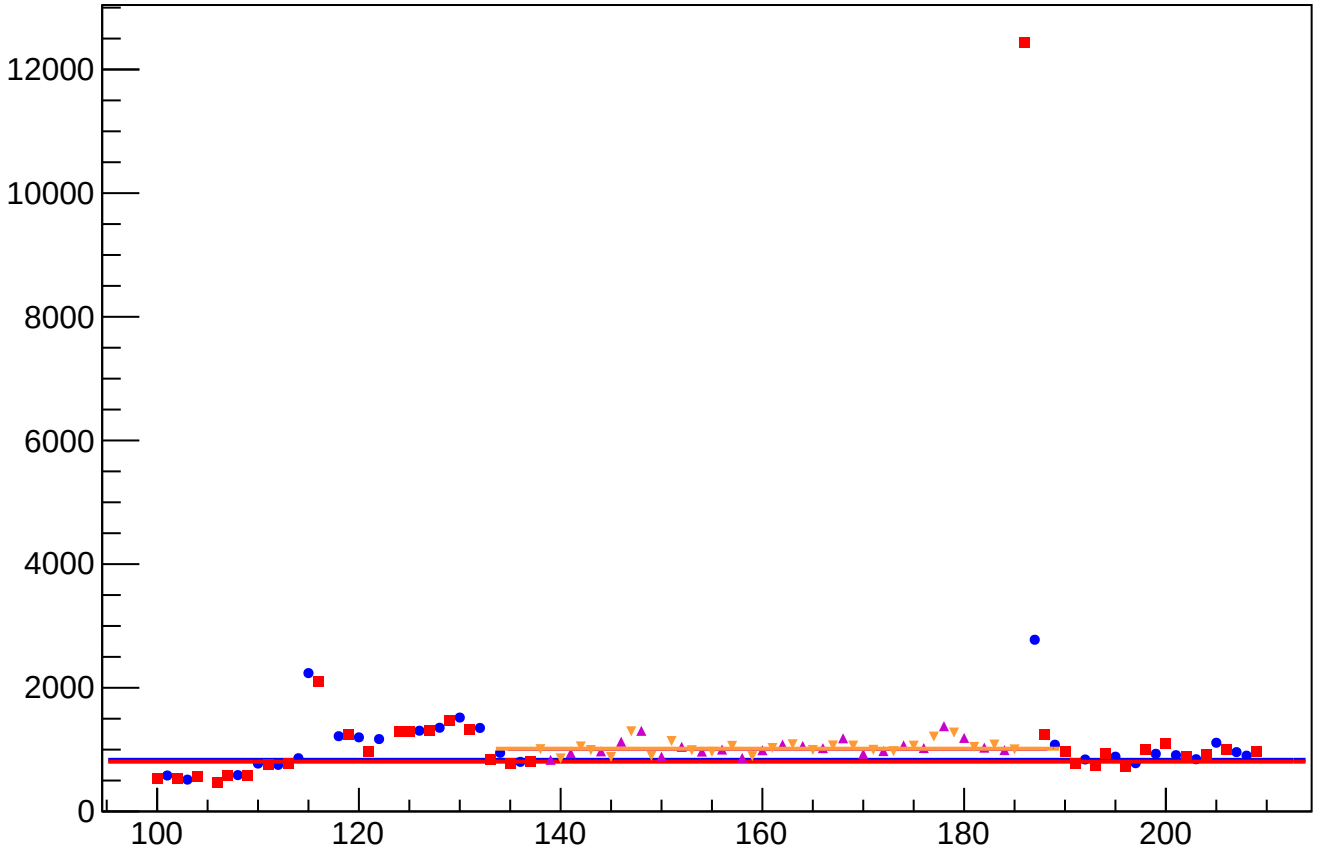
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -213.592+/-159.541 χ^2/NDF: 42.1/51

All: -239.439+/-111.384 χ^2/NDF: 103.4/106

- sign -264.017+/-155.576 χ^2/NDF: 61.2/54

asym_sam5_dit_correction_rms vs Slug



Right In: 834.896+/-0.155 χ^2/NDF: 2245861.4/26

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 804.945+/-0.145 χ^2/NDF: 3345915.9/31

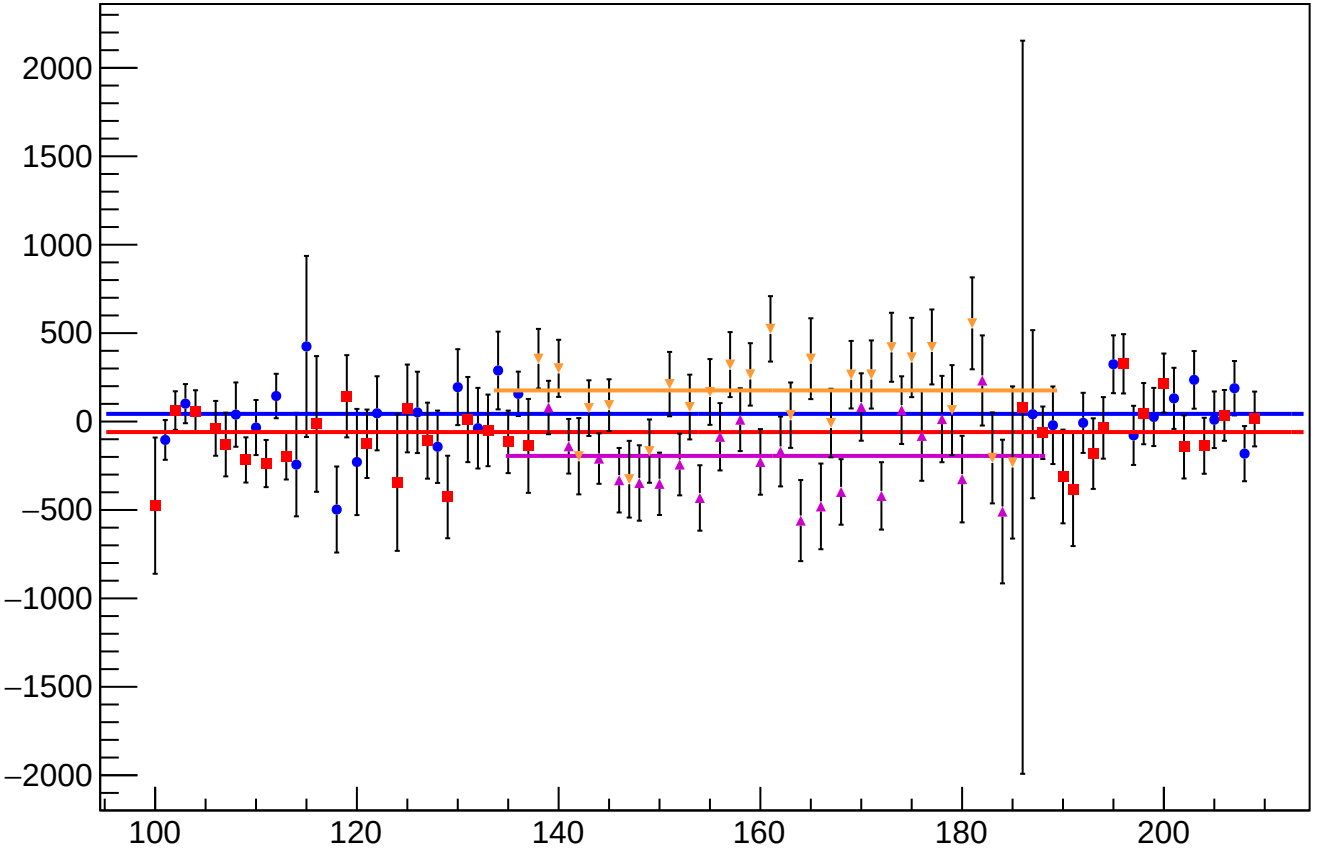
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 919.679+/-0.113 χ^2/NDF: 3279145.4/51

All: 905.651+/-0.079 χ^2/NDF: 8001253.3/106

- sign 892.312+/-0.110 χ^2/NDF: 4691942.2/54

eigen_dit_asym_sam5_mean vs Slug



Right In: 43.454+/-33.457 χ^2/NDF: 22.0/26

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -59.521+/-31.584 χ^2/NDF: 24.2/31

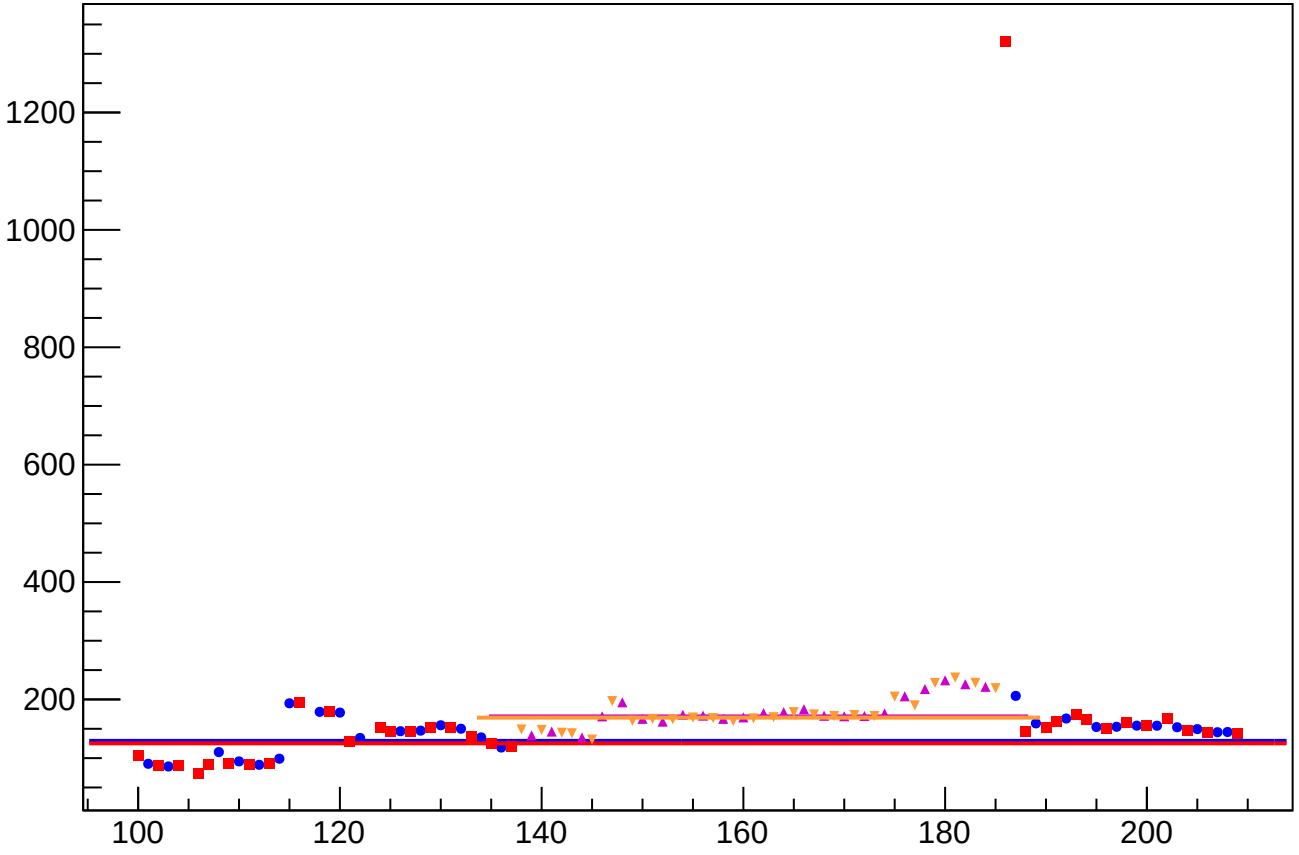
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 99.922+/-25.348 χ^2/NDF: 59.4/51

All: -7.350+/-17.756 χ^2/NDF: 149.6/106

- sign -110.682+/-24.879 χ^2/NDF: 55.0/54

eigen_dit_asym_sam5_rms vs Slug



Right In: 129.368+/-0.024 χ^2/NDF: 1639097.9/26

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 125.194+/-0.022 χ^2/NDF: 2839371.3/31

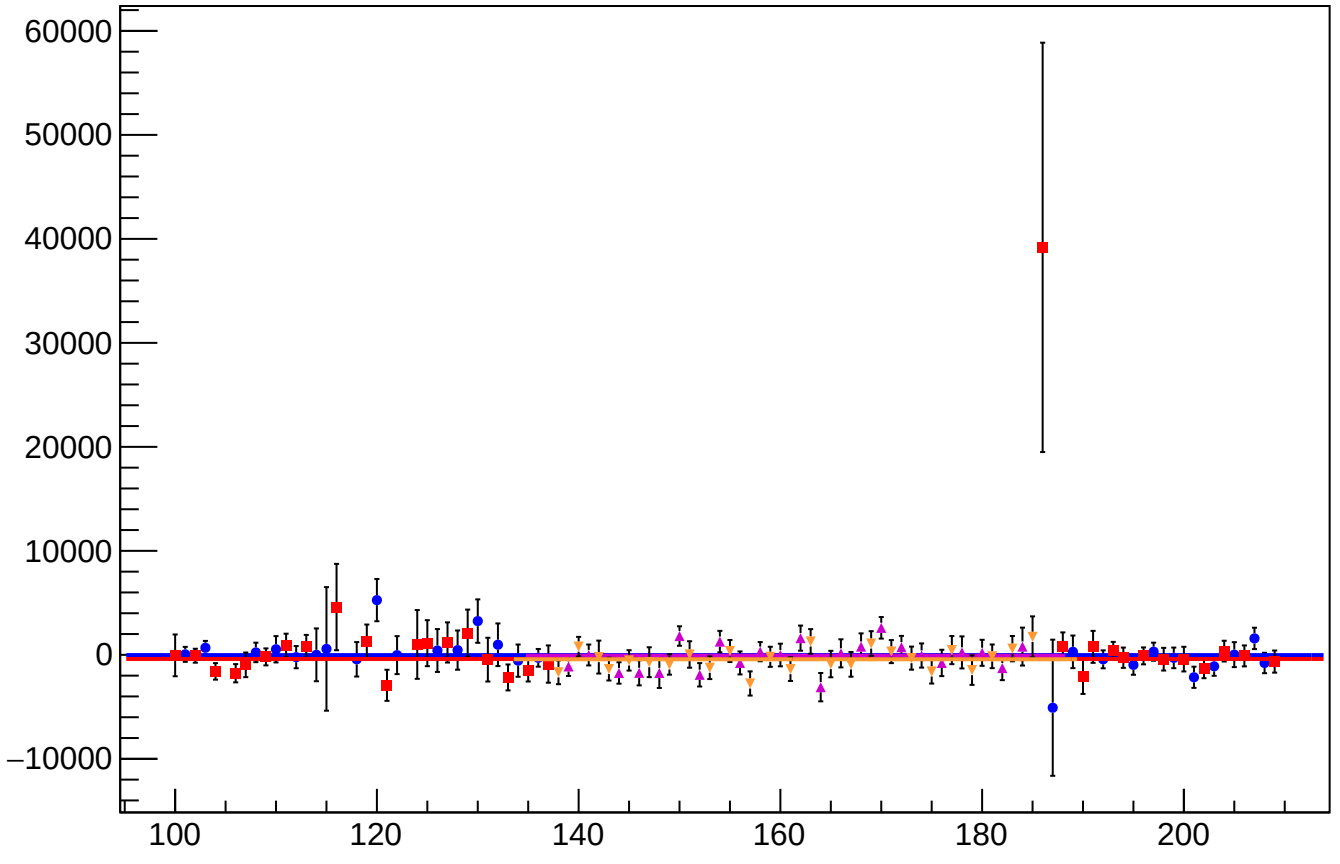
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.255+/-0.018 χ^2/NDF: 3609027.1/51

All: 144.387+/-0.013 χ^2/NDF: 8745852.7/106

- sign 142.587+/-0.018 χ^2/NDF: 5115493.3/54

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -24.917+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -396.176+/-205.480 χ^2/NDF: 27.8/31

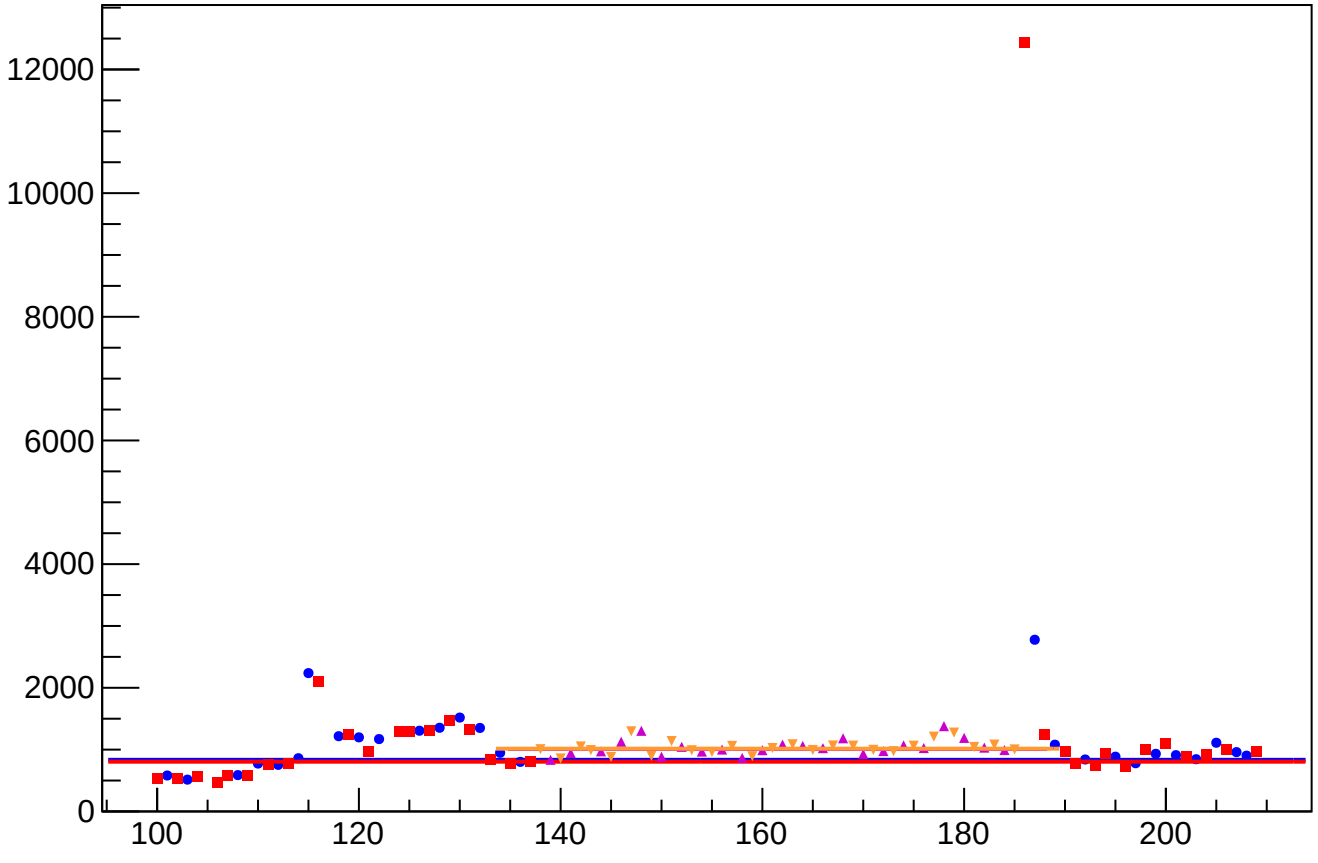
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -213.590+/-159.541 χ^2/NDF: 42.1/51

All: -239.439+/-111.384 χ^2/NDF: 103.4/106

- sign -264.018+/-155.576 χ^2/NDF: 61.2/54

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 834.895+/-0.155 χ^2/NDF: 2245860.9/26

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 804.945+/-0.145 χ^2/NDF: 3345921.9/31

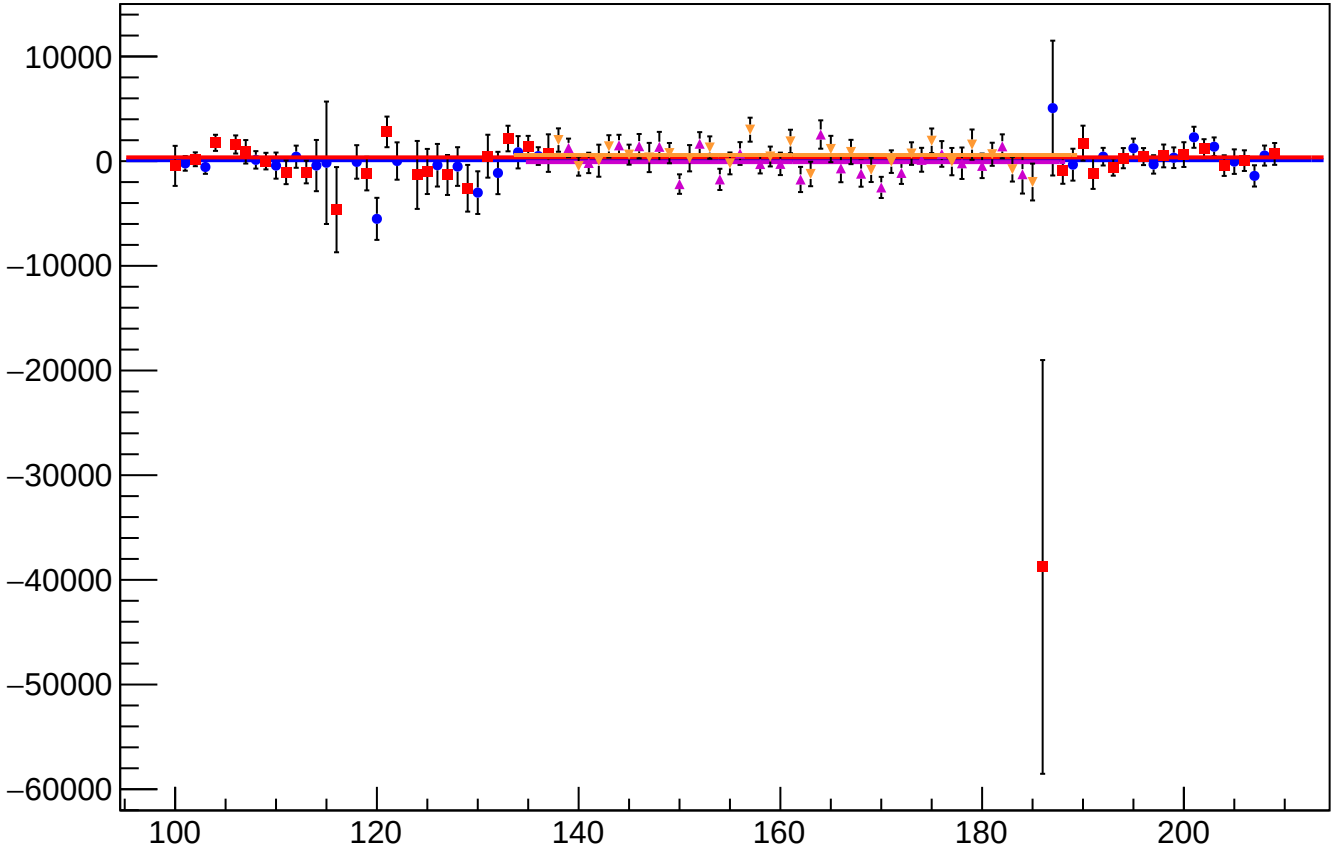
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 919.679+/-0.113 χ^2/NDF: 3279155.8/51

All: 905.651+/-0.079 χ^2/NDF: 8001283.0/106

- sign 892.312+/-0.110 χ^2/NDF: 4691961.9/54

asym_sam5_mean vs Slug



Right In: 92.796+/-214.374 χ^2/NDF: 24.5/26

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 362.539+/-201.535 χ^2/NDF: 30.2/31

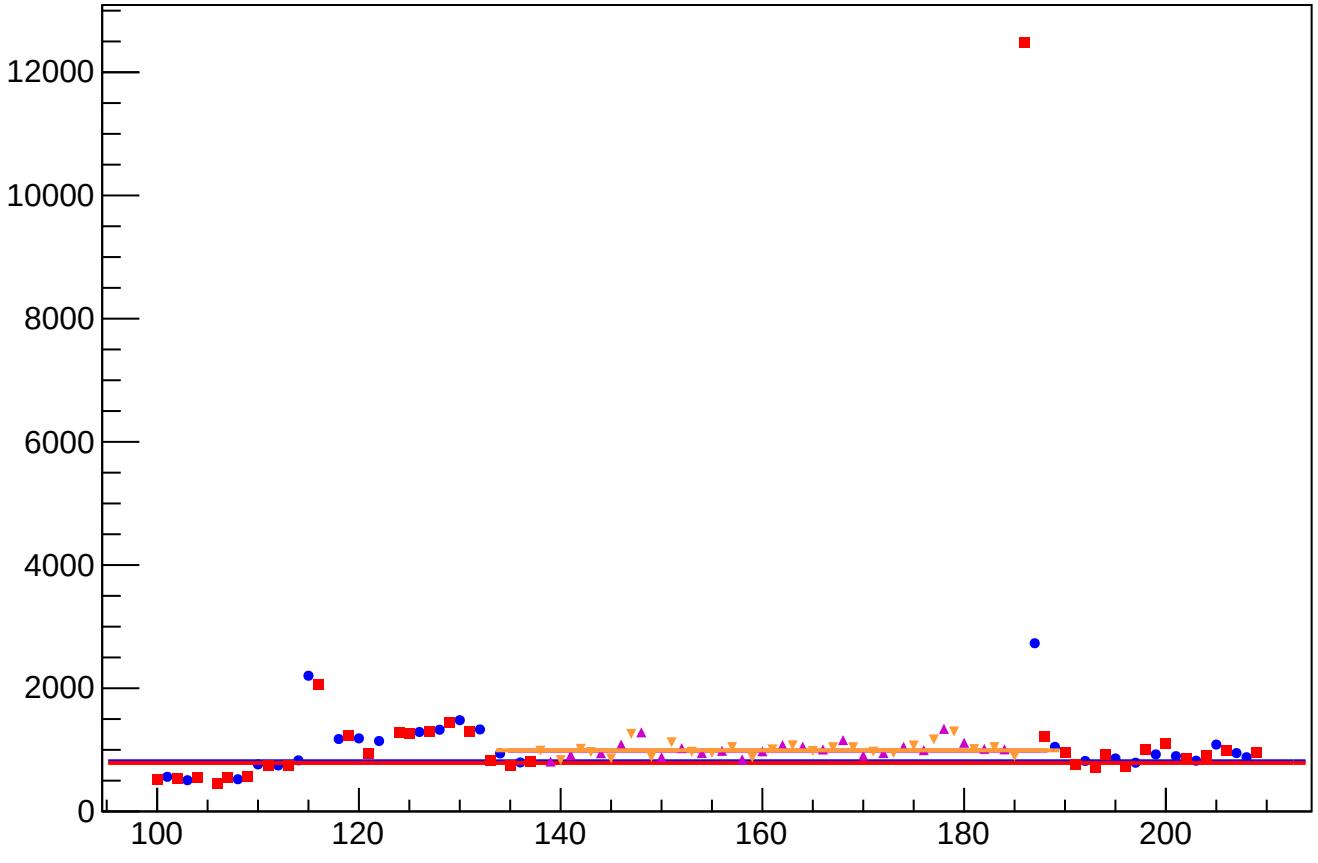
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 324.756+/-156.047 χ^2/NDF: 47.7/51

All: 244.406+/-109.041 χ^2/NDF: 115.2/106

- sign 167.735+/-152.432 χ^2/NDF: 67.0/54

asym_sam5_rms vs Slug



Right In: 814.217+/-0.152 χ^2/NDF: 2354498.0/26

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

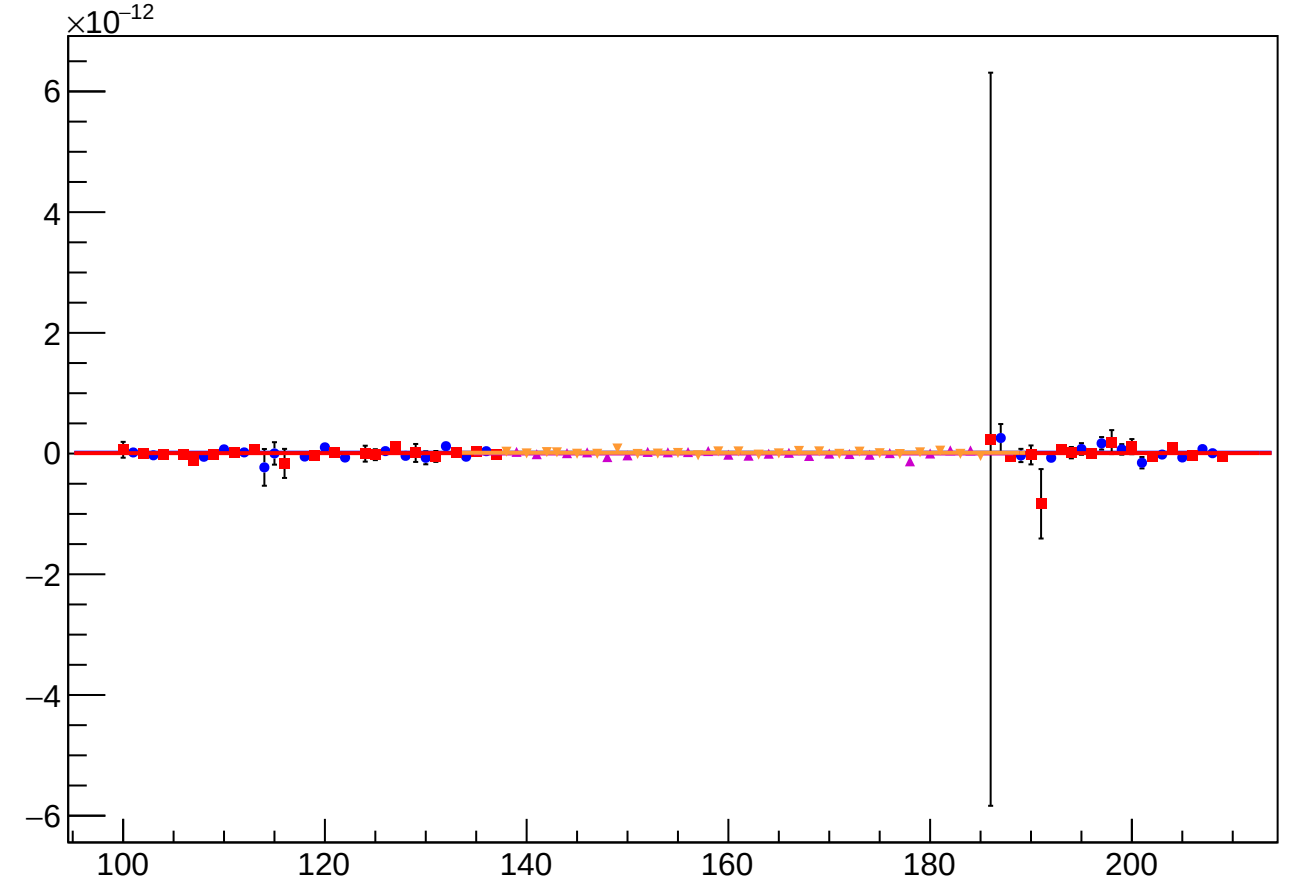
Right Out: 787.582+/-0.143 χ^2/NDF: 3436504.3/31

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 898.057+/-0.110 χ^2/NDF: 3430079.1/51

All: 885.365+/-0.077 χ^2/NDF: 8224740.3/106

- sign 873.254+/-0.108 χ^2/NDF: 4768805.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/31

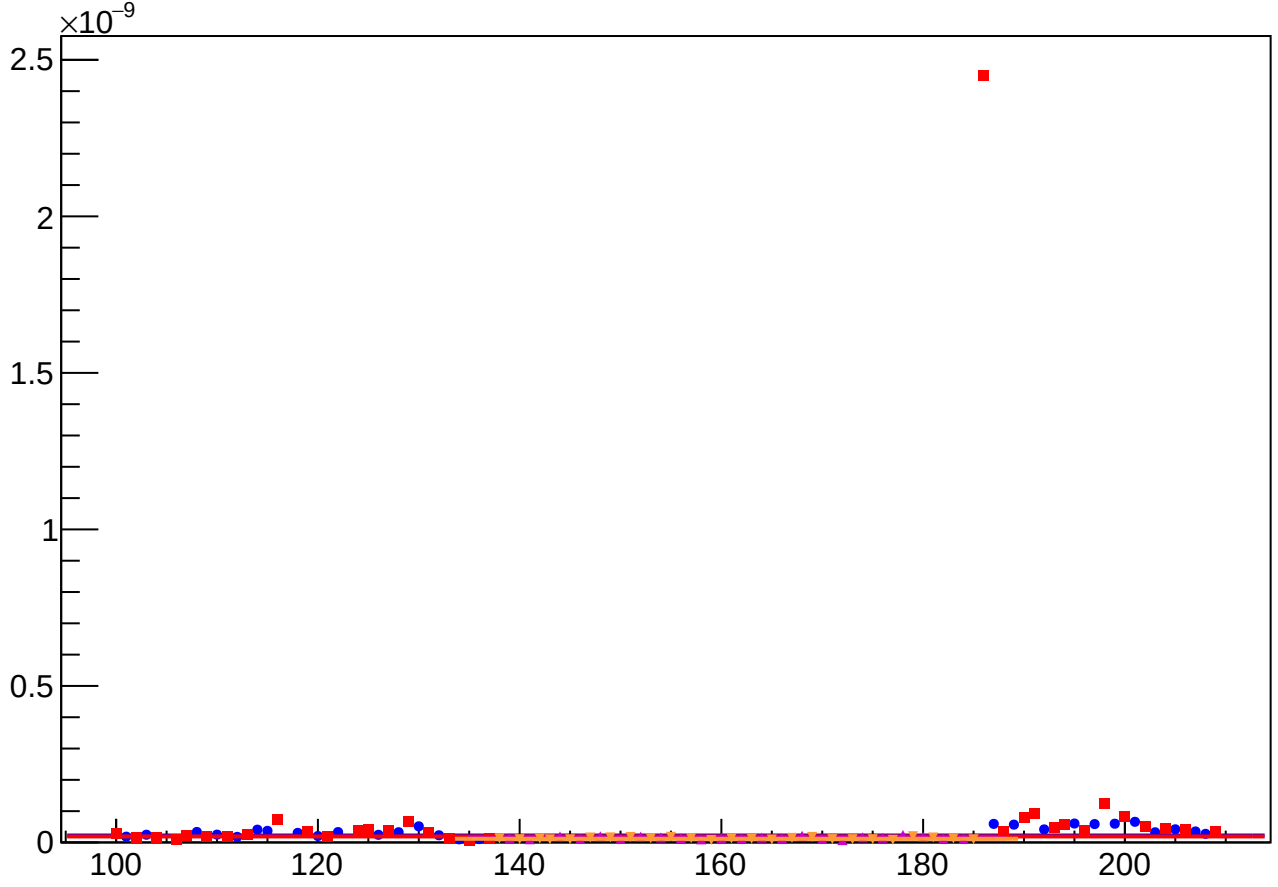
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.0/51

All: 0.000+/-0.000 χ^2/NDF: 107.4/106

- sign 0.000+/-0.000 χ^2/NDF: 51.9/54

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3697386.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5951755.8/31

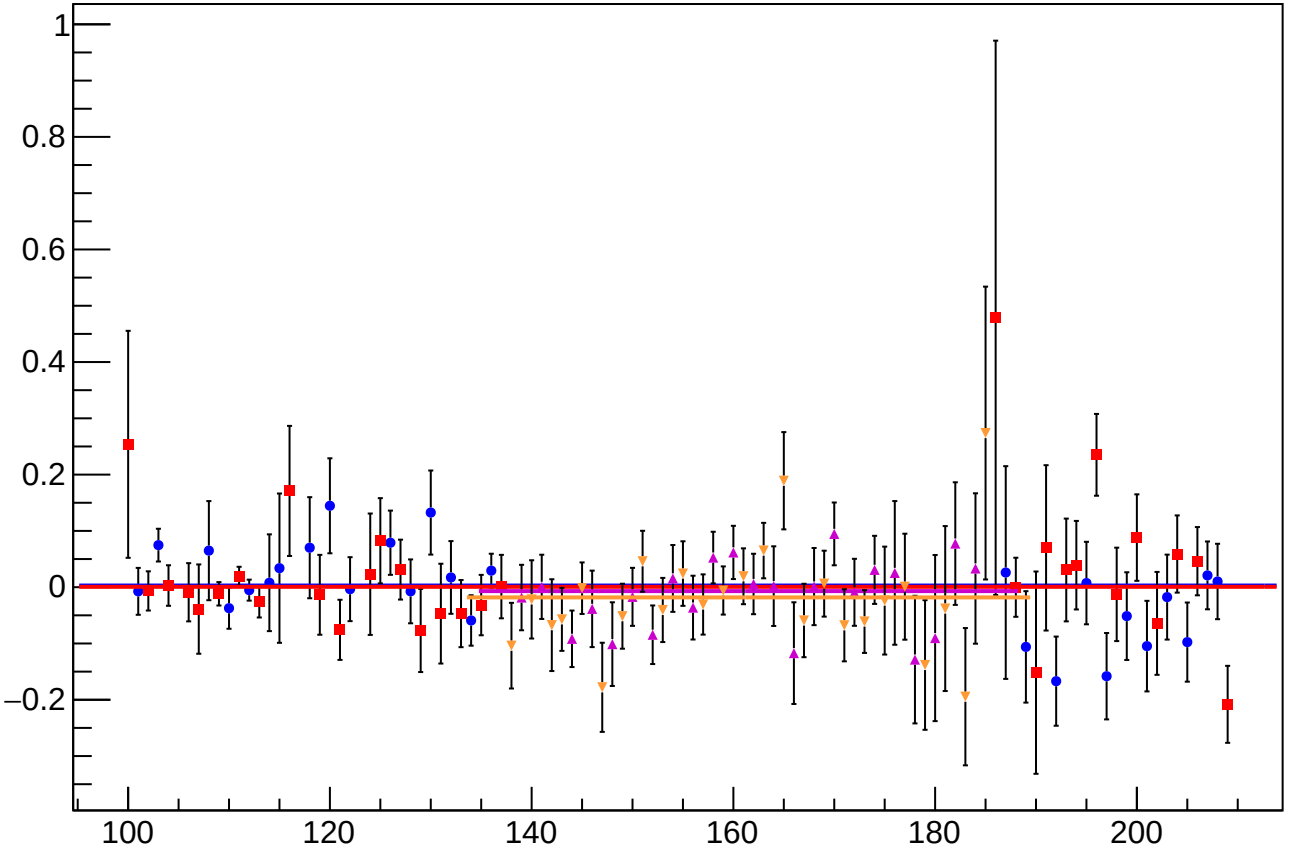
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6401101.4/51

All: 0.000+/-0.000 χ^2/NDF: 13945120.3/106

- sign 0.000+/-0.000 χ^2/NDF: 7451718.5/54

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

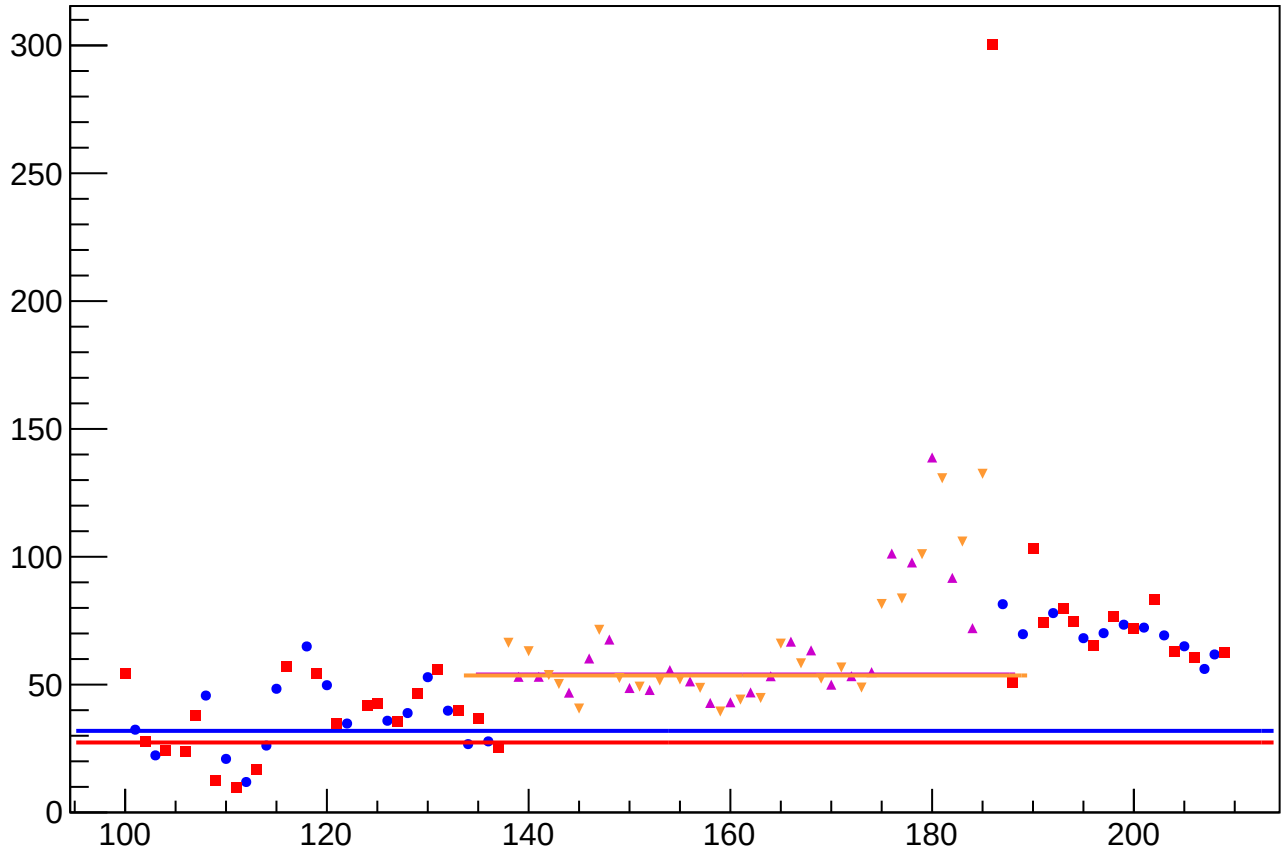
Right Out: 0.001+/-0.009 χ^2/NDF: 37.7/31

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.9/51

All: -0.003+/-0.005 χ^2/NDF: 116.5/106

- sign -0.002+/-0.007 χ^2/NDF: 56.6/54



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 27.366+/-0.006 χ^2/NDF: 11996349.8/31

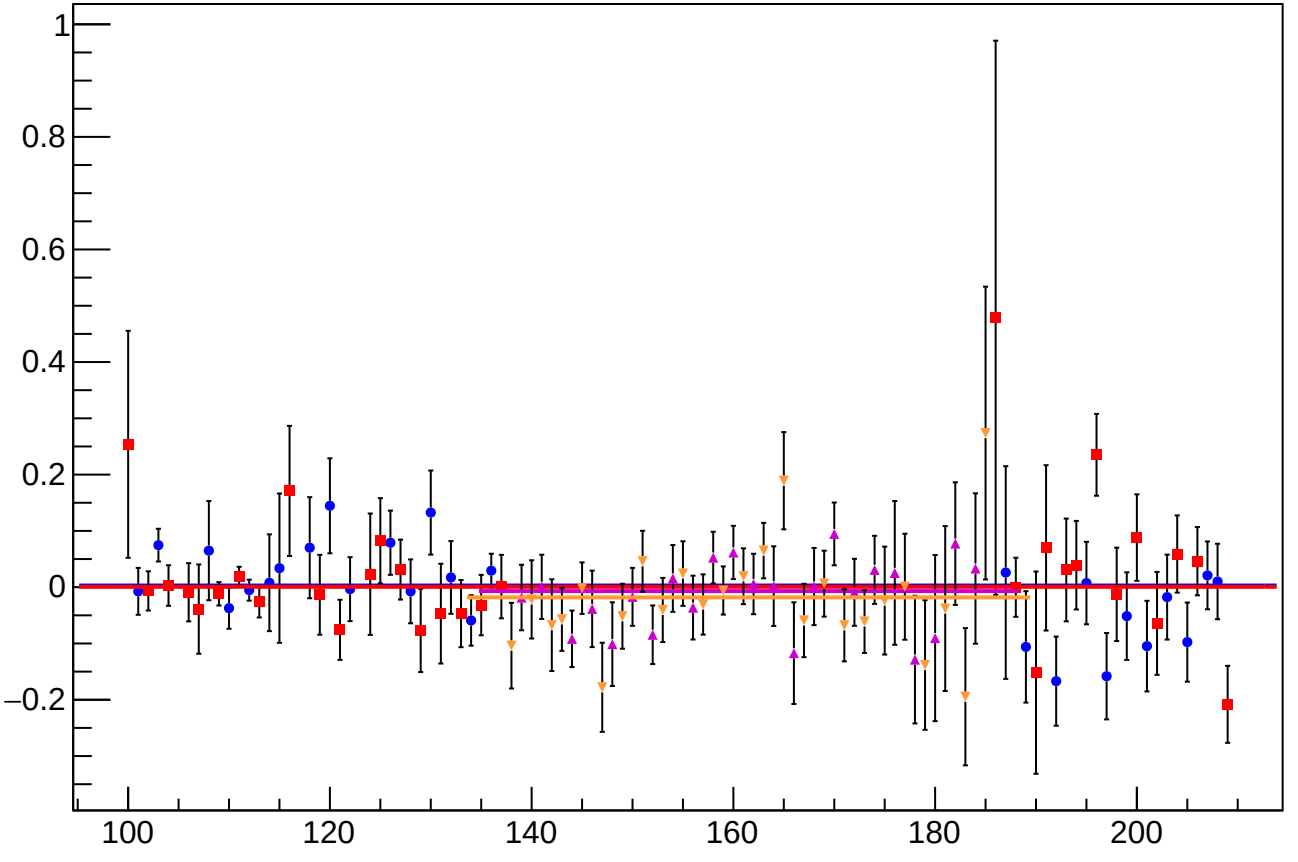
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.751+/-0.005 χ^2/NDF: 14566586.5/51

All: 37.300+/-0.004 χ^2/NDF: 34717621.4/106

- sign 35.185+/-0.005 χ^2/NDF: 19773550.8/54

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.001+/-0.009 χ^2/NDF: 37.7/31

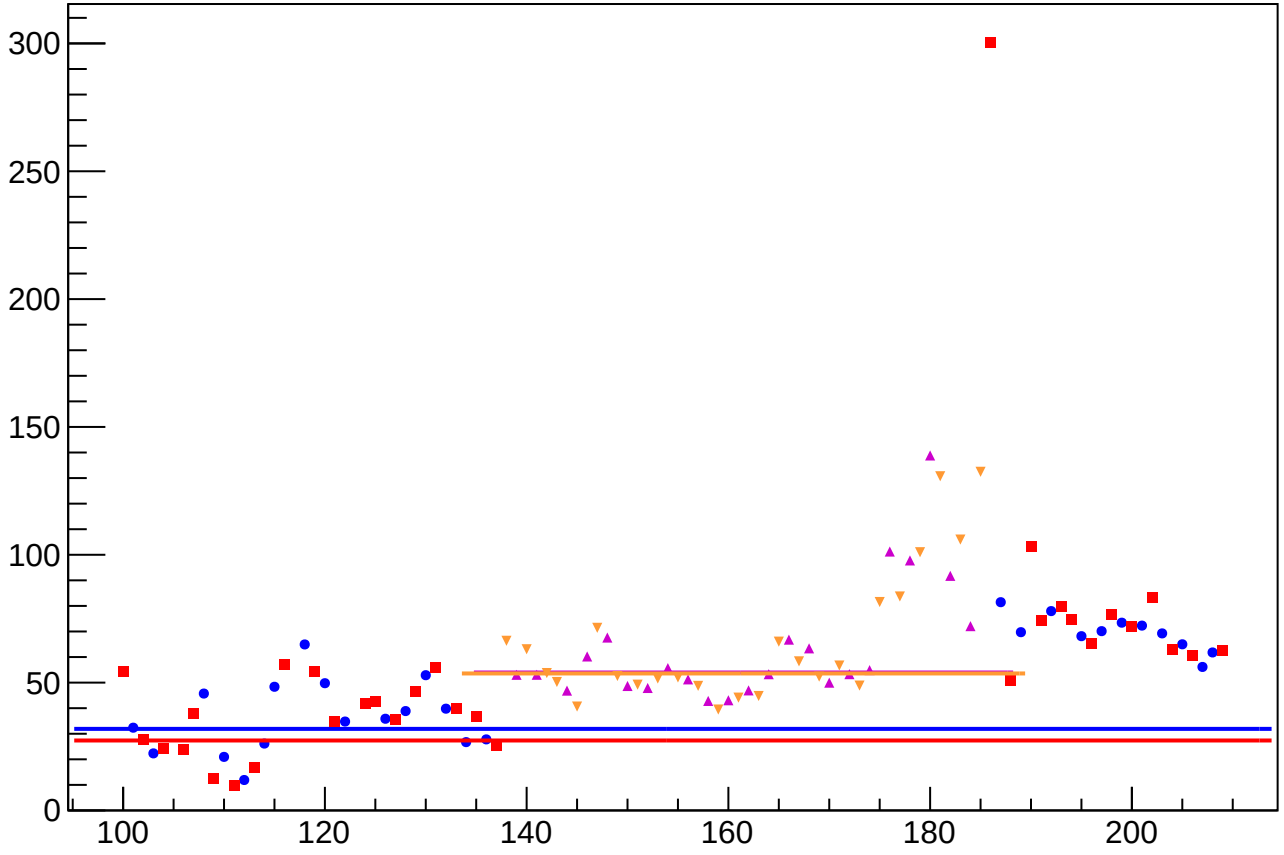
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

\+ sign -0.005+/-0.008 χ^2/NDF: 59.9/51

All: -0.003+/-0.005 χ^2/NDF: 116.5/106

\- sign -0.002+/-0.007 χ^2/NDF: 56.6/54

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

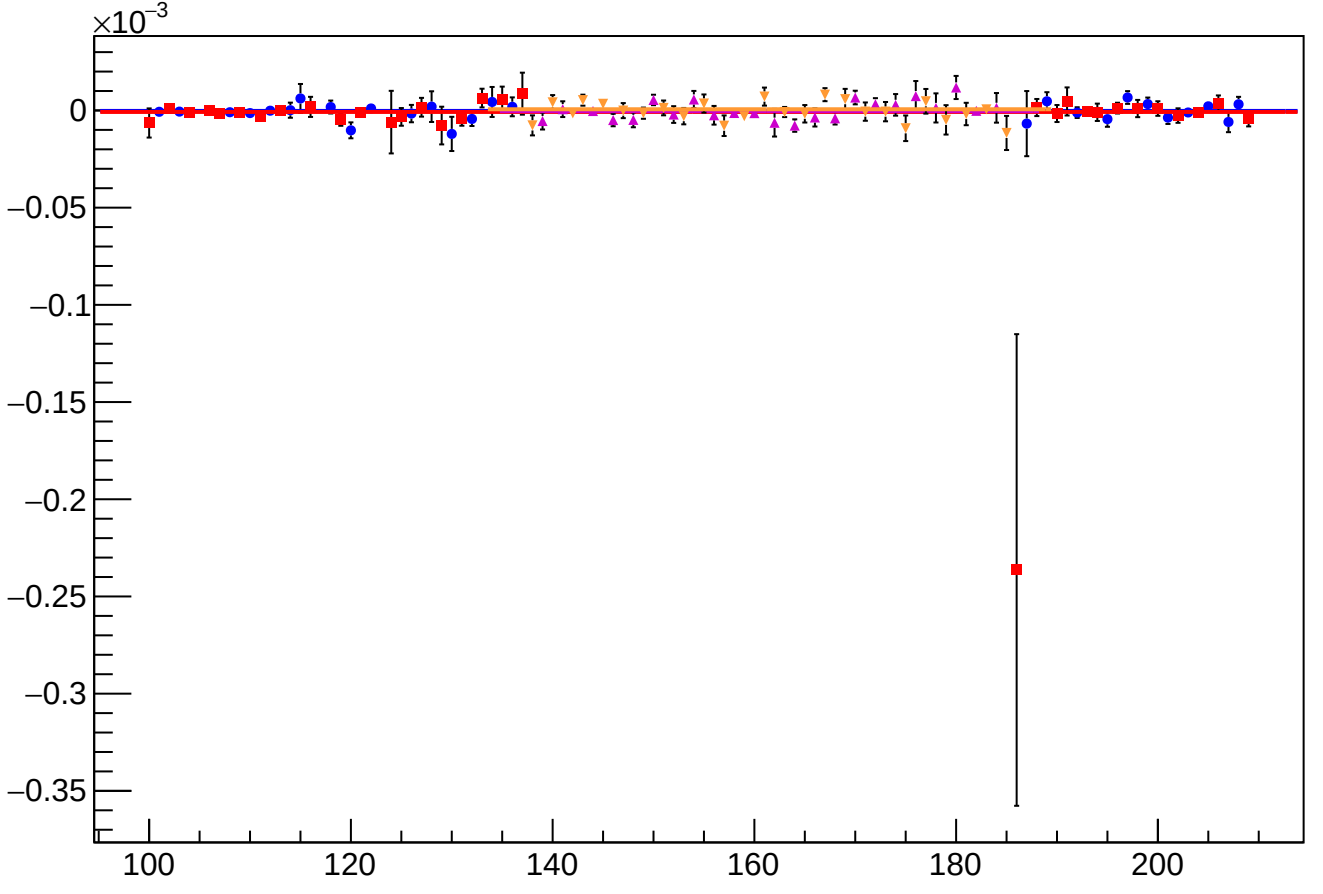
Right Out: 27.366+/-0.006 χ^2/NDF: 11996349.8/31

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.751+/-0.005 χ^2/NDF: 14566586.5/51

All: 37.300+/-0.004 χ^2/NDF: 34717621.4/106

- sign 35.185+/-0.005 χ^2/NDF: 19773550.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/31

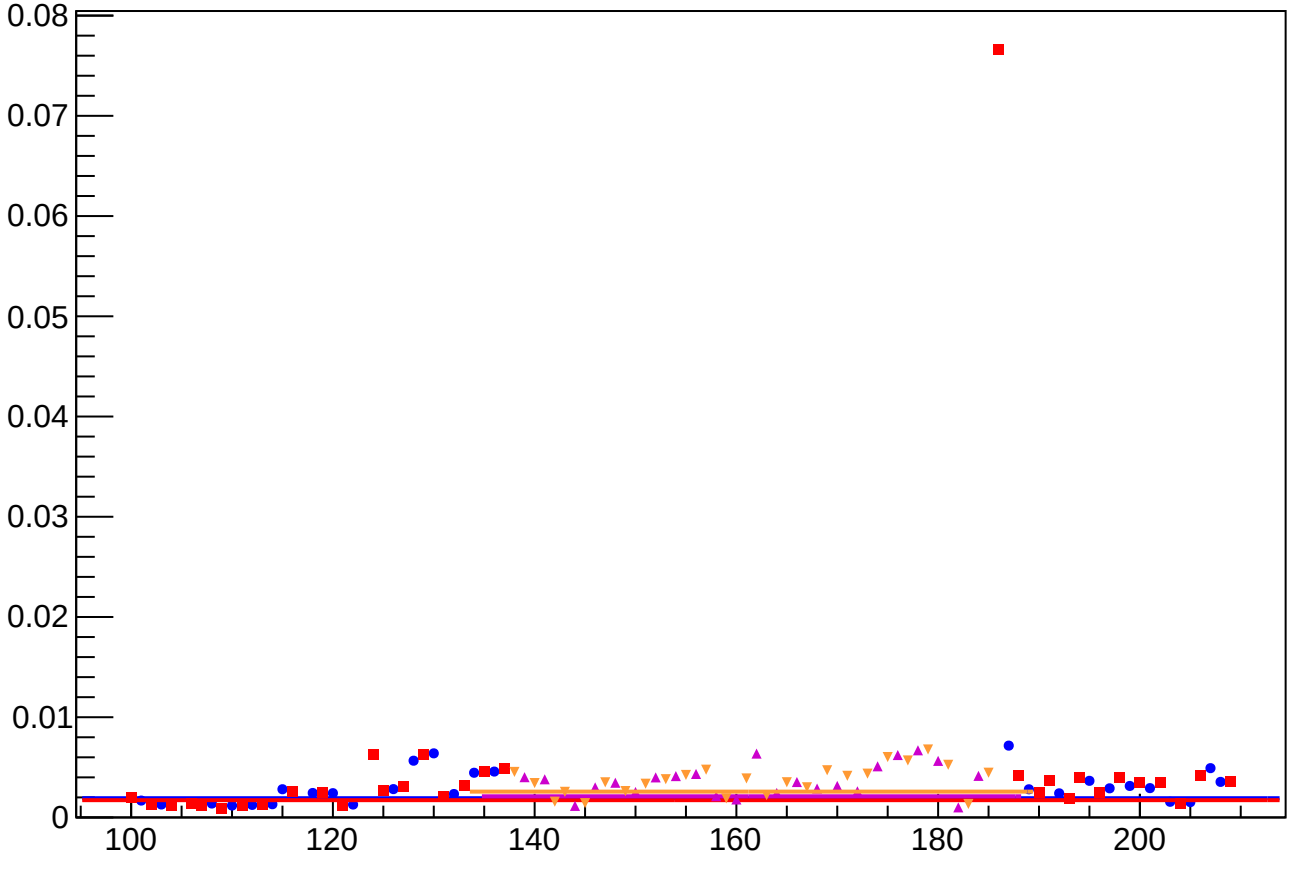
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.7/51

All: -0.000+/-0.000 χ^2/NDF: 108.9/106

- sign -0.000+/-0.000 χ^2/NDF: 50.7/54

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5751528.5/26

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8418804.6/31

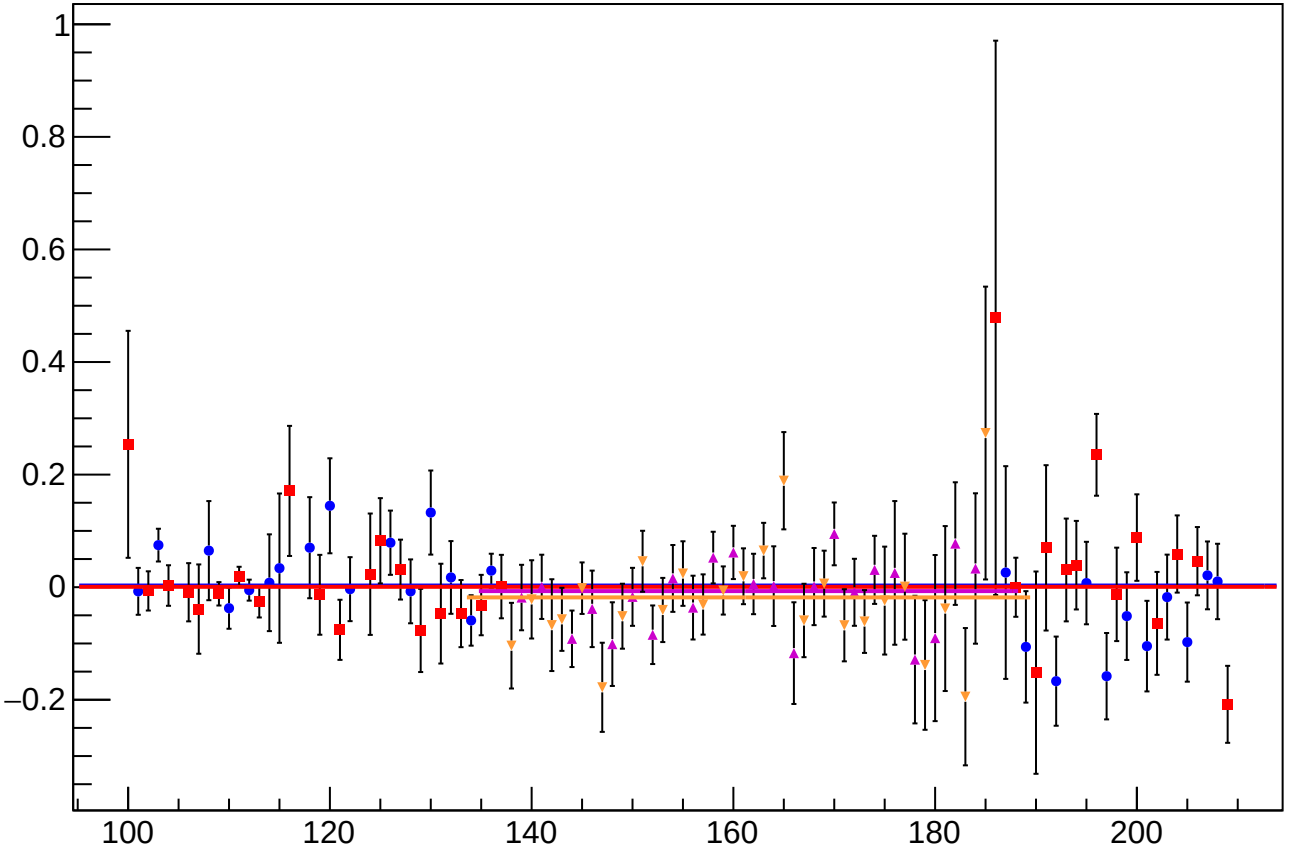
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 14019881.1/51

All: 0.002+/-0.000 χ^2/NDF: 33017067.8/106

- sign 0.002+/-0.000 χ^2/NDF: 18424645.3/54

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.001+/-0.009 χ^2/NDF: 37.7/31

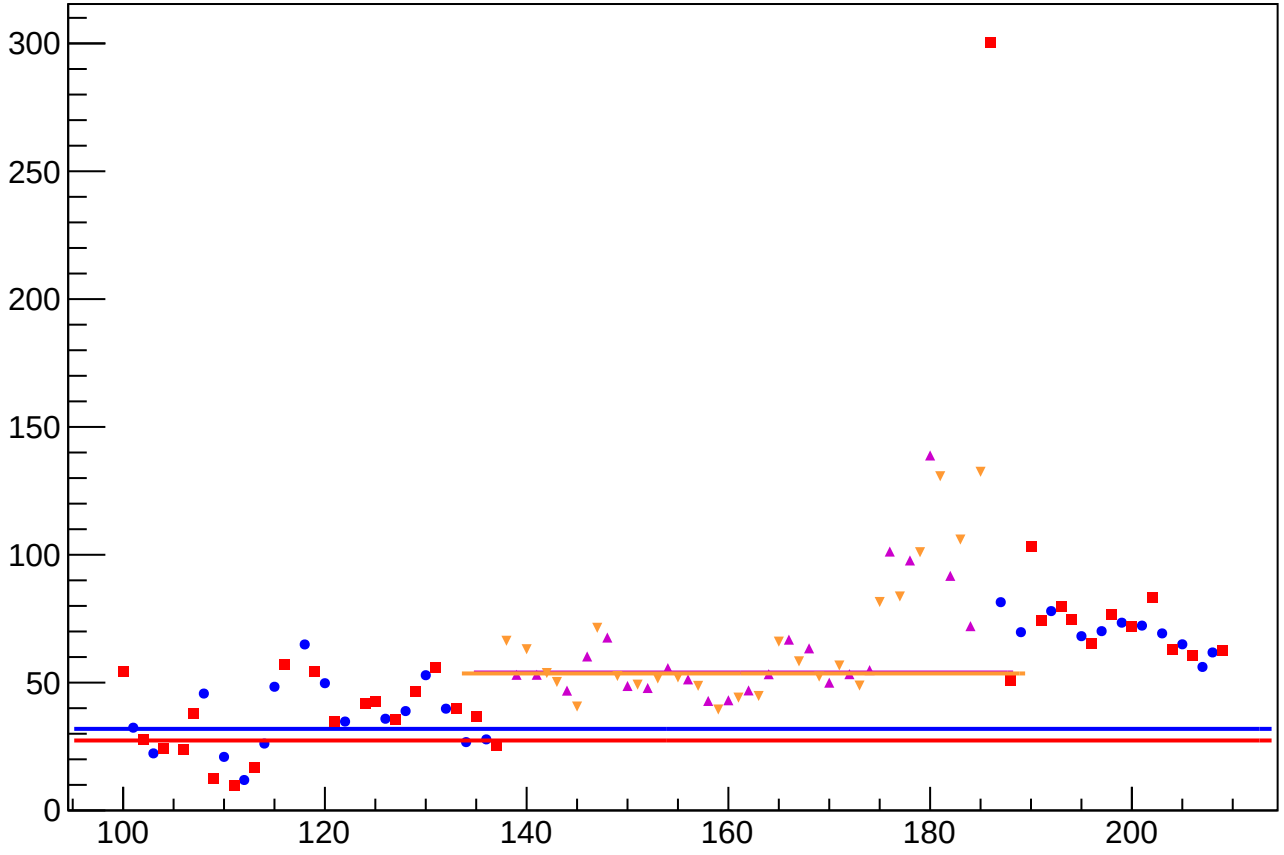
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.8/51

All: -0.003+/-0.005 χ^2/NDF: 116.5/106

- sign -0.002+/-0.007 χ^2/NDF: 56.6/54

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

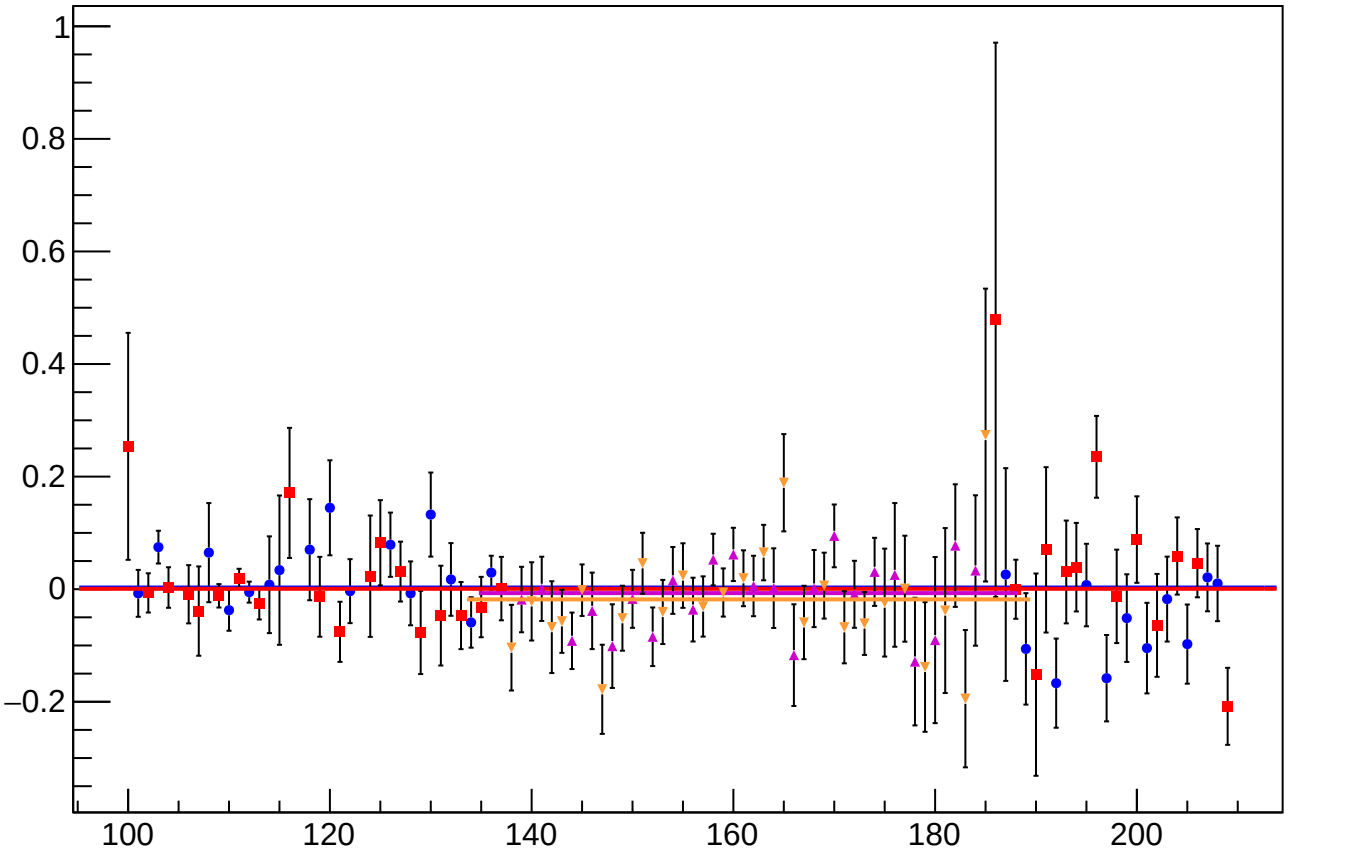
Right Out: 27.365+/-0.006 χ^2/NDF: 11996536.4/31

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.751+/-0.005 χ^2/NDF: 14567053.2/51

All: 37.300+/-0.004 χ^2/NDF: 34718798.0/106

- sign 35.184+/-0.005 χ^2/NDF: 19774231.5/54



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

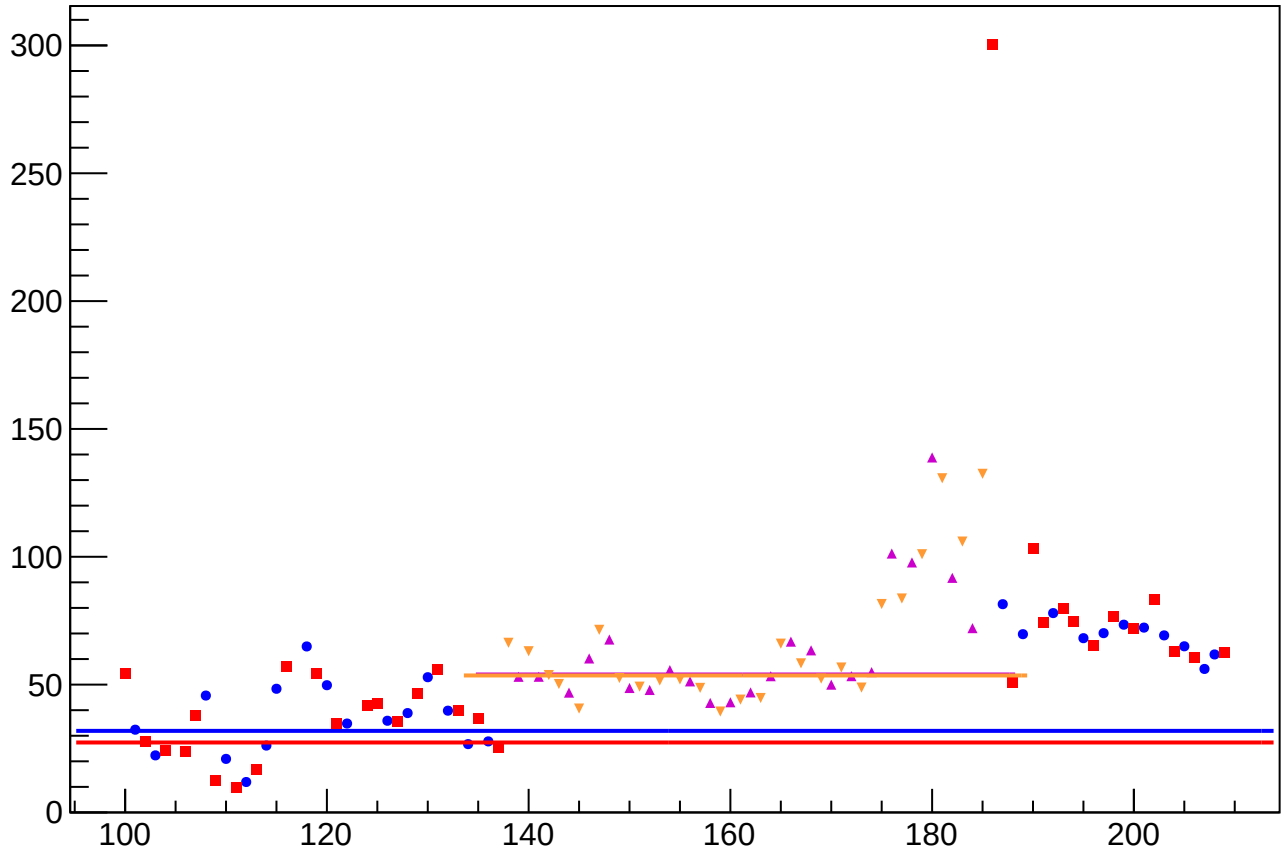
Right Out: 0.001+/-0.009 χ^2/NDF: 37.7/31

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.8/51

All: -0.003+/-0.005 χ^2/NDF: 116.5/106

- sign -0.002+/-0.007 χ^2/NDF: 56.6/54



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

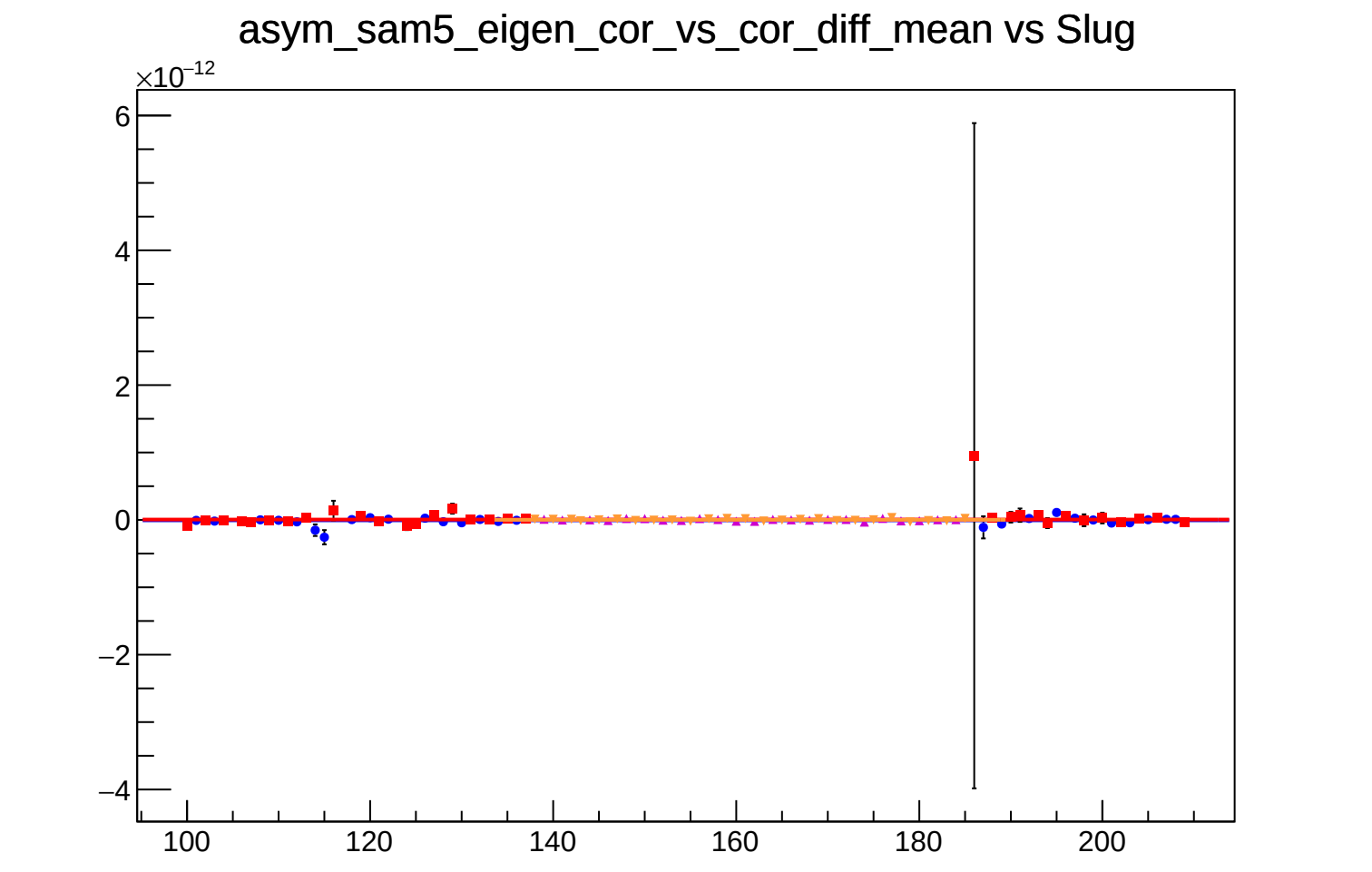
Right Out: 27.365+/-0.006 χ^2/NDF: 11996536.4/31

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.751+/-0.005 χ^2/NDF: 14567053.2/51

All: 37.300+/-0.004 χ^2/NDF: 34718798.0/106

- sign 35.184+/-0.005 χ^2/NDF: 19774231.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

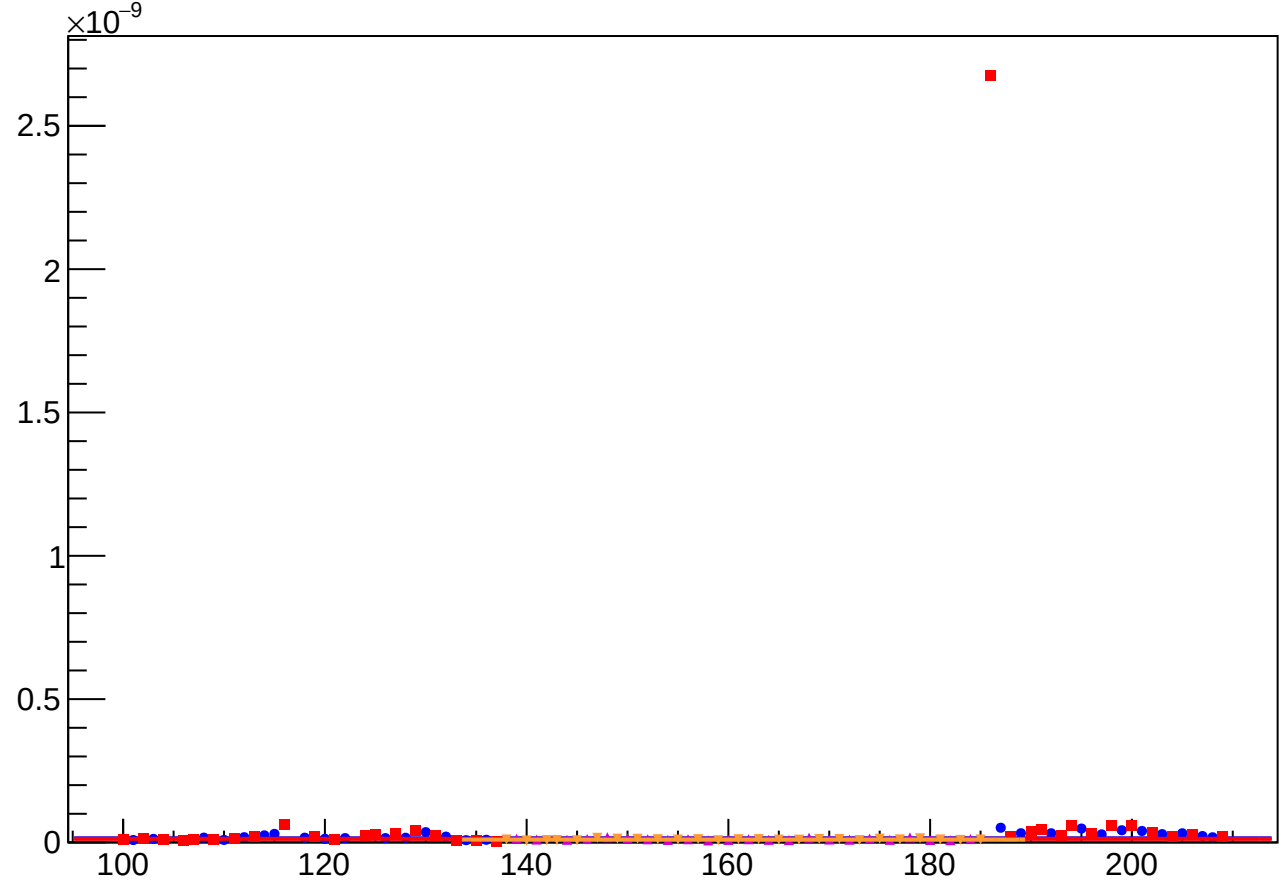
Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/31

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/51

All: 0.000+/-0.000 χ^2/NDF: 109.5/106

- sign 0.000+/-0.000 χ^2/NDF: 57.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 5057756.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8152351.8/31

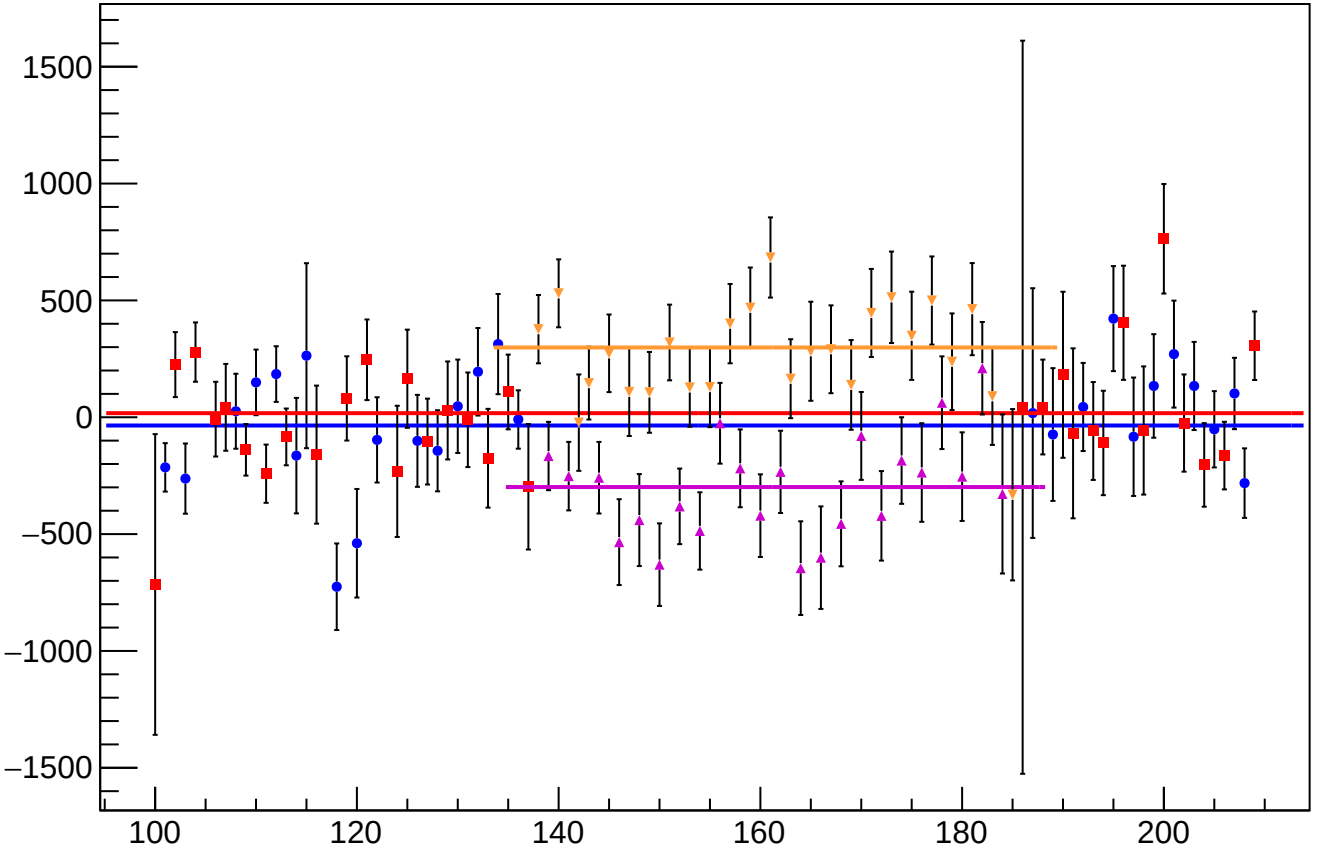
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7478492.4/51

All: 0.000+/-0.000 χ^2/NDF: 17332074.0/106

- sign 0.000+/-0.000 χ^2/NDF: 9853503.5/54

reg_asym_sam6_mean vs Slug



Right In: -35.345+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 17.506+/-32.581 χ^2/NDF: 41.9/31

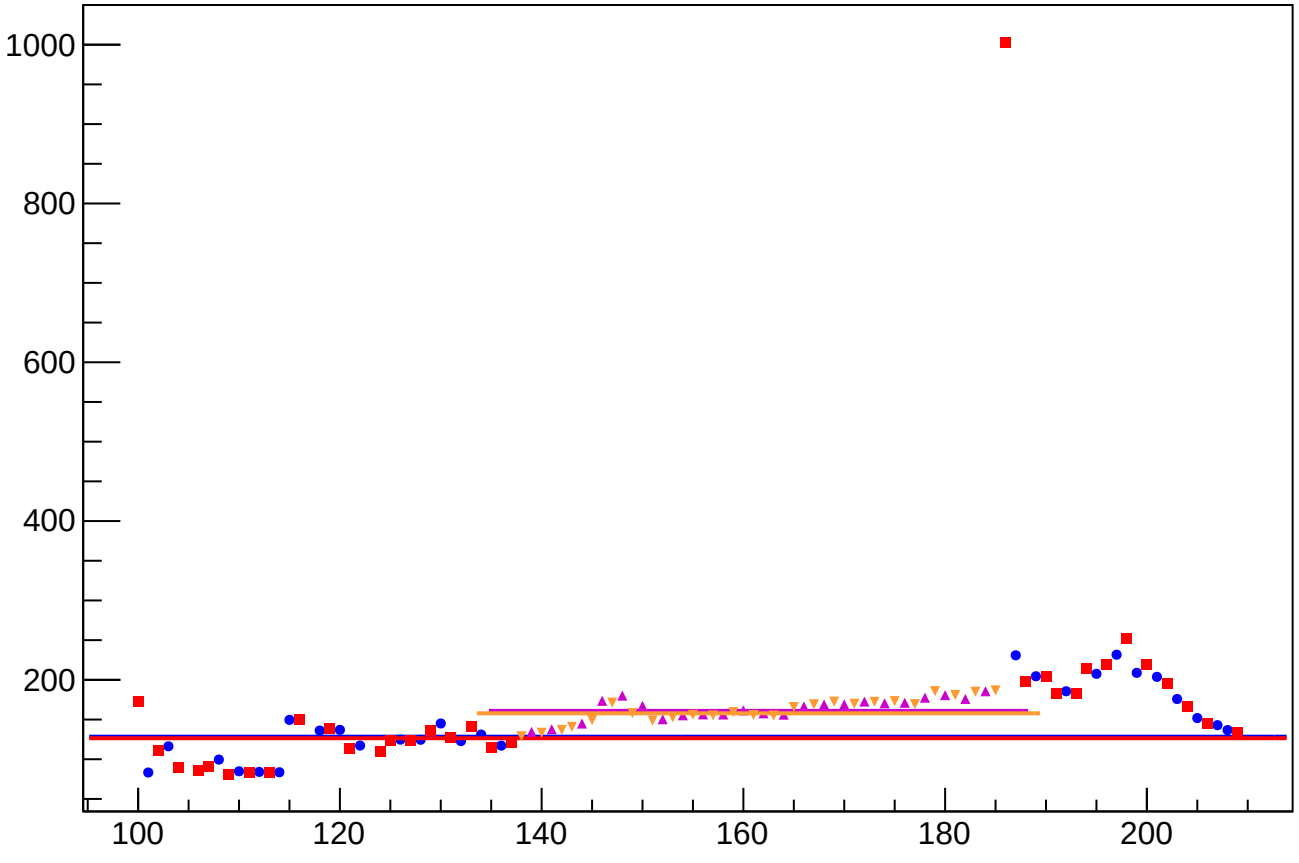
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 121.408+/-24.702 χ^2/NDF: 117.6/51

All: 1.708+/-17.452 χ^2/NDF: 276.0/106

- sign -117.569+/-24.659 χ^2/NDF: 111.5/54

reg_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF: 2701699.5/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.457+/-0.023 χ^2/NDF: 4162392.1/31

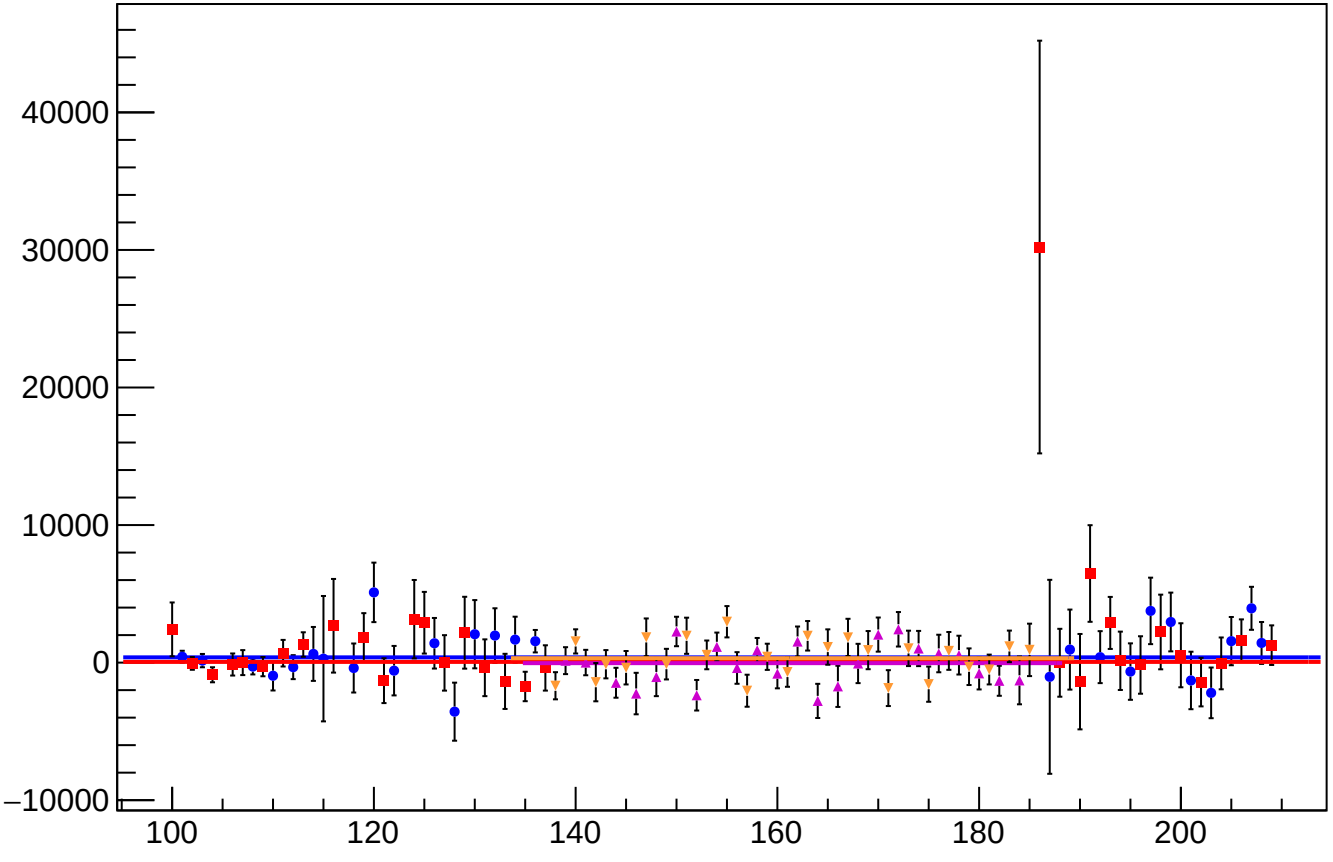
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF: 3786483.4/51

All: 141.689+/-0.012 χ^2/NDF: 9172430.5/106

- sign 141.161+/-0.017 χ^2/NDF: 5384110.0/54

asym_sam6_reg_correction_mean vs Slug



Right In: 382.597+/-215.510 χ^2/NDF: 29.2/26

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 51.841+/-215.852 χ^2/NDF: 29.4/31

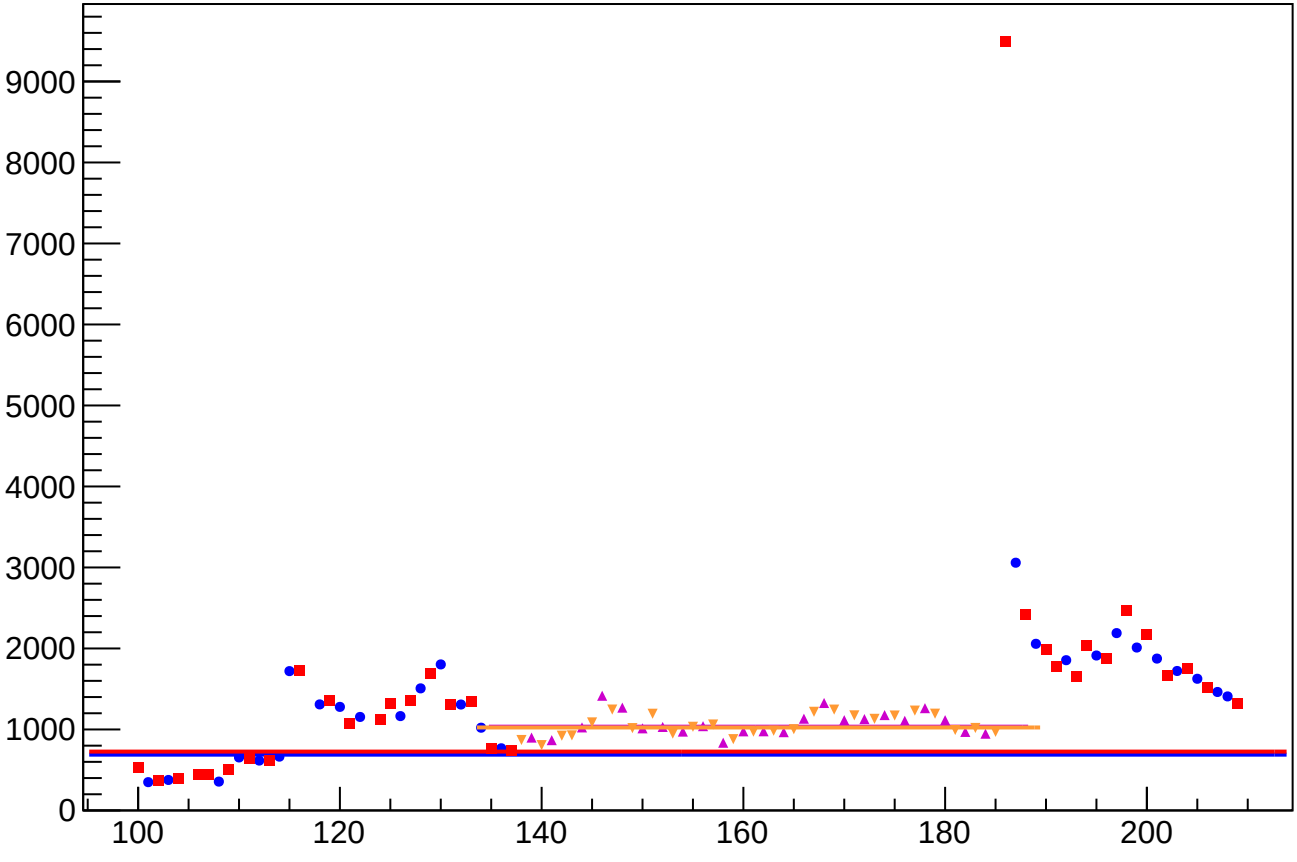
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 353.989+/-158.858 χ^2/NDF: 61.7/51

All: 185.995+/-113.327 χ^2/NDF: 128.2/106

- sign 11.902+/-161.716 χ^2/NDF: 64.2/54

asym_sam6_reg_correction_rms vs Slug



Right In: 688.975+/-0.152 χ^2/NDF: 10975853.6/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 726.737+/-0.153 χ^2/NDF: 11643756.1/31

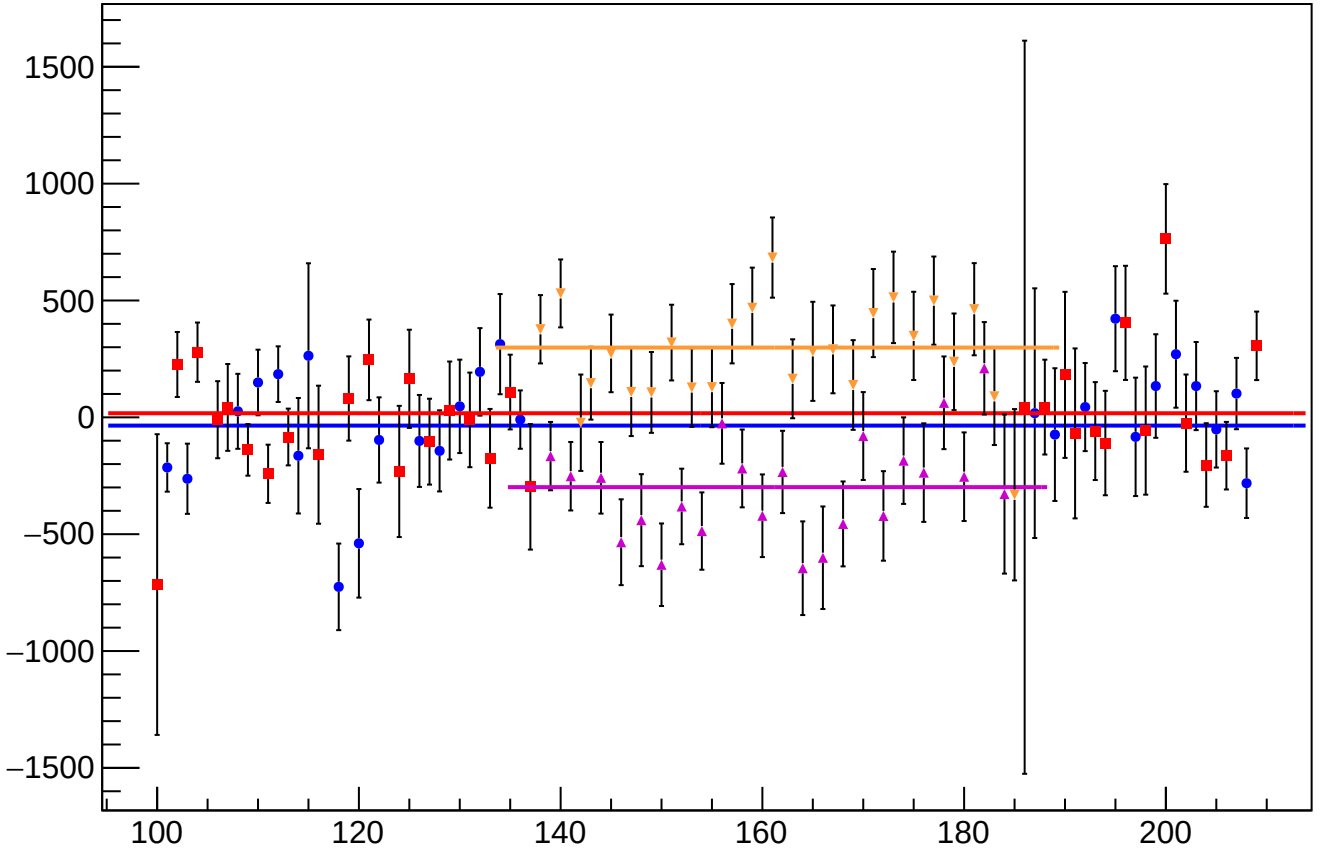
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 842.186+/-0.112 χ^2/NDF: 13787098.5/51

All: 851.780+/-0.080 χ^2/NDF: 27857042.7/10

- sign 861.722+/-0.114 χ^2/NDF: 14055091.7/54

cor_asym_sam6_mean vs Slug



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 17.518+/-32.623 χ^2/NDF: 41.9/31

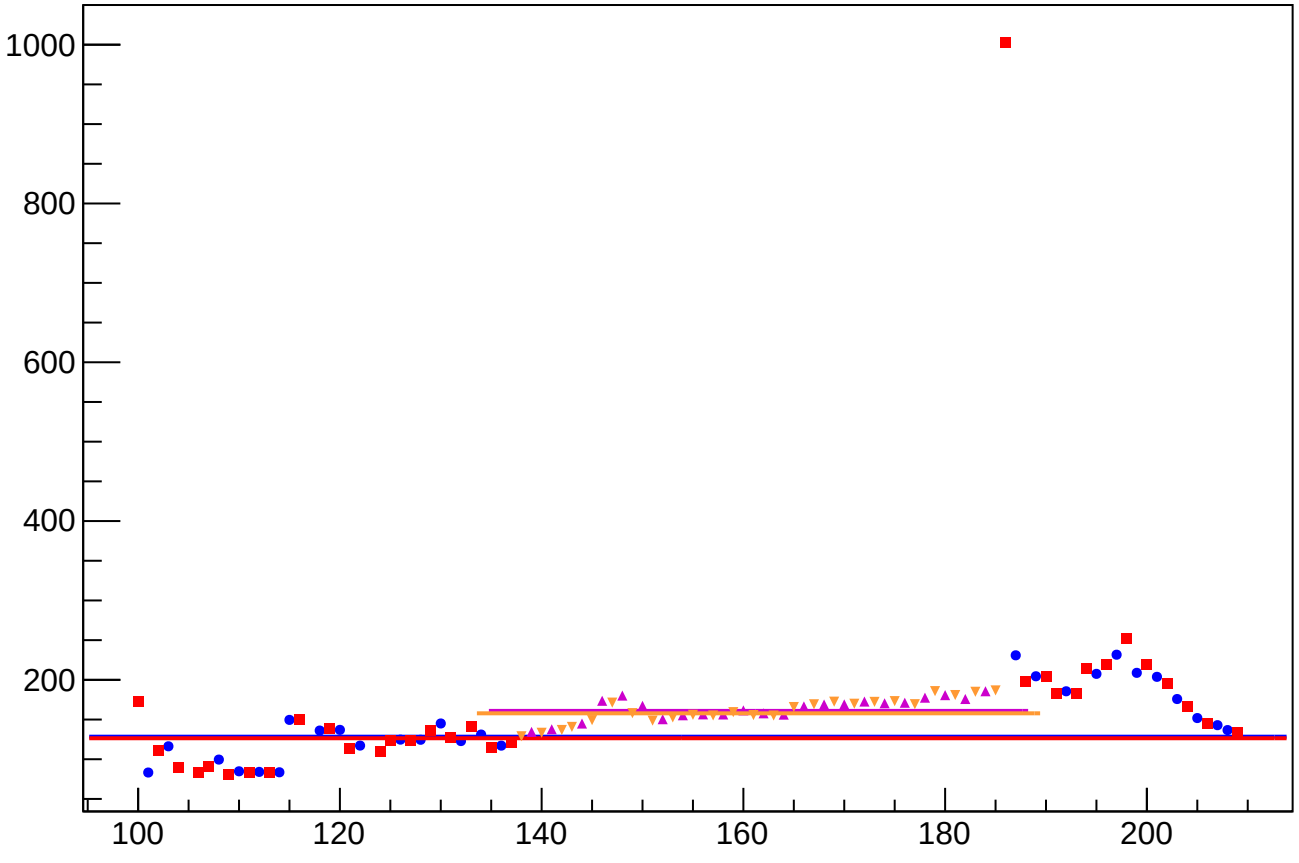
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 121.399+/-24.702 χ^2/NDF: 117.6/51

All: 1.694+/-17.458 χ^2/NDF: 276.0/106

- sign -117.761+/-24.676 χ^2/NDF: 111.5/54

cor_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.437+/-0.023 χ^2/NDF: 4174084.5/31

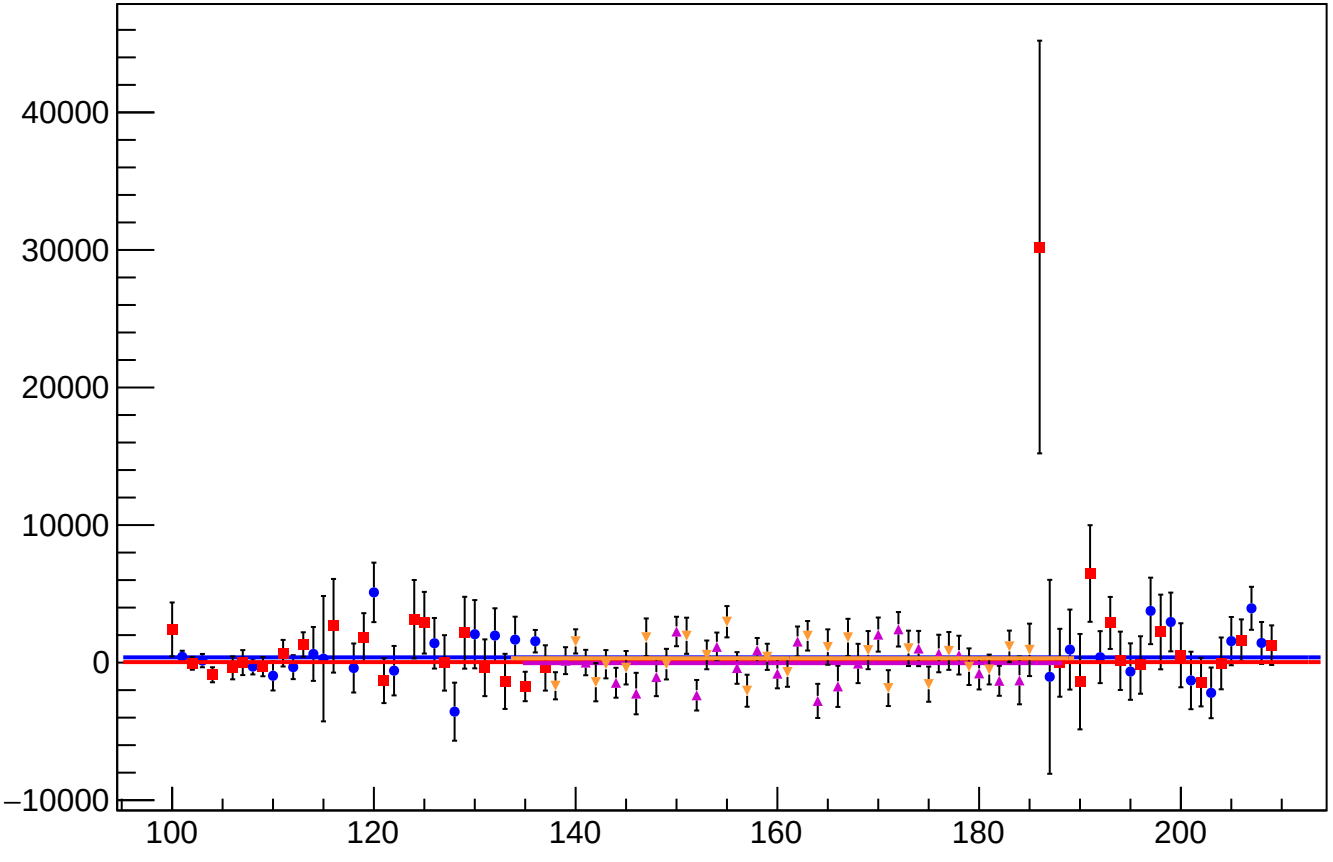
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF: 3786479.2/51

All: 141.694+/-0.012 χ^2/NDF: 9184191.2/106

- sign 141.170+/-0.017 χ^2/NDF: 5395909.1/54

asym_sam6_cor_correction_mean vs Slug



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 37.122+/-216.355 χ^2/NDF: 29.6/31

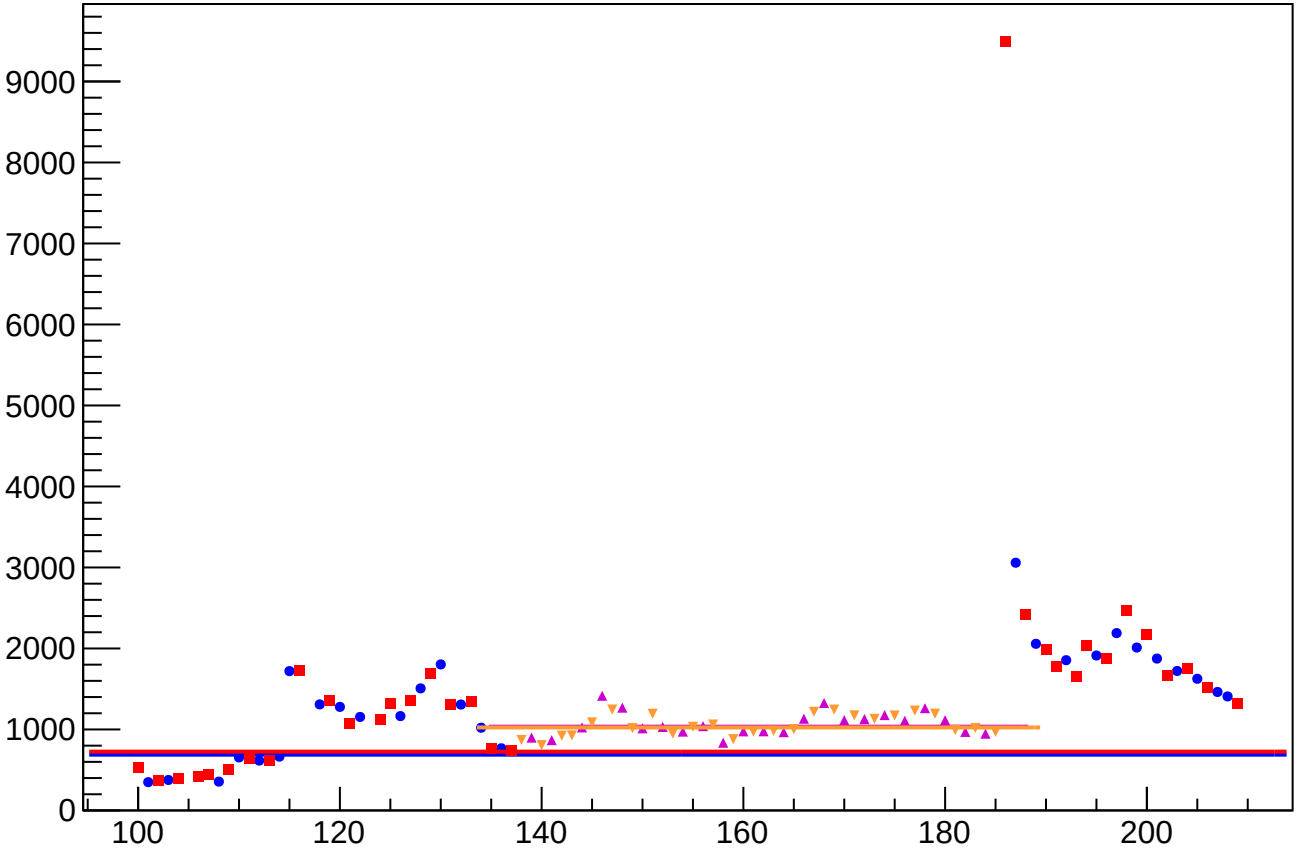
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 354.056+/-158.856 χ^2/NDF: 61.7/51

All: 182.160+/-113.398 χ^2/NDF: 128.5/106

\- sign 3.553+/-161.927 χ^2/NDF: 64.4/54

asym_sam6_cor_correction_rms vs Slug



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 726.141+/-0.153 χ^2/NDF: 11677258.4/31

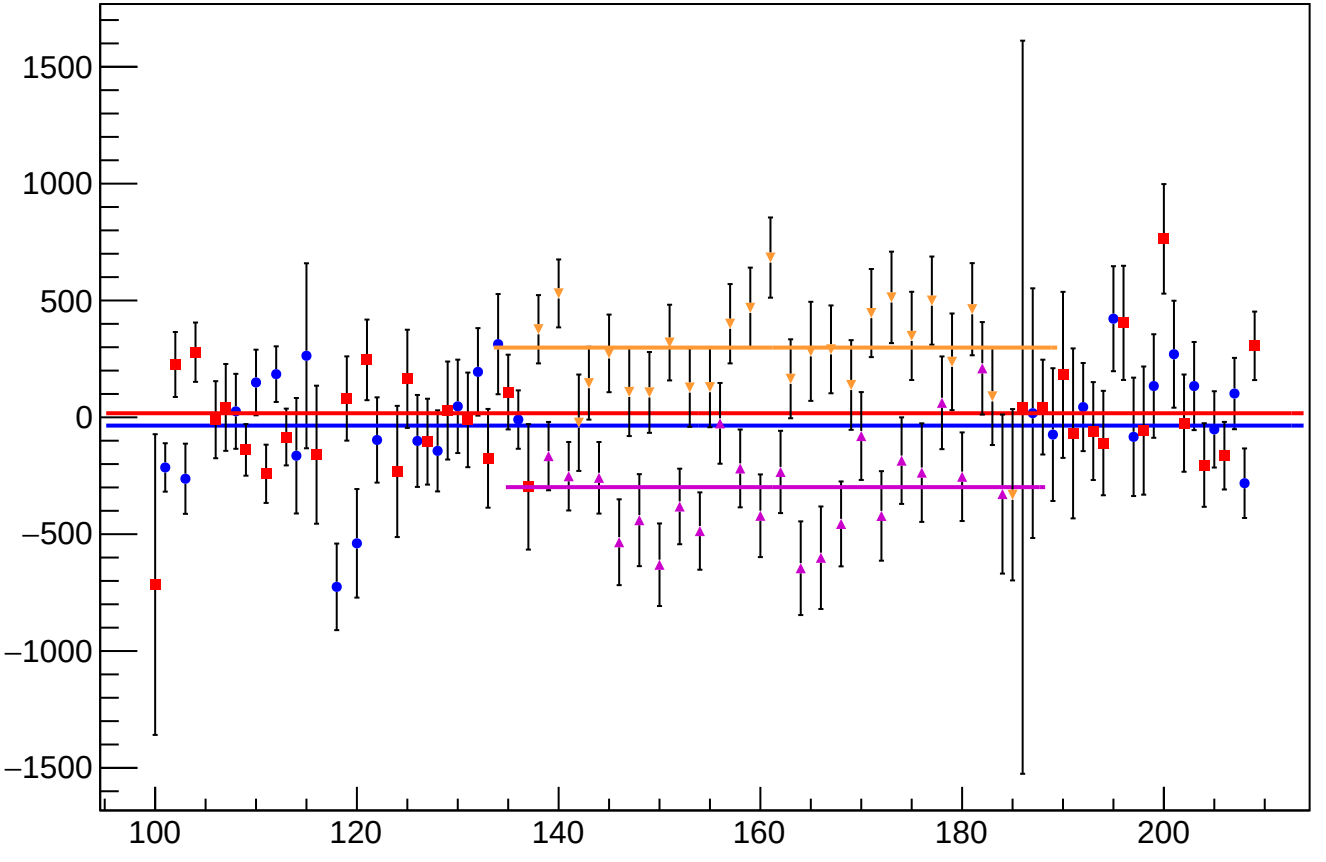
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 842.167+/-0.112 χ^2/NDF: 13788017.9/51

All: 851.767+/-0.080 χ^2/NDF: 27894750.3/10

- sign 861.741+/-0.114 χ^2/NDF: 14091840.5/54

eigen_cor_asym_sam6_mean vs Slug



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 17.518+/-32.623 χ^2/NDF: 41.9/31

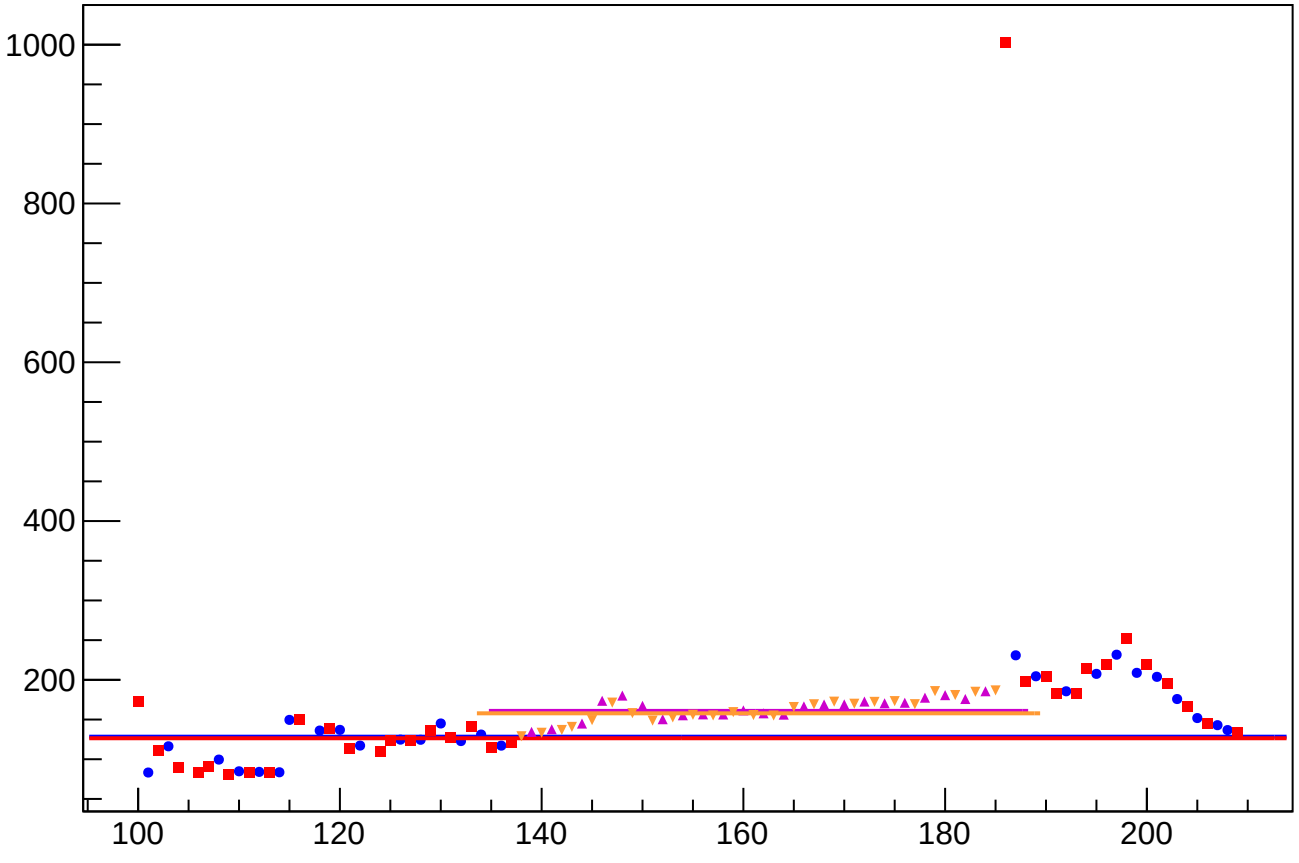
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 121.399+/-24.702 χ^2/NDF: 117.6/51

All: 1.694+/-17.458 χ^2/NDF: 276.0/106

- sign -117.761+/-24.676 χ^2/NDF: 111.5/54

eigen_cor_asym_sam6_rms vs Slug



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.437+/-0.023 χ^2/NDF: 4174084.5/31

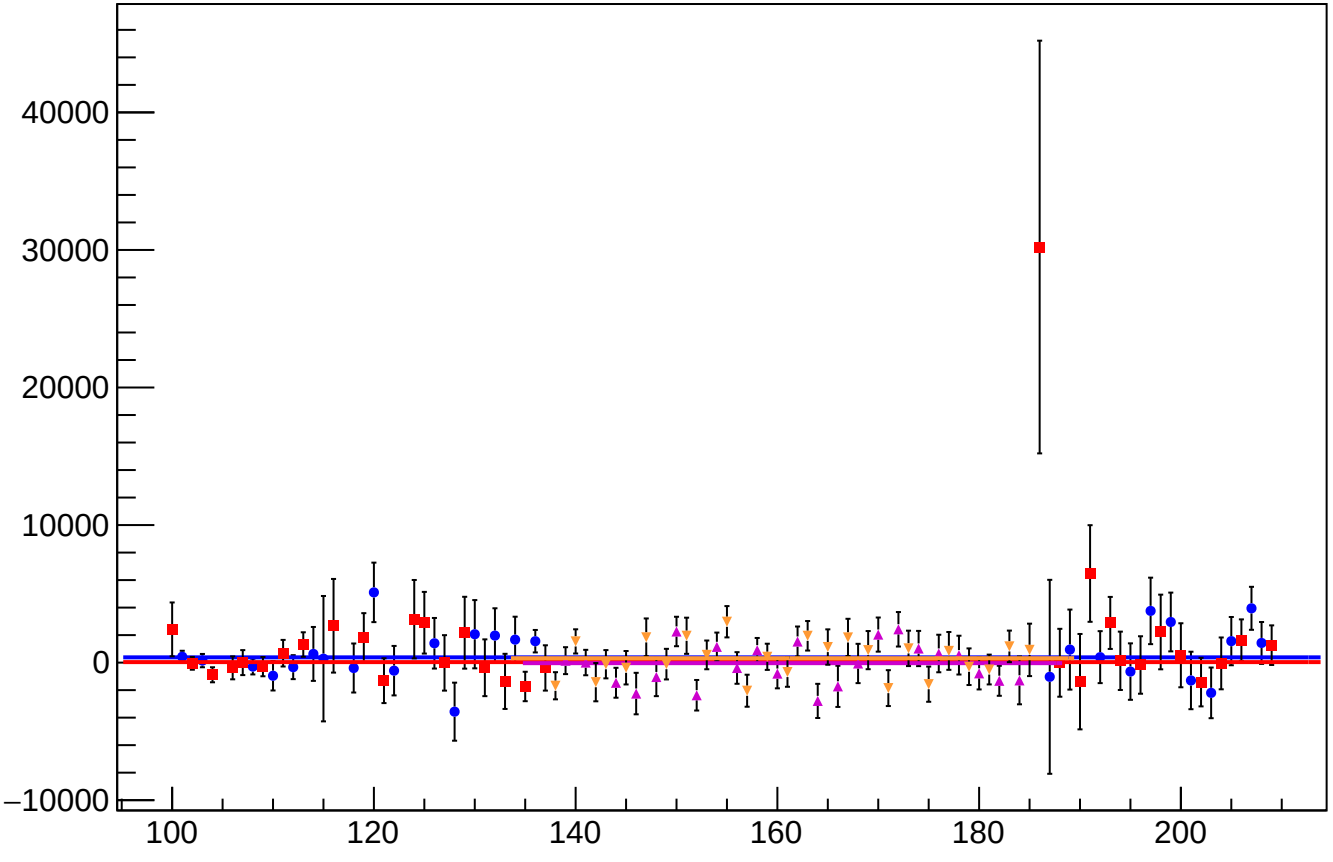
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.218+/-0.017 χ^2/NDF: 3786479.2/51

All: 141.694+/-0.012 χ^2/NDF: 9184191.2/106

- sign 141.170+/-0.017 χ^2/NDF: 5395909.1/54

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 37.122+/-216.355 χ^2/NDF: 29.6/31

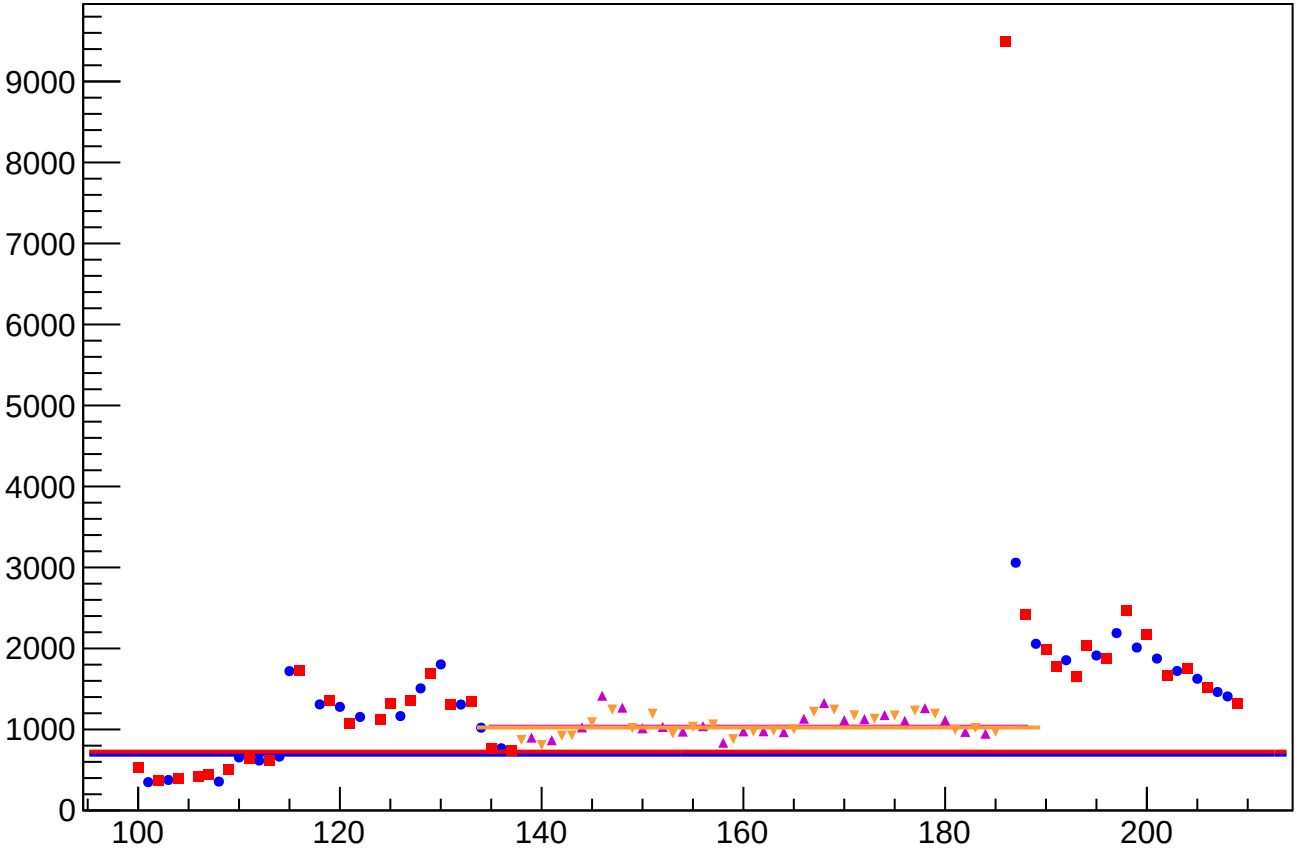
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 354.056+/-158.856 χ^2/NDF: 61.7/51

All: 182.160+/-113.398 χ^2/NDF: 128.5/106

\- sign 3.553+/-161.927 χ^2/NDF: 64.4/54

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 726.141+/-0.153 χ^2/NDF: 11677258.4/31

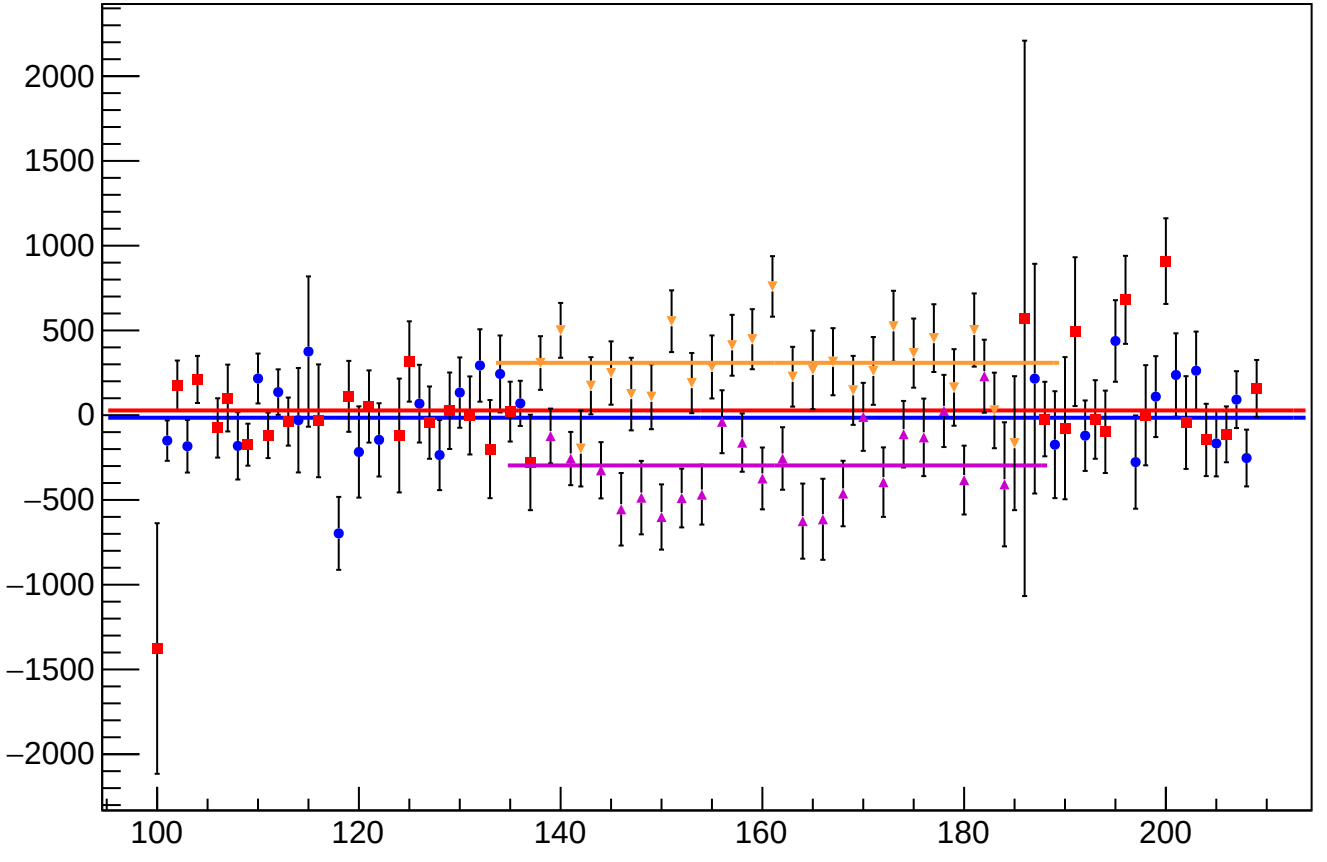
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 842.167+/-0.112 χ^2/NDF: 13788017.9/51

All: 851.767+/-0.080 χ^2/NDF: 27894750.3/10

- sign 861.741+/-0.114 χ^2/NDF: 14091840.5/54

dit_asym_sam6_mean vs Slug



Right In: -14.991+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 27.956+/-36.670 χ^2/NDF: 37.0/31

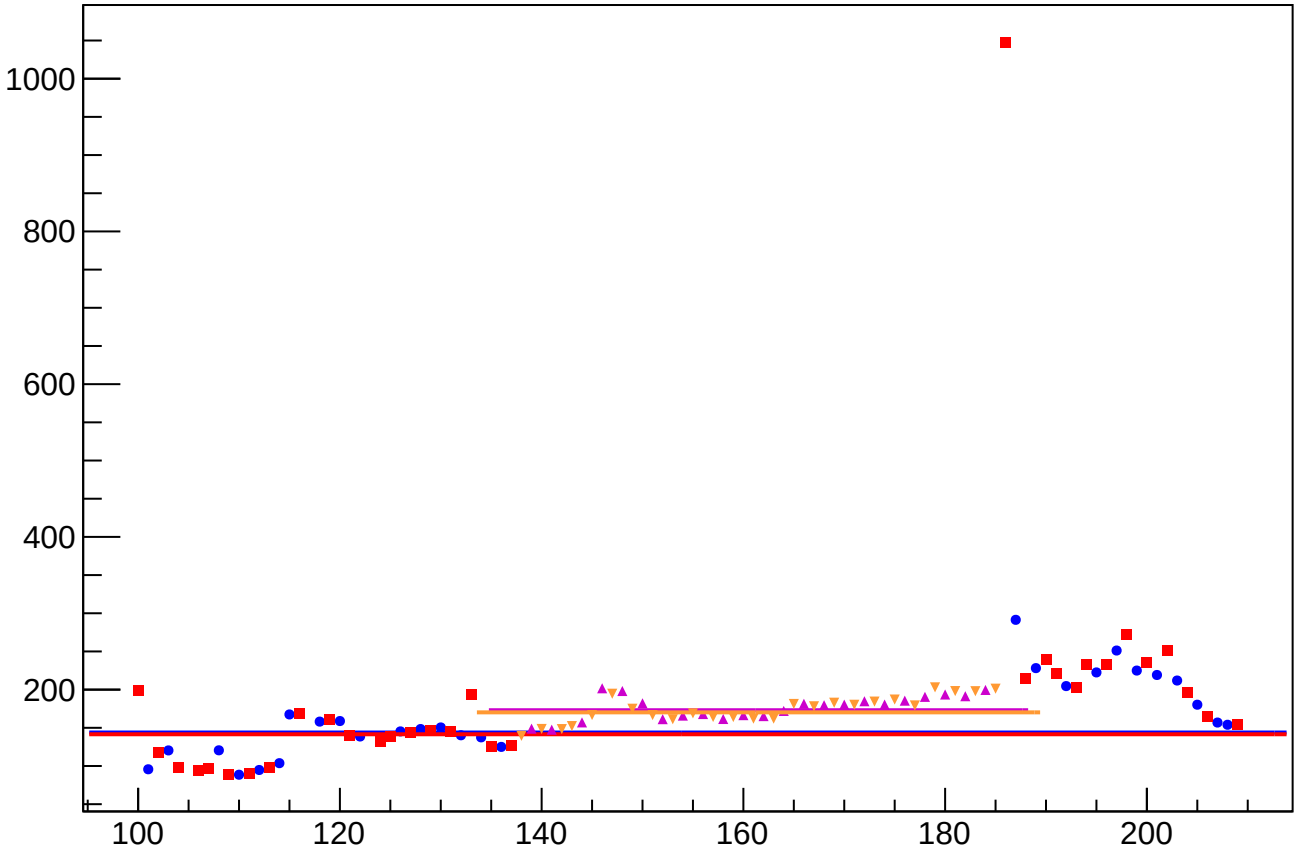
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 143.408+/-27.199 χ^2/NDF: 96.1/51

All: 12.892+/-19.238 χ^2/NDF: 242.1/106

- sign -117.783+/-27.215 χ^2/NDF: 99.9/54

dit_asym_sam6_rms vs Slug



Right In: 143.841+/-0.027 χ^2/NDF: 2659362.2/26

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 141.552+/-0.026 χ^2/NDF: 4342322.3/31

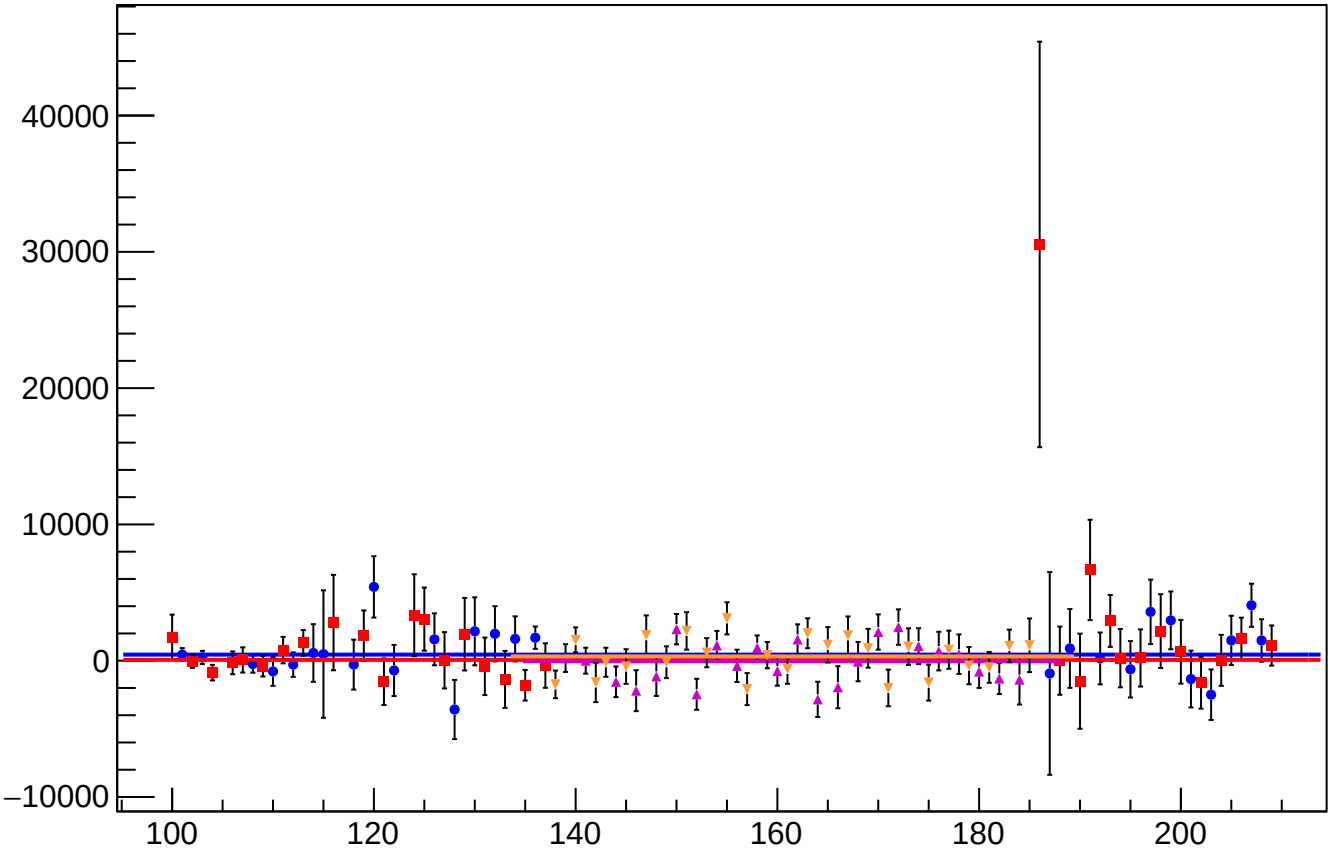
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.747+/-0.019 χ^2/NDF: 3496470.0/51

All: 156.218+/-0.014 χ^2/NDF: 8795736.7/106

- sign 155.689+/-0.019 χ^2/NDF: 5297754.7/54

asym_sam6_dit_correction_mean vs Slug



Right In: 446.372+/-224.571 χ^2/NDF: 29.2/26

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 62.549+/-223.072 χ^2/NDF: 28.4/31

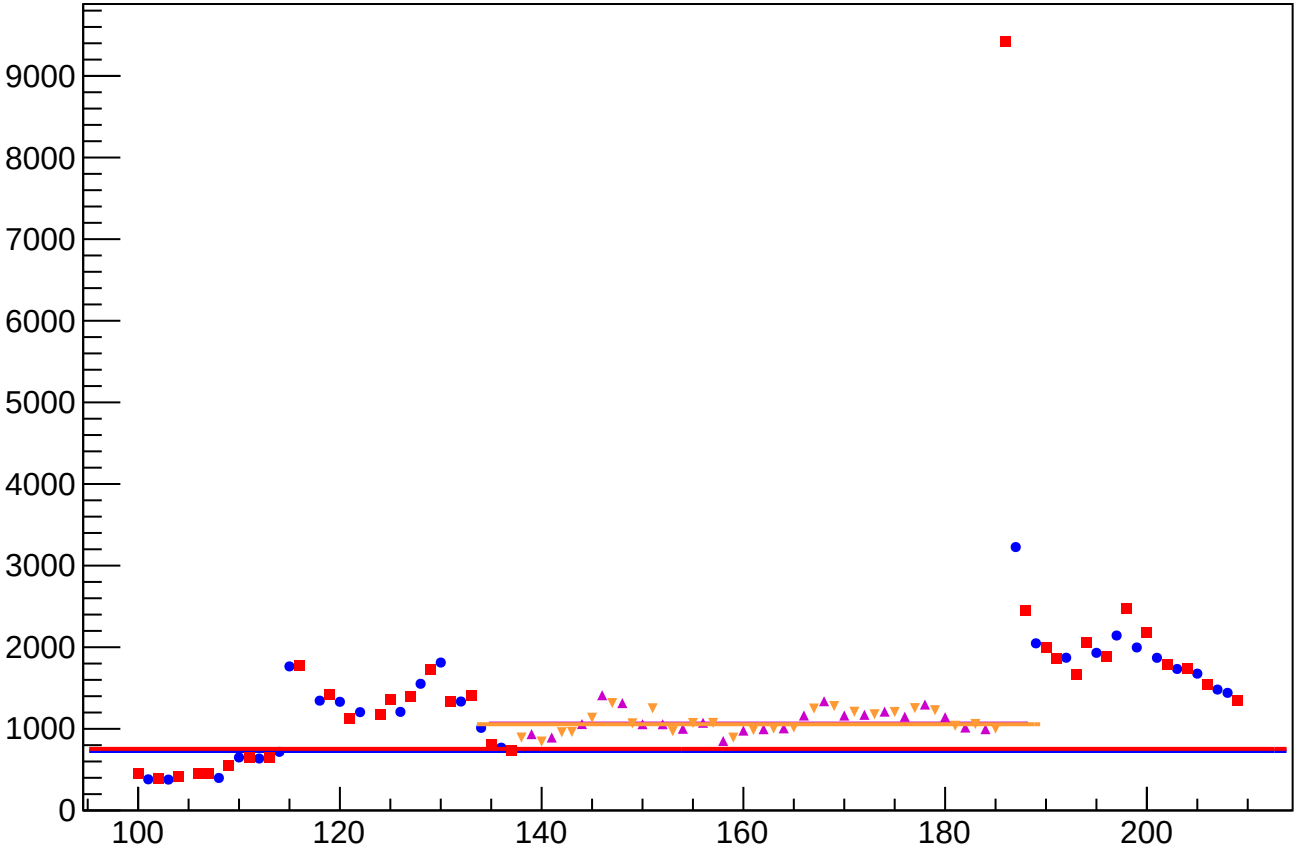
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 385.067+/-164.739 χ^2/NDF: 62.3/51

All: 201.932+/-117.214 χ^2/NDF: 127.7/106

- sign 14.158+/-166.813 χ^2/NDF: 62.9/54

asym_sam6_dit_correction_rms vs Slug



Right In: 728.434+/-0.159 χ^2/NDF: 10409901.0/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 754.581+/-0.158 χ^2/NDF: 11467050.4/31

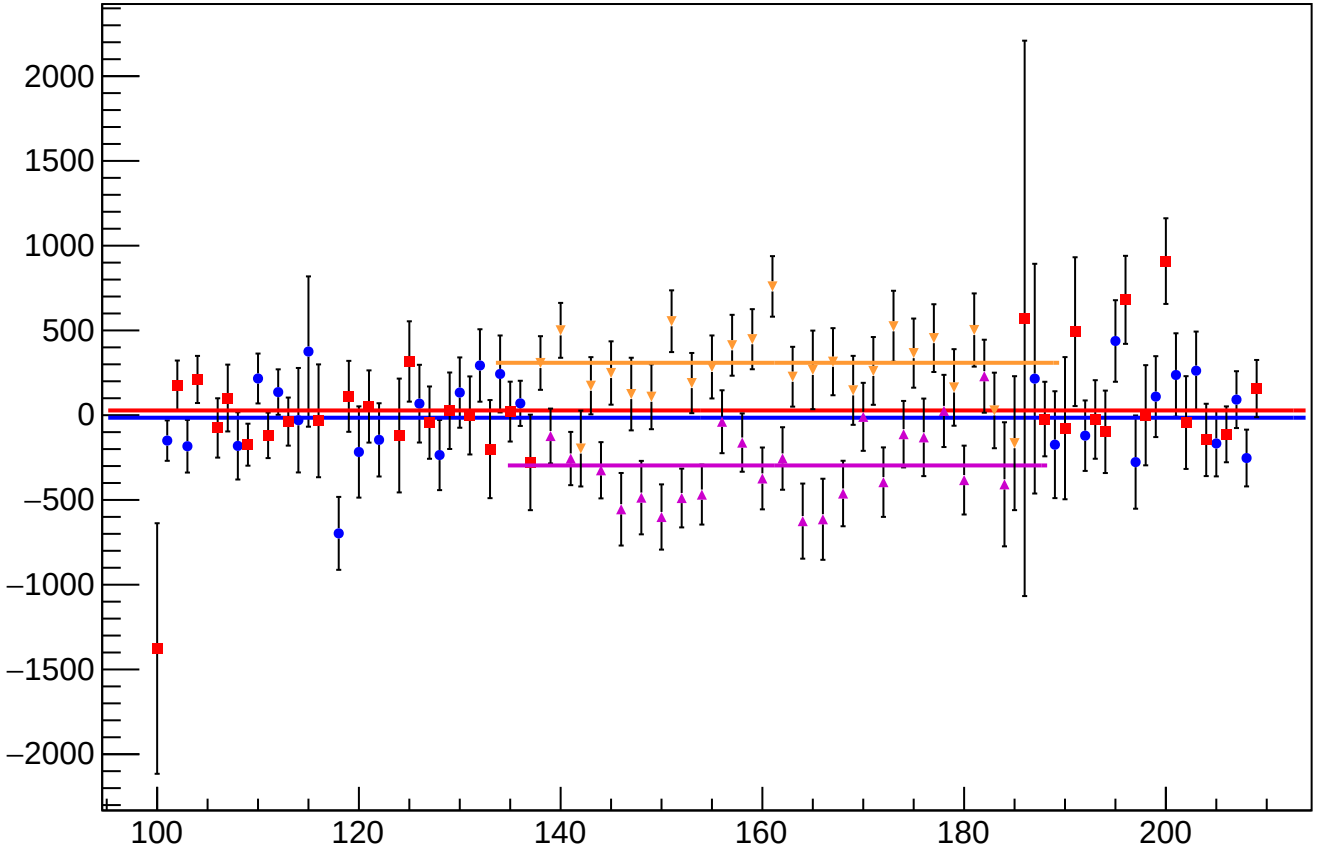
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 879.879+/-0.116 χ^2/NDF: 12989904.9/51

All: 885.507+/-0.083 χ^2/NDF: 26776514.9/10

- sign 891.277+/-0.118 χ^2/NDF: 13781882.8/54

eigen_dit_asym_sam6_mean vs Slug



Right In: -14.993+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 27.956+/-36.670 χ^2/NDF: 37.0/31

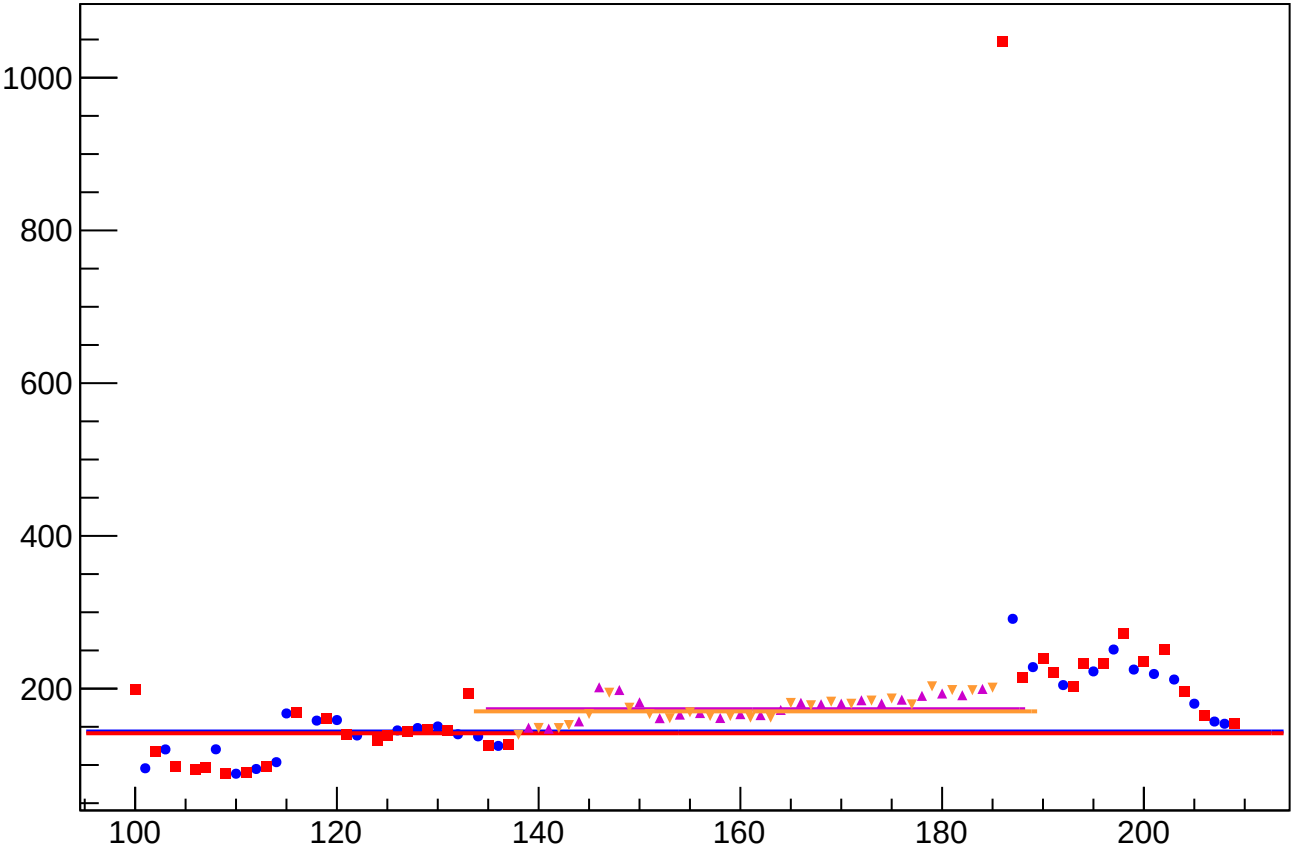
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 143.408+/-27.199 χ^2/NDF: 96.1/51

All: 12.892+/-19.238 χ^2/NDF: 242.1/106

- sign -117.783+/-27.215 χ^2/NDF: 99.9/54

eigen_dit_asym_sam6_rms vs Slug



Right In: 143.841+/-0.027 χ^2/NDF: 2659380.4/26

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 141.552+/-0.026 χ^2/NDF: 4342328.3/31

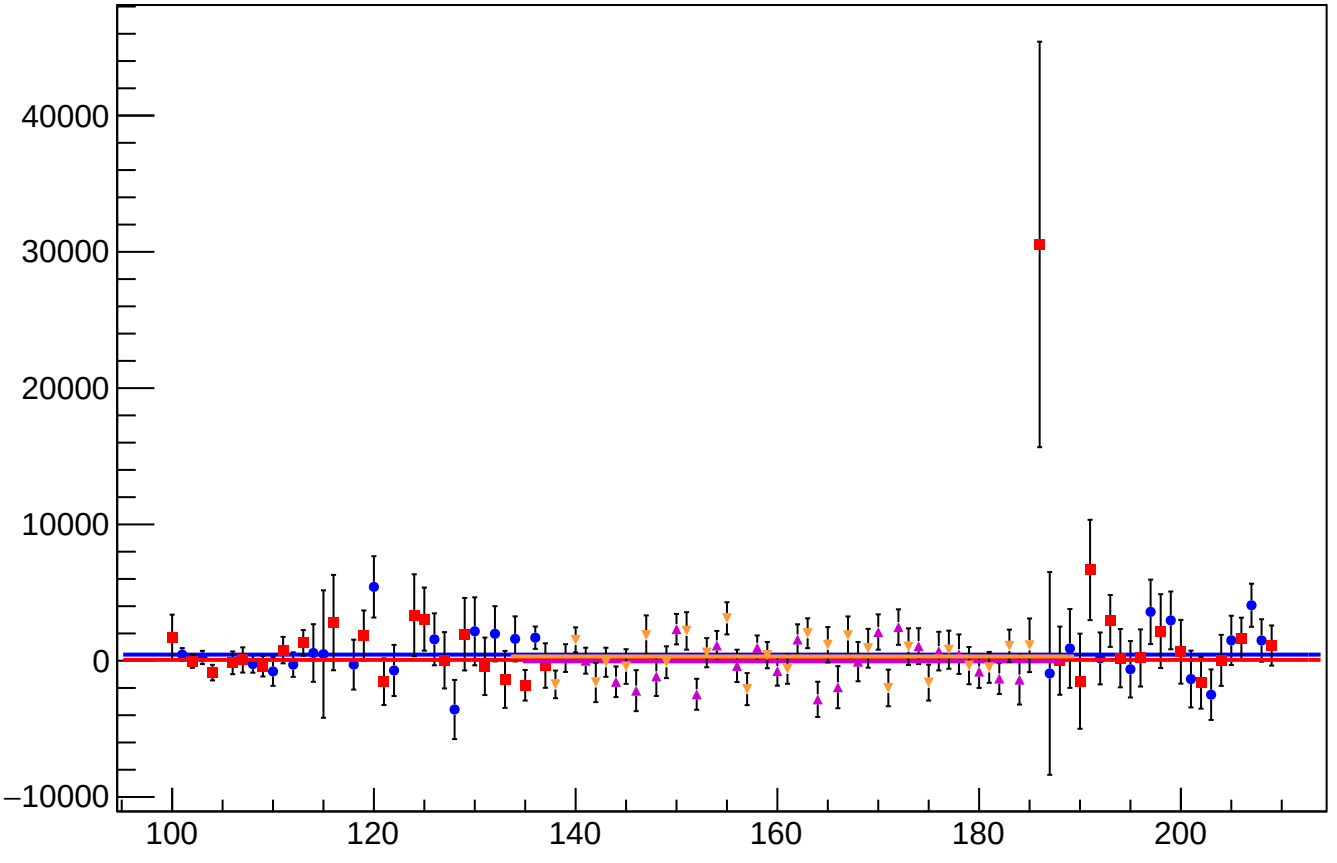
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.746+/-0.019 χ^2/NDF: 3496492.3/51

All: 156.218+/-0.014 χ^2/NDF: 8795769.2/106

- sign 155.688+/-0.019 χ^2/NDF: 5297764.9/54

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 446.371+/-224.570 χ^2/NDF: 29.2/26

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 62.548+/-223.071 χ^2/NDF: 28.4/31

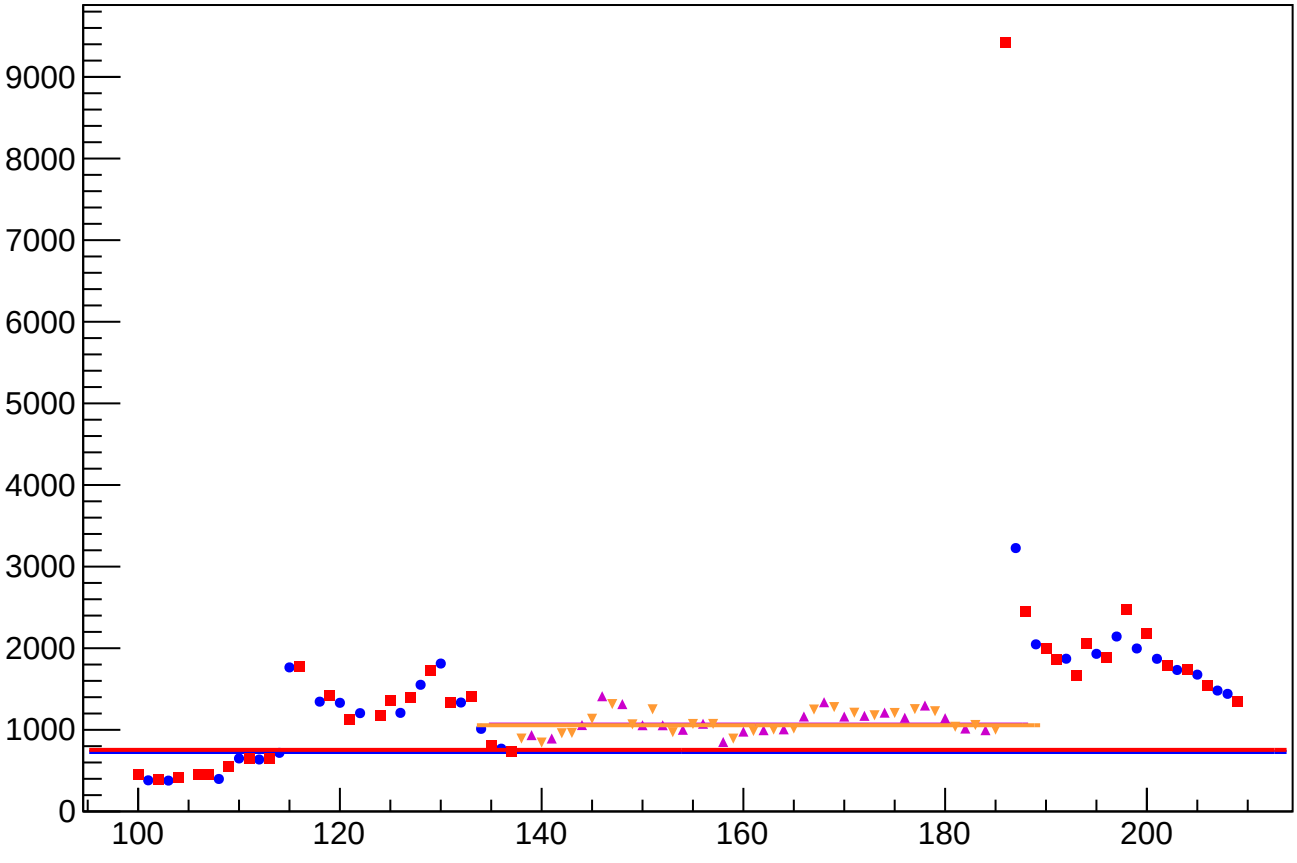
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 385.067+/-164.739 χ^2/NDF: 62.3/51

All: 201.932+/-117.214 χ^2/NDF: 127.7/106

- sign 14.158+/-166.812 χ^2/NDF: 62.9/54

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 728.434+/-0.159 χ^2/NDF: 10409912.4/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 754.580+/-0.158 χ^2/NDF: 11467054.0/31

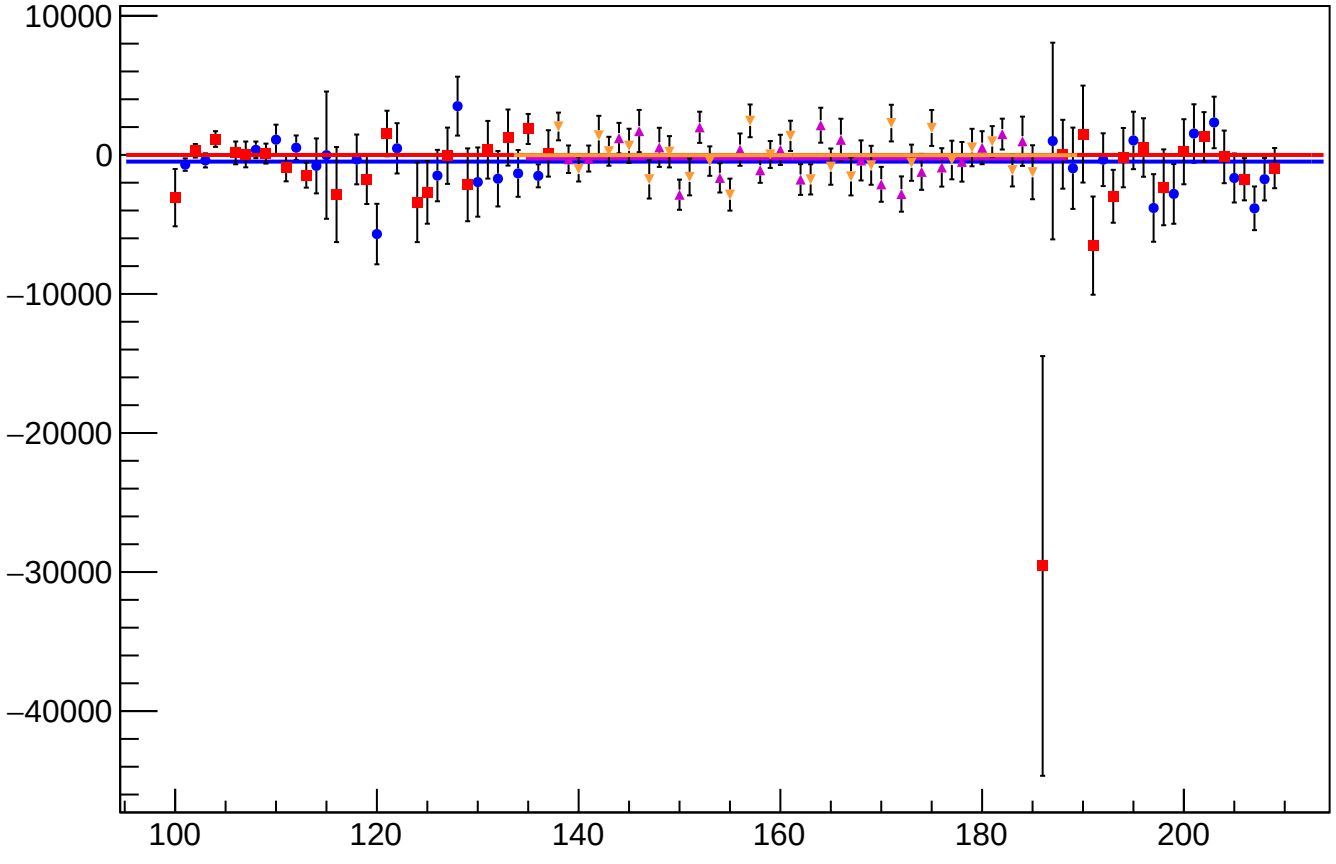
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 879.878+/-0.116 χ^2/NDF: 12989936.4/51

All: 885.506+/-0.083 χ^2/NDF: 26776561.9/10

- sign 891.276+/-0.118 χ^2/NDF: 13781898.1/54

asym_sam6_mean vs Slug



Right In: -482.759+/-221.231 χ^2/NDF: 30.7/26

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -5.920+/-220.891 χ^2/NDF: 32.7/31

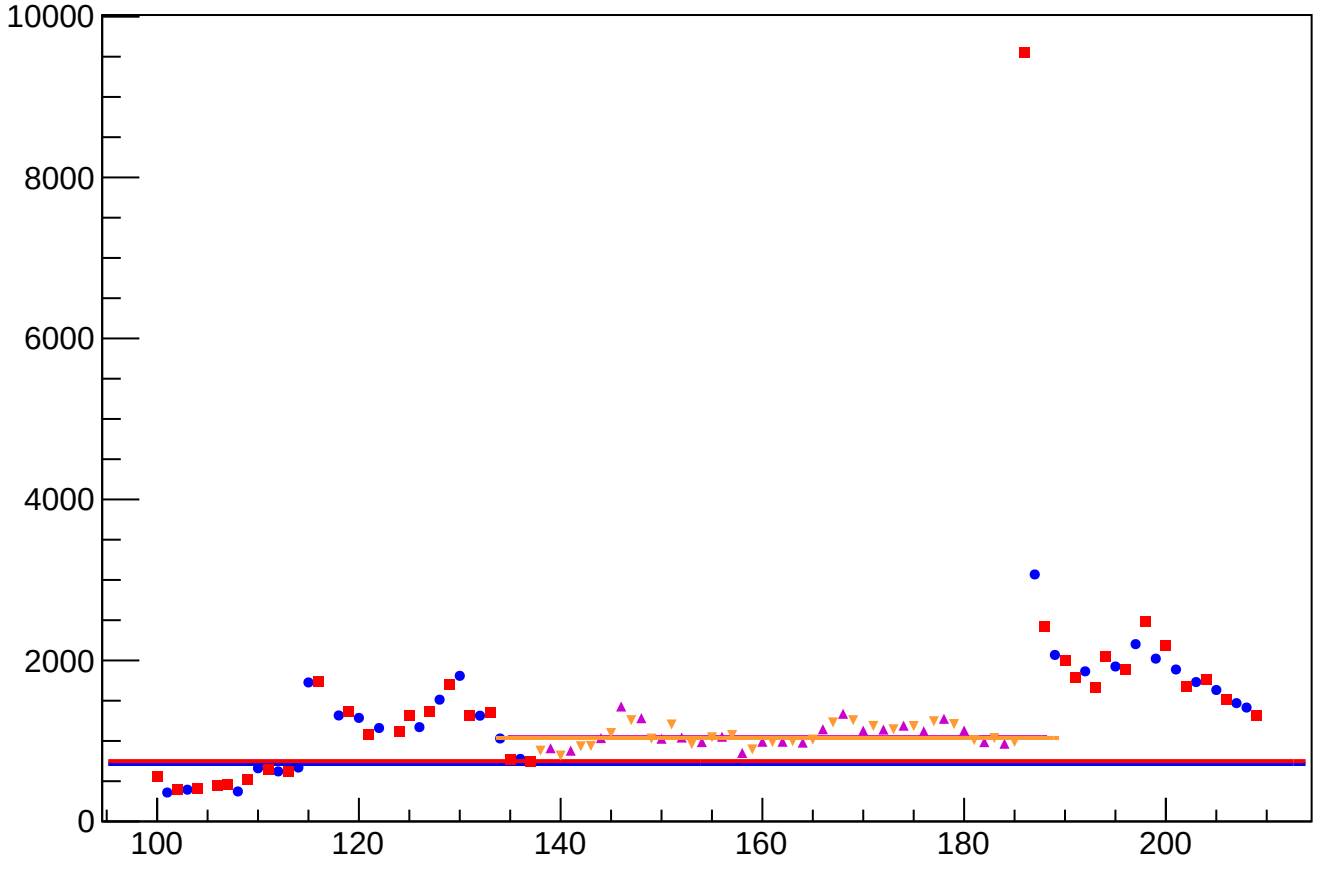
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -269.091+/-162.029 χ^2/NDF: 67.2/51

All: -194.138+/-115.509 χ^2/NDF: 134.5/106

- sign -116.681+/-164.713 χ^2/NDF: 66.8/54

asym_sam6_rms vs Slug



Right In: 713.754+/-0.156 χ^2/NDF: 10594564.8/26

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 749.593+/-0.156 χ^2/NDF: 11296836.9/31

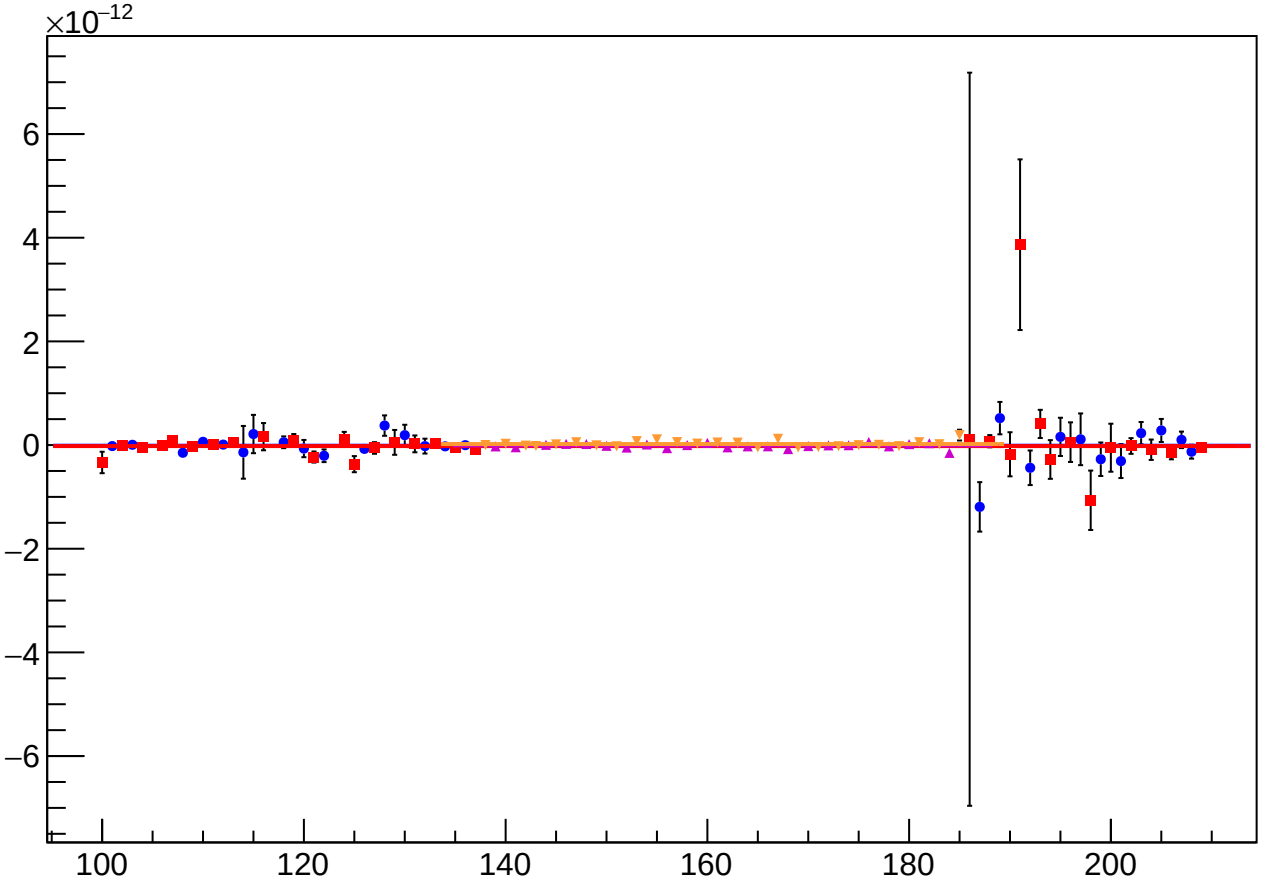
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 863.758+/-0.115 χ^2/NDF: 13163485.4/51

All: 872.686+/-0.082 χ^2/NDF: 26702476.3/10

- sign 881.911+/-0.116 χ^2/NDF: 13526645.4/54

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

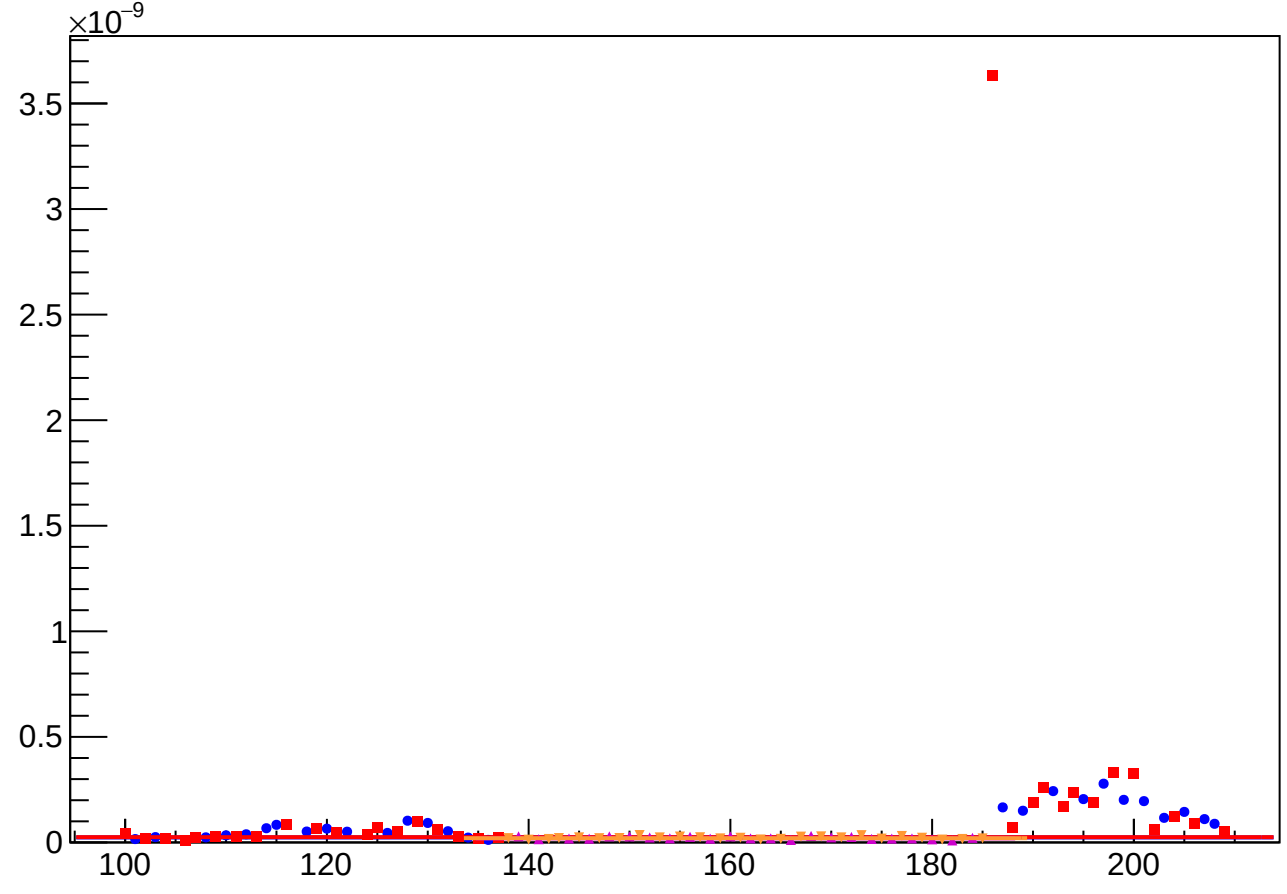
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/31

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/51

All: 0.000+/-0.000 χ^2/NDF: 125.0/106

- sign -0.000+/-0.000 χ^2/NDF: 52.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 7714842.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7437988.7/31

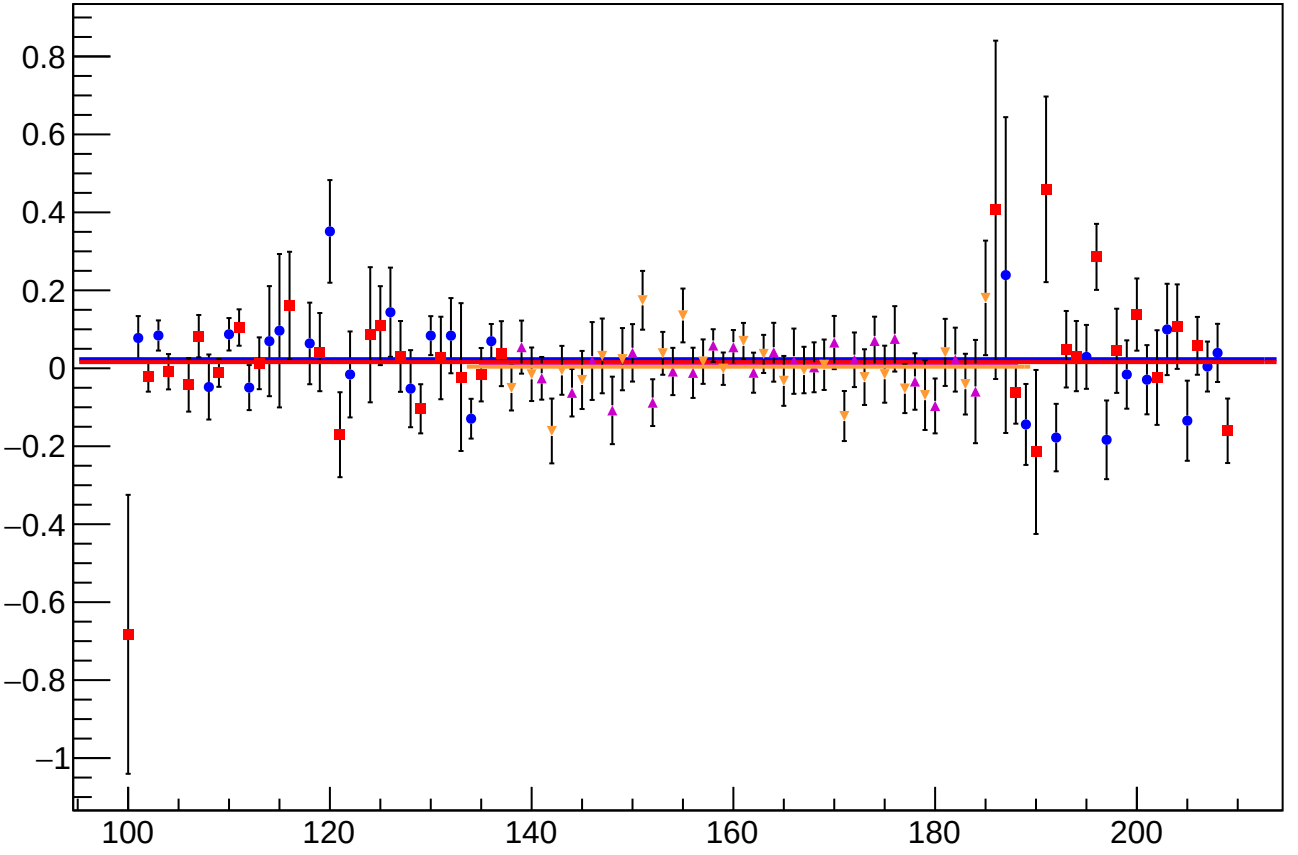
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8825698.5/51

All: 0.000+/-0.000 χ^2/NDF: 17603019.0/106

- sign 0.000+/-0.000 χ^2/NDF: 8772608.2/54

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 44.7/31

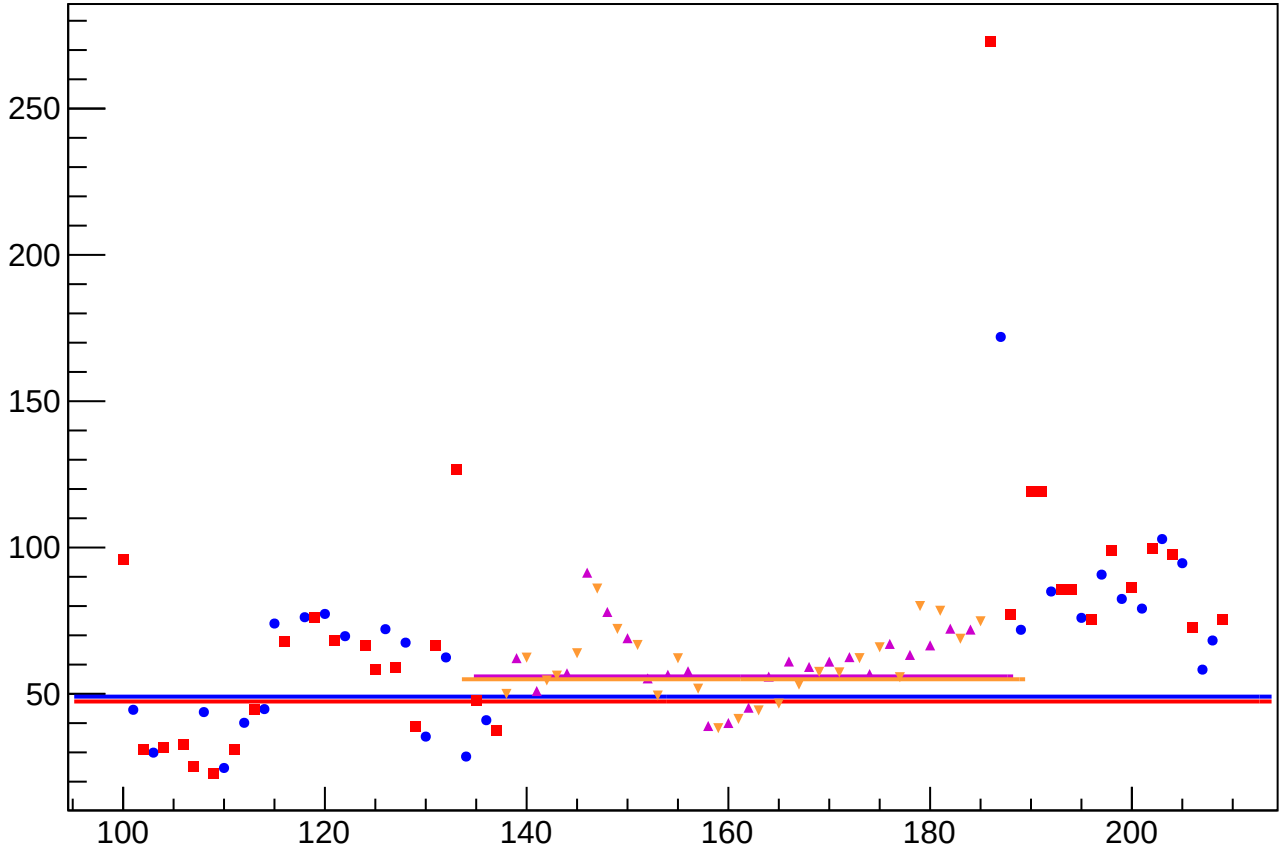
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.012+/-0.007 χ^2/NDF: 130.2/106

- sign 0.012+/-0.009 χ^2/NDF: 60.0/54

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 47.392+/-0.009 χ^2/NDF: 7286385.3/31

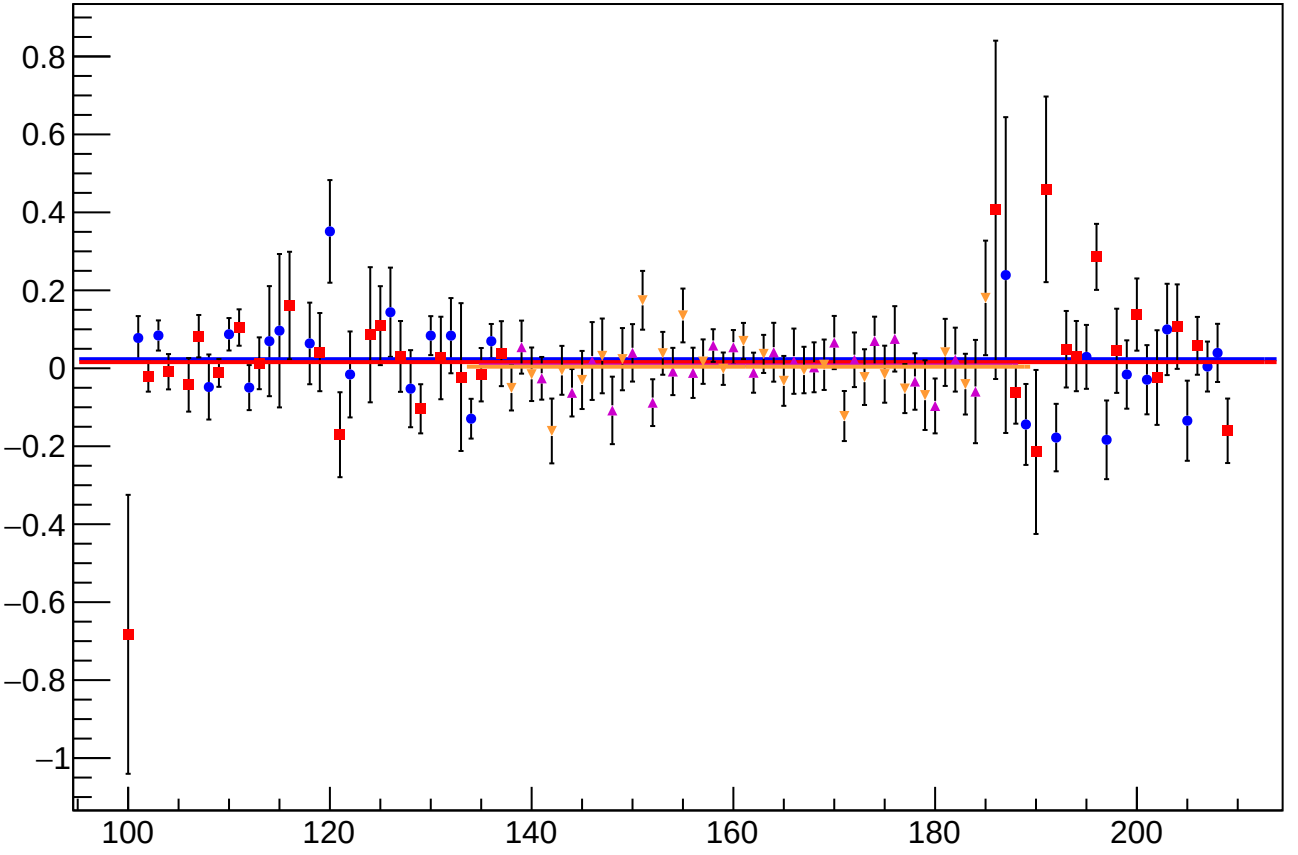
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.215+/-0.007 χ^2/NDF: 6757049.8/51

All: 51.915+/-0.005 χ^2/NDF: 15860737.4/106

- sign 51.612+/-0.007 χ^2/NDF: 9099649.3/54

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 44.7/31

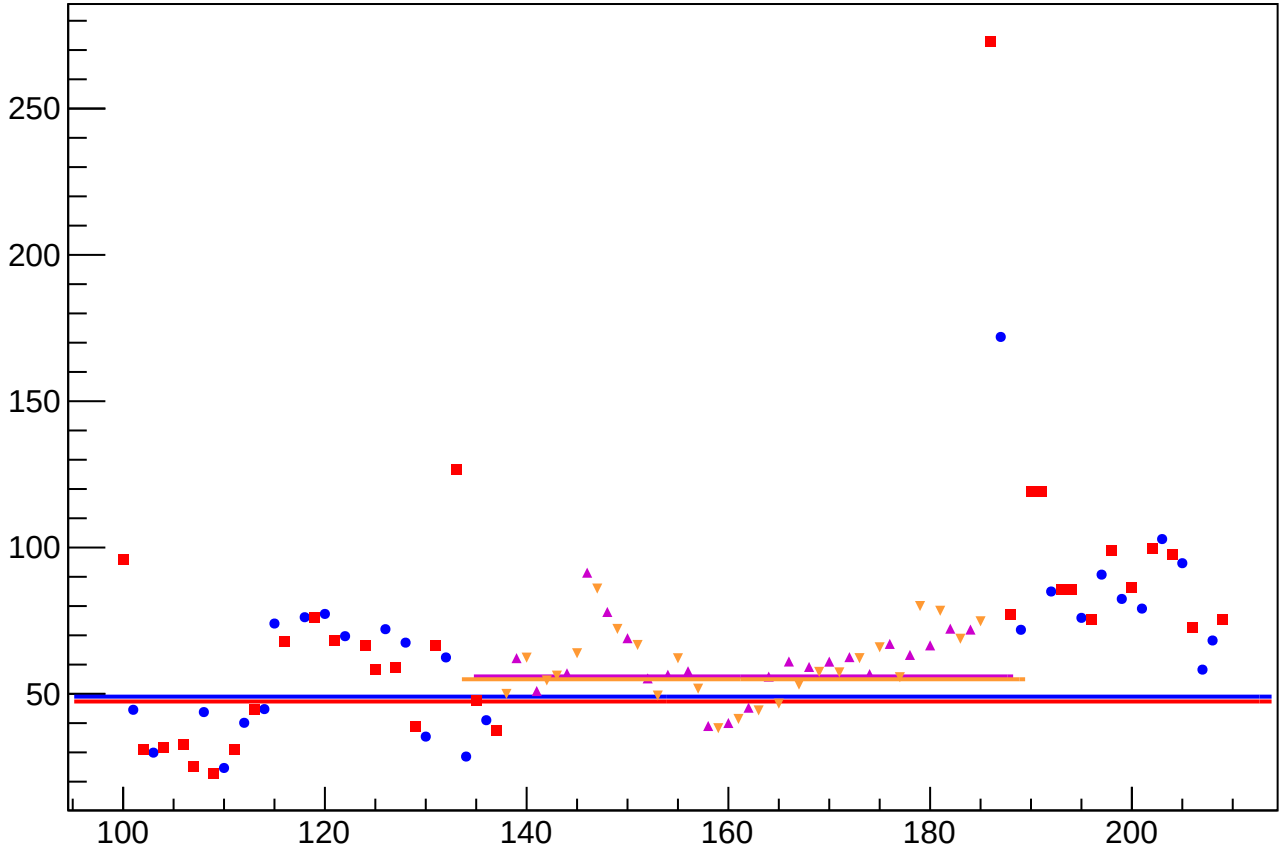
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.012+/-0.007 χ^2/NDF: 130.2/106

- sign 0.012+/-0.009 χ^2/NDF: 60.0/54

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 47.392+/-0.009 χ^2/NDF: 7286385.3/31

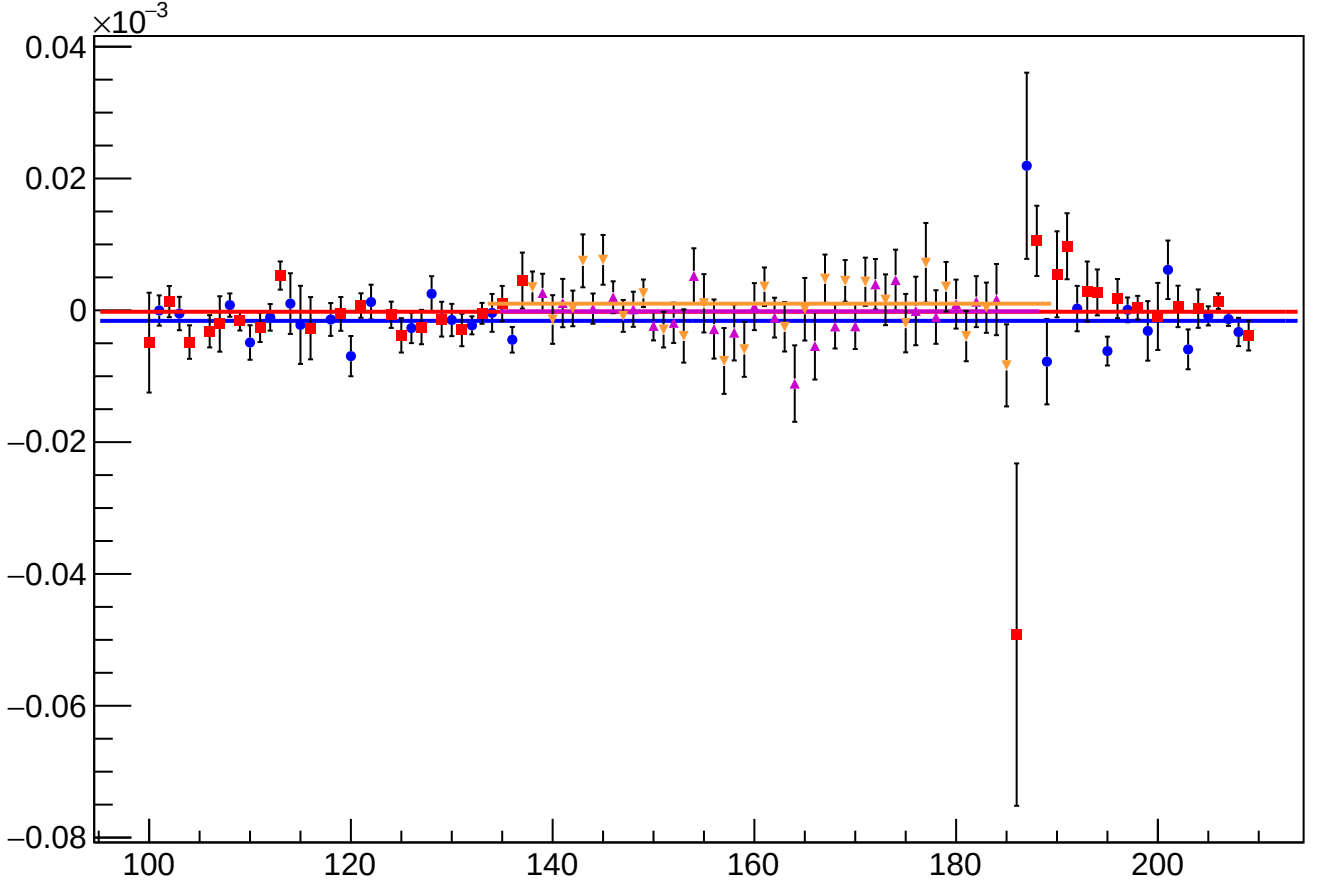
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.215+/-0.007 χ^2/NDF: 6757049.8/51

All: 51.915+/-0.005 χ^2/NDF: 15860737.4/106

- sign 51.612+/-0.007 χ^2/NDF: 9099649.3/54

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/31

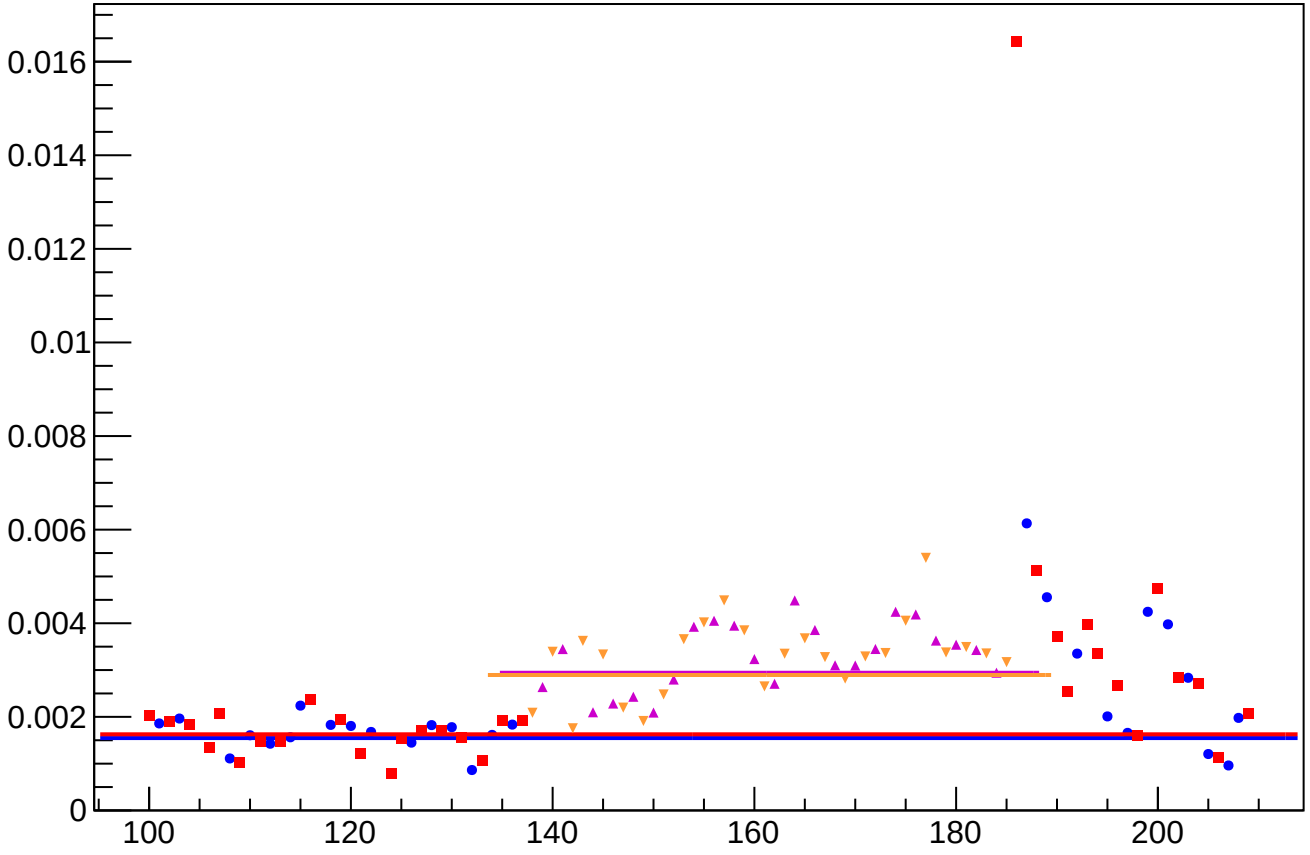
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.1/51

All: -0.000+/-0.000 χ^2/NDF: 122.9/106

- sign -0.000+/-0.000 χ^2/NDF: 53.1/54

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4687166.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6079429.9/31

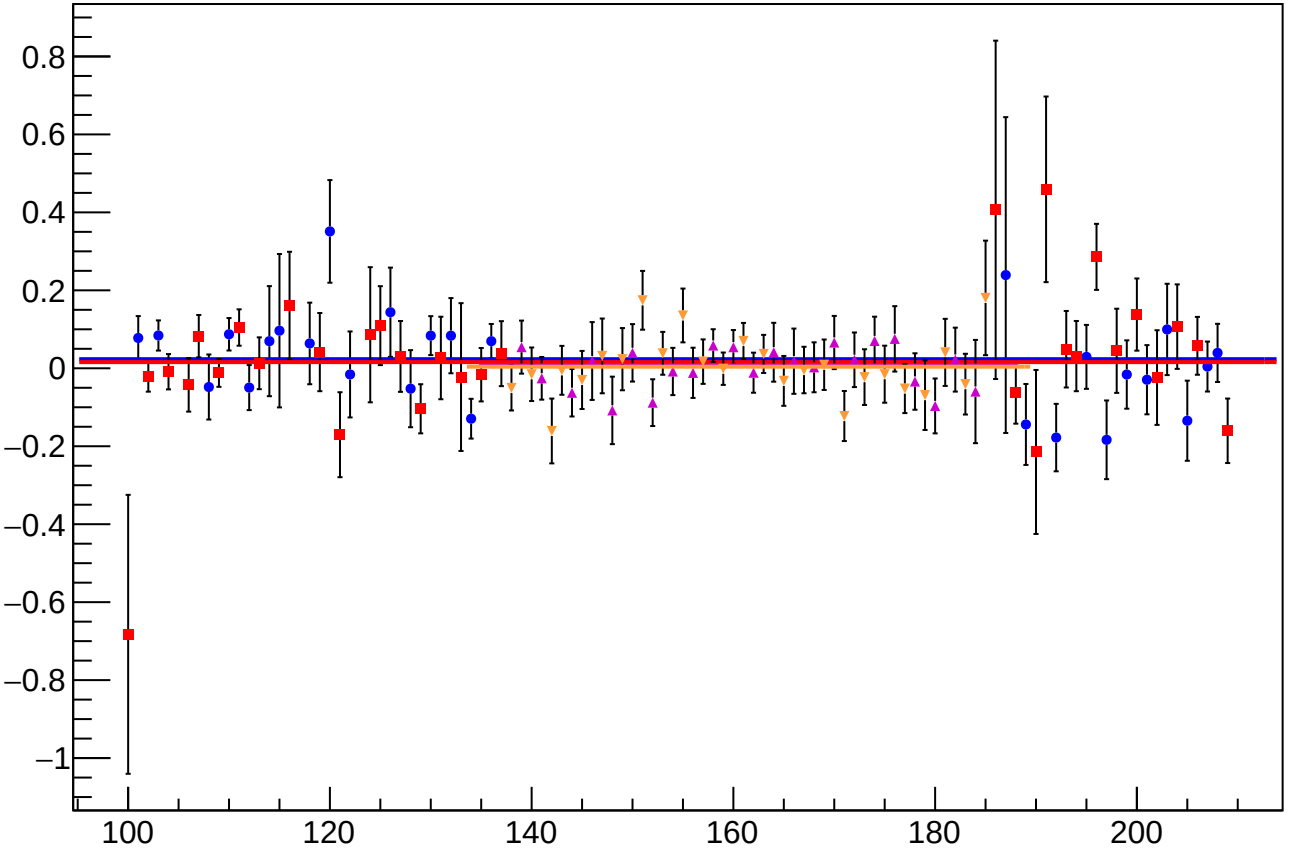
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 12873785.3/51

All: 0.002+/-0.000 χ^2/NDF: 25841613.5/106

- sign 0.002+/-0.000 χ^2/NDF: 12938030.9/54

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 44.7/31

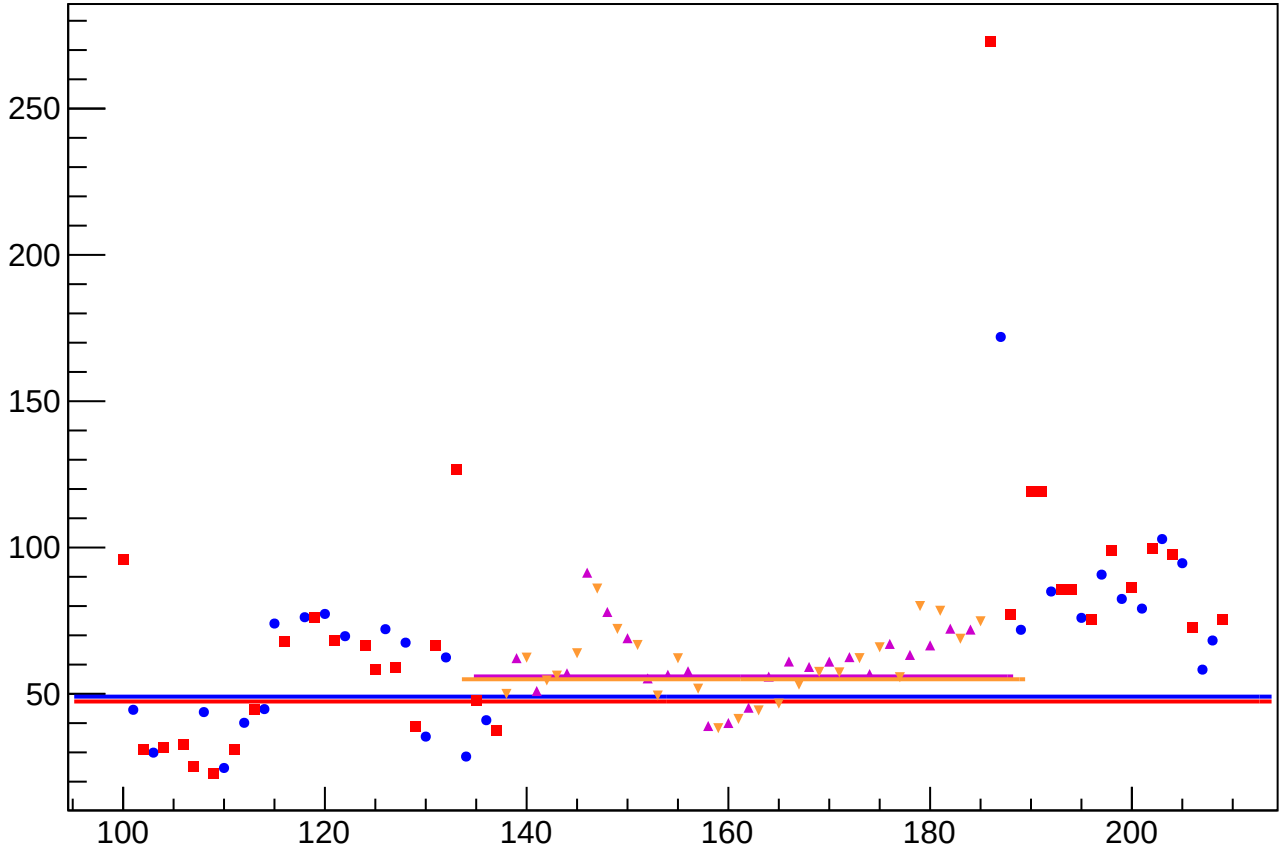
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.012+/-0.007 χ^2/NDF: 130.2/106

- sign 0.012+/-0.009 χ^2/NDF: 60.0/54

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

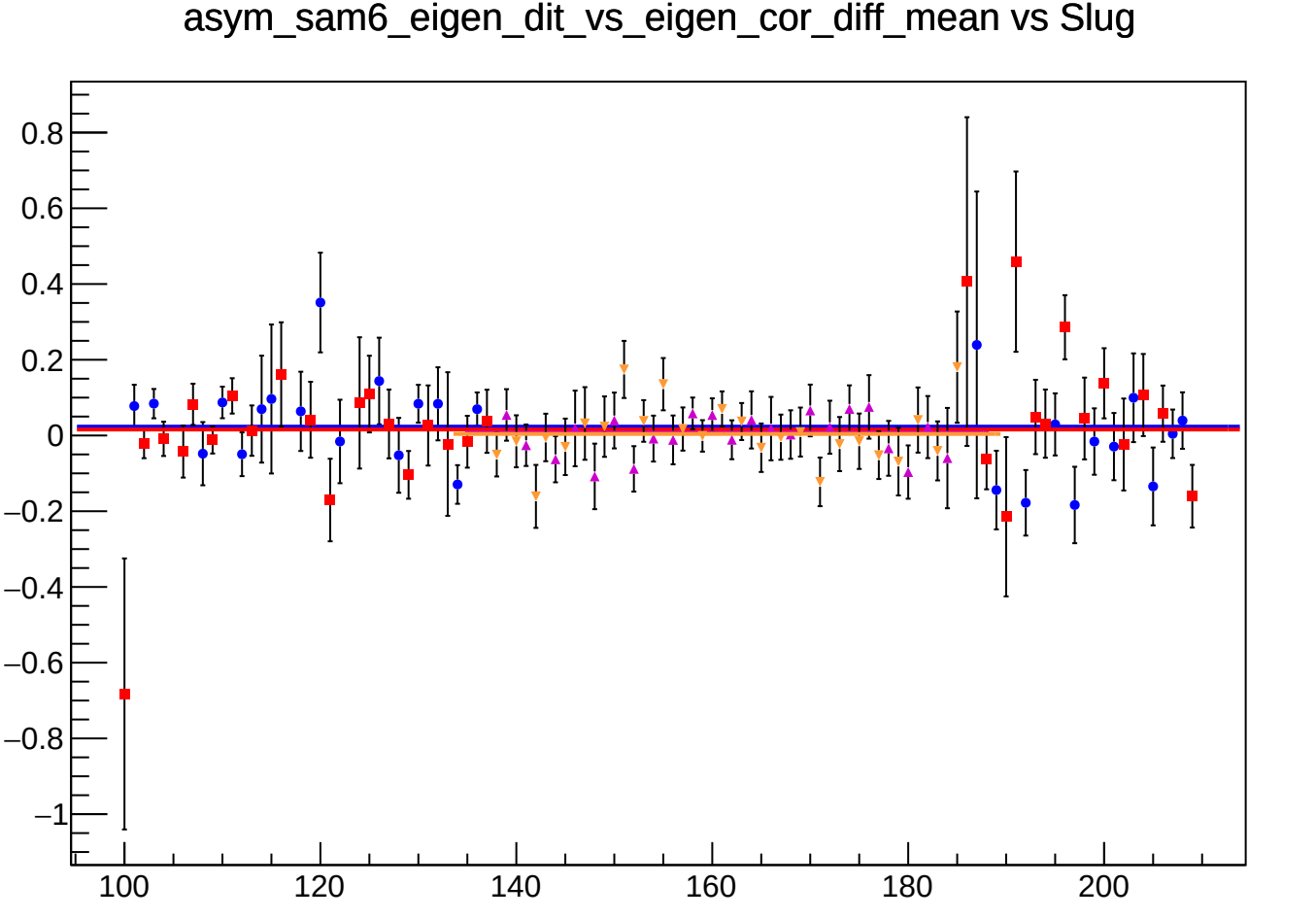
Right Out: 47.391+/-0.009 χ^2/NDF: 7286394.8/31

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.214+/-0.007 χ^2/NDF: 6757267.4/51

All: 51.914+/-0.005 χ^2/NDF: 15861063.4/106

- sign 51.612+/-0.007 χ^2/NDF: 9099758.7/54



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

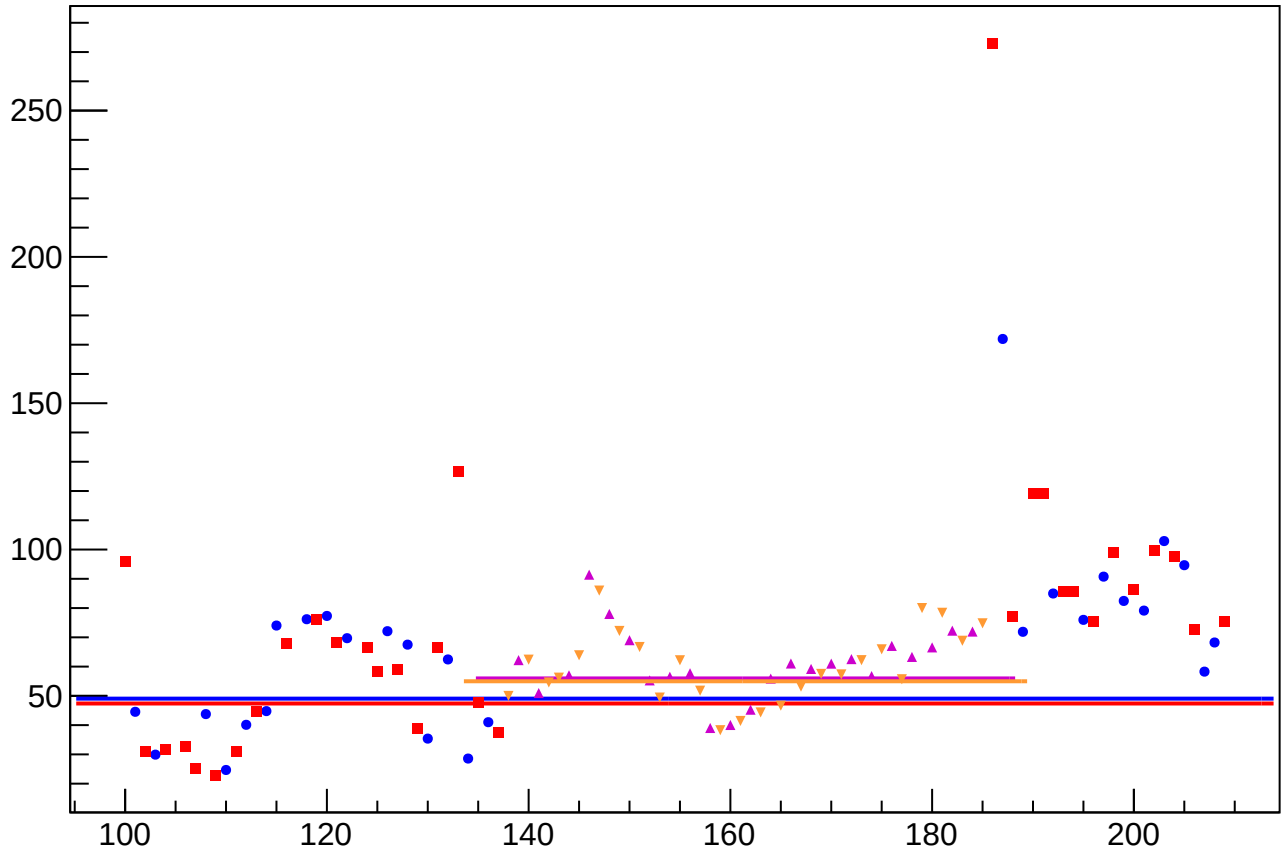
Right Out: 0.016+/-0.013 χ^2/NDF: 44.7/31

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

\+ sign 0.013+/-0.009 χ^2/NDF: 70.2/51

All: 0.012+/-0.007 χ^2/NDF: 130.2/106

\- sign 0.012+/-0.009 χ^2/NDF: 60.0/54



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 47.391+/-0.009 χ^2/NDF: 7286394.8/31

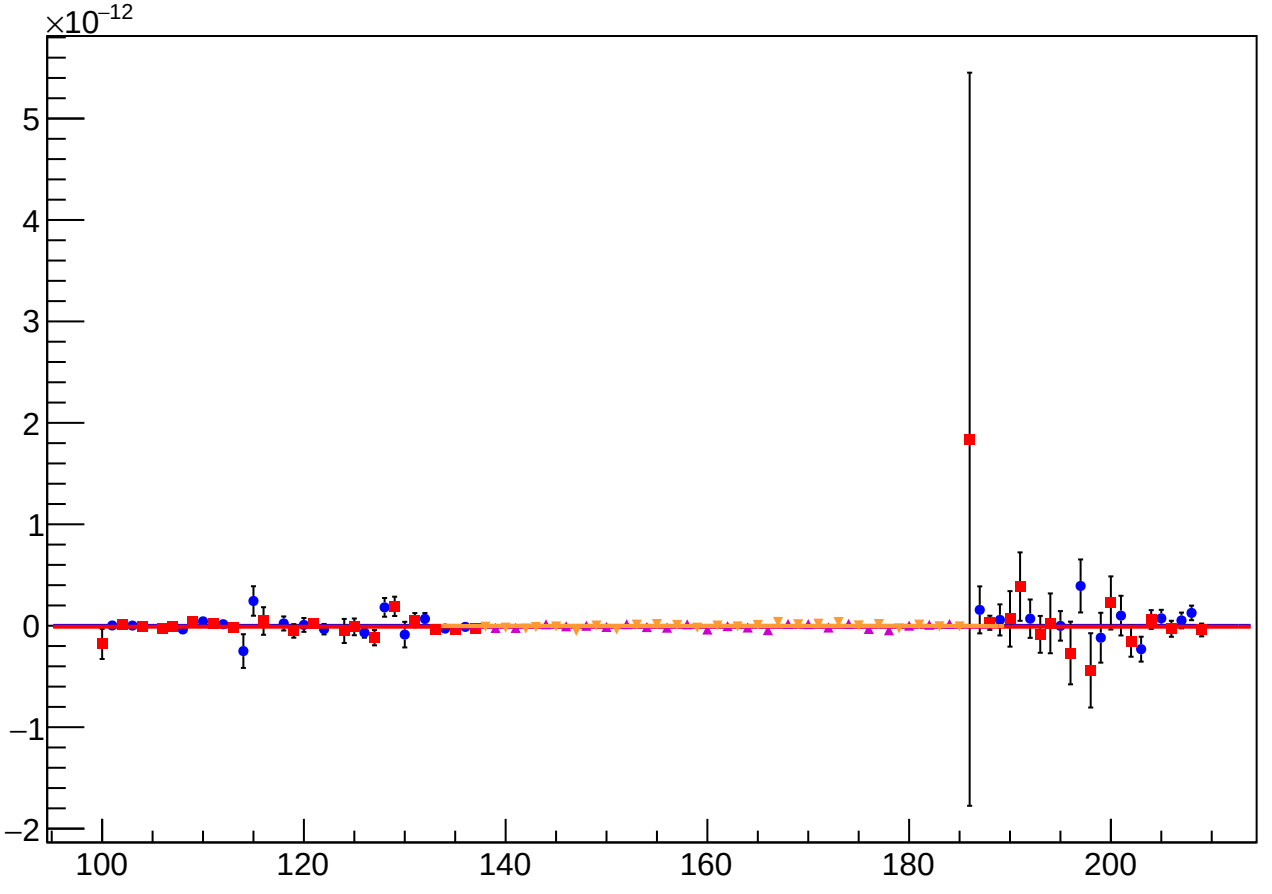
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.214+/-0.007 χ^2/NDF: 6757267.4/51

All: 51.914+/-0.005 χ^2/NDF: 15861063.4/106

- sign 51.612+/-0.007 χ^2/NDF: 9099758.7/54

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

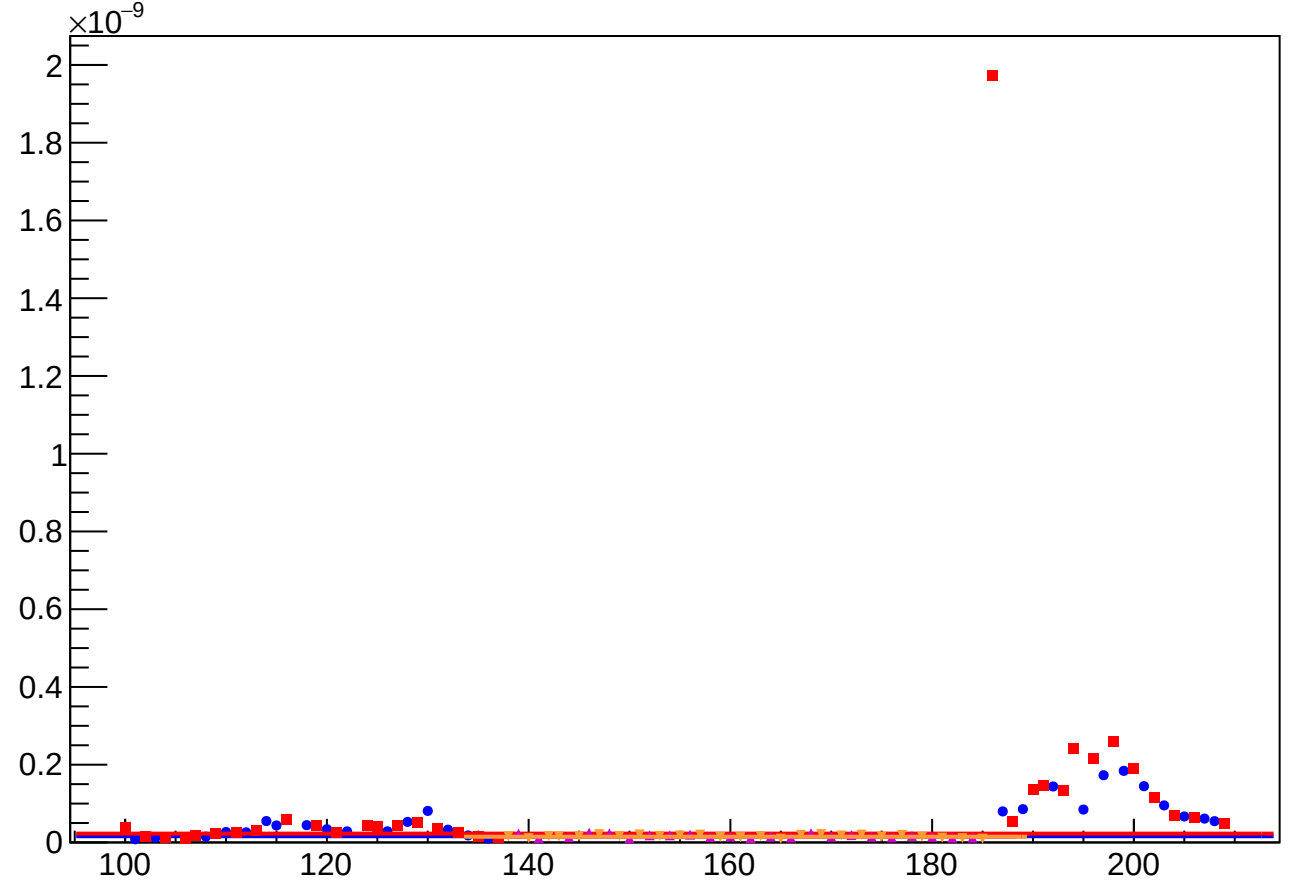
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/31

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.4/51

All: -0.000+/-0.000 χ^2/NDF: 93.0/106

- sign -0.000+/-0.000 χ^2/NDF: 44.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 10692765.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

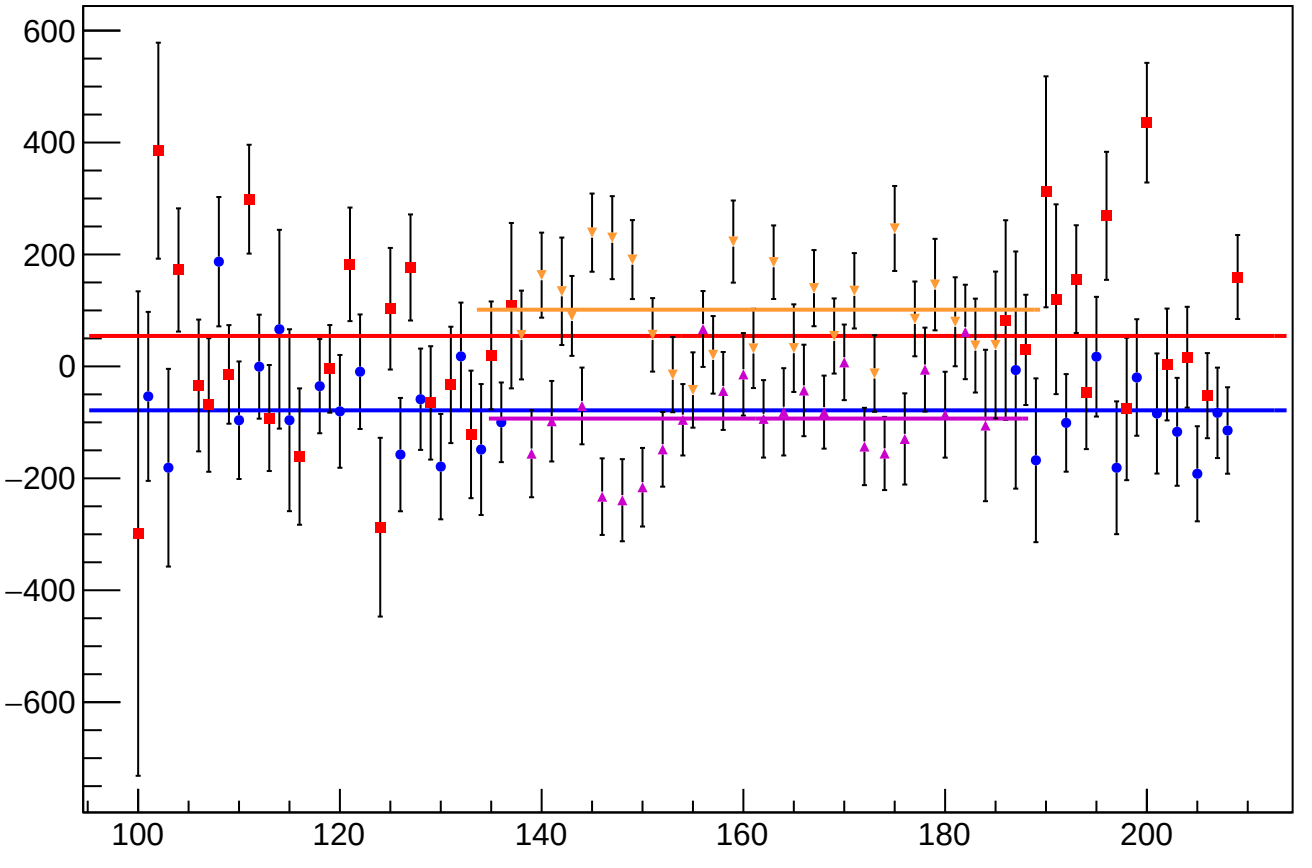
Right Out: 0.000+/-0.000 χ^2/NDF: 10461870.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12141094.0/51

All: 0.000+/-0.000 χ^2/NDF: 25422486.5/106

- sign 0.000+/-0.000 χ^2/NDF: 13154009.9/54



Right In: -78.523+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.421+/-18.945 χ^2/NDF: 57.8/31

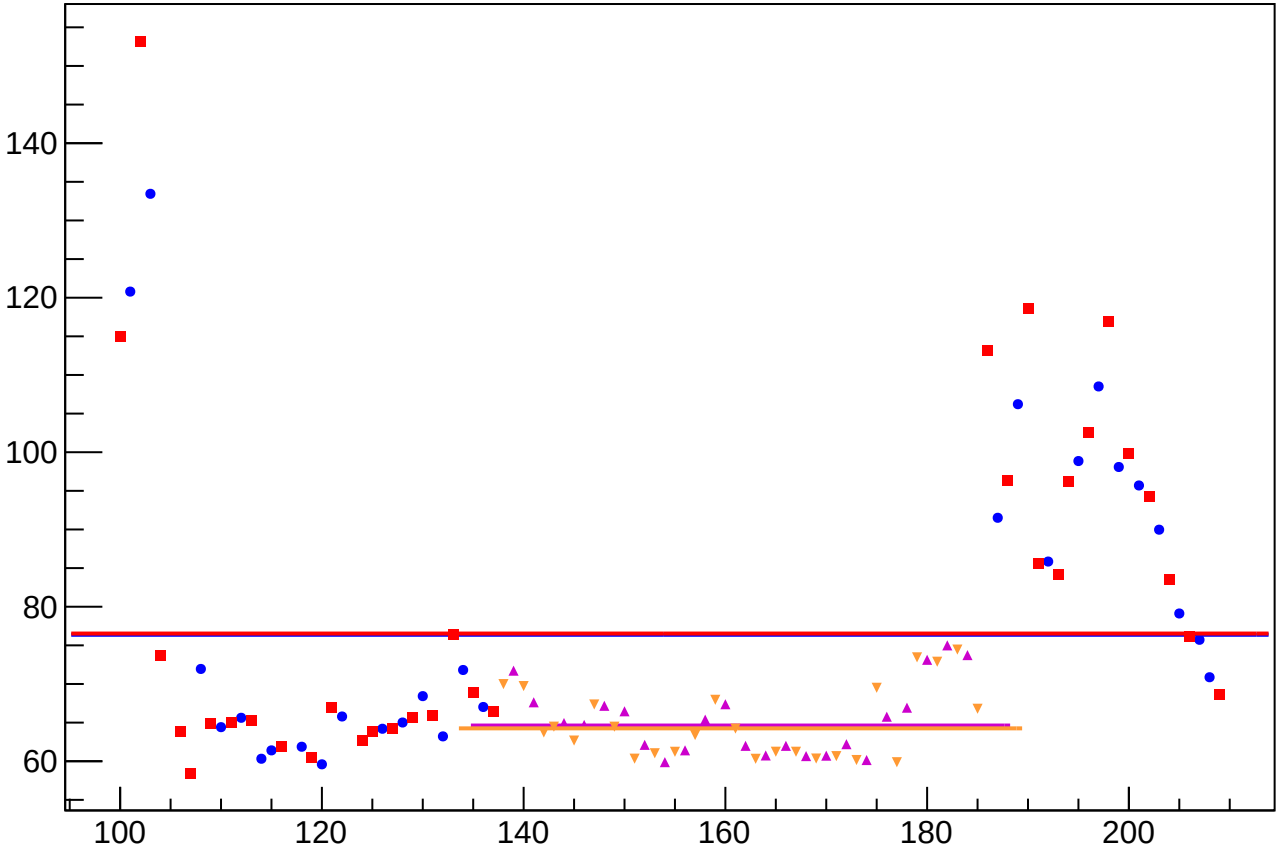
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 37.306+/-11.750 χ^2/NDF: 103.2/51

All: 1.034+/-8.335 χ^2/NDF: 246.1/106

- sign -35.705+/-11.826 χ^2/NDF: 123.7/54

reg_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.5/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.528+/-0.013 χ^2/NDF: 1605658.2/31

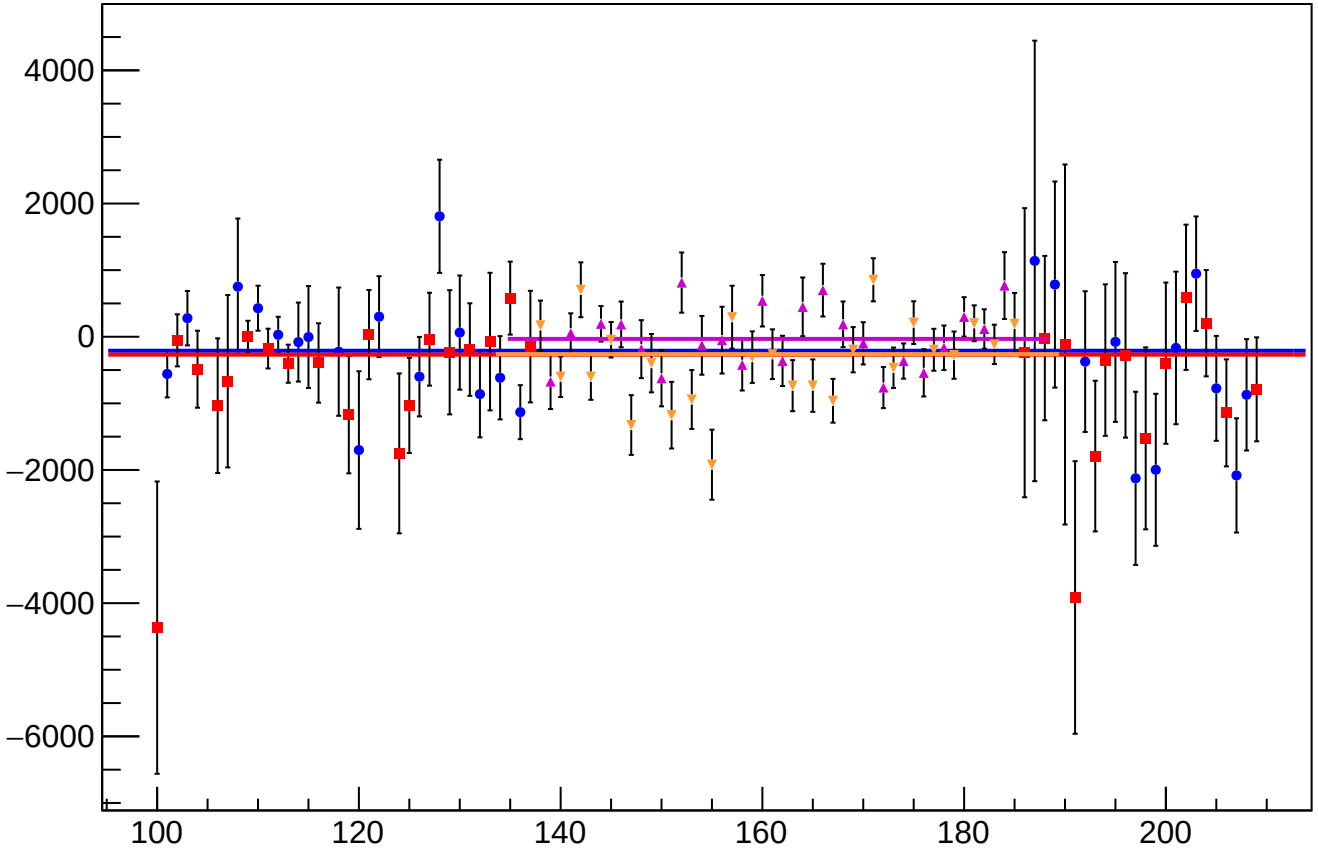
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 68.567+/-0.008 χ^2/NDF: 1977775.2/51

All: 68.912+/-0.006 χ^2/NDF: 4216275.3/106

\- sign 69.260+/-0.008 χ^2/NDF: 2235043.2/54

asym_sam7_reg_correction_mean vs Slug



Right In: -210.101+/-116.992 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -269.071+/-110.191 χ^2/NDF: 21.2/31

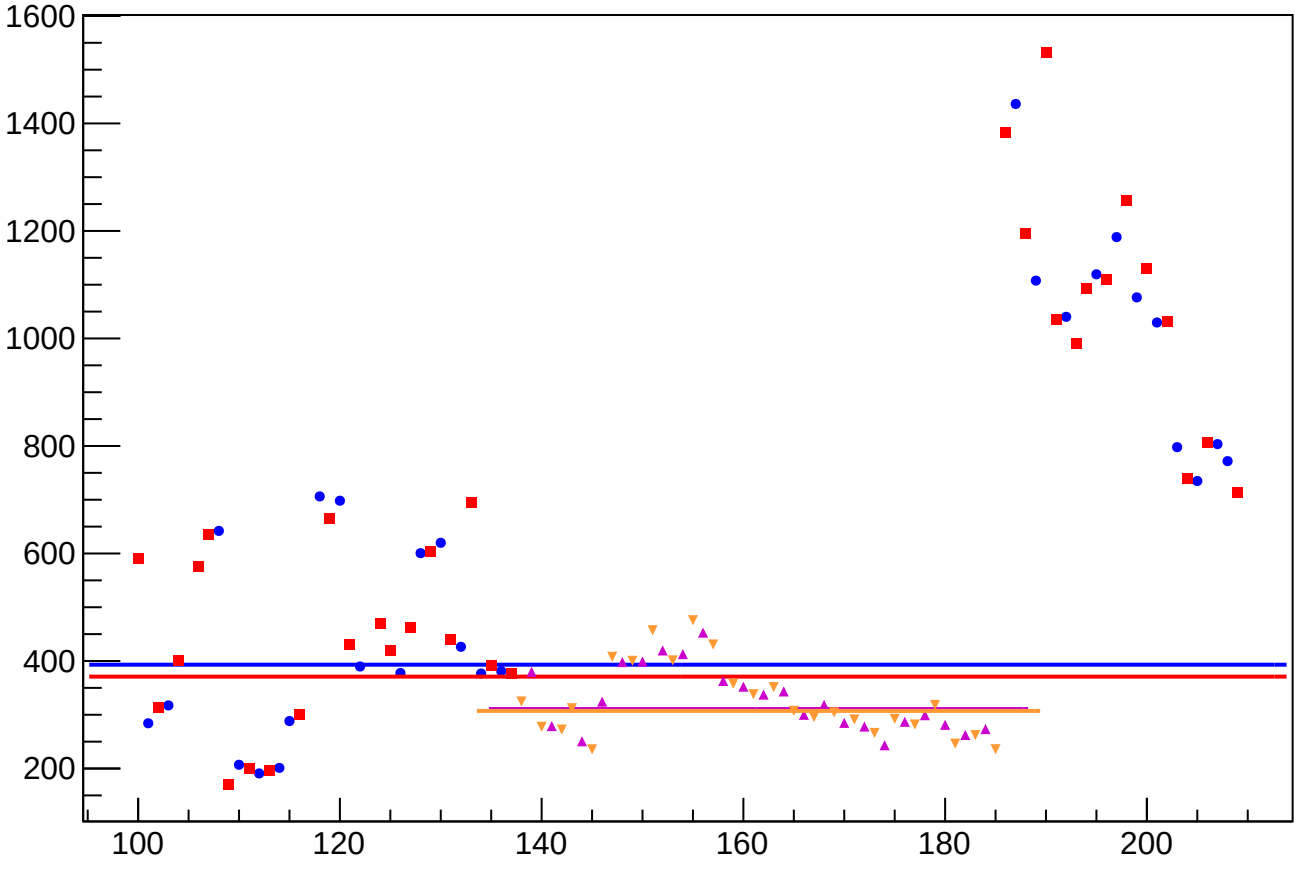
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -247.314+/-60.864 χ^2/NDF: 94.7/51

All: -177.084+/-43.205 χ^2/NDF: 153.5/106

- sign -105.754+/-61.339 χ^2/NDF: 56.1/54

asym_sam7_reg_correction_rms vs Slug



Right In: 393.123+/-0.083 χ^2/NDF: 8845876.5/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 370.943+/-0.078 χ^2/NDF: 11490951.9/31

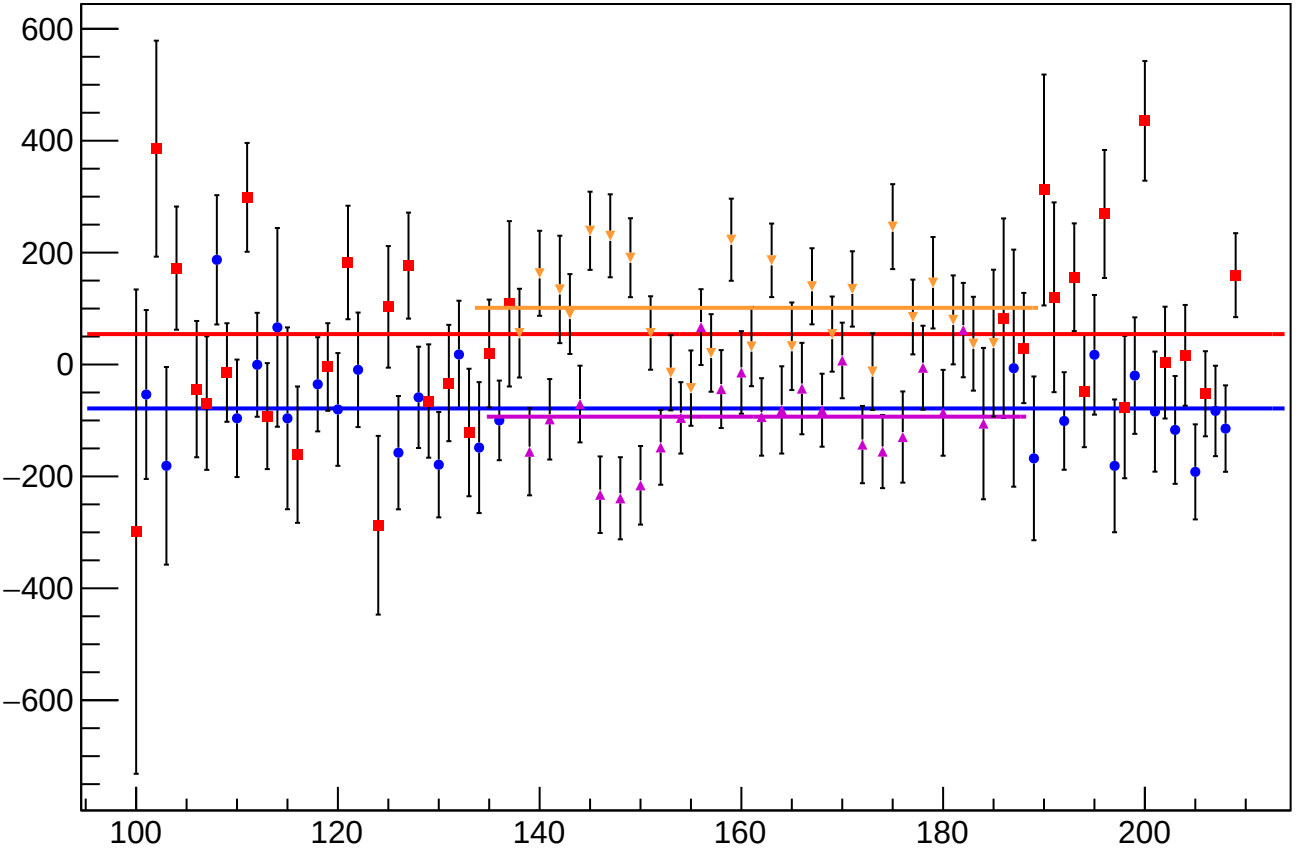
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 330.414+/-0.043 χ^2/NDF: 10953876.1/51

All: 329.894+/-0.031 χ^2/NDF: 23937182.3/10

- sign 329.366+/-0.043 χ^2/NDF: 12983012.0/54

cor_asym_sam7_mean vs Slug



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.331+/-18.961 χ^2/NDF: 57.9/31

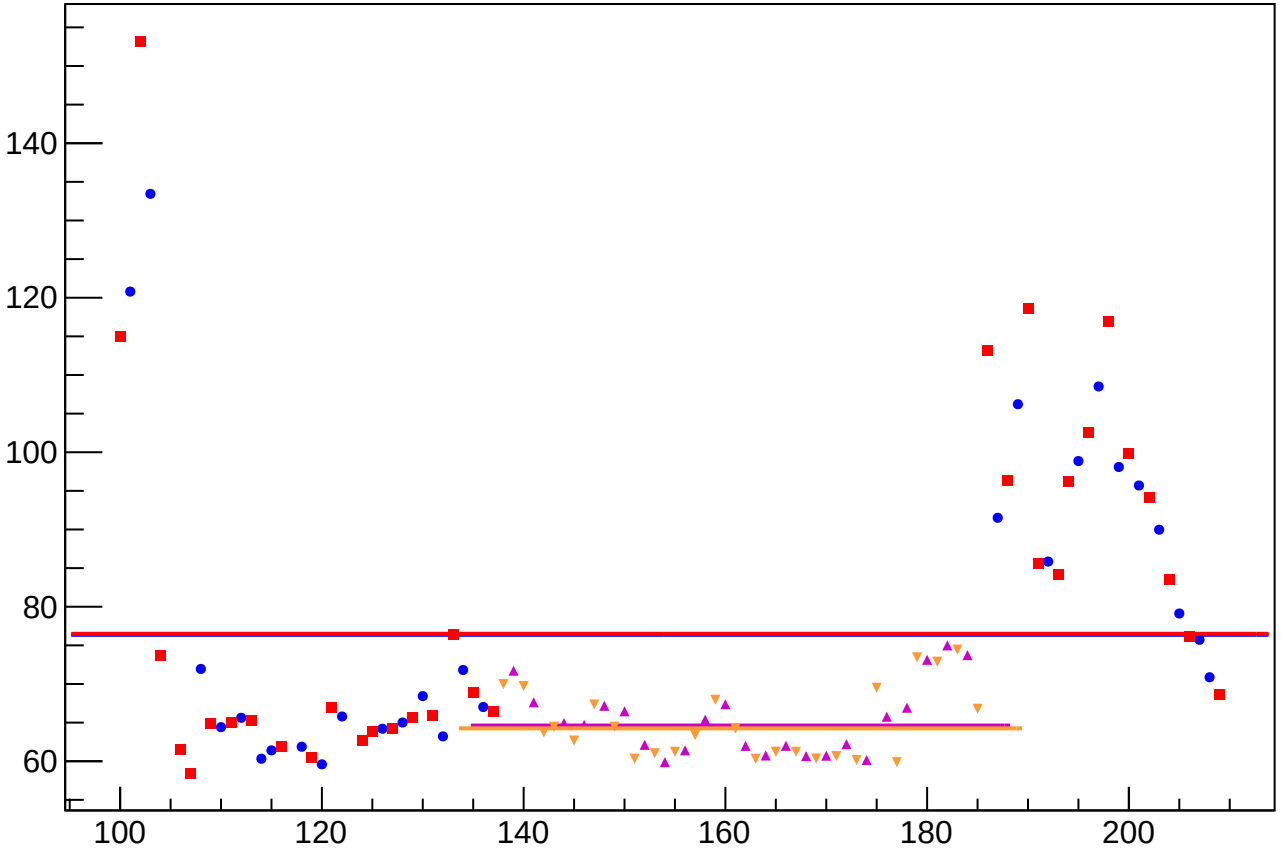
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 37.305+/-11.750 χ^2/NDF: 103.2/51

All: 0.999+/-8.337 χ^2/NDF: 246.1/106

- sign -35.799+/-11.830 χ^2/NDF: 123.7/54

cor_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.492+/-0.013 χ^2/NDF: 1612947.5/31

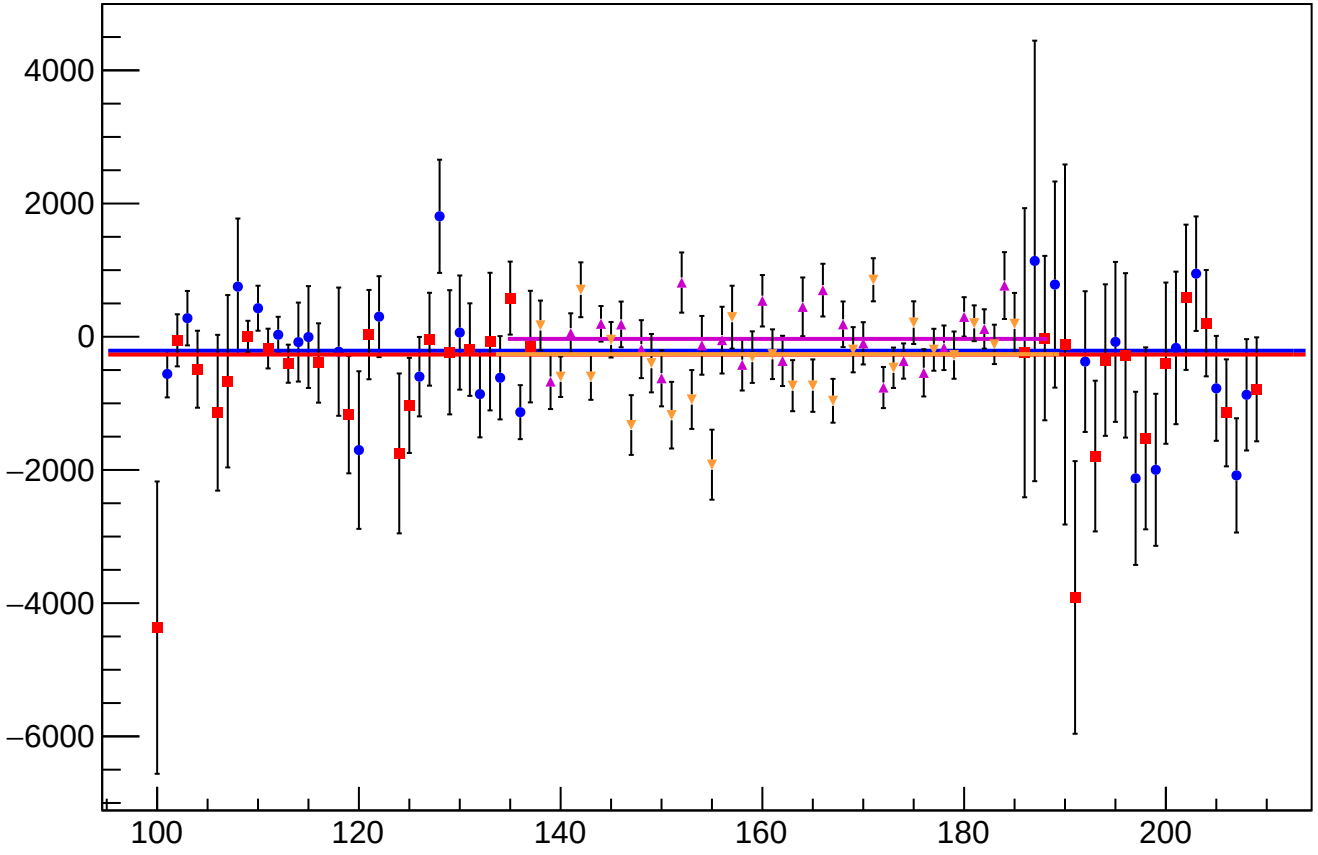
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF: 1977775.6/51

All: 68.902+/-0.006 χ^2/NDF: 4219992.9/106

- sign 69.242+/-0.008 χ^2/NDF: 2238945.9/54

asym_sam7_cor_correction_mean vs Slug



Right In: -210.098+/-116.993 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -267.723+/-110.360 χ^2/NDF: 21.2/31

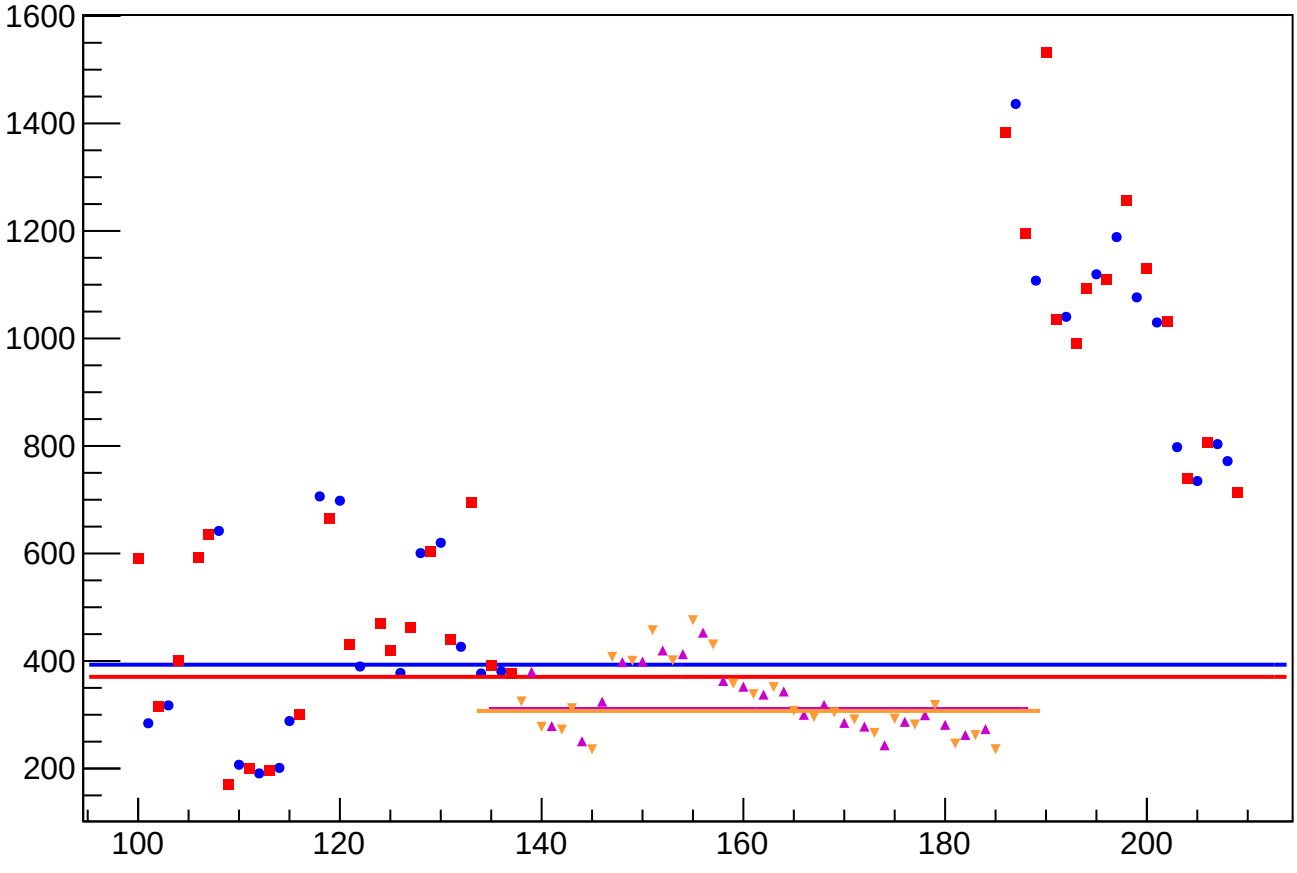
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -247.314+/-60.864 χ^2/NDF: 94.7/51

All: -176.833+/-43.215 χ^2/NDF: 153.5/106

- sign -105.180+/-61.369 χ^2/NDF: 56.0/54

asym_sam7_cor_correction_rms vs Slug



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

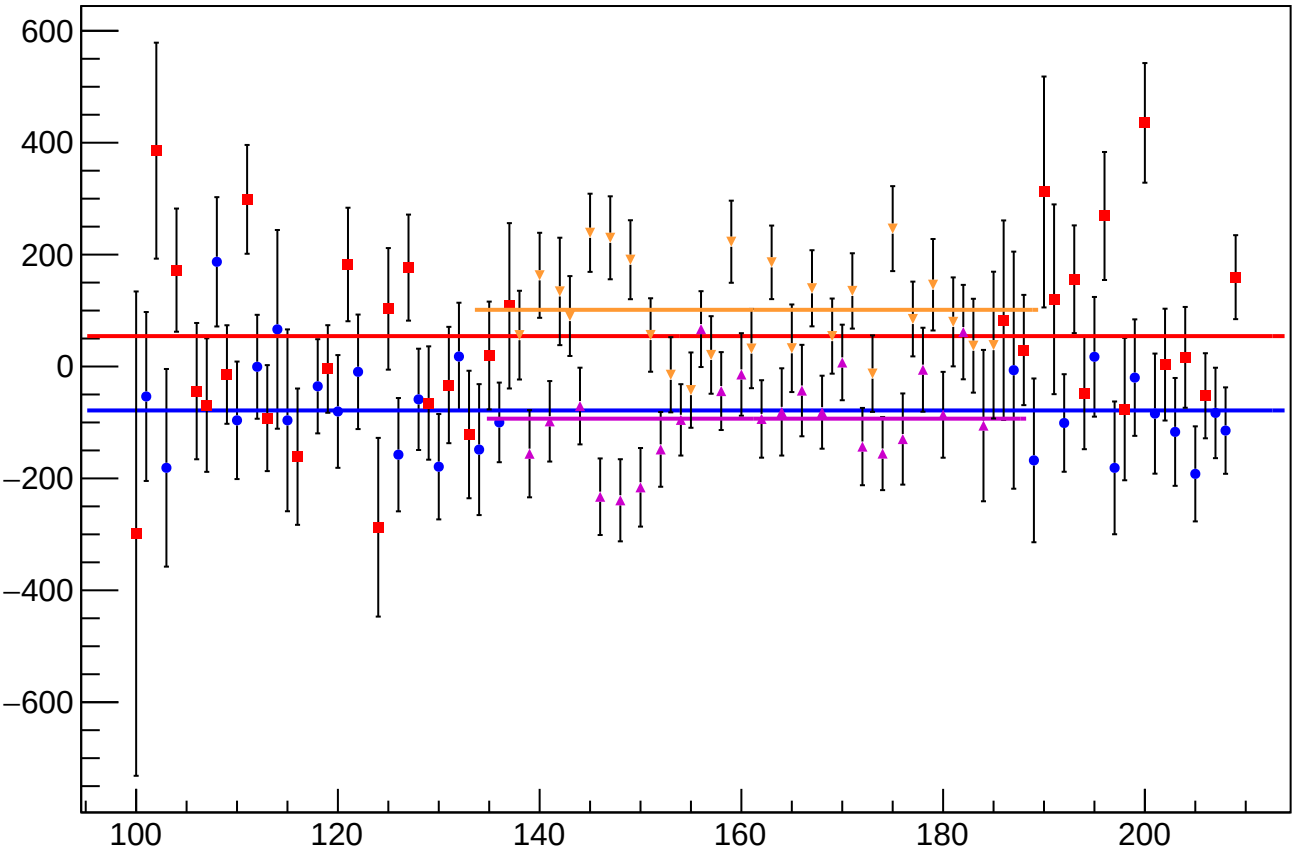
Right Out: 370.505+/-0.078 χ^2/NDF: 11481248.4/31

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 330.414+/-0.043 χ^2/NDF: 10953866.4/51

All: 329.808+/-0.031 χ^2/NDF: 23920737.4/10

- sign 329.191+/-0.043 χ^2/NDF: 12966470.4/54



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 54.331+/-18.961 χ^2/NDF: 57.9/31

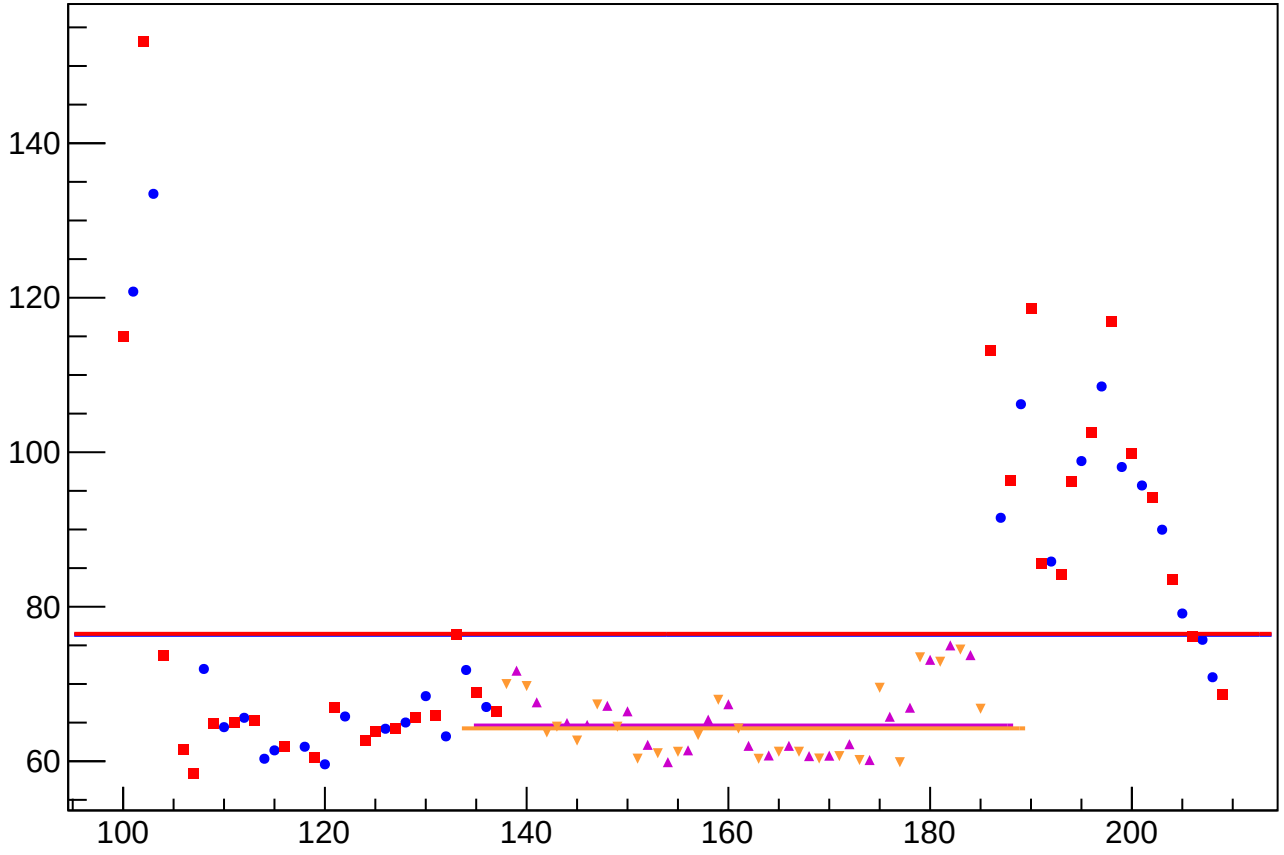
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 37.305+/-11.750 χ^2/NDF: 103.2/51

All: 0.999+/-8.337 χ^2/NDF: 246.1/106

- sign -35.799+/-11.830 χ^2/NDF: 123.7/54

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.492+/-0.013 χ^2/NDF: 1612947.5/31

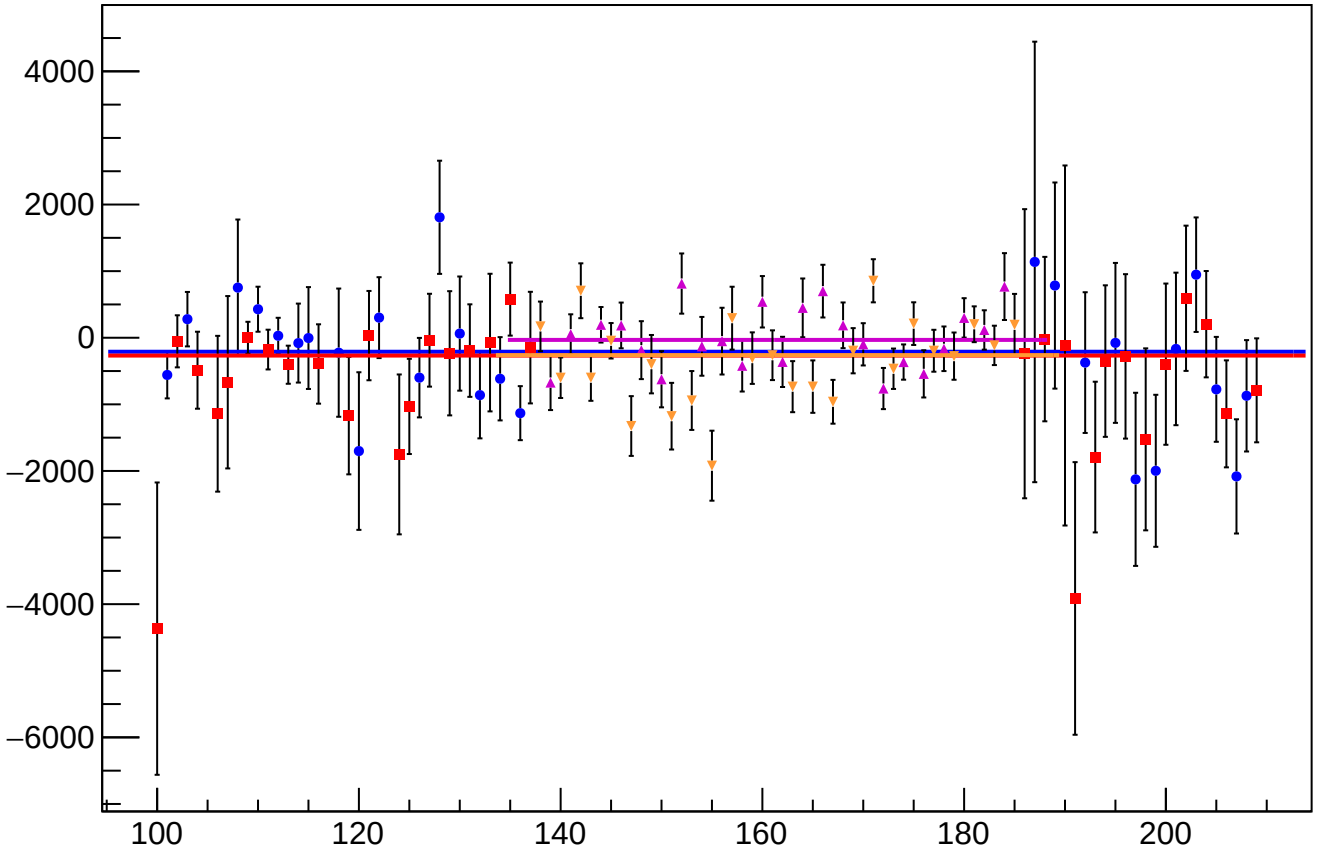
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.567+/-0.008 χ^2/NDF: 1977775.6/51

All: 68.902+/-0.006 χ^2/NDF: 4219992.9/106

- sign 69.242+/-0.008 χ^2/NDF: 2238945.9/54

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -210.098+/-116.993 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -267.723+/-110.360 χ^2/NDF: 21.2/31

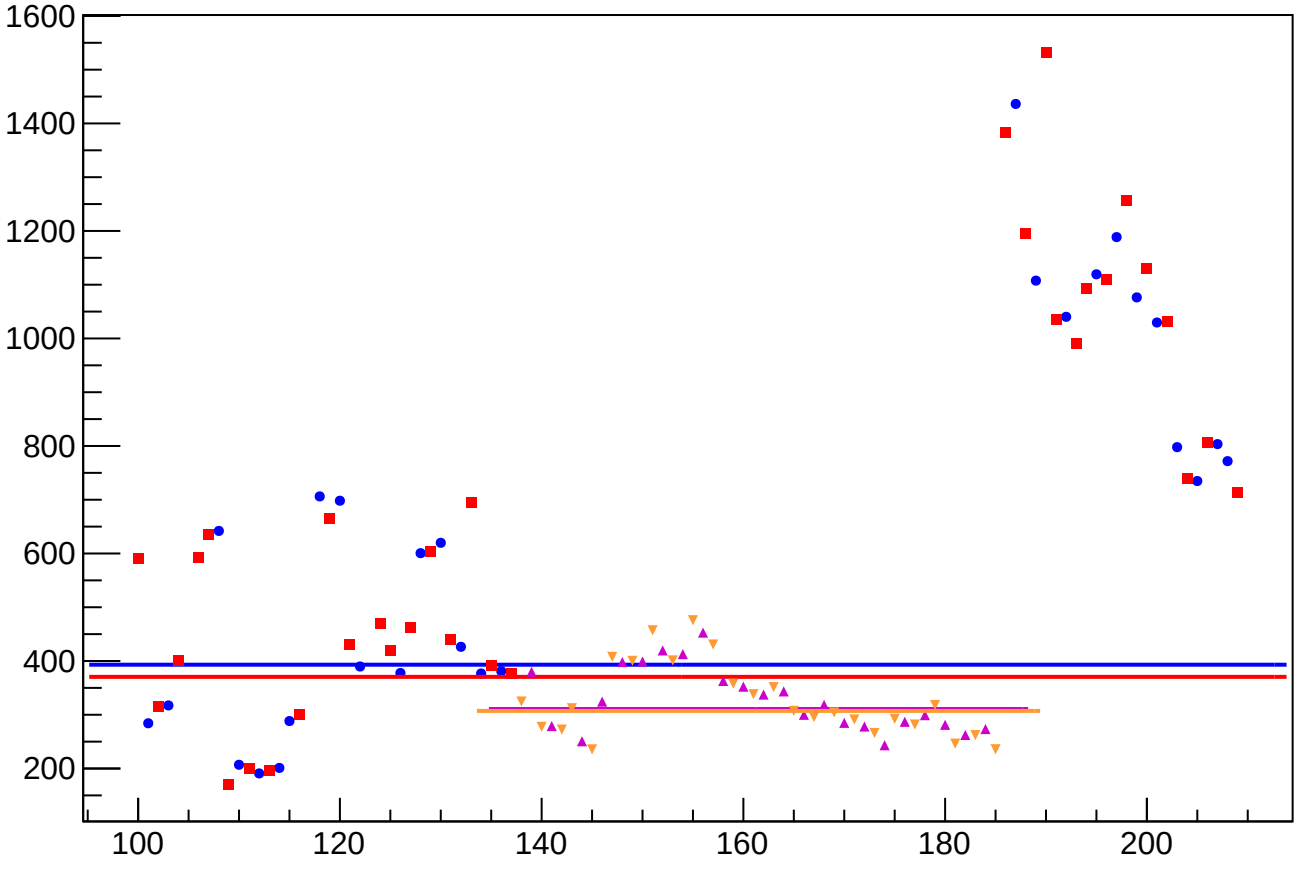
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -247.314+/-60.864 χ^2/NDF: 94.7/51

All: -176.833+/-43.215 χ^2/NDF: 153.5/106

- sign -105.180+/-61.369 χ^2/NDF: 56.0/54

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 370.505+/-0.078 χ^2/NDF: 11481248.4/31

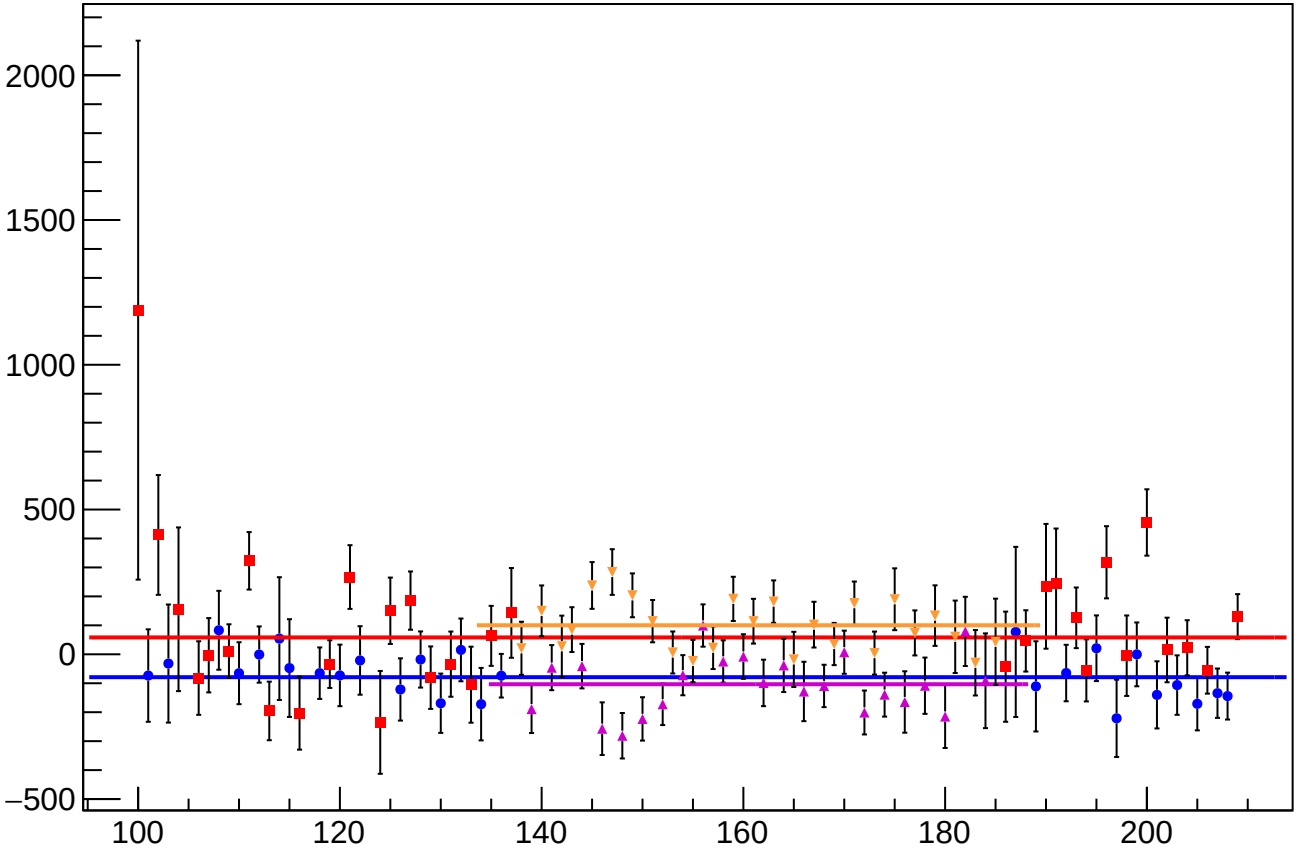
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 330.414+/-0.043 χ^2/NDF: 10953866.4/51

All: 329.808+/-0.031 χ^2/NDF: 23920737.4/10

- sign 329.191+/-0.043 χ^2/NDF: 12966470.4/54

dit_asym_sam7_mean vs Slug



Right In: -79.069+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 58.243+/-20.504 χ^2/NDF: 61.1/31

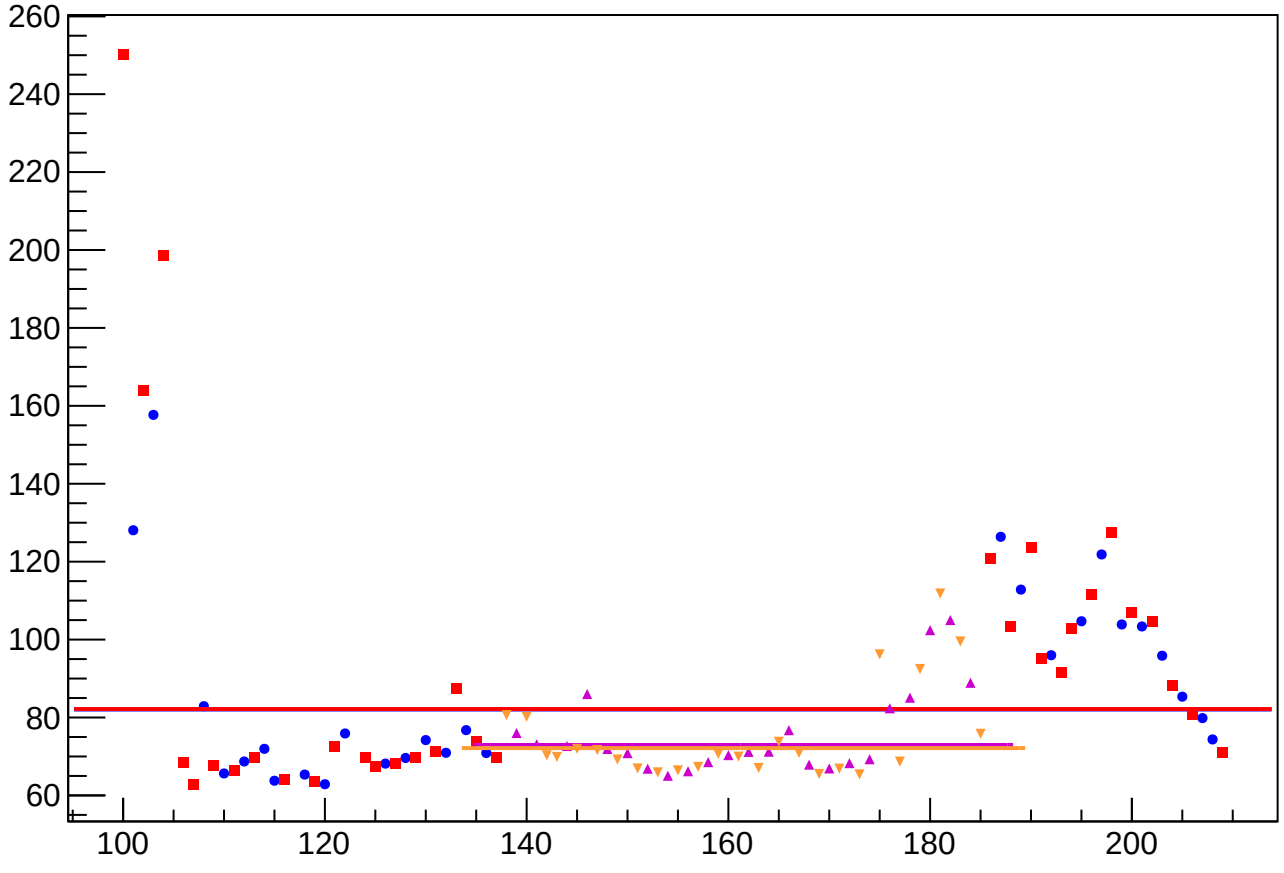
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 32.091+/-13.089 χ^2/NDF: 82.6/51

All: -1.822+/-9.296 χ^2/NDF: 226.3/106

- sign -36.340+/-13.205 χ^2/NDF: 130.2/54

dit_asym_sam7_rms vs Slug



Right In: 82.064+/-0.015 χ^2/NDF: 1467074.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.168+/-0.014 χ^2/NDF: 2116451.3/31

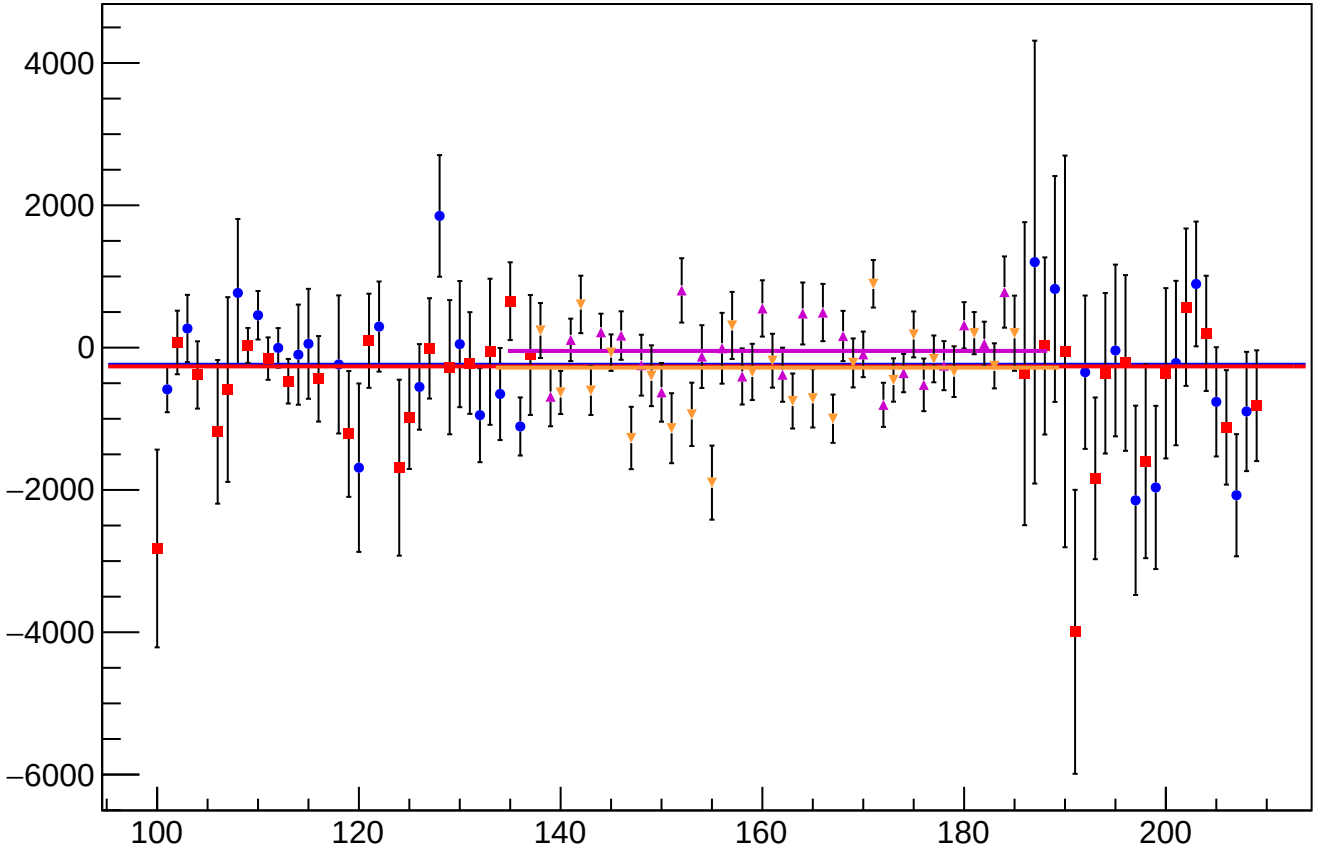
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.919+/-0.009 χ^2/NDF: 2379472.6/51

All: 76.342+/-0.007 χ^2/NDF: 5245839.4/106

- sign 76.772+/-0.009 χ^2/NDF: 2862157.4/54

asym_sam7_dit_correction_mean vs Slug



Right In: -241.030+/-119.079 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -263.902+/-112.121 χ^2/NDF: 22.8/31

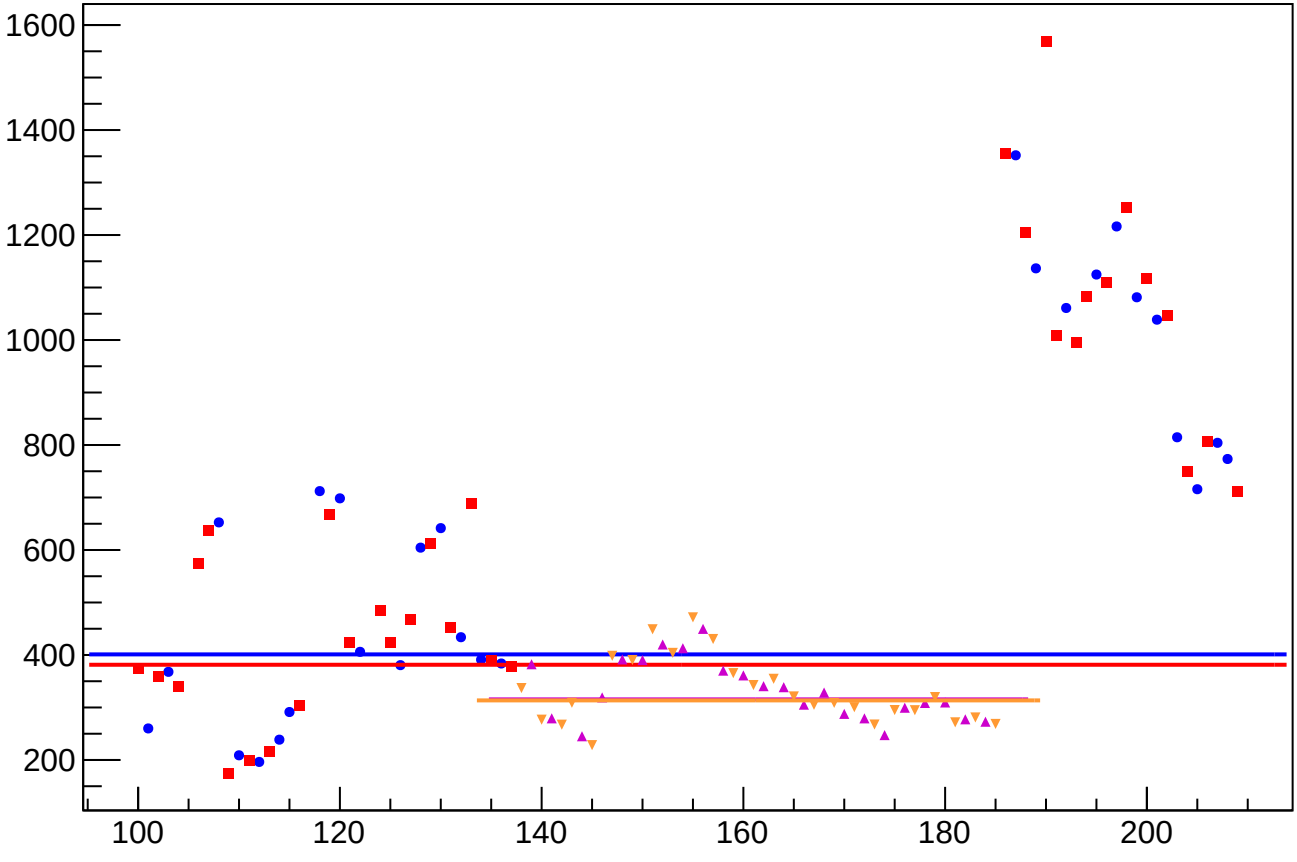
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -270.332+/-61.949 χ^2/NDF: 92.2/51

All: -192.396+/-43.921 χ^2/NDF: 151.5/106

- sign -113.626+/-62.280 χ^2/NDF: 56.1/54

asym_sam7_dit_correction_rms vs Slug



Right In: 401.141+/-0.084 χ^2/NDF: 8747099.9/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 381.379+/-0.079 χ^2/NDF: 11076429.6/31

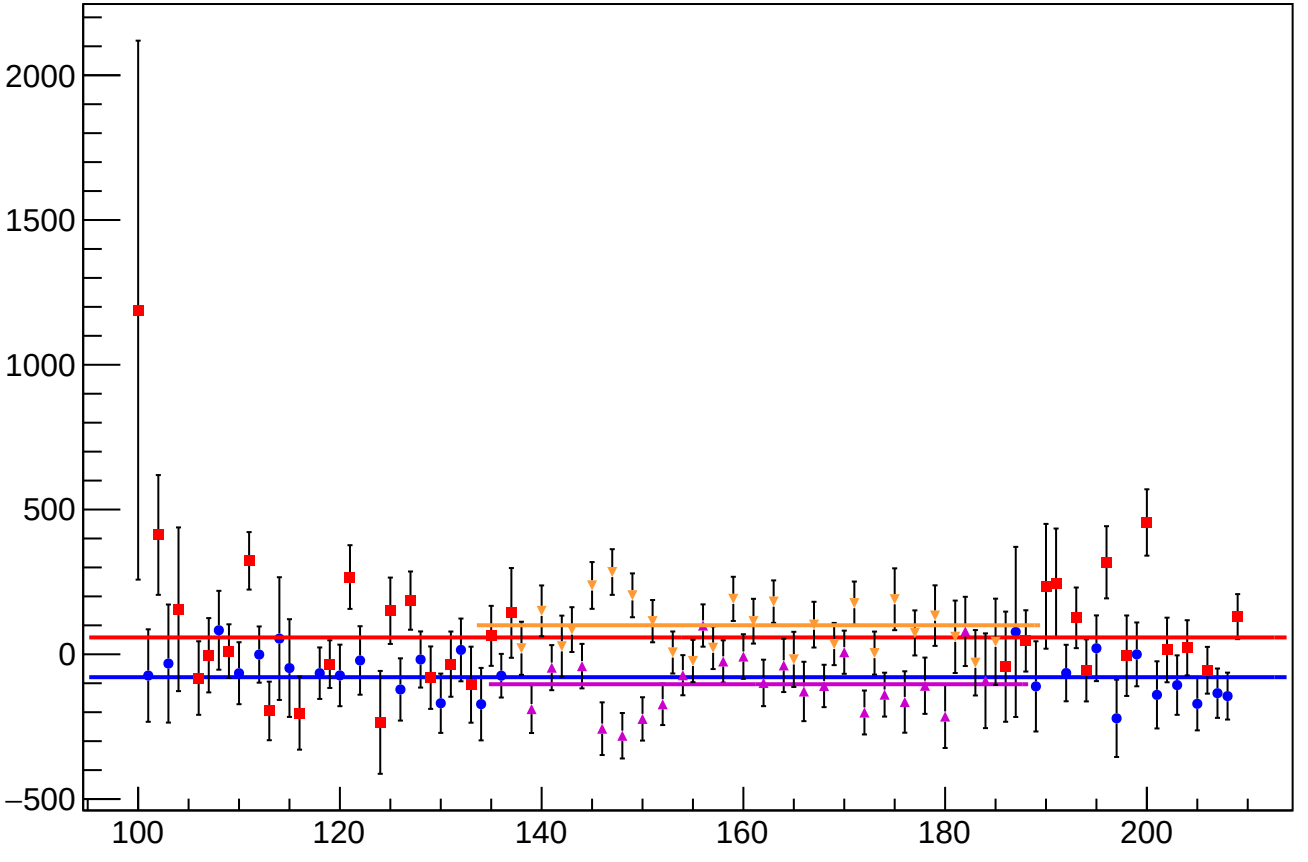
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

\+ sign 337.220+/-0.044 χ^2/NDF: 10712779.0/51

All: 336.511+/-0.031 χ^2/NDF: 23276342.4/10

\- sign 335.796+/-0.044 χ^2/NDF: 12563038.0/54

eigen_dit_asym_sam7_mean vs Slug



Right In: -79.068+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 58.244+/-20.504 χ^2/NDF: 61.1/31

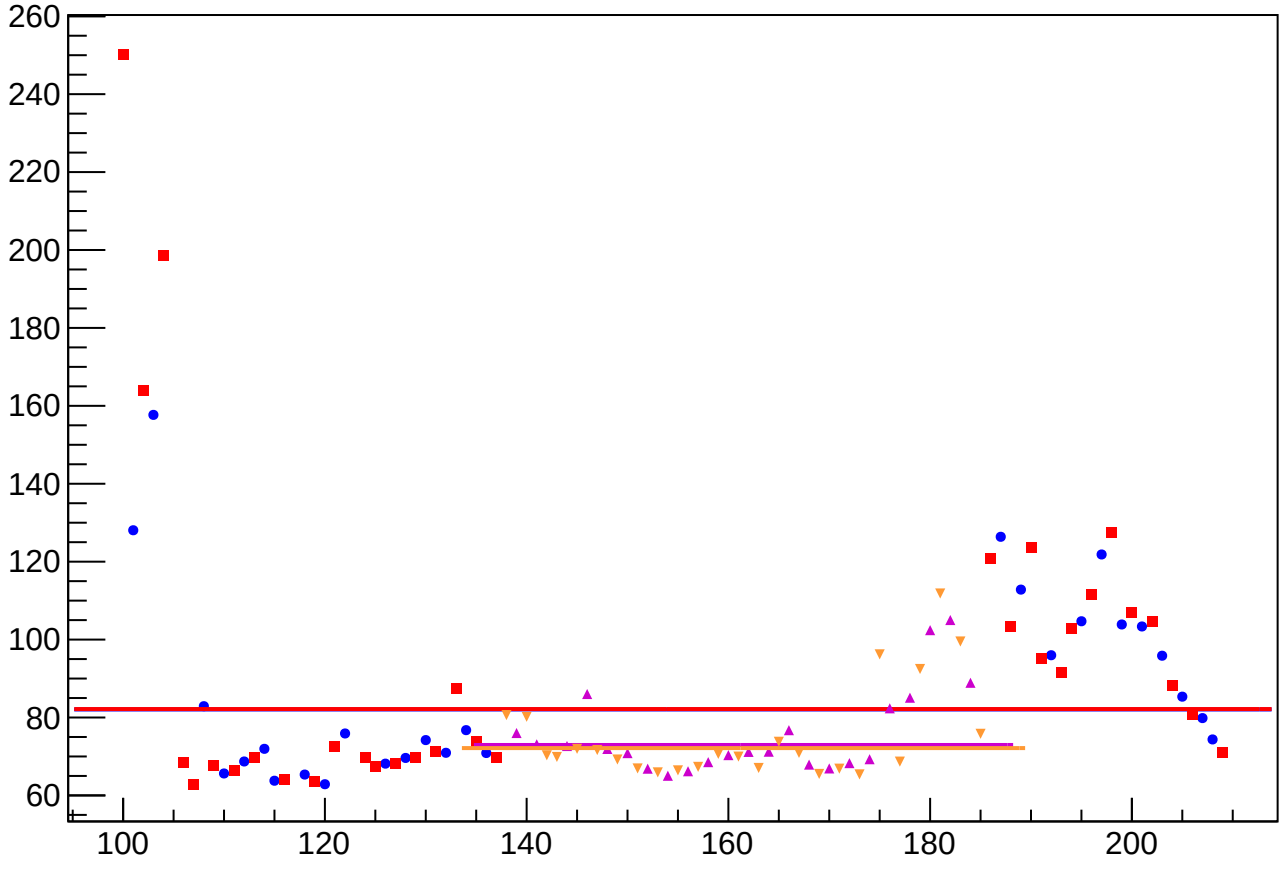
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 32.091+/-13.089 χ^2/NDF: 82.6/51

All: -1.822+/-9.296 χ^2/NDF: 226.3/106

- sign -36.339+/-13.205 χ^2/NDF: 130.2/54

eigen_dit_asym_sam7_rms vs Slug



Right In: 82.064+/-0.015 χ^2/NDF: 1467082.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

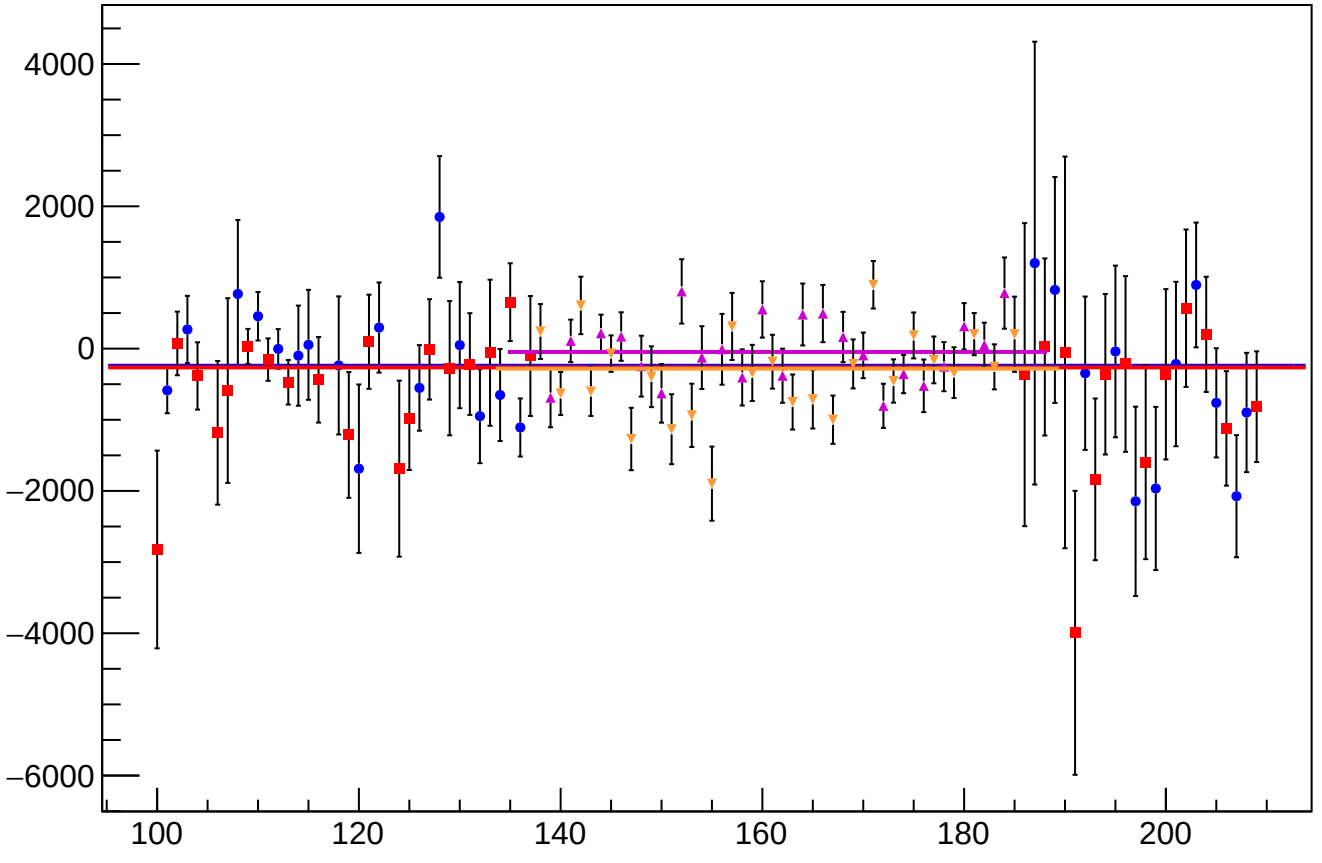
Right Out: 82.168+/-0.014 χ^2/NDF: 2116453.3/31

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.919+/-0.009 χ^2/NDF: 2379472.0/51

All: 76.342+/-0.007 χ^2/NDF: 5245835.1/106

- sign 76.772+/-0.009 χ^2/NDF: 2862153.8/54



Right In: -241.027+/-119.078 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -263.900+/-112.121 χ^2/NDF: 22.8/31

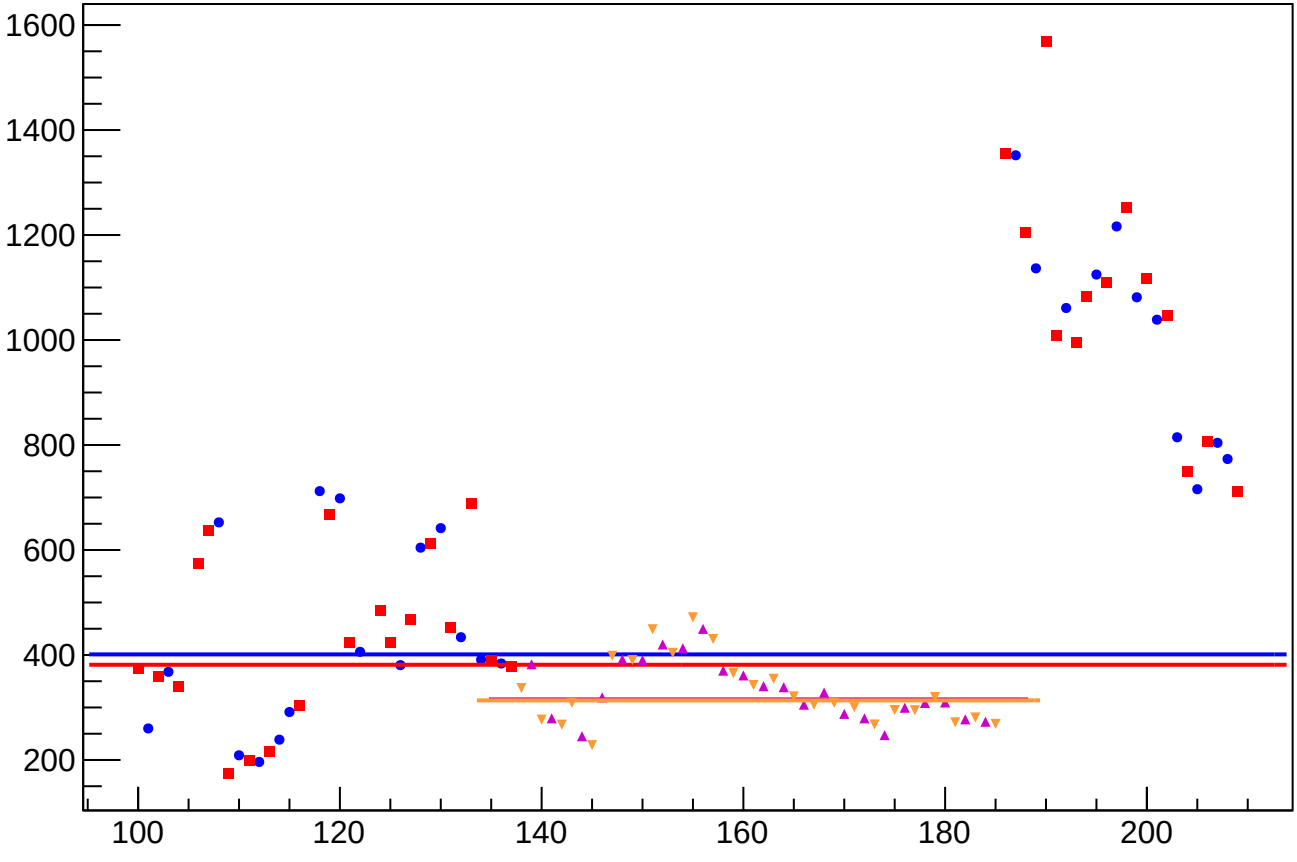
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -270.331+/-61.949 χ^2/NDF: 92.2/51

All: -192.396+/-43.921 χ^2/NDF: 151.5/106

- sign -113.625+/-62.280 χ^2/NDF: 56.1/54

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 401.138+/-0.084 χ^2/NDF: 8747189.7/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 381.377+/-0.079 χ^2/NDF: 11076482.0/31

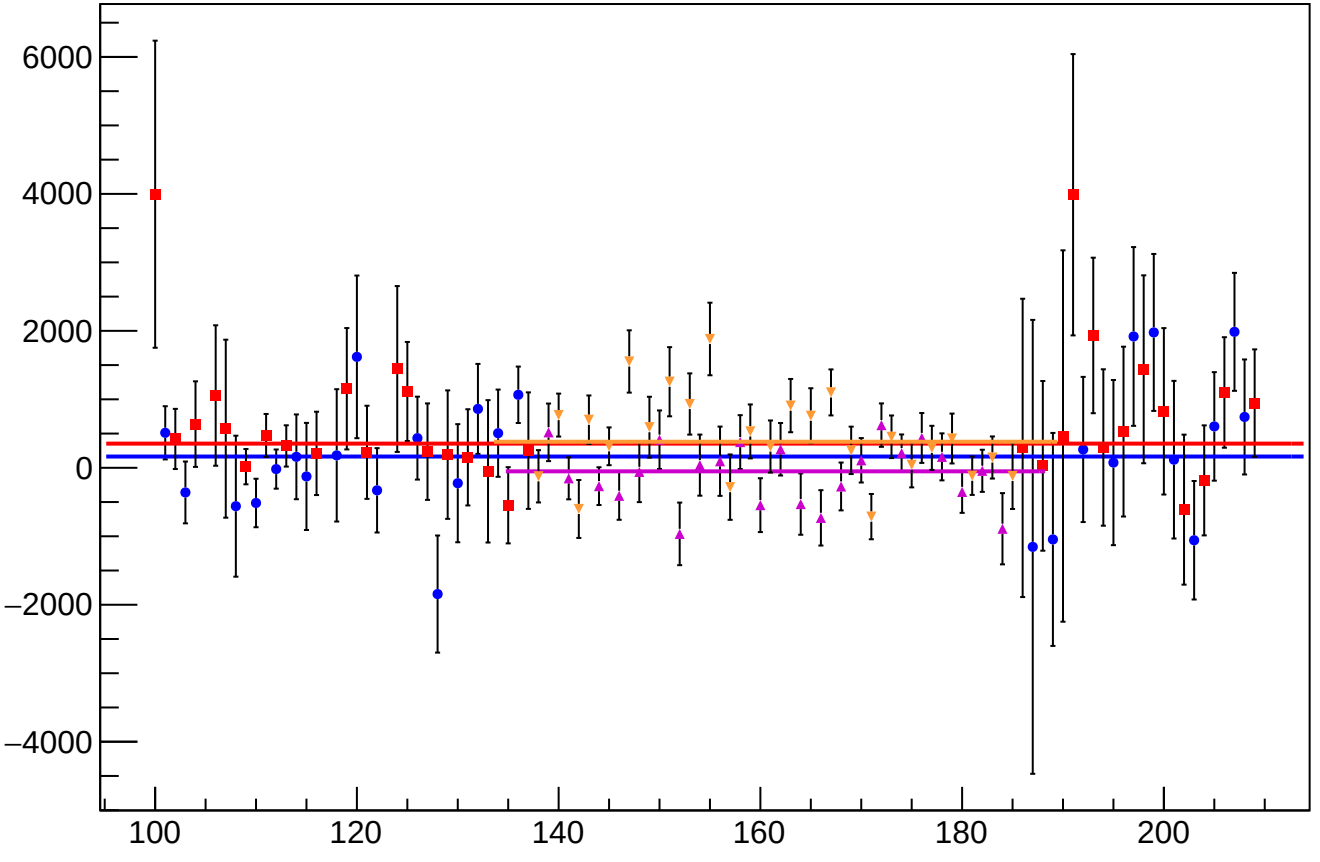
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 337.219+/-0.044 χ^2/NDF: 10712825.5/51

All: 336.511+/-0.031 χ^2/NDF: 23276410.4/10

- sign 335.795+/-0.044 χ^2/NDF: 12563059.7/54

asym_sam7_mean vs Slug



Right In: 164.609+/-121.866 χ^2/NDF: 33.4/26

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 353.215+/-115.236 χ^2/NDF: 19.6/31

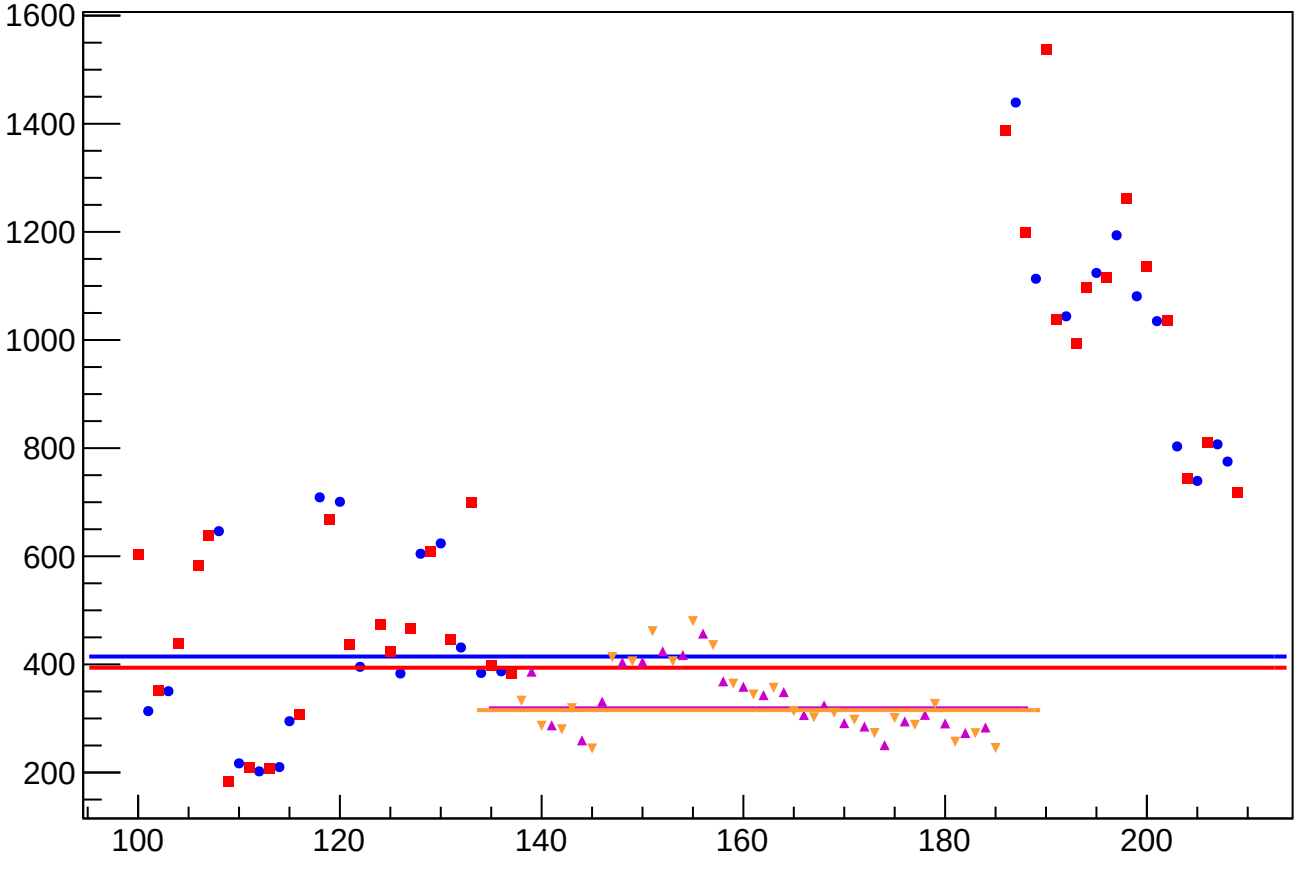
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 323.516+/-62.660 χ^2/NDF: 91.2/51

All: 198.081+/-44.507 χ^2/NDF: 155.7/106

- sign 70.359+/-63.228 χ^2/NDF: 56.4/54

asym_sam7_rms vs Slug



Right In: 414.545+/-0.086 χ^2/NDF: 8294072.1/26

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

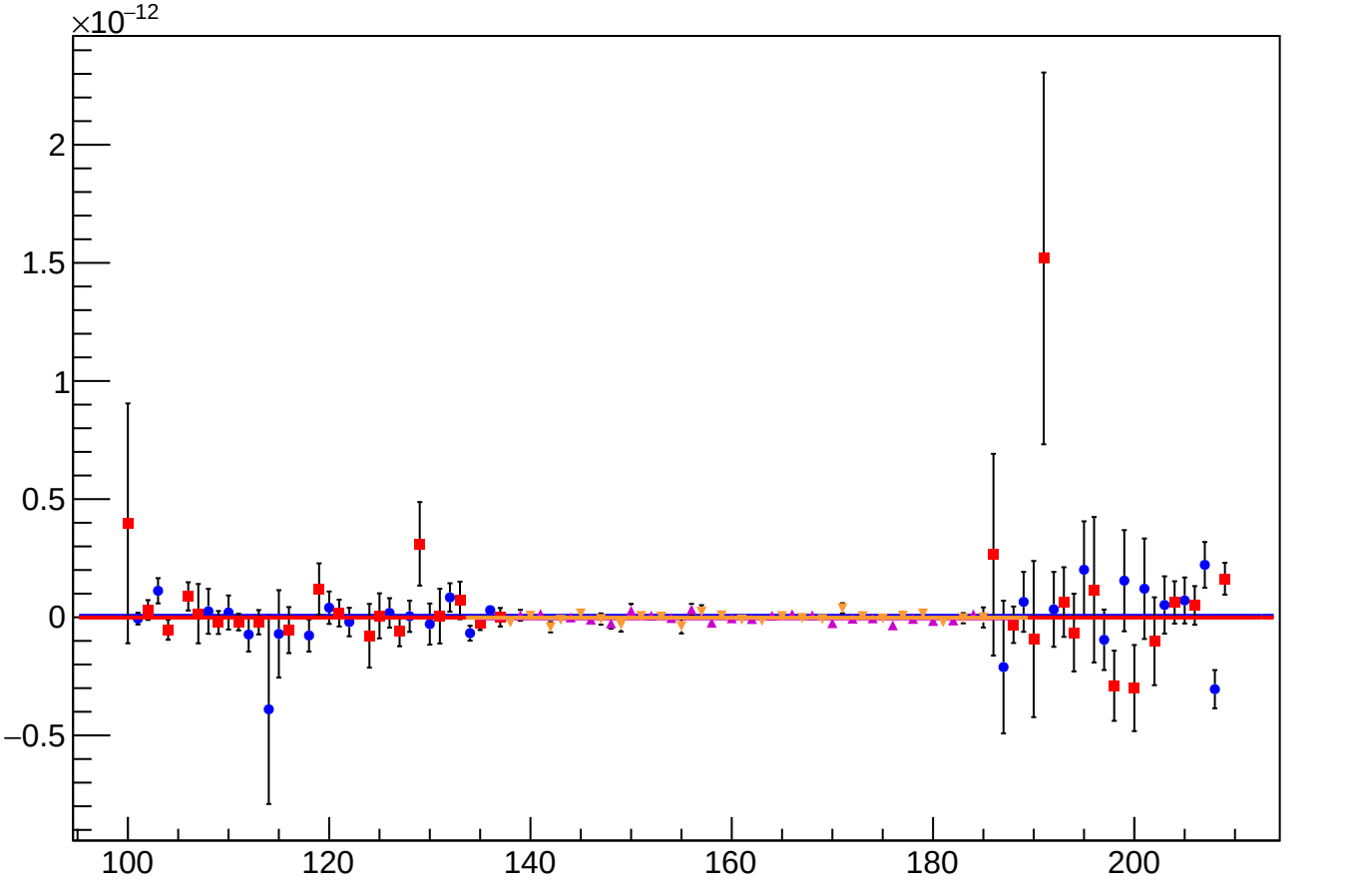
Right Out: 393.859+/-0.081 χ^2/NDF: 10826276.7/31

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 341.608+/-0.044 χ^2/NDF: 10478049.9/51

All: 341.465+/-0.031 χ^2/NDF: 22890775.1/10

- sign 341.319+/-0.045 χ^2/NDF: 12412704.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

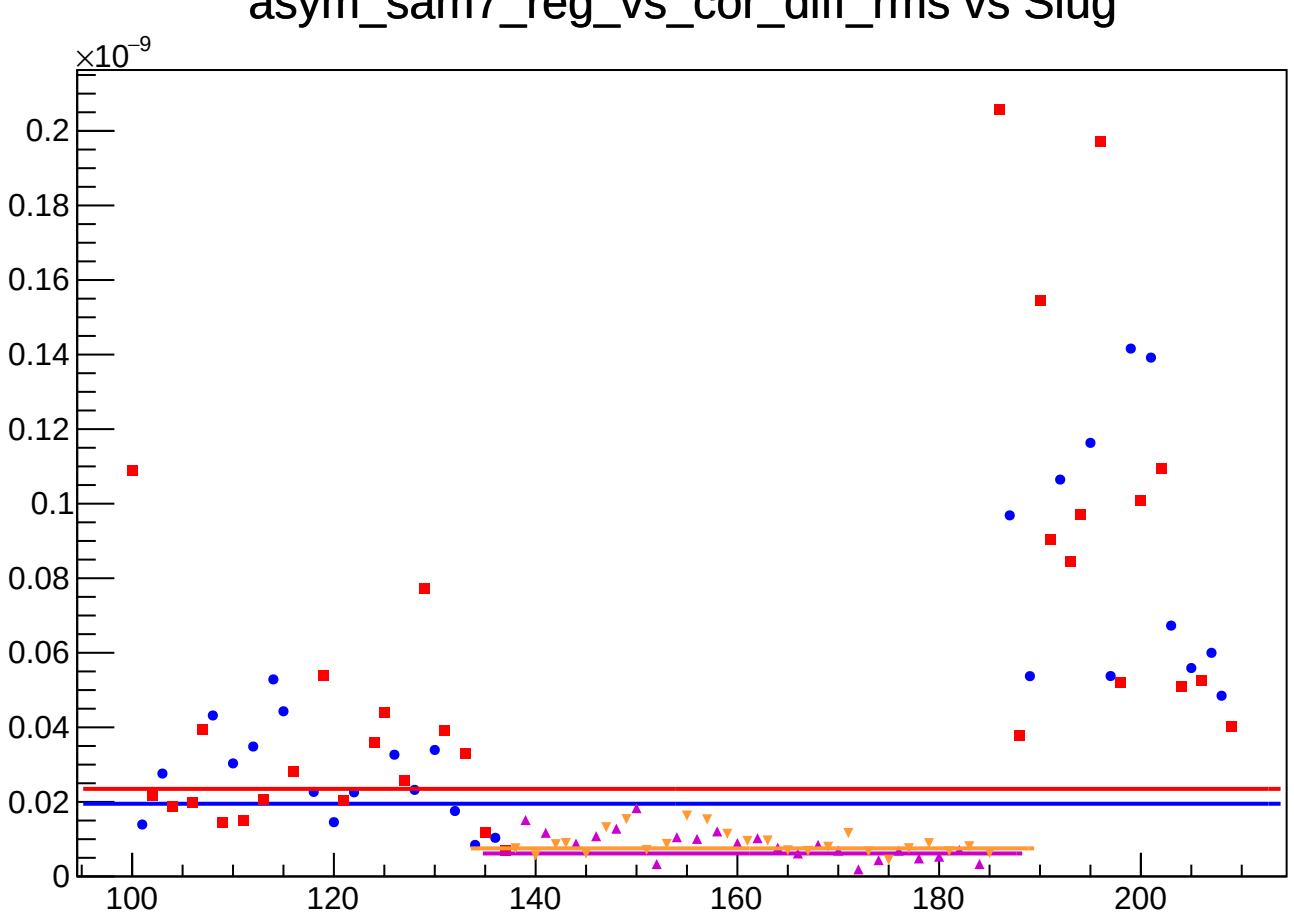
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/31

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/51

All: -0.000+/-0.000 χ^2/NDF: 110.3/106

- sign -0.000+/-0.000 χ^2/NDF: 49.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 5380973.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5083386.9/31

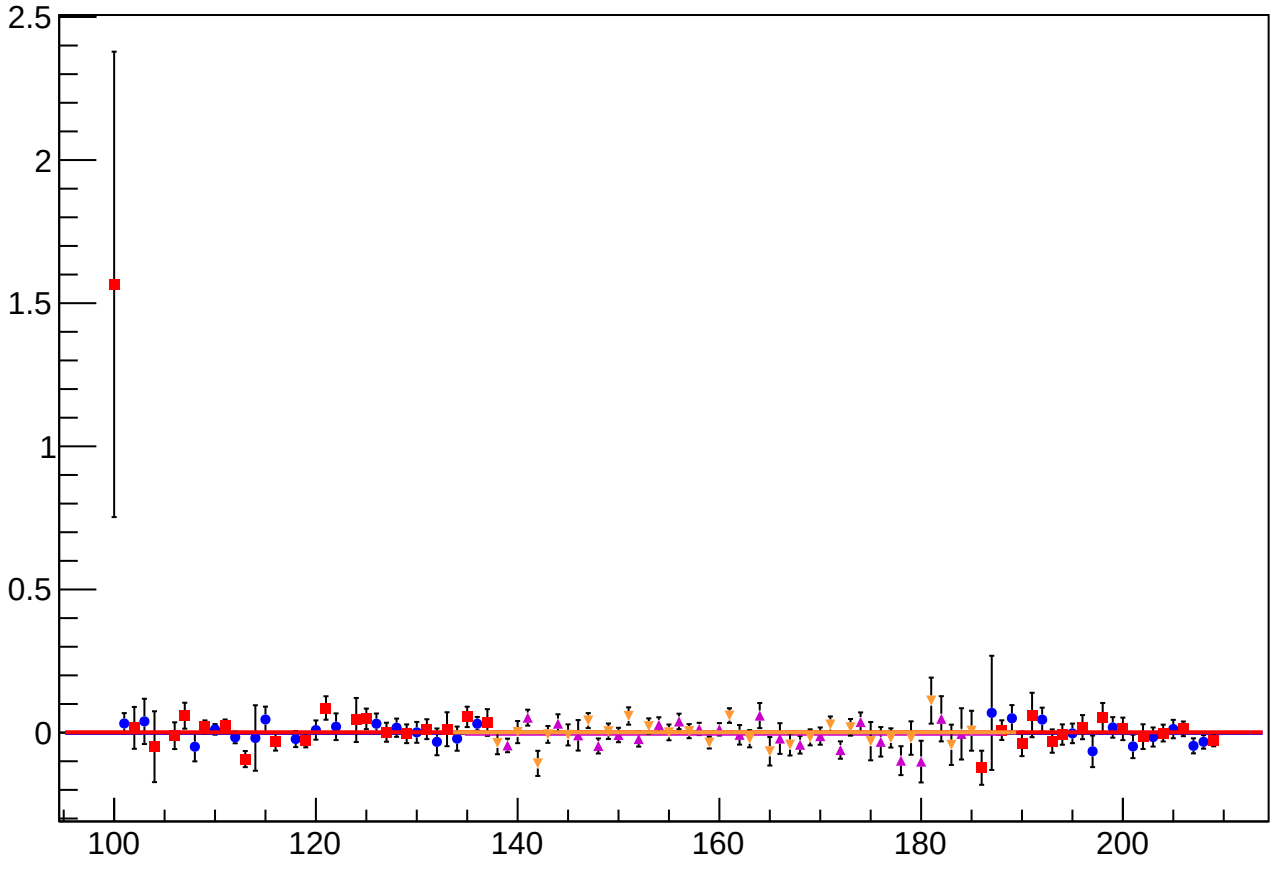
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8951346.4/51

All: 0.000+/-0.000 χ^2/NDF: 20946057.1/106

- sign 0.000+/-0.000 χ^2/NDF: 11790594.2/54

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.001+/-0.006 χ^2/NDF: 40.6/31

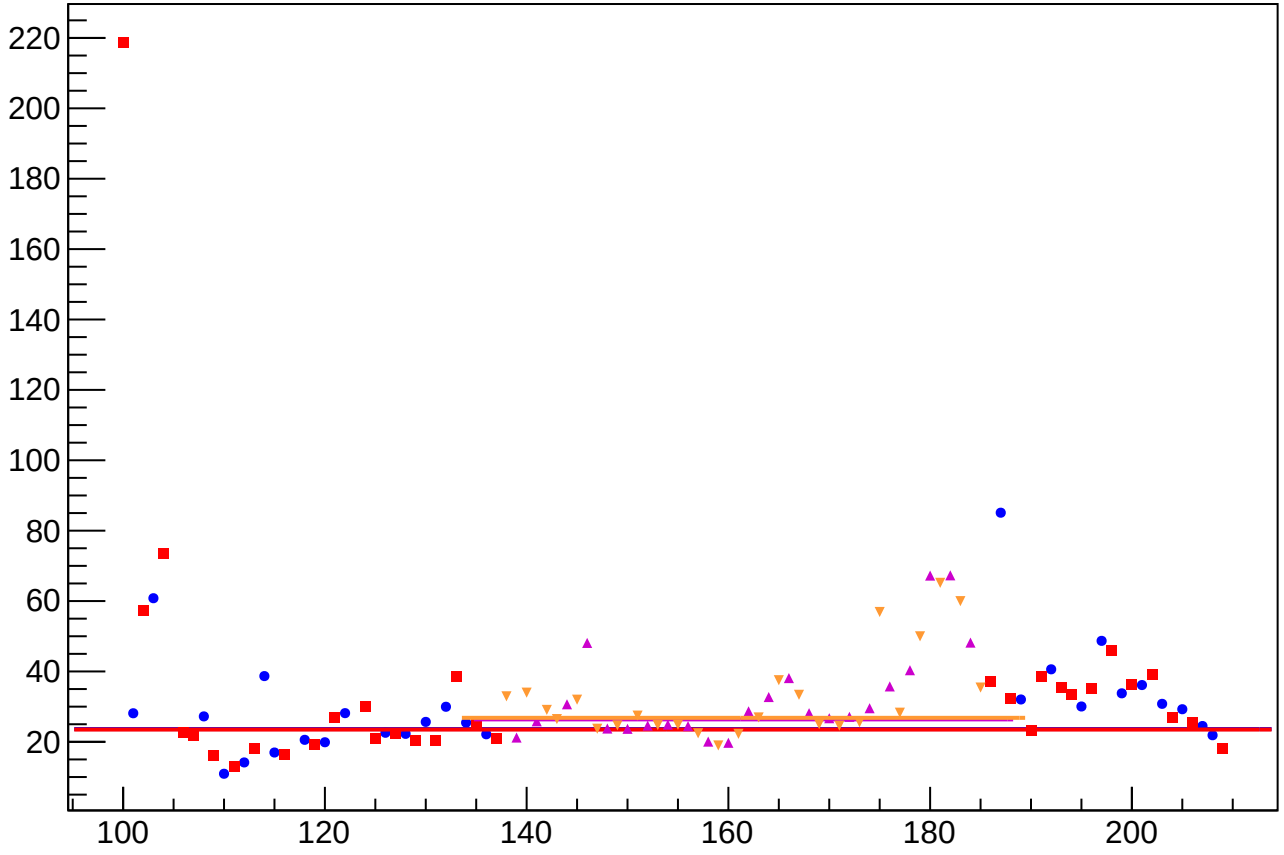
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: -0.001+/-0.003 χ^2/NDF: 121.6/106

- sign -0.001+/-0.005 χ^2/NDF: 72.1/54

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.494+/-0.004 χ^2/NDF: 3943685.6/31

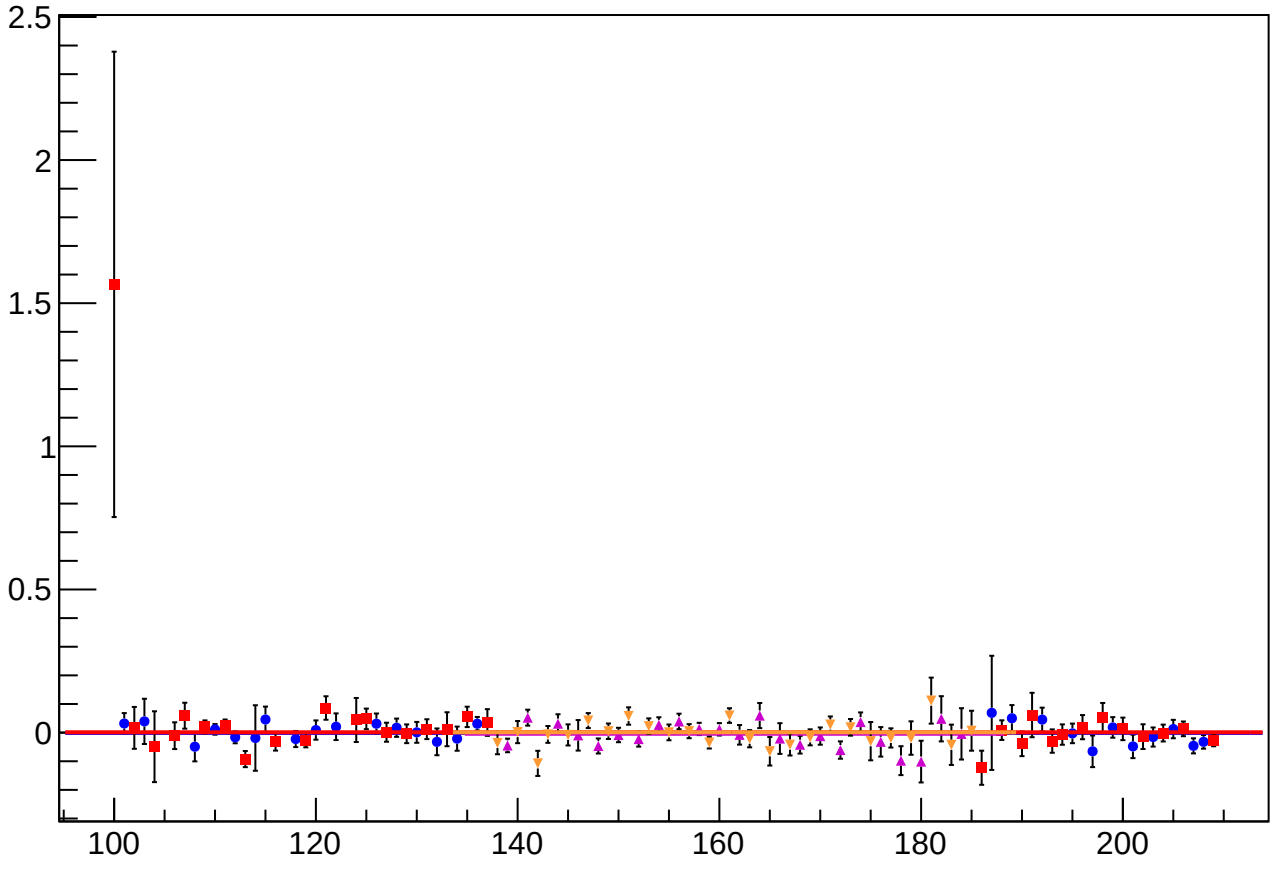
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329901.2/51

All: 25.035+/-0.002 χ^2/NDF: 13048654.6/106

- sign 24.849+/-0.003 χ^2/NDF: 6711968.6/54

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.001+/-0.006 χ^2/NDF: 40.6/31

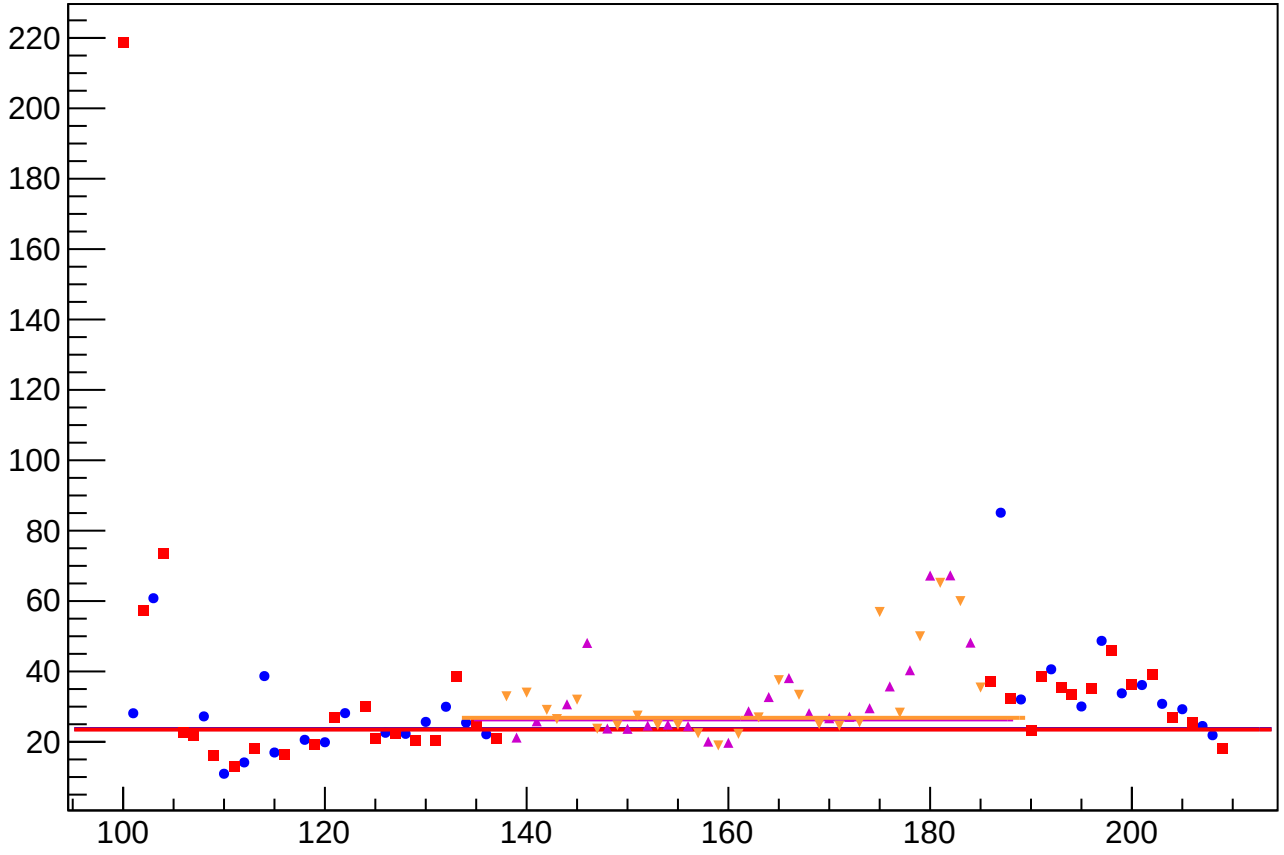
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: -0.001+/-0.003 χ^2/NDF: 121.6/106

- sign -0.001+/-0.005 χ^2/NDF: 72.1/54

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

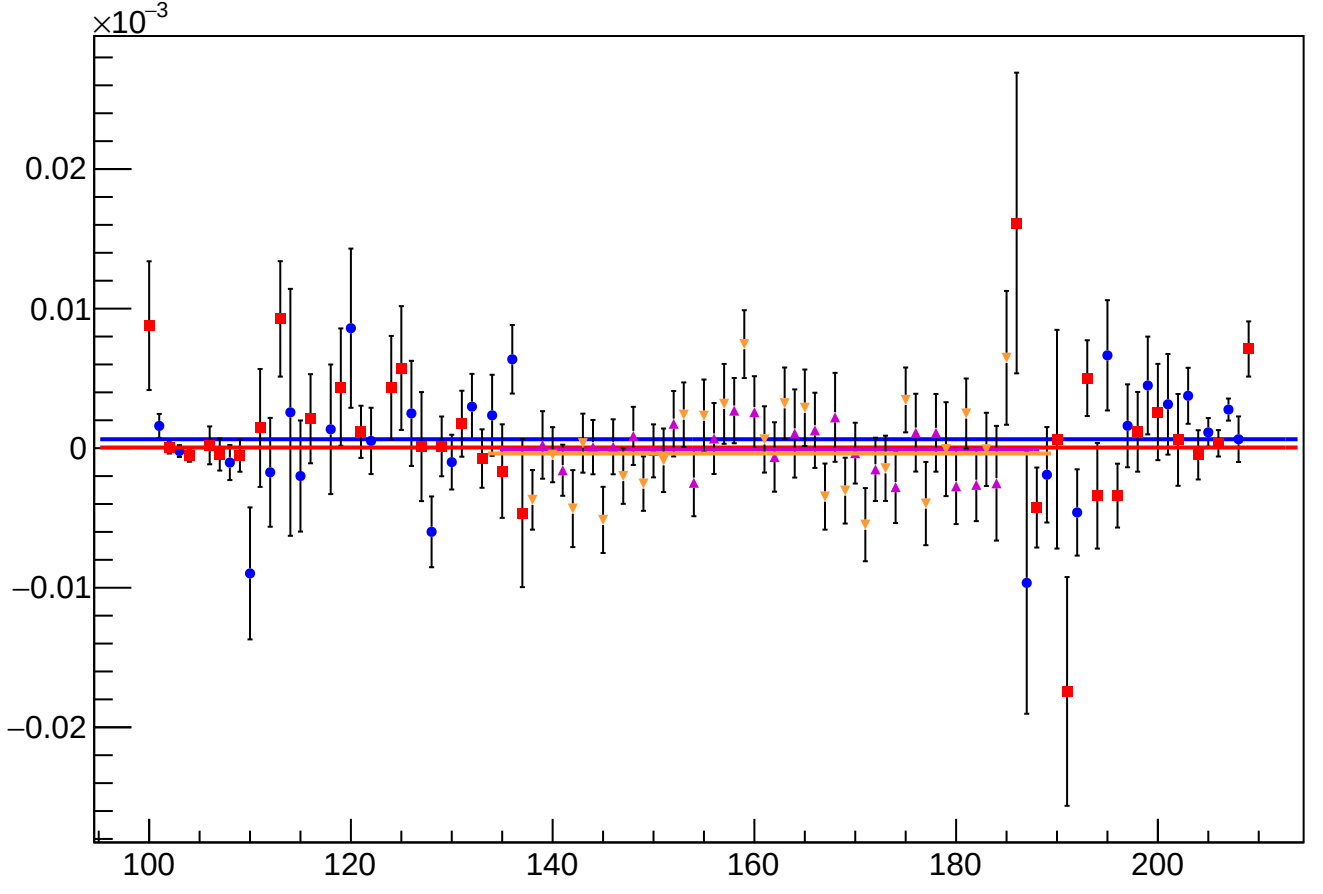
Right Out: 23.494+/-0.004 χ^2/NDF: 3943685.6/31

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329901.2/51

All: 25.035+/-0.002 χ^2/NDF: 13048654.6/106

- sign 24.849+/-0.003 χ^2/NDF: 6711968.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 47.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/31

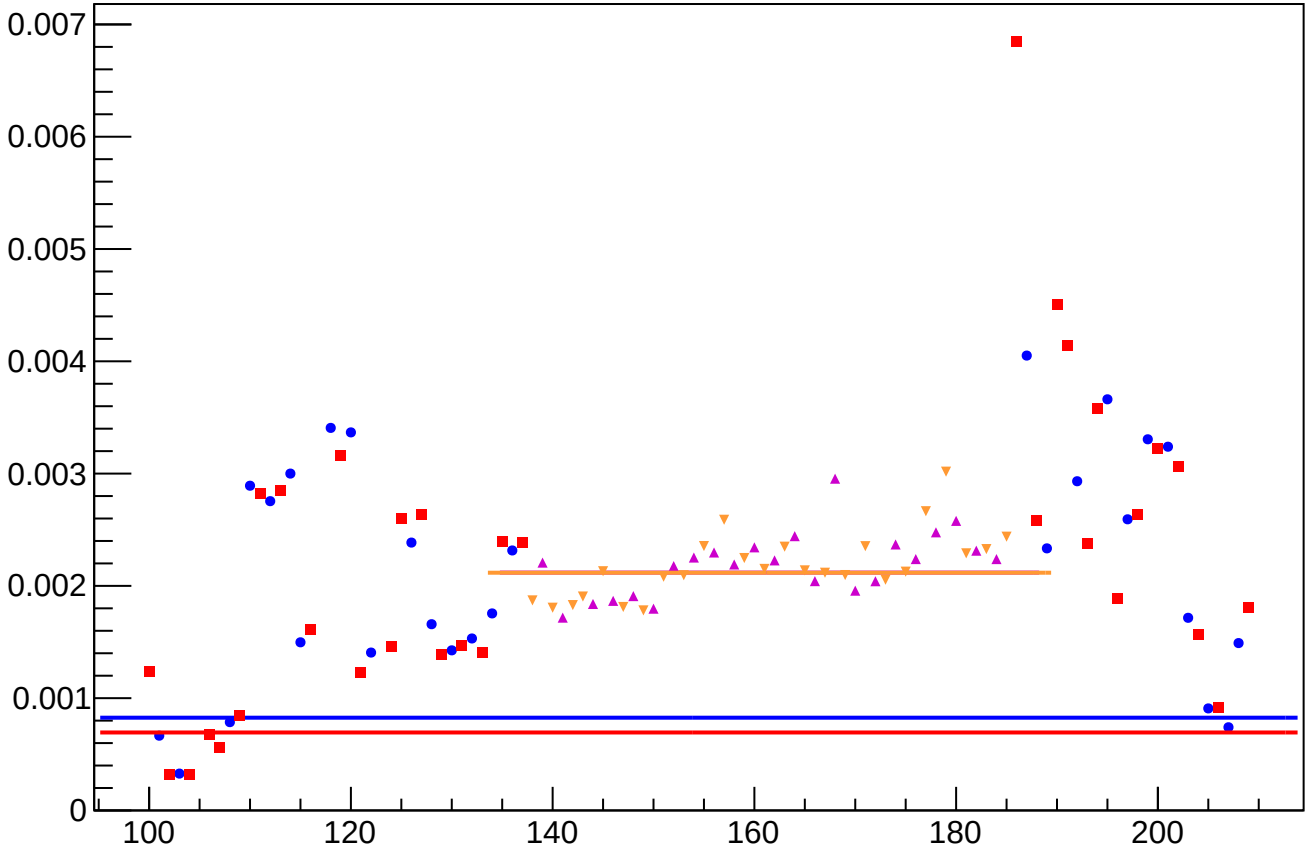
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 93.6/51

All: 0.000+/-0.000 χ^2/NDF: 151.5/106

- sign 0.000+/-0.000 χ^2/NDF: 56.6/54

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12854126.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16646132.7/31

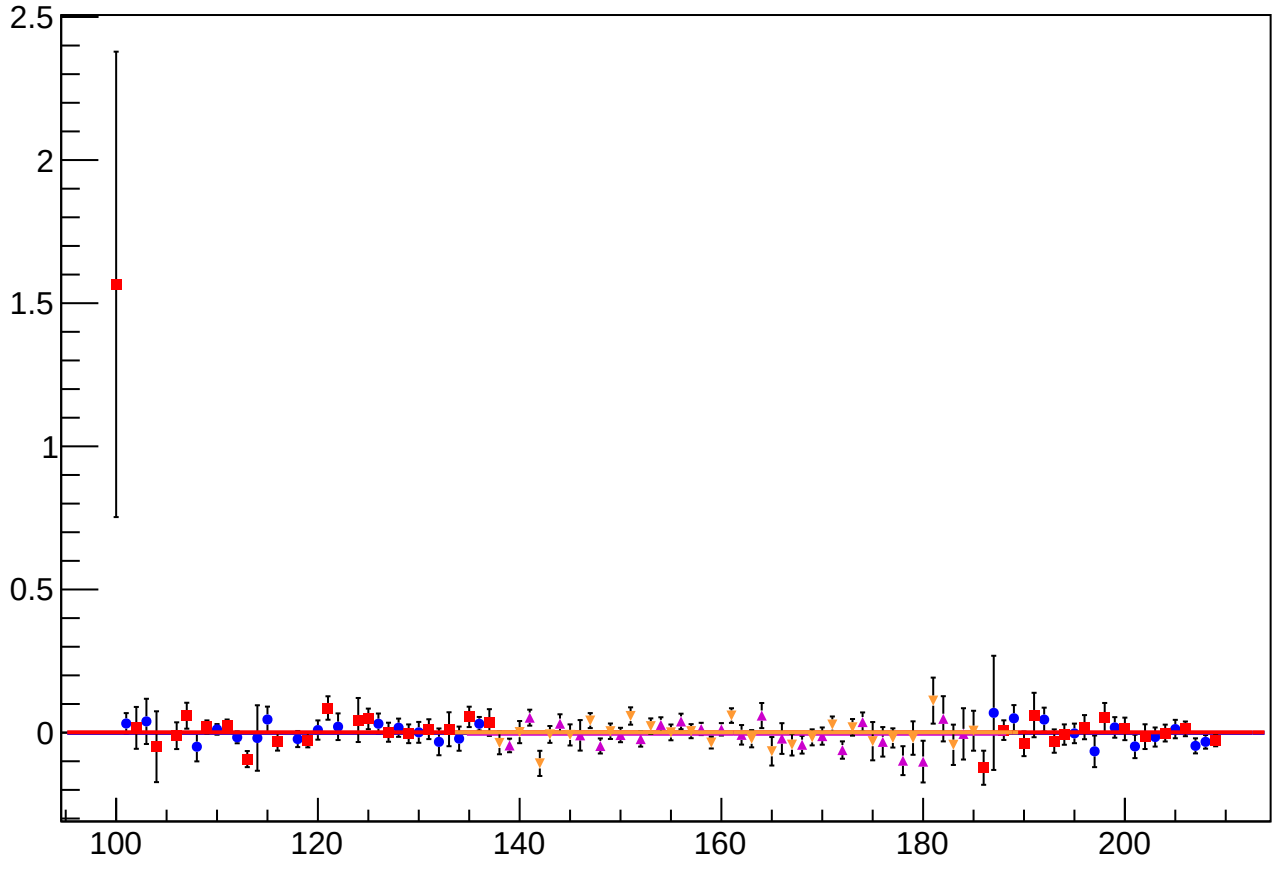
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 24005671.2/51

All: 0.001+/-0.000 χ^2/NDF: 55064329.7/106

- sign 0.001+/-0.000 χ^2/NDF: 30399082.1/54

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.001+/-0.006 χ^2/NDF: 40.6/31

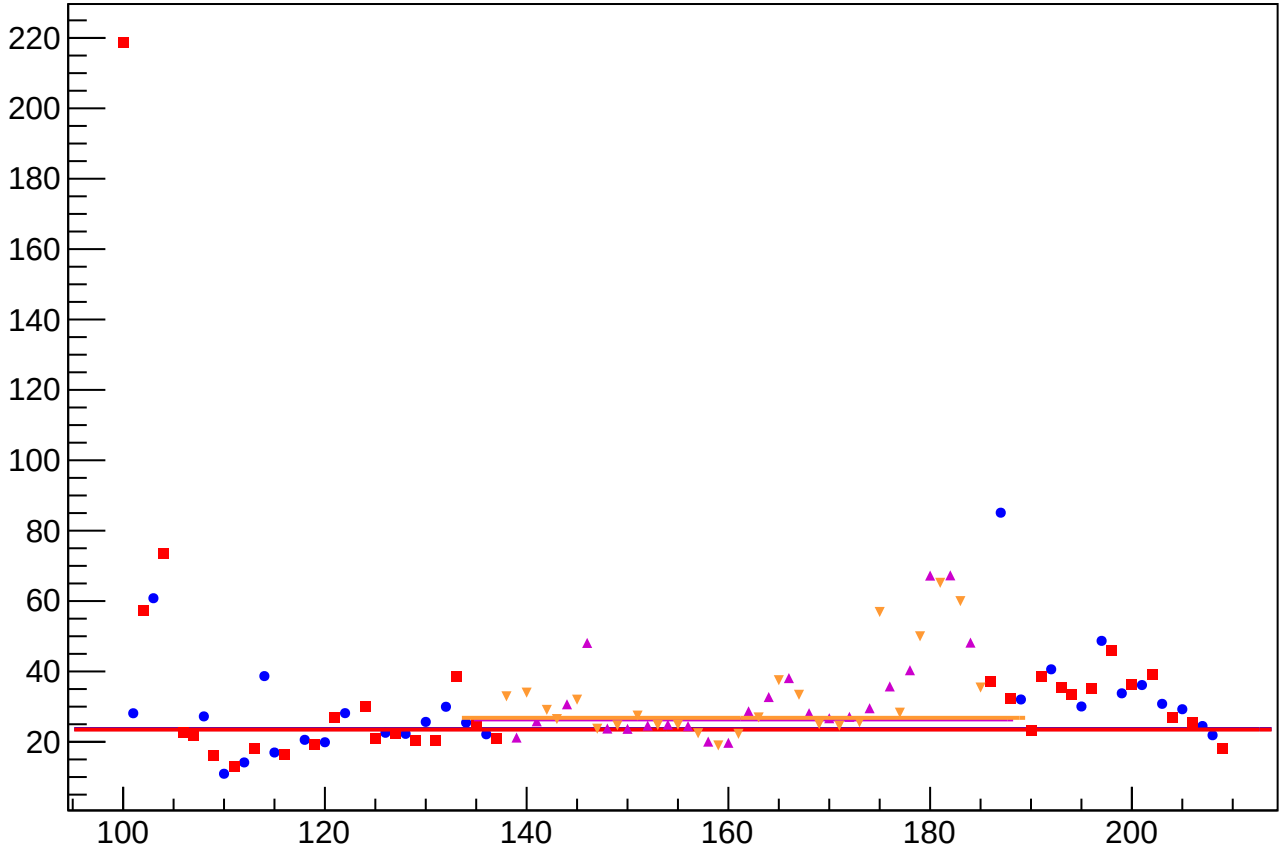
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: -0.001+/-0.003 χ^2/NDF: 121.6/106

- sign -0.001+/-0.005 χ^2/NDF: 72.1/54

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

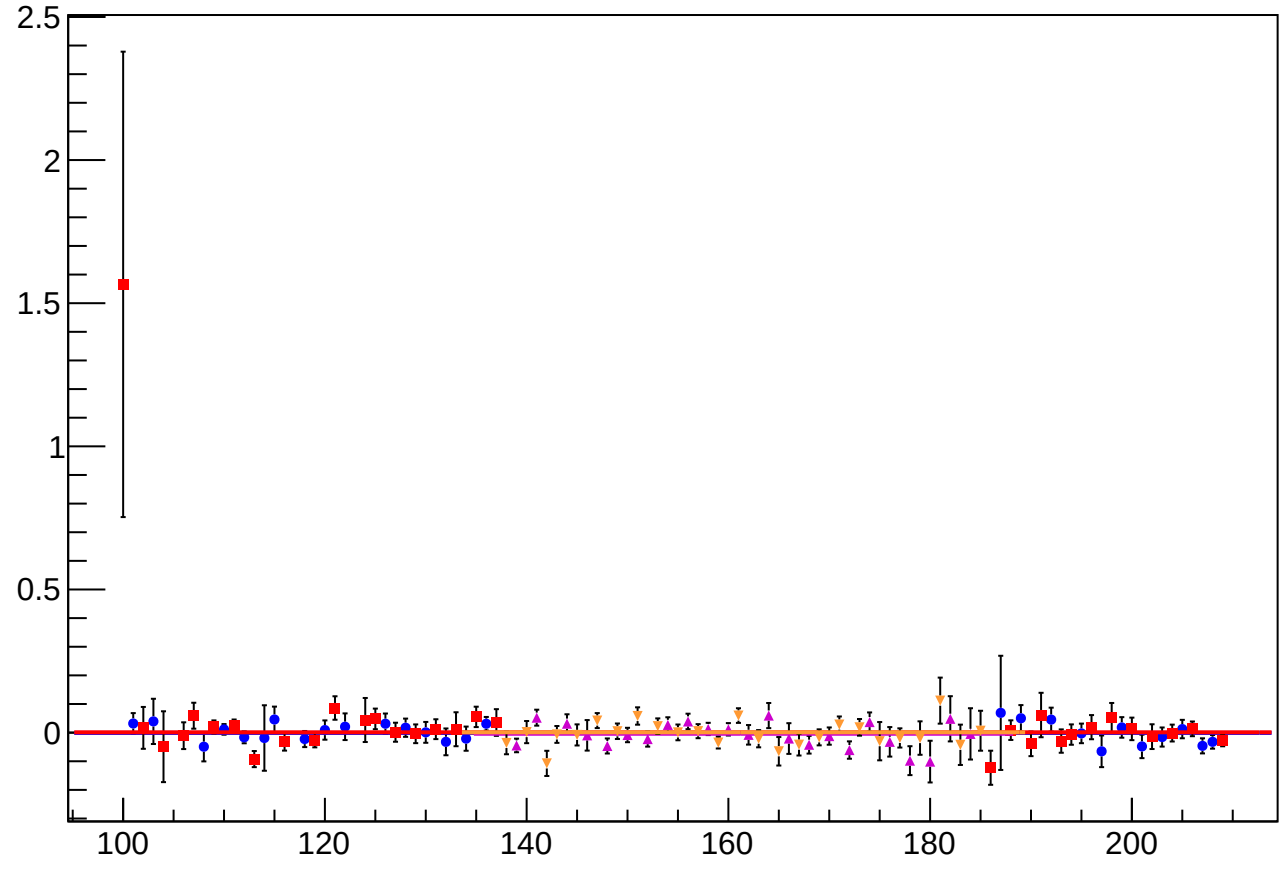
Right Out: 23.494+/-0.004 χ^2/NDF: 3943486.6/31

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329618.1/51

All: 25.035+/-0.002 χ^2/NDF: 13048254.3/106

- sign 24.849+/-0.003 χ^2/NDF: 6711843.4/54



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.001+/-0.006 χ^2/NDF: 40.6/31

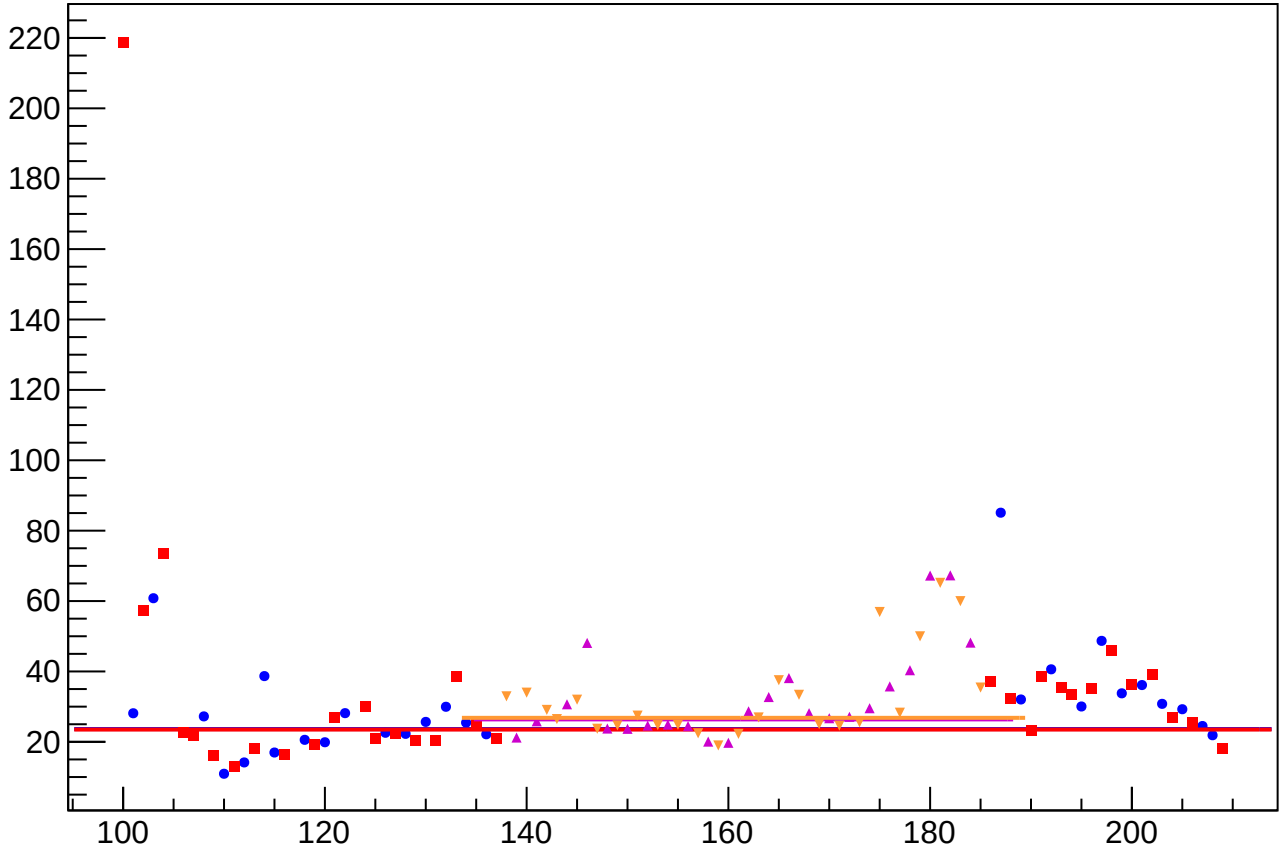
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.005 χ^2/NDF: 49.5/51

All: -0.001+/-0.003 χ^2/NDF: 121.6/106

- sign -0.001+/-0.005 χ^2/NDF: 72.1/54

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.494+/-0.004 χ^2/NDF: 3943486.6/31

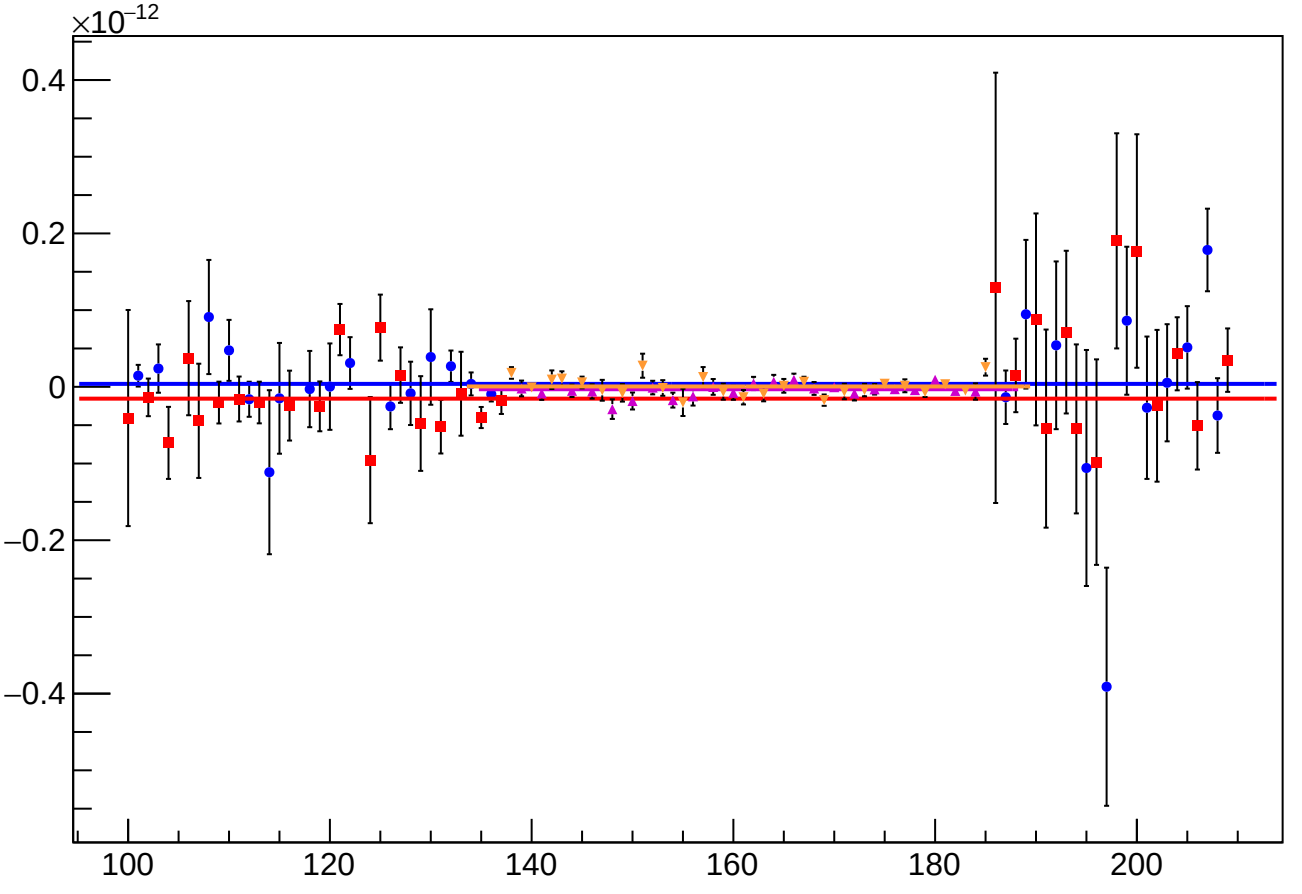
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.225+/-0.003 χ^2/NDF: 6329618.1/51

All: 25.035+/-0.002 χ^2/NDF: 13048254.3/106

- sign 24.849+/-0.003 χ^2/NDF: 6711843.4/54

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/31

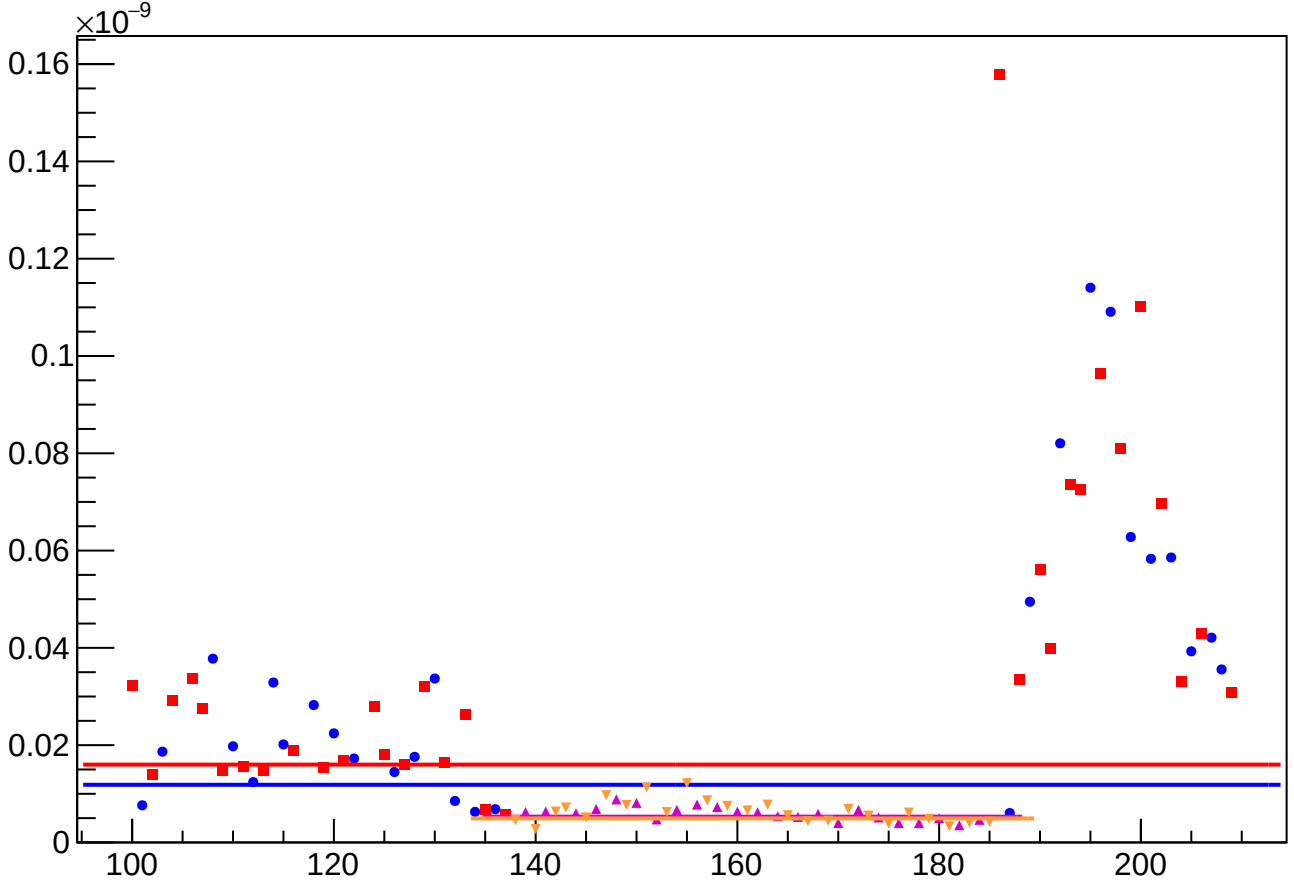
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.0/51

All: -0.000+/-0.000 χ^2/NDF: 121.8/106

- sign -0.000+/-0.000 χ^2/NDF: 52.4/54

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8511588.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7810179.2/31

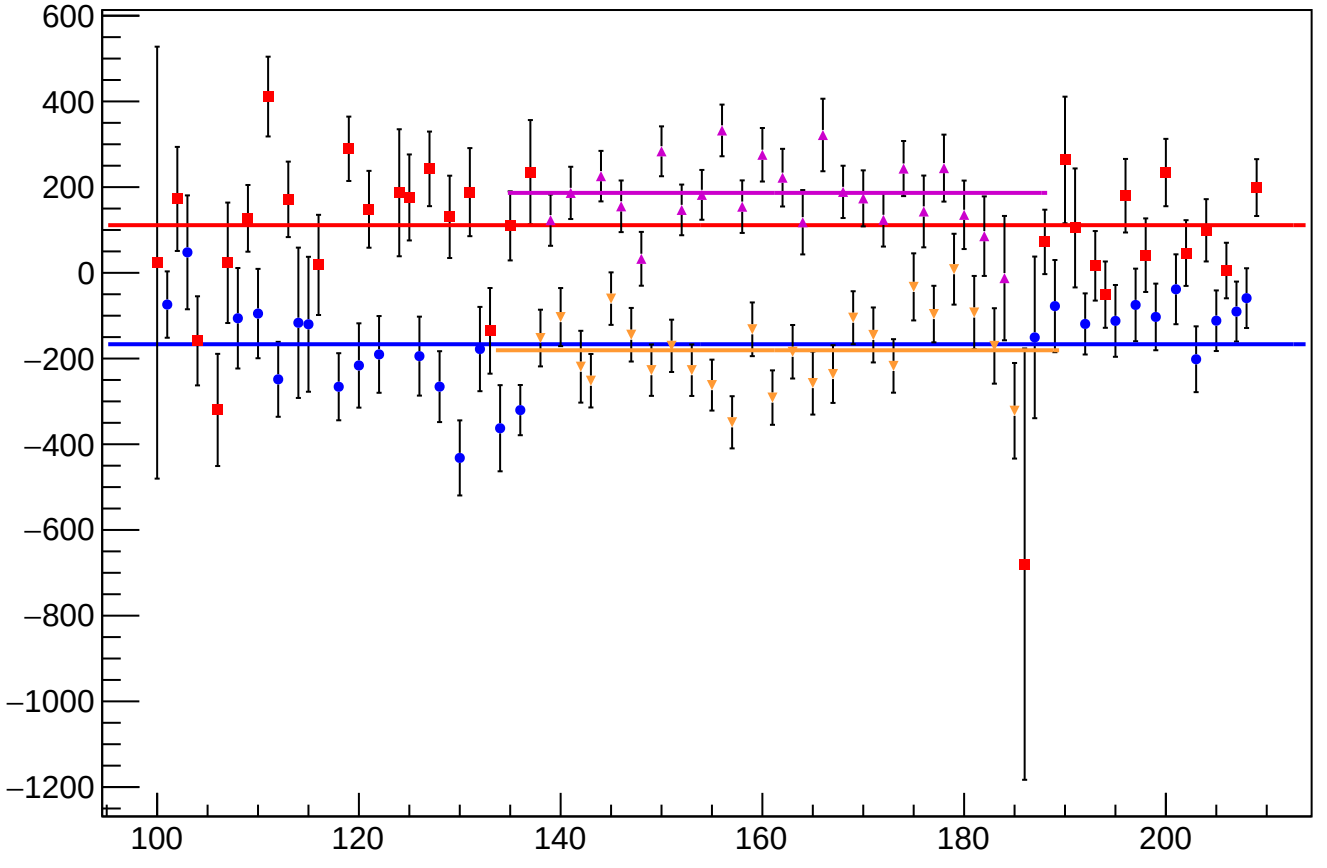
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14197446.4/51

All: 0.000+/-0.000 χ^2/NDF: 28169359.3/106

- sign 0.000+/-0.000 χ^2/NDF: 13882289.3/54

reg_asym_sam8_mean vs Slug



Right In: -166.612+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.228+/-16.407 χ^2/NDF: 64.8/31

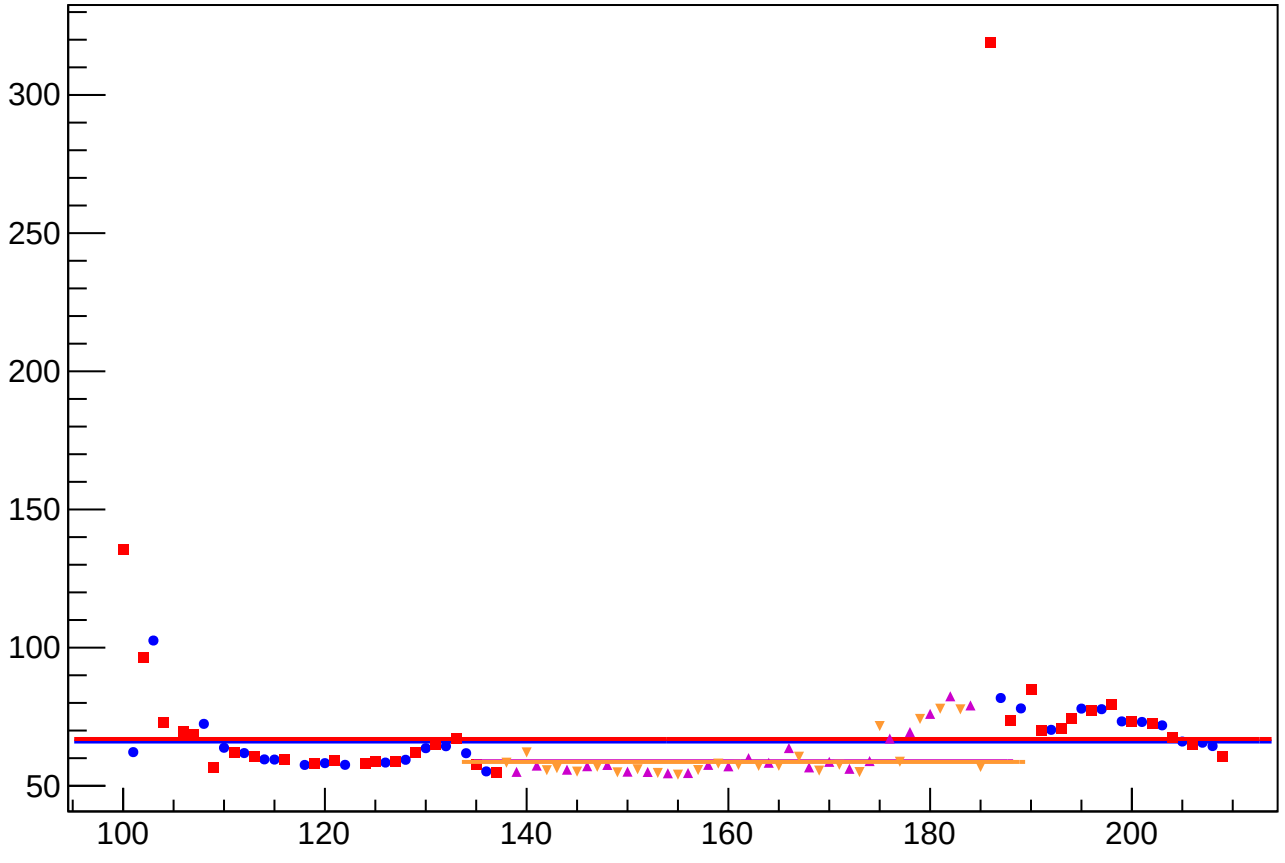
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -175.189+/-10.475 χ^2/NDF: 78.4/51

All: -11.761+/-7.447 χ^2/NDF: 676.5/106

- sign 155.193+/-10.588 χ^2/NDF: 106.1/54

reg_asym_sam8_rms vs Slug



Right In: 66.021+/-0.012 χ^2/NDF: 497634.1/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.945+/-0.012 χ^2/NDF: 1039780.5/31

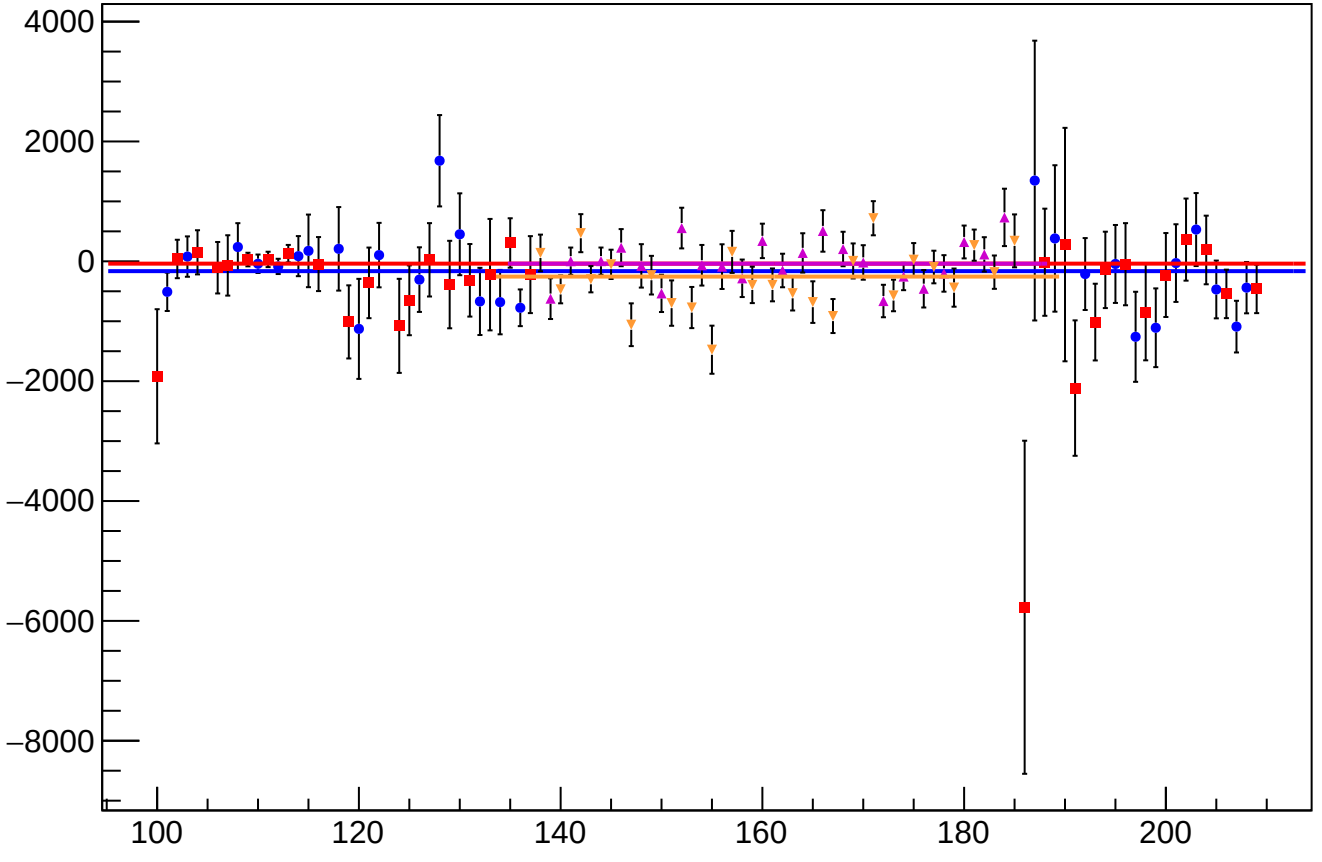
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.525+/-0.007 χ^2/NDF: 1127584.0/51

All: 61.886+/-0.005 χ^2/NDF: 2839152.3/106

- sign 62.254+/-0.007 χ^2/NDF: 1706780.4/54

asym_sam8_reg_correction_mean vs Slug



Right In: -163.830+/-70.280 χ^2/NDF: 30.5/26

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -38.728+/-60.289 χ^2/NDF: 26.4/31

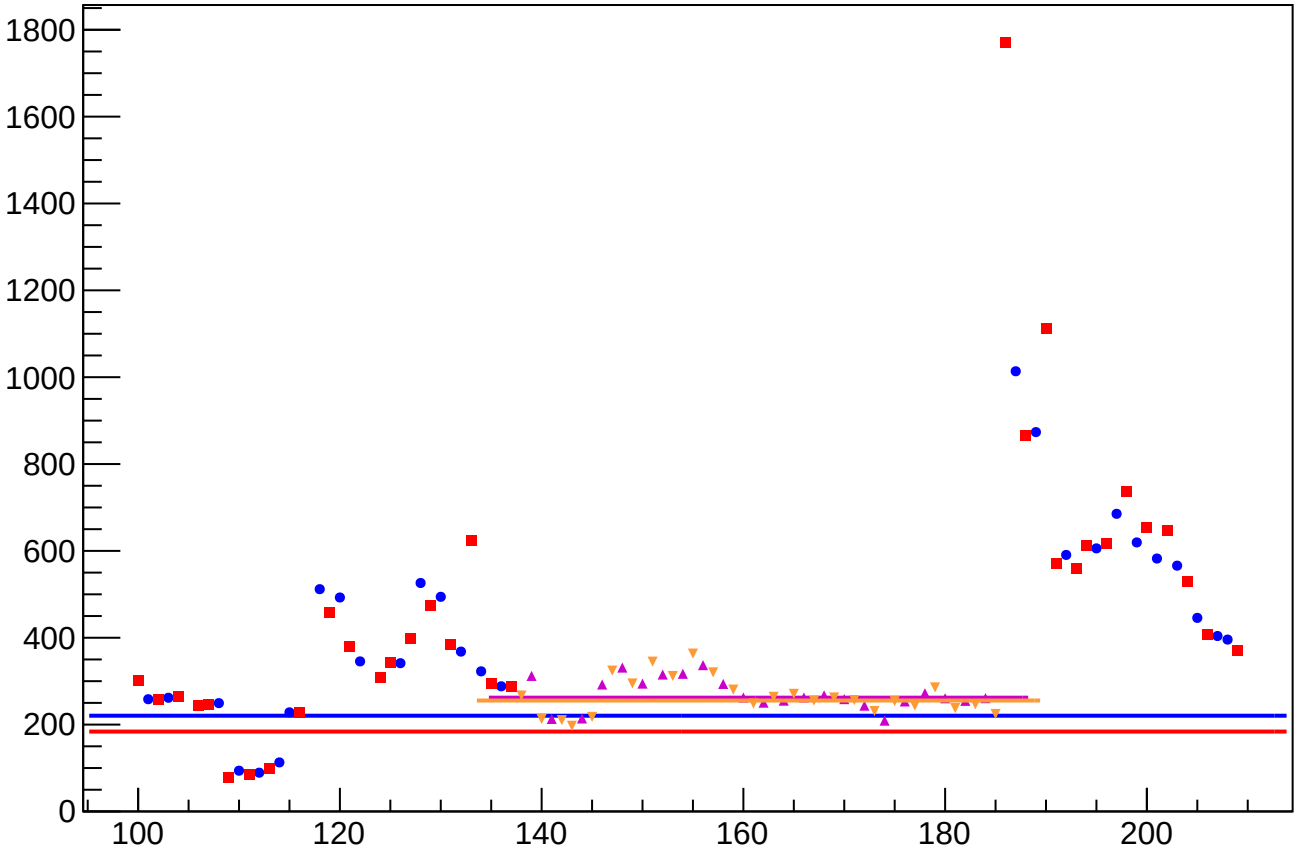
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -217.184+/-45.132 χ^2/NDF: 89.2/51

All: -124.126+/-31.201 χ^2/NDF: 152.0/106

- sign -38.932+/-43.183 χ^2/NDF: 54.7/54

asym_sam8_reg_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF: 11651773.8/26

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 183.958+/-0.043 χ^2/NDF: 15534382.9/31

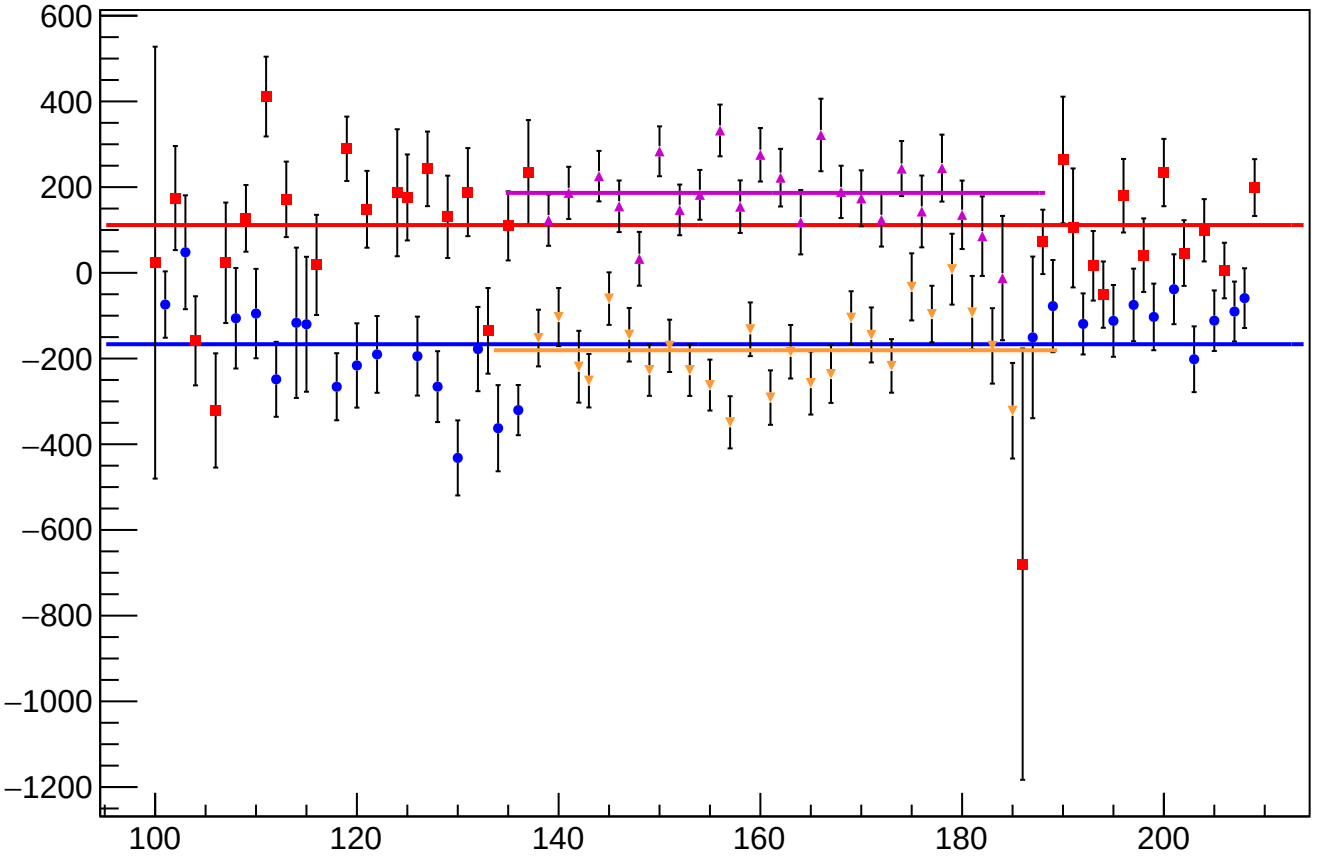
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 241.034+/-0.032 χ^2/NDF: 12807171.1/51

All: 231.079+/-0.022 χ^2/NDF: 30830745.8/10

- sign 221.965+/-0.031 χ^2/NDF: 17837170.4/54

cor_asym_sam8_mean vs Slug



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.490+/-16.412 χ^2/NDF: 64.4/31

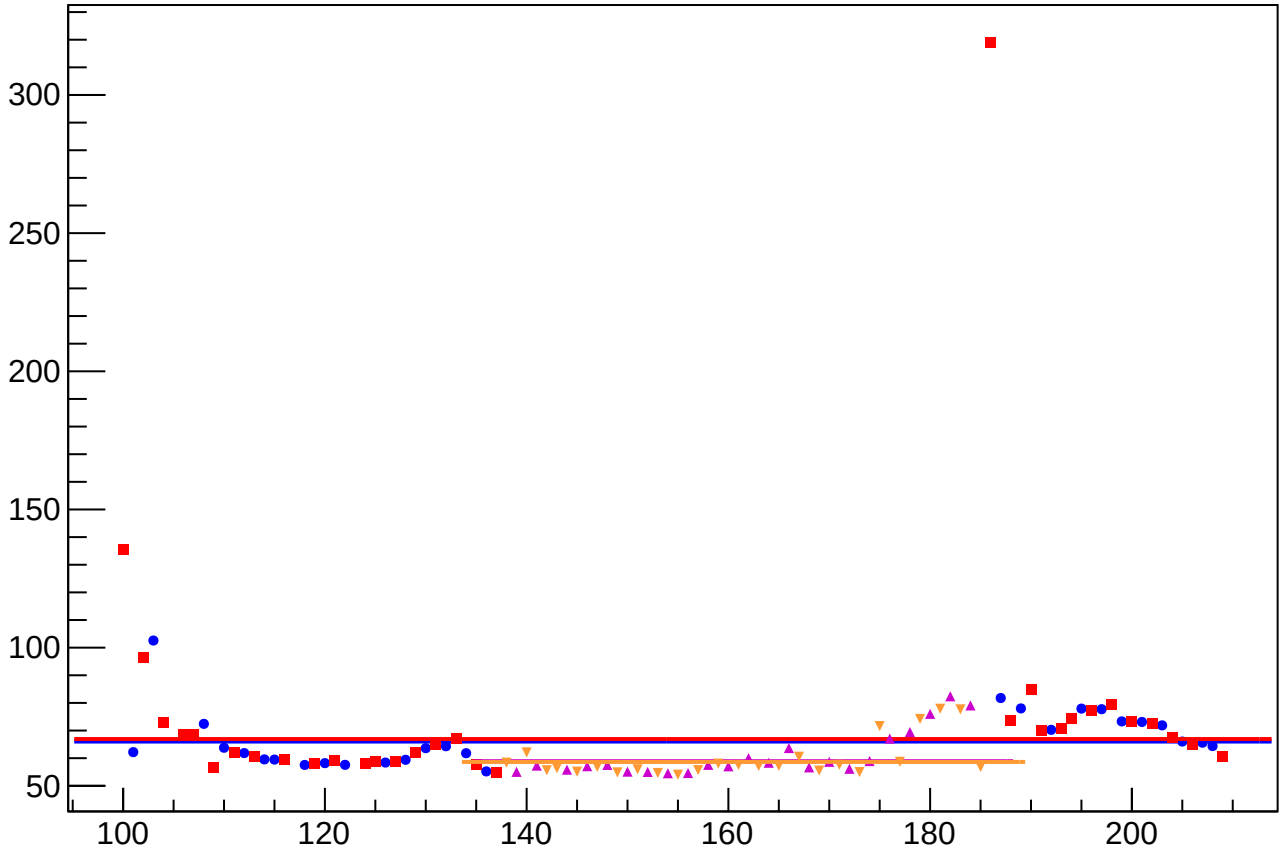
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -175.186+/-10.475 χ^2/NDF: 78.4/51

All: -11.720+/-7.447 χ^2/NDF: 676.4/106

- sign 155.313+/-10.589 χ^2/NDF: 105.7/54

cor_asym_sam8_rms vs Slug



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.926+/-0.012 χ^2/NDF: 1039389.3/31

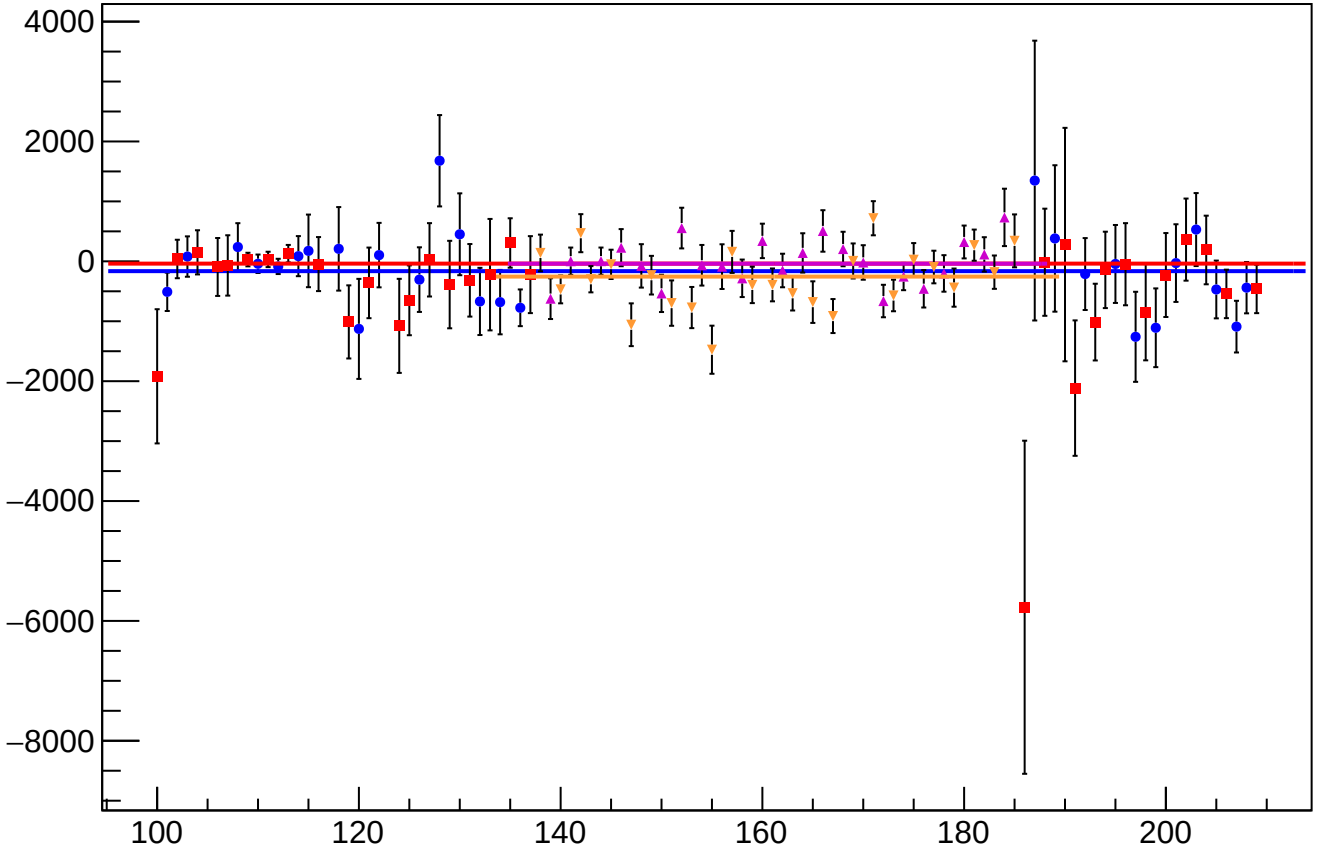
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.525+/-0.007 χ^2/NDF: 1127586.6/51

All: 61.881+/-0.005 χ^2/NDF: 2837231.1/106

- sign 62.245+/-0.007 χ^2/NDF: 1704975.0/54

asym_sam8_cor_correction_mean vs Slug



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -38.270+/-60.416 χ^2/NDF: 26.3/31

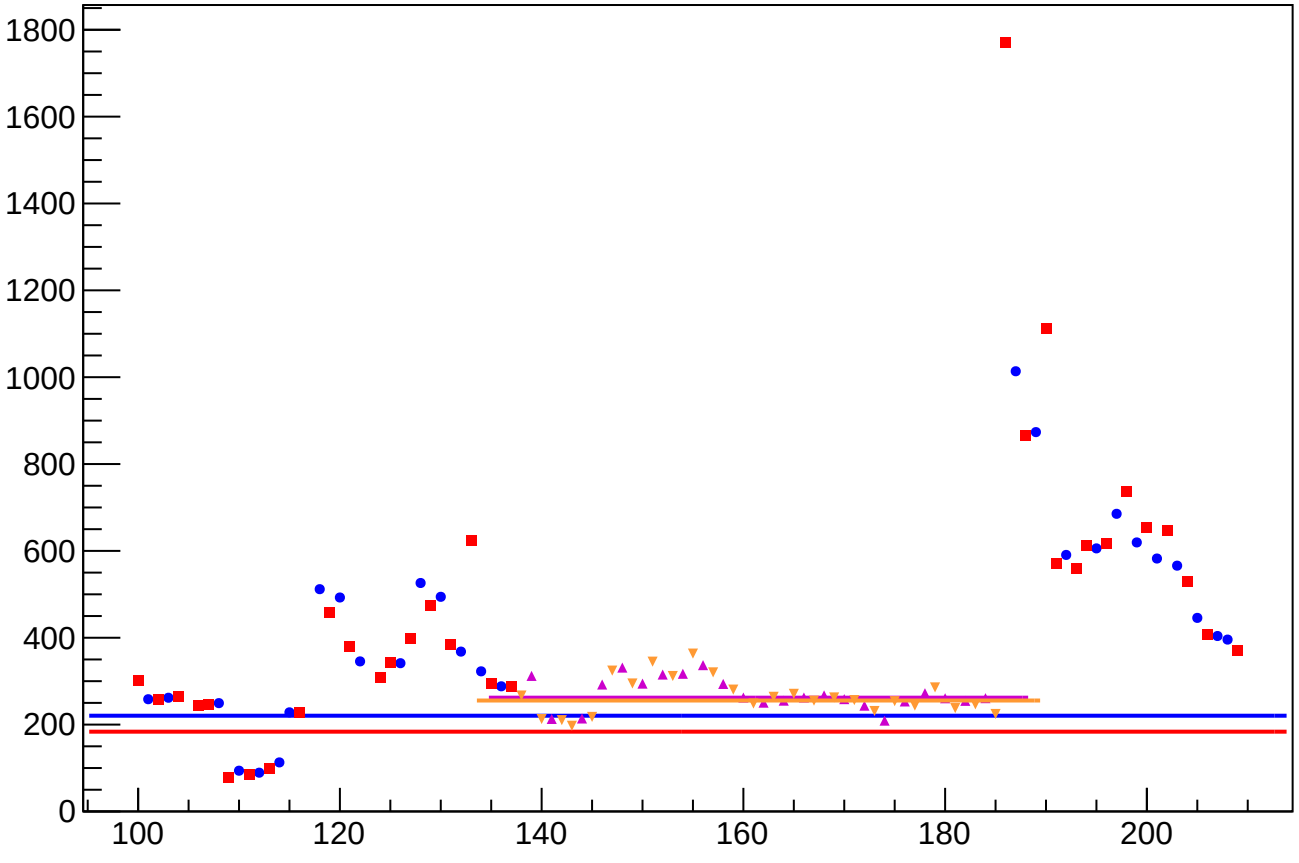
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -217.177+/-45.132 χ^2/NDF: 89.2/51

All: -124.096+/-31.219 χ^2/NDF: 152.0/106

- sign -38.697+/-43.230 χ^2/NDF: 54.7/54

asym_sam8_cor_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 183.712+/-0.043 χ^2/NDF: 15526878.2/31

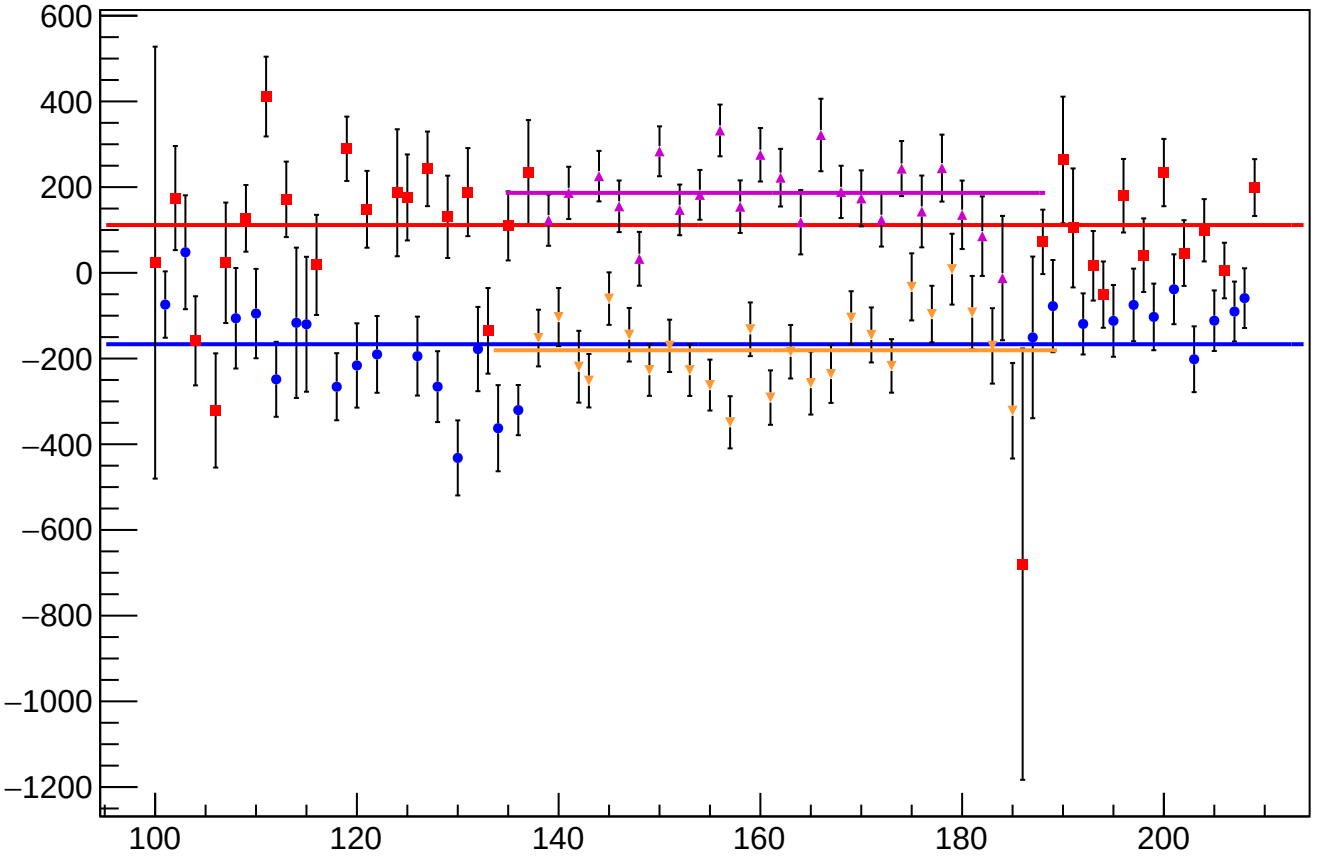
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 241.034+/-0.032 χ^2/NDF: 12807189.8/51

All: 231.066+/-0.022 χ^2/NDF: 30830873.4/10

- sign 221.921+/-0.031 χ^2/NDF: 17836611.0/54

eigen_cor_asym_sam8_mean vs Slug



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 111.490+/-16.412 χ^2/NDF: 64.4/31

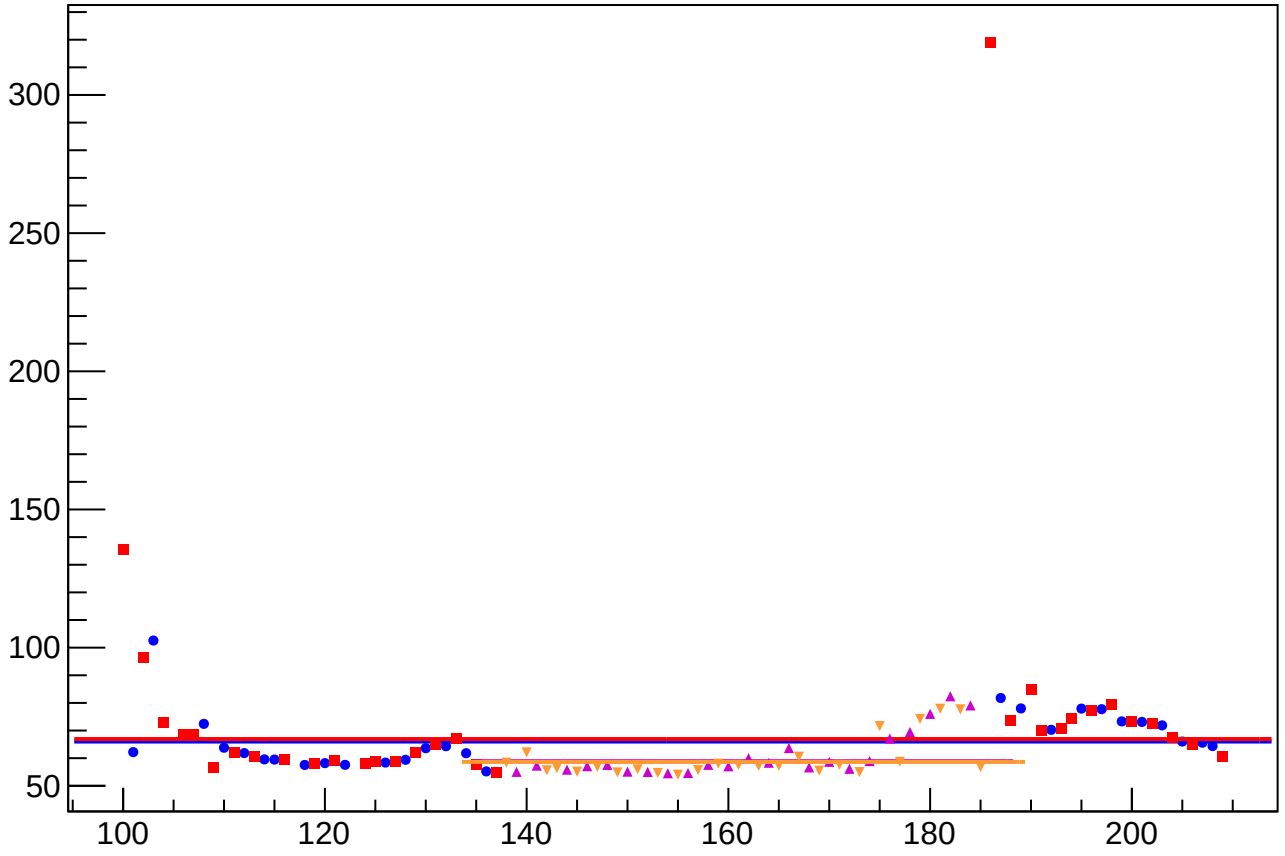
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -175.186+/-10.475 χ^2/NDF: 78.4/51

All: -11.720+/-7.447 χ^2/NDF: 676.4/106

- sign 155.313+/-10.589 χ^2/NDF: 105.7/54

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.926+/-0.012 χ^2/NDF: 1039389.3/31

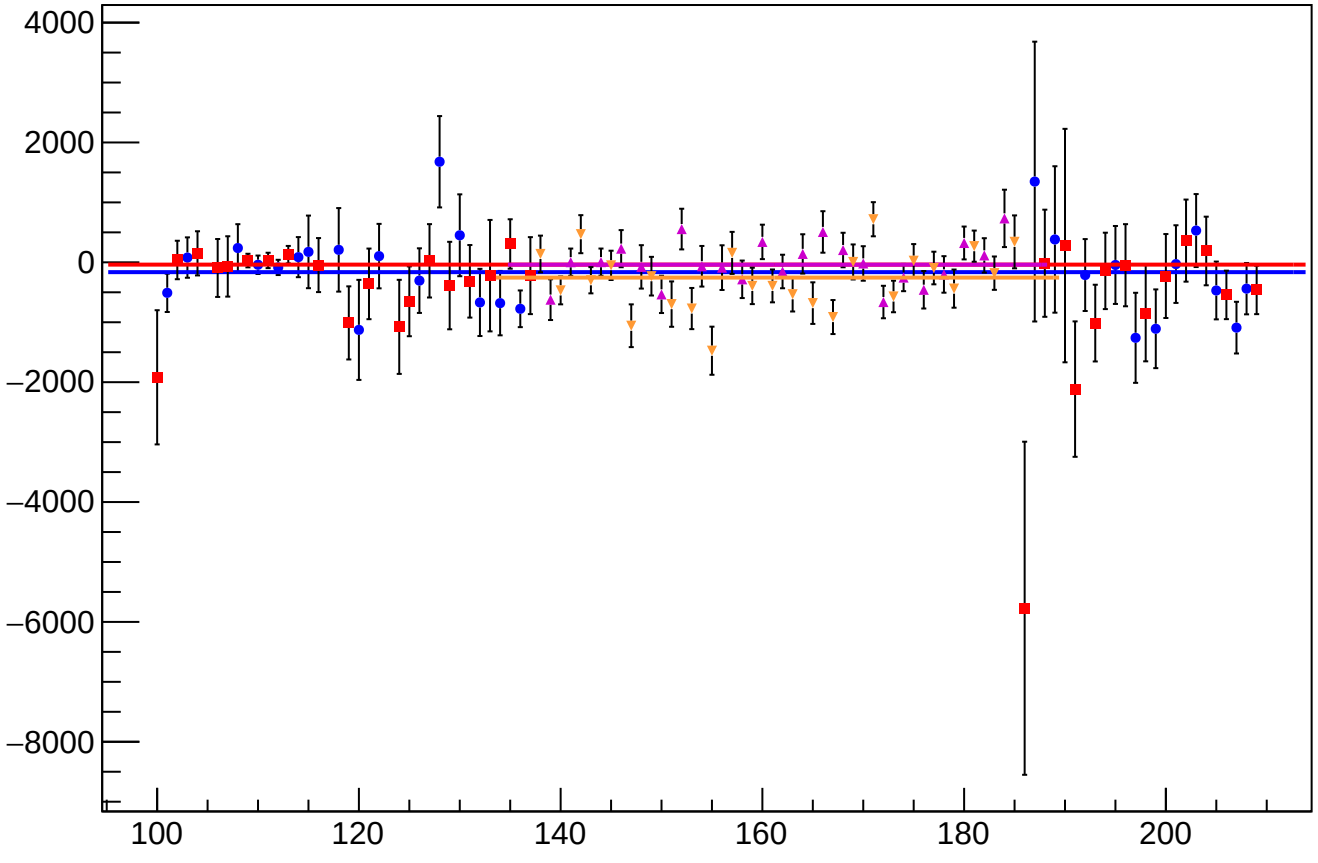
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.525+/-0.007 χ^2/NDF: 1127586.6/51

All: 61.881+/-0.005 χ^2/NDF: 2837231.1/106

- sign 62.245+/-0.007 χ^2/NDF: 1704975.0/54

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -38.270+/-60.416 χ^2/NDF: 26.3/31

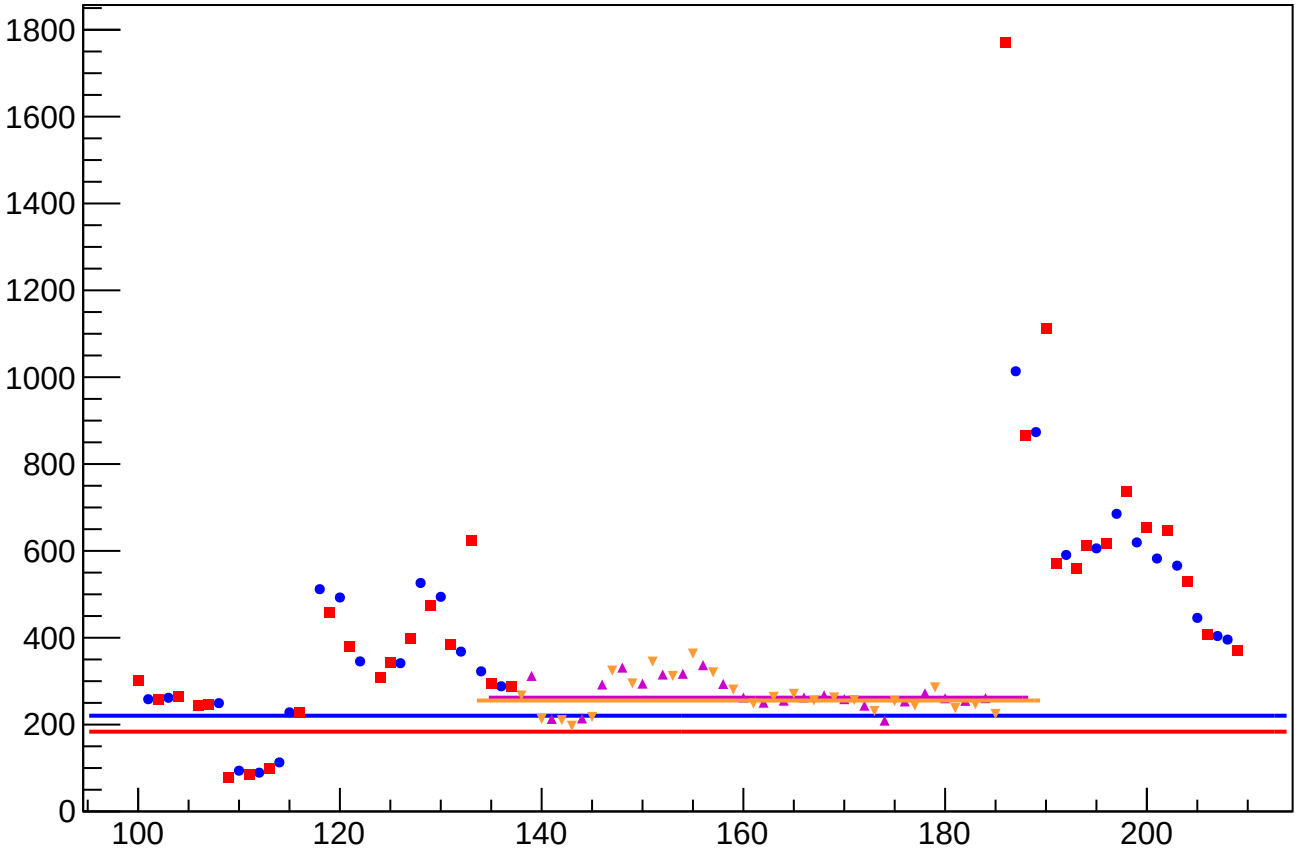
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -217.177+/-45.132 χ^2/NDF: 89.2/51

All: -124.096+/-31.219 χ^2/NDF: 152.0/106

- sign -38.697+/-43.230 χ^2/NDF: 54.7/54

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 183.712+/-0.043 χ^2/NDF: 15526878.2/31

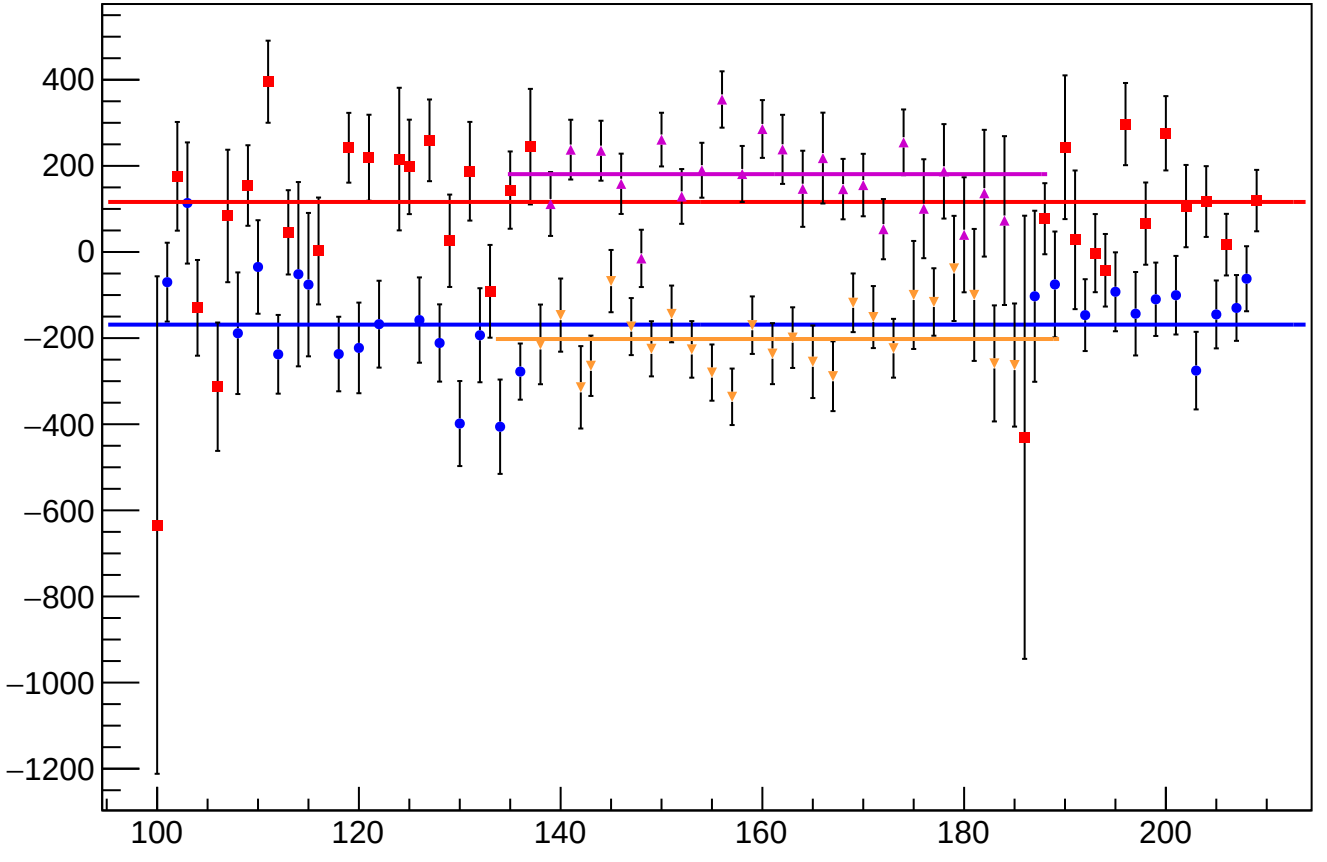
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 241.034+/-0.032 χ^2/NDF: 12807189.8/51

All: 231.066+/-0.022 χ^2/NDF: 30830873.4/10

- sign 221.921+/-0.031 χ^2/NDF: 17836611.0/54

dit_asym_sam8_mean vs Slug



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 116.203+/-18.165 χ^2/NDF: 54.4/31

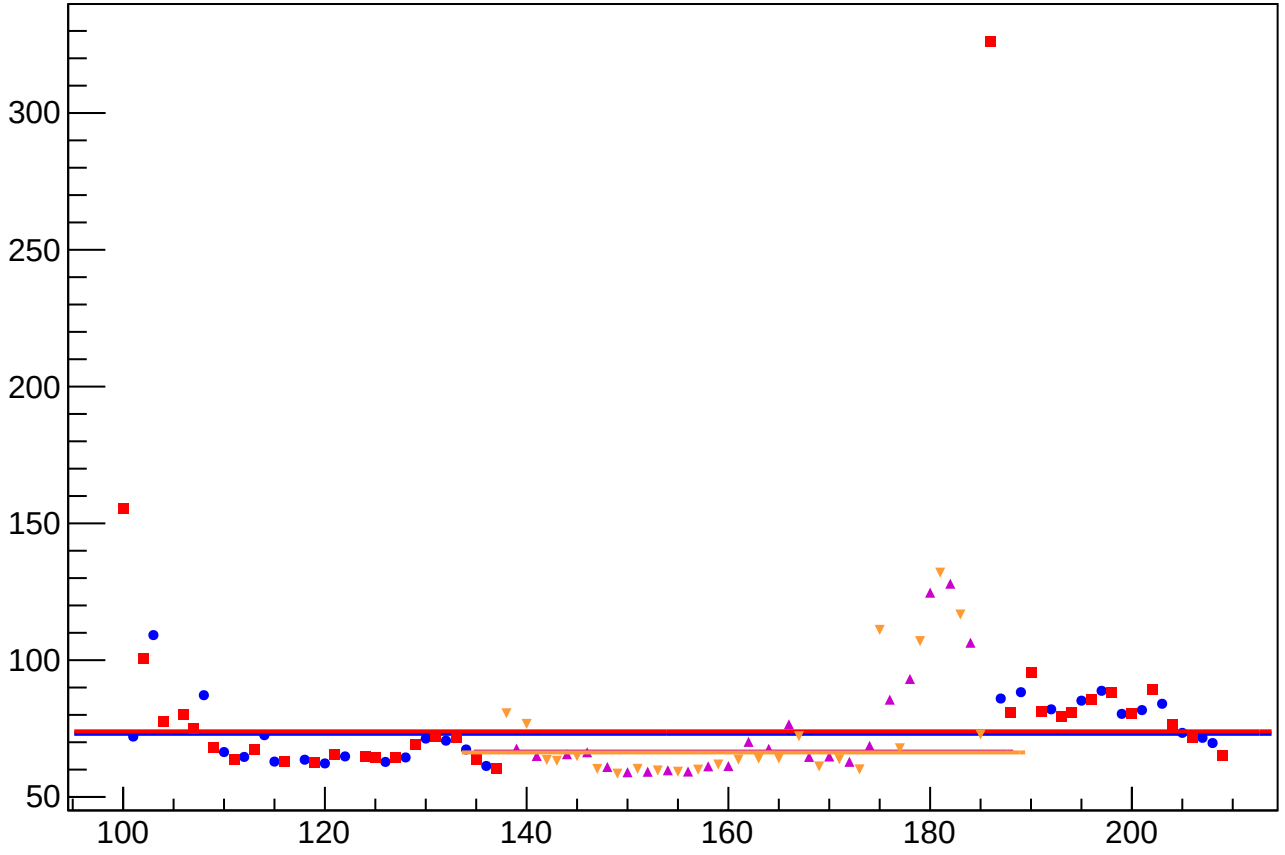
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -188.379+/-11.930 χ^2/NDF: 51.7/51

All: -19.128+/-8.465 χ^2/NDF: 548.8/106

- sign 152.531+/-12.014 χ^2/NDF: 91.7/54

dit_asym_sam8_rms vs Slug



Right In: 73.084+/-0.013 χ^2/NDF: 571166.0/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.980+/-0.013 χ^2/NDF: 1059901.3/31

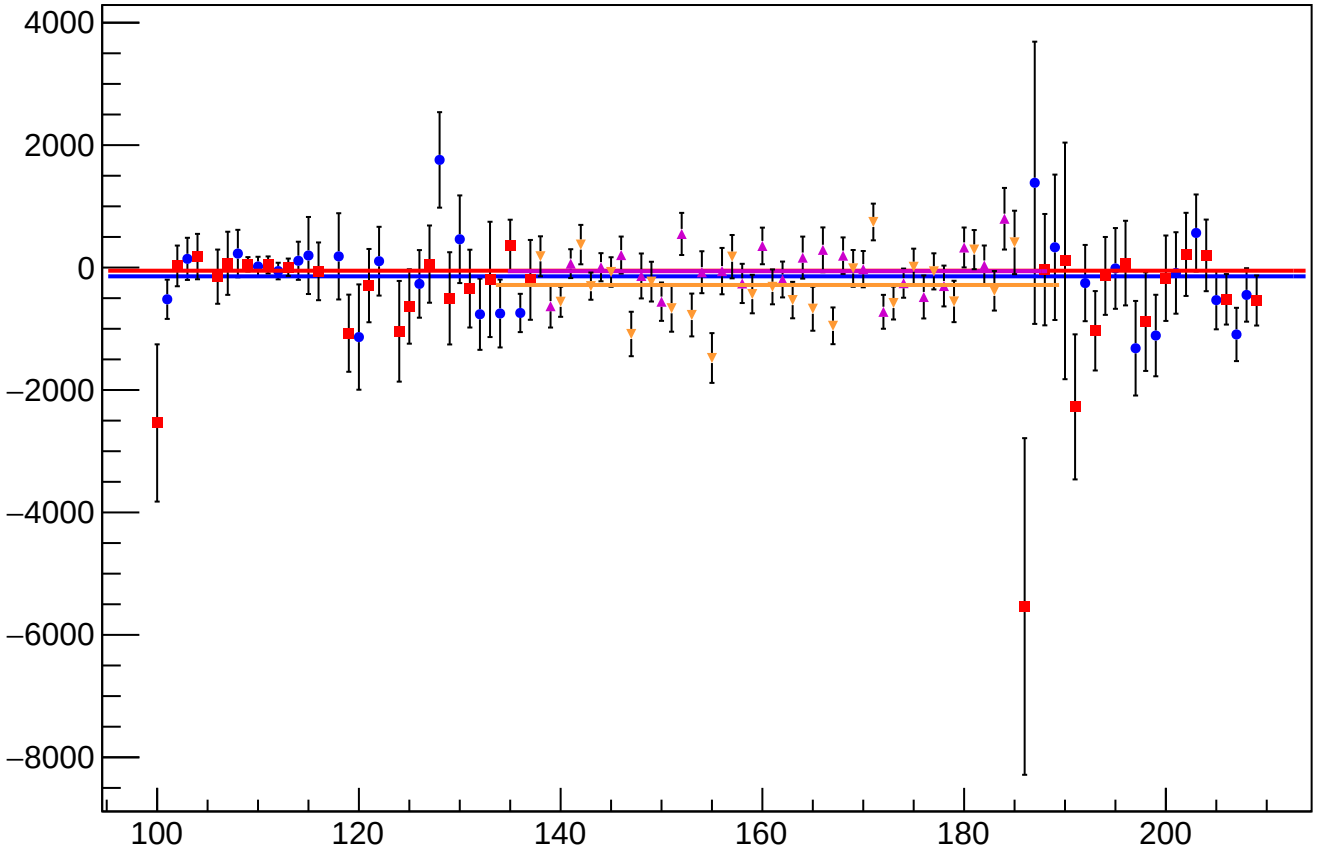
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.072+/-0.008 χ^2/NDF: 2122511.7/51

All: 69.444+/-0.006 χ^2/NDF: 4530978.7/106

- sign 69.820+/-0.008 χ^2/NDF: 2404565.2/54

asym_sam8_dit_correction_mean vs Slug



Right In: -143.489+/-72.365 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -51.311+/-62.016 χ^2/NDF: 26.5/31

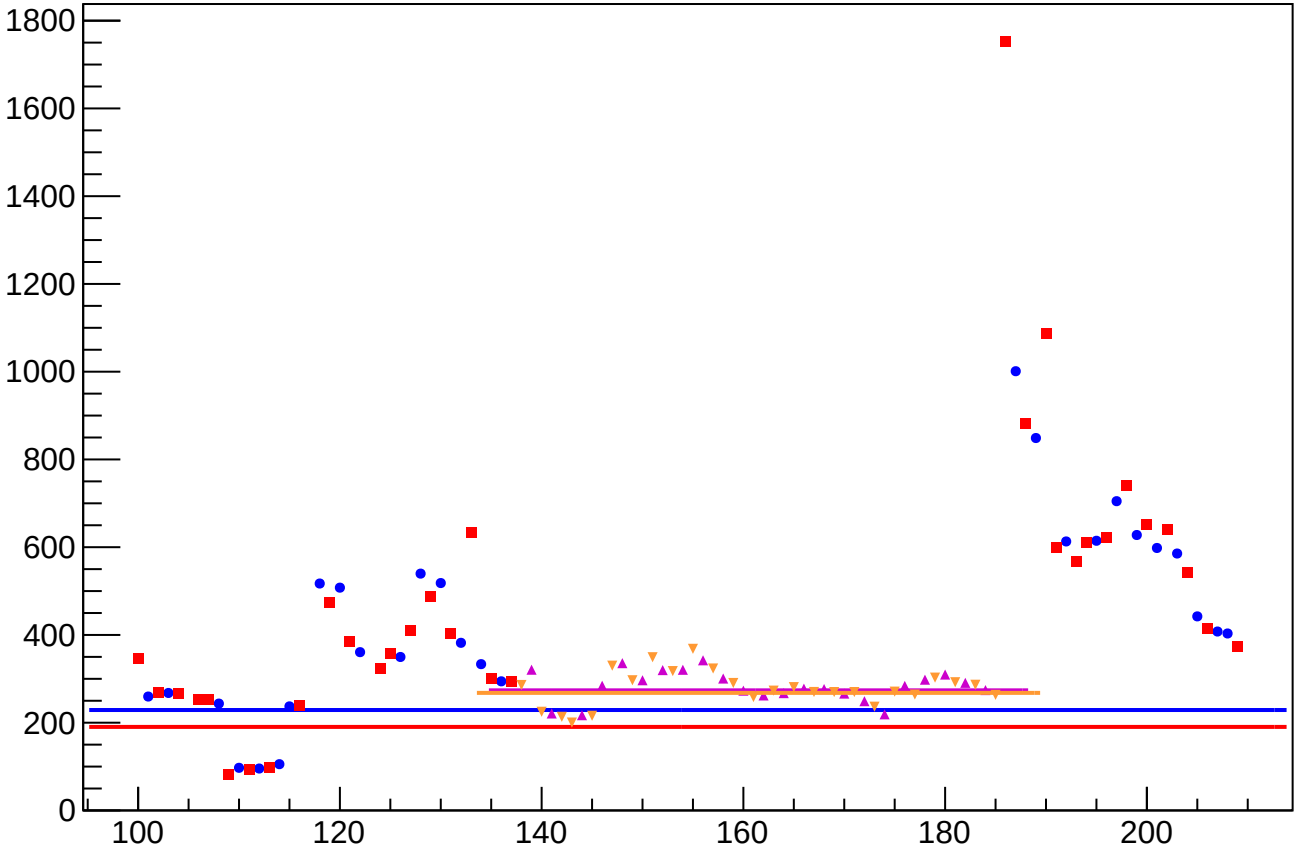
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -225.082+/-46.963 χ^2/NDF: 88.9/51

All: -135.977+/-32.397 χ^2/NDF: 149.1/106

- sign -55.073+/-44.750 χ^2/NDF: 53.4/54

asym_sam8_dit_correction_rms vs Slug



Right In: 228.906+/-0.051 χ^2/NDF: 11373267.8/26

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 190.408+/-0.044 χ^2/NDF: 15305417.9/31

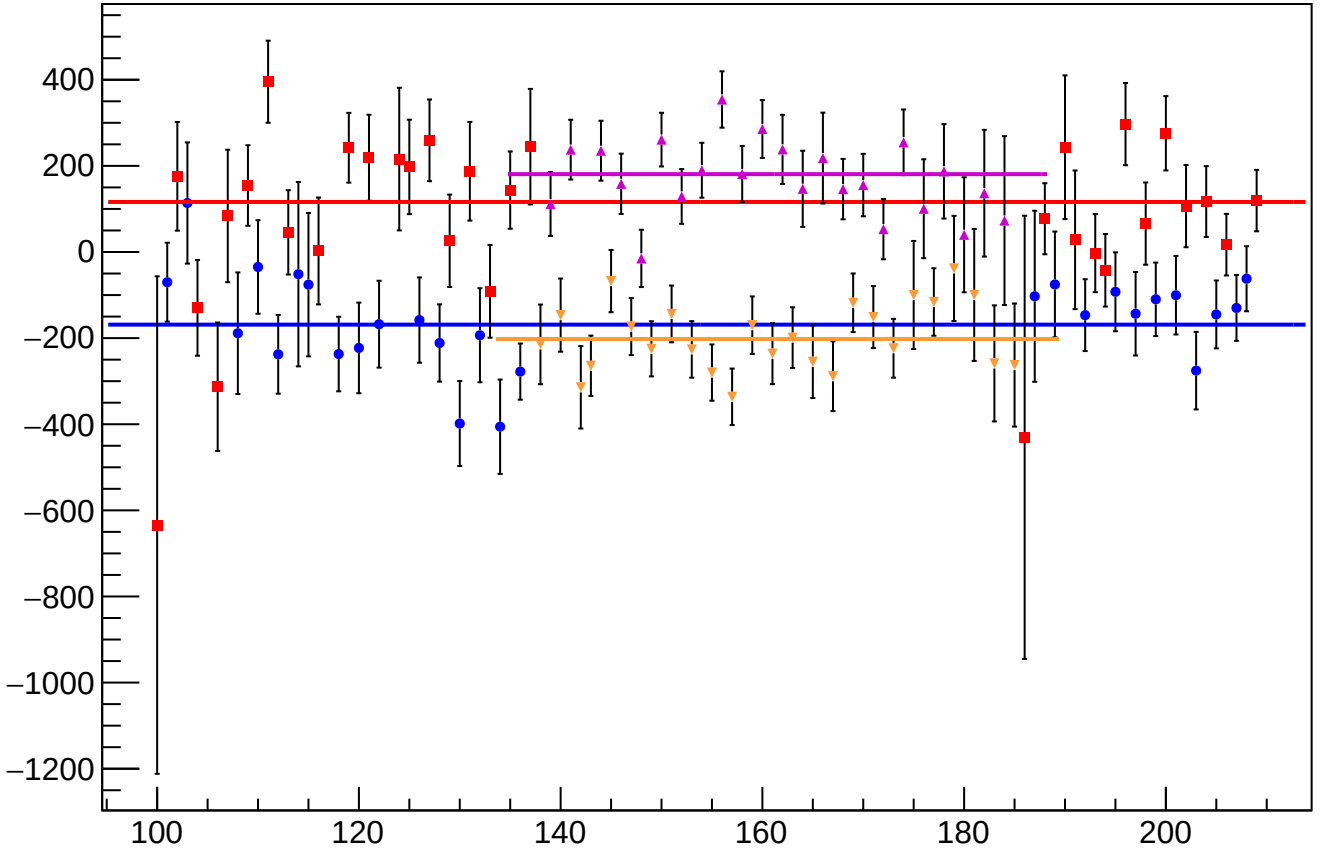
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 251.526+/-0.033 χ^2/NDF: 12573681.6/51

All: 240.430+/-0.023 χ^2/NDF: 30473762.6/10

- sign 230.356+/-0.032 χ^2/NDF: 17687065.9/54

eigen_dit_asym_sam8_mean vs Slug



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 116.204+/-18.164 χ^2/NDF: 54.4/31

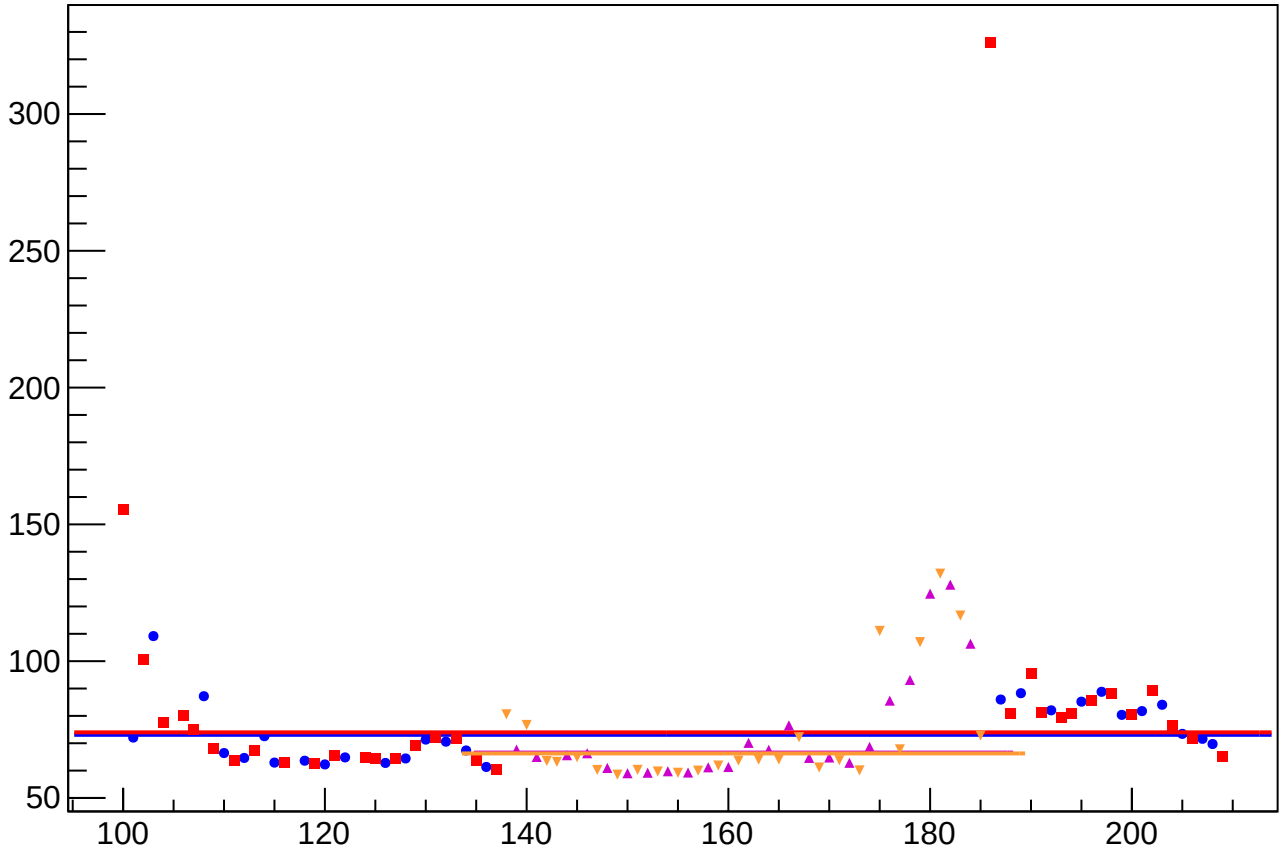
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -188.379+/-11.930 χ^2/NDF: 51.7/51

All: -19.128+/-8.465 χ^2/NDF: 548.8/106

- sign 152.532+/-12.014 χ^2/NDF: 91.7/54

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.084+/-0.013 χ^2/NDF: 571169.8/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.979+/-0.013 χ^2/NDF: 1059905.5/31

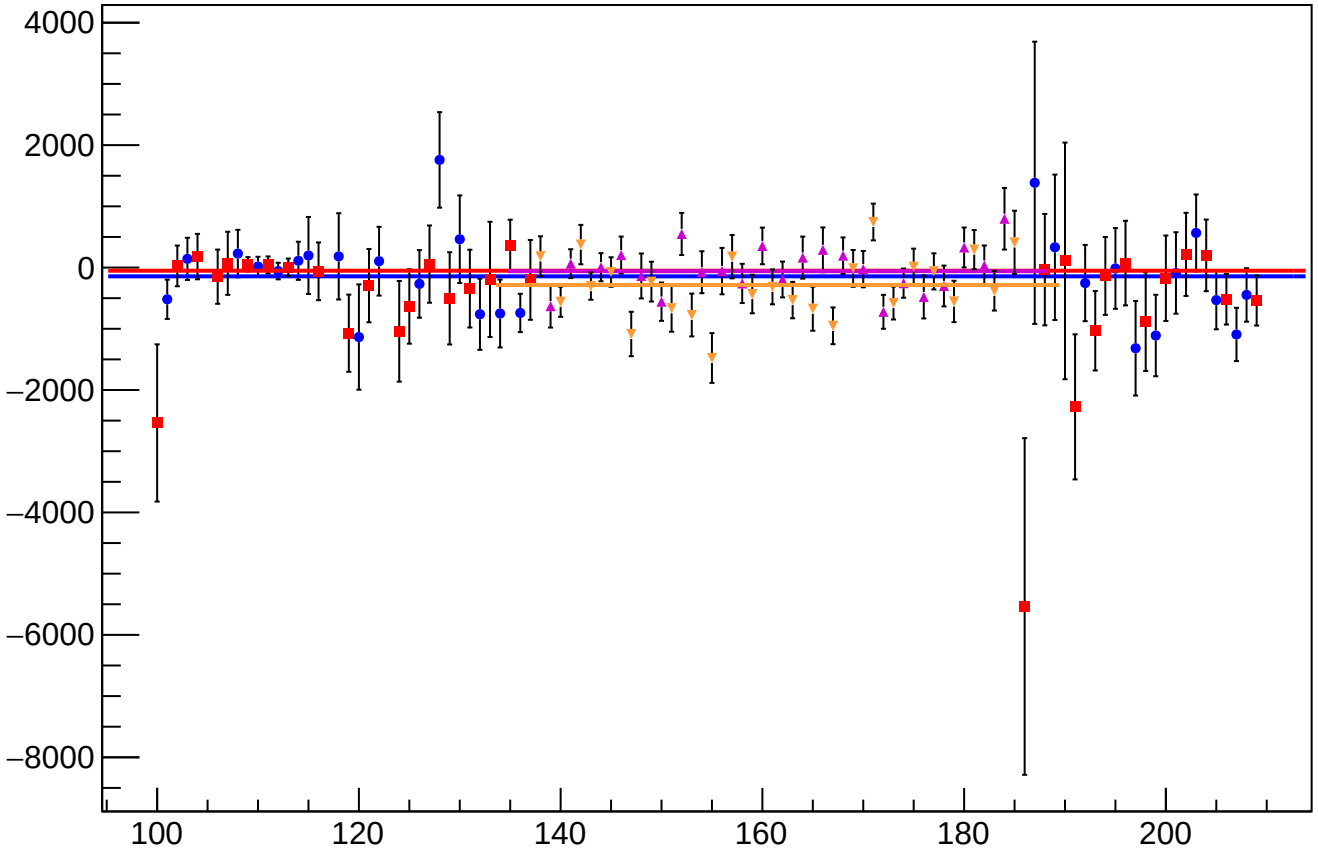
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.072+/-0.008 χ^2/NDF: 2122511.1/51

All: 69.444+/-0.006 χ^2/NDF: 4530966.4/106

- sign 69.820+/-0.008 χ^2/NDF: 2404553.5/54

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -143.487+/-72.364 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -51.309+/-62.016 χ^2/NDF: 26.5/31

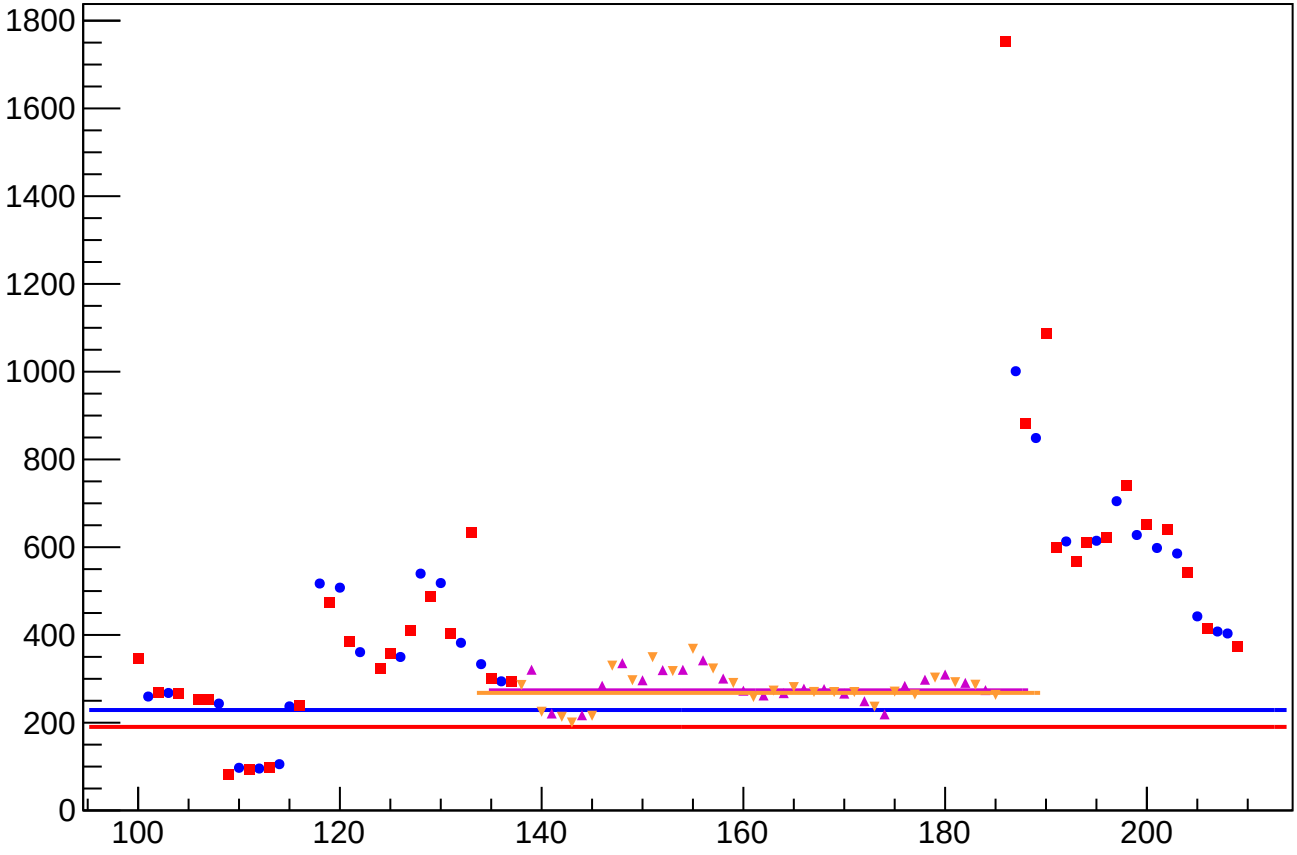
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -225.081+/-46.963 χ^2/NDF: 88.9/51

All: -135.977+/-32.397 χ^2/NDF: 149.1/106

- sign -55.073+/-44.750 χ^2/NDF: 53.4/54

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 228.904+/-0.051 χ^2/NDF: 11373341.4/26

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 190.407+/-0.044 χ^2/NDF: 15305407.6/31

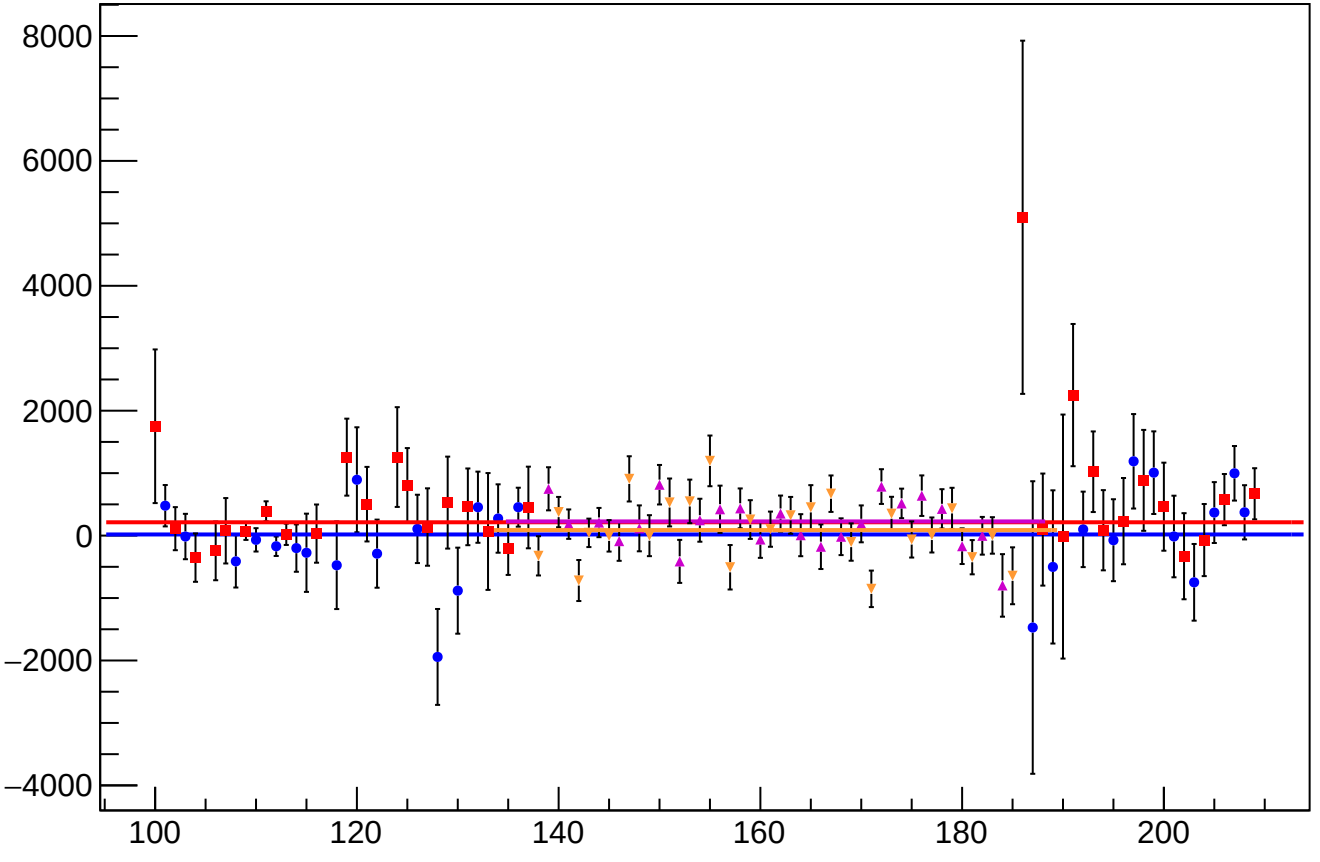
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 251.525+/-0.033 χ^2/NDF: 12573781.7/51

All: 240.429+/-0.023 χ^2/NDF: 30473836.1/10

- sign 230.355+/-0.032 χ^2/NDF: 17687051.0/54

asym_sam8_mean vs Slug



Right In: 18.133+/-78.534 χ^2/NDF: 31.2/26

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 213.186+/-69.074 χ^2/NDF: 27.4/31

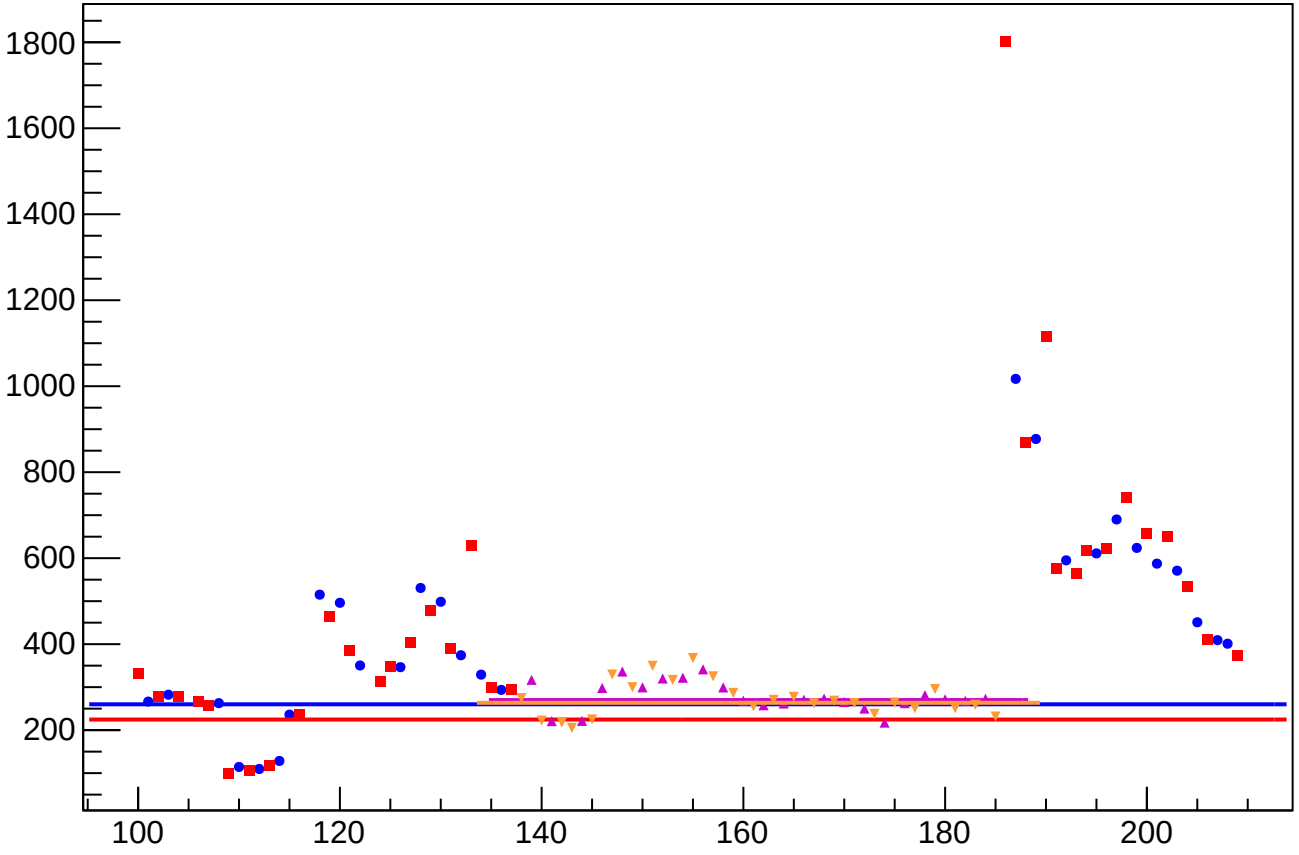
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 62.138+/-48.010 χ^2/NDF: 83.9/51

All: 143.350+/-33.519 χ^2/NDF: 145.7/106

- sign 220.582+/-46.818 χ^2/NDF: 56.2/54

asym_sam8_rms vs Slug



Right In: 260.092+/-0.056 χ^2/NDF: 9405390.9/26

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 224.673+/-0.049 χ^2/NDF: 13042162.1/31

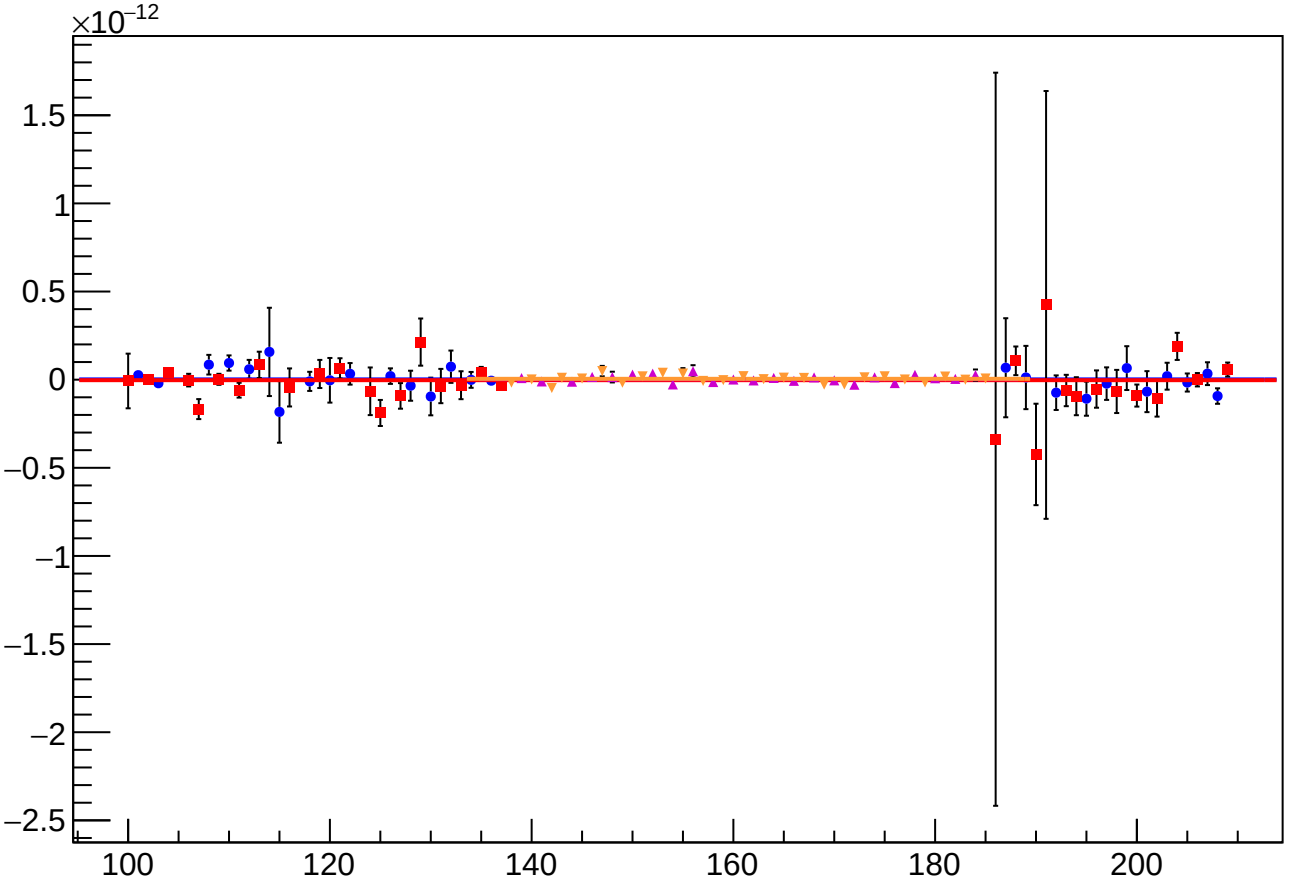
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 262.285+/-0.034 χ^2/NDF: 10187733.0/51

All: 255.537+/-0.024 χ^2/NDF: 24372680.2/10

- sign 249.121+/-0.033 χ^2/NDF: 14107879.7/54

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

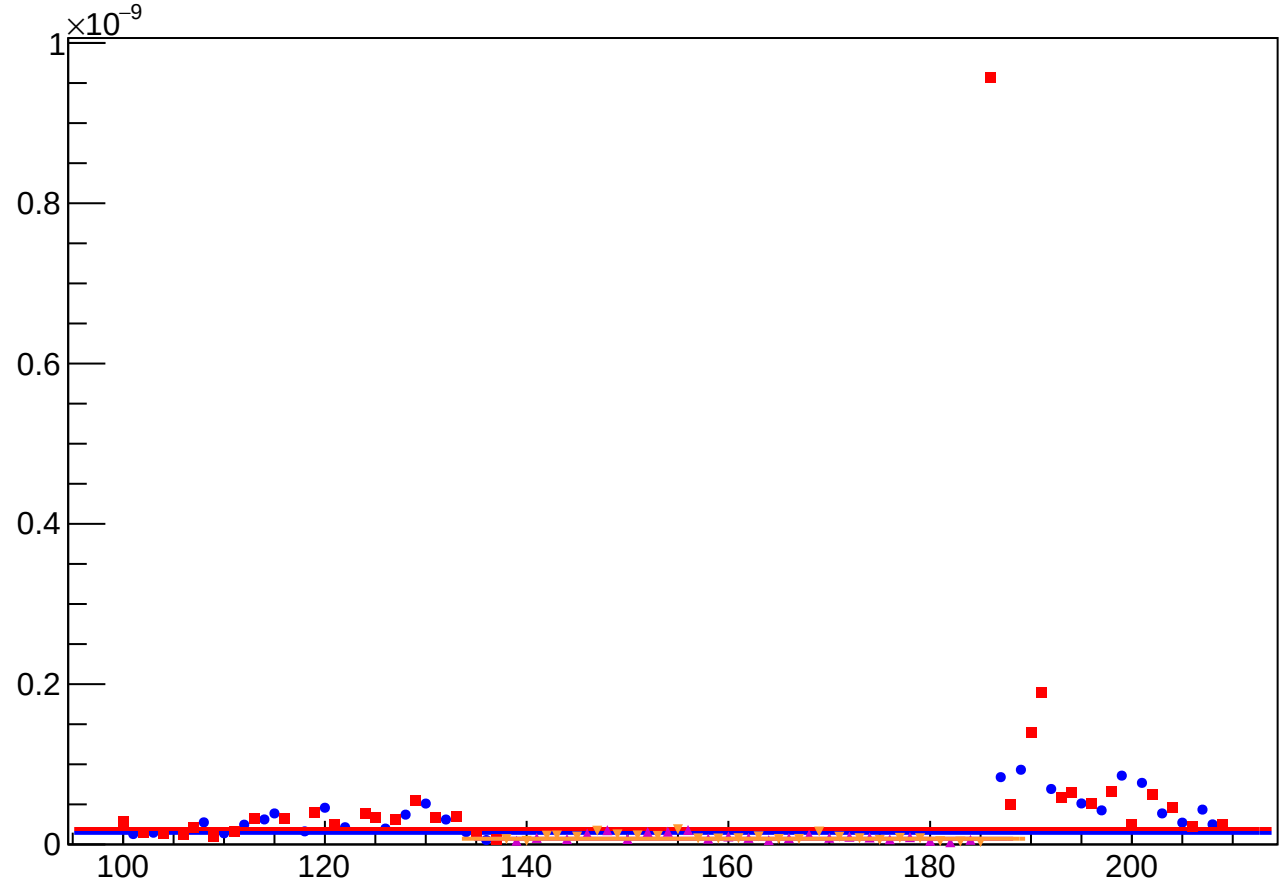
Right Out: -0.000+/-0.000 χ^2/NDF: 47.8/31

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/51

All: 0.000+/-0.000 χ^2/NDF: 119.7/106

- sign 0.000+/-0.000 χ^2/NDF: 69.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 5765126.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4655525.2/31

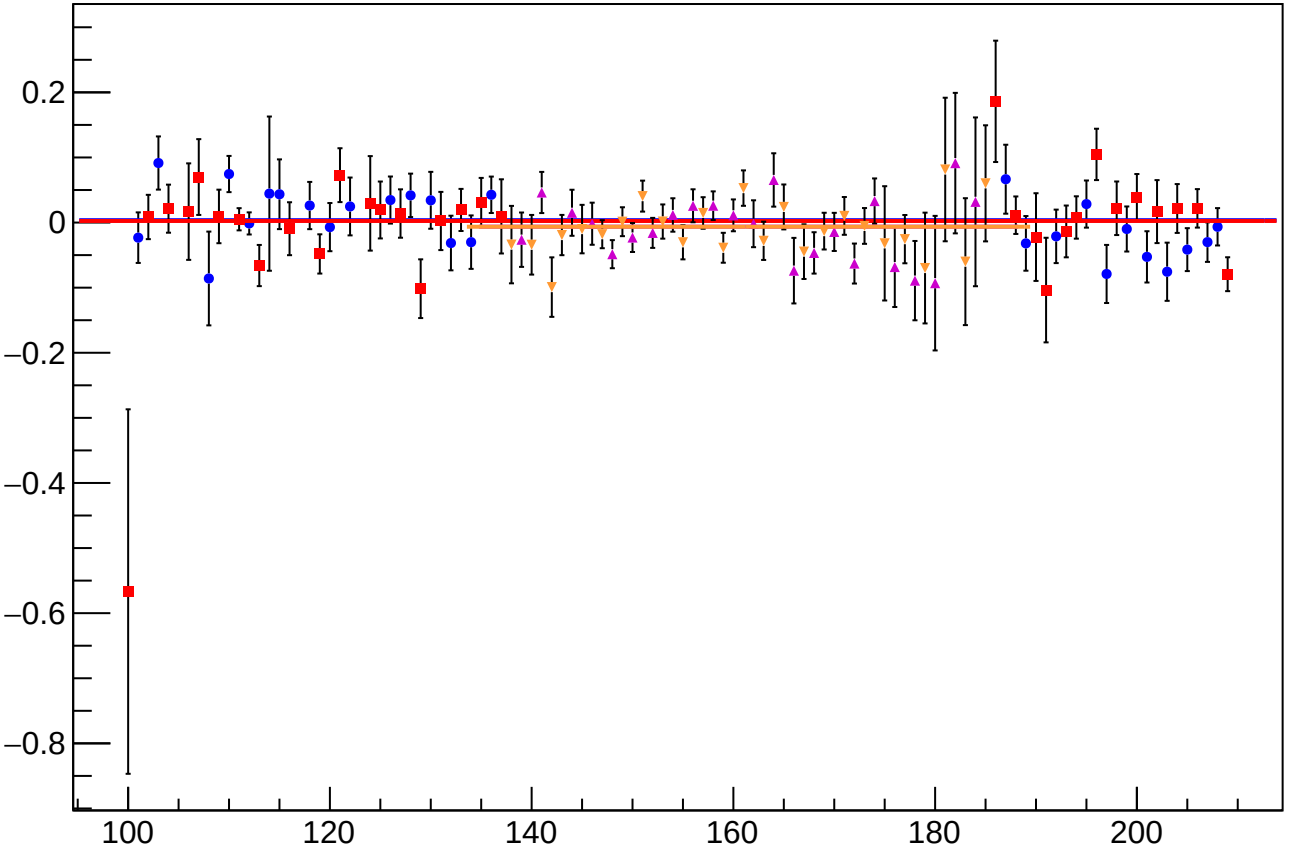
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9268285.1/51

All: 0.000+/-0.000 χ^2/NDF: 19180146.1/106

- sign 0.000+/-0.000 χ^2/NDF: 9902567.3/54

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

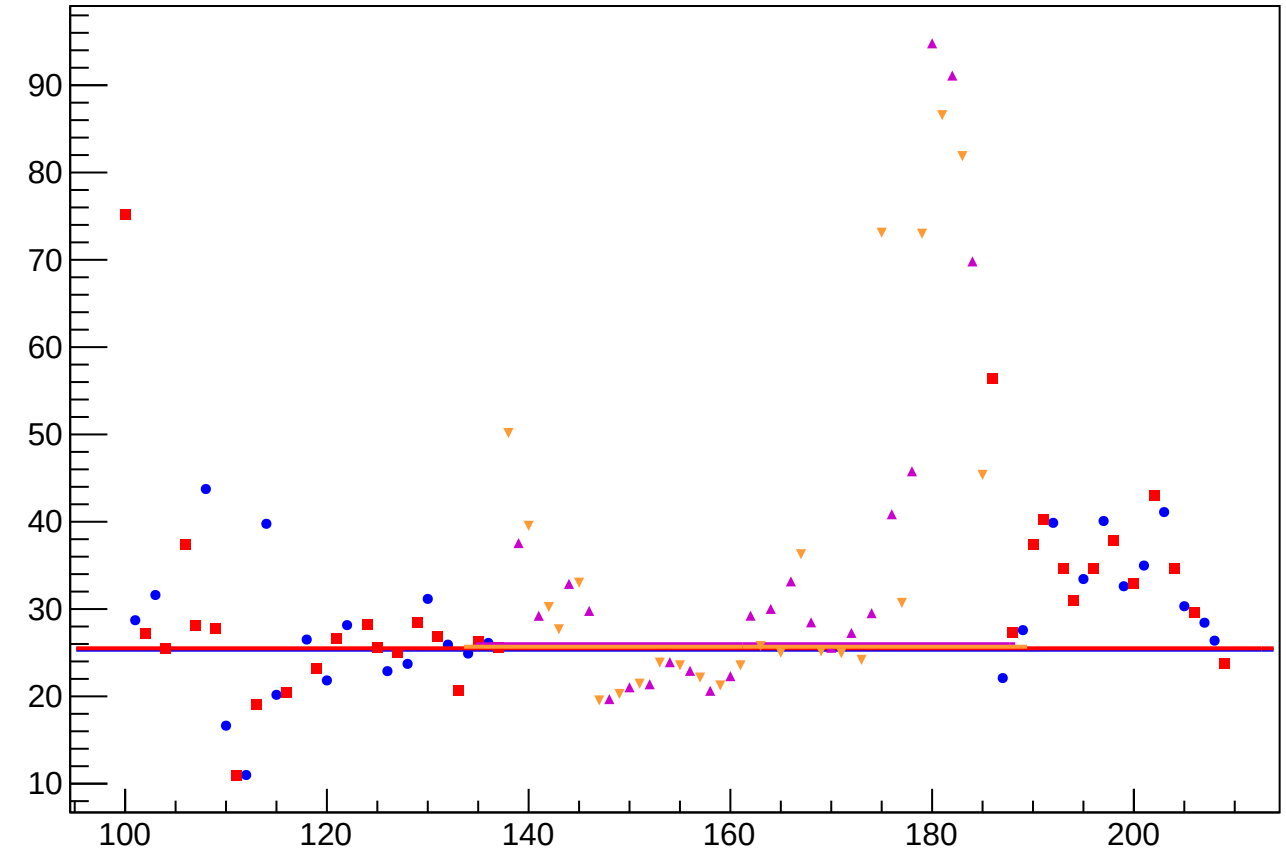
Right Out: 0.002+/-0.007 χ^2/NDF: 47.7/31

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.002+/-0.003 χ^2/NDF: 136.1/106

- sign -0.002+/-0.005 χ^2/NDF: 77.0/54



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

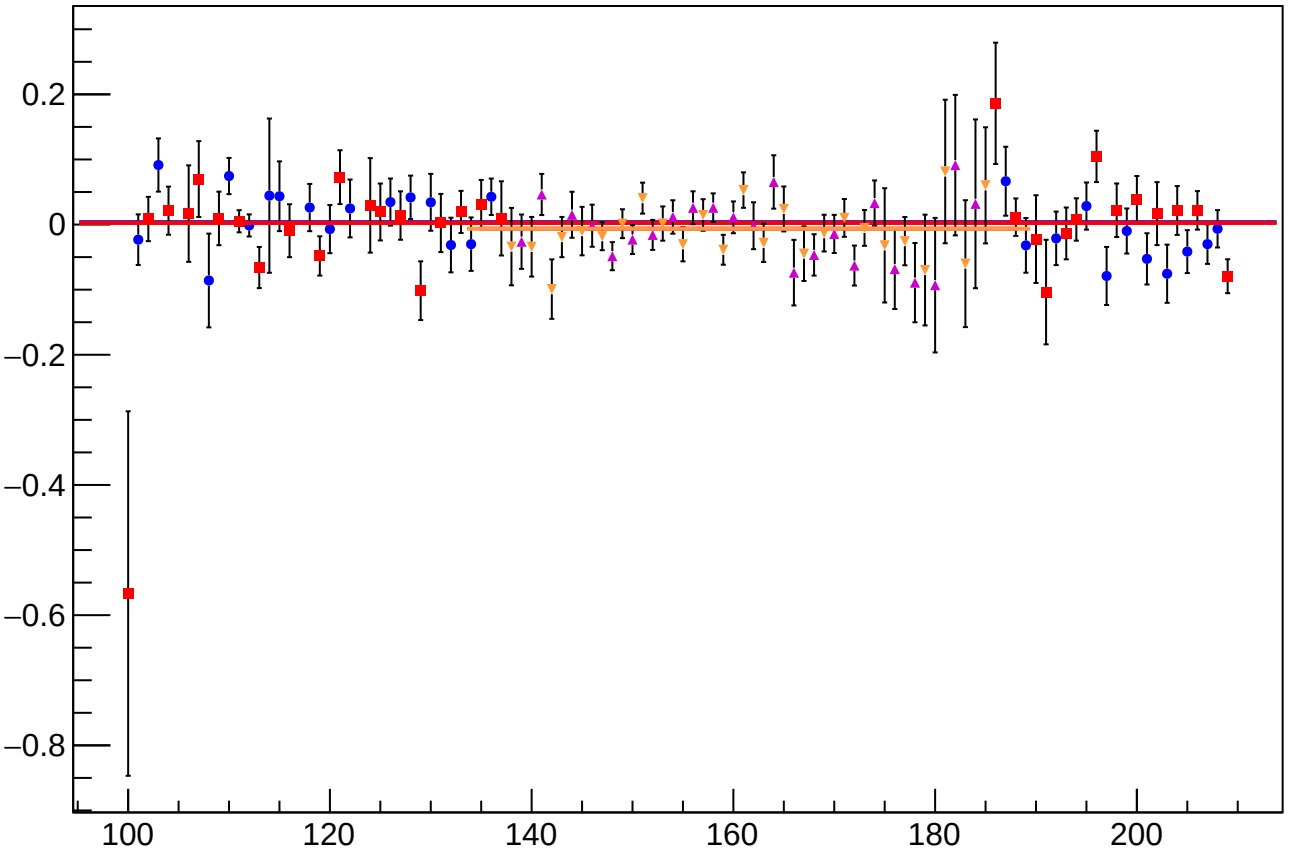
Right Out: 25.504+/-0.005 χ^2/NDF: 3103791.3/31

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.526+/-0.003 χ^2/NDF: 6925891.8/51

All: 25.632+/-0.002 χ^2/NDF: 13155048.1/106

- sign 25.737+/-0.003 χ^2/NDF: 6227108.9/54



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.007 χ^2/NDF: 47.7/31

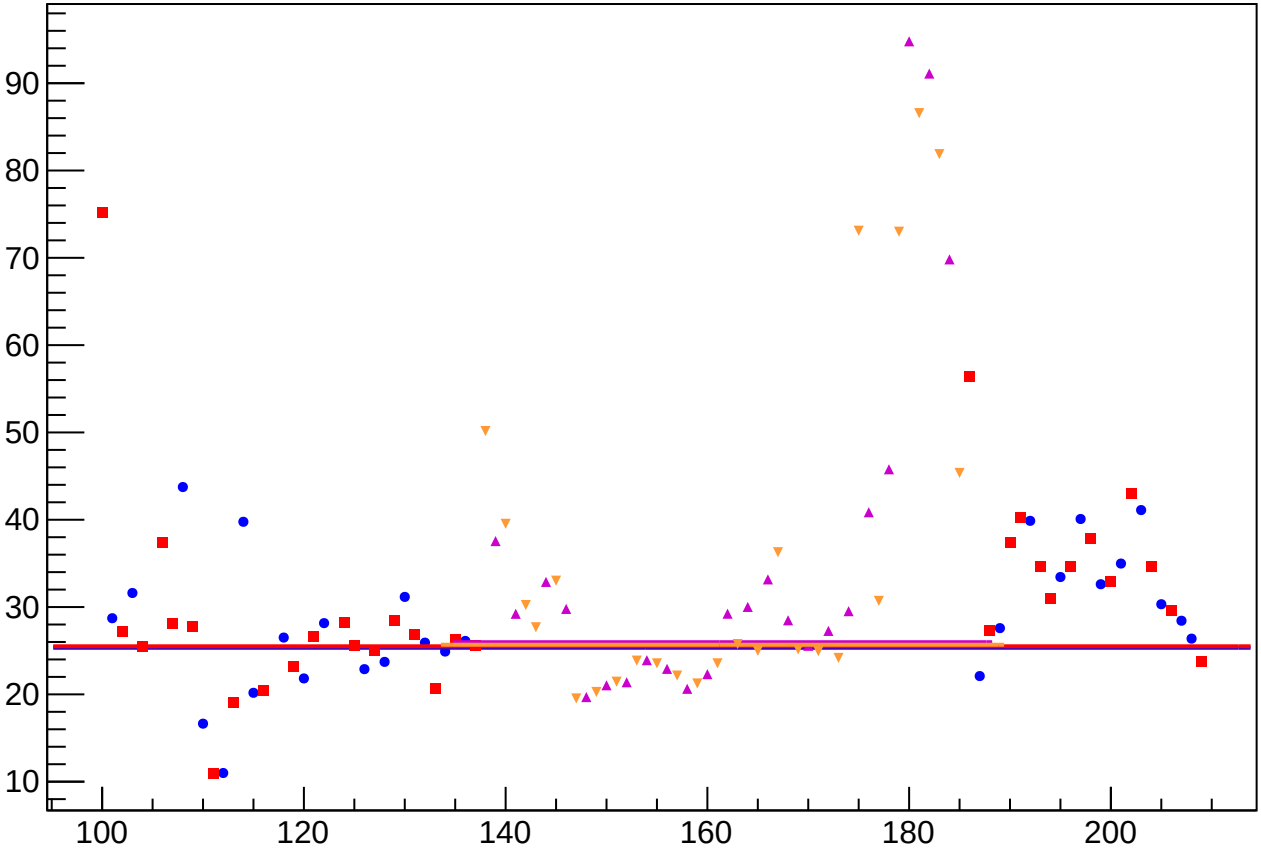
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.002+/-0.003 χ^2/NDF: 136.1/106

- sign -0.002+/-0.005 χ^2/NDF: 77.0/54

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

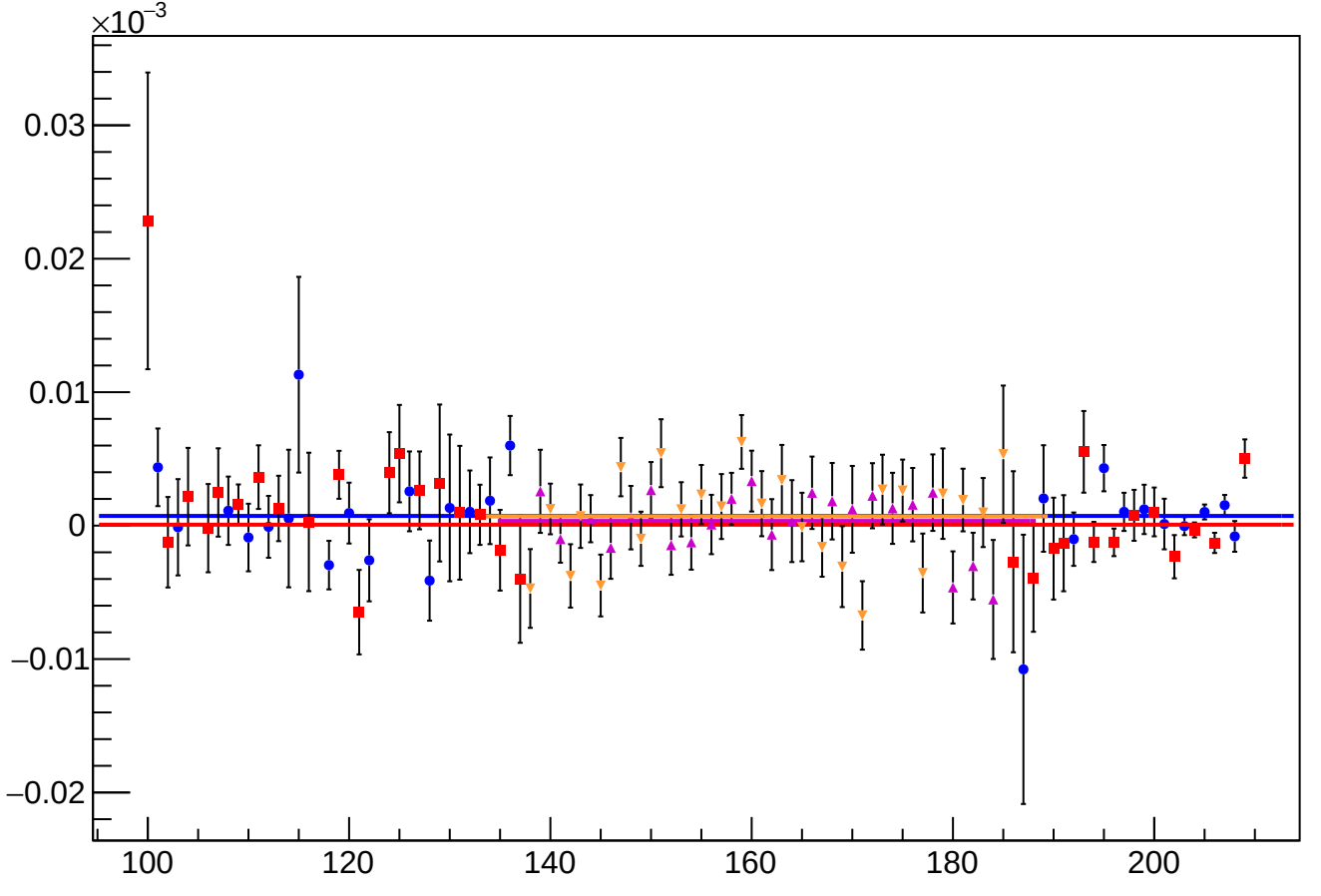
Right Out: 25.504+/-0.005 χ^2/NDF: 3103791.3/31

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.526+/-0.003 χ^2/NDF: 6925891.8/51

All: 25.632+/-0.002 χ^2/NDF: 13155048.1/106

\- sign 25.737+/-0.003 χ^2/NDF: 6227108.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.8/31

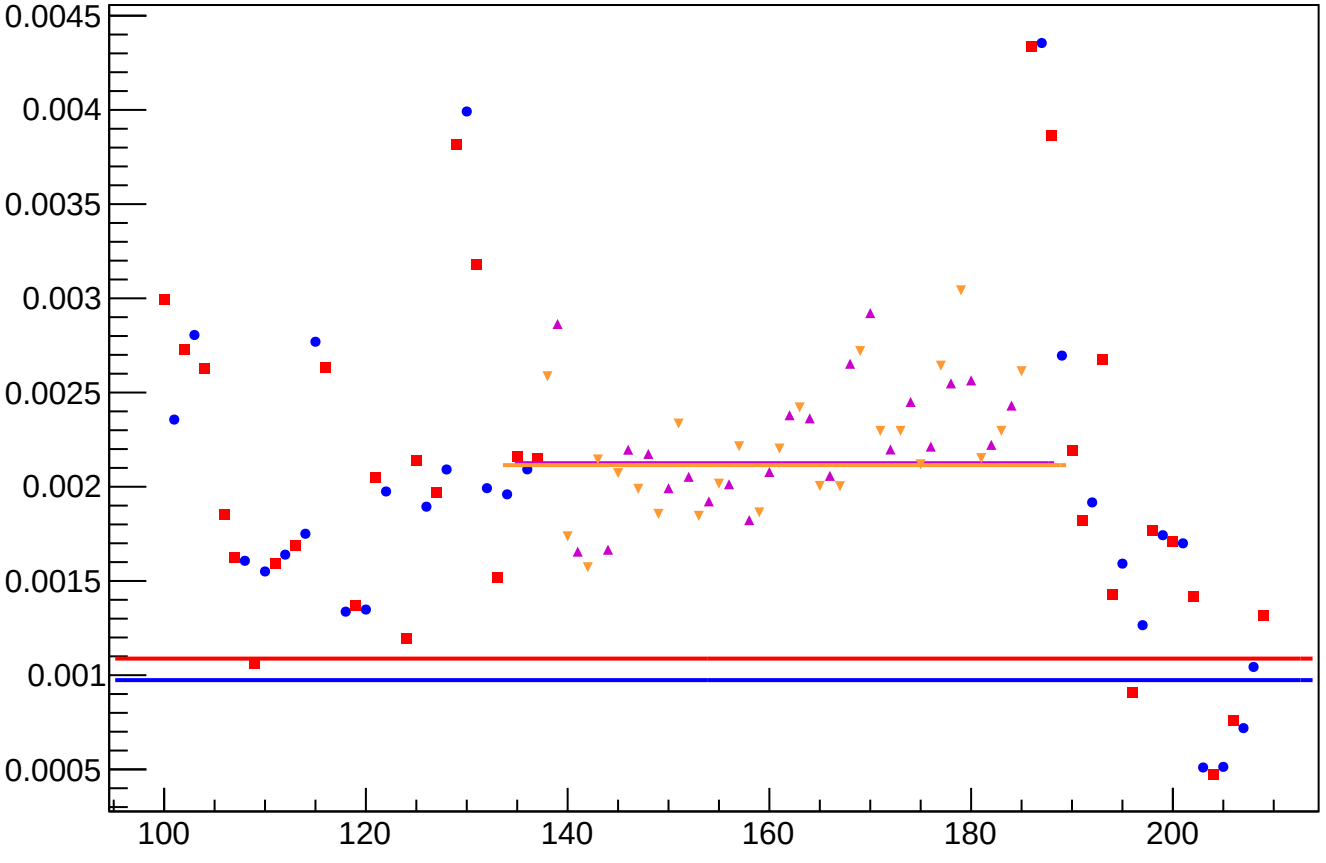
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.7/51

All: 0.000+/-0.000 χ^2/NDF: 141.6/106

- sign 0.000+/-0.000 χ^2/NDF: 65.4/54

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8392640.5/26

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9026749.6/31

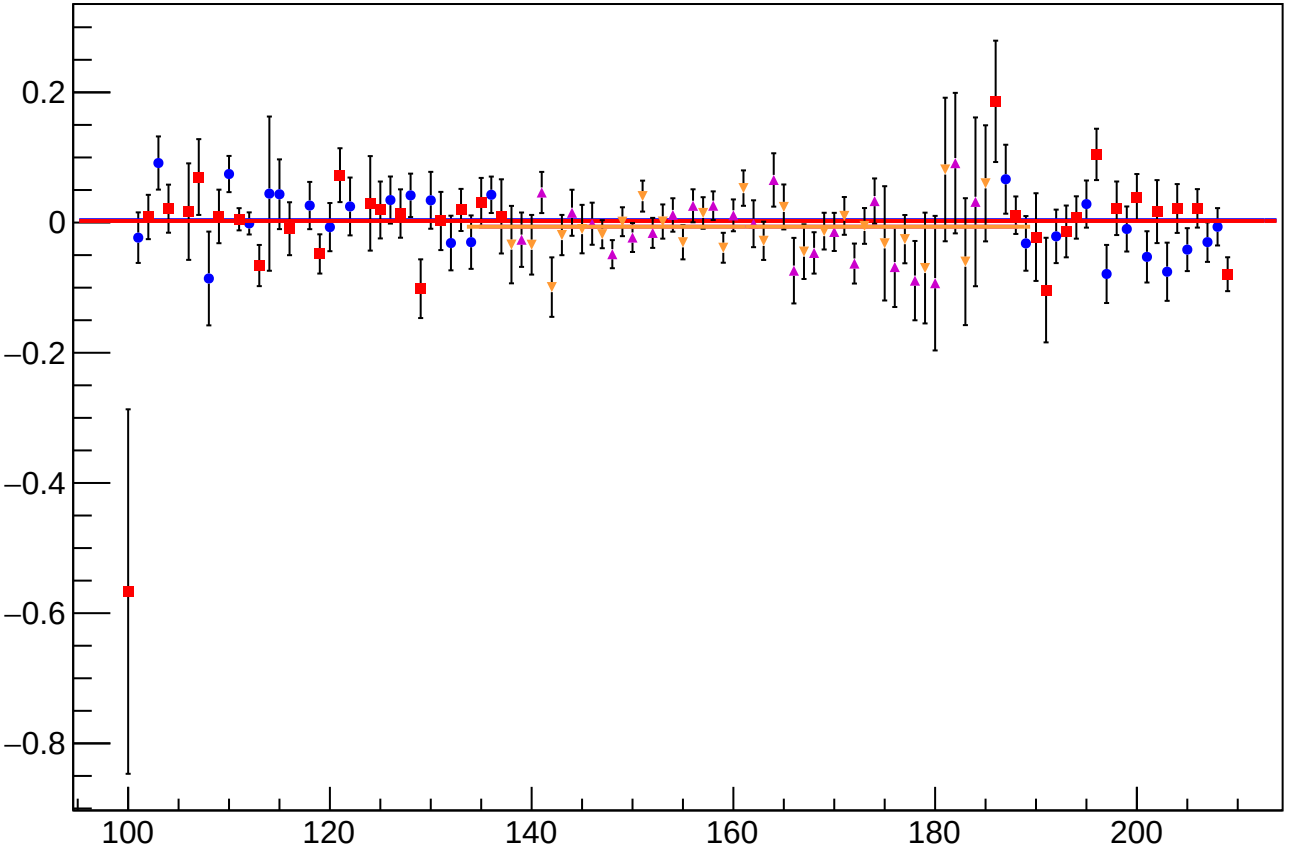
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 17195010.2/51

All: 0.001+/-0.000 χ^2/NDF: 33342213.2/106

- sign 0.001+/-0.000 χ^2/NDF: 16014292.8/54

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.007 χ^2/NDF: 47.7/31

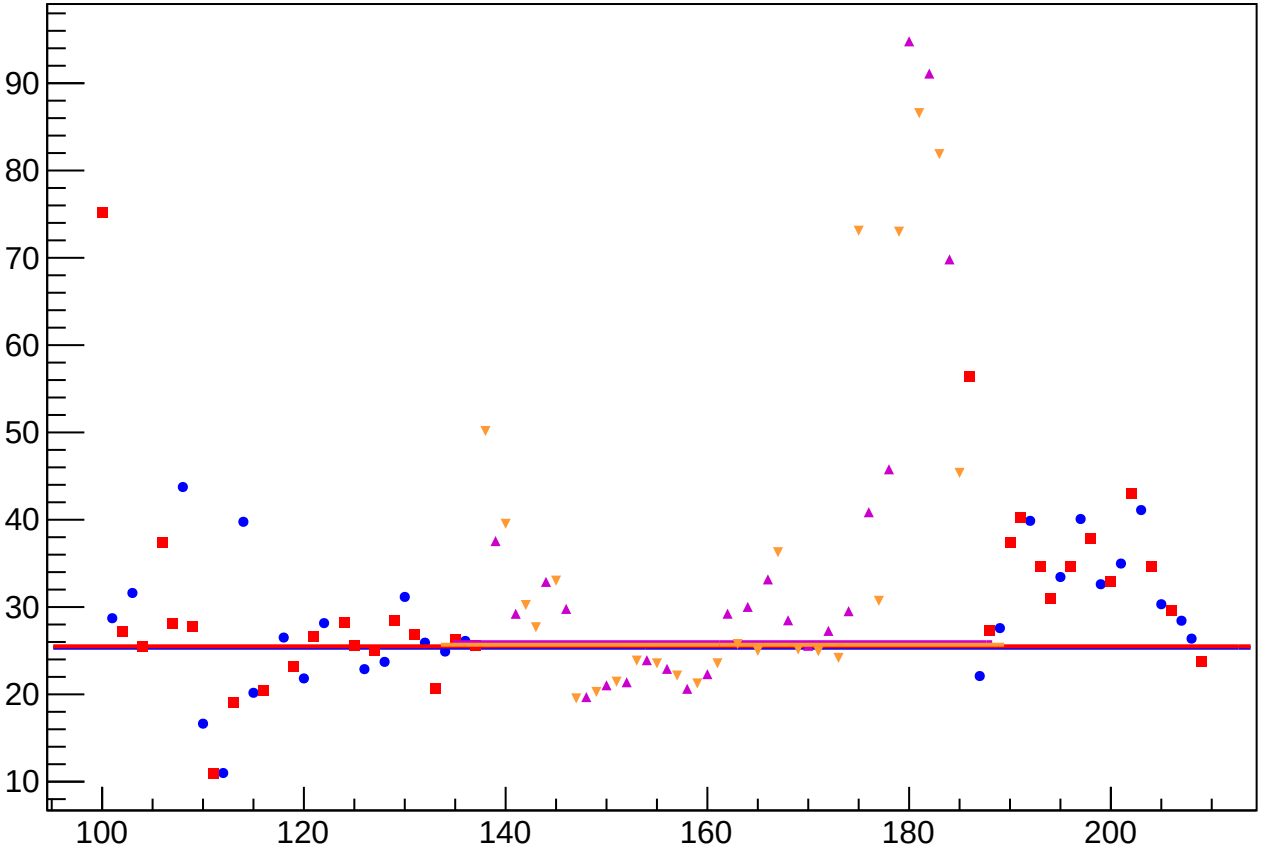
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.002+/-0.003 χ^2/NDF: 136.1/106

- sign -0.002+/-0.005 χ^2/NDF: 76.9/54

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

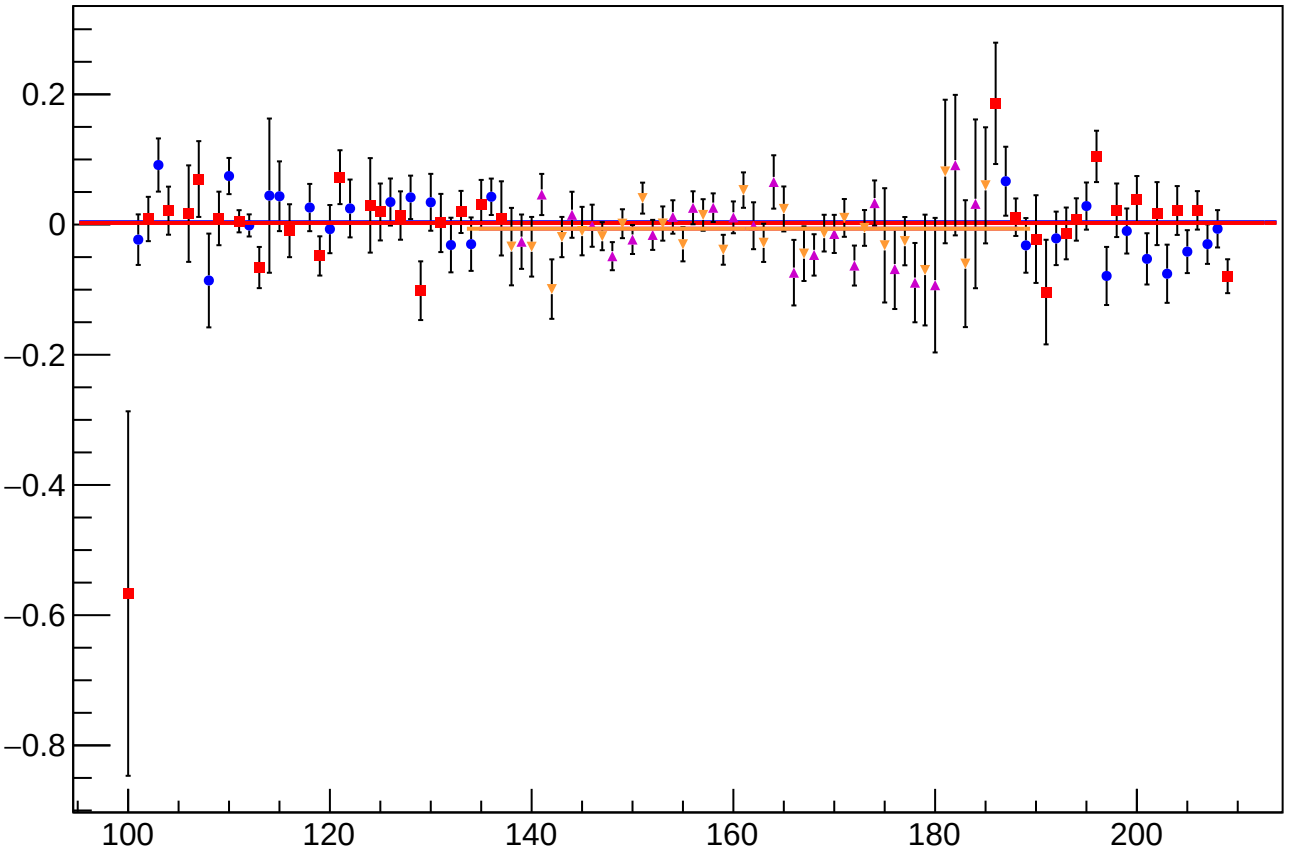
Right Out: 25.504+/-0.005 χ^2/NDF: 3104072.4/31

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.526+/-0.003 χ^2/NDF: 6926184.2/51

All: 25.631+/-0.002 χ^2/NDF: 13155614.9/106

- sign 25.737+/-0.003 χ^2/NDF: 6227384.2/54



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

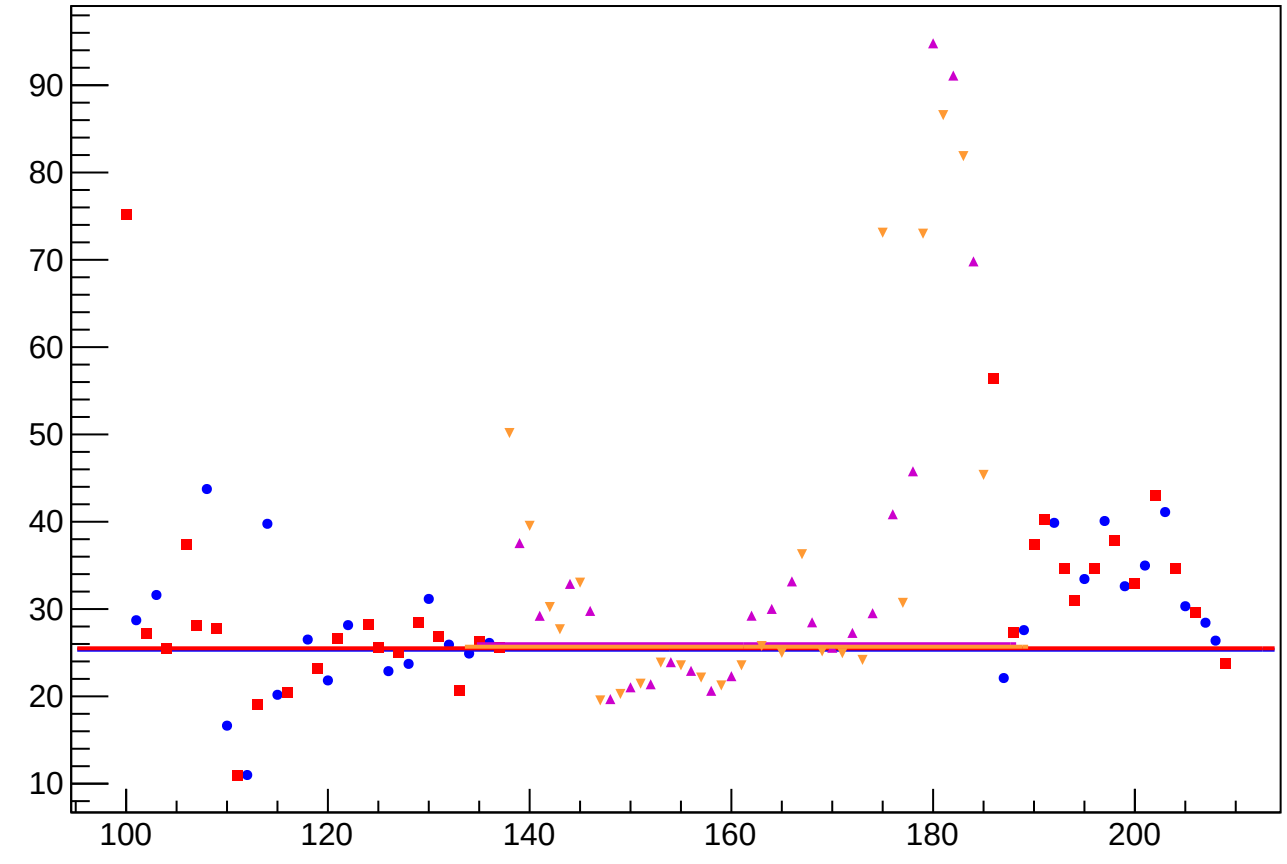
Right Out: 0.002+/-0.007 χ^2/NDF: 47.7/31

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.002+/-0.005 χ^2/NDF: 59.1/51

All: -0.002+/-0.003 χ^2/NDF: 136.1/106

- sign -0.002+/-0.005 χ^2/NDF: 76.9/54



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.504+/-0.005 χ^2/NDF: 3104072.4/31

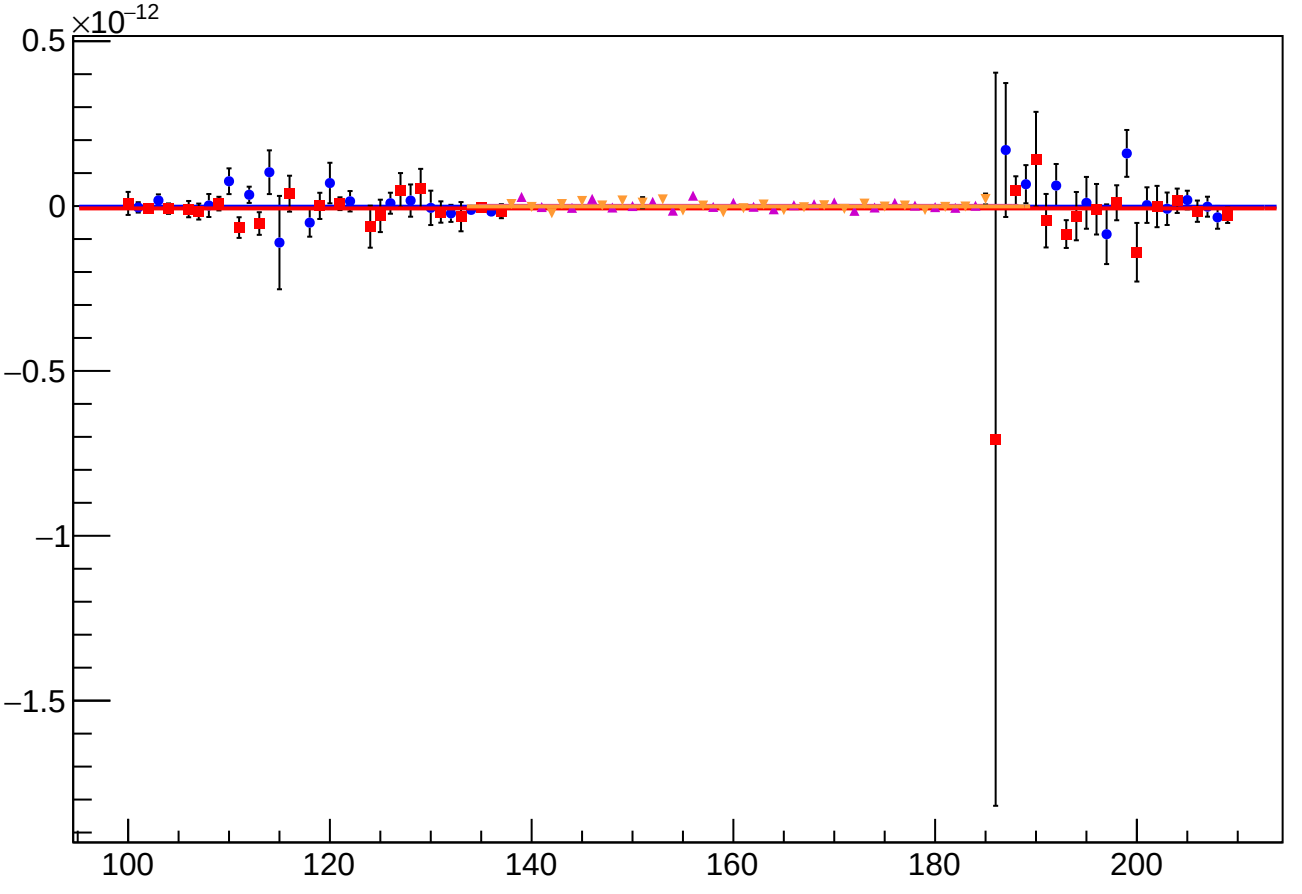
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.526+/-0.003 χ^2/NDF: 6926184.2/51

All: 25.631+/-0.002 χ^2/NDF: 13155614.9/106

- sign 25.737+/-0.003 χ^2/NDF: 6227384.2/54

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

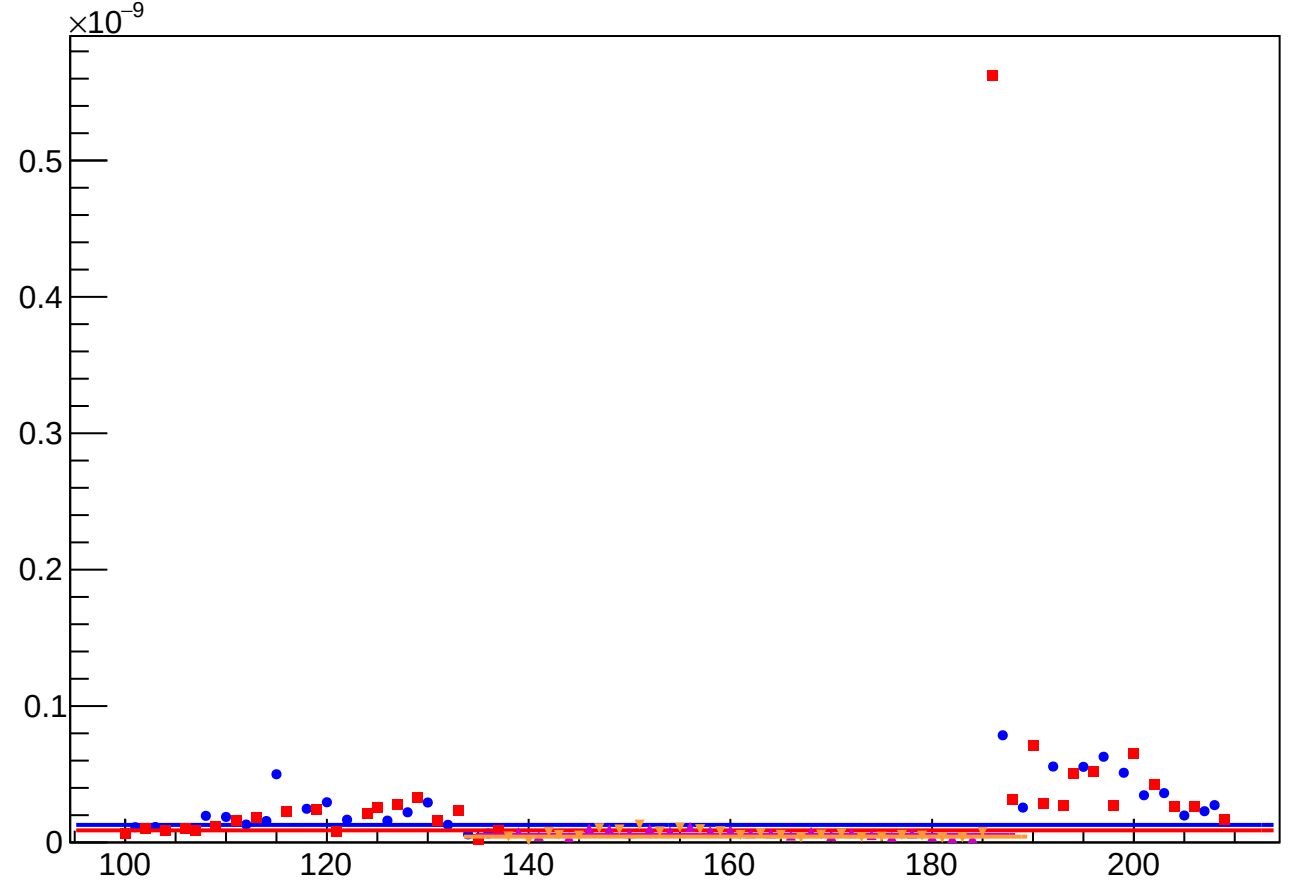
Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/31

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/51

All: -0.000+/-0.000 χ^2/NDF: 110.8/106

- sign -0.000+/-0.000 χ^2/NDF: 54.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 6776958.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10517733.4/31

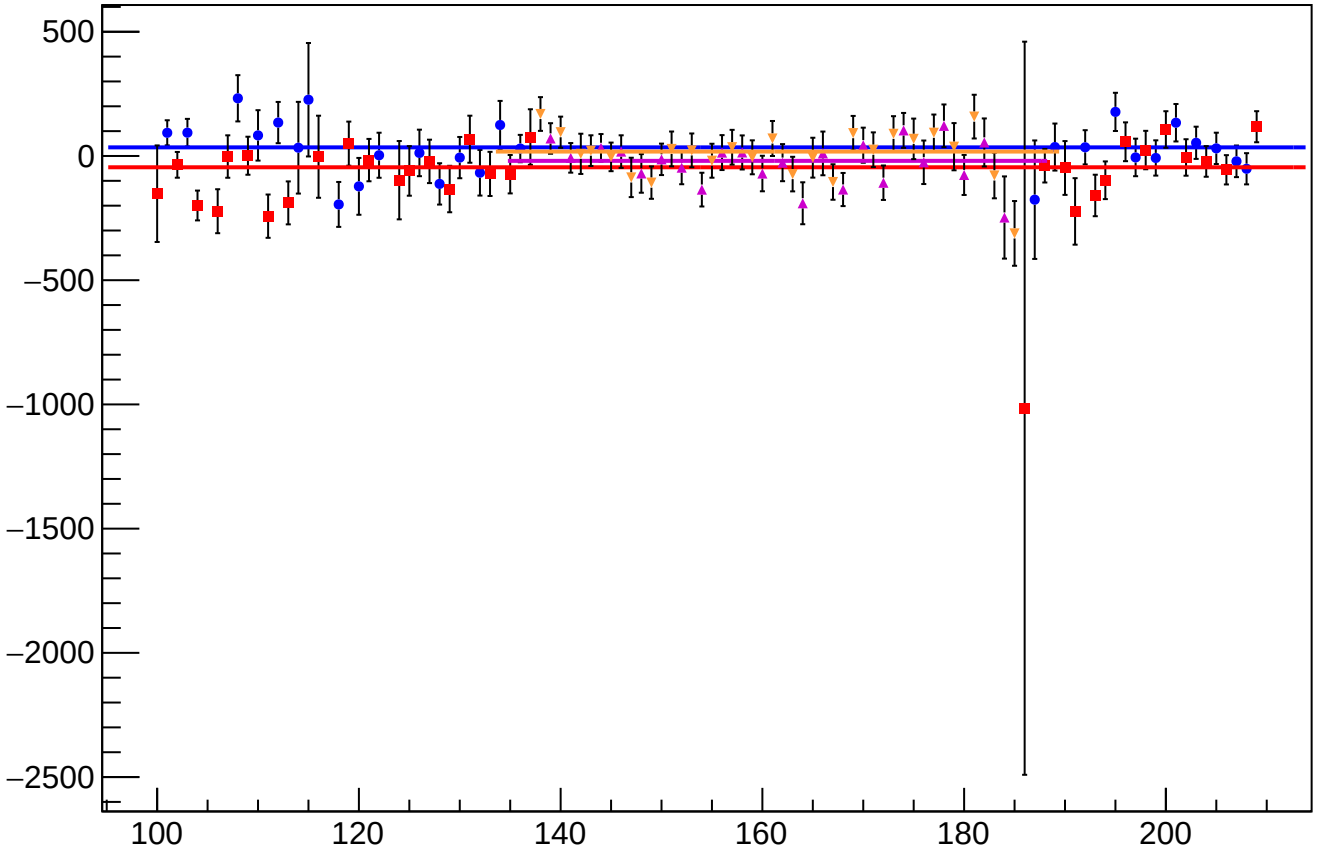
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17443682.5/51

All: 0.000+/-0.000 χ^2/NDF: 32516237.3/106

- sign 0.000+/-0.000 χ^2/NDF: 14508778.7/54

reg_asym_sam_15_avg_mean vs Slug



Right In: 34.694+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -45.465+/-14.529 χ^2/NDF: 43.2/31

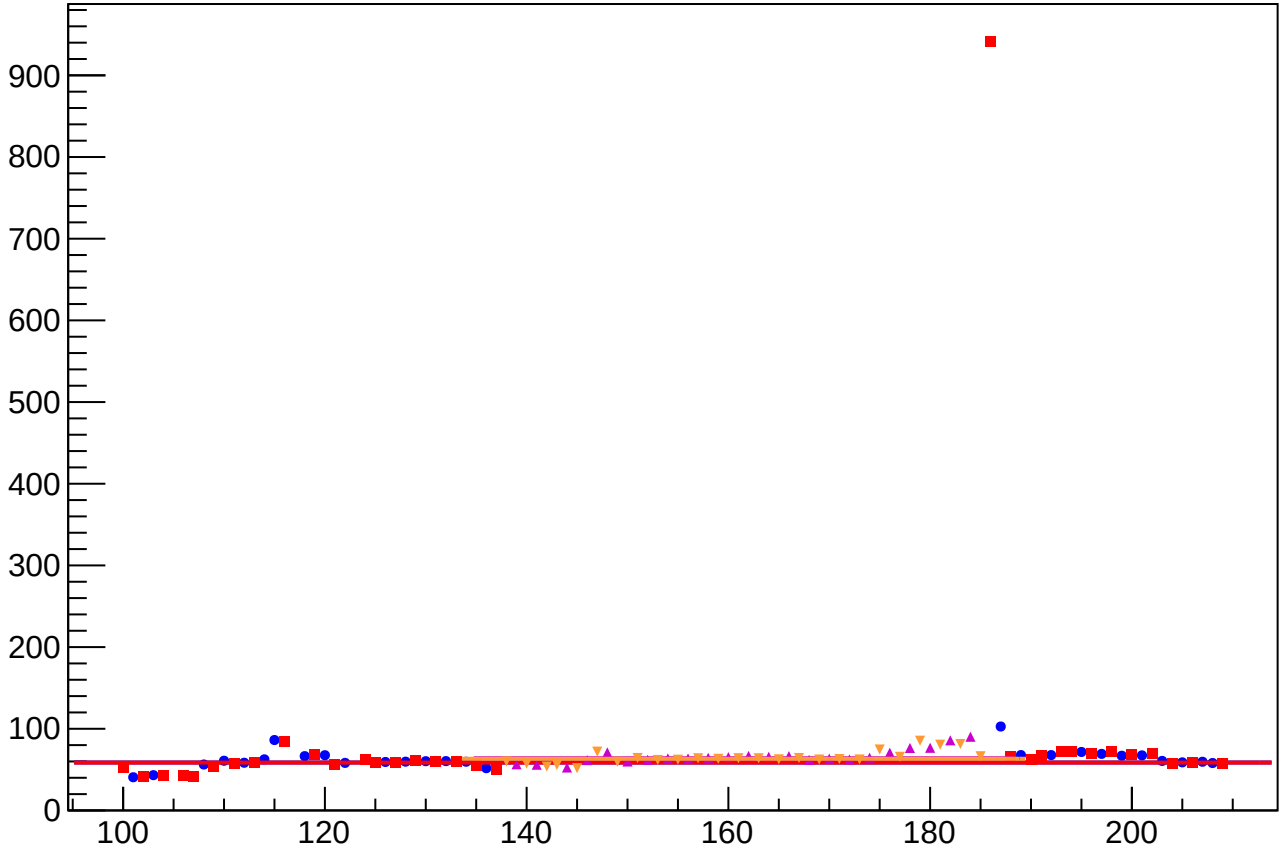
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.962+/-10.421 χ^2/NDF: 64.9/51

All: -3.438+/-7.379 χ^2/NDF: 151.9/106

- sign -33.000+/-10.450 χ^2/NDF: 71.0/54

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.704+/-0.011 χ^2/NDF: 777049.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.623+/-0.010 χ^2/NDF: 1648823.0/31

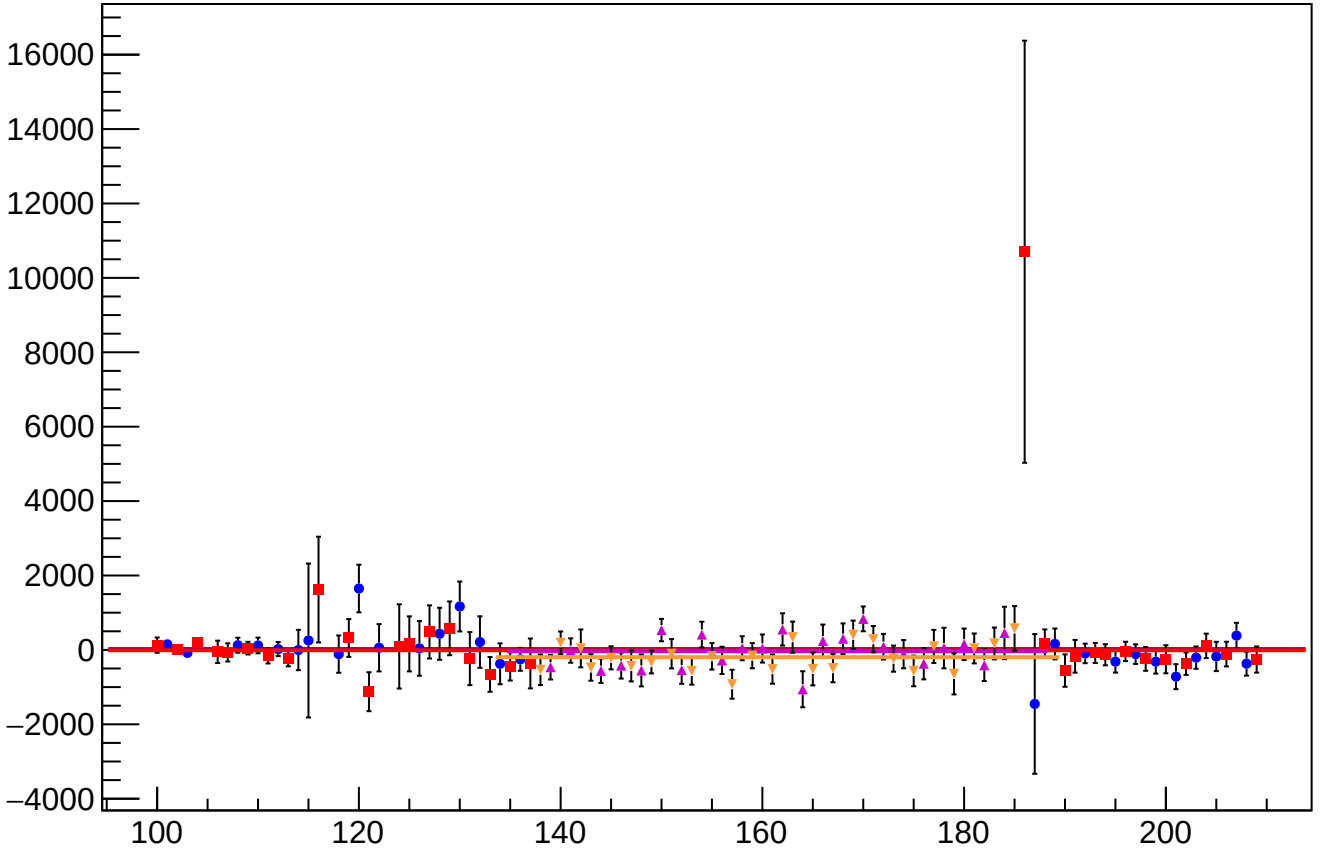
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.086+/-0.007 χ^2/NDF: 1372159.1/51

All: 61.132+/-0.005 χ^2/NDF: 3594591.1/106

- sign 61.179+/-0.007 χ^2/NDF: 2222351.7/54

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 19.533+/-42.111 χ^2/NDF: 28.6/26

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -9.589+/-44.339 χ^2/NDF: 27.5/31

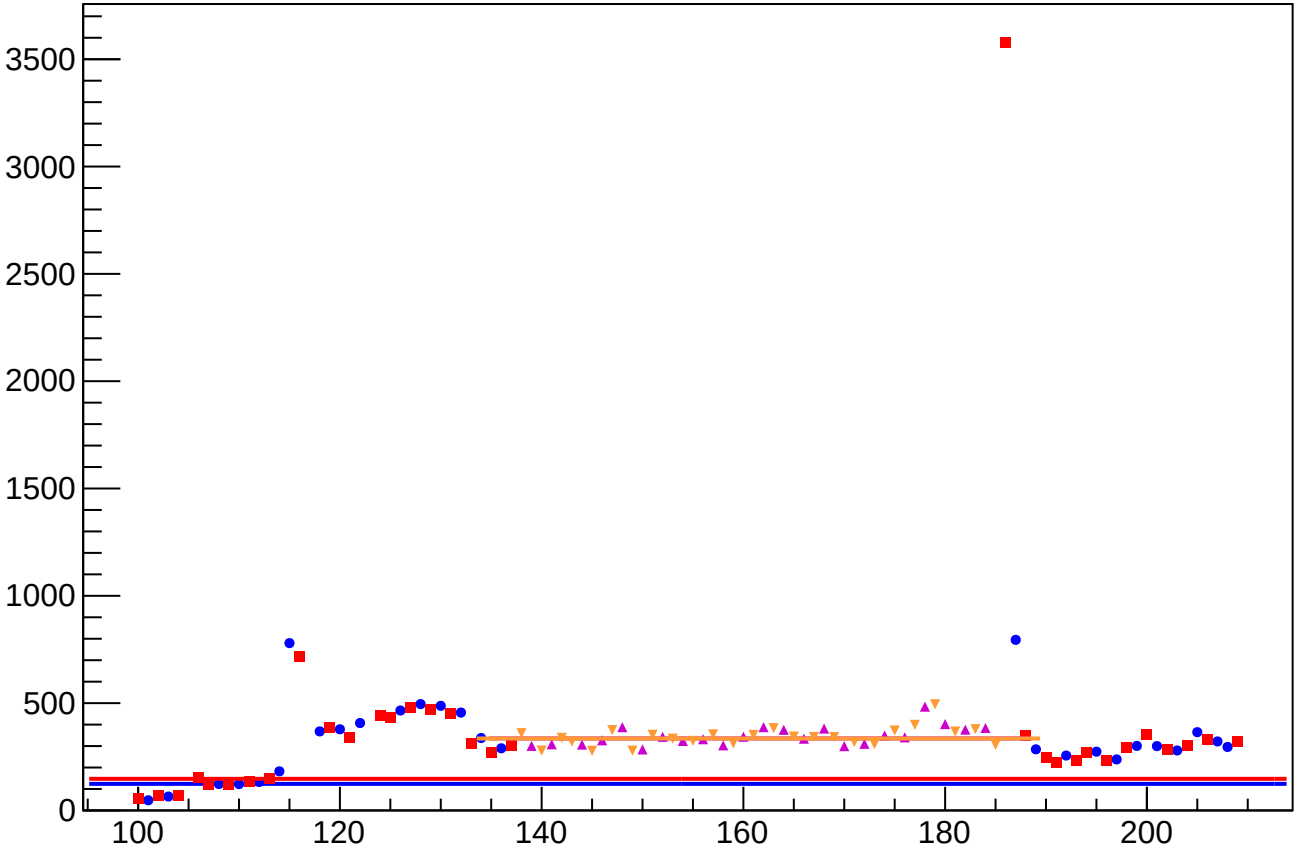
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -29.990+/-36.956 χ^2/NDF: 55.2/51

All: -23.310+/-26.724 χ^2/NDF: 113.9/106

\- sign -15.990+/-38.690 χ^2/NDF: 58.7/54

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 123.930+/-0.030 χ^2/NDF: 13434629.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 147.372+/-0.031 χ^2/NDF: 11831716.8/31

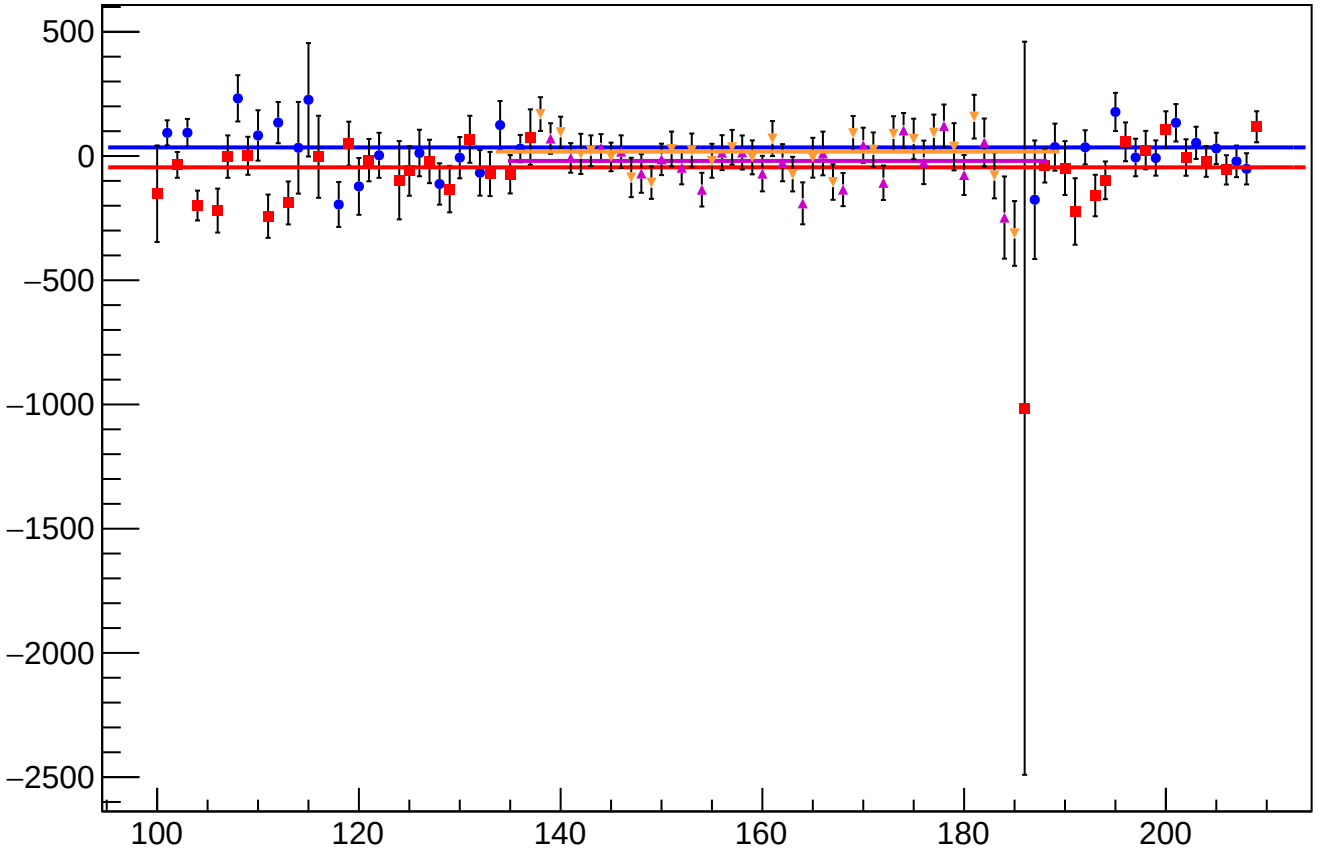
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 172.502+/-0.026 χ^2/NDF: 25575817.2/51

All: 181.929+/-0.019 χ^2/NDF: 46768052.8/10

- sign 192.262+/-0.027 χ^2/NDF: 20919445.4/54

cor_asym_sam_15_avg_mean vs Slug



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -45.391+/-14.530 χ^2/NDF: 43.1/31

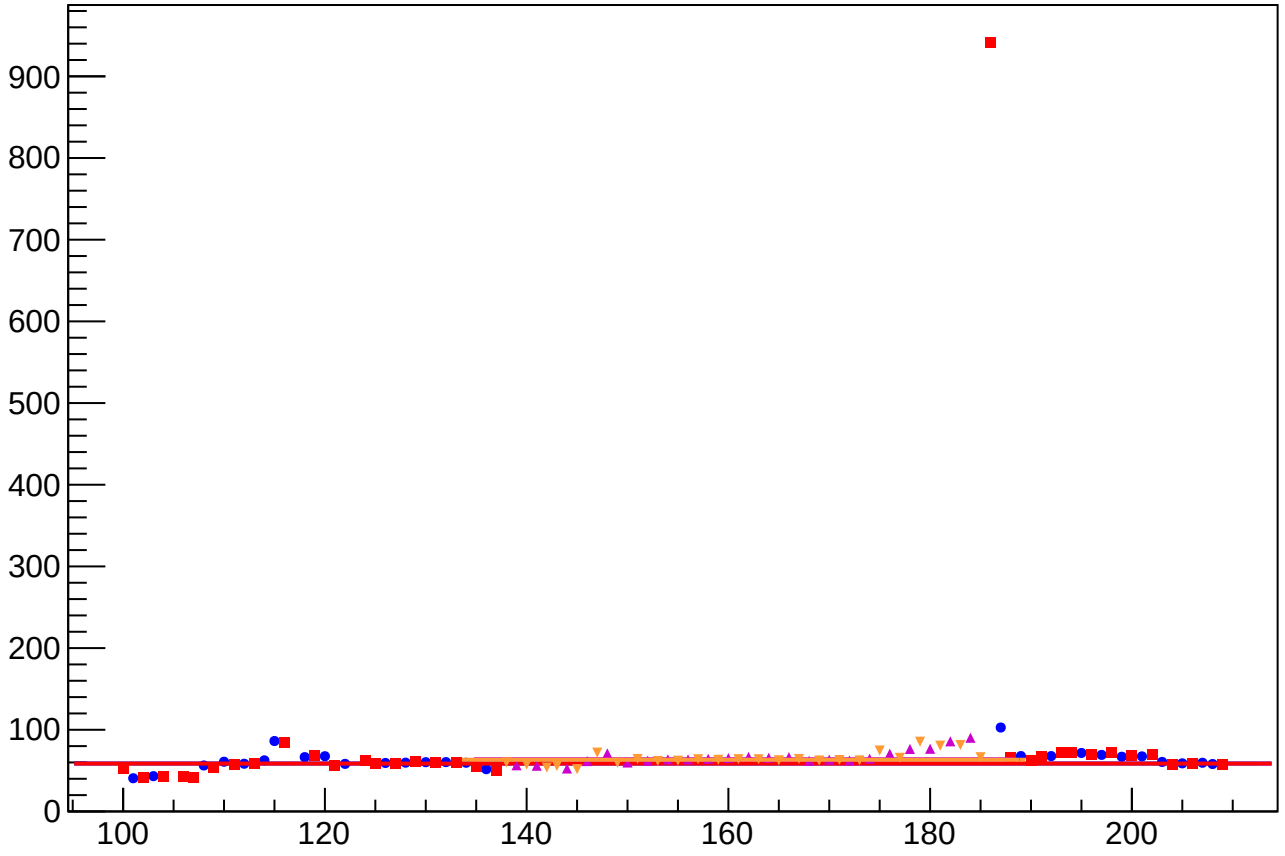
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.967+/-10.421 χ^2/NDF: 64.9/51

All: -3.415+/-7.379 χ^2/NDF: 151.7/106

- sign -32.960+/-10.450 χ^2/NDF: 70.8/54

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.623+/-0.010 χ^2/NDF: 1649238.1/31

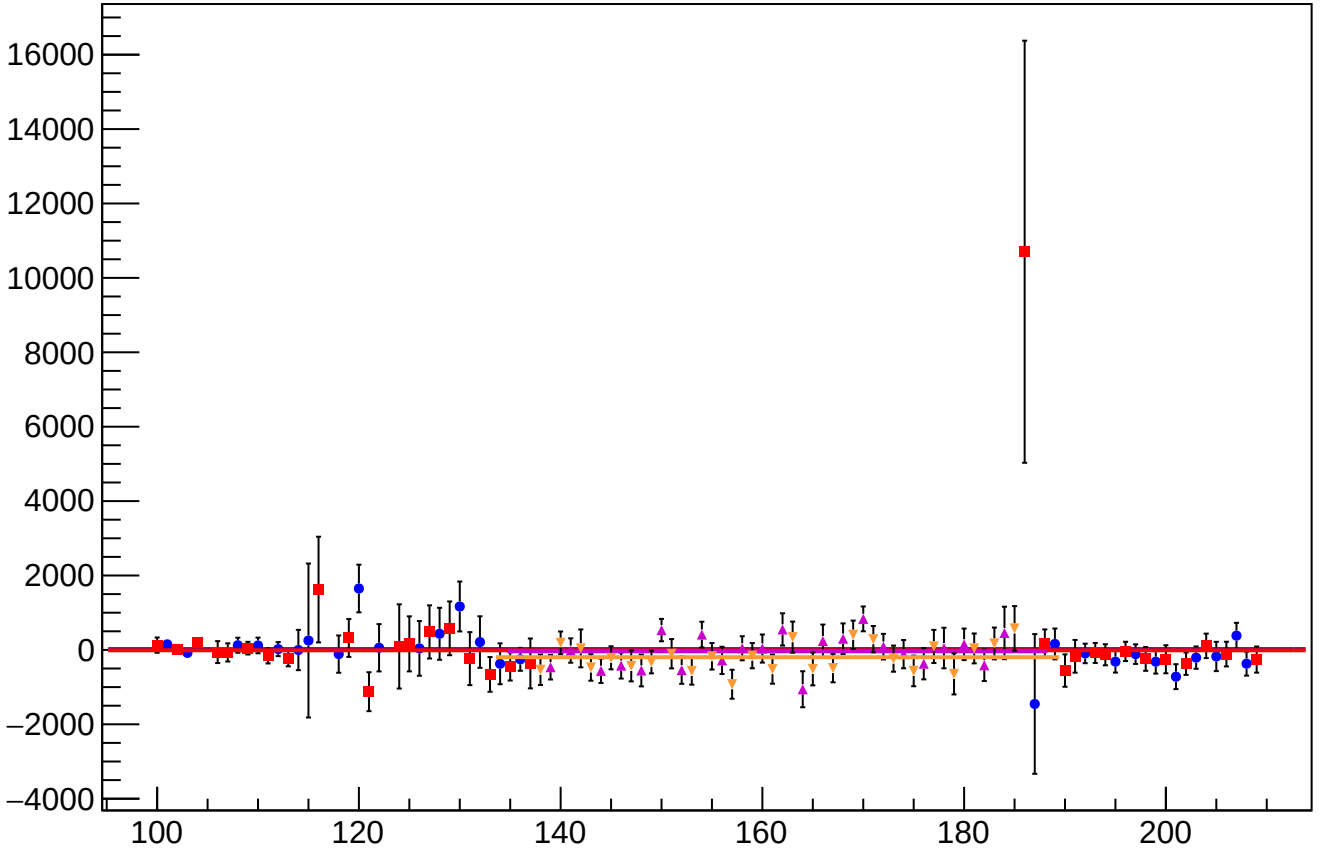
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.086+/-0.007 χ^2/NDF: 1372158.0/51

All: 61.132+/-0.005 χ^2/NDF: 3595037.5/106

- sign 61.179+/-0.007 χ^2/NDF: 2222799.8/54

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -9.885+/-44.309 χ^2/NDF: 27.5/31

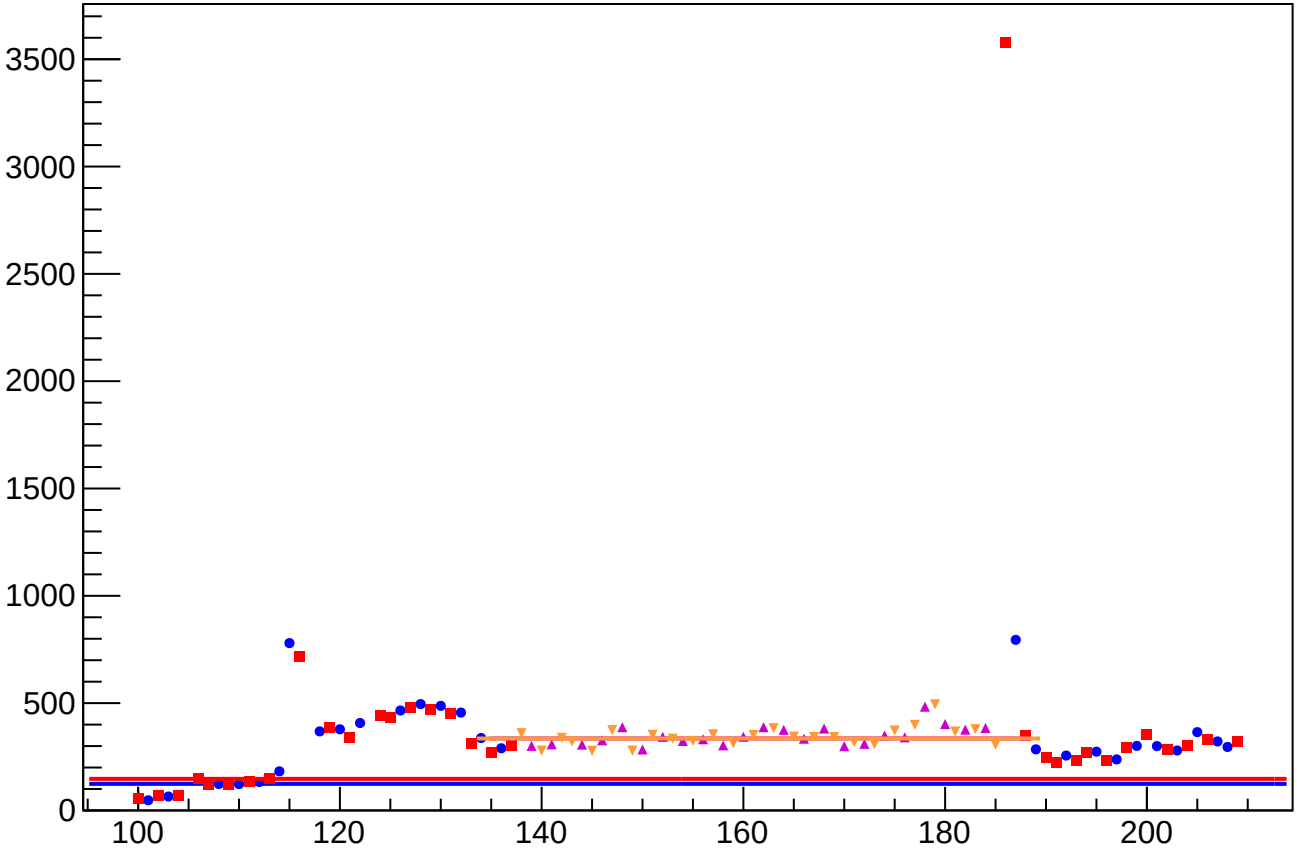
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -29.984+/-36.956 χ^2/NDF: 55.2/51

All: -23.408+/-26.717 χ^2/NDF: 113.9/106

\- sign -16.208+/-38.670 χ^2/NDF: 58.7/54

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 147.182+/-0.031 χ^2/NDF: 11836791.8/31

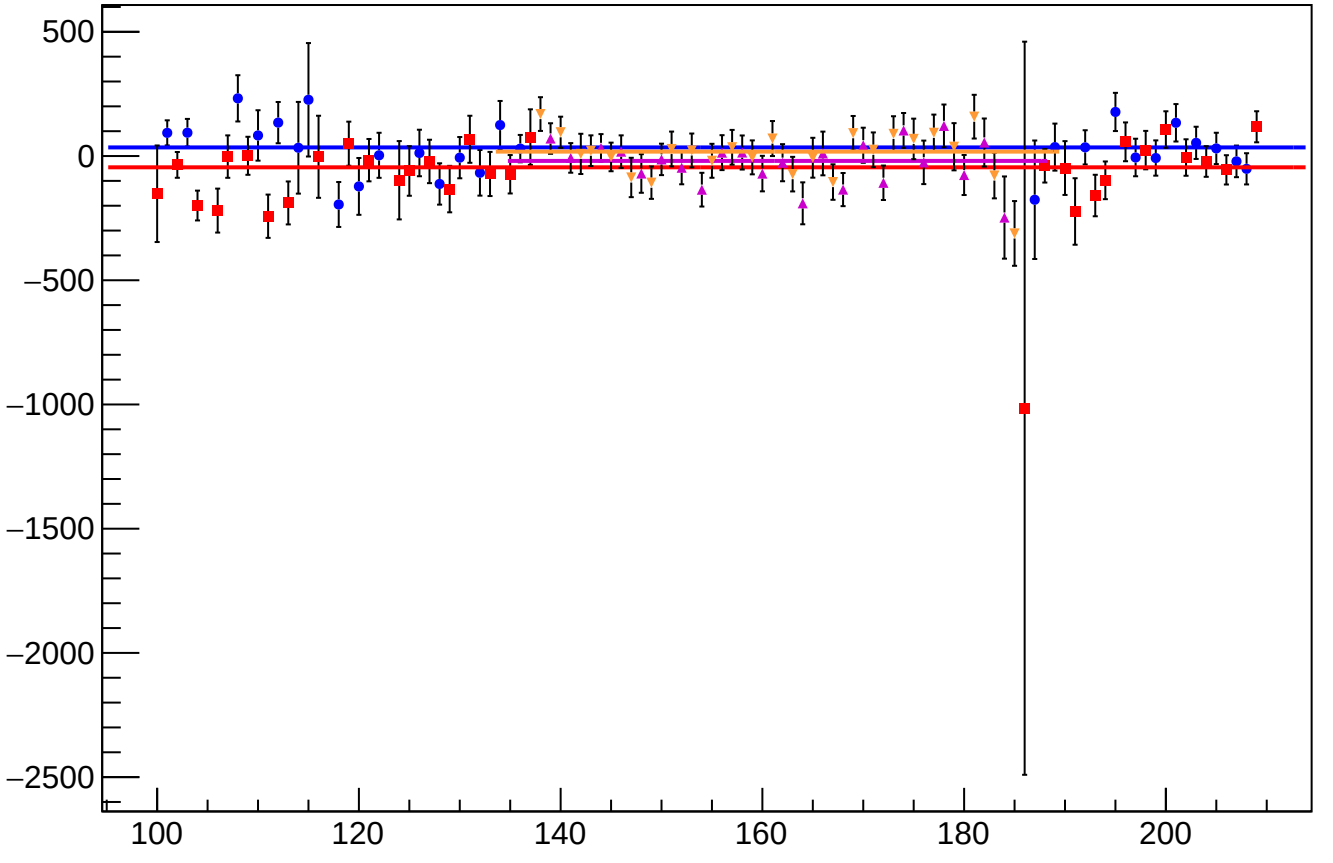
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 172.498+/-0.026 χ^2/NDF: 25576587.4/51

All: 181.841+/-0.019 χ^2/NDF: 46789035.8/10

- sign 192.071+/-0.027 χ^2/NDF: 20944634.0/54

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -45.391+/-14.530 χ^2/NDF: 43.1/31

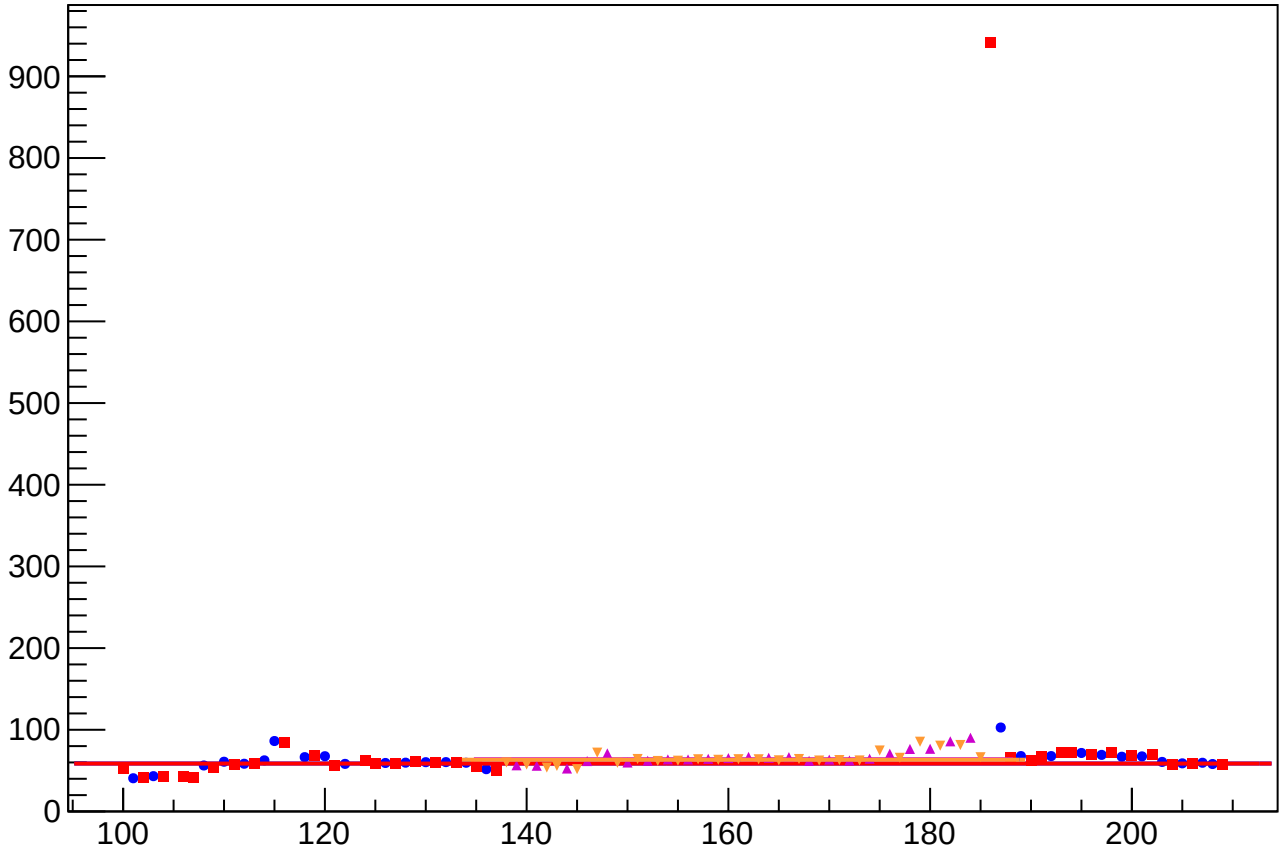
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.967+/-10.421 χ^2/NDF: 64.9/51

All: -3.415+/-7.379 χ^2/NDF: 151.7/106

- sign -32.960+/-10.450 χ^2/NDF: 70.8/54

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

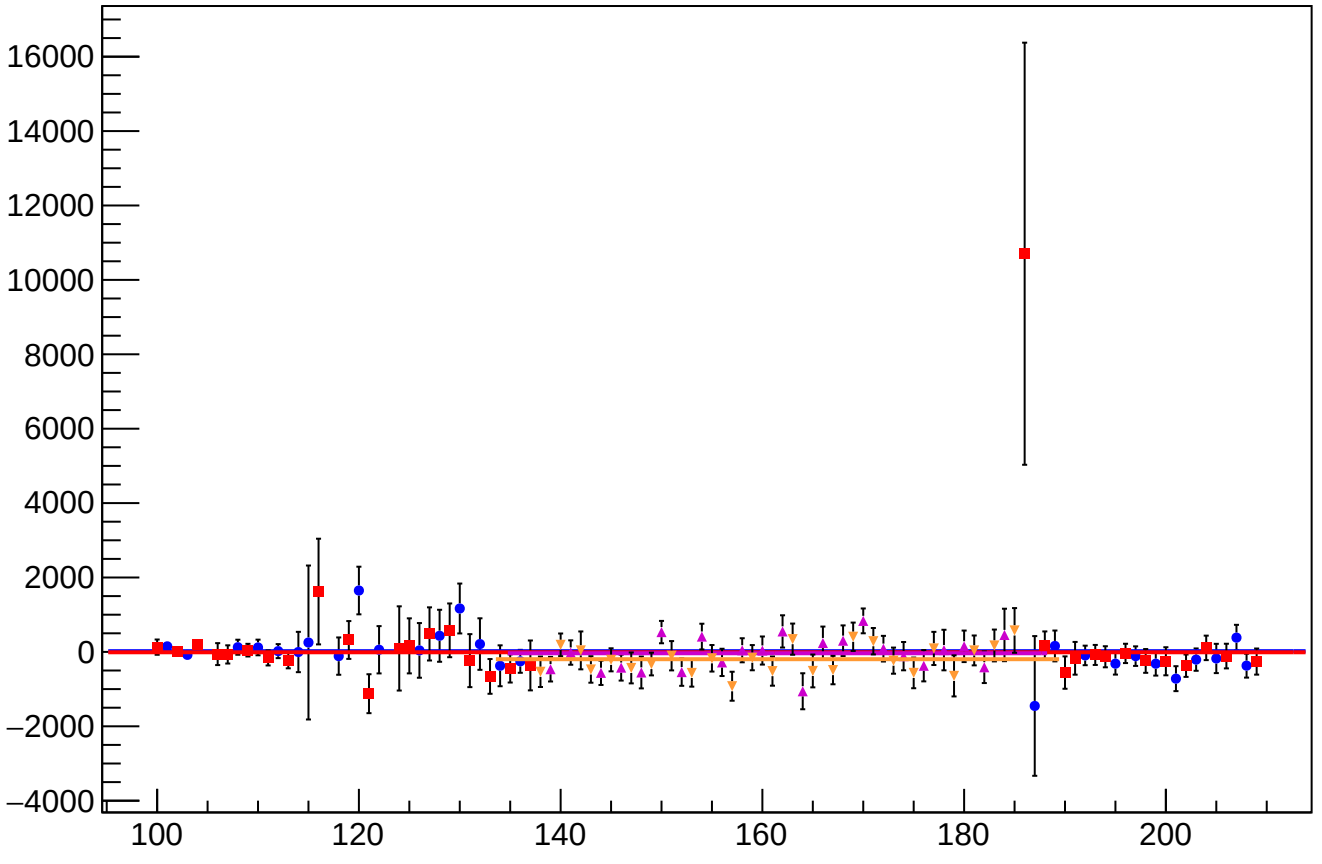
Right Out: 58.623+/-0.010 χ^2/NDF: 1649238.1/31

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.086+/-0.007 χ^2/NDF: 1372158.0/51

All: 61.132+/-0.005 χ^2/NDF: 3595037.5/106

- sign 61.179+/-0.007 χ^2/NDF: 2222799.8/54



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

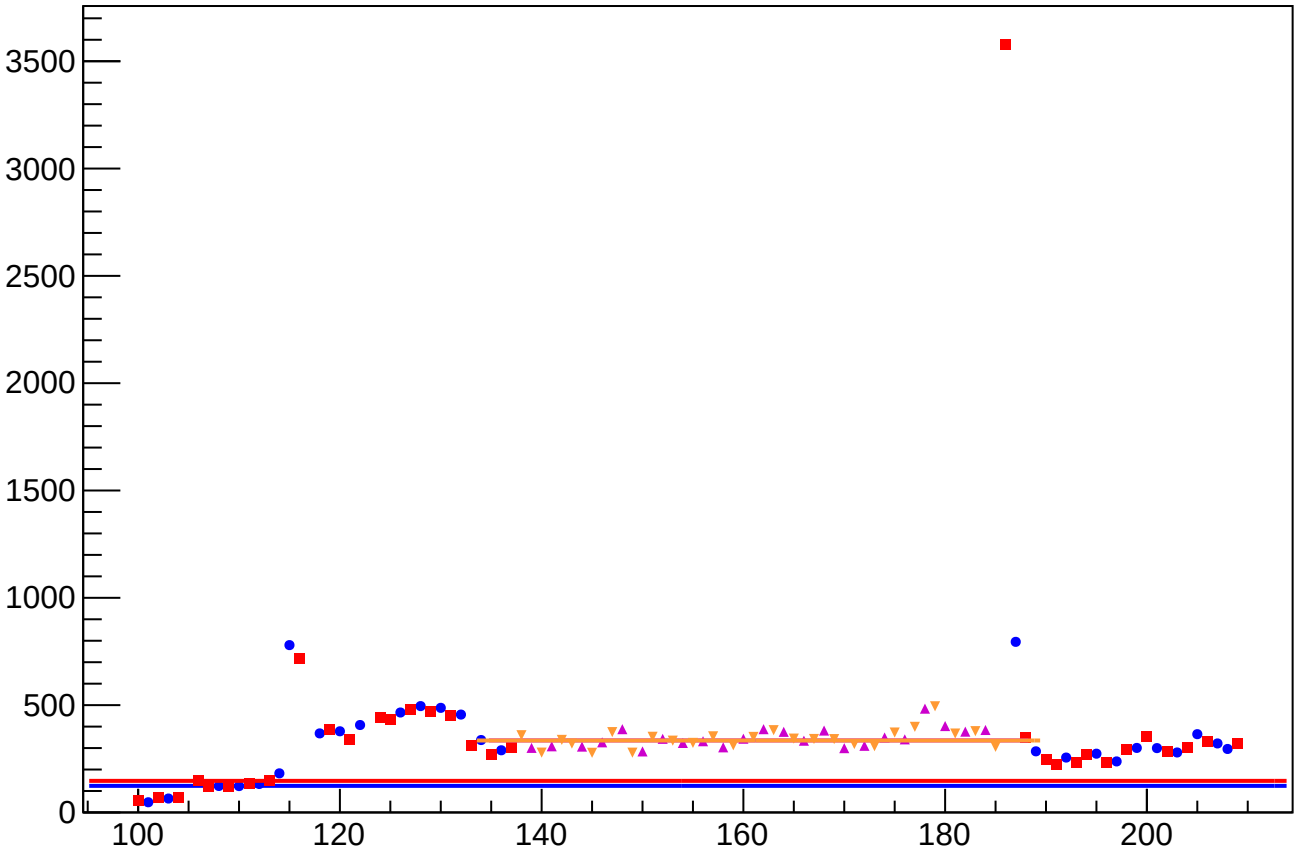
Right Out: -9.885+/-44.309 χ^2/NDF: 27.5/31

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -29.984+/-36.956 χ^2/NDF: 55.2/51

All: -23.408+/-26.717 χ^2/NDF: 113.9/106

- sign -16.208+/-38.670 χ^2/NDF: 58.7/54



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 147.182+/-0.031 χ^2/NDF: 11836791.8/31

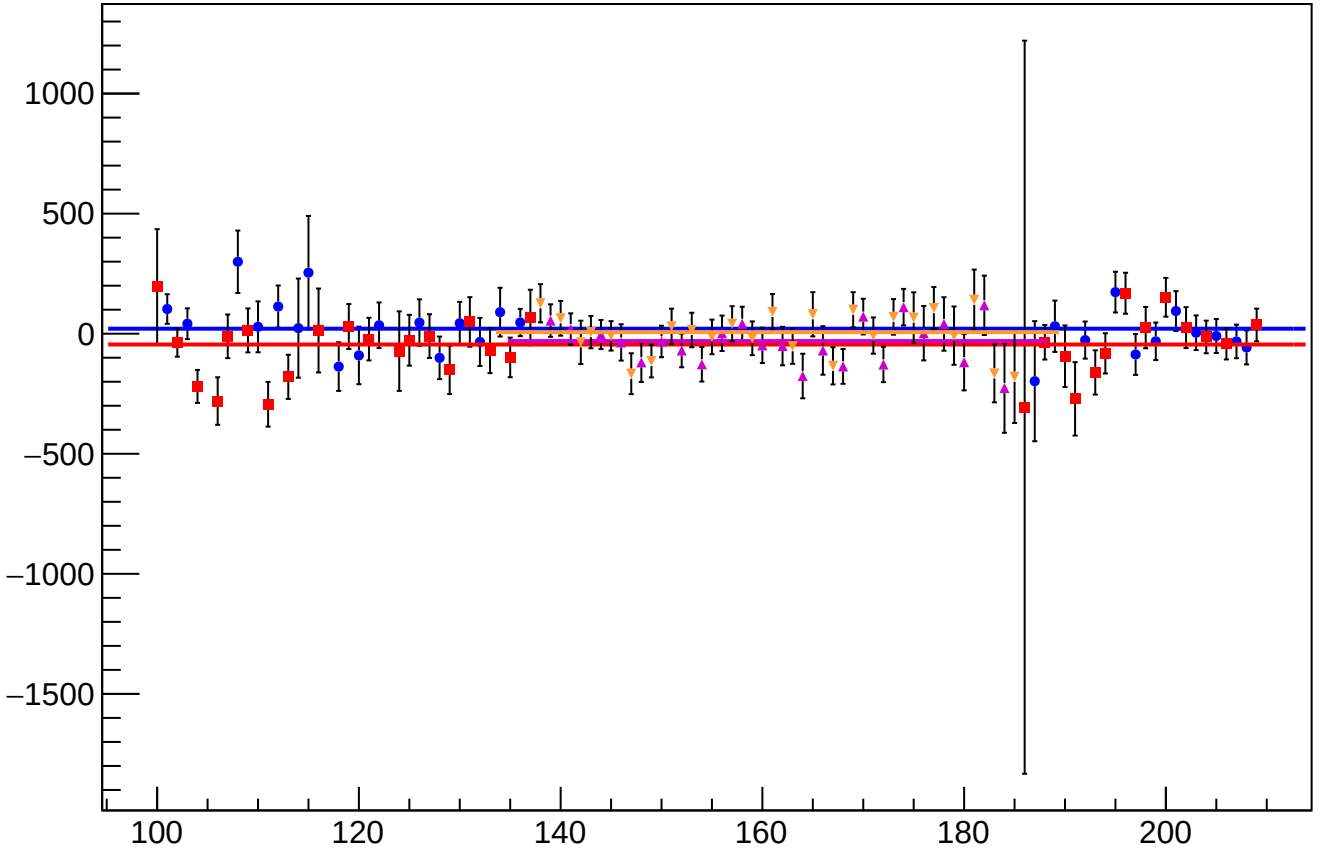
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 172.498+/-0.026 χ^2/NDF: 25576587.4/51

All: 181.841+/-0.019 χ^2/NDF: 46789035.8/10

- sign 192.071+/-0.027 χ^2/NDF: 20944634.0/54

dit_asym_sam_15_avg_mean vs Slug



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -44.992+/-15.932 χ^2/NDF: 46.7/31

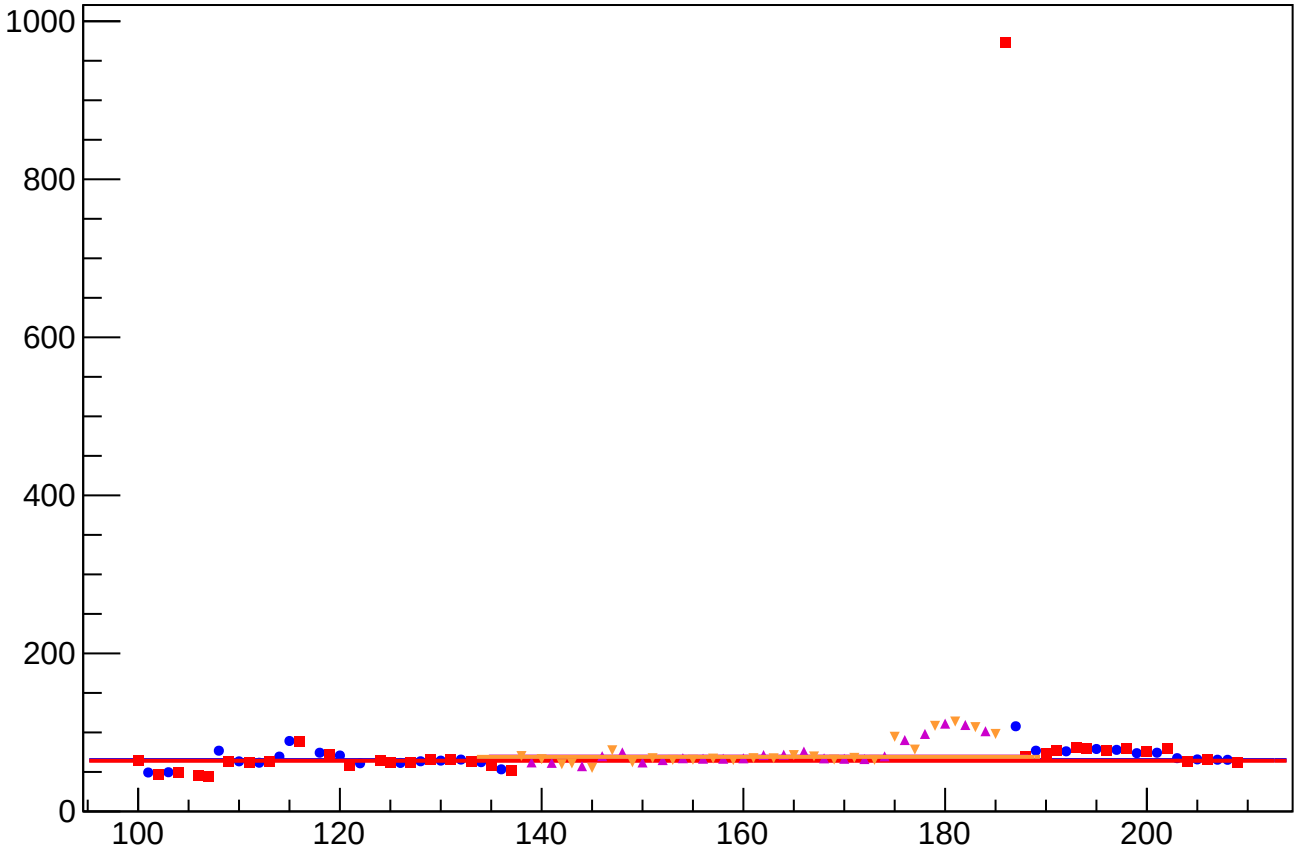
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 13.367+/-11.513 χ^2/NDF: 49.5/51

All: -12.471+/-8.123 χ^2/NDF: 129.1/106

- sign -38.079+/-11.462 χ^2/NDF: 69.6/54

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.026+/-0.012 χ^2/NDF: 681354.9/26

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.165+/-0.011 χ^2/NDF: 1635583.9/31

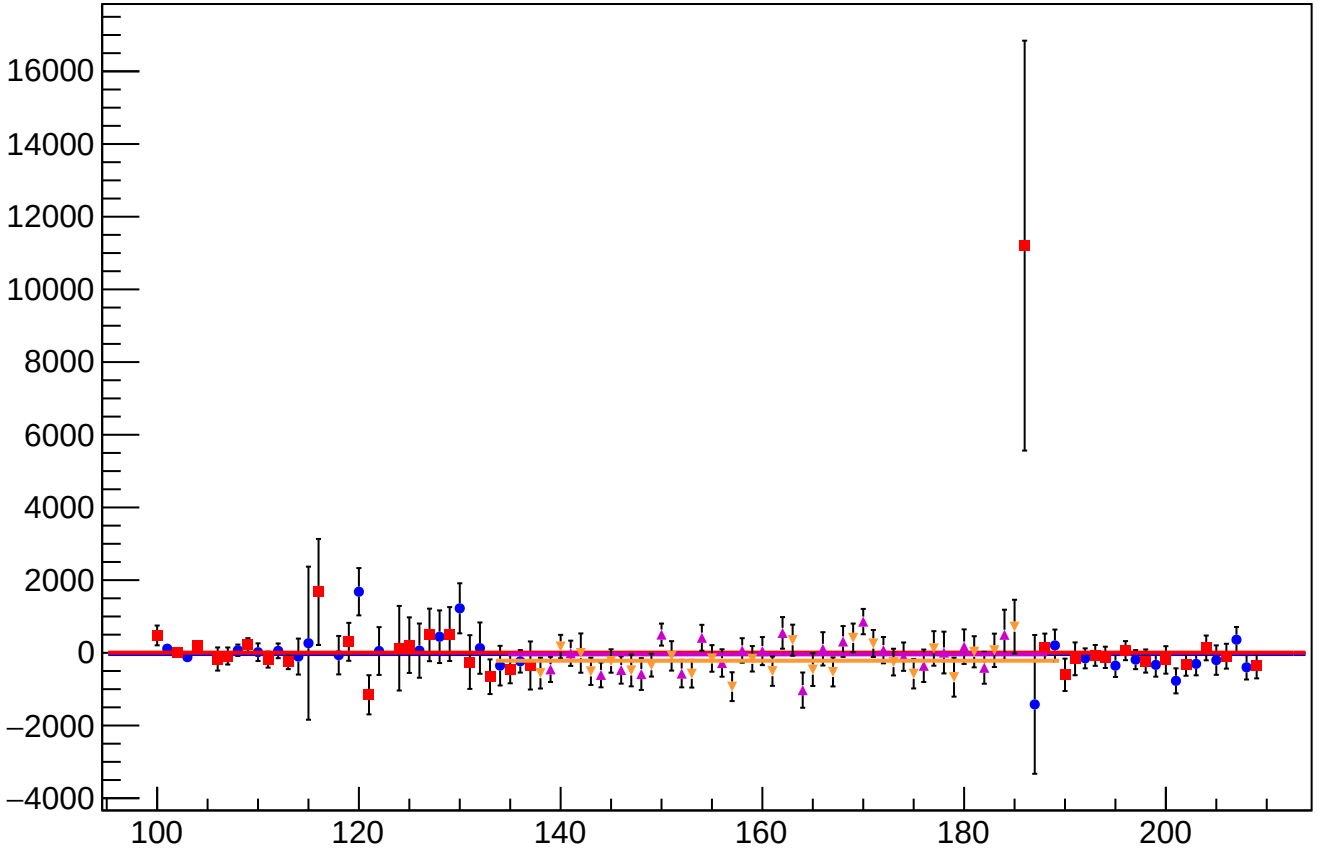
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.130+/-0.008 χ^2/NDF: 1817212.4/51

All: 66.918+/-0.006 χ^2/NDF: 4484365.4/106

- sign 66.708+/-0.008 χ^2/NDF: 2665801.1/54

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 4.982+/-46.588 χ^2/NDF: 31.5/31

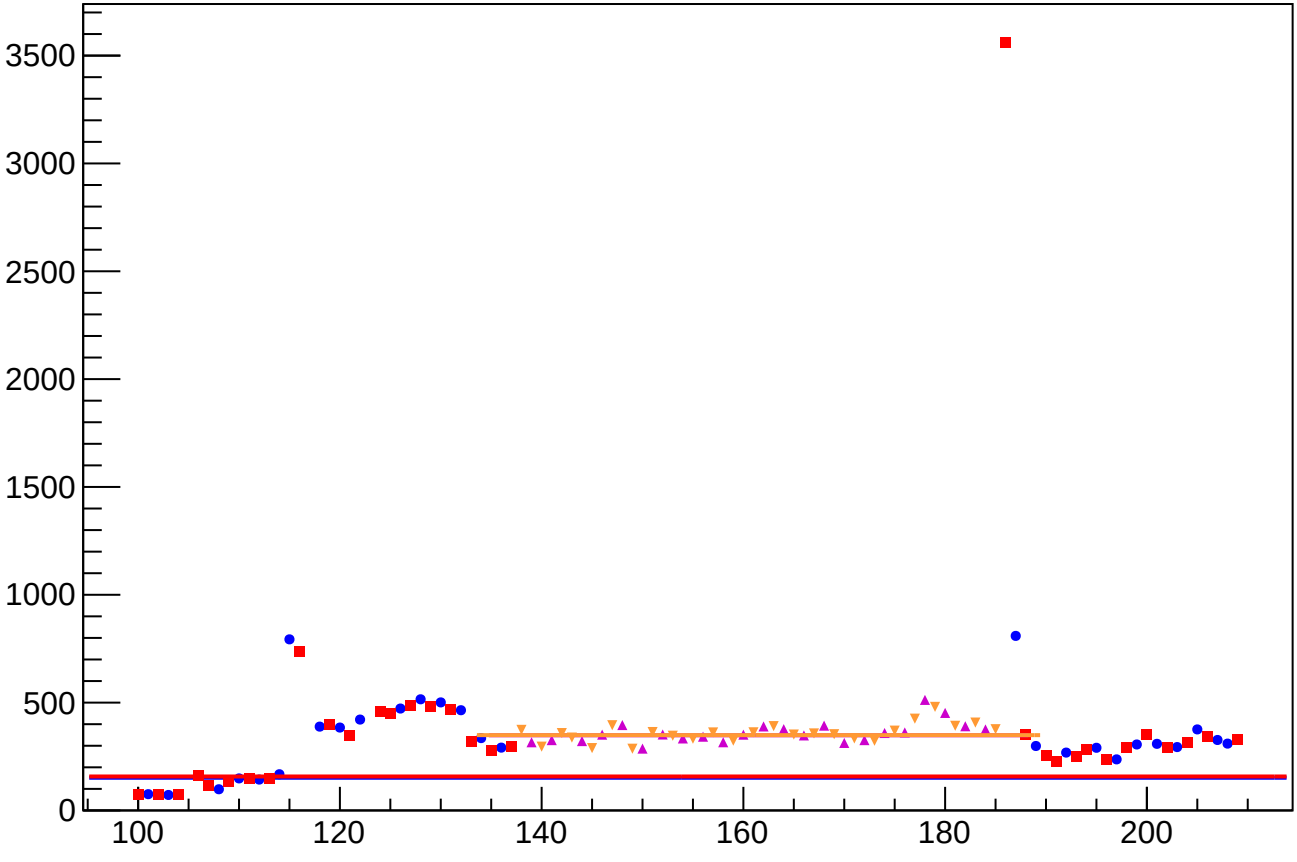
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -81.411+/-40.868 χ^2/NDF: 50.0/51

All: -43.556+/-28.780 χ^2/NDF: 113.5/106

- sign -6.310+/-40.538 χ^2/NDF: 61.7/54

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 151.675+/-0.034 χ^2/NDF: 10923880.5/26

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 157.503+/-0.033 χ^2/NDF: 11214411.5/31

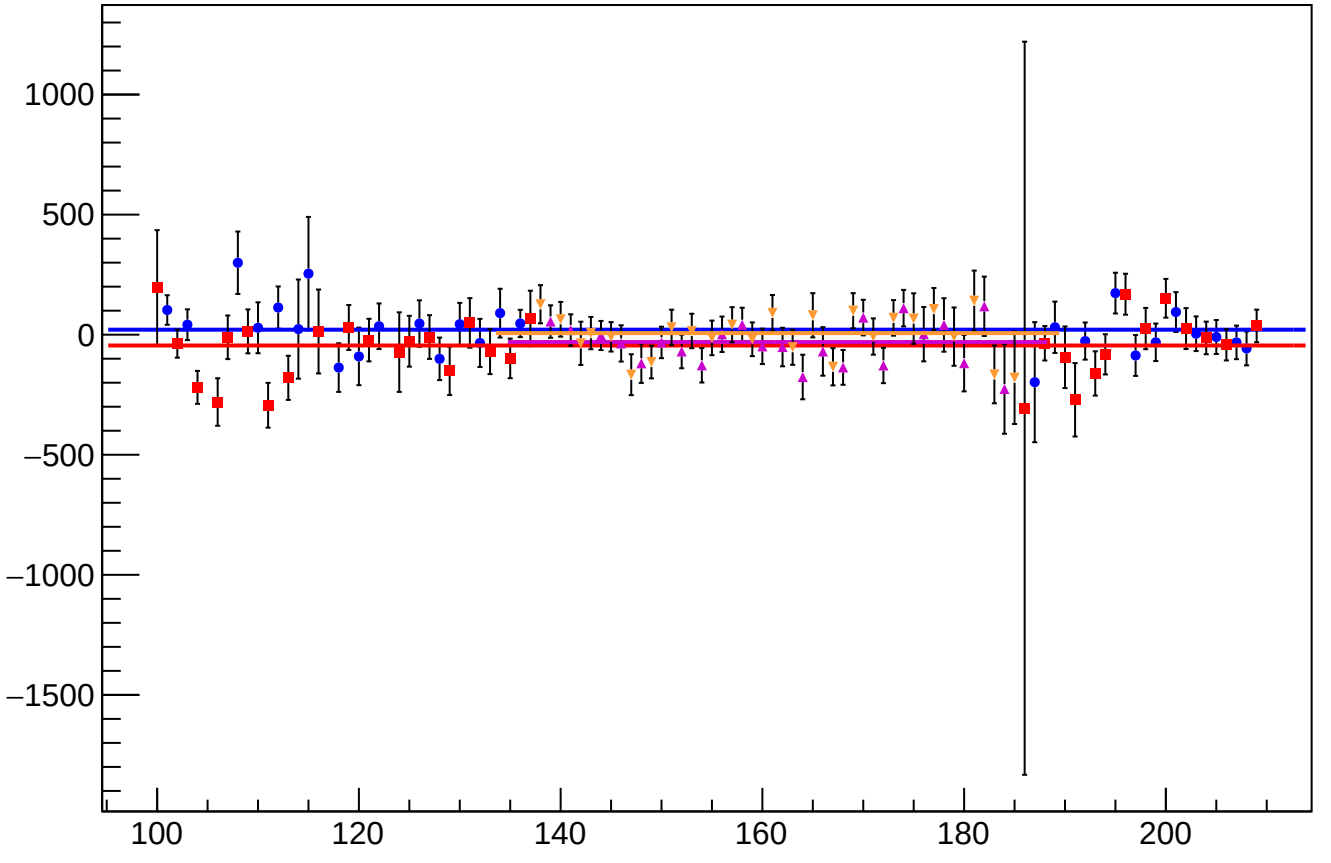
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 203.045+/-0.029 χ^2/NDF: 20437107.0/51

All: 203.479+/-0.020 χ^2/NDF: 40347095.1/10

- sign 203.905+/-0.029 χ^2/NDF: 19909541.8/54

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -44.991+/-15.932 χ^2/NDF: 46.7/31

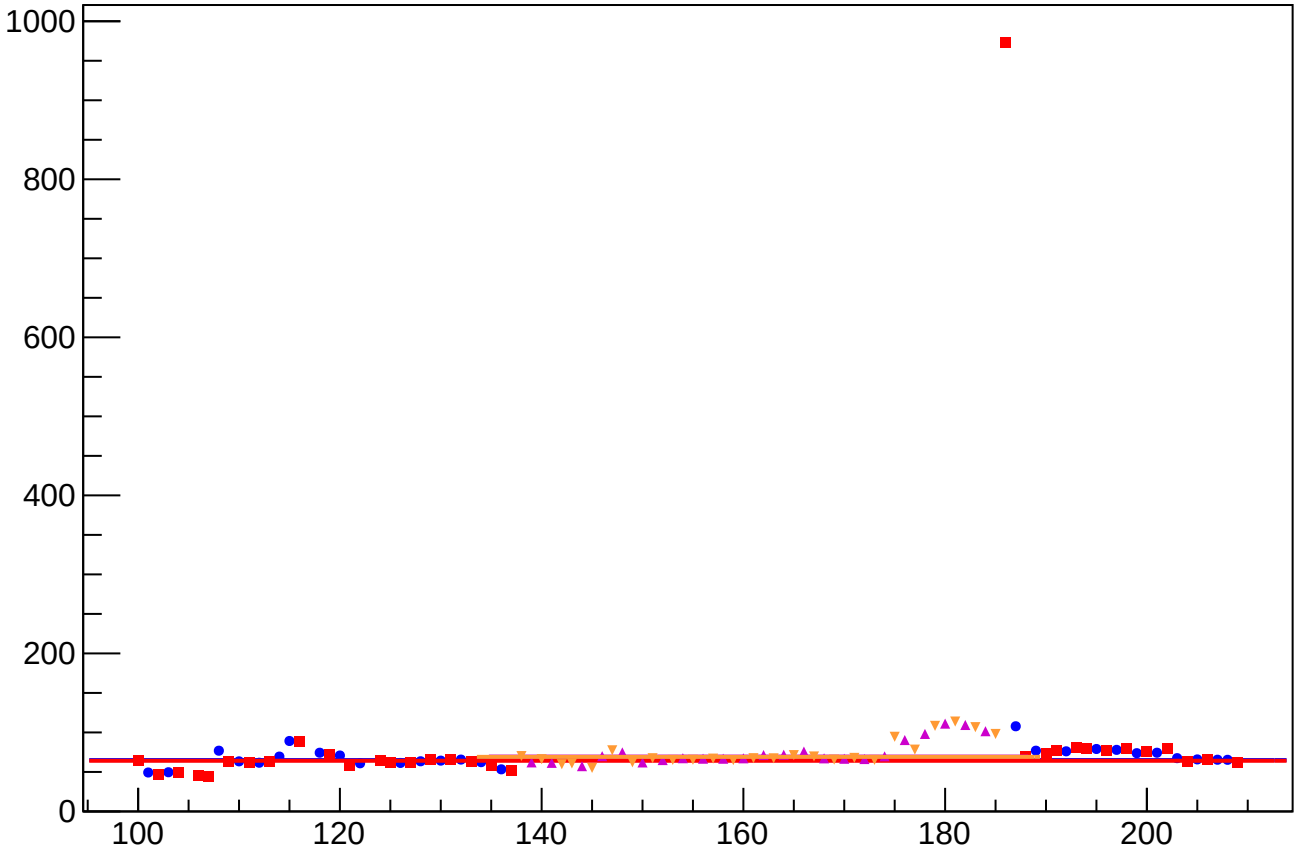
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 13.367+/-11.513 χ^2/NDF: 49.5/51

All: -12.470+/-8.123 χ^2/NDF: 129.1/106

- sign -38.079+/-11.462 χ^2/NDF: 69.6/54

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.026+/-0.012 χ^2/NDF: 681355.0/26

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.165+/-0.011 χ^2/NDF: 1635583.8/31

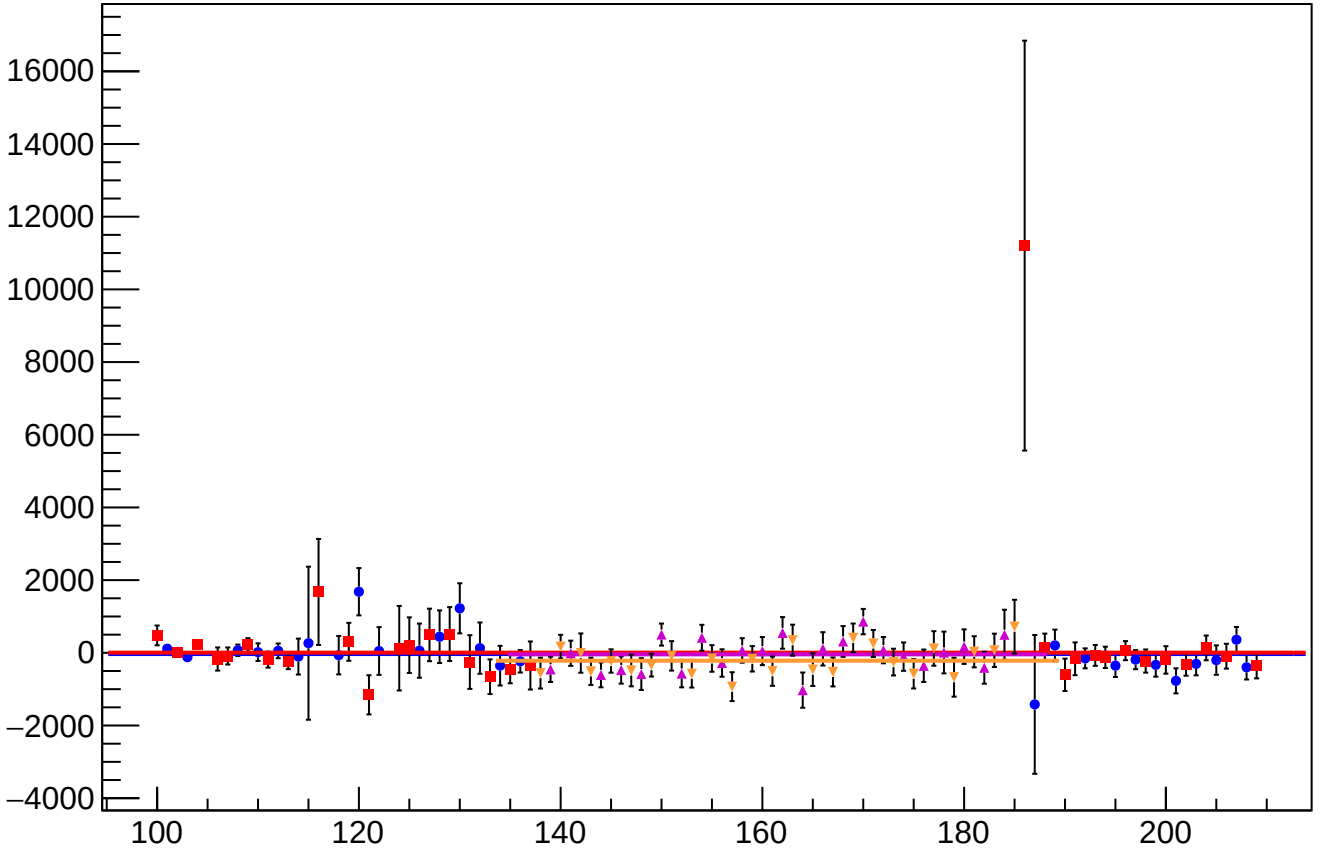
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.130+/-0.008 χ^2/NDF: 1817200.1/51

All: 66.918+/-0.006 χ^2/NDF: 4484346.1/106

- sign 66.708+/-0.008 χ^2/NDF: 2665794.3/54

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

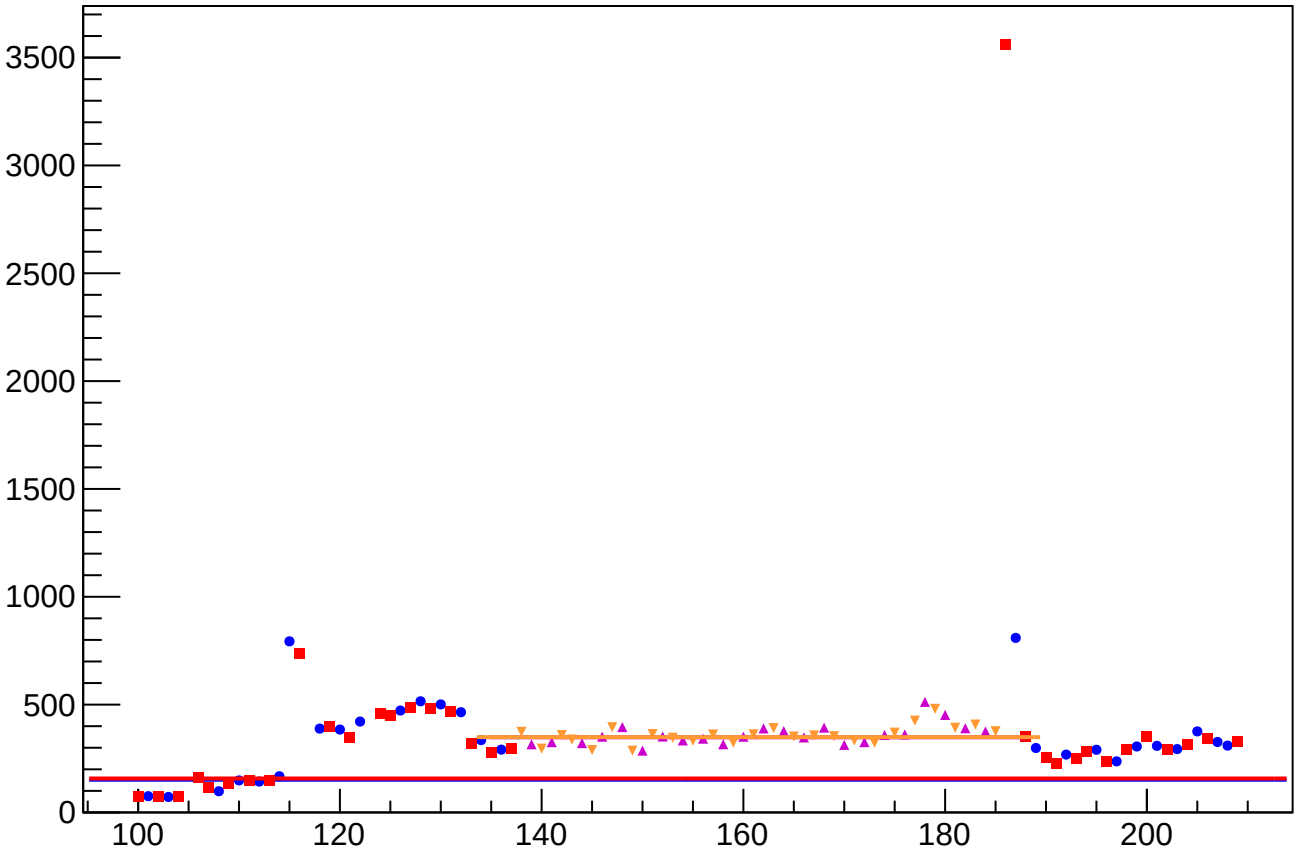
Right Out: 4.982+/-46.588 χ^2/NDF: 31.5/31

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -81.410+/-40.868 χ^2/NDF: 50.0/51

All: -43.555+/-28.780 χ^2/NDF: 113.5/106

\- sign -6.310+/-40.537 χ^2/NDF: 61.7/54



Right In: 151.675+/-0.034 χ^2/NDF: 10923890.2/26

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 157.502+/-0.033 χ^2/NDF: 11214454.5/31

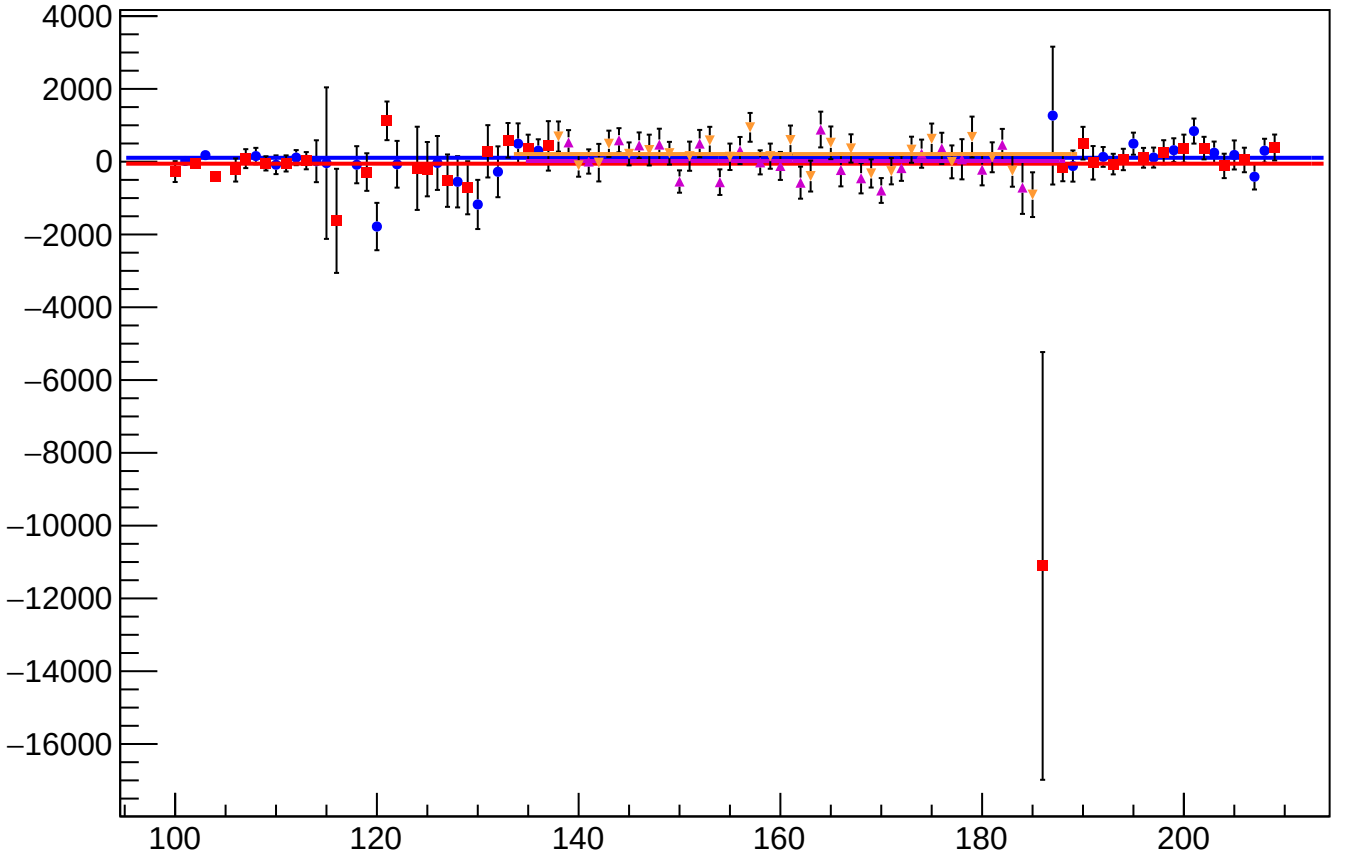
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 203.045+/-0.029 χ^2/NDF: 20437172.5/51

All: 203.478+/-0.020 χ^2/NDF: 40347272.8/10

- sign 203.905+/-0.029 χ^2/NDF: 19909654.0/54

asym_sam_15_avg_mean vs Slug



Right In: 107.253+/-51.235 χ^2/NDF: 26.3/26

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -54.954+/-49.738 χ^2/NDF: 33.8/31

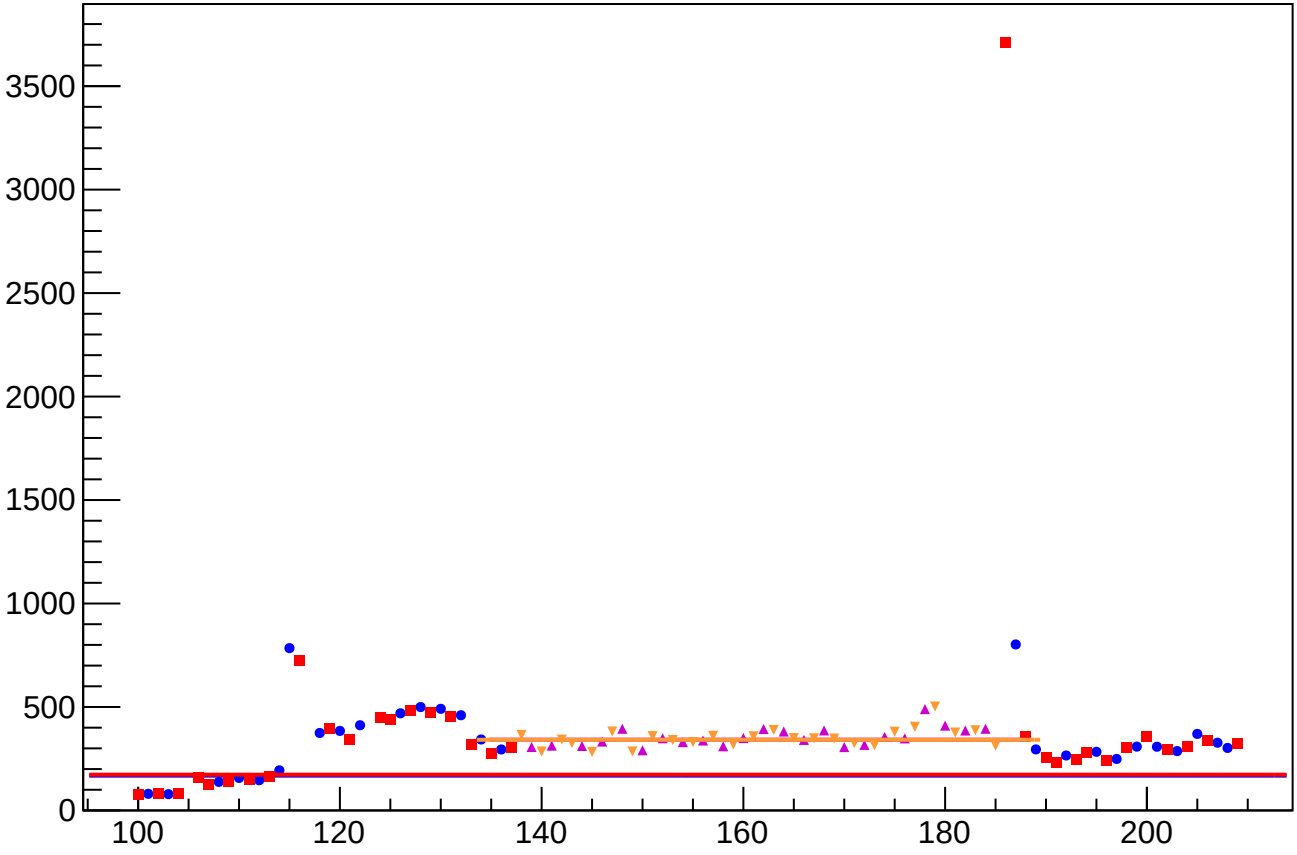
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 137.887+/-42.907 χ^2/NDF: 48.9/51

All: 50.466+/-30.138 χ^2/NDF: 123.5/106

- sign -34.667+/-42.342 χ^2/NDF: 66.4/54

asym_sam_15_avg_rms vs Slug



Right In: 168.281+/-0.036 χ^2/NDF: 9594107.8/26

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

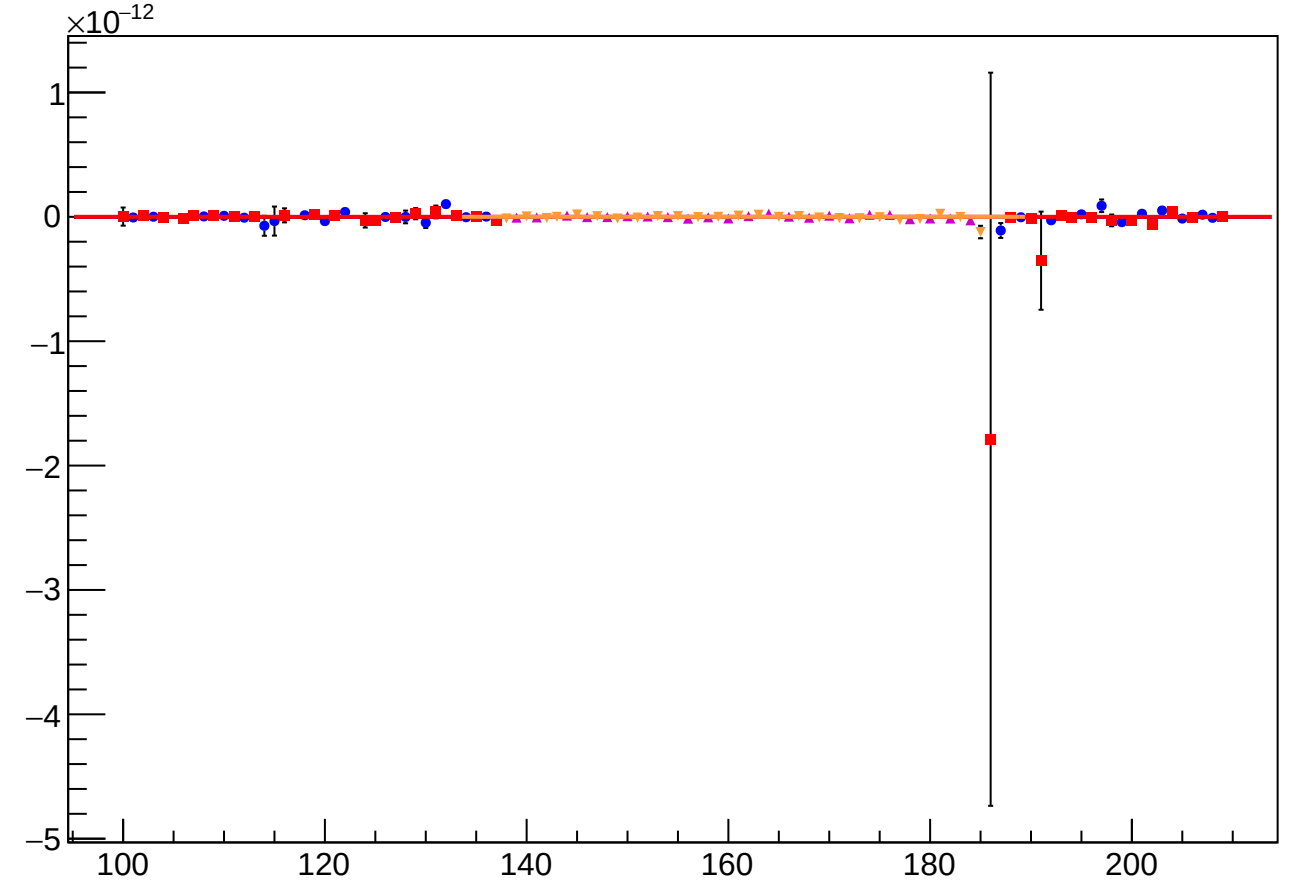
Right Out: 172.868+/-0.035 χ^2/NDF: 9843781.8/31

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 220.042+/-0.030 χ^2/NDF: 16982819.4/51

All: 219.723+/-0.021 χ^2/NDF: 33674574.4/10

- sign 219.413+/-0.030 χ^2/NDF: 16691537.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 35.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

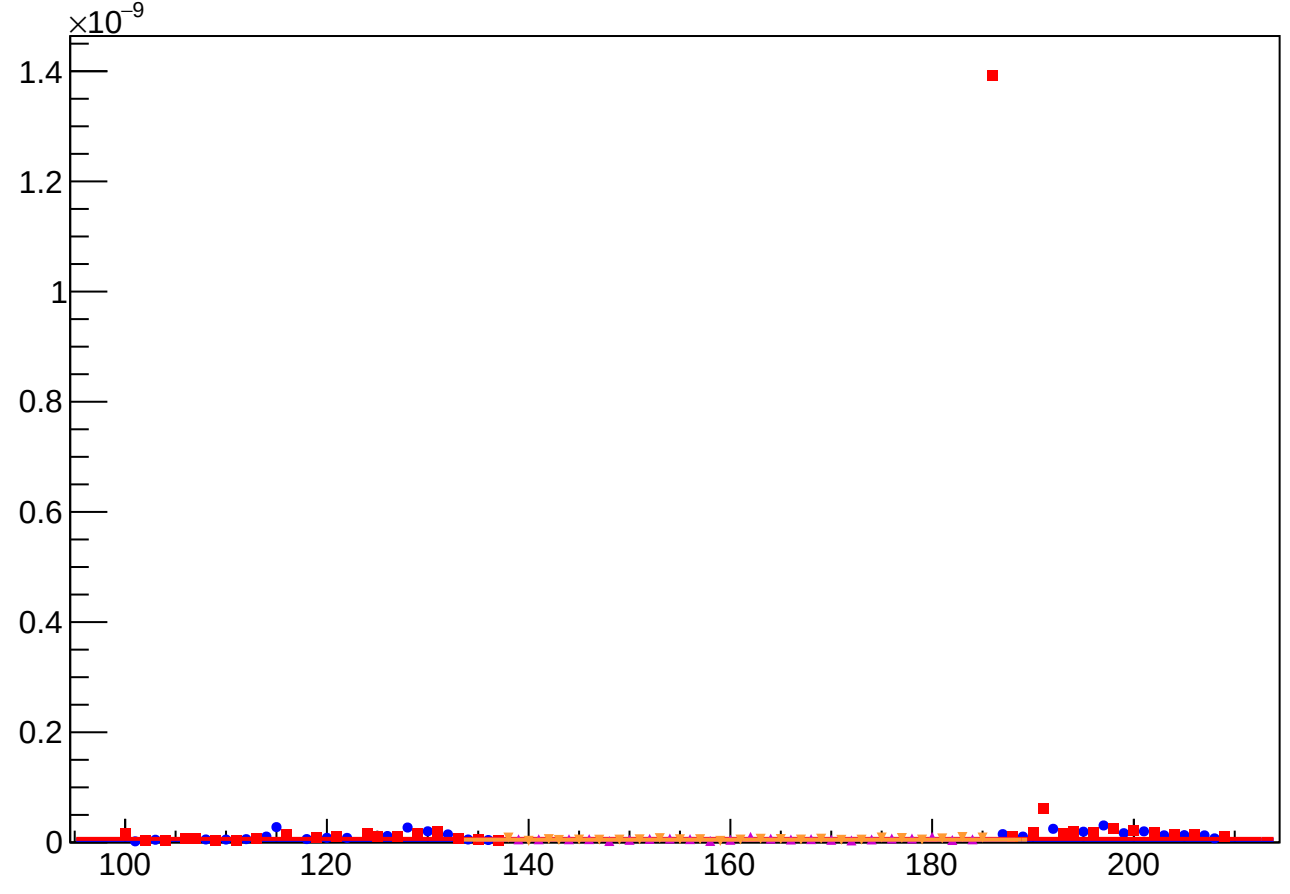
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/31

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.2/51

All: -0.000+/-0.000 χ^2/NDF: 106.2/106

- sign -0.000+/-0.000 χ^2/NDF: 42.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 6090023.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5079696.5/31

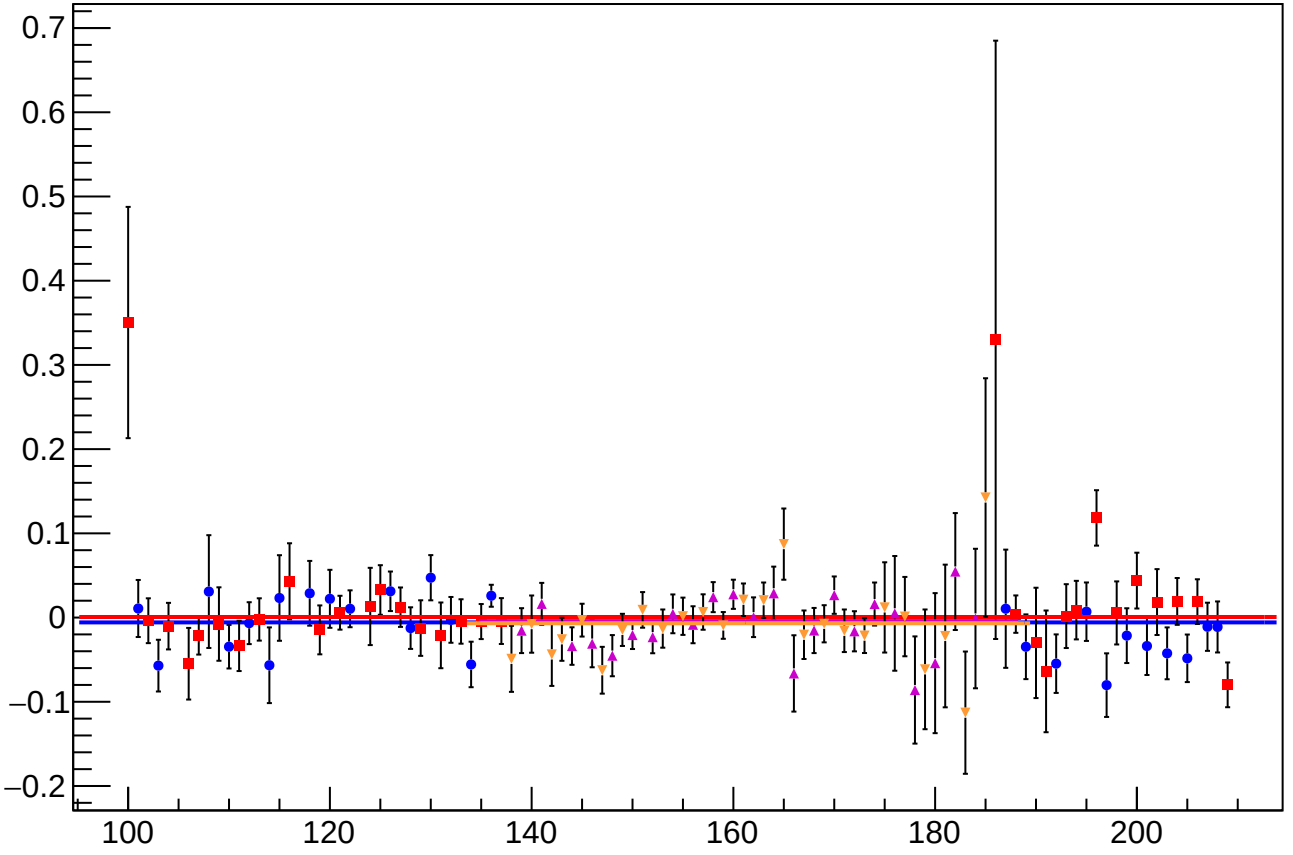
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7406889.0/51

All: 0.000+/-0.000 χ^2/NDF: 14196412.6/106

- sign 0.000+/-0.000 χ^2/NDF: 6657021.7/54

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.005 χ^2/NDF: 40.8/31

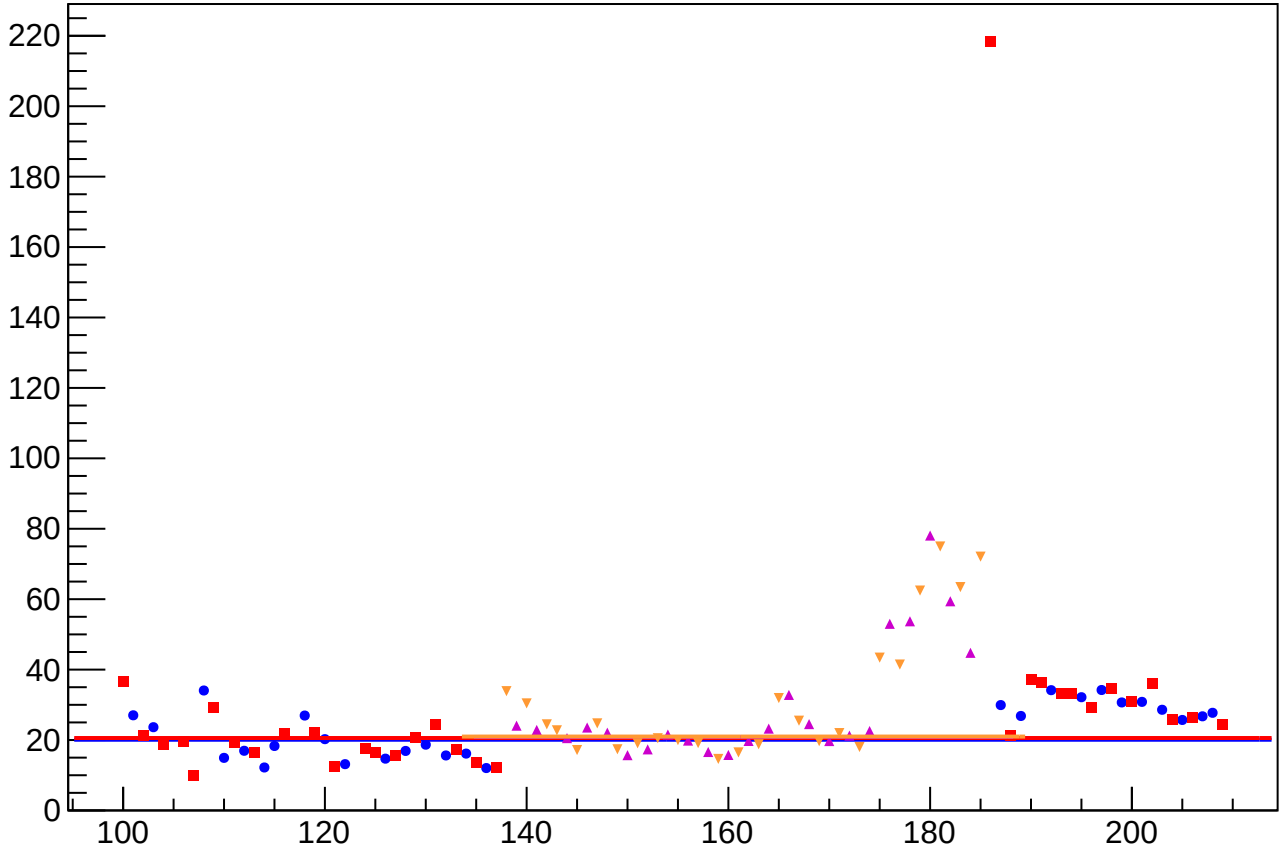
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.004+/-0.003 χ^2/NDF: 122.1/106

- sign -0.002+/-0.004 χ^2/NDF: 64.4/54

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.572+/-0.004 χ^2/NDF: 3987170.3/31

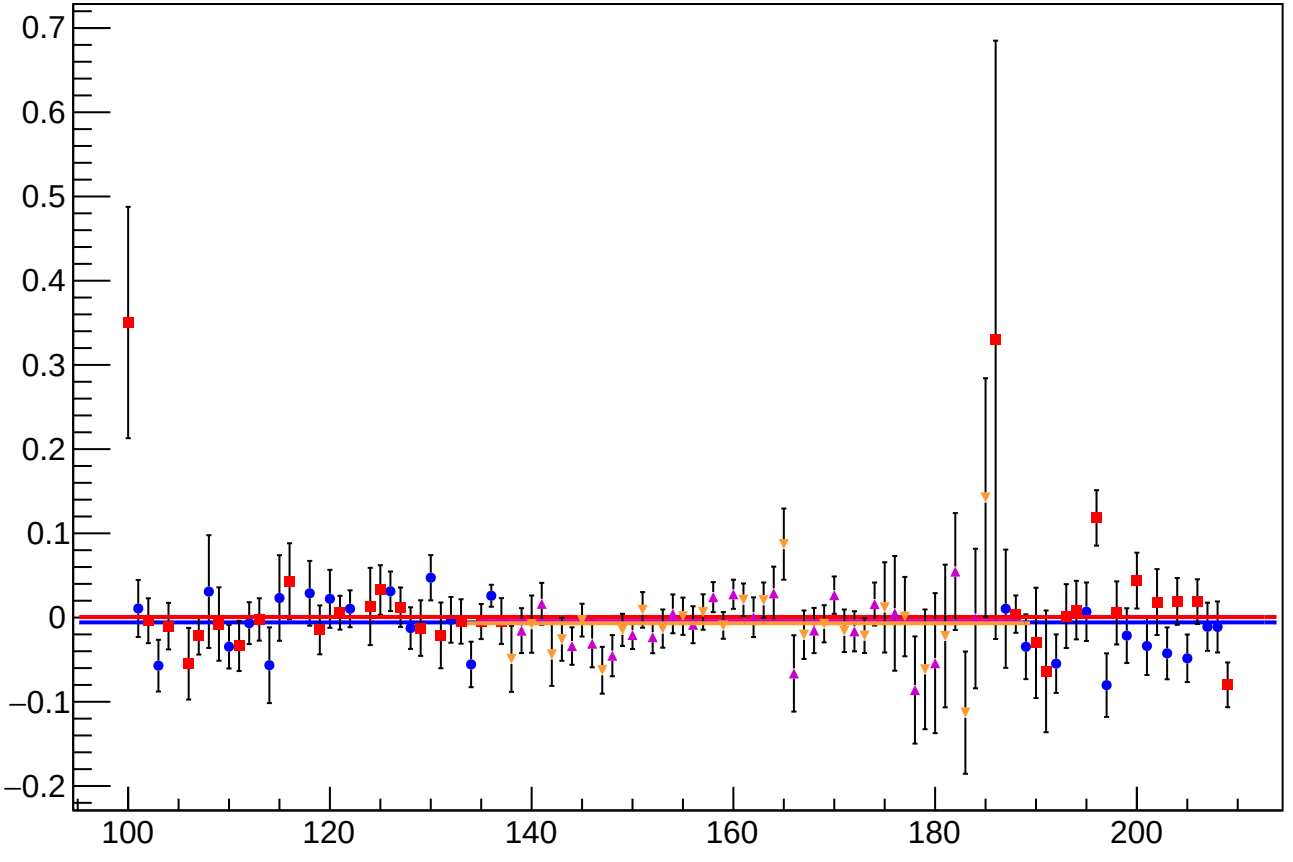
Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959328.0/51

All: 20.641+/-0.002 χ^2/NDF: 15486307.0/106

- sign 20.724+/-0.003 χ^2/NDF: 7525088.5/54

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.005 χ^2/NDF: 40.8/31

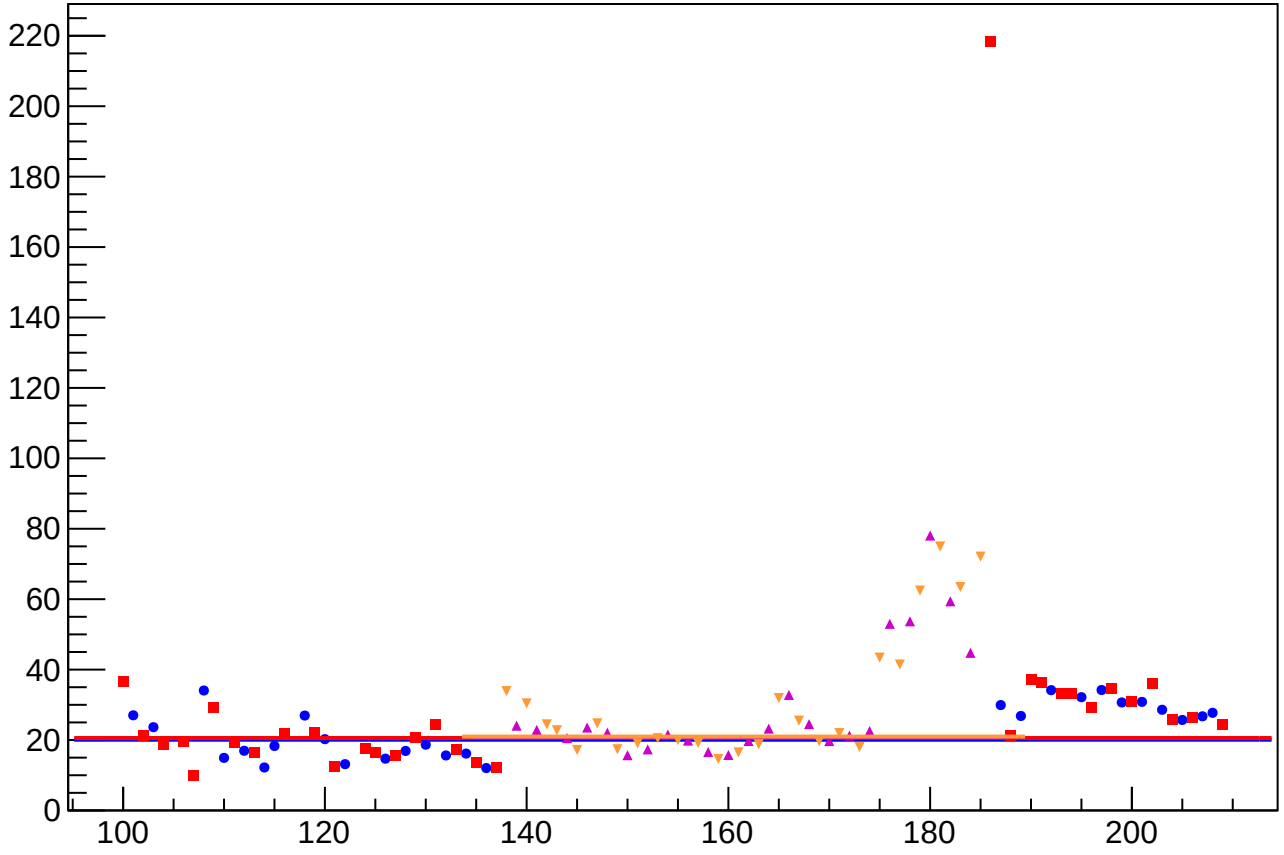
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.004+/-0.003 χ^2/NDF: 122.1/106

- sign -0.002+/-0.004 χ^2/NDF: 64.4/54

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

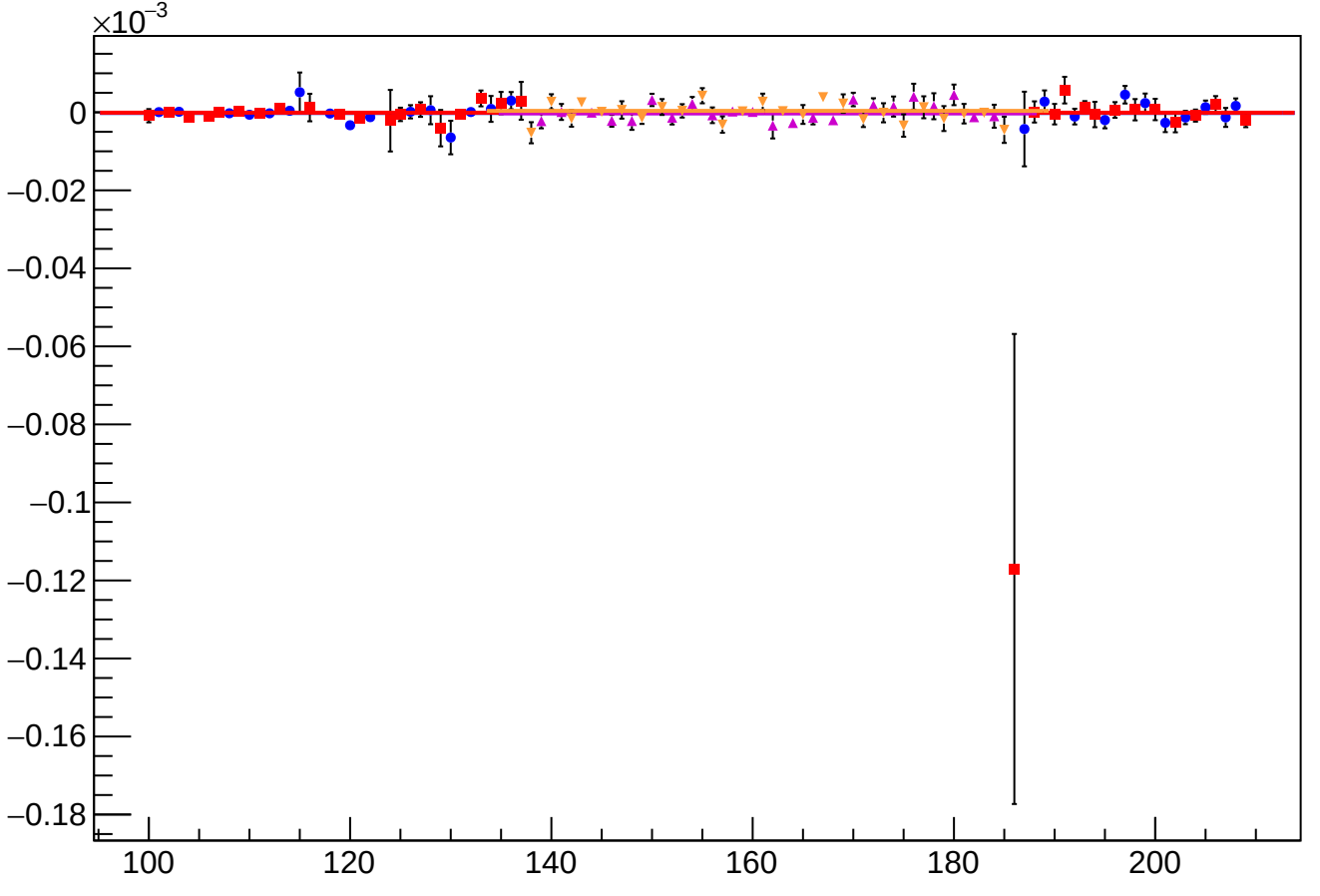
Right Out: 20.572+/-0.004 χ^2/NDF: 3987170.3/31

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959328.0/51

All: 20.641+/-0.002 χ^2/NDF: 15486307.0/106

- sign 20.724+/-0.003 χ^2/NDF: 7525088.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

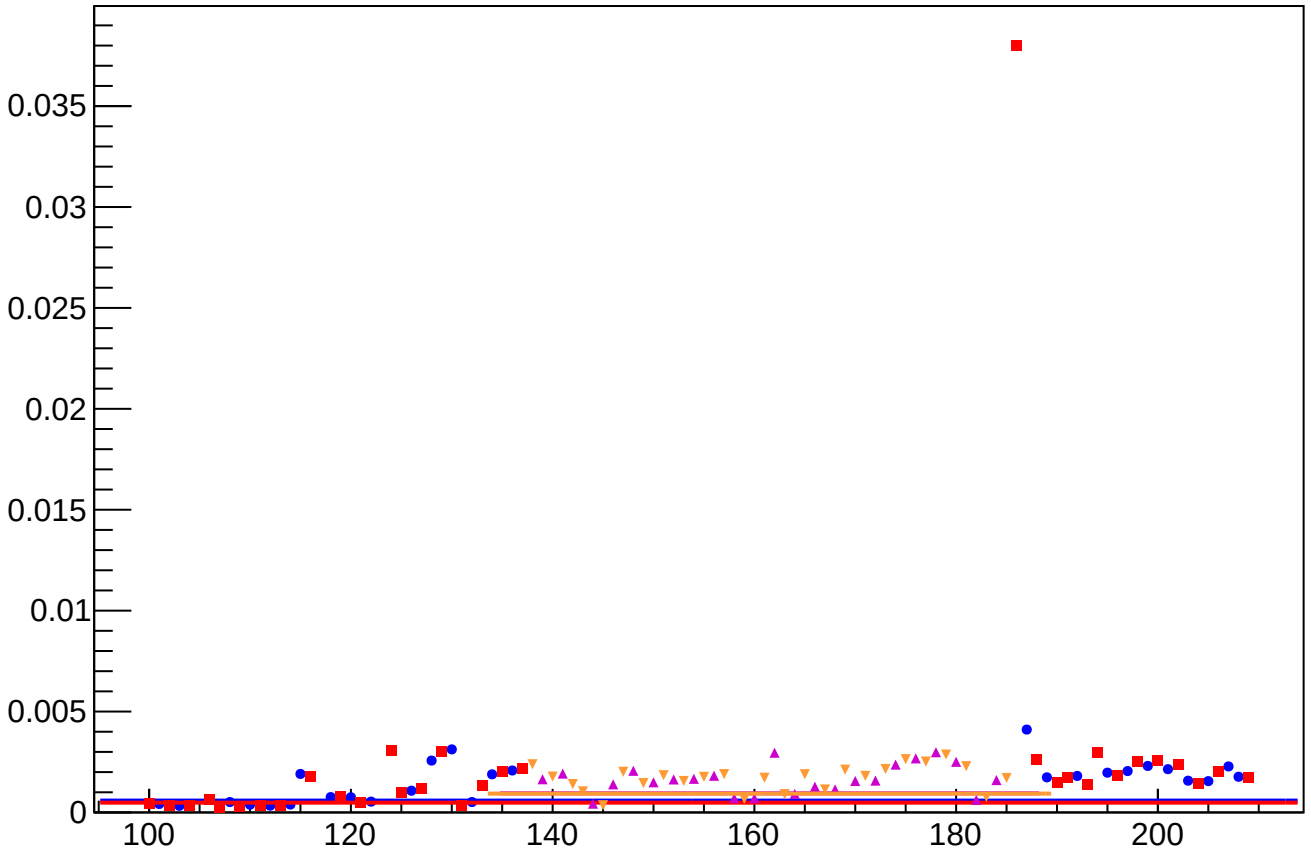
Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/31

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/51

All: -0.000+/-0.000 χ^2/NDF: 126.1/106

- sign -0.000+/-0.000 χ^2/NDF: 63.2/54



Right In: 0.001+/-0.000 χ^2/NDF: 12610884.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16080718.8/31

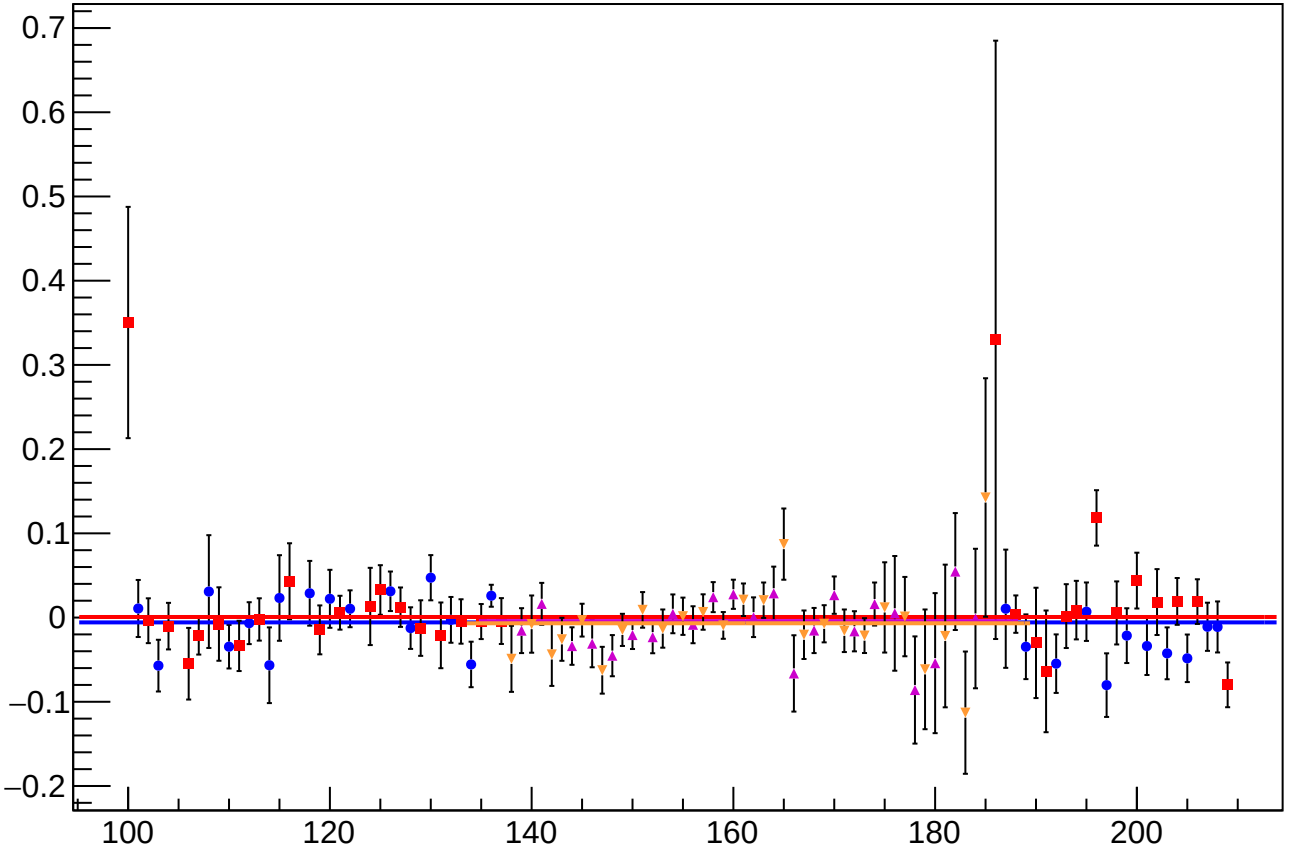
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 26824785.4/51

All: 0.001+/-0.000 χ^2/NDF: 57192794.6/106

- sign 0.001+/-0.000 χ^2/NDF: 29958235.7/54

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.001+/-0.005 χ^2/NDF: 40.8/31

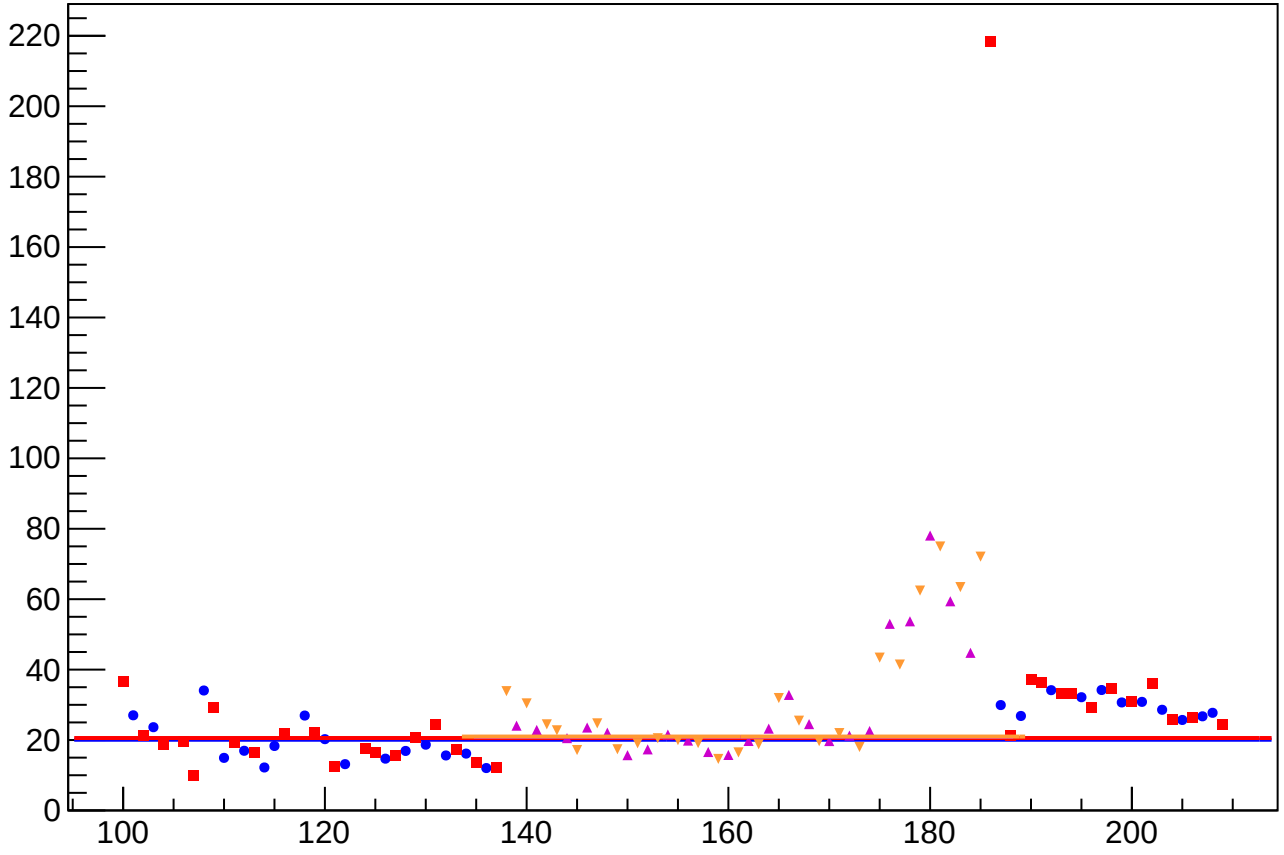
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.004+/-0.003 χ^2/NDF: 122.1/106

- sign -0.002+/-0.004 χ^2/NDF: 64.4/54

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

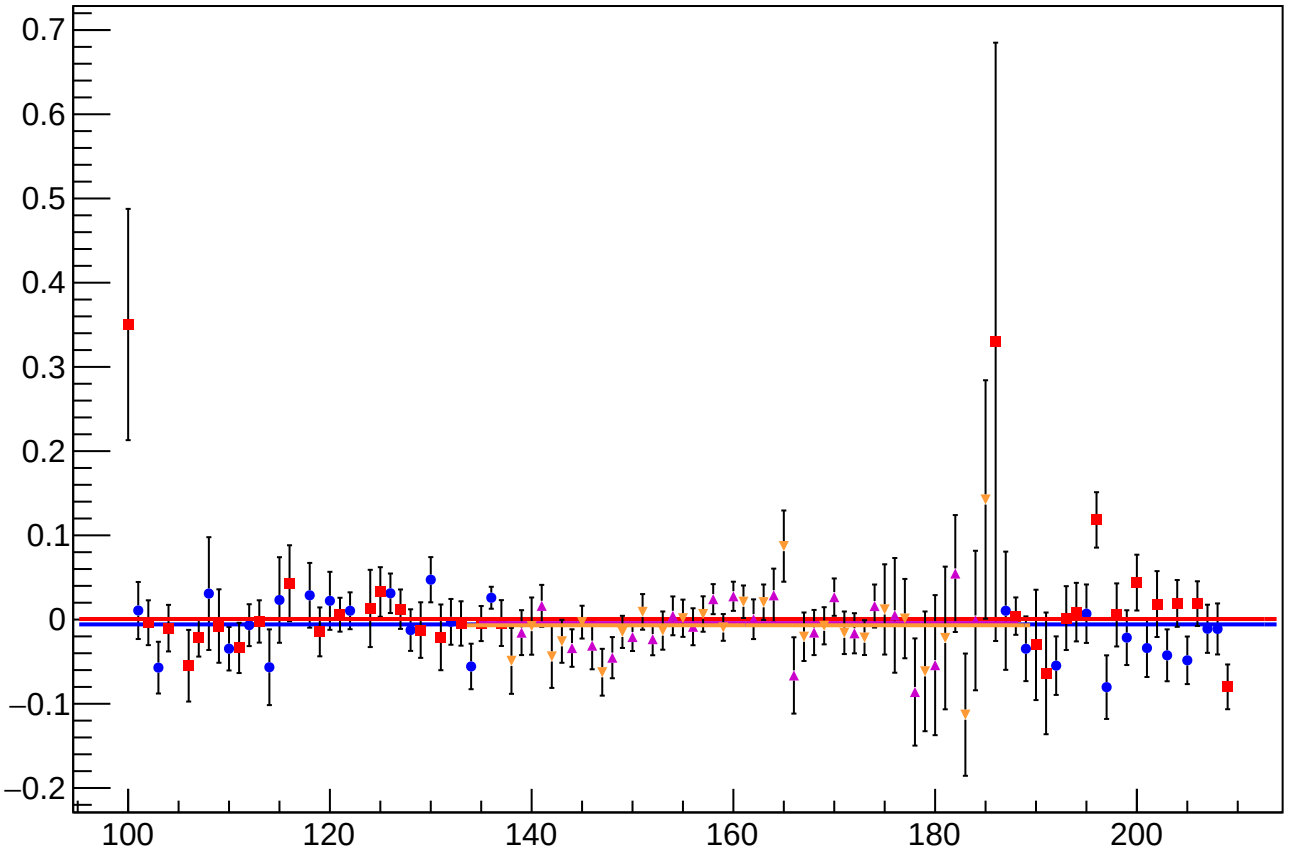
Right Out: 20.572+/-0.004 χ^2/NDF: 3987192.9/31

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959324.5/51

All: 20.641+/-0.002 χ^2/NDF: 15486377.5/106

- sign 20.723+/-0.003 χ^2/NDF: 7525163.9/54



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

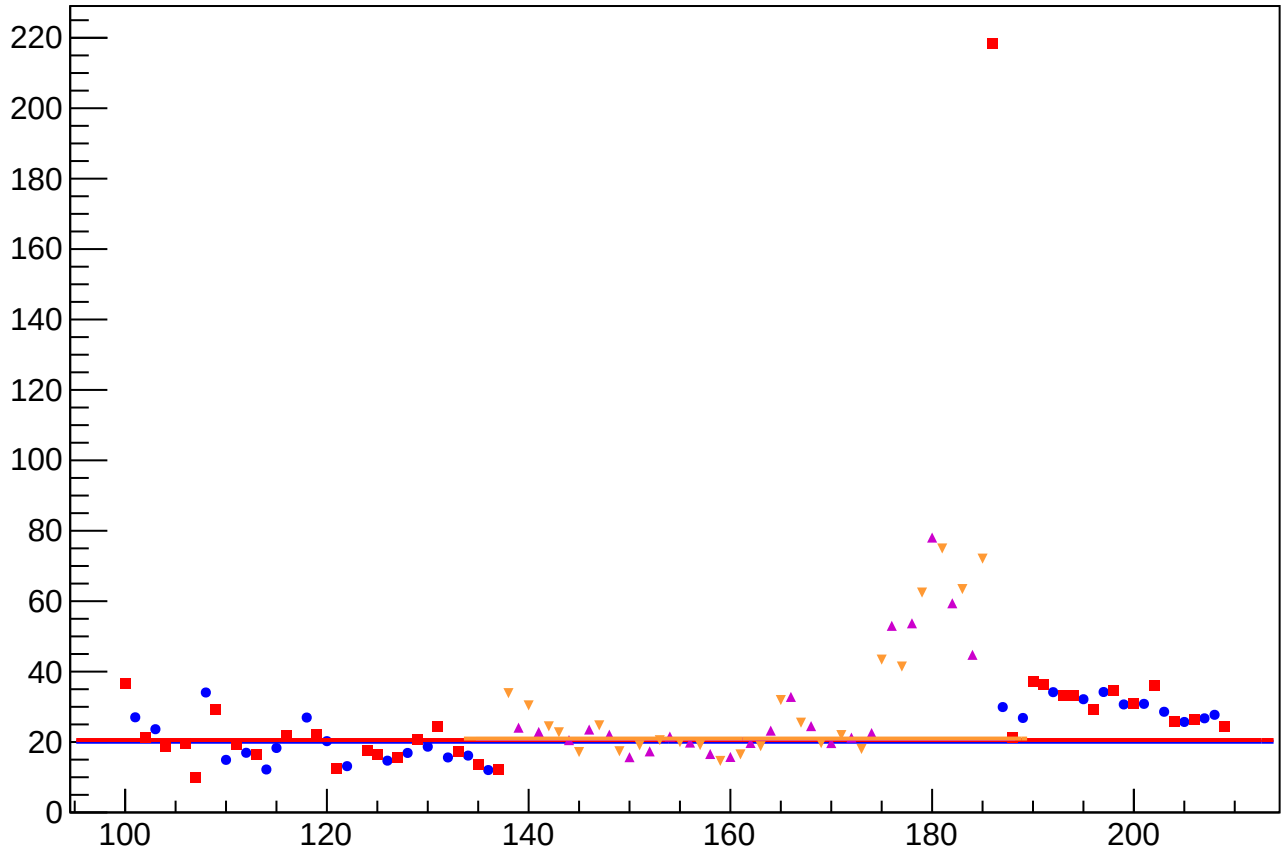
Right Out: 0.001+/-0.005 χ^2/NDF: 40.8/31

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/51

All: -0.004+/-0.003 χ^2/NDF: 122.1/106

- sign -0.002+/-0.004 χ^2/NDF: 64.4/54



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

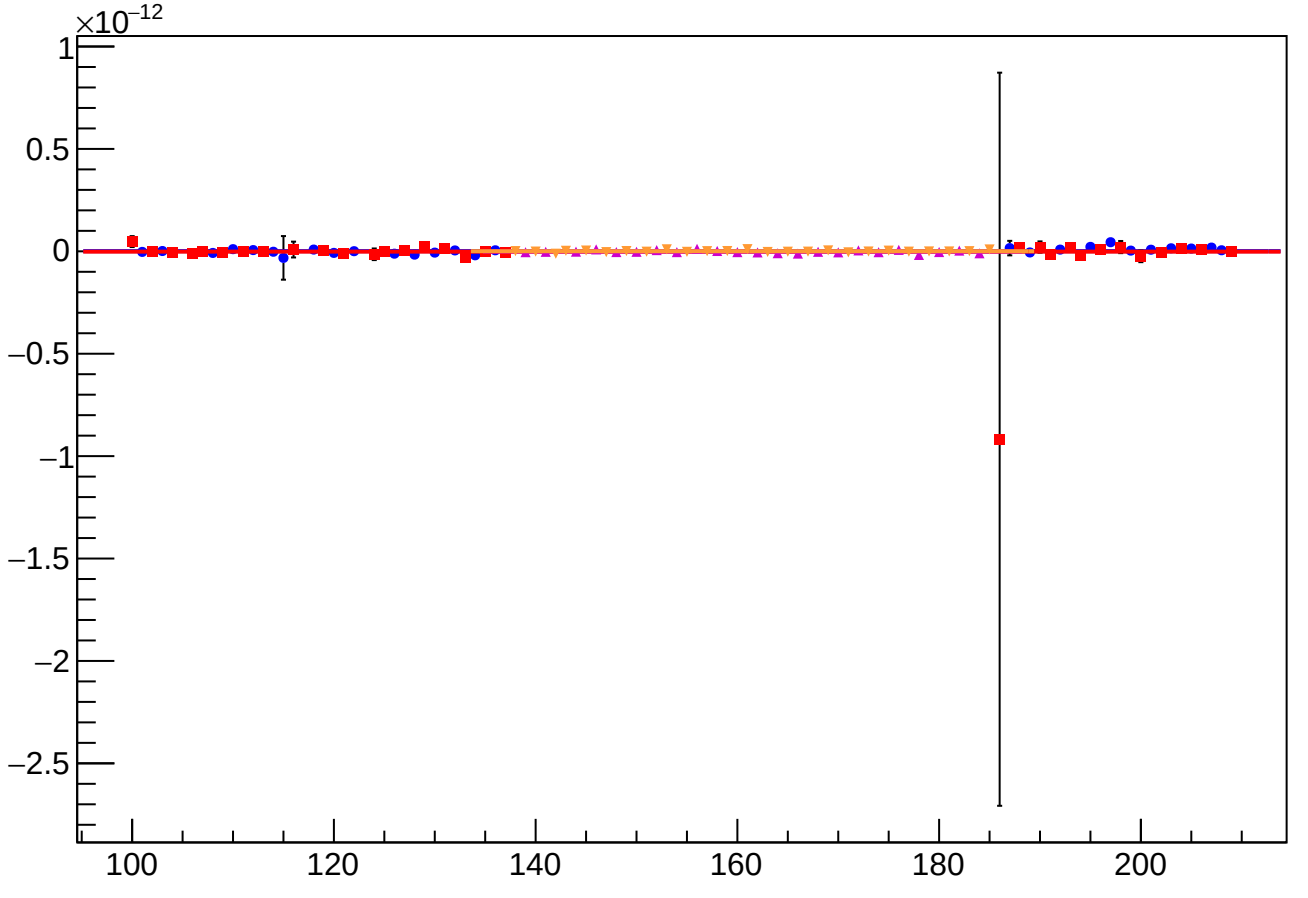
Right Out: 20.572+/-0.004 χ^2/NDF: 3987192.9/31

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.559+/-0.003 χ^2/NDF: 7959324.5/51

All: 20.641+/-0.002 χ^2/NDF: 15486377.5/106

- sign 20.723+/-0.003 χ^2/NDF: 7525163.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

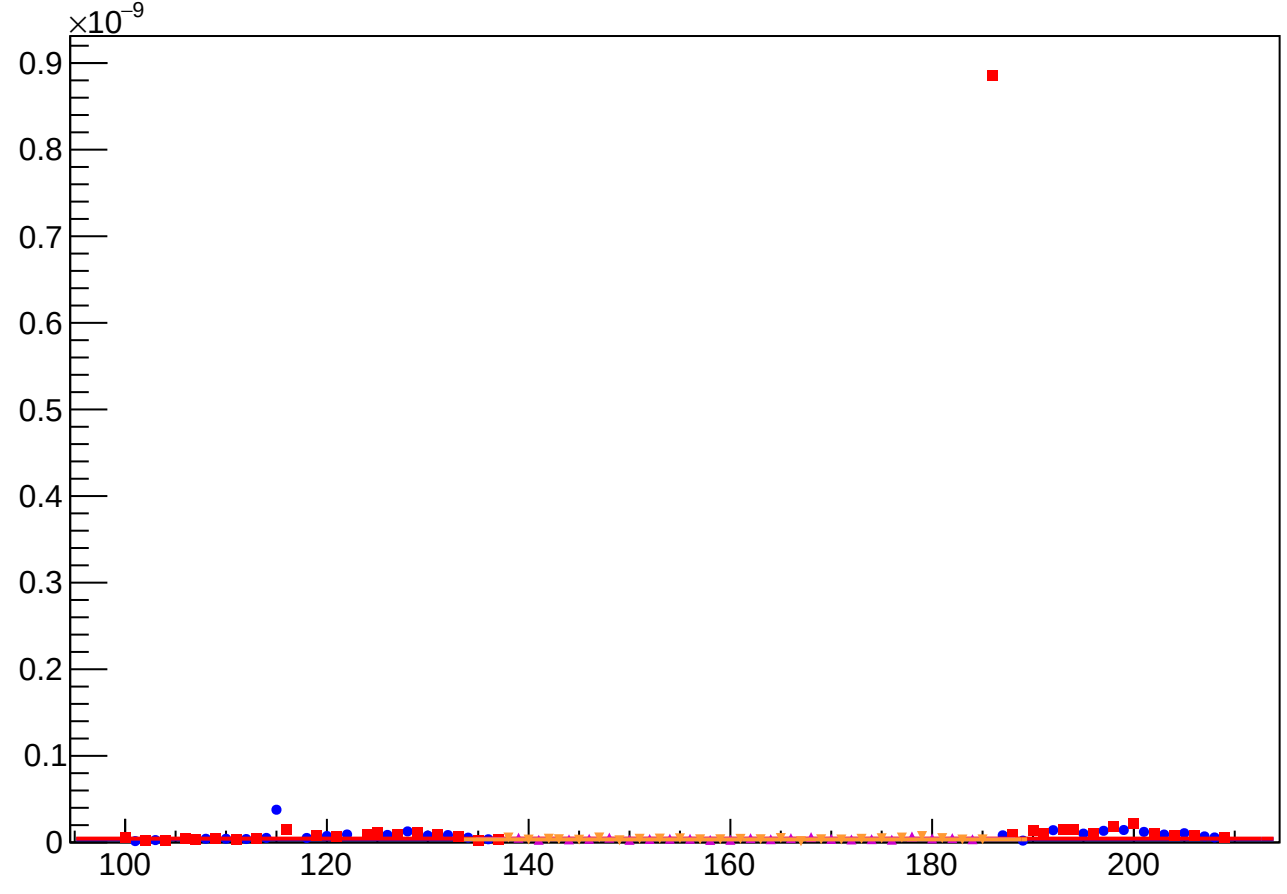
Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/31

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/51

All: -0.000+/-0.000 χ^2/NDF: 94.2/106

- sign -0.000+/-0.000 χ^2/NDF: 52.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 7054744.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7546392.1/31

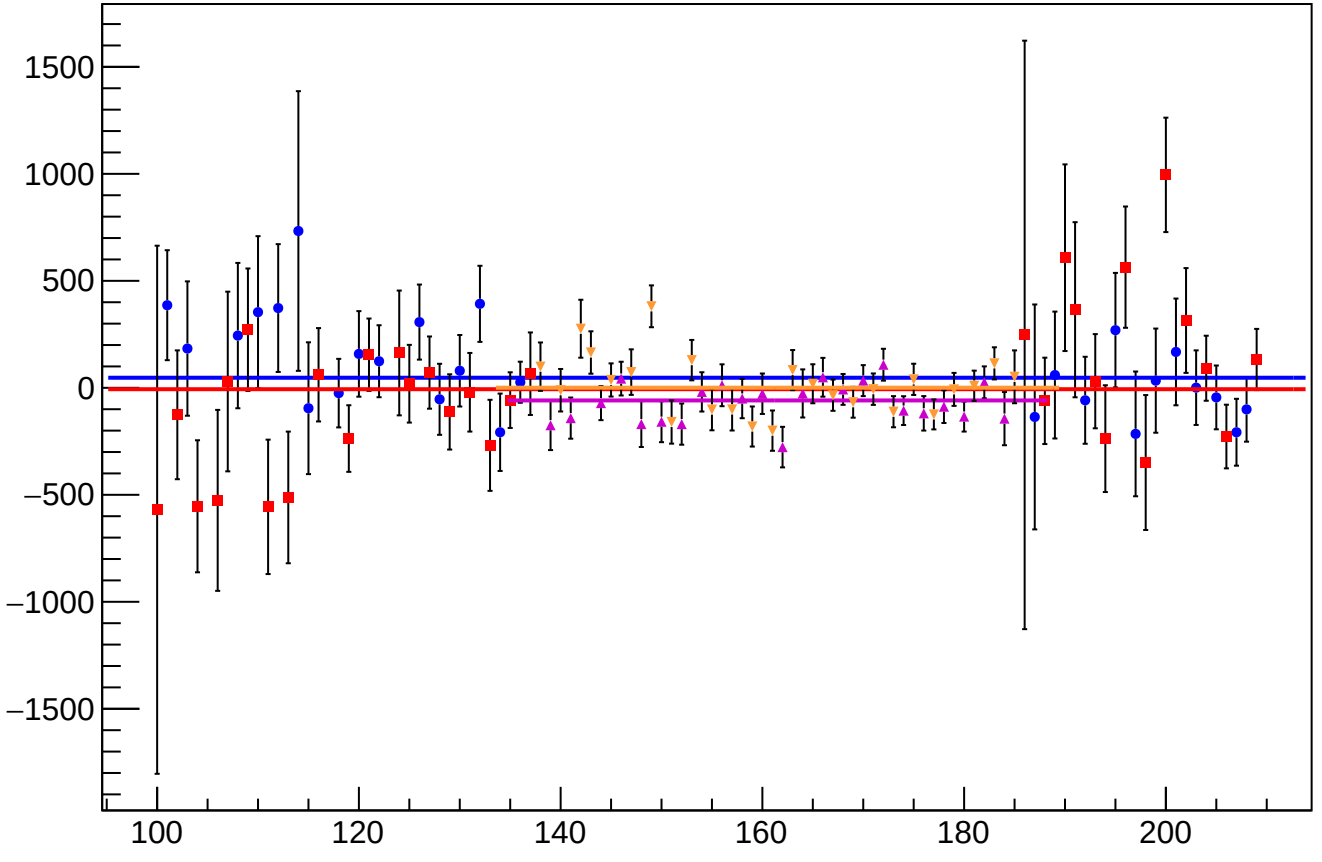
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9597418.4/51

All: 0.000+/-0.000 χ^2/NDF: 18765506.2/106

- sign 0.000+/-0.000 χ^2/NDF: 8876773.6/54

reg_asym_sam_26_avg_mean vs Slug



Right In: 47.151+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -6.410+/-38.502 χ^2/NDF: 46.1/31

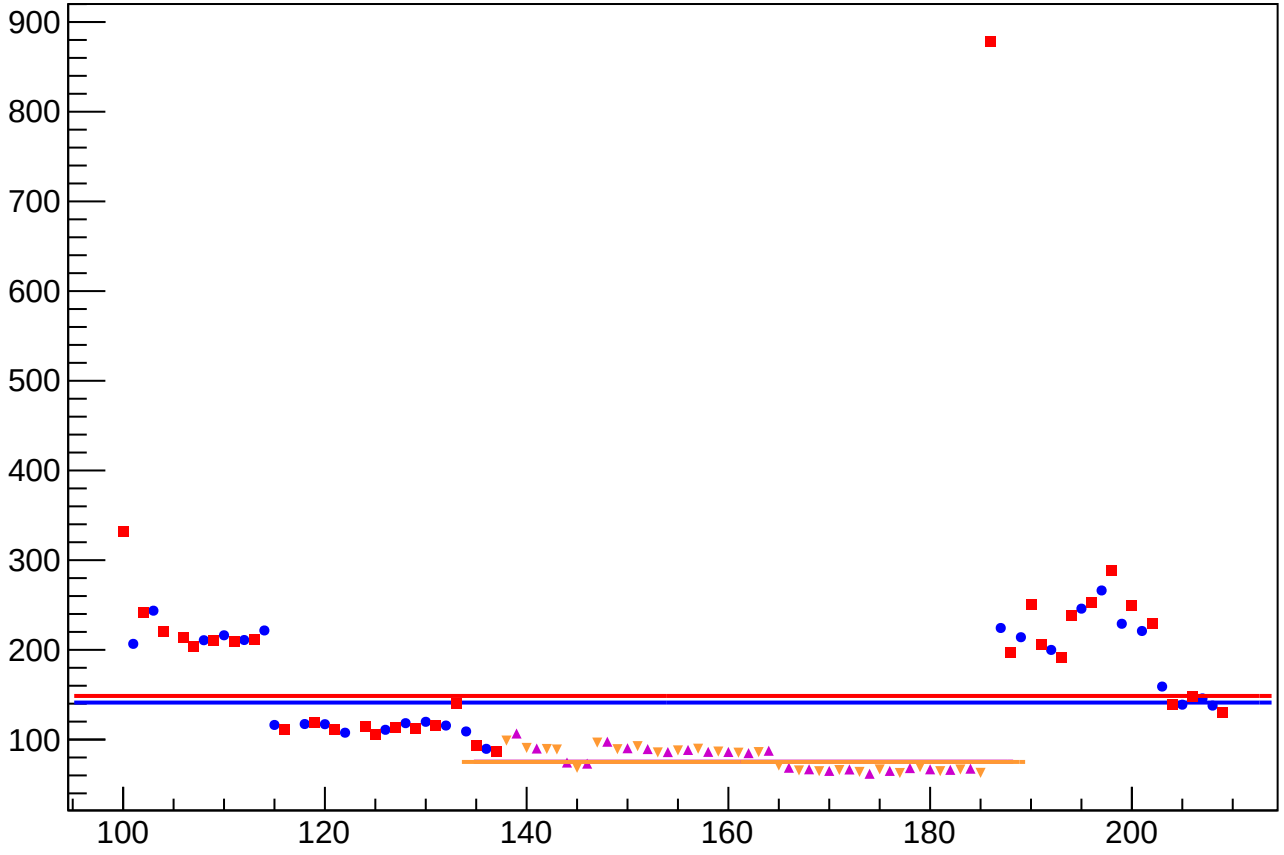
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 8.691+/-15.742 χ^2/NDF: 70.7/51

All: -19.588+/-11.295 χ^2/NDF: 150.8/106

- sign -49.595+/-16.216 χ^2/NDF: 73.4/54

reg_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF: 3137293.2/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

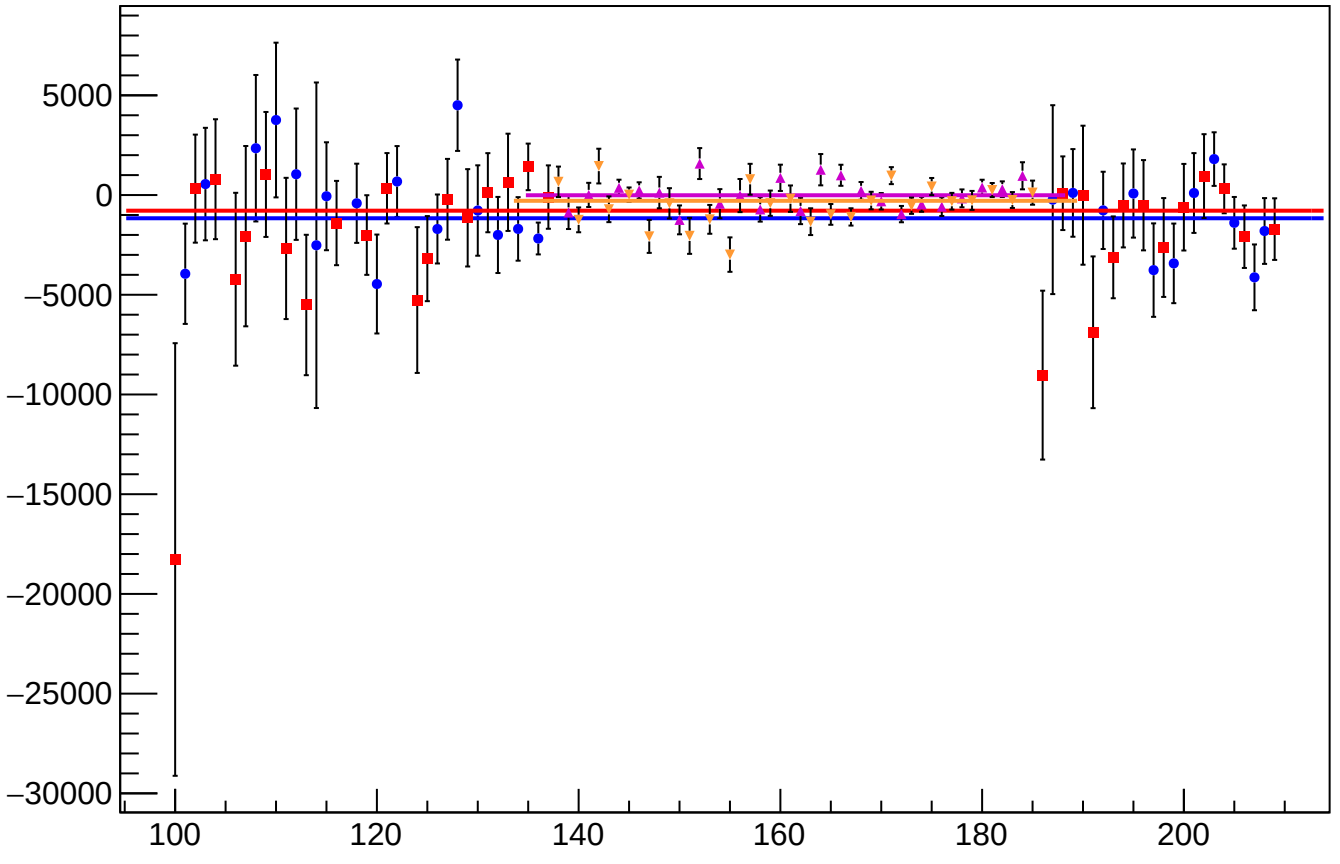
Right Out: 148.611+/-0.027 χ^2/NDF: 4224281.6/31

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF: 9143569.9/51

All: 87.421+/-0.008 χ^2/NDF: 20174340.6/106

- sign 88.347+/-0.011 χ^2/NDF: 11018098.7/54



Right In: -1164.136+/-361.567 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -784.122+/-380.010 χ^2/NDF: 25.2/31

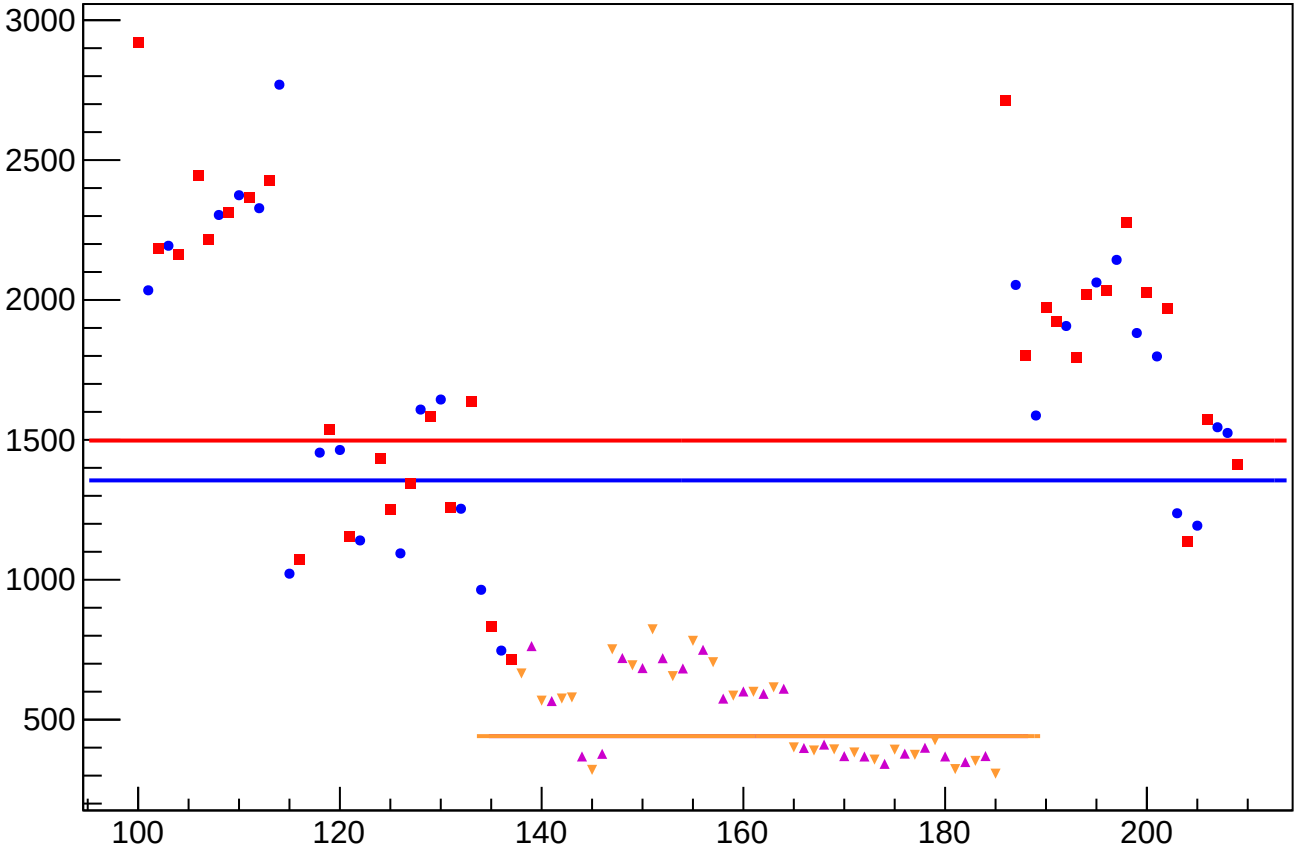
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -356.491+/-101.039 χ^2/NDF: 86.5/51

All: -215.903+/-72.331 χ^2/NDF: 153.0/106

- sign -68.122+/-103.592 χ^2/NDF: 62.5/54

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF: 3278705.6/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1497.579+/-0.269 χ^2/NDF: 3327381.5/31

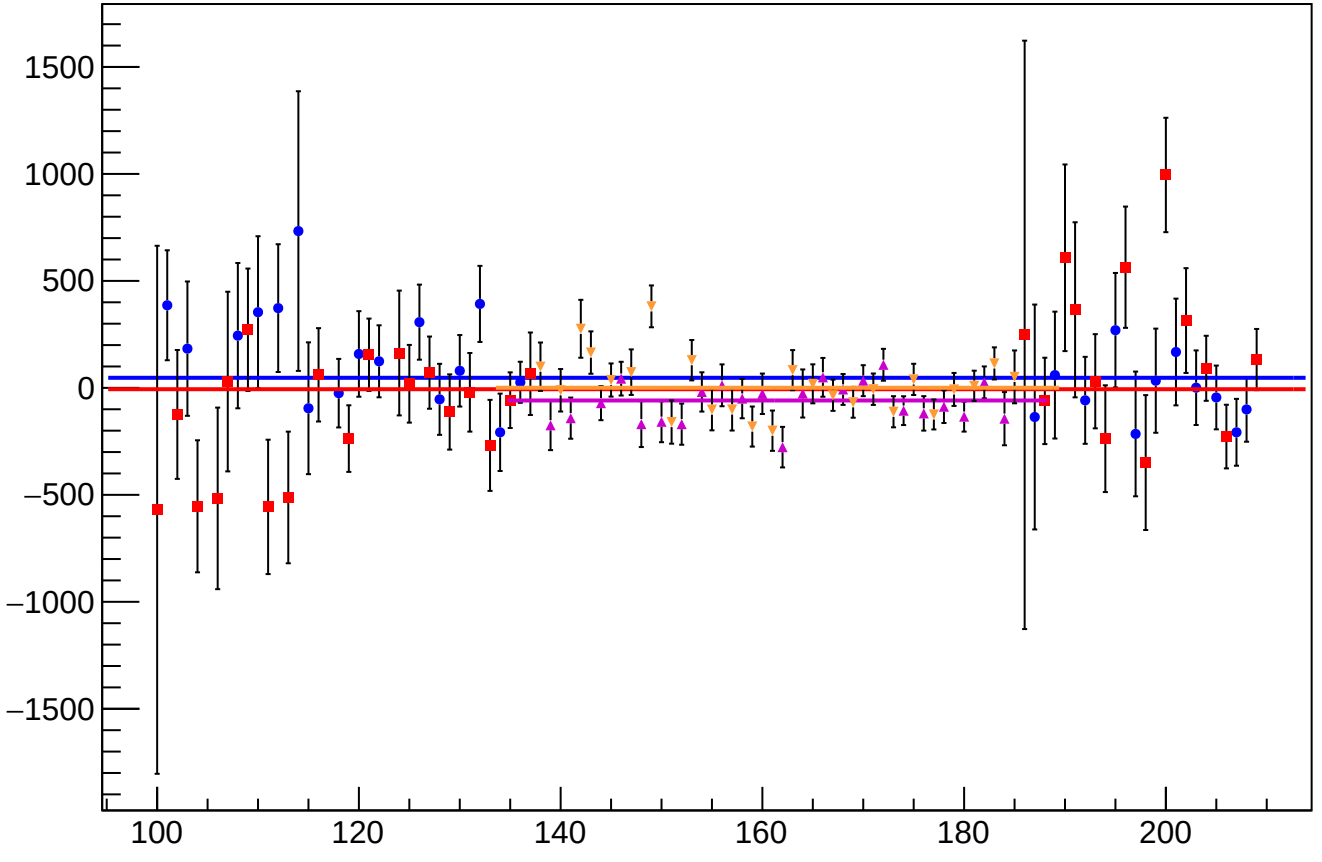
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 512.504+/-0.071 χ^2/NDF: 18295954.1/51

All: 516.011+/-0.051 χ^2/NDF: 38617324.3/10

- sign 519.698+/-0.073 χ^2/NDF: 20316427.1/54

cor_asym_sam_26_avg_mean vs Slug



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -6.269+/-38.504 χ^2/NDF: 46.0/31

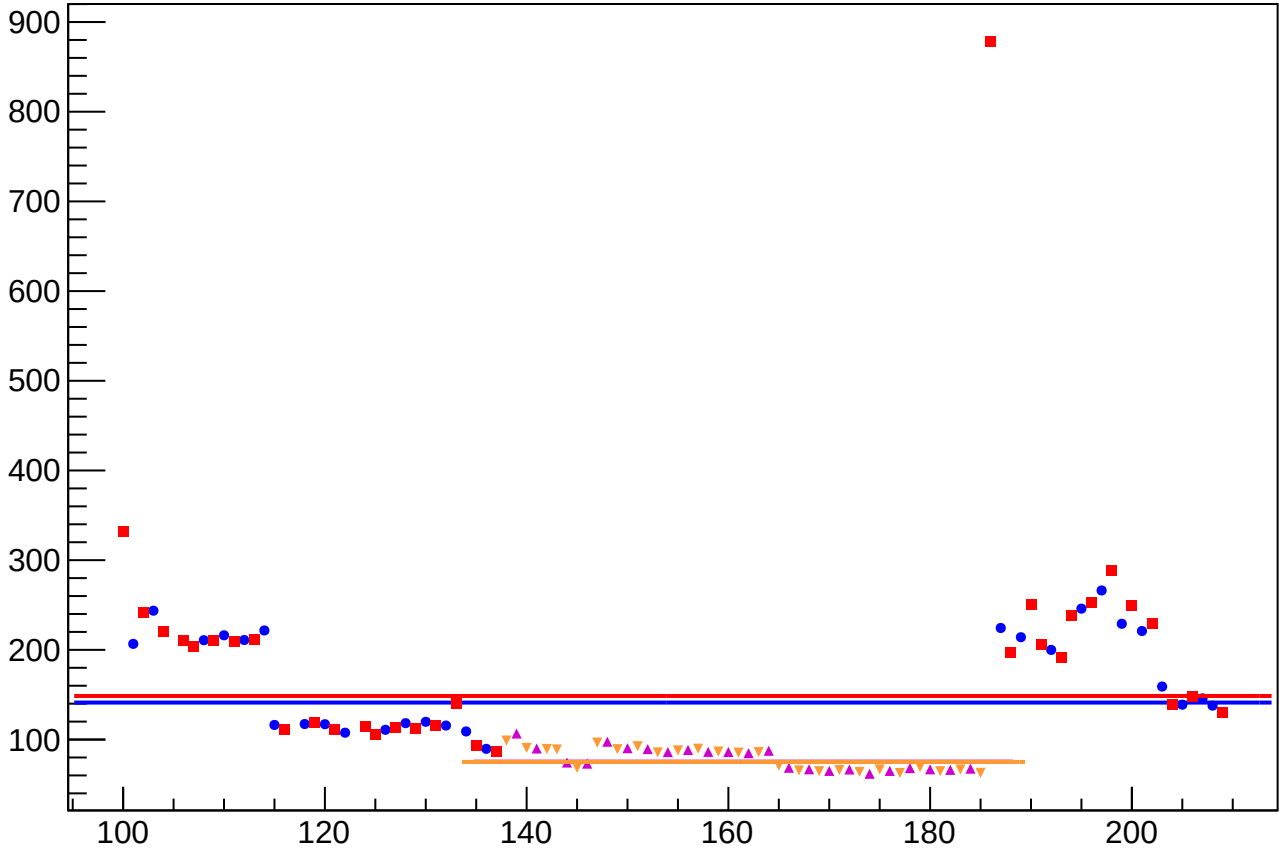
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 8.688+/-15.742 χ^2/NDF: 70.7/51

All: -19.576+/-11.295 χ^2/NDF: 150.7/106

- sign -49.568+/-16.216 χ^2/NDF: 73.3/54

cor_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

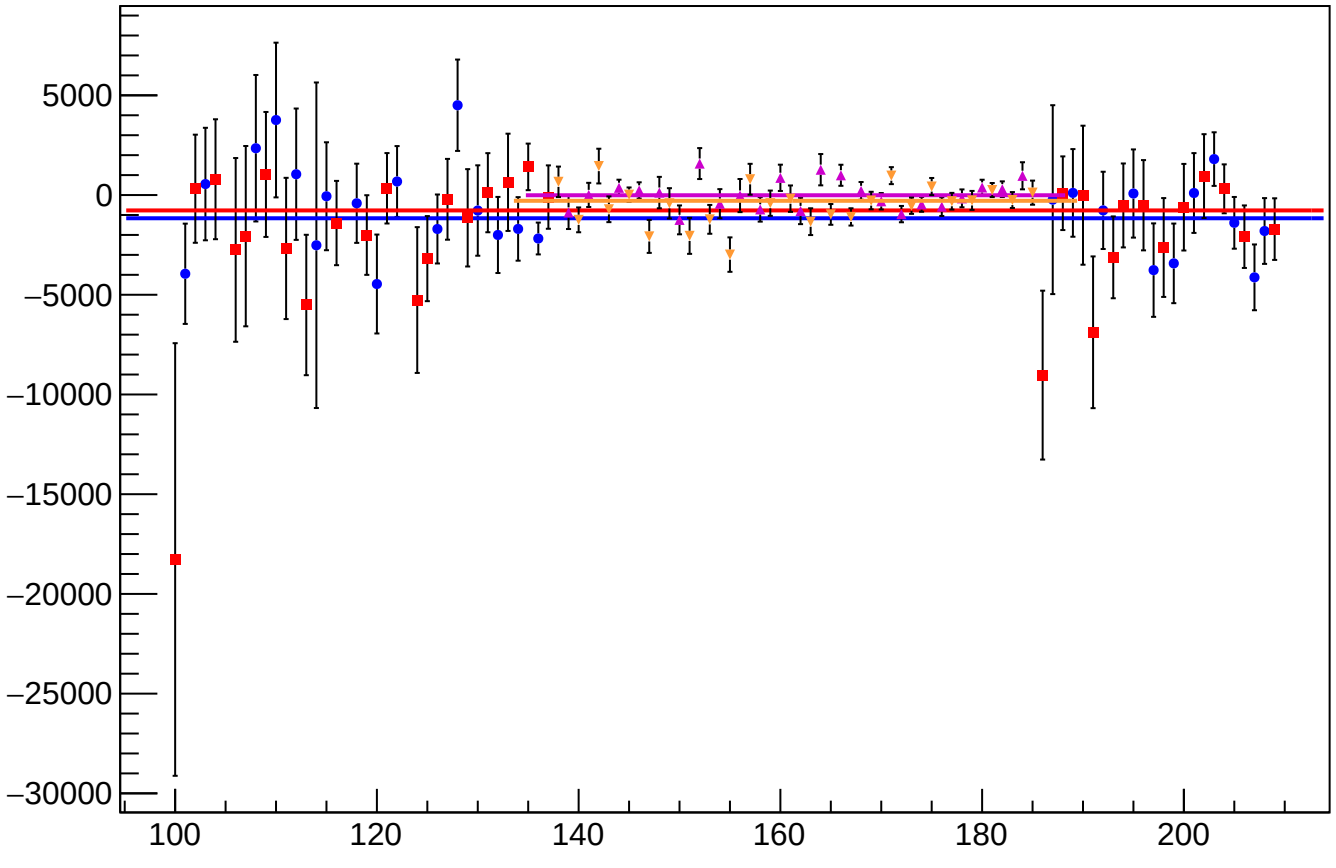
Right Out: 148.582+/-0.027 χ^2/NDF: 4219901.7/31

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF: 9143571.9/51

All: 87.418+/-0.008 χ^2/NDF: 20164821.2/106

- sign 88.341+/-0.011 χ^2/NDF: 11008660.8/54



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -771.200+/-380.183 χ^2/NDF: 24.8/31

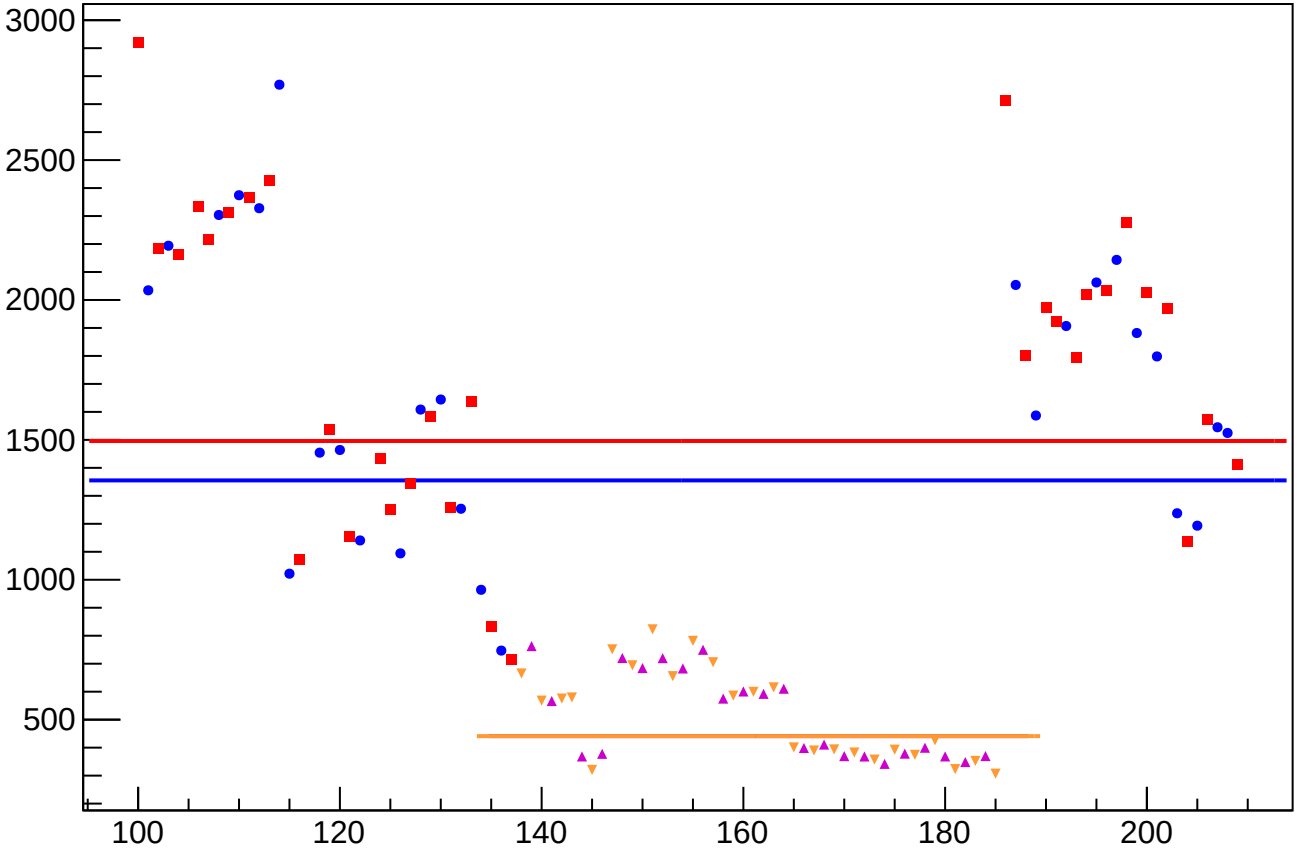
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

\+ sign -356.490+/-101.039 χ^2/NDF: 86.5/51

All: -215.417+/-72.332 χ^2/NDF: 152.5/106

\- sign -67.115+/-103.595 χ^2/NDF: 61.9/54

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.009+/-0.269 χ^2/NDF: 3298342.6/31

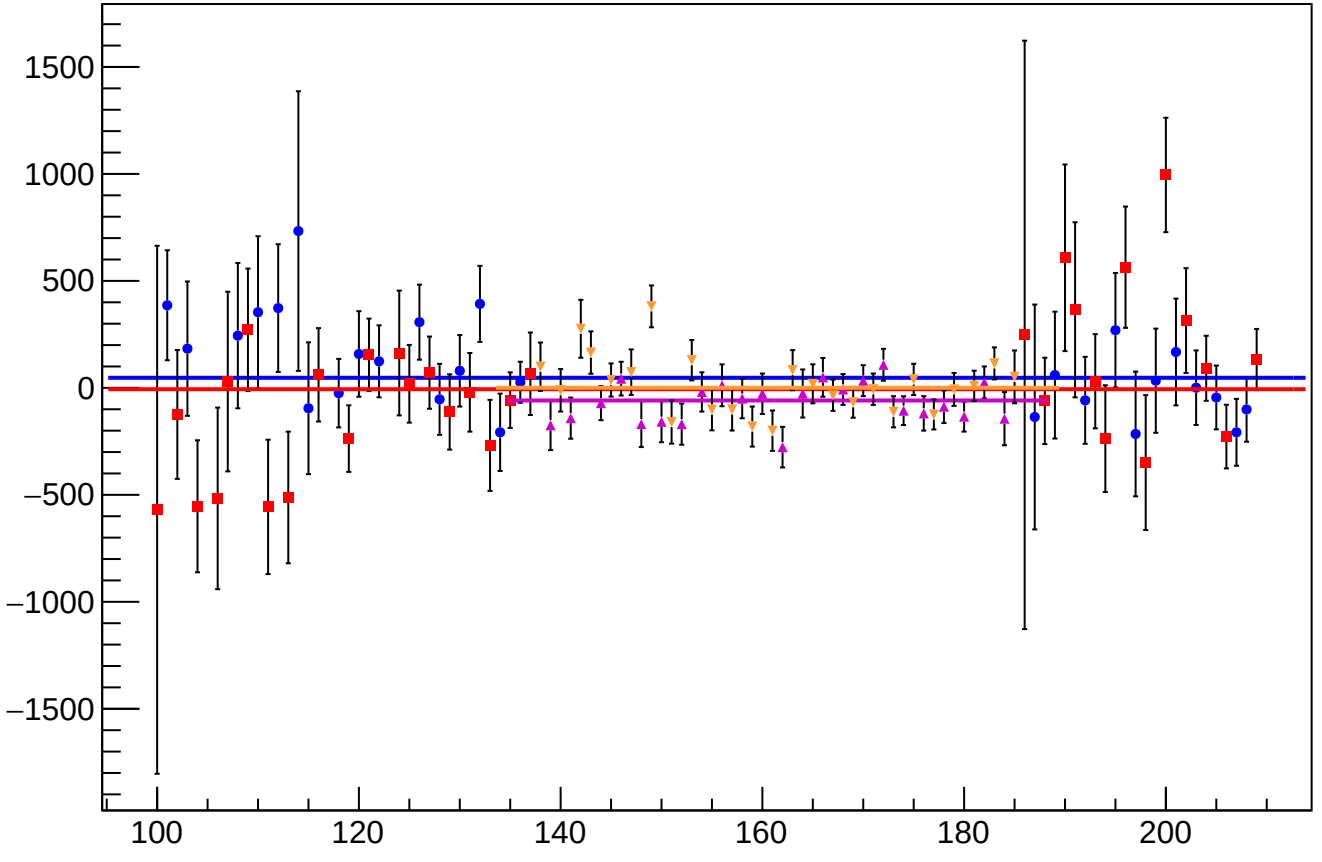
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 512.504+/-0.071 χ^2/NDF: 18295962.4/51

All: 515.922+/-0.051 χ^2/NDF: 38533536.3/10

- sign 519.516+/-0.073 χ^2/NDF: 20232878.4/54

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -6.269+/-38.504 χ^2/NDF: 46.0/31

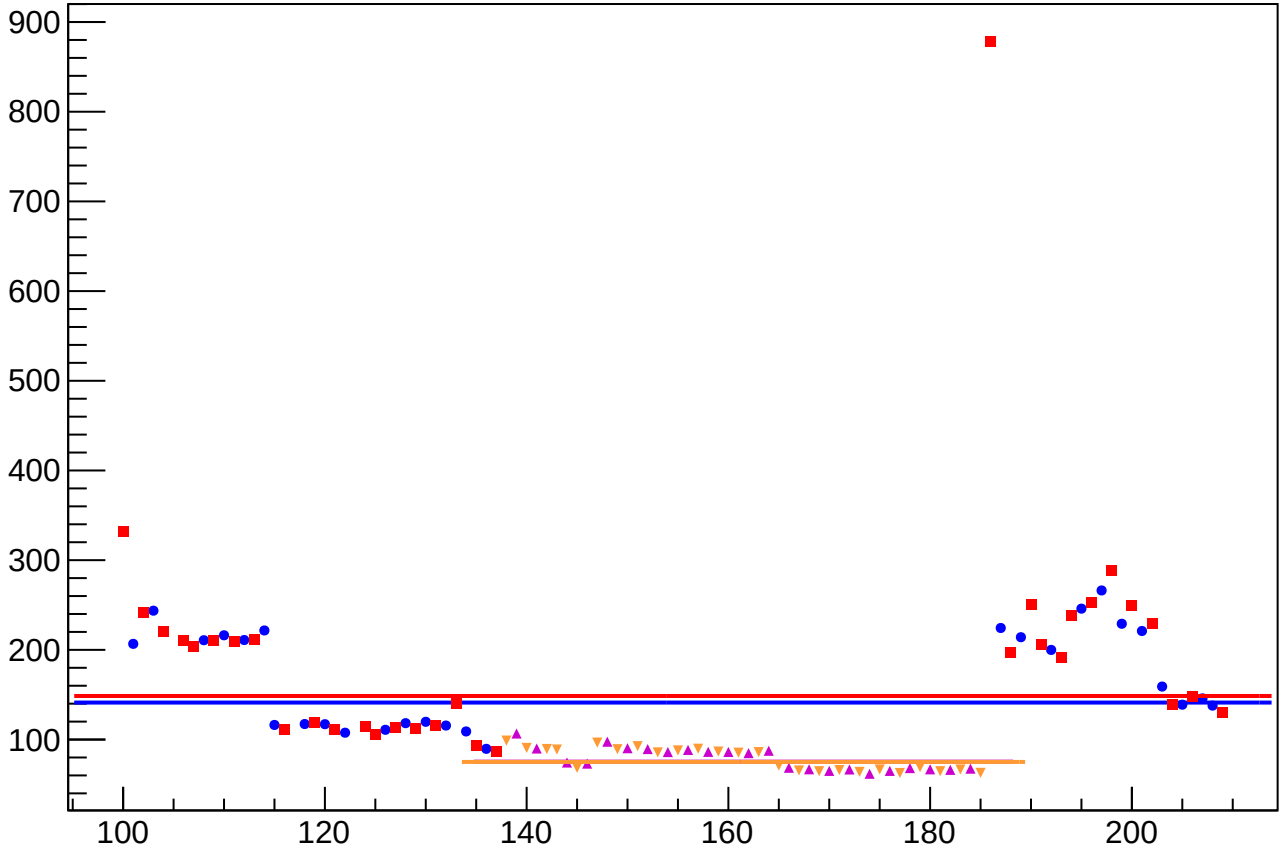
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 8.688+/-15.742 χ^2/NDF: 70.7/51

All: -19.576+/-11.295 χ^2/NDF: 150.7/106

- sign -49.568+/-16.216 χ^2/NDF: 73.3/54

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

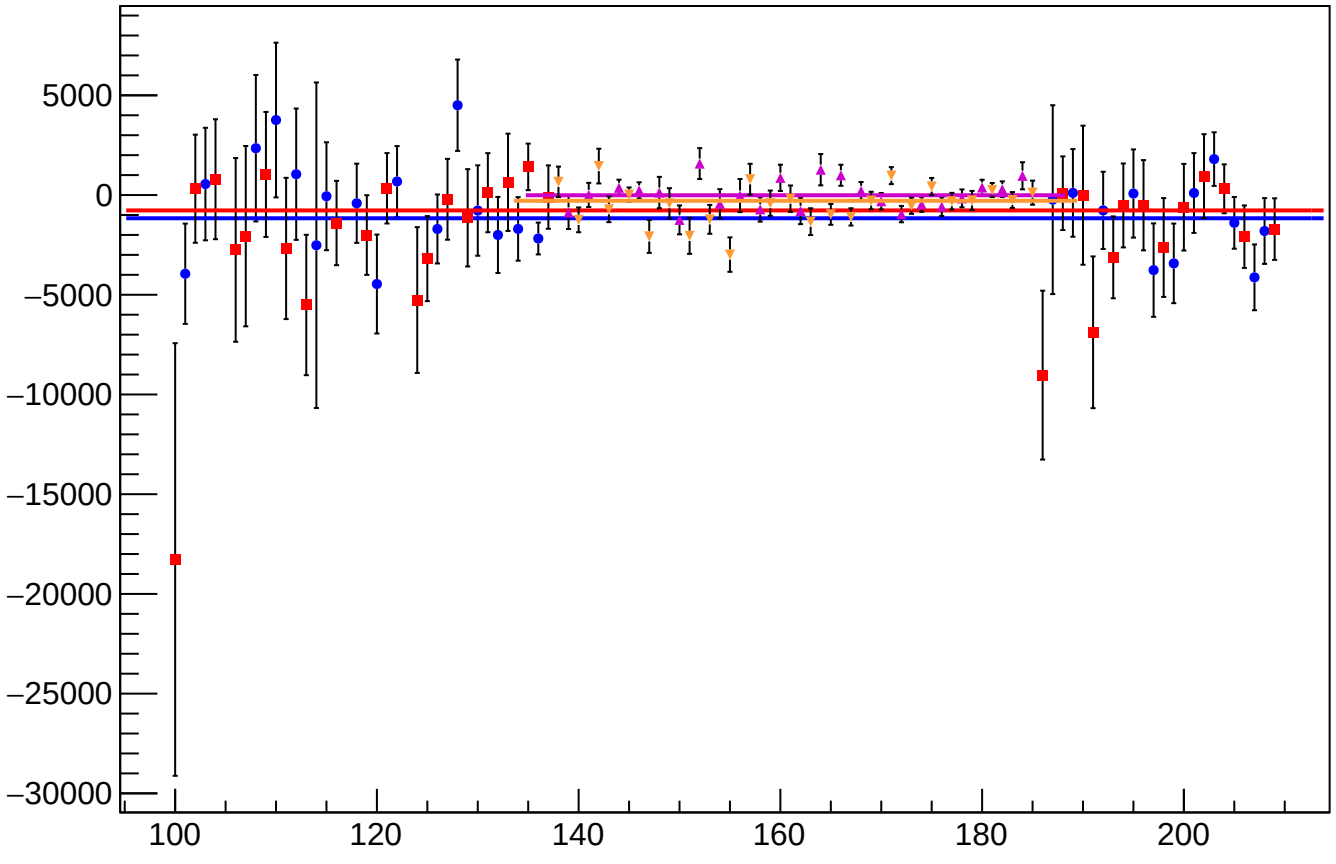
Right Out: 148.582+/-0.027 χ^2/NDF: 4219901.7/31

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 86.548+/-0.011 χ^2/NDF: 9143571.9/51

All: 87.418+/-0.008 χ^2/NDF: 20164821.2/106

- sign 88.341+/-0.011 χ^2/NDF: 11008660.8/54



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -771.200+/-380.183 χ^2/NDF: 24.8/31

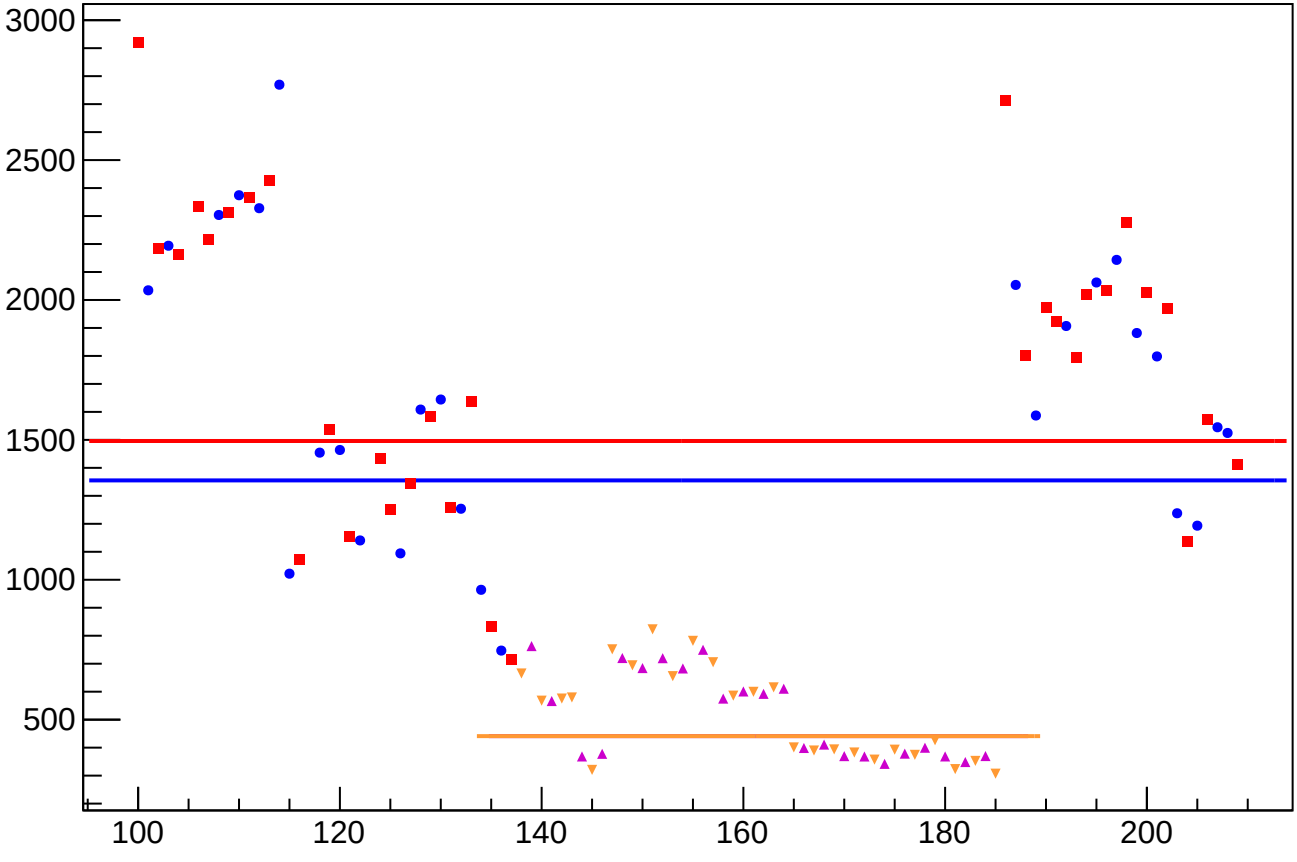
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -356.490+/-101.039 χ^2/NDF: 86.5/51

All: -215.417+/-72.332 χ^2/NDF: 152.5/106

- sign -67.115+/-103.595 χ^2/NDF: 61.9/54

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.009+/-0.269 χ^2/NDF: 3298342.6/31

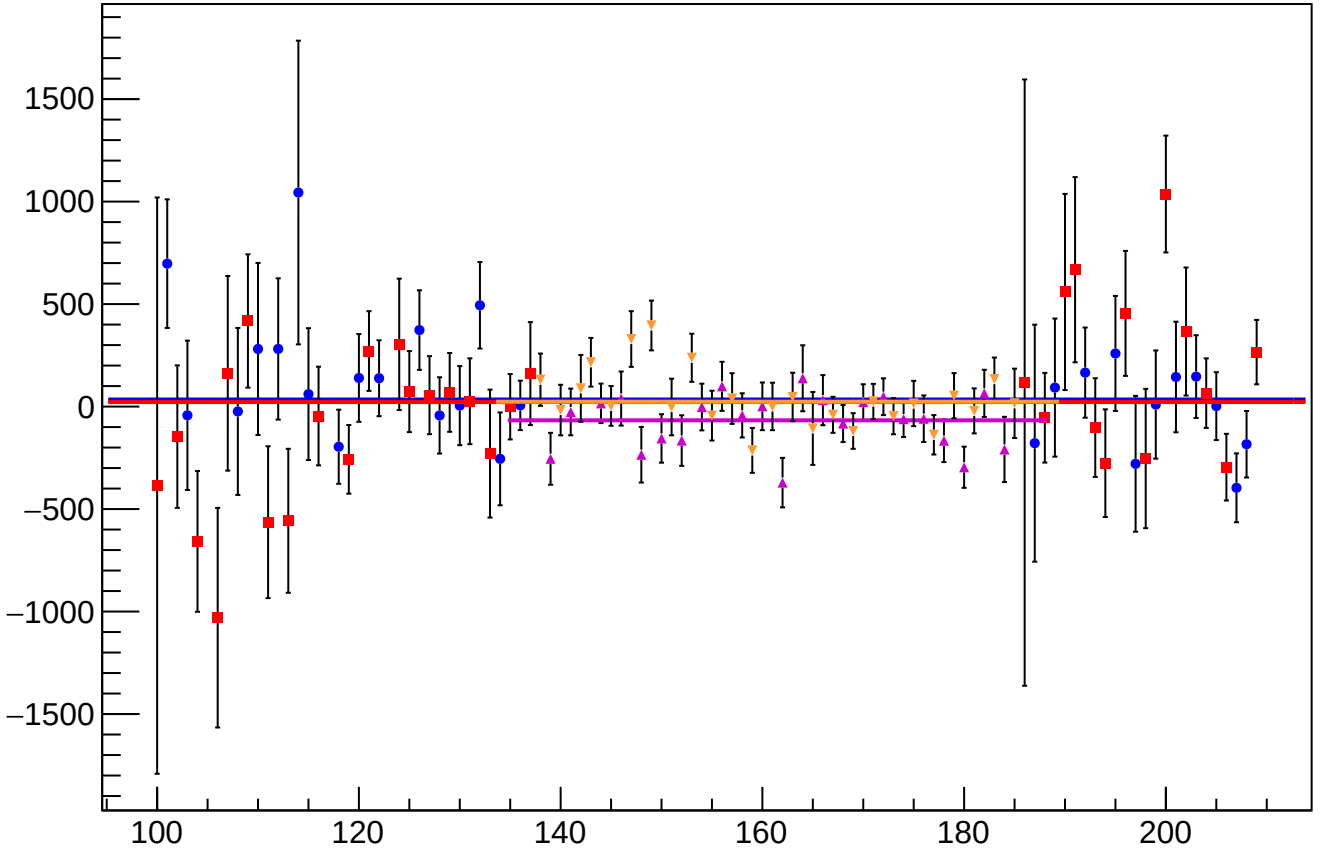
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 512.504+/-0.071 χ^2/NDF: 18295962.4/51

All: 515.922+/-0.051 χ^2/NDF: 38533536.3/10

- sign 519.516+/-0.073 χ^2/NDF: 20232878.4/54

dit_asym_sam_26_avg_mean vs Slug



Right In: 34.516+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 22.073+/-43.639 χ^2/NDF: 49.1/31

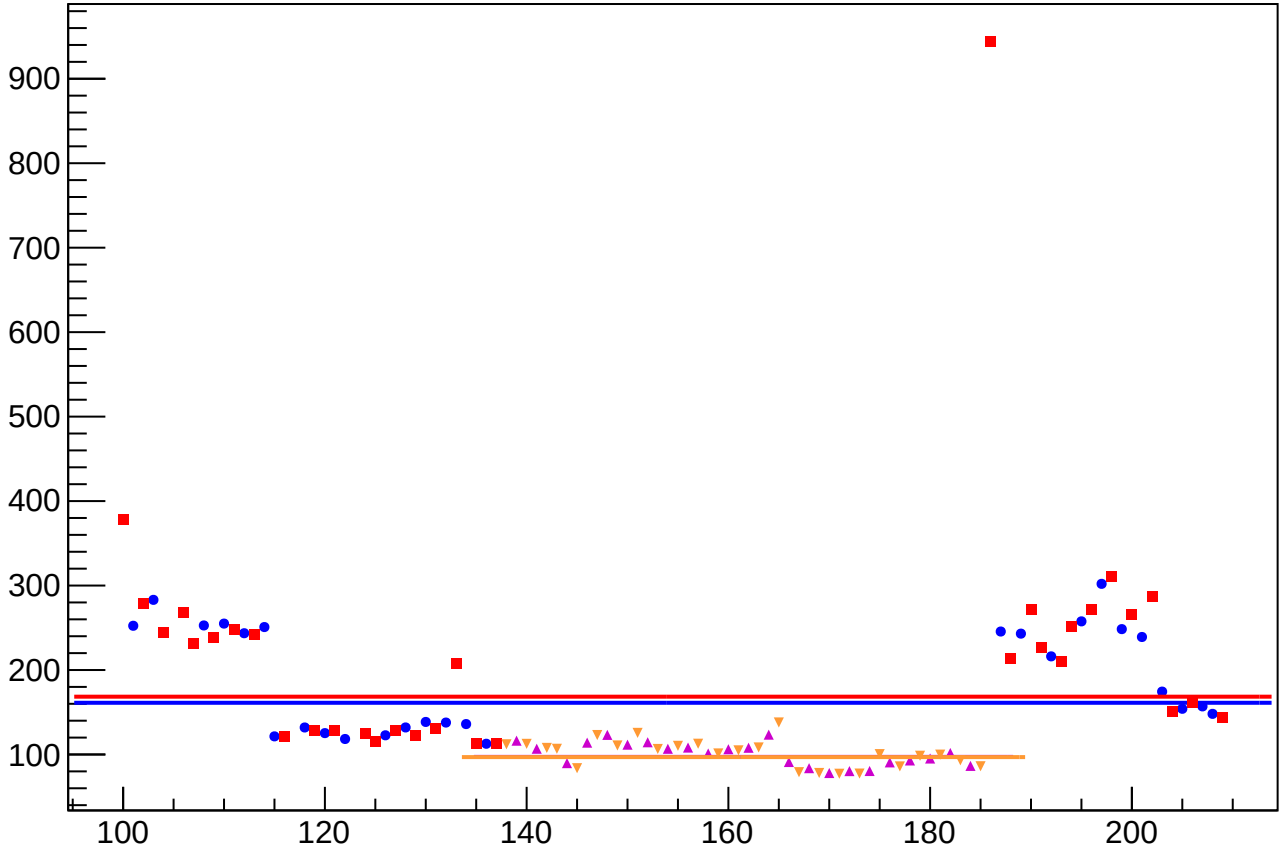
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 26.147+/-19.876 χ^2/NDF: 65.3/51

All: -9.685+/-14.247 χ^2/NDF: 153.0/106

- sign -47.543+/-20.431 χ^2/NDF: 81.0/54

dit_asym_sam_26_avg_rms vs Slug



Right In: 161.212+/-0.030 χ^2/NDF: 2806509.8/26

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

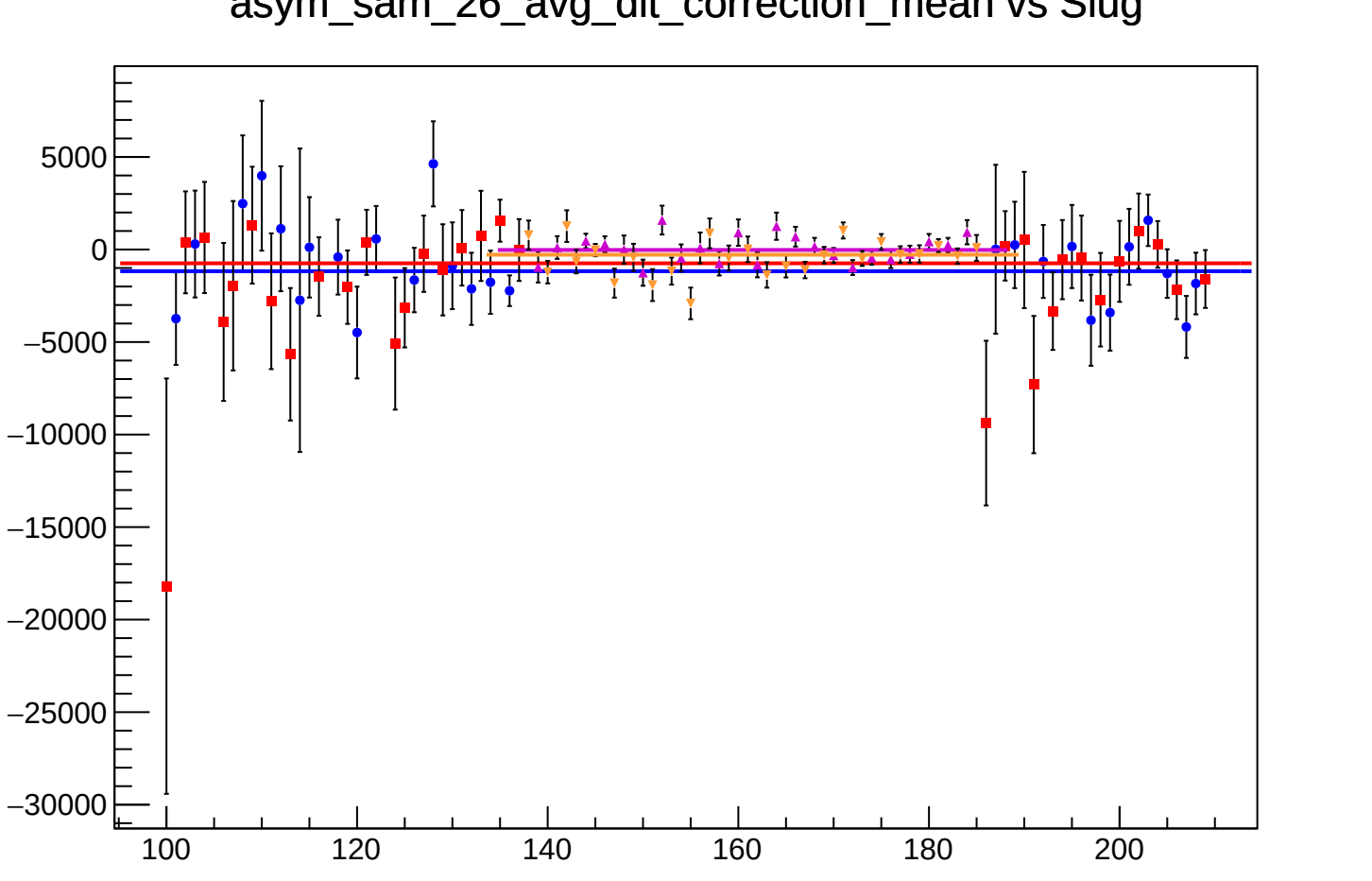
Right Out: 168.438+/-0.031 χ^2/NDF: 4007877.9/31

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 110.644+/-0.014 χ^2/NDF: 7257028.4/51

All: 111.687+/-0.010 χ^2/NDF: 16116159.8/10

- sign 112.789+/-0.014 χ^2/NDF: 8847806.6/54



Right In: -1173.033+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -745.968+/-383.288 χ^2/NDF: 26.6/31

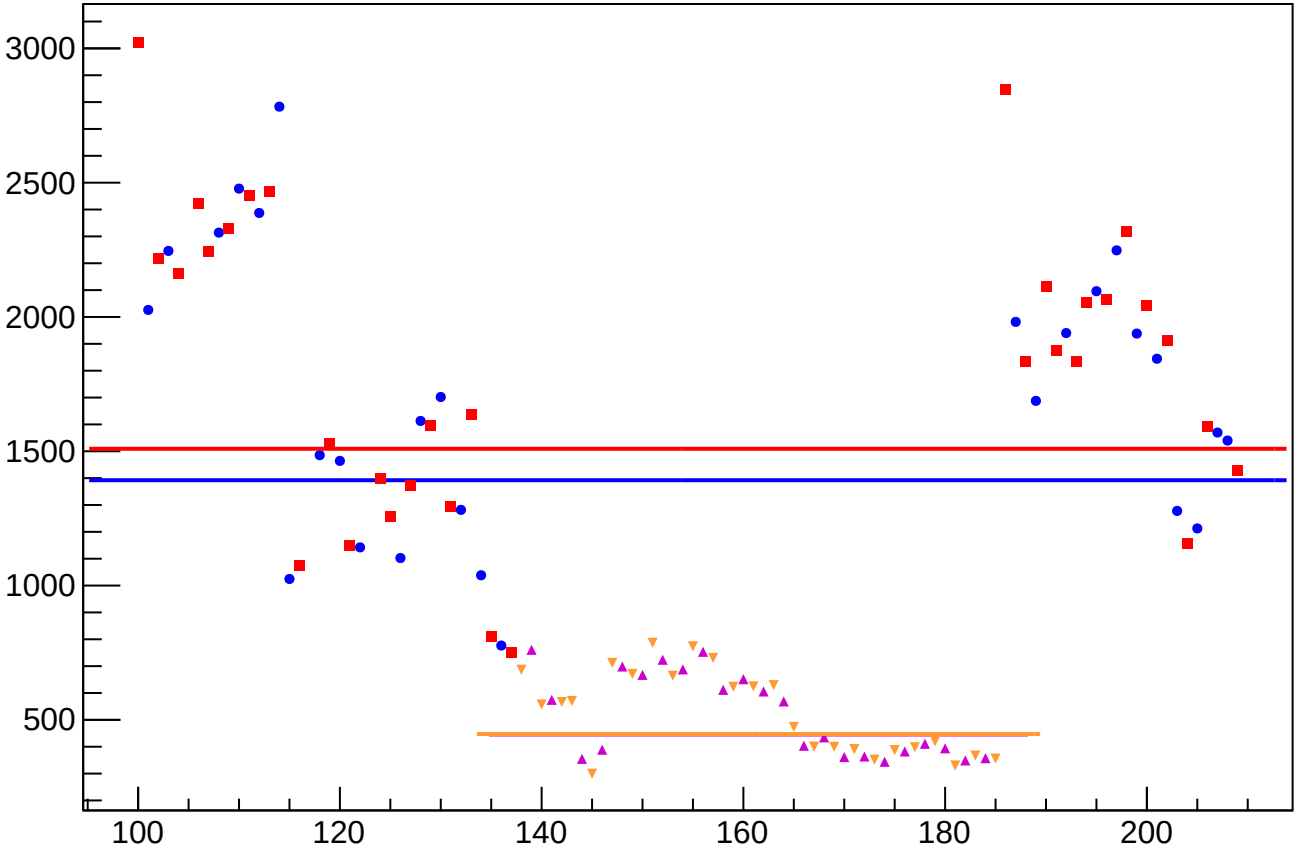
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -350.235+/-102.263 χ^2/NDF: 82.7/51

All: -217.613+/-73.171 χ^2/NDF: 148.9/106

- sign -78.491+/-104.739 χ^2/NDF: 62.8/54

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1392.195+/-0.262 χ^2/NDF: 3178371.0/26

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1509.351+/-0.271 χ^2/NDF: 3399193.3/31

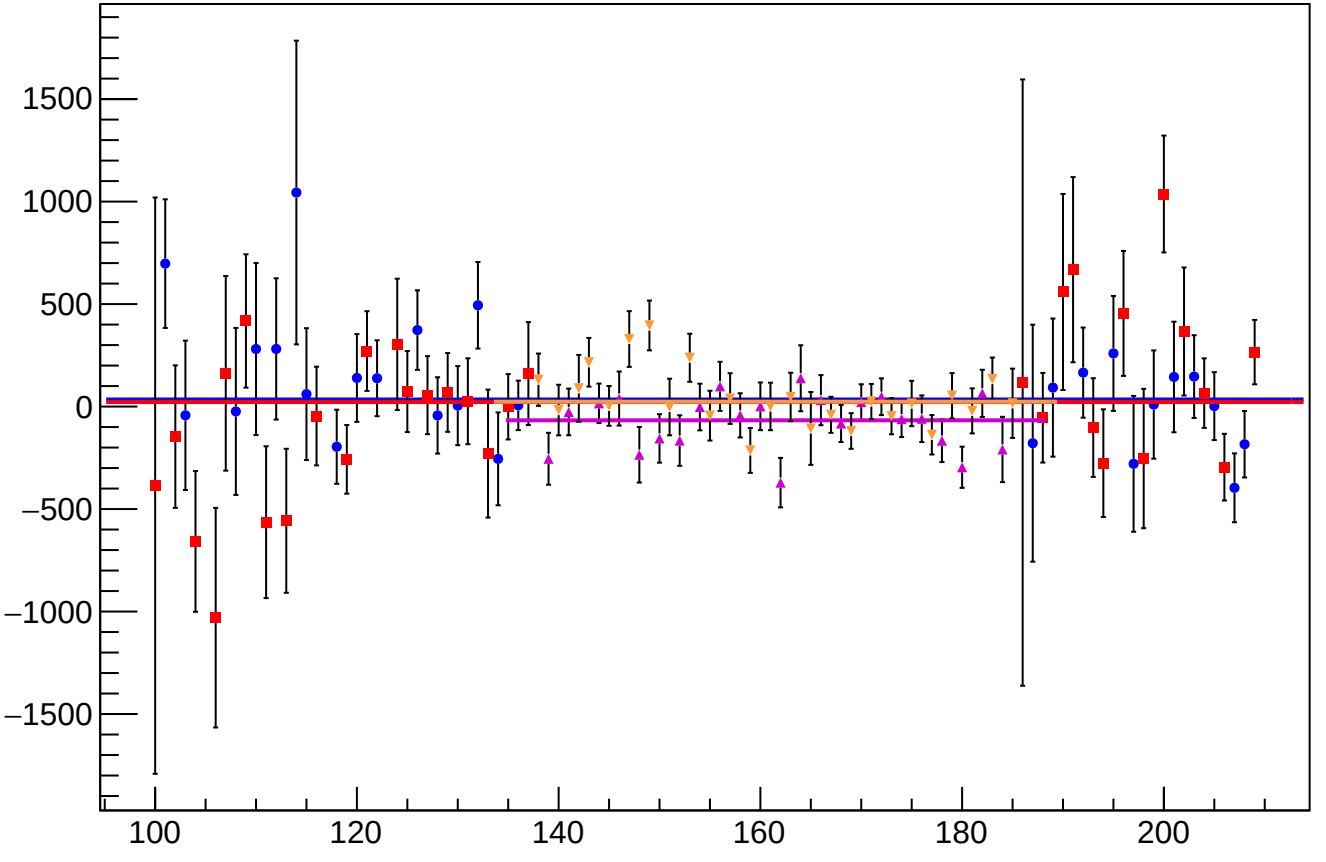
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 519.325+/-0.072 χ^2/NDF: 18385165.7/51

All: 522.063+/-0.052 χ^2/NDF: 38758076.0/10

- sign 524.934+/-0.074 χ^2/NDF: 20369974.6/54

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 34.519+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 22.072+/-43.639 χ^2/NDF: 49.1/31

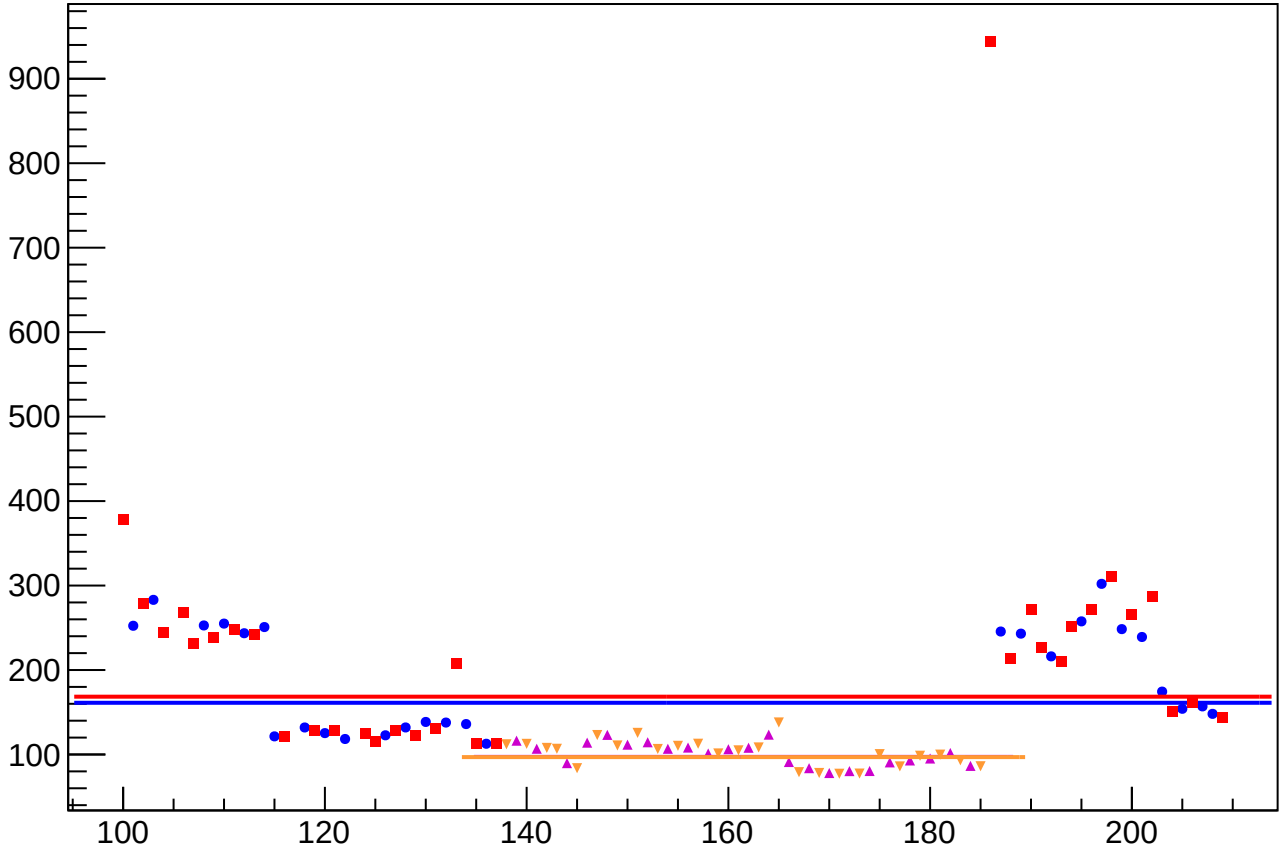
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 26.146+/-19.876 χ^2/NDF: 65.3/51

All: -9.685+/-14.247 χ^2/NDF: 153.0/106

- sign -47.543+/-20.431 χ^2/NDF: 81.0/54

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 161.211+/-0.030 χ^2/NDF: 2806518.2/26

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

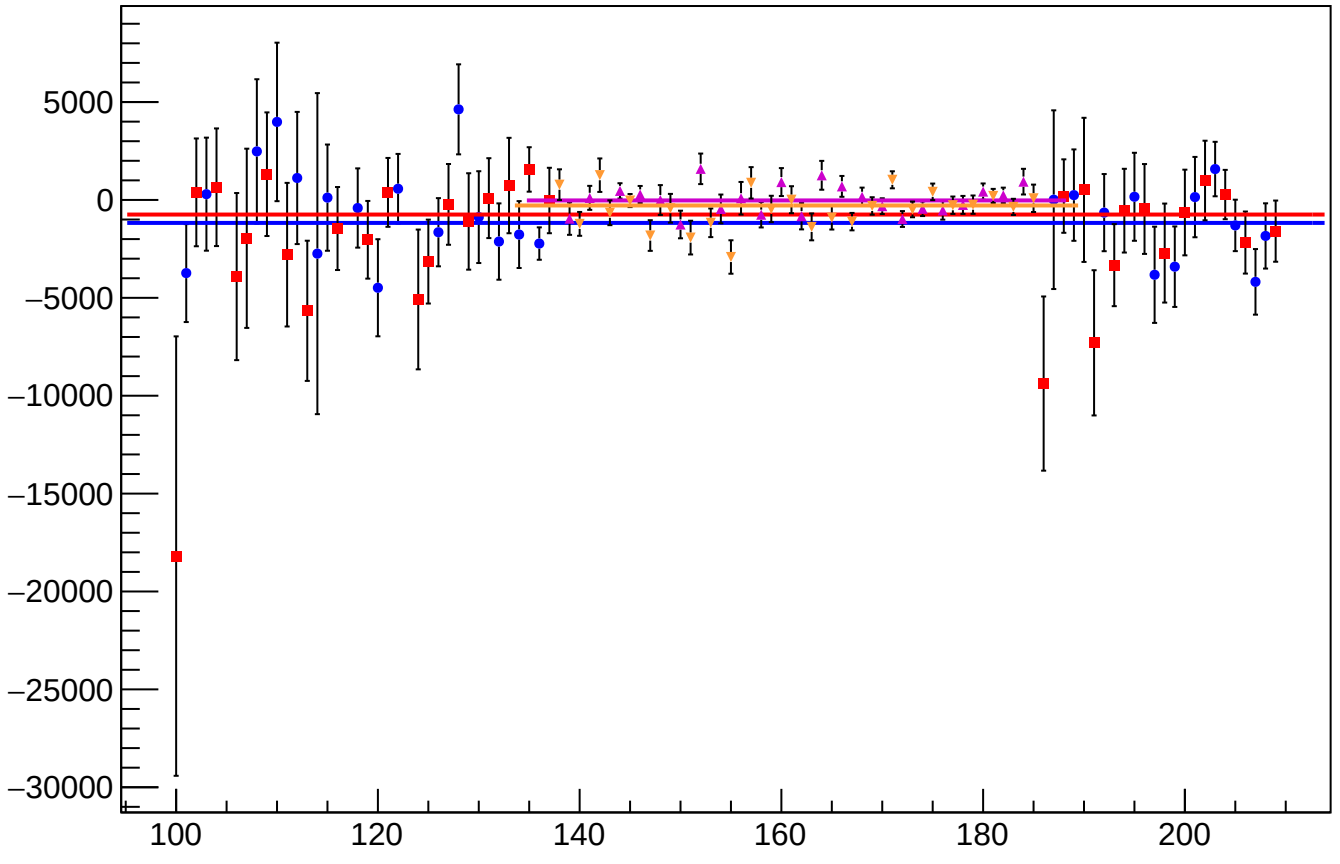
Right Out: 168.438+/-0.031 χ^2/NDF: 4007879.0/31

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 110.644+/-0.014 χ^2/NDF: 7256960.9/51

All: 111.687+/-0.010 χ^2/NDF: 16116020.1/10

- sign 112.789+/-0.014 χ^2/NDF: 8847733.1/54



Right In: -1173.031+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -745.970+/-383.288 χ^2/NDF: 26.6/31

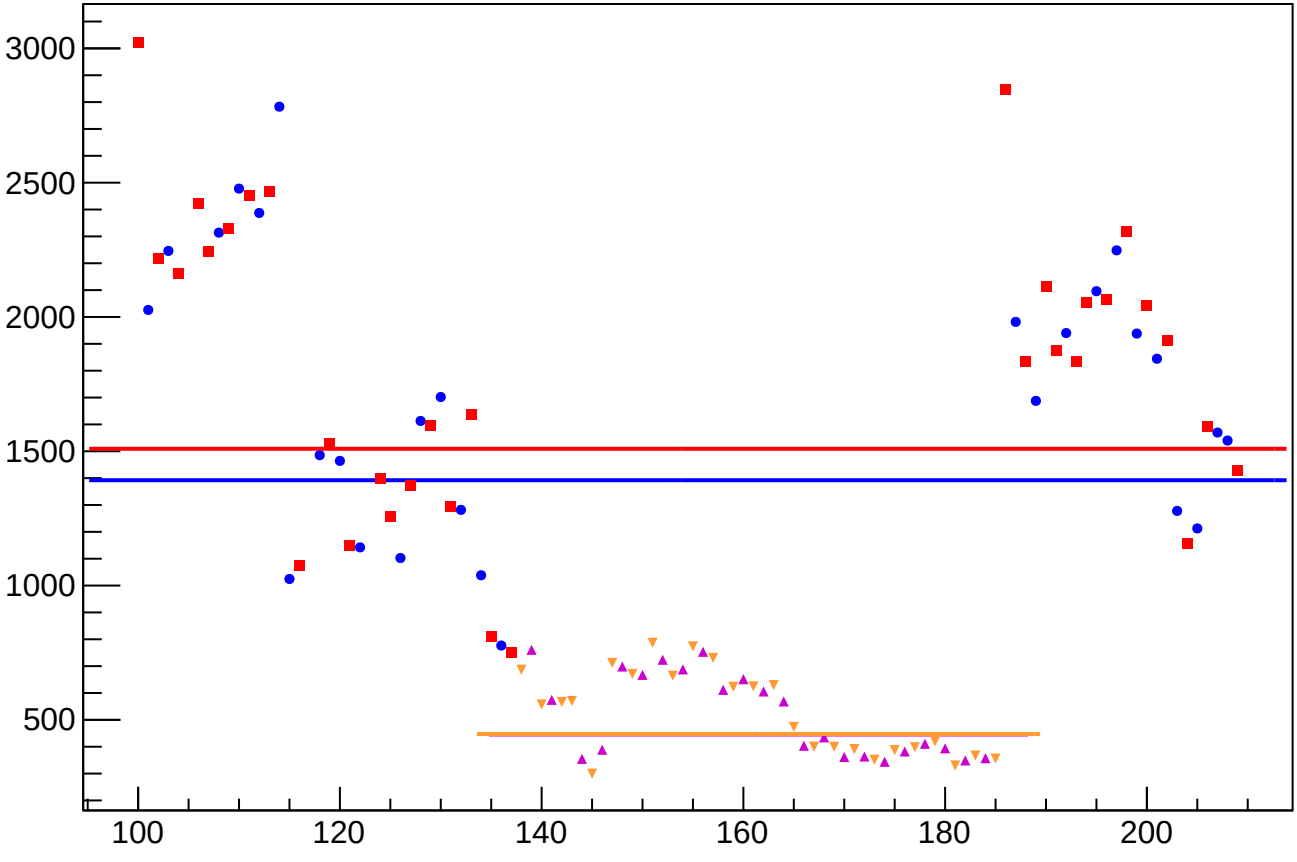
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -350.234+/-102.263 χ^2/NDF: 82.7/51

All: -217.613+/-73.171 χ^2/NDF: 148.9/106

- sign -78.491+/-104.739 χ^2/NDF: 62.8/54

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1392.196+/-0.262 χ^2/NDF: 3178350.9/26

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1509.352+/-0.271 χ^2/NDF: 3399176.0/31

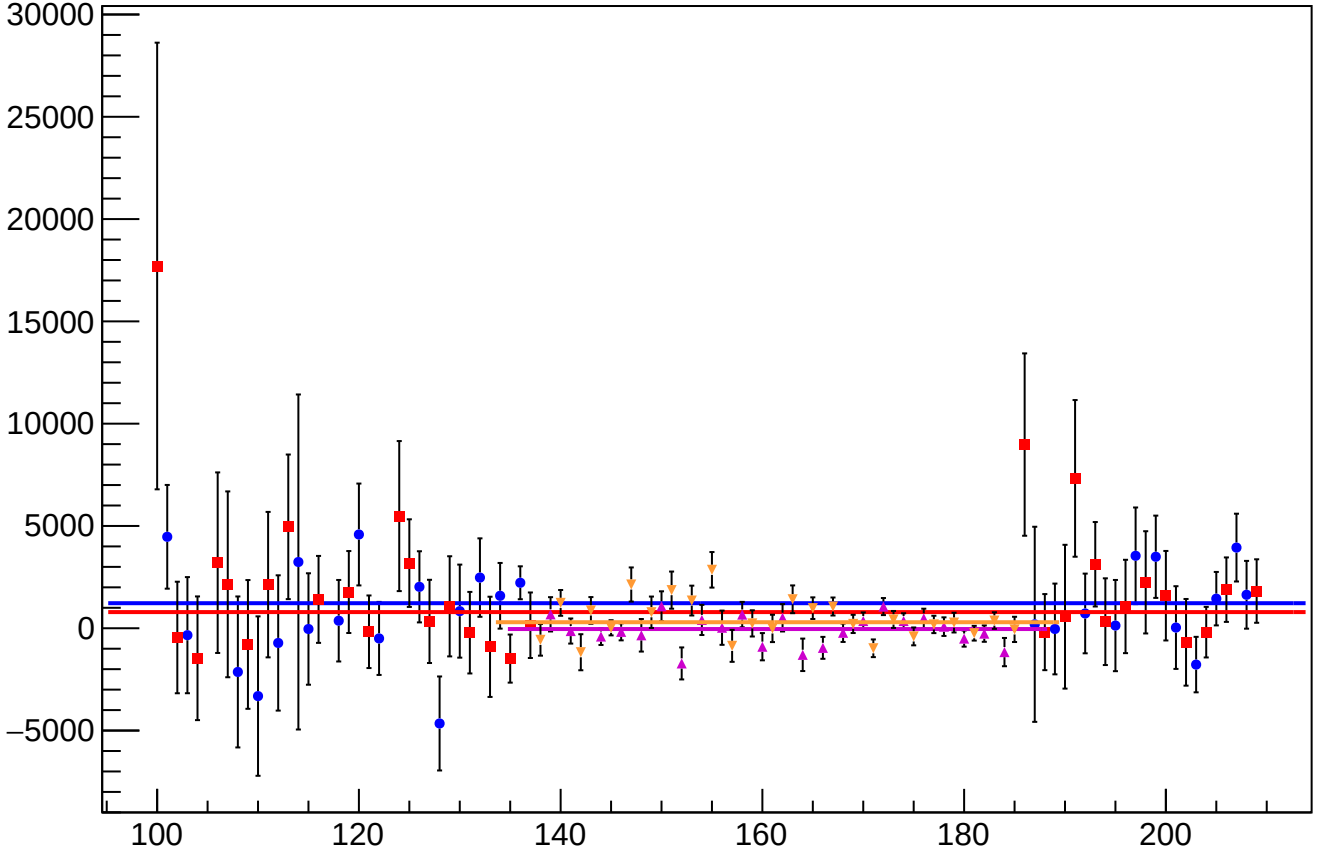
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 519.325+/-0.072 χ^2/NDF: 18385192.5/51

All: 522.062+/-0.052 χ^2/NDF: 38758117.0/10

- sign 524.933+/-0.074 χ^2/NDF: 20369988.6/54

asym_sam_26_avg_mean vs Slug



Right In: 1224.778+/-364.021 χ^2/NDF: 27.4/26

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 790.123+/-382.426 χ^2/NDF: 24.0/31

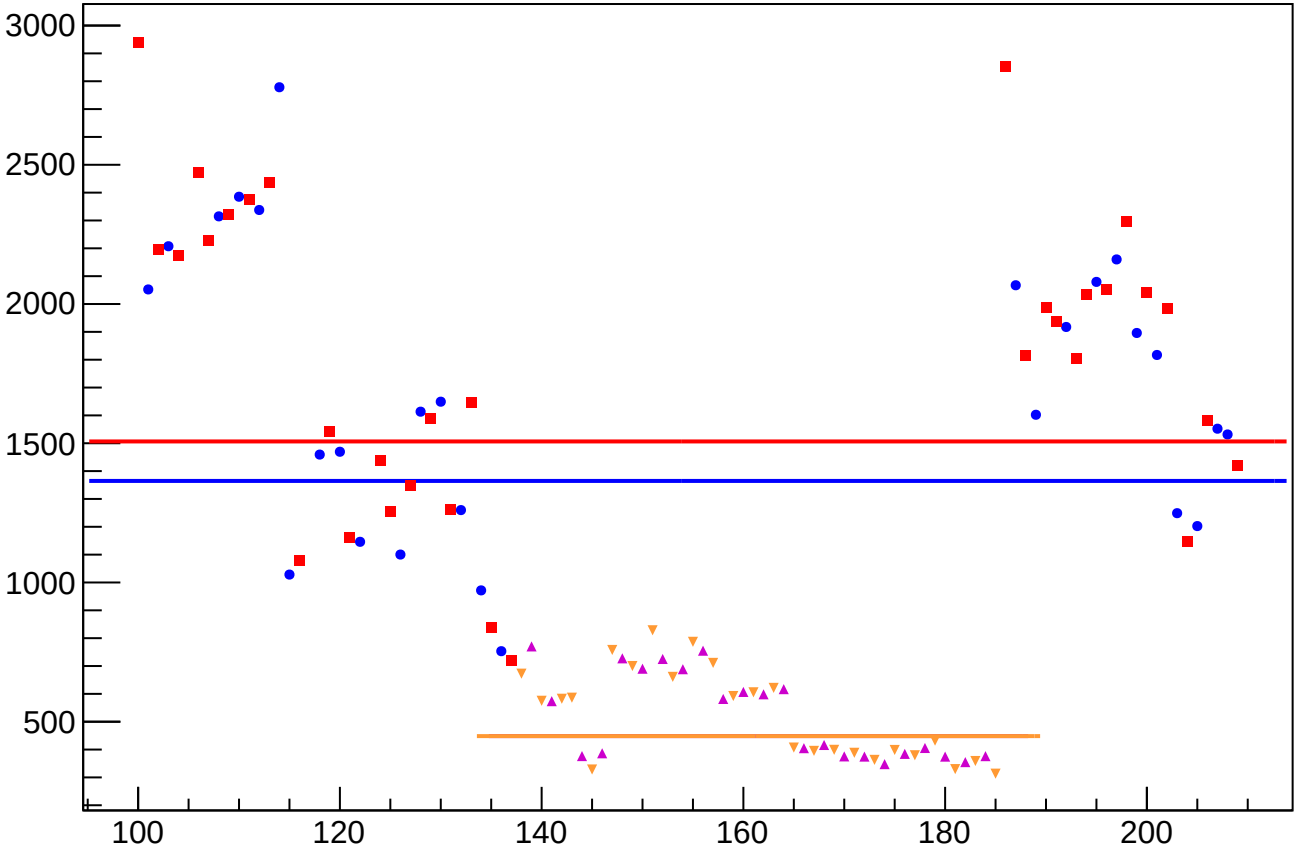
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 368.708+/-102.489 χ^2/NDF: 83.9/51

All: 200.920+/-73.378 χ^2/NDF: 150.7/106

- sign 24.455+/-105.106 χ^2/NDF: 61.2/54

asym_sam_26_avg_rms vs Slug



Right In: 1364.682+/-0.257 χ^2/NDF: 3266772.3/26

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

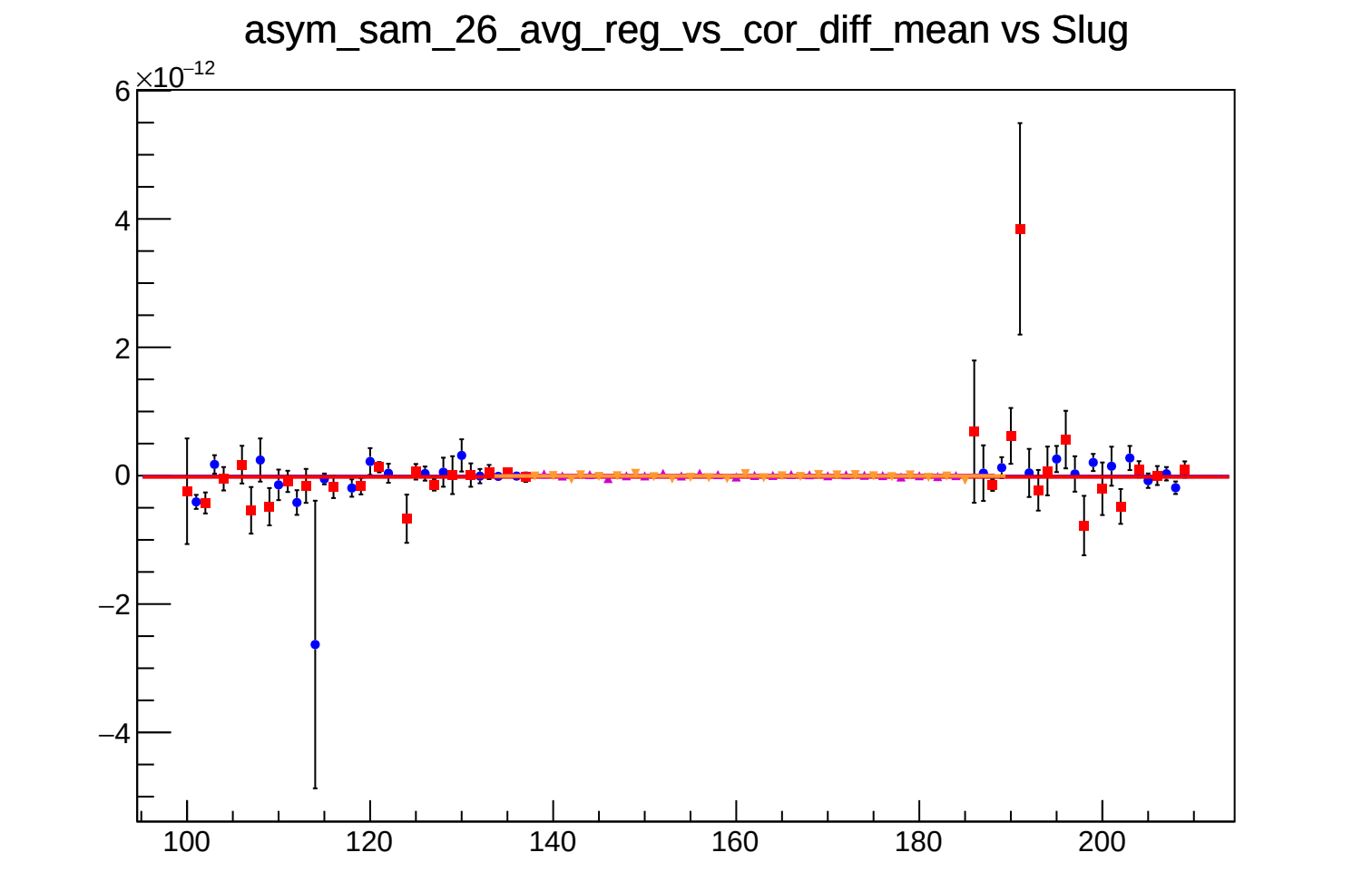
Right Out: 1506.494+/-0.270 χ^2/NDF: 3347043.8/31

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 520.920+/-0.072 χ^2/NDF: 18094019.2/51

All: 524.528+/-0.052 χ^2/NDF: 38220787.9/10

- sign 528.322+/-0.074 χ^2/NDF: 20121684.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

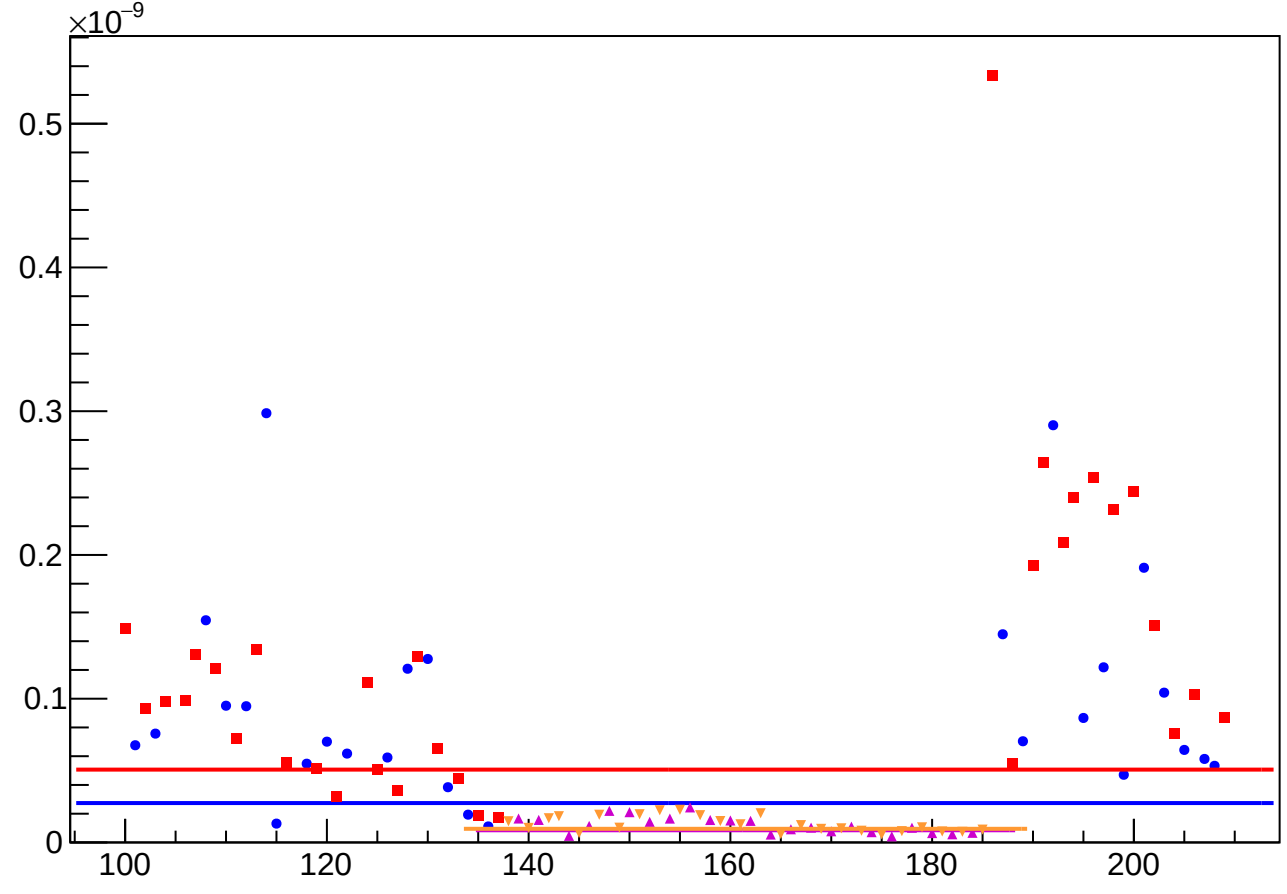
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/31

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.8/51

All: -0.000+/-0.000 χ^2/NDF: 127.2/106

- sign 0.000+/-0.000 χ^2/NDF: 62.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 6797225.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5983078.2/31

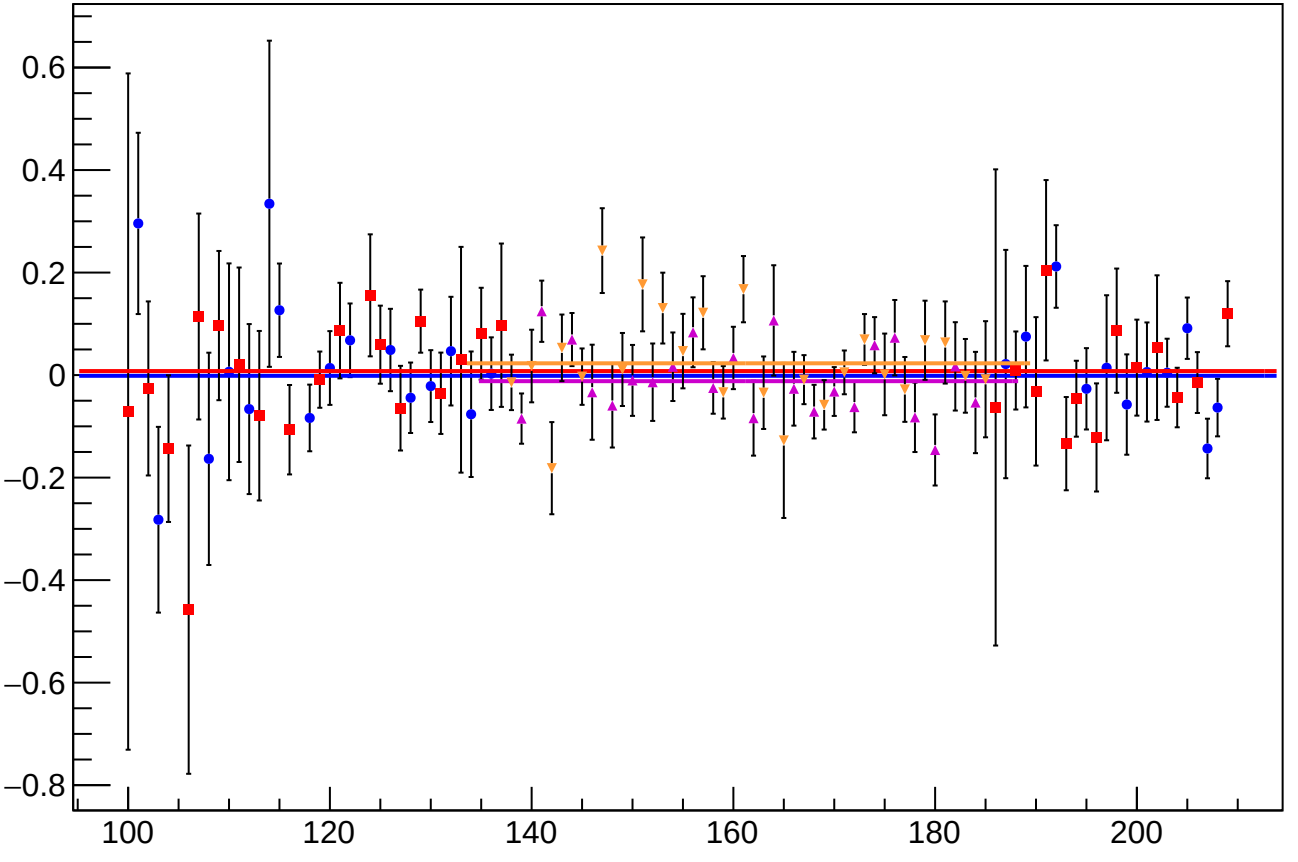
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11415627.2/51

All: 0.000+/-0.000 χ^2/NDF: 25979891.5/106

- sign 0.000+/-0.000 χ^2/NDF: 14497589.5/54

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.008+/-0.017 χ^2/NDF: 23.7/31

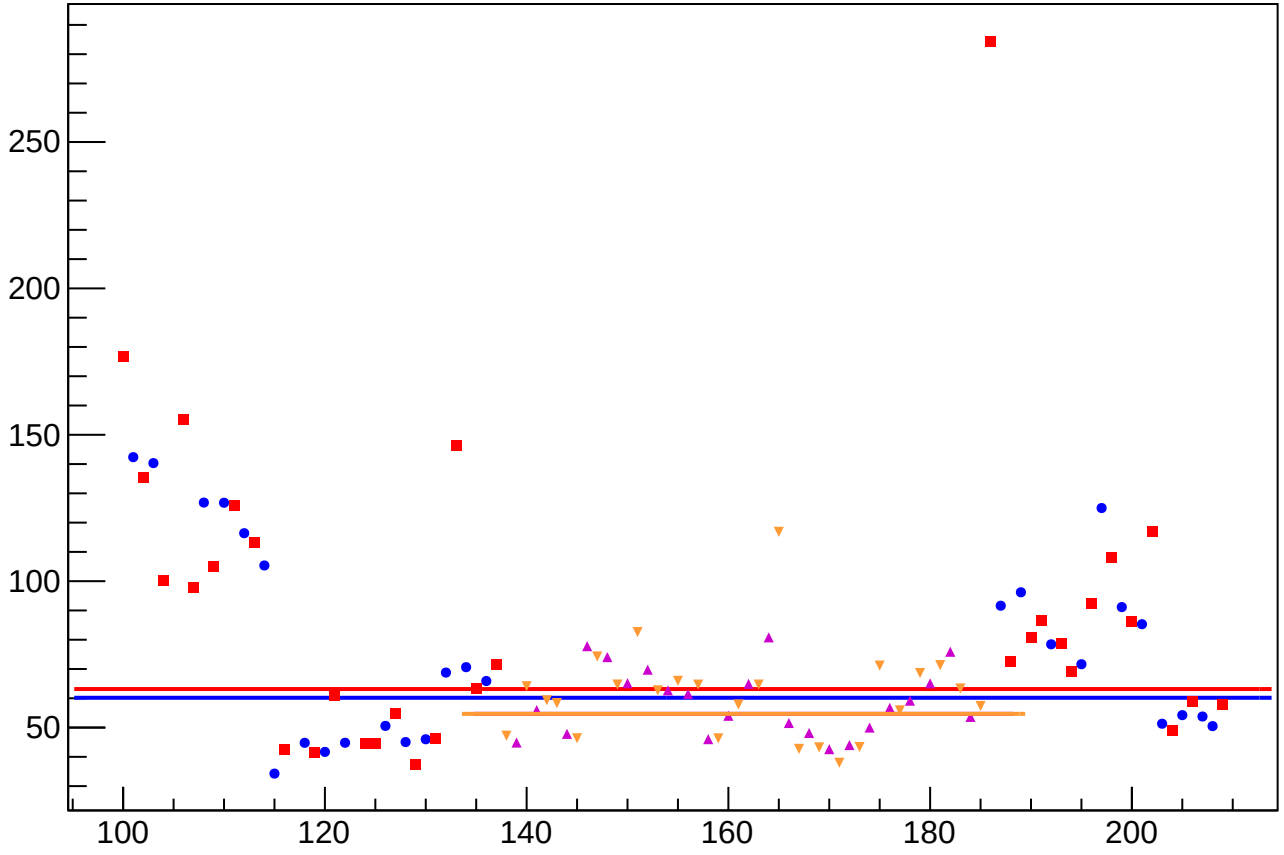
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.005+/-0.007 χ^2/NDF: 117.9/106

- sign -0.004+/-0.010 χ^2/NDF: 50.4/54

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

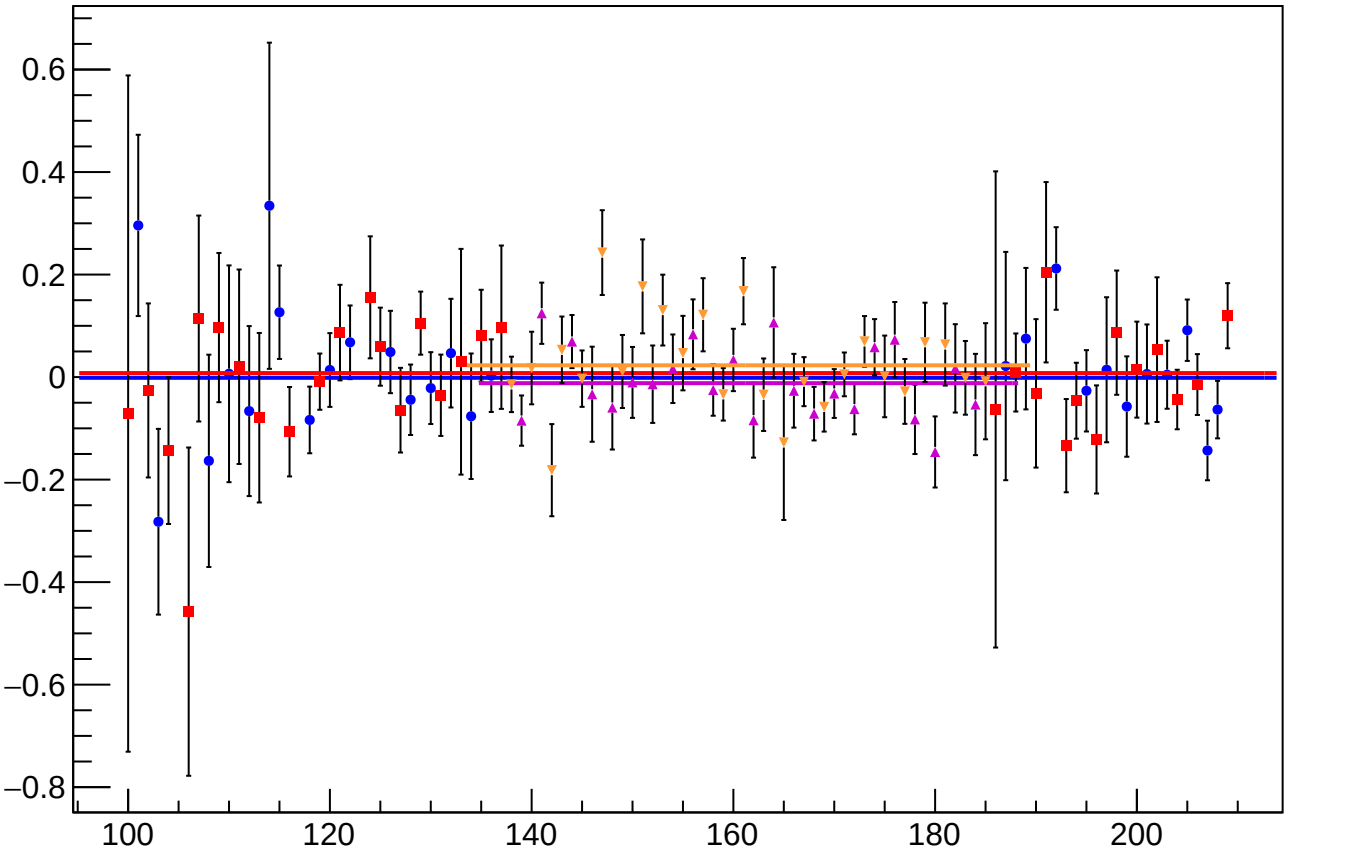
Right Out: 63.160+/-0.012 χ^2/NDF: 4306985.0/31

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.746+/-0.007 χ^2/NDF: 5531030.9/51

All: 57.325+/-0.005 χ^2/NDF: 11353951.9/106

- sign 57.926+/-0.007 χ^2/NDF: 5809855.7/54



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

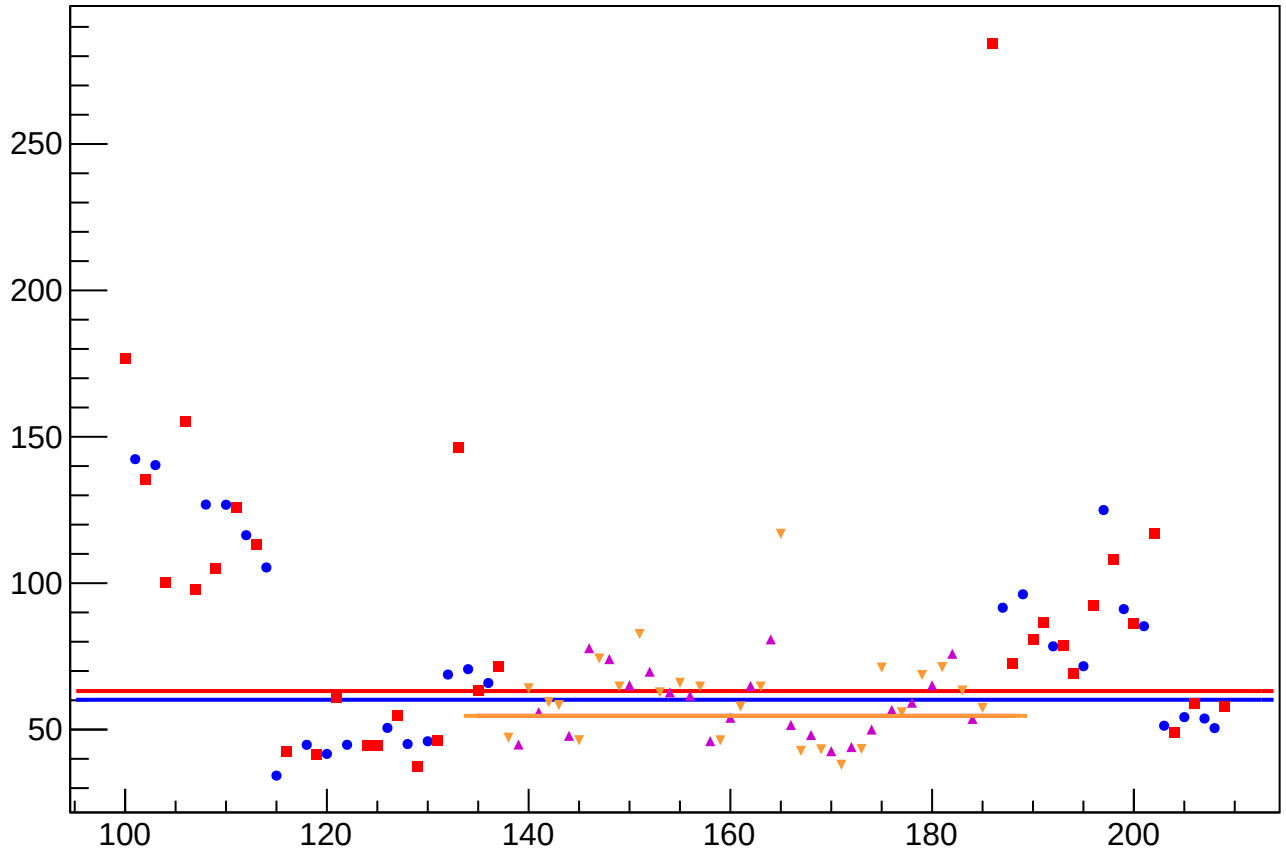
Right Out: 0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.005+/-0.007 χ^2/NDF: 117.9/106

- sign -0.004+/-0.010 χ^2/NDF: 50.4/54



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

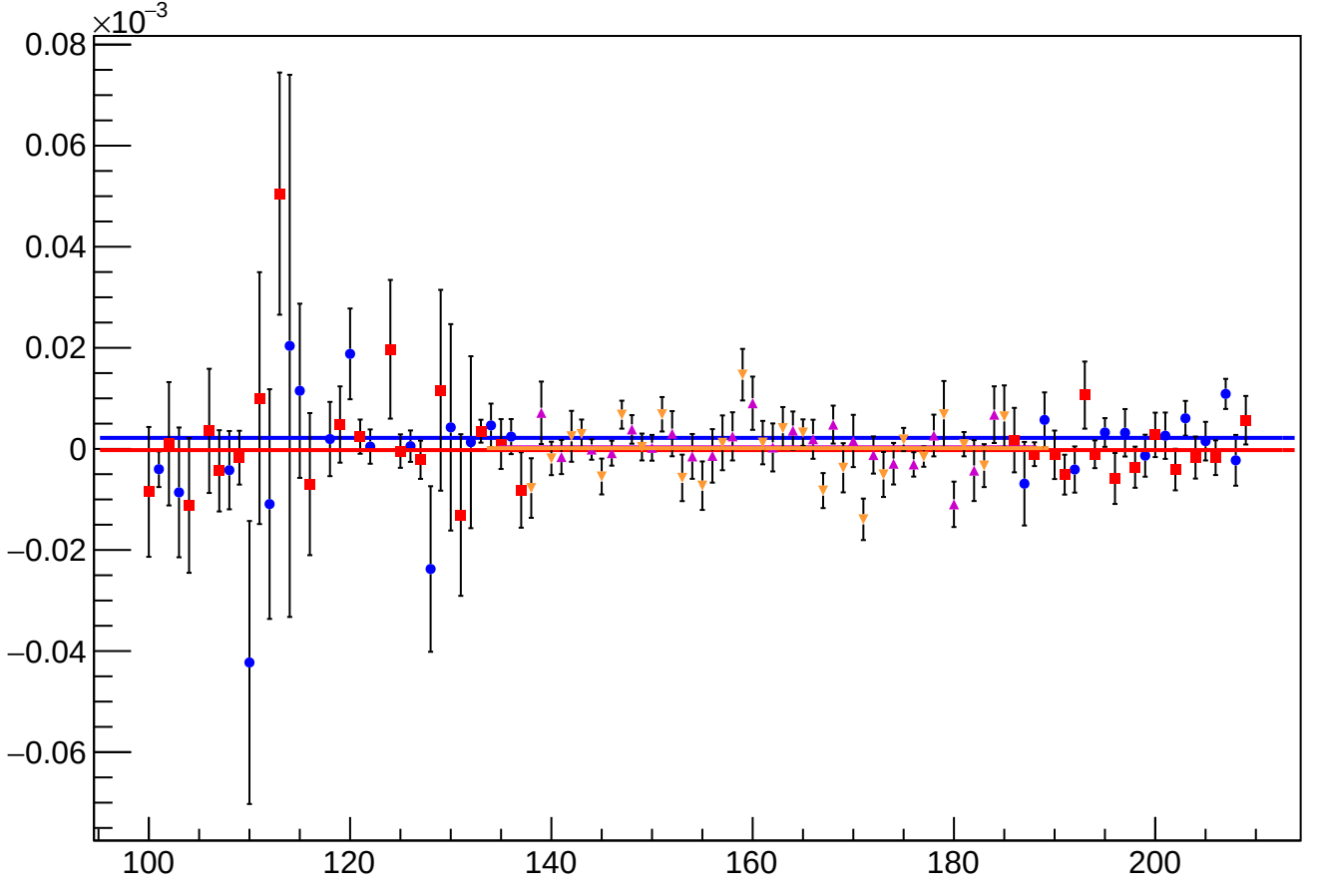
Right Out: 63.160+/-0.012 χ^2/NDF: 4306985.0/31

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.746+/-0.007 χ^2/NDF: 5531030.9/51

All: 57.325+/-0.005 χ^2/NDF: 11353951.9/106

- sign 57.926+/-0.007 χ^2/NDF: 5809855.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

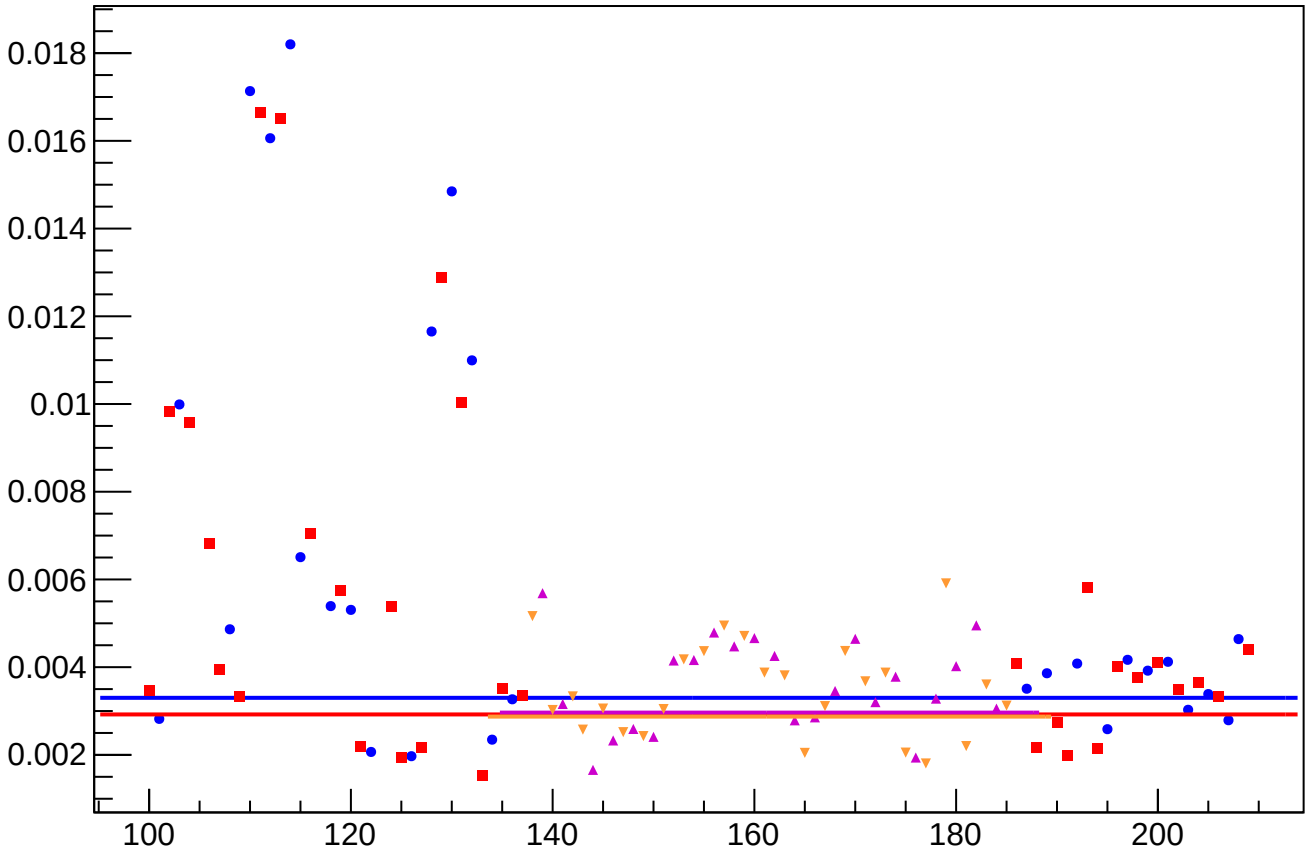
Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/31

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.4/51

All: 0.000+/-0.000 χ^2/NDF: 132.8/106

- sign 0.000+/-0.000 χ^2/NDF: 45.4/54



Right In: 0.003+/-0.000 χ^2/NDF: 5161210.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

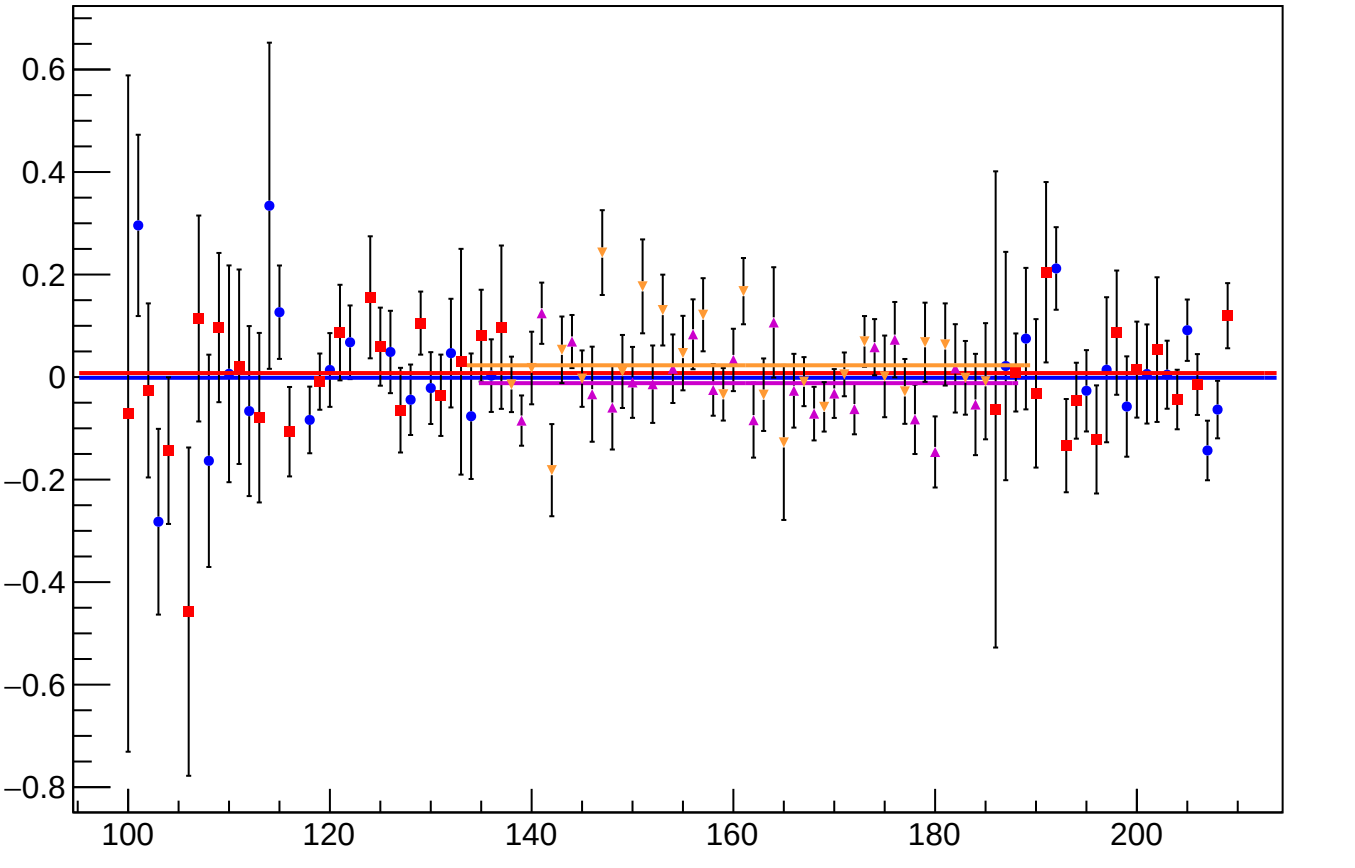
Right Out: 0.003+/-0.000 χ^2/NDF: 6759799.1/31

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 9036088.7/51

All: 0.003+/-0.000 χ^2/NDF: 19438608.1/106

- sign 0.003+/-0.000 χ^2/NDF: 10381614.7/54



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

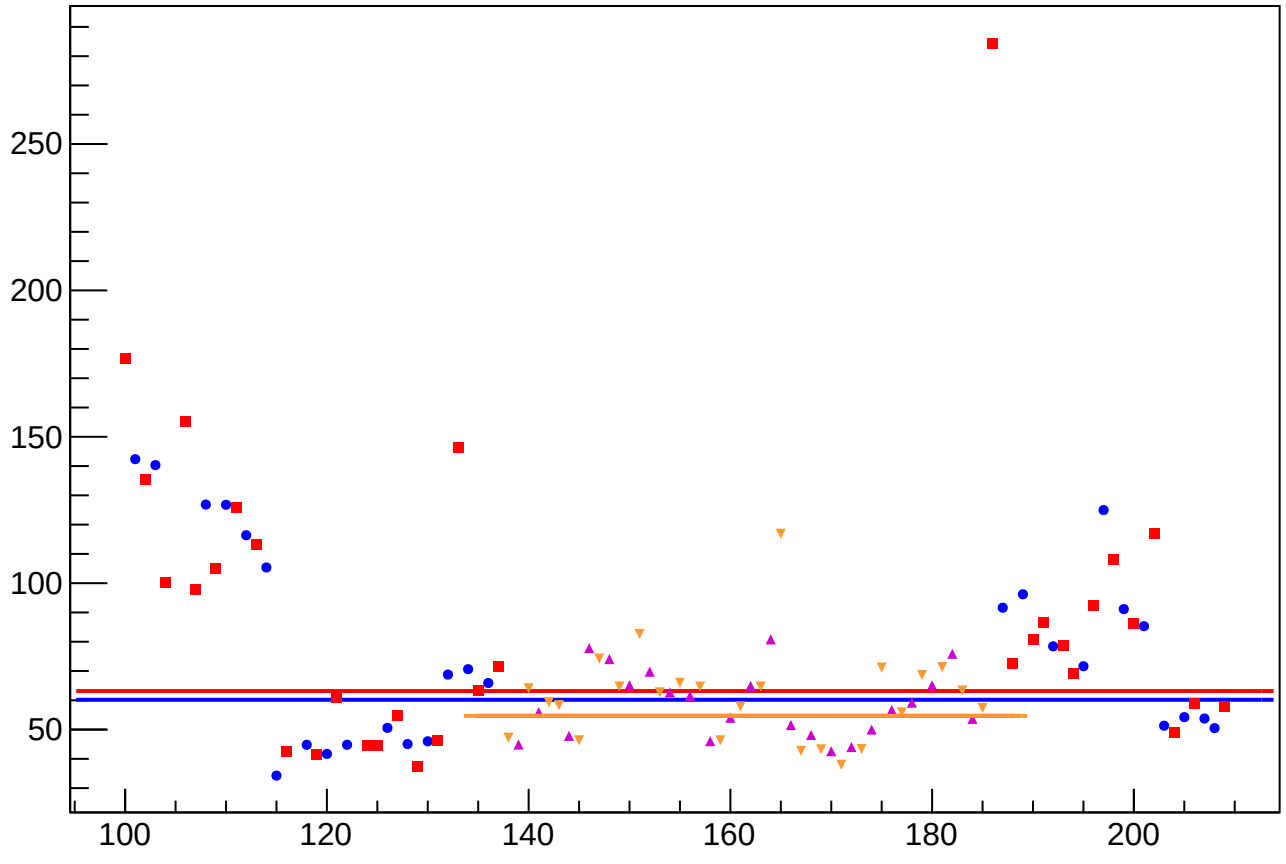
Right Out: 0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.005+/-0.007 χ^2/NDF: 117.9/106

- sign -0.004+/-0.010 χ^2/NDF: 50.4/54



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

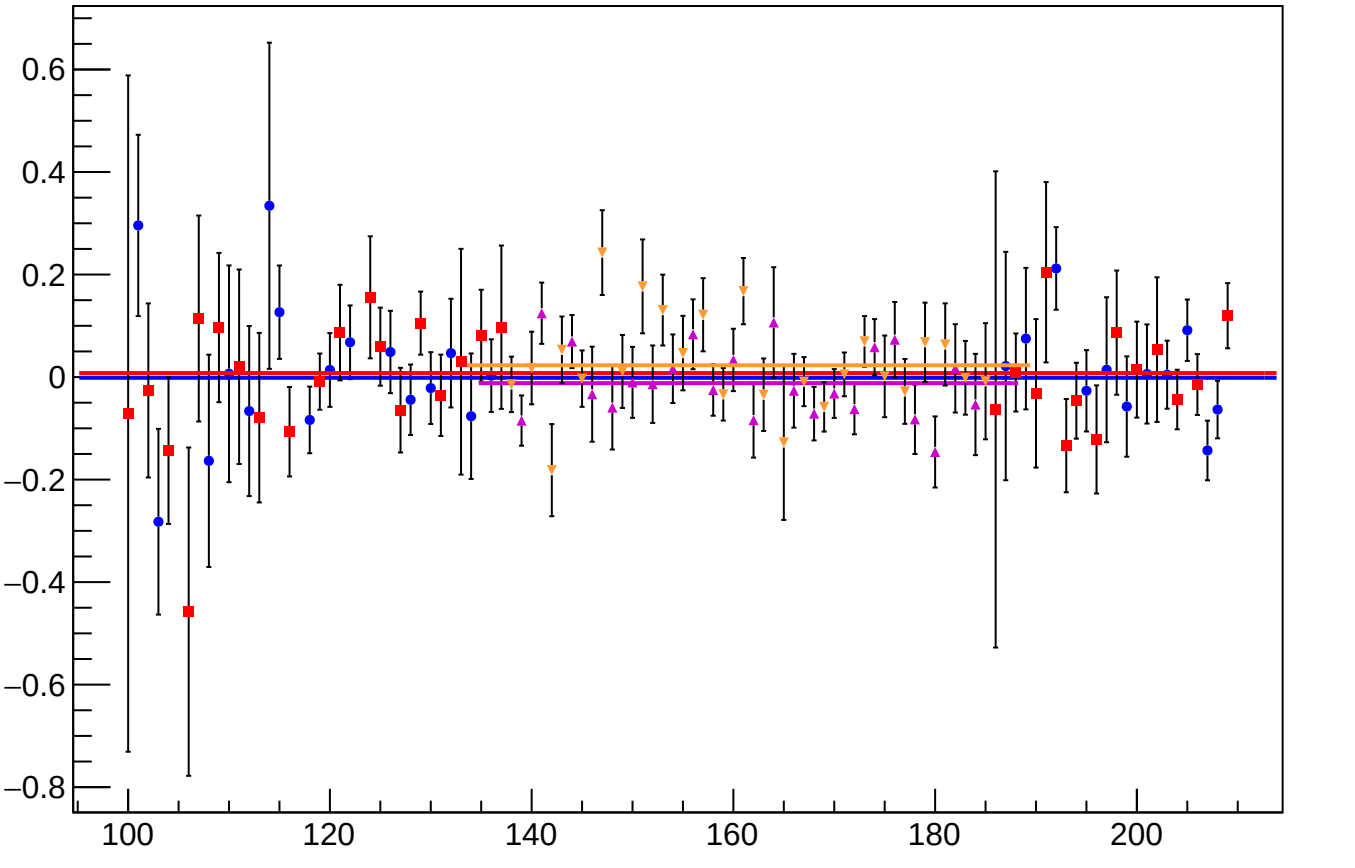
Right Out: 63.160+/-0.012 χ^2/NDF: 4306980.6/31

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.746+/-0.007 χ^2/NDF: 5530969.5/51

All: 57.325+/-0.005 χ^2/NDF: 11353802.8/106

- sign 57.926+/-0.007 χ^2/NDF: 5809765.8/54



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

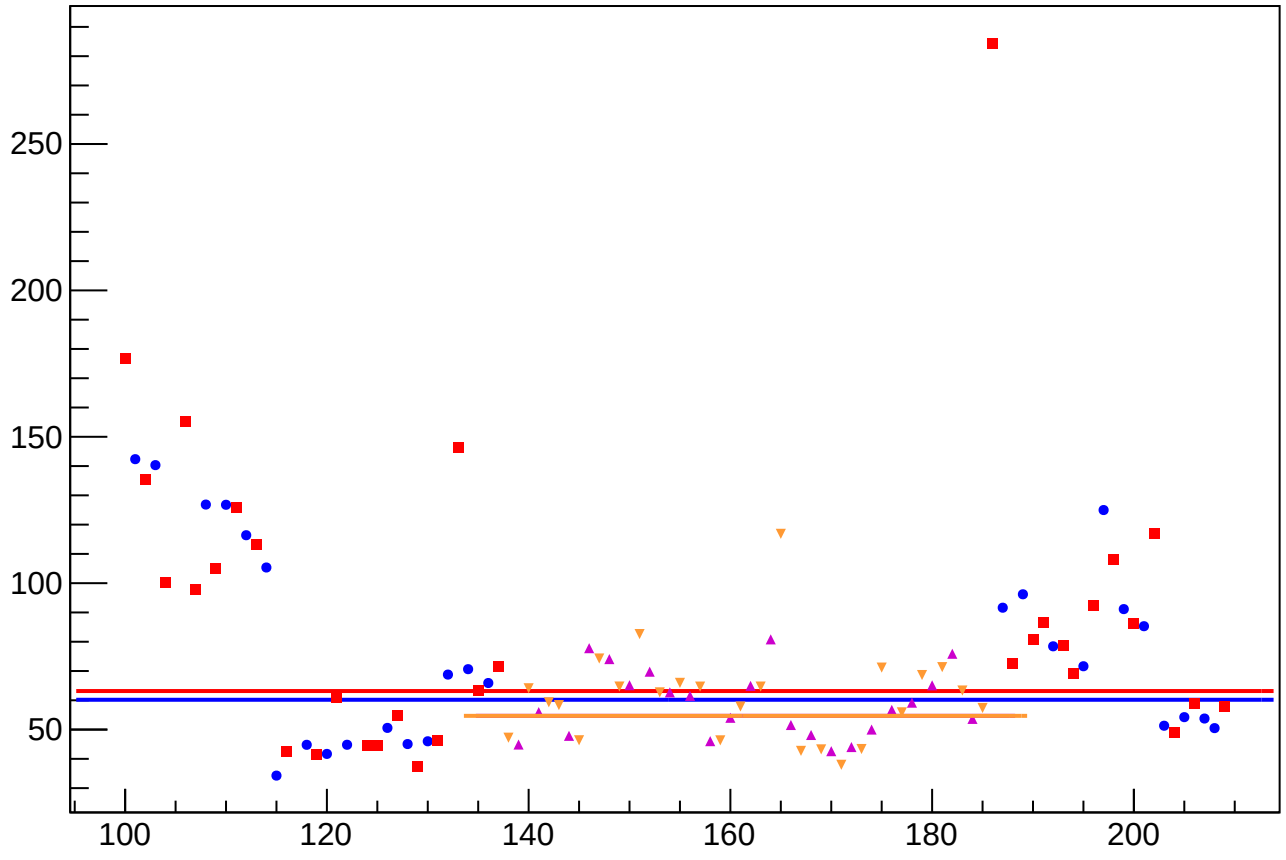
Right Out: 0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 66.0/51

All: 0.005+/-0.007 χ^2/NDF: 117.9/106

- sign -0.004+/-0.010 χ^2/NDF: 50.4/54



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.160+/-0.012 χ^2/NDF: 4306980.6/31

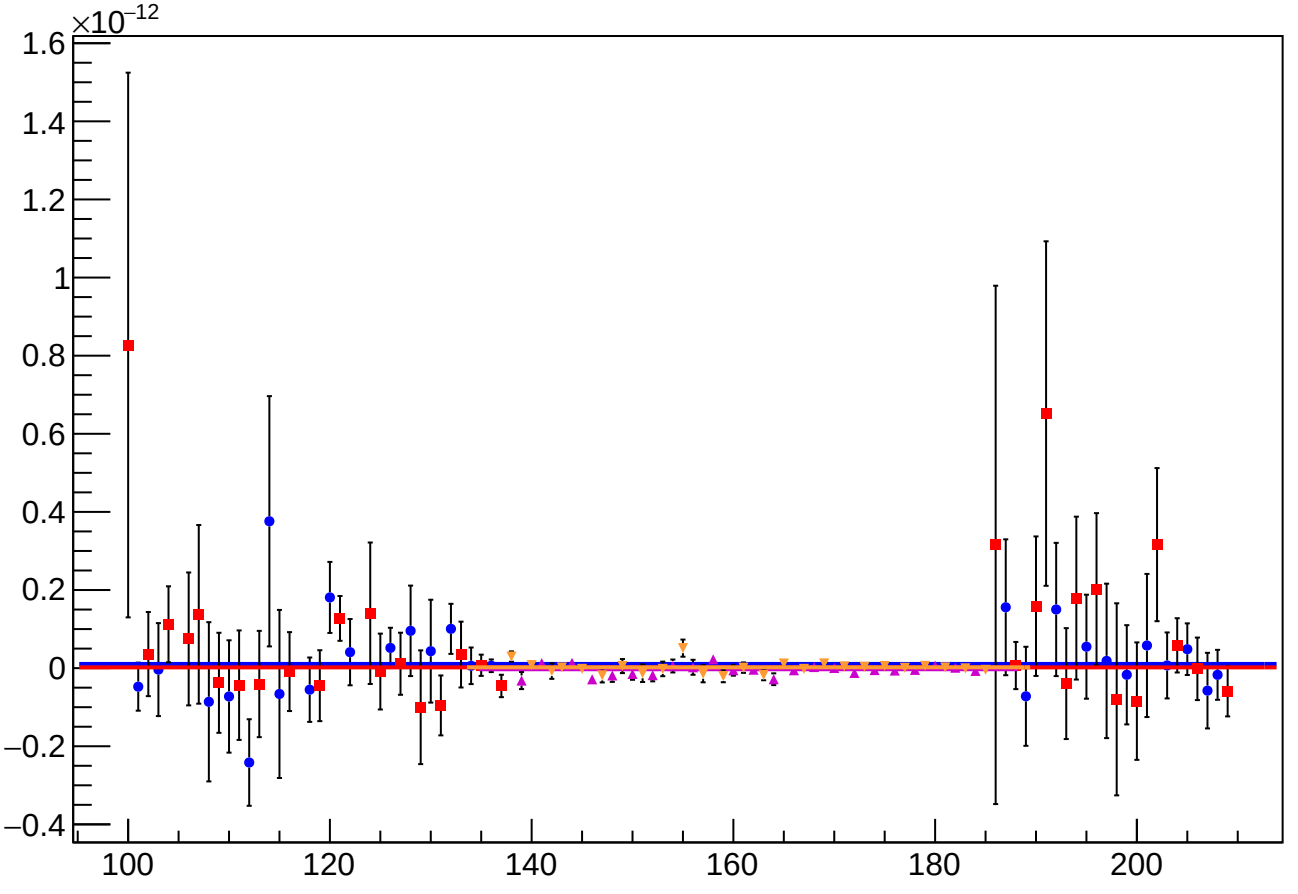
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.746+/-0.007 χ^2/NDF: 5530969.5/51

All: 57.325+/-0.005 χ^2/NDF: 11353802.8/106

- sign 57.926+/-0.007 χ^2/NDF: 5809765.8/54

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

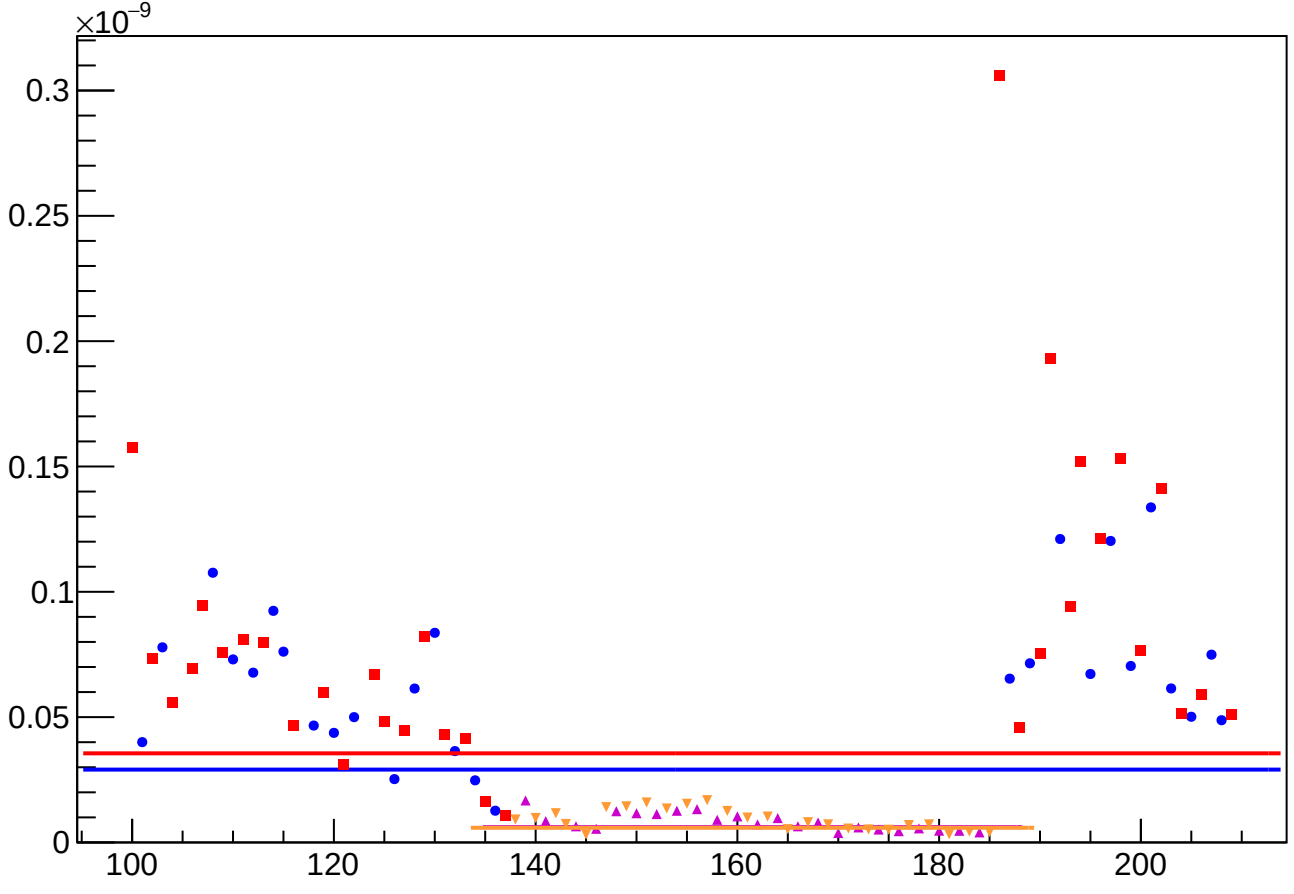
Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/31

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.9/51

All: -0.000+/-0.000 χ^2/NDF: 100.8/106

- sign -0.000+/-0.000 χ^2/NDF: 57.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 7655190.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7942456.7/31

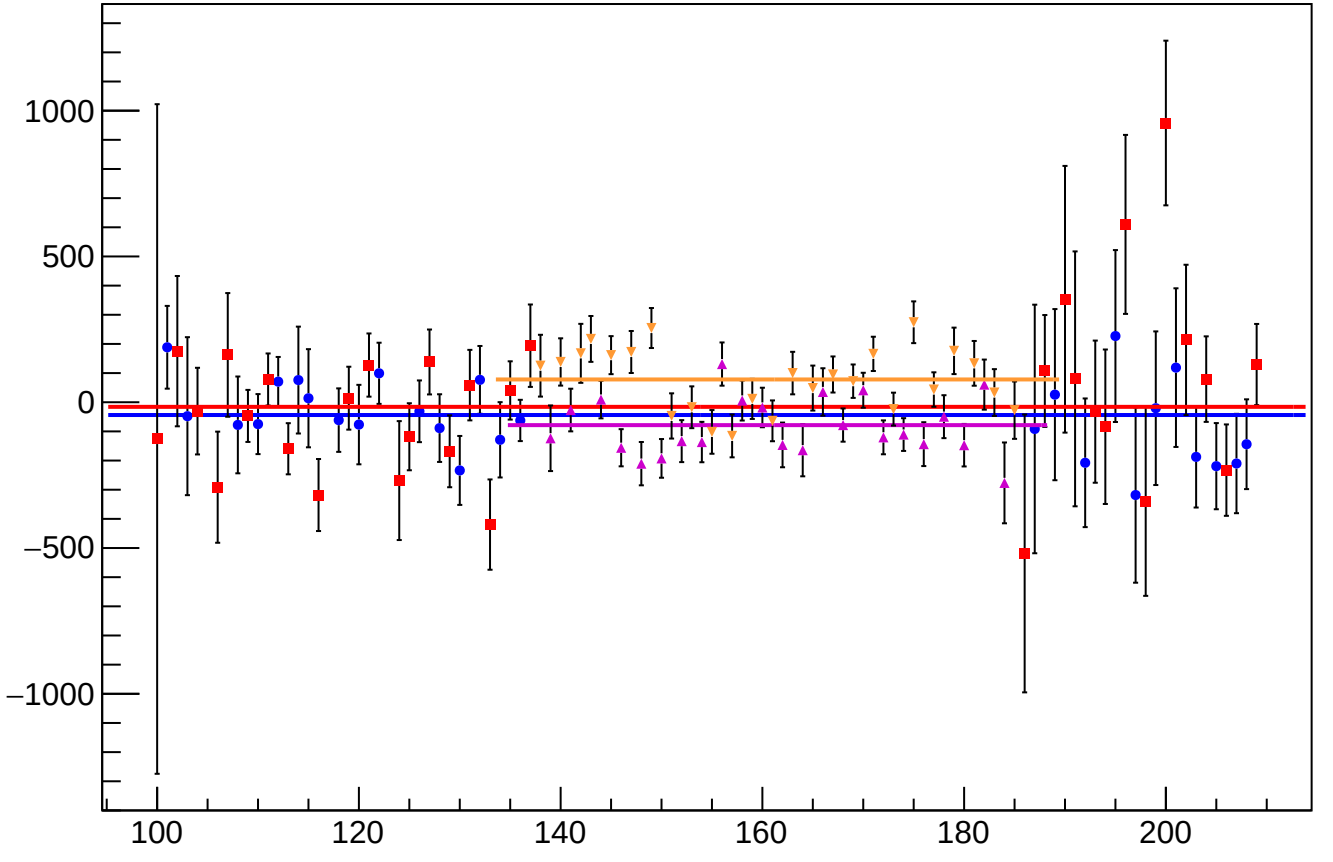
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20535030.0/51

All: 0.000+/-0.000 χ^2/NDF: 40756615.1/106

- sign 0.000+/-0.000 χ^2/NDF: 20198729.4/54

reg_asym_sam_37_avg_mean vs Slug



Right In: -43.822+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -15.794+/-25.869 χ^2/NDF: 54.1/31

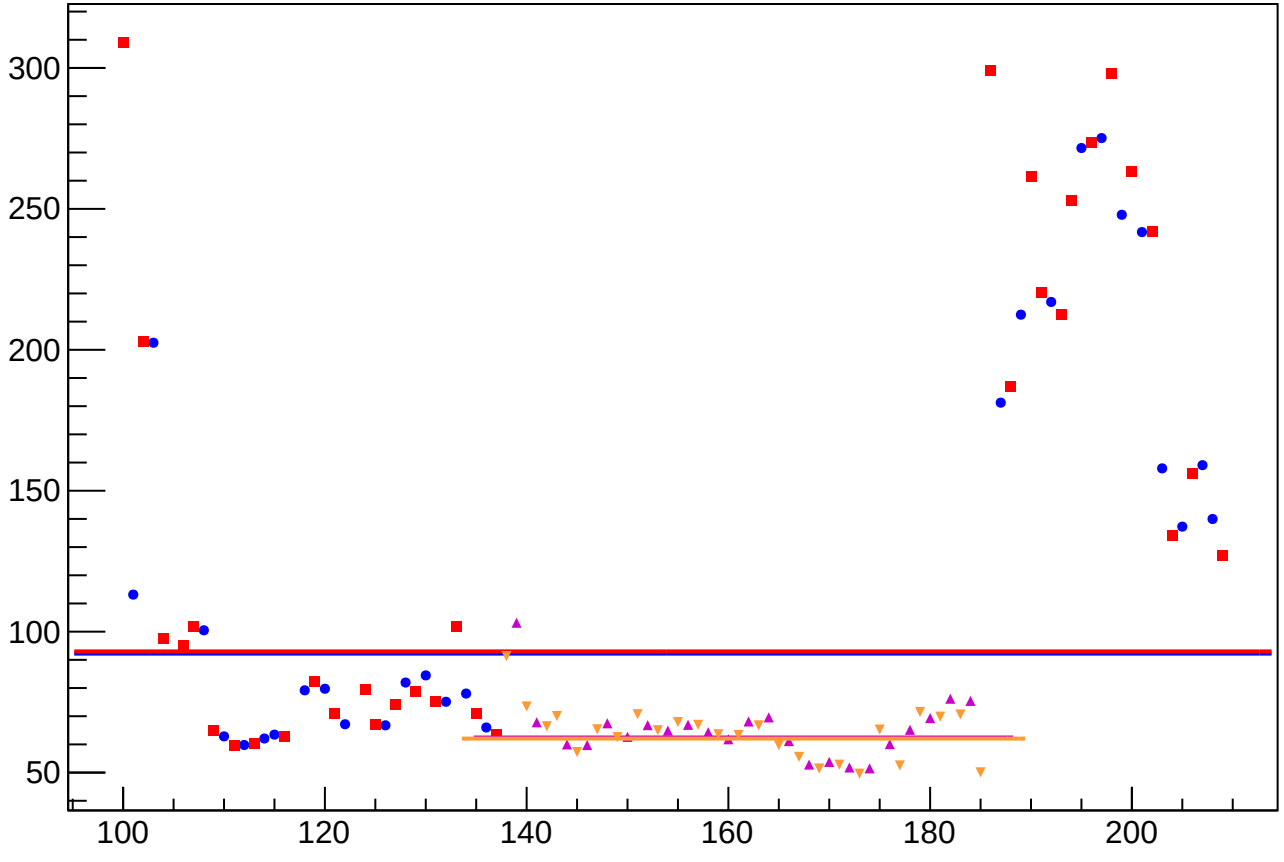
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 50.334+/-12.586 χ^2/NDF: 88.0/51

All: -5.153+/-8.993 χ^2/NDF: 222.9/106

- sign -63.024+/-12.854 χ^2/NDF: 95.2/54

reg_asym_sam_37_avg_rms vs Slug



Right In: 92.222+/-0.019 χ^2/NDF: 6407824.3/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

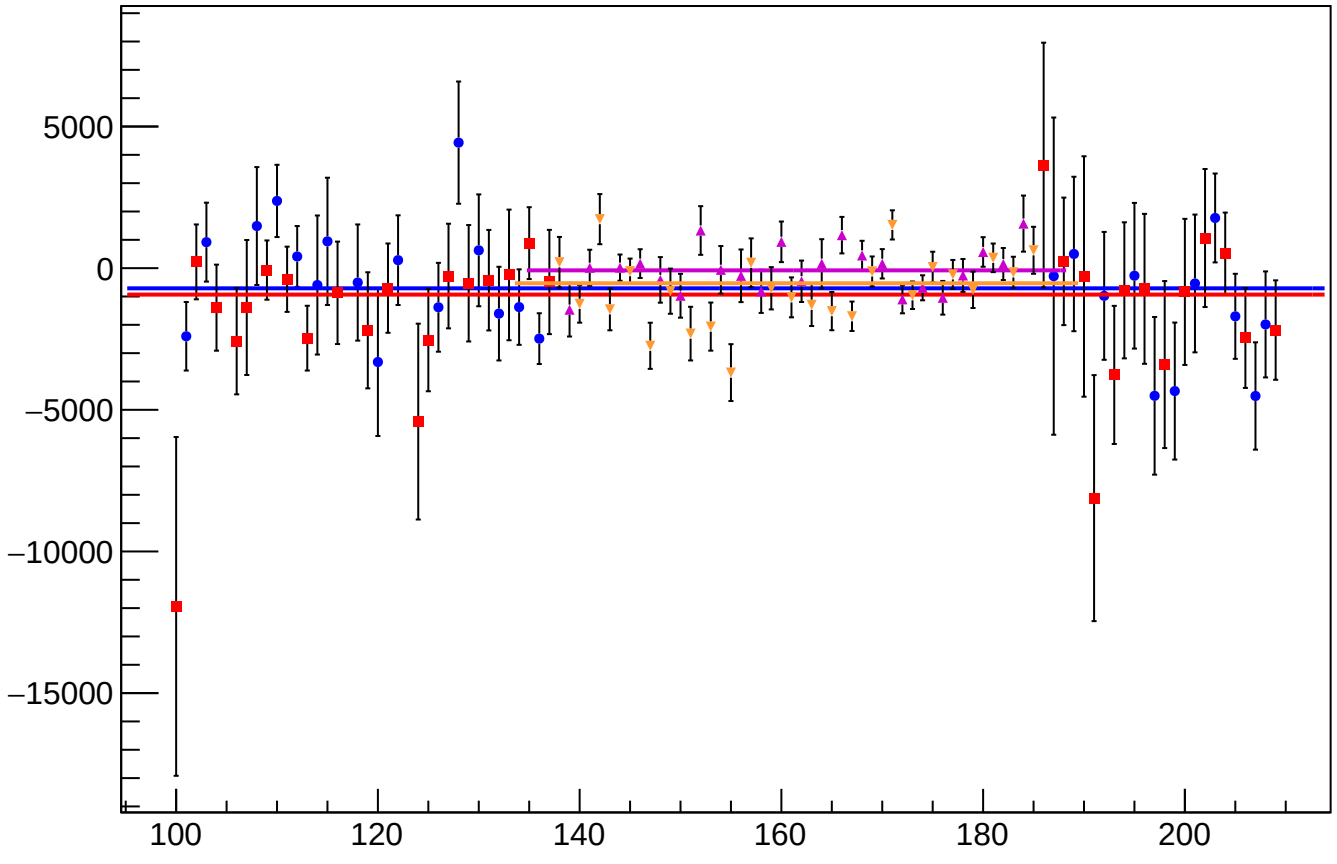
Right Out: 92.999+/-0.018 χ^2/NDF: 7832546.7/31

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 68.942+/-0.009 χ^2/NDF: 9116428.5/51

All: 69.454+/-0.006 χ^2/NDF: 19721497.0/106

- sign 69.988+/-0.009 χ^2/NDF: 10598307.8/54



Right In: -711.518+/-324.306 χ^2/NDF: 35.9/26

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -933.363+/-322.333 χ^2/NDF: 22.3/31

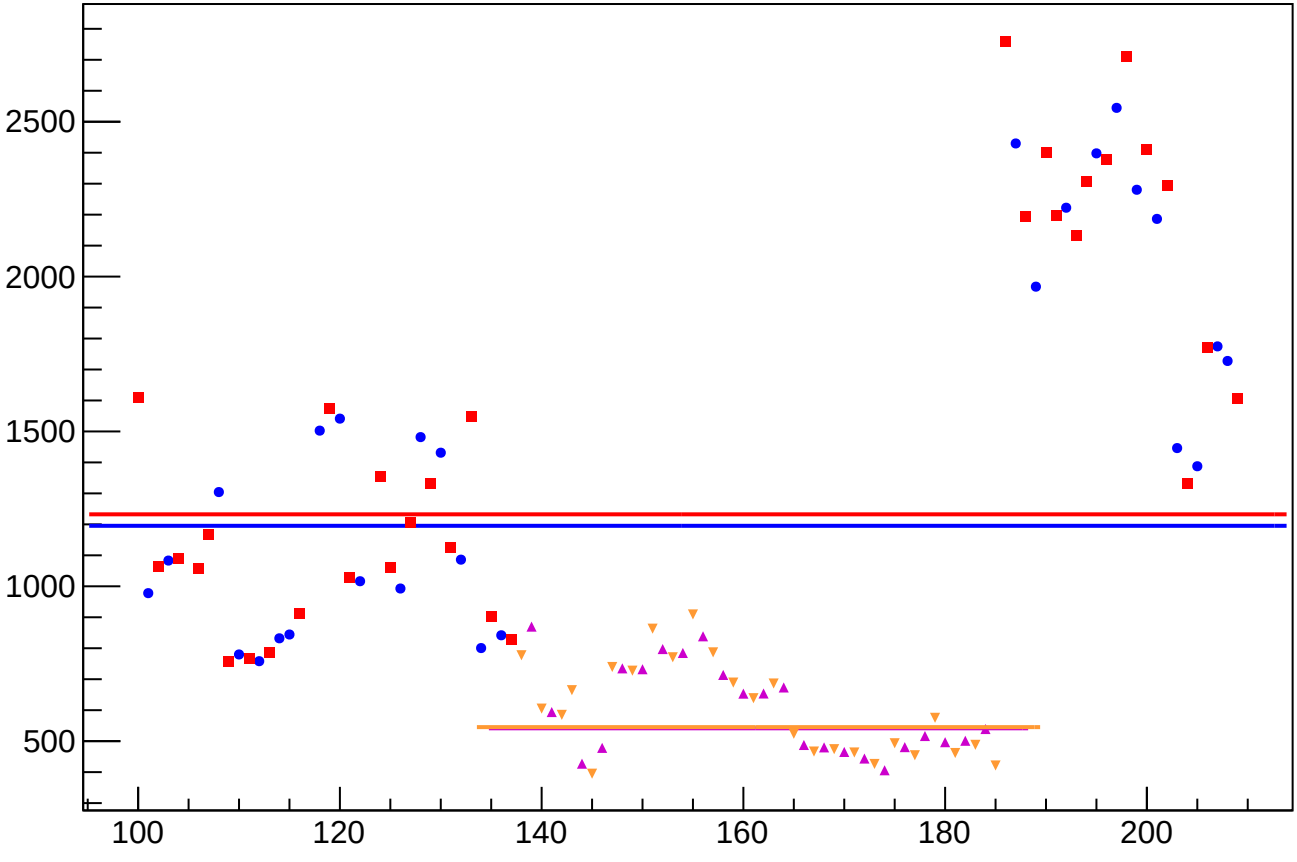
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -556.846+/-119.003 χ^2/NDF: 105.3/51

All: -379.964+/-84.782 χ^2/NDF: 166.4/106

- sign -197.648+/-120.817 χ^2/NDF: 56.7/54

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1195.316+/-0.229 χ^2/NDF: 4164635.5/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1232.400+/-0.228 χ^2/NDF: 5072423.1/31

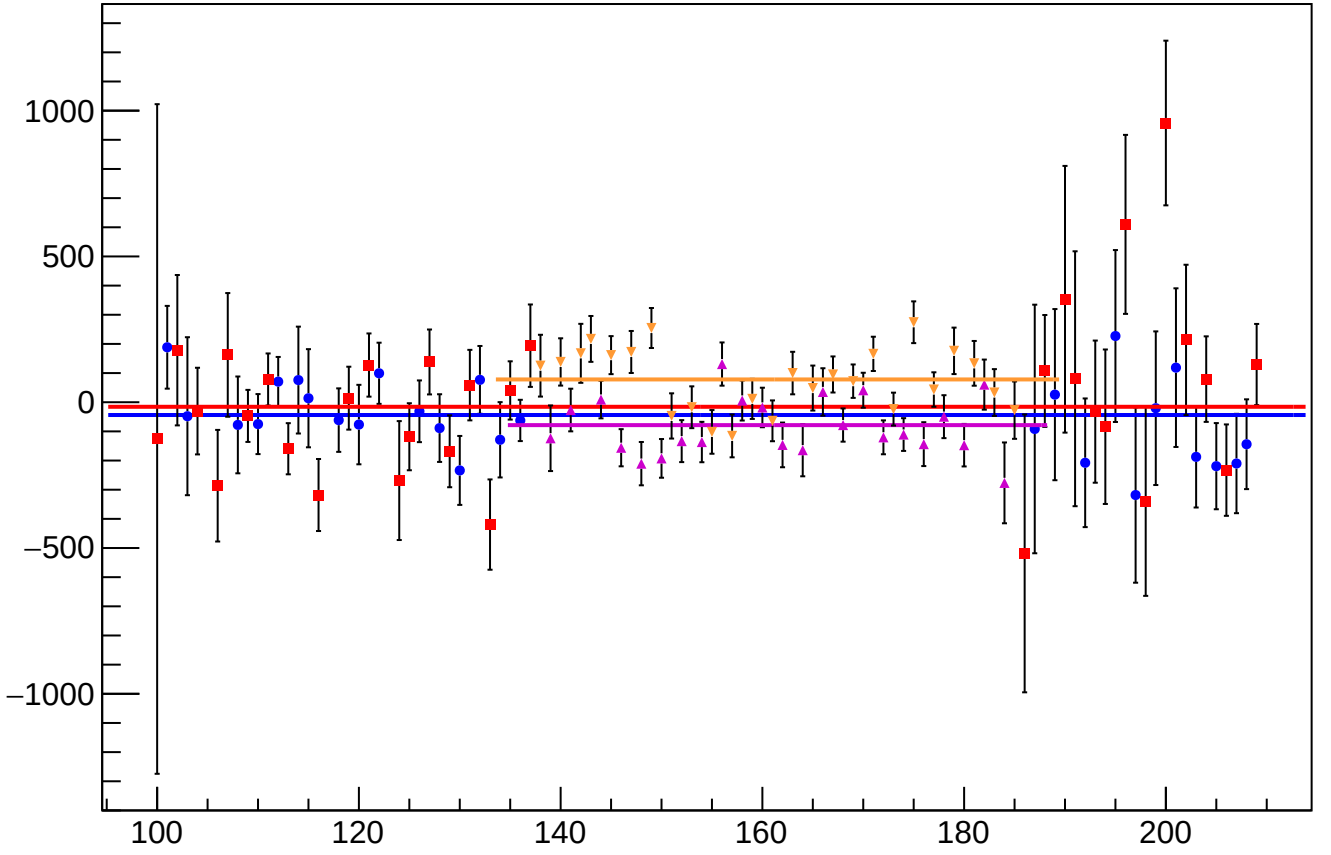
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF: 13201064.4/51

All: 635.635+/-0.060 χ^2/NDF: 28014770.7/10

- sign 638.528+/-0.085 χ^2/NDF: 14811446.6/54

cor_asym_sam_37_avg_mean vs Slug



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -15.626+/-25.871 χ^2/NDF: 54.0/31

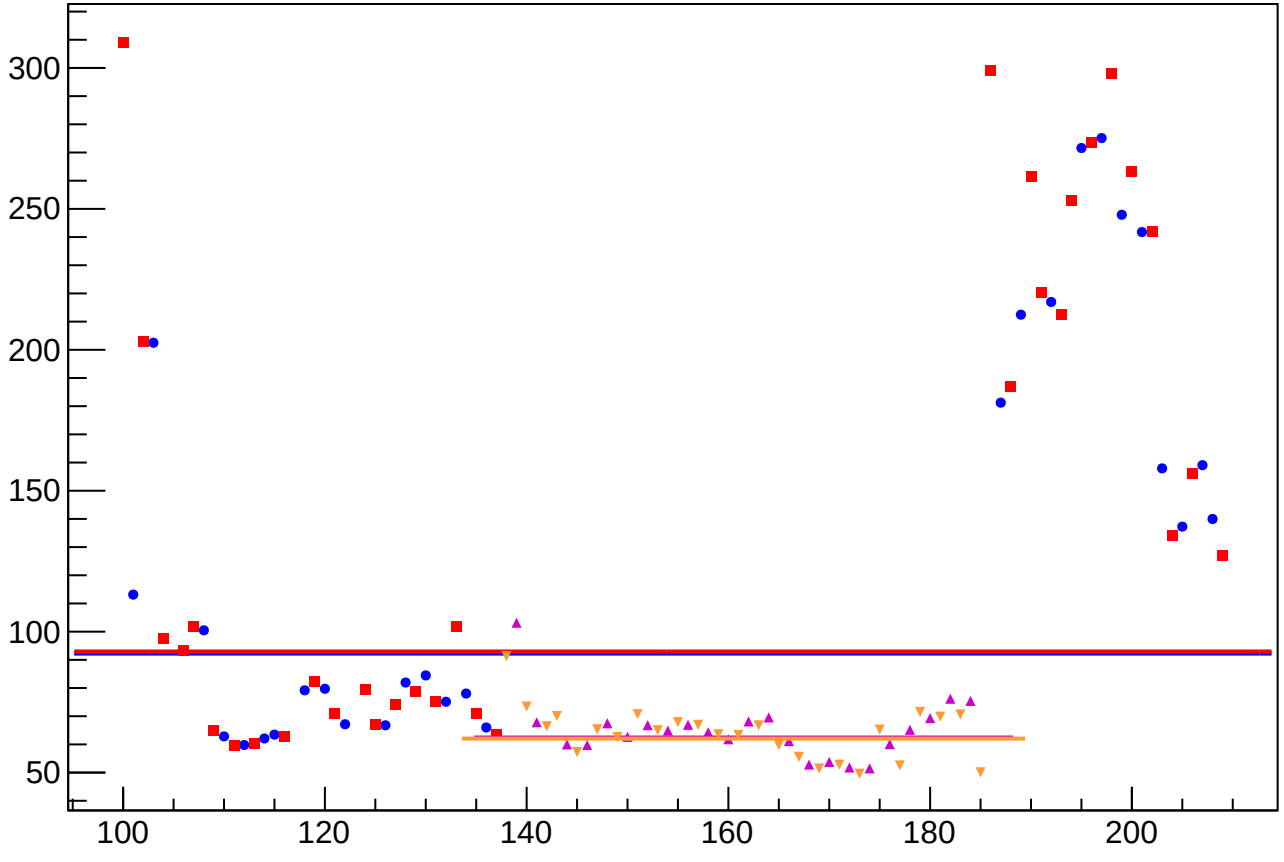
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 50.335+/-12.586 χ^2/NDF: 88.0/51

All: -5.132+/-8.993 χ^2/NDF: 222.8/106

- sign -62.985+/-12.854 χ^2/NDF: 95.1/54

cor_asym_sam_37_avg_rms vs Slug



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 92.967+/-0.018 χ^2/NDF: 7832546.3/31

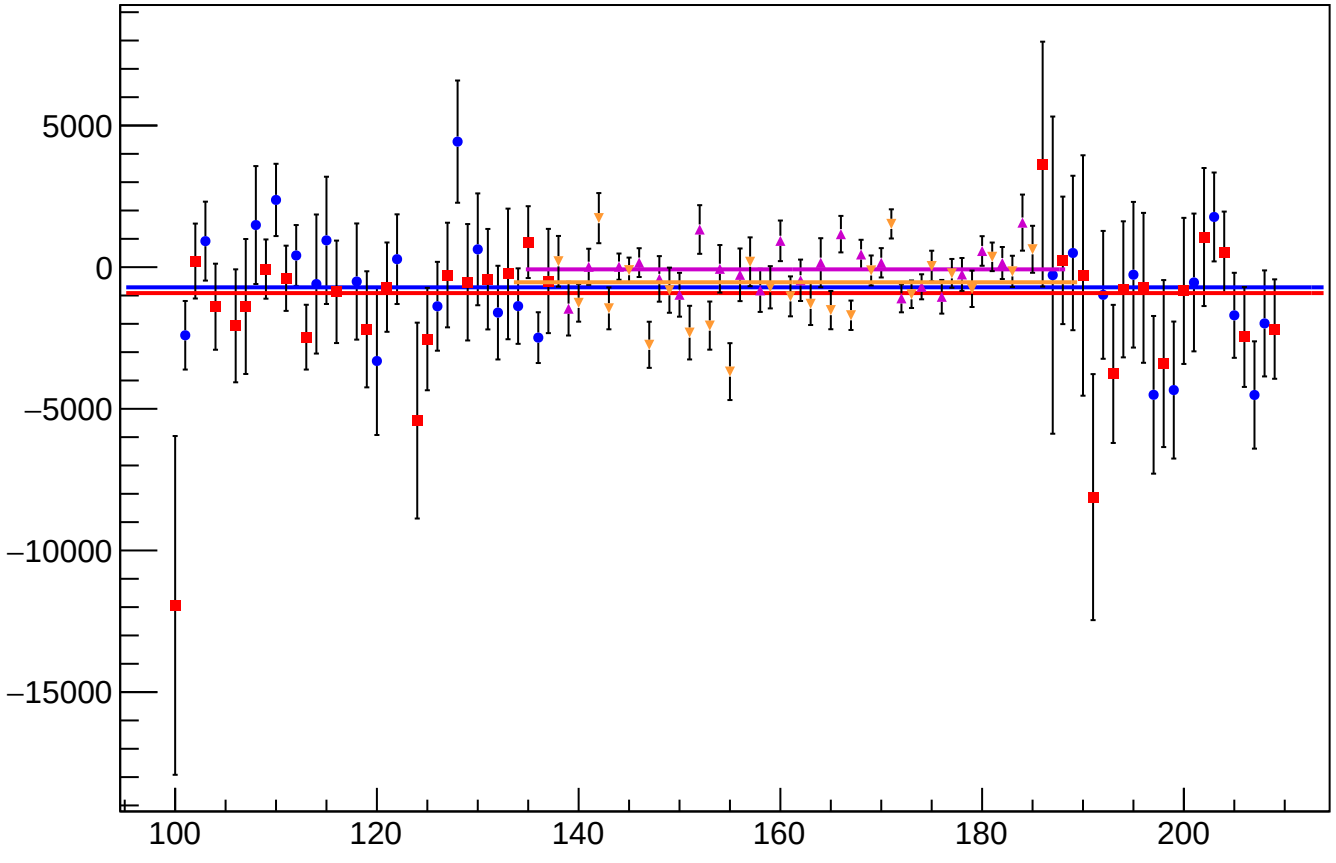
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 68.942+/-0.009 χ^2/NDF: 9116430.4/51

All: 69.450+/-0.006 χ^2/NDF: 19716806.4/106

- sign 69.979+/-0.009 χ^2/NDF: 10593727.5/54

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -711.511+/-324.308 χ^2/NDF: 35.9/26

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

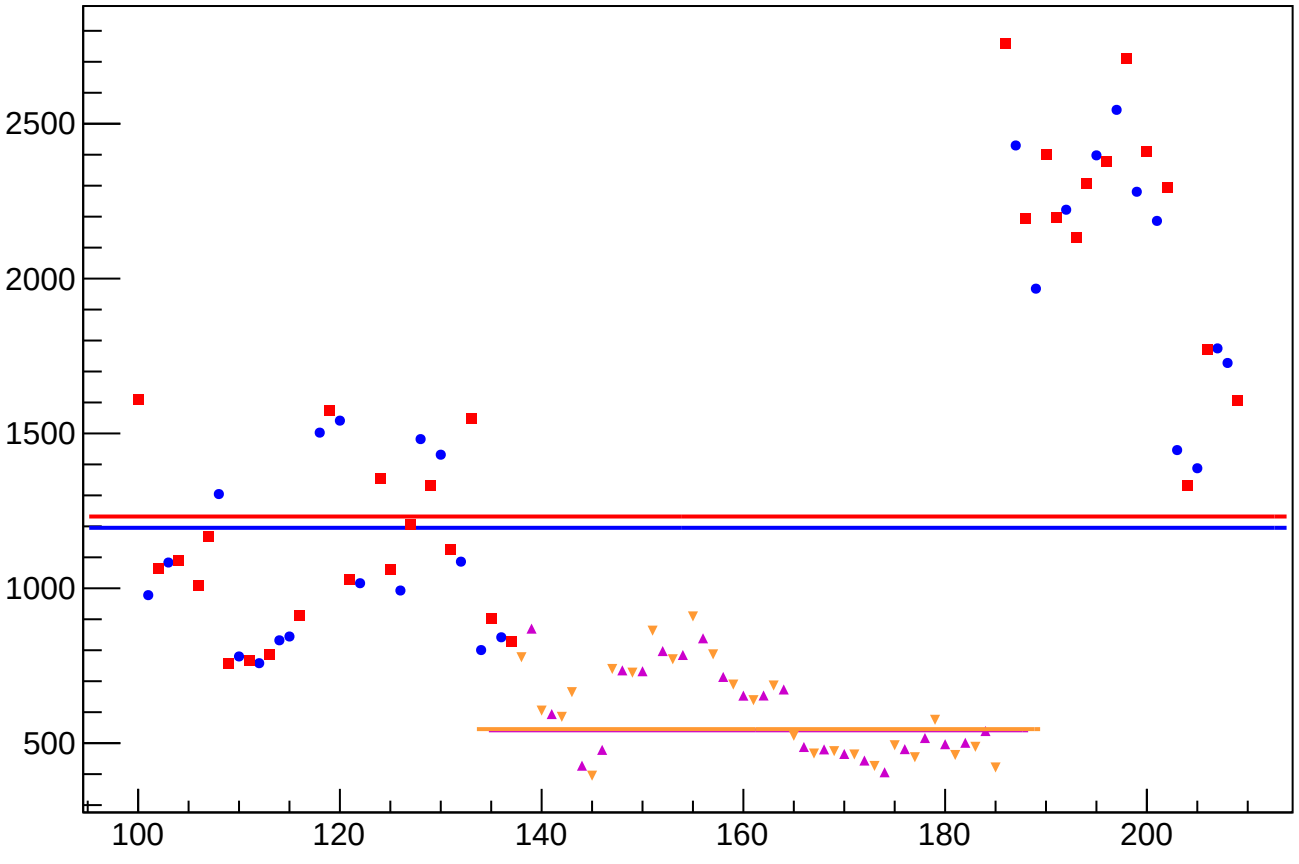
Right Out: -915.148+/-322.887 χ^2/NDF: 21.8/31

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -556.842+/-119.003 χ^2/NDF: 105.3/51

All: -378.575+/-84.792 χ^2/NDF: 165.8/106

- sign -194.741+/-120.846 χ^2/NDF: 56.0/54



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1231.785+/-0.228 χ^2/NDF: 5079746.3/31

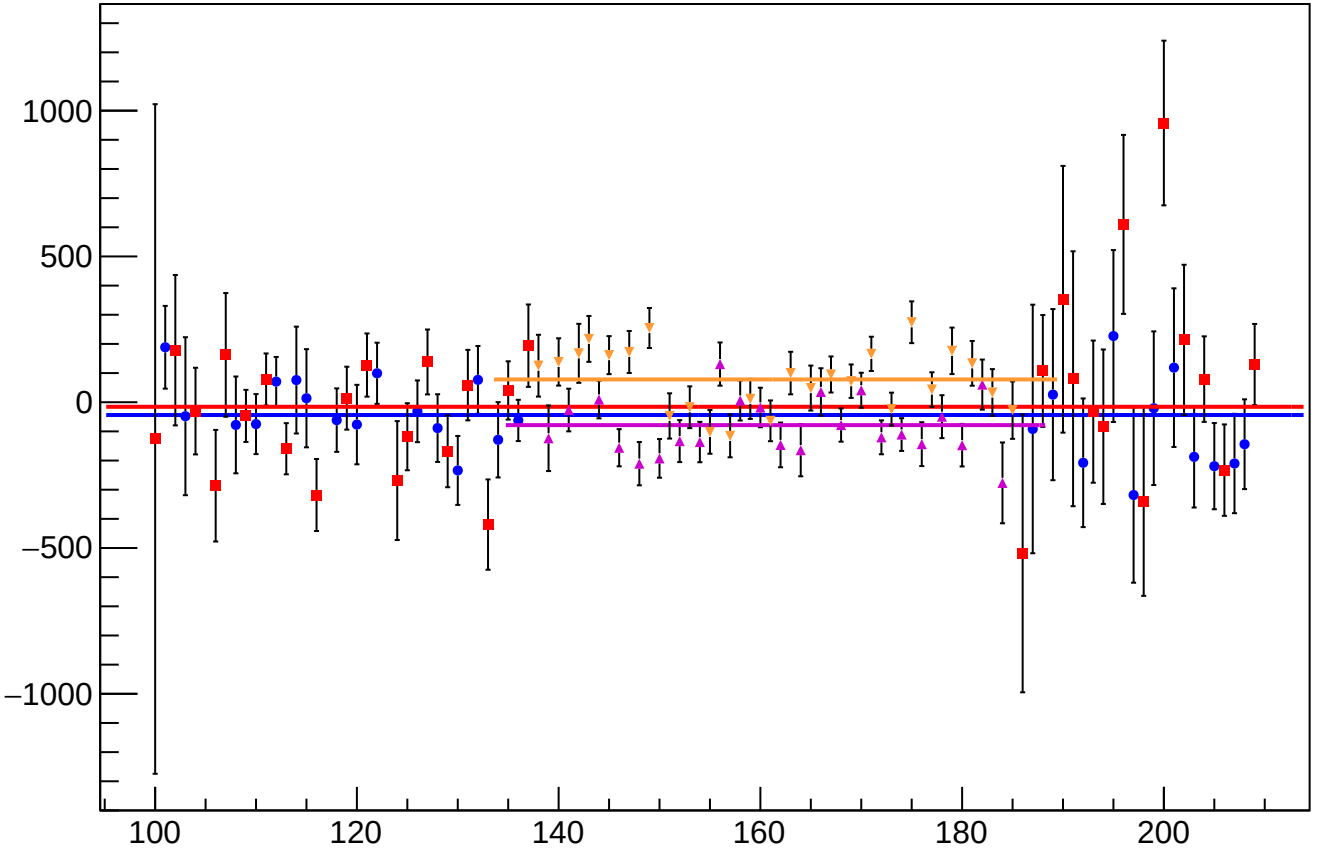
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF: 13201119.5/51

All: 635.451+/-0.060 χ^2/NDF: 27984571.2/10

- sign 638.156+/-0.085 χ^2/NDF: 14781477.9/54

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -15.626+/-25.871 χ^2/NDF: 54.0/31

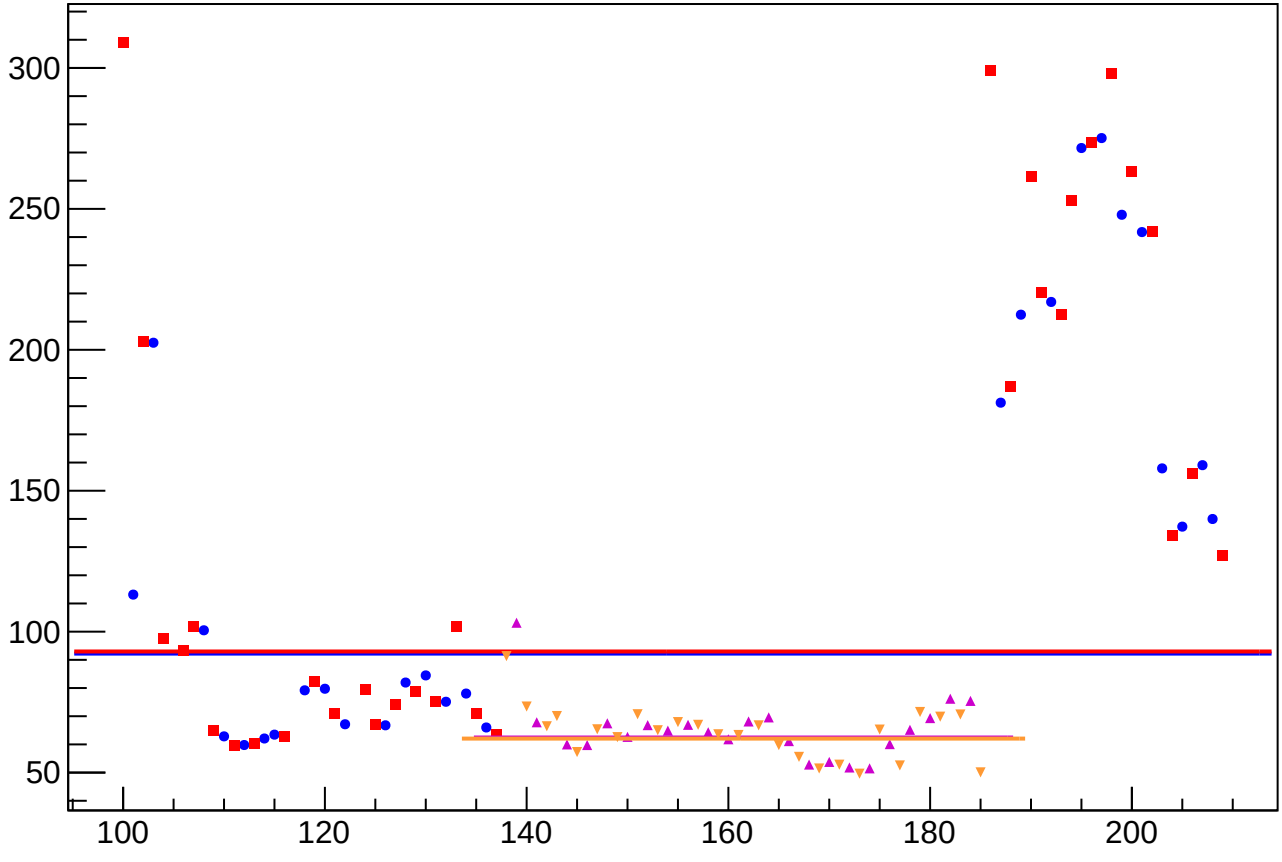
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 50.335+/-12.586 χ^2/NDF: 88.0/51

All: -5.132+/-8.993 χ^2/NDF: 222.8/106

- sign -62.985+/-12.854 χ^2/NDF: 95.1/54

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

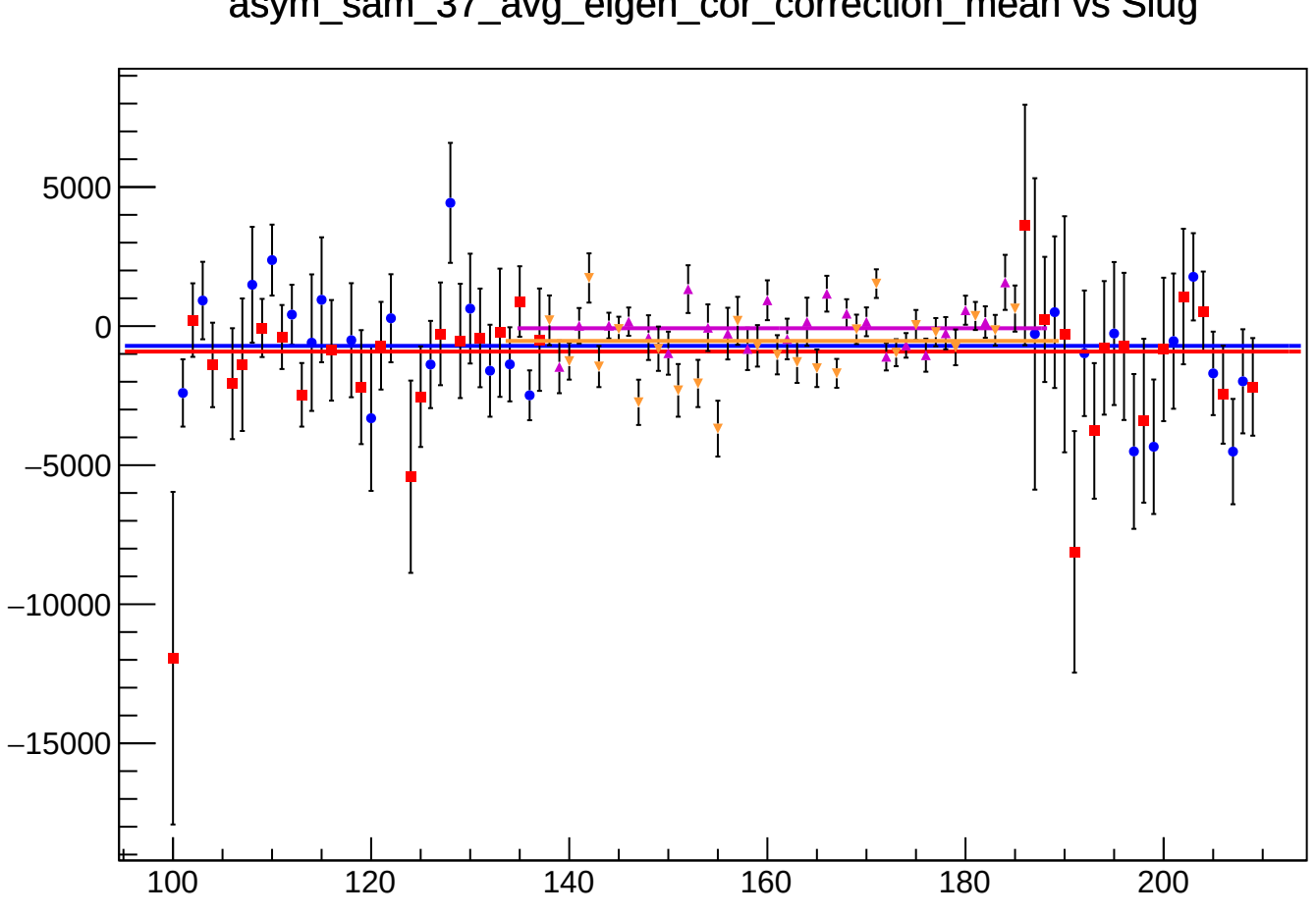
Right Out: 92.967+/-0.018 χ^2/NDF: 7832546.3/31

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 68.942+/-0.009 χ^2/NDF: 9116430.4/51

All: 69.450+/-0.006 χ^2/NDF: 19716806.4/106

- sign 69.979+/-0.009 χ^2/NDF: 10593727.5/54



Right In: -711.511+/-324.308 χ^2/NDF: 35.9/26

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

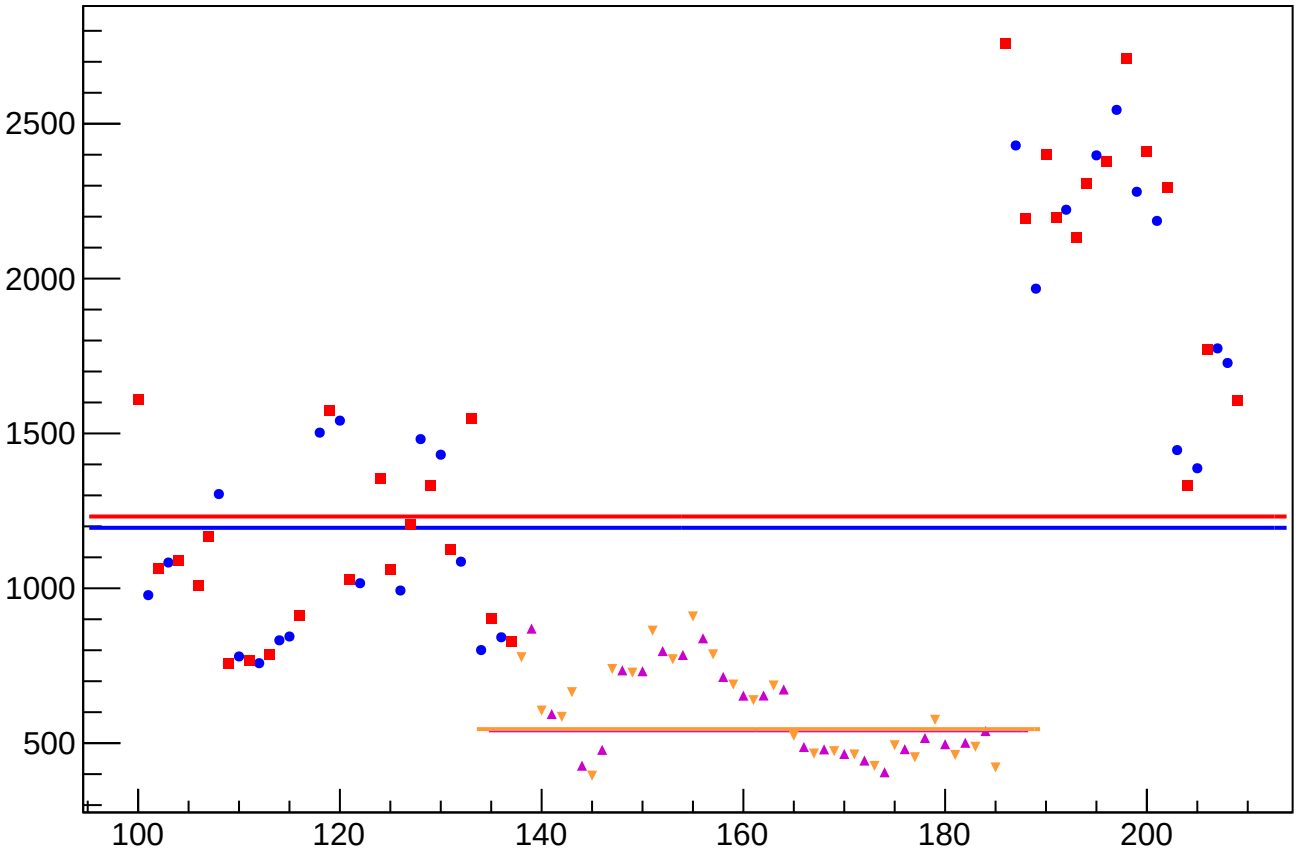
Right Out: -915.148+/-322.887 χ^2/NDF: 21.8/31

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -556.842+/-119.003 χ^2/NDF: 105.3/51

All: -378.575+/-84.792 χ^2/NDF: 165.8/106

- sign -194.741+/-120.846 χ^2/NDF: 56.0/54



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1231.785+/-0.228 χ^2/NDF: 5079746.3/31

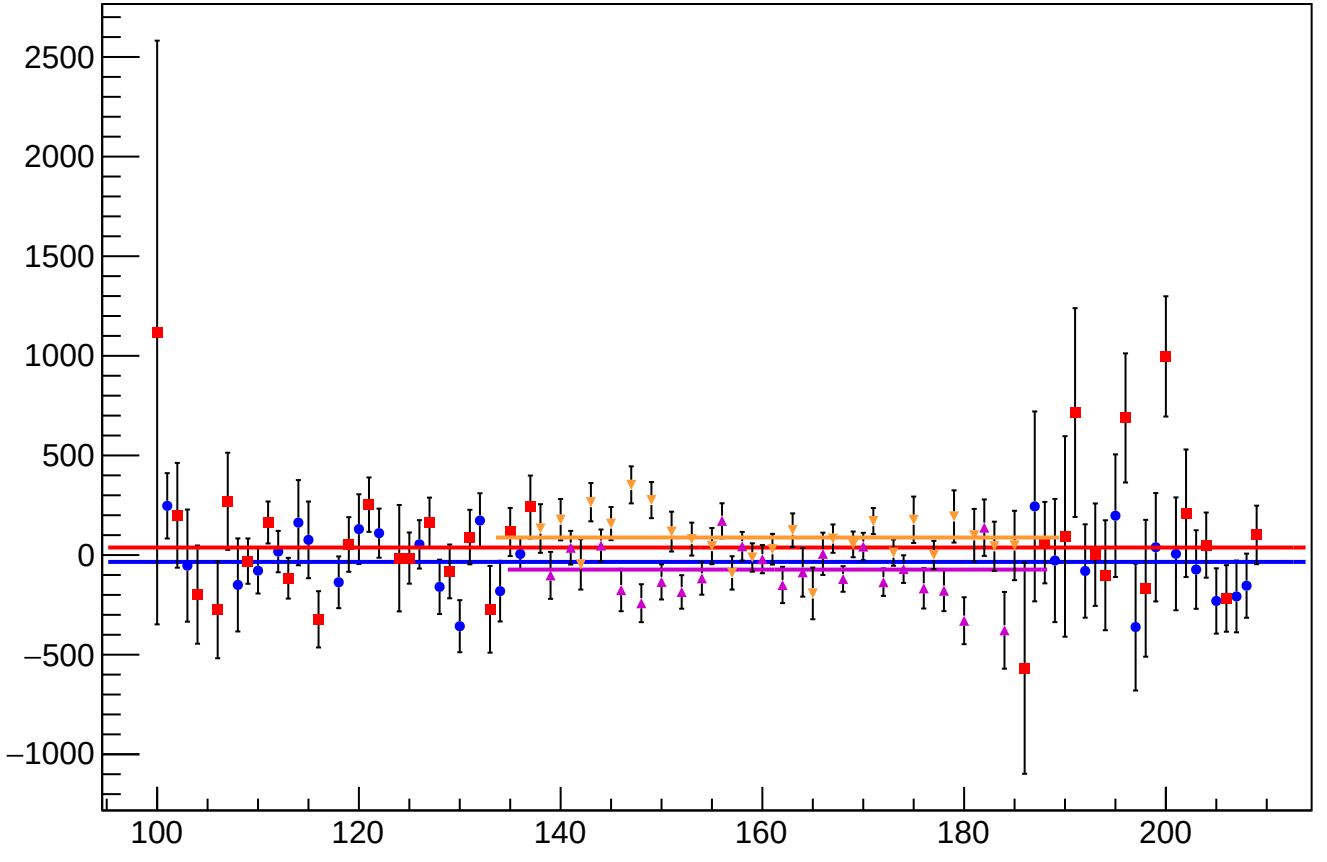
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 632.828+/-0.084 χ^2/NDF: 13201119.5/51

All: 635.451+/-0.060 χ^2/NDF: 27984571.2/10

- sign 638.156+/-0.085 χ^2/NDF: 14781477.9/54

dit_asym_sam_37_avg_mean vs Slug



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 37.861+/-30.386 χ^2/NDF: 44.3/31

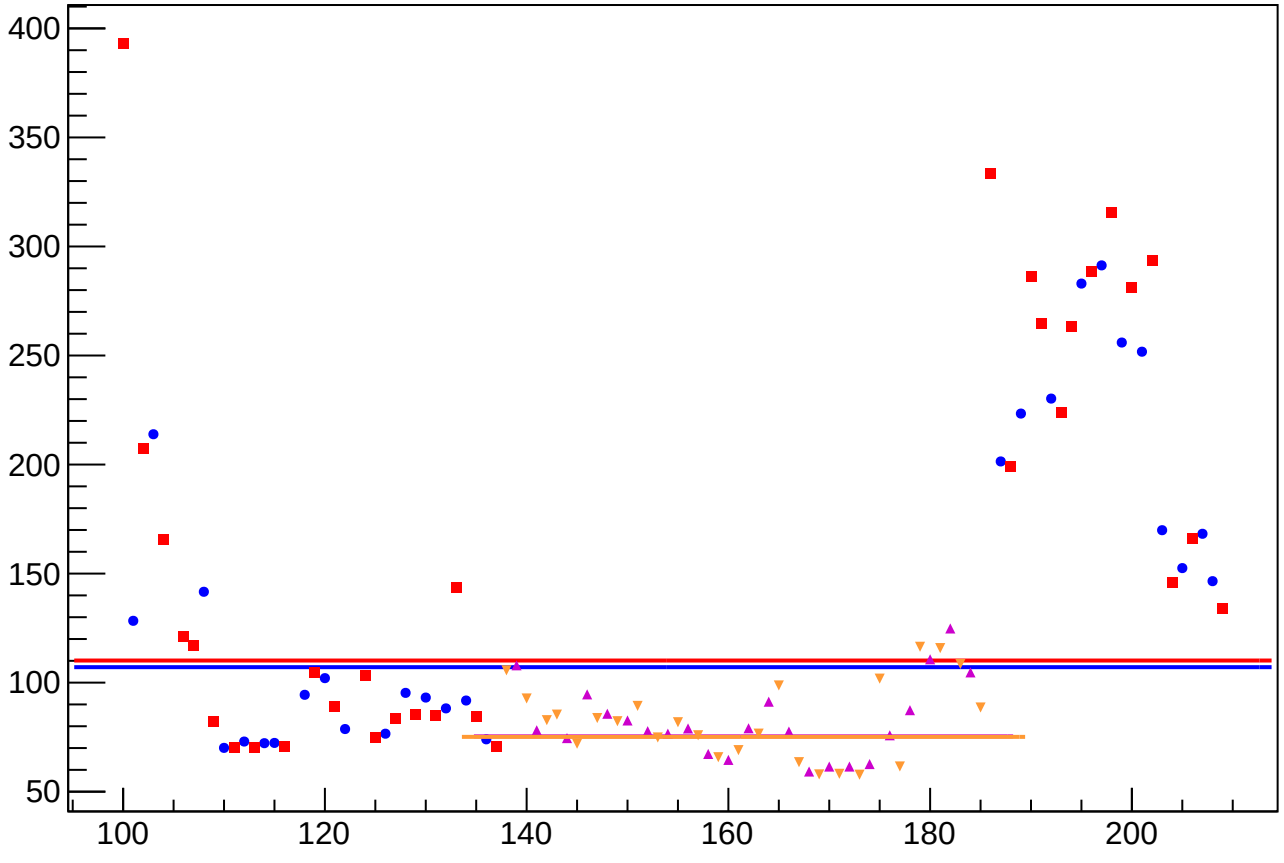
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 56.786+/-15.312 χ^2/NDF: 72.7/51

All: 7.803+/-10.949 χ^2/NDF: 186.1/106

- sign -43.439+/-15.661 χ^2/NDF: 92.5/54

dit_asym_sam_37_avg_rms vs Slug



Right In: 107.089+/-0.021 χ^2/NDF: 5664502.9/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

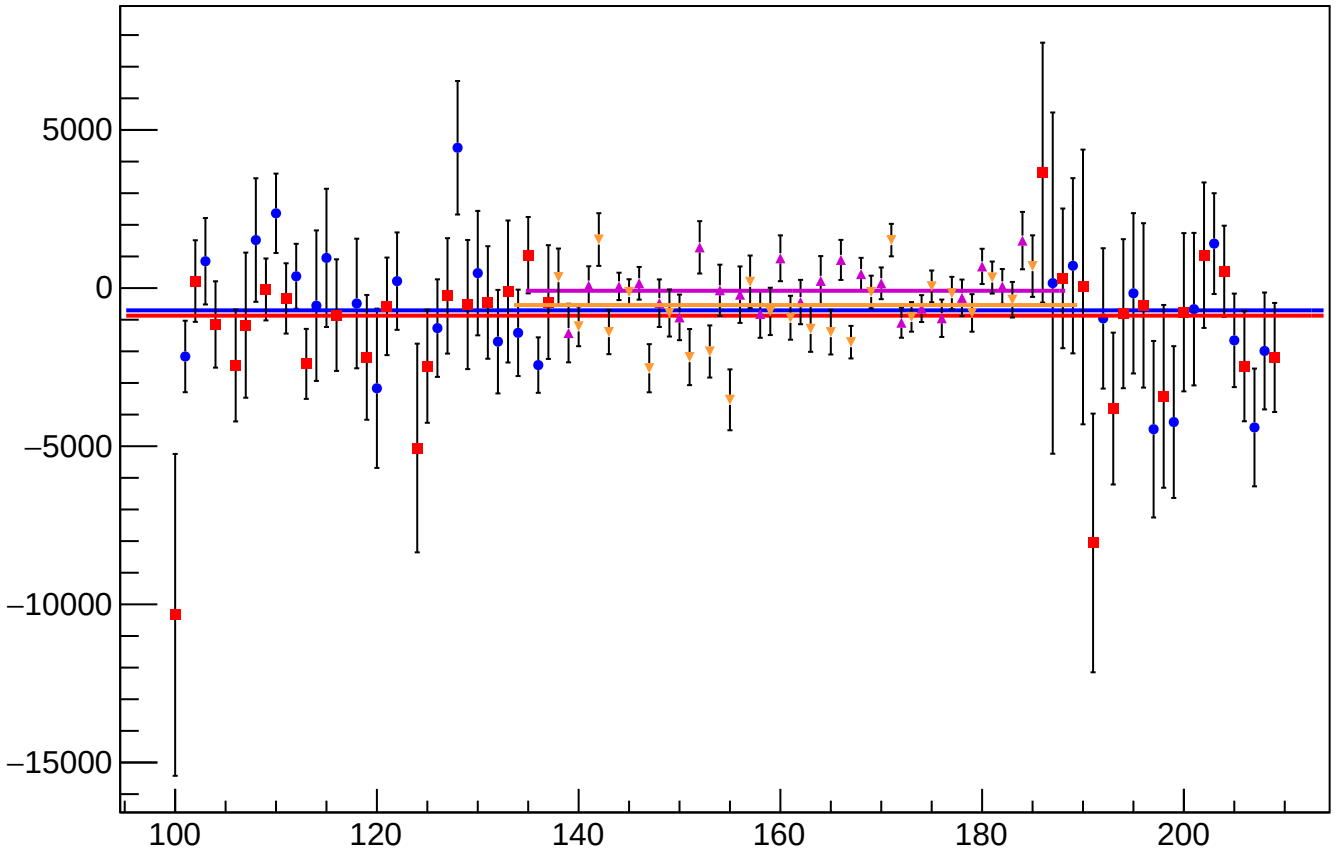
Right Out: 110.138+/-0.021 χ^2/NDF: 7154300.3/31

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 83.289+/-0.011 χ^2/NDF: 8922825.3/51

All: 83.930+/-0.008 χ^2/NDF: 19233165.4/106

- sign 84.601+/-0.011 χ^2/NDF: 10303172.2/54



Right In: -704.174+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -871.235+/-311.523 χ^2/NDF: 23.7/31

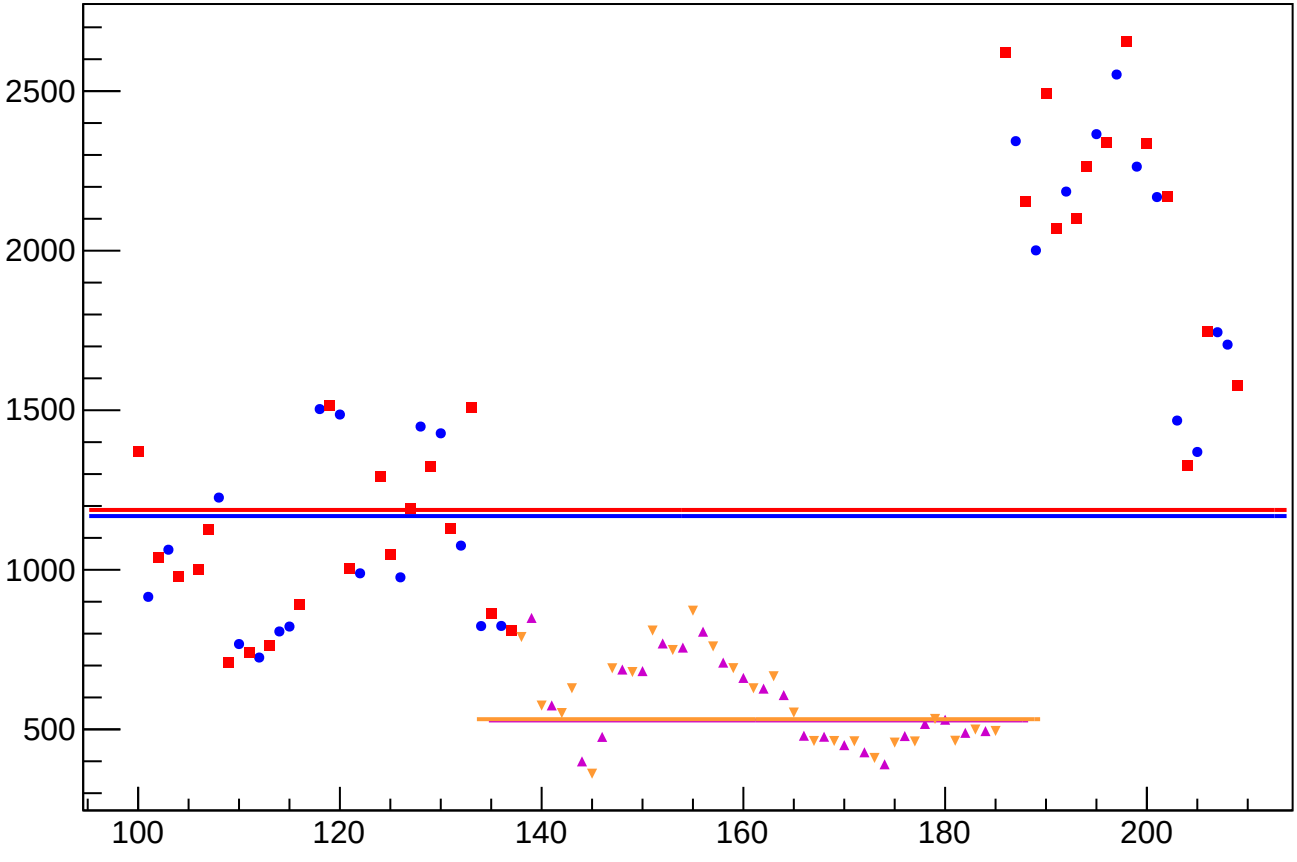
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -559.071+/-115.891 χ^2/NDF: 102.4/51

All: -380.650+/-82.557 χ^2/NDF: 163.8/106

- sign -196.824+/-117.634 χ^2/NDF: 56.6/54

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1168.378+/-0.225 χ^2/NDF: 4304546.7/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1187.577+/-0.220 χ^2/NDF: 5265424.9/31

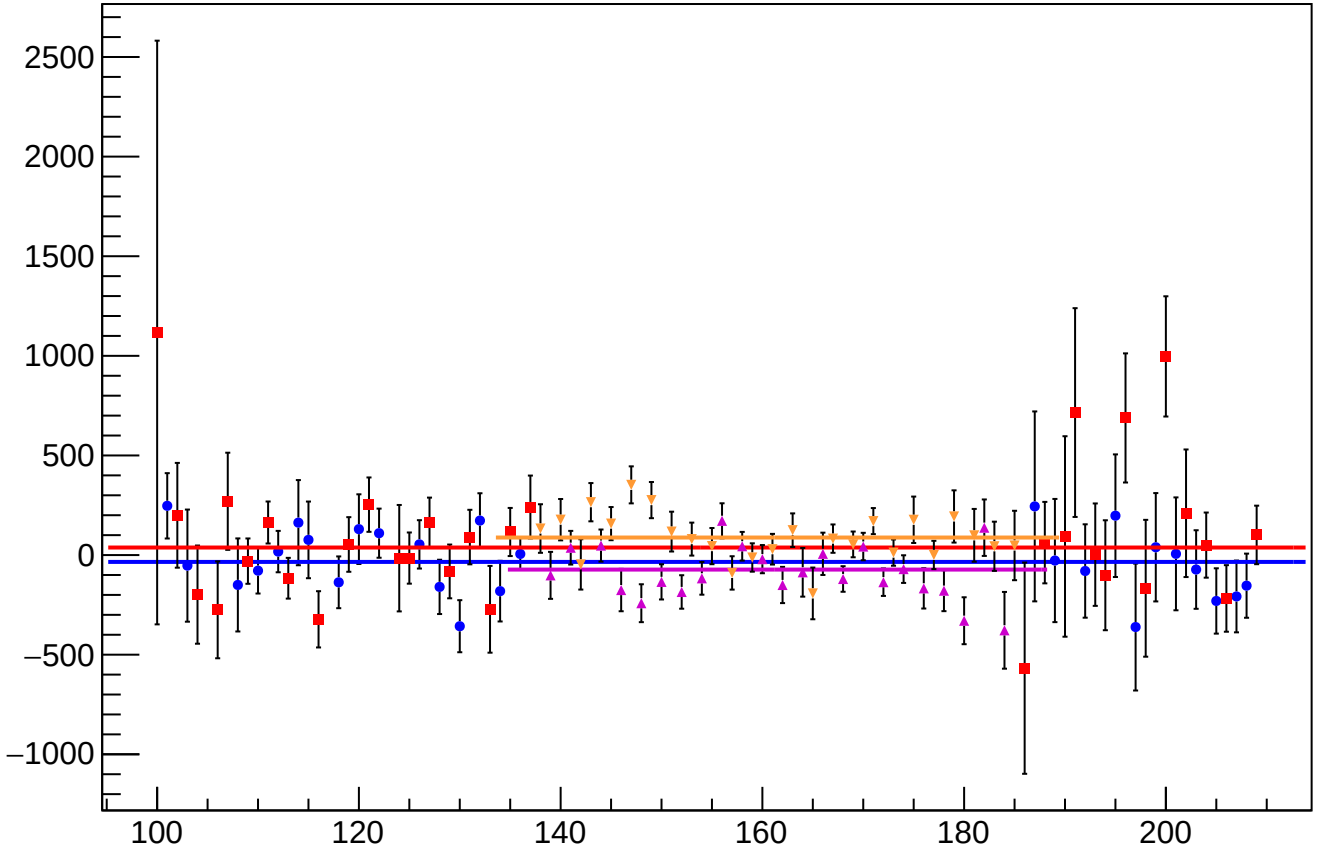
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 616.600+/-0.082 χ^2/NDF: 13304069.3/51

All: 619.277+/-0.058 χ^2/NDF: 28059666.0/10

- sign 622.036+/-0.083 χ^2/NDF: 14753429.5/54

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 37.864+/-30.386 χ^2/NDF: 44.3/31

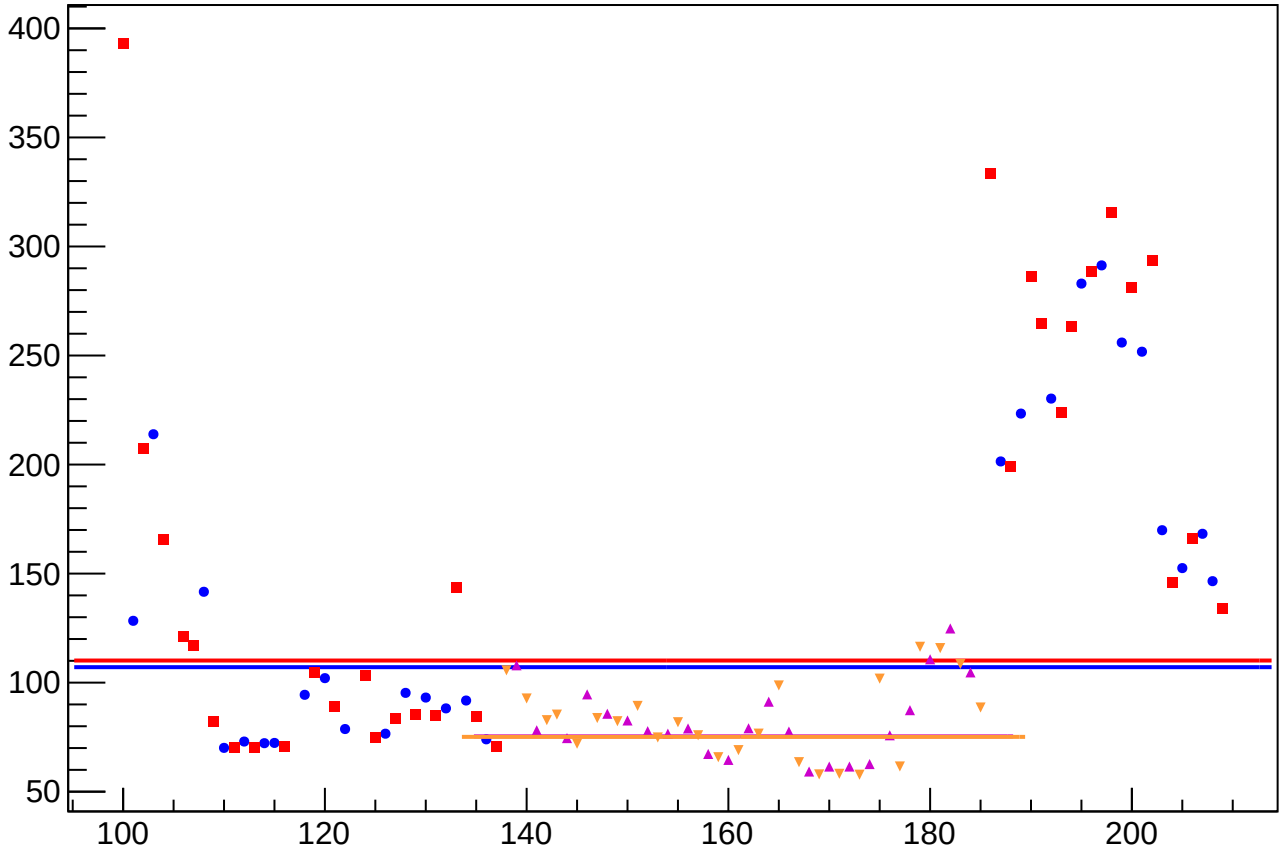
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 56.786+/-15.312 χ^2/NDF: 72.7/51

All: 7.803+/-10.949 χ^2/NDF: 186.1/106

- sign -43.438+/-15.661 χ^2/NDF: 92.5/54

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 107.089+/-0.021 χ^2/NDF: 5664465.5/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

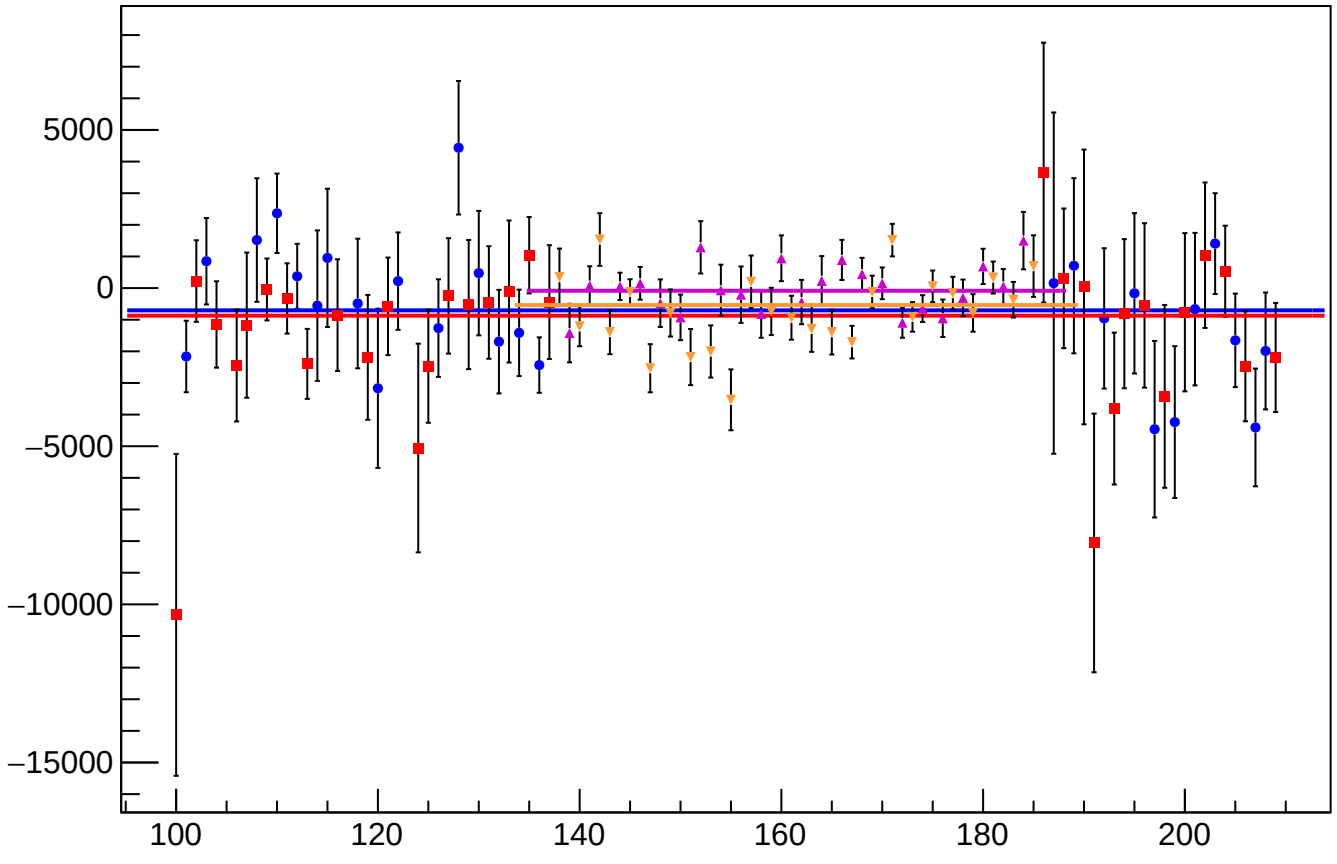
Right Out: 110.138+/-0.021 χ^2/NDF: 7154263.7/31

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 83.290+/-0.011 χ^2/NDF: 8922796.5/51

All: 83.931+/-0.008 χ^2/NDF: 19233120.7/106

- sign 84.601+/-0.011 χ^2/NDF: 10303156.4/54



Right In: -704.171+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

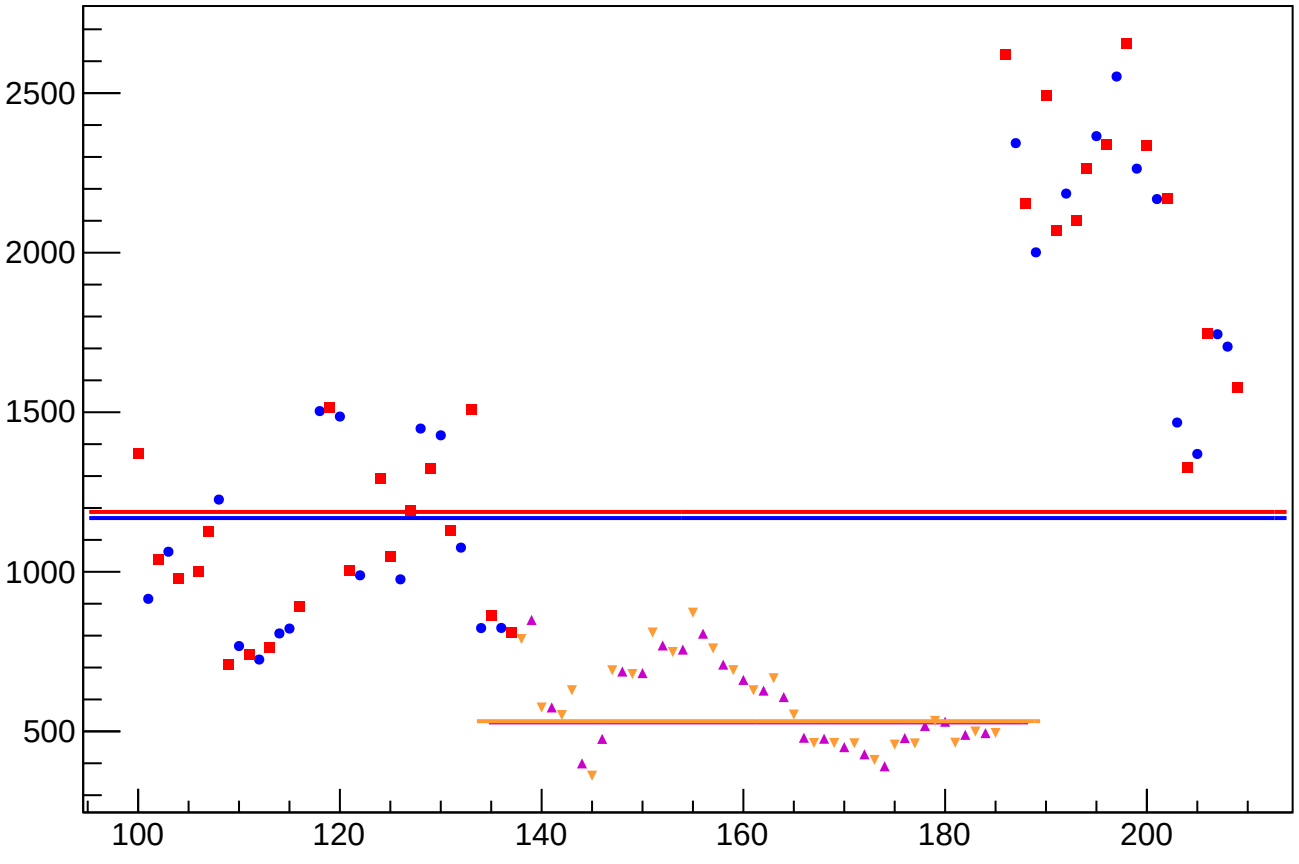
Right Out: -871.234+/-311.523 χ^2/NDF: 23.7/31

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -559.071+/-115.891 χ^2/NDF: 102.4/51

All: -380.650+/-82.557 χ^2/NDF: 163.8/106

- sign -196.824+/-117.634 χ^2/NDF: 56.6/54



Right In: 1168.376+/-0.225 χ^2/NDF: 4304557.6/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1187.575+/-0.220 χ^2/NDF: 5265434.3/31

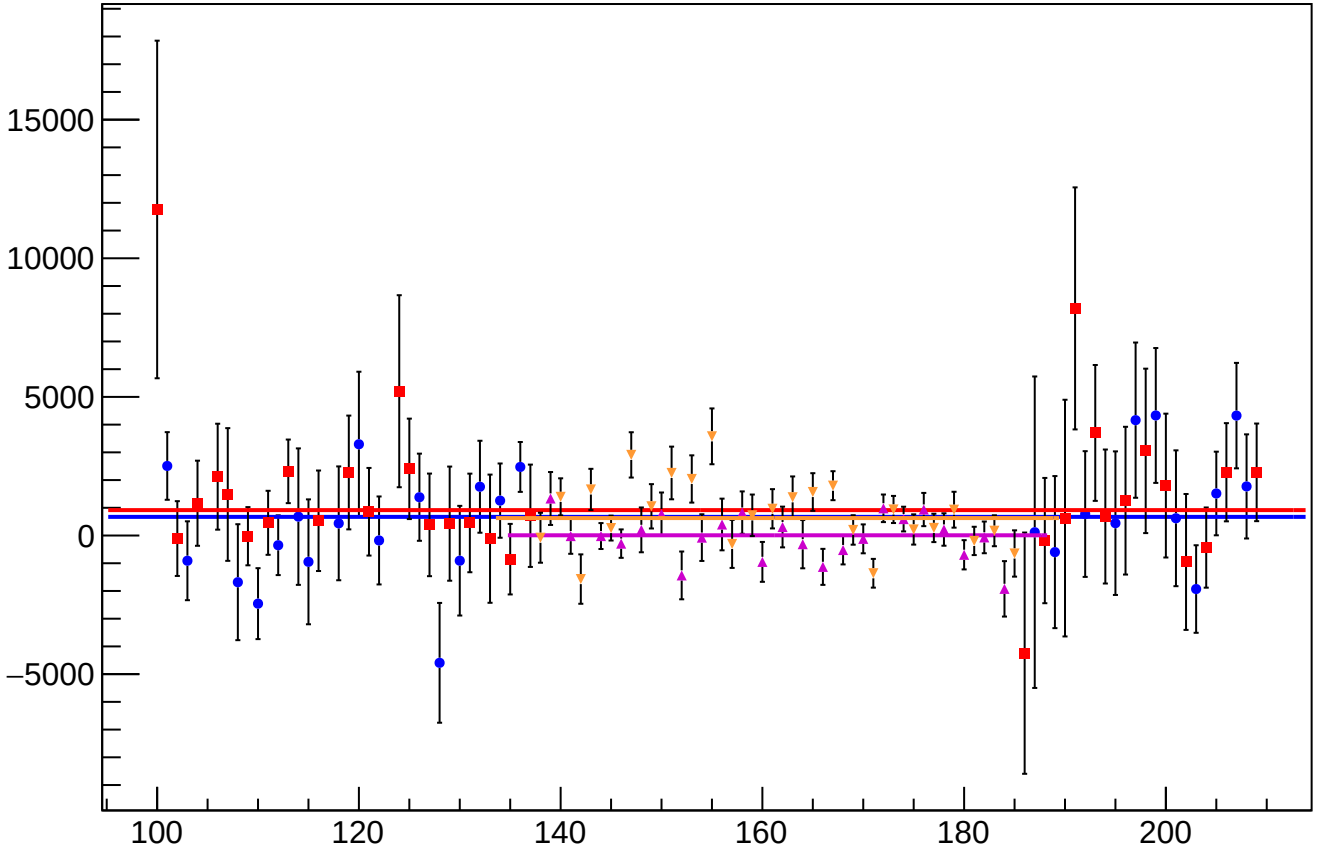
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 616.600+/-0.082 χ^2/NDF: 13304057.8/51

All: 619.277+/-0.058 χ^2/NDF: 28059637.1/10

- sign 622.036+/-0.083 χ^2/NDF: 14753412.1/54

asym_sam_37_avg_mean vs Slug



Right In: 672.564+/-325.947 χ^2/NDF: 36.0/26

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 916.488+/-324.054 χ^2/NDF: 20.7/31

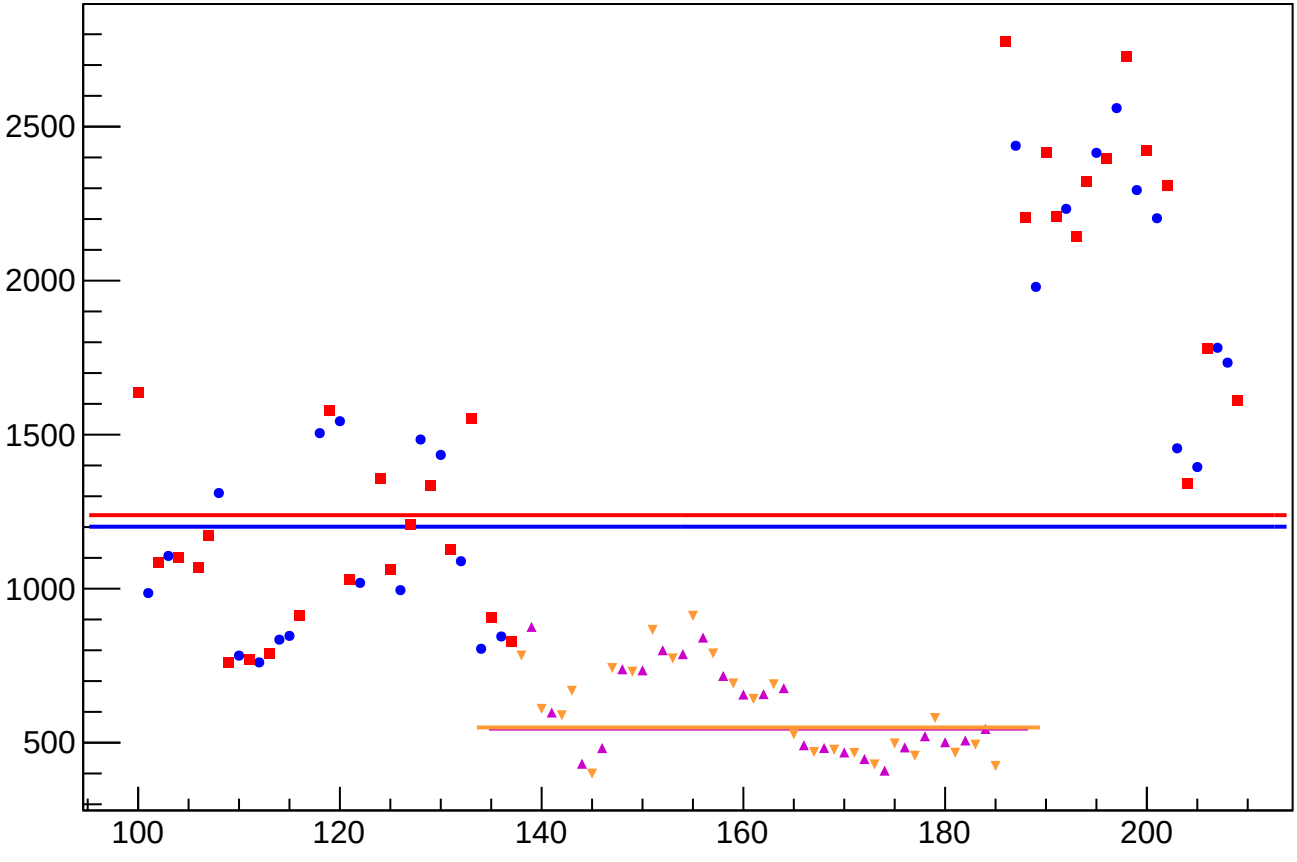
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 635.215+/-119.830 χ^2/NDF: 100.9/51

All: 389.678+/-85.380 χ^2/NDF: 164.3/106

- sign 136.492+/-121.682 χ^2/NDF: 54.8/54

asym_sam_37_avg_rms vs Slug



Right In: 1201.218+/-0.230 χ^2/NDF: 4171314.1/26

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1238.650+/-0.229 χ^2/NDF: 5080732.6/31

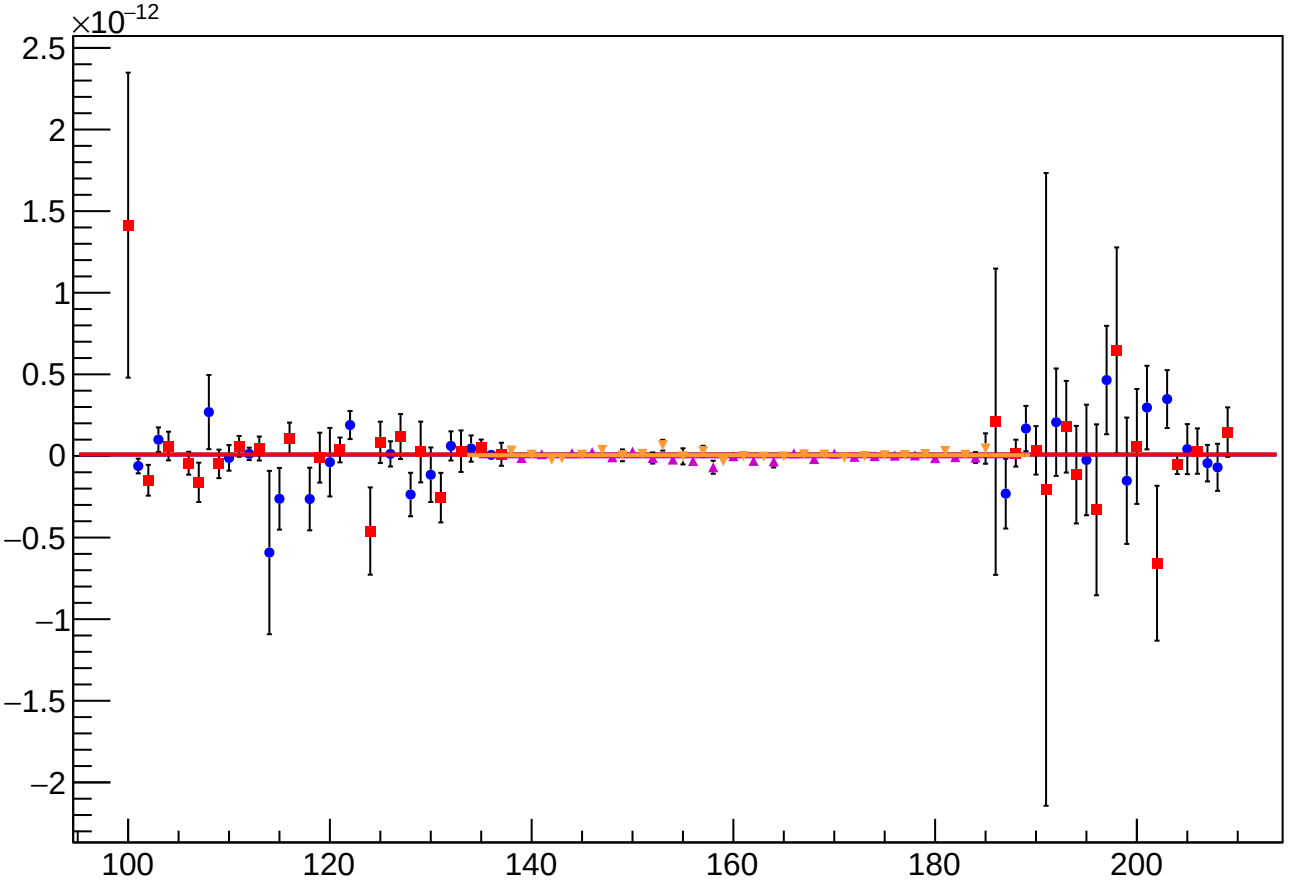
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 637.562+/-0.085 χ^2/NDF: 13140795.5/51

All: 640.442+/-0.060 χ^2/NDF: 27894041.7/10

- sign 643.412+/-0.086 χ^2/NDF: 14750899.0/54

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/31

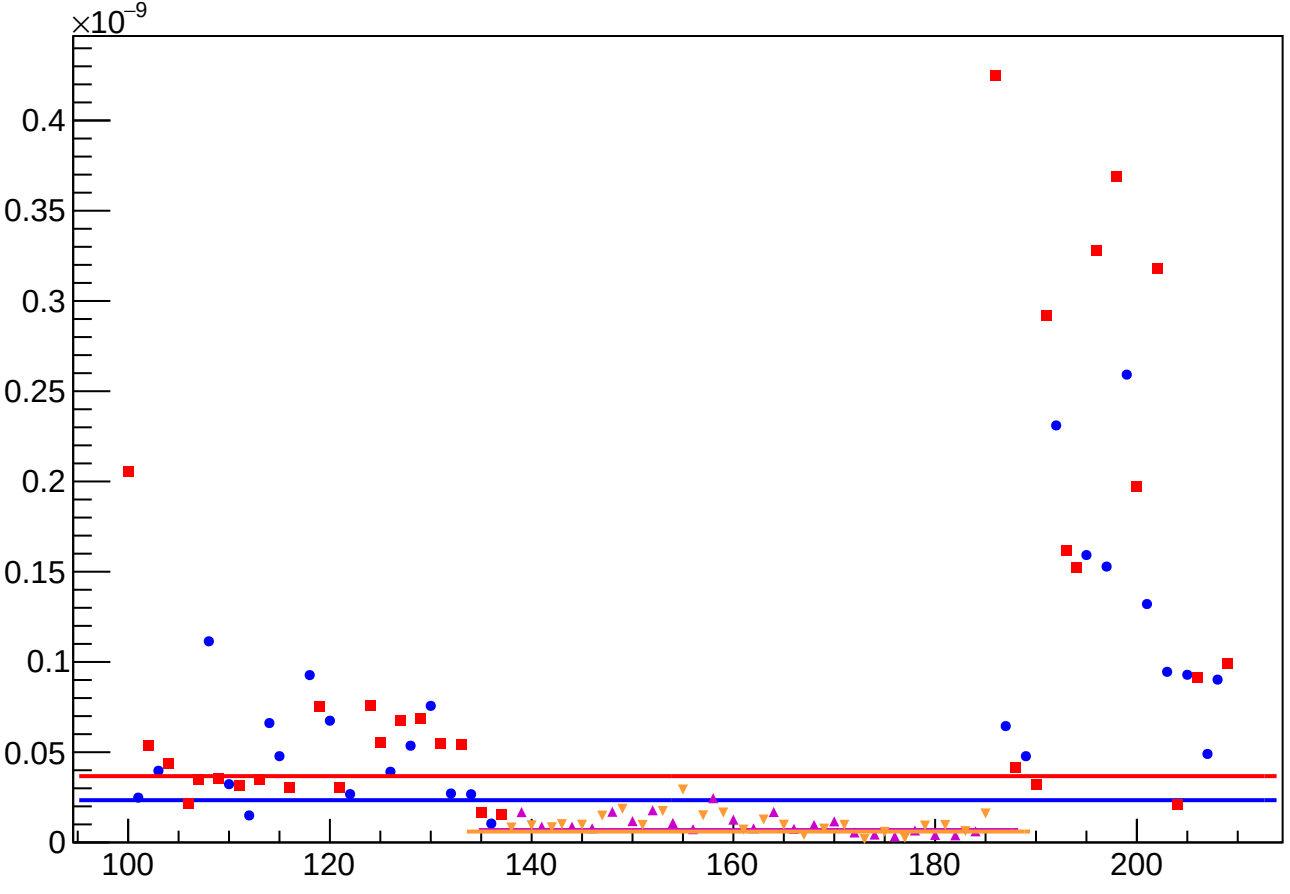
Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/51

All: 0.000+/-0.000 χ^2/NDF: 93.3/106

- sign -0.000+/-0.000 χ^2/NDF: 44.8/54

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6072560.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5421174.3/31

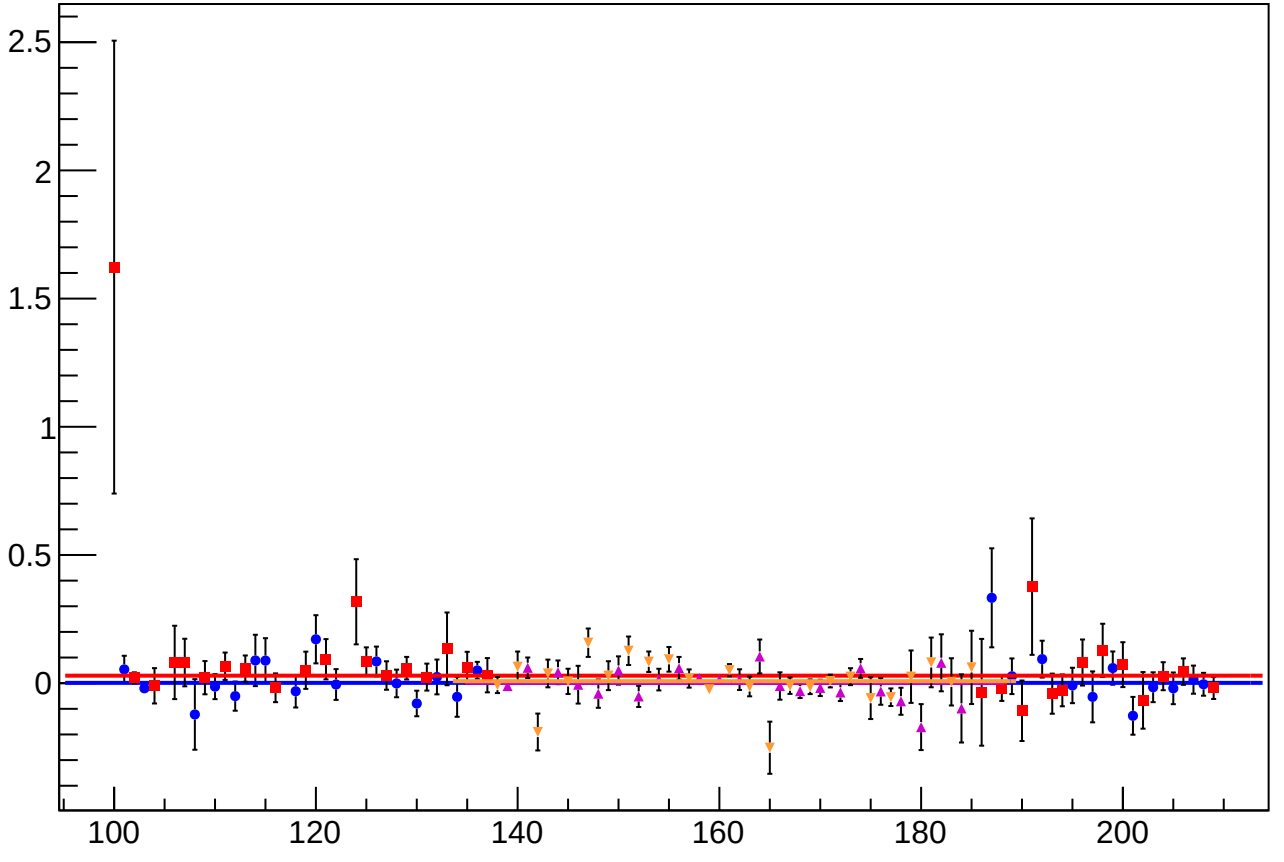
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12649351.6/51

All: 0.000+/-0.000 χ^2/NDF: 25665190.8/106

- sign 0.000+/-0.000 χ^2/NDF: 12917886.9/54

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.029+/-0.011 χ^2/NDF: 20.9/31

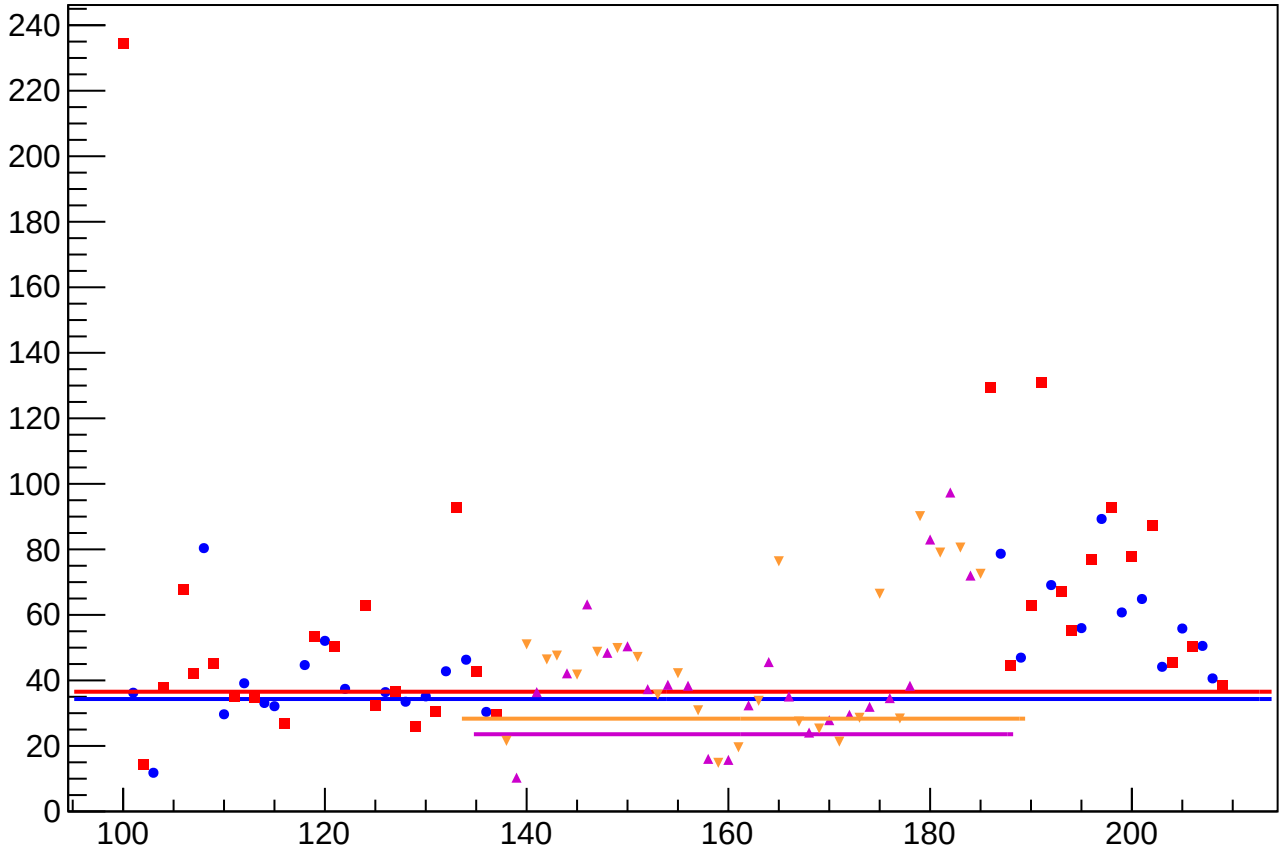
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.7/106

- sign 0.010+/-0.006 χ^2/NDF: 51.0/54

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

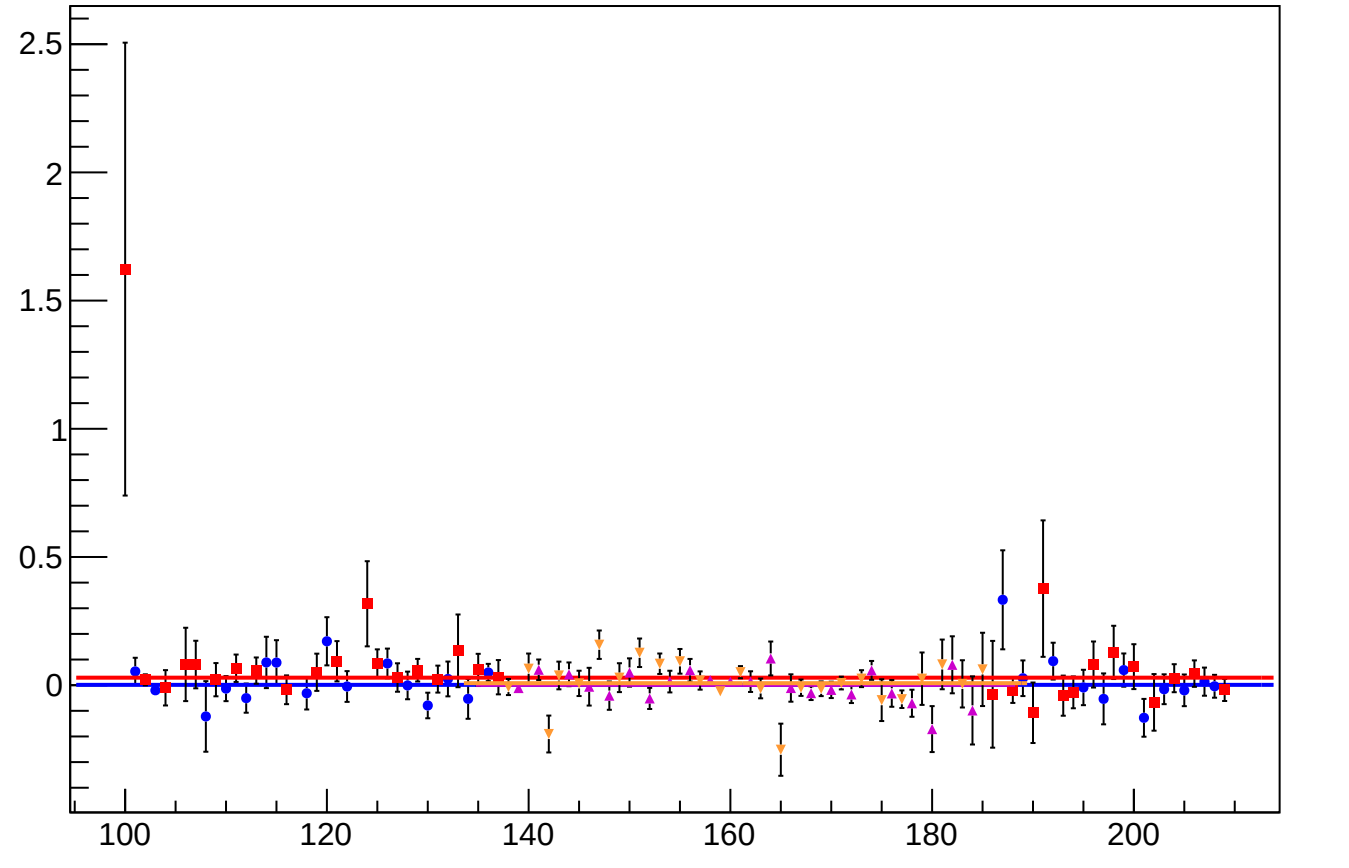
Right Out: 36.548+/-0.008 χ^2/NDF: 6516145.3/31

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.435+/-0.004 χ^2/NDF: 12998939.9/51

All: 28.798+/-0.003 χ^2/NDF: 30167973.1/106

- sign 27.353+/-0.004 χ^2/NDF: 16897741.2/54



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.029+/-0.011 χ^2/NDF: 20.9/31

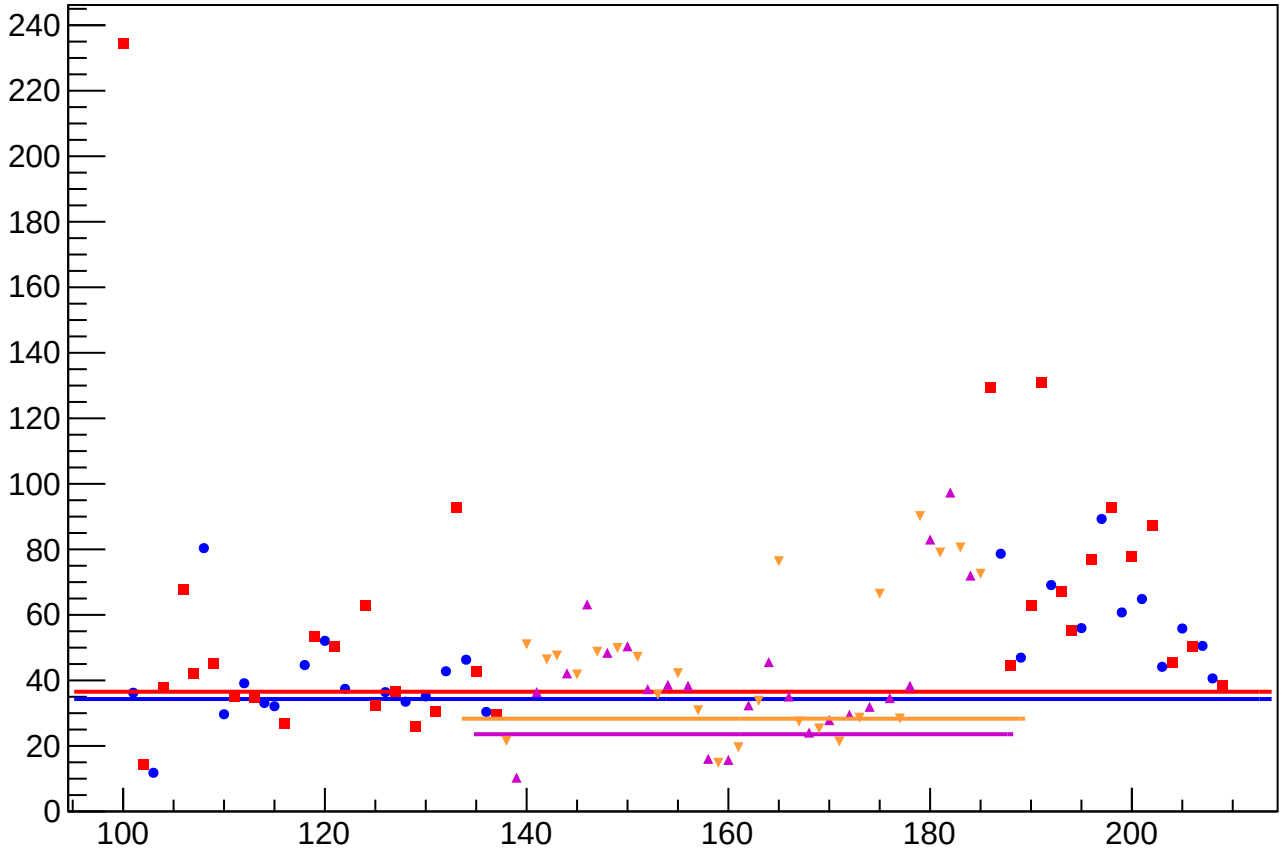
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.7/106

- sign 0.010+/-0.006 χ^2/NDF: 51.0/54

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

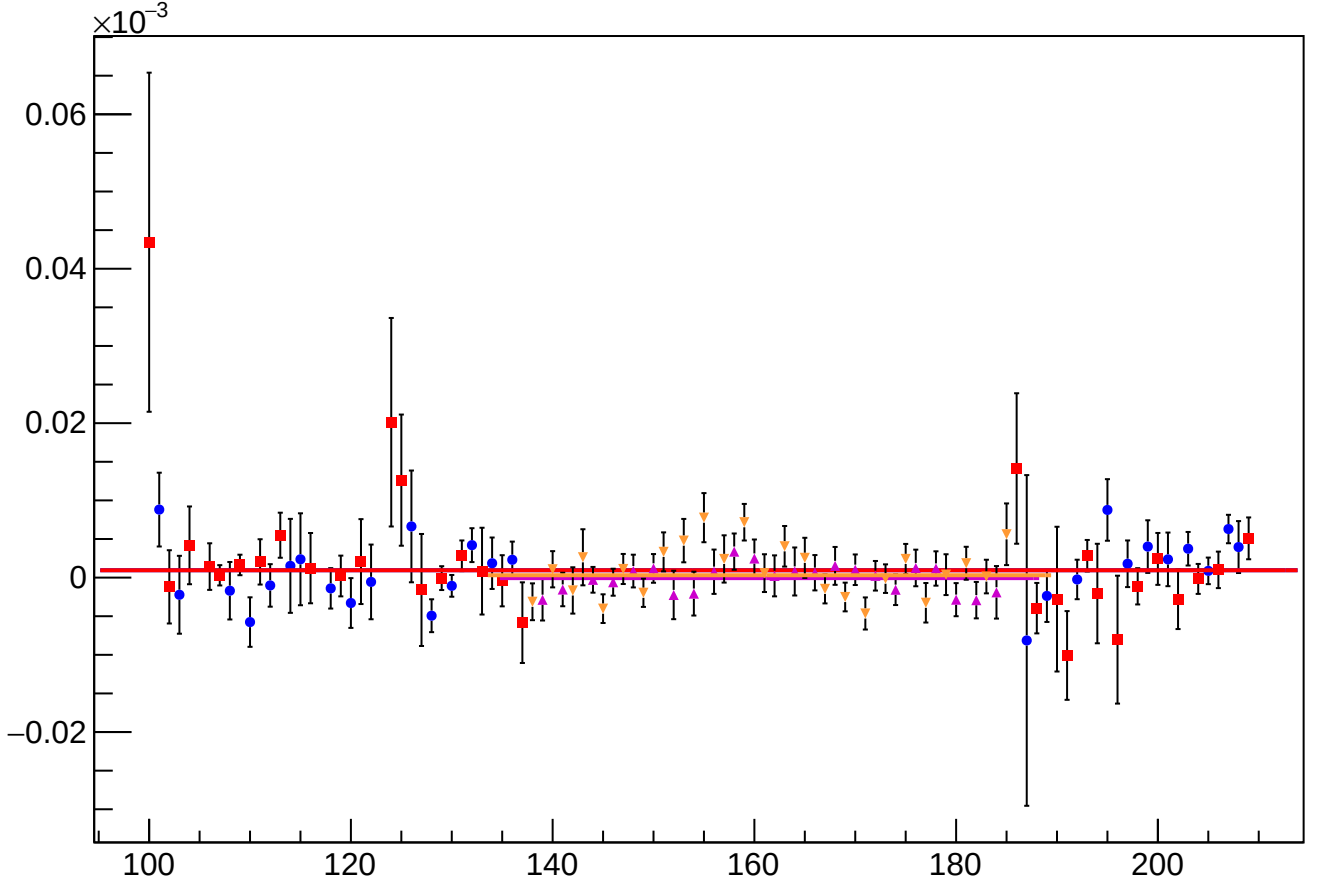
Right Out: 36.548+/-0.008 χ^2/NDF: 6516145.3/31

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.435+/-0.004 χ^2/NDF: 12998939.9/51

All: 28.798+/-0.003 χ^2/NDF: 30167973.1/106

- sign 27.353+/-0.004 χ^2/NDF: 16897741.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

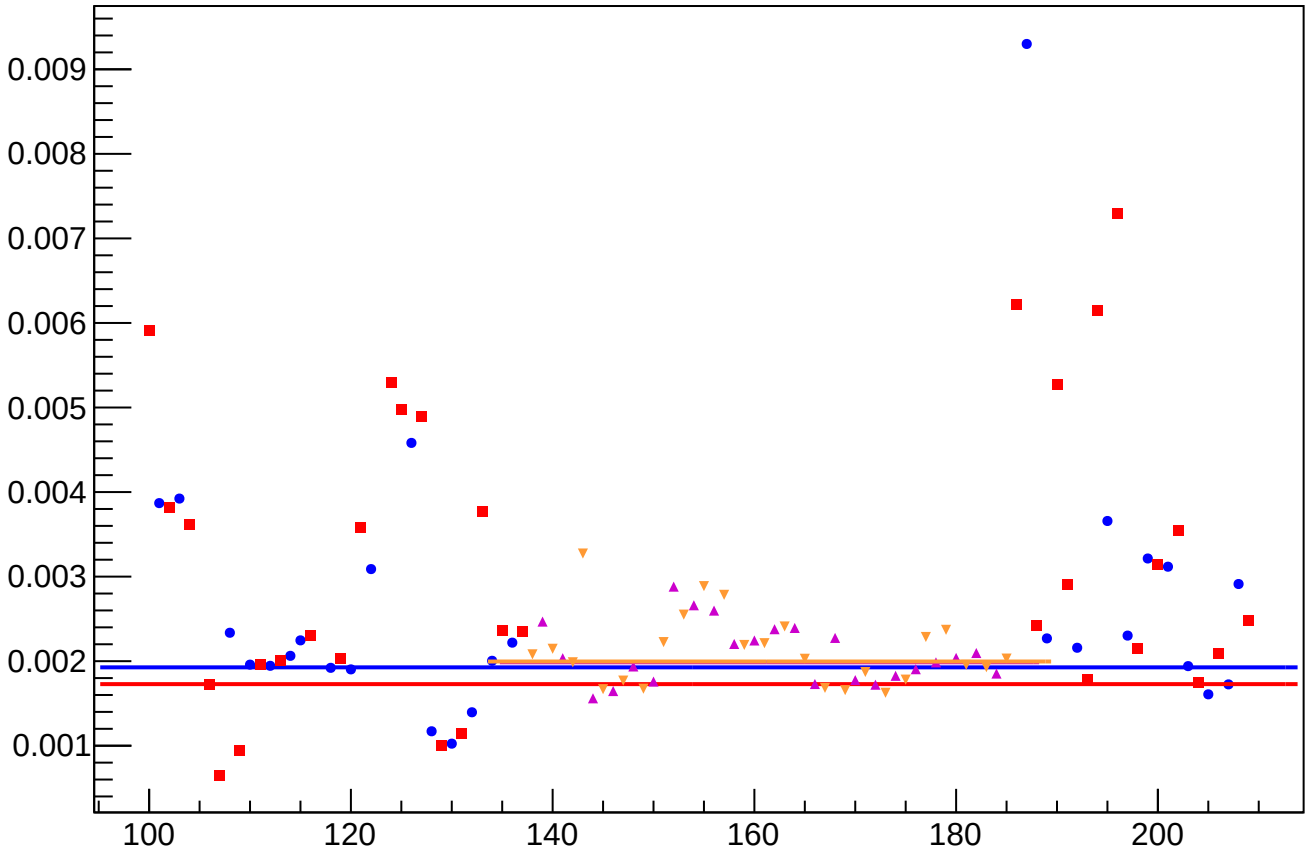
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/31

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.7/51

All: 0.000+/-0.000 χ^2/NDF: 131.8/106

- sign 0.000+/-0.000 χ^2/NDF: 43.9/54



Right In: 0.002+/-0.000 χ^2/NDF: 3750695.6/26

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

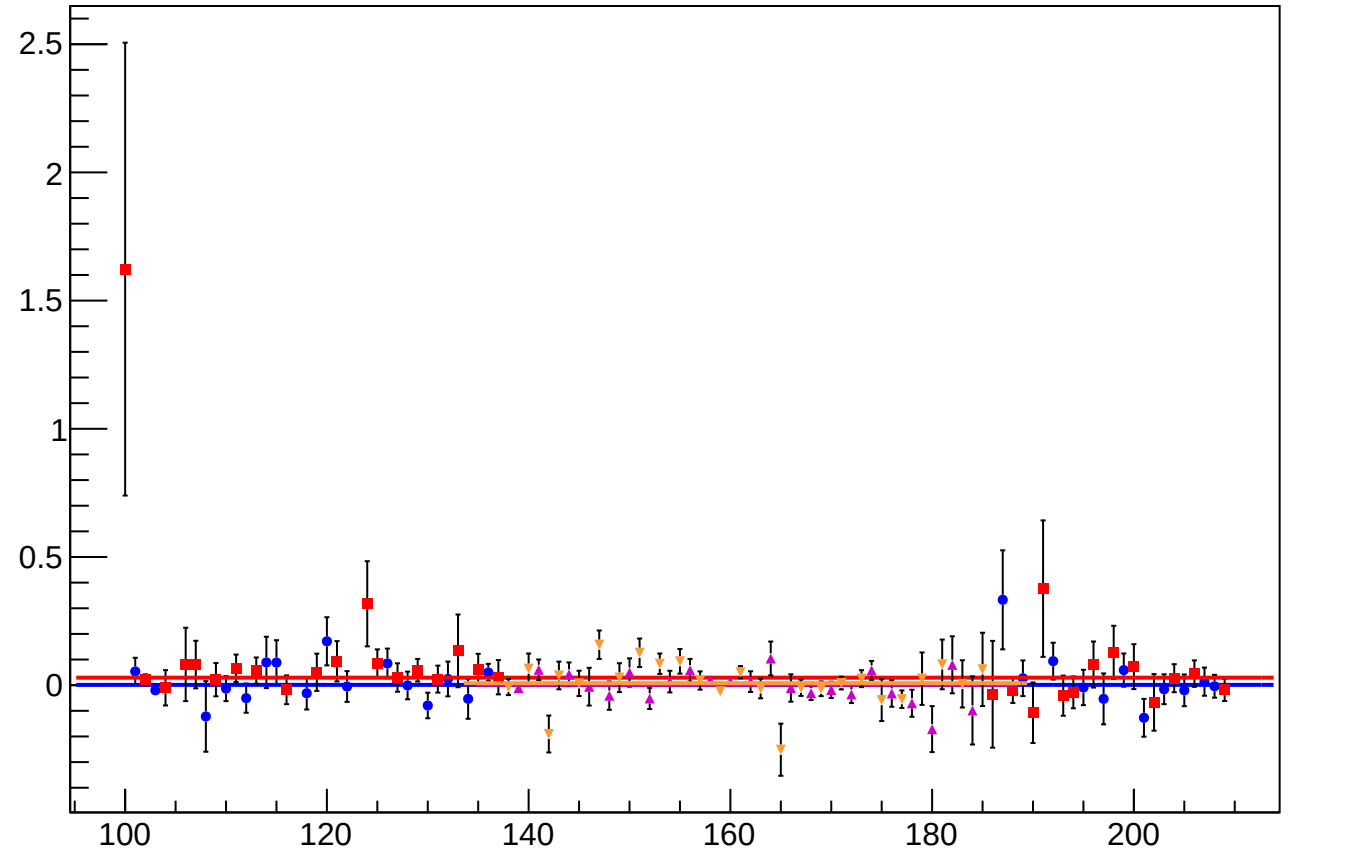
Right Out: 0.002+/-0.000 χ^2/NDF: 8707593.1/31

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4943008.4/51

All: 0.002+/-0.000 χ^2/NDF: 14943501.0/106

- sign 0.002+/-0.000 χ^2/NDF: 9914708.4/54



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.029+/-0.011 χ^2/NDF: 20.9/31

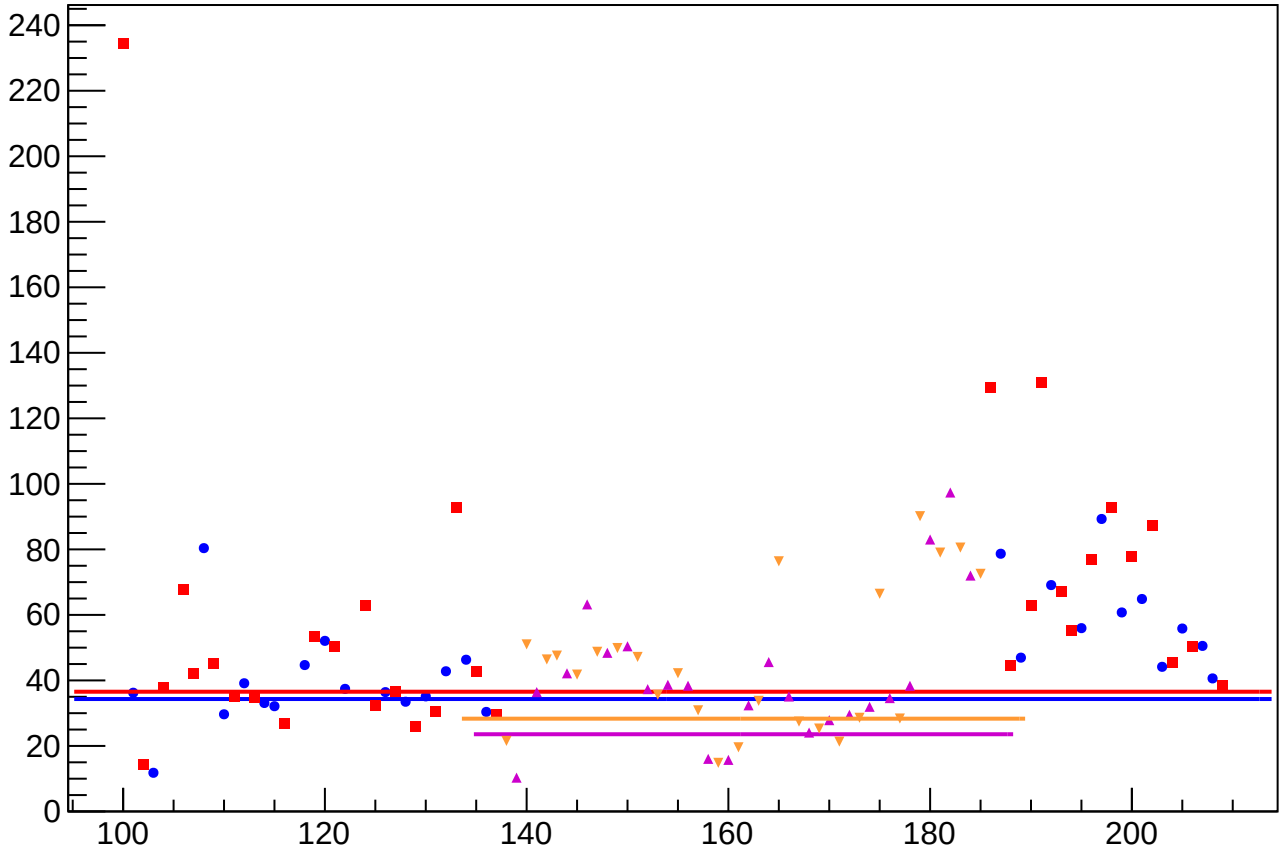
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.7/106

- sign 0.010+/-0.006 χ^2/NDF: 51.0/54

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

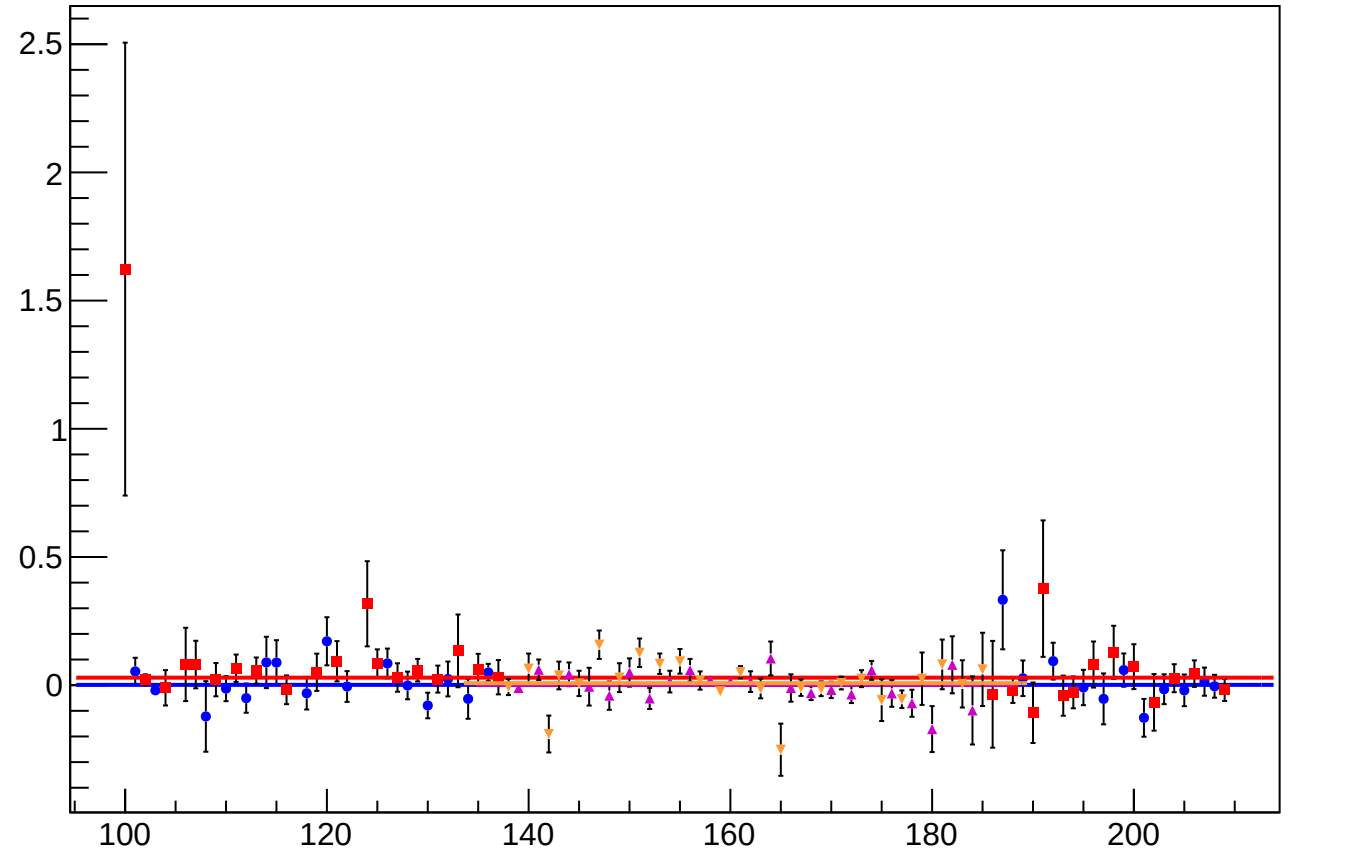
Right Out: 36.550+/-0.008 χ^2/NDF: 6514966.5/31

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.435+/-0.004 χ^2/NDF: 12999763.9/51

All: 28.797+/-0.003 χ^2/NDF: 30169779.0/106

- sign 27.352+/-0.004 χ^2/NDF: 16898724.5/54



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

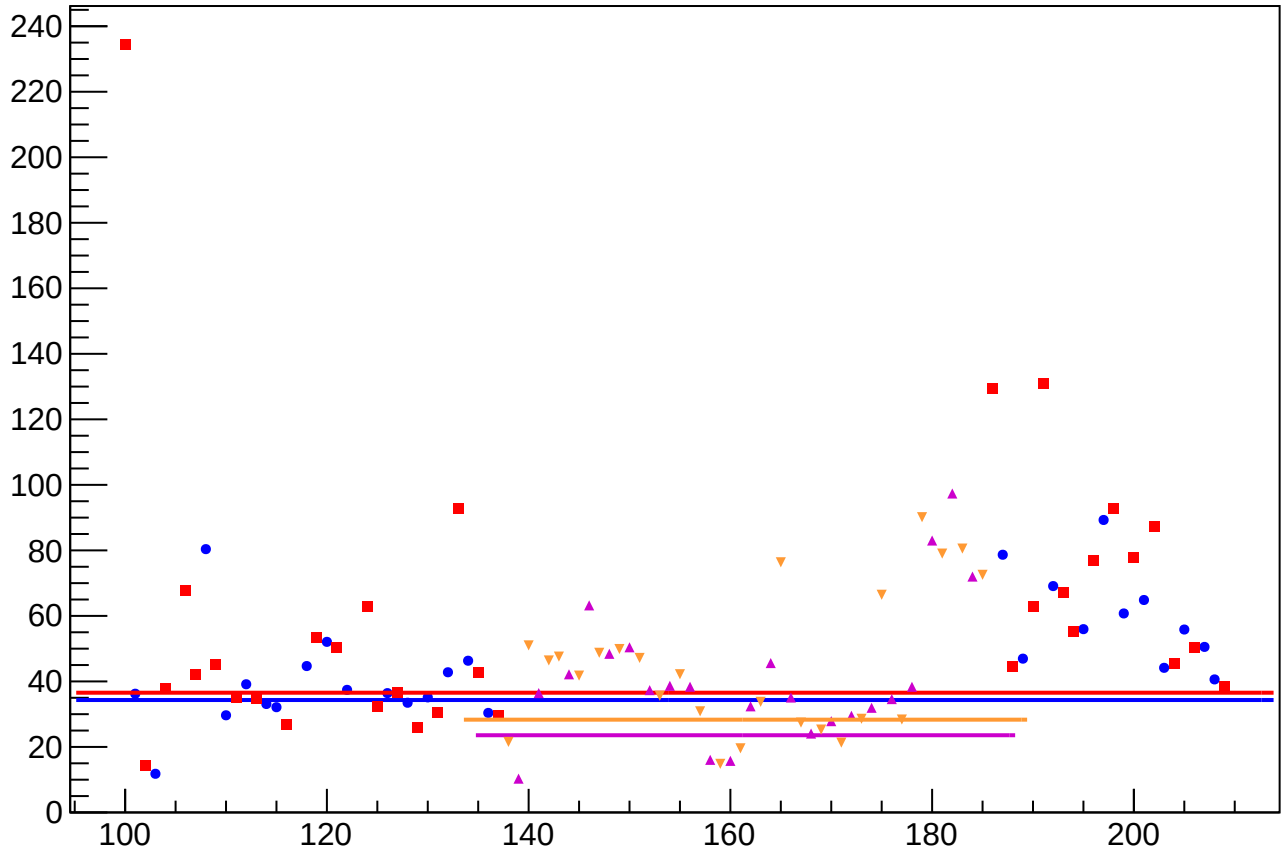
Right Out: 0.029+/-0.011 χ^2/NDF: 20.9/31

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/51

All: 0.008+/-0.004 χ^2/NDF: 124.7/106

- sign 0.010+/-0.006 χ^2/NDF: 51.0/54



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

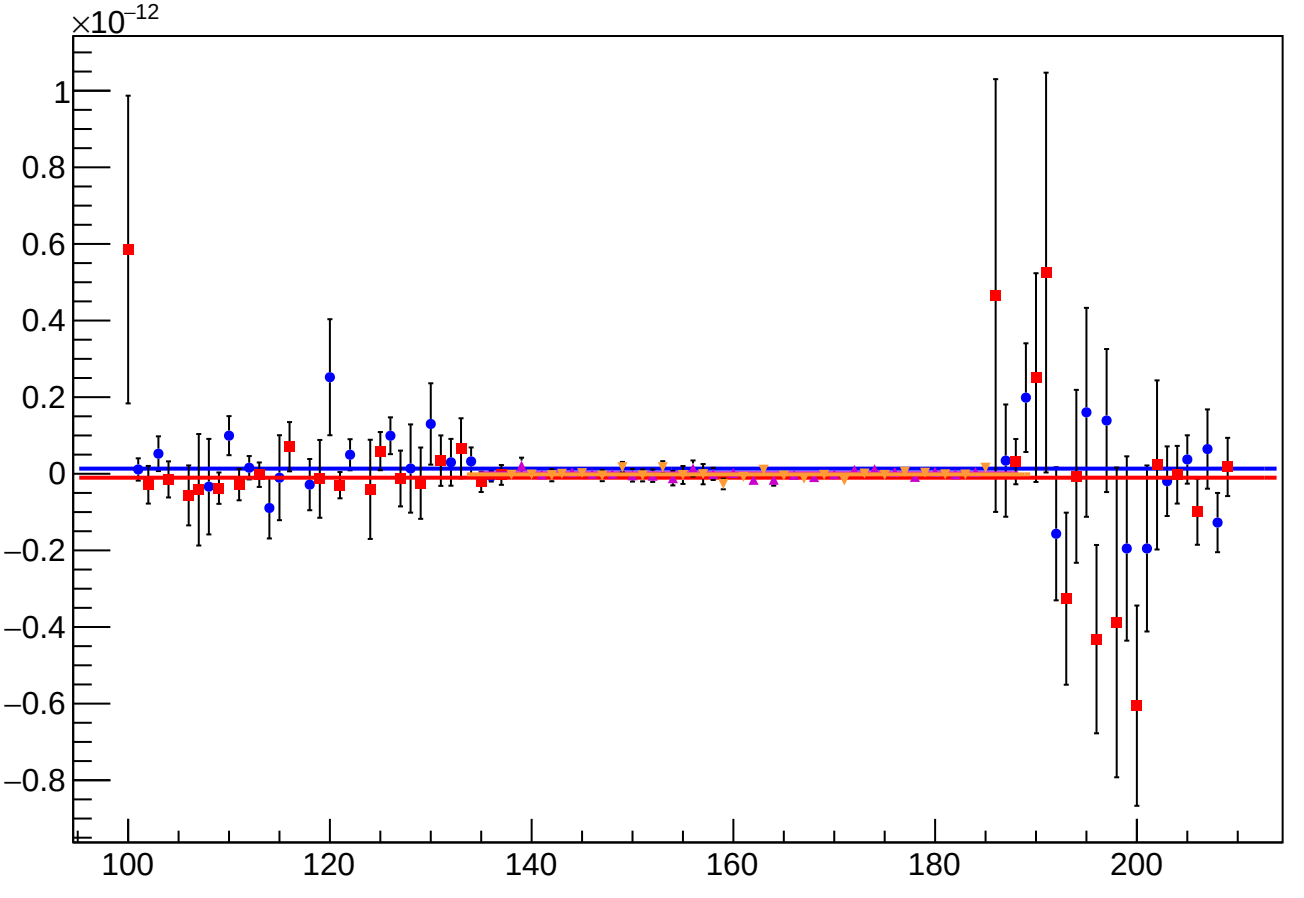
Right Out: 36.550+/-0.008 χ^2/NDF: 6514966.5/31

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.435+/-0.004 χ^2/NDF: 12999763.9/51

All: 28.797+/-0.003 χ^2/NDF: 30169779.0/106

- sign 27.352+/-0.004 χ^2/NDF: 16898724.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

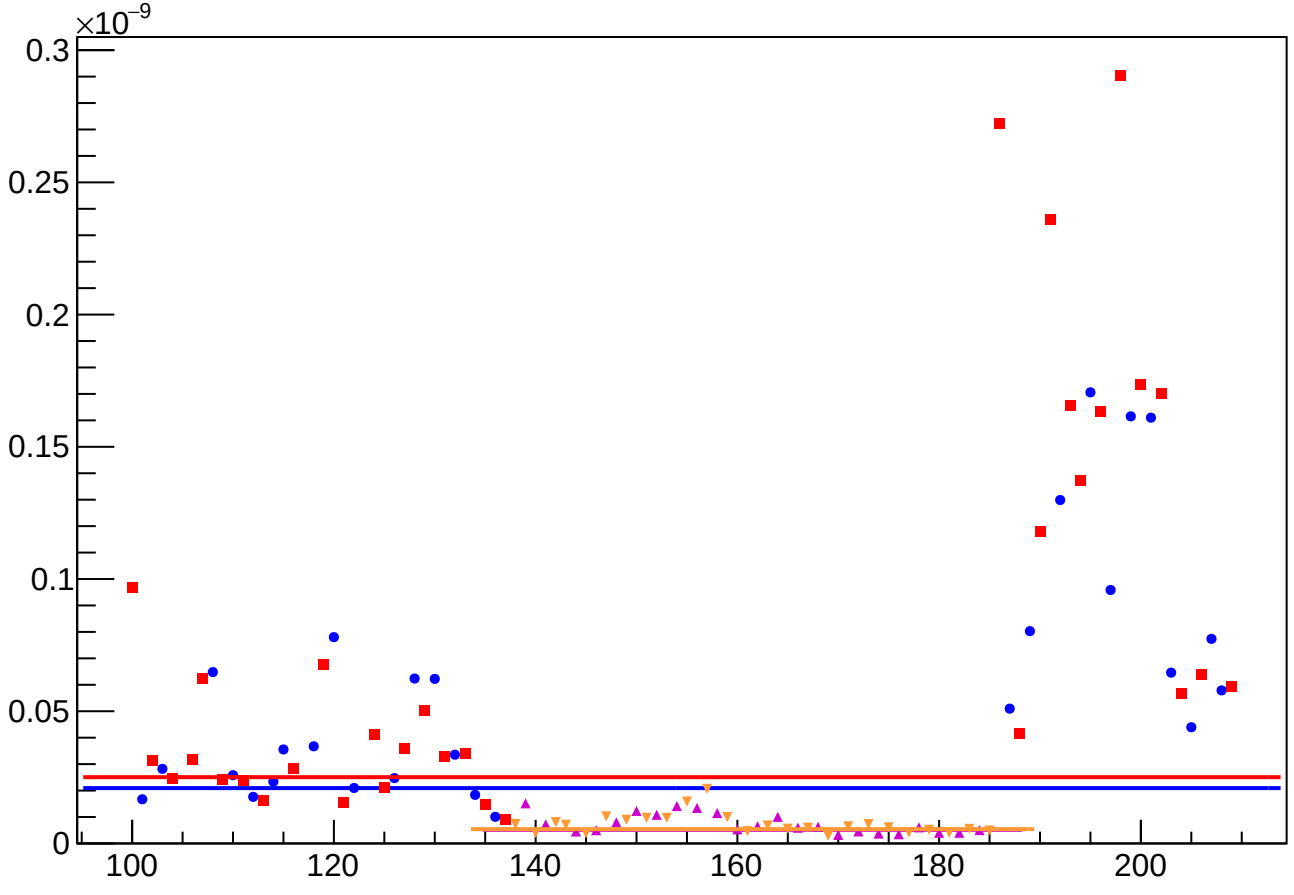
Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/31

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/51

All: 0.000+/-0.000 χ^2/NDF: 87.3/106

- sign 0.000+/-0.000 χ^2/NDF: 41.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 8171051.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8827140.7/31

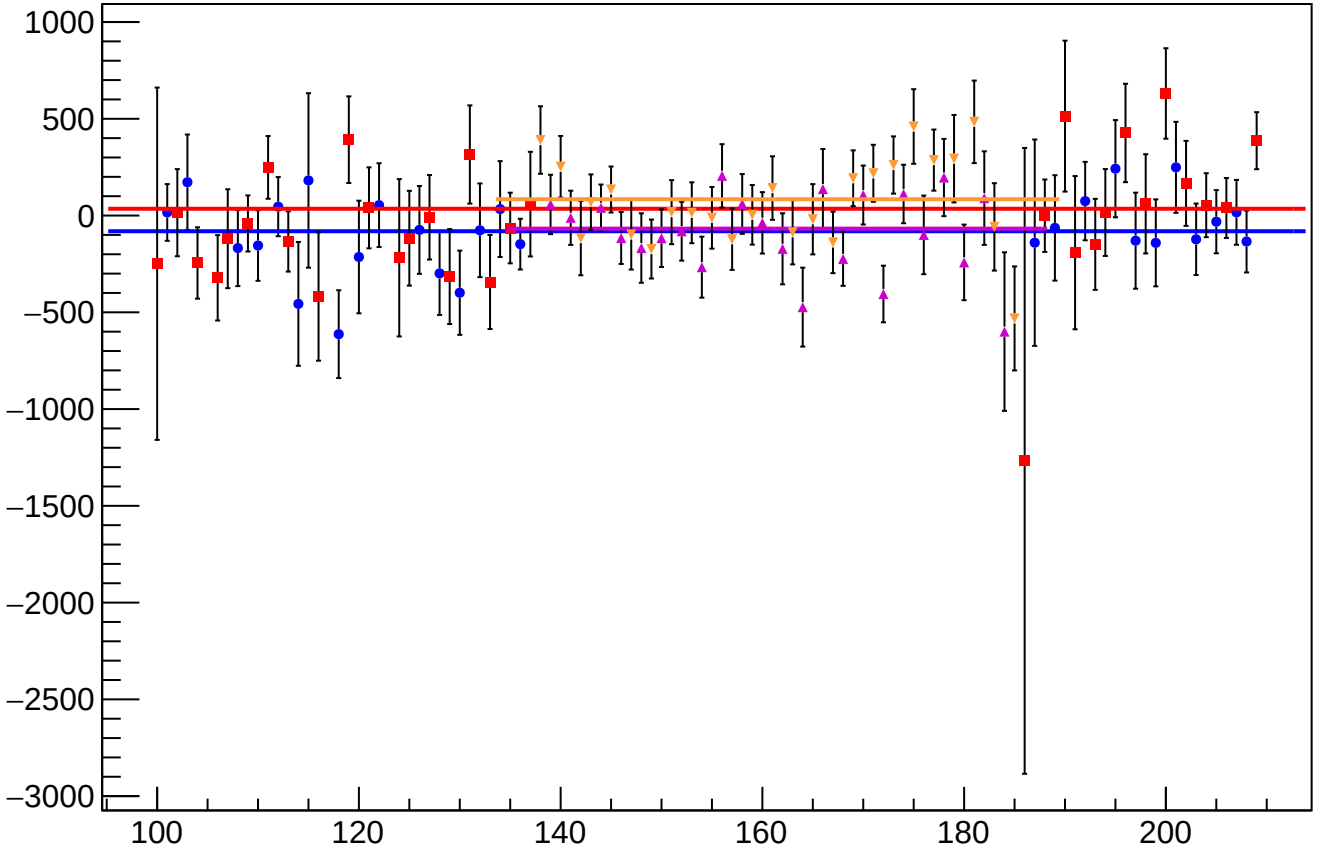
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16827896.5/51

All: 0.000+/-0.000 χ^2/NDF: 36320616.0/106

- sign 0.000+/-0.000 χ^2/NDF: 19470999.8/54

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.086+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 35.143+/-38.479 χ^2/NDF: 37.9/31

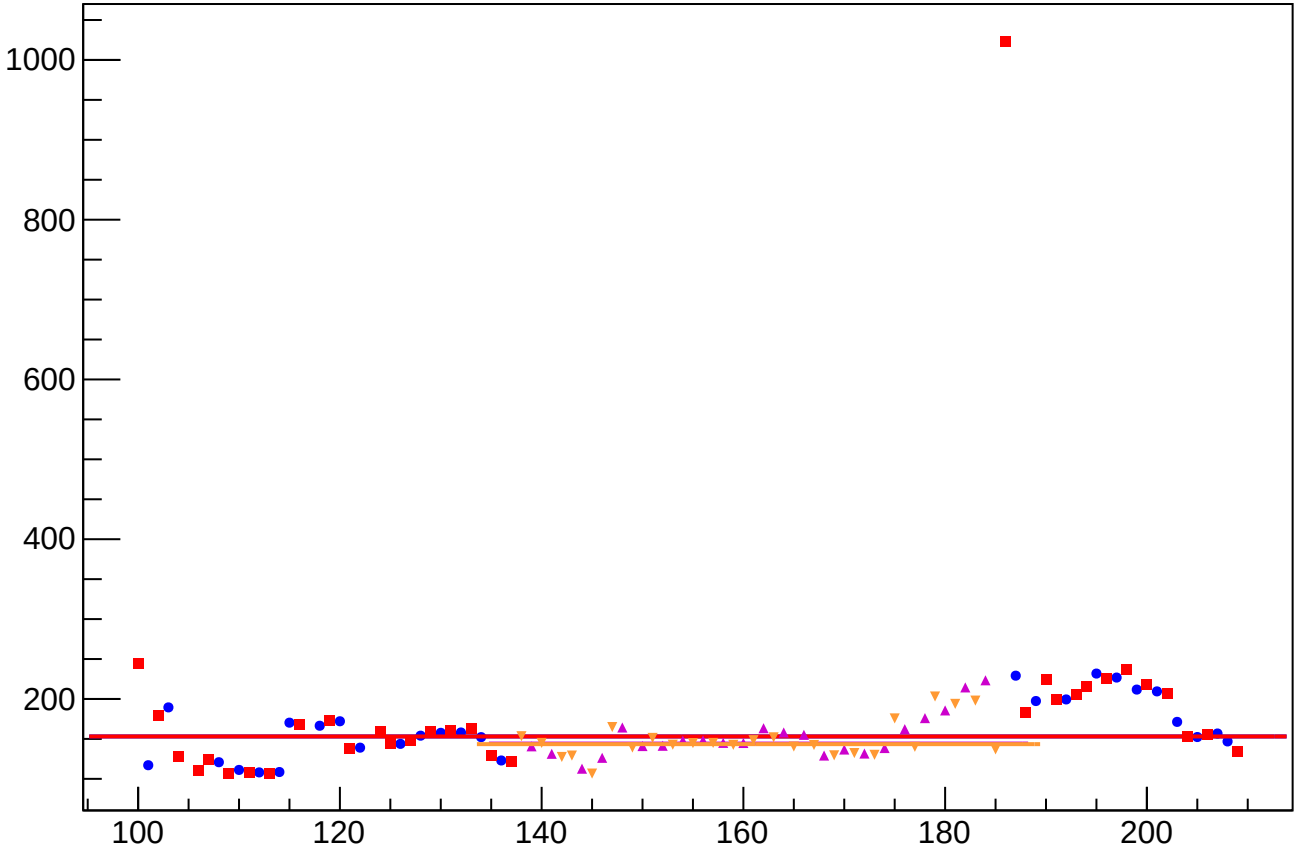
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 16.561+/-25.382 χ^2/NDF: 63.0/51

All: -2.789+/-18.002 χ^2/NDF: 132.6/106

- sign -22.375+/-25.536 χ^2/NDF: 68.4/54

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF: 1519950.6/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.073+/-0.027 χ^2/NDF: 2474995.3/31

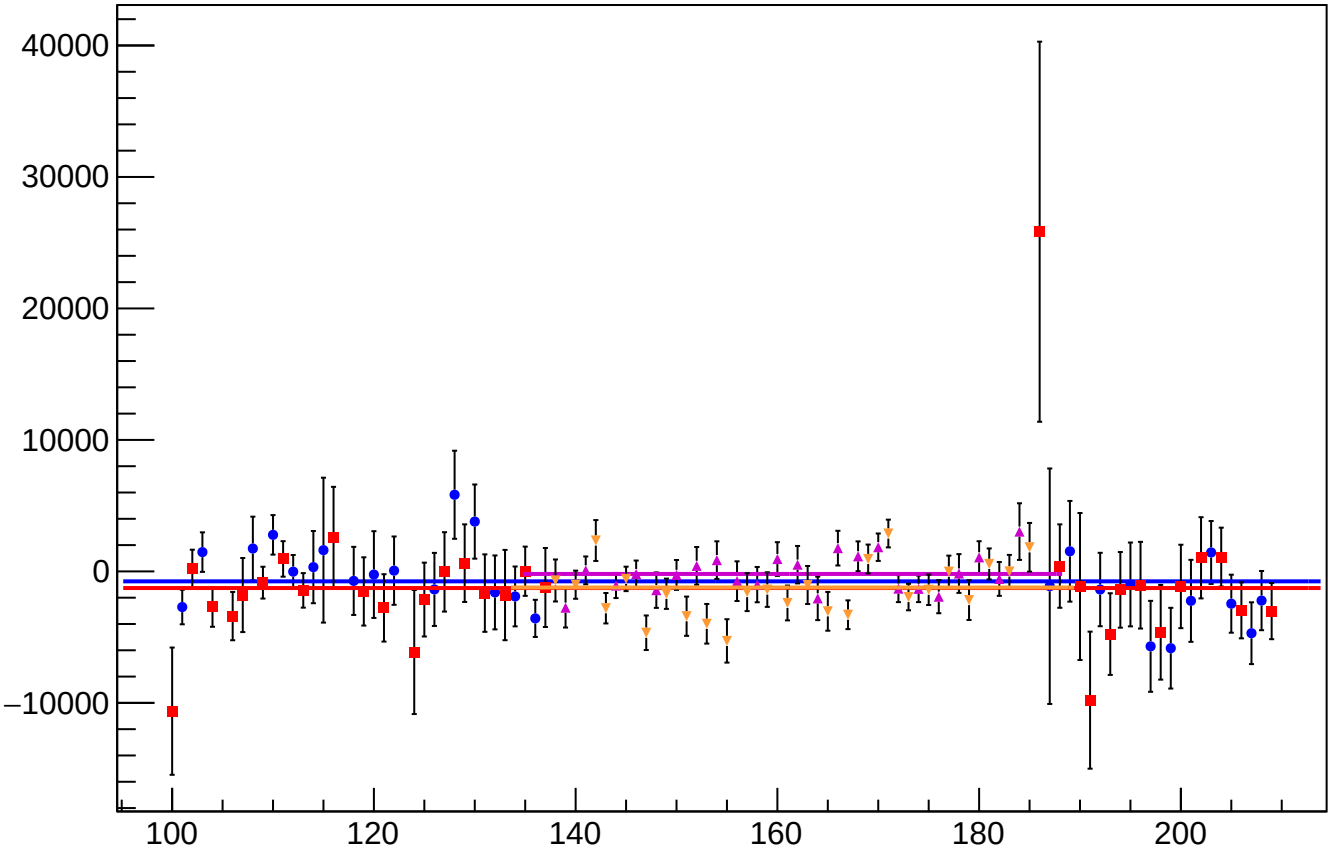
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF: 2336837.8/51

All: 147.741+/-0.013 χ^2/NDF: 5575205.3/106

- sign 148.091+/-0.018 χ^2/NDF: 3237619.0/54

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -755.738+/-432.913 χ^2/NDF: 32.7/26

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1266.082+/-409.345 χ^2/NDF: 25.1/31

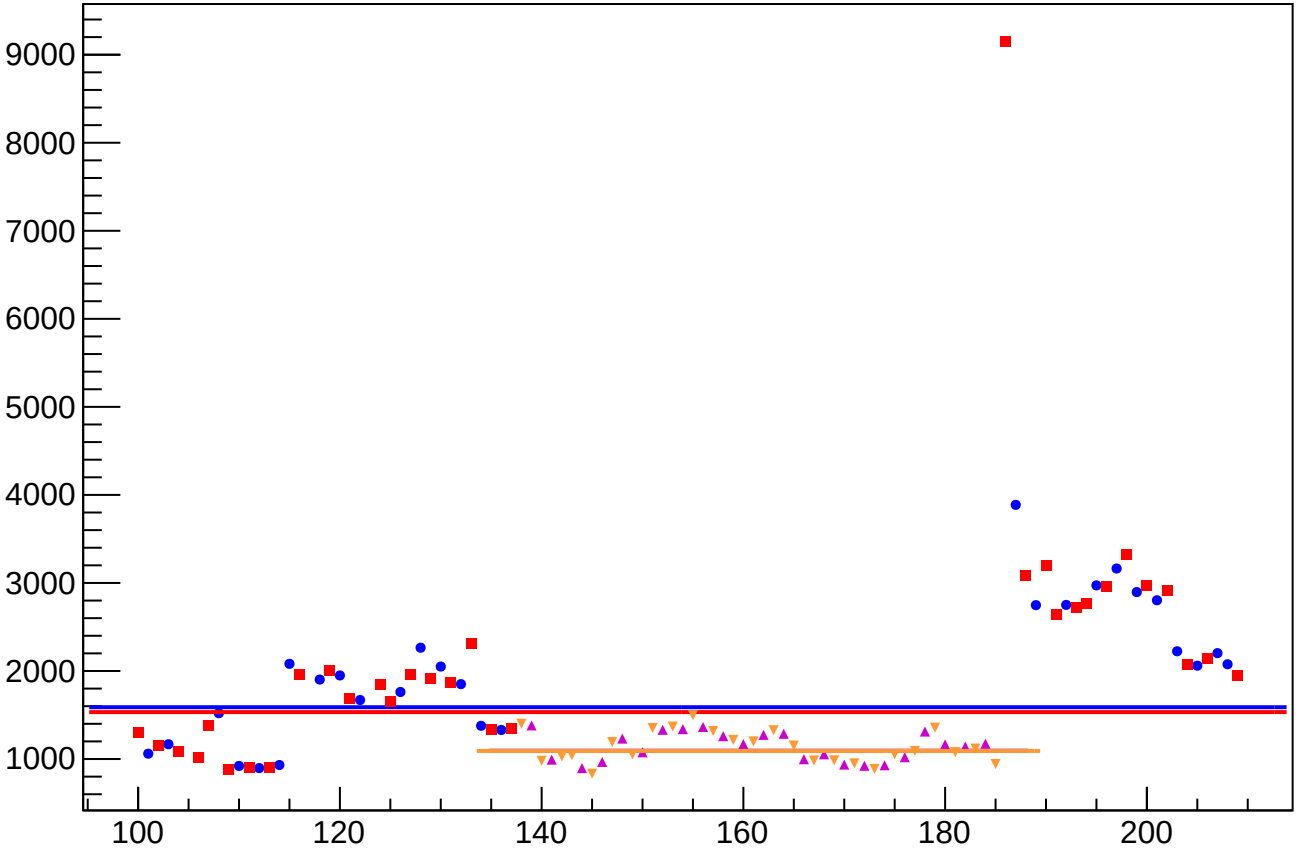
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1106.436+/-217.638 χ^2/NDF: 92.9/51

All: -804.971+/-154.310 χ^2/NDF: 150.0/106

- sign -500.219+/-218.822 χ^2/NDF: 53.3/54

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1588.354+/-0.306 χ^2/NDF: 4482963.9/26

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1532.824+/-0.289 χ^2/NDF: 6299719.8/31

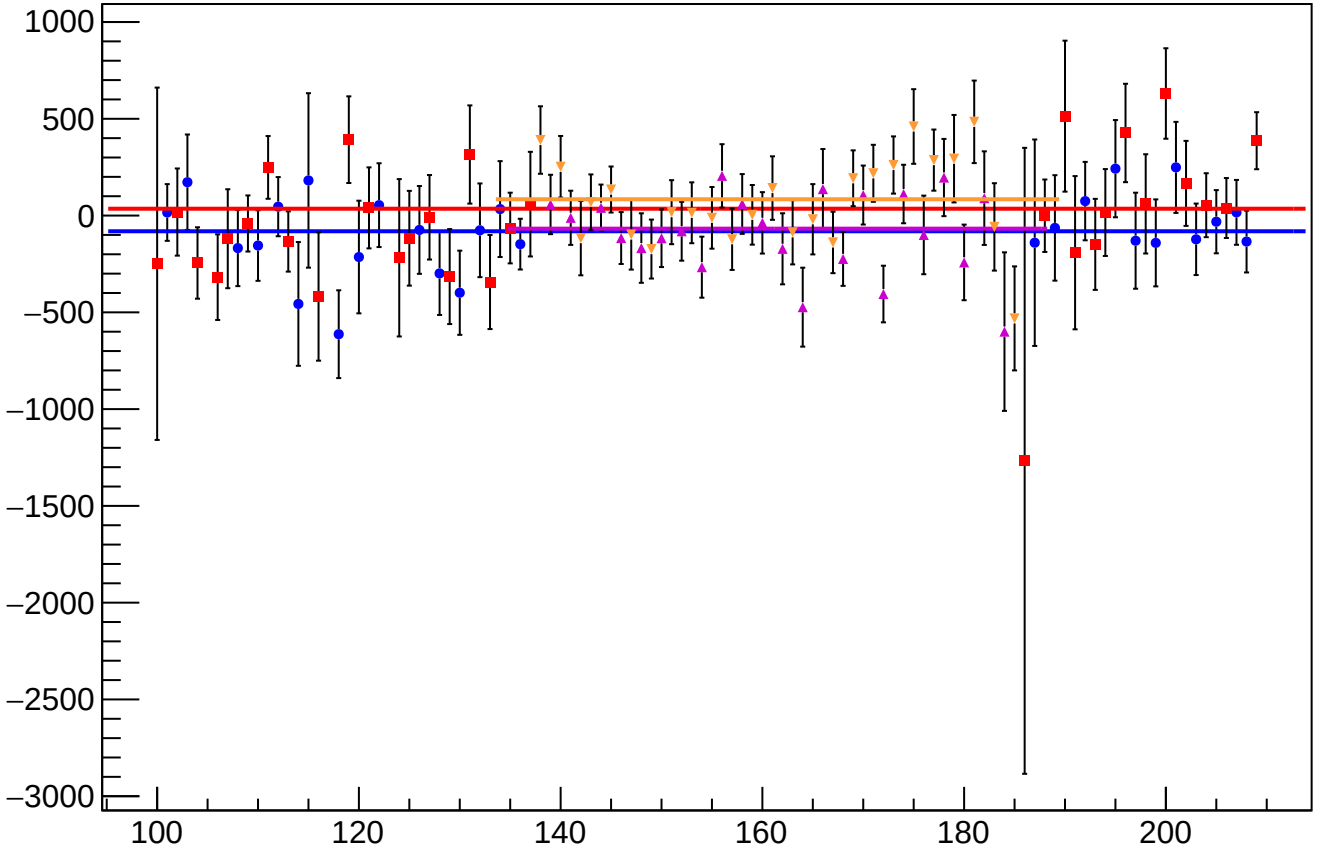
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1217.432+/-0.154 χ^2/NDF: 7340220.1/51

All: 1218.580+/-0.109 χ^2/NDF: 16011078.8/1

- sign 1219.740+/-0.155 χ^2/NDF: 8670746.9/54

cor_asym_sam_48_avg_mean vs Slug



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 35.415+/-38.483 χ^2/NDF: 37.8/31

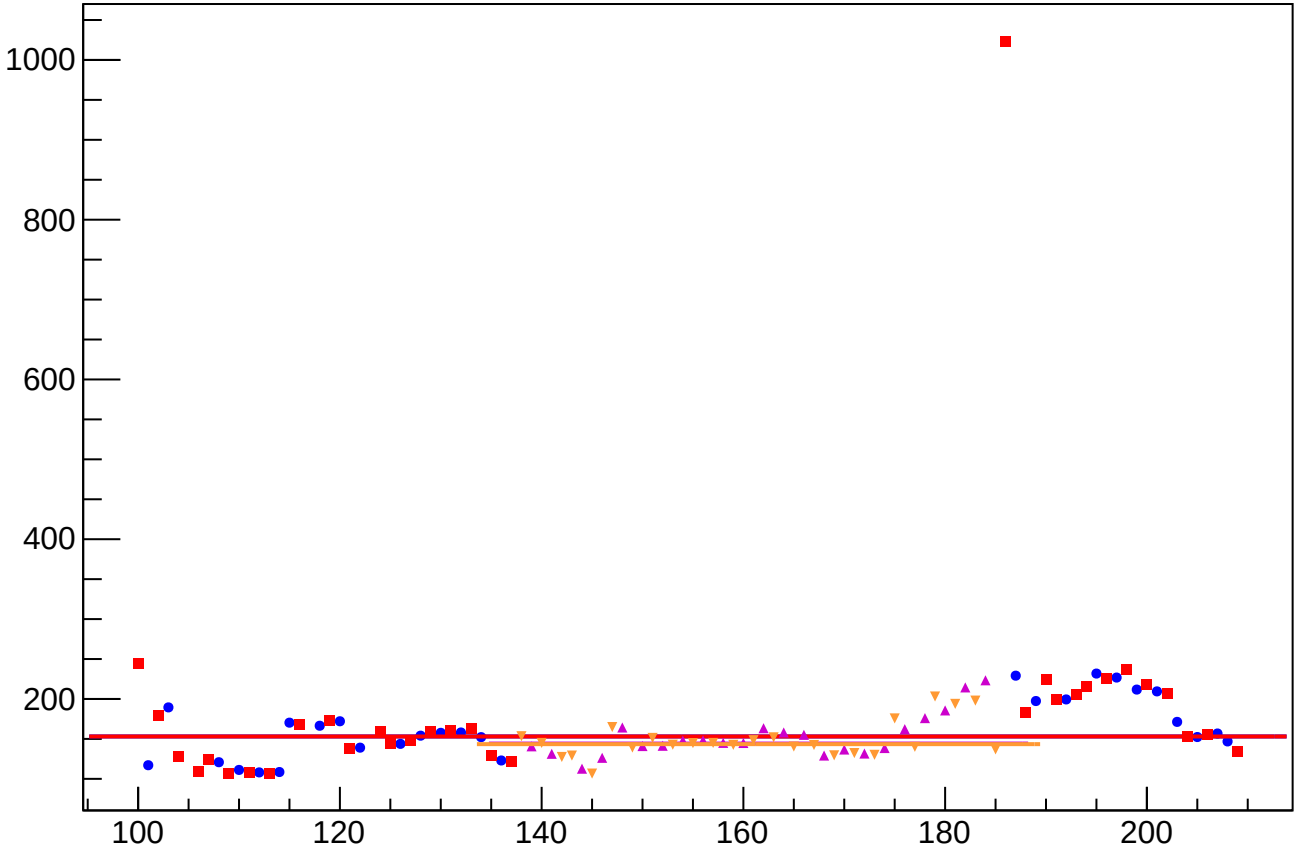
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 16.566+/-25.382 χ^2/NDF: 63.0/51

All: -2.730+/-18.003 χ^2/NDF: 132.5/106

- sign -22.263+/-25.537 χ^2/NDF: 68.3/54

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.035+/-0.027 χ^2/NDF: 2480342.9/31

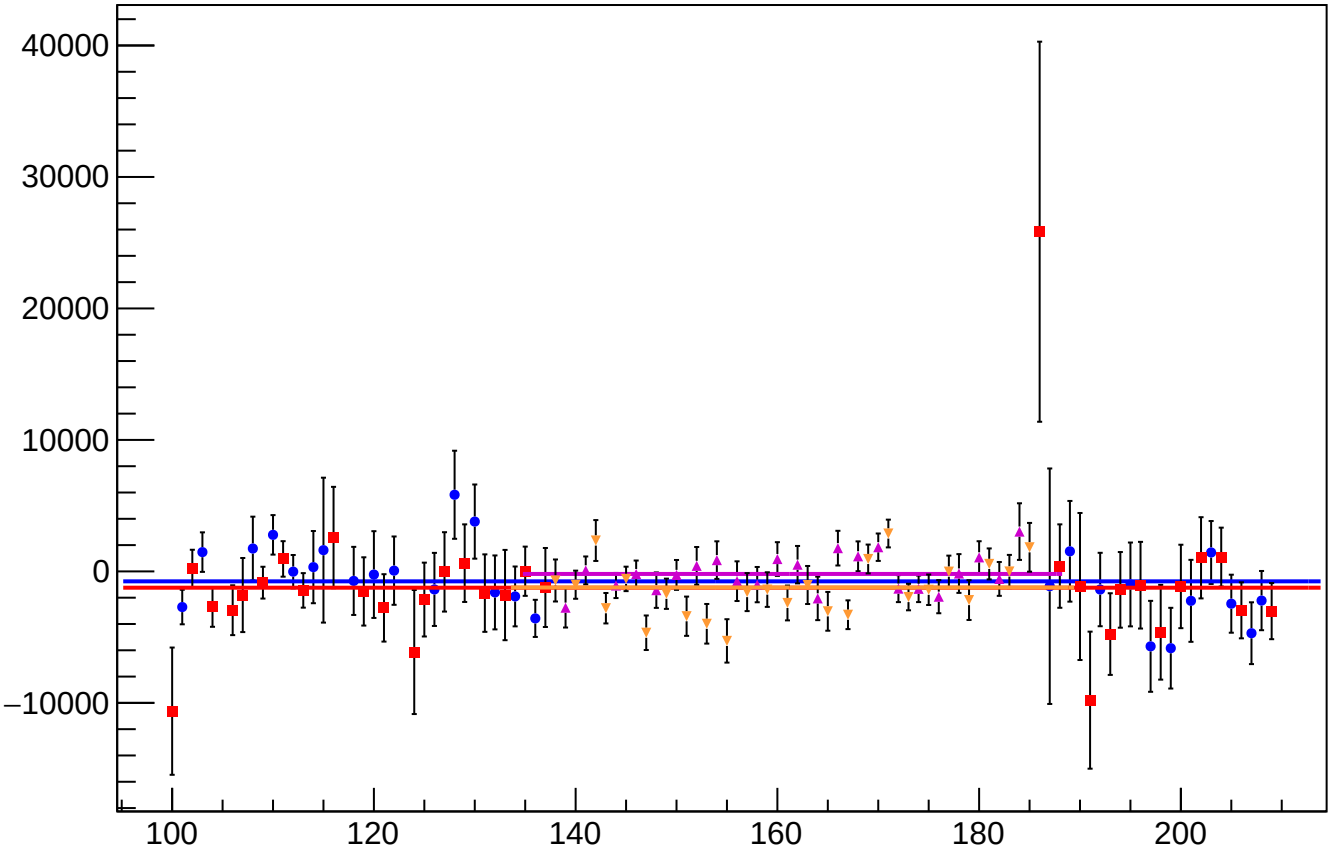
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF: 2336840.4/51

All: 147.732+/-0.013 χ^2/NDF: 5579992.0/106

- sign 148.074+/-0.018 χ^2/NDF: 3242440.4/54

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1239.572+/-409.962 χ^2/NDF: 24.5/31

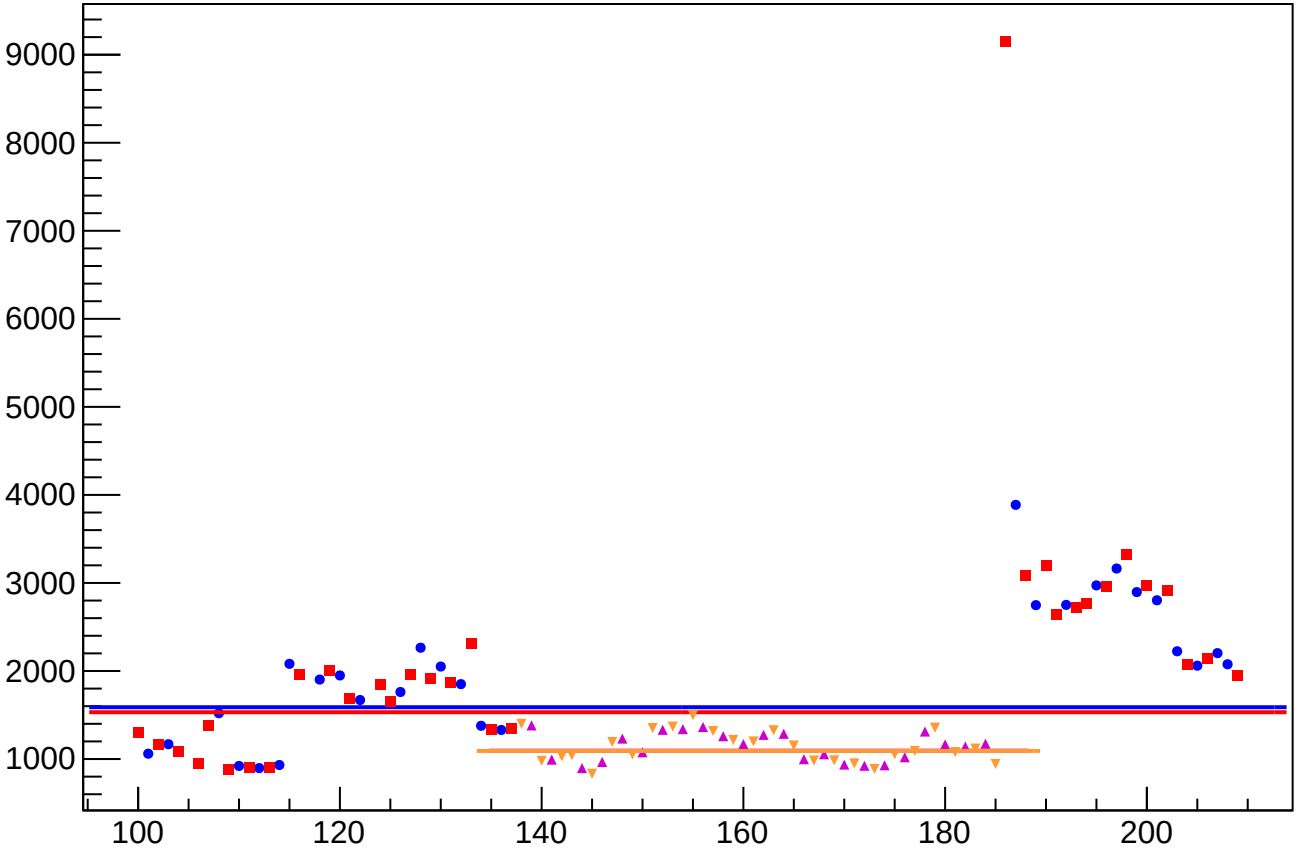
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1106.439+/-217.639 χ^2/NDF: 92.9/51

All: -801.019+/-154.343 χ^2/NDF: 149.3/106

- sign -492.004+/-218.916 χ^2/NDF: 52.5/54

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1531.521+/-0.290 χ^2/NDF: 6327587.6/31

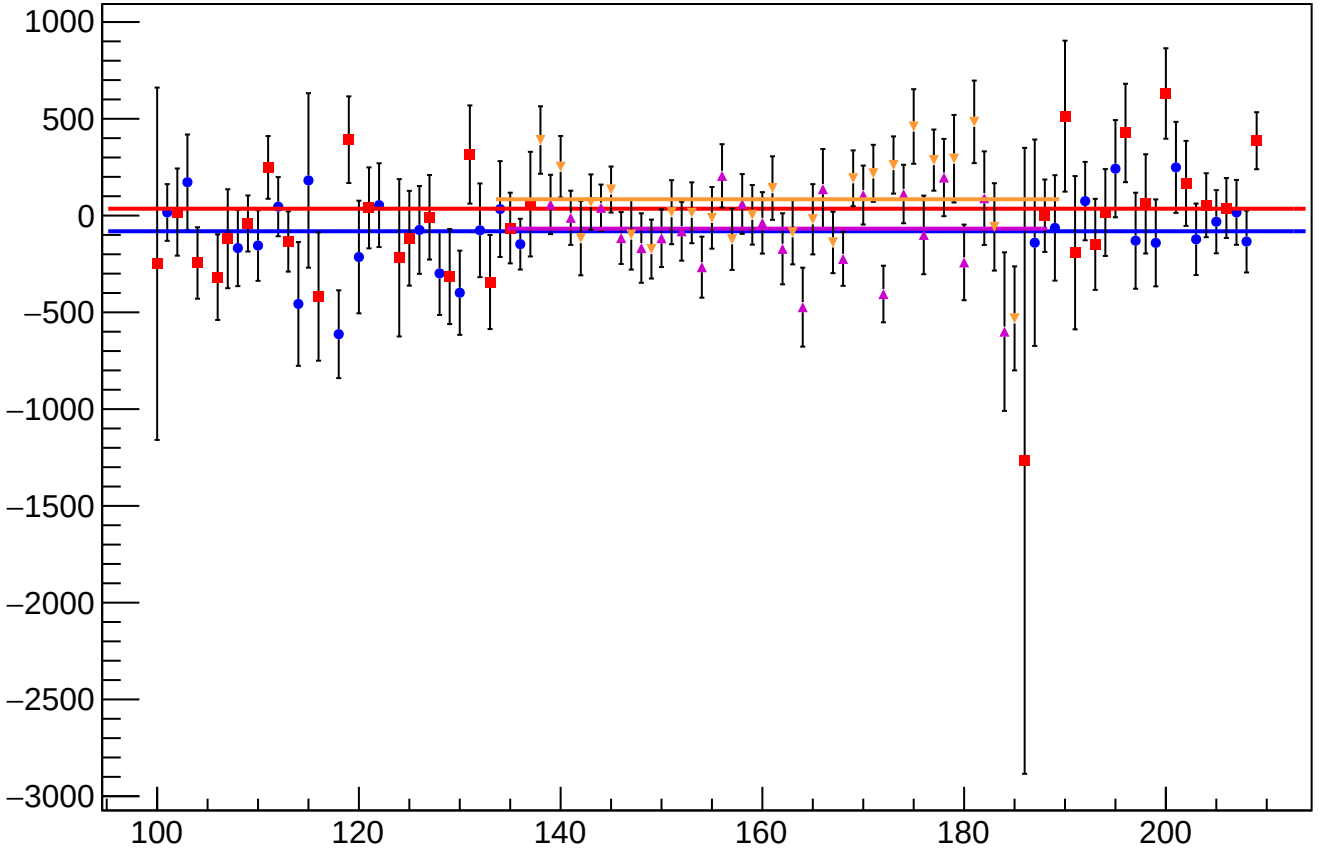
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1217.434+/-0.154 χ^2/NDF: 7340210.2/51

All: 1218.262+/-0.109 χ^2/NDF: 16025661.4/1

- sign 1219.100+/-0.155 χ^2/NDF: 8685393.0/54

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 35.415+/-38.483 χ^2/NDF: 37.8/31

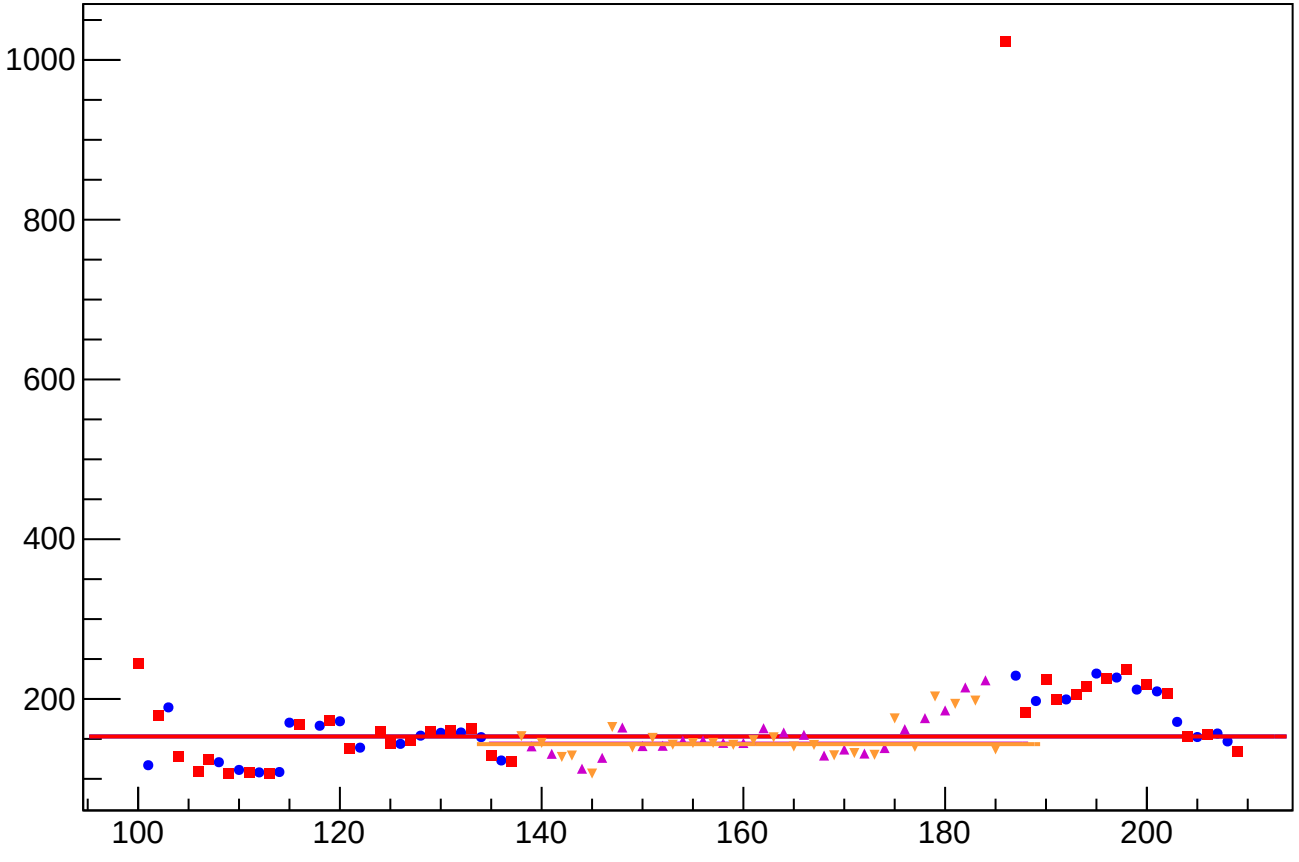
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 16.566+/-25.382 χ^2/NDF: 63.0/51

All: -2.730+/-18.003 χ^2/NDF: 132.5/106

- sign -22.263+/-25.537 χ^2/NDF: 68.3/54

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

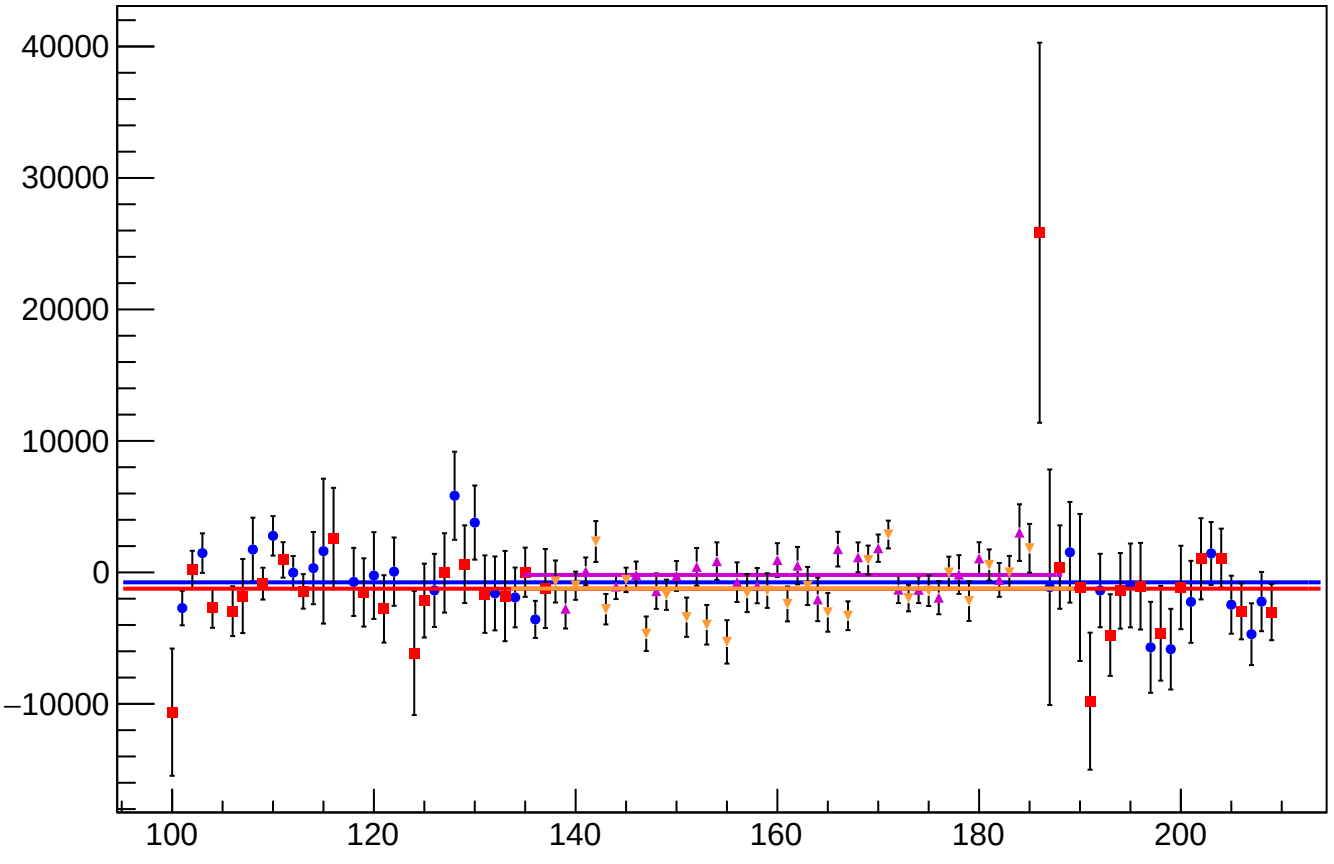
Right Out: 153.035+/-0.027 χ^2/NDF: 2480342.9/31

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.395+/-0.018 χ^2/NDF: 2336840.4/51

All: 147.732+/-0.013 χ^2/NDF: 5579992.0/106

- sign 148.074+/-0.018 χ^2/NDF: 3242440.4/54



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1239.572+/-409.962 χ^2/NDF: 24.5/31

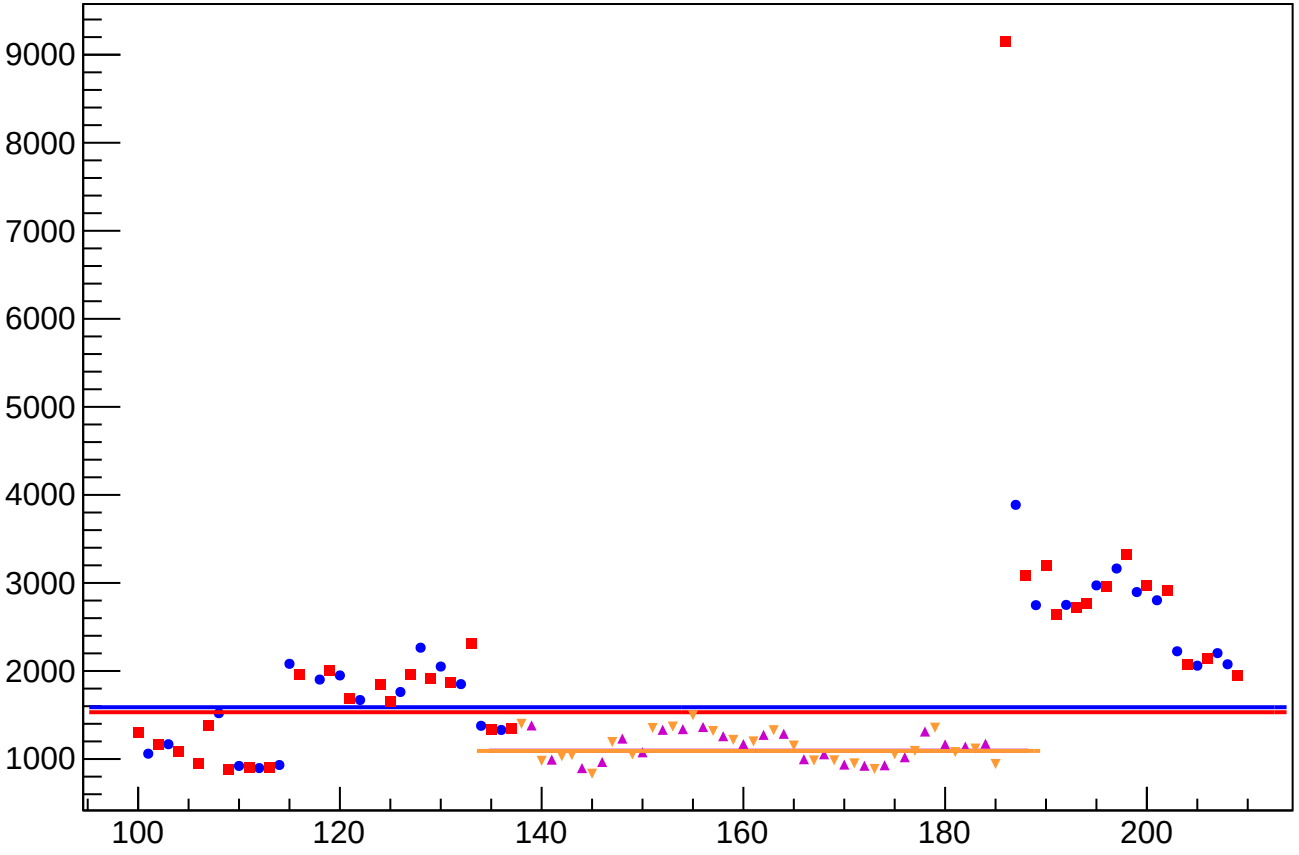
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1106.439+/-217.639 χ^2/NDF: 92.9/51

All: -801.019+/-154.343 χ^2/NDF: 149.3/106

- sign -492.004+/-218.916 χ^2/NDF: 52.5/54

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1531.521+/-0.290 χ^2/NDF: 6327587.6/31

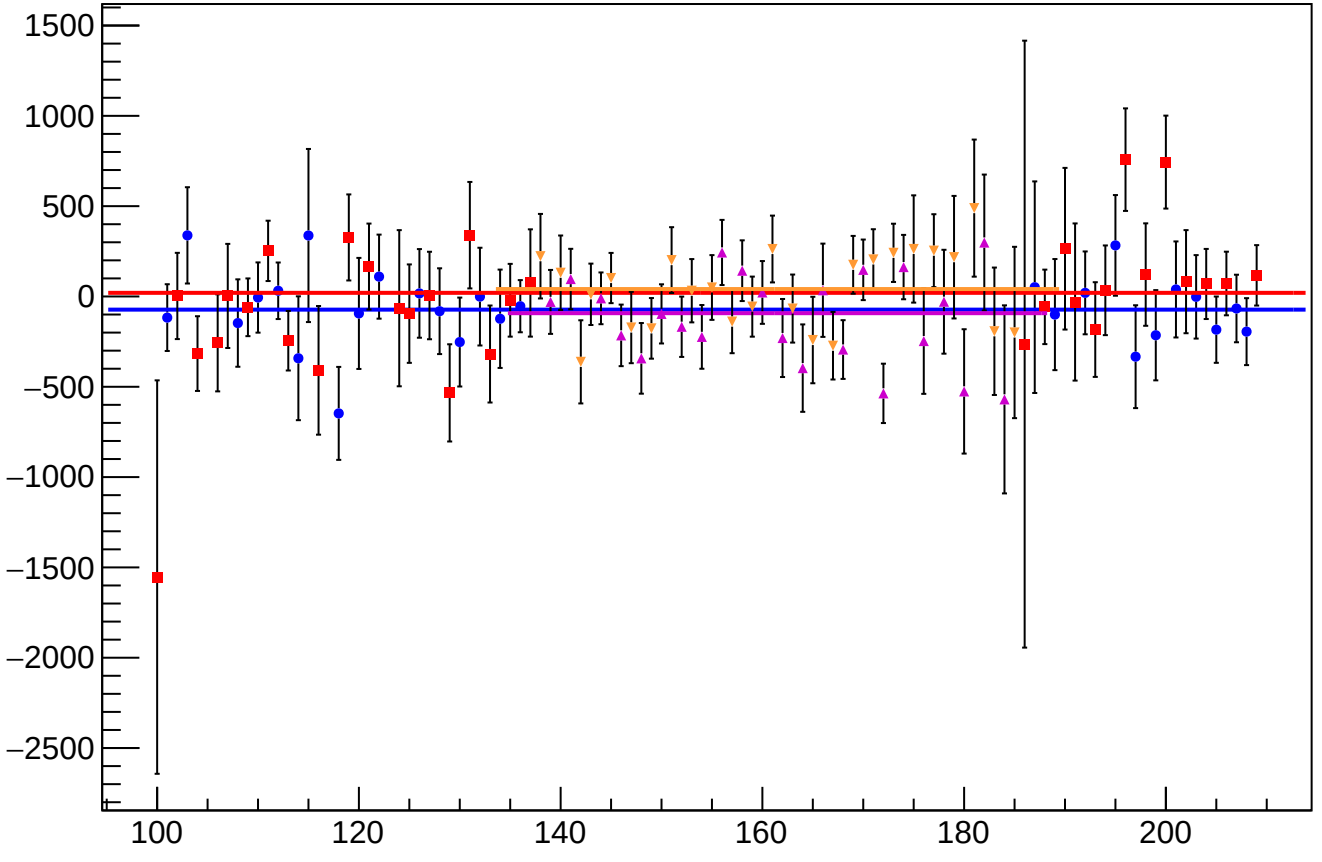
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1217.434+/-0.154 χ^2/NDF: 7340210.2/51

All: 1218.262+/-0.109 χ^2/NDF: 16025661.4/1

- sign 1219.100+/-0.155 χ^2/NDF: 8685393.0/54

dit_asym_sam_48_avg_mean vs Slug



Right In: -72.865+/-44.513 χ^2/NDF: 14.9/26

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 20.093+/-42.820 χ^2/NDF: 37.8/31

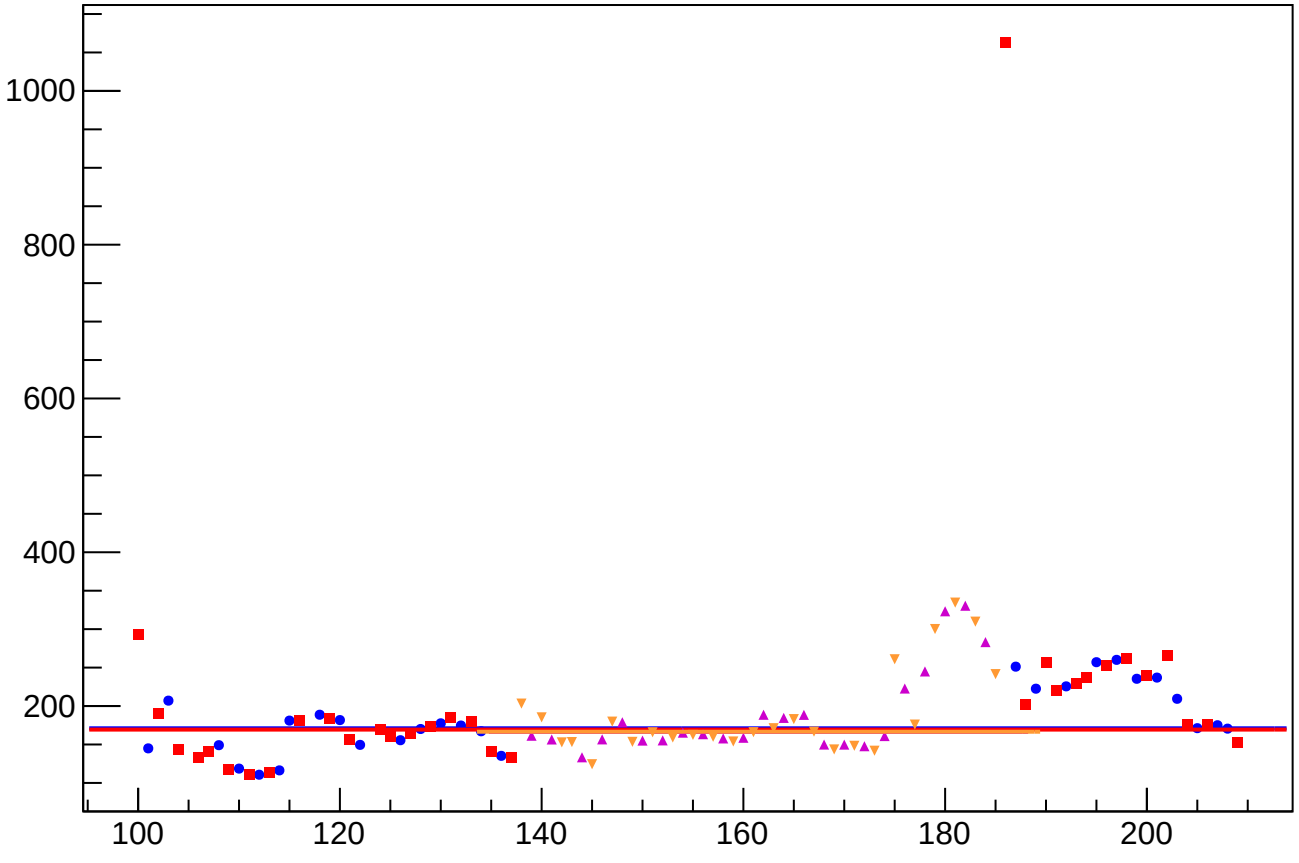
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -8.654+/-29.409 χ^2/NDF: 40.9/51

All: -24.303+/-20.755 χ^2/NDF: 112.4/106

- sign -39.832+/-29.295 χ^2/NDF: 70.9/54

dit_asym_sam_48_avg_rms vs Slug



Right In: 171.053+/-0.031 χ^2/NDF: 1654340.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

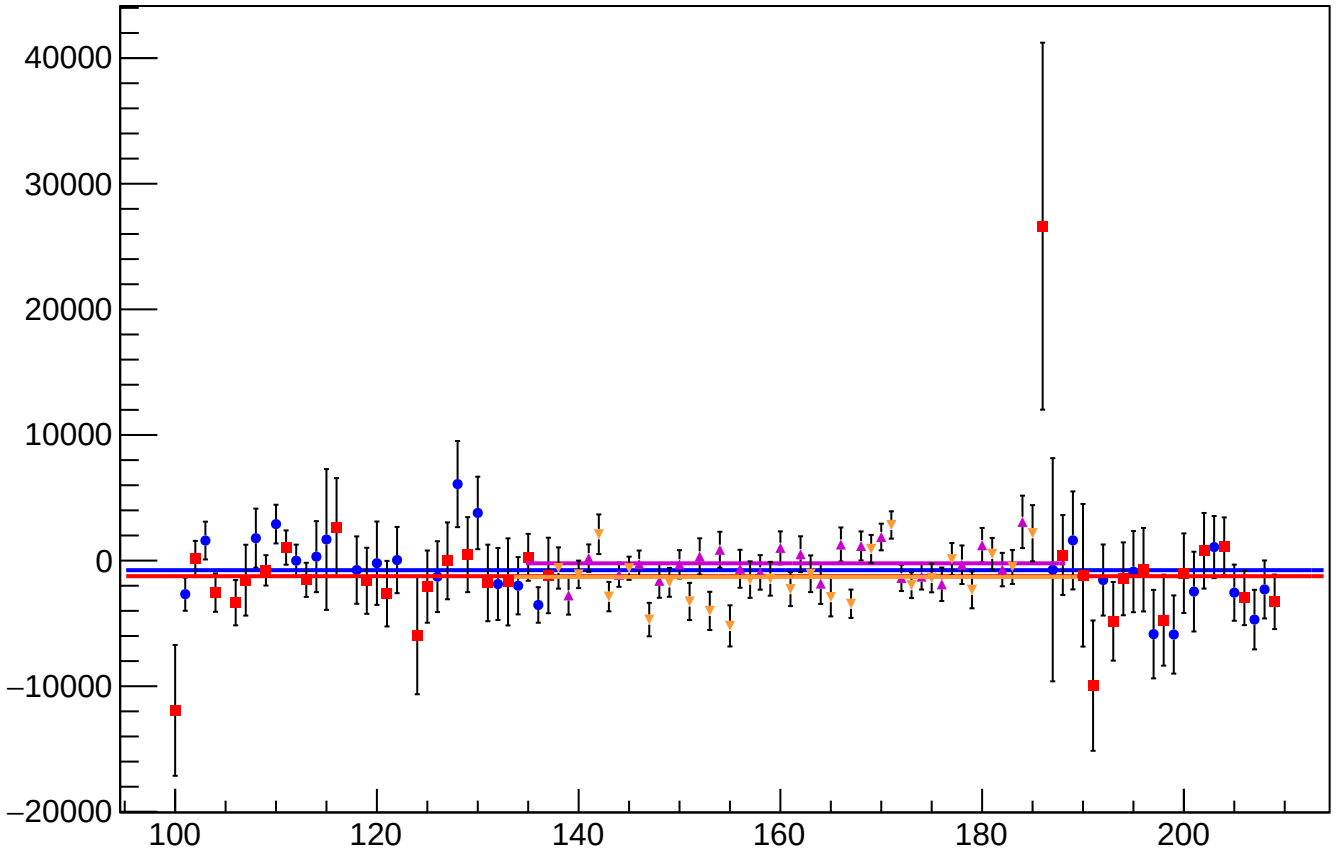
Right Out: 169.364+/-0.030 χ^2/NDF: 2666933.9/31

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 168.543+/-0.021 χ^2/NDF: 3385459.9/51

All: 168.139+/-0.015 χ^2/NDF: 7451030.2/106

- sign 167.739+/-0.021 χ^2/NDF: 4064819.6/54



Right In: -761.101+/-437.934 χ^2/NDF: 32.9/26

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1239.472+/-413.134 χ^2/NDF: 25.8/31

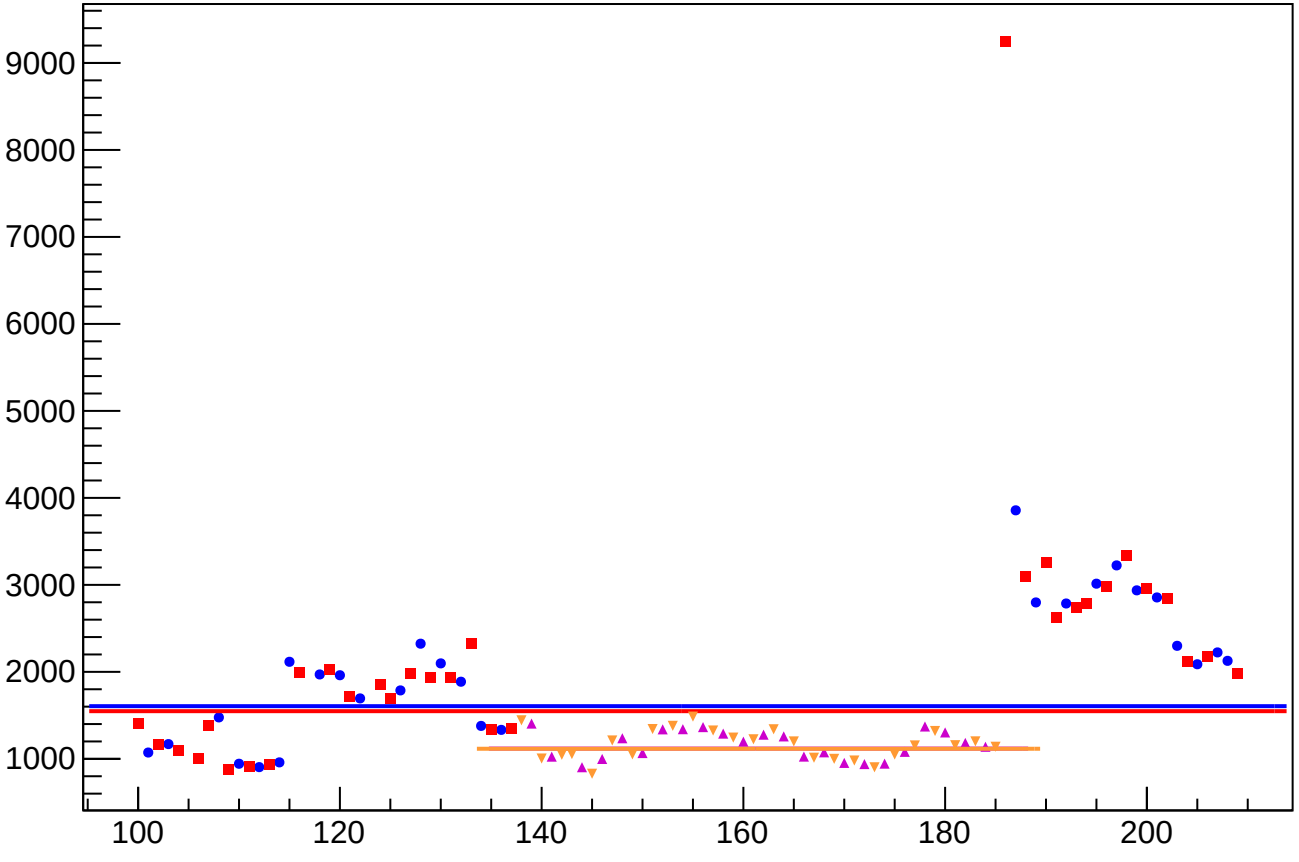
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1160.742+/-221.627 χ^2/NDF: 89.1/51

All: -839.061+/-157.089 χ^2/NDF: 145.8/106

- sign -514.282+/-222.691 χ^2/NDF: 52.4/54

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1605.521+/-0.310 χ^2/NDF: 4549142.0/26

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1548.044+/-0.292 χ^2/NDF: 6283158.2/31

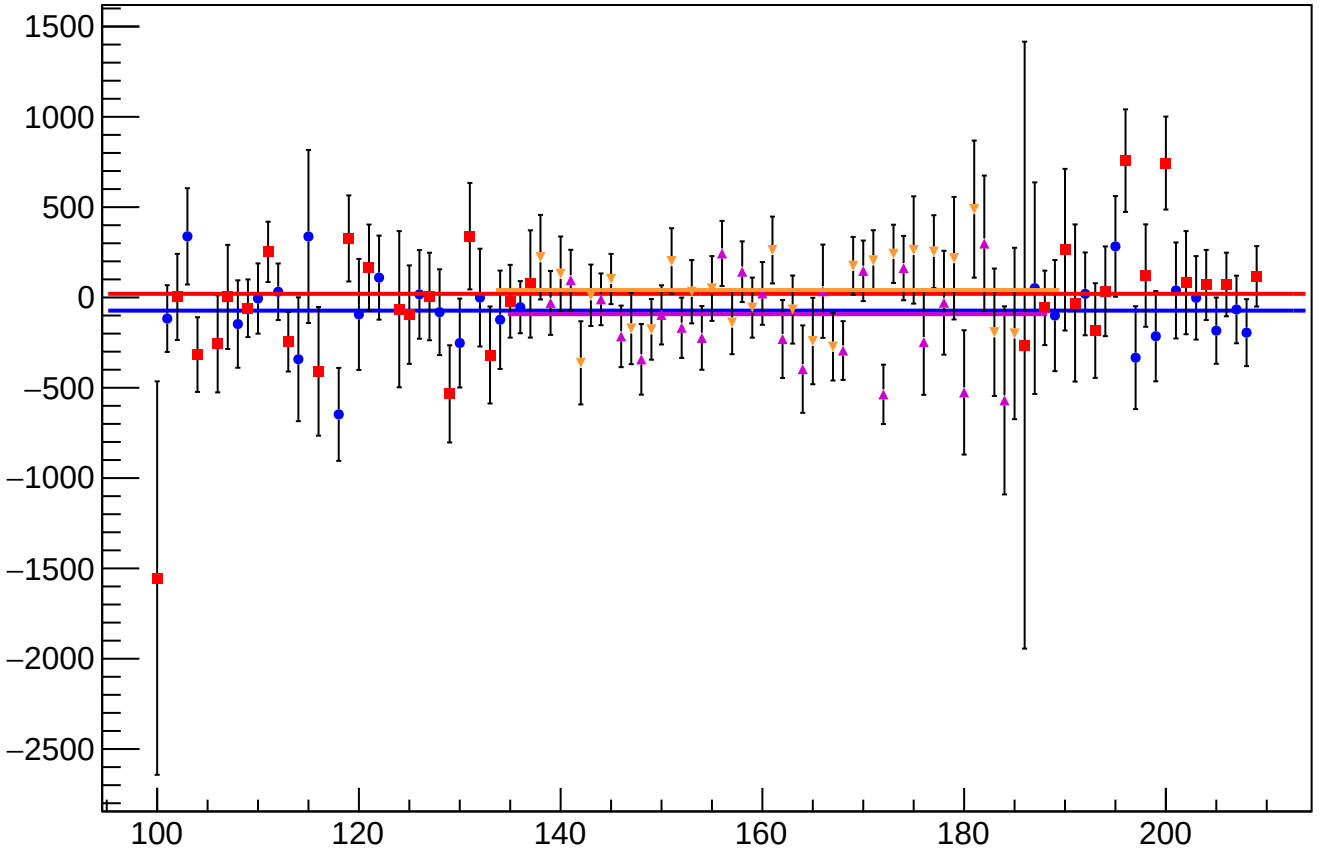
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1241.397+/-0.157 χ^2/NDF: 7275315.3/51

All: 1242.110+/-0.111 χ^2/NDF: 15826534.1/1

- sign 1242.830+/-0.157 χ^2/NDF: 8551177.1/54

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -72.863+/-44.512 χ^2/NDF: 14.9/26

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 20.095+/-42.820 χ^2/NDF: 37.8/31

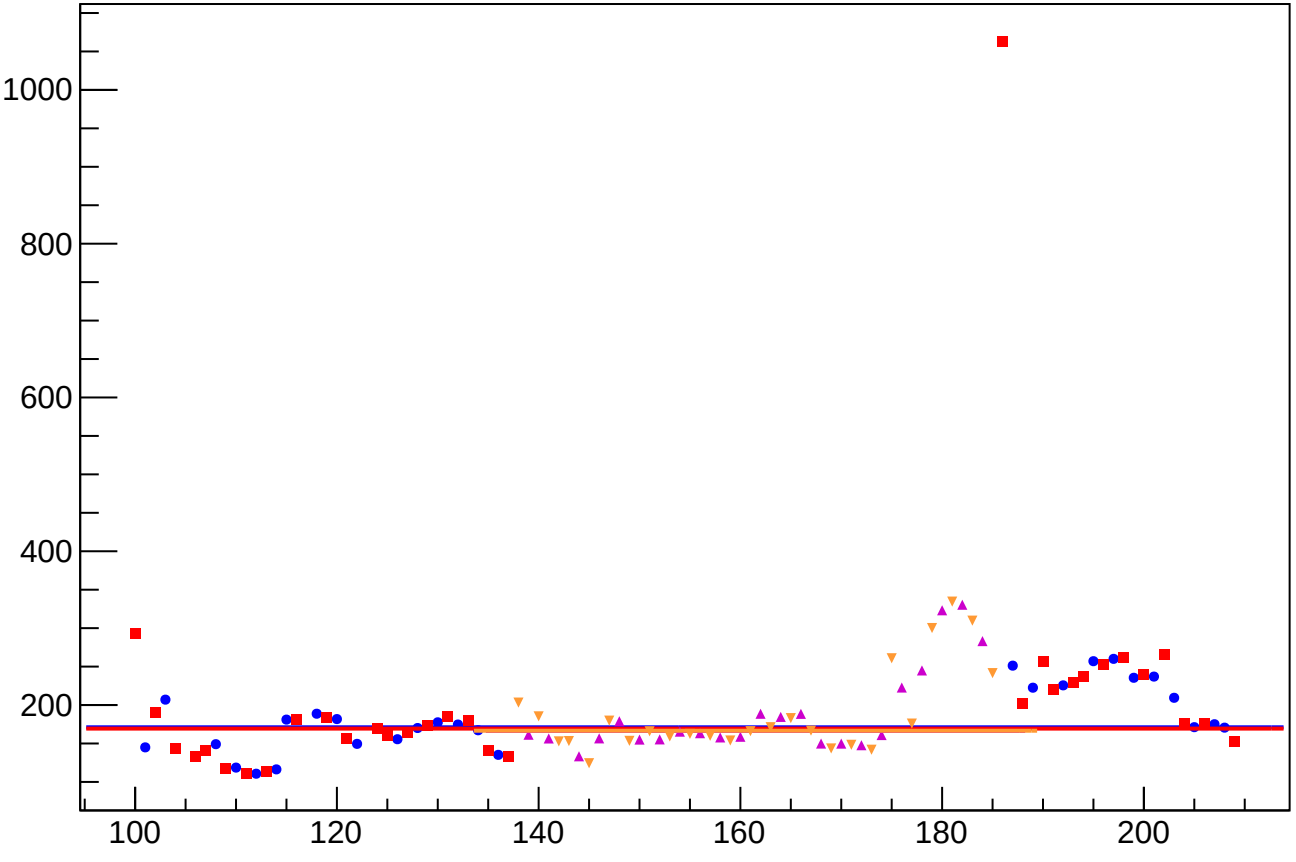
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -8.652+/-29.409 χ^2/NDF: 40.9/51

All: -24.302+/-20.755 χ^2/NDF: 112.4/106

- sign -39.831+/-29.295 χ^2/NDF: 70.9/54

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 171.052+/-0.031 χ^2/NDF: 1654328.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

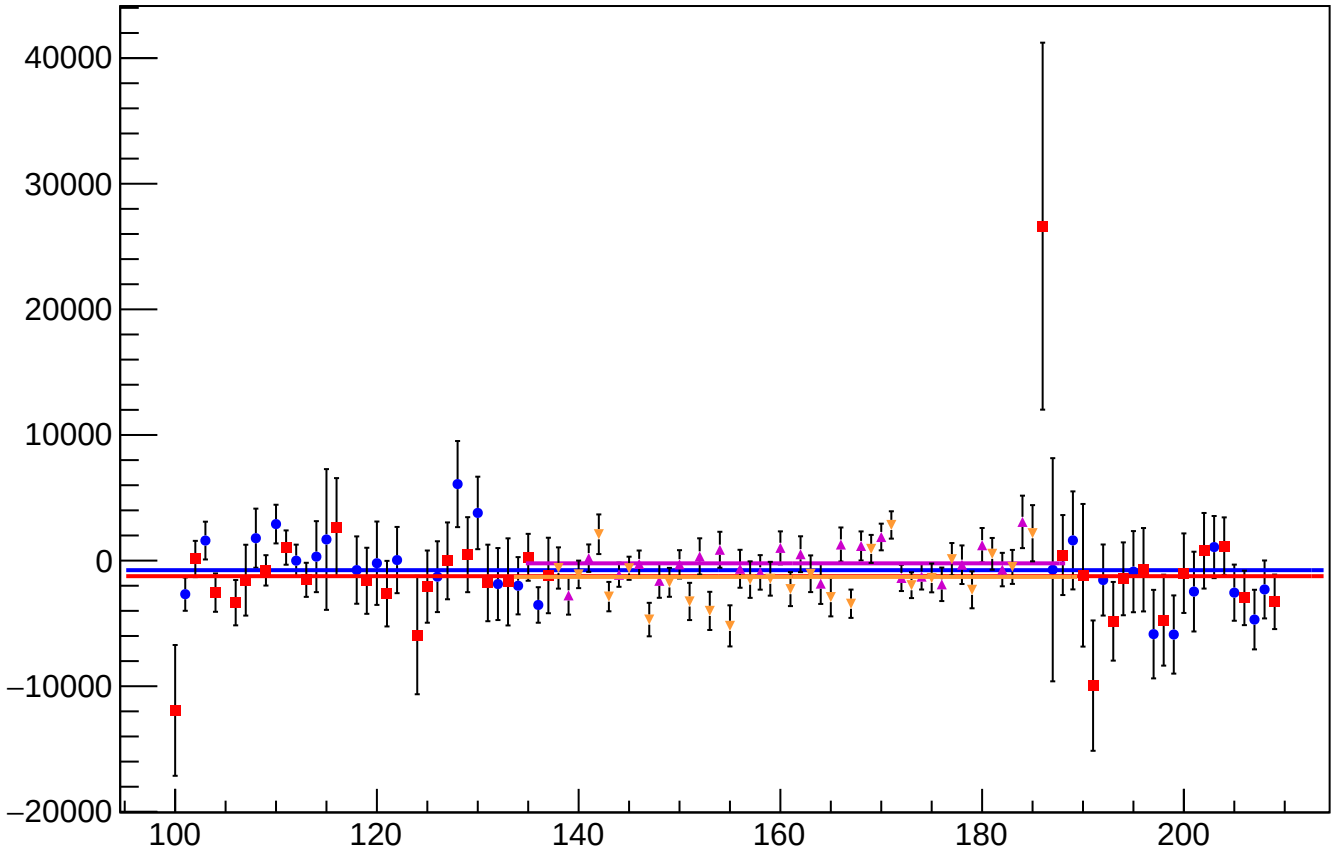
Right Out: 169.364+/-0.030 χ^2/NDF: 2666939.9/31

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 168.543+/-0.021 χ^2/NDF: 3385440.1/51

All: 168.139+/-0.015 χ^2/NDF: 7450995.2/106

- sign 167.739+/-0.021 χ^2/NDF: 4064804.4/54



Right In: -761.099+/-437.933 χ^2/NDF: 32.9/26

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1239.470+/-413.134 χ^2/NDF: 25.8/31

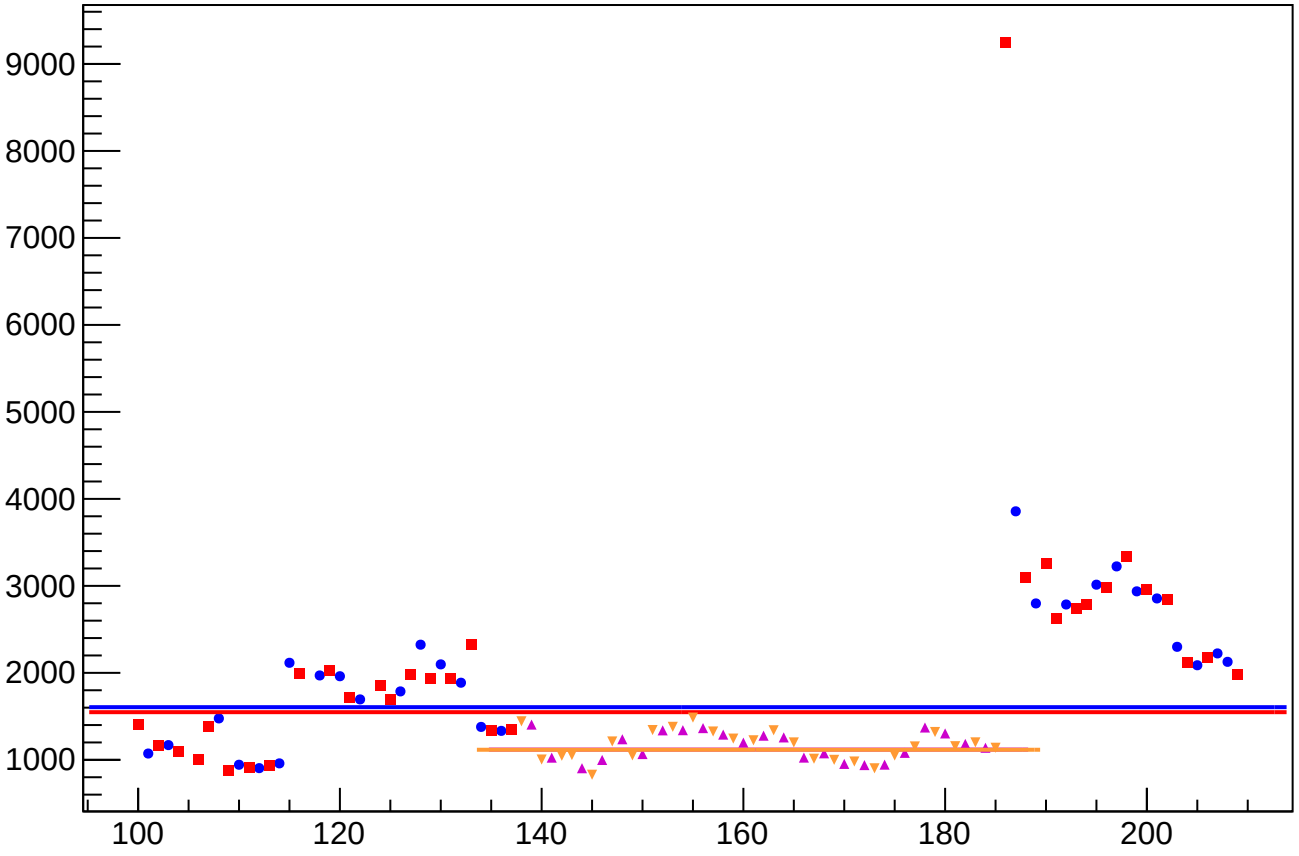
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1160.740+/-221.626 χ^2/NDF: 89.1/51

All: -839.058+/-157.088 χ^2/NDF: 145.8/106

- sign -514.280+/-222.691 χ^2/NDF: 52.4/54

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1605.520+/-0.310 χ^2/NDF: 4549144.8/26

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1548.042+/-0.292 χ^2/NDF: 6283158.2/31

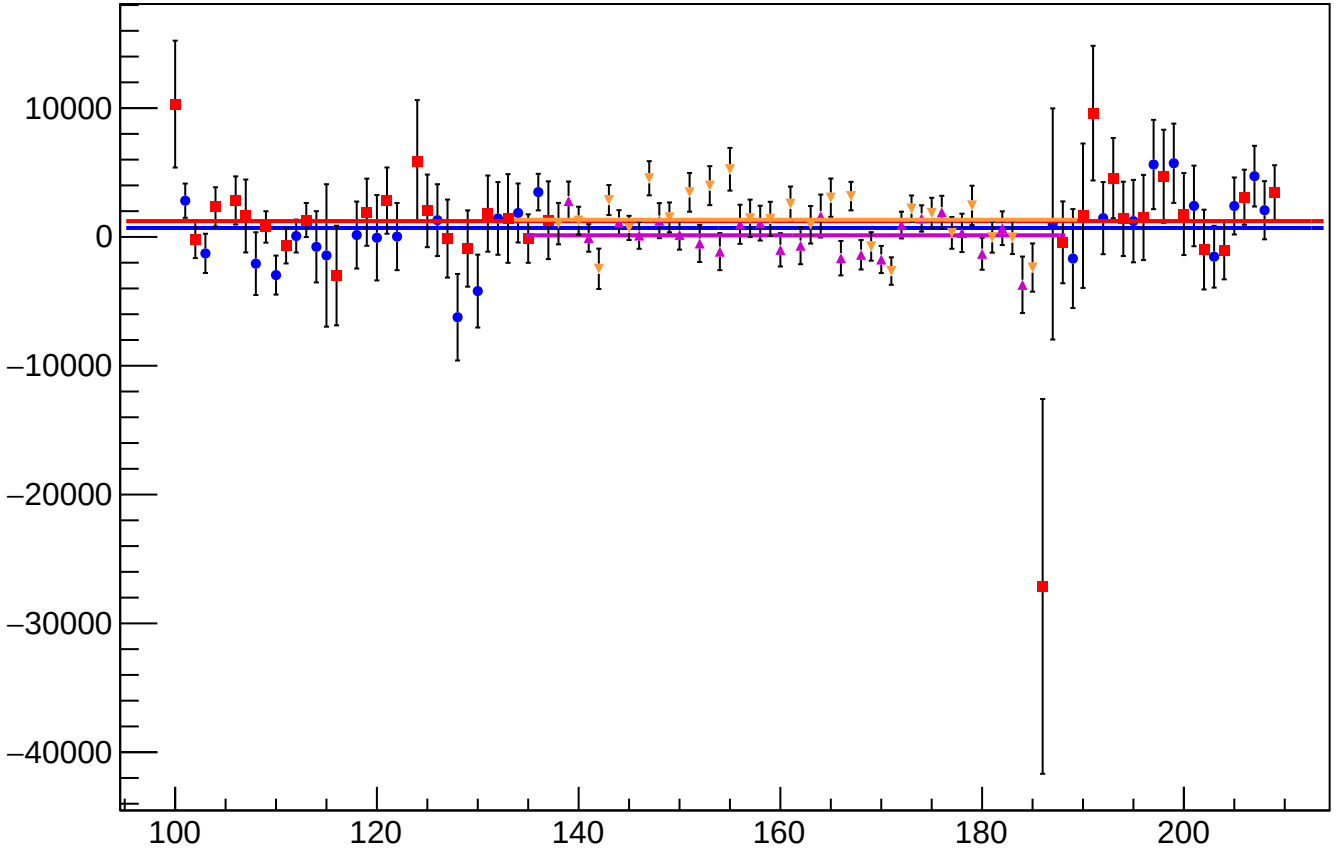
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1241.394+/-0.157 χ^2/NDF: 7275326.7/51

All: 1242.108+/-0.111 χ^2/NDF: 15826550.6/1

- sign 1242.828+/-0.157 χ^2/NDF: 8551182.2/54

asym_sam_48_avg_mean vs Slug



Right In: 696.937+/-435.616 χ^2/NDF: 33.9/26

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1231.751+/-412.015 χ^2/NDF: 23.9/31

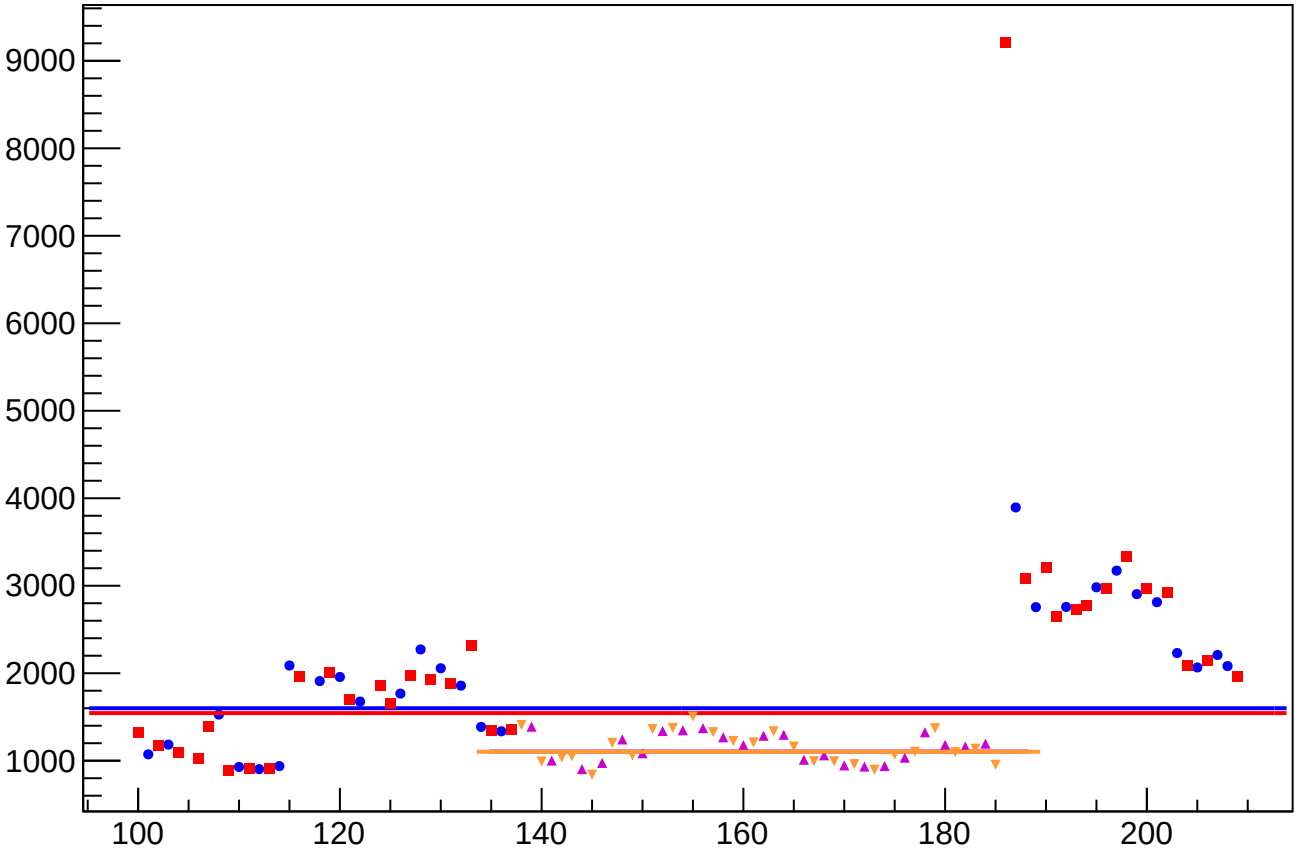
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1172.710+/-219.544 χ^2/NDF: 91.1/51

All: 810.852+/-155.660 χ^2/NDF: 149.6/106

- sign 445.061+/-220.734 χ^2/NDF: 53.0/54

asym_sam_48_avg_rms vs Slug



Right In: 1599.885+/-0.308 χ^2/NDF: 4428269.7/26

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

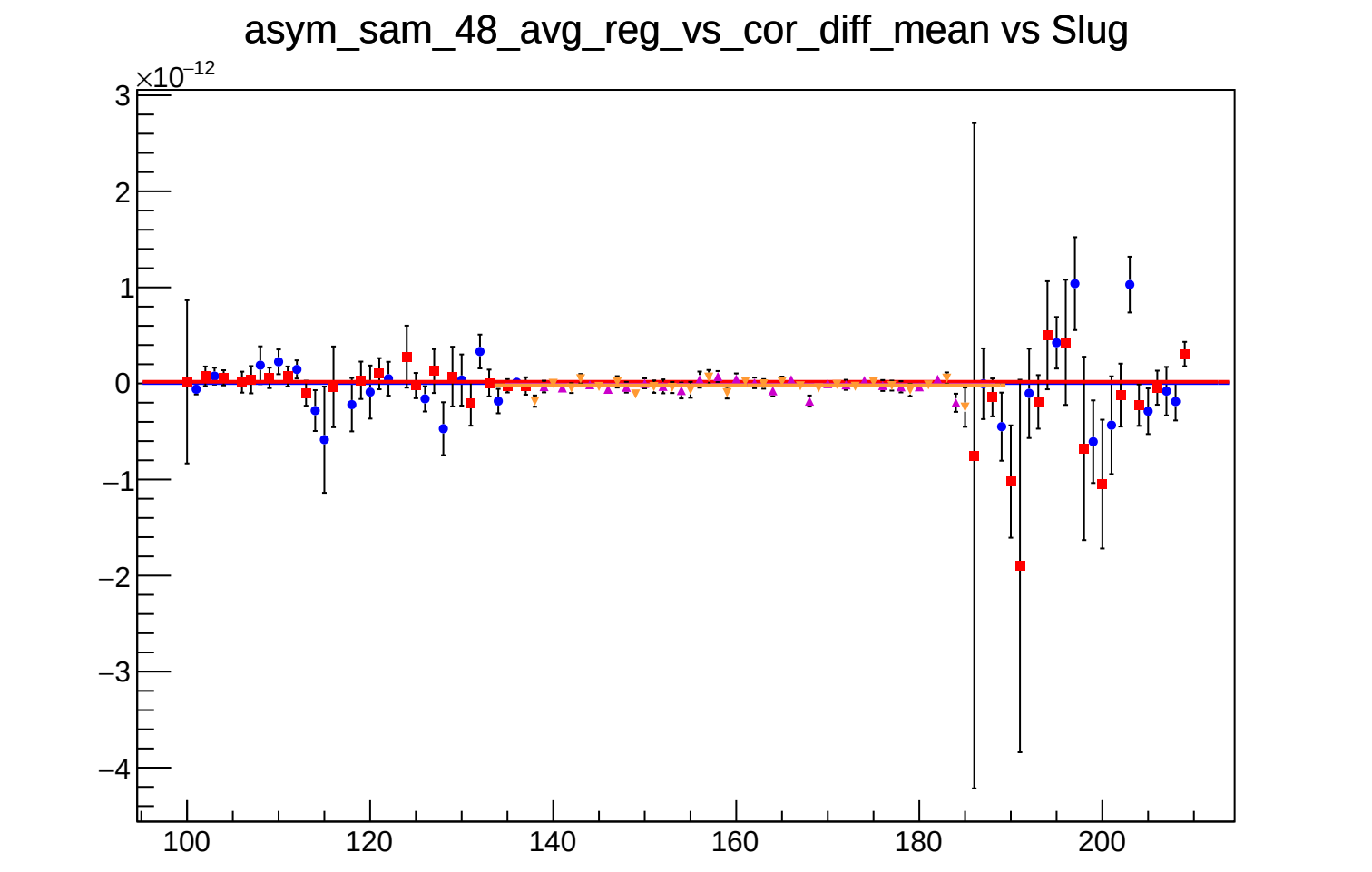
Right Out: 1544.218+/-0.291 χ^2/NDF: 6240293.6/31

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1228.986+/-0.155 χ^2/NDF: 7252289.4/51

All: 1230.090+/-0.110 χ^2/NDF: 15834987.0/1

- sign 1231.207+/-0.156 χ^2/NDF: 8582595.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

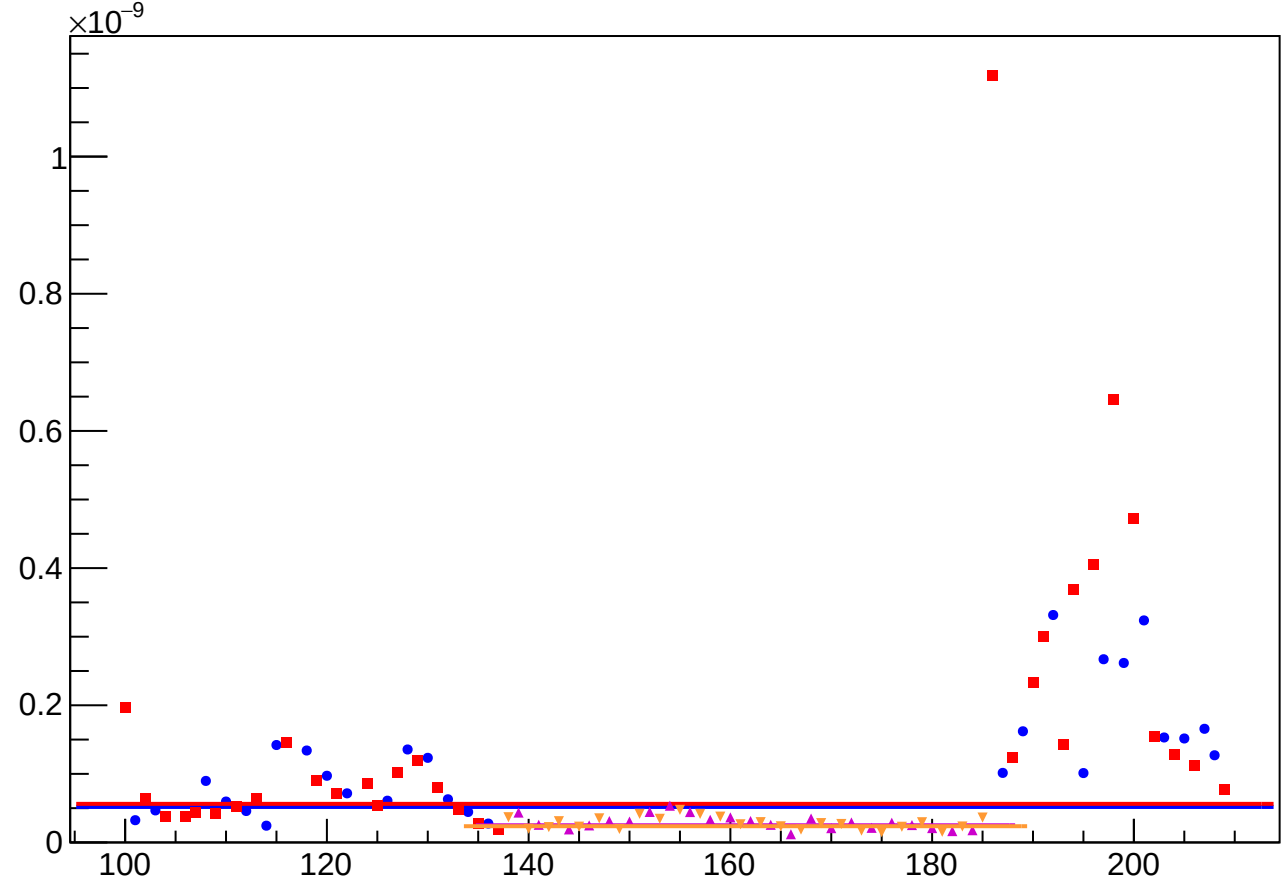
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/31

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/51

All: -0.000+/-0.000 χ^2/NDF: 125.5/106

- sign -0.000+/-0.000 χ^2/NDF: 49.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 5349774.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

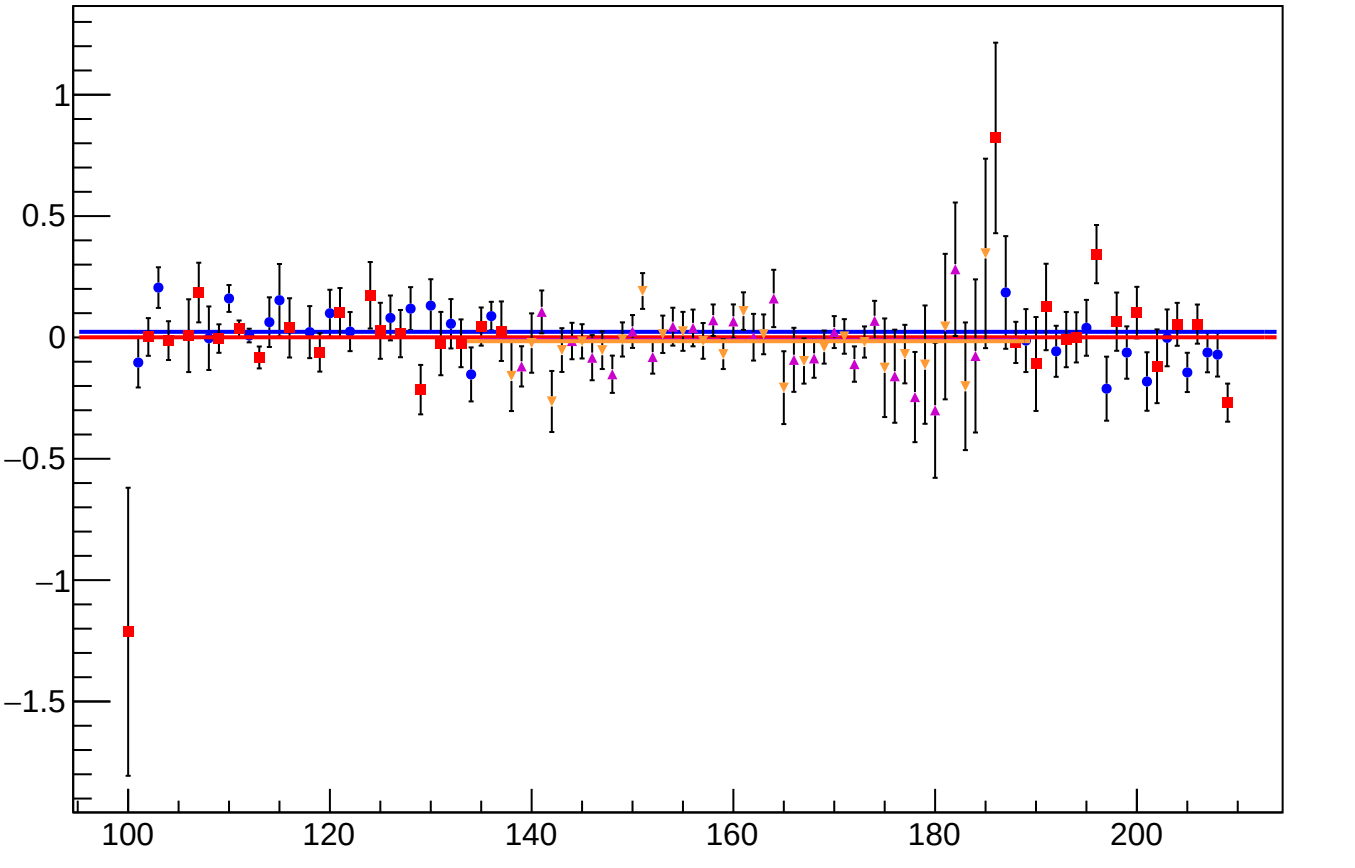
Right Out: 0.000+/-0.000 χ^2/NDF: 5572901.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8896430.8/51

All: 0.000+/-0.000 χ^2/NDF: 18418597.4/106

- sign 0.000+/-0.000 χ^2/NDF: 9471059.8/54



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.015 χ^2/NDF: 47.1/31

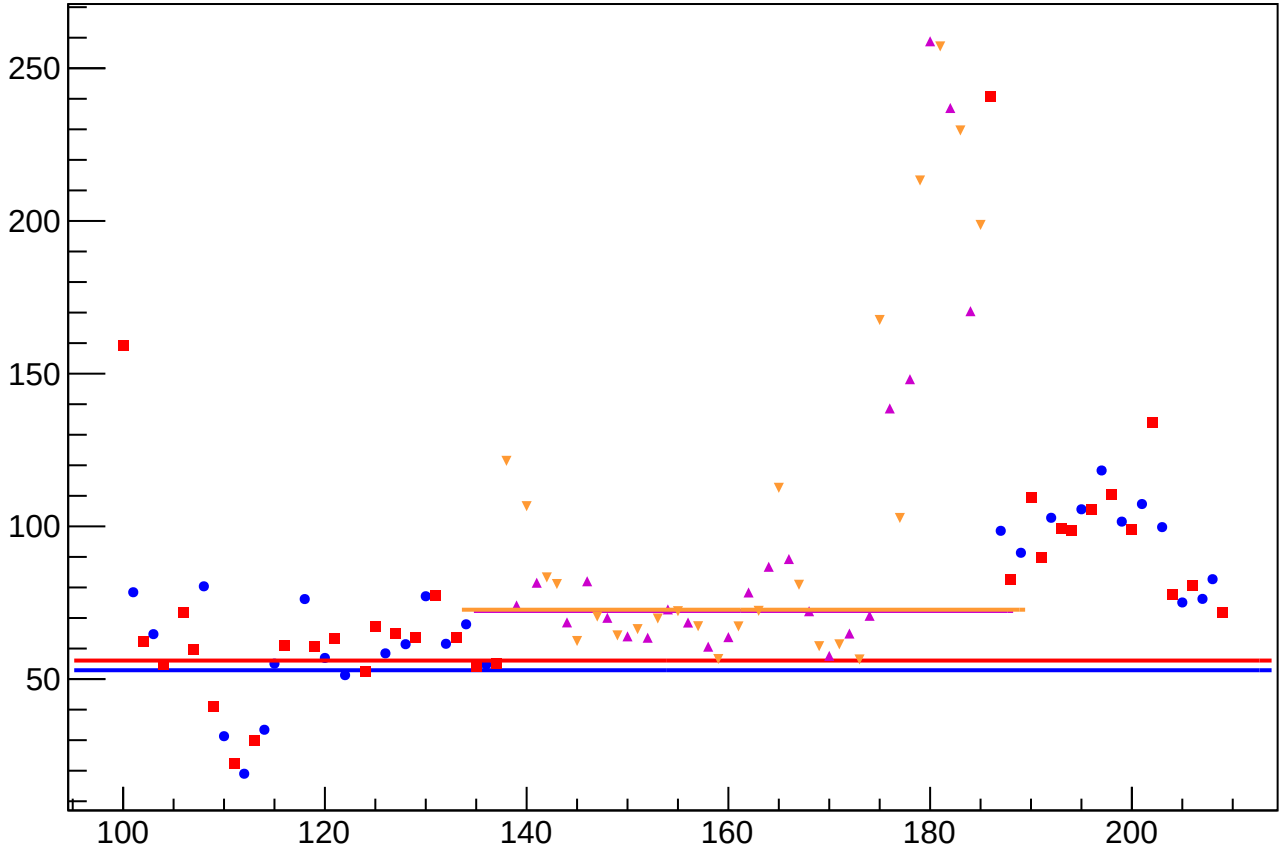
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.001+/-0.008 χ^2/NDF: 130.3/106

- sign -0.004+/-0.012 χ^2/NDF: 70.7/54

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

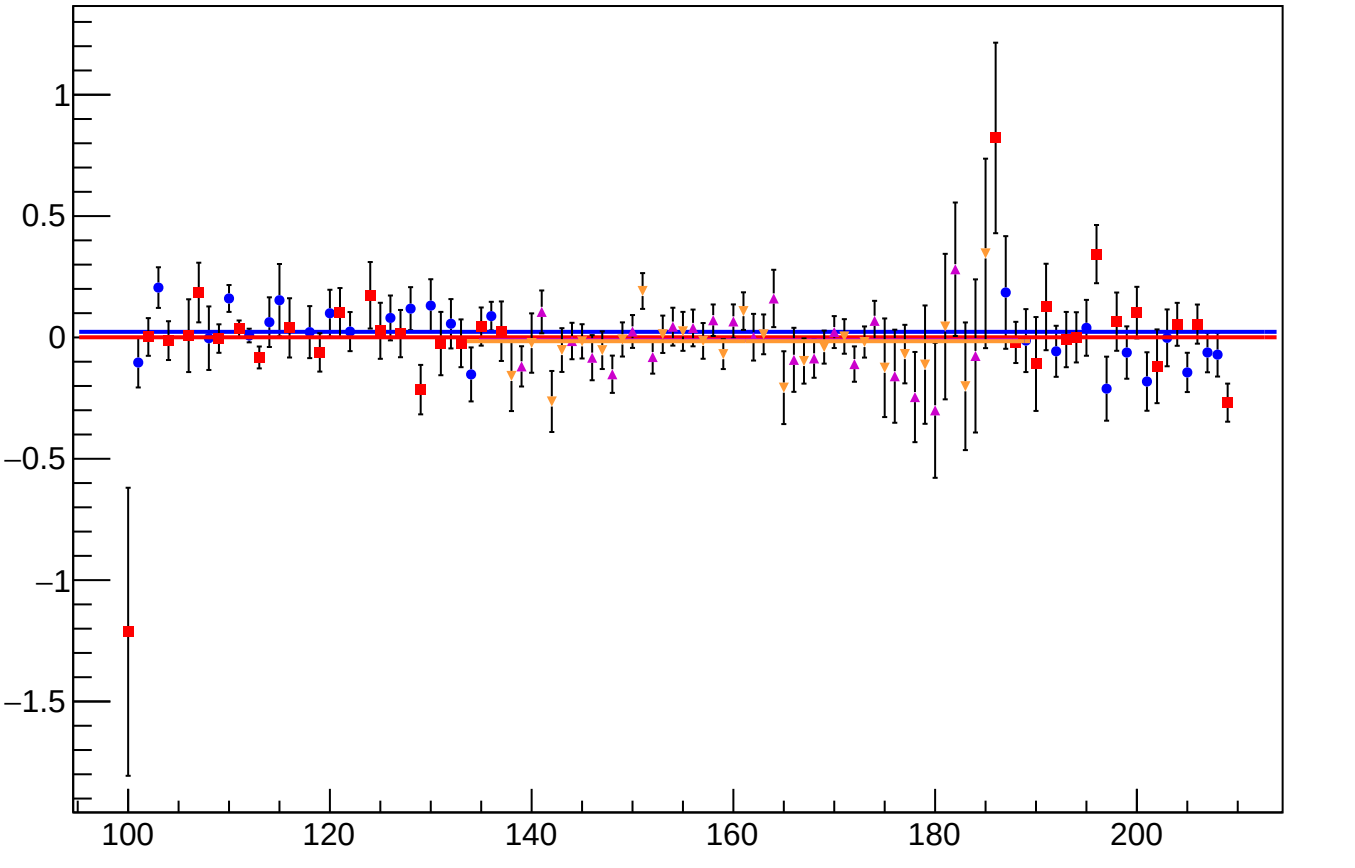
Right Out: 56.068+/-0.011 χ^2/NDF: 6458172.0/31

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 61.404+/-0.008 χ^2/NDF: 12436579.7/51

All: 62.117+/-0.006 χ^2/NDF: 22621706.6/106

- sign 62.831+/-0.008 χ^2/NDF: 10170446.8/54



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.015 χ^2/NDF: 47.1/31

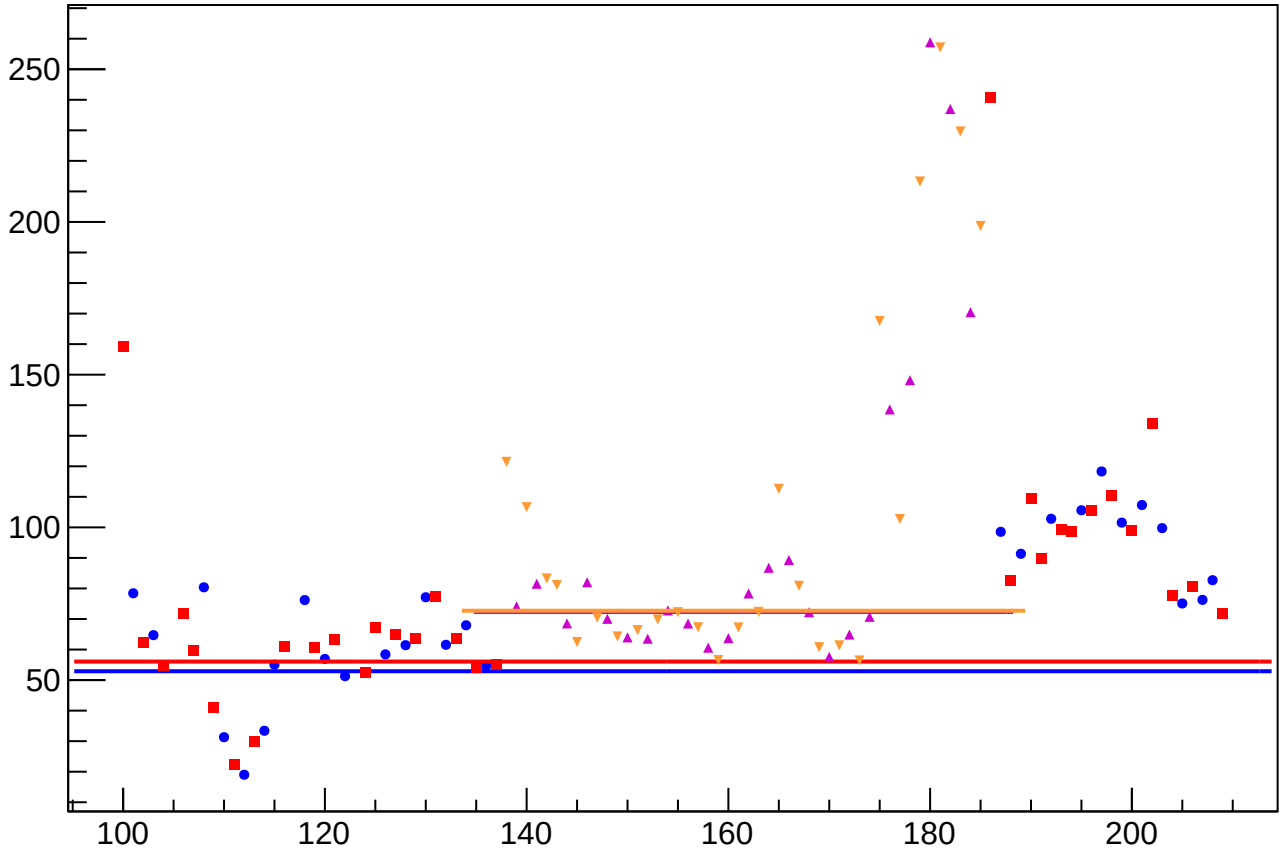
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.001+/-0.008 χ^2/NDF: 130.3/106

- sign -0.004+/-0.012 χ^2/NDF: 70.7/54

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

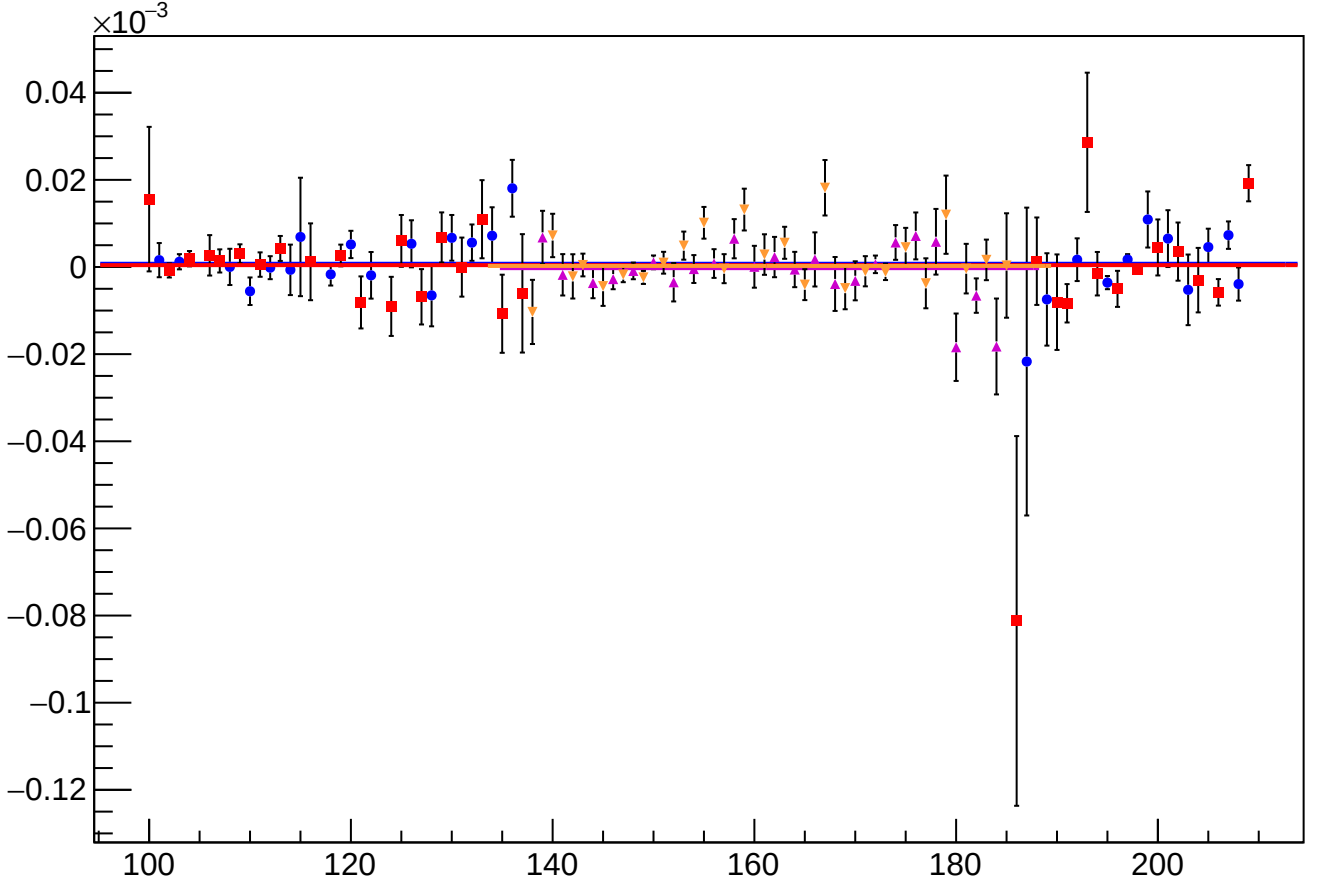
Right Out: 56.068+/-0.011 χ^2/NDF: 6458172.0/31

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 61.404+/-0.008 χ^2/NDF: 12436579.7/51

All: 62.117+/-0.006 χ^2/NDF: 22621706.6/106

- sign 62.831+/-0.008 χ^2/NDF: 10170446.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 57.0/31

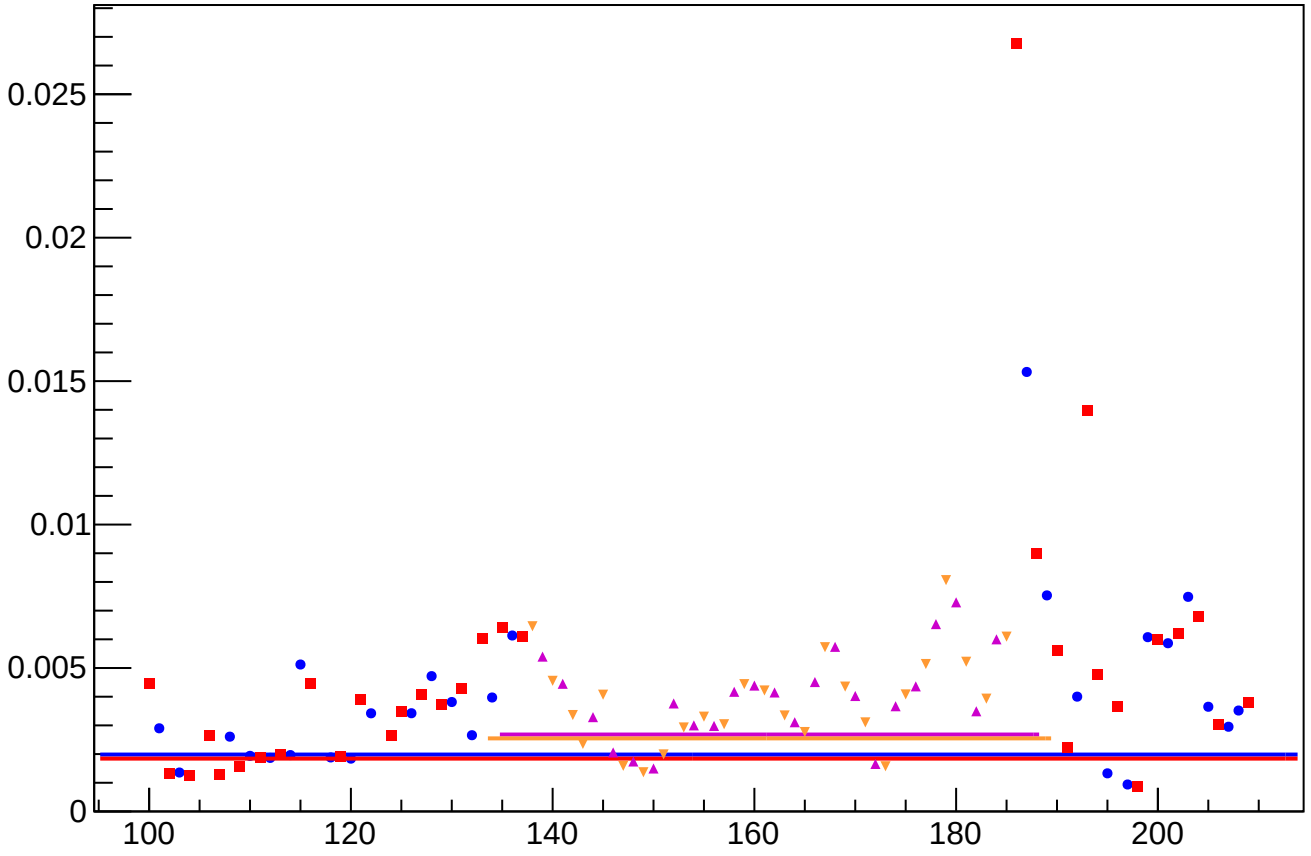
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/51

All: 0.000+/-0.000 χ^2/NDF: 166.0/106

- sign 0.000+/-0.000 χ^2/NDF: 81.7/54

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8648711.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

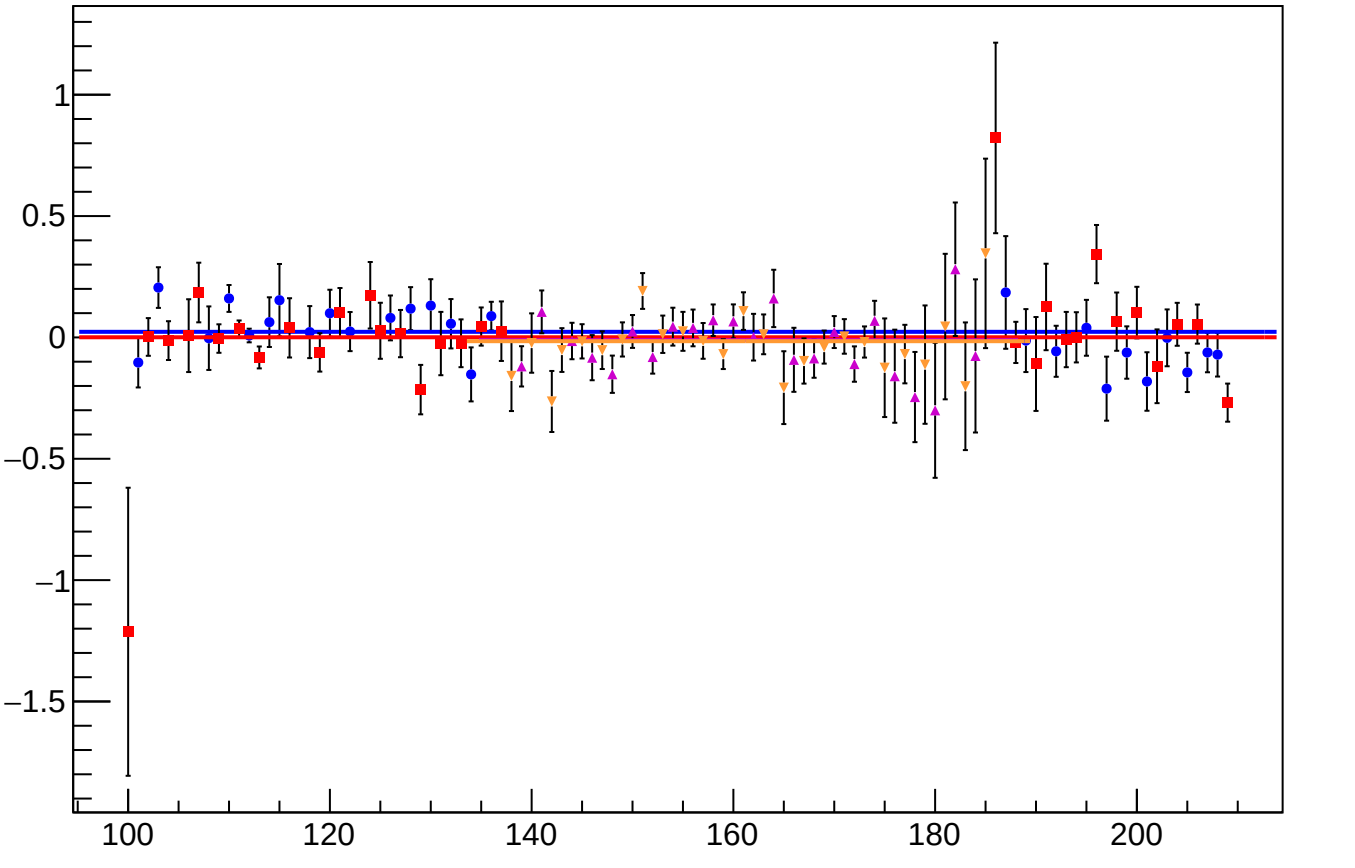
Right Out: 0.002+/-0.000 χ^2/NDF: 12512920.6/31

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 16938584.9/51

All: 0.002+/-0.000 χ^2/NDF: 37695052.2/106

- sign 0.002+/-0.000 χ^2/NDF: 20727873.3/54



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.015 χ^2/NDF: 47.1/31

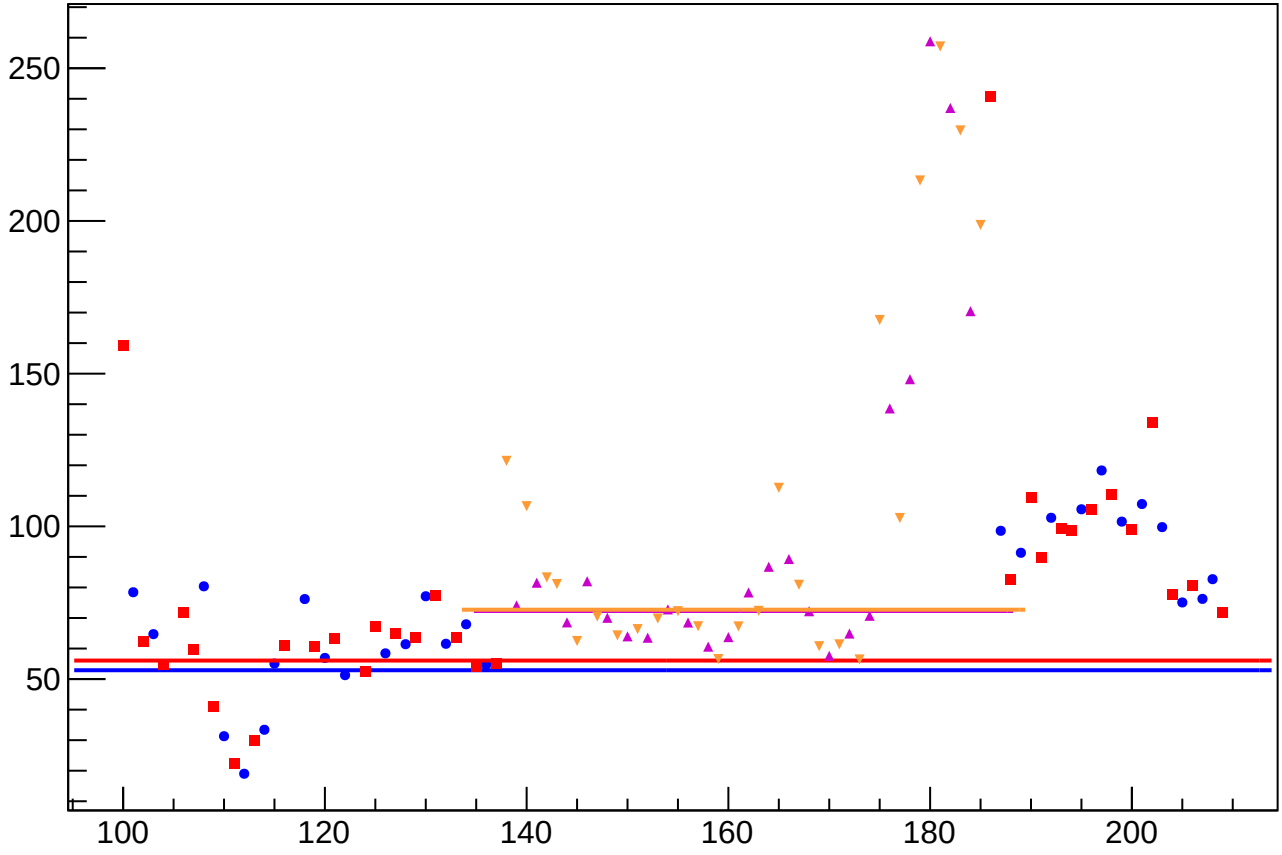
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.001+/-0.008 χ^2/NDF: 130.3/106

- sign -0.004+/-0.012 χ^2/NDF: 70.7/54

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

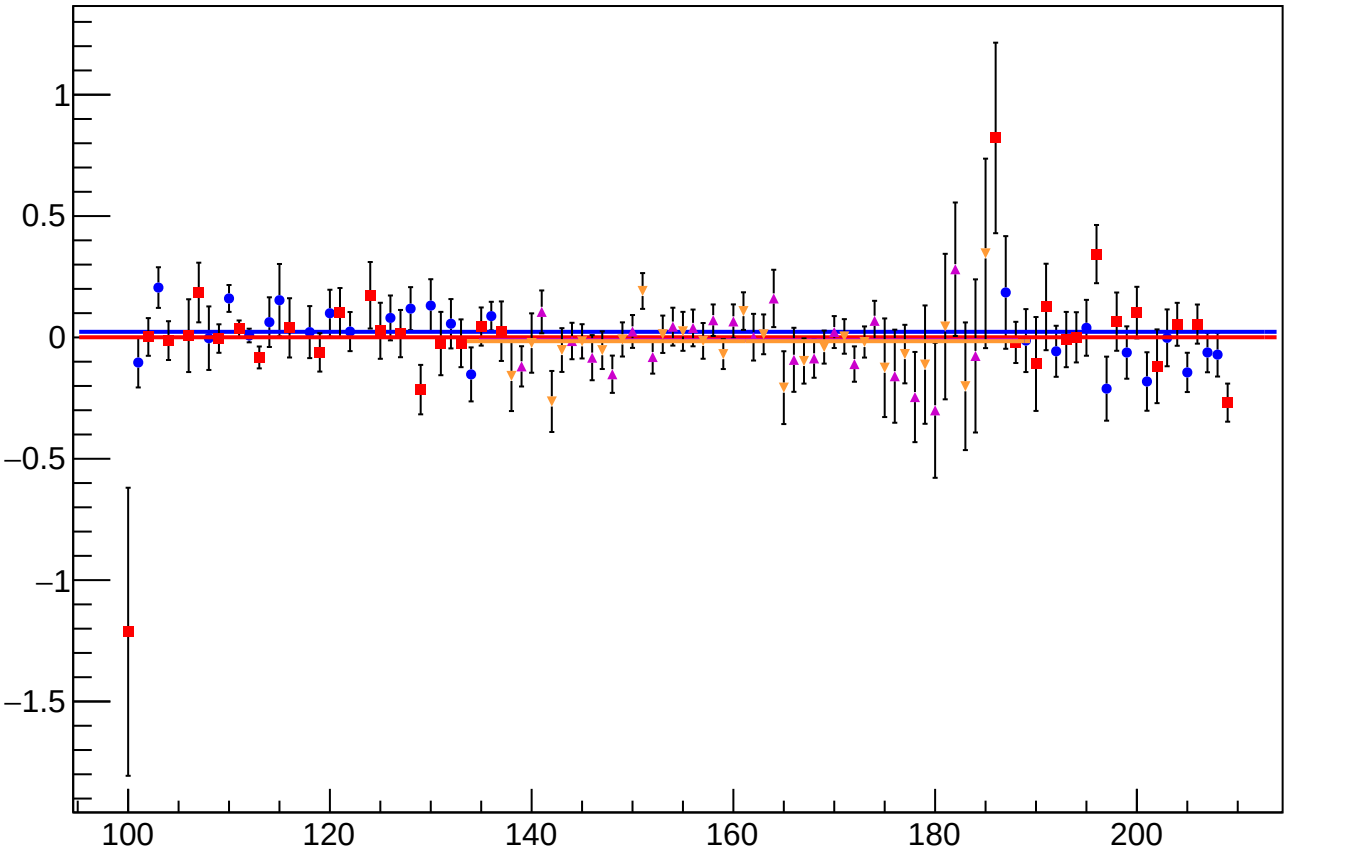
Right Out: 56.067+/-0.011 χ^2/NDF: 6458499.9/31

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 61.404+/-0.008 χ^2/NDF: 12437014.8/51

All: 62.116+/-0.006 χ^2/NDF: 22622572.4/106

- sign 62.831+/-0.008 χ^2/NDF: 10170875.6/54



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

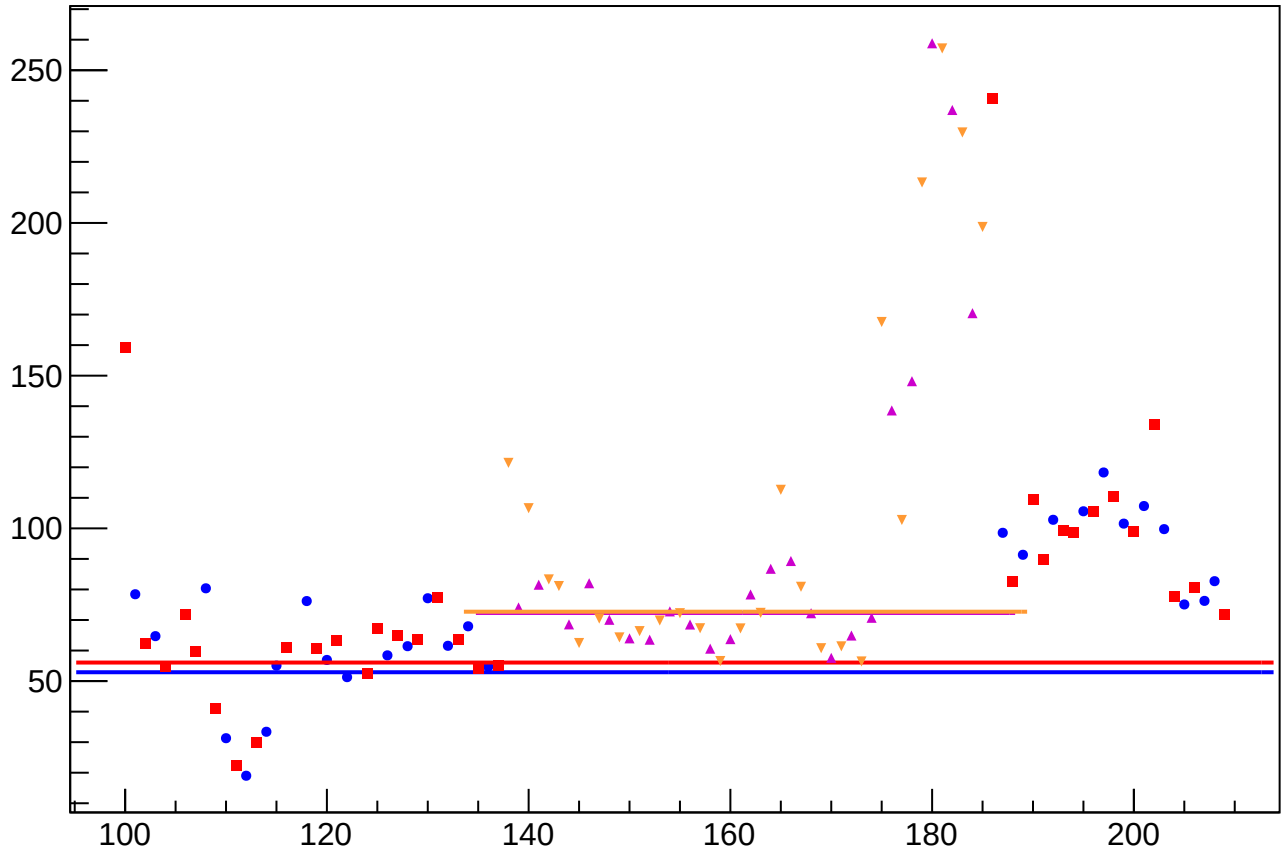
Right Out: 0.001+/-0.015 χ^2/NDF: 47.1/31

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.006+/-0.012 χ^2/NDF: 59.2/51

All: 0.001+/-0.008 χ^2/NDF: 130.3/106

- sign -0.004+/-0.012 χ^2/NDF: 70.7/54



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

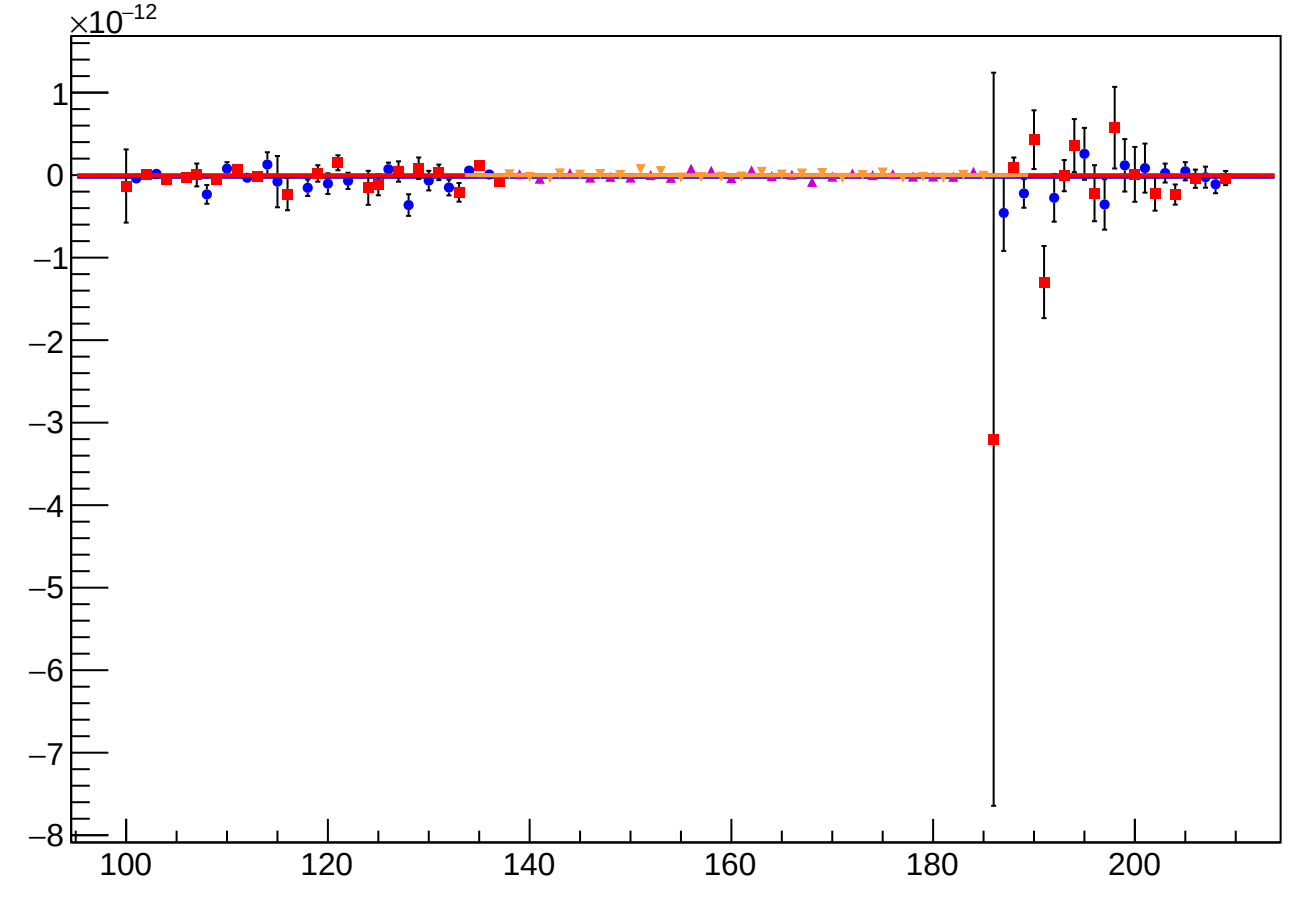
Right Out: 56.067+/-0.011 χ^2/NDF: 6458499.9/31

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 61.404+/-0.008 χ^2/NDF: 12437014.8/51

All: 62.116+/-0.006 χ^2/NDF: 22622572.4/106

- sign 62.831+/-0.008 χ^2/NDF: 10170875.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

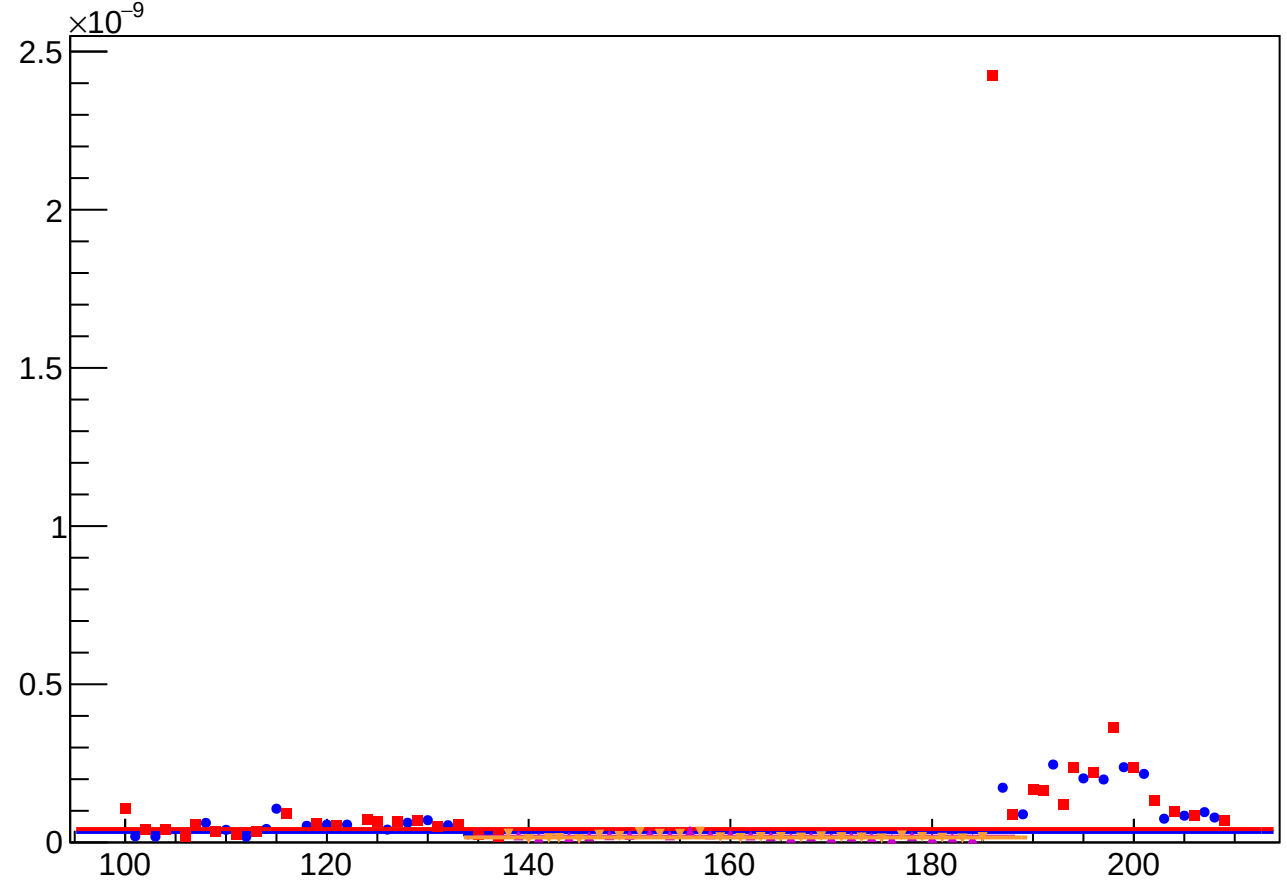
Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/31

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/51

All: -0.000+/-0.000 χ^2/NDF: 140.9/106

- sign -0.000+/-0.000 χ^2/NDF: 81.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 7890285.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7799814.7/31

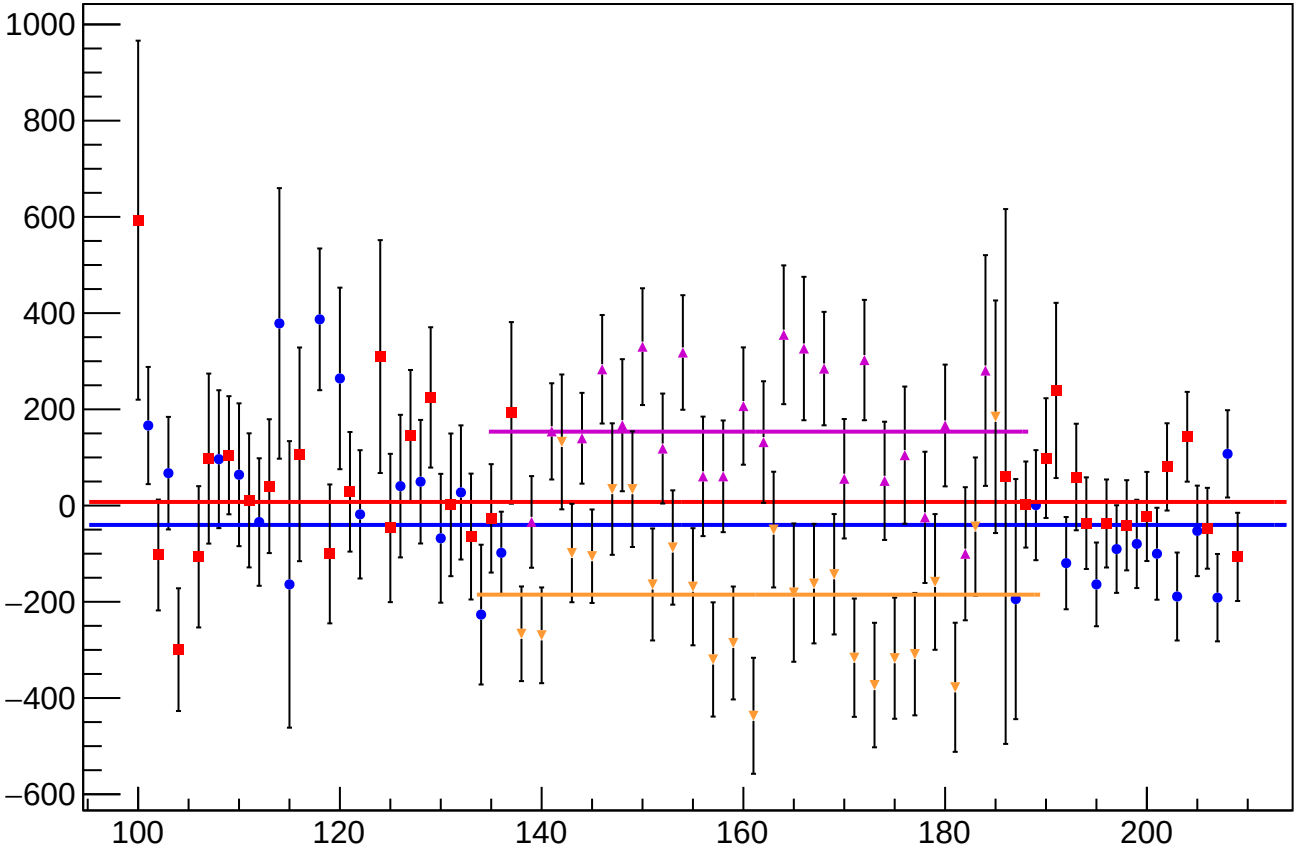
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13079568.2/51

All: 0.000+/-0.000 χ^2/NDF: 27140334.8/106

- sign 0.000+/-0.000 χ^2/NDF: 13654125.1/54

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.226+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.530+/-21.531 χ^2/NDF: 25.7/31

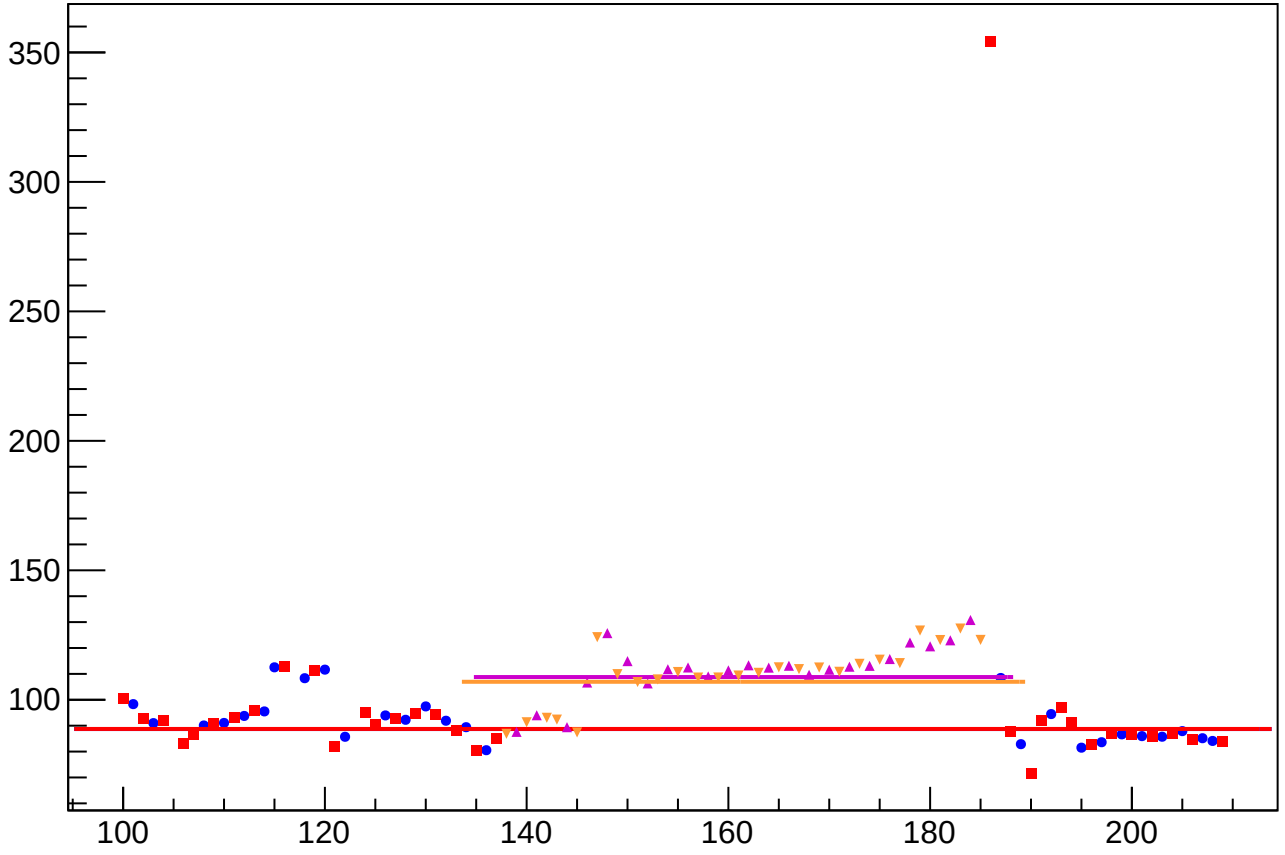
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -106.202+/-16.499 χ^2/NDF: 86.1/51

All: -18.787+/-11.653 χ^2/NDF: 210.5/106

- sign 68.230+/-16.461 χ^2/NDF: 68.4/54

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.737+/-0.015 χ^2/NDF: 648948.6/31

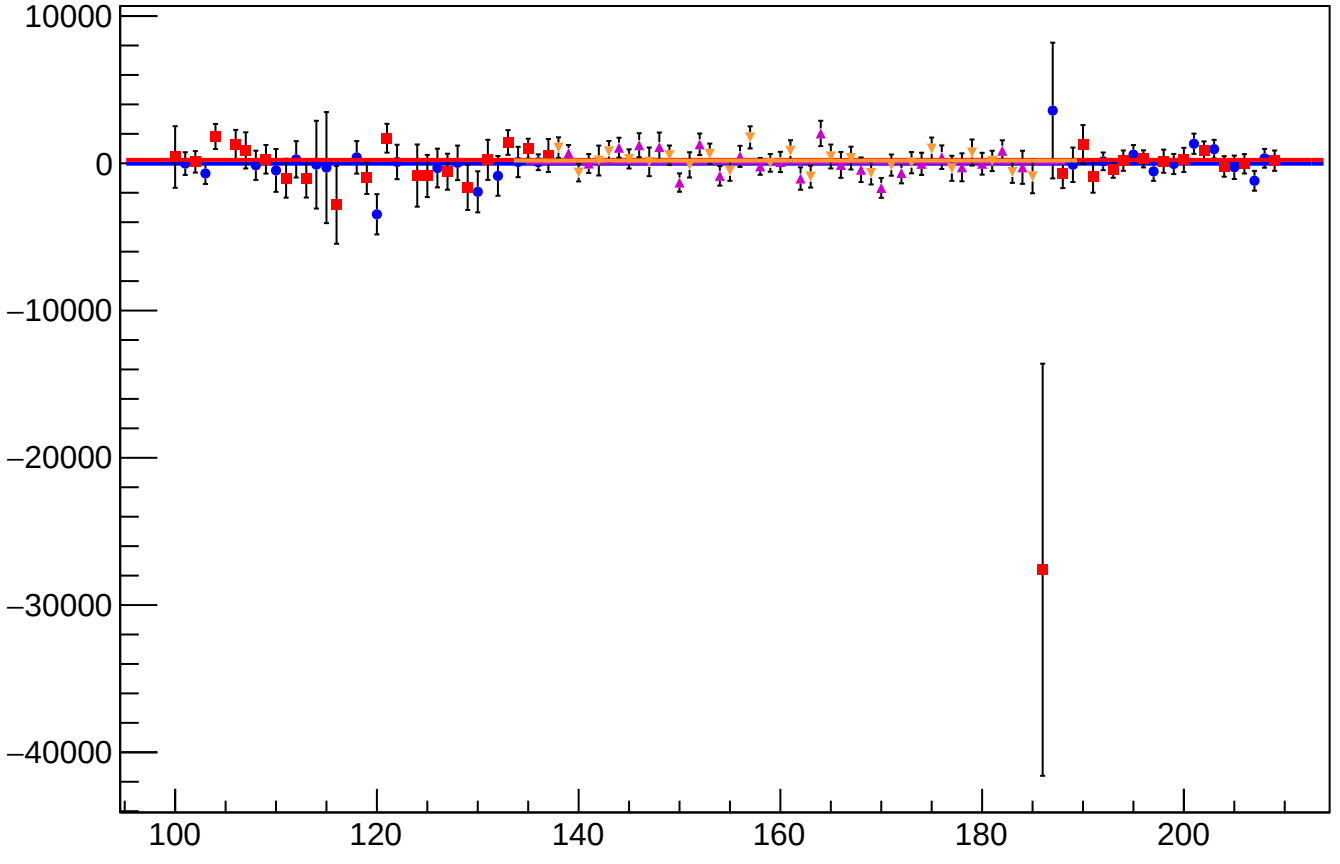
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 97.010+/-0.012 χ^2/NDF: 1258348.2/51

All: 97.038+/-0.008 χ^2/NDF: 2985847.5/106

- sign 97.065+/-0.012 χ^2/NDF: 1727488.2/54

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -25.446+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 234.653+/-160.452 χ^2/NDF: 27.1/31

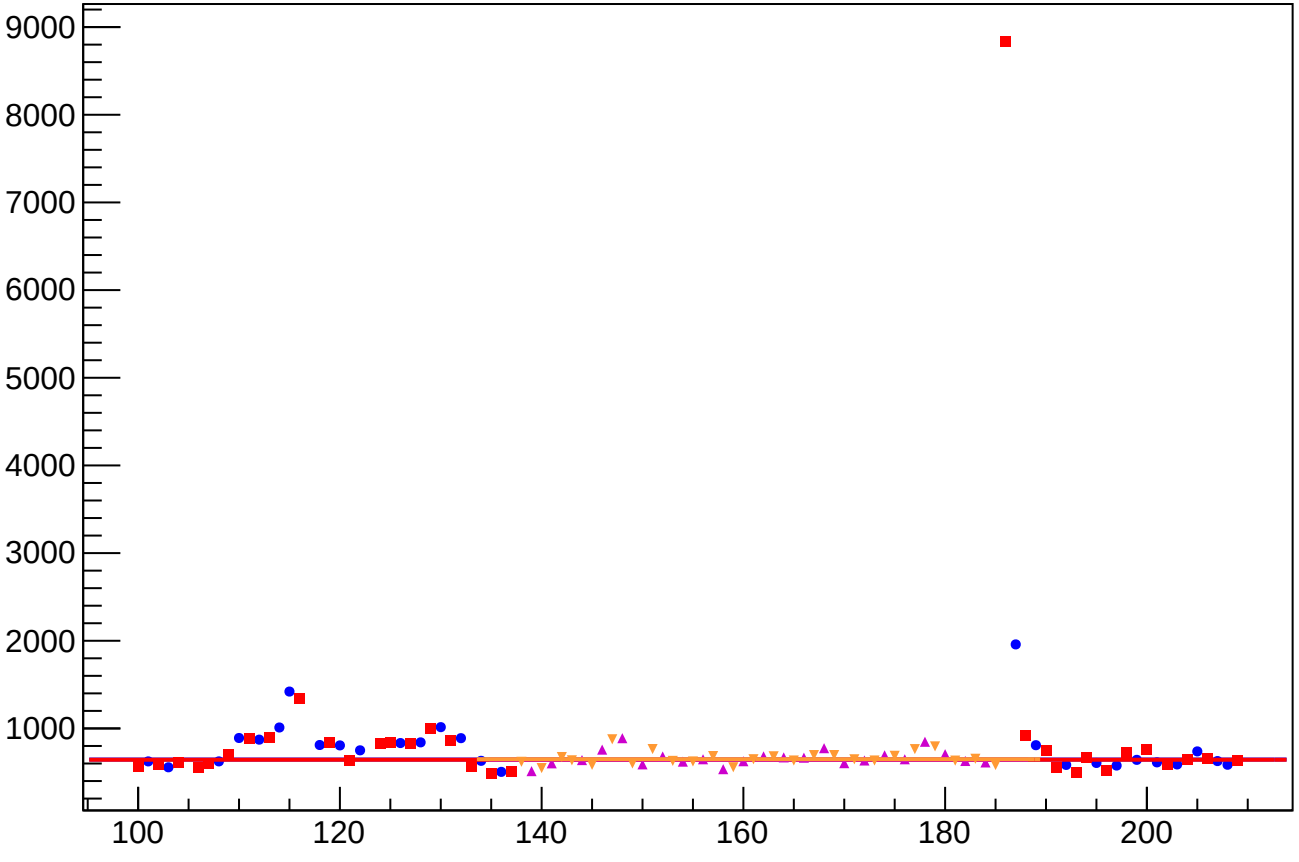
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 92.208+/-110.891 χ^2/NDF: 41.8/51

All: 113.109+/-78.227 χ^2/NDF: 103.4/106

- sign 133.815+/-110.370 χ^2/NDF: 61.6/54

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF: 1119981.7/26

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.040+/-0.113 χ^2/NDF: 1967610.1/31

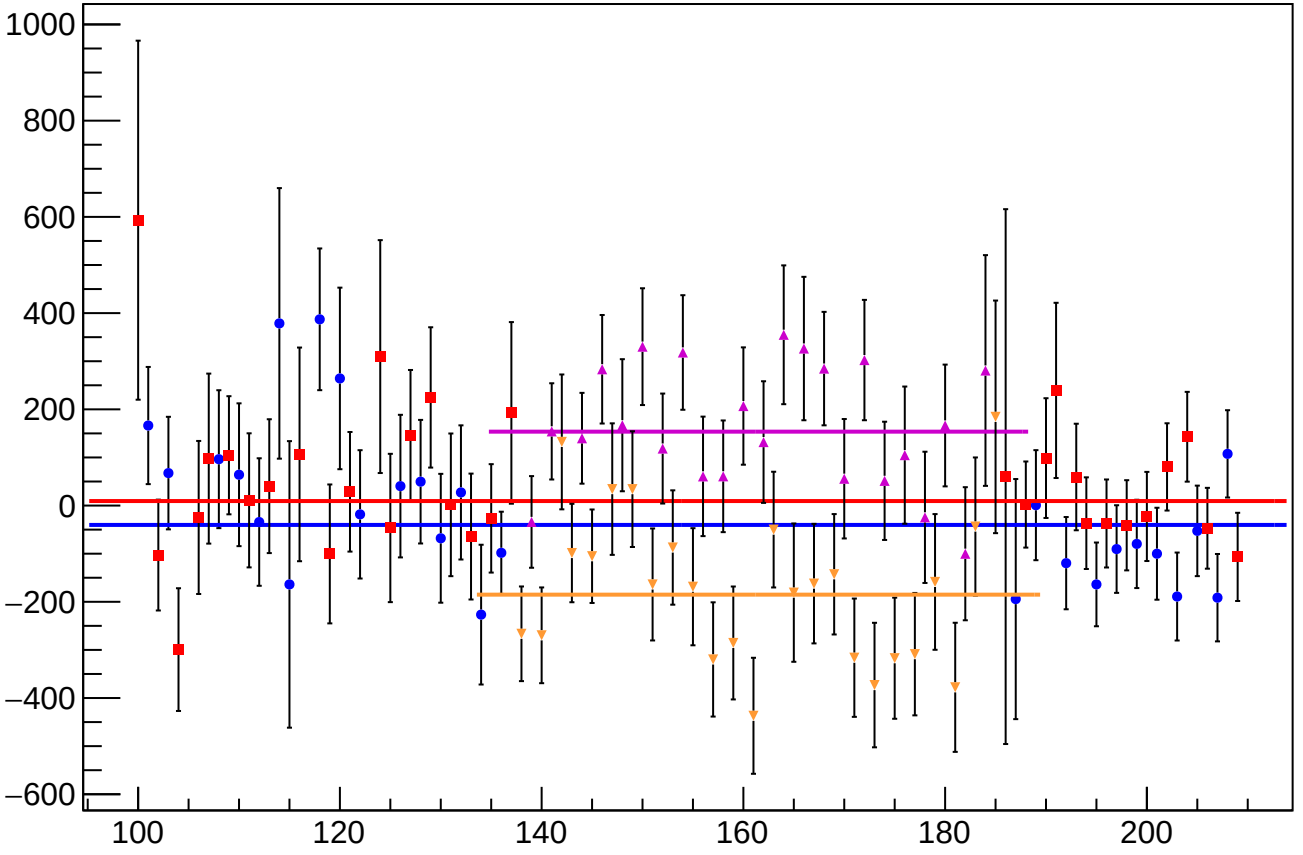
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 647.436+/-0.078 χ^2/NDF: 1538970.6/51

All: 645.501+/-0.055 χ^2/NDF: 4066956.5/106

- sign 643.584+/-0.078 χ^2/NDF: 2526773.6/54

cor_asym_sam_15_dd_mean vs Slug



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 9.398+/-21.565 χ^2/NDF: 25.1/31

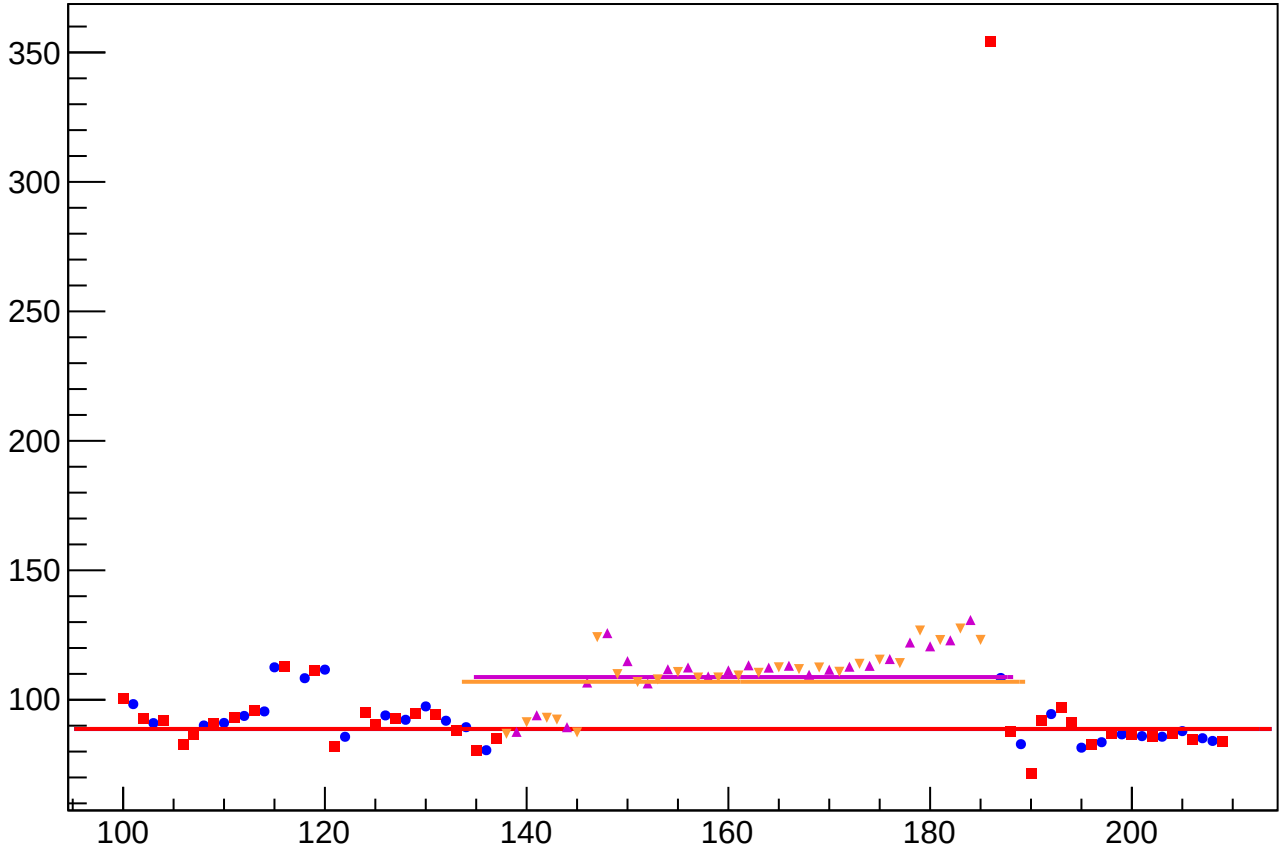
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -106.202+/-16.499 χ^2/NDF: 86.1/51

All: -18.265+/-11.658 χ^2/NDF: 210.1/106

- sign 69.436+/-16.476 χ^2/NDF: 67.3/54

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.745+/-0.015 χ^2/NDF: 649031.2/31

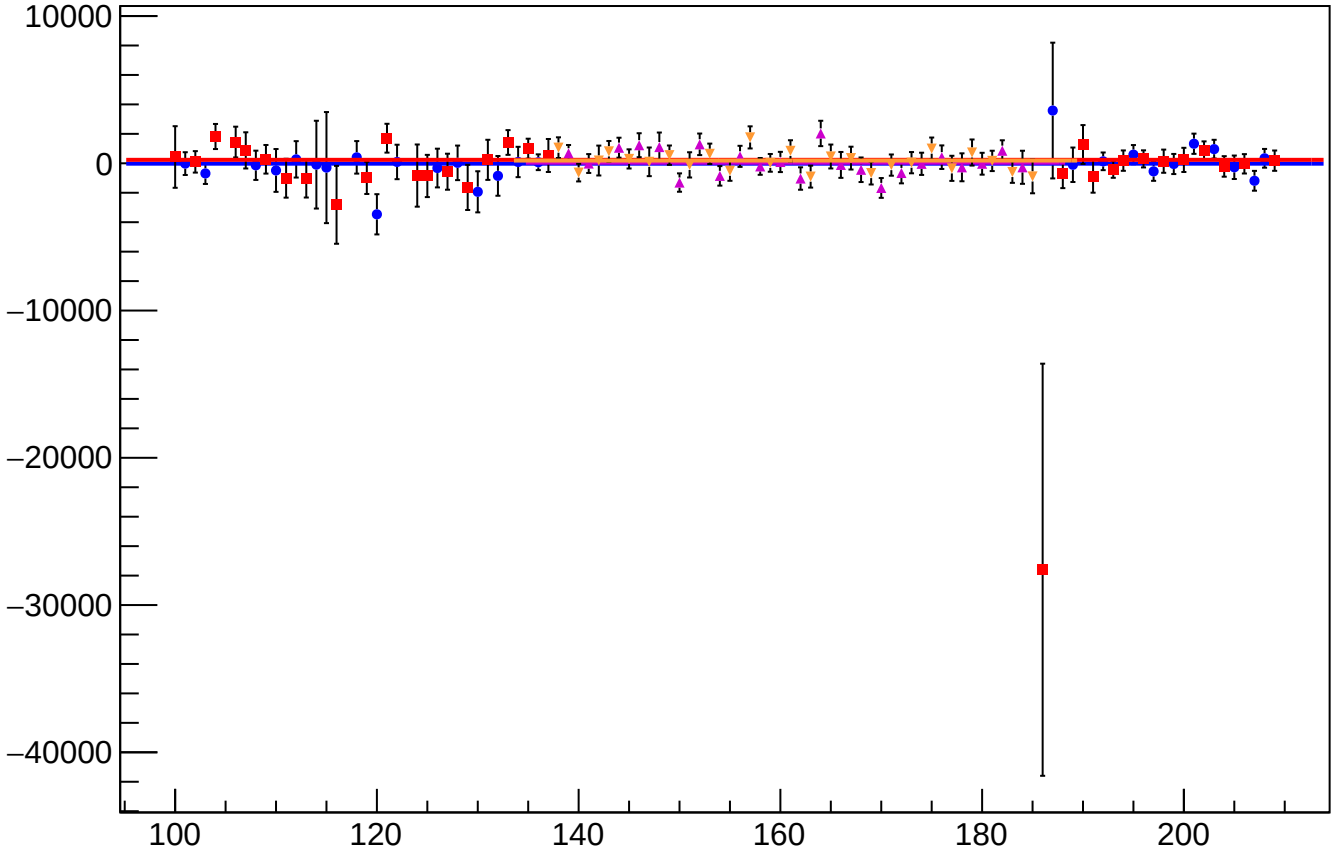
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 97.010+/-0.012 χ^2/NDF: 1258348.3/51

All: 97.048+/-0.008 χ^2/NDF: 2984435.9/106

\- sign 97.085+/-0.012 χ^2/NDF: 1726067.1/54

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 235.601+/-160.673 χ^2/NDF: 27.3/31

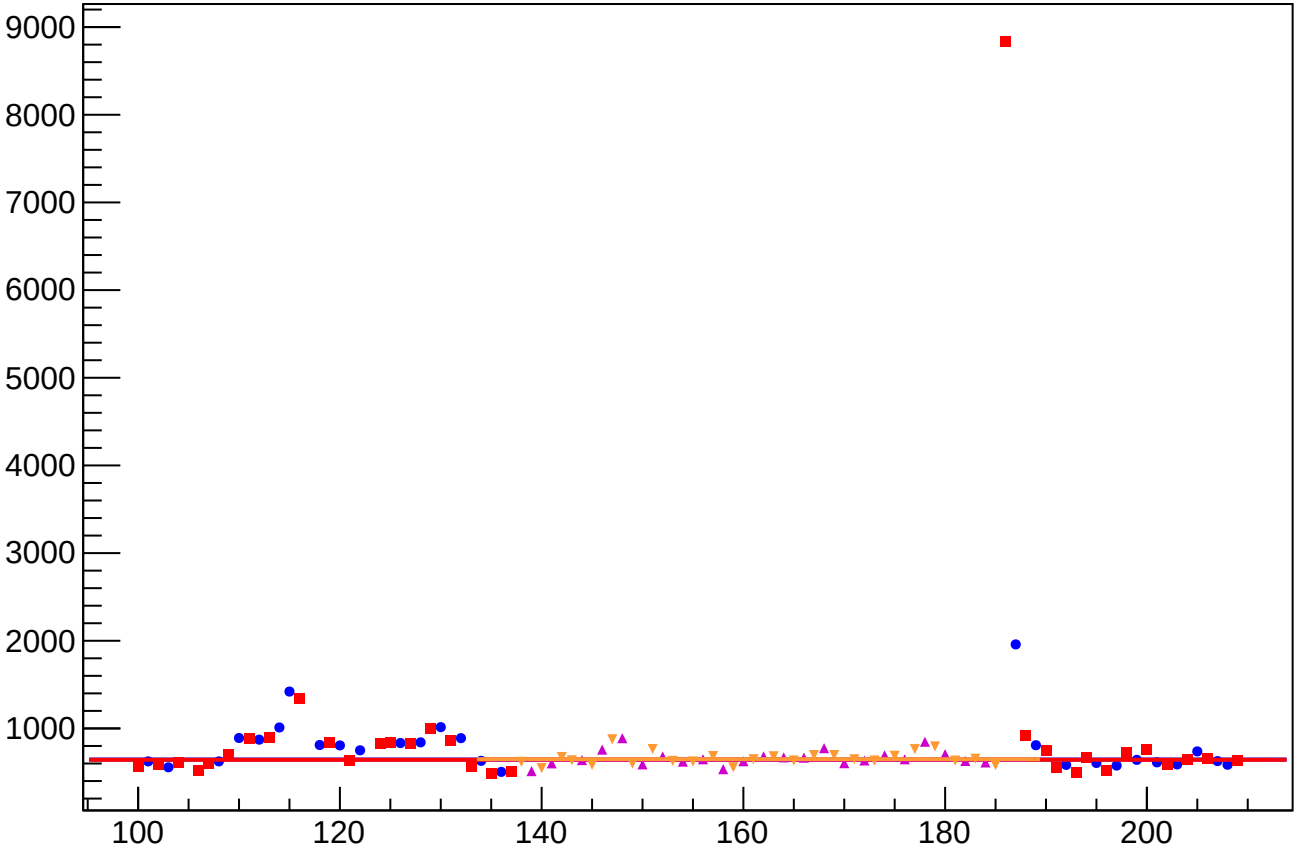
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 92.204+/-110.891 χ^2/NDF: 41.8/51

All: 113.253+/-78.252 χ^2/NDF: 103.7/106

- sign 134.132+/-110.442 χ^2/NDF: 61.8/54

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.634+/-0.114 χ^2/NDF: 1976684.2/31

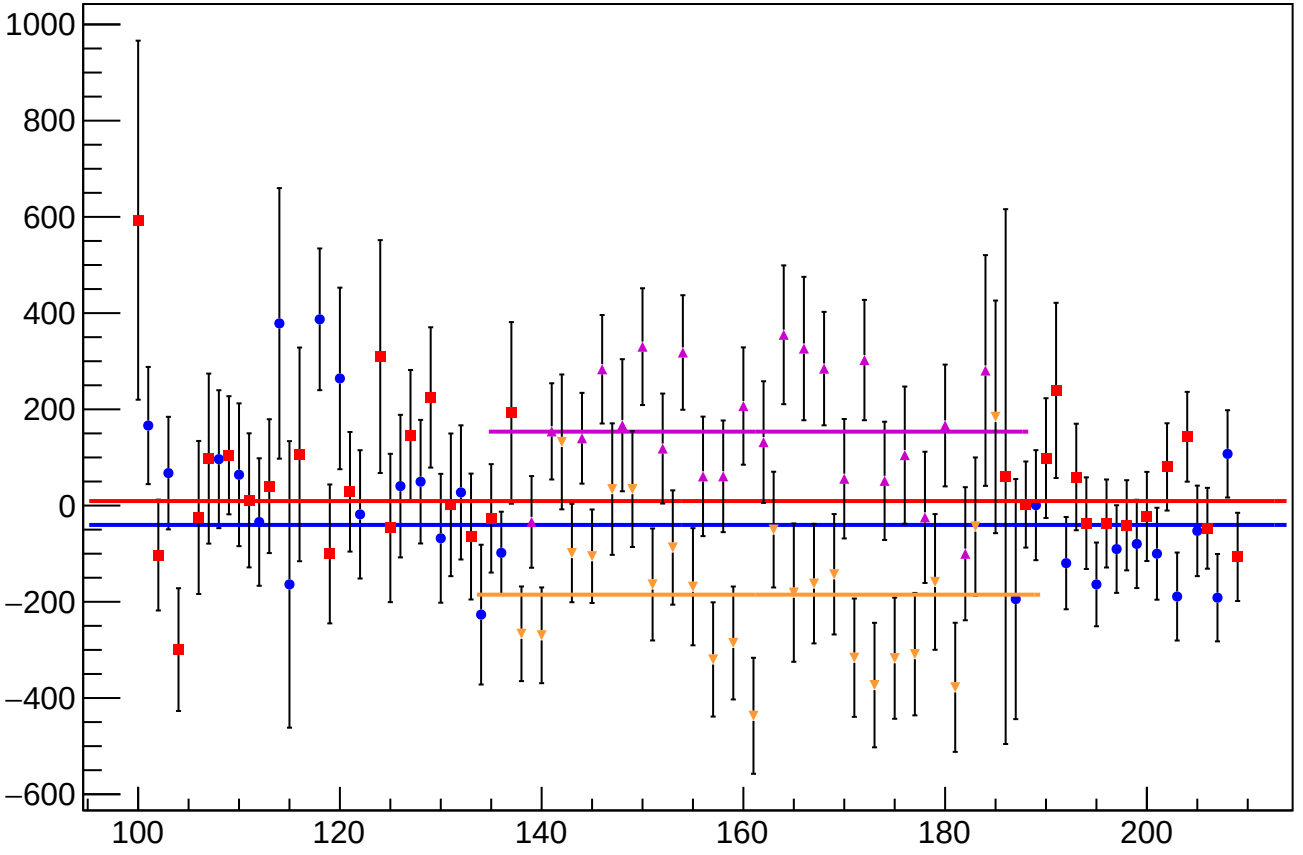
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 647.436+/-0.078 χ^2/NDF: 1538972.1/51

All: 645.406+/-0.055 χ^2/NDF: 4076196.5/106

- sign 643.393+/-0.078 χ^2/NDF: 2535889.7/54

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 9.398+/-21.565 χ^2/NDF: 25.1/31

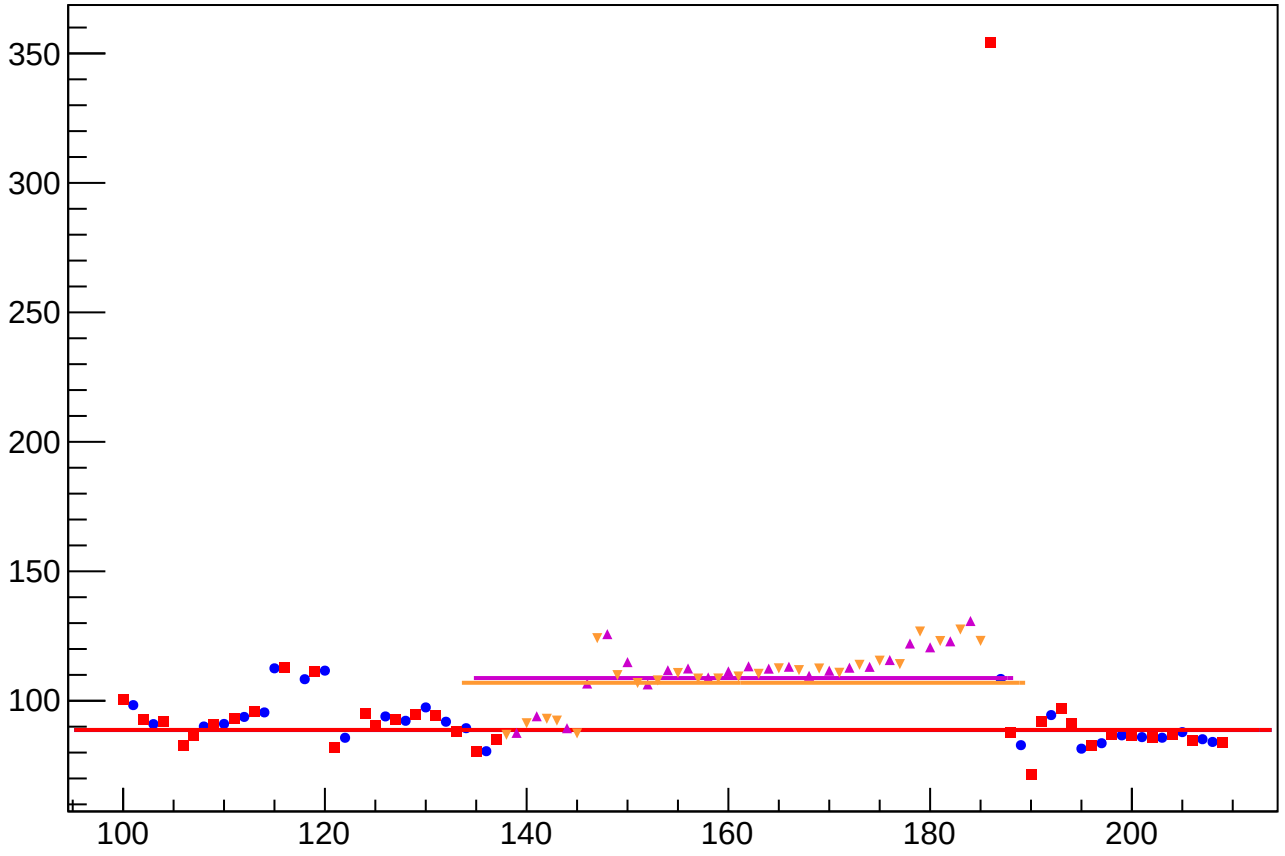
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -106.202+/-16.499 χ^2/NDF: 86.1/51

All: -18.265+/-11.658 χ^2/NDF: 210.1/106

- sign 69.436+/-16.476 χ^2/NDF: 67.3/54

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

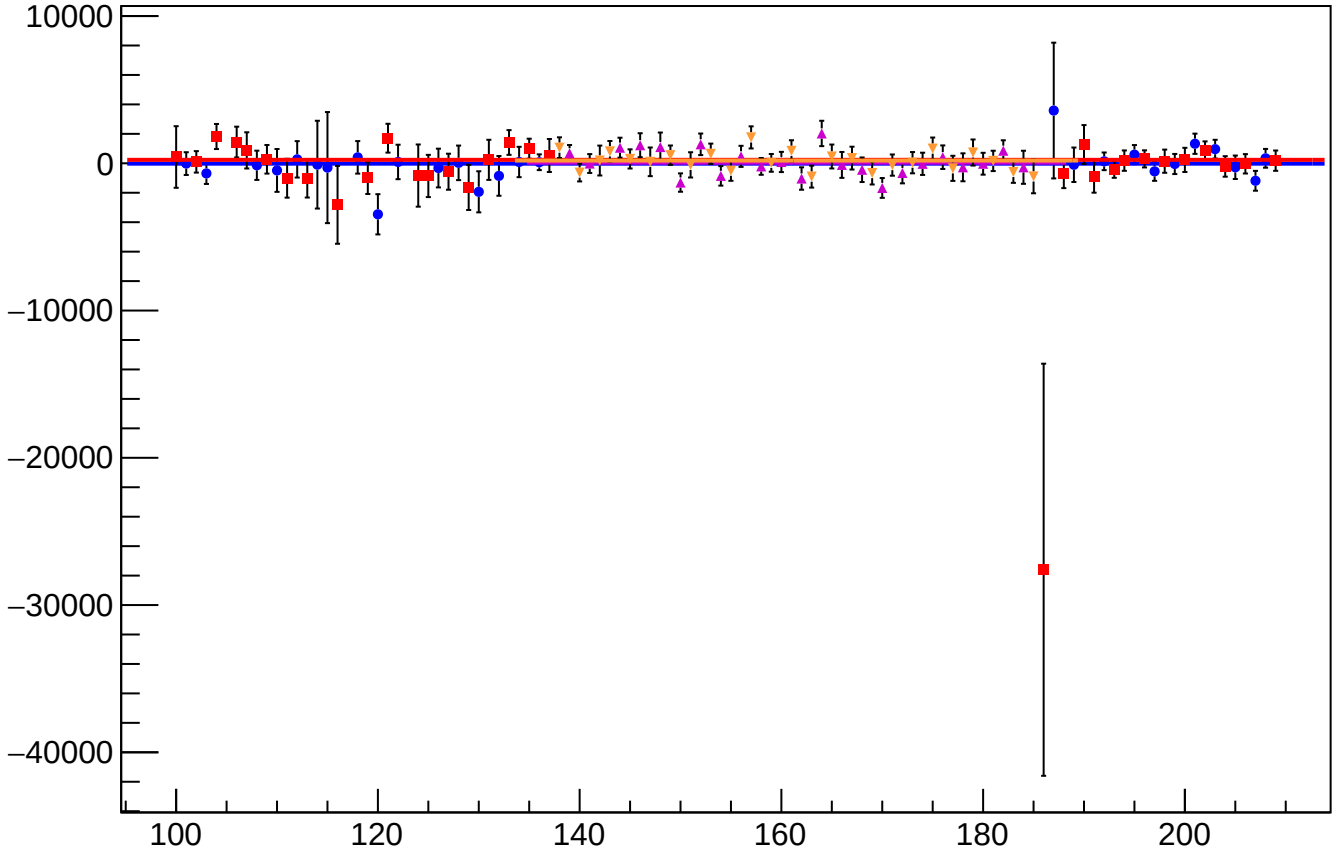
Right Out: 88.745+/-0.015 χ^2/NDF: 649031.2/31

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 97.010+/-0.012 χ^2/NDF: 1258348.3/51

All: 97.048+/-0.008 χ^2/NDF: 2984435.9/106

- sign 97.085+/-0.012 χ^2/NDF: 1726067.1/54



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

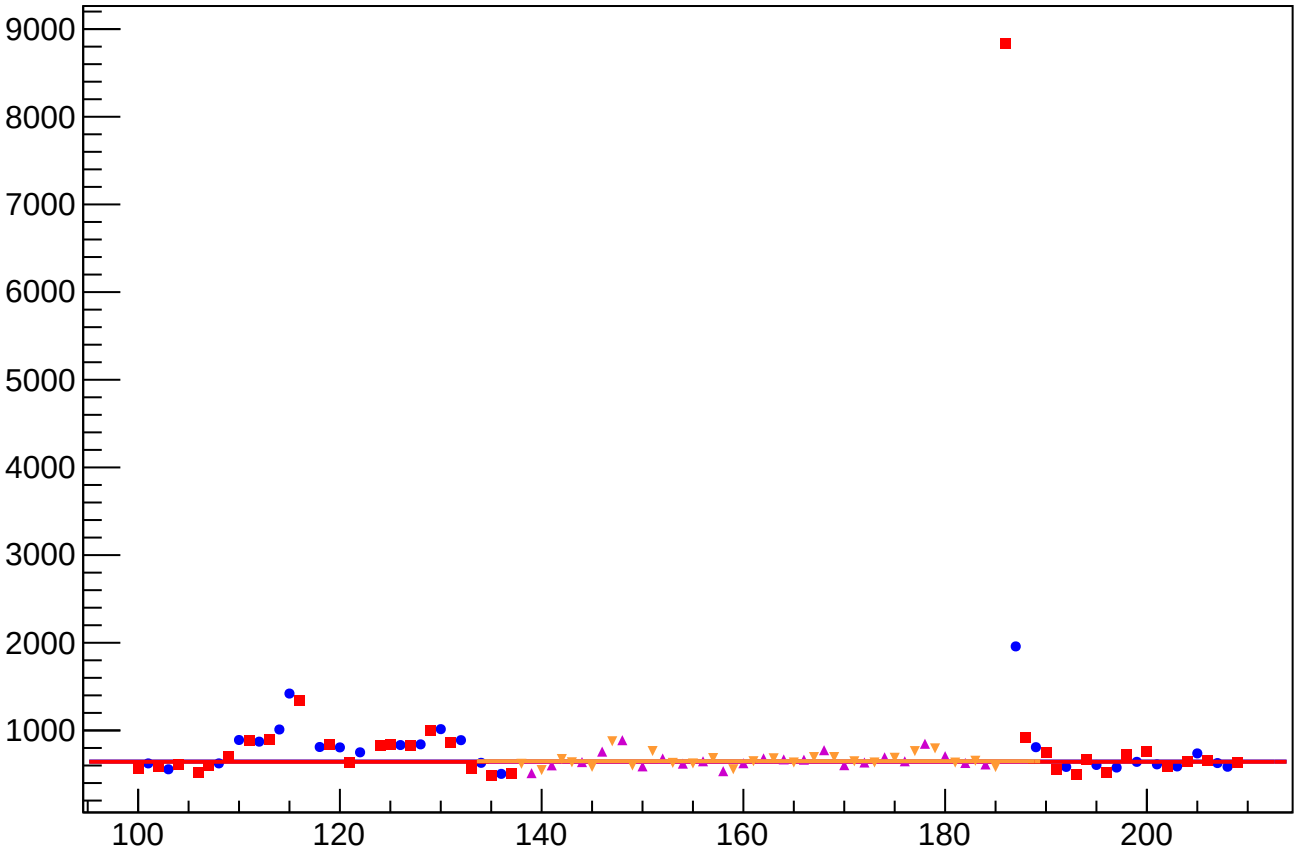
Right Out: 235.601+/-160.673 χ^2/NDF: 27.3/31

Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 92.204+/-110.891 χ^2/NDF: 41.8/51

All: 113.253+/-78.252 χ^2/NDF: 103.7/106

- sign 134.132+/-110.442 χ^2/NDF: 61.8/54



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.634+/-0.114 χ^2/NDF: 1976684.2/31

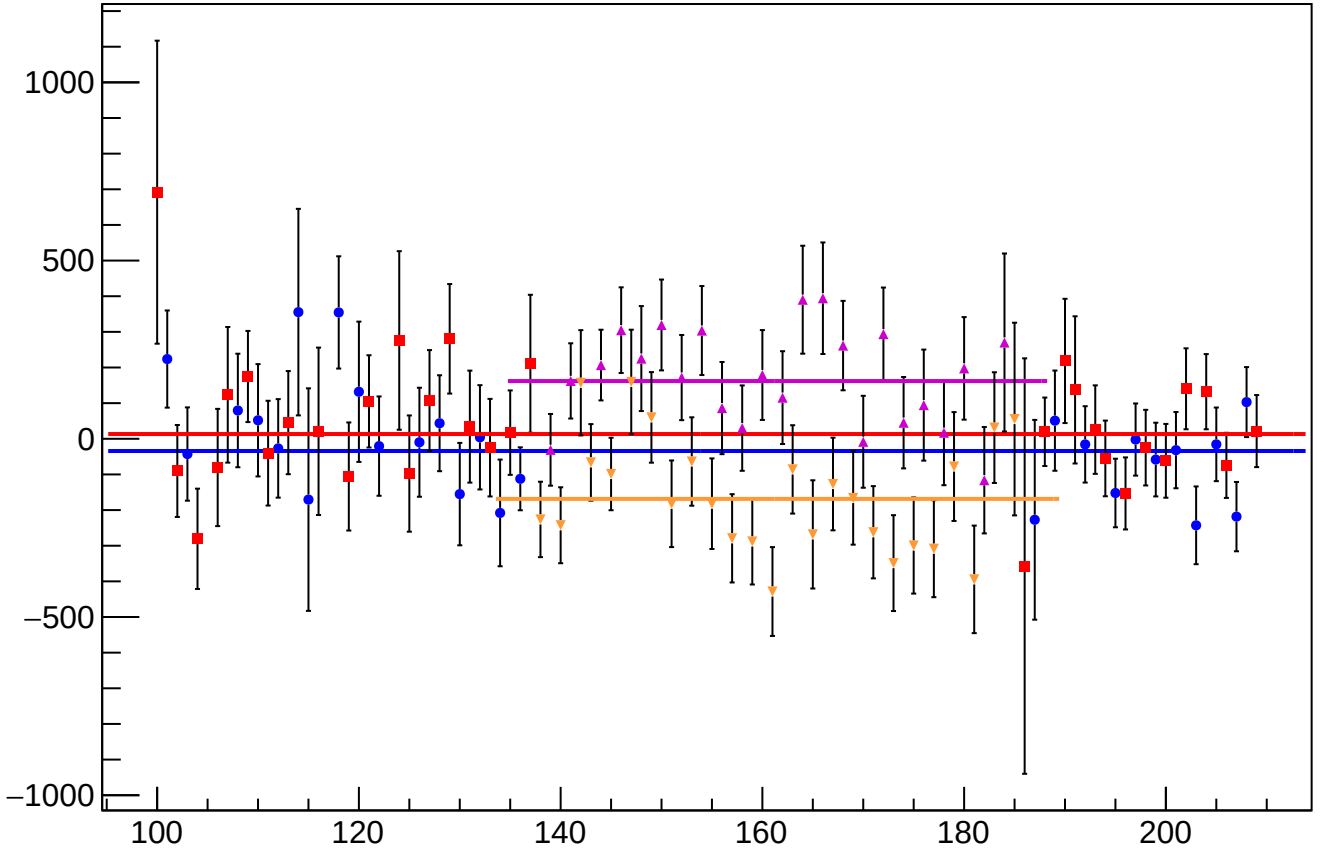
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 647.436+/-0.078 χ^2/NDF: 1538972.1/51

All: 645.406+/-0.055 χ^2/NDF: 4076196.5/106

- sign 643.393+/-0.078 χ^2/NDF: 2535889.7/54

dit_asym_sam_15_dd_mean vs Slug



Right In: -34.258+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 13.372+/-23.690 χ^2/NDF: 26.7/31

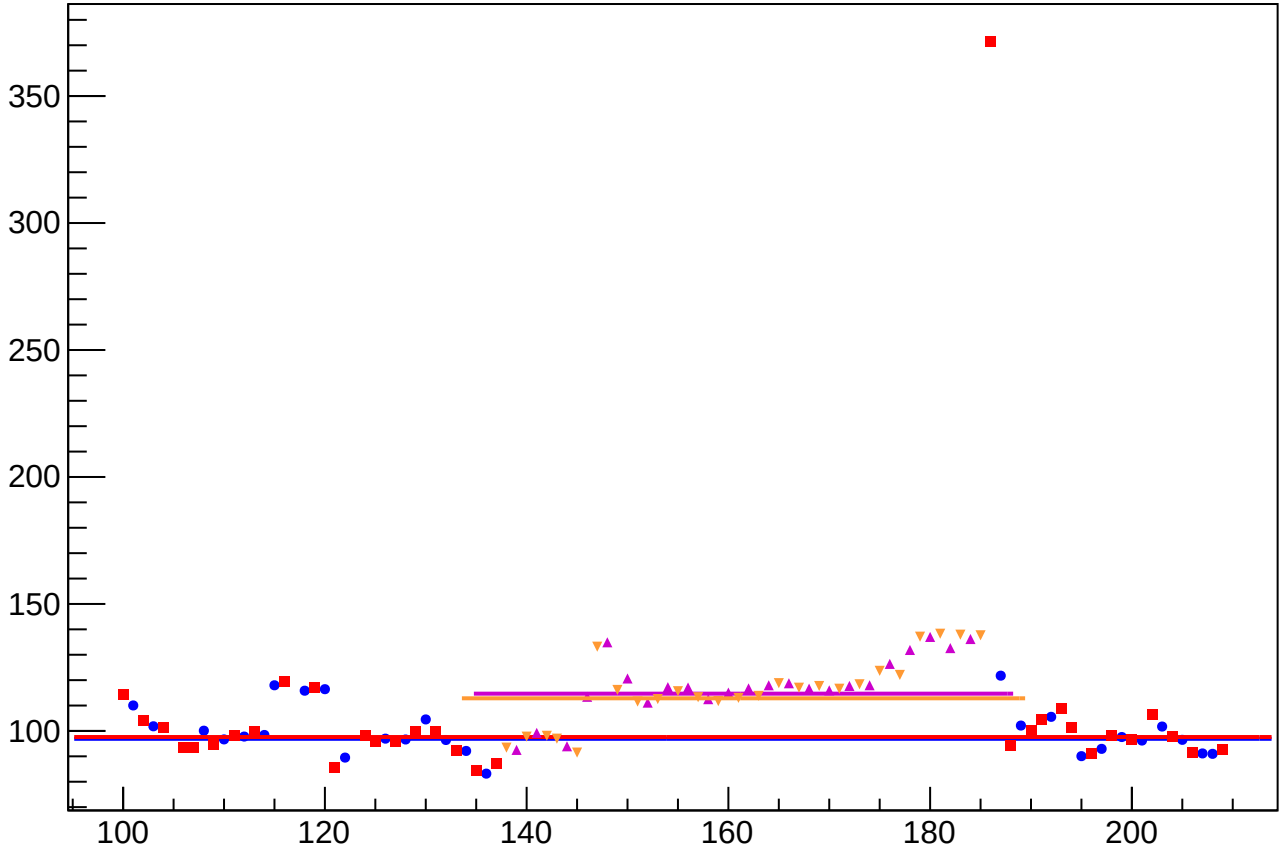
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -97.752+/-17.748 χ^2/NDF: 74.9/51

All: -10.007+/-12.565 χ^2/NDF: 191.3/106

- sign 78.178+/-17.792 χ^2/NDF: 67.4/54

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.902+/-0.017 χ^2/NDF: 204836.1/26

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.601+/-0.017 χ^2/NDF: 614941.6/31

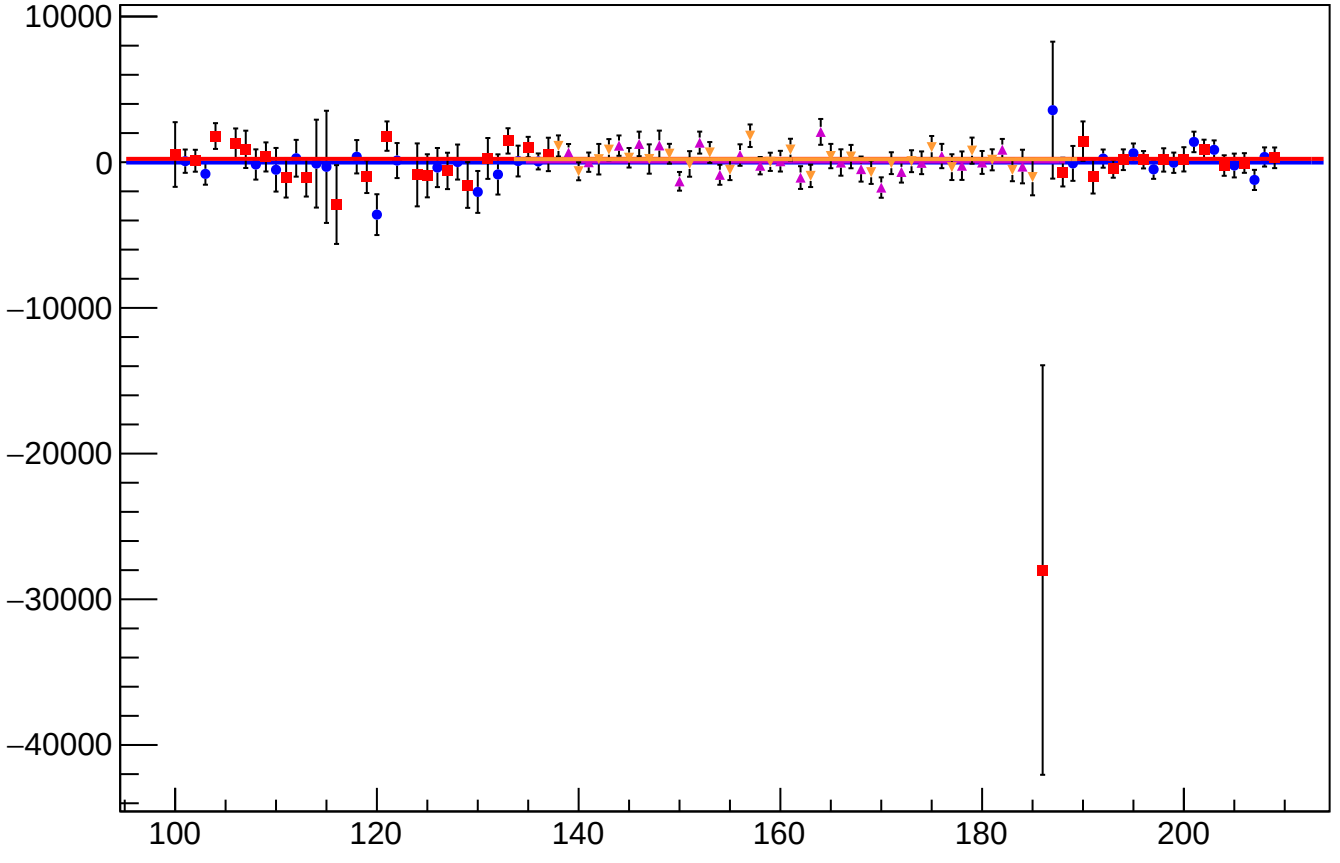
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 104.437+/-0.013 χ^2/NDF: 1119584.4/51

All: 104.741+/-0.009 χ^2/NDF: 2598614.1/106

- sign 105.045+/-0.013 χ^2/NDF: 1477858.9/54

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 230.532+/-165.496 χ^2/NDF: 27.0/31

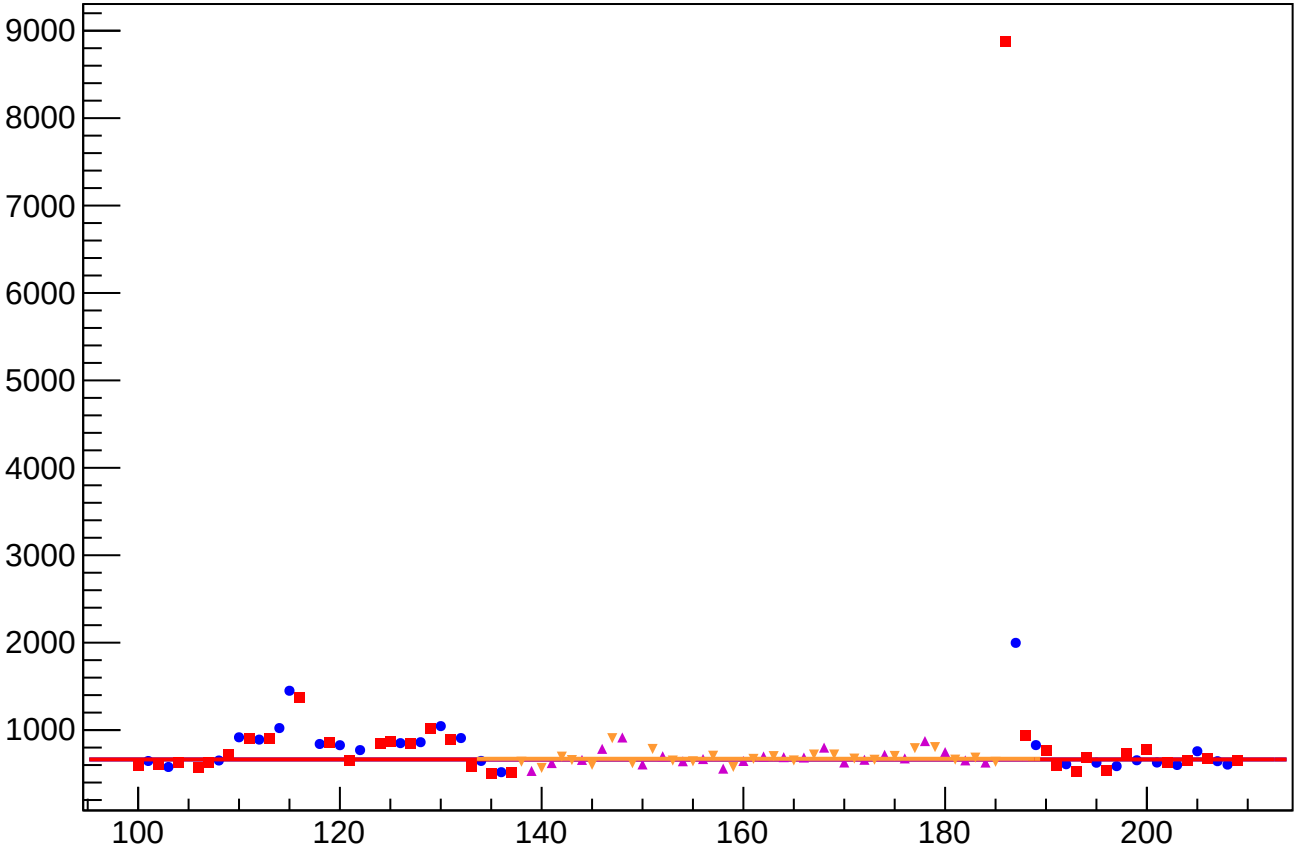
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 105.624+/-114.401 χ^2/NDF: 41.7/51

All: 120.819+/-80.782 χ^2/NDF: 102.7/106

- sign 135.931+/-114.086 χ^2/NDF: 60.9/54

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 663.937+/-0.121 χ^2/NDF: 1105907.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 664.294+/-0.117 χ^2/NDF: 1889886.4/31

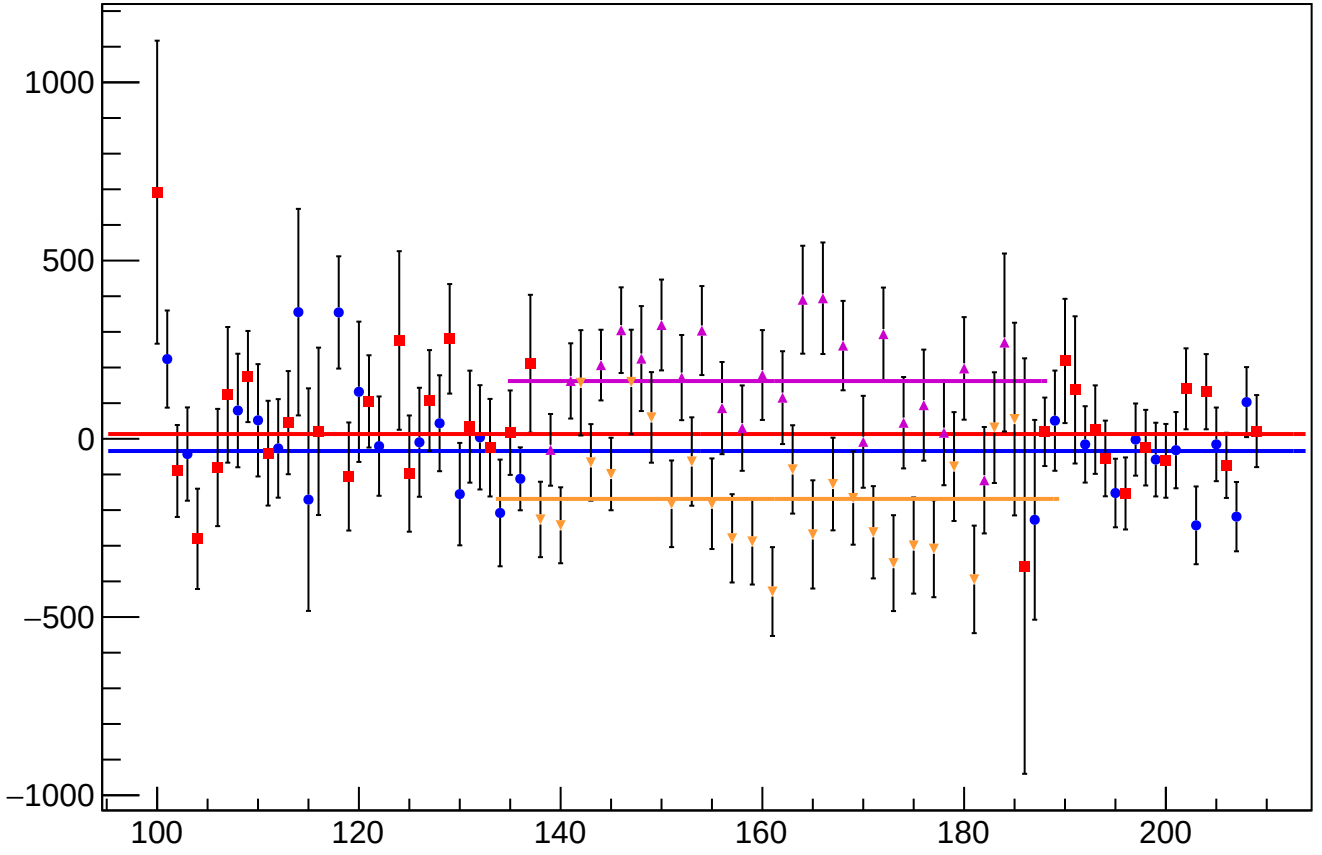
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 668.307+/-0.081 χ^2/NDF: 1507432.7/51

All: 667.097+/-0.057 χ^2/NDF: 3945025.0/106

- sign 665.893+/-0.081 χ^2/NDF: 2437145.8/54

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -34.257+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 13.372+/-23.690 χ^2/NDF: 26.7/31

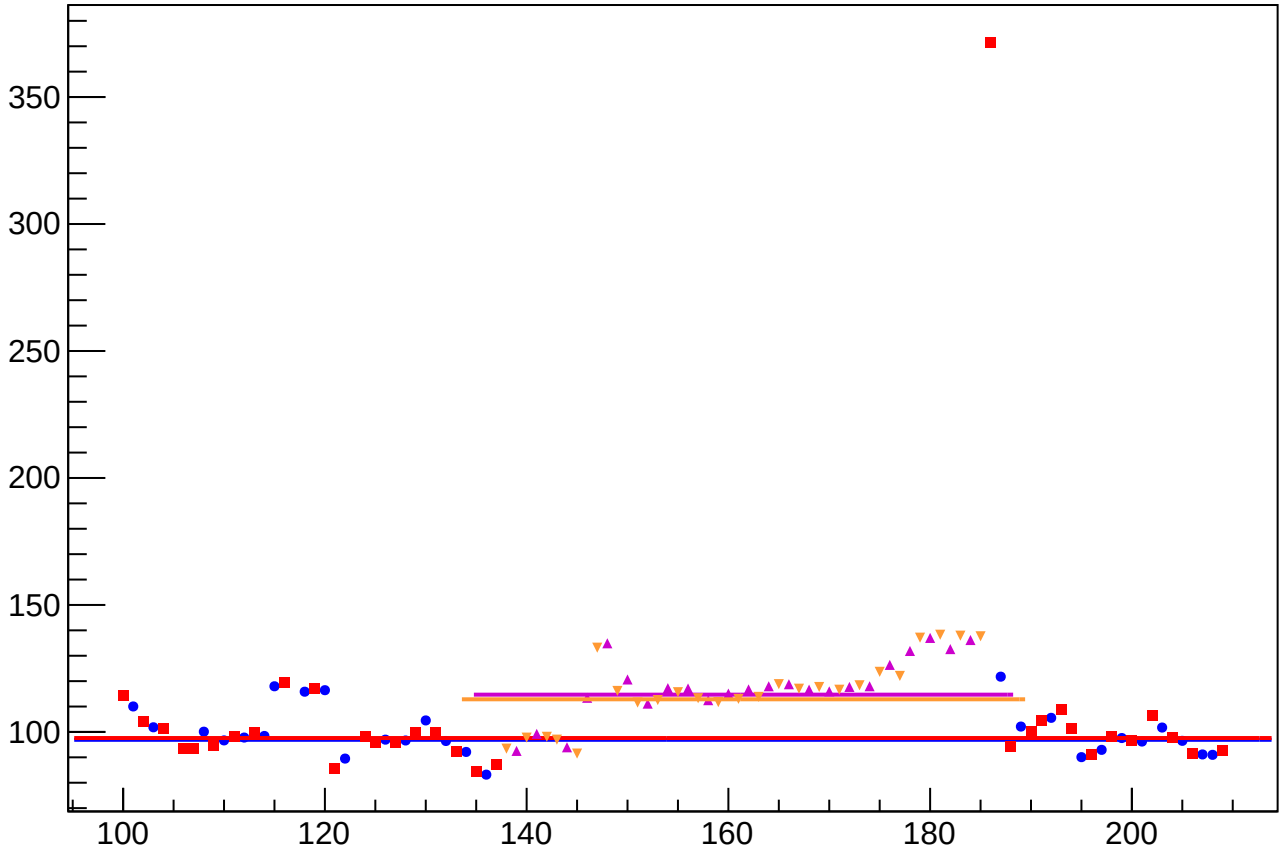
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -97.752+/-17.748 χ^2/NDF: 74.9/51

All: -10.007+/-12.565 χ^2/NDF: 191.3/106

- sign 78.178+/-17.792 χ^2/NDF: 67.4/54

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.902+/-0.017 χ^2/NDF: 204841.0/26

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.601+/-0.017 χ^2/NDF: 614943.0/31

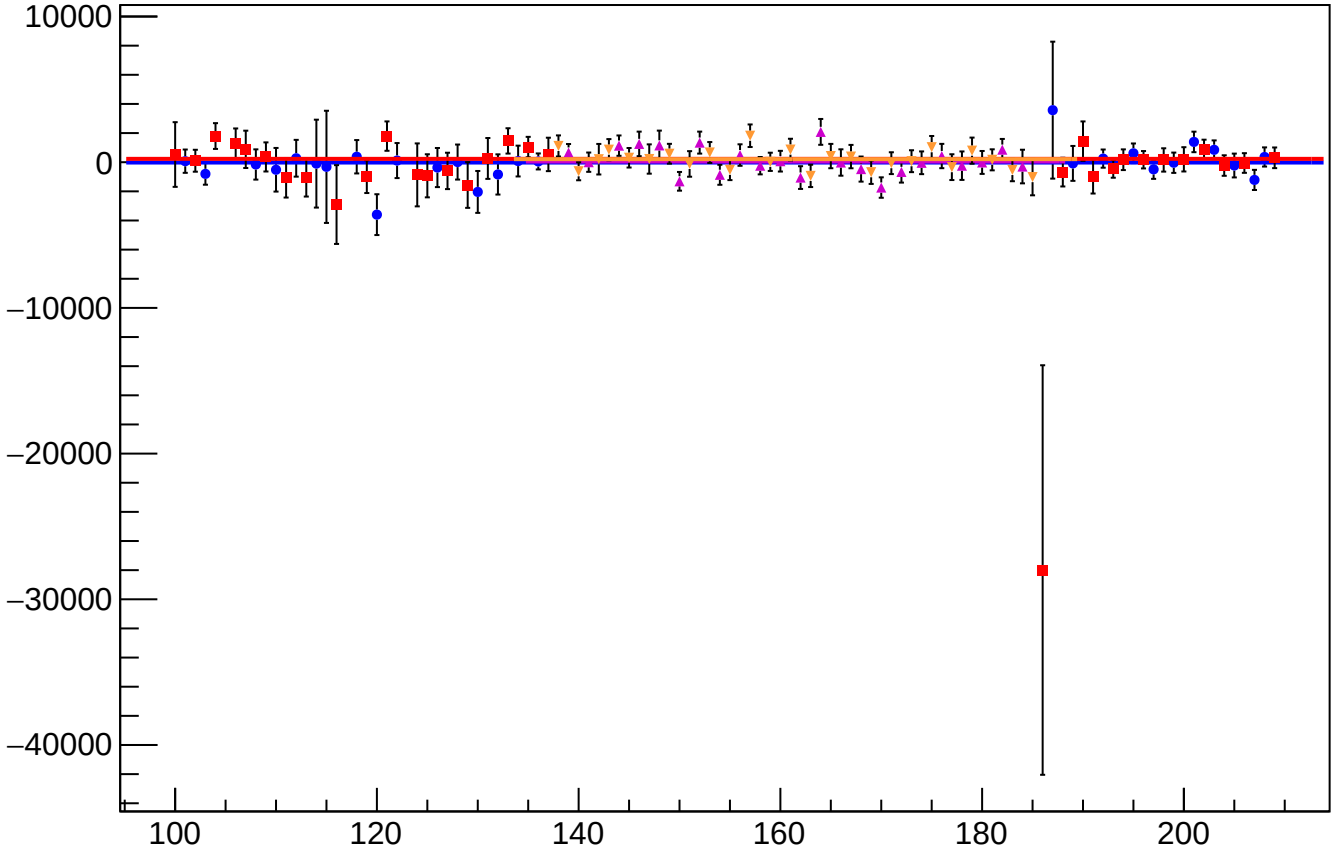
Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 104.437+/-0.013 χ^2/NDF: 1119593.8/51

All: 104.740+/-0.009 χ^2/NDF: 2598634.6/106

- sign 105.045+/-0.013 χ^2/NDF: 1477869.8/54

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 230.532+/-165.496 χ^2/NDF: 27.0/31

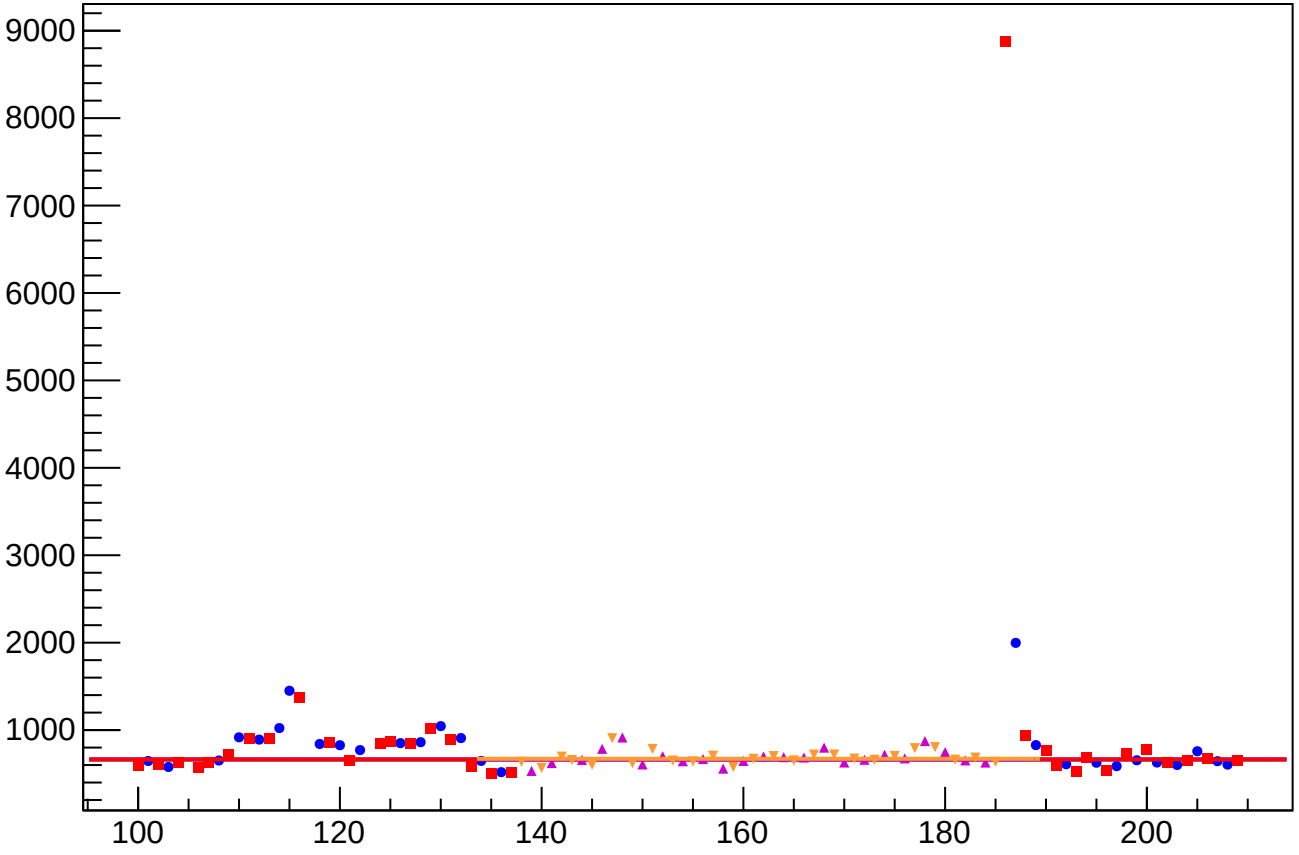
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 105.623+/-114.401 χ^2/NDF: 41.7/51

All: 120.819+/-80.782 χ^2/NDF: 102.7/106

- sign 135.931+/-114.086 χ^2/NDF: 60.9/54

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 663.937+/-0.121 χ^2/NDF: 1105908.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 664.294+/-0.117 χ^2/NDF: 1889891.1/31

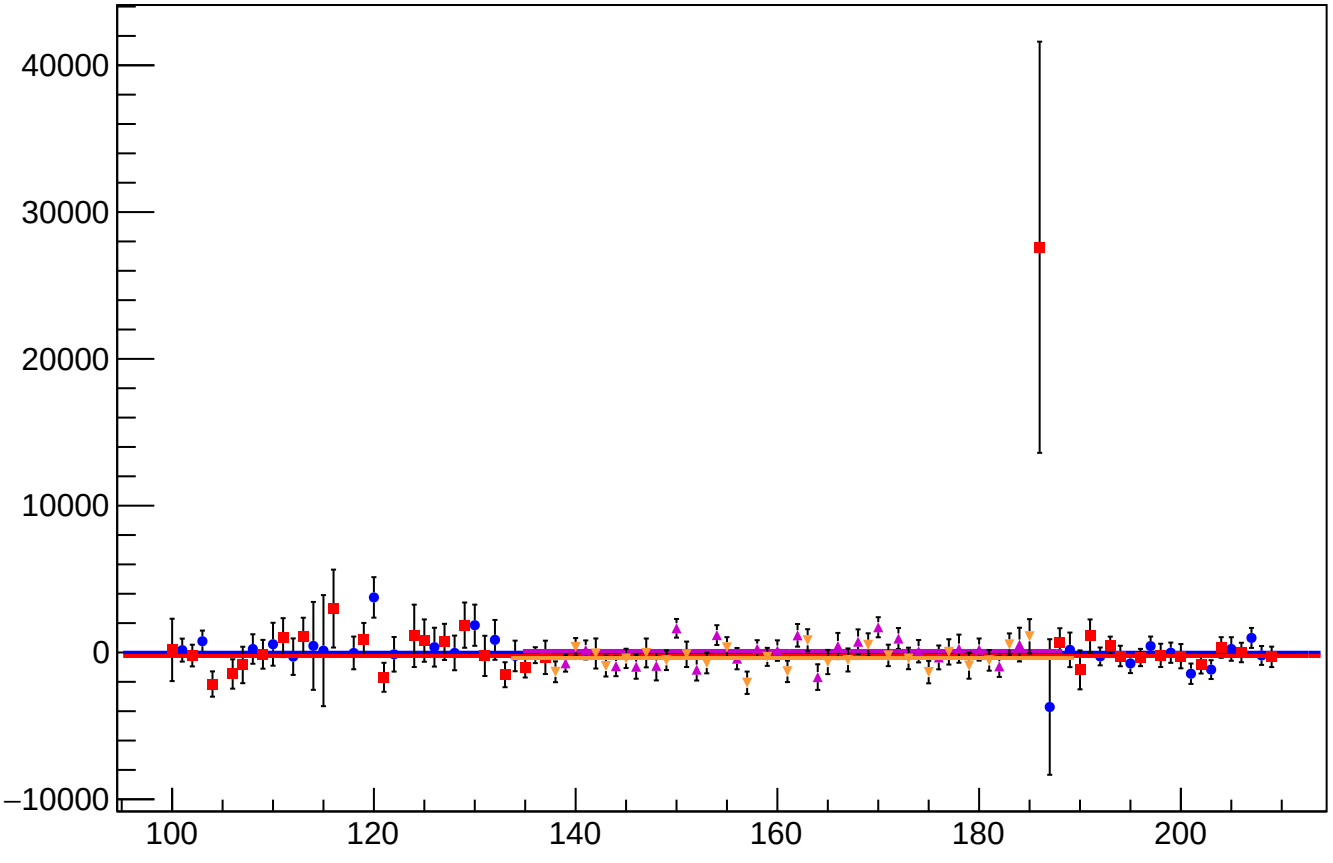
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 668.307+/-0.081 χ^2/NDF: 1507434.7/51

All: 667.097+/-0.057 χ^2/NDF: 3945034.2/106

- sign 665.893+/-0.081 χ^2/NDF: 2437153.0/54

asym_sam_15_dd_mean vs Slug



Right In: -17.883+/-167.982 χ^2/NDF: 23.8/26

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -238.264+/-162.170 χ^2/NDF: 30.3/31

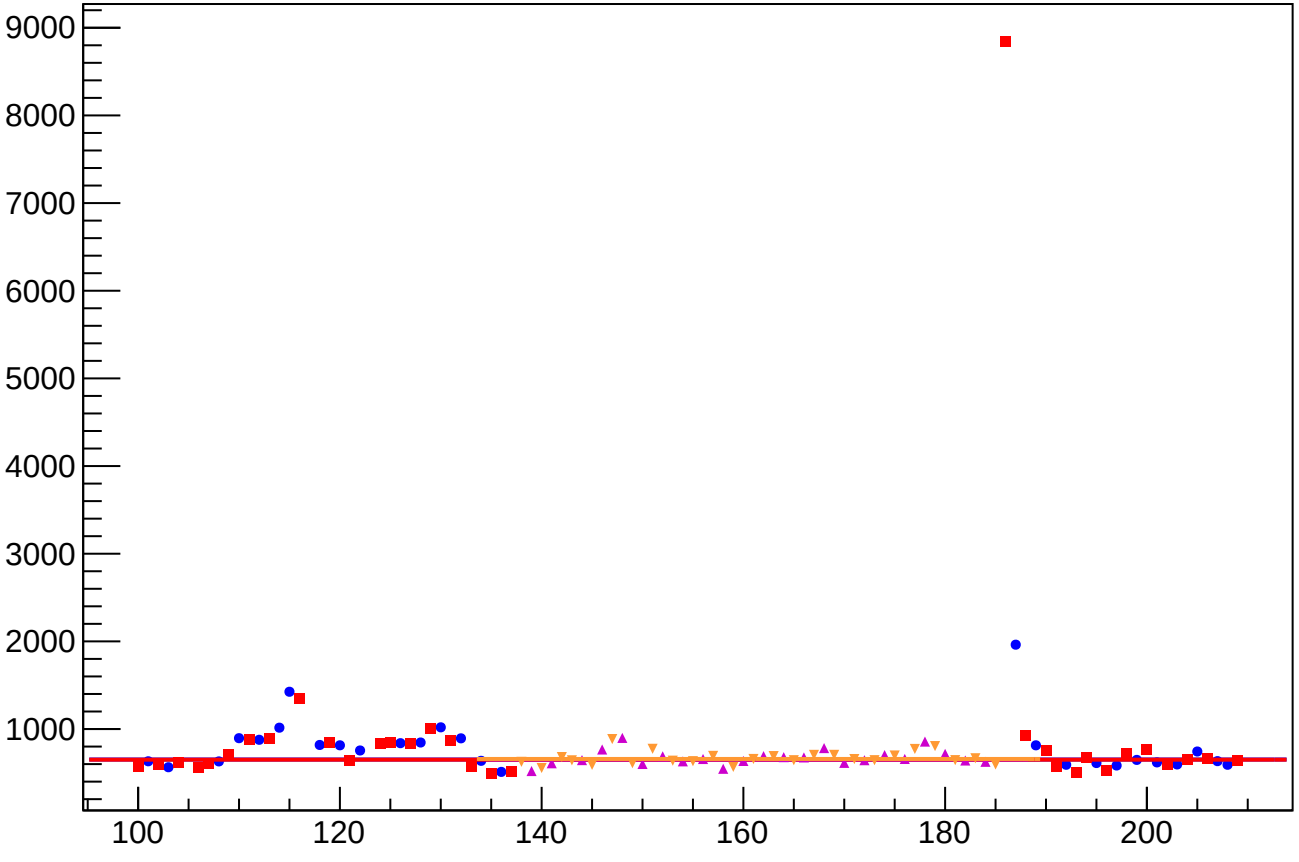
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -216.685+/-112.278 χ^2/NDF: 47.8/51

All: -137.515+/-79.223 χ^2/NDF: 116.9/106

- sign -59.021+/-111.799 χ^2/NDF: 68.2/54

asym_sam_15_dd_rms vs Slug



Right In: 652.268+/-0.119 χ^2/NDF: 1095923.6/26

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

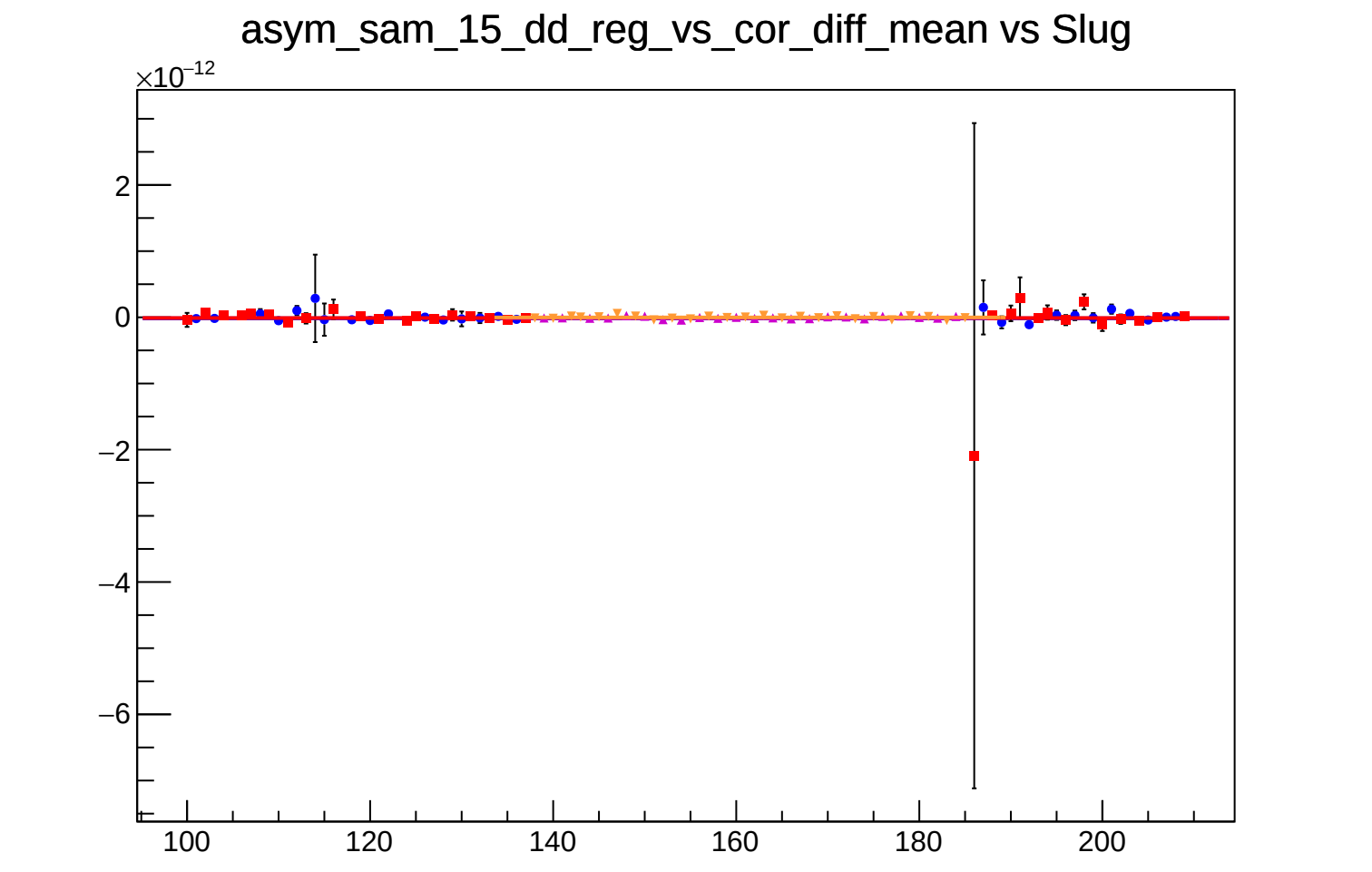
Right Out: 650.478+/-0.115 χ^2/NDF: 1928485.5/31

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 655.811+/-0.079 χ^2/NDF: 1507216.3/51

All: 654.048+/-0.056 χ^2/NDF: 3979243.0/106

- sign 652.300+/-0.079 χ^2/NDF: 2471044.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/31

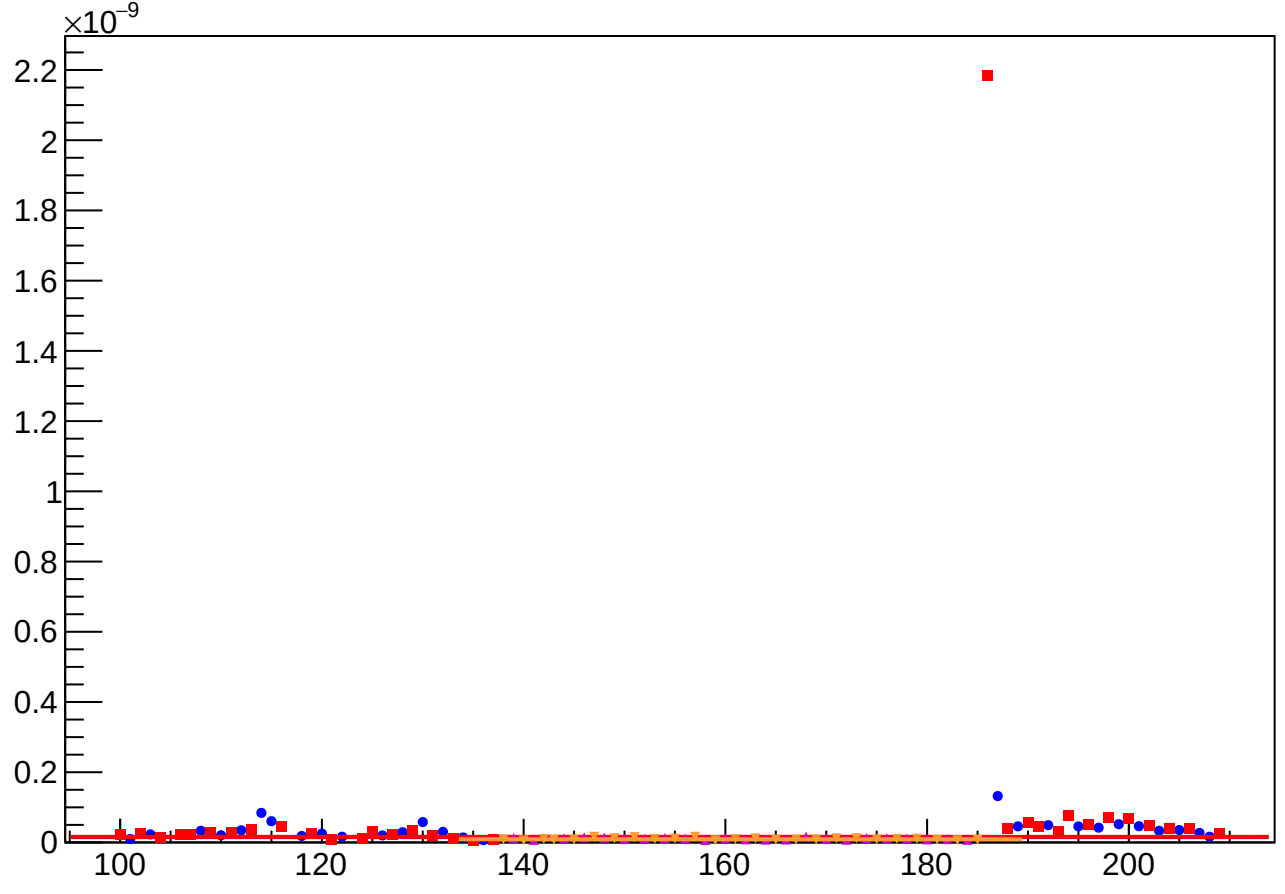
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/51

All: -0.000+/-0.000 χ^2/NDF: 98.8/106

- sign -0.000+/-0.000 χ^2/NDF: 42.3/54

asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5636618.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7221987.0/31

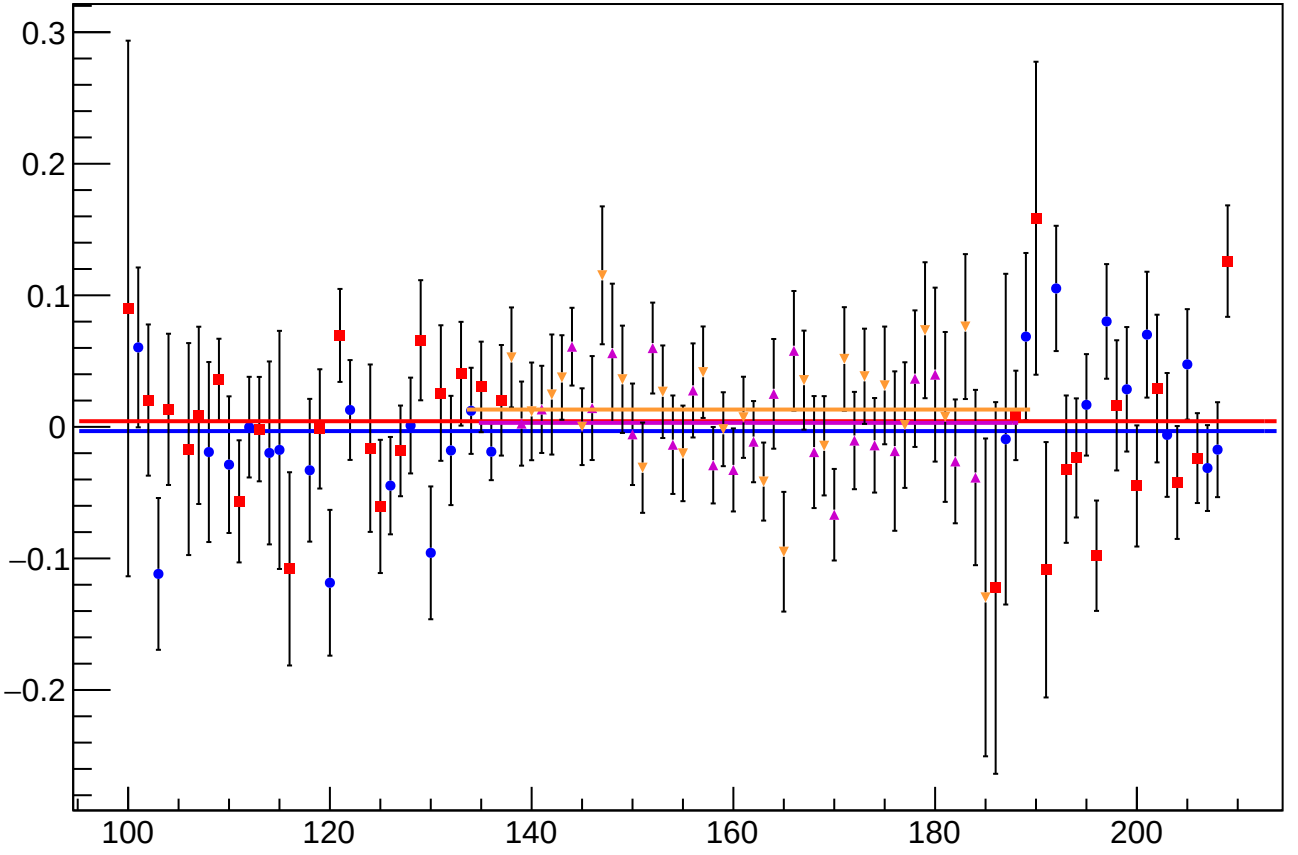
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7943416.0/51

All: 0.000+/-0.000 χ^2/NDF: 16968870.4/106

- sign 0.000+/-0.000 χ^2/NDF: 8858554.3/54

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.004+/-0.008 χ^2/NDF: 36.7/31

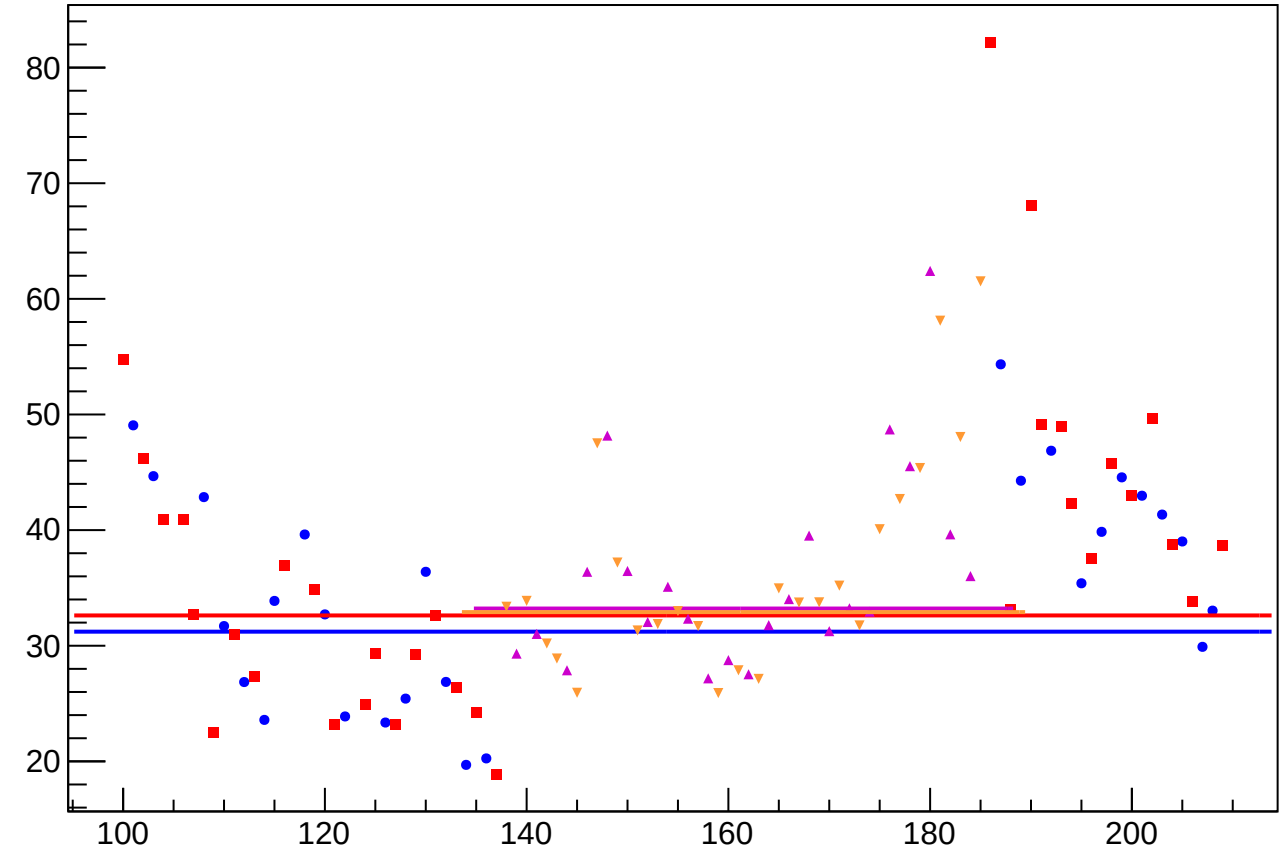
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.005+/-0.004 χ^2/NDF: 114.3/106

- sign 0.004+/-0.006 χ^2/NDF: 55.9/54

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

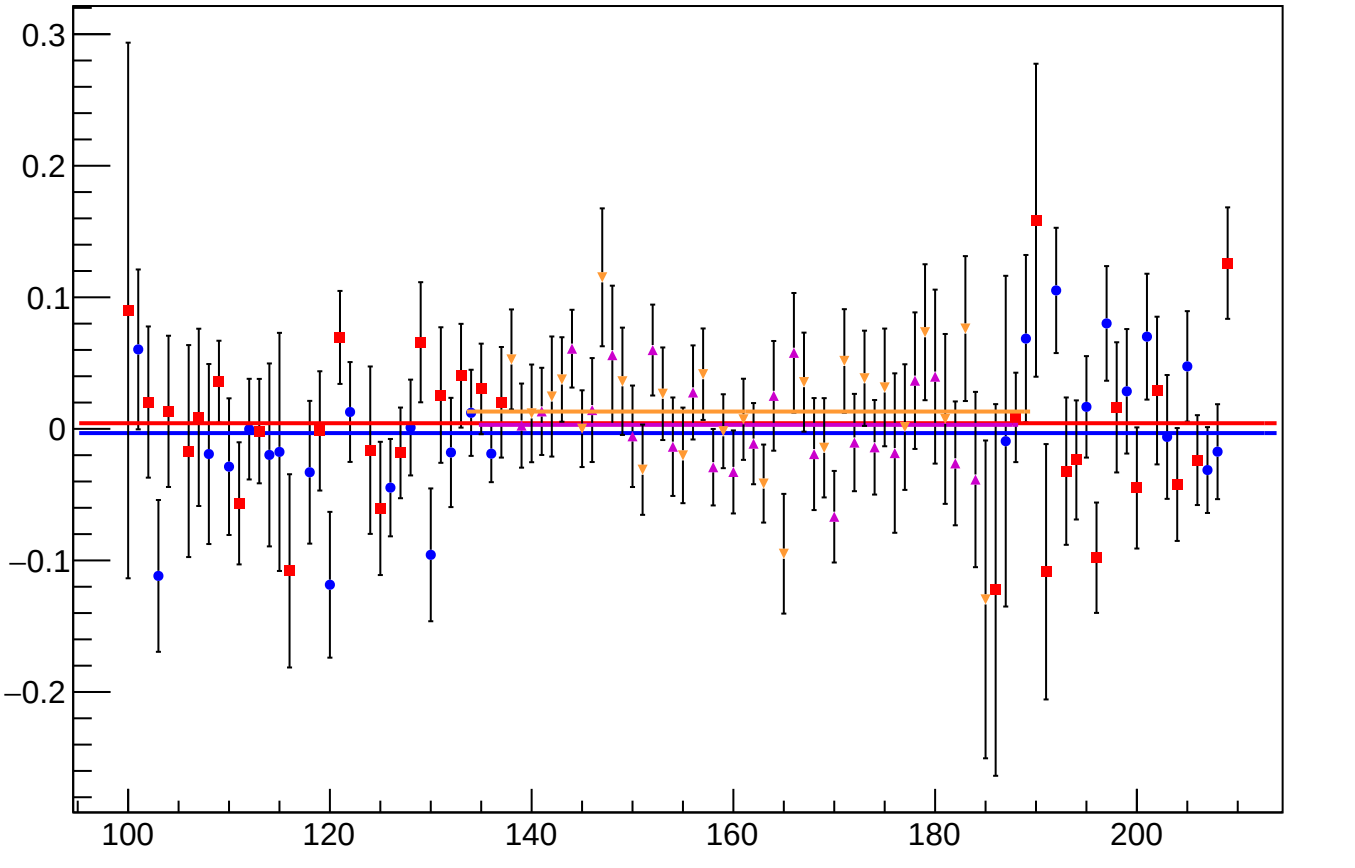
Right Out: 32.620+/-0.006 χ^2/NDF: 2462984.8/31

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 32.125+/-0.004 χ^2/NDF: 3852900.1/51

All: 32.520+/-0.003 χ^2/NDF: 7562804.4/106

\- sign 32.930+/-0.004 χ^2/NDF: 3689837.3/54



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

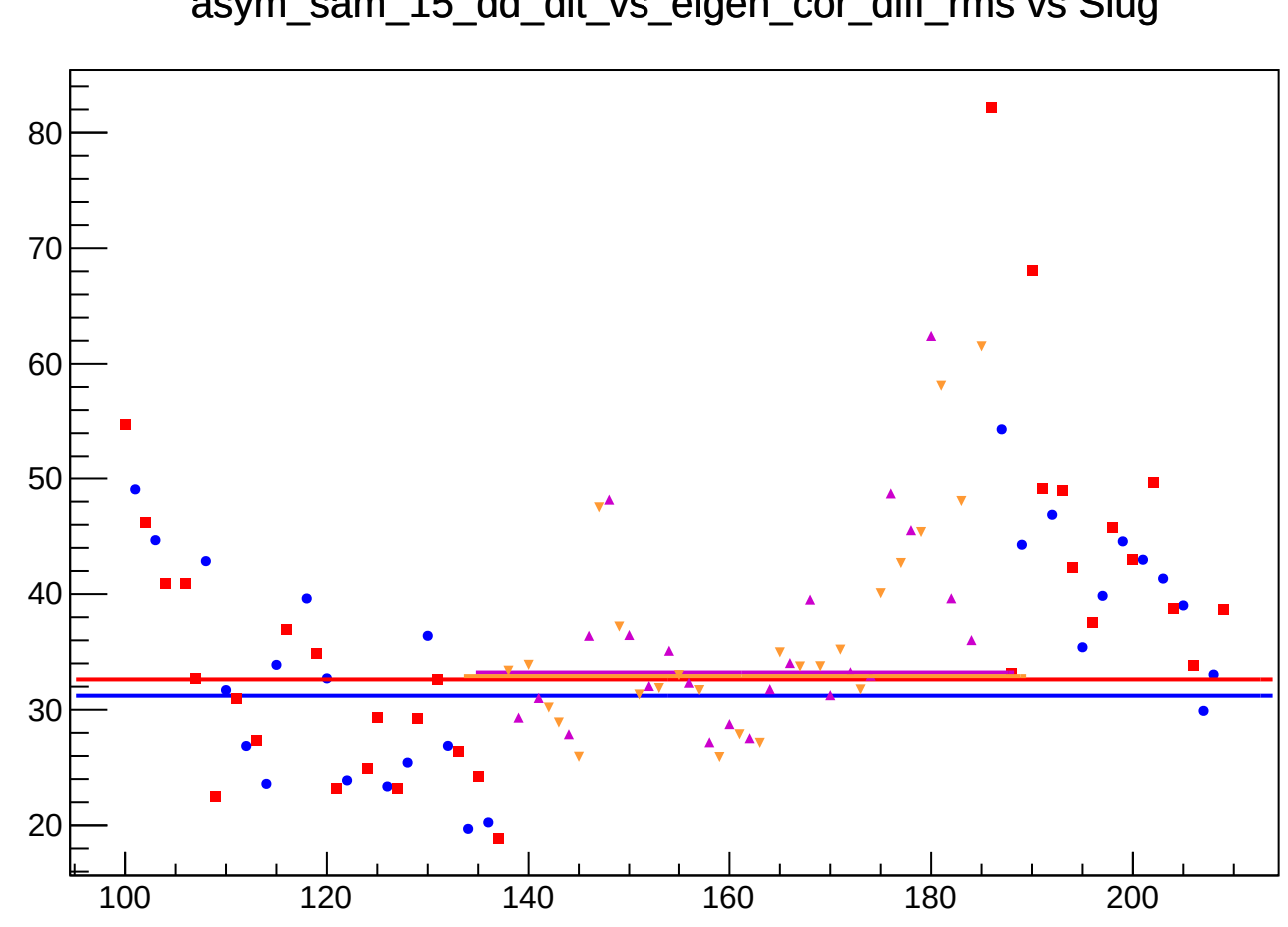
Right Out: 0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.005+/-0.004 χ^2/NDF: 114.3/106

- sign 0.004+/-0.006 χ^2/NDF: 55.9/54



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.620+/-0.006 χ^2/NDF: 2462984.8/31

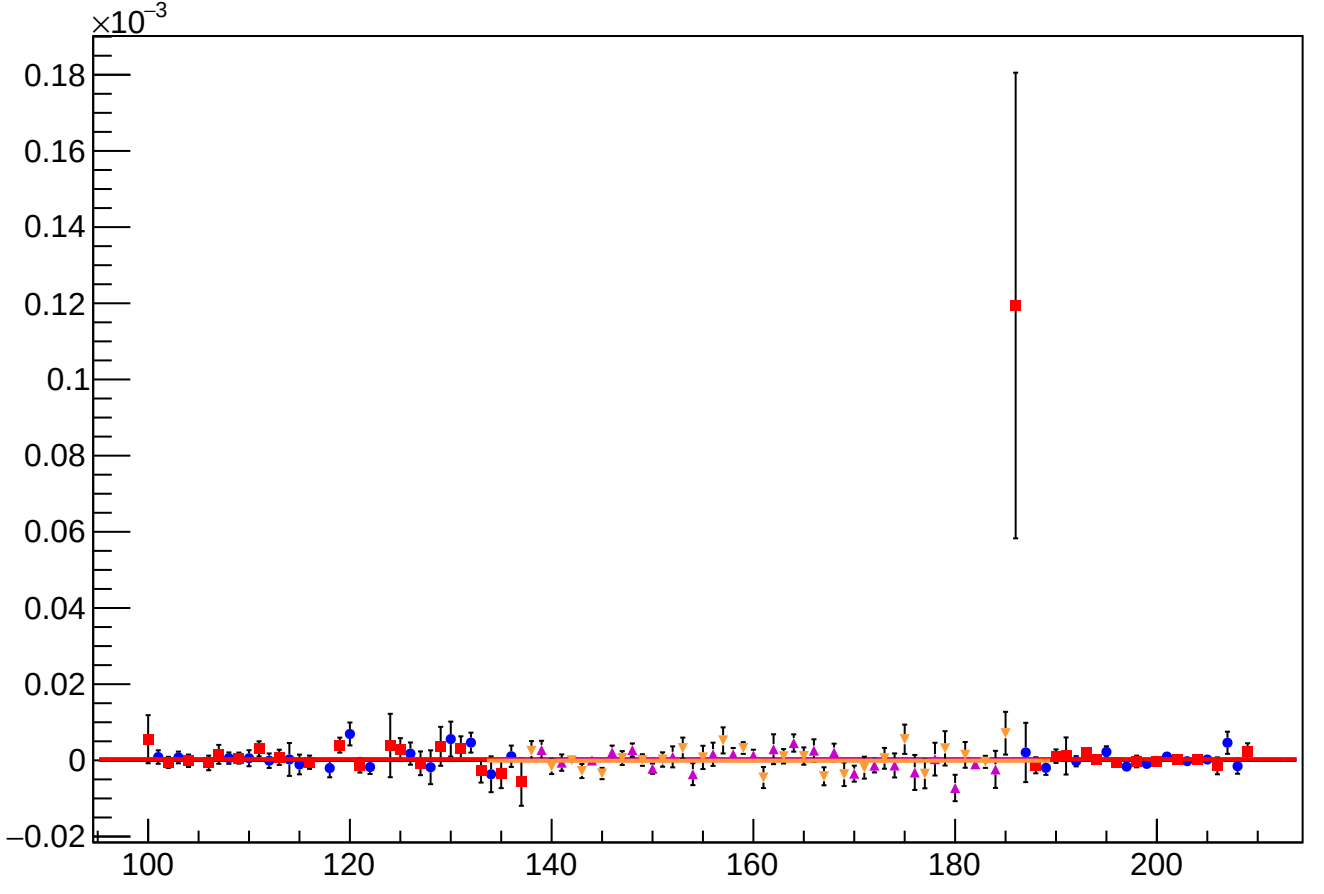
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.125+/-0.004 χ^2/NDF: 3852900.1/51

All: 32.520+/-0.003 χ^2/NDF: 7562804.4/106

- sign 32.930+/-0.004 χ^2/NDF: 3689837.3/54

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/31

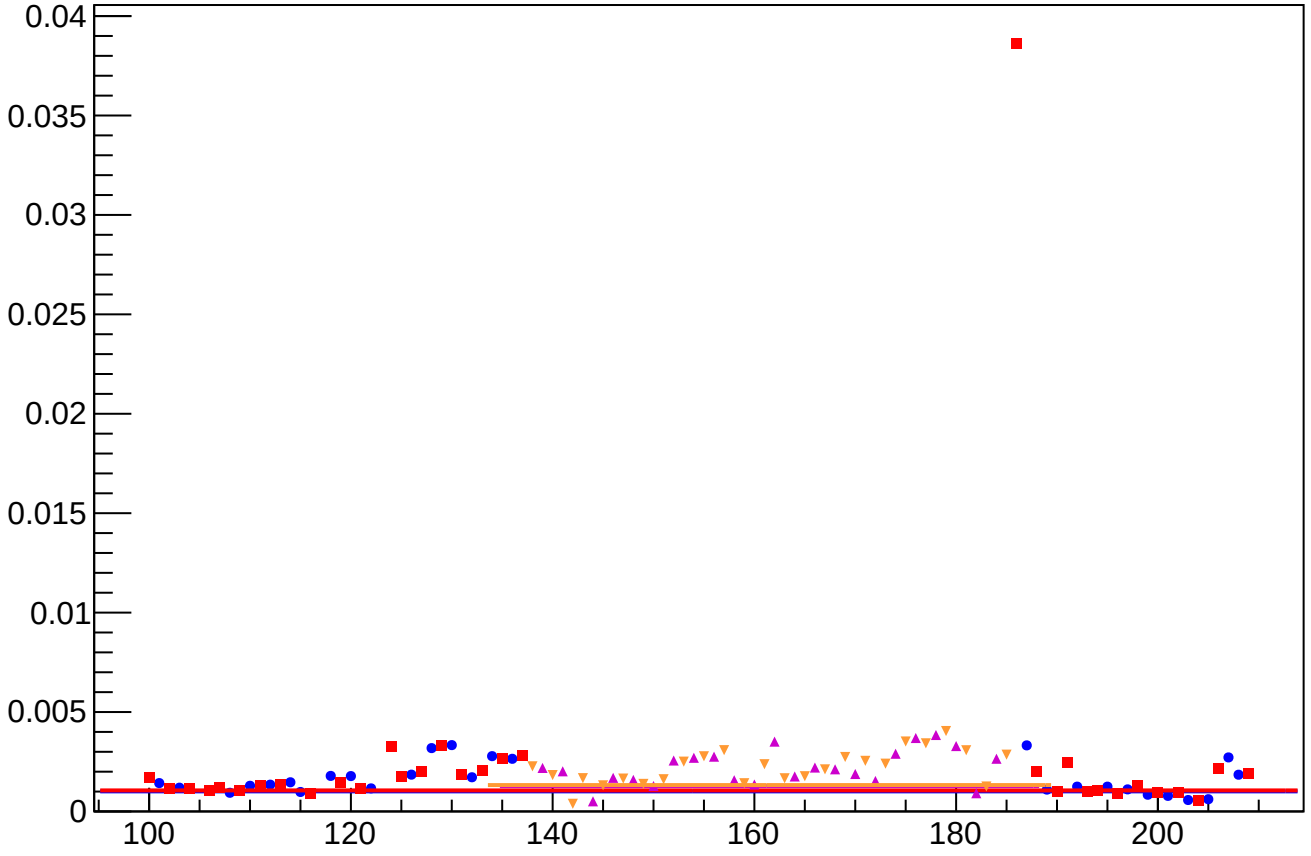
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/51

All: 0.000+/-0.000 χ^2/NDF: 106.0/106

- sign 0.000+/-0.000 χ^2/NDF: 50.1/54

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5773760.1/26

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

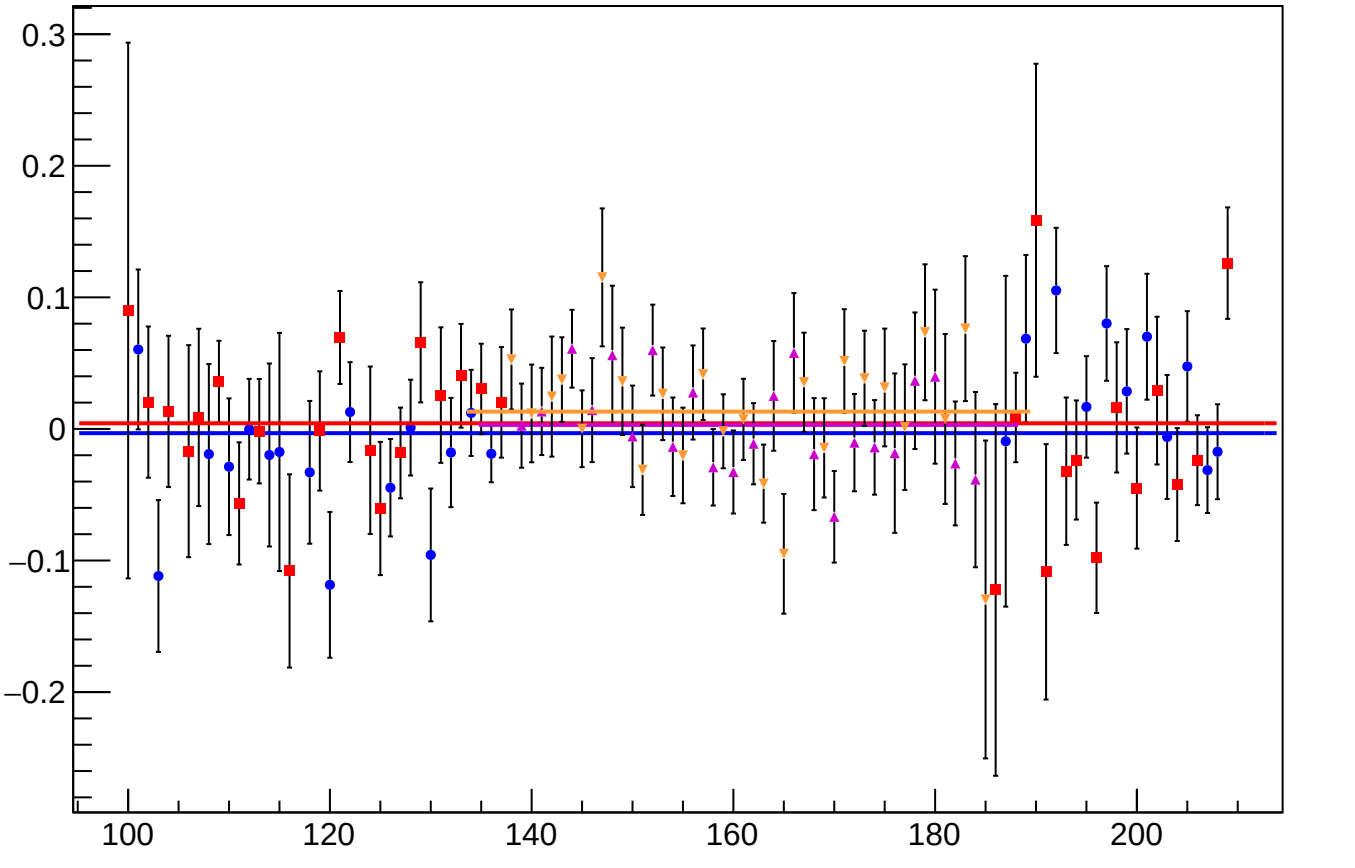
Right Out: 0.001+/-0.000 χ^2/NDF: 5756355.6/31

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 17842964.8/51

All: 0.001+/-0.000 χ^2/NDF: 33928083.6/106

\- sign 0.001+/-0.000 χ^2/NDF: 16082973.1/54



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

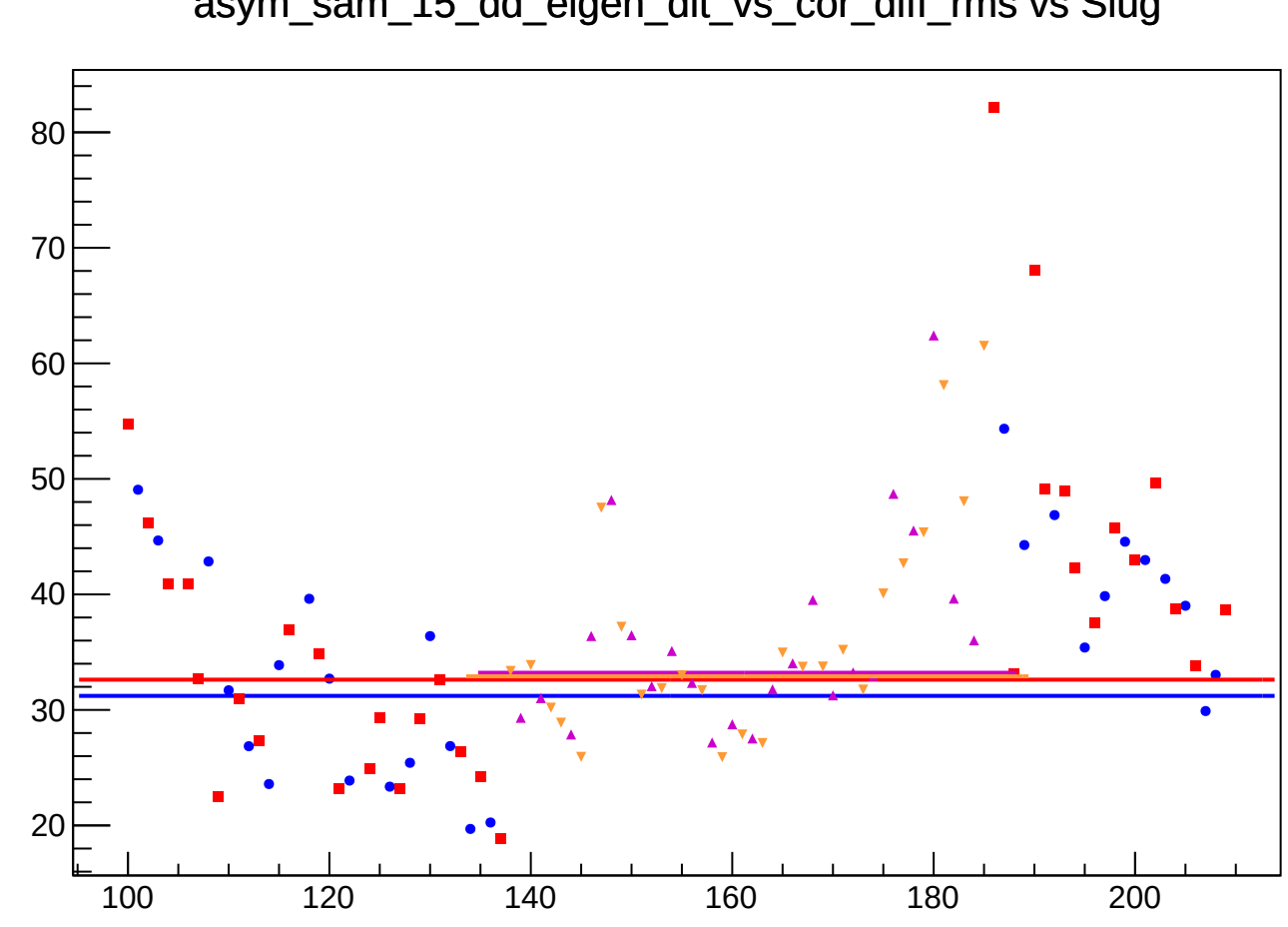
Right Out: 0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.005+/-0.004 χ^2/NDF: 114.3/106

- sign 0.004+/-0.006 χ^2/NDF: 55.9/54



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

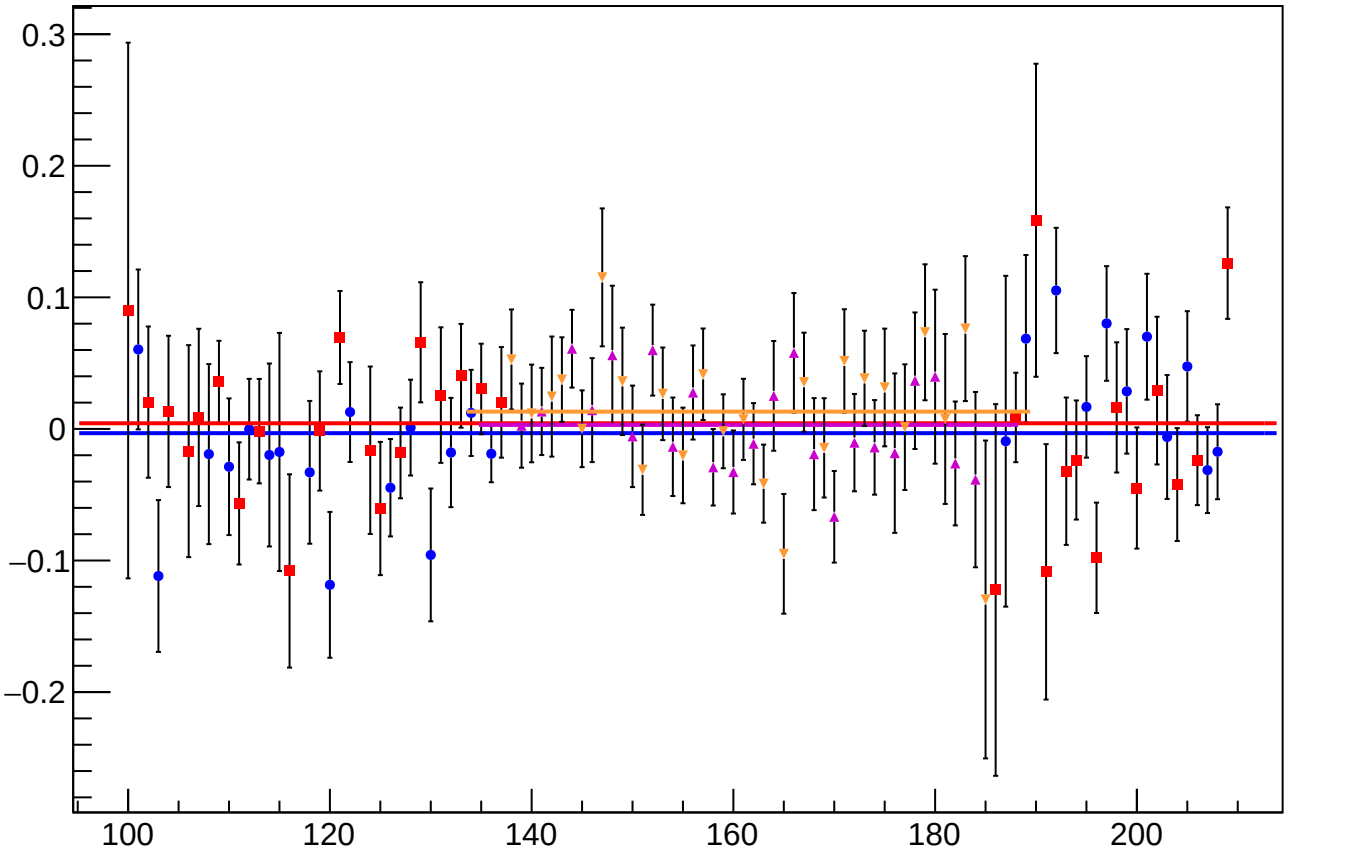
Right Out: 32.619+/-0.006 χ^2/NDF: 2463316.4/31

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.124+/-0.004 χ^2/NDF: 3853214.1/51

All: 32.519+/-0.003 χ^2/NDF: 7563537.6/106

- sign 32.929+/-0.004 χ^2/NDF: 3690259.3/54



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

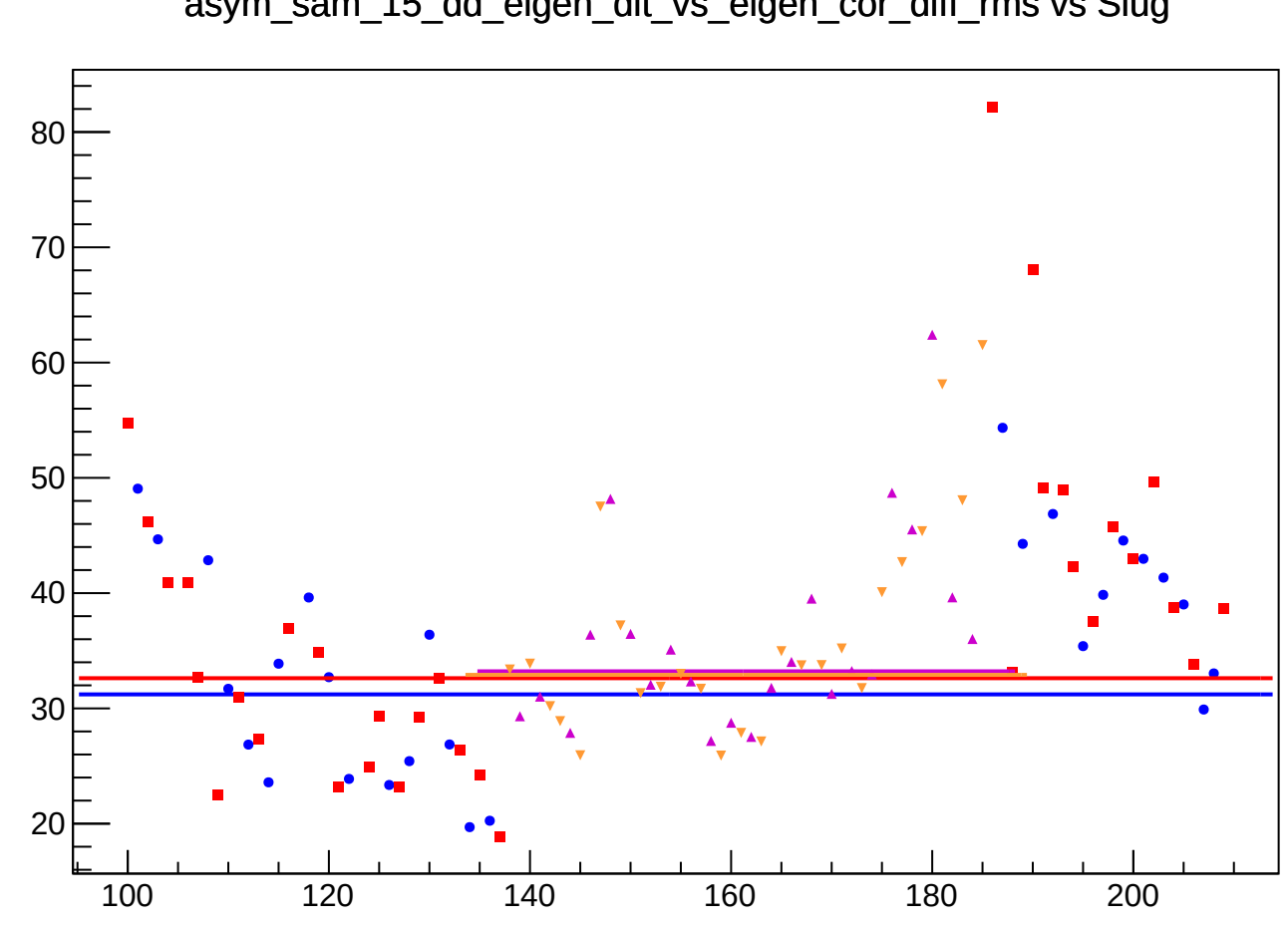
Right Out: 0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.006+/-0.006 χ^2/NDF: 58.3/51

All: 0.005+/-0.004 χ^2/NDF: 114.3/106

- sign 0.004+/-0.006 χ^2/NDF: 55.9/54



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

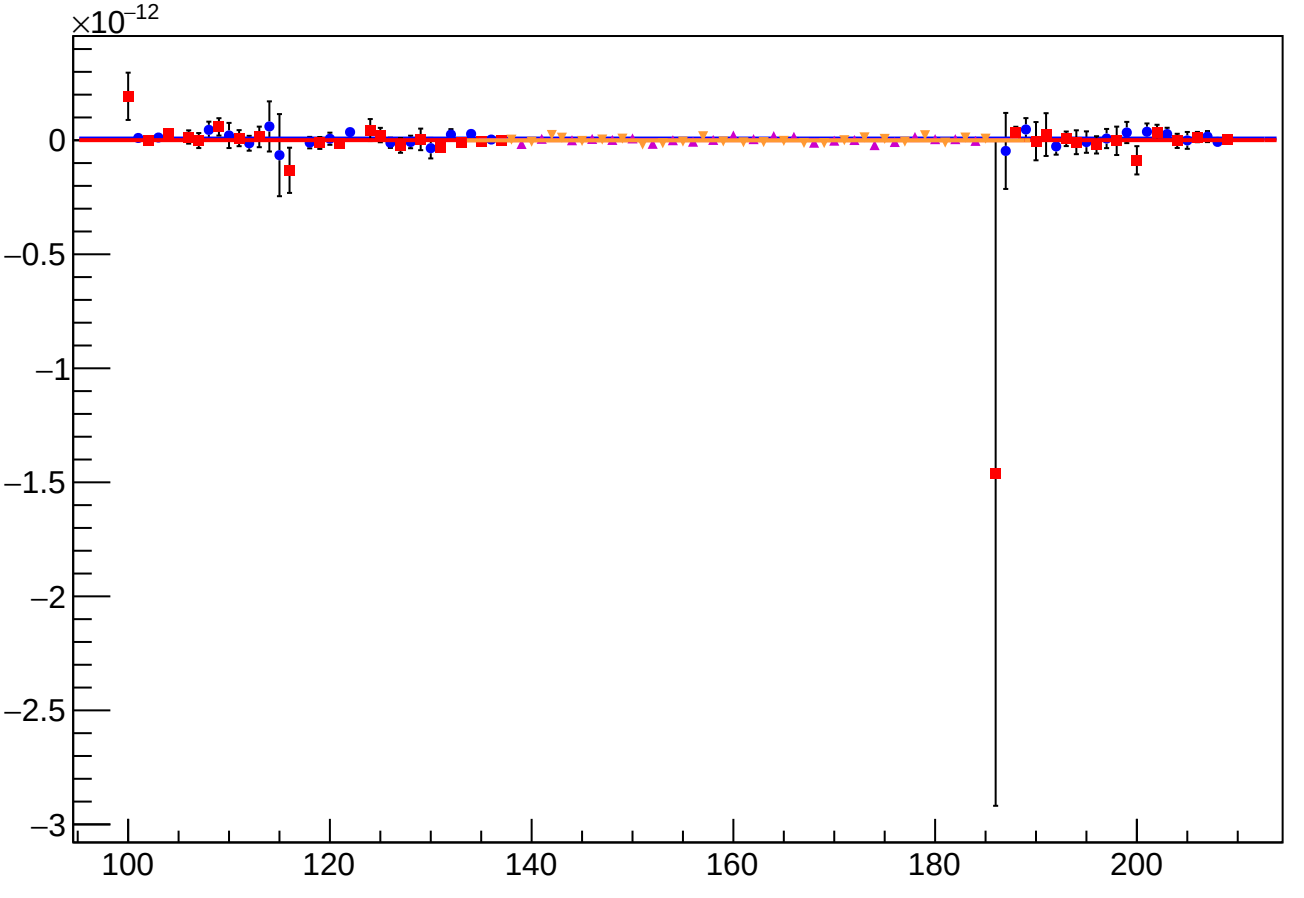
Right Out: 32.619+/-0.006 χ^2/NDF: 2463316.4/31

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 32.124+/-0.004 χ^2/NDF: 3853214.1/51

All: 32.519+/-0.003 χ^2/NDF: 7563537.6/106

\- sign 32.929+/-0.004 χ^2/NDF: 3690259.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

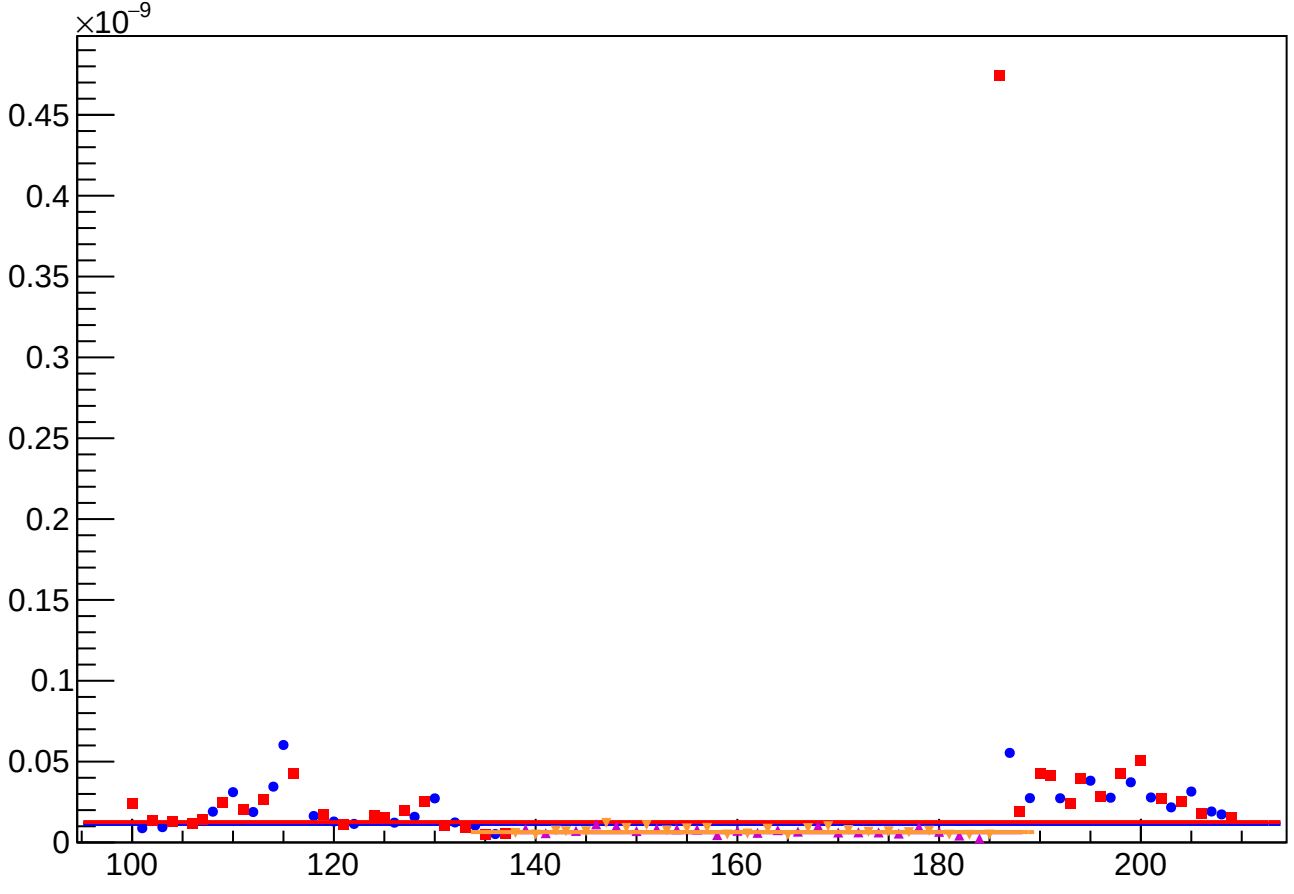
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/31

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/51

All: 0.000+/-0.000 χ^2/NDF: 93.2/106

- sign 0.000+/-0.000 χ^2/NDF: 47.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 6927311.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7204270.4/31

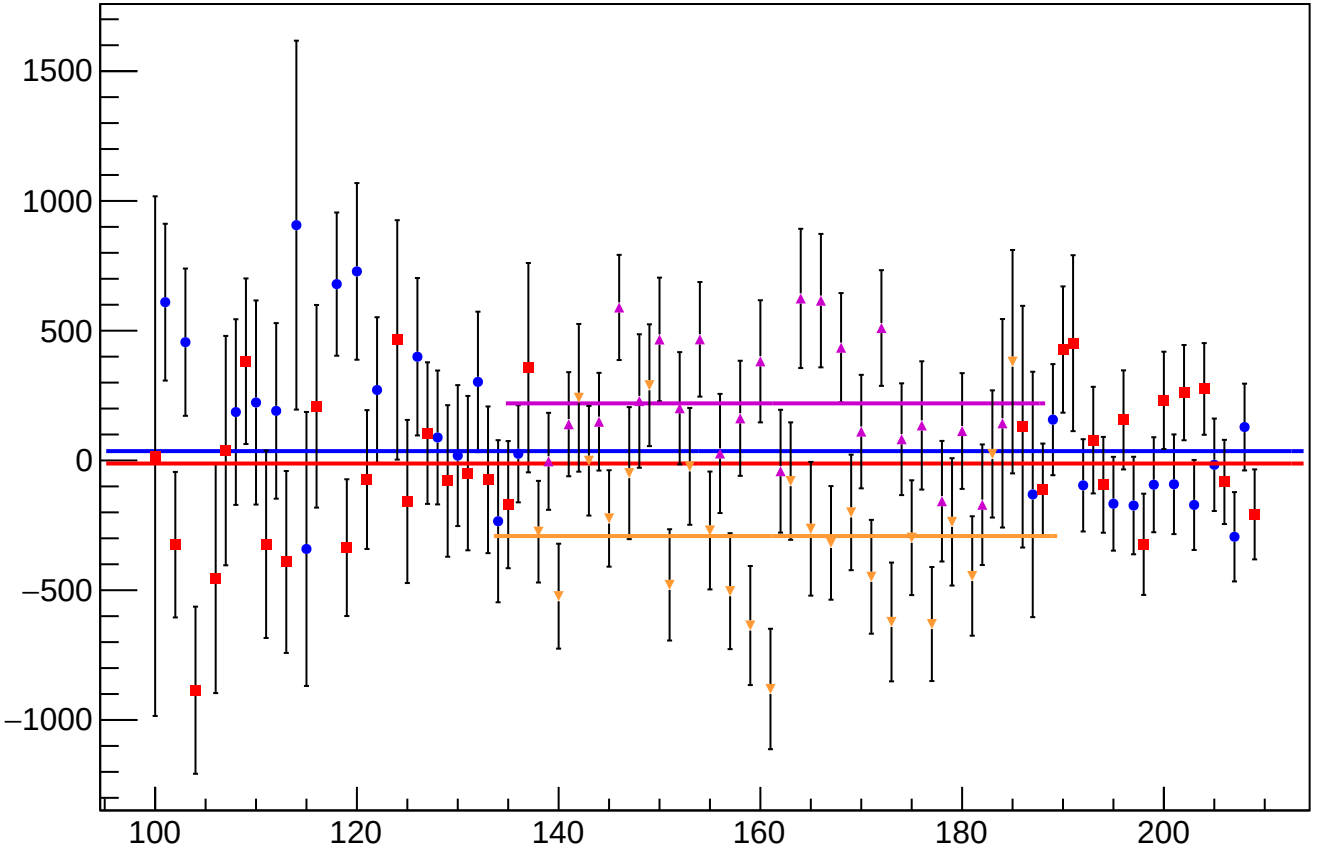
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11237212.3/51

All: 0.000+/-0.000 χ^2/NDF: 24035910.0/106

- sign 0.000+/-0.000 χ^2/NDF: 12797147.6/54

reg_asym_sam_26_dd_mean vs Slug



Right In: 35.964+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -11.808+/-44.233 χ^2/NDF: 35.1/31

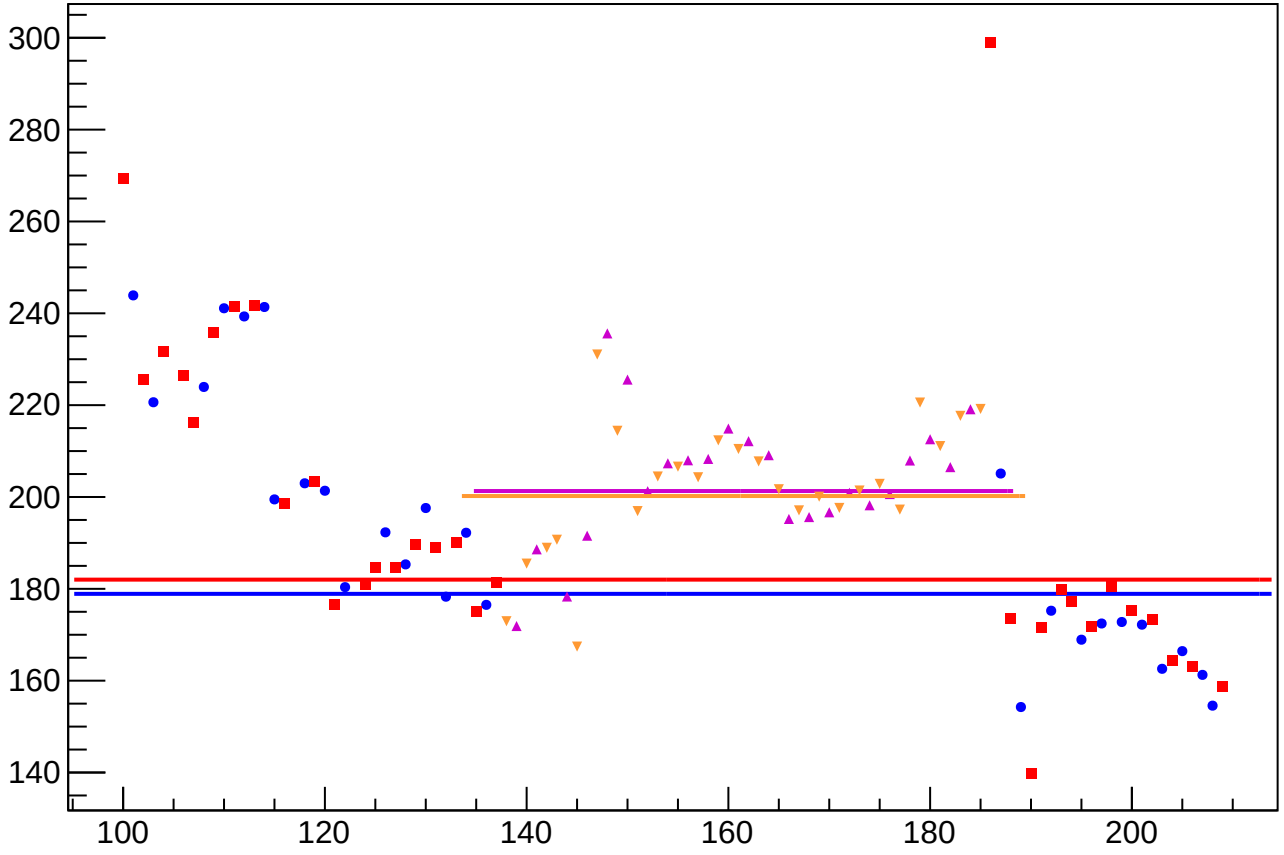
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -126.676+/-32.155 χ^2/NDF: 94.1/51

All: -15.343+/-22.774 χ^2/NDF: 189.8/106

- sign 96.704+/-32.258 χ^2/NDF: 71.7/54

reg_asym_sam_26_dd_rms vs Slug



Right In: 178.908+/-0.032 χ^2/NDF: 480017.7/26

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 182.004+/-0.031 χ^2/NDF: 626942.9/31

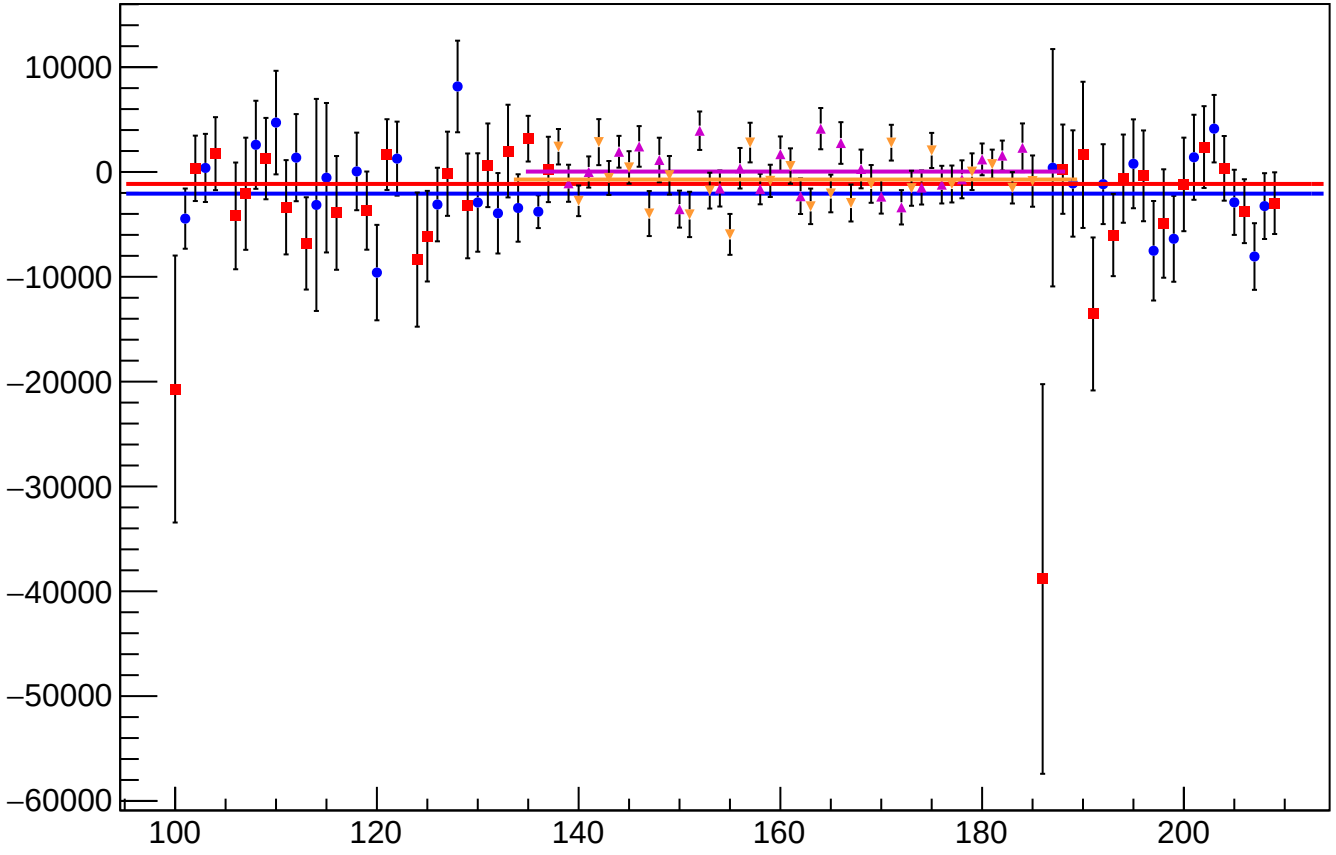
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 189.494+/-0.023 χ^2/NDF: 903840.6/51

All: 190.263+/-0.016 χ^2/NDF: 1892854.4/106

- sign 191.036+/-0.023 χ^2/NDF: 986719.6/54

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2066.456+/-691.476 χ^2/NDF: 27.5/26

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1140.345+/-709.396 χ^2/NDF: 26.6/31

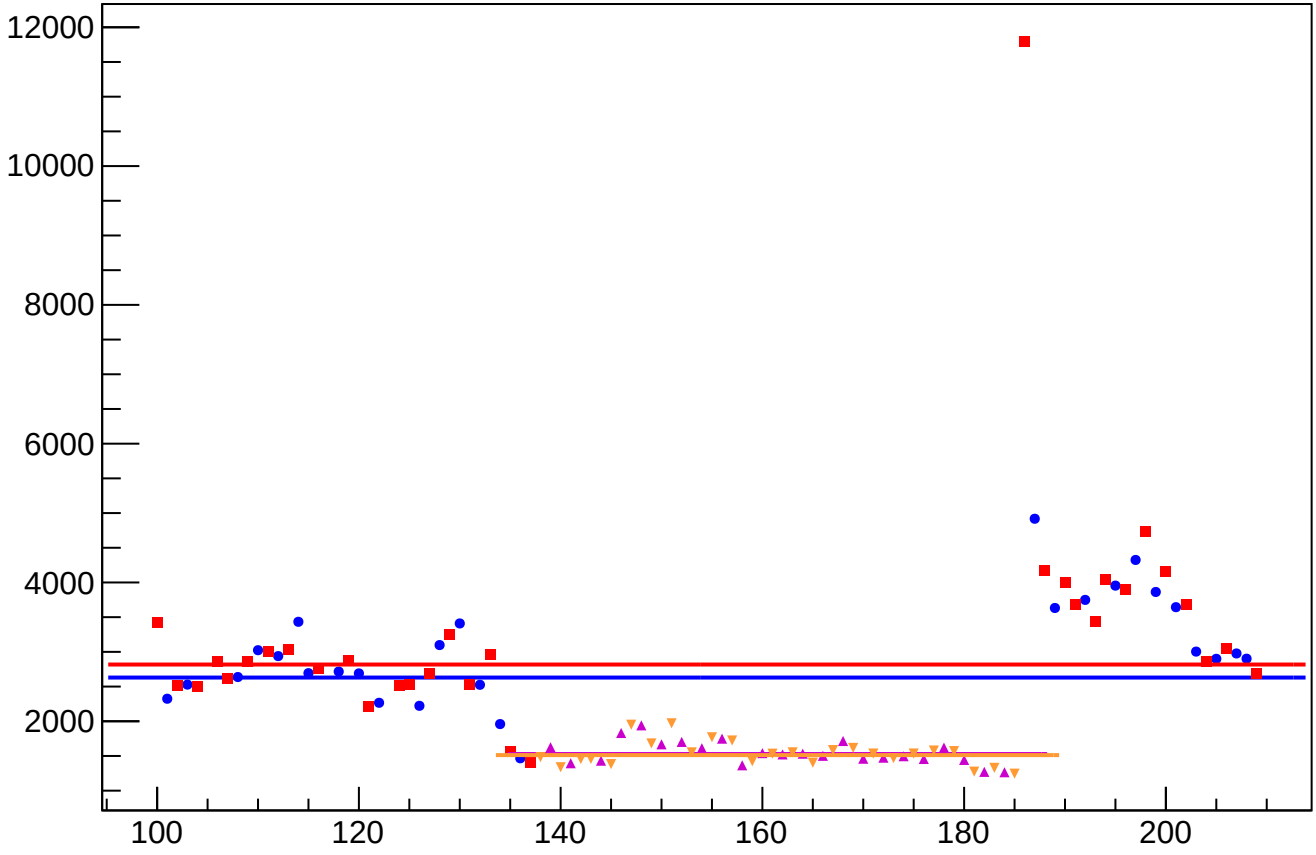
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -990.646+/-309.694 χ^2/NDF: 68.8/51

All: -609.616+/-222.711 χ^2/NDF: 135.2/106

- sign -201.514+/-320.507 χ^2/NDF: 63.2/54

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2629.850+/-0.489 χ^2/NDF: 2553923.8/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2817.605+/-0.502 χ^2/NDF: 2905592.8/31

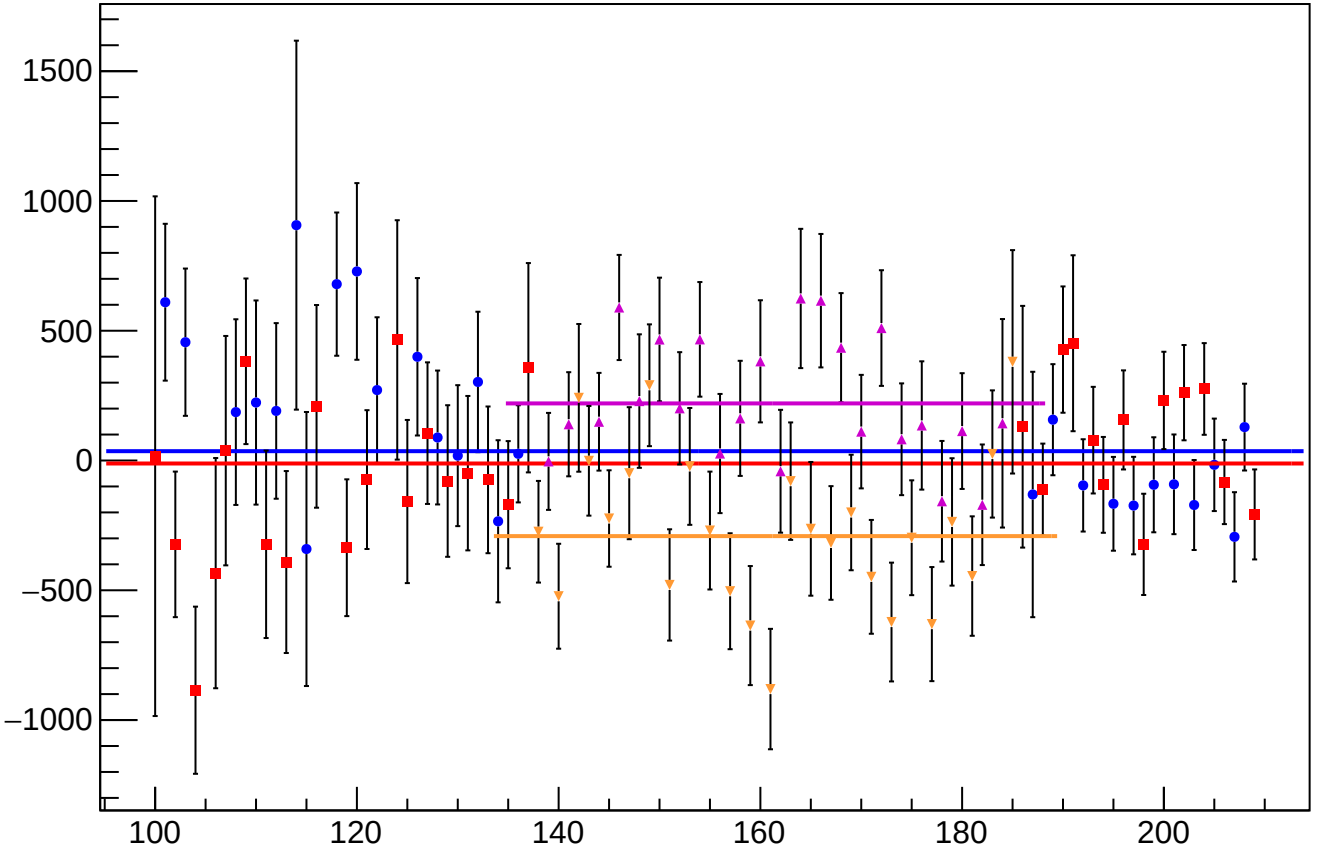
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1736.522+/-0.219 χ^2/NDF: 7172178.5/51

All: 1762.929+/-0.157 χ^2/NDF: 15742325.5/1

- sign 1791.213+/-0.227 χ^2/NDF: 8540030.4/54

cor_asym_sam_26_dd_mean vs Slug



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -11.515+/-44.236 χ^2/NDF: 34.9/31

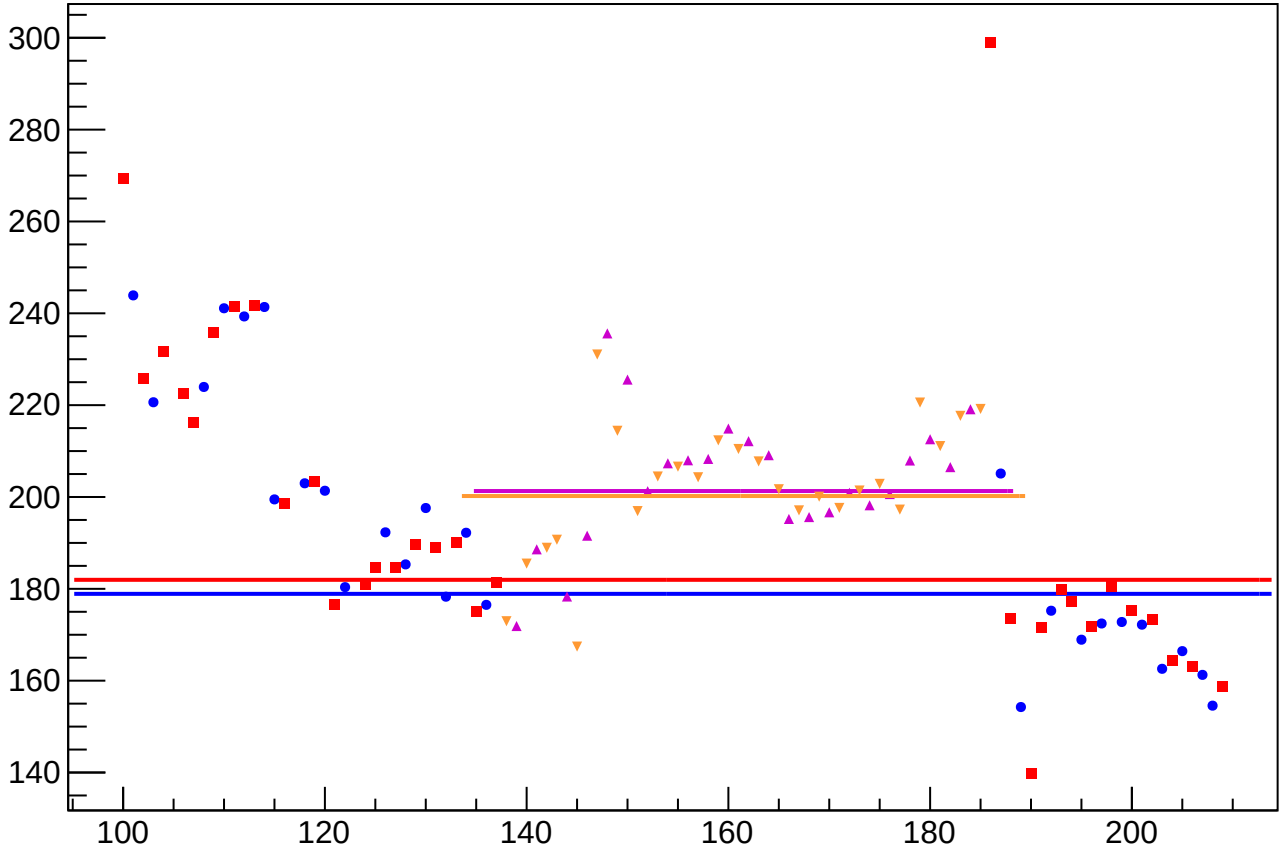
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -126.682+/-32.155 χ^2/NDF: 94.1/51

All: -15.267+/-22.774 χ^2/NDF: 189.7/106

- sign 96.869+/-32.259 χ^2/NDF: 71.5/54

cor_asym_sam_26_dd_rms vs Slug



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.962+/-0.031 χ^2/NDF: 623493.0/31

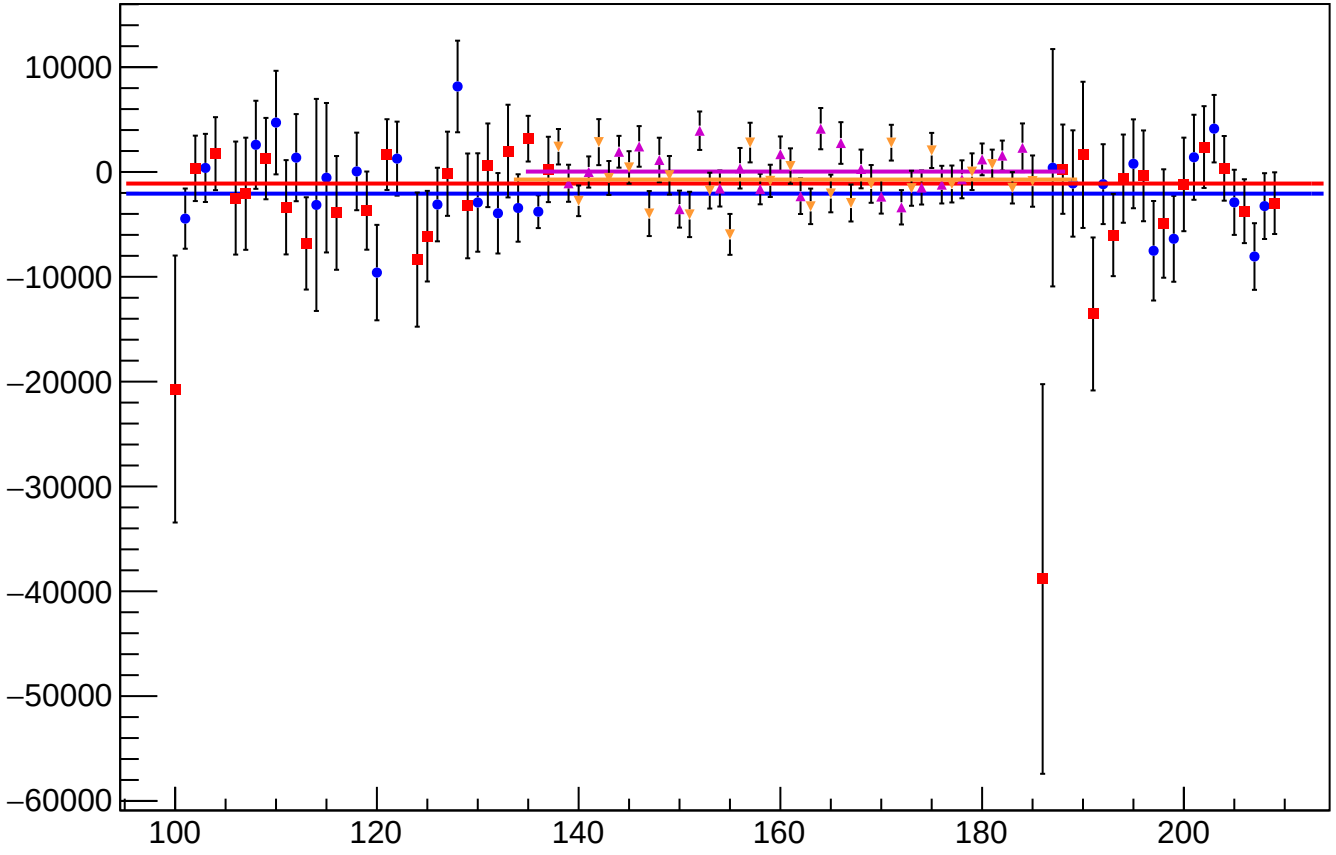
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 189.494+/-0.023 χ^2/NDF: 903841.1/51

All: 190.252+/-0.016 χ^2/NDF: 1890105.0/106

- sign 191.015+/-0.023 χ^2/NDF: 984034.1/54

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1104.589+/-710.159 χ^2/NDF: 26.3/31

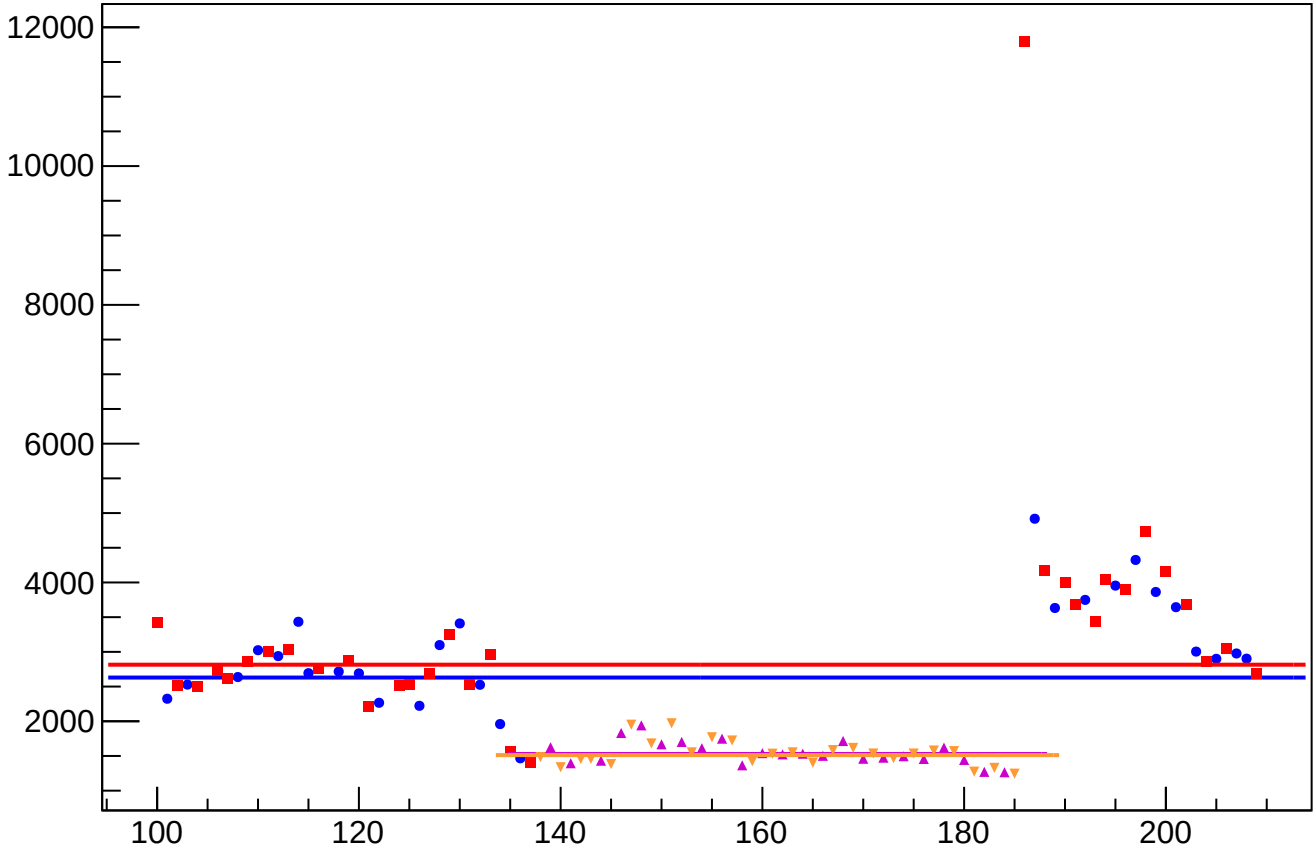
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -990.646+/-309.694 χ^2/NDF: 68.8/51

All: -605.987+/-222.735 χ^2/NDF: 134.8/106

- sign -193.817+/-320.577 χ^2/NDF: 62.8/54

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2815.197+/-0.502 χ^2/NDF: 2905770.3/31

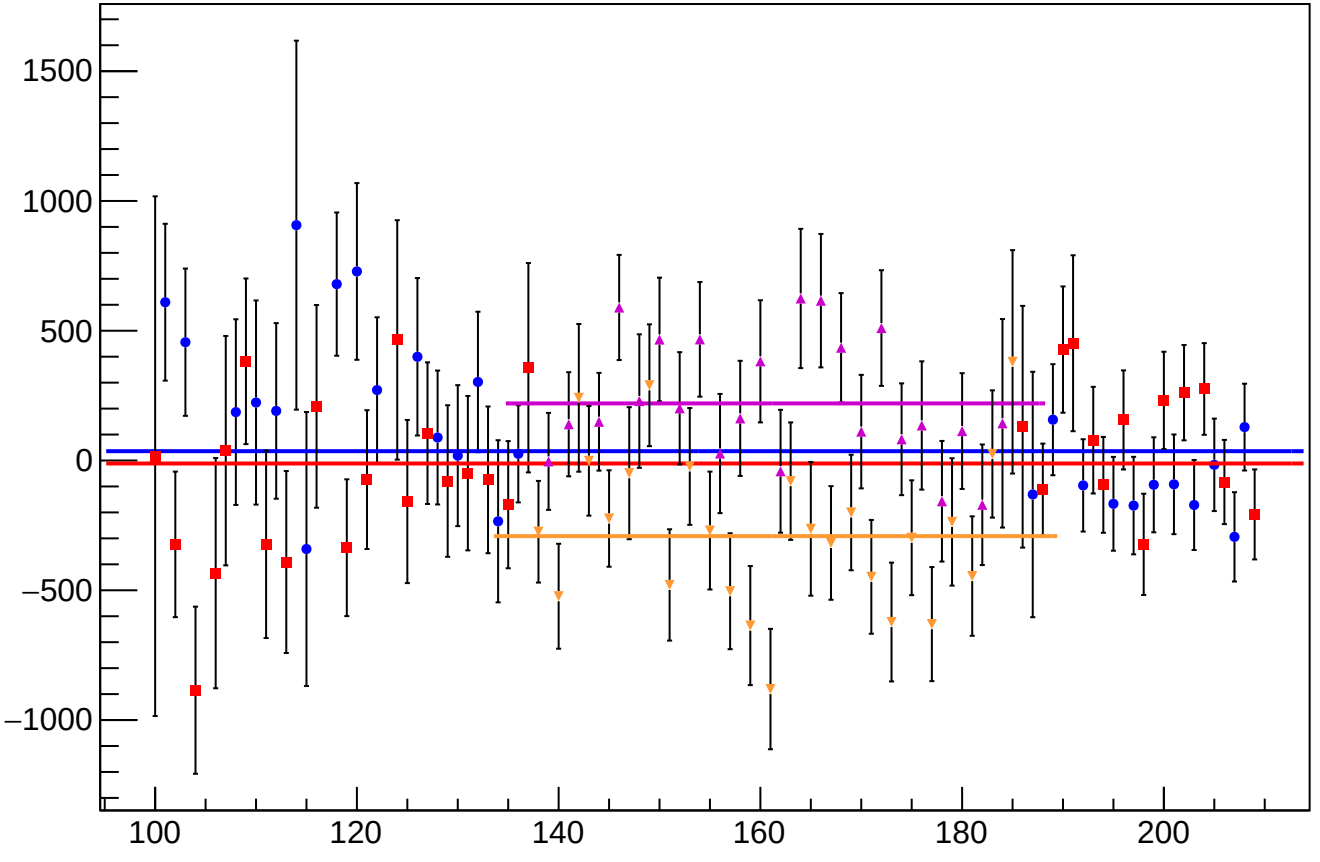
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

\+ sign 1736.522+/-0.219 χ^2/NDF: 7172190.6/51

All: 1762.469+/-0.157 χ^2/NDF: 15712888.2/1

\- sign 1790.272+/-0.227 χ^2/NDF: 8511615.1/54

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -11.515+/-44.236 χ^2/NDF: 34.9/31

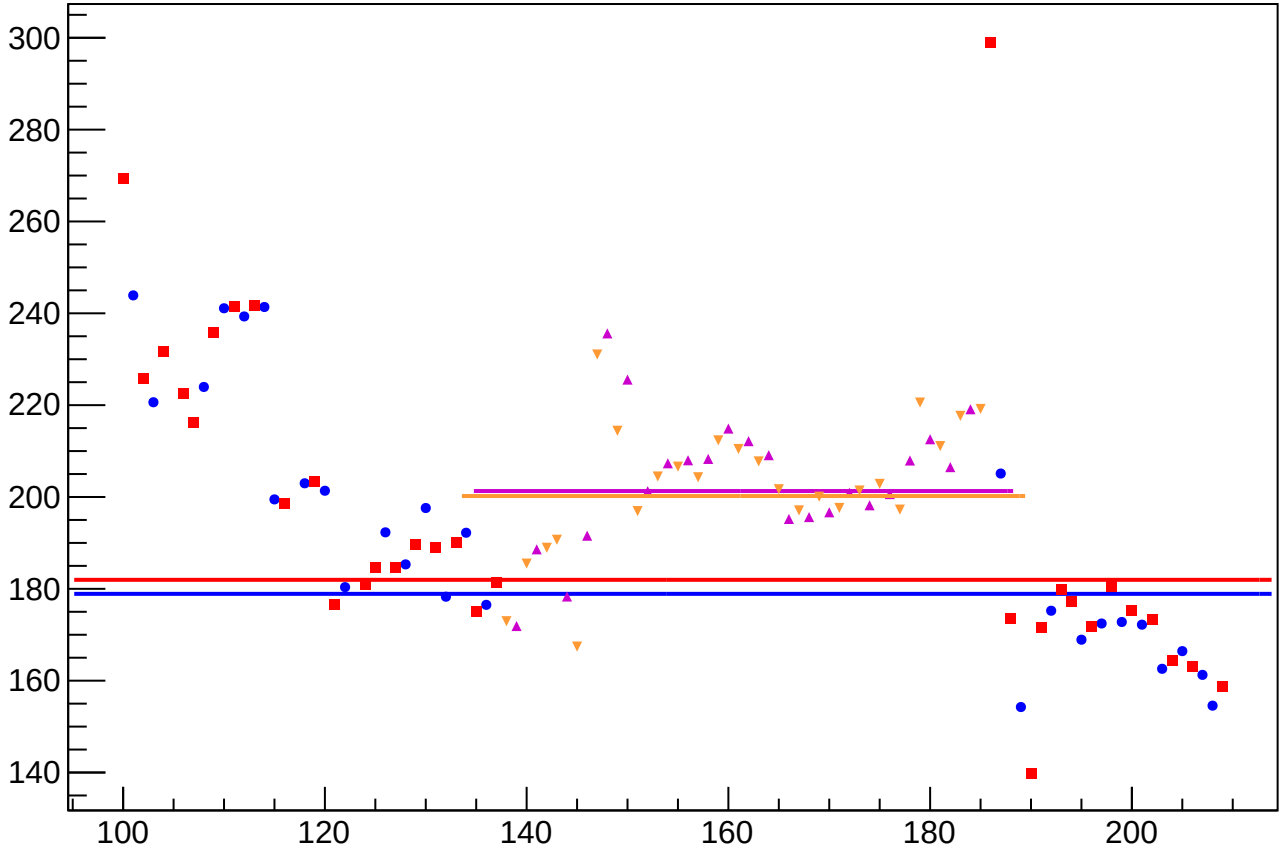
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -126.682+/-32.155 χ^2/NDF: 94.1/51

All: -15.267+/-22.774 χ^2/NDF: 189.7/106

- sign 96.869+/-32.259 χ^2/NDF: 71.5/54

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

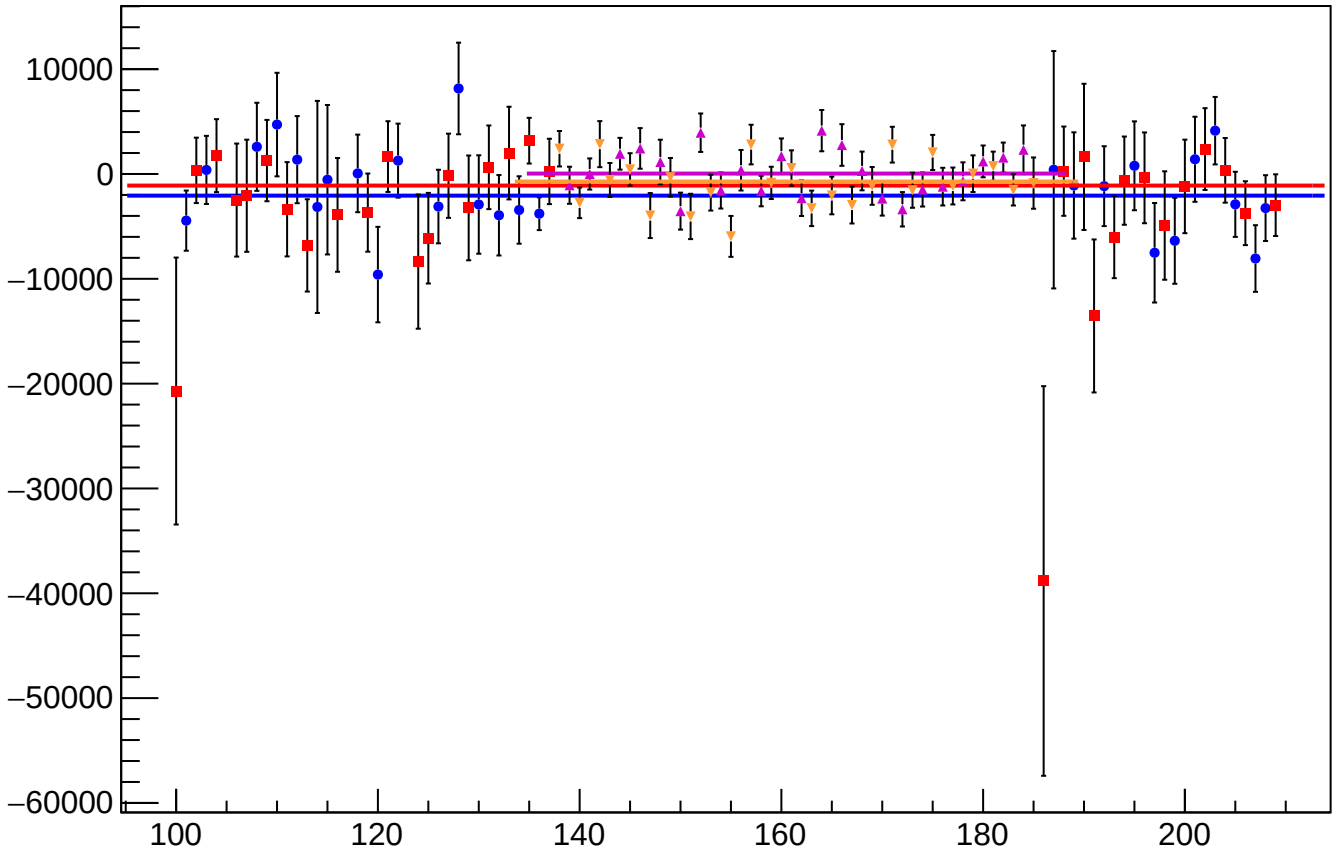
Right Out: 181.962+/-0.031 χ^2/NDF: 623493.0/31

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 189.494+/-0.023 χ^2/NDF: 903841.1/51

All: 190.252+/-0.016 χ^2/NDF: 1890105.0/106

- sign 191.015+/-0.023 χ^2/NDF: 984034.1/54



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1104.589+/-710.159 χ^2/NDF: 26.3/31

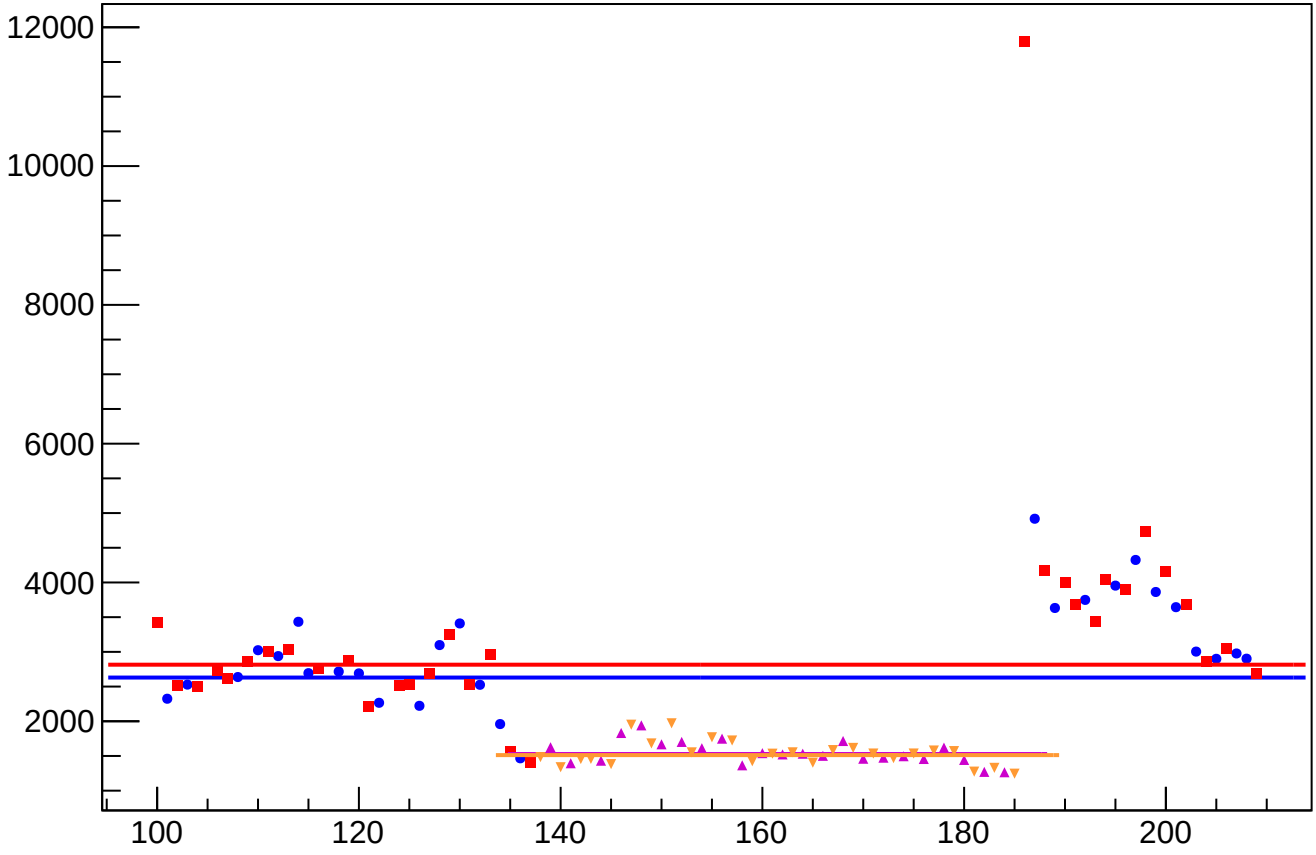
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

\+ sign -990.646+/-309.694 χ^2/NDF: 68.8/51

All: -605.987+/-222.735 χ^2/NDF: 134.8/106

\- sign -193.817+/-320.577 χ^2/NDF: 62.8/54

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2815.197+/-0.502 χ^2/NDF: 2905770.3/31

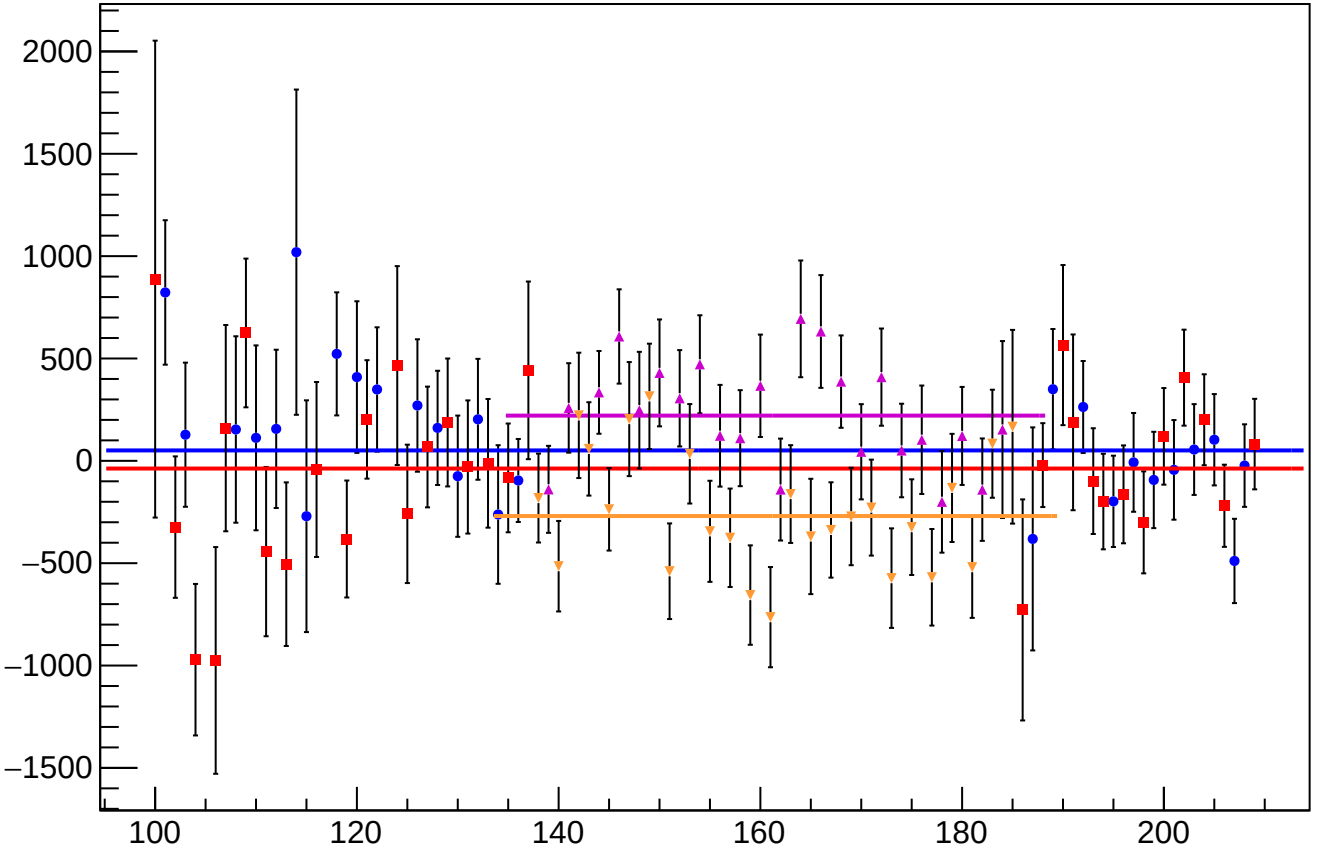
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

\+ sign 1736.522+/-0.219 χ^2/NDF: 7172190.6/51

All: 1762.469+/-0.157 χ^2/NDF: 15712888.2/1

\- sign 1790.272+/-0.227 χ^2/NDF: 8511615.1/54

dit_asym_sam_26_dd_mean vs Slug



Right In: 50.885+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -37.637+/-53.104 χ^2/NDF: 34.4/31

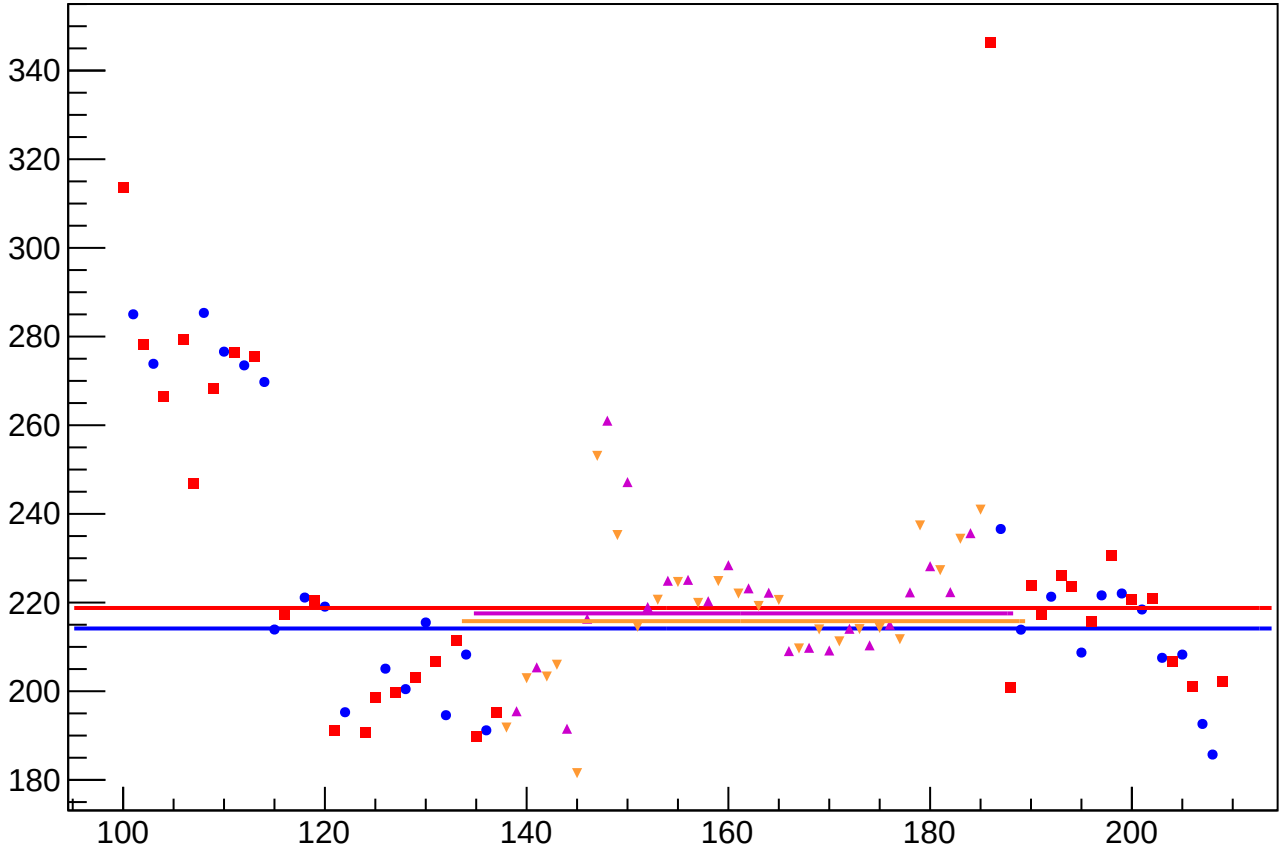
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -125.015+/-36.414 χ^2/NDF: 75.7/51

All: -15.089+/-25.872 χ^2/NDF: 164.2/106

- sign 96.980+/-36.767 χ^2/NDF: 70.1/54

dit_asym_sam_26_dd_rms vs Slug



Right In: 214.153+/-0.038 χ^2/NDF: 409037.0/26

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

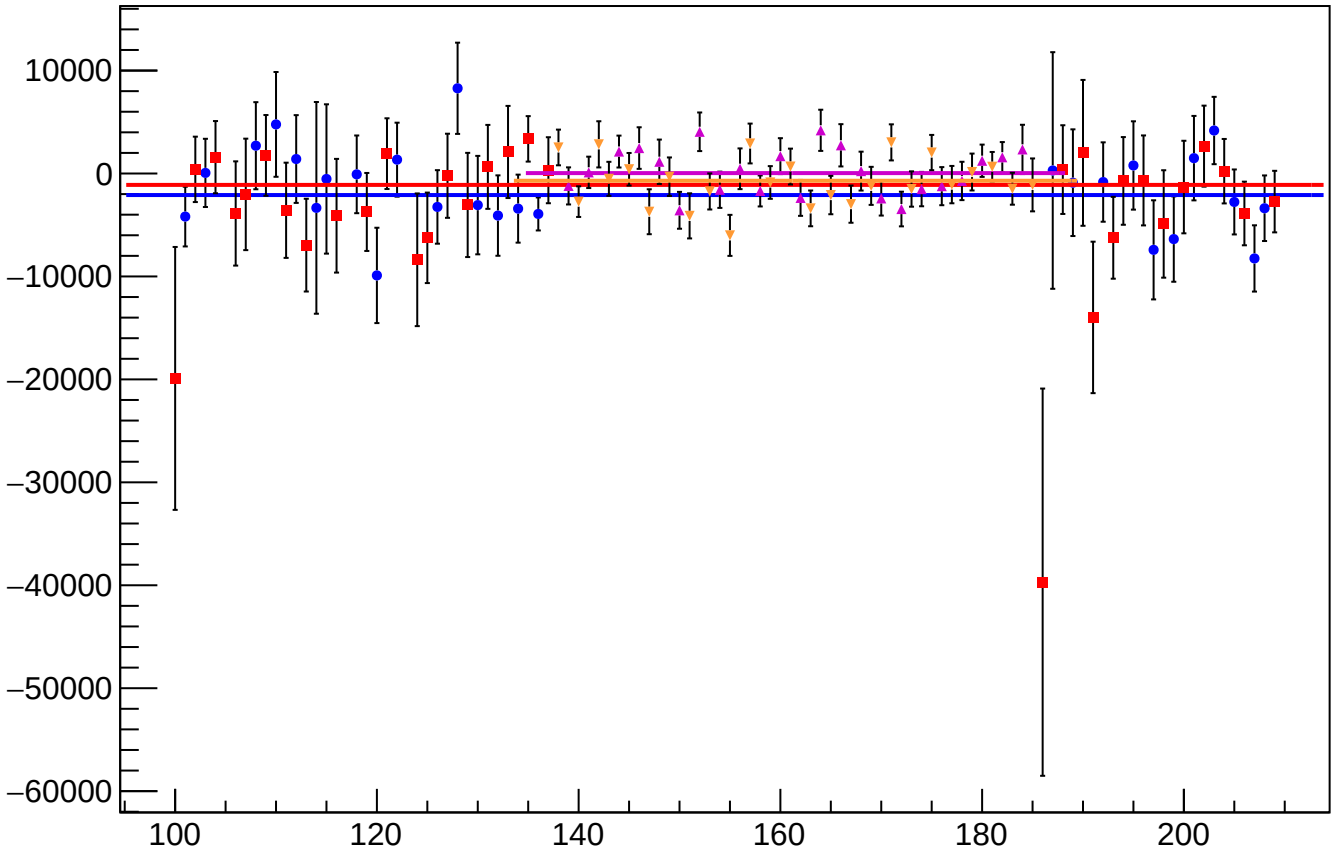
Right Out: 218.778+/-0.038 χ^2/NDF: 499083.5/31

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 215.060+/-0.026 χ^2/NDF: 598757.8/51

All: 216.586+/-0.018 χ^2/NDF: 1266549.0/106

- sign 218.141+/-0.026 χ^2/NDF: 660702.2/54



Right In: -2092.805+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1106.967+/-719.753 χ^2/NDF: 27.2/31

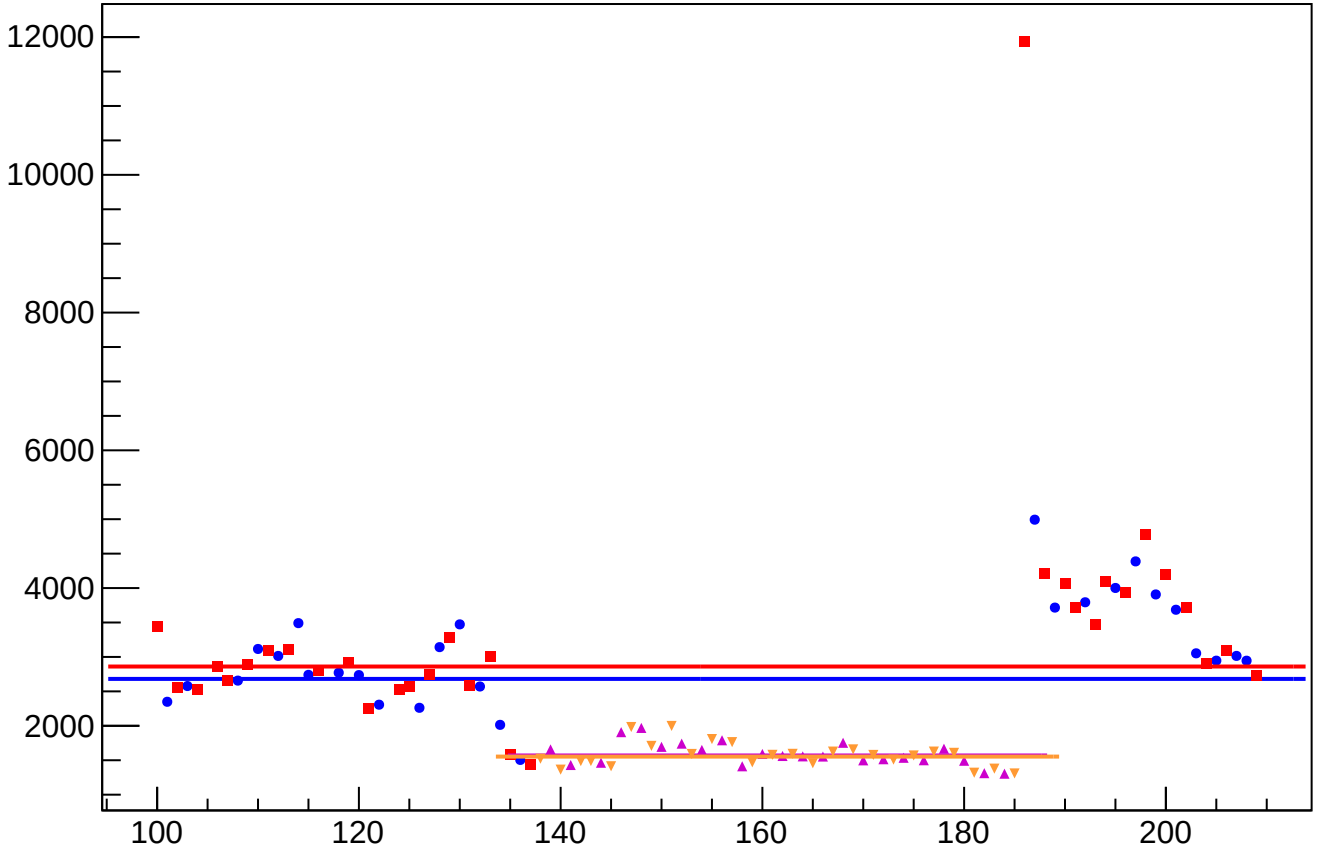
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -986.111+/-317.313 χ^2/NDF: 68.1/51

All: -605.847+/-228.150 χ^2/NDF: 134.7/106

- sign -198.862+/-328.273 χ^2/NDF: 63.5/54

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2681.036+/-0.498 χ^2/NDF: 2491773.9/26

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2860.840+/-0.509 χ^2/NDF: 2864211.4/31

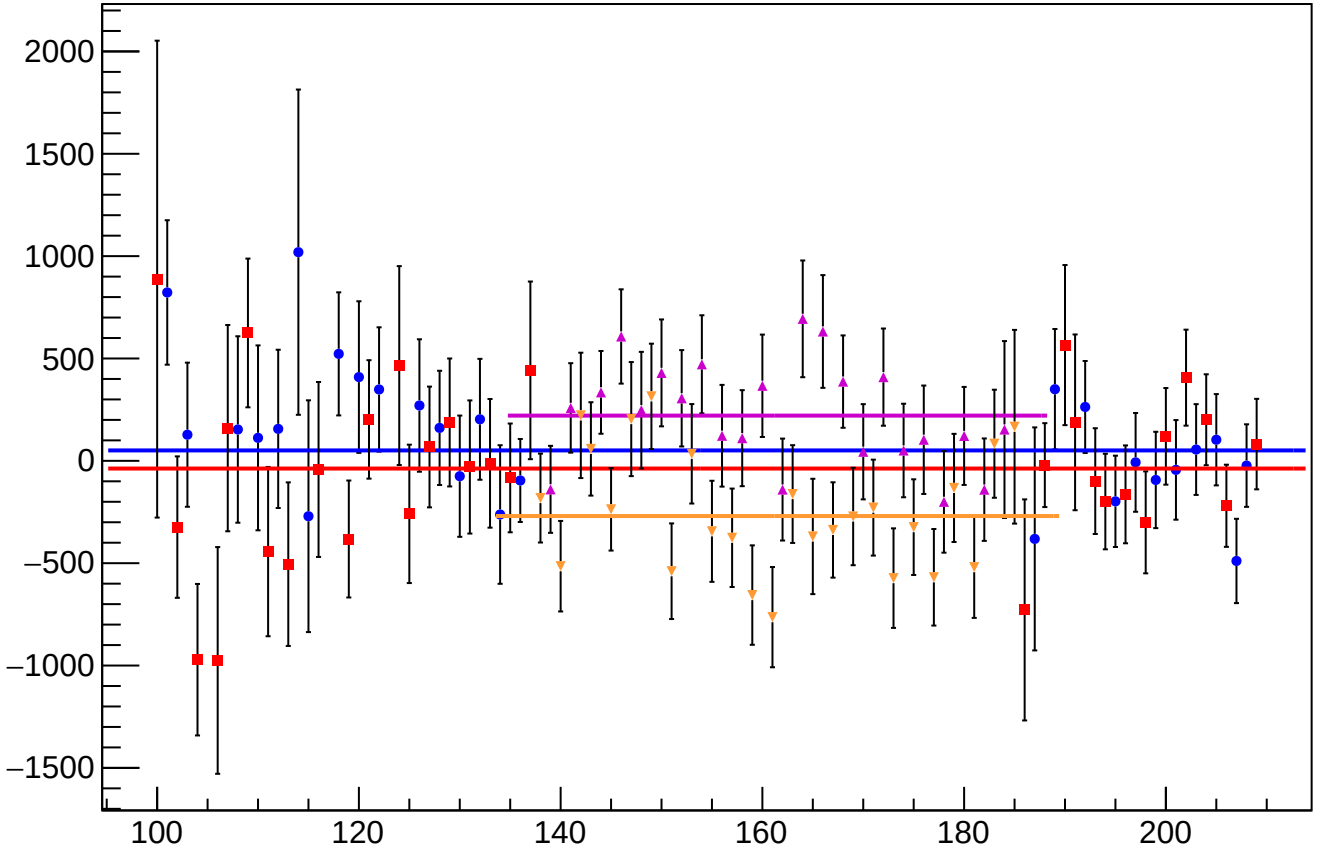
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

\+ sign 1782.148+/-0.224 χ^2/NDF: 6992805.7/51

All: 1809.141+/-0.161 χ^2/NDF: 15344077.2/1

\- sign 1838.030+/-0.232 χ^2/NDF: 8321309.5/54

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 50.888+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

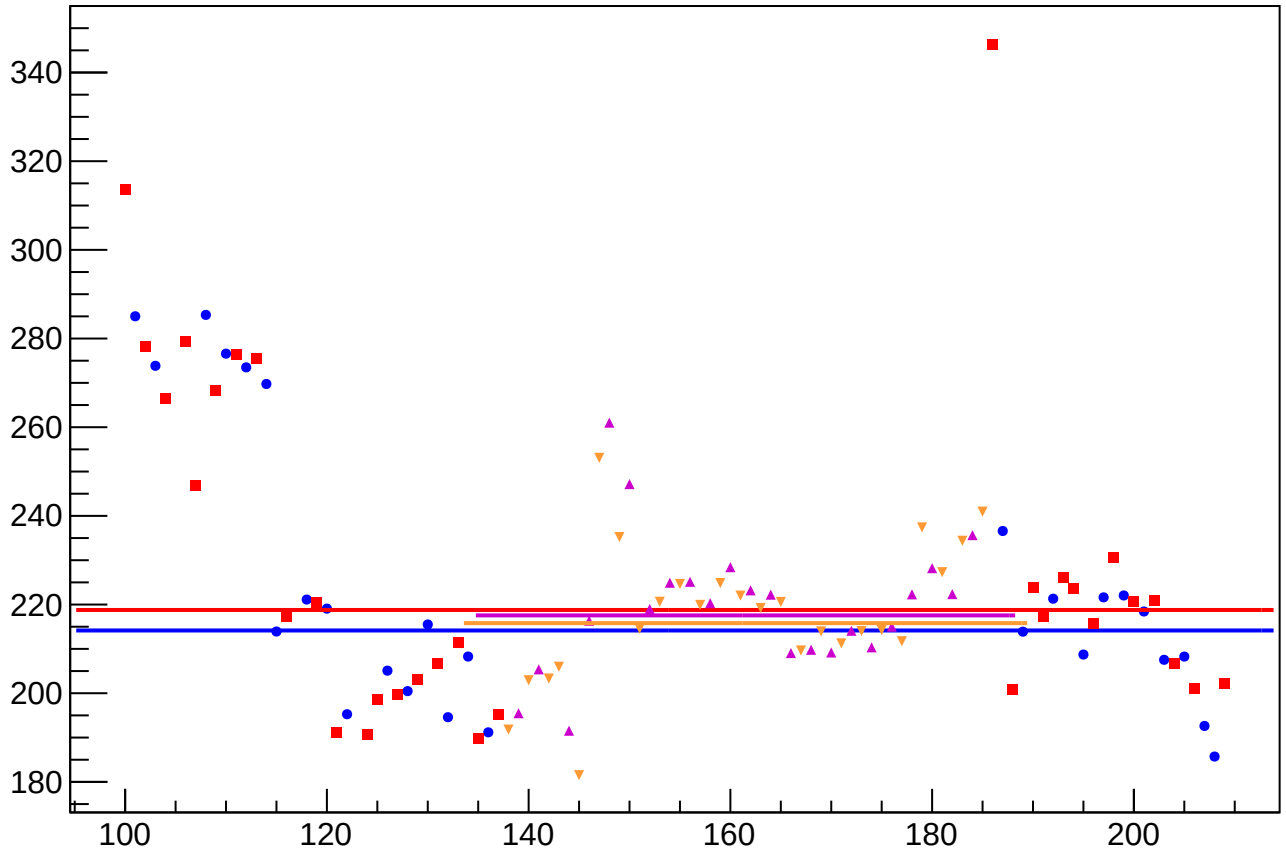
Right Out: -37.637+/-53.103 χ^2/NDF: 34.4/31

Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -125.014+/-36.414 χ^2/NDF: 75.7/51

All: -15.088+/-25.872 χ^2/NDF: 164.2/106

- sign 96.980+/-36.767 χ^2/NDF: 70.1/54



Right In: 214.152+/-0.038 χ^2/NDF: 409026.4/26

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

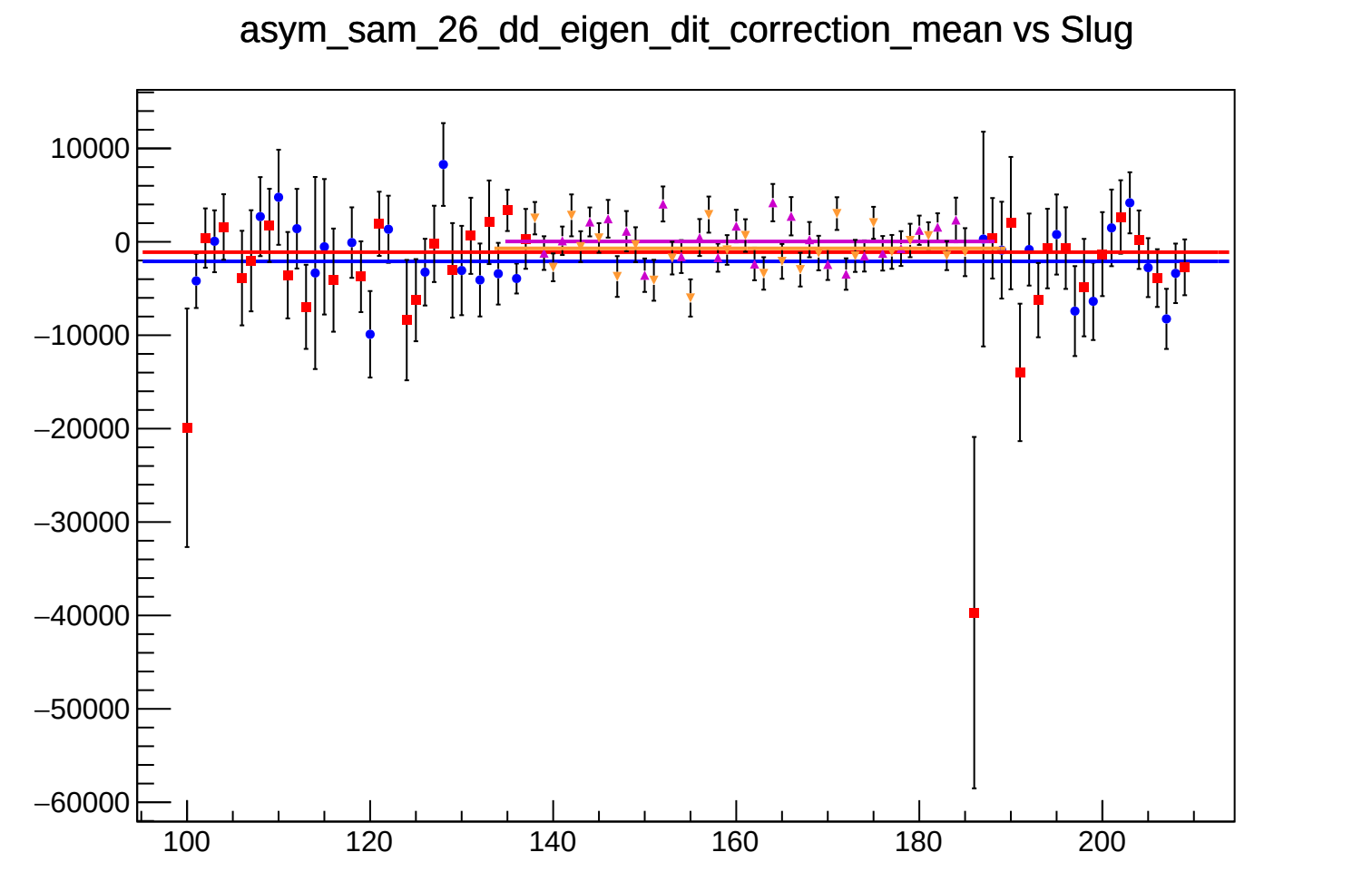
Right Out: 218.777+/-0.038 χ^2/NDF: 499065.7/31

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 215.060+/-0.026 χ^2/NDF: 598751.9/51

All: 216.585+/-0.018 χ^2/NDF: 1266527.7/106

- sign 218.141+/-0.026 χ^2/NDF: 660686.9/54



Right In: -2092.801+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1106.968+/-719.753 χ^2/NDF: 27.2/31

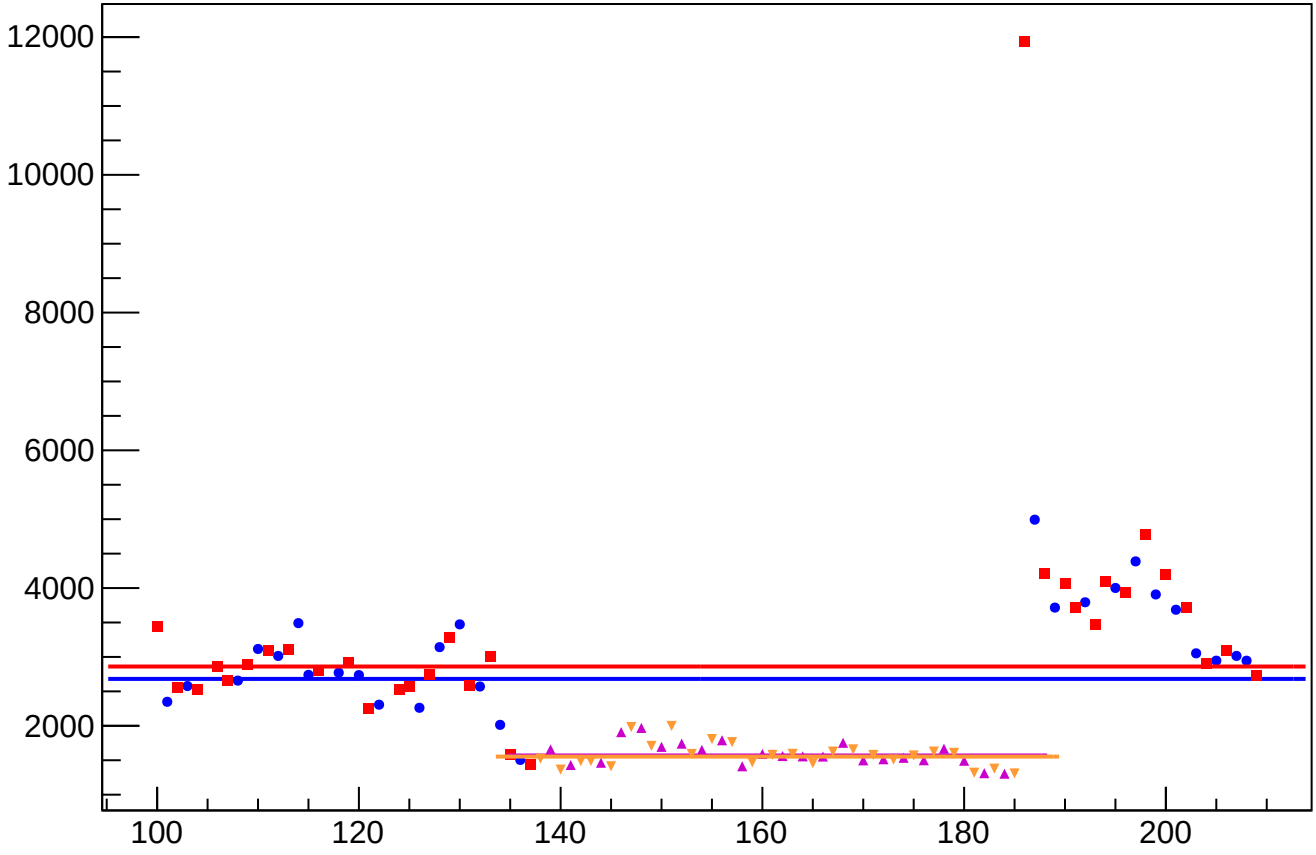
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -986.111+/-317.313 χ^2/NDF: 68.1/51

All: -605.848+/-228.150 χ^2/NDF: 134.7/106

- sign -198.863+/-328.273 χ^2/NDF: 63.5/54

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2681.034+/-0.498 χ^2/NDF: 2491771.2/26

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2860.837+/-0.509 χ^2/NDF: 2864214.1/31

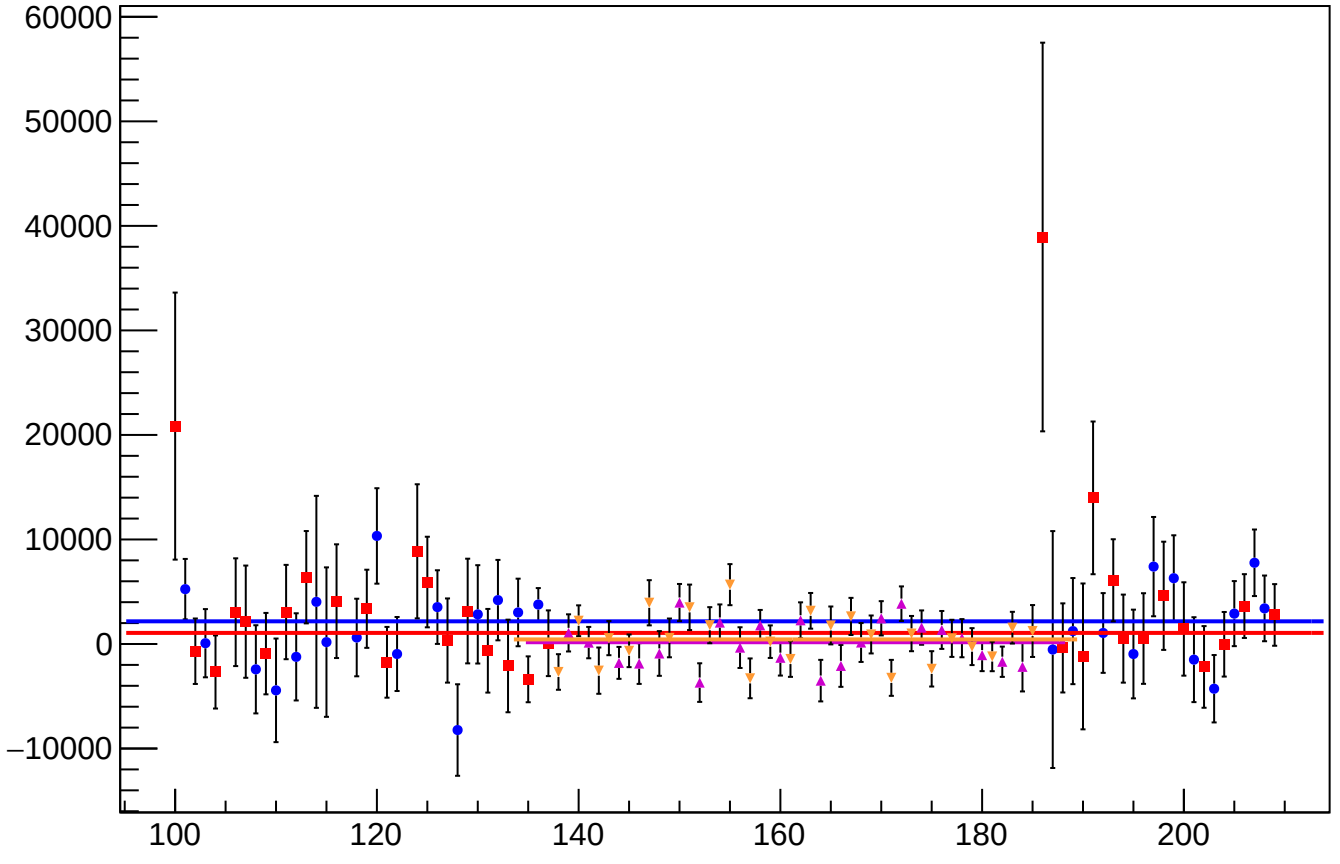
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

\+ sign 1782.149+/-0.224 χ^2/NDF: 6992791.7/51

All: 1809.141+/-0.161 χ^2/NDF: 15344053.9/1

\- sign 1838.030+/-0.232 χ^2/NDF: 8321300.6/54

asym_sam_26_dd_mean vs Slug



Right In: 2169.307+/-693.978 χ^2/NDF: 27.7/26

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1060.824+/-711.676 χ^2/NDF: 26.7/31

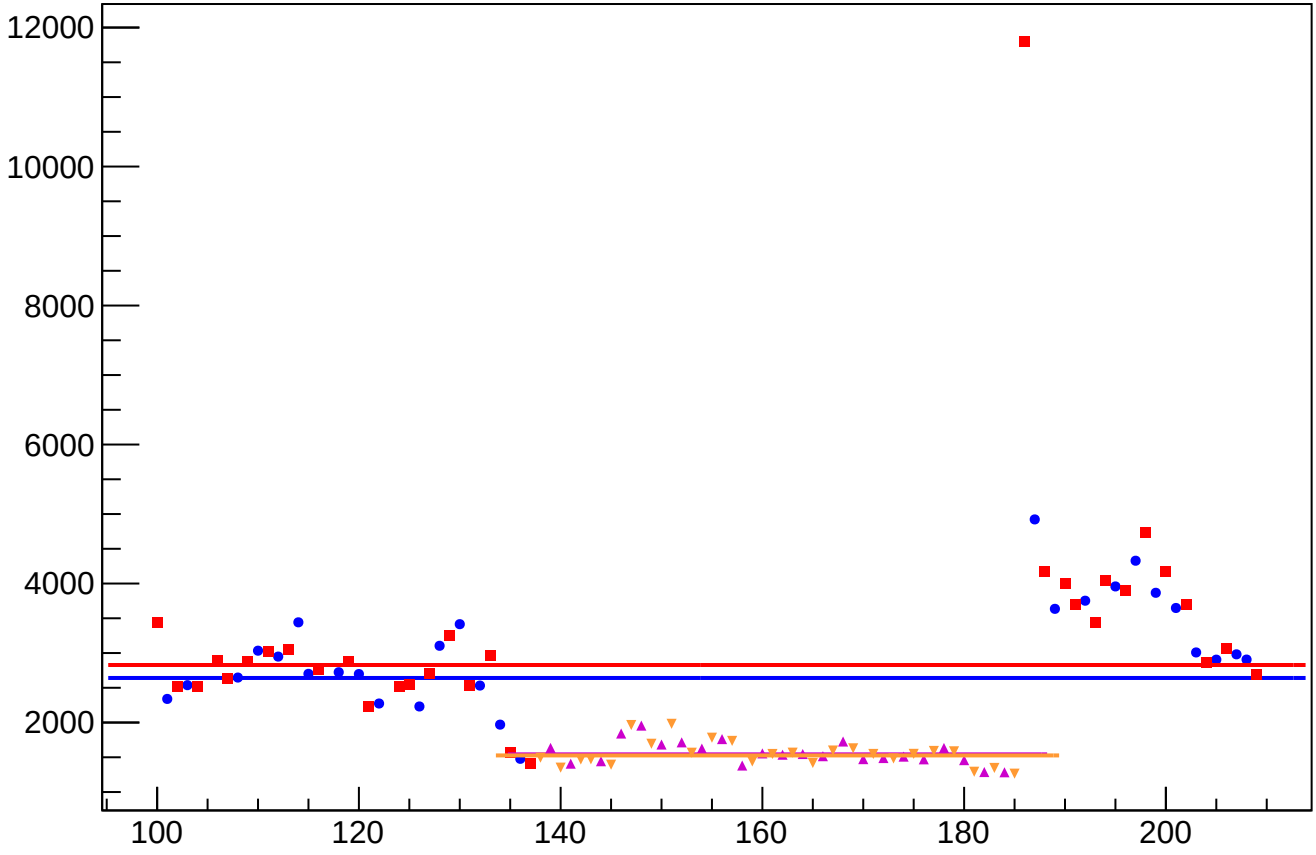
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 788.022+/-312.207 χ^2/NDF: 71.5/51

All: 578.132+/-224.498 χ^2/NDF: 133.4/106

- sign 353.414+/-323.047 χ^2/NDF: 60.9/54

asym_sam_26_dd_rms vs Slug



Right In: 2641.195+/-0.491 χ^2/NDF: 2515662.1/26

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

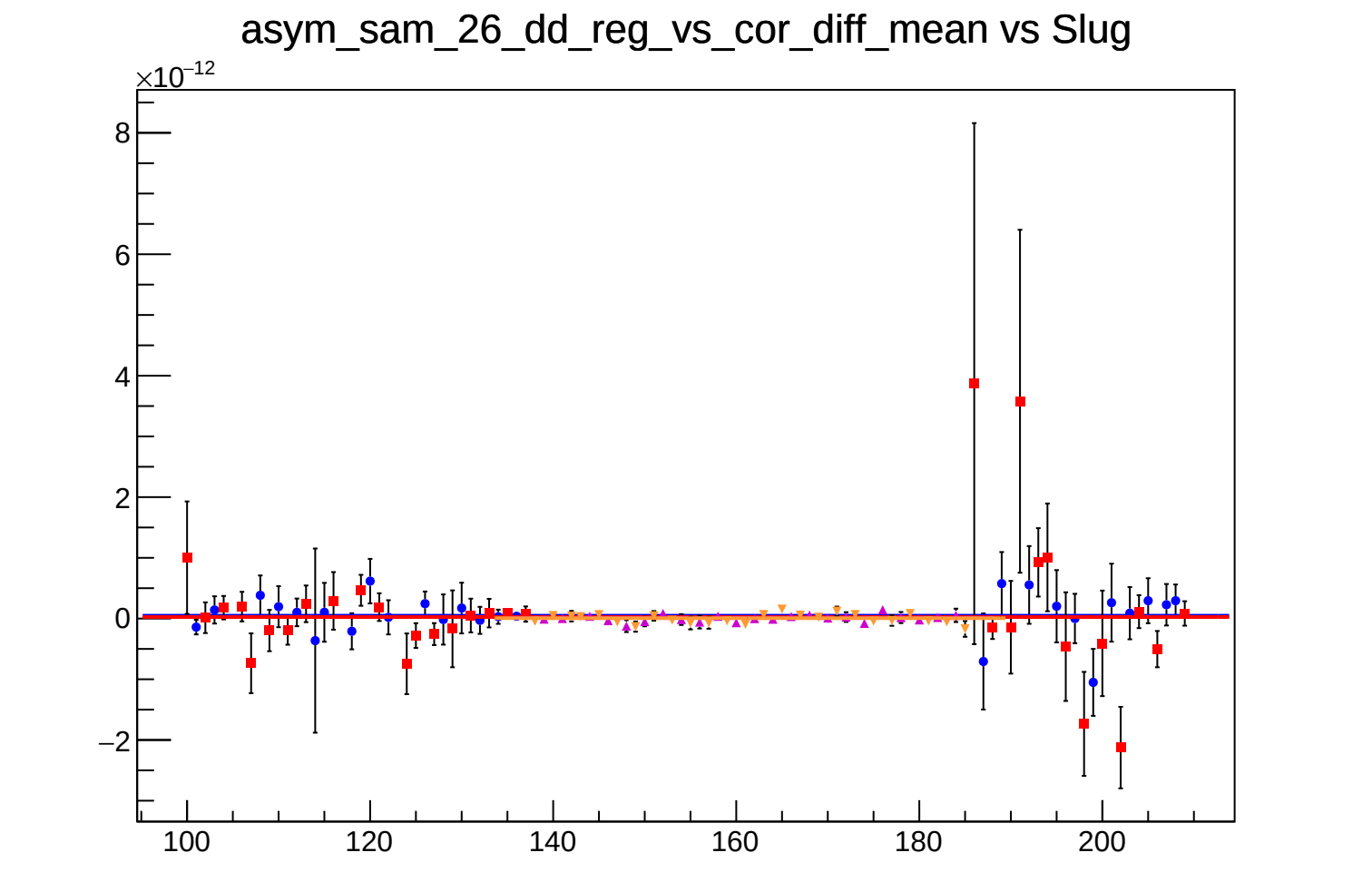
Right Out: 2827.890+/-0.503 χ^2/NDF: 2874037.8/31

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1752.286+/-0.221 χ^2/NDF: 7059124.9/51

All: 1778.788+/-0.159 χ^2/NDF: 15507209.3/1

- sign 1807.162+/-0.228 χ^2/NDF: 8418244.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

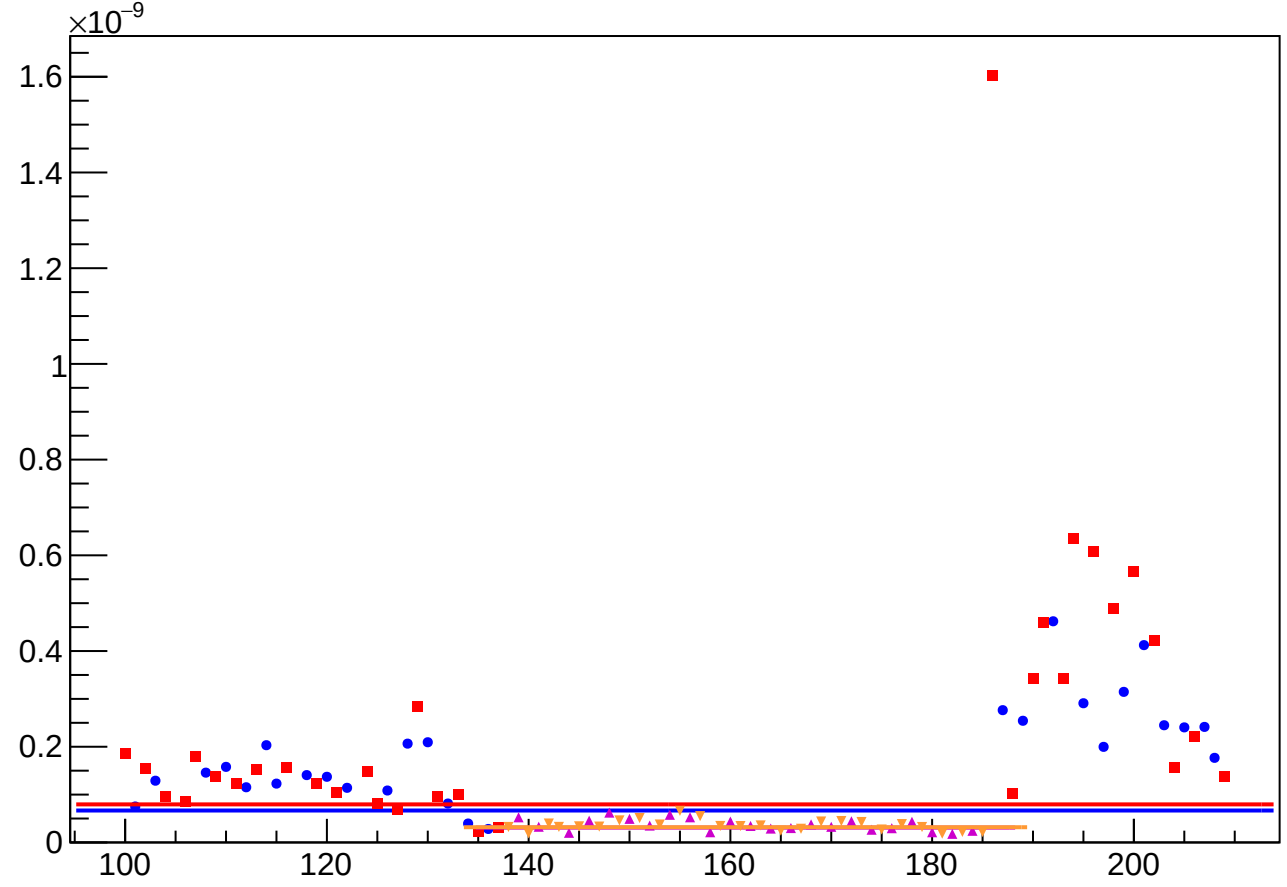
Right Out: 0.000+/-0.000 χ^2/NDF: 43.9/31

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.8/51

All: 0.000+/-0.000 χ^2/NDF: 109.8/106

- sign 0.000+/-0.000 χ^2/NDF: 61.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 7152168.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7608803.6/31

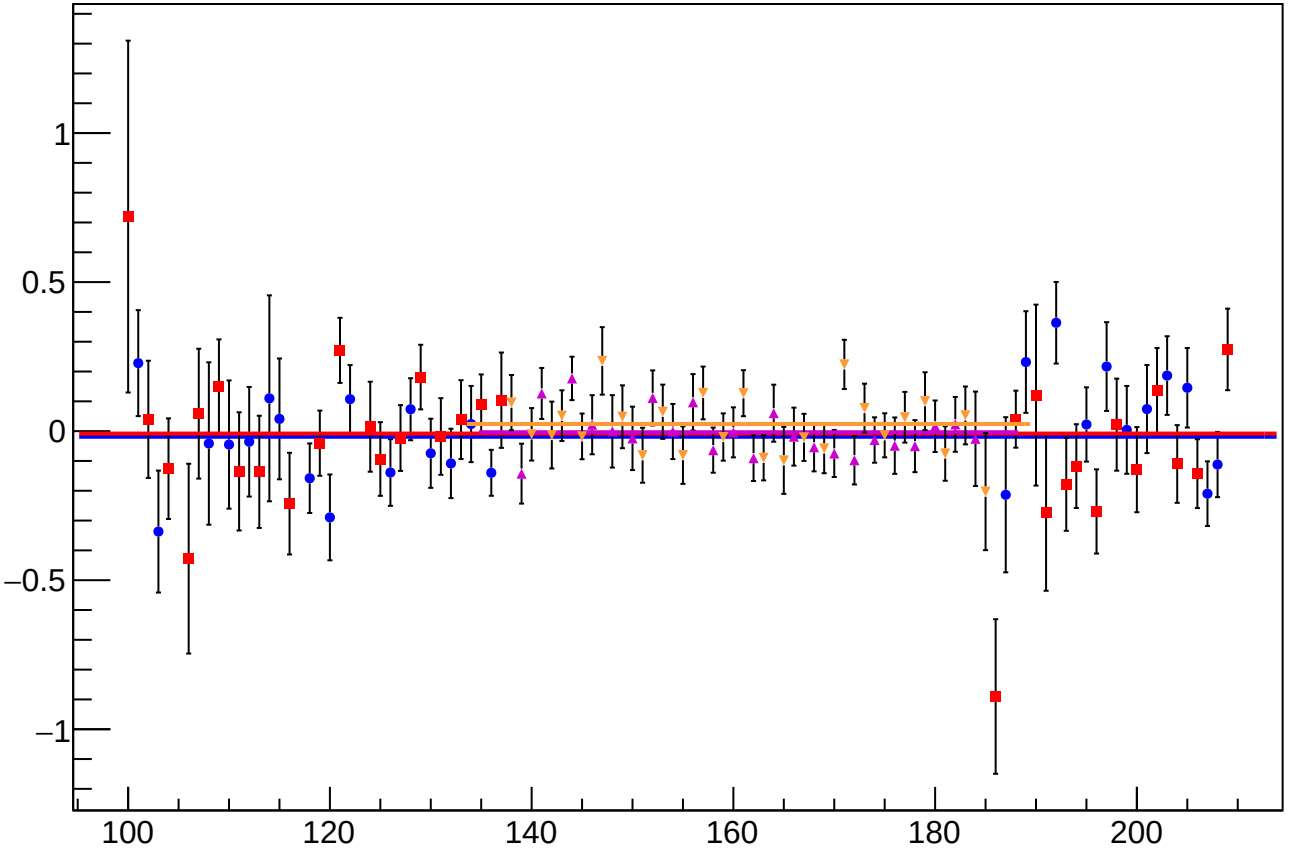
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10156285.1/51

All: 0.000+/-0.000 χ^2/NDF: 22027069.9/106

- sign 0.000+/-0.000 χ^2/NDF: 11870508.6/54

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.008+/-0.025 χ^2/NDF: 45.6/31

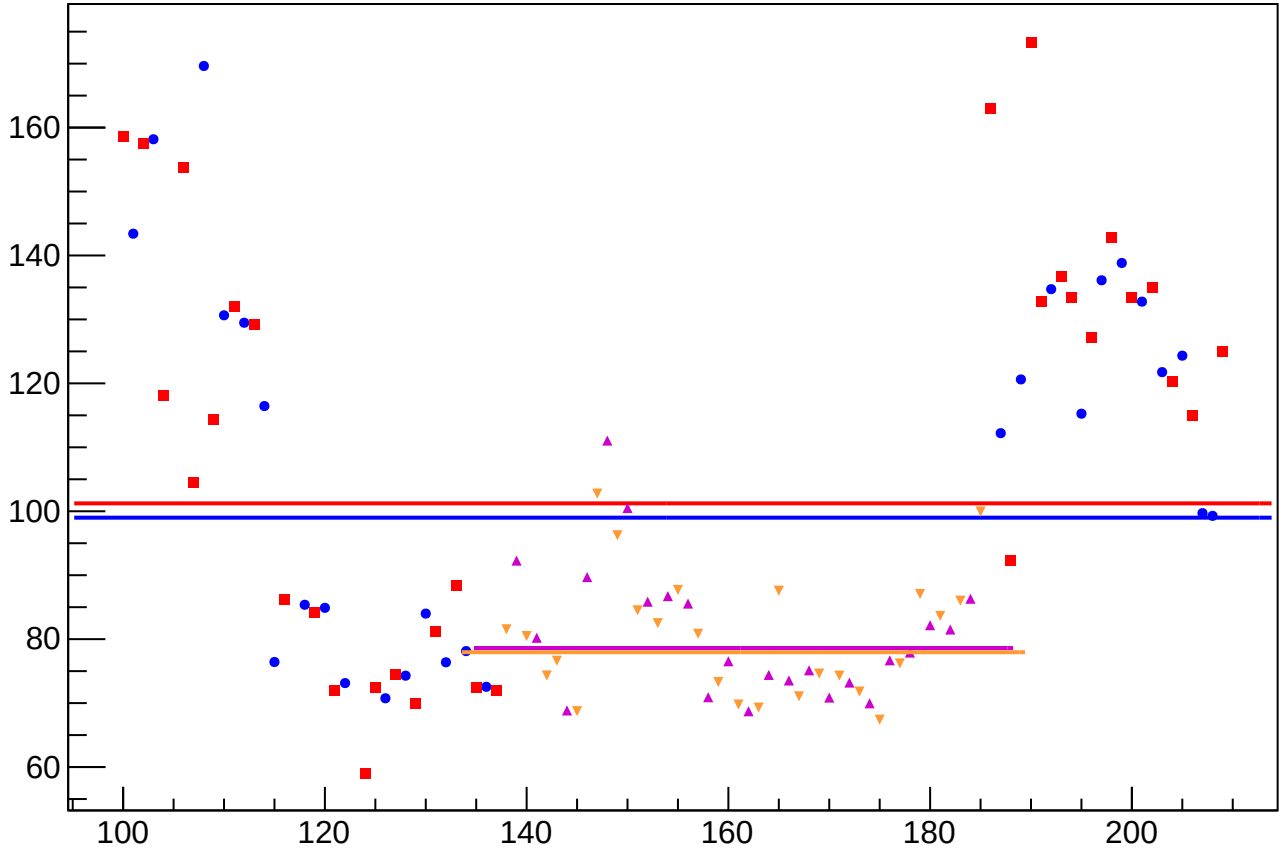
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.003+/-0.011 χ^2/NDF: 129.8/106

- sign -0.005+/-0.015 χ^2/NDF: 64.5/54

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

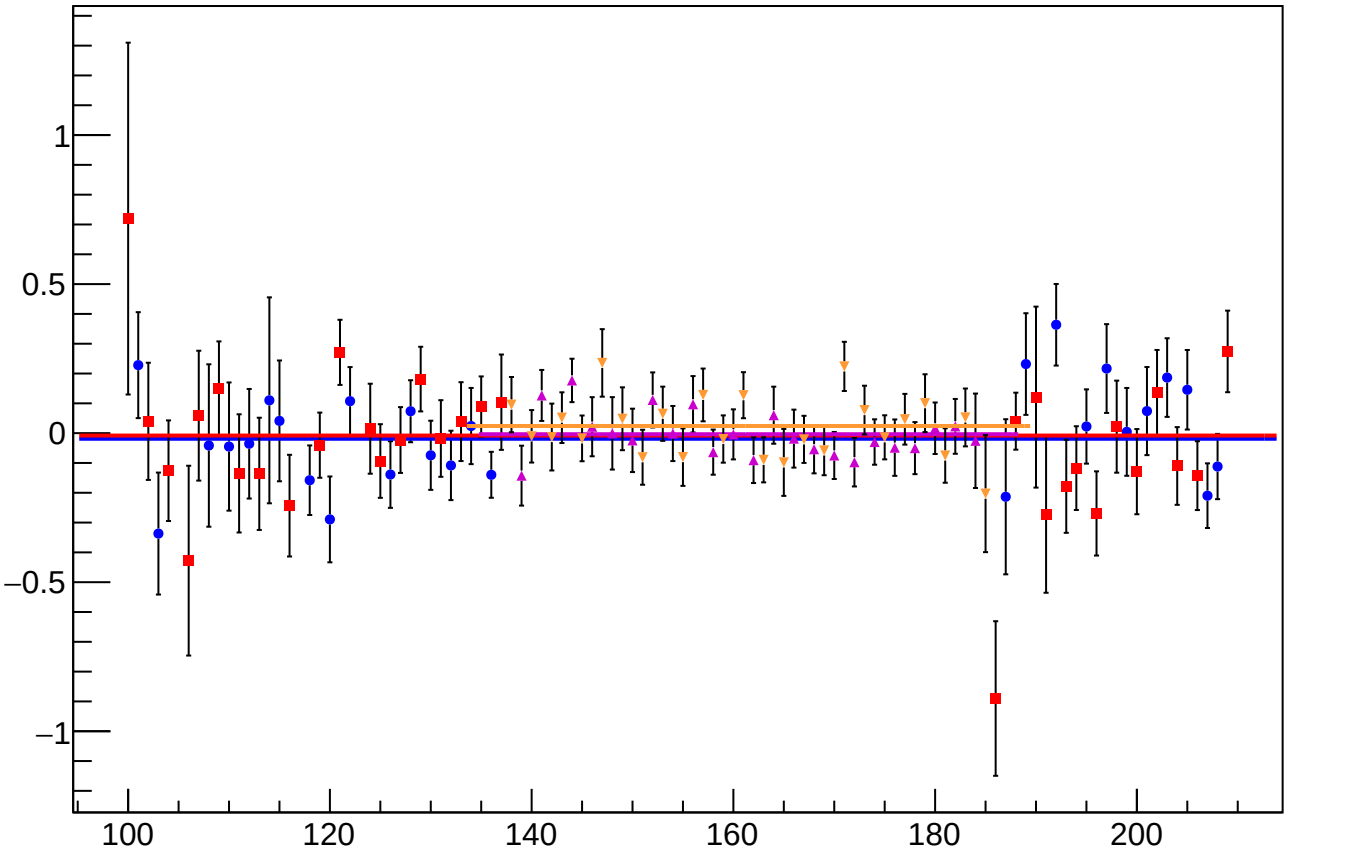
Right Out: 101.235+/-0.018 χ^2/NDF: 2451453.5/31

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.726+/-0.010 χ^2/NDF: 3389746.7/51

All: 85.572+/-0.007 χ^2/NDF: 7381300.1/106

- sign 86.453+/-0.011 χ^2/NDF: 3978047.9/54



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

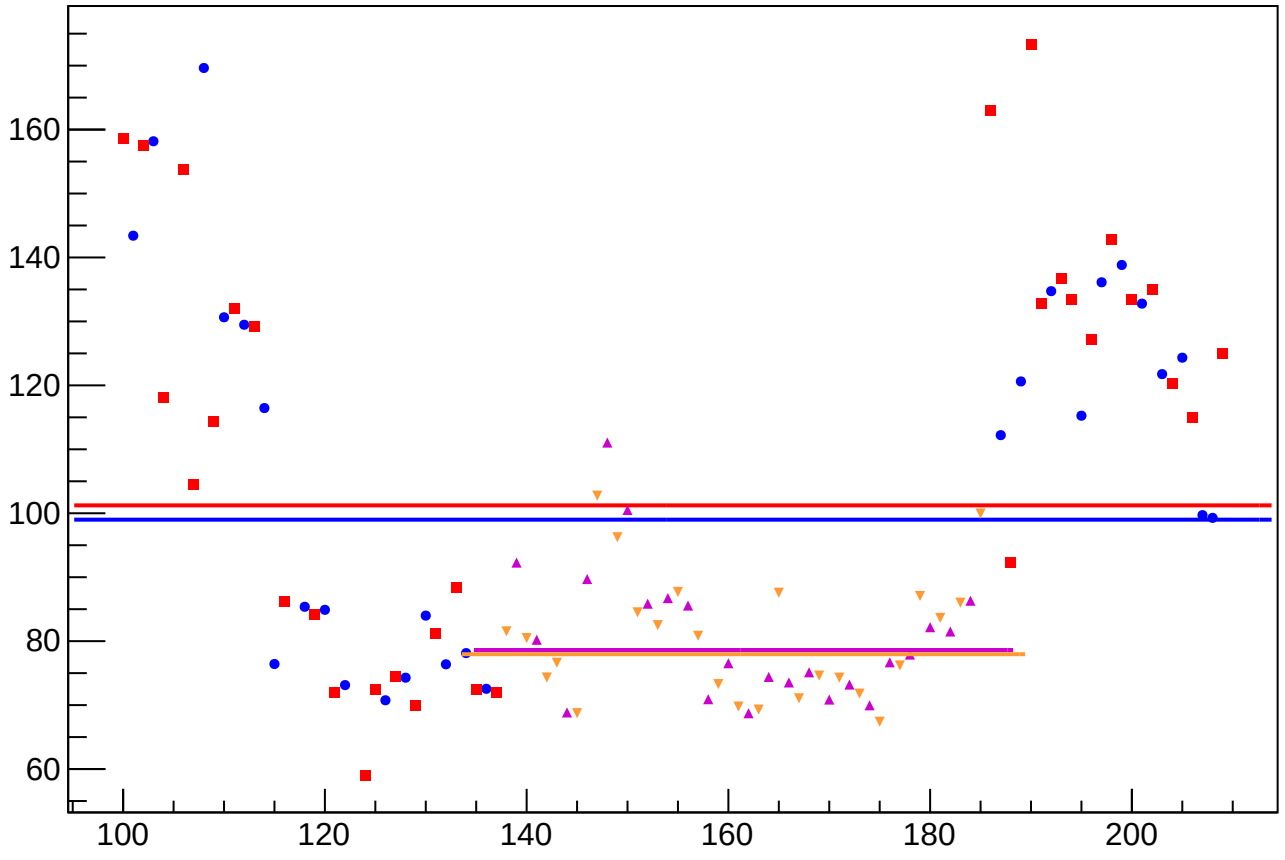
Right Out: -0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.003+/-0.011 χ^2/NDF: 129.8/106

- sign -0.005+/-0.015 χ^2/NDF: 64.5/54



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

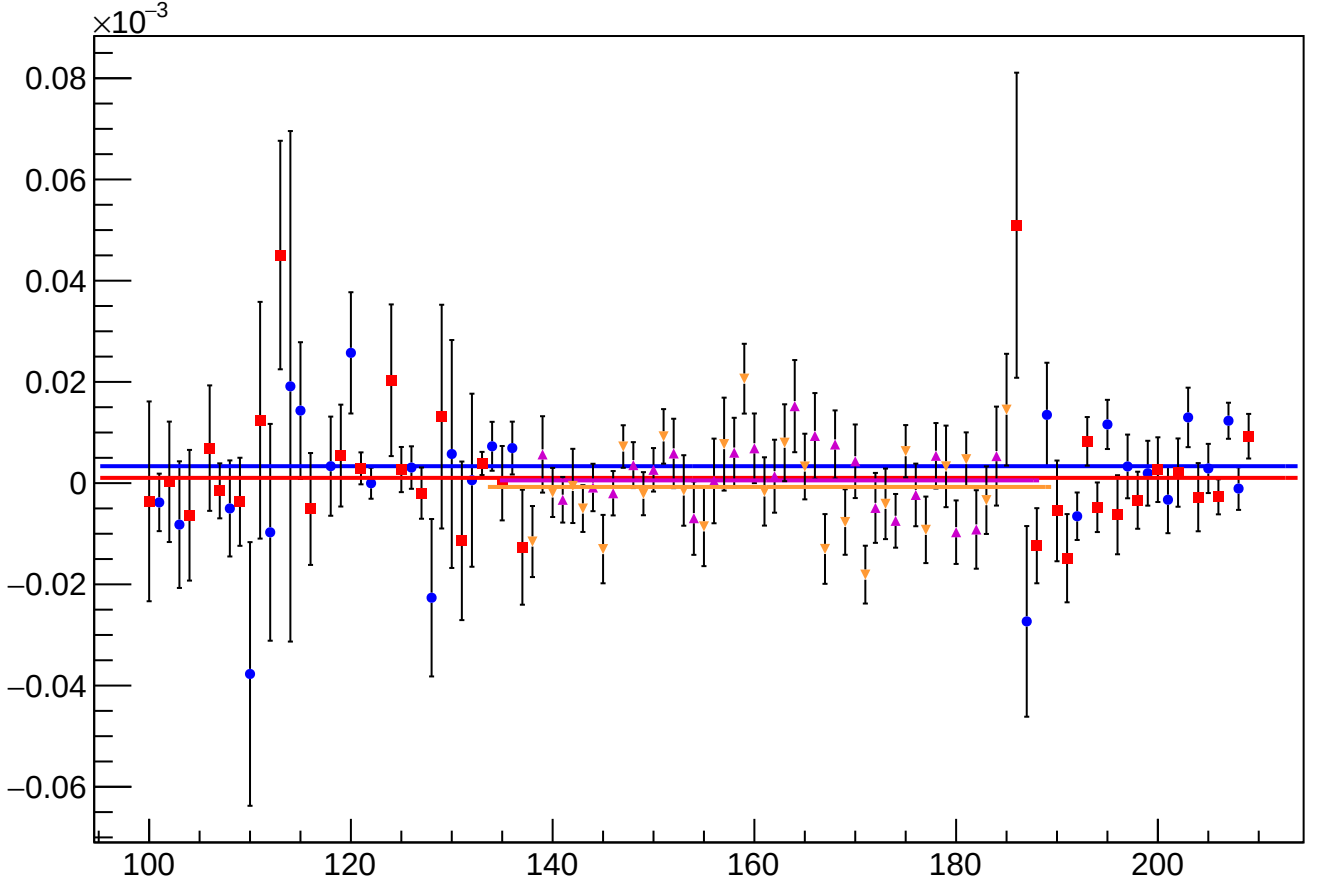
Right Out: 101.235+/-0.018 χ^2/NDF: 2451453.5/31

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.726+/-0.010 χ^2/NDF: 3389746.7/51

All: 85.572+/-0.007 χ^2/NDF: 7381300.1/106

- sign 86.453+/-0.011 χ^2/NDF: 3978047.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/31

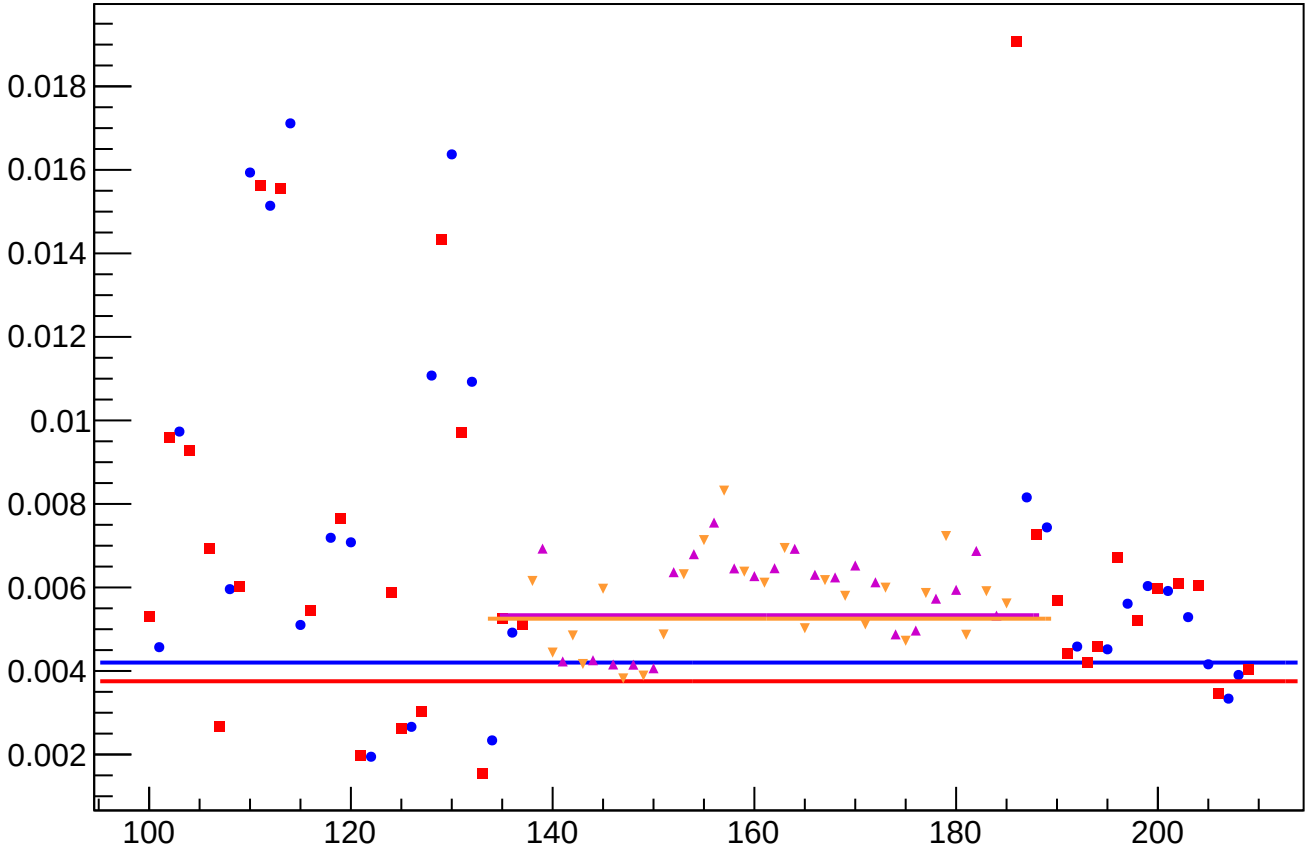
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.0/51

All: 0.000+/-0.000 χ^2/NDF: 142.0/106

- sign 0.000+/-0.000 χ^2/NDF: 50.8/54

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5711209.5/26

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

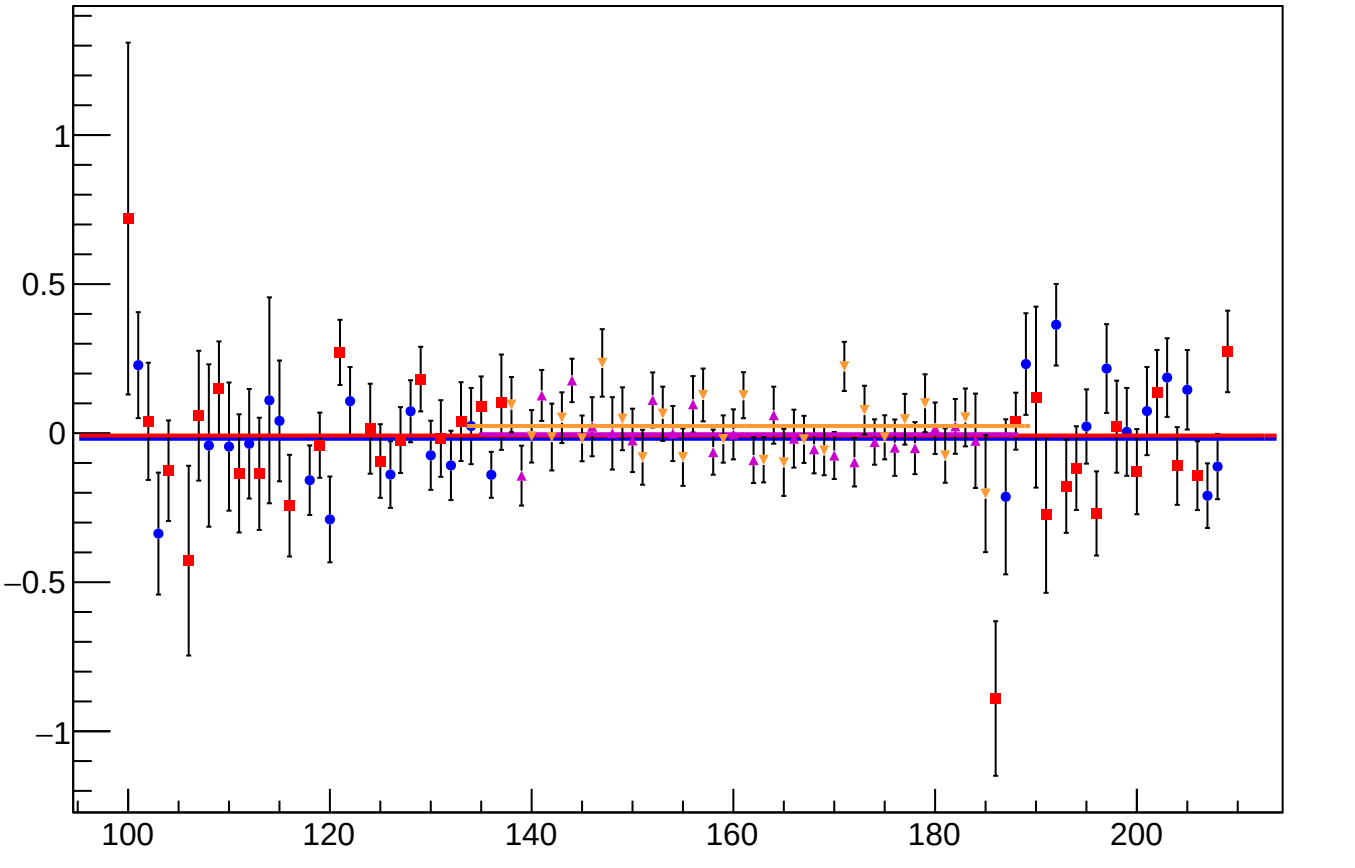
Right Out: 0.004+/-0.000 χ^2/NDF: 8468705.7/31

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7980645.5/51

All: 0.005+/-0.000 χ^2/NDF: 19905029.7/106

- sign 0.004+/-0.000 χ^2/NDF: 11782916.3/54



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

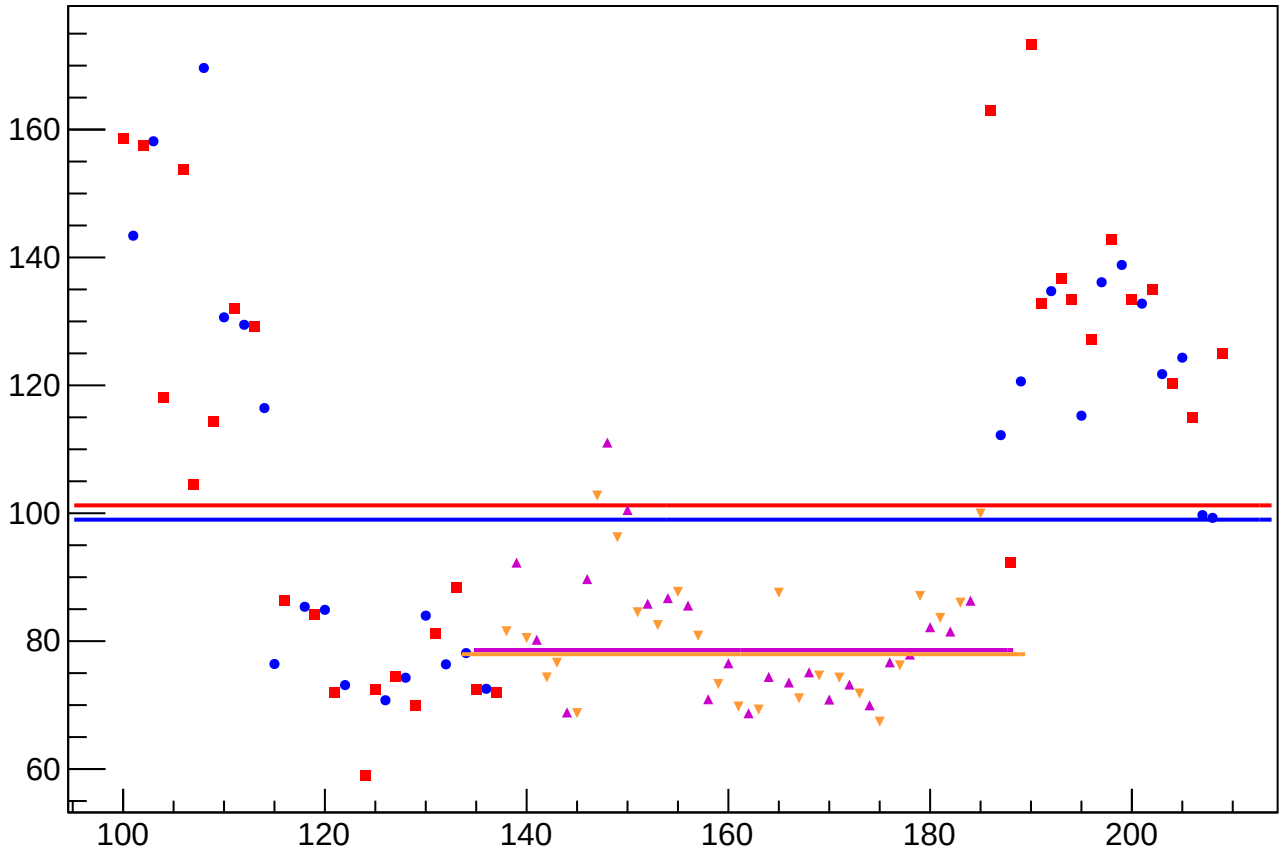
Right Out: -0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.003+/-0.011 χ^2/NDF: 129.8/106

- sign -0.005+/-0.015 χ^2/NDF: 64.5/54



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

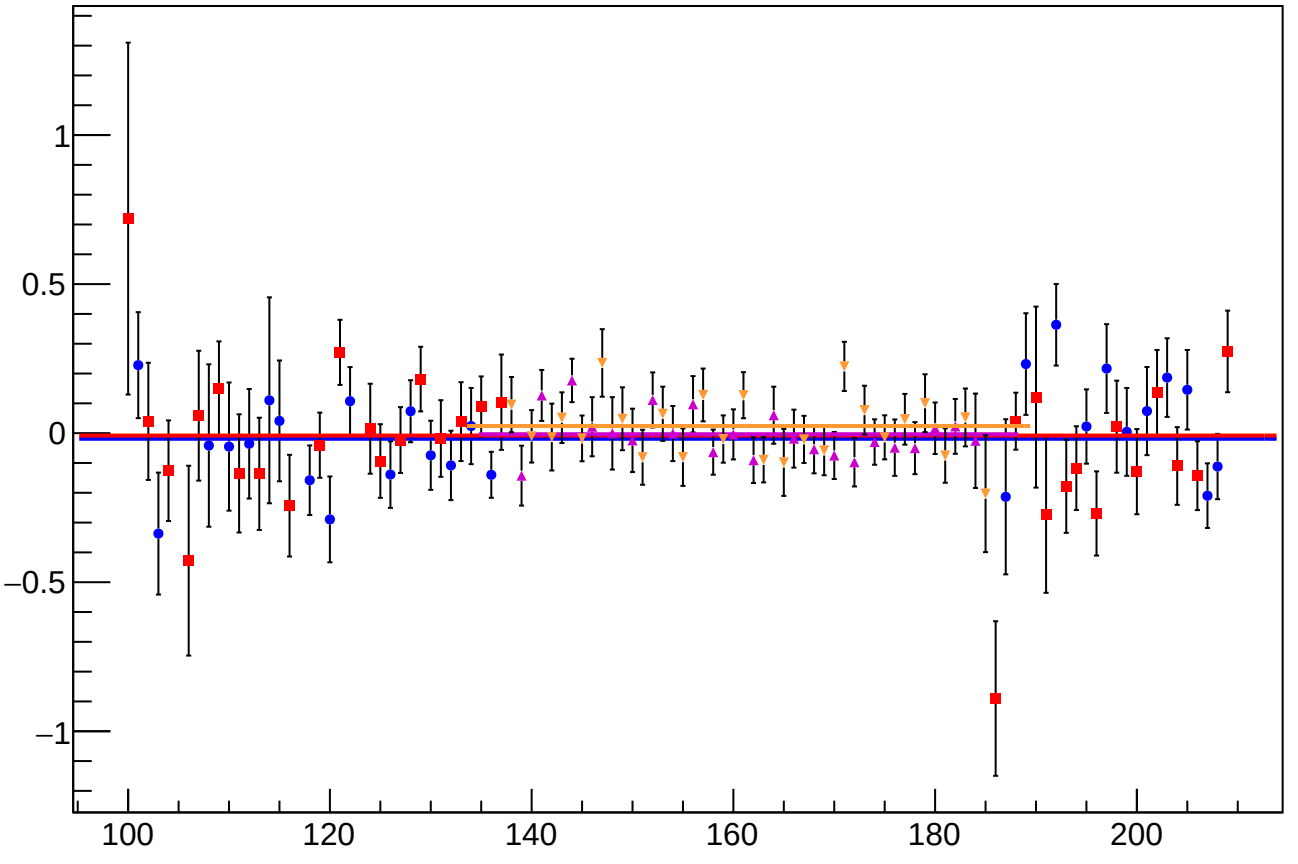
Right Out: 101.233+/-0.018 χ^2/NDF: 2451565.1/31

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 84.725+/-0.010 χ^2/NDF: 3389791.3/51

All: 85.571+/-0.007 χ^2/NDF: 7381416.0/106

\- sign 86.452+/-0.011 χ^2/NDF: 3978122.1/54



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

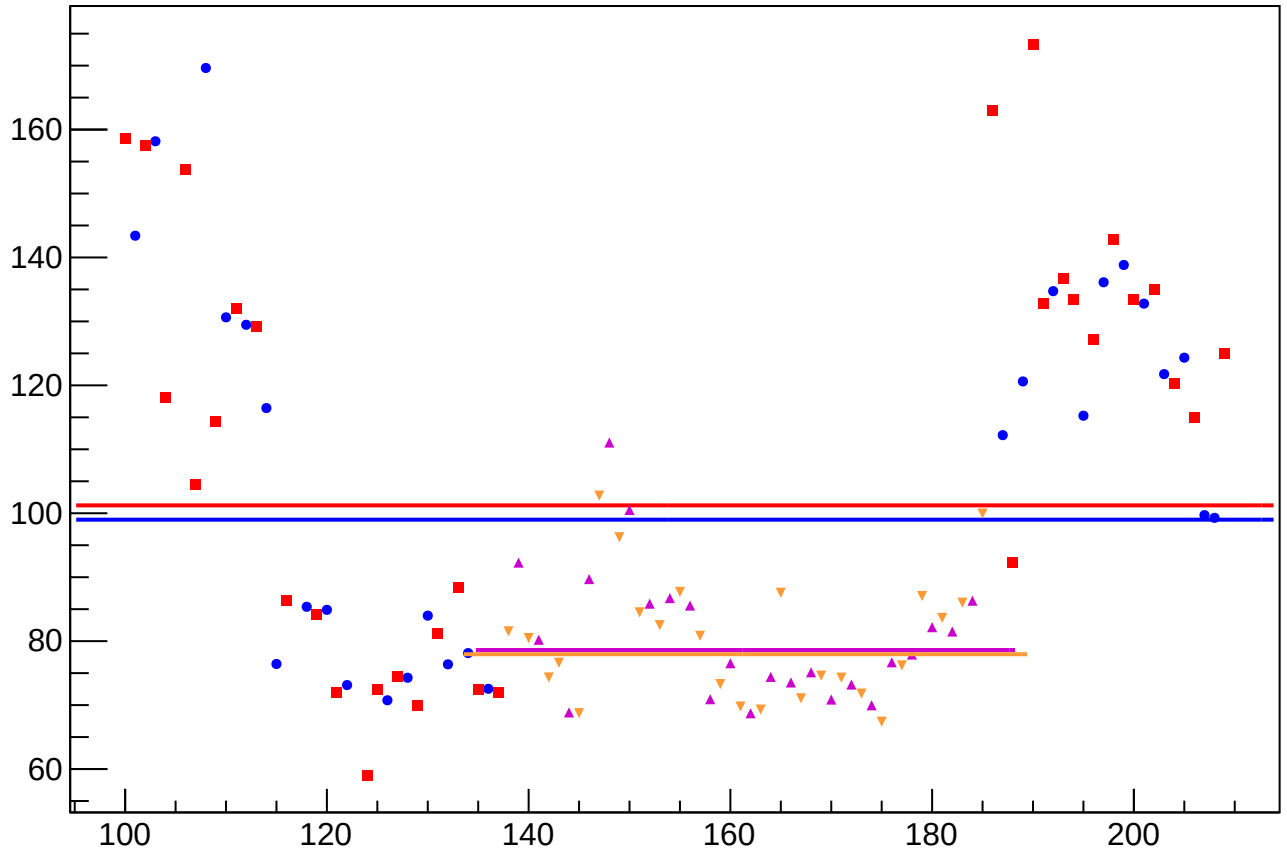
Right Out: -0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.010+/-0.015 χ^2/NDF: 64.8/51

All: 0.003+/-0.011 χ^2/NDF: 129.8/106

- sign -0.005+/-0.015 χ^2/NDF: 64.5/54



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

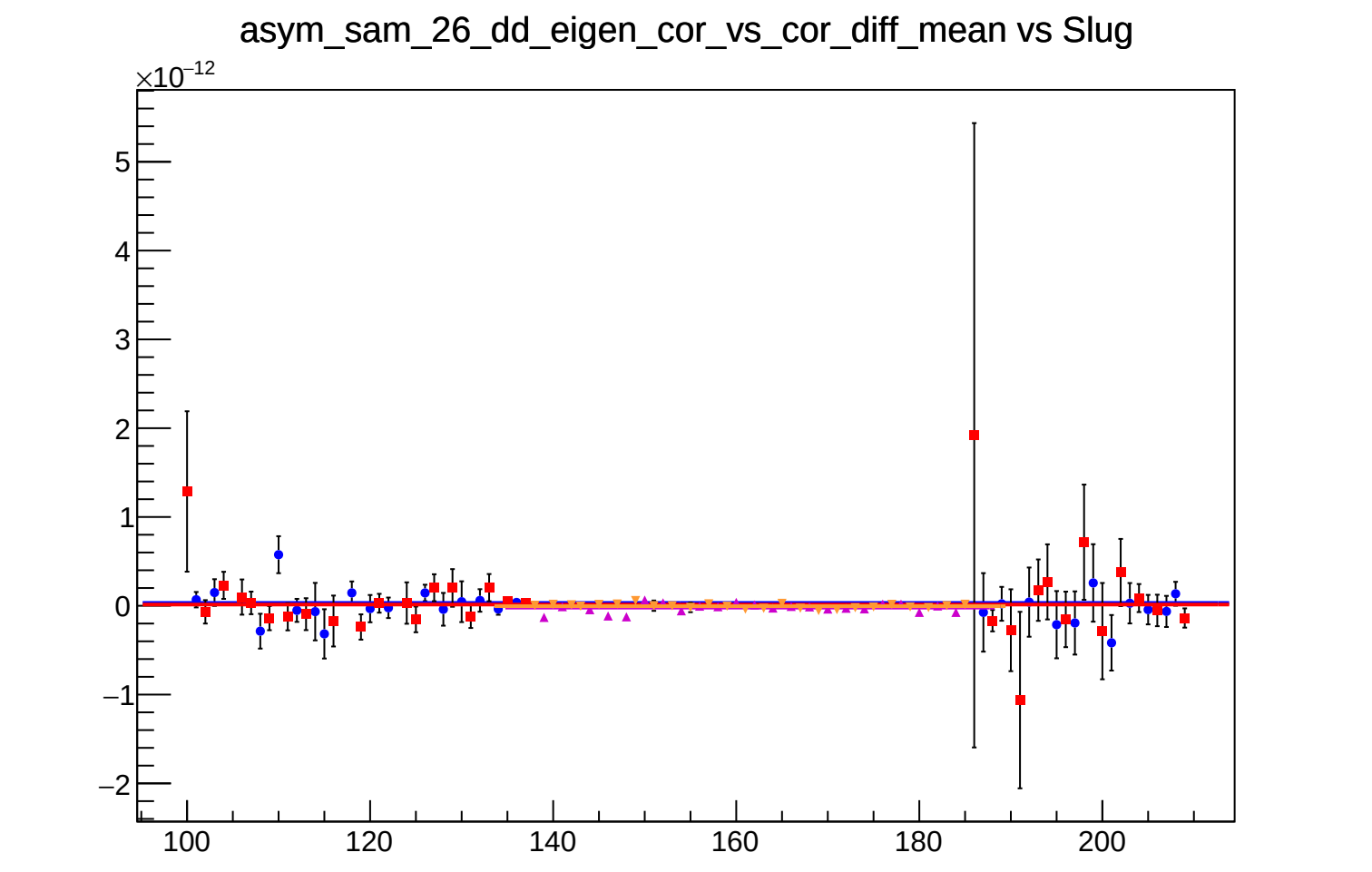
Right Out: 101.233+/-0.018 χ^2/NDF: 2451565.1/31

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 84.725+/-0.010 χ^2/NDF: 3389791.3/51

All: 85.571+/-0.007 χ^2/NDF: 7381416.0/106

- sign 86.452+/-0.011 χ^2/NDF: 3978122.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

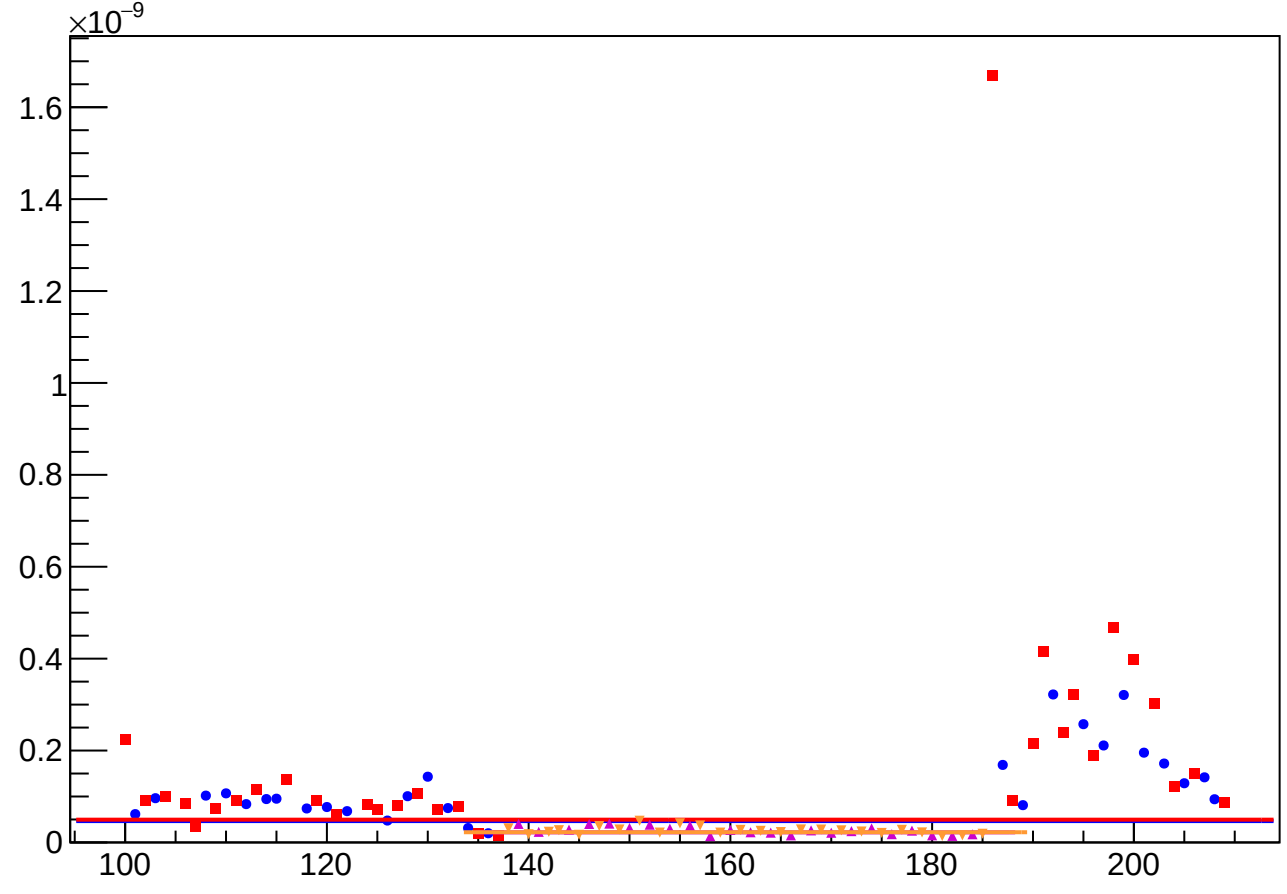
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/31

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.9/51

All: -0.000+/-0.000 χ^2/NDF: 111.2/106

- sign -0.000+/-0.000 χ^2/NDF: 70.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 9259951.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11485876.5/31

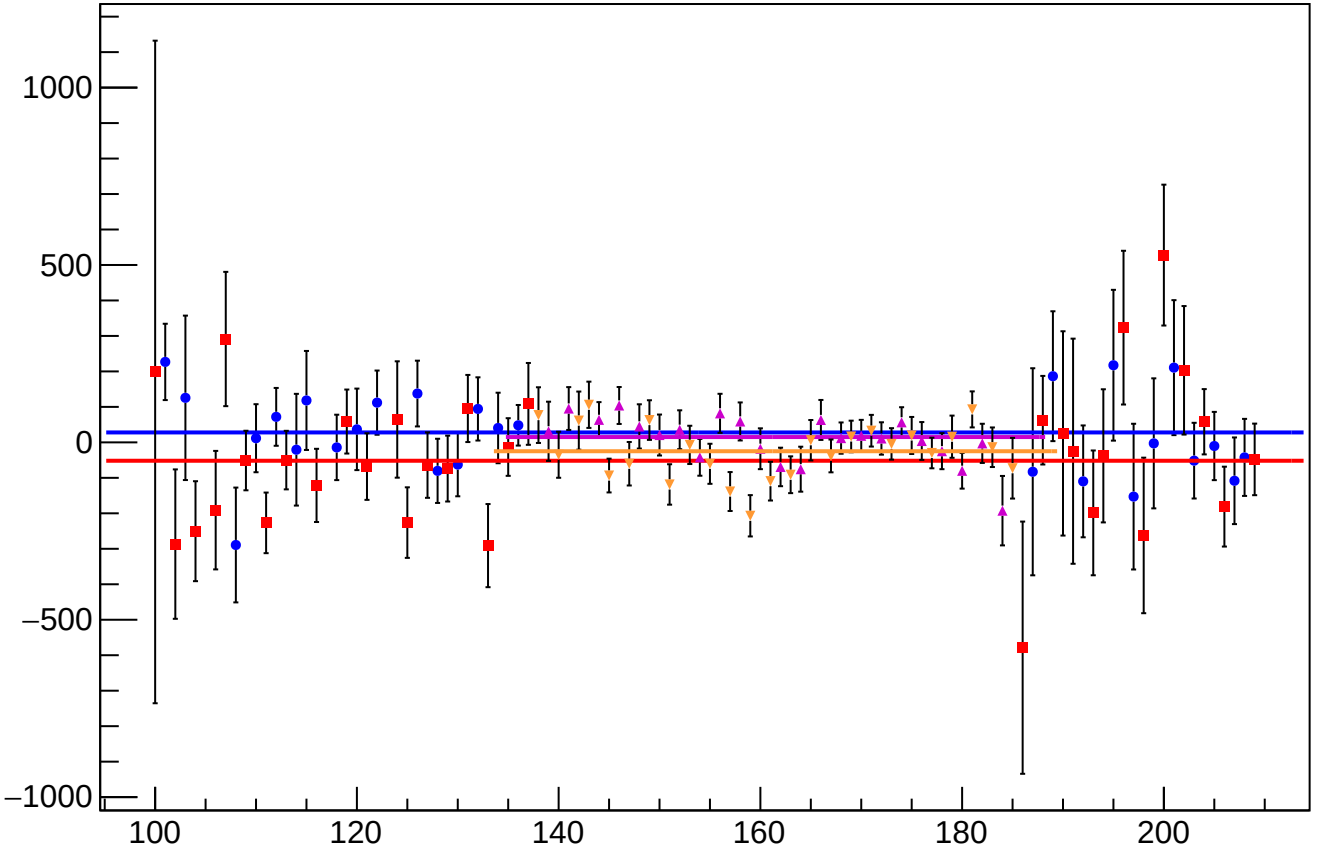
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14308640.6/51

All: 0.000+/-0.000 χ^2/NDF: 31791553.1/106

- sign 0.000+/-0.000 χ^2/NDF: 17482907.3/54

reg_asym_sam_37_dd_mean vs Slug



Right In: 27.977+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.817+/-21.199 χ^2/NDF: 46.9/31

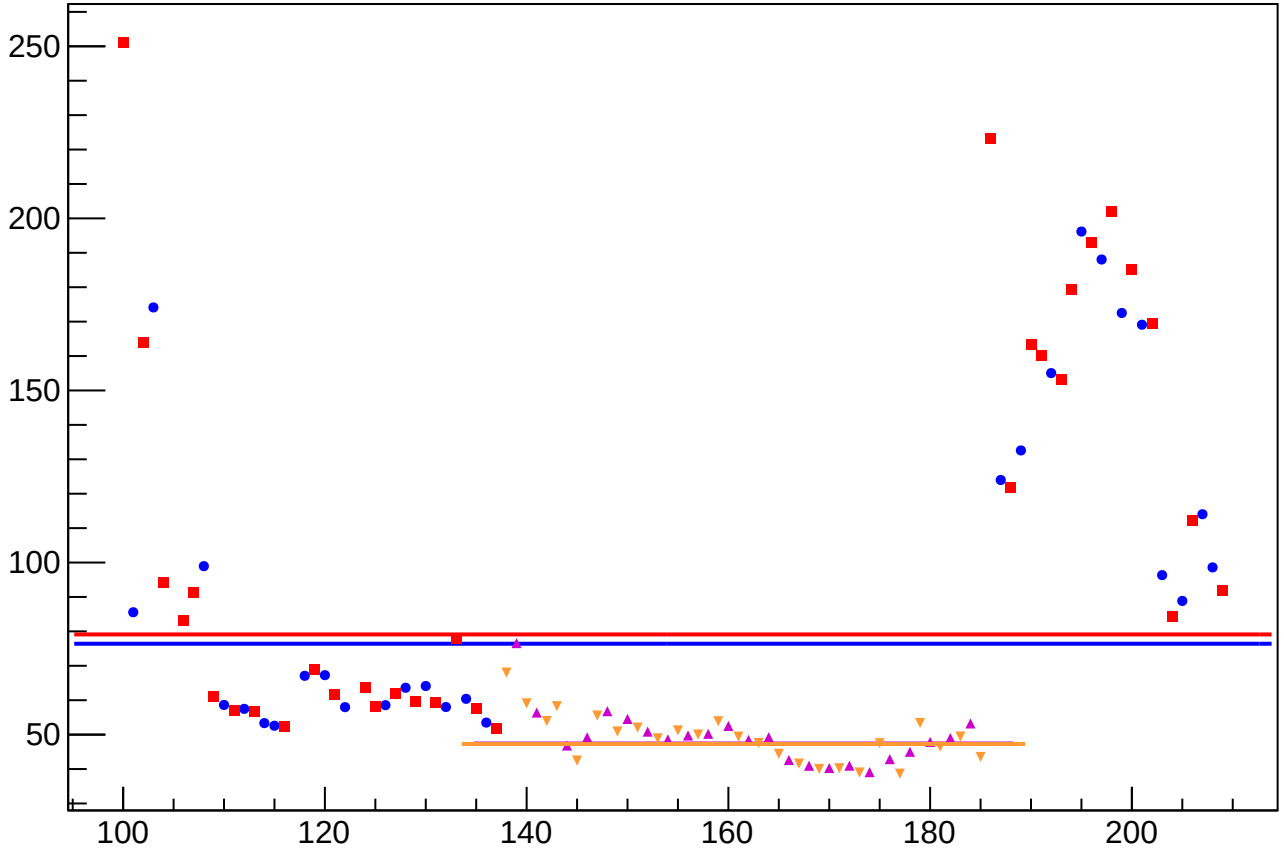
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.877+/-9.678 χ^2/NDF: 68.5/51

All: -6.922+/-6.926 χ^2/NDF: 148.9/106

- sign 0.378+/-9.915 χ^2/NDF: 79.4/54

reg_asym_sam_37_dd_rms vs Slug



Right In: 76.407+/-0.015 χ^2/NDF: 4779407.5/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 79.112+/-0.015 χ^2/NDF: 5878335.0/31

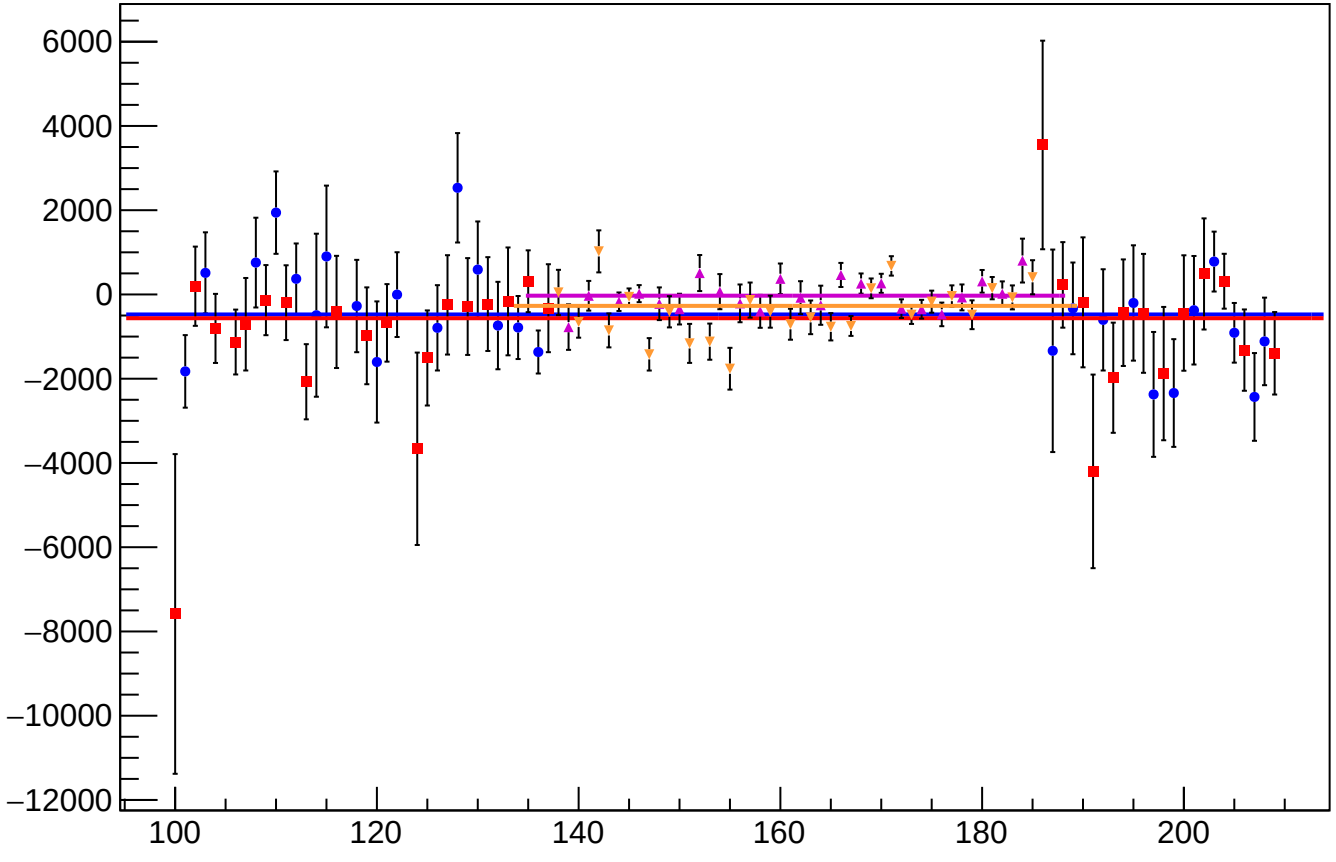
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.393+/-0.007 χ^2/NDF: 8498593.6/51

All: 53.863+/-0.005 χ^2/NDF: 18533244.0/106

- sign 54.357+/-0.007 χ^2/NDF: 10024968.2/54

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -475.030+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -564.440+/-189.811 χ^2/NDF: 24.1/31

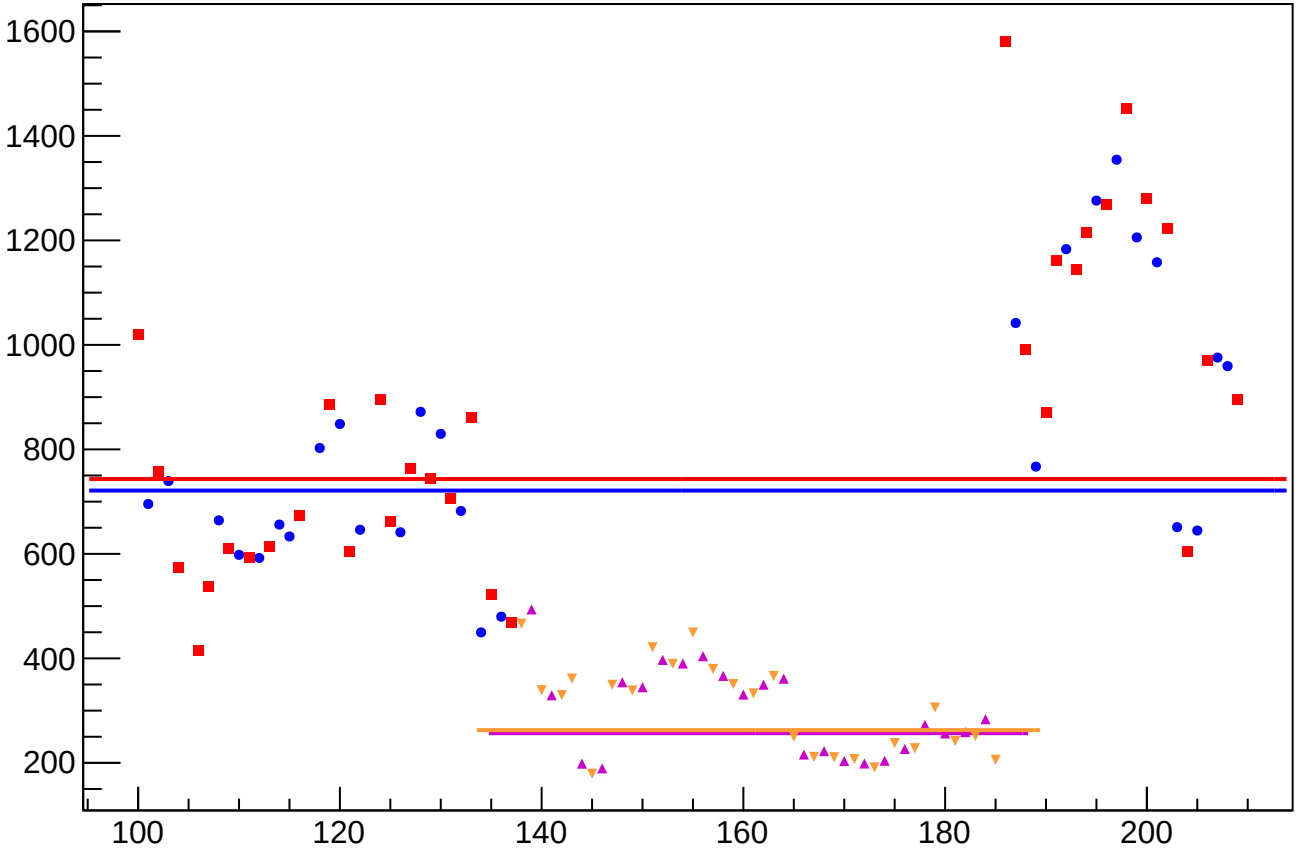
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -290.612+/-59.278 χ^2/NDF: 109.4/51

All: -186.621+/-41.998 χ^2/NDF: 171.3/106

- sign -81.814+/-59.511 χ^2/NDF: 55.7/54

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 721.161+/-0.135 χ^2/NDF: 2716463.3/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 743.269+/-0.134 χ^2/NDF: 3515618.8/31

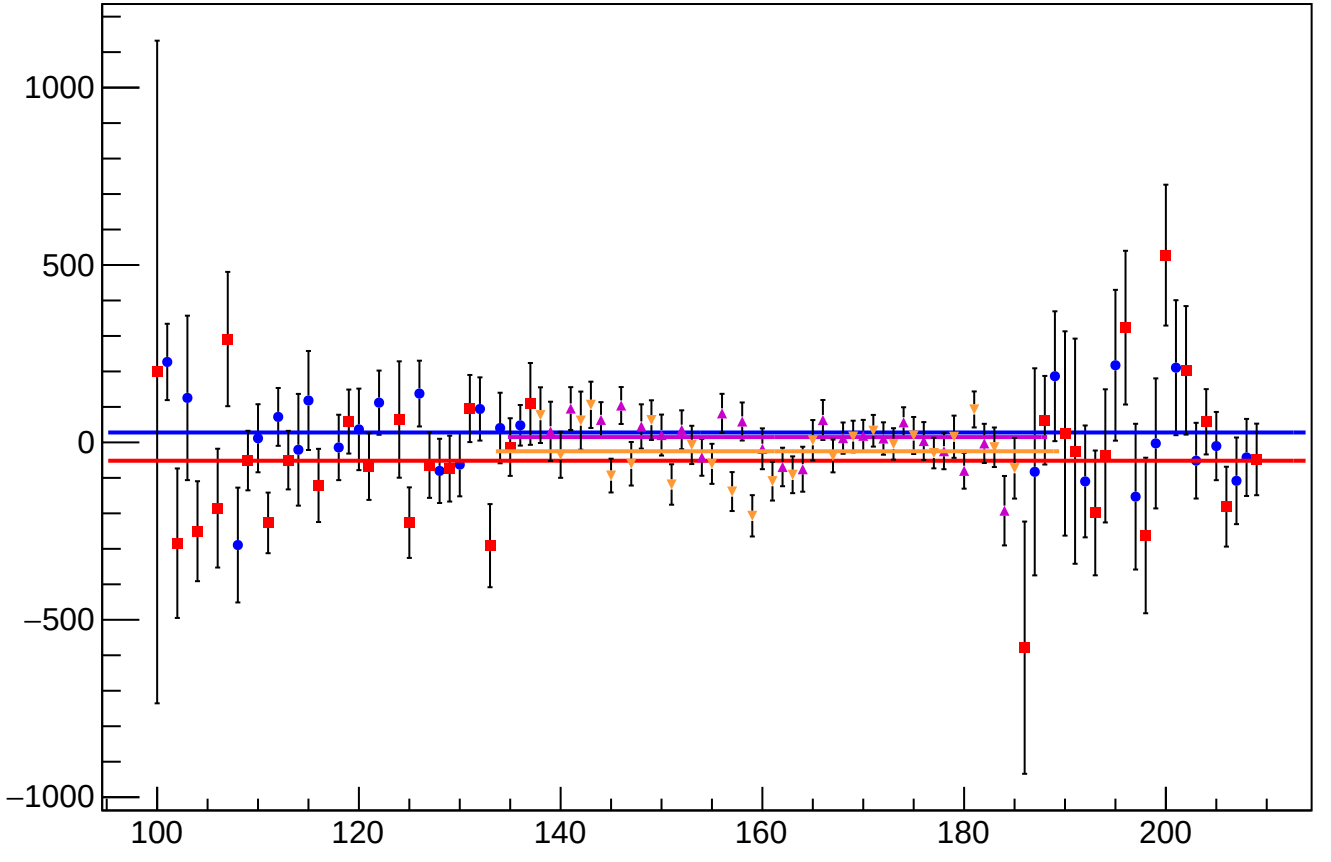
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 306.685+/-0.042 χ^2/NDF: 15990997.0/51

All: 305.675+/-0.030 χ^2/NDF: 33990569.3/10

- sign 304.657+/-0.042 χ^2/NDF: 17998406.6/54

cor_asym_sam_37_dd_mean vs Slug



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.679+/-21.200 χ^2/NDF: 46.8/31

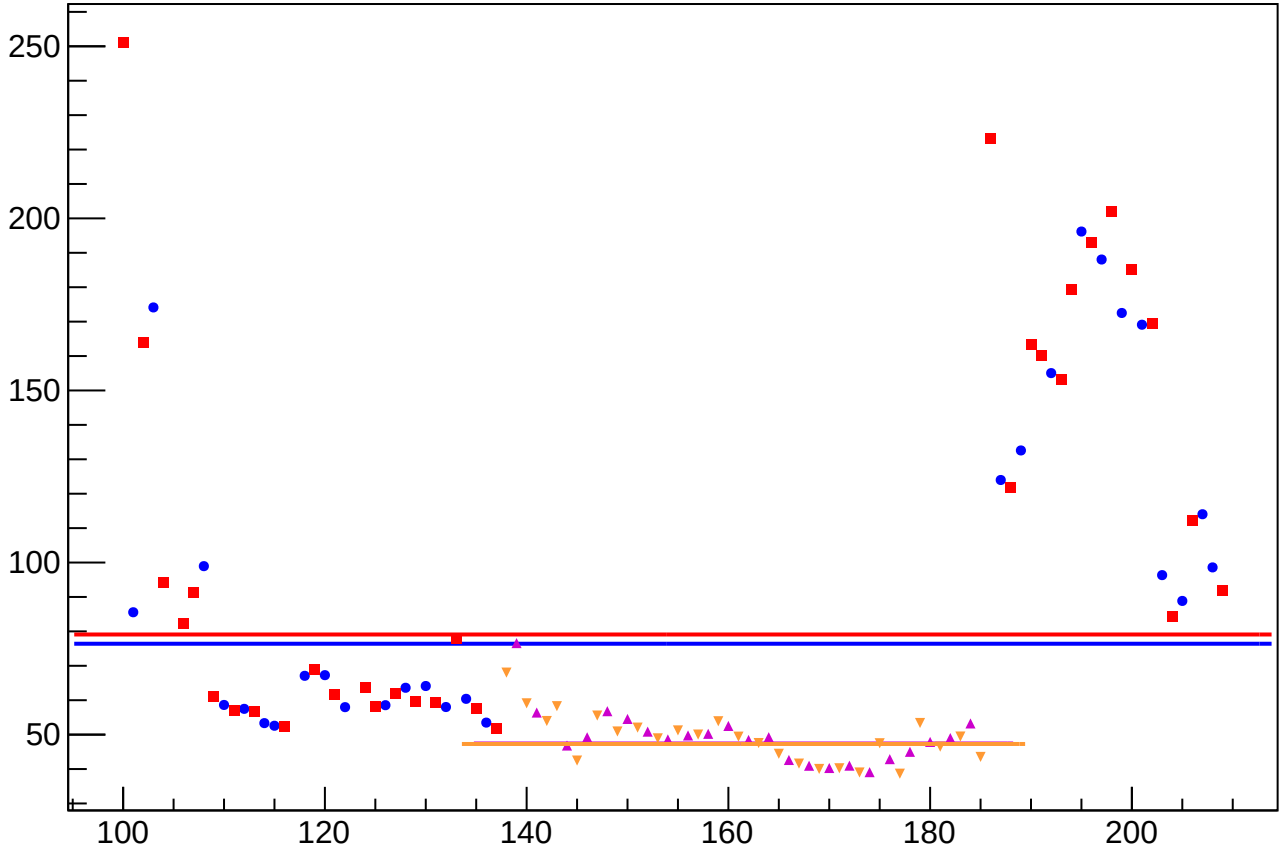
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.876+/-9.678 χ^2/NDF: 68.5/51

All: -6.907+/-6.926 χ^2/NDF: 148.8/106

- sign 0.408+/-9.915 χ^2/NDF: 79.2/54

cor_asym_sam_37_dd_rms vs Slug



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

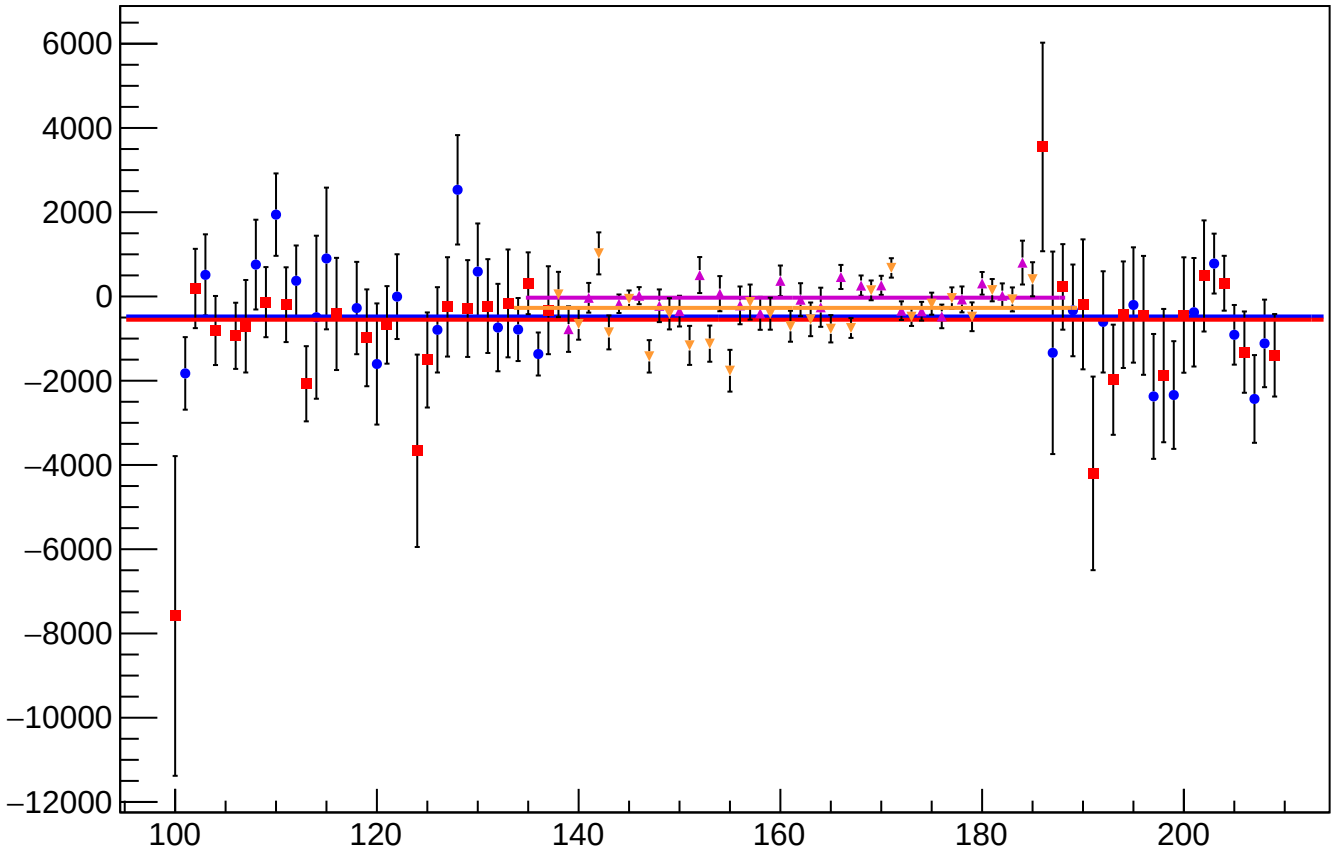
Right Out: 79.095+/-0.015 χ^2/NDF: 5877986.2/31

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.393+/-0.007 χ^2/NDF: 8498595.3/51

All: 53.861+/-0.005 χ^2/NDF: 18528867.7/106

- sign 54.353+/-0.007 χ^2/NDF: 10020673.7/54



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -552.057+/-190.045 χ^2/NDF: 23.8/31

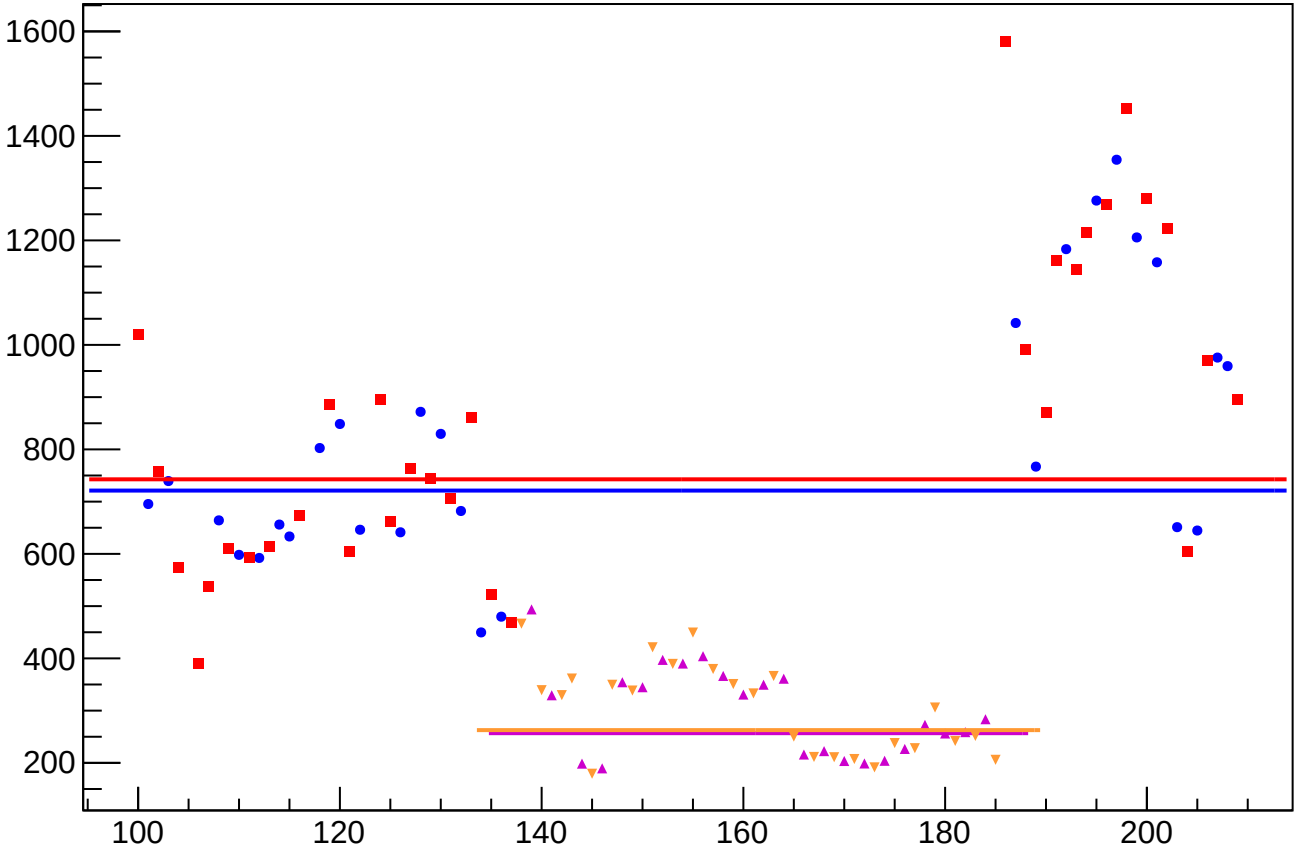
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -290.607+/-59.278 χ^2/NDF: 109.4/51

All: -185.969+/-42.001 χ^2/NDF: 170.7/106

- sign -80.484+/-59.518 χ^2/NDF: 55.0/54

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 742.710+/-0.134 χ^2/NDF: 3553110.5/31

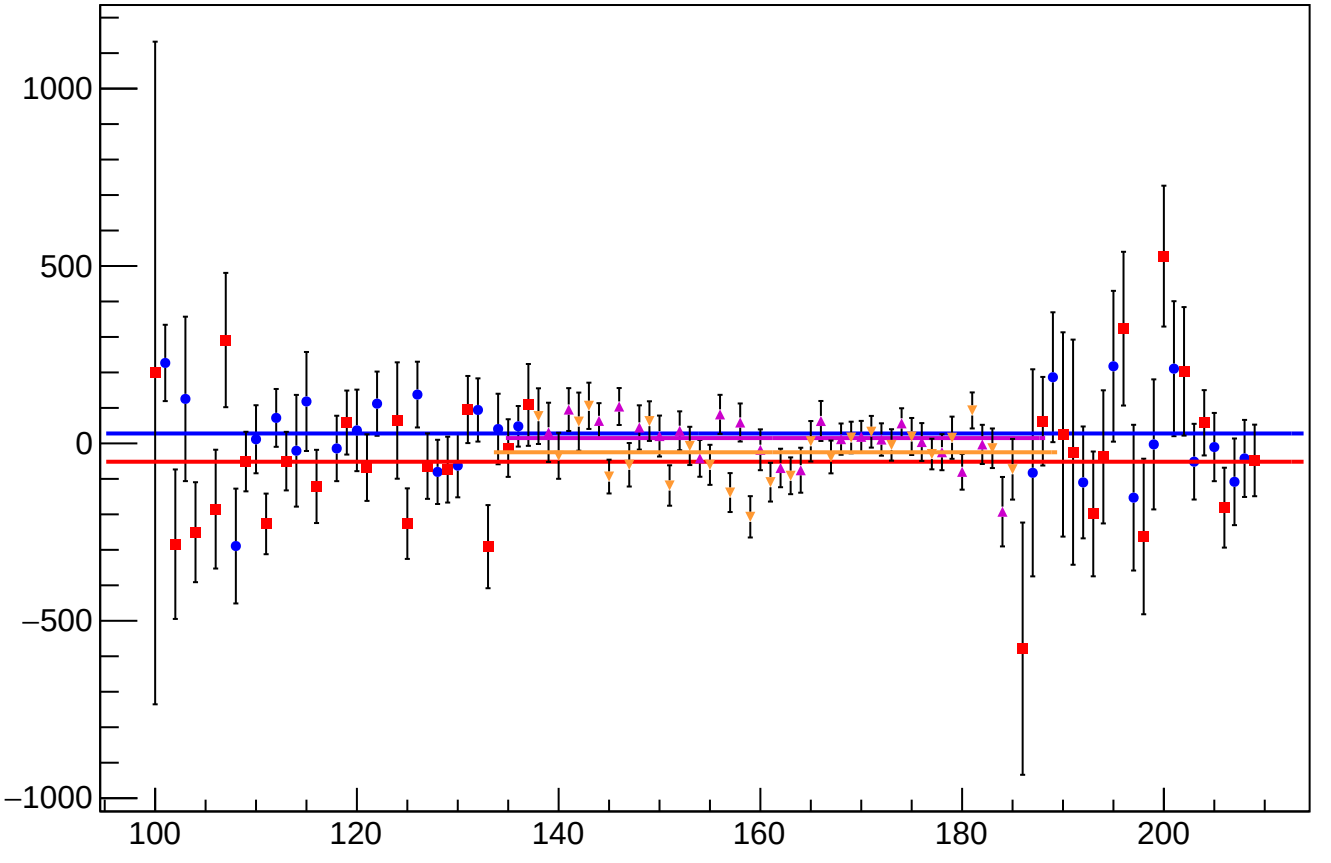
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 306.685+/-0.042 χ^2/NDF: 15991054.2/51

All: 305.595+/-0.030 χ^2/NDF: 33974878.7/10

- sign 304.496+/-0.042 χ^2/NDF: 17982466.9/54

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.679+/-21.200 χ^2/NDF: 46.8/31

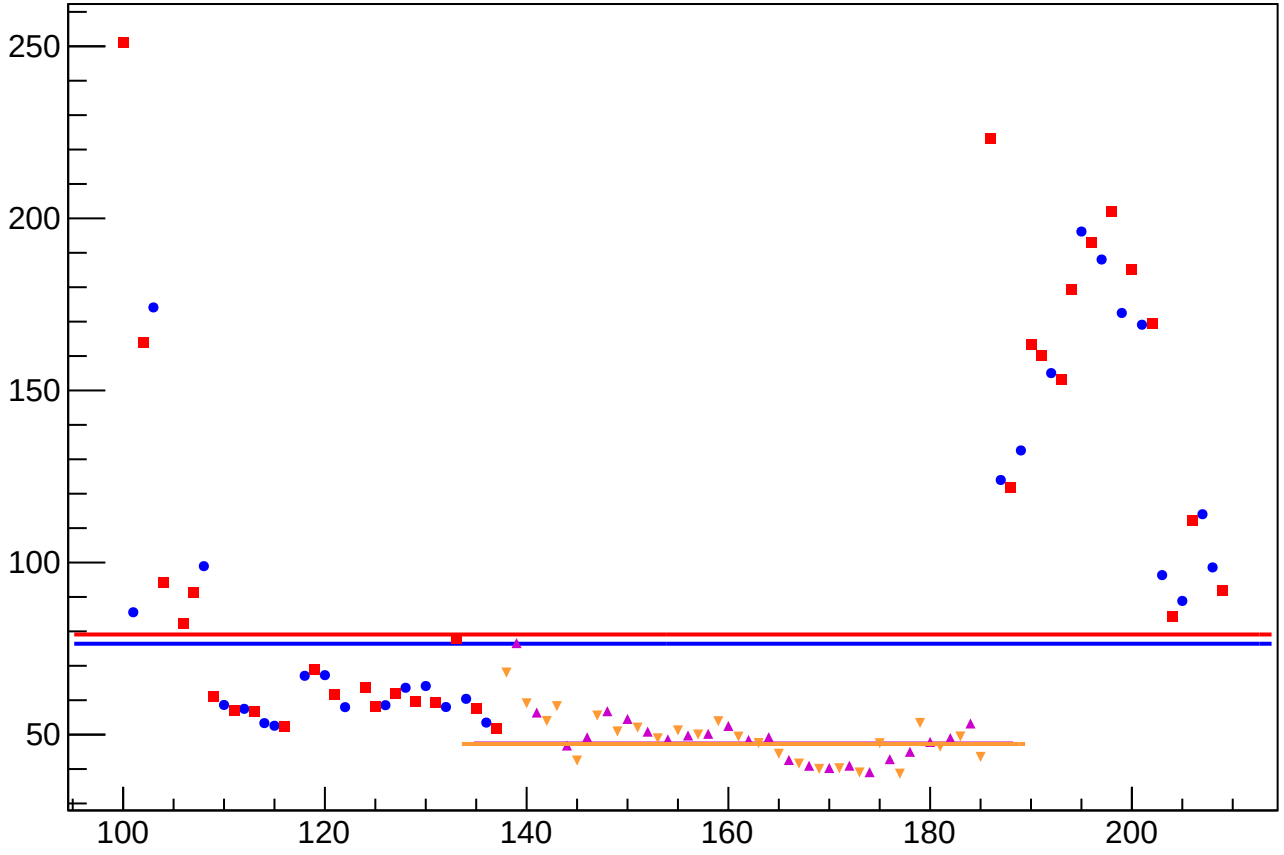
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.876+/-9.678 χ^2/NDF: 68.5/51

All: -6.907+/-6.926 χ^2/NDF: 148.8/106

- sign 0.408+/-9.915 χ^2/NDF: 79.2/54

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

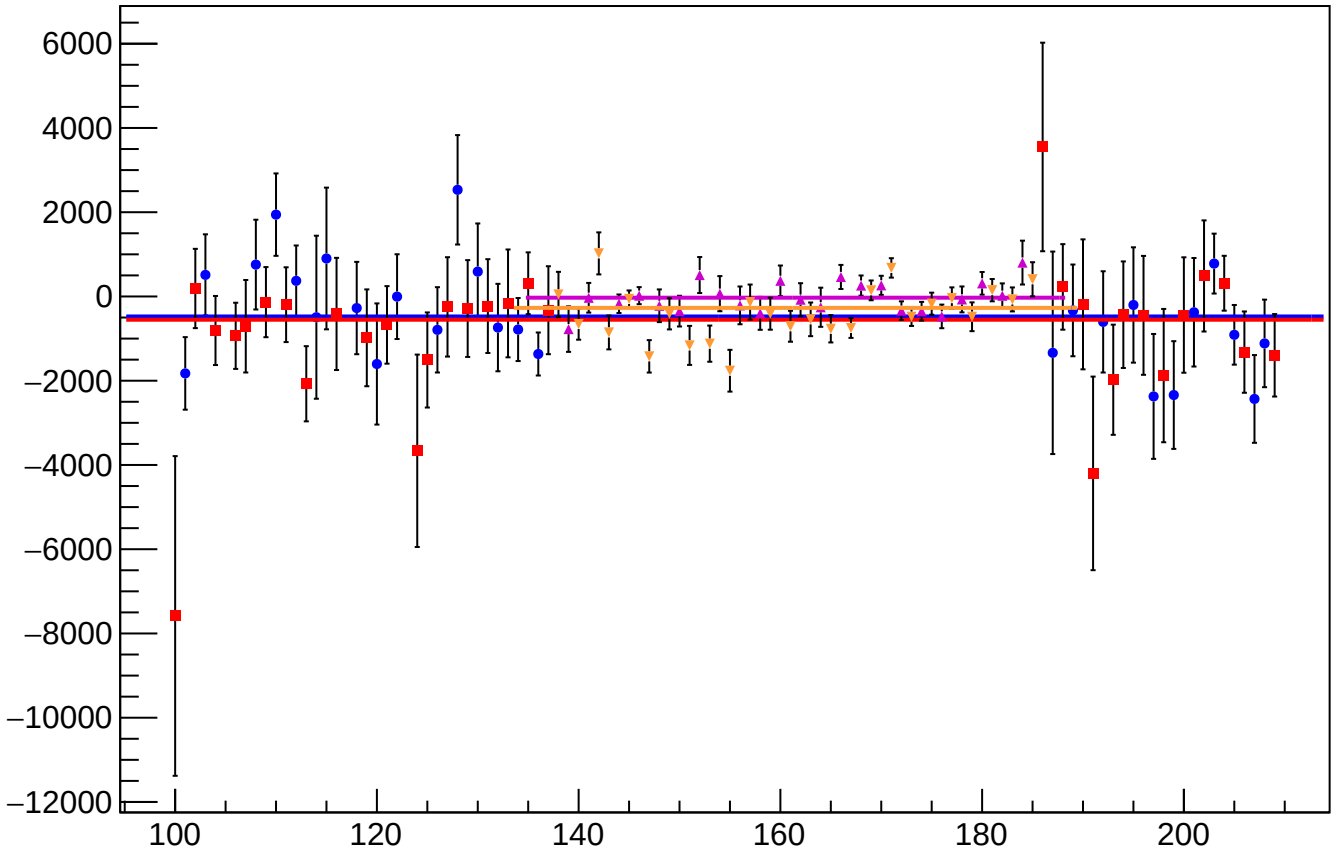
Right Out: 79.095+/-0.015 χ^2/NDF: 5877986.2/31

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 53.393+/-0.007 χ^2/NDF: 8498595.3/51

All: 53.861+/-0.005 χ^2/NDF: 18528867.7/106

- sign 54.353+/-0.007 χ^2/NDF: 10020673.7/54



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -552.057+/-190.045 χ^2/NDF: 23.8/31

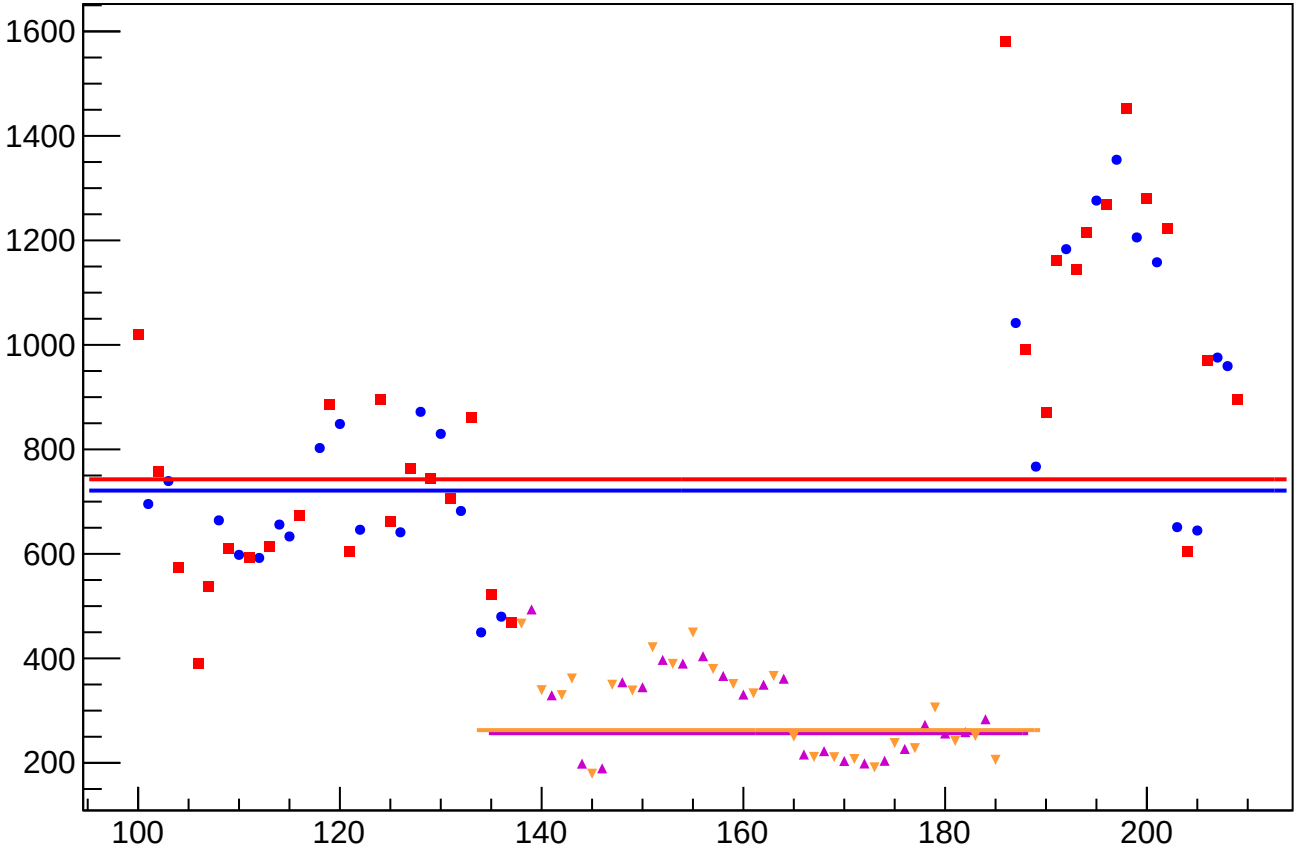
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -290.607+/-59.278 χ^2/NDF: 109.4/51

All: -185.969+/-42.001 χ^2/NDF: 170.7/106

- sign -80.484+/-59.518 χ^2/NDF: 55.0/54

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 742.710+/-0.134 χ^2/NDF: 3553110.5/31

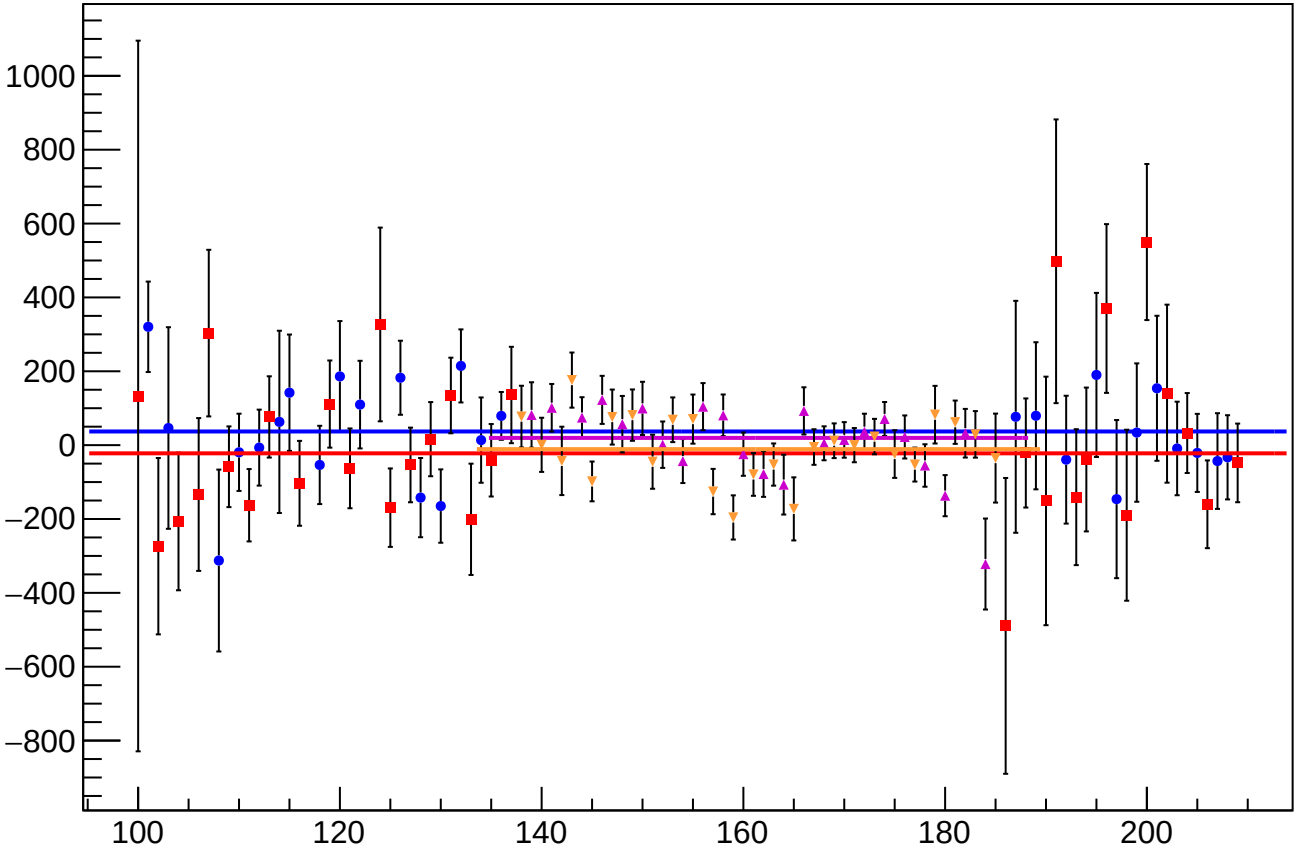
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 306.685+/-0.042 χ^2/NDF: 15991054.2/51

All: 305.595+/-0.030 χ^2/NDF: 33974878.7/10

- sign 304.496+/-0.042 χ^2/NDF: 17982466.9/54

dit_asym_sam_37_dd_mean vs Slug



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -22.192+/-24.680 χ^2/NDF: 35.2/31

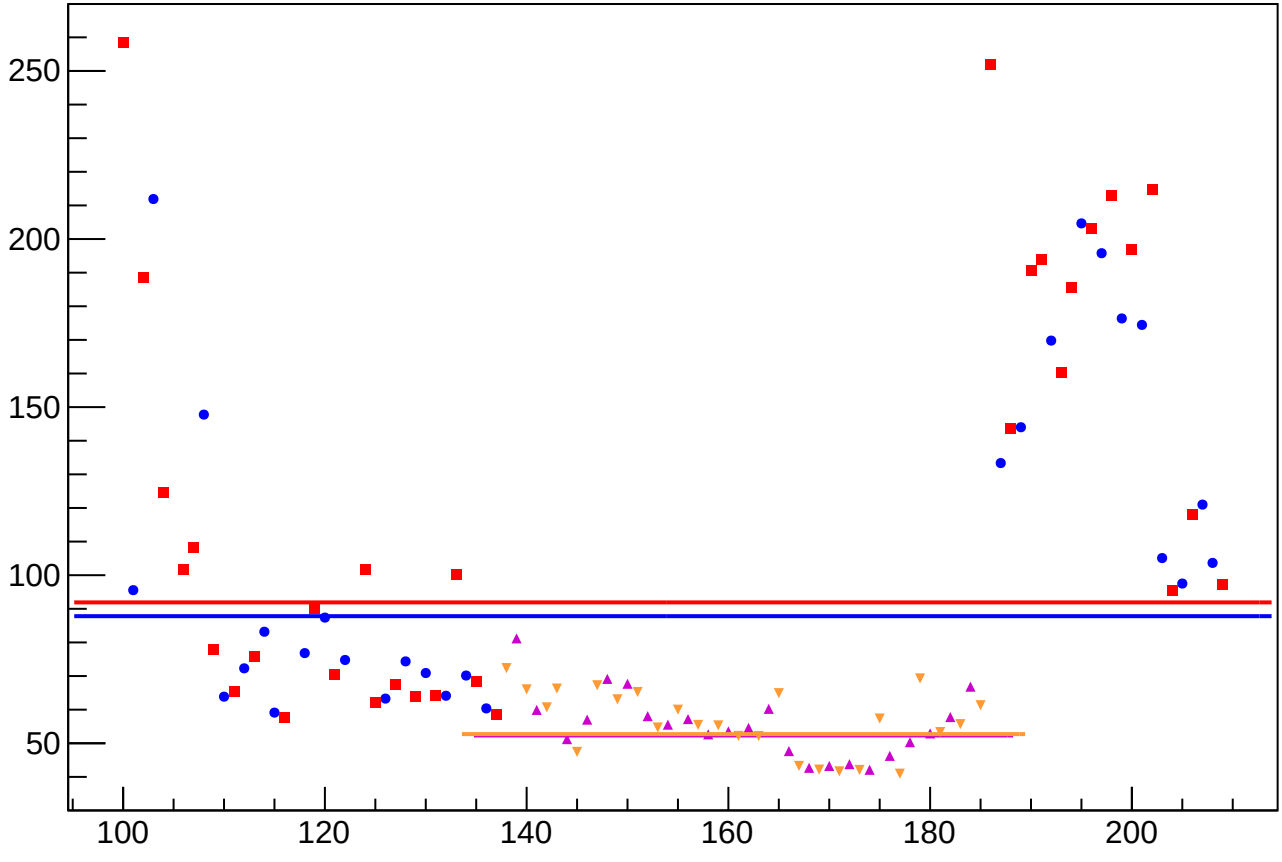
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

\+ sign -1.025+/-10.974 χ^2/NDF: 69.6/51

All: 4.881+/-7.833 χ^2/NDF: 144.5/106

\- sign 11.016+/-11.184 χ^2/NDF: 74.3/54

dit_asym_sam_37_dd_rms vs Slug



Right In: 87.811+/-0.017 χ^2/NDF: 4304129.9/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

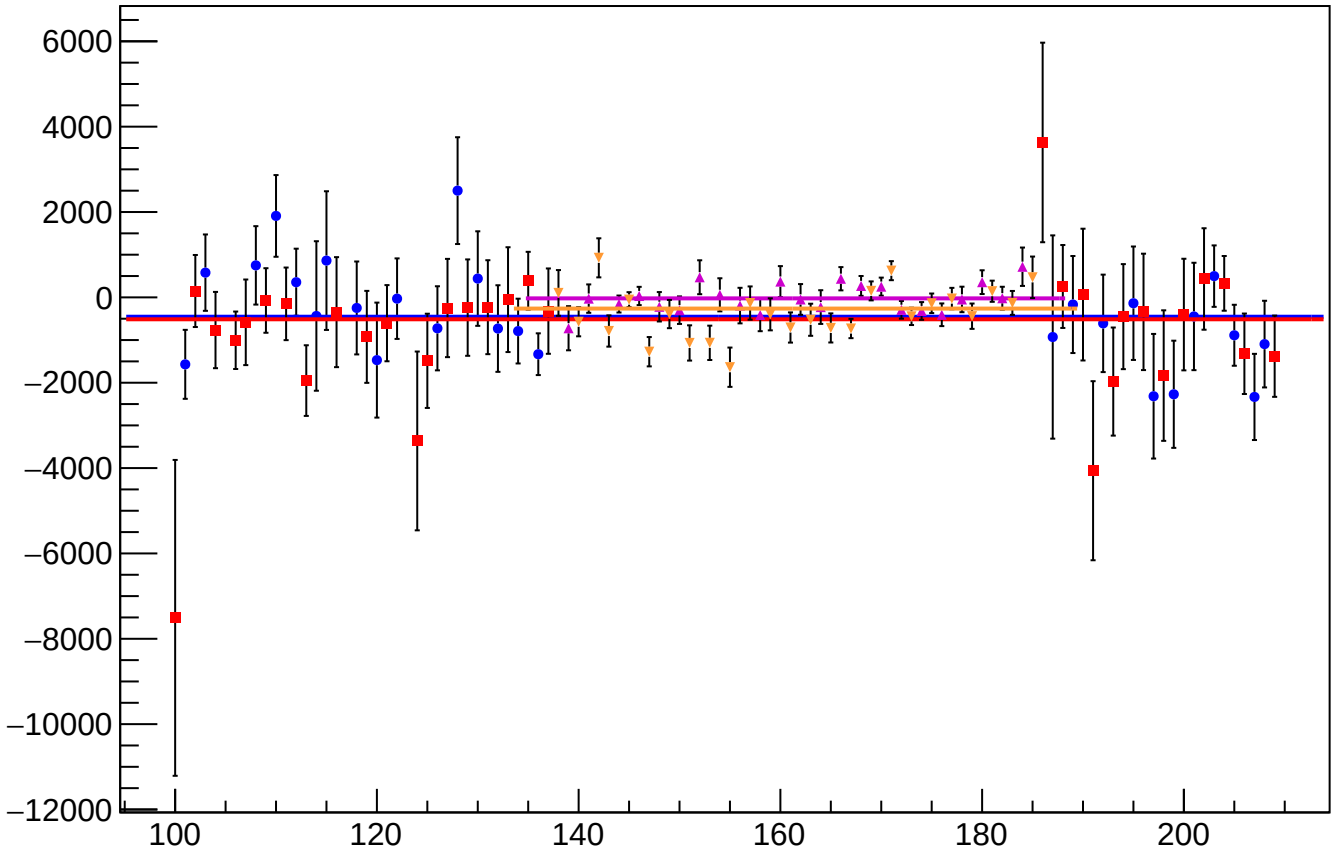
Right Out: 91.909+/-0.017 χ^2/NDF: 5532530.0/31

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 59.916+/-0.008 χ^2/NDF: 8799953.8/51

All: 60.175+/-0.006 χ^2/NDF: 19317487.6/106

- sign 60.445+/-0.008 χ^2/NDF: 10515253.5/54



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -513.440+/-180.823 χ^2/NDF: 26.1/31

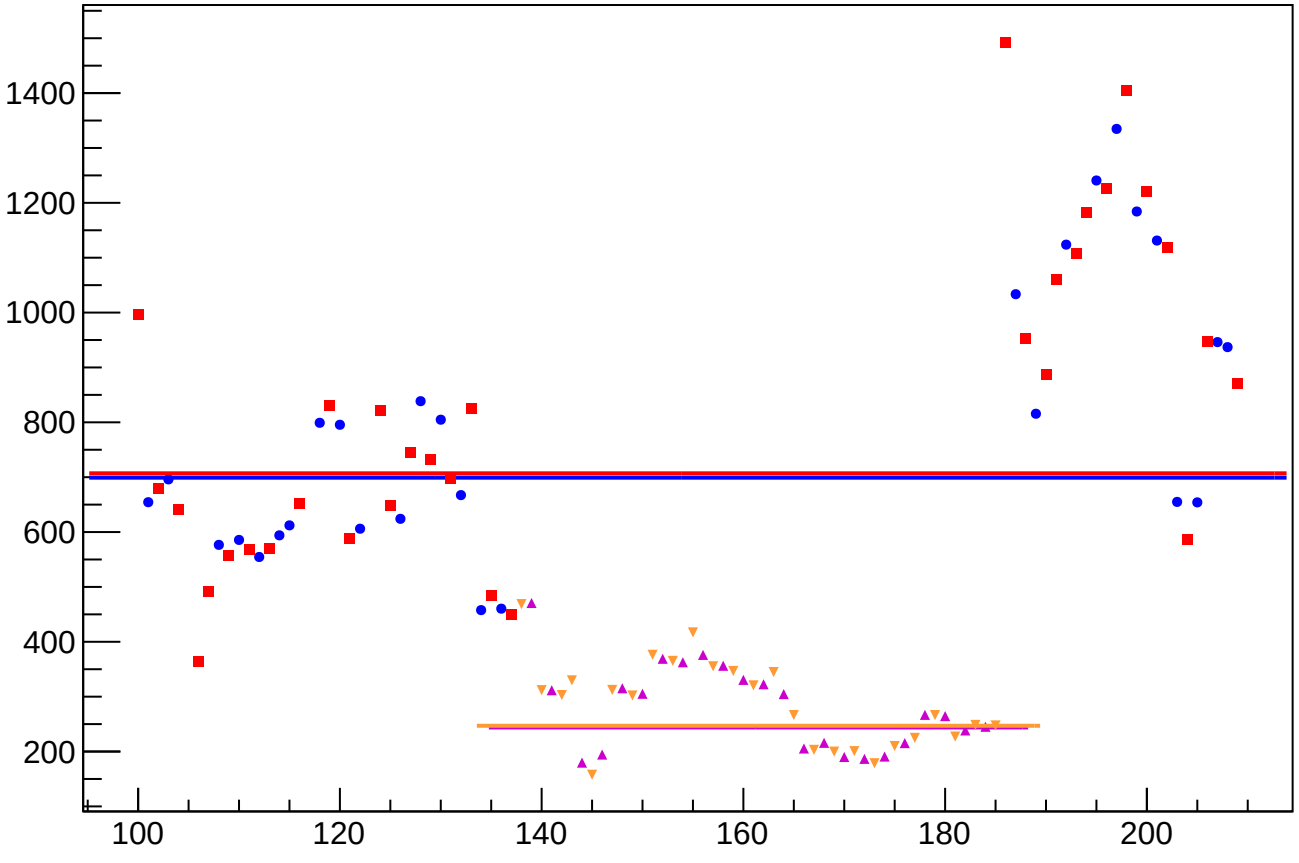
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -279.900+/-55.786 χ^2/NDF: 106.4/51

All: -176.742+/-39.673 χ^2/NDF: 170.2/106

- sign -71.188+/-56.430 χ^2/NDF: 56.9/54

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 699.138+/-0.131 χ^2/NDF: 2760281.1/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 707.058+/-0.128 χ^2/NDF: 3725467.7/31

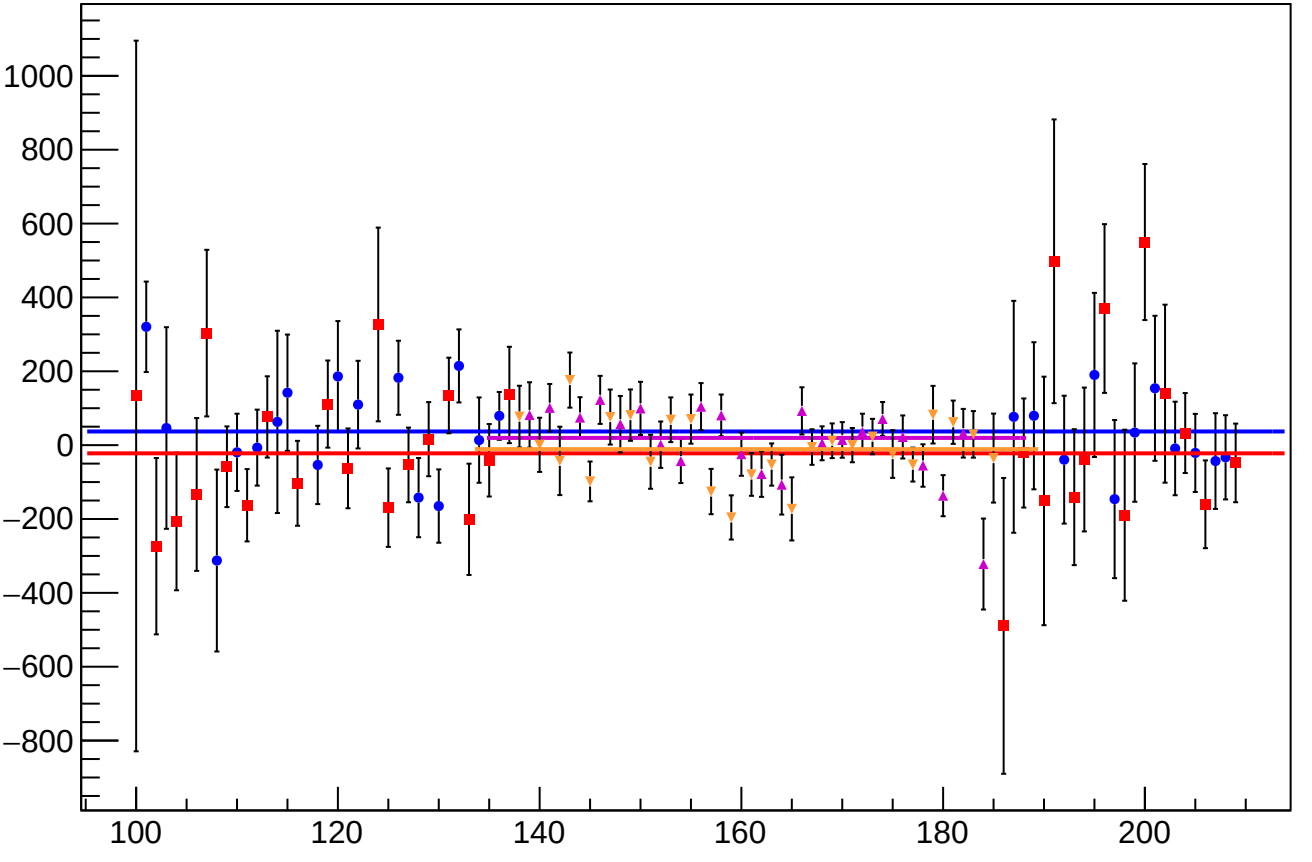
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 287.986+/-0.039 χ^2/NDF: 16516759.8/51

All: 288.457+/-0.028 χ^2/NDF: 34580412.7/10

- sign 288.939+/-0.040 χ^2/NDF: 18063363.8/54

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

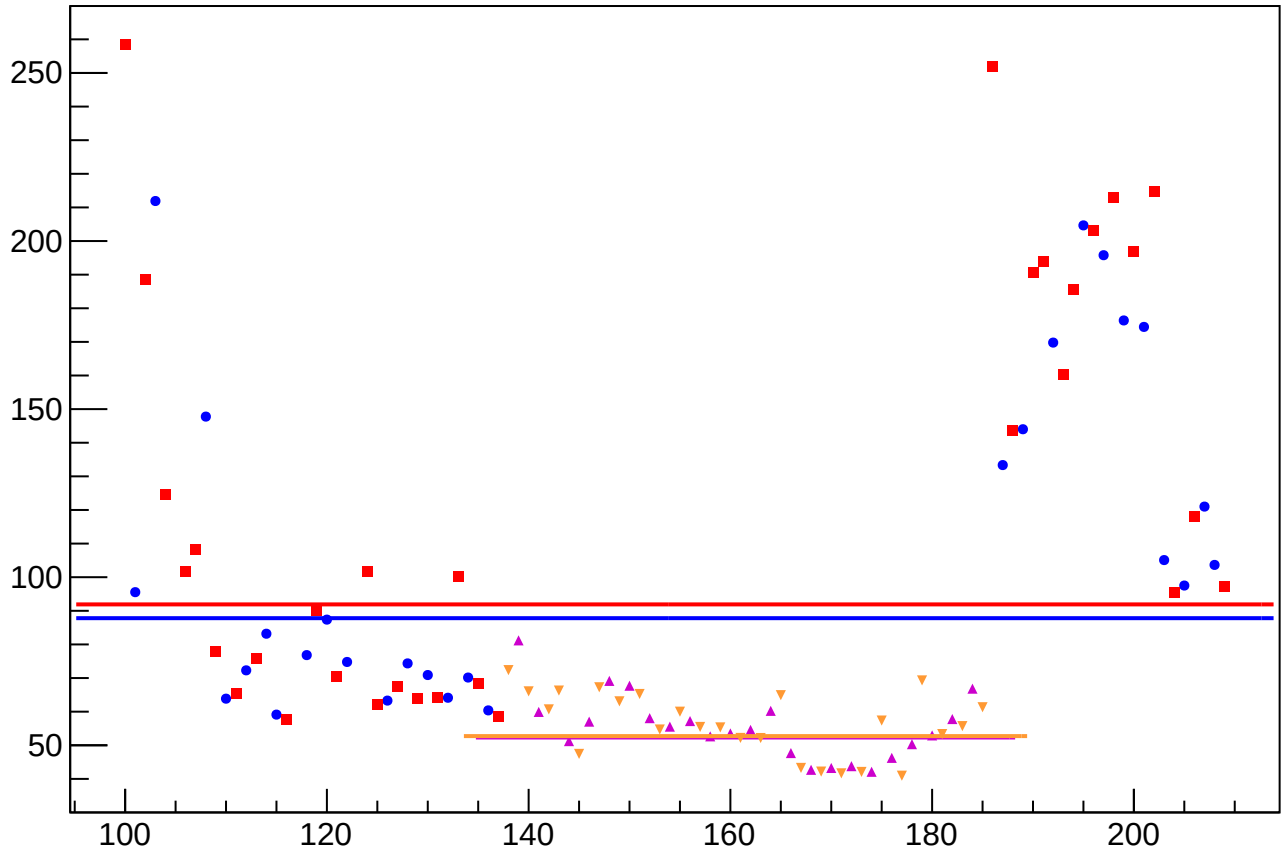
Right Out: -22.191+/-24.680 χ^2/NDF: 35.2/31

Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -1.025+/-10.974 χ^2/NDF: 69.6/51

All: 4.882+/-7.833 χ^2/NDF: 144.5/106

\- sign 11.016+/-11.184 χ^2/NDF: 74.3/54



Right In: 87.811+/-0.017 χ^2/NDF: 4304154.1/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

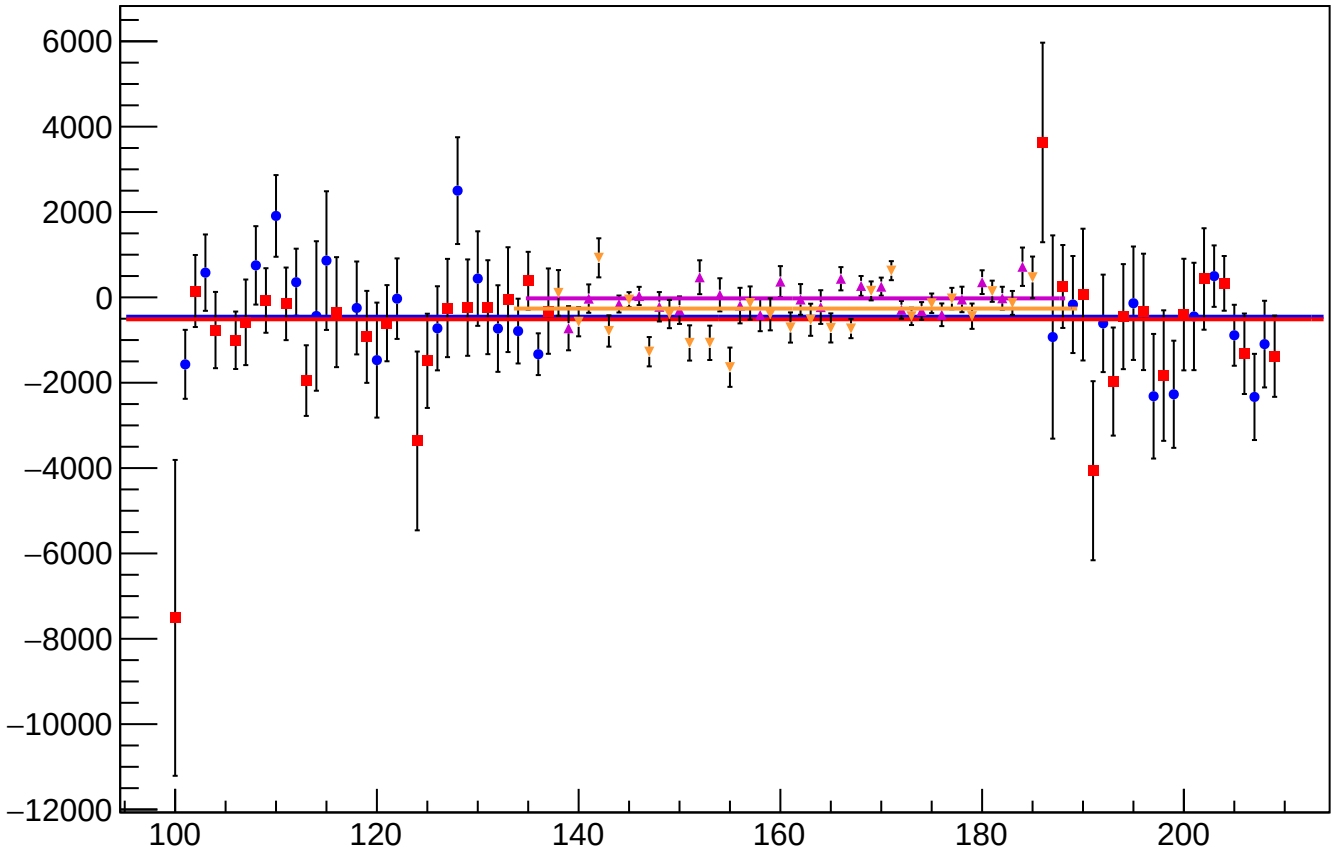
Right Out: 91.909+/-0.017 χ^2/NDF: 5532531.9/31

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 59.916+/-0.008 χ^2/NDF: 8799968.8/51

All: 60.175+/-0.006 χ^2/NDF: 19317485.9/106

- sign 60.445+/-0.008 χ^2/NDF: 10515236.9/54



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

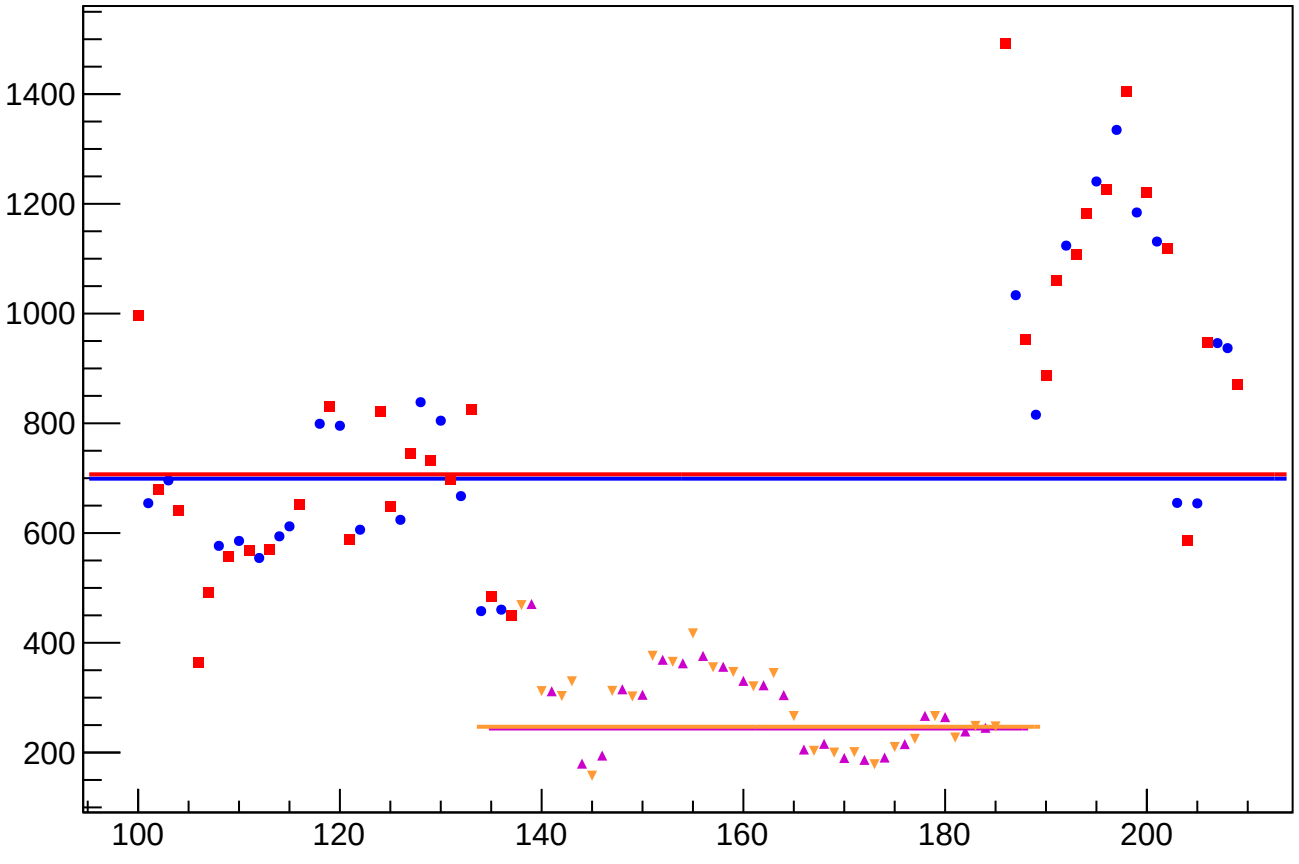
Right Out: -513.440+/-180.823 χ^2/NDF: 26.1/31

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -279.900+/-55.786 χ^2/NDF: 106.4/51

All: -176.742+/-39.672 χ^2/NDF: 170.2/106

- sign -71.187+/-56.430 χ^2/NDF: 56.9/54



Right In: 699.138+/-0.131 χ^2/NDF: 2760267.7/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 707.058+/-0.128 χ^2/NDF: 3725460.0/31

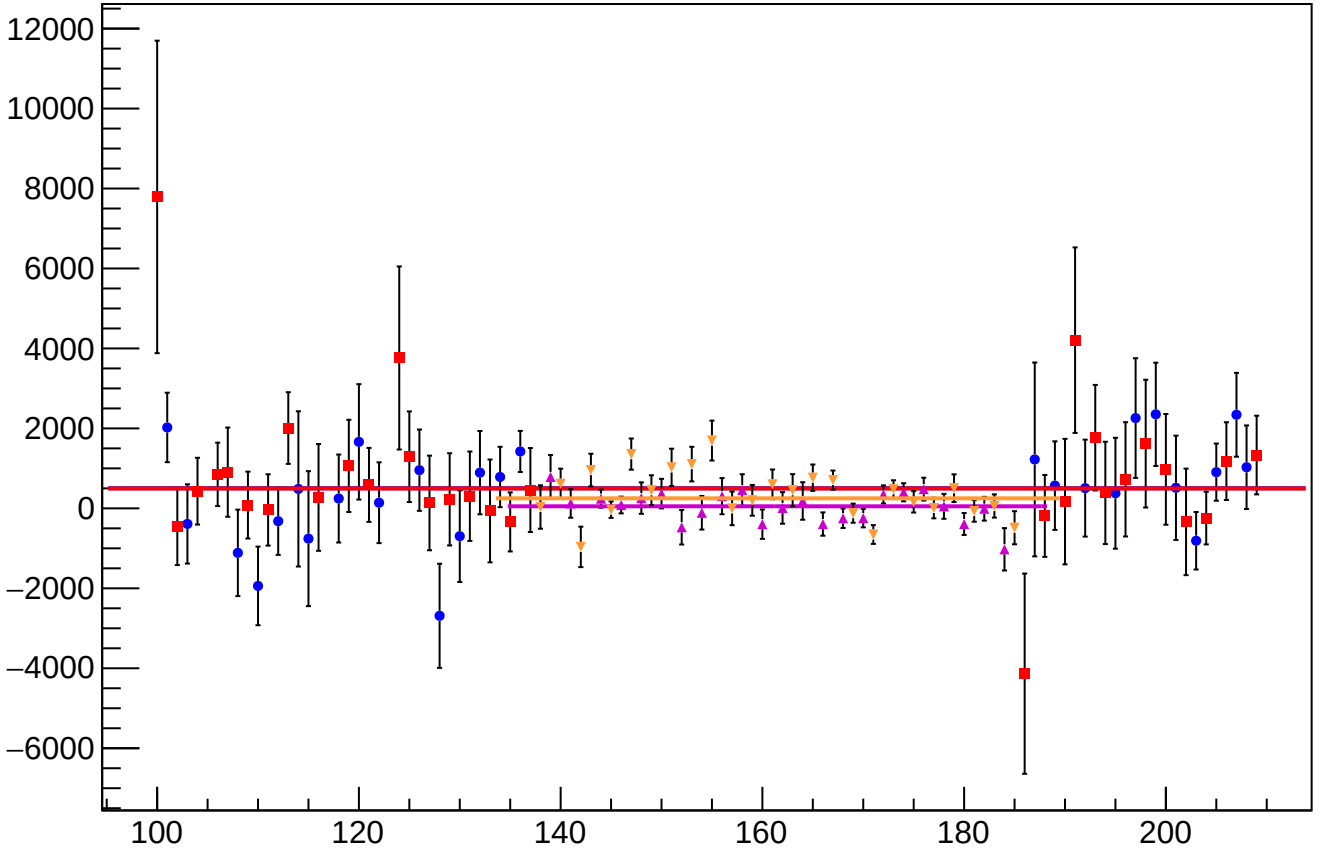
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 287.985+/-0.039 χ^2/NDF: 16516749.8/51

All: 288.457+/-0.028 χ^2/NDF: 34580396.2/10

- sign 288.939+/-0.040 χ^2/NDF: 18063357.4/54

asym_sam_37_dd_mean vs Slug



Right In: 502.247+/-192.999 χ^2/NDF: 35.9/26

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 497.988+/-191.718 χ^2/NDF: 23.6/31

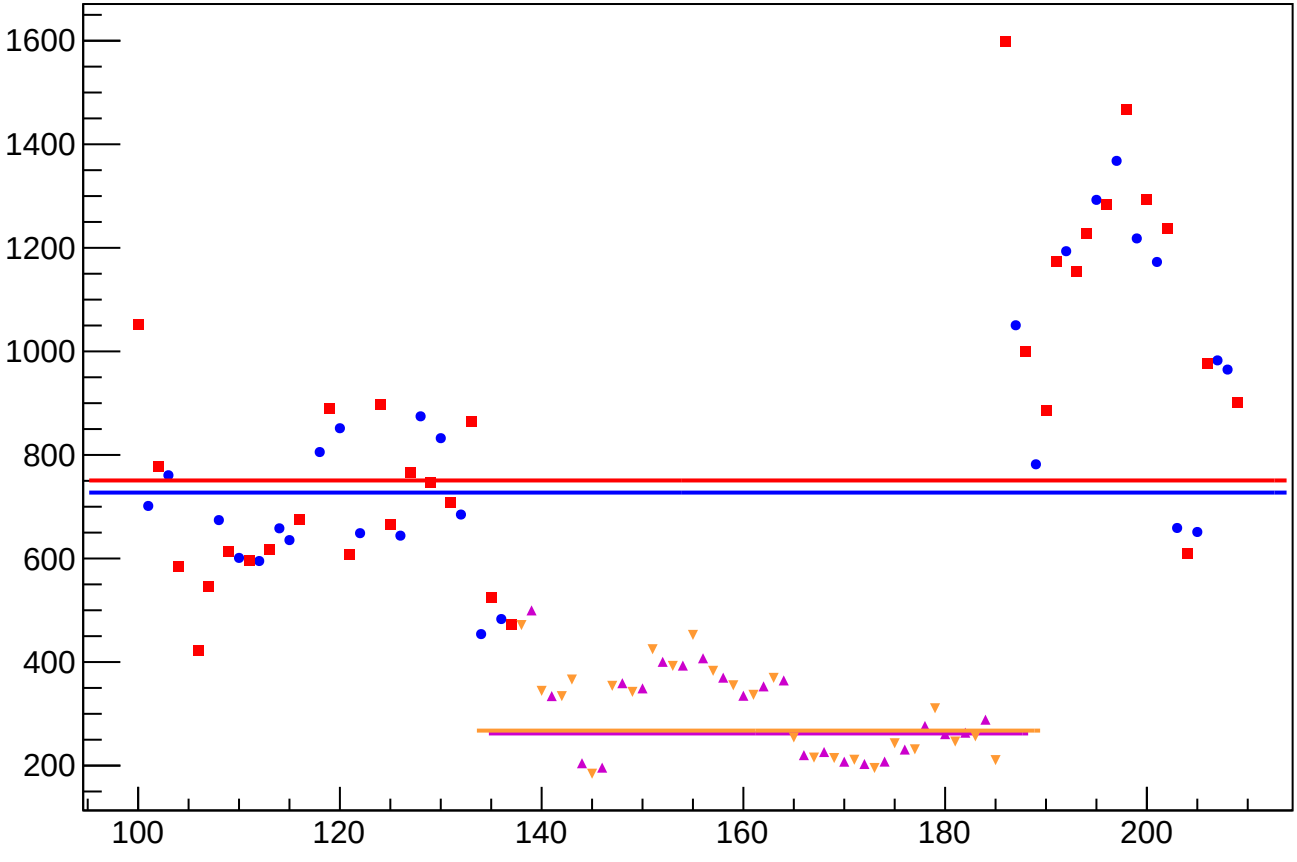
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 275.587+/-60.254 χ^2/NDF: 105.0/51

All: 186.396+/-42.718 χ^2/NDF: 164.7/106

- sign 96.256+/-60.573 χ^2/NDF: 55.3/54

asym_sam_37_dd_rms vs Slug



Right In: 727.308+/-0.136 χ^2/NDF: 2728721.1/26

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

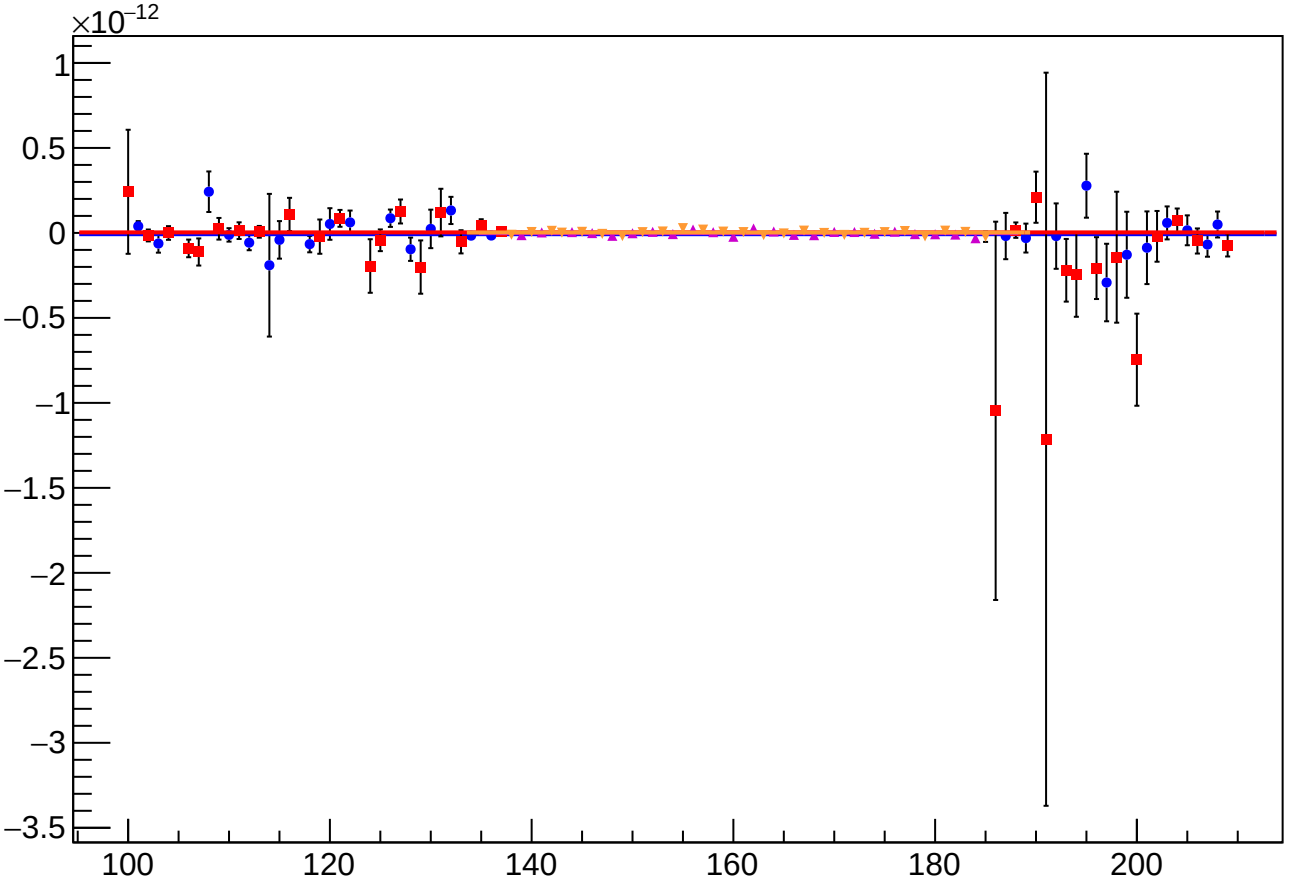
Right Out: 750.720+/-0.136 χ^2/NDF: 3503381.6/31

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 312.396+/-0.043 χ^2/NDF: 15771806.4/51

All: 311.636+/-0.030 χ^2/NDF: 33507936.7/10

- sign 310.868+/-0.043 χ^2/NDF: 17735490.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

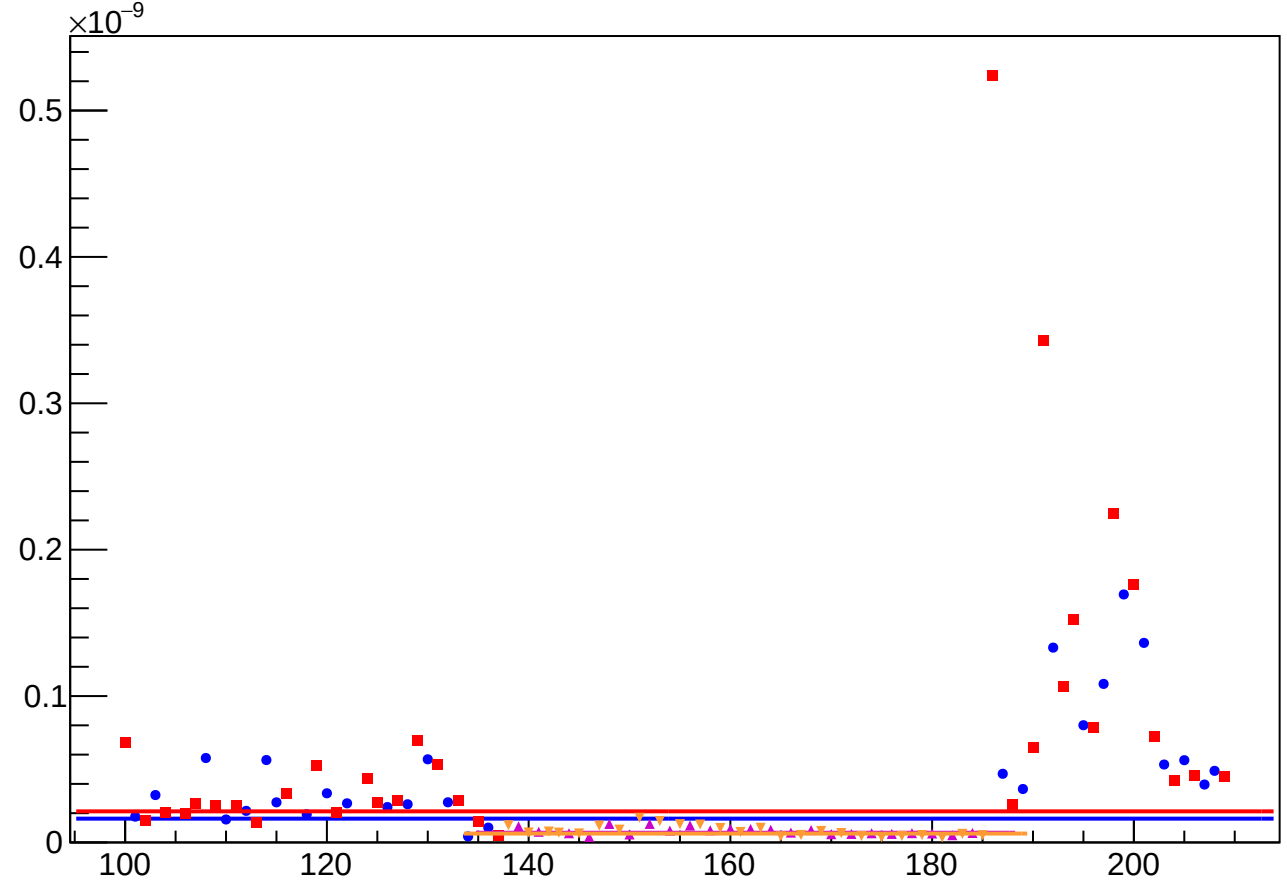
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/31

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/51

All: 0.000+/-0.000 χ^2/NDF: 94.1/106

- sign -0.000+/-0.000 χ^2/NDF: 49.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 6455880.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5807777.2/31

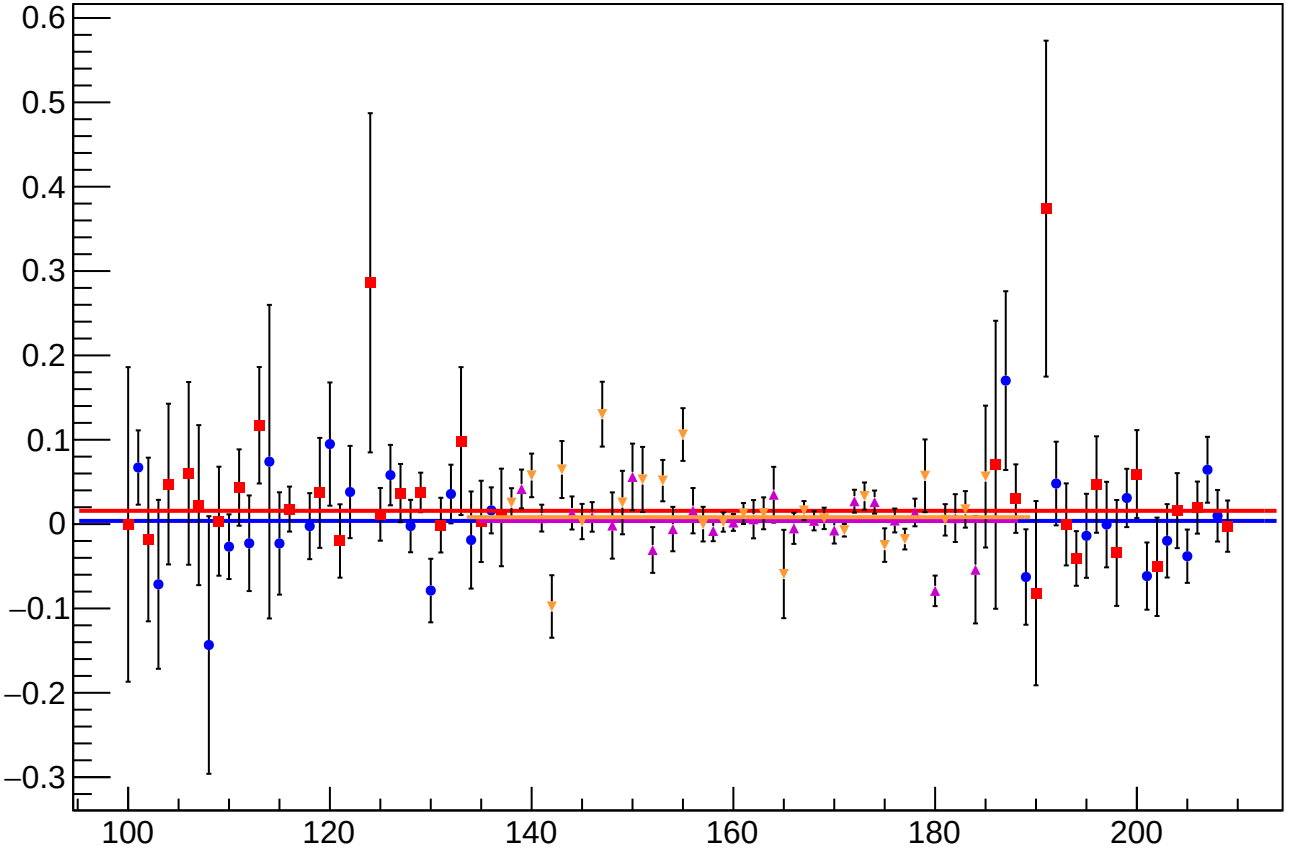
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11246590.3/51

All: 0.000+/-0.000 χ^2/NDF: 21847038.3/106

- sign 0.000+/-0.000 χ^2/NDF: 10516940.5/54

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.016+/-0.008 χ^2/NDF: 18.8/31

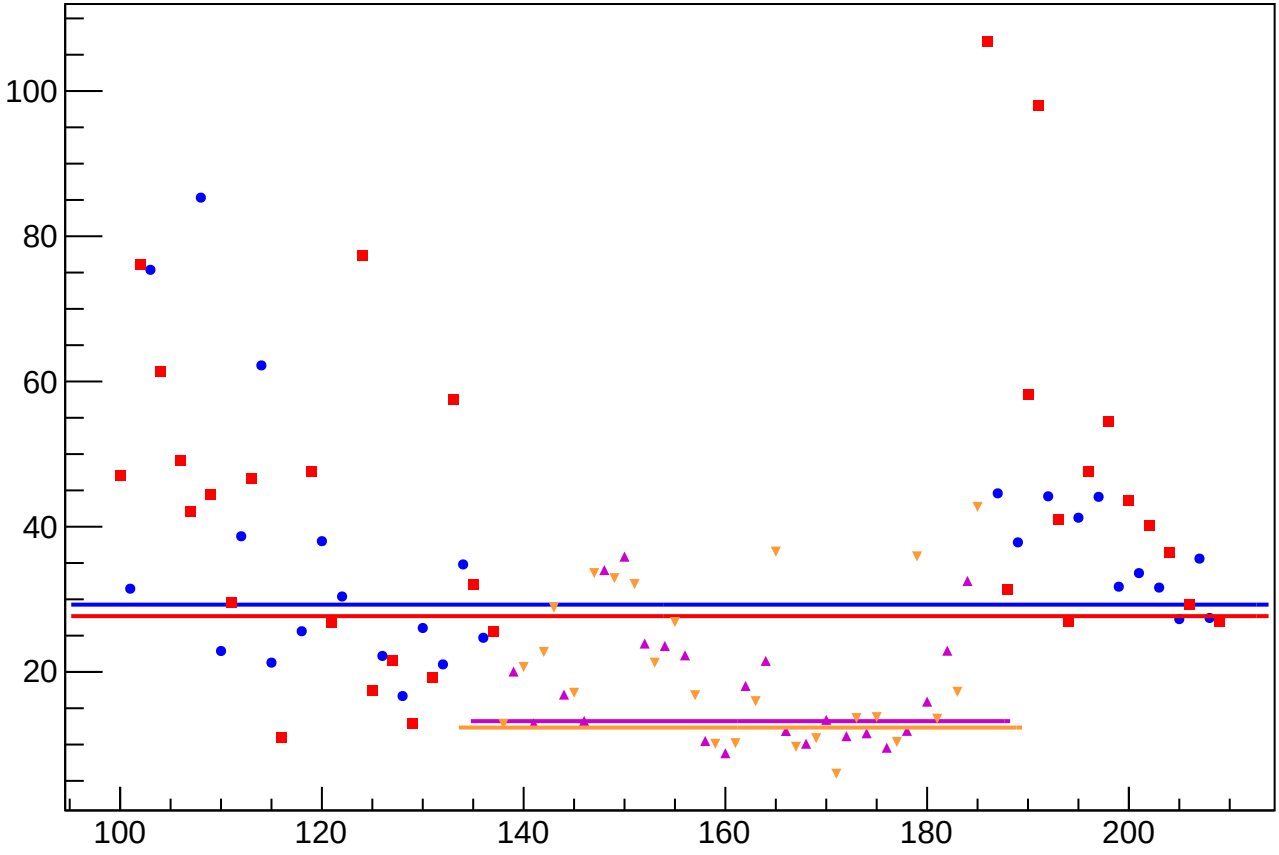
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.7/106

- sign 0.006+/-0.003 χ^2/NDF: 57.8/54

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.686+/-0.006 χ^2/NDF: 5716139.3/31

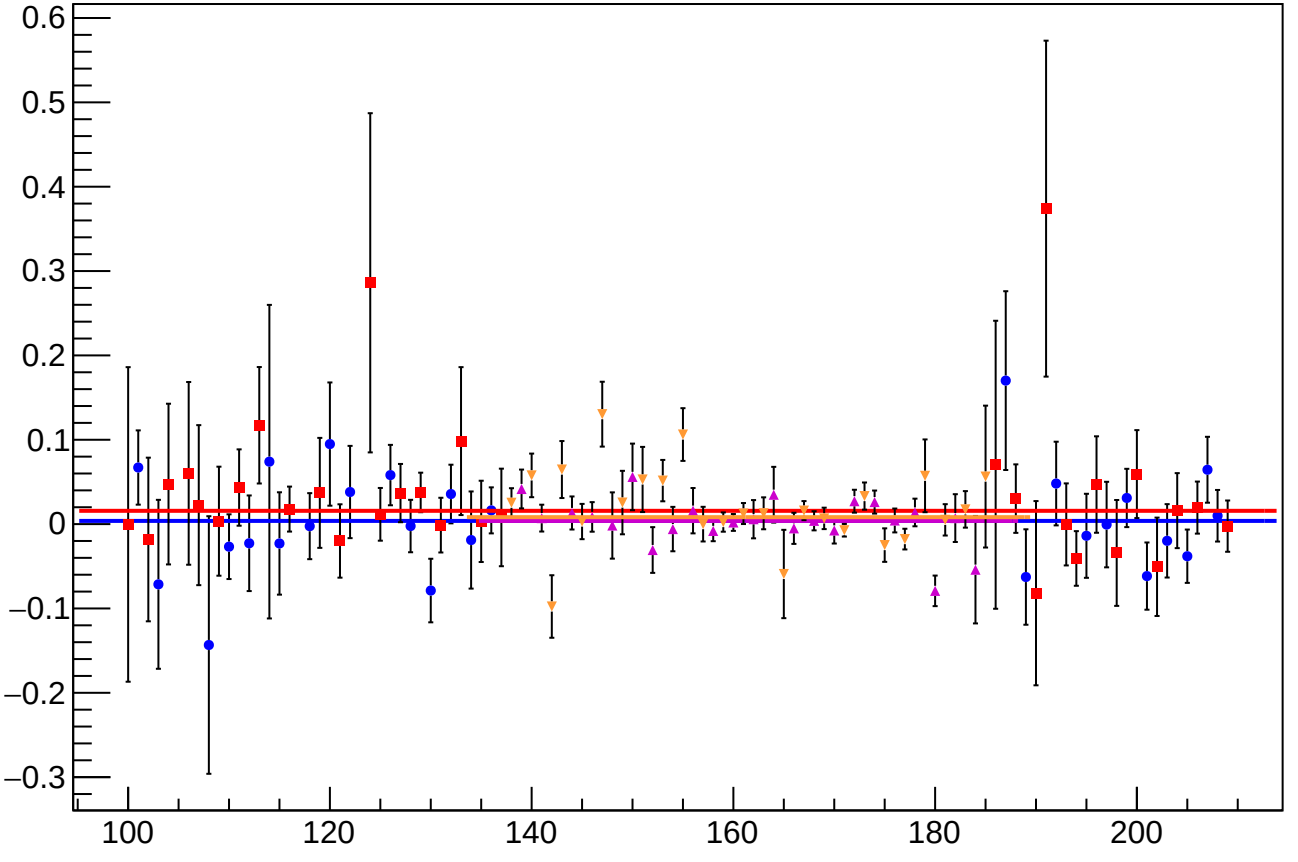
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024697.2/51

All: 15.211+/-0.002 χ^2/NDF: 30922961.2/106

- sign 15.623+/-0.002 χ^2/NDF: 14838947.1/54

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

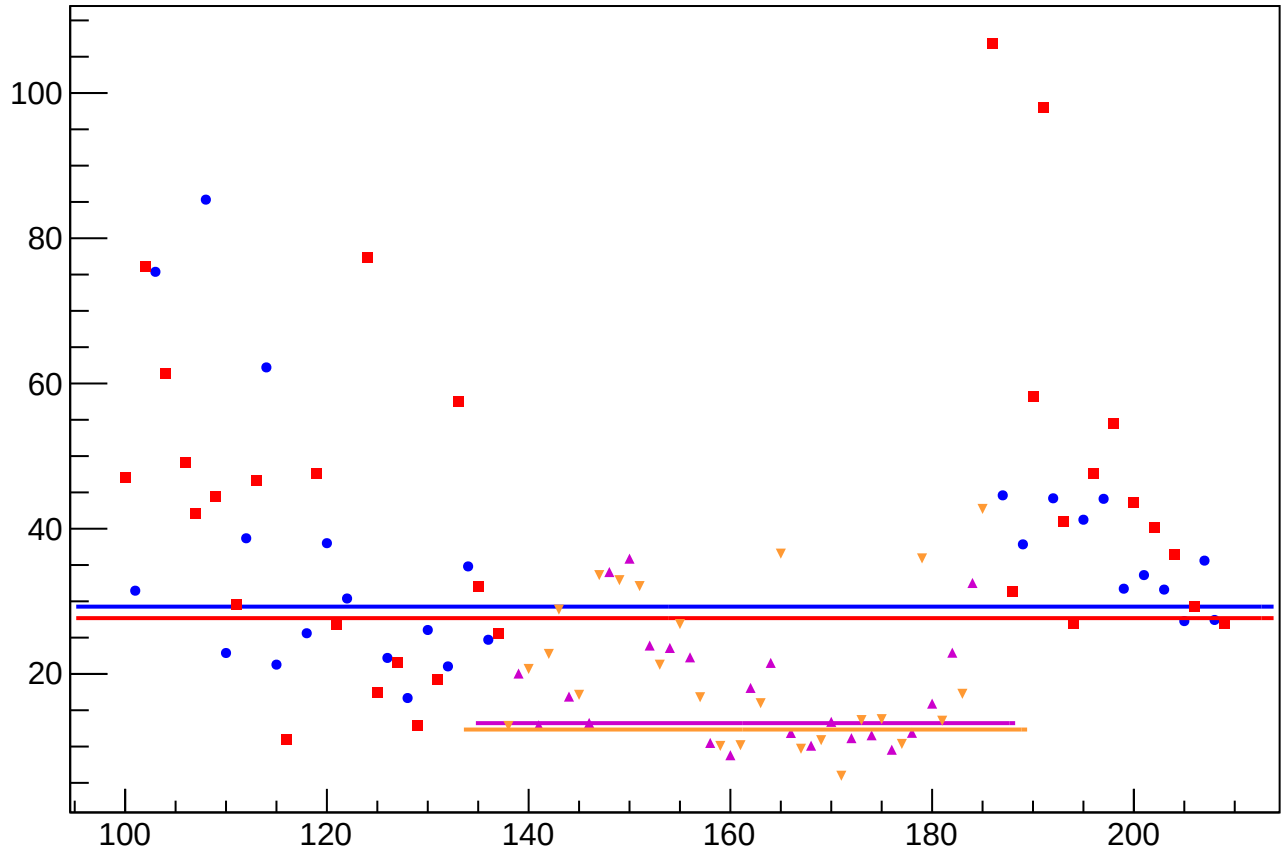
Right Out: 0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.7/106

- sign 0.006+/-0.003 χ^2/NDF: 57.8/54



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

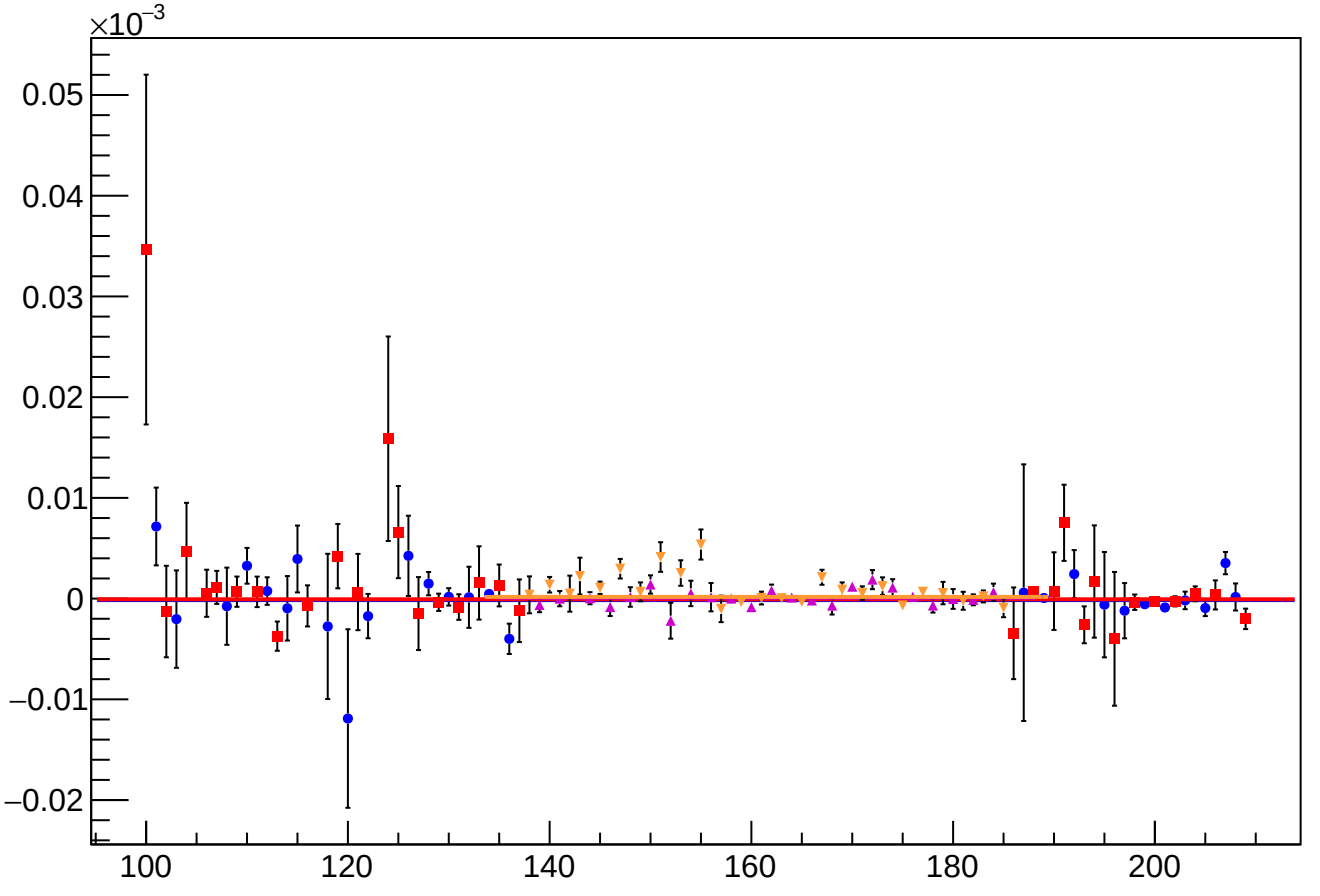
Right Out: 27.686+/-0.006 χ^2/NDF: 5716139.3/31

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024697.2/51

All: 15.211+/-0.002 χ^2/NDF: 30922961.2/106

- sign 15.623+/-0.002 χ^2/NDF: 14838947.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 41.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

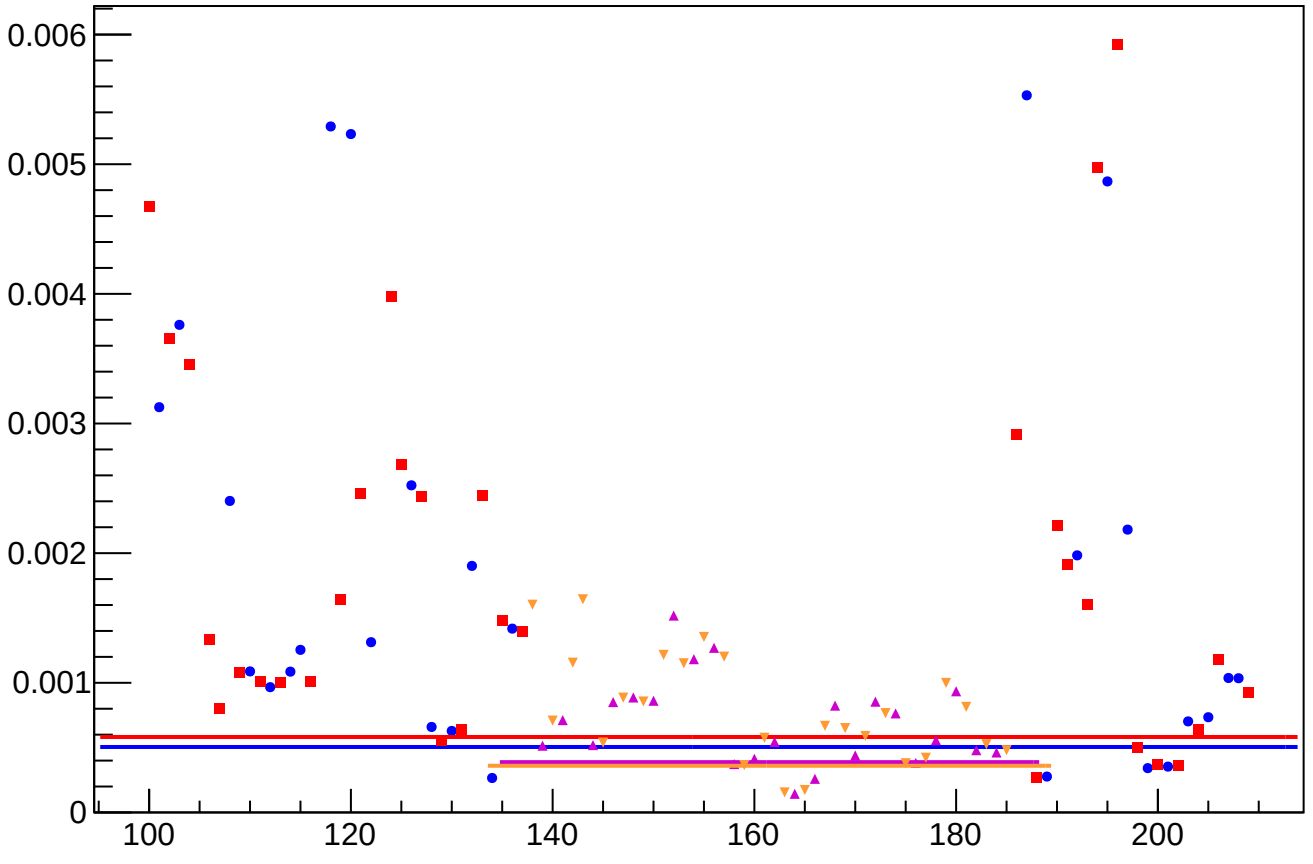
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/31

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 105.5/51

All: 0.000+/-0.000 χ^2/NDF: 165.6/106

- sign 0.000+/-0.000 χ^2/NDF: 60.1/54



Right In: 0.001+/-0.000 χ^2/NDF: 12334851.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12281733.4/31

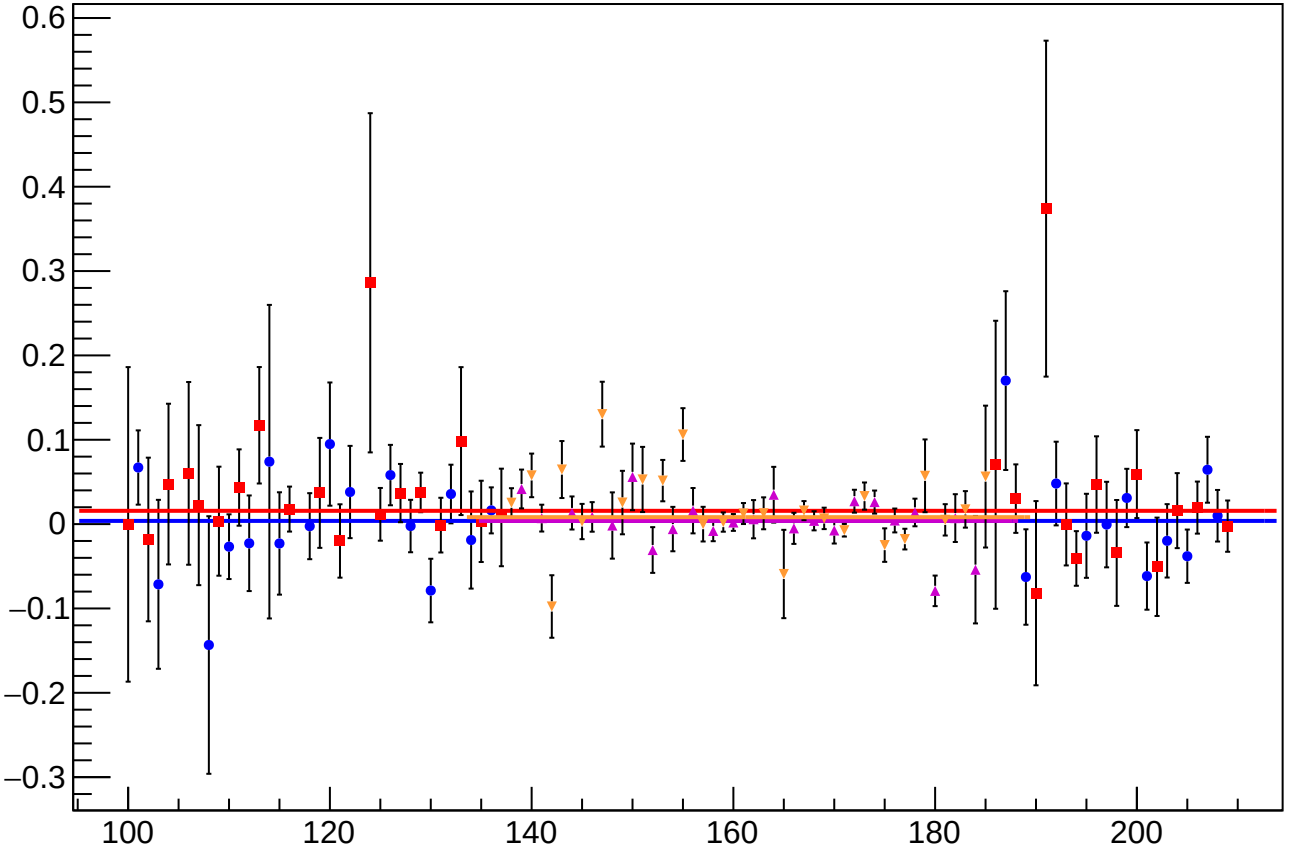
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 27342043.4/51

All: 0.000+/-0.000 χ^2/NDF: 51691744.2/106

- sign 0.000+/-0.000 χ^2/NDF: 24190742.1/54

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

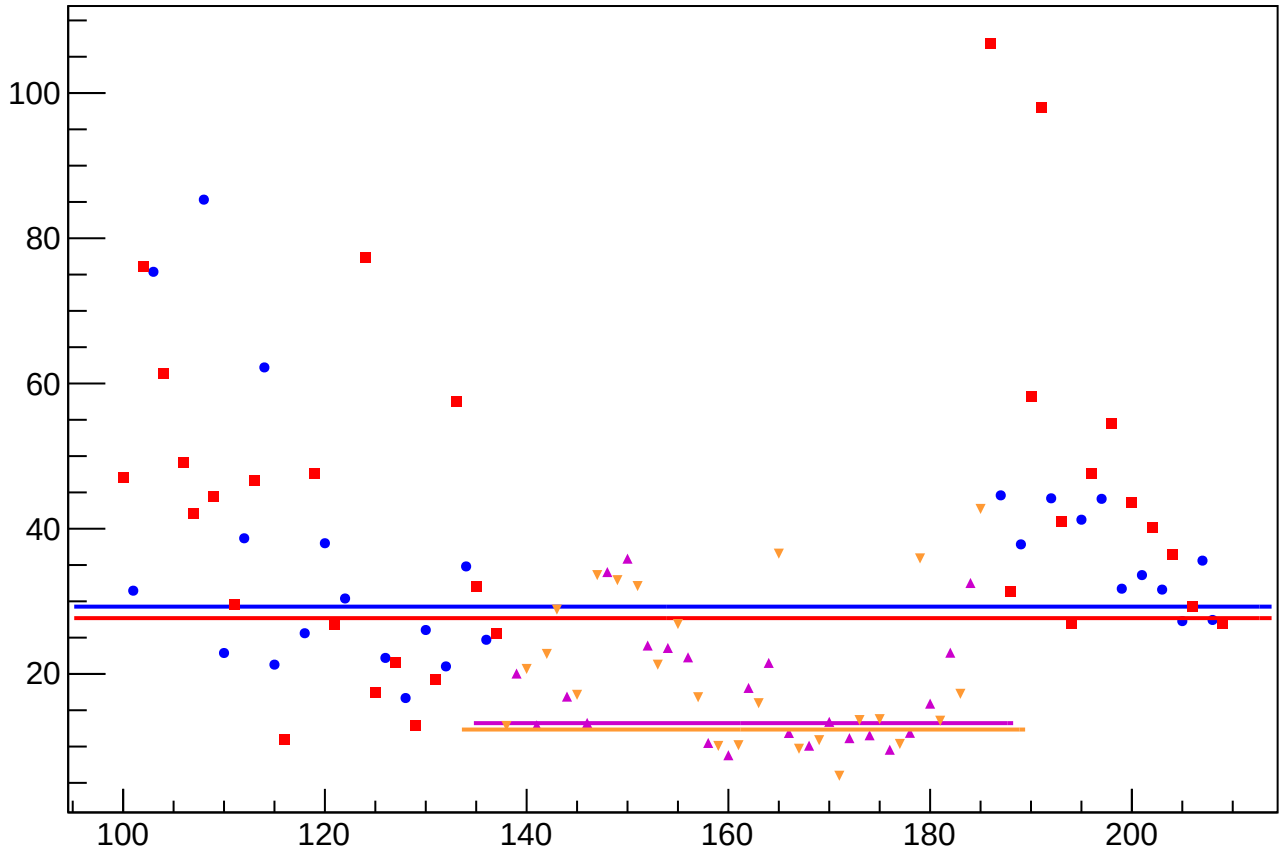
Right Out: 0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.7/106

- sign 0.006+/-0.003 χ^2/NDF: 57.8/54



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

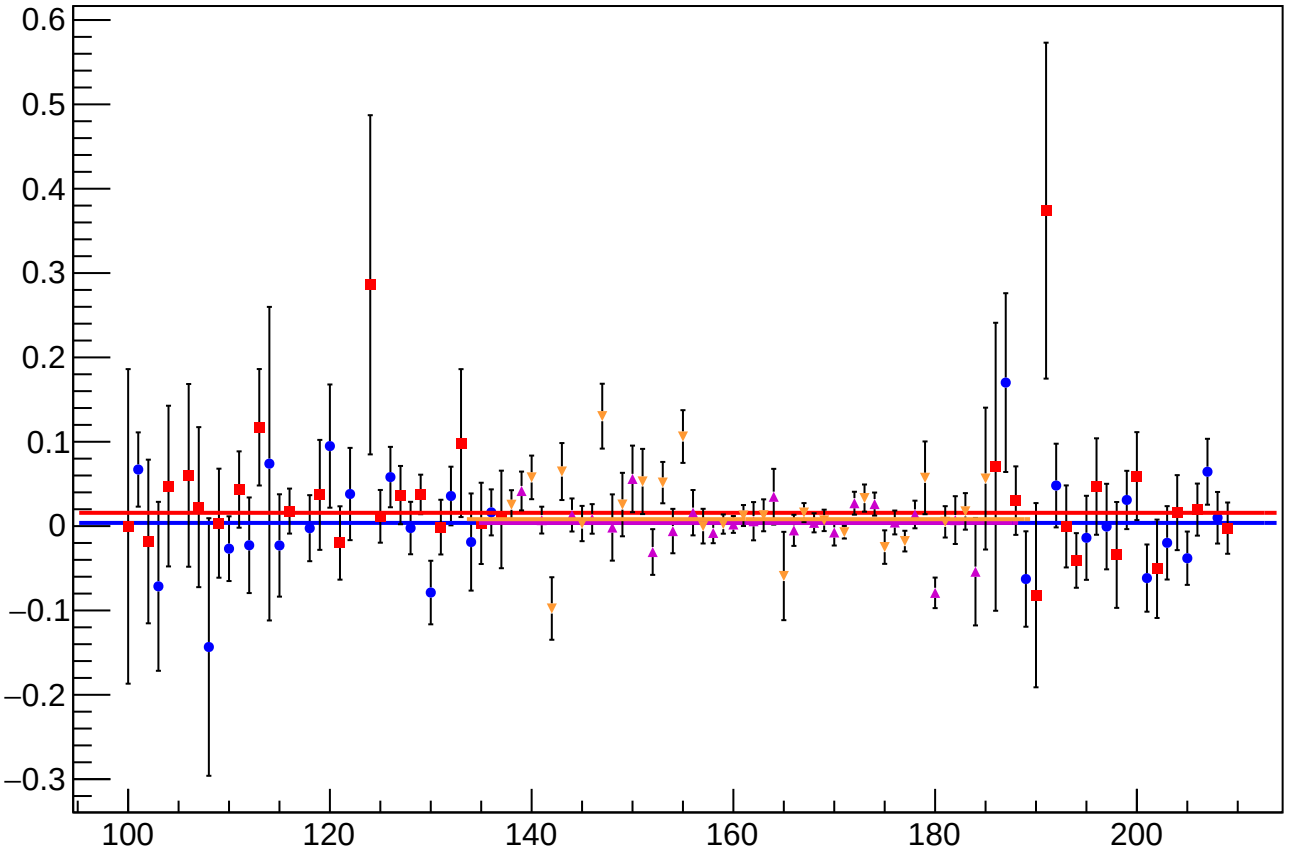
Right Out: 27.686+/-0.006 χ^2/NDF: 5715815.0/31

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024935.2/51

All: 15.211+/-0.002 χ^2/NDF: 30923267.5/106

- sign 15.623+/-0.002 χ^2/NDF: 14839019.1/54



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

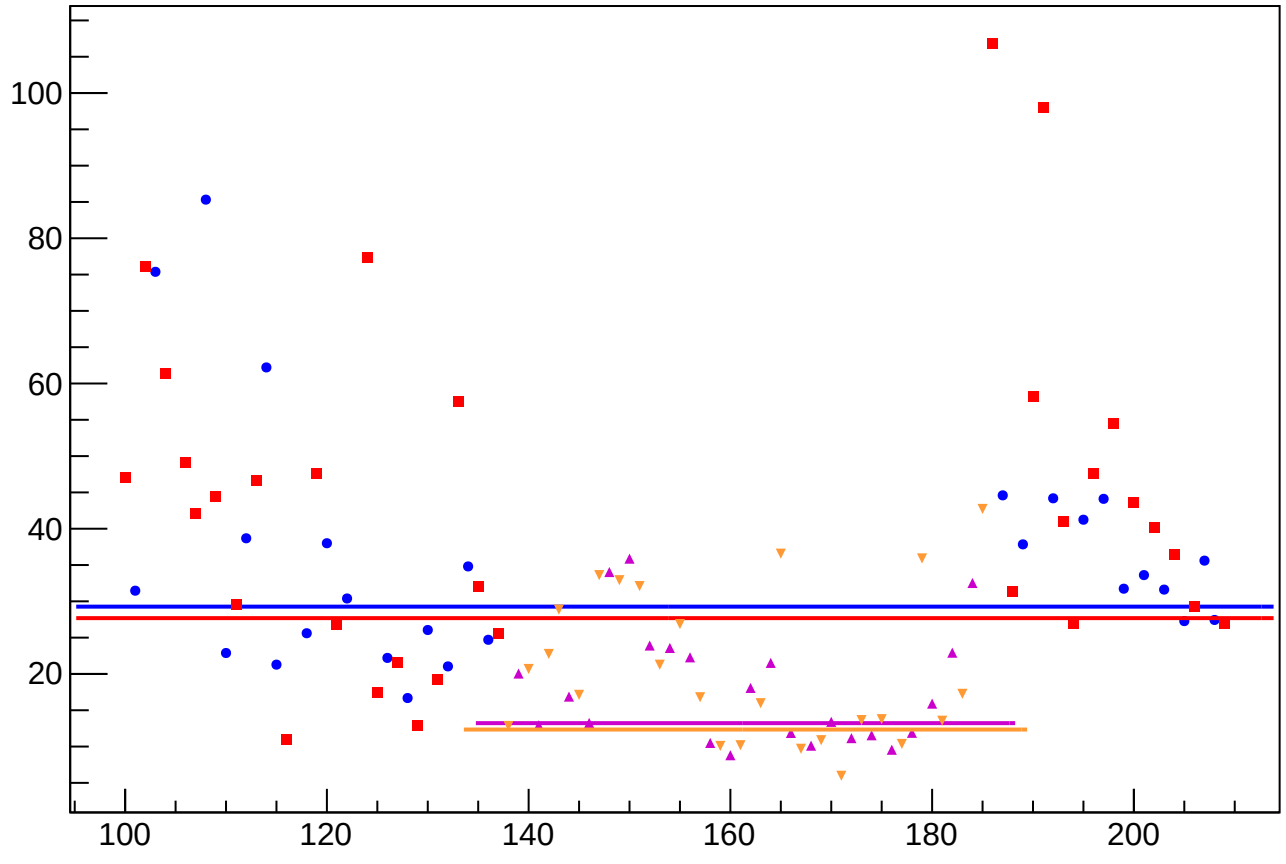
Right Out: 0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 86.7/51

All: 0.007+/-0.002 χ^2/NDF: 144.7/106

- sign 0.006+/-0.003 χ^2/NDF: 57.8/54



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

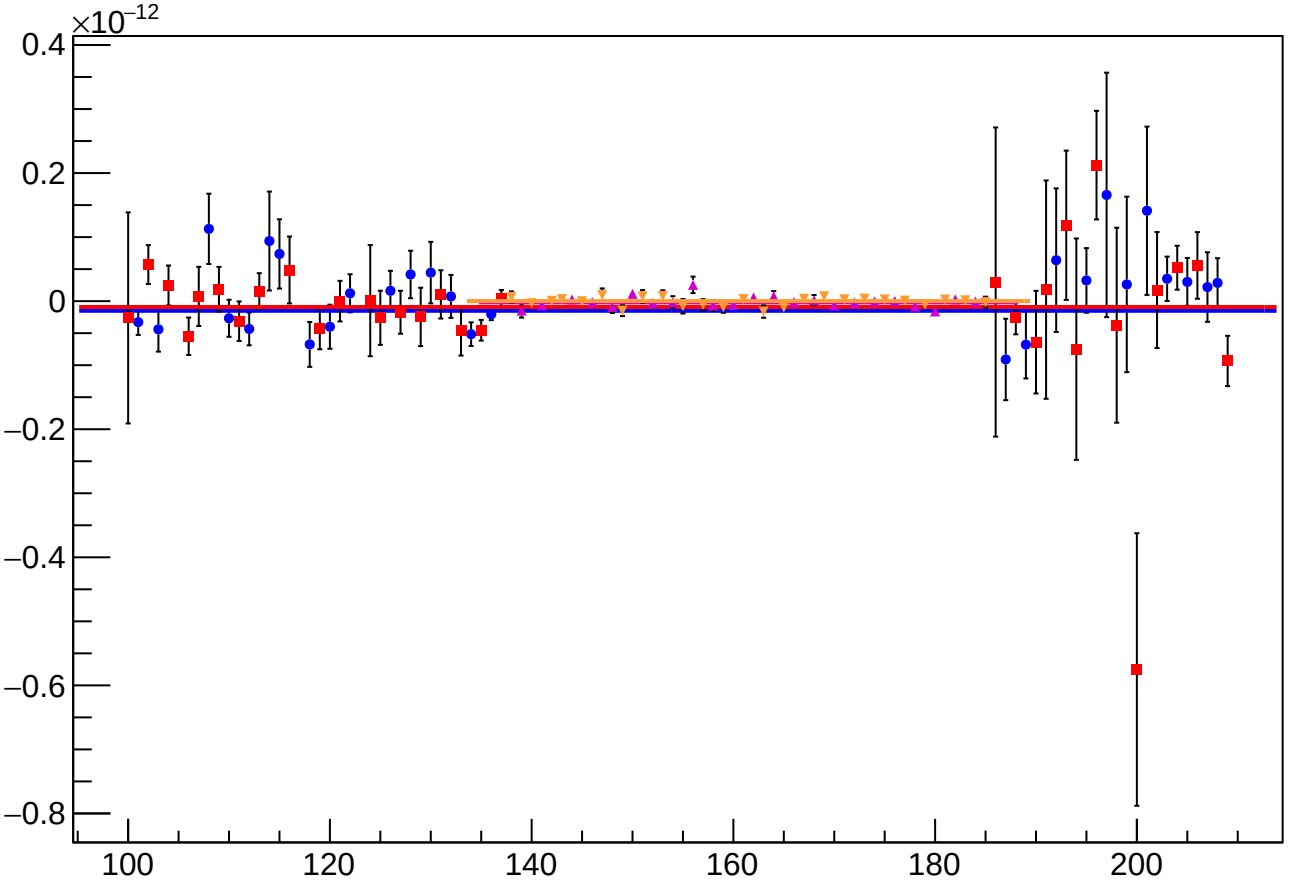
Right Out: 27.686+/-0.006 χ^2/NDF: 5715815.0/31

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.830+/-0.002 χ^2/NDF: 16024935.2/51

All: 15.211+/-0.002 χ^2/NDF: 30923267.5/106

- sign 15.623+/-0.002 χ^2/NDF: 14839019.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

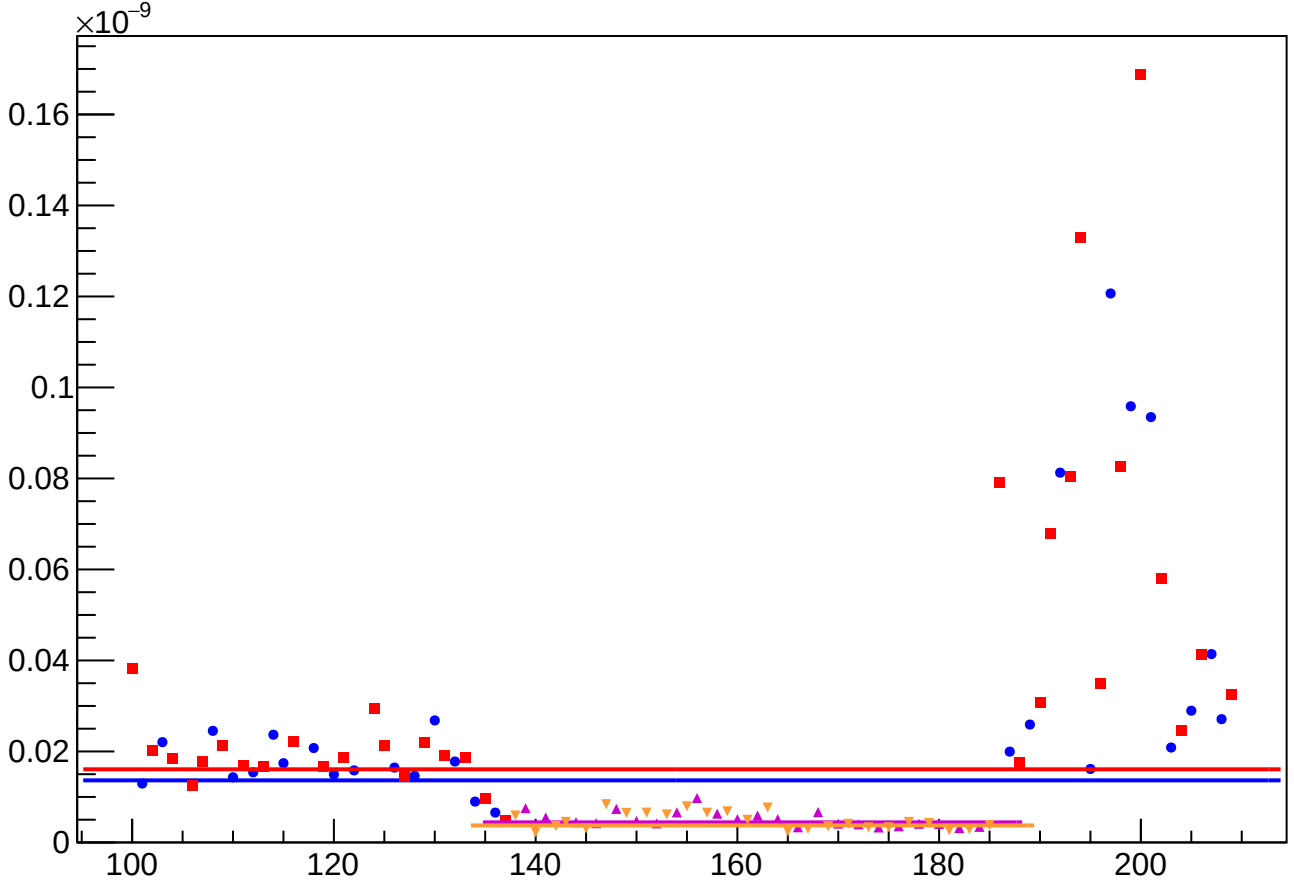
Right Out: -0.000+/-0.000 χ^2/NDF: 46.0/31

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.1/51

All: -0.000+/-0.000 χ^2/NDF: 139.9/106

- sign -0.000+/-0.000 χ^2/NDF: 72.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 5993144.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6776184.3/31

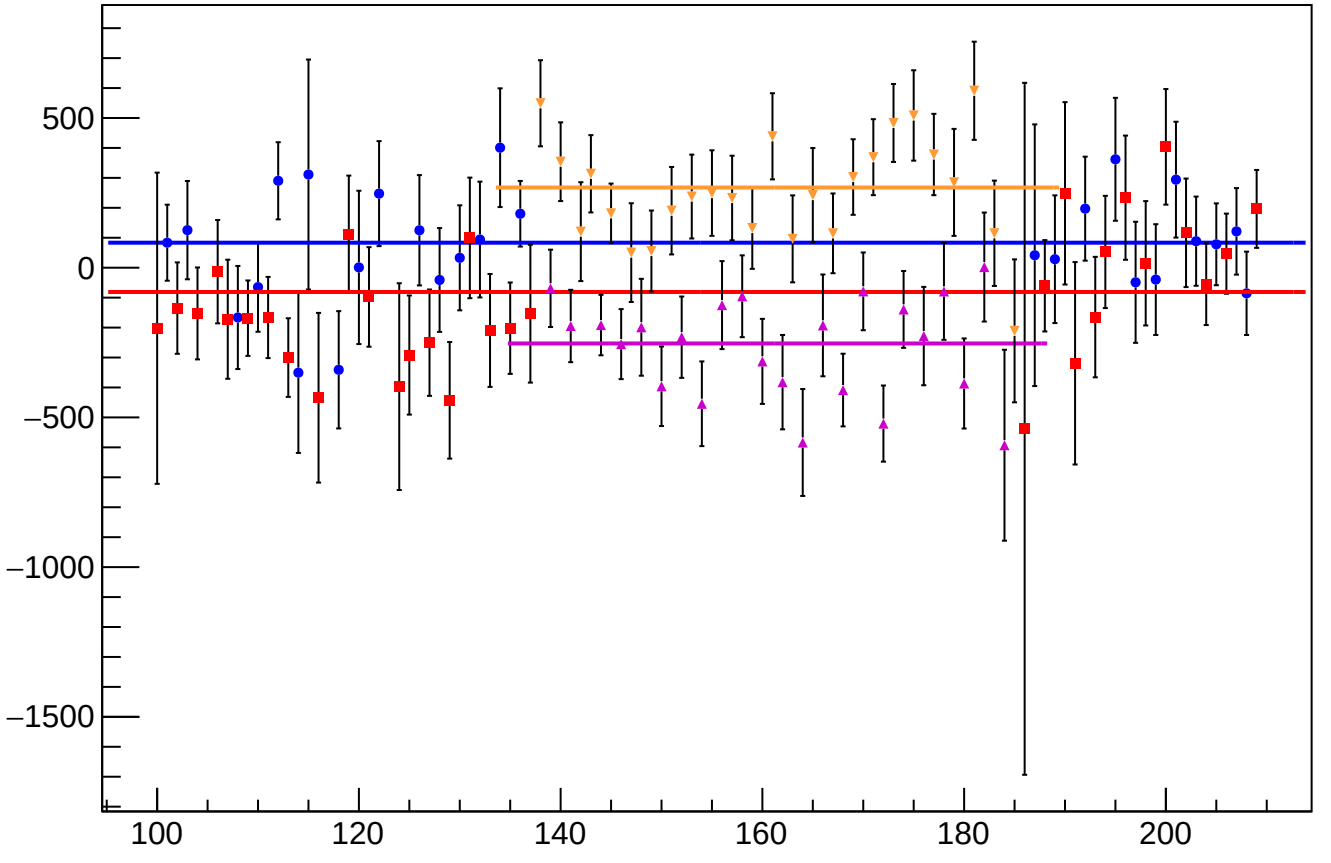
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14959394.4/51

All: 0.000+/-0.000 χ^2/NDF: 30591367.2/106

- sign 0.000+/-0.000 χ^2/NDF: 15229618.8/54

reg_asym_sam_48_dd_mean vs Slug



Right In: 83.536+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -81.069+/-31.727 χ^2/NDF: 33.3/31

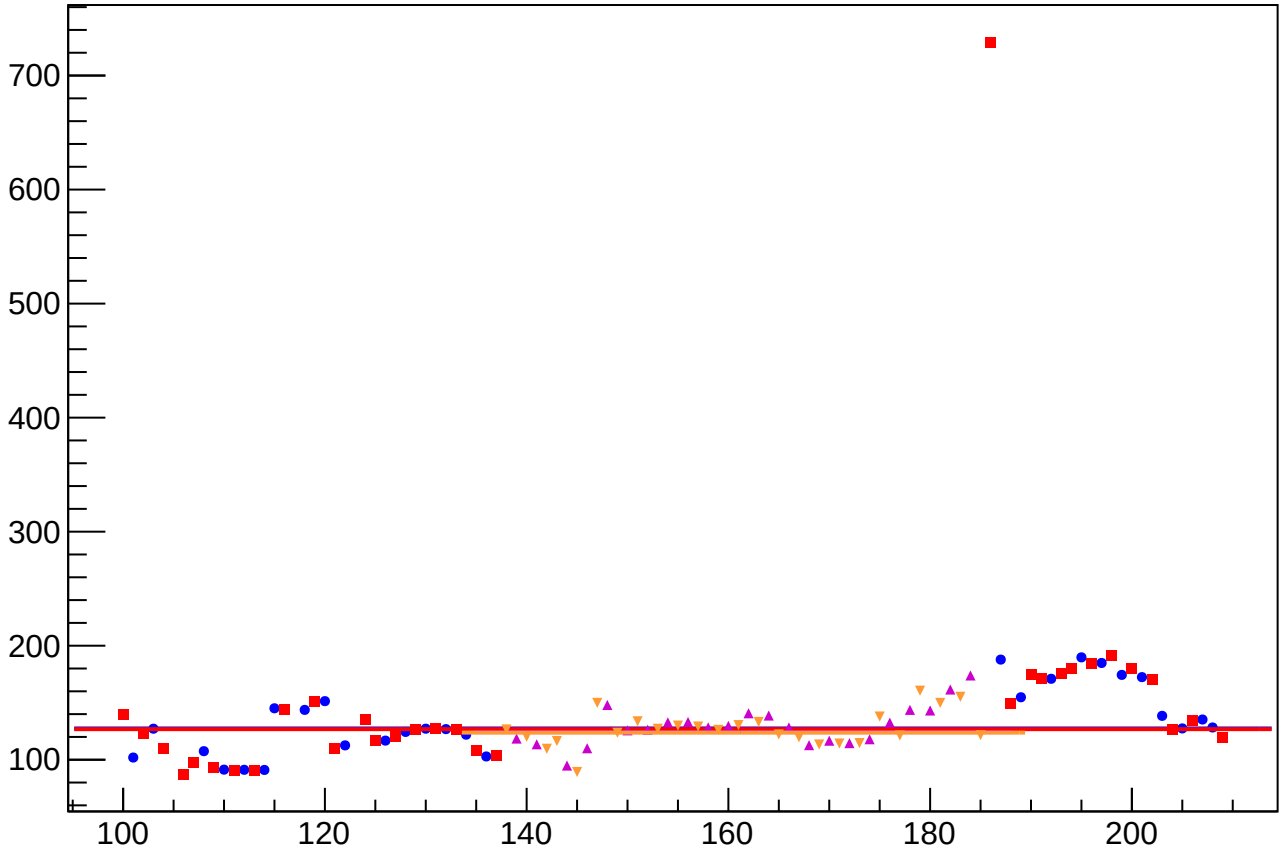
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 188.982+/-21.491 χ^2/NDF: 73.3/51

All: 7.901+/-15.210 χ^2/NDF: 290.9/106

- sign -173.851+/-21.530 χ^2/NDF: 75.3/54

reg_asym_sam_48_dd_rms vs Slug



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.823+/-0.022 χ^2/NDF: 2317450.2/31

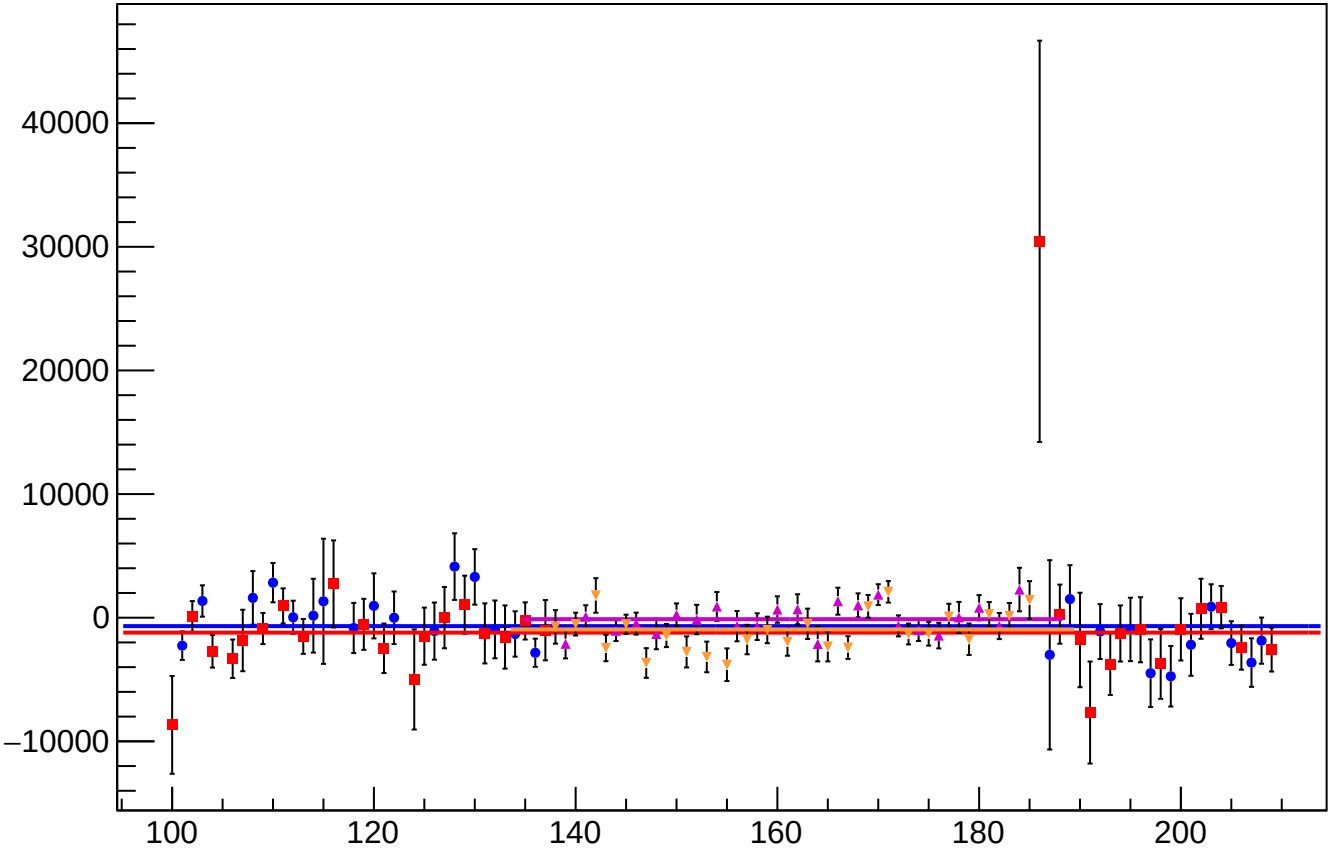
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.344+/-0.015 χ^2/NDF: 1988353.6/51

All: 125.392+/-0.011 χ^2/NDF: 4870087.0/106

- sign 125.440+/-0.015 χ^2/NDF: 2881713.7/54

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -682.107+/-372.479 χ^2/NDF: 31.4/26

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1205.273+/-357.561 χ^2/NDF: 26.3/31

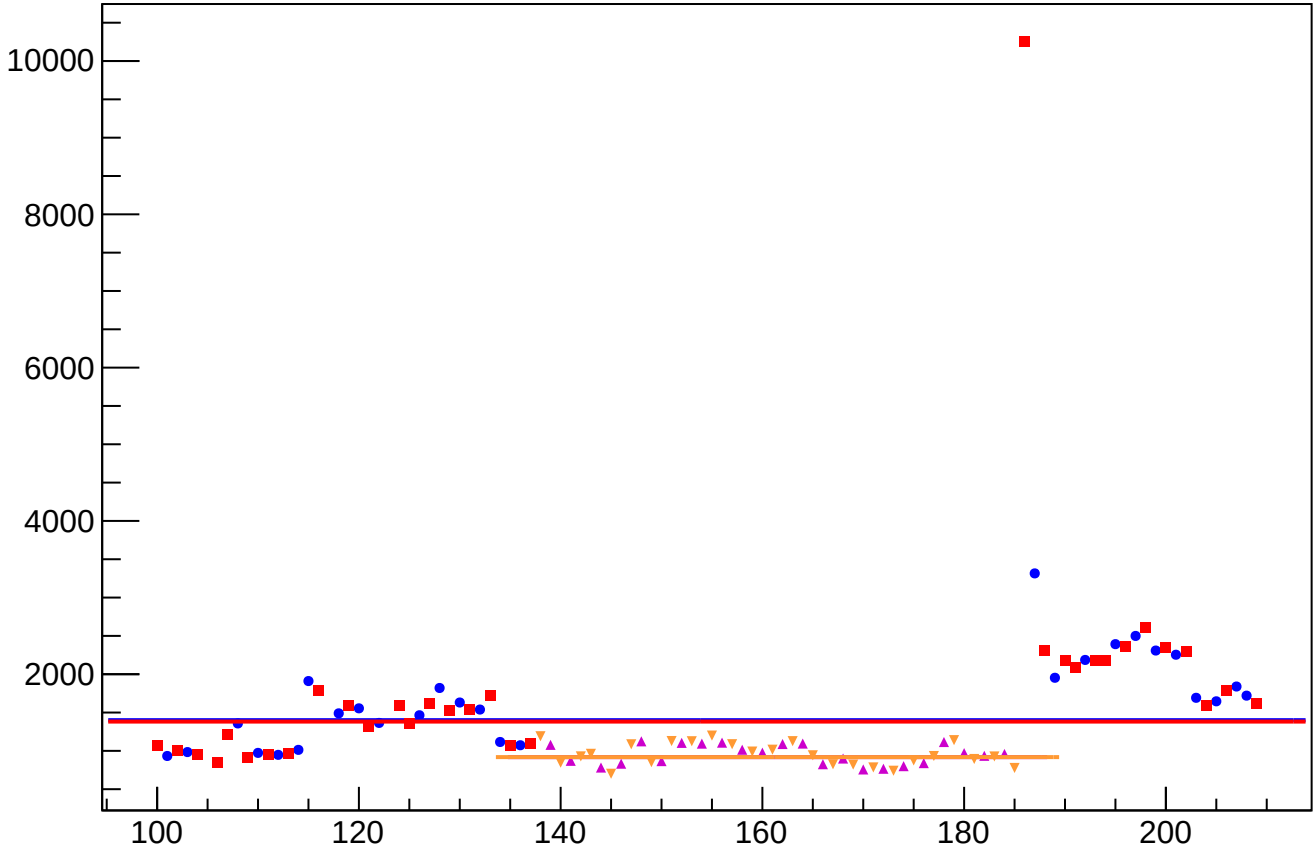
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -882.826+/-184.112 χ^2/NDF: 82.0/51

All: -648.981+/-130.714 χ^2/NDF: 142.7/106

- sign -411.307+/-185.613 χ^2/NDF: 57.4/54

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1400.731+/-0.263 χ^2/NDF: 3109294.0/26

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

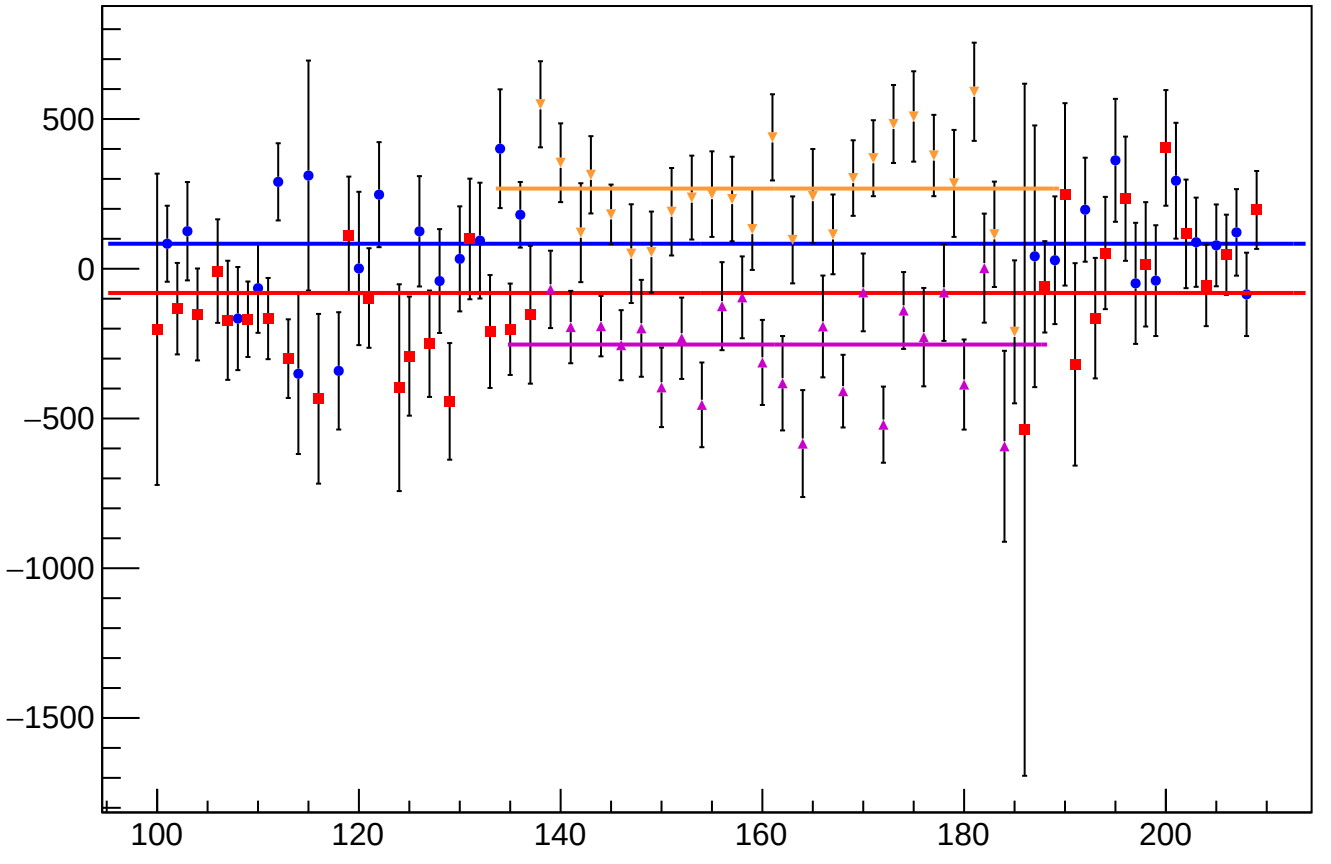
Right Out: 1382.087+/-0.253 χ^2/NDF: 4440826.0/31

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1036.320+/-0.130 χ^2/NDF: 6530324.3/51

All: 1039.740+/-0.092 χ^2/NDF: 14097826.1/1

- sign 1043.215+/-0.131 χ^2/NDF: 7566110.3/54



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -80.821+/-31.730 χ^2/NDF: 33.3/31

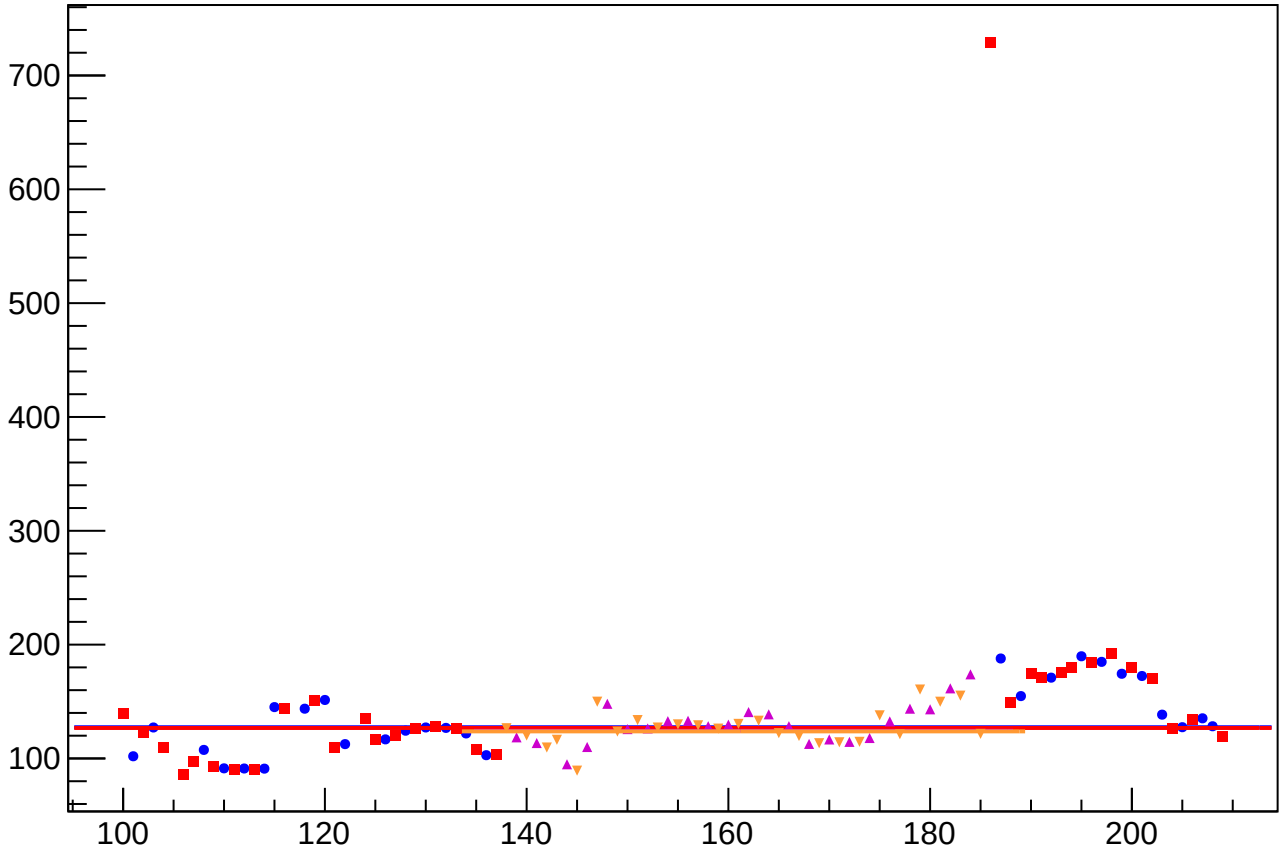
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 188.984+/-21.491 χ^2/NDF: 73.3/51

All: 7.962+/-15.211 χ^2/NDF: 290.9/106

- sign -173.745+/-21.531 χ^2/NDF: 75.4/54

cor_asym_sam_48_dd_rms vs Slug



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.792+/-0.022 χ^2/NDF: 2323215.7/31

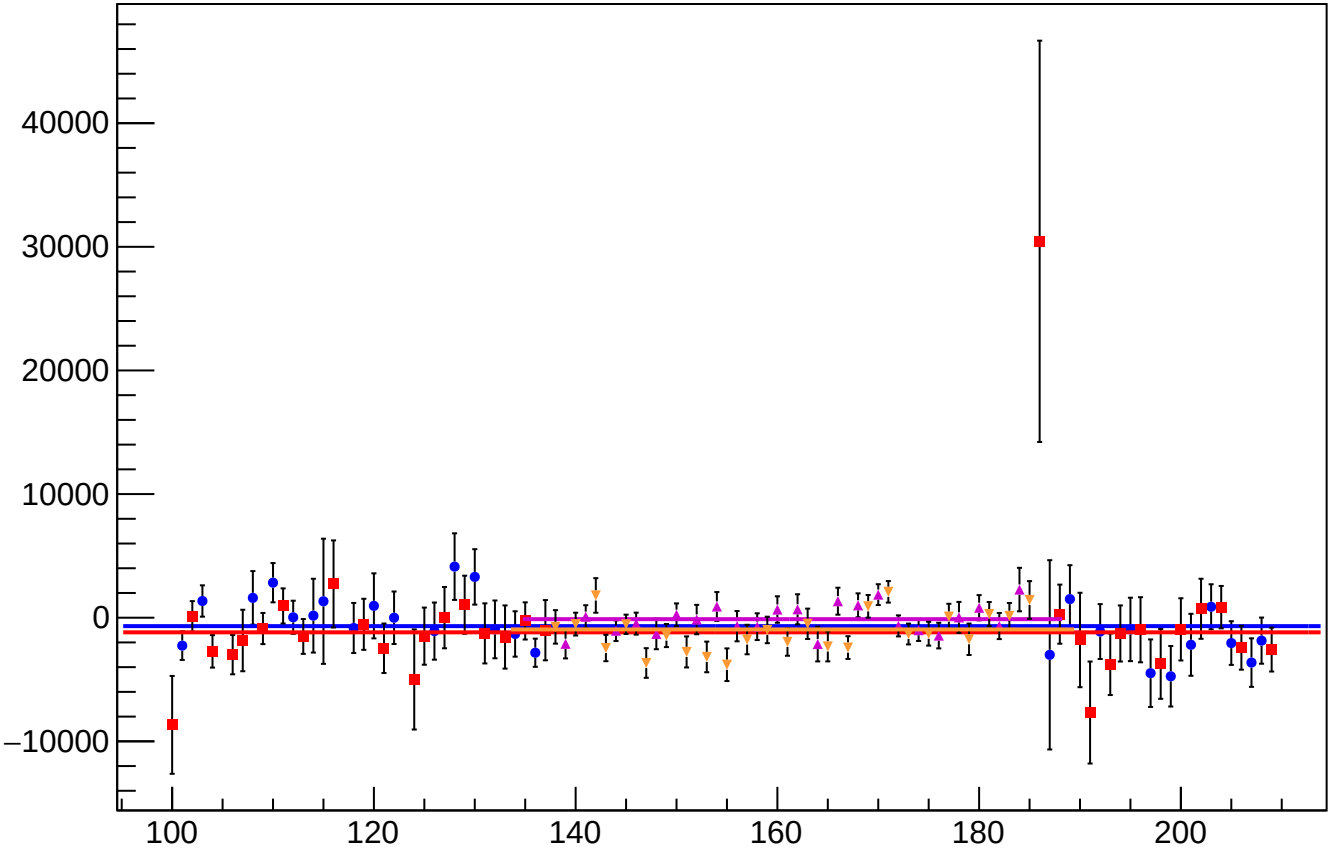
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.344+/-0.015 χ^2/NDF: 1988353.8/51

All: 125.385+/-0.011 χ^2/NDF: 4875675.7/106

- sign 125.425+/-0.015 χ^2/NDF: 2887307.8/54

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1183.550+/-358.005 χ^2/NDF: 25.7/31

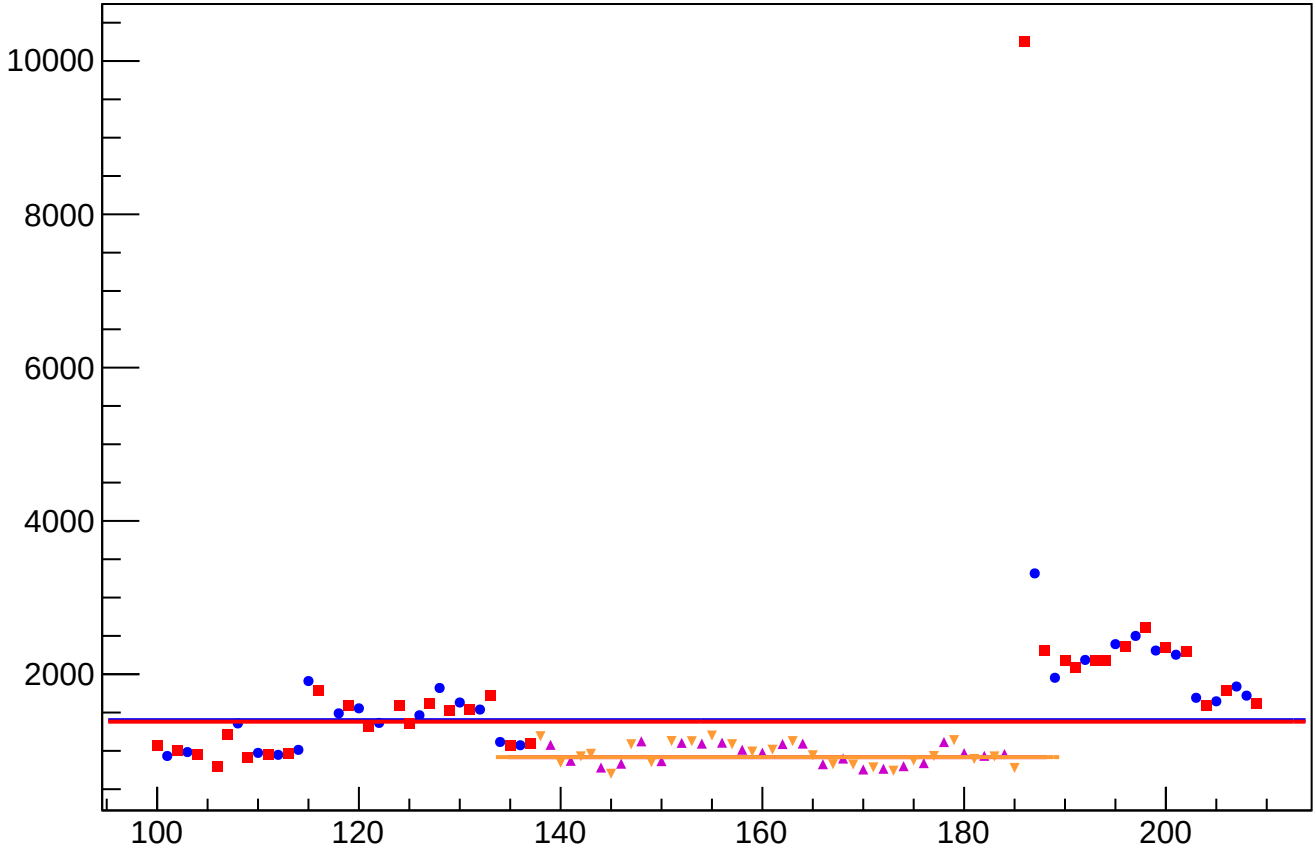
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -882.834+/-184.112 χ^2/NDF: 82.0/51

All: -645.905+/-130.736 χ^2/NDF: 141.9/106

- sign -404.936+/-185.675 χ^2/NDF: 56.5/54

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1380.881+/-0.253 χ^2/NDF: 4474186.1/31

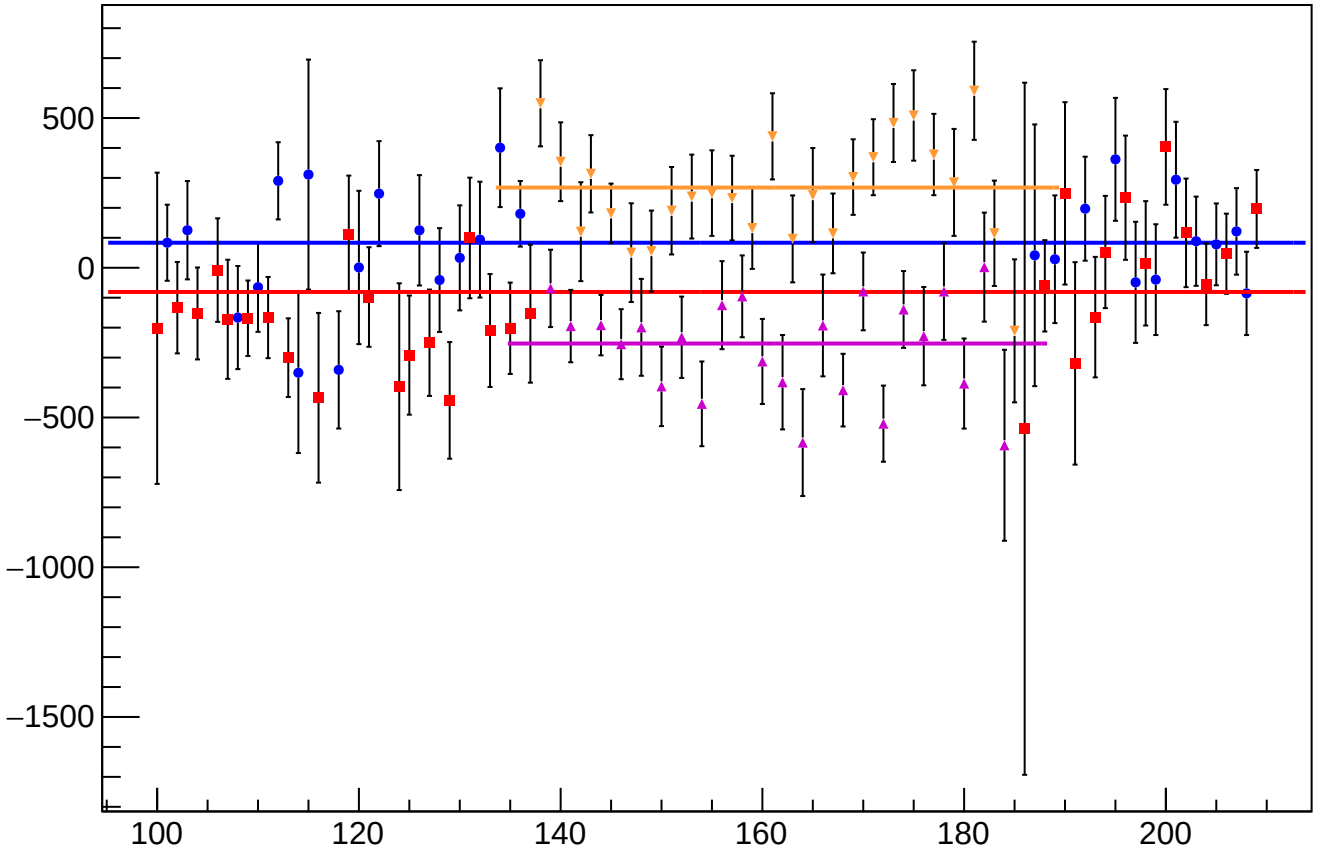
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1036.321+/-0.130 χ^2/NDF: 6530315.4/51

All: 1039.466+/-0.092 χ^2/NDF: 14113758.7/1

- sign 1042.665+/-0.131 χ^2/NDF: 7582266.1/54

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -80.821+/-31.730 χ^2/NDF: 33.3/31

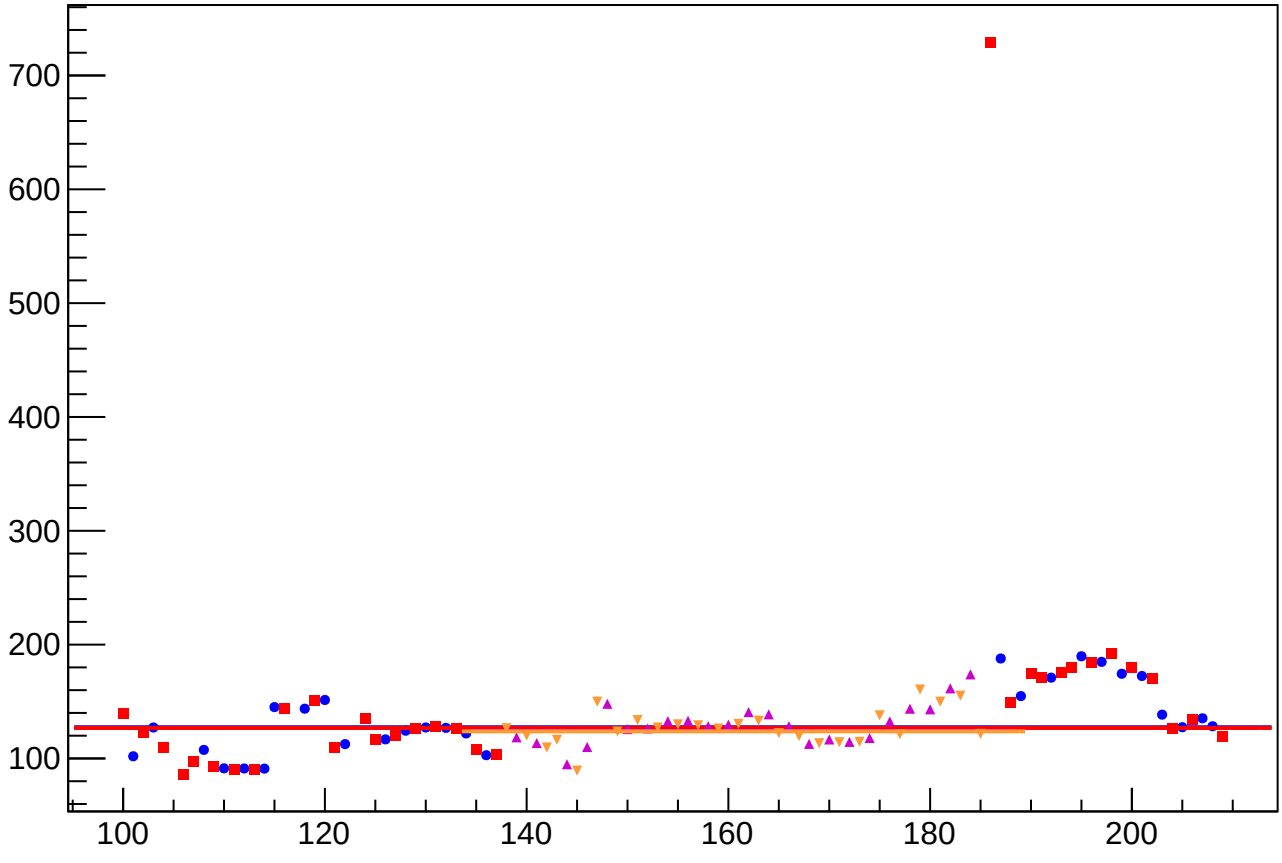
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 188.984+/-21.491 χ^2/NDF: 73.3/51

All: 7.962+/-15.211 χ^2/NDF: 290.9/106

- sign -173.745+/-21.531 χ^2/NDF: 75.4/54

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

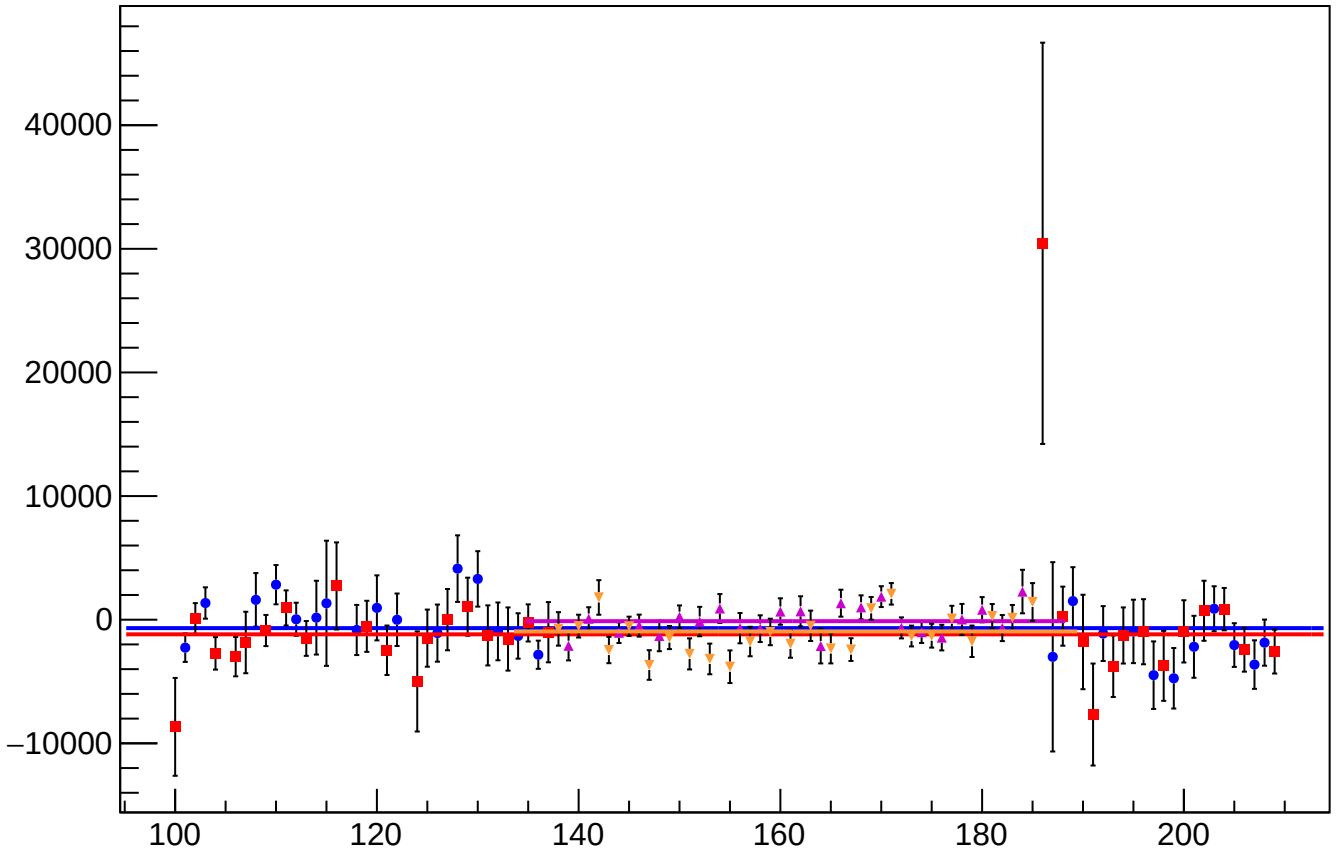
Right Out: 126.792+/-0.022 χ^2/NDF: 2323215.7/31

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.344+/-0.015 χ^2/NDF: 1988353.8/51

All: 125.385+/-0.011 χ^2/NDF: 4875675.7/106

- sign 125.425+/-0.015 χ^2/NDF: 2887307.8/54



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1183.550+/-358.005 χ^2/NDF: 25.7/31

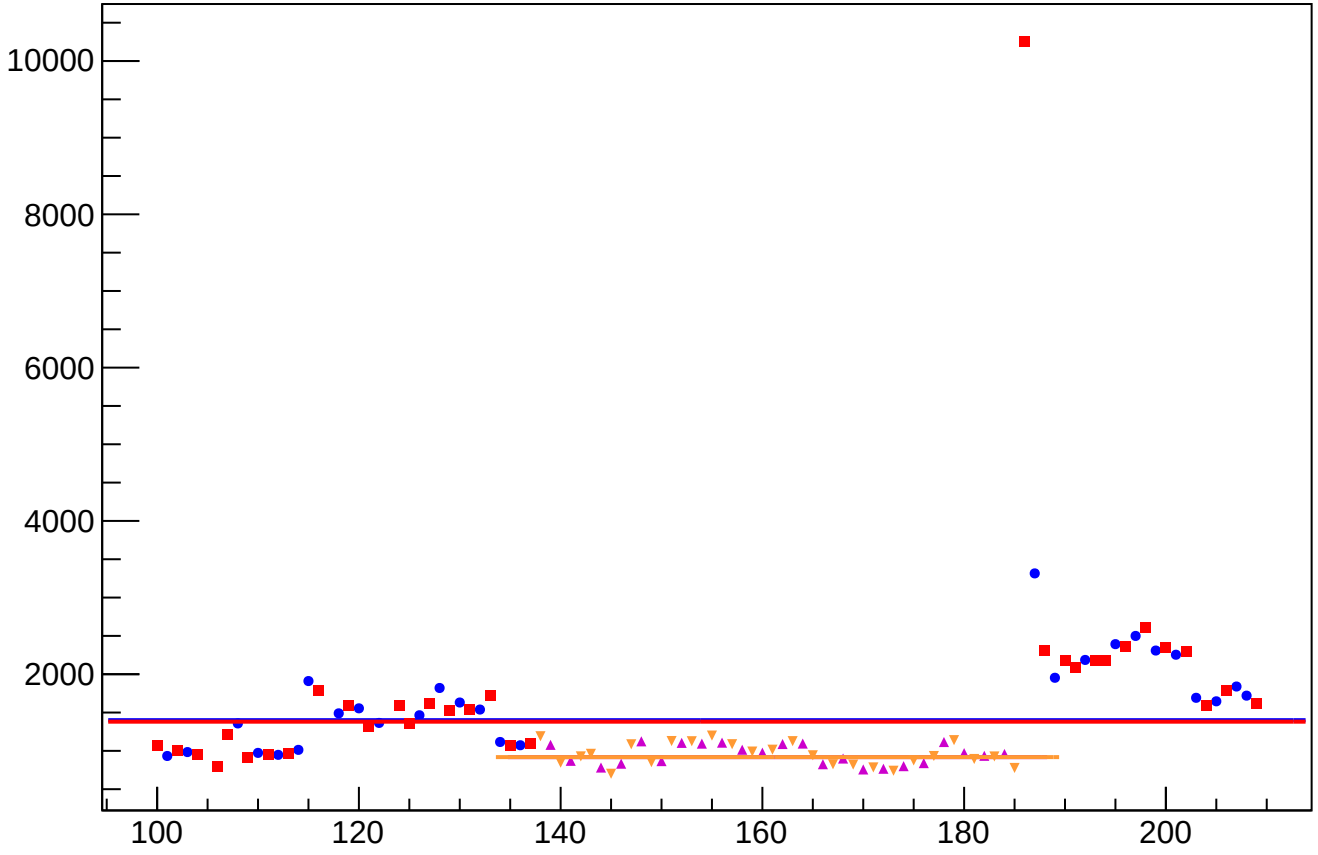
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -882.834+/-184.112 χ^2/NDF: 82.0/51

All: -645.905+/-130.736 χ^2/NDF: 141.9/106

- sign -404.936+/-185.675 χ^2/NDF: 56.5/54

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1380.881+/-0.253 χ^2/NDF: 4474186.1/31

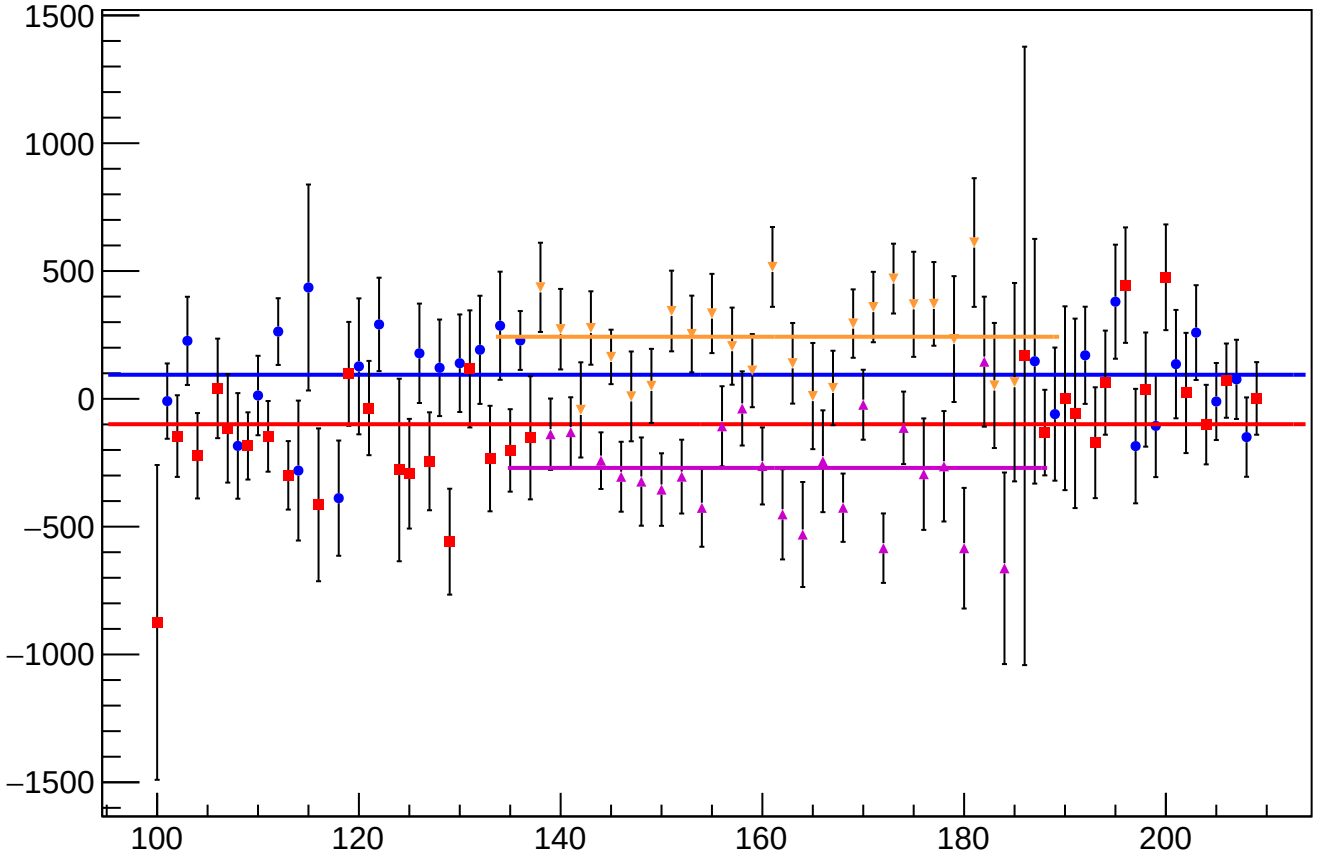
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1036.321+/-0.130 χ^2/NDF: 6530315.4/51

All: 1039.466+/-0.092 χ^2/NDF: 14113758.7/1

- sign 1042.665+/-0.131 χ^2/NDF: 7582266.1/54

dit_asym_sam_48_dd_mean vs Slug



Right In: 94.224+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -99.249+/-34.271 χ^2/NDF: 33.0/31

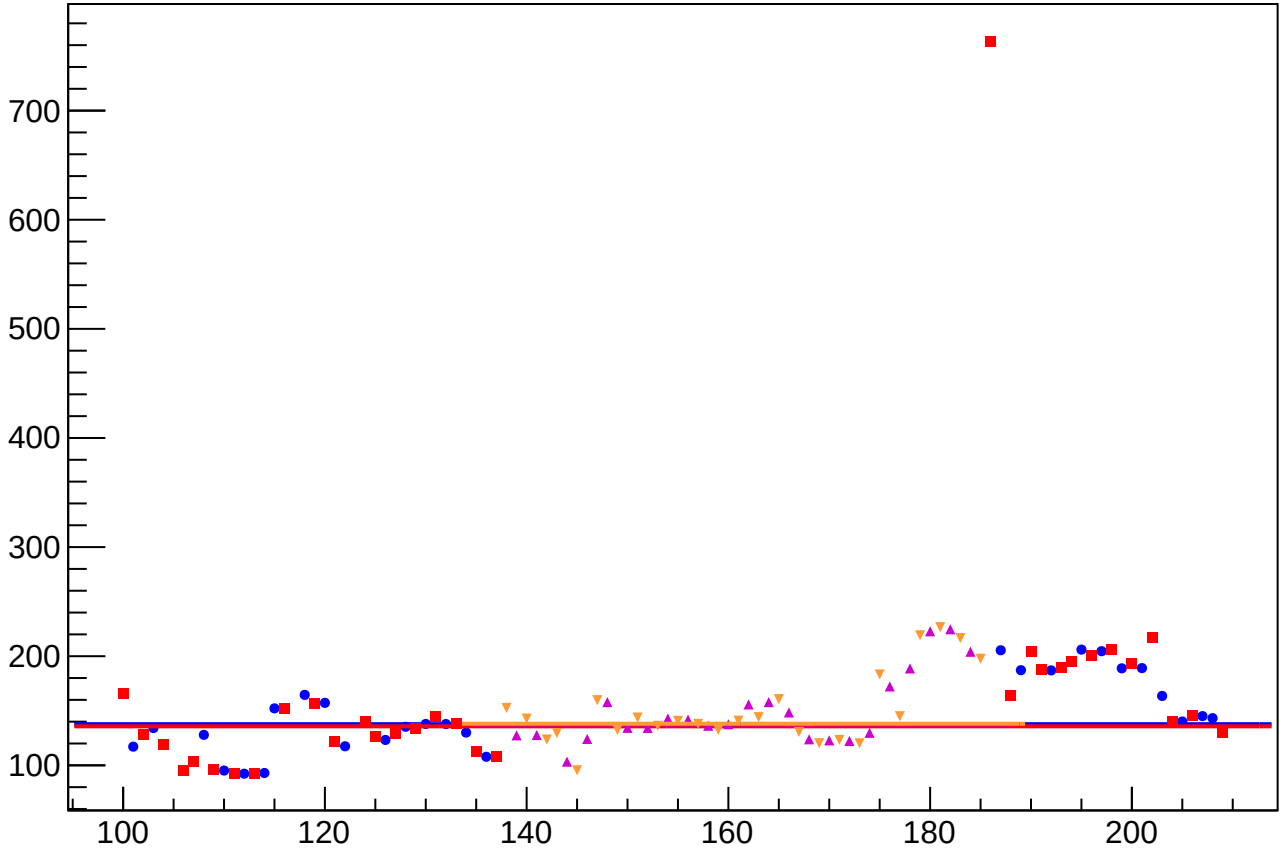
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 176.610+/-23.925 χ^2/NDF: 57.6/51

All: -7.303+/-16.848 χ^2/NDF: 247.4/106

- sign -188.252+/-23.731 χ^2/NDF: 72.7/54

dit_asym_sam_48_dd_rms vs Slug



Right In: 137.728+/-0.025 χ^2/NDF: 1612040.4/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

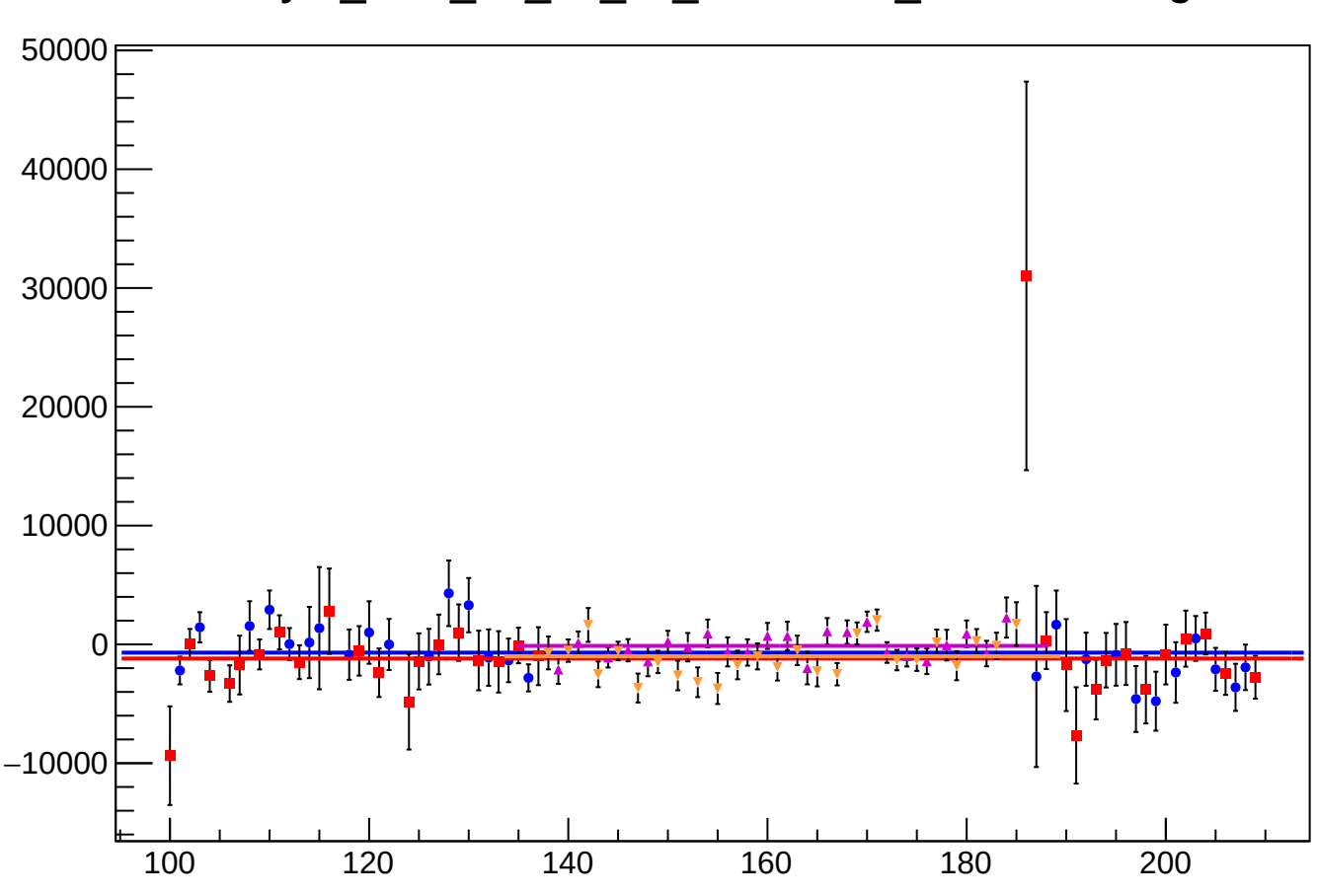
Right Out: 135.722+/-0.024 χ^2/NDF: 2632584.1/31

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.949+/-0.017 χ^2/NDF: 2950486.6/51

All: 137.291+/-0.012 χ^2/NDF: 6698184.9/106

- sign 136.643+/-0.017 χ^2/NDF: 3744692.4/54



Right In: -693.087+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1186.531+/-360.222 χ^2/NDF: 26.6/31

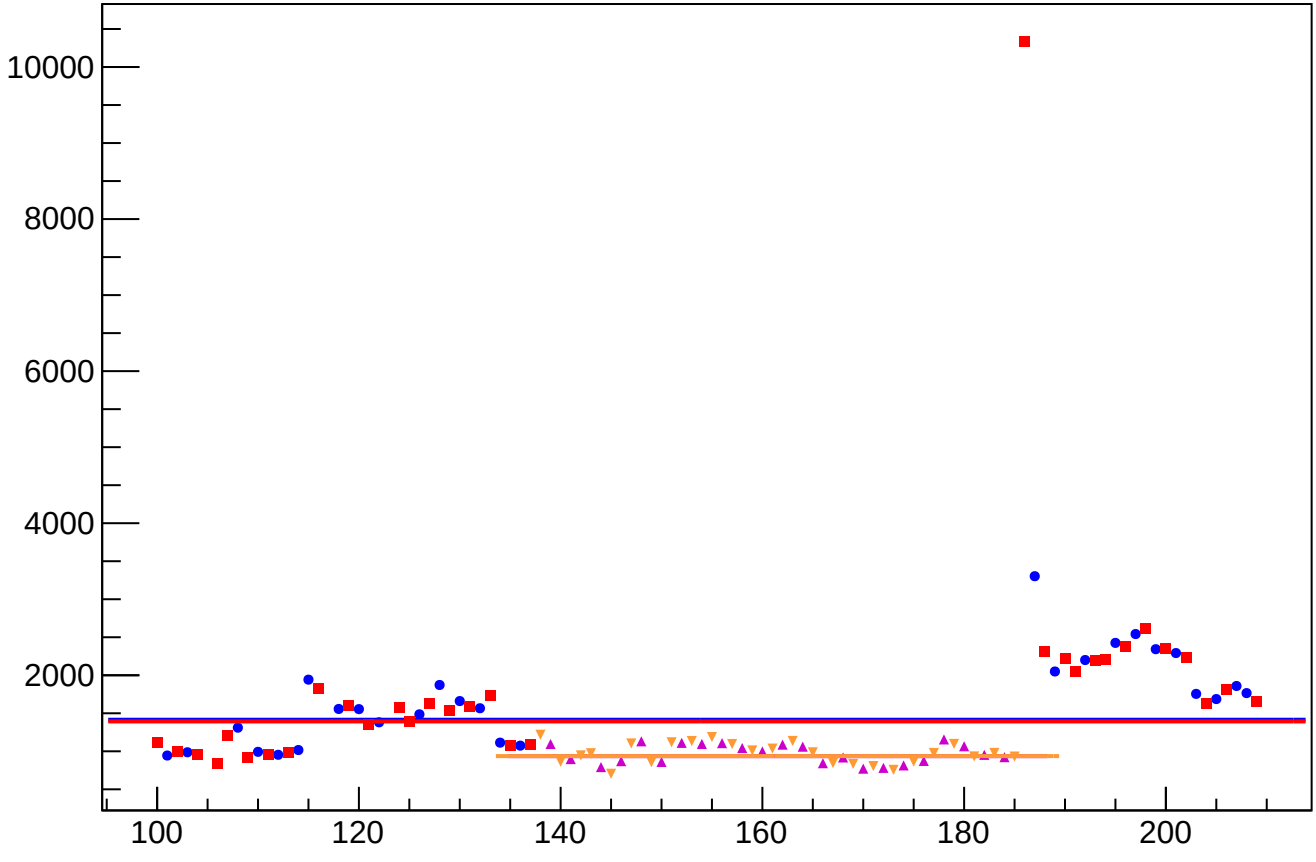
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -919.178+/-187.166 χ^2/NDF: 78.6/51

All: -669.454+/-132.851 χ^2/NDF: 138.9/106

- sign -415.886+/-188.601 χ^2/NDF: 56.8/54

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1415.175+/-0.266 χ^2/NDF: 3211971.7/26

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1392.782+/-0.255 χ^2/NDF: 4448256.2/31

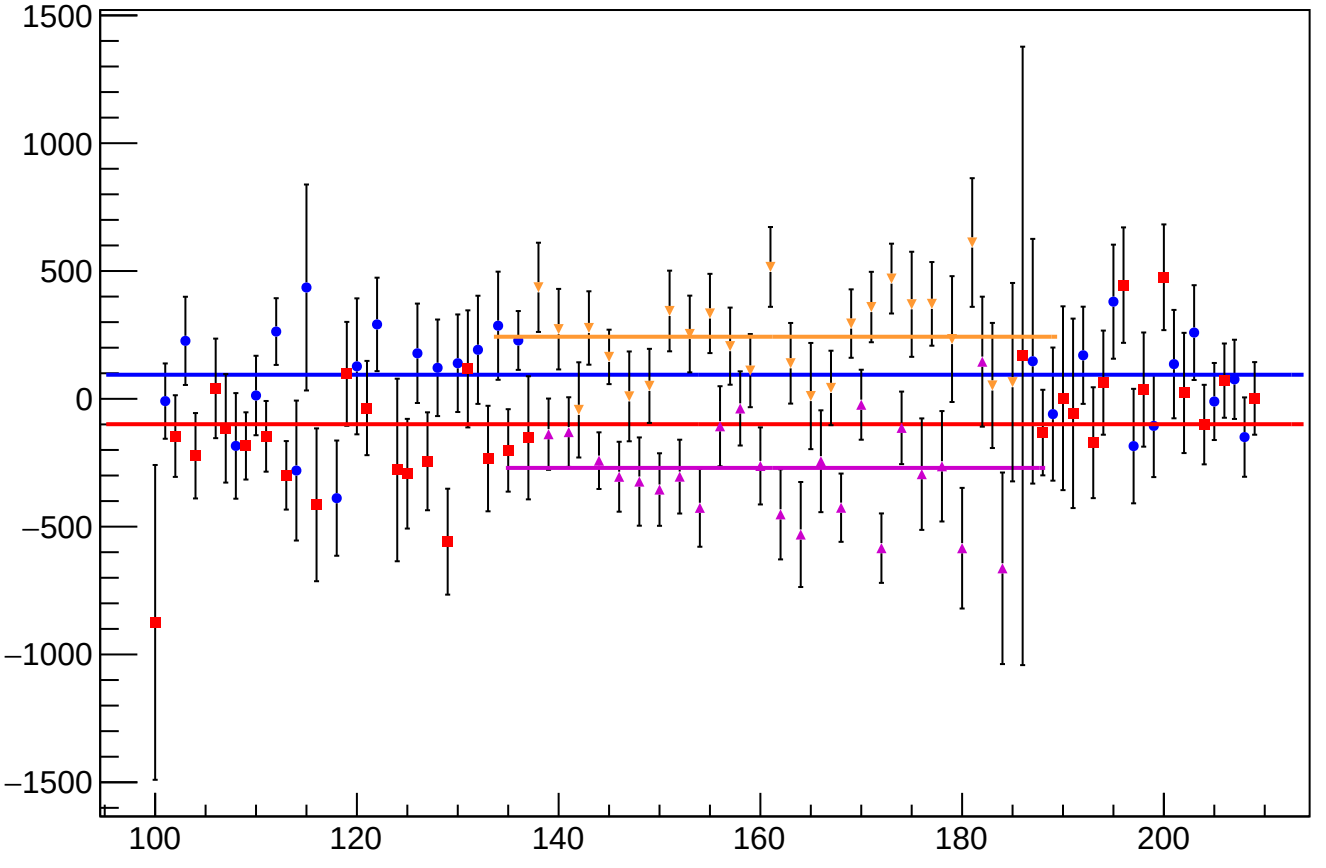
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1054.792+/-0.132 χ^2/NDF: 6473287.4/51

All: 1058.116+/-0.094 χ^2/NDF: 13896047.1/1

- sign 1061.491+/-0.133 χ^2/NDF: 7421488.6/54

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 94.226+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -99.248+/-34.271 χ^2/NDF: 33.0/31

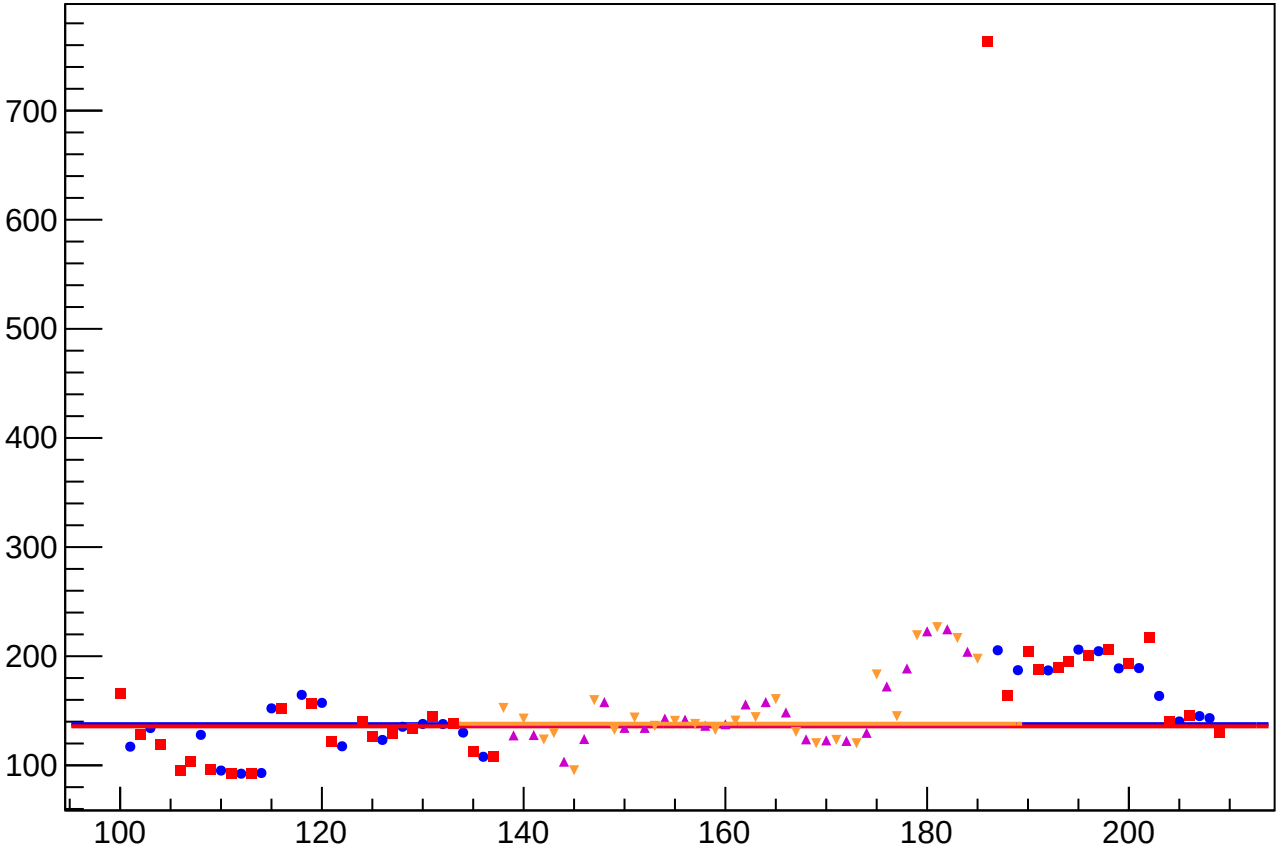
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 176.612+/-23.925 χ^2/NDF: 57.6/51

All: -7.303+/-16.848 χ^2/NDF: 247.4/106

- sign -188.252+/-23.731 χ^2/NDF: 72.7/54

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 137.728+/-0.025 χ^2/NDF: 1612028.5/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

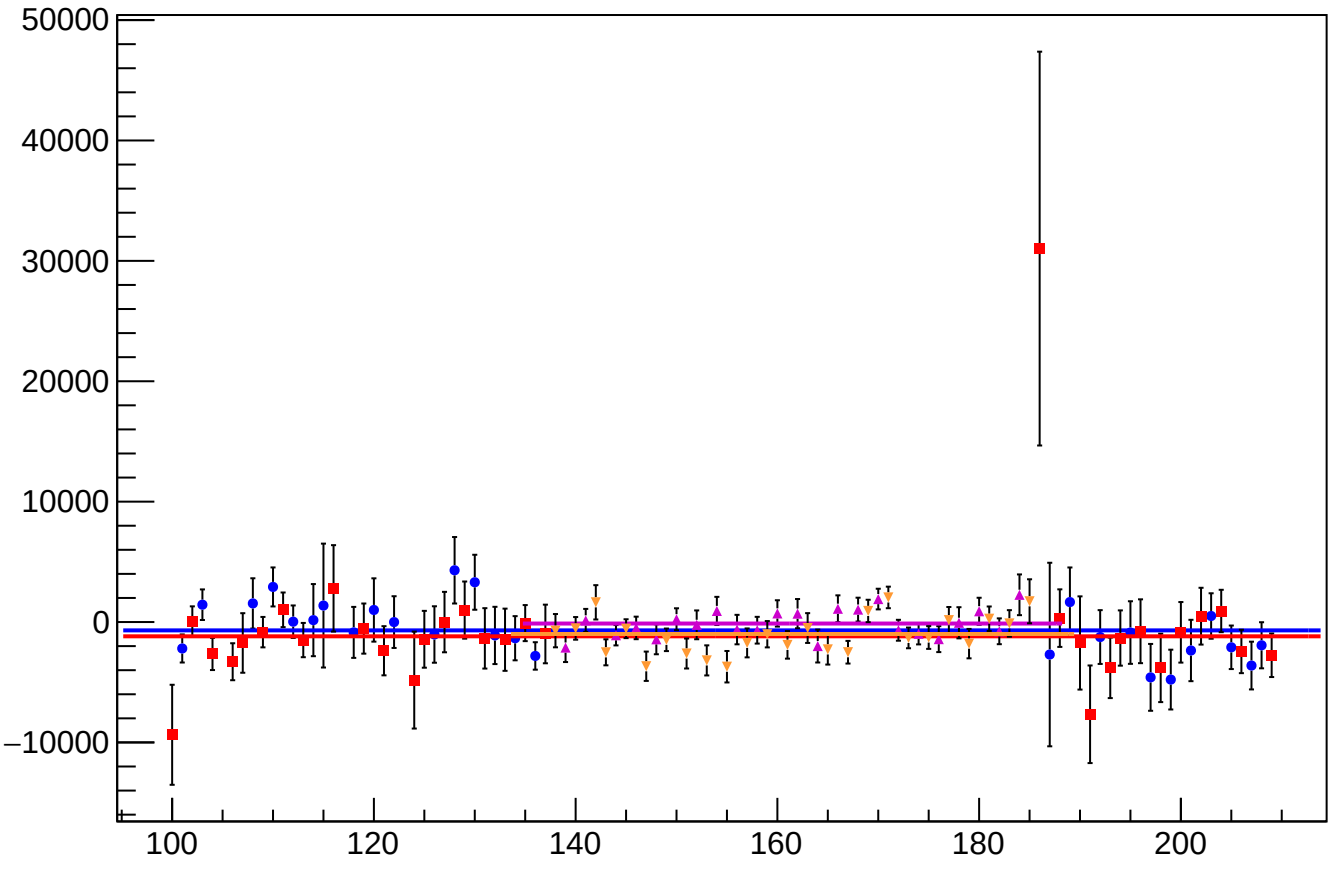
Right Out: 135.722+/-0.024 χ^2/NDF: 2632591.0/31

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.949+/-0.017 χ^2/NDF: 2950477.8/51

All: 137.291+/-0.012 χ^2/NDF: 6698169.2/106

- sign 136.643+/-0.017 χ^2/NDF: 3744685.5/54



Right In: -693.086+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1186.529+/-360.222 χ^2/NDF: 26.6/31

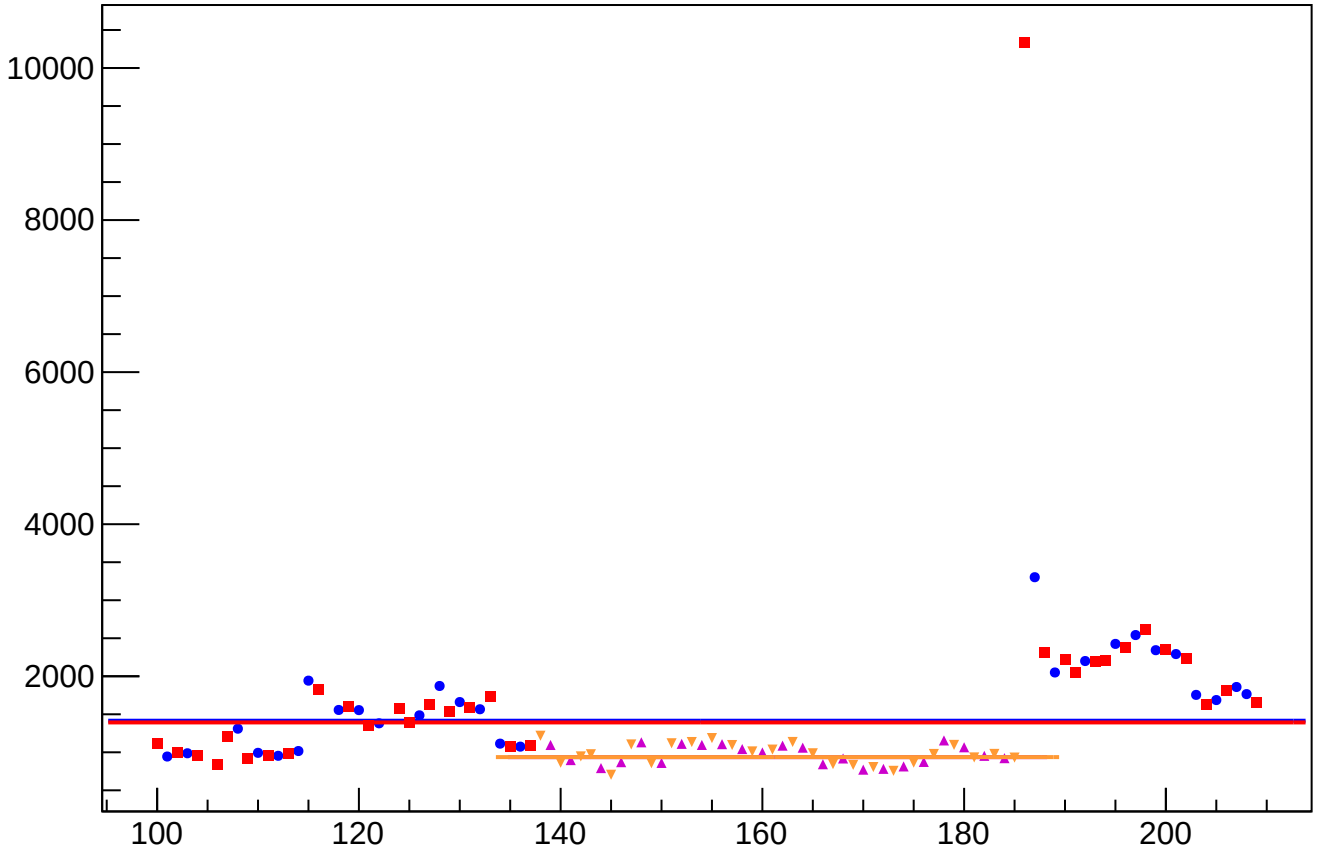
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -919.176+/-187.165 χ^2/NDF: 78.6/51

All: -669.453+/-132.850 χ^2/NDF: 138.9/106

- sign -415.885+/-188.601 χ^2/NDF: 56.8/54

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1415.174+/-0.266 χ^2/NDF: 3211966.1/26

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1392.782+/-0.255 χ^2/NDF: 4448249.3/31

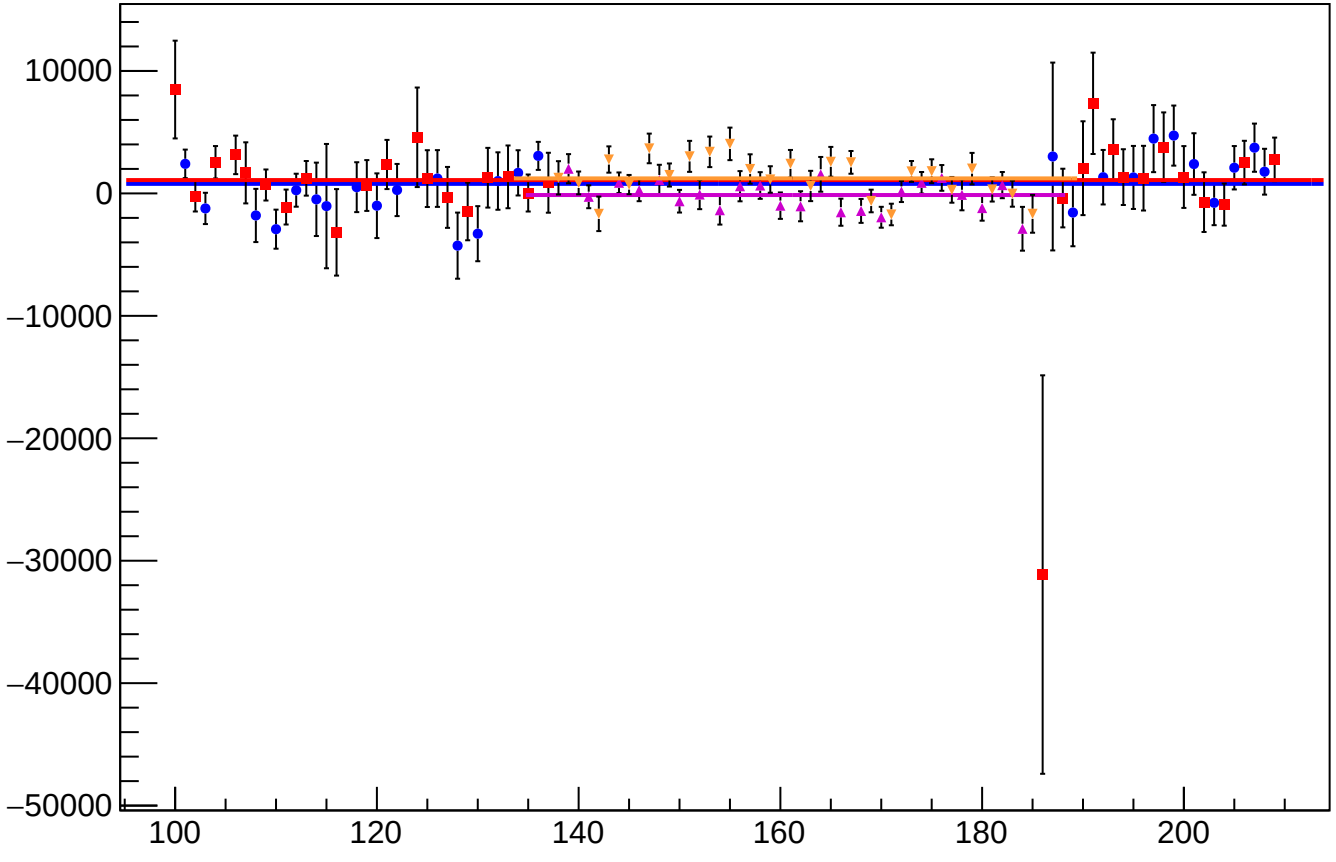
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1054.791+/-0.132 χ^2/NDF: 6473294.7/51

All: 1058.115+/-0.094 χ^2/NDF: 13896053.6/1

- sign 1061.490+/-0.133 χ^2/NDF: 7421487.7/54

asym_sam_48_dd_mean vs Slug



Right In: 779.668+/-374.222 χ^2/NDF: 32.8/26

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1088.498+/-359.298 χ^2/NDF: 26.7/31

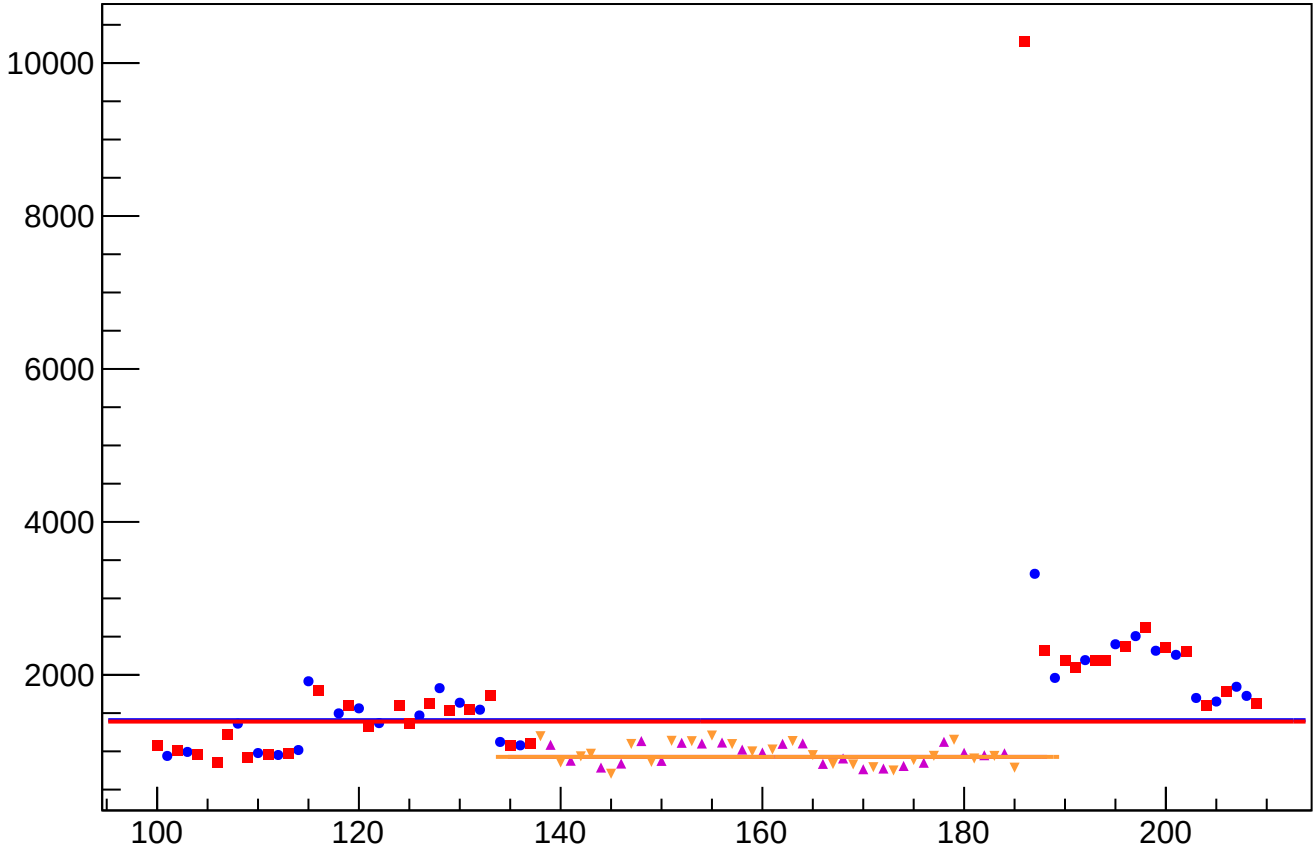
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1115.771+/-185.667 χ^2/NDF: 82.3/51

All: 660.898+/-131.816 χ^2/NDF: 155.4/106

- sign 198.614+/-187.174 χ^2/NDF: 60.9/54

asym_sam_48_dd_rms vs Slug



Right In: 1407.878+/-0.265 χ^2/NDF: 3085781.1/26

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

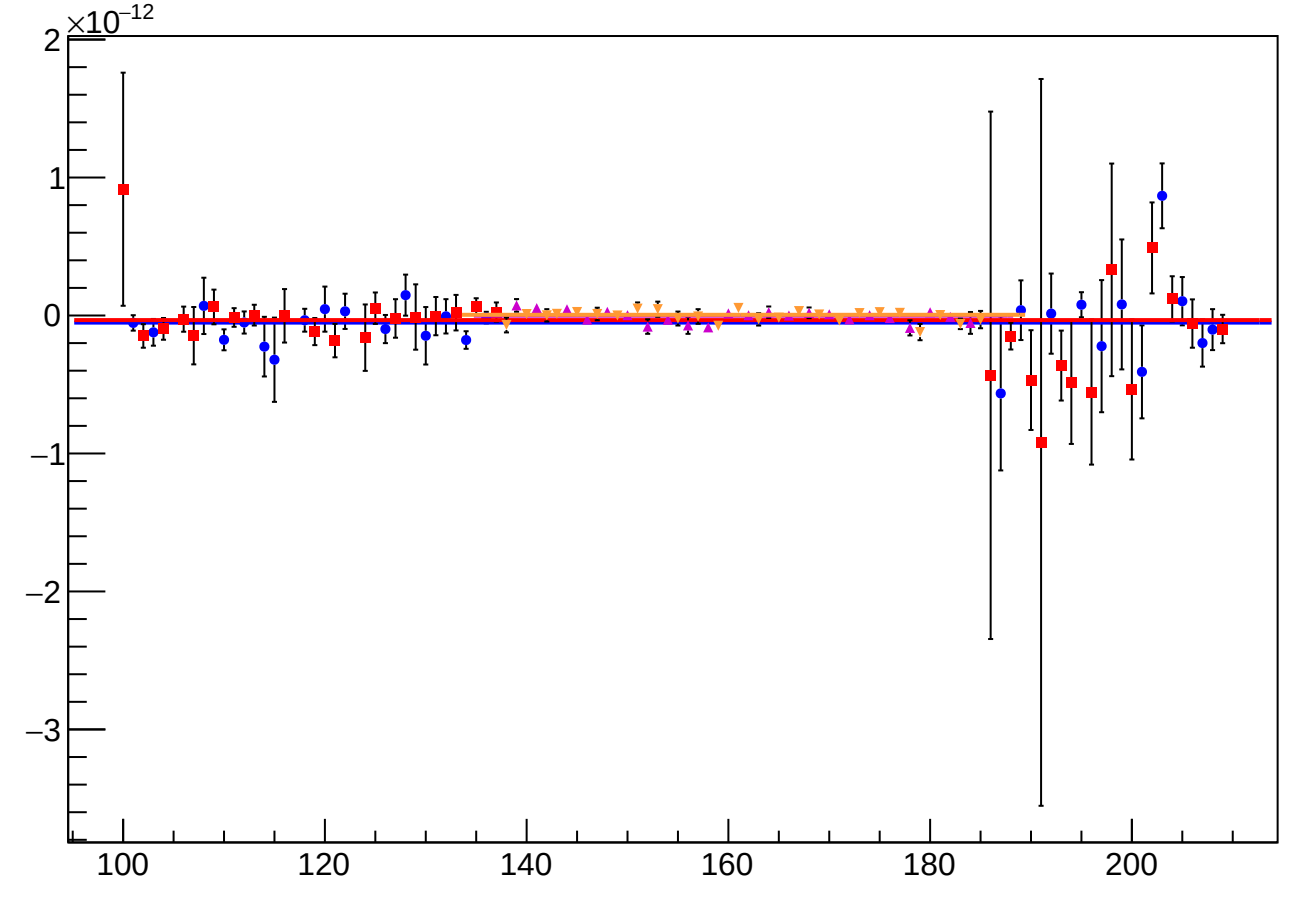
Right Out: 1389.272+/-0.254 χ^2/NDF: 4414056.4/31

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1045.831+/-0.131 χ^2/NDF: 6444150.2/51

All: 1049.231+/-0.093 χ^2/NDF: 13924964.2/1

- sign 1052.686+/-0.132 χ^2/NDF: 7479461.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

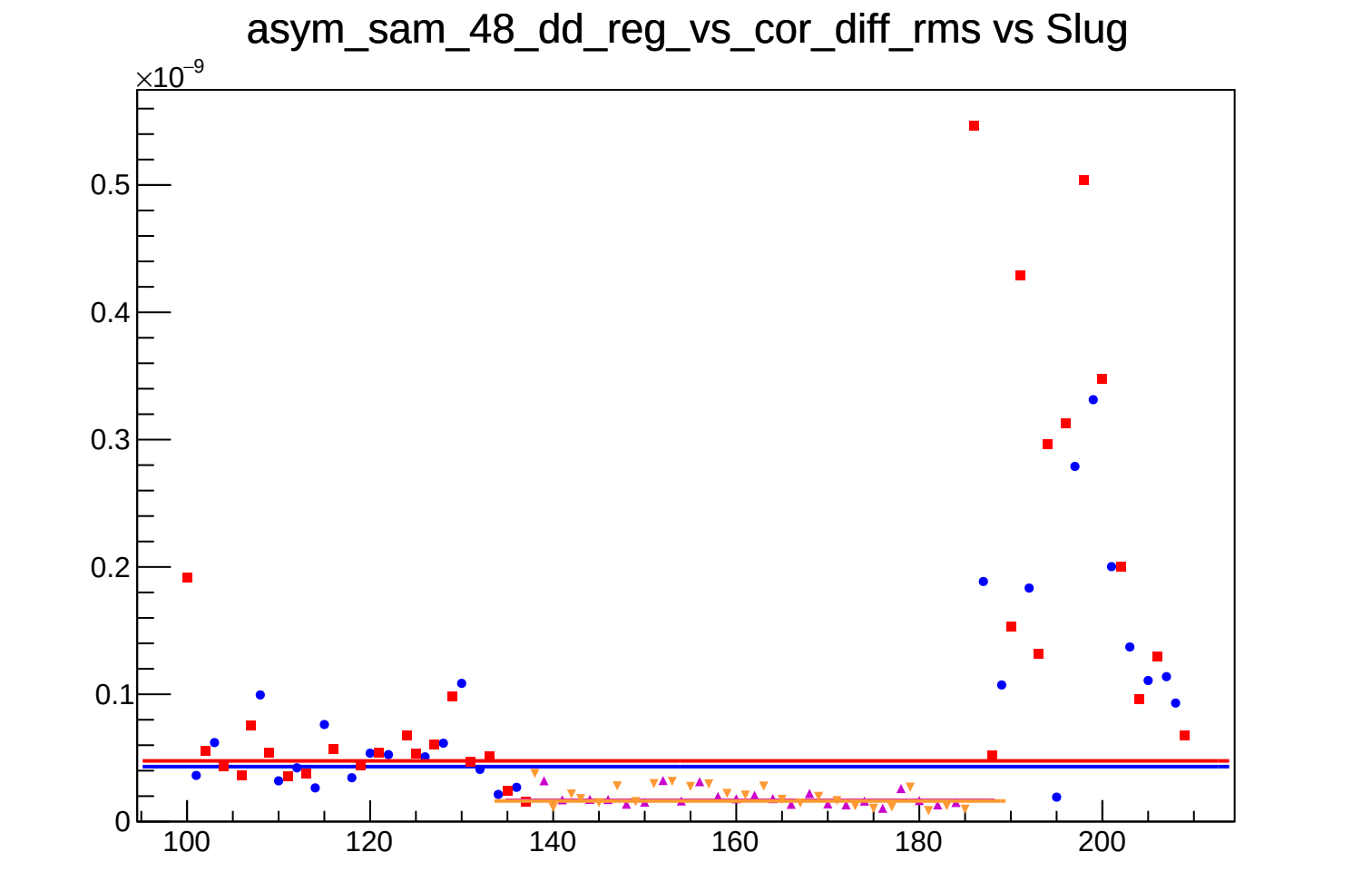
Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/31

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.6/51

All: -0.000+/-0.000 χ^2/NDF: 120.1/106

- sign -0.000+/-0.000 χ^2/NDF: 53.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 4926387.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5356619.0/31

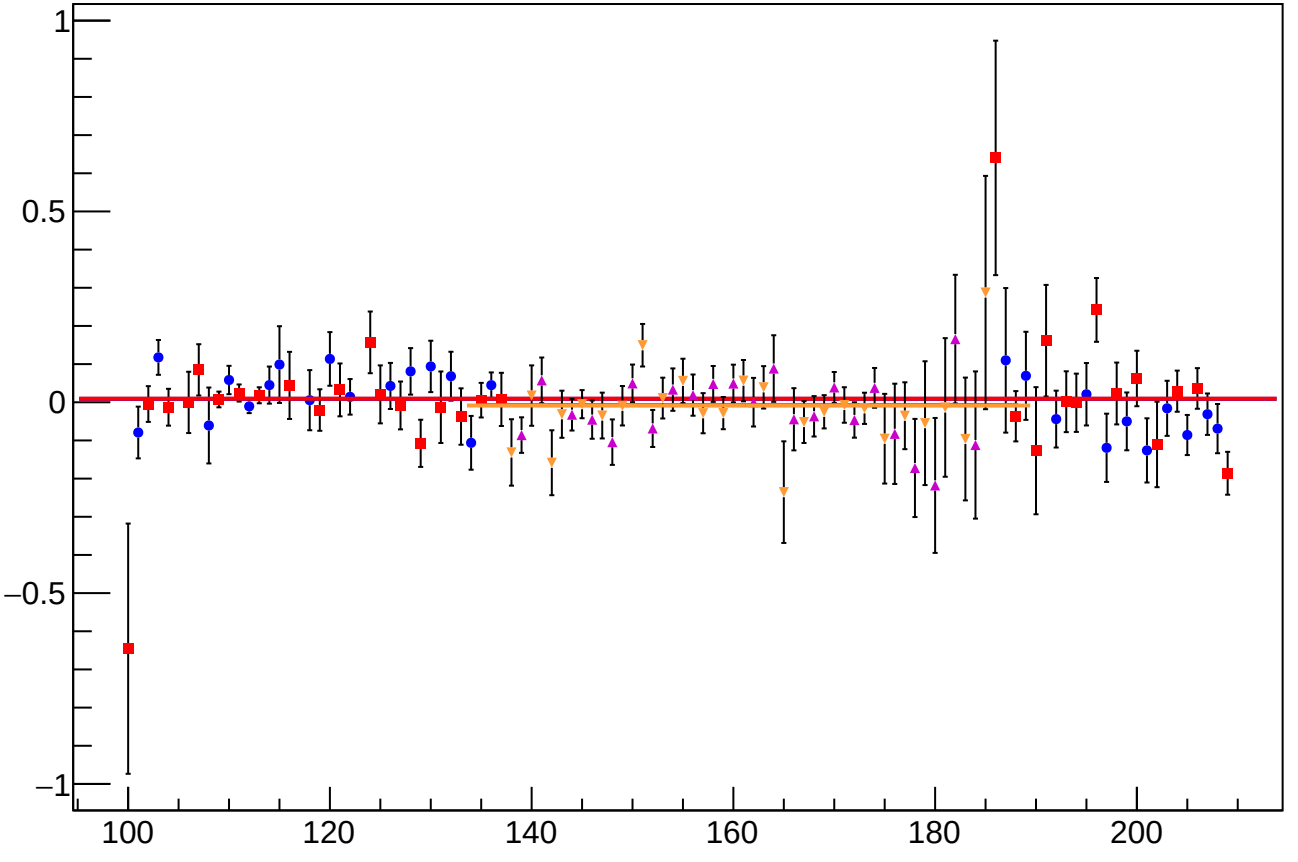
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10124031.5/51

All: 0.000+/-0.000 χ^2/NDF: 20250391.5/106

- sign 0.000+/-0.000 χ^2/NDF: 10105894.1/54

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.009+/-0.009 χ^2/NDF: 42.7/31

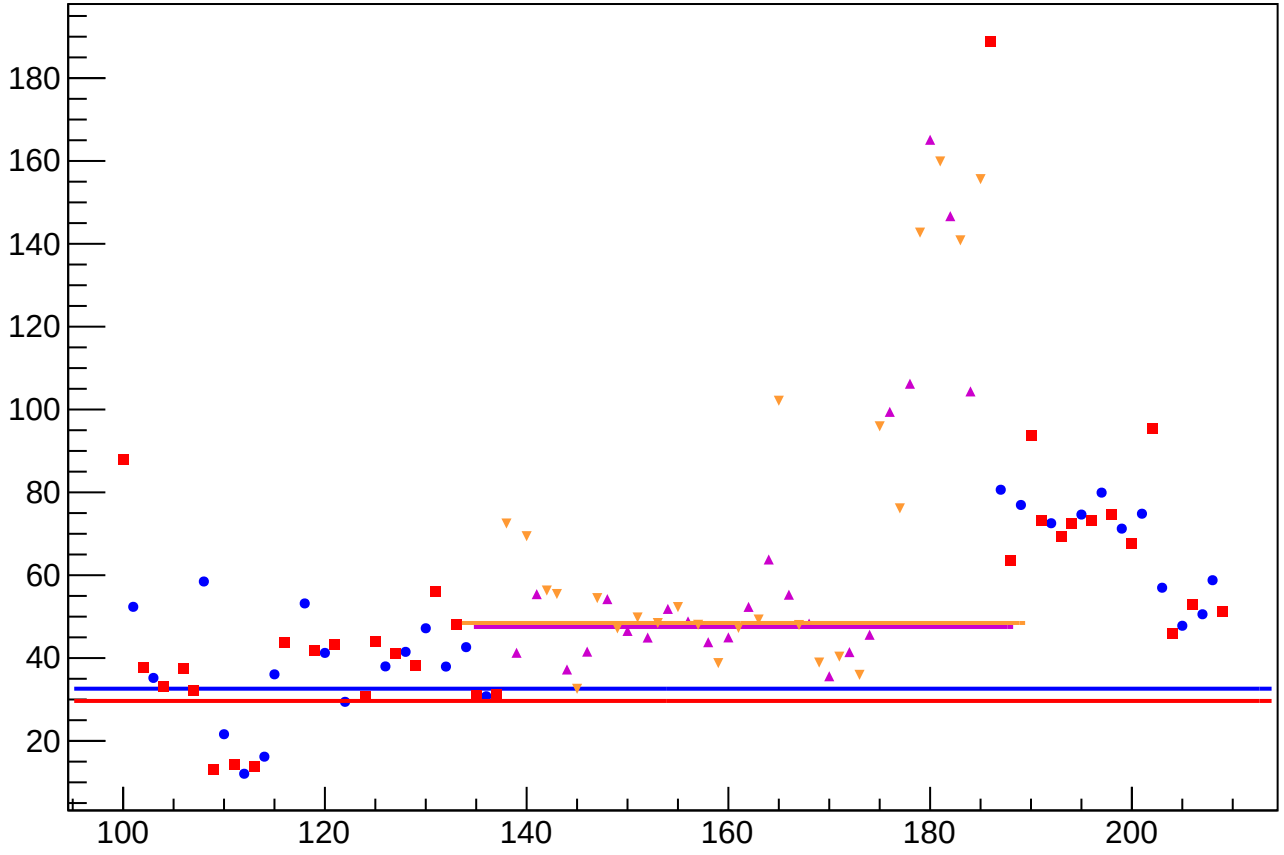
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.003+/-0.005 χ^2/NDF: 125.8/106

- sign 0.003+/-0.007 χ^2/NDF: 67.2/54

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

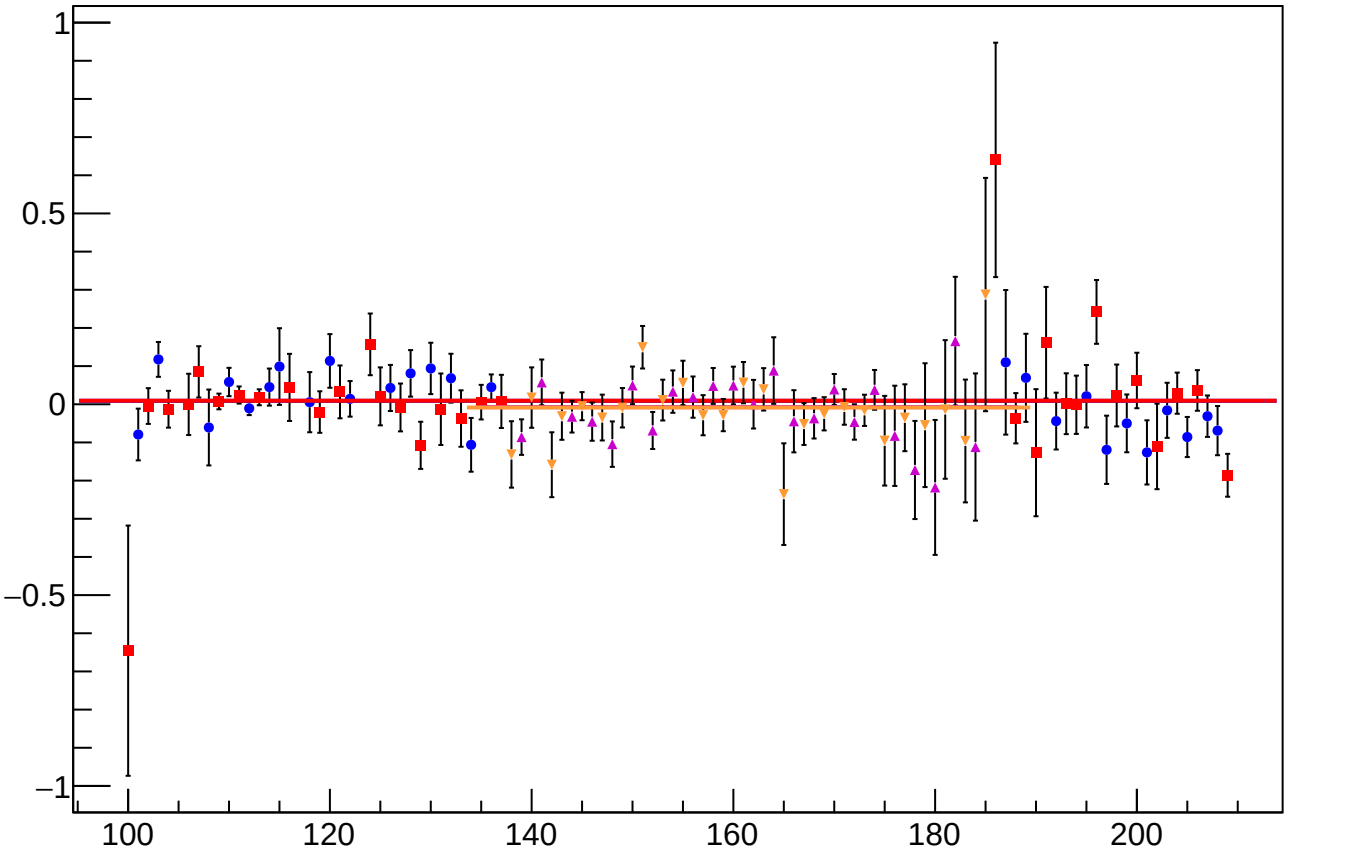
Right Out: 29.649+/-0.006 χ^2/NDF: 10106479.3/31

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.039+/-0.005 χ^2/NDF: 14295451.5/51

All: 37.397+/-0.004 χ^2/NDF: 30498427.8/106

- sign 35.959+/-0.005 χ^2/NDF: 16029848.3/54



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

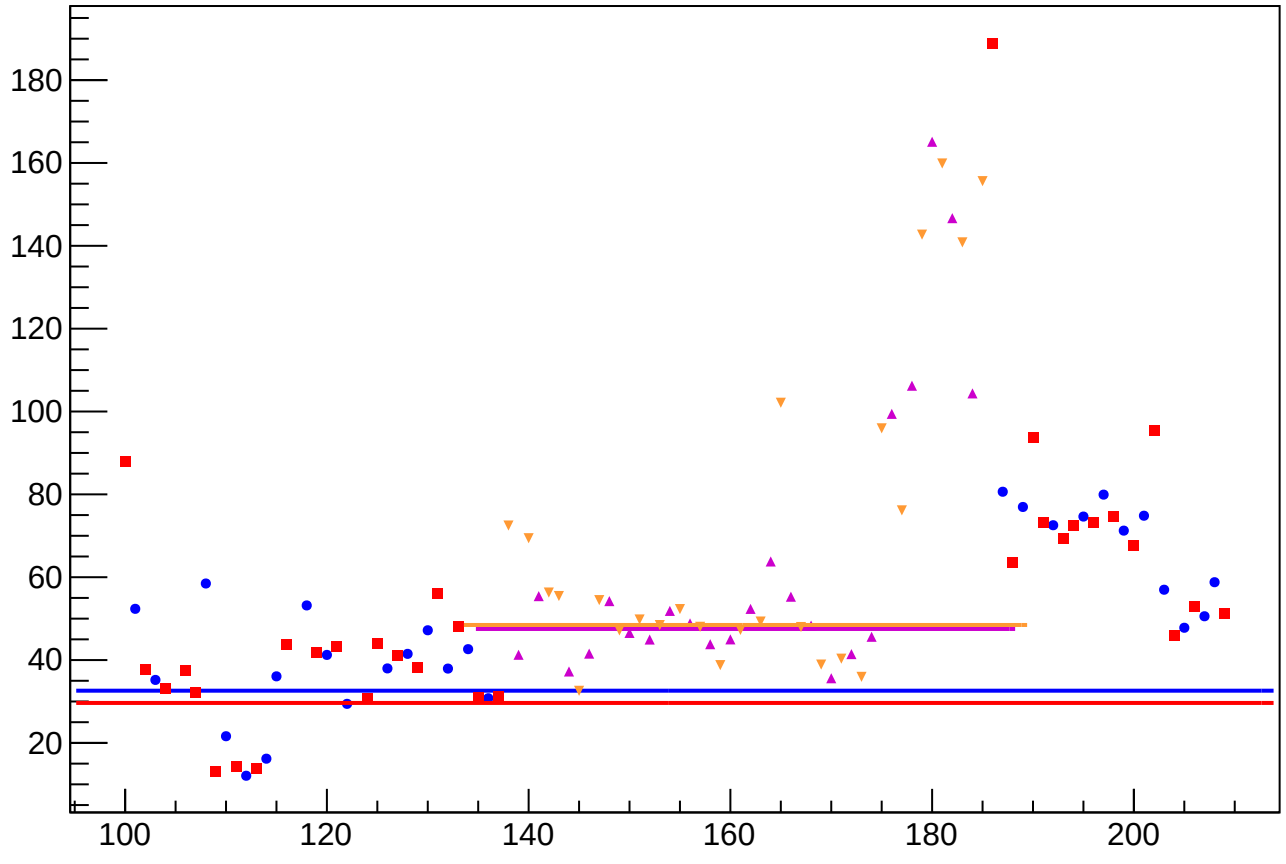
Right Out: 0.009+/-0.009 χ^2/NDF: 42.7/31

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.003+/-0.005 χ^2/NDF: 125.8/106

- sign 0.003+/-0.007 χ^2/NDF: 67.2/54



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

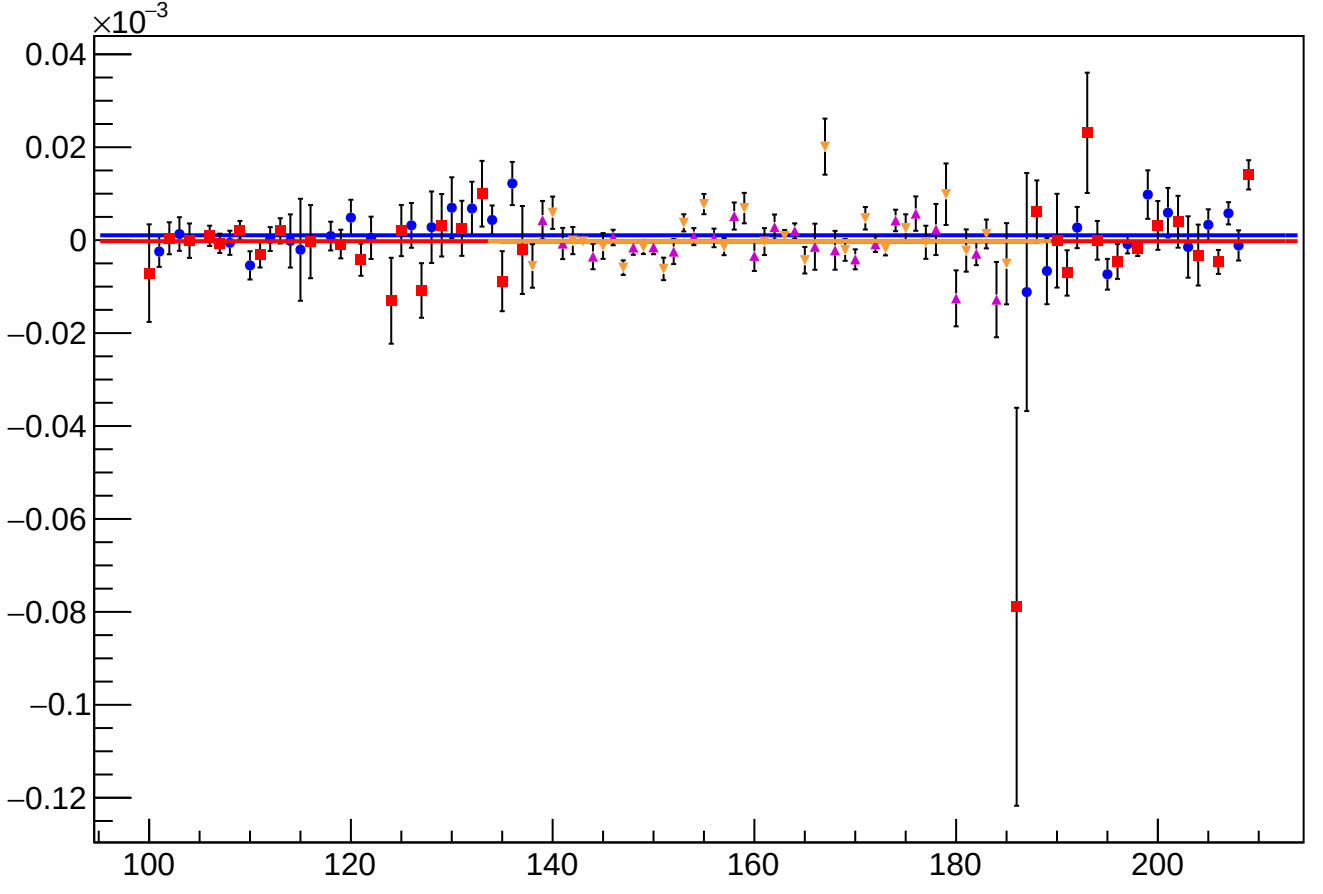
Right Out: 29.649+/-0.006 χ^2/NDF: 10106479.3/31

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.039+/-0.005 χ^2/NDF: 14295451.5/51

All: 37.397+/-0.004 χ^2/NDF: 30498427.8/106

- sign 35.959+/-0.005 χ^2/NDF: 16029848.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.7/31

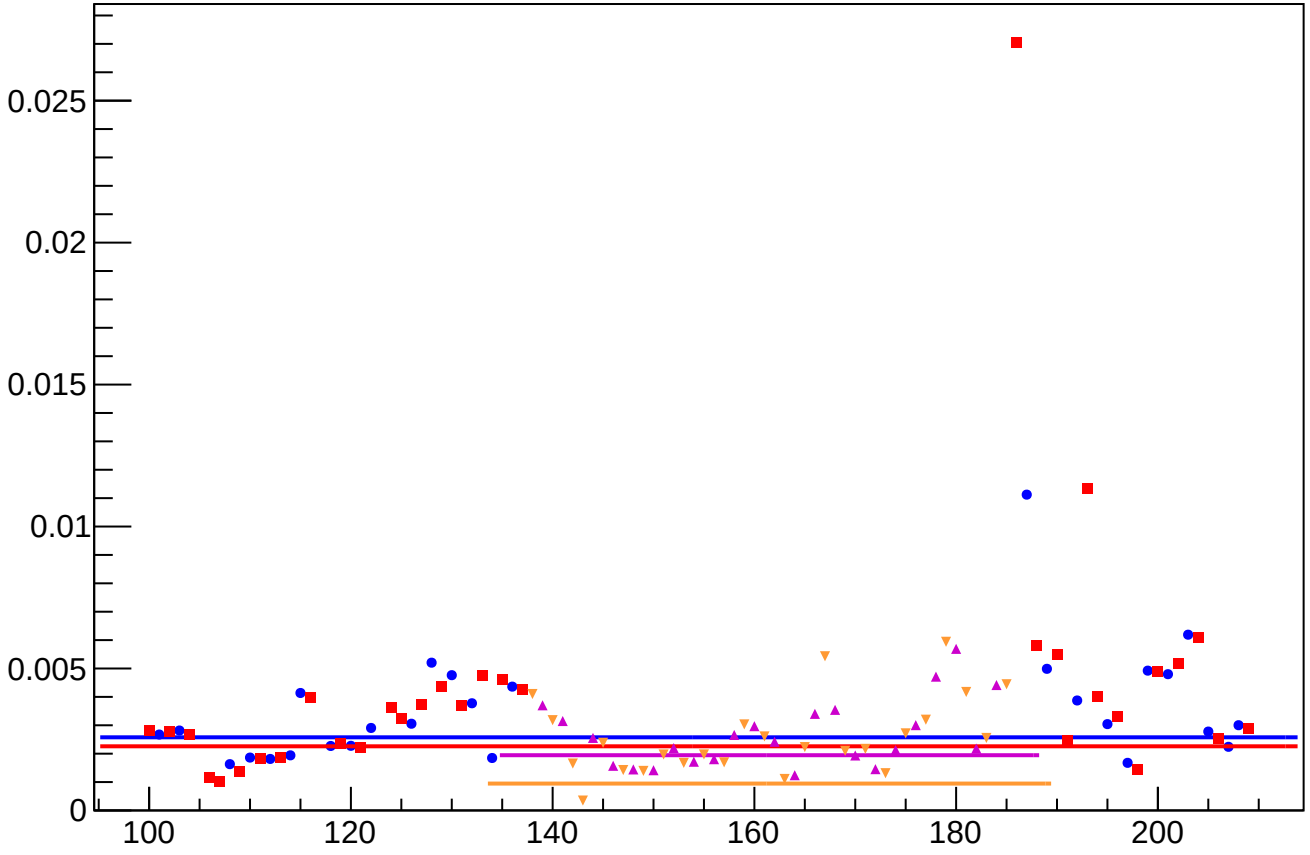
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 108.0/51

All: -0.000+/-0.000 χ^2/NDF: 190.8/106

- sign -0.000+/-0.000 χ^2/NDF: 82.6/54

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4138862.2/26

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8328241.7/31

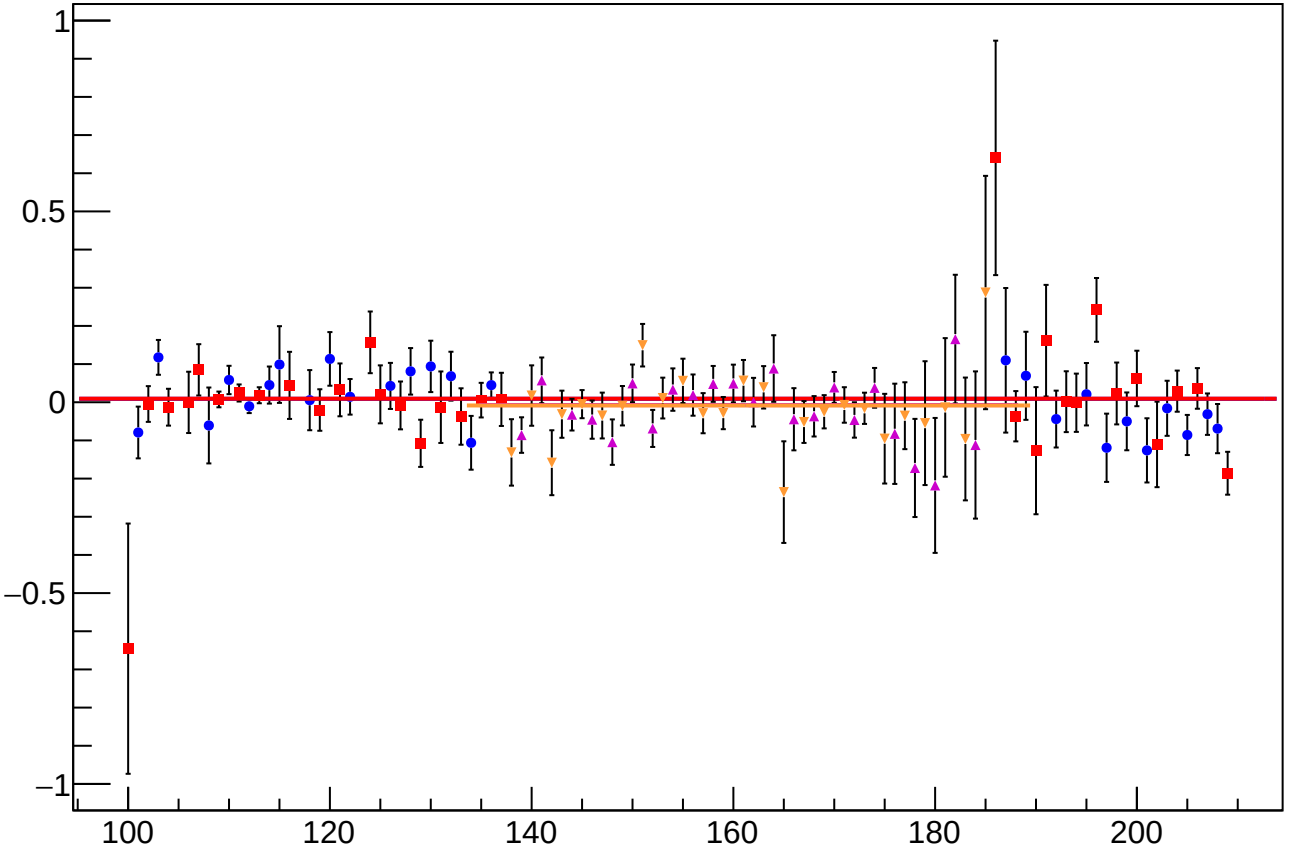
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 30616373.6/51

All: 0.001+/-0.000 χ^2/NDF: 50170185.6/106

- sign 0.002+/-0.000 χ^2/NDF: 12991043.3/54

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.009+/-0.009 χ^2/NDF: 42.7/31

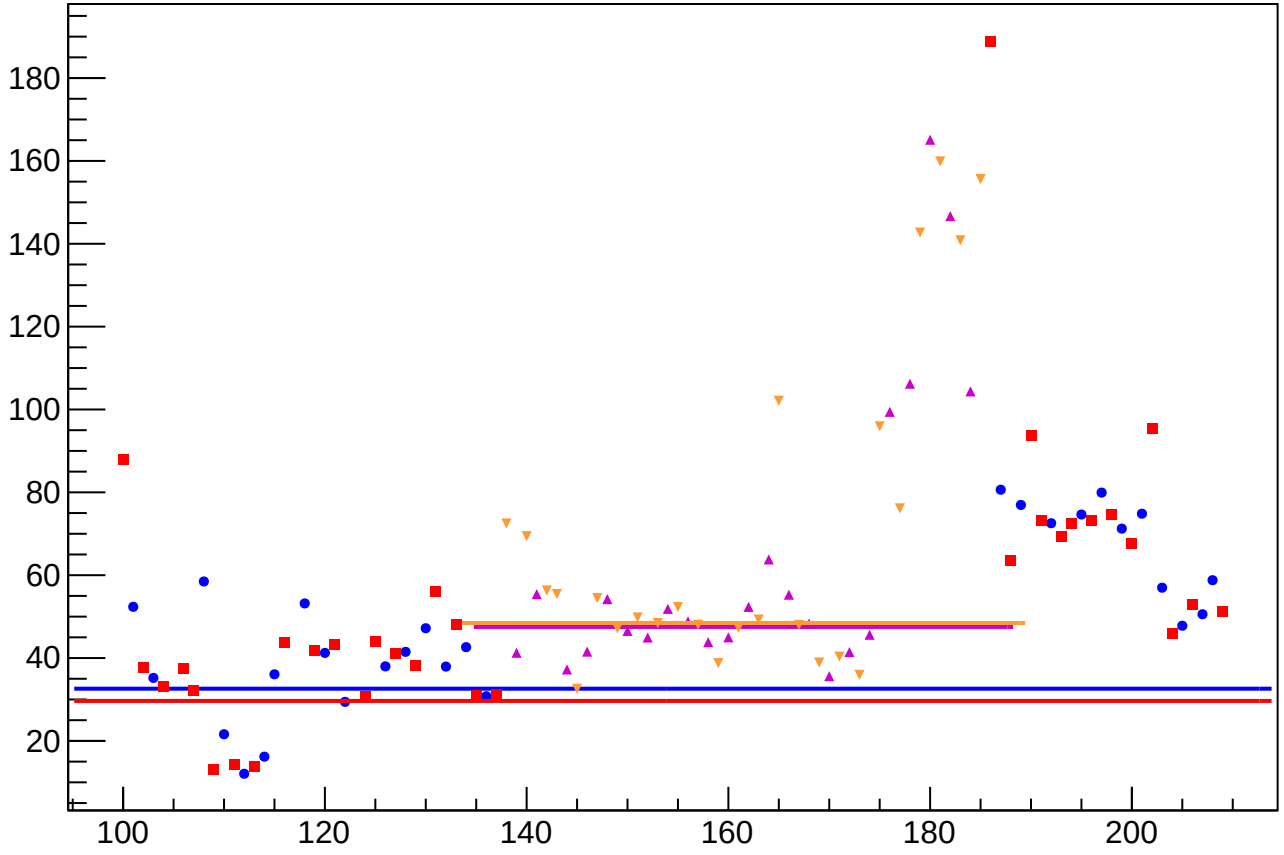
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.003+/-0.005 χ^2/NDF: 125.8/106

- sign 0.003+/-0.007 χ^2/NDF: 67.2/54

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

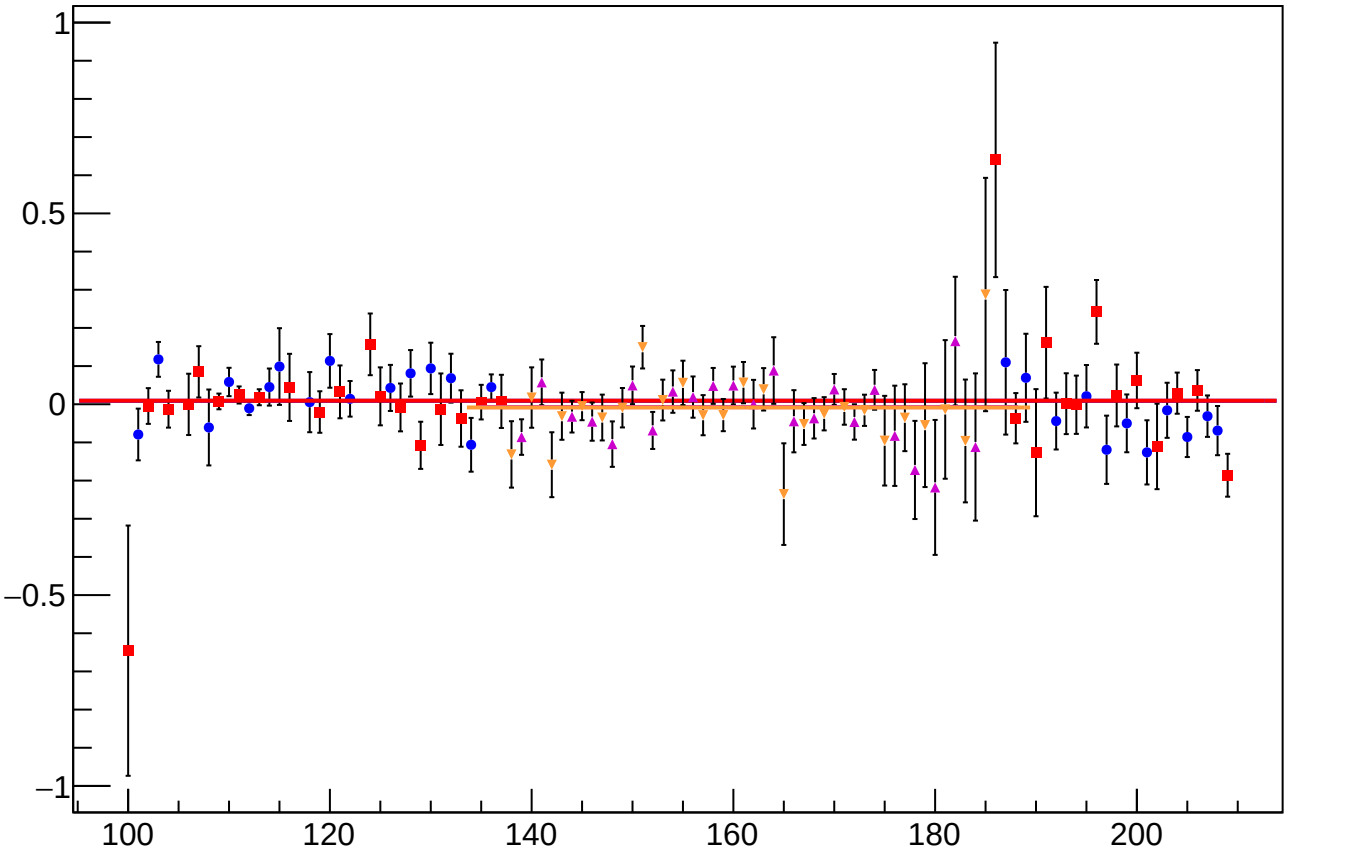
Right Out: 29.648+/-0.006 χ^2/NDF: 10106772.4/31

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.038+/-0.005 χ^2/NDF: 14296631.8/51

All: 37.396+/-0.004 χ^2/NDF: 30499961.7/106

- sign 35.959+/-0.005 χ^2/NDF: 16030282.9/54



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

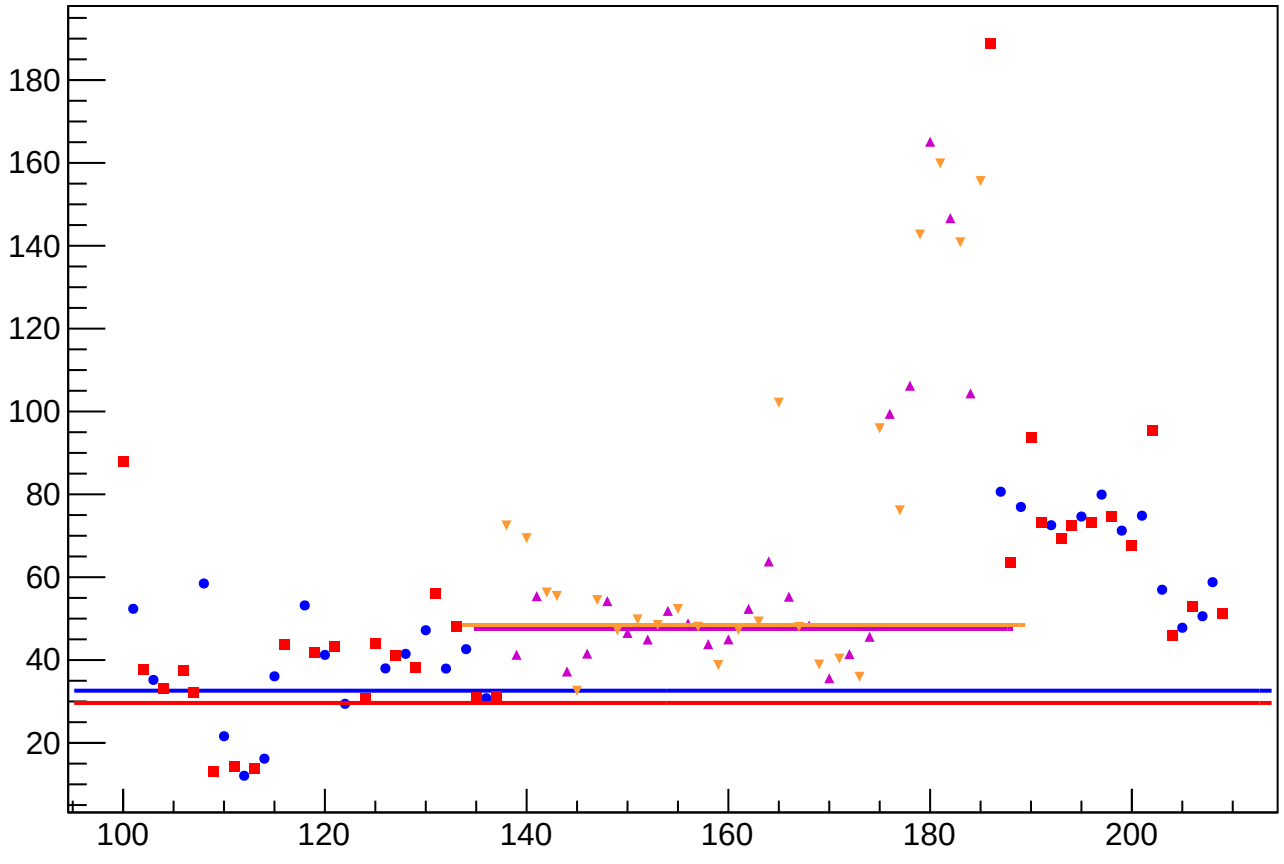
Right Out: 0.009+/-0.009 χ^2/NDF: 42.7/31

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.002+/-0.008 χ^2/NDF: 58.5/51

All: 0.003+/-0.005 χ^2/NDF: 125.8/106

- sign 0.003+/-0.007 χ^2/NDF: 67.2/54



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

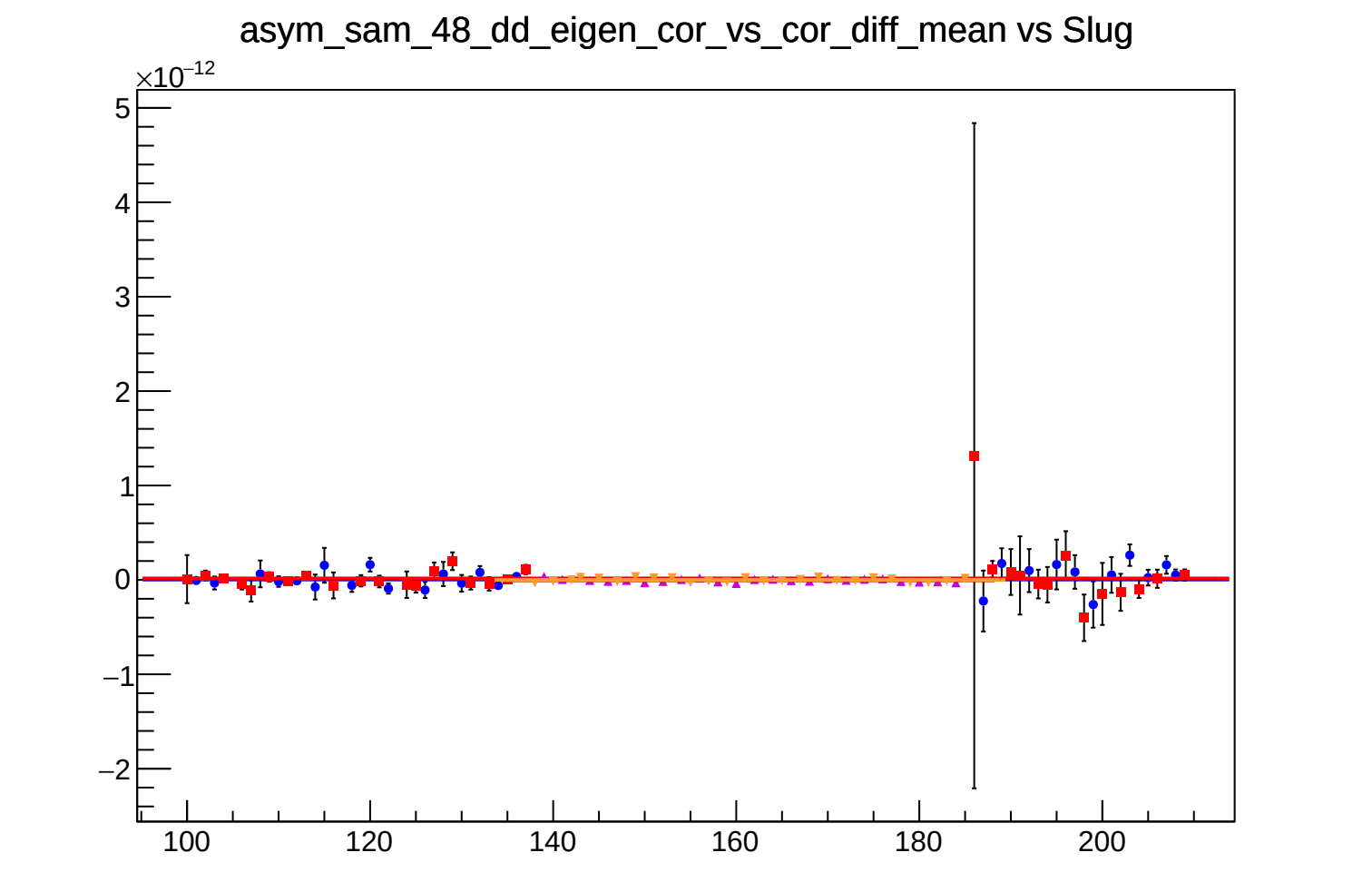
Right Out: 29.648+/-0.006 χ^2/NDF: 10106772.4/31

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.038+/-0.005 χ^2/NDF: 14296631.8/51

All: 37.396+/-0.004 χ^2/NDF: 30499961.7/106

- sign 35.959+/-0.005 χ^2/NDF: 16030282.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 31.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

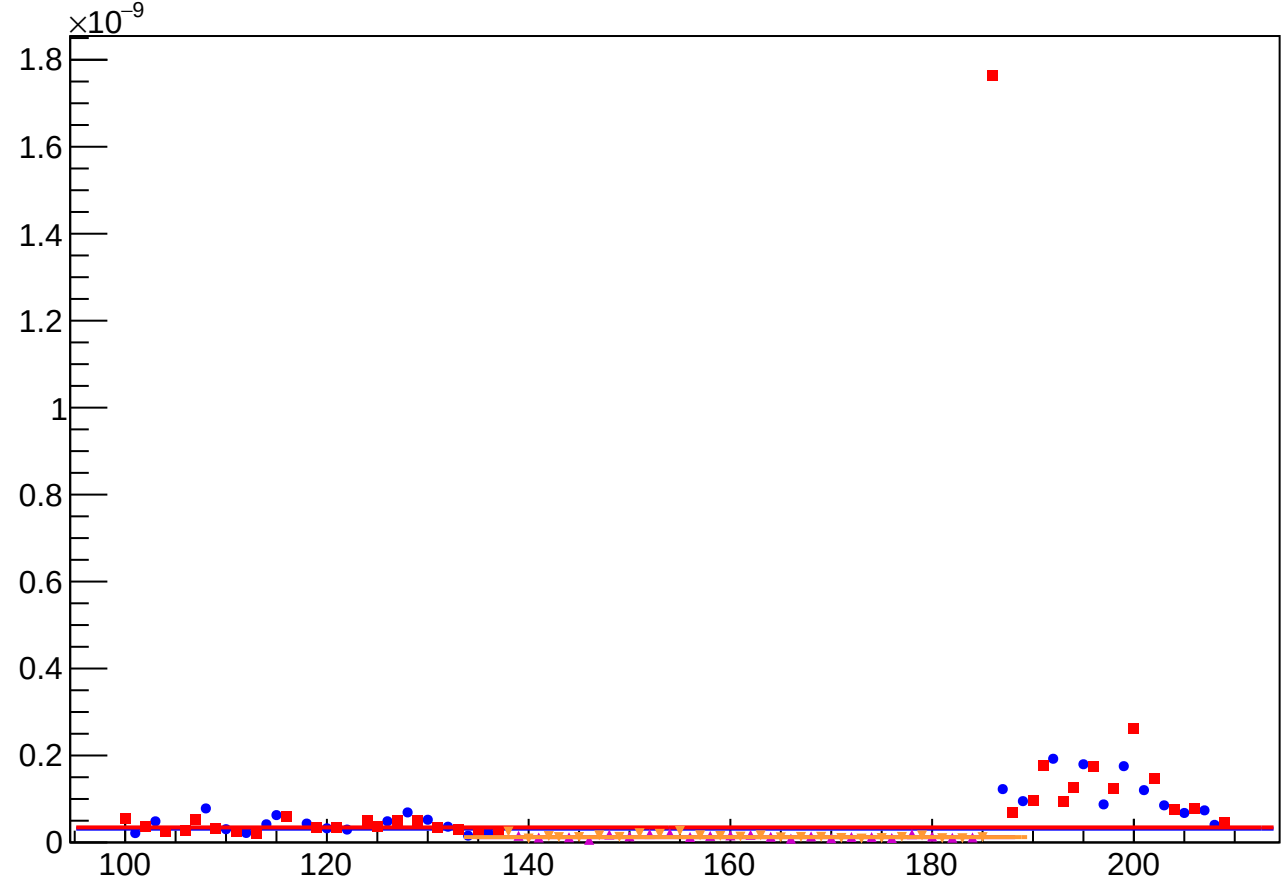
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/31

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/51

All: -0.000+/-0.000 χ^2/NDF: 108.6/106

- sign -0.000+/-0.000 χ^2/NDF: 44.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 6695913.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6524947.8/31

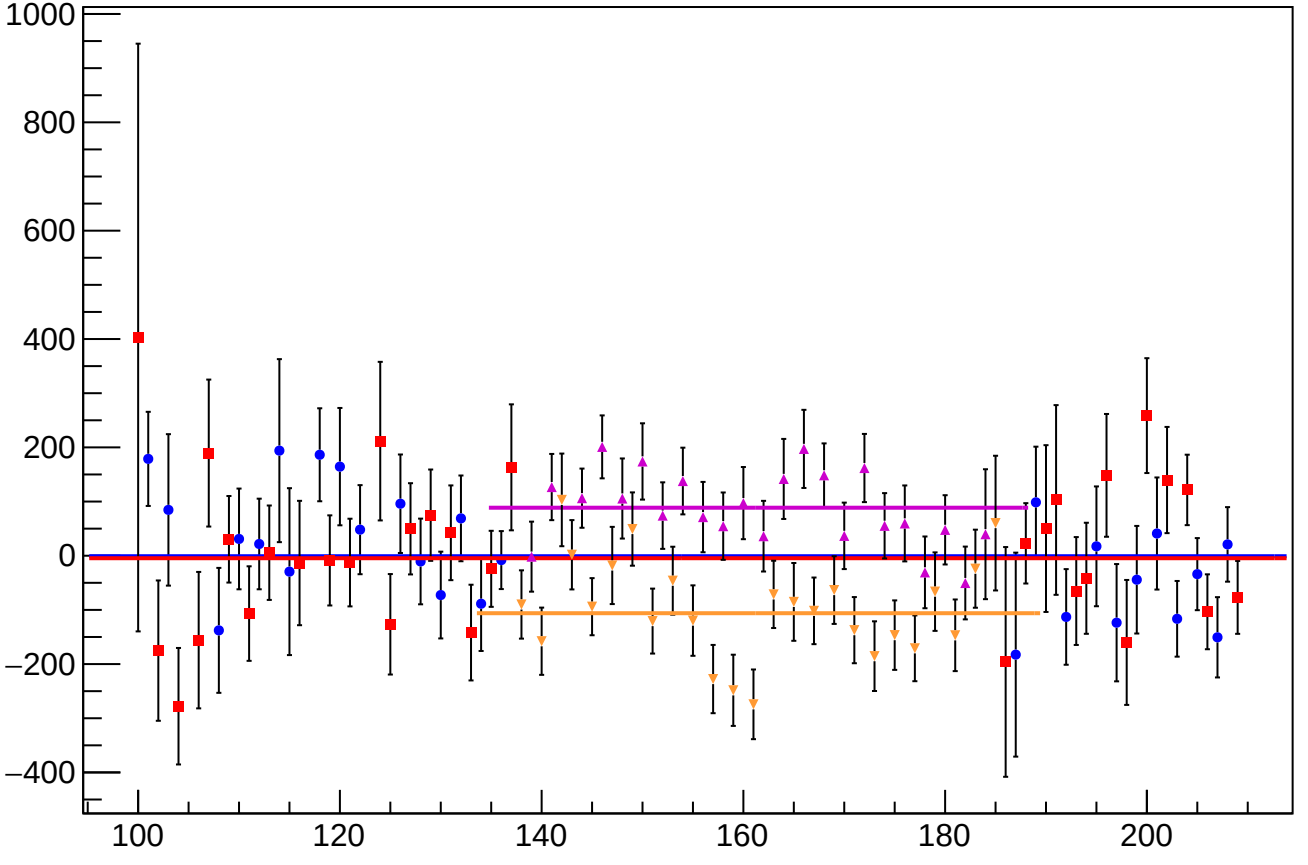
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13441755.5/51

All: 0.000+/-0.000 χ^2/NDF: 27859069.6/106

- sign 0.000+/-0.000 χ^2/NDF: 14415045.7/54

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -0.912+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -4.600+/-16.835 χ^2/NDF: 44.8/31

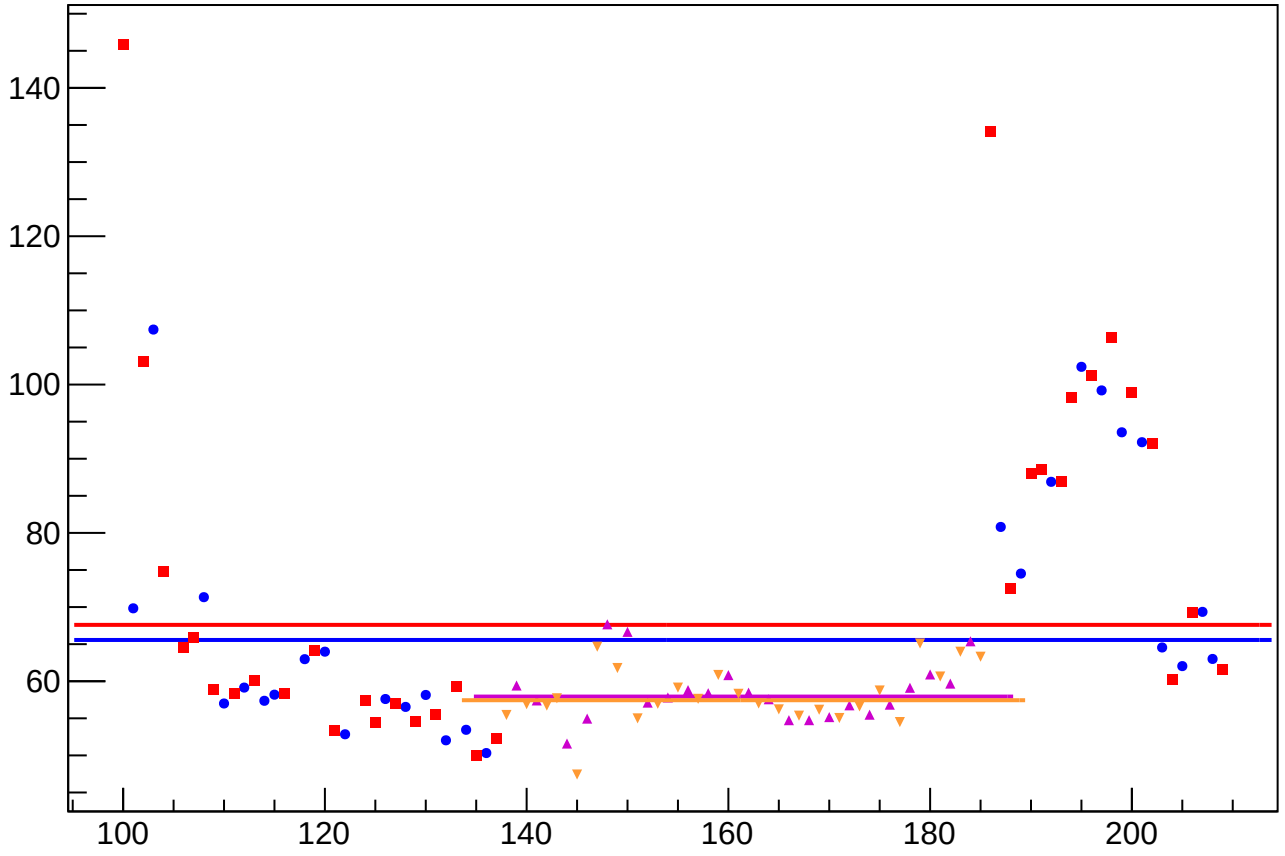
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -66.820+/-10.361 χ^2/NDF: 95.9/51

All: -8.599+/-7.397 χ^2/NDF: 247.6/106

- sign 51.918+/-10.563 χ^2/NDF: 87.3/54

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564+/-0.012 χ^2/NDF: 1461190.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

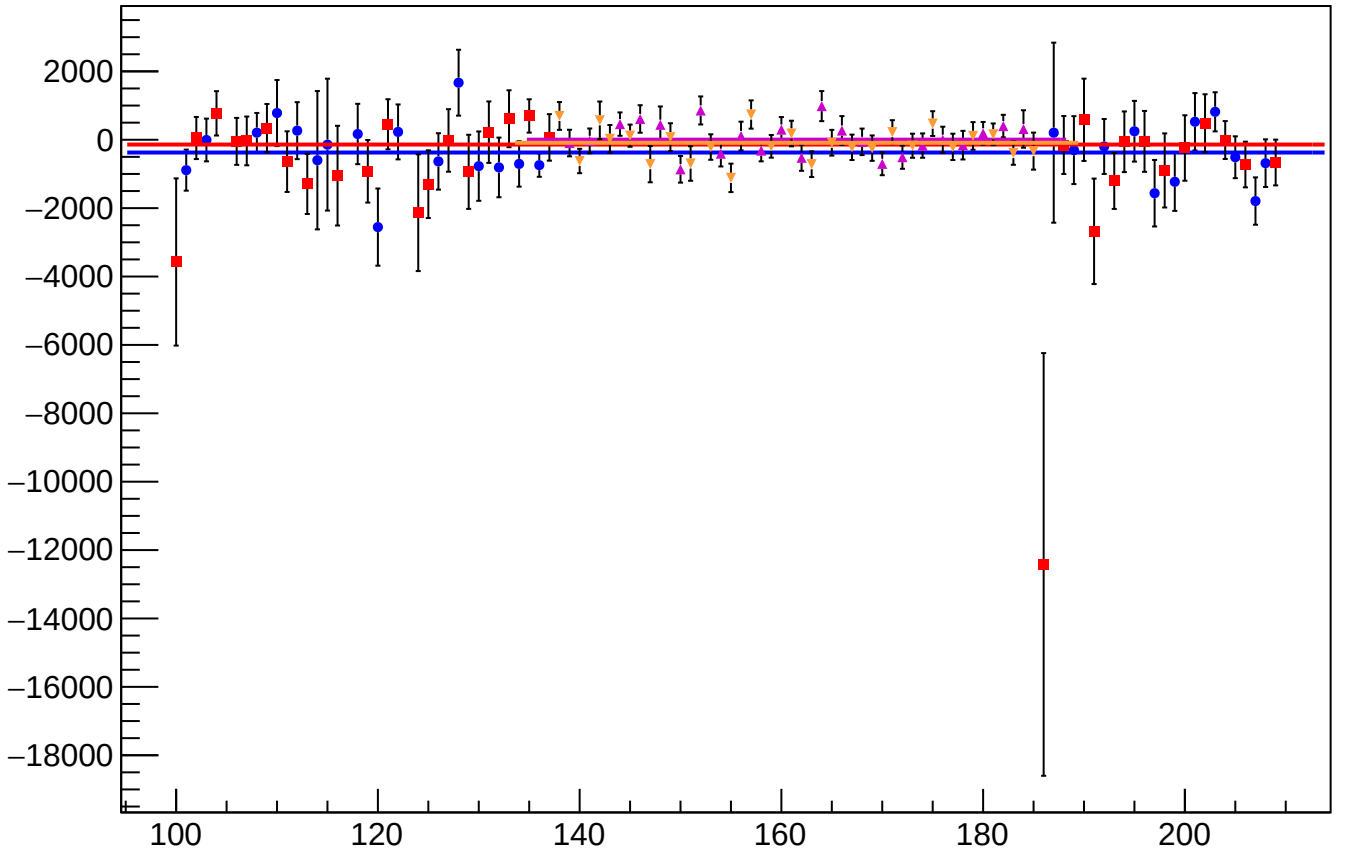
Right Out: 67.600+/-0.012 χ^2/NDF: 1955790.6/31

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF: 1923471.5/51

All: 61.094+/-0.005 χ^2/NDF: 4429659.0/106

- sign 61.739+/-0.007 χ^2/NDF: 2491571.0/54



Right In: -373.371+/-143.790 χ^2/NDF: 28.3/26

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -140.477+/-145.167 χ^2/NDF: 26.9/31

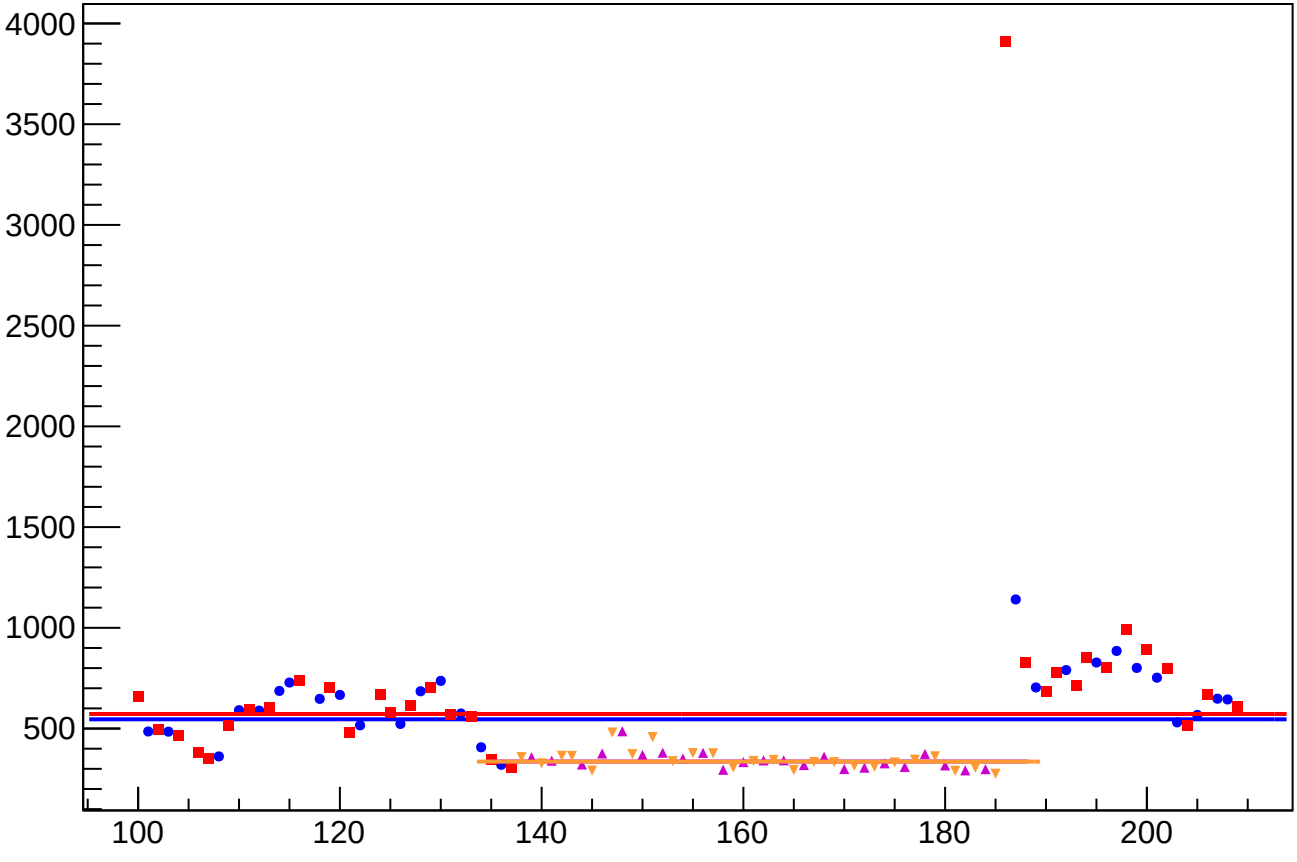
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -152.433+/-67.888 χ^2/NDF: 61.2/51

All: -92.609+/-48.571 χ^2/NDF: 124.0/106

- sign -29.871+/-69.521 χ^2/NDF: 61.2/54

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 545.859+/-0.102 χ^2/NDF: 2583200.2/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 572.256+/-0.103 χ^2/NDF: 3274168.8/31

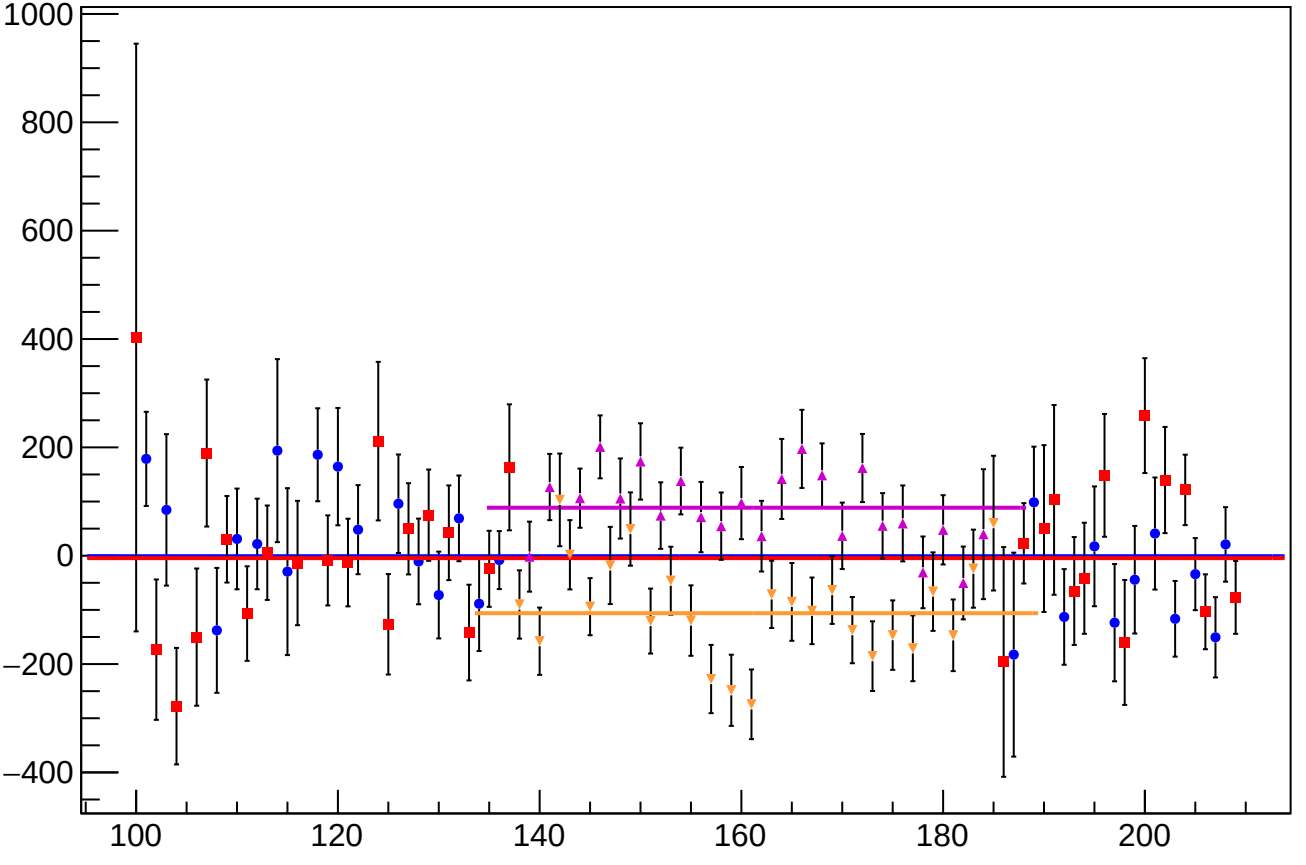
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 382.696+/-0.048 χ^2/NDF: 6430907.5/51

All: 386.481+/-0.034 χ^2/NDF: 14202616.3/10

- sign 390.450+/-0.049 χ^2/NDF: 7758974.8/54

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -4.438+/-16.837 χ^2/NDF: 44.6/31

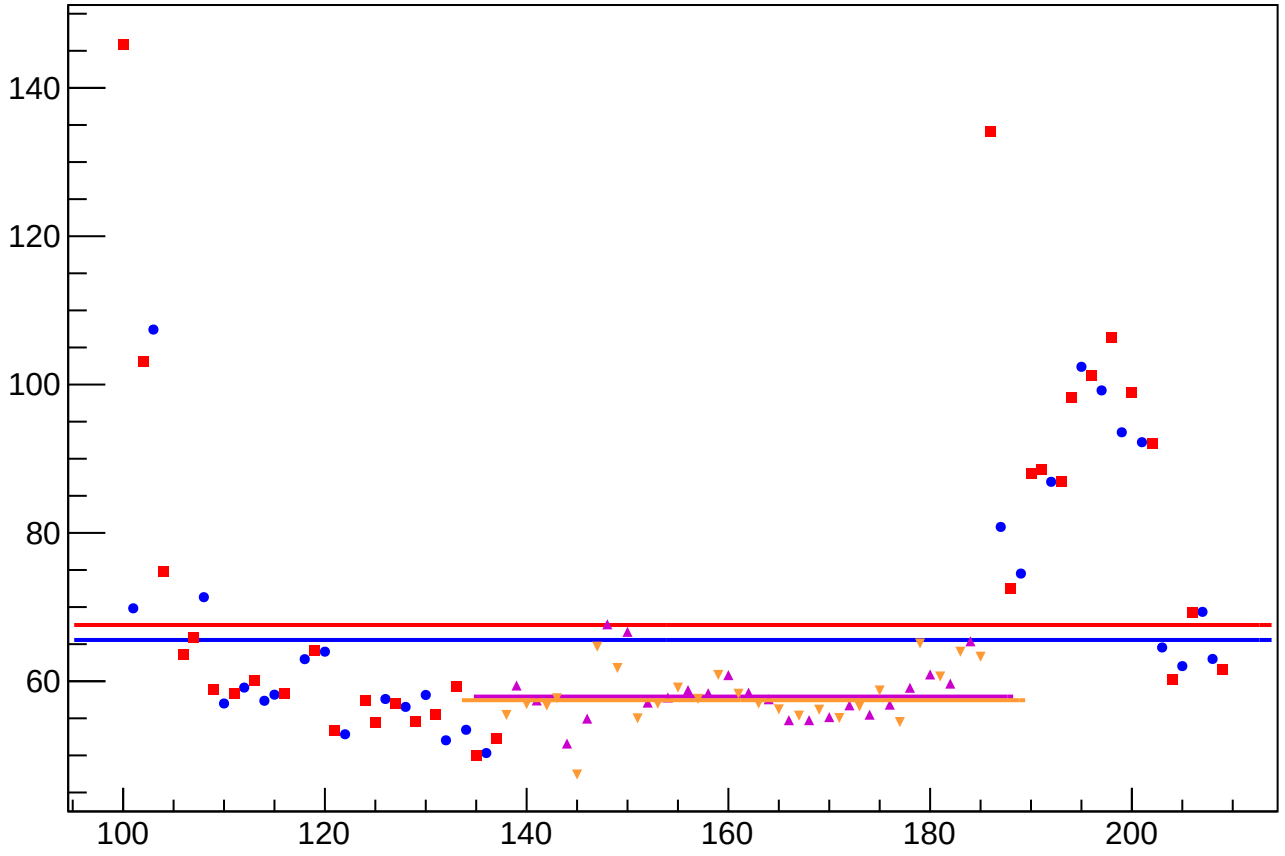
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.822+/-10.361 χ^2/NDF: 95.9/51

All: -8.568+/-7.397 χ^2/NDF: 247.5/106

- sign 51.988+/-10.564 χ^2/NDF: 87.1/54

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

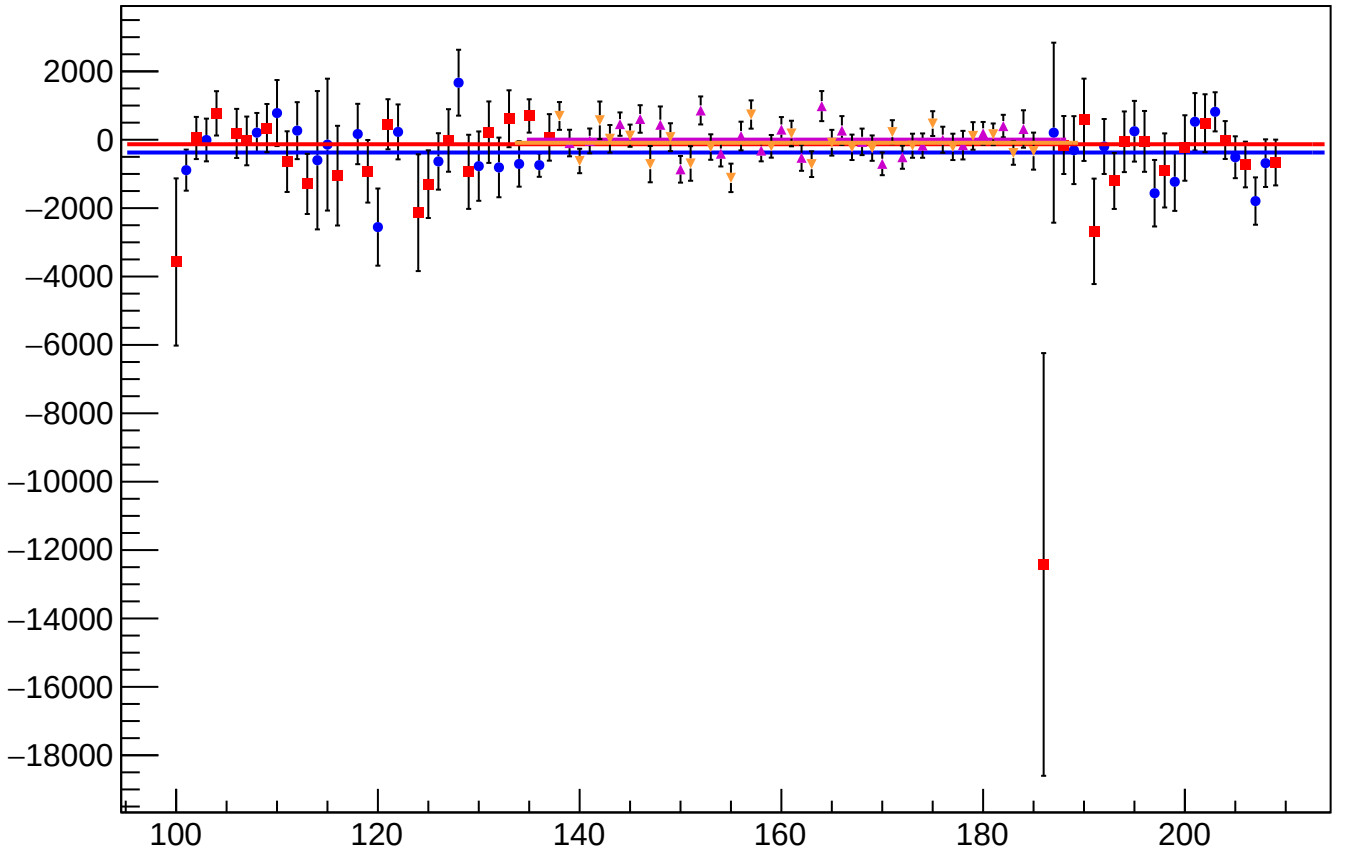
Right Out: 67.584+/-0.012 χ^2/NDF: 1956851.1/31

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF: 1923473.6/51

All: 61.091+/-0.005 χ^2/NDF: 4429130.6/106

- sign 61.732+/-0.007 χ^2/NDF: 2491203.6/54



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -131.295+/-145.448 χ^2/NDF: 27.1/31

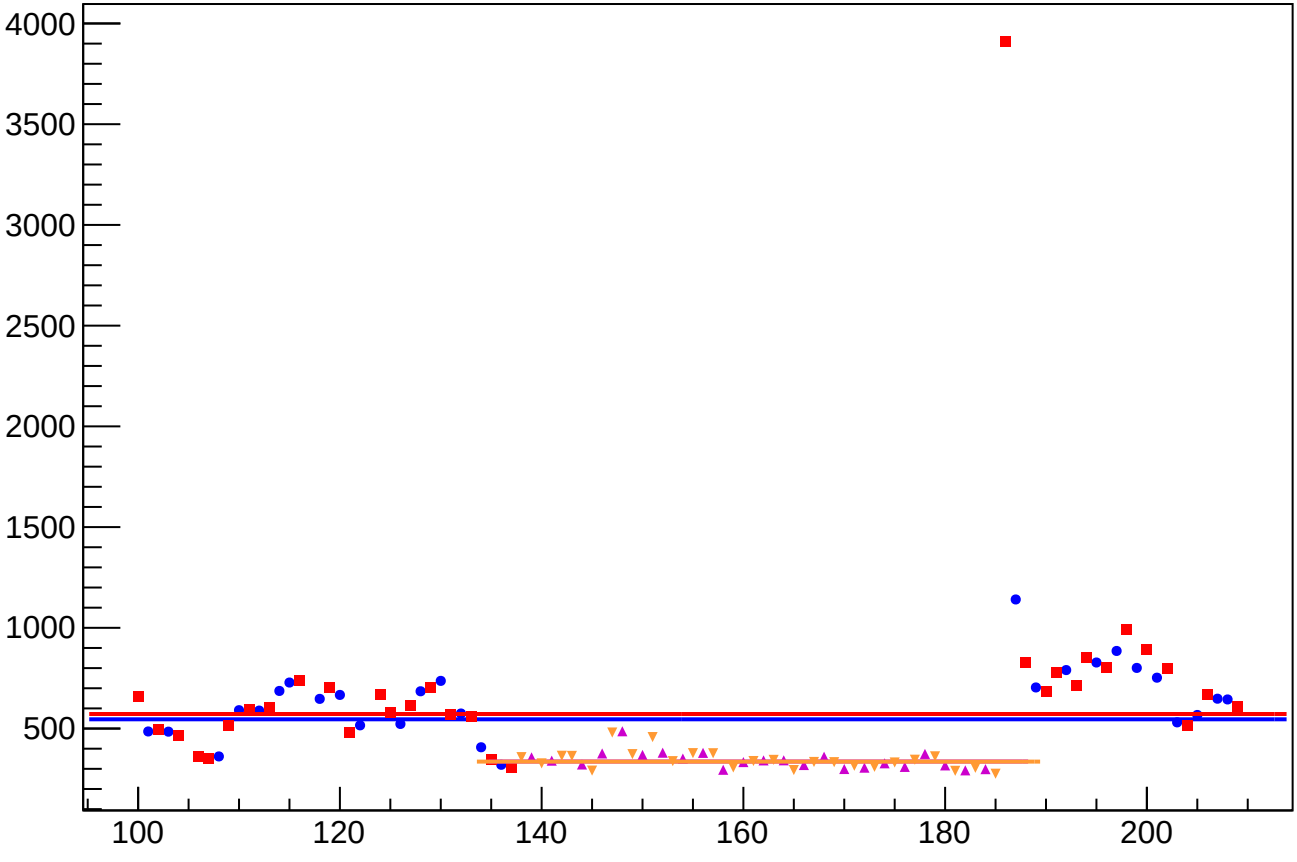
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -152.430+/-67.888 χ^2/NDF: 61.2/51

All: -91.562+/-48.581 χ^2/NDF: 124.2/106

- sign -27.672+/-69.552 χ^2/NDF: 61.3/54

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 572.151+/-0.103 χ^2/NDF: 3293426.9/31

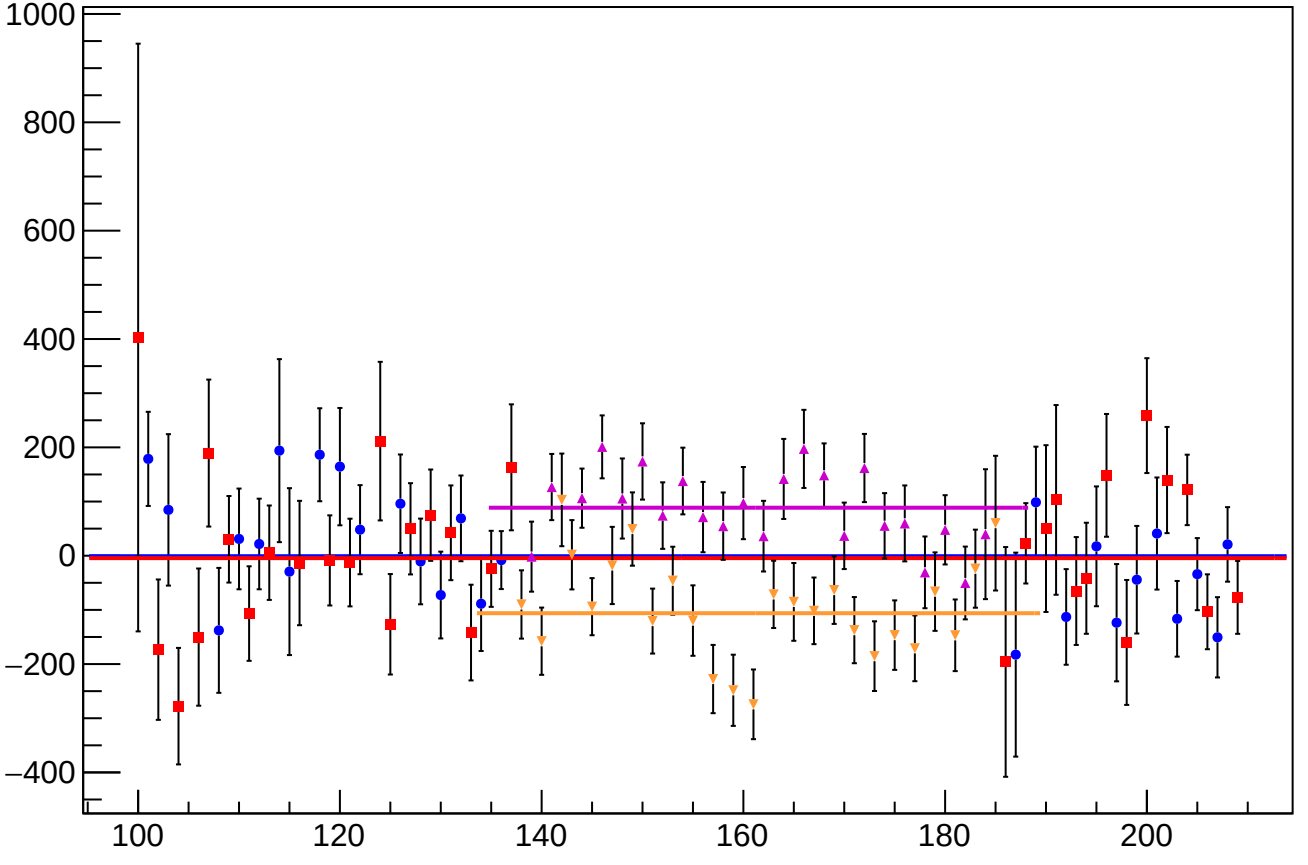
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 382.697+/-0.048 χ^2/NDF: 6430932.4/51

All: 386.389+/-0.034 χ^2/NDF: 14205535.4/10

- sign 390.264+/-0.049 χ^2/NDF: 7762477.2/54

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -4.438+/-16.837 χ^2/NDF: 44.6/31

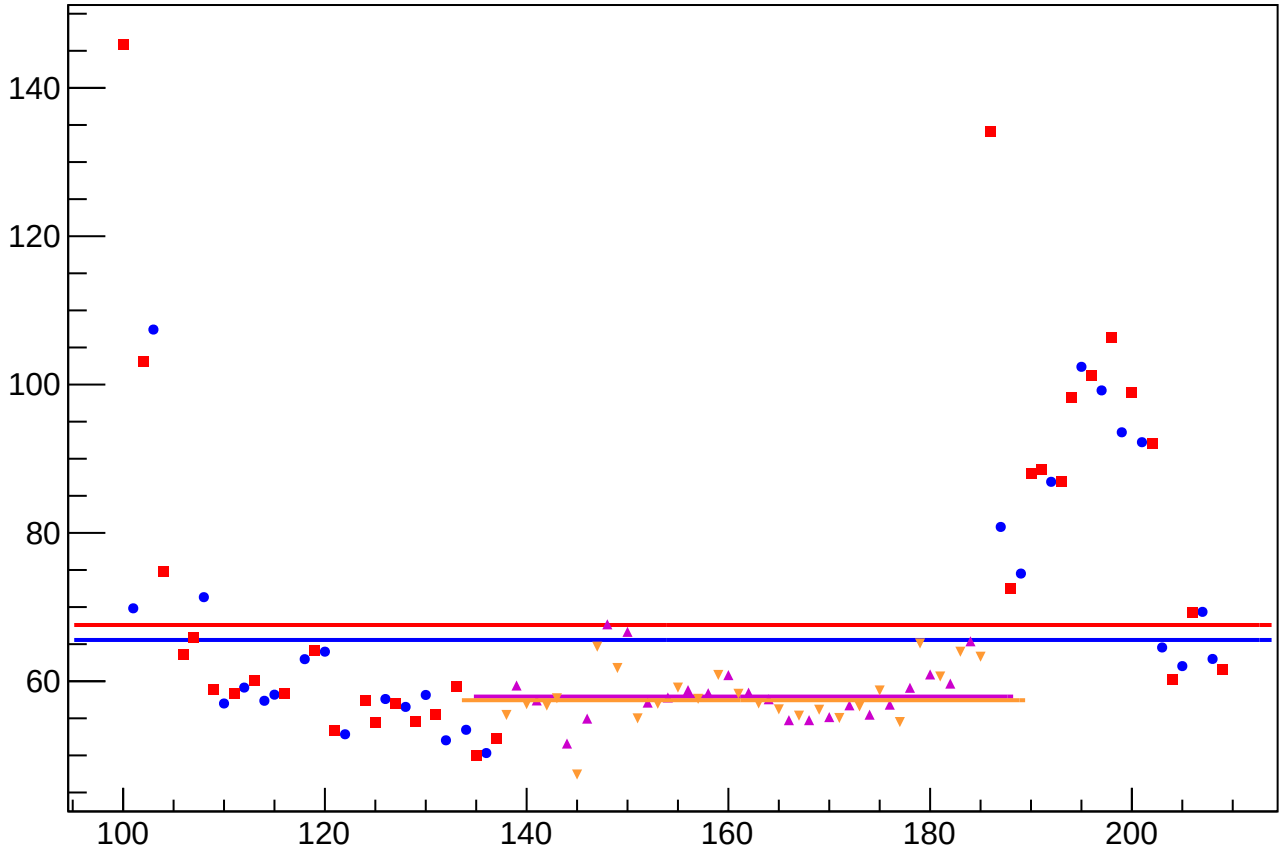
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -66.822+/-10.361 χ^2/NDF: 95.9/51

All: -8.568+/-7.397 χ^2/NDF: 247.5/106

- sign 51.988+/-10.564 χ^2/NDF: 87.1/54

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

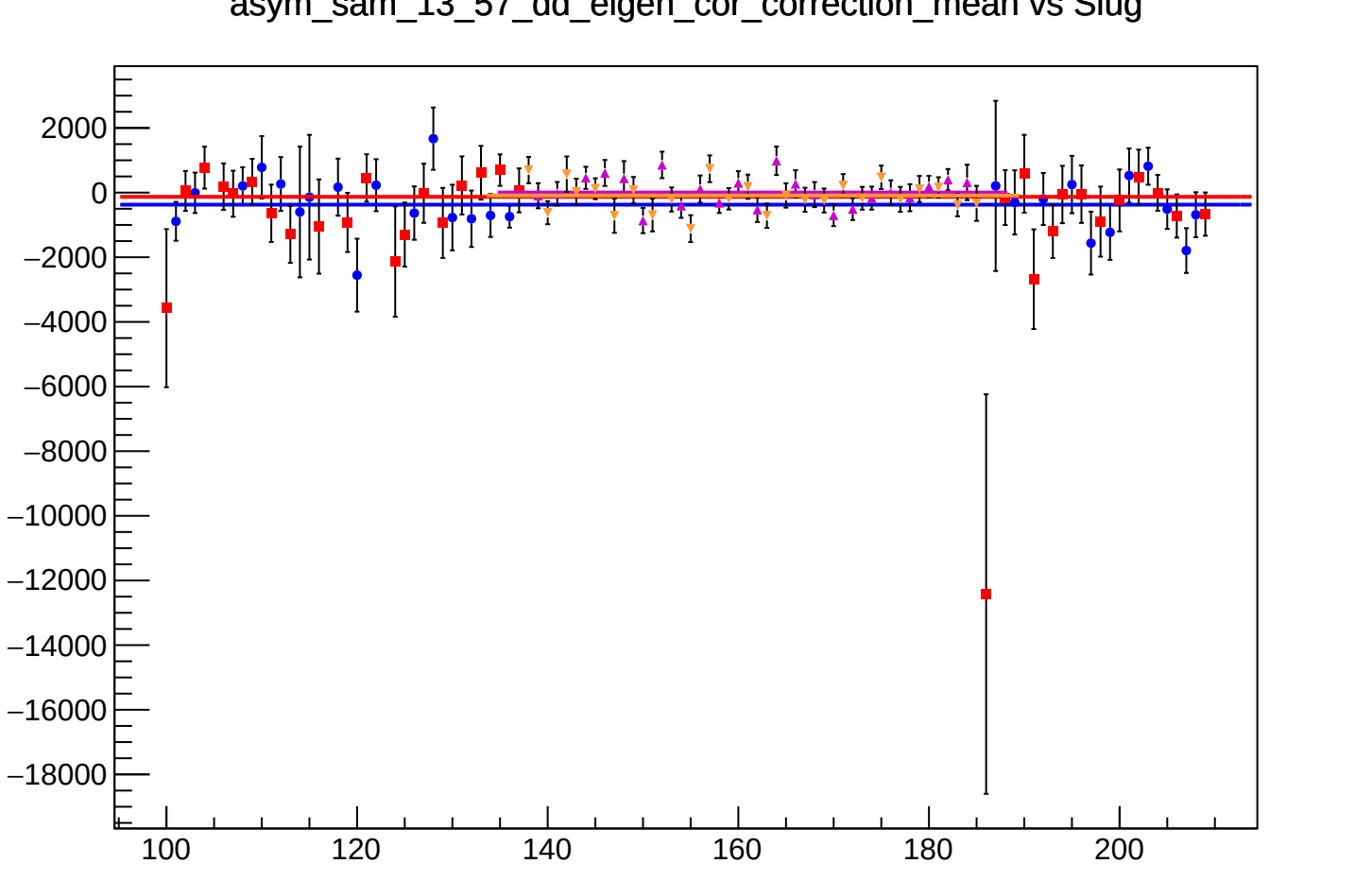
Right Out: 67.584+/-0.012 χ^2/NDF: 1956851.1/31

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.474+/-0.007 χ^2/NDF: 1923473.6/51

All: 61.091+/-0.005 χ^2/NDF: 4429130.6/106

- sign 61.732+/-0.007 χ^2/NDF: 2491203.6/54



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -131.295+/-145.448 χ^2/NDF: 27.1/31

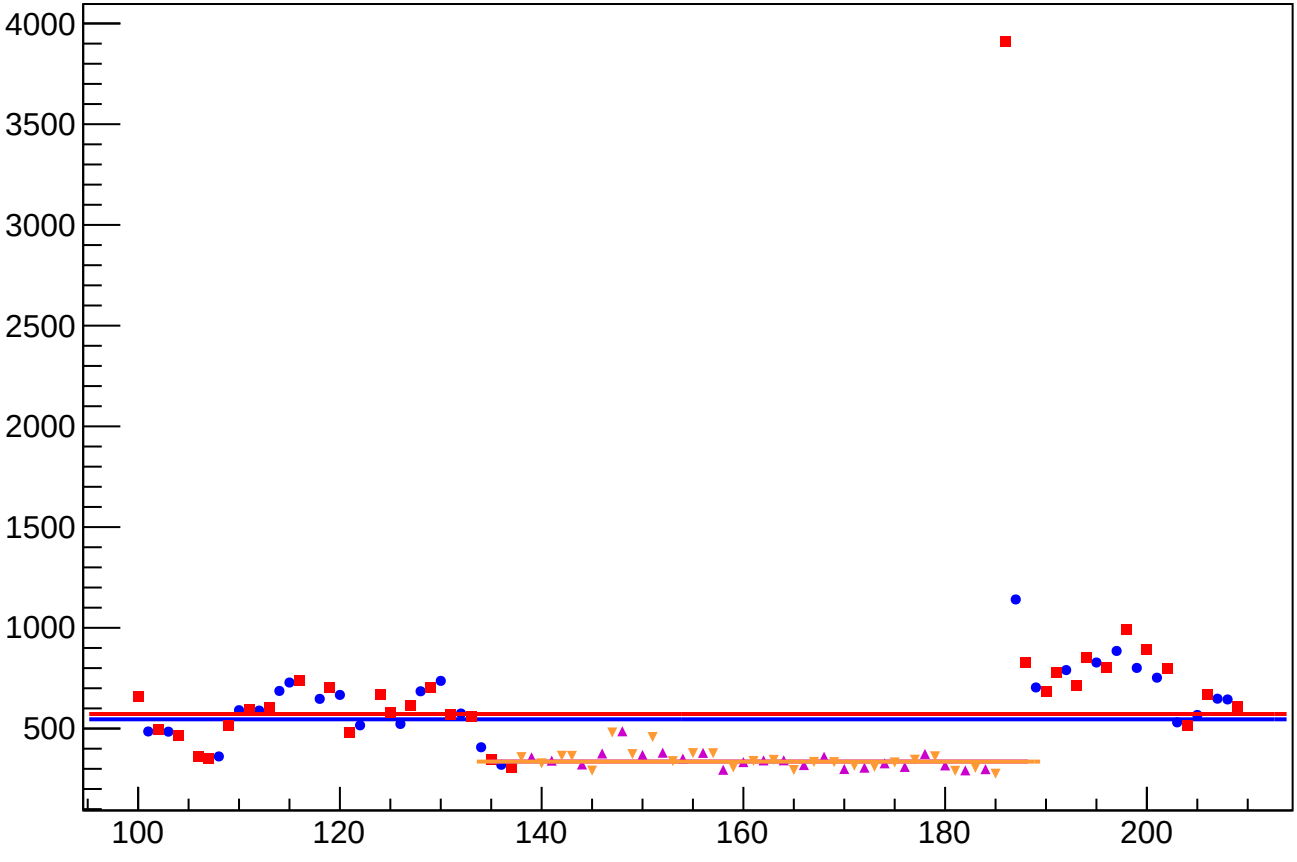
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -152.430+/-67.888 χ^2/NDF: 61.2/51

All: -91.562+/-48.581 χ^2/NDF: 124.2/106

- sign -27.672+/-69.552 χ^2/NDF: 61.3/54

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 572.151+/-0.103 χ^2/NDF: 3293426.9/31

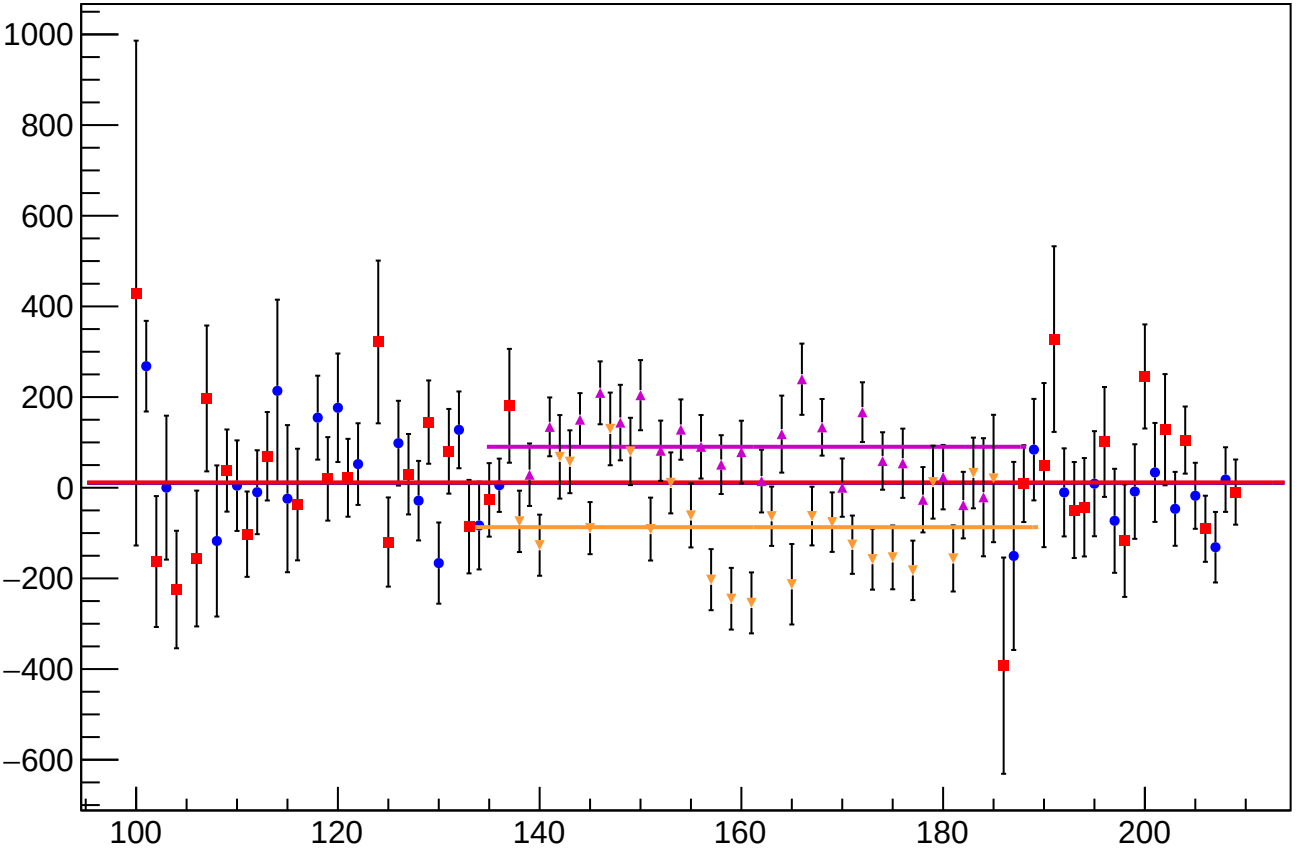
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 382.697+/-0.048 χ^2/NDF: 6430932.4/51

All: 386.389+/-0.034 χ^2/NDF: 14205535.4/10

- sign 390.264+/-0.049 χ^2/NDF: 7762477.2/54

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 11.660+/-18.628 χ^2/NDF: 36.6/31

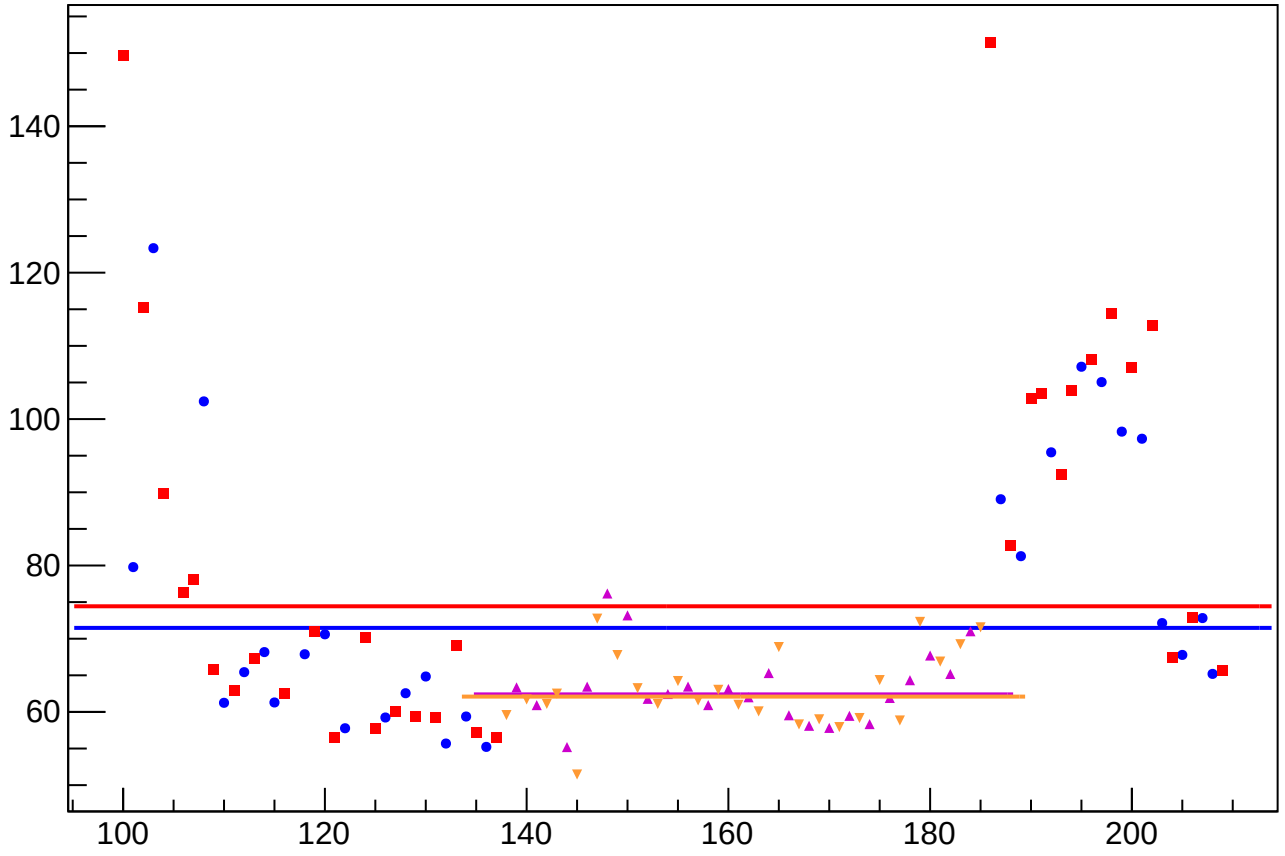
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.939+/-11.263 χ^2/NDF: 92.7/51

All: 3.418+/-8.053 χ^2/NDF: 213.0/106

- sign 60.271+/-11.519 χ^2/NDF: 72.6/54

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.478+/-0.013 χ^2/NDF: 1481311.7/26

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

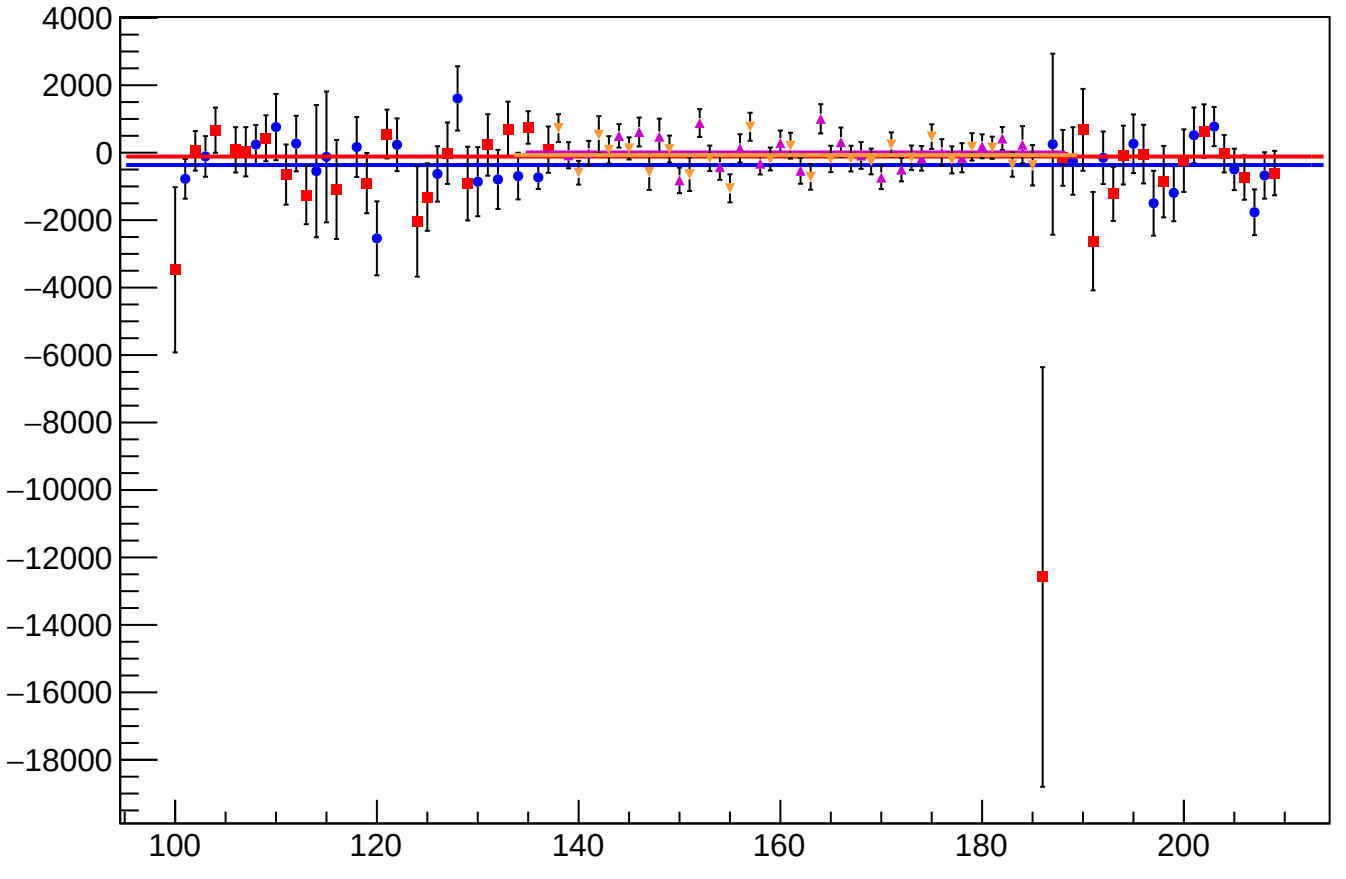
Right Out: 74.430+/-0.013 χ^2/NDF: 2039340.4/31

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.553+/-0.008 χ^2/NDF: 2037859.6/51

All: 66.258+/-0.006 χ^2/NDF: 4797638.4/106

- sign 66.996+/-0.008 χ^2/NDF: 2743718.8/54



Right In: -366.875+/-143.192 χ^2/NDF: 27.4/26

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -114.316+/-143.319 χ^2/NDF: 28.3/31

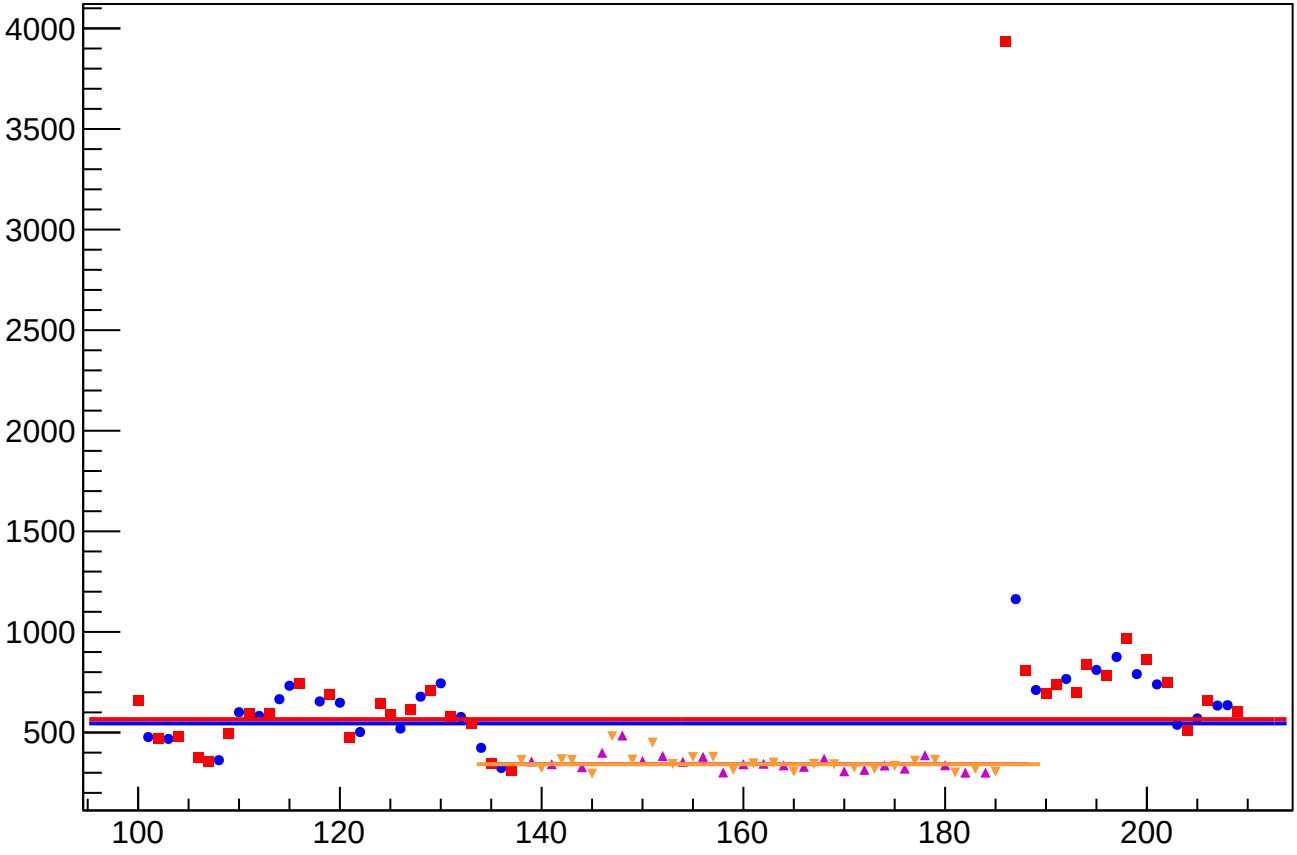
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -139.488+/-68.767 χ^2/NDF: 59.2/51

All: -82.525+/-49.179 χ^2/NDF: 123.4/106

- sign -22.895+/-70.358 χ^2/NDF: 62.8/54

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 545.334+/-0.101 χ^2/NDF: 2454999.0/26

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 566.430+/-0.101 χ^2/NDF: 3134765.0/31

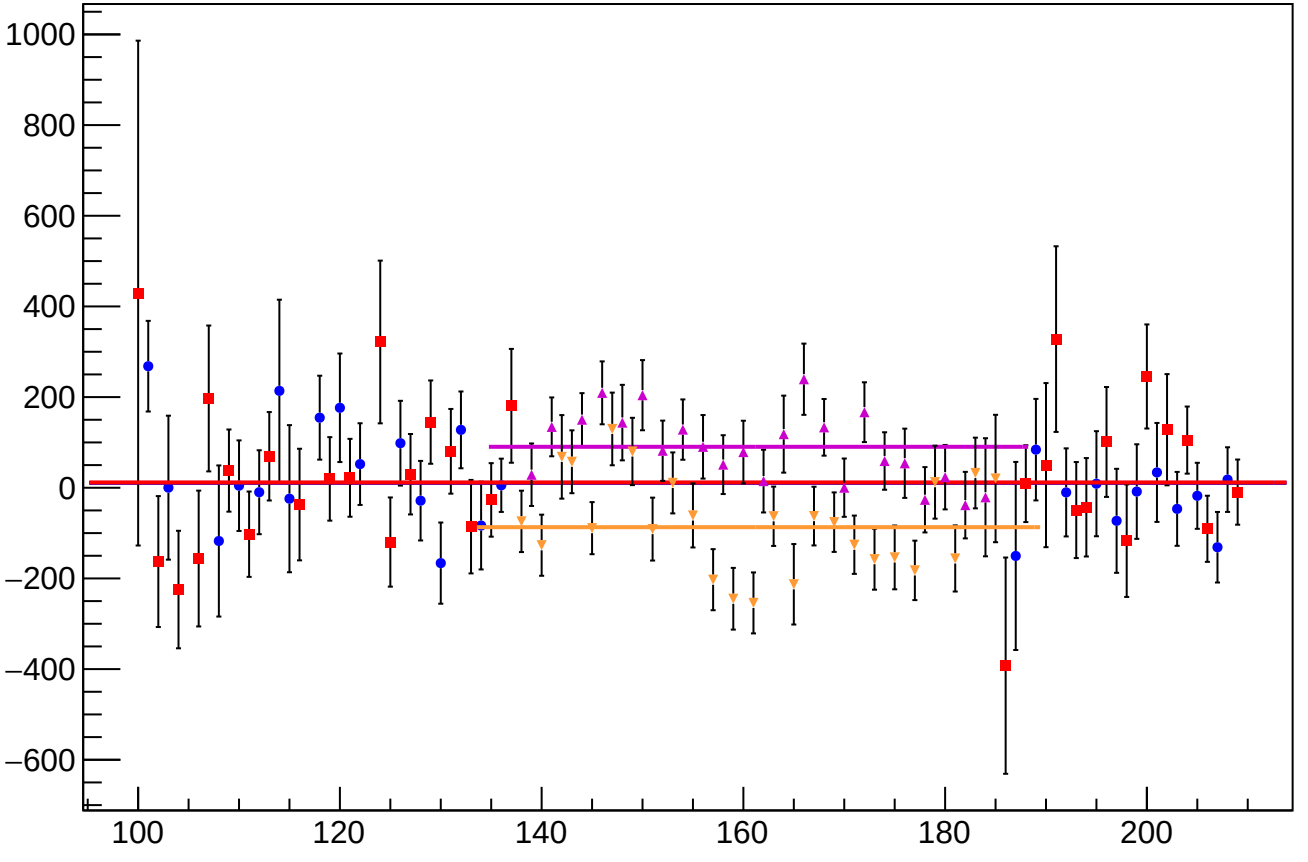
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 389.282+/-0.049 χ^2/NDF: 5976645.4/51

All: 393.069+/-0.035 χ^2/NDF: 13178033.7/10

- sign 397.033+/-0.050 χ^2/NDF: 7188974.2/54

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 11.660+/-18.628 χ^2/NDF: 36.6/31

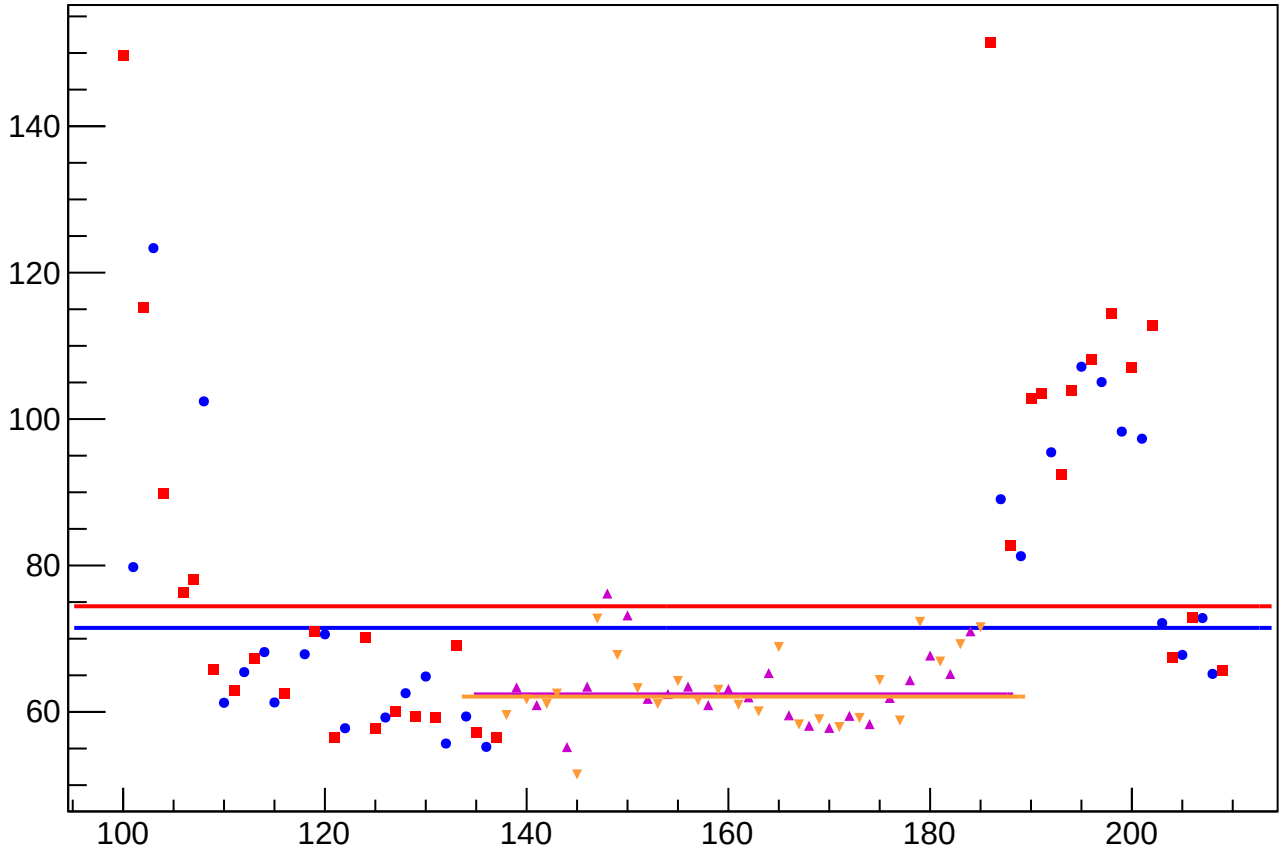
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -50.939+/-11.263 χ^2/NDF: 92.7/51

All: 3.418+/-8.053 χ^2/NDF: 213.0/106

\- sign 60.271+/-11.519 χ^2/NDF: 72.6/54

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.478+/-0.013 χ^2/NDF: 1481332.8/26

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

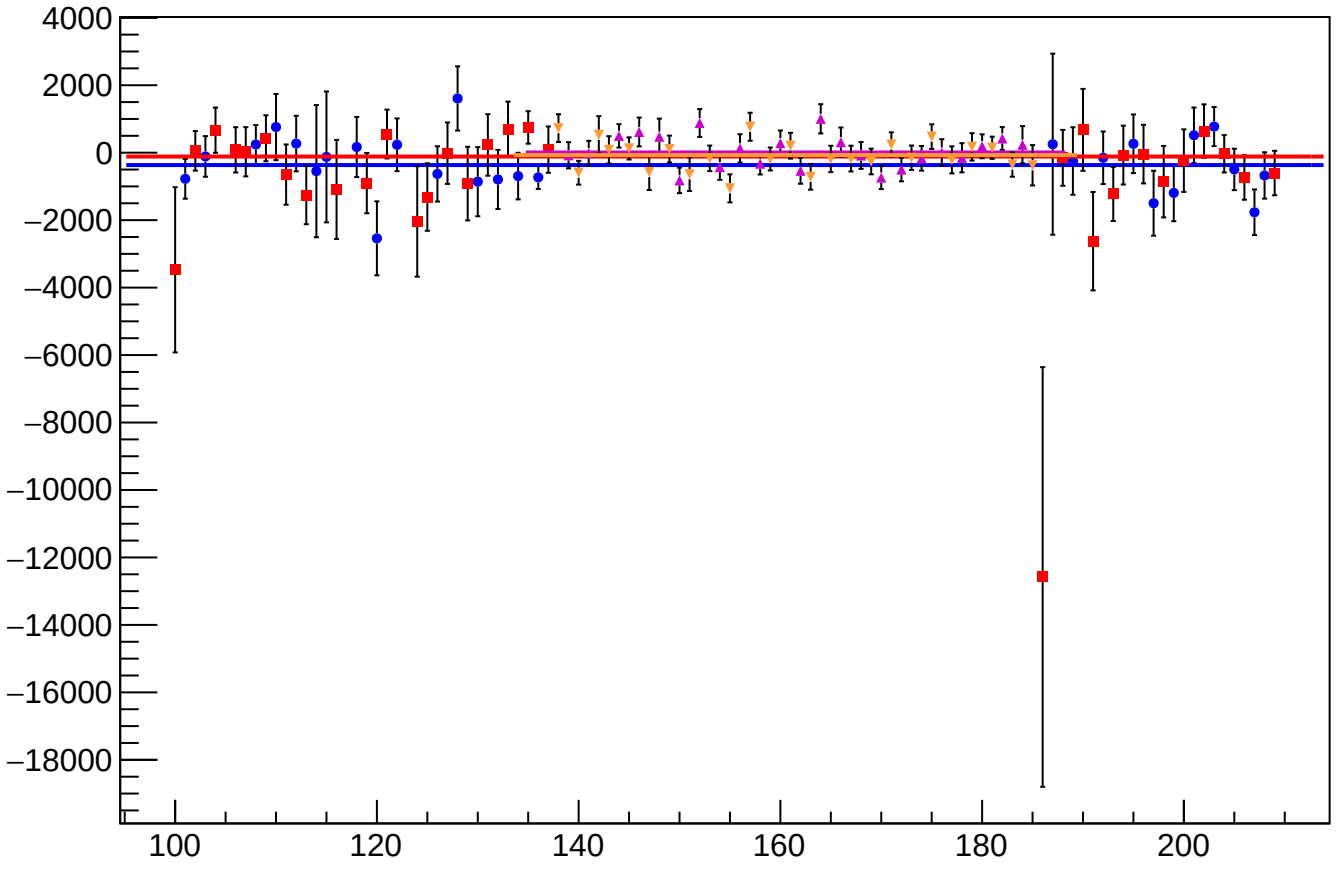
Right Out: 74.429+/-0.013 χ^2/NDF: 2039343.1/31

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.553+/-0.008 χ^2/NDF: 2037881.1/51

All: 66.258+/-0.006 χ^2/NDF: 4797659.0/106

- sign 66.996+/-0.008 χ^2/NDF: 2743717.5/54



Right In: -366.875+/-143.191 χ^2/NDF: 27.4/26

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

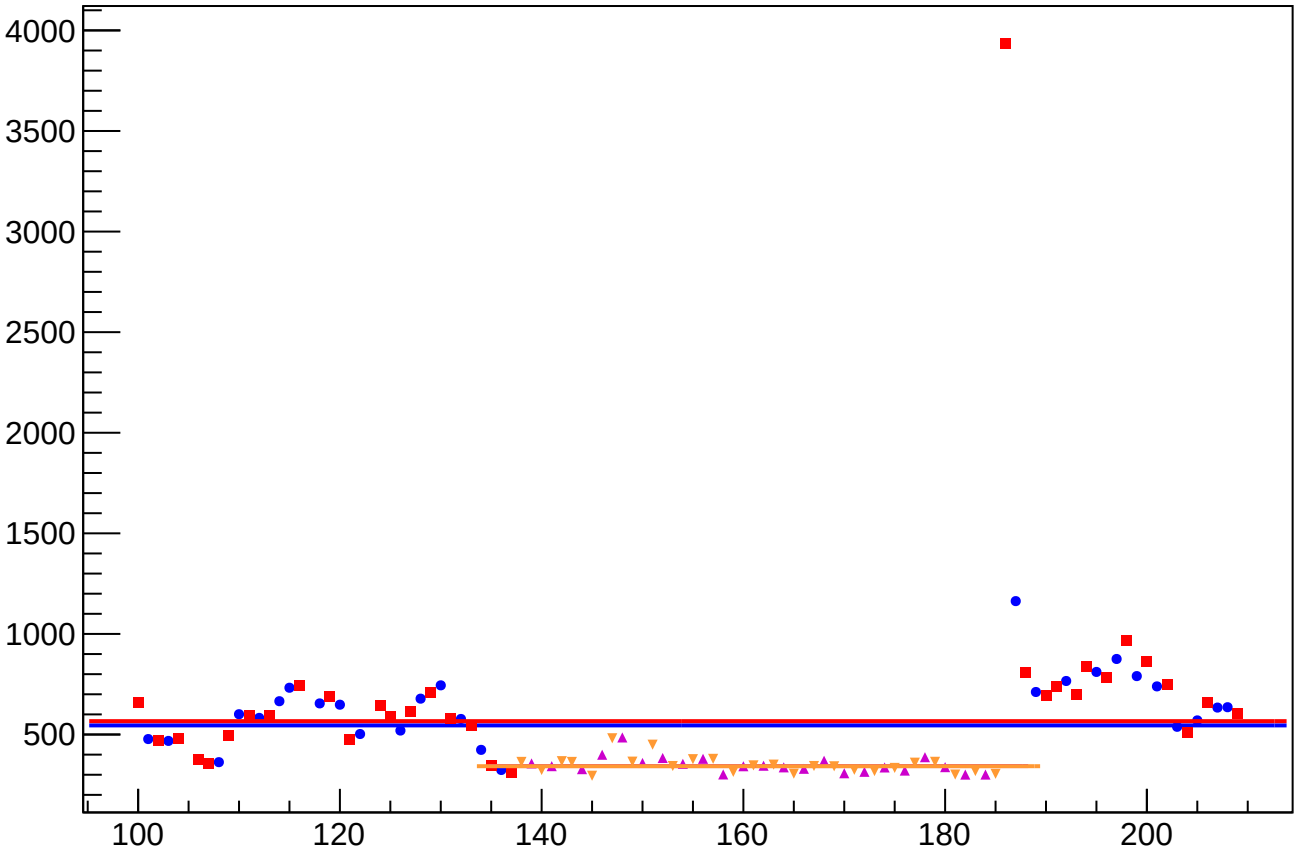
Right Out: -114.316+/-143.319 χ^2/NDF: 28.3/31

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -139.488+/-68.767 χ^2/NDF: 59.2/51

All: -82.525+/-49.179 χ^2/NDF: 123.4/106

- sign -22.895+/-70.358 χ^2/NDF: 62.8/54



Right In: 545.333+/-0.101 χ^2/NDF: 2455002.5/26

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 566.429+/-0.101 χ^2/NDF: 3134770.7/31

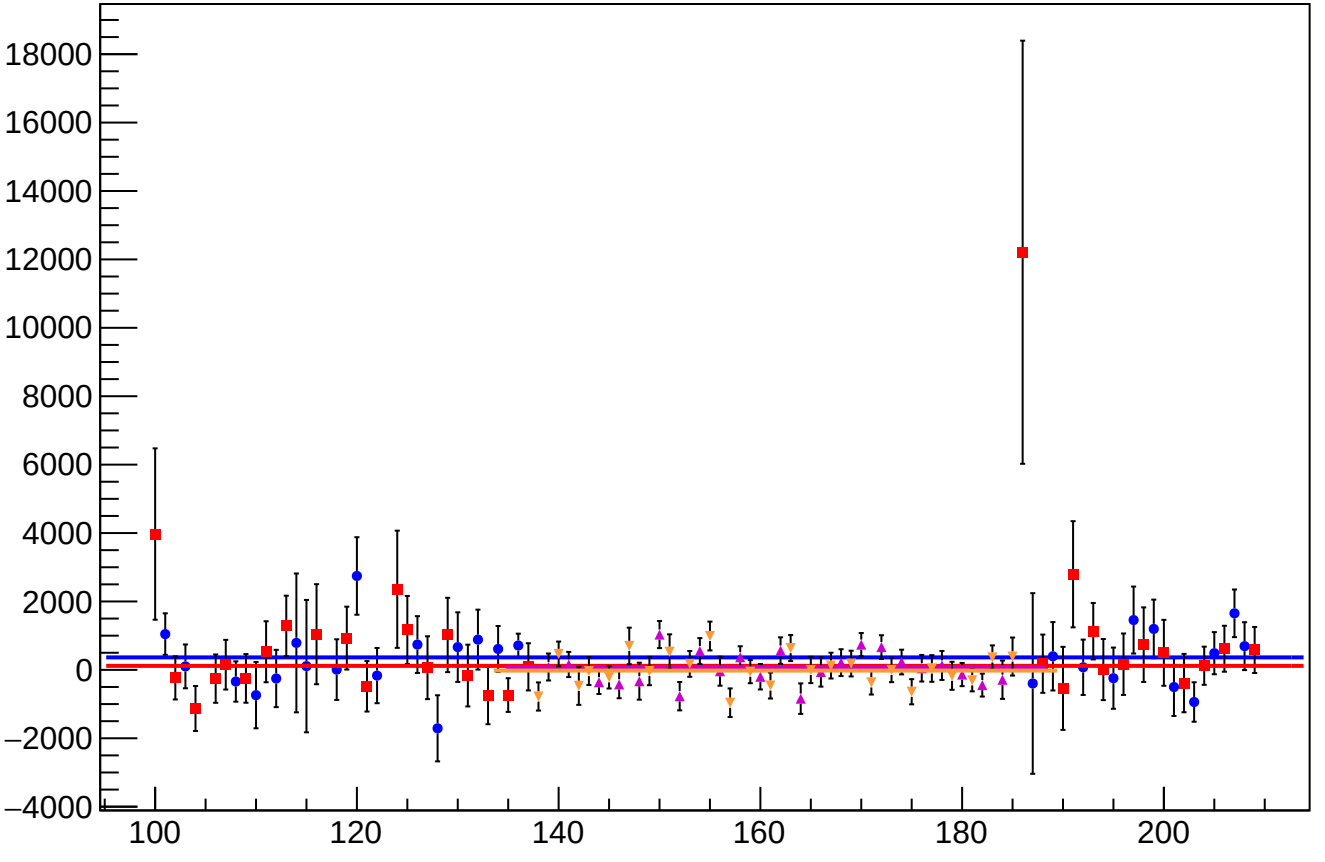
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 389.282+/-0.049 χ^2/NDF: 5976637.4/51

All: 393.069+/-0.035 χ^2/NDF: 13178010.9/10

- sign 397.033+/-0.050 χ^2/NDF: 7188959.2/54

asym_sam_13_57_dd_mean vs Slug



Right In: 364.897+/-145.179 χ^2/NDF: 28.9/26

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 116.869+/-146.598 χ^2/NDF: 28.8/31

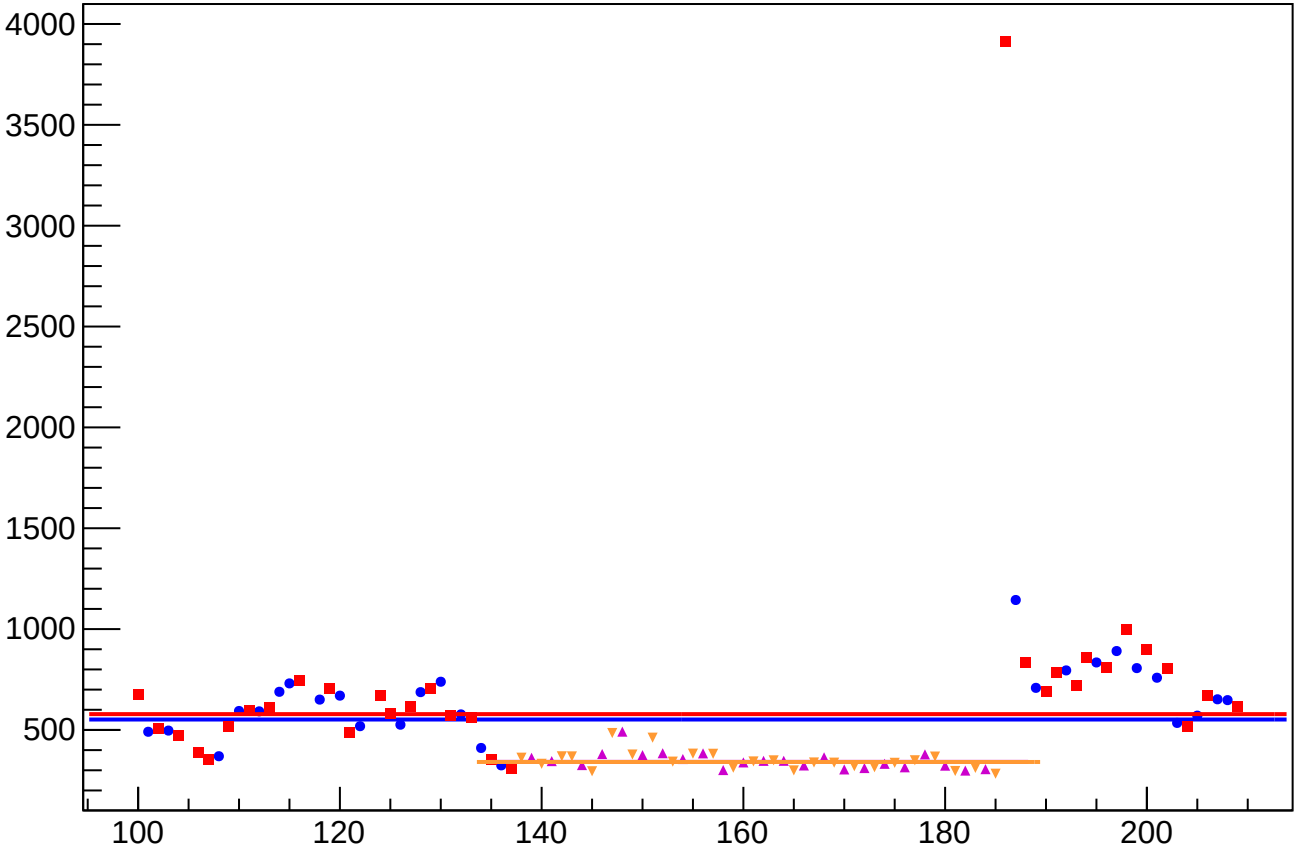
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 66.342+/-68.845 χ^2/NDF: 65.8/51

All: 76.690+/-49.256 χ^2/NDF: 127.6/106

- sign 87.542+/-70.501 χ^2/NDF: 61.7/54

asym_sam_13_57_dd_rms vs Slug



Right In: 551.722+/-0.103 χ^2/NDF: 2524124.8/26

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

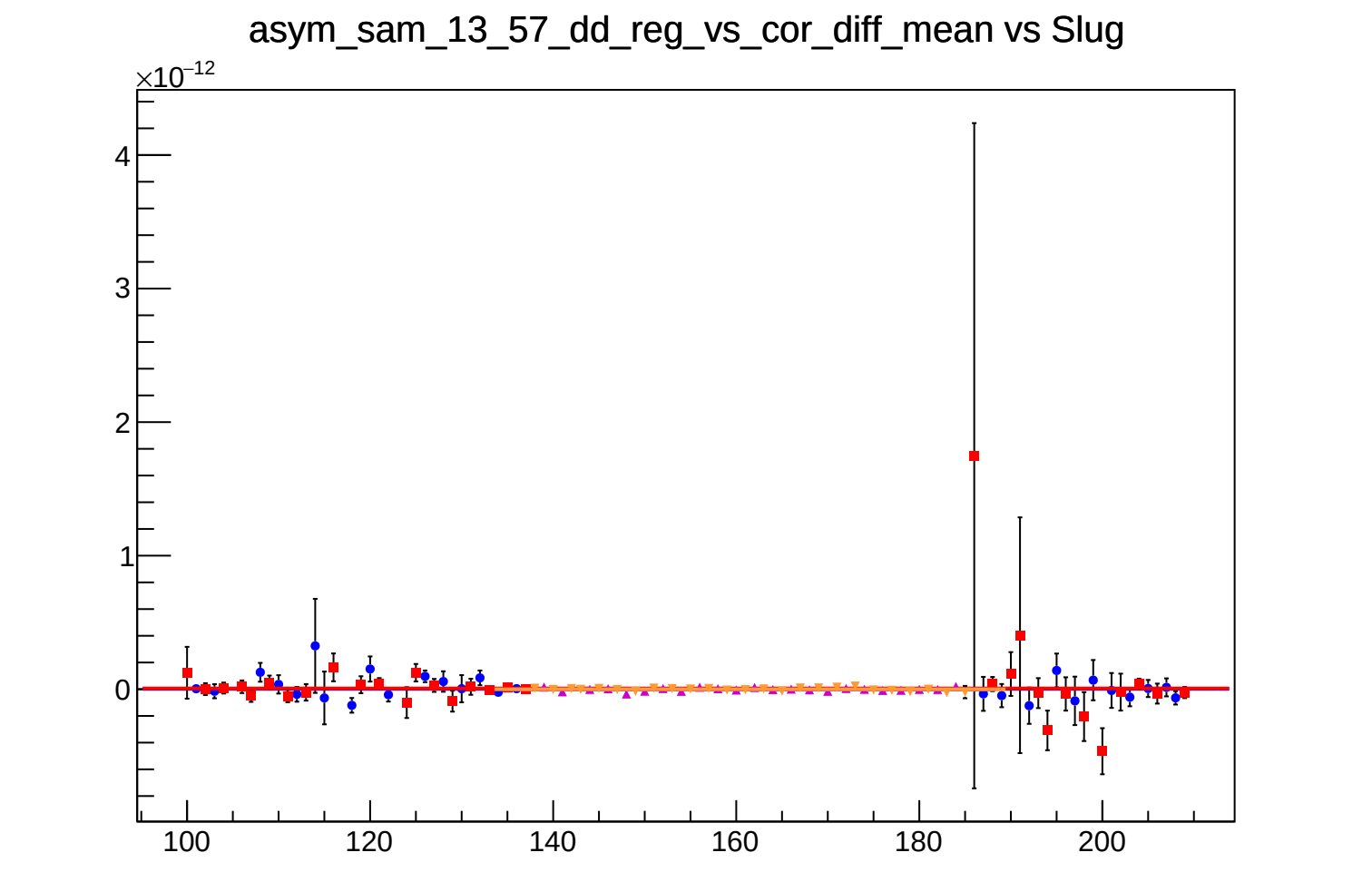
Right Out: 578.418+/-0.104 χ^2/NDF: 3211329.5/31

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 388.540+/-0.049 χ^2/NDF: 6294816.3/51

All: 392.371+/-0.035 χ^2/NDF: 13927073.2/10

- sign 396.388+/-0.050 χ^2/NDF: 7619570.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

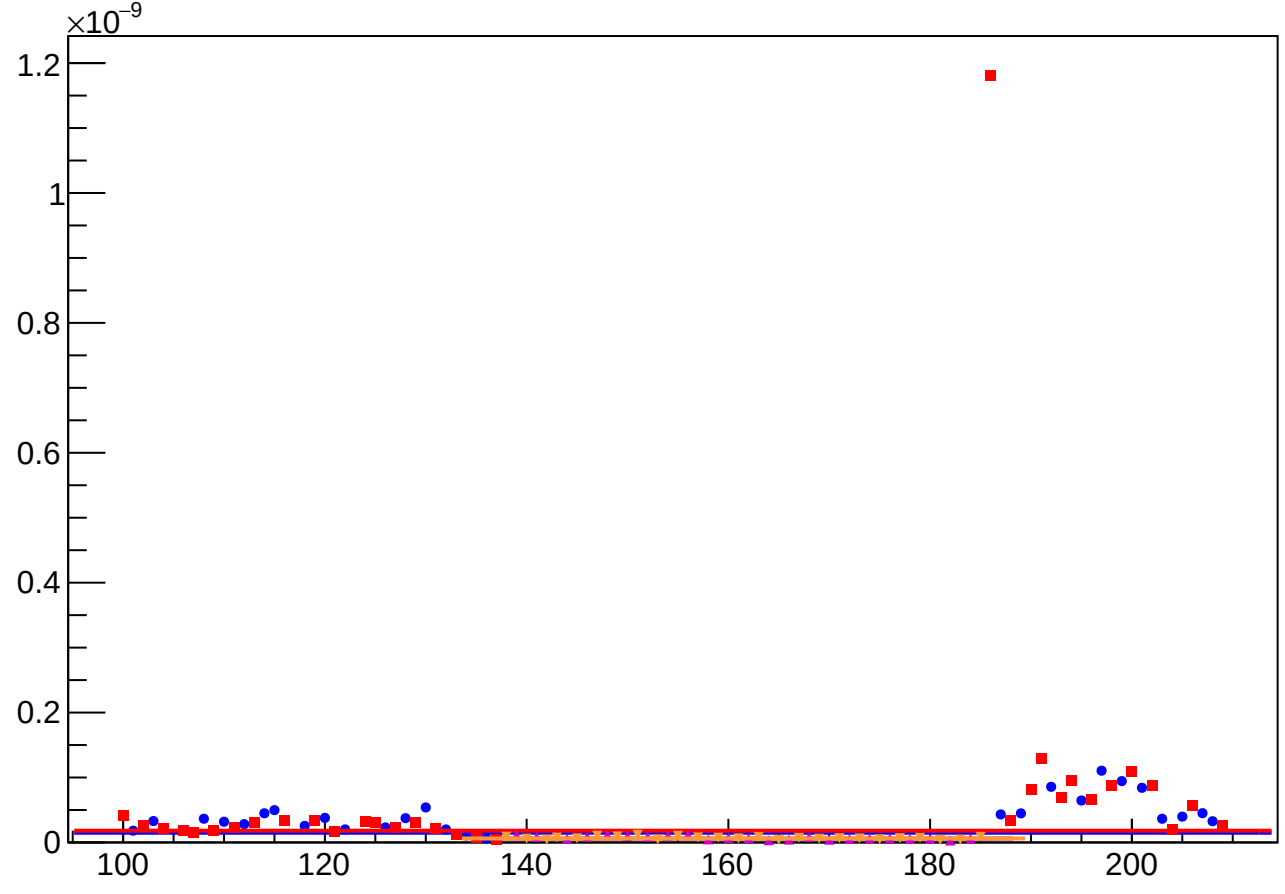
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/31

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.2/51

All: -0.000+/-0.000 χ^2/NDF: 92.1/106

- sign -0.000+/-0.000 χ^2/NDF: 45.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 7139807.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

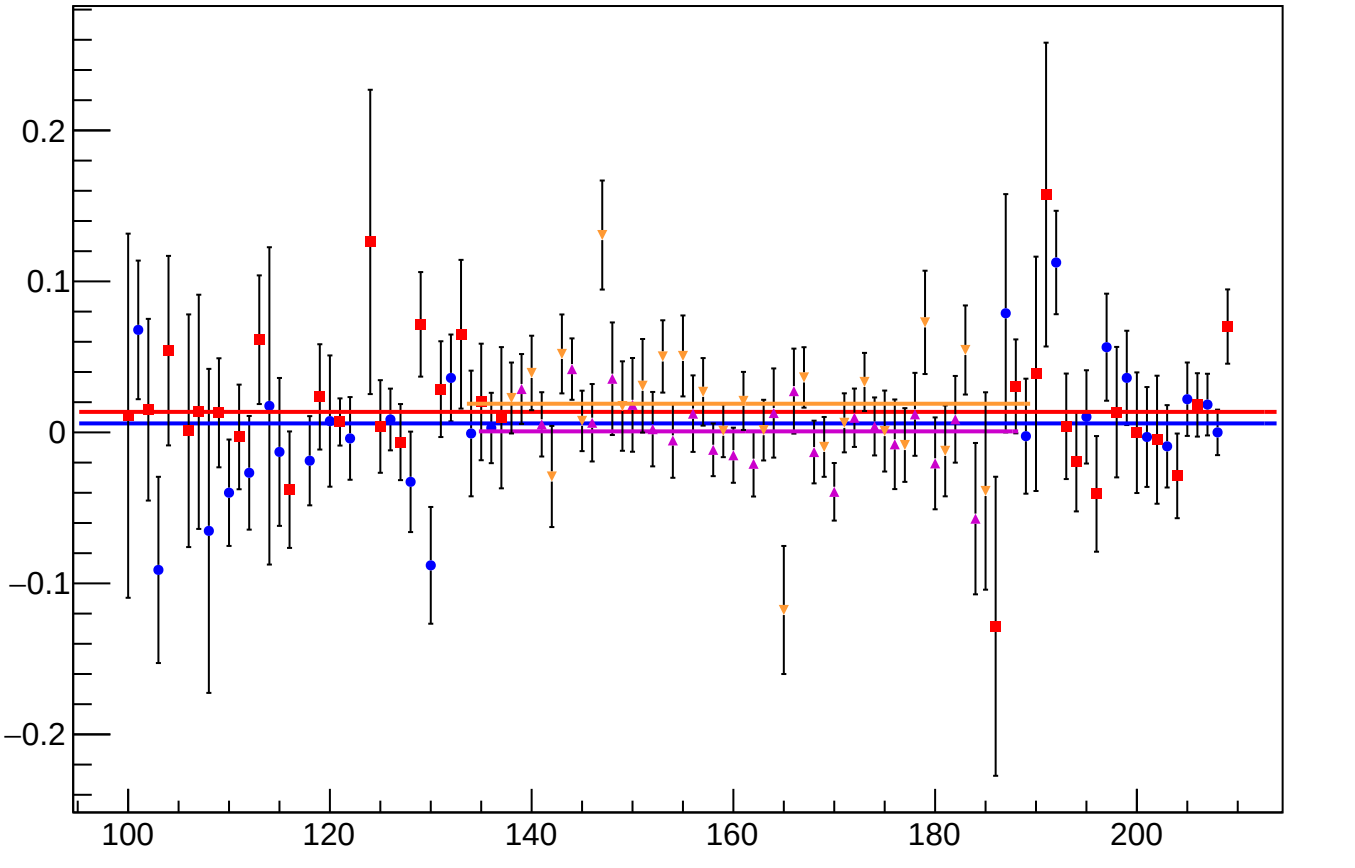
Right Out: 0.000+/-0.000 χ^2/NDF: 6262759.9/31

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10656398.5/51

All: 0.000+/-0.000 χ^2/NDF: 22258180.2/106

- sign 0.000+/-0.000 χ^2/NDF: 11601768.8/54



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

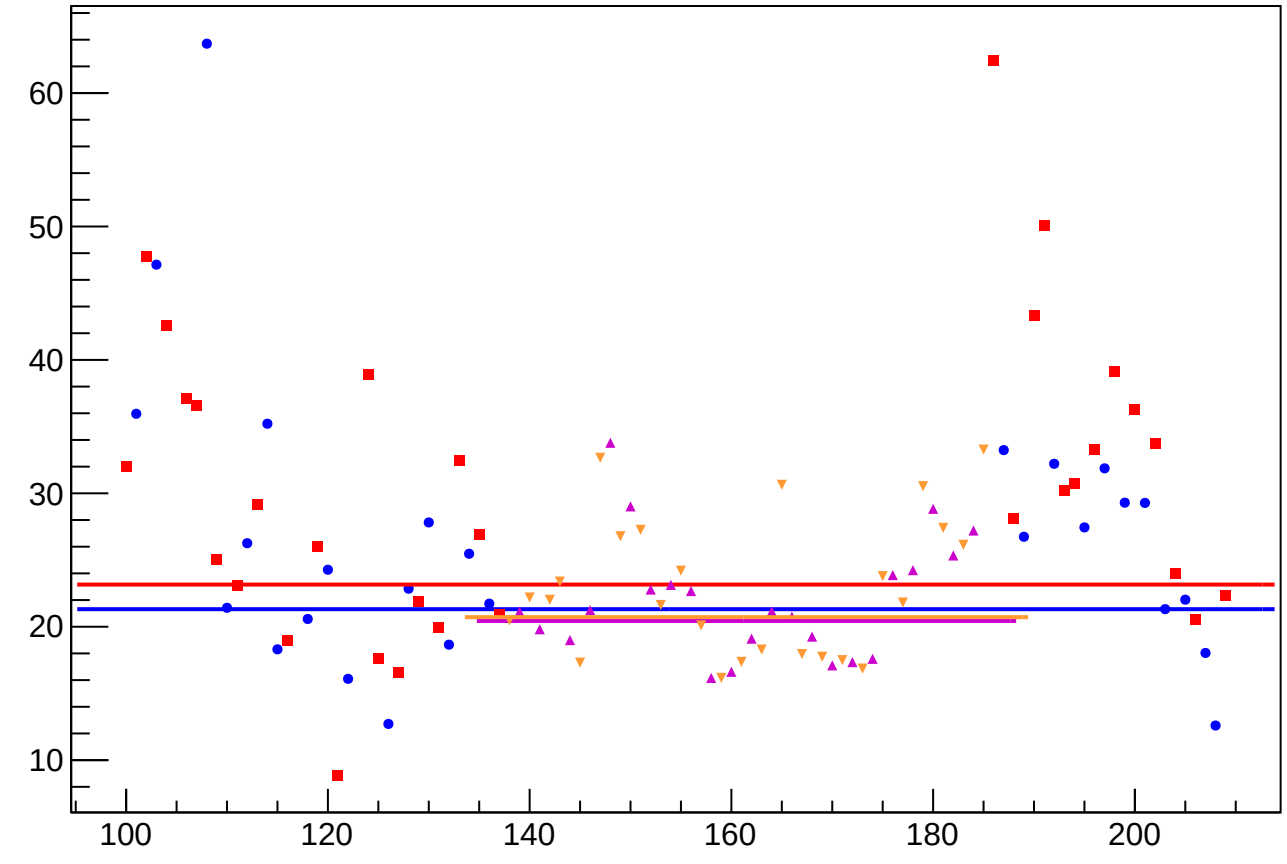
Right Out: 0.014+/-0.006 χ^2/NDF: 25.6/31

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 75.6/51

All: 0.010+/-0.003 χ^2/NDF: 123.7/106

- sign 0.006+/-0.004 χ^2/NDF: 45.9/54



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

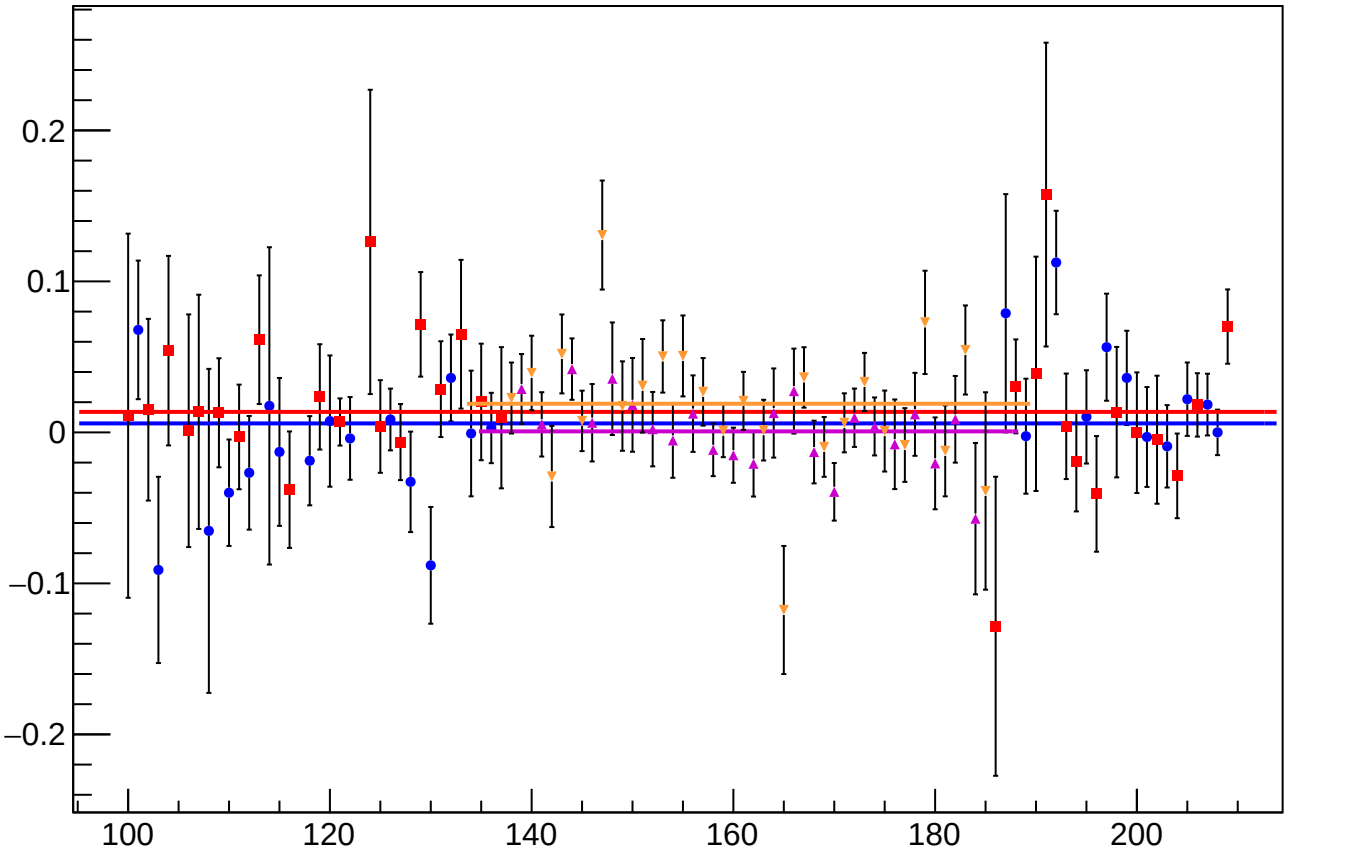
Right Out: 23.161+/-0.004 χ^2/NDF: 4413313.2/31

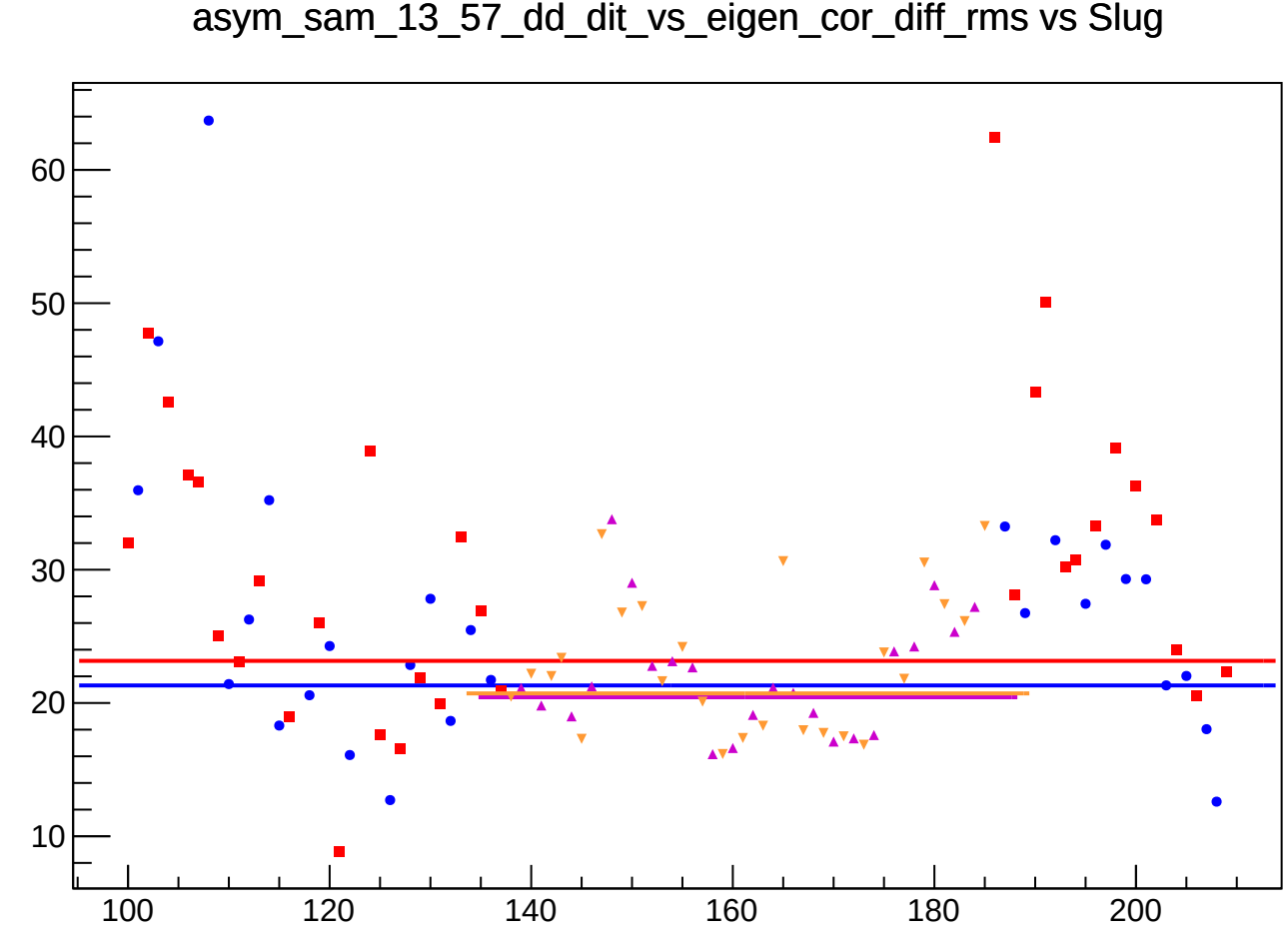
Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513538.1/51

All: 21.210+/-0.002 χ^2/NDF: 10353991.2/106

- sign 21.477+/-0.003 χ^2/NDF: 5822179.7/54


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.006+/-0.006 χ²/NDF: 31.5/26
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.014+/-0.006 χ²/NDF: 25.6/31
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 75.6/51
All: 0.010+/-0.003 χ²/NDF: 123.7/106
- sign 0.006+/-0.004 χ²/NDF: 45.9/54



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

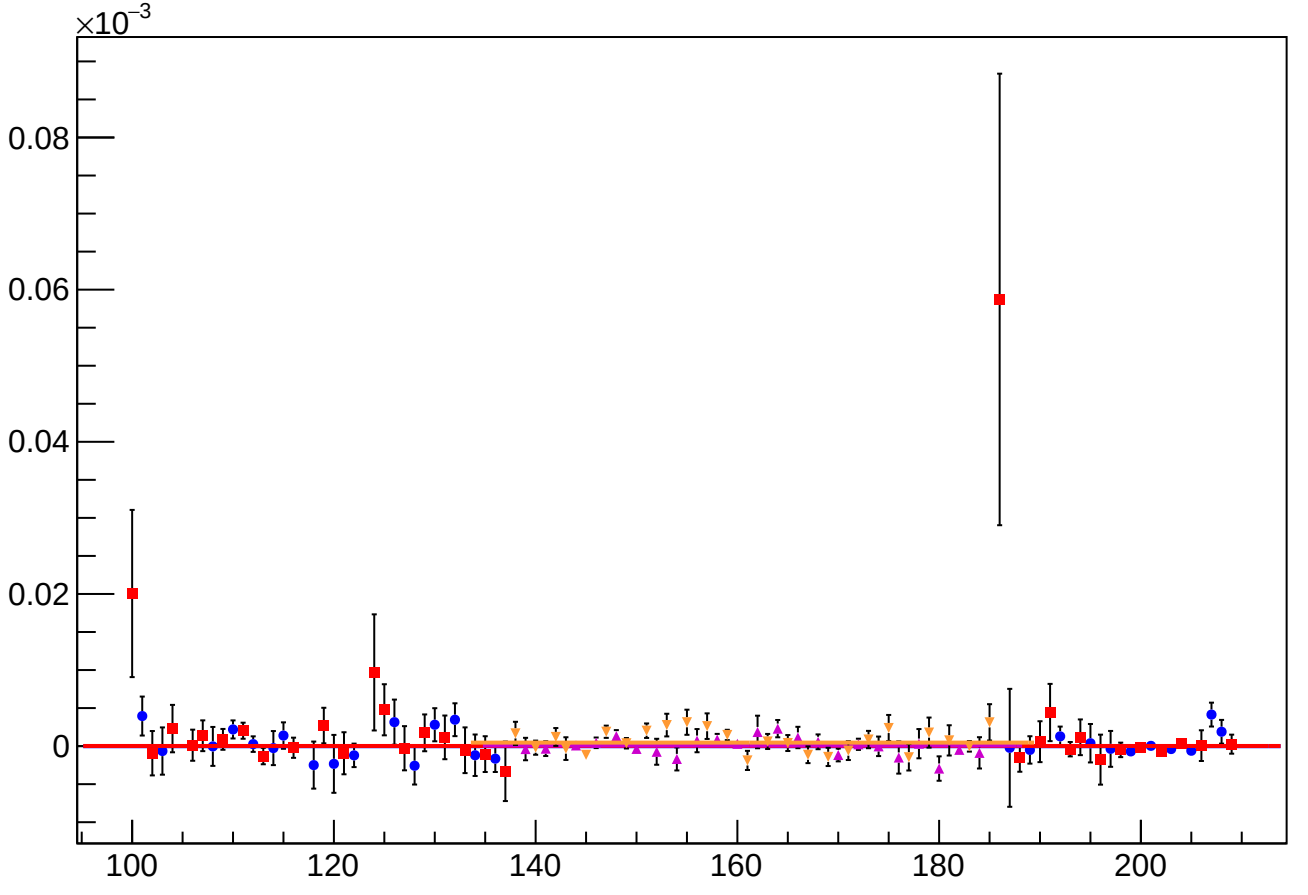
Right Out: 23.161+/-0.004 χ^2/NDF: 4413313.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513538.1/51

All: 21.210+/-0.002 χ^2/NDF: 10353991.2/106

- sign 21.477+/-0.003 χ^2/NDF: 5822179.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

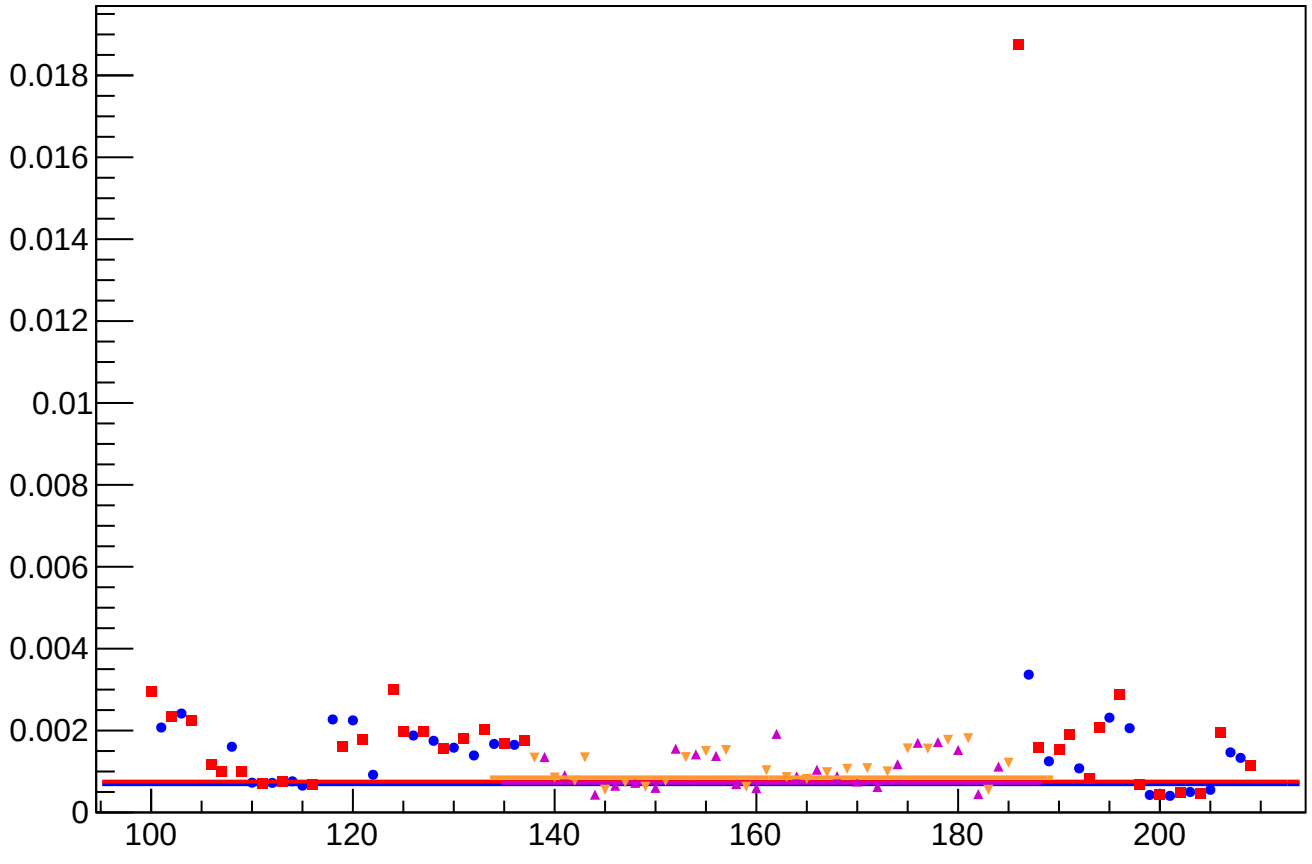
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/31

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/51

All: 0.000+/-0.000 χ^2/NDF: 114.4/106

- sign 0.000+/-0.000 χ^2/NDF: 45.5/54



Right In: 0.001+/-0.000 χ^2/NDF: 9180029.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

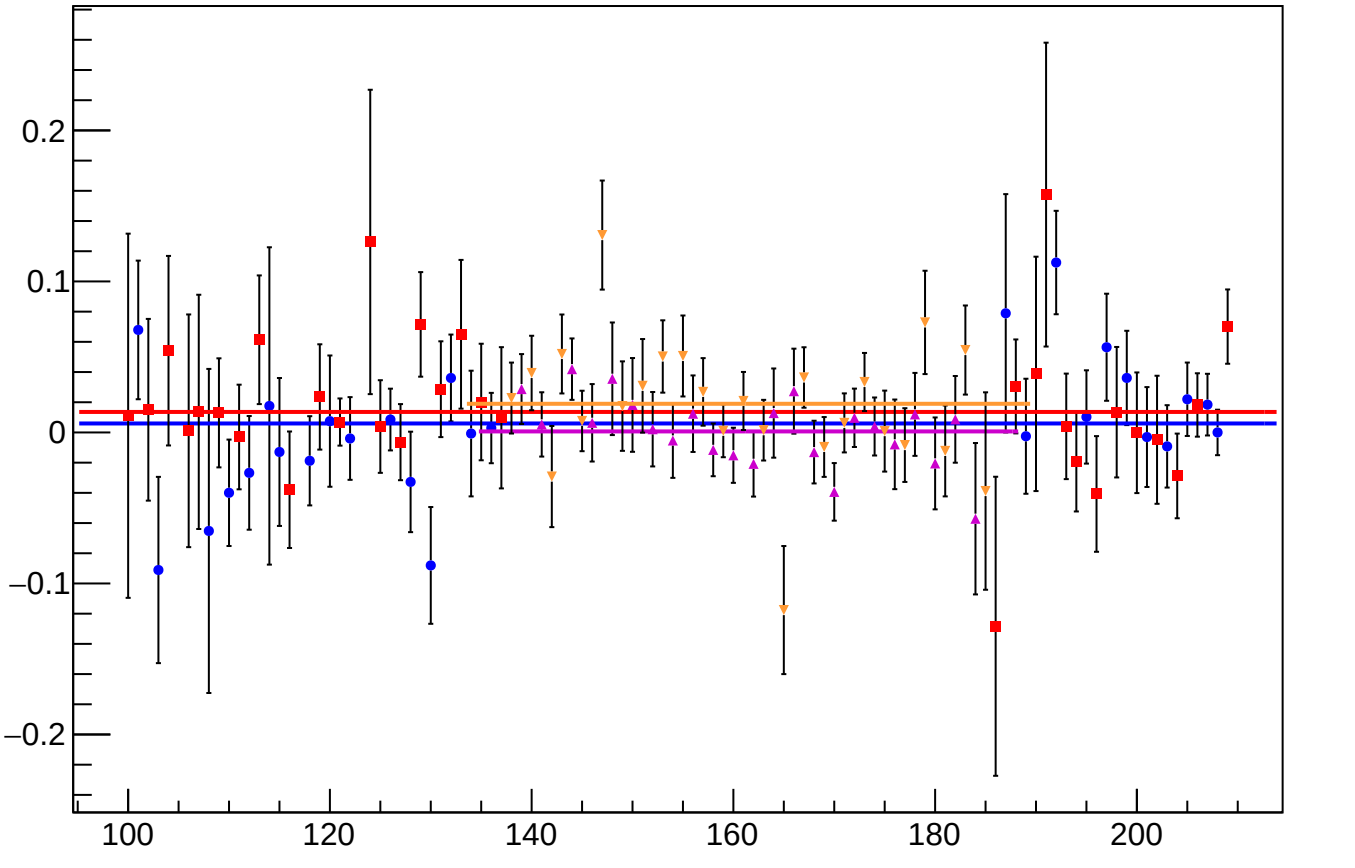
Right Out: 0.001+/-0.000 χ^2/NDF: 9744609.5/31

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 14218681.1/51

All: 0.001+/-0.000 χ^2/NDF: 29854320.1/106

- sign 0.001+/-0.000 χ^2/NDF: 15566820.1/54


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
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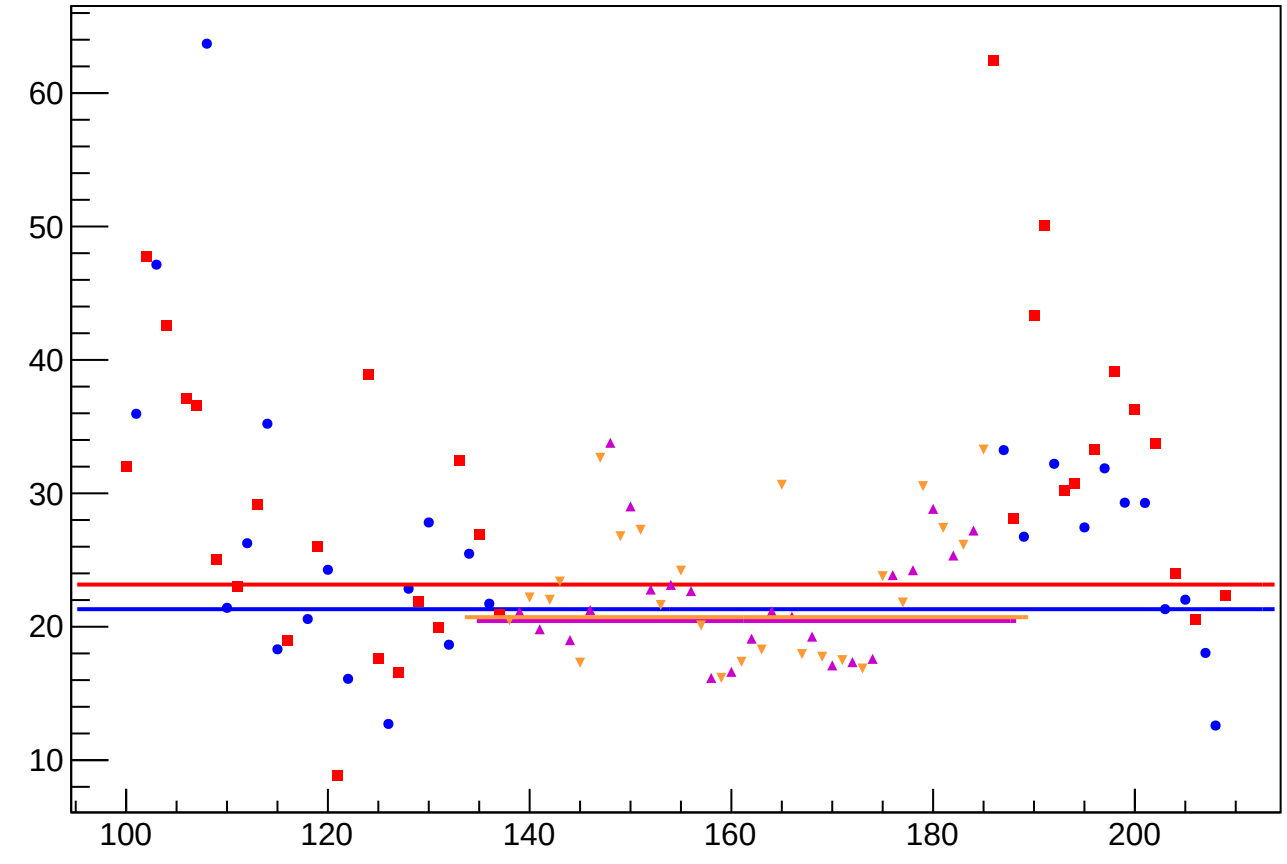
Right In: 0.006+/-0.006 χ²/NDF: 31.5/26
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.014+/-0.006 χ²/NDF: 25.6/31
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 75.6/51
All: 0.010+/-0.003 χ²/NDF: 123.7/106
- sign 0.006+/-0.004 χ²/NDF: 45.9/54



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

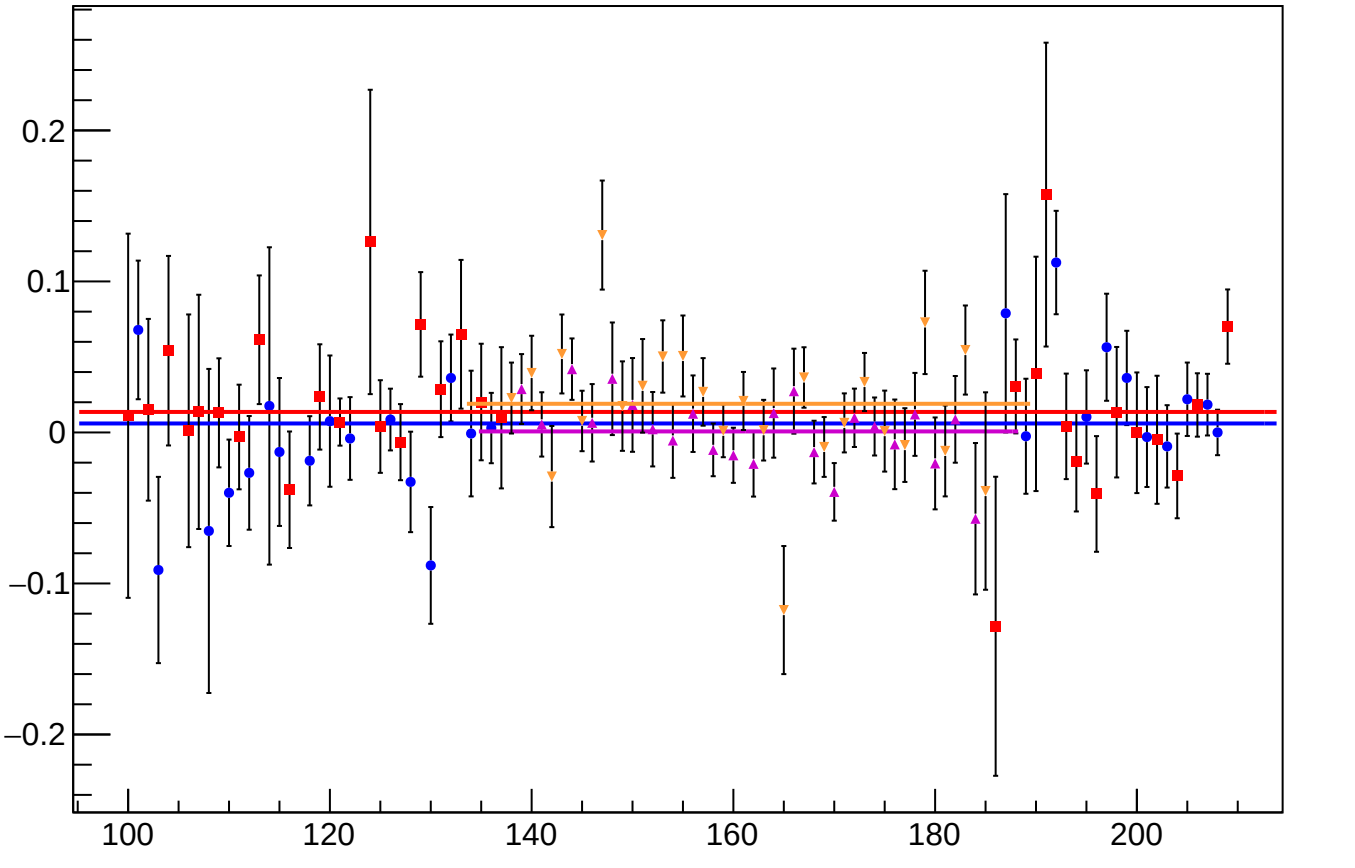
Right Out: 23.161+/-0.004 χ^2/NDF: 4412736.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513636.9/51

All: 21.210+/-0.002 χ^2/NDF: 10353650.1/106

- sign 21.477+/-0.003 χ^2/NDF: 5821725.0/54


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
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−0.1
−0.2
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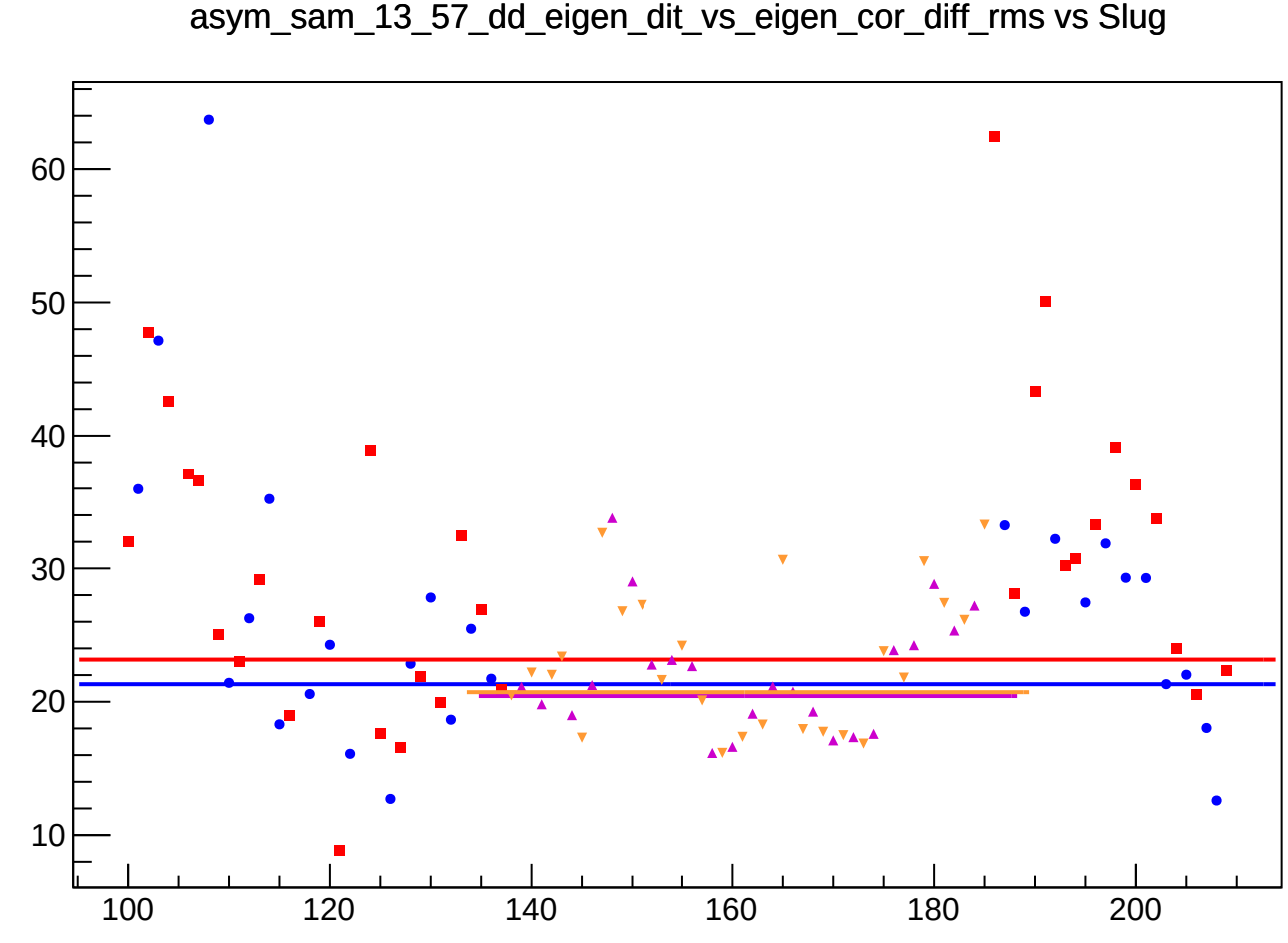
140
160
180
200
Right In: 0.006+/-0.006 χ²/NDF: 31.5/26
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.014+/-0.006 χ²/NDF: 25.6/31
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 75.6/51
All: 0.010+/-0.003 χ²/NDF: 123.7/106
- sign 0.006+/-0.004 χ²/NDF: 45.9/54



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

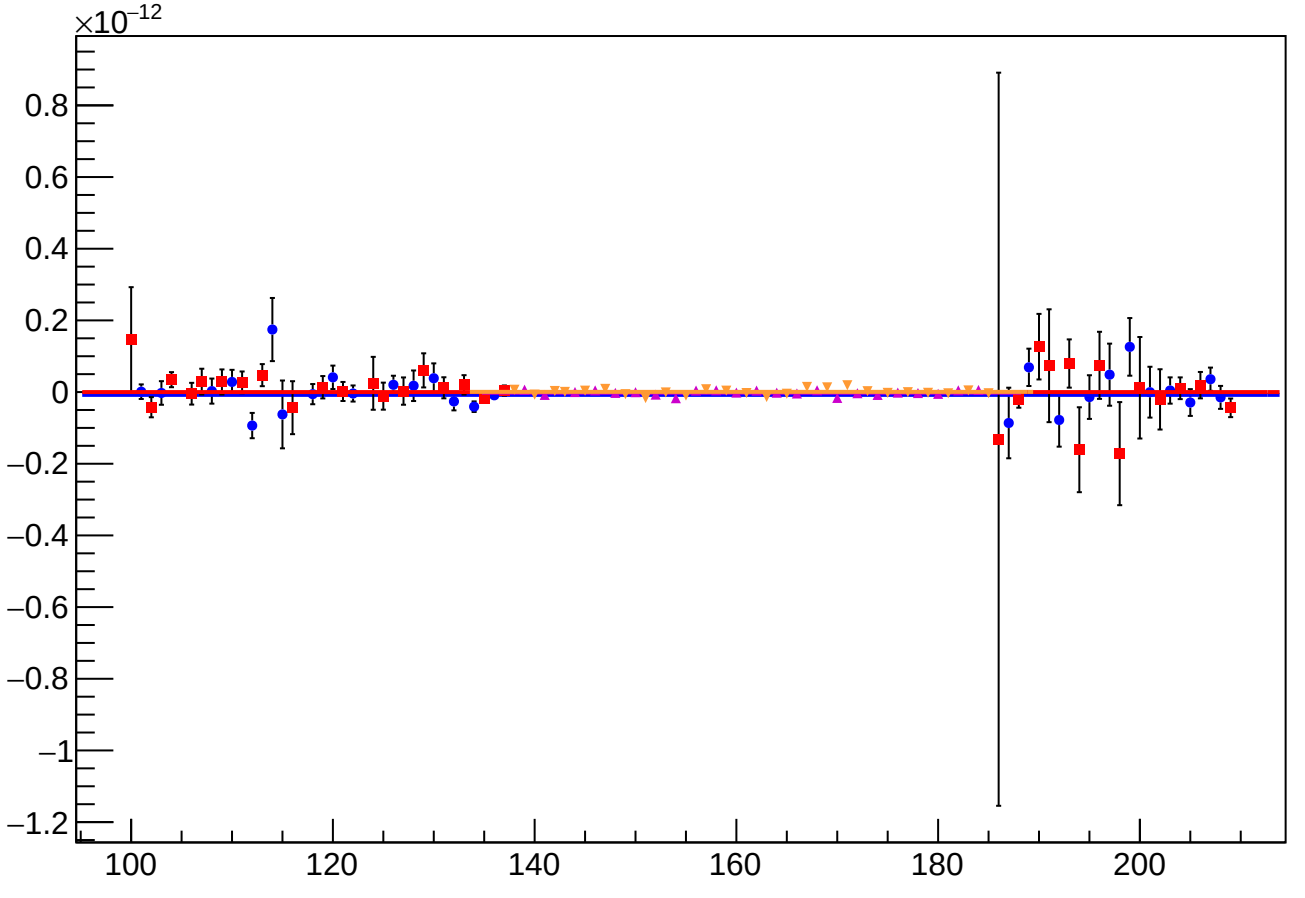
Right Out: 23.161+/-0.004 χ^2/NDF: 4412736.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.961+/-0.003 χ^2/NDF: 4513636.9/51

All: 21.210+/-0.002 χ^2/NDF: 10353650.1/106

- sign 21.477+/-0.003 χ^2/NDF: 5821725.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

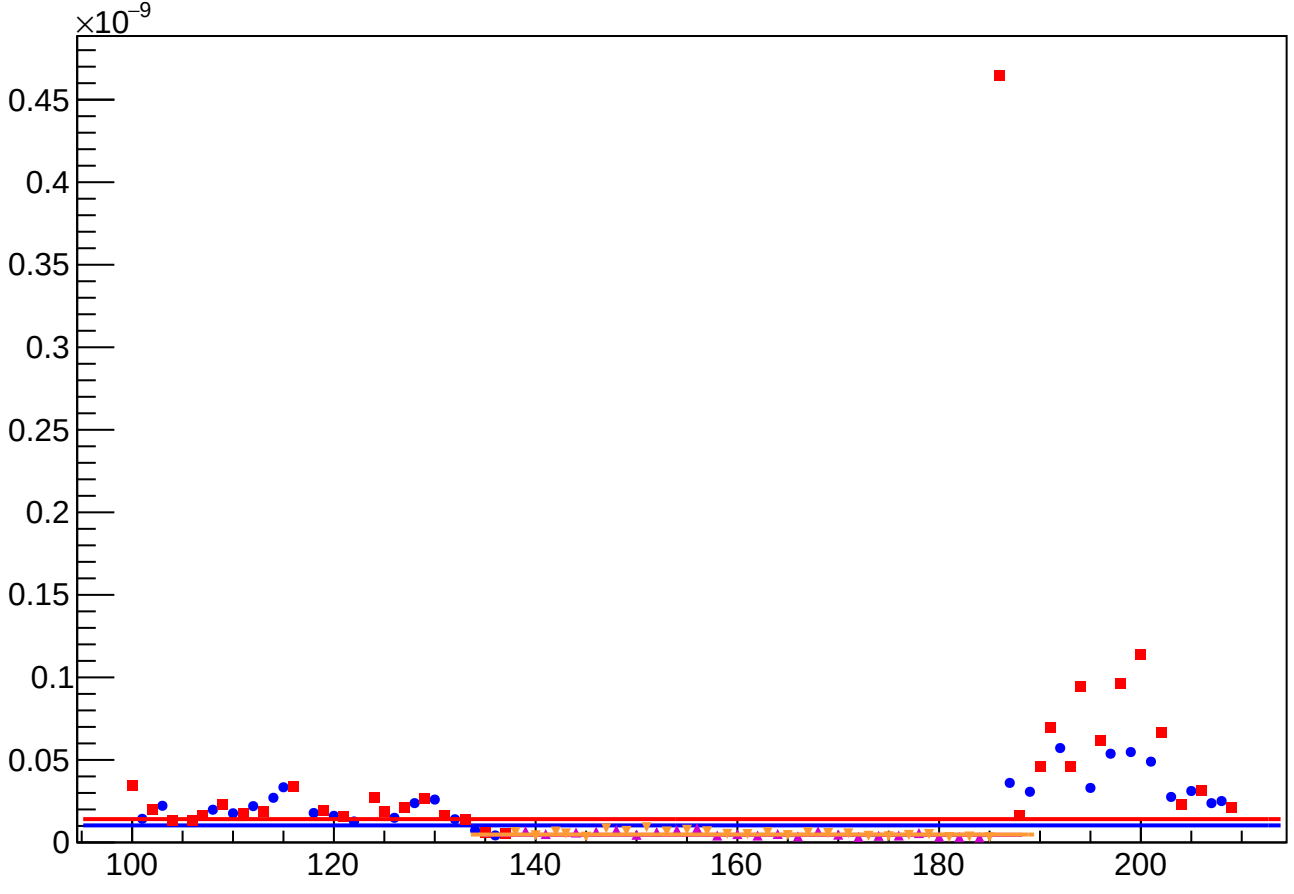
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/31

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.4/51

All: -0.000+/-0.000 χ^2/NDF: 114.3/106

- sign -0.000+/-0.000 χ^2/NDF: 49.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 9188957.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8963986.3/31

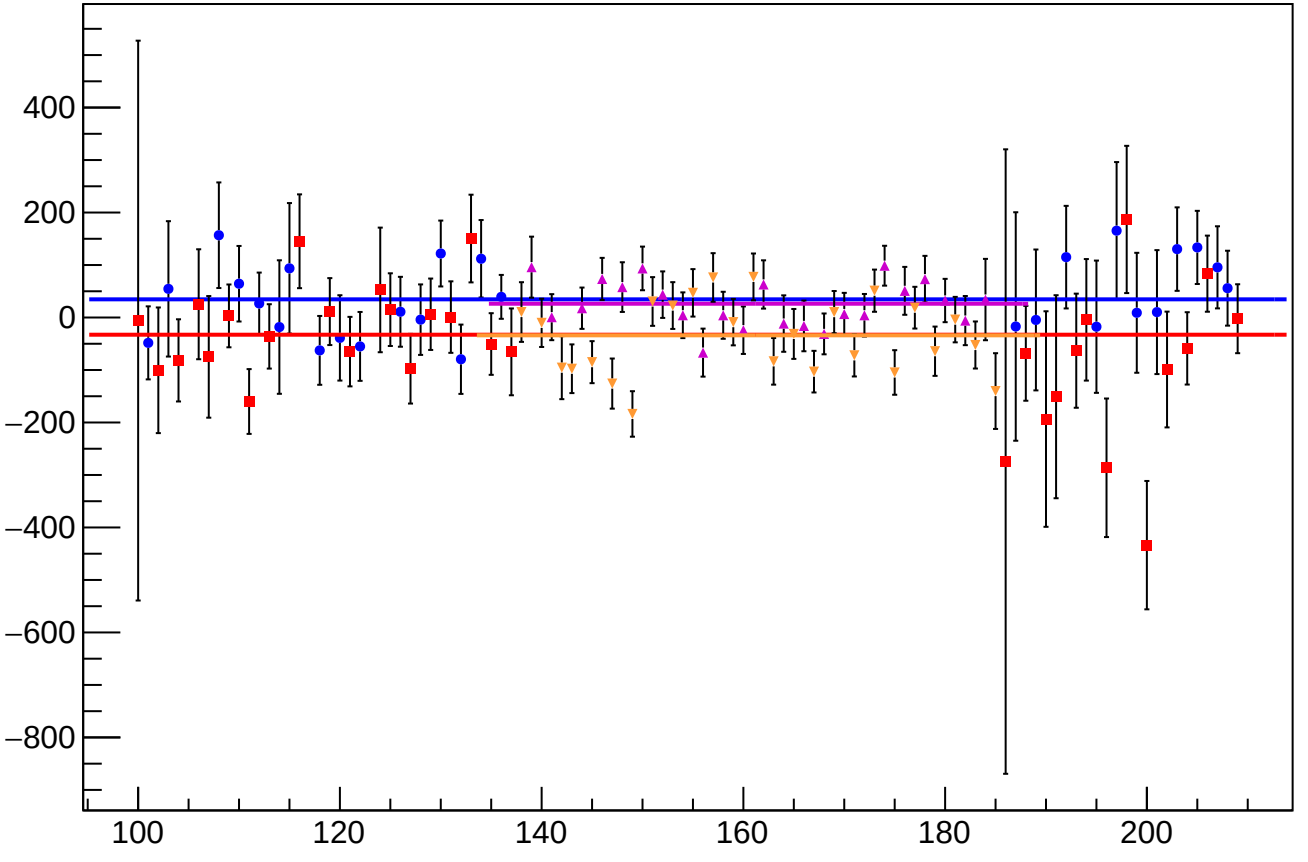
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14349823.6/51

All: 0.000+/-0.000 χ^2/NDF: 31527140.2/106

- sign 0.000+/-0.000 χ^2/NDF: 17173927.8/54

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 34.621+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -32.777+/-14.821 χ^2/NDF: 39.6/31

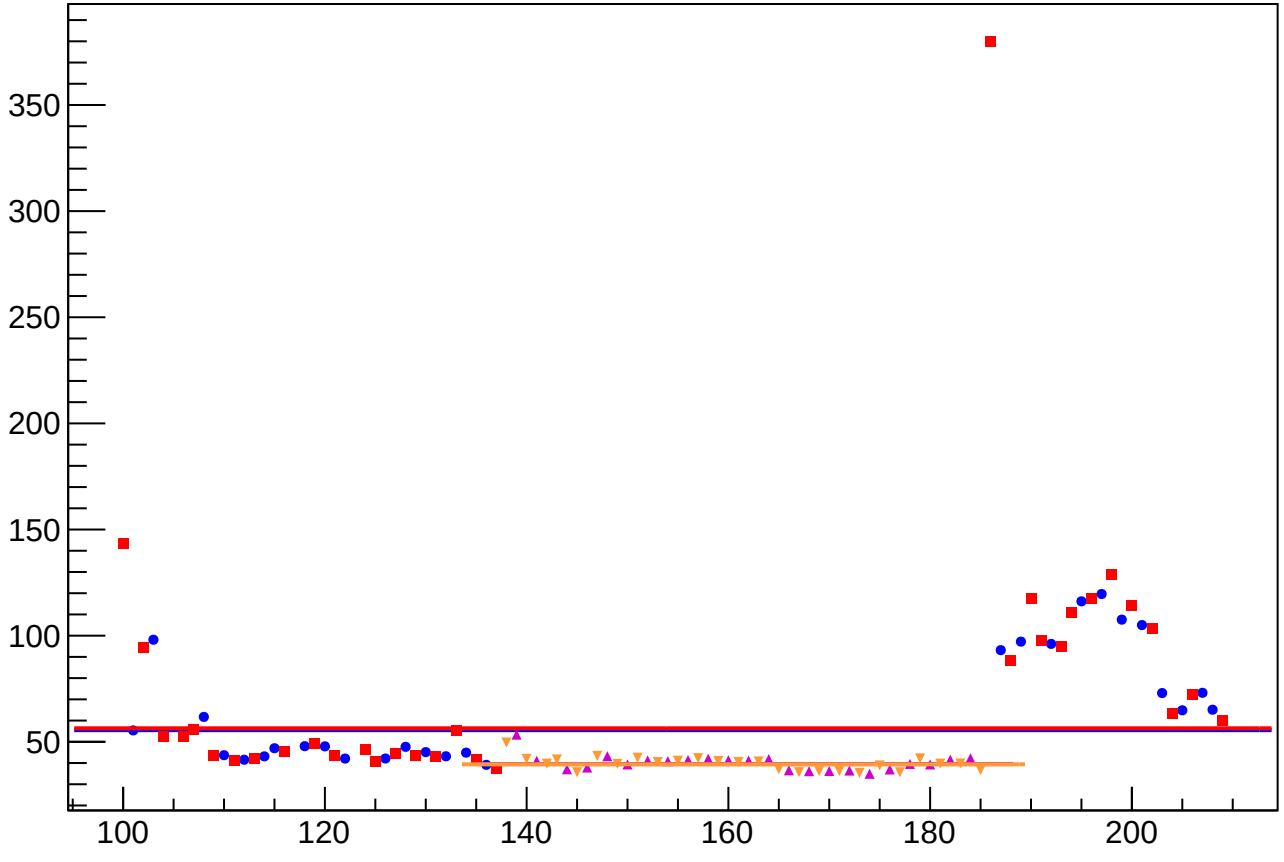
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -15.801+/-7.712 χ^2/NDF: 95.2/51

All: -3.313+/-5.505 χ^2/NDF: 174.1/106

- sign 9.660+/-7.860 χ^2/NDF: 73.5/54

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF: 3706939.2/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

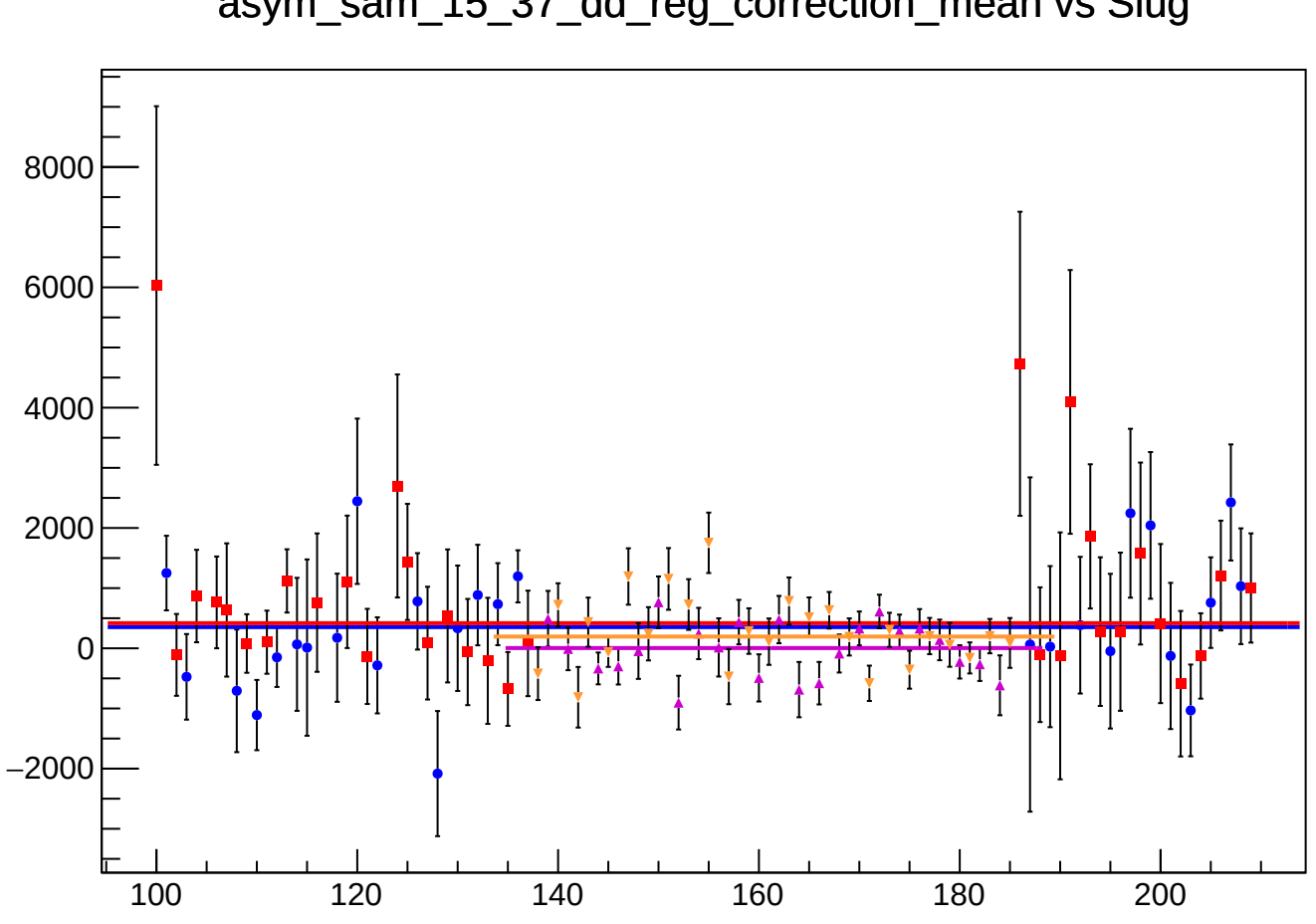
Right Out: 56.359+/-0.010 χ^2/NDF: 4975763.9/31

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.644+/-0.005 χ^2/NDF: 5631565.4/51

All: 43.934+/-0.004 χ^2/NDF: 12726767.4/106

- sign 44.235+/-0.006 χ^2/NDF: 7089431.5/54



Right In: 352.251+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 417.791+/-158.002 χ^2/NDF: 25.6/31

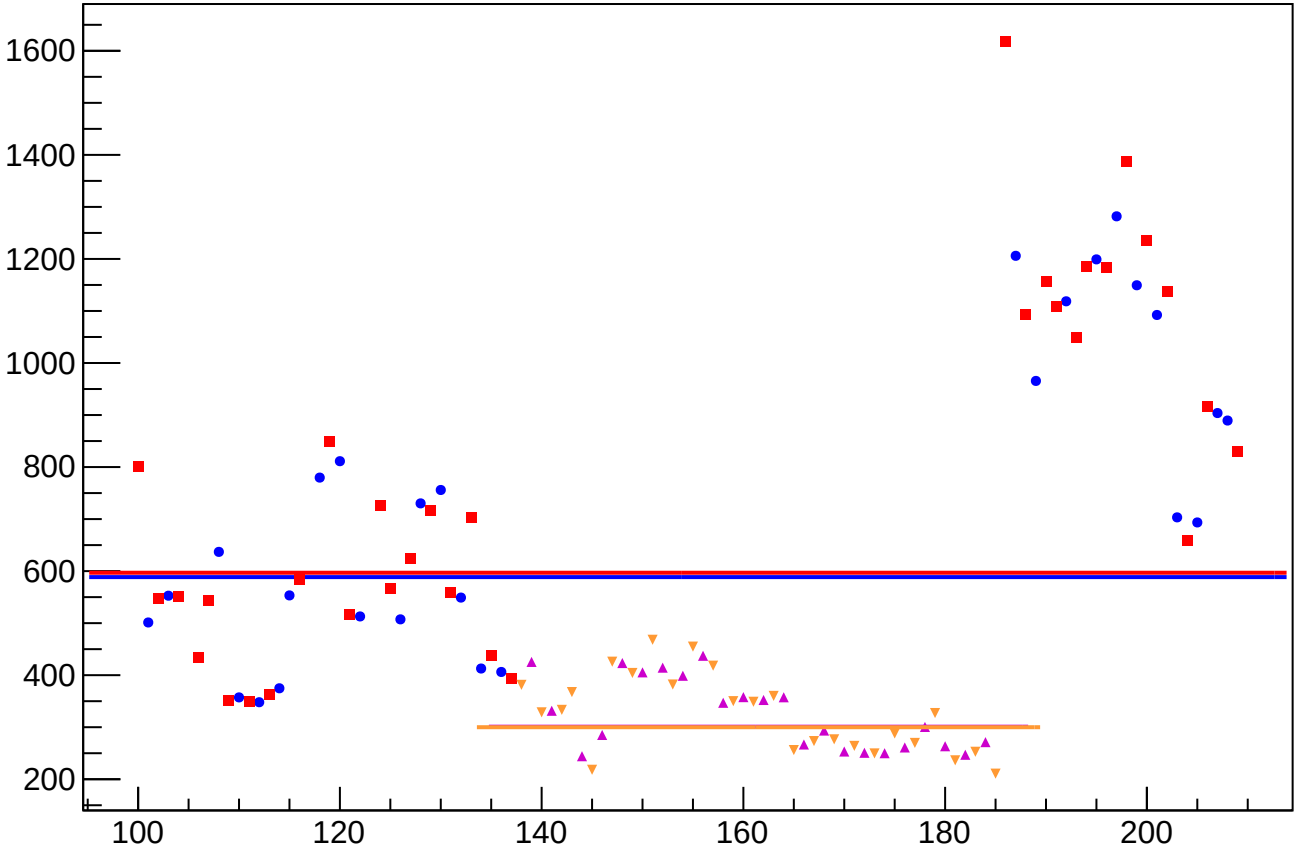
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 220.154+/-64.249 χ^2/NDF: 87.4/51

All: 149.045+/-45.868 χ^2/NDF: 153.5/106

- sign 75.132+/-65.504 χ^2/NDF: 63.6/54

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 588.498+/-0.114 χ^2/NDF: 4541648.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 596.897+/-0.112 χ^2/NDF: 5820282.1/31

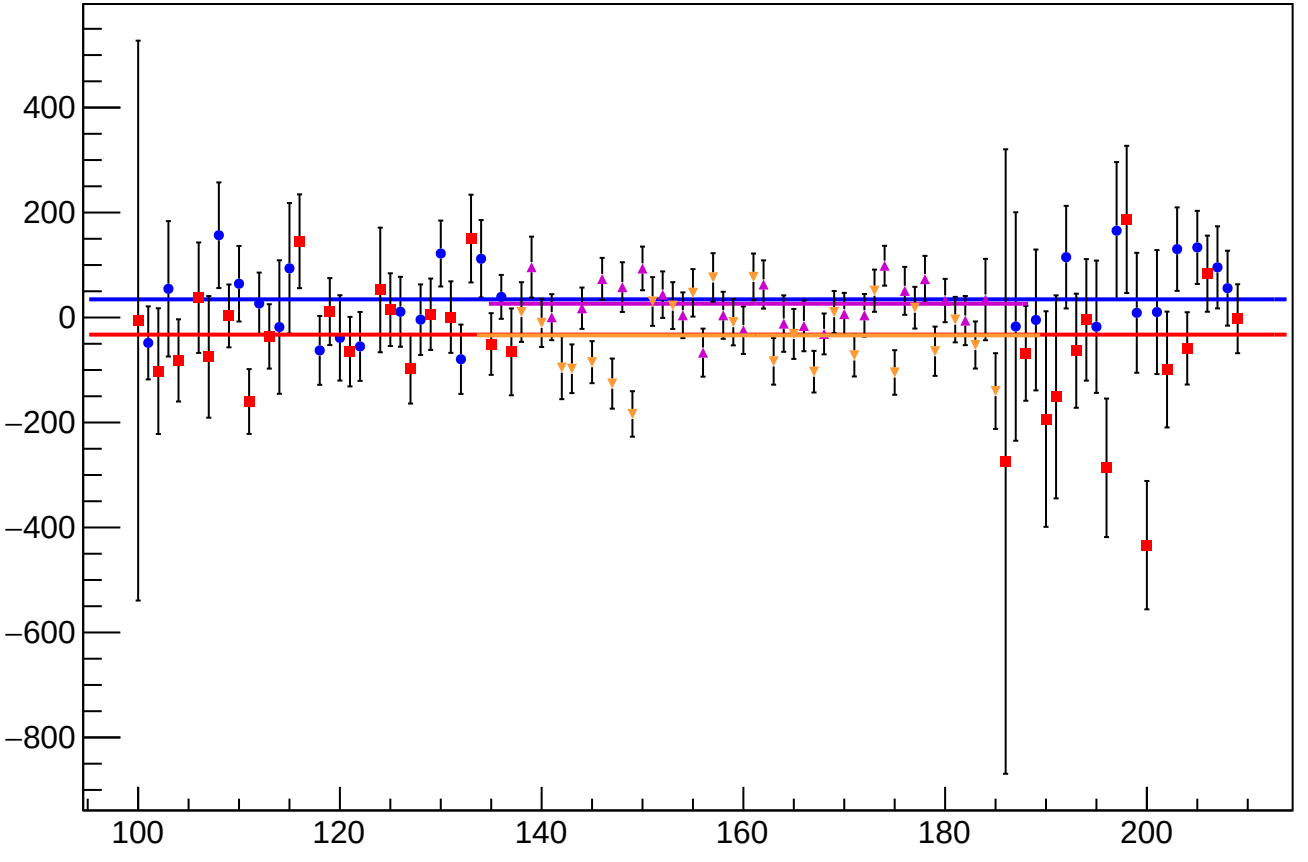
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 346.083+/-0.045 χ^2/NDF: 11765436.6/51

All: 348.914+/-0.032 χ^2/NDF: 24809609.1/10

- sign 351.856+/-0.046 χ^2/NDF: 13036254.0/54

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -32.562+/-14.823 χ^2/NDF: 39.8/31

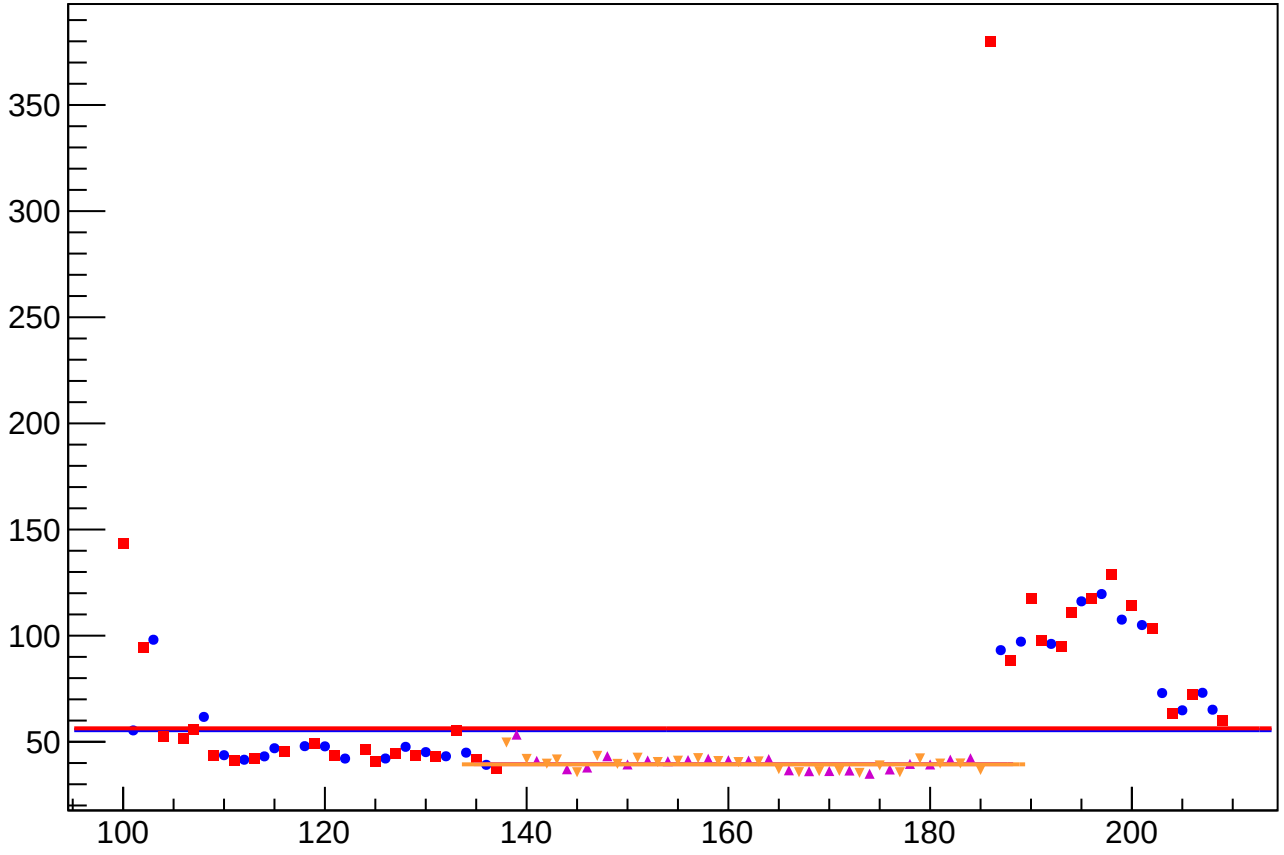
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -15.799+/-7.712 χ^2/NDF: 95.2/51

All: -3.282+/-5.505 χ^2/NDF: 174.2/106

- sign 9.724+/-7.860 χ^2/NDF: 73.6/54

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

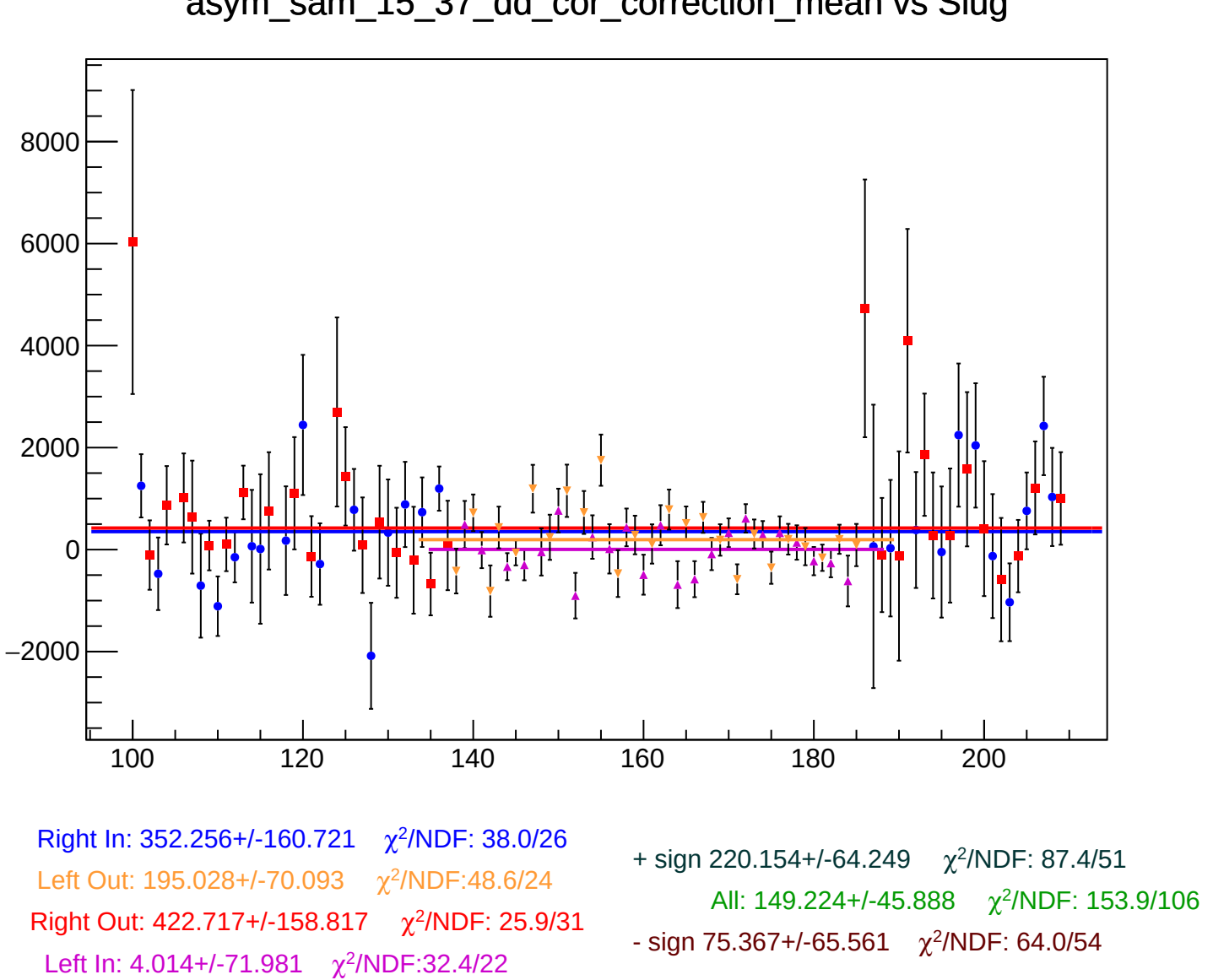
Right Out: 56.343+/-0.010 χ^2/NDF: 4977225.0/31

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

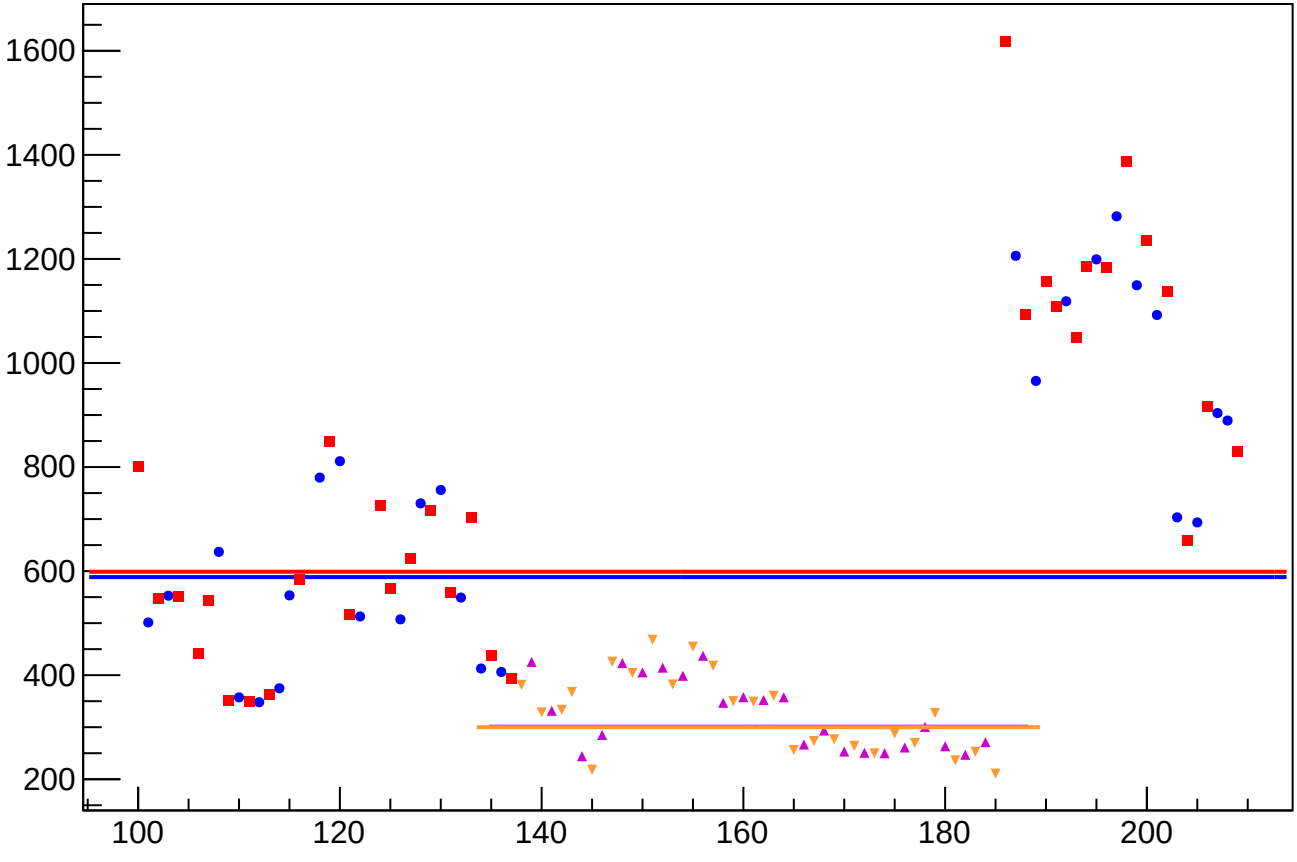
+ sign 43.644+/-0.005 χ^2/NDF: 5631568.4/51

All: 43.931+/-0.004 χ^2/NDF: 12724473.0/106

- sign 44.230+/-0.006 χ^2/NDF: 7087231.2/54


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 352.256+/-160.721 χ²/NDF: 38.0/26
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 422.717+/-158.817 χ²/NDF: 25.9/31
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 220.154+/-64.249 χ²/NDF: 87.4/51
All: 149.224+/-45.888 χ²/NDF: 153.9/106
- sign 75.367+/-65.561 χ²/NDF: 64.0/54

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 598.834+/-0.112 χ^2/NDF: 5792163.5/31

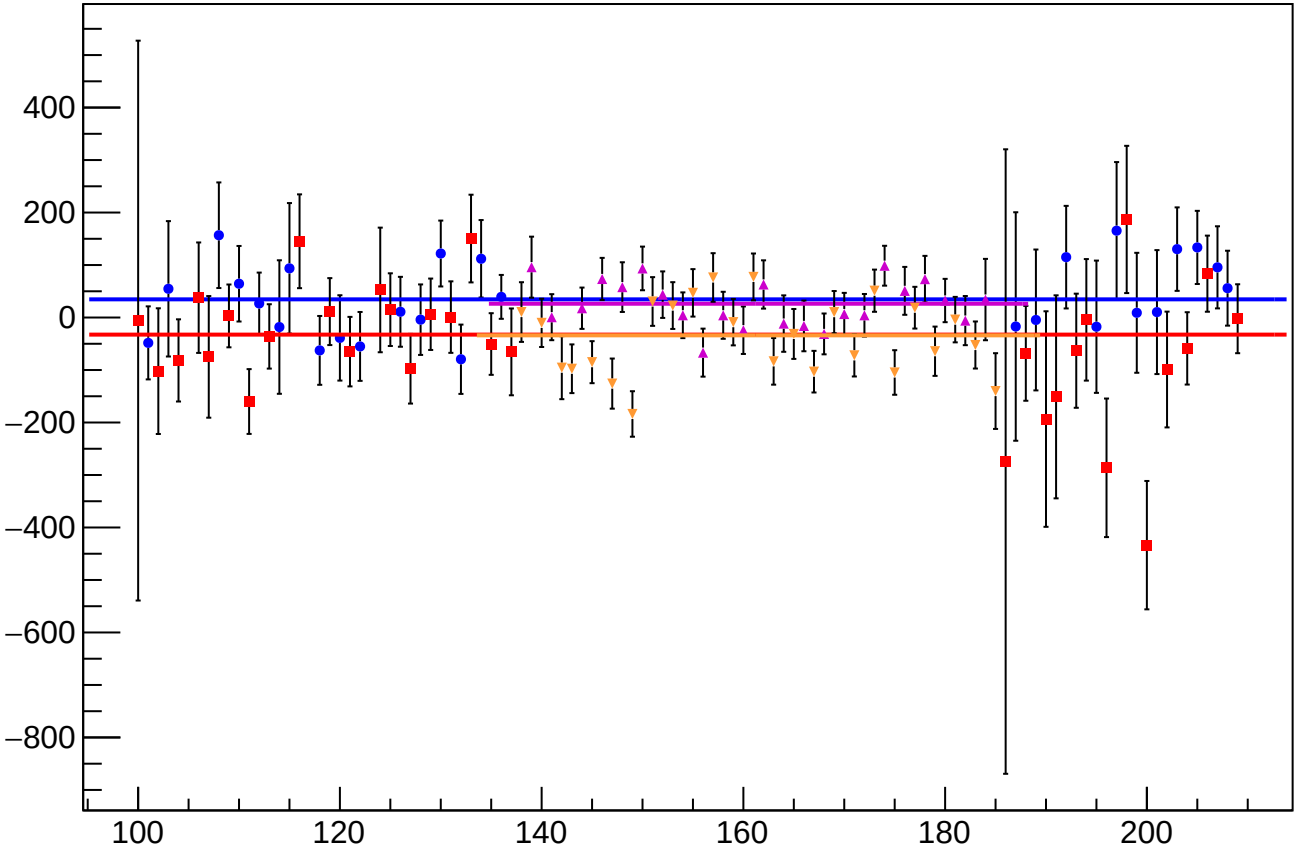
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 346.083+/-0.045 χ^2/NDF: 11765476.8/51

All: 348.861+/-0.032 χ^2/NDF: 24807592.0/10

- sign 351.755+/-0.046 χ^2/NDF: 13034480.4/54

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -32.562+/-14.823 χ^2/NDF: 39.8/31

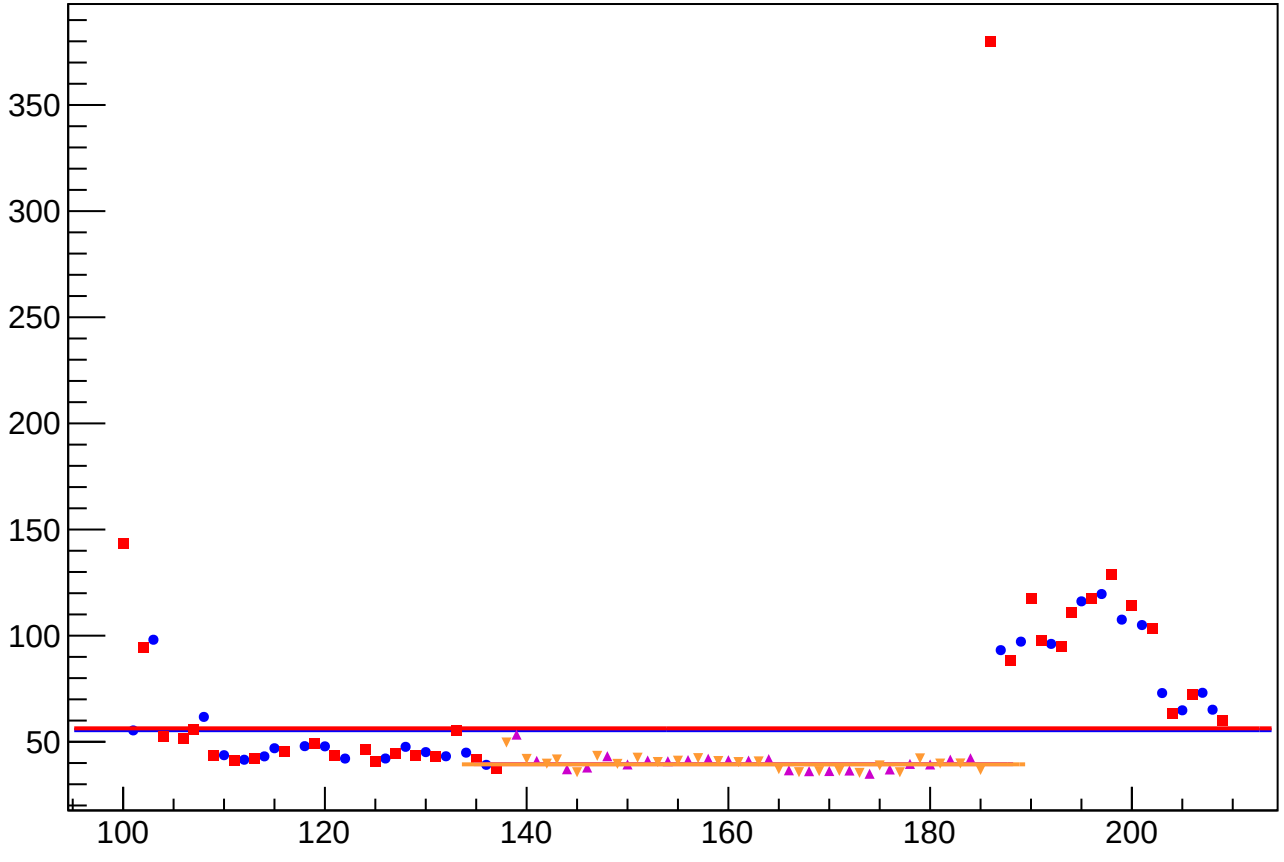
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -15.799+/-7.712 χ^2/NDF: 95.2/51

All: -3.282+/-5.505 χ^2/NDF: 174.2/106

- sign 9.724+/-7.860 χ^2/NDF: 73.6/54

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

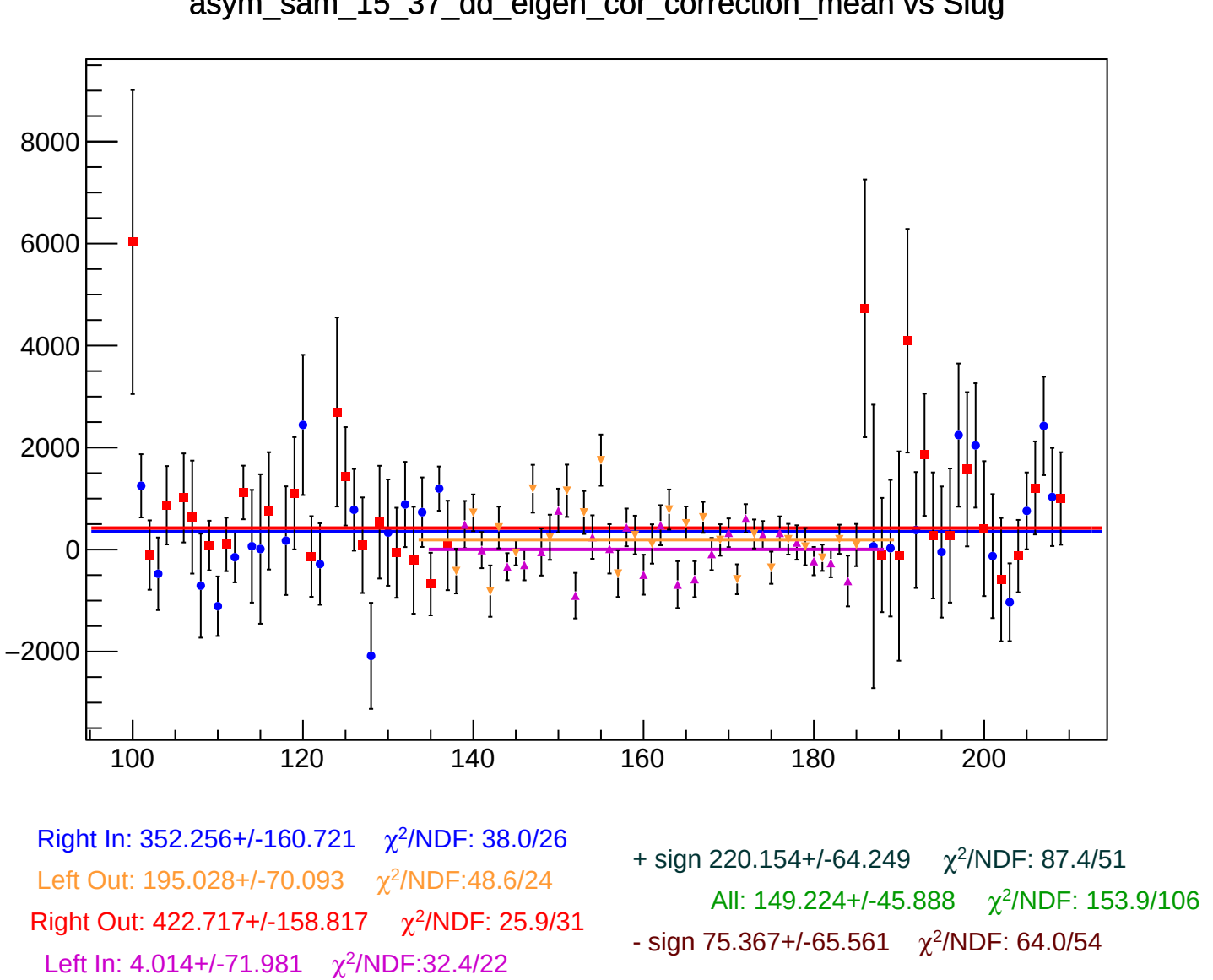
Right Out: 56.343+/-0.010 χ^2/NDF: 4977225.0/31

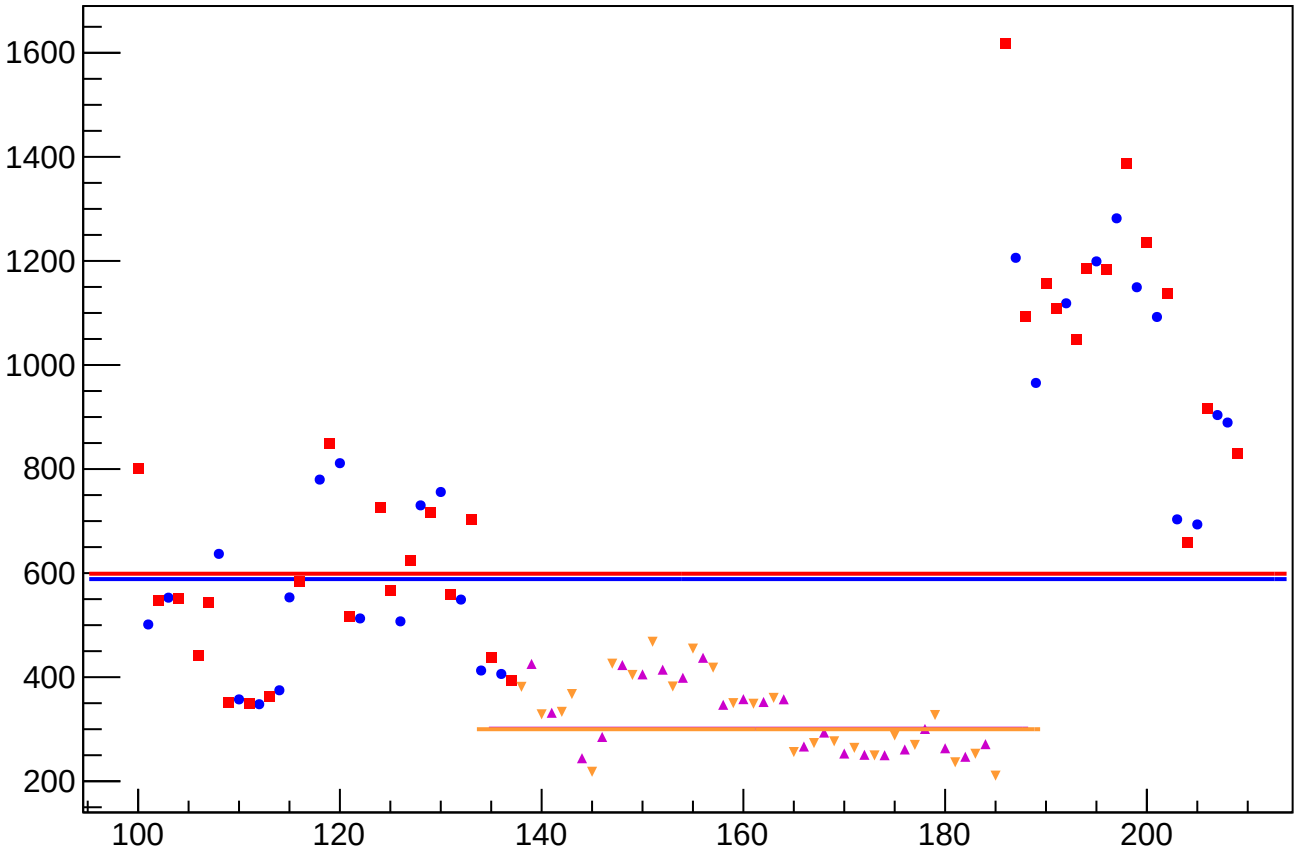
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.644+/-0.005 χ^2/NDF: 5631568.4/51

All: 43.931+/-0.004 χ^2/NDF: 12724473.0/106

- sign 44.230+/-0.006 χ^2/NDF: 7087231.2/54


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 352.256+/-160.721 χ²/NDF: 38.0/26
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 422.717+/-158.817 χ²/NDF: 25.9/31
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 220.154+/-64.249 χ²/NDF: 87.4/51
All: 149.224+/-45.888 χ²/NDF: 153.9/106
- sign 75.367+/-65.561 χ²/NDF: 64.0/54



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 598.834+/-0.112 χ^2/NDF: 5792163.5/31

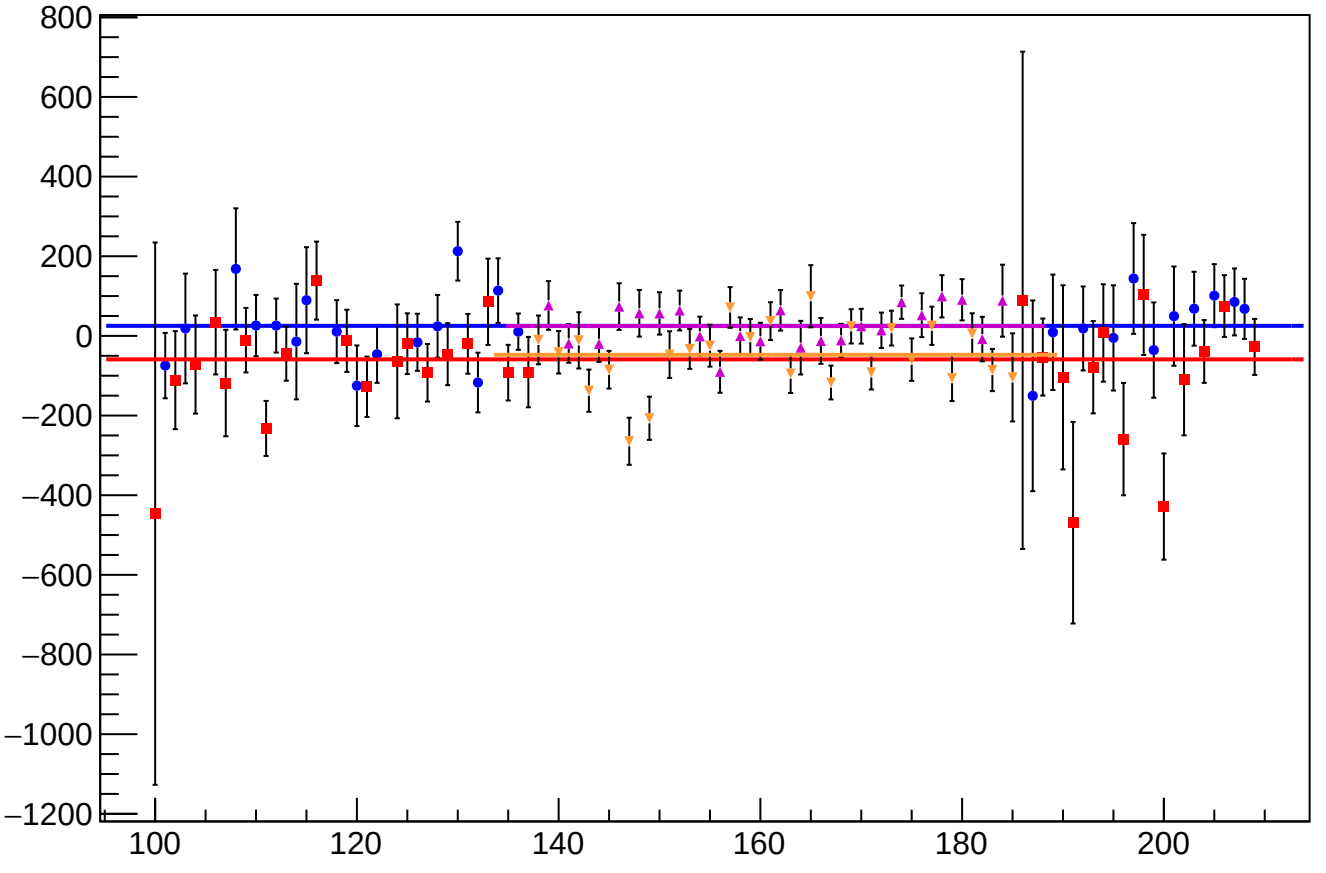
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 346.083+/-0.045 χ^2/NDF: 11765476.8/51

All: 348.861+/-0.032 χ^2/NDF: 24807592.0/10

- sign 351.755+/-0.046 χ^2/NDF: 13034480.4/54

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 25.240+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -58.914+/-17.003 χ^2/NDF: 33.4/31

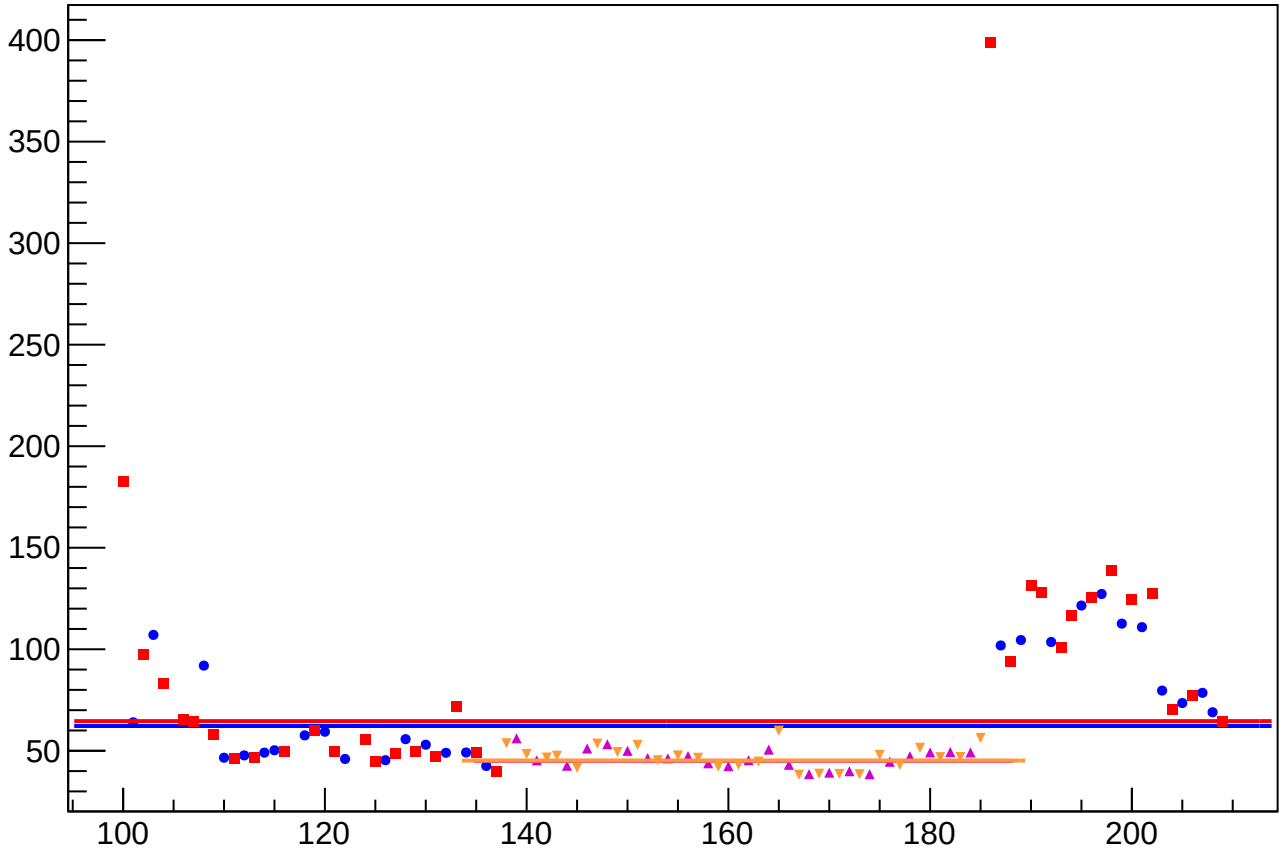
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -27.411+/-8.843 χ^2/NDF: 89.4/51

All: -13.458+/-6.318 χ^2/NDF: 164.9/106

- sign 1.099+/-9.032 χ^2/NDF: 70.4/54

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.213+/-0.012 χ^2/NDF: 3485563.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.615+/-0.012 χ^2/NDF: 4701879.9/31

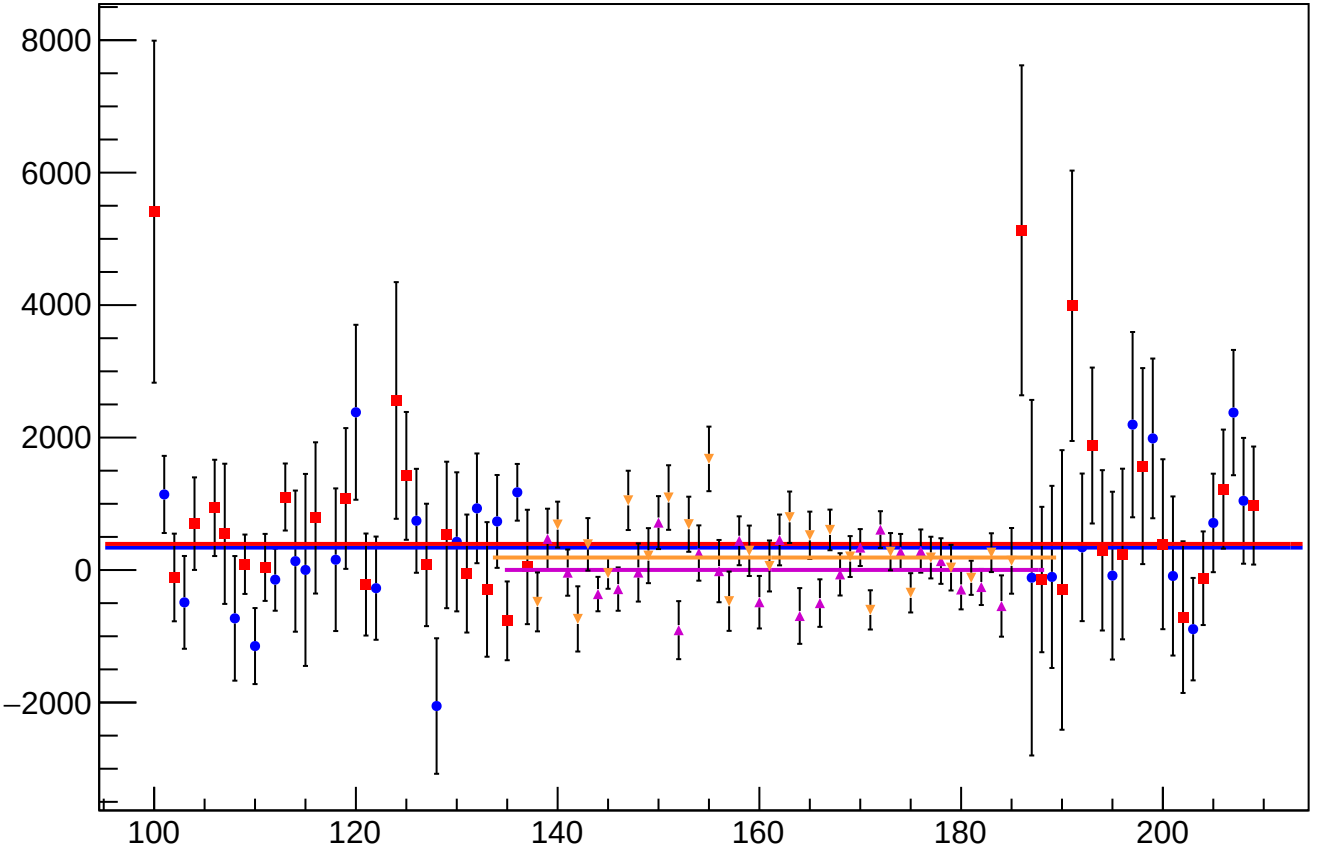
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 49.877+/-0.006 χ^2/NDF: 5459009.0/51

All: 50.205+/-0.004 χ^2/NDF: 12446494.1/106

- sign 50.547+/-0.006 χ^2/NDF: 6981866.2/54

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 338.823+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 394.318+/-152.569 χ^2/NDF: 28.7/31

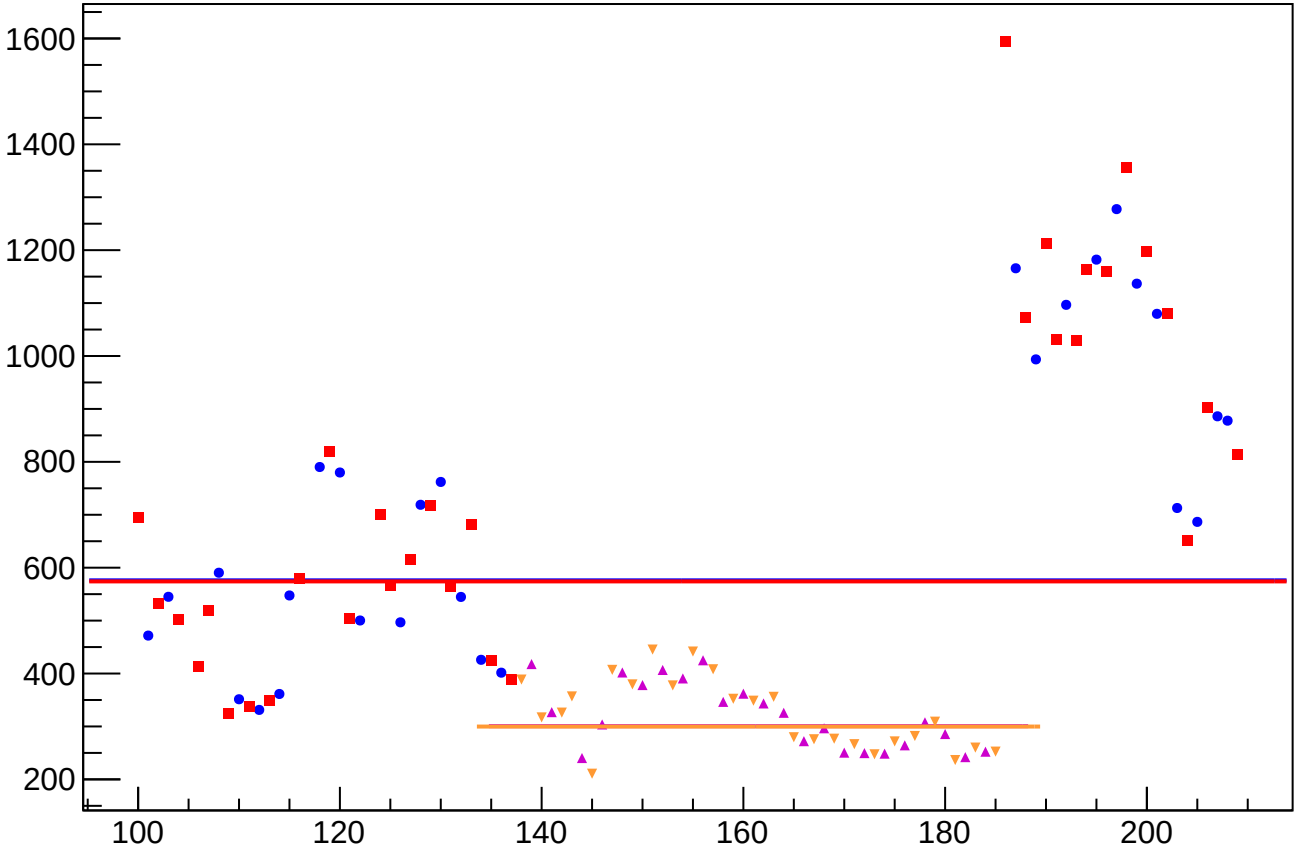
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 213.362+/-63.755 χ^2/NDF: 85.4/51

All: 144.288+/-45.481 χ^2/NDF: 154.1/106

- sign 72.708+/-64.901 χ^2/NDF: 66.3/54

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 576.094+/-0.111 χ^2/NDF: 4681705.5/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 574.081+/-0.108 χ^2/NDF: 6077401.1/31

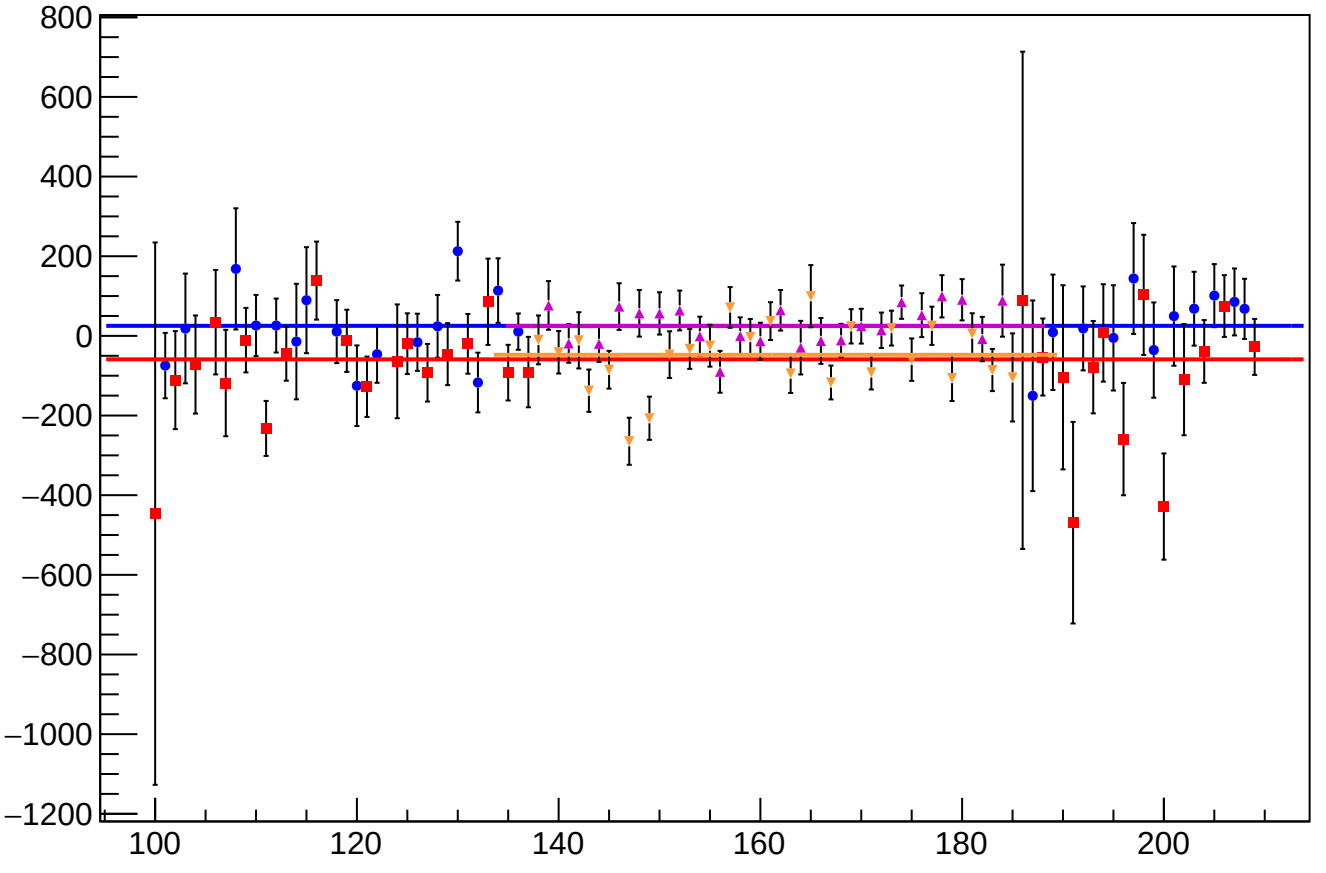
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 345.015+/-0.045 χ^2/NDF: 11400381.5/51

All: 347.483+/-0.032 χ^2/NDF: 24008614.7/10

- sign 350.041+/-0.046 χ^2/NDF: 12602129.1/54

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 25.239+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -58.915+/-17.003 χ^2/NDF: 33.4/31

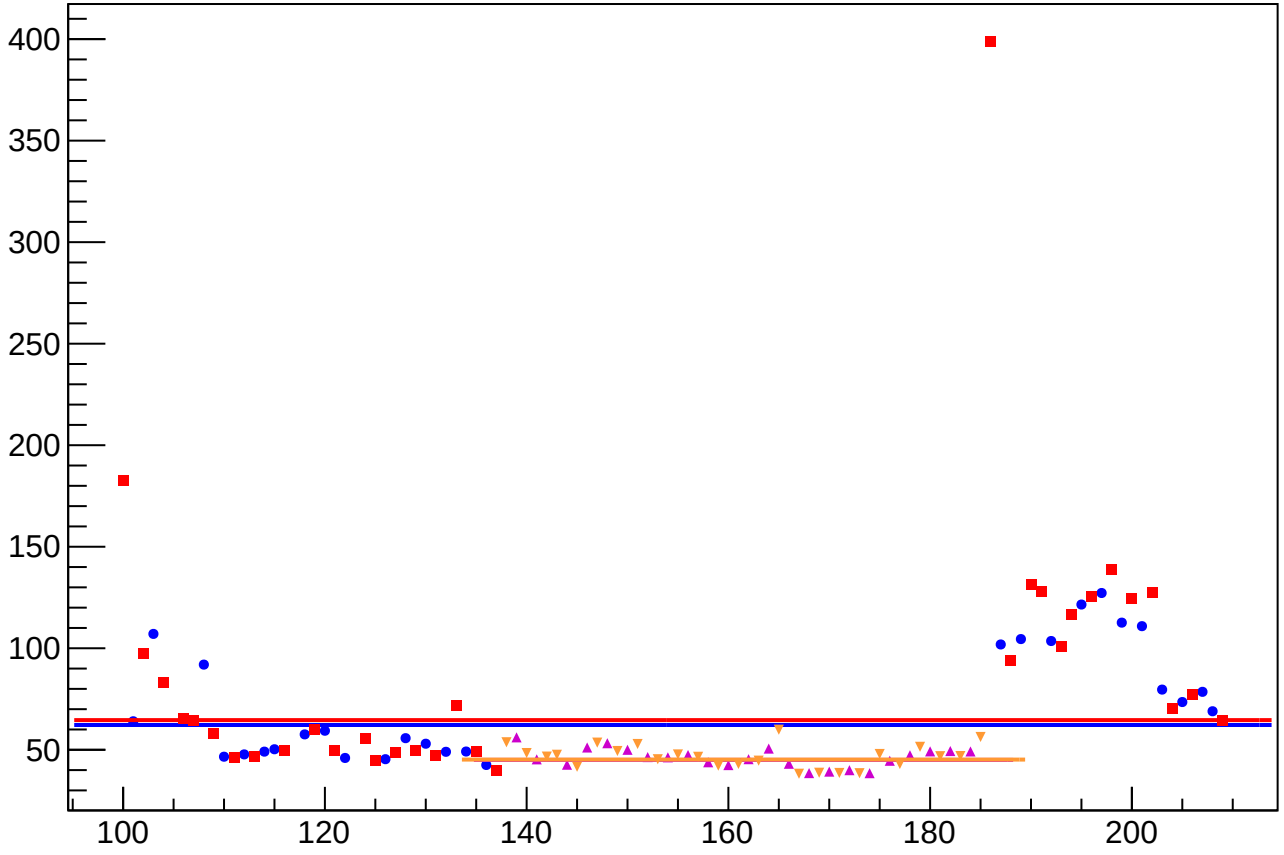
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -27.411+/-8.843 χ^2/NDF: 89.4/51

All: -13.458+/-6.318 χ^2/NDF: 164.9/106

- sign 1.098+/-9.032 χ^2/NDF: 70.4/54

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 62.213+/-0.012 χ^2/NDF: 3485568.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

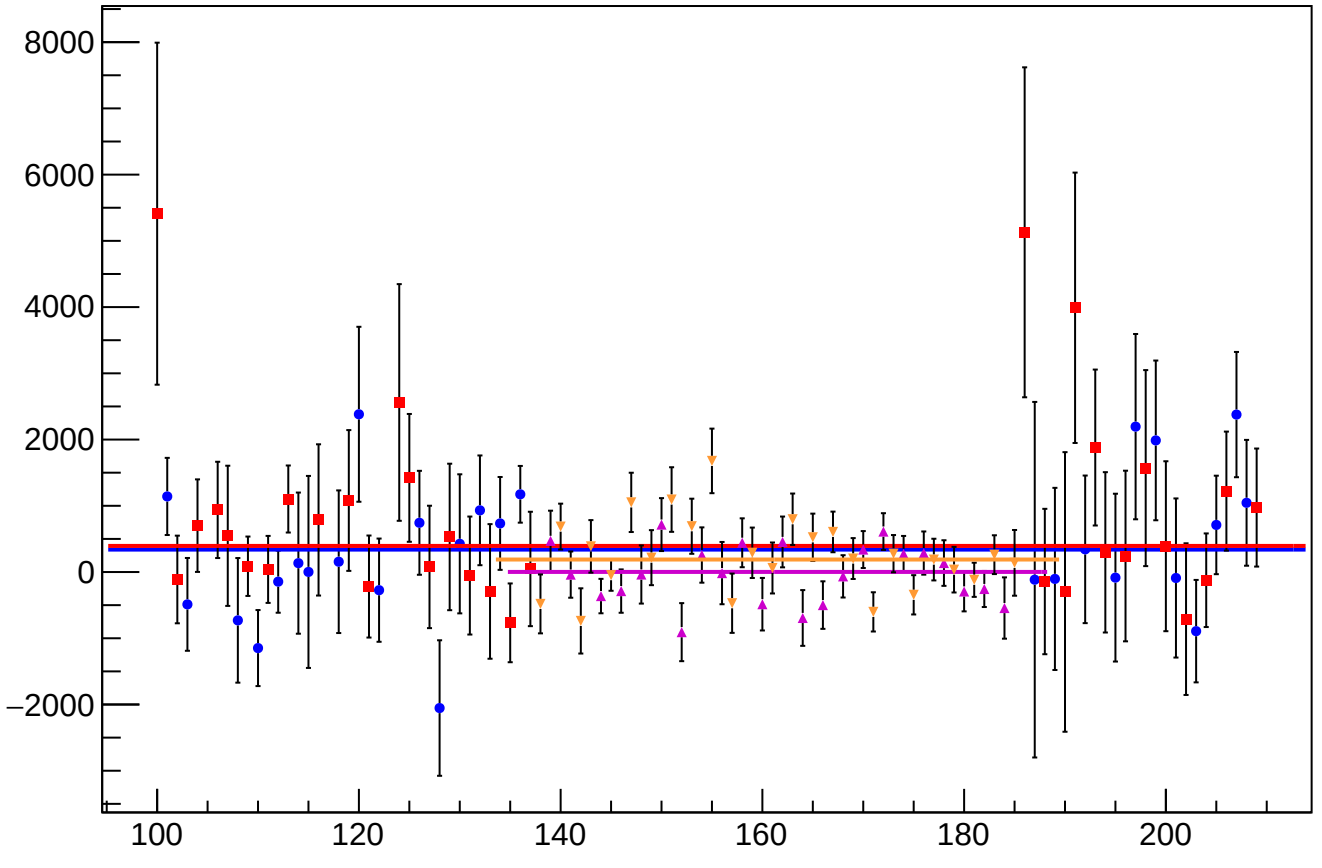
Right Out: 64.615+/-0.012 χ^2/NDF: 4701884.3/31

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 49.877+/-0.006 χ^2/NDF: 5459015.9/51

All: 50.205+/-0.004 χ^2/NDF: 12446505.9/106

- sign 50.547+/-0.006 χ^2/NDF: 6981870.5/54



Right In: 338.822+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 394.318+/-152.569 χ^2/NDF: 28.7/31

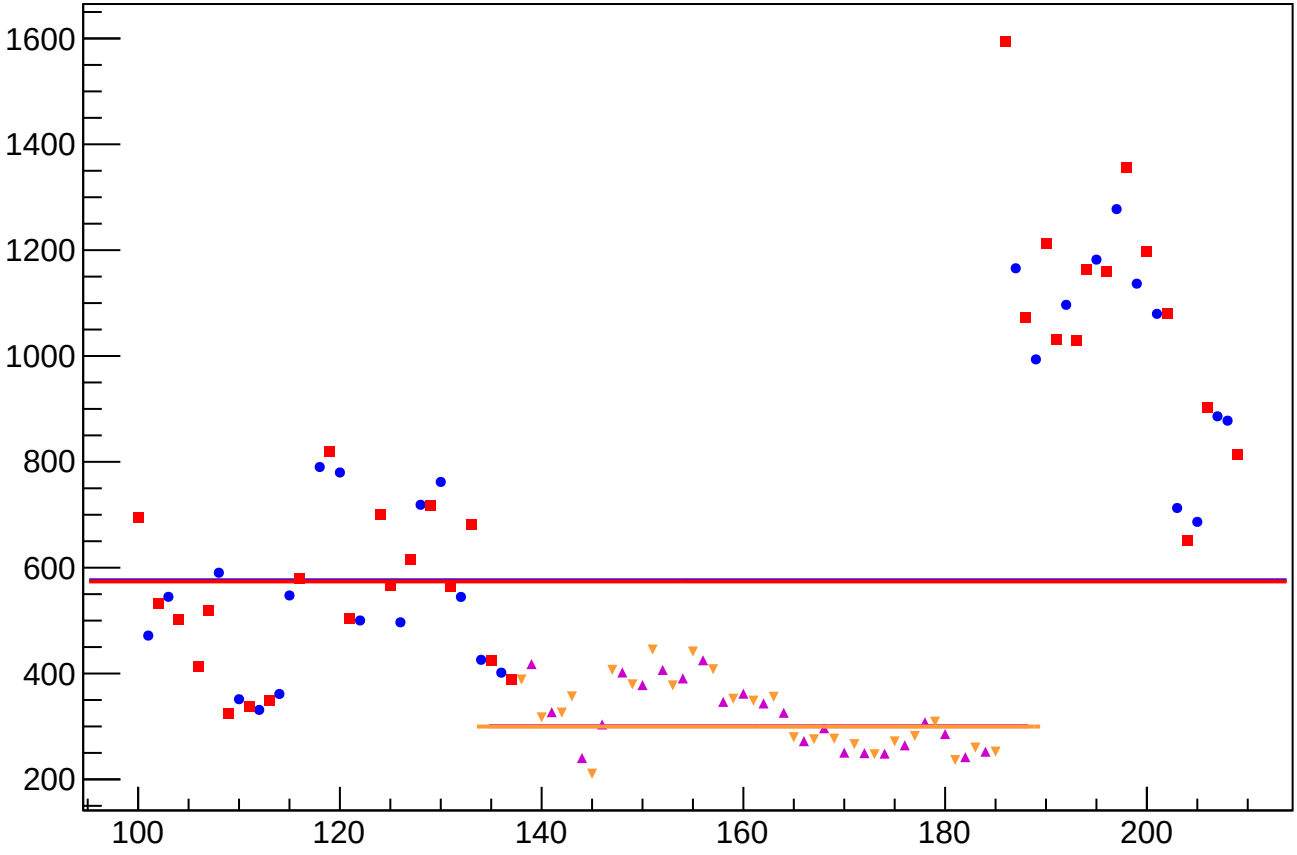
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 213.362+/-63.755 χ^2/NDF: 85.4/51

All: 144.288+/-45.481 χ^2/NDF: 154.1/106

- sign 72.708+/-64.901 χ^2/NDF: 66.3/54

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 576.094+/-0.111 χ^2/NDF: 4681719.3/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 574.080+/-0.108 χ^2/NDF: 6077410.3/31

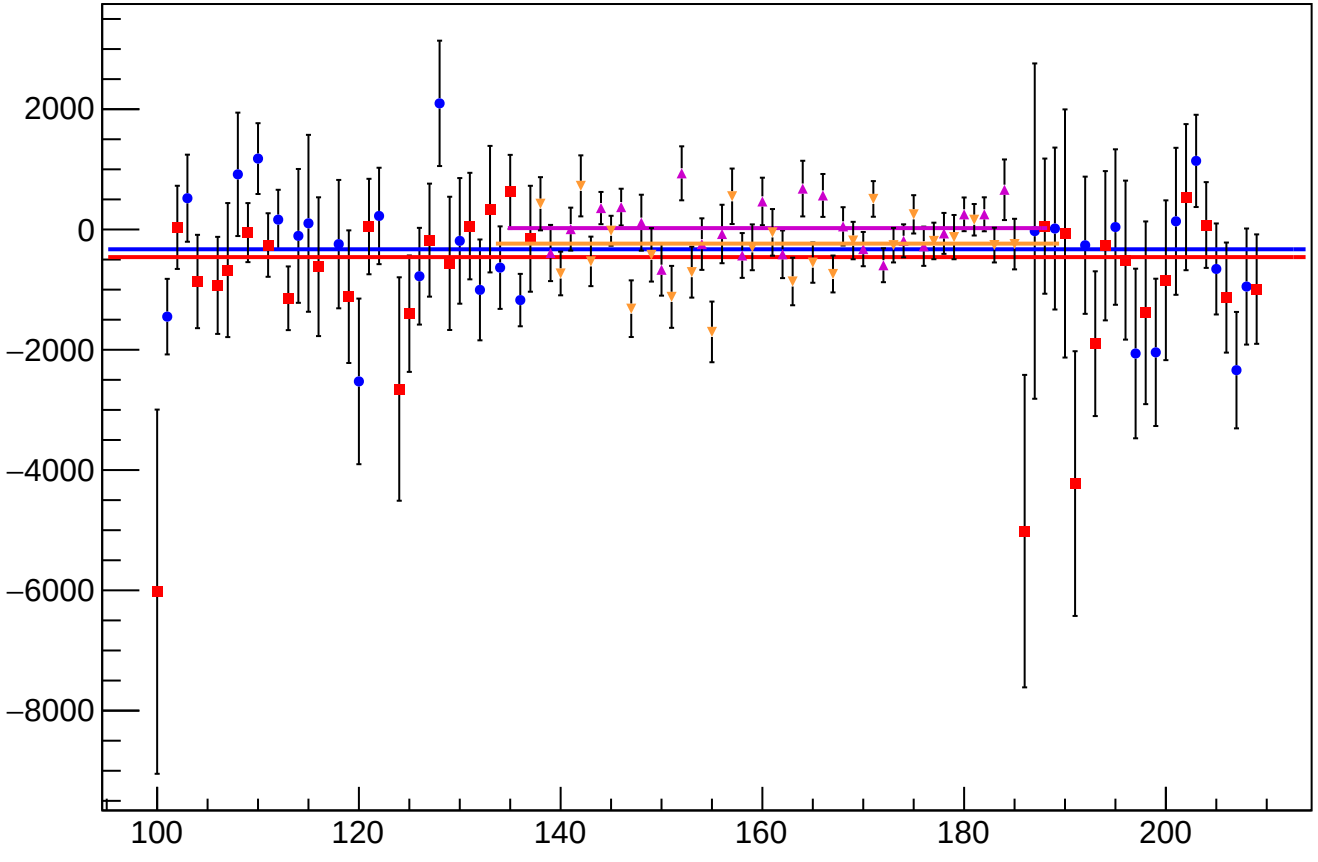
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 345.015+/-0.045 χ^2/NDF: 11400366.6/51

All: 347.484+/-0.032 χ^2/NDF: 24008564.8/10

- sign 350.041+/-0.046 χ^2/NDF: 12602093.7/54

asym_sam_15_37_dd_mean vs Slug



Right In: -329.188+/-161.718 χ^2/NDF: 39.4/26

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -459.345+/-159.294 χ^2/NDF: 24.7/31

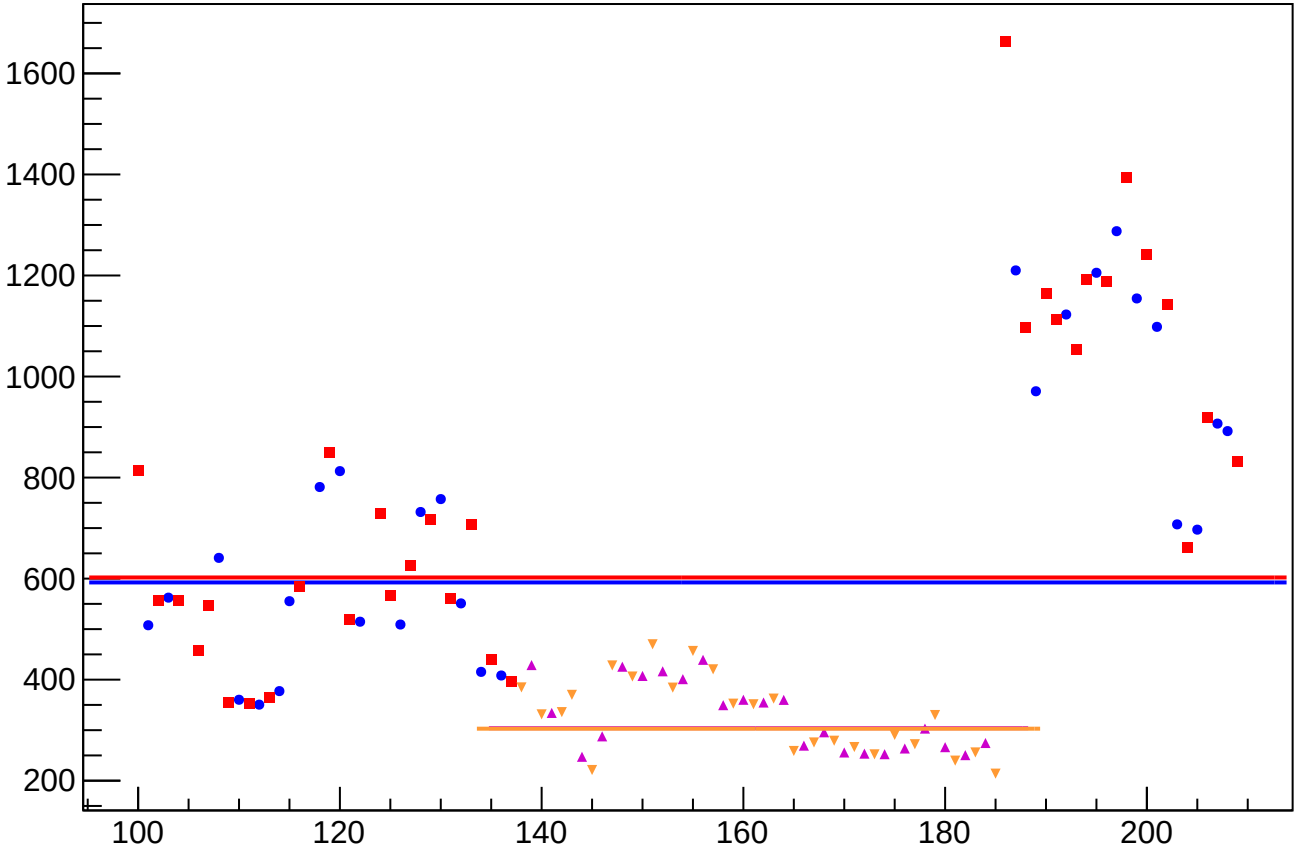
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -250.269+/-64.812 χ^2/NDF: 87.2/51

All: -157.155+/-46.276 χ^2/NDF: 153.5/106

- sign -60.319+/-66.094 χ^2/NDF: 62.1/54

asym_sam_15_37_dd_rms vs Slug



Right In: 592.423+/-0.114 χ^2/NDF: 4517087.3/26

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

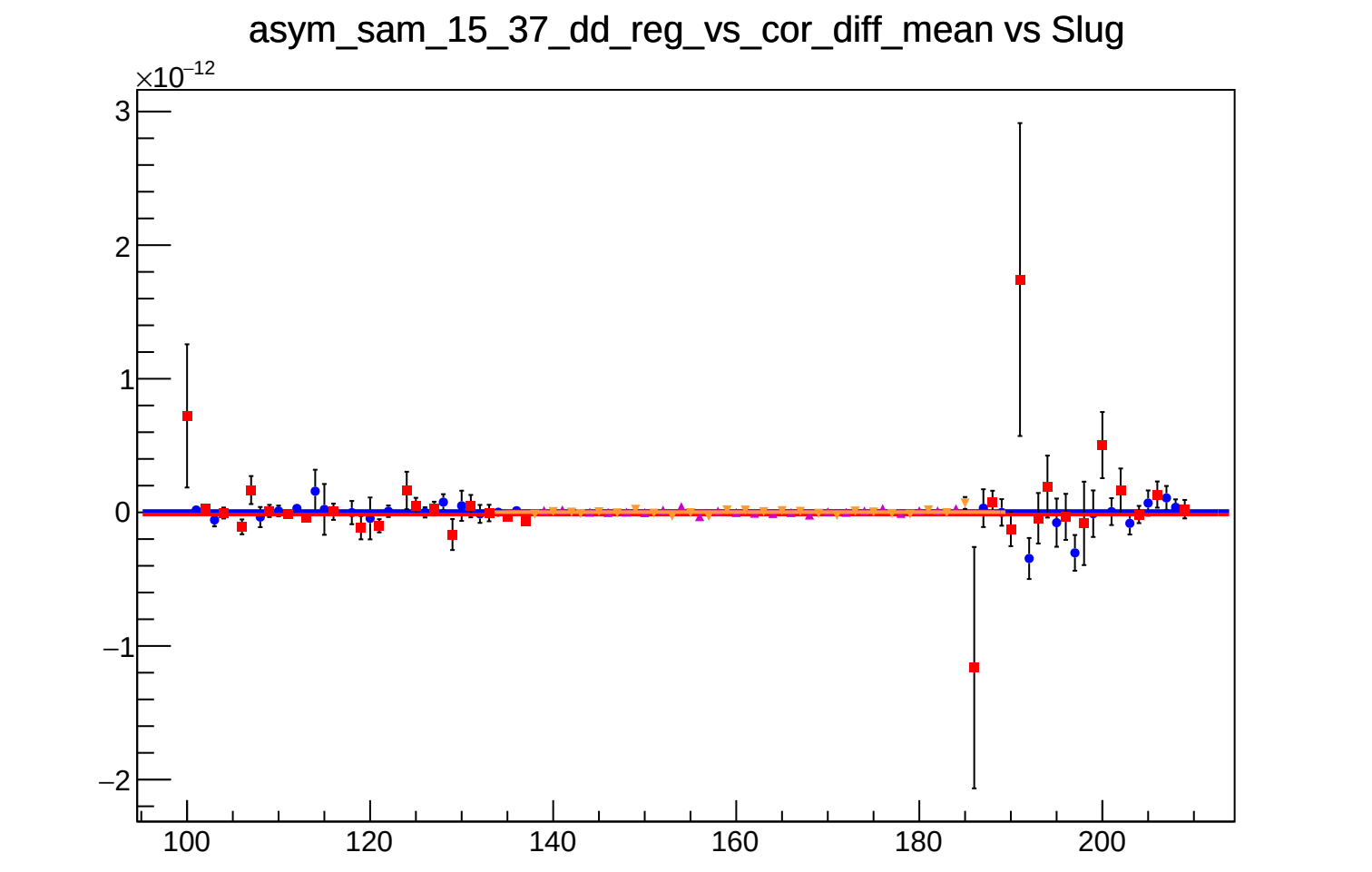
Right Out: 602.266+/-0.113 χ^2/NDF: 5770073.1/31

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 349.438+/-0.046 χ^2/NDF: 11662221.9/51

All: 352.304+/-0.033 χ^2/NDF: 24624321.9/10

- sign 355.285+/-0.047 χ^2/NDF: 12954121.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/31

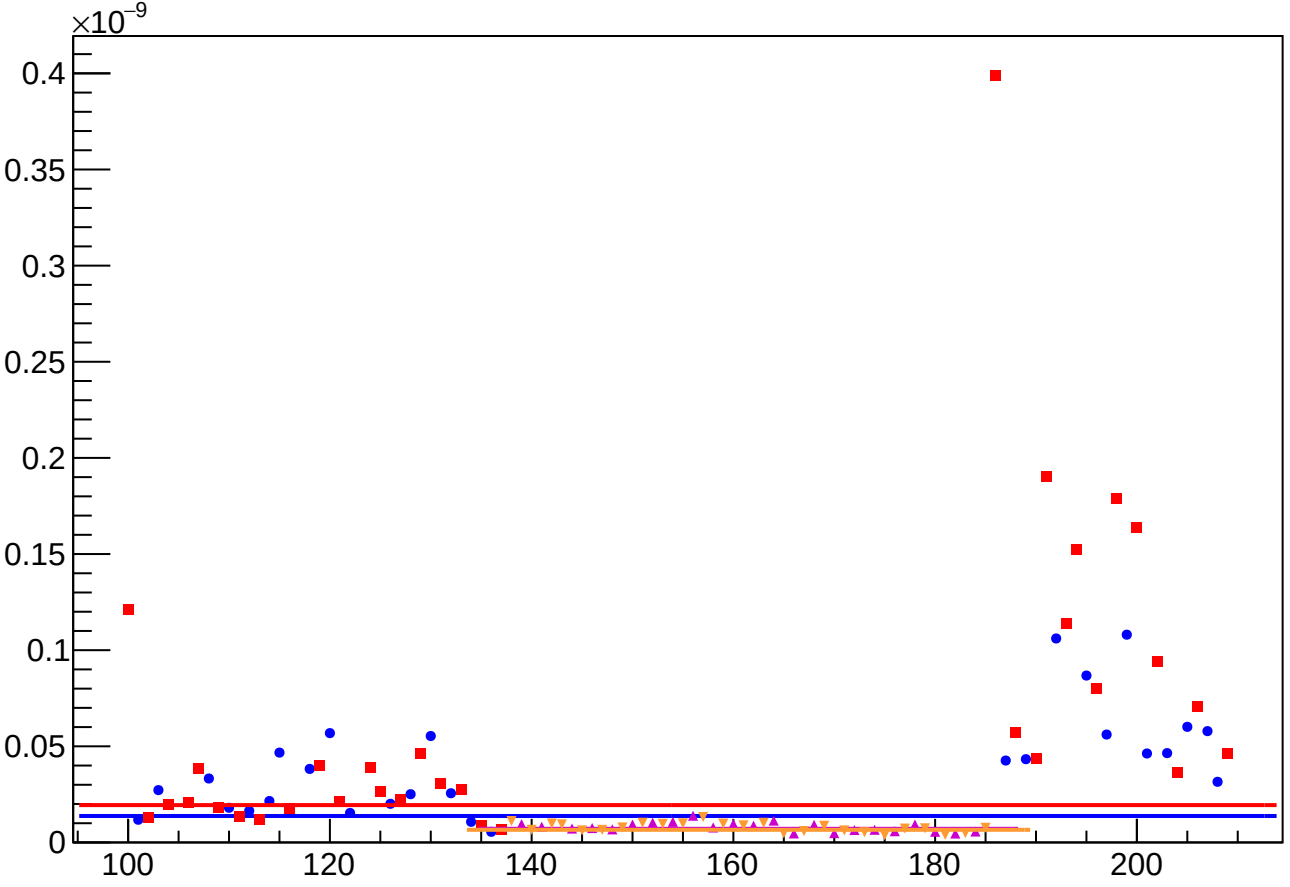
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.4/51

All: 0.000+/-0.000 χ^2/NDF: 105.2/106

- sign 0.000+/-0.000 χ^2/NDF: 61.5/54

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6059152.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

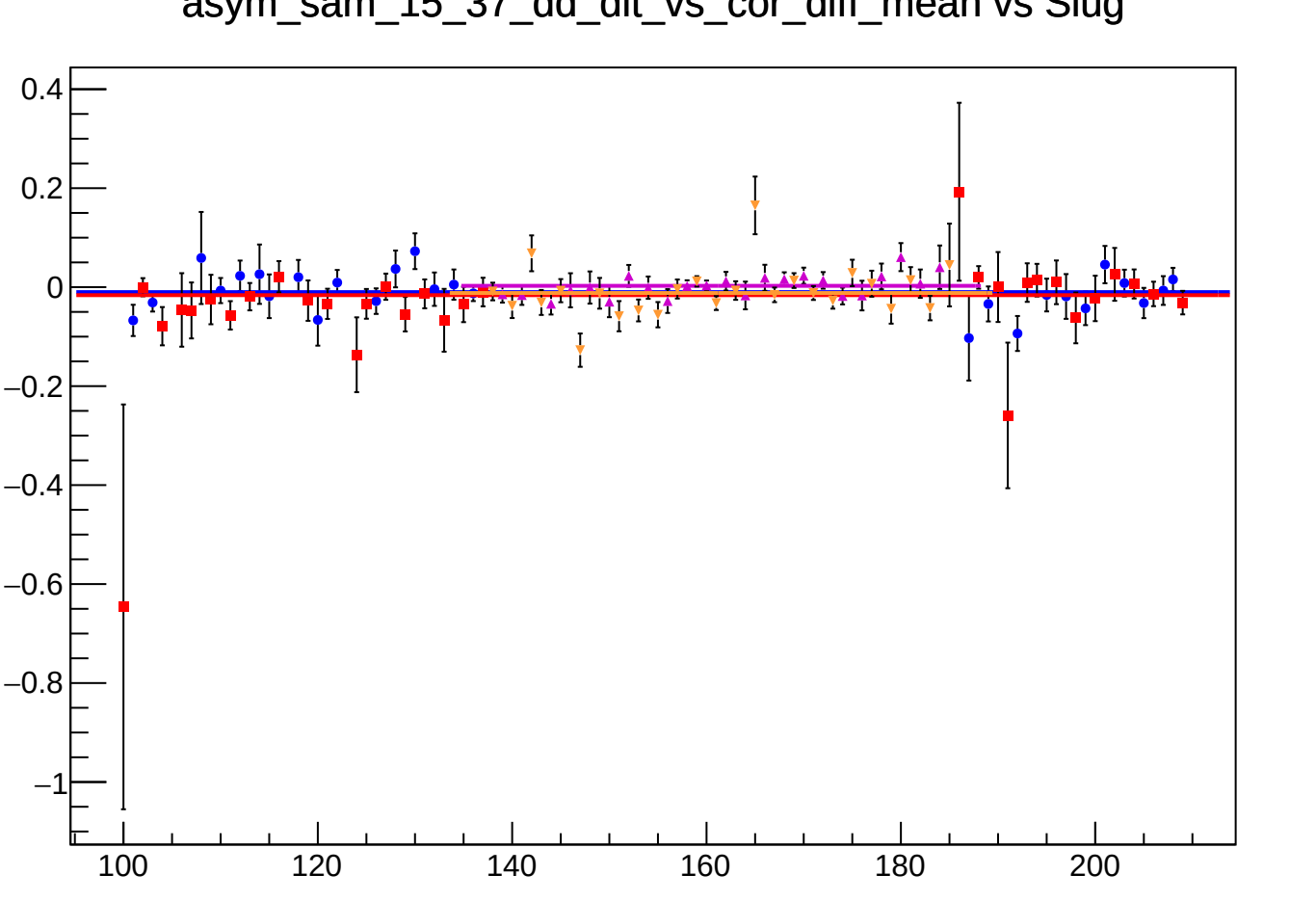
Right Out: 0.000+/-0.000 χ^2/NDF: 6322769.7/31

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9086522.7/51

All: 0.000+/-0.000 χ^2/NDF: 19386753.1/106

- sign 0.000+/-0.000 χ^2/NDF: 10221805.9/54



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.016+/-0.006 χ^2/NDF: 26.2/31

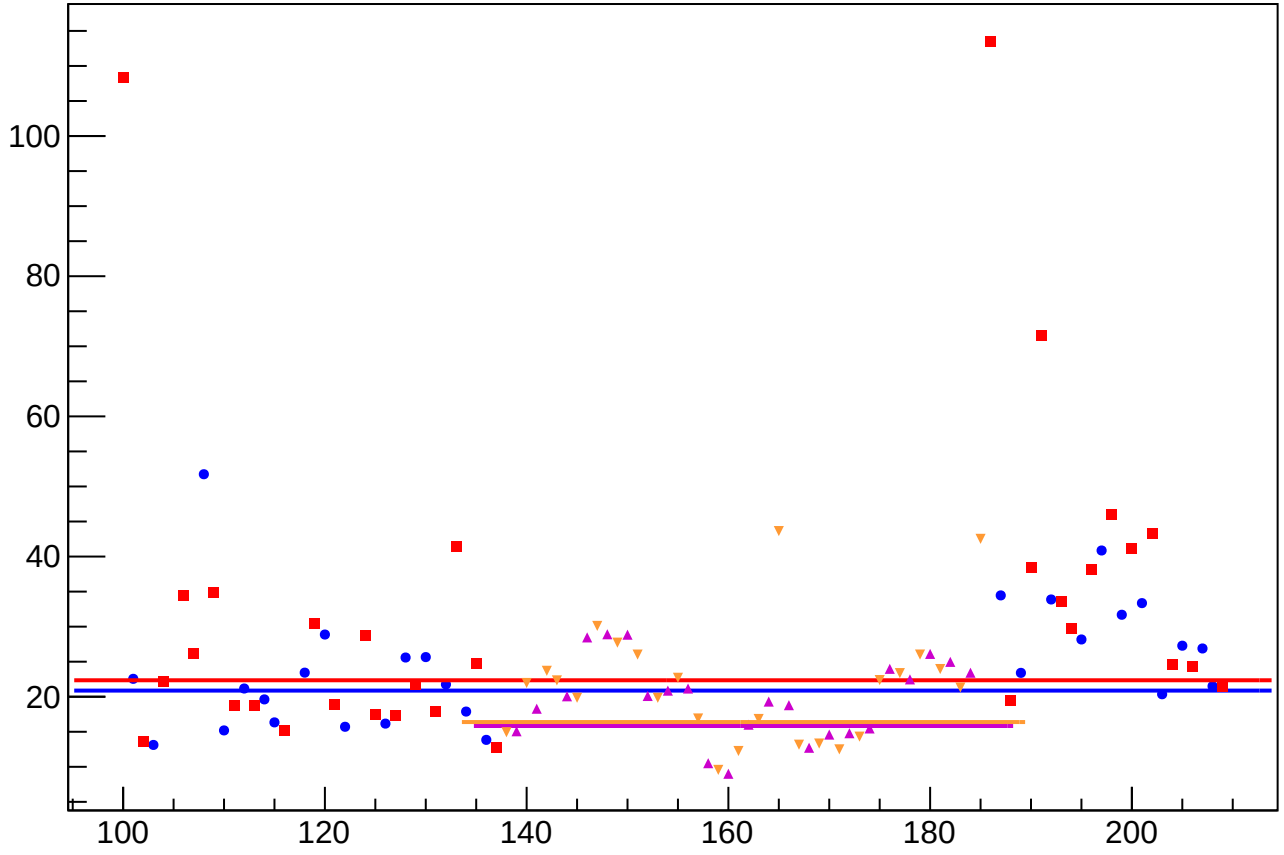
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 138.5/106

- sign -0.003+/-0.003 χ^2/NDF: 52.6/54

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

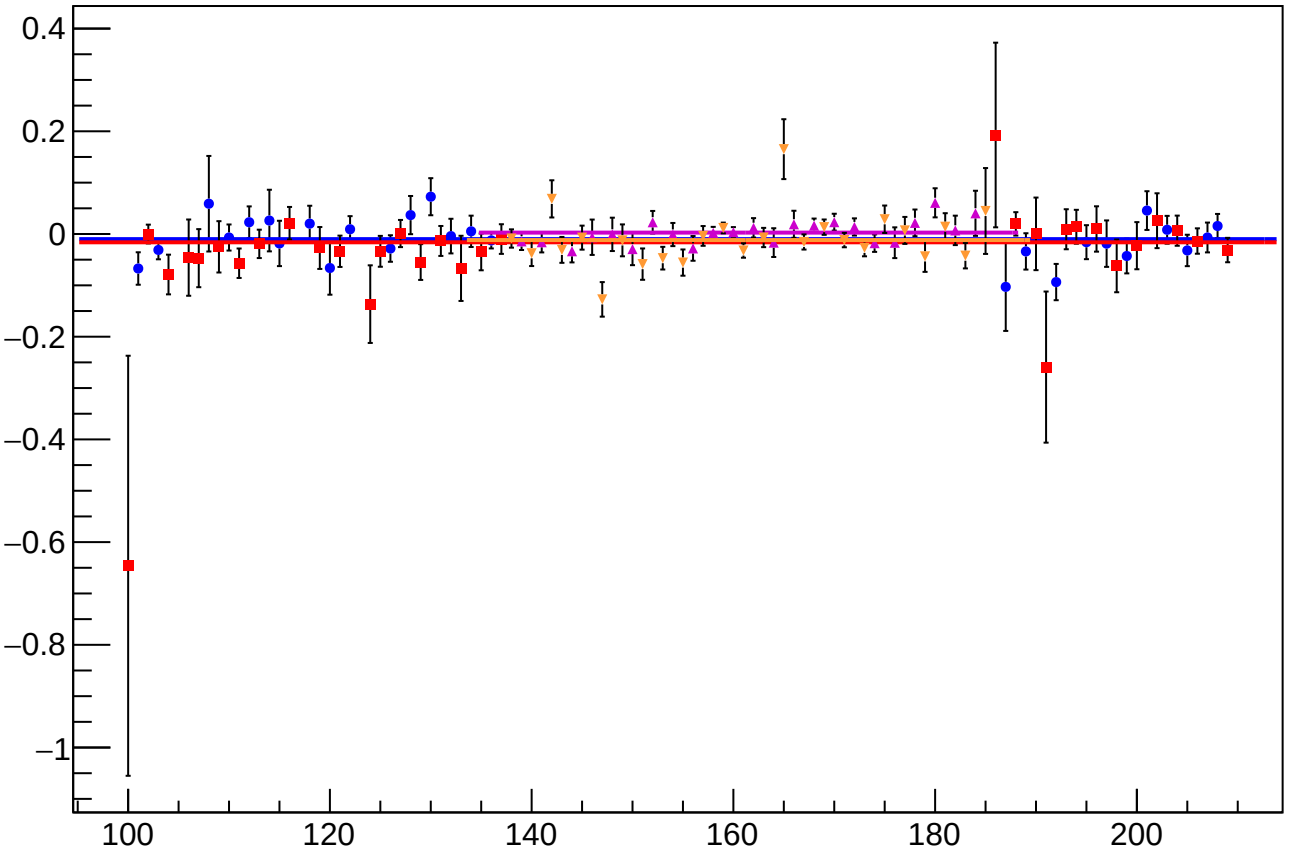
Right Out: 22.348+/-0.004 χ^2/NDF: 4098145.8/31

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.857+/-0.002 χ^2/NDF: 7655616.4/51

All: 17.832+/-0.002 χ^2/NDF: 16993521.6/106

\- sign 17.806+/-0.002 χ^2/NDF: 9337677.9/54



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

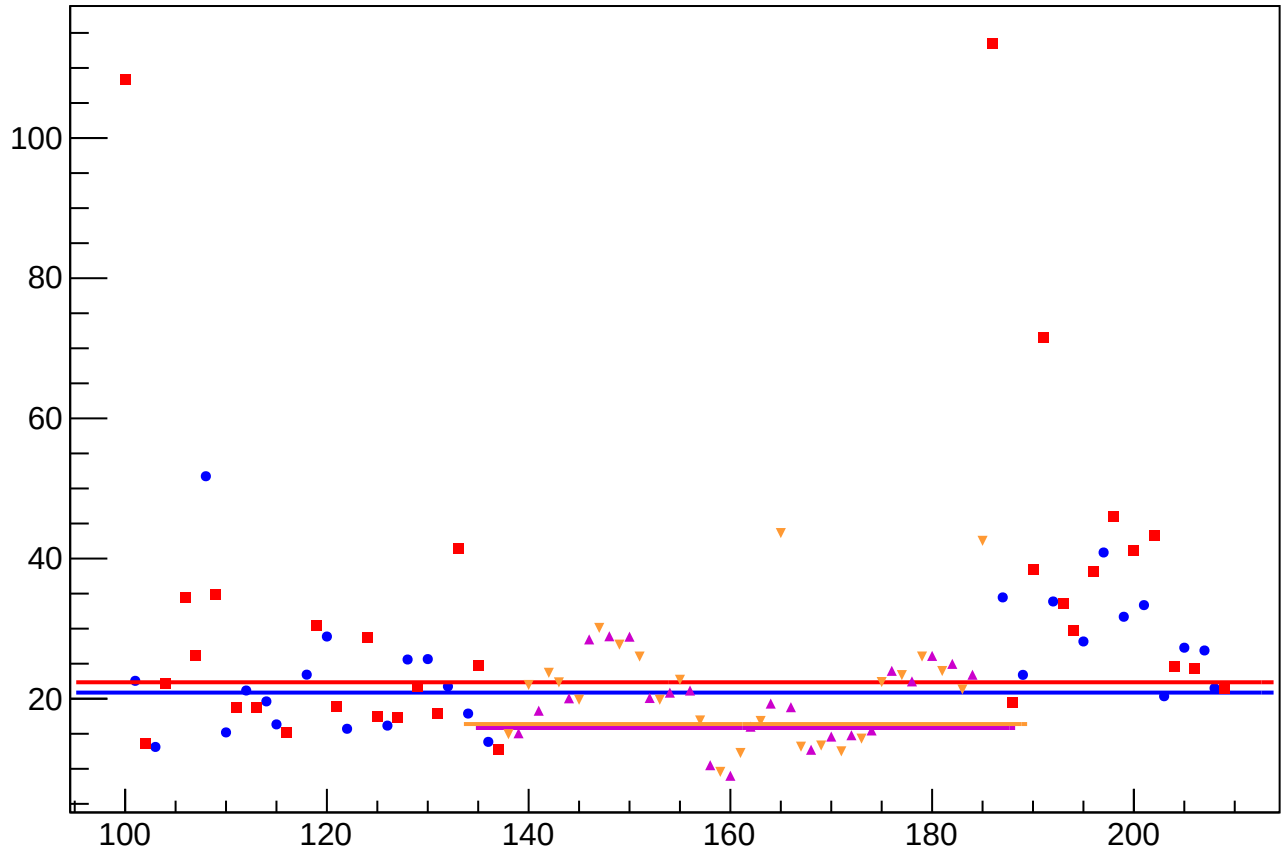
Right Out: -0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 138.5/106

- sign -0.003+/-0.003 χ^2/NDF: 52.6/54



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

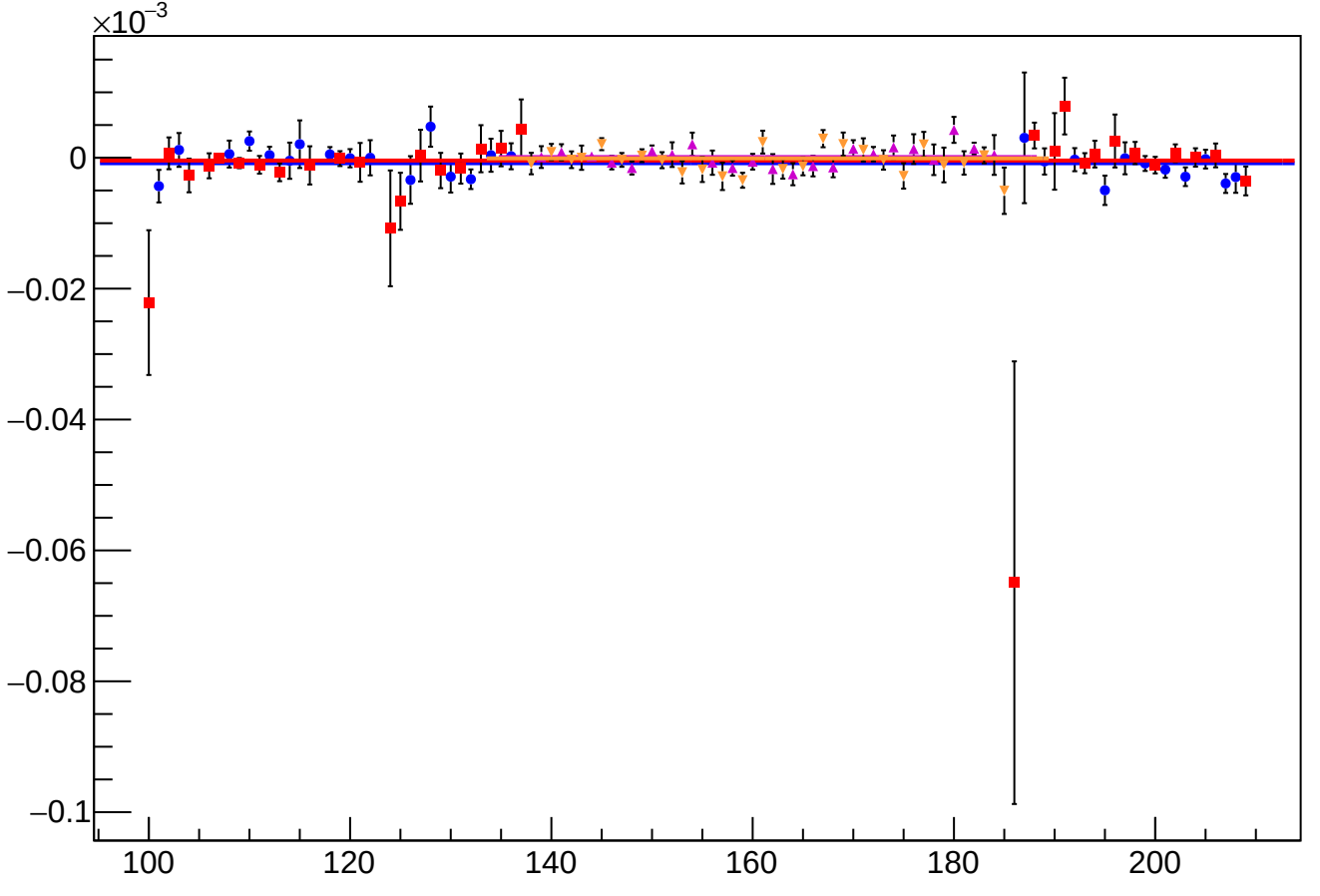
Right Out: 22.348+/-0.004 χ^2/NDF: 4098145.8/31

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 17.857+/-0.002 χ^2/NDF: 7655616.4/51

All: 17.832+/-0.002 χ^2/NDF: 16993521.6/106

\- sign 17.806+/-0.002 χ^2/NDF: 9337677.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/31

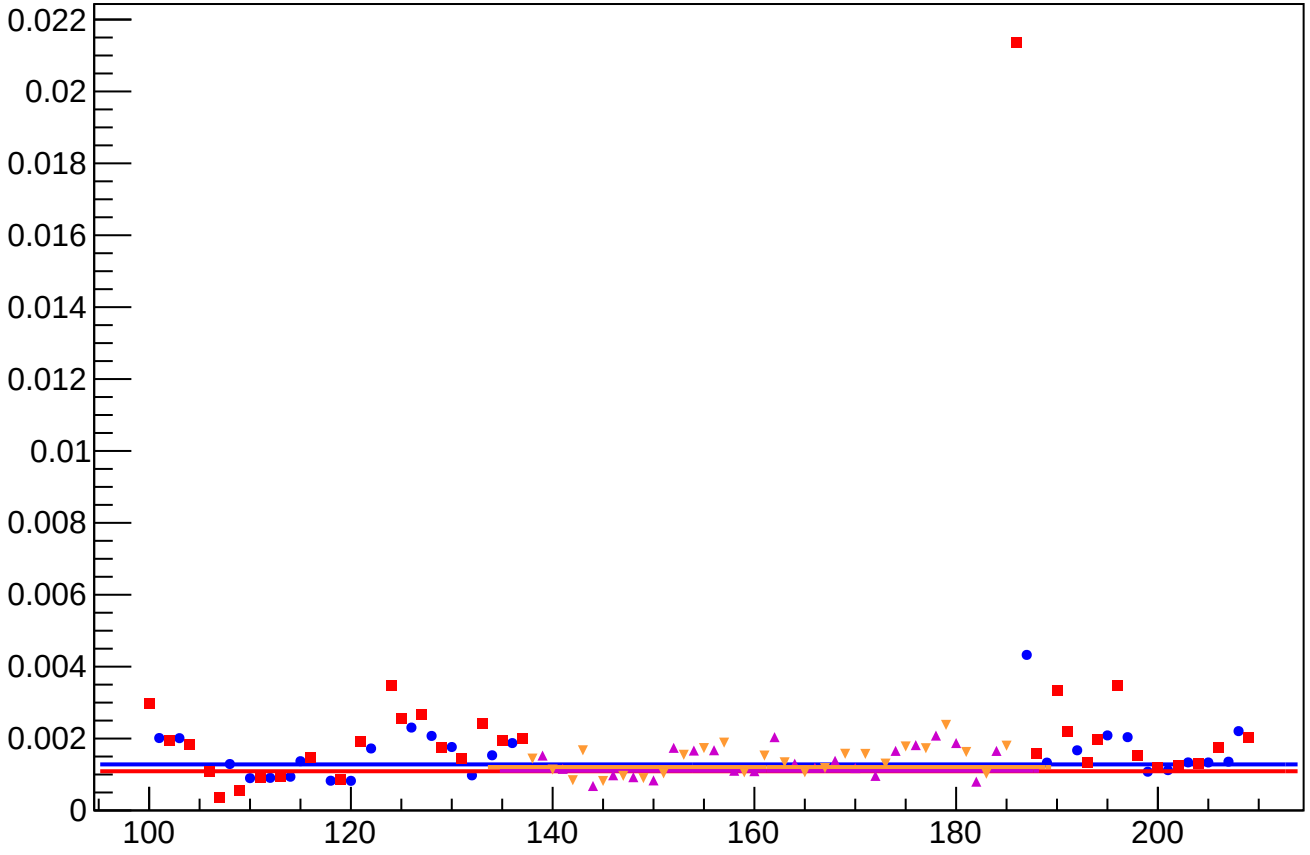
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.3/51

All: -0.000+/-0.000 χ^2/NDF: 123.9/106

- sign -0.000+/-0.000 χ^2/NDF: 52.8/54

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3058076.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

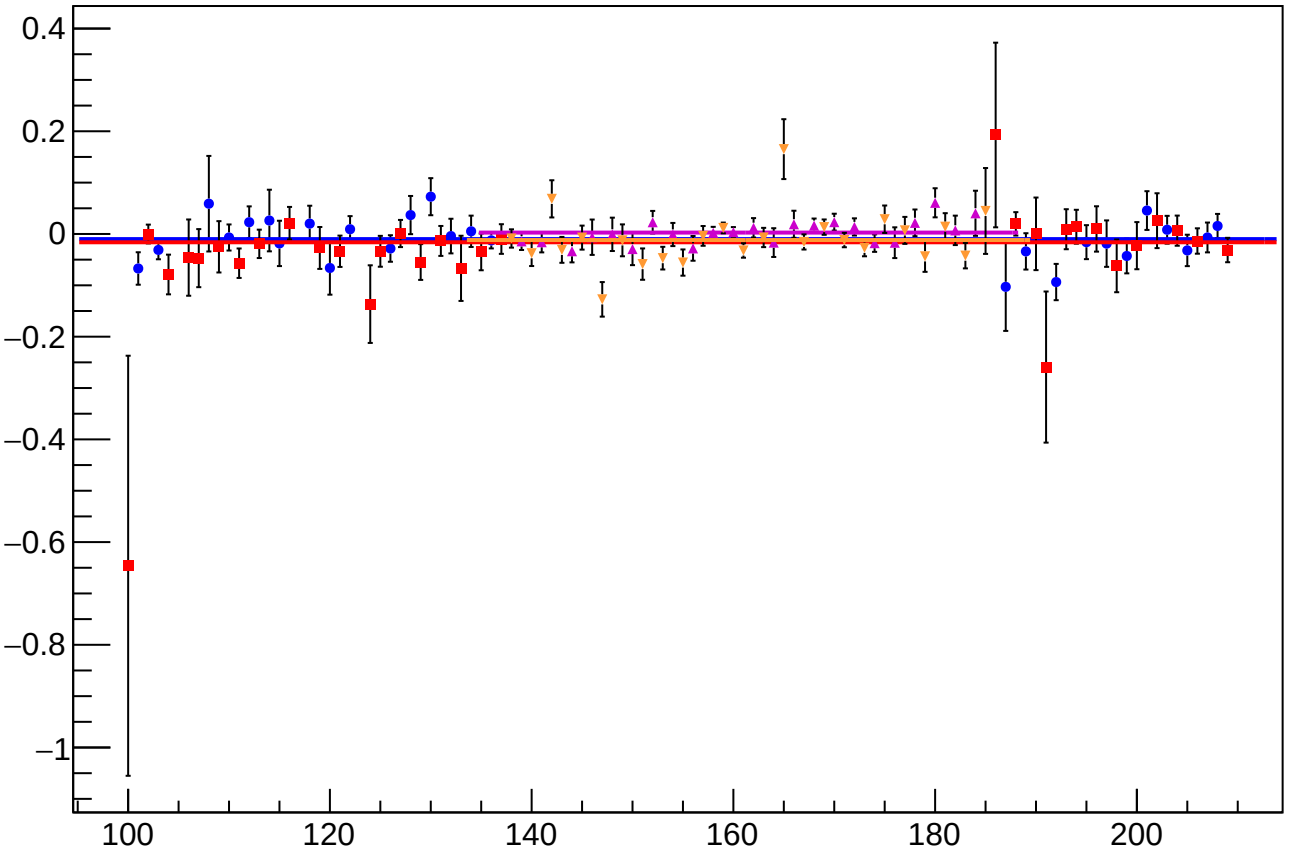
Right Out: 0.001+/-0.000 χ^2/NDF: 8325480.2/31

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5832343.3/51

All: 0.001+/-0.000 χ^2/NDF: 18087011.5/106

- sign 0.001+/-0.000 χ^2/NDF: 11822618.7/54



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

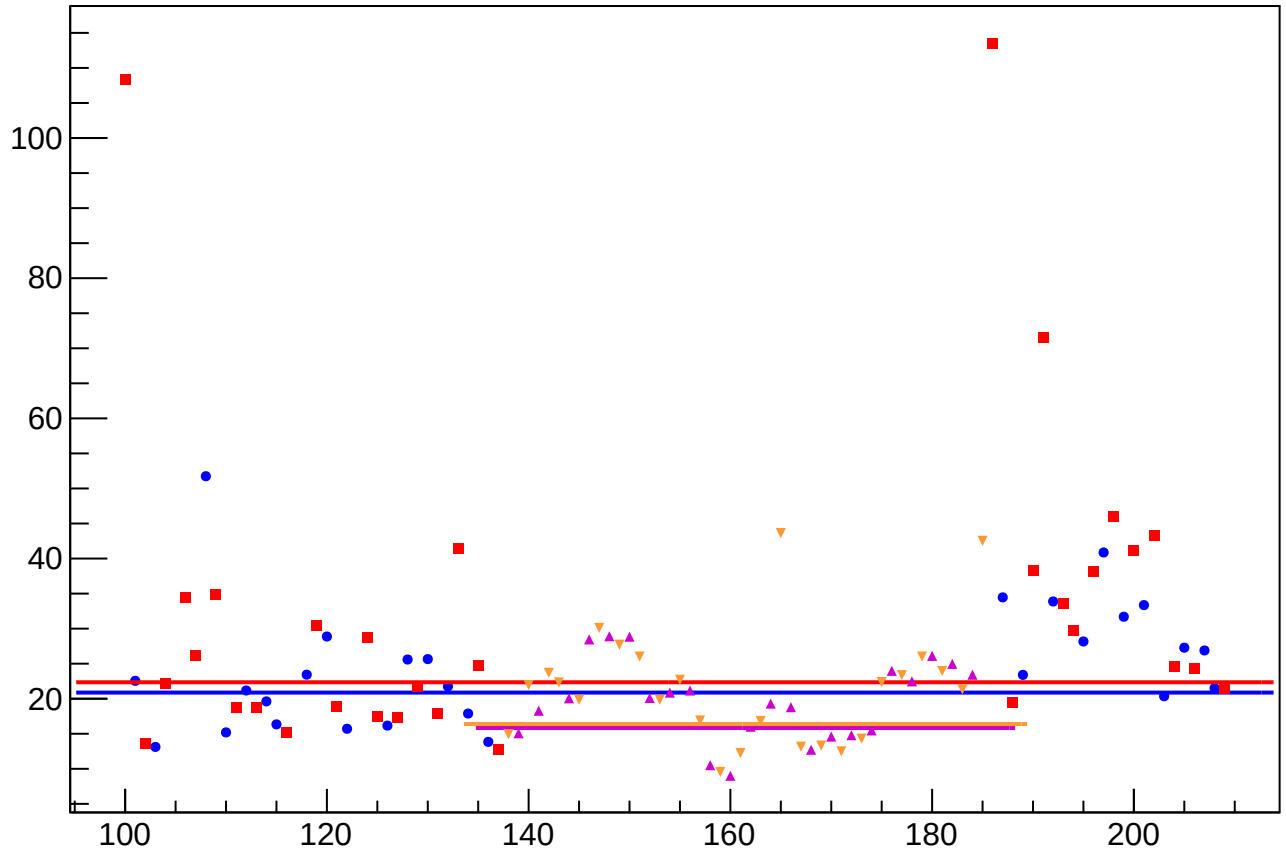
Right Out: -0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 138.5/106

- sign -0.003+/-0.003 χ^2/NDF: 52.6/54



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

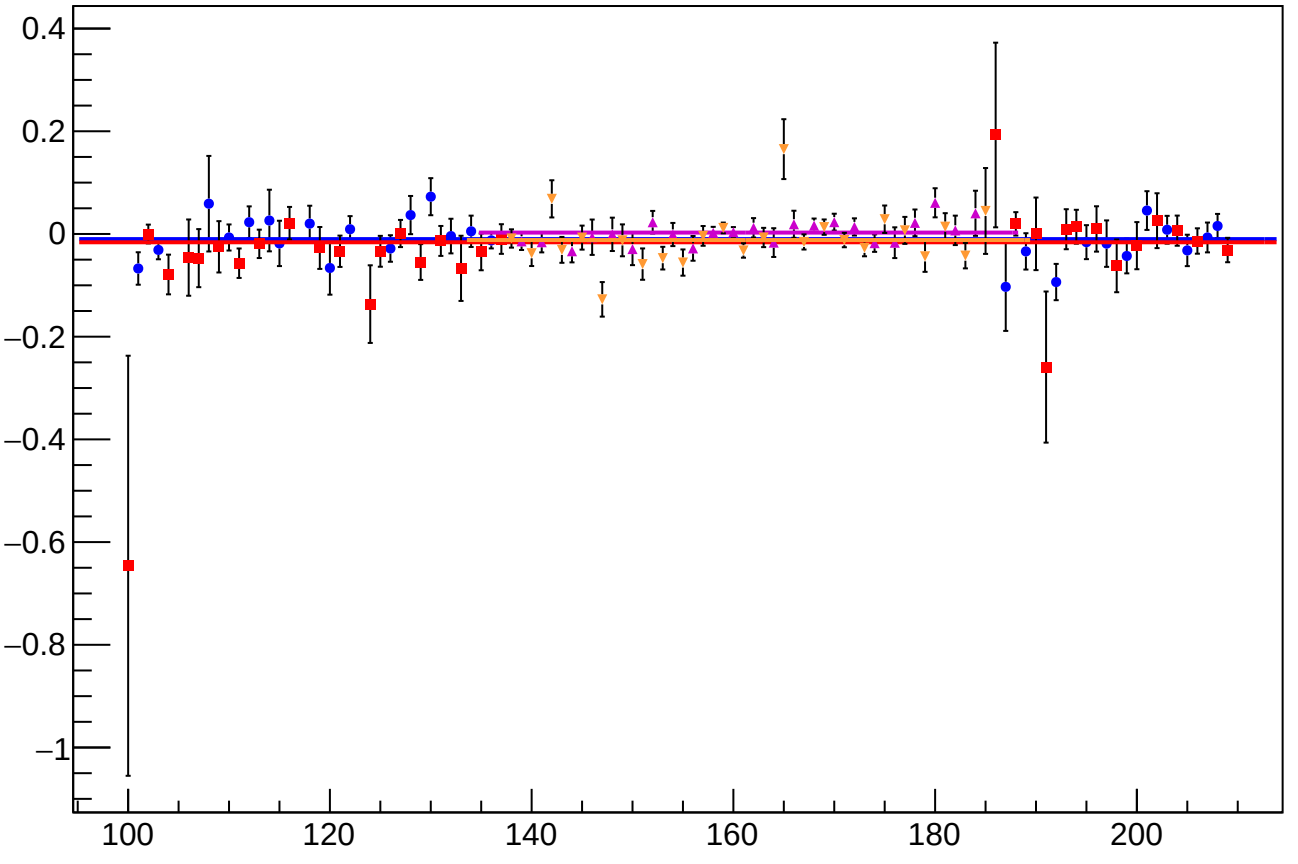
Right Out: 22.349+/-0.004 χ^2/NDF: 4097883.7/31

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.857+/-0.002 χ^2/NDF: 7655969.9/51

All: 17.832+/-0.002 χ^2/NDF: 16994291.5/106

\- sign 17.806+/-0.002 χ^2/NDF: 9338094.6/54



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

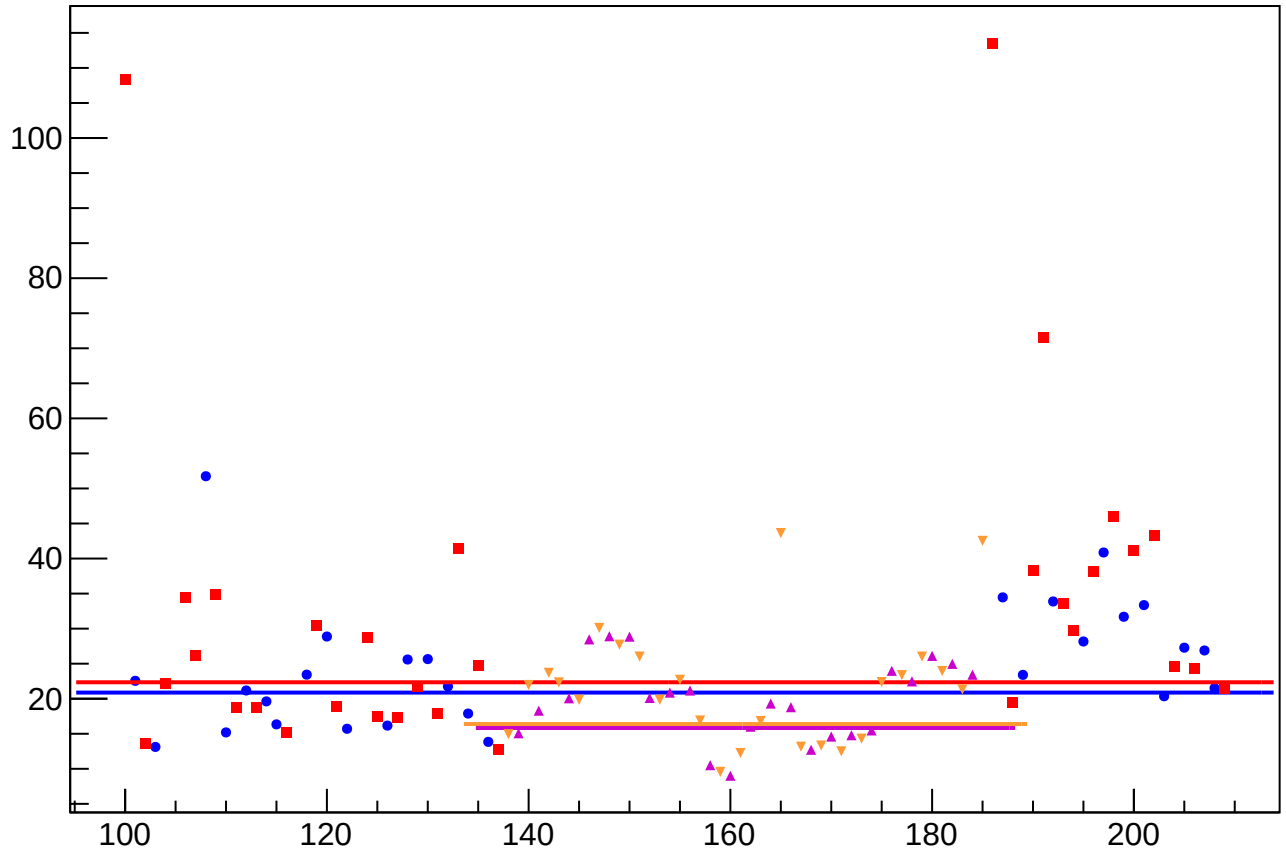
Right Out: -0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.003 χ^2/NDF: 82.9/51

All: -0.007+/-0.002 χ^2/NDF: 138.5/106

- sign -0.003+/-0.003 χ^2/NDF: 52.6/54



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

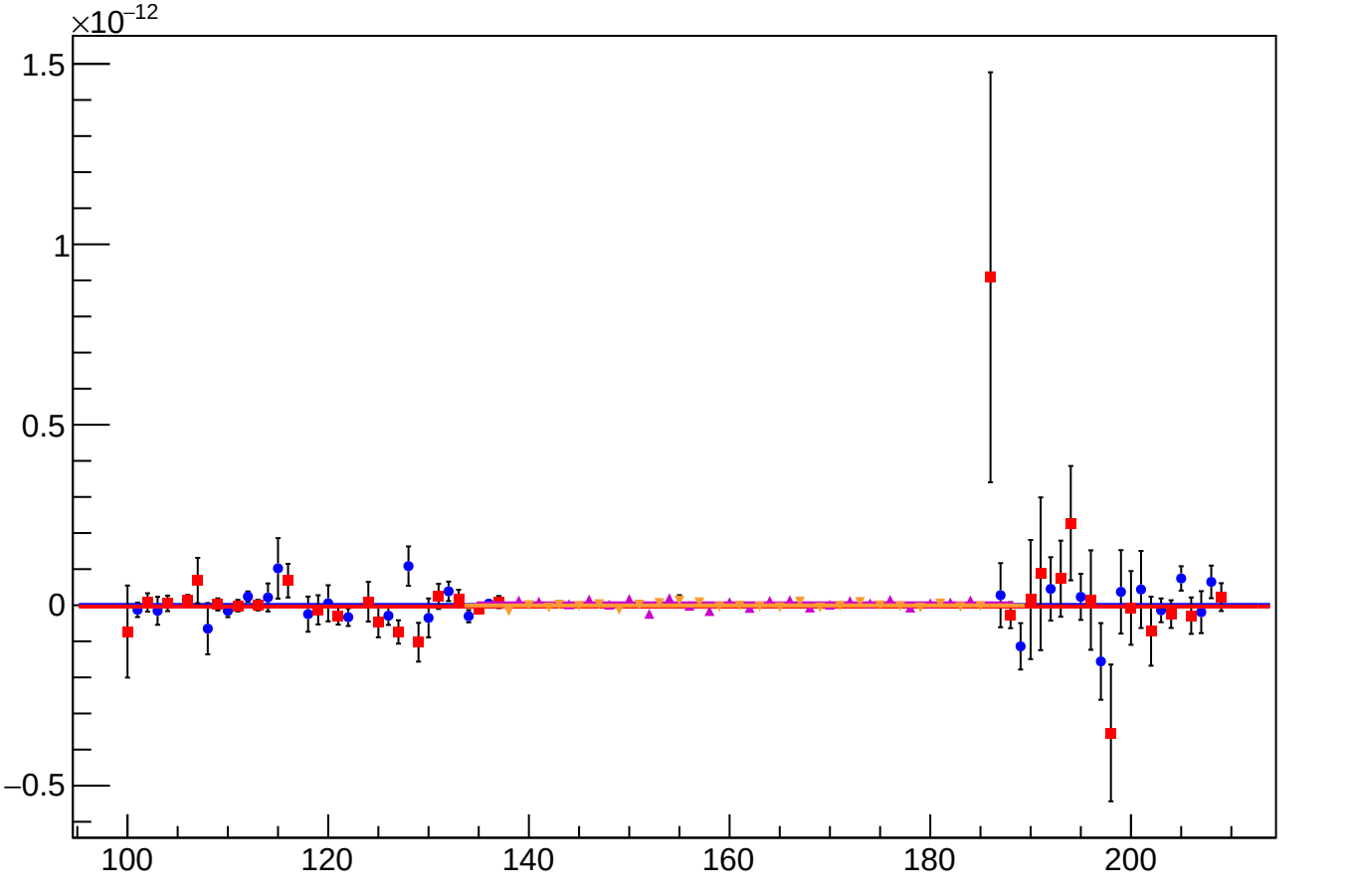
Right Out: 22.349+/-0.004 χ^2/NDF: 4097883.7/31

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.857+/-0.002 χ^2/NDF: 7655969.9/51

All: 17.832+/-0.002 χ^2/NDF: 16994291.5/106

\- sign 17.806+/-0.002 χ^2/NDF: 9338094.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

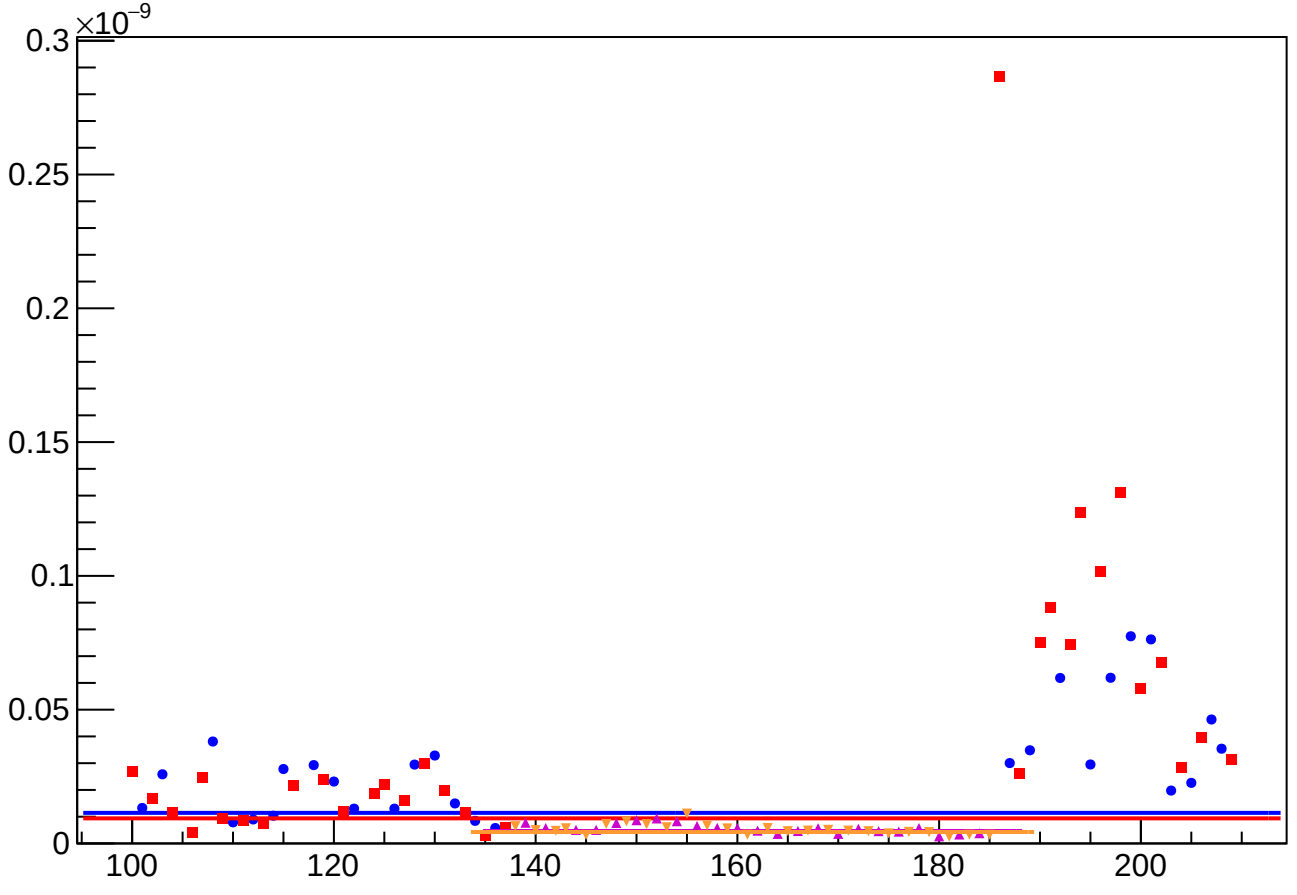
Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/31

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

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/51

All: 0.000+/-0.000 χ^2/NDF: 132.3/106

- sign 0.000+/-0.000 χ^2/NDF: 71.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 7555727.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11471941.2/31

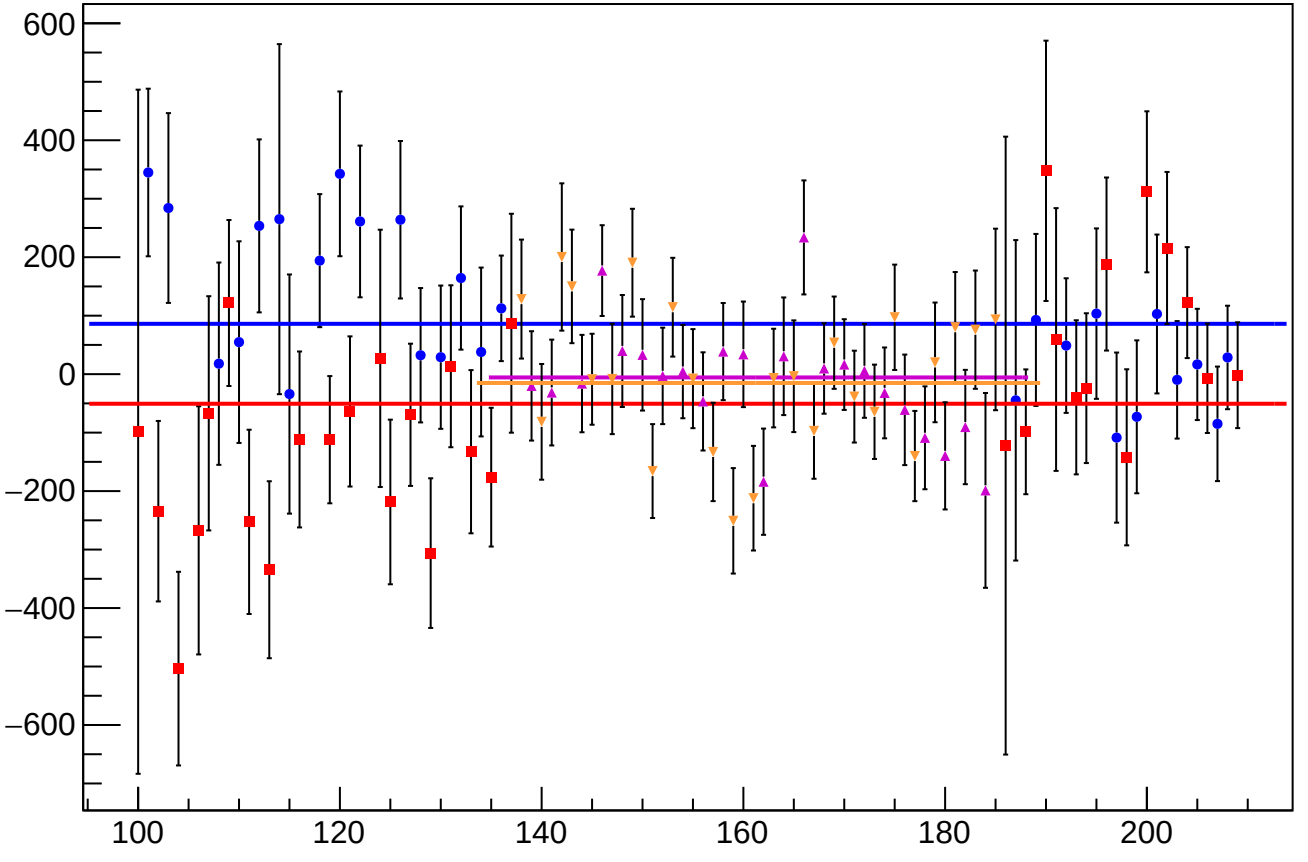
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14210667.9/51

All: 0.000+/-0.000 χ^2/NDF: 30399552.6/106

- sign 0.000+/-0.000 χ^2/NDF: 16114656.0/54

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 86.061+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -50.615+/-24.593 χ^2/NDF: 46.5/31

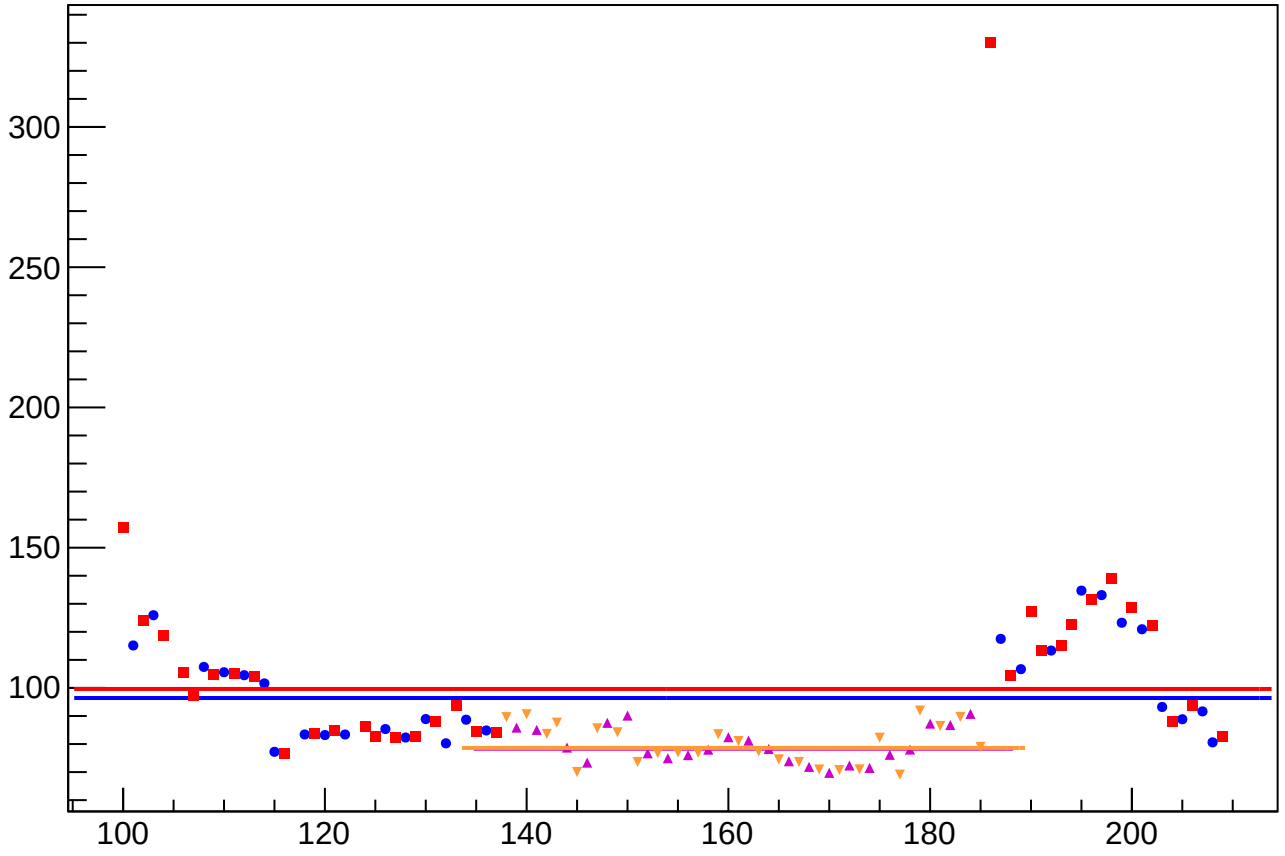
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 19.892+/-14.523 χ^2/NDF: 76.9/51

All: -0.645+/-10.339 χ^2/NDF: 152.6/106

- sign -21.753+/-14.723 χ^2/NDF: 71.7/54

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406+/-0.017 χ^2/NDF: 889302.1/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

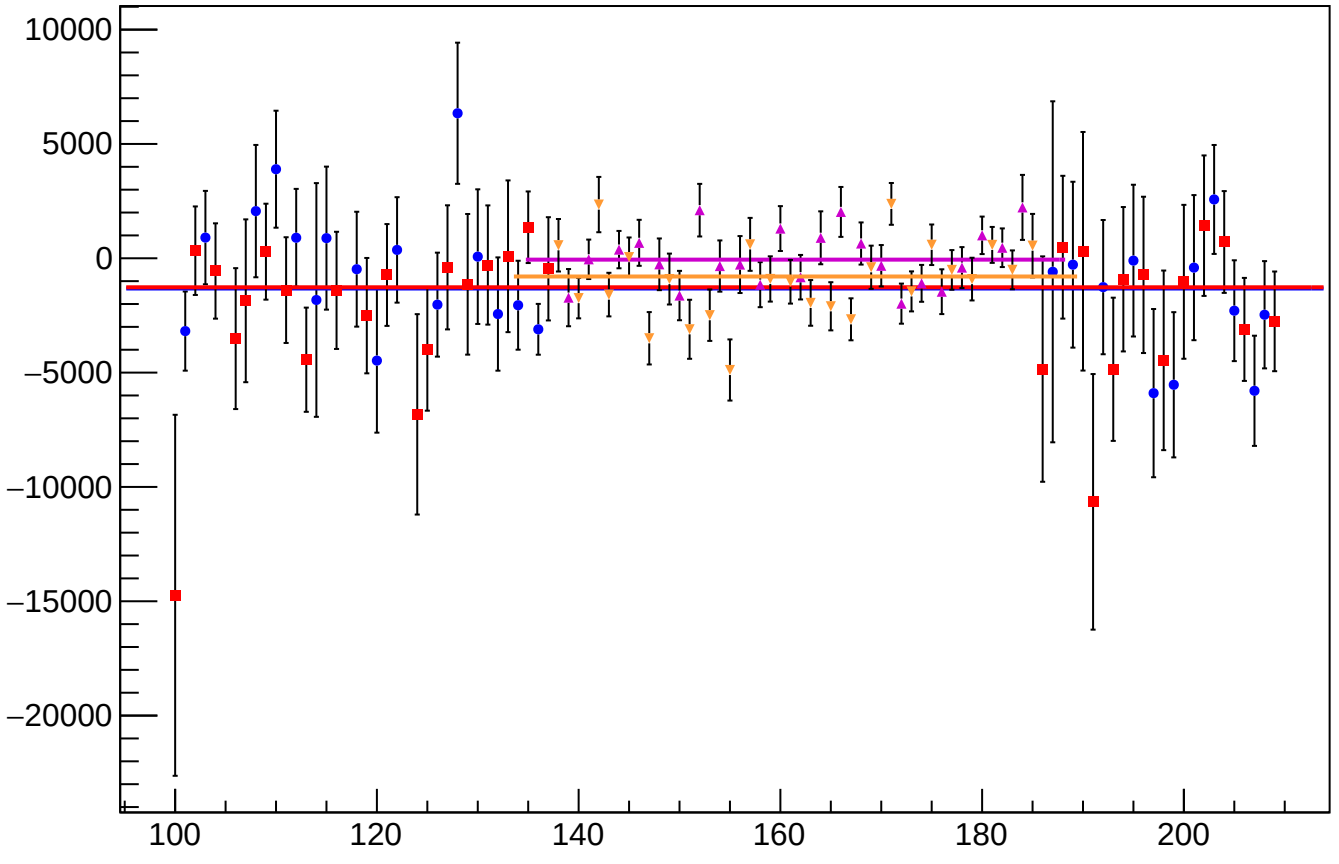
Right Out: 99.635+/-0.017 χ^2/NDF: 1398293.9/31

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.771+/-0.010 χ^2/NDF: 1875405.0/51

All: 85.362+/-0.007 χ^2/NDF: 4452159.1/106

- sign 85.969+/-0.010 χ^2/NDF: 2570045.8/54



Right In: -1321.904+/-465.626 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

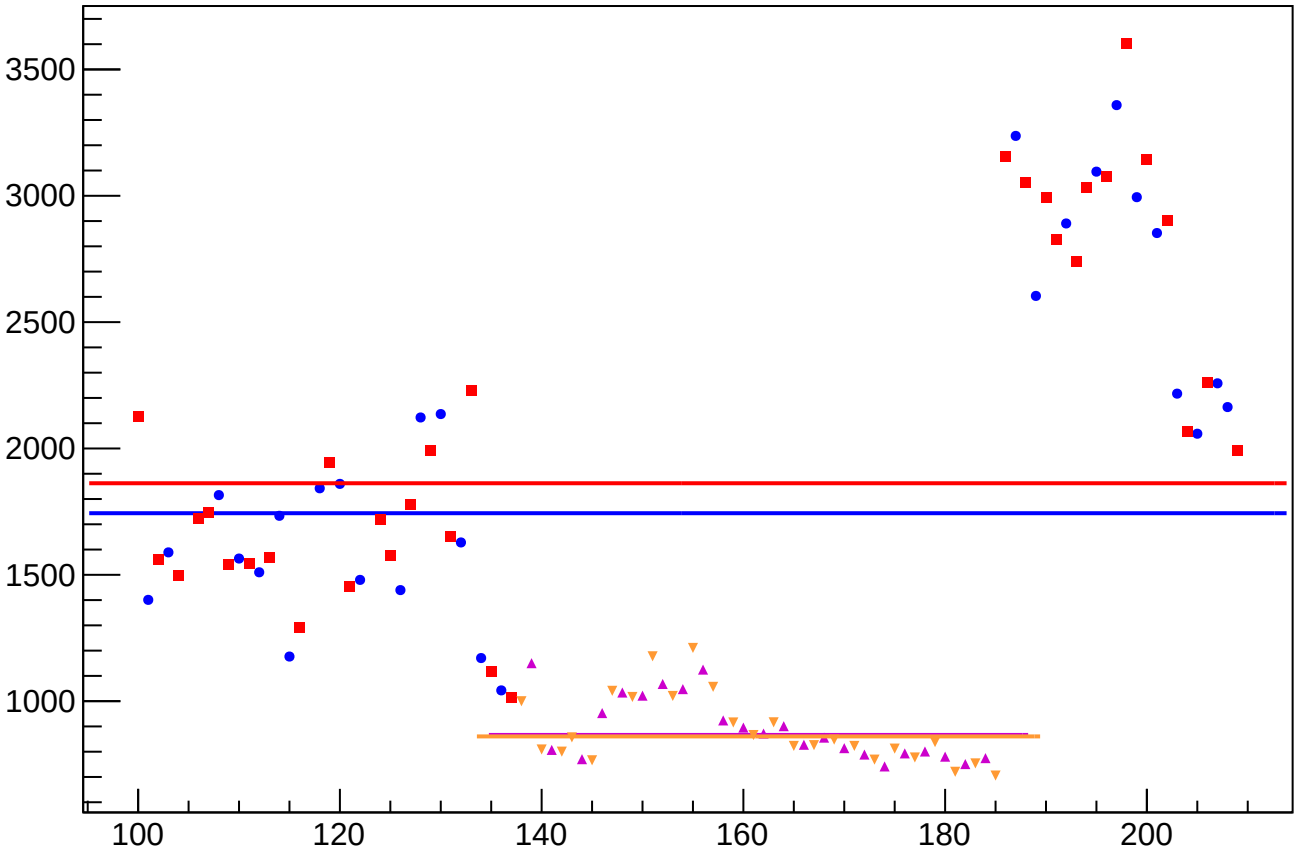
Right Out: -1268.699+/-473.610 χ^2/NDF: 21.5/31

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -877.301+/-182.120 χ^2/NDF: 91.2/51

All: -572.825+/-130.705 χ^2/NDF: 154.4/106

- sign -249.415+/-187.697 χ^2/NDF: 57.5/54



Right In: 1743.838+/-0.329 χ^2/NDF: 3342971.2/26

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1862.403+/-0.335 χ^2/NDF: 3474232.6/31

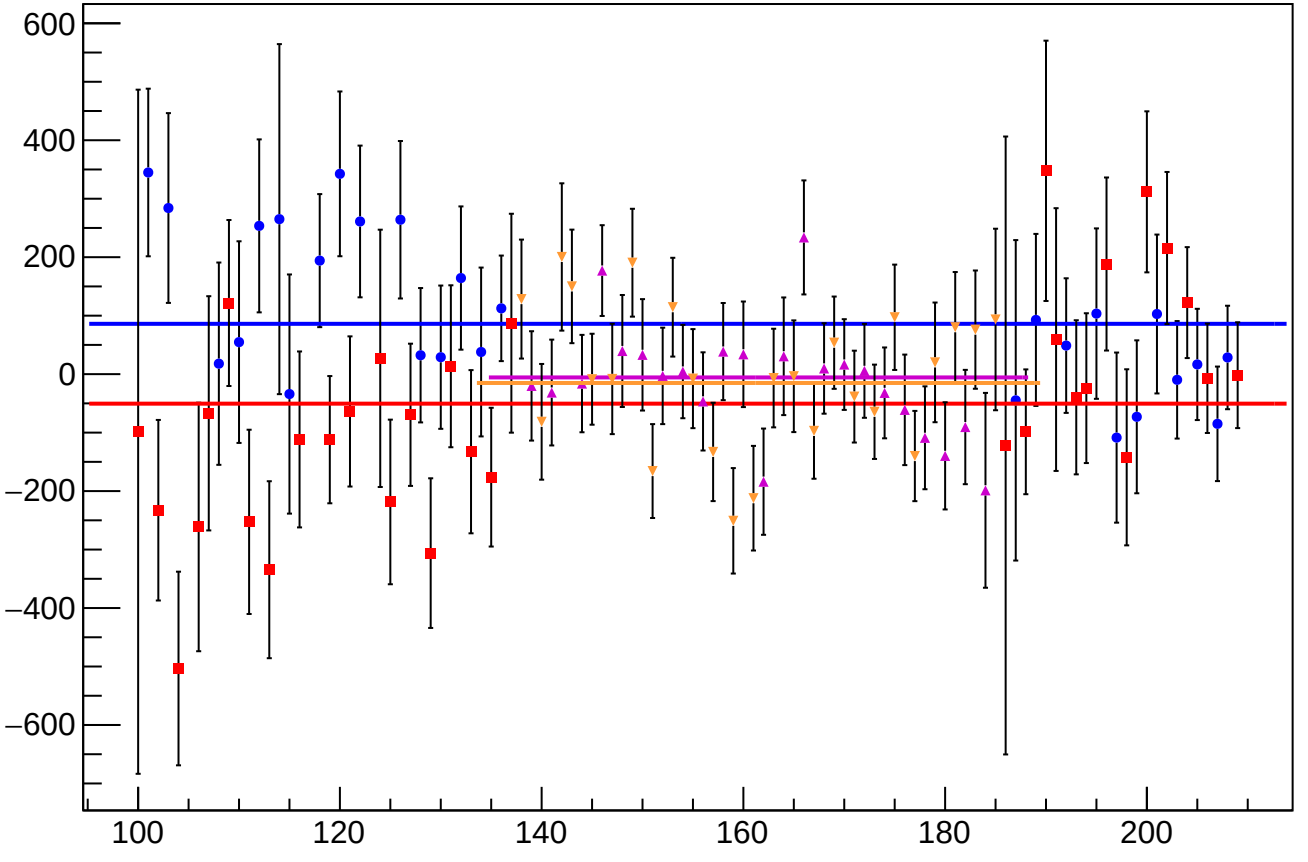
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 995.628+/-0.129 χ^2/NDF: 10139132.0/51

All: 1008.801+/-0.092 χ^2/NDF: 21704913.1/1

- sign 1022.794+/-0.133 χ^2/NDF: 11544202.0/54

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -50.479+/-24.594 χ^2/NDF: 46.4/31

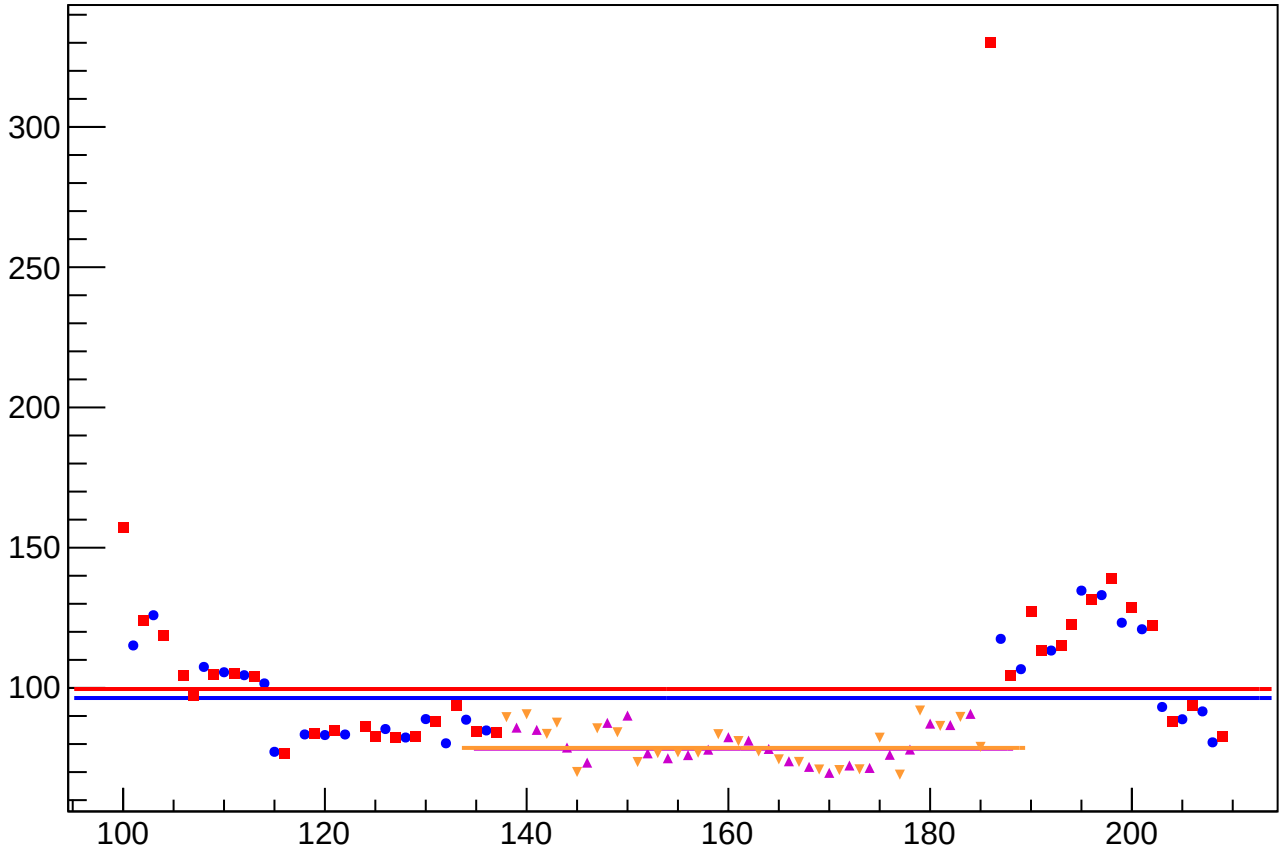
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 19.891+/-14.523 χ^2/NDF: 76.9/51

All: -0.620+/-10.339 χ^2/NDF: 152.5/106

- sign -21.701+/-14.724 χ^2/NDF: 71.5/54

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.619+/-0.017 χ^2/NDF: 1397865.2/31

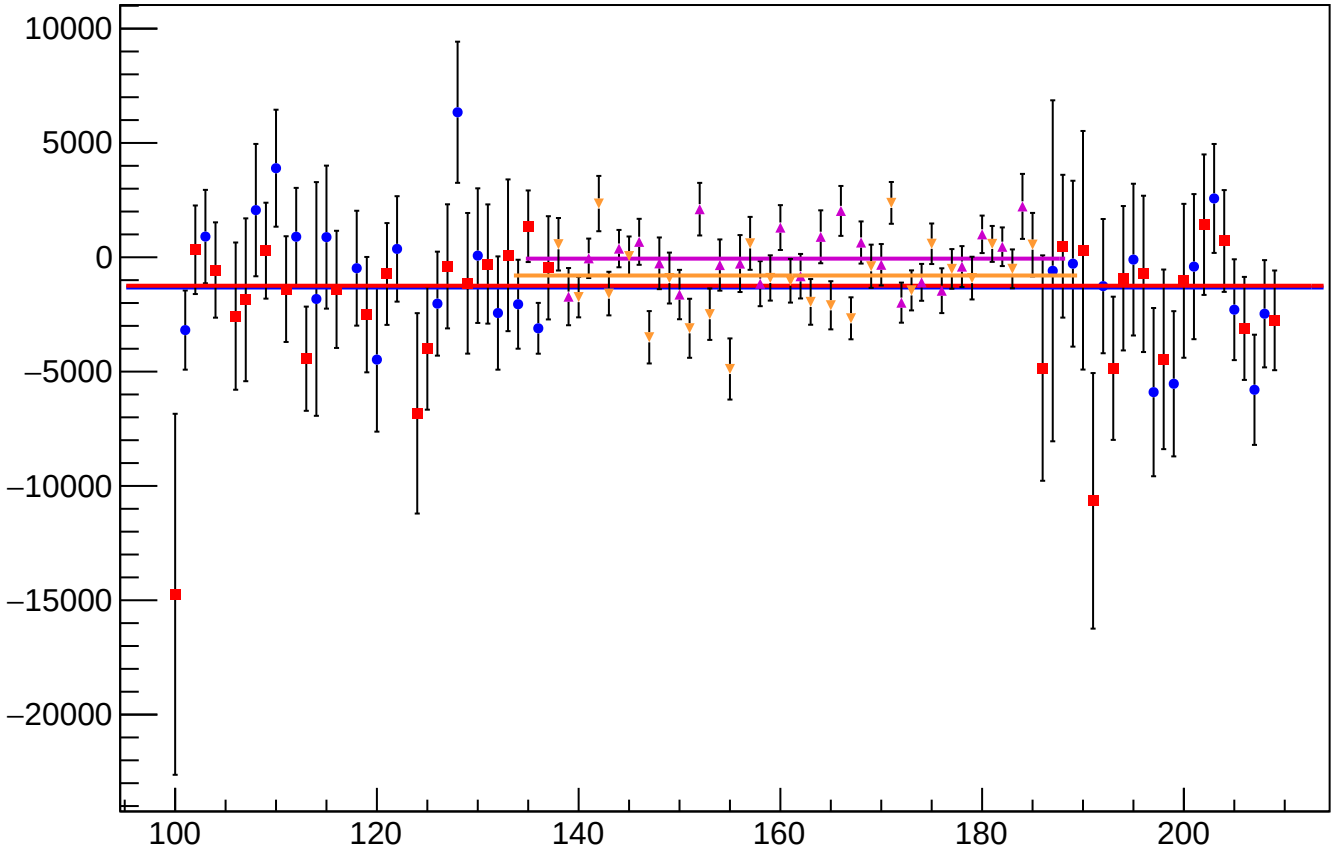
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.771+/-0.010 χ^2/NDF: 1875406.9/51

All: 85.359+/-0.007 χ^2/NDF: 4450122.2/106

- sign 85.963+/-0.010 χ^2/NDF: 2568077.1/54

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1321.890+/-465.627 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1244.130+/-474.093 χ^2/NDF: 21.1/31

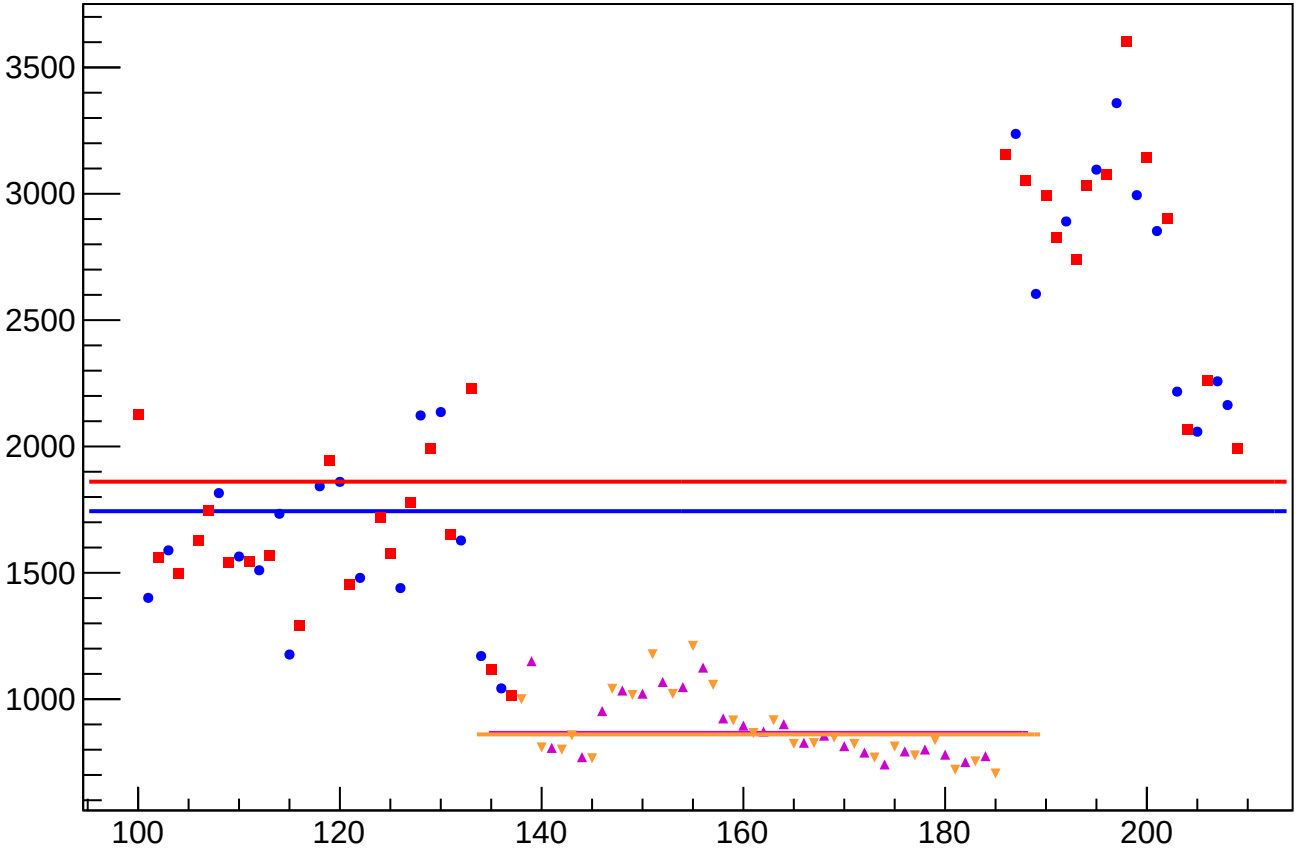
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -877.298+/-182.120 χ^2/NDF: 91.2/51

All: -570.847+/-130.715 χ^2/NDF: 153.9/106

- sign -245.236+/-187.727 χ^2/NDF: 56.9/54

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1860.697+/-0.335 χ^2/NDF: 3480395.0/31

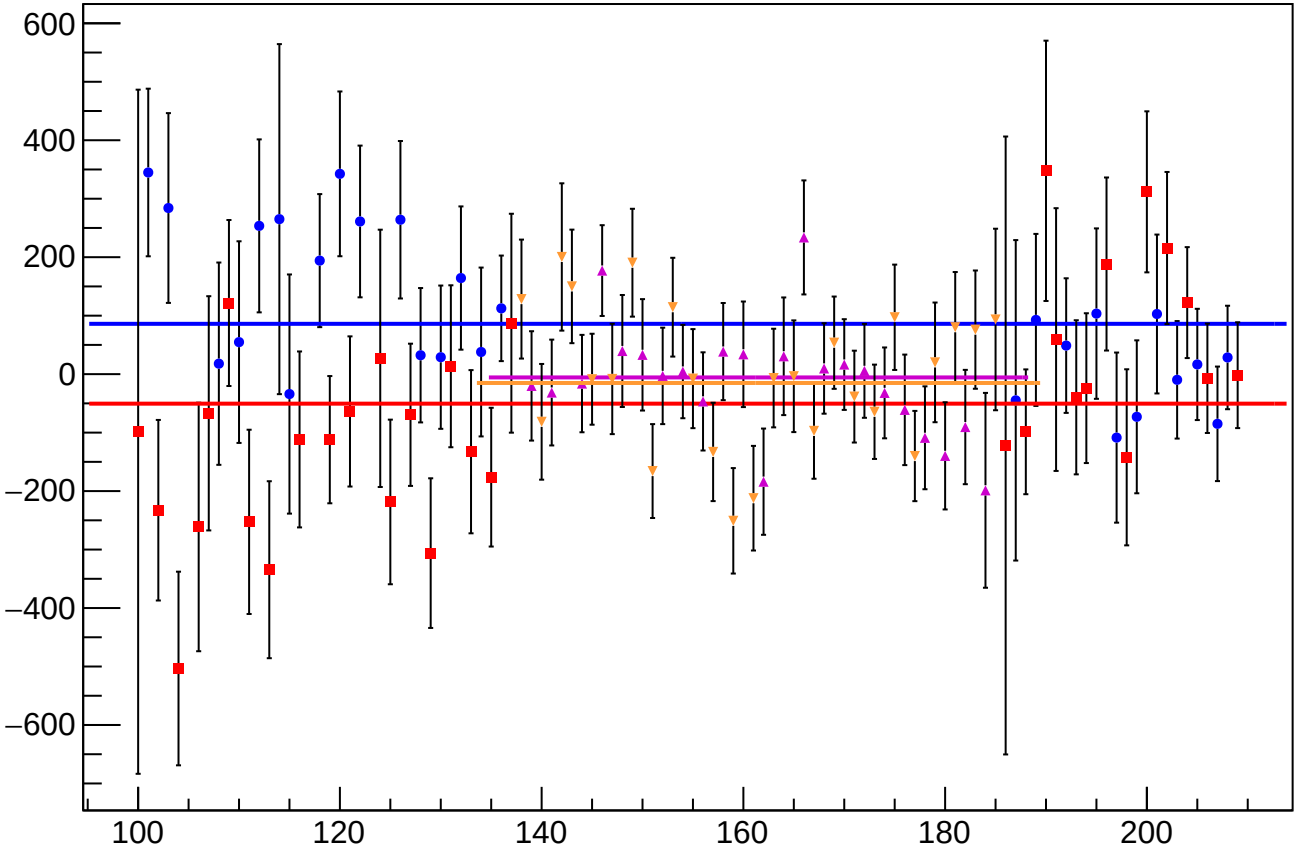
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 995.628+/-0.129 χ^2/NDF: 10139151.9/51

All: 1008.539+/-0.092 χ^2/NDF: 21671954.1/1

- sign 1022.258+/-0.133 χ^2/NDF: 11512069.7/54

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -50.479+/-24.594 χ^2/NDF: 46.4/31

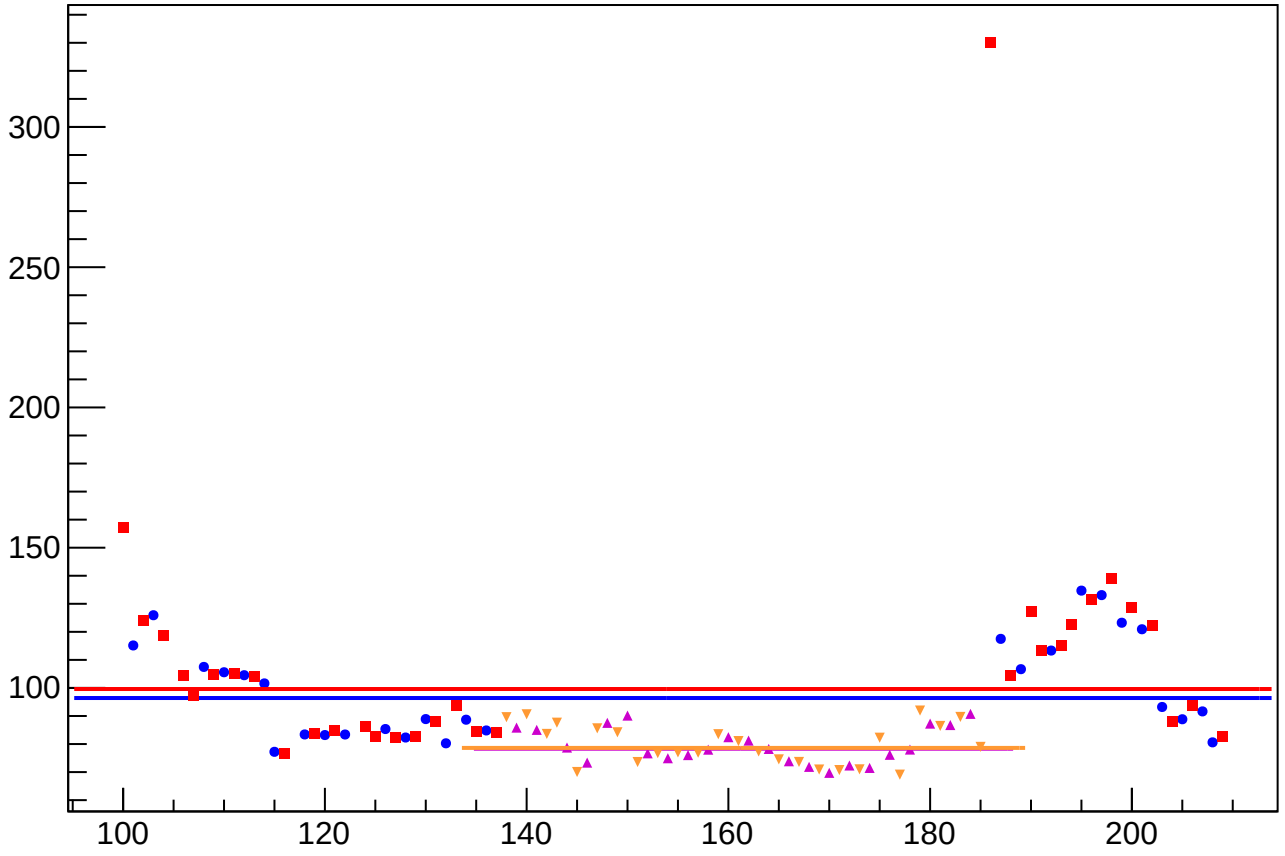
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 19.891+/-14.523 χ^2/NDF: 76.9/51

All: -0.620+/-10.339 χ^2/NDF: 152.5/106

- sign -21.701+/-14.724 χ^2/NDF: 71.5/54

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

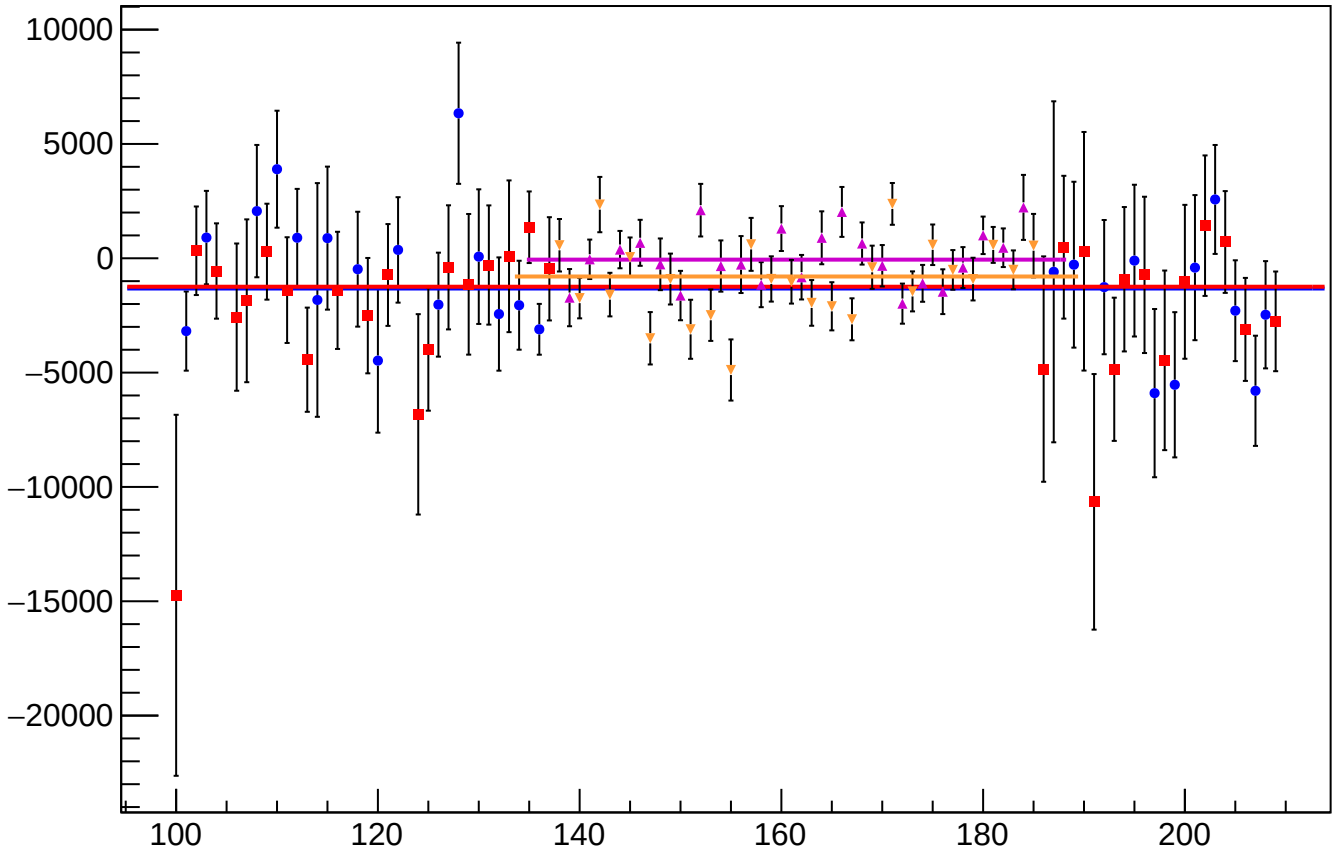
Right Out: 99.619+/-0.017 χ^2/NDF: 1397865.2/31

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.771+/-0.010 χ^2/NDF: 1875406.9/51

All: 85.359+/-0.007 χ^2/NDF: 4450122.2/106

- sign 85.963+/-0.010 χ^2/NDF: 2568077.1/54



Right In: -1321.890+/-465.627 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

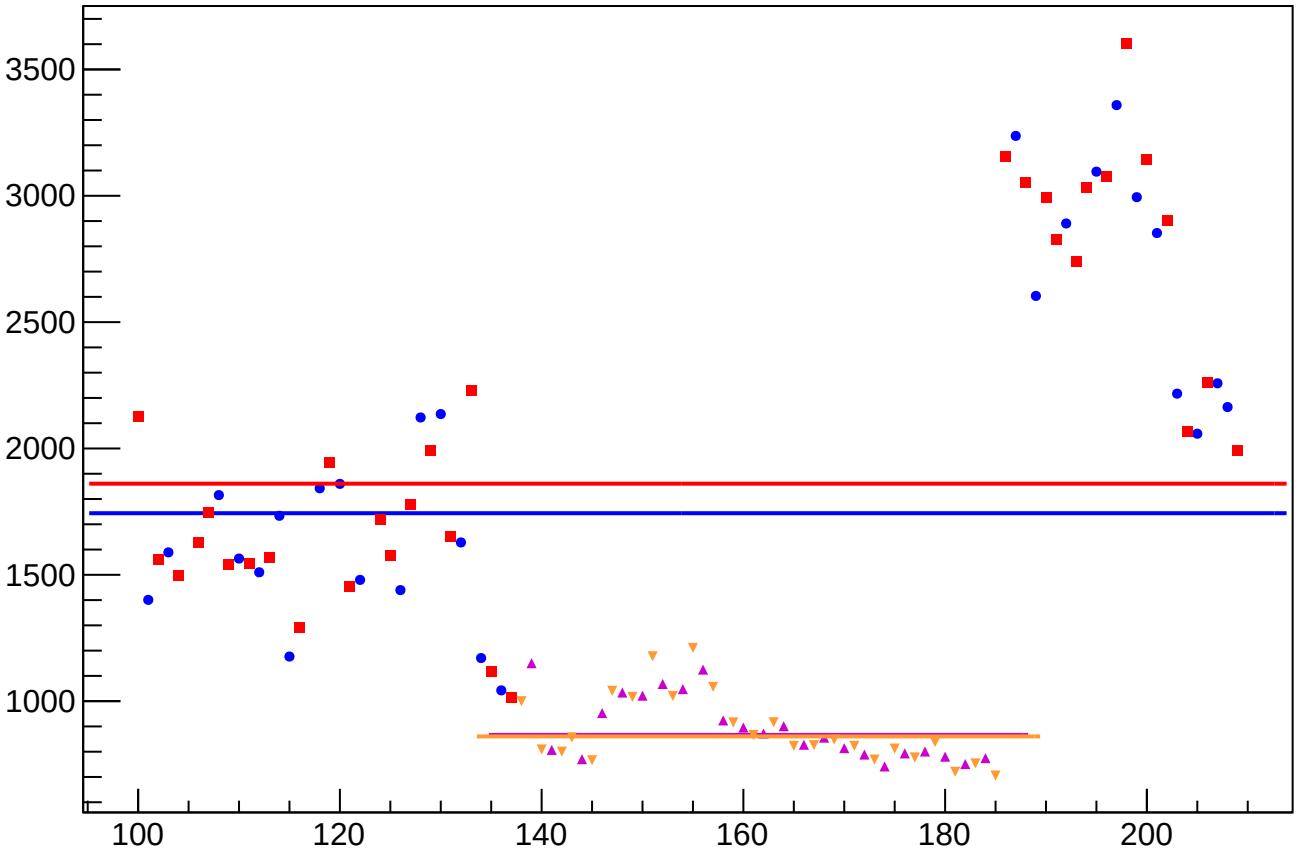
Right Out: -1244.130+/-474.093 χ^2/NDF: 21.1/31

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -877.298+/-182.120 χ^2/NDF: 91.2/51

All: -570.847+/-130.715 χ^2/NDF: 153.9/106

- sign -245.236+/-187.727 χ^2/NDF: 56.9/54



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1860.697+/-0.335 χ^2/NDF: 3480395.0/31

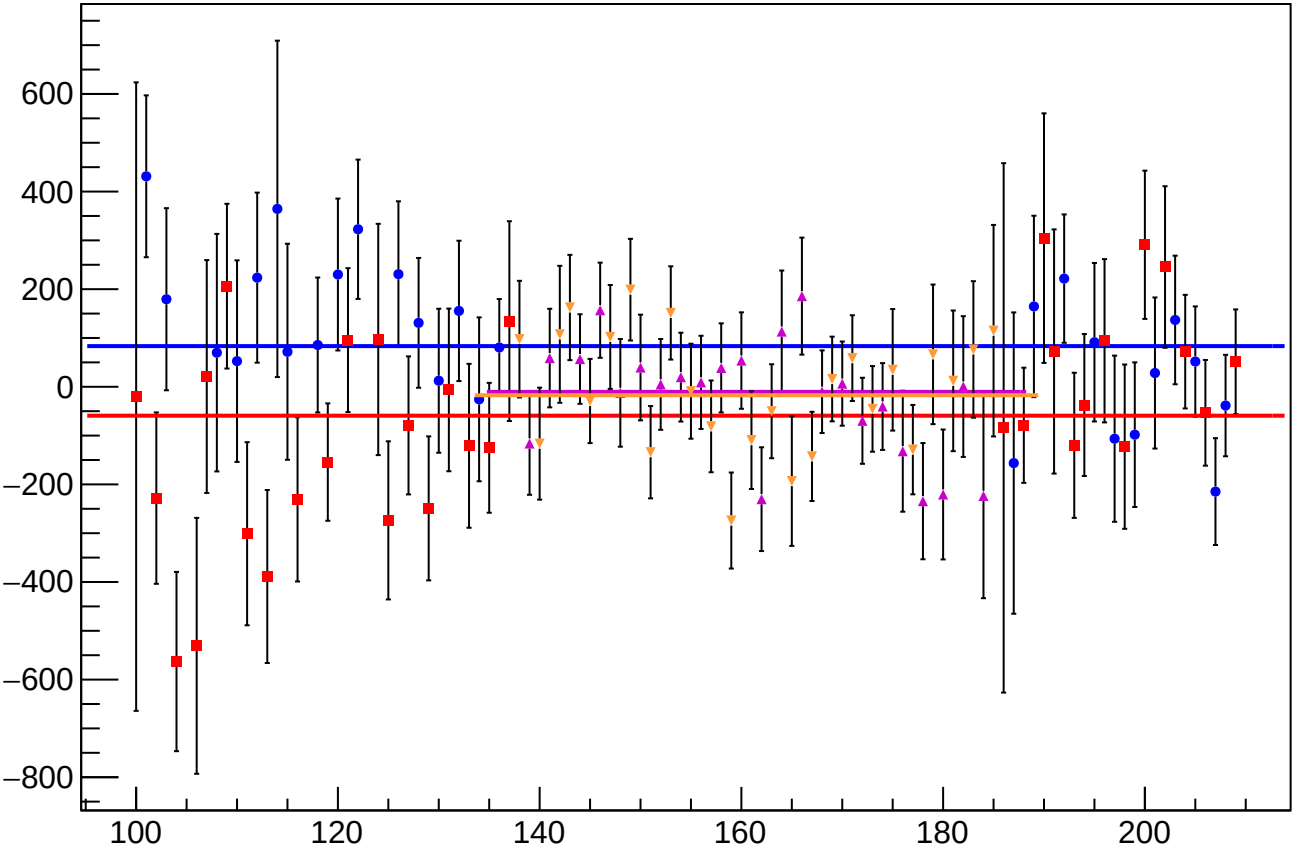
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 995.628+/-0.129 χ^2/NDF: 10139151.9/51

All: 1008.539+/-0.092 χ^2/NDF: 21671954.1/1

- sign 1022.258+/-0.133 χ^2/NDF: 11512069.7/54

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 83.341+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -59.210+/-28.373 χ^2/NDF: 41.9/31

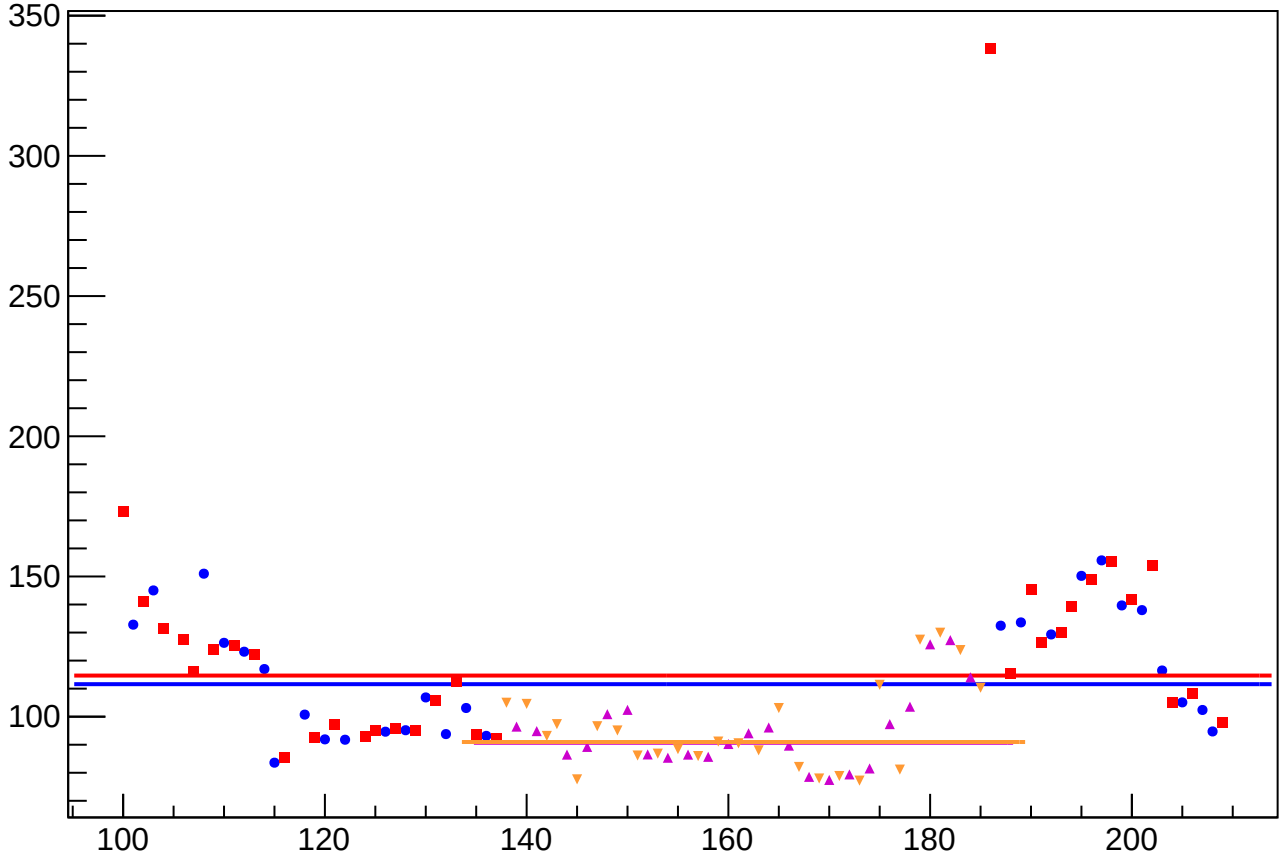
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 17.682+/-16.947 χ^2/NDF: 64.7/51

All: -5.009+/-12.050 χ^2/NDF: 134.8/106

- sign -28.215+/-17.138 χ^2/NDF: 66.5/54

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.592+/-0.020 χ^2/NDF: 974244.0/26

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.662+/-0.020 χ^2/NDF: 1349104.5/31

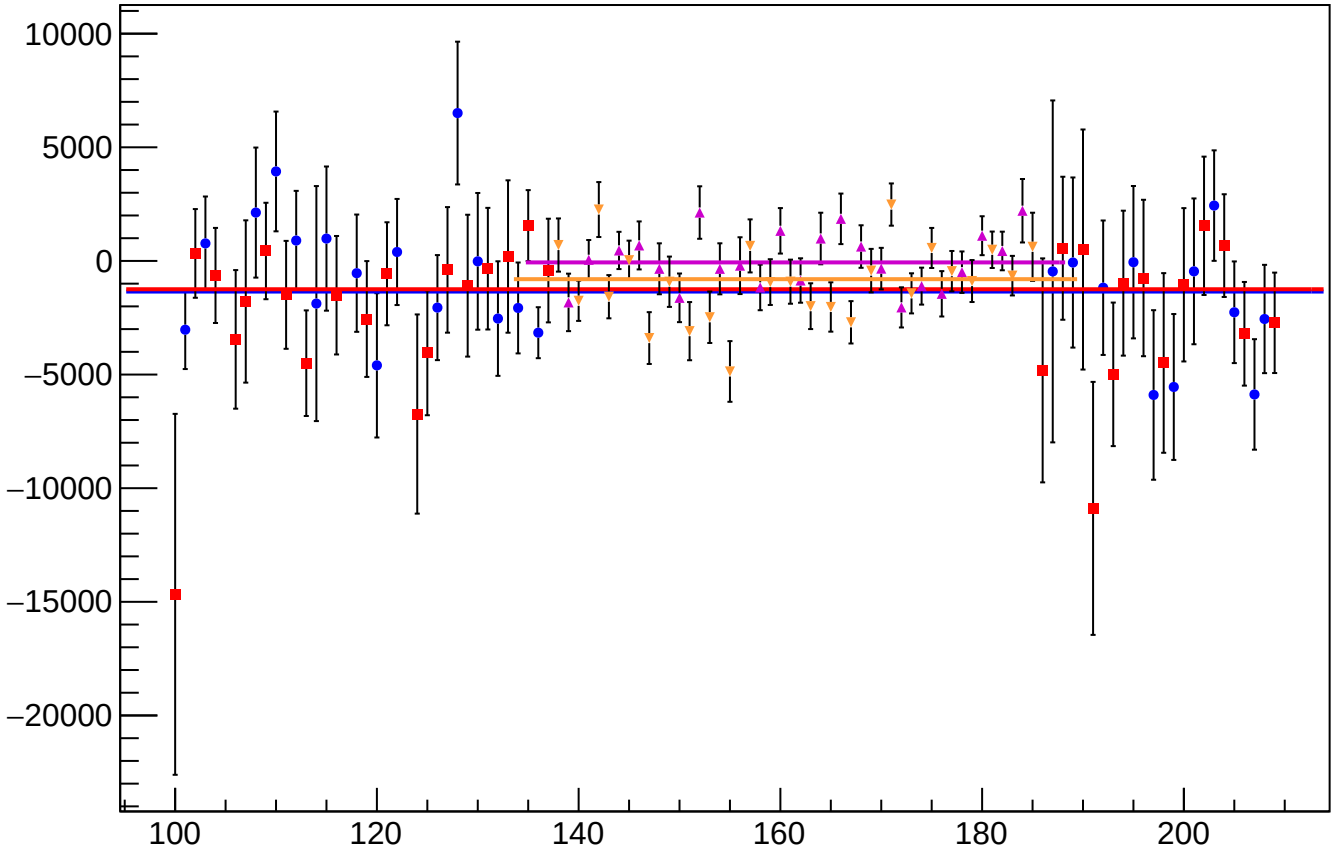
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 98.143+/-0.012 χ^2/NDF: 2430900.0/51

All: 98.782+/-0.009 χ^2/NDF: 5238559.0/106

- sign 99.436+/-0.012 χ^2/NDF: 2801907.8/54

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1347.666+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

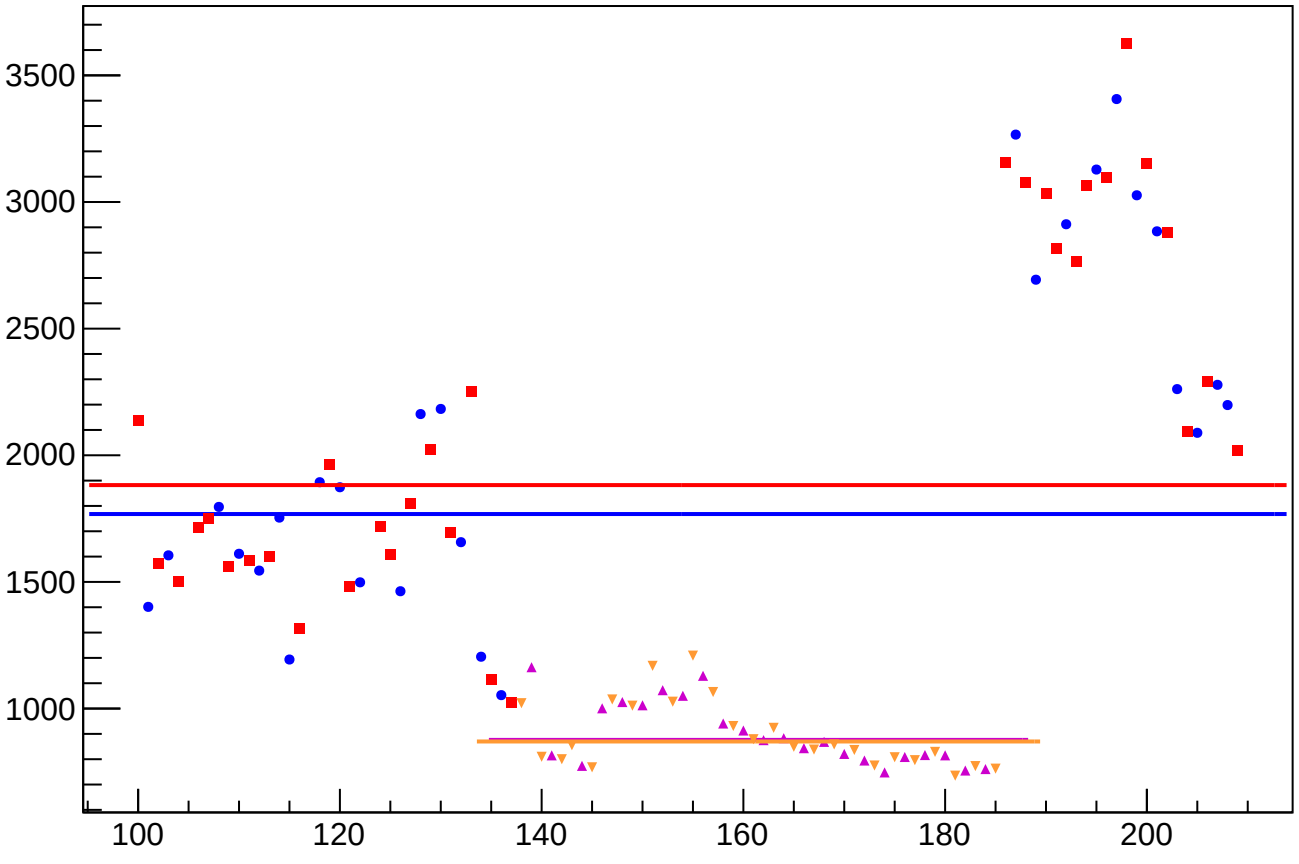
Right Out: -1245.866+/-478.387 χ^2/NDF: 22.3/31

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

\+ sign -885.404+/-184.034 χ^2/NDF: 89.6/51

All: -577.827+/-132.099 χ^2/NDF: 153.5/106

\- sign -250.924+/-189.728 χ^2/NDF: 58.1/54



Right In: 1768.011+/-0.334 χ^2/NDF: 3351963.4/26

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1882.305+/-0.338 χ^2/NDF: 3450092.4/31

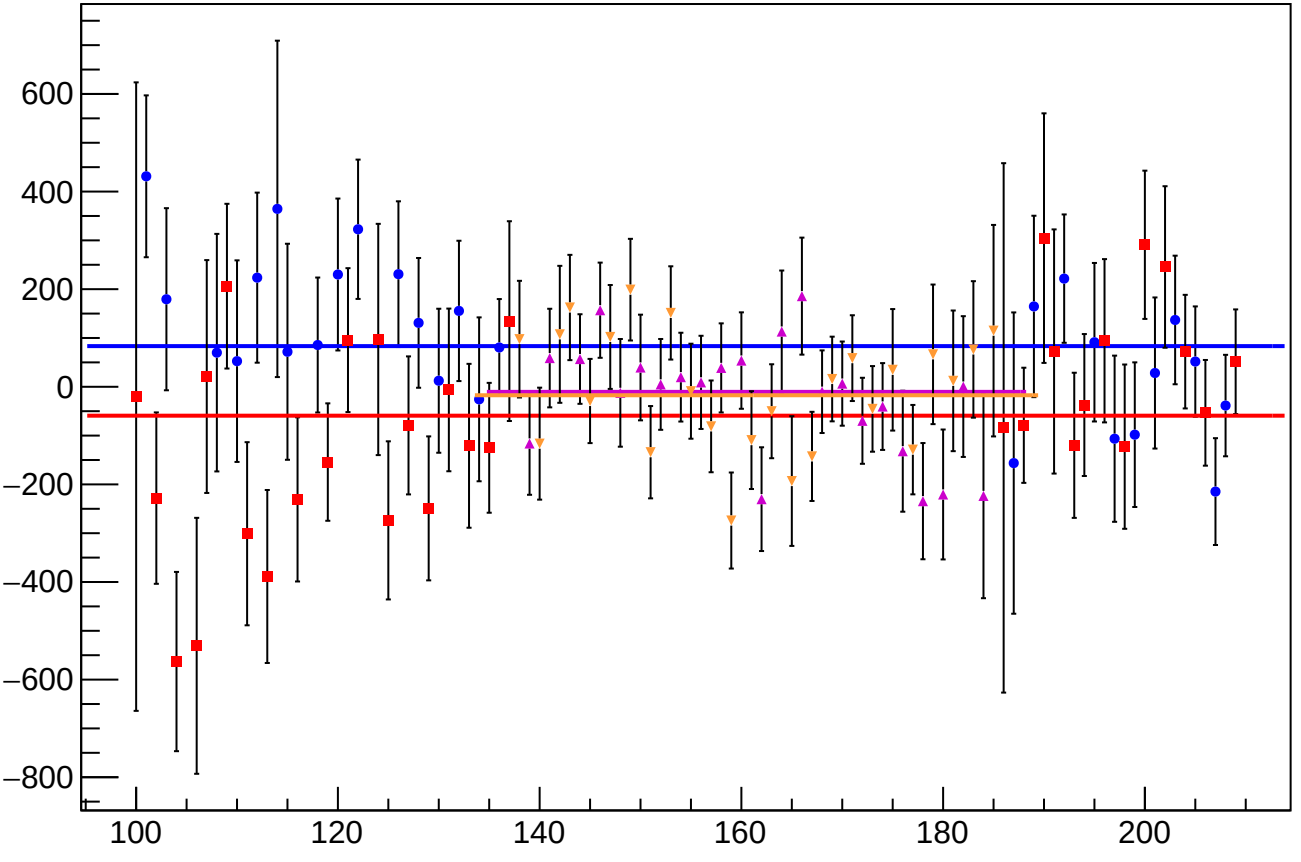
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1006.525+/-0.130 χ^2/NDF: 10137981.7/51

All: 1020.093+/-0.093 χ^2/NDF: 21661422.9/1

- sign 1034.513+/-0.134 χ^2/NDF: 11501016.8/54

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 83.344+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -59.210+/-28.373 χ^2/NDF: 41.9/31

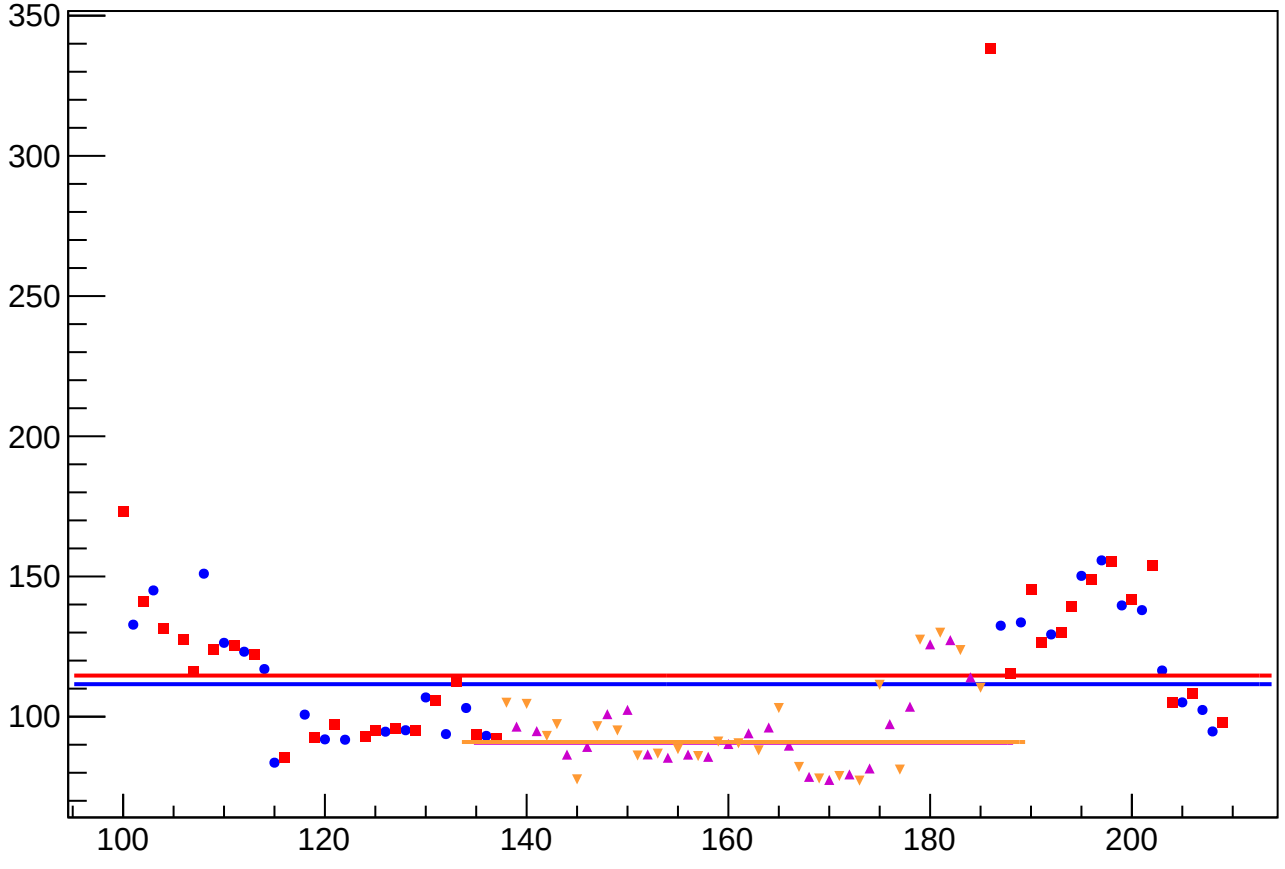
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 17.683+/-16.947 χ^2/NDF: 64.7/51

All: -5.009+/-12.050 χ^2/NDF: 134.8/106

- sign -28.215+/-17.137 χ^2/NDF: 66.5/54

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.591+/-0.020 χ^2/NDF: 974255.6/26

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

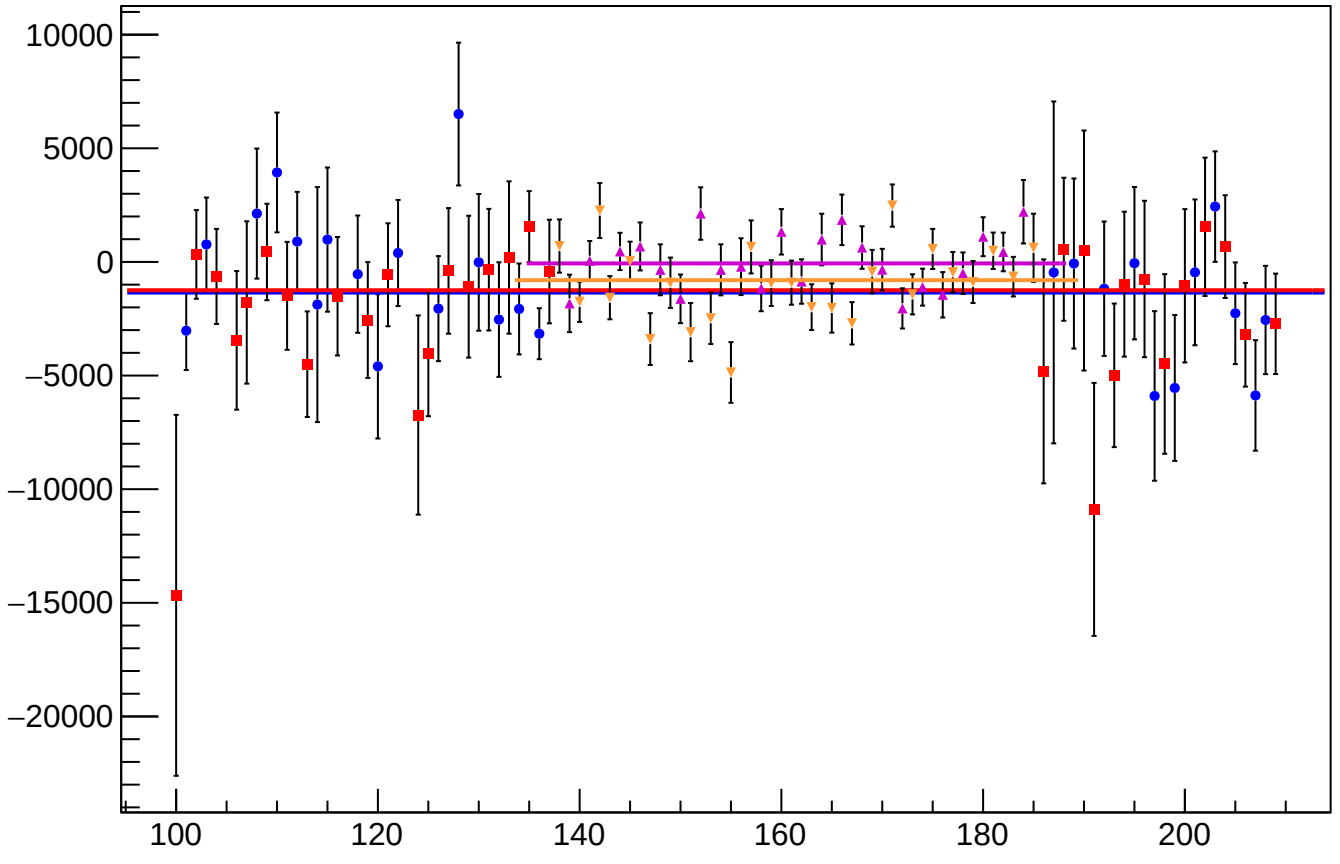
Right Out: 114.662+/-0.020 χ^2/NDF: 1349122.4/31

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 98.143+/-0.012 χ^2/NDF: 2430874.8/51

All: 98.782+/-0.009 χ^2/NDF: 5238516.4/106

- sign 99.436+/-0.012 χ^2/NDF: 2801890.9/54



Right In: -1347.661+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

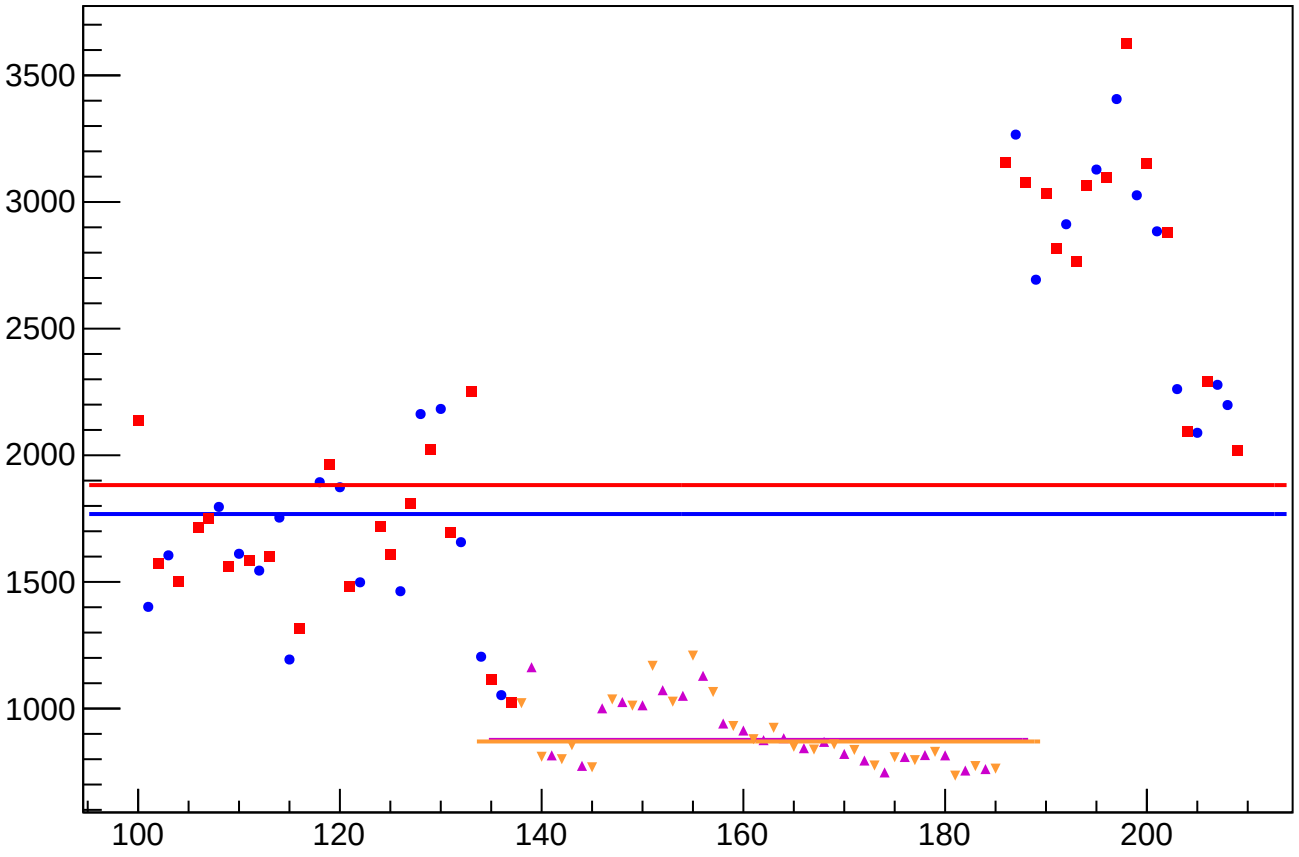
Right Out: -1245.865+/-478.386 χ^2/NDF: 22.3/31

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -885.403+/-184.034 χ^2/NDF: 89.6/51

All: -577.827+/-132.099 χ^2/NDF: 153.5/106

- sign -250.923+/-189.728 χ^2/NDF: 58.1/54



Right In: 1768.008+/-0.334 χ^2/NDF: 3351970.0/26

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1882.302+/-0.338 χ^2/NDF: 3450103.9/31

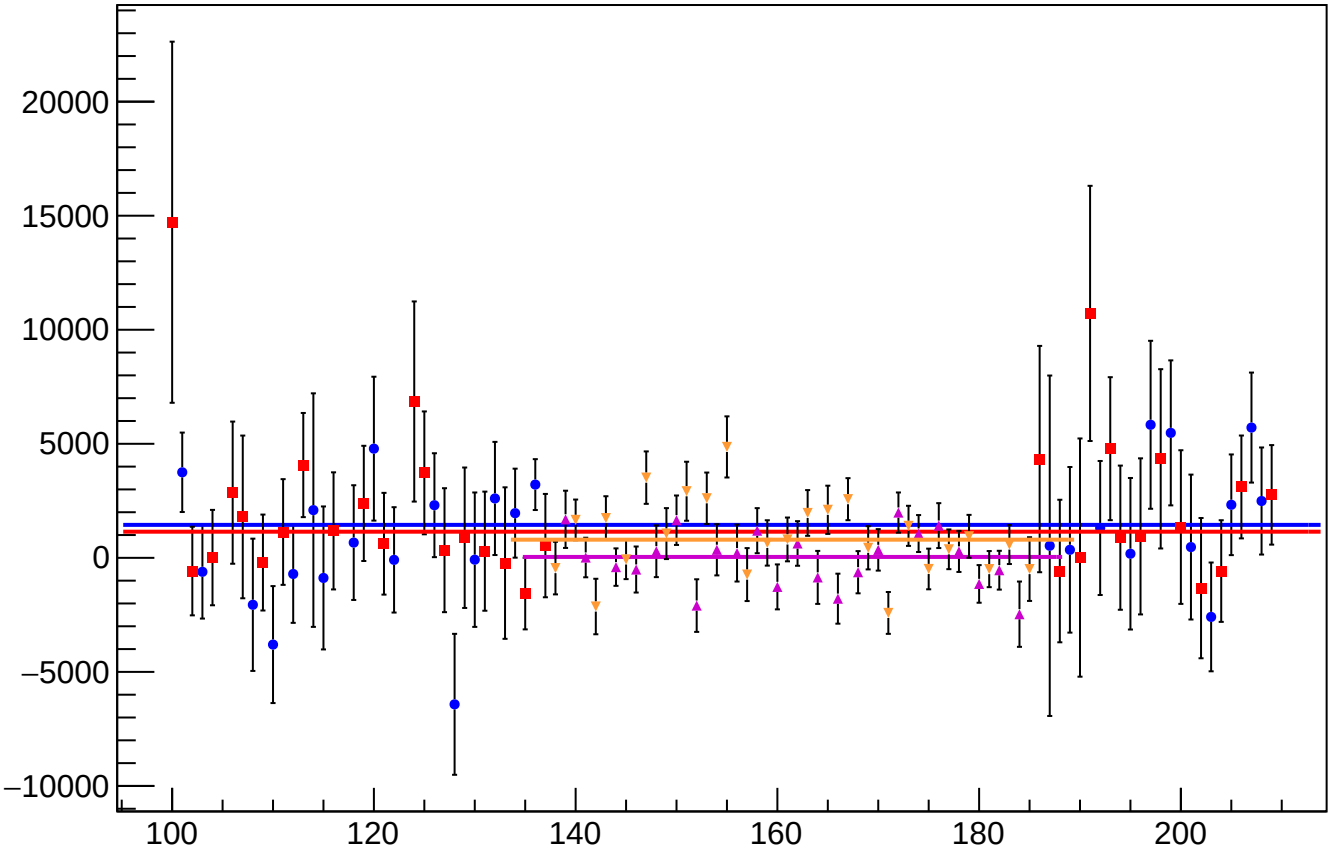
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1006.524+/-0.130 χ^2/NDF: 10137978.8/51

All: 1020.092+/-0.093 χ^2/NDF: 21661419.7/1

- sign 1034.512+/-0.134 χ^2/NDF: 11501016.8/54

asym_sam_24_68_dd_mean vs Slug



Right In: 1445.488+/-466.665 χ^2/NDF: 31.1/26

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1146.776+/-474.602 χ^2/NDF: 21.0/31

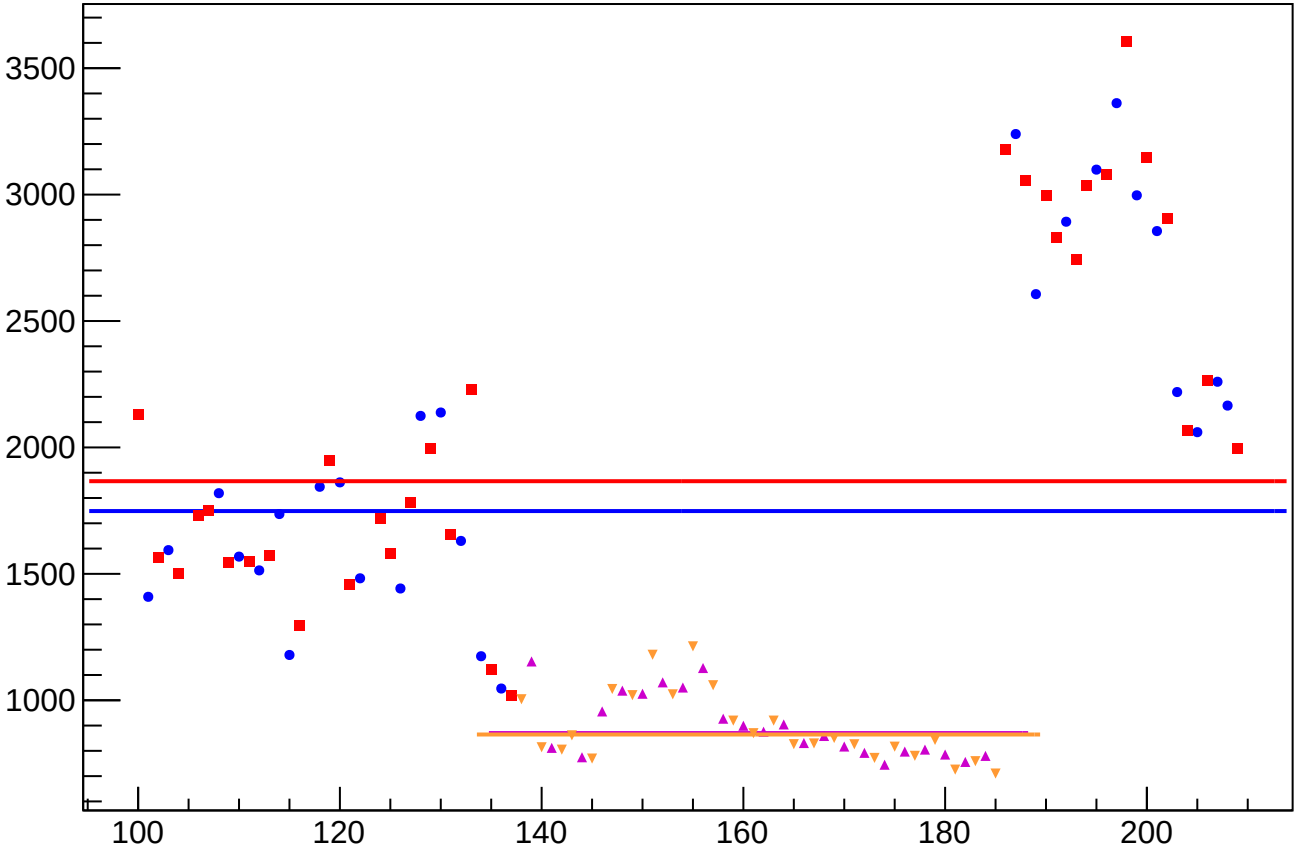
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 896.007+/-182.897 χ^2/NDF: 89.9/51

All: 565.377+/-131.252 χ^2/NDF: 151.9/106

- sign 214.312+/-188.465 χ^2/NDF: 55.3/54

asym_sam_24_68_dd_rms vs Slug



Right In: 1748.369+/-0.330 χ^2/NDF: 3323512.5/26

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

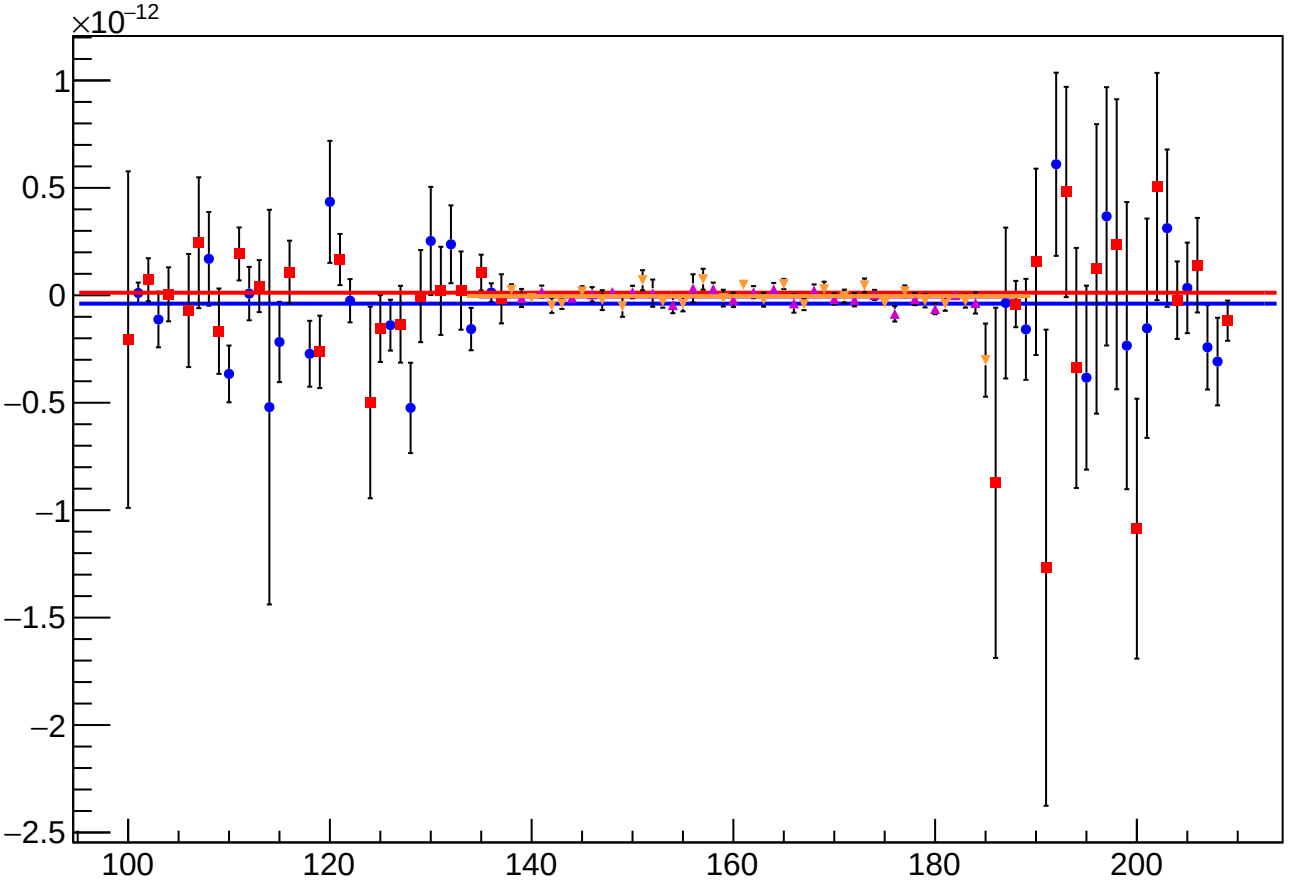
Right Out: 1866.490+/-0.336 χ^2/NDF: 3461323.6/31

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1000.382+/-0.129 χ^2/NDF: 10083098.3/51

All: 1013.499+/-0.093 χ^2/NDF: 21591576.2/1

- sign 1027.427+/-0.133 χ^2/NDF: 11487268.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

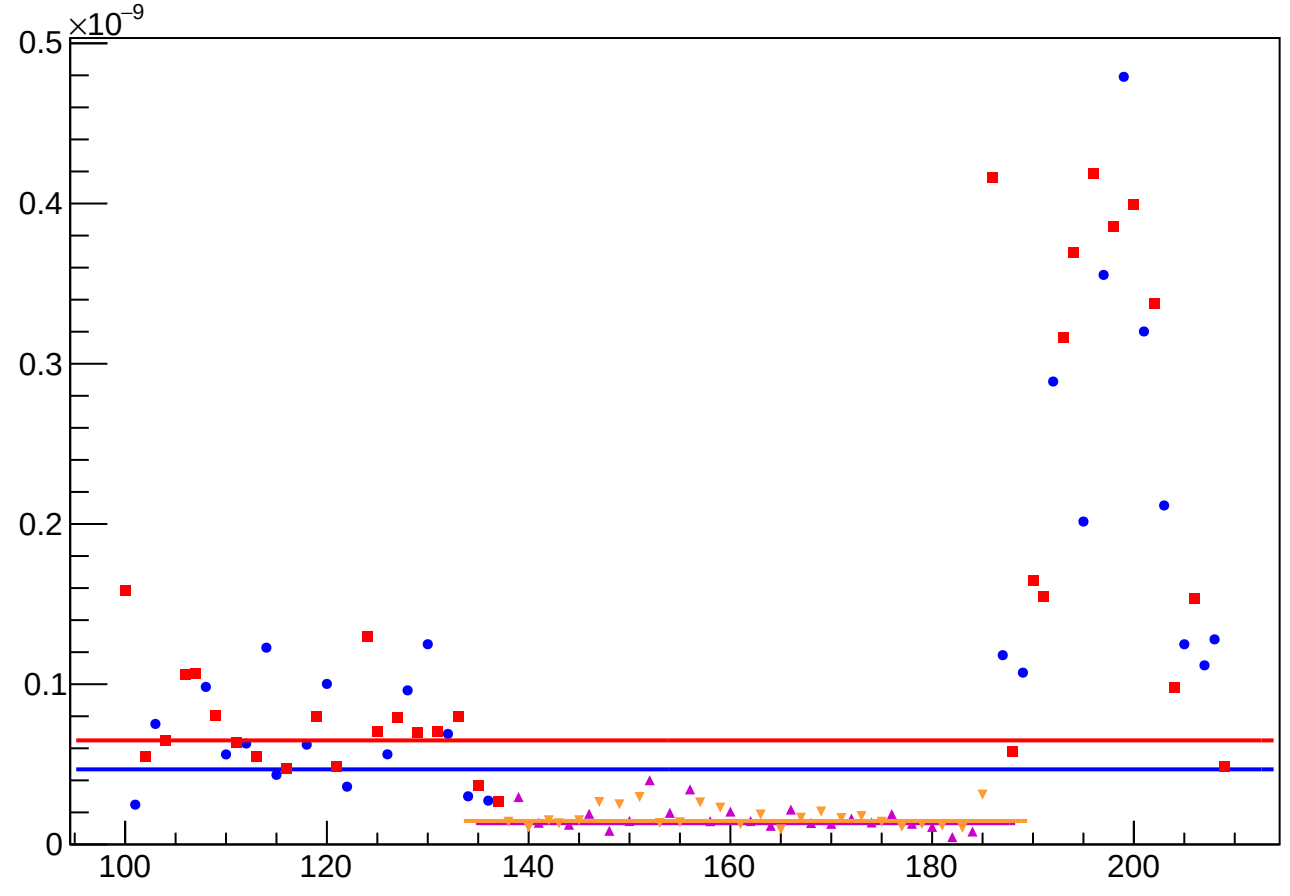
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/31

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.8/51

All: -0.000+/-0.000 χ^2/NDF: 121.0/106

- sign -0.000+/-0.000 χ^2/NDF: 45.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 5876785.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4988185.2/31

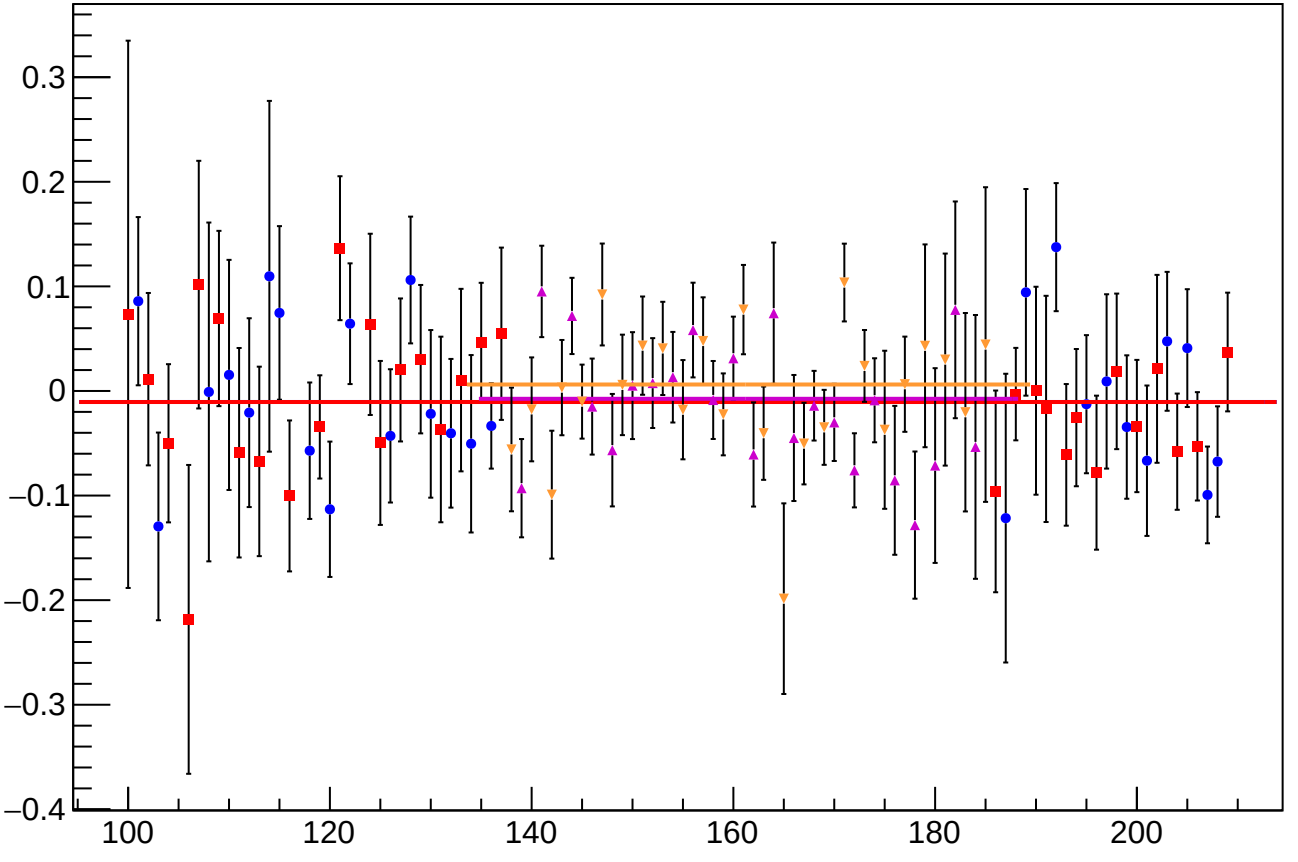
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10309906.0/51

All: 0.000+/-0.000 χ^2/NDF: 23223697.8/106

- sign 0.000+/-0.000 χ^2/NDF: 12870671.5/54

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

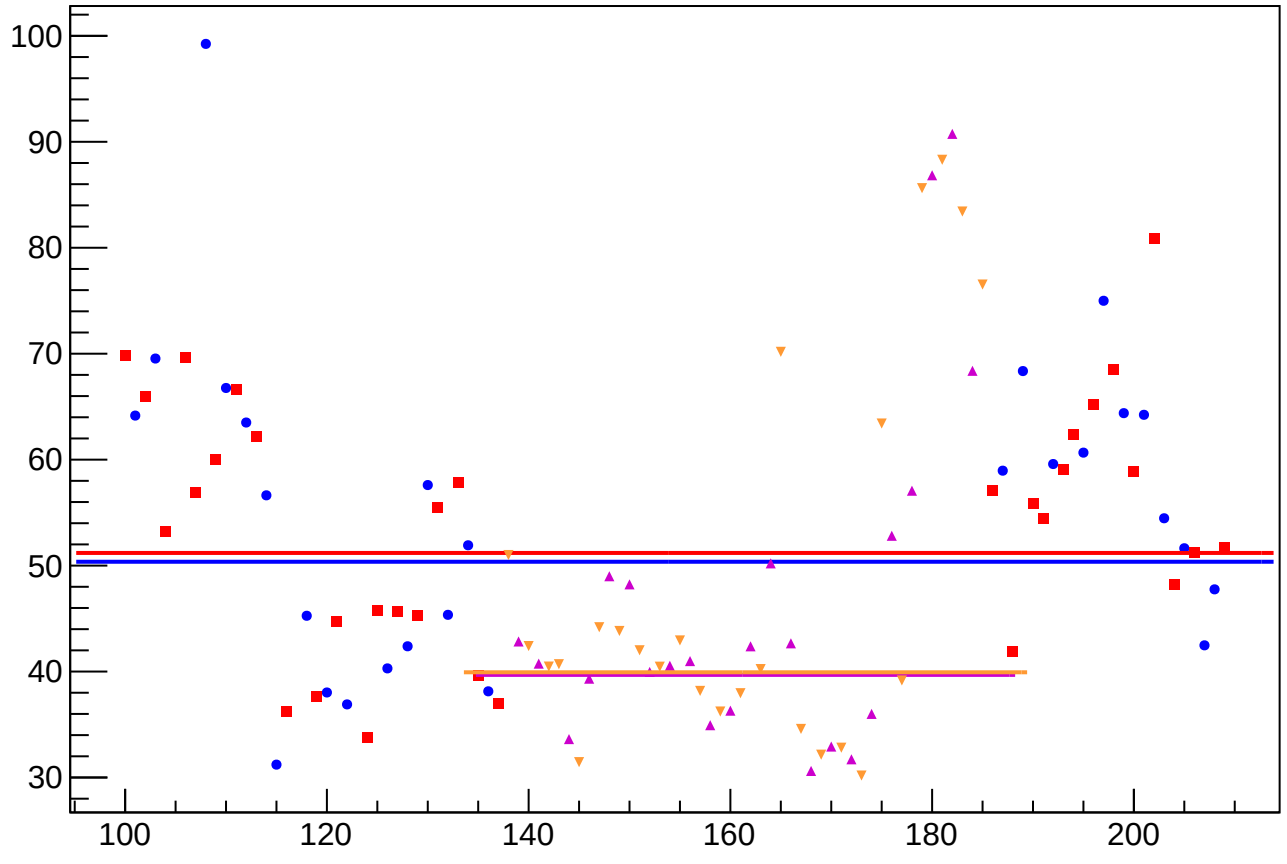
Right Out: -0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.005 χ^2/NDF: 111.4/106

- sign -0.009+/-0.008 χ^2/NDF: 49.8/54



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

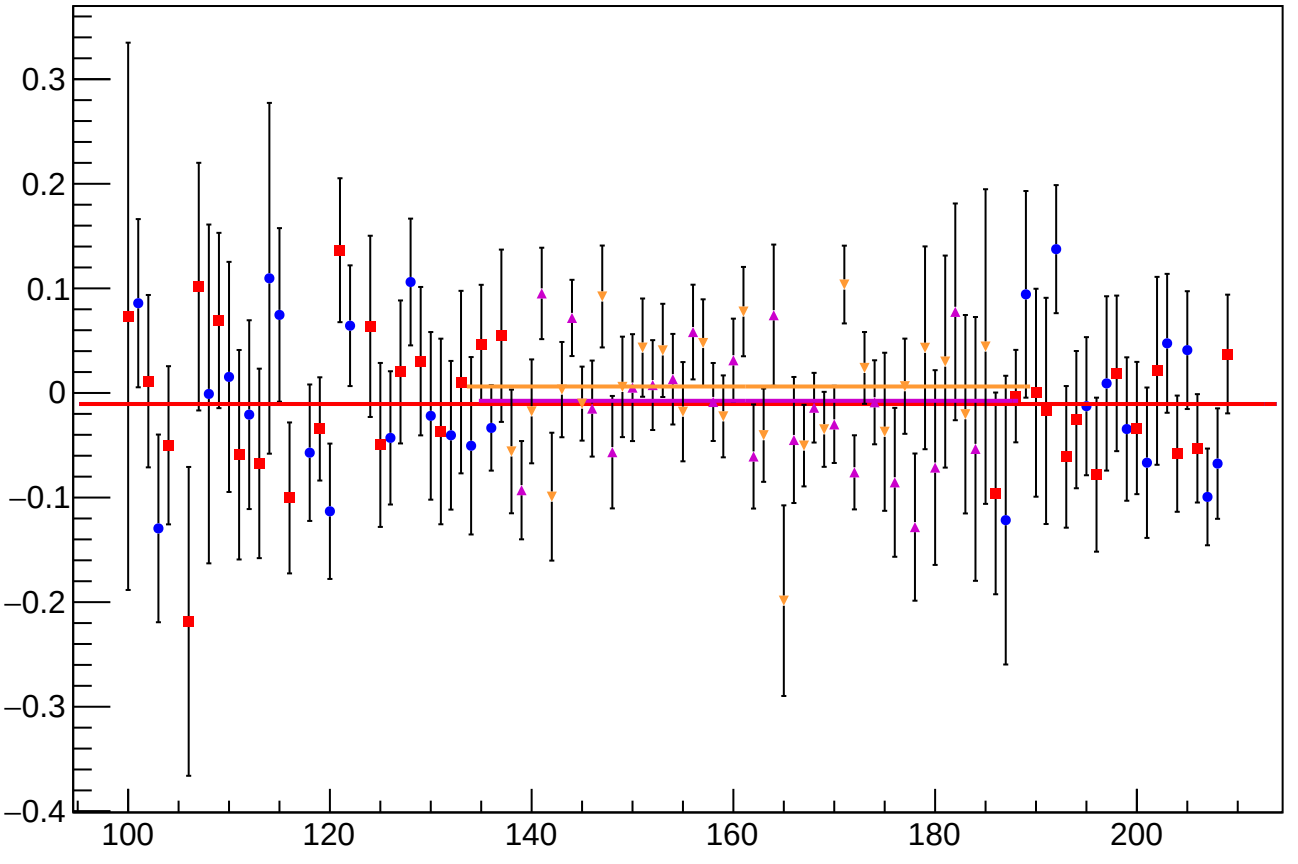
Right Out: 51.195+/-0.009 χ^2/NDF: 1361338.9/31

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872877.1/51

All: 43.698+/-0.004 χ^2/NDF: 9169303.3/106

- sign 43.905+/-0.006 χ^2/NDF: 4293606.6/54



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

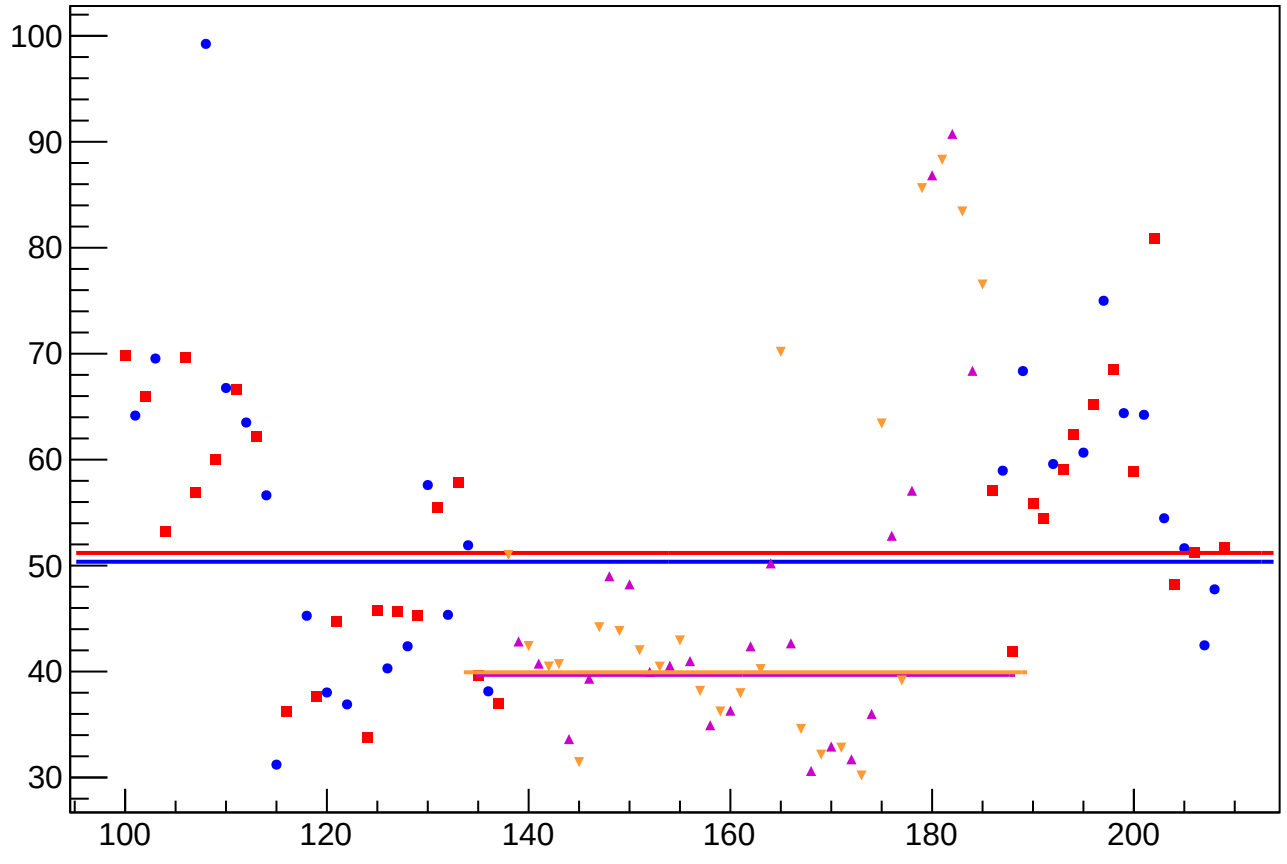
Right Out: -0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.005 χ^2/NDF: 111.4/106

- sign -0.009+/-0.008 χ^2/NDF: 49.8/54



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

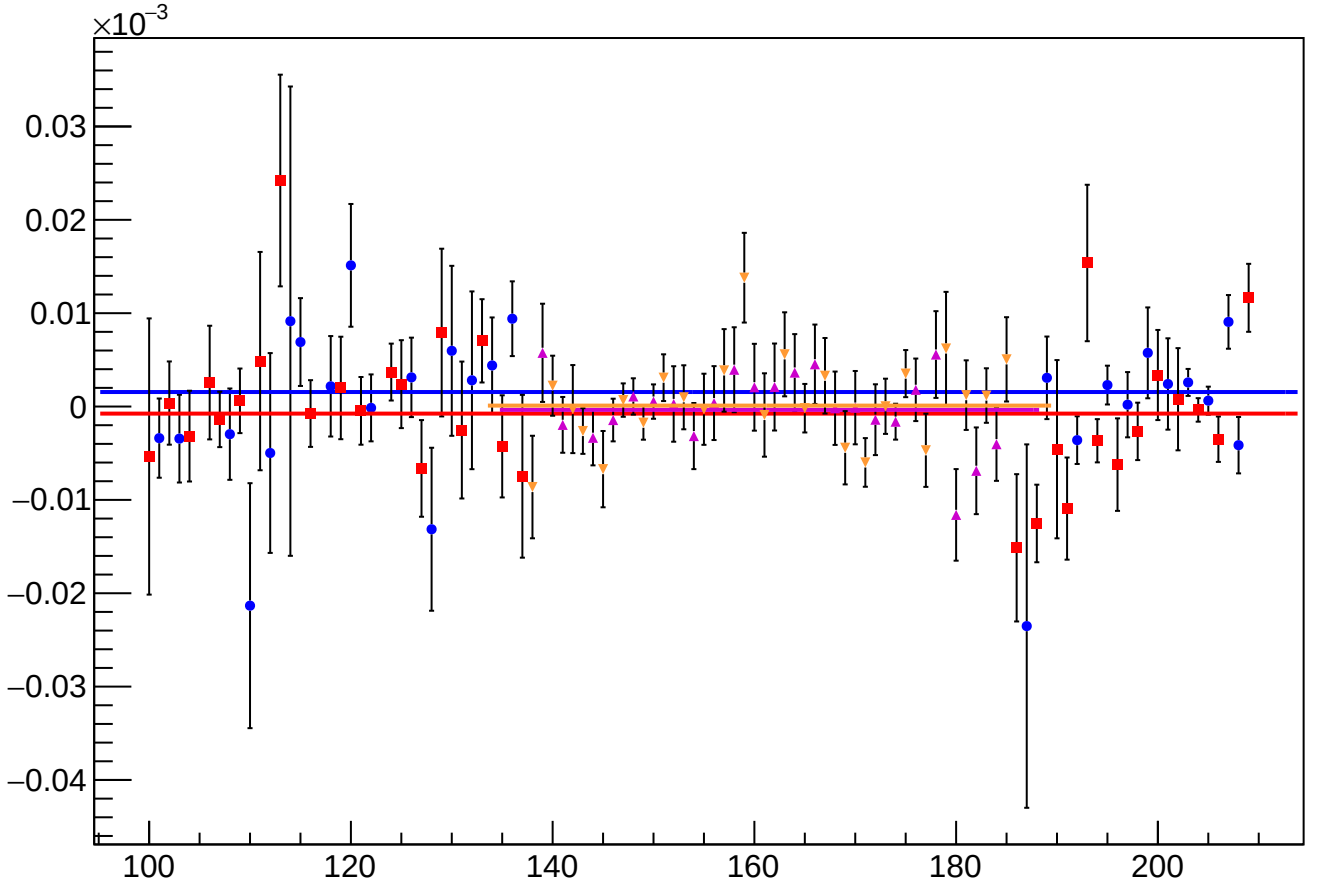
Right Out: 51.195+/-0.009 χ^2/NDF: 1361338.9/31

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872877.1/51

All: 43.698+/-0.004 χ^2/NDF: 9169303.3/106

- sign 43.905+/-0.006 χ^2/NDF: 4293606.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

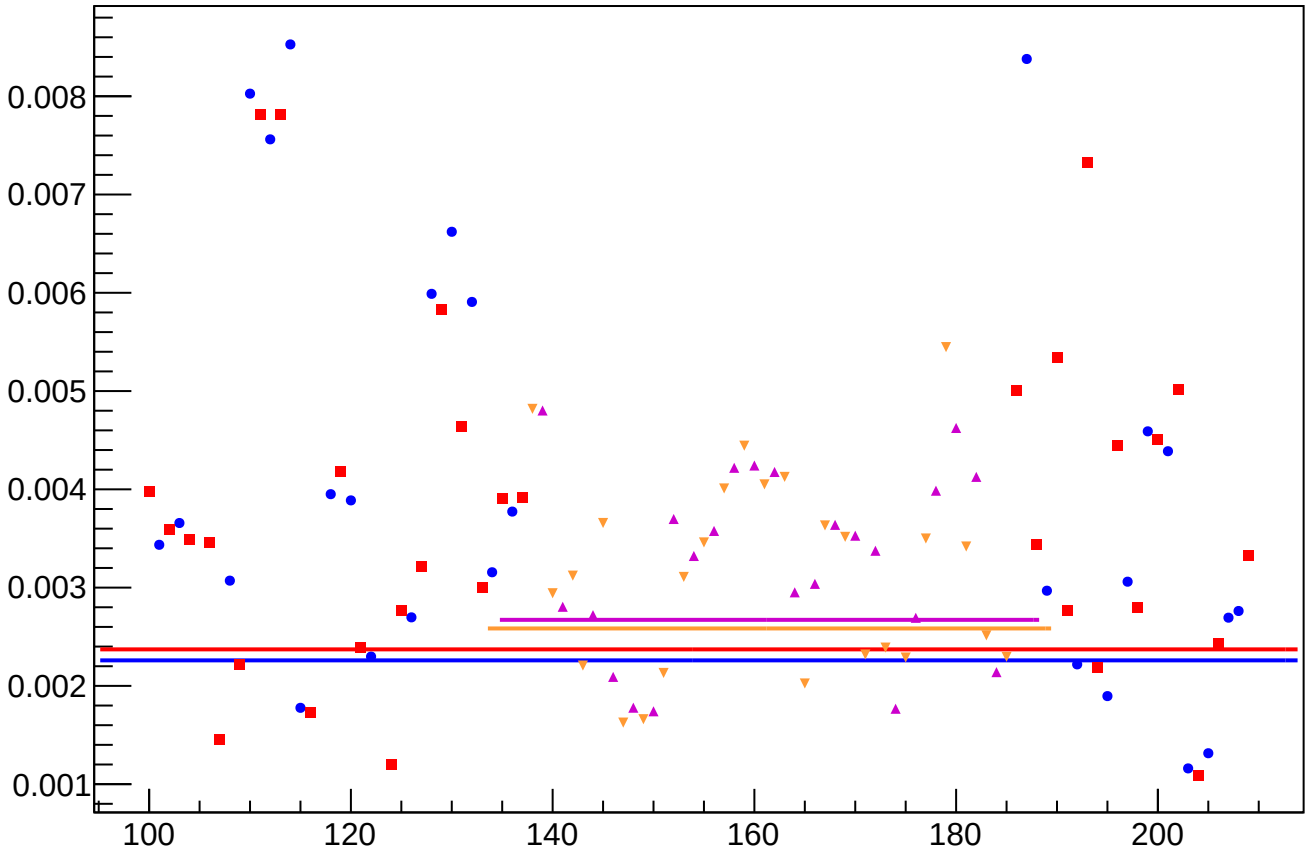
Right Out: -0.000+/-0.000 χ^2/NDF: 50.8/31

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.9/51

All: 0.000+/-0.000 χ^2/NDF: 147.8/106

- sign -0.000+/-0.000 χ^2/NDF: 69.7/54



Right In: 0.002+/-0.000 χ^2/NDF: 6518265.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

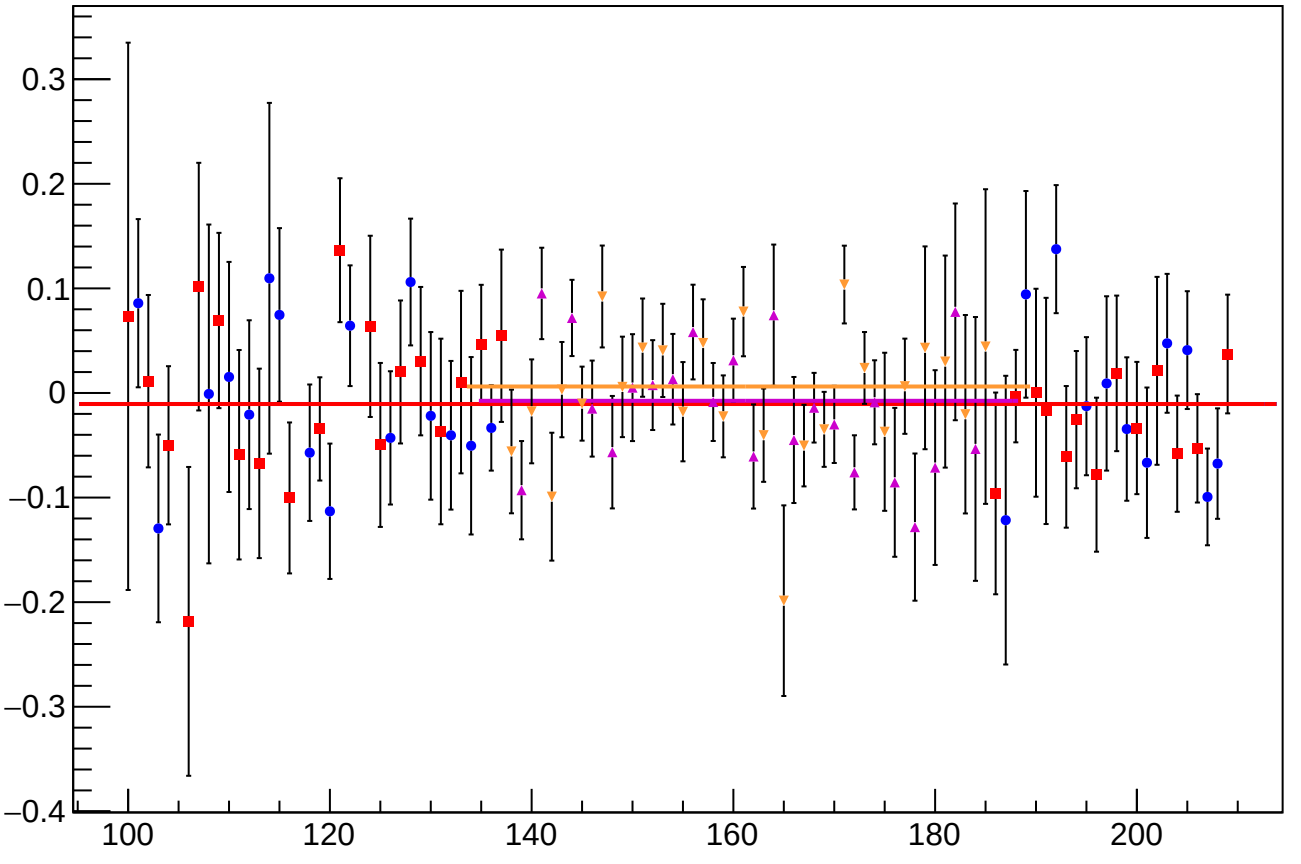
Right Out: 0.002+/-0.000 χ^2/NDF: 7572680.0/31

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 10665297.2/51

All: 0.002+/-0.000 χ^2/NDF: 22304187.8/106

- sign 0.003+/-0.000 χ^2/NDF: 11601067.2/54



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

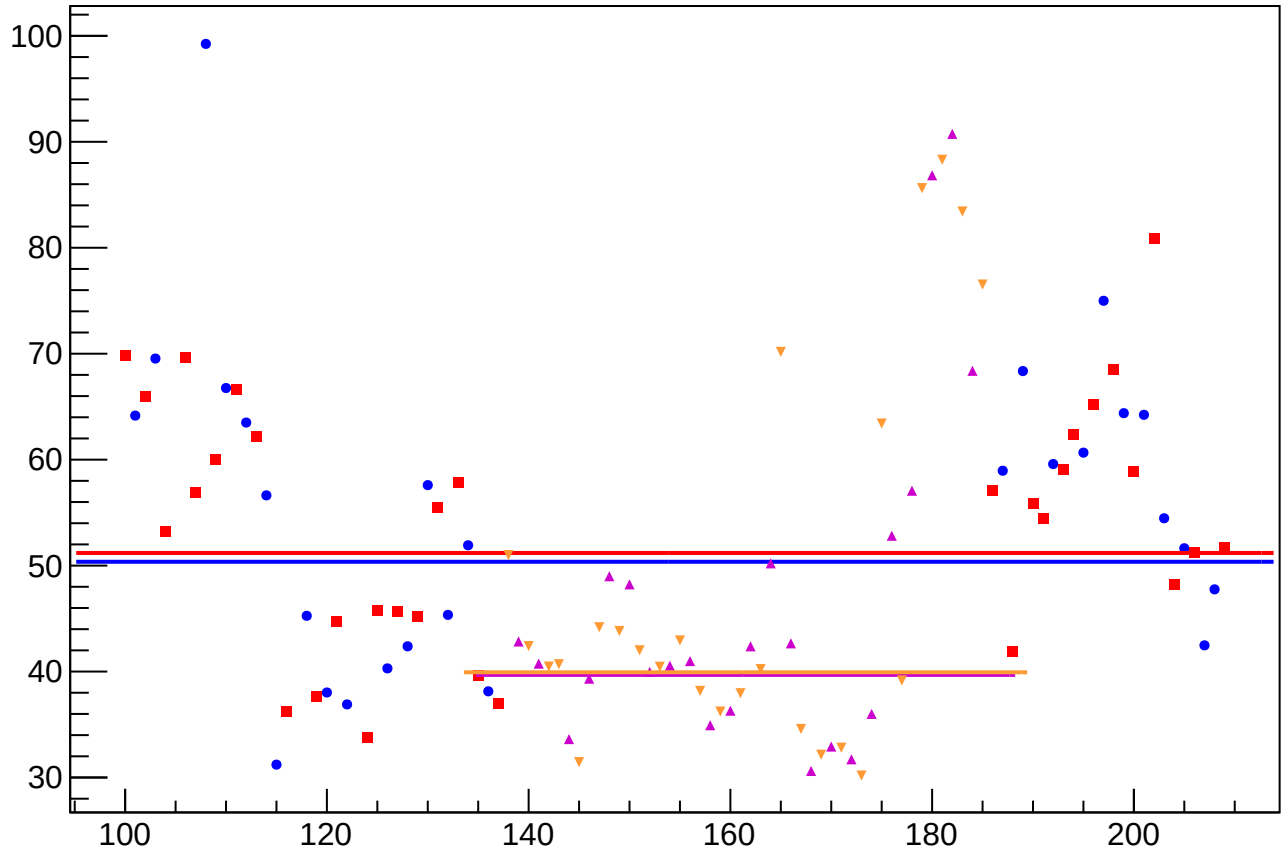
Right Out: -0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.005 χ^2/NDF: 111.4/106

- sign -0.009+/-0.008 χ^2/NDF: 49.8/54



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

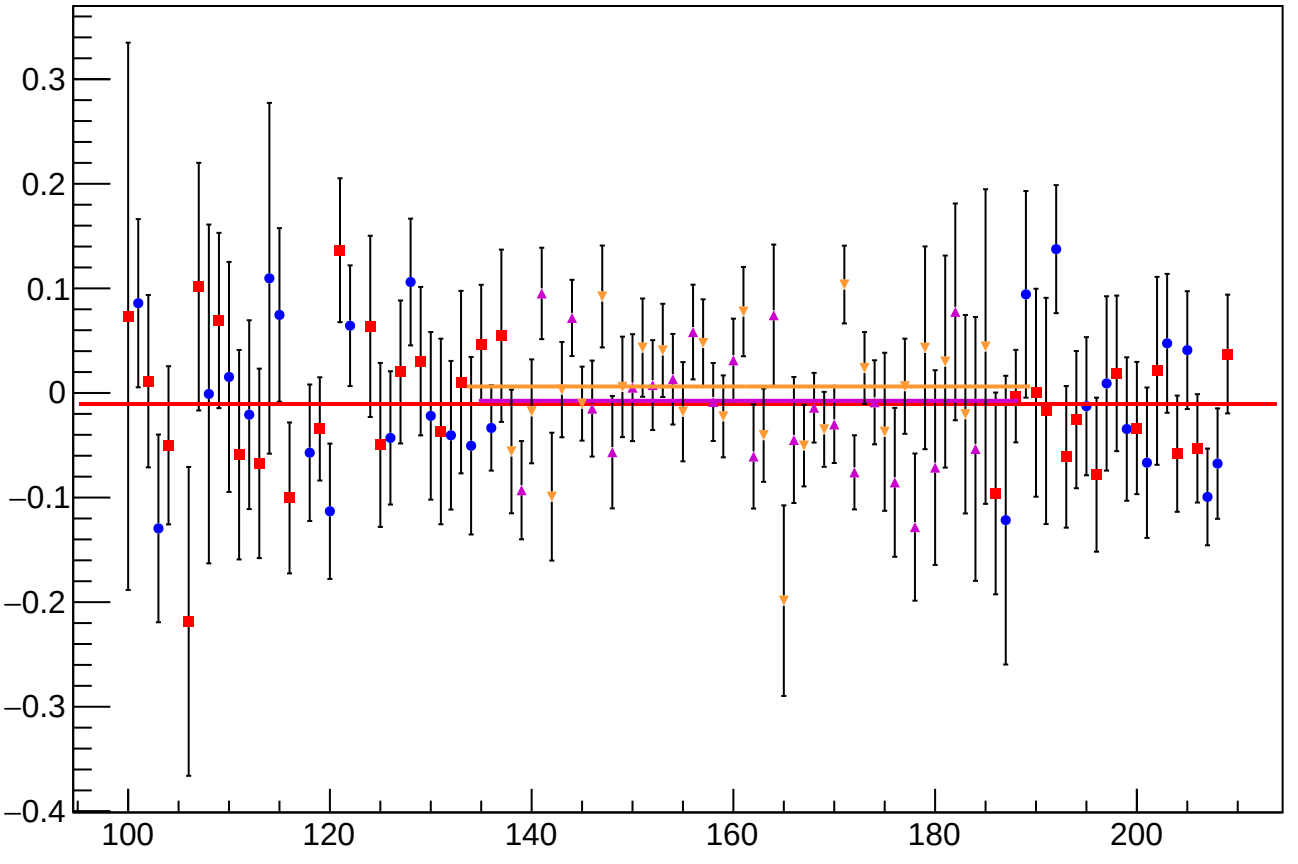
Right Out: 51.194+/-0.009 χ^2/NDF: 1361374.6/31

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872794.2/51

All: 43.698+/-0.004 χ^2/NDF: 9169225.9/106

- sign 43.904+/-0.006 χ^2/NDF: 4293613.5/54



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

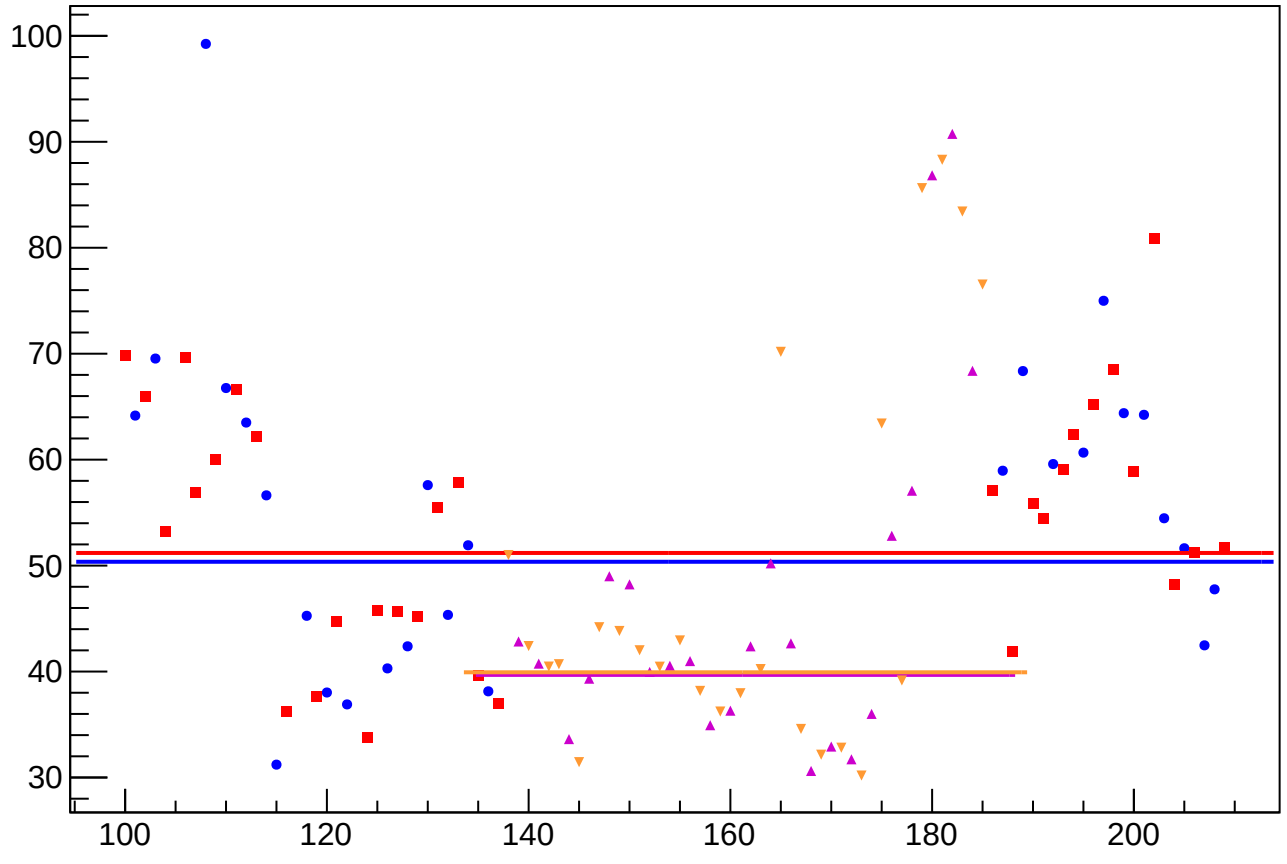
Right Out: -0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 61.0/51

All: -0.004+/-0.005 χ^2/NDF: 111.4/106

- sign -0.009+/-0.008 χ^2/NDF: 49.8/54



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

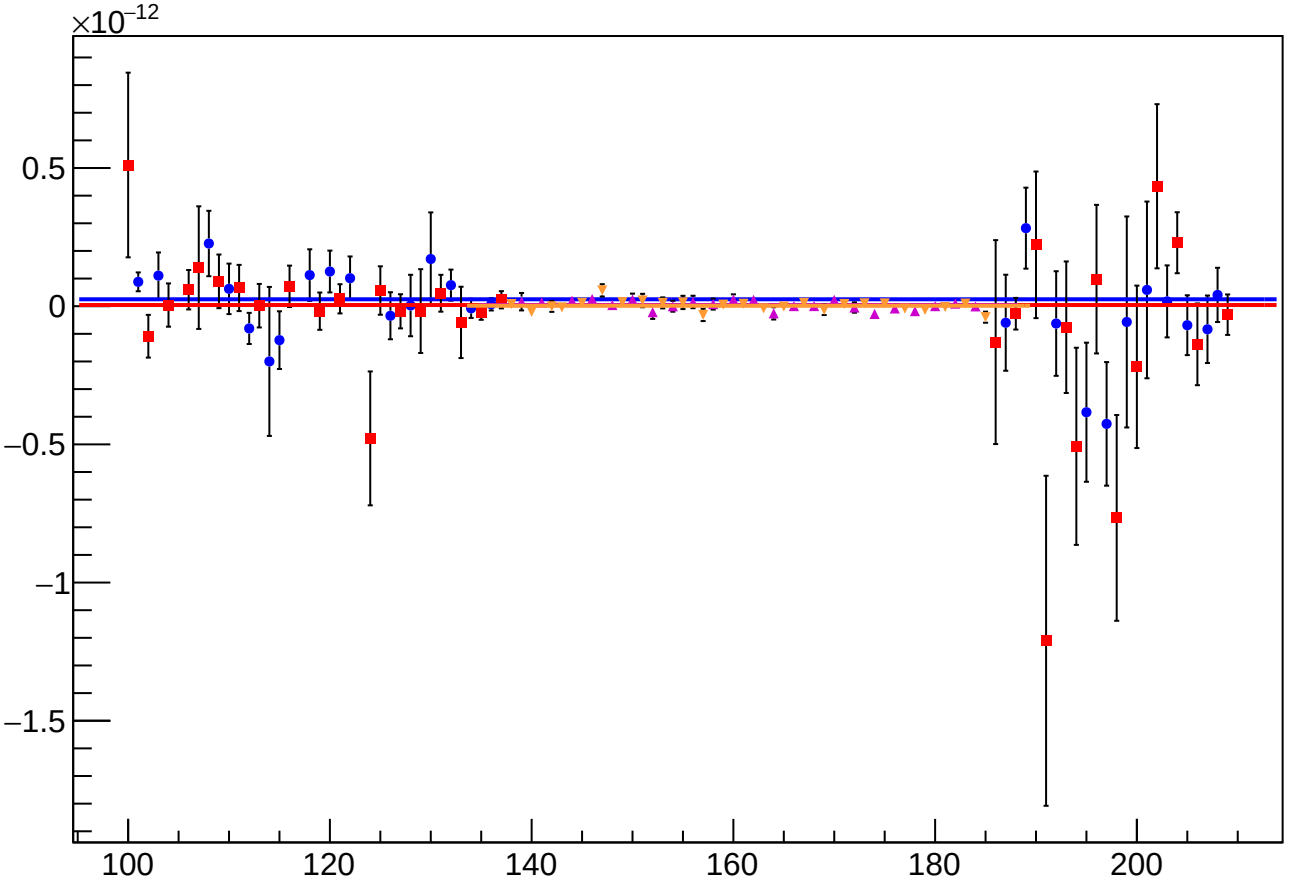
Right Out: 51.194+/-0.009 χ^2/NDF: 1361374.6/31

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.492+/-0.005 χ^2/NDF: 4872794.2/51

All: 43.698+/-0.004 χ^2/NDF: 9169225.9/106

- sign 43.904+/-0.006 χ^2/NDF: 4293613.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

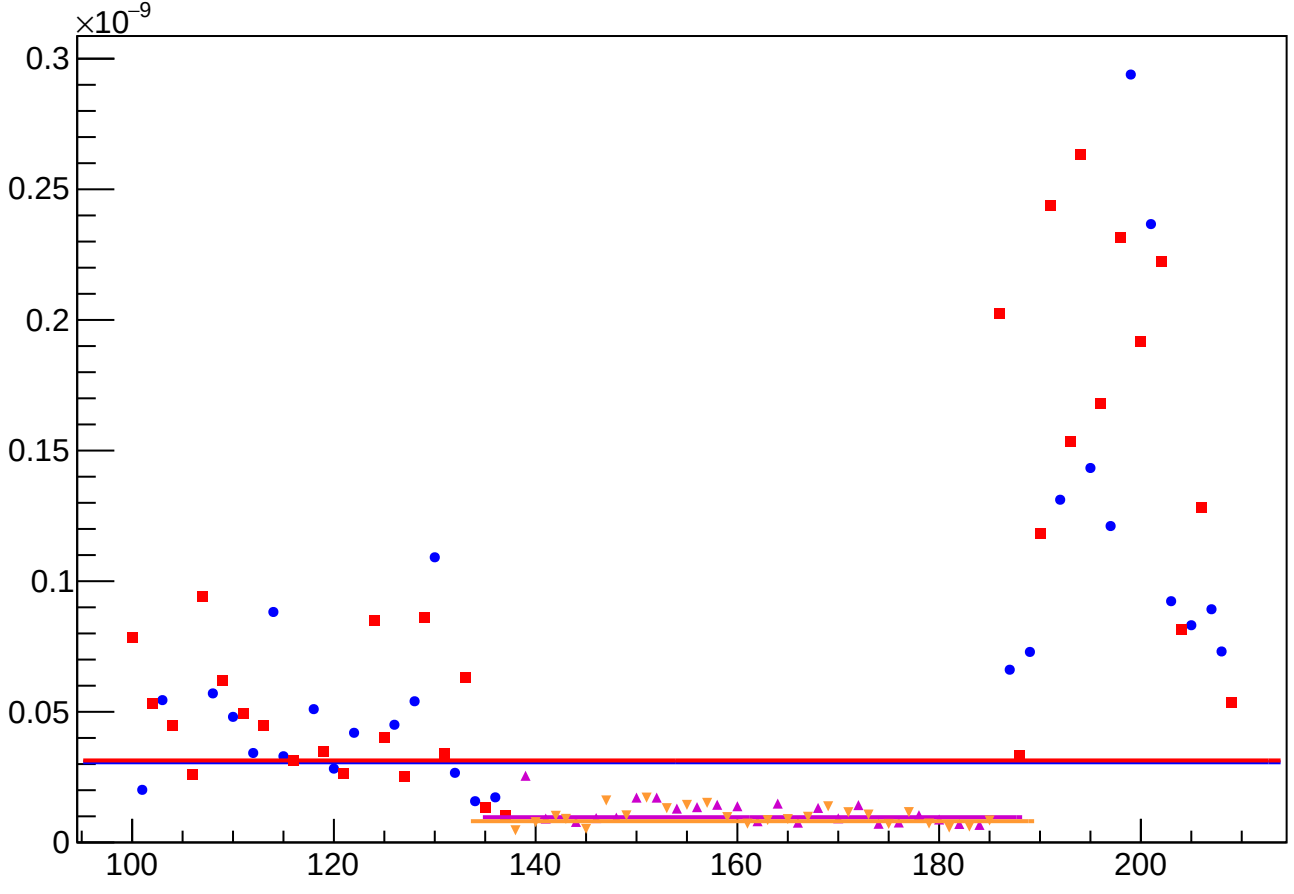
Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/31

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/51

All: 0.000+/-0.000 χ^2/NDF: 125.7/106

- sign 0.000+/-0.000 χ^2/NDF: 61.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 7516956.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9347508.1/31

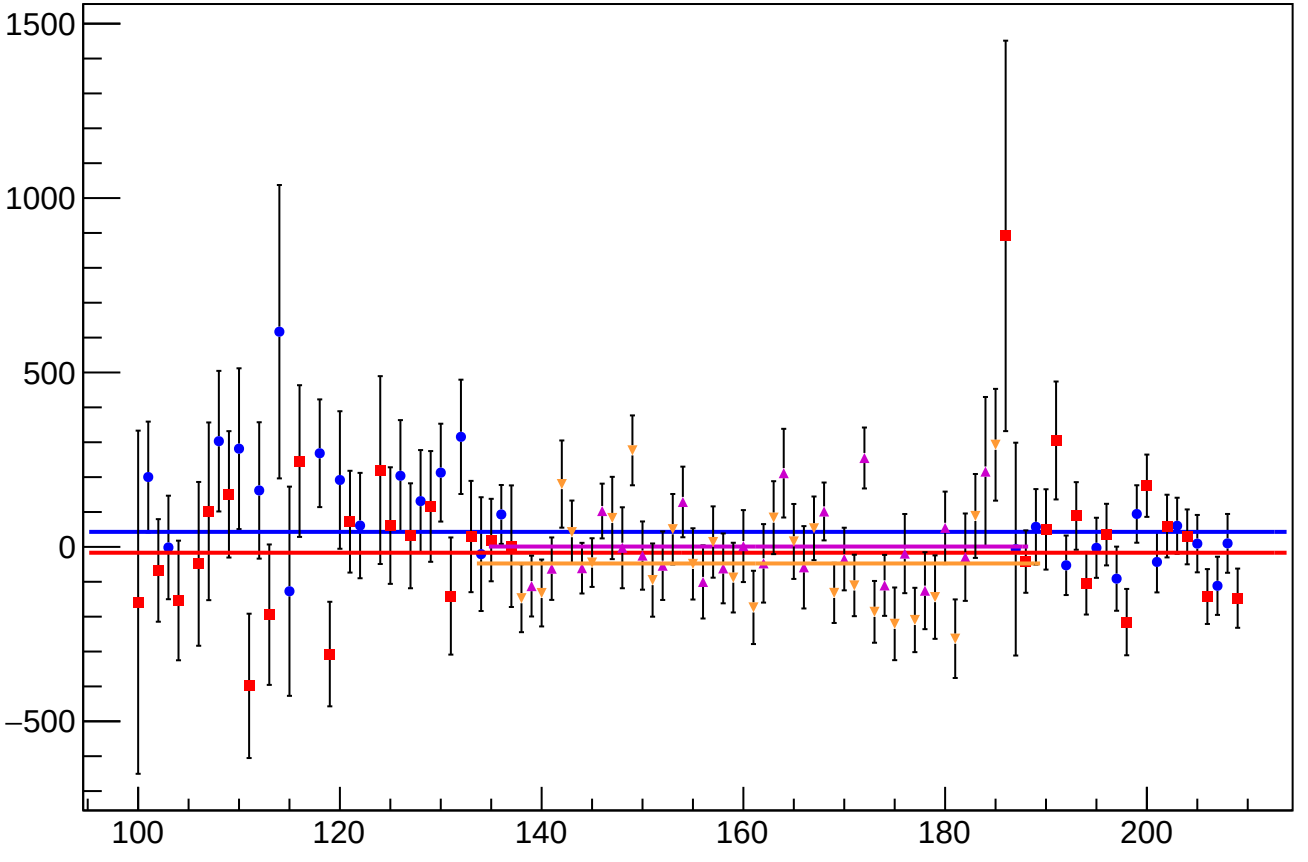
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15686949.9/51

All: 0.000+/-0.000 χ^2/NDF: 32534771.9/106

- sign 0.000+/-0.000 χ^2/NDF: 16455581.7/54

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 43.082+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -16.739+/-22.134 χ^2/NDF: 38.4/31

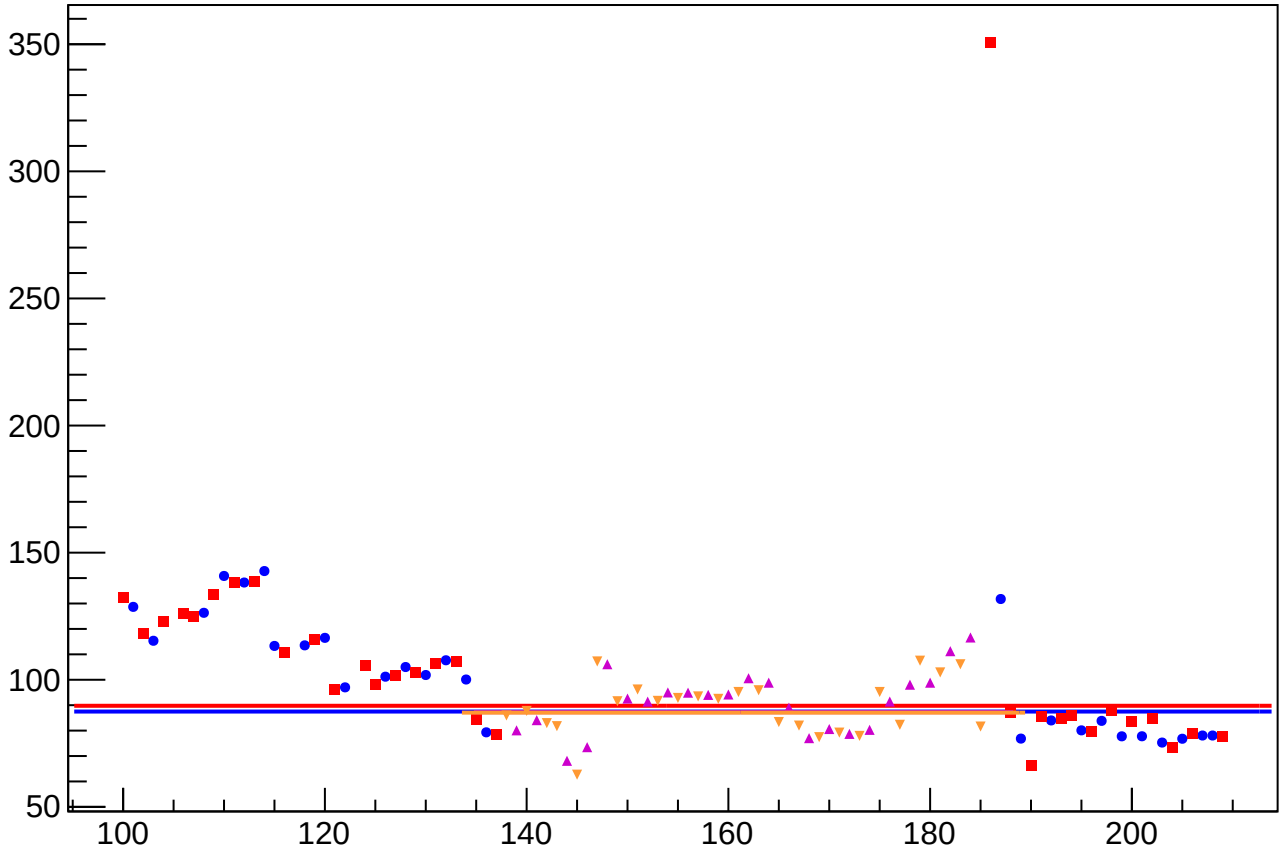
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.439+/-14.922 χ^2/NDF: 77.1/51

All: -7.342+/-10.607 χ^2/NDF: 141.3/106

- sign -7.243+/-15.081 χ^2/NDF: 64.2/54

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497+/-0.016 χ^2/NDF: 1069895.7/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

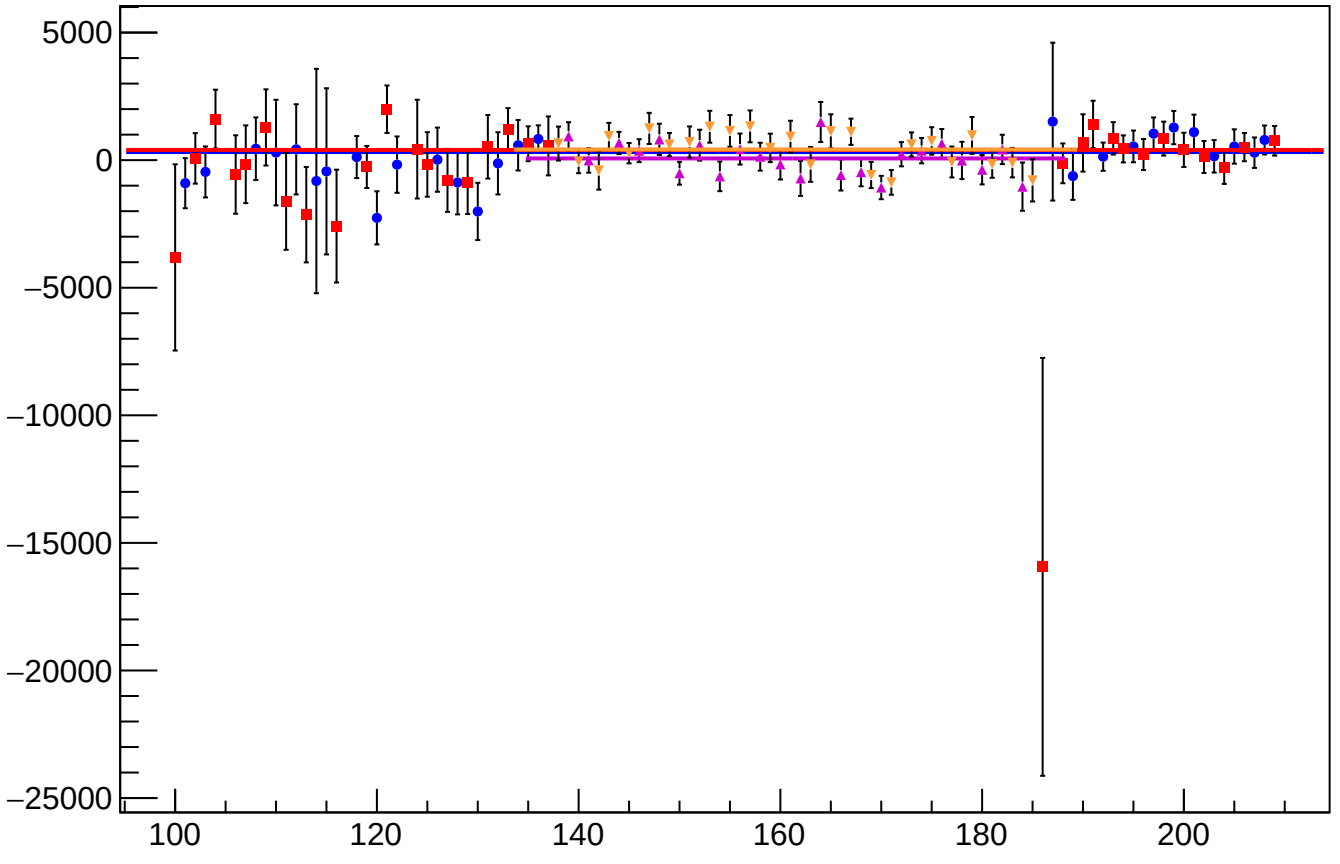
Right Out: 89.767+/-0.016 χ^2/NDF: 1516108.1/31

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.260+/-0.011 χ^2/NDF: 1690923.7/51

All: 87.835+/-0.008 χ^2/NDF: 3822615.1/106

- sign 88.422+/-0.011 χ^2/NDF: 2125689.9/54



Right In: 318.001+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 399.802+/-154.883 χ^2/NDF: 23.5/31

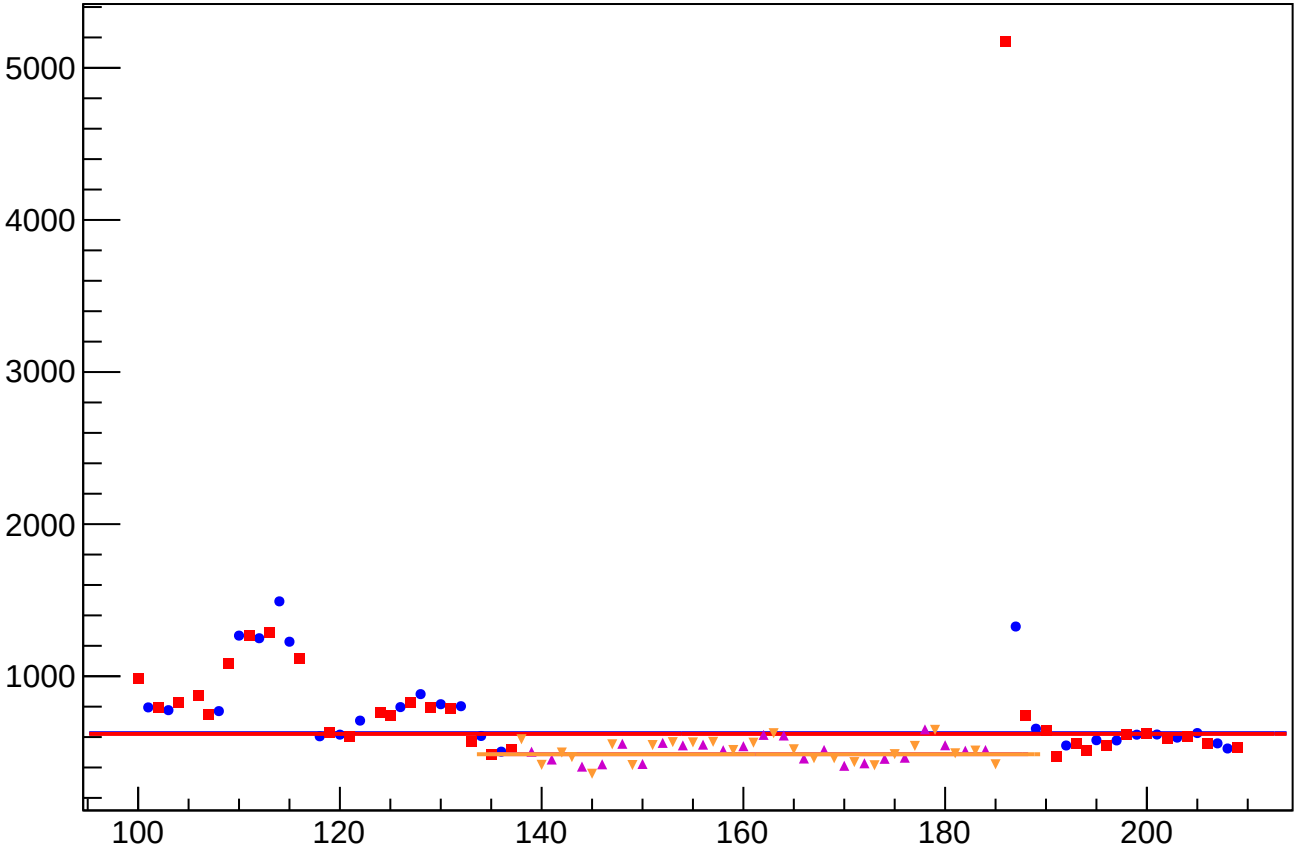
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 384.229+/-92.149 χ^2/NDF: 54.8/51

All: 285.352+/-65.300 χ^2/NDF: 111.1/106

- sign 185.618+/-92.548 χ^2/NDF: 54.0/54

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 625.482+/-0.114 χ^2/NDF: 1321474.6/26

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 620.817+/-0.110 χ^2/NDF: 2201831.2/31

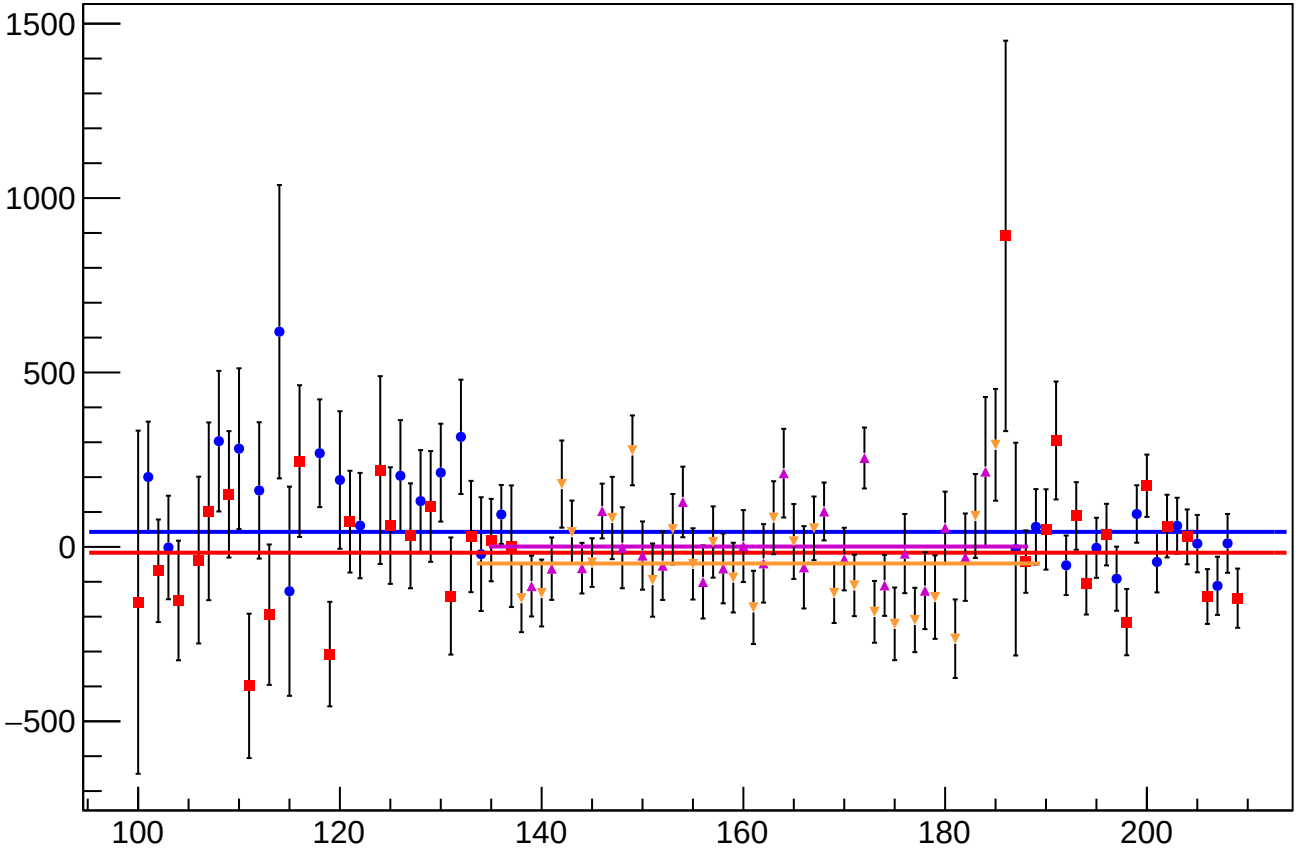
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 532.353+/-0.065 χ^2/NDF: 3135787.3/51

All: 533.859+/-0.046 χ^2/NDF: 6919564.1/106

- sign 535.377+/-0.065 χ^2/NDF: 3782704.6/54

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -16.658+/-22.138 χ^2/NDF: 38.3/31

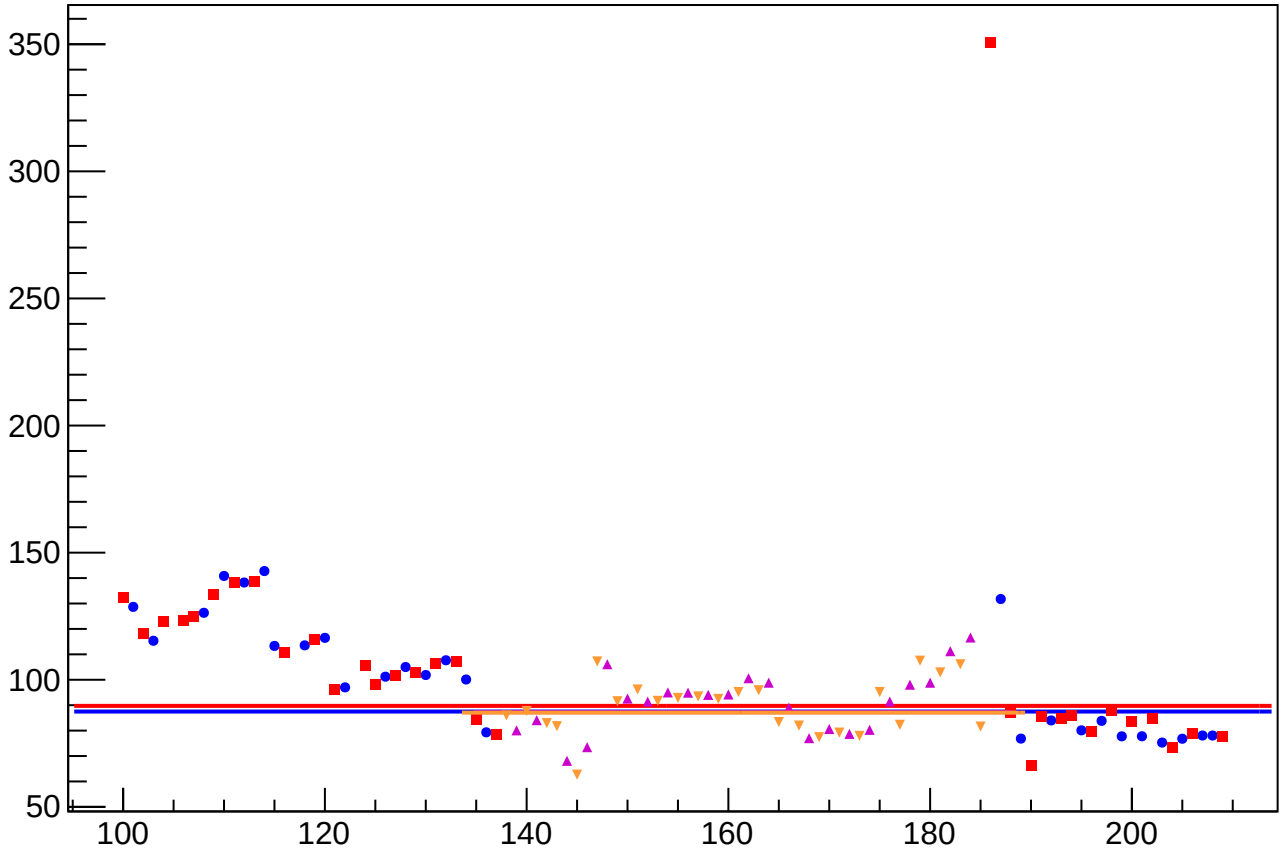
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.447+/-14.922 χ^2/NDF: 77.1/51

All: -7.326+/-10.607 χ^2/NDF: 141.3/106

- sign -7.202+/-15.082 χ^2/NDF: 64.2/54

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

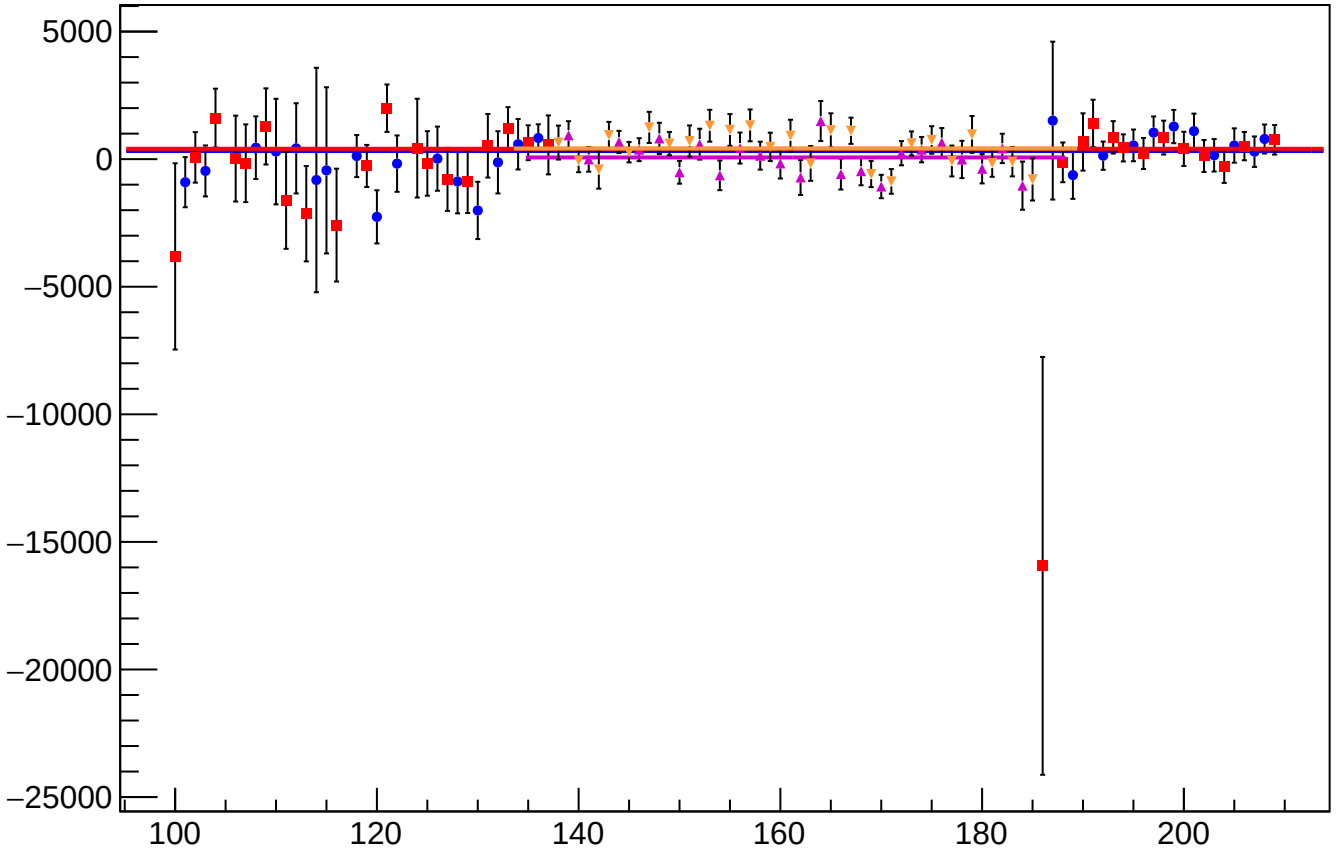
Right Out: 89.732+/-0.016 χ^2/NDF: 1507611.0/31

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.260+/-0.011 χ^2/NDF: 1690924.1/51

All: 87.827+/-0.008 χ^2/NDF: 3813556.8/106

- sign 88.406+/-0.011 χ^2/NDF: 2116802.9/54



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 406.381+/-155.015 χ^2/NDF: 23.2/31

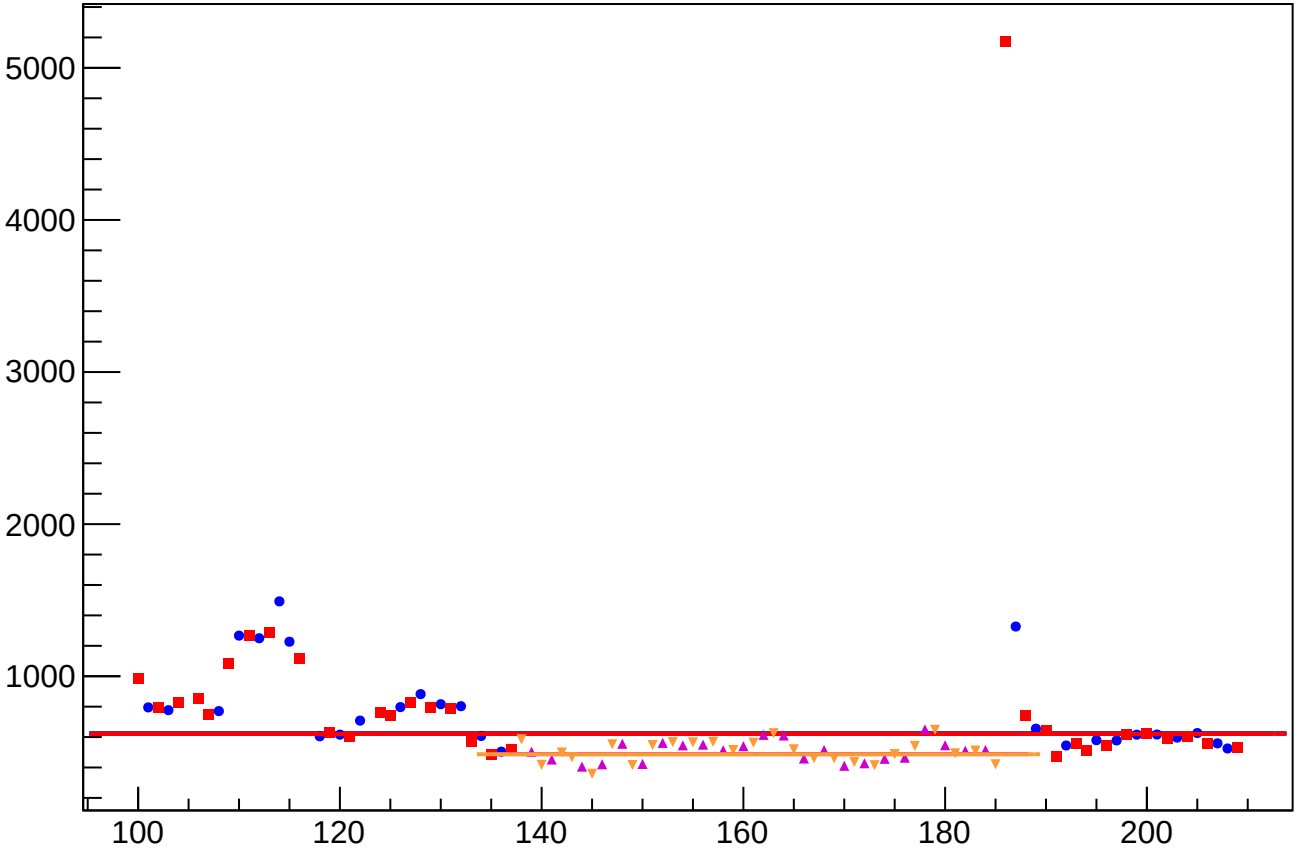
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 384.223+/-92.149 χ^2/NDF: 54.8/51

All: 286.482+/-65.310 χ^2/NDF: 110.8/106

\- sign 187.833+/-92.576 χ^2/NDF: 53.8/54

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 620.224+/-0.110 χ^2/NDF: 2186089.4/31

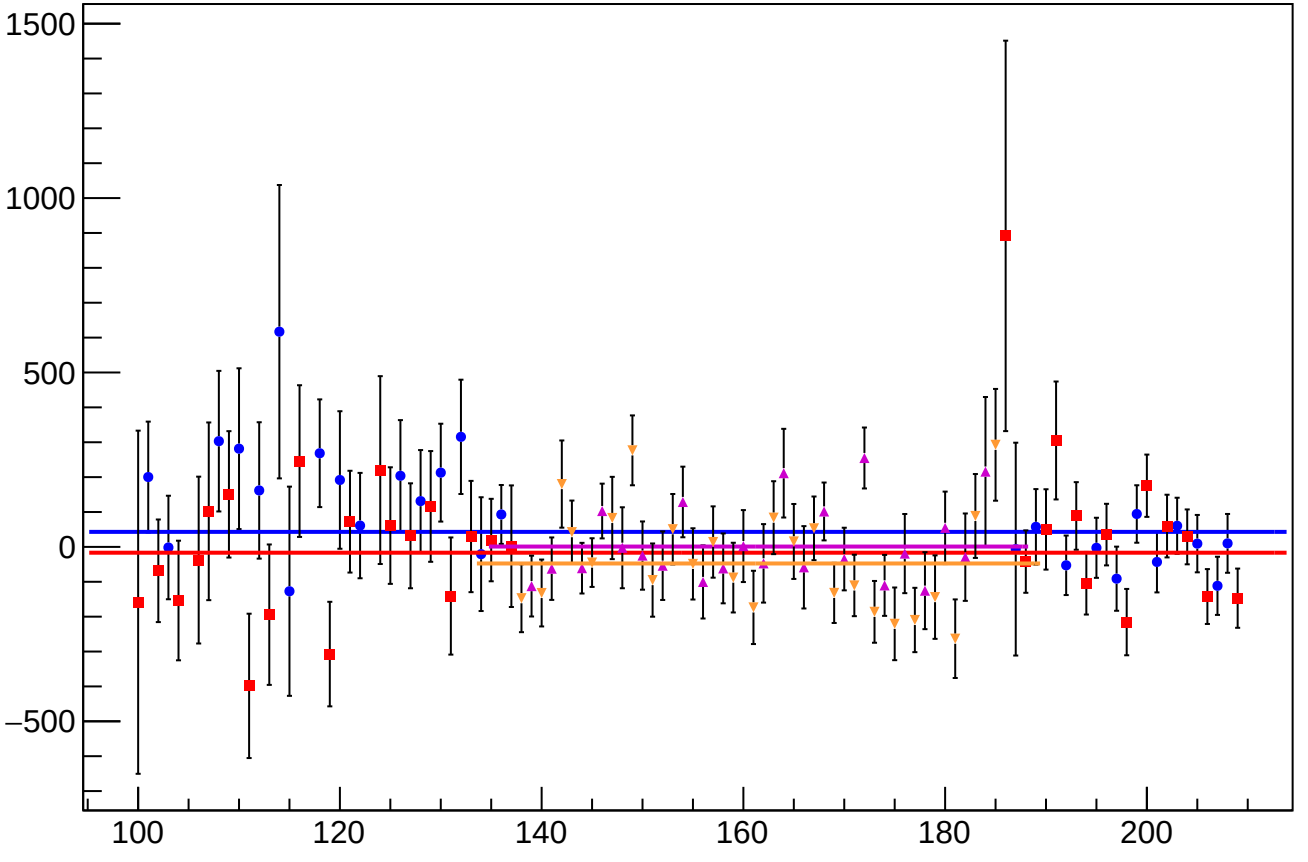
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 532.354+/-0.065 χ^2/NDF: 3135793.1/51

All: 533.727+/-0.046 χ^2/NDF: 6894190.7/106

- sign 535.114+/-0.065 χ^2/NDF: 3757504.6/54

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -16.658+/-22.138 χ^2/NDF: 38.3/31

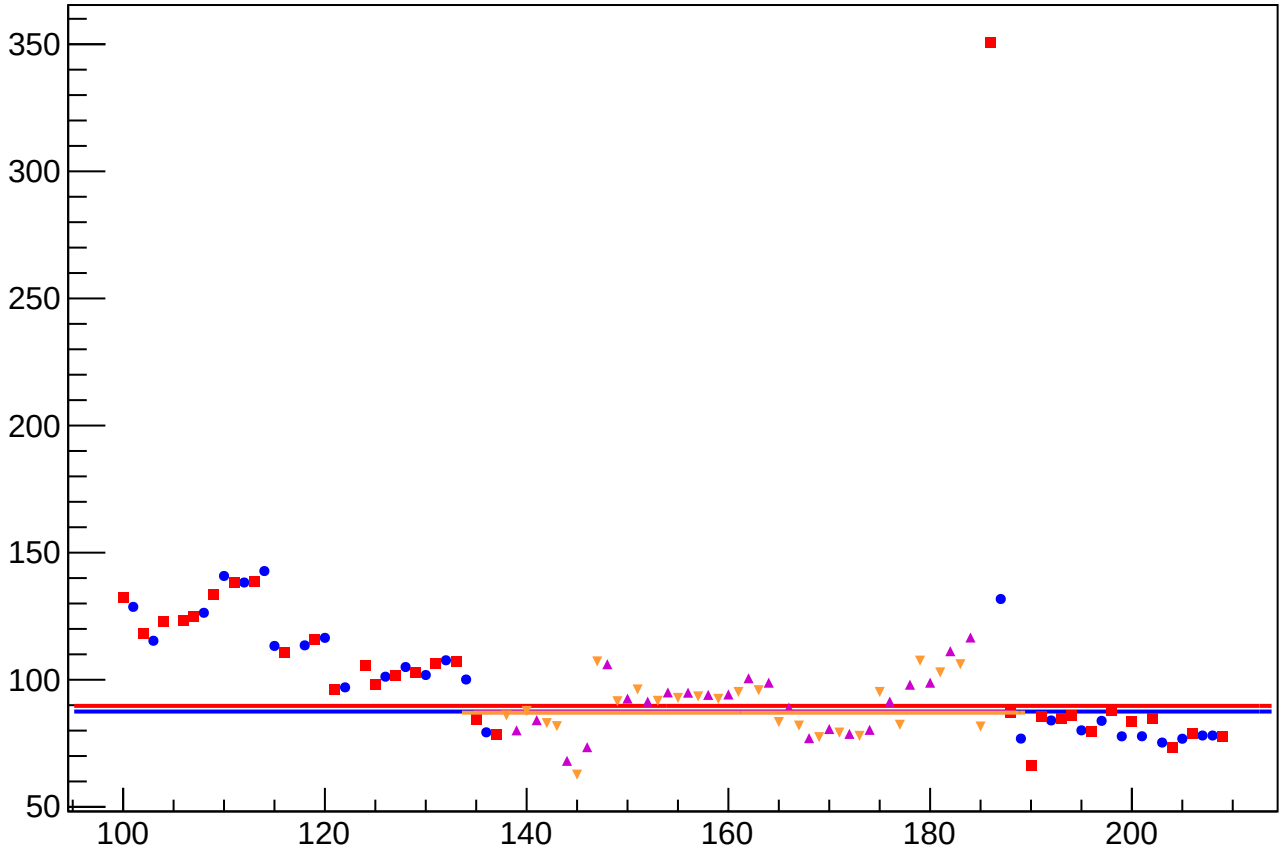
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.447+/-14.922 χ^2/NDF: 77.1/51

All: -7.326+/-10.607 χ^2/NDF: 141.3/106

- sign -7.202+/-15.082 χ^2/NDF: 64.2/54

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

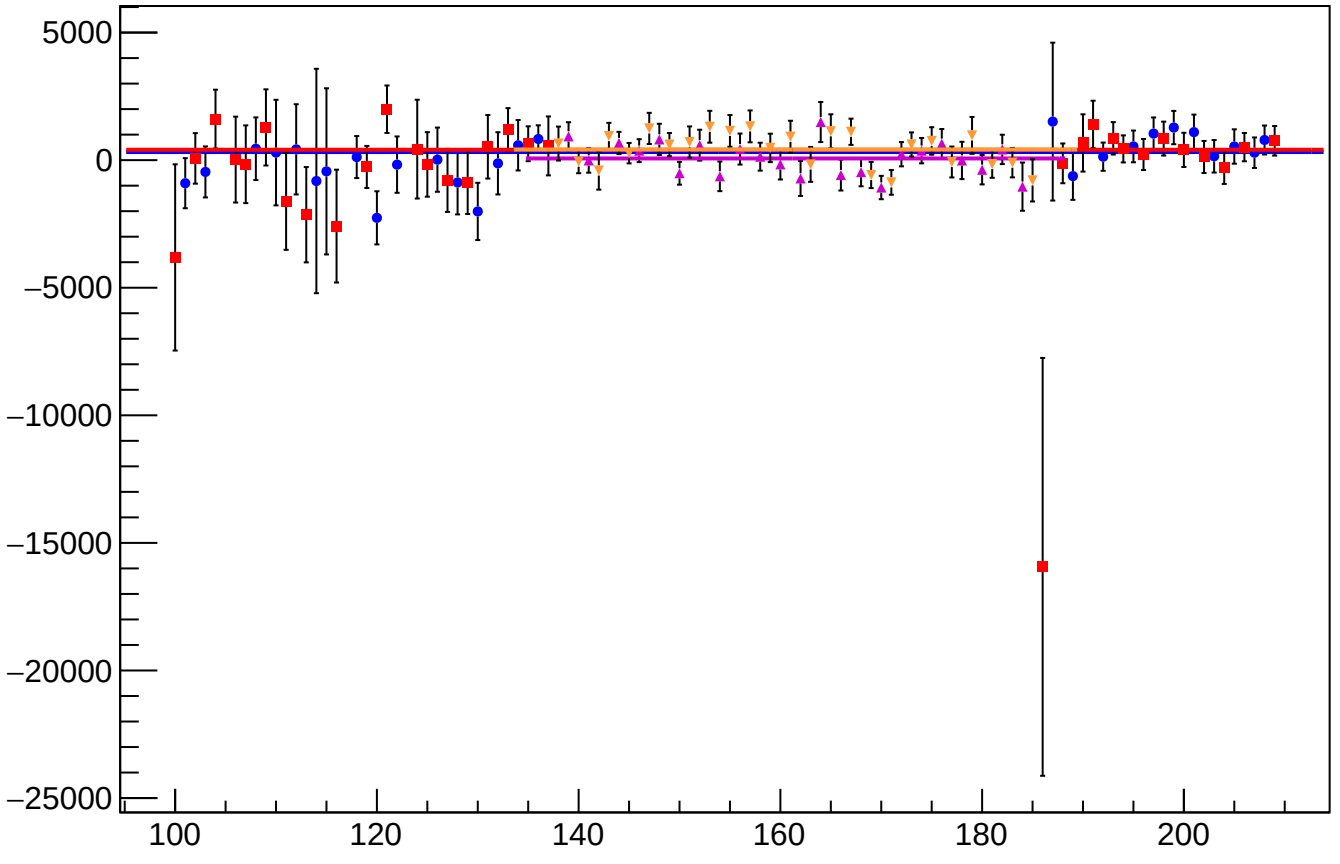
Right Out: 89.732+/-0.016 χ^2/NDF: 1507611.0/31

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.260+/-0.011 χ^2/NDF: 1690924.1/51

All: 87.827+/-0.008 χ^2/NDF: 3813556.8/106

- sign 88.406+/-0.011 χ^2/NDF: 2116802.9/54



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

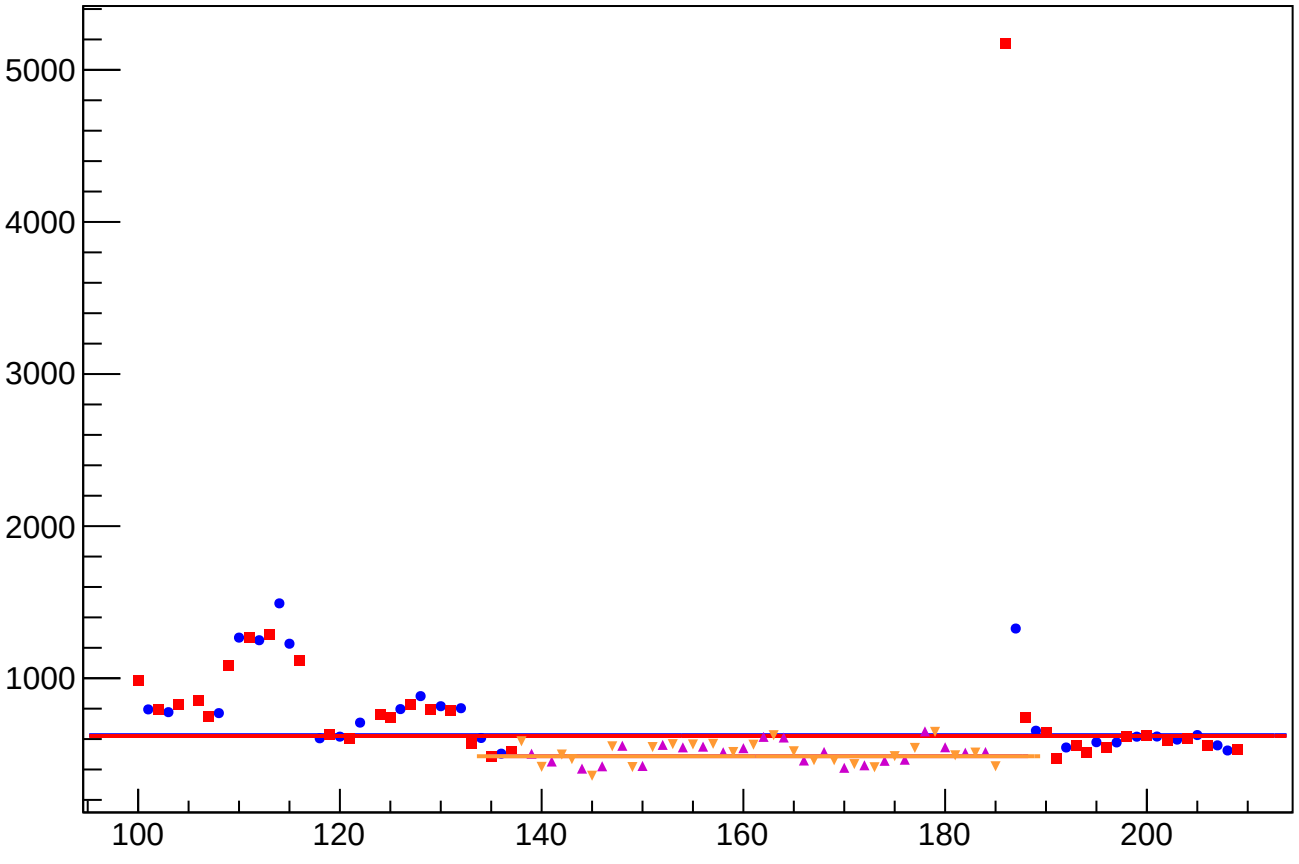
Right Out: 406.381+/-155.015 χ^2/NDF: 23.2/31

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 384.223+/-92.149 χ^2/NDF: 54.8/51

All: 286.482+/-65.310 χ^2/NDF: 110.8/106

- sign 187.833+/-92.576 χ^2/NDF: 53.8/54



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 620.224+/-0.110 χ^2/NDF: 2186089.4/31

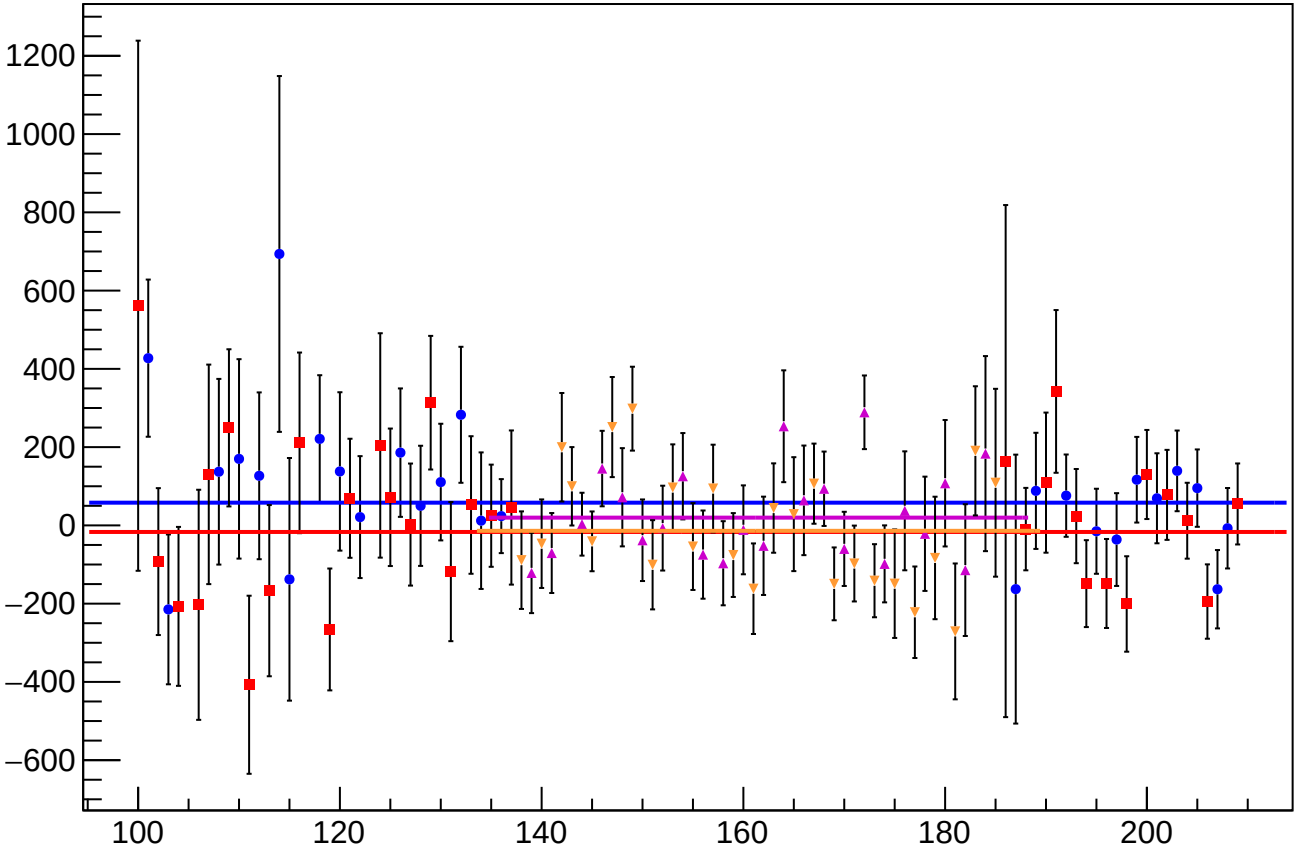
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 532.354+/-0.065 χ^2/NDF: 3135793.1/51

All: 533.727+/-0.046 χ^2/NDF: 6894190.7/106

- sign 535.114+/-0.065 χ^2/NDF: 3757504.6/54

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 58.059+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -16.798+/-26.534 χ^2/NDF: 31.9/31

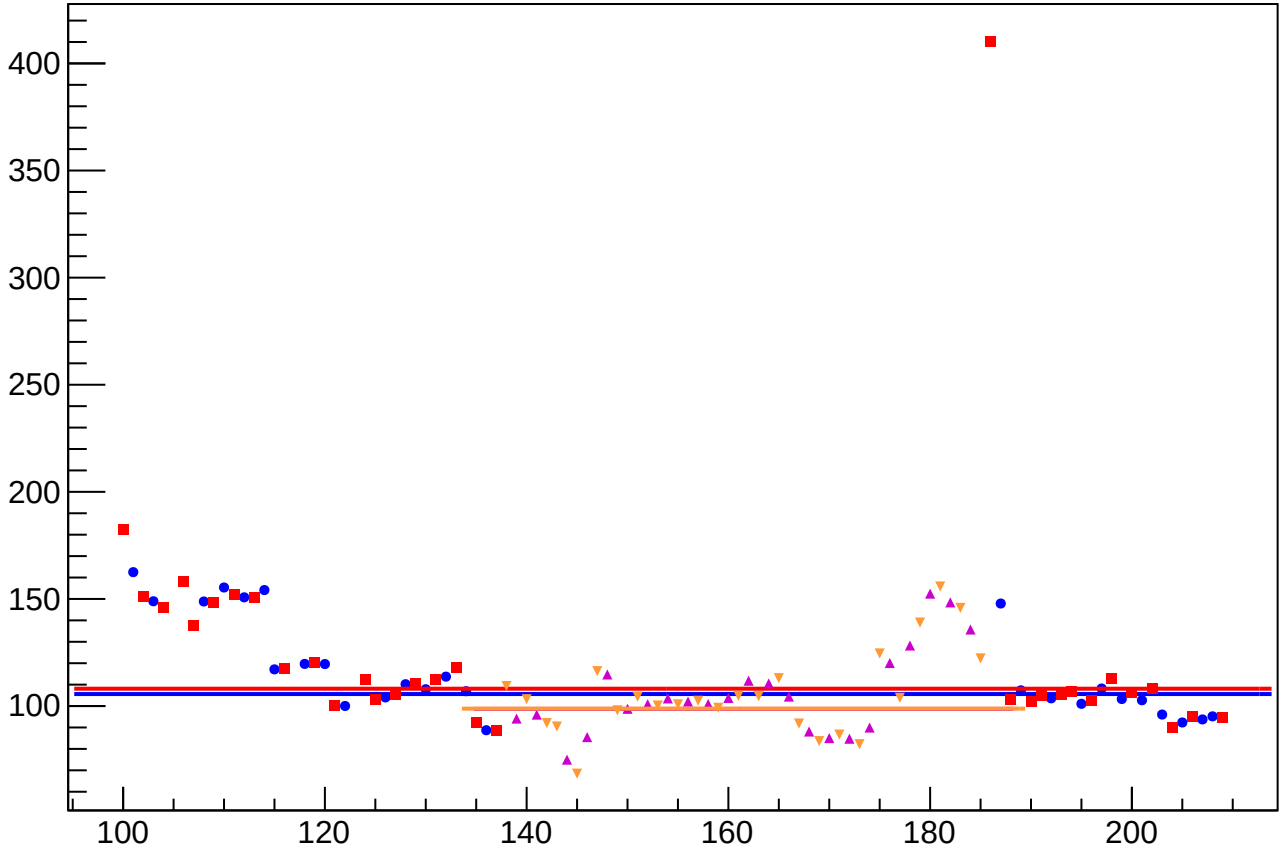
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 16.311+/-17.455 χ^2/NDF: 60.4/51

All: 10.046+/-12.401 χ^2/NDF: 116.9/106

- sign 3.661+/-17.622 χ^2/NDF: 56.2/54

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.602+/-0.019 χ^2/NDF: 758185.2/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 108.098+/-0.019 χ^2/NDF: 1174114.4/31

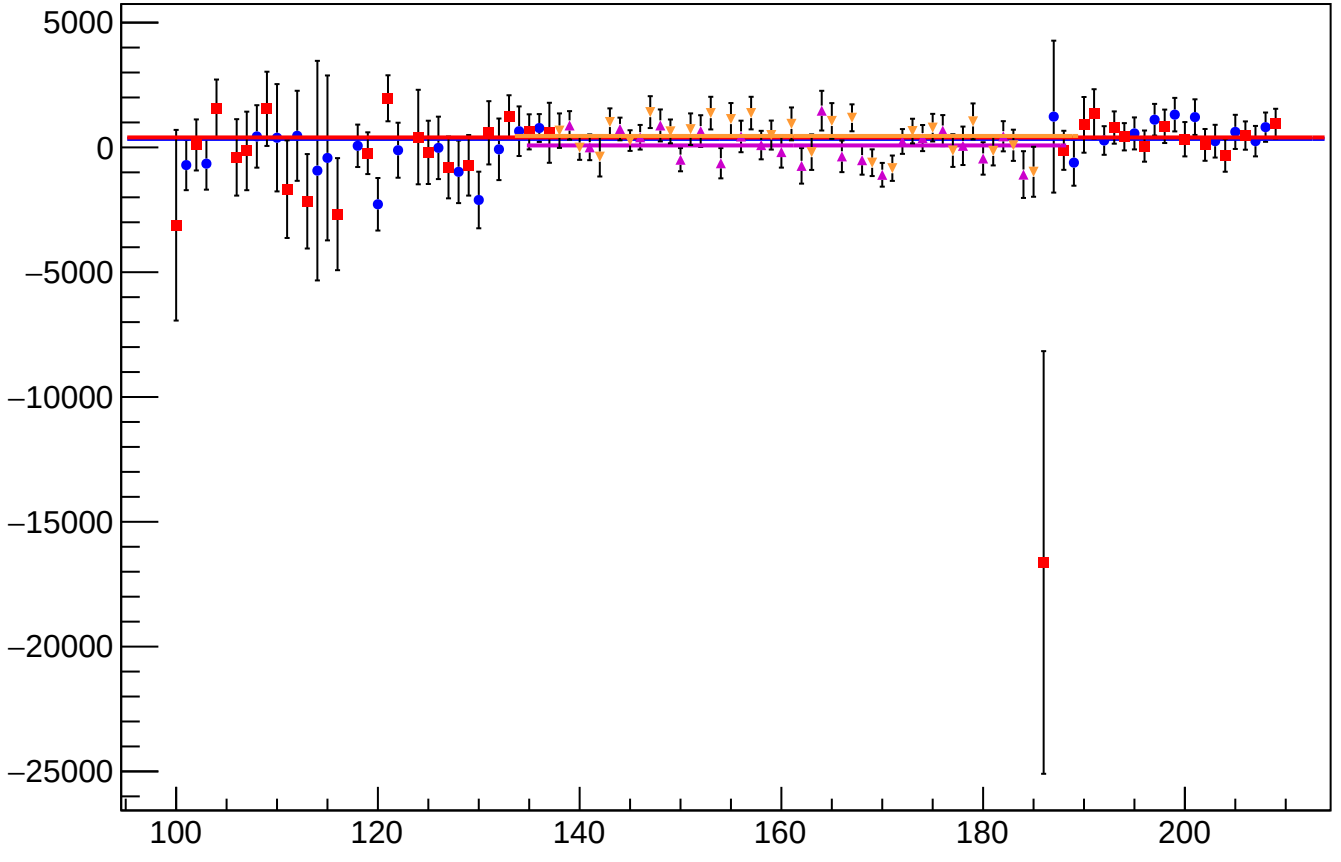
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 101.655+/-0.012 χ^2/NDF: 2018002.0/51

All: 102.237+/-0.009 χ^2/NDF: 4325473.5/106

- sign 102.830+/-0.012 χ^2/NDF: 2302983.4/54

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 340.252+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 399.130+/-157.767 χ^2/NDF: 23.4/31

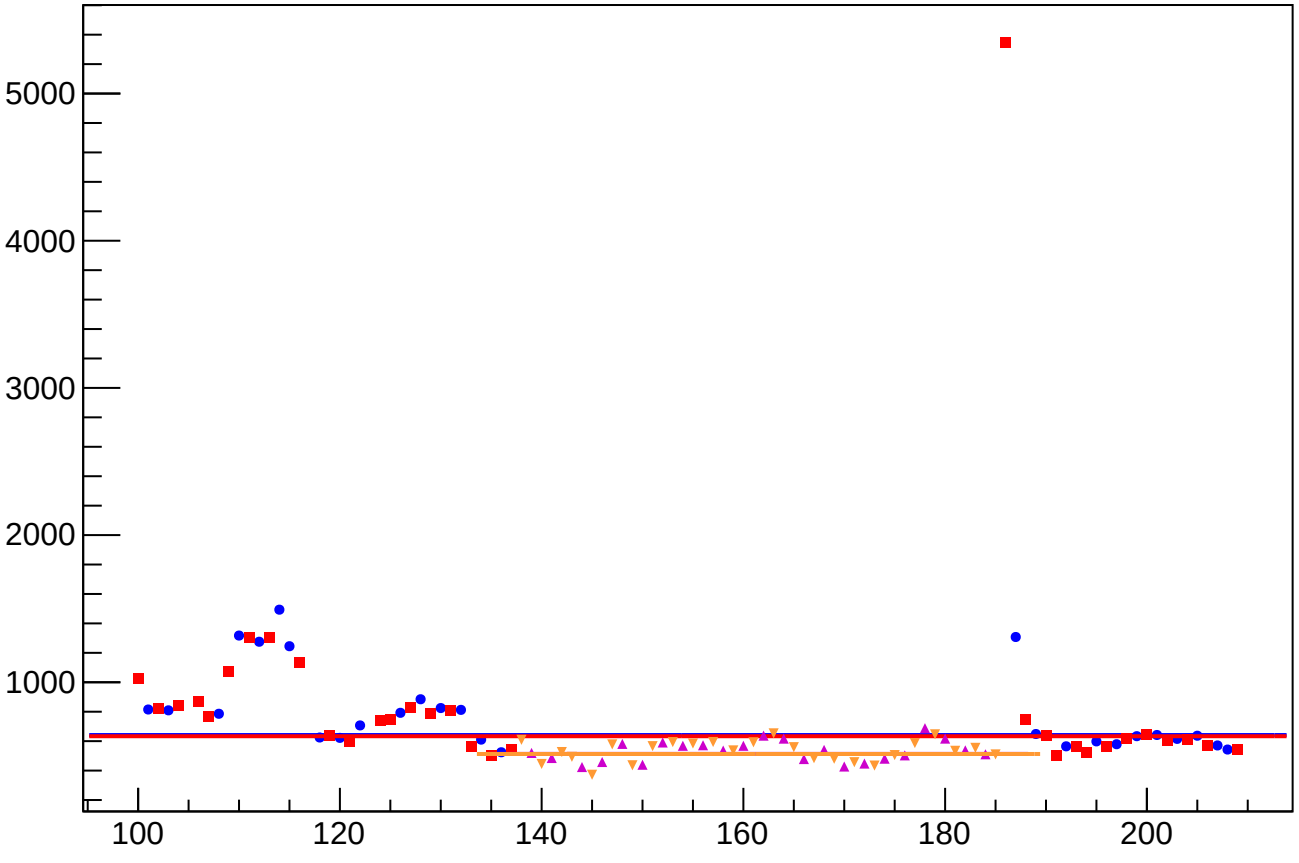
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 418.827+/-96.039 χ^2/NDF: 53.6/51

All: 308.619+/-67.978 χ^2/NDF: 108.4/106

- sign 197.971+/-96.231 χ^2/NDF: 52.2/54

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 641.338+/-0.117 χ^2/NDF: 1265128.9/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 633.365+/-0.112 χ^2/NDF: 2127417.0/31

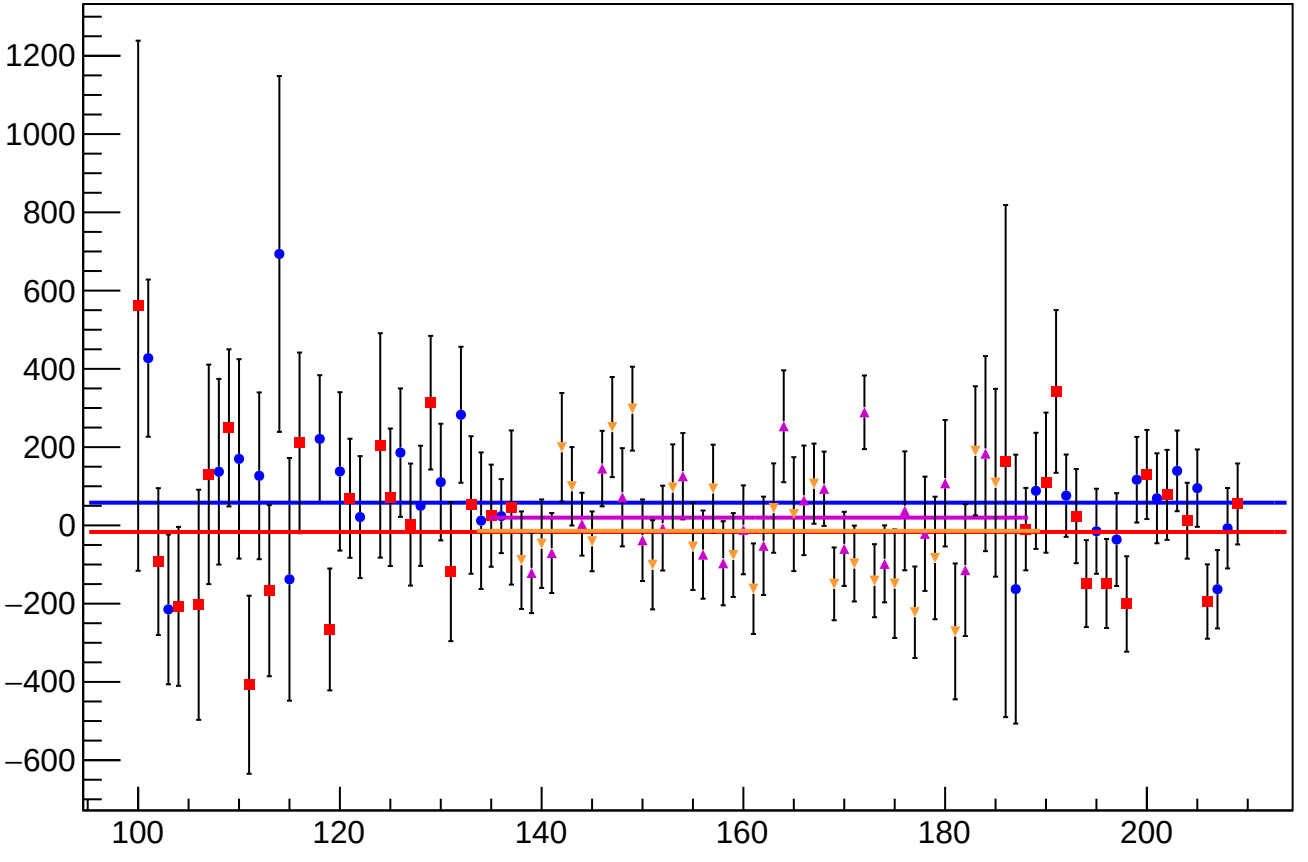
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 556.331+/-0.068 χ^2/NDF: 2867343.8/51

All: 557.172+/-0.048 χ^2/NDF: 6355542.1/106

- sign 558.016+/-0.068 χ^2/NDF: 3487891.1/54

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 58.058+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -16.799+/-26.534 χ^2/NDF: 31.9/31

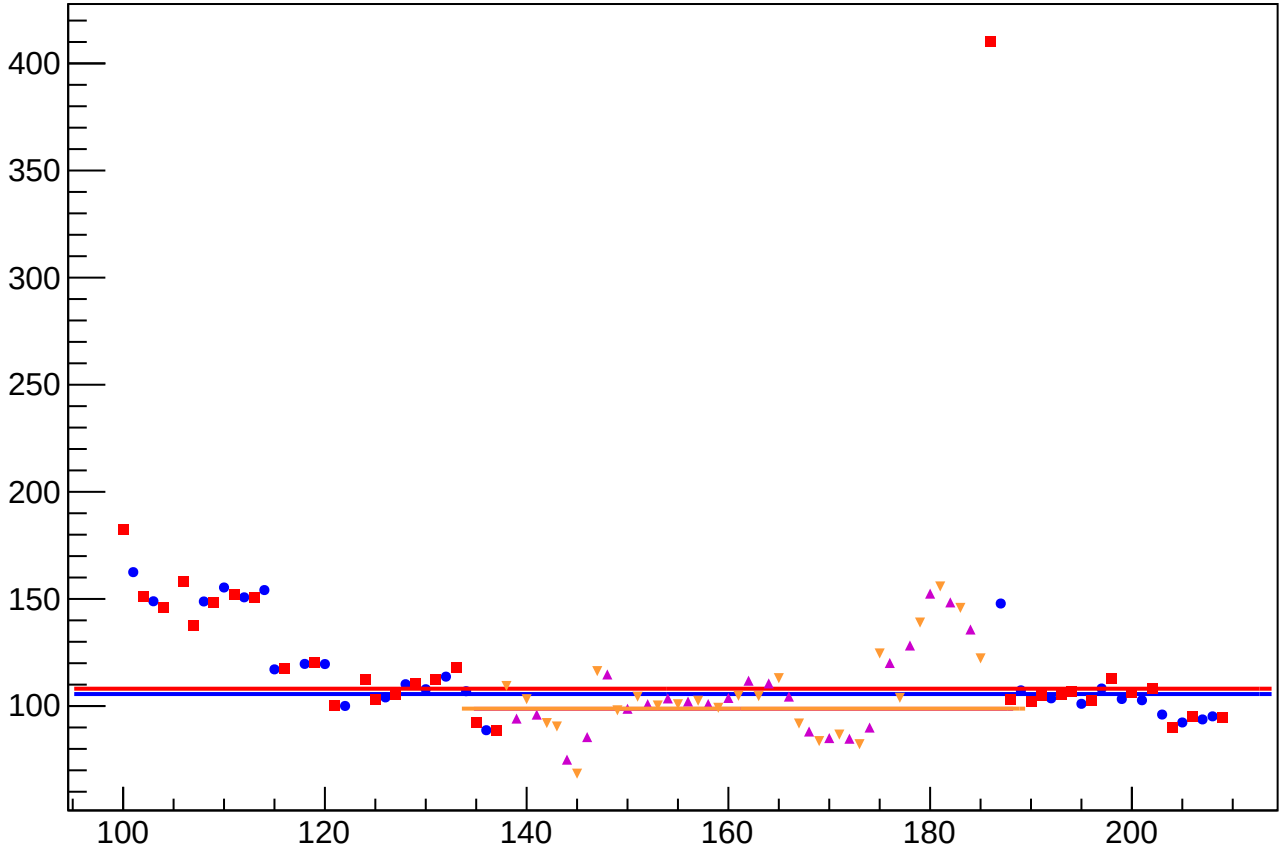
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 16.309+/-17.455 χ^2/NDF: 60.4/51

All: 10.045+/-12.401 χ^2/NDF: 116.9/106

\- sign 3.660+/-17.622 χ^2/NDF: 56.2/54

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.602+/-0.019 χ^2/NDF: 758175.8/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

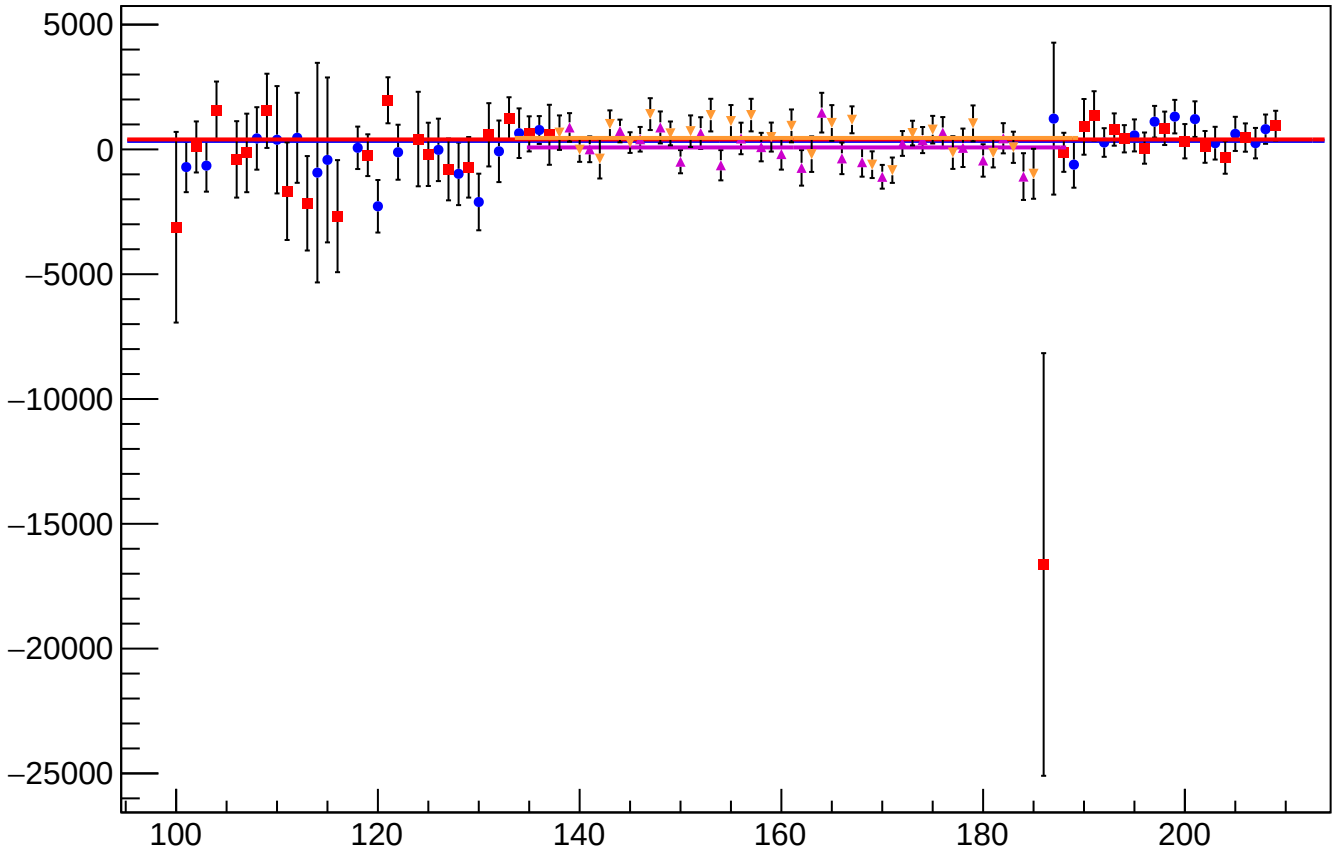
Right Out: 108.098+/-0.019 χ^2/NDF: 1174101.5/31

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 101.655+/-0.012 χ^2/NDF: 2017999.0/51

All: 102.237+/-0.009 χ^2/NDF: 4325451.8/106

- sign 102.830+/-0.012 χ^2/NDF: 2302964.4/54



Right In: 340.251+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

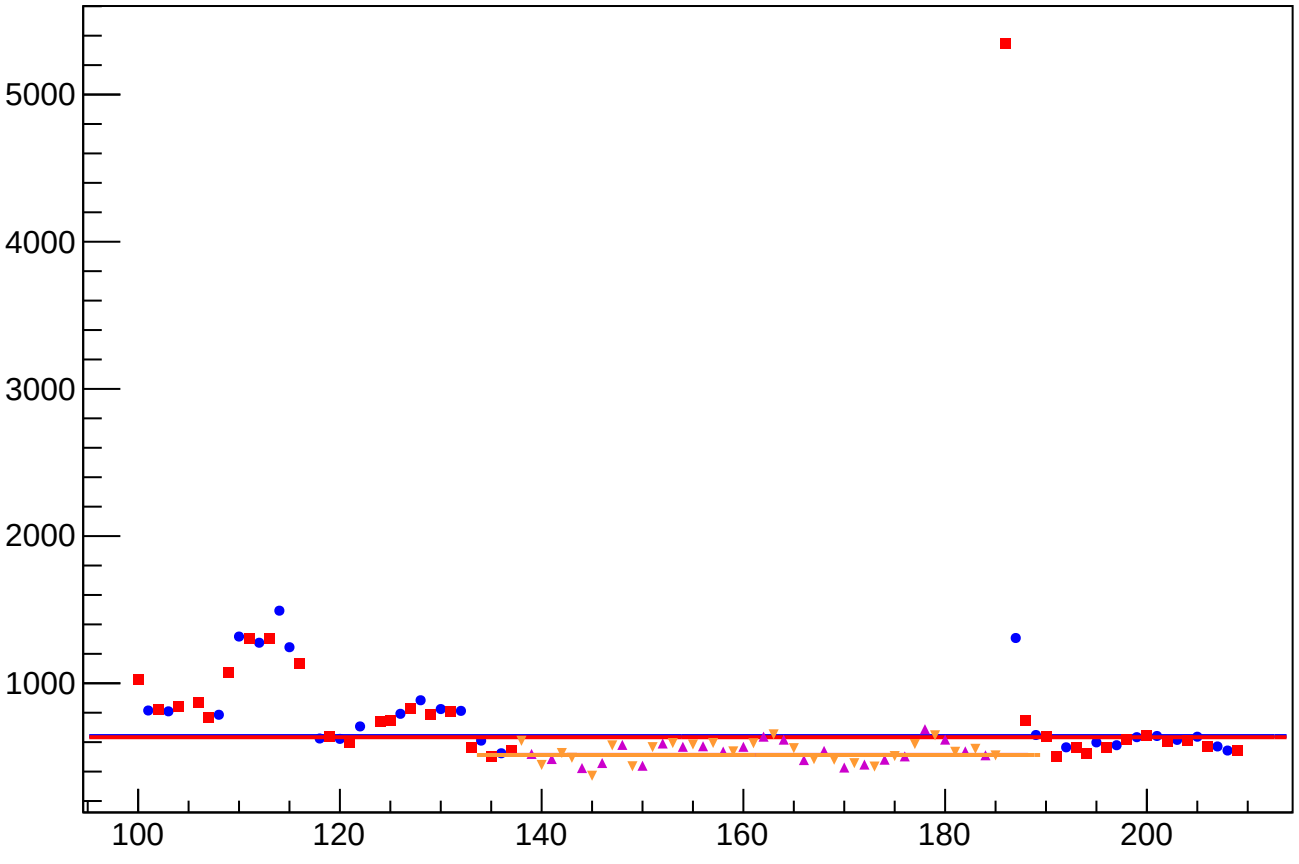
Right Out: 399.129+/-157.767 χ^2/NDF: 23.4/31

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 418.826+/-96.039 χ^2/NDF: 53.6/51

All: 308.618+/-67.978 χ^2/NDF: 108.4/106

\- sign 197.971+/-96.231 χ^2/NDF: 52.2/54



Right In: 641.337+/-0.117 χ^2/NDF: 1265125.5/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 633.364+/-0.112 χ^2/NDF: 2127412.4/31

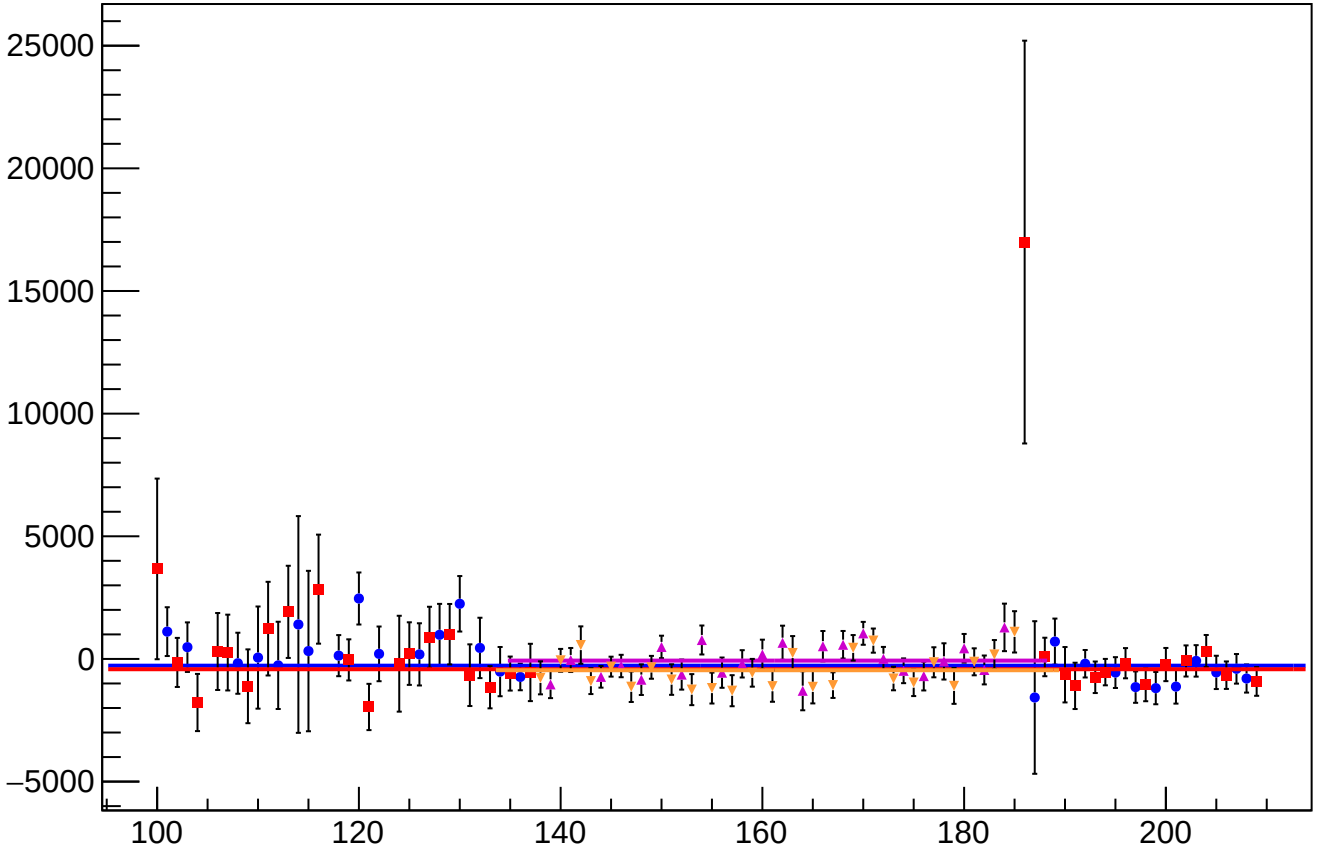
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 556.331+/-0.068 χ^2/NDF: 2867334.3/51

All: 557.172+/-0.048 χ^2/NDF: 6355515.5/106

- sign 558.016+/-0.068 χ^2/NDF: 3487874.0/54

asym_sam_26_48_dd_mean vs Slug



Right In: -274.831+/-162.843 χ^2/NDF: 25.0/26

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -419.734+/-156.654 χ^2/NDF: 23.5/31

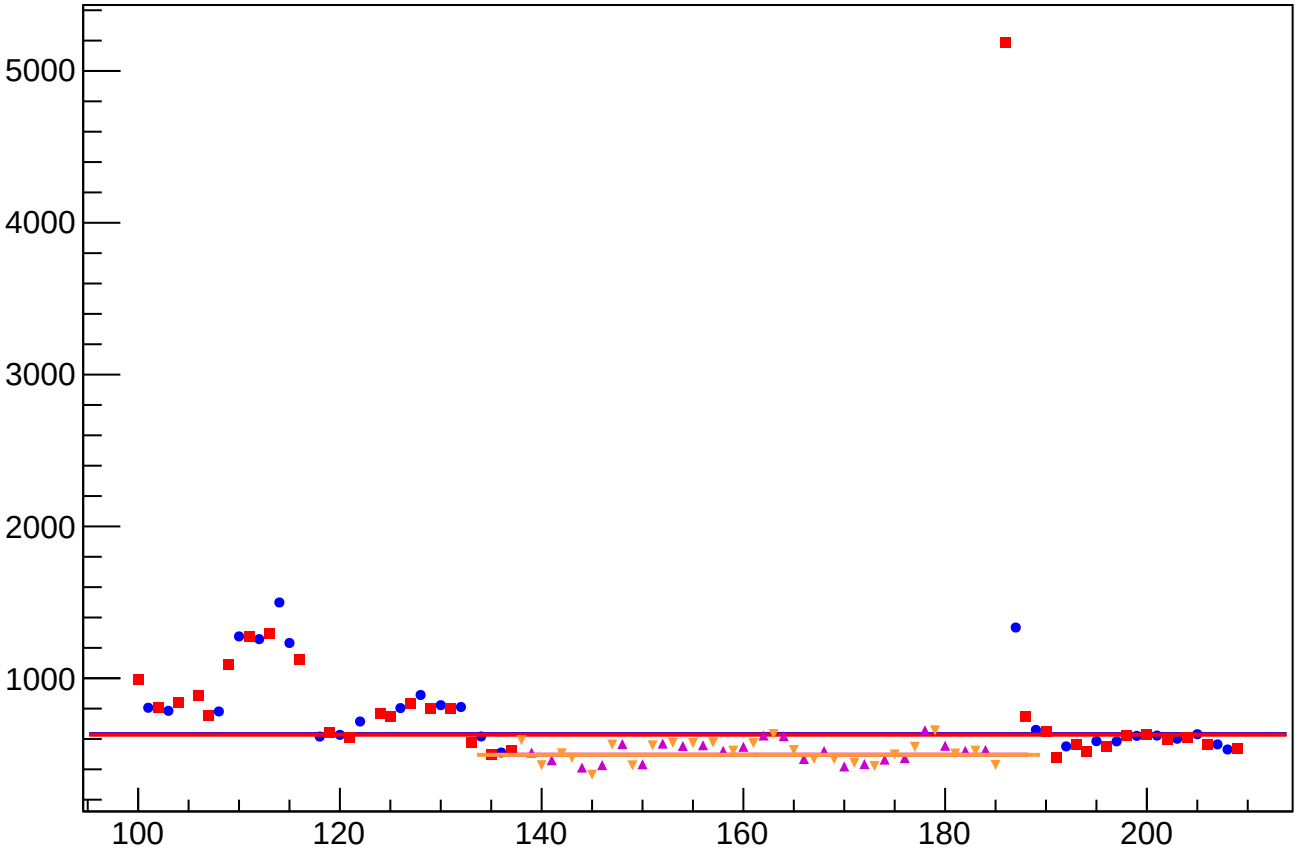
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -398.839+/-93.518 χ^2/NDF: 56.7/51

All: -297.108+/-66.272 χ^2/NDF: 114.4/106

- sign -194.480+/-93.929 χ^2/NDF: 55.4/54

asym_sam_26_48_dd_rms vs Slug



Right In: 632.346+/-0.115 χ^2/NDF: 1310136.3/26

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

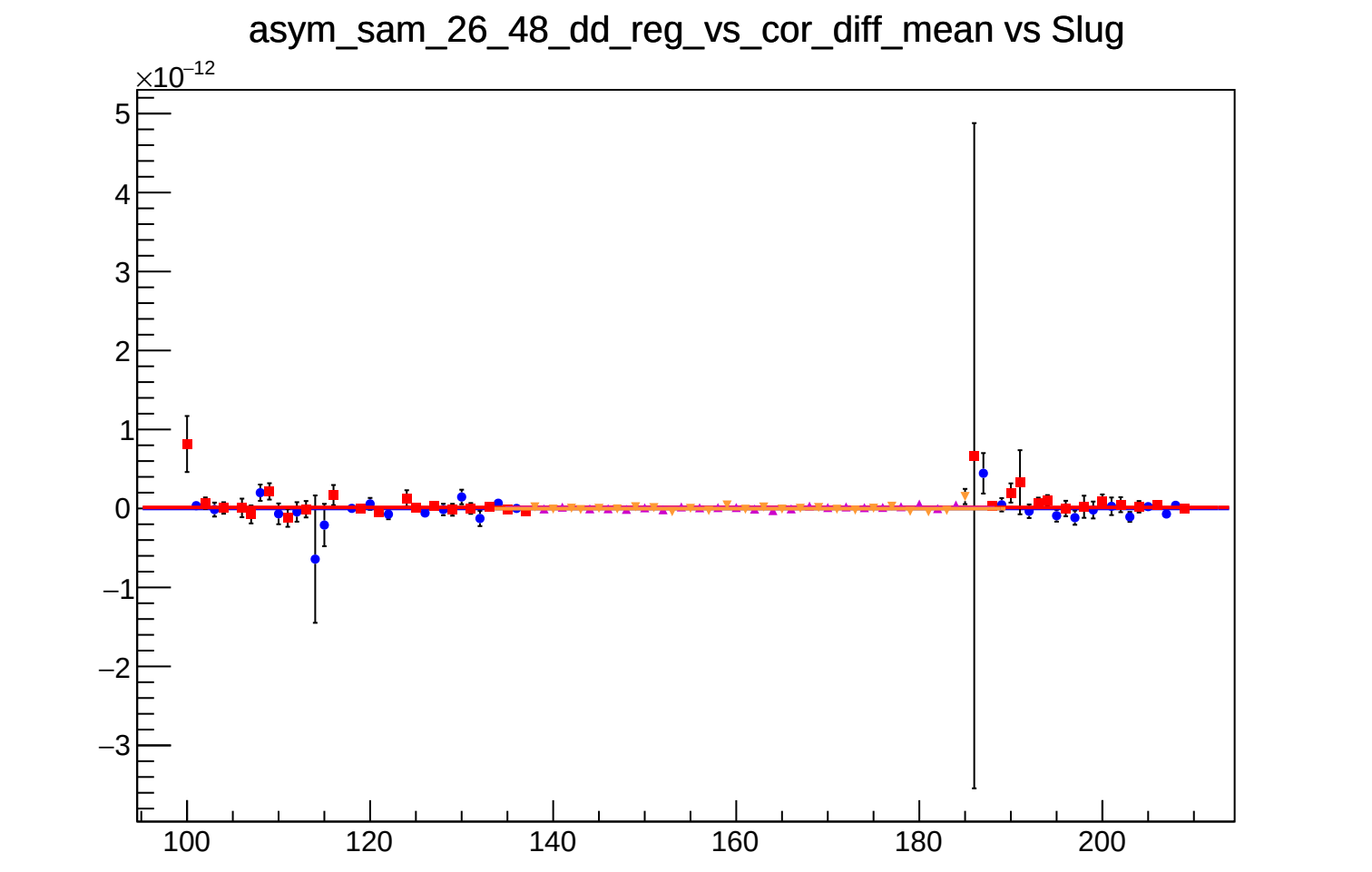
Right Out: 628.161+/-0.111 χ^2/NDF: 2181588.1/31

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 540.641+/-0.066 χ^2/NDF: 3061193.3/51

All: 542.169+/-0.047 χ^2/NDF: 6773694.3/106

- sign 543.710+/-0.066 χ^2/NDF: 3711428.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

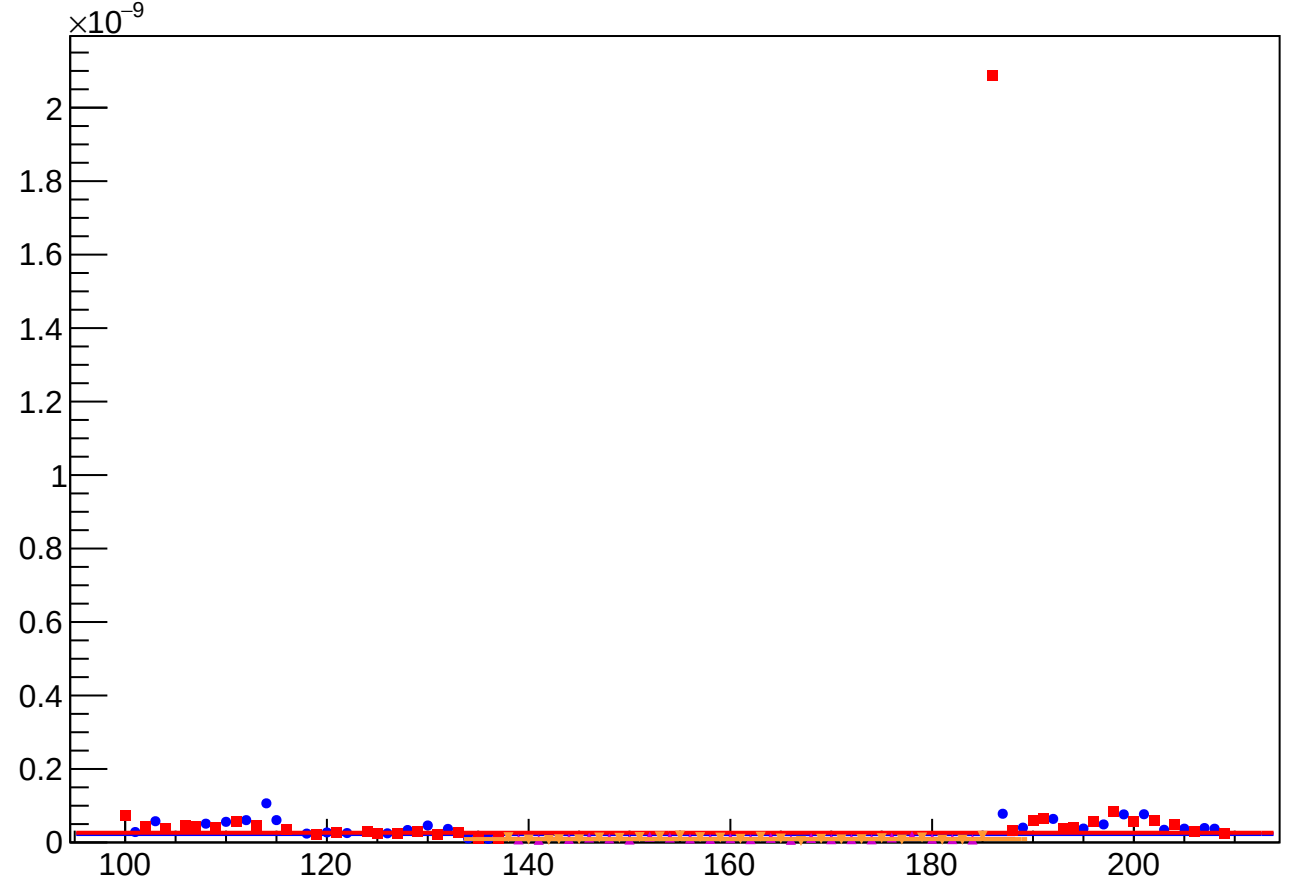
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/31

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/51

All: 0.000+/-0.000 χ^2/NDF: 101.5/106

- sign 0.000+/-0.000 χ^2/NDF: 42.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 5221465.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4065860.6/31

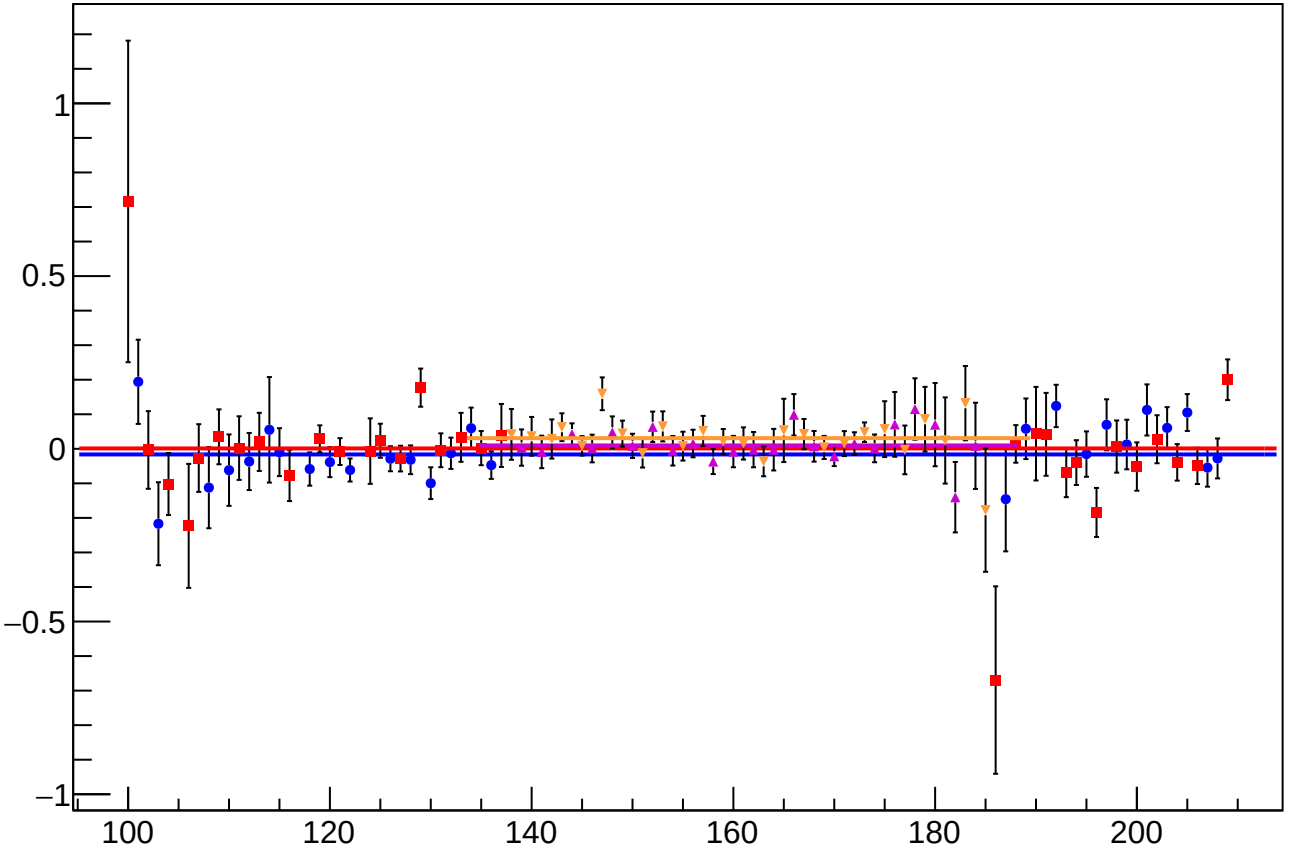
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10219981.0/51

All: 0.000+/-0.000 χ^2/NDF: 19126689.1/106

- sign 0.000+/-0.000 χ^2/NDF: 8842881.9/54

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.001+/-0.011 χ^2/NDF: 46.8/31

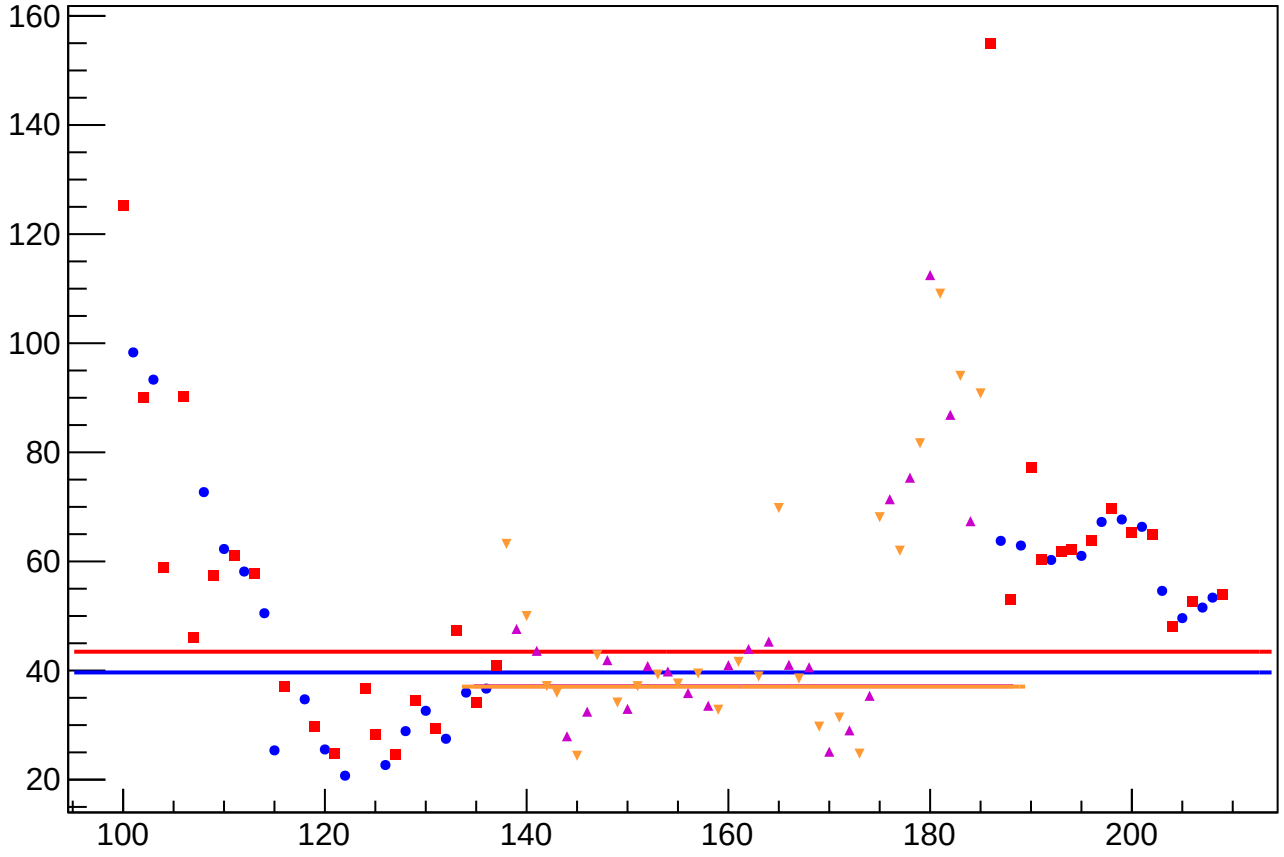
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.009+/-0.005 χ^2/NDF: 123.5/106

- sign 0.006+/-0.007 χ^2/NDF: 60.4/54

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

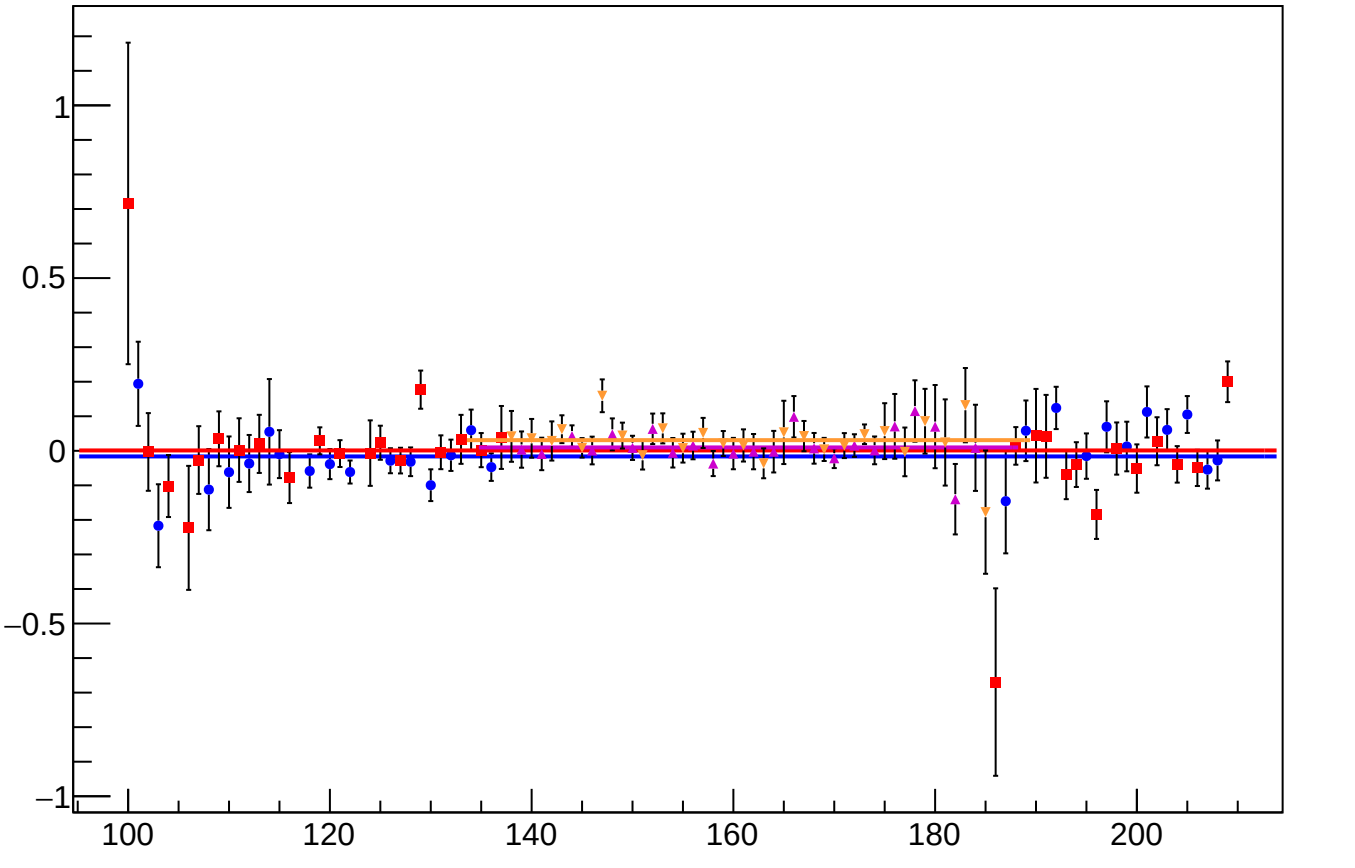
Right Out: 43.451+/-0.008 χ^2/NDF: 4327689.7/31

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965574.4/51

All: 38.872+/-0.004 χ^2/NDF: 16721206.6/106

- sign 39.678+/-0.005 χ^2/NDF: 7707585.1/54



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

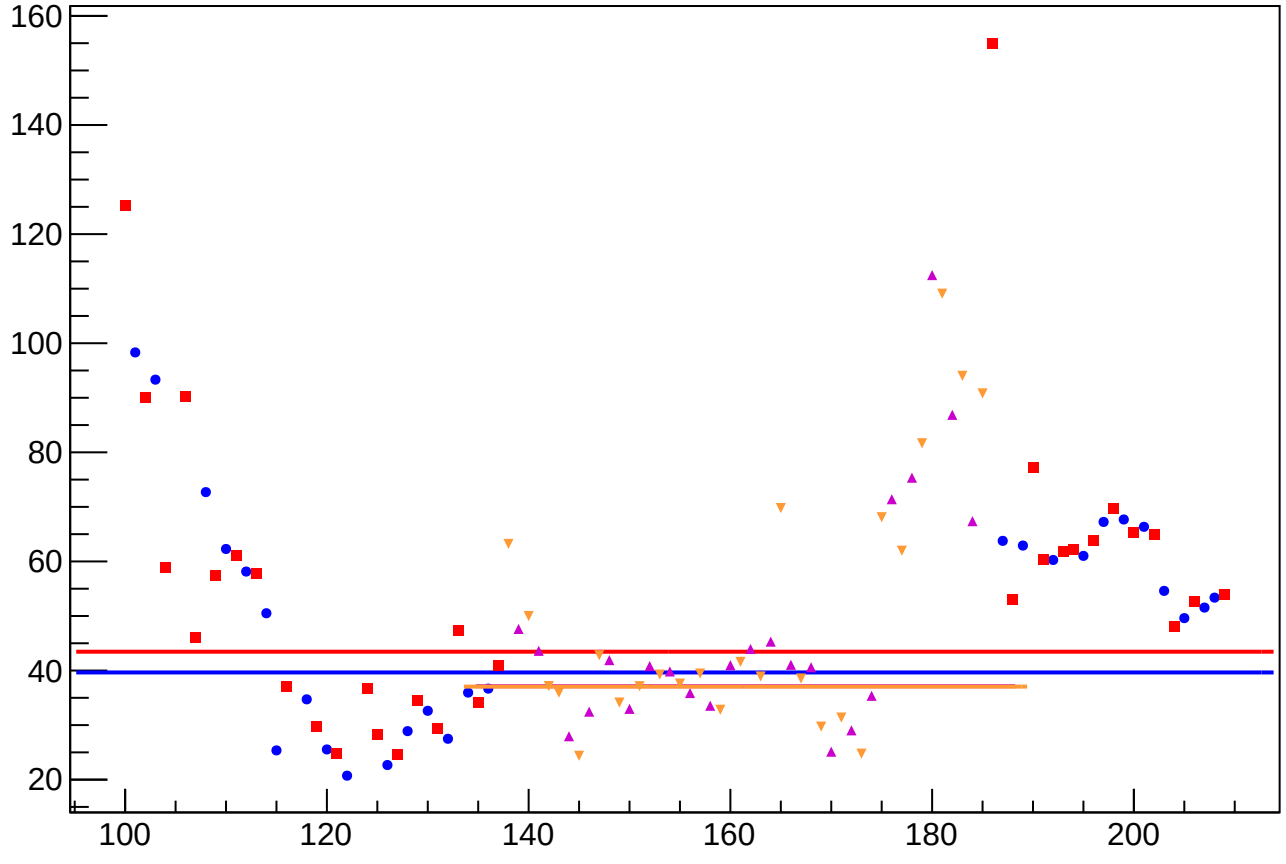
Right Out: 0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.009+/-0.005 χ^2/NDF: 123.5/106

- sign 0.006+/-0.007 χ^2/NDF: 60.4/54



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

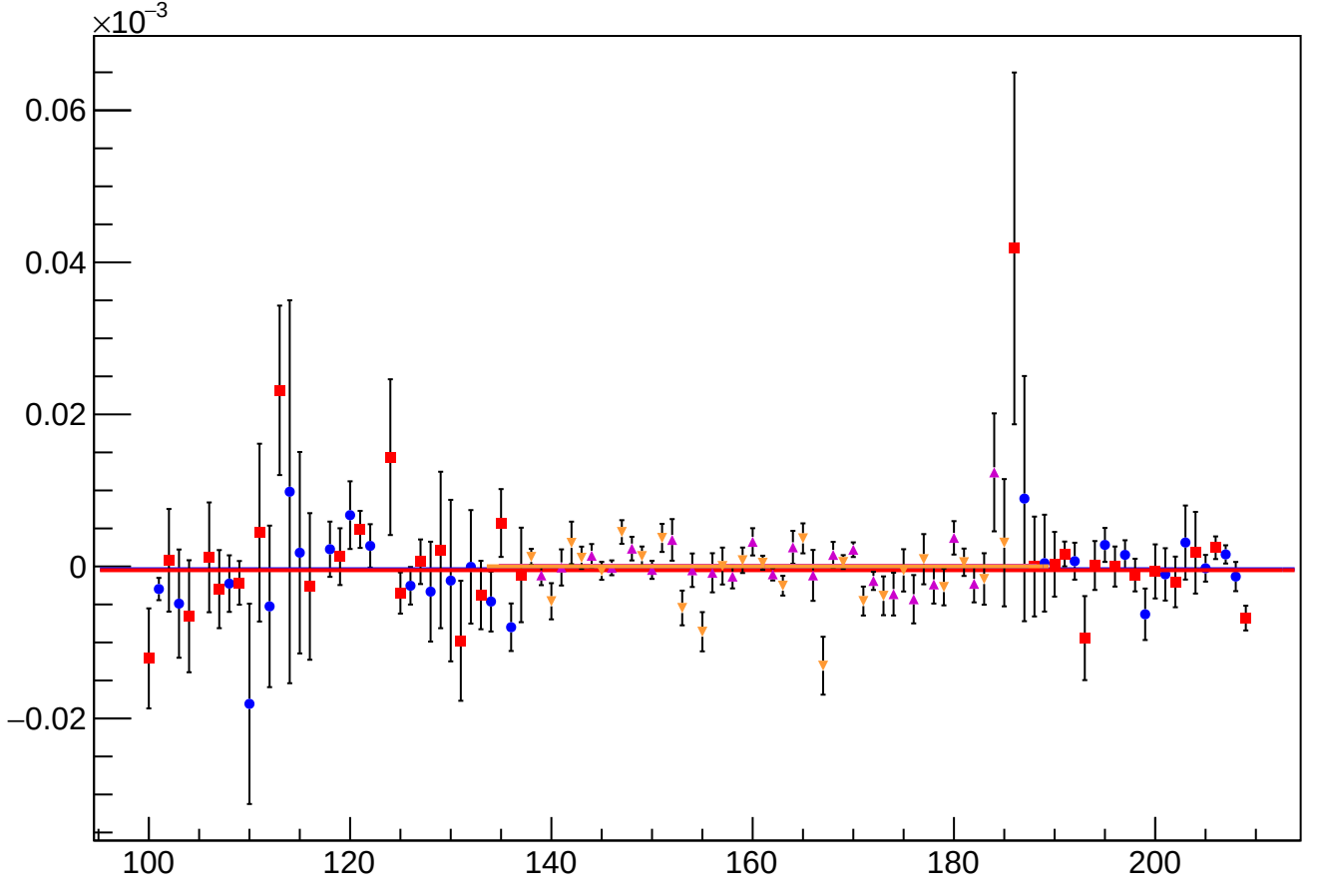
Right Out: 43.451+/-0.008 χ^2/NDF: 4327689.7/31

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965574.4/51

All: 38.872+/-0.004 χ^2/NDF: 16721206.6/106

- sign 39.678+/-0.005 χ^2/NDF: 7707585.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

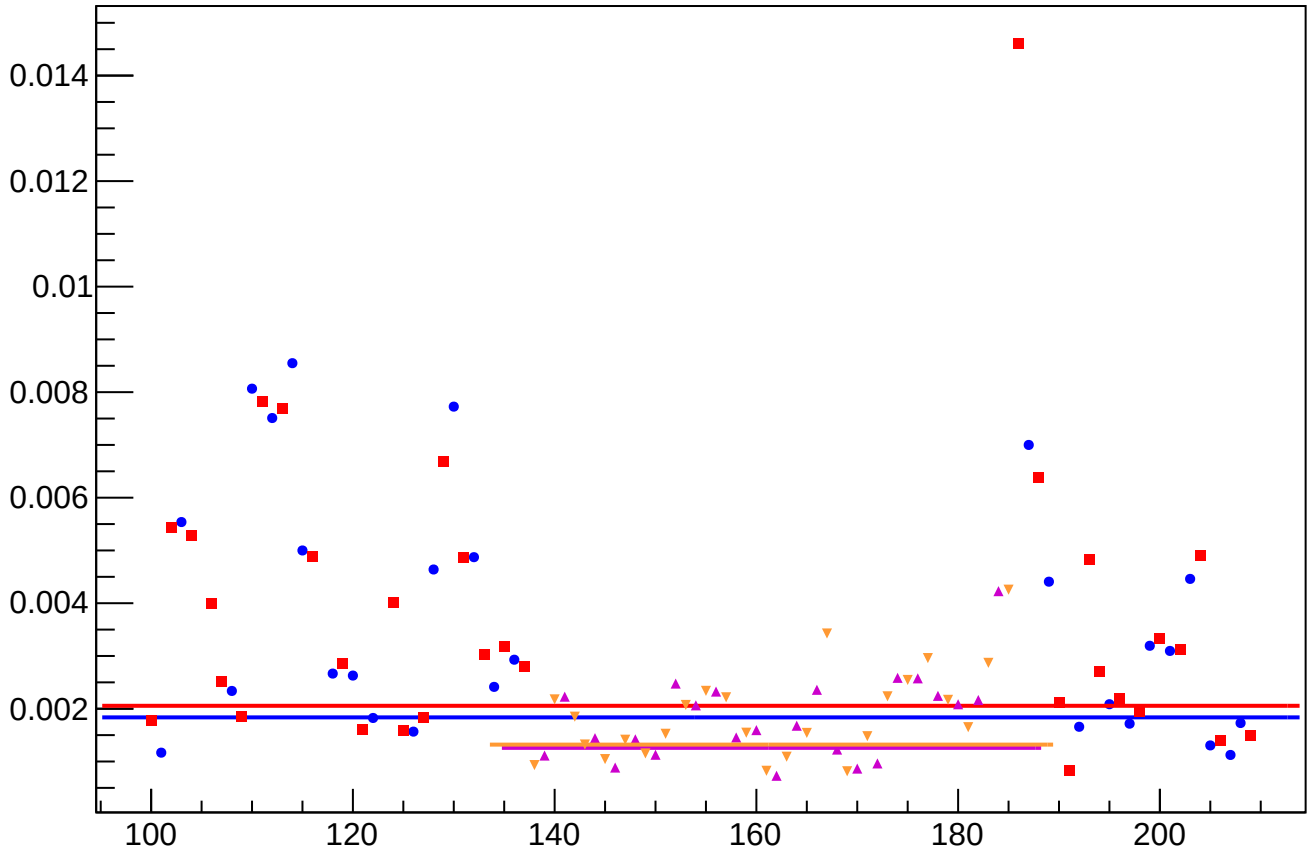
Right Out: -0.000+/-0.000 χ^2/NDF: 48.9/31

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 96.4/51

All: -0.000+/-0.000 χ^2/NDF: 178.3/106

- sign -0.000+/-0.000 χ^2/NDF: 81.8/54



Right In: 0.002+/-0.000 χ^2/NDF: 6693675.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

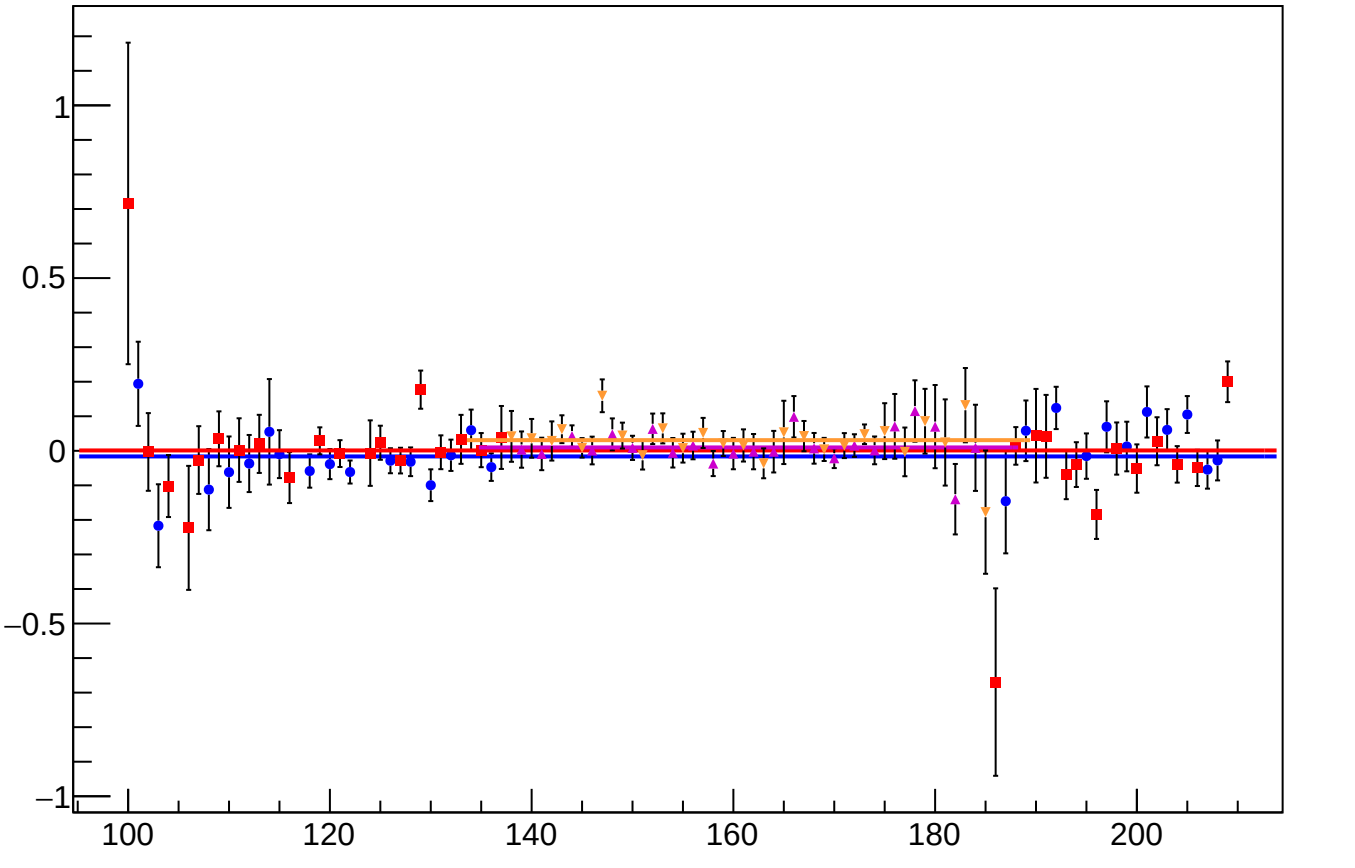
Right Out: 0.002+/-0.000 χ^2/NDF: 8296370.4/31

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 13640392.2/51

All: 0.001+/-0.000 χ^2/NDF: 30115674.3/106

- sign 0.001+/-0.000 χ^2/NDF: 16473602.3/54



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

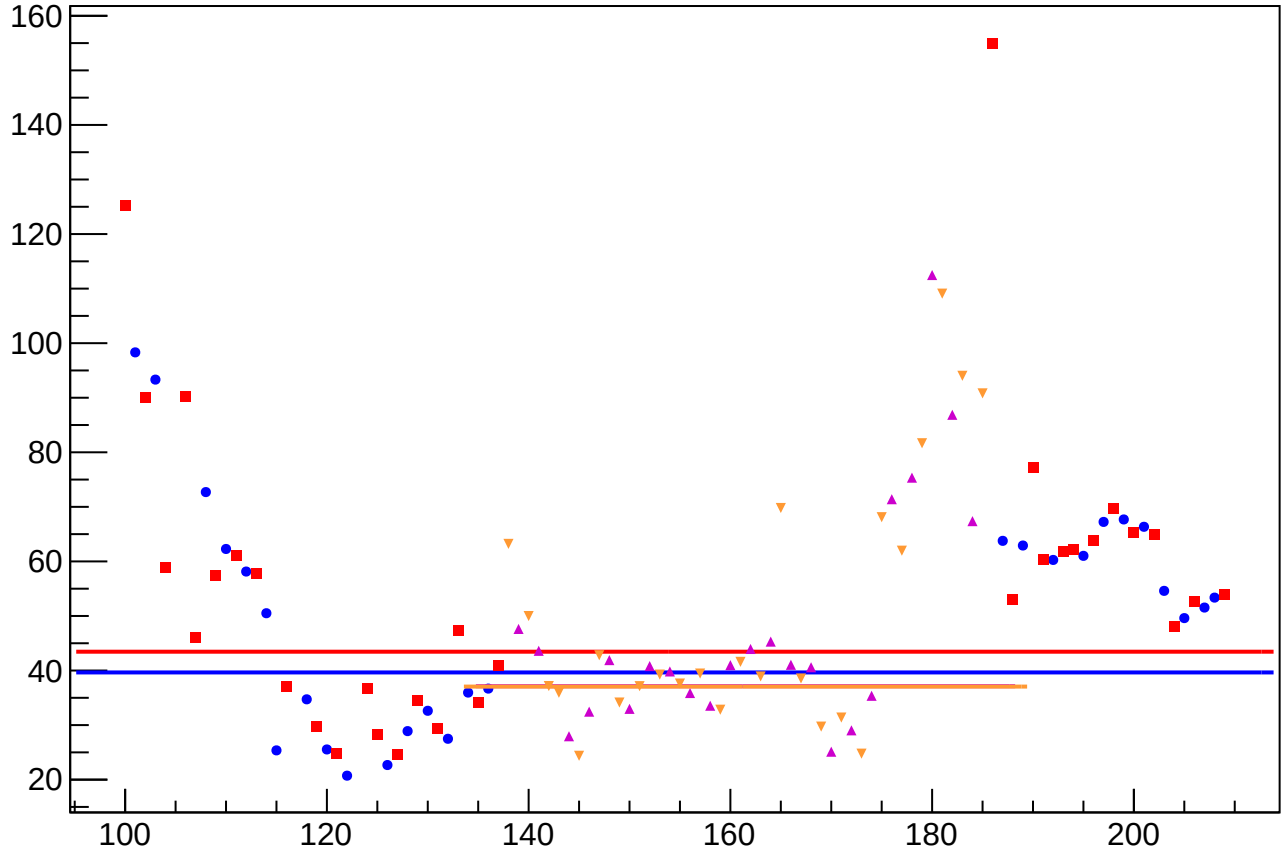
Right Out: 0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.009+/-0.005 χ^2/NDF: 123.5/106

- sign 0.006+/-0.007 χ^2/NDF: 60.4/54



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

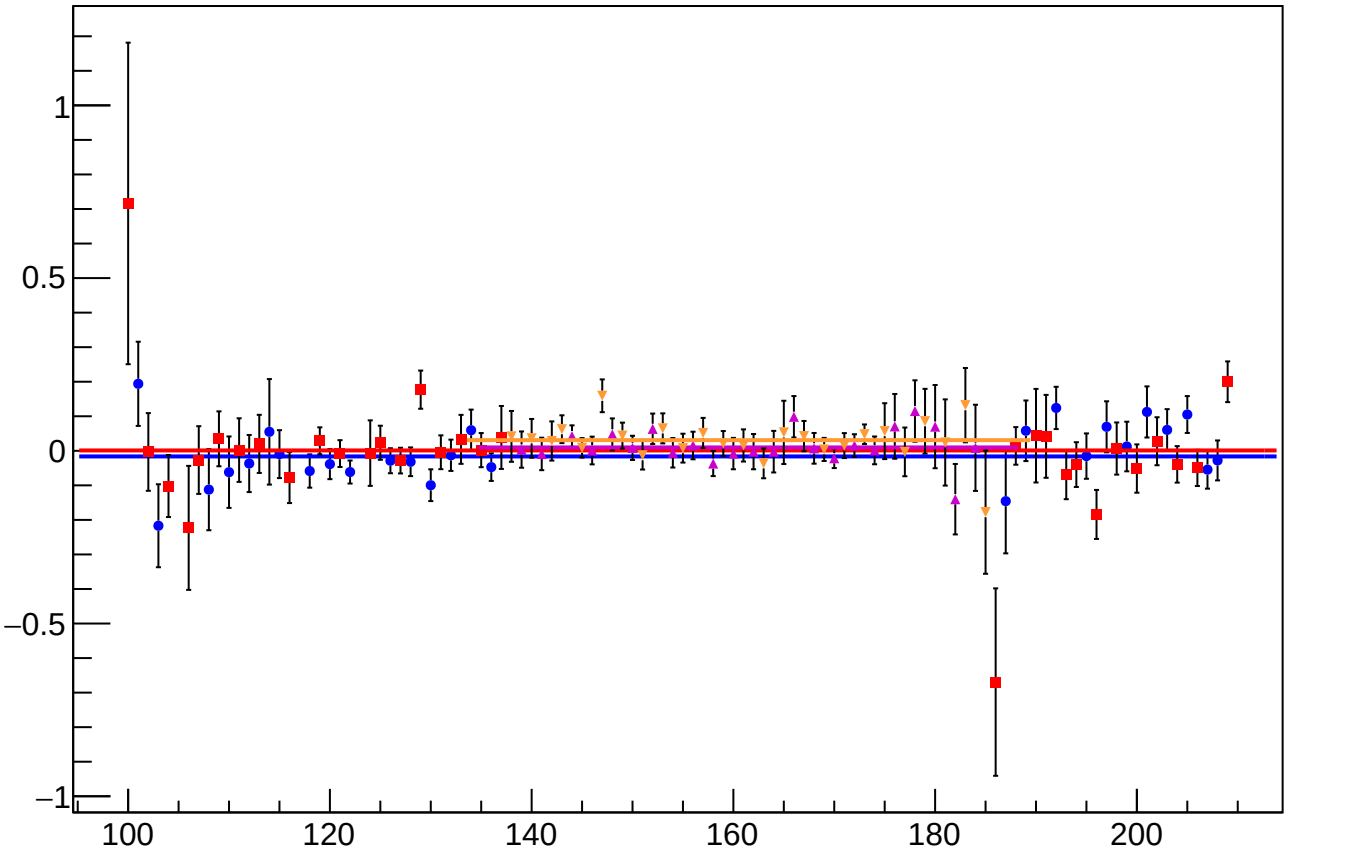
Right Out: 43.452+/-0.008 χ^2/NDF: 4327479.2/31

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965487.4/51

All: 38.872+/-0.004 χ^2/NDF: 16720931.6/106

- sign 39.678+/-0.005 χ^2/NDF: 7707397.0/54



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

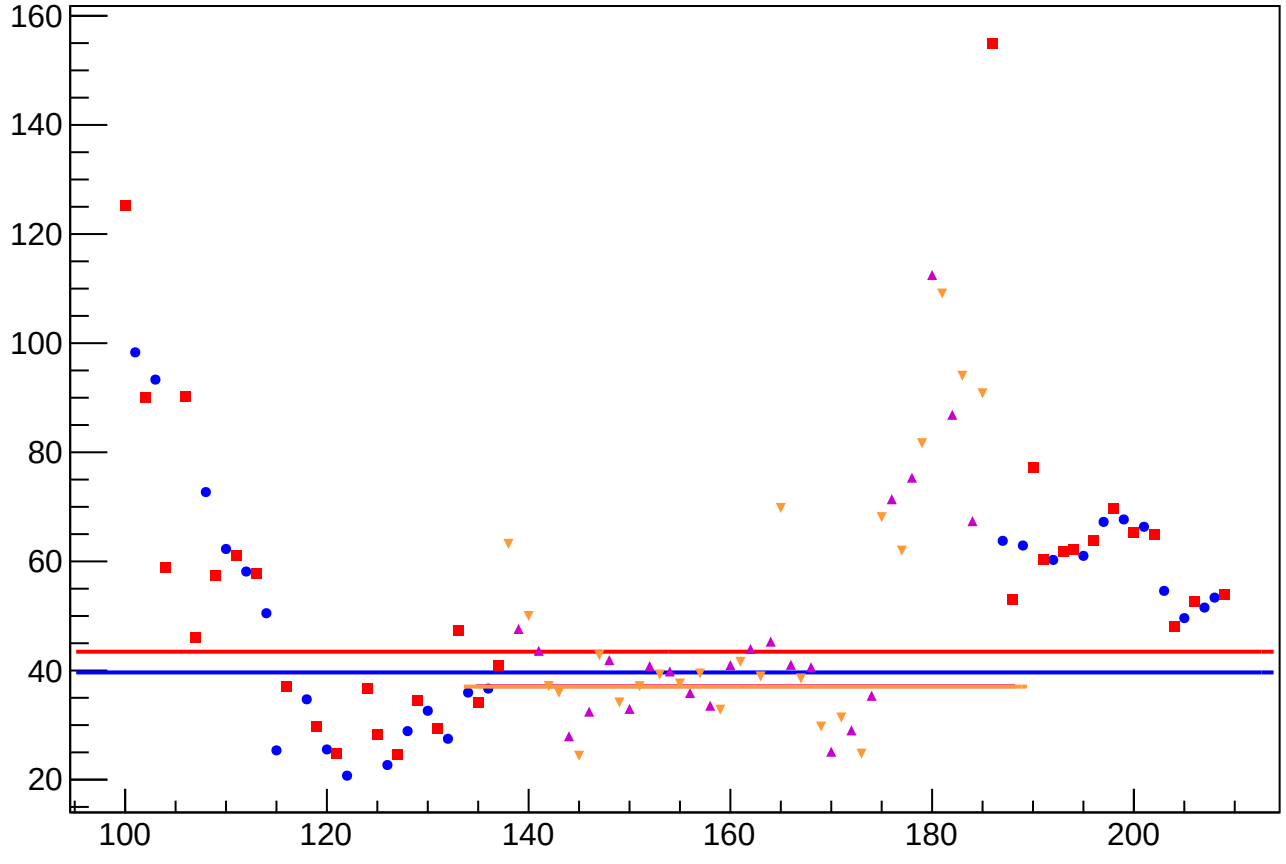
Right Out: 0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 62.8/51

All: 0.009+/-0.005 χ^2/NDF: 123.5/106

- sign 0.006+/-0.007 χ^2/NDF: 60.4/54



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

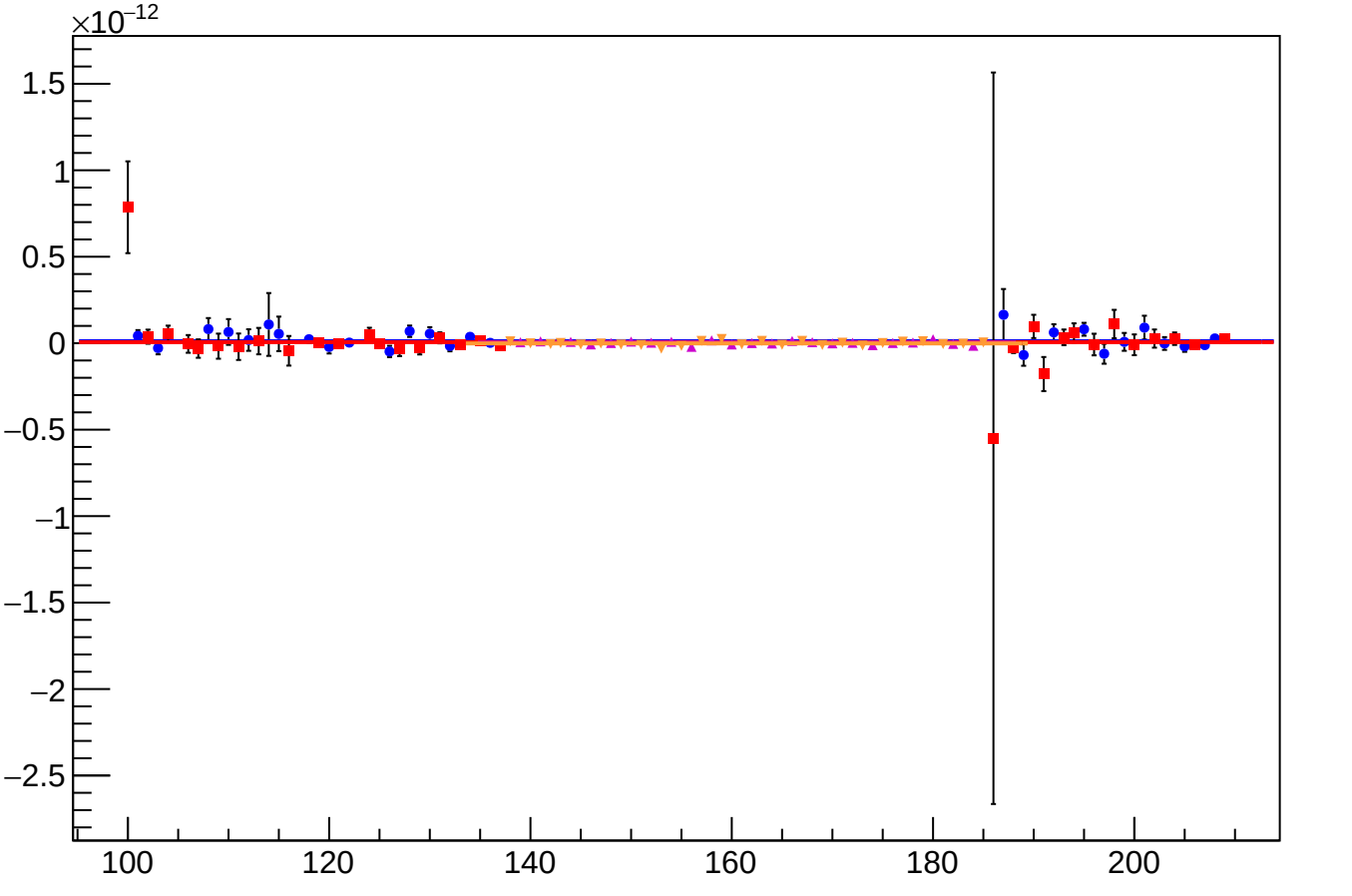
Right Out: 43.452+/-0.008 χ^2/NDF: 4327479.2/31

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.114+/-0.005 χ^2/NDF: 8965487.4/51

All: 38.872+/-0.004 χ^2/NDF: 16720931.6/106

- sign 39.678+/-0.005 χ^2/NDF: 7707397.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

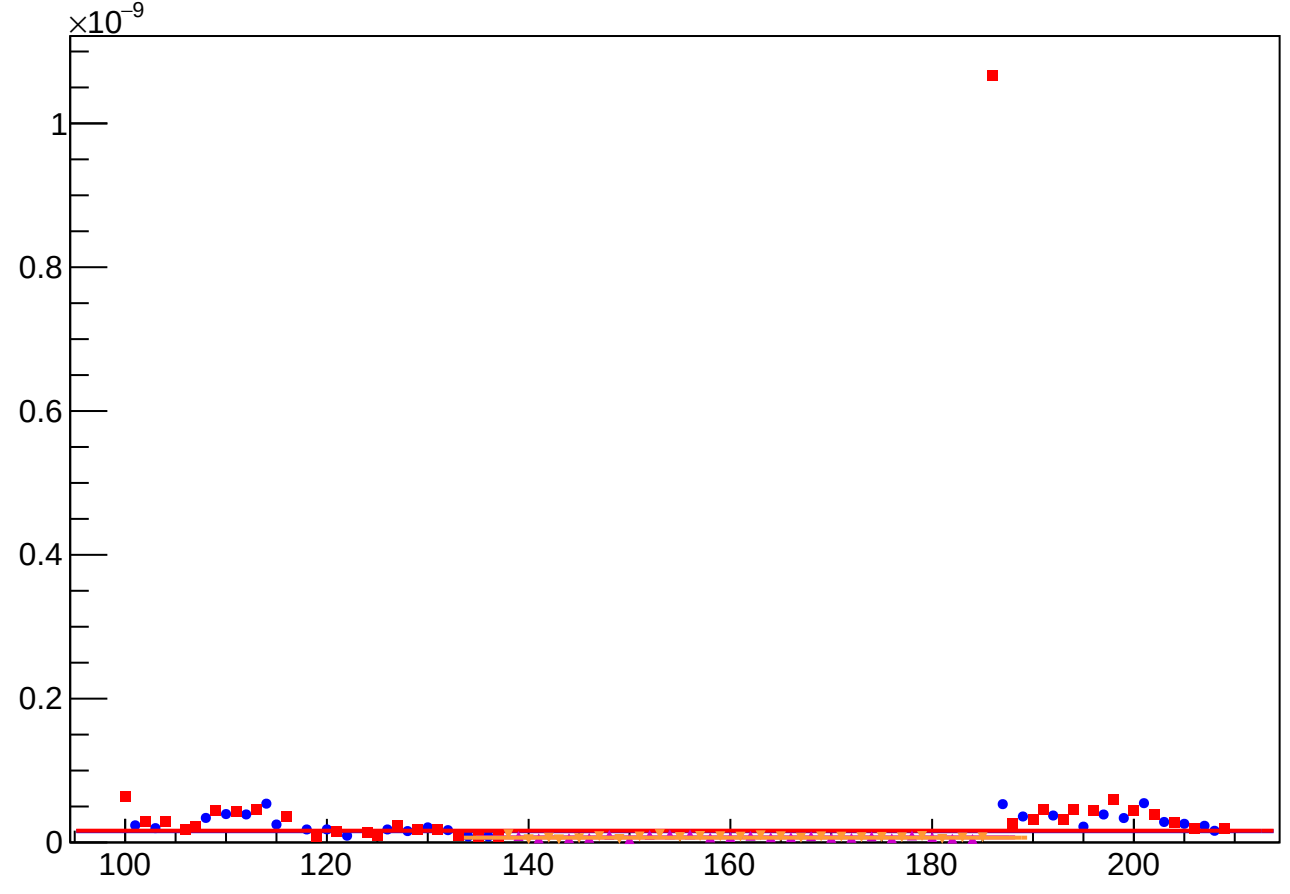
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/31

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/51

All: 0.000+/-0.000 χ^2/NDF: 111.4/106

- sign 0.000+/-0.000 χ^2/NDF: 49.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 5281510.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7230073.8/31

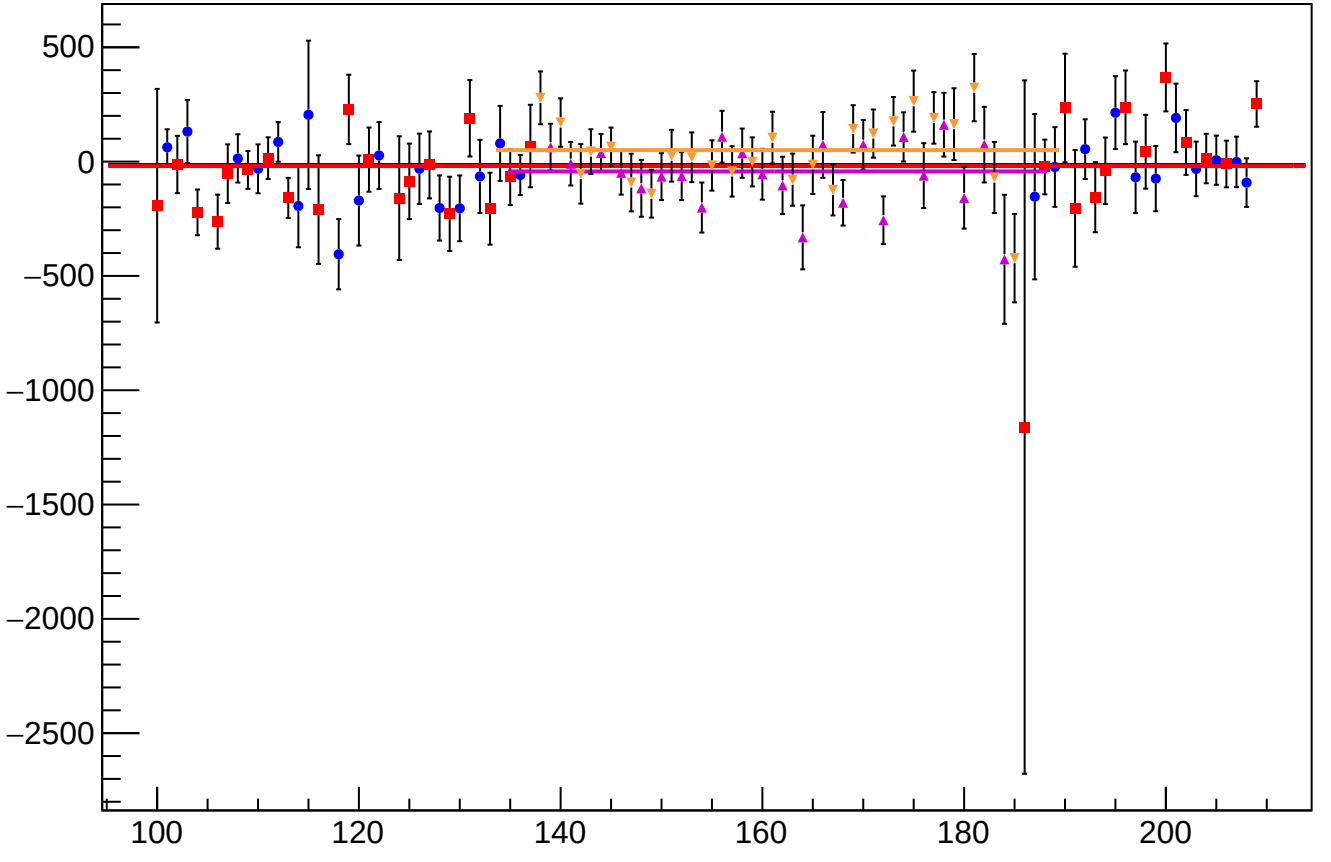
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11812051.1/51

All: 0.000+/-0.000 χ^2/NDF: 25149039.8/106

- sign 0.000+/-0.000 χ^2/NDF: 13257899.9/54

reg_asym_sam_1548_avg_mean vs Slug



Right In: -14.738+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -19.488+/-23.813 χ^2/NDF: 40.7/31

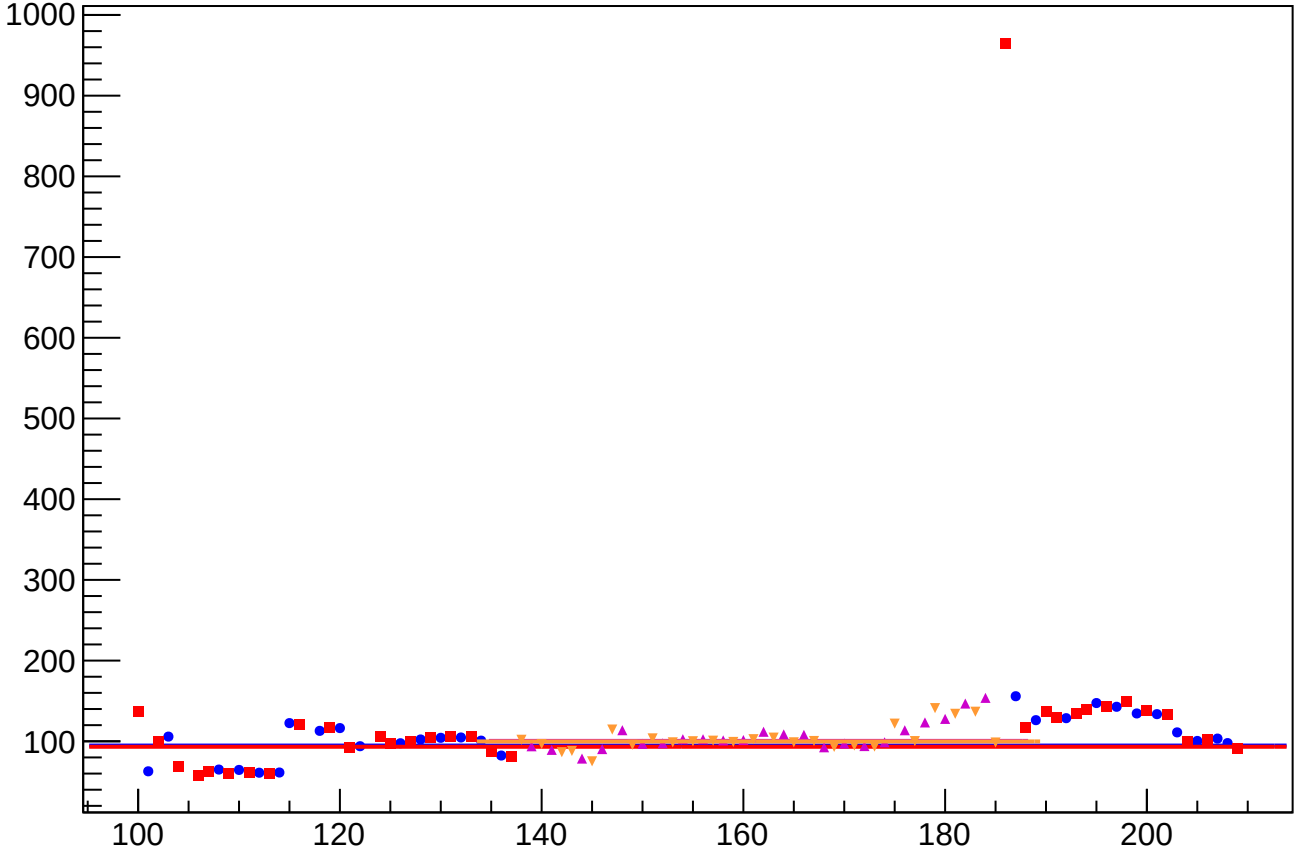
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.297+/-16.848 χ^2/NDF: 58.7/51

All: -5.538+/-11.903 χ^2/NDF: 131.2/106

- sign -31.284+/-16.819 χ^2/NDF: 67.8/54

reg_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF: 2174760.3/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

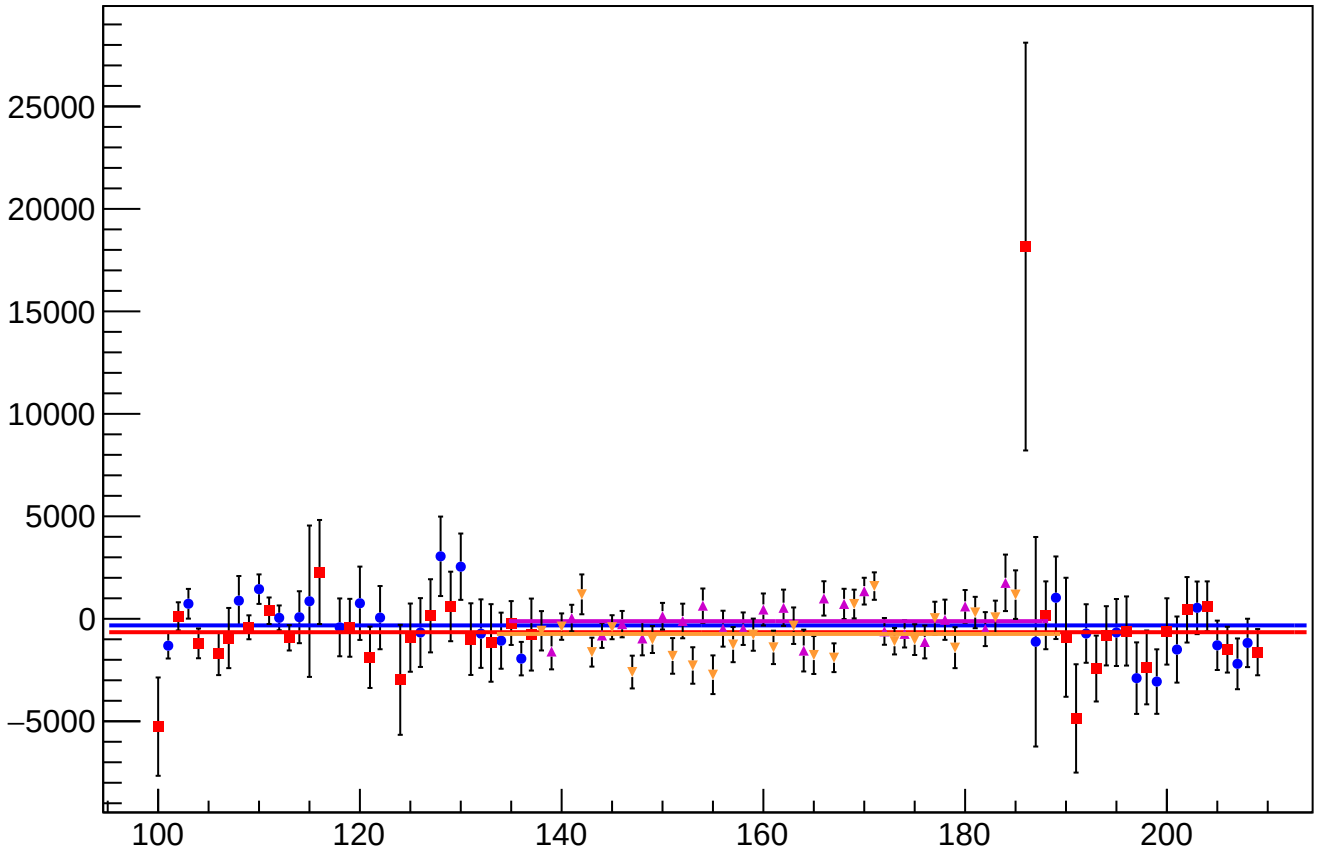
Right Out: 93.222+/-0.017 χ^2/NDF: 3426611.2/31

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 97.475+/-0.012 χ^2/NDF: 2918497.4/51

All: 97.171+/-0.008 χ^2/NDF: 7096838.6/106

\- sign 96.868+/-0.012 χ^2/NDF: 4177043.2/54



Right In: -321.818+/-223.203 χ^2/NDF: 33.4/26

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -653.852+/-209.505 χ^2/NDF: 24.8/31

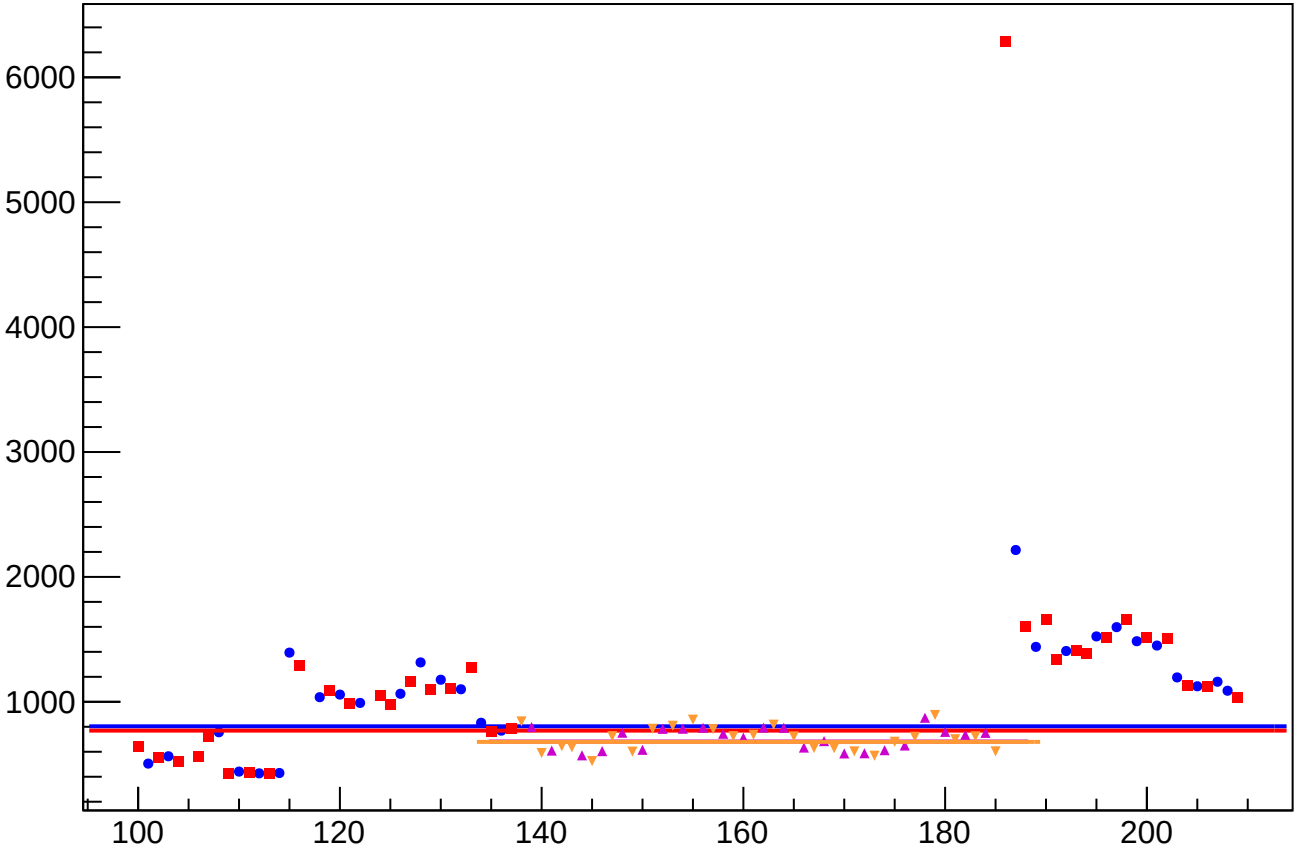
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -601.298+/-128.036 χ^2/NDF: 85.4/51

All: -457.950+/-90.400 χ^2/NDF: 140.6/106

- sign -315.456+/-127.654 χ^2/NDF: 52.7/54

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 803.731+/-0.158 χ^2/NDF: 5489391.1/26

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 769.464+/-0.148 χ^2/NDF: 7346681.7/31

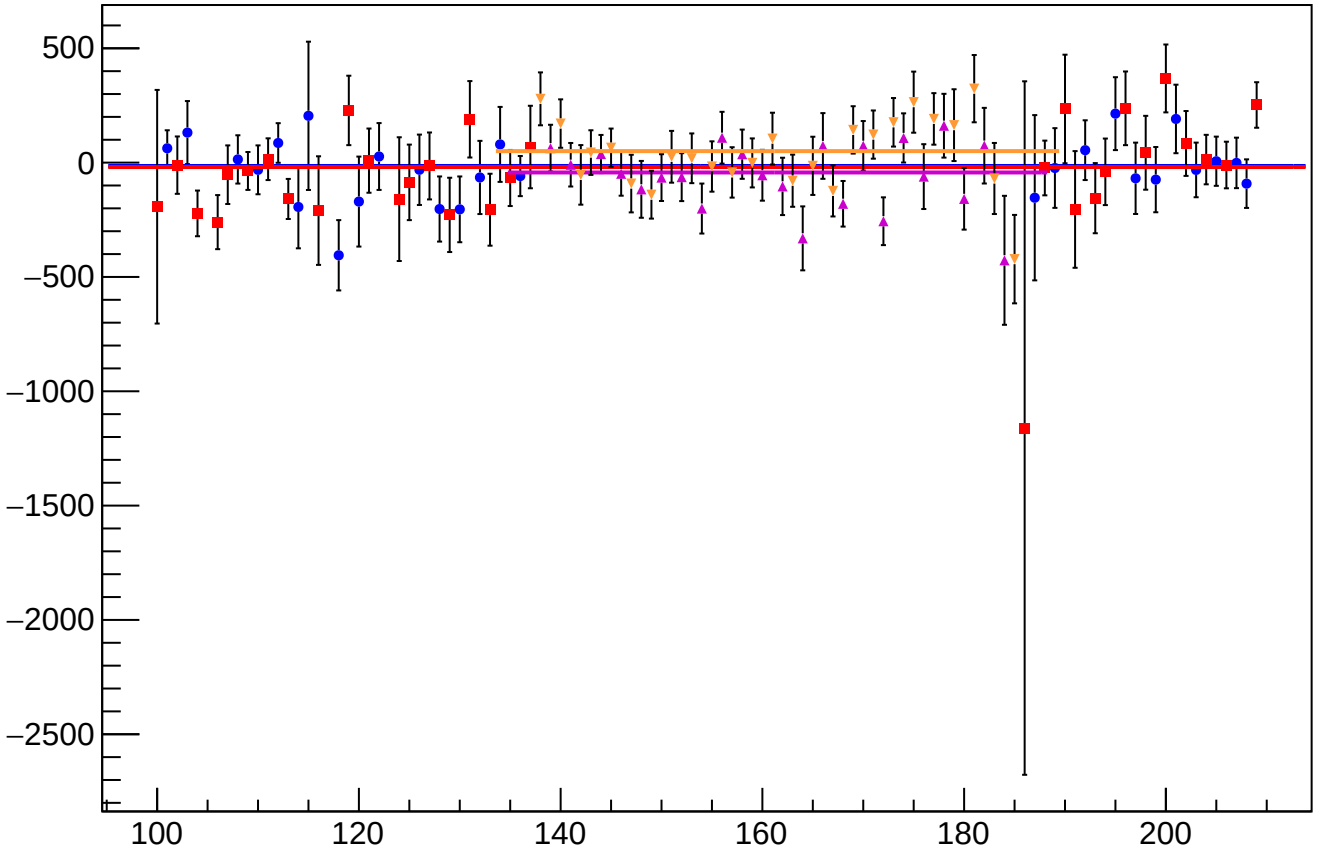
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 720.141+/-0.091 χ^2/NDF: 6644876.0/51

All: 717.264+/-0.064 χ^2/NDF: 14787085.8/10

- sign 714.405+/-0.090 χ^2/NDF: 8140196.7/54

cor_asym_sam_1548_avg_mean vs Slug



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -19.319+/-23.814 χ^2/NDF: 40.6/31

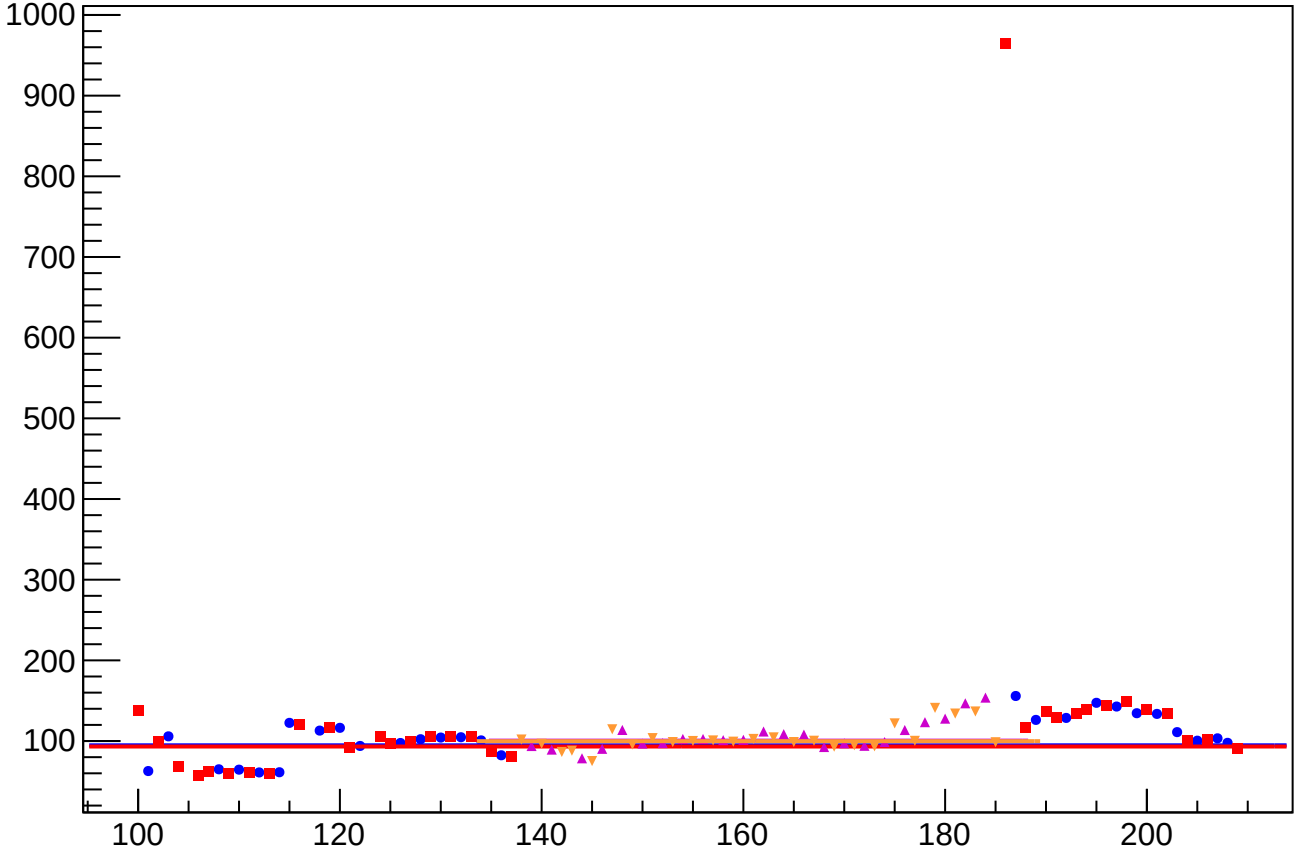
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.300+/-16.848 χ^2/NDF: 58.7/51

All: -5.494+/-11.903 χ^2/NDF: 131.1/106

- sign -31.200+/-16.819 χ^2/NDF: 67.7/54

cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.211+/-0.017 χ^2/NDF: 3429930.8/31

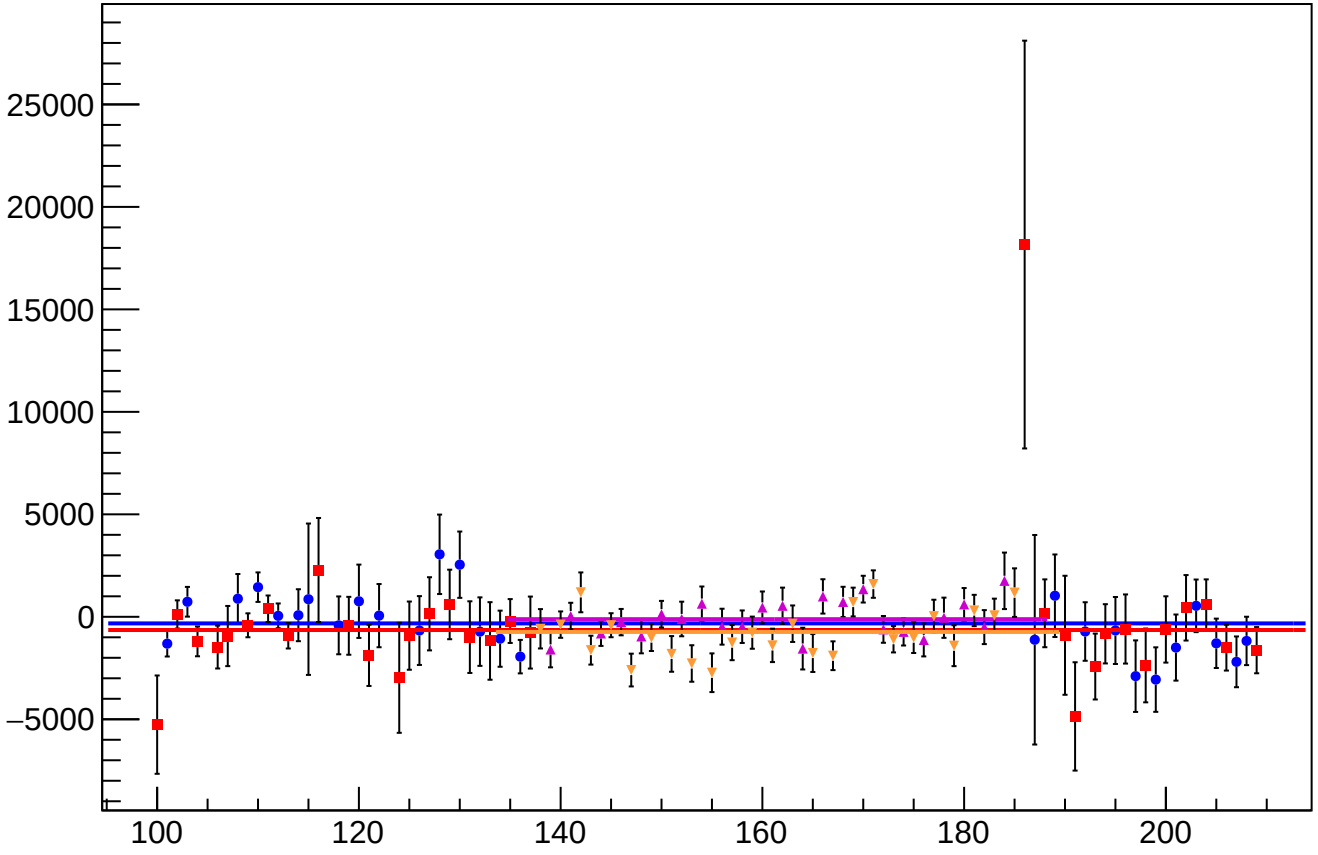
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 97.475+/-0.012 χ^2/NDF: 2918498.4/51

All: 97.168+/-0.008 χ^2/NDF: 7100451.5/106

\- sign 96.863+/-0.012 χ^2/NDF: 4180632.9/54

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -321.842+/-223.205 χ^2/NDF: 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -643.955+/-209.605 χ^2/NDF: 24.4/31

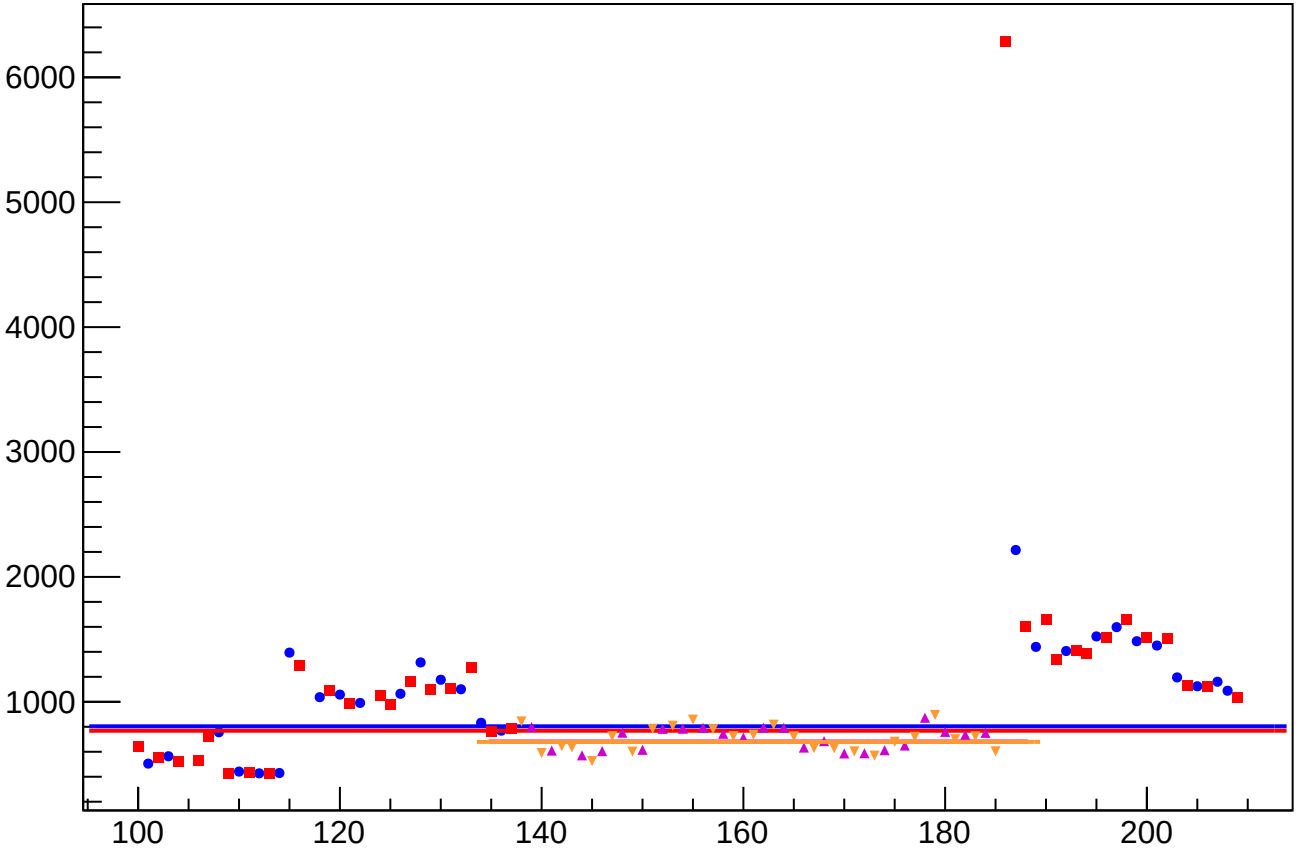
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -601.300+/-128.037 χ^2/NDF: 85.4/51

All: -456.074+/-90.408 χ^2/NDF: 140.1/106

- sign -311.664+/-127.677 χ^2/NDF: 52.1/54

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 768.330+/-0.148 χ^2/NDF: 7372093.9/31

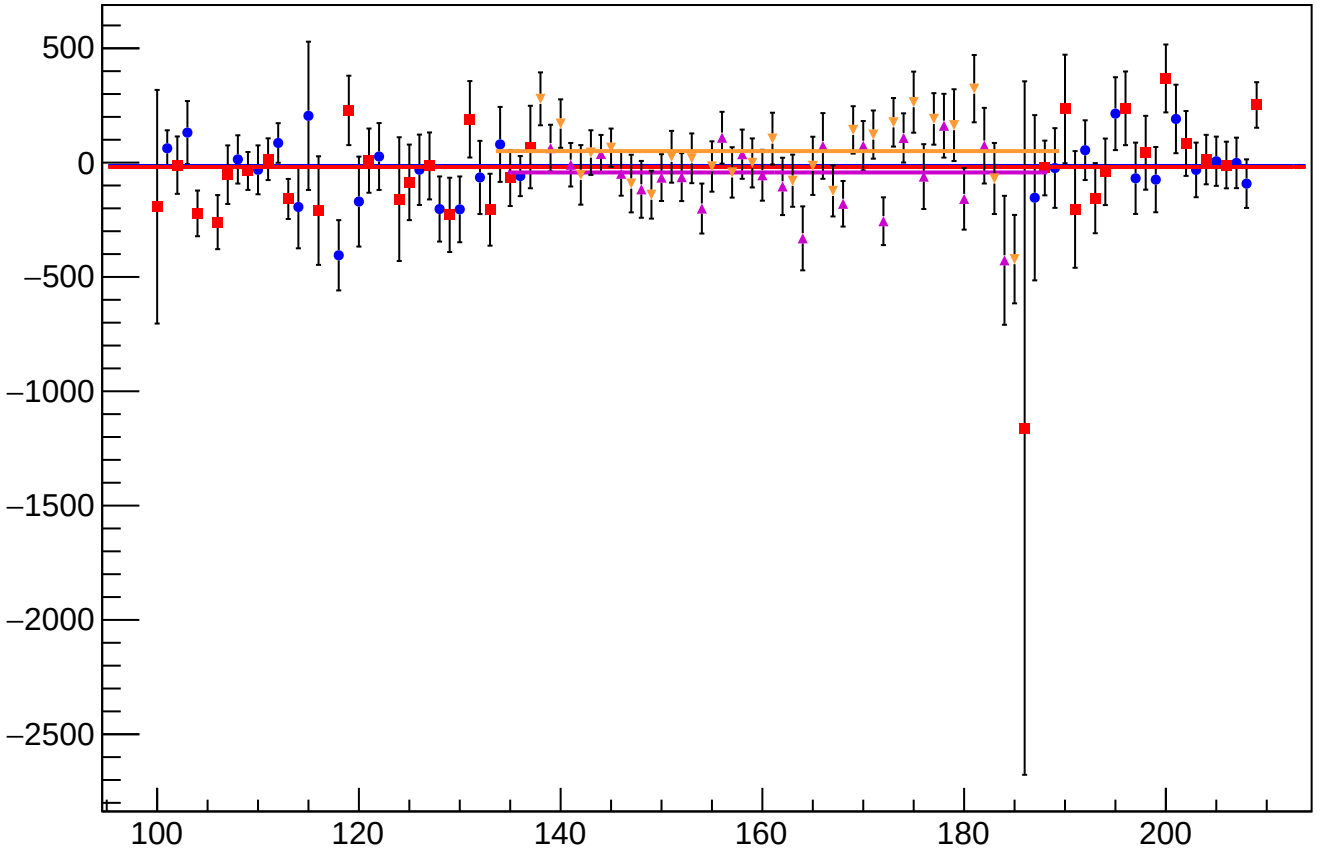
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 720.144+/-0.091 χ^2/NDF: 6644788.5/51

All: 717.045+/-0.064 χ^2/NDF: 14806947.7/10

- sign 713.964+/-0.090 χ^2/NDF: 8159823.3/54

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -19.319+/-23.814 χ^2/NDF: 40.6/31

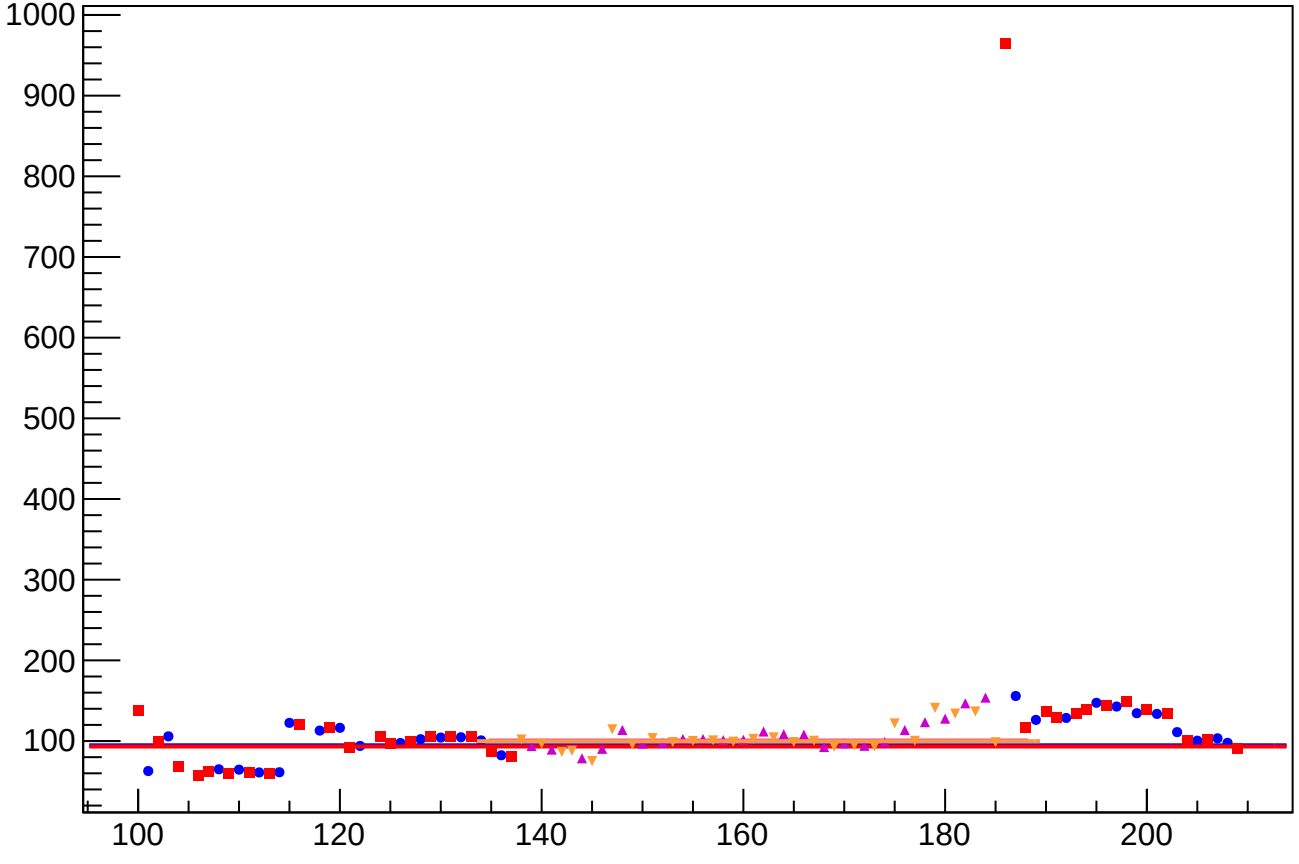
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.300+/-16.848 χ^2/NDF: 58.7/51

All: -5.494+/-11.903 χ^2/NDF: 131.1/106

- sign -31.200+/-16.819 χ^2/NDF: 67.7/54

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

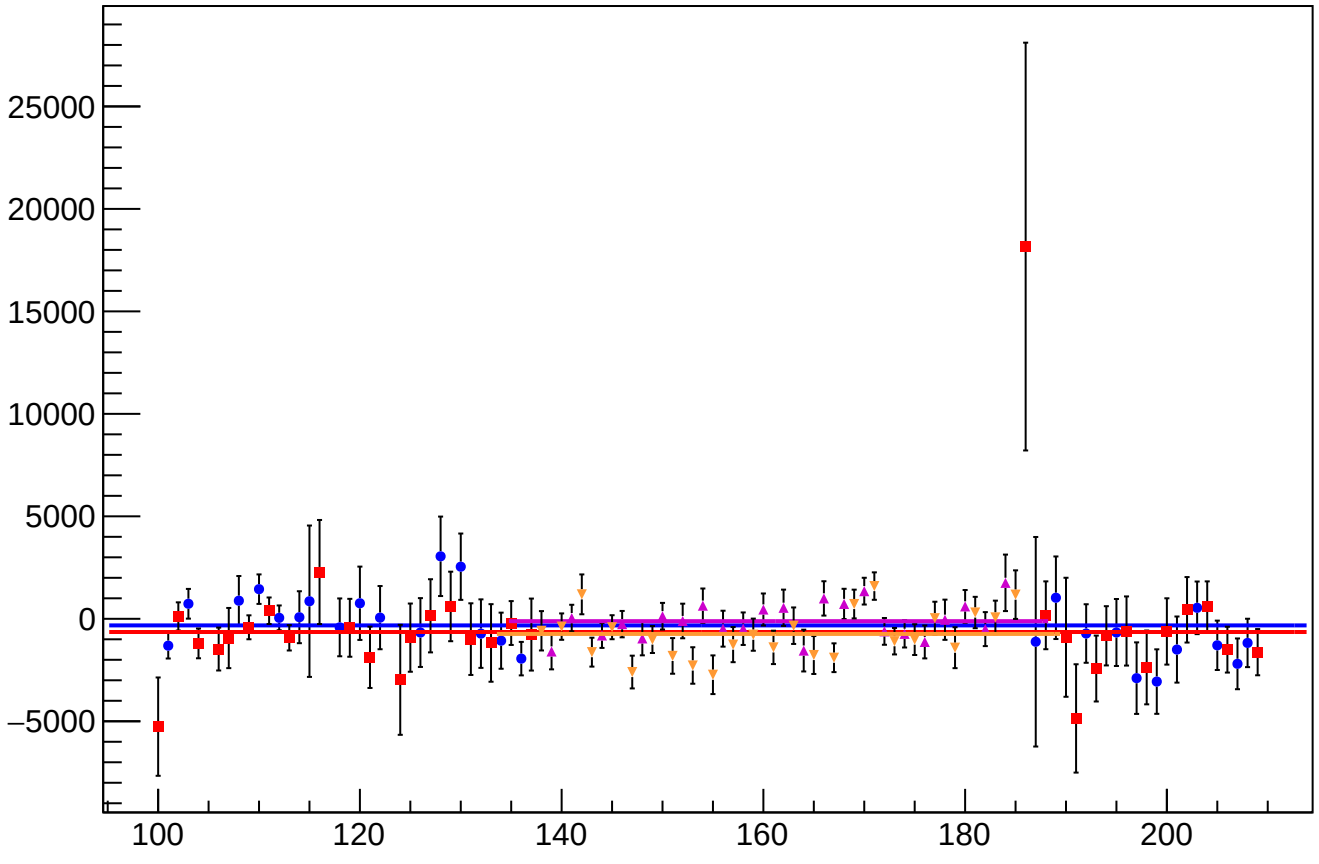
Right Out: 93.211+/-0.017 χ^2/NDF: 3429930.8/31

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.475+/-0.012 χ^2/NDF: 2918498.4/51

All: 97.168+/-0.008 χ^2/NDF: 7100451.5/106

- sign 96.863+/-0.012 χ^2/NDF: 4180632.9/54



Right In: -321.842+/-223.205 χ^2/NDF: 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

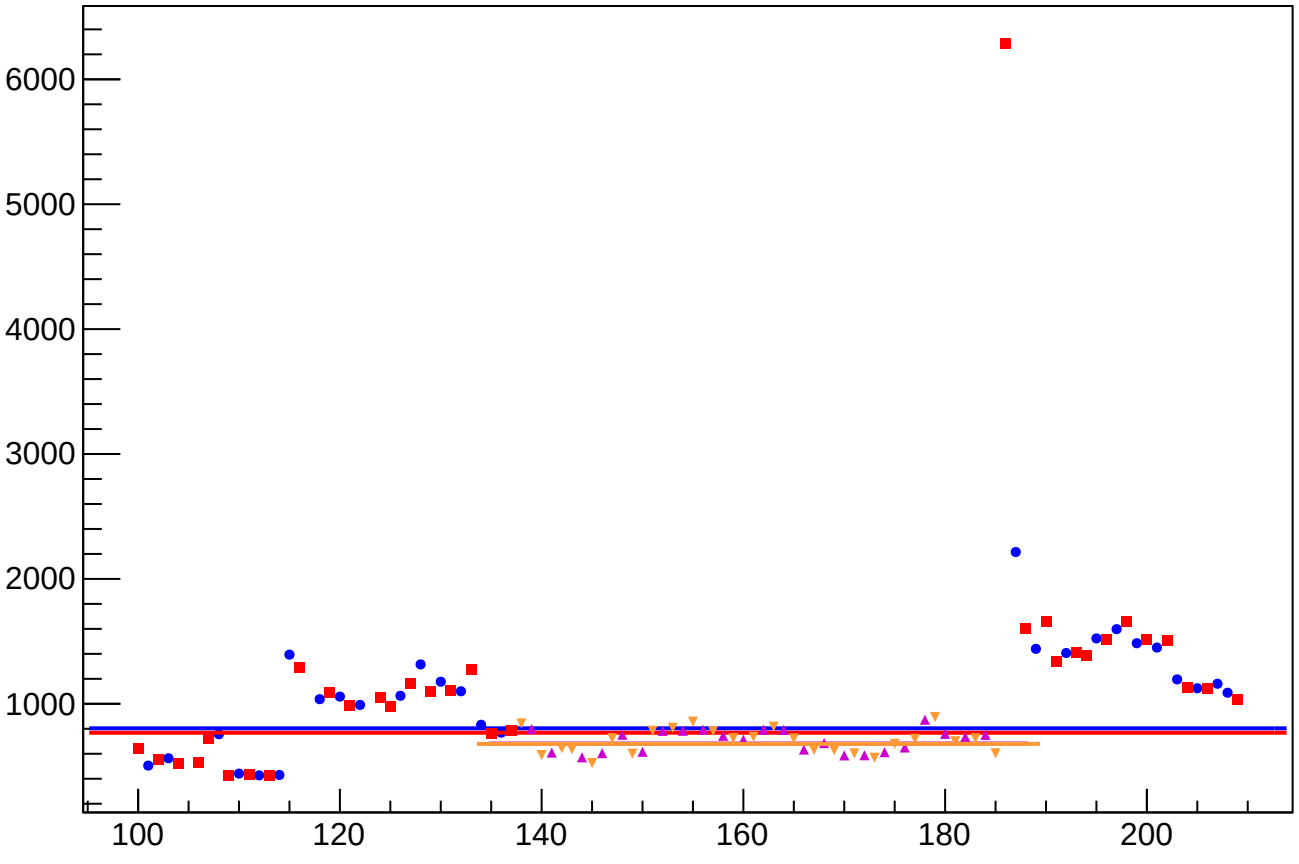
Right Out: -643.955+/-209.605 χ^2/NDF: 24.4/31

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -601.300+/-128.037 χ^2/NDF: 85.4/51

All: -456.074+/-90.408 χ^2/NDF: 140.1/106

- sign -311.664+/-127.677 χ^2/NDF: 52.1/54



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 768.330+/-0.148 χ^2/NDF: 7372093.9/31

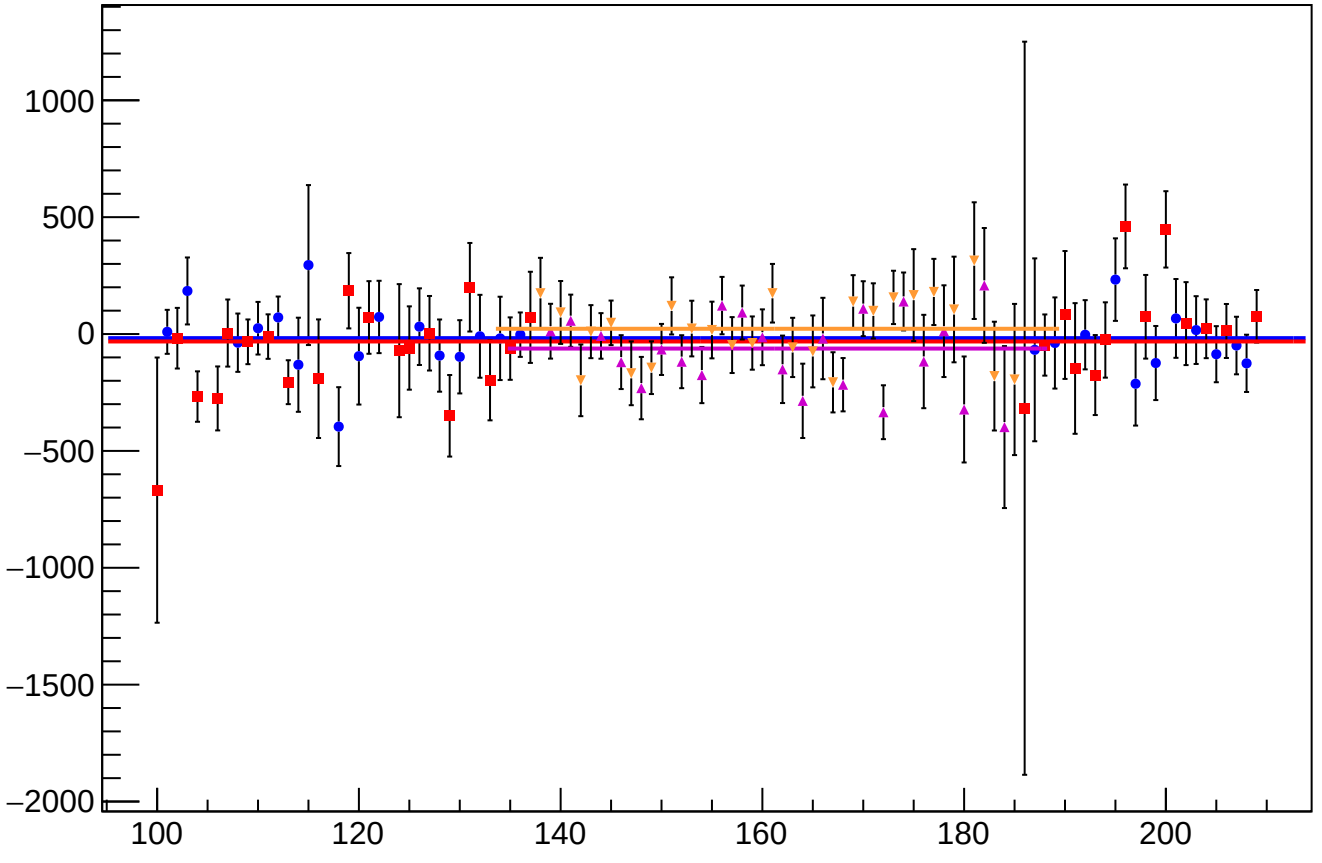
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 720.144+/-0.091 χ^2/NDF: 6644788.5/51

All: 717.045+/-0.064 χ^2/NDF: 14806947.7/10

- sign 713.964+/-0.090 χ^2/NDF: 8159823.3/54

dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.568+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -31.786+/-26.301 χ^2/NDF: 40.6/31

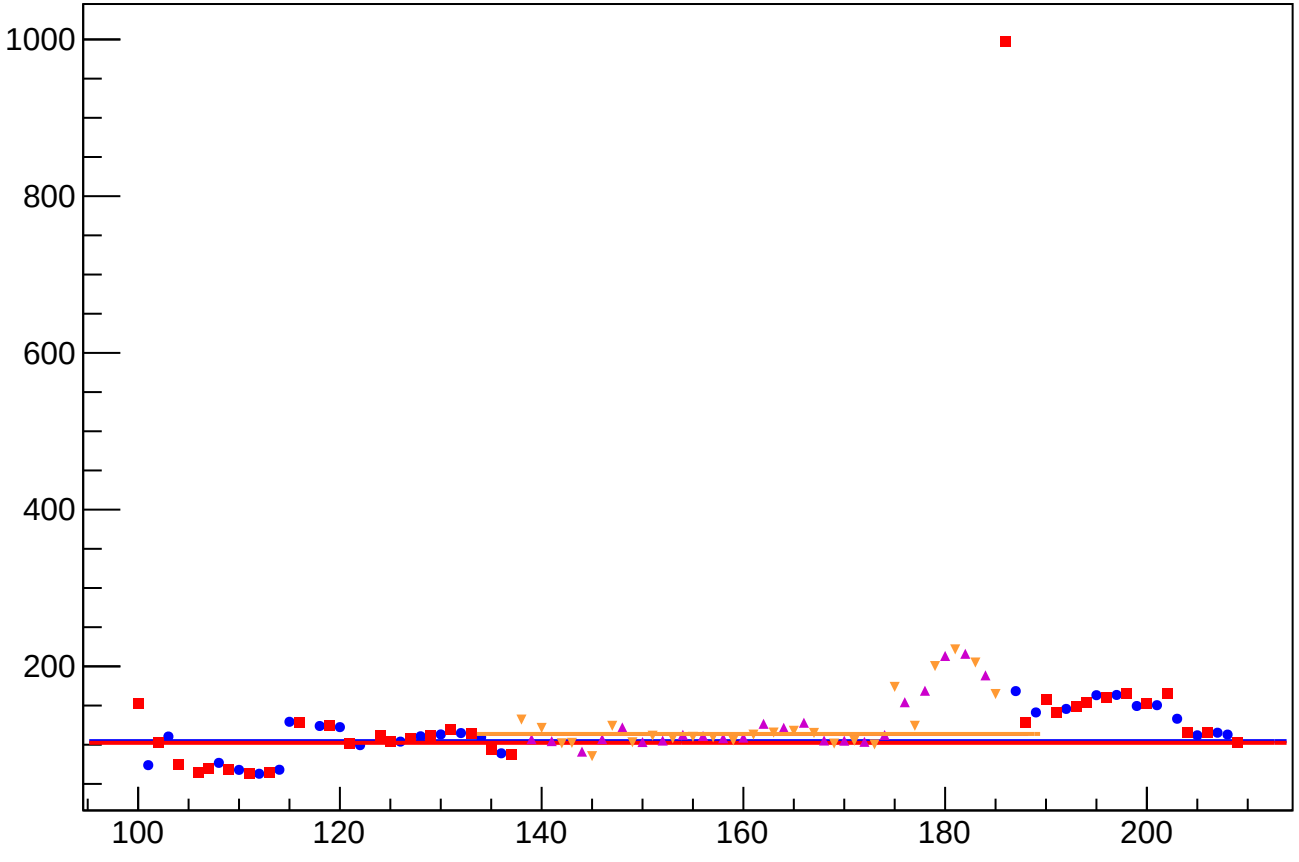
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 3.111+/-19.130 χ^2/NDF: 38.4/51

All: -21.869+/-13.464 χ^2/NDF: 110.4/106

- sign -46.390+/-18.954 χ^2/NDF: 68.6/54

dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.583+/-0.019 χ^2/NDF: 2284957.5/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 102.428+/-0.019 χ^2/NDF: 3585818.0/31

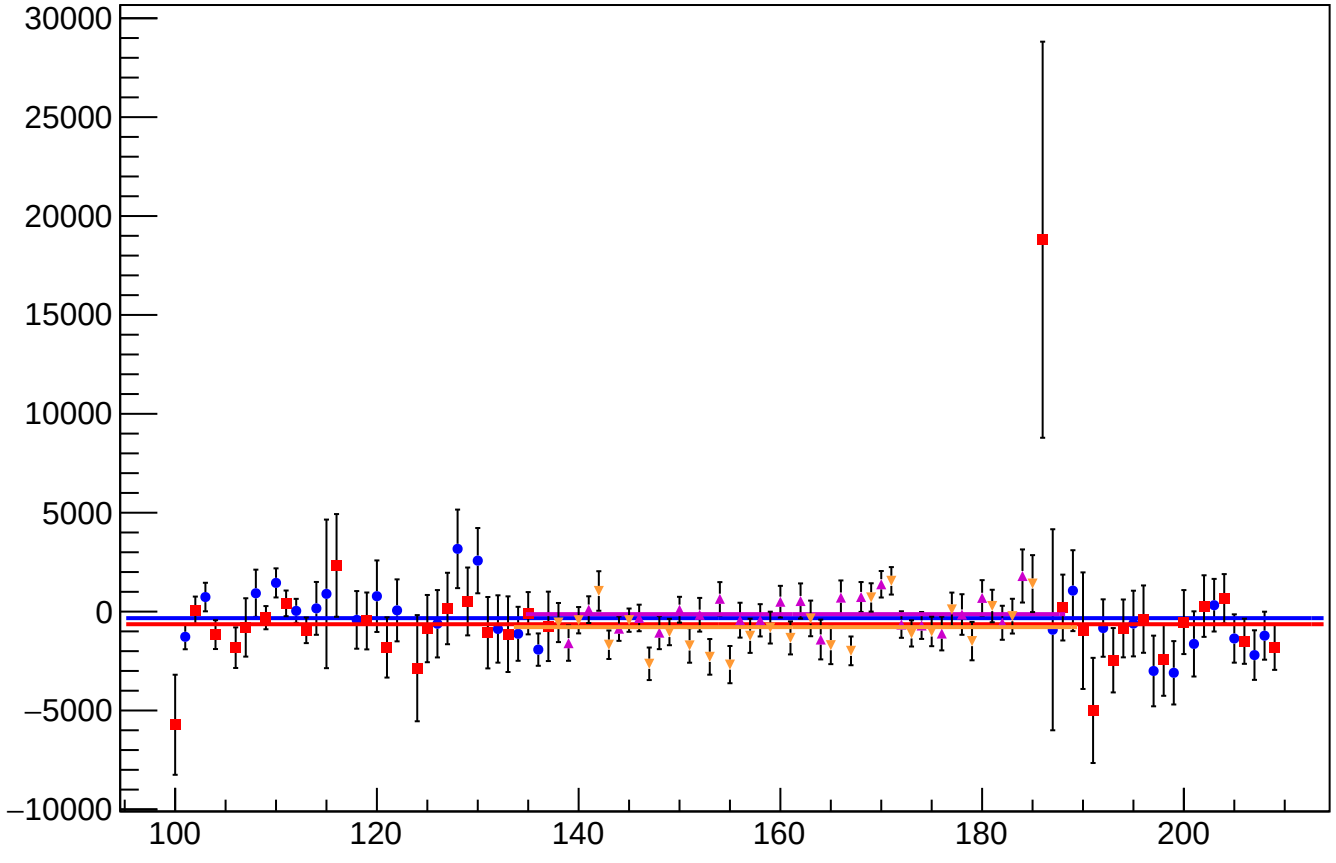
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 109.317+/-0.014 χ^2/NDF: 3979974.2/51

All: 108.569+/-0.010 χ^2/NDF: 9063739.5/106

- sign 107.835+/-0.013 χ^2/NDF: 5077703.4/54

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -638.101+/-211.913 χ^2/NDF: 25.8/31

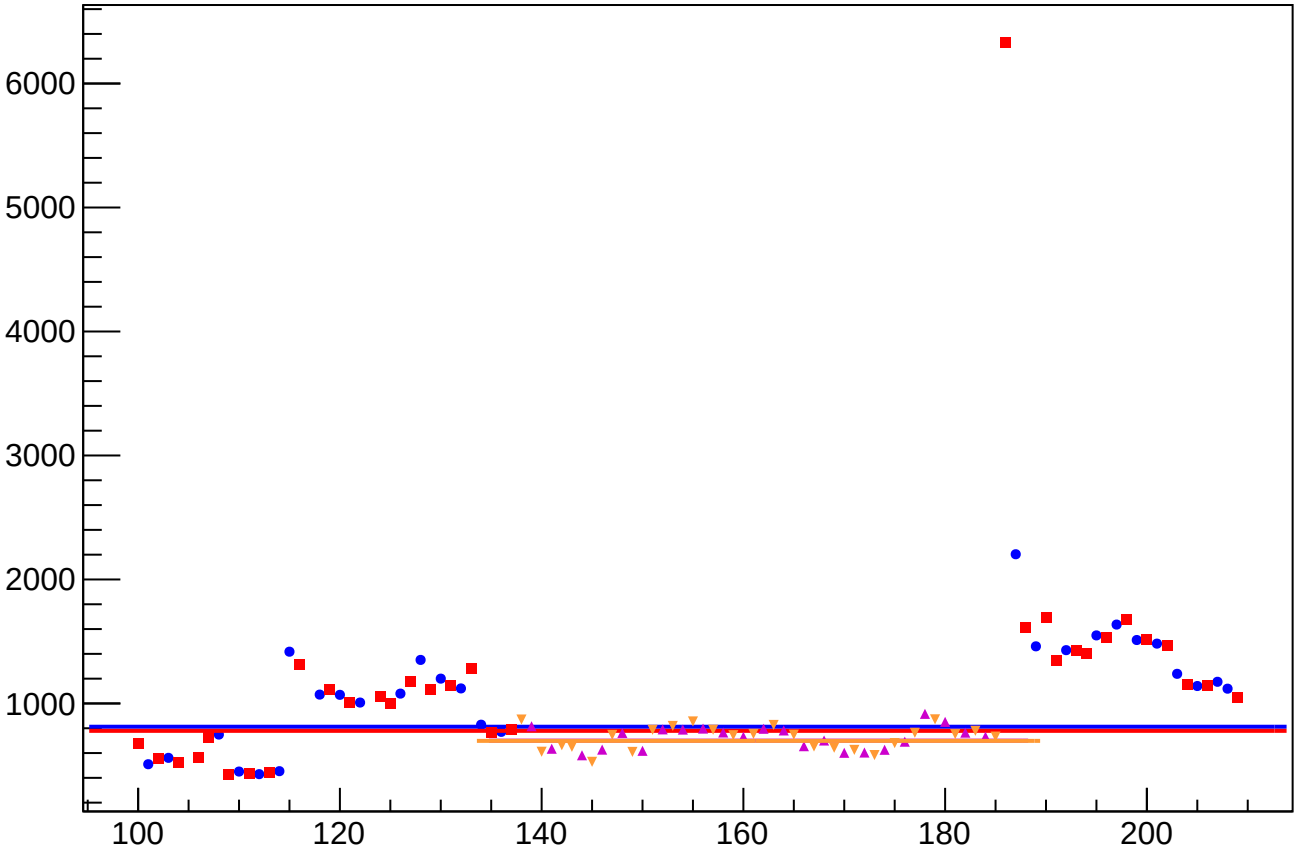
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -632.135+/-130.826 χ^2/NDF: 81.2/51

All: -475.957+/-92.327 χ^2/NDF: 136.2/106

- sign -320.996+/-130.315 χ^2/NDF: 52.2/54

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 812.294+/-0.160 χ^2/NDF: 5583020.3/26

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 779.114+/-0.150 χ^2/NDF: 7319150.6/31

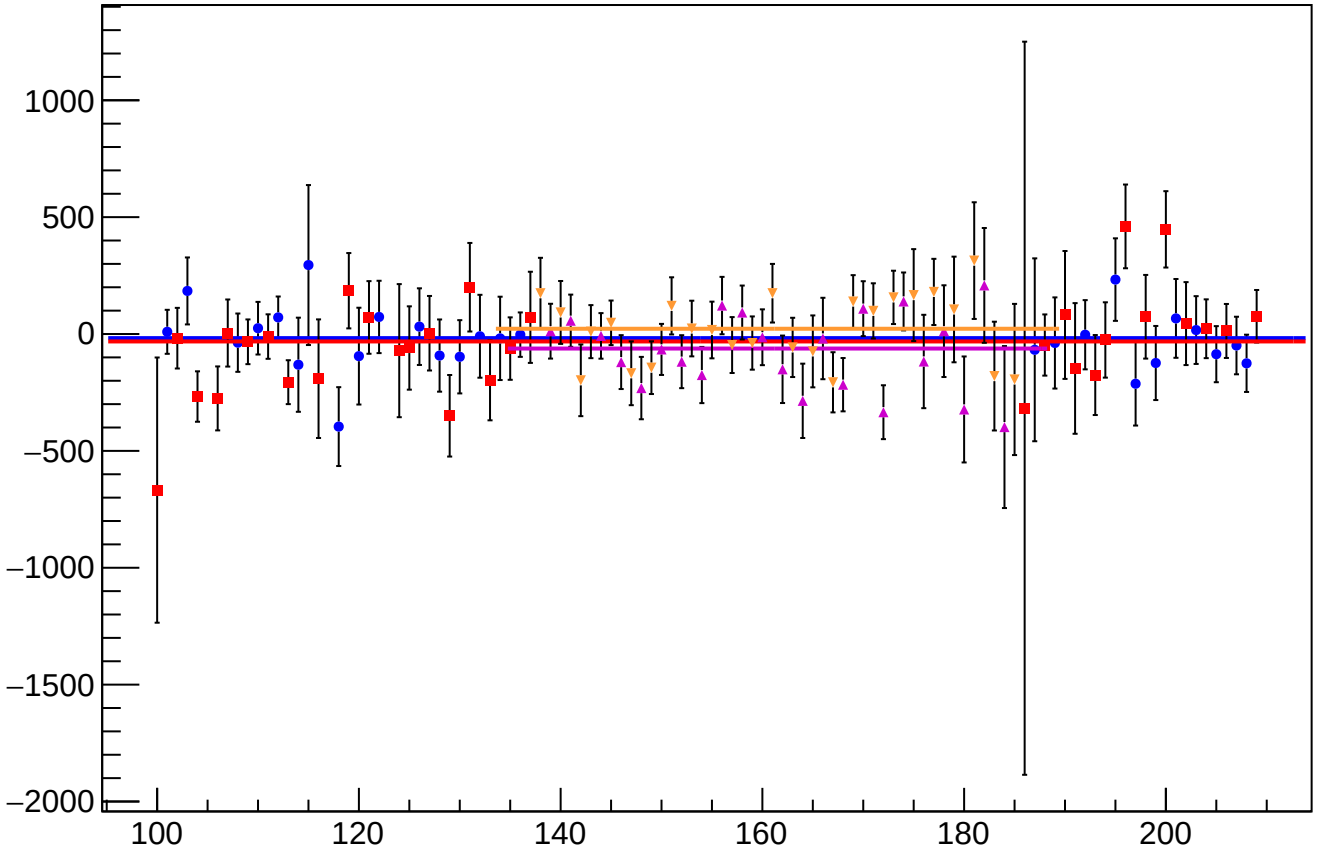
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 736.496+/-0.093 χ^2/NDF: 6636575.9/51

All: 733.219+/-0.065 χ^2/NDF: 14715540.0/10

- sign 729.967+/-0.092 χ^2/NDF: 8076463.8/54

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -17.566+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -31.786+/-26.301 χ^2/NDF: 40.6/31

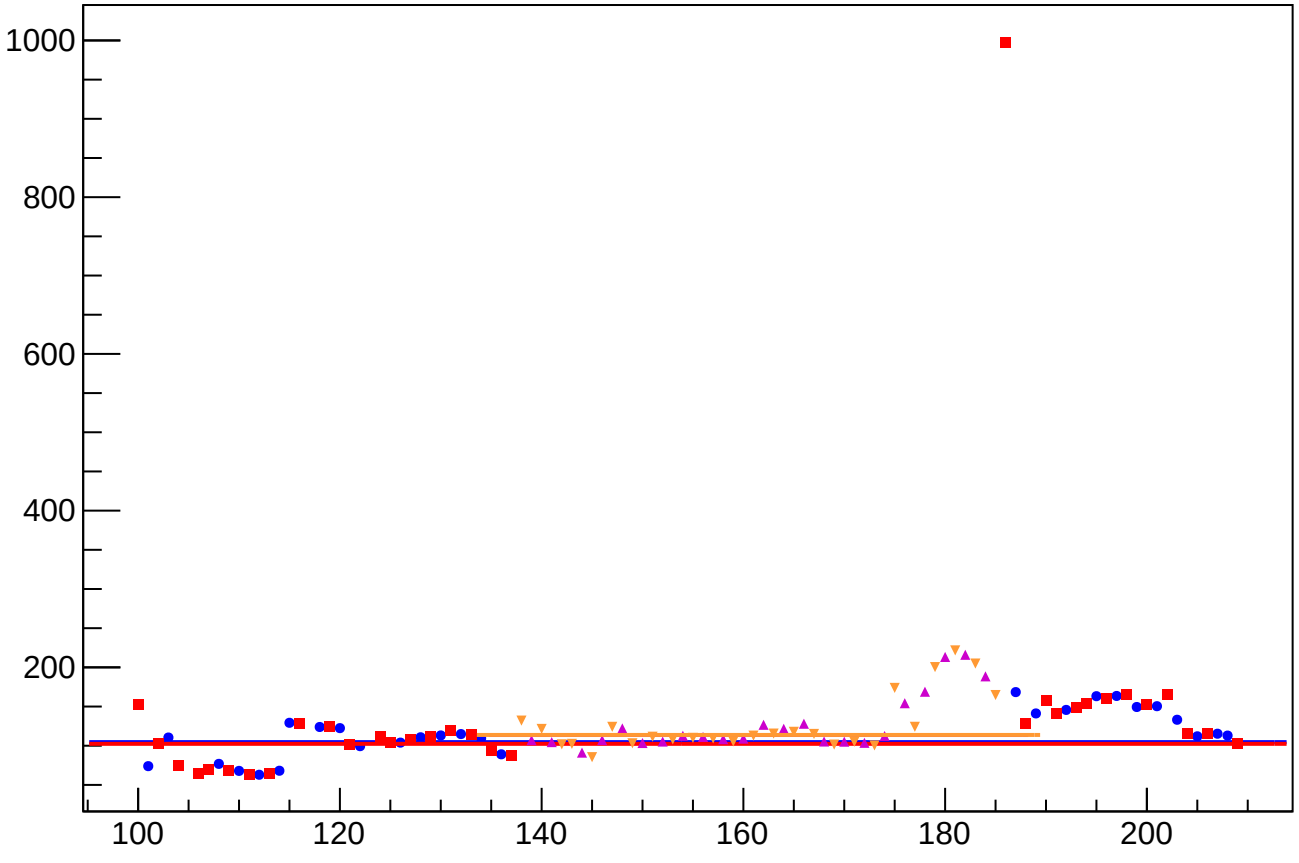
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

\+ sign 3.112+/-19.130 χ^2/NDF: 38.4/51

All: -21.868+/-13.464 χ^2/NDF: 110.4/106

\- sign -46.390+/-18.954 χ^2/NDF: 68.6/54

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 104.583+/-0.019 χ^2/NDF: 2284944.2/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

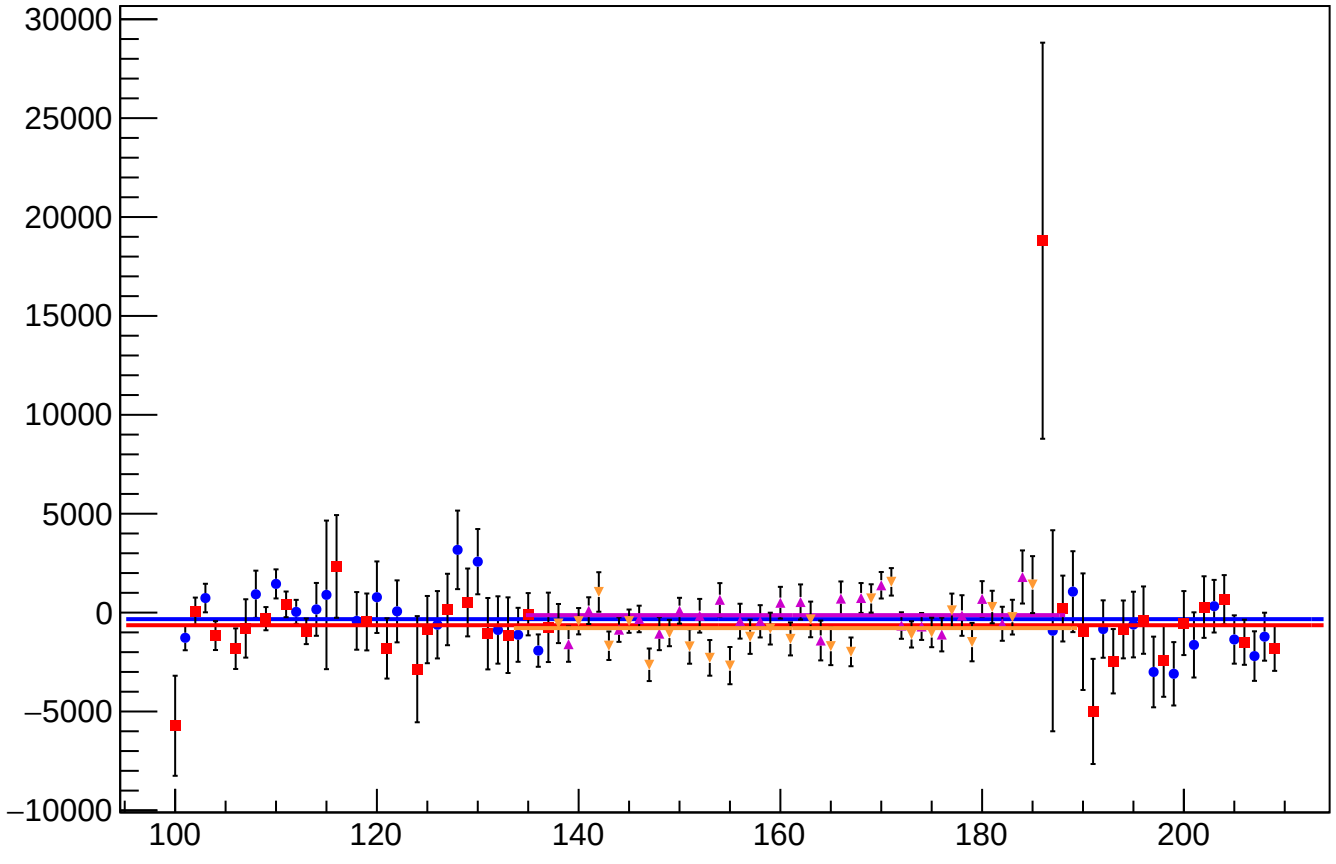
Right Out: 102.428+/-0.019 χ^2/NDF: 3585822.4/31

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 109.317+/-0.014 χ^2/NDF: 3979956.2/51

All: 108.569+/-0.010 χ^2/NDF: 9063710.8/106

- sign 107.835+/-0.013 χ^2/NDF: 5077693.0/54



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -638.100+/-211.913 χ^2/NDF: 25.8/31

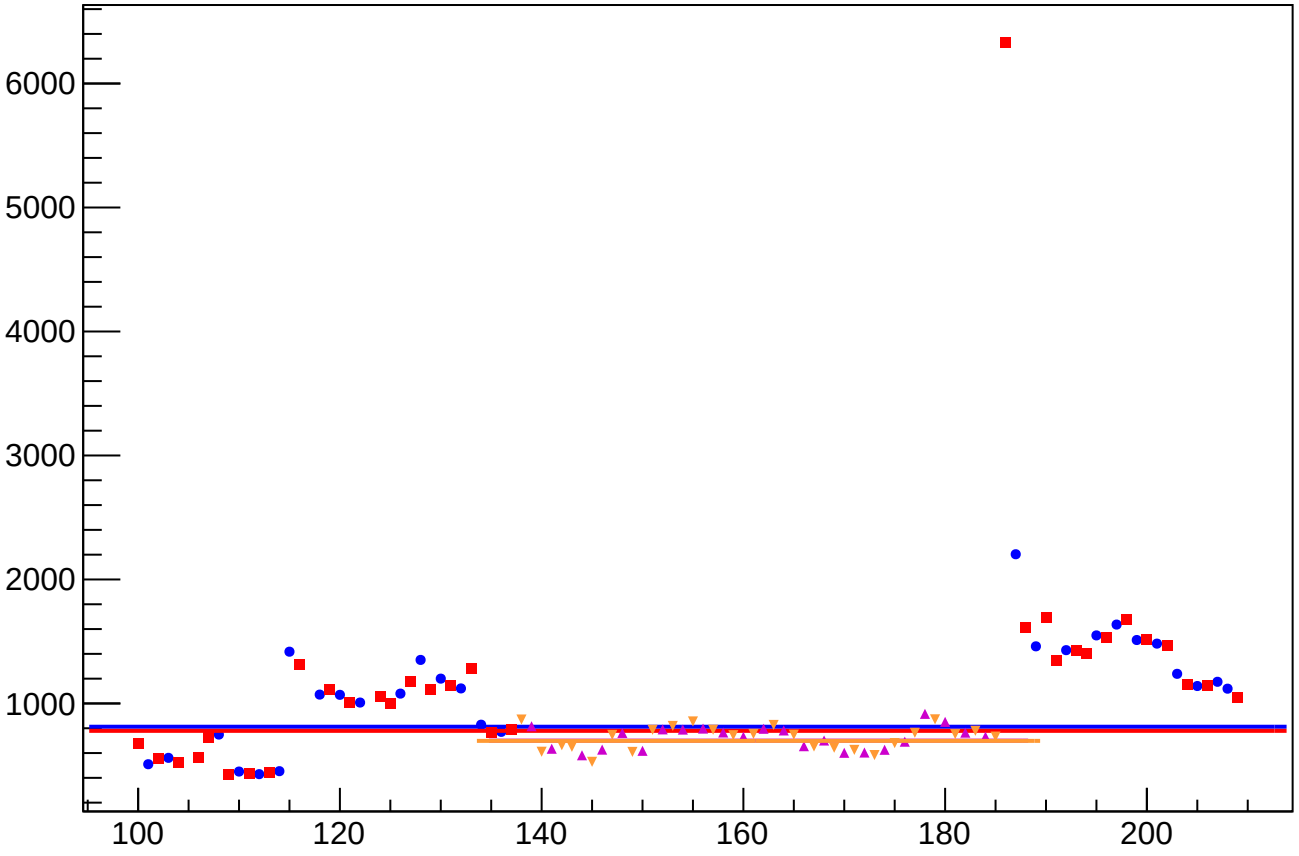
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -632.134+/-130.826 χ^2/NDF: 81.2/51

All: -475.956+/-92.327 χ^2/NDF: 136.2/106

- sign -320.995+/-130.315 χ^2/NDF: 52.2/54

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 812.293+/-0.160 χ^2/NDF: 5583021.6/26

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 779.113+/-0.150 χ^2/NDF: 7319147.3/31

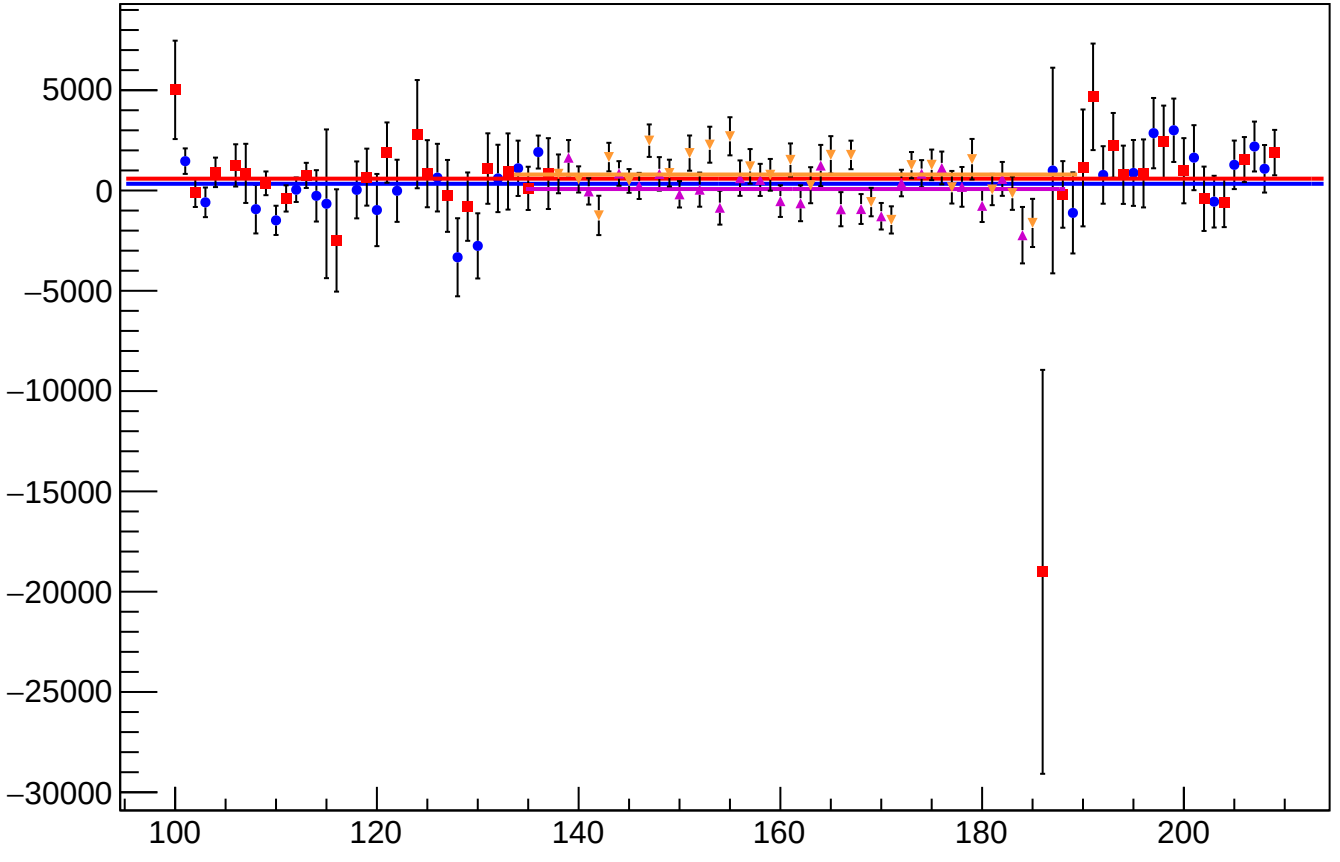
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 736.495+/-0.093 χ^2/NDF: 6636575.2/51

All: 733.218+/-0.065 χ^2/NDF: 14715530.7/10

- sign 729.966+/-0.092 χ^2/NDF: 8076455.2/54

asym_sam_1548_avg_mean vs Slug



Right In: 334.444+/-225.267 χ^2/NDF: 34.5/26

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 589.849+/-211.485 χ^2/NDF: 23.5/31

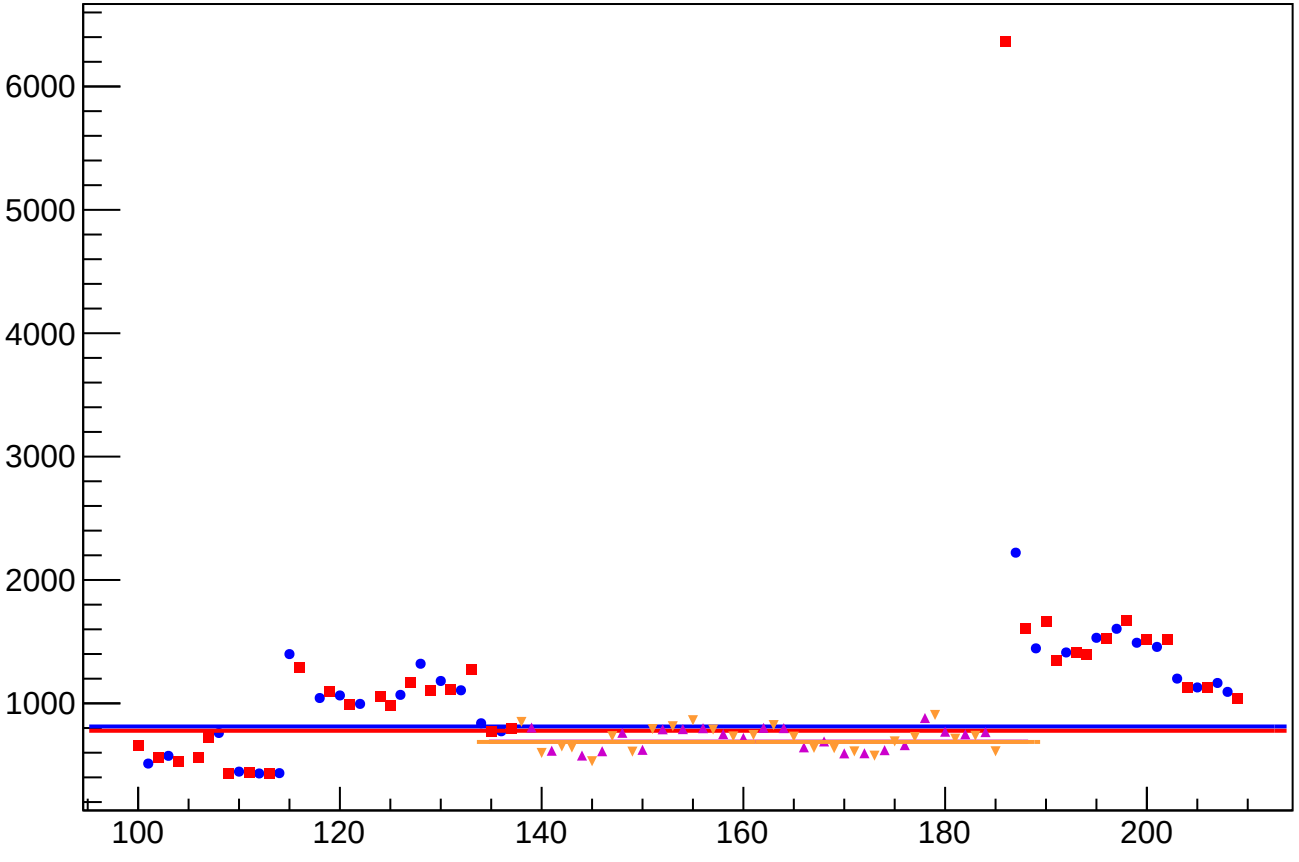
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 644.232+/-129.432 χ^2/NDF: 83.7/51

All: 454.420+/-91.385 χ^2/NDF: 140.2/106

- sign 265.746+/-129.044 χ^2/NDF: 52.2/54

asym_sam_1548_avg_rms vs Slug



Right In: 812.429+/-0.159 χ^2/NDF: 5402960.2/26

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

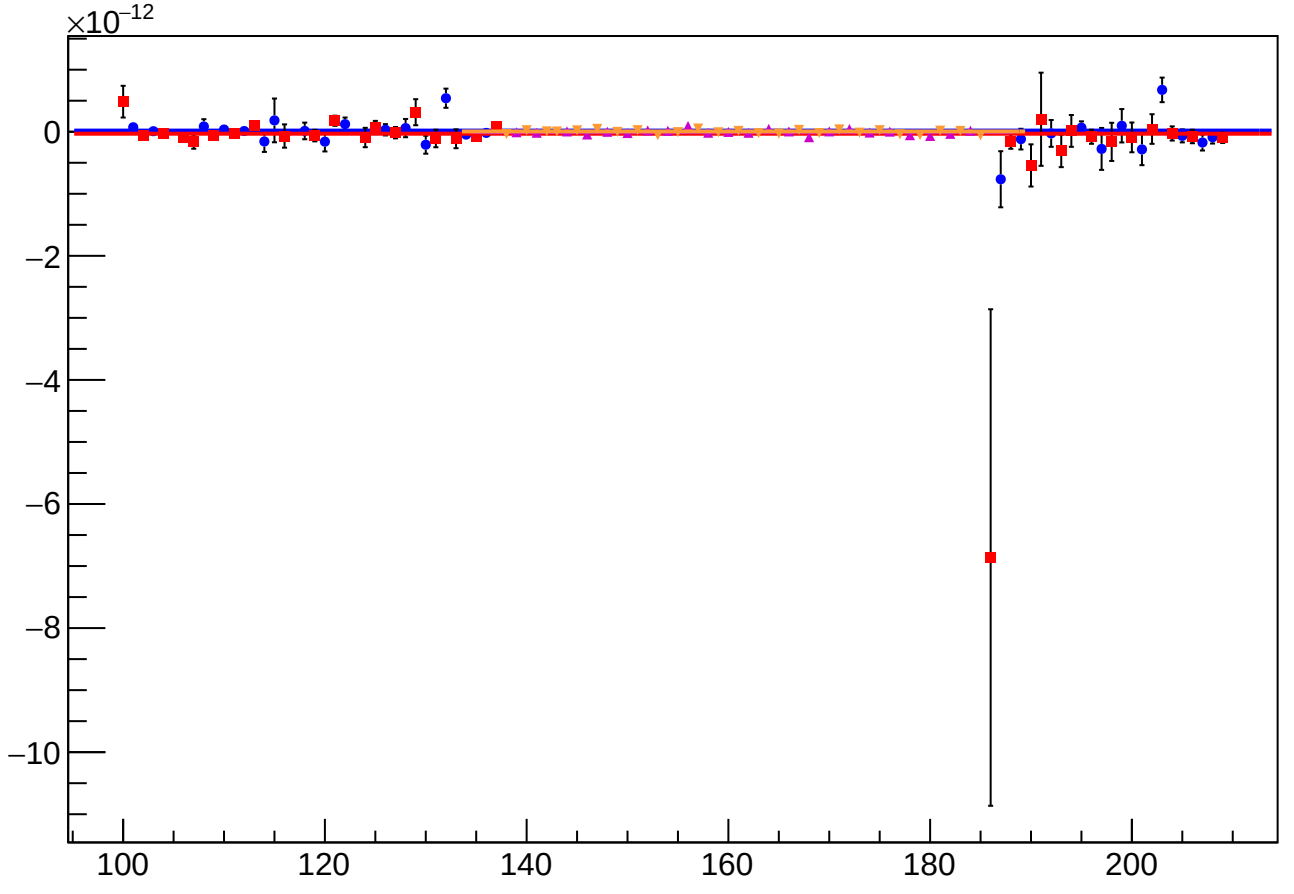
Right Out: 777.773+/-0.150 χ^2/NDF: 7258775.4/31

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 728.571+/-0.092 χ^2/NDF: 6544703.7/51

All: 725.615+/-0.065 χ^2/NDF: 14588901.1/10

- sign 722.677+/-0.091 χ^2/NDF: 8042117.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 44.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

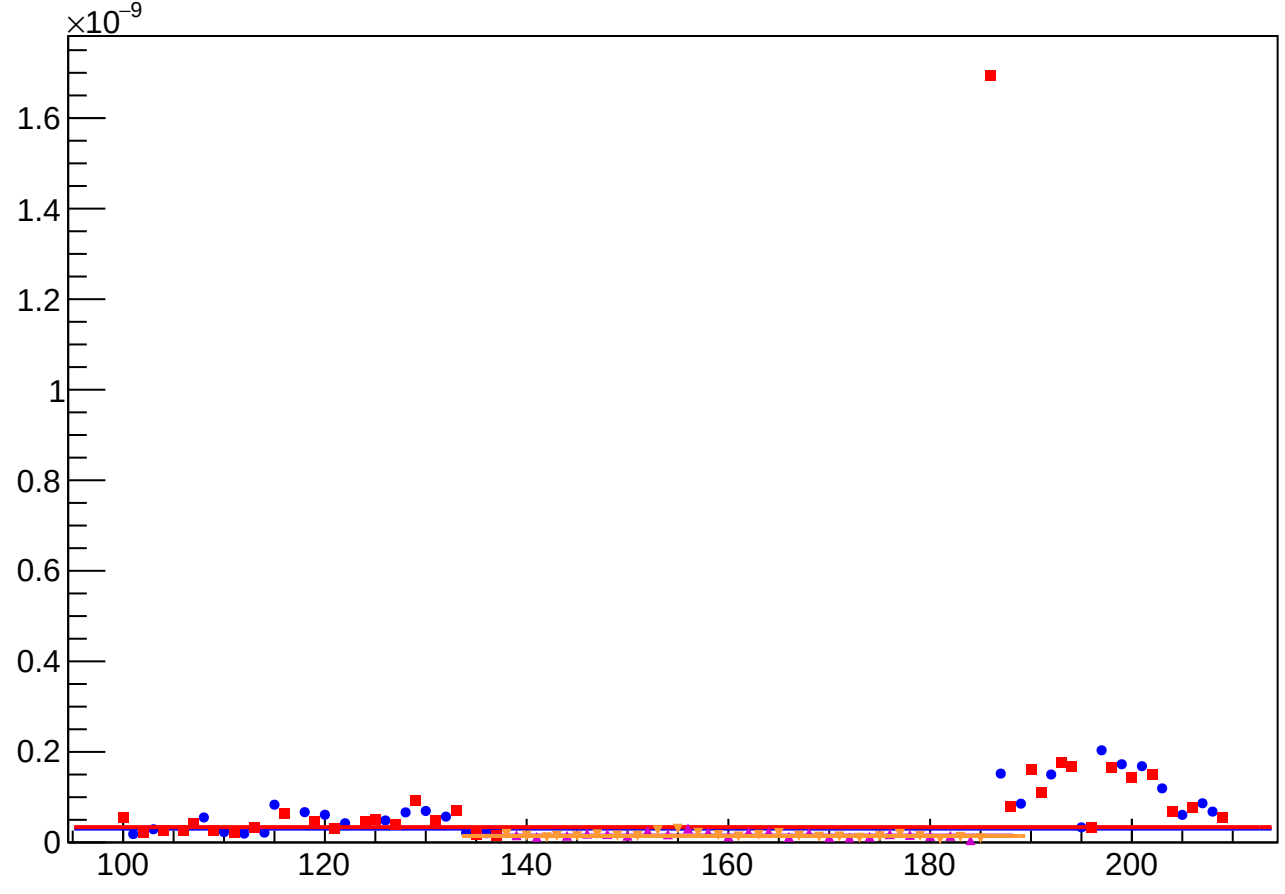
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/31

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.6/51

All: -0.000+/-0.000 χ^2/NDF: 135.8/106

- sign -0.000+/-0.000 χ^2/NDF: 63.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 5427676.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5221938.0/31

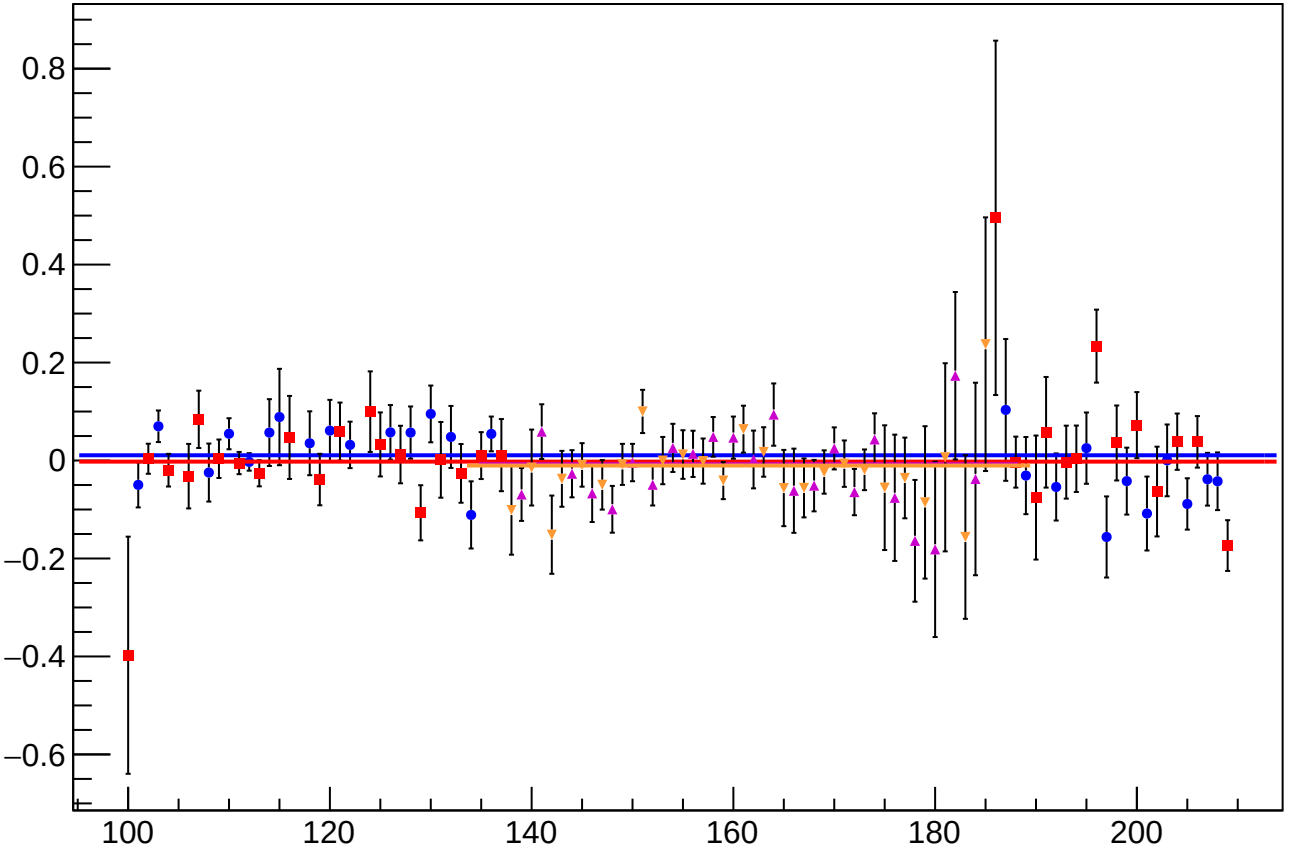
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8619252.8/51

All: 0.000+/-0.000 χ^2/NDF: 17580091.9/106

- sign 0.000+/-0.000 χ^2/NDF: 8904209.1/54

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 40.2/31

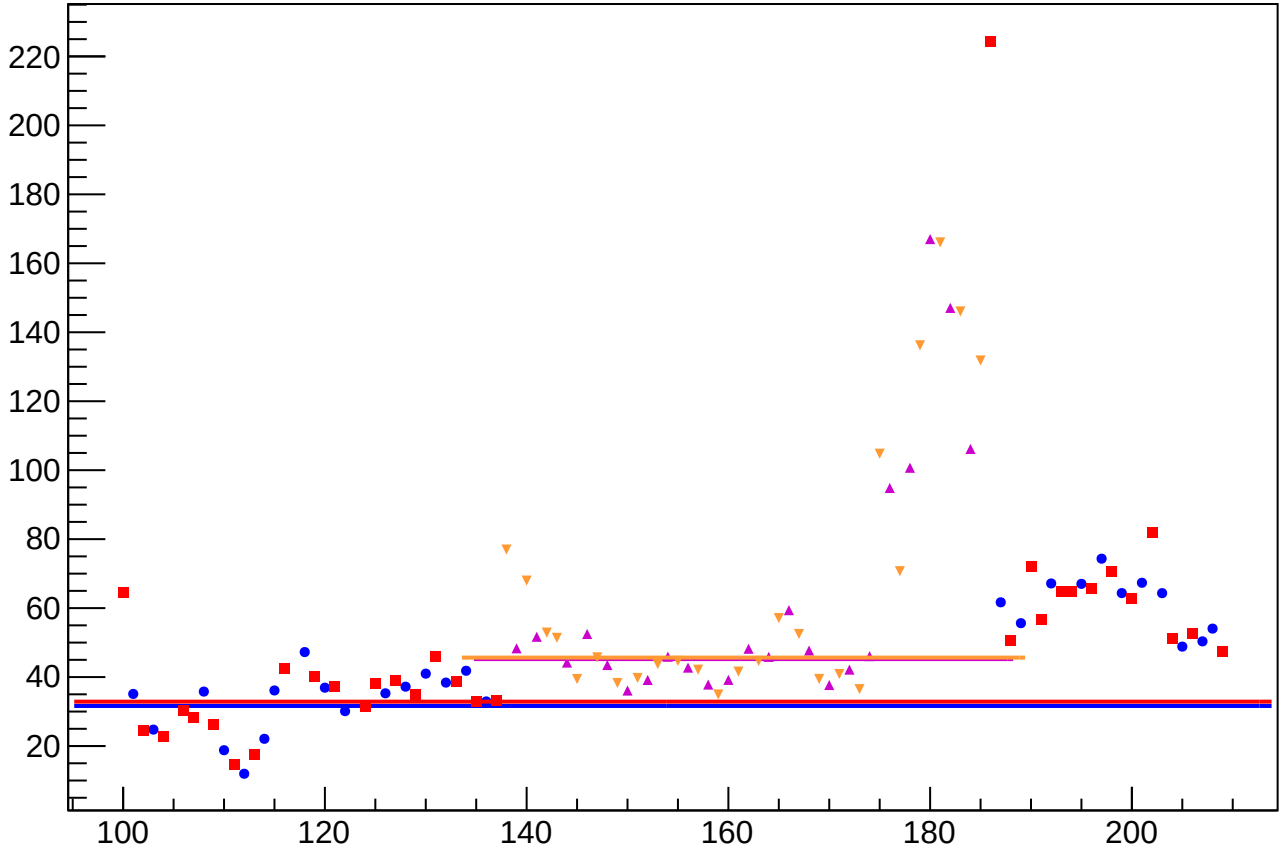
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.002+/-0.007 χ^2/NDF: 52.8/51

All: -0.001+/-0.005 χ^2/NDF: 116.8/106

- sign -0.004+/-0.007 χ^2/NDF: 63.6/54

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

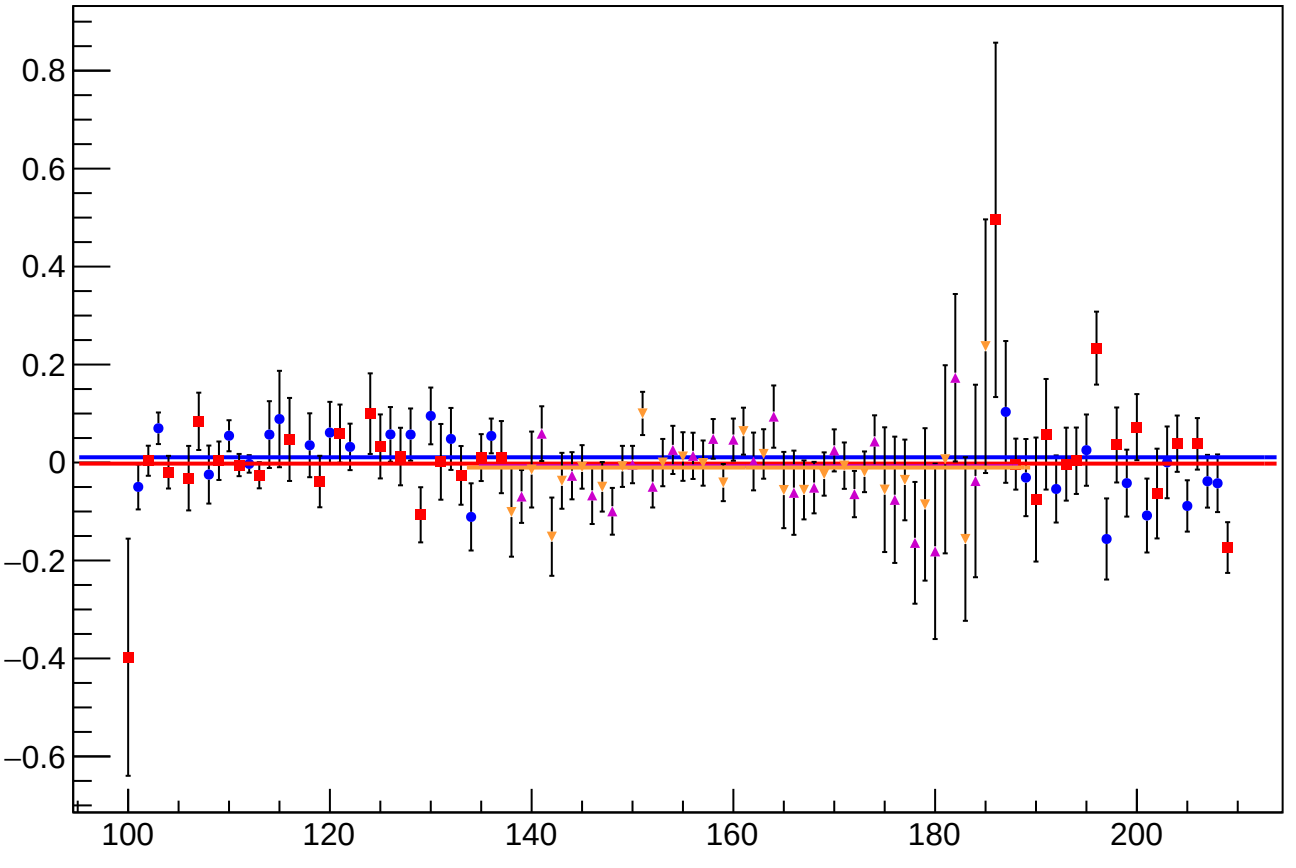
Right Out: 32.873+/-0.006 χ^2/NDF: 6970407.6/31

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920281.8/51

All: 37.484+/-0.004 χ^2/NDF: 24312060.2/106

- sign 37.693+/-0.005 χ^2/NDF: 11388330.0/54



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

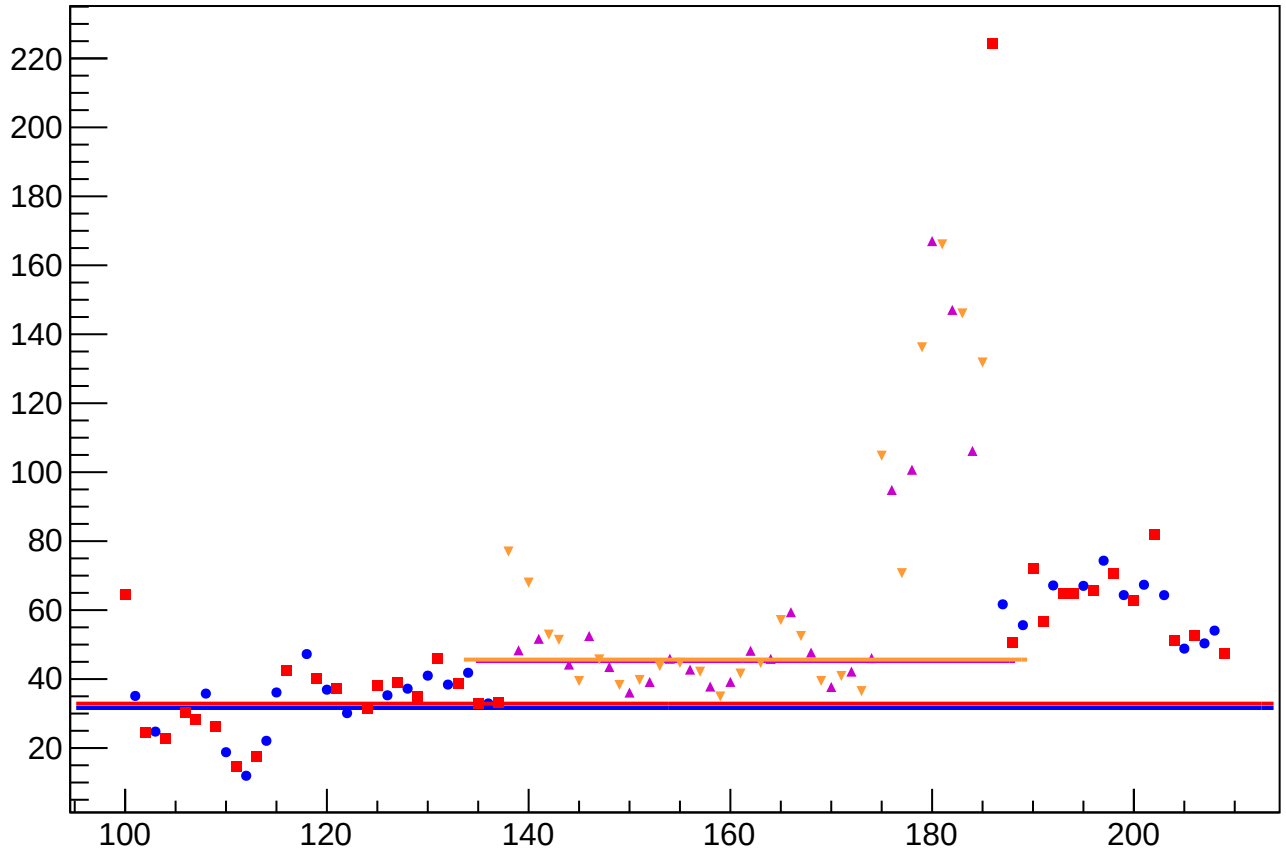
Right Out: -0.002+/-0.009 χ^2/NDF: 40.2/31

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.002+/-0.007 χ^2/NDF: 52.8/51

All: -0.001+/-0.005 χ^2/NDF: 116.8/106

- sign -0.004+/-0.007 χ^2/NDF: 63.6/54



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

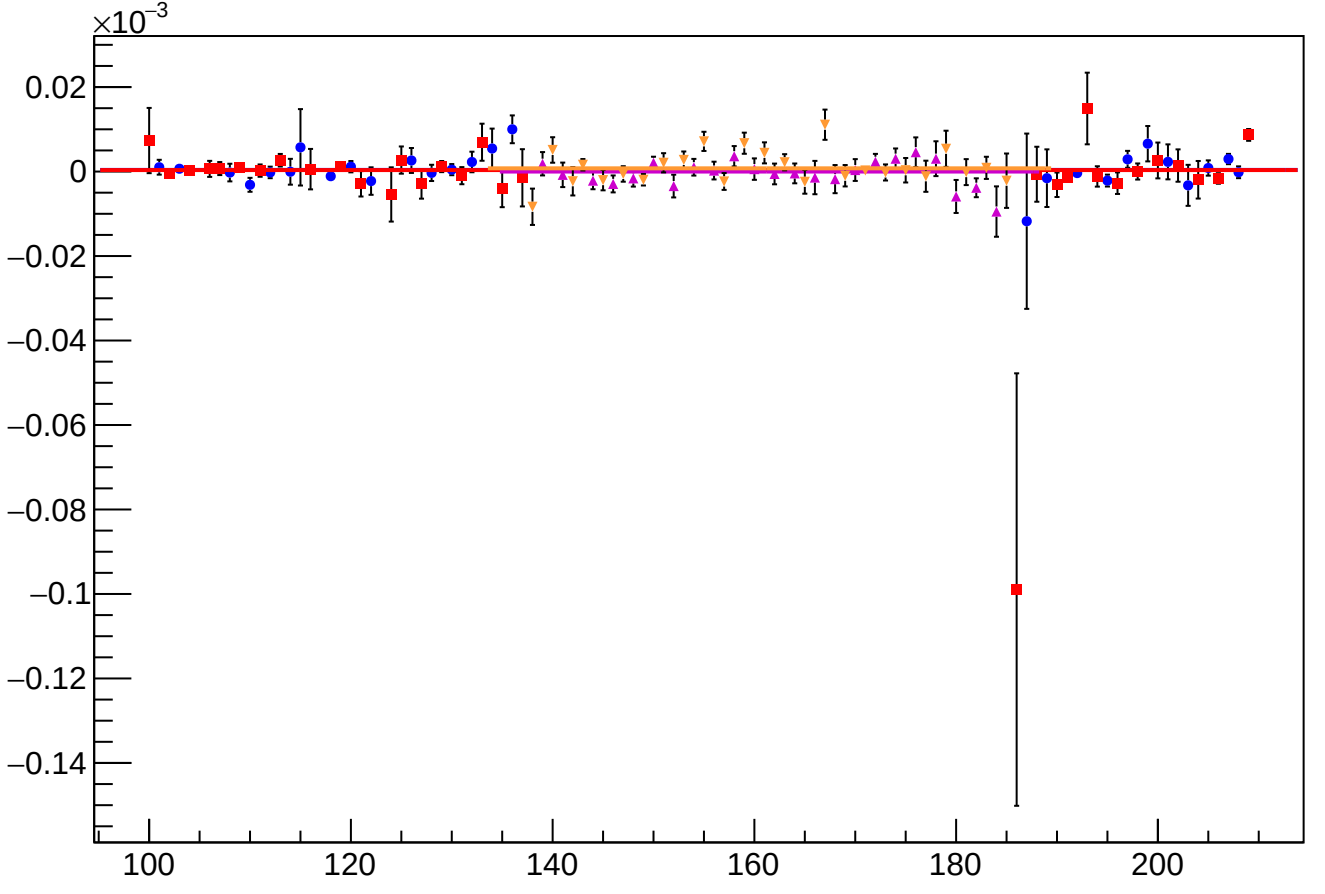
Right Out: 32.873+/-0.006 χ^2/NDF: 6970407.6/31

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920281.8/51

All: 37.484+/-0.004 χ^2/NDF: 24312060.2/106

- sign 37.693+/-0.005 χ^2/NDF: 11388330.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

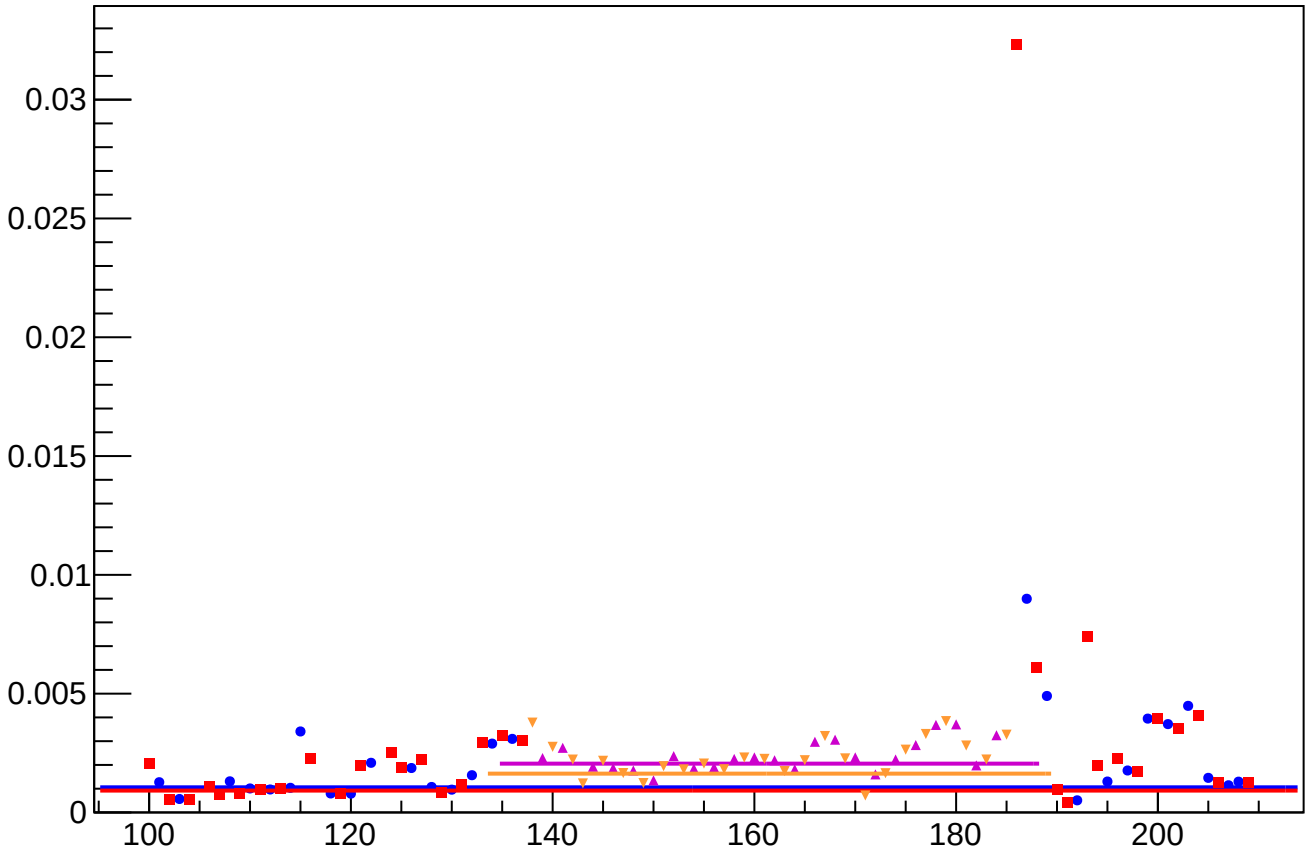
Right Out: 0.000+/-0.000 χ^2/NDF: 66.1/31

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.4/51

All: 0.000+/-0.000 χ^2/NDF: 170.9/106

- sign 0.000+/-0.000 χ^2/NDF: 90.9/54



Right In: 0.001+/-0.000 χ^2/NDF: 7512250.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

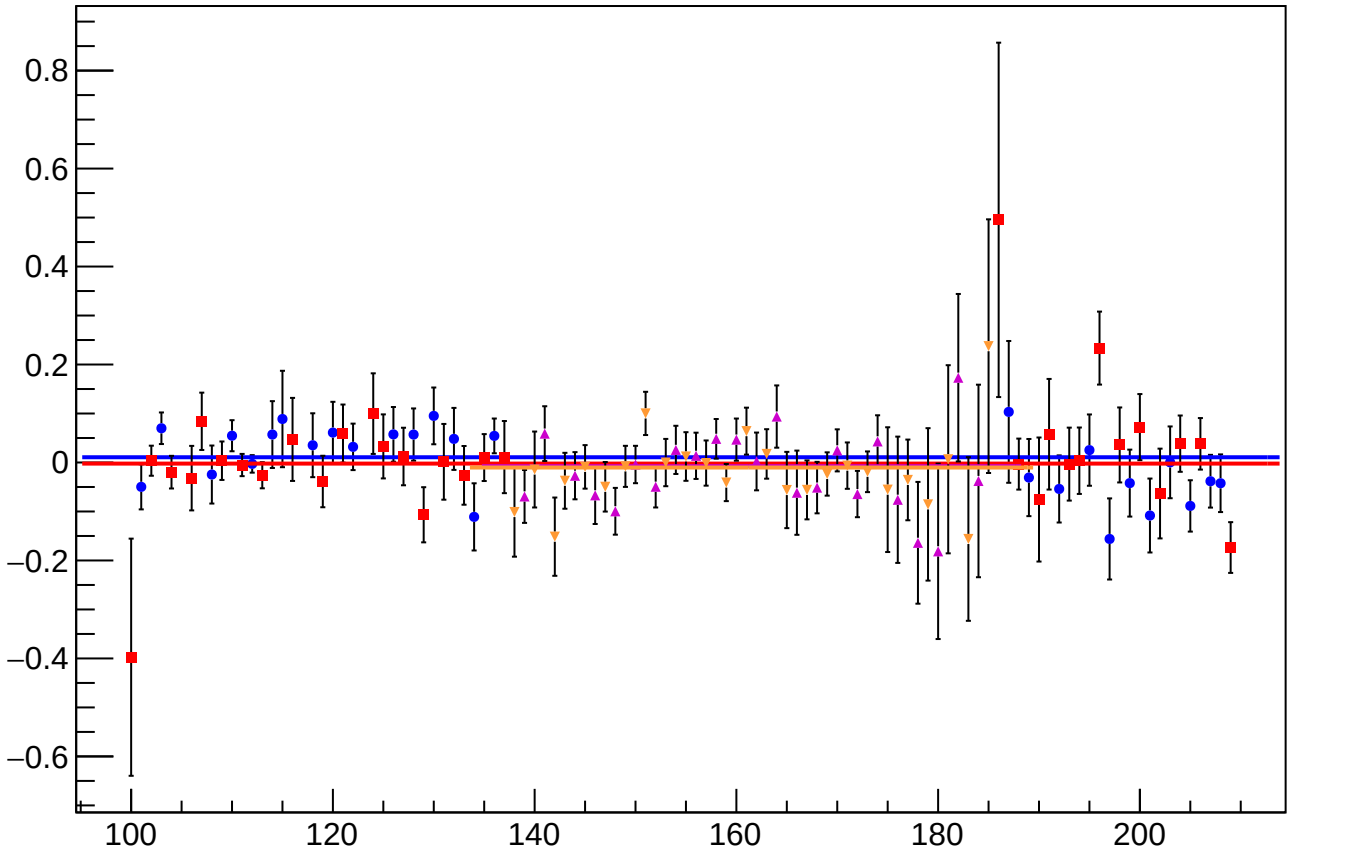
Right Out: 0.001+/-0.000 χ^2/NDF: 12036092.0/31

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16422129.1/51

All: 0.001+/-0.000 χ^2/NDF: 38388691.9/106

- sign 0.001+/-0.000 χ^2/NDF: 21864316.1/54



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

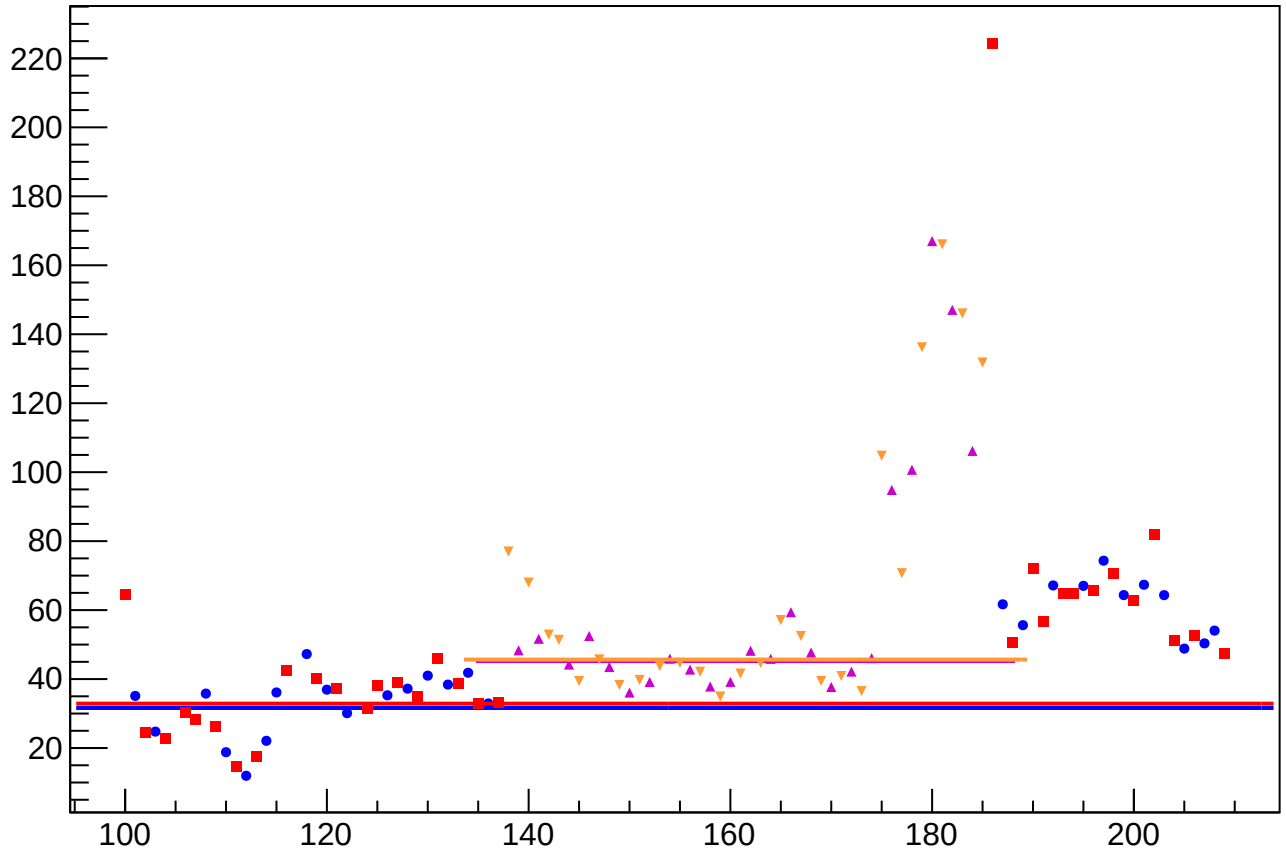
Right Out: -0.002+/-0.009 χ^2/NDF: 40.2/31

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.002+/-0.007 χ^2/NDF: 52.8/51

All: -0.001+/-0.005 χ^2/NDF: 116.8/106

- sign -0.004+/-0.007 χ^2/NDF: 63.6/54



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

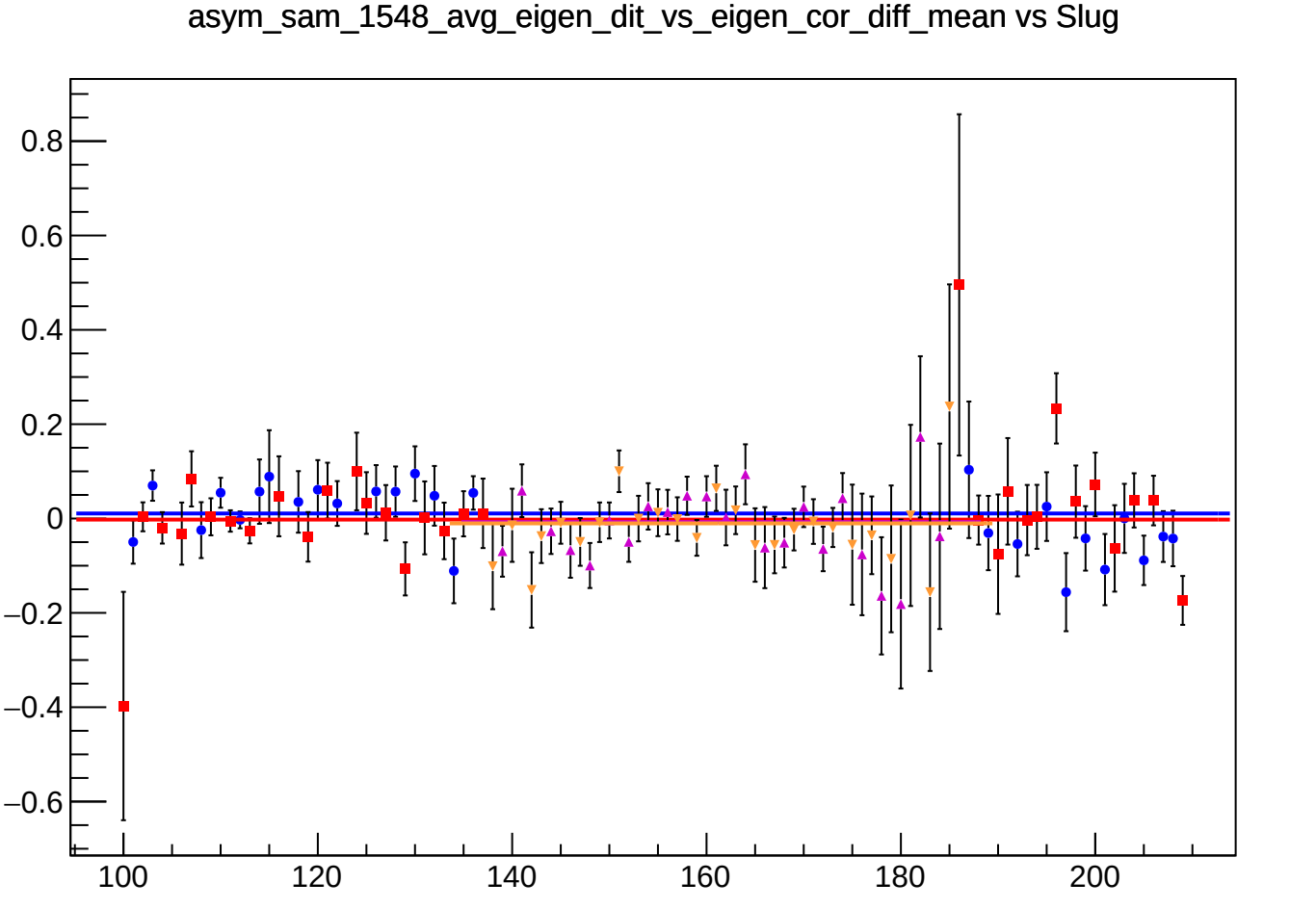
Right Out: 32.873+/-0.006 χ^2/NDF: 6970663.9/31

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920746.6/51

All: 37.483+/-0.004 χ^2/NDF: 24312896.5/106

- sign 37.693+/-0.005 χ^2/NDF: 11388698.9/54



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

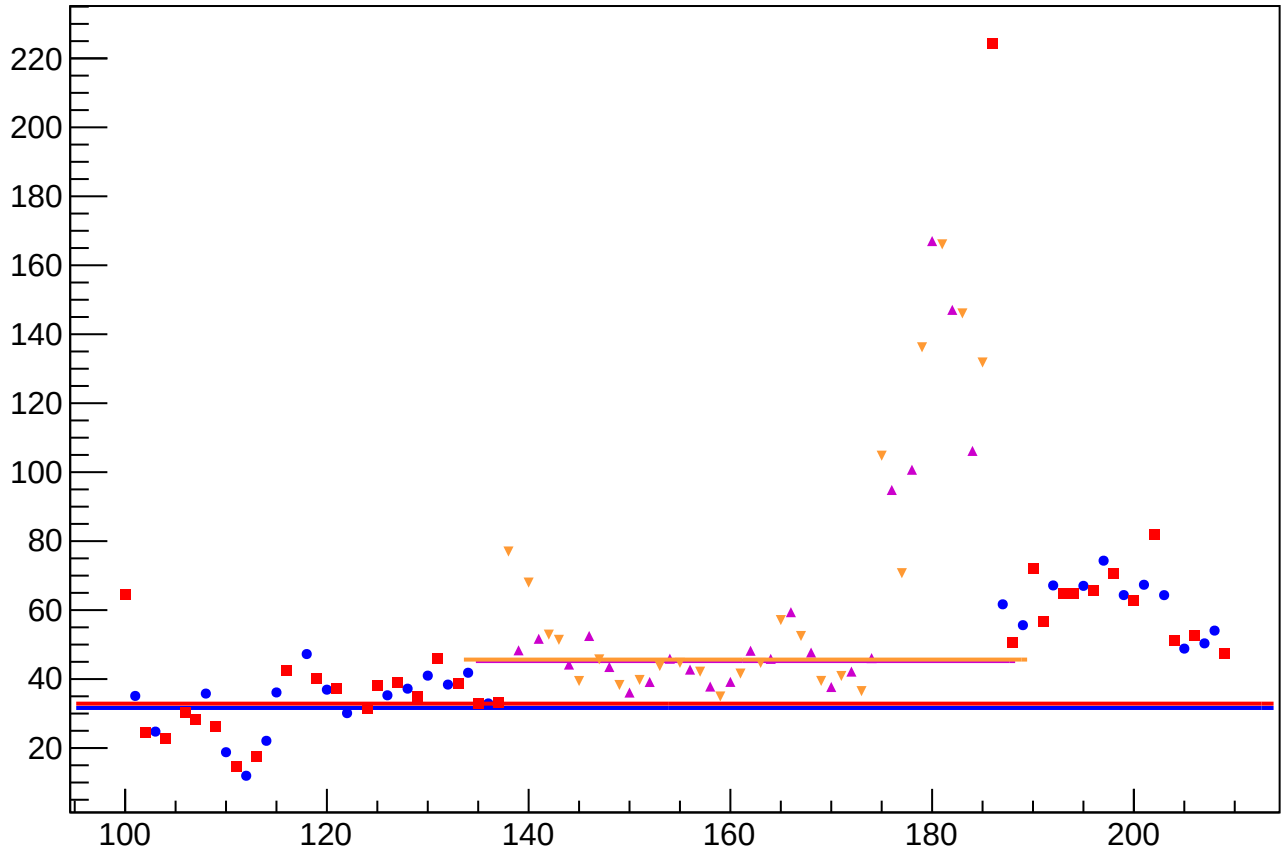
Right Out: -0.002+/-0.009 χ^2/NDF: 40.2/31

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.002+/-0.007 χ^2/NDF: 52.8/51

All: -0.001+/-0.005 χ^2/NDF: 116.8/106

- sign -0.004+/-0.007 χ^2/NDF: 63.6/54



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

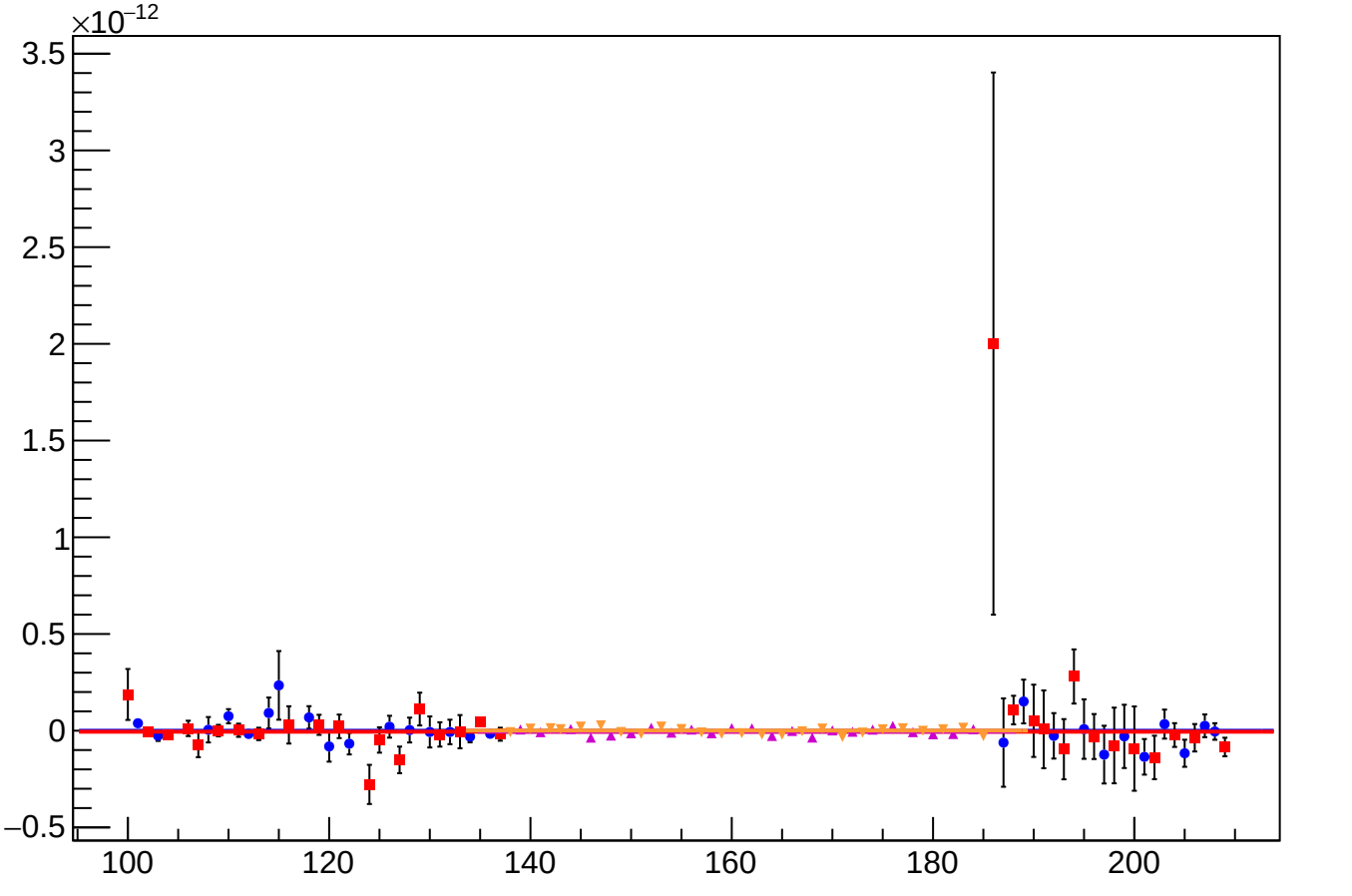
Right Out: 32.873+/-0.006 χ^2/NDF: 6970663.9/31

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.273+/-0.005 χ^2/NDF: 12920746.6/51

All: 37.483+/-0.004 χ^2/NDF: 24312896.5/106

- sign 37.693+/-0.005 χ^2/NDF: 11388698.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

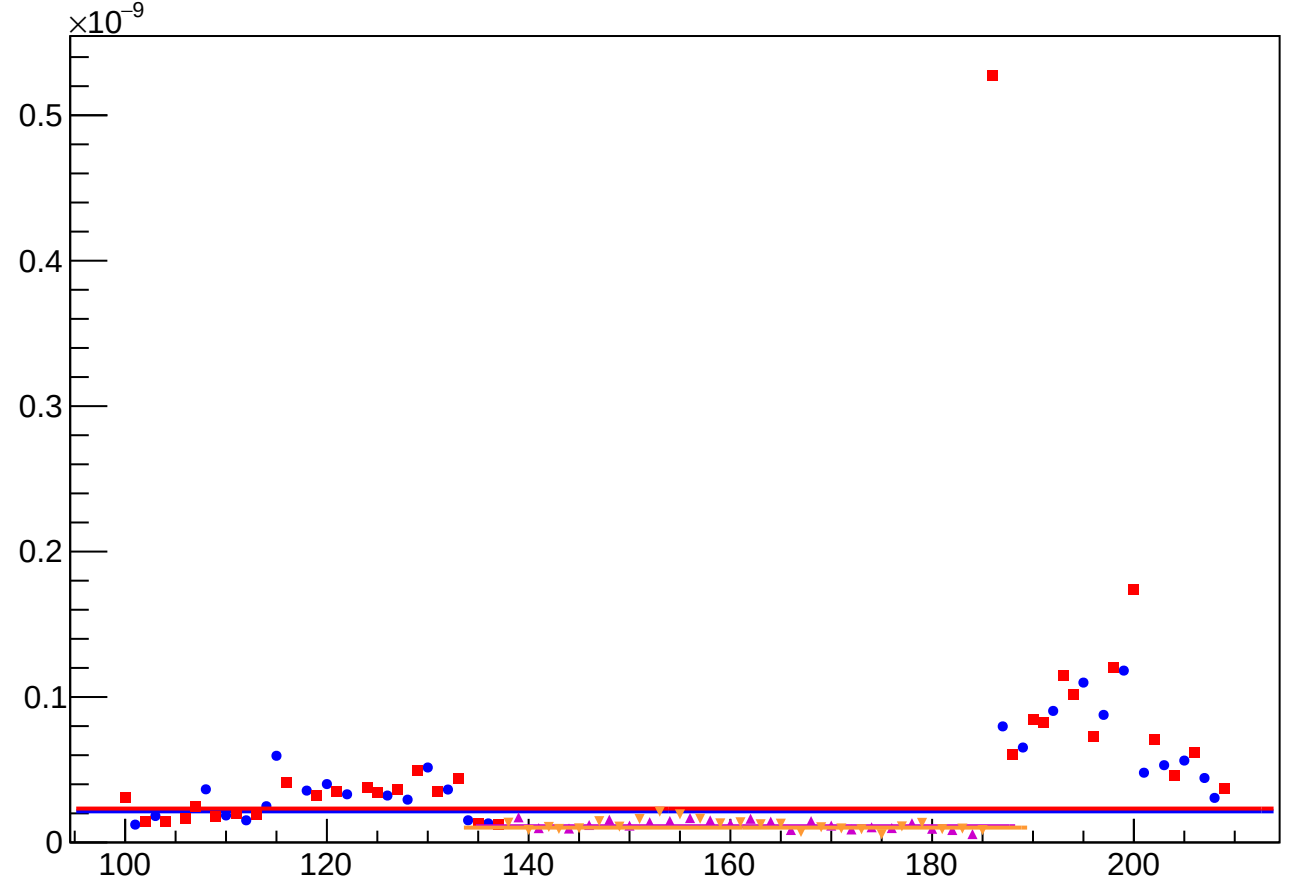
Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/31

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.1/51

All: -0.000+/-0.000 χ^2/NDF: 114.8/106

- sign -0.000+/-0.000 χ^2/NDF: 60.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 6503842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7721175.3/31

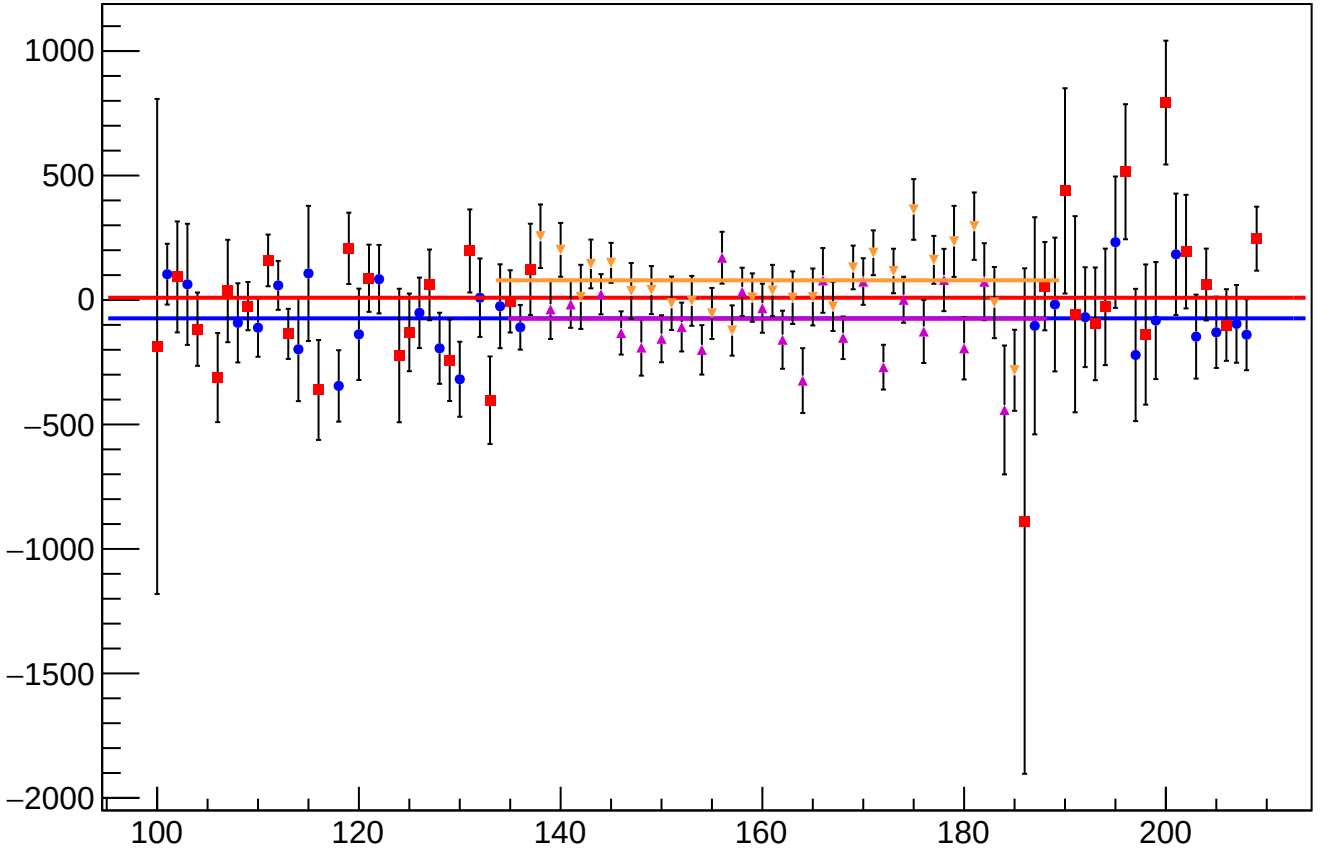
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12071321.0/51

All: 0.000+/-0.000 χ^2/NDF: 24967412.0/106

- sign 0.000+/-0.000 χ^2/NDF: 12735643.5/54

reg_asym_sam_3748_avg_mean vs Slug



Right In: -73.693+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 9.093+/-29.437 χ^2/NDF: 46.0/31

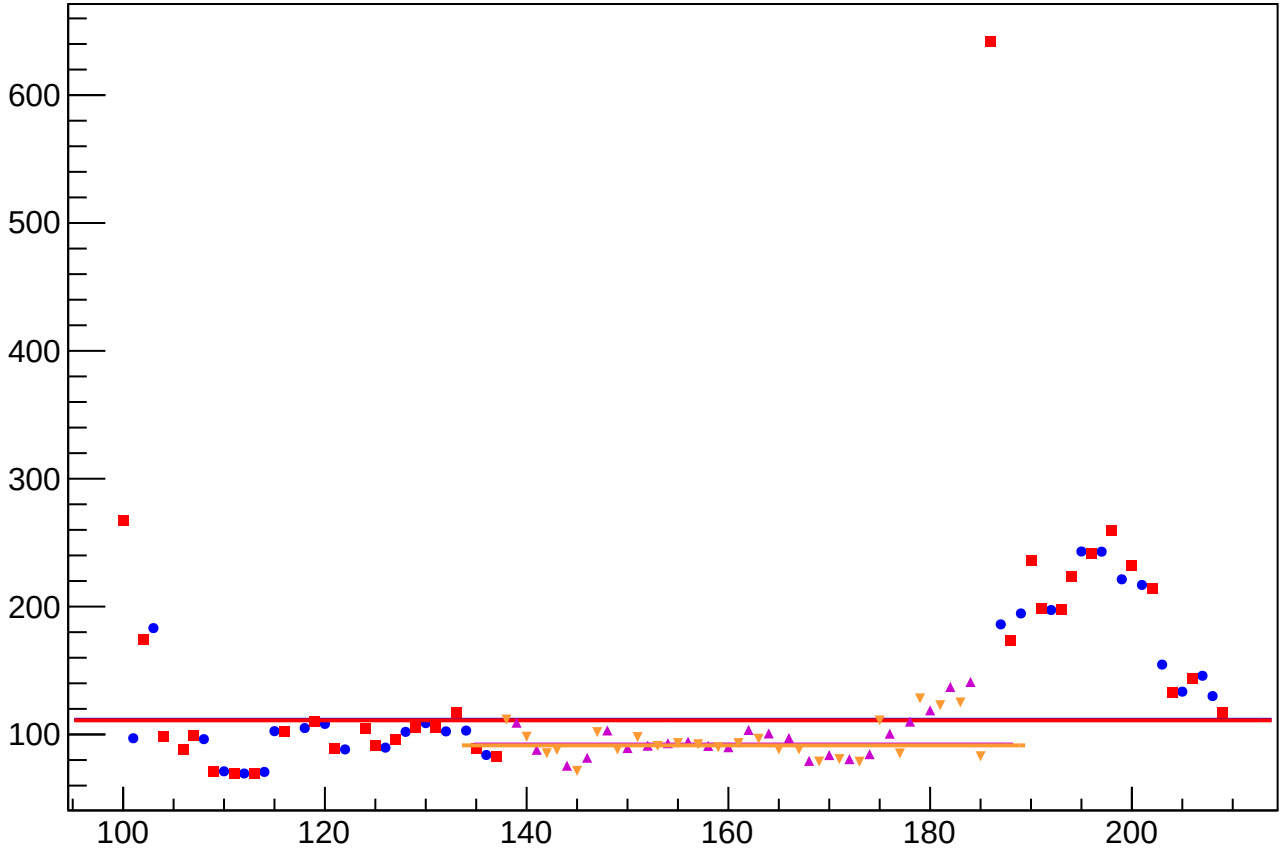
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 29.108+/-17.309 χ^2/NDF: 66.6/51

All: -7.549+/-12.320 χ^2/NDF: 159.5/106

- sign -45.181+/-17.538 χ^2/NDF: 83.9/54

reg_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF: 3943820.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

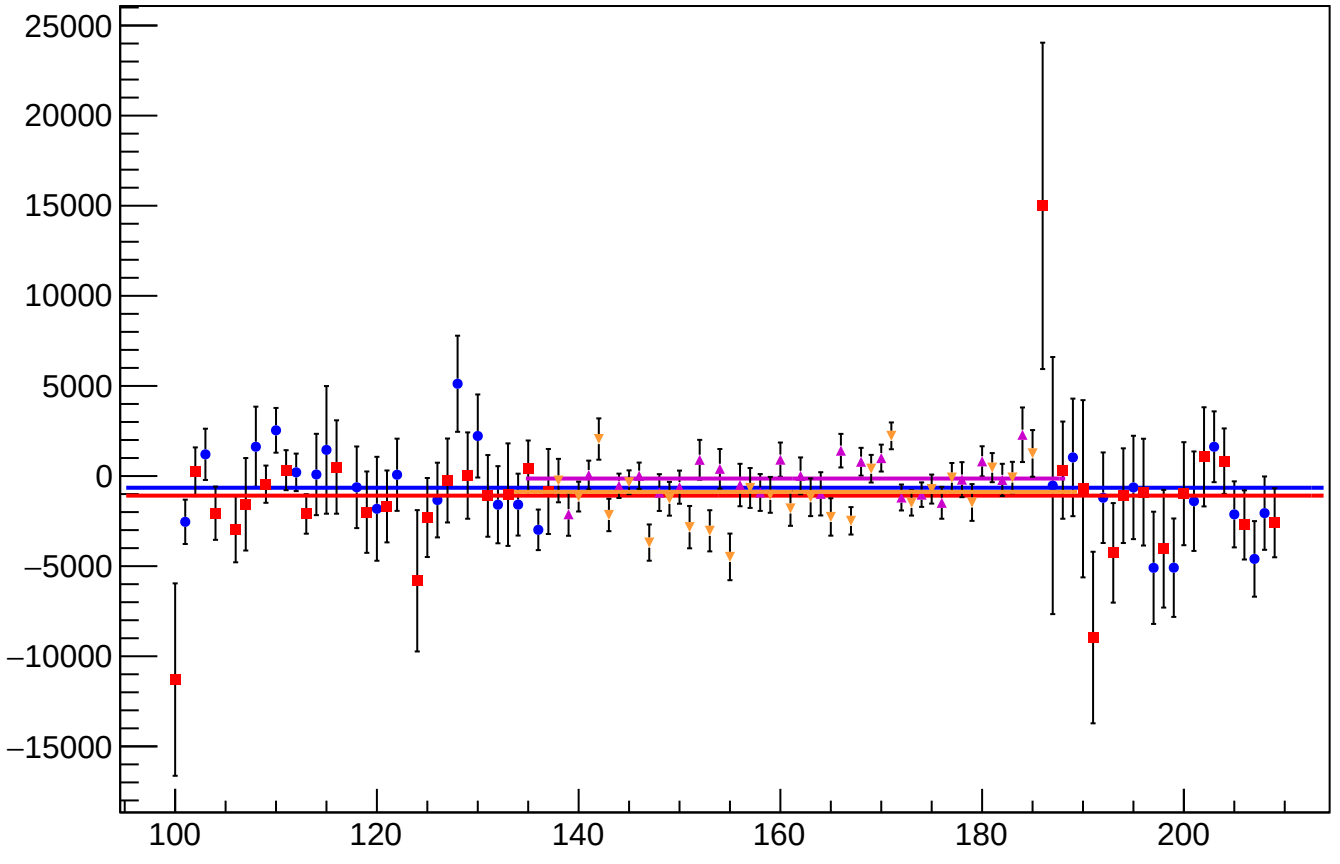
Right Out: 111.062+/-0.021 χ^2/NDF: 5390684.9/31

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF: 5283362.6/51

All: 98.414+/-0.009 χ^2/NDF: 11911178.5/106

- sign 98.831+/-0.012 χ^2/NDF: 6625584.4/54



Right In: -649.587+/-365.917 χ^2/NDF: 35.3/26

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1086.838+/-352.564 χ^2/NDF: 24.1/31

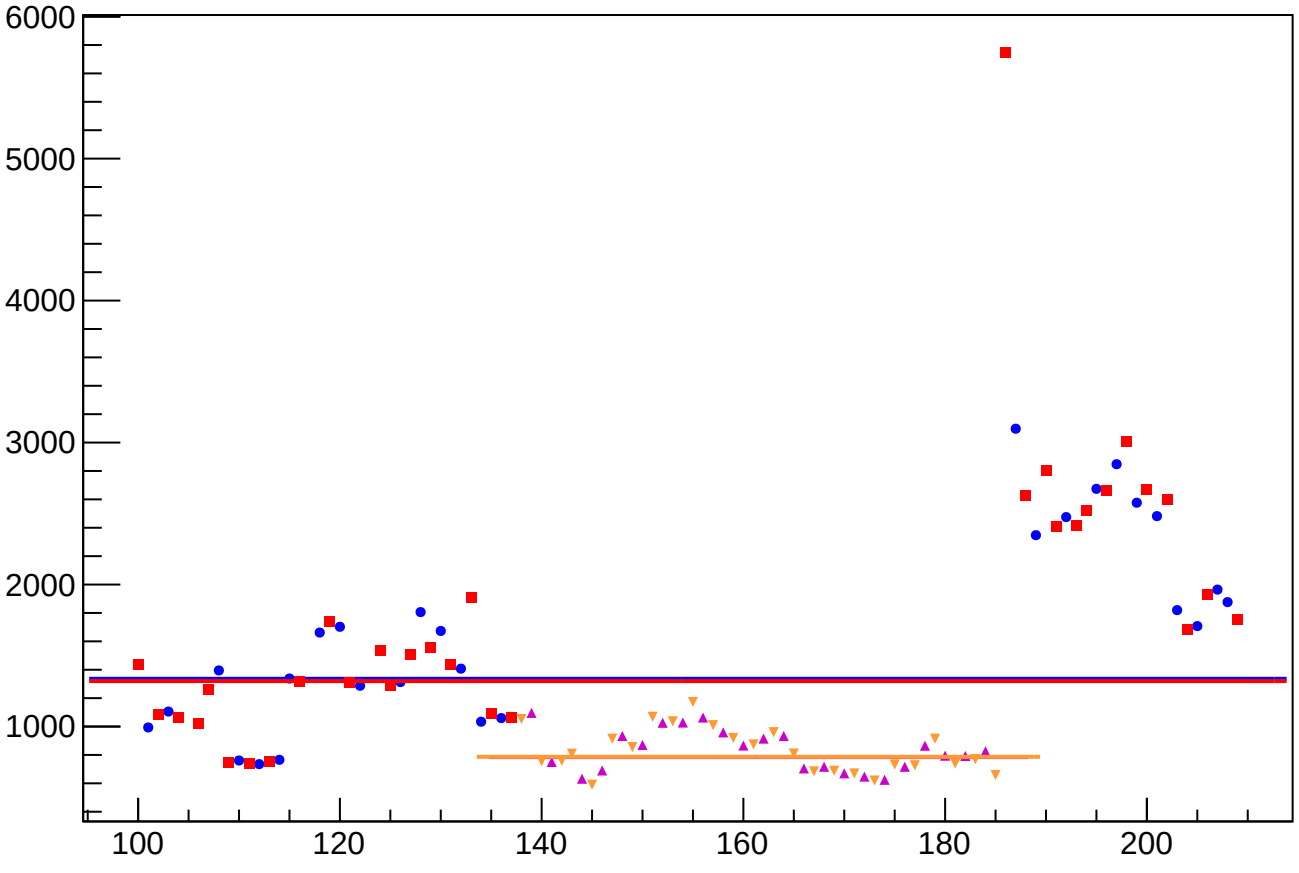
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

\+ sign -832.996+/-163.091 χ^2/NDF: 103.4/51

All: -592.268+/-115.959 χ^2/NDF: 161.7/106

\- sign -346.151+/-164.906 χ^2/NDF: 53.9/54

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1336.156+/-0.259 χ^2/NDF: 4711950.2/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1320.107+/-0.249 χ^2/NDF: 6299668.9/31

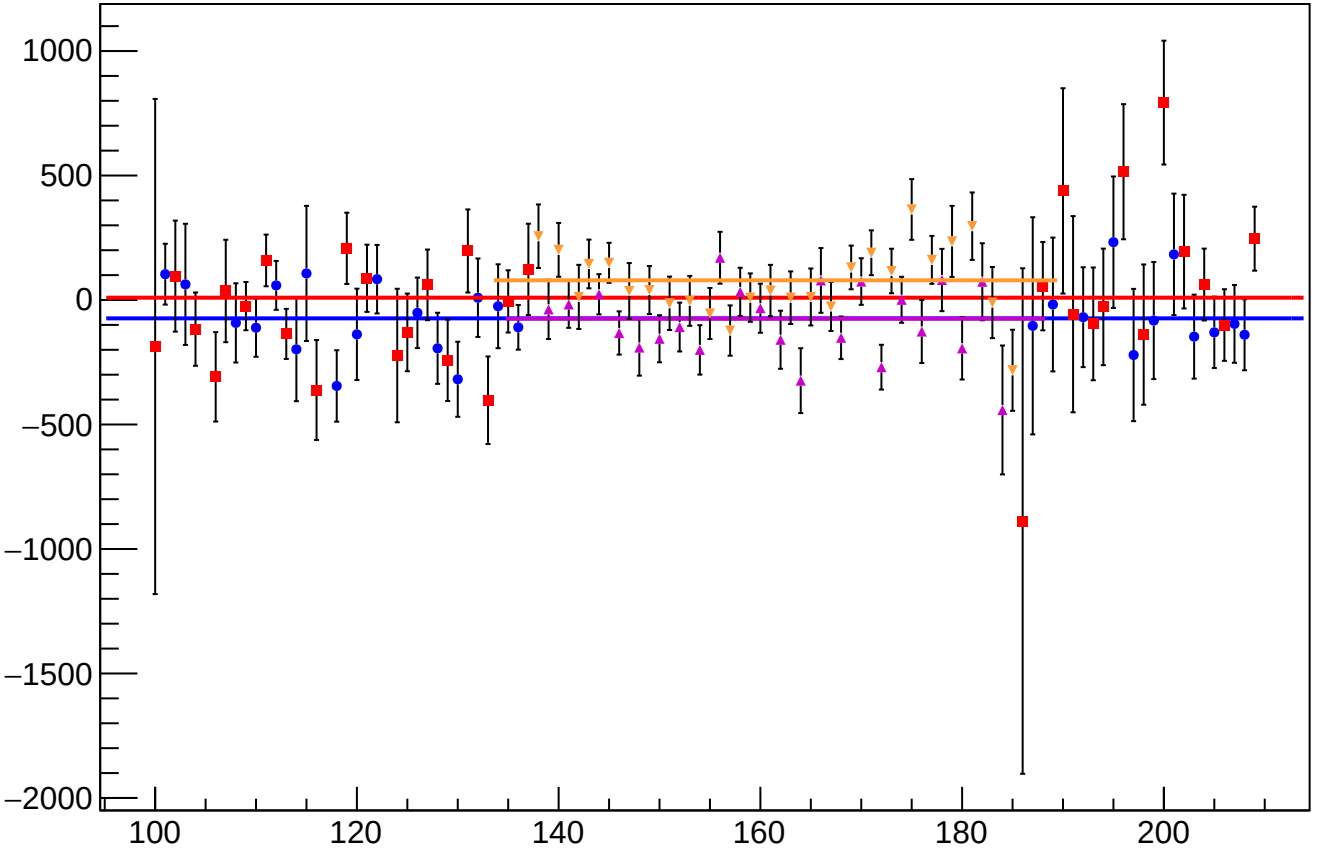
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

\+ sign 895.897+/-0.115 χ^2/NDF: 9535769.3/51

All: 898.884+/-0.082 χ^2/NDF: 20502020.4/10

\- sign 901.938+/-0.117 χ^2/NDF: 10964894.6/54

cor_asym_sam_3748_avg_mean vs Slug



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 9.283+/-29.439 χ^2/NDF: 45.9/31

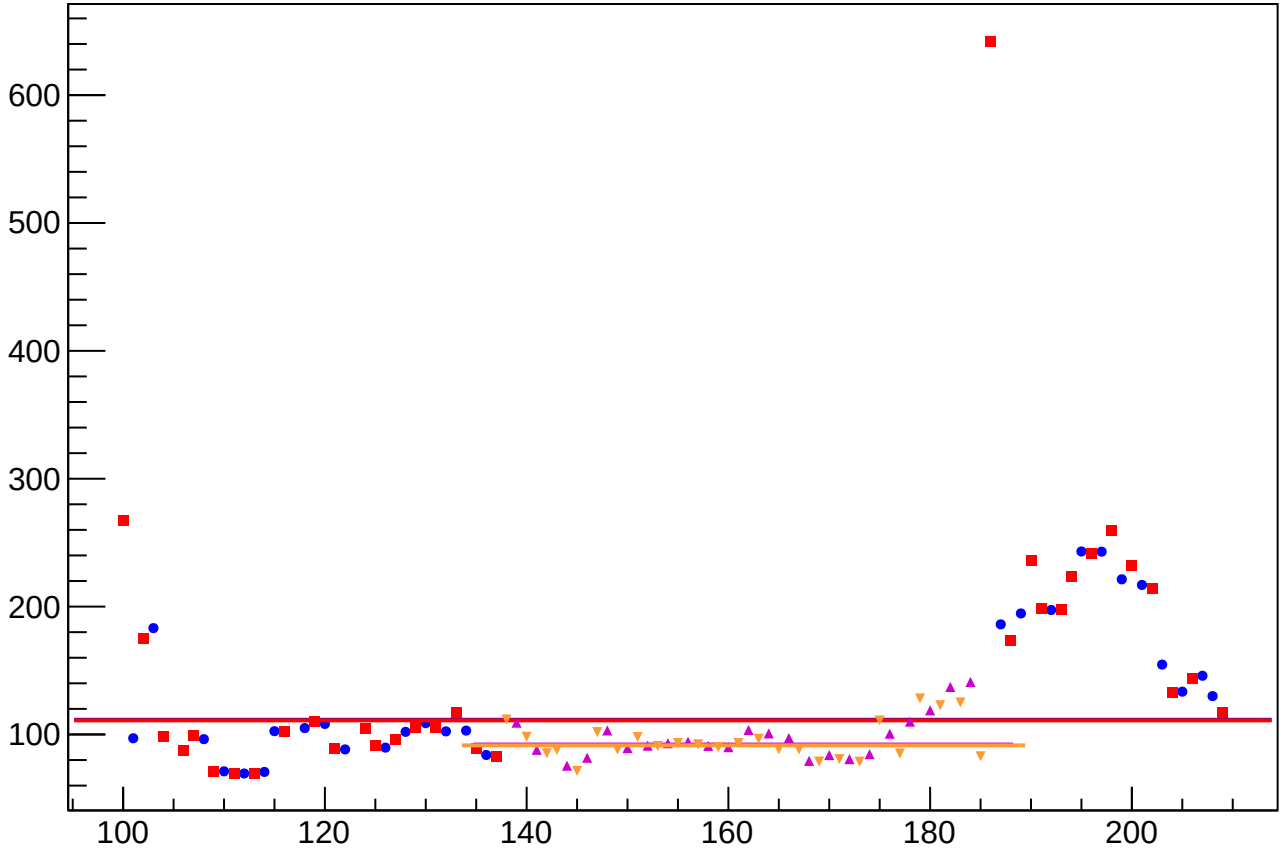
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 29.110+/-17.309 χ^2/NDF: 66.6/51

All: -7.515+/-12.320 χ^2/NDF: 159.5/106

- sign -45.117+/-17.539 χ^2/NDF: 83.8/54

cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

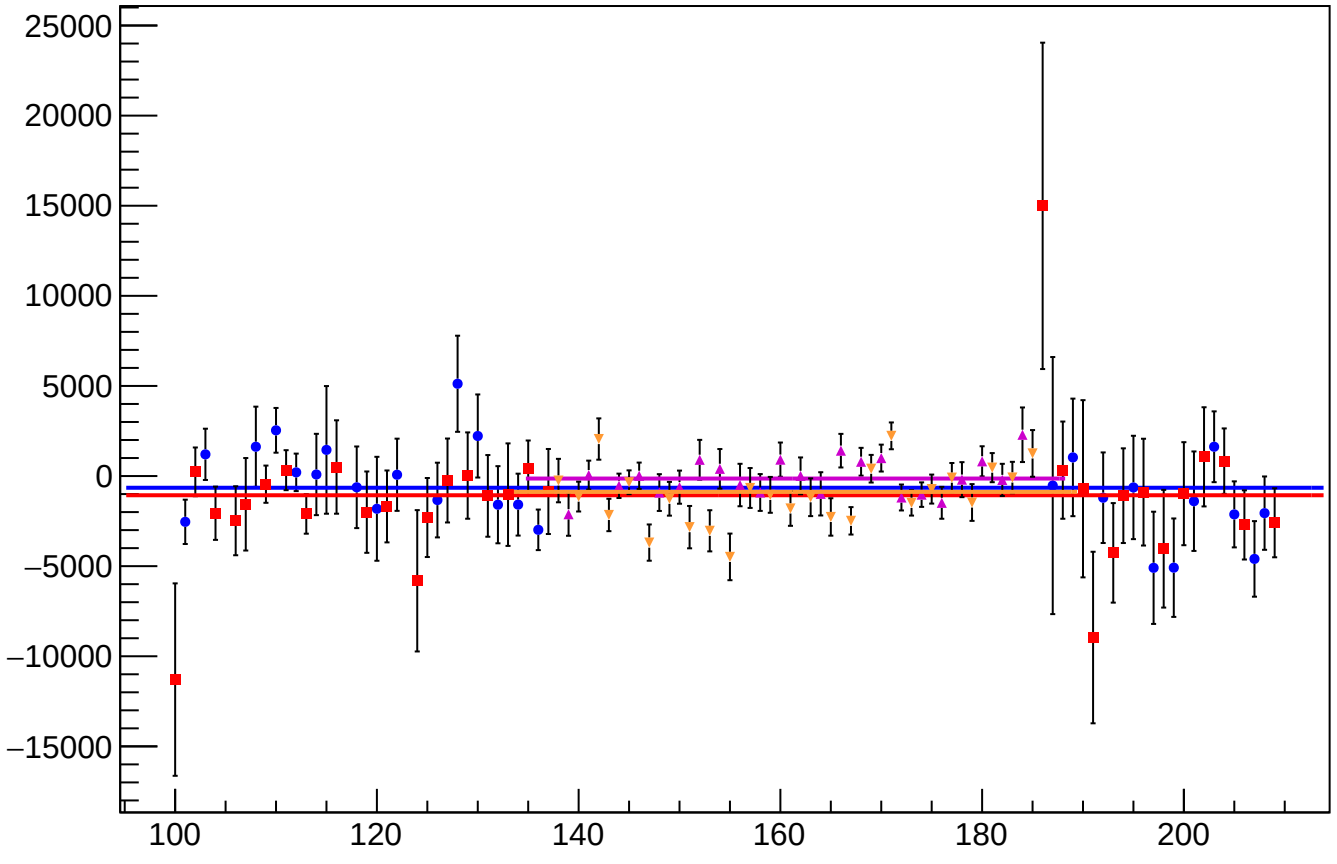
Right Out: 111.031+/-0.021 χ^2/NDF: 5394477.8/31

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF: 5283365.8/51

All: 98.409+/-0.009 χ^2/NDF: 11913084.4/106

- sign 98.819+/-0.012 χ^2/NDF: 6627551.2/54



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1065.736+/-353.114 χ^2/NDF: 23.6/31

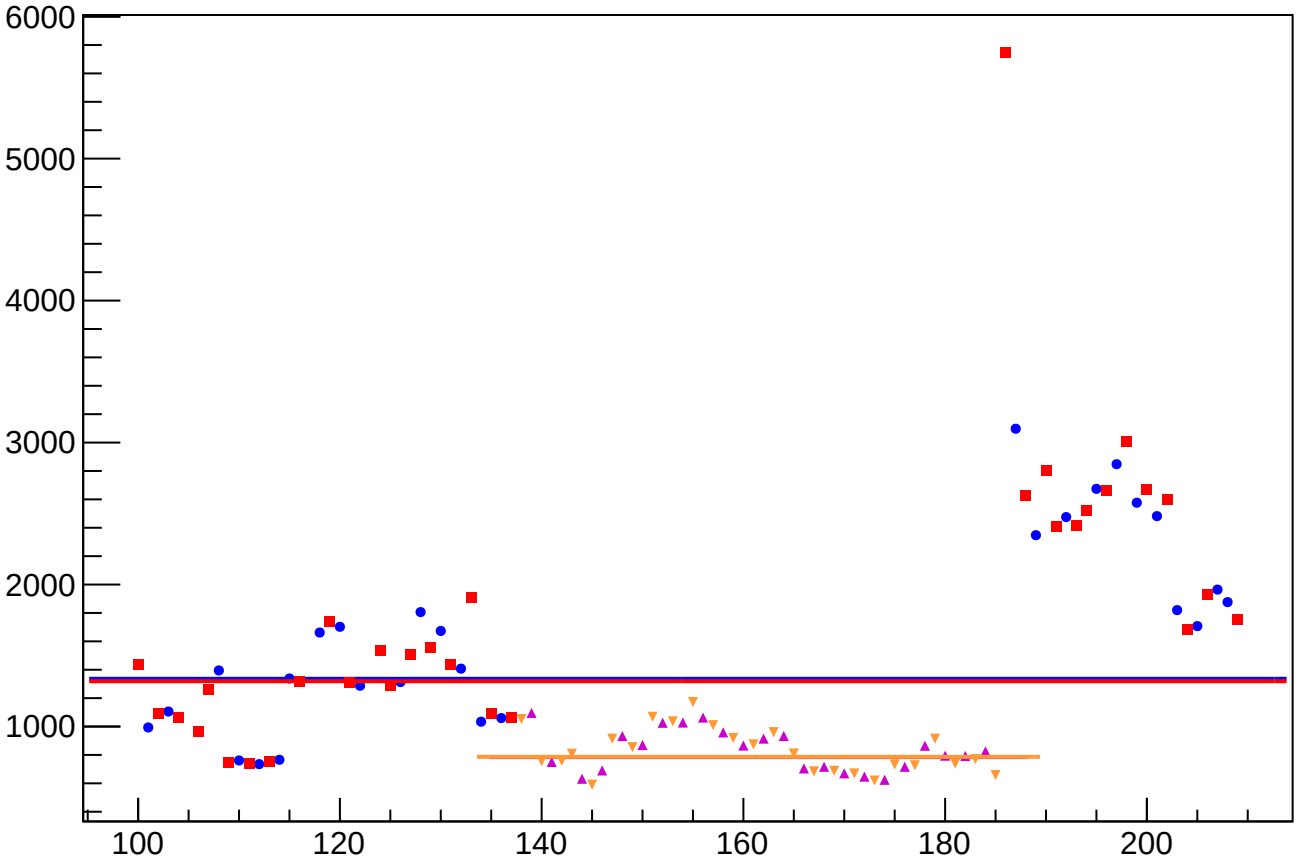
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -832.993+/-163.091 χ^2/NDF: 103.4/51

All: -589.824+/-115.979 χ^2/NDF: 161.0/106

\- sign -341.043+/-164.963 χ^2/NDF: 53.2/54

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1319.142+/-0.250 χ^2/NDF: 6315086.2/31

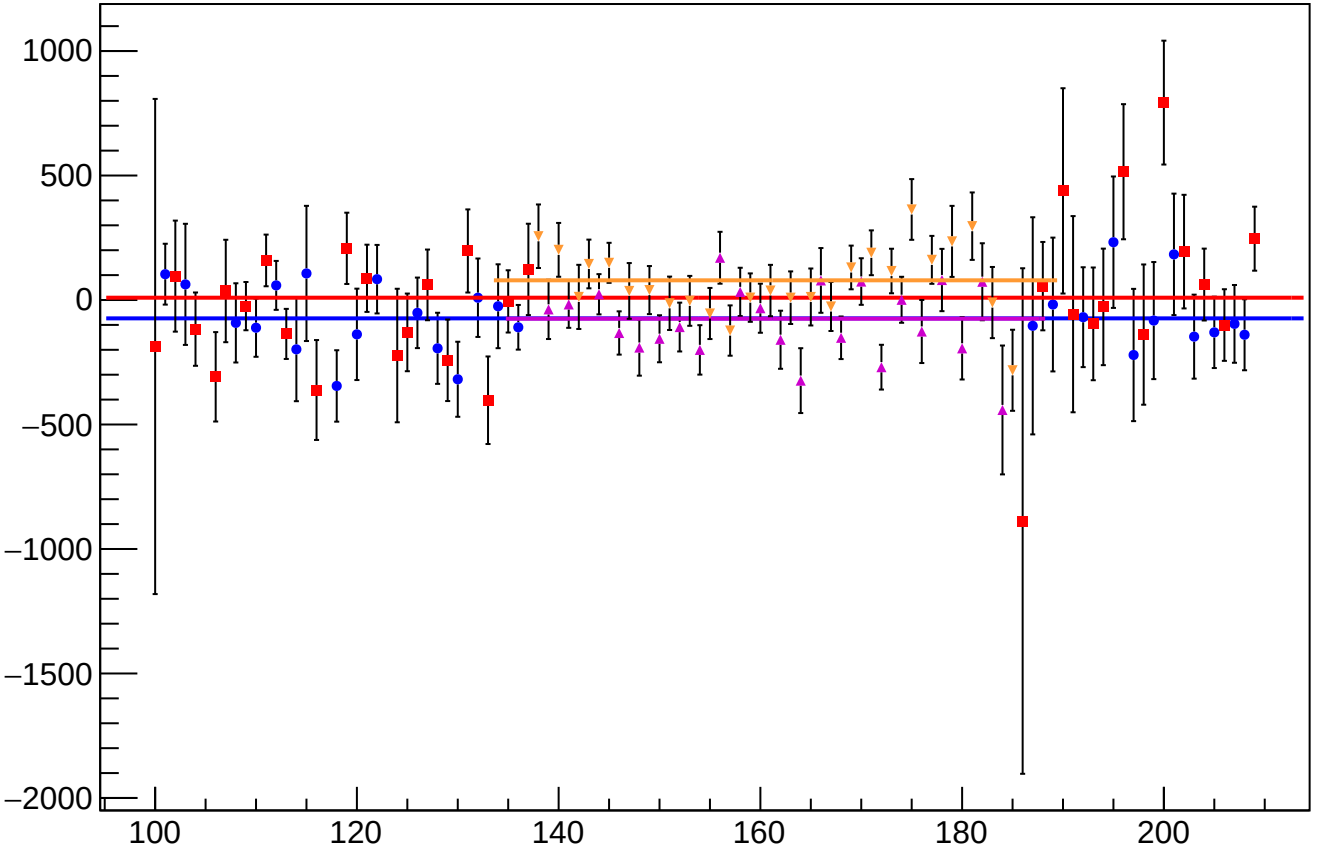
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 895.898+/-0.115 χ^2/NDF: 9535808.4/51

All: 898.639+/-0.082 χ^2/NDF: 20495555.8/10

- sign 901.442+/-0.117 χ^2/NDF: 10958604.9/54

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 9.283+/-29.439 χ^2/NDF: 45.9/31

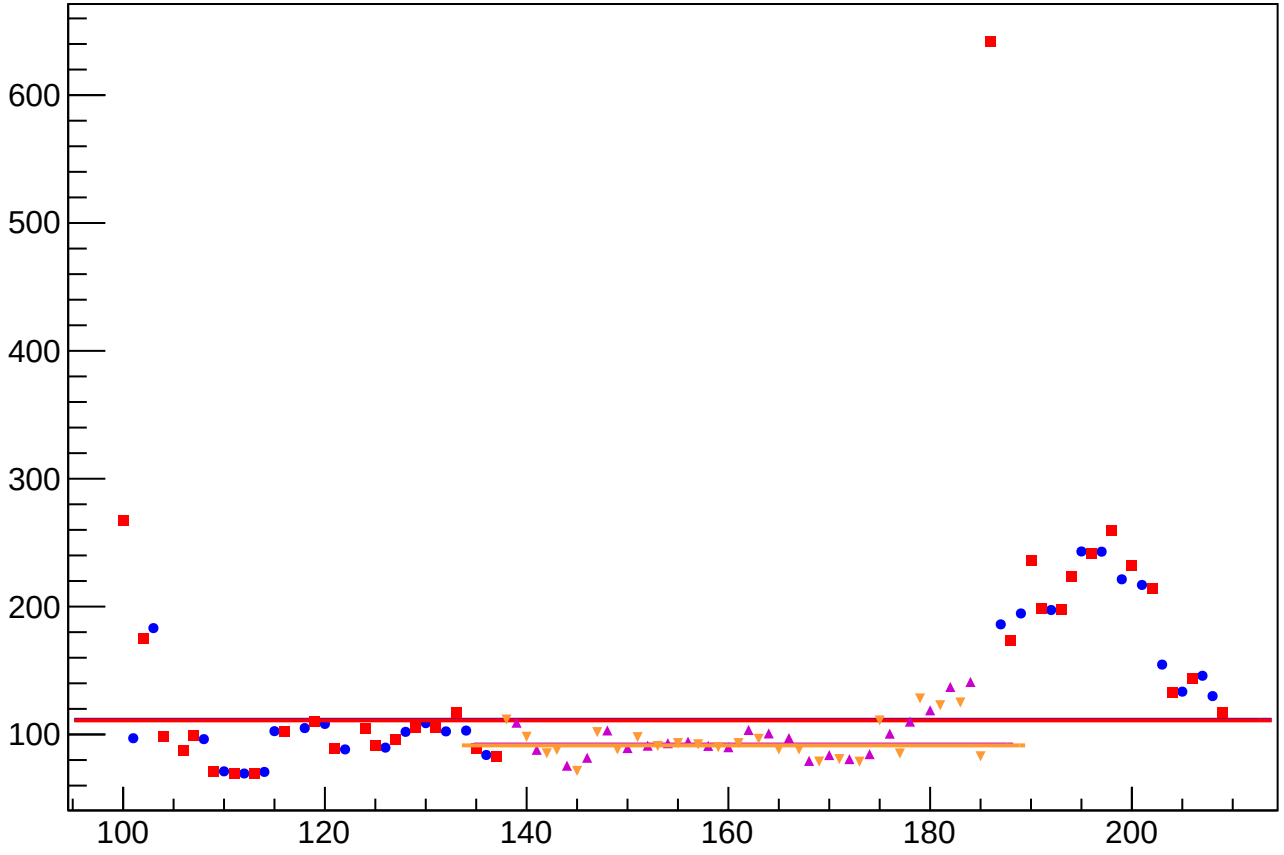
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 29.110+/-17.309 χ^2/NDF: 66.6/51

All: -7.515+/-12.320 χ^2/NDF: 159.5/106

- sign -45.117+/-17.539 χ^2/NDF: 83.8/54

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

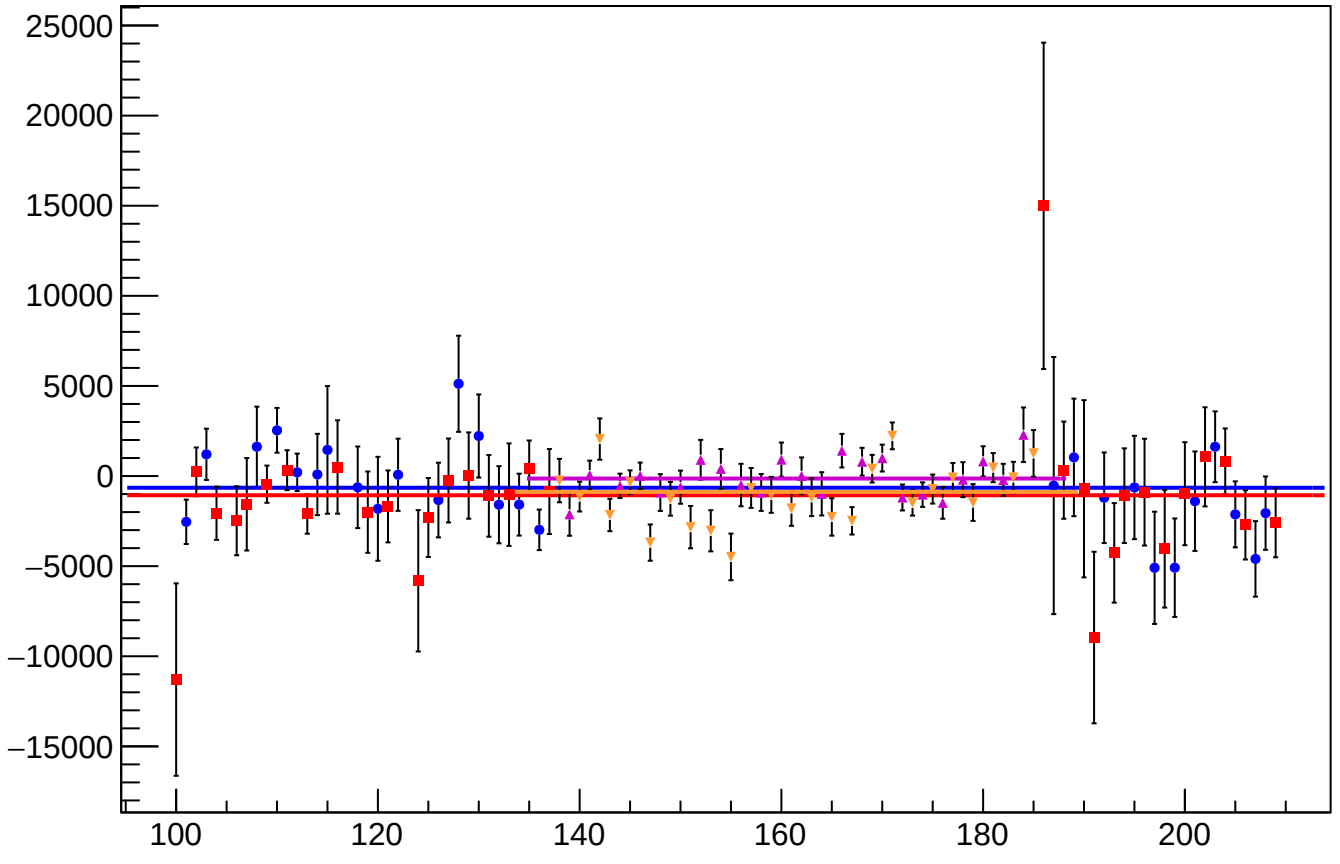
Right Out: 111.031+/-0.021 χ^2/NDF: 5394477.8/31

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 98.008+/-0.012 χ^2/NDF: 5283365.8/51

All: 98.409+/-0.009 χ^2/NDF: 11913084.4/106

- sign 98.819+/-0.012 χ^2/NDF: 6627551.2/54



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

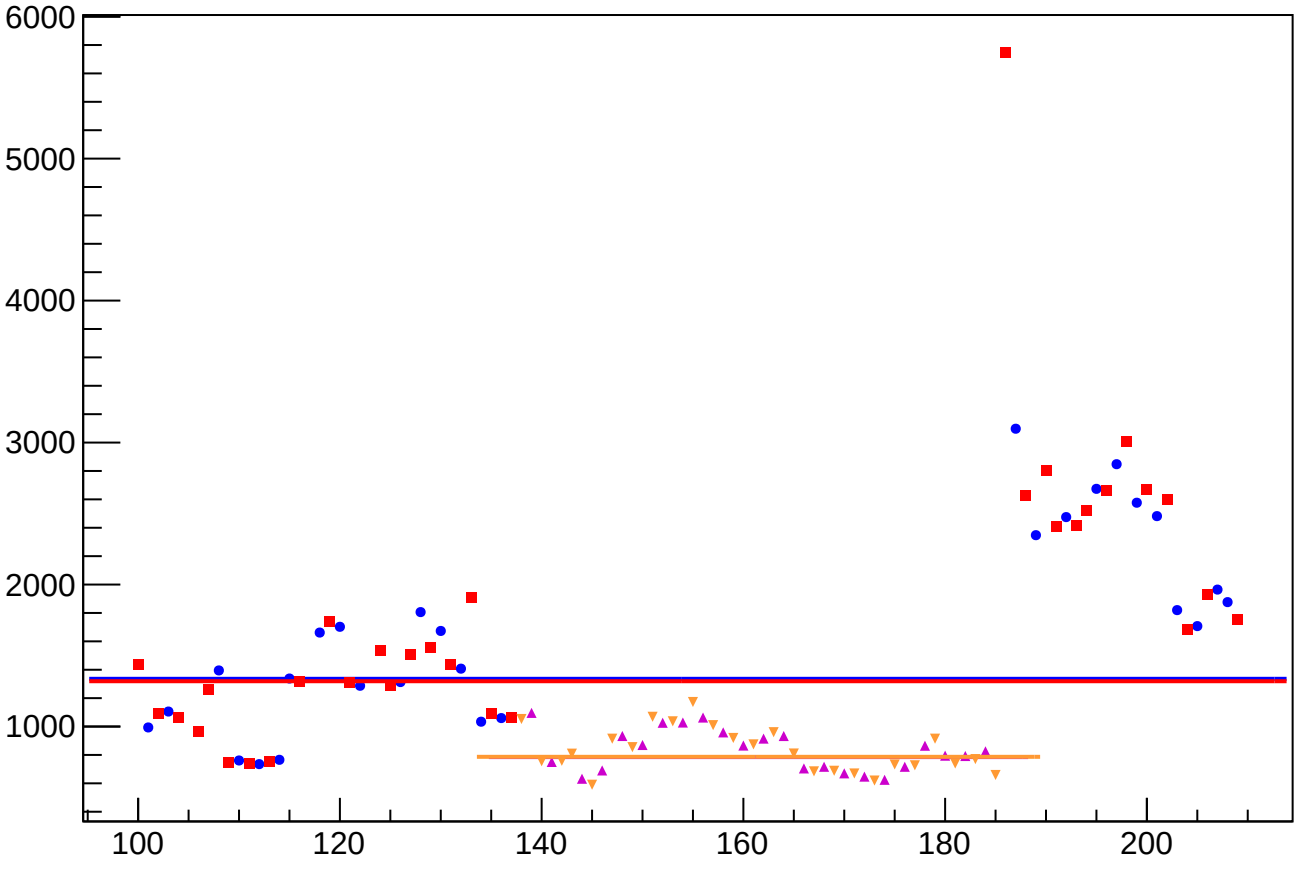
Right Out: -1065.736+/-353.114 χ^2/NDF: 23.6/31

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -832.993+/-163.091 χ^2/NDF: 103.4/51

All: -589.824+/-115.979 χ^2/NDF: 161.0/106

- sign -341.043+/-164.963 χ^2/NDF: 53.2/54



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1319.142+/-0.250 χ^2/NDF: 6315086.2/31

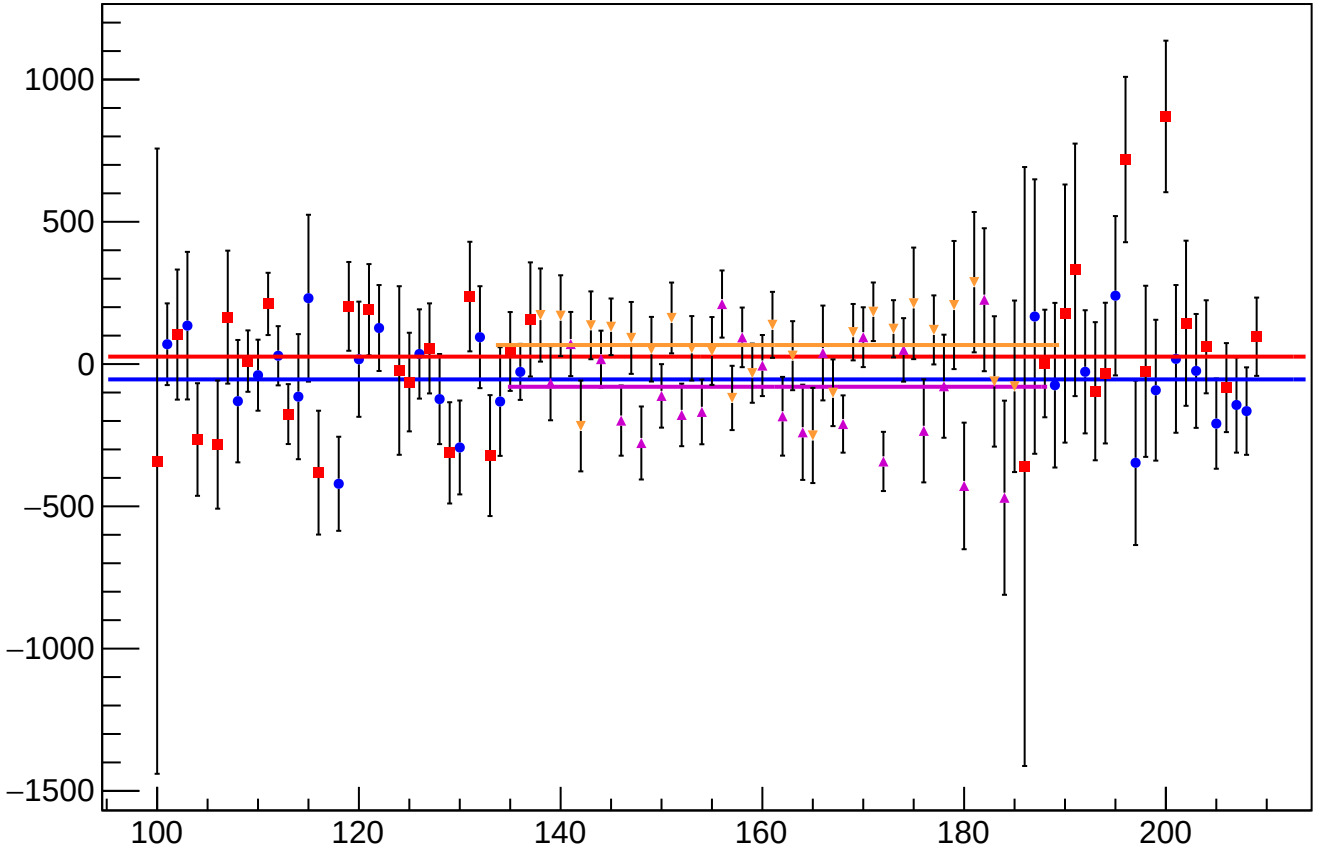
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 895.898+/-0.115 χ^2/NDF: 9535808.4/51

All: 898.639+/-0.082 χ^2/NDF: 20495555.8/10

- sign 901.442+/-0.117 χ^2/NDF: 10958604.9/54

dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.886+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 26.152+/-32.638 χ^2/NDF: 43.1/31

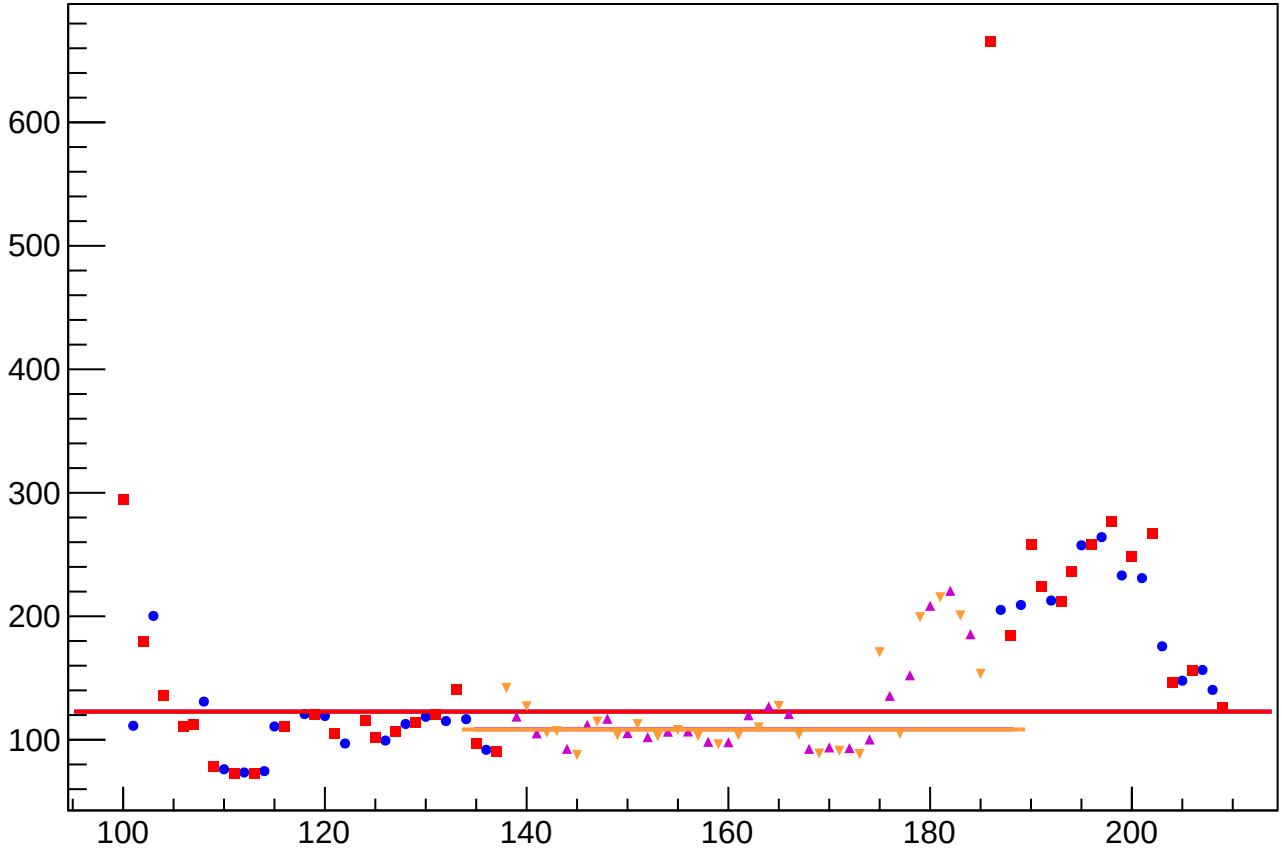
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 22.312+/-20.320 χ^2/NDF: 45.2/51

All: -7.646+/-14.424 χ^2/NDF: 135.9/106

- sign -38.070+/-20.478 χ^2/NDF: 86.4/54

dit_asym_sam_3748_avg_rms vs Slug



Right In: 122.869+/-0.024 χ^2/NDF: 3902551.1/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 122.763+/-0.023 χ^2/NDF: 5367568.2/31

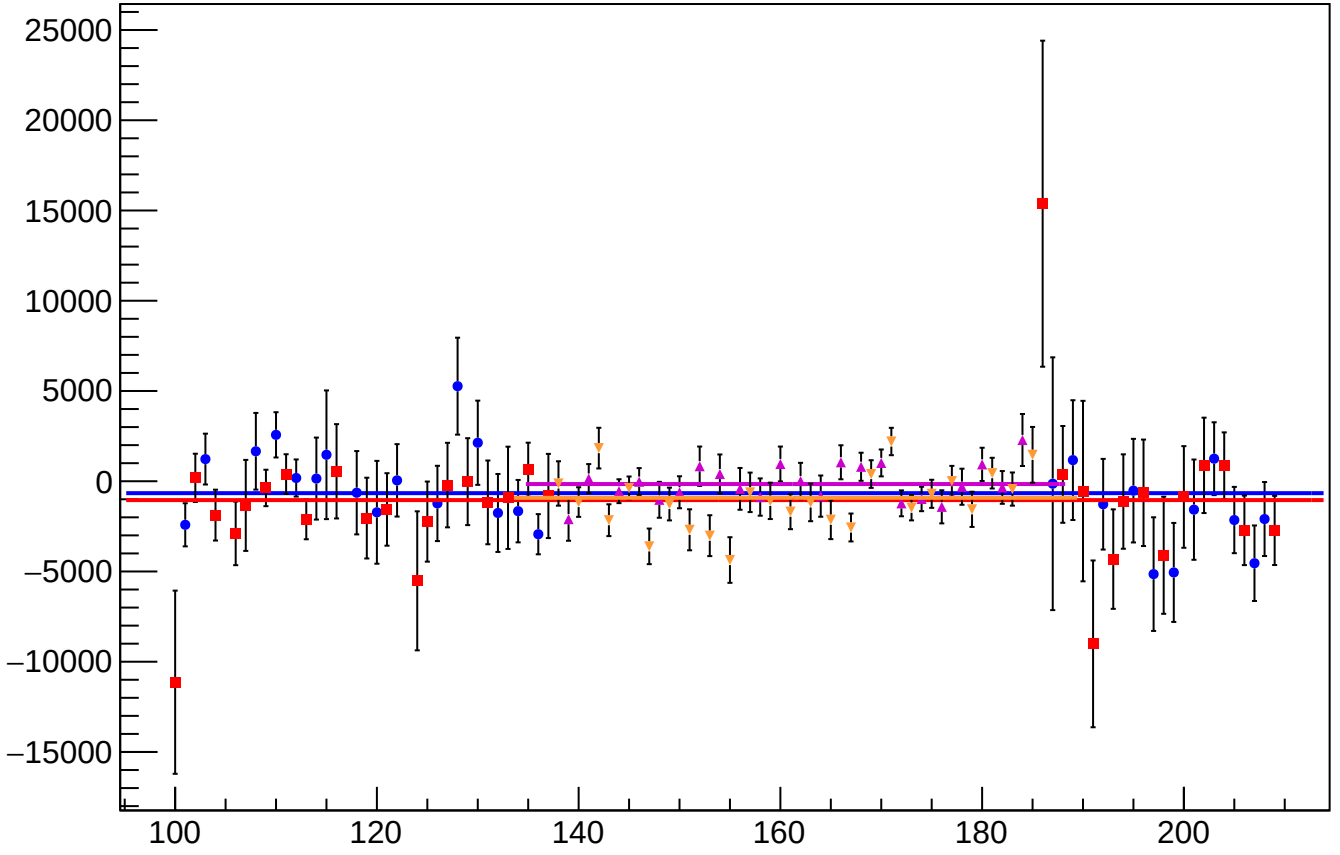
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 113.697+/-0.014 χ^2/NDF: 5915581.7/51

All: 113.902+/-0.010 χ^2/NDF: 12894789.2/10

- sign 114.110+/-0.014 χ^2/NDF: 6978797.3/54

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -660.794+/-364.855 χ^2/NDF: 34.9/26

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1045.254+/-349.217 χ^2/NDF: 25.2/31

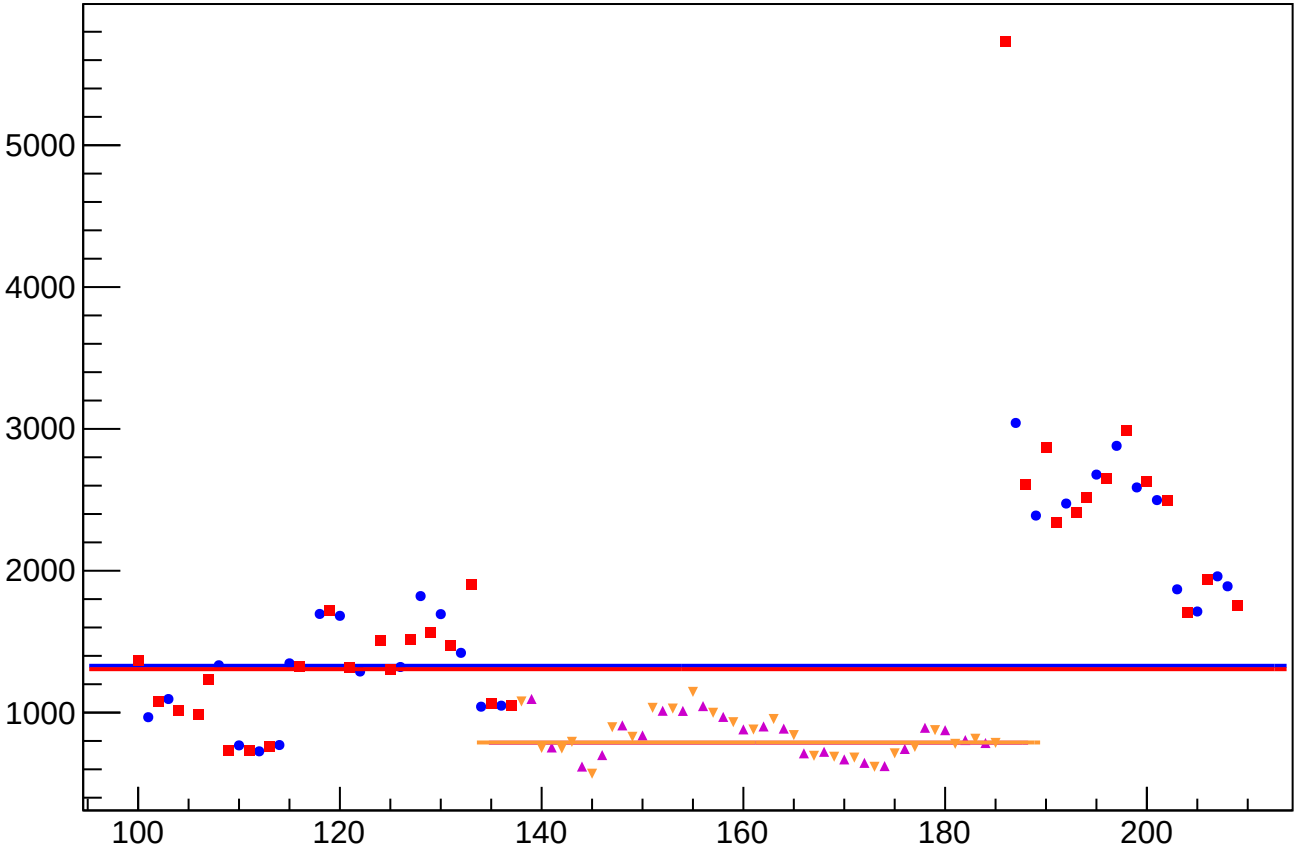
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -867.132+/-163.192 χ^2/NDF: 99.4/51

All: -613.413+/-116.005 χ^2/NDF: 157.6/106

- sign -354.257+/-164.932 χ^2/NDF: 53.3/54

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1329.910+/-0.258 χ^2/NDF: 4832758.7/26

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1306.034+/-0.247 χ^2/NDF: 6383558.0/31

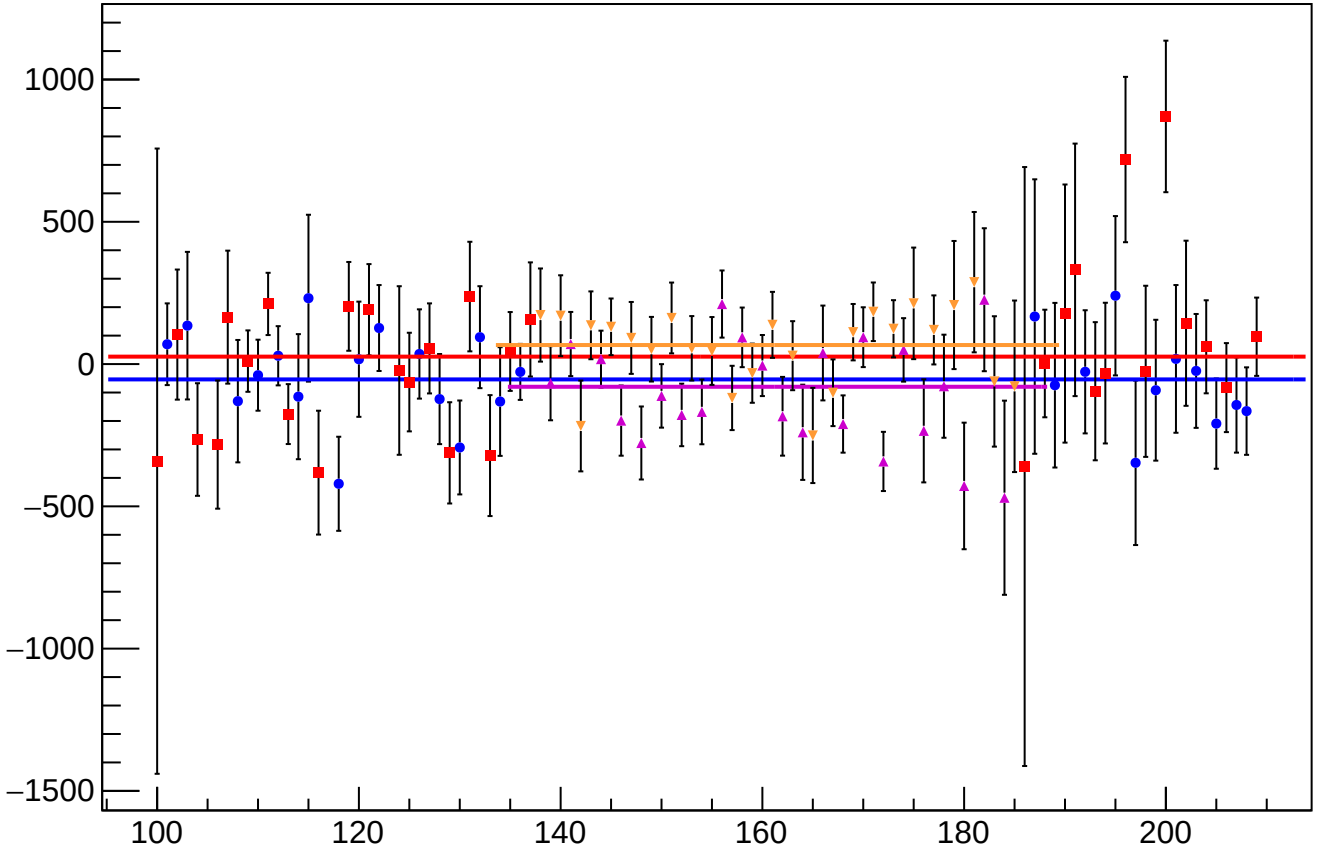
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 897.414+/-0.115 χ^2/NDF: 9522715.4/51

All: 900.216+/-0.082 χ^2/NDF: 20376268.8/10

- sign 903.078+/-0.117 χ^2/NDF: 10852361.8/54

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.885+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 26.154+/-32.638 χ^2/NDF: 43.1/31

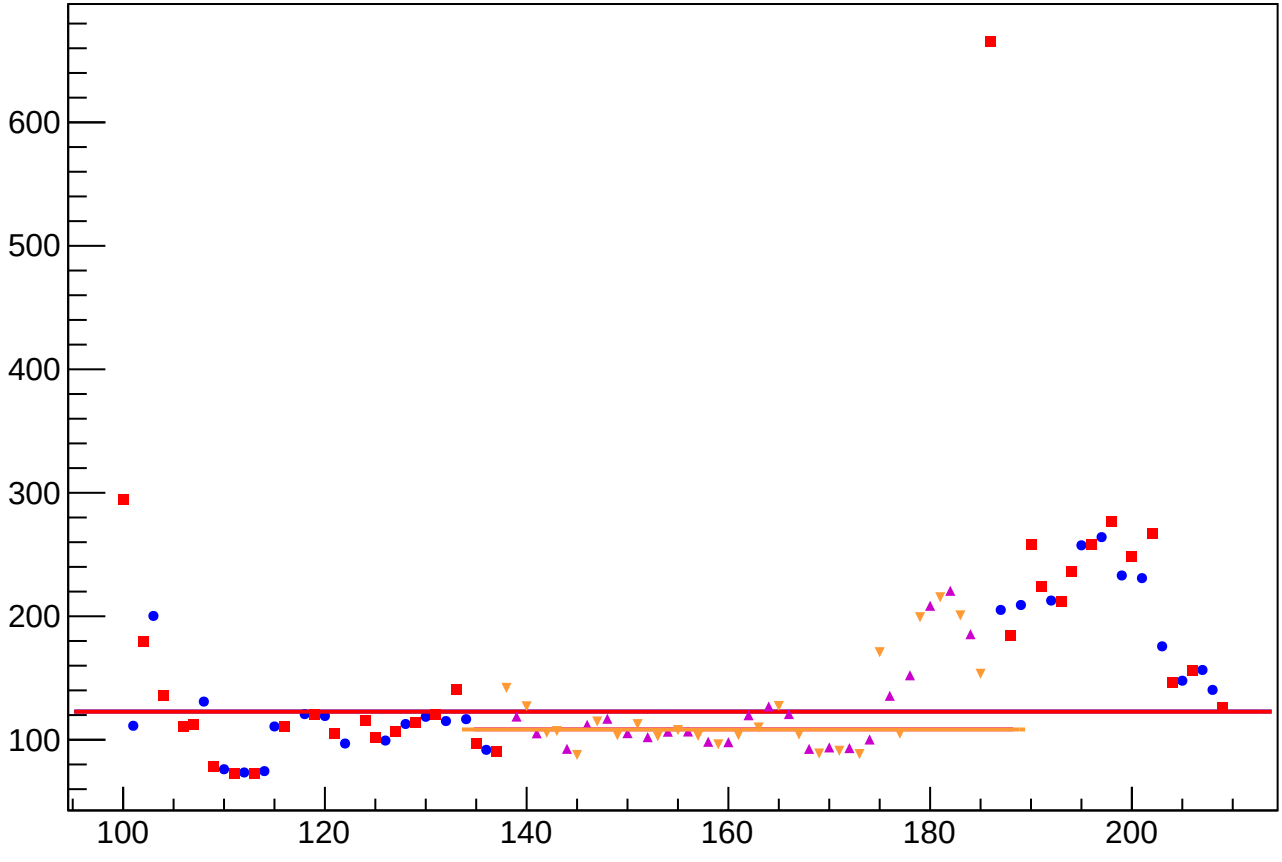
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 22.313+/-20.321 χ^2/NDF: 45.2/51

All: -7.645+/-14.424 χ^2/NDF: 135.9/106

- sign -38.069+/-20.478 χ^2/NDF: 86.4/54

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 122.869+/-0.024 χ^2/NDF: 3902539.0/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

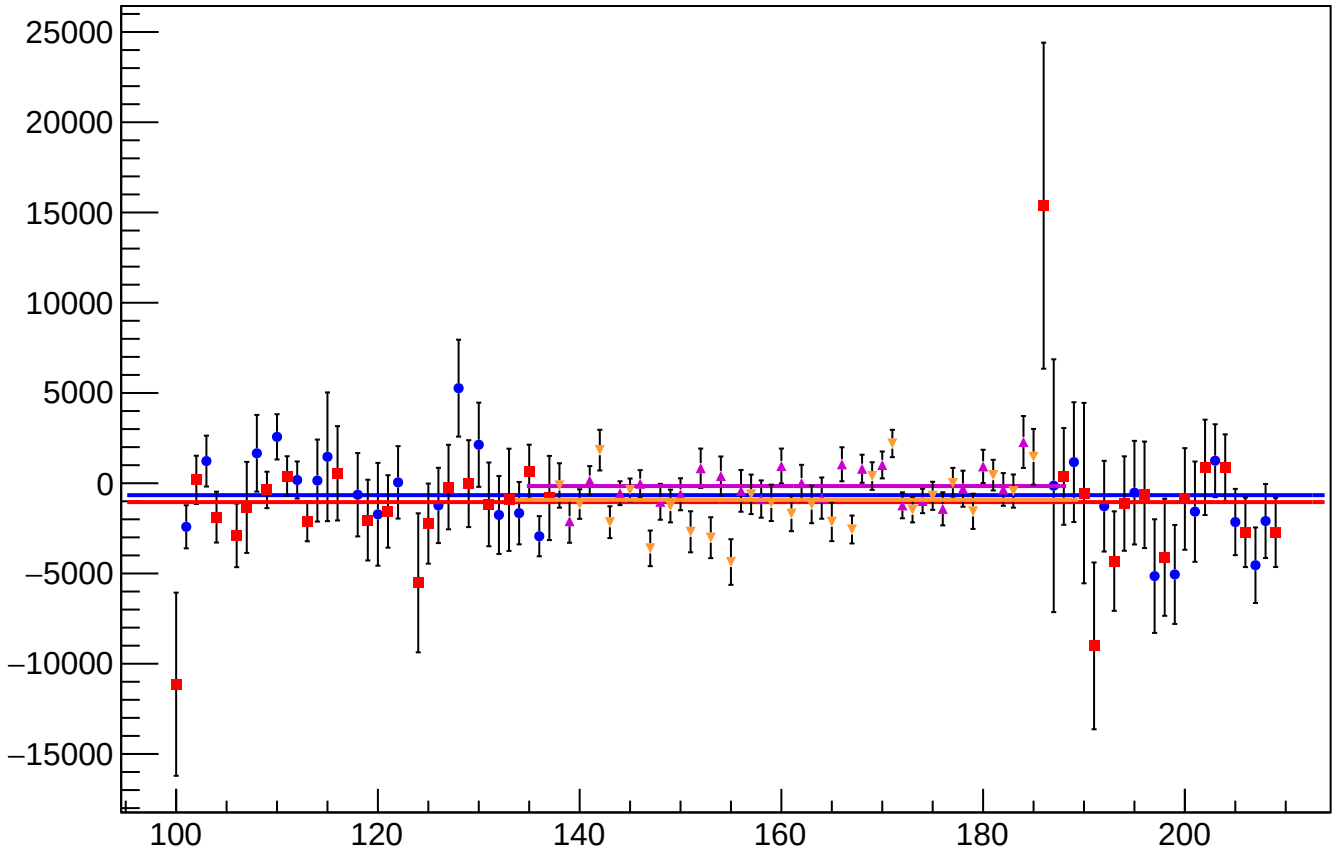
Right Out: 122.763+/-0.023 χ^2/NDF: 5367572.0/31

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

\+ sign 113.697+/-0.014 χ^2/NDF: 5915558.1/51

All: 113.902+/-0.010 χ^2/NDF: 12894744.8/10

\- sign 114.111+/-0.014 χ^2/NDF: 6978776.4/54



Right In: -660.792+/-364.854 χ^2/NDF: 34.9/26

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

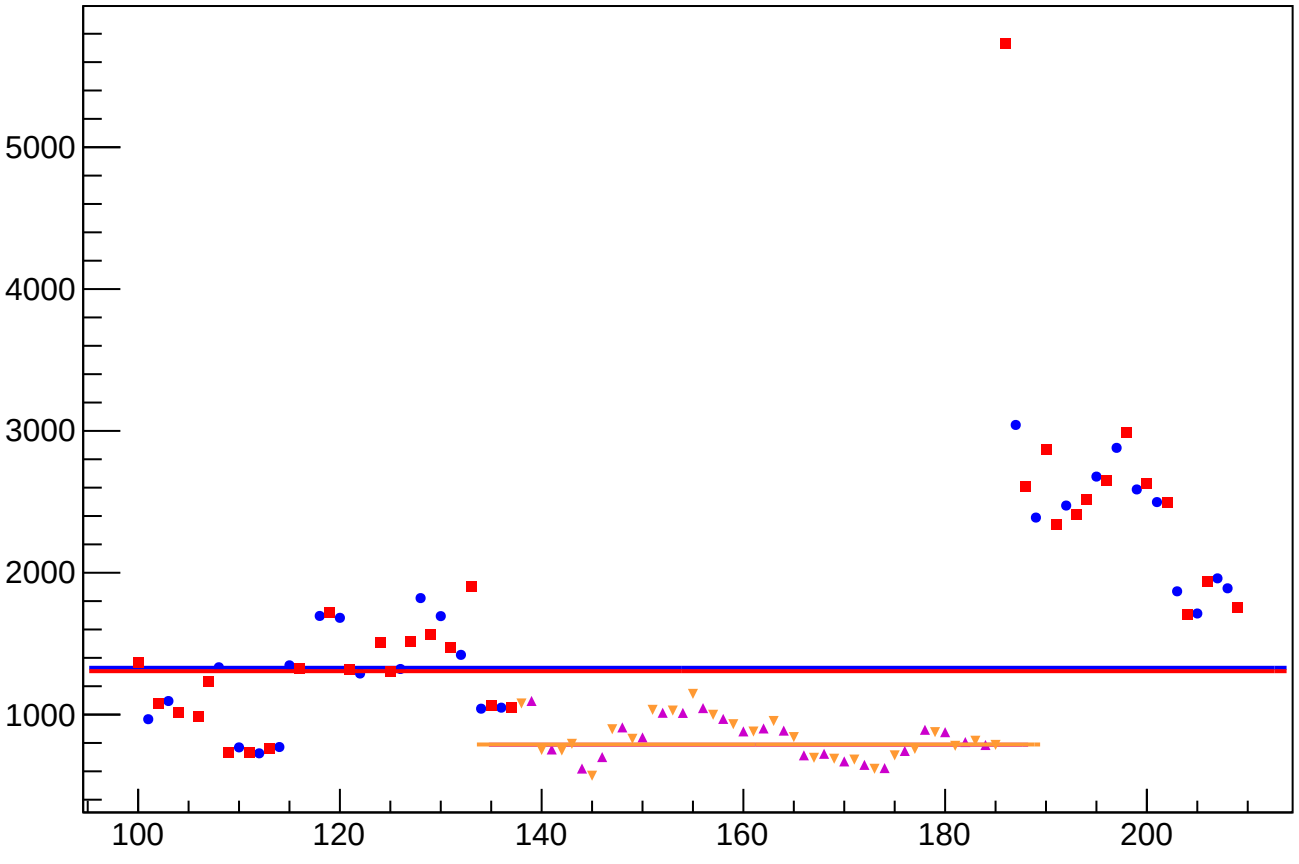
Right Out: -1045.252+/-349.217 χ^2/NDF: 25.2/31

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -867.130+/-163.192 χ^2/NDF: 99.4/51

All: -613.412+/-116.004 χ^2/NDF: 157.6/106

- sign -354.256+/-164.932 χ^2/NDF: 53.3/54



Right In: 1329.908+/-0.258 χ^2/NDF: 4832769.8/26

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1306.032+/-0.247 χ^2/NDF: 6383564.5/31

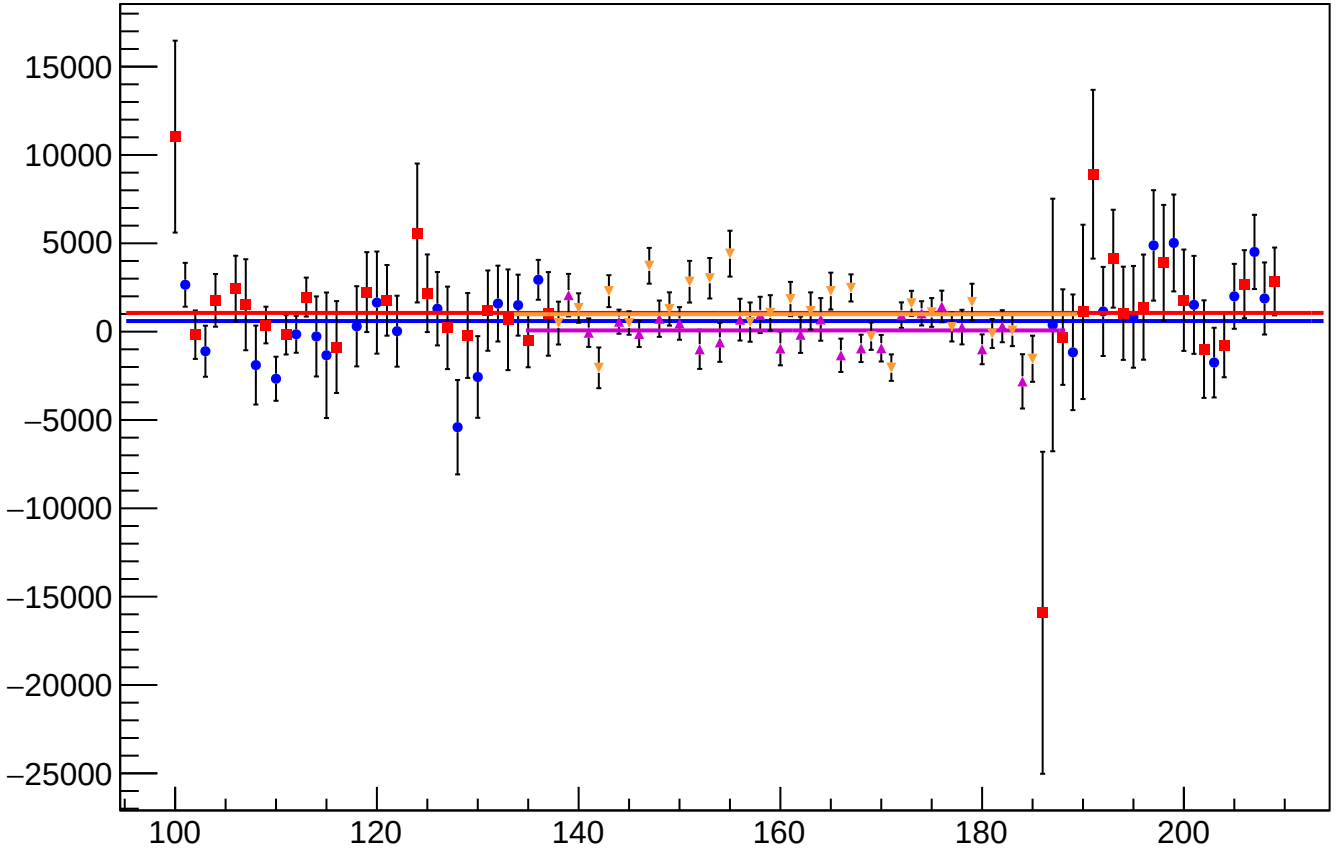
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 897.412+/-0.115 χ^2/NDF: 9522729.3/51

All: 900.214+/-0.082 χ^2/NDF: 20376291.7/10

- sign 903.076+/-0.117 χ^2/NDF: 10852370.7/54

asym_sam_3748_avg_mean vs Slug



Right In: 599.953+/-367.719 χ^2/NDF: 36.0/26

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1060.880+/-354.380 χ^2/NDF: 22.9/31

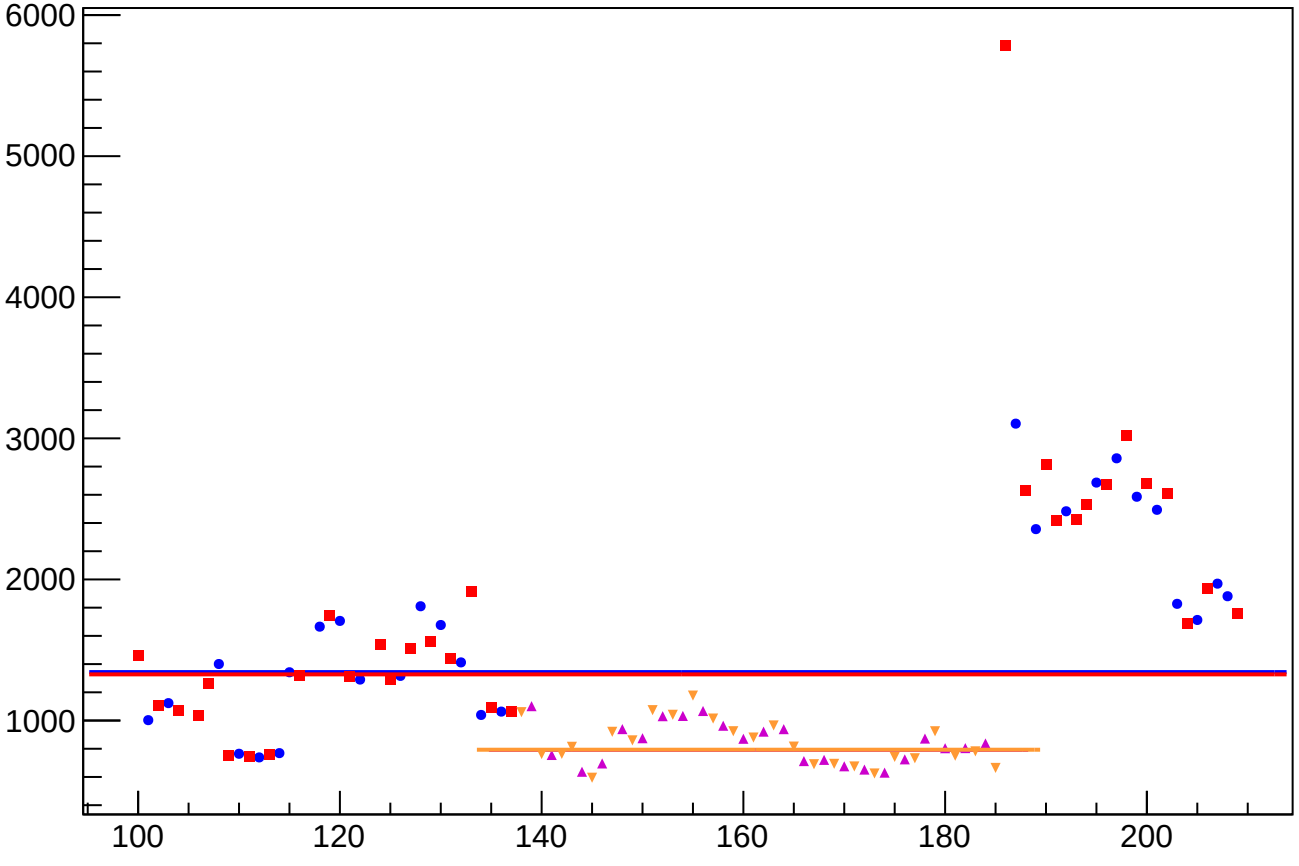
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 908.689+/-164.264 χ^2/NDF: 100.6/51

All: 601.676+/-116.796 χ^2/NDF: 161.1/106

- sign 287.756+/-166.102 χ^2/NDF: 53.4/54

asym_sam_3748_avg_rms vs Slug



Right In: 1343.289+/-0.260 χ^2/NDF: 4690625.9/26

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

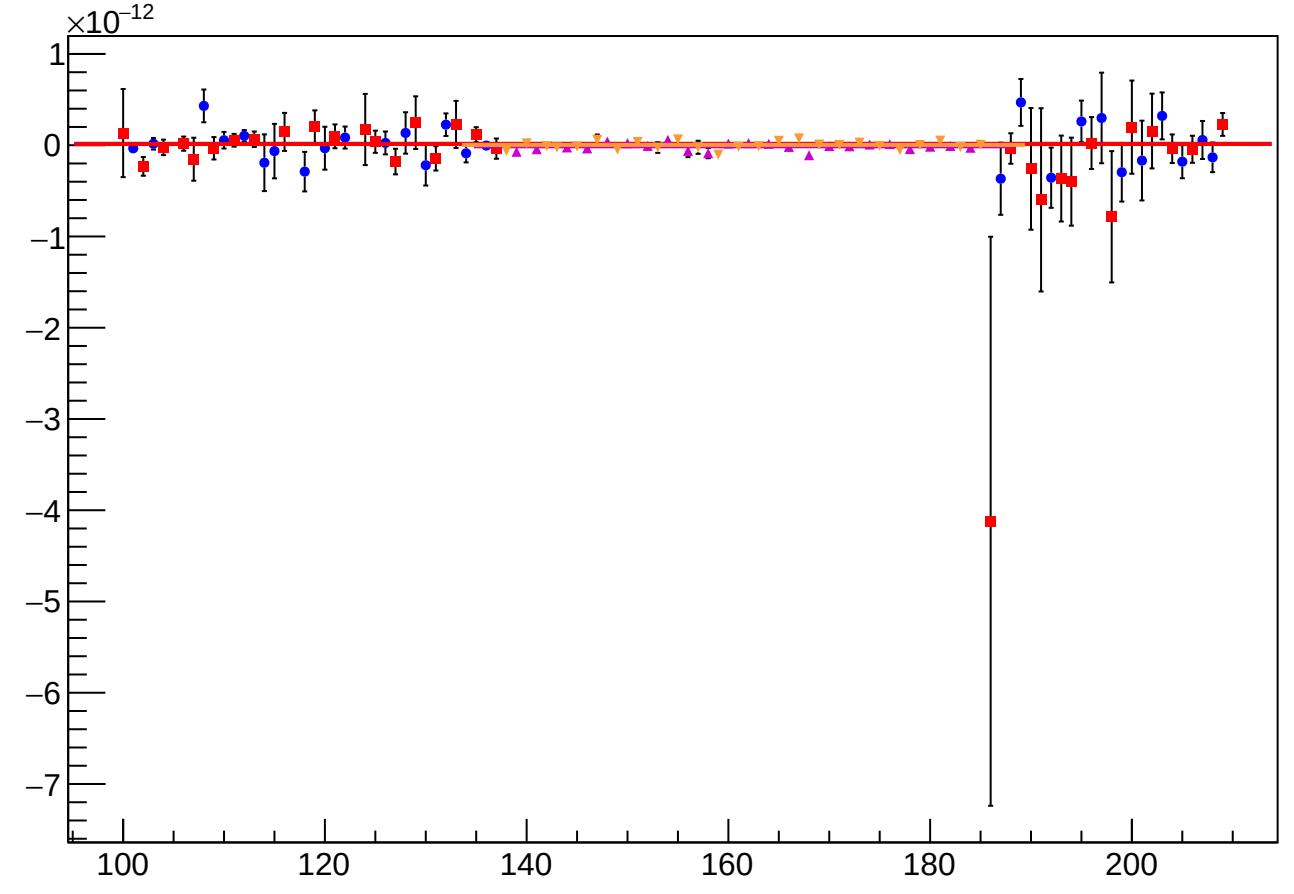
Right Out: 1327.204+/-0.251 χ^2/NDF: 6278129.5/31

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 902.851+/-0.116 χ^2/NDF: 9469128.1/51

All: 905.852+/-0.083 χ^2/NDF: 20368534.5/10

- sign 908.920+/-0.117 χ^2/NDF: 10898056.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

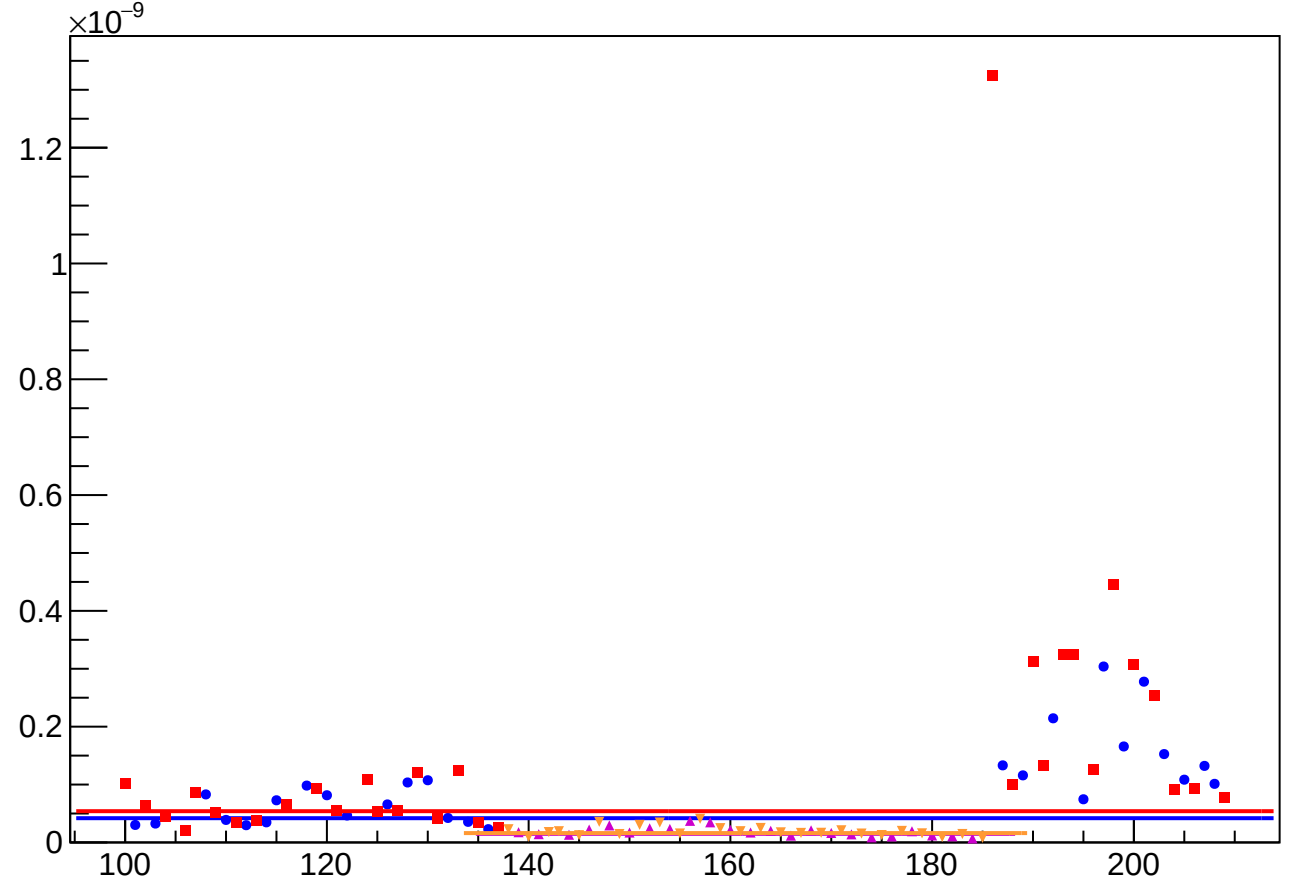
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/31

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/51

All: -0.000+/-0.000 χ^2/NDF: 116.1/106

- sign -0.000+/-0.000 χ^2/NDF: 50.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 4994362.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5447535.6/31

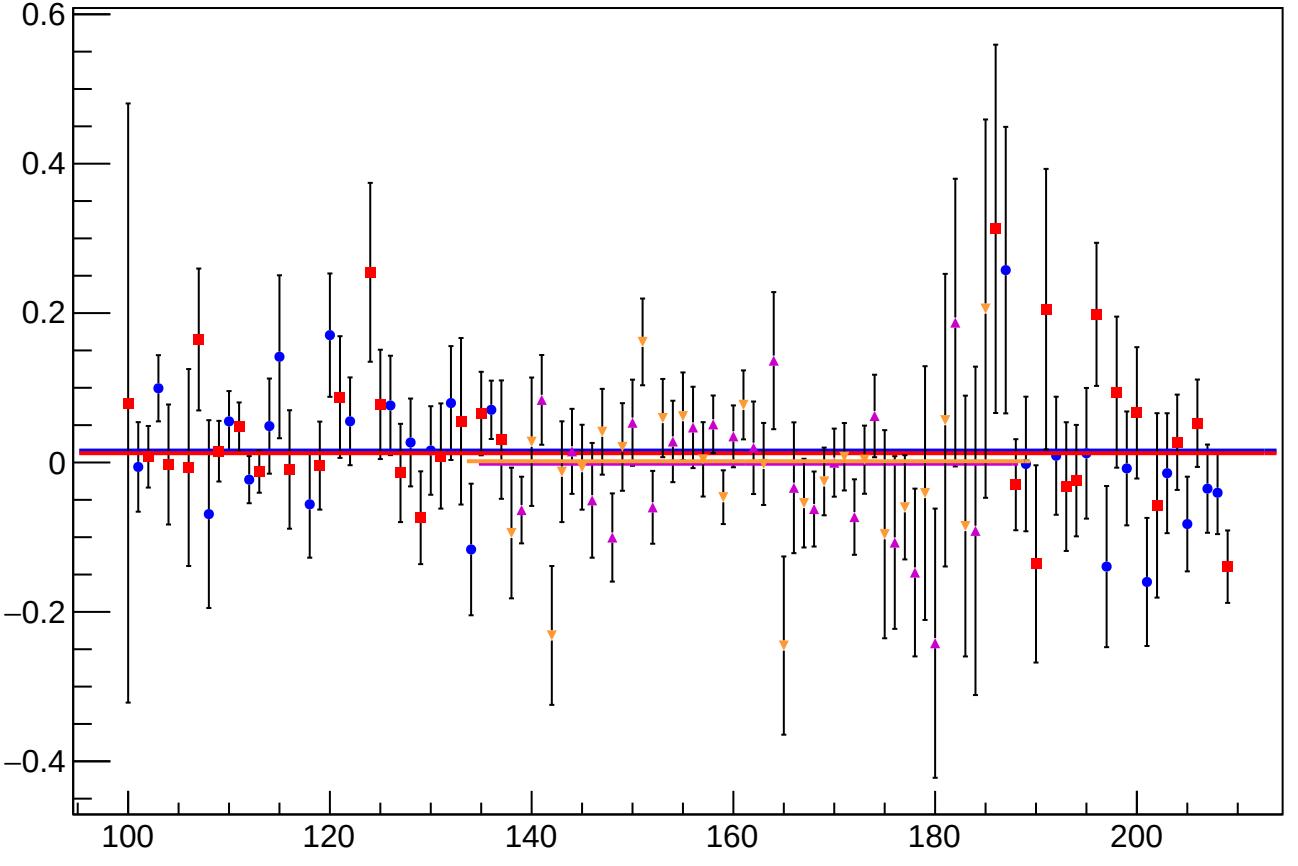
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9469313.2/51

All: 0.000+/-0.000 χ^2/NDF: 21226863.0/106

- sign 0.000+/-0.000 χ^2/NDF: 11722834.8/54

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.012+/-0.011 χ^2/NDF: 33.9/31

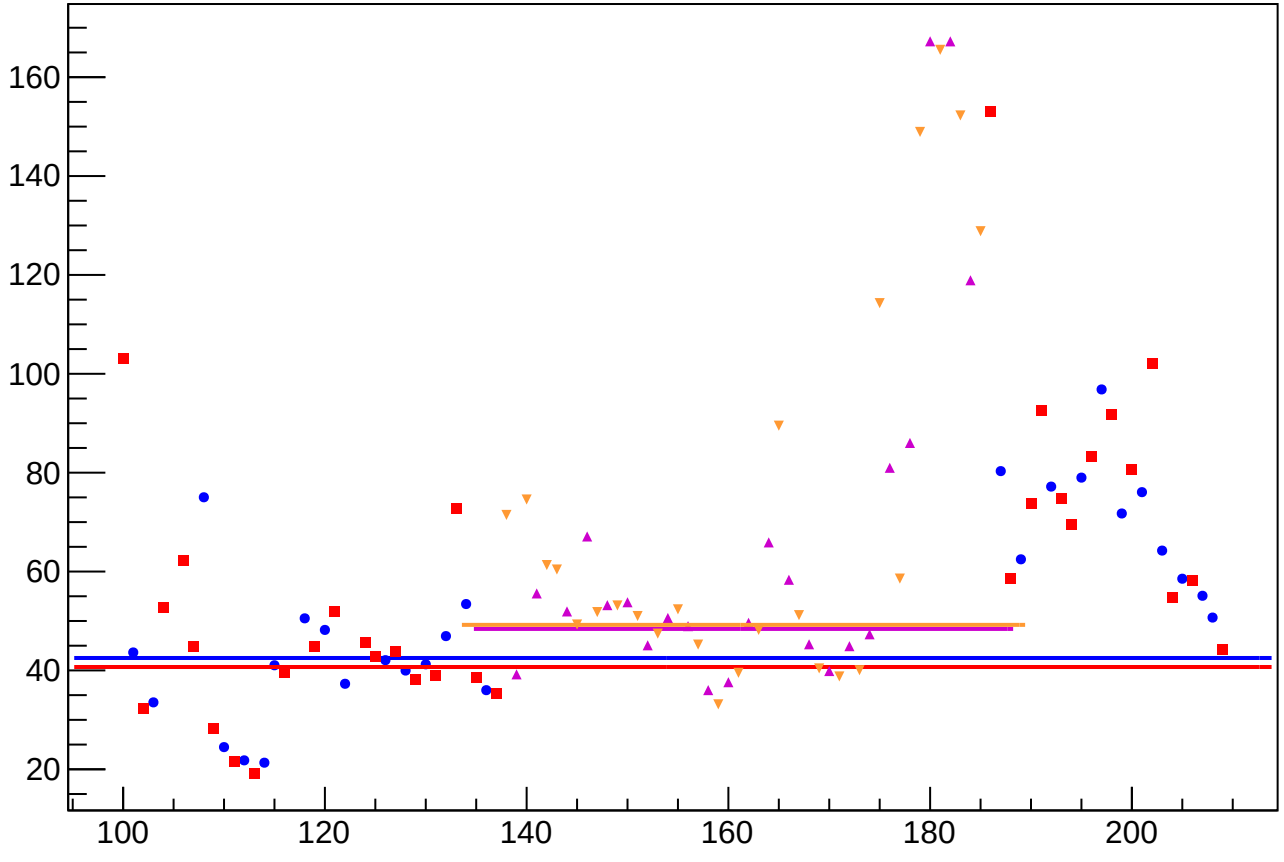
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.007+/-0.006 χ^2/NDF: 123.1/106

- sign 0.006+/-0.008 χ^2/NDF: 60.7/54

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

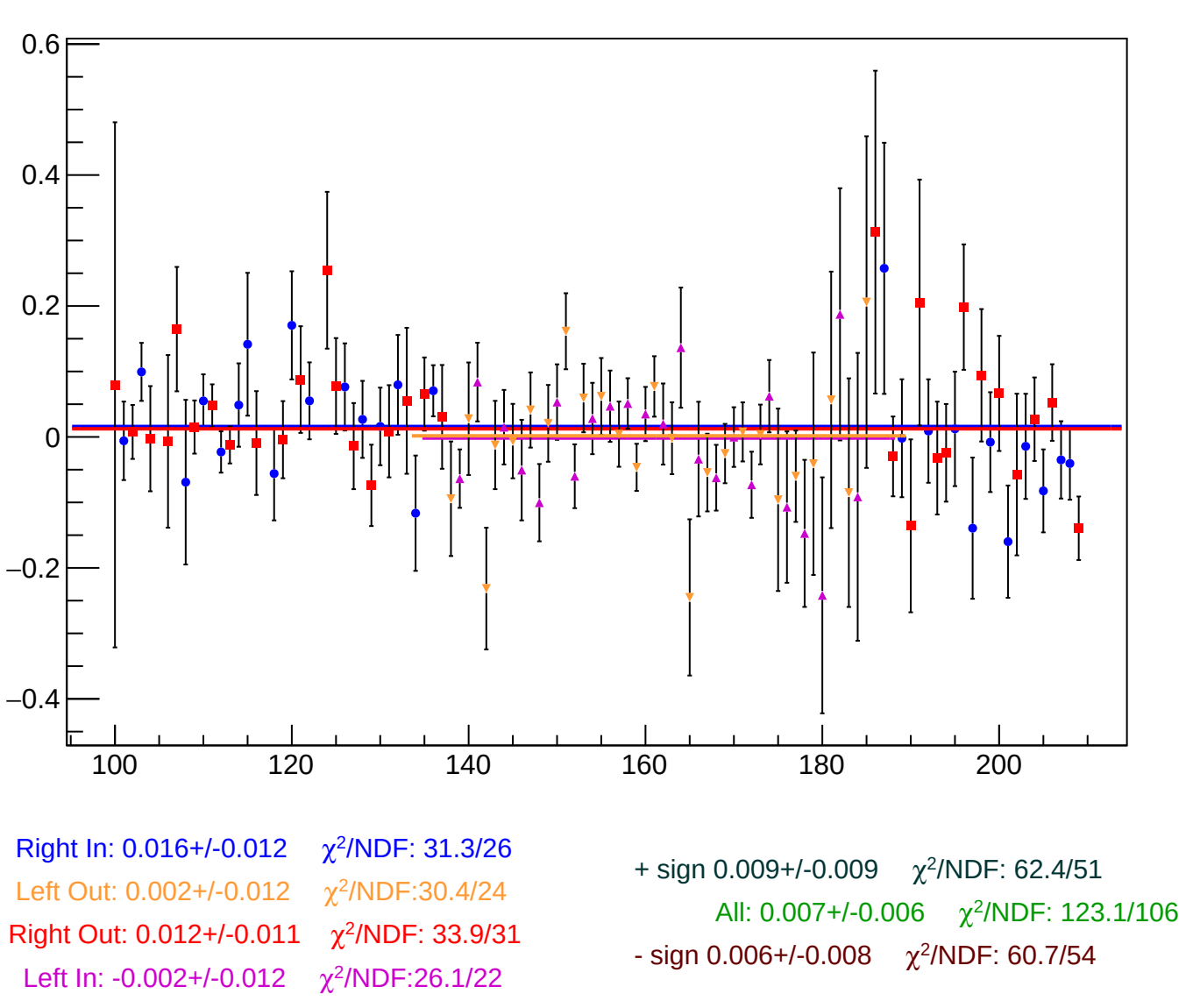
Right Out: 40.692+/-0.008 χ^2/NDF: 6078512.2/31

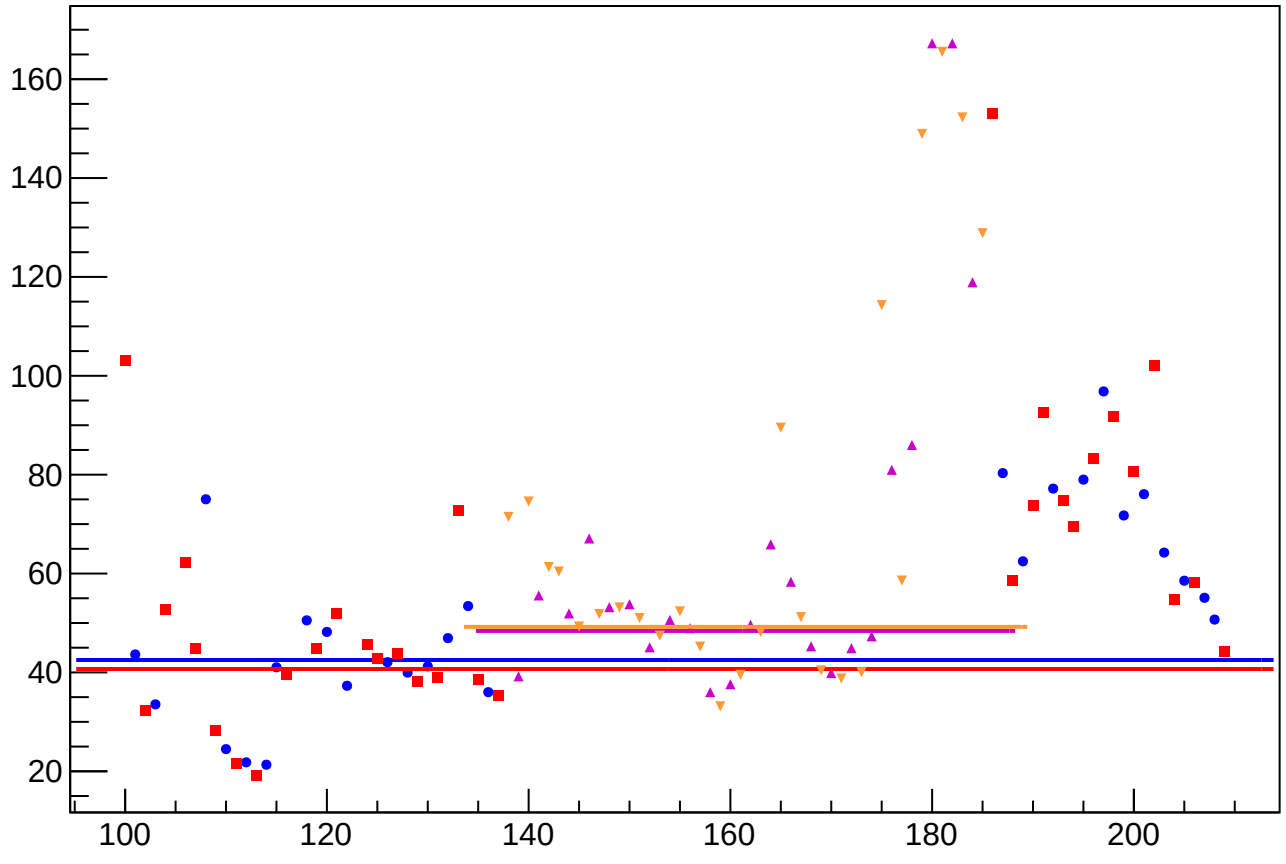
Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745396.9/51

All: 44.955+/-0.004 χ^2/NDF: 18314936.4/106

- sign 44.188+/-0.006 χ^2/NDF: 9534822.4/54


asym_sam_3748_avg_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: 0.016+/-0.012 χ²/NDF: 31.3/26
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.012+/-0.011 χ²/NDF: 33.9/31
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.009+/-0.009 χ²/NDF: 62.4/51
All: 0.007+/-0.006 χ²/NDF: 123.1/106
- sign 0.006+/-0.008 χ²/NDF: 60.7/54



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

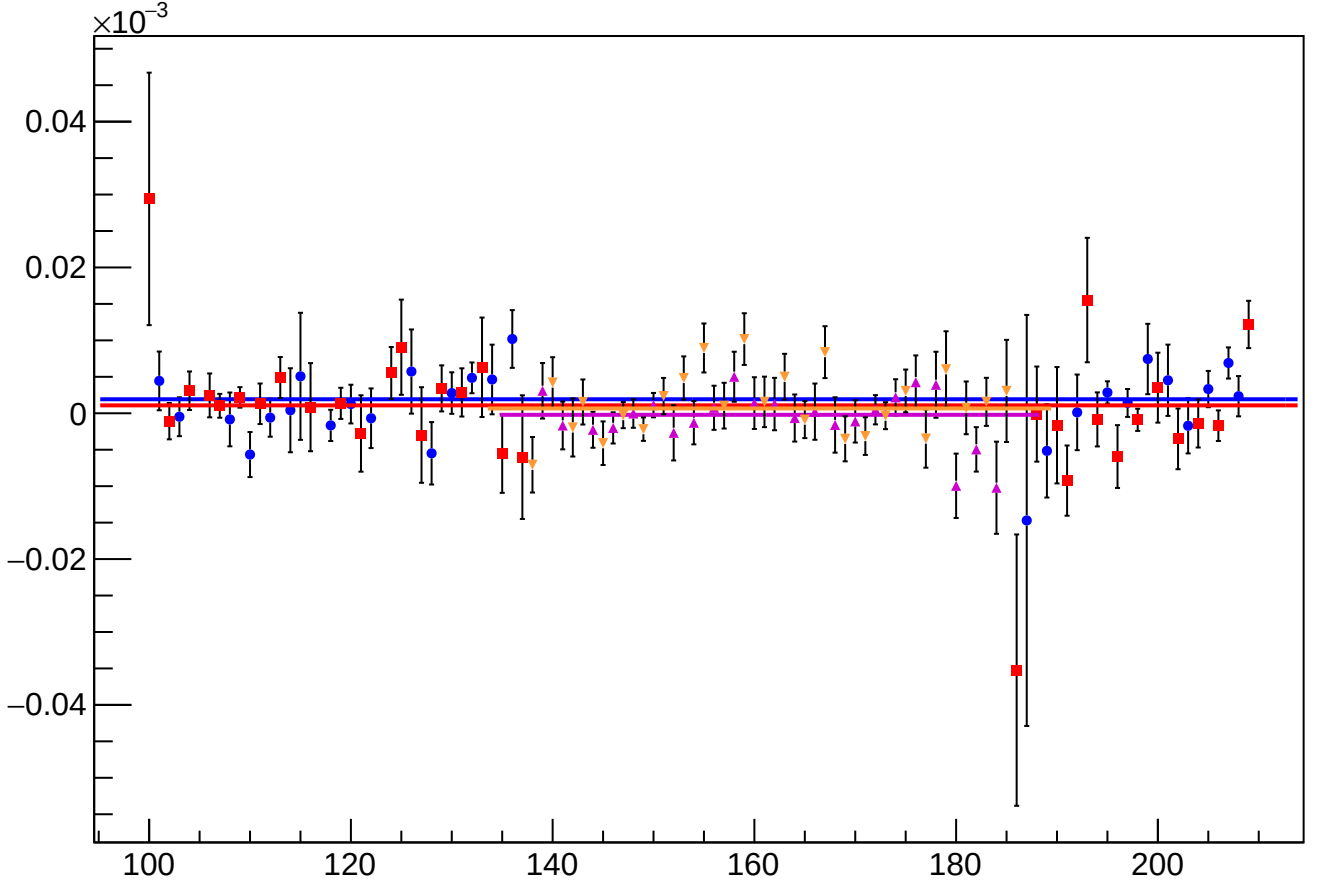
Right Out: 40.692+/-0.008 χ^2/NDF: 6078512.2/31

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745396.9/51

All: 44.955+/-0.004 χ^2/NDF: 18314936.4/106

- sign 44.188+/-0.006 χ^2/NDF: 9534822.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

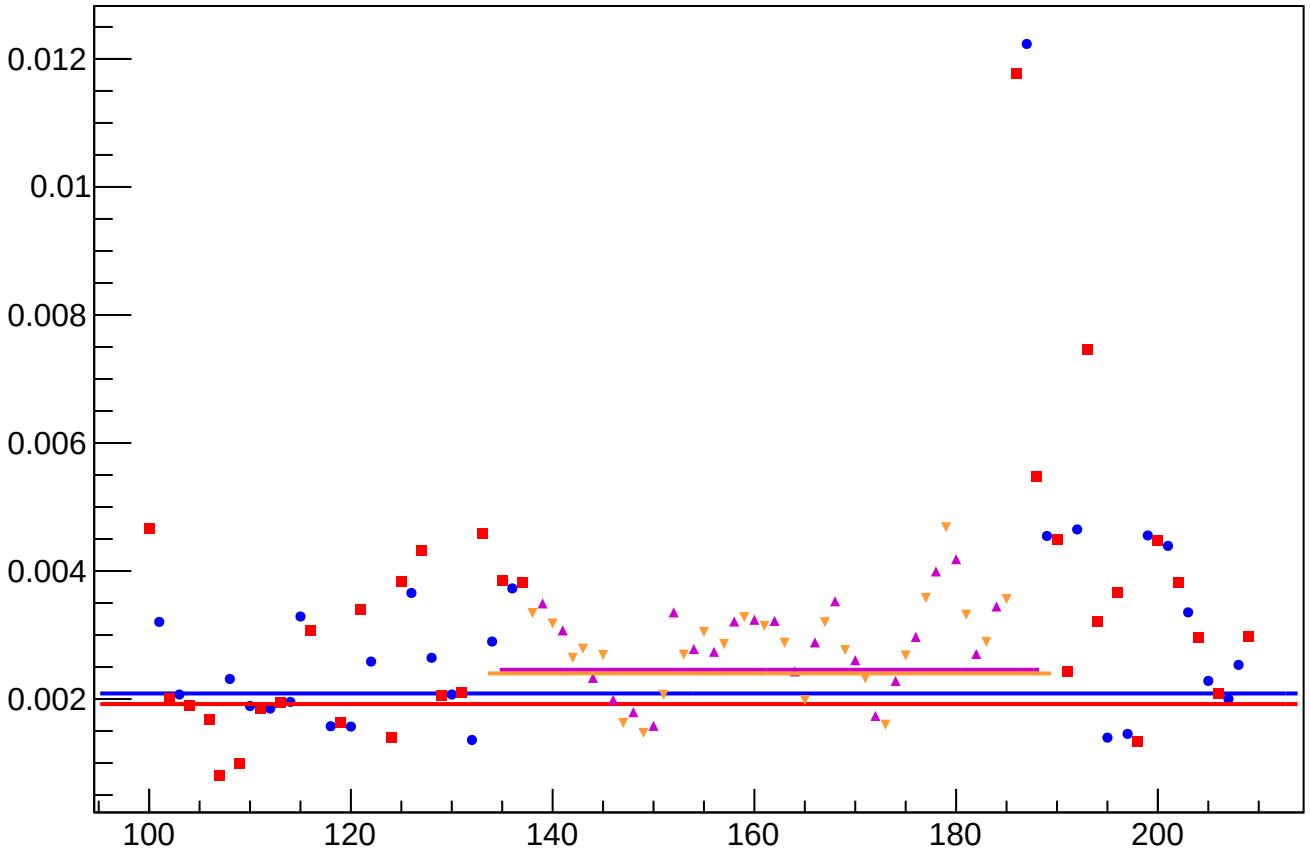
Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/31

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.8/51

All: 0.000+/-0.000 χ^2/NDF: 146.8/106

- sign 0.000+/-0.000 χ^2/NDF: 68.1/54



Right In: 0.002+/-0.000 χ^2/NDF: 4192902.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

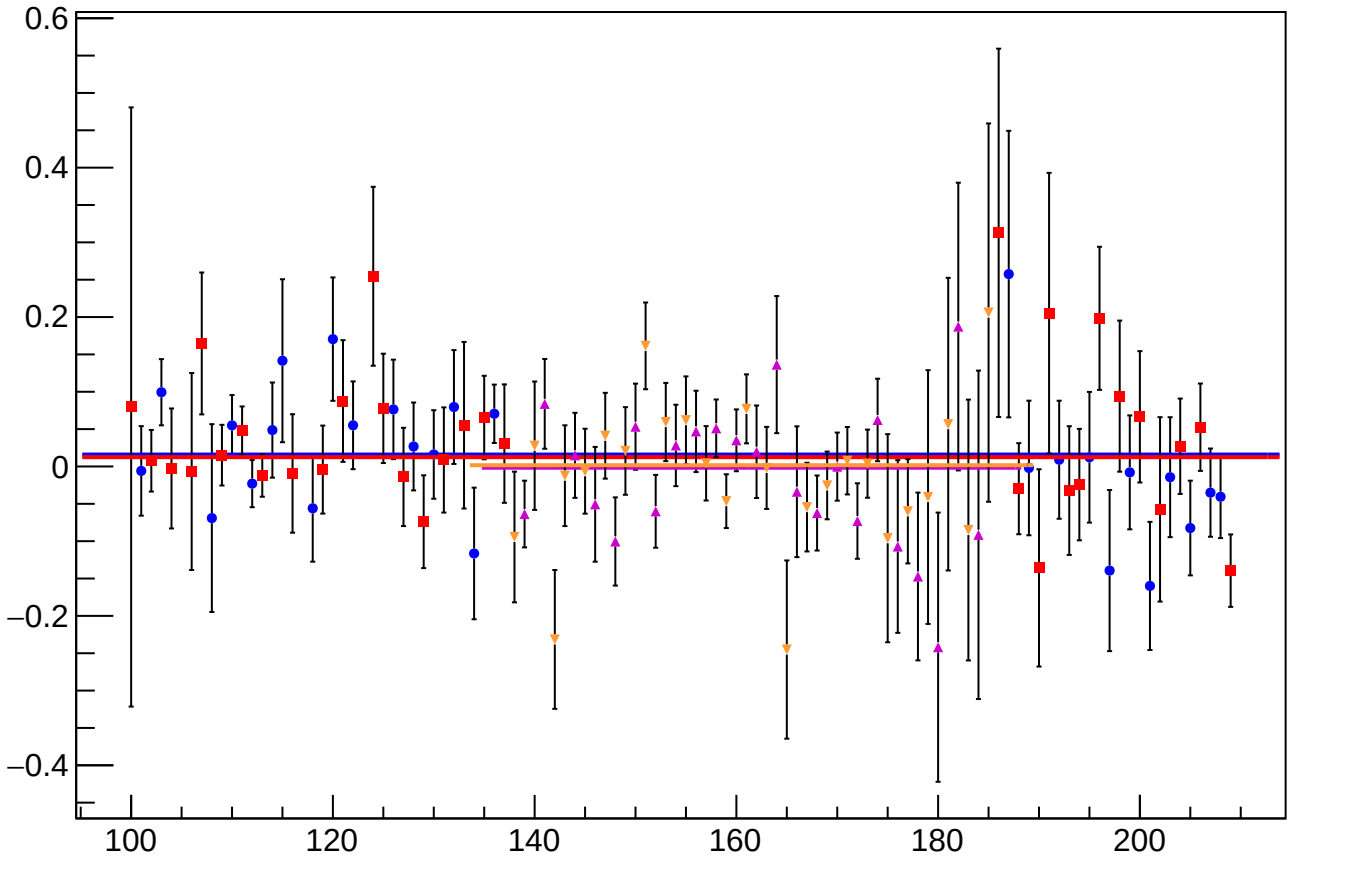
Right Out: 0.002+/-0.000 χ^2/NDF: 7794055.5/31

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7611240.8/51

All: 0.002+/-0.000 χ^2/NDF: 18950807.2/106

- sign 0.002+/-0.000 χ^2/NDF: 11296554.1/54



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

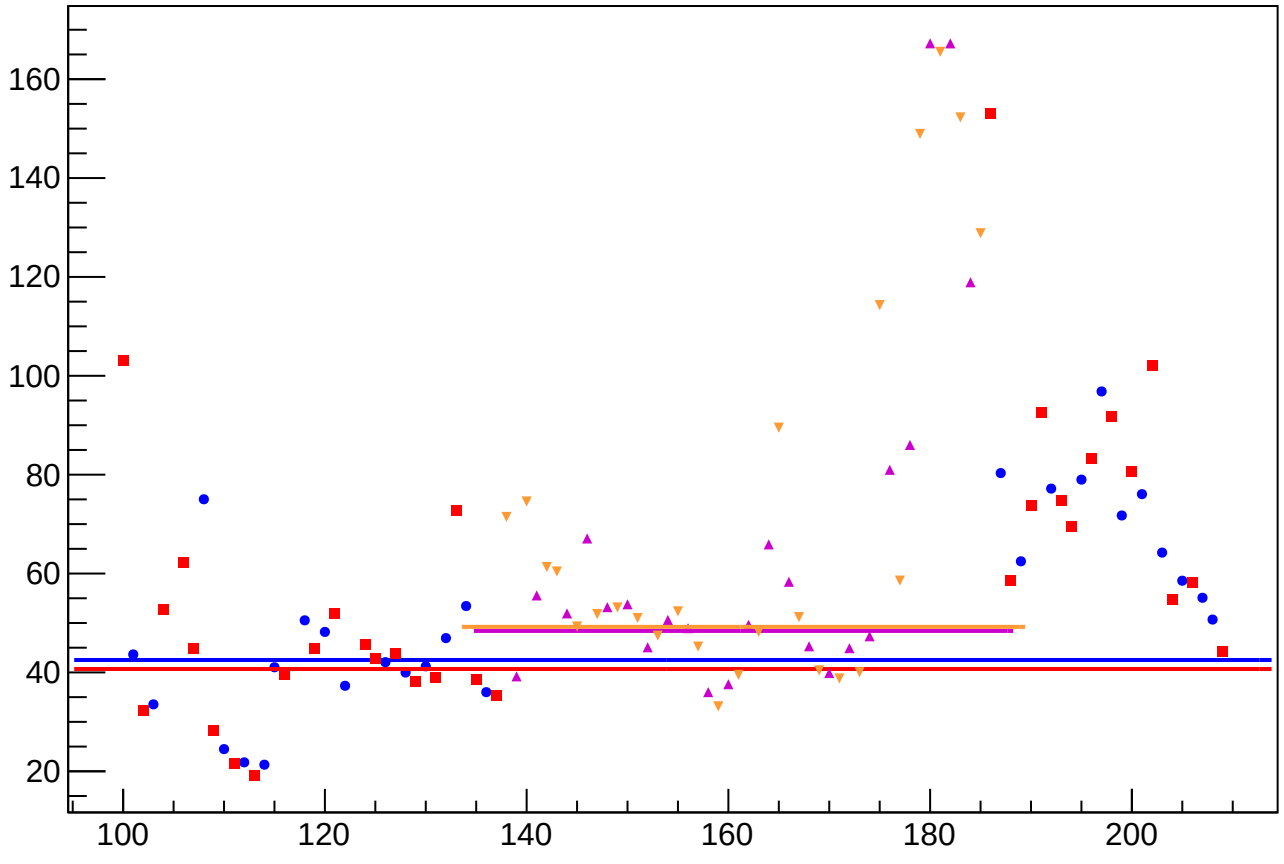
Right Out: 0.012+/-0.011 χ^2/NDF: 33.9/31

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.007+/-0.006 χ^2/NDF: 123.1/106

- sign 0.006+/-0.008 χ^2/NDF: 60.7/54



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

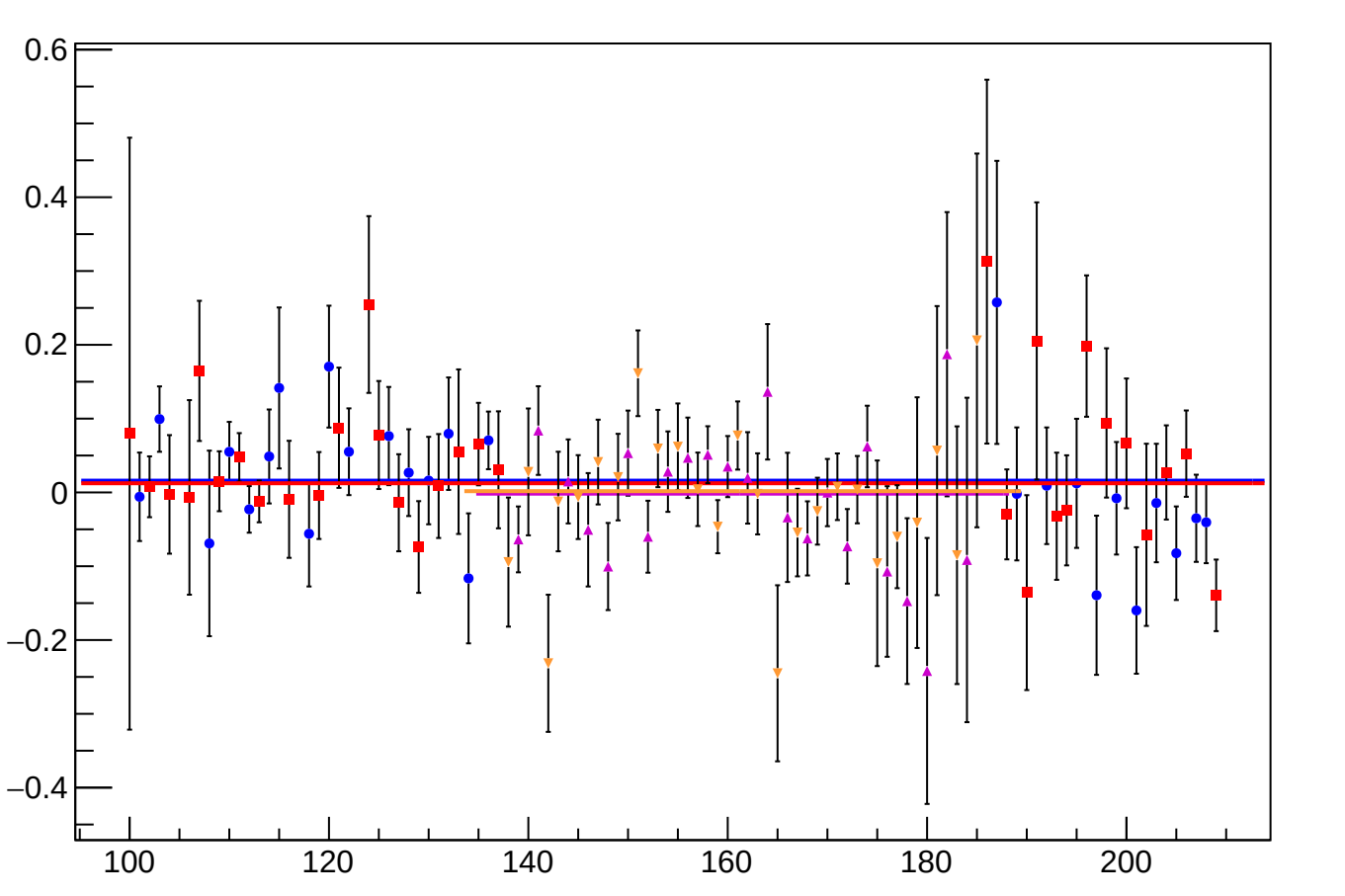
Right Out: 40.693+/-0.008 χ^2/NDF: 6078450.8/31

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745260.7/51

All: 44.955+/-0.004 χ^2/NDF: 18314706.9/106

- sign 44.189+/-0.006 χ^2/NDF: 9534731.5/54



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

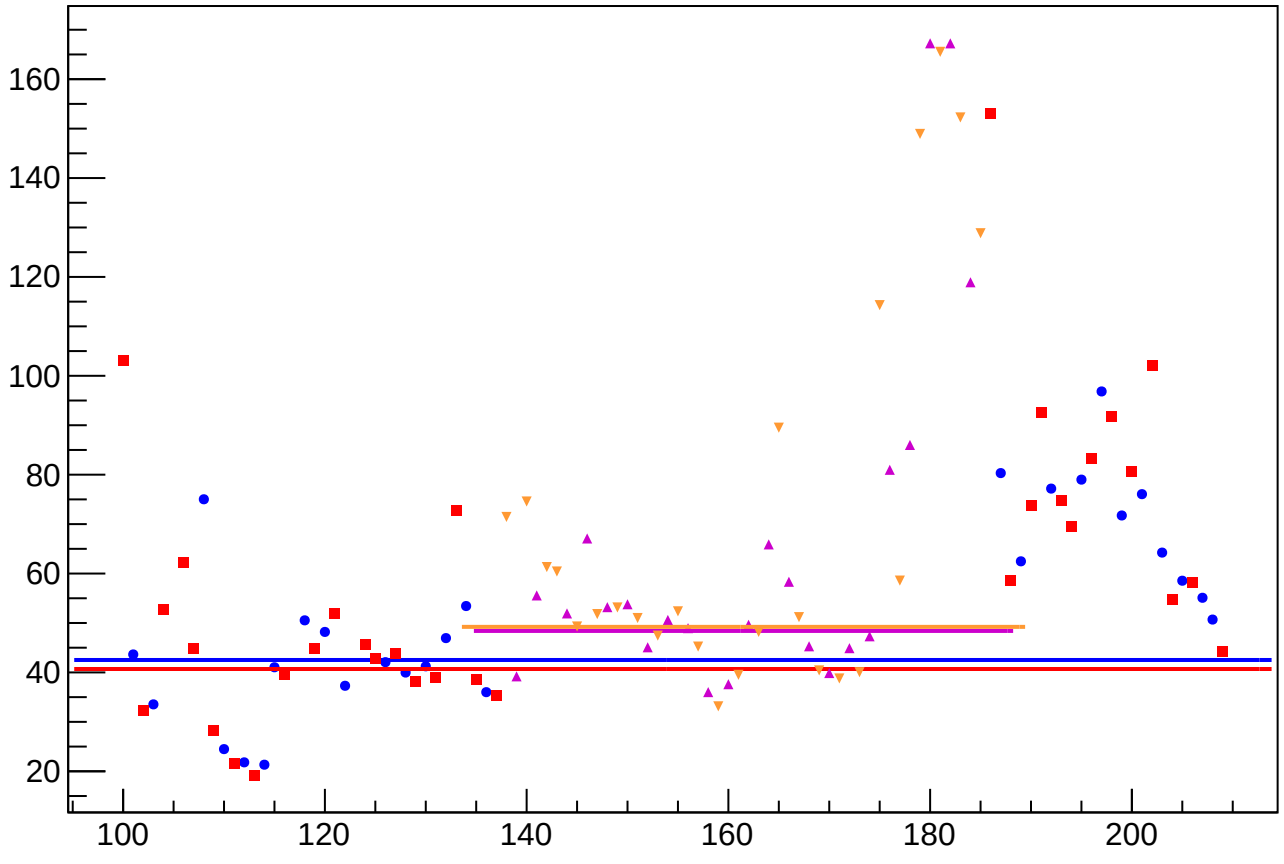
Right Out: 0.012+/-0.011 χ^2/NDF: 33.9/31

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 62.4/51

All: 0.007+/-0.006 χ^2/NDF: 123.1/106

- sign 0.006+/-0.008 χ^2/NDF: 60.7/54



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

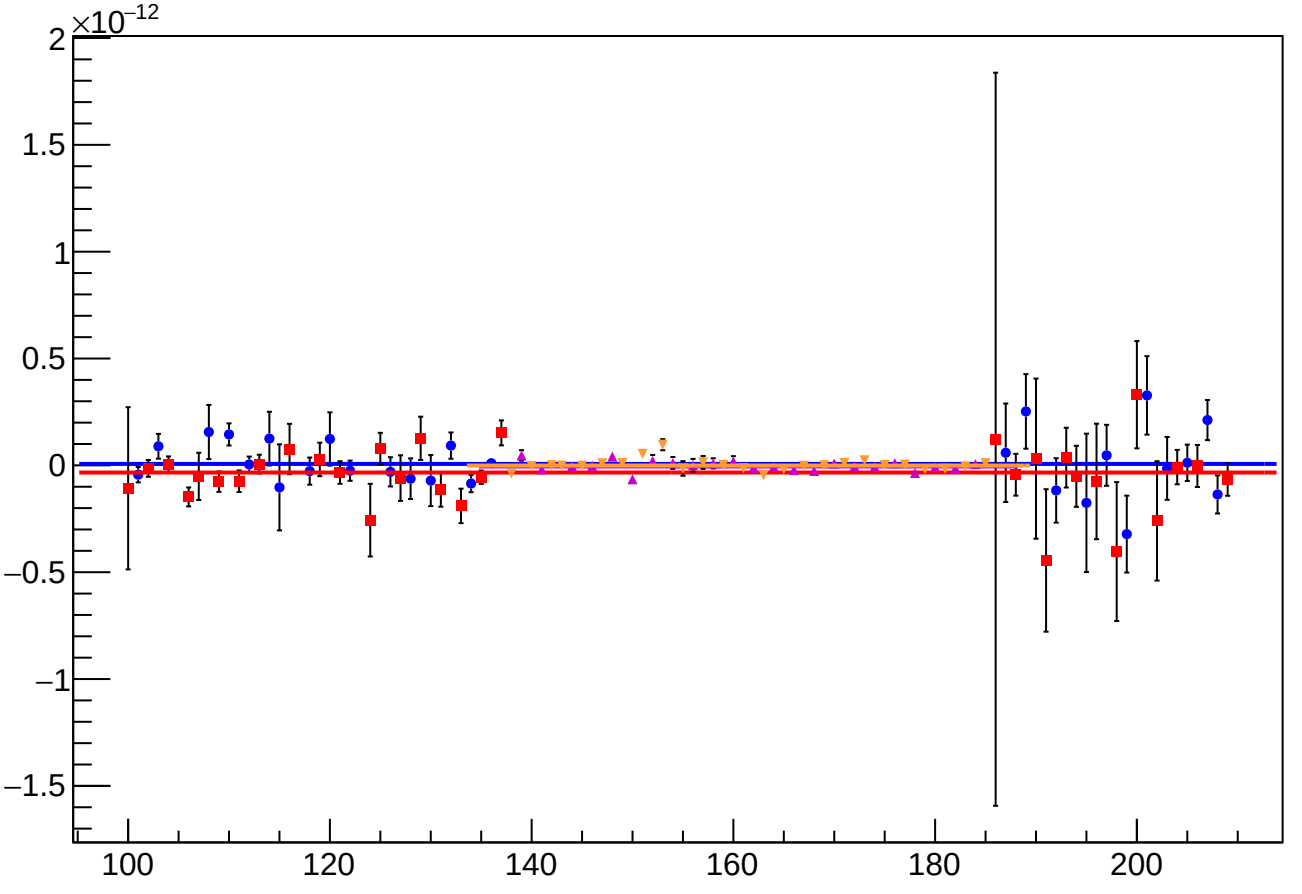
Right Out: 40.693+/-0.008 χ^2/NDF: 6078450.8/31

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.763+/-0.006 χ^2/NDF: 8745260.7/51

All: 44.955+/-0.004 χ^2/NDF: 18314706.9/106

- sign 44.189+/-0.006 χ^2/NDF: 9534731.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

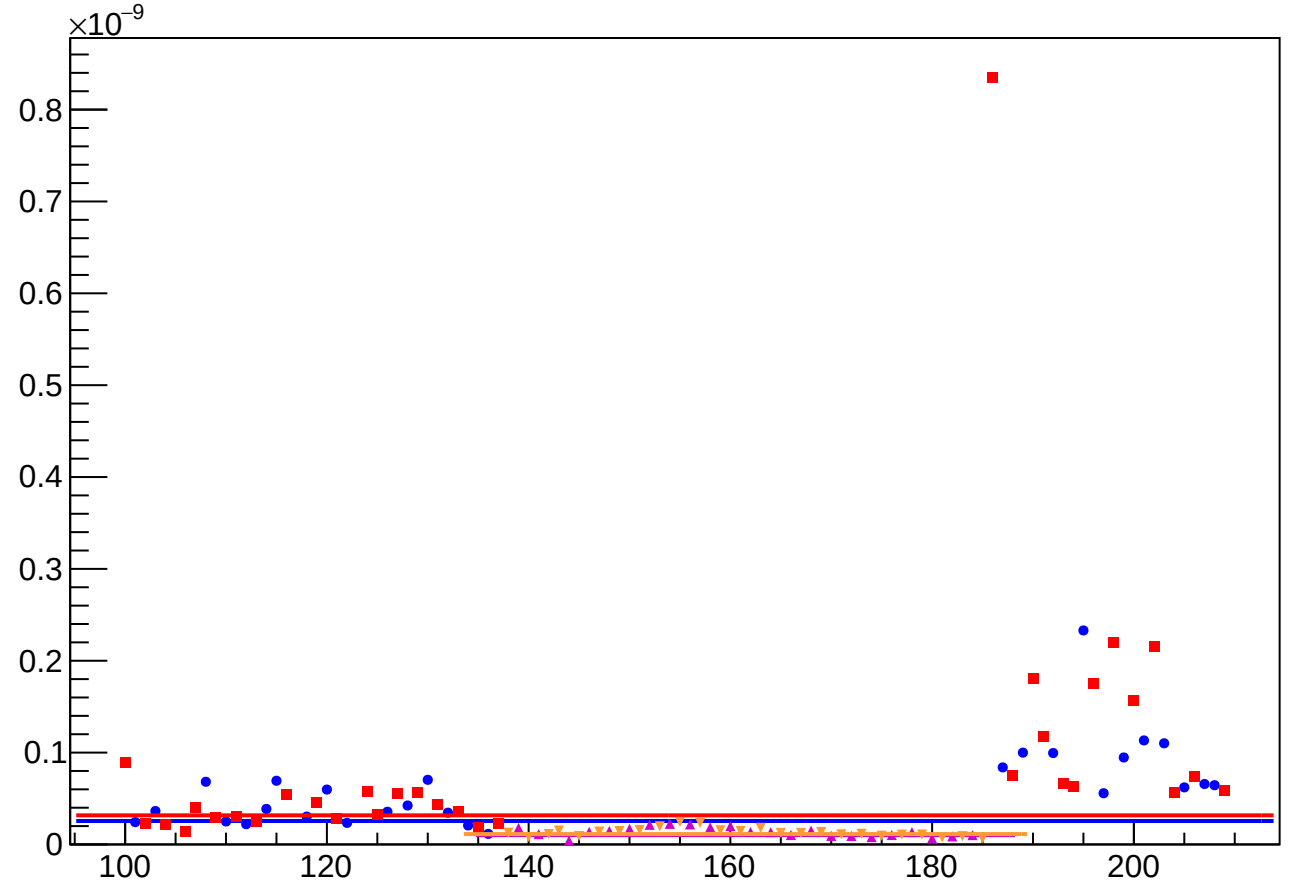
Right Out: -0.000+/-0.000 χ^2/NDF: 39.8/31

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.8/51

All: -0.000+/-0.000 χ^2/NDF: 153.4/106

- sign -0.000+/-0.000 χ^2/NDF: 73.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 6790397.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6447287.4/31

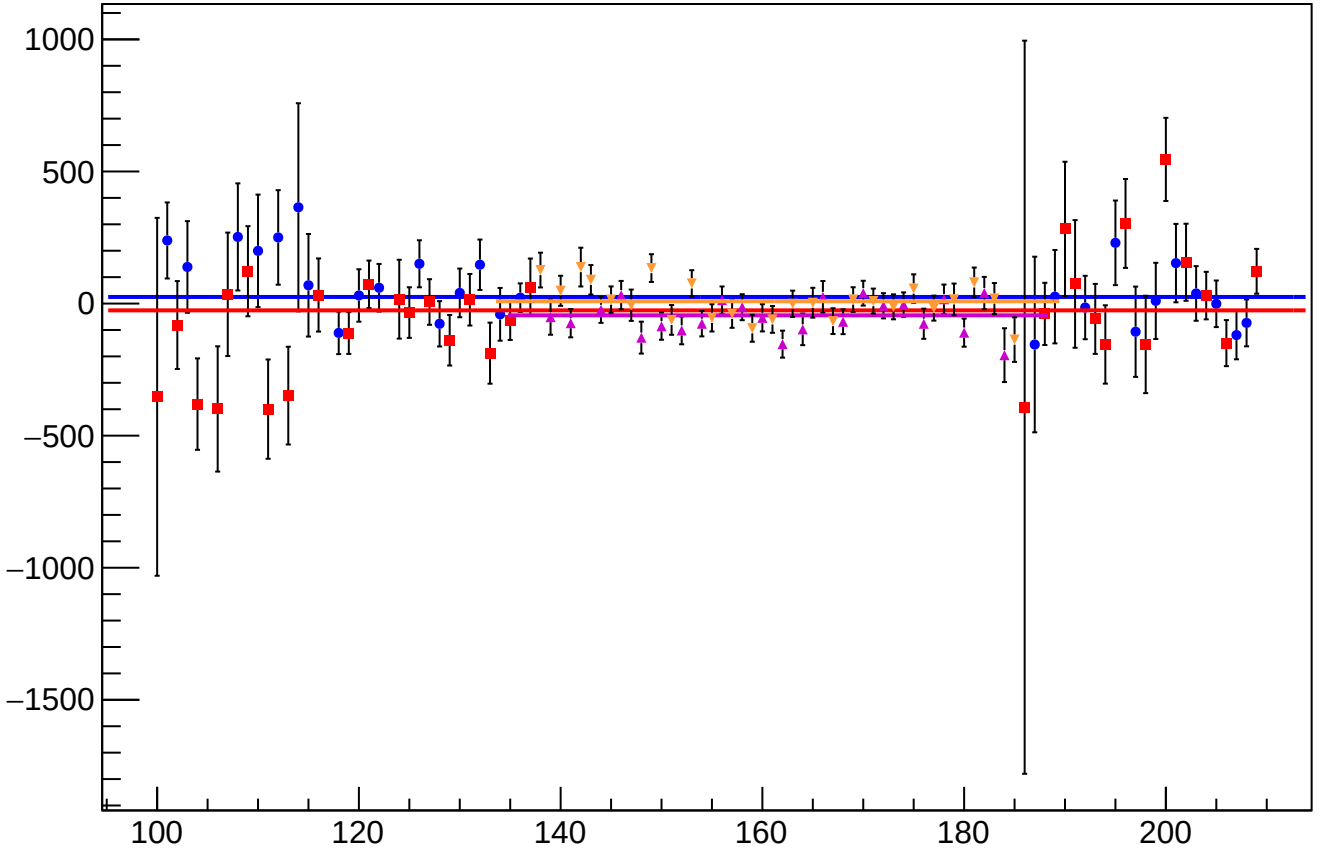
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12088653.6/51

All: 0.000+/-0.000 χ^2/NDF: 28389364.0/106

- sign 0.000+/-0.000 χ^2/NDF: 16203885.0/54

reg_asym_sam_1526_avg_mean vs Slug



Right In: 25.006+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -25.724+/-21.634 χ^2/NDF: 49.1/31

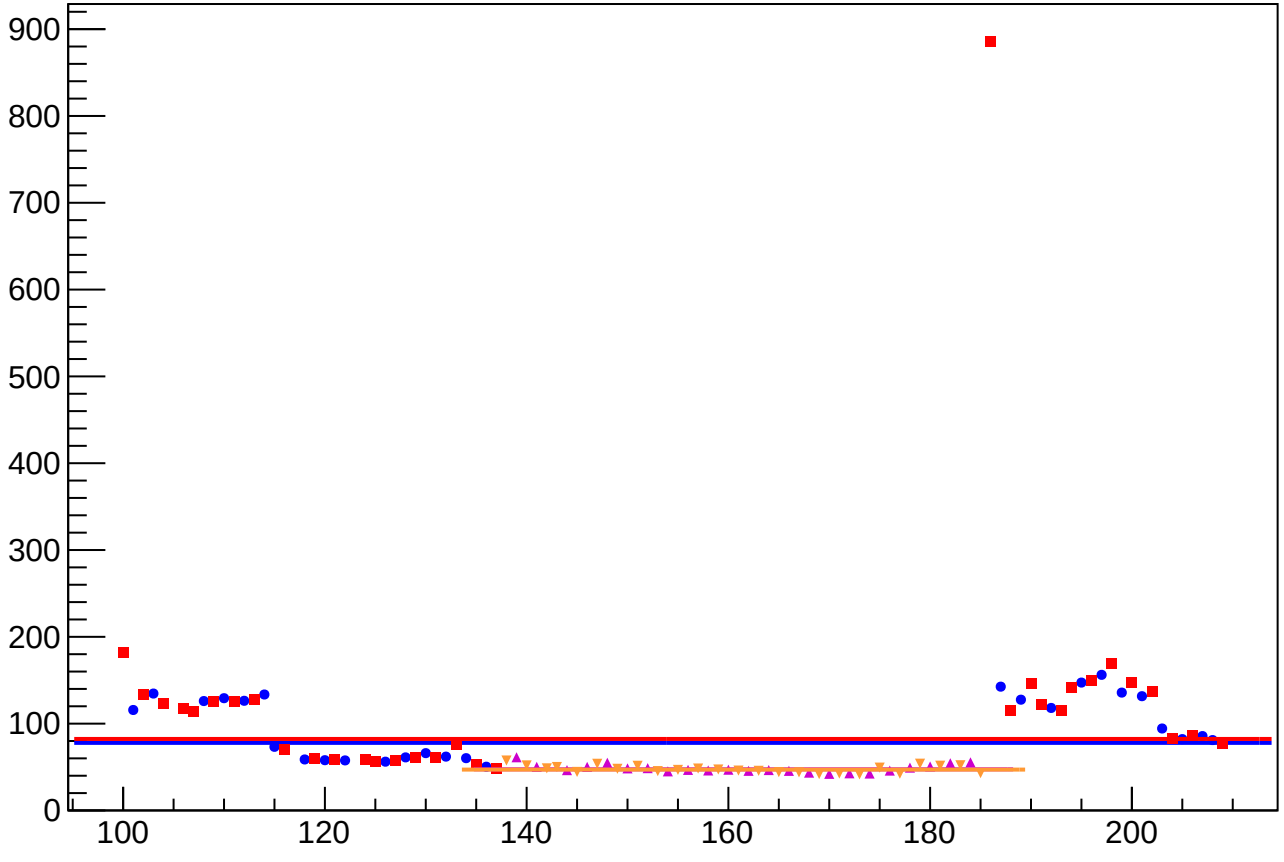
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 12.118+/-9.591 χ^2/NDF: 57.7/51

All: -13.375+/-6.892 χ^2/NDF: 149.1/106

- sign -40.593+/-9.910 χ^2/NDF: 76.7/54

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.858+/-0.015 χ^2/NDF: 3841208.4/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

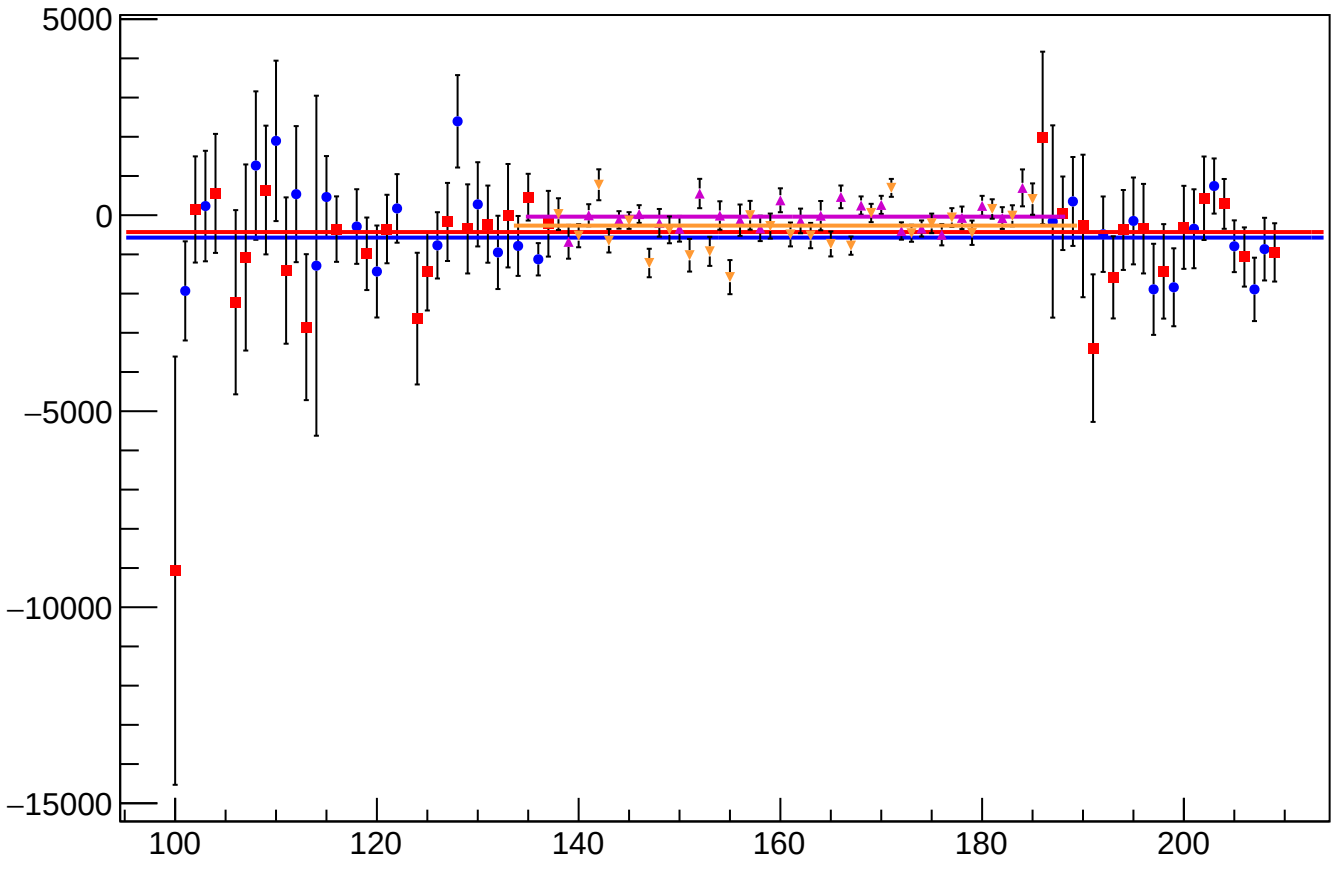
Right Out: 82.370+/-0.015 χ^2/NDF: 4994305.2/31

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.436+/-0.007 χ^2/NDF: 7512424.7/51

All: 54.059+/-0.005 χ^2/NDF: 16928342.7/106

- sign 54.725+/-0.007 χ^2/NDF: 9398446.9/54



Right In: -571.785+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -430.278+/-188.042 χ^2/NDF: 20.8/31

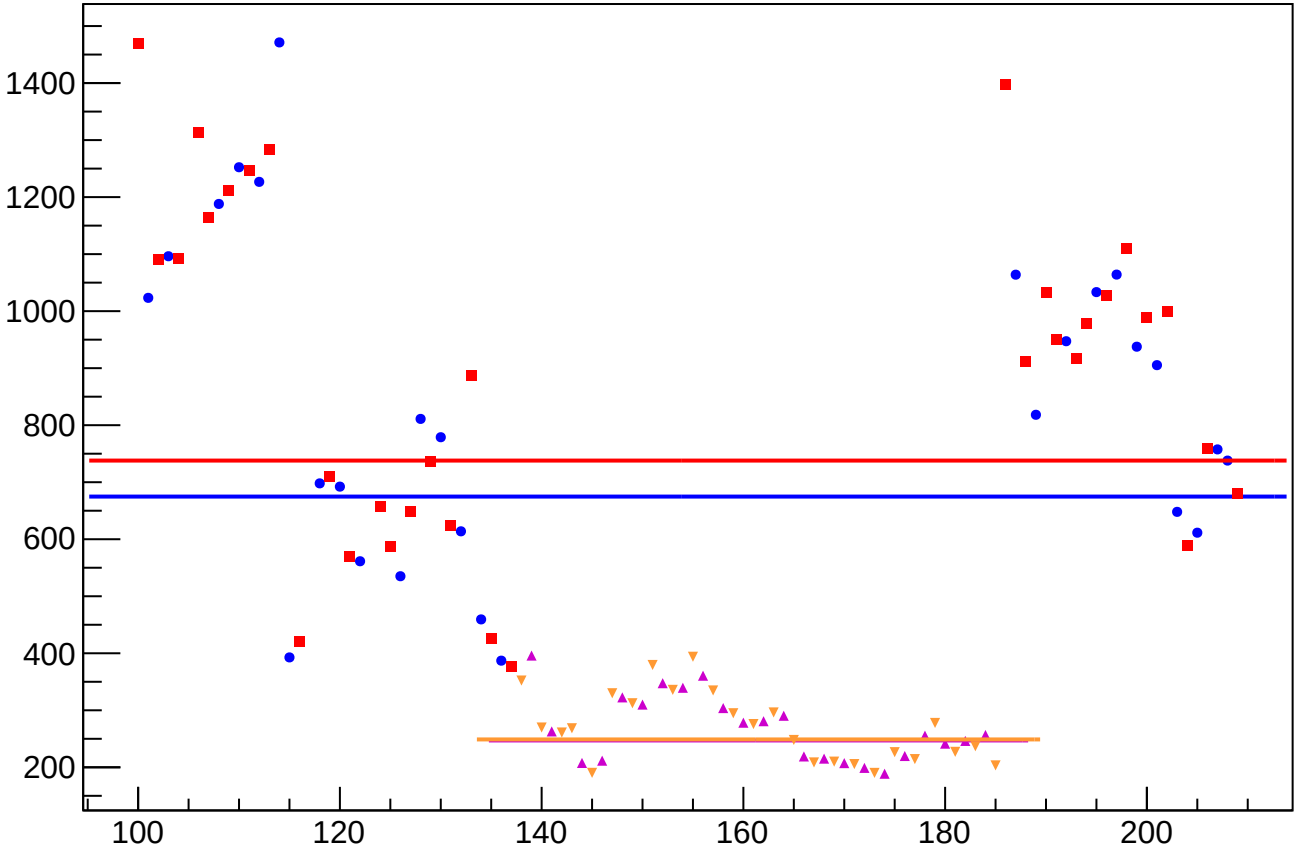
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -294.450+/-55.237 χ^2/NDF: 98.3/51

All: -186.047+/-39.474 χ^2/NDF: 157.6/106

- sign -72.902+/-56.433 χ^2/NDF: 51.3/54

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 674.812+/-0.127 χ^2/NDF: 3306253.5/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 737.951+/-0.133 χ^2/NDF: 3525614.5/31

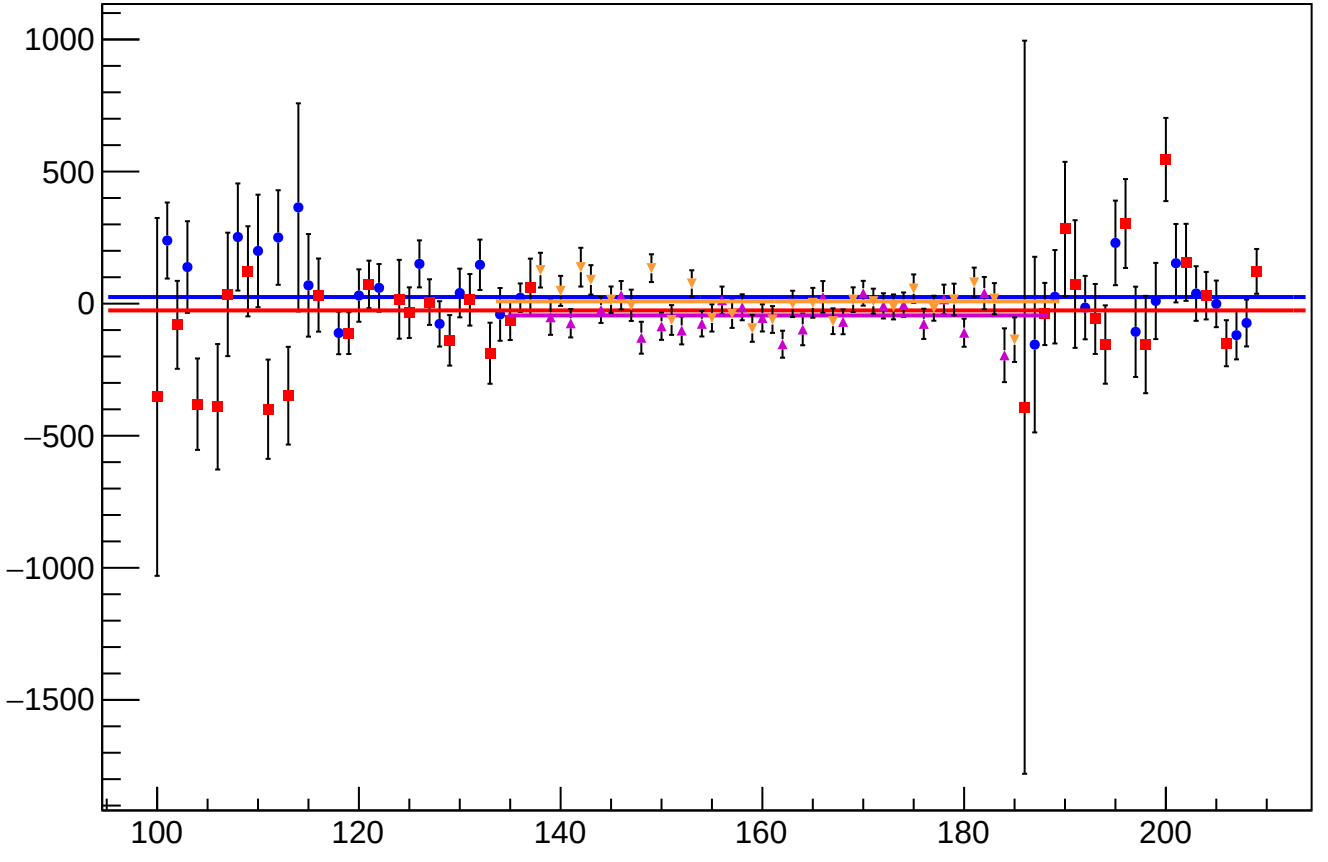
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 288.917+/-0.039 χ^2/NDF: 15094633.4/51

All: 290.091+/-0.028 χ^2/NDF: 32506295.9/10

- sign 291.316+/-0.040 χ^2/NDF: 17409817.0/54

cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -25.628+/-21.634 χ^2/NDF: 49.0/31

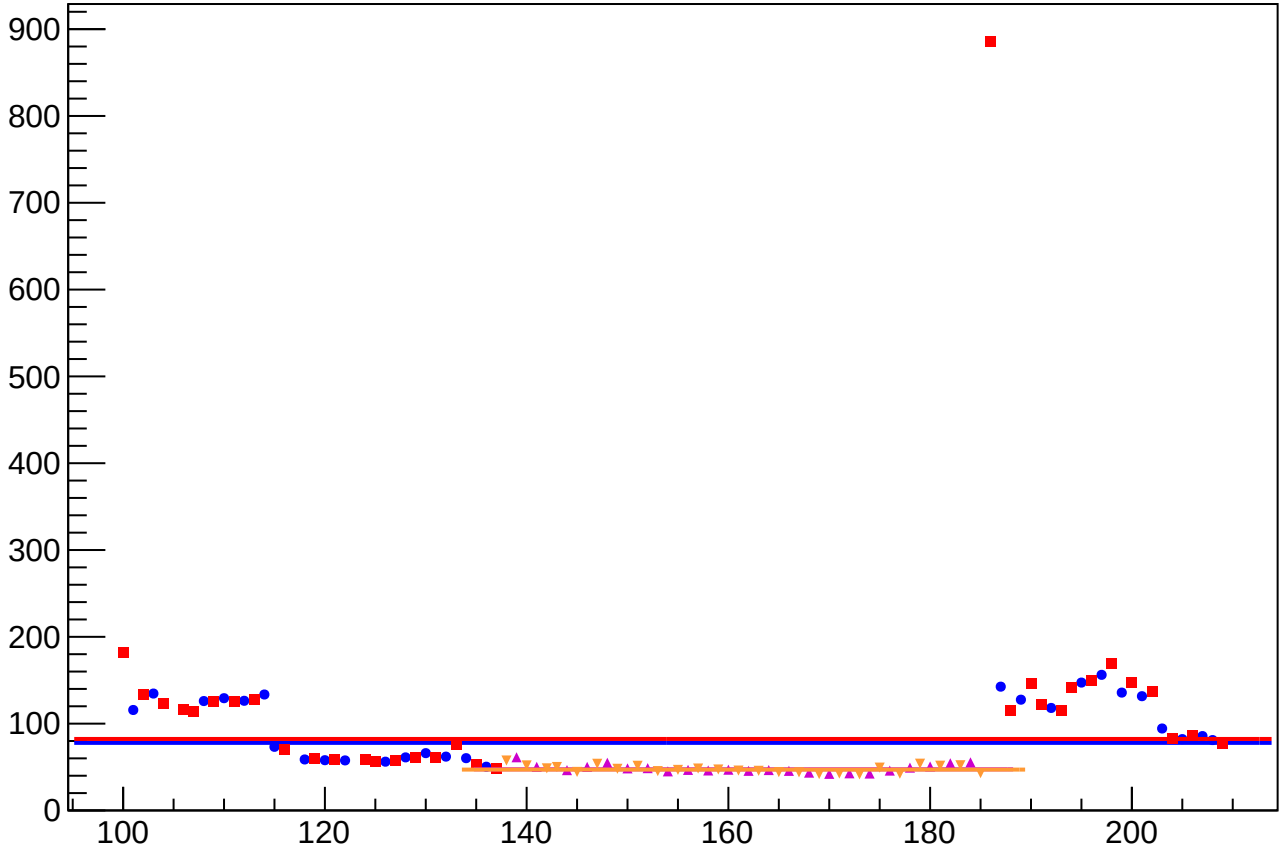
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.118+/-9.591 χ^2/NDF: 57.7/51

All: -13.364+/-6.892 χ^2/NDF: 148.9/106

- sign -40.572+/-9.910 χ^2/NDF: 76.6/54

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

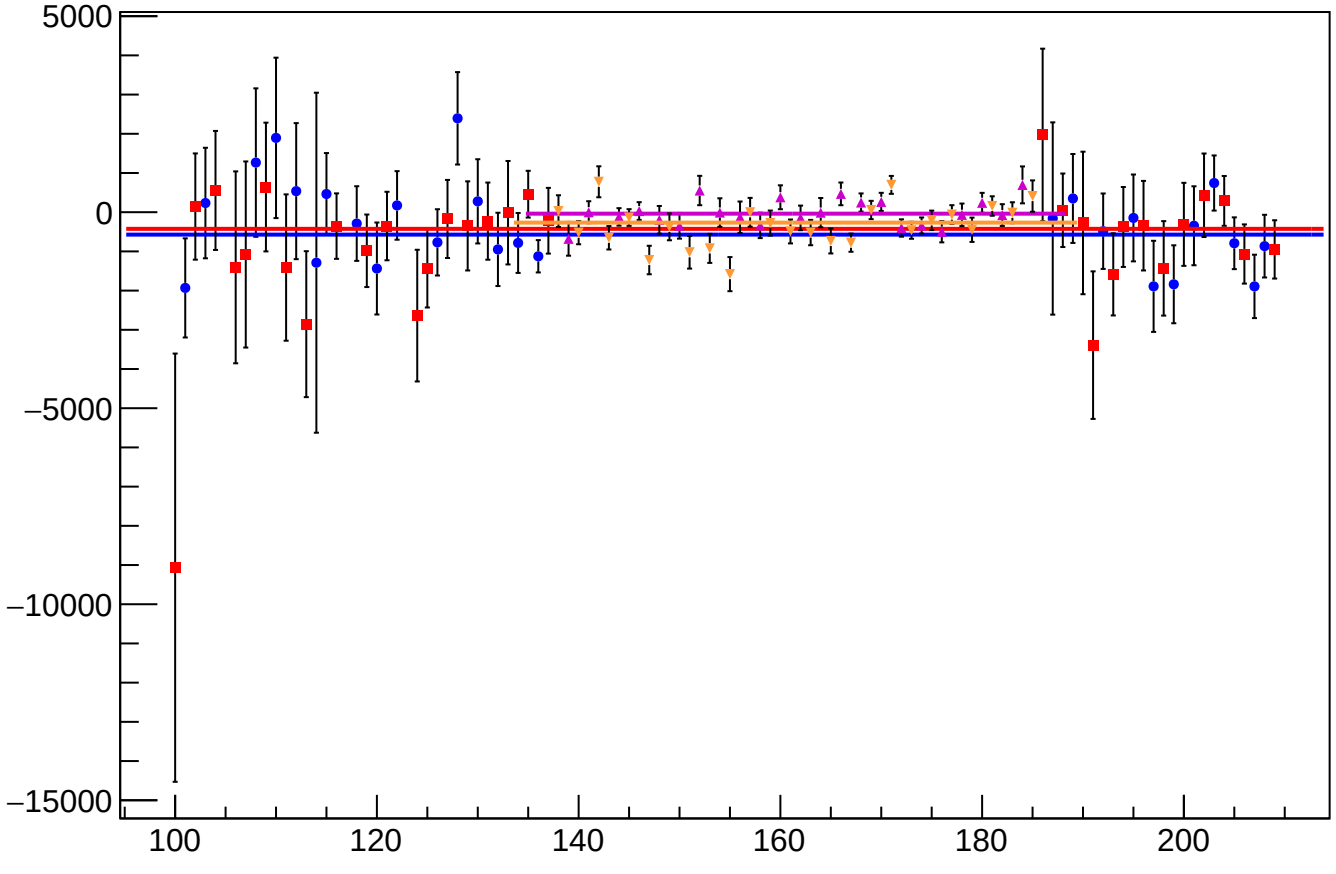
Right Out: 82.361+/-0.015 χ^2/NDF: 4992026.6/31

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.436+/-0.007 χ^2/NDF: 7512426.8/51

All: 54.058+/-0.005 χ^2/NDF: 16923805.2/106

- sign 54.723+/-0.007 χ^2/NDF: 9393963.4/54



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -424.635+/-188.092 χ^2/NDF: 20.3/31

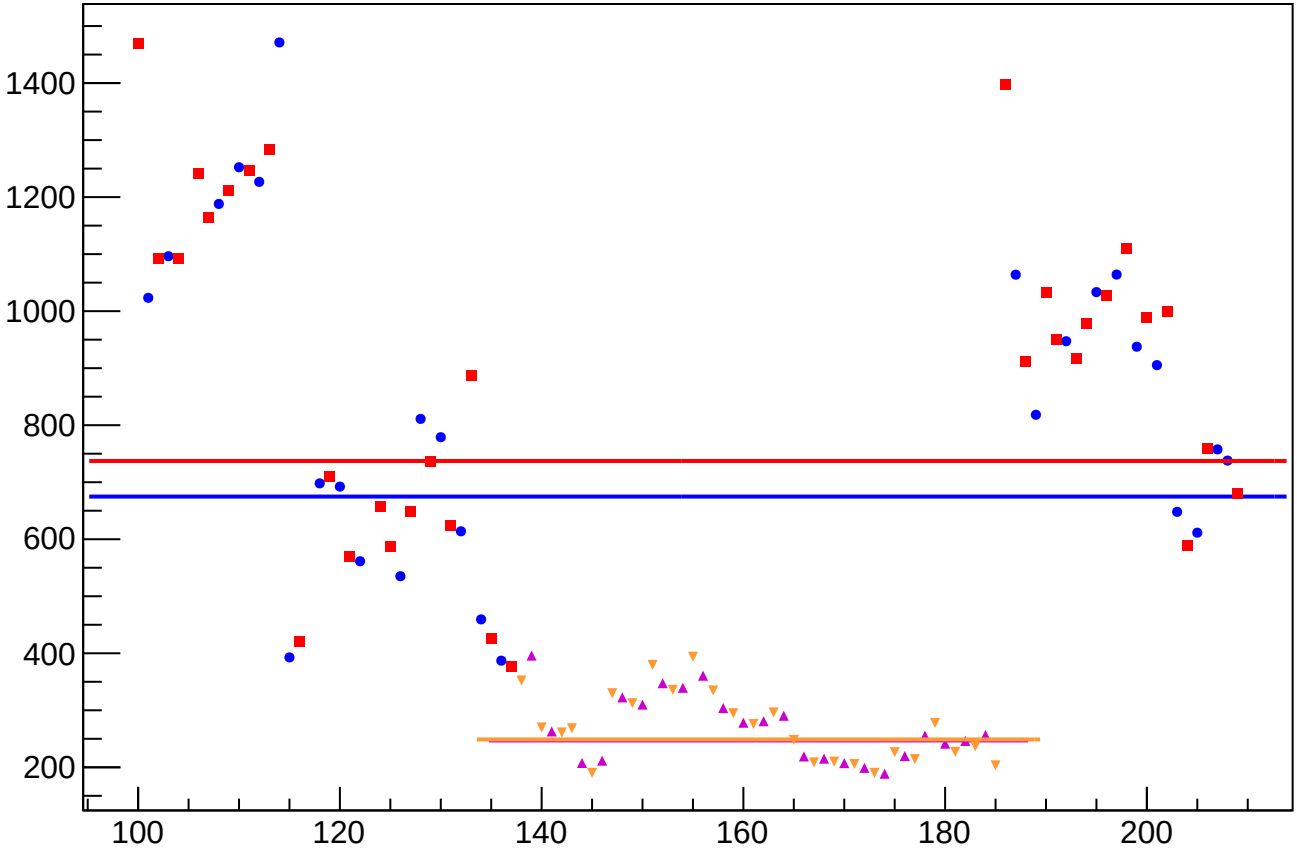
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -294.446+/-55.237 χ^2/NDF: 98.3/51

All: -185.789+/-39.475 χ^2/NDF: 157.1/106

- sign -72.374+/-56.434 χ^2/NDF: 50.8/54

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 737.242+/-0.133 χ^2/NDF: 3490669.1/31

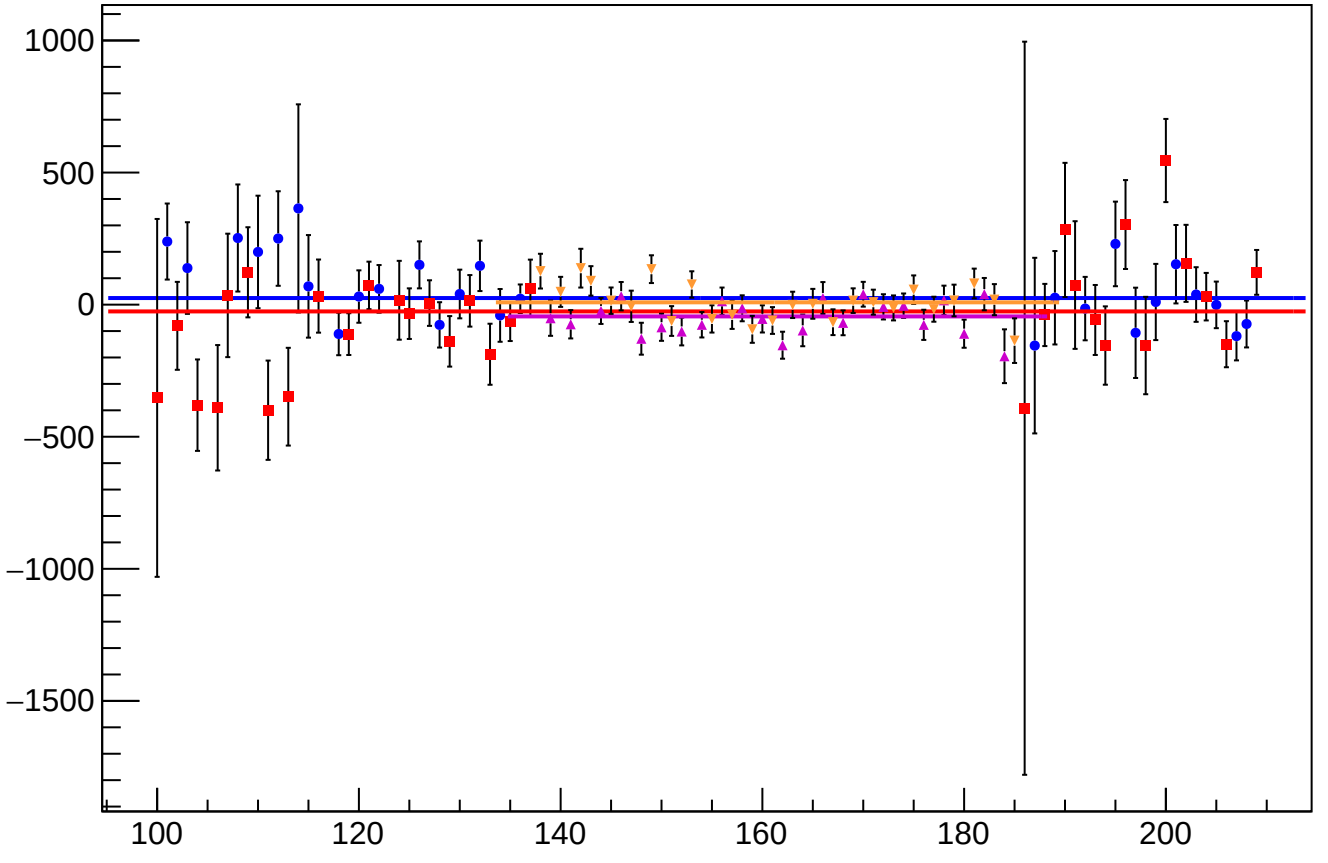
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 288.917+/-0.039 χ^2/NDF: 15094674.3/51

All: 290.049+/-0.028 χ^2/NDF: 32429470.7/10

- sign 291.231+/-0.040 χ^2/NDF: 17333079.0/54

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -25.628+/-21.634 χ^2/NDF: 49.0/31

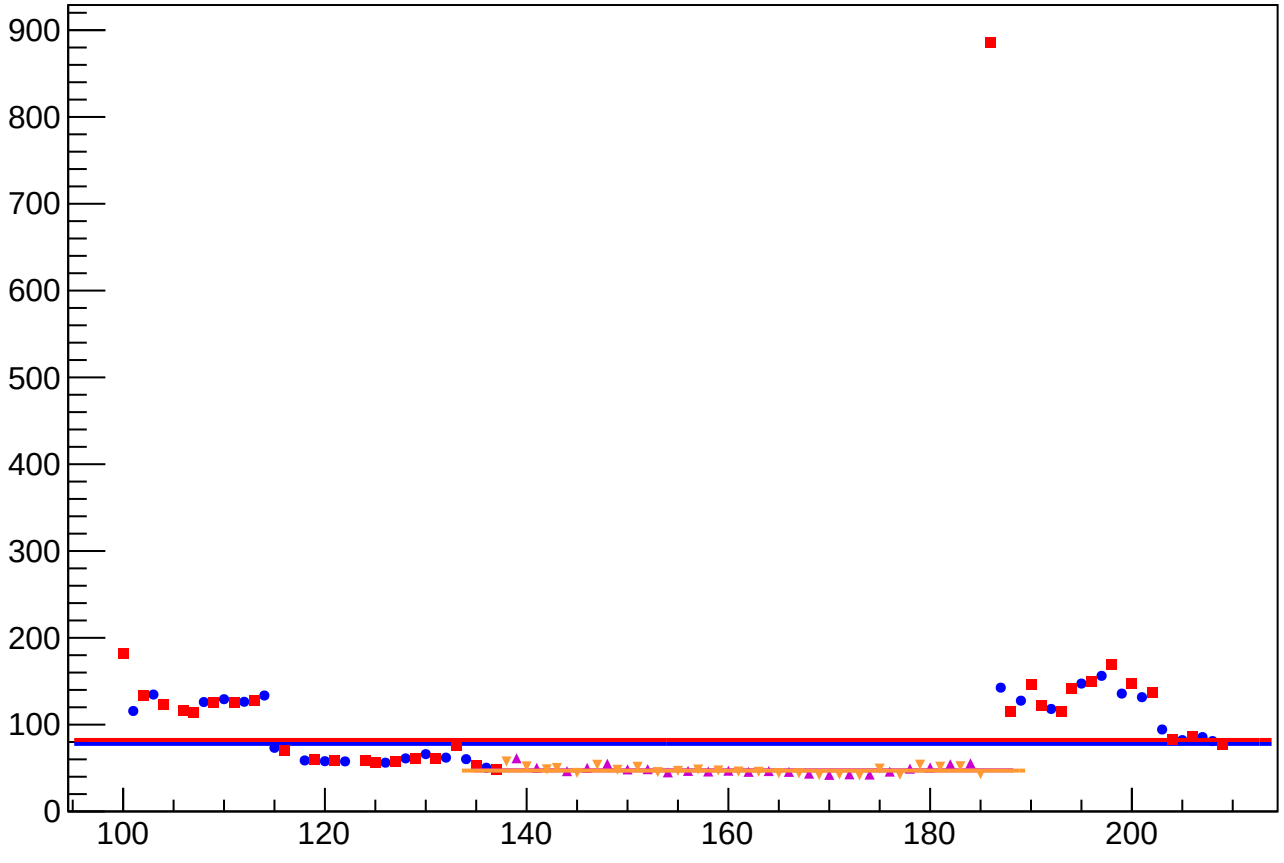
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.118+/-9.591 χ^2/NDF: 57.7/51

All: -13.364+/-6.892 χ^2/NDF: 148.9/106

- sign -40.572+/-9.910 χ^2/NDF: 76.6/54

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

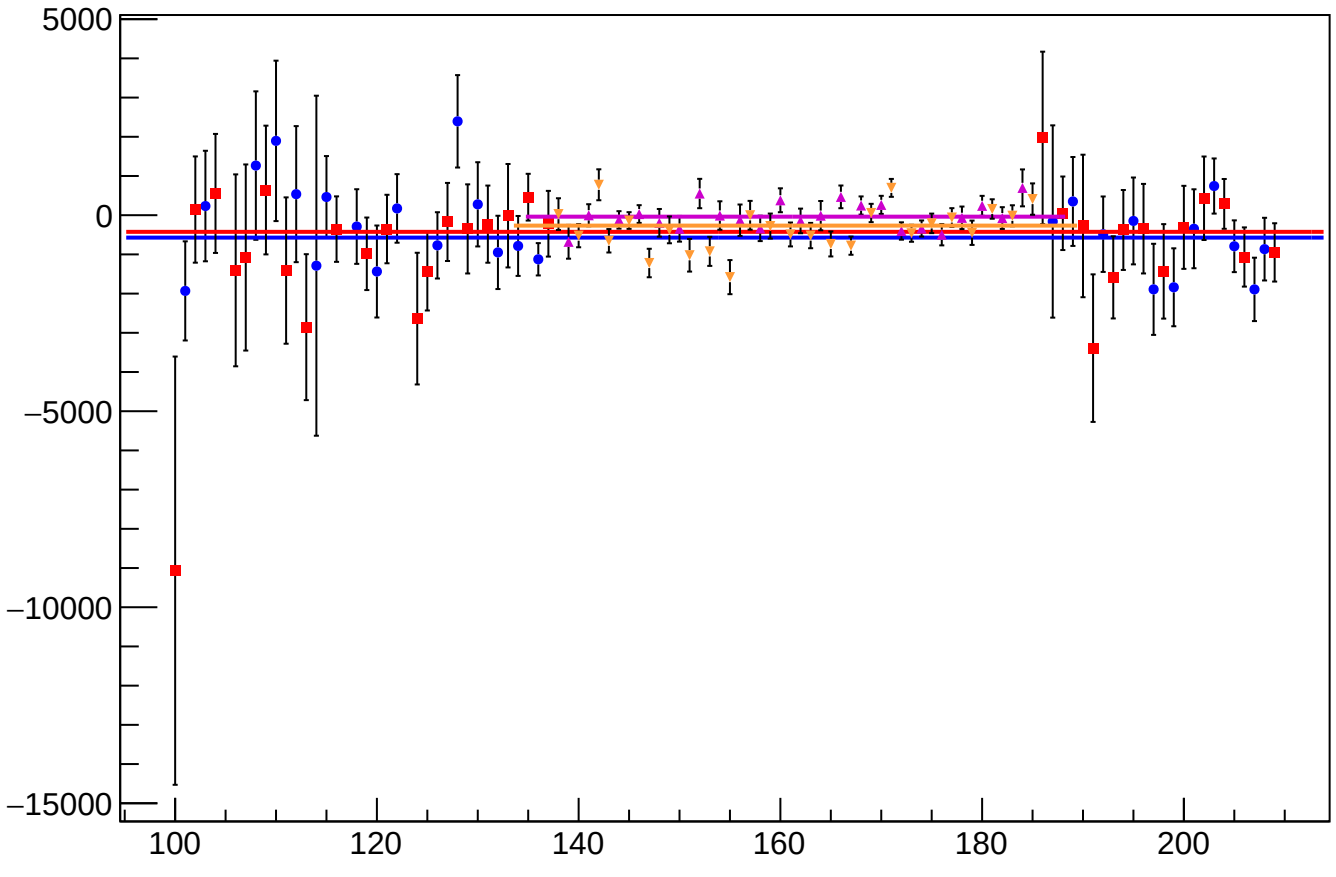
Right Out: 82.361+/-0.015 χ^2/NDF: 4992026.6/31

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 53.436+/-0.007 χ^2/NDF: 7512426.8/51

All: 54.058+/-0.005 χ^2/NDF: 16923805.2/106

- sign 54.723+/-0.007 χ^2/NDF: 9393963.4/54



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

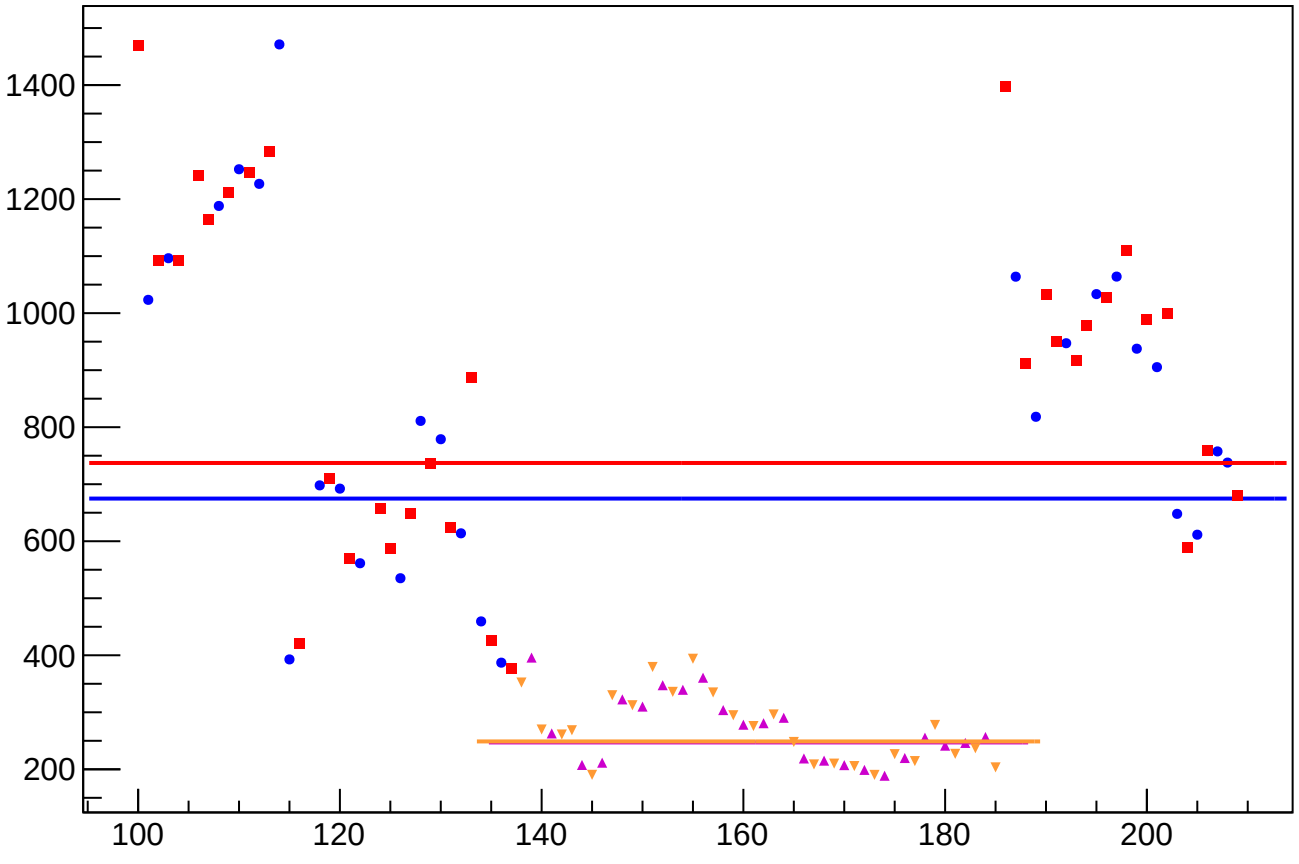
Right Out: -424.635+/-188.092 χ^2/NDF: 20.3/31

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -294.446+/-55.237 χ^2/NDF: 98.3/51

All: -185.789+/-39.475 χ^2/NDF: 157.1/106

- sign -72.374+/-56.434 χ^2/NDF: 50.8/54



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 737.242+/-0.133 χ^2/NDF: 3490669.1/31

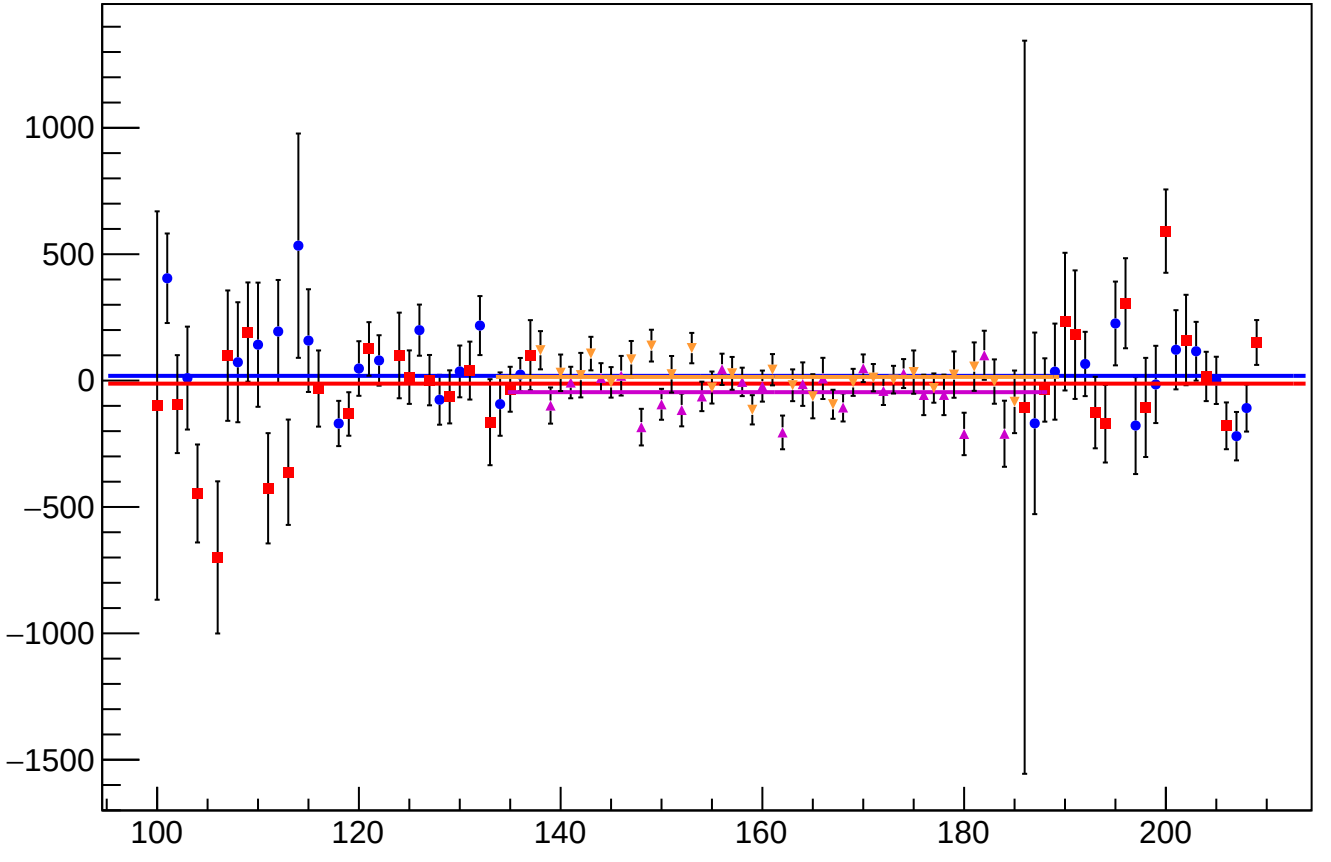
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 288.917+/-0.039 χ^2/NDF: 15094674.3/51

All: 290.049+/-0.028 χ^2/NDF: 32429470.7/10

- sign 291.231+/-0.040 χ^2/NDF: 17333079.0/54

dit_asym_sam_1526_avg_mean vs Slug



Right In: 18.757+/-23.737 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -12.056+/-24.368 χ^2/NDF: 51.9/31

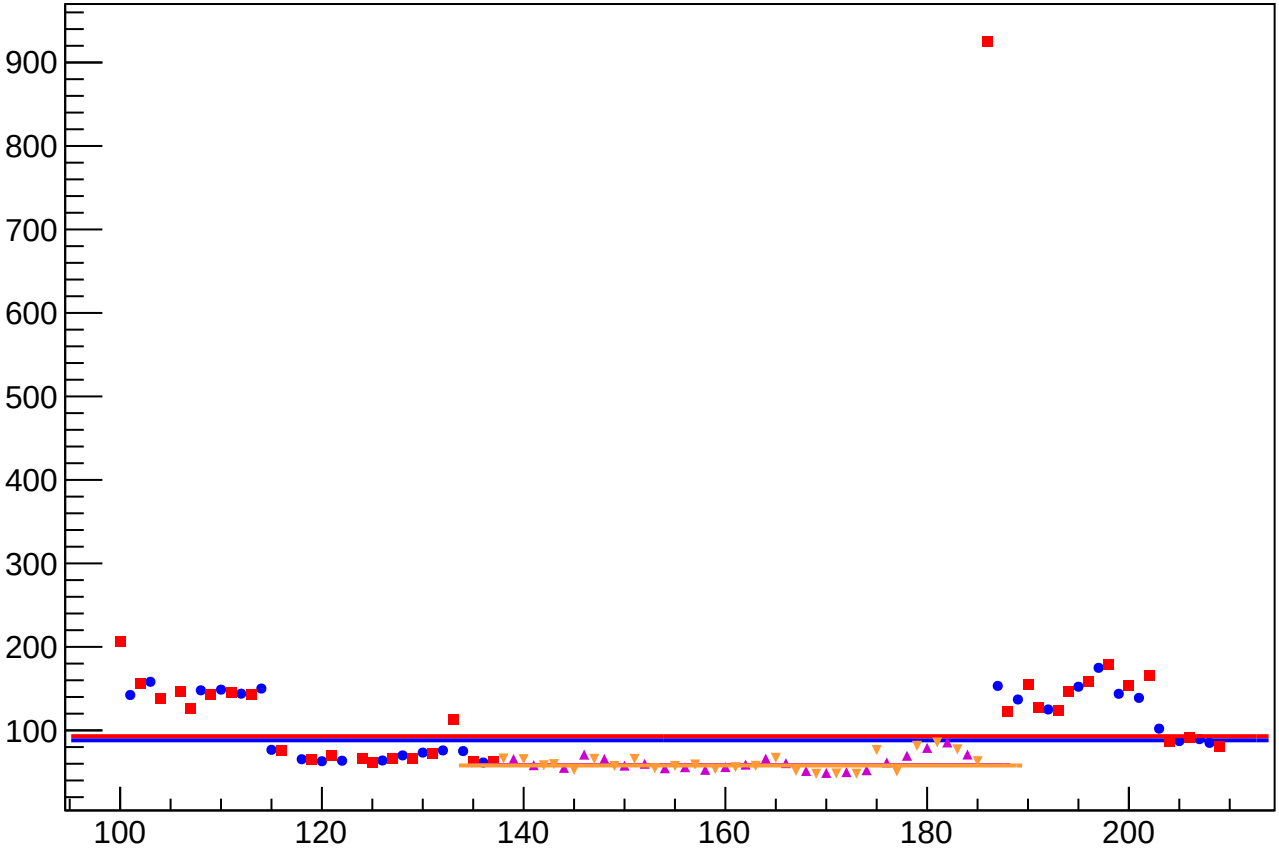
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 15.534+/-11.705 χ^2/NDF: 57.2/51

All: -10.112+/-8.411 χ^2/NDF: 151.2/106

- sign -37.493+/-12.094 χ^2/NDF: 84.0/54

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.088+/-0.017 χ^2/NDF: 3402096.7/26

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

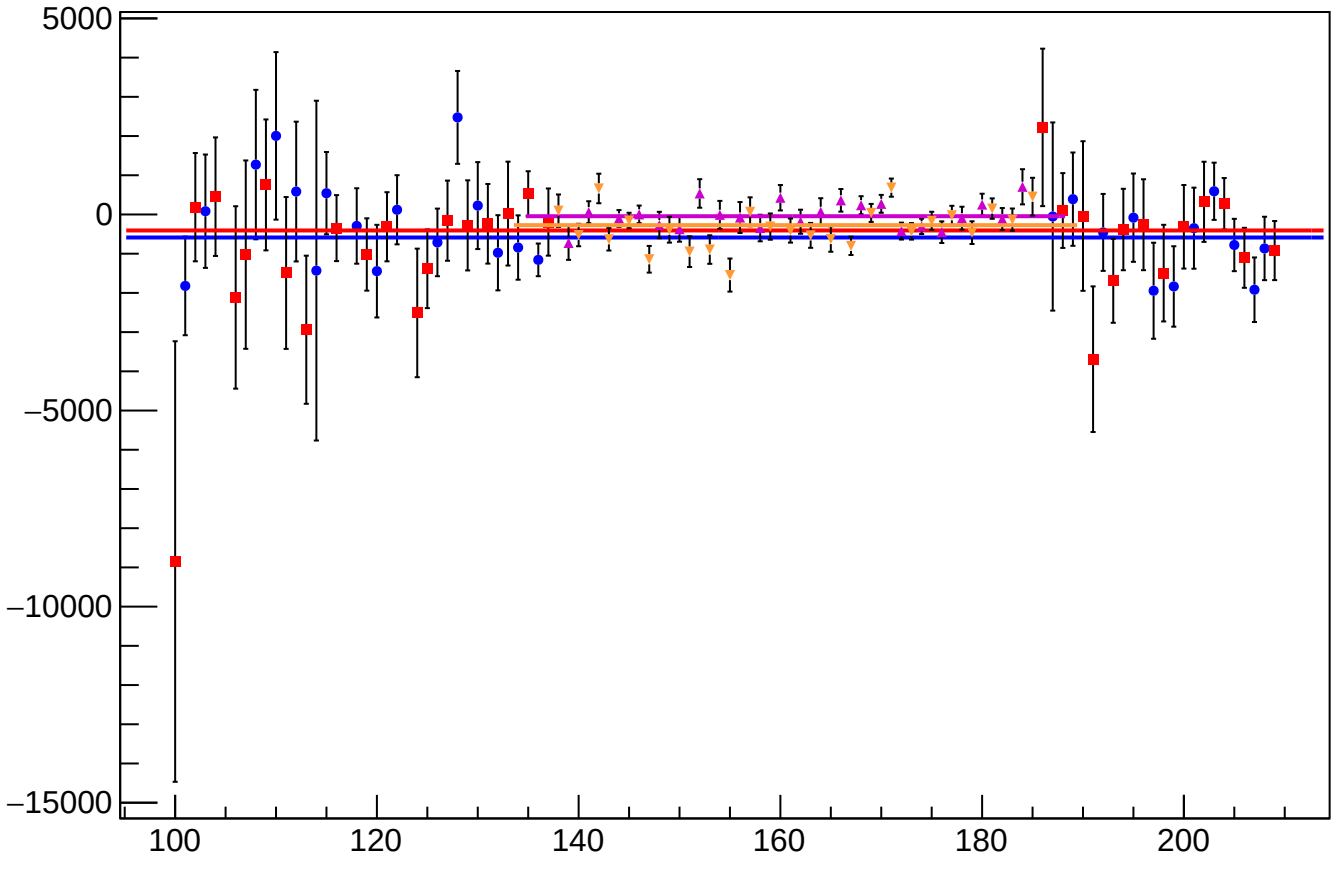
Right Out: 93.041+/-0.017 χ^2/NDF: 4601504.8/31

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 65.290+/-0.008 χ^2/NDF: 6736760.2/51

All: 66.113+/-0.006 χ^2/NDF: 15040791.2/106

- sign 66.992+/-0.009 χ^2/NDF: 8283564.1/54



Right In: -586.941+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -407.694+/-189.224 χ^2/NDF: 22.3/31

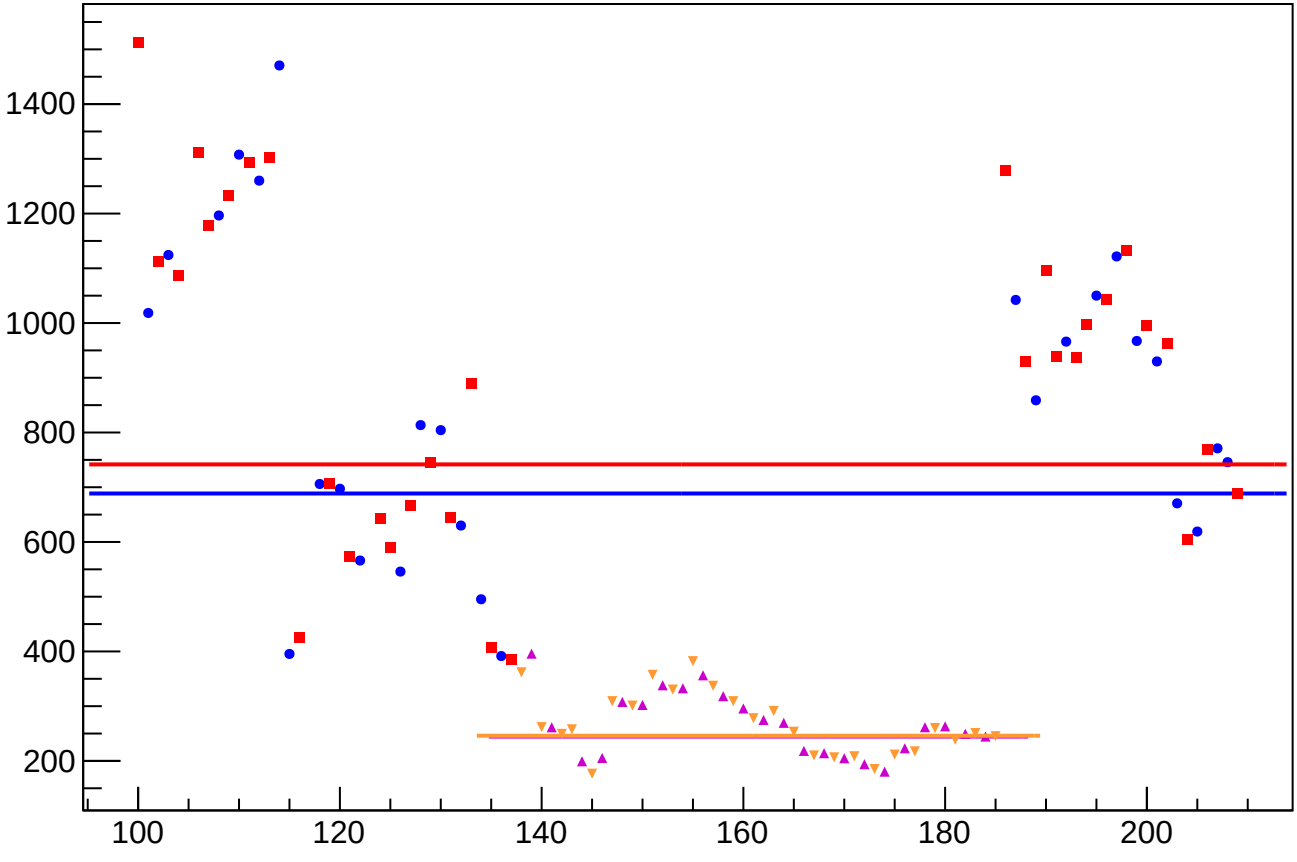
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -300.312+/-54.684 χ^2/NDF: 93.4/51

All: -190.972+/-39.121 χ^2/NDF: 153.8/106

- sign -76.346+/-55.990 χ^2/NDF: 52.1/54

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 688.554+/-0.130 χ^2/NDF: 3339668.4/26

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 741.736+/-0.134 χ^2/NDF: 3625975.7/31

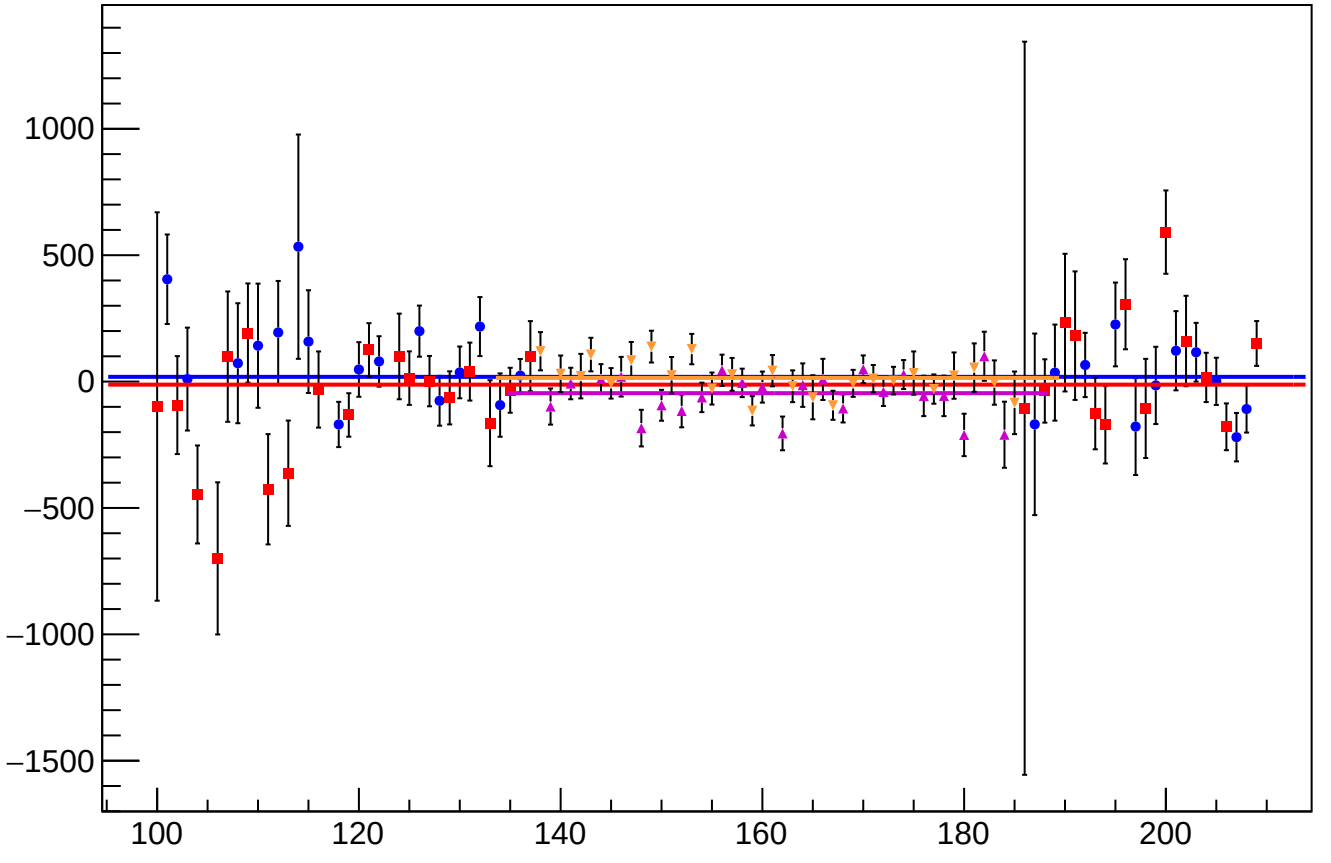
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 285.142+/-0.039 χ^2/NDF: 15576725.0/51

All: 286.531+/-0.028 χ^2/NDF: 33405990.8/10

- sign 287.988+/-0.040 χ^2/NDF: 17826621.0/54

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 18.758+/-23.736 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -12.056+/-24.368 χ^2/NDF: 51.9/31

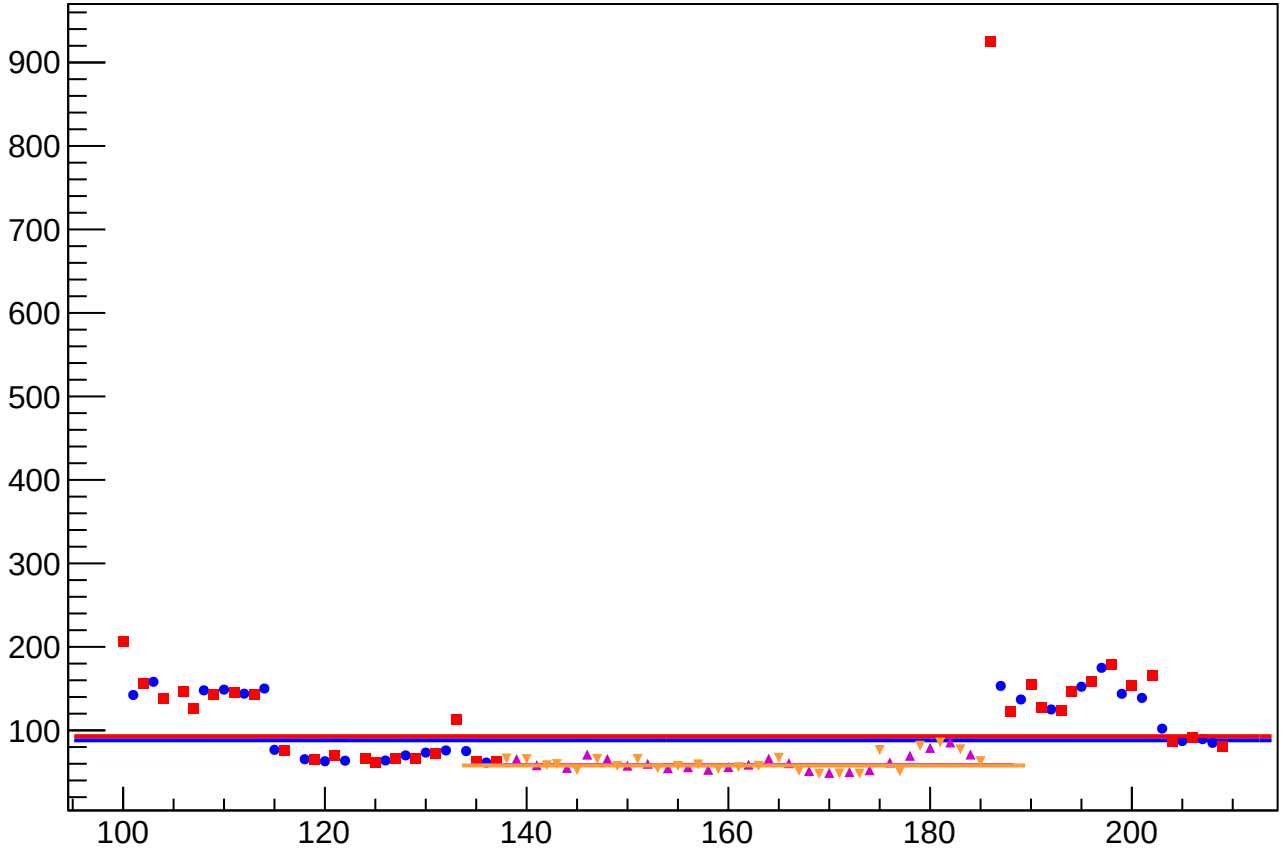
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 15.534+/-11.705 χ^2/NDF: 57.2/51

All: -10.112+/-8.411 χ^2/NDF: 151.2/106

- sign -37.492+/-12.094 χ^2/NDF: 84.0/54

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.088+/-0.017 χ^2/NDF: 3402098.6/26

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

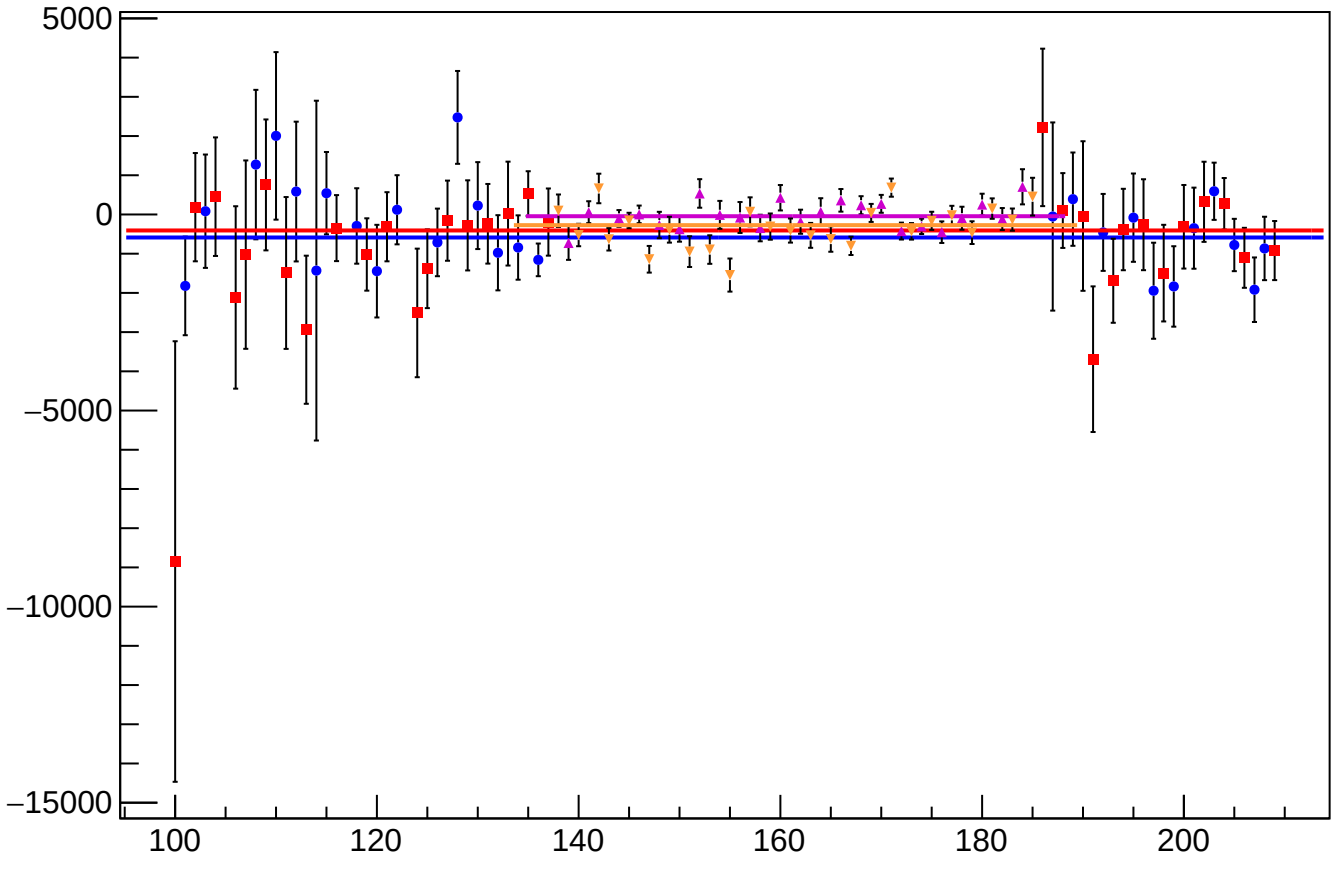
Right Out: 93.041+/-0.017 χ^2/NDF: 4601516.3/31

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 65.290+/-0.008 χ^2/NDF: 6736716.1/51

All: 66.113+/-0.006 χ^2/NDF: 15040689.9/106

- sign 66.993+/-0.009 χ^2/NDF: 8283505.1/54



Right In: -586.940+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

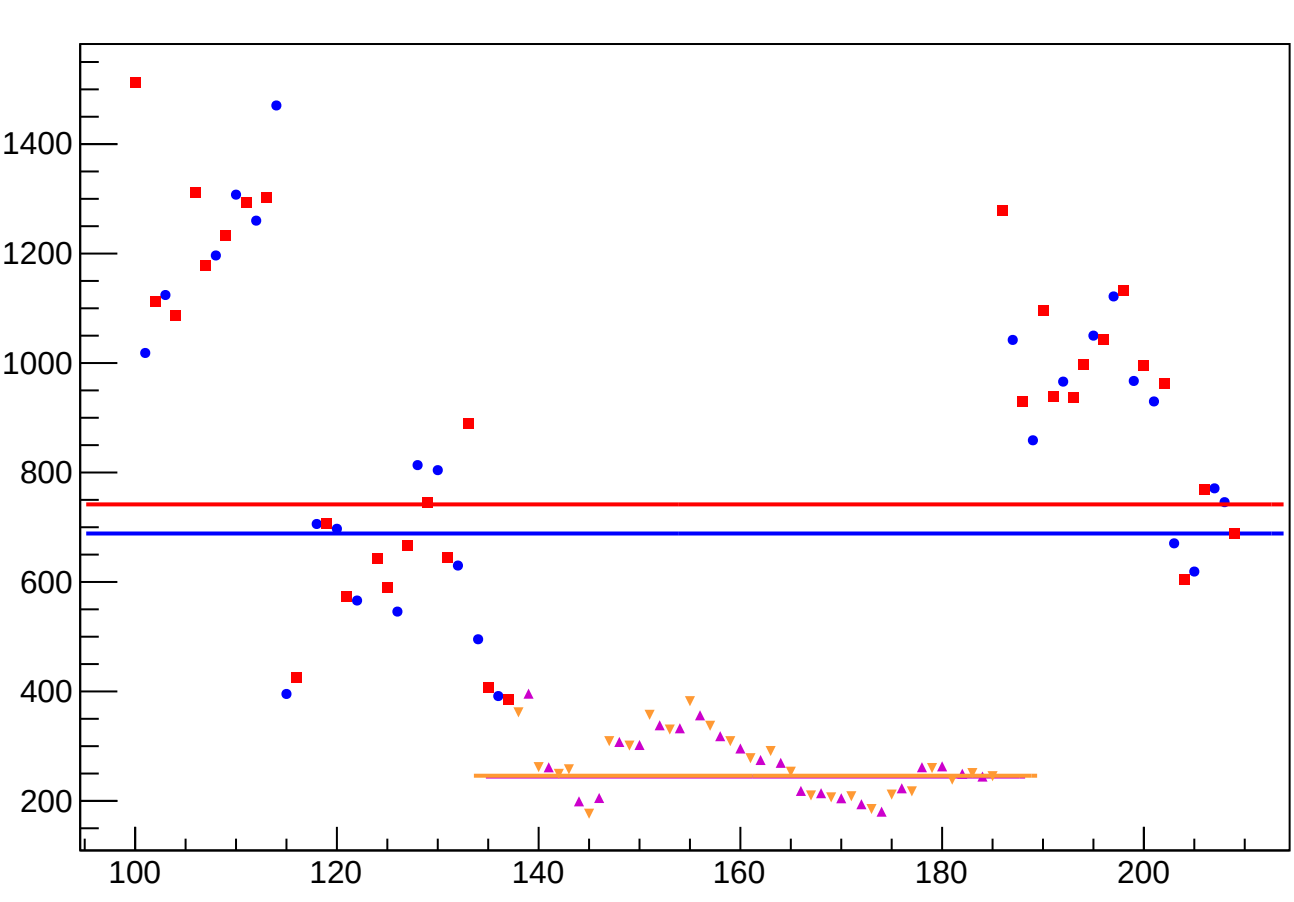
Right Out: -407.695+/-189.224 χ^2/NDF: 22.3/31

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -300.311+/-54.684 χ^2/NDF: 93.4/51

All: -190.971+/-39.121 χ^2/NDF: 153.8/106

- sign -76.346+/-55.990 χ^2/NDF: 52.1/54



Right In: 688.554+/-0.130 χ^2/NDF: 3339651.6/26

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 741.736+/-0.134 χ^2/NDF: 3625956.1/31

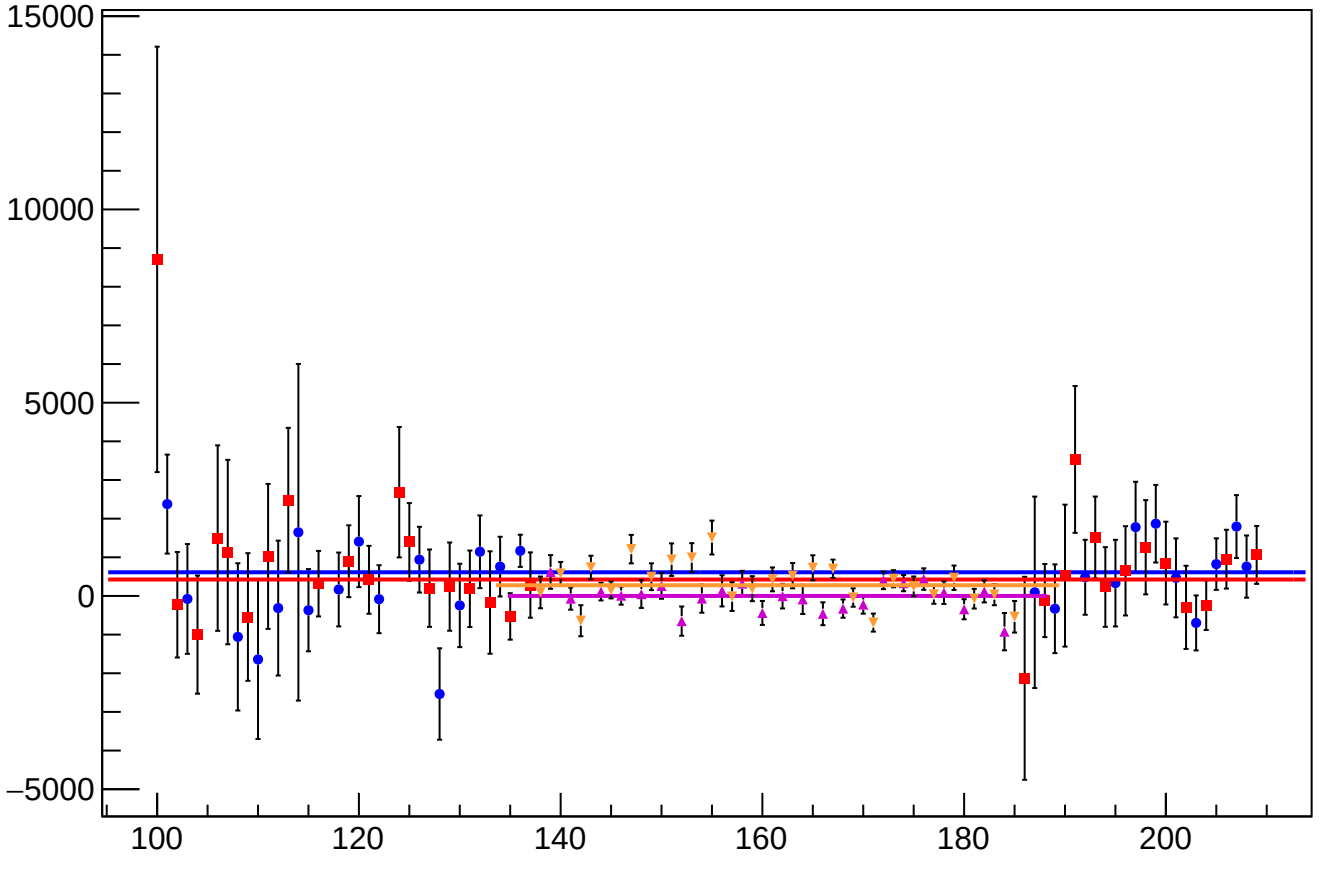
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 285.141+/-0.039 χ^2/NDF: 15576733.8/51

All: 286.531+/-0.028 χ^2/NDF: 33405989.8/10

- sign 287.987+/-0.040 χ^2/NDF: 17826610.8/54

asym_sam_1526_avg_mean vs Slug



Right In: 612.591+/-181.805 χ^2/NDF: 25.6/26

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 425.078+/-189.780 χ^2/NDF: 19.6/31

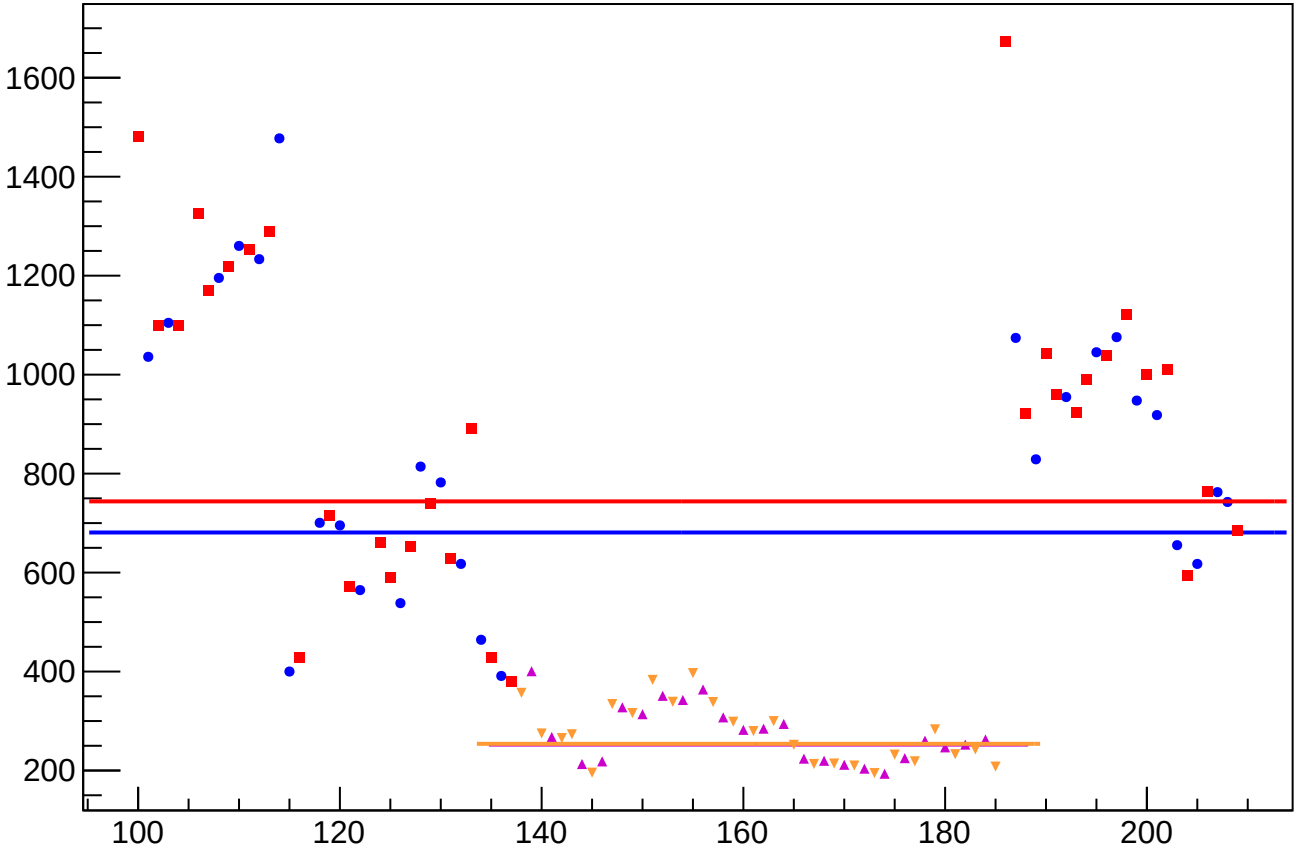
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 309.191+/-56.247 χ^2/NDF: 92.8/51

All: 177.382+/-40.214 χ^2/NDF: 156.3/106

- sign 39.550+/-57.517 χ^2/NDF: 52.3/54

asym_sam_1526_avg_rms vs Slug



Right In: 681.020+/-0.129 χ^2/NDF: 3294835.1/26

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

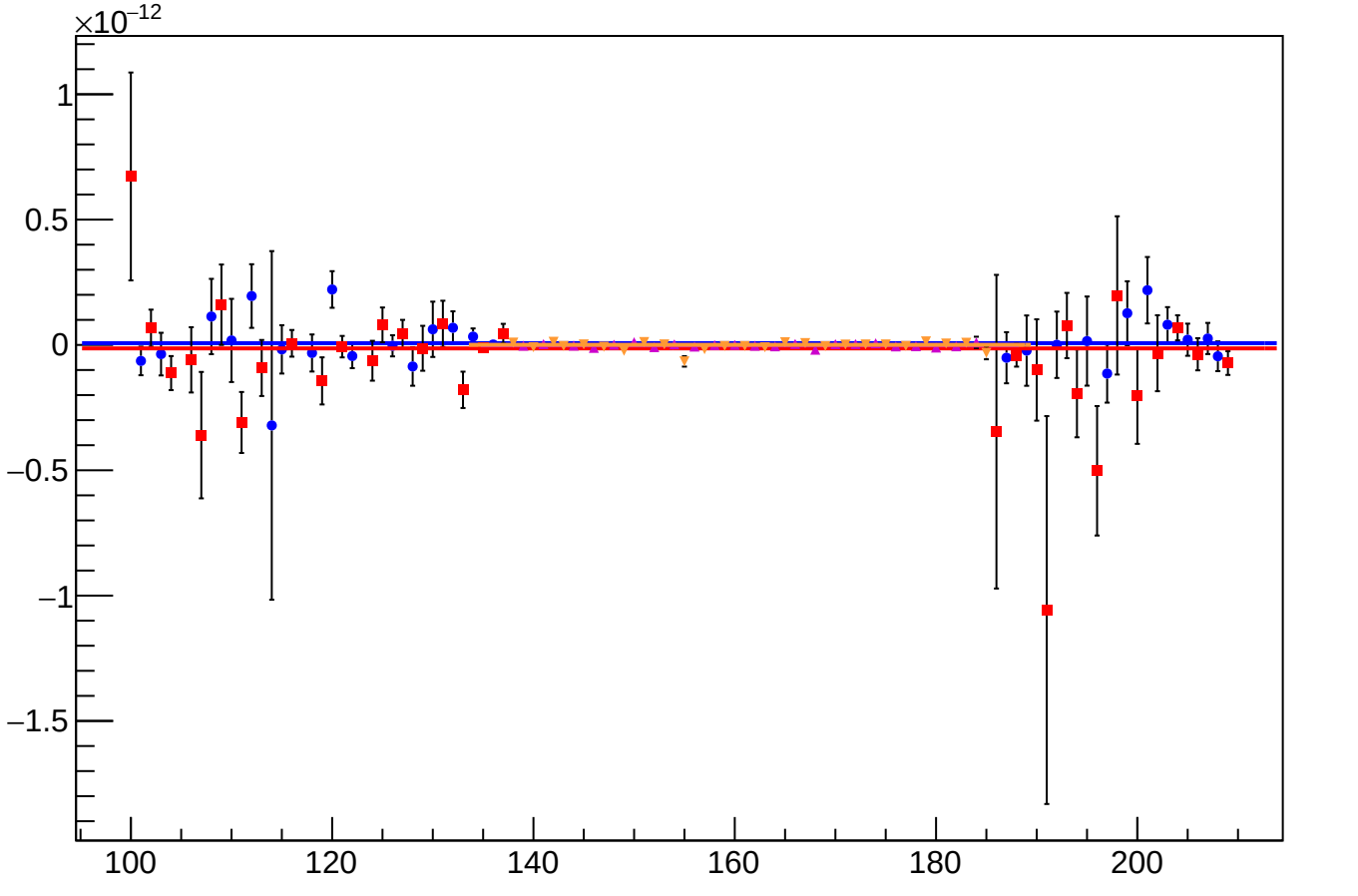
Right Out: 743.876+/-0.134 χ^2/NDF: 3593723.4/31

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 294.830+/-0.040 χ^2/NDF: 14865193.6/51

All: 296.152+/-0.028 χ^2/NDF: 32055025.0/10

- sign 297.535+/-0.041 χ^2/NDF: 17187570.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/31

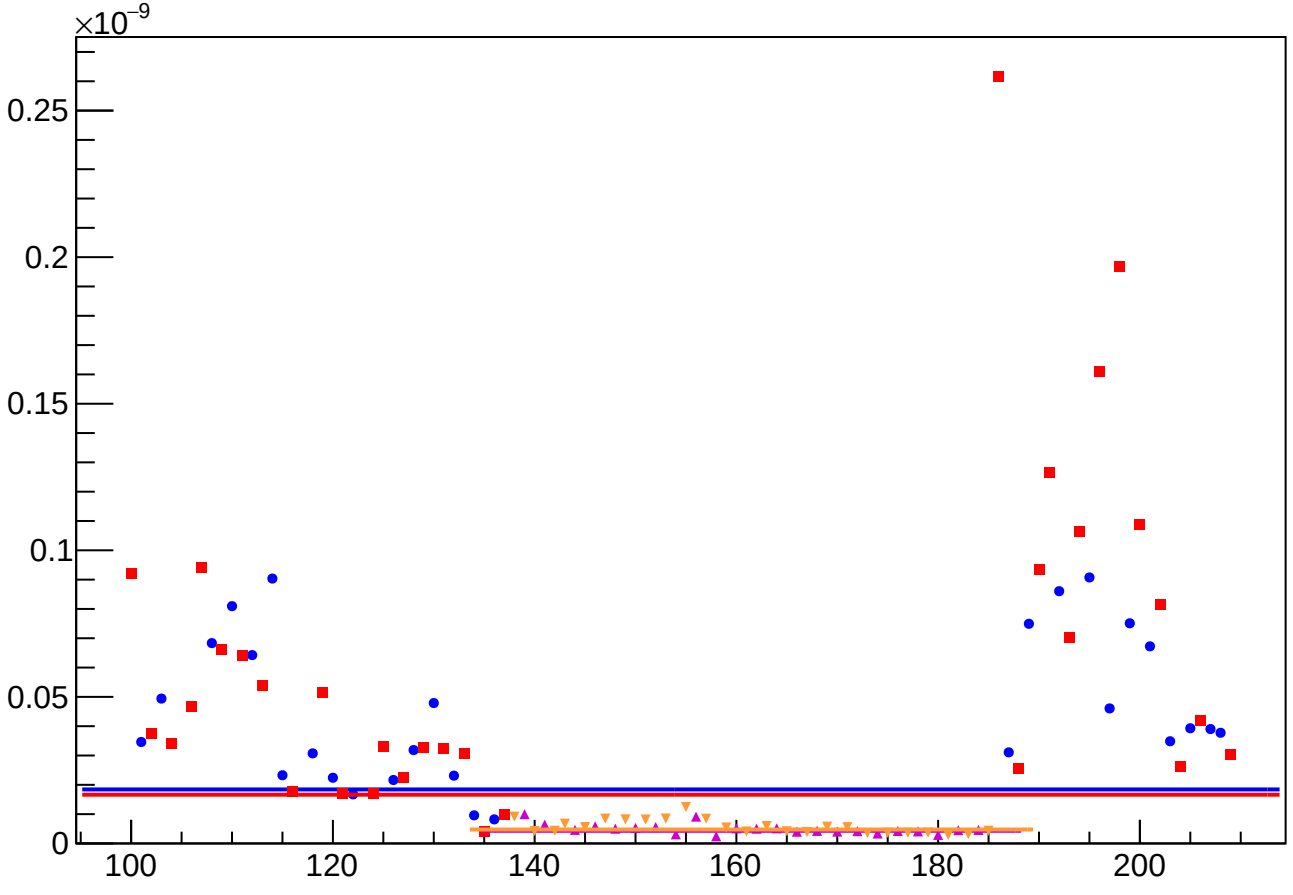
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/51

All: -0.000+/-0.000 χ^2/NDF: 112.3/106

- sign -0.000+/-0.000 χ^2/NDF: 58.6/54

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5551678.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

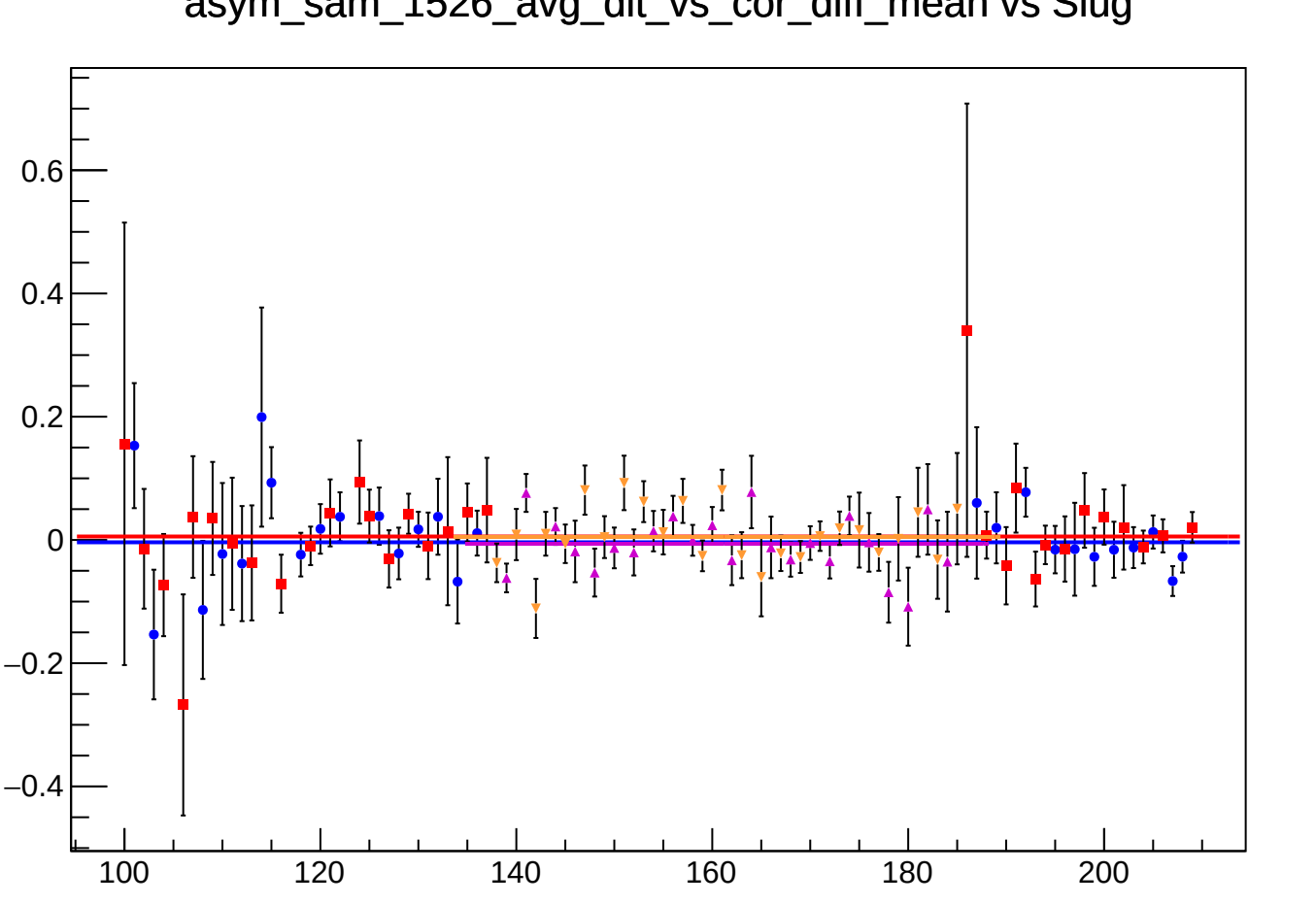
Right Out: 0.000+/-0.000 χ^2/NDF: 8046279.8/31

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10923913.3/51

All: 0.000+/-0.000 χ^2/NDF: 23180095.1/106

- sign 0.000+/-0.000 χ^2/NDF: 12183940.2/54



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.006+/-0.008 χ^2/NDF: 19.6/31

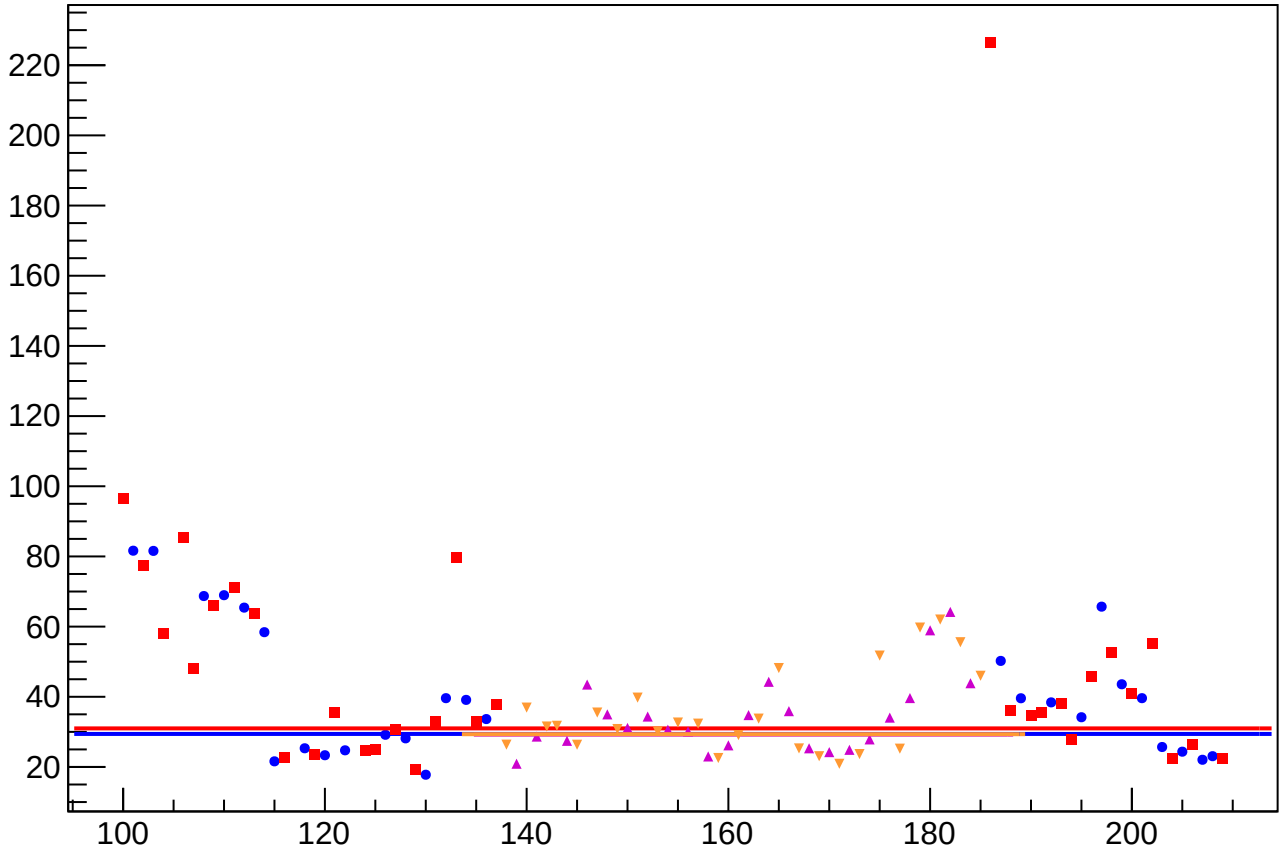
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 62.1/51

All: 0.000+/-0.004 χ^2/NDF: 114.0/106

- sign -0.001+/-0.005 χ^2/NDF: 51.7/54

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

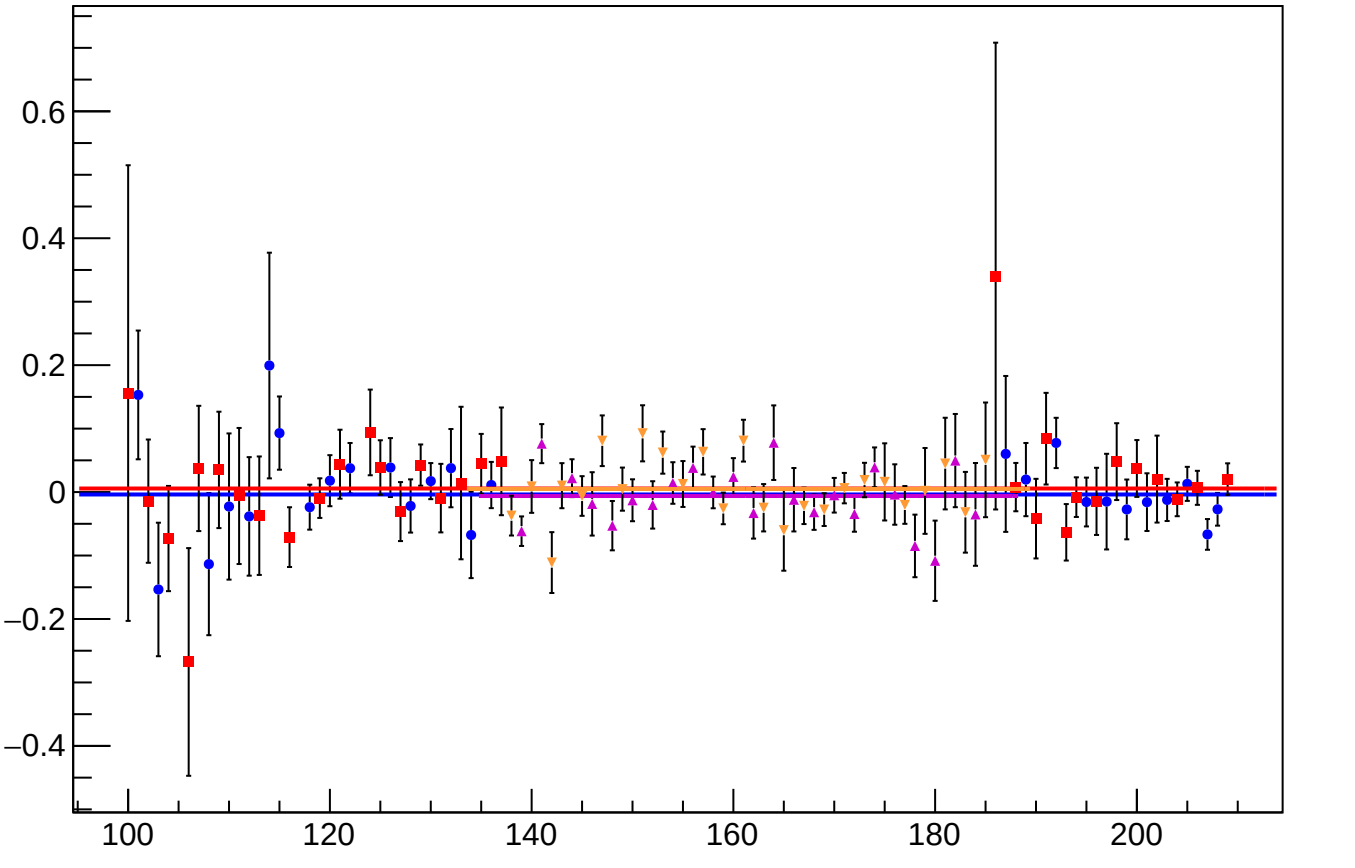
Right Out: 30.992+/-0.006 χ^2/NDF: 4614745.9/31

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536339.5/51

All: 29.669+/-0.003 χ^2/NDF: 13311900.6/106

- sign 29.981+/-0.004 χ^2/NDF: 6762928.4/54



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

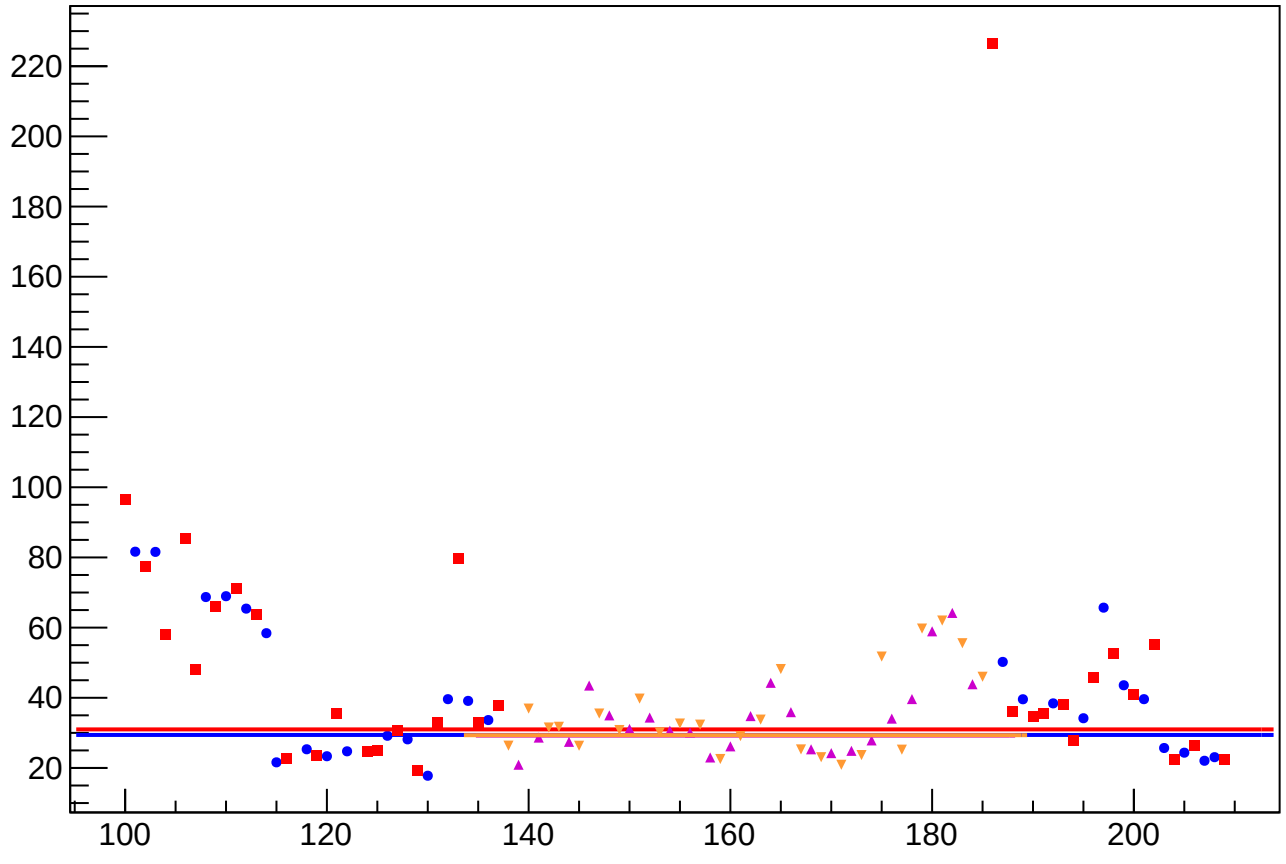
Right Out: 0.006+/-0.008 χ^2/NDF: 19.6/31

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 62.1/51

All: 0.000+/-0.004 χ^2/NDF: 114.0/106

- sign -0.001+/-0.005 χ^2/NDF: 51.7/54



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

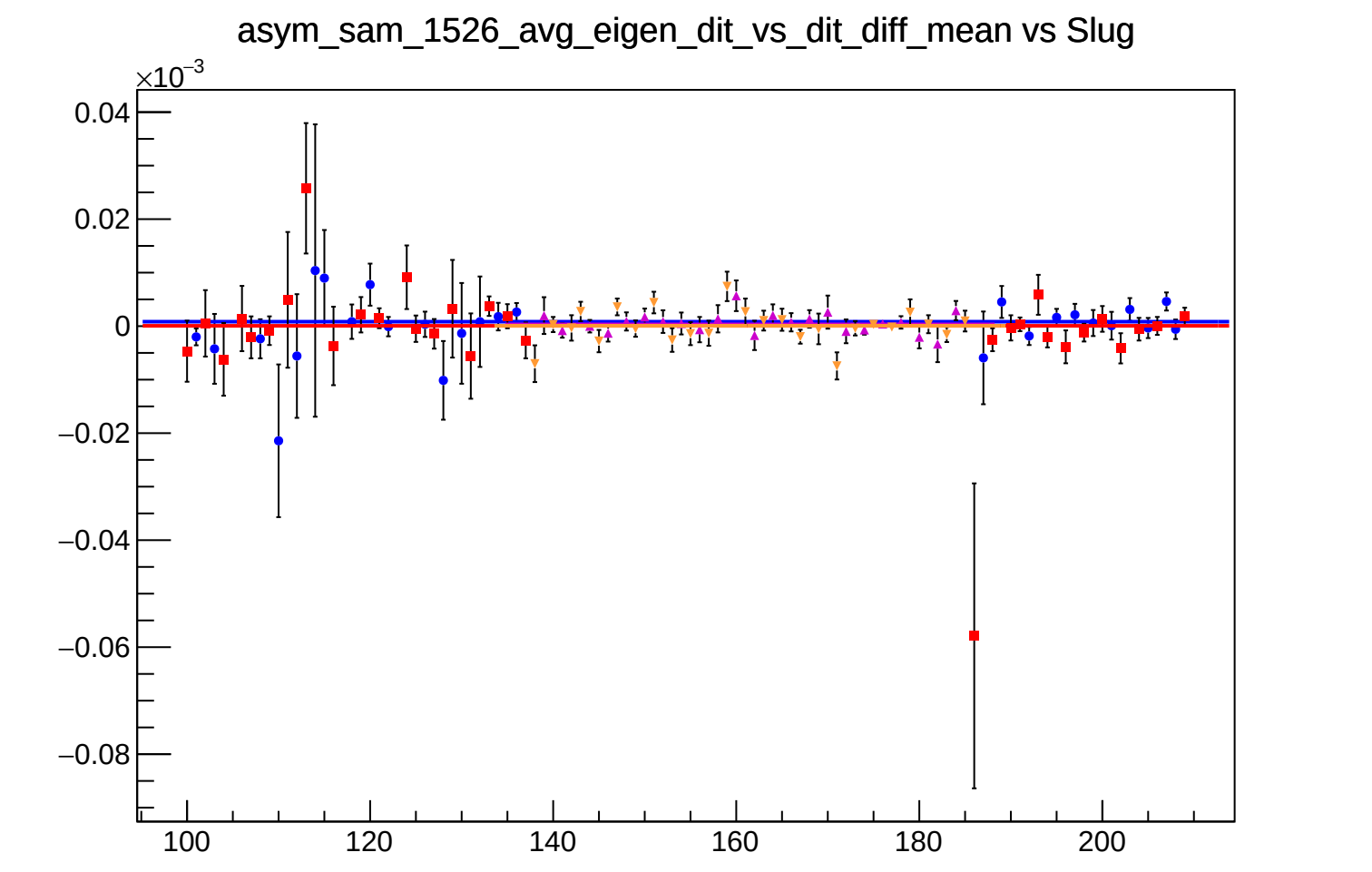
Right Out: 30.992+/-0.006 χ^2/NDF: 4614745.9/31

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536339.5/51

All: 29.669+/-0.003 χ^2/NDF: 13311900.6/106

- sign 29.981+/-0.004 χ^2/NDF: 6762928.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

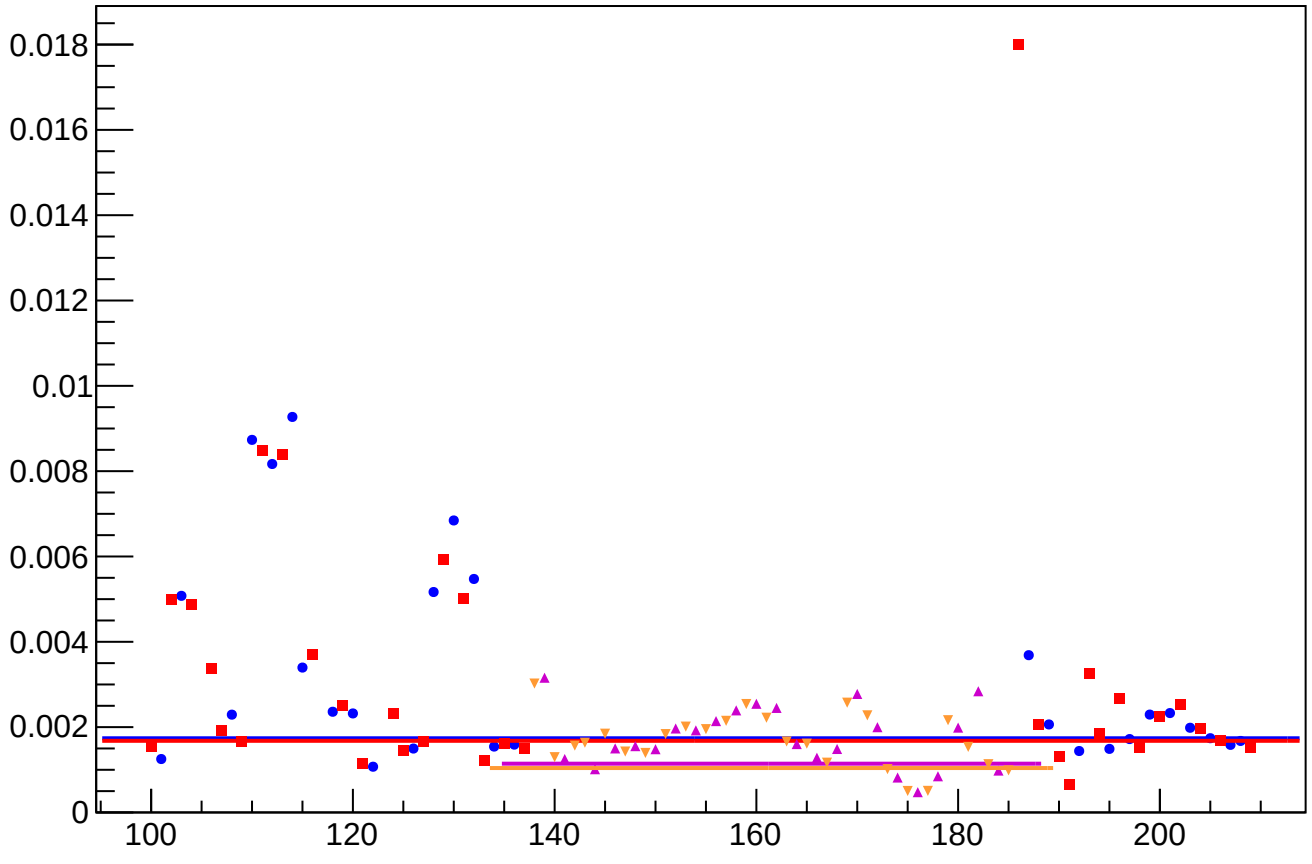
Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/31

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.4/51

All: 0.000+/-0.000 χ^2/NDF: 120.7/106

- sign 0.000+/-0.000 χ^2/NDF: 47.3/54



Right In: 0.002+/-0.000 χ^2/NDF: 4422062.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

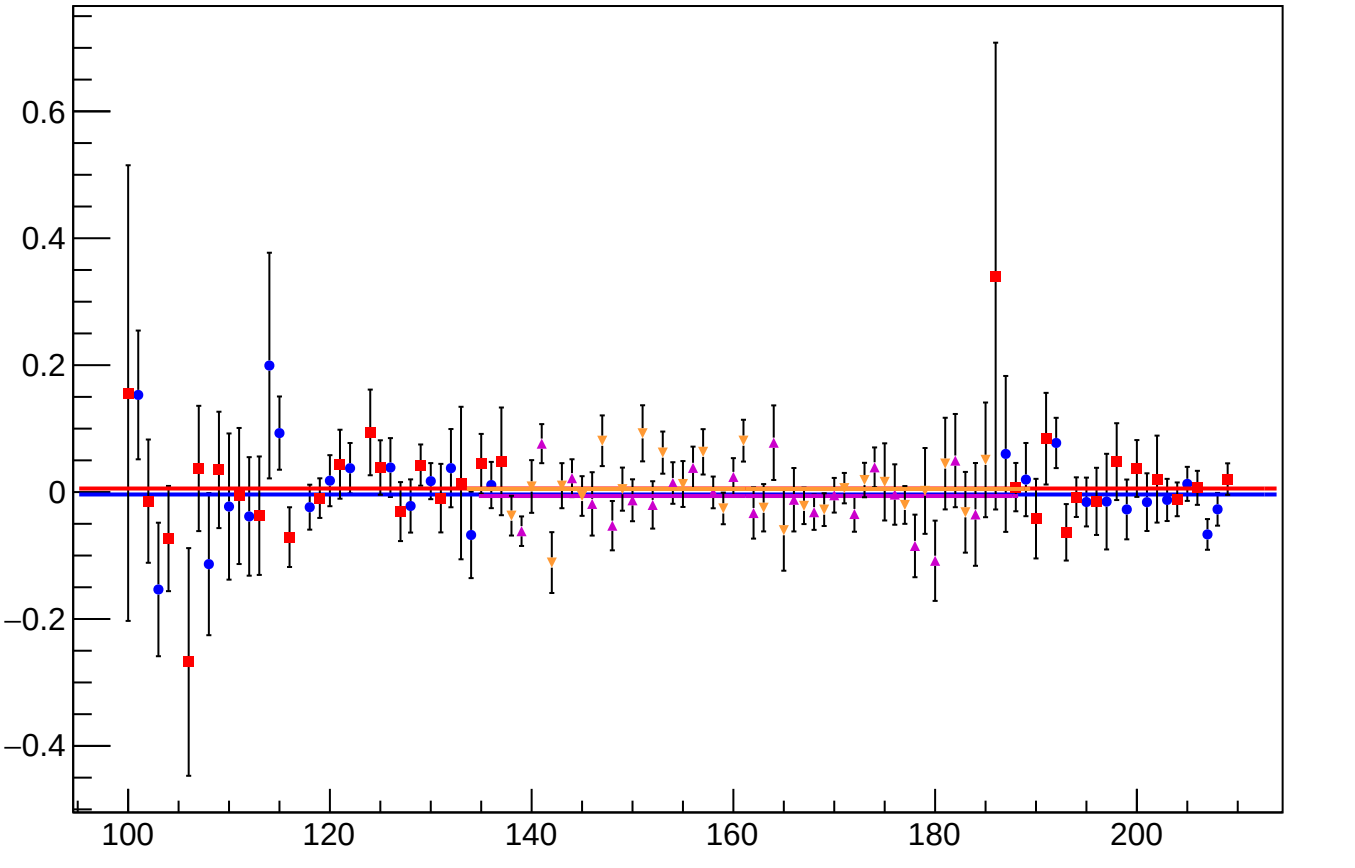
Right Out: 0.002+/-0.000 χ^2/NDF: 6789557.9/31

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17382148.1/51

All: 0.001+/-0.000 χ^2/NDF: 34471379.1/106

- sign 0.001+/-0.000 χ^2/NDF: 16944469.0/54



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

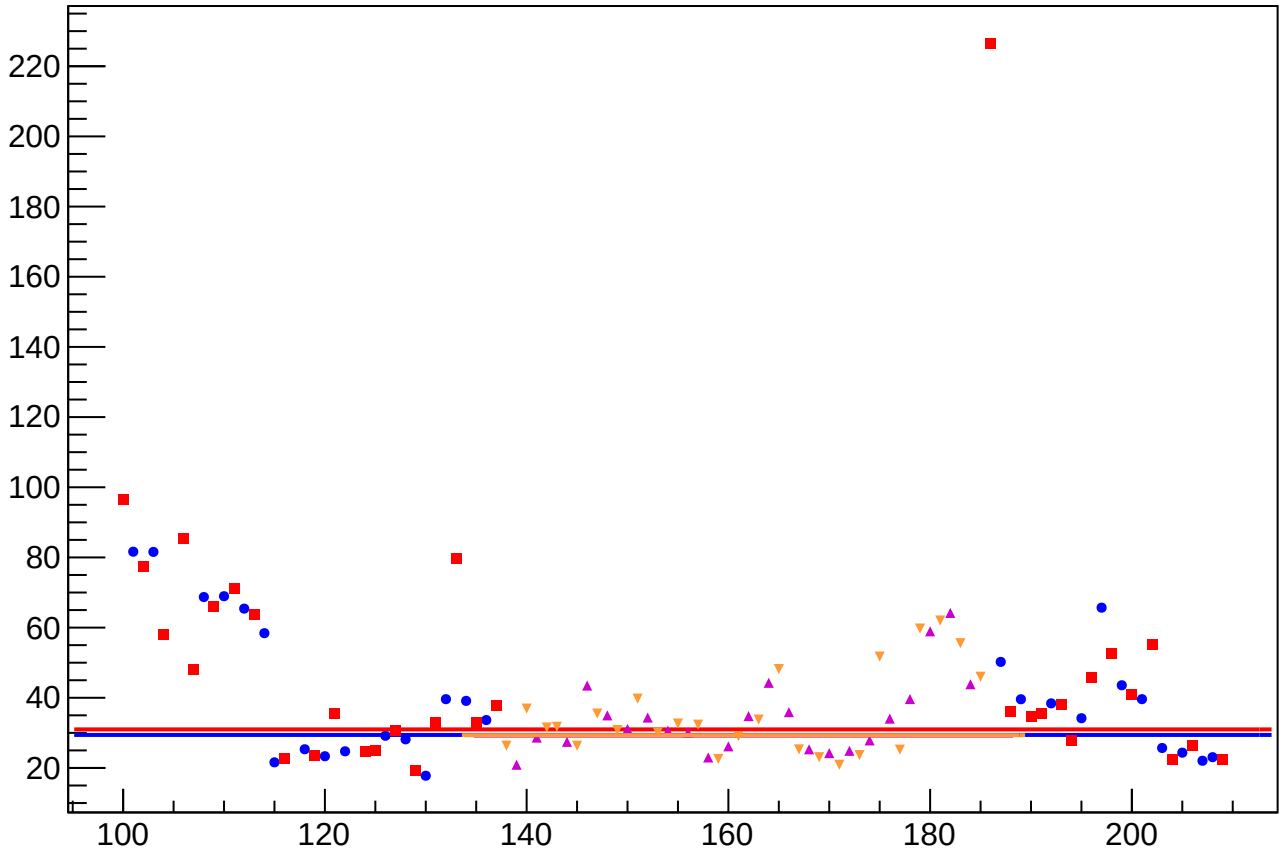
Right Out: 0.006+/-0.008 χ^2/NDF: 19.6/31

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.001+/-0.005 χ^2/NDF: 62.1/51

All: 0.000+/-0.004 χ^2/NDF: 114.0/106

- sign -0.001+/-0.005 χ^2/NDF: 51.7/54



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

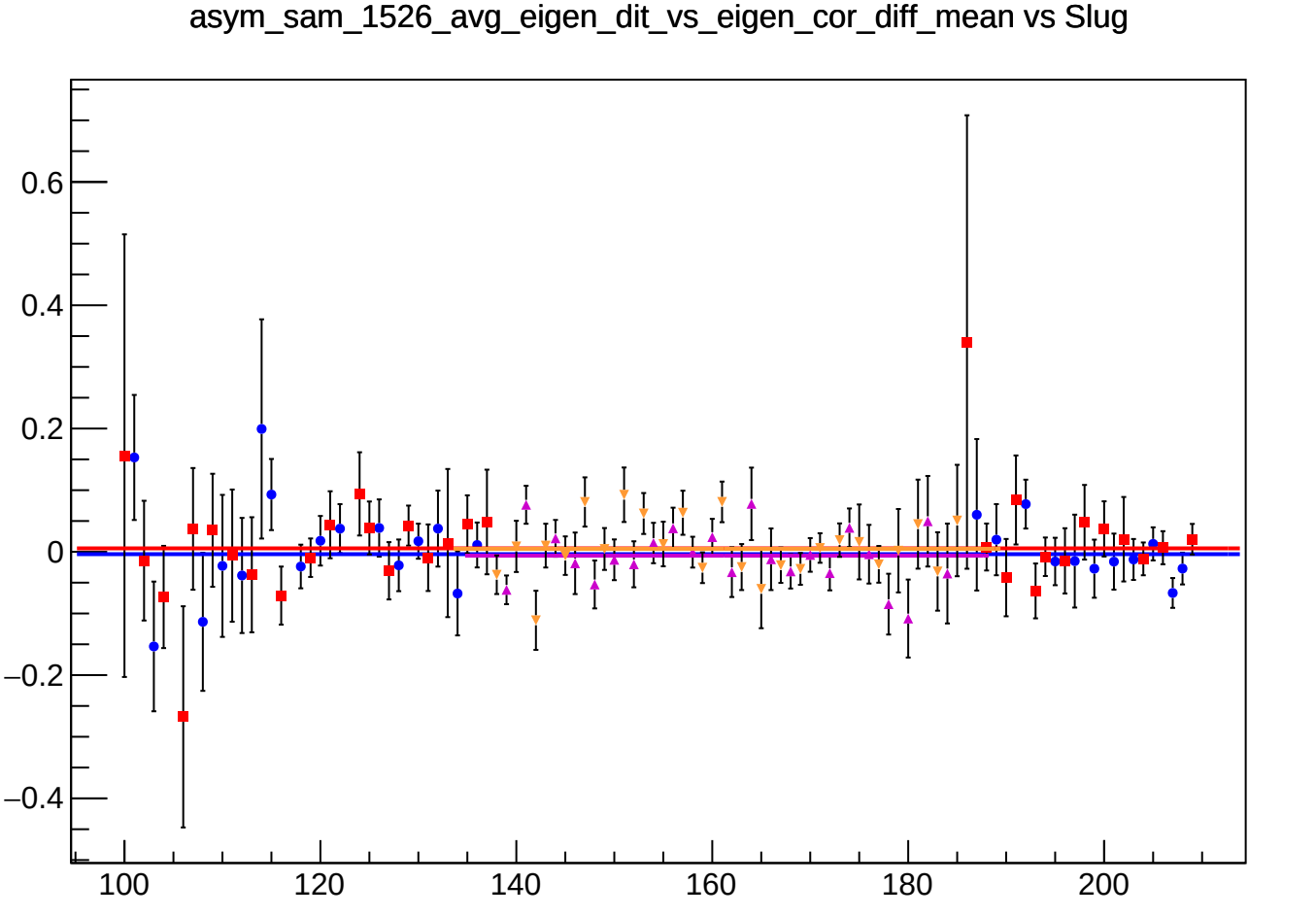
Right Out: 30.992+/-0.006 χ^2/NDF: 4614865.2/31

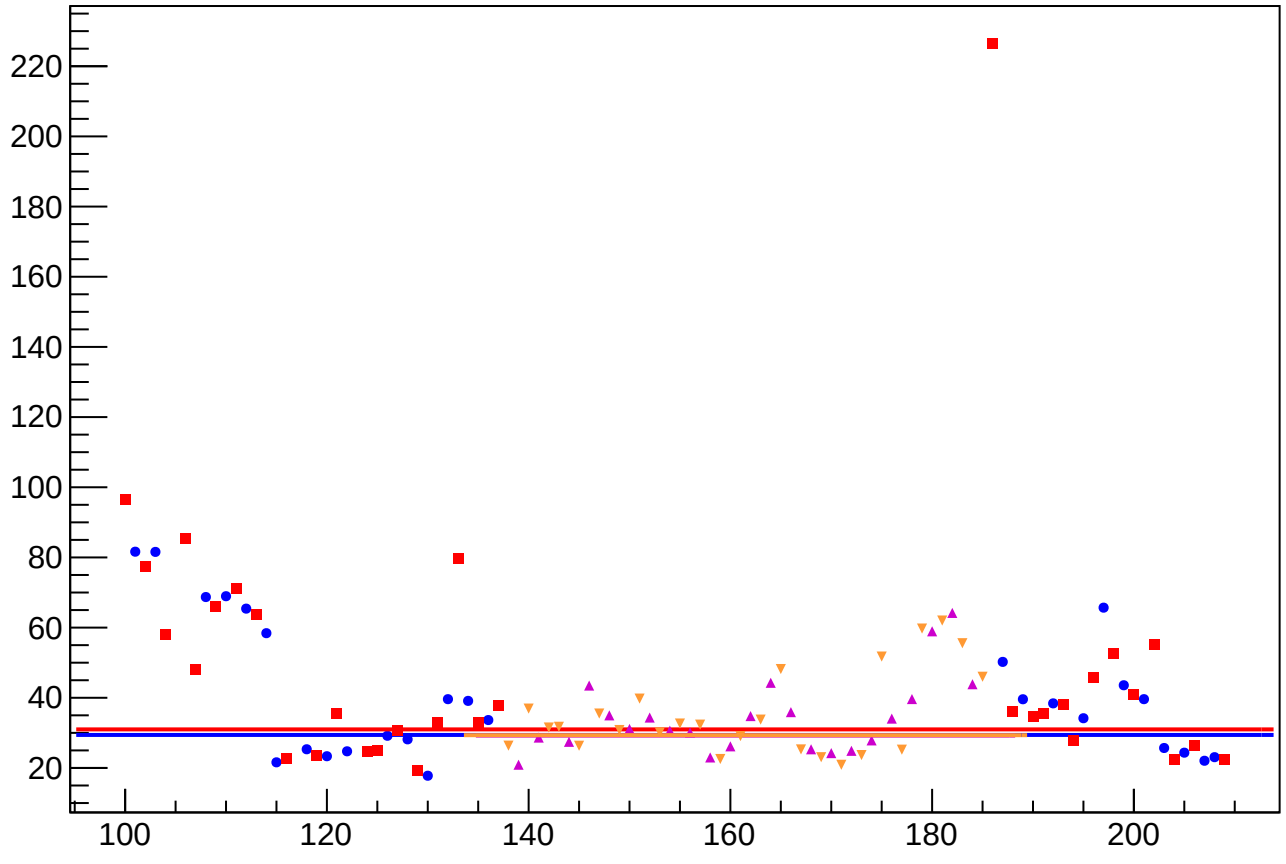
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536612.6/51

All: 29.669+/-0.003 χ^2/NDF: 13312224.5/106

- sign 29.981+/-0.004 χ^2/NDF: 6762968.3/54


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: -0.004+/-0.008 χ²/NDF: 27.5/26
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: 0.006+/-0.008 χ²/NDF: 19.6/31
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.001+/-0.005 χ²/NDF: 62.1/51
All: 0.000+/-0.004 χ²/NDF: 114.0/106
- sign -0.001+/-0.005 χ²/NDF: 51.7/54



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

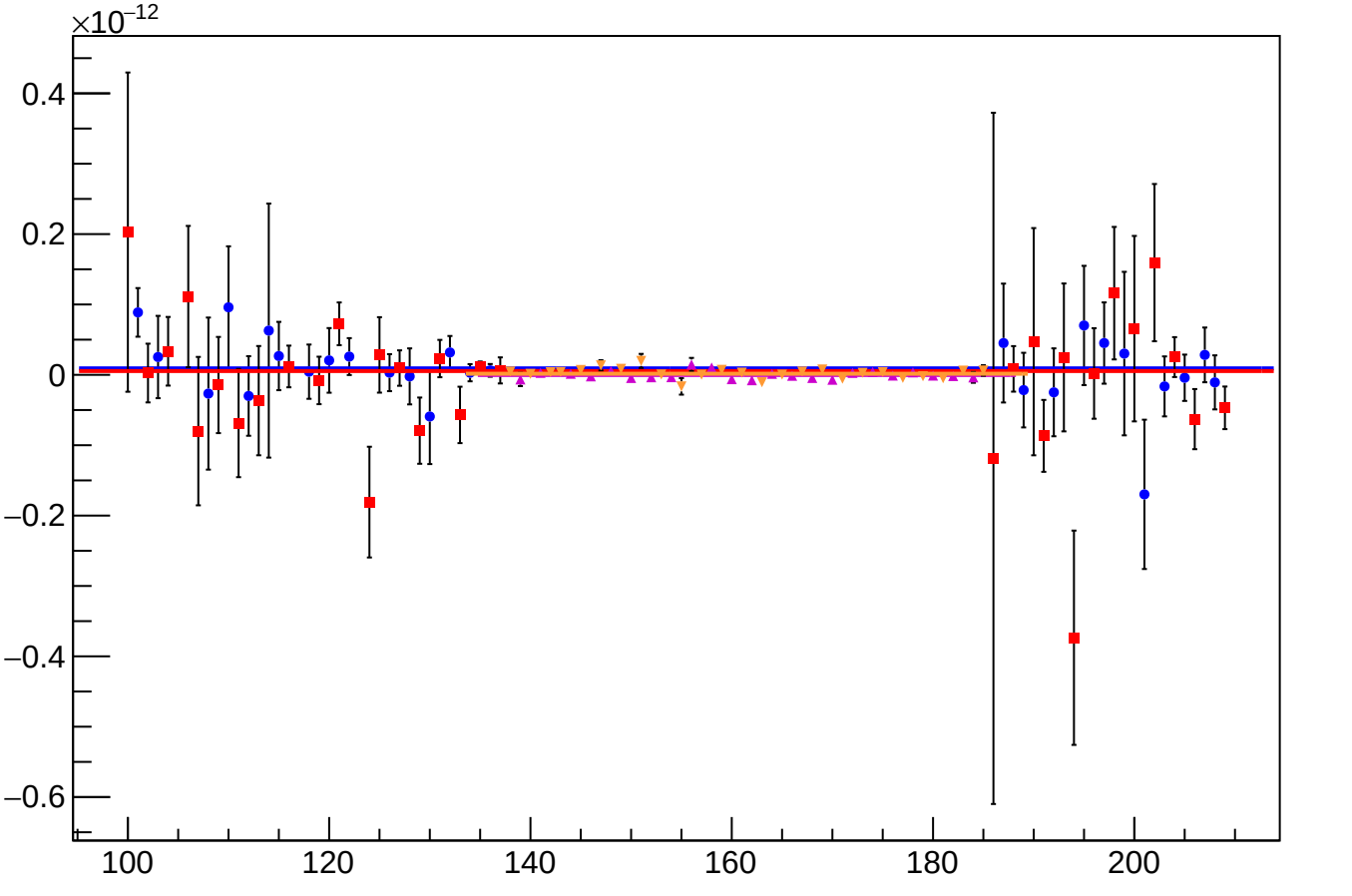
Right Out: 30.992+/-0.006 χ^2/NDF: 4614865.2/31

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.369+/-0.004 χ^2/NDF: 6536612.6/51

All: 29.669+/-0.003 χ^2/NDF: 13312224.5/106

- sign 29.981+/-0.004 χ^2/NDF: 6762968.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

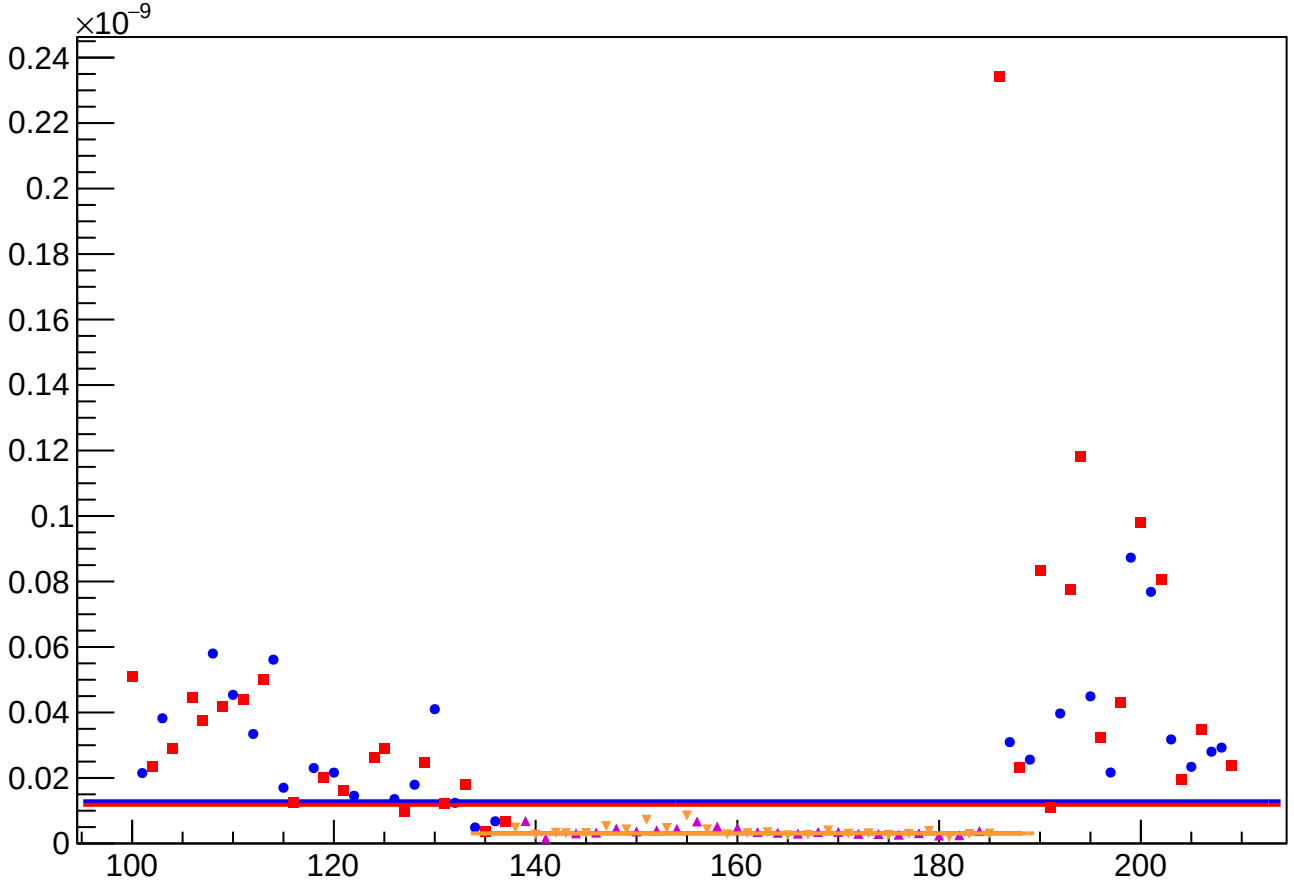
Right Out: 0.000+/-0.000 χ^2/NDF: 40.9/31

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.6/51

All: 0.000+/-0.000 χ^2/NDF: 114.9/106

- sign -0.000+/-0.000 χ^2/NDF: 60.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 7618842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10841212.2/31

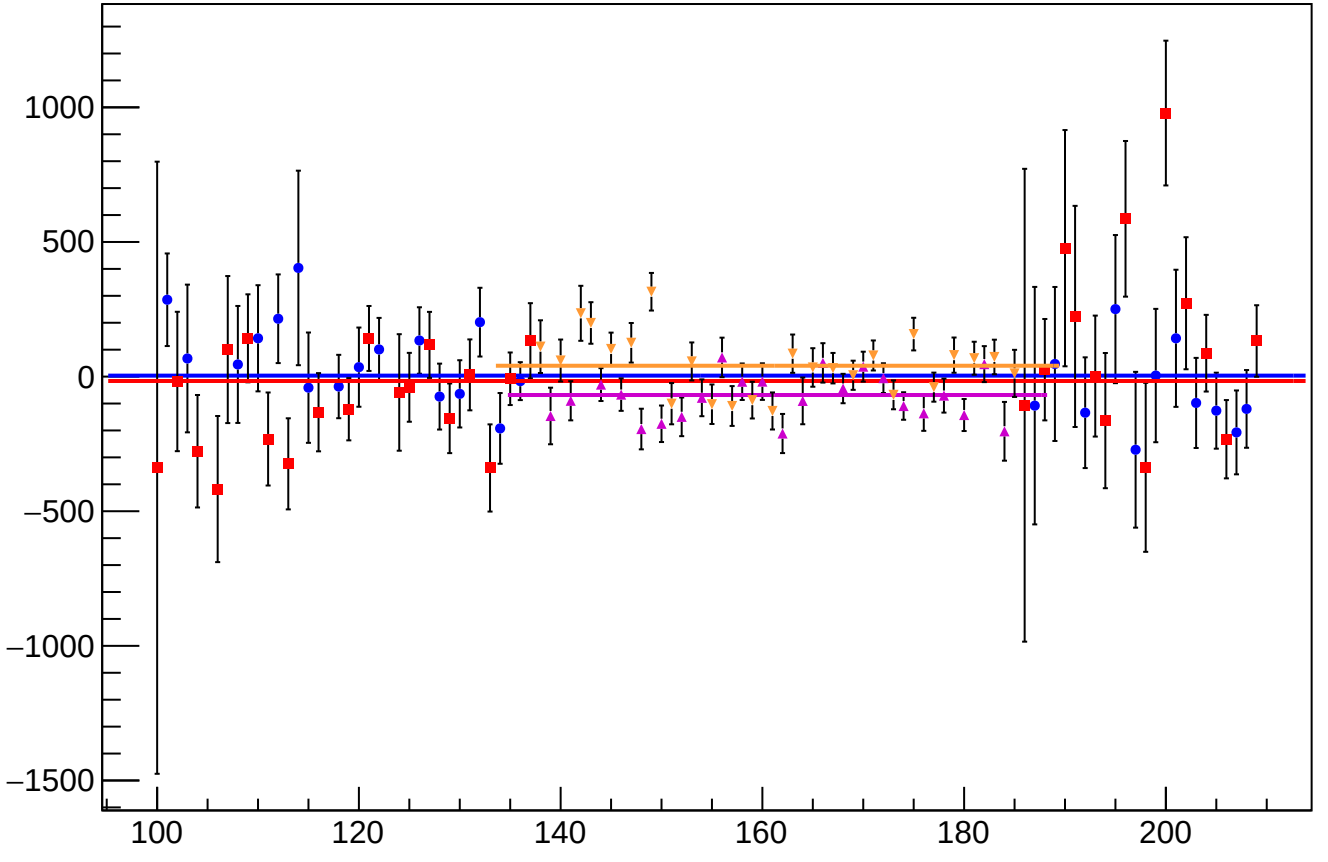
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15627058.3/51

All: 0.000+/-0.000 χ^2/NDF: 33560373.4/106

- sign 0.000+/-0.000 χ^2/NDF: 17933314.1/54

reg_asym_sam_3726_avg_mean vs Slug



Right In: 3.622+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -16.260+/-30.075 χ^2/NDF: 47.1/31

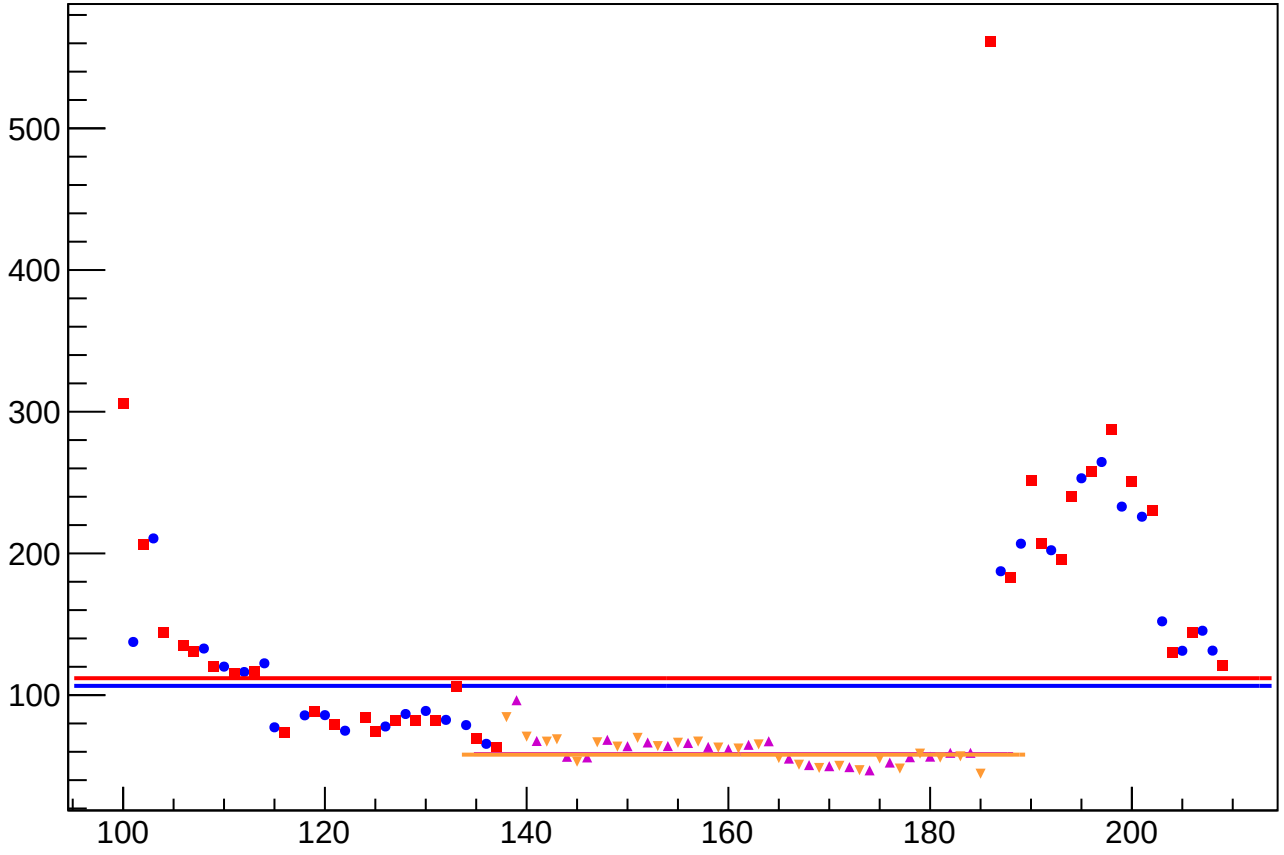
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 34.082+/-12.206 χ^2/NDF: 80.6/51

All: -11.114+/-8.764 χ^2/NDF: 190.2/106

- sign -59.213+/-12.592 χ^2/NDF: 81.3/54

reg_asym_sam_3726_avg_rms vs Slug



Right In: 106.528+/-0.021 χ^2/NDF: 4992287.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

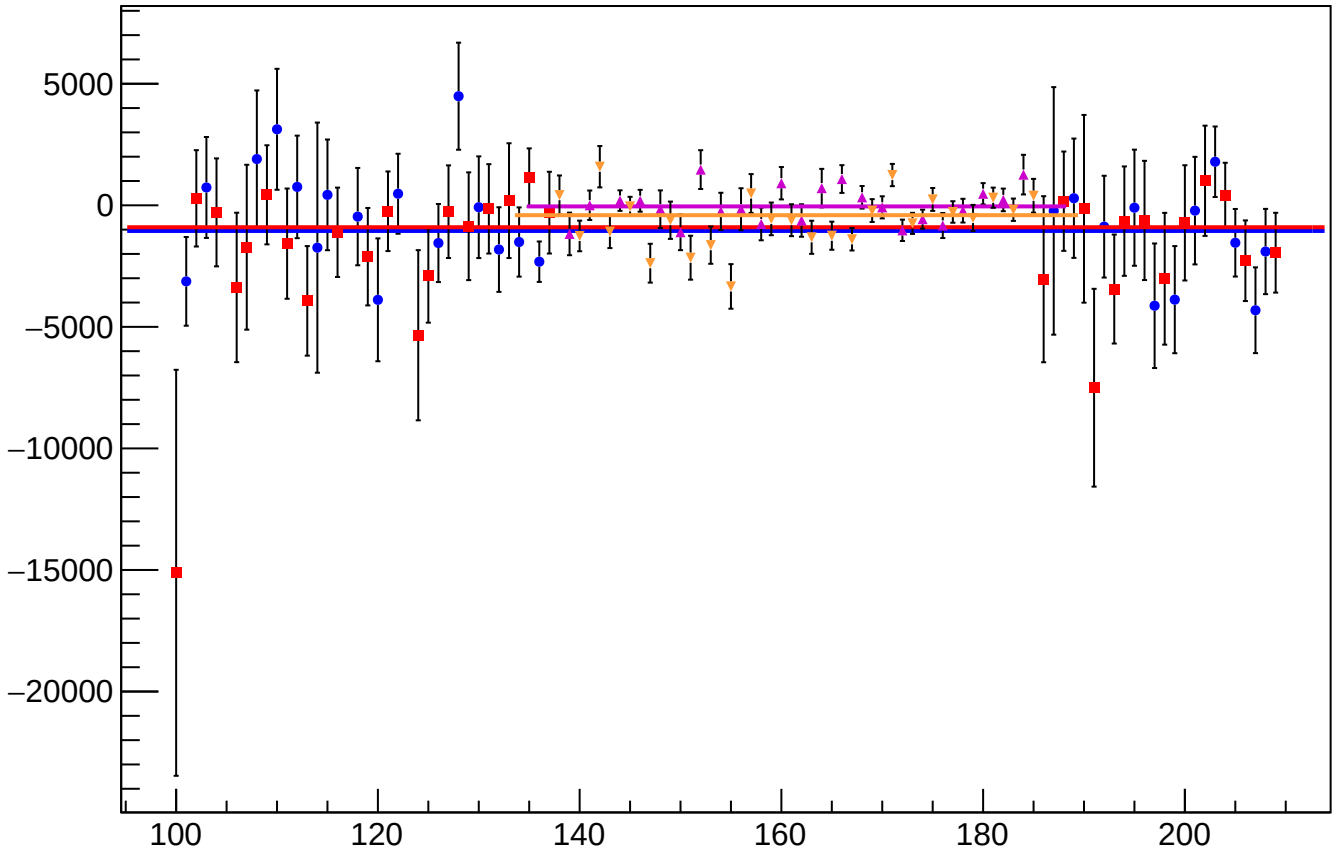
Right Out: 111.938+/-0.021 χ^2/NDF: 6122678.0/31

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.269+/-0.009 χ^2/NDF: 10271251.9/51

All: 67.003+/-0.006 χ^2/NDF: 22371564.7/106

- sign 67.783+/-0.009 χ^2/NDF: 12085416.6/54



Right In: -1054.369+/-354.572 χ^2/NDF: 30.0/26

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -901.646+/-367.722 χ^2/NDF: 21.2/31

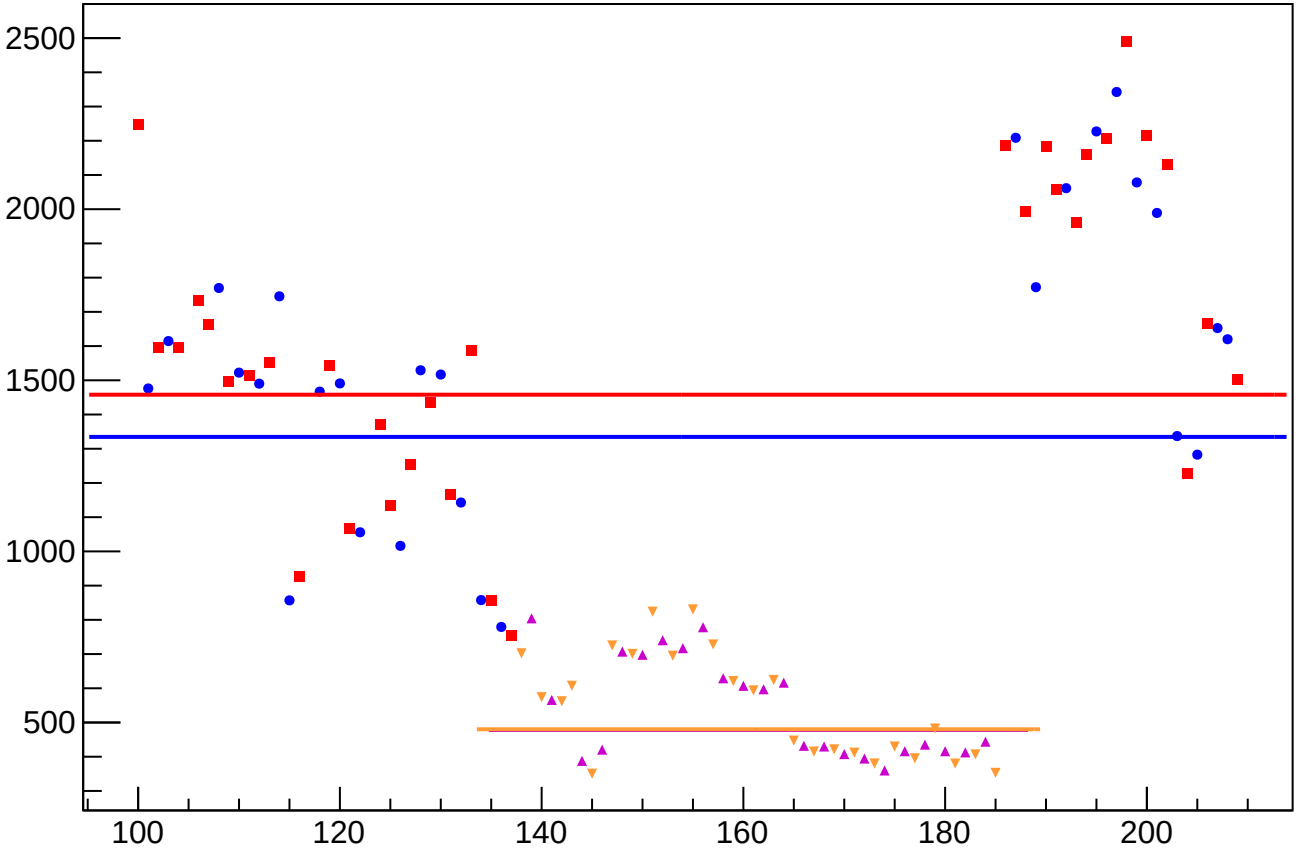
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -466.522+/-108.069 χ^2/NDF: 96.2/51

All: -298.017+/-77.235 χ^2/NDF: 158.3/106

- sign -122.092+/-110.422 χ^2/NDF: 57.2/54

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1334.578+/-0.251 χ^2/NDF: 3019944.4/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

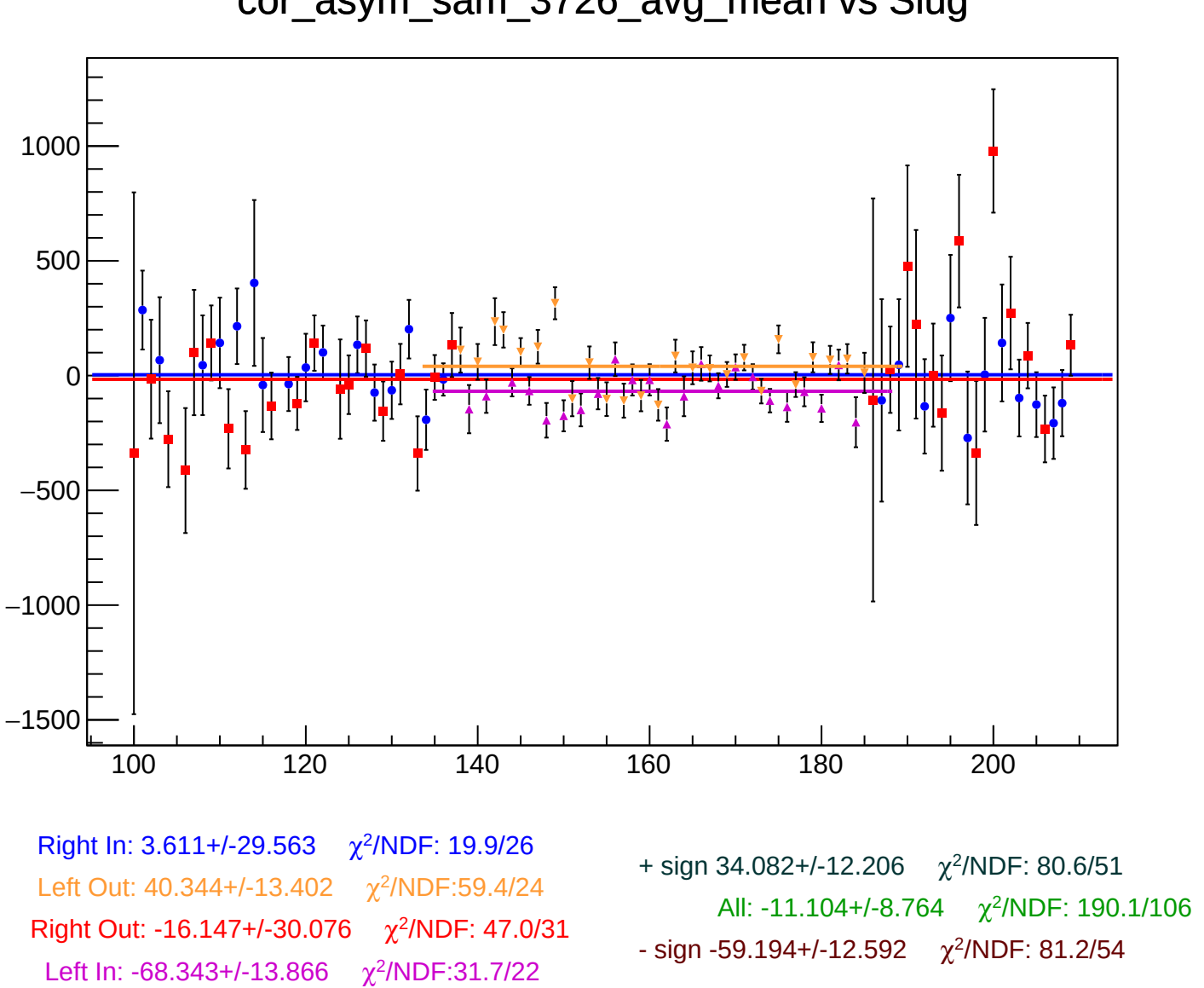
Right Out: 1457.906+/-0.260 χ^2/NDF: 2925102.4/31

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

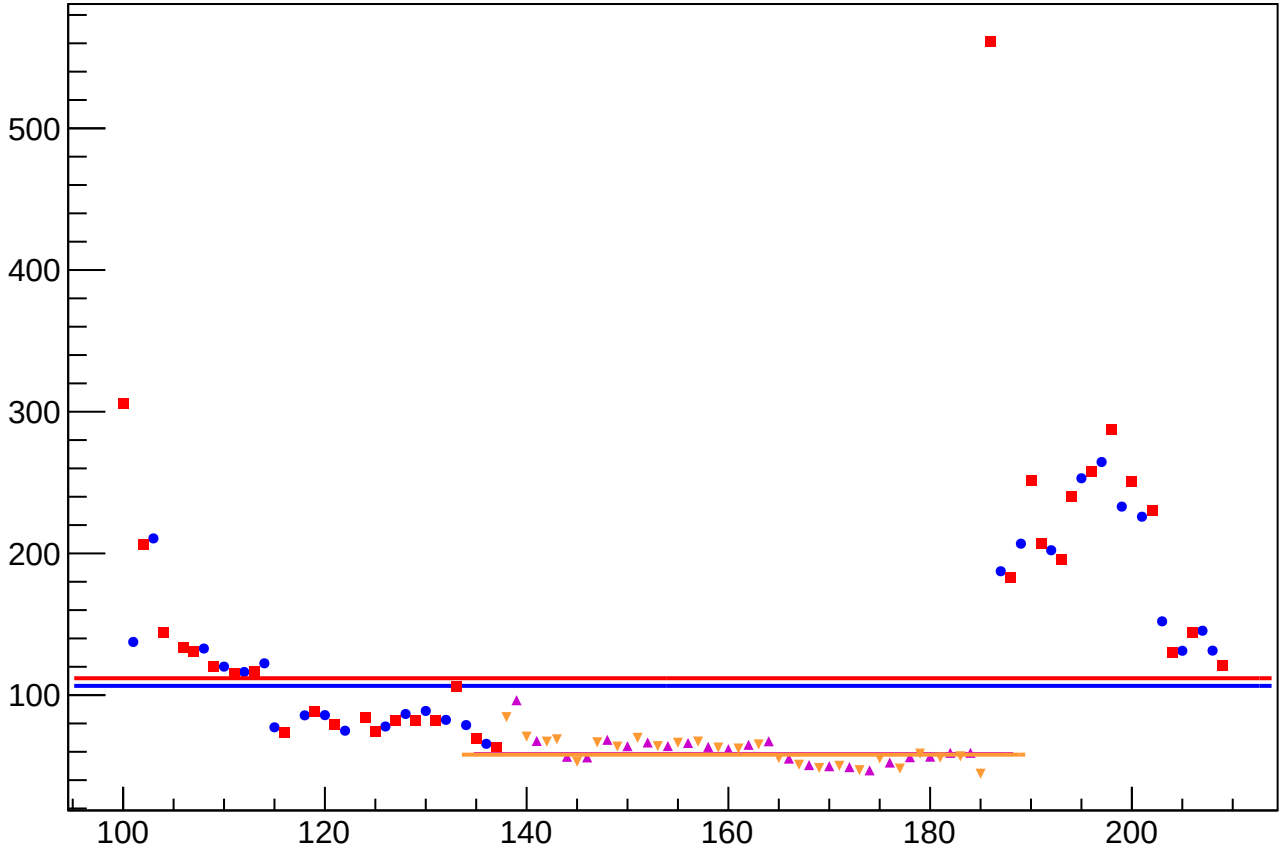
+ sign 559.533+/-0.076 χ^2/NDF: 16136720.0/51

All: 562.910+/-0.055 χ^2/NDF: 34200800.0/10

- sign 566.437+/-0.078 χ^2/NDF: 18060086.7/54


cor_asym_sam_3726_avg_mean vs Slug
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 3.611+/-29.563 χ²/NDF: 19.9/26
Left Out: 40.344+/-13.402 χ²/NDF:59.4/24
Right Out: -16.147+/-30.076 χ²/NDF: 47.0/31
Left In: -68.343+/-13.866 χ²/NDF:31.7/22
+ sign 34.082+/-12.206 χ²/NDF: 80.6/51
All: -11.104+/-8.764 χ²/NDF: 190.1/106
- sign -59.194+/-12.592 χ²/NDF: 81.2/54

cor_asym_sam_3726_avg_rms vs Slug



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

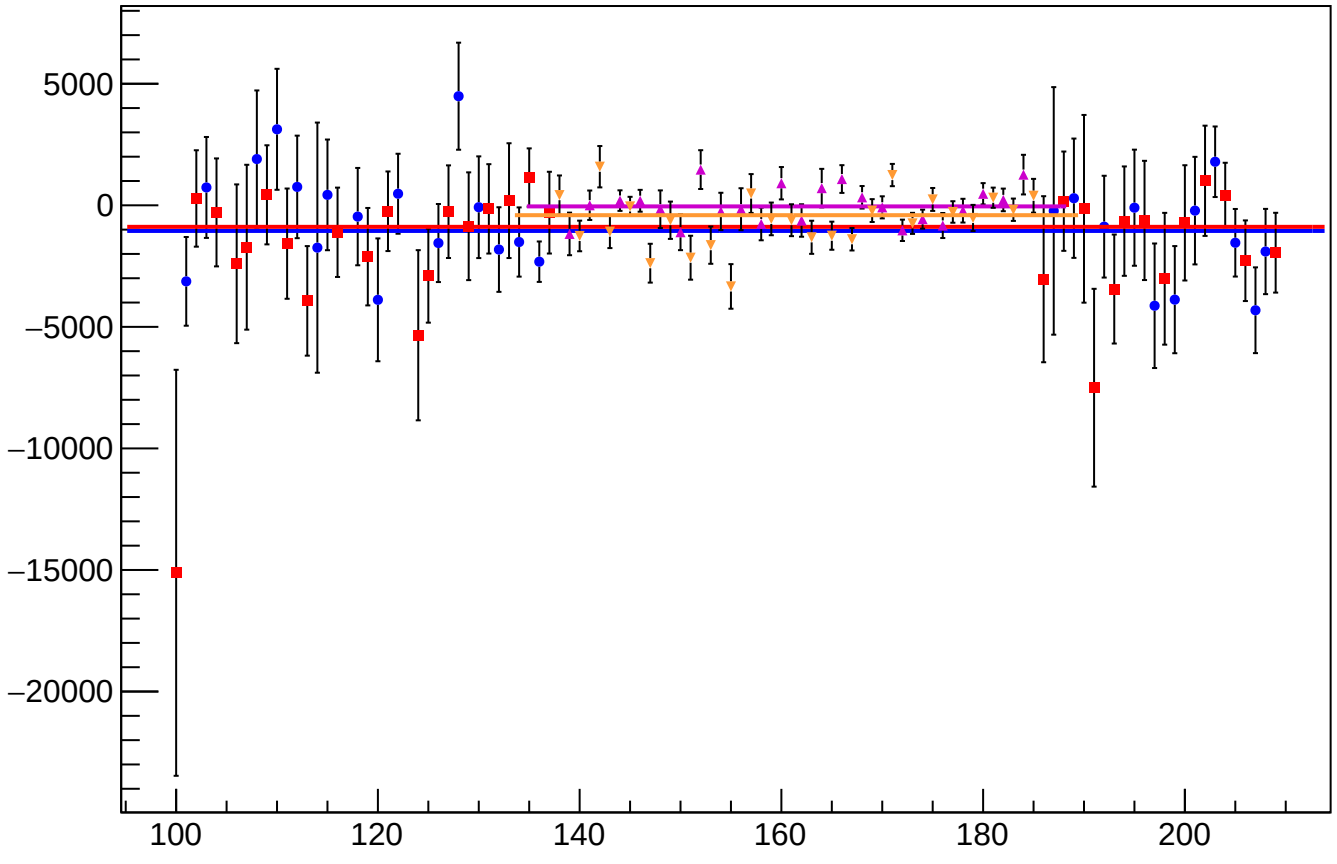
Right Out: 111.913+/-0.021 χ^2/NDF: 6120549.1/31

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.269+/-0.009 χ^2/NDF: 10271254.1/51

All: 67.000+/-0.006 χ^2/NDF: 22363940.6/106

- sign 67.778+/-0.009 χ^2/NDF: 12077892.5/54



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -885.501+/-368.031 χ^2/NDF: 20.7/31

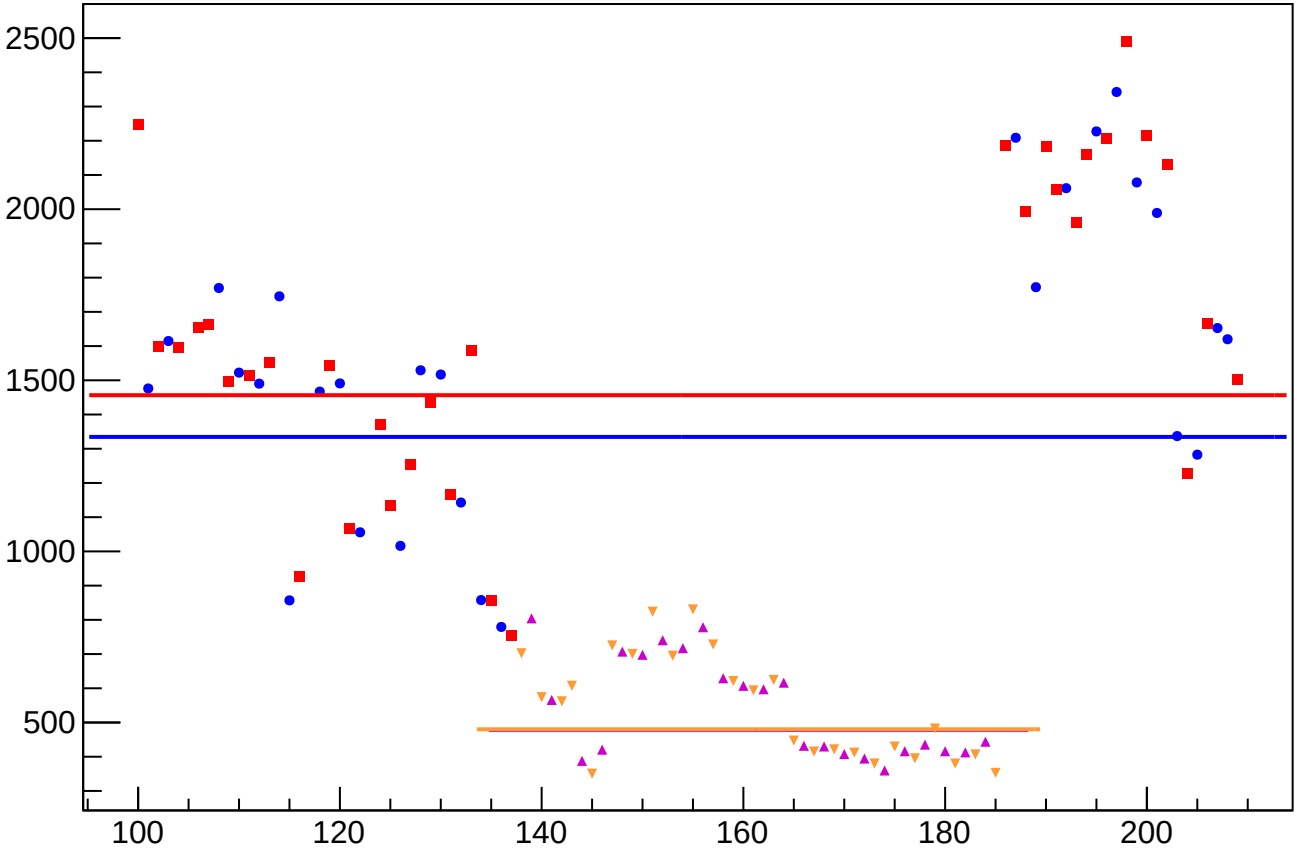
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -466.518+/-108.069 χ^2/NDF: 96.2/51

All: -297.259+/-77.238 χ^2/NDF: 157.7/106

- sign -120.520+/-110.431 χ^2/NDF: 56.5/54

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

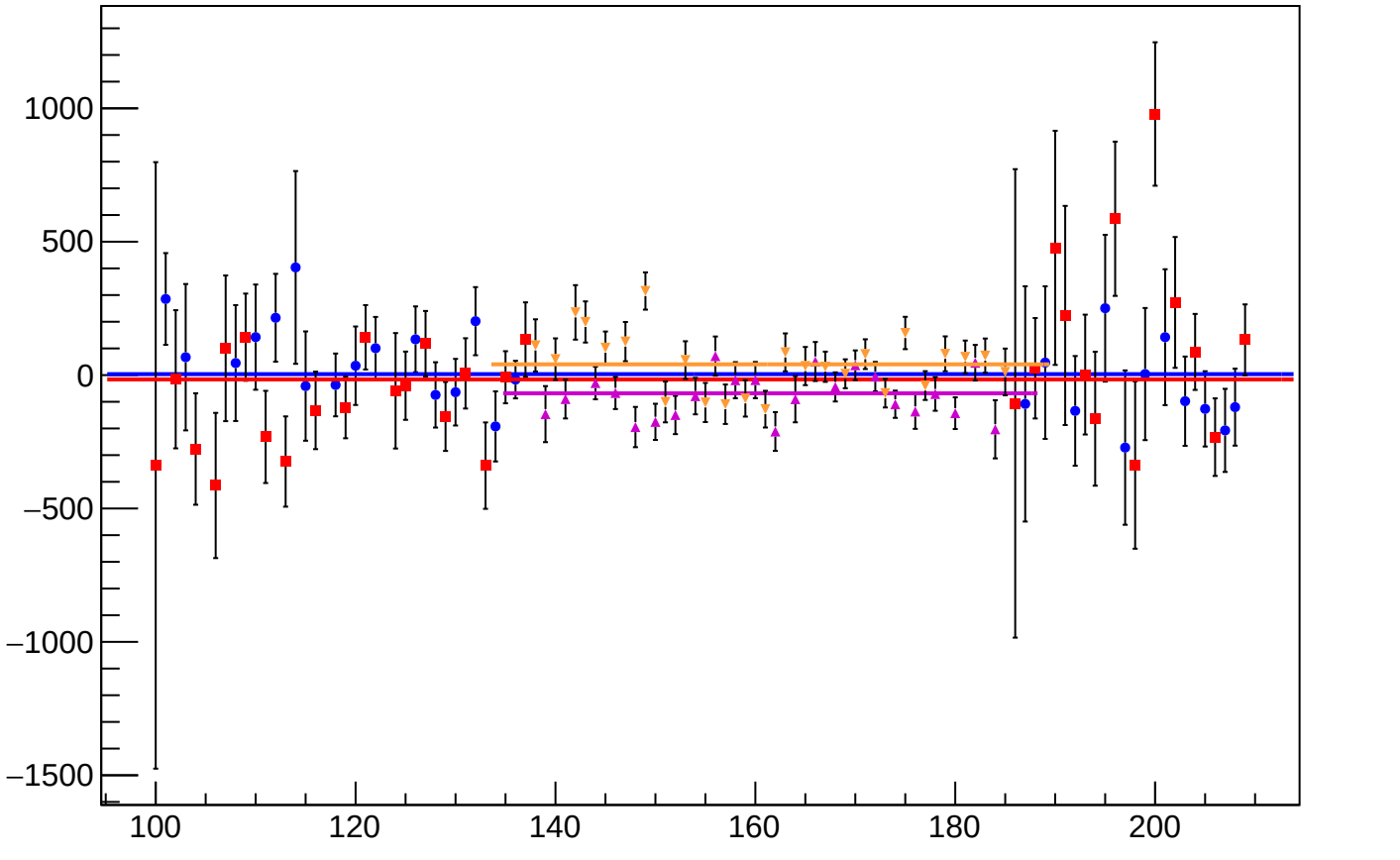
Right Out: 1456.499+/-0.260 χ^2/NDF: 2916469.8/31

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 559.532+/-0.076 χ^2/NDF: 16136748.4/51

All: 562.782+/-0.055 χ^2/NDF: 34135107.4/10

- sign 566.175+/-0.078 χ^2/NDF: 17994662.6/54



Right In: 3.611+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -16.147+/-30.076 χ^2/NDF: 47.0/31

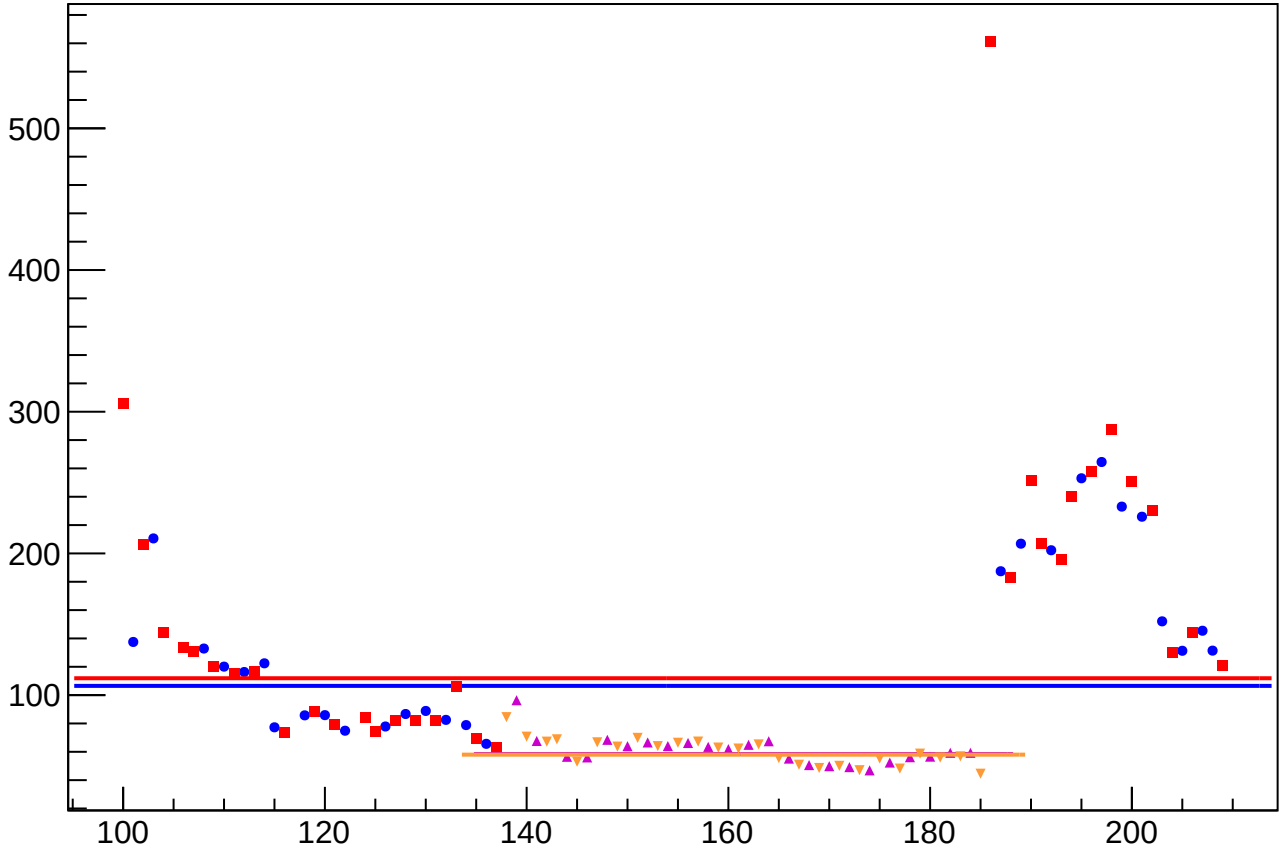
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 34.082+/-12.206 χ^2/NDF: 80.6/51

All: -11.104+/-8.764 χ^2/NDF: 190.1/106

- sign -59.194+/-12.592 χ^2/NDF: 81.2/54

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

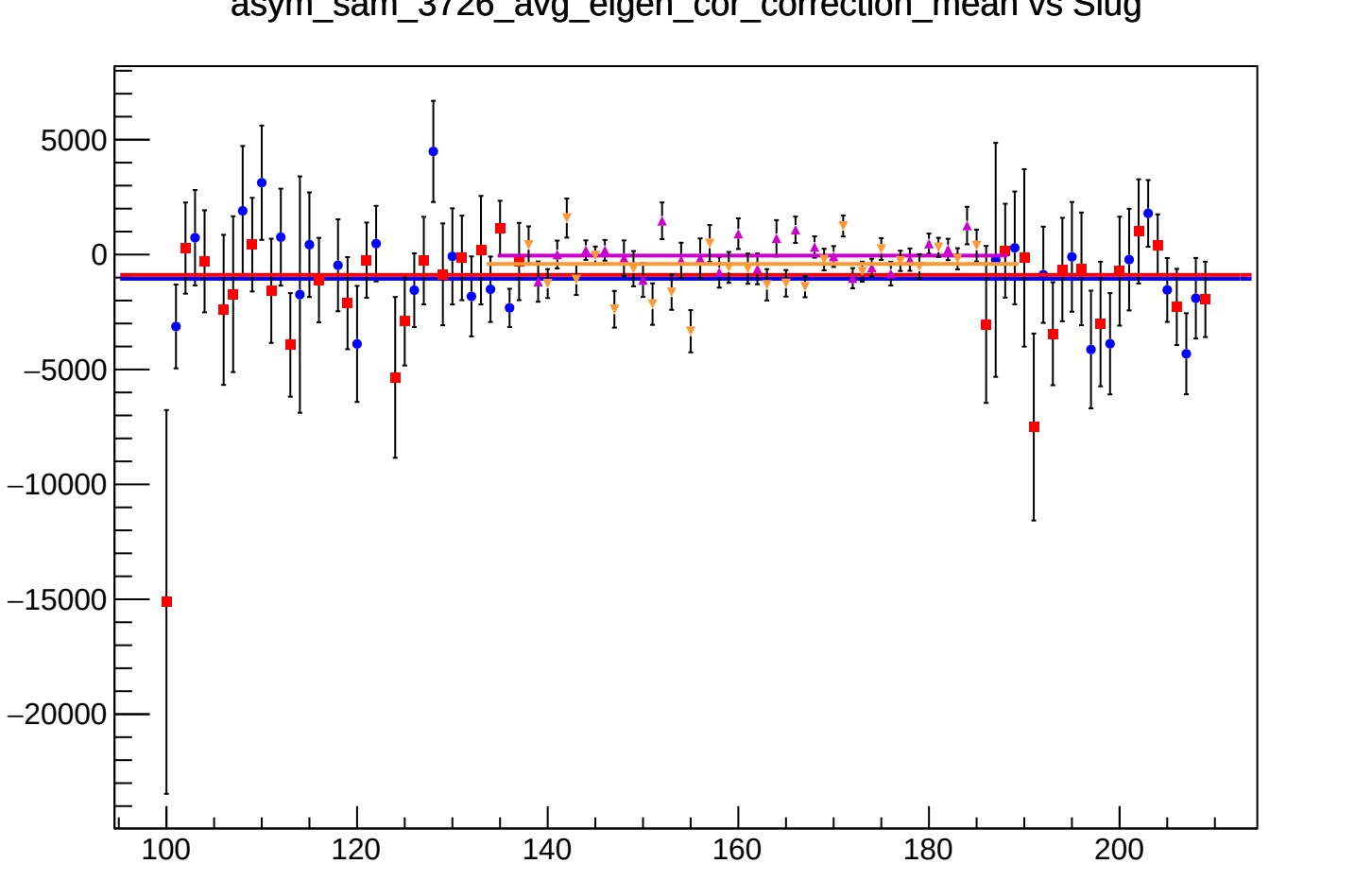
Right Out: 111.913+/-0.021 χ^2/NDF: 6120549.1/31

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 66.269+/-0.009 χ^2/NDF: 10271254.1/51

All: 67.000+/-0.006 χ^2/NDF: 22363940.6/106

- sign 67.778+/-0.009 χ^2/NDF: 12077892.5/54



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

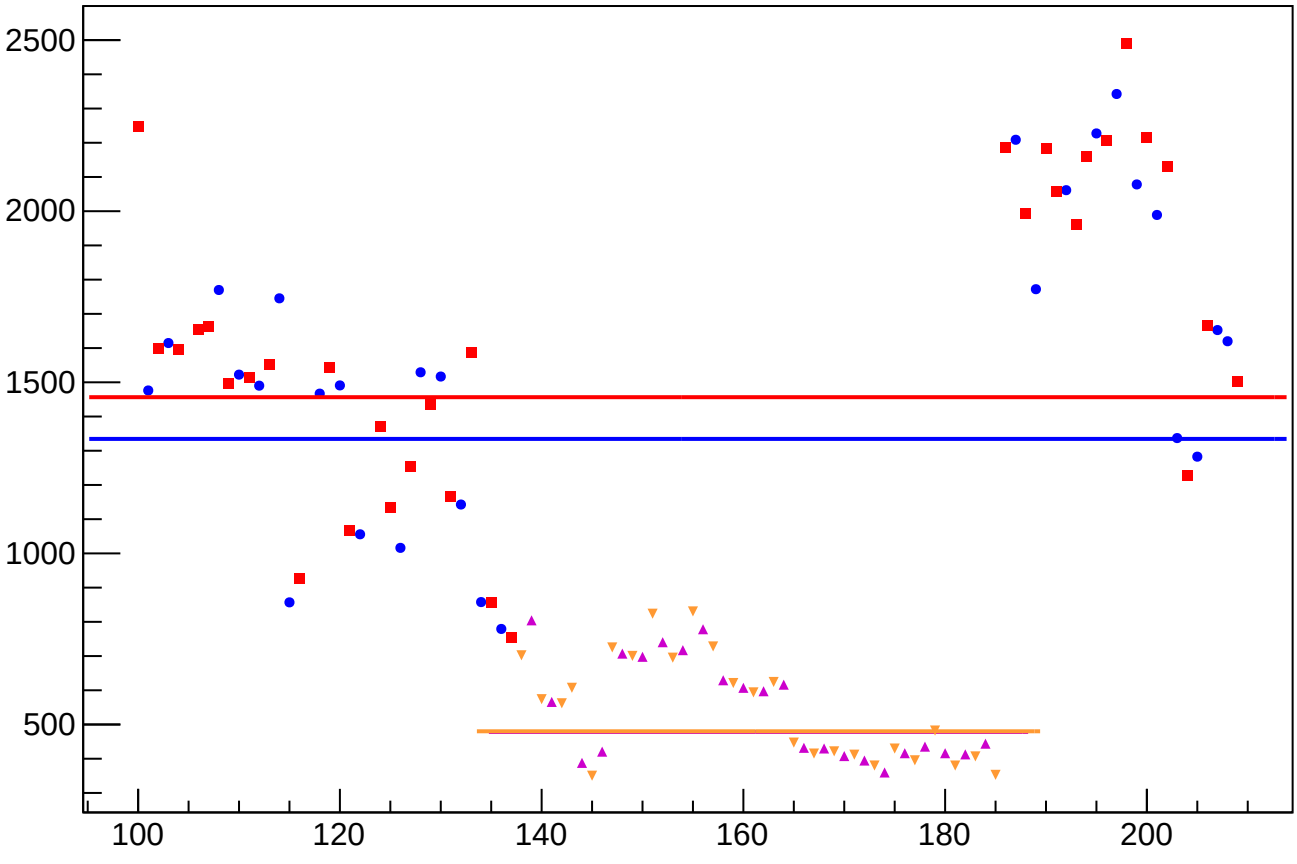
Right Out: -885.501+/-368.031 χ^2/NDF: 20.7/31

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -466.518+/-108.069 χ^2/NDF: 96.2/51

All: -297.259+/-77.238 χ^2/NDF: 157.7/106

- sign -120.520+/-110.431 χ^2/NDF: 56.5/54



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1456.499+/-0.260 χ^2/NDF: 2916469.8/31

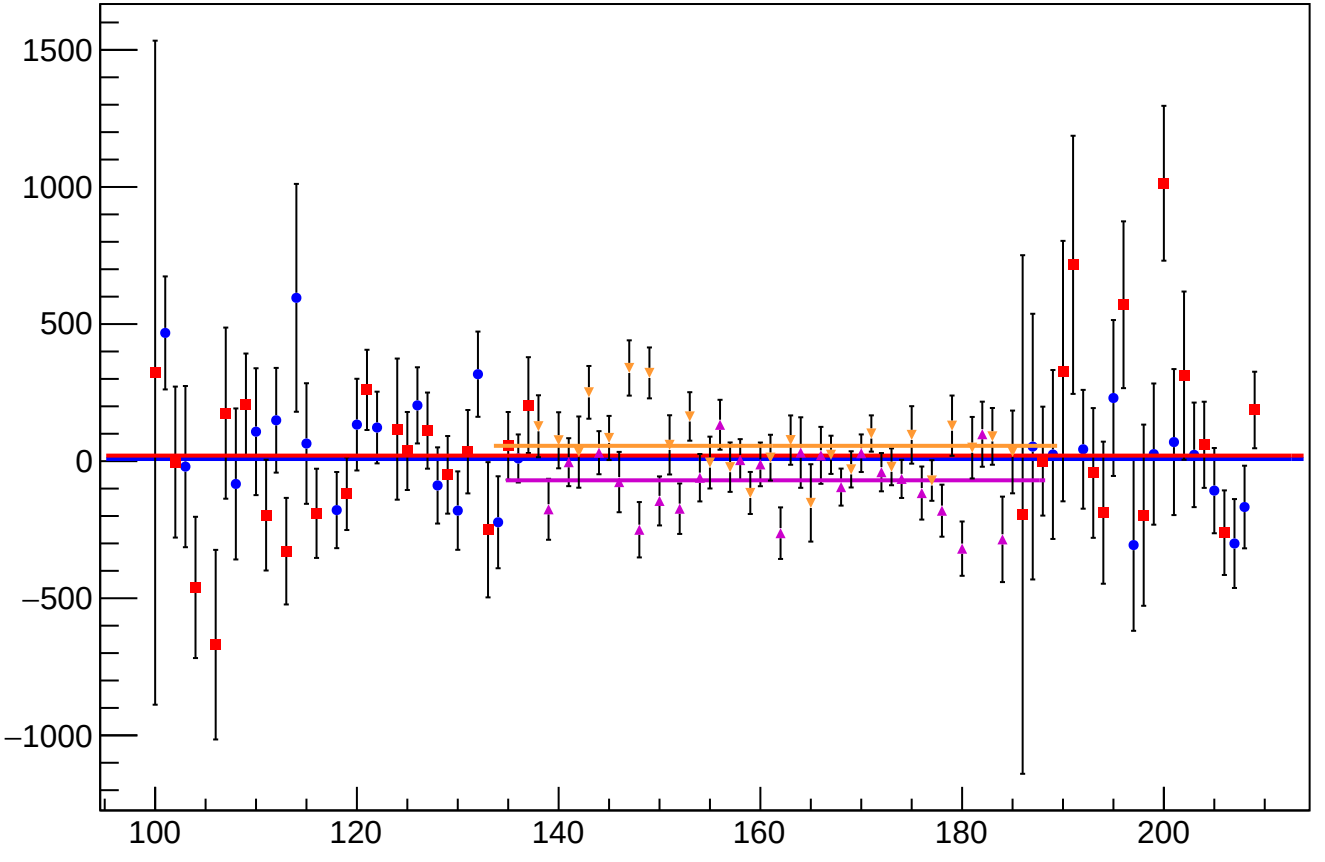
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

\+ sign 559.532+/-0.076 χ^2/NDF: 16136748.4/51

All: 562.782+/-0.055 χ^2/NDF: 34135107.4/10

\- sign 566.175+/-0.078 χ^2/NDF: 17994662.6/54

dit_asym_sam_3726_avg_mean vs Slug



Right In: 7.840+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 20.272+/-34.538 χ^2/NDF: 47.0/31

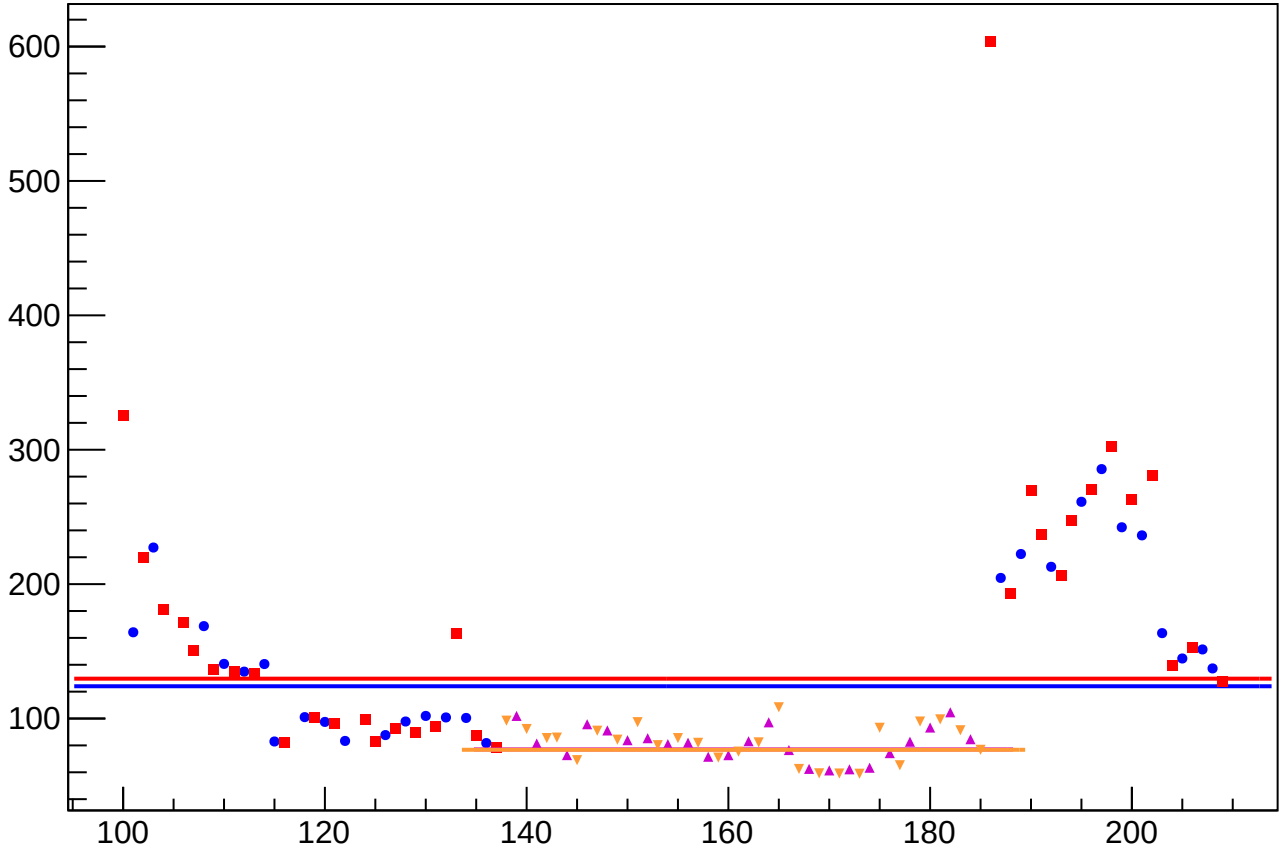
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 45.459+/-15.872 χ^2/NDF: 68.2/51

All: -0.868+/-11.373 χ^2/NDF: 172.5/106

- sign -49.758+/-16.305 χ^2/NDF: 86.8/54

dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.016+/-0.024 χ^2/NDF: 4136288.9/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

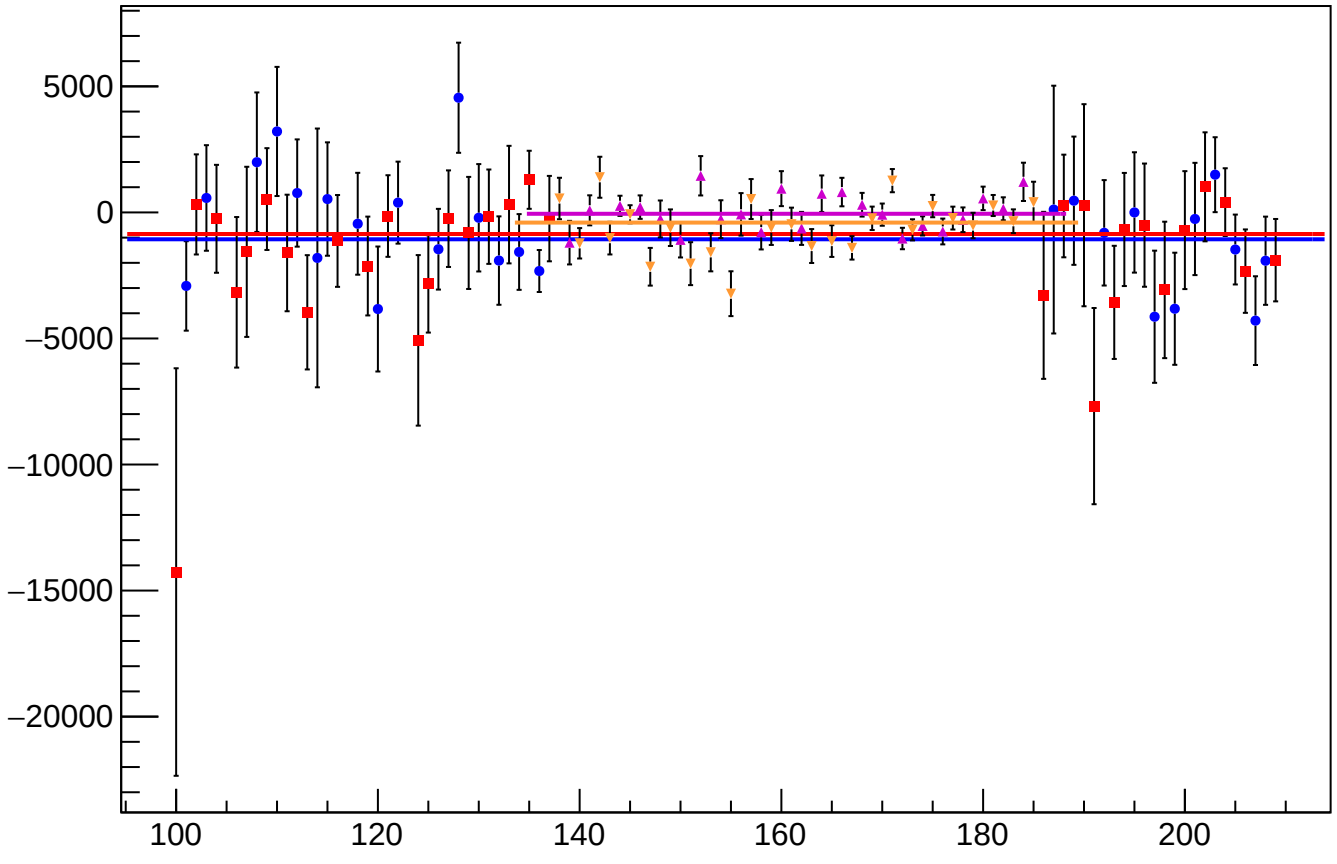
Right Out: 129.655+/-0.024 χ^2/NDF: 5427572.7/31

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

\+ sign 87.051+/-0.011 χ^2/NDF: 8395596.2/51

All: 87.878+/-0.008 χ^2/NDF: 18303309.4/106

\- sign 88.750+/-0.012 χ^2/NDF: 9896558.2/54



Right In: -1066.040+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -856.594+/-364.825 χ^2/NDF: 22.6/31

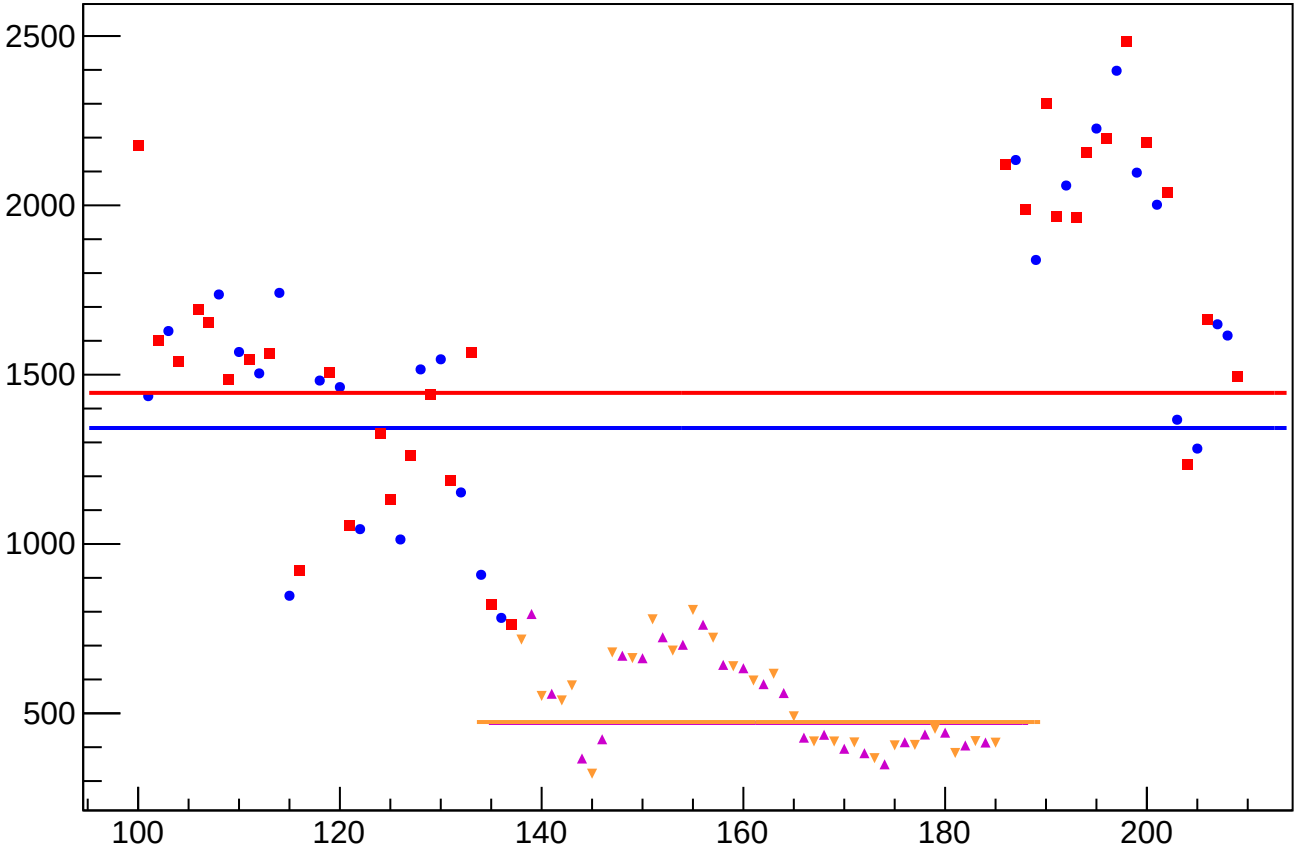
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -462.728+/-106.650 χ^2/NDF: 92.8/51

All: -297.956+/-76.232 χ^2/NDF: 155.4/106

- sign -125.826+/-109.005 χ^2/NDF: 57.7/54

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1342.533+/-0.252 χ^2/NDF: 2993407.1/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1446.251+/-0.258 χ^2/NDF: 2956245.0/31

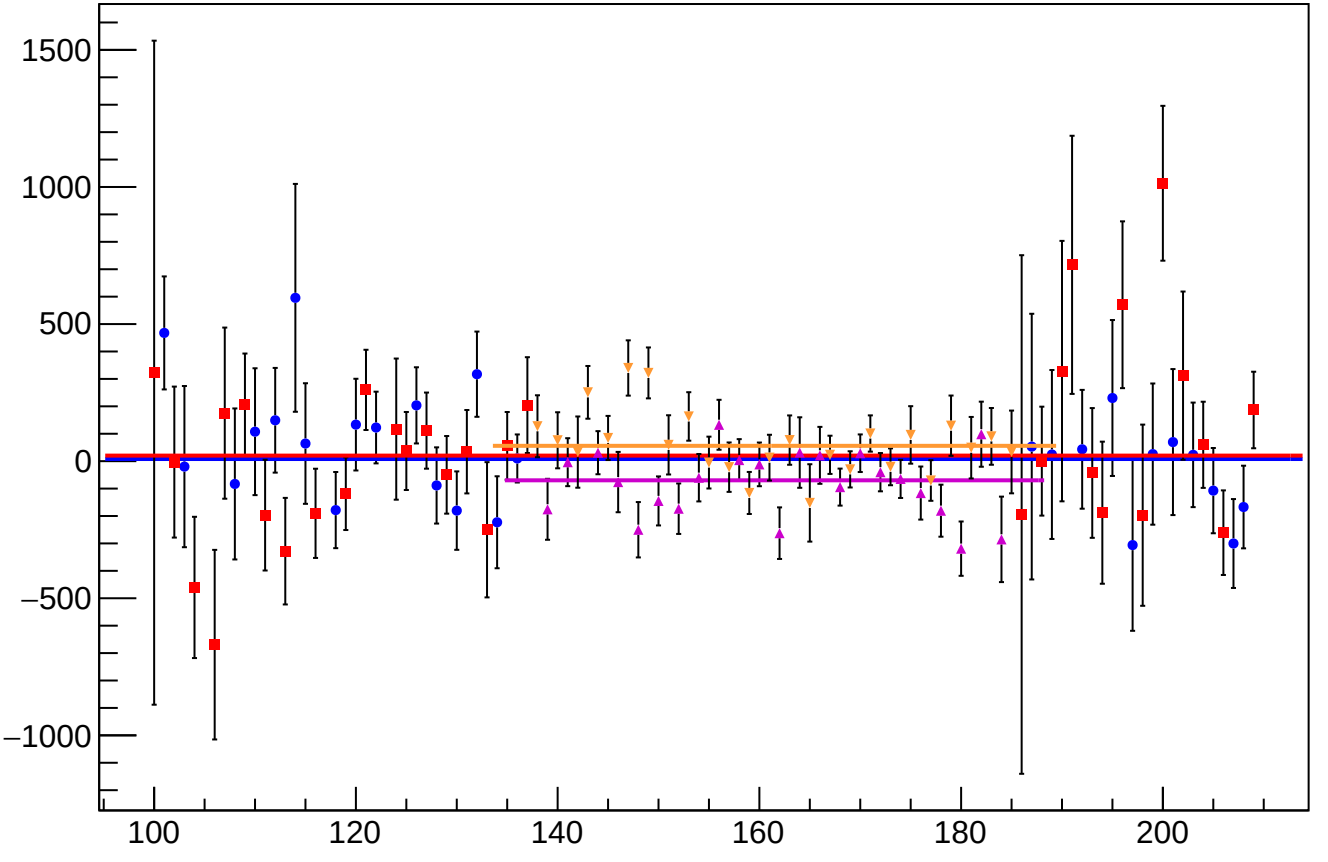
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 552.060+/-0.075 χ^2/NDF: 16341322.8/51

All: 555.200+/-0.054 χ^2/NDF: 34514412.1/10

- sign 558.480+/-0.077 χ^2/NDF: 18169544.0/54

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 7.841+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 20.274+/-34.538 χ^2/NDF: 47.0/31

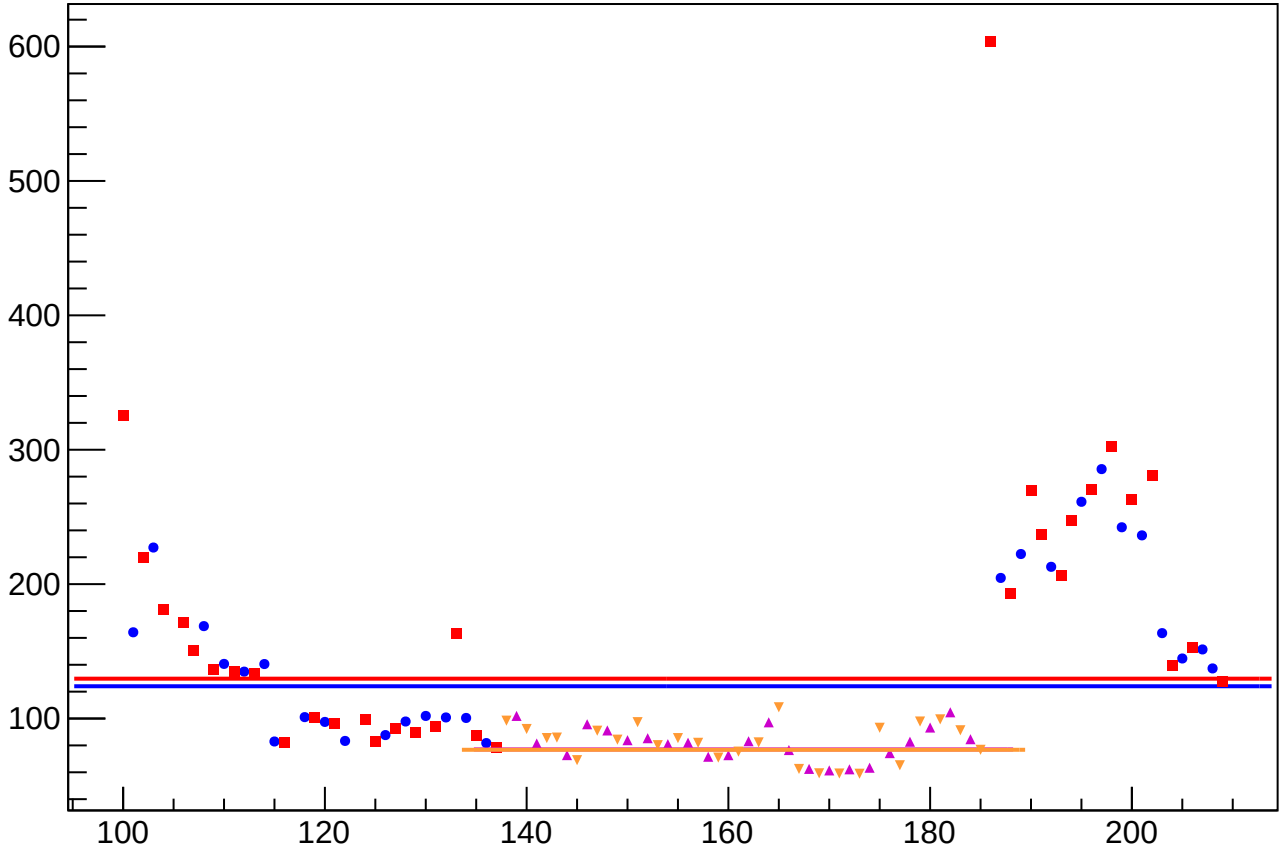
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 45.459+/-15.872 χ^2/NDF: 68.2/51

All: -0.867+/-11.373 χ^2/NDF: 172.5/106

- sign -49.757+/-16.306 χ^2/NDF: 86.8/54

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 124.016+/-0.024 χ^2/NDF: 4136297.4/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

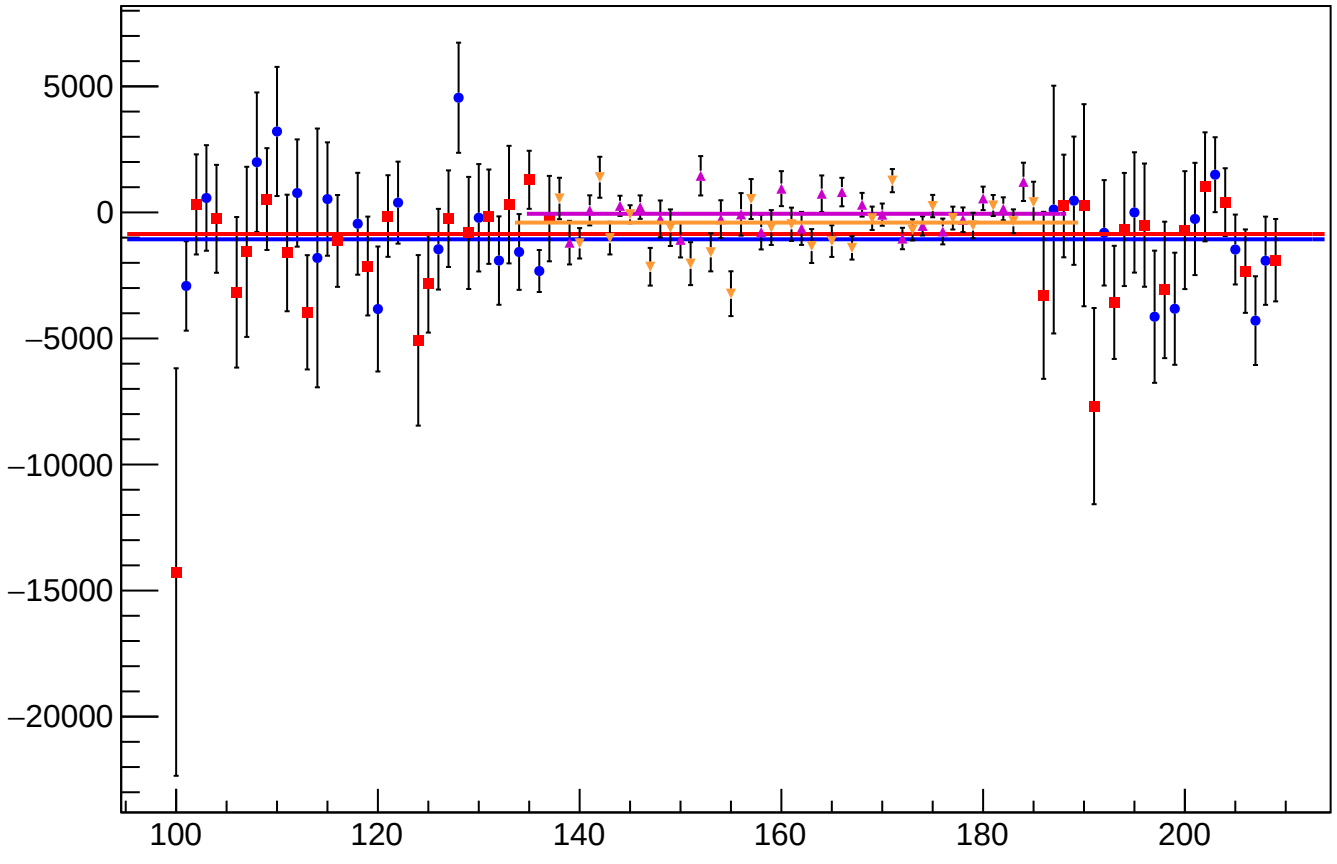
Right Out: 129.655+/-0.024 χ^2/NDF: 5427582.4/31

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

\+ sign 87.051+/-0.011 χ^2/NDF: 8395542.6/51

All: 87.878+/-0.008 χ^2/NDF: 18303202.2/106

\- sign 88.750+/-0.012 χ^2/NDF: 9896504.1/54



Right In: -1066.037+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

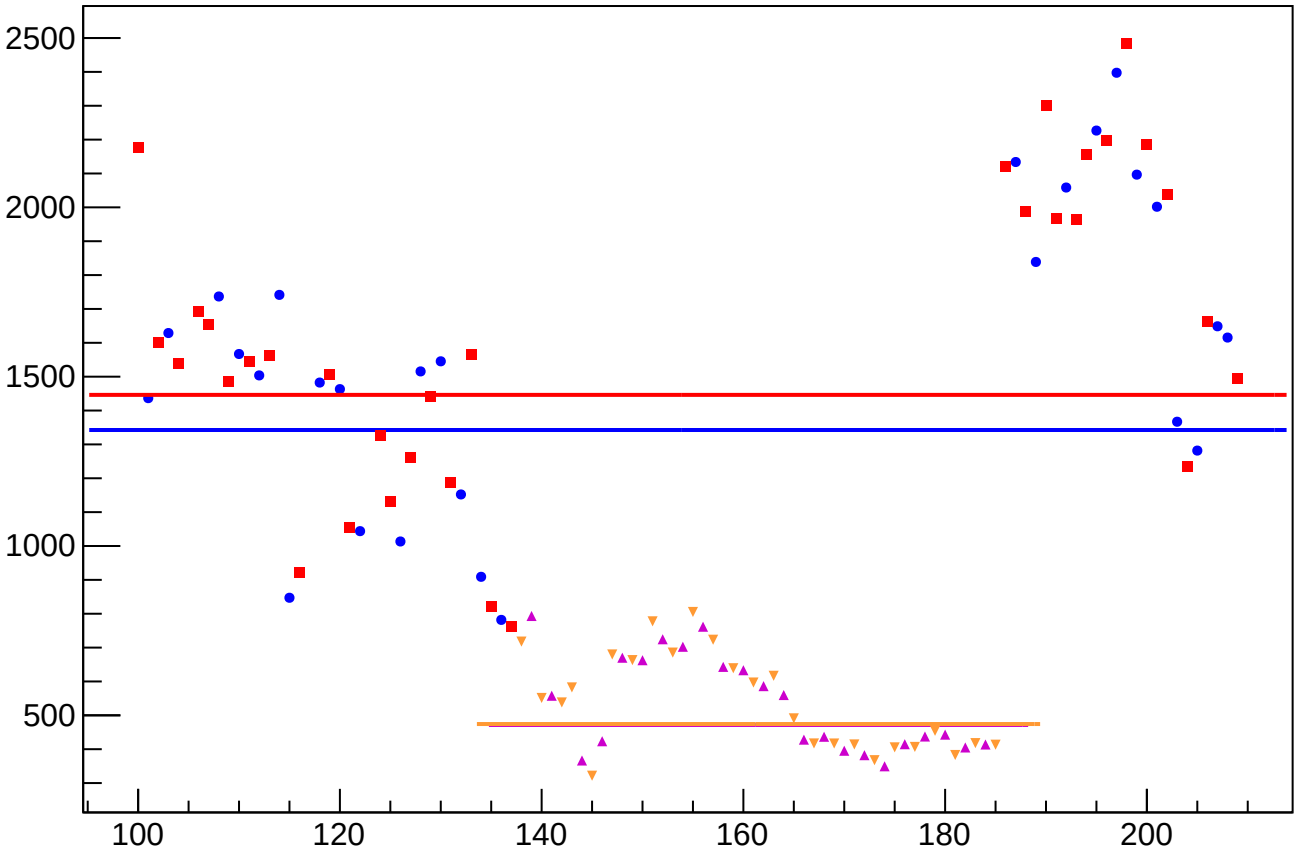
Right Out: -856.594+/-364.824 χ^2/NDF: 22.6/31

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -462.728+/-106.650 χ^2/NDF: 92.8/51

All: -297.956+/-76.232 χ^2/NDF: 155.4/106

- sign -125.826+/-109.005 χ^2/NDF: 57.7/54



Right In: 1342.532+/-0.252 χ^2/NDF: 2993398.3/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1446.250+/-0.258 χ^2/NDF: 2956240.6/31

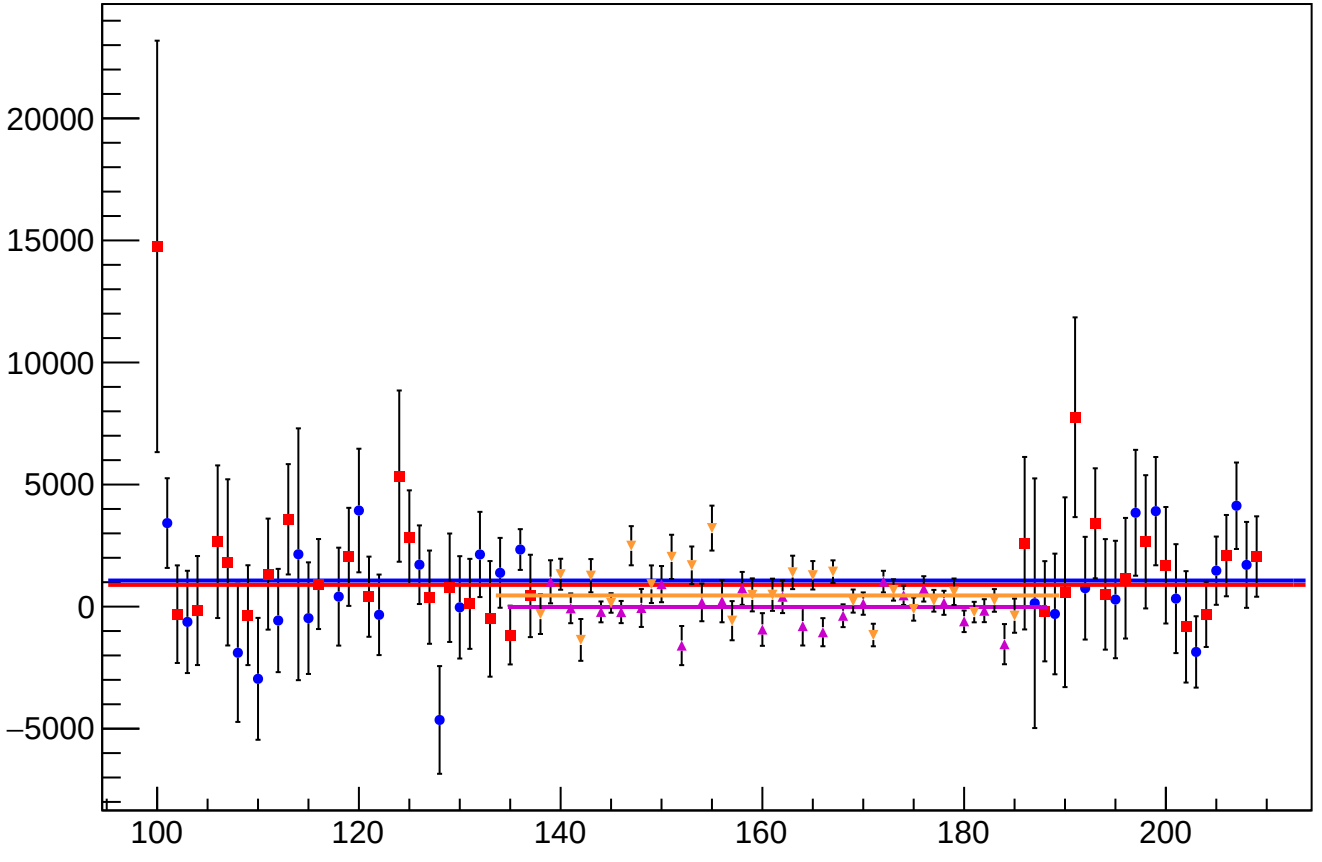
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 552.059+/-0.075 χ^2/NDF: 16341321.1/51

All: 555.200+/-0.054 χ^2/NDF: 34514395.5/10

- sign 558.480+/-0.077 χ^2/NDF: 18169528.9/54

asym_sam_3726_avg_mean vs Slug



Right In: 1068.252+/-356.216 χ^2/NDF: 29.7/26

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 890.509+/-369.466 χ^2/NDF: 19.7/31

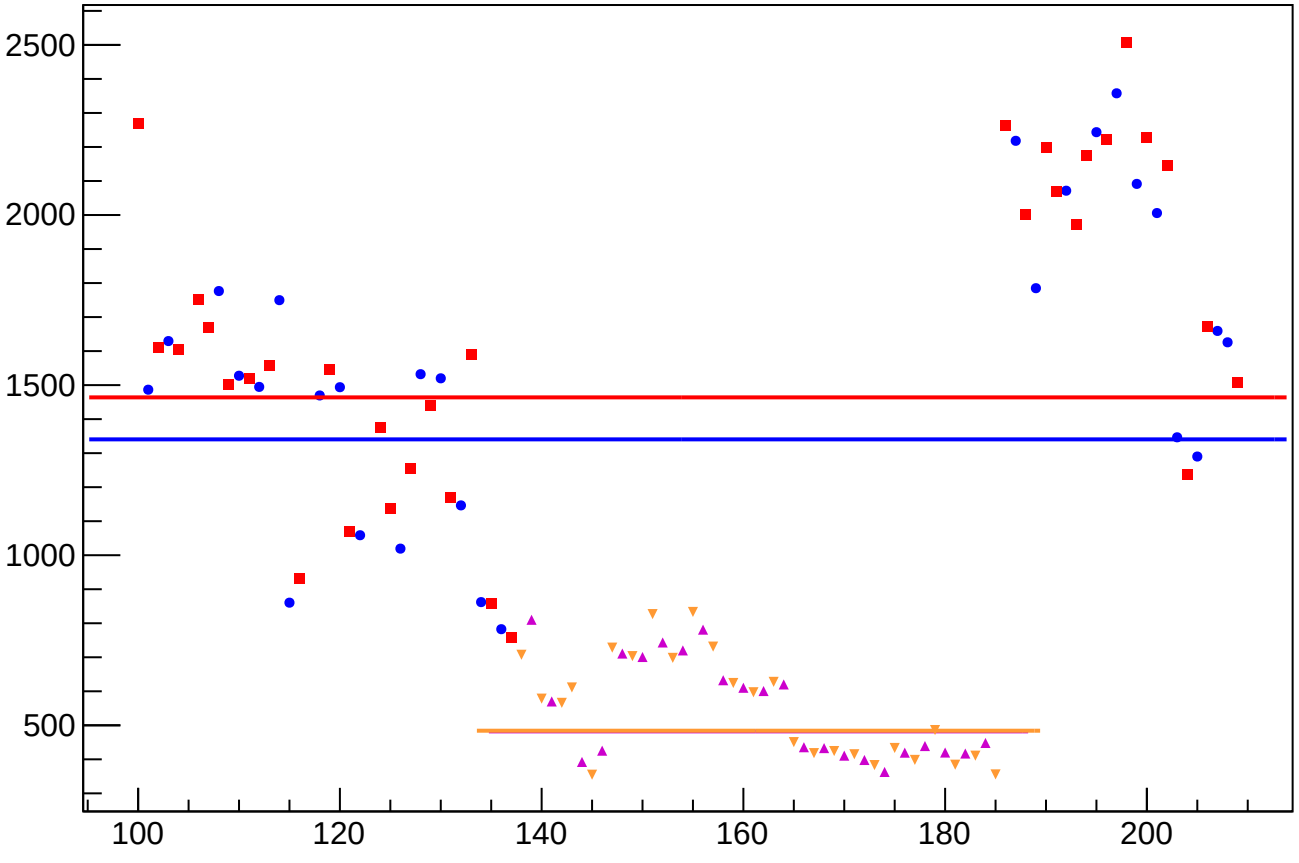
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 514.365+/-108.879 χ^2/NDF: 91.7/51

All: 295.596+/-77.824 χ^2/NDF: 155.4/106

- sign 67.065+/-111.281 χ^2/NDF: 55.4/54

asym_sam_3726_avg_rms vs Slug



Right In: 1340.525+/-0.252 χ^2/NDF: 3030996.1/26

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1463.961+/-0.261 χ^2/NDF: 2955751.2/31

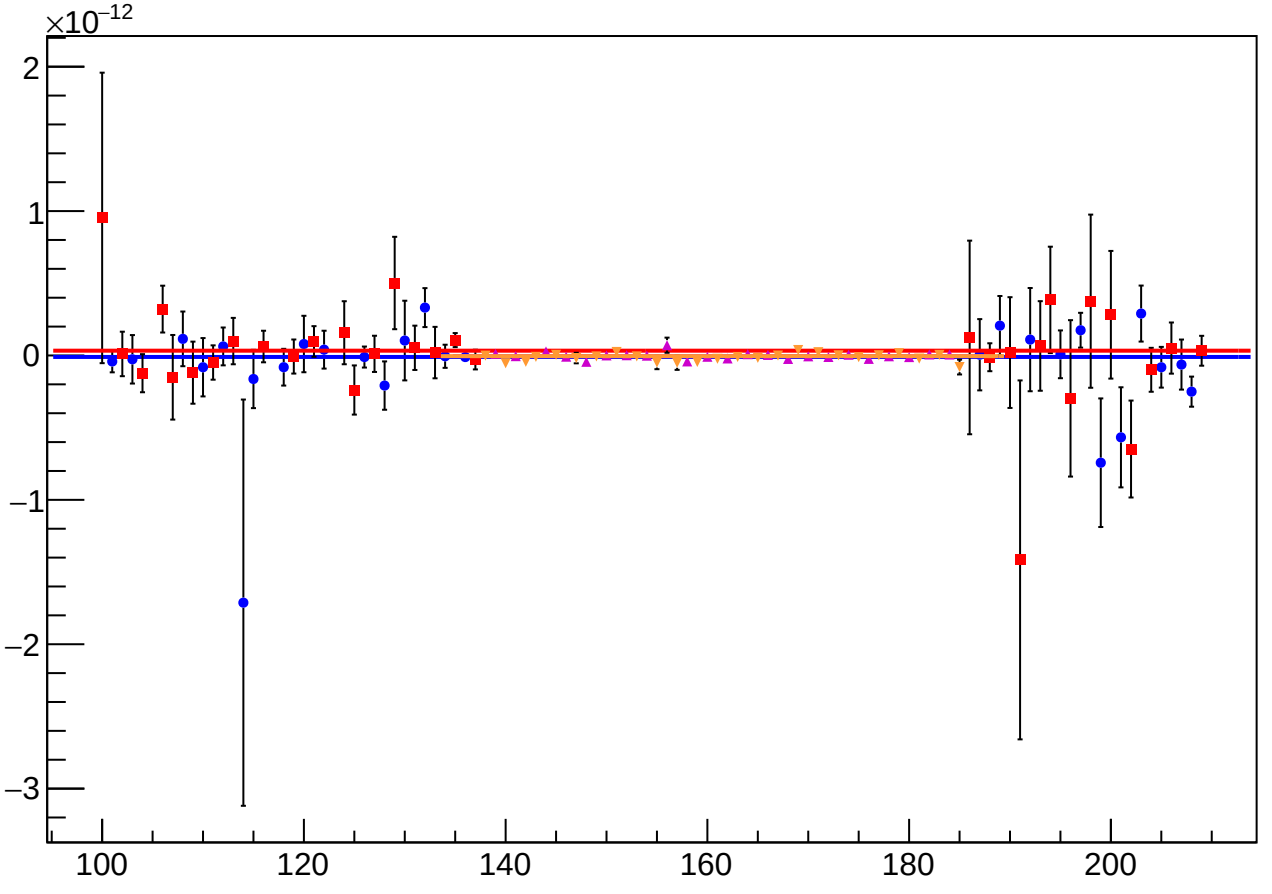
Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 564.136+/-0.077 χ^2/NDF: 16059380.3/51

All: 567.604+/-0.055 χ^2/NDF: 34047804.4/10

- sign 571.228+/-0.079 χ^2/NDF: 17984274.6/54

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

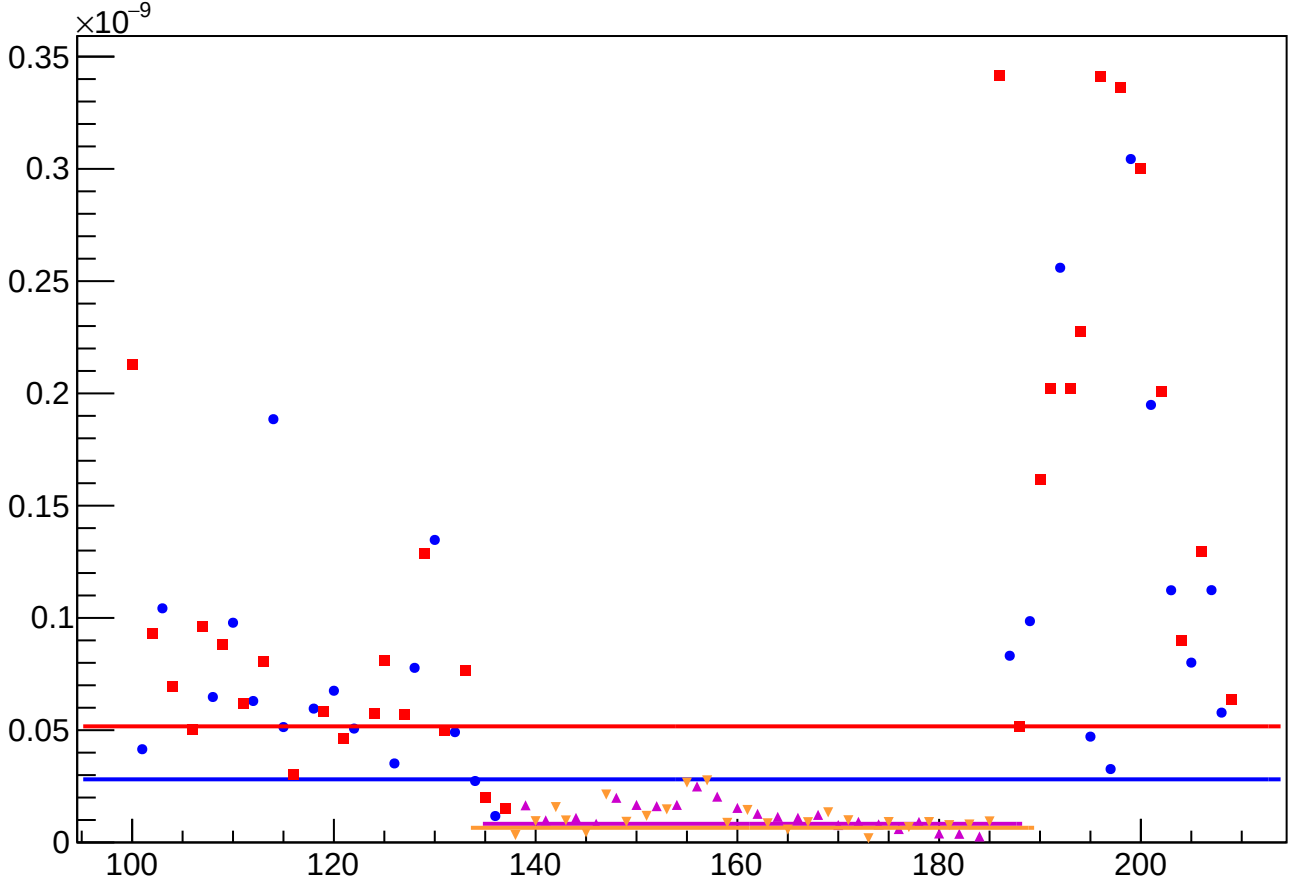
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/31

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/51

All: -0.000+/-0.000 χ^2/NDF: 101.3/106

- sign -0.000+/-0.000 χ^2/NDF: 41.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 6751917.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6218548.3/31

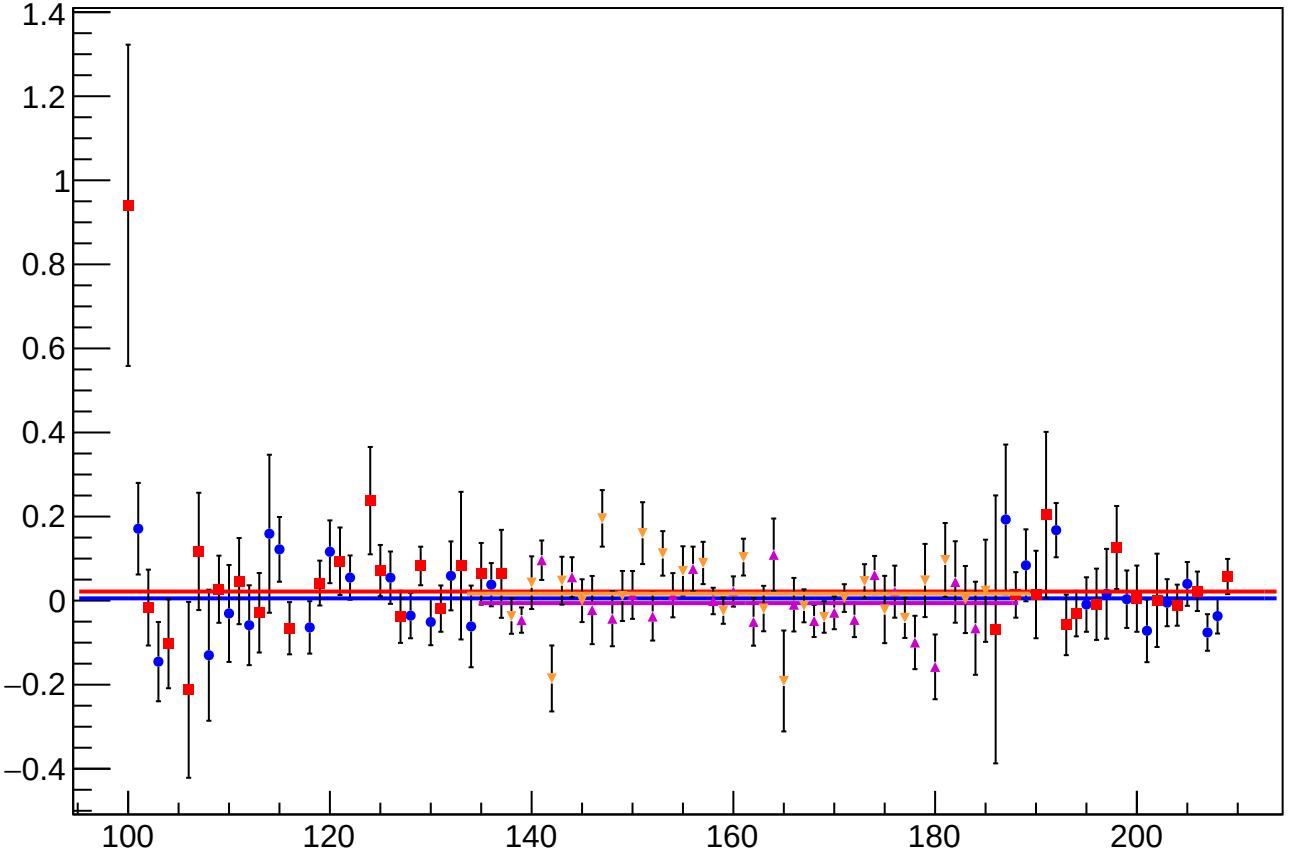
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13805111.0/51

All: 0.000+/-0.000 χ^2/NDF: 29382783.2/106

- sign 0.000+/-0.000 χ^2/NDF: 15230488.1/54

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.022+/-0.013 χ^2/NDF: 25.3/31

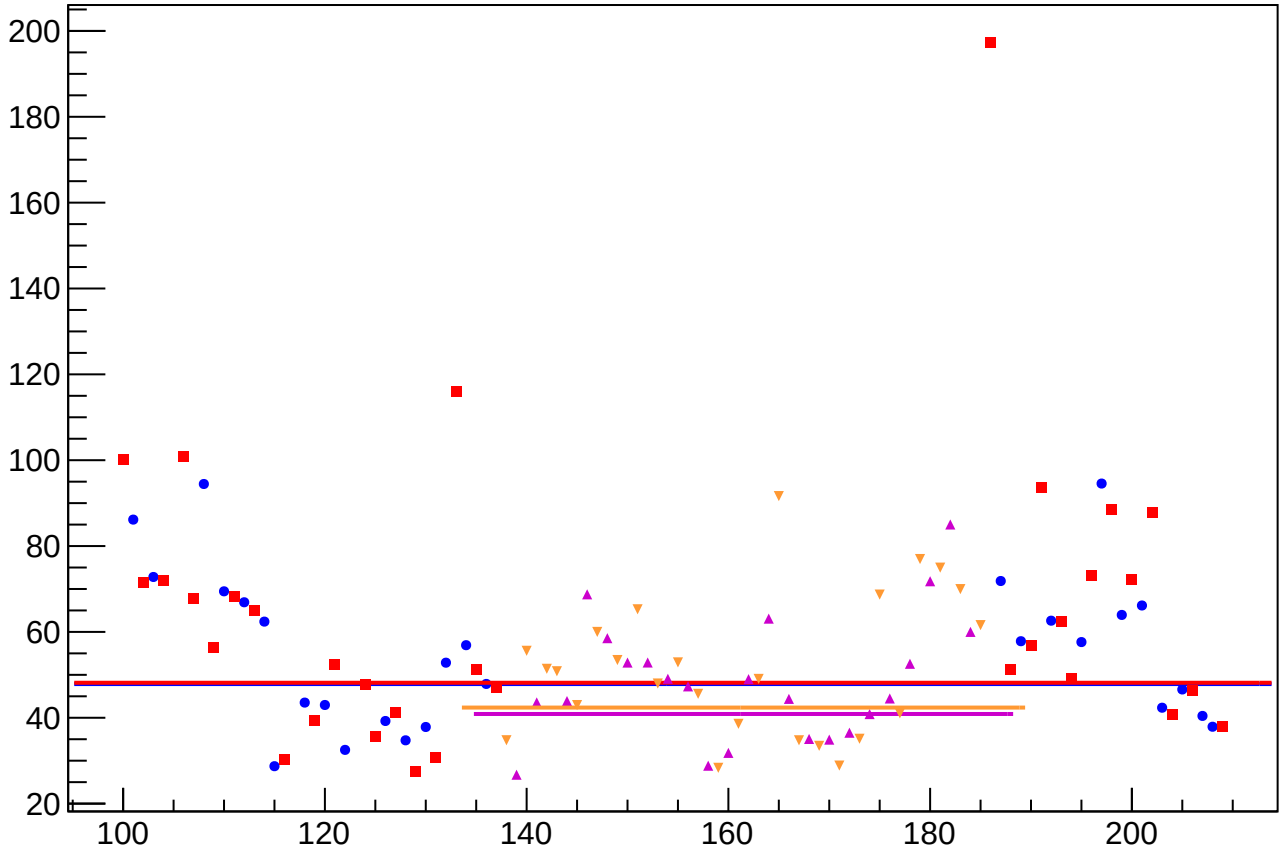
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 127.4/106

- sign 0.005+/-0.008 χ^2/NDF: 54.1/54

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

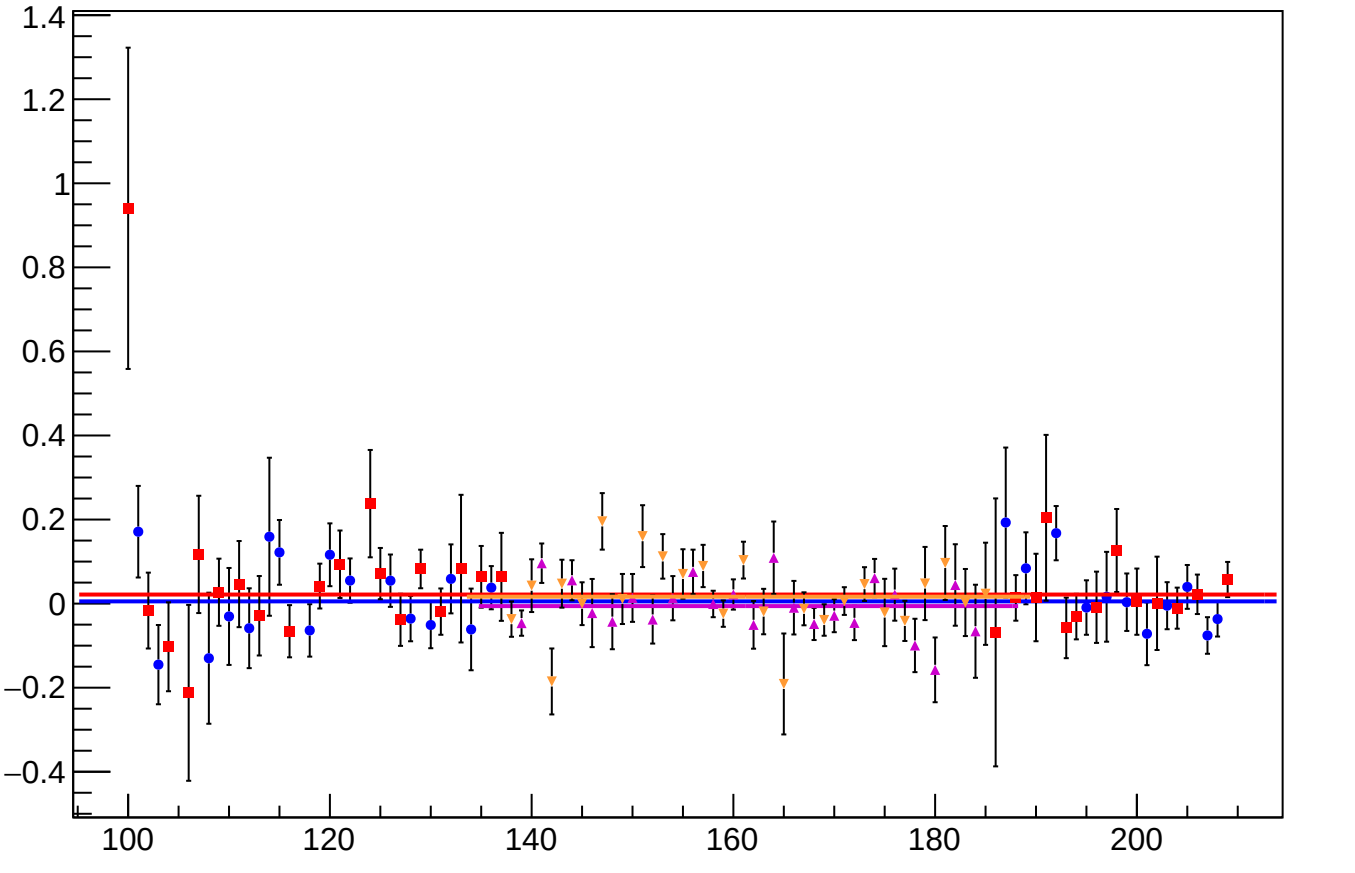
Right Out: 48.154+/-0.009 χ^2/NDF: 3602331.1/31

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713759.8/51

All: 44.104+/-0.004 χ^2/NDF: 12394326.8/106

- sign 43.720+/-0.006 χ^2/NDF: 6671330.9/54



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

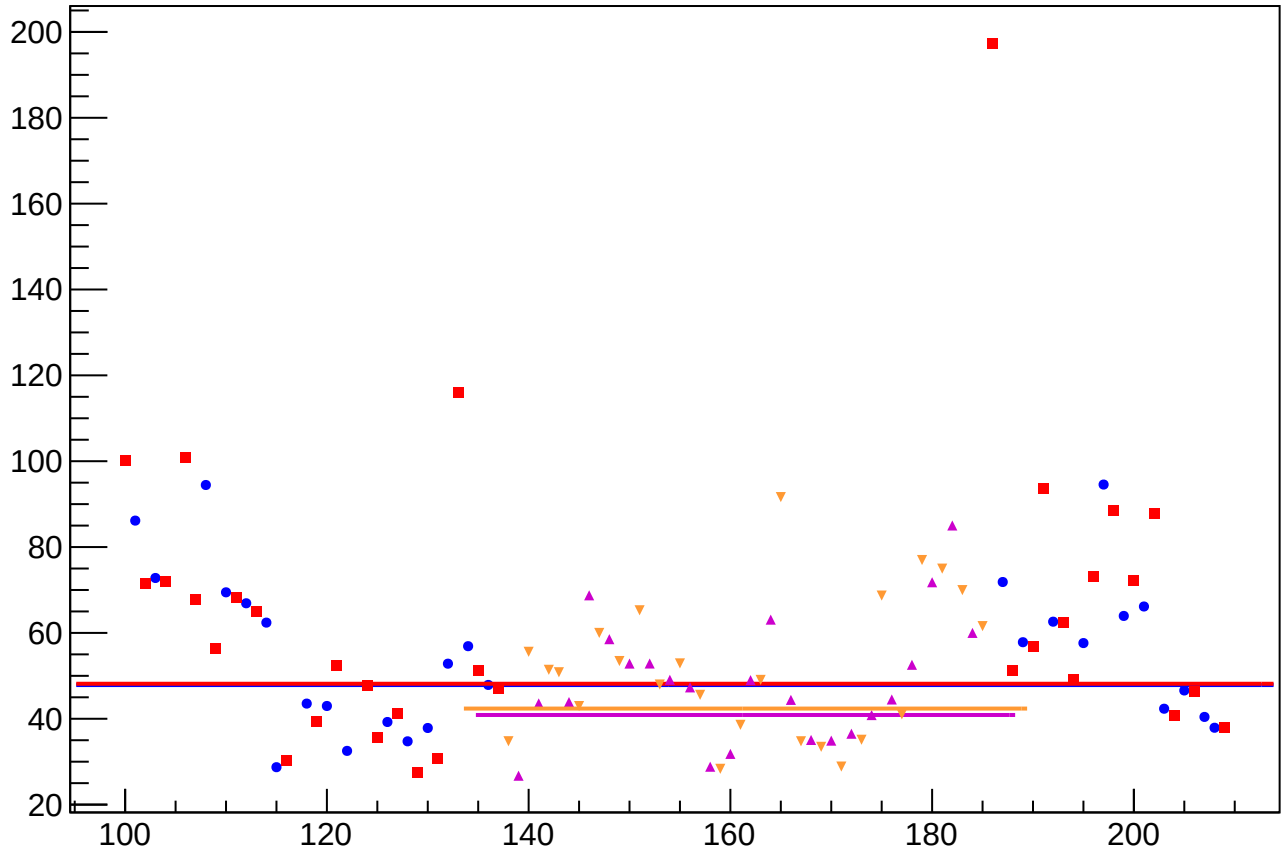
Right Out: 0.022+/-0.013 χ^2/NDF: 25.3/31

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 127.4/106

- sign 0.005+/-0.008 χ^2/NDF: 54.1/54



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

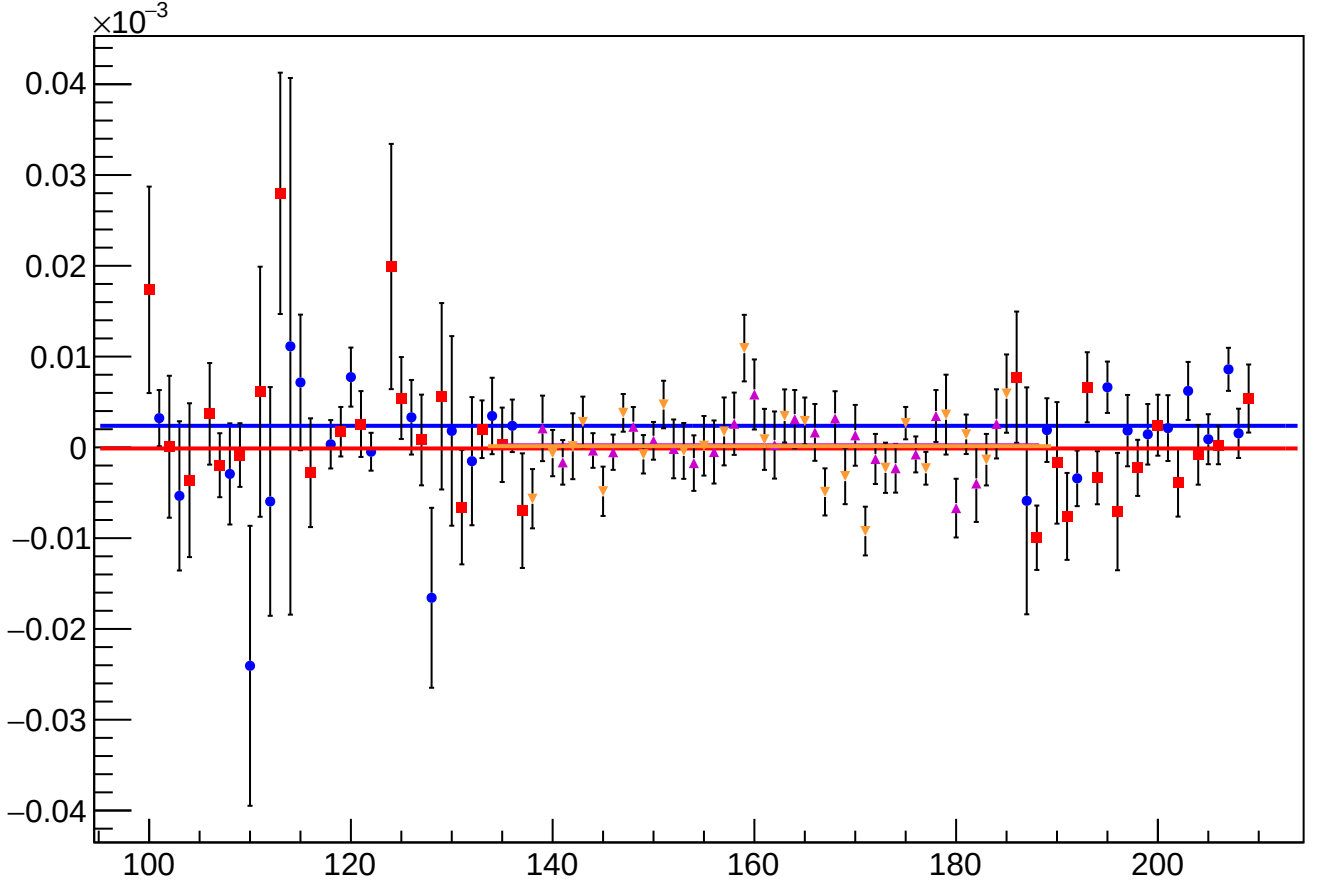
Right Out: 48.154+/-0.009 χ^2/NDF: 3602331.1/31

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713759.8/51

All: 44.104+/-0.004 χ^2/NDF: 12394326.8/106

- sign 43.720+/-0.006 χ^2/NDF: 6671330.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

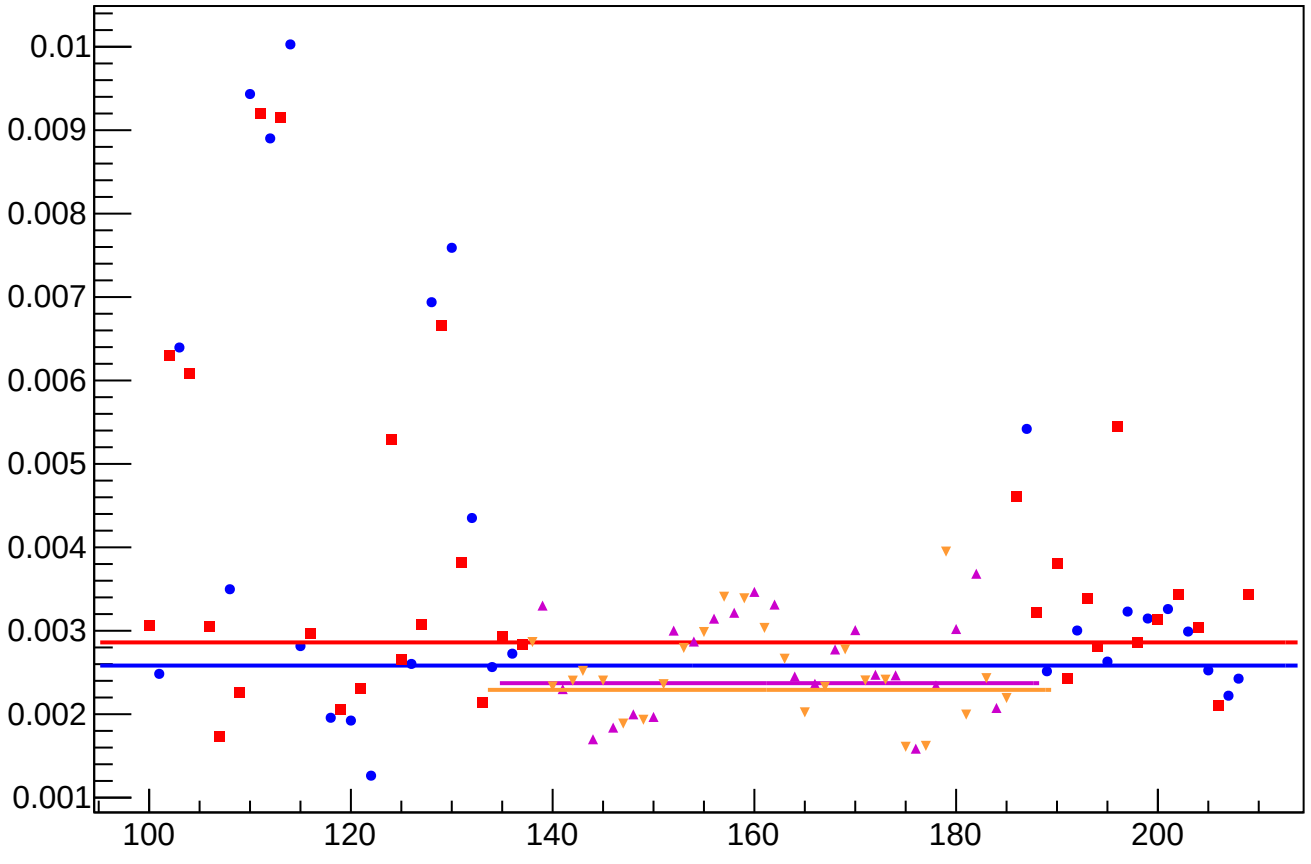
Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/31

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.4/51

All: 0.000+/-0.000 χ^2/NDF: 141.4/106

- sign 0.000+/-0.000 χ^2/NDF: 53.0/54



Right In: 0.003+/-0.000 χ^2/NDF: 3893479.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

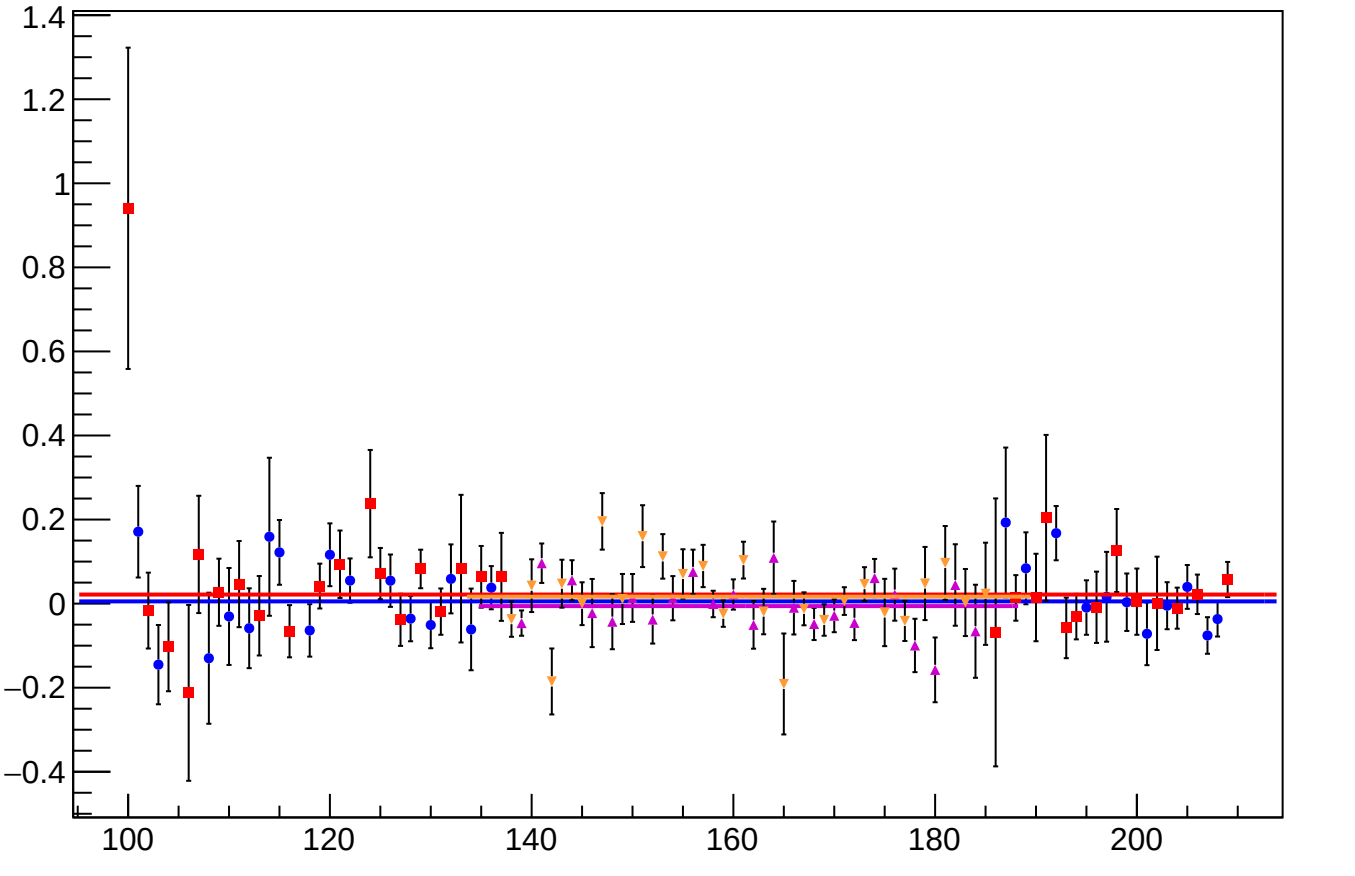
Right Out: 0.003+/-0.000 χ^2/NDF: 3457185.6/31

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5928651.8/51

All: 0.002+/-0.000 χ^2/NDF: 12075710.8/106

- sign 0.003+/-0.000 χ^2/NDF: 6019019.1/54



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

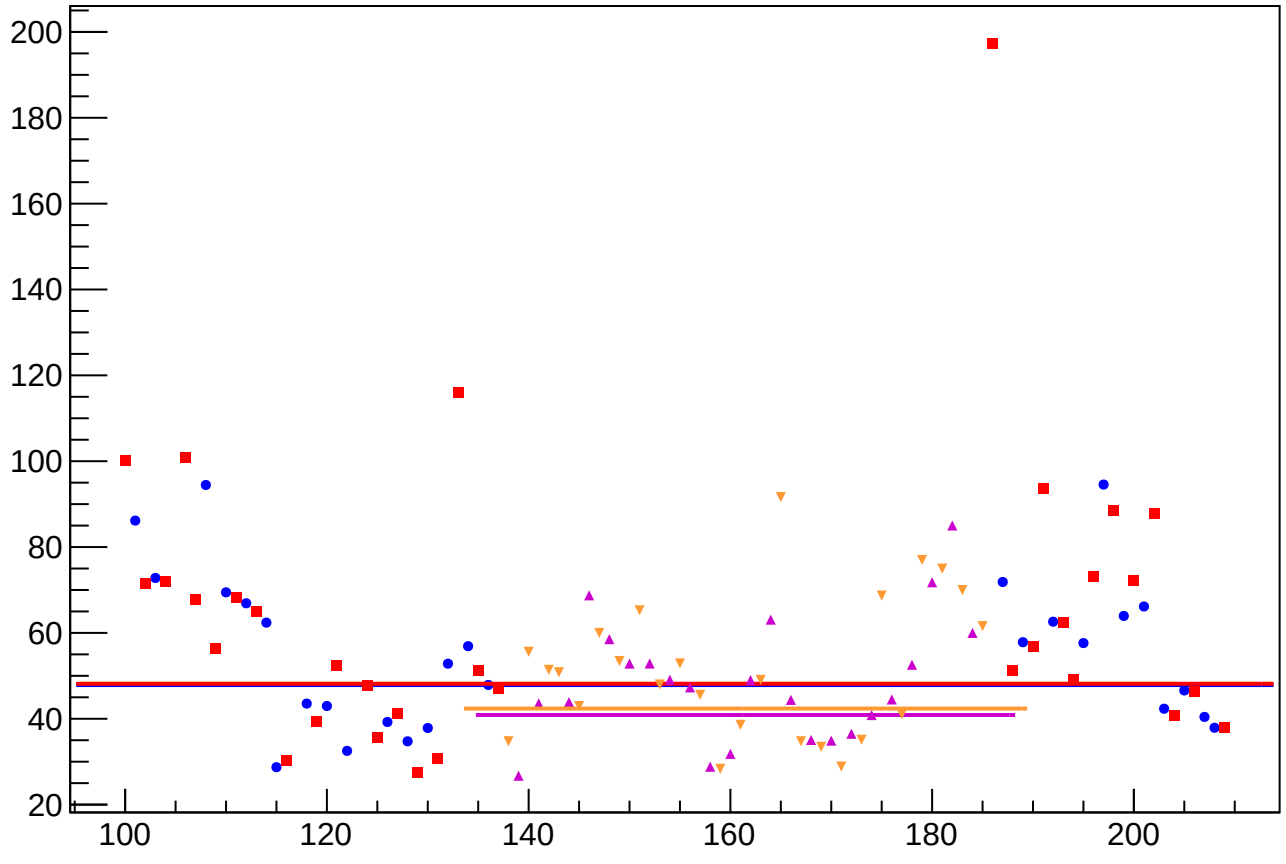
Right Out: 0.022+/-0.013 χ^2/NDF: 25.3/31

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 127.4/106

- sign 0.005+/-0.008 χ^2/NDF: 54.1/54



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

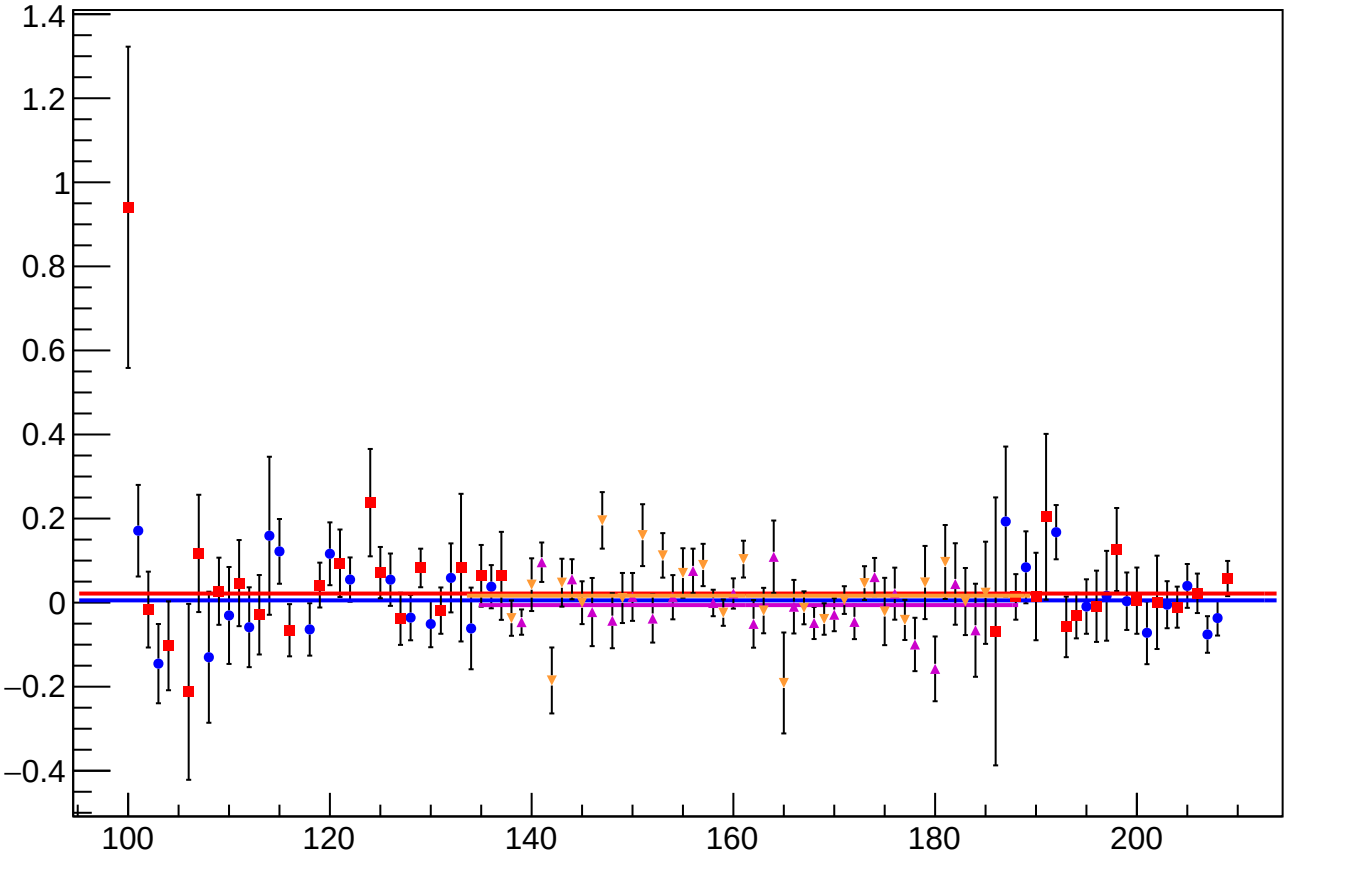
Right Out: 48.154+/-0.009 χ^2/NDF: 3602243.5/31

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713718.6/51

All: 44.104+/-0.004 χ^2/NDF: 12394190.7/106

- sign 43.720+/-0.006 χ^2/NDF: 6671239.1/54



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.022+/-0.013 χ^2/NDF: 25.3/31

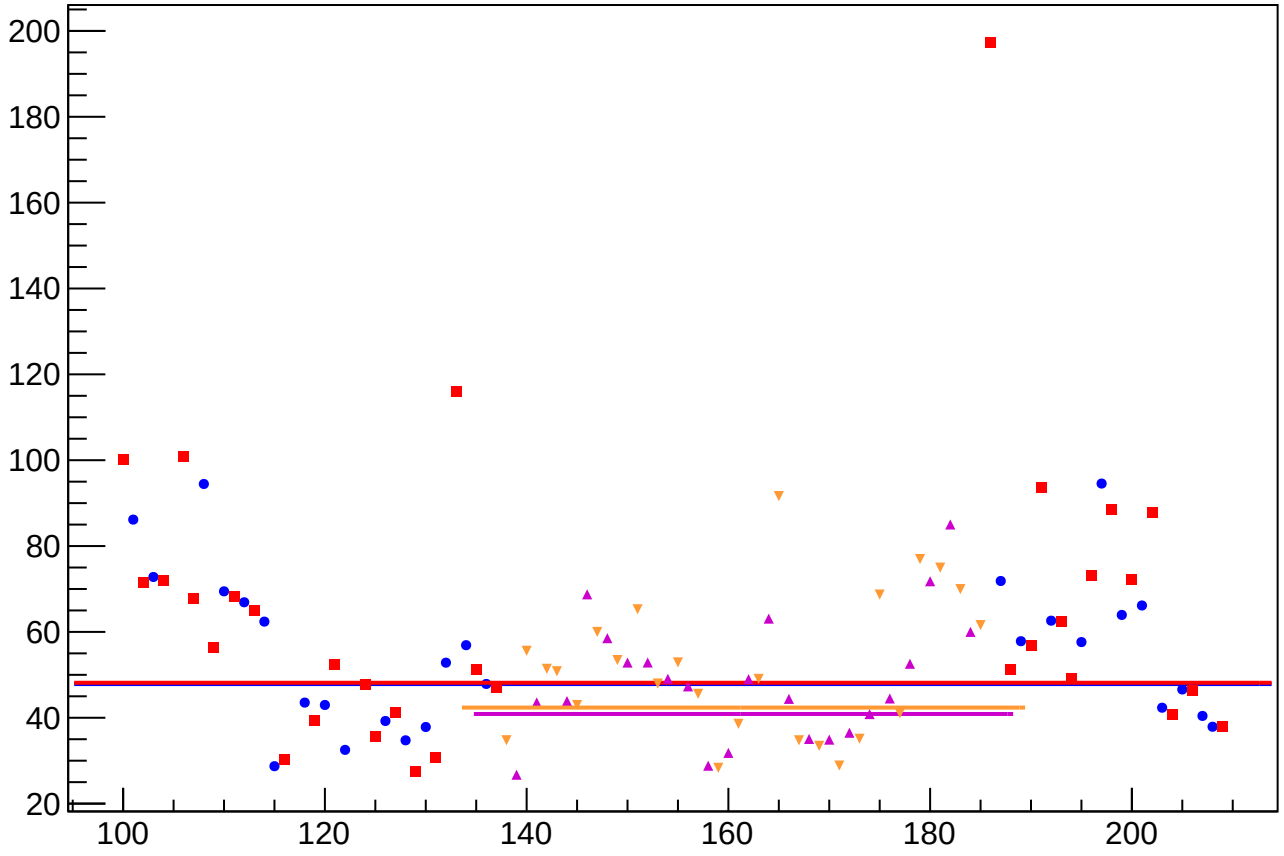
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.012+/-0.008 χ^2/NDF: 72.9/51

All: 0.008+/-0.006 χ^2/NDF: 127.4/106

- sign 0.005+/-0.008 χ^2/NDF: 54.1/54

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

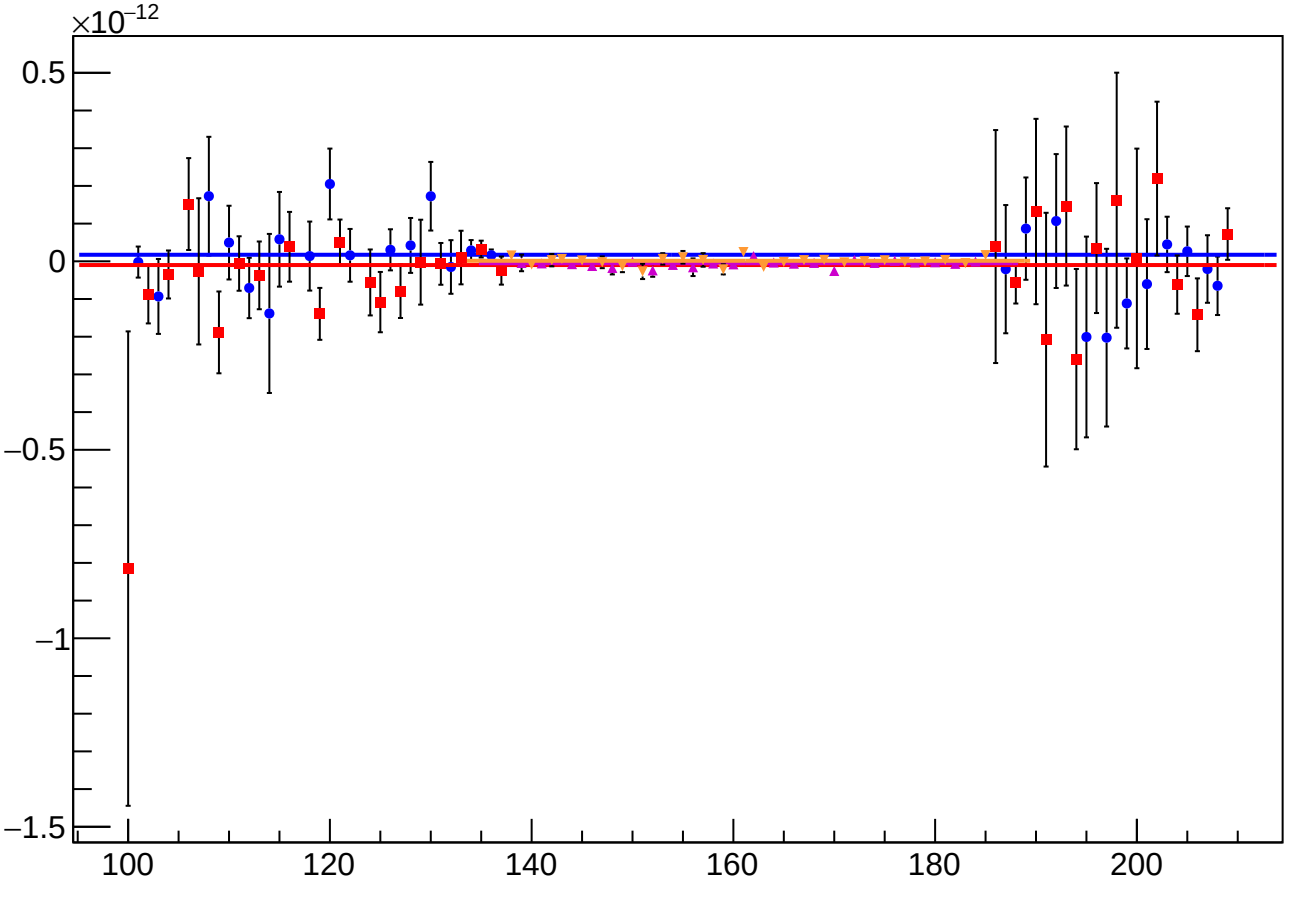
Right Out: 48.154+/-0.009 χ^2/NDF: 3602243.5/31

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.495+/-0.006 χ^2/NDF: 5713718.6/51

All: 44.104+/-0.004 χ^2/NDF: 12394190.7/106

- sign 43.720+/-0.006 χ^2/NDF: 6671239.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

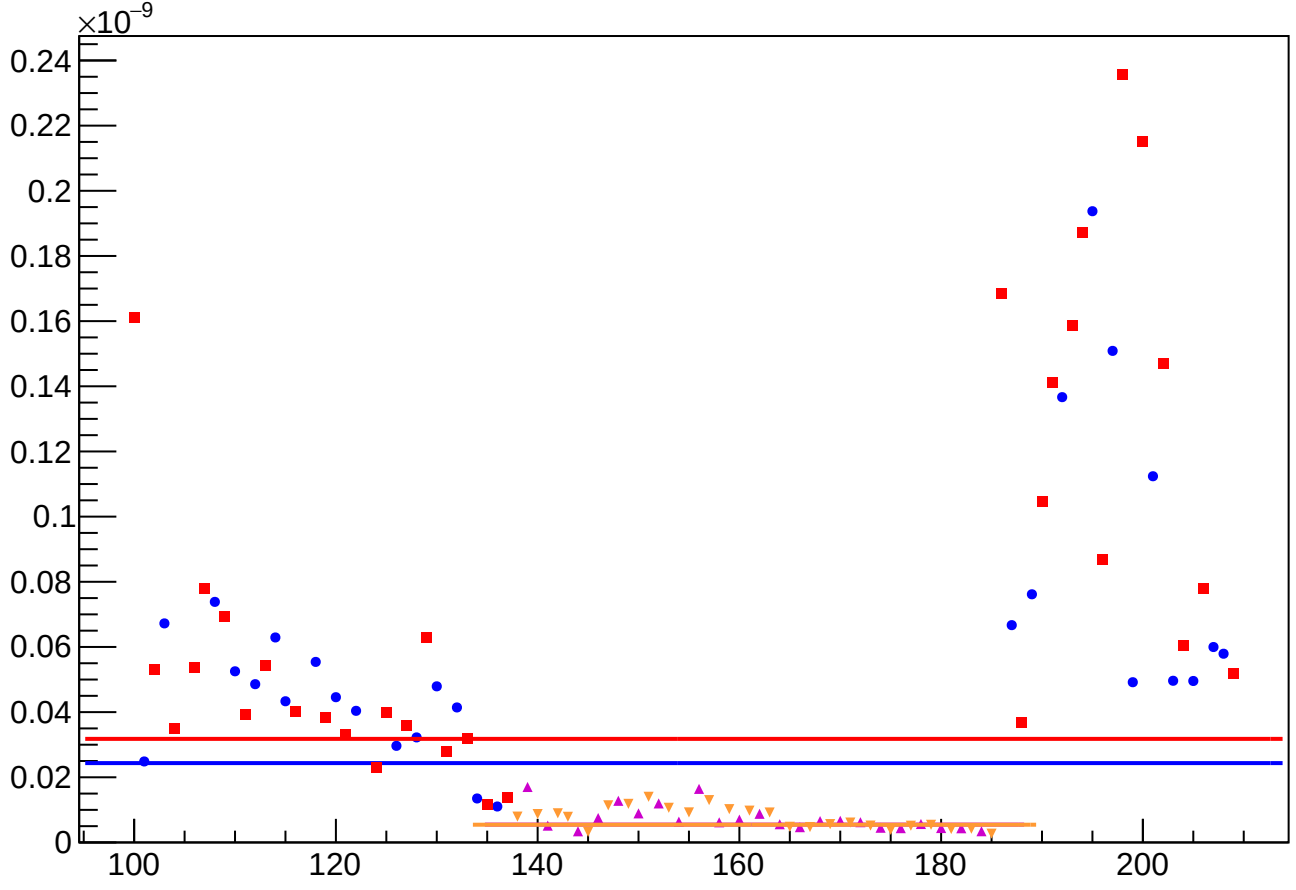
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/31

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.7/51

All: -0.000+/-0.000 χ^2/NDF: 87.4/106

- sign -0.000+/-0.000 χ^2/NDF: 40.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 8029782.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8750523.0/31

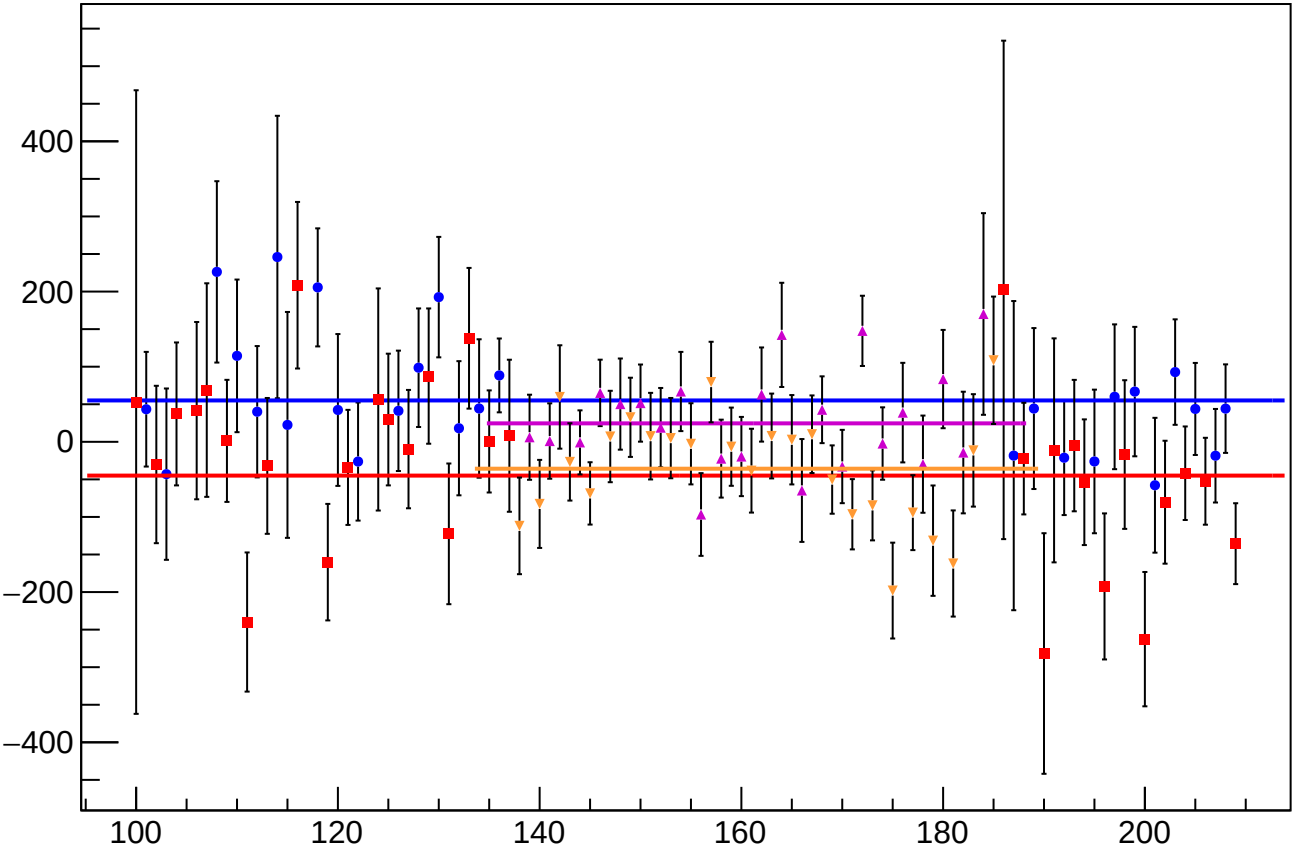
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 18063885.9/51

All: 0.000+/-0.000 χ^2/NDF: 38164715.4/106

- sign 0.000+/-0.000 χ^2/NDF: 20099709.4/54

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 55.074+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -44.963+/-15.670 χ^2/NDF: 37.5/31

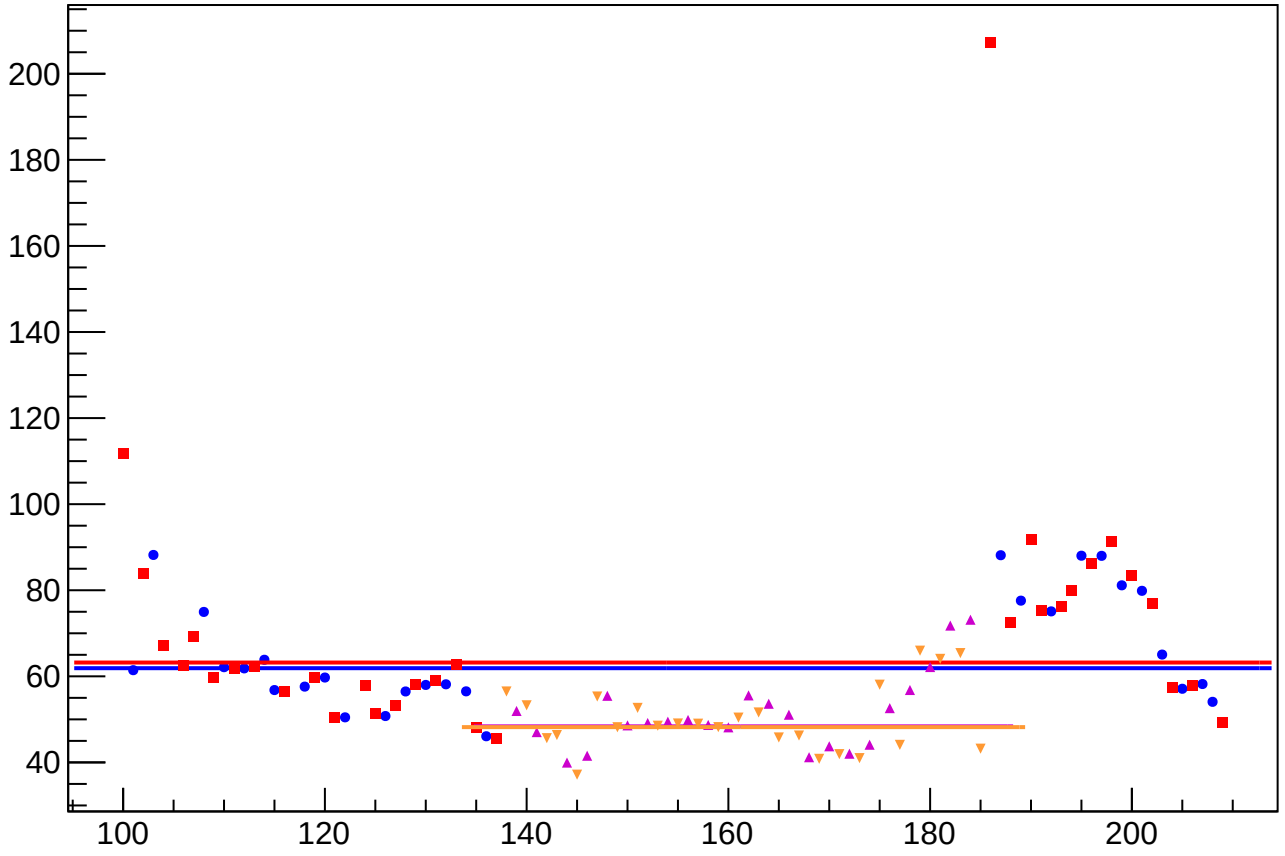
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -6.012+/-9.117 χ^2/NDF: 73.7/51

All: -2.898+/-6.495 χ^2/NDF: 149.9/106

- sign 0.311+/-9.256 χ^2/NDF: 76.0/54

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF: 1121741.5/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.204+/-0.011 χ^2/NDF: 1633967.6/31

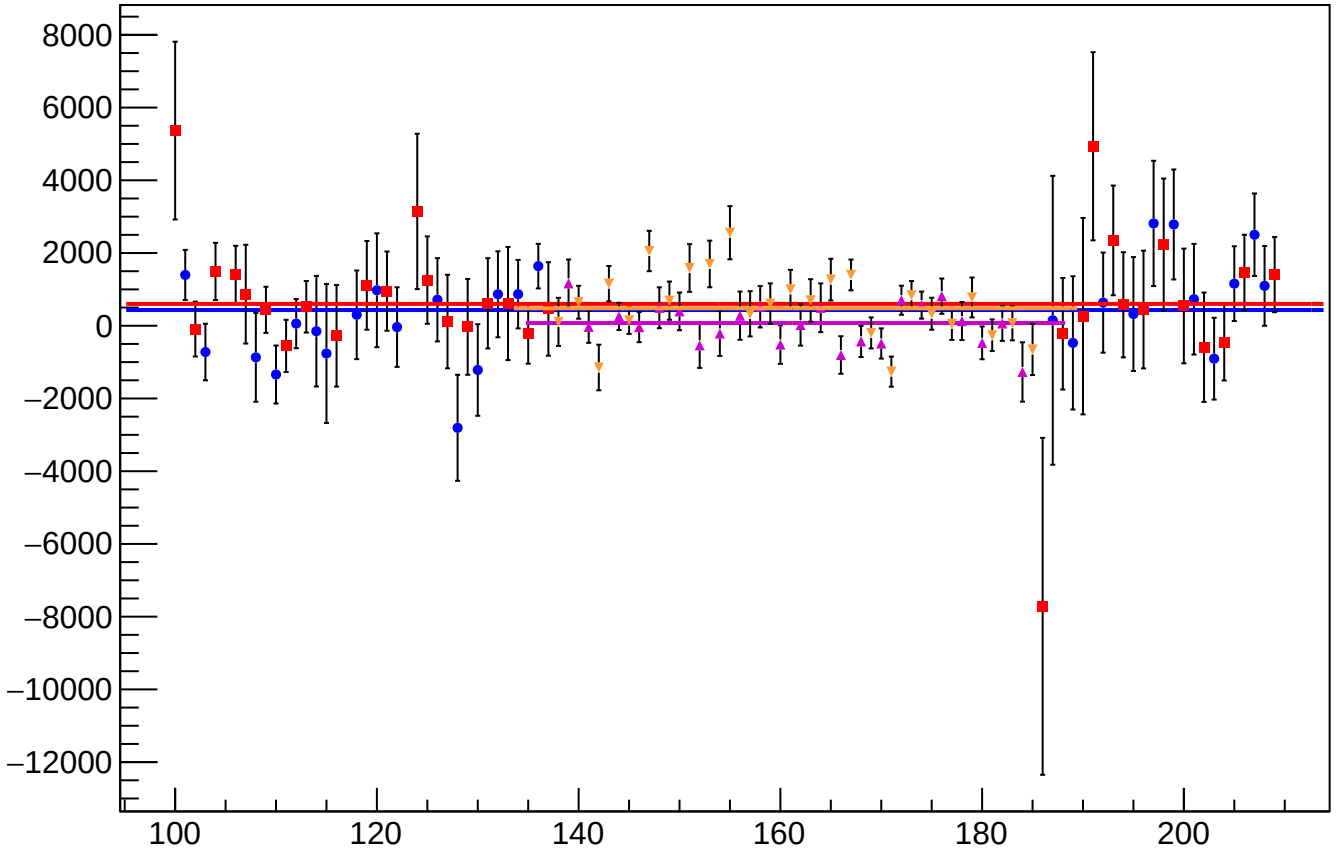
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF: 2895829.5/51

All: 53.112+/-0.005 χ^2/NDF: 6399413.5/106

- sign 53.553+/-0.007 χ^2/NDF: 3494672.1/54

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 432.478+/-208.373 χ^2/NDF: 32.6/26

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 601.261+/-198.620 χ^2/NDF: 24.9/31

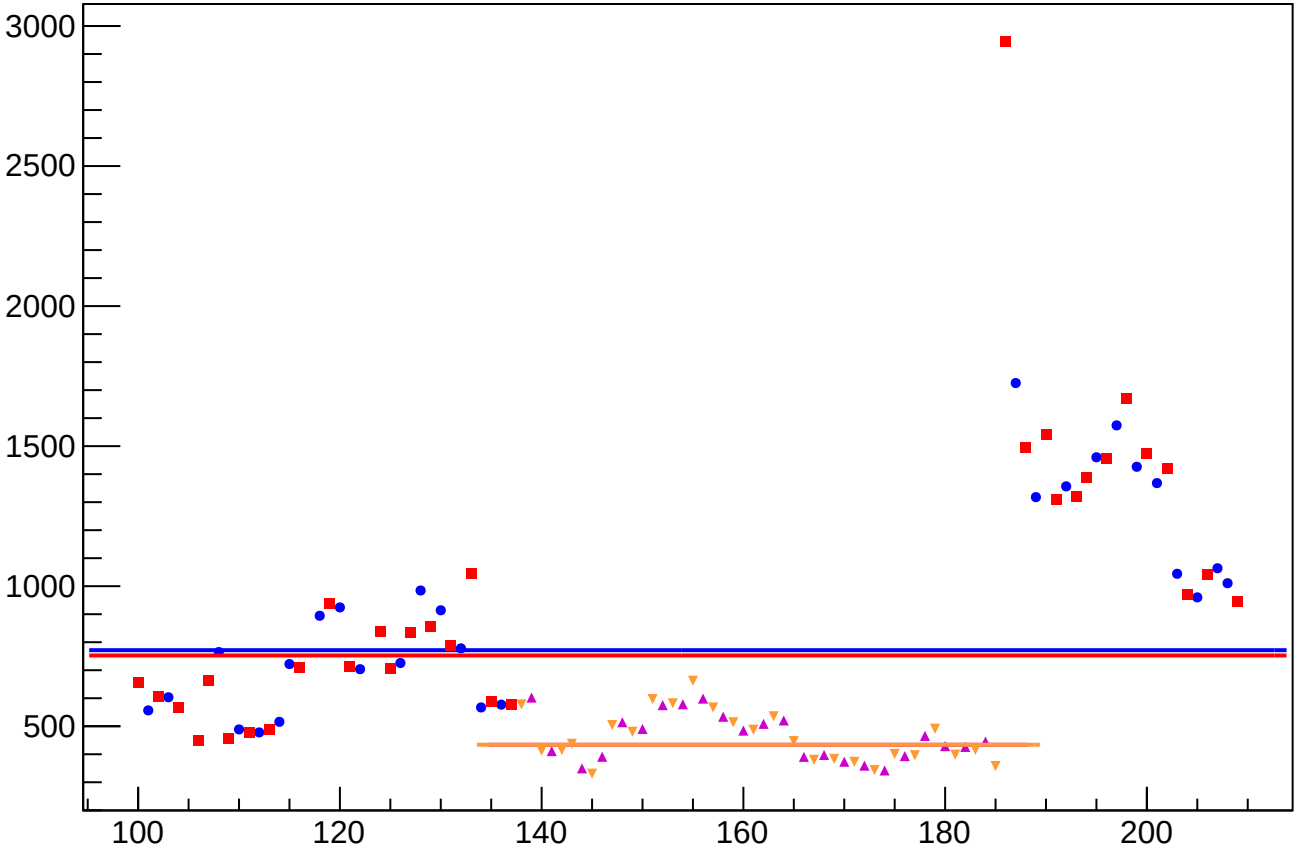
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 471.202+/-90.540 χ^2/NDF: 101.9/51

All: 330.775+/-64.367 χ^2/NDF: 161.6/106

- sign 187.271+/-91.526 χ^2/NDF: 54.9/54

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 771.490+/-0.147 χ^2/NDF: 3960451.2/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 752.607+/-0.140 χ^2/NDF: 5633151.9/31

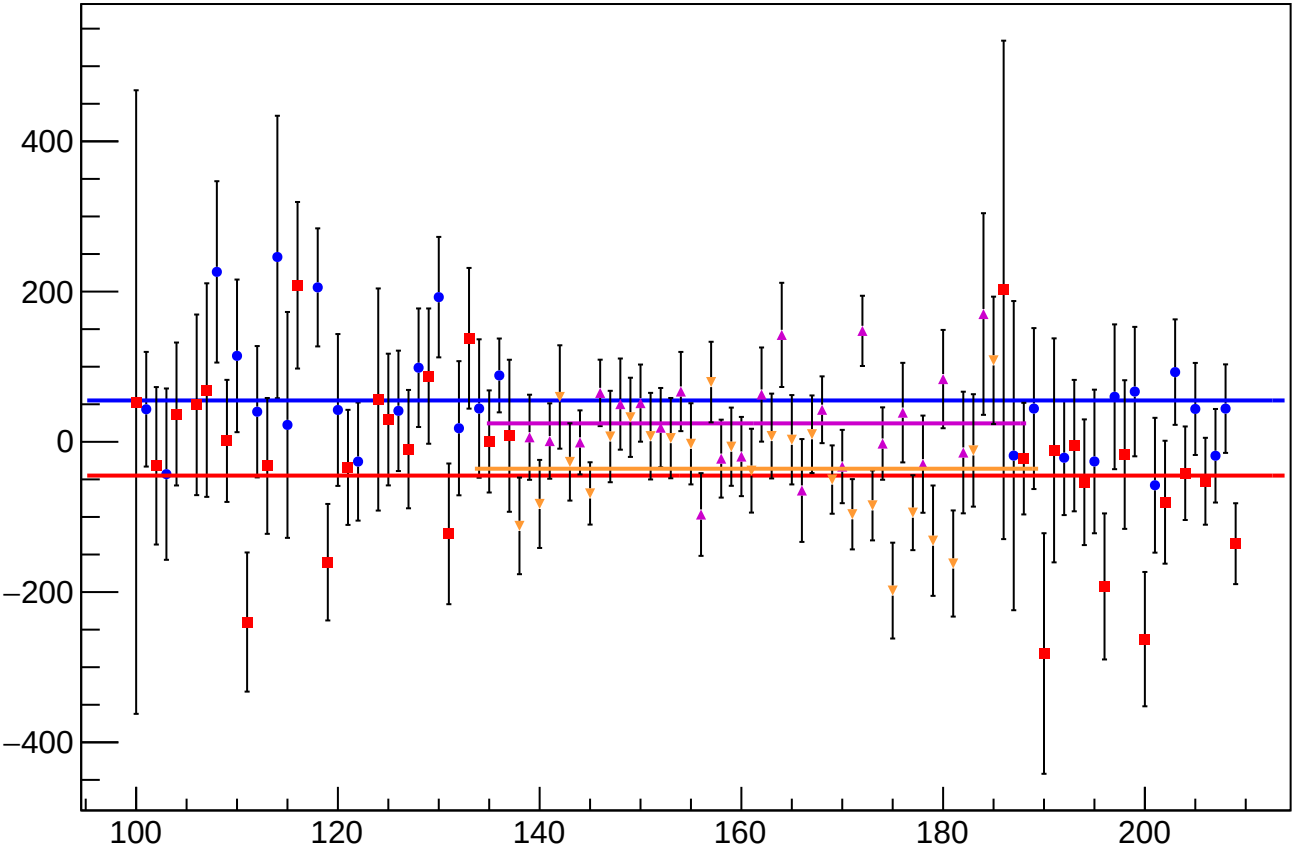
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 497.673+/-0.064 χ^2/NDF: 9461522.1/51

All: 499.534+/-0.046 χ^2/NDF: 20251753.5/10

- sign 501.436+/-0.065 χ^2/NDF: 10788523.3/54

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -44.925+/-15.676 χ^2/NDF: 37.5/31

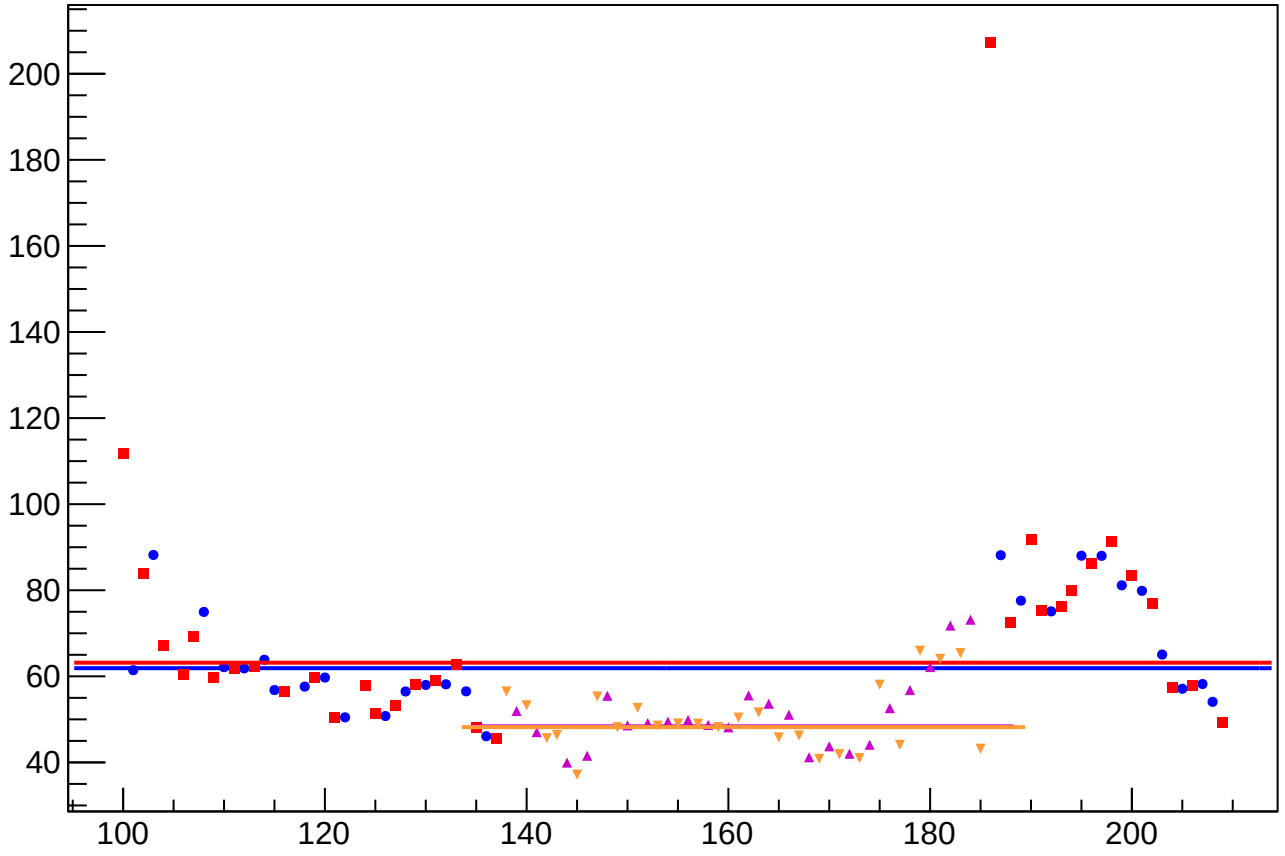
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.014+/-9.117 χ^2/NDF: 73.7/51

All: -2.887+/-6.496 χ^2/NDF: 150.0/106

- sign 0.336+/-9.257 χ^2/NDF: 76.1/54

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

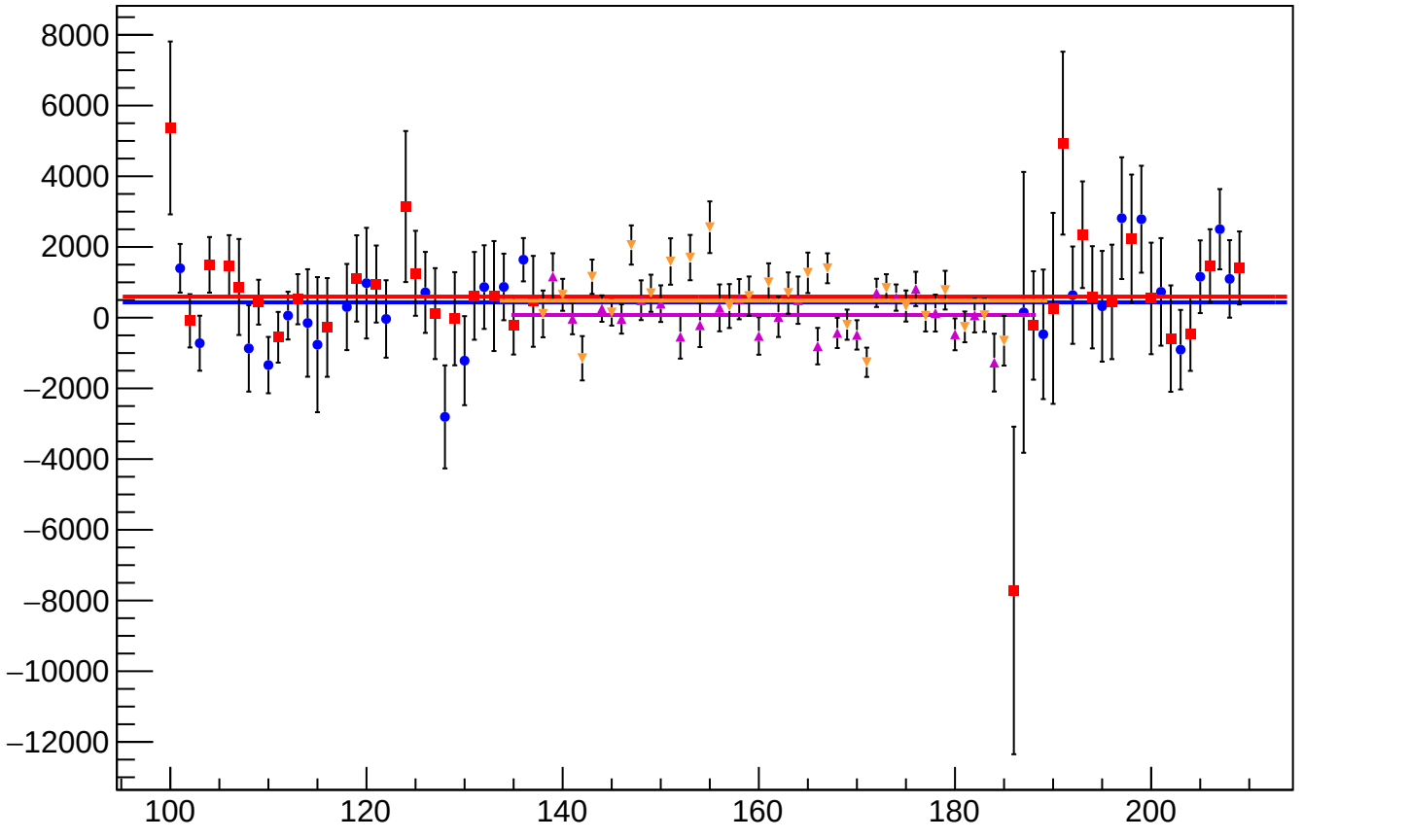
Right Out: 63.171+/-0.011 χ^2/NDF: 1635158.5/31

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF: 2895833.5/51

All: 53.105+/-0.005 χ^2/NDF: 6394511.7/106

- sign 53.539+/-0.007 χ^2/NDF: 3490053.1/54



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 596.770+/-199.627 χ^2/NDF: 24.9/31

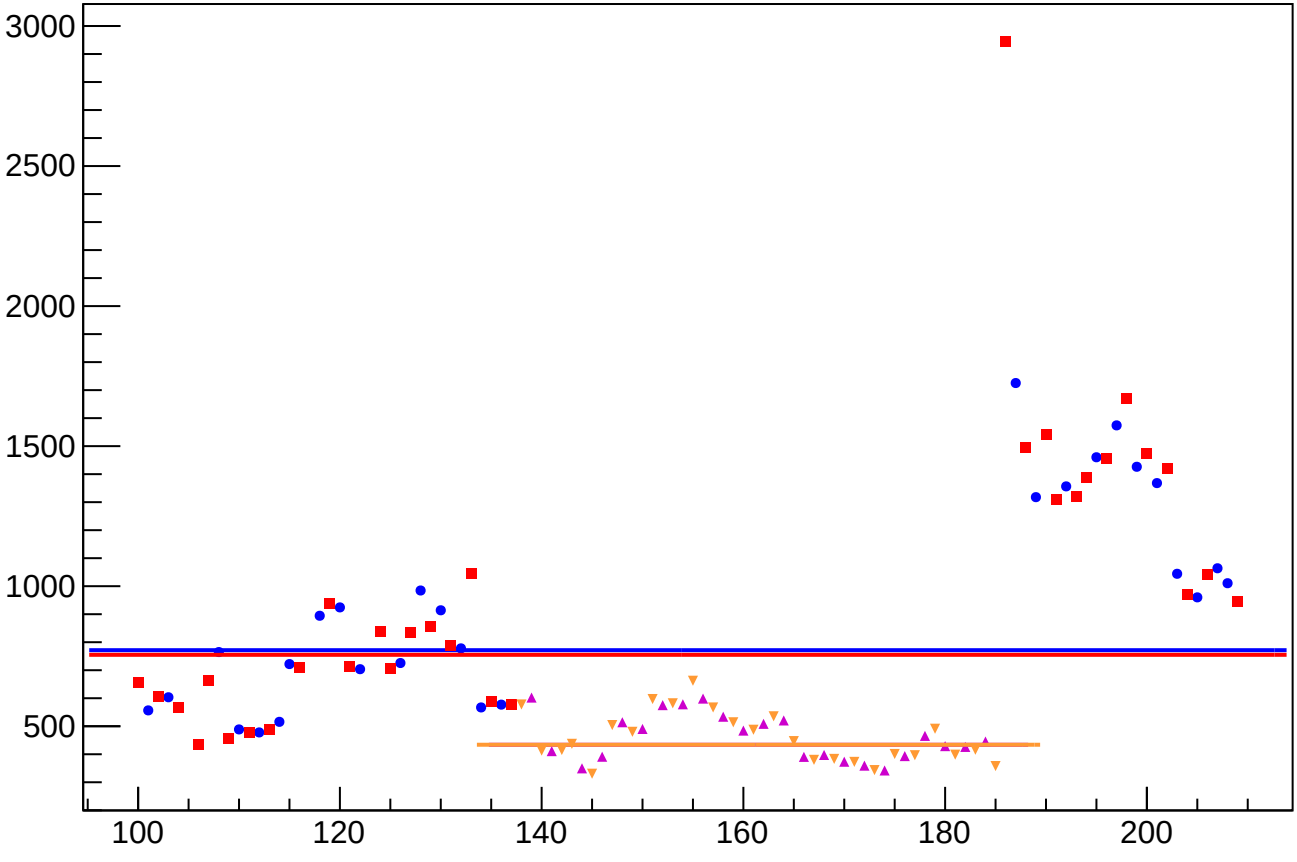
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 471.205+/-90.540 χ^2/NDF: 101.9/51

All: 330.023+/-64.401 χ^2/NDF: 161.5/106

- sign 185.441+/-91.624 χ^2/NDF: 54.7/54

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 755.010+/-0.141 χ^2/NDF: 5607448.6/31

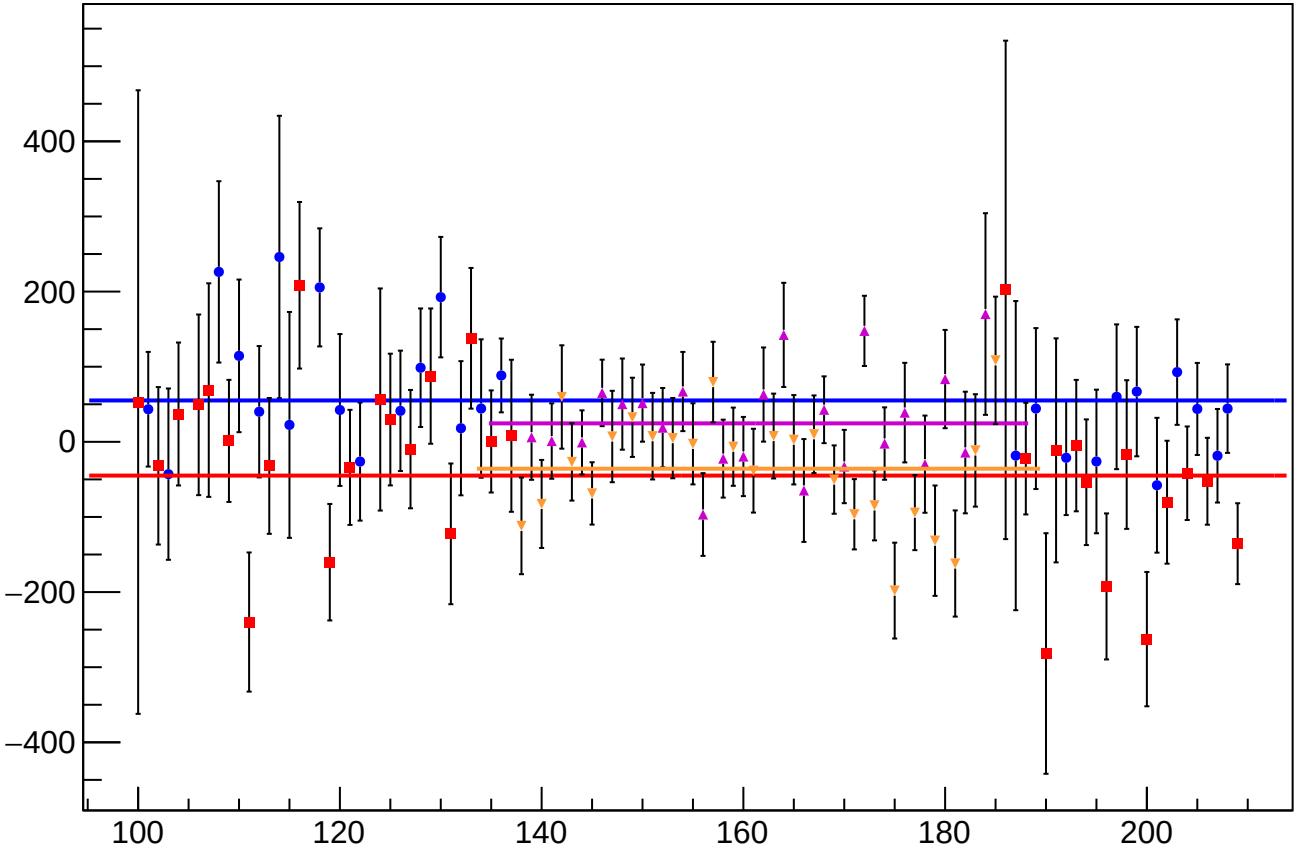
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 497.674+/-0.064 χ^2/NDF: 9461546.0/51

All: 499.517+/-0.046 χ^2/NDF: 20254747.9/10

- sign 501.405+/-0.065 χ^2/NDF: 10791524.2/54

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -44.925+/-15.676 χ^2/NDF: 37.5/31

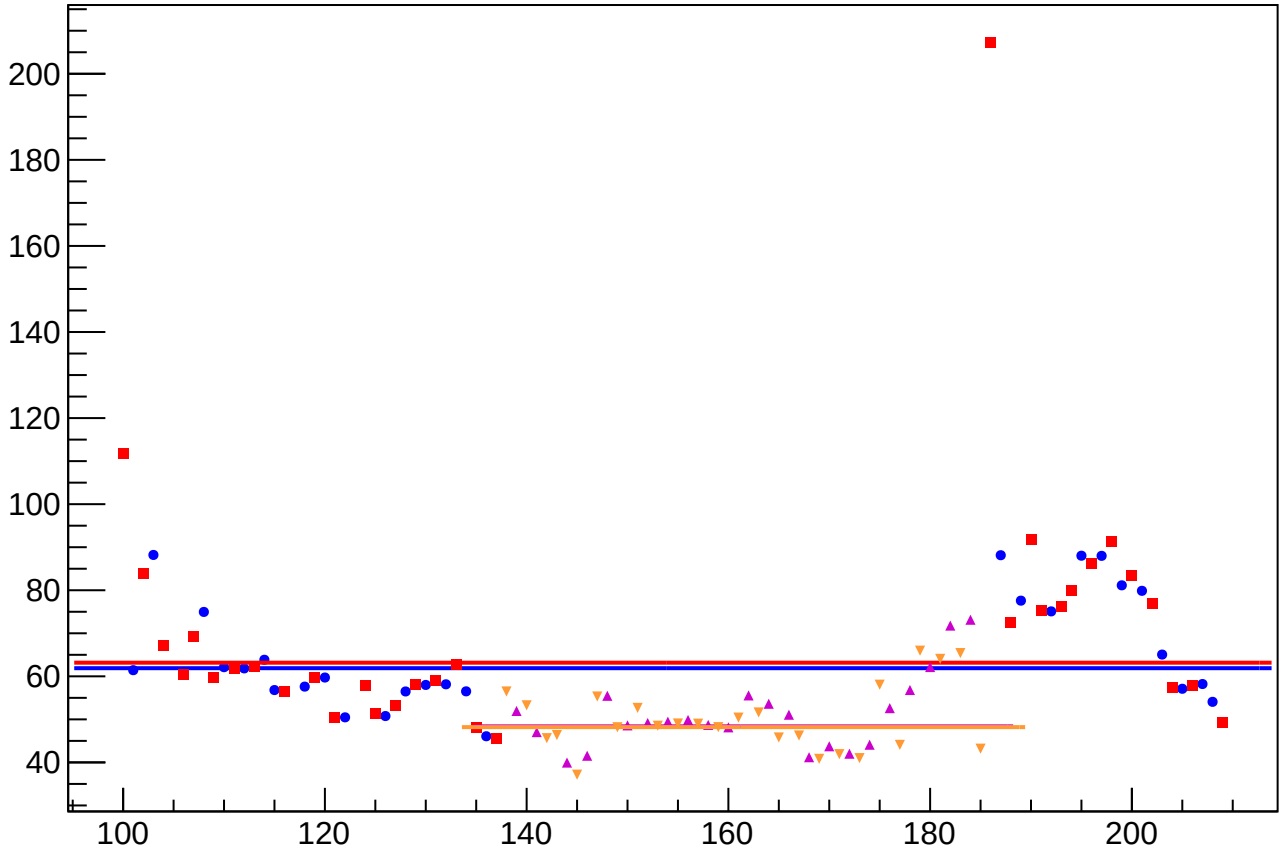
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.014+/-9.117 χ^2/NDF: 73.7/51

All: -2.887+/-6.496 χ^2/NDF: 150.0/106

- sign 0.336+/-9.257 χ^2/NDF: 76.1/54

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

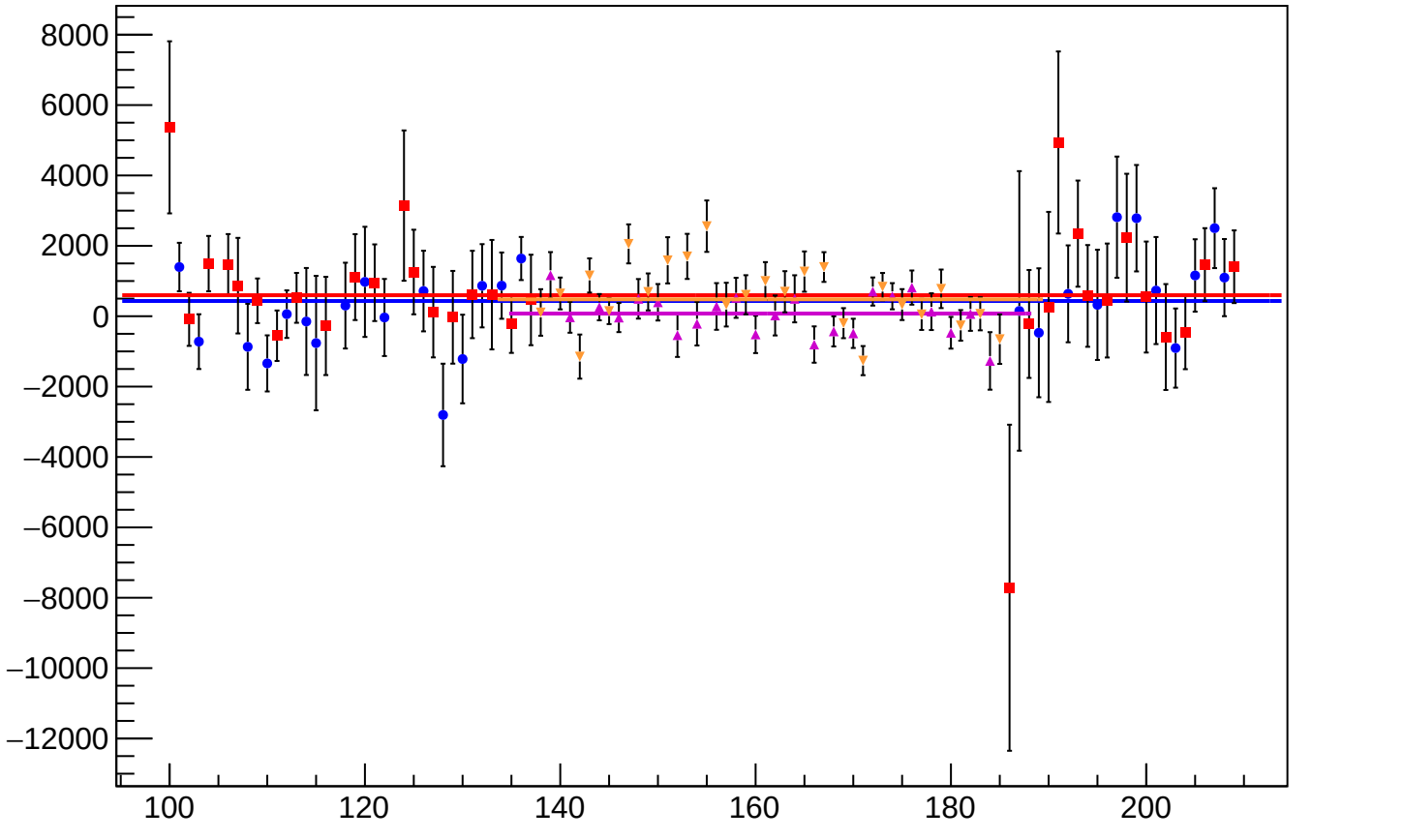
Right Out: 63.171+/-0.011 χ^2/NDF: 1635158.5/31

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.685+/-0.006 χ^2/NDF: 2895833.5/51

All: 53.105+/-0.005 χ^2/NDF: 6394511.7/106

- sign 53.539+/-0.007 χ^2/NDF: 3490053.1/54



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 596.770+/-199.627 χ^2/NDF: 24.9/31

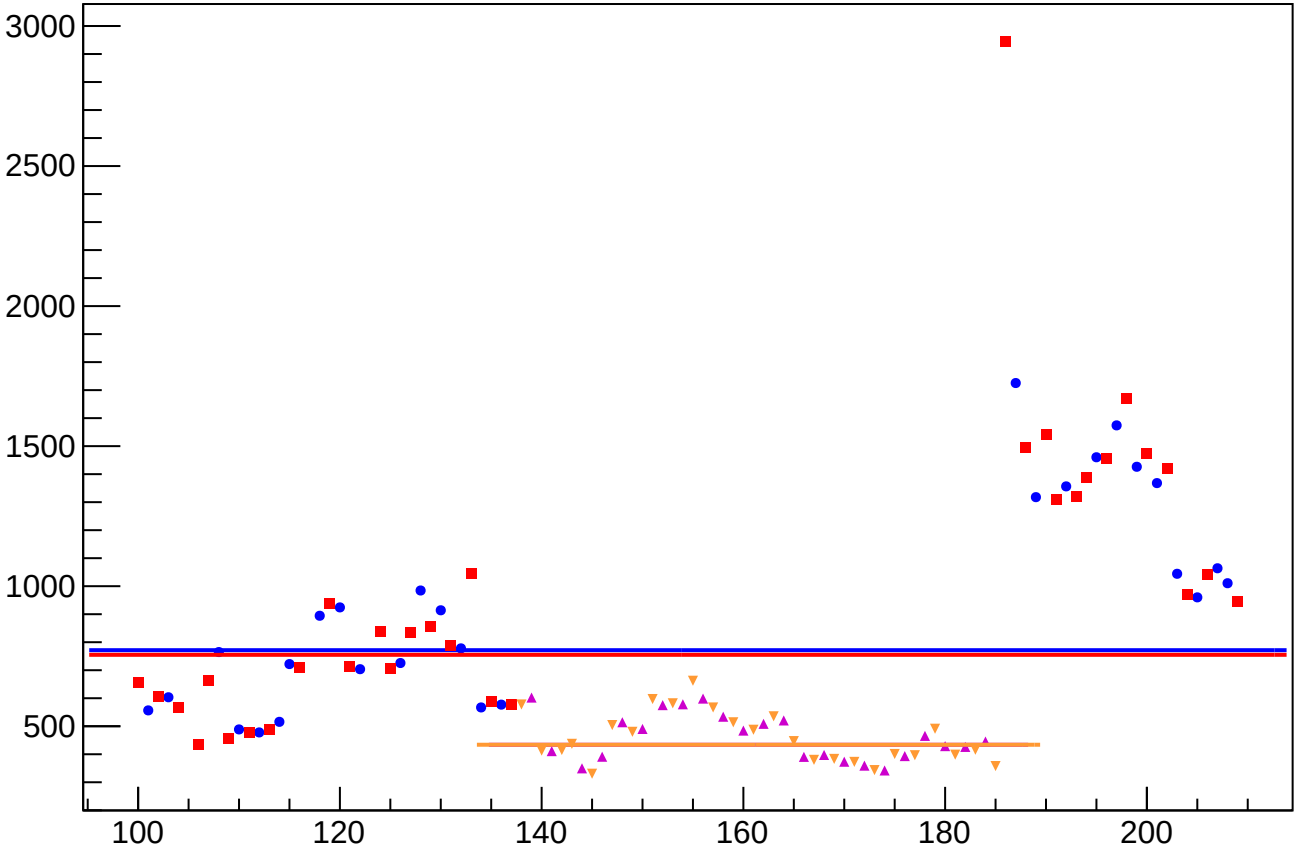
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 471.205+/-90.540 χ^2/NDF: 101.9/51

All: 330.023+/-64.401 χ^2/NDF: 161.5/106

- sign 185.441+/-91.624 χ^2/NDF: 54.7/54

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 755.010+/-0.141 χ^2/NDF: 5607448.6/31

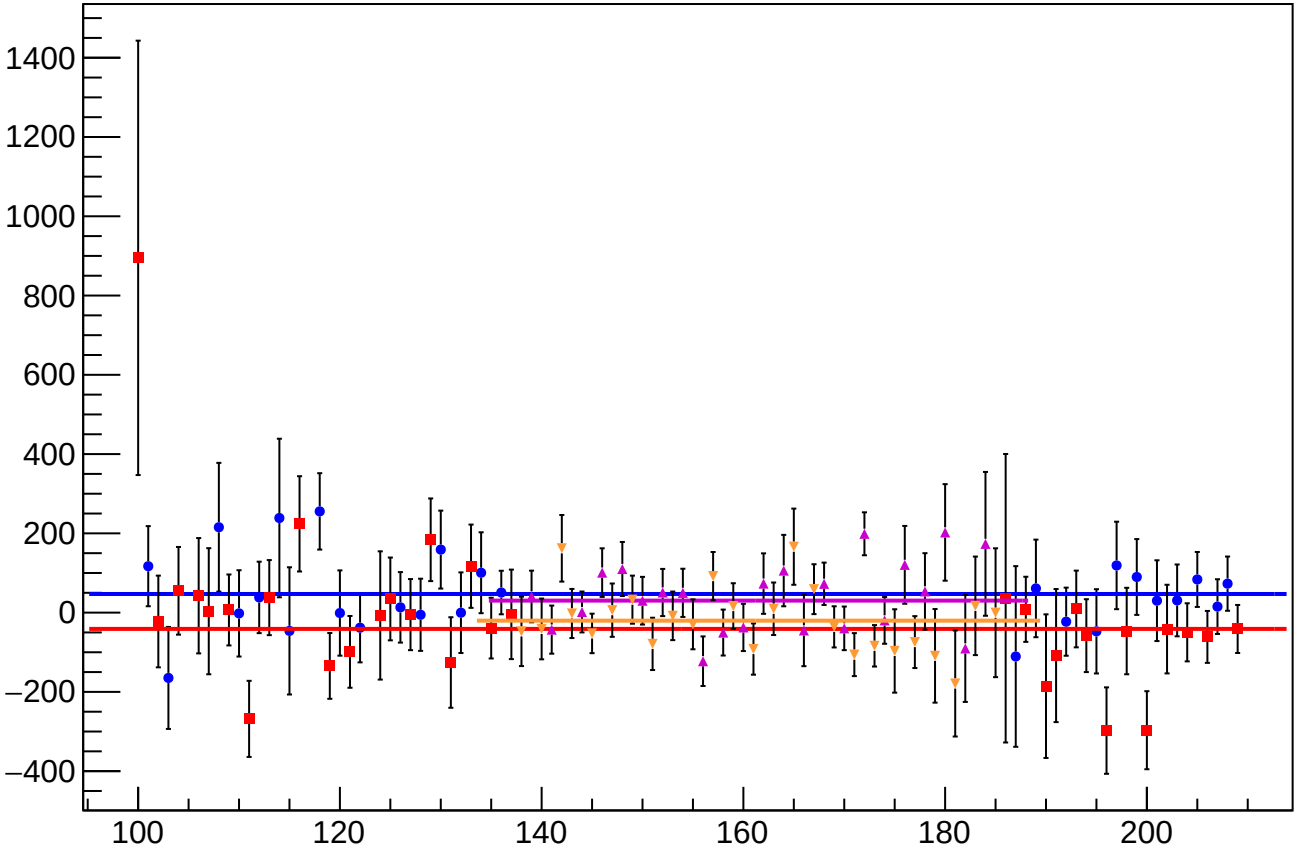
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 497.674+/-0.064 χ^2/NDF: 9461546.0/51

All: 499.517+/-0.046 χ^2/NDF: 20254747.9/10

- sign 501.405+/-0.065 χ^2/NDF: 10791524.2/54

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.017+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -41.055+/-17.734 χ^2/NDF: 39.4/31

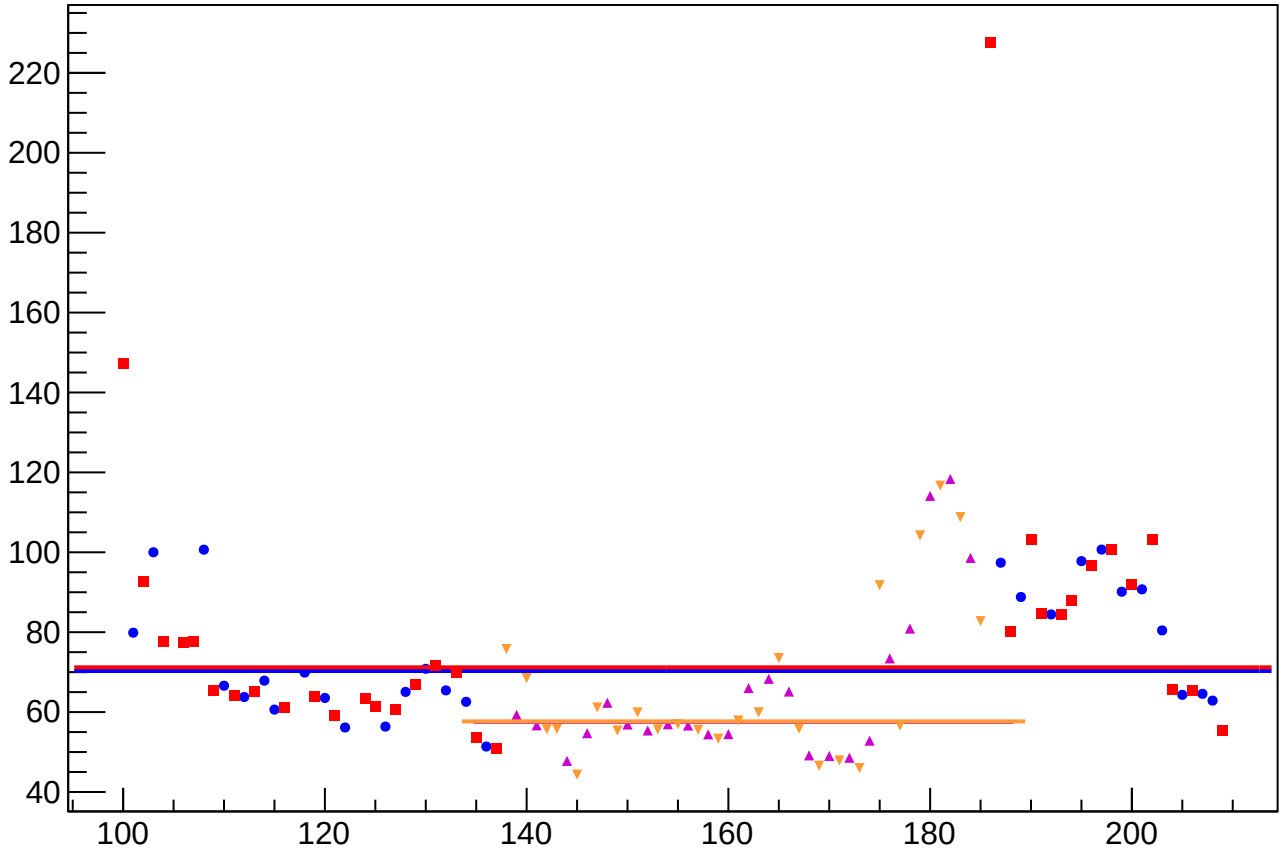
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 3.913+/-10.914 χ^2/NDF: 51.0/51

All: 3.442+/-7.740 χ^2/NDF: 133.0/106

- sign 2.966+/-10.978 χ^2/NDF: 82.0/54

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.284+/-0.013 χ^2/NDF: 1240841.0/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.204+/-0.013 χ^2/NDF: 1677974.0/31

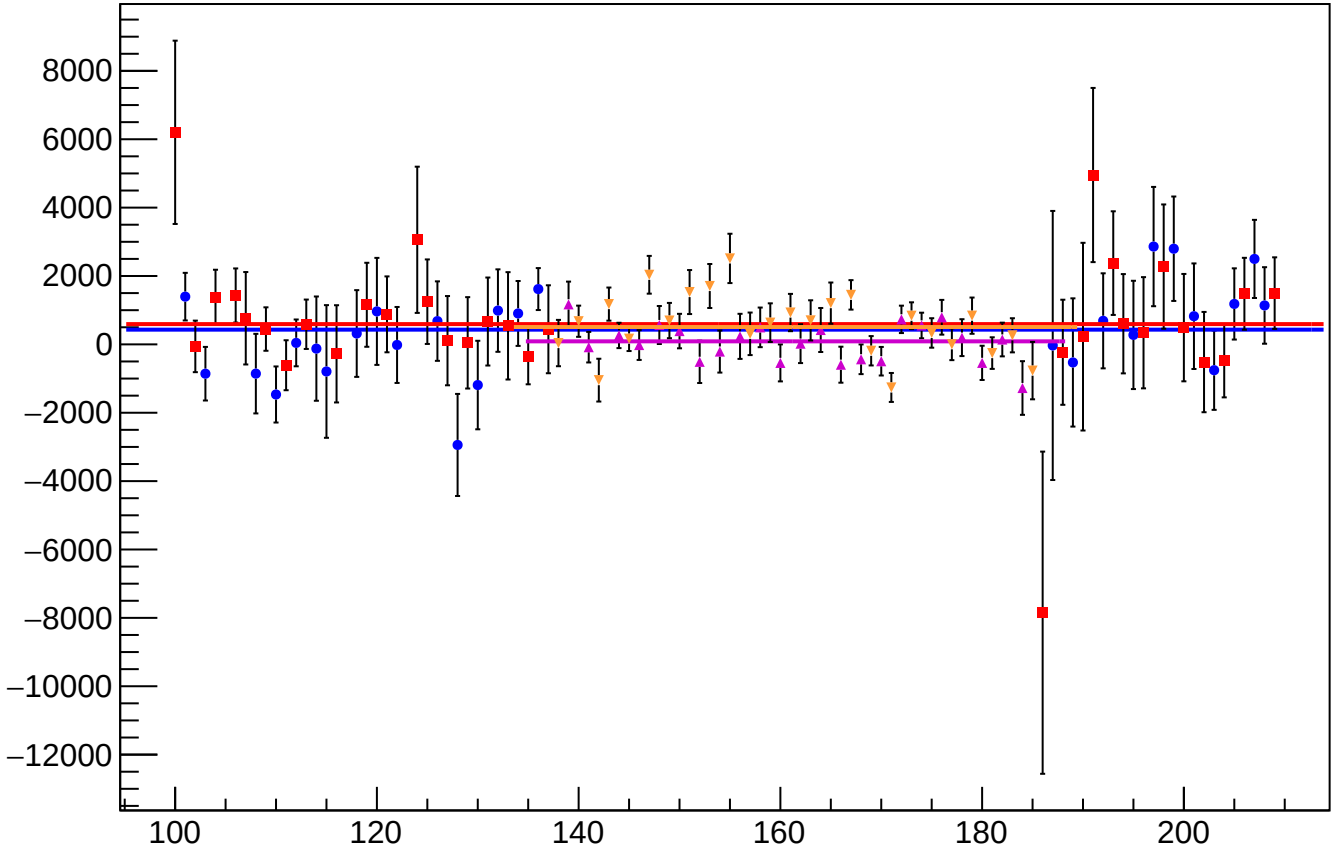
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.202+/-0.008 χ^2/NDF: 3765782.2/51

All: 62.487+/-0.005 χ^2/NDF: 7622133.4/106

- sign 62.776+/-0.008 χ^2/NDF: 3853604.1/54

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 430.529+/-210.842 χ^2/NDF: 33.2/26

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 592.754+/-200.534 χ^2/NDF: 25.7/31

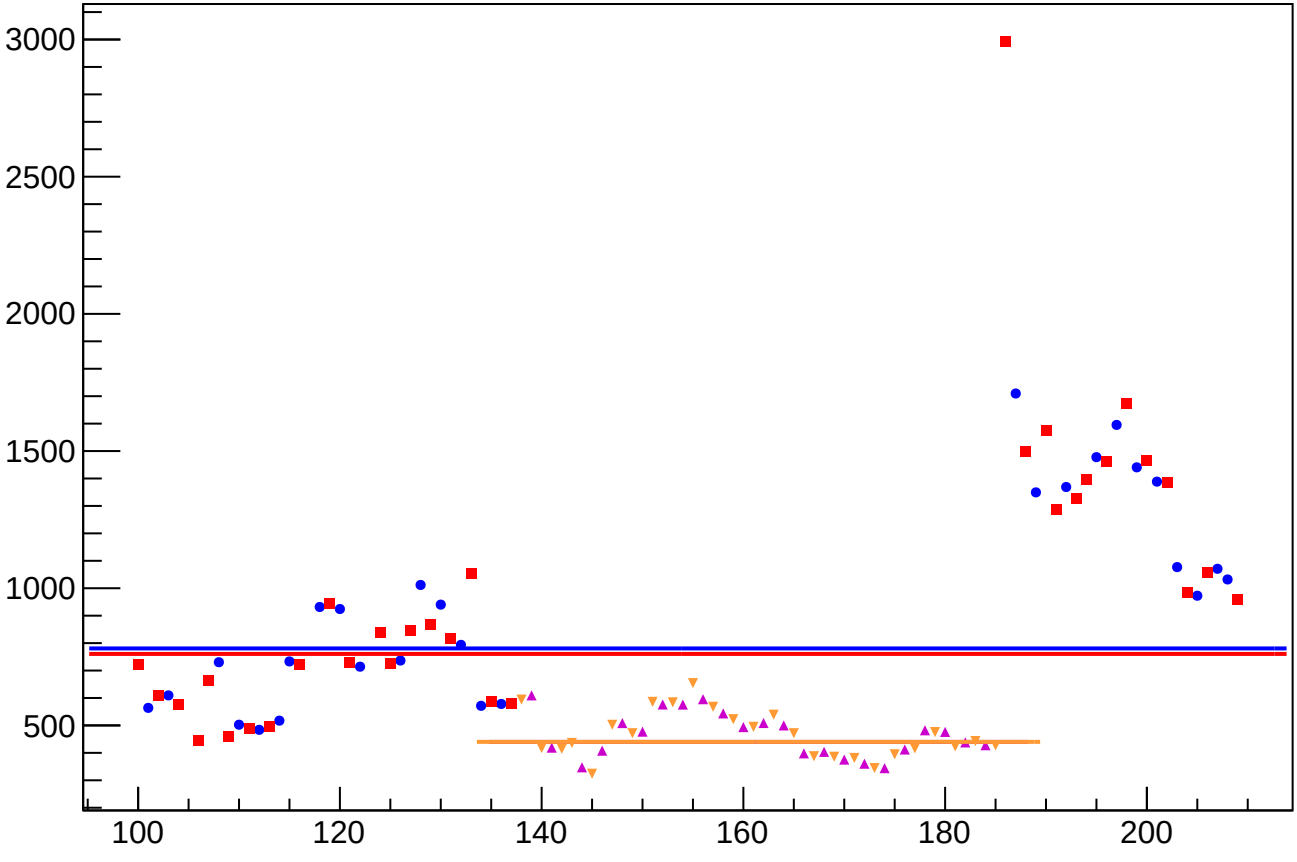
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 492.687+/-91.656 χ^2/NDF: 99.2/51

All: 346.140+/-65.177 χ^2/NDF: 158.3/106

- sign 196.234+/-92.701 χ^2/NDF: 53.9/54

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 780.591+/-0.149 χ^2/NDF: 3997126.1/26

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 760.573+/-0.142 χ^2/NDF: 5587531.5/31

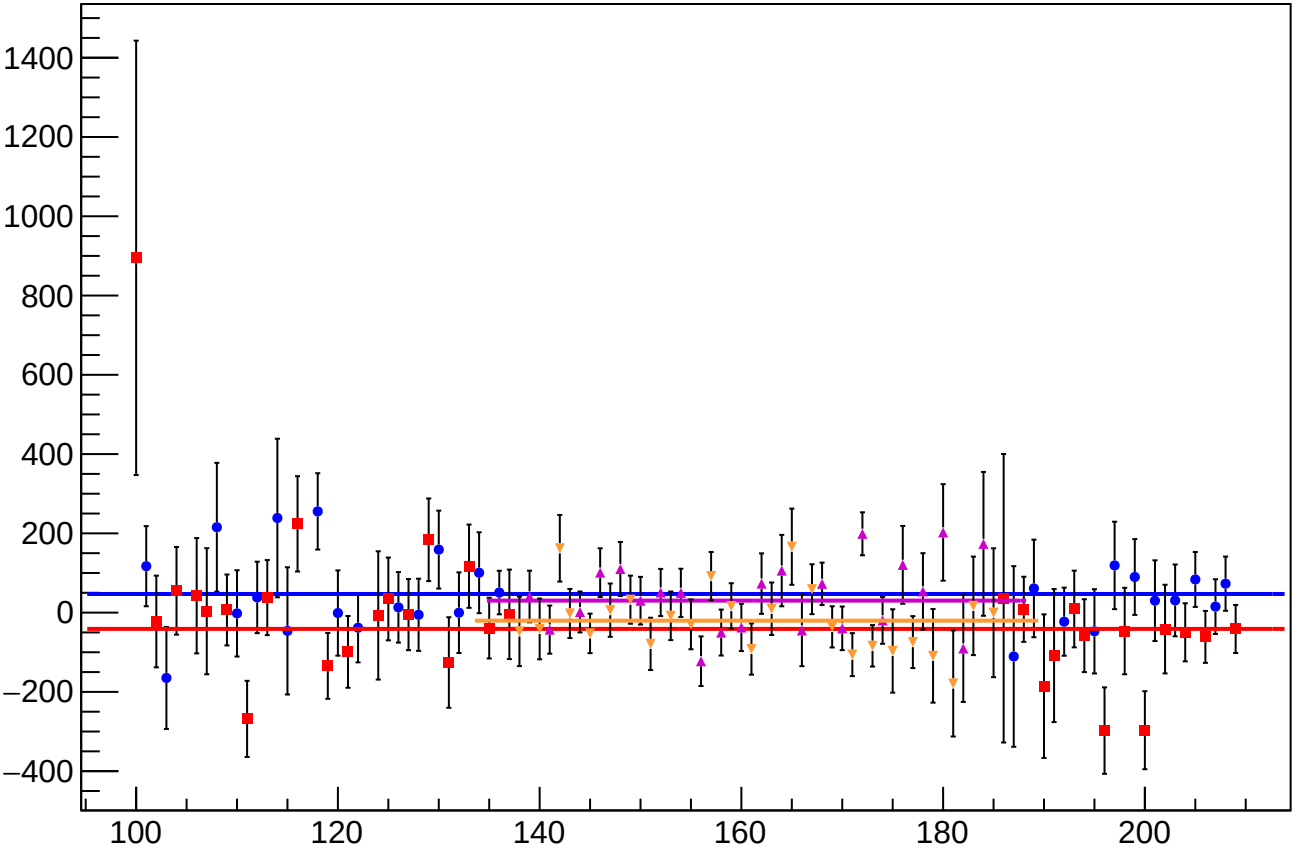
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 504.425+/-0.065 χ^2/NDF: 9424895.6/51

All: 506.394+/-0.046 χ^2/NDF: 20098125.6/10

- sign 508.408+/-0.066 χ^2/NDF: 10671362.9/54

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.015+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -41.056+/-17.734 χ^2/NDF: 39.4/31

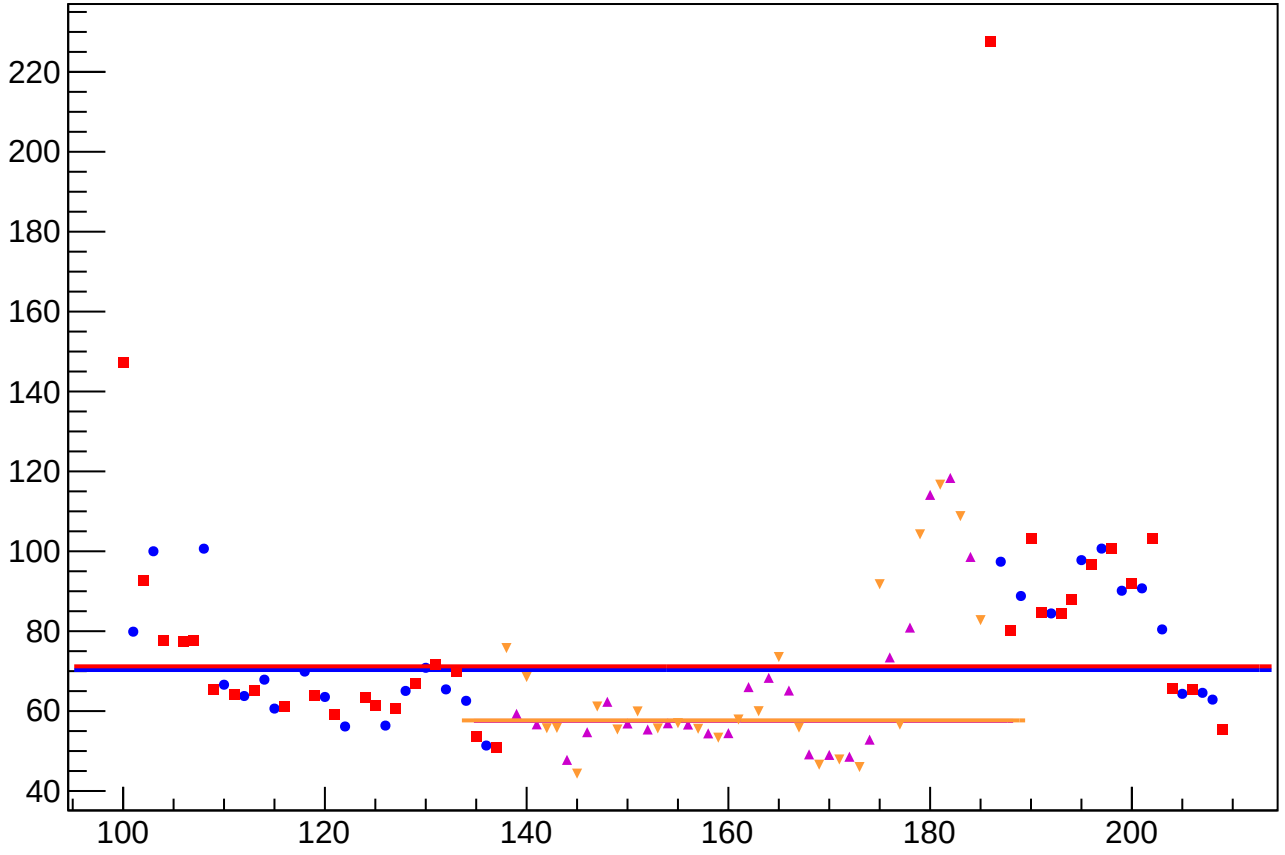
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 3.912+/-10.914 χ^2/NDF: 51.0/51

All: 3.442+/-7.740 χ^2/NDF: 133.0/106

- sign 2.966+/-10.978 χ^2/NDF: 82.0/54

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 70.284+/-0.013 χ^2/NDF: 1240823.5/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

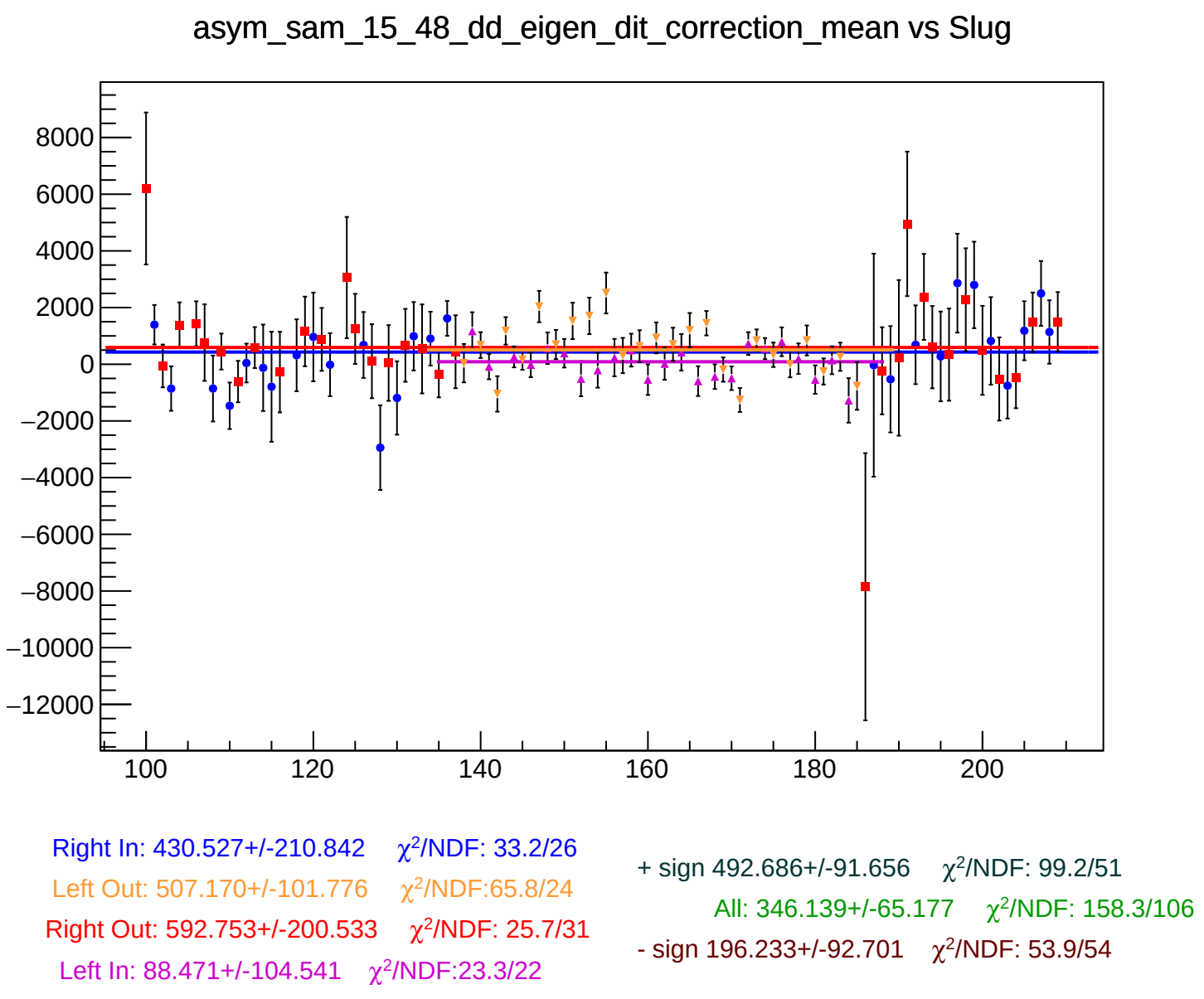
Right Out: 71.204+/-0.013 χ^2/NDF: 1677979.3/31

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

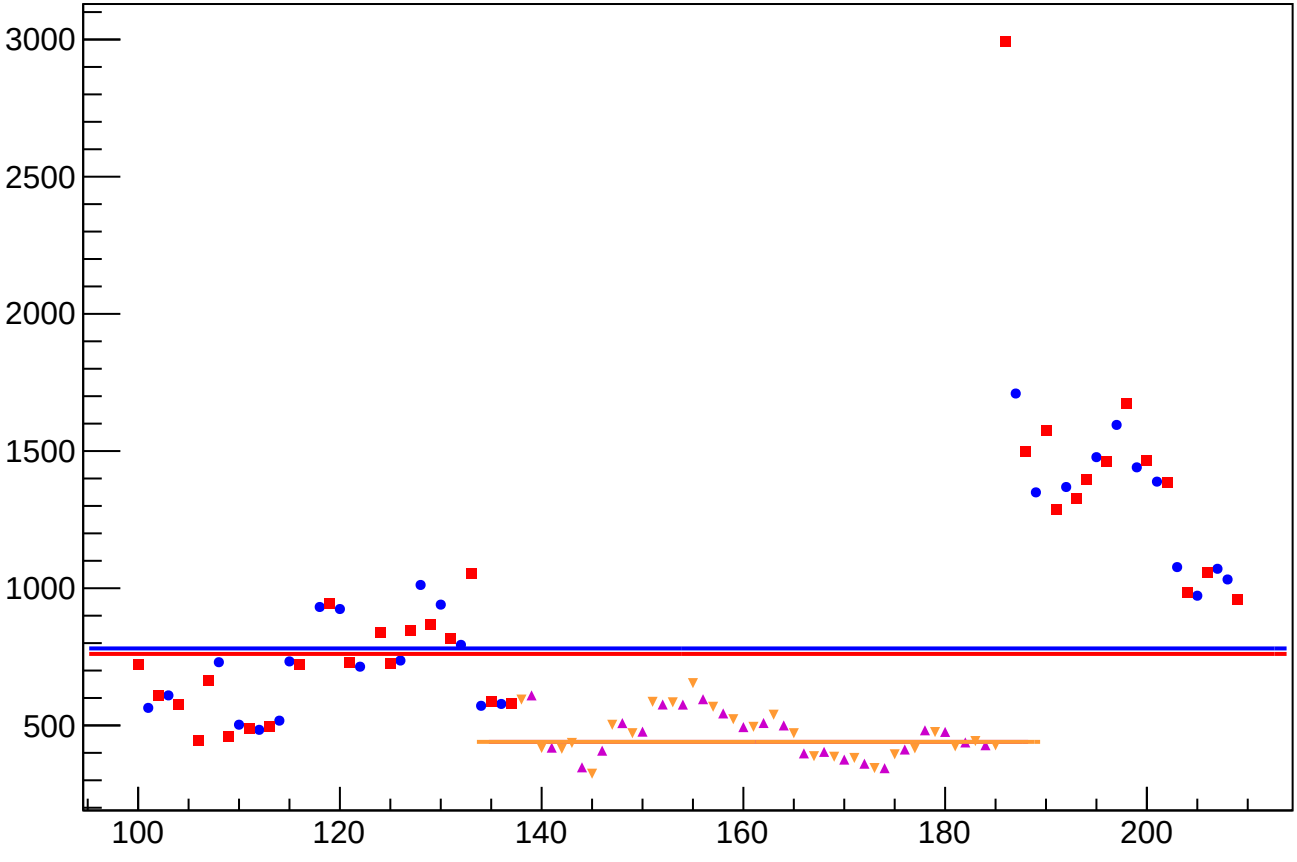
+ sign 62.202+/-0.008 χ^2/NDF: 3765746.0/51

All: 62.487+/-0.005 χ^2/NDF: 7622076.5/106

- sign 62.776+/-0.008 χ^2/NDF: 3853583.9/54


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: 430.527+/-210.842 χ²/NDF: 33.2/26
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 592.753+/-200.533 χ²/NDF: 25.7/31
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 492.686+/-91.656 χ²/NDF: 99.2/51
All: 346.139+/-65.177 χ²/NDF: 158.3/106
- sign 196.233+/-92.701 χ²/NDF: 53.9/54

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 780.590+/-0.149 χ^2/NDF: 3997131.5/26

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 760.572+/-0.142 χ^2/NDF: 5587536.2/31

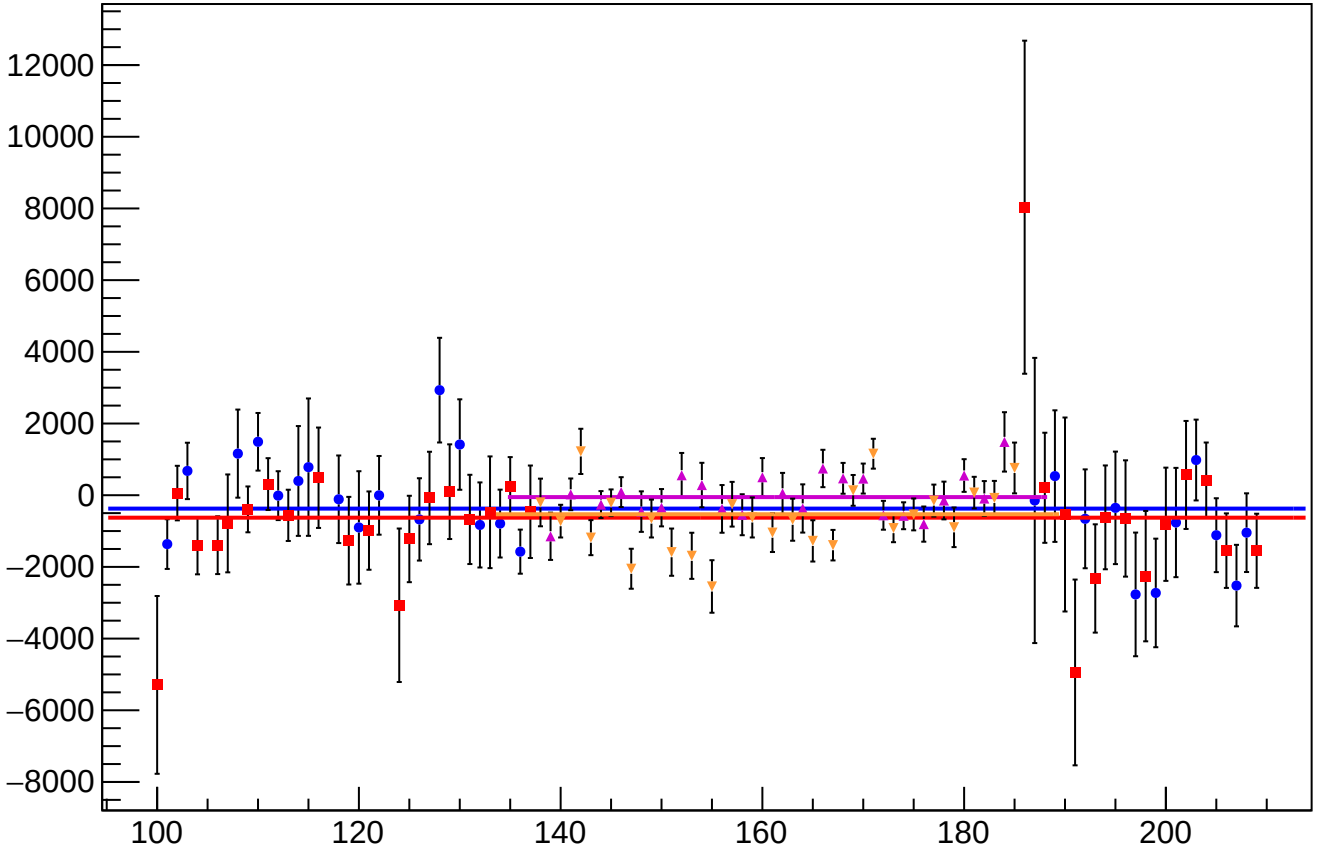
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 504.424+/-0.065 χ^2/NDF: 9424925.2/51

All: 506.393+/-0.046 χ^2/NDF: 20098186.2/10

- sign 508.407+/-0.066 χ^2/NDF: 10671394.0/54

asym_sam_15_48_dd_mean vs Slug



Right In: -373.683+/-209.348 χ^2/NDF: 33.9/26

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -626.854+/-199.796 χ^2/NDF: 24.1/31

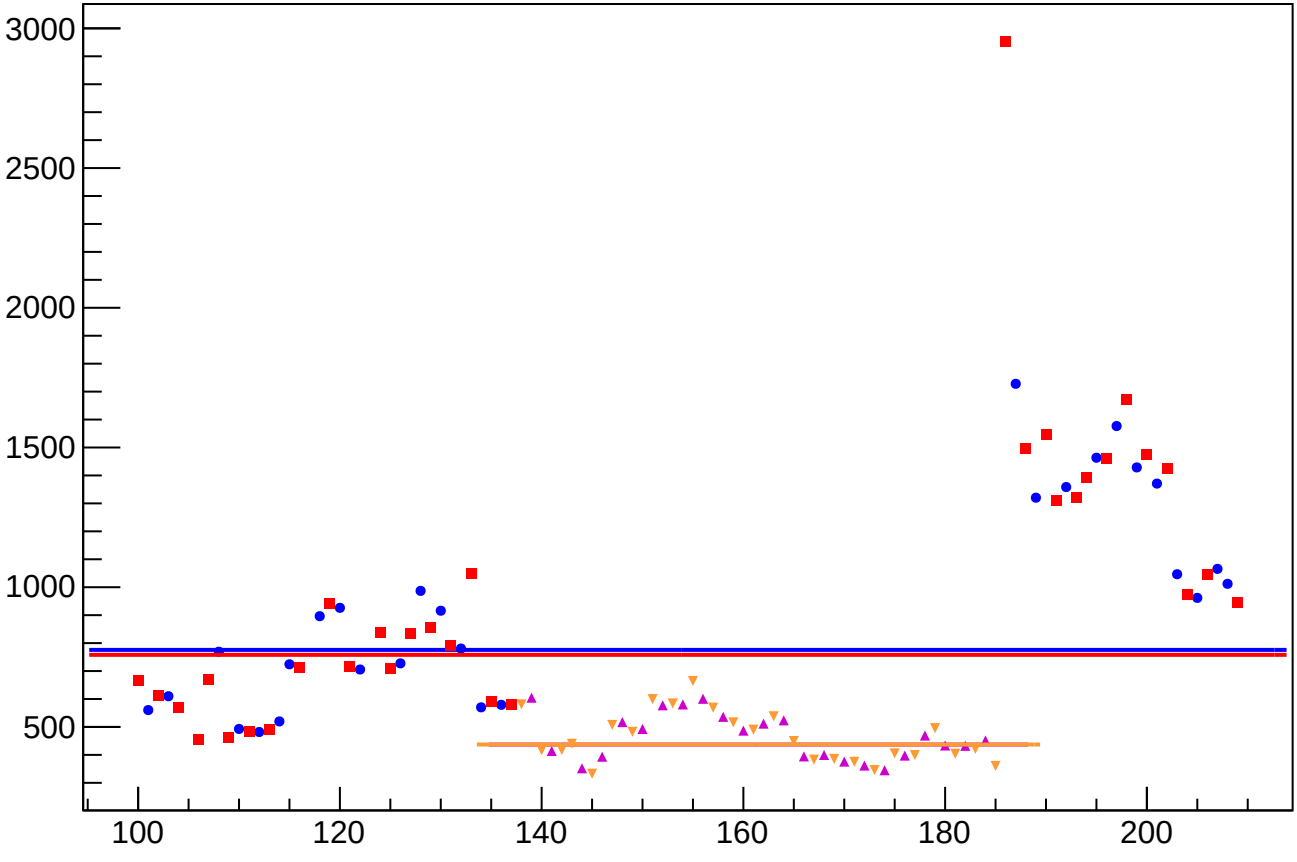
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -501.641+/-91.146 χ^2/NDF: 99.9/51

All: -340.002+/-64.805 χ^2/NDF: 160.9/106

- sign -174.748+/-92.160 χ^2/NDF: 54.7/54

asym_sam_15_48_dd_rms vs Slug



Right In: 775.739+/-0.148 χ^2/NDF: 3916666.2/26

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

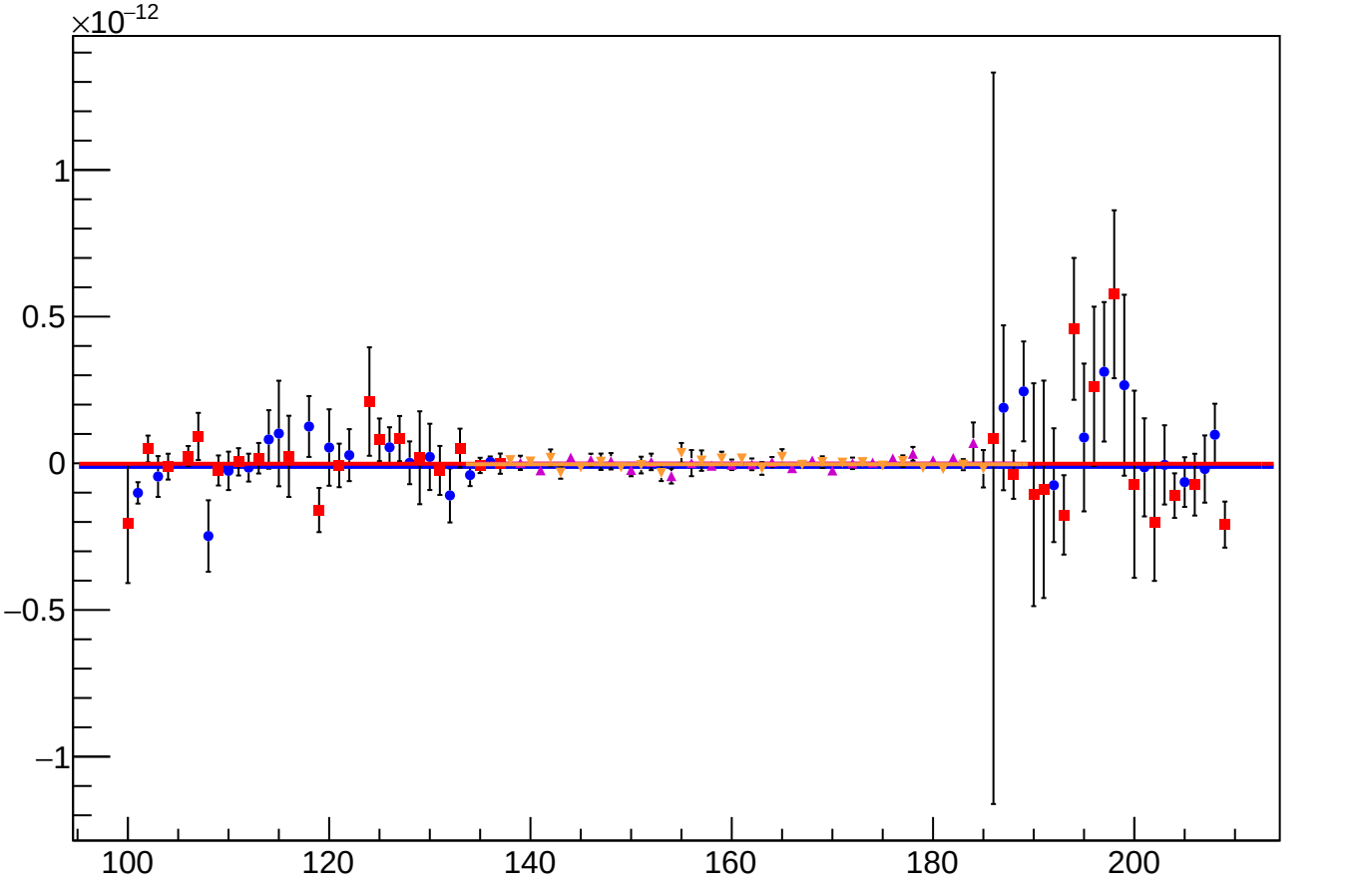
Right Out: 758.033+/-0.141 χ^2/NDF: 5558658.0/31

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 501.337+/-0.064 χ^2/NDF: 9383919.6/51

All: 503.275+/-0.046 χ^2/NDF: 20091010.4/10

- sign 505.257+/-0.065 χ^2/NDF: 10705261.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

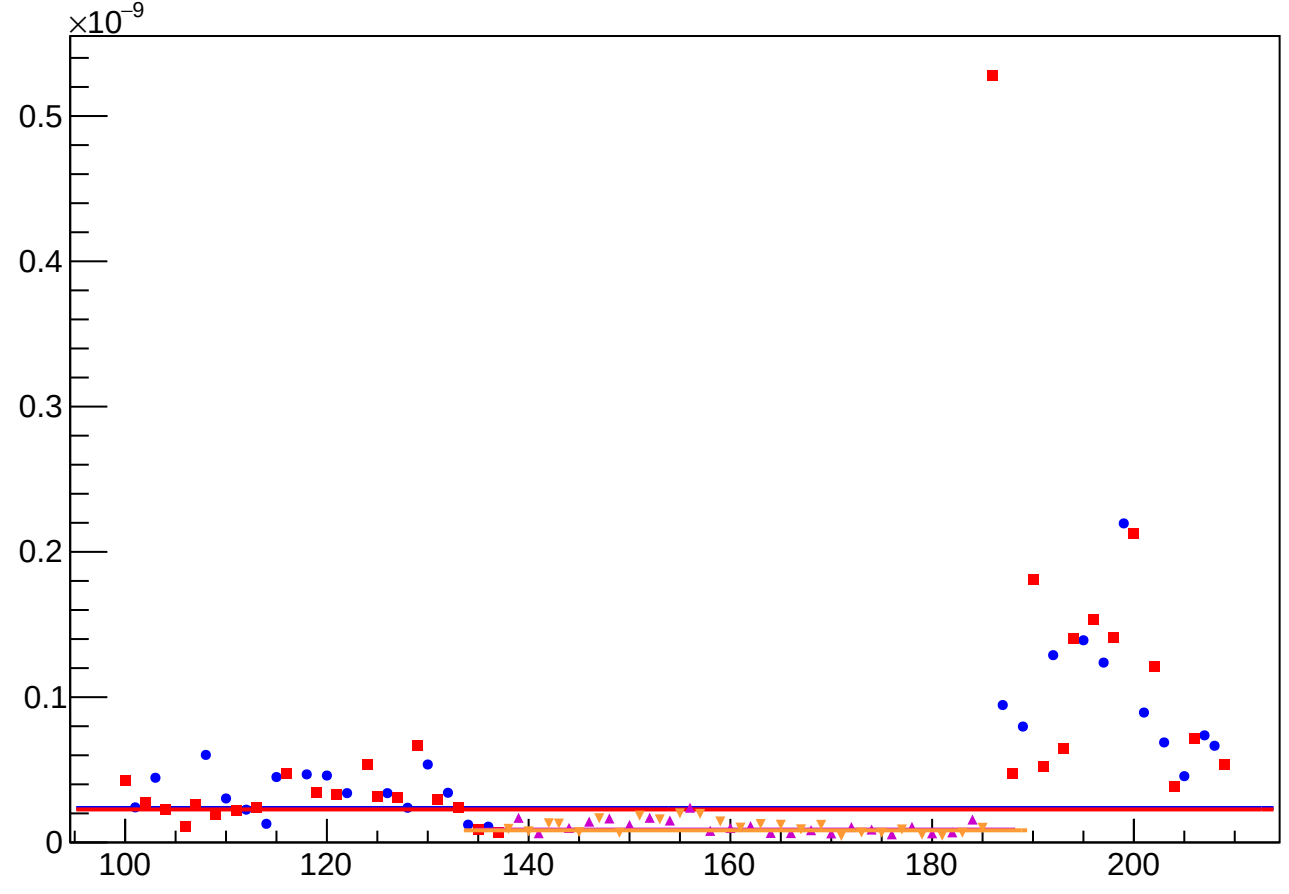
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/31

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/51

All: -0.000+/-0.000 χ^2/NDF: 96.1/106

- sign -0.000+/-0.000 χ^2/NDF: 56.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 5851942.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6064159.5/31

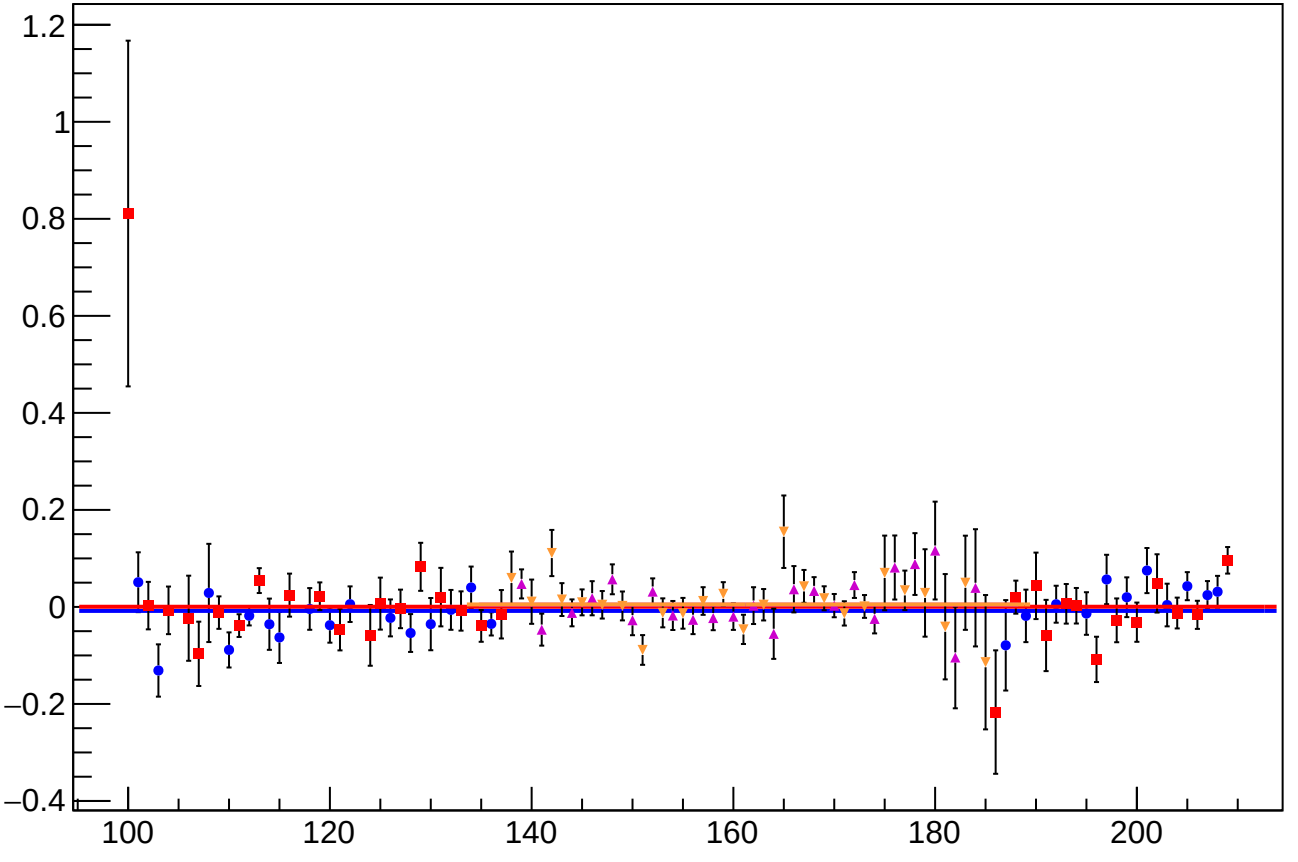
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11037766.1/51

All: 0.000+/-0.000 χ^2/NDF: 21403743.1/106

- sign 0.000+/-0.000 χ^2/NDF: 10333424.4/54

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.007 χ^2/NDF: 46.3/31

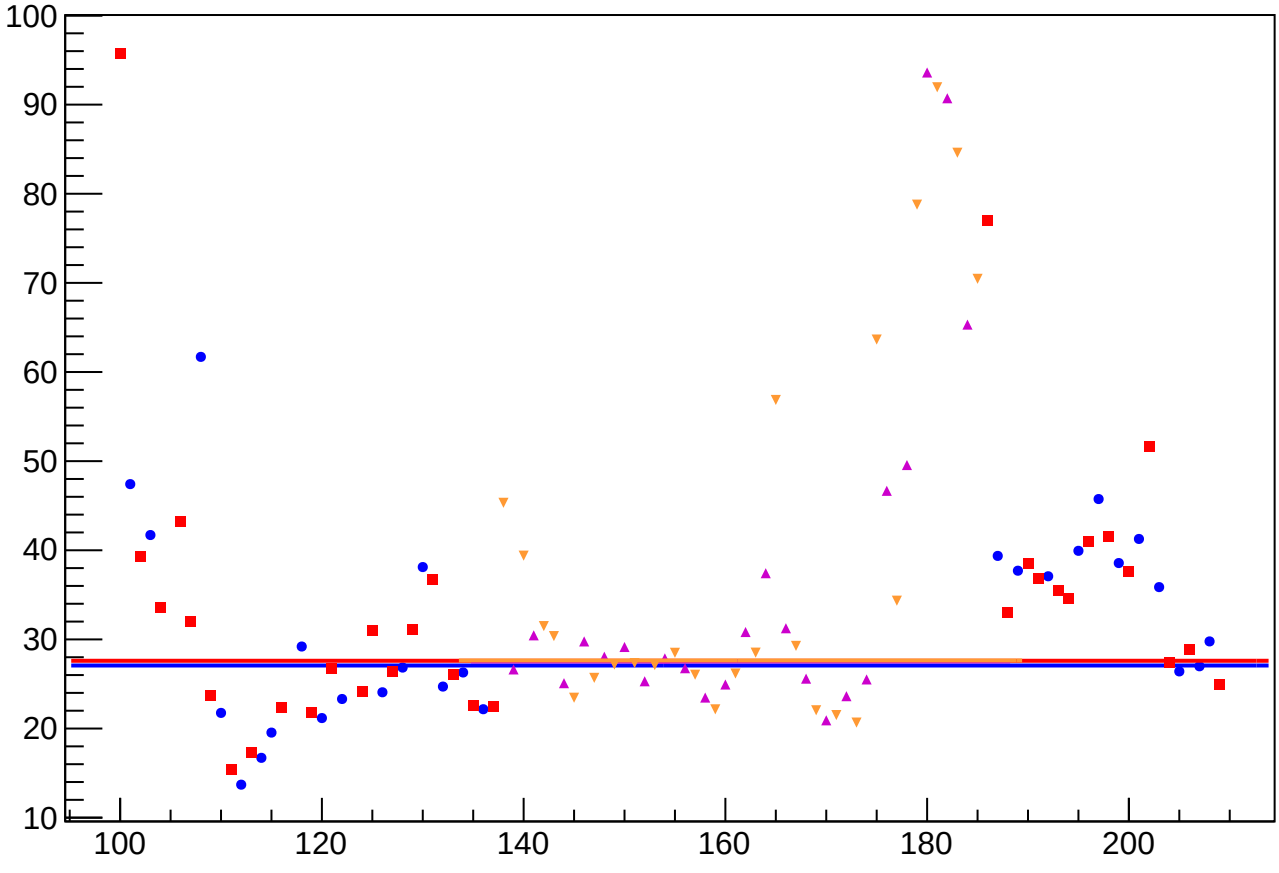
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: 0.001+/-0.004 χ^2/NDF: 131.8/106

- sign 0.003+/-0.005 χ^2/NDF: 71.6/54

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

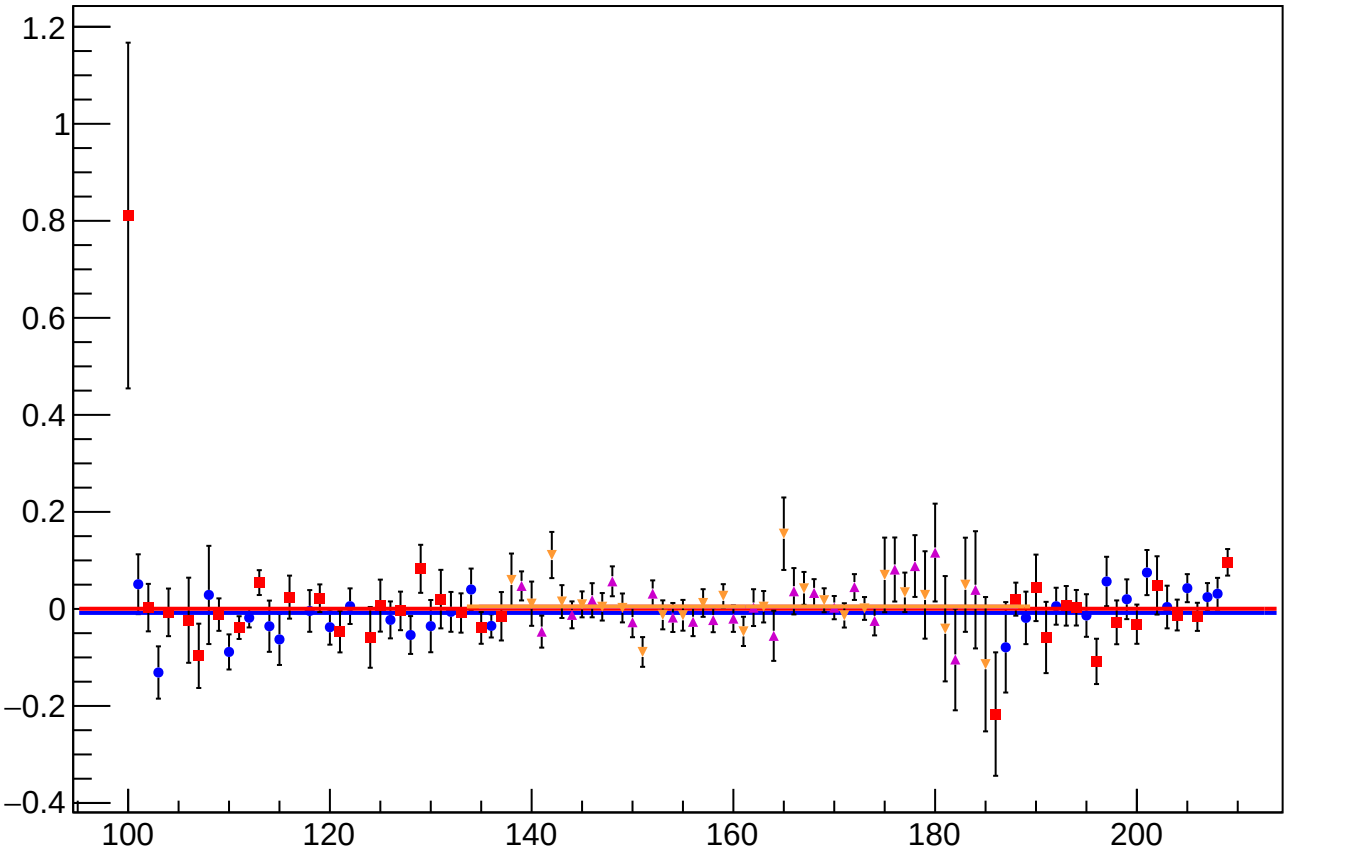
Right Out: 27.603+/-0.005 χ^2/NDF: 2842143.3/31

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038107.8/51

All: 27.470+/-0.003 χ^2/NDF: 12516319.0/106

- sign 27.563+/-0.004 χ^2/NDF: 5476809.9/54



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

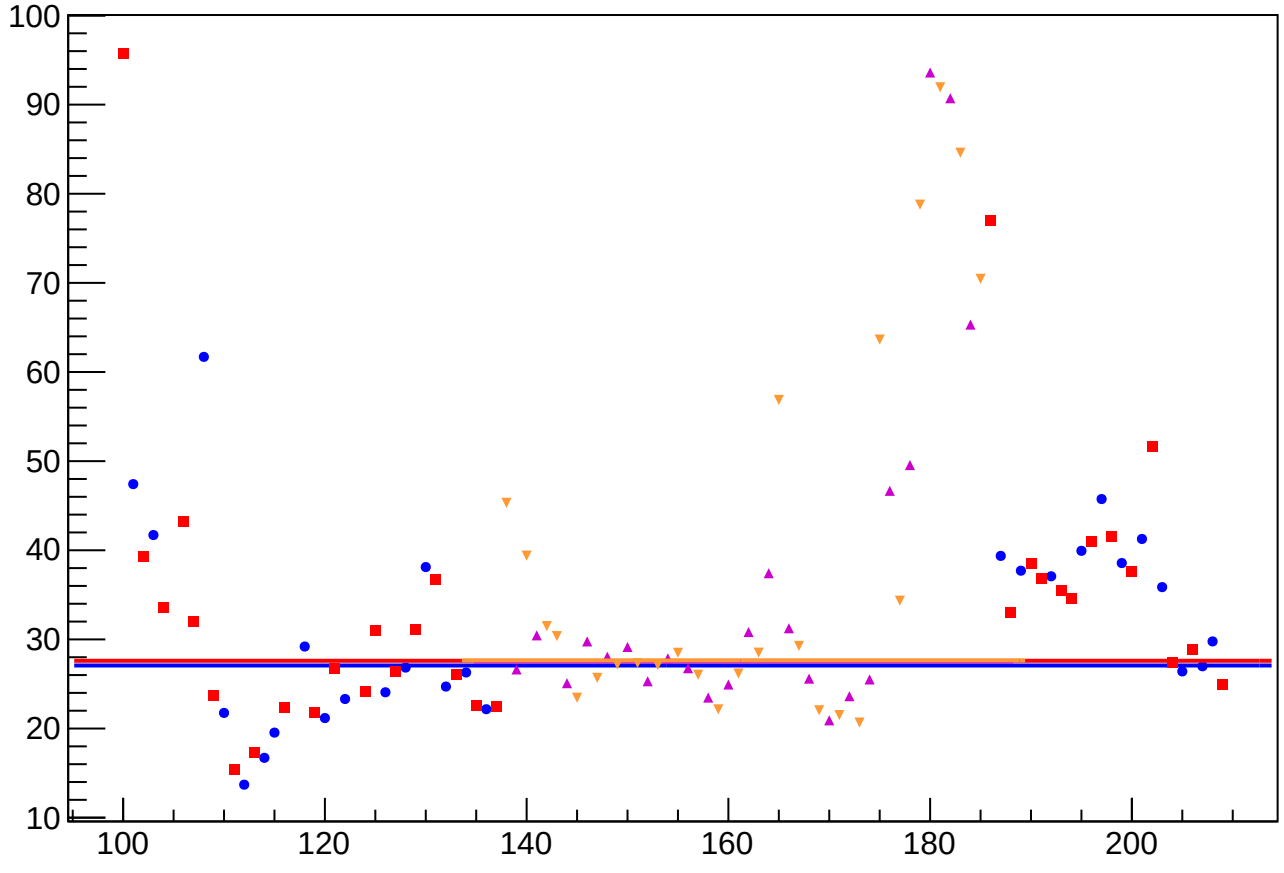
Right Out: 0.000+/-0.007 χ^2/NDF: 46.3/31

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

\+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: 0.001+/-0.004 χ^2/NDF: 131.8/106

\- sign 0.003+/-0.005 χ^2/NDF: 71.6/54



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

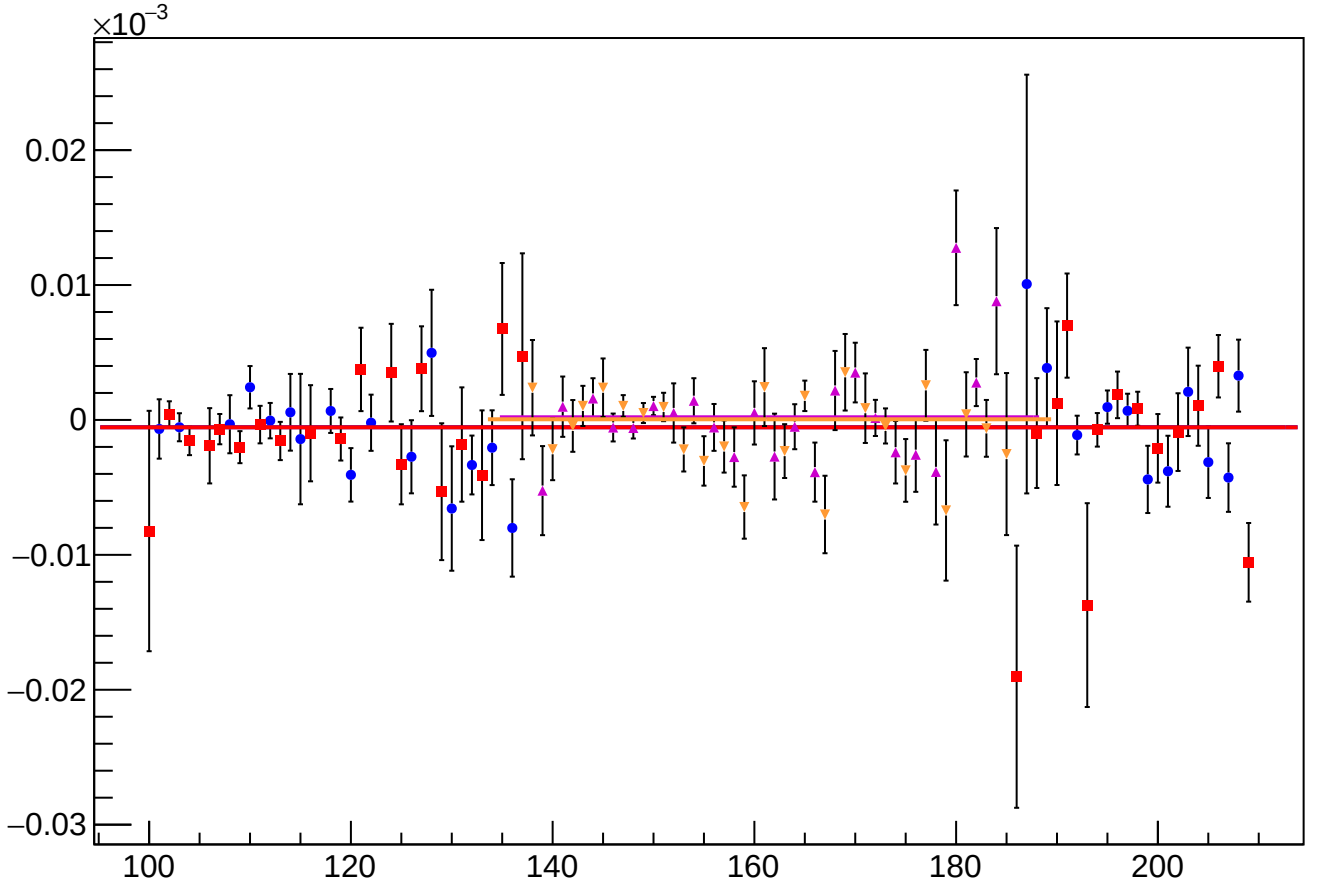
Right Out: 27.603+/-0.005 χ^2/NDF: 2842143.3/31

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038107.8/51

All: 27.470+/-0.003 χ^2/NDF: 12516319.0/106

- sign 27.563+/-0.004 χ^2/NDF: 5476809.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

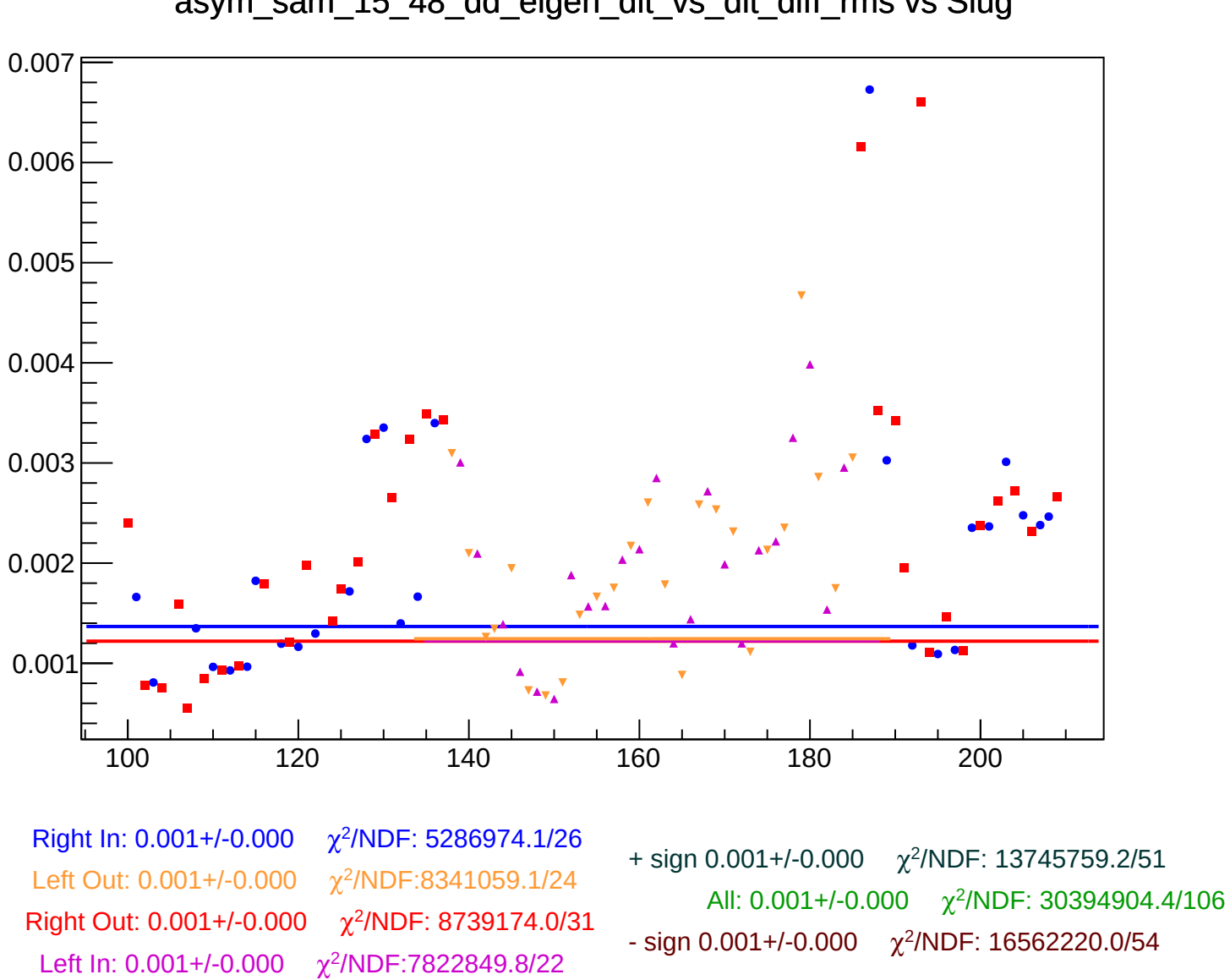
Right Out: -0.000+/-0.000 χ^2/NDF: 45.5/31

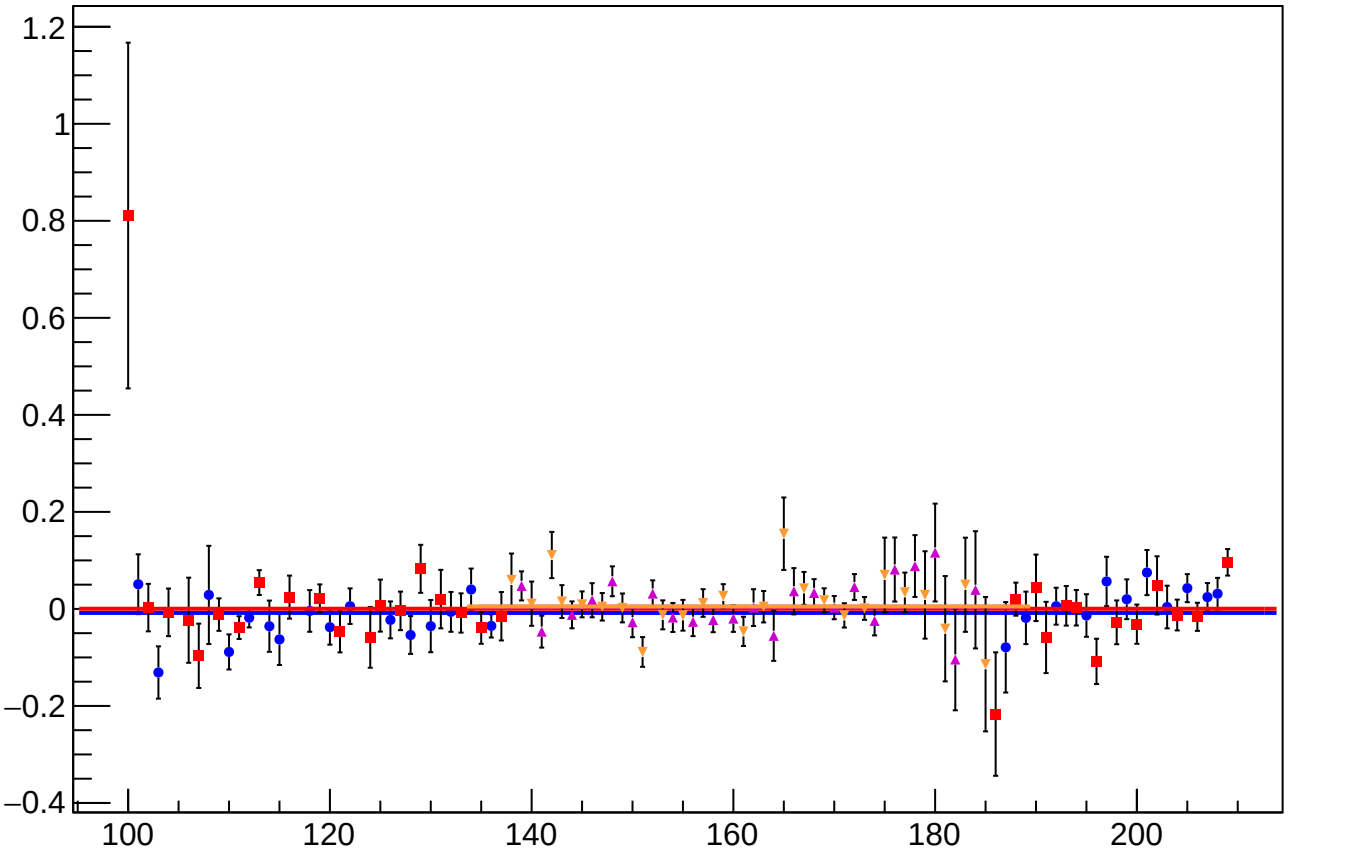
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

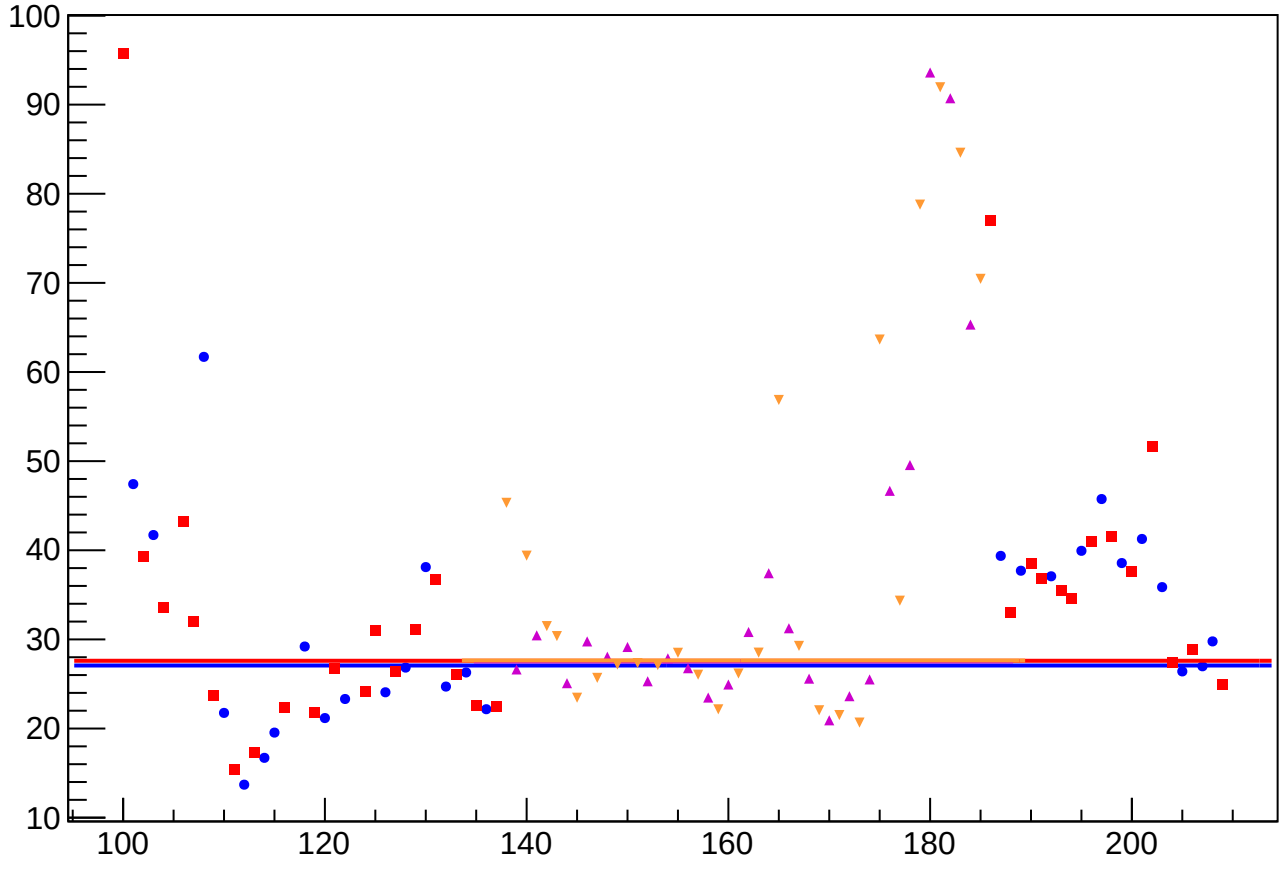
+ sign -0.000+/-0.000 χ^2/NDF: 69.7/51

All: -0.000+/-0.000 χ^2/NDF: 150.8/106

- sign -0.000+/-0.000 χ^2/NDF: 81.1/54


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 5286974.1/26
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 8739174.0/31
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13745759.2/51
All: 0.001+/-0.000 χ²/NDF: 30394904.4/106
- sign 0.001+/-0.000 χ²/NDF: 16562220.0/54


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.008+/-0.007 χ²/NDF: 29.8/26
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: 0.000+/-0.007 χ²/NDF: 46.3/31
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.001+/-0.005 χ²/NDF: 60.0/51
All: 0.001+/-0.004 χ²/NDF: 131.8/106
- sign 0.003+/-0.005 χ²/NDF: 71.6/54



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

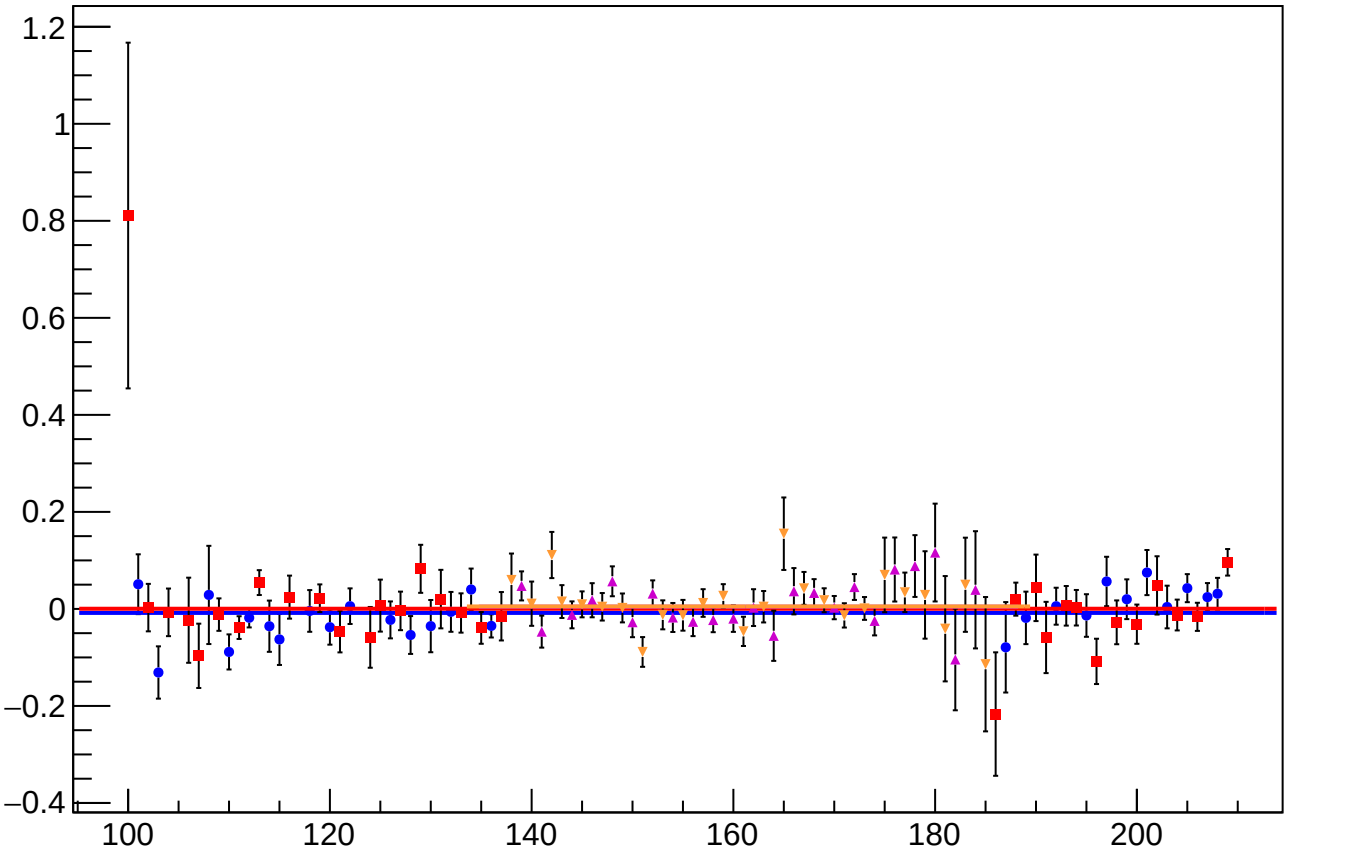
Right Out: 27.603+/-0.005 χ^2/NDF: 2842243.0/31

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038065.0/51

All: 27.470+/-0.003 χ^2/NDF: 12516341.7/106

- sign 27.563+/-0.004 χ^2/NDF: 5476876.6/54



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

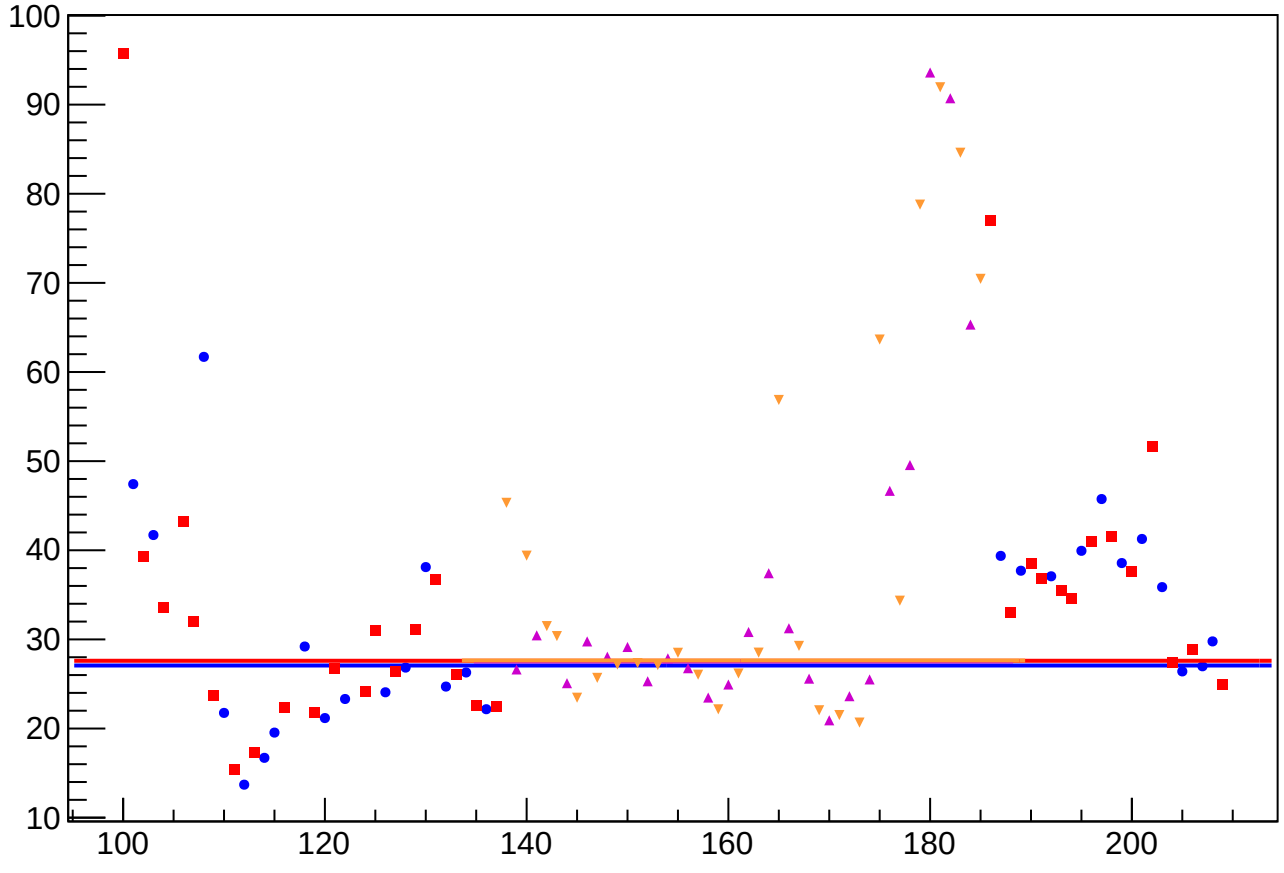
Right Out: 0.000+/-0.007 χ^2/NDF: 46.3/31

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.001+/-0.005 χ^2/NDF: 60.0/51

All: 0.001+/-0.004 χ^2/NDF: 131.8/106

- sign 0.003+/-0.005 χ^2/NDF: 71.6/54



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

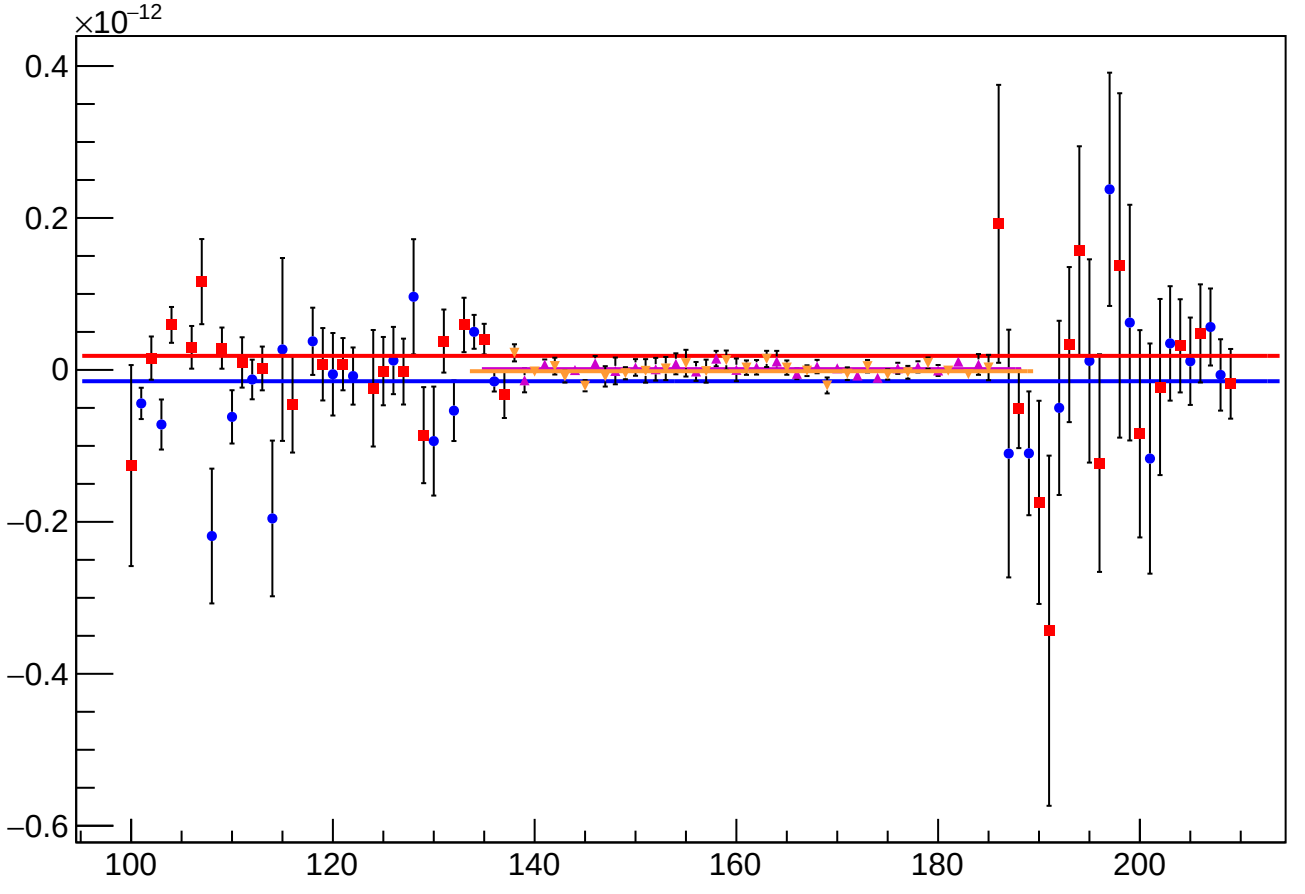
Right Out: 27.603+/-0.005 χ^2/NDF: 2842243.0/31

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.375+/-0.004 χ^2/NDF: 7038065.0/51

All: 27.470+/-0.003 χ^2/NDF: 12516341.7/106

- sign 27.563+/-0.004 χ^2/NDF: 5476876.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

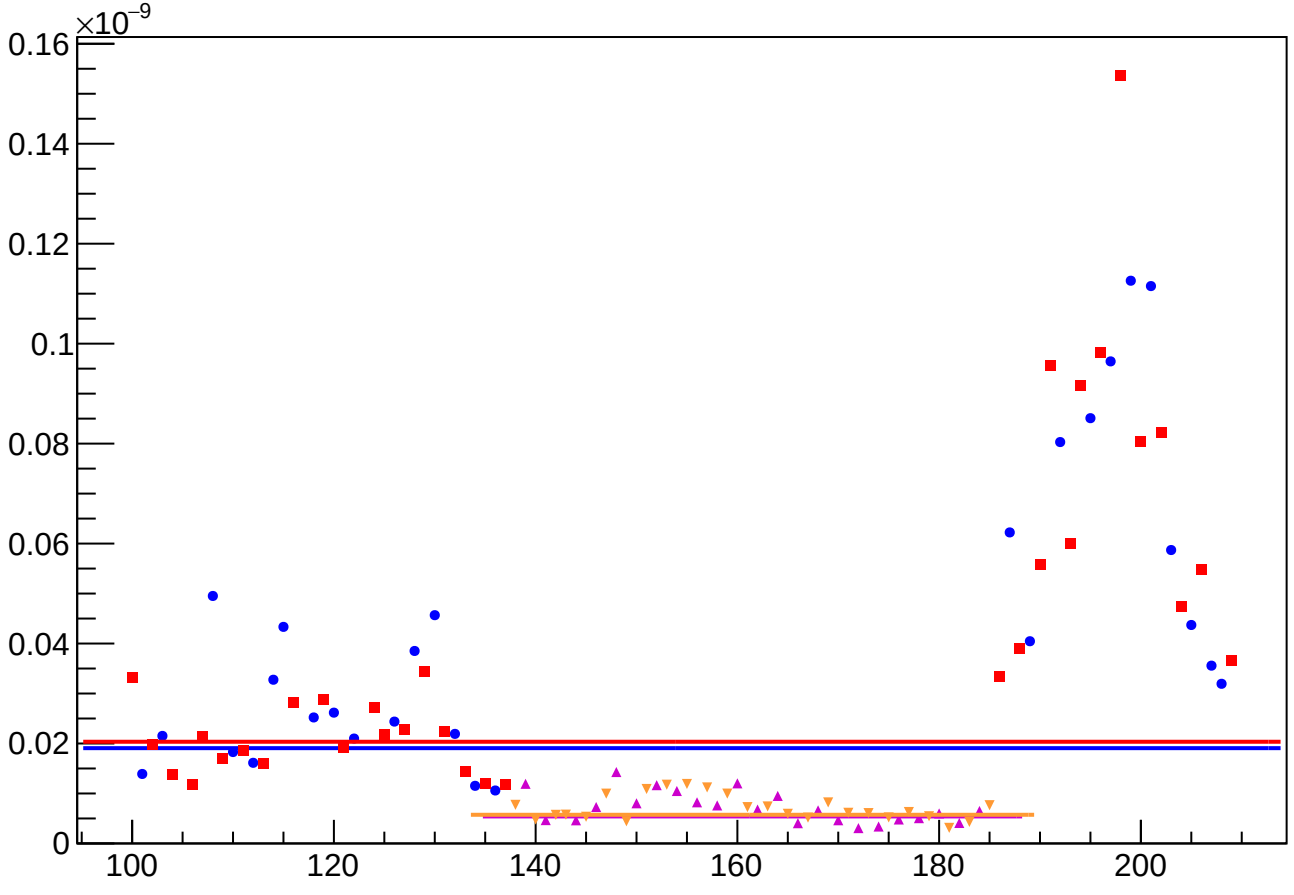
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/31

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.3/51

All: -0.000+/-0.000 χ^2/NDF: 119.6/106

- sign 0.000+/-0.000 χ^2/NDF: 51.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 6679620.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6141036.7/31

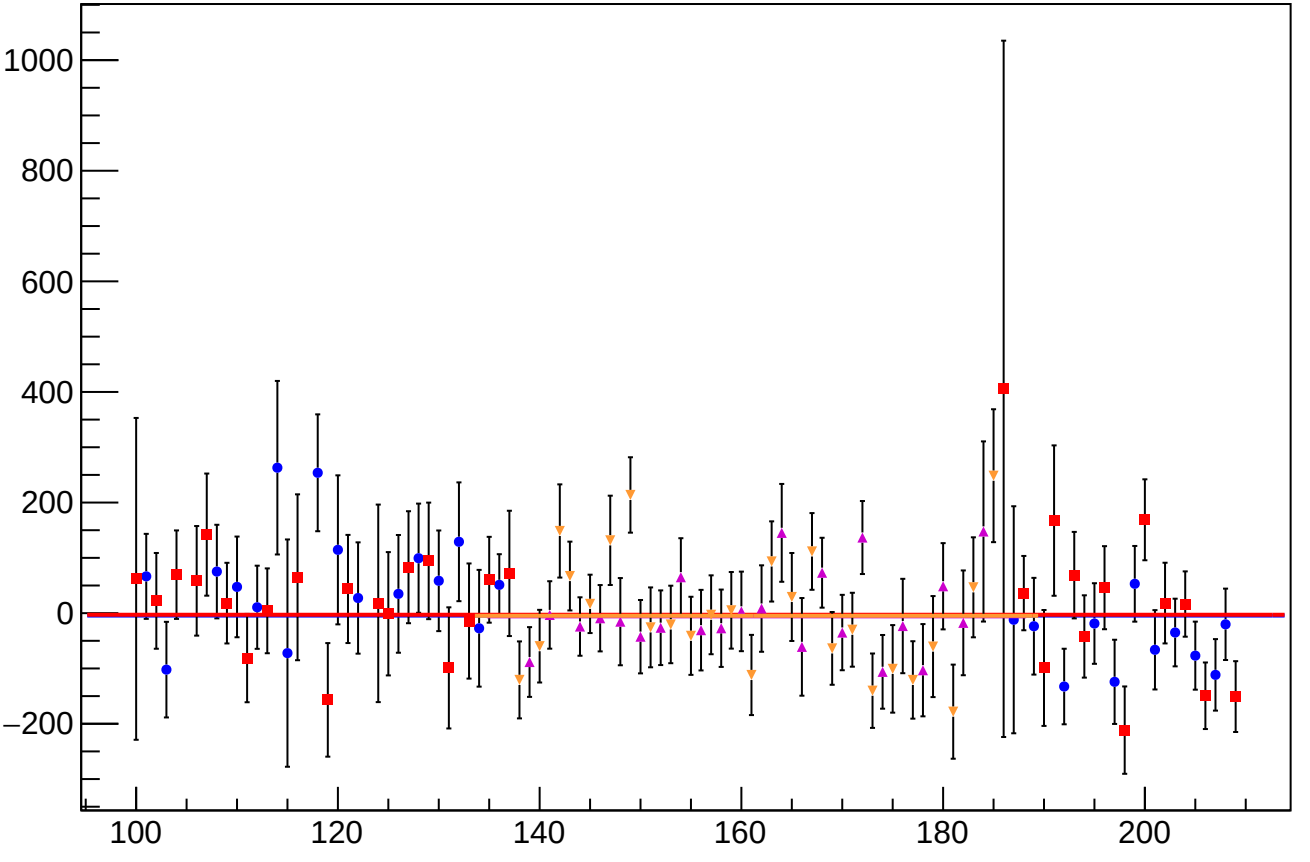
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15510838.3/51

All: 0.000+/-0.000 χ^2/NDF: 32732748.1/106

- sign 0.000+/-0.000 χ^2/NDF: 17195549.5/54

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -4.330+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -2.881+/-15.440 χ^2/NDF: 38.9/31

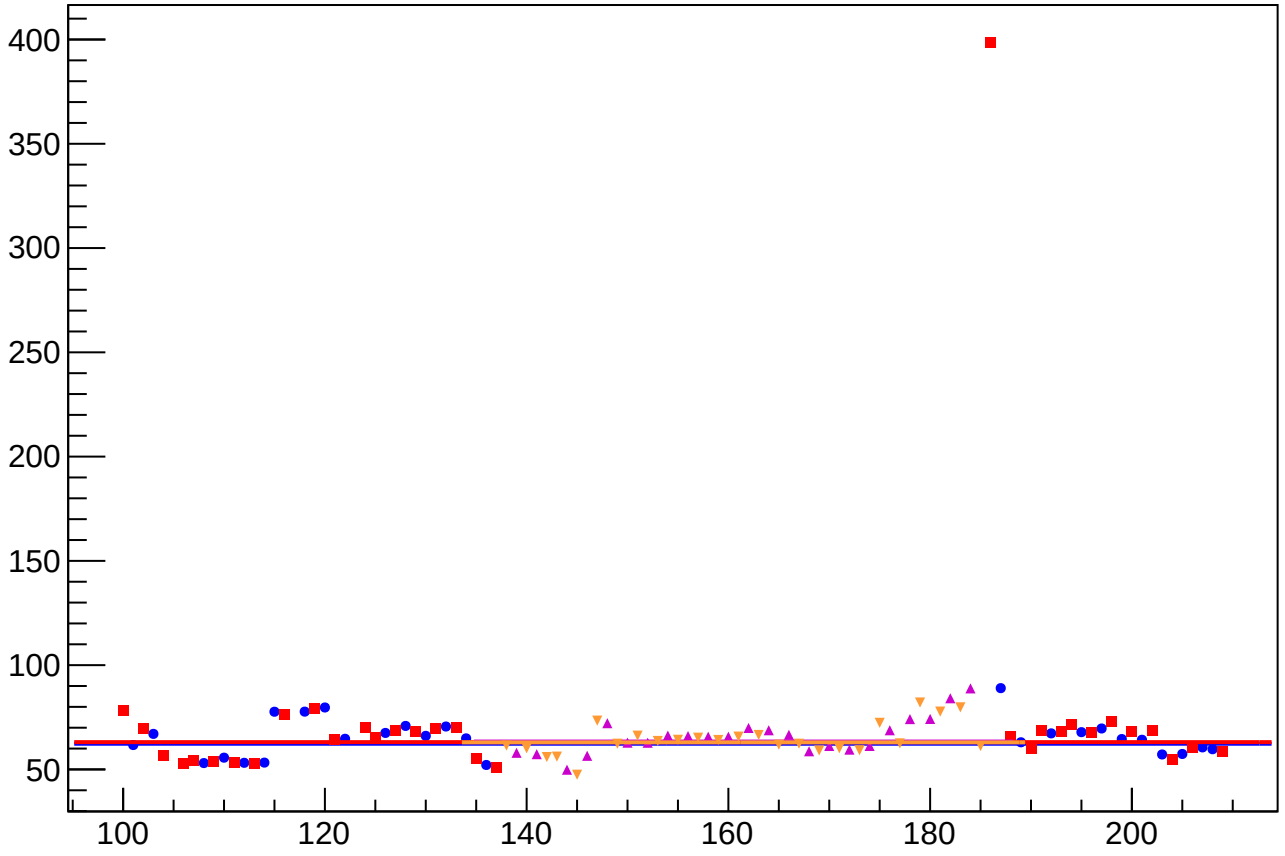
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -4.554+/-10.653 χ^2/NDF: 76.9/51

All: -4.466+/-7.561 χ^2/NDF: 134.1/106

- sign -4.377+/-10.733 χ^2/NDF: 57.2/54

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324+/-0.011 χ^2/NDF: 378365.6/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

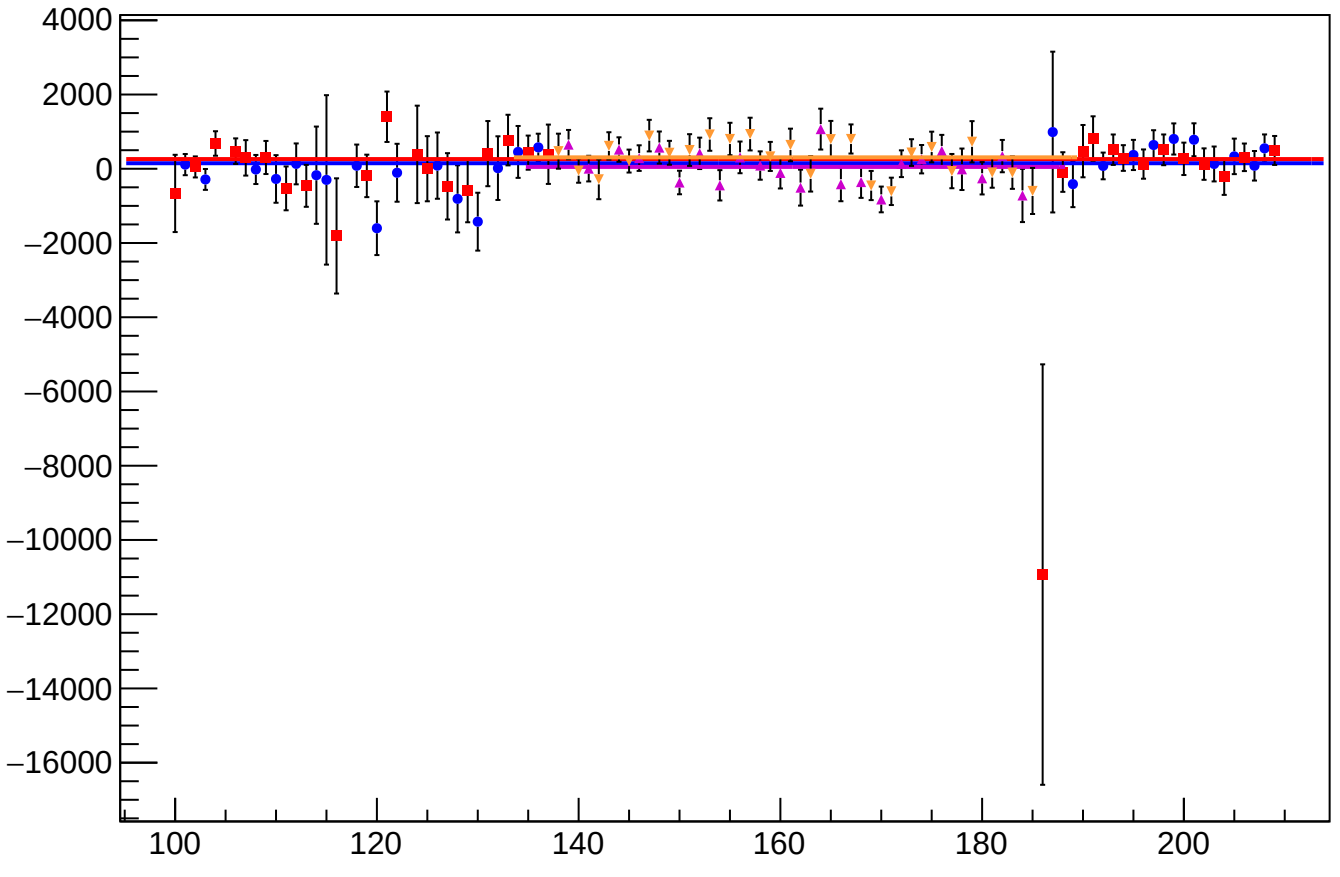
Right Out: 63.088+/-0.011 χ^2/NDF: 1024795.9/31

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.679+/-0.008 χ^2/NDF: 907084.4/51

All: 62.953+/-0.005 χ^2/NDF: 2431804.5/106

- sign 63.231+/-0.008 χ^2/NDF: 1522055.6/54



Right In: 149.129+/-93.071 χ^2/NDF: 24.5/26

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 261.100+/-87.661 χ^2/NDF: 22.2/31

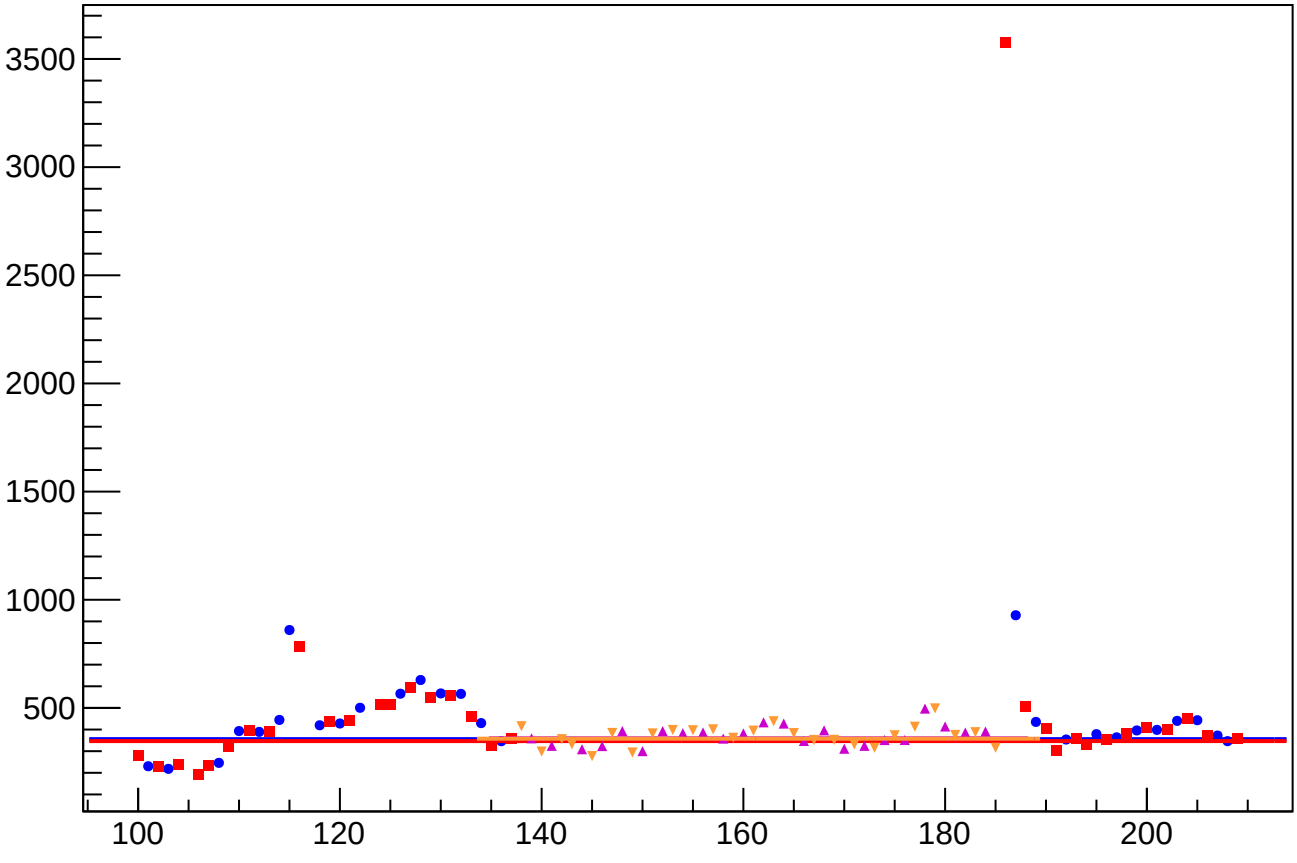
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 237.769+/-61.679 χ^2/NDF: 56.8/51

All: 194.441+/-43.358 χ^2/NDF: 110.2/106

- sign 152.113+/-60.963 χ^2/NDF: 52.4/54

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 355.674+/-0.066 χ^2/NDF: 2191101.2/26

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 346.682+/-0.062 χ^2/NDF: 2987513.8/31

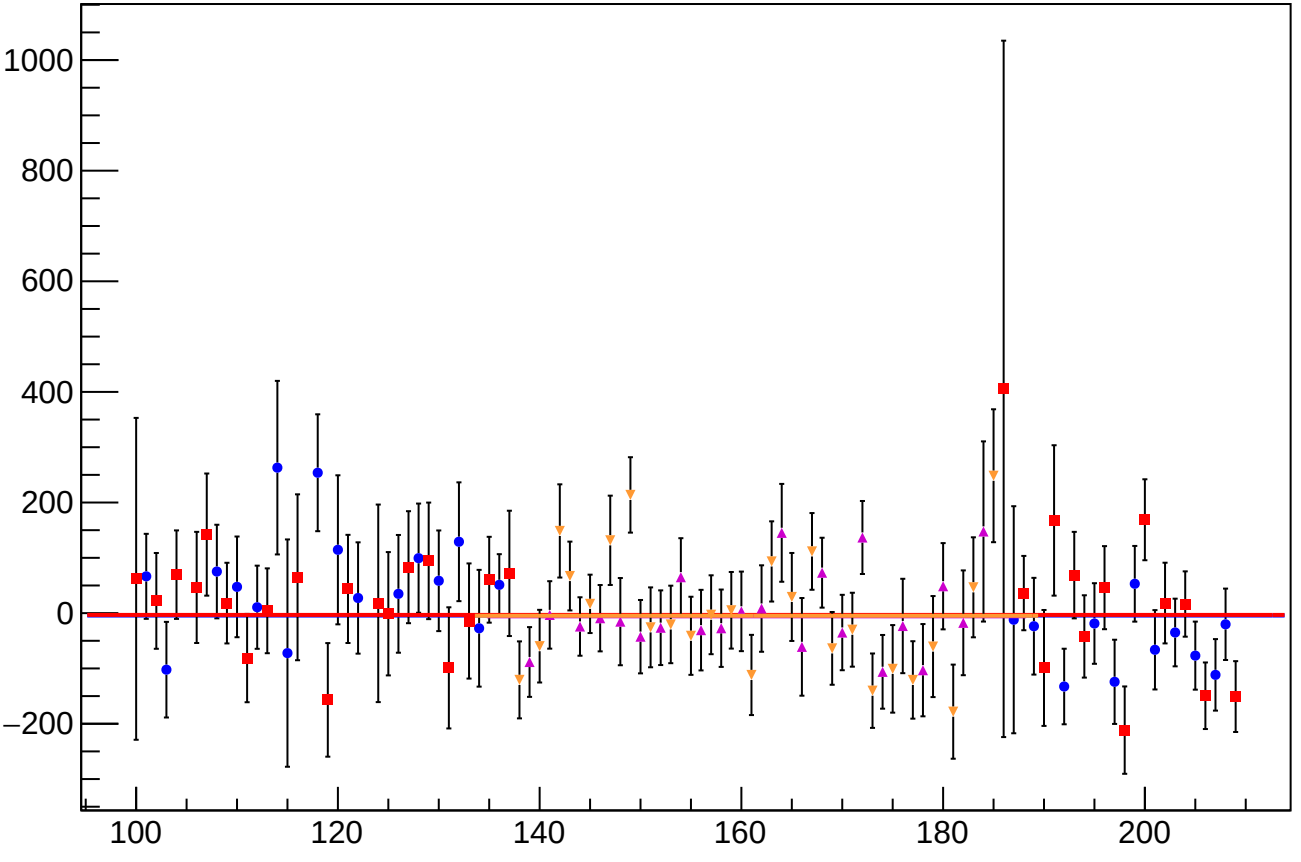
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 356.828+/-0.044 χ^2/NDF: 2875379.9/51

All: 355.004+/-0.031 χ^2/NDF: 6407675.0/106

- sign 353.223+/-0.043 χ^2/NDF: 3528840.1/54

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -3.206+/-15.445 χ^2/NDF: 38.8/31

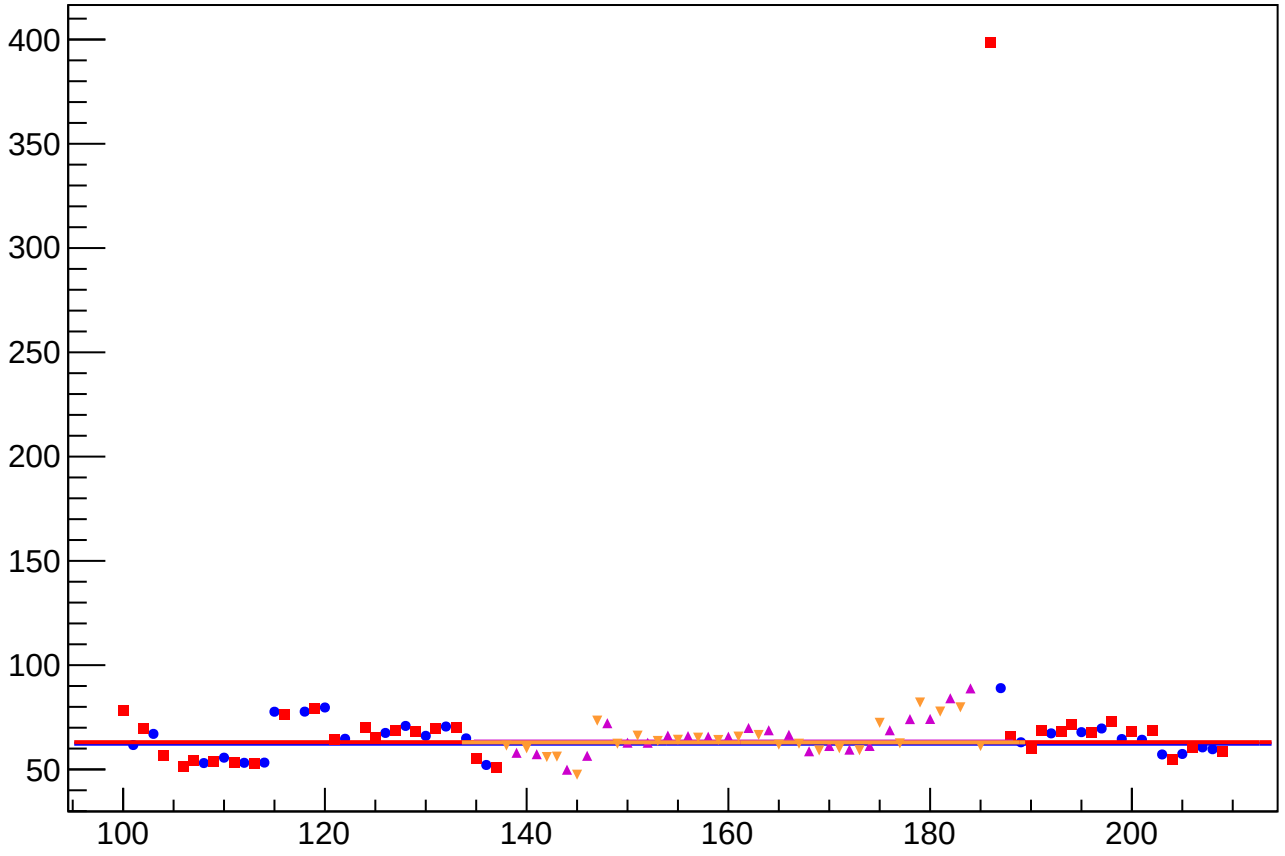
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.560+/-10.653 χ^2/NDF: 76.9/51

All: -4.547+/-7.562 χ^2/NDF: 134.0/106

- sign -4.534+/-10.735 χ^2/NDF: 57.1/54

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

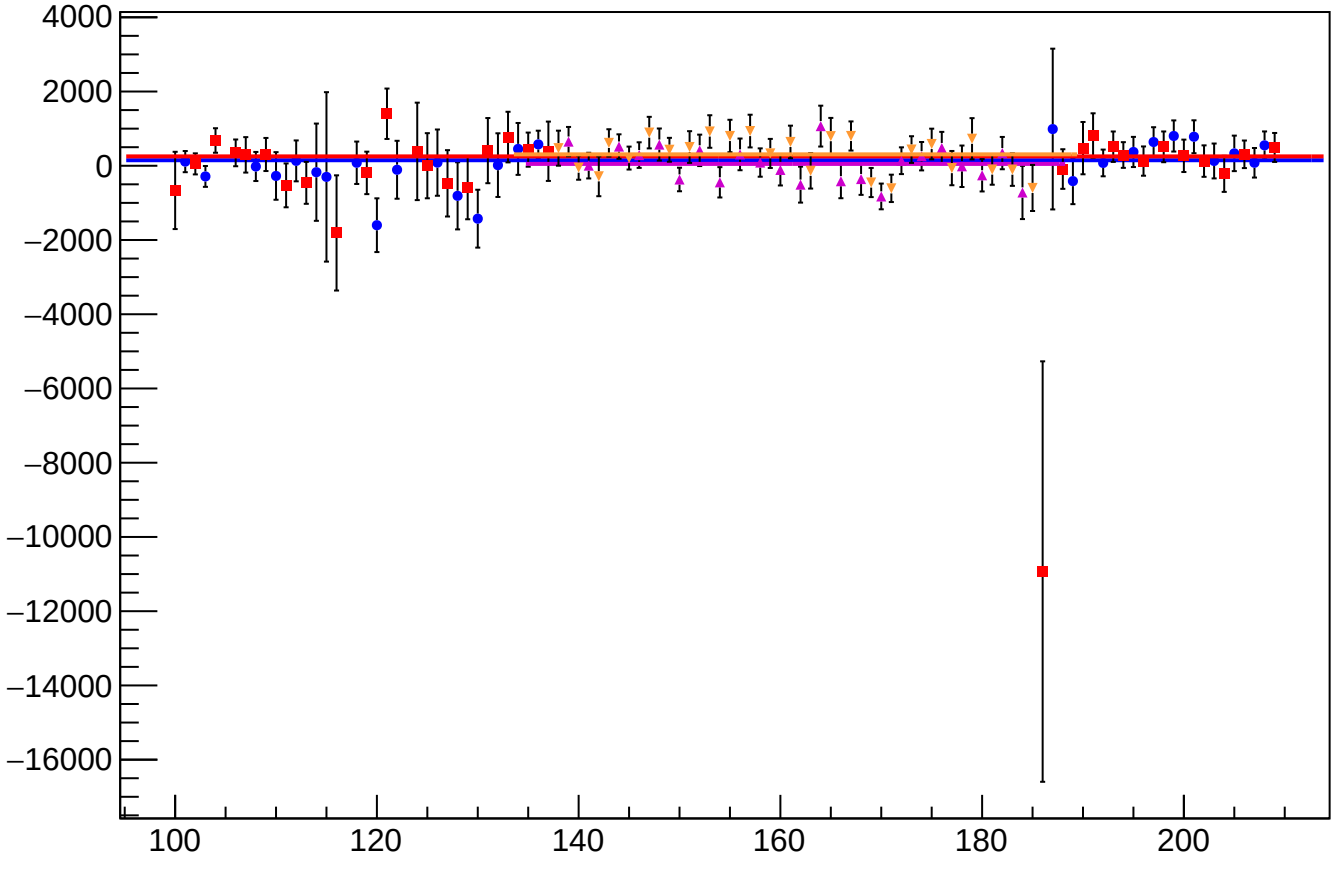
Right Out: 63.070+/-0.011 χ^2/NDF: 1028849.3/31

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.679+/-0.008 χ^2/NDF: 907084.6/51

All: 62.949+/-0.005 χ^2/NDF: 2435820.2/106

- sign 63.223+/-0.008 χ^2/NDF: 1526152.8/54



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 252.501+/-87.914 χ^2/NDF: 21.8/31

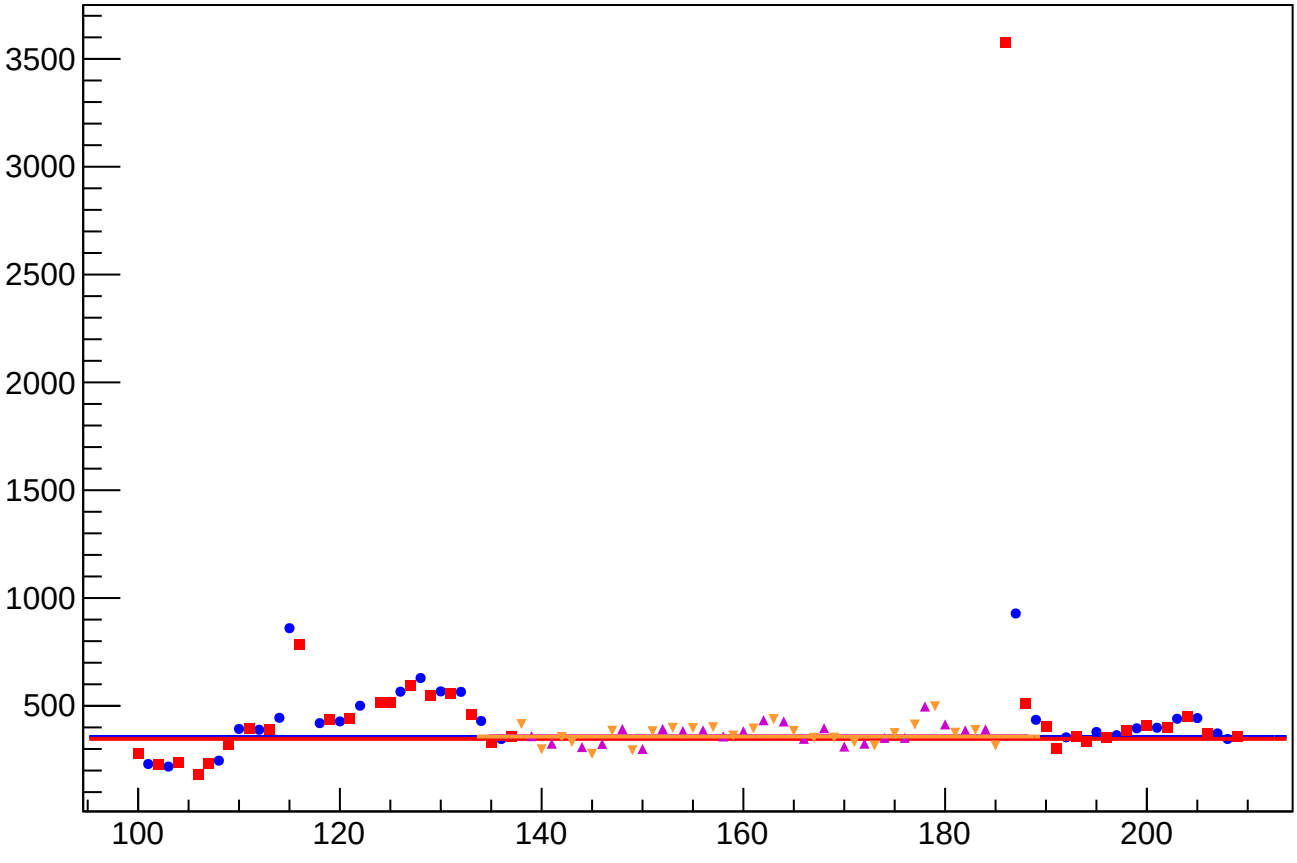
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

\+ sign 237.769+/-61.679 χ^2/NDF: 56.8/51

All: 192.251+/-43.389 χ^2/NDF: 109.7/106

\- sign 147.660+/-61.048 χ^2/NDF: 51.8/54

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.969+/-0.062 χ^2/NDF: 3002655.5/31

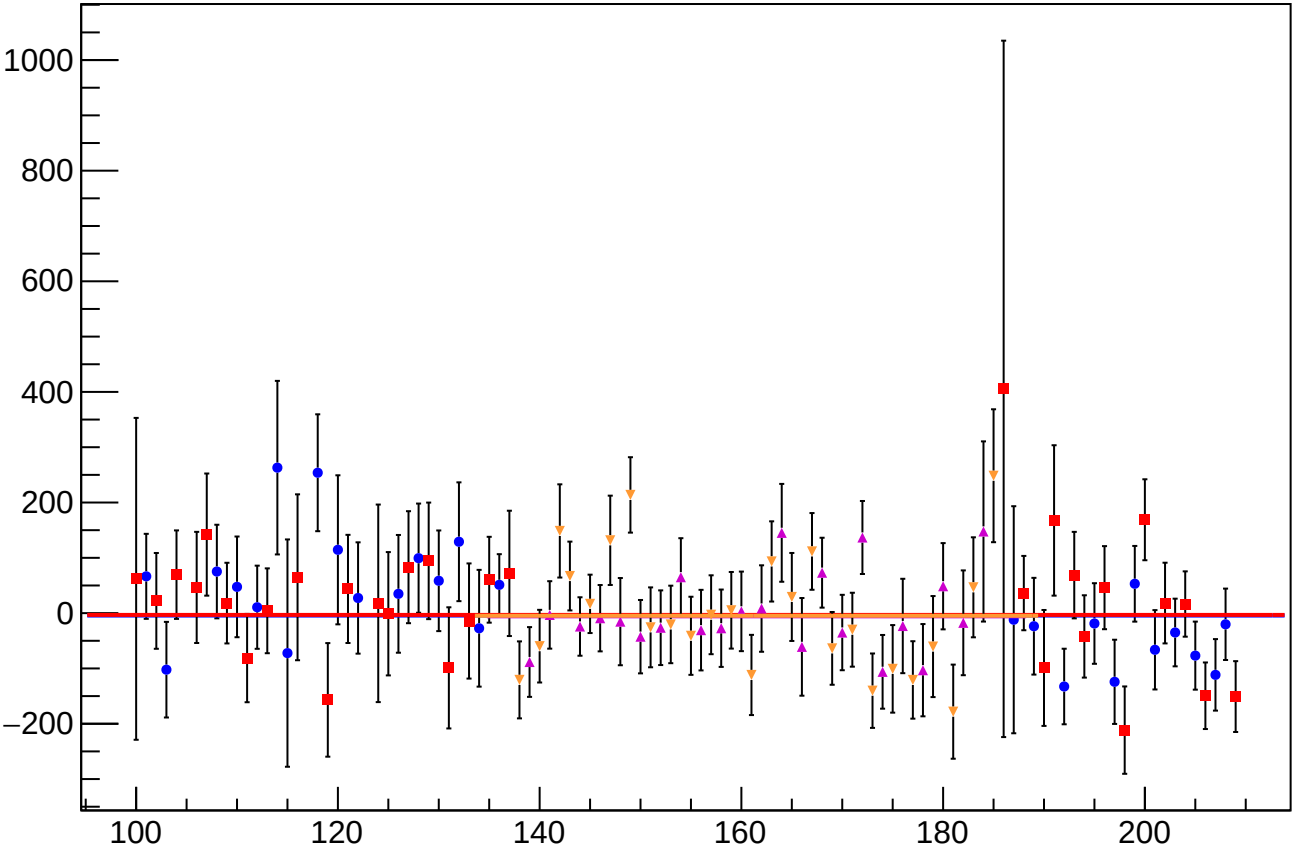
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.828+/-0.044 χ^2/NDF: 2875293.5/51

All: 355.087+/-0.031 χ^2/NDF: 6421408.2/106

- sign 353.380+/-0.043 χ^2/NDF: 3542956.7/54

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -3.206+/-15.445 χ^2/NDF: 38.8/31

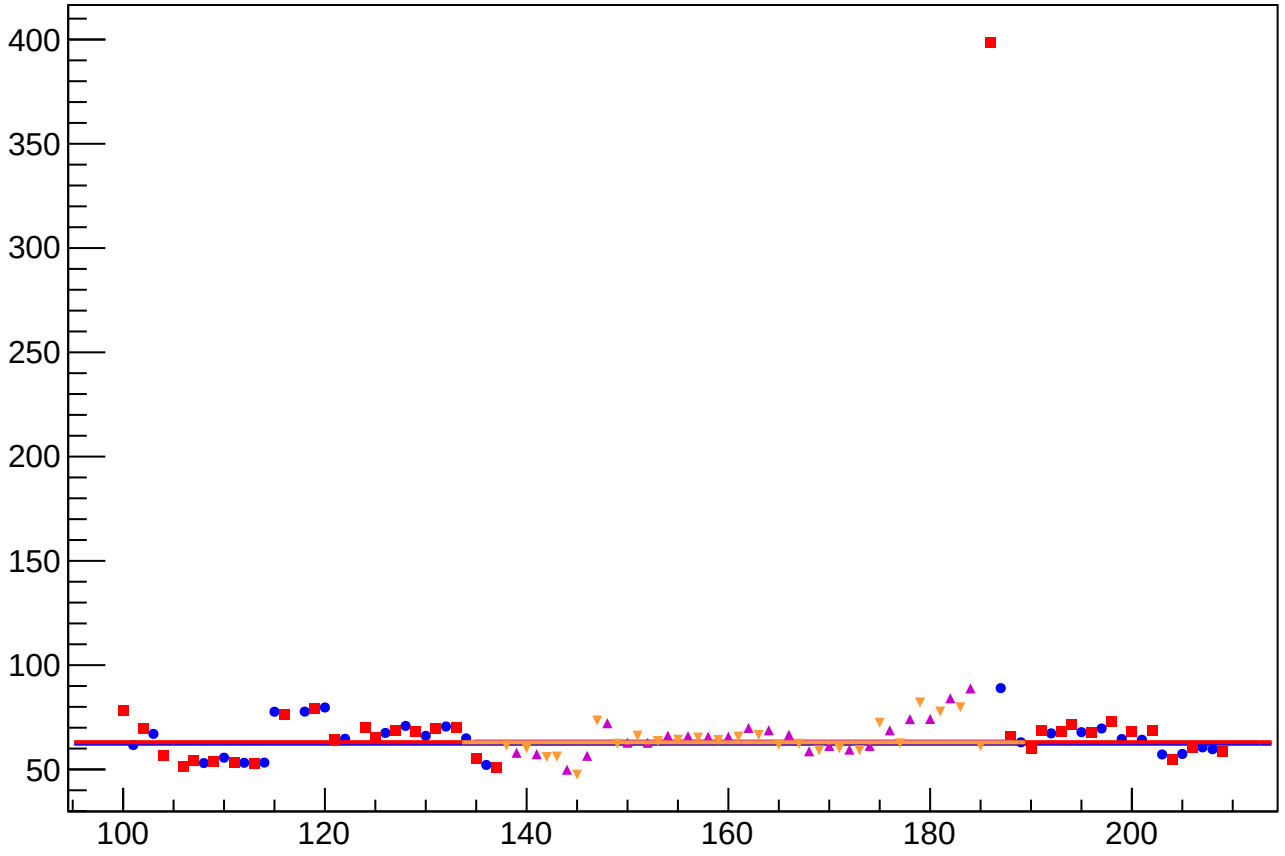
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.560+/-10.653 χ^2/NDF: 76.9/51

All: -4.547+/-7.562 χ^2/NDF: 134.0/106

- sign -4.534+/-10.735 χ^2/NDF: 57.1/54

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

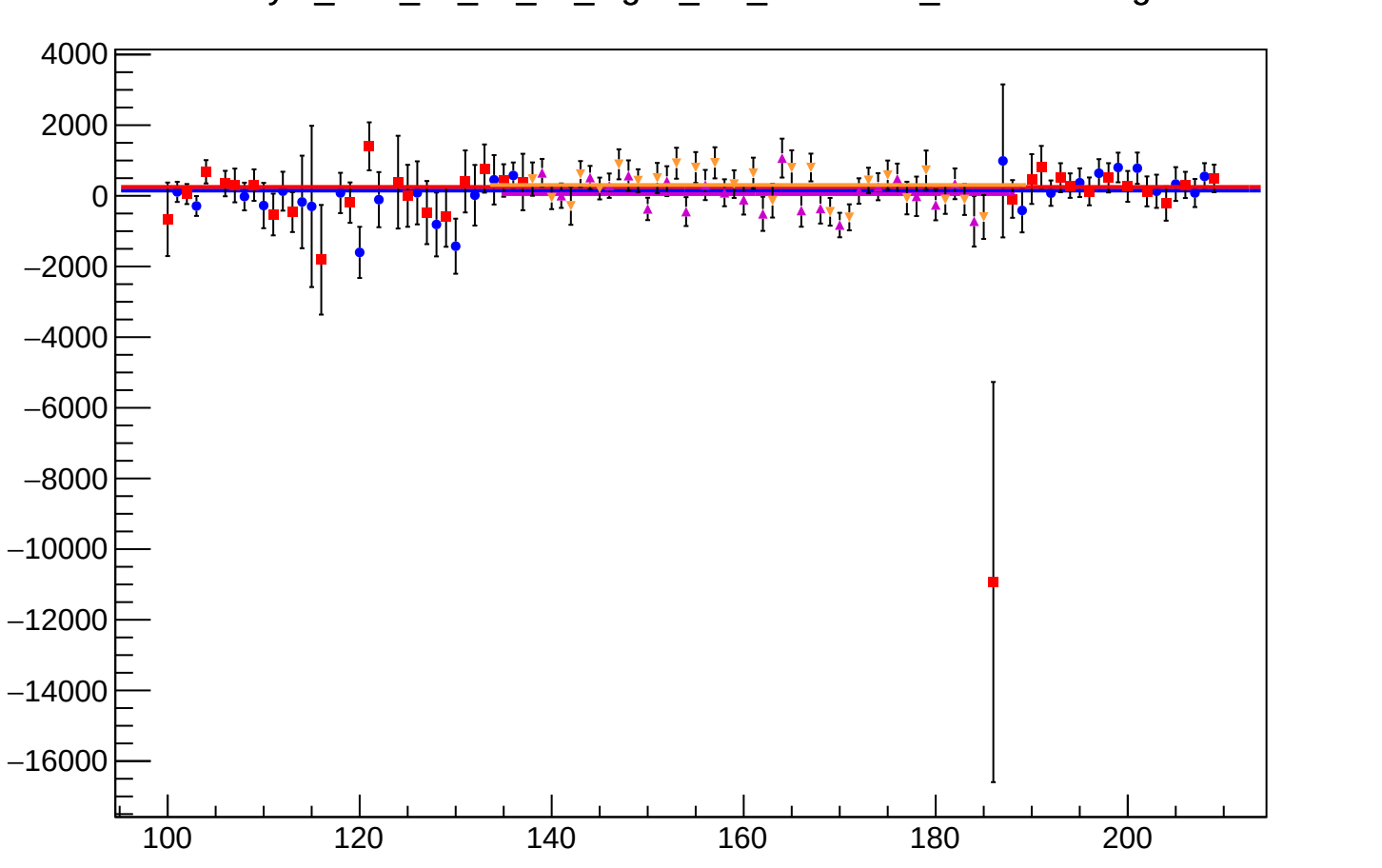
Right Out: 63.070+/-0.011 χ^2/NDF: 1028849.3/31

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.679+/-0.008 χ^2/NDF: 907084.6/51

All: 62.949+/-0.005 χ^2/NDF: 2435820.2/106

- sign 63.223+/-0.008 χ^2/NDF: 1526152.8/54



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

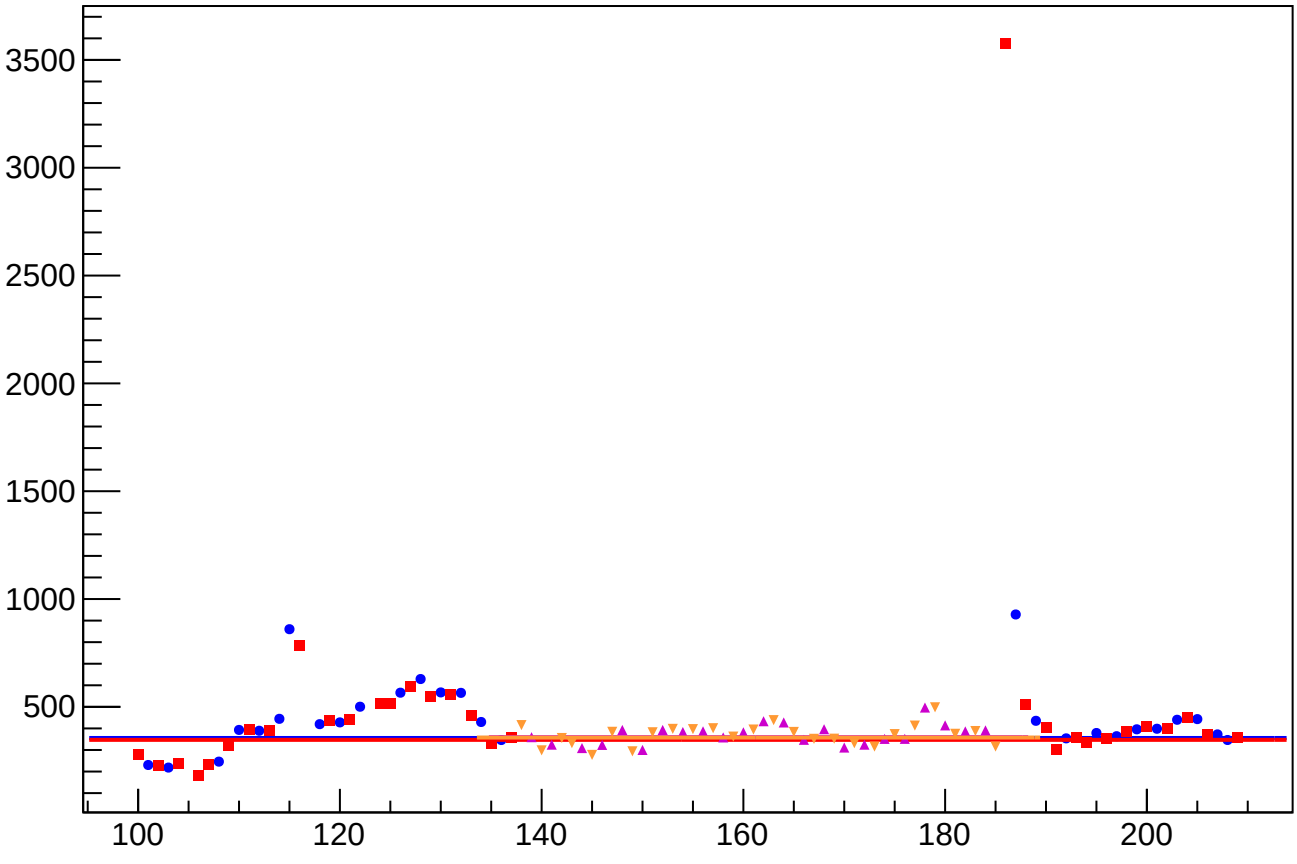
Right Out: 252.501+/-87.914 χ^2/NDF: 21.8/31

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 237.769+/-61.679 χ^2/NDF: 56.8/51

All: 192.251+/-43.389 χ^2/NDF: 109.7/106

- sign 147.660+/-61.048 χ^2/NDF: 51.8/54



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.969+/-0.062 χ^2/NDF: 3002655.5/31

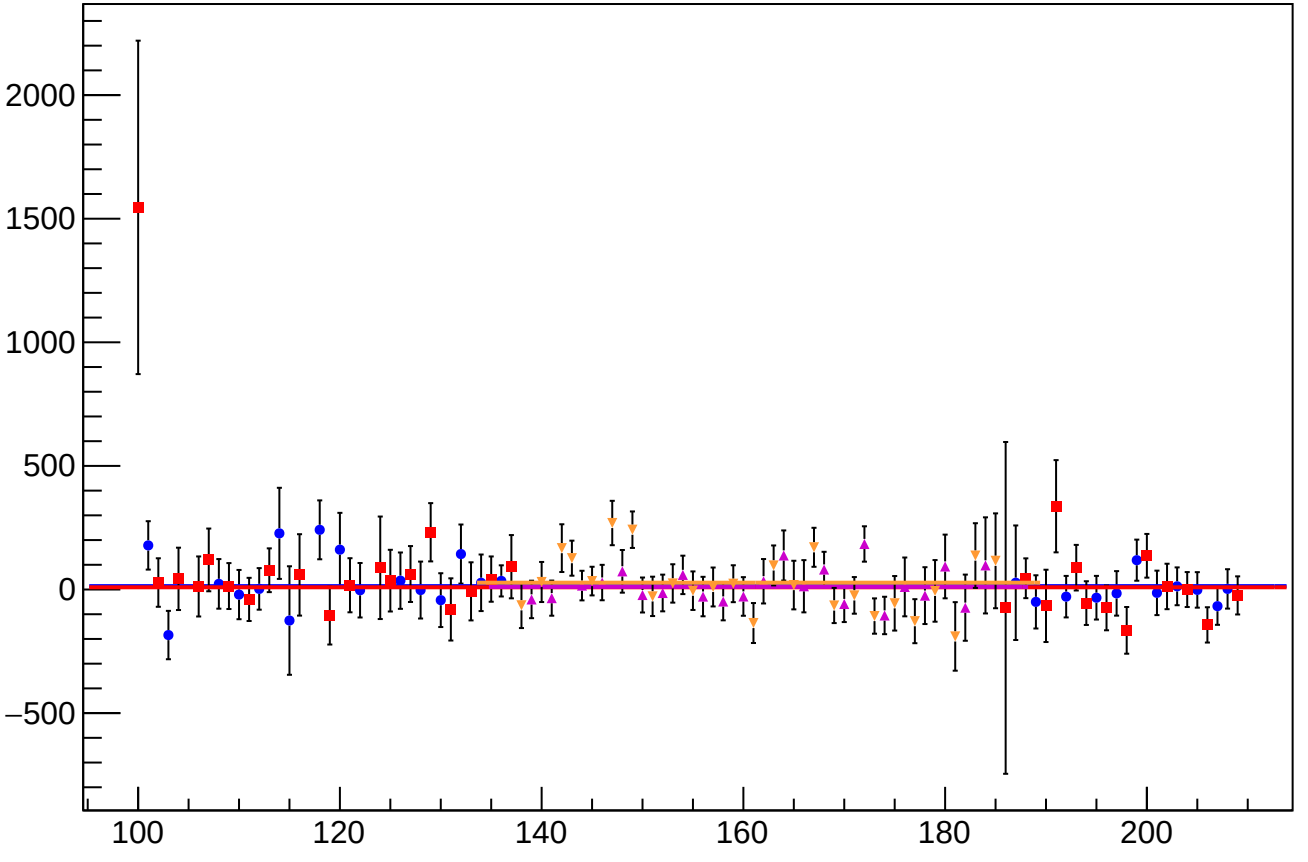
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.828+/-0.044 χ^2/NDF: 2875293.5/51

All: 355.087+/-0.031 χ^2/NDF: 6421408.2/106

- sign 353.380+/-0.043 χ^2/NDF: 3542956.7/54

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 9.005+/-18.434 χ^2/NDF: 29.0/31

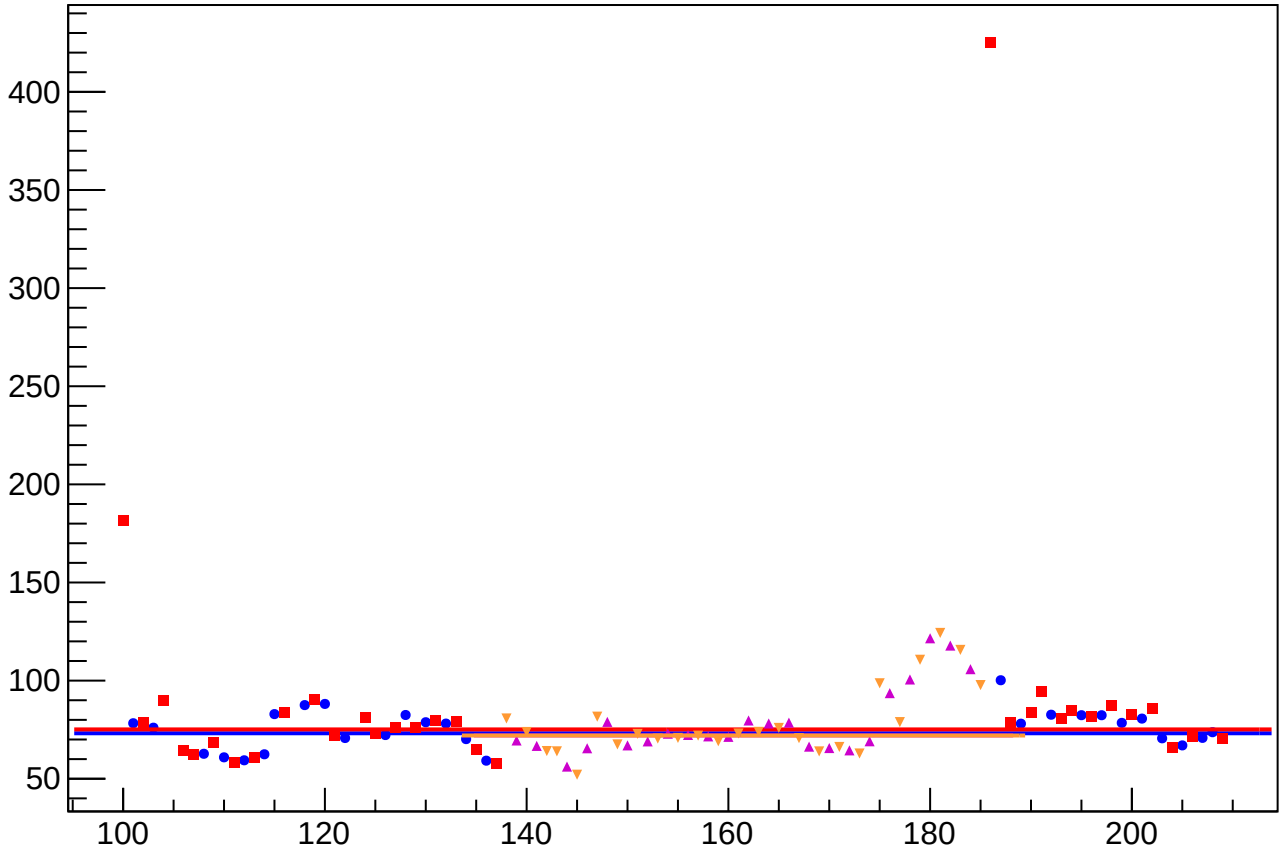
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 21.393+/-12.437 χ^2/NDF: 61.7/51

All: 15.672+/-8.846 χ^2/NDF: 107.2/106

- sign 9.814+/-12.586 χ^2/NDF: 45.1/54

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.173+/-0.013 χ^2/NDF: 435474.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.139+/-0.013 χ^2/NDF: 1102732.8/31

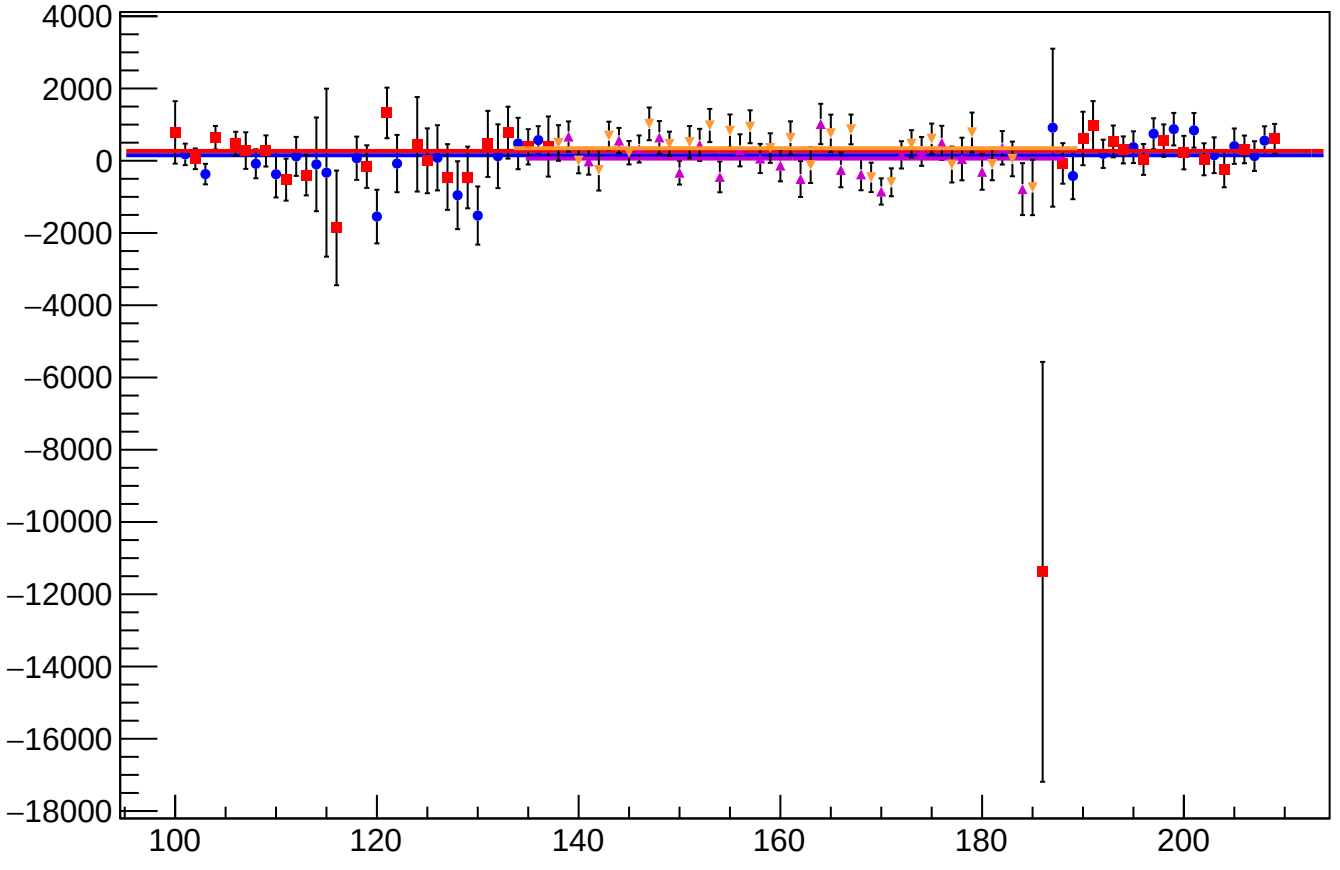
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.548+/-0.009 χ^2/NDF: 1709044.3/51

All: 73.025+/-0.006 χ^2/NDF: 3905747.5/106

- sign 73.512+/-0.009 χ^2/NDF: 2190762.1/54

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 270.539+/-90.389 χ^2/NDF: 21.3/31

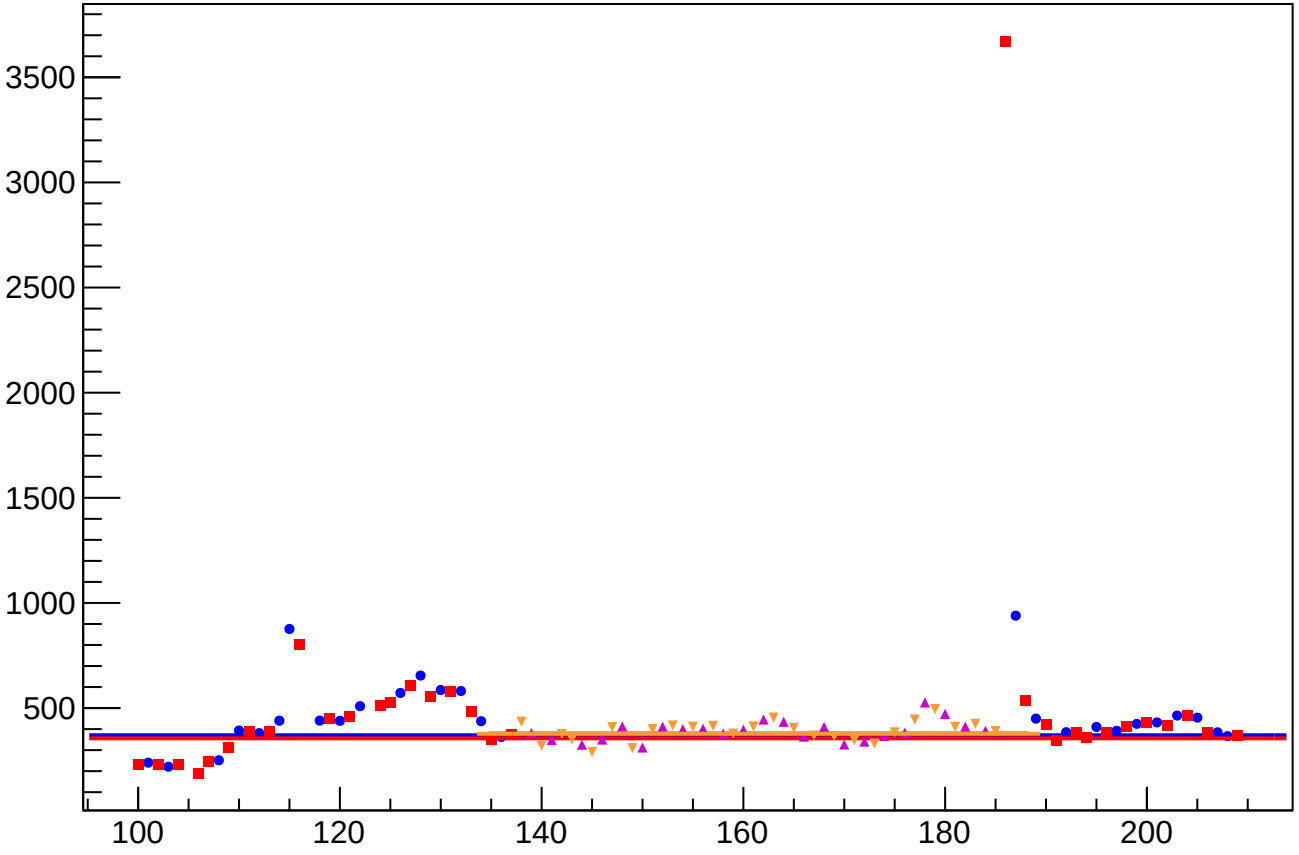
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 259.846+/-64.703 χ^2/NDF: 57.1/51

All: 211.113+/-45.345 χ^2/NDF: 108.1/106

- sign 164.079+/-63.566 χ^2/NDF: 49.9/54

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 370.611+/-0.069 χ^2/NDF: 2262968.8/26

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 356.181+/-0.064 χ^2/NDF: 3265455.2/31

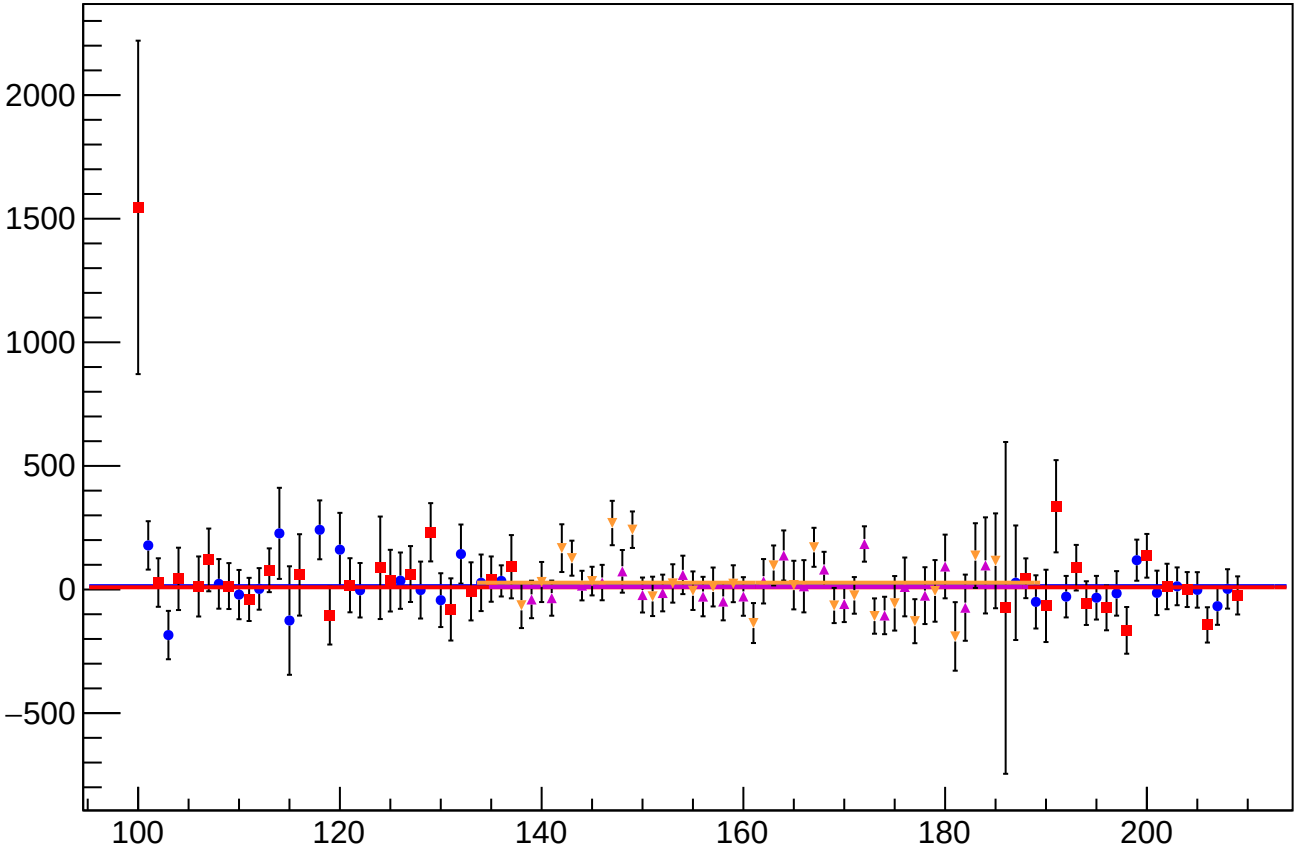
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 374.602+/-0.046 χ^2/NDF: 2905775.1/51

All: 371.063+/-0.032 χ^2/NDF: 6774360.1/106

- sign 367.648+/-0.045 χ^2/NDF: 3856831.3/54

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 9.005+/-18.434 χ^2/NDF: 29.0/31

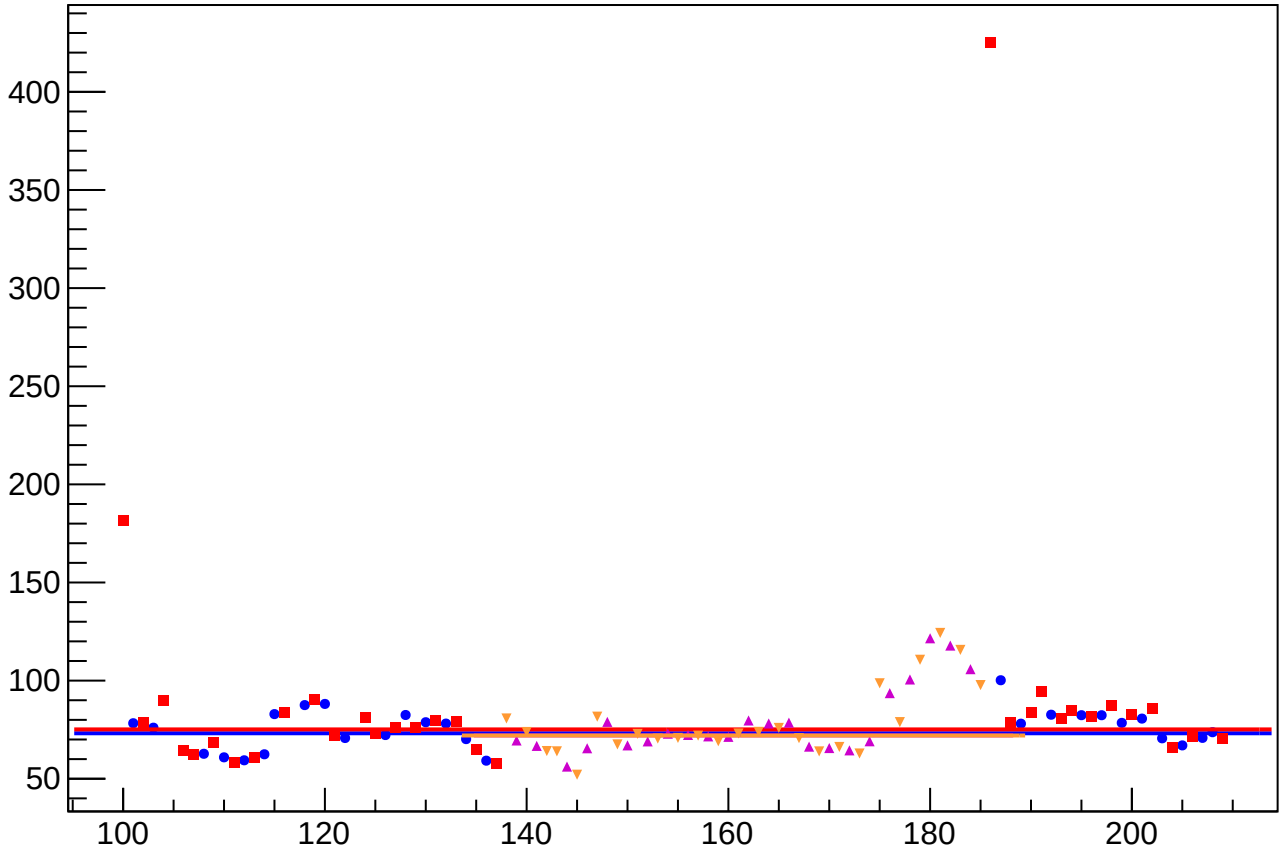
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 21.392+/-12.437 χ^2/NDF: 61.7/51

All: 15.672+/-8.846 χ^2/NDF: 107.2/106

- sign 9.814+/-12.586 χ^2/NDF: 45.1/54

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.173+/-0.013 χ^2/NDF: 435472.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

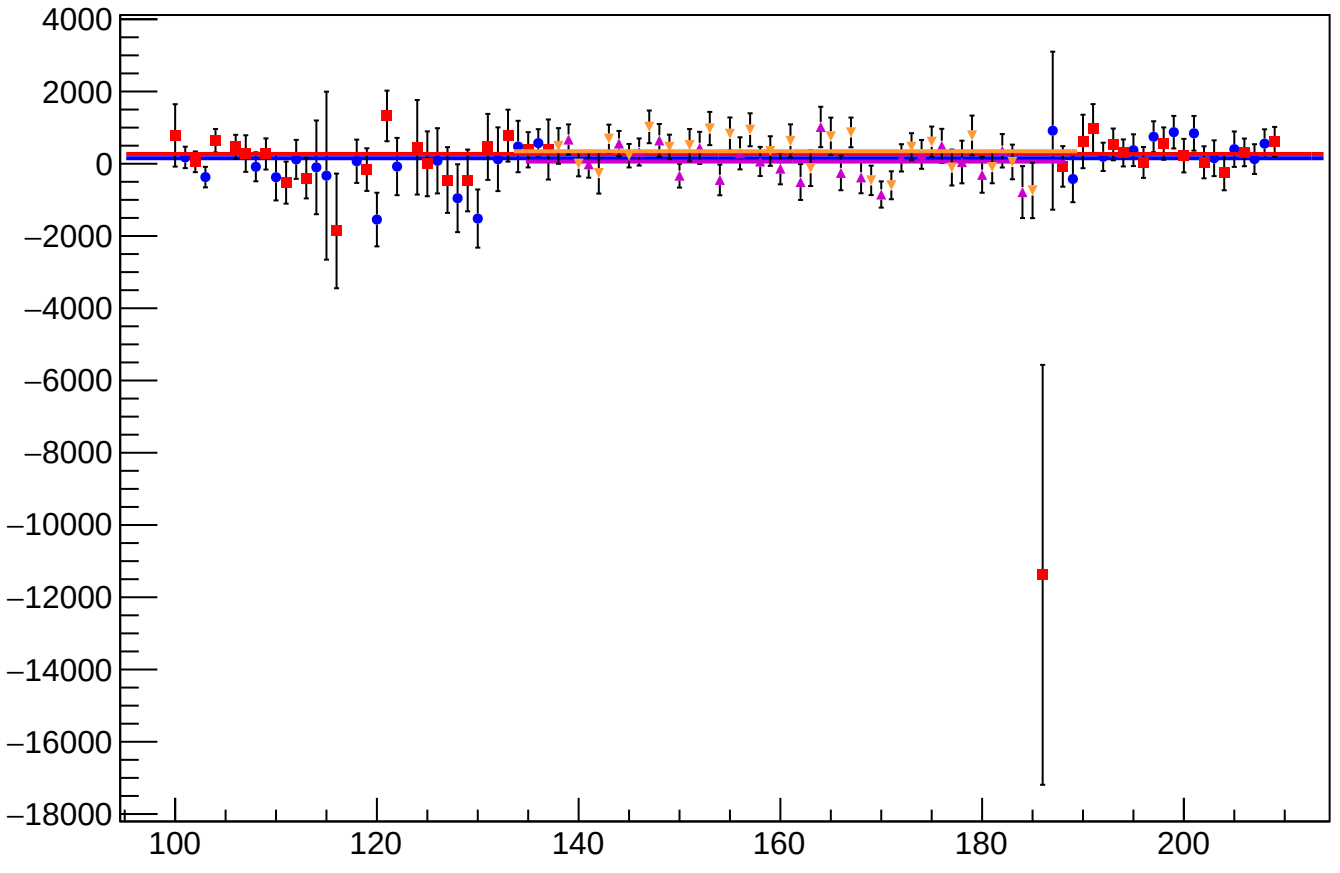
Right Out: 75.139+/-0.013 χ^2/NDF: 1102733.4/31

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.548+/-0.009 χ^2/NDF: 1709049.8/51

All: 73.024+/-0.006 χ^2/NDF: 3905743.6/106

- sign 73.512+/-0.009 χ^2/NDF: 2190752.9/54



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

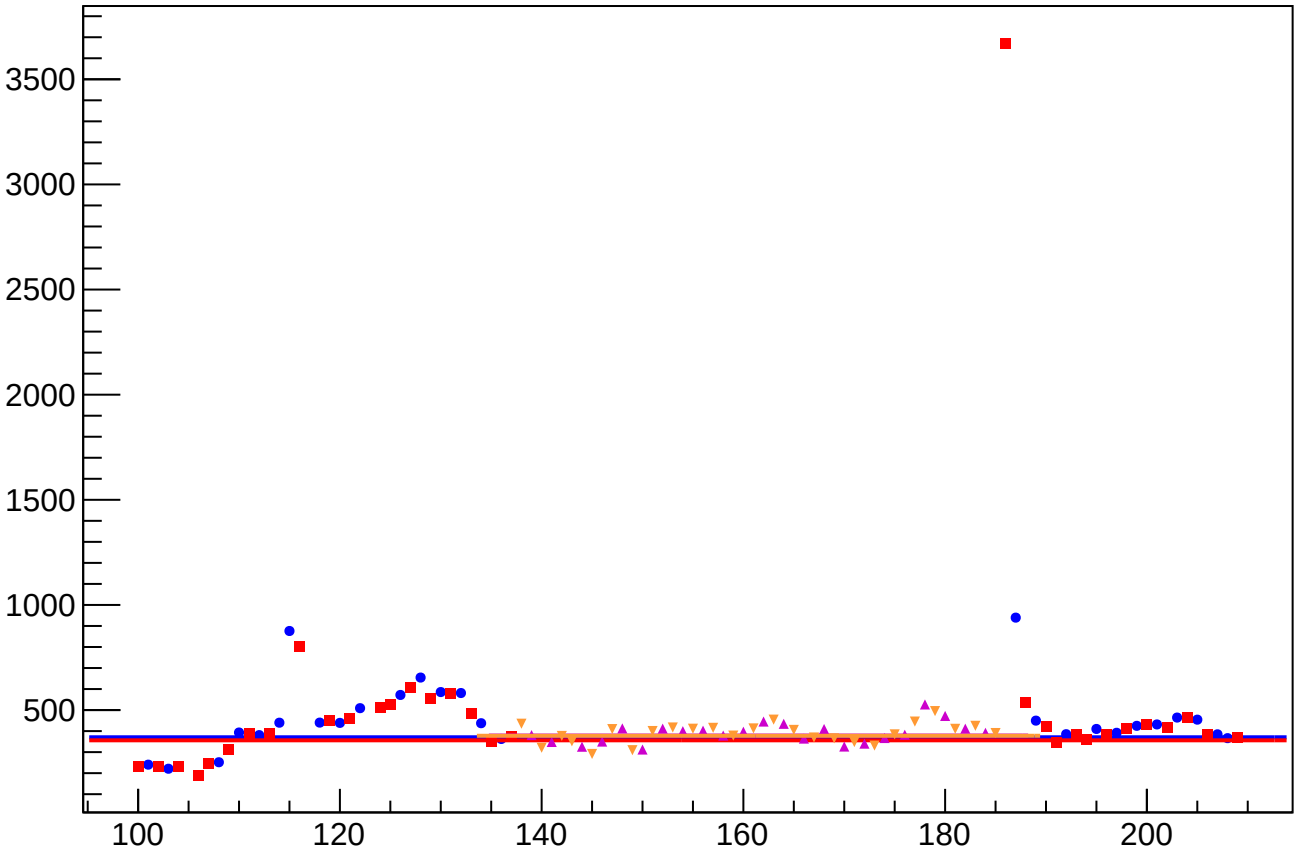
Right Out: 270.538+/-90.388 χ^2/NDF: 21.3/31

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 259.845+/-64.703 χ^2/NDF: 57.1/51

All: 211.113+/-45.345 χ^2/NDF: 108.1/106

- sign 164.078+/-63.566 χ^2/NDF: 49.9/54



Right In: 370.611+/-0.069 χ^2/NDF: 2262958.8/26

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 356.181+/-0.064 χ^2/NDF: 3265442.1/31

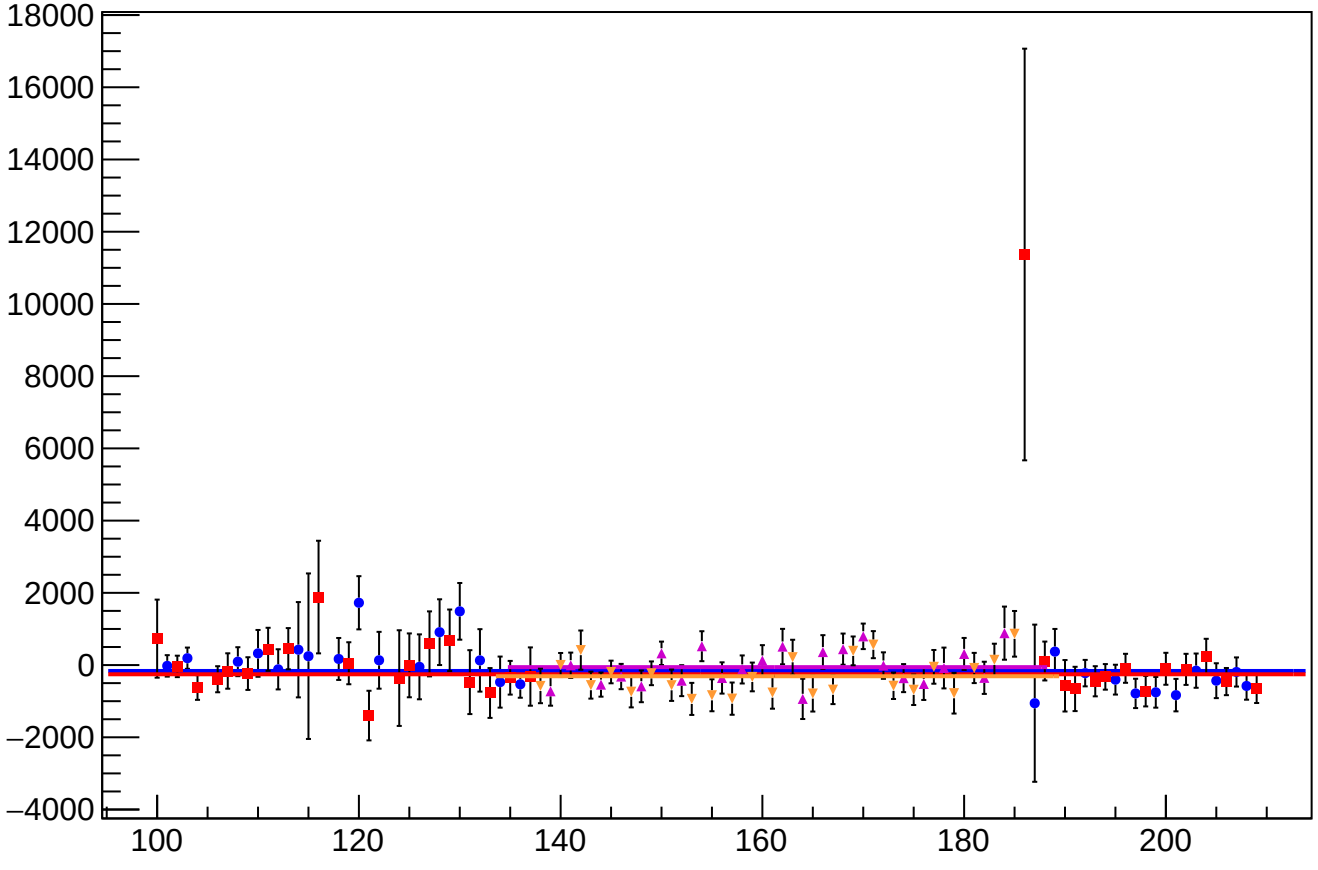
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 374.601+/-0.046 χ^2/NDF: 2905764.4/51

All: 371.063+/-0.032 χ^2/NDF: 6774331.3/106

- sign 367.648+/-0.045 χ^2/NDF: 3856813.1/54

asym_sam_37_48_dd_mean vs Slug



Right In: -163.507+/-94.963 χ^2/NDF: 26.3/26

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -255.013+/-89.592 χ^2/NDF: 22.8/31

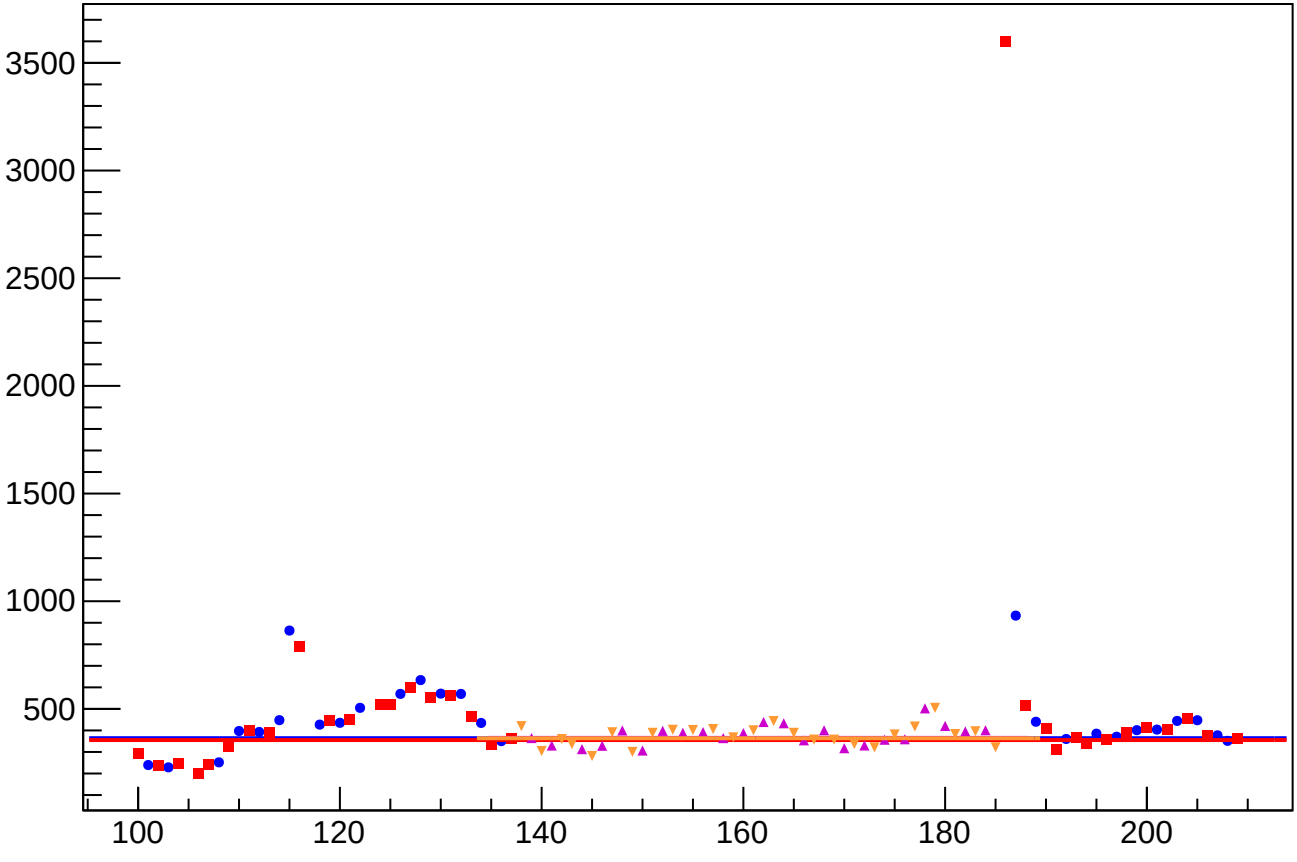
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -245.570+/-62.793 χ^2/NDF: 57.6/51

All: -198.537+/-44.164 χ^2/NDF: 112.1/106

- sign -152.498+/-62.126 χ^2/NDF: 53.3/54

asym_sam_37_48_dd_rms vs Slug



Right In: 363.897+/-0.067 χ^2/NDF: 2031619.3/26

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

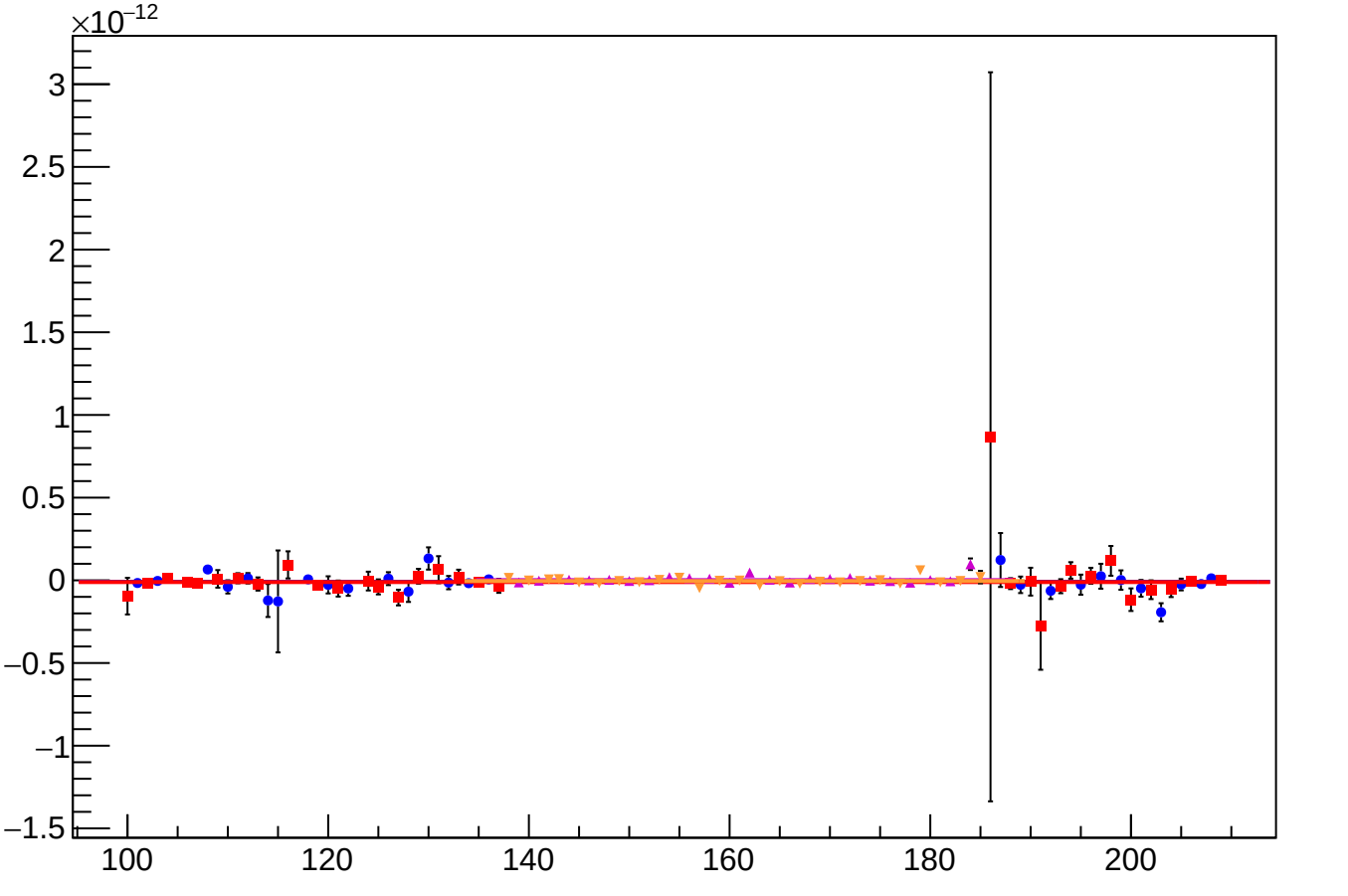
Right Out: 355.388+/-0.063 χ^2/NDF: 2804617.9/31

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 363.794+/-0.044 χ^2/NDF: 2700868.2/51

All: 362.153+/-0.031 χ^2/NDF: 6030457.3/106

- sign 360.546+/-0.044 χ^2/NDF: 3326885.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

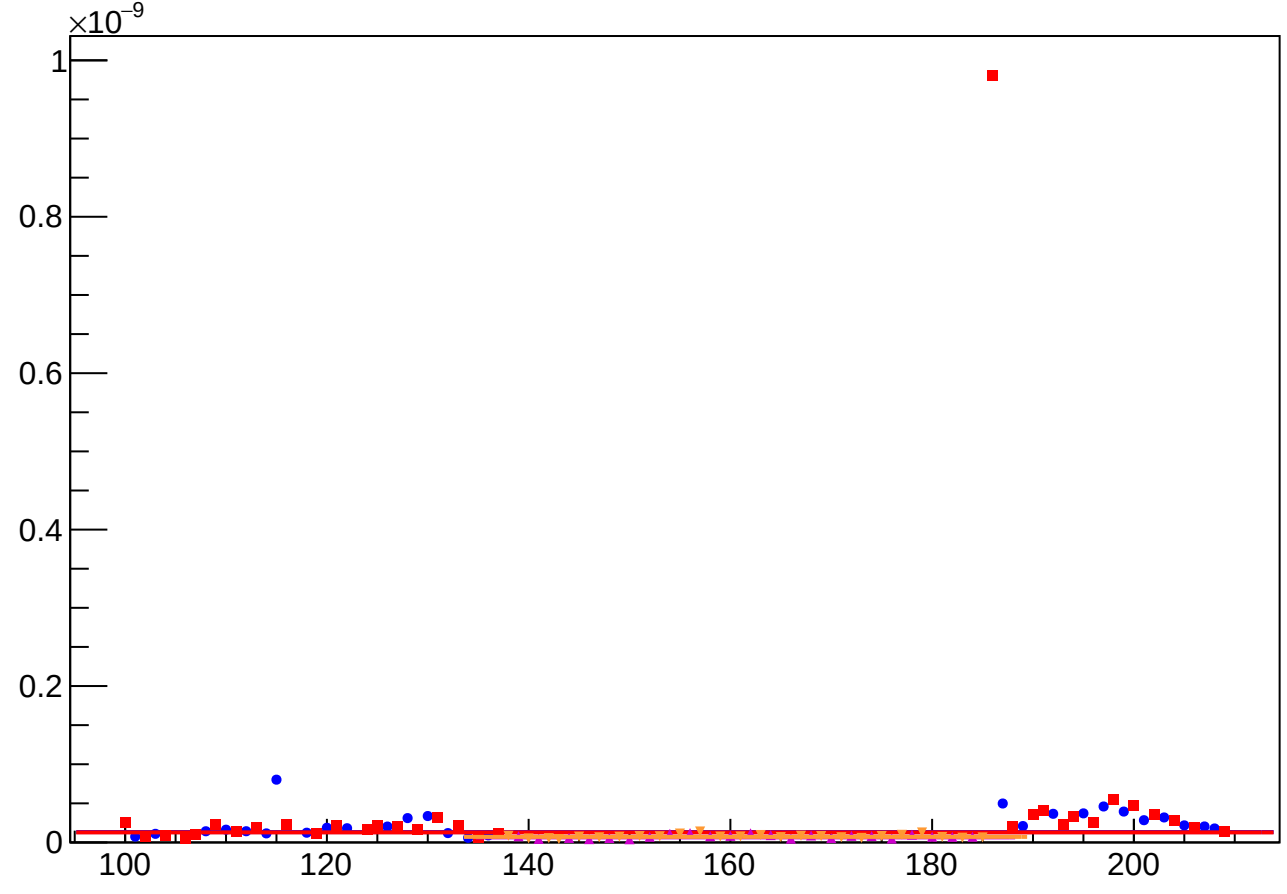
Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/31

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/51

All: -0.000+/-0.000 χ^2/NDF: 104.5/106

- sign -0.000+/-0.000 χ^2/NDF: 48.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 3951814.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4688433.7/31

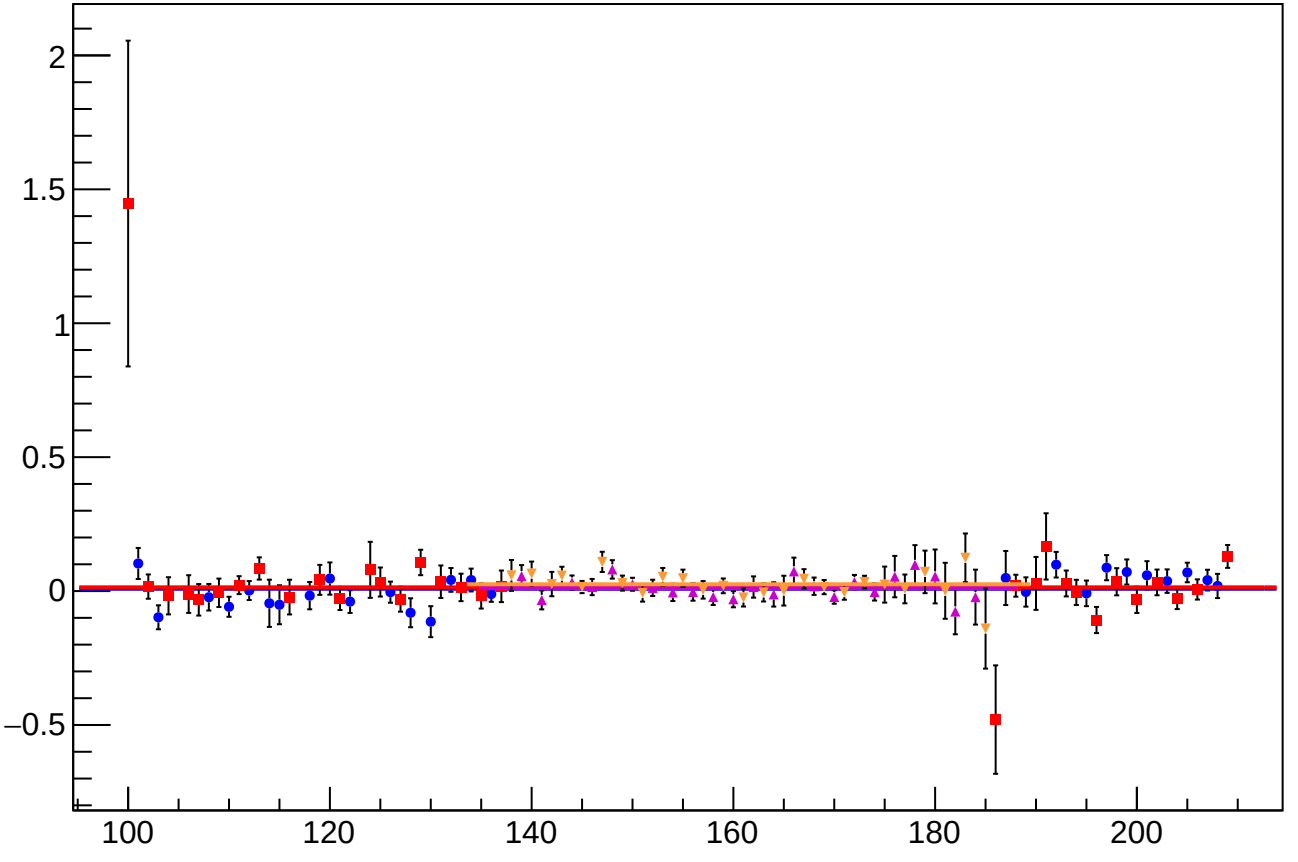
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6673654.0/51

All: 0.000+/-0.000 χ^2/NDF: 14755144.1/106

- sign 0.000+/-0.000 χ^2/NDF: 8022170.7/54

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.014+/-0.009 χ^2/NDF: 40.7/31

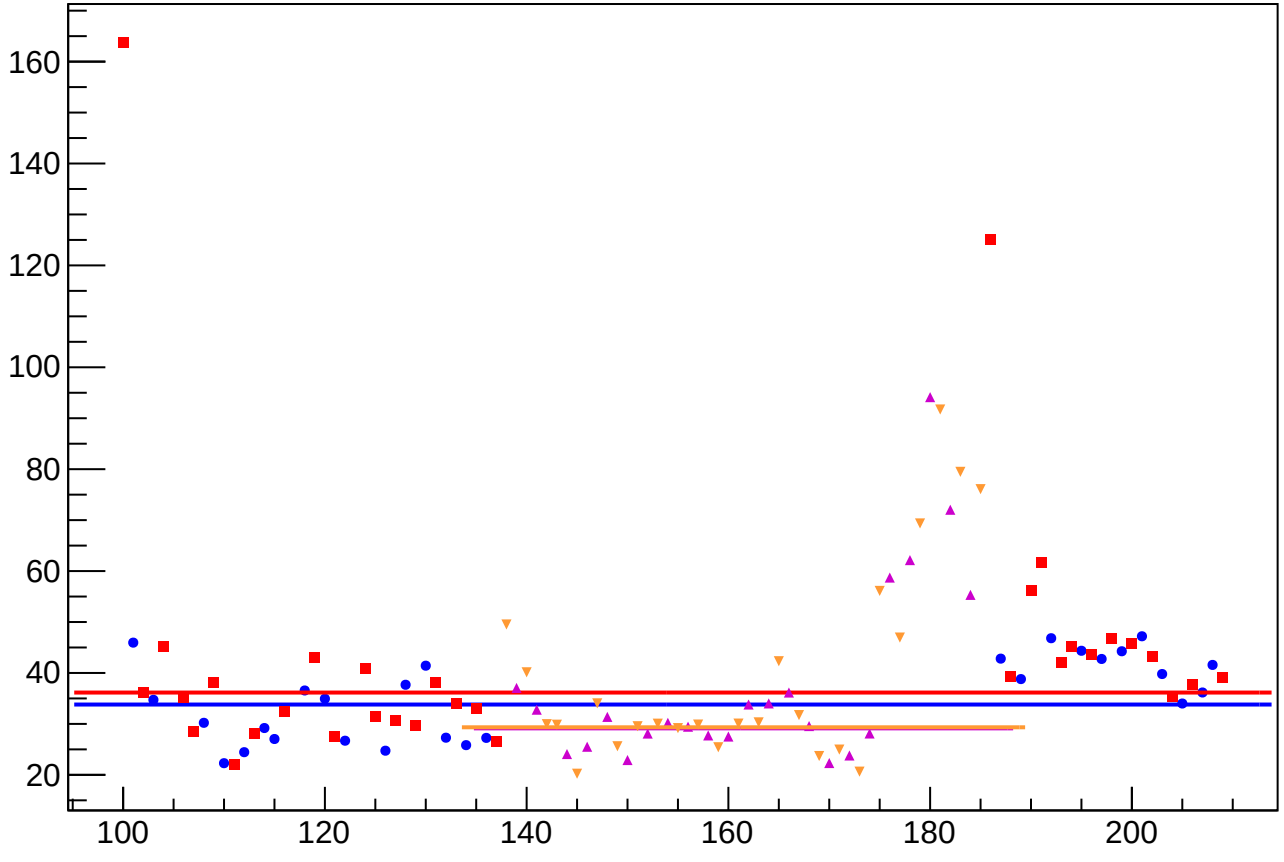
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.015+/-0.004 χ^2/NDF: 117.3/106

- sign 0.012+/-0.006 χ^2/NDF: 59.8/54

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

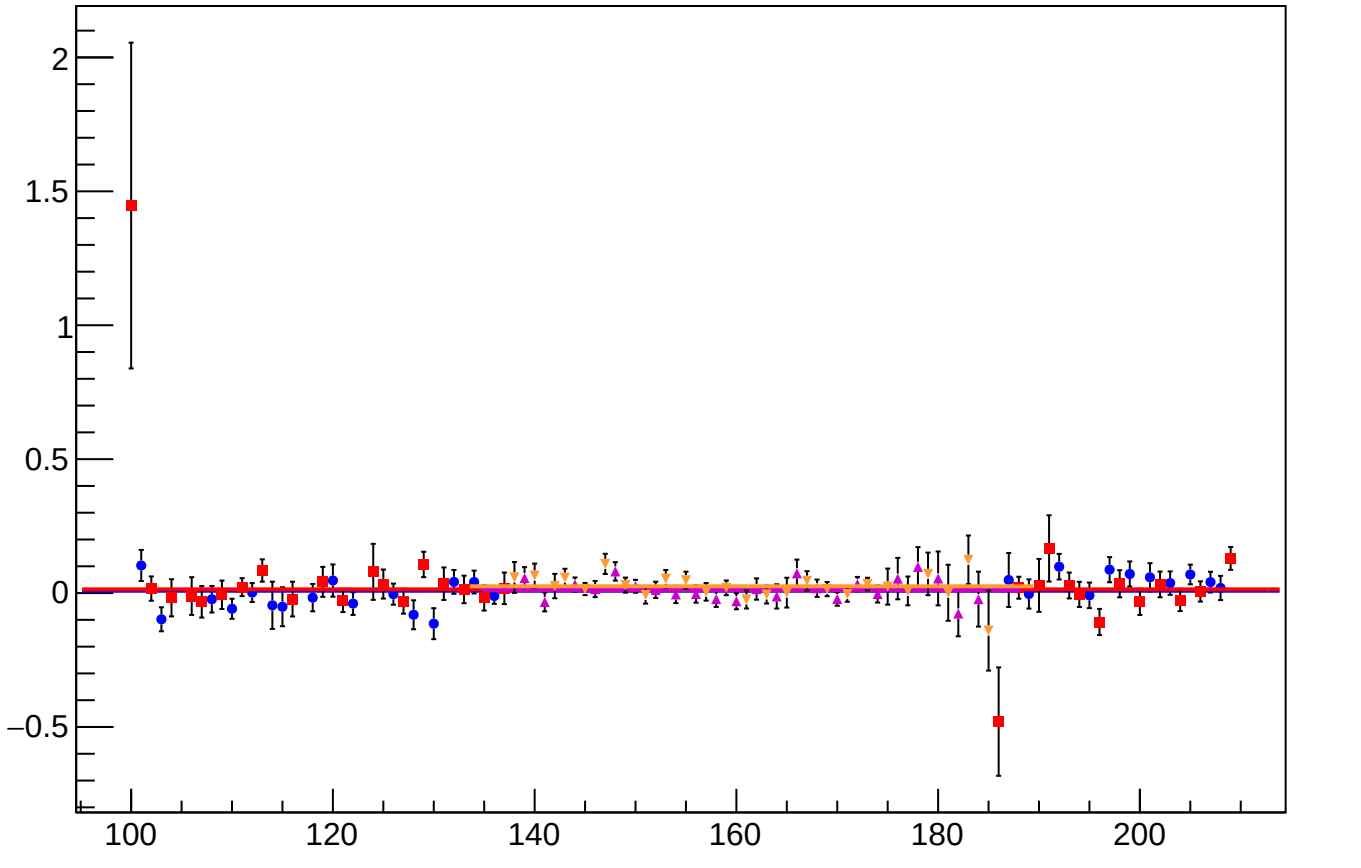
Right Out: 36.154+/-0.006 χ^2/NDF: 1791648.8/31

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744217.9/51

All: 31.484+/-0.003 χ^2/NDF: 11120428.7/106

- sign 31.877+/-0.004 χ^2/NDF: 5357555.1/54



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

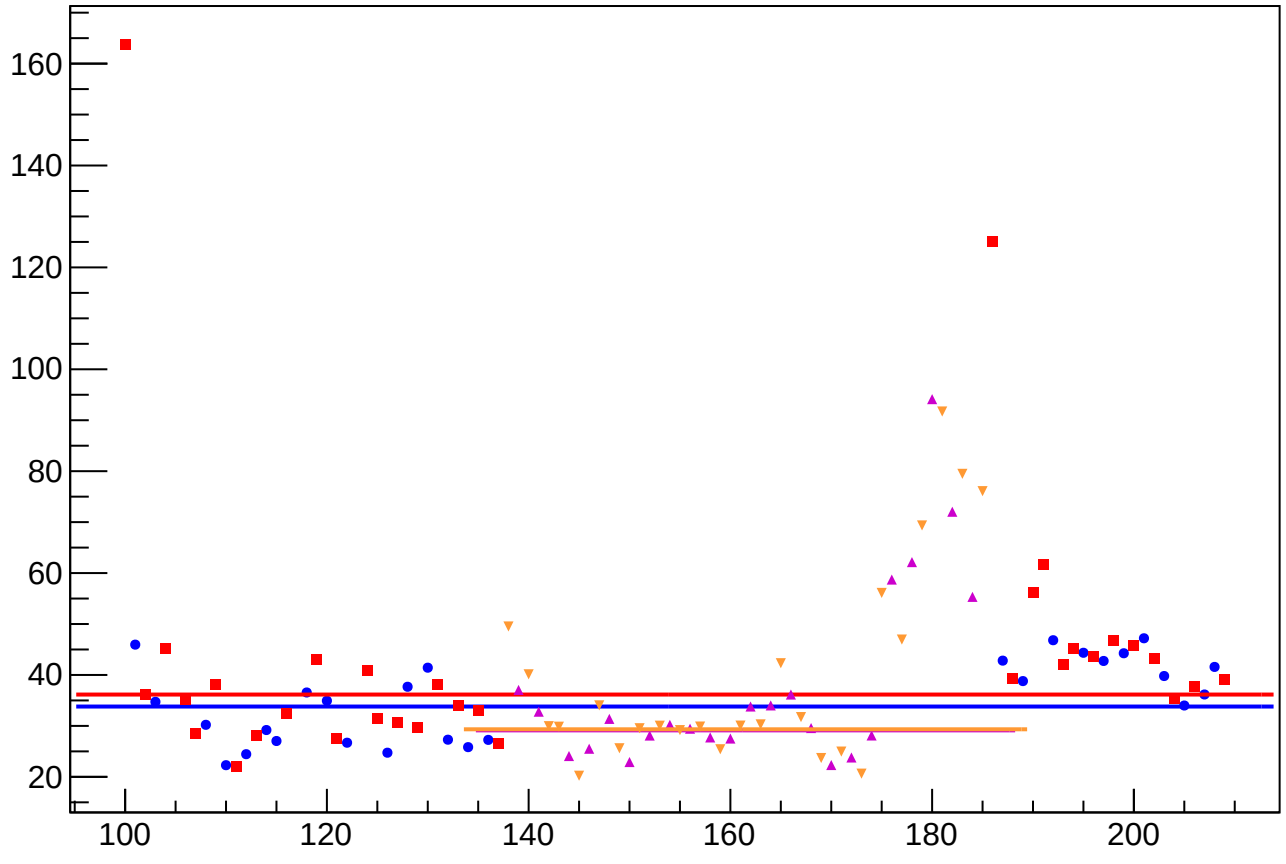
Right Out: 0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.015+/-0.004 χ^2/NDF: 117.3/106

- sign 0.012+/-0.006 χ^2/NDF: 59.8/54



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

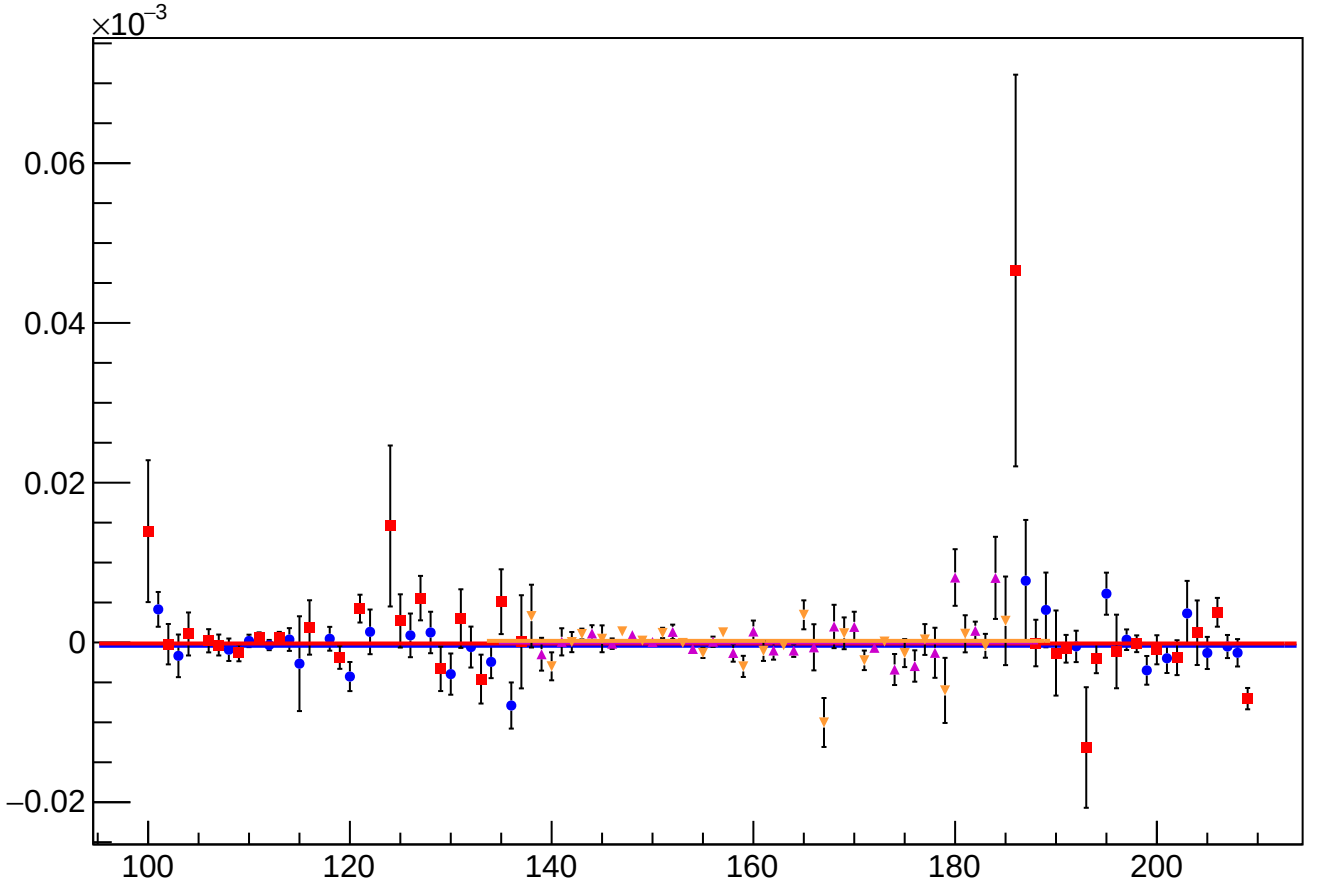
Right Out: 36.154+/-0.006 χ^2/NDF: 1791648.8/31

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744217.9/51

All: 31.484+/-0.003 χ^2/NDF: 11120428.7/106

- sign 31.877+/-0.004 χ^2/NDF: 5357555.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

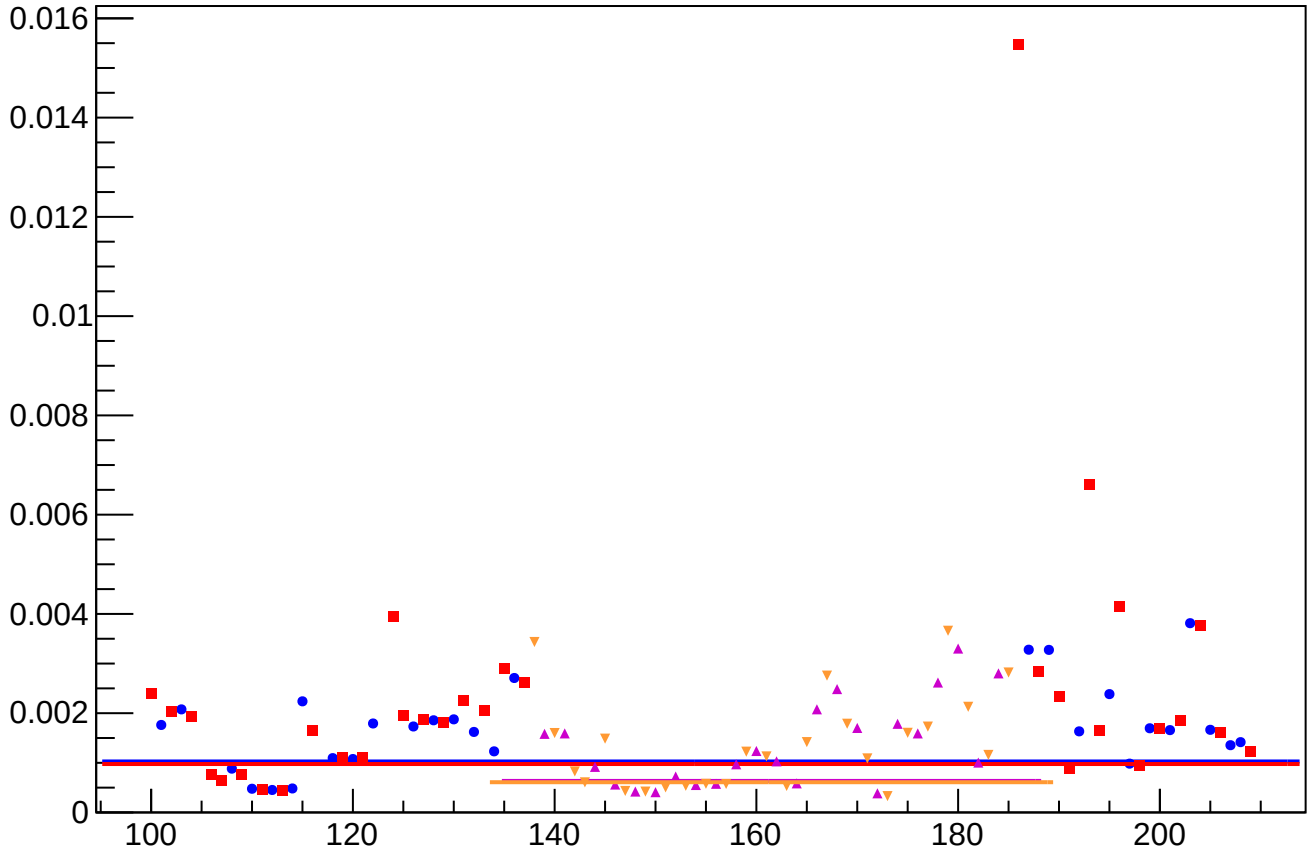
Right Out: -0.000+/-0.000 χ^2/NDF: 67.7/31

Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.5/51

All: 0.000+/-0.000 χ^2/NDF: 191.5/106

- sign -0.000+/-0.000 χ^2/NDF: 100.8/54



Right In: 0.001+/-0.000 χ^2/NDF: 8263430.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

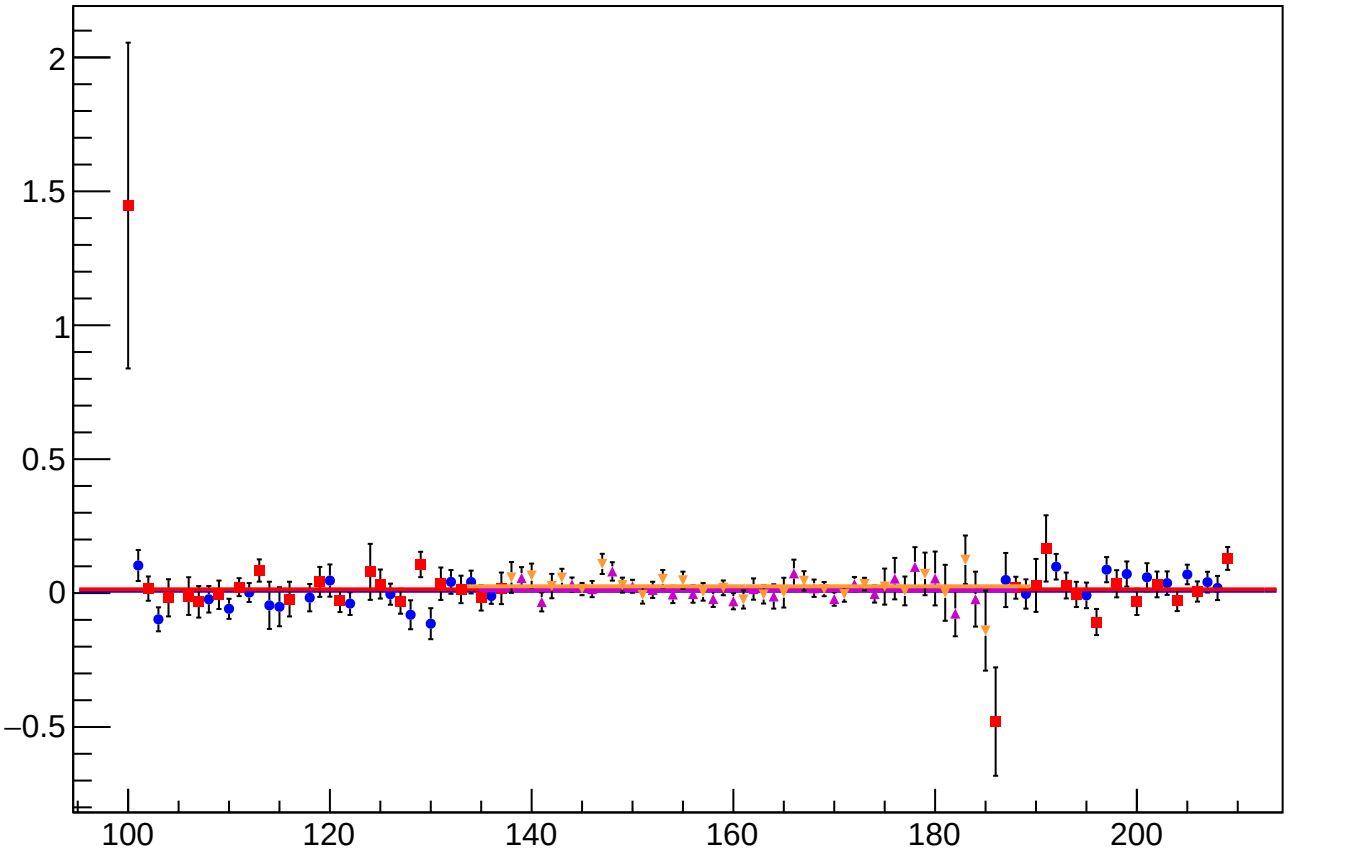
Right Out: 0.001+/-0.000 χ^2/NDF: 11154712.5/31

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 21967768.2/51

All: 0.001+/-0.000 χ^2/NDF: 44456112.6/106

- sign 0.001+/-0.000 χ^2/NDF: 22458960.7/54



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

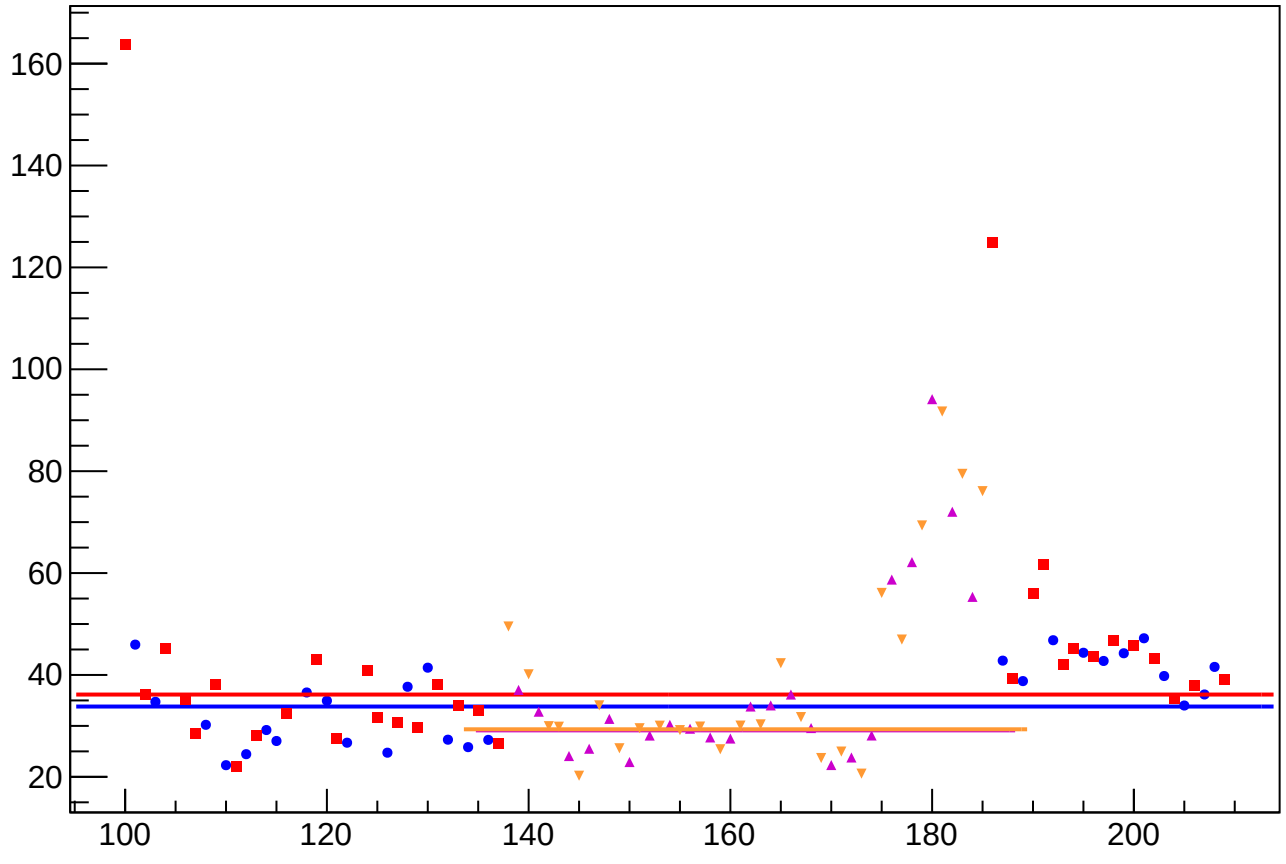
Right Out: 0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.015+/-0.004 χ^2/NDF: 117.3/106

- sign 0.012+/-0.006 χ^2/NDF: 59.8/54



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

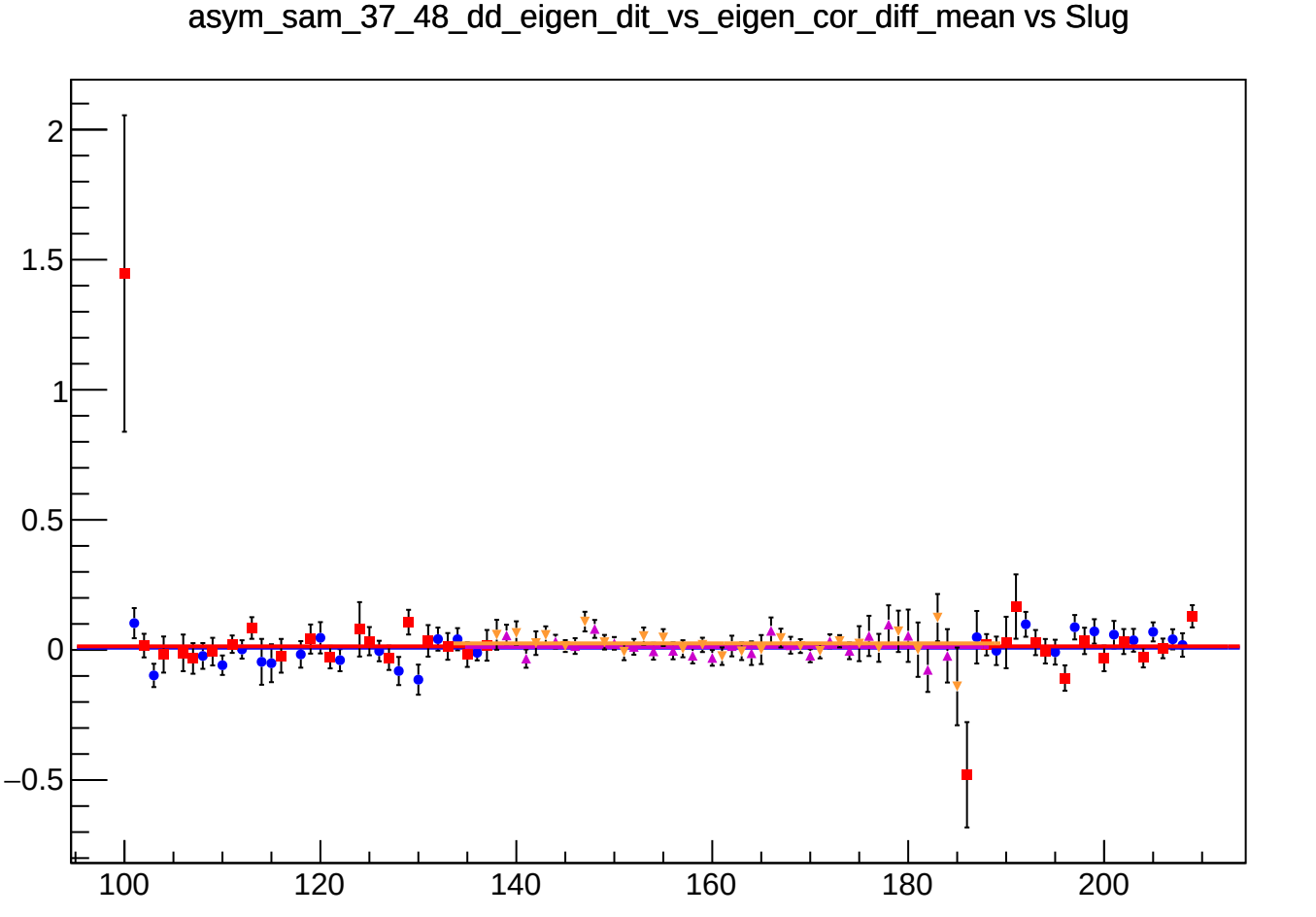
Right Out: 36.154+/-0.006 χ^2/NDF: 1791549.0/31

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744250.2/51

All: 31.484+/-0.003 χ^2/NDF: 11120377.8/106

- sign 31.877+/-0.004 χ^2/NDF: 5357470.3/54



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

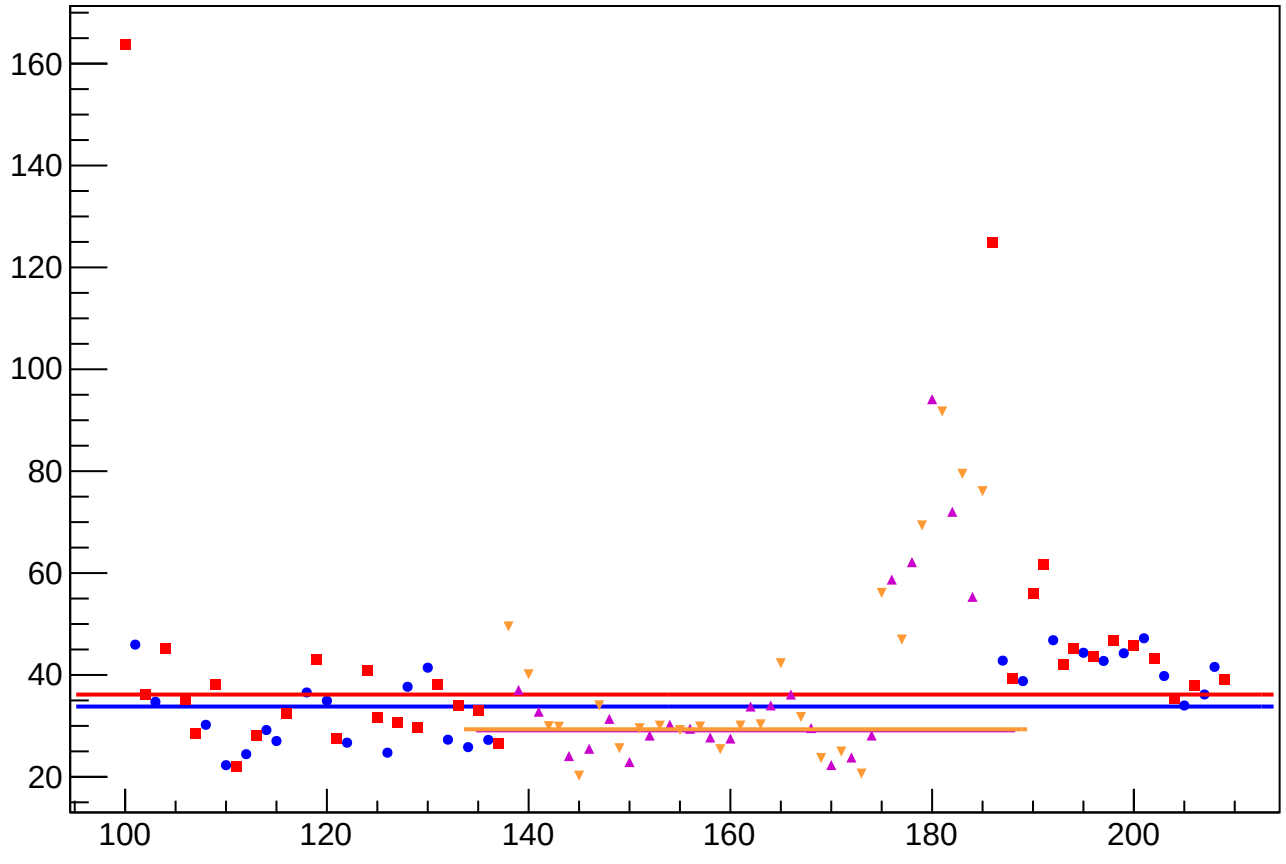
Right Out: 0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.019+/-0.006 χ^2/NDF: 56.8/51

All: 0.015+/-0.004 χ^2/NDF: 117.3/106

- sign 0.012+/-0.006 χ^2/NDF: 59.8/54



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

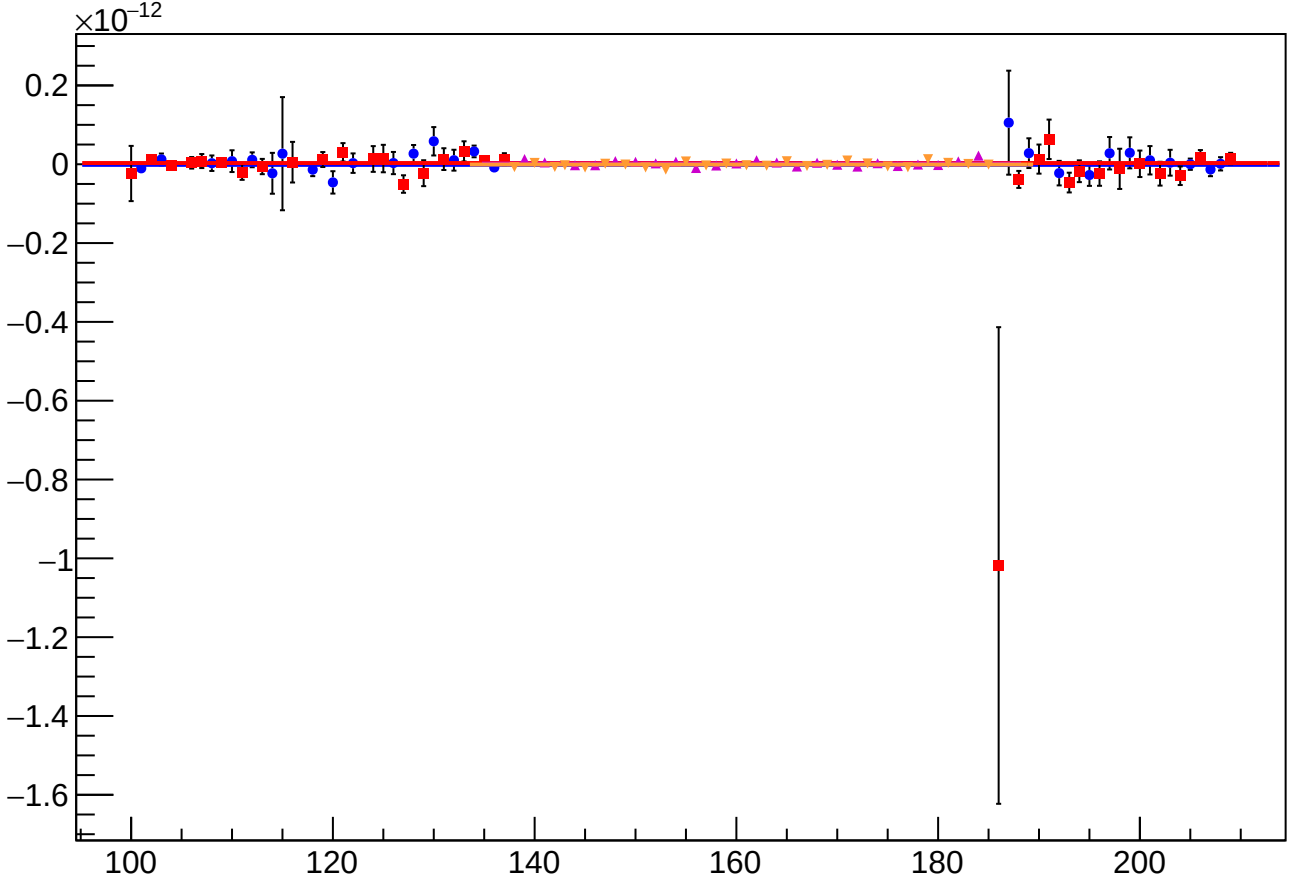
Right Out: 36.154+/-0.006 χ^2/NDF: 1791549.0/31

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.107+/-0.004 χ^2/NDF: 5744250.2/51

All: 31.484+/-0.003 χ^2/NDF: 11120377.8/106

- sign 31.877+/-0.004 χ^2/NDF: 5357470.3/54



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/31

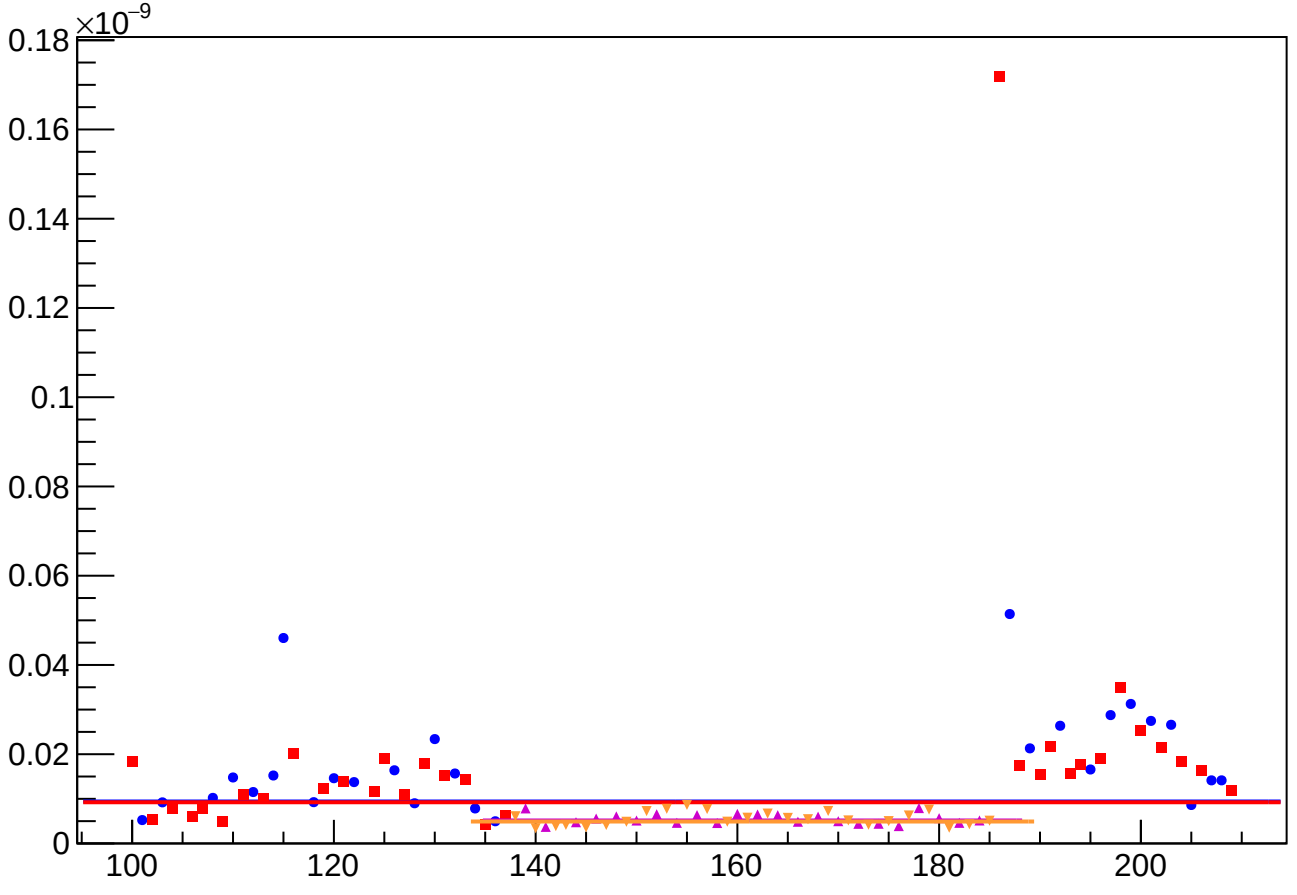
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/51

All: 0.000+/-0.000 χ^2/NDF: 86.3/106

- sign 0.000+/-0.000 χ^2/NDF: 47.9/54

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6017702.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5696207.6/31

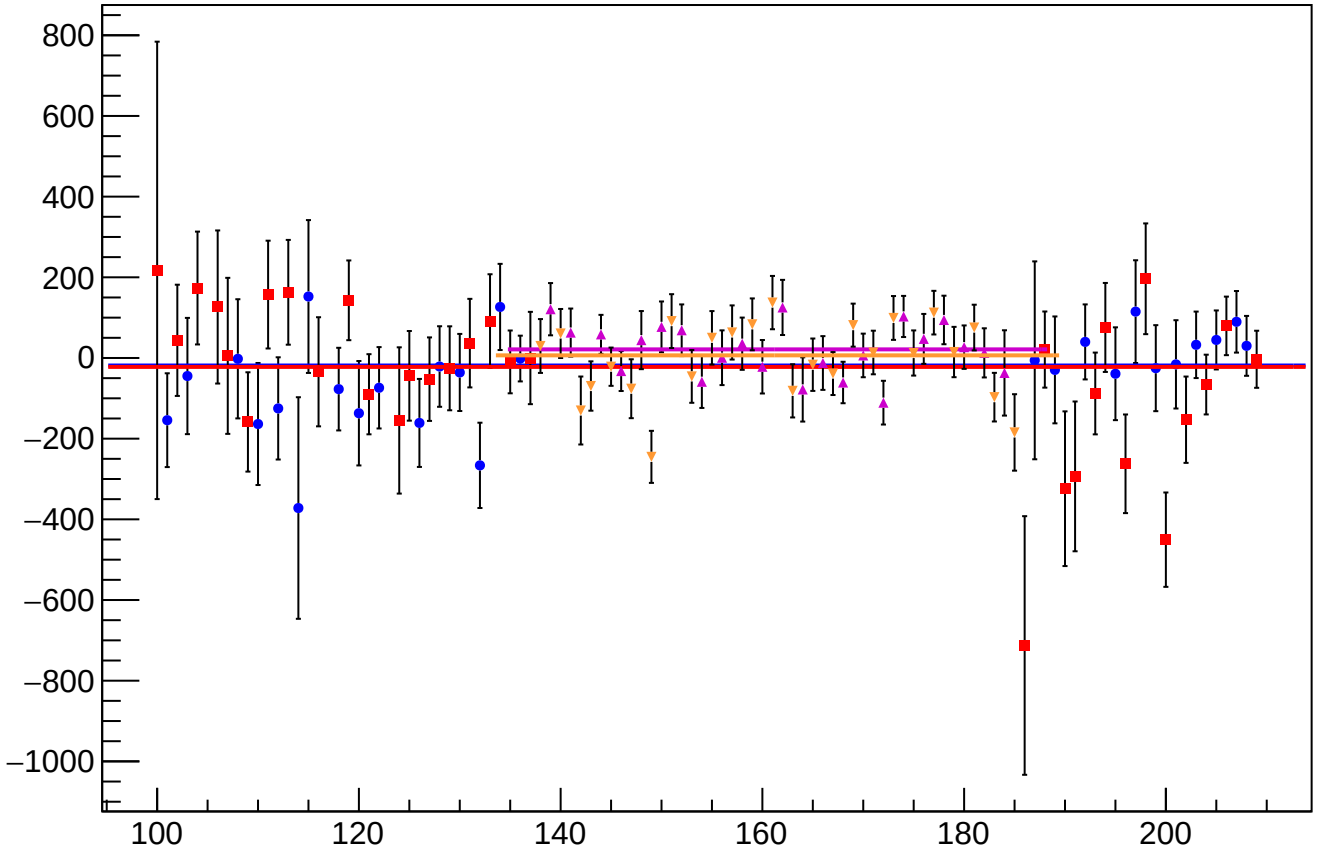
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10858258.6/51

All: 0.000+/-0.000 χ^2/NDF: 20193327.2/106

- sign 0.000+/-0.000 χ^2/NDF: 9292225.7/54

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -18.682+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -22.100+/-19.973 χ^2/NDF: 47.6/31

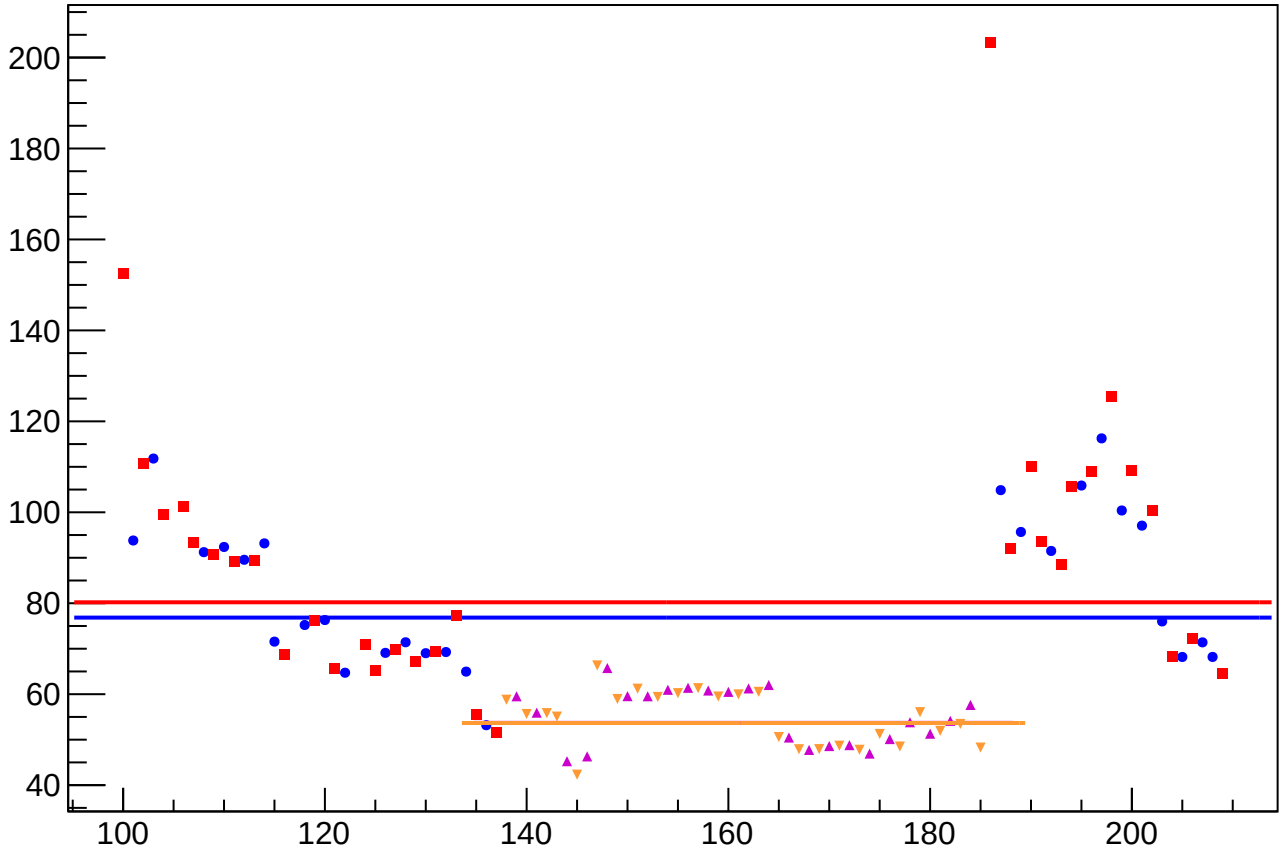
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -0.455+/-10.449 χ^2/NDF: 73.0/51

All: 4.118+/-7.471 χ^2/NDF: 149.8/106

- sign 8.901+/-10.686 χ^2/NDF: 76.4/54

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843+/-0.014 χ^2/NDF: 1338151.6/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.209+/-0.014 χ^2/NDF: 1939814.1/31

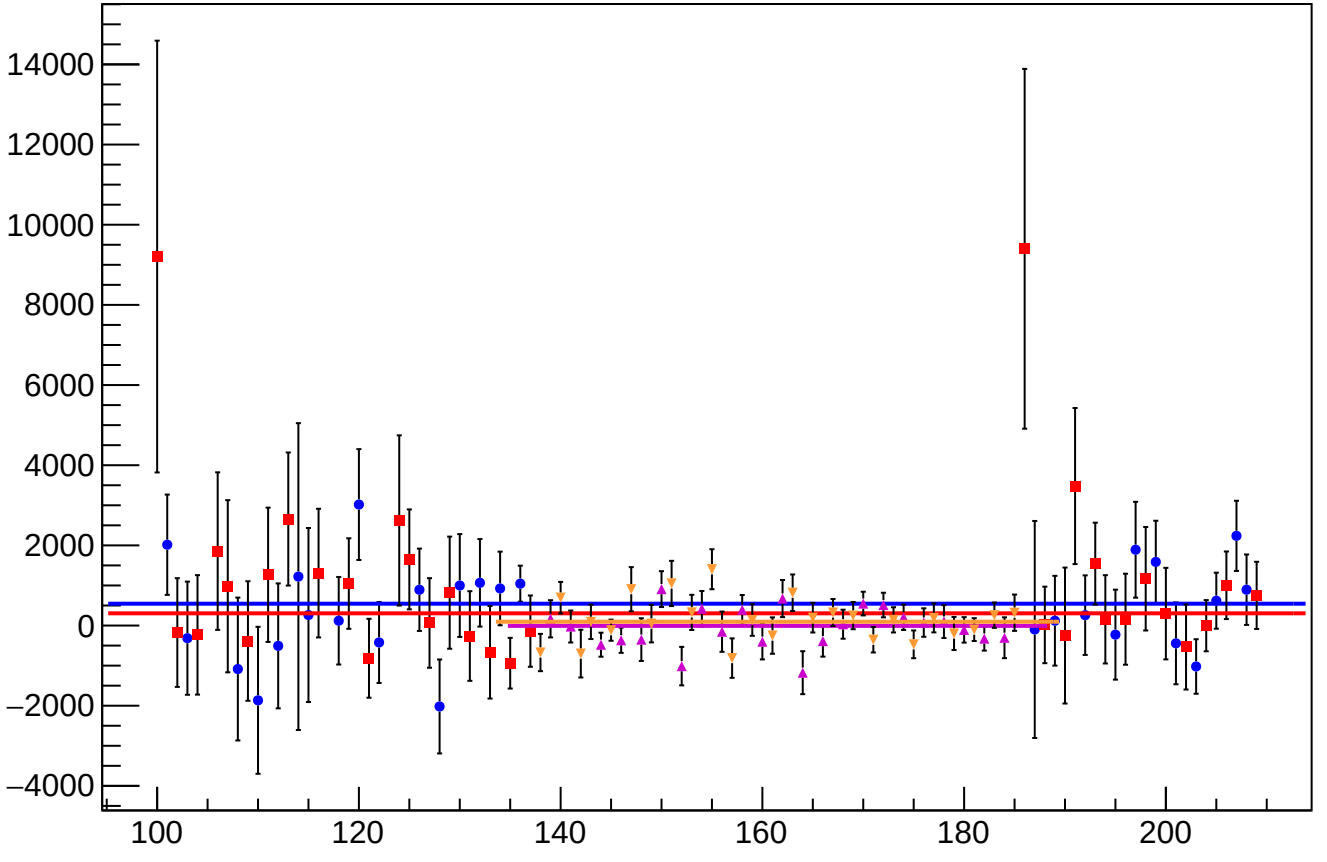
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.082+/-0.007 χ^2/NDF: 3780461.5/51

All: 60.670+/-0.005 χ^2/NDF: 8720179.7/106

- sign 61.285+/-0.008 χ^2/NDF: 4926760.6/54

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 545.037+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 305.222+/-203.170 χ^2/NDF: 26.8/31

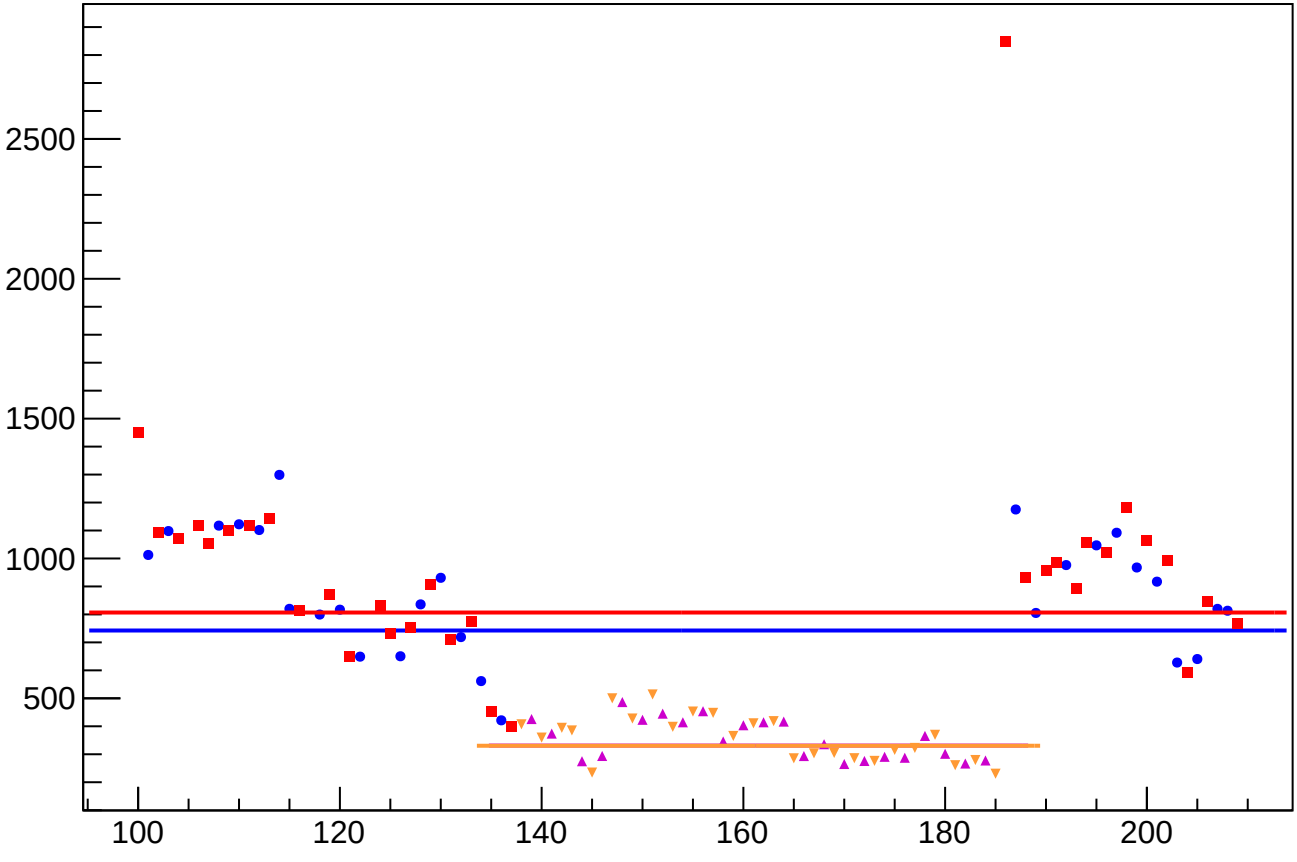
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 156.101+/-71.743 χ^2/NDF: 66.7/51

All: 96.405+/-51.419 χ^2/NDF: 129.3/106

- sign 33.356+/-73.731 χ^2/NDF: 61.1/54

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 742.458+/-0.138 χ^2/NDF: 2515403.5/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 806.760+/-0.144 χ^2/NDF: 2872660.0/31

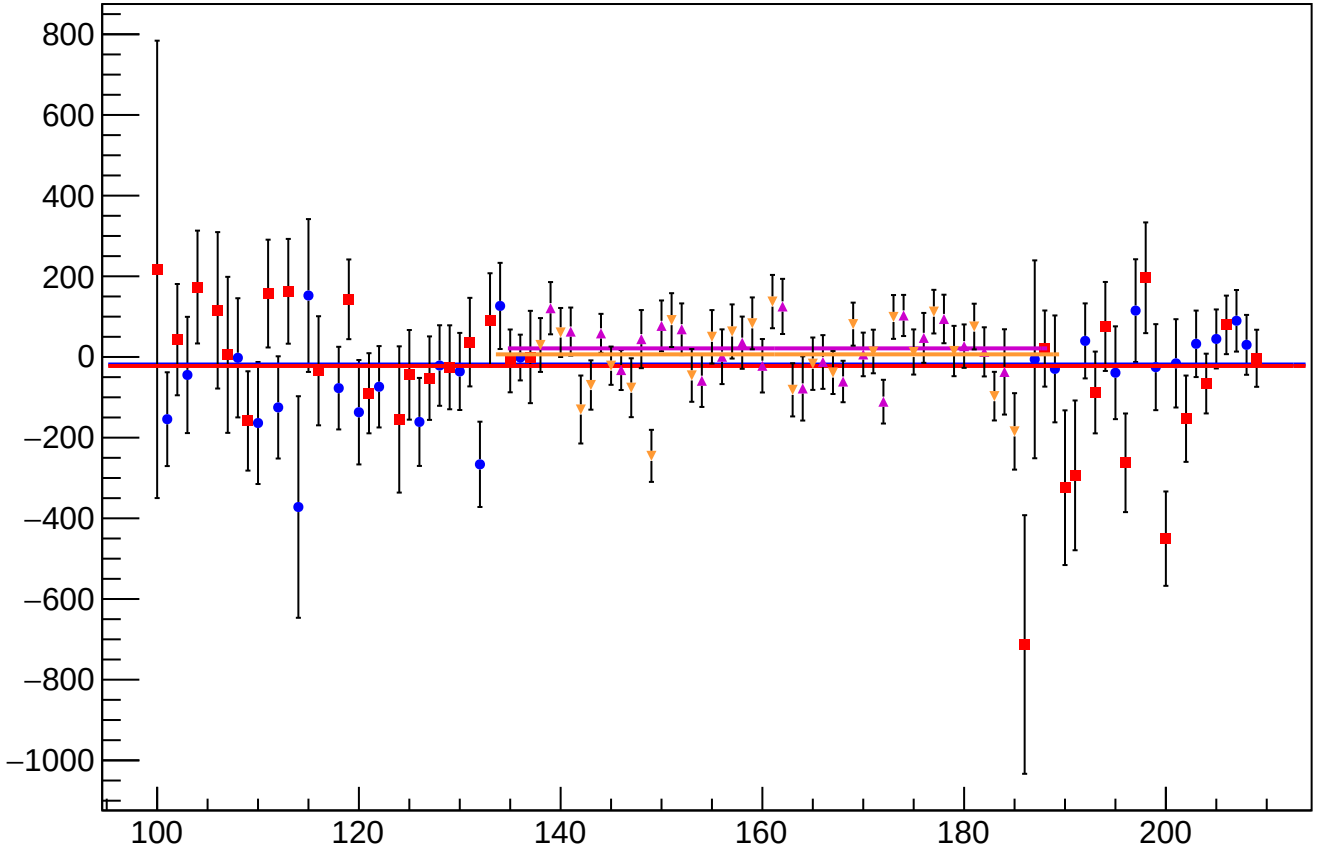
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 385.988+/-0.051 χ^2/NDF: 11966757.6/51

All: 389.742+/-0.036 χ^2/NDF: 25696527.0/10

- sign 393.708+/-0.052 χ^2/NDF: 13718507.1/54

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -22.301+/-19.978 χ^2/NDF: 47.5/31

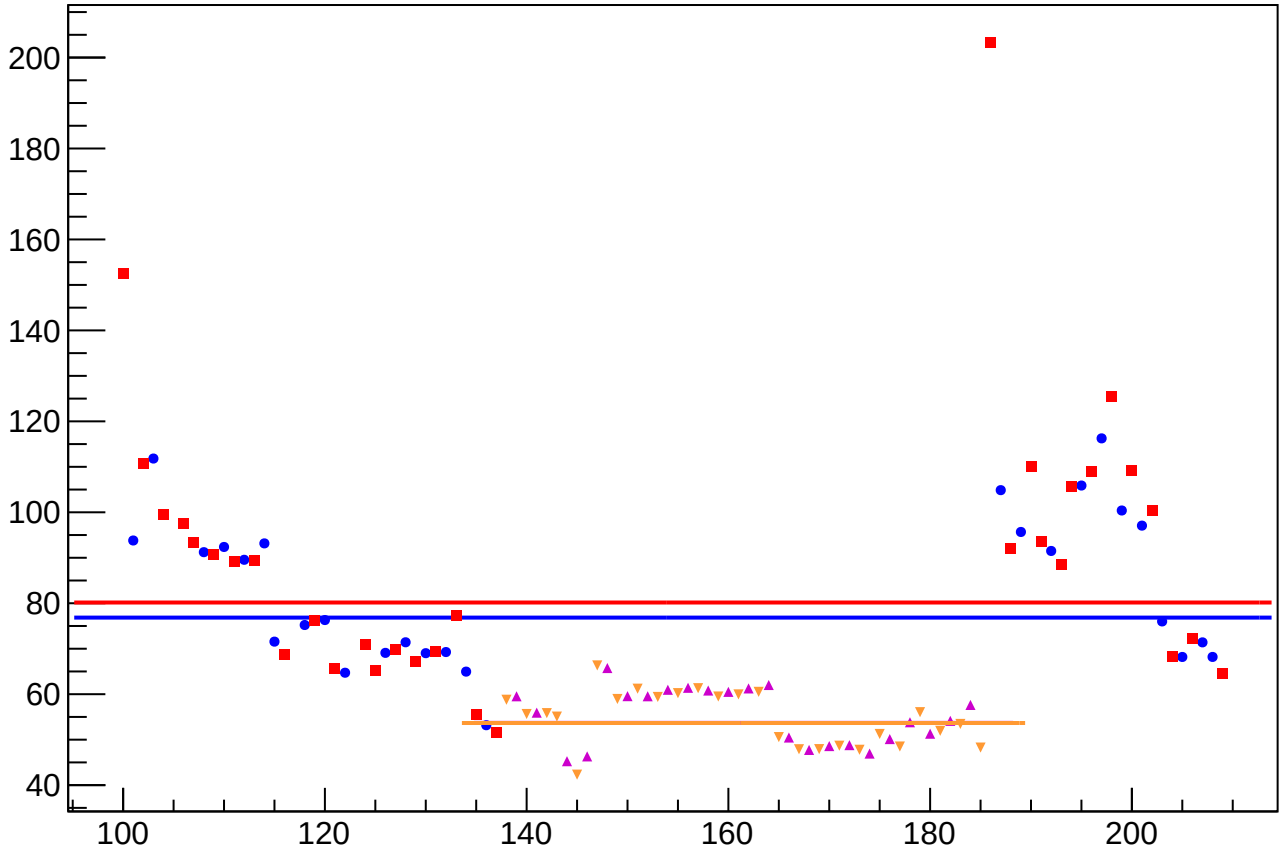
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -0.450+/-10.449 χ^2/NDF: 73.0/51

All: 4.094+/-7.471 χ^2/NDF: 149.7/106

- sign 8.847+/-10.687 χ^2/NDF: 76.3/54

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.160+/-0.014 χ^2/NDF: 1931514.2/31

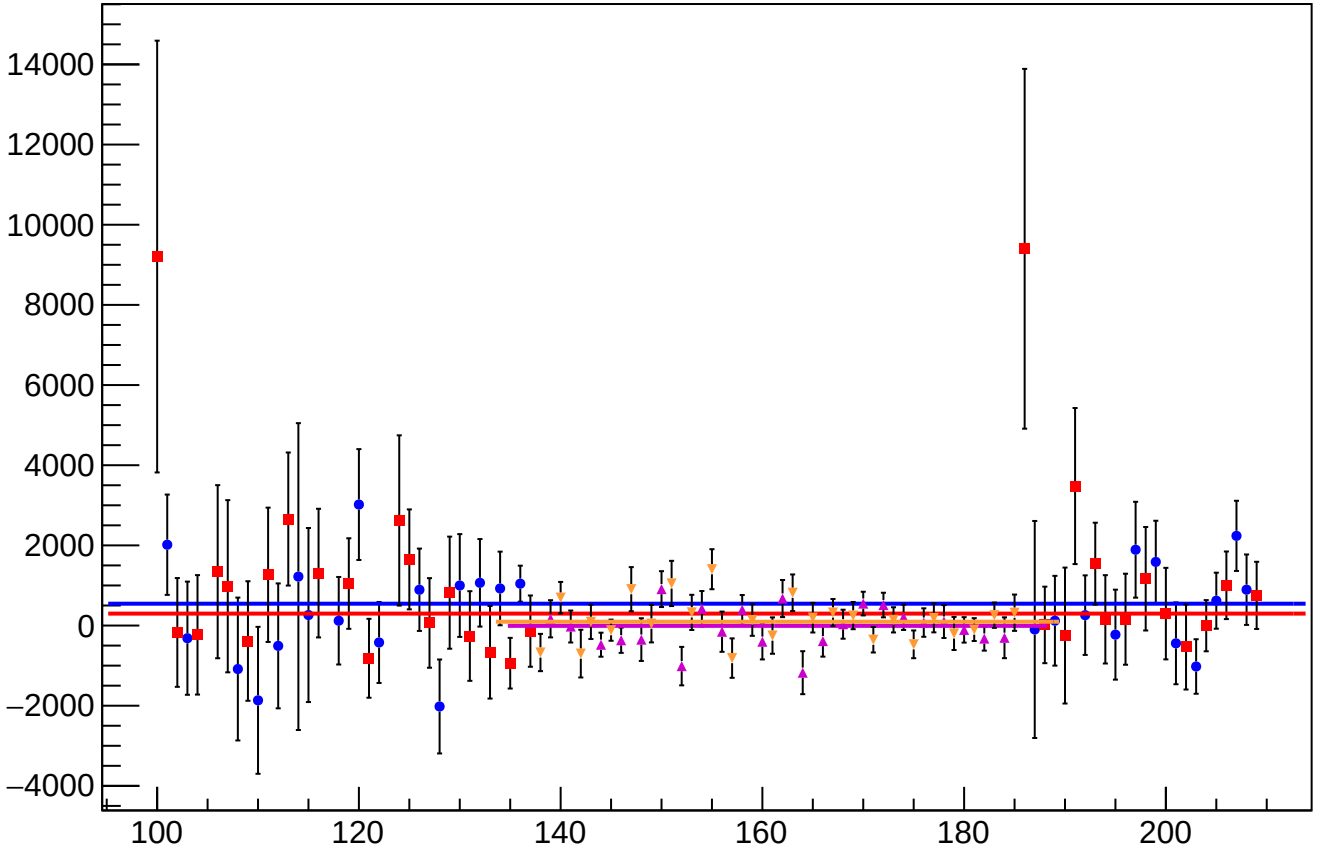
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.082+/-0.007 χ^2/NDF: 3780464.1/51

All: 60.662+/-0.005 χ^2/NDF: 8701448.8/106

- sign 61.268+/-0.008 χ^2/NDF: 4908382.2/54

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 297.896+/-203.360 χ^2/NDF: 26.4/31

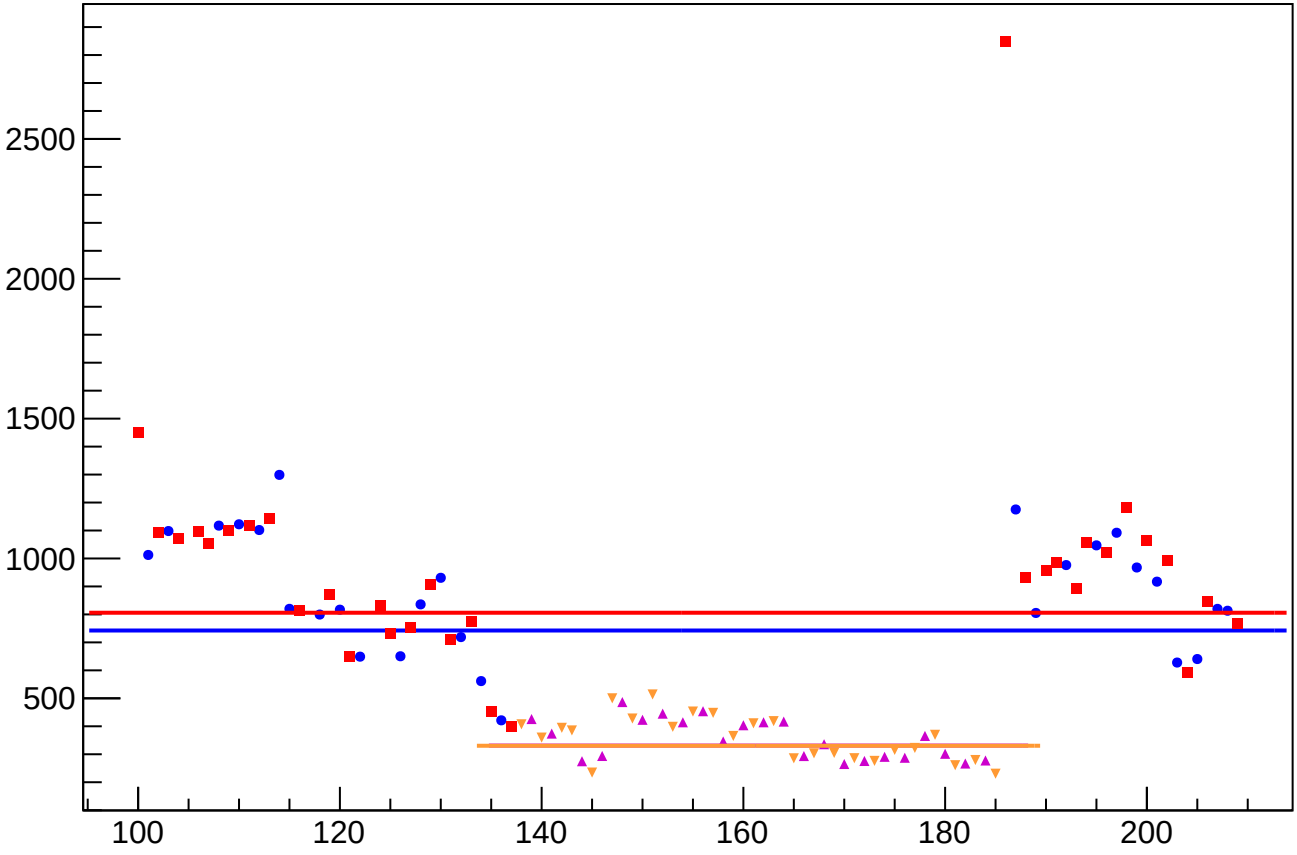
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 156.103+/-71.743 χ^2/NDF: 66.7/51

All: 95.914+/-51.422 χ^2/NDF: 128.8/106

- sign 32.329+/-73.740 χ^2/NDF: 60.6/54

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 805.994+/-0.144 χ^2/NDF: 2858481.7/31

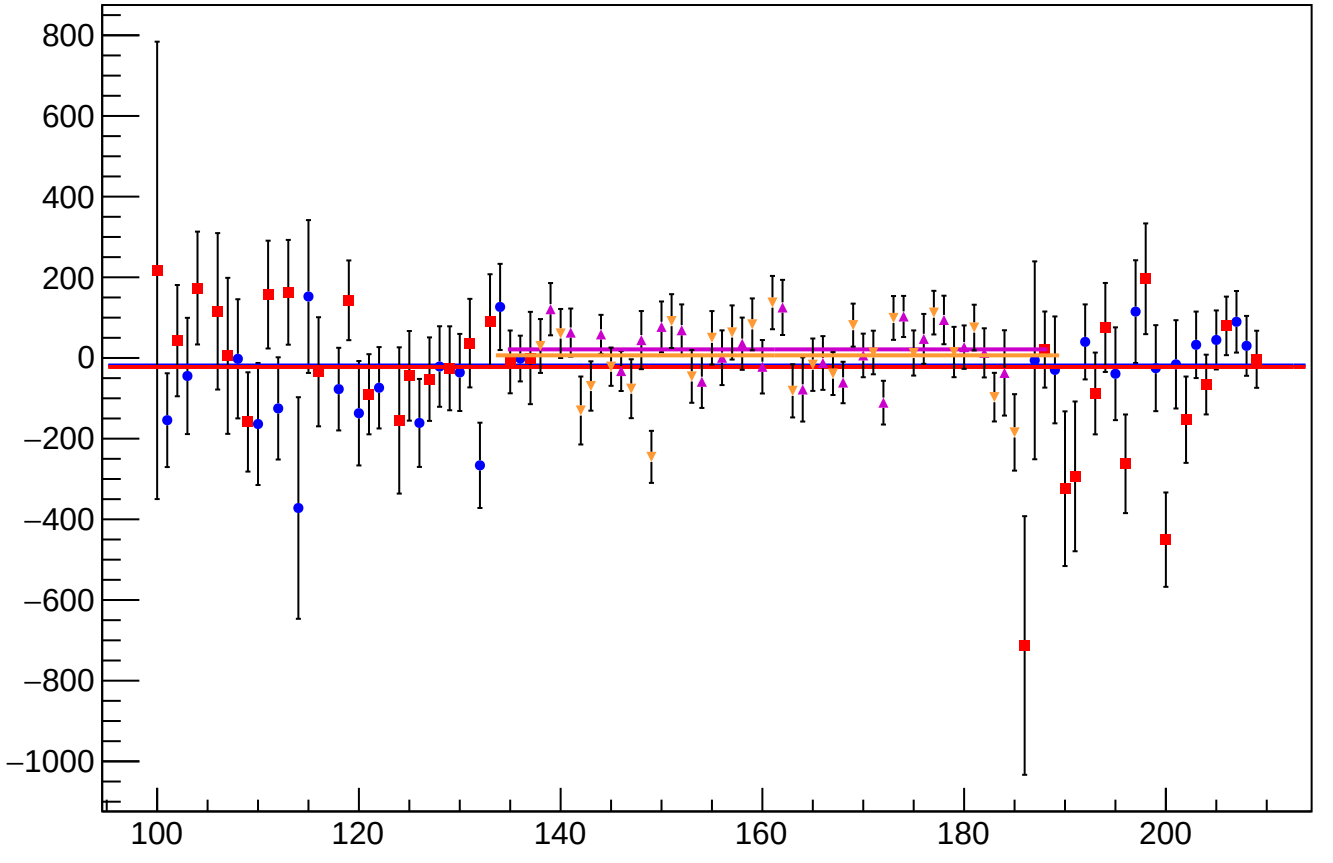
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 385.988+/-0.051 χ^2/NDF: 11966777.4/51

All: 389.644+/-0.036 χ^2/NDF: 25635844.4/10

- sign 393.506+/-0.052 χ^2/NDF: 13658387.7/54

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -22.301+/-19.978 χ^2/NDF: 47.5/31

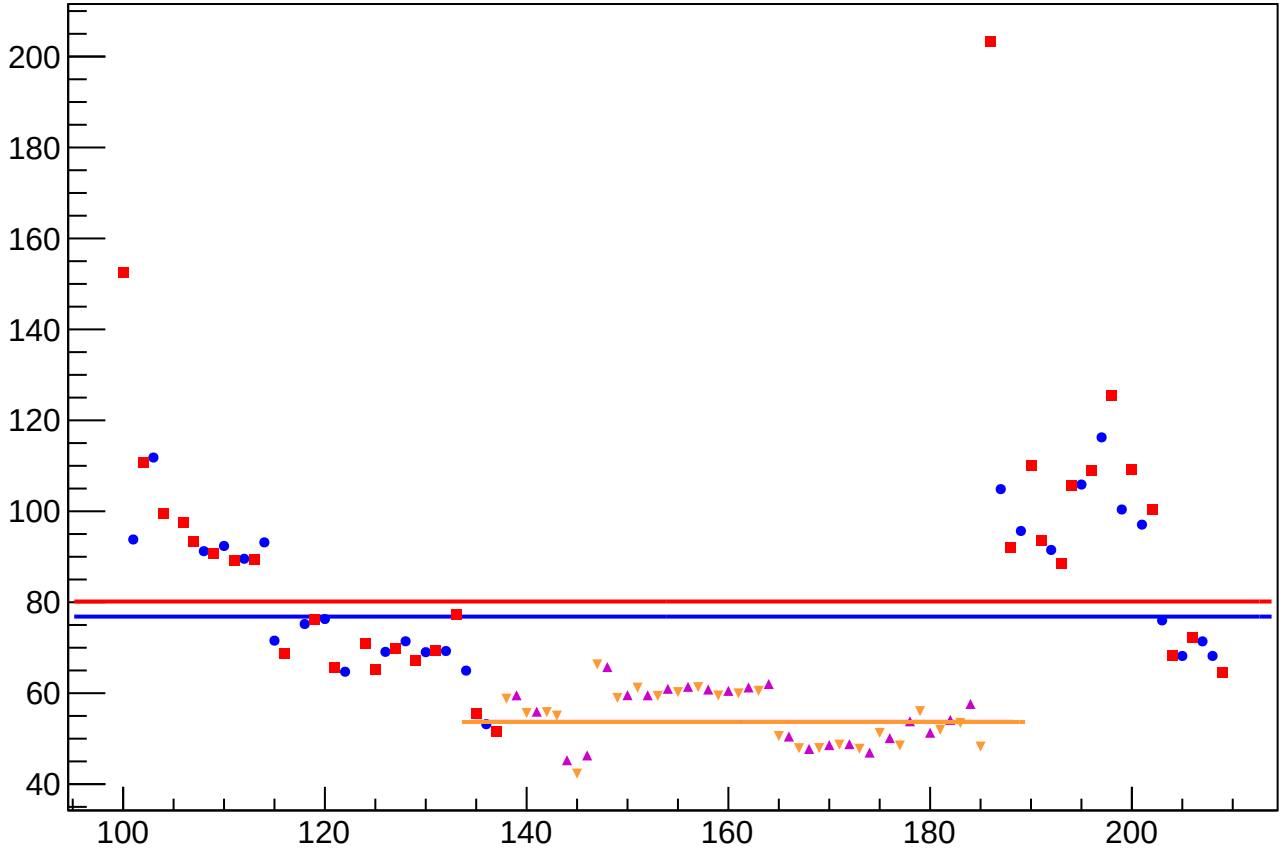
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -0.450+/-10.449 χ^2/NDF: 73.0/51

All: 4.094+/-7.471 χ^2/NDF: 149.7/106

- sign 8.847+/-10.687 χ^2/NDF: 76.3/54

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

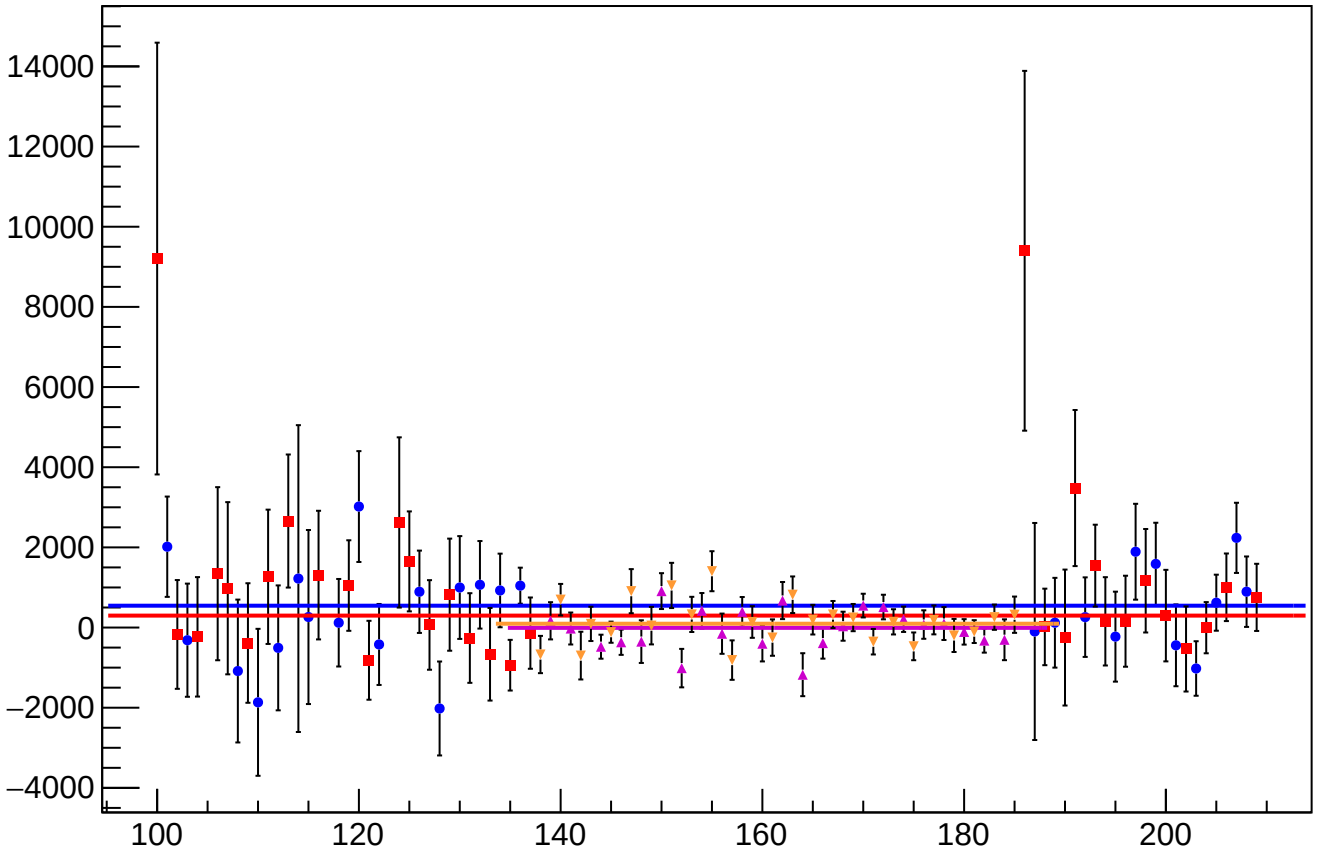
Right Out: 80.160+/-0.014 χ^2/NDF: 1931514.2/31

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.082+/-0.007 χ^2/NDF: 3780464.1/51

All: 60.662+/-0.005 χ^2/NDF: 8701448.8/106

- sign 61.268+/-0.008 χ^2/NDF: 4908382.2/54



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

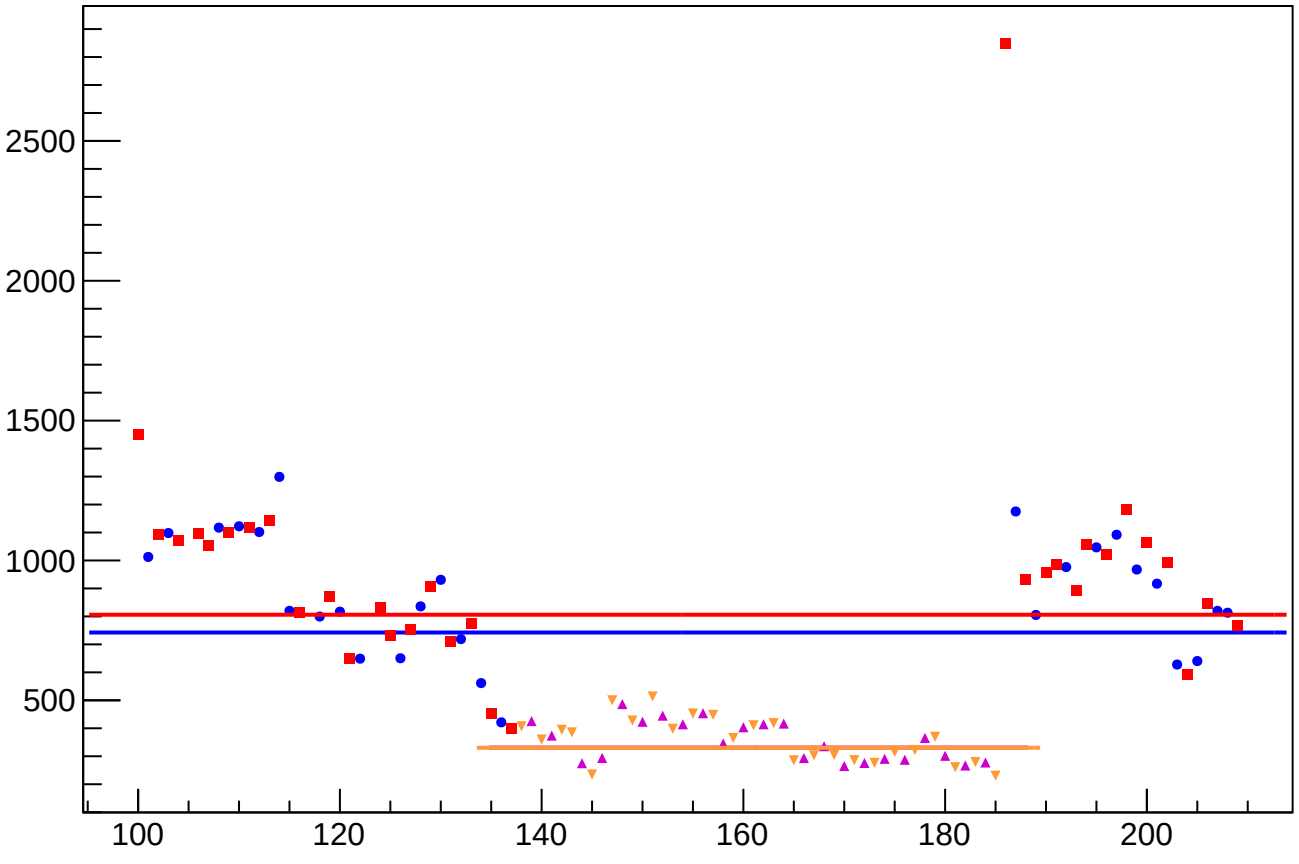
Right Out: 297.896+/-203.360 χ^2/NDF: 26.4/31

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 156.103+/-71.743 χ^2/NDF: 66.7/51

All: 95.914+/-51.422 χ^2/NDF: 128.8/106

- sign 32.329+/-73.740 χ^2/NDF: 60.6/54



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 805.994+/-0.144 χ^2/NDF: 2858481.7/31

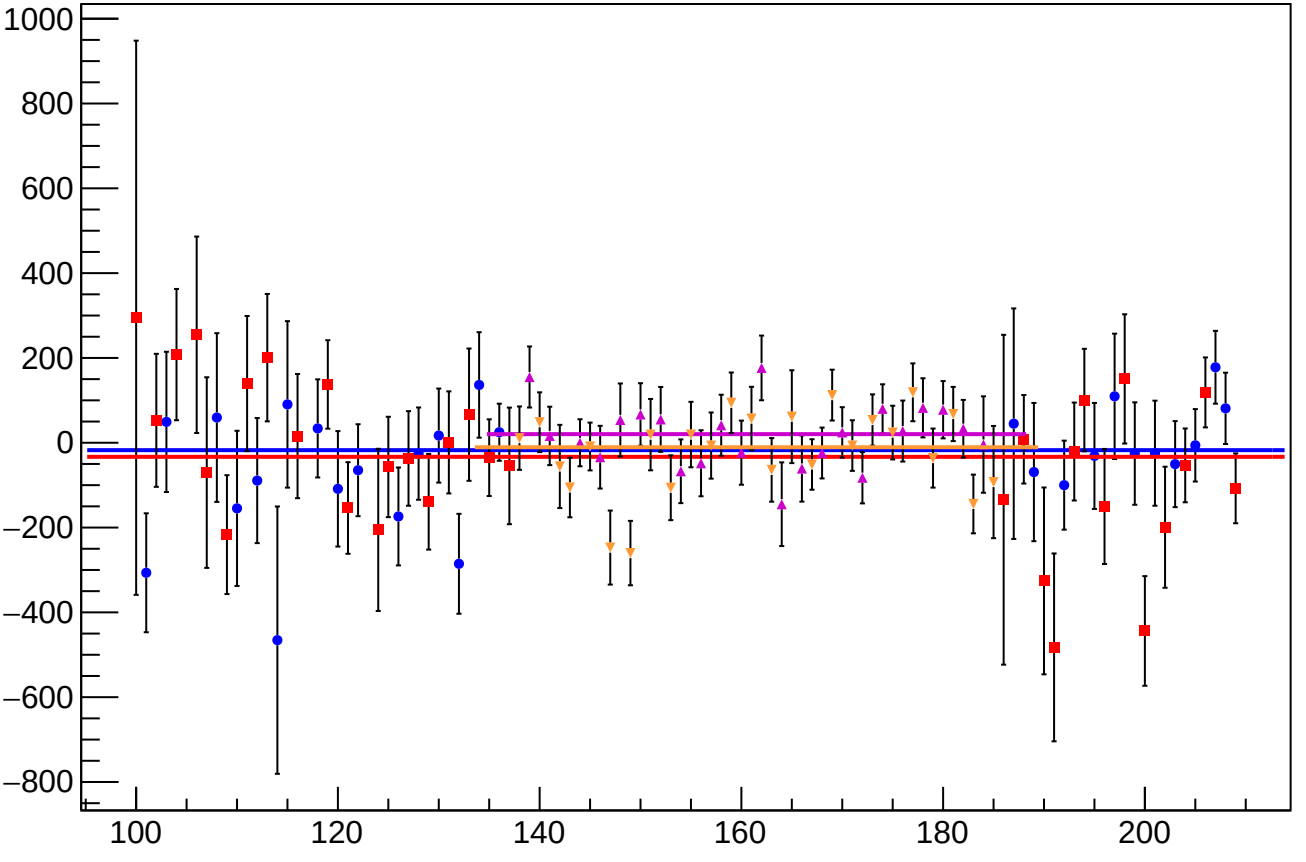
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 385.988+/-0.051 χ^2/NDF: 11966777.4/51

All: 389.644+/-0.036 χ^2/NDF: 25635844.4/10

- sign 393.506+/-0.052 χ^2/NDF: 13658387.7/54

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.480+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -33.187+/-22.701 χ^2/NDF: 41.4/31

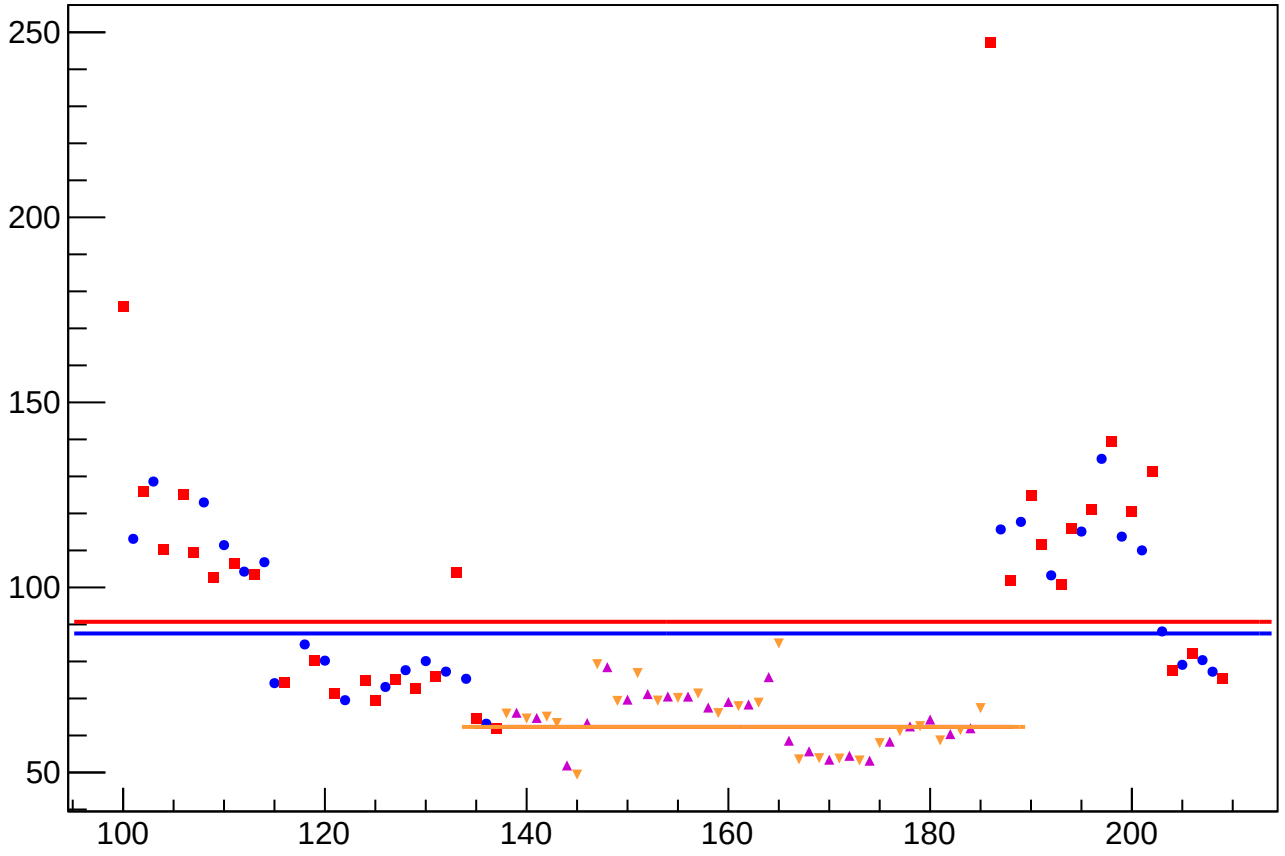
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.562+/-12.112 χ^2/NDF: 68.0/51

All: -4.245+/-8.654 χ^2/NDF: 136.0/106

- sign 4.427+/-12.369 χ^2/NDF: 67.0/54

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.562+/-0.016 χ^2/NDF: 1405553.1/26

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

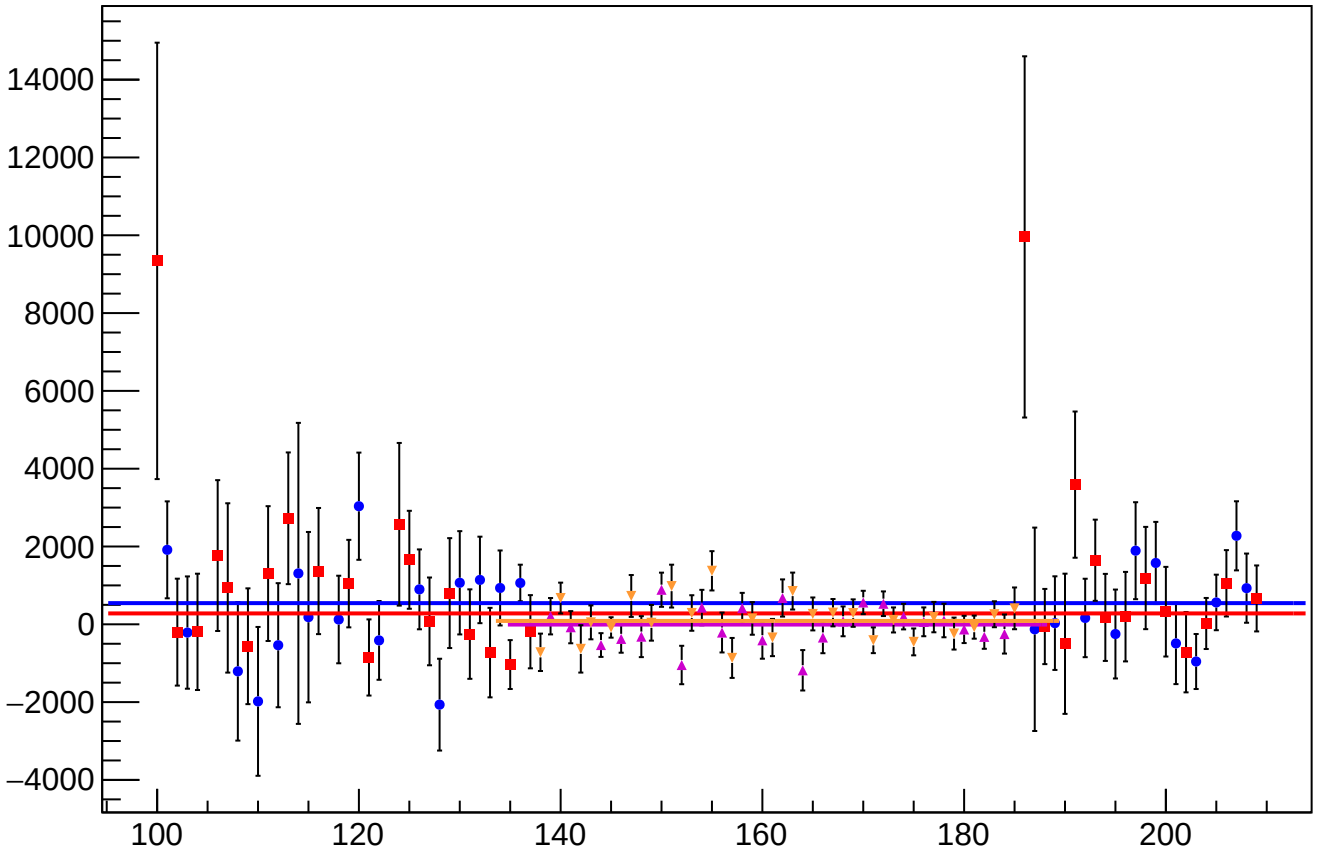
Right Out: 90.716+/-0.016 χ^2/NDF: 2076090.5/31

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 69.477+/-0.009 χ^2/NDF: 3807317.3/51

All: 70.097+/-0.006 χ^2/NDF: 8580406.4/106

- sign 70.742+/-0.009 χ^2/NDF: 4762406.9/54



Right In: 544.458+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 279.865+/-205.440 χ^2/NDF: 28.8/31

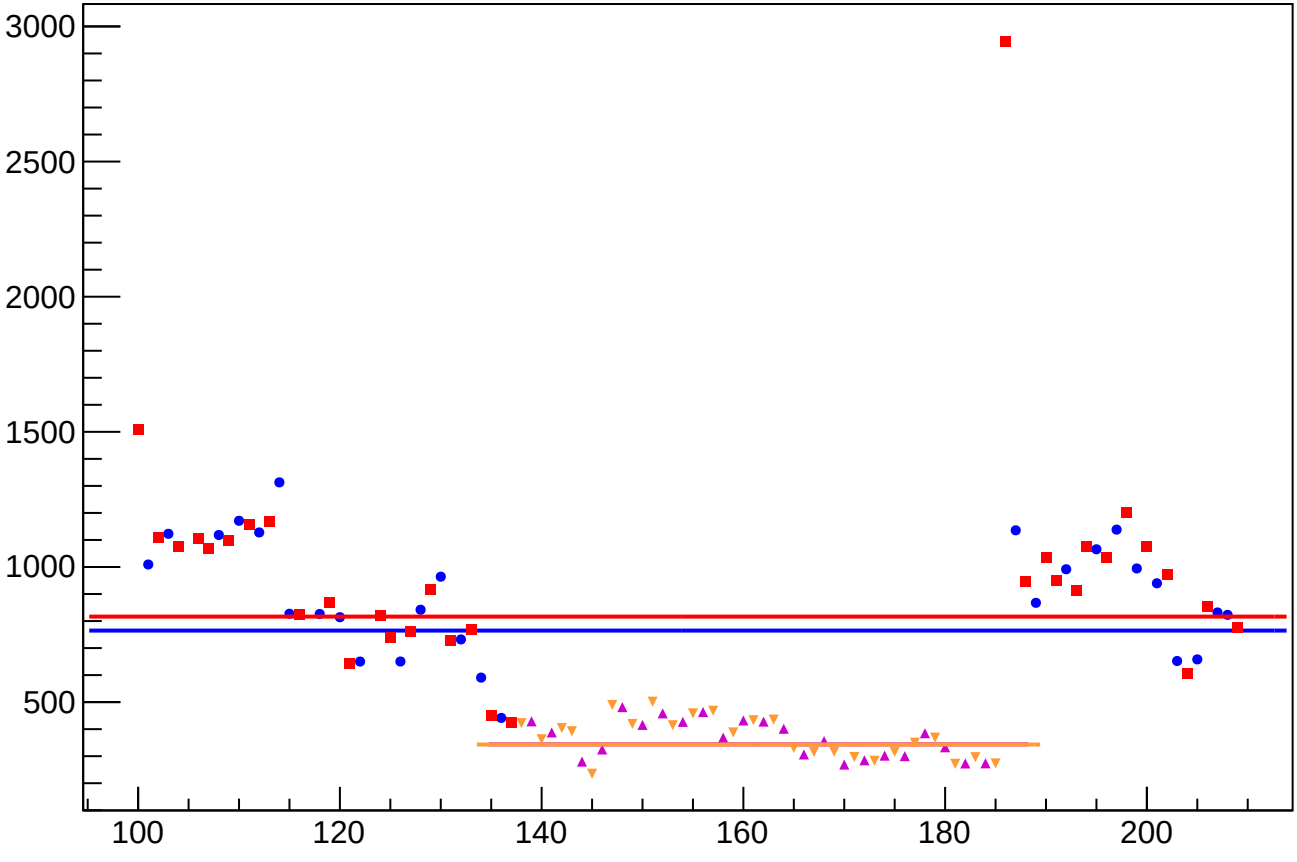
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 149.555+/-74.176 χ^2/NDF: 64.5/51

All: 92.855+/-53.167 χ^2/NDF: 128.6/106

- sign 32.947+/-76.246 χ^2/NDF: 62.9/54

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 764.695+/-0.142 χ^2/NDF: 2380515.6/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 816.452+/-0.145 χ^2/NDF: 2849178.7/31

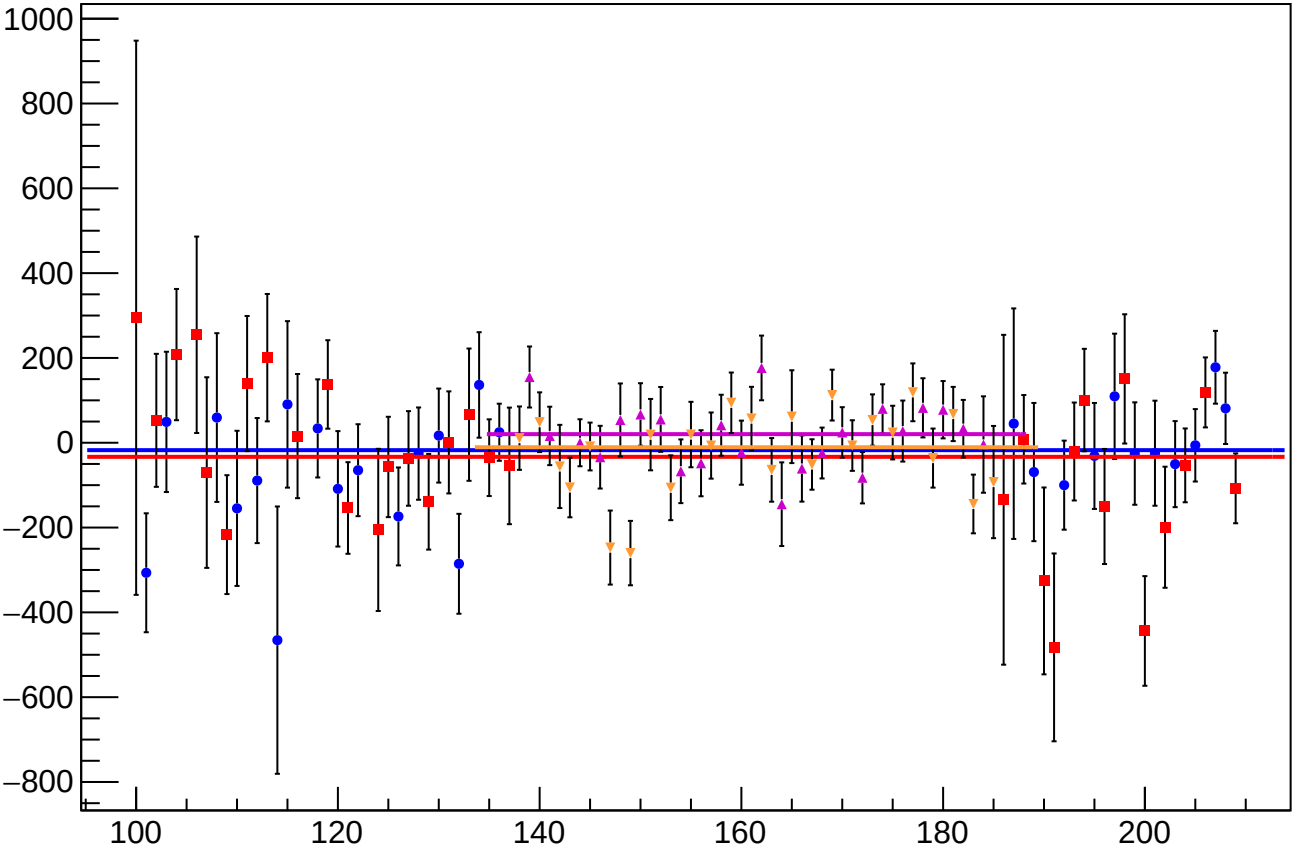
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 400.871+/-0.052 χ^2/NDF: 11599572.6/51

All: 404.742+/-0.038 χ^2/NDF: 24849631.9/10

- sign 408.832+/-0.054 χ^2/NDF: 13238857.5/54

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -17.481+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -33.187+/-22.701 χ^2/NDF: 41.4/31

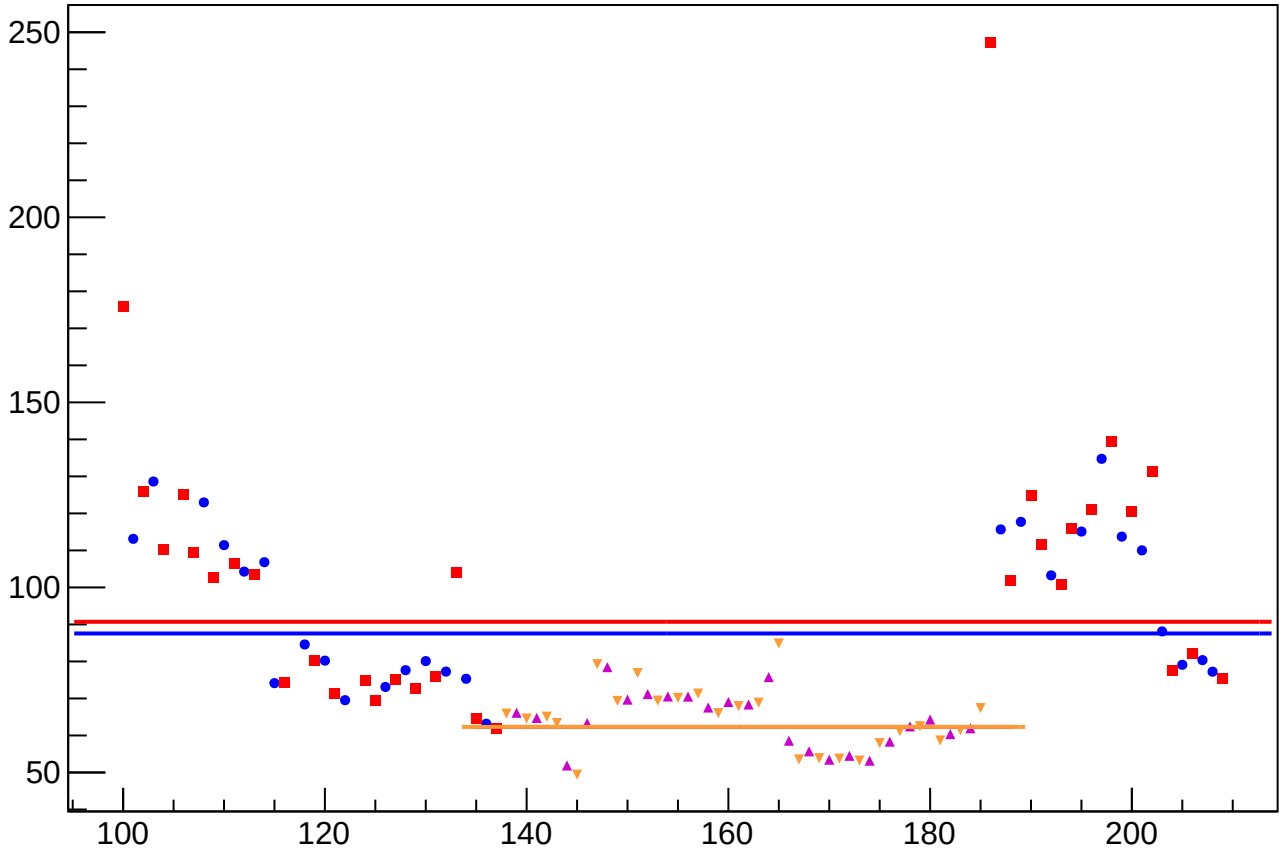
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.561+/-12.112 χ^2/NDF: 68.0/51

All: -4.245+/-8.654 χ^2/NDF: 136.0/106

- sign 4.426+/-12.369 χ^2/NDF: 67.0/54

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 87.562+/-0.016 χ^2/NDF: 1405568.0/26

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

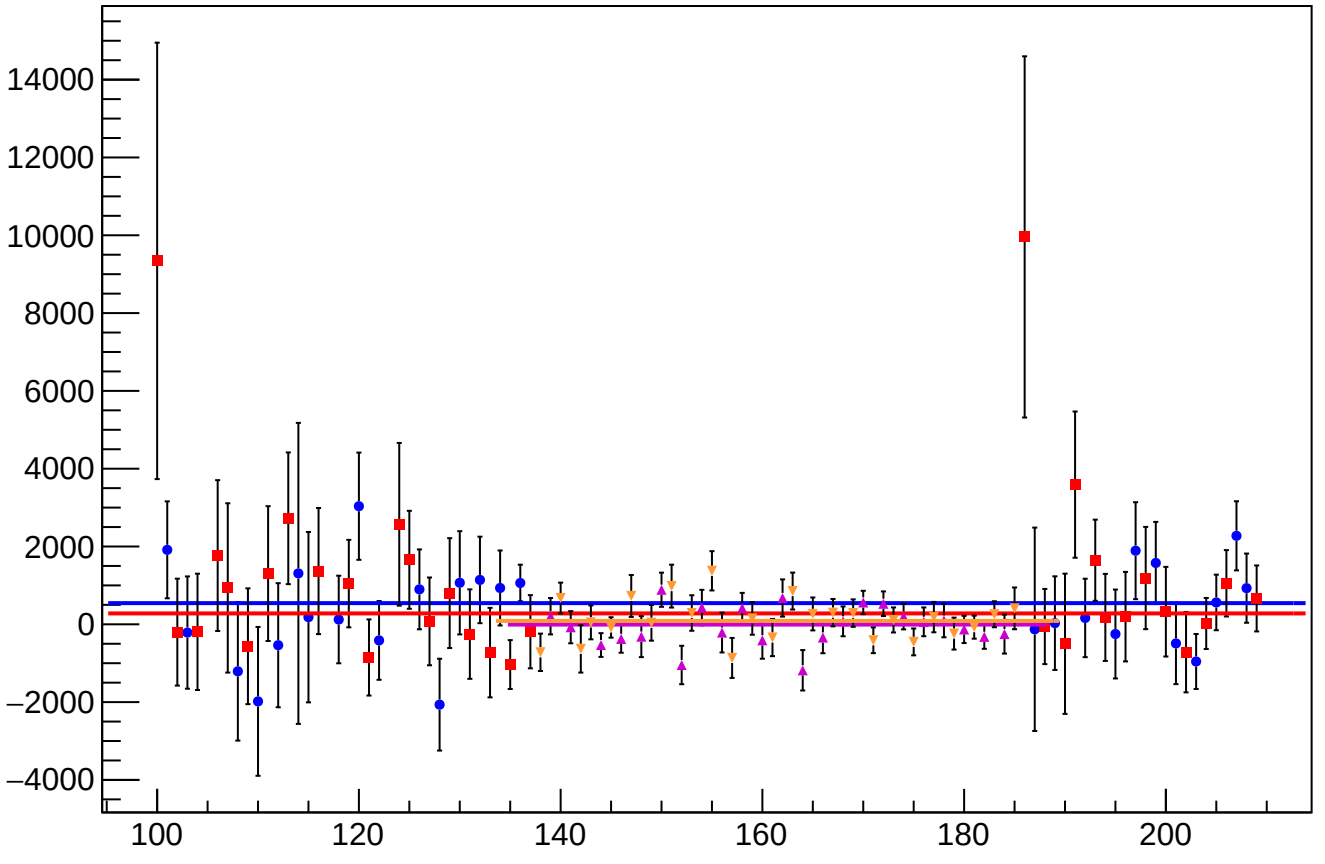
Right Out: 90.715+/-0.016 χ^2/NDF: 2076084.5/31

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 69.477+/-0.009 χ^2/NDF: 3807290.3/51

All: 70.097+/-0.006 χ^2/NDF: 8580323.0/106

- sign 70.742+/-0.009 χ^2/NDF: 4762348.1/54



Right In: 544.459+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

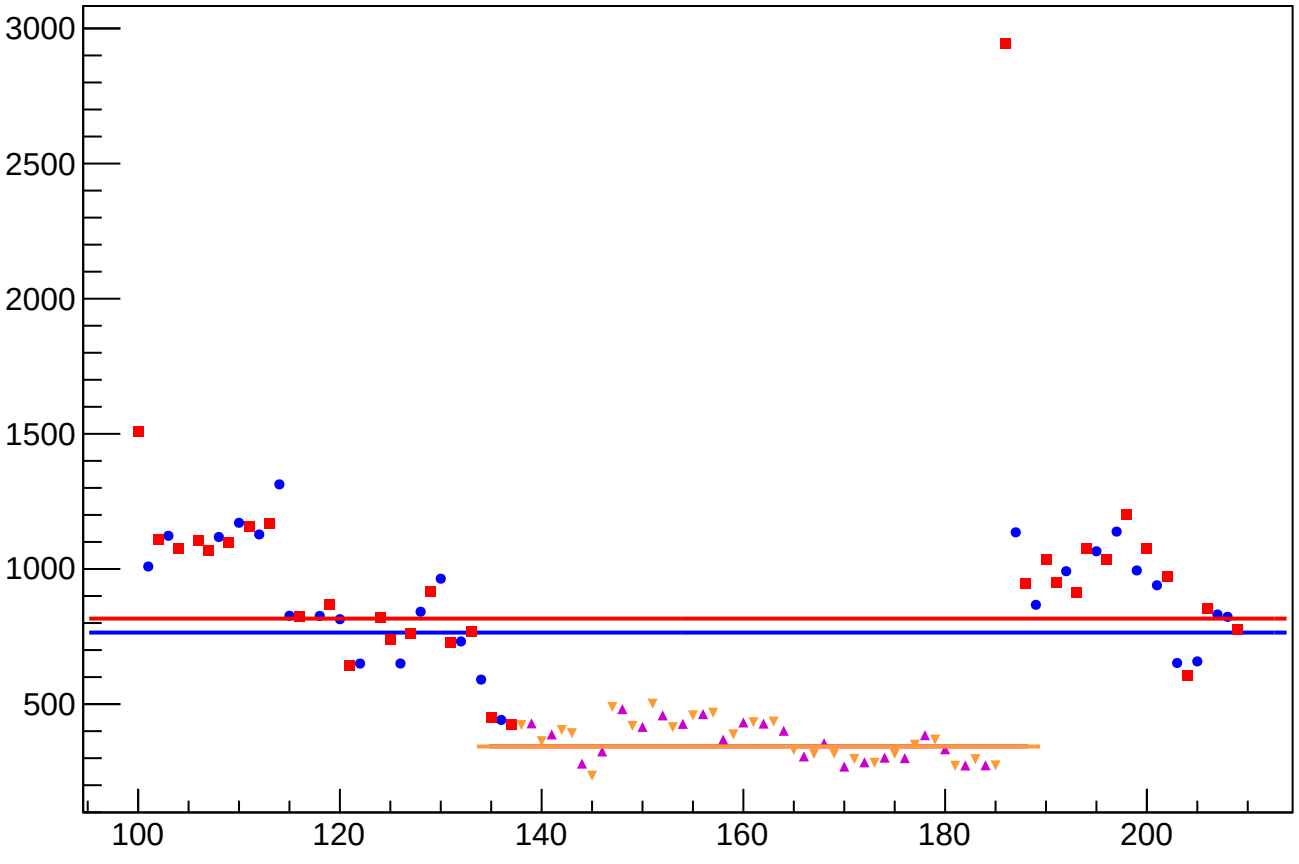
Right Out: 279.866+/-205.440 χ^2/NDF: 28.8/31

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 149.556+/-74.176 χ^2/NDF: 64.5/51

All: 92.856+/-53.167 χ^2/NDF: 128.6/106

- sign 32.947+/-76.246 χ^2/NDF: 62.9/54



Right In: 764.695+/-0.142 χ^2/NDF: 2380501.9/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 816.453+/-0.145 χ^2/NDF: 2849167.9/31

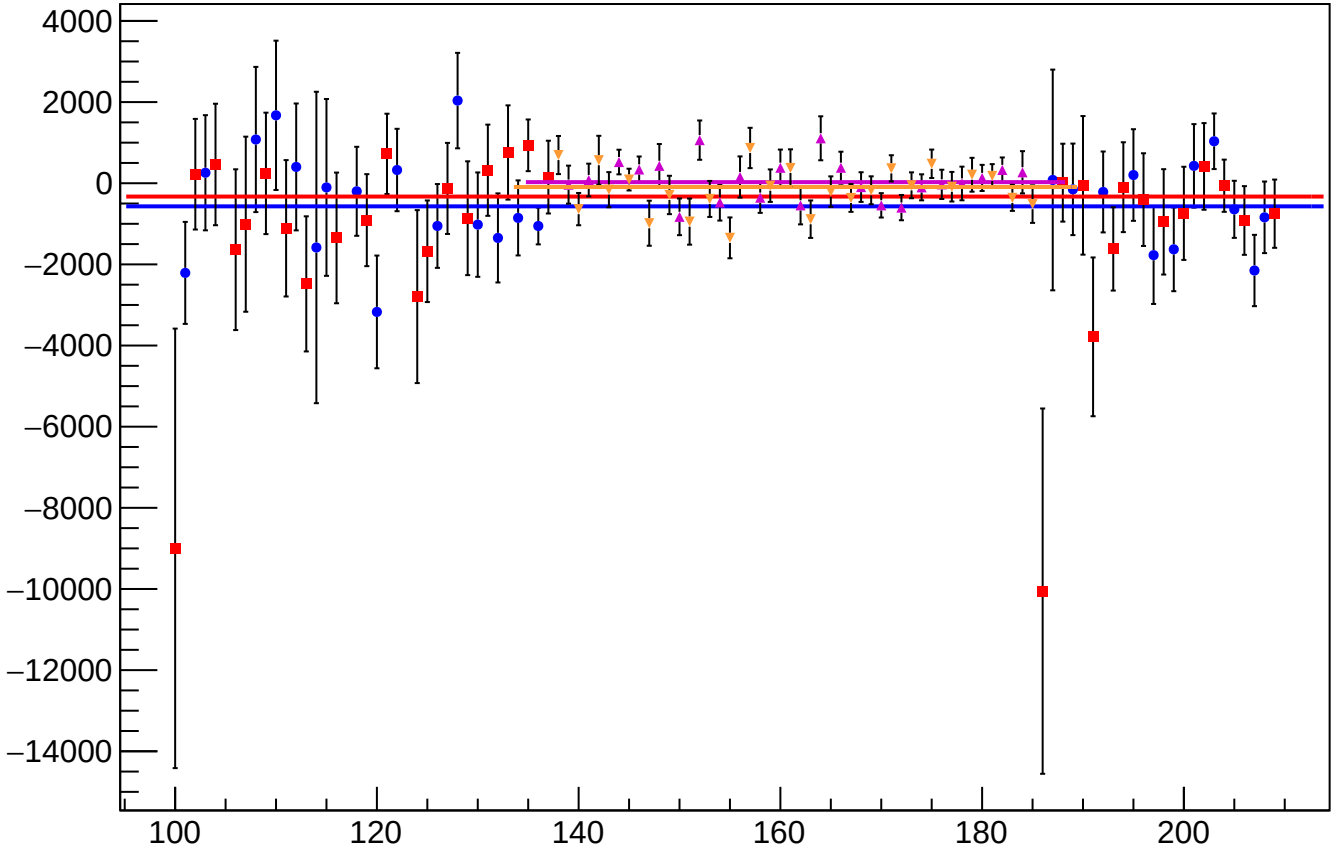
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 400.871+/-0.052 χ^2/NDF: 11599582.4/51

All: 404.742+/-0.038 χ^2/NDF: 24849643.2/10

- sign 408.832+/-0.054 χ^2/NDF: 13238858.6/54

asym_sam_15_26_dd_mean vs Slug



Right In: -569.730+/-196.522 χ^2/NDF: 28.9/26

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -328.316+/-204.285 χ^2/NDF: 26.8/31

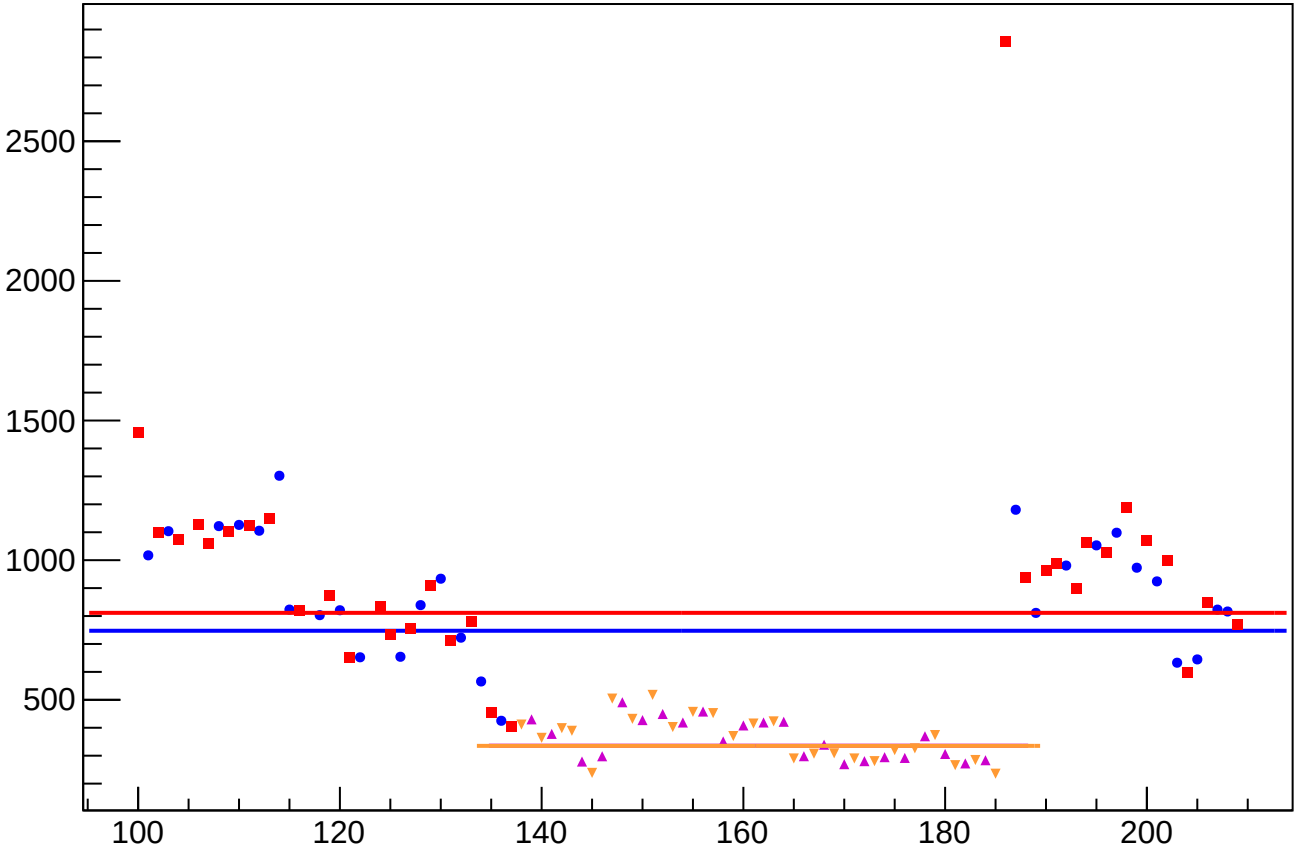
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -157.860+/-72.646 χ^2/NDF: 68.2/51

All: -90.963+/-52.066 χ^2/NDF: 130.2/106

- sign -20.307+/-74.659 χ^2/NDF: 60.3/54

asym_sam_15_26_dd_rms vs Slug



Right In: 747.283+/-0.139 χ^2/NDF: 2492502.1/26

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

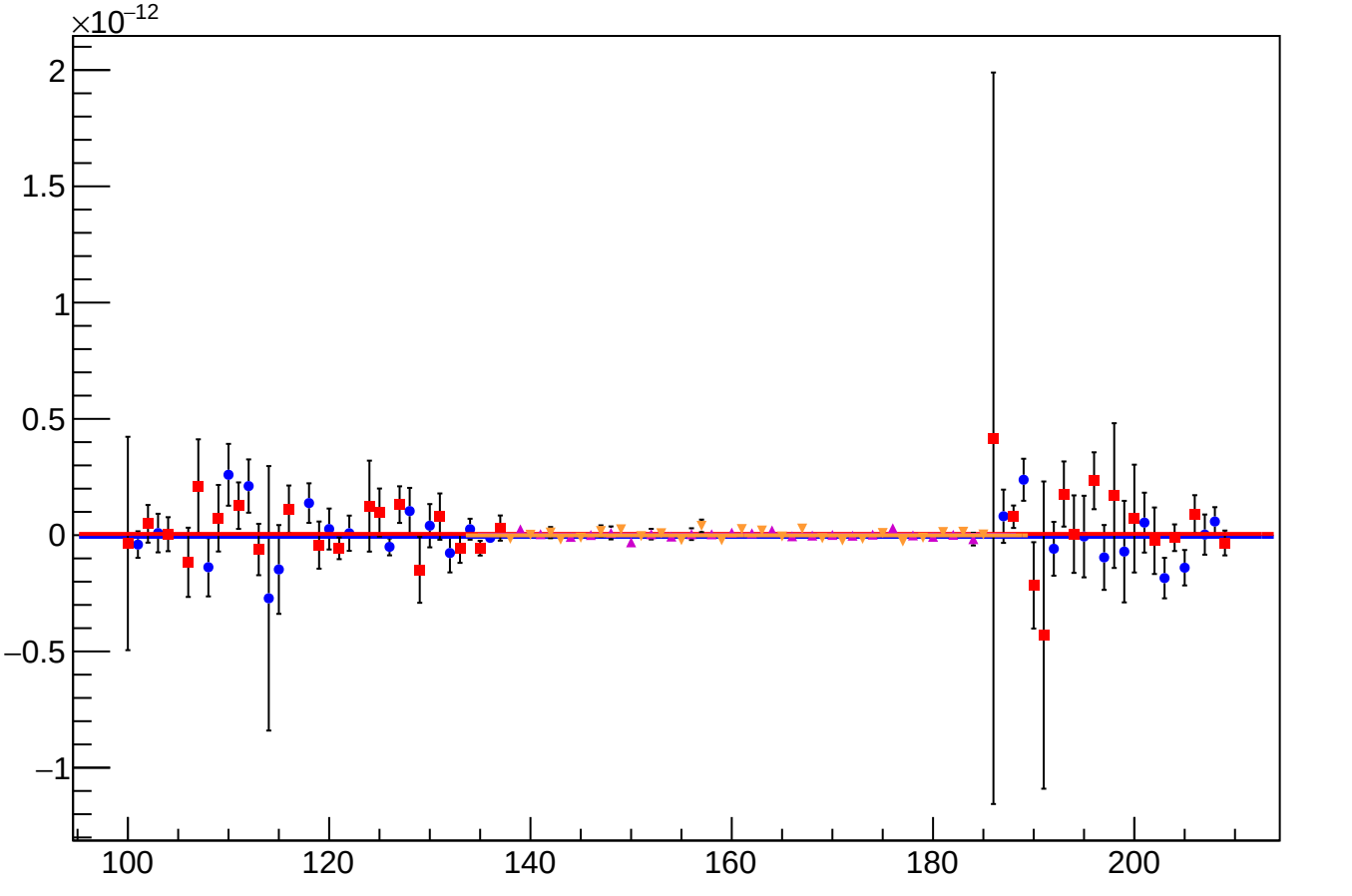
Right Out: 811.418+/-0.144 χ^2/NDF: 2856505.9/31

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 391.467+/-0.051 χ^2/NDF: 11792511.3/51

All: 395.284+/-0.037 χ^2/NDF: 25345362.7/10

- sign 399.315+/-0.053 χ^2/NDF: 13541500.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

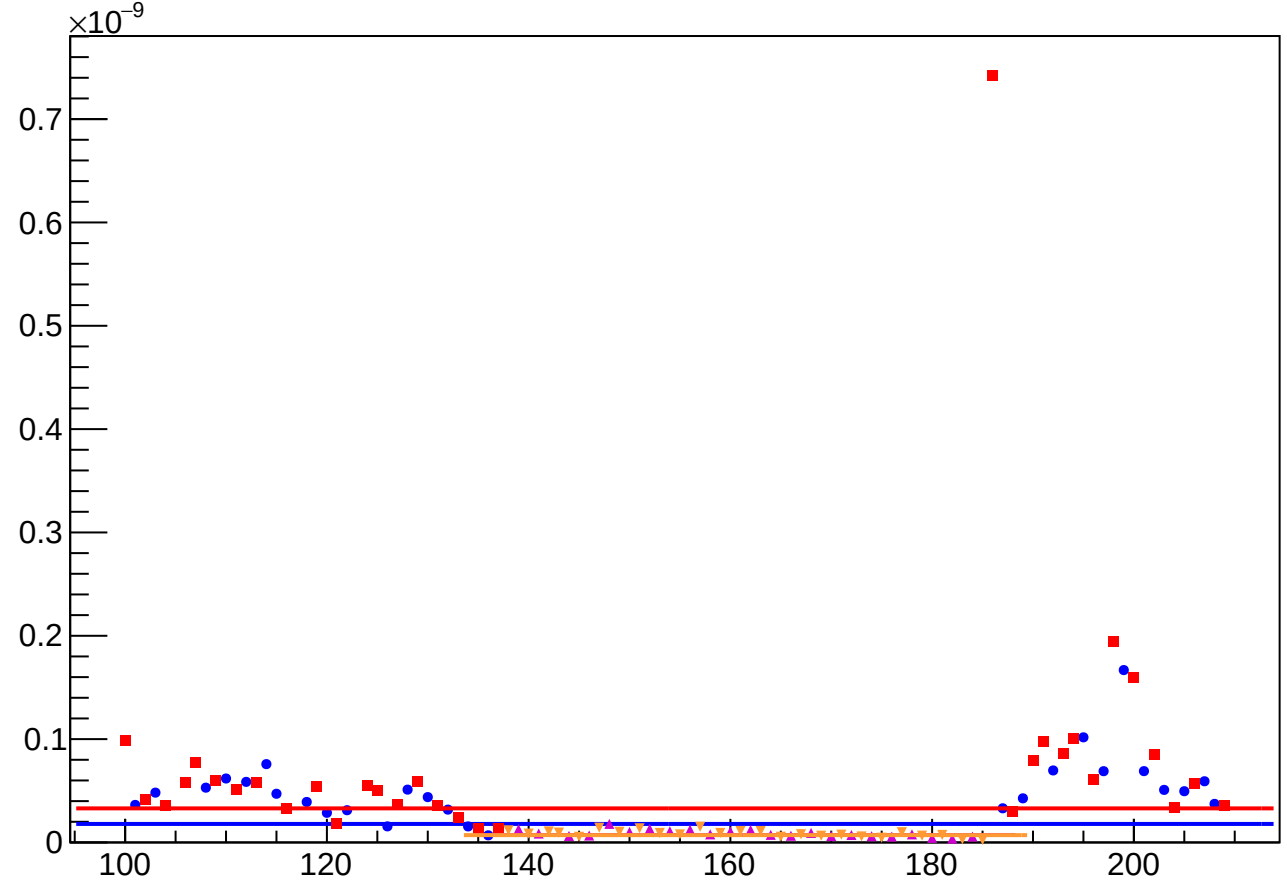
Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/31

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.1/51

All: 0.000+/-0.000 χ^2/NDF: 112.4/106

- sign 0.000+/-0.000 χ^2/NDF: 43.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 7237103.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4802419.0/31

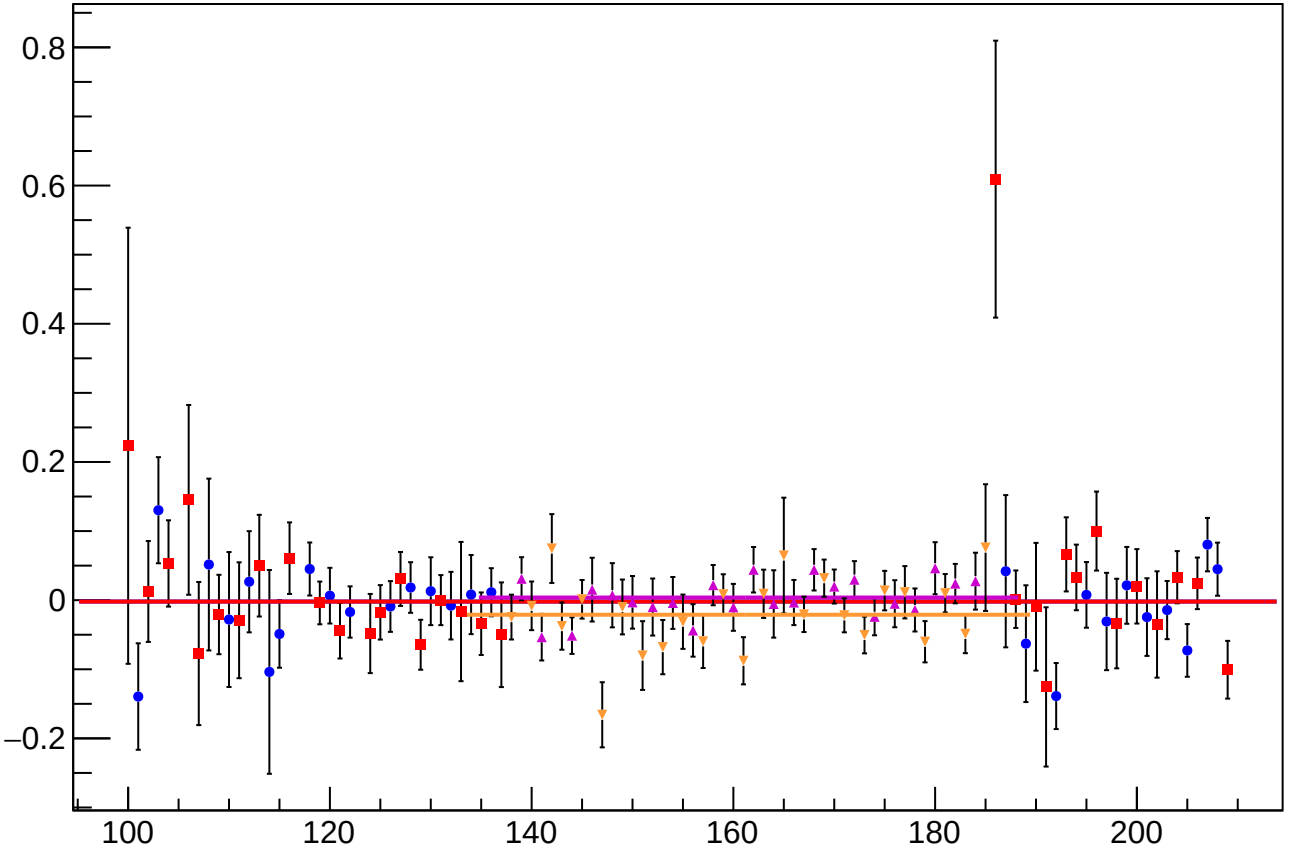
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11467862.4/51

All: 0.000+/-0.000 χ^2/NDF: 24040238.4/106

- sign 0.000+/-0.000 χ^2/NDF: 12556679.0/54

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.009 χ^2/NDF: 35.1/31

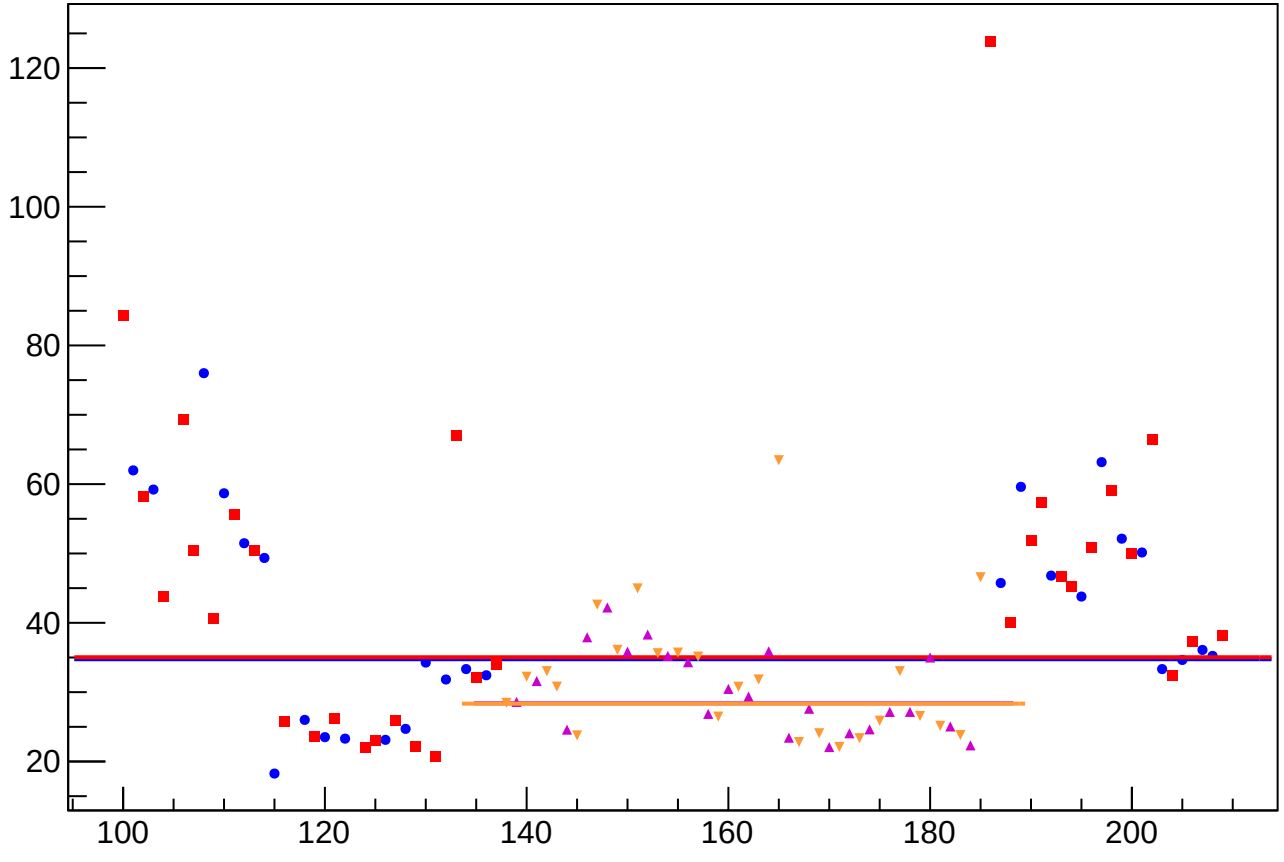
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.007+/-0.004 χ^2/NDF: 127.7/106

- sign 0.002+/-0.006 χ^2/NDF: 54.0/54

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

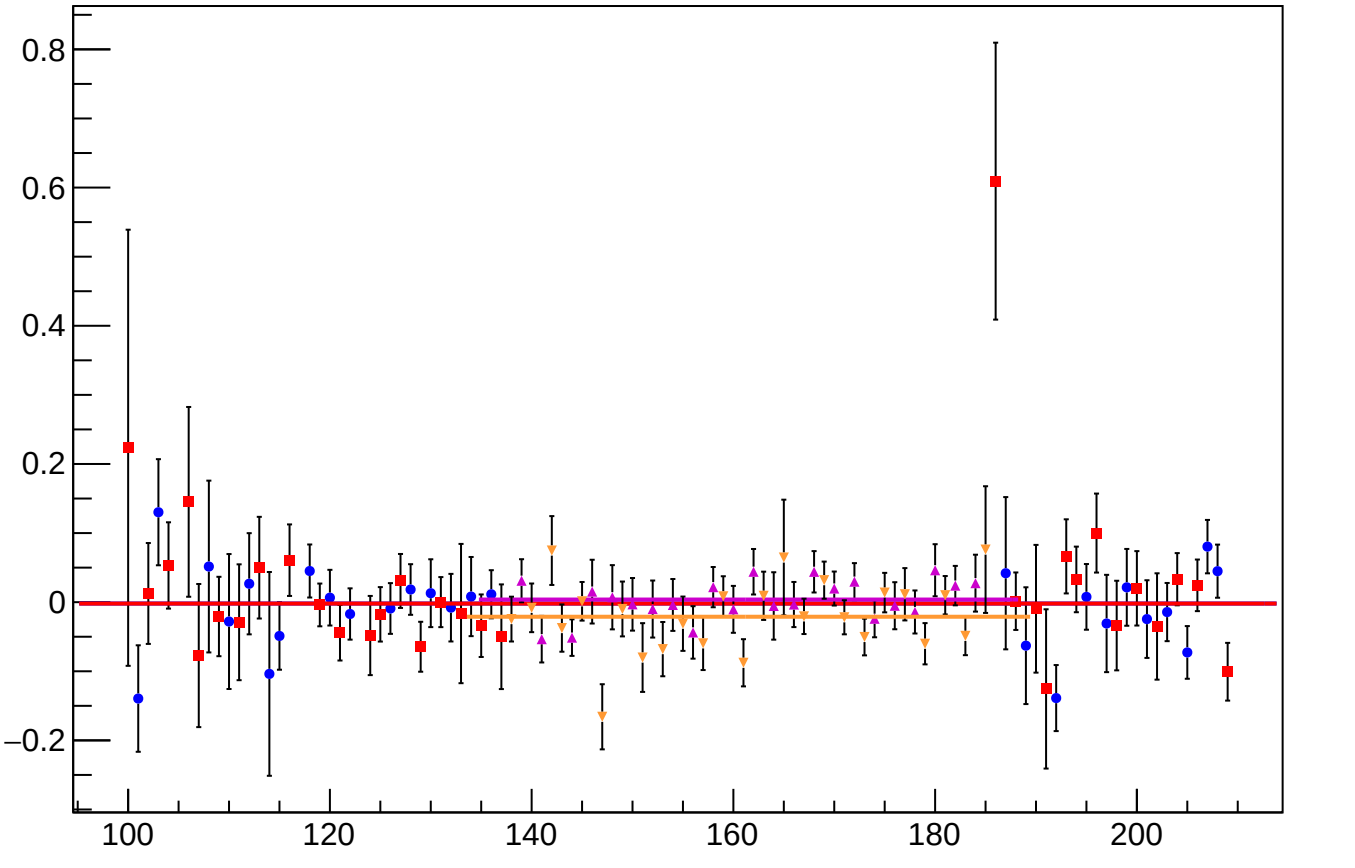
Right Out: 35.035+/-0.007 χ^2/NDF: 3989731.2/31

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378979.7/51

All: 30.614+/-0.003 χ^2/NDF: 11140555.7/106

- sign 30.762+/-0.004 χ^2/NDF: 5758716.6/54



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

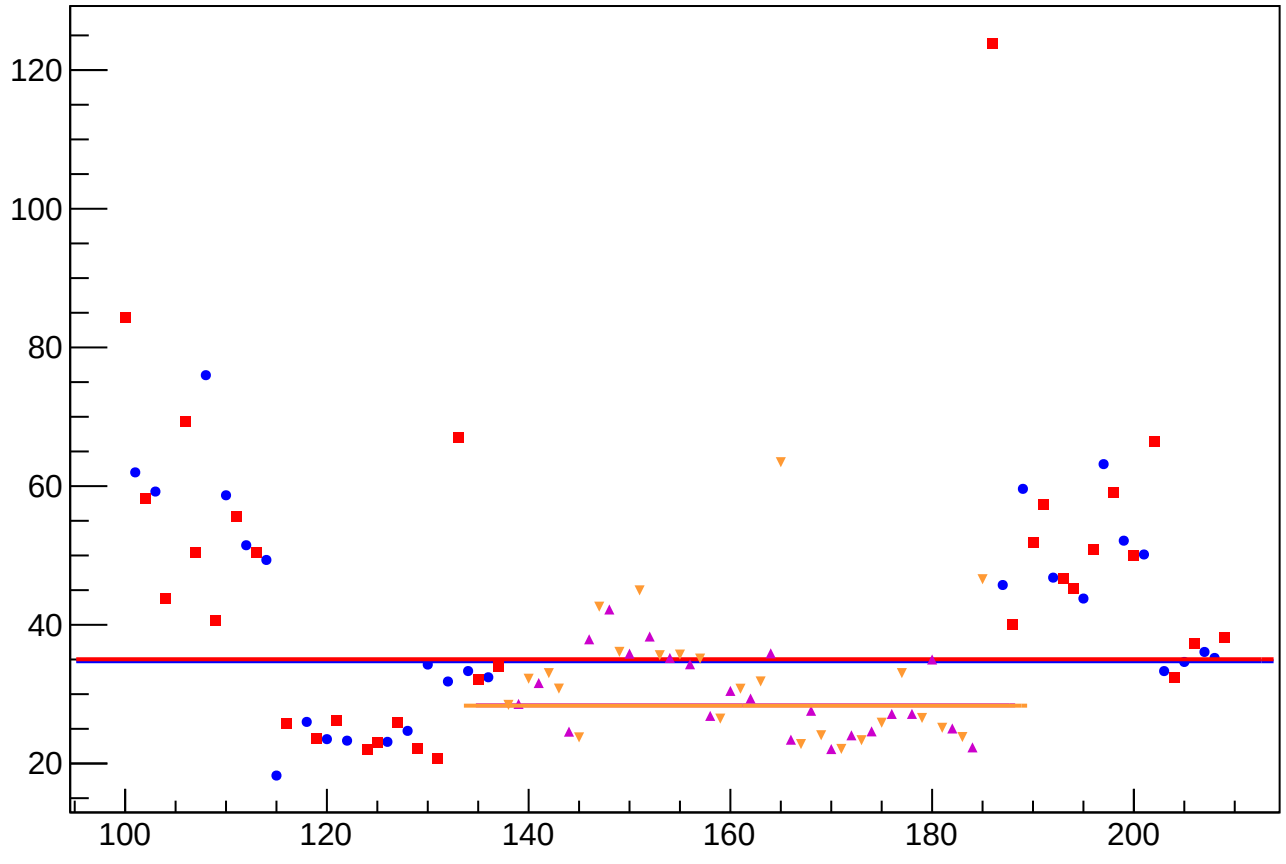
Right Out: -0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.007+/-0.004 χ^2/NDF: 127.7/106

- sign 0.002+/-0.006 χ^2/NDF: 54.0/54



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

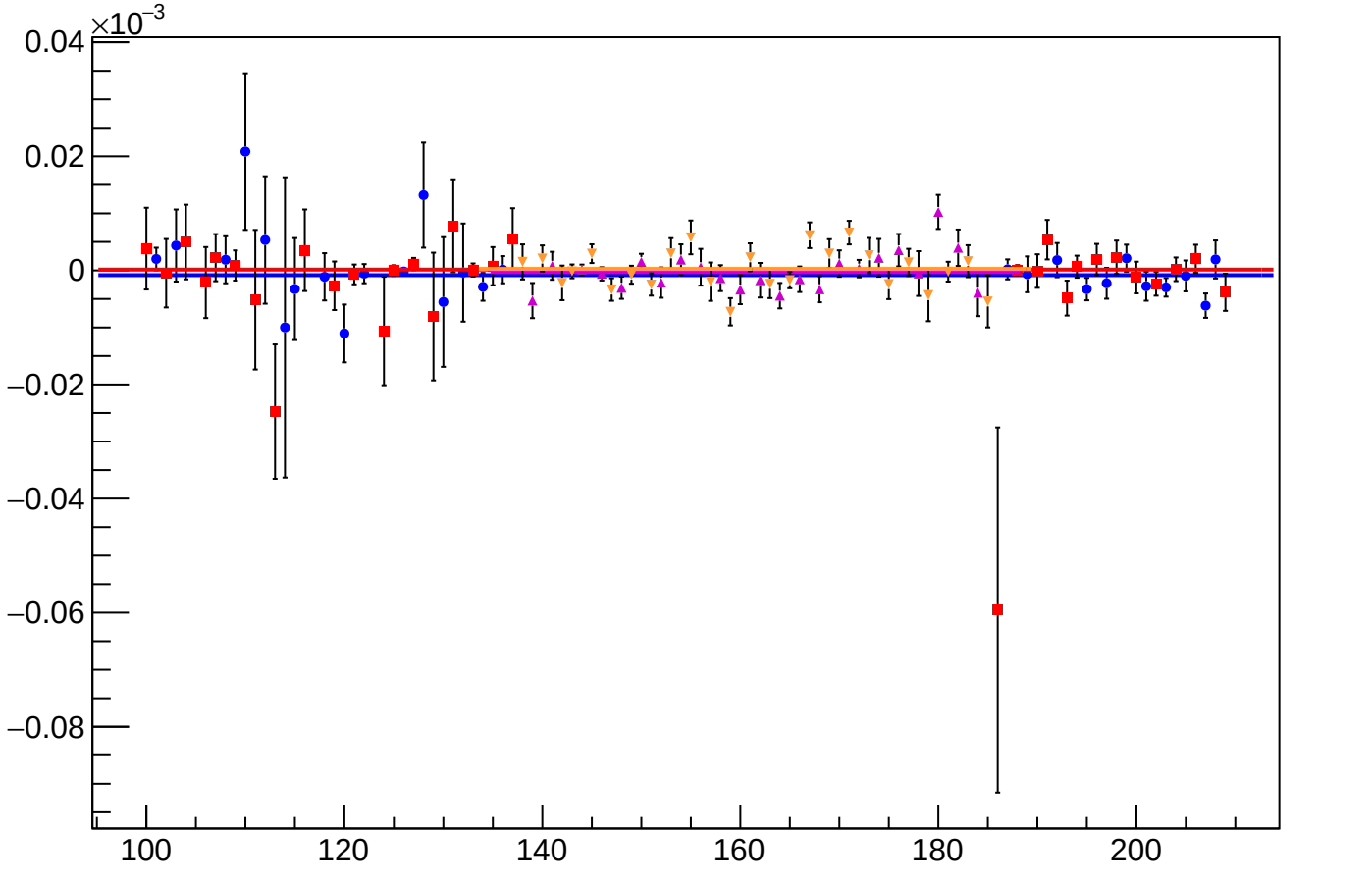
Right Out: 35.035+/-0.007 χ^2/NDF: 3989731.2/31

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378979.7/51

All: 30.614+/-0.003 χ^2/NDF: 11140555.7/106

- sign 30.762+/-0.004 χ^2/NDF: 5758716.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

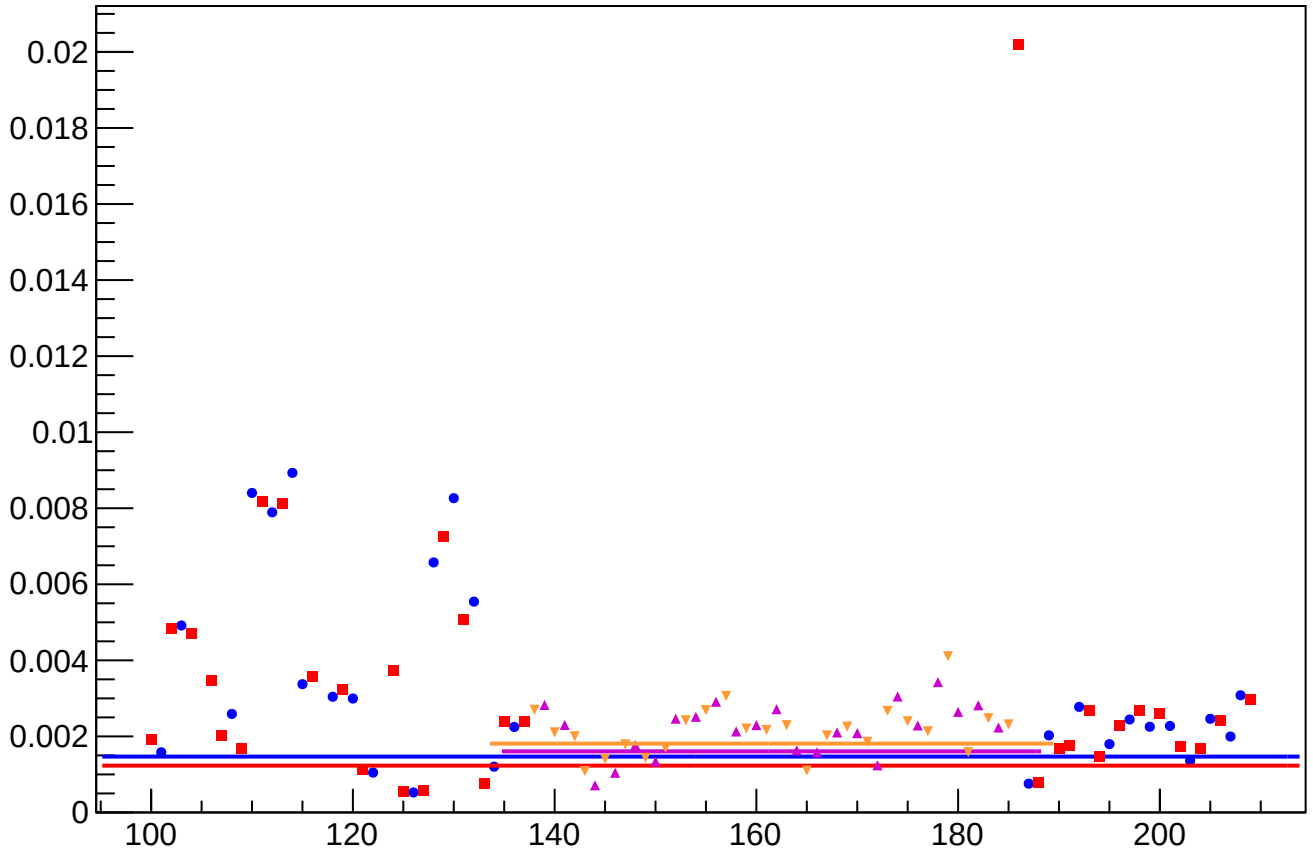
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/31

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.7/51

All: -0.000+/-0.000 χ^2/NDF: 140.4/106

- sign -0.000+/-0.000 χ^2/NDF: 58.5/54



Right In: 0.001+/-0.000 χ^2/NDF: 9743589.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

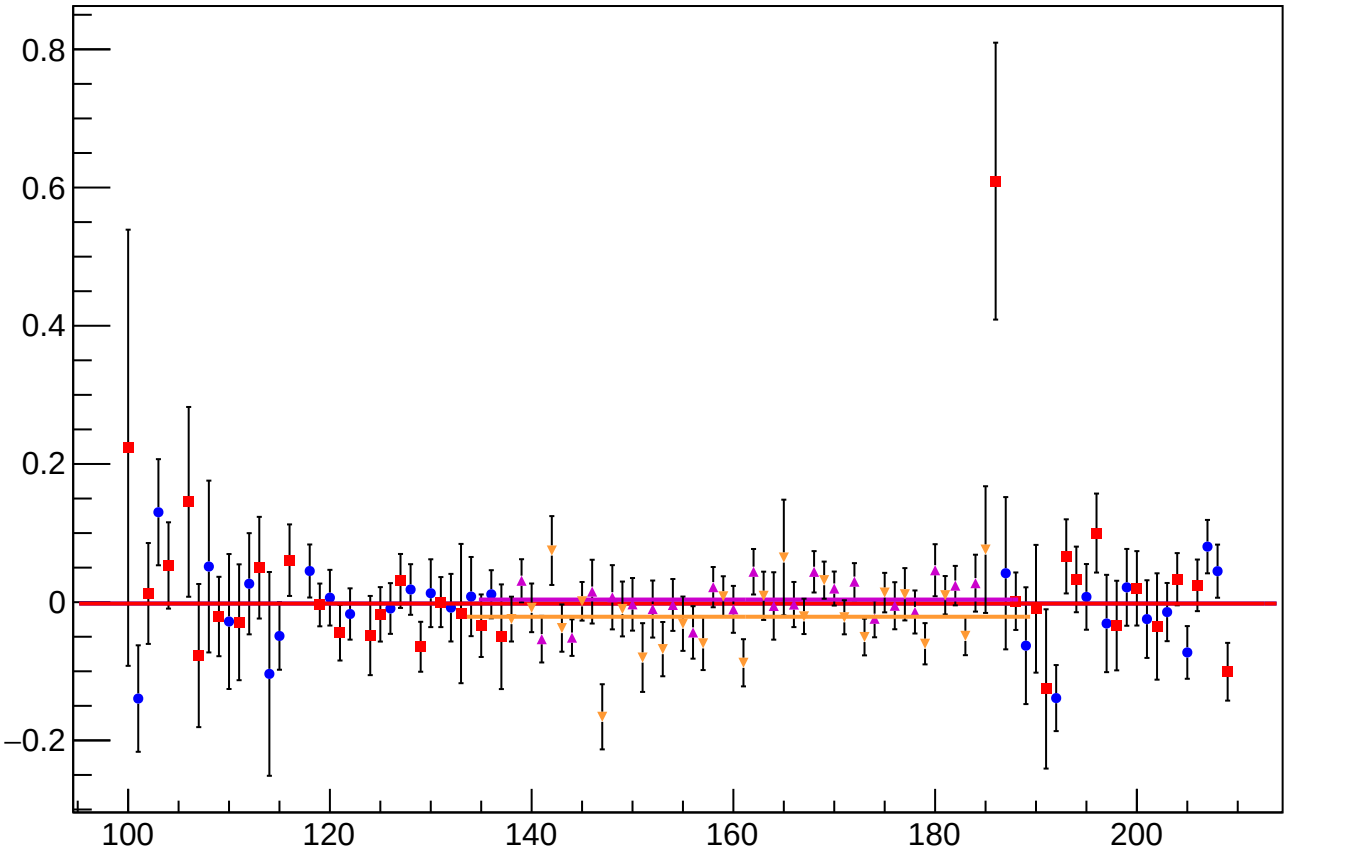
Right Out: 0.001+/-0.000 χ^2/NDF: 11624444.7/31

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13759537.5/51

All: 0.002+/-0.000 χ^2/NDF: 32937582.4/106

- sign 0.001+/-0.000 χ^2/NDF: 18510144.3/54



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

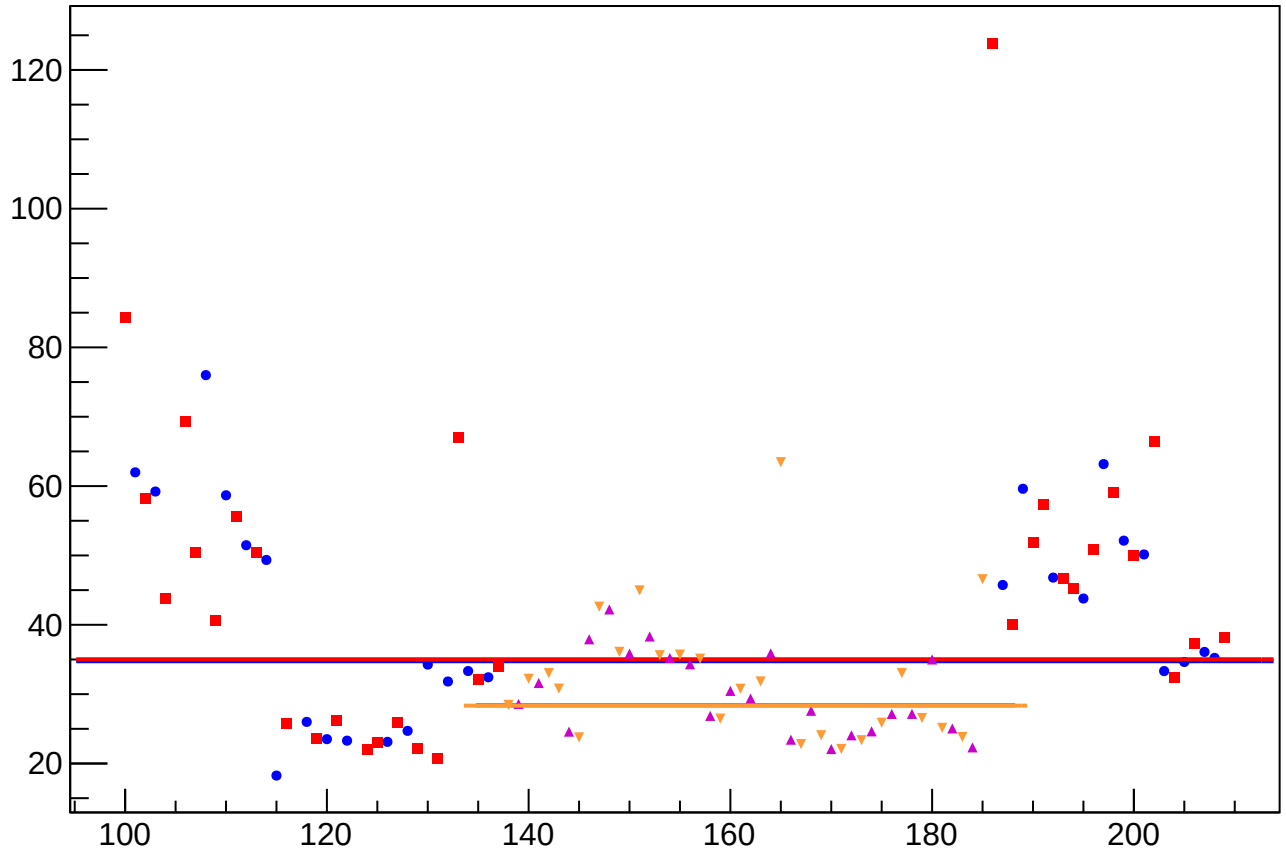
Right Out: -0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.007+/-0.004 χ^2/NDF: 127.7/106

- sign 0.002+/-0.006 χ^2/NDF: 54.0/54



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

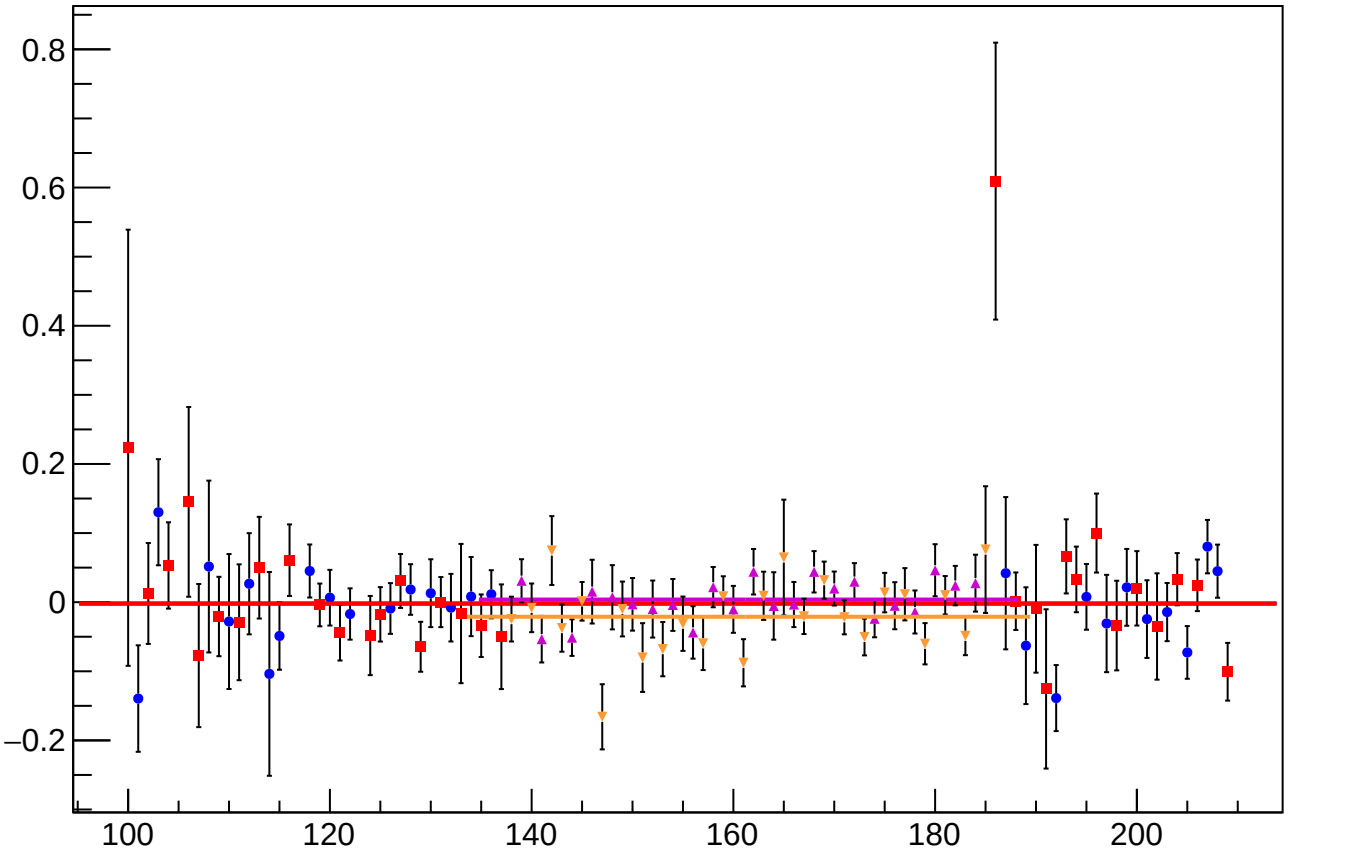
Right Out: 35.035+/-0.007 χ^2/NDF: 3989844.9/31

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378826.8/51

All: 30.614+/-0.003 χ^2/NDF: 11140388.6/106

- sign 30.762+/-0.004 χ^2/NDF: 5758702.2/54



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

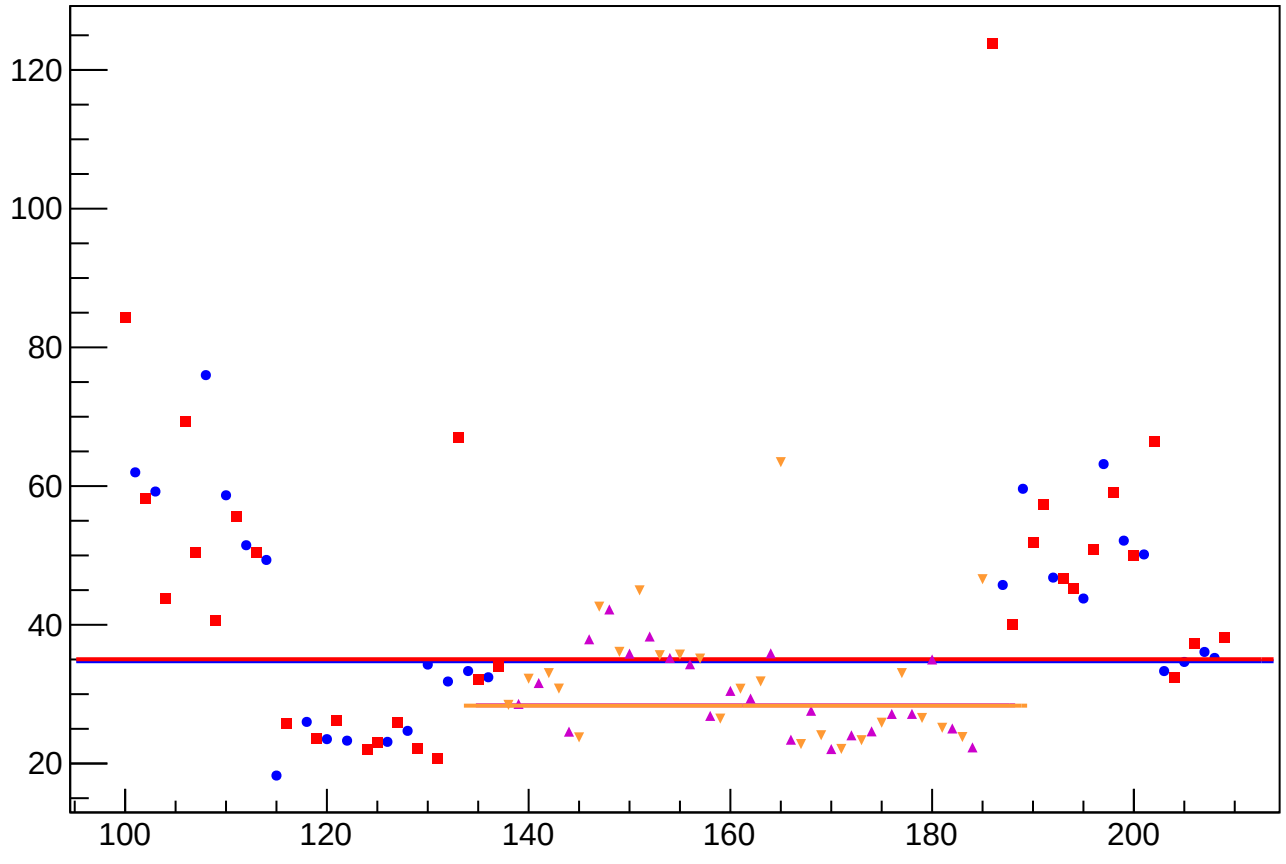
Right Out: -0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.005 χ^2/NDF: 69.2/51

All: -0.007+/-0.004 χ^2/NDF: 127.7/106

- sign 0.002+/-0.006 χ^2/NDF: 54.0/54



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

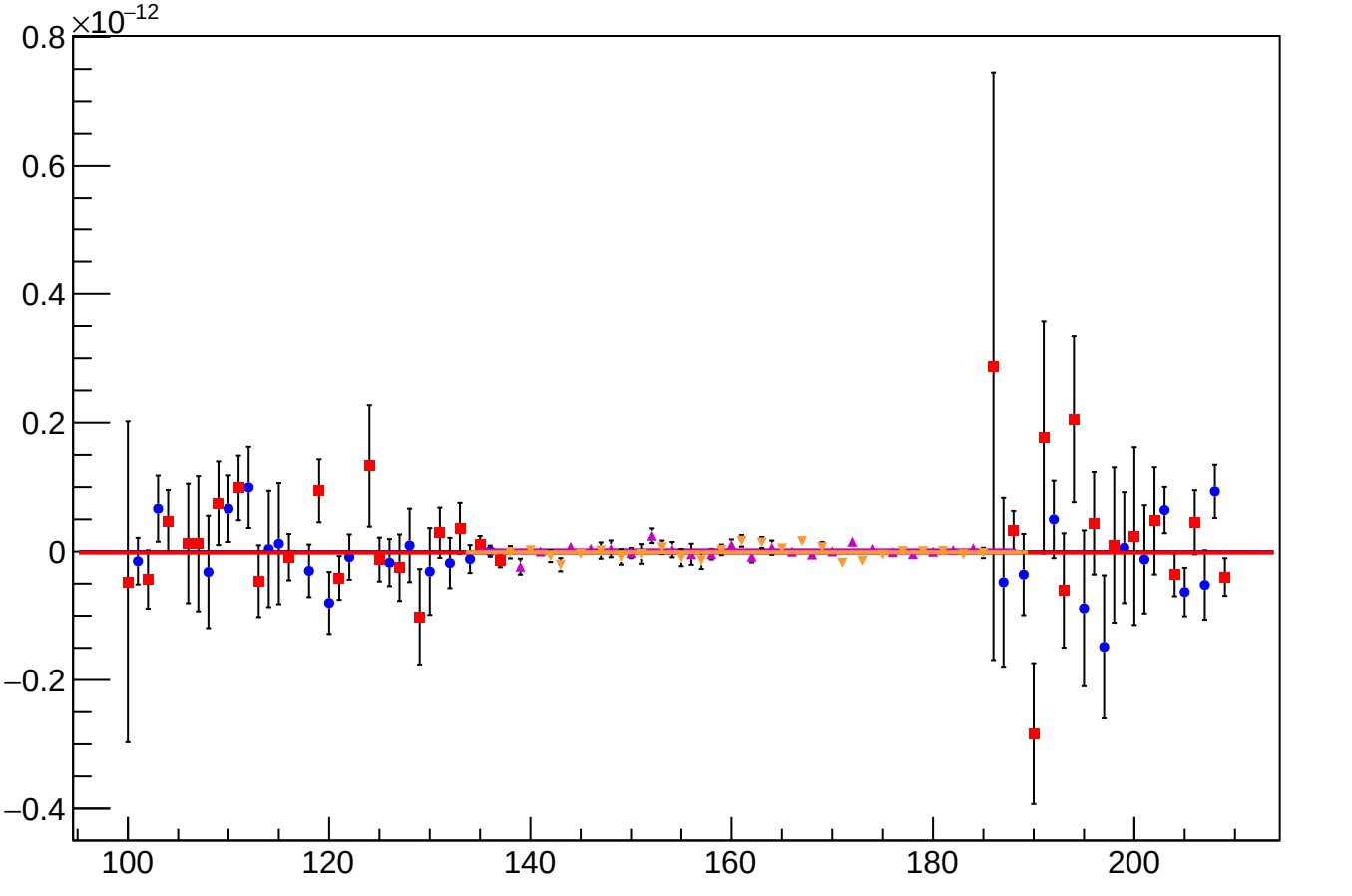
Right Out: 35.035+/-0.007 χ^2/NDF: 3989844.9/31

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.469+/-0.004 χ^2/NDF: 5378826.8/51

All: 30.614+/-0.003 χ^2/NDF: 11140388.6/106

- sign 30.762+/-0.004 χ^2/NDF: 5758702.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

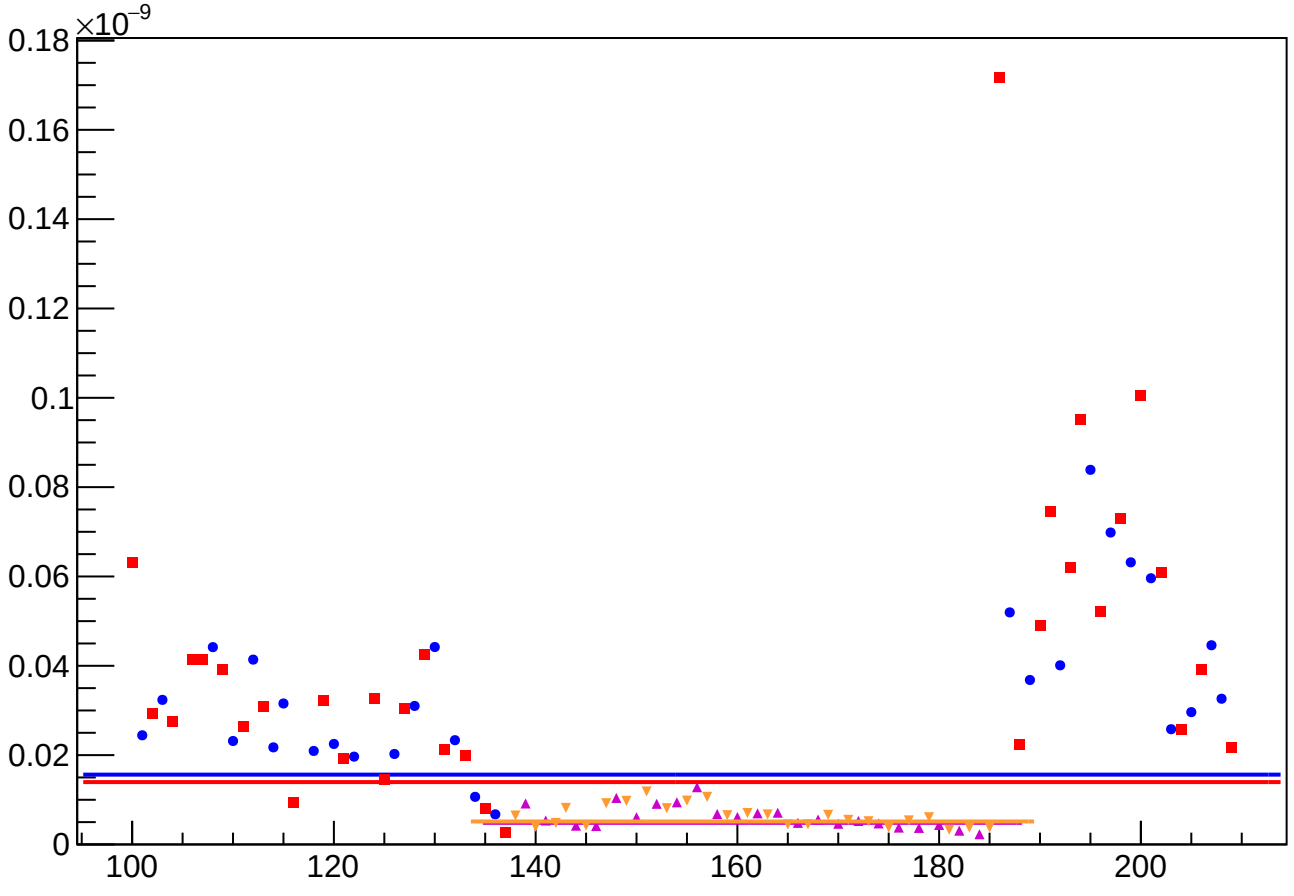
Right Out: -0.000+/-0.000 χ^2/NDF: 38.0/31

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.1/51

All: 0.000+/-0.000 χ^2/NDF: 119.7/106

- sign 0.000+/-0.000 χ^2/NDF: 57.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 8249405.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10743529.0/31

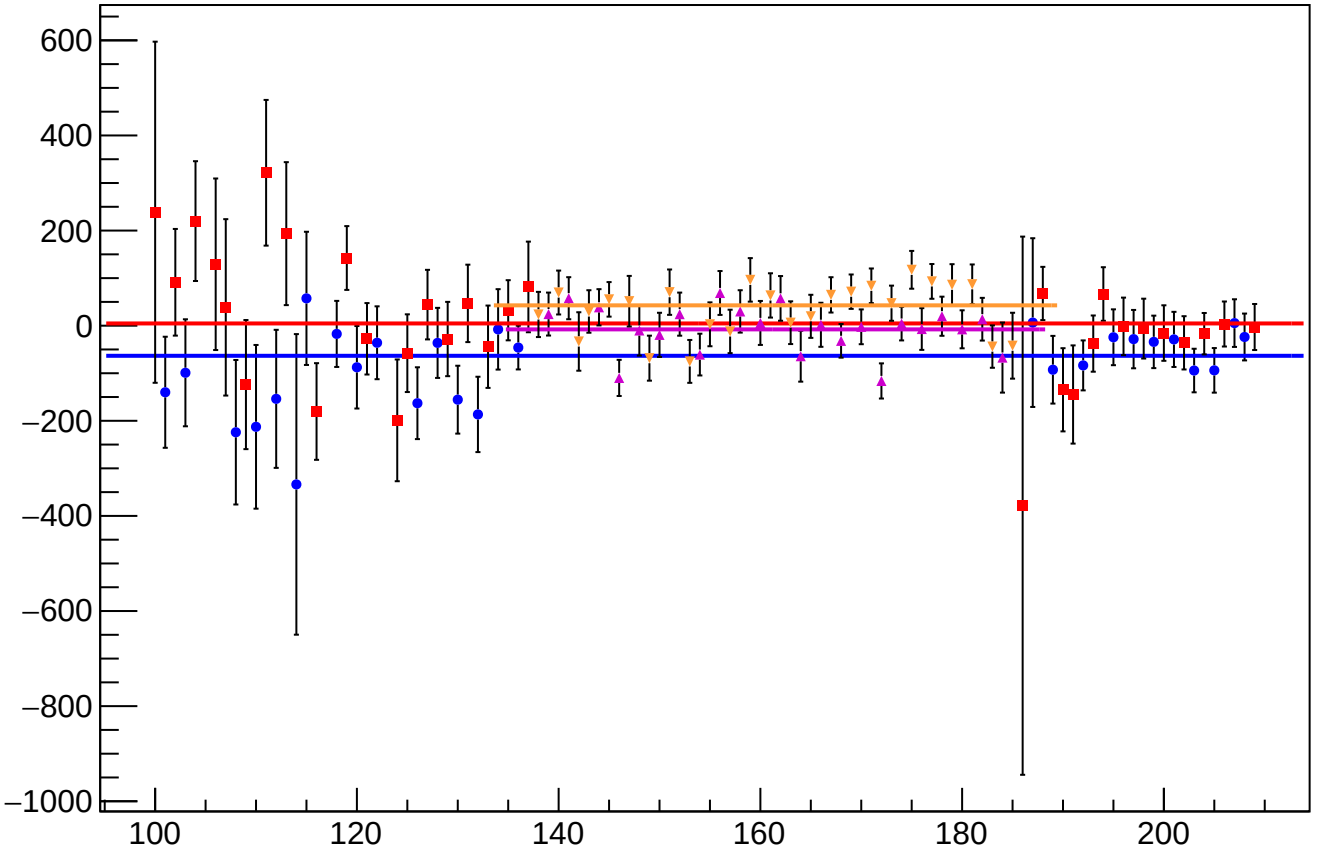
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16484077.7/51

All: 0.000+/-0.000 χ^2/NDF: 34552845.1/106

- sign 0.000+/-0.000 χ^2/NDF: 18004771.6/54

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -63.317+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 4.700+/-13.197 χ^2/NDF: 33.0/31

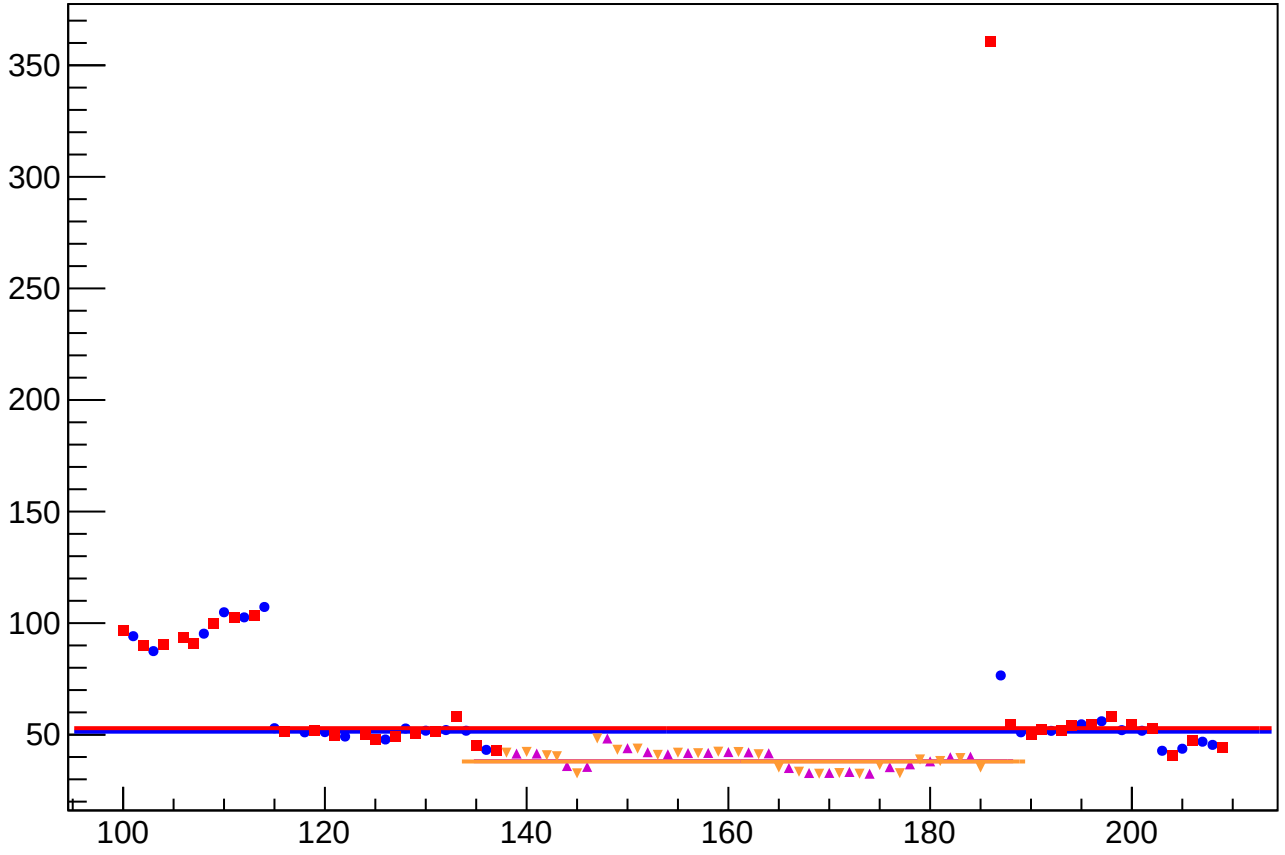
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 10.831+/-7.272 χ^2/NDF: 96.3/51

All: 3.646+/-5.194 χ^2/NDF: 162.4/106

- sign -3.836+/-7.421 χ^2/NDF: 64.2/54

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.4/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.920+/-0.009 χ^2/NDF: 2235660.1/31

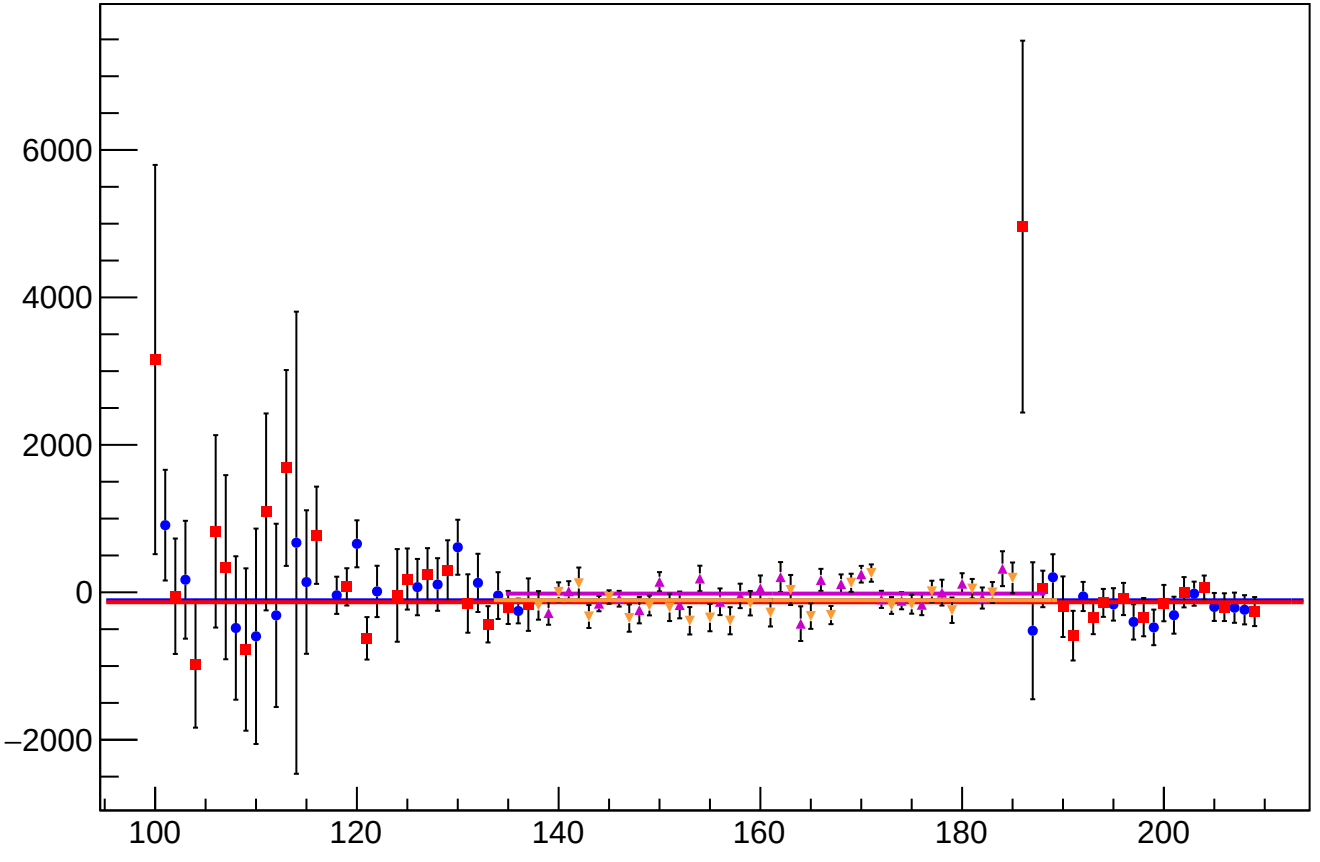
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF: 3378394.5/51

All: 42.402+/-0.004 χ^2/NDF: 7770968.7/106

- sign 42.808+/-0.005 χ^2/NDF: 4380846.8/54

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -108.369+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -134.491+/-53.134 χ^2/NDF: 26.4/31

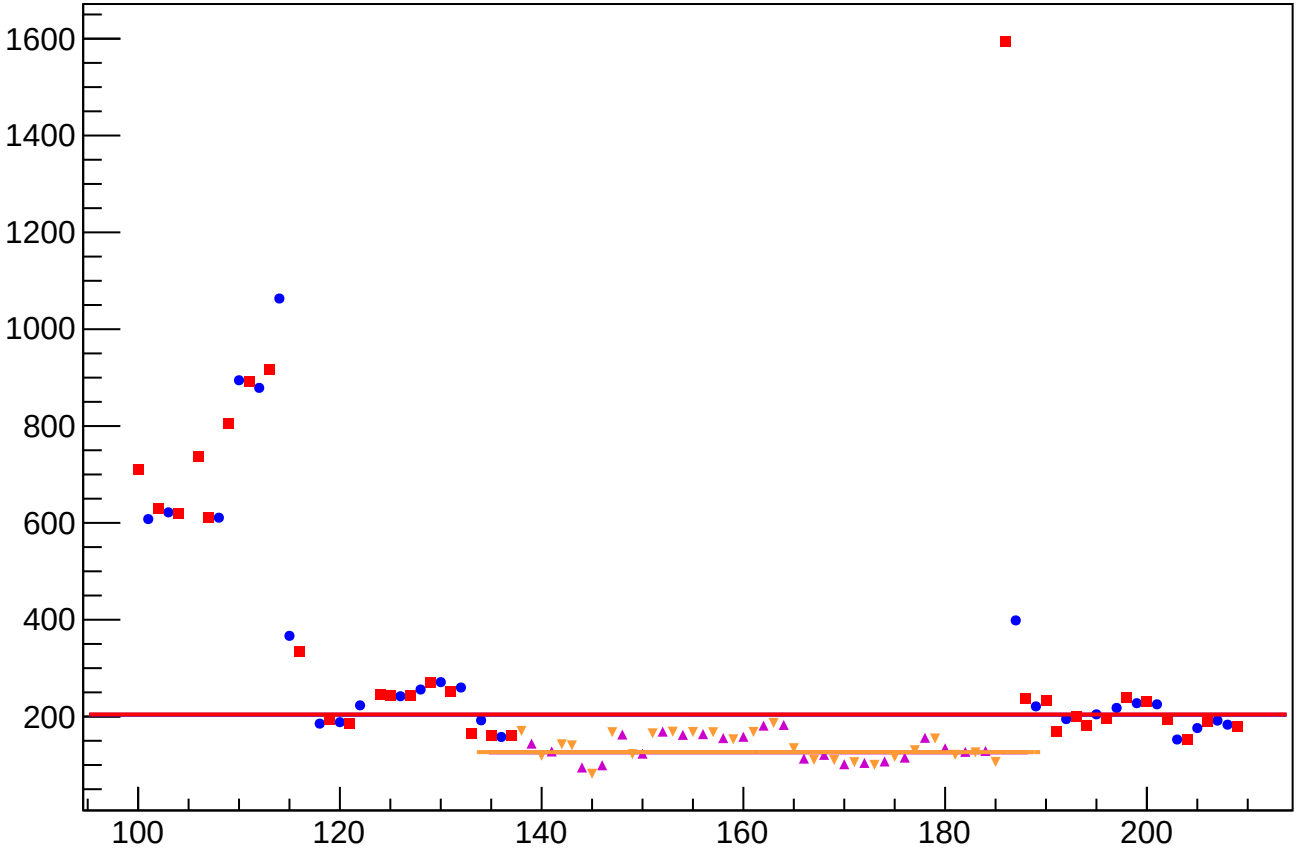
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.930+/-25.984 χ^2/NDF: 58.4/51

All: -76.799+/-18.465 χ^2/NDF: 119.5/106

- sign -46.058+/-26.246 χ^2/NDF: 58.3/54

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 203.827+/-0.039 χ^2/NDF: 3467645.1/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 204.302+/-0.038 χ^2/NDF: 4768419.5/31

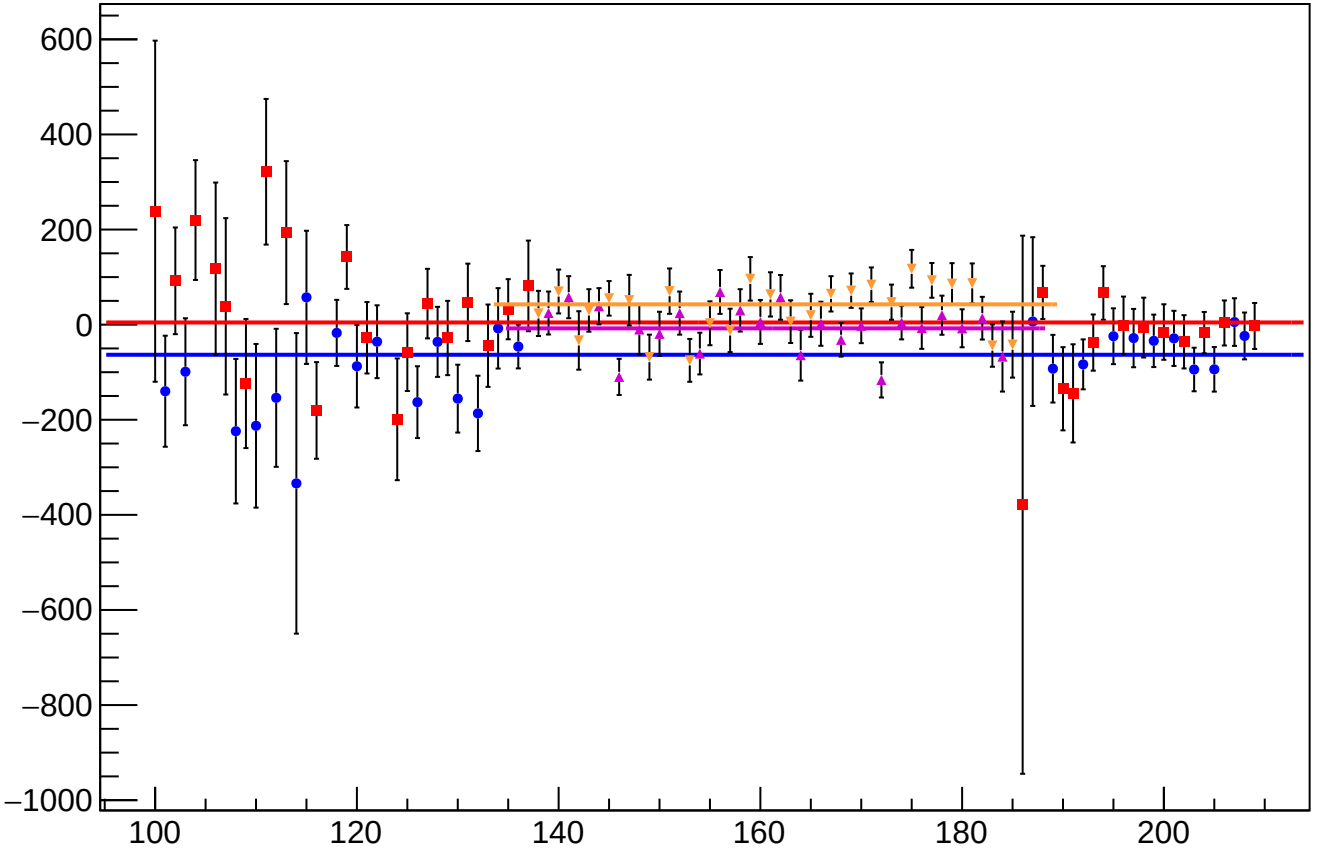
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 144.138+/-0.018 χ^2/NDF: 8333737.7/51

All: 144.622+/-0.013 χ^2/NDF: 17796767.3/10

- sign 145.115+/-0.019 χ^2/NDF: 9461629.9/54

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 4.641+/-13.198 χ^2/NDF: 32.9/31

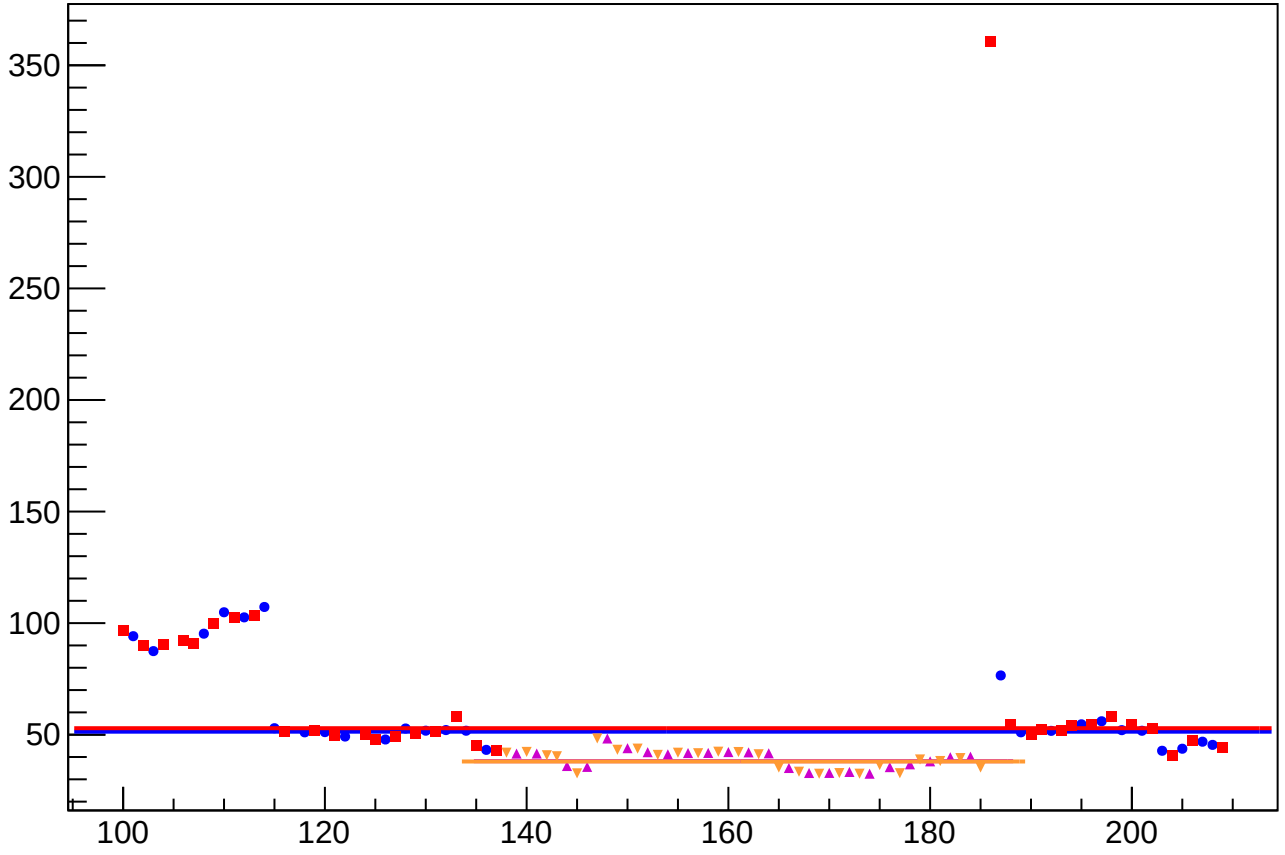
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 10.833+/-7.272 χ^2/NDF: 96.3/51

All: 3.638+/-5.194 χ^2/NDF: 162.4/106

- sign -3.856+/-7.421 χ^2/NDF: 64.1/54

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

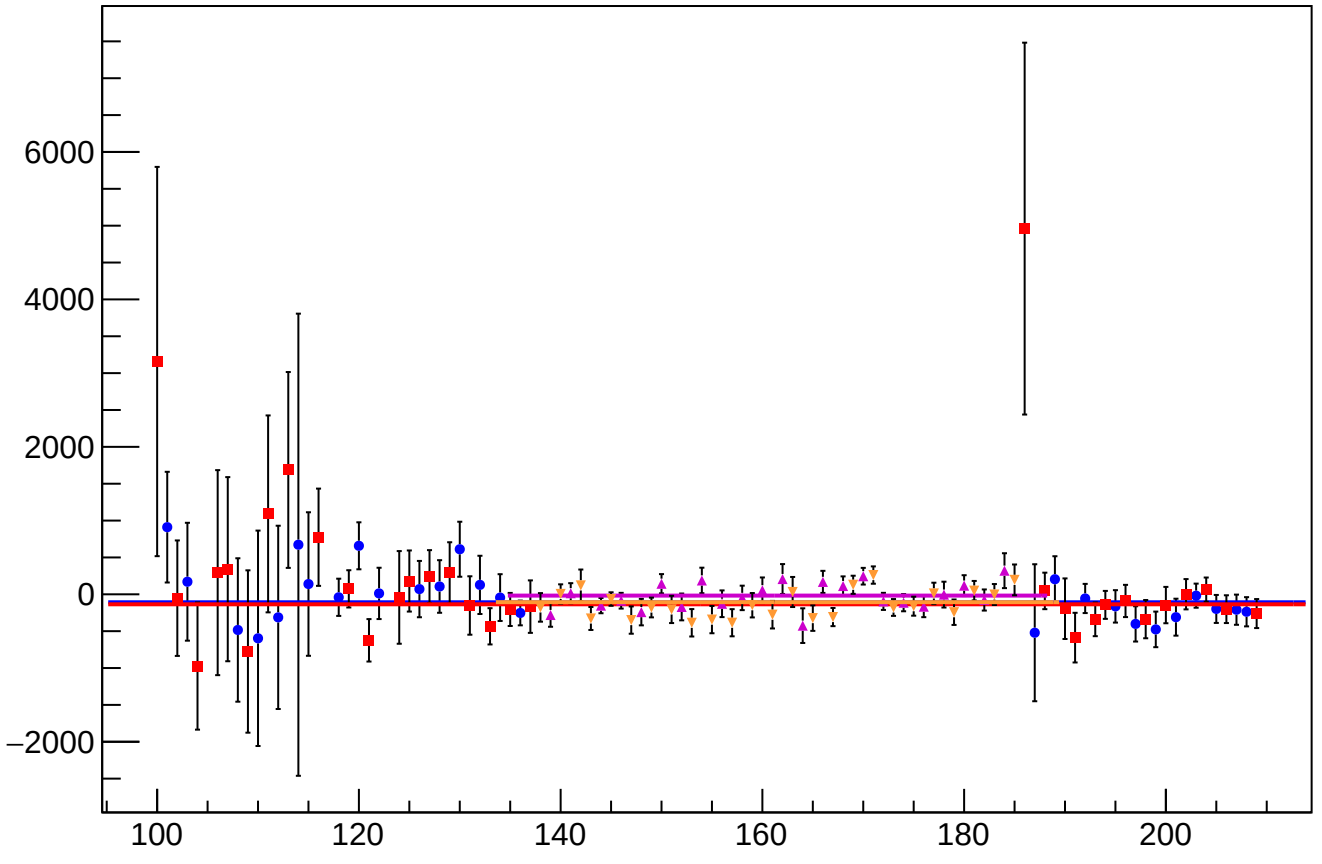
Right Out: 52.909+/-0.009 χ^2/NDF: 2227149.4/31

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF: 3378394.7/51

All: 42.401+/-0.004 χ^2/NDF: 7759801.3/106

- sign 42.805+/-0.005 χ^2/NDF: 4369784.8/54



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -135.448+/-53.139 χ^2/NDF: 25.9/31

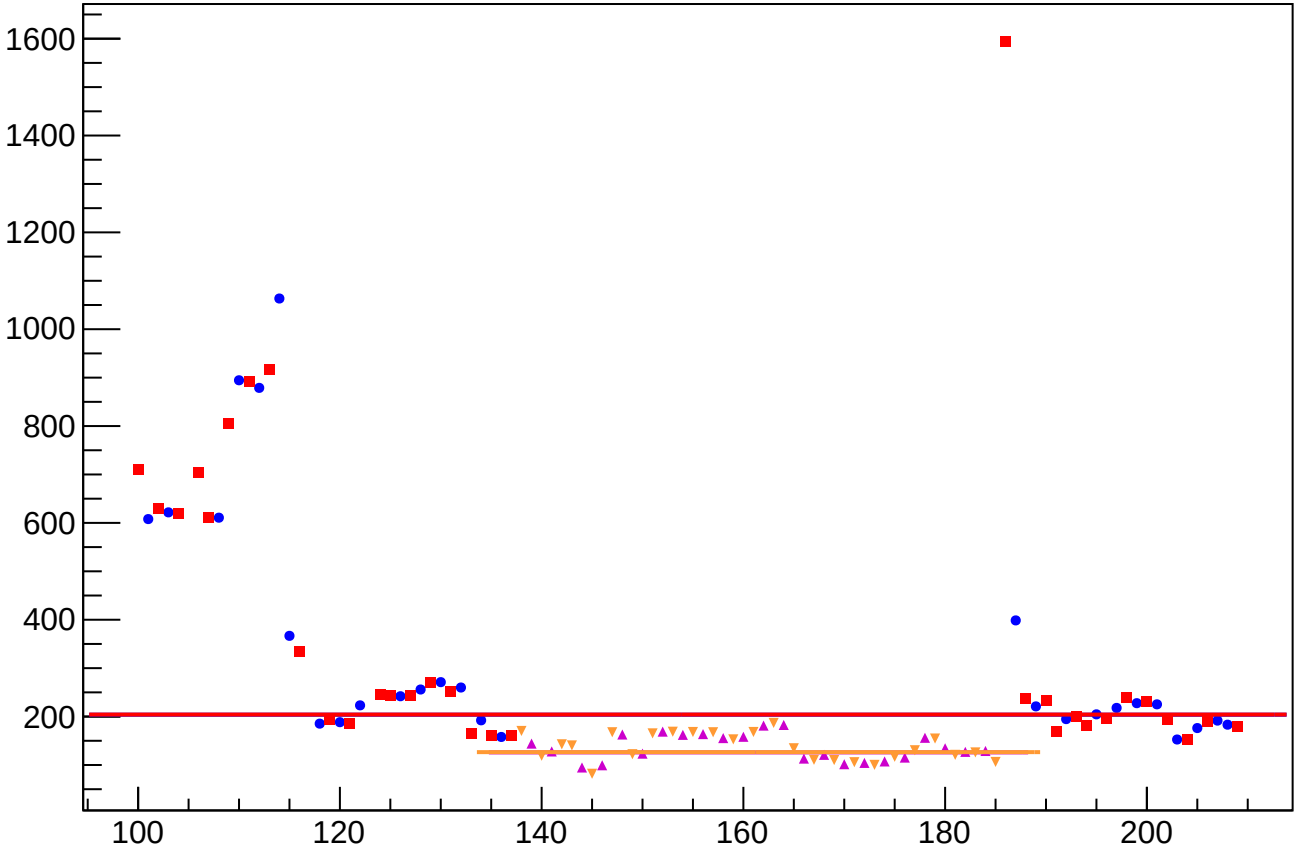
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.929+/-25.984 χ^2/NDF: 58.4/51

All: -76.913+/-18.465 χ^2/NDF: 119.0/106

- sign -46.287+/-26.246 χ^2/NDF: 57.9/54

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.150+/-0.038 χ^2/NDF: 4694858.5/31

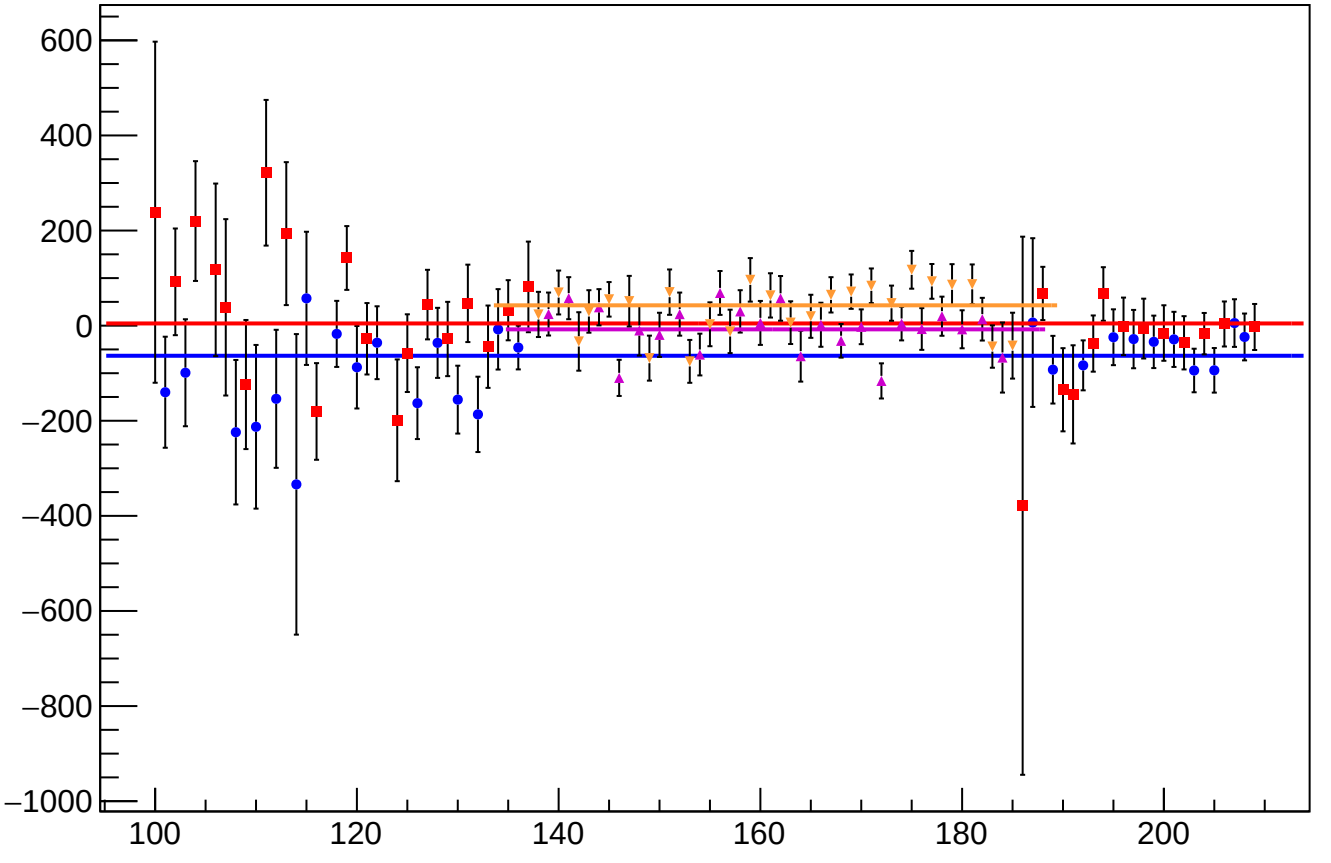
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 144.138+/-0.018 χ^2/NDF: 8333733.1/51

All: 144.602+/-0.013 χ^2/NDF: 17709860.9/10

- sign 145.075+/-0.019 χ^2/NDF: 9374840.9/54

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 4.641+/-13.198 χ^2/NDF: 32.9/31

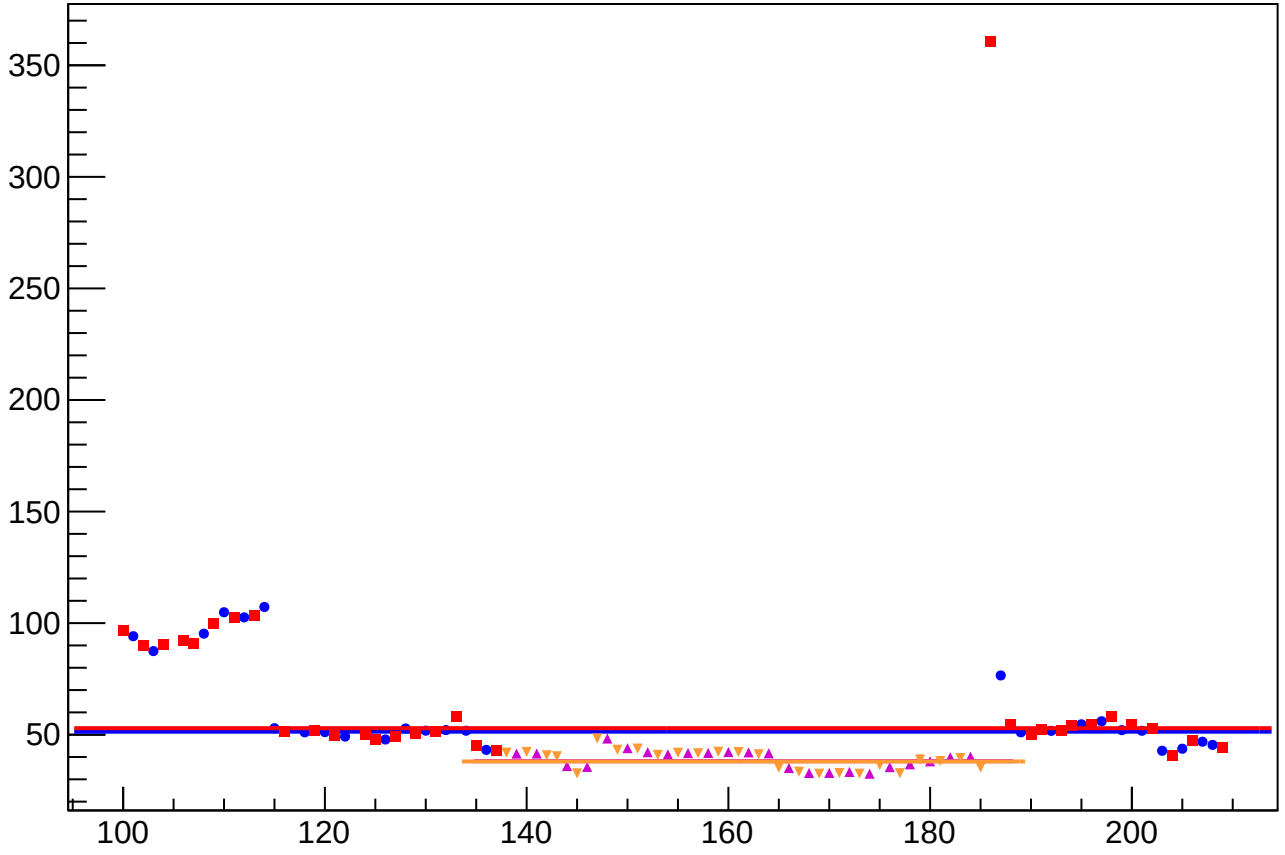
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 10.833+/-7.272 χ^2/NDF: 96.3/51

All: 3.638+/-5.194 χ^2/NDF: 162.4/106

- sign -3.856+/-7.421 χ^2/NDF: 64.1/54

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

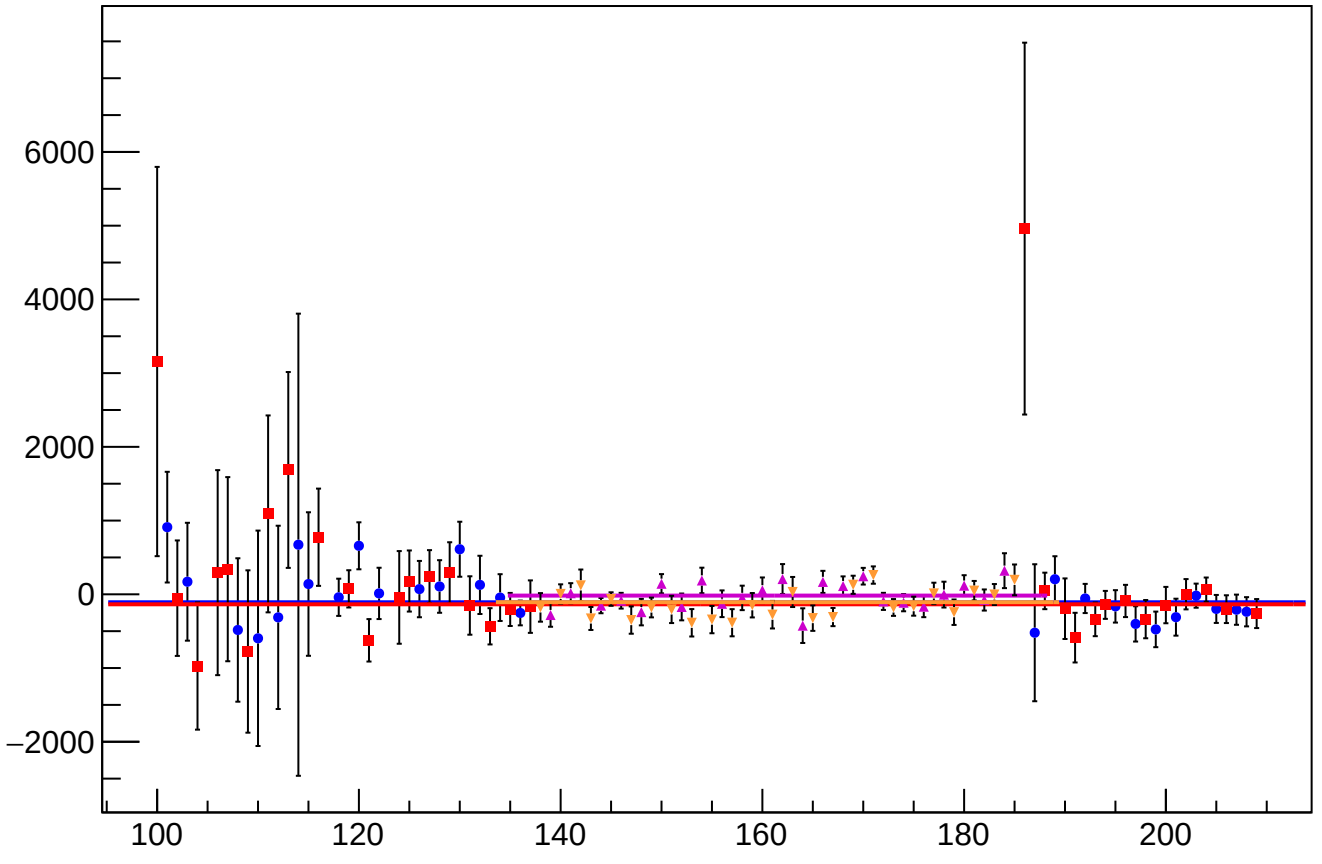
Right Out: 52.909+/-0.009 χ^2/NDF: 2227149.4/31

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.013+/-0.005 χ^2/NDF: 3378394.7/51

All: 42.401+/-0.004 χ^2/NDF: 7759801.3/106

- sign 42.805+/-0.005 χ^2/NDF: 4369784.8/54



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

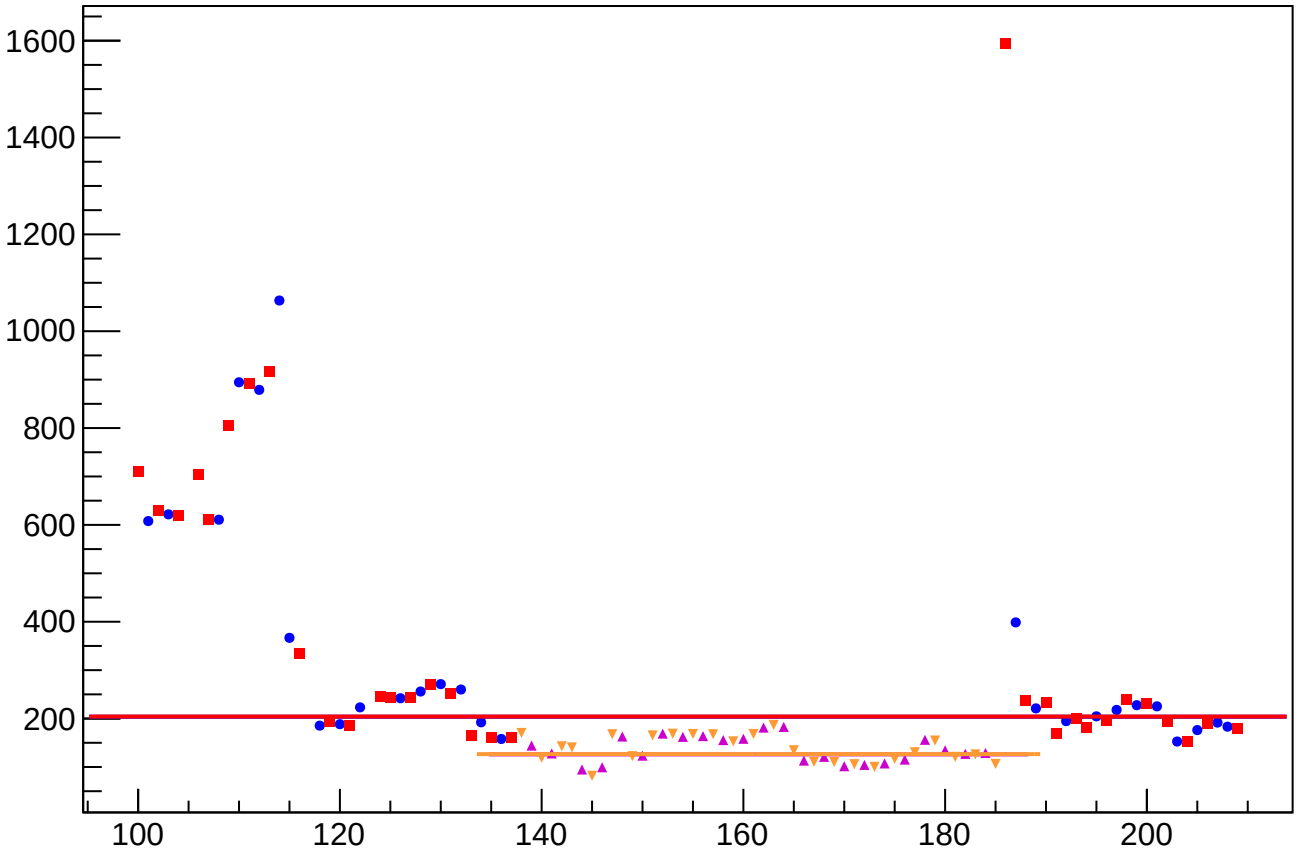
Right Out: -135.448+/-53.139 χ^2/NDF: 25.9/31

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -106.929+/-25.984 χ^2/NDF: 58.4/51

All: -76.913+/-18.465 χ^2/NDF: 119.0/106

- sign -46.287+/-26.246 χ^2/NDF: 57.9/54



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.150+/-0.038 χ^2/NDF: 4694858.5/31

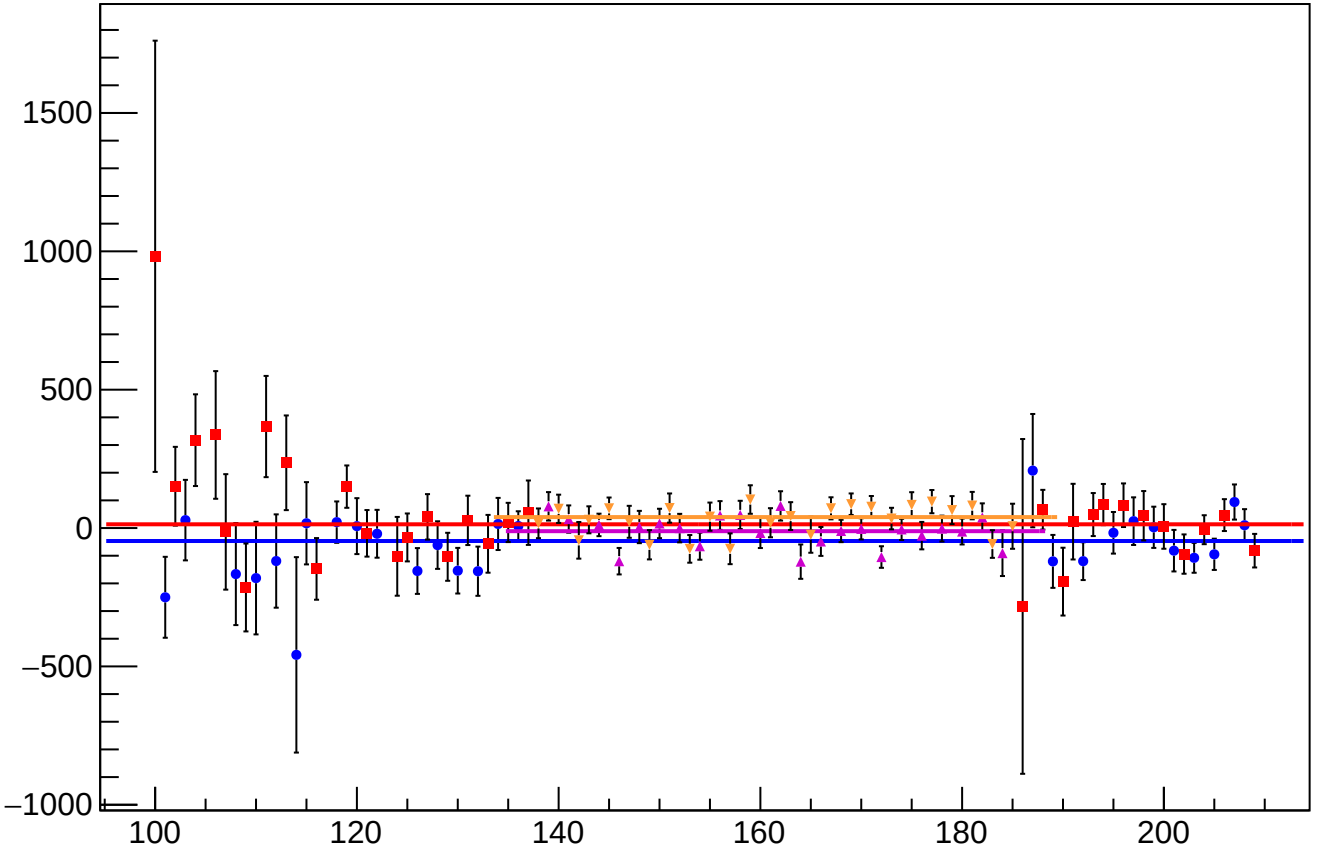
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 144.138+/-0.018 χ^2/NDF: 8333733.1/51

All: 144.602+/-0.013 χ^2/NDF: 17709860.9/10

- sign 145.075+/-0.019 χ^2/NDF: 9374840.9/54

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 13.546+/-16.178 χ^2/NDF: 35.1/31

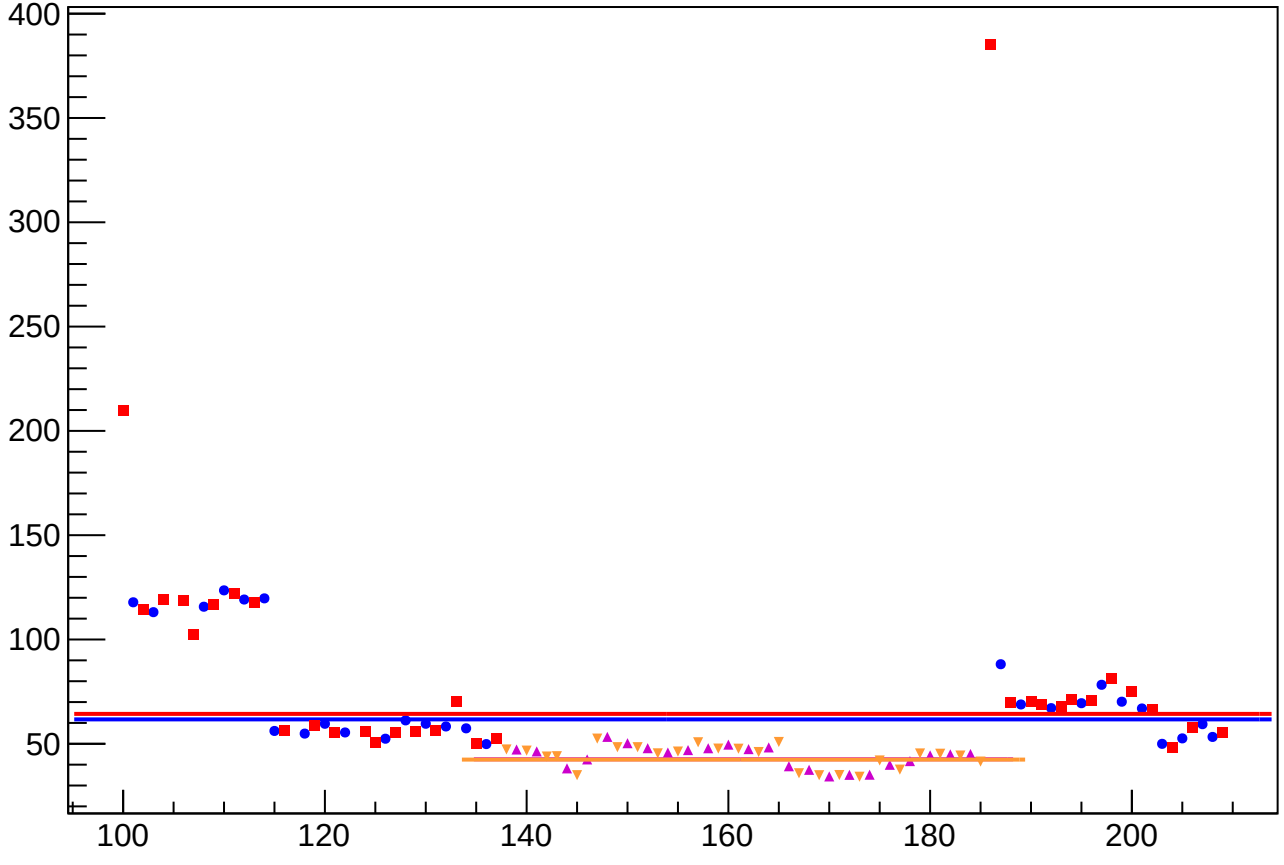
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 16.275+/-8.329 χ^2/NDF: 75.9/51

All: 6.232+/-5.967 χ^2/NDF: 143.6/106

- sign -4.359+/-8.553 χ^2/NDF: 64.8/54

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.699+/-0.011 χ^2/NDF: 1729101.8/26

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.337+/-0.011 χ^2/NDF: 2574054.1/31

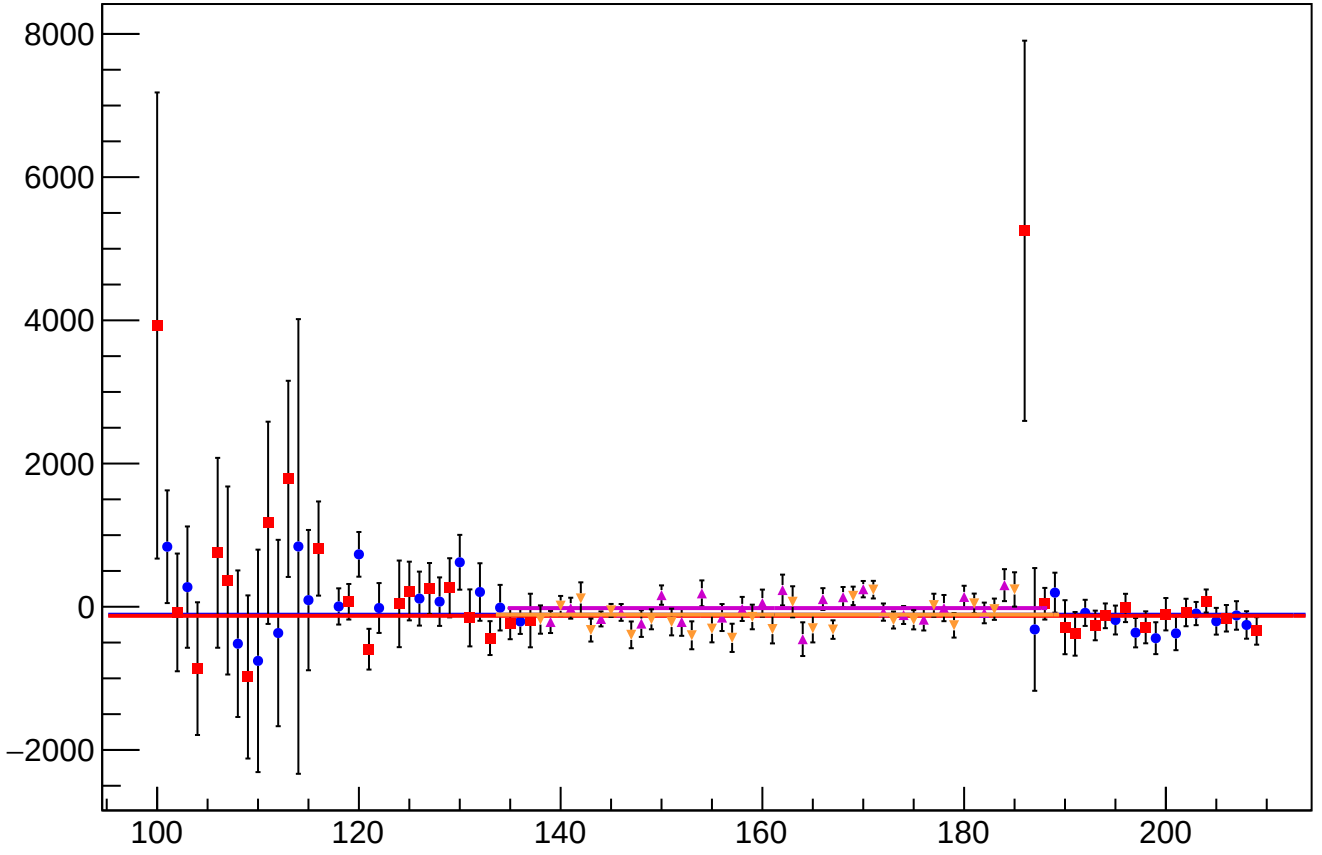
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.621+/-0.006 χ^2/NDF: 4536144.5/51

All: 48.127+/-0.004 χ^2/NDF: 10321503.7/106

- sign 48.661+/-0.006 χ^2/NDF: 5770174.3/54

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -111.245+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -126.468+/-50.373 χ^2/NDF: 26.1/31

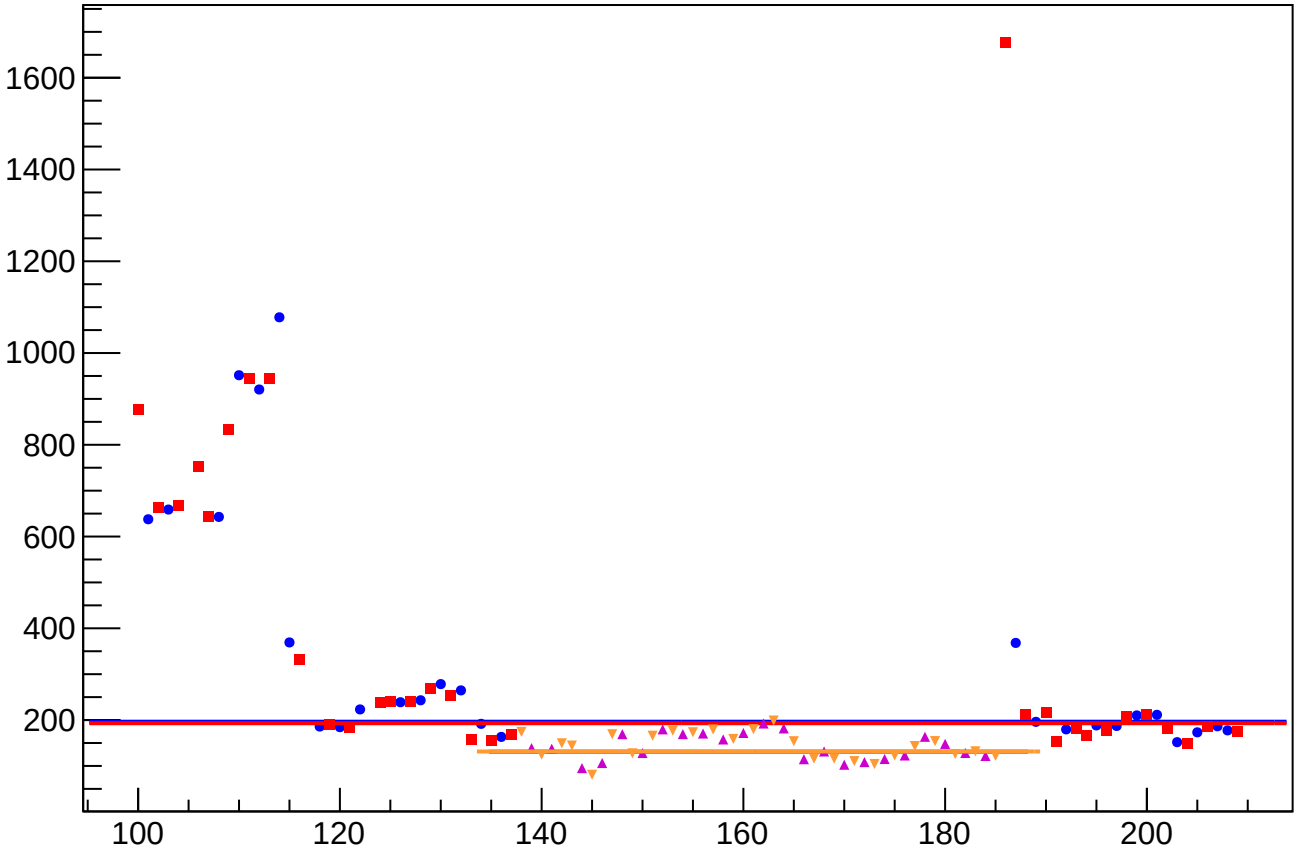
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -110.220+/-26.548 χ^2/NDF: 58.5/51

All: -79.809+/-18.824 χ^2/NDF: 117.7/106

- sign -49.062+/-26.694 χ^2/NDF: 56.6/54

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 196.423+/-0.037 χ^2/NDF: 3543712.0/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 193.101+/-0.036 χ^2/NDF: 4984922.6/31

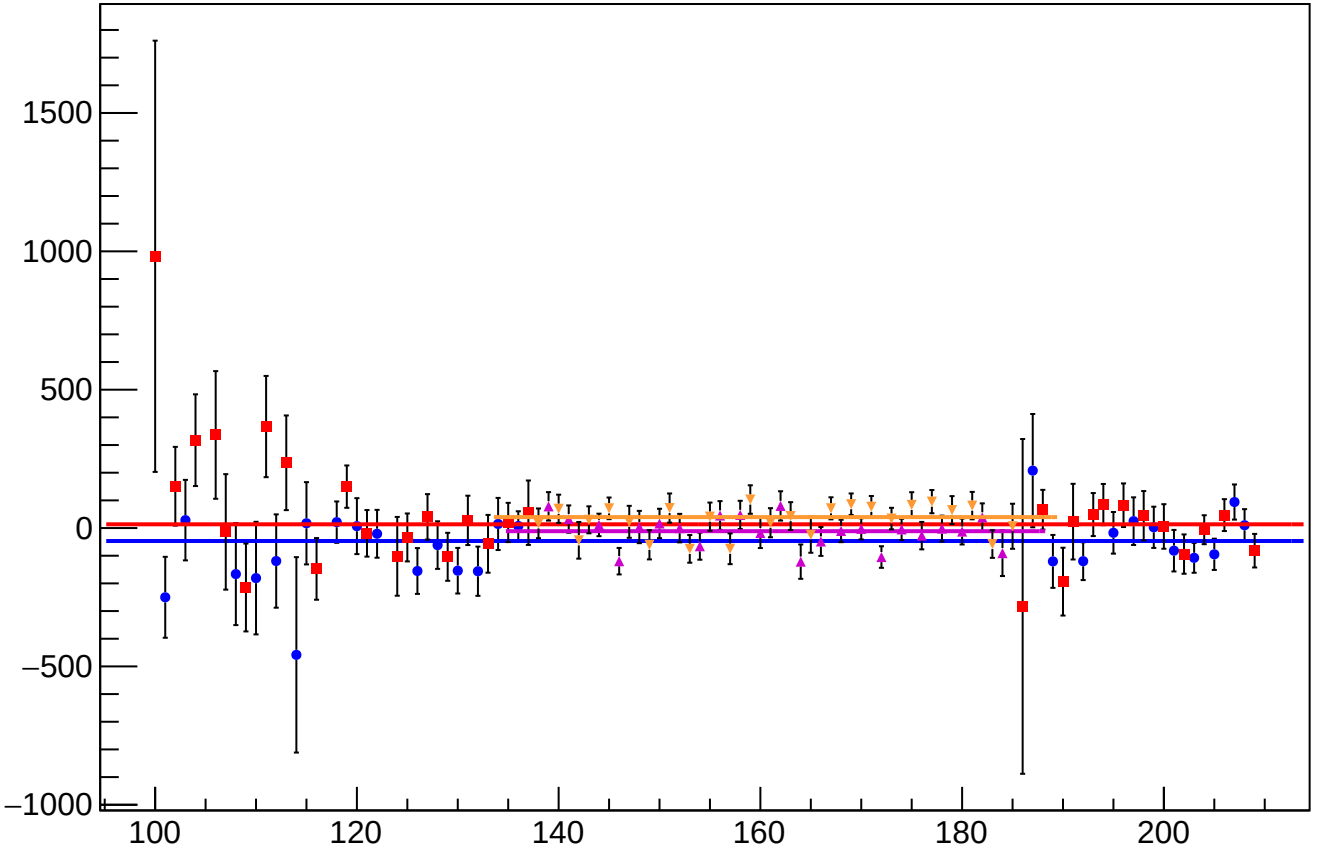
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 148.071+/-0.019 χ^2/NDF: 7718289.5/51

All: 148.280+/-0.013 χ^2/NDF: 16352149.7/10

- sign 148.492+/-0.019 χ^2/NDF: 8633609.8/54

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 13.547+/-16.178 χ^2/NDF: 35.1/31

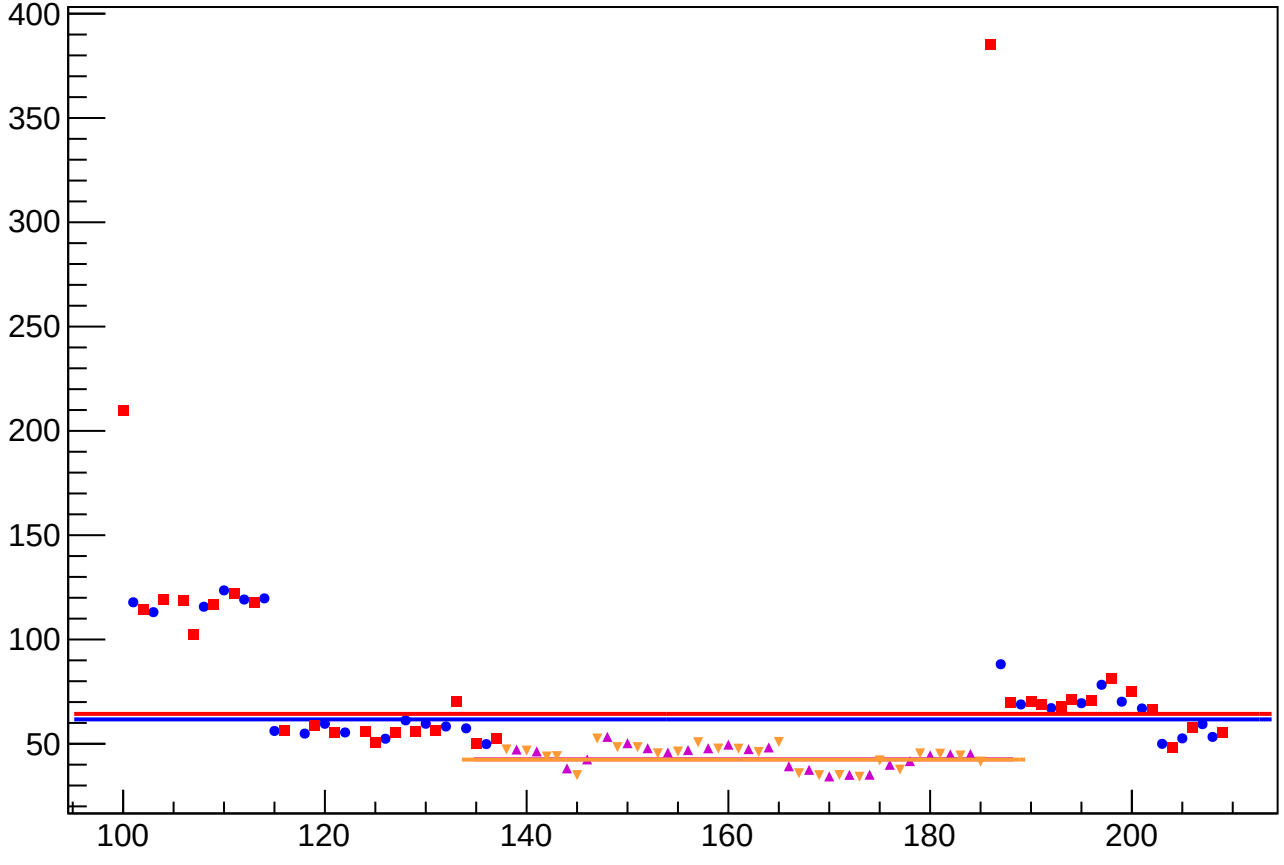
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 16.275+/-8.329 χ^2/NDF: 75.9/51

All: 6.233+/-5.967 χ^2/NDF: 143.6/106

- sign -4.359+/-8.553 χ^2/NDF: 64.8/54

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.699+/-0.011 χ^2/NDF: 1729085.2/26

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

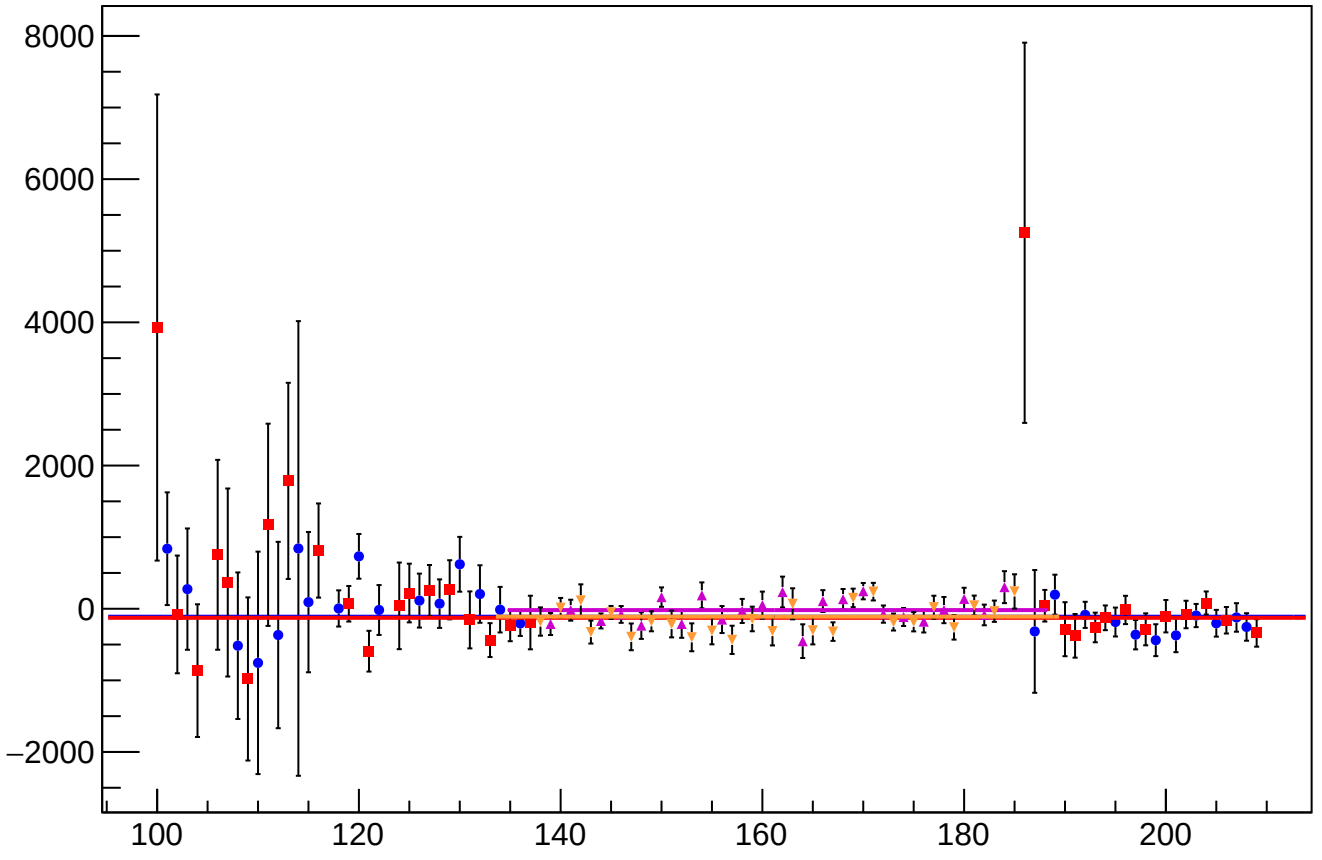
Right Out: 64.337+/-0.011 χ^2/NDF: 2574029.5/31

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.621+/-0.006 χ^2/NDF: 4536160.8/51

All: 48.127+/-0.004 χ^2/NDF: 10321537.0/106

- sign 48.661+/-0.006 χ^2/NDF: 5770188.2/54



Right In: -111.246+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

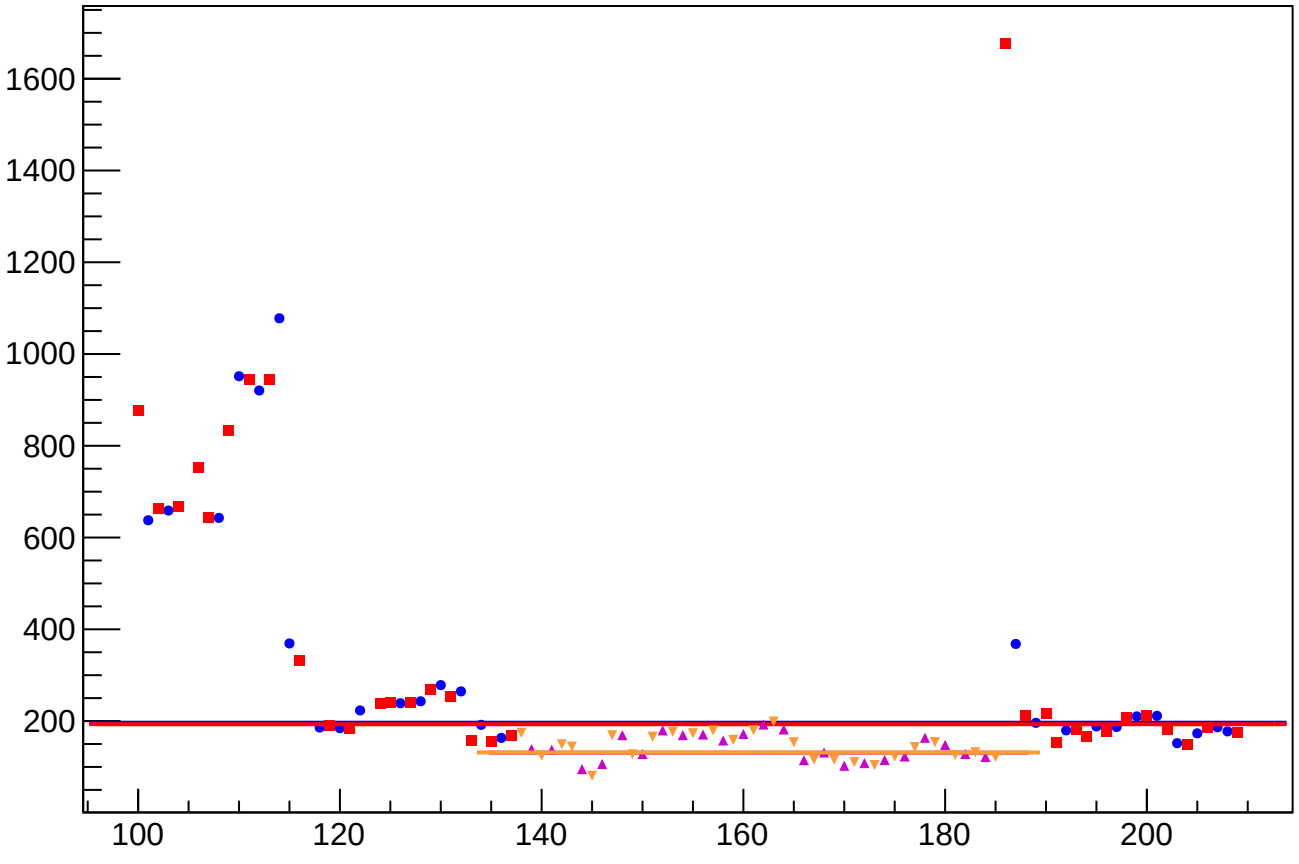
Right Out: -126.467+/-50.373 χ^2/NDF: 26.1/31

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -110.220+/-26.548 χ^2/NDF: 58.5/51

All: -79.809+/-18.824 χ^2/NDF: 117.7/106

- sign -49.062+/-26.694 χ^2/NDF: 56.6/54



Right In: 196.423+/-0.037 χ^2/NDF: 3543706.4/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

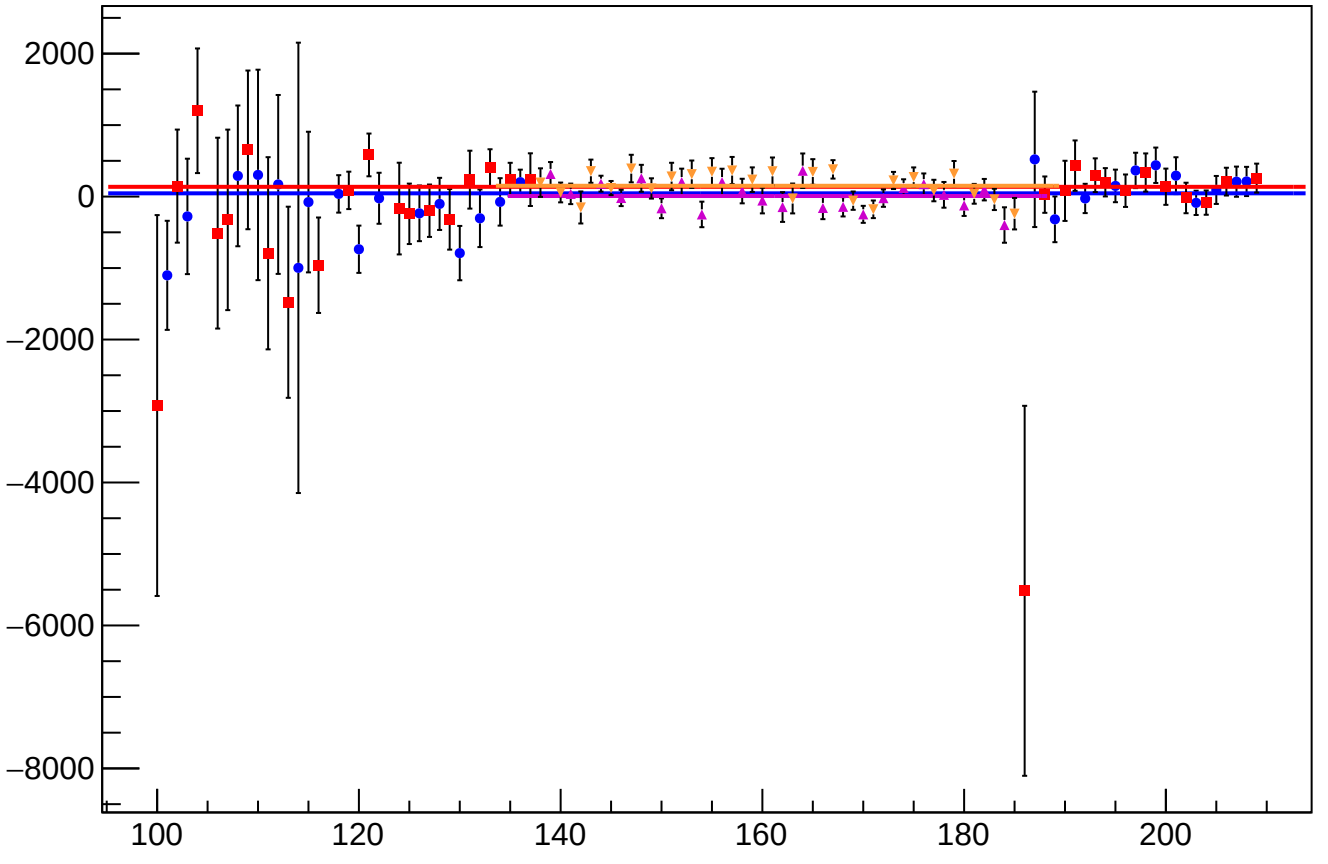
Right Out: 193.100+/-0.036 χ^2/NDF: 4984924.5/31

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 148.071+/-0.019 χ^2/NDF: 7718225.5/51

All: 148.280+/-0.013 χ^2/NDF: 16352038.4/10

- sign 148.492+/-0.019 χ^2/NDF: 8633562.6/54



Right In: 45.486+/-56.245 χ^2/NDF: 24.4/26

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 136.477+/-54.976 χ^2/NDF: 24.3/31

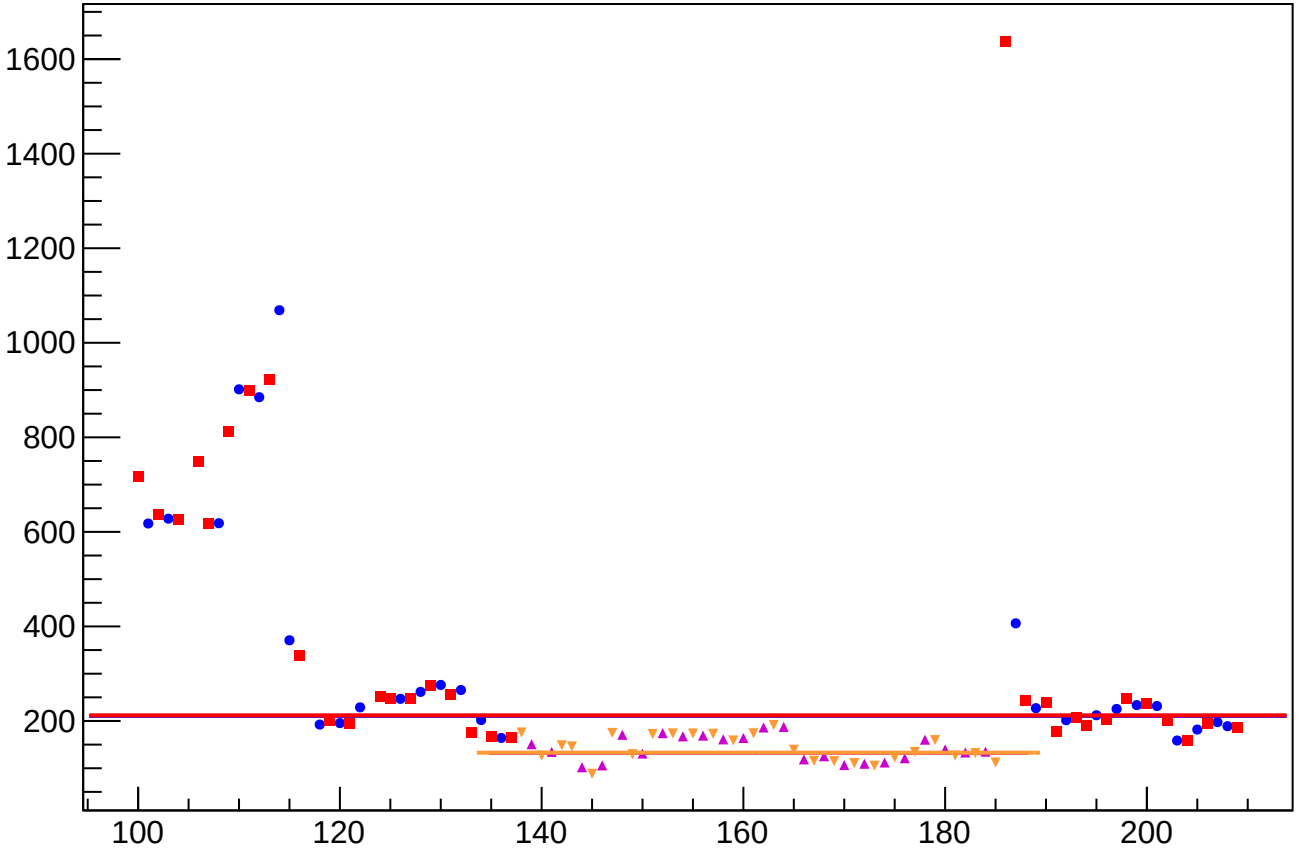
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 126.557+/-27.117 χ^2/NDF: 60.2/51

All: 83.692+/-19.277 χ^2/NDF: 123.1/106

- sign 39.894+/-27.410 χ^2/NDF: 57.8/54

asym_sam_37_26_dd_rms vs Slug



Right In: 210.831+/-0.040 χ^2/NDF: 3378031.7/26

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

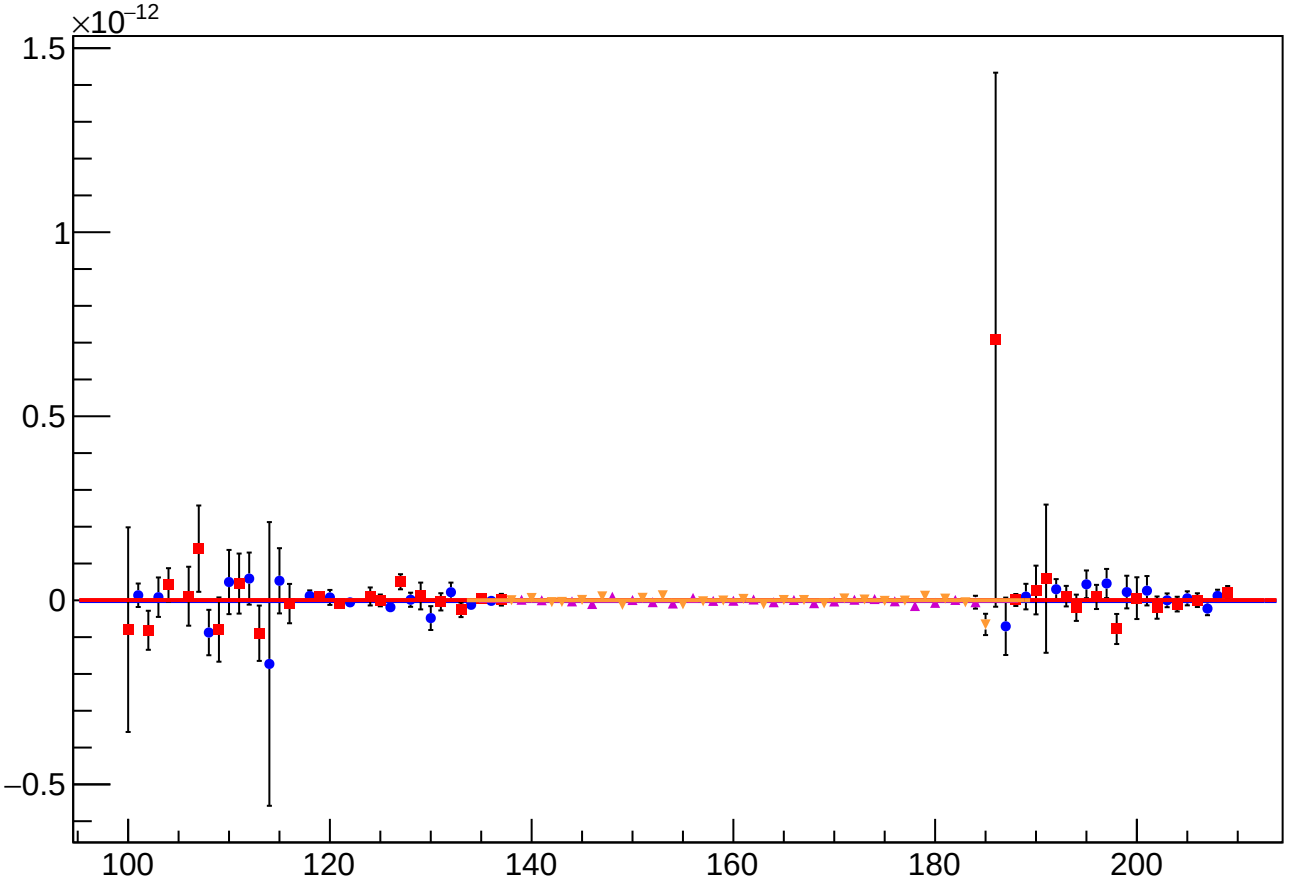
Right Out: 211.873+/-0.039 χ^2/NDF: 4647317.6/31

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 150.996+/-0.019 χ^2/NDF: 7919251.5/51

All: 151.548+/-0.014 χ^2/NDF: 16991126.7/10

- sign 152.113+/-0.019 χ^2/NDF: 9070196.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

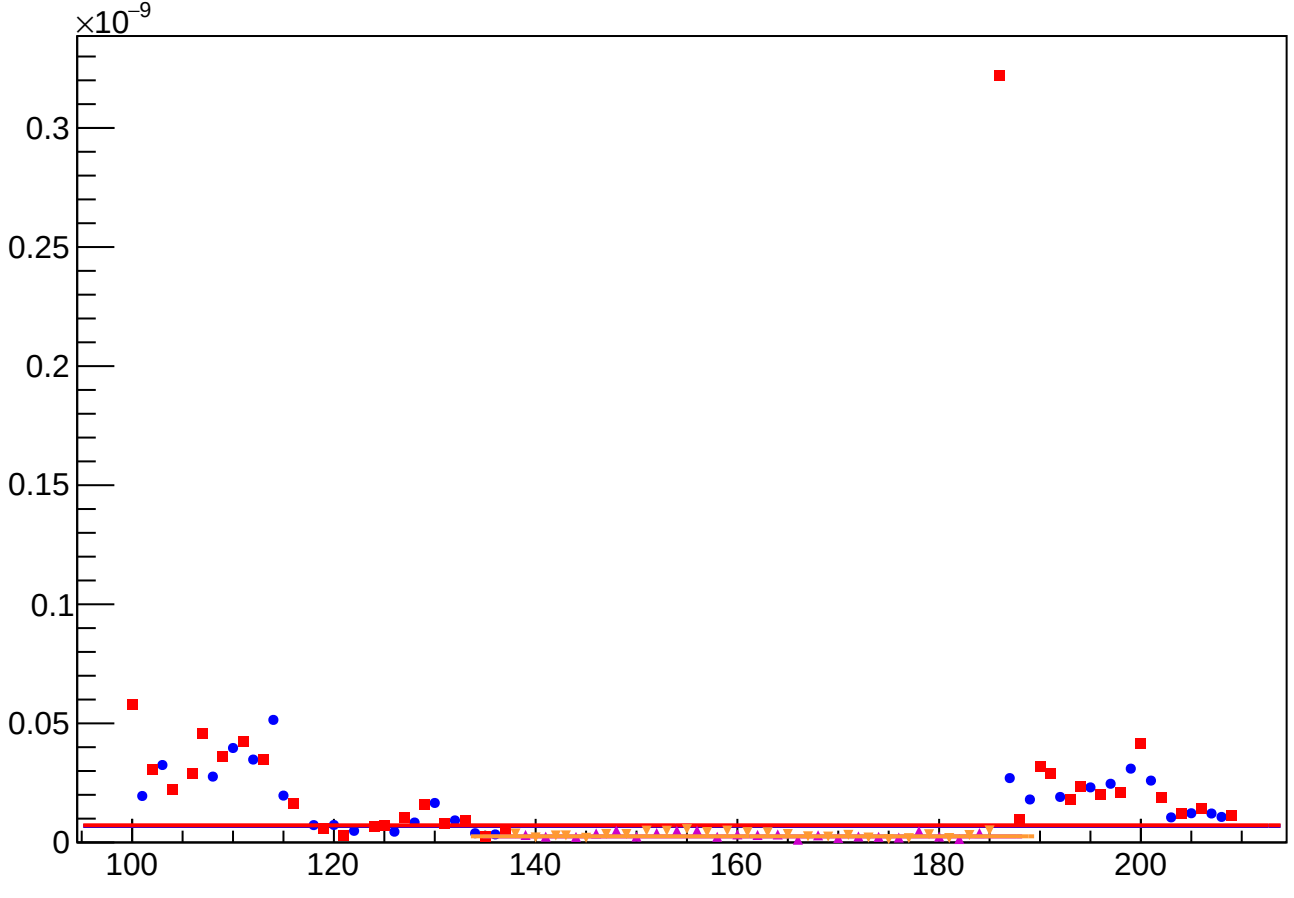
Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/31

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/51

All: -0.000+/-0.000 χ^2/NDF: 94.5/106

- sign -0.000+/-0.000 χ^2/NDF: 41.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 6130986.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7369274.3/31

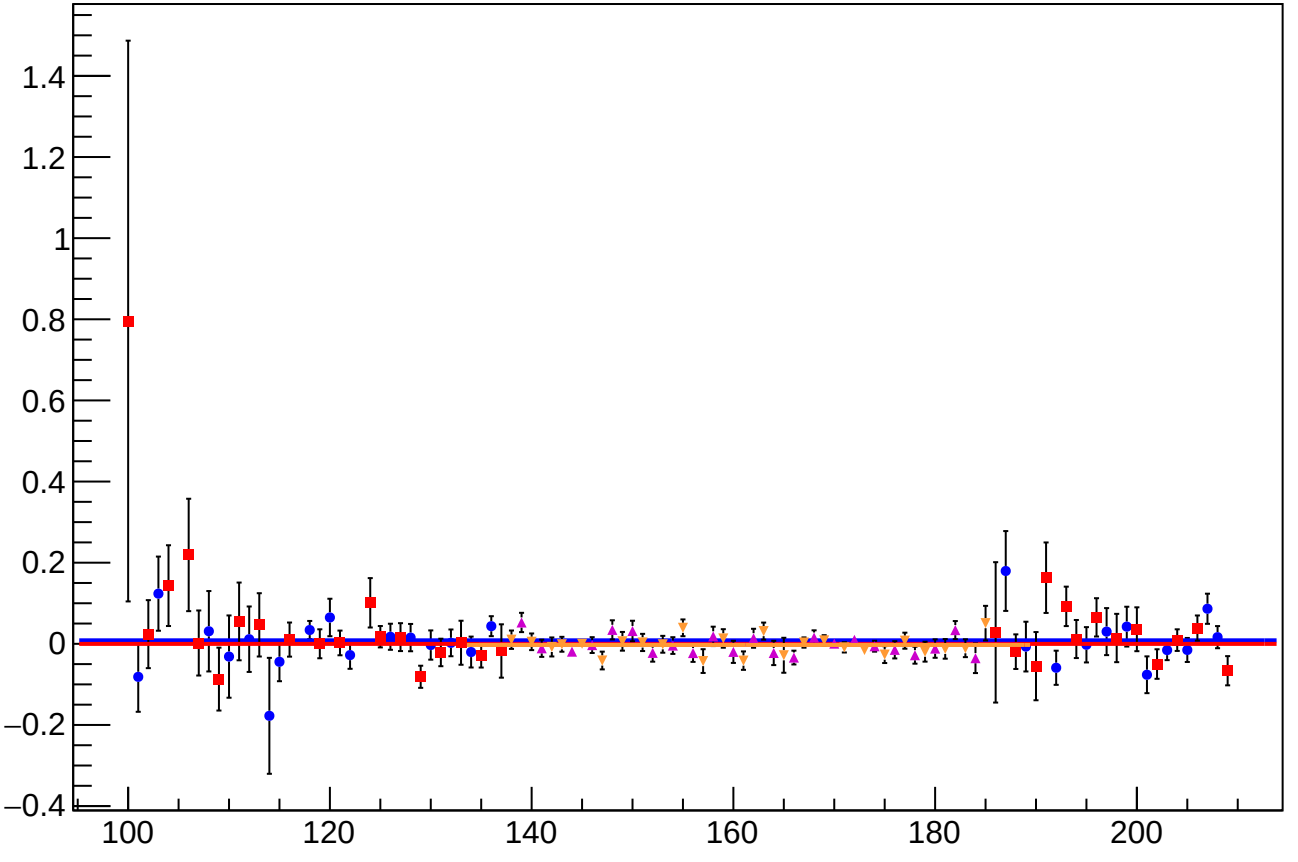
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11437121.7/51

All: 0.000+/-0.000 χ^2/NDF: 23612636.9/106

- sign 0.000+/-0.000 χ^2/NDF: 12174008.4/54

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.000+/-0.008 χ^2/NDF: 39.0/31

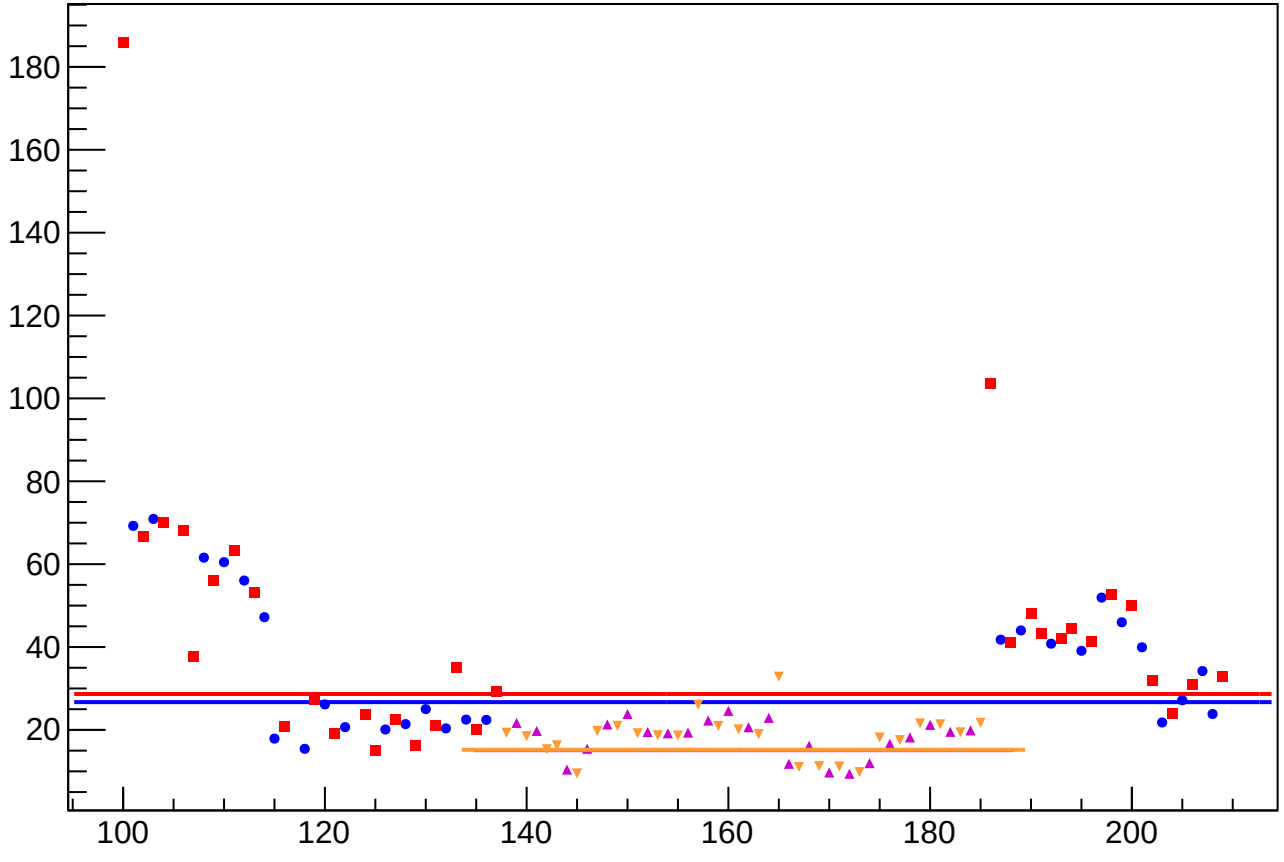
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 119.1/106

- sign -0.002+/-0.003 χ^2/NDF: 66.0/54

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

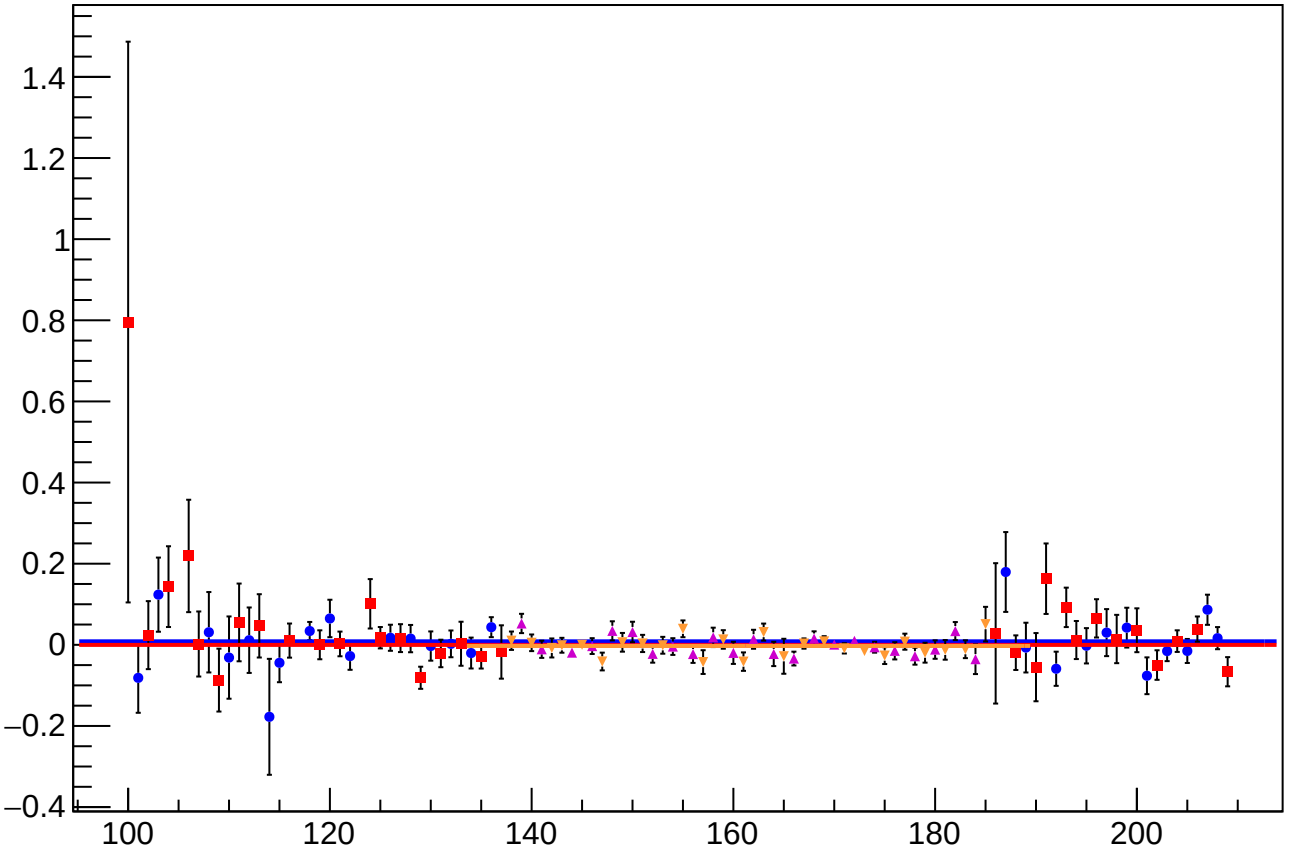
Right Out: 28.676+/-0.005 χ^2/NDF: 5343157.1/31

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530048.6/51

All: 17.612+/-0.002 χ^2/NDF: 25205452.5/106

- sign 17.772+/-0.002 χ^2/NDF: 13666953.0/54



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

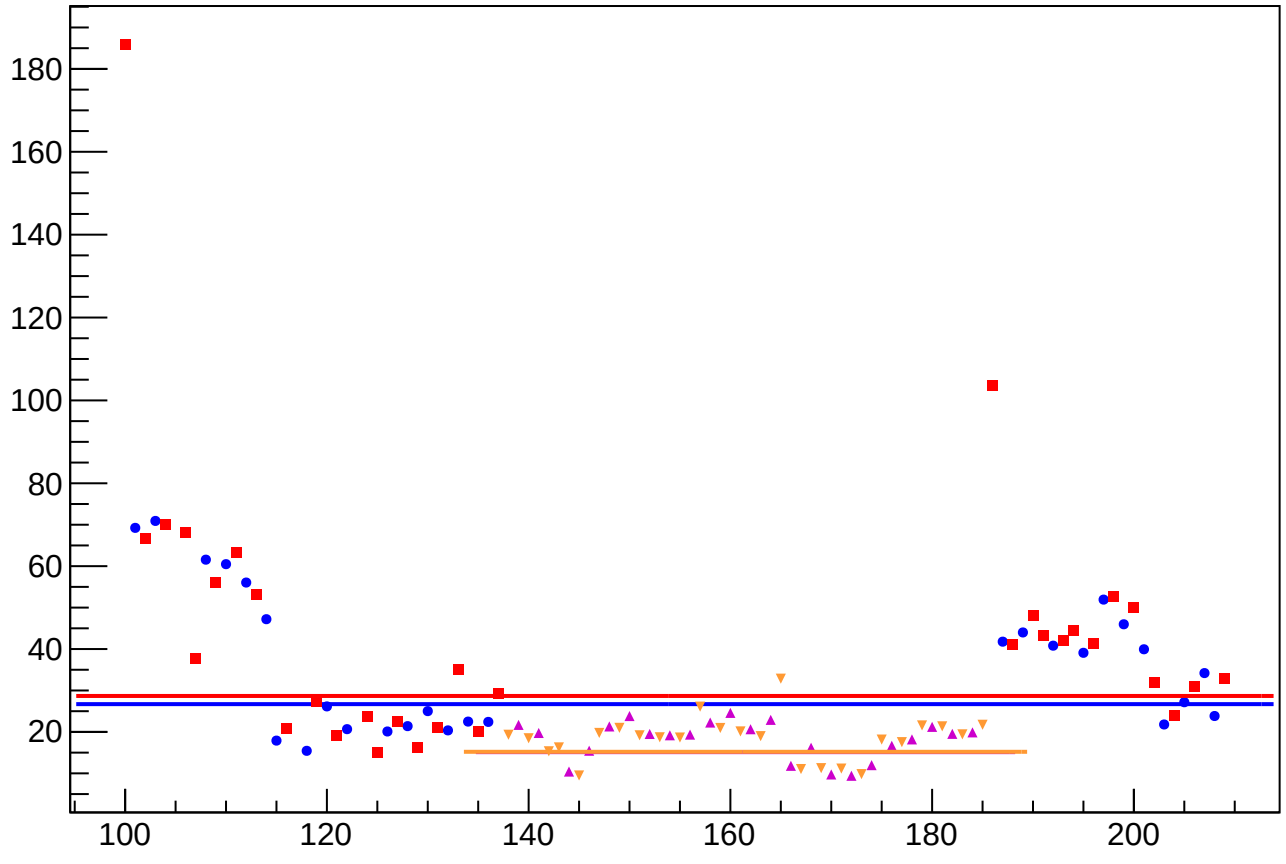
Right Out: -0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 119.1/106

- sign -0.002+/-0.003 χ^2/NDF: 66.0/54



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

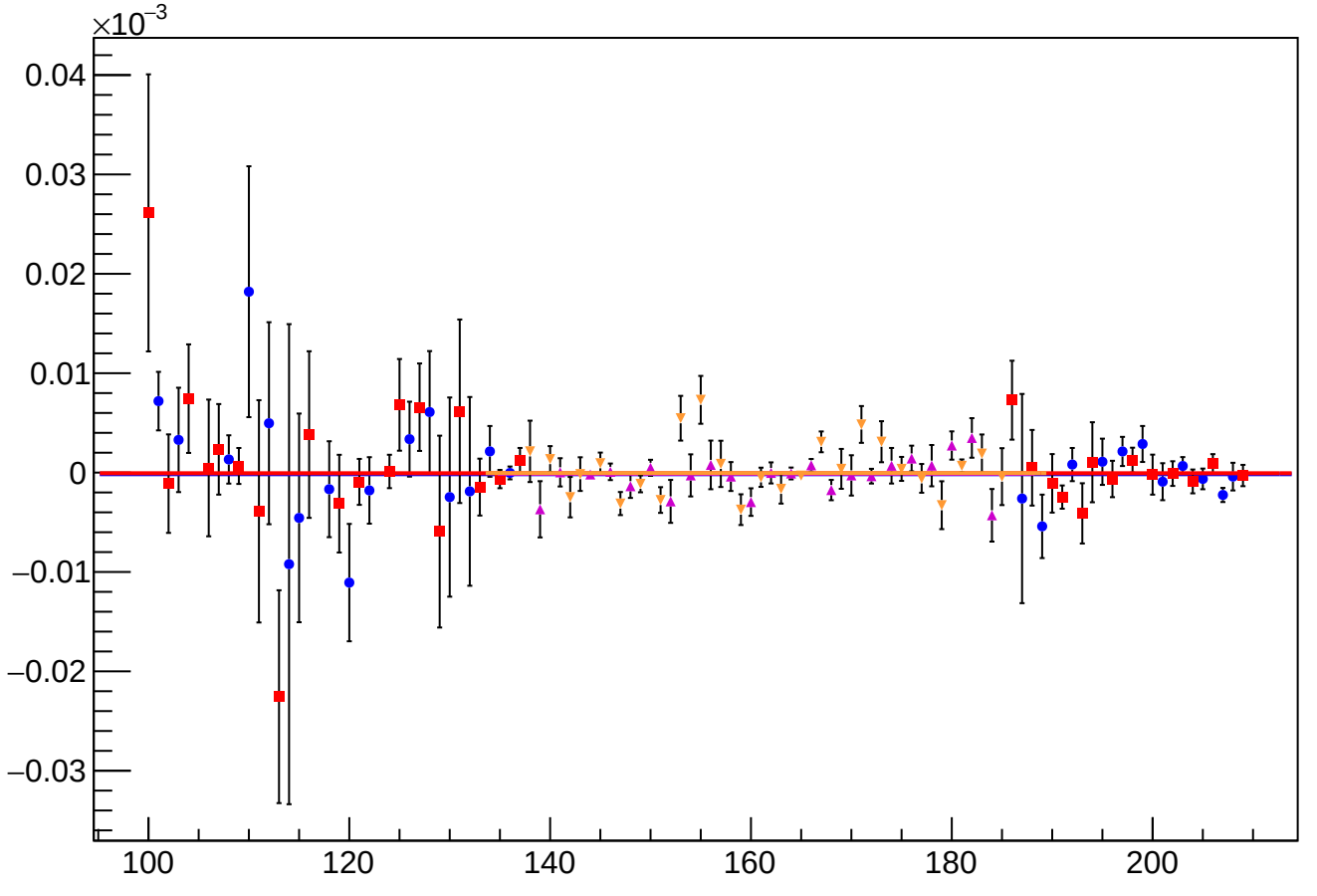
Right Out: 28.676+/-0.005 χ^2/NDF: 5343157.1/31

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530048.6/51

All: 17.612+/-0.002 χ^2/NDF: 25205452.5/106

- sign 17.772+/-0.002 χ^2/NDF: 13666953.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

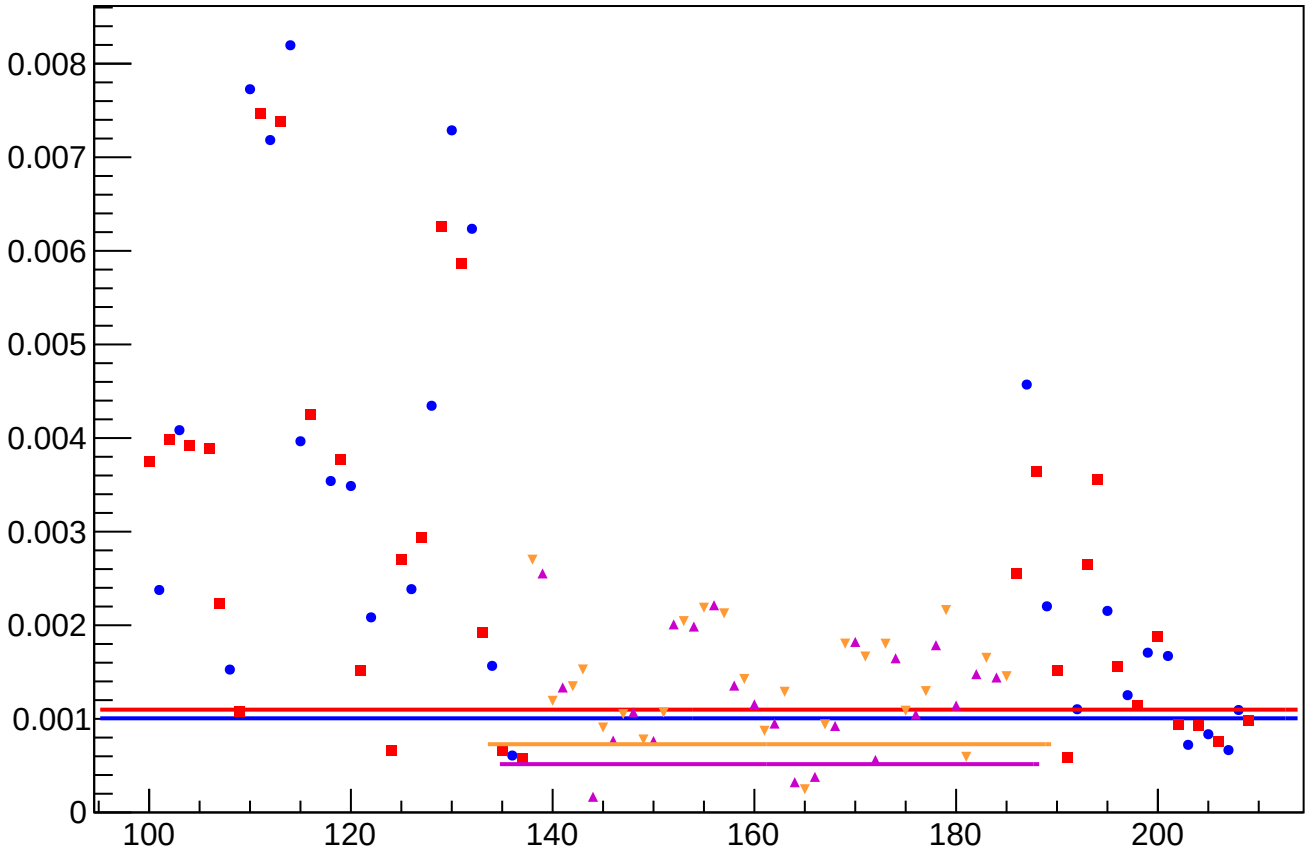
Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/31

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.7/51

All: -0.000+/-0.000 χ^2/NDF: 153.7/106

- sign -0.000+/-0.000 χ^2/NDF: 56.0/54



Right In: 0.001+/-0.000 χ^2/NDF: 9407573.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

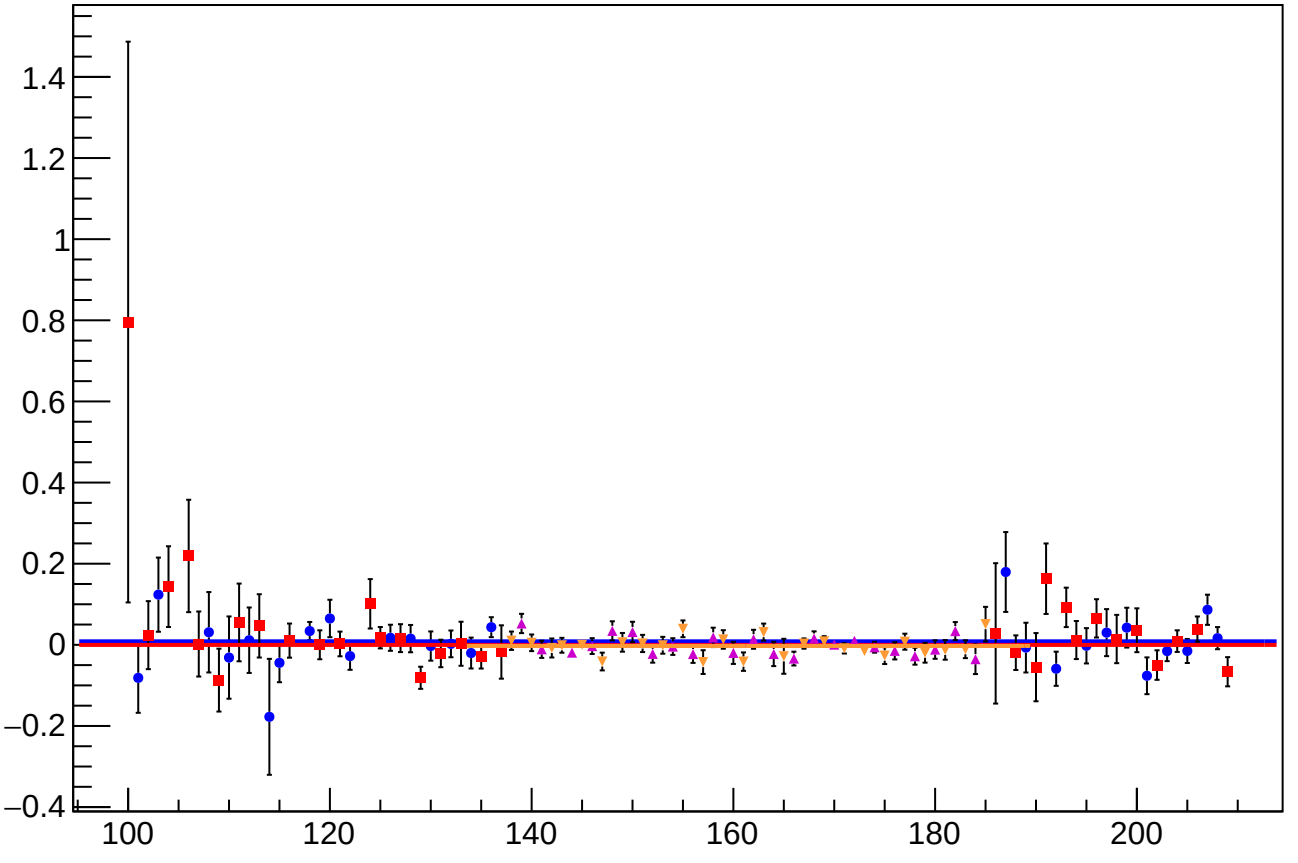
Right Out: 0.001+/-0.000 χ^2/NDF: 10425723.8/31

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 23562461.3/51

All: 0.001+/-0.000 χ^2/NDF: 54747700.5/106

- sign 0.001+/-0.000 χ^2/NDF: 30119190.3/54



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

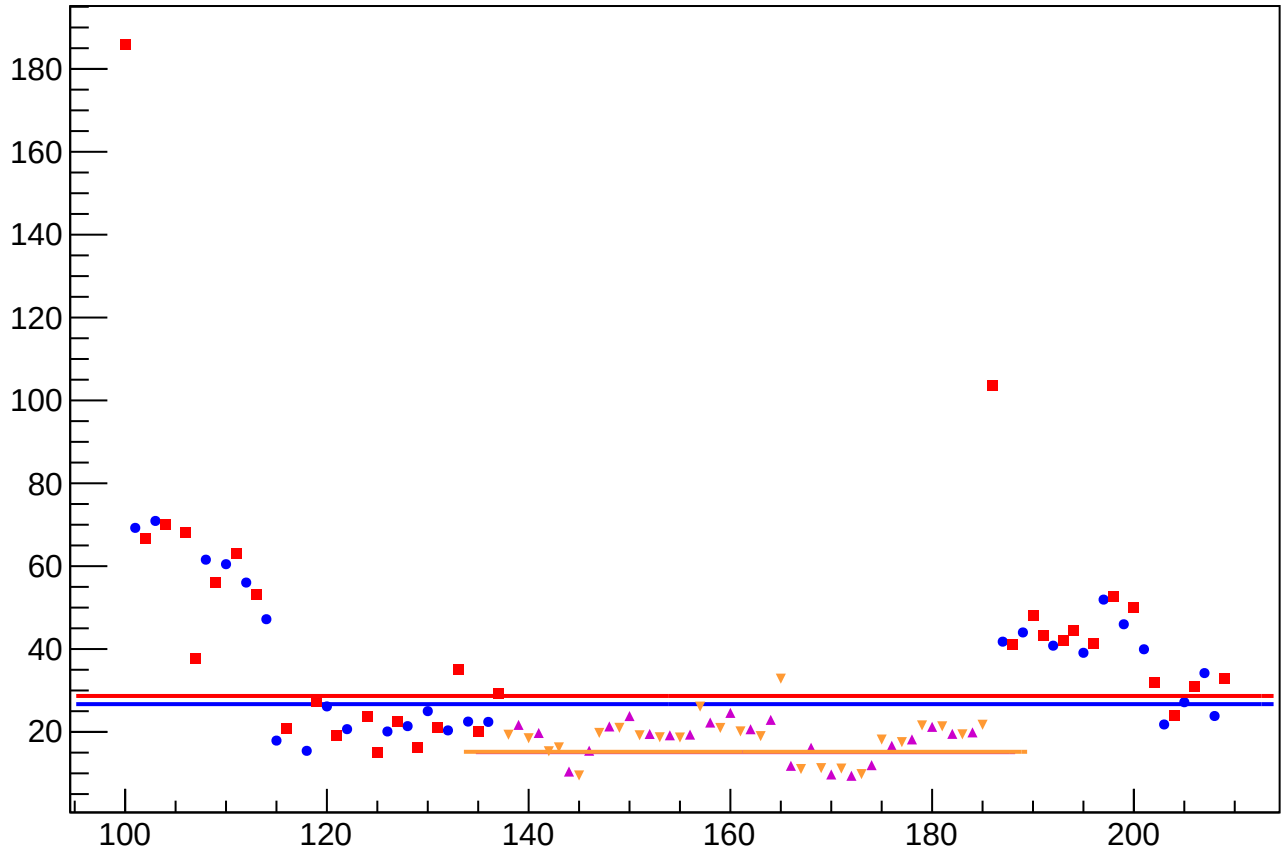
Right Out: -0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 119.1/106

- sign -0.002+/-0.003 χ^2/NDF: 66.0/54



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

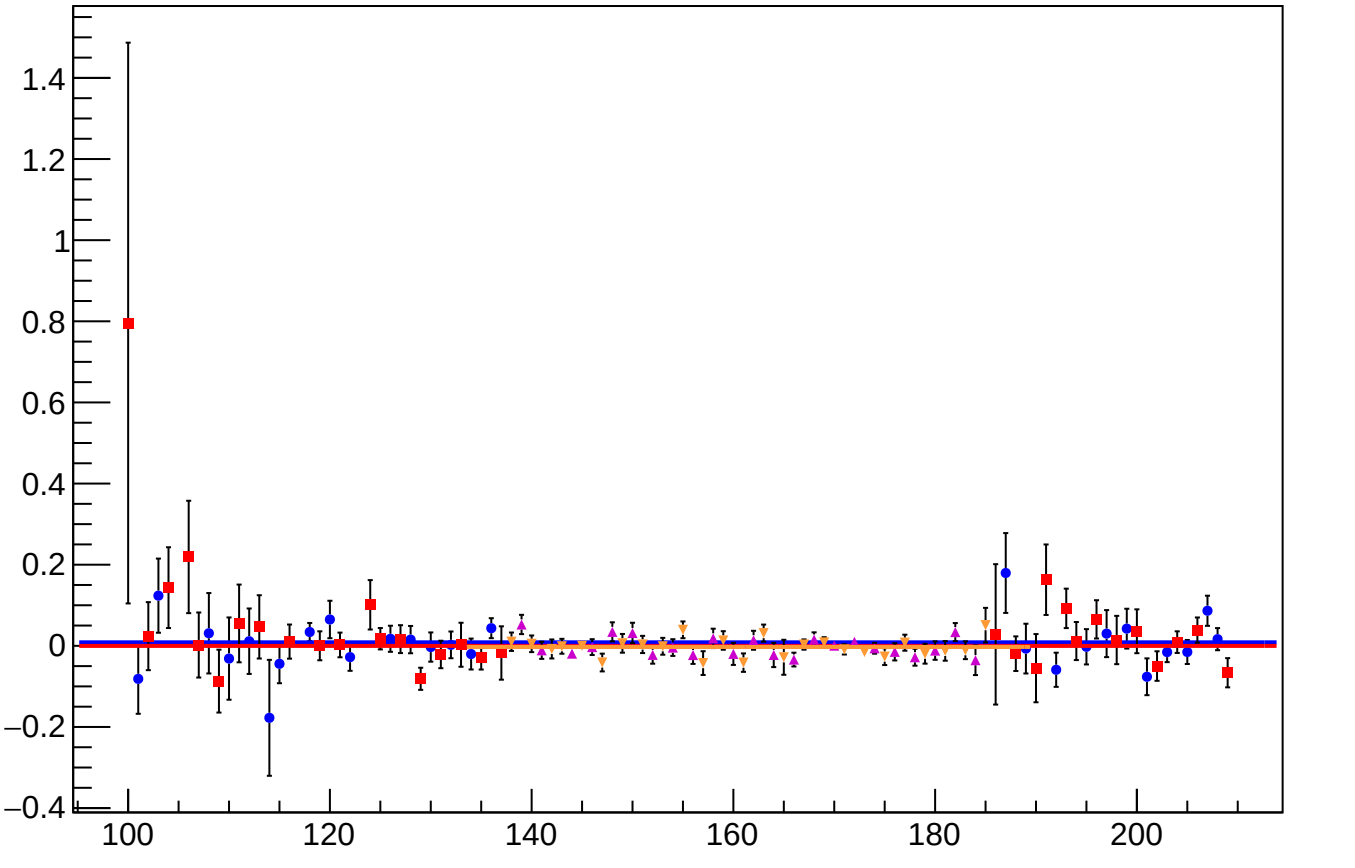
Right Out: 28.676+/-0.005 χ^2/NDF: 5343363.4/31

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530038.4/51

All: 17.612+/-0.002 χ^2/NDF: 25205477.5/106

- sign 17.772+/-0.002 χ^2/NDF: 13666982.6/54



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

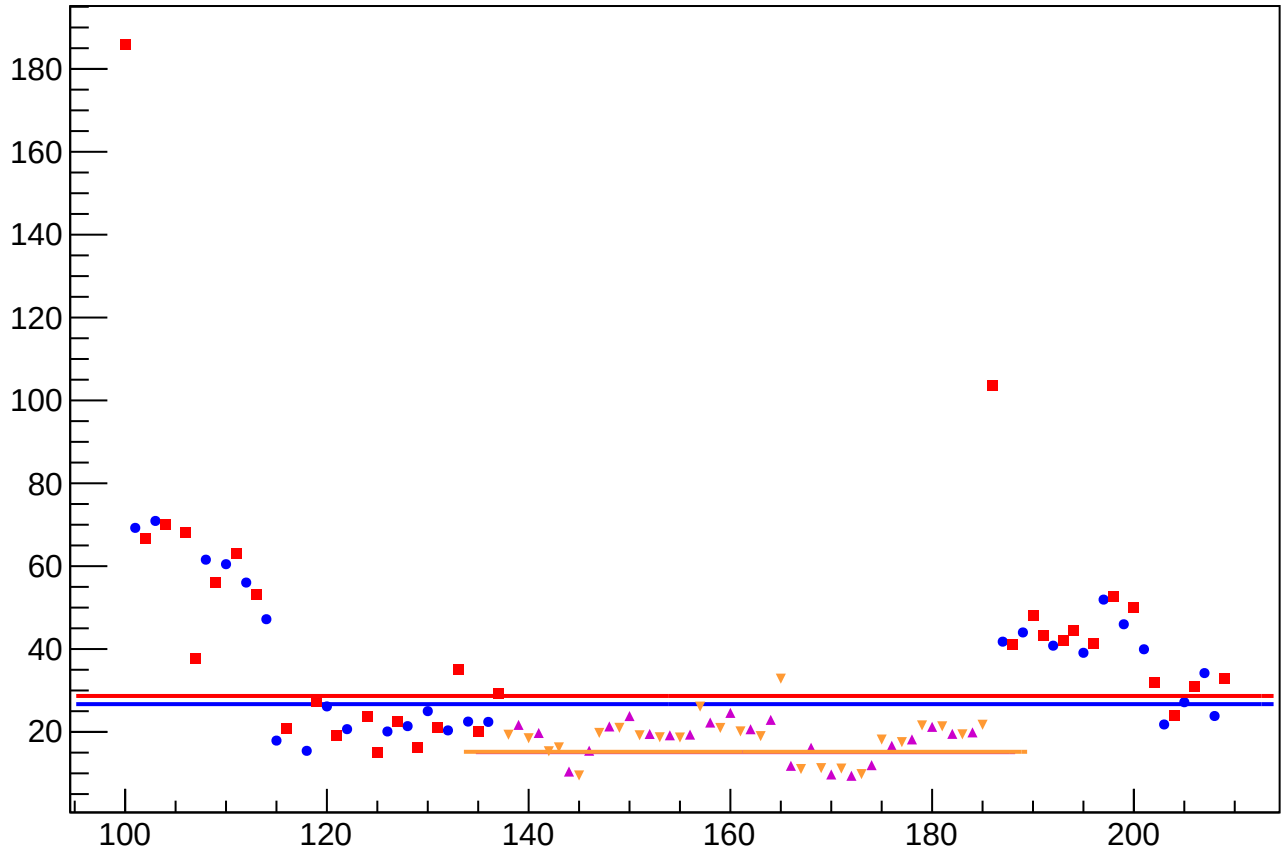
Right Out: -0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 53.0/51

All: -0.001+/-0.002 χ^2/NDF: 119.1/106

- sign -0.002+/-0.003 χ^2/NDF: 66.0/54



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

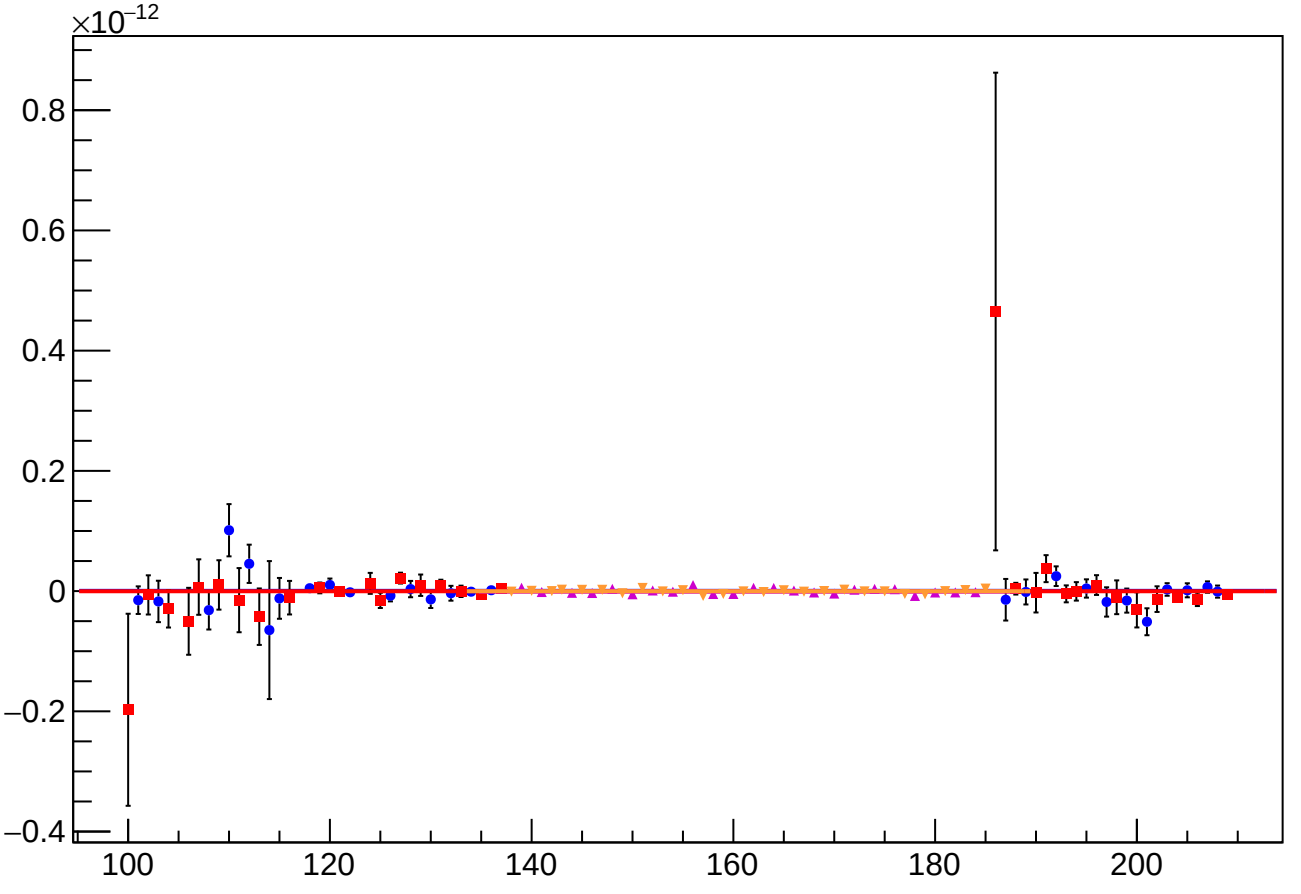
Right Out: 28.676+/-0.005 χ^2/NDF: 5343363.4/31

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.462+/-0.002 χ^2/NDF: 11530038.4/51

All: 17.612+/-0.002 χ^2/NDF: 25205477.5/106

- sign 17.772+/-0.002 χ^2/NDF: 13666982.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

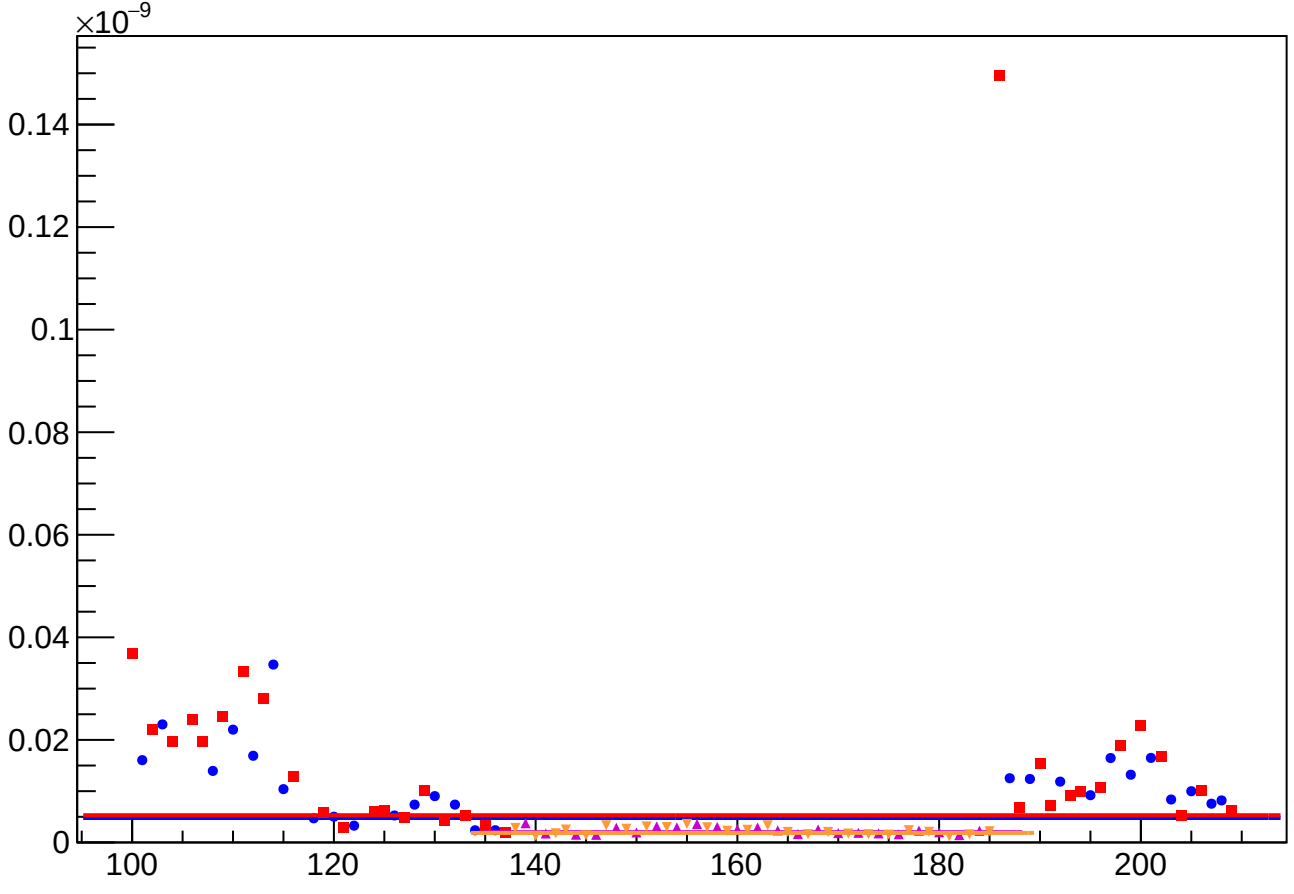
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/31

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/51

All: -0.000+/-0.000 χ^2/NDF: 110.5/106

- sign -0.000+/-0.000 χ^2/NDF: 65.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 7520341.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8151704.9/31

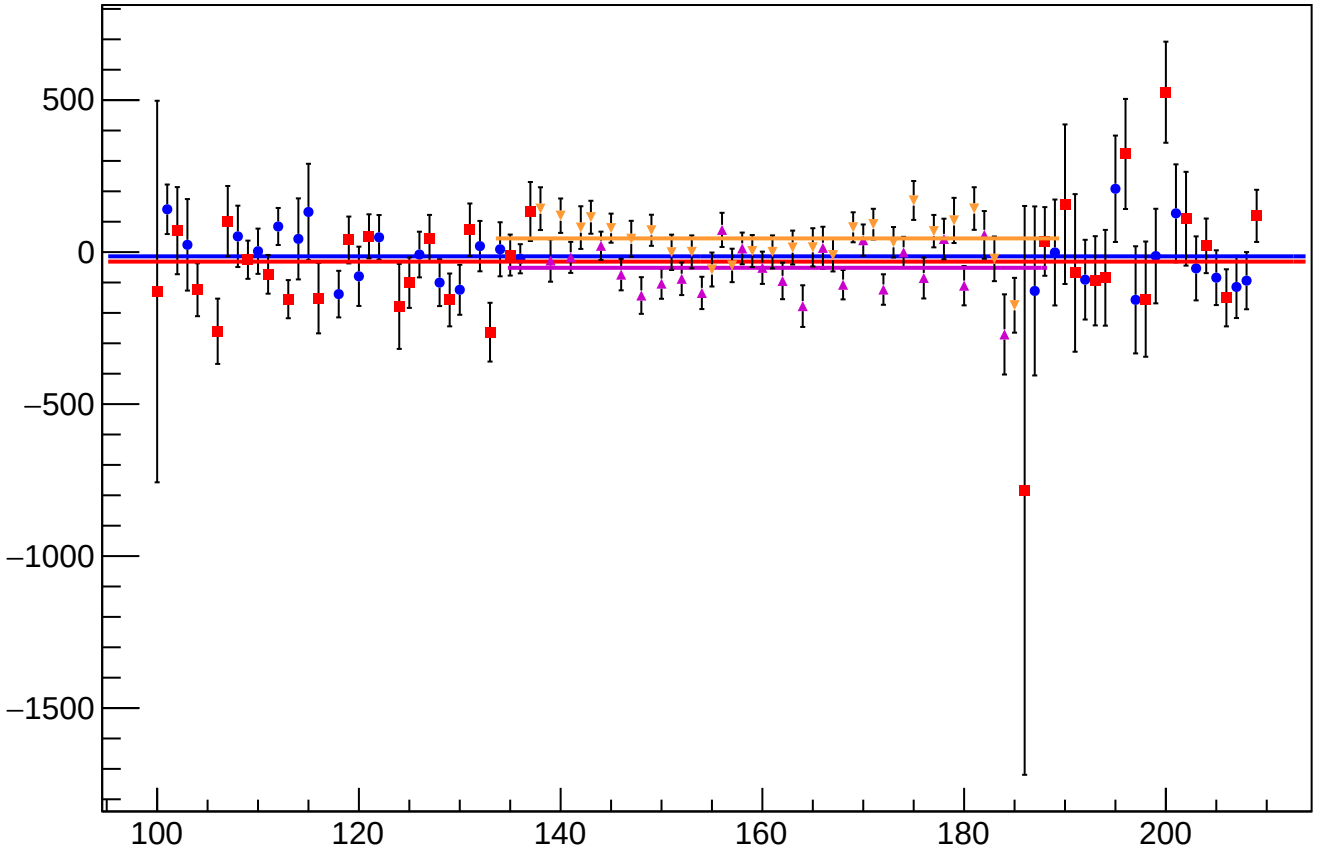
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14740905.7/51

All: 0.000+/-0.000 χ^2/NDF: 30040448.3/106

- sign 0.000+/-0.000 χ^2/NDF: 15187752.2/54

reg_asym_sam_1357_avg_mean vs Slug



Right In: -13.922+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -31.233+/-17.400 χ^2/NDF: 53.4/31

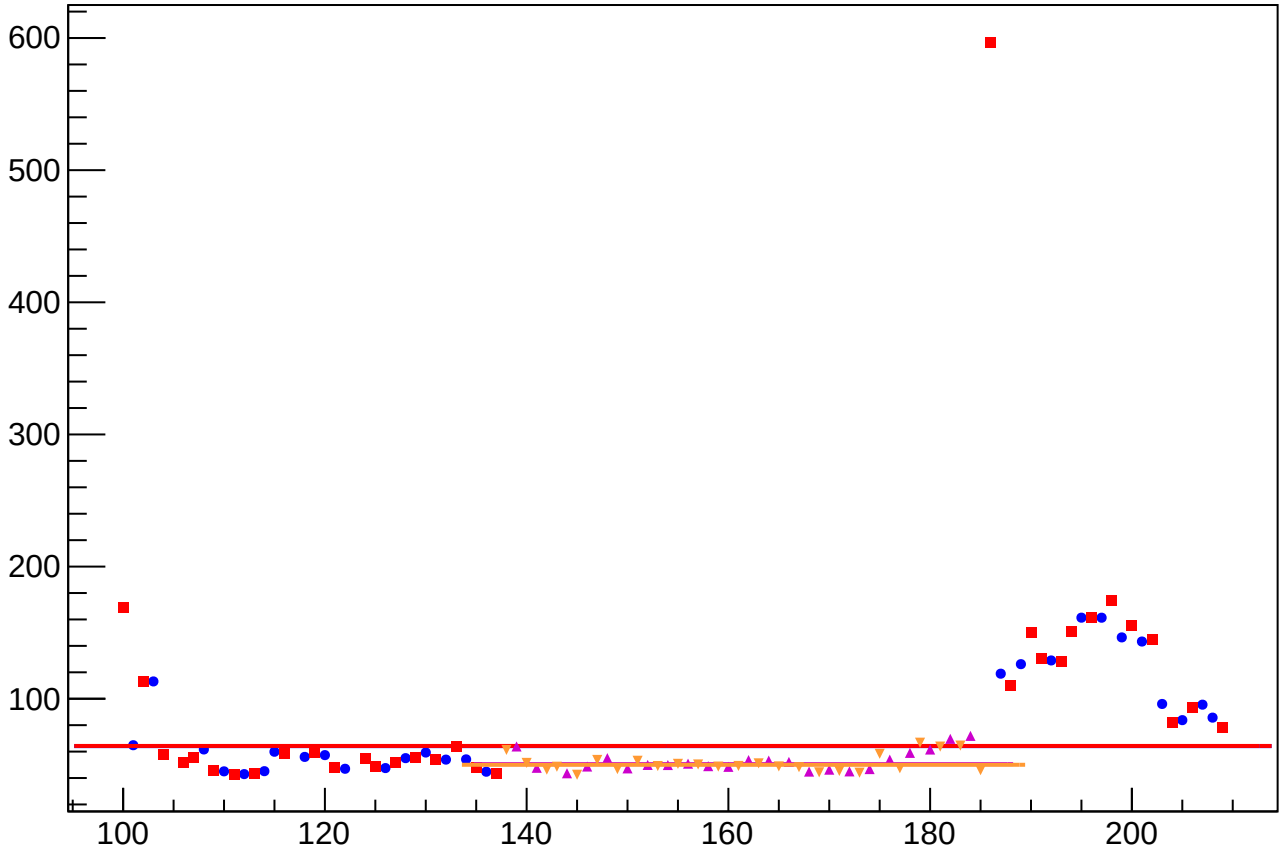
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 27.663+/-9.649 χ^2/NDF: 60.0/51

All: -8.010+/-6.889 χ^2/NDF: 178.1/106

- sign -45.099+/-9.839 χ^2/NDF: 90.2/54

reg_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF: 4944315.2/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 64.270+/-0.012 χ^2/NDF: 6501718.9/31

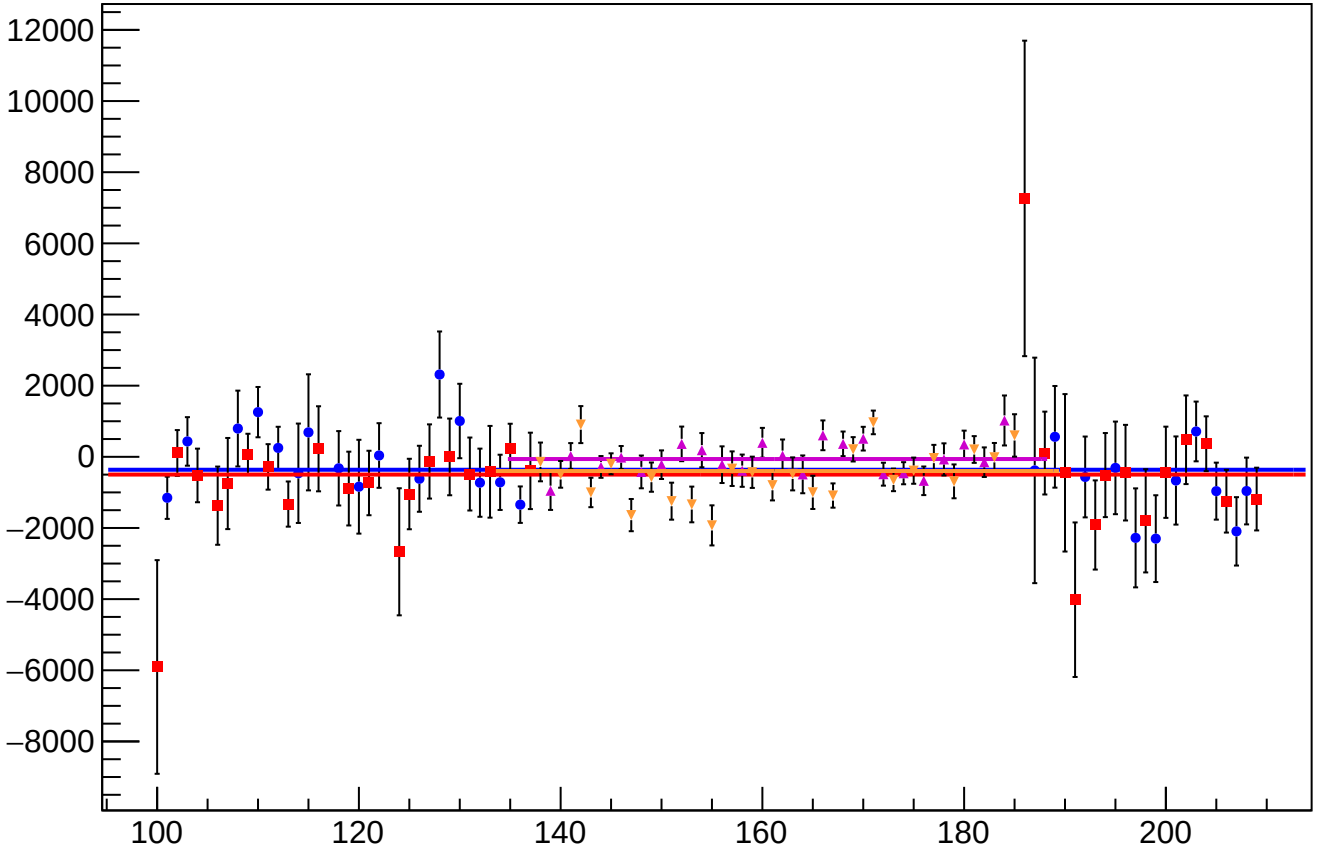
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF: 6343270.2/51

All: 54.542+/-0.005 χ^2/NDF: 14204497.7/106

- sign 54.911+/-0.007 χ^2/NDF: 7855723.6/54

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -363.337+/-175.145 χ^2/NDF: 32.9/26

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -498.837+/-173.697 χ^2/NDF: 22.6/31

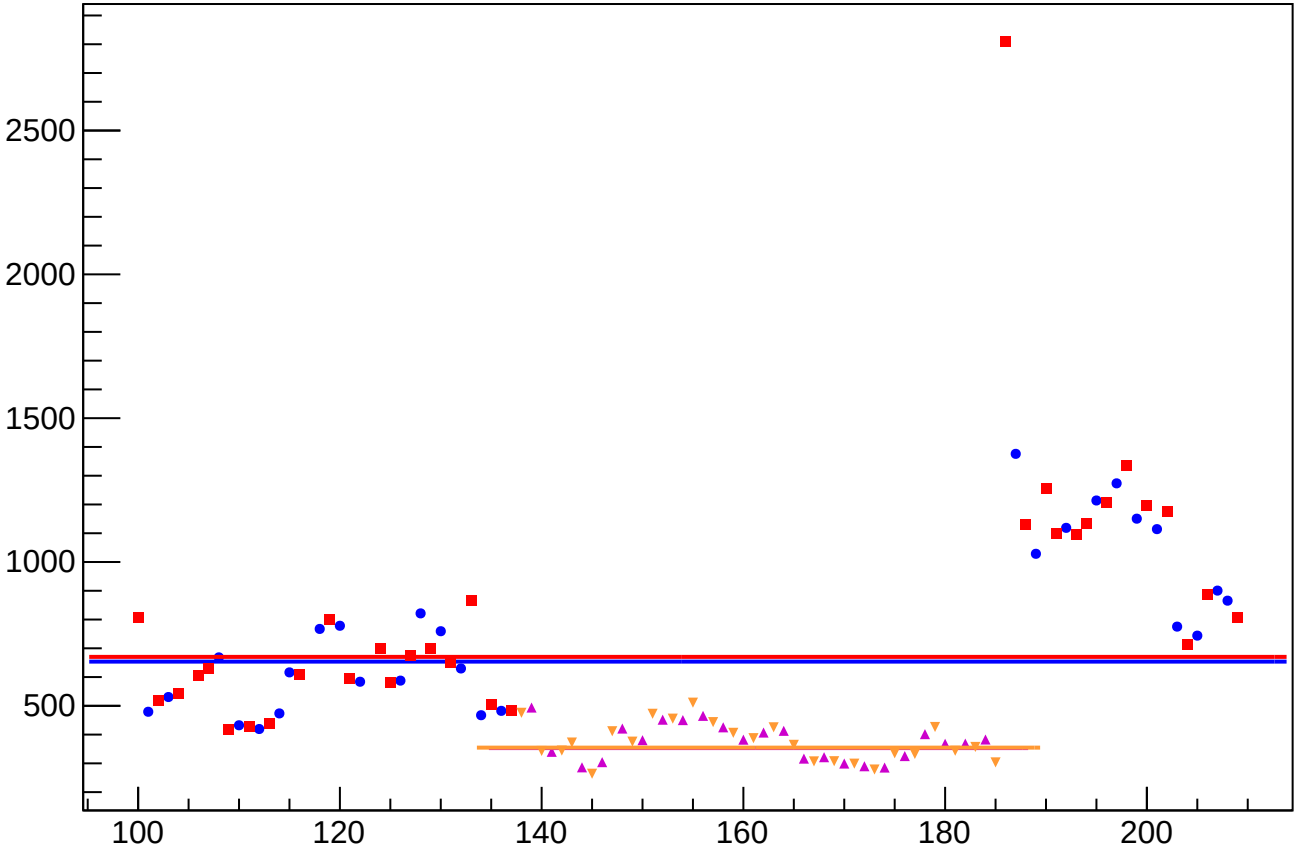
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -392.878+/-74.311 χ^2/NDF: 98.3/51

All: -270.808+/-52.976 χ^2/NDF: 155.4/106

- sign -144.658+/-75.543 χ^2/NDF: 51.7/54

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 653.752+/-0.124 χ^2/NDF: 3494782.7/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 670.156+/-0.123 χ^2/NDF: 4533850.9/31

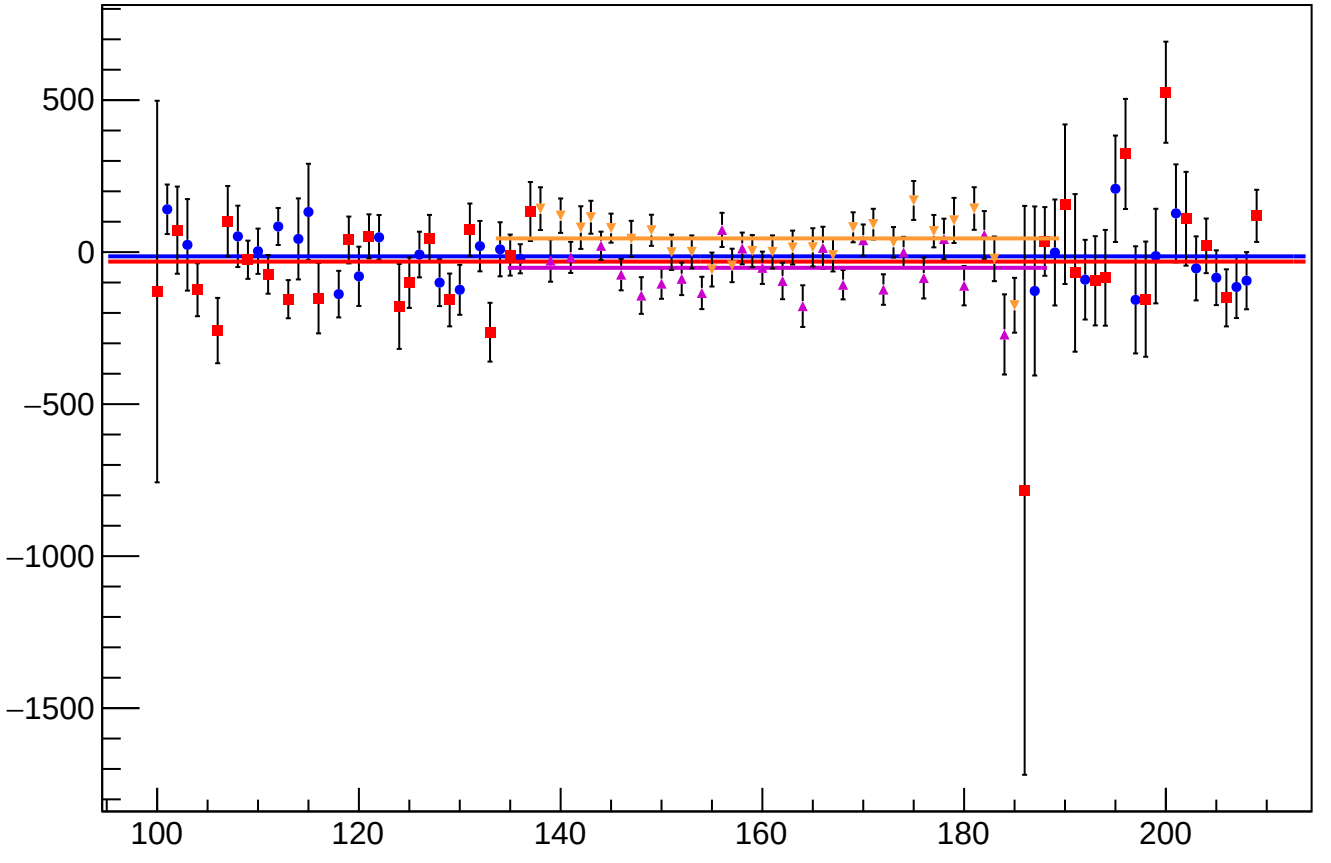
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 408.509+/-0.053 χ^2/NDF: 9422377.5/51

All: 410.756+/-0.037 χ^2/NDF: 20367023.4/10

- sign 413.078+/-0.053 χ^2/NDF: 10940927.8/54

cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -31.142+/-17.401 χ^2/NDF: 53.3/31

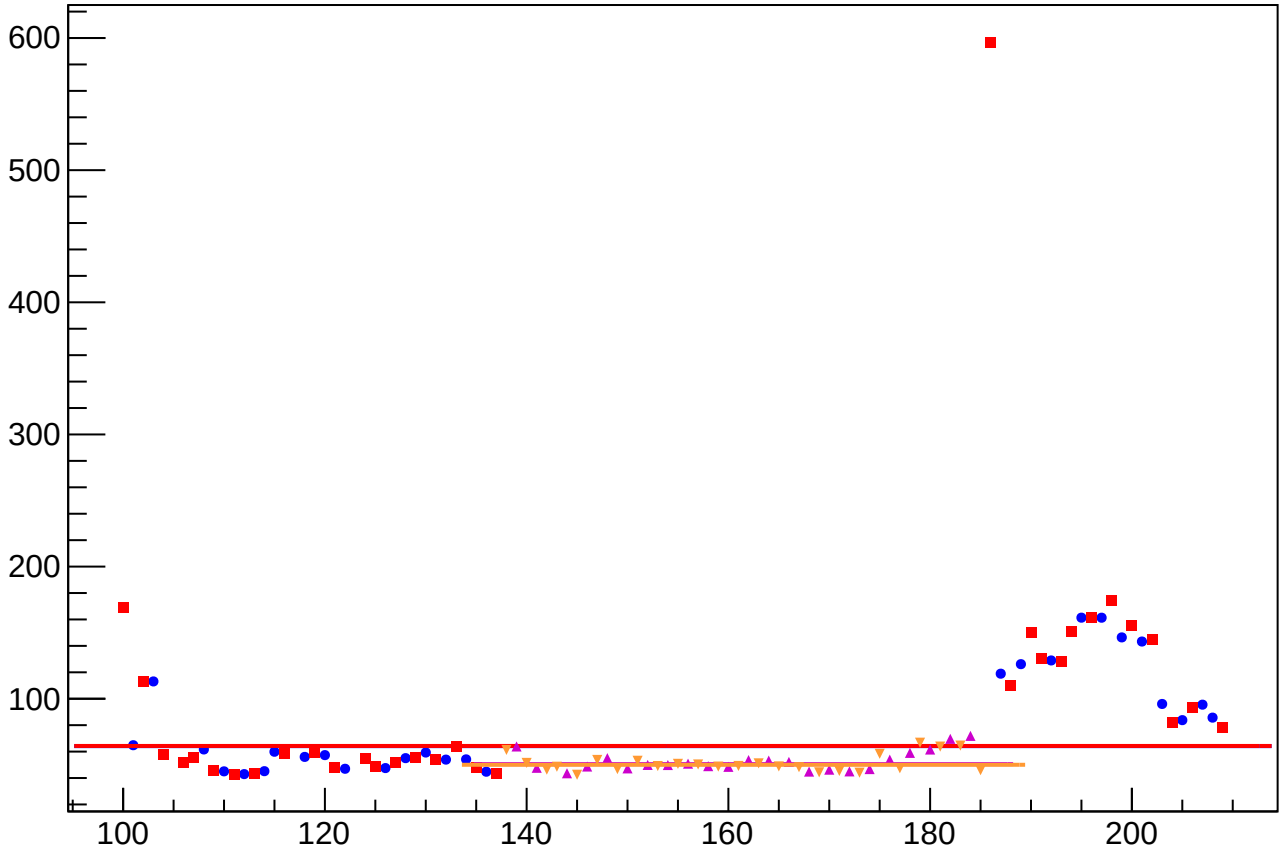
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 27.664+/-9.649 χ^2/NDF: 60.0/51

All: -7.995+/-6.889 χ^2/NDF: 178.0/106

- sign -45.070+/-9.839 χ^2/NDF: 90.1/54

cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

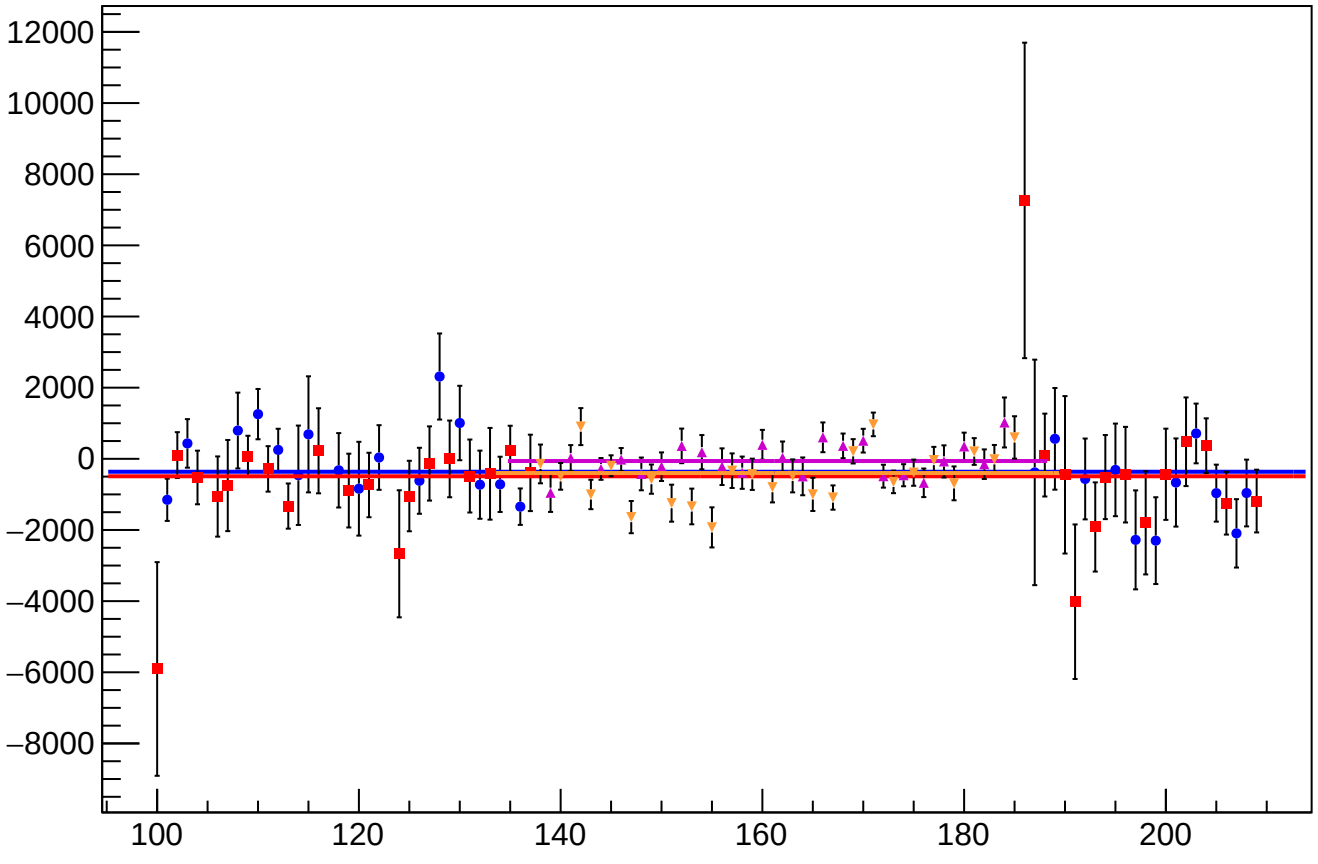
Right Out: 64.263+/-0.012 χ^2/NDF: 6503257.0/31

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF: 6343272.5/51

All: 54.541+/-0.005 χ^2/NDF: 14205038.2/106

- sign 54.908+/-0.007 χ^2/NDF: 7856300.5/54



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -490.660+/-173.817 χ^2/NDF: 22.2/31

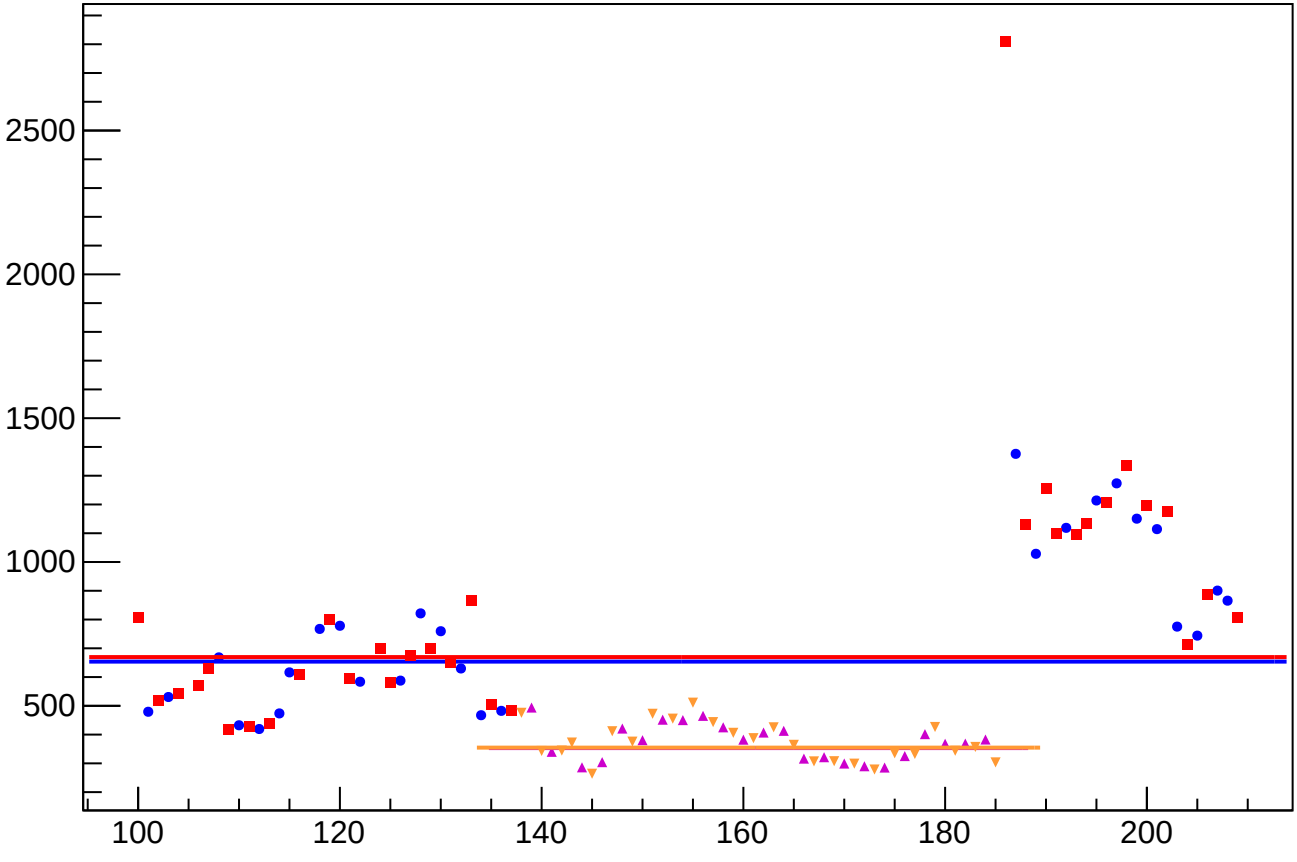
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -392.872+/-74.311 χ^2/NDF: 98.3/51

All: -270.016+/-52.979 χ^2/NDF: 154.9/106

- sign -143.020+/-75.553 χ^2/NDF: 51.1/54

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 669.448+/-0.123 χ^2/NDF: 4541688.3/31

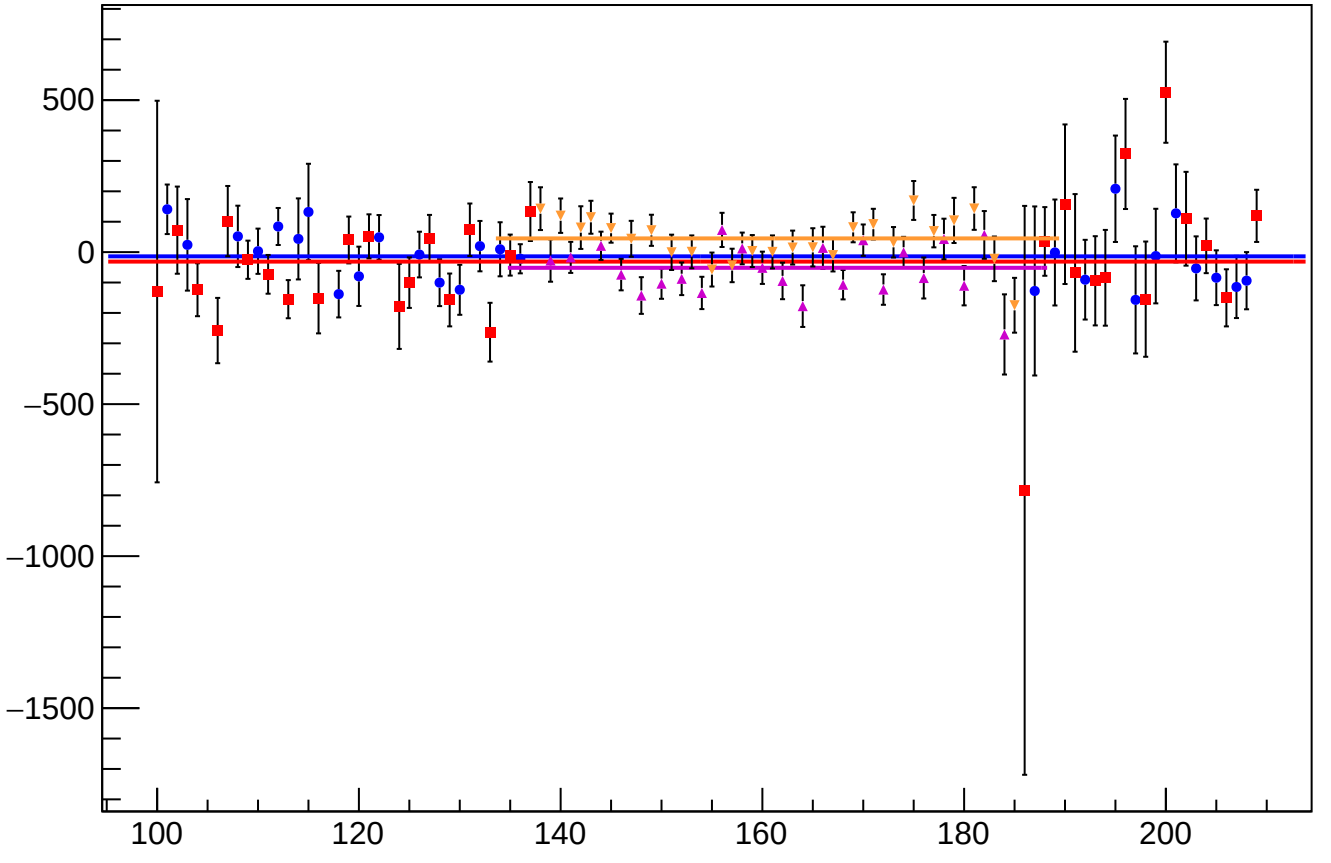
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 408.510+/-0.053 χ^2/NDF: 9422432.3/51

All: 410.658+/-0.037 χ^2/NDF: 20344514.8/10

- sign 412.878+/-0.053 χ^2/NDF: 10918684.3/54

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -31.142+/-17.401 χ^2/NDF: 53.3/31

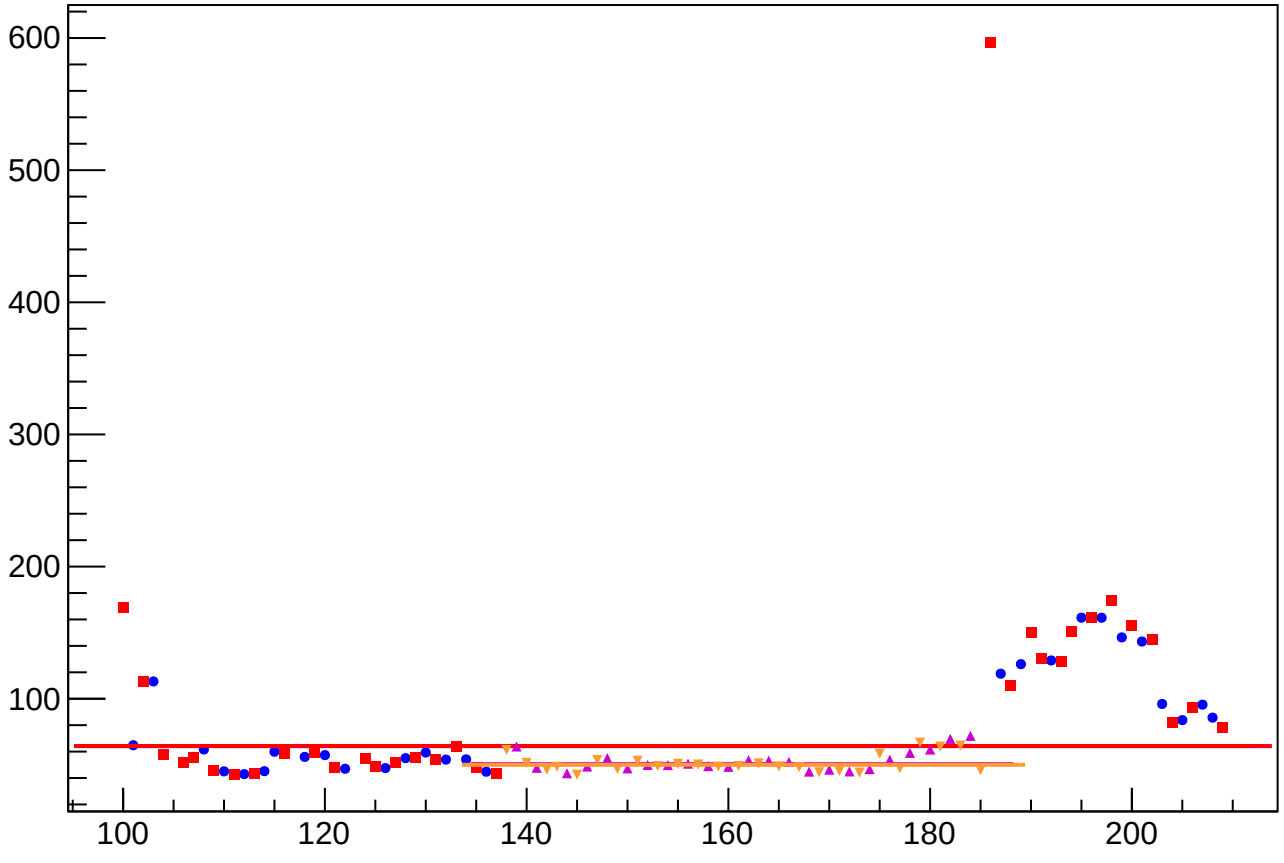
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 27.664+/-9.649 χ^2/NDF: 60.0/51

All: -7.995+/-6.889 χ^2/NDF: 178.0/106

- sign -45.070+/-9.839 χ^2/NDF: 90.1/54

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

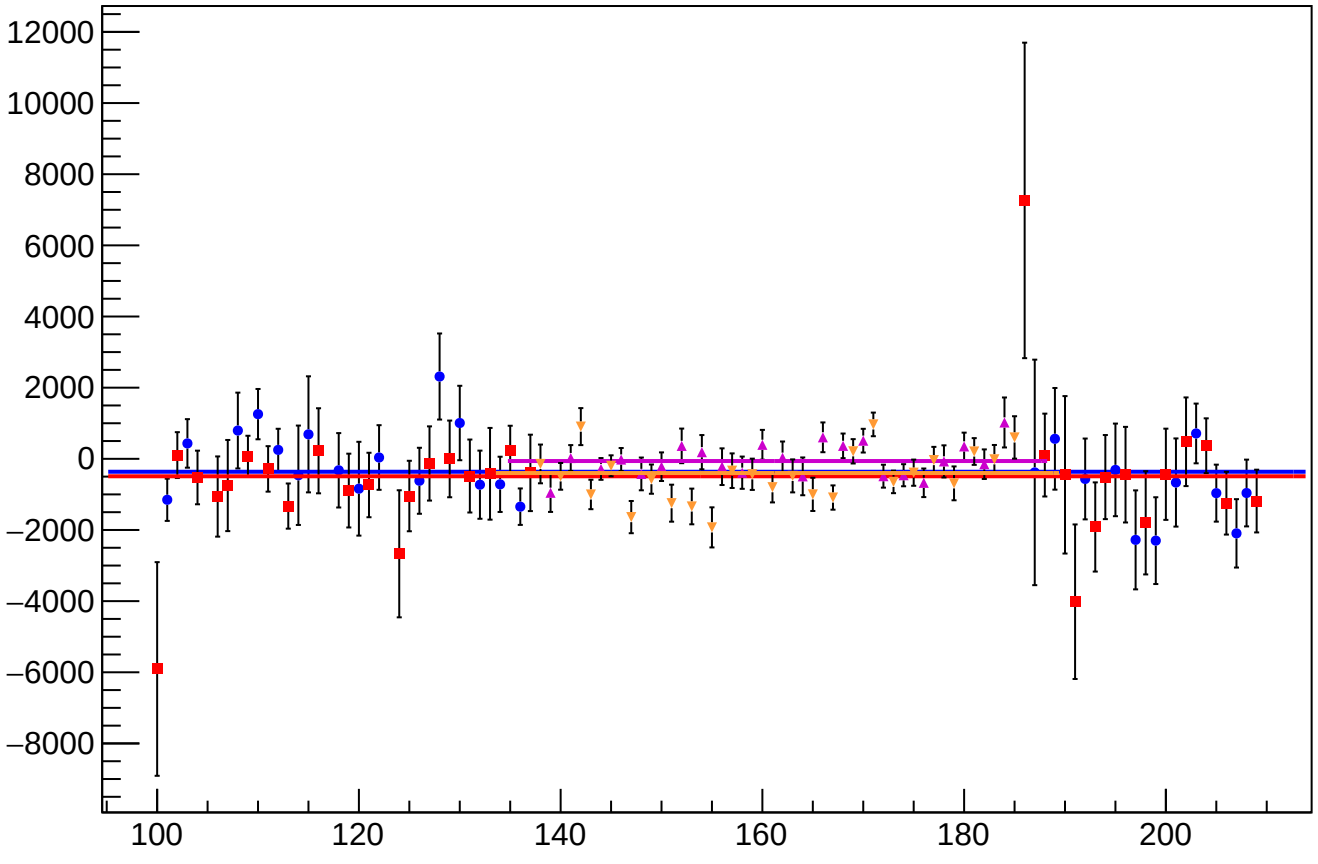
Right Out: 64.263+/-0.012 χ^2/NDF: 6503257.0/31

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 54.188+/-0.007 χ^2/NDF: 6343272.5/51

All: 54.541+/-0.005 χ^2/NDF: 14205038.2/106

- sign 54.908+/-0.007 χ^2/NDF: 7856300.5/54



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

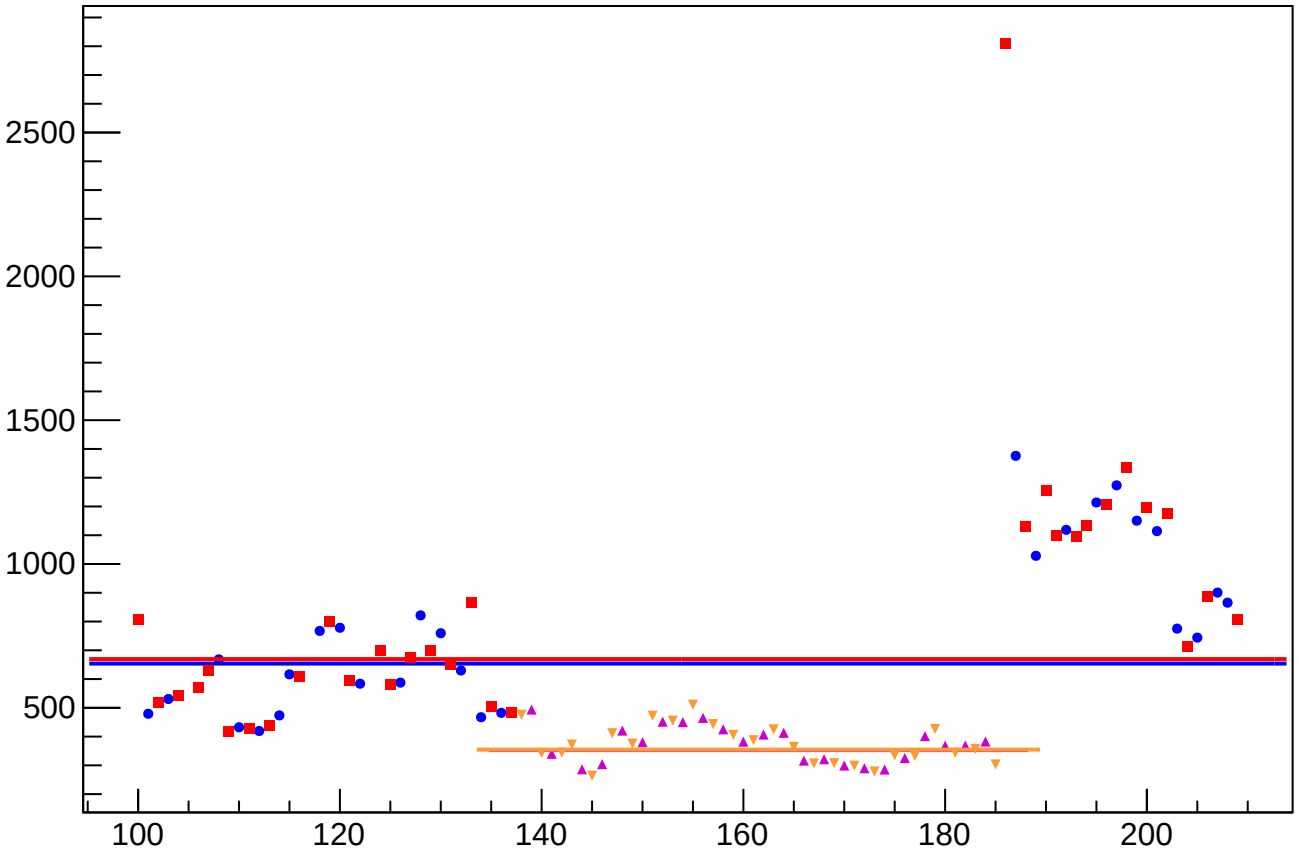
Right Out: -490.660+/-173.817 χ^2/NDF: 22.2/31

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -392.872+/-74.311 χ^2/NDF: 98.3/51

All: -270.016+/-52.979 χ^2/NDF: 154.9/106

- sign -143.020+/-75.553 χ^2/NDF: 51.1/54



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 669.448+/-0.123 χ^2/NDF: 4541688.3/31

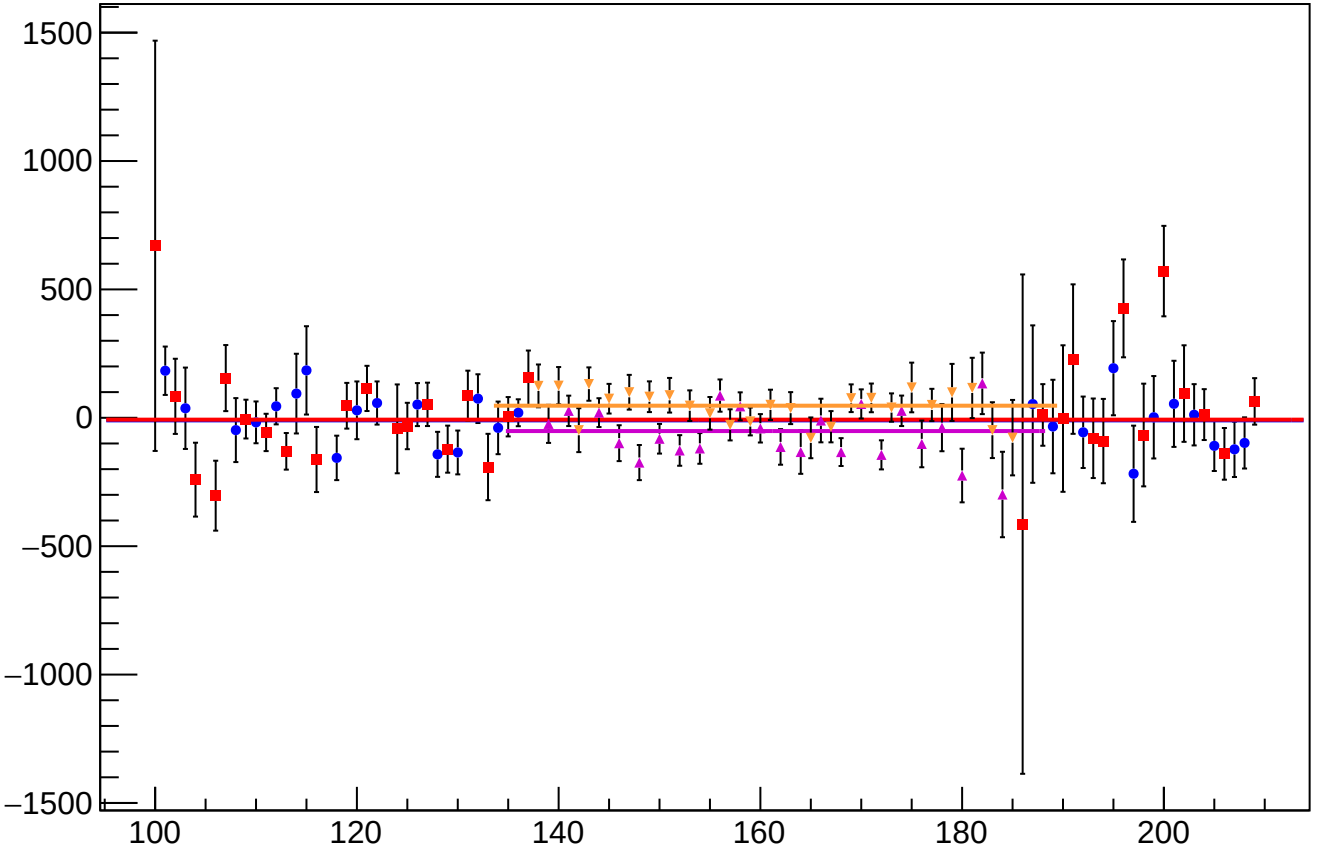
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 408.510+/-0.053 χ^2/NDF: 9422432.3/51

All: 410.658+/-0.037 χ^2/NDF: 20344514.8/10

- sign 412.878+/-0.053 χ^2/NDF: 10918684.3/54

dit_asym_sam_1357_avg_mean vs Slug



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -7.228+/-19.850 χ^2/NDF: 44.9/31

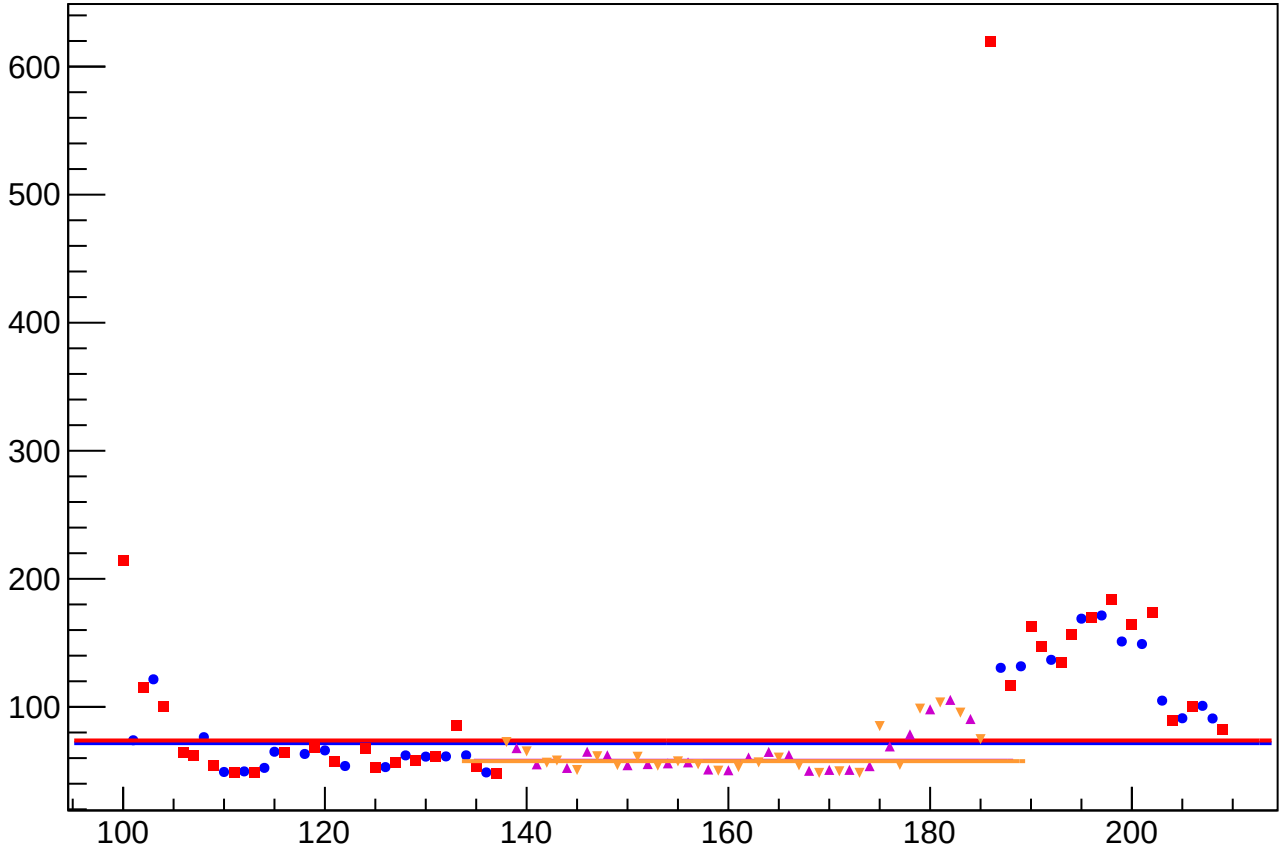
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 28.921+/-11.151 χ^2/NDF: 44.9/51

All: -3.292+/-7.973 χ^2/NDF: 148.4/106

- sign -36.988+/-11.404 χ^2/NDF: 86.4/54

dit_asym_sam_1357_avg_rms vs Slug



Right In: 71.688+/-0.014 χ^2/NDF: 4501087.2/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 73.764+/-0.014 χ^2/NDF: 6013508.9/31

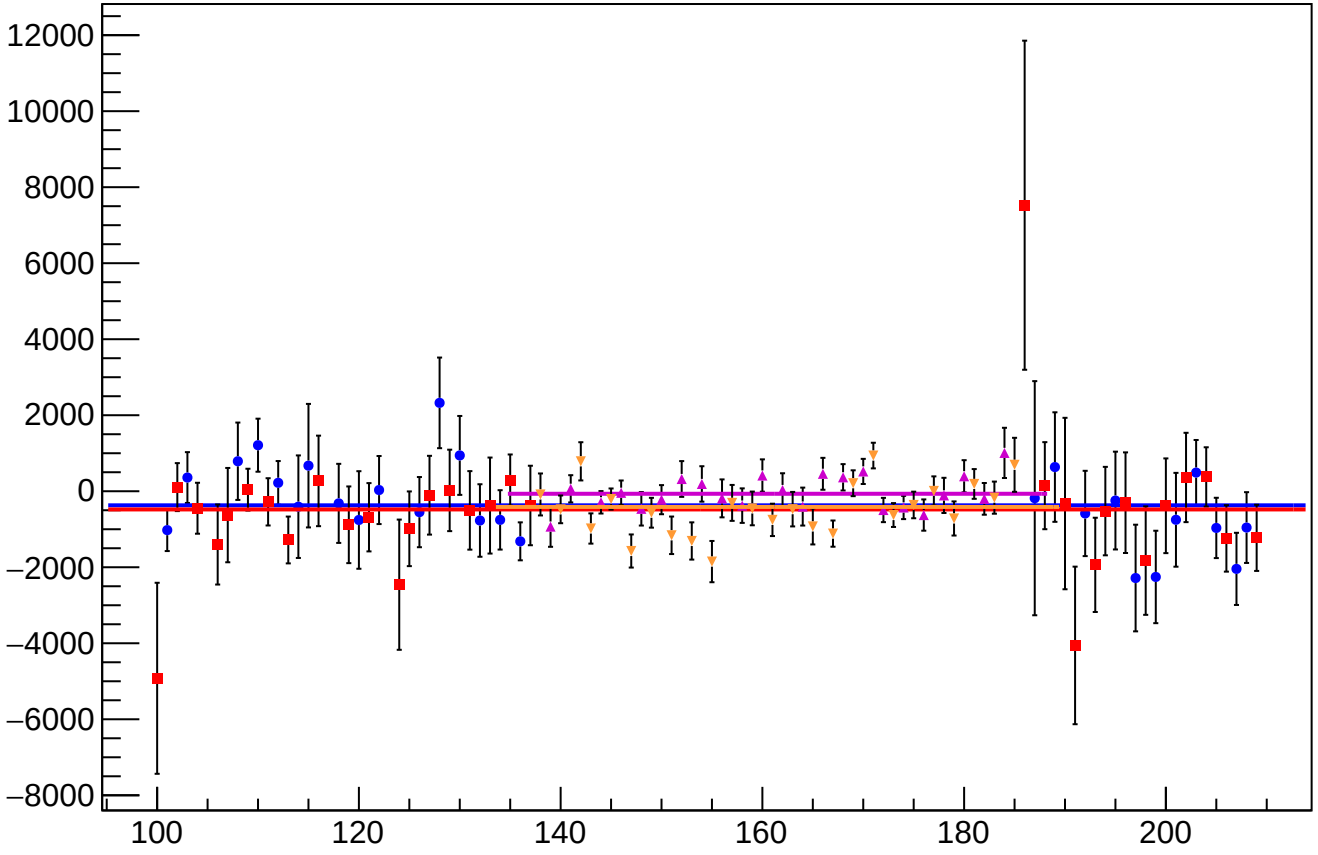
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 62.114+/-0.008 χ^2/NDF: 6556919.9/51

All: 62.627+/-0.006 χ^2/NDF: 14555058.9/106

- sign 63.163+/-0.008 χ^2/NDF: 7989481.1/54

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -370.565+/-171.787 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -479.027+/-168.785 χ^2/NDF: 23.6/31

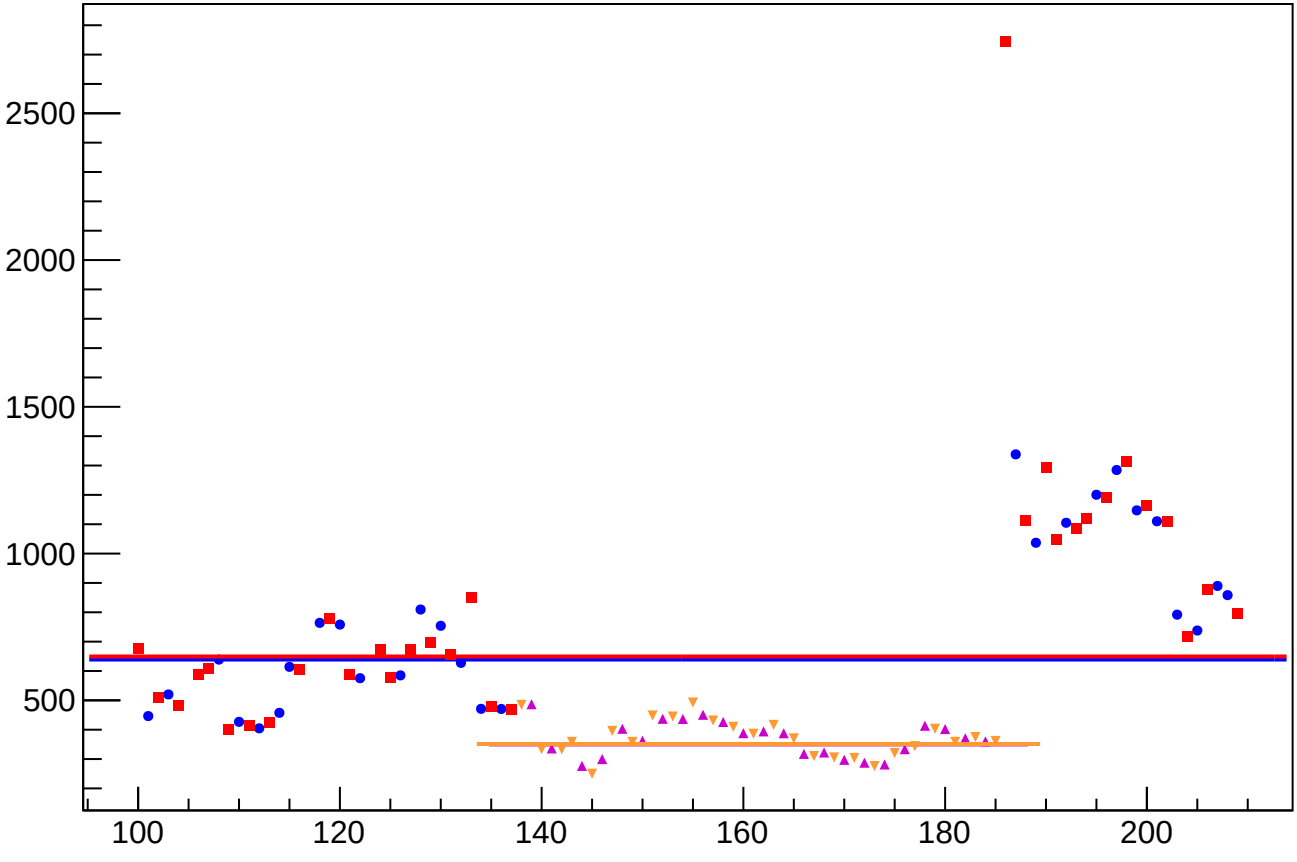
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -405.304+/-73.363 χ^2/NDF: 92.9/51

All: -278.242+/-52.287 χ^2/NDF: 150.3/106

- sign -147.069+/-74.541 χ^2/NDF: 51.3/54

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 639.061+/-0.121 χ^2/NDF: 3702835.3/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 649.400+/-0.119 χ^2/NDF: 4725700.2/31

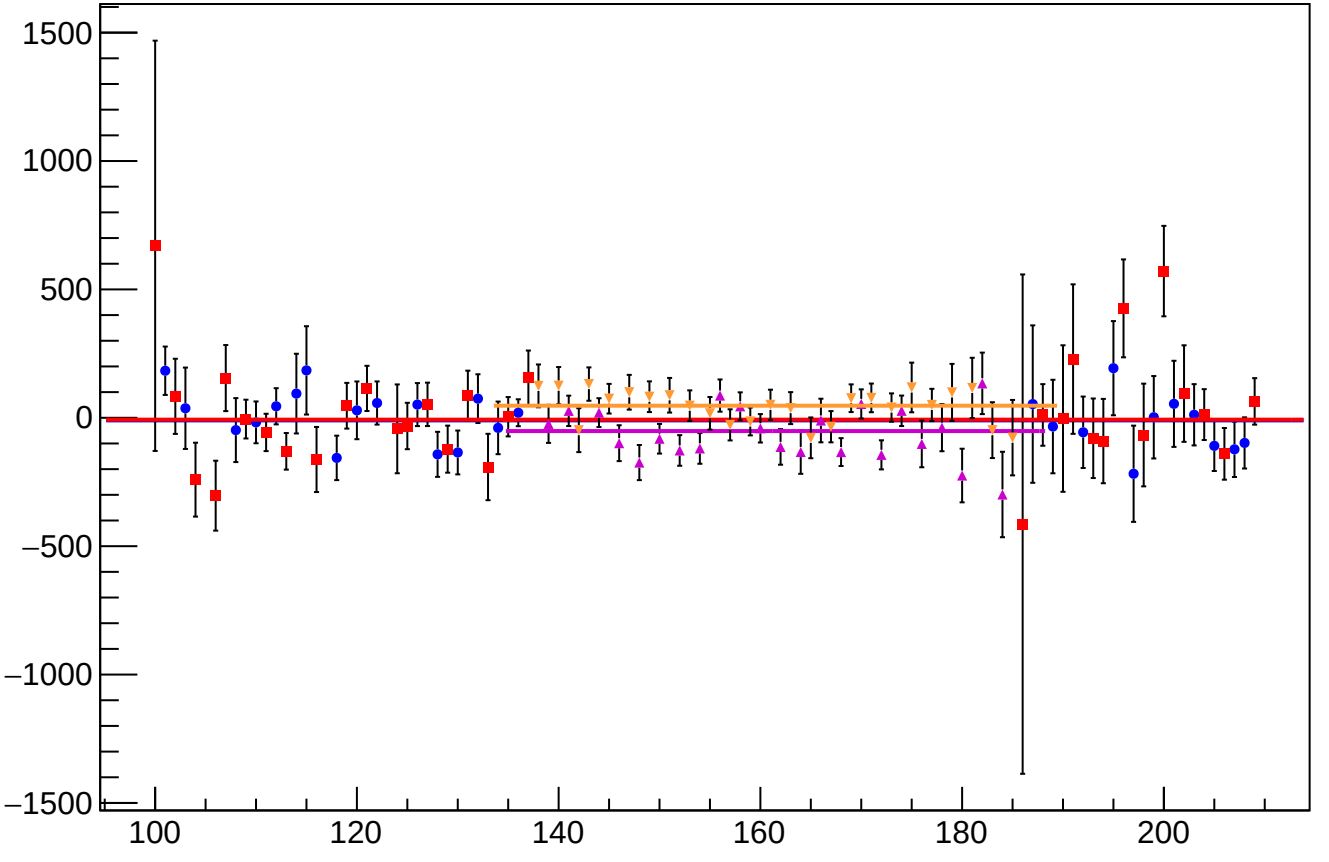
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 403.753+/-0.052 χ^2/NDF: 9410681.3/51

All: 405.963+/-0.037 χ^2/NDF: 20202483.0/10

- sign 408.244+/-0.053 χ^2/NDF: 10788114.6/54

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -7.227+/-19.850 χ^2/NDF: 44.9/31

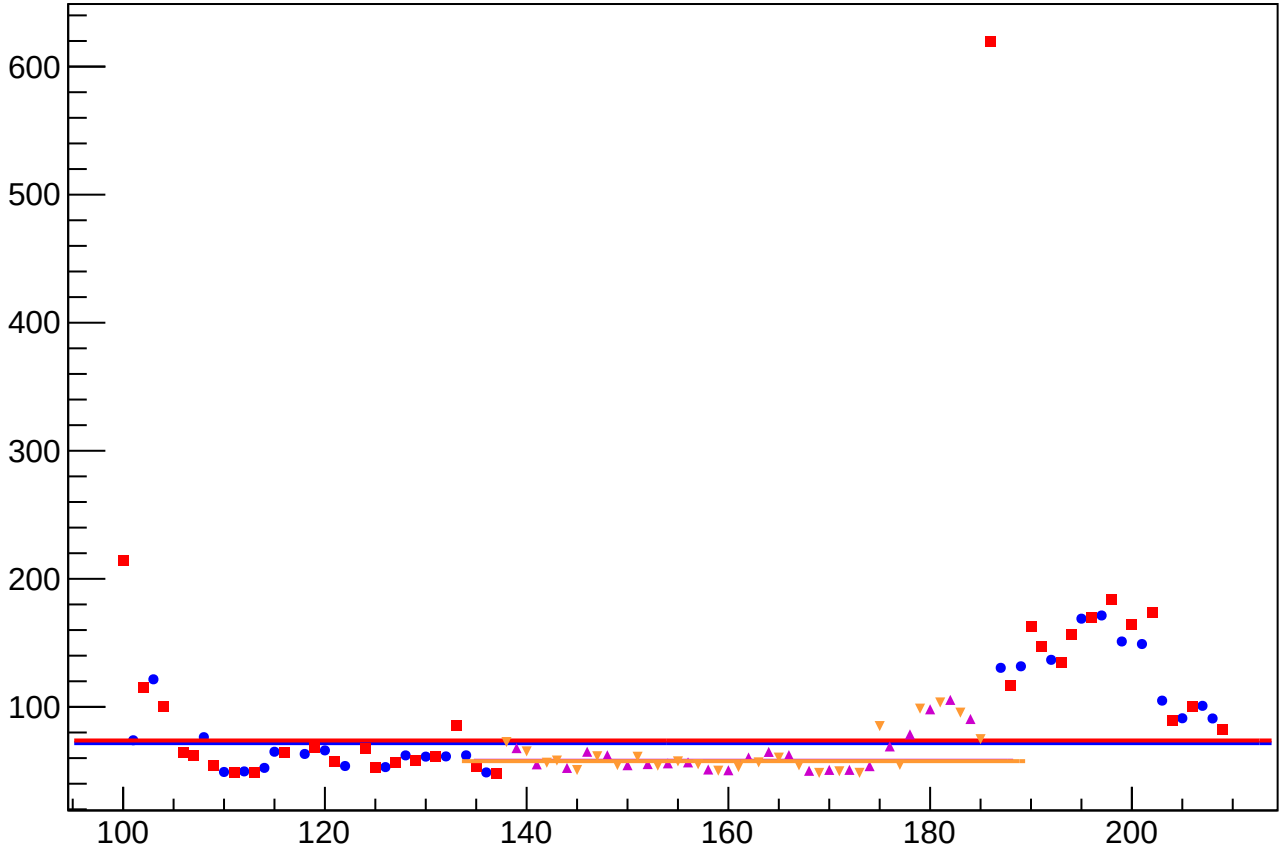
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 28.922+/-11.151 χ^2/NDF: 44.9/51

All: -3.291+/-7.973 χ^2/NDF: 148.4/106

- sign -36.987+/-11.404 χ^2/NDF: 86.4/54

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 71.688+/-0.014 χ^2/NDF: 4501065.3/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

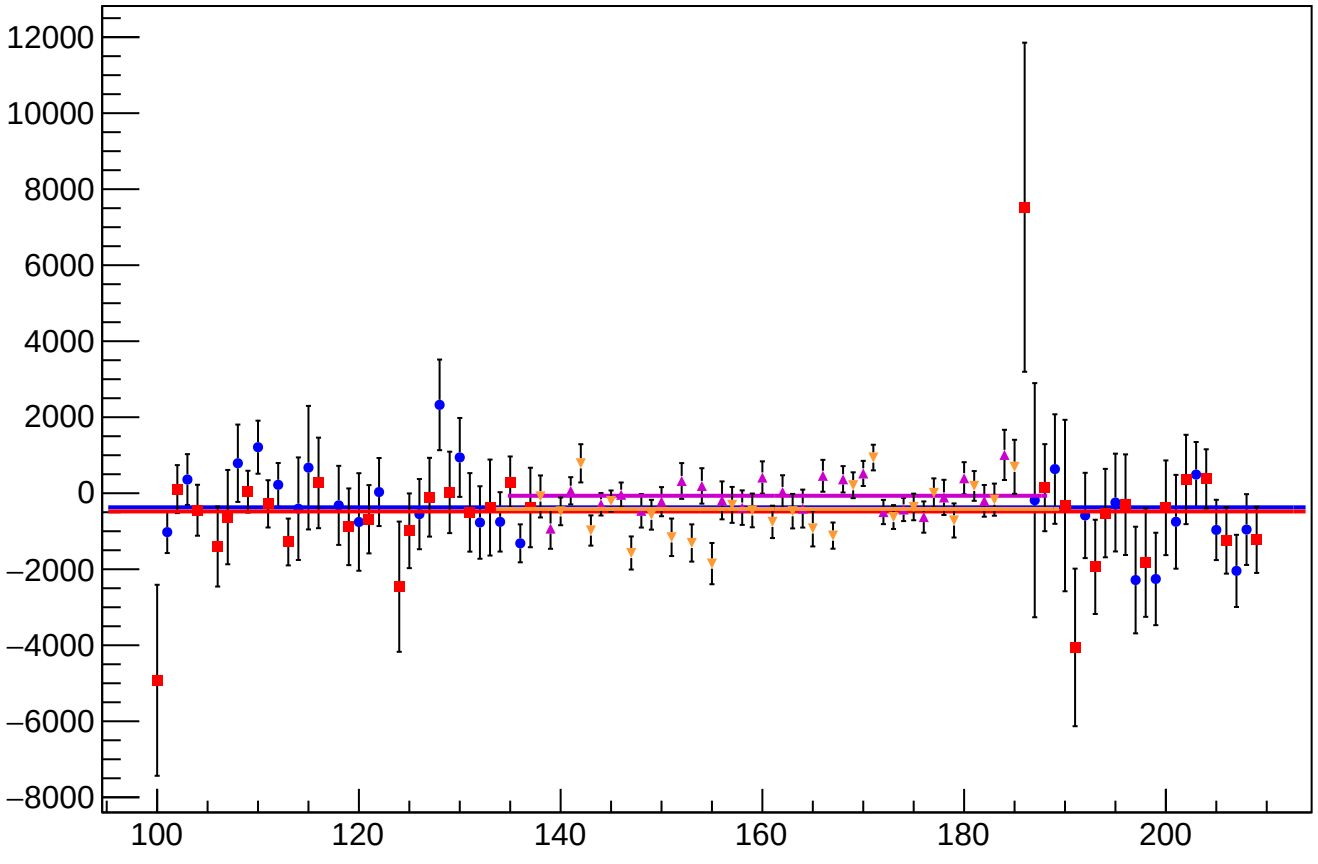
Right Out: 73.764+/-0.014 χ^2/NDF: 6013495.2/31

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 62.114+/-0.008 χ^2/NDF: 6556891.8/51

All: 62.627+/-0.006 χ^2/NDF: 14555001.9/106

- sign 63.163+/-0.008 χ^2/NDF: 7989451.8/54



Right In: -370.565+/-171.786 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

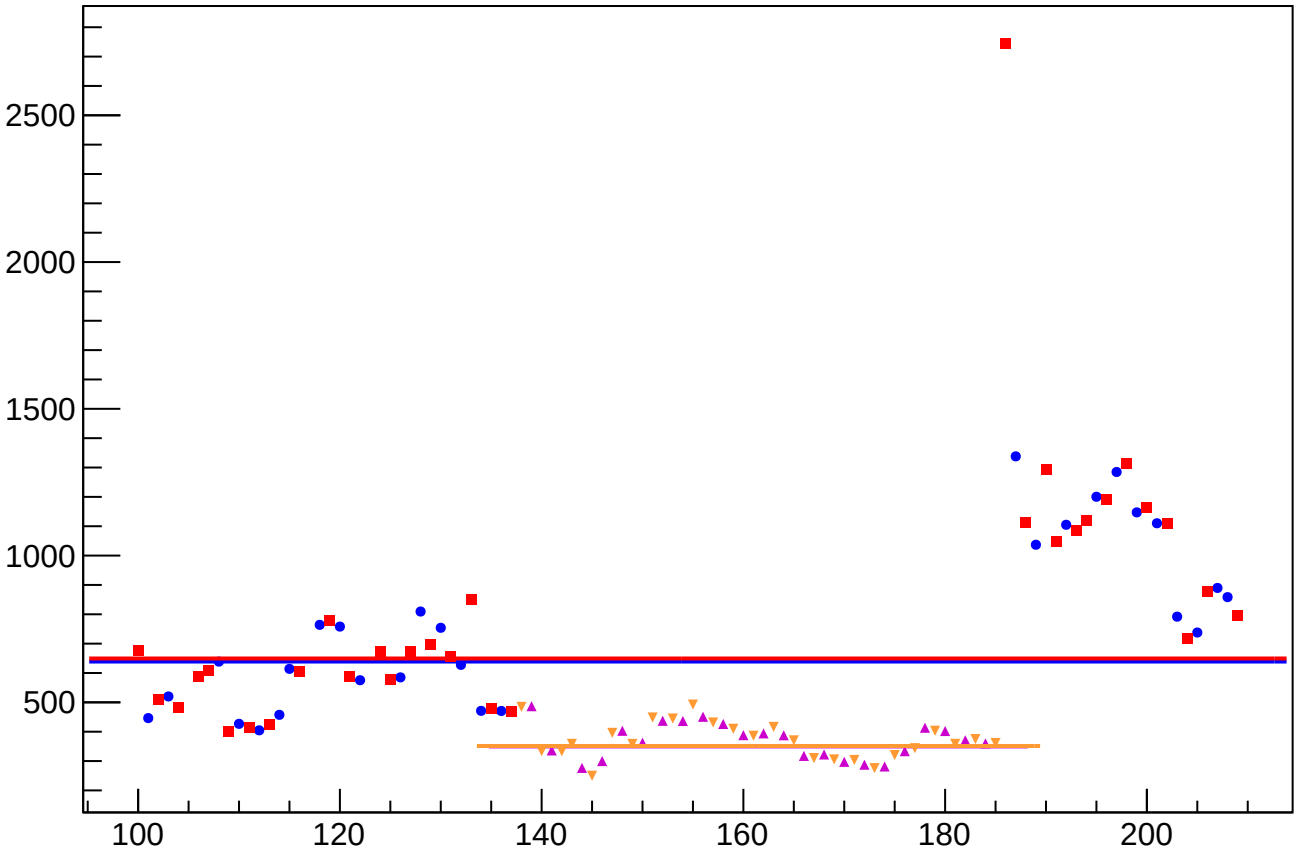
Right Out: -479.026+/-168.785 χ^2/NDF: 23.6/31

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -405.304+/-73.363 χ^2/NDF: 92.9/51

All: -278.241+/-52.287 χ^2/NDF: 150.3/106

- sign -147.068+/-74.541 χ^2/NDF: 51.3/54



Right In: 639.060+/-0.121 χ^2/NDF: 3702844.9/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 649.399+/-0.119 χ^2/NDF: 4725706.3/31

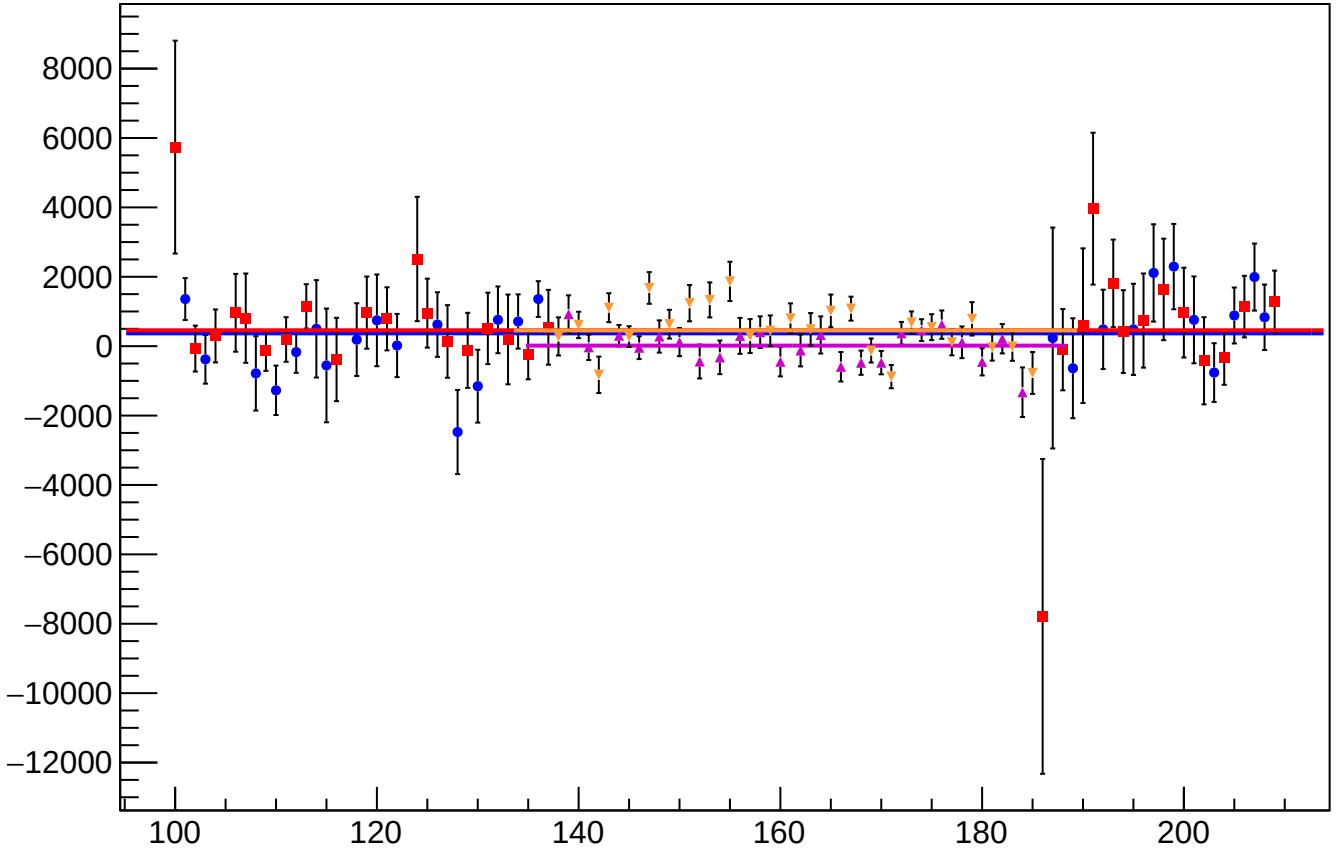
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 403.753+/-0.052 χ^2/NDF: 9410673.3/51

All: 405.962+/-0.037 χ^2/NDF: 20202456.1/10

- sign 408.243+/-0.053 χ^2/NDF: 10788095.5/54

asym_sam_1357_avg_mean vs Slug



Right In: 369.767+/-176.535 χ^2/NDF: 33.3/26

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 458.828+/-175.070 χ^2/NDF: 21.2/31

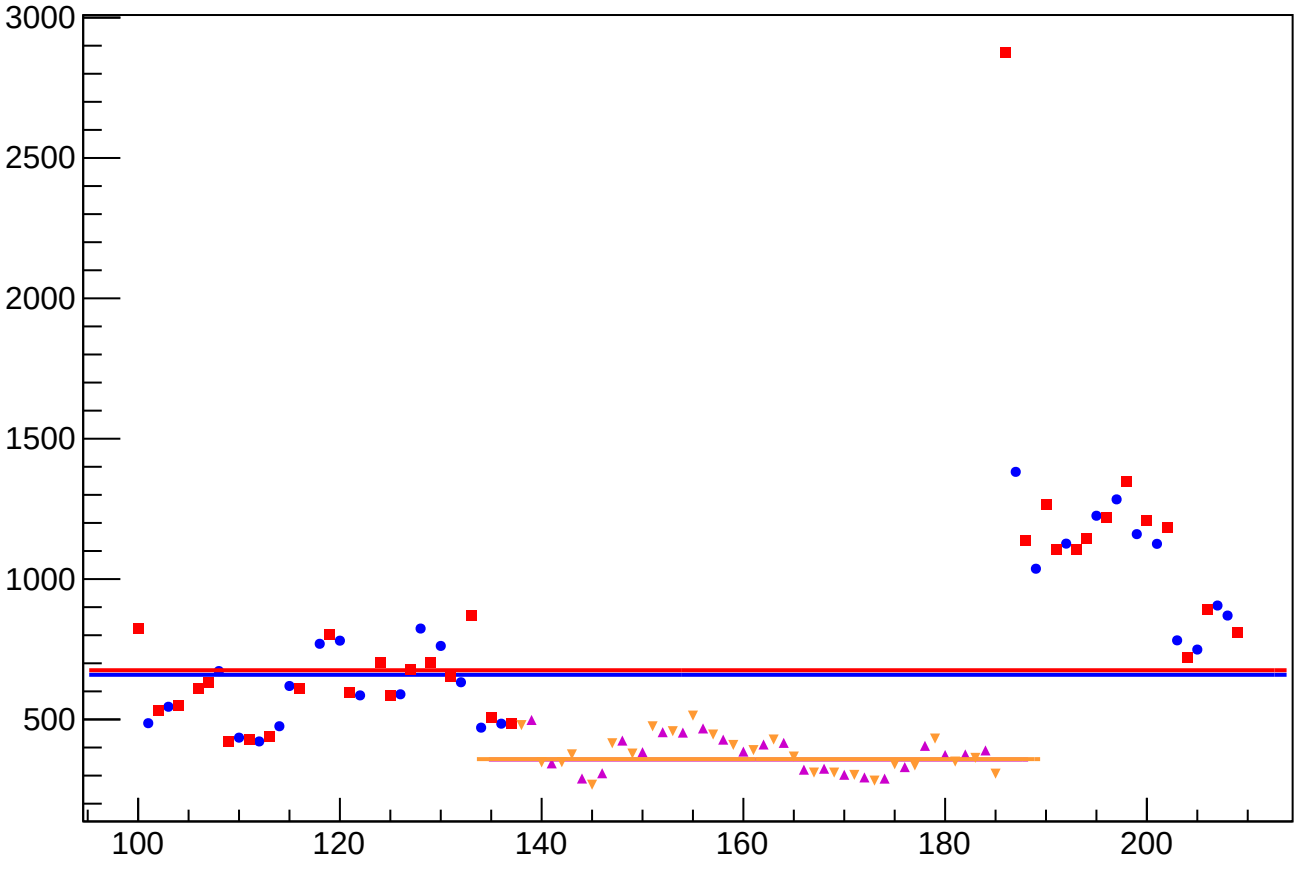
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 439.774+/-75.083 χ^2/NDF: 94.3/51

All: 272.837+/-53.531 χ^2/NDF: 155.6/106

- sign 100.261+/-76.341 χ^2/NDF: 51.3/54

asym_sam_1357_avg_rms vs Slug



Right In: 659.070+/-0.125 χ^2/NDF: 3481282.1/26

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 675.300+/-0.124 χ^2/NDF: 4530699.2/31

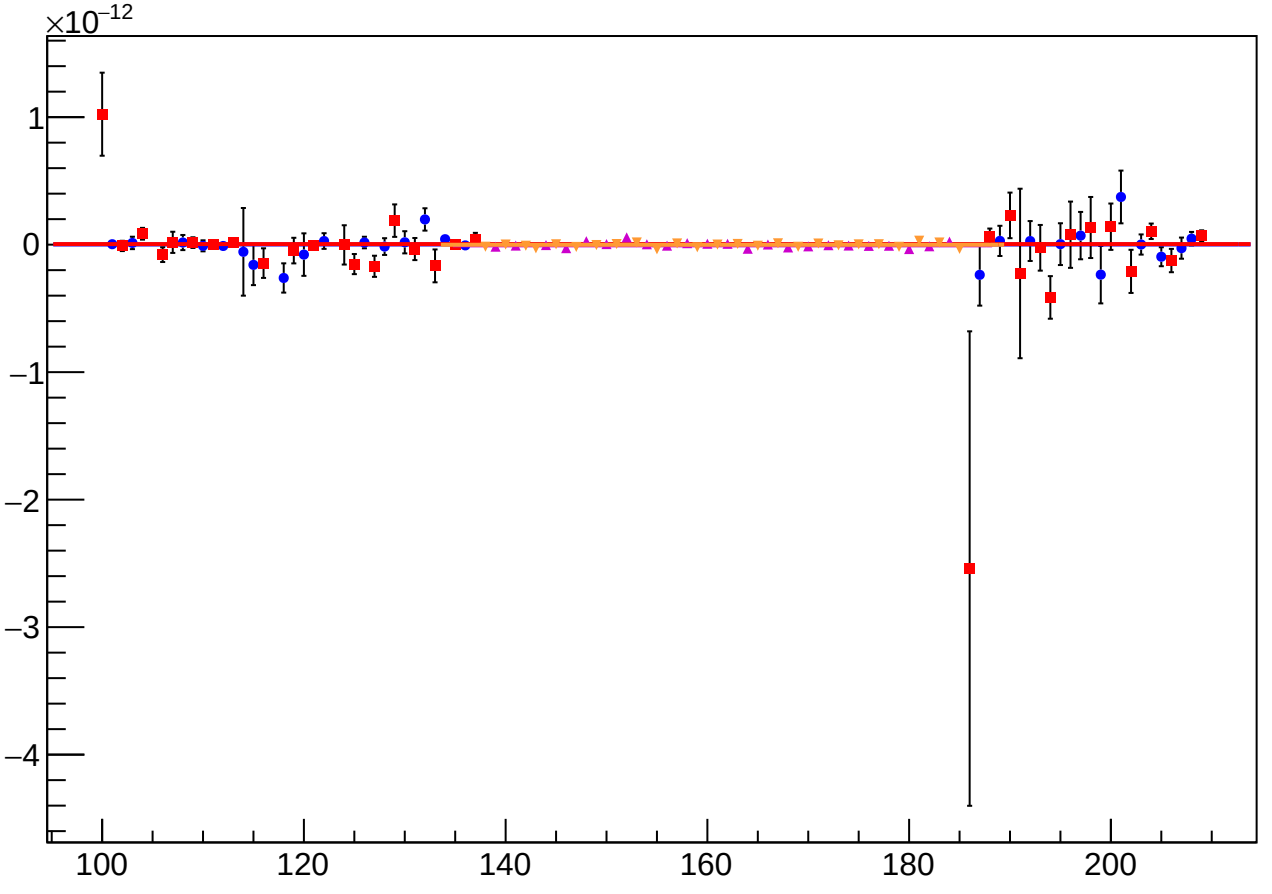
Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 413.016+/-0.053 χ^2/NDF: 9344233.6/51

All: 415.305+/-0.038 χ^2/NDF: 20208325.9/10

- sign 417.671+/-0.054 χ^2/NDF: 10860312.3/54

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

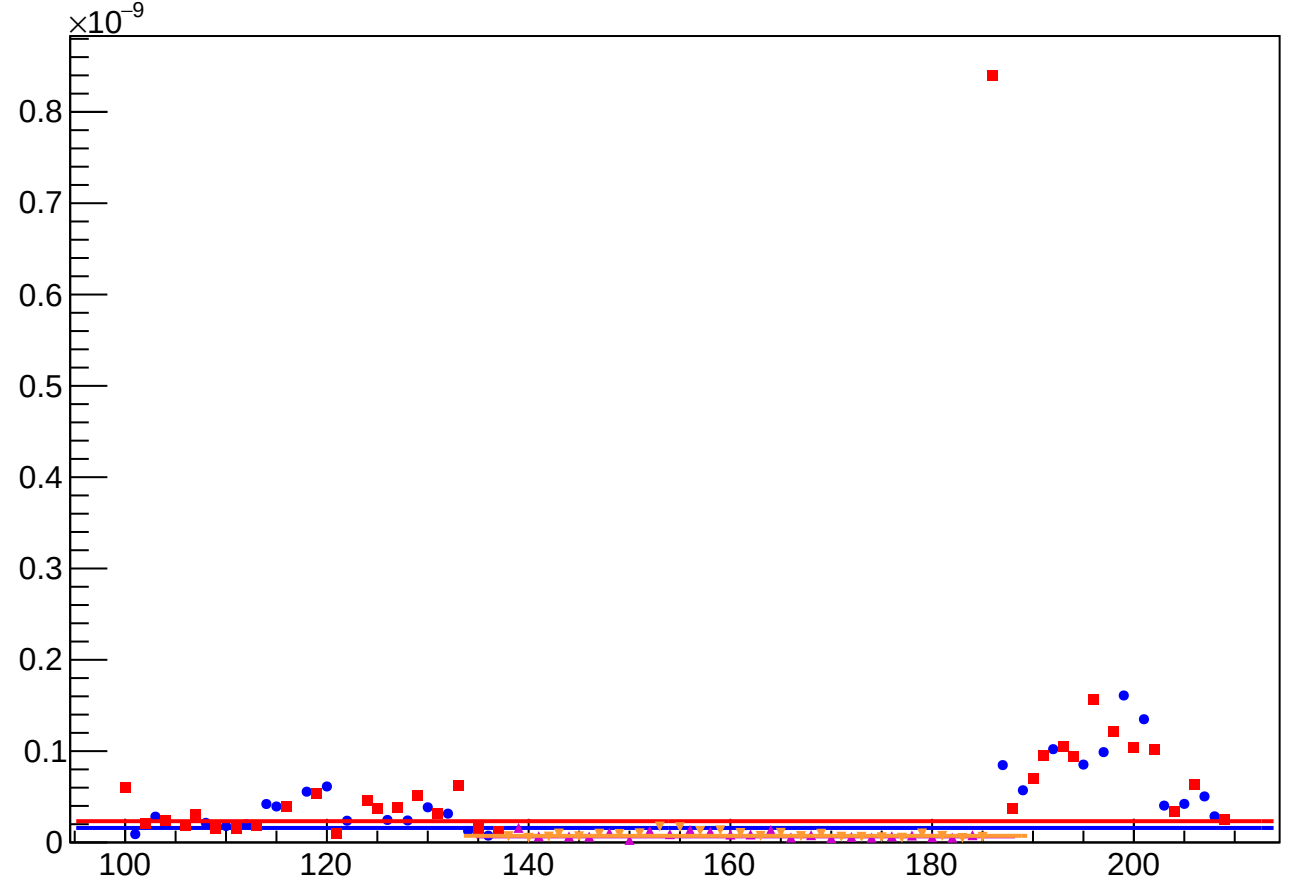
Right Out: 0.000+/-0.000 χ^2/NDF: 50.3/31

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.9/51

All: -0.000+/-0.000 χ^2/NDF: 120.8/106

- sign -0.000+/-0.000 χ^2/NDF: 79.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 6141508.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

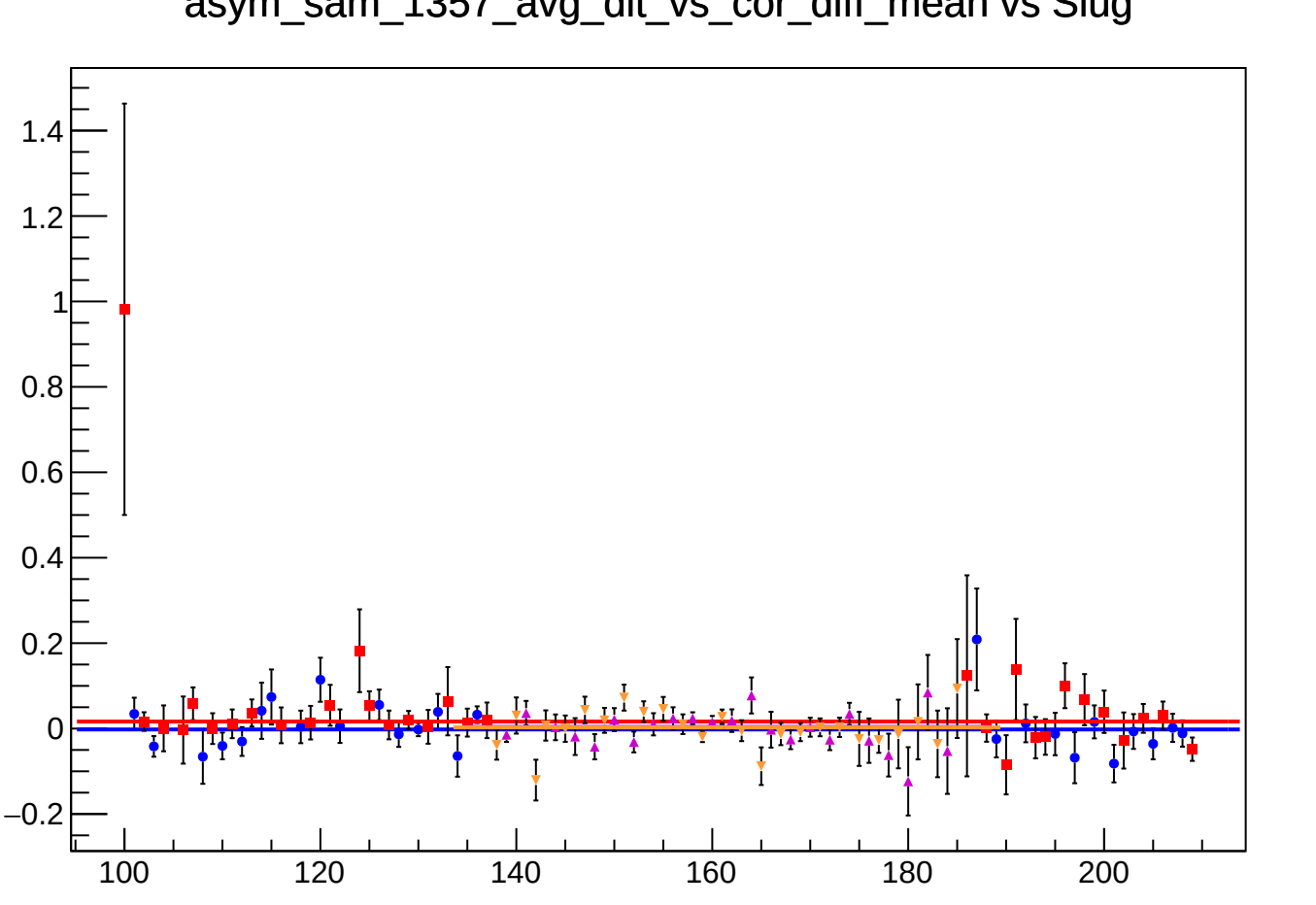
Right Out: 0.000+/-0.000 χ^2/NDF: 5146683.6/31

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9358607.4/51

All: 0.000+/-0.000 χ^2/NDF: 20497110.6/106

- sign 0.000+/-0.000 χ^2/NDF: 11114455.6/54



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.016+/-0.007 χ^2/NDF: 26.0/31

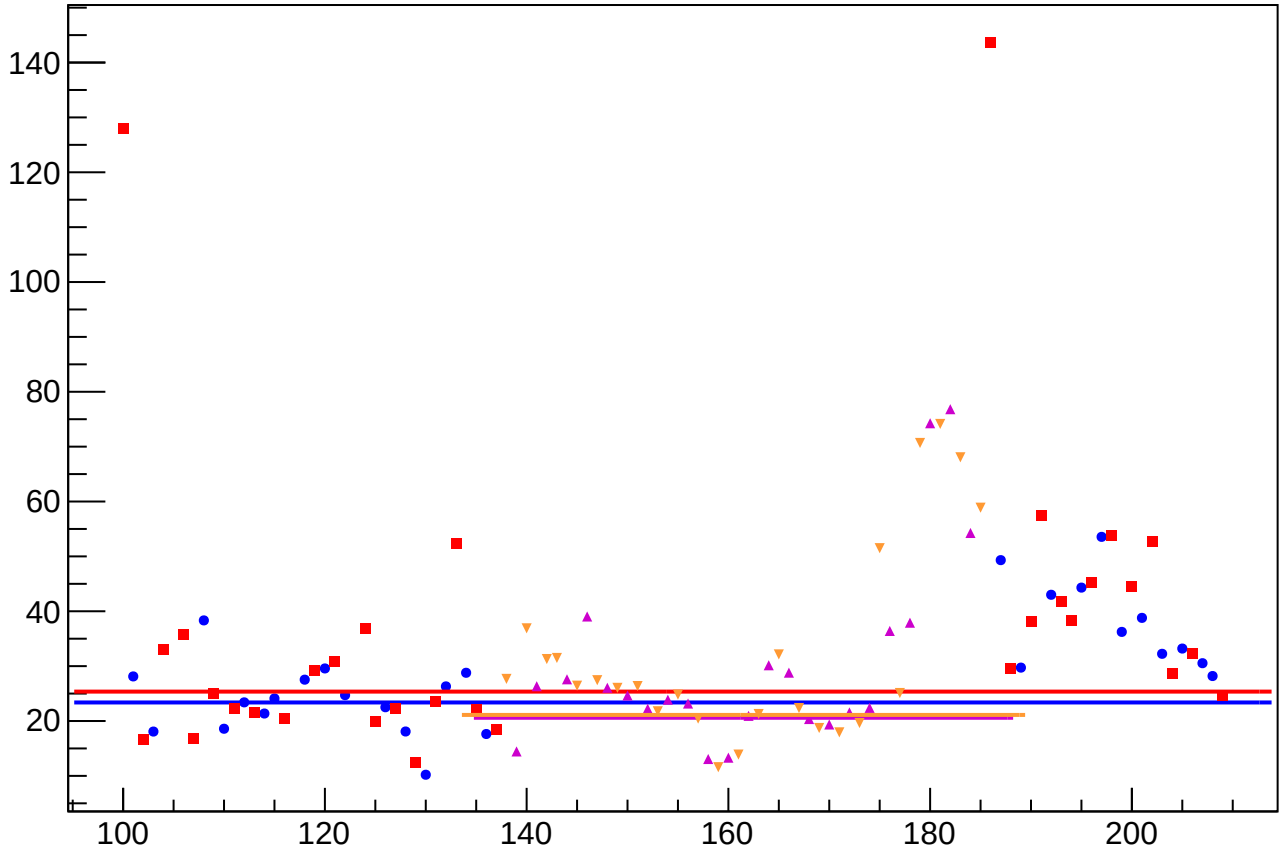
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 119.1/106

- sign 0.009+/-0.004 χ^2/NDF: 52.6/54

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

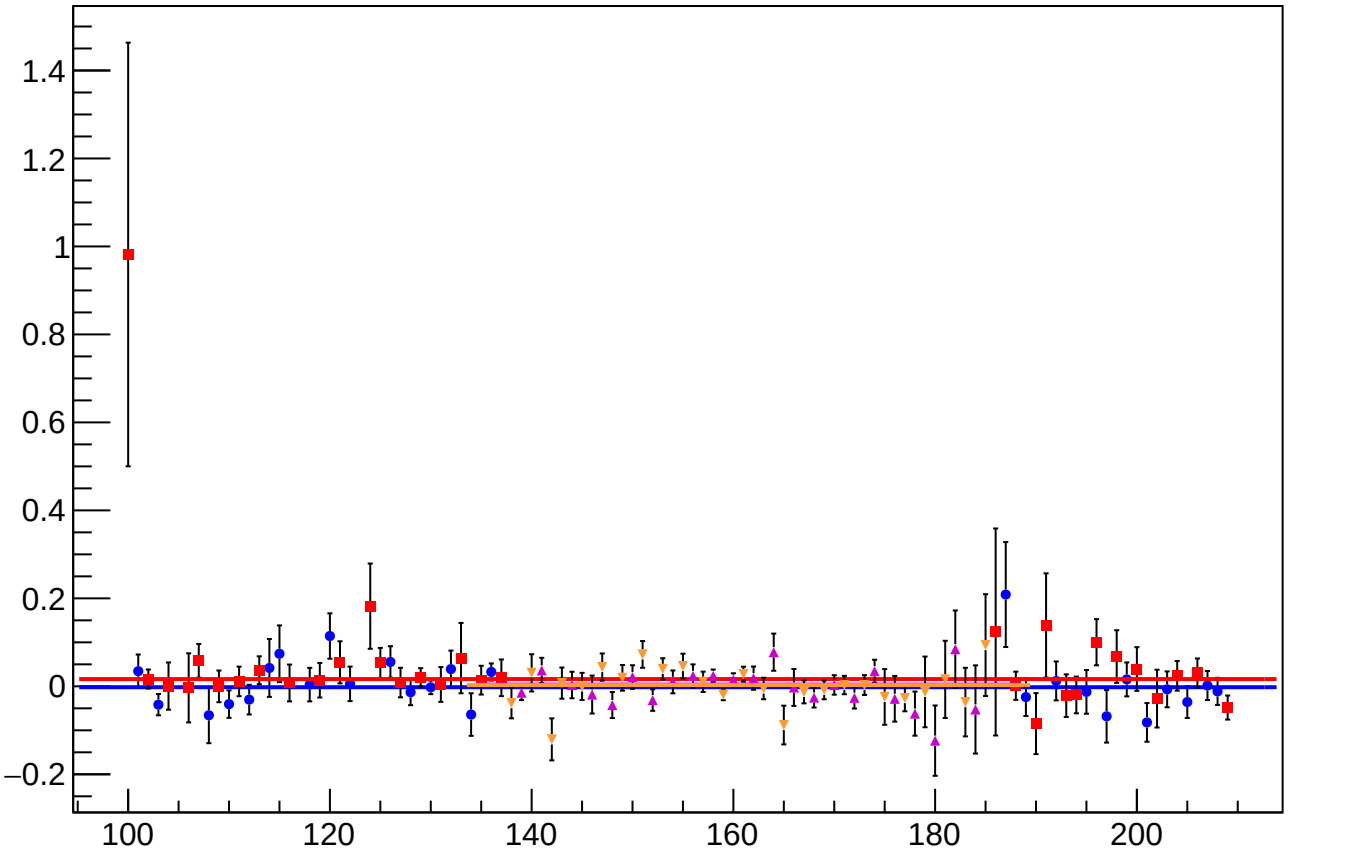
Right Out: 25.358+/-0.005 χ^2/NDF: 4541706.3/31

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983513.4/51

All: 22.209+/-0.002 χ^2/NDF: 19716353.3/106

- sign 22.400+/-0.003 χ^2/NDF: 9725030.6/54



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

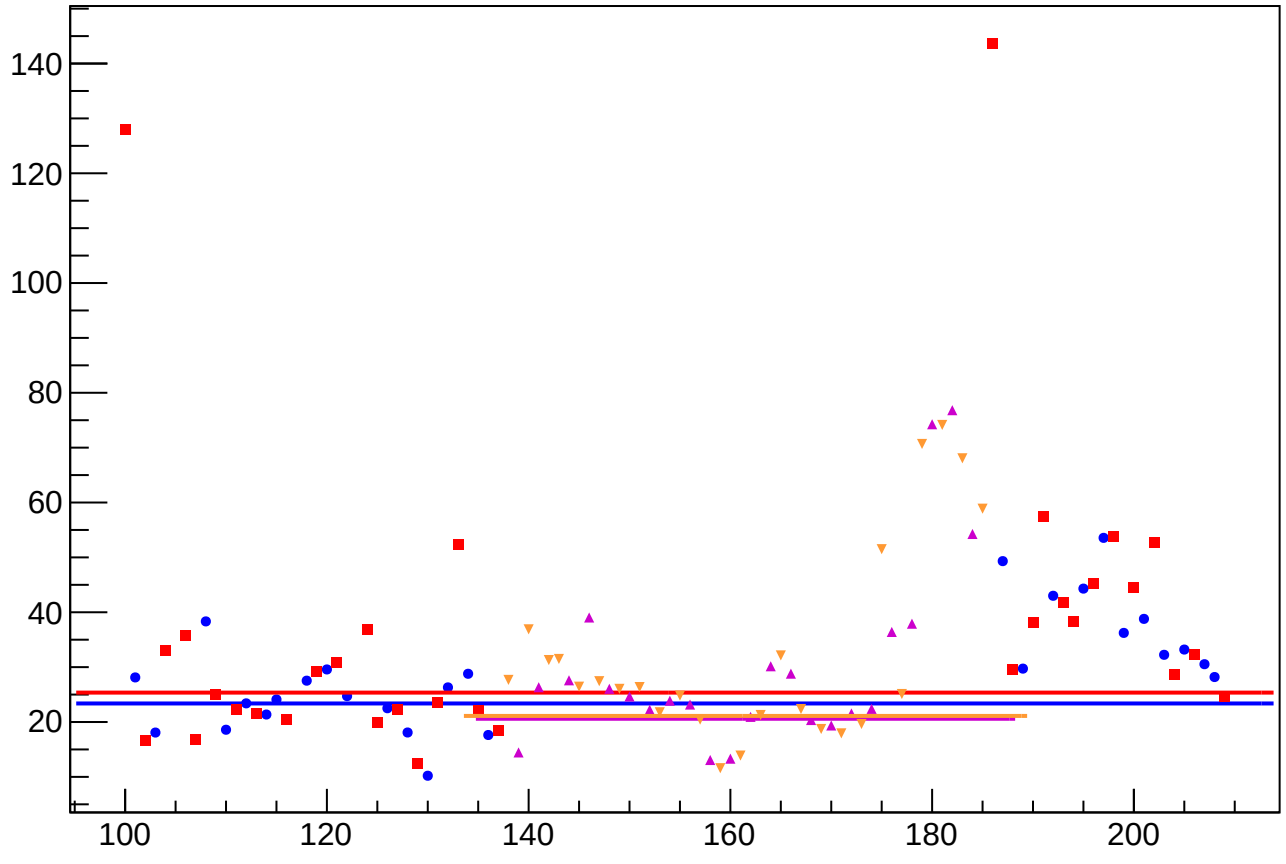
Right Out: 0.016+/-0.007 χ^2/NDF: 26.0/31

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 119.1/106

- sign 0.009+/-0.004 χ^2/NDF: 52.6/54



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

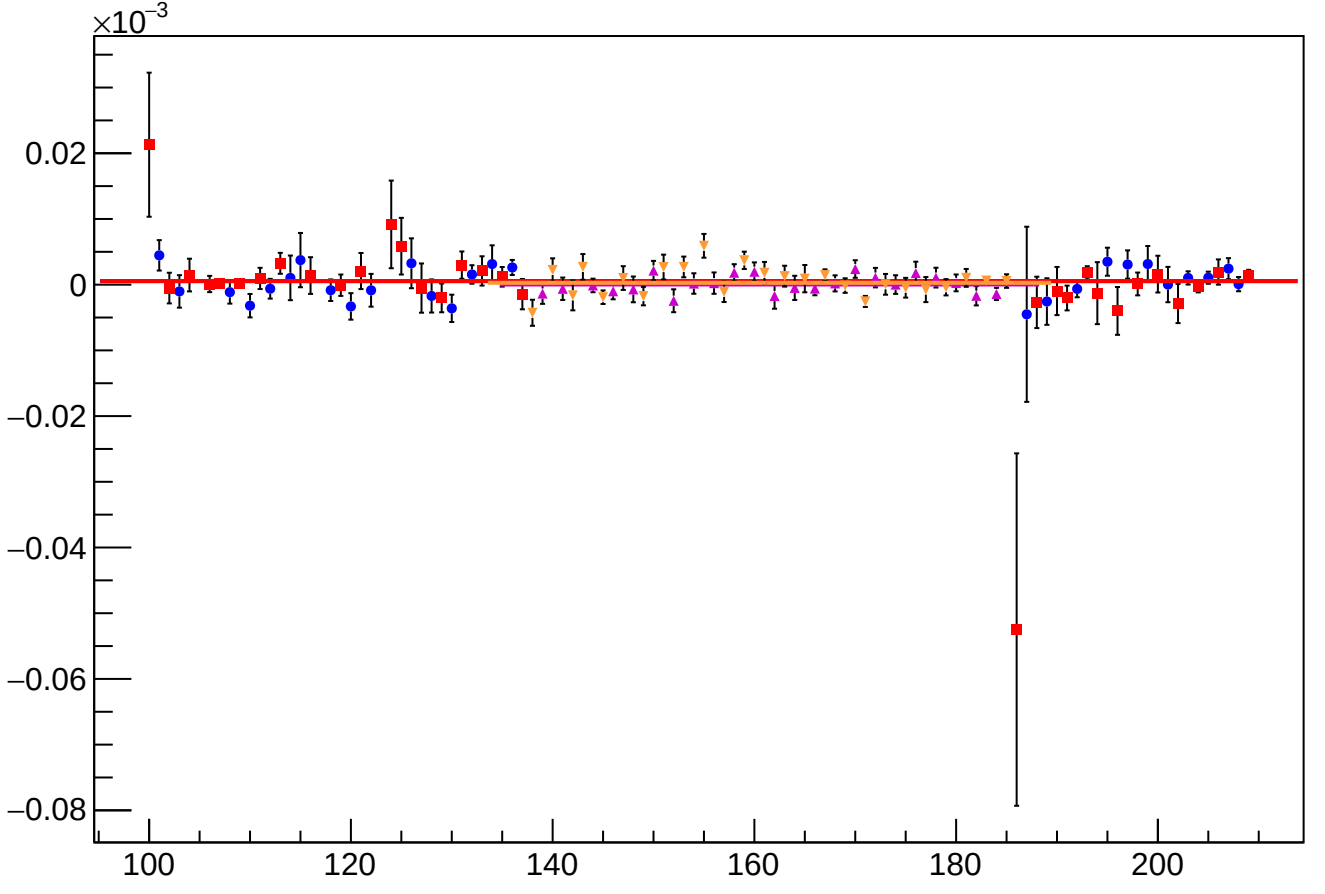
Right Out: 25.358+/-0.005 χ^2/NDF: 4541706.3/31

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983513.4/51

All: 22.209+/-0.002 χ^2/NDF: 19716353.3/106

- sign 22.400+/-0.003 χ^2/NDF: 9725030.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

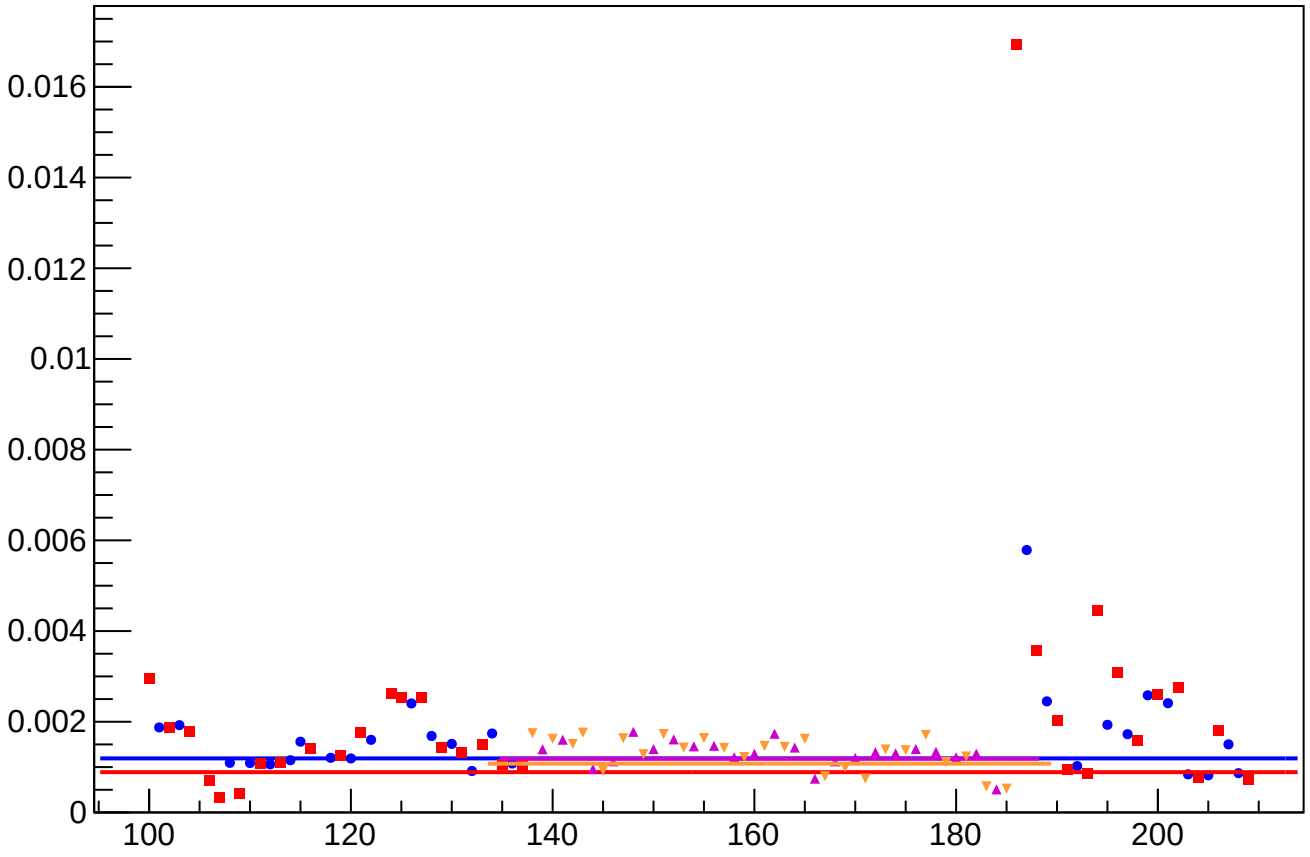
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/31

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 85.5/51

All: 0.000+/-0.000 χ^2/NDF: 137.1/106

- sign 0.000+/-0.000 χ^2/NDF: 51.5/54



Right In: 0.001+/-0.000 χ^2/NDF: 3588753.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

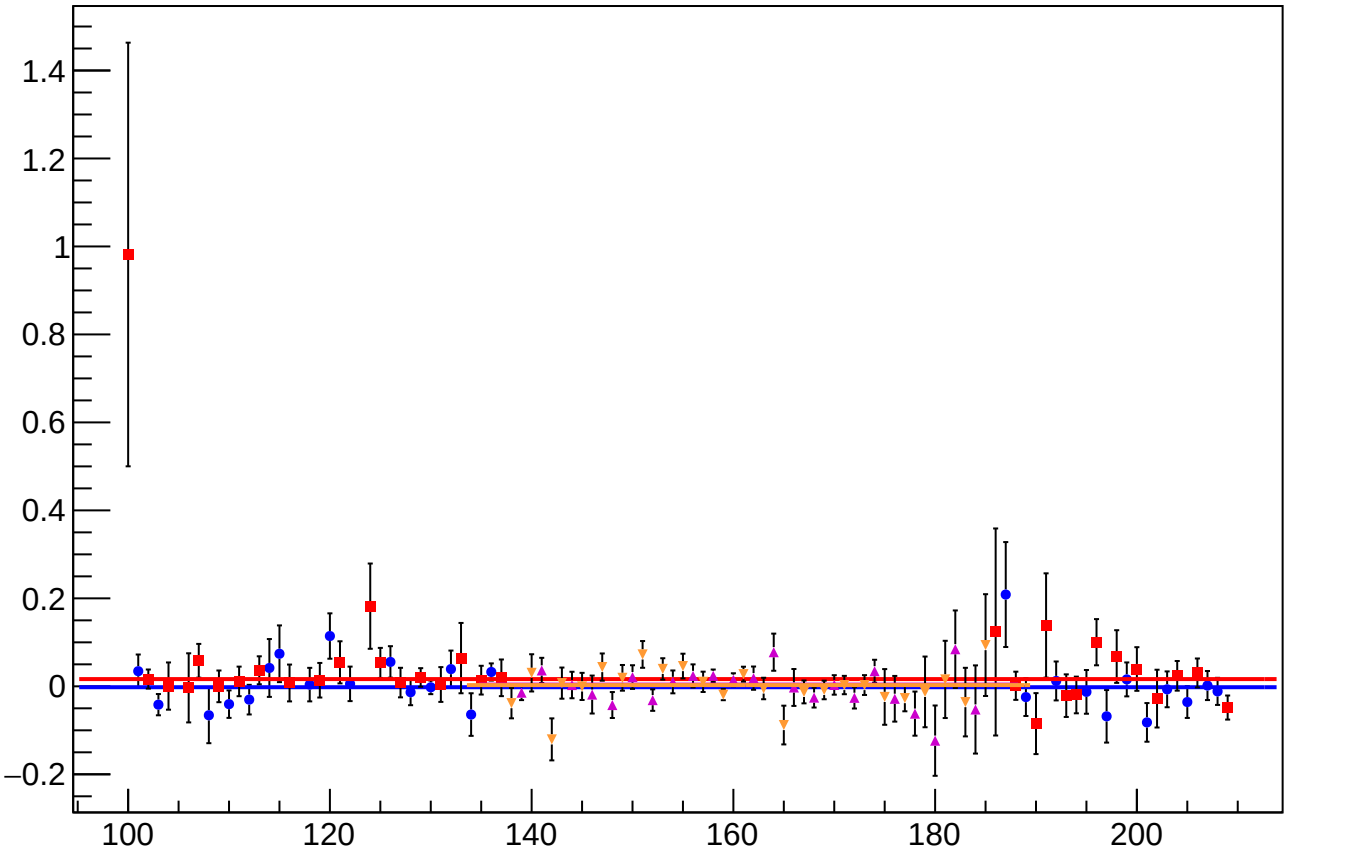
Right Out: 0.001+/-0.000 χ^2/NDF: 11133230.3/31

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8282925.2/51

All: 0.001+/-0.000 χ^2/NDF: 23232581.4/106

- sign 0.001+/-0.000 χ^2/NDF: 14722820.9/54



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

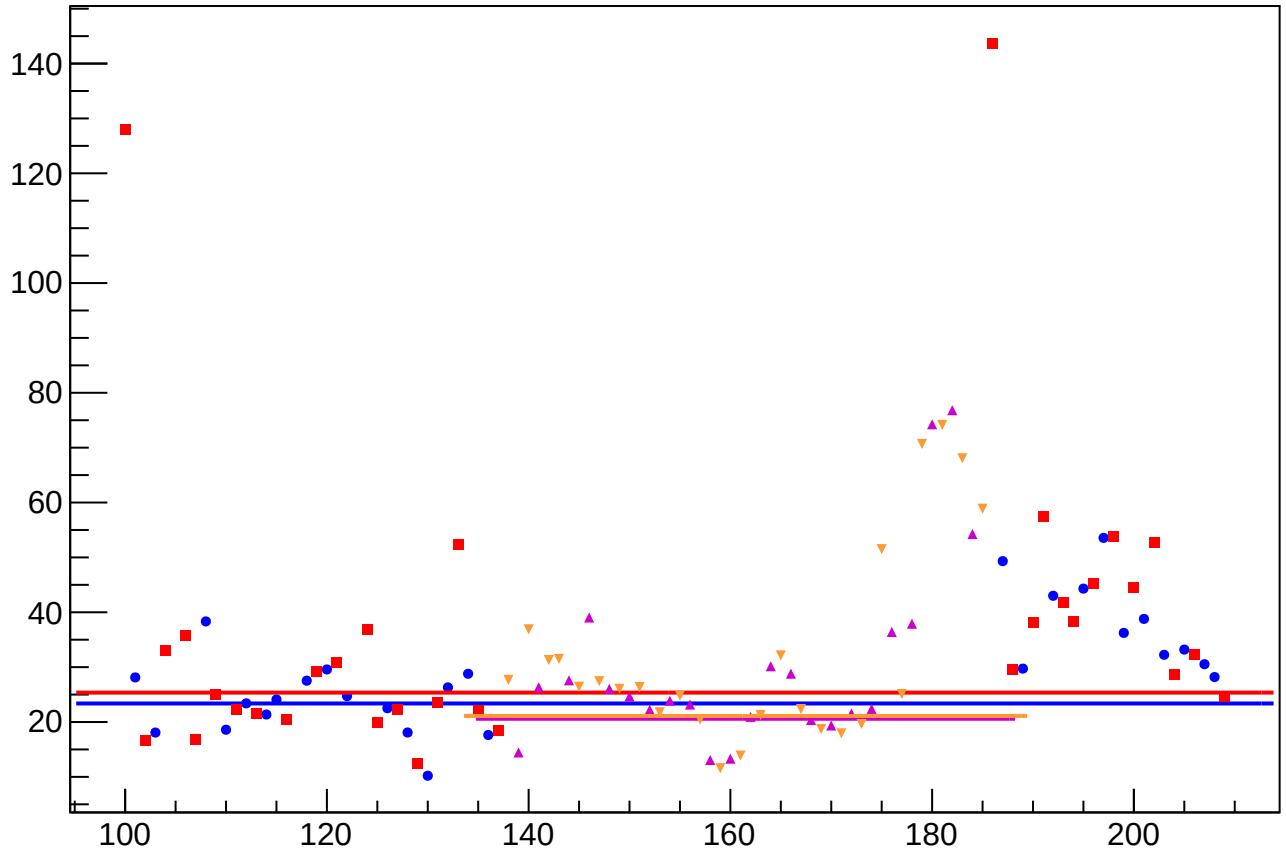
Right Out: 0.016+/-0.007 χ^2/NDF: 26.0/31

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 119.1/106

- sign 0.009+/-0.004 χ^2/NDF: 52.6/54



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.359+/-0.005 χ^2/NDF: 4541681.6/31

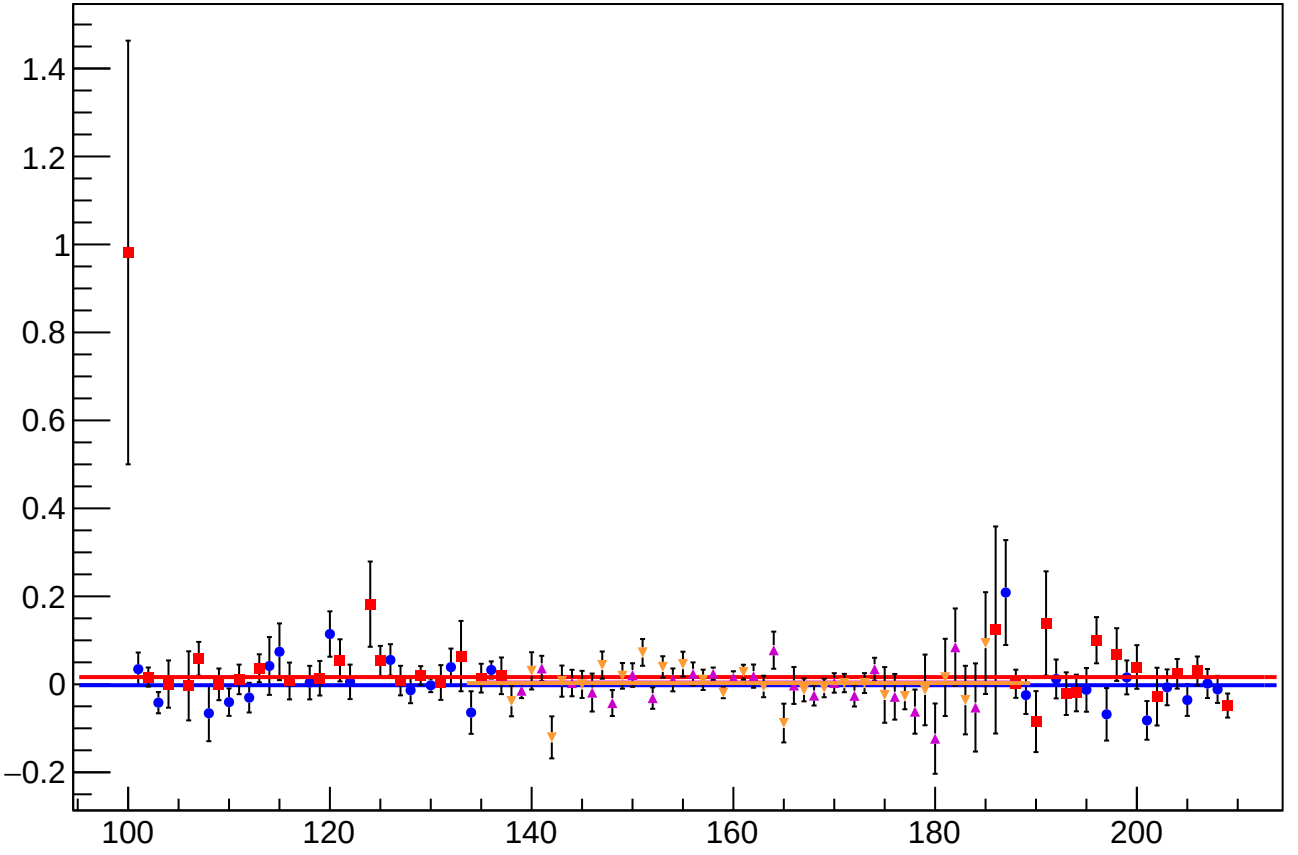
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983419.5/51

All: 22.210+/-0.002 χ^2/NDF: 19716215.9/106

- sign 22.400+/-0.003 χ^2/NDF: 9724985.9/54

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

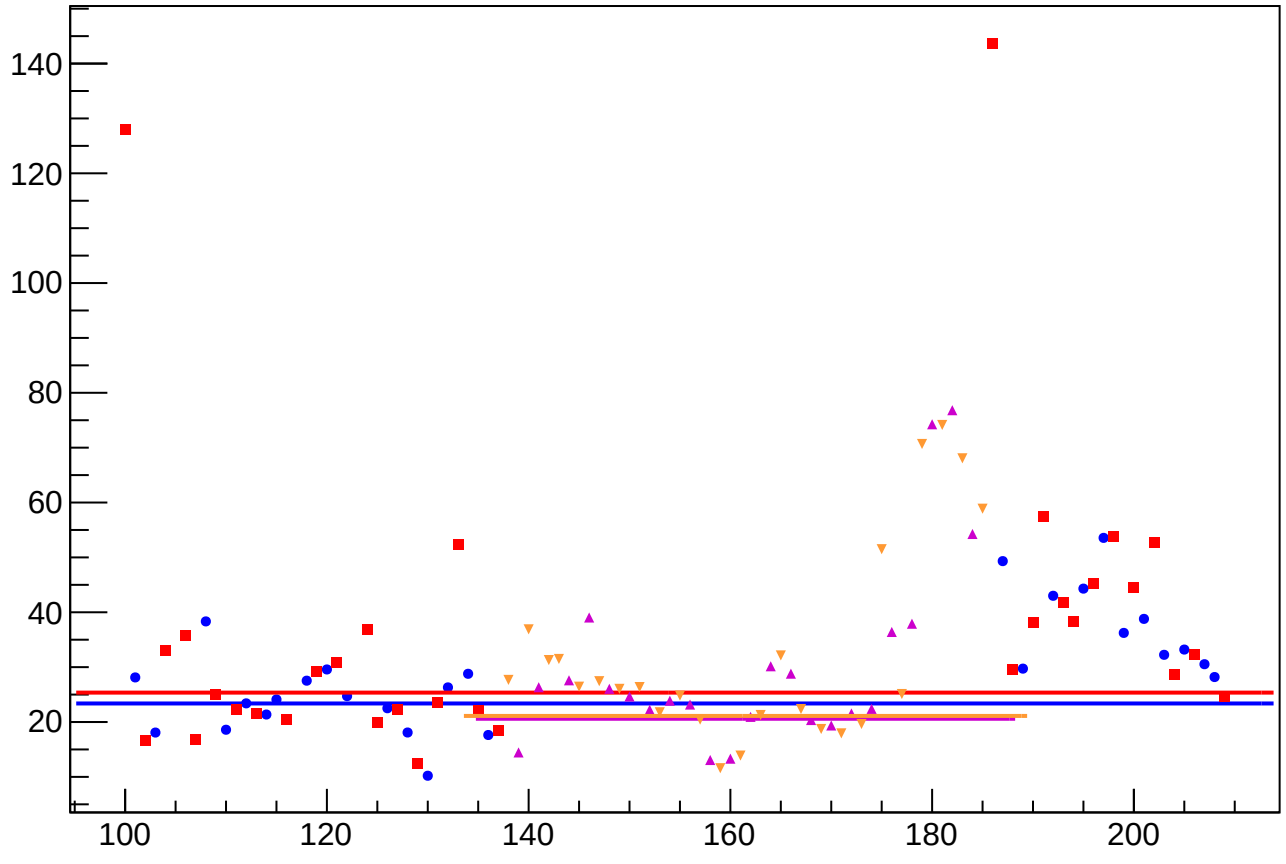
Right Out: 0.016+/-0.007 χ^2/NDF: 26.0/31

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.7/51

All: 0.005+/-0.003 χ^2/NDF: 119.1/106

- sign 0.009+/-0.004 χ^2/NDF: 52.6/54



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

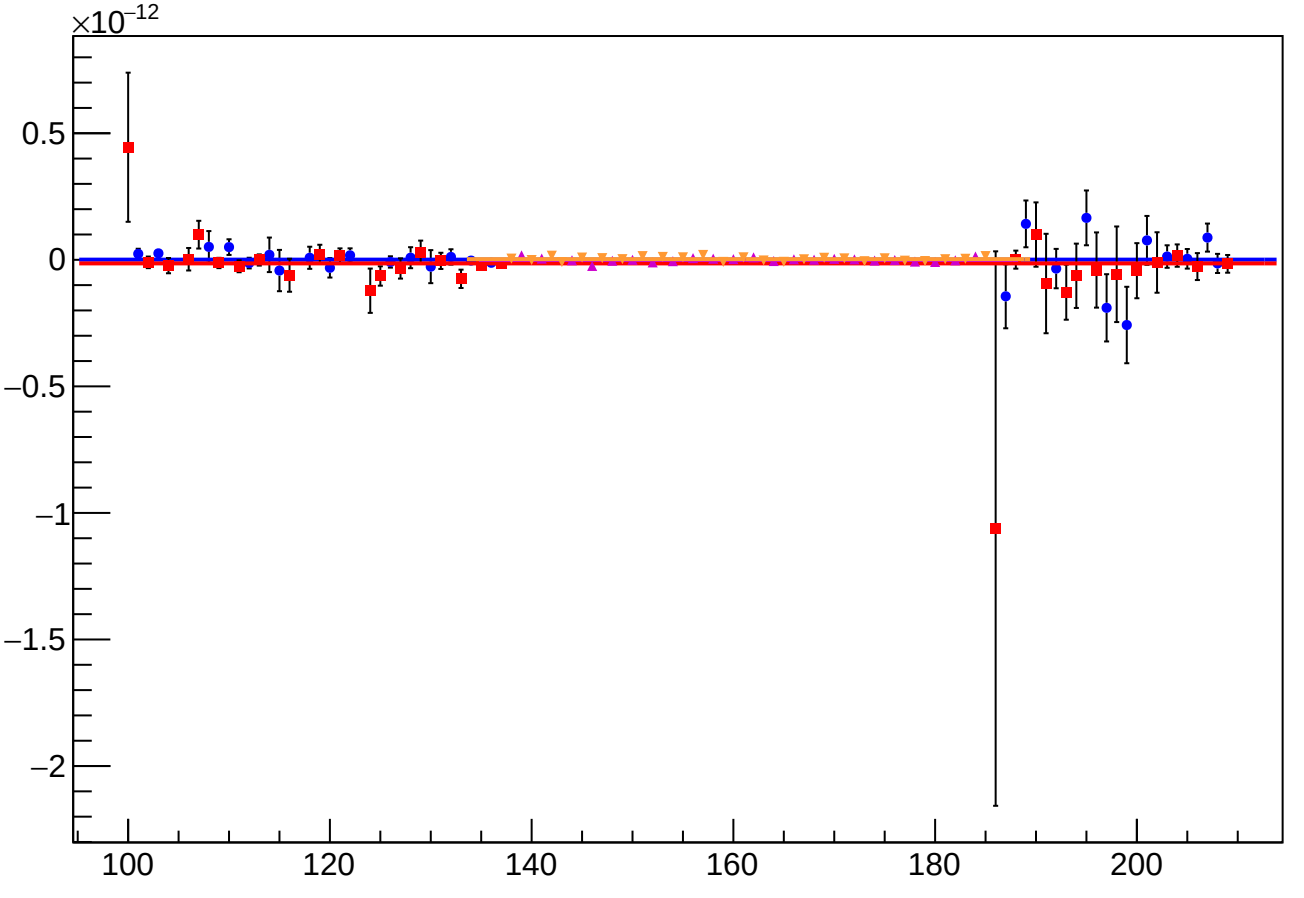
Right Out: 25.359+/-0.005 χ^2/NDF: 4541681.6/31

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.025+/-0.003 χ^2/NDF: 9983419.5/51

All: 22.210+/-0.002 χ^2/NDF: 19716215.9/106

- sign 22.400+/-0.003 χ^2/NDF: 9724985.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

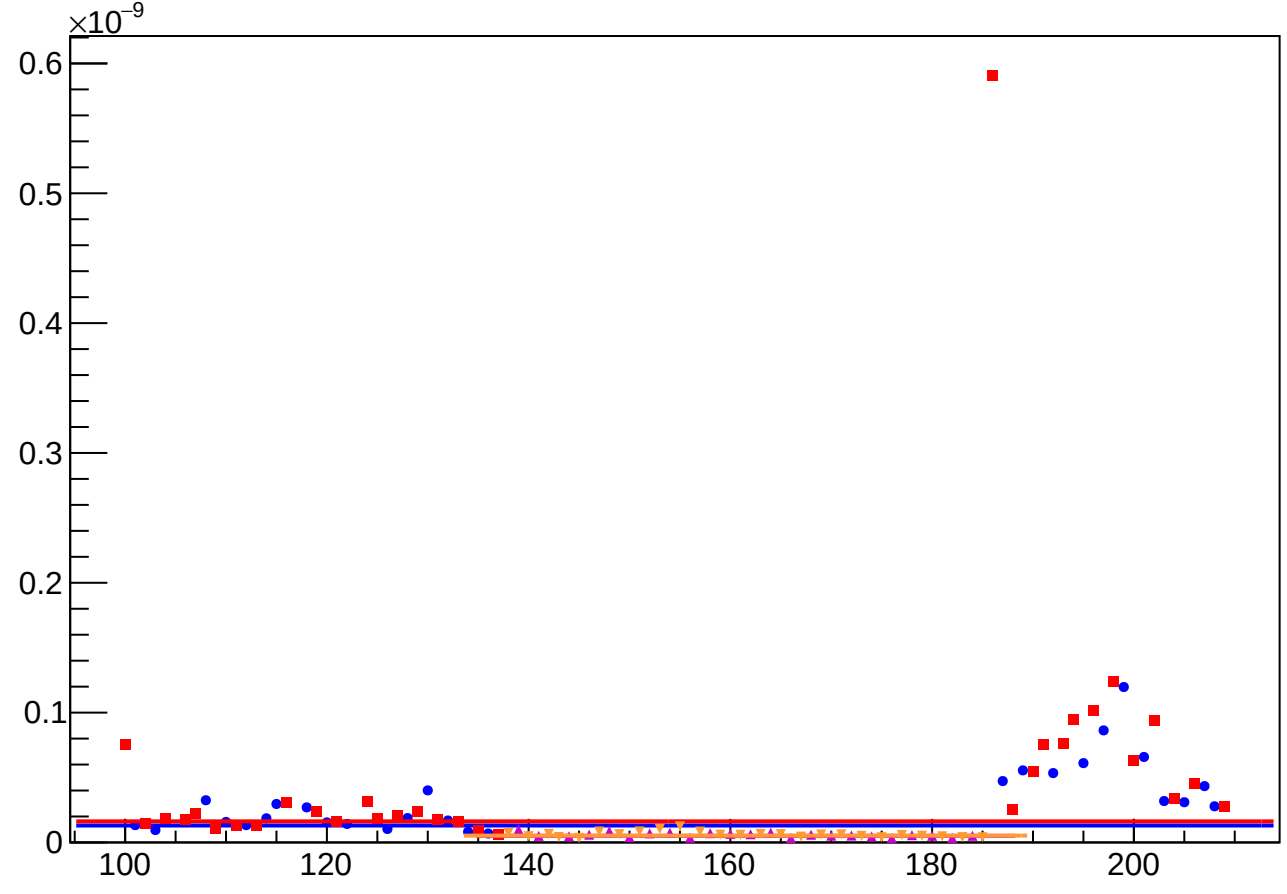
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/31

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.8/51

All: 0.000+/-0.000 χ^2/NDF: 97.0/106

- sign -0.000+/-0.000 χ^2/NDF: 47.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 7582265.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7835890.4/31

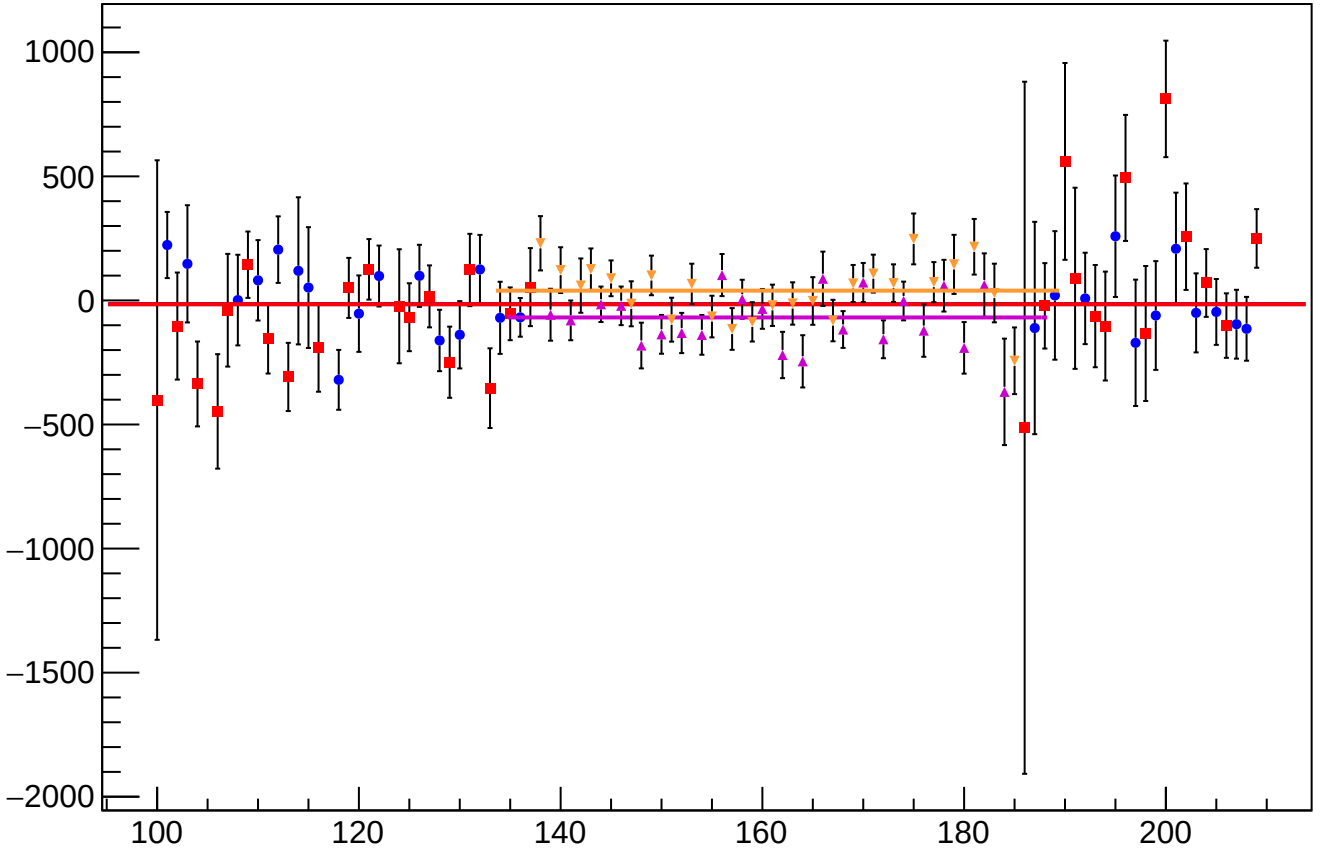
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13523059.8/51

All: 0.000+/-0.000 χ^2/NDF: 29255674.8/106

- sign 0.000+/-0.000 χ^2/NDF: 15726468.4/54

reg_asym_sam_2468_avg_mean vs Slug



Right In: -14.945+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -15.252+/-29.264 χ^2/NDF: 52.1/31

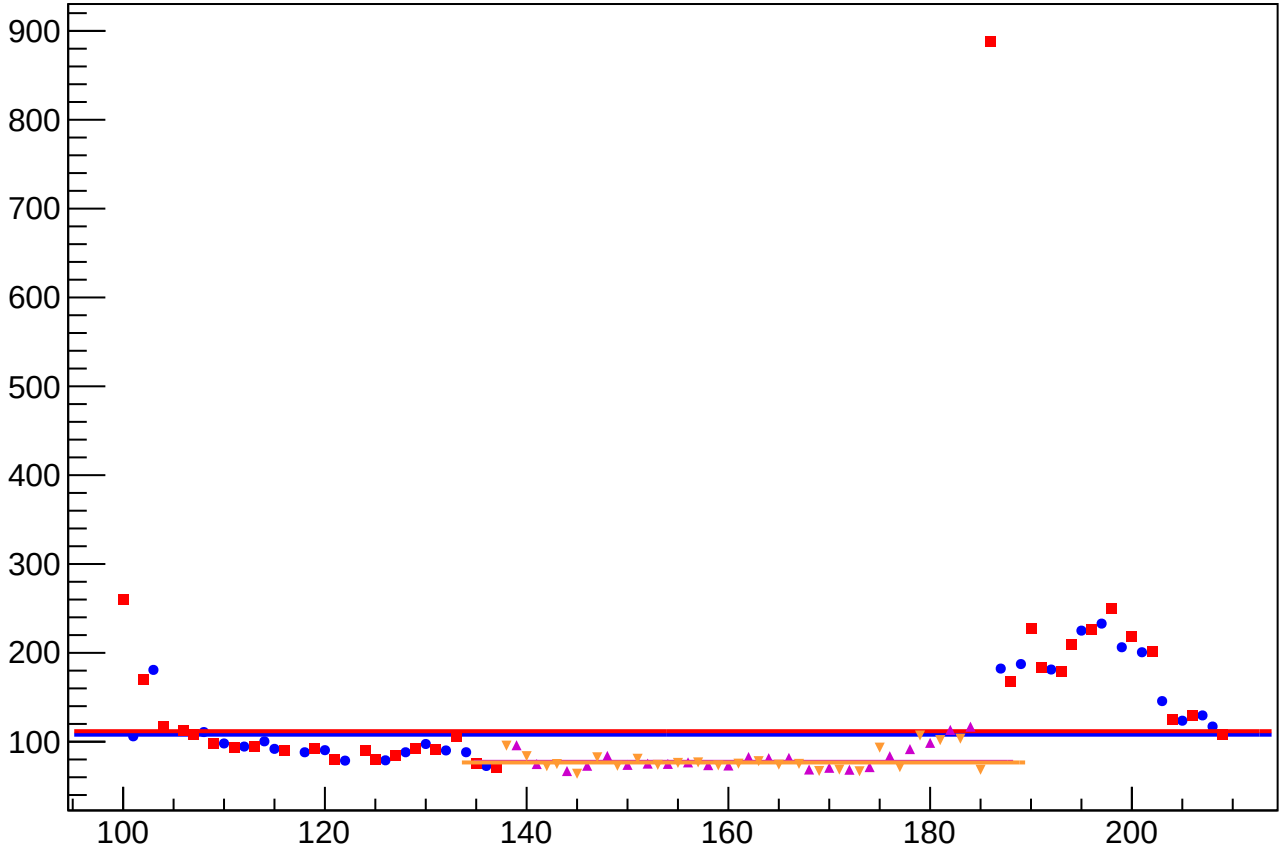
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.815+/-15.100 χ^2/NDF: 57.3/51

All: -13.299+/-10.825 χ^2/NDF: 153.9/106

- sign -53.597+/-15.526 χ^2/NDF: 83.5/54

reg_asym_sam_2468_avg_rms vs Slug



Right In: 107.902+/-0.021 χ^2/NDF: 3514009.6/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 111.839+/-0.021 χ^2/NDF: 4610626.4/31

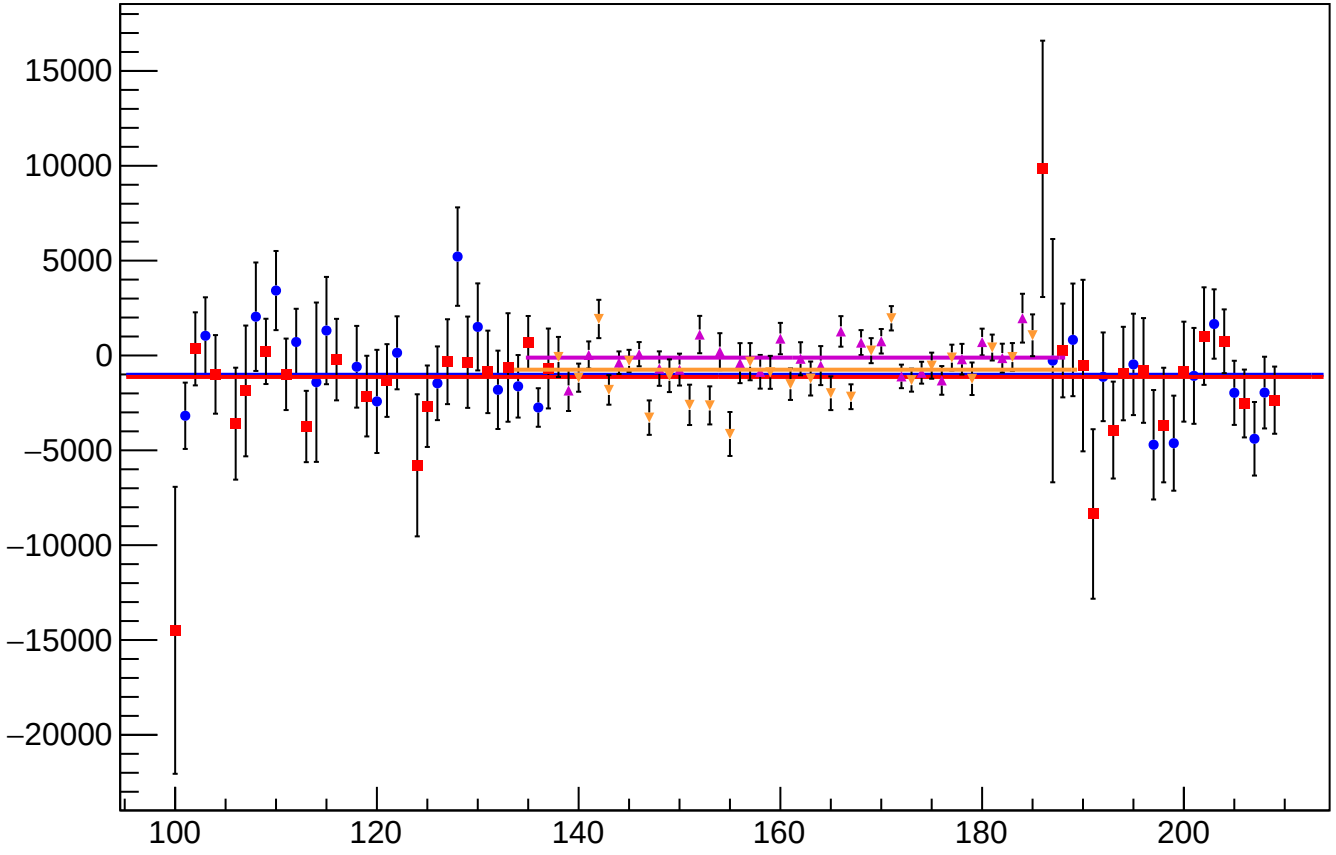
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.067+/-0.011 χ^2/NDF: 5855278.2/51

All: 86.035+/-0.008 χ^2/NDF: 13069349.4/106

- sign 87.057+/-0.011 χ^2/NDF: 7197185.2/54

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -1017.152+/-397.878 χ^2/NDF: 30.6/26

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1131.330+/-402.151 χ^2/NDF: 22.0/31

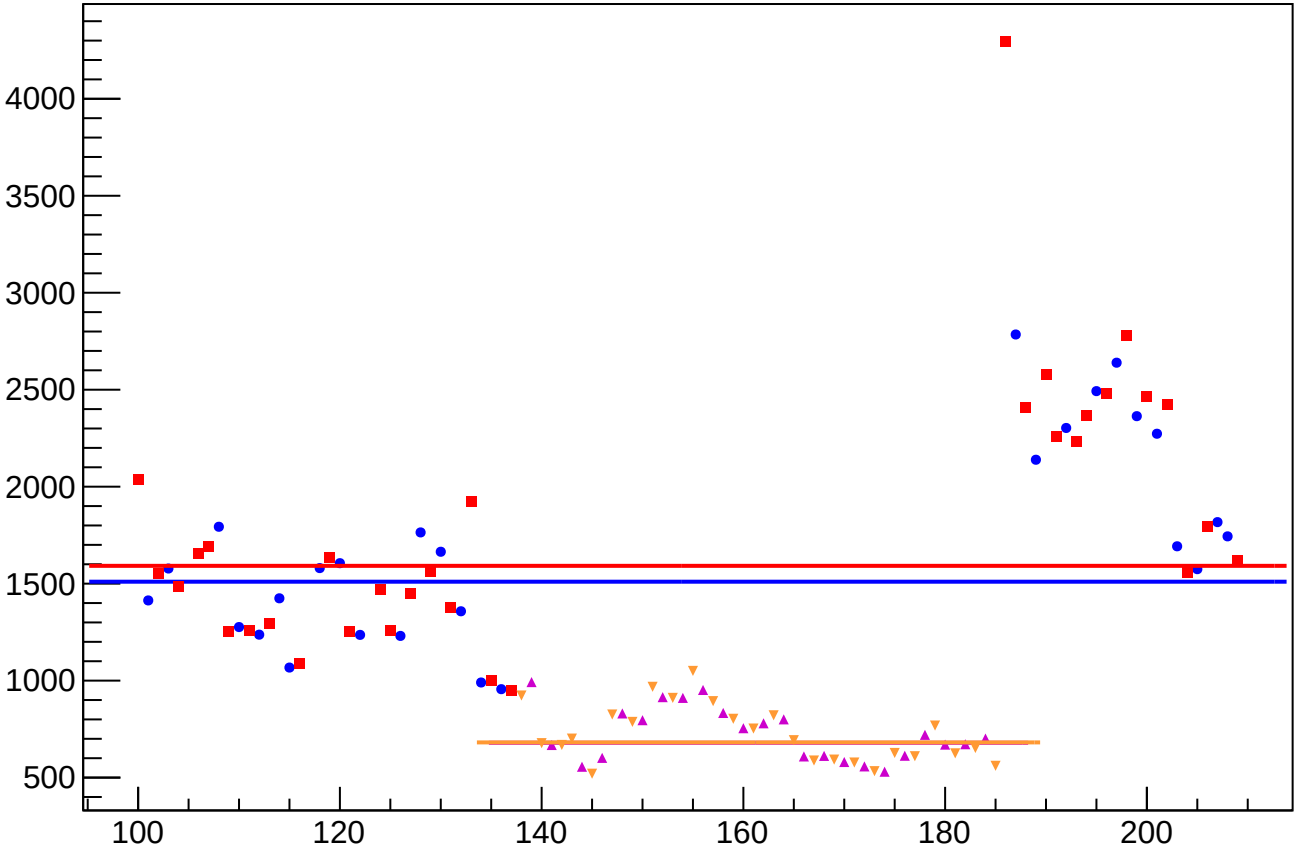
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -786.112+/-146.910 χ^2/NDF: 101.0/51

All: -526.565+/-104.995 χ^2/NDF: 160.0/106

- sign -255.577+/-150.114 χ^2/NDF: 52.6/54

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1510.058+/-0.281 χ^2/NDF: 2564458.0/26

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1591.849+/-0.284 χ^2/NDF: 2999658.7/31

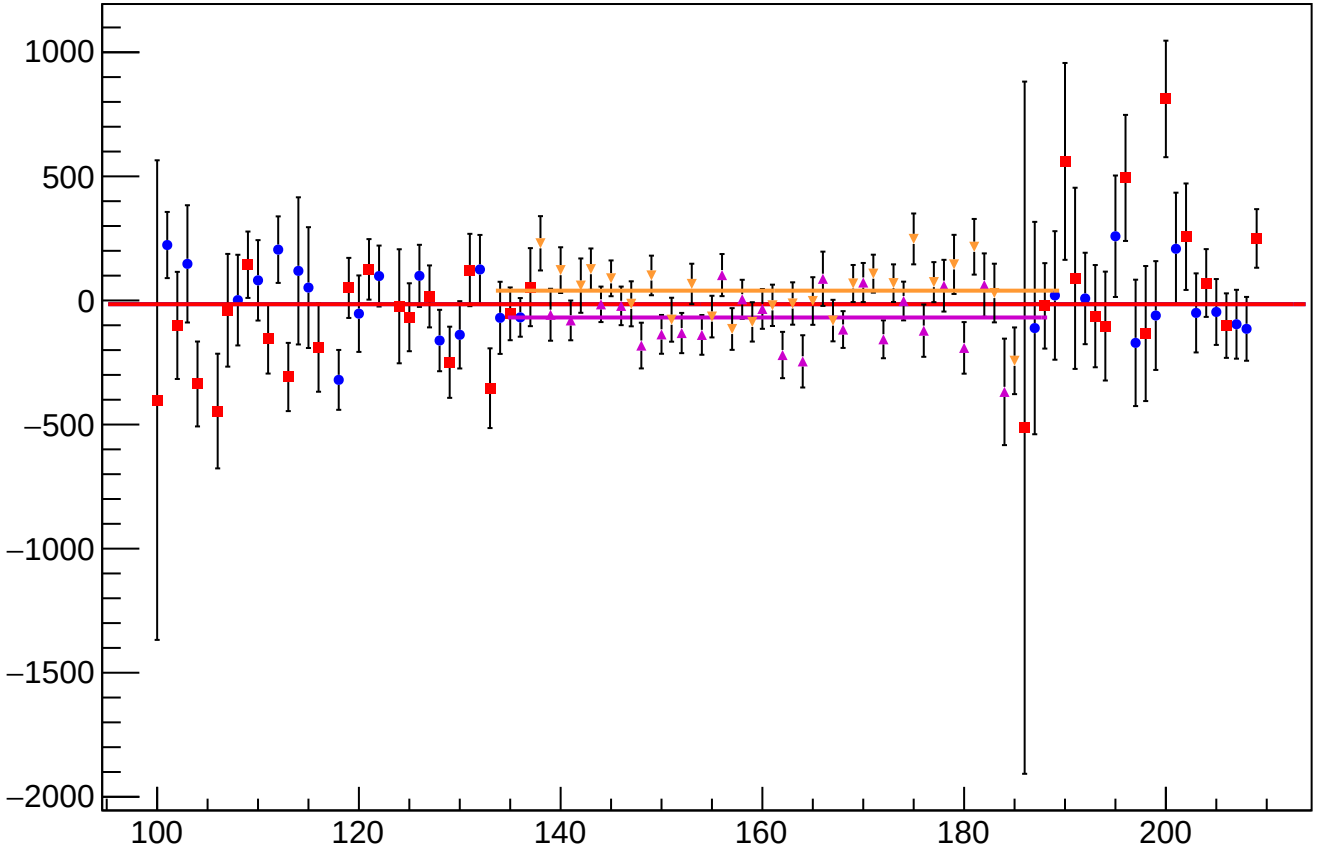
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 794.398+/-0.104 χ^2/NDF: 11390694.6/51

All: 800.342+/-0.074 χ^2/NDF: 24443468.5/10

- sign 806.548+/-0.106 χ^2/NDF: 13046081.0/54

cor_asym_sam_2468_avg_mean vs Slug



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -15.150+/-29.265 χ^2/NDF: 52.0/31

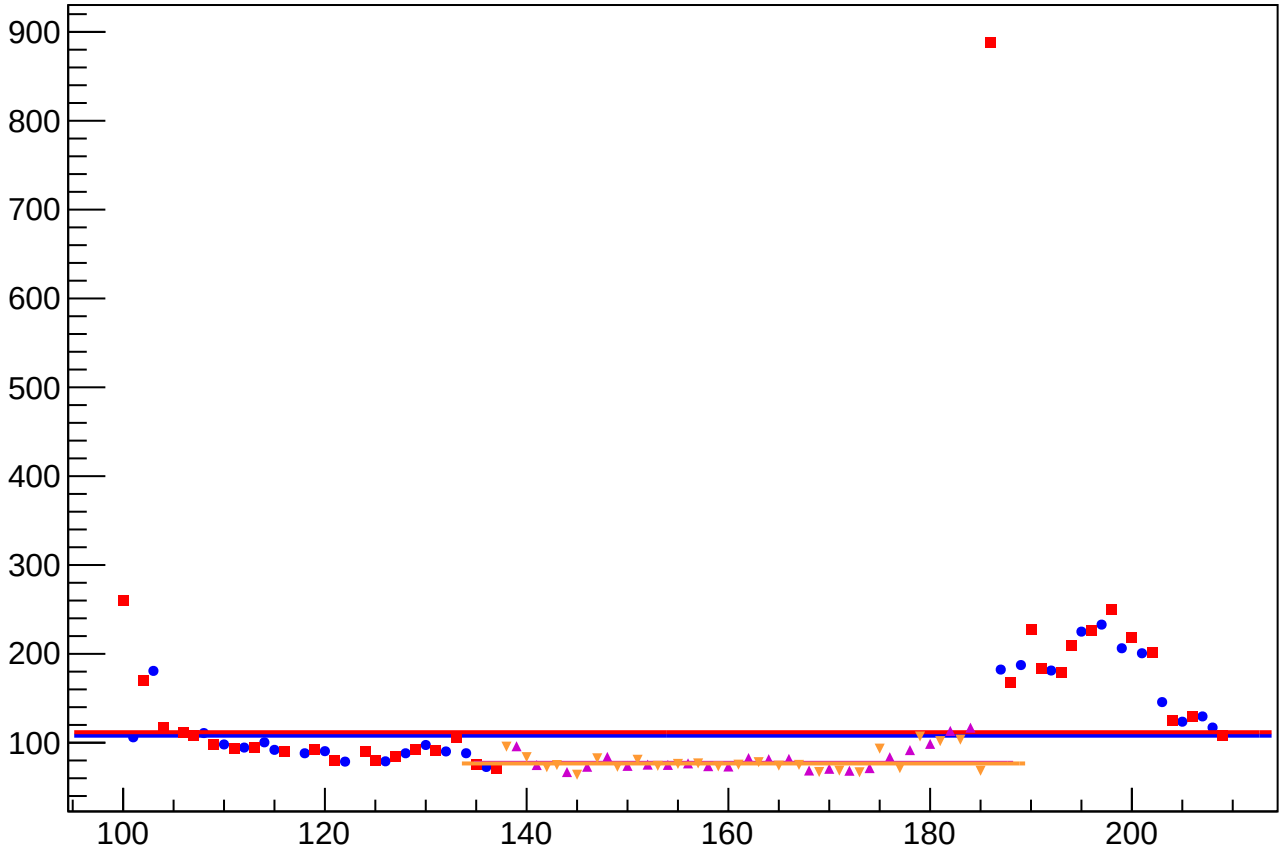
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.817+/-15.100 χ^2/NDF: 57.3/51

All: -13.284+/-10.825 χ^2/NDF: 153.8/106

- sign -53.569+/-15.527 χ^2/NDF: 83.4/54

cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.818+/-0.021 χ^2/NDF: 4610847.5/31

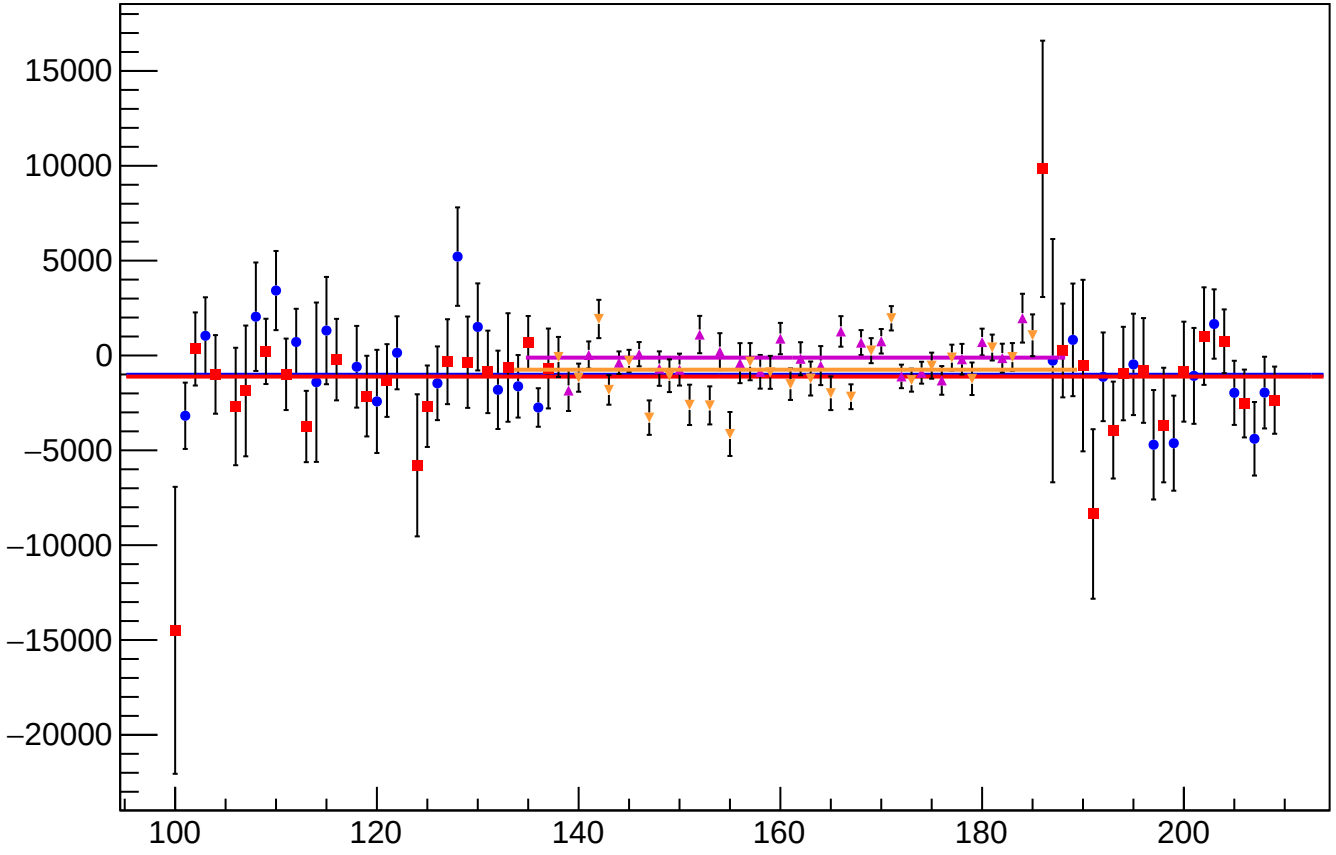
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.067+/-0.011 χ^2/NDF: 5855281.8/51

All: 86.031+/-0.008 χ^2/NDF: 13066941.8/106

- sign 87.051+/-0.011 χ^2/NDF: 7194882.8/54

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1112.205+/-402.505 χ^2/NDF: 21.6/31

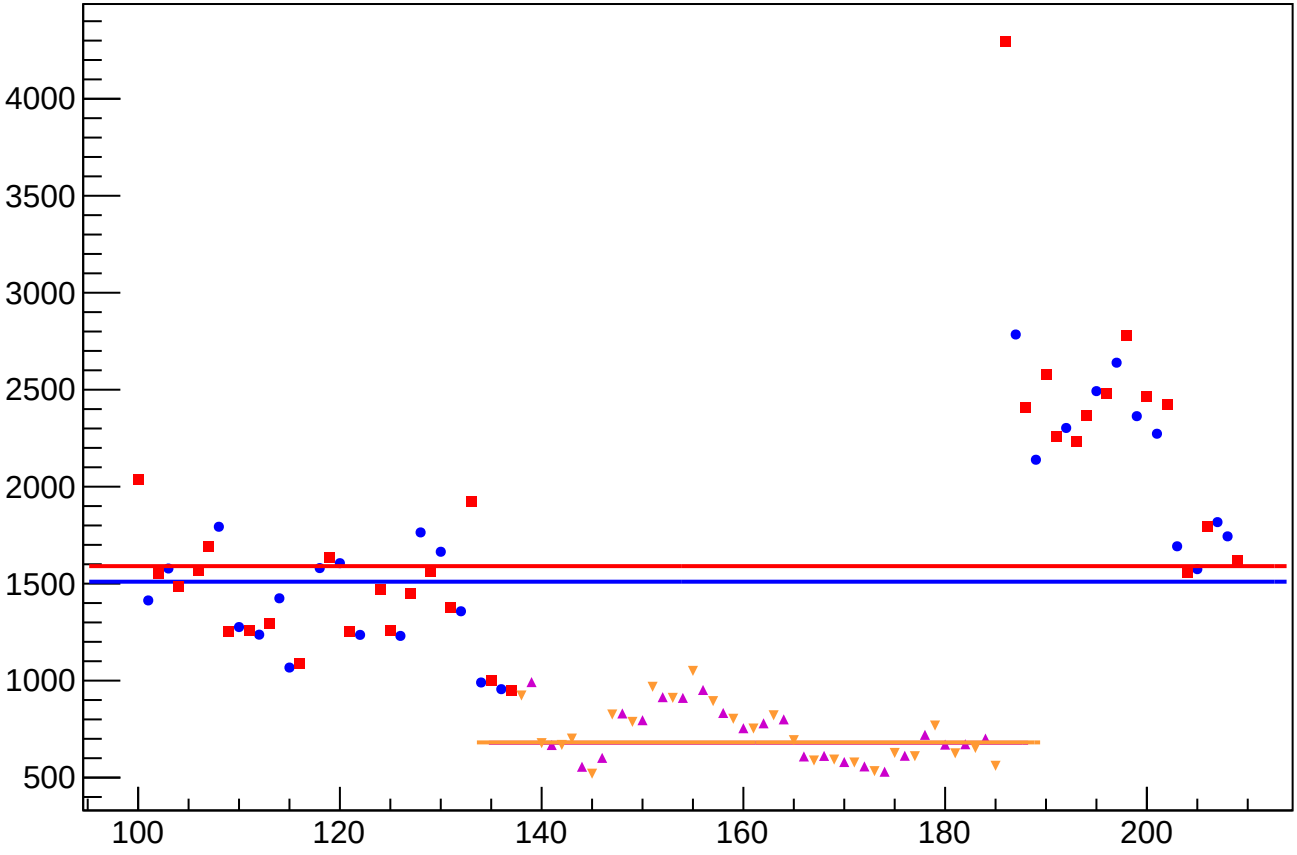
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -786.101+/-146.910 χ^2/NDF: 101.0/51

All: -525.186+/-105.002 χ^2/NDF: 159.4/106

- sign -252.702+/-150.132 χ^2/NDF: 51.9/54

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1590.327+/-0.285 χ^2/NDF: 2998778.4/31

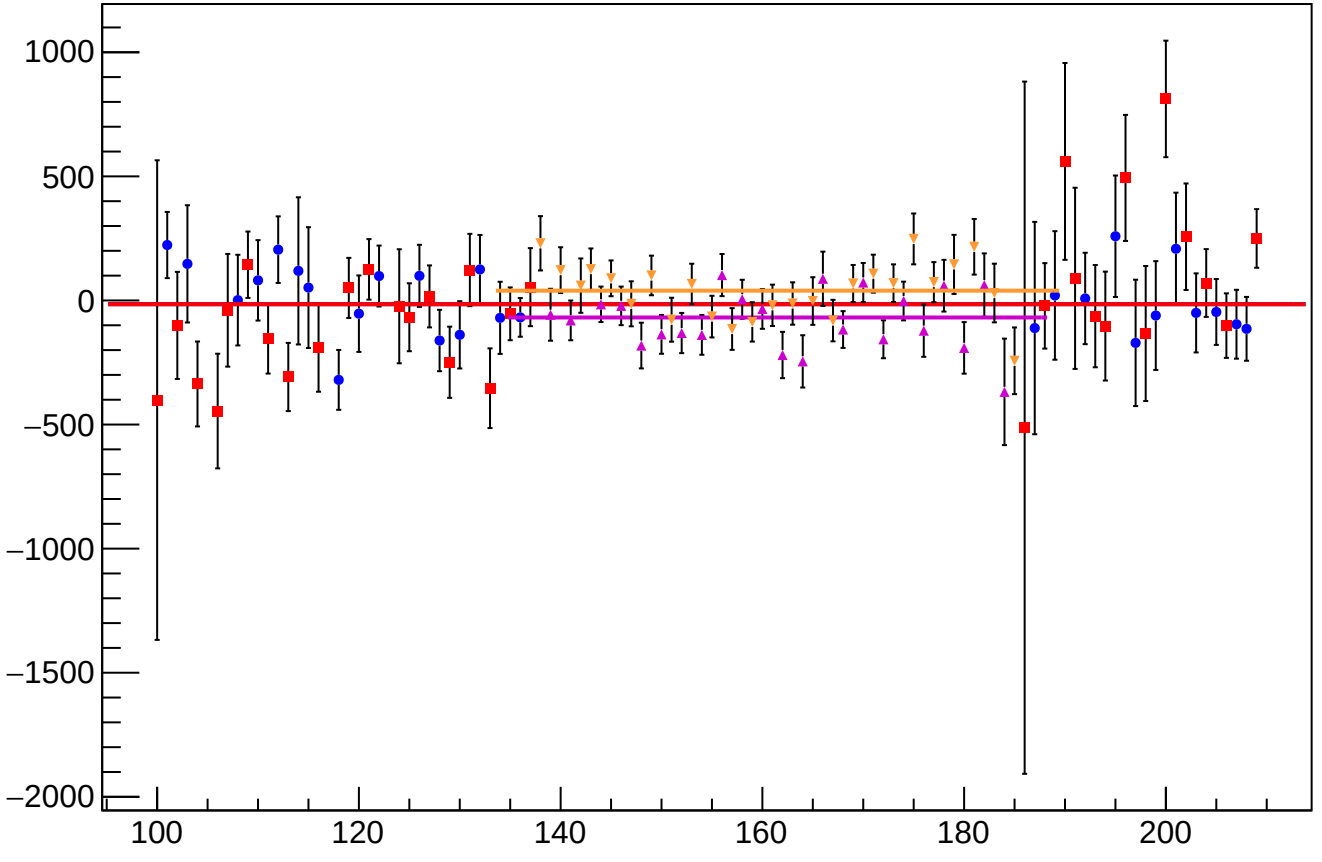
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 794.397+/-0.104 χ^2/NDF: 11390740.4/51

All: 800.143+/-0.074 χ^2/NDF: 24399266.0/10

- sign 806.144+/-0.106 χ^2/NDF: 13002271.1/54

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -15.150+/-29.265 χ^2/NDF: 52.0/31

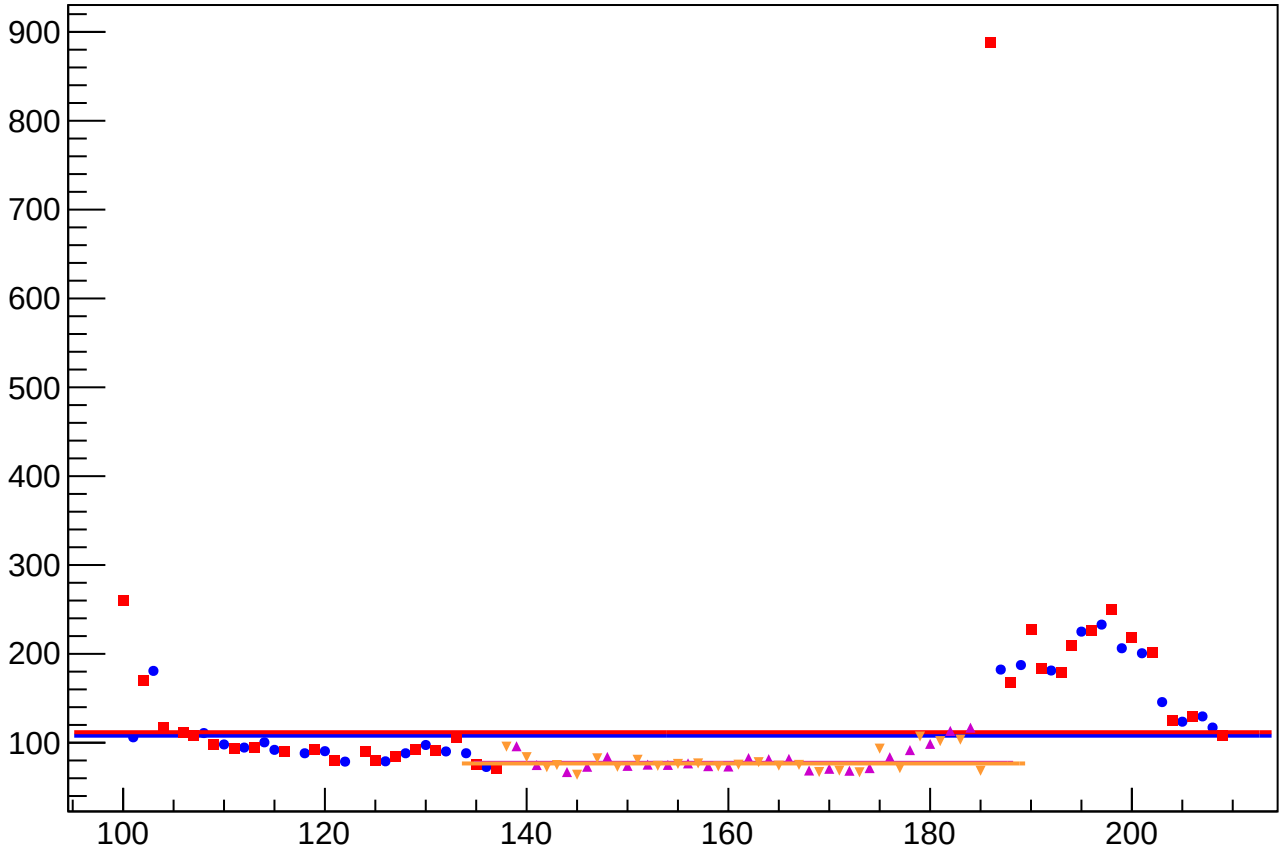
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.817+/-15.100 χ^2/NDF: 57.3/51

All: -13.284+/-10.825 χ^2/NDF: 153.8/106

- sign -53.569+/-15.527 χ^2/NDF: 83.4/54

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

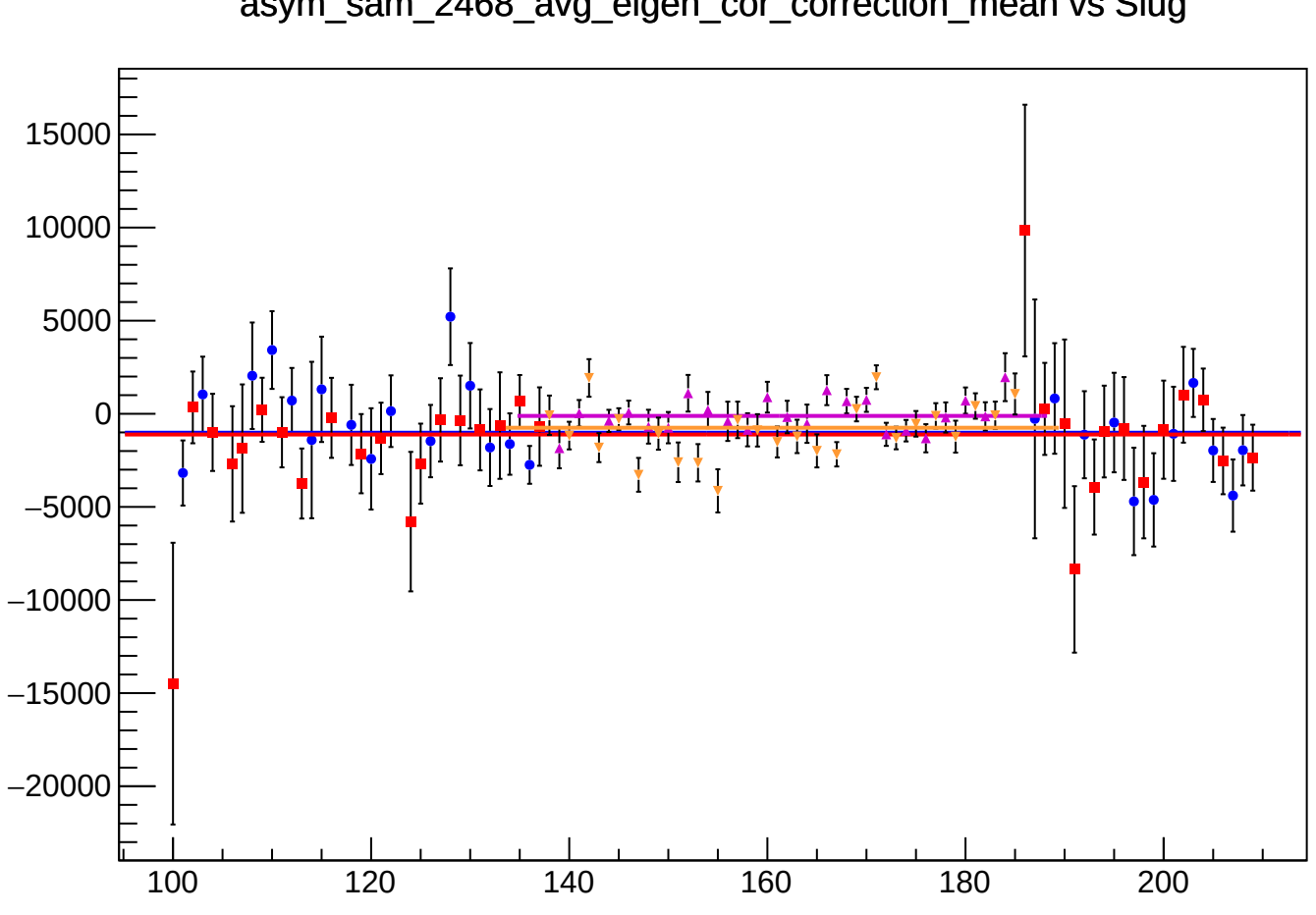
Right Out: 111.818+/-0.021 χ^2/NDF: 4610847.5/31

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 85.067+/-0.011 χ^2/NDF: 5855281.8/51

All: 86.031+/-0.008 χ^2/NDF: 13066941.8/106

- sign 87.051+/-0.011 χ^2/NDF: 7194882.8/54



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

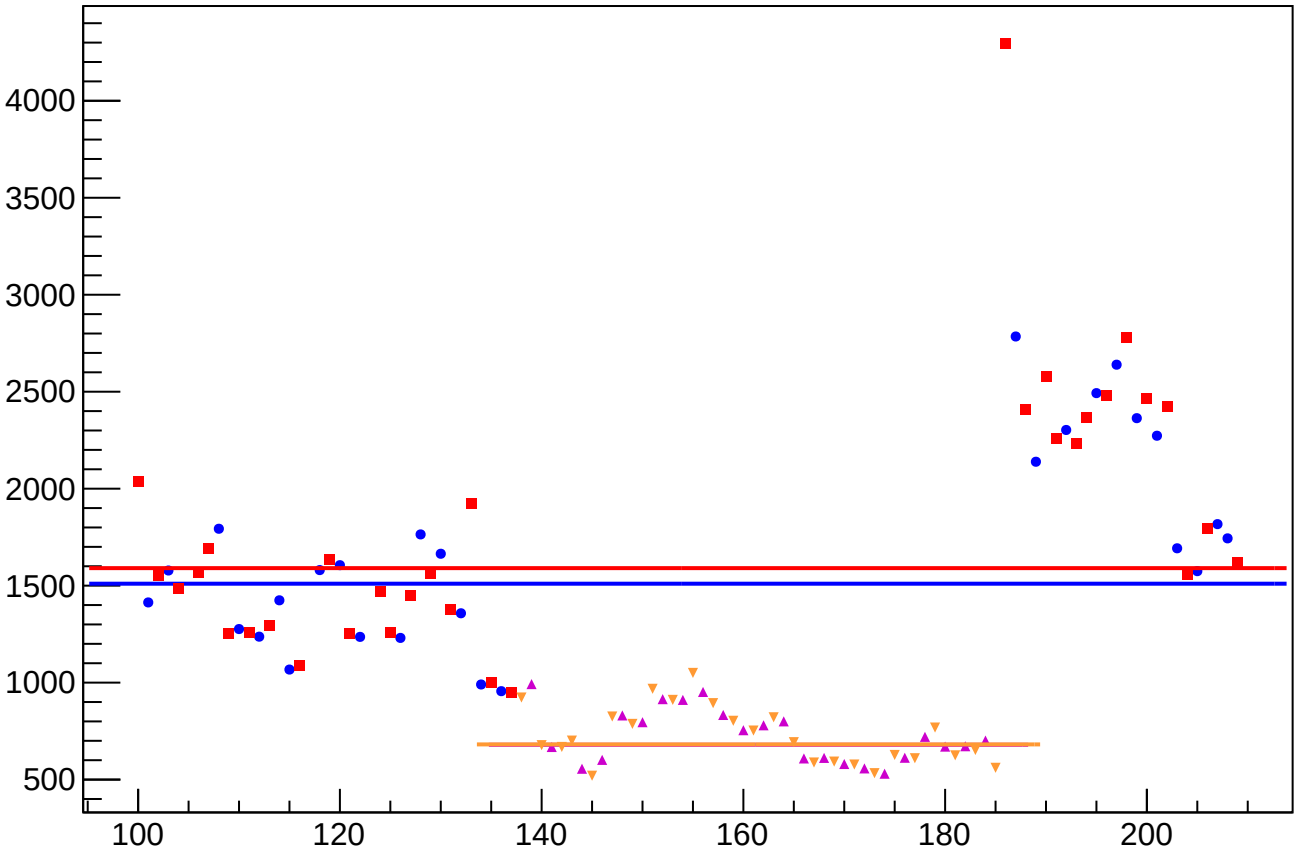
Right Out: -1112.205+/-402.505 χ^2/NDF: 21.6/31

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -786.101+/-146.910 χ^2/NDF: 101.0/51

All: -525.186+/-105.002 χ^2/NDF: 159.4/106

- sign -252.702+/-150.132 χ^2/NDF: 51.9/54



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1590.327+/-0.285 χ^2/NDF: 2998778.4/31

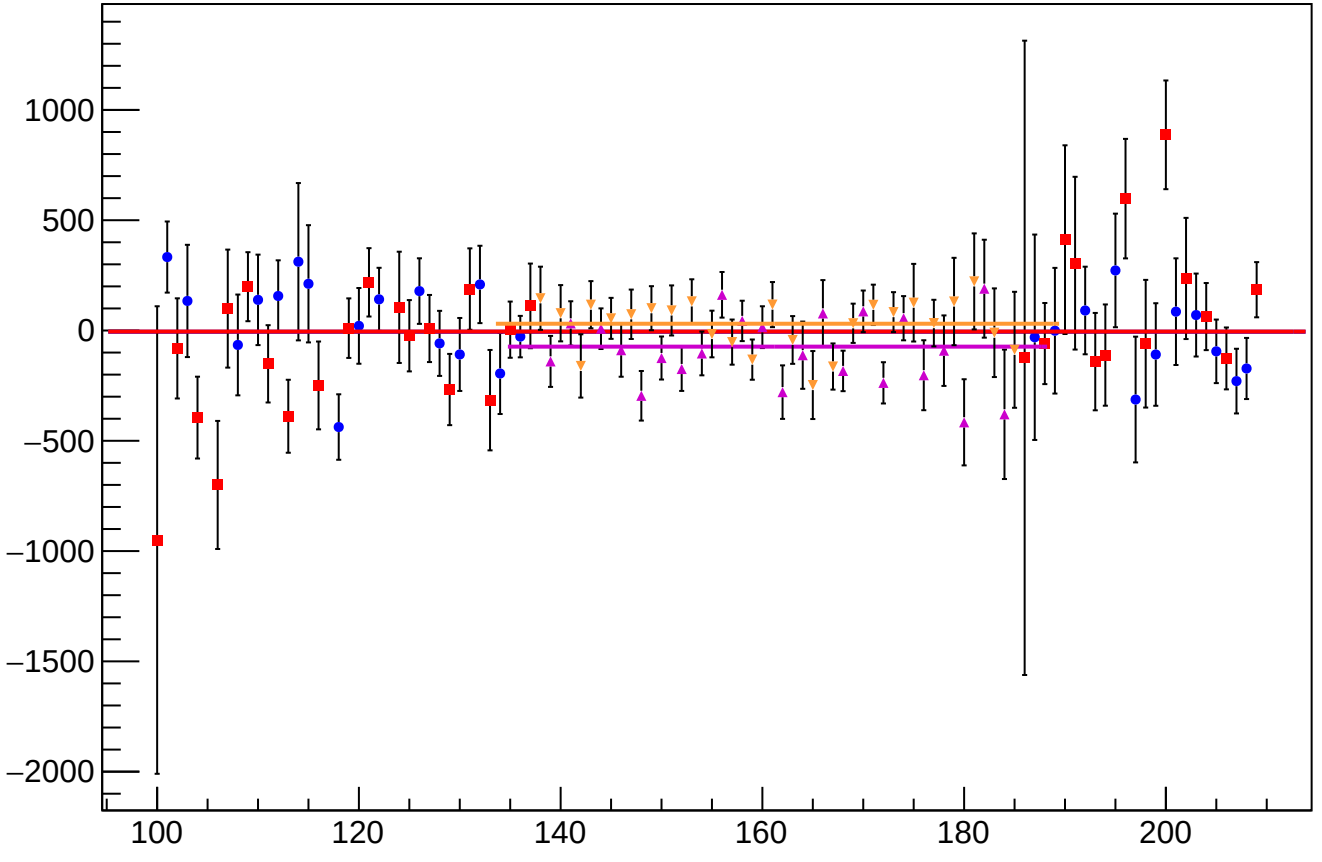
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 794.397+/-0.104 χ^2/NDF: 11390740.4/51

All: 800.143+/-0.074 χ^2/NDF: 24399266.0/10

- sign 806.144+/-0.106 χ^2/NDF: 13002271.1/54

dit_asym_sam_2468_avg_mean vs Slug



Right In: -5.641+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -4.759+/-33.814 χ^2/NDF: 53.1/31

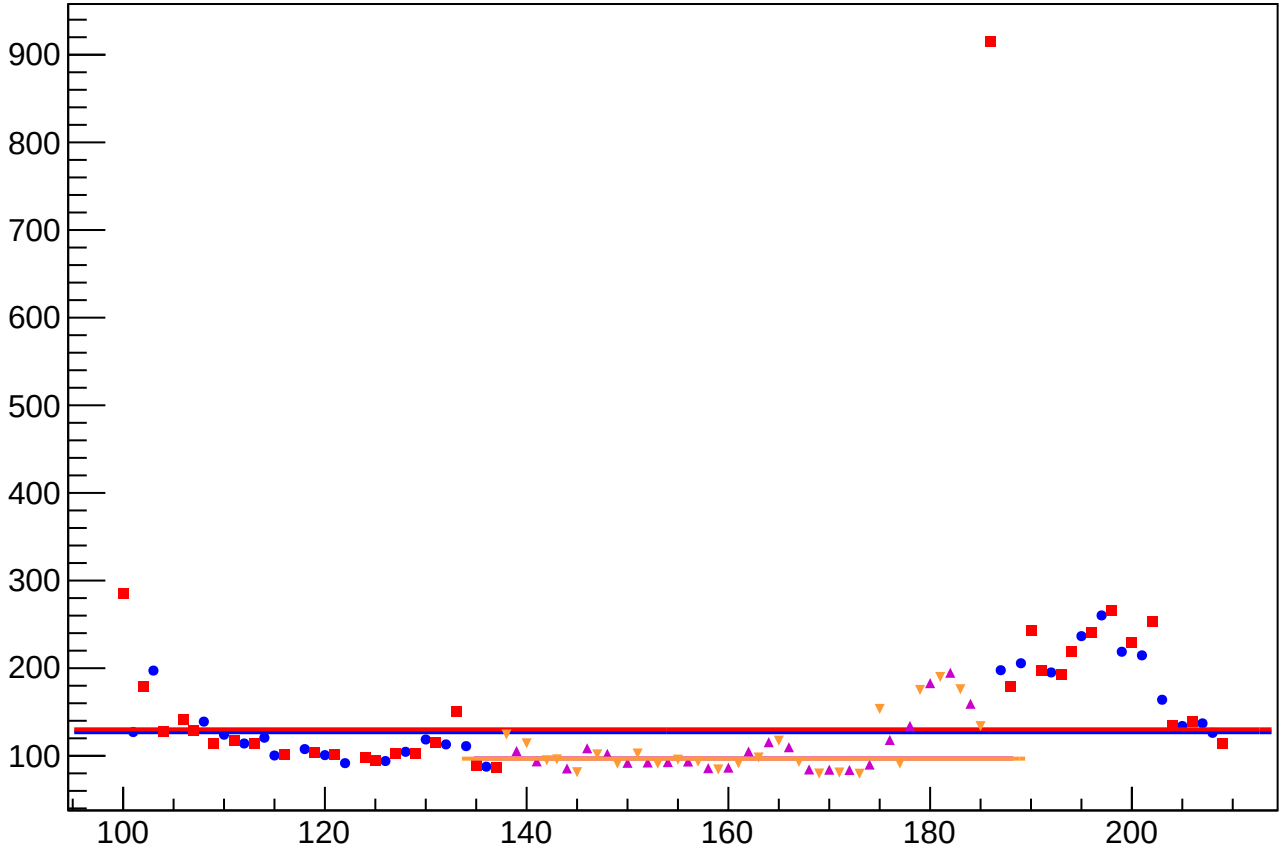
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 19.344+/-18.955 χ^2/NDF: 49.9/51

All: -15.120+/-13.525 χ^2/NDF: 147.0/106

- sign -50.861+/-19.303 χ^2/NDF: 90.4/54

dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.950+/-0.024 χ^2/NDF: 2821920.4/26

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

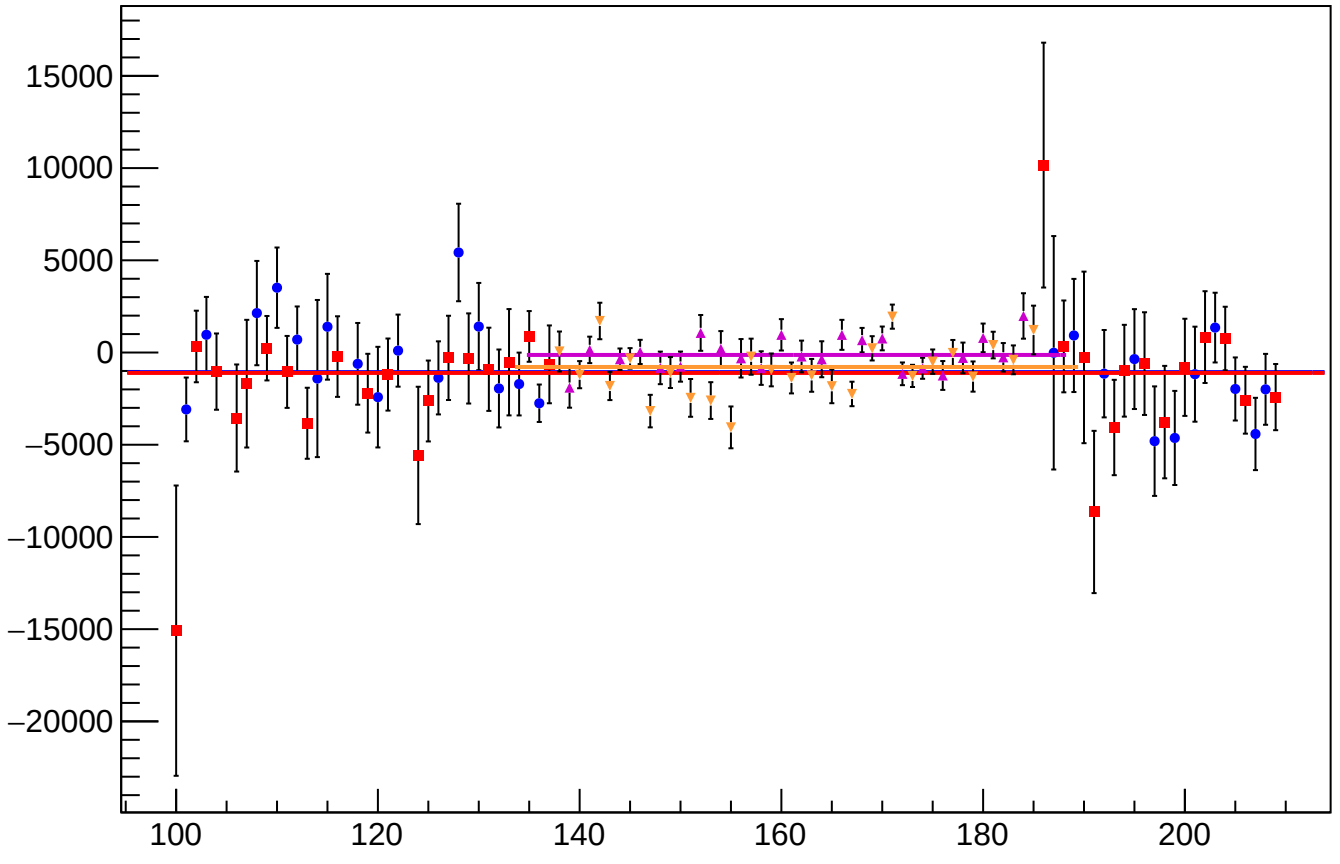
Right Out: 130.247+/-0.024 χ^2/NDF: 3910065.6/31

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 106.209+/-0.013 χ^2/NDF: 5629235.9/51

All: 107.012+/-0.010 χ^2/NDF: 12169883.7/10

- sign 107.846+/-0.014 χ^2/NDF: 6533325.9/54



Right In: -1062.016+/-404.015 χ^2/NDF: 29.8/26

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

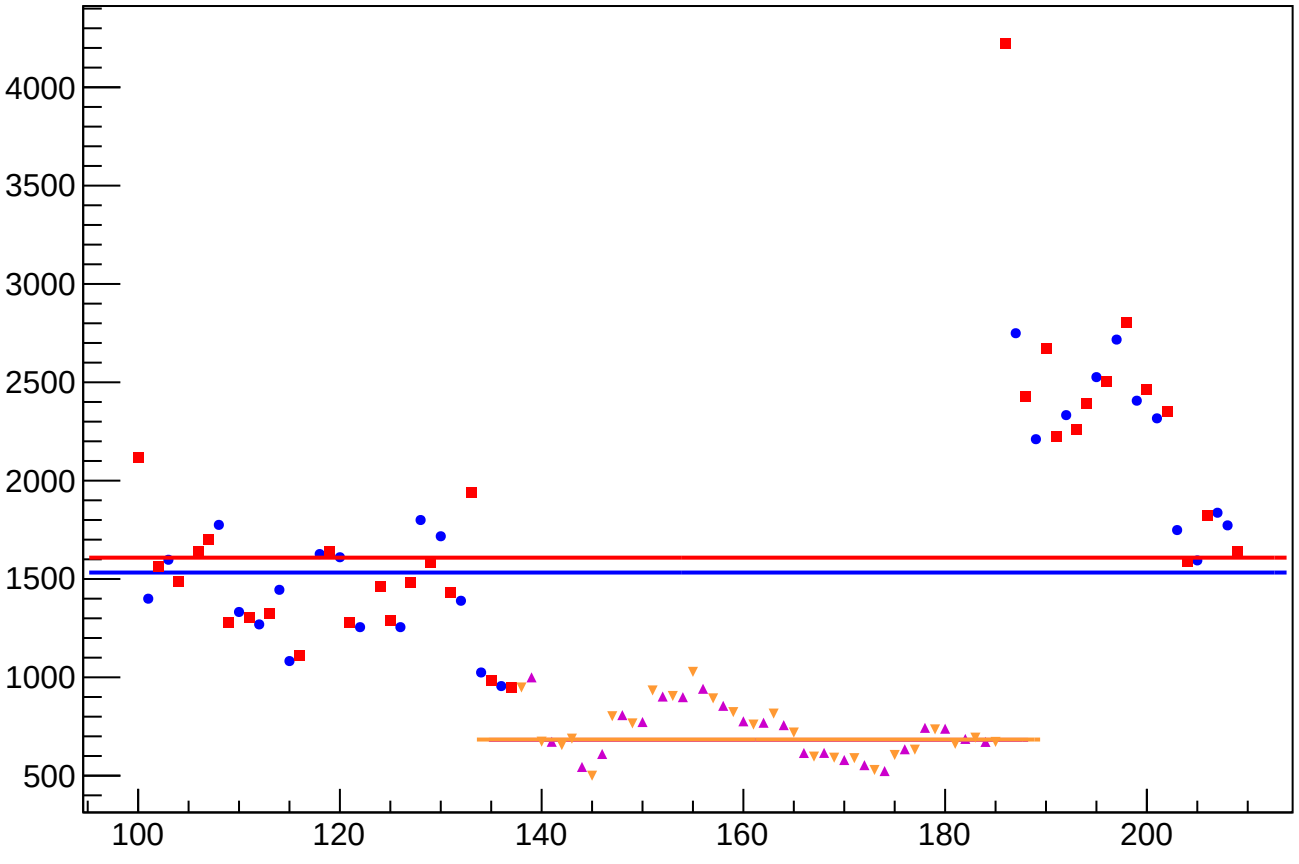
Right Out: -1106.347+/-406.037 χ^2/NDF: 23.1/31

Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -820.801+/-147.413 χ^2/NDF: 96.5/51

All: -549.616+/-105.412 χ^2/NDF: 155.7/106

- sign -265.851+/-150.794 χ^2/NDF: 52.3/54



Right In: 1532.773+/-0.286 χ^2/NDF: 2605660.5/26

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1608.475+/-0.287 χ^2/NDF: 2971727.9/31

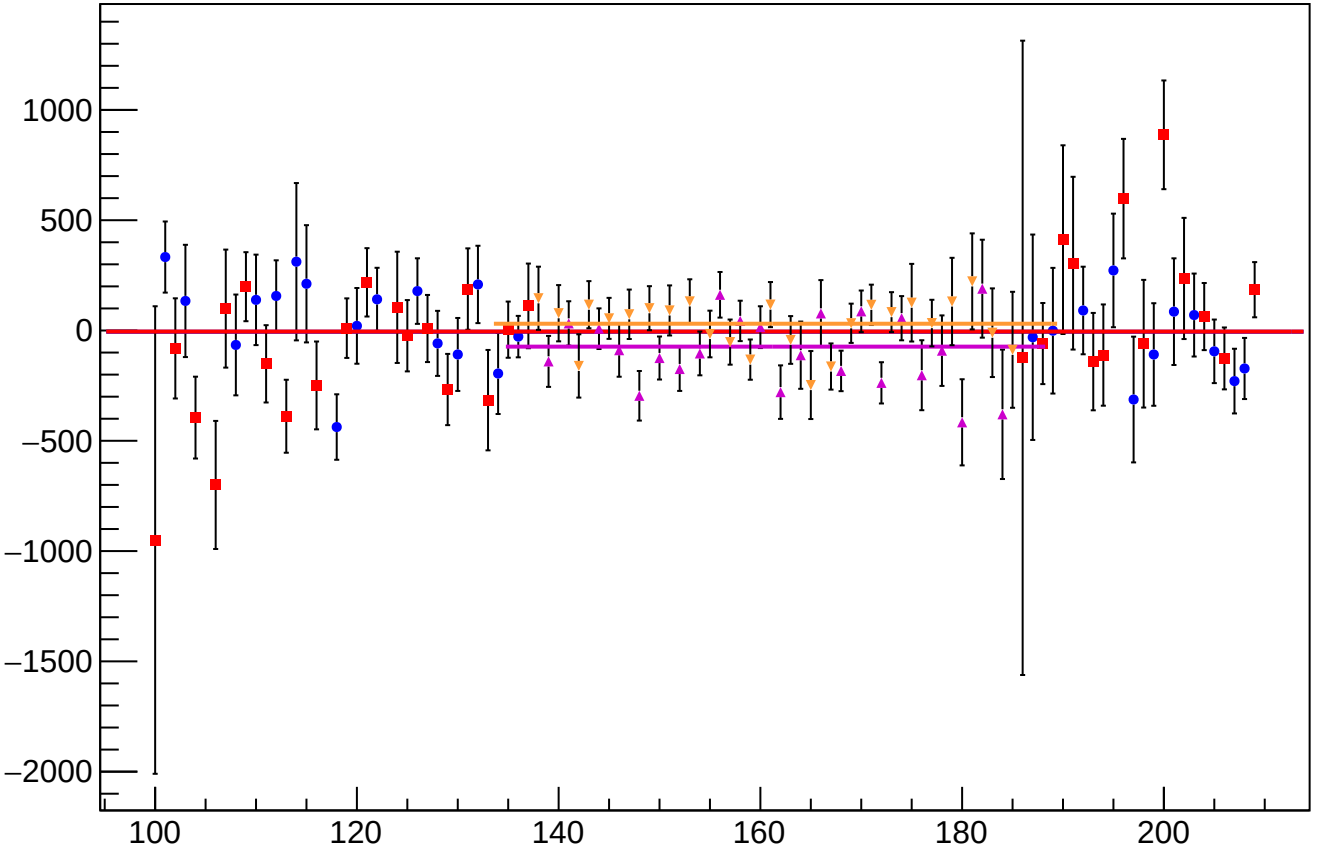
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 796.736+/-0.104 χ^2/NDF: 11561016.4/51

All: 803.095+/-0.075 χ^2/NDF: 24703851.9/10

- sign 809.749+/-0.107 χ^2/NDF: 13135218.9/54

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -5.639+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -4.757+/-33.814 χ^2/NDF: 53.1/31

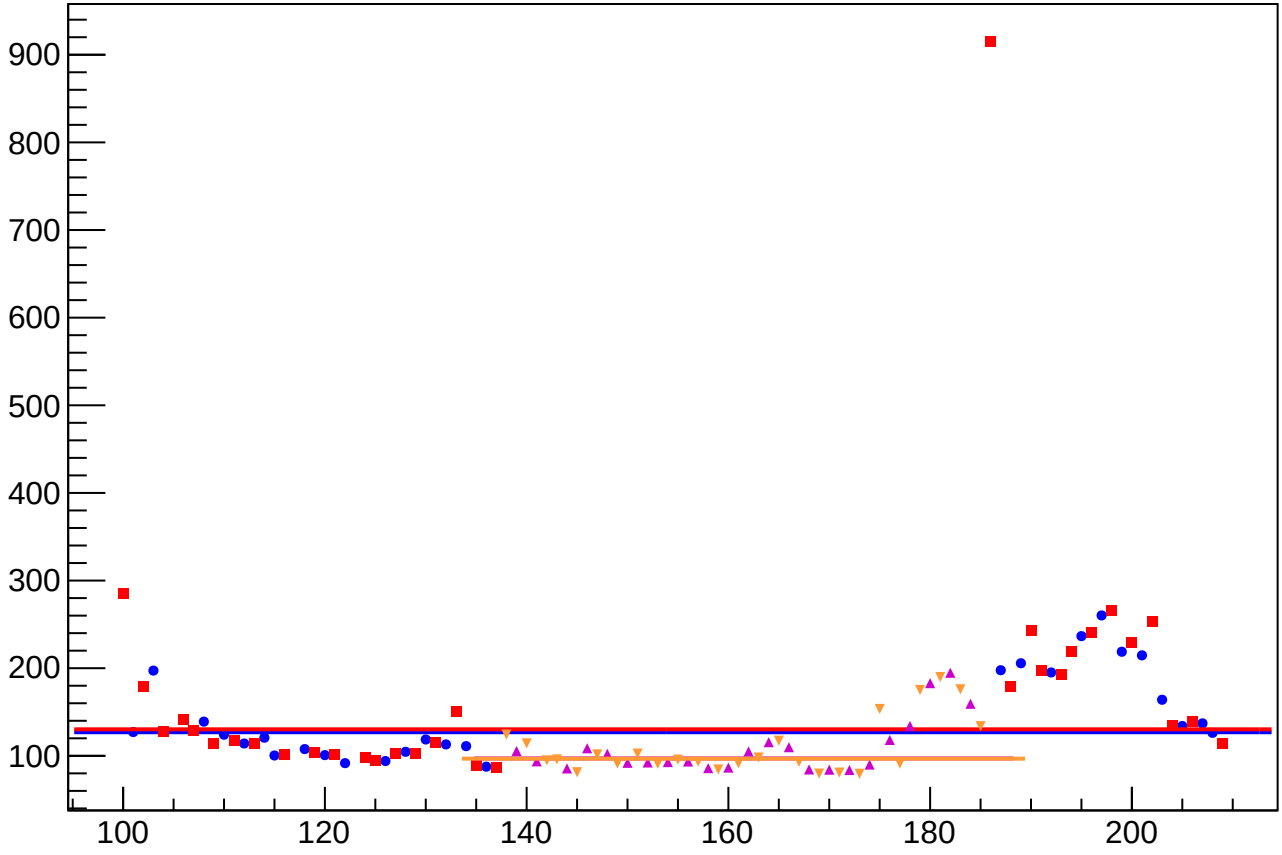
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 19.344+/-18.955 χ^2/NDF: 49.9/51

All: -15.119+/-13.525 χ^2/NDF: 147.0/106

- sign -50.860+/-19.303 χ^2/NDF: 90.4/54

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.949+/-0.024 χ^2/NDF: 2821939.0/26

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

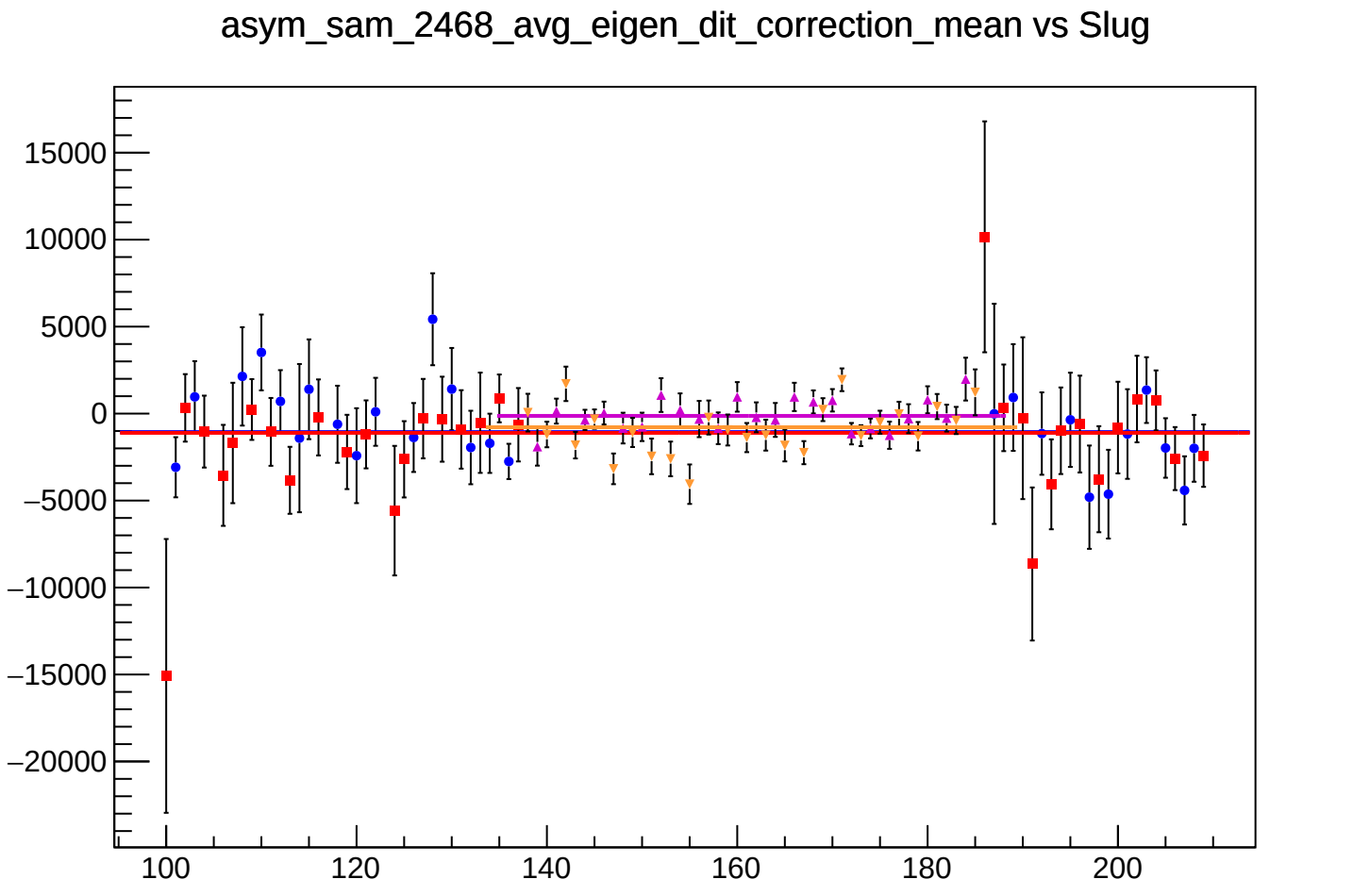
Right Out: 130.246+/-0.024 χ^2/NDF: 3910097.3/31

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 106.209+/-0.013 χ^2/NDF: 5629189.8/51

All: 107.012+/-0.010 χ^2/NDF: 12169791.8/10

- sign 107.846+/-0.014 χ^2/NDF: 6533279.7/54



Right In: -1062.010+/-404.014 χ^2/NDF: 29.8/26

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

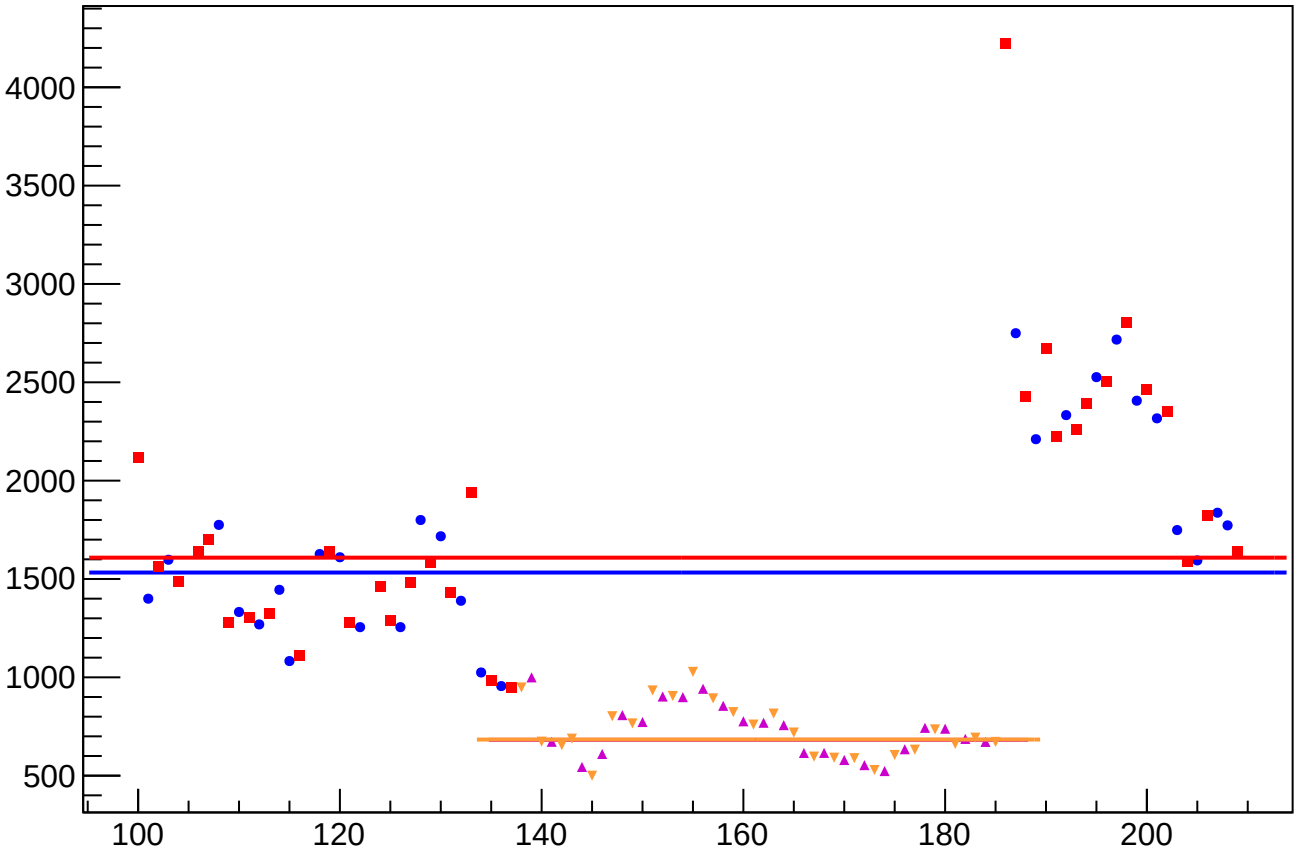
Right Out: -1106.345+/-406.036 χ^2/NDF: 23.1/31

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -820.798+/-147.413 χ^2/NDF: 96.5/51

All: -549.615+/-105.412 χ^2/NDF: 155.7/106

- sign -265.850+/-150.794 χ^2/NDF: 52.3/54



Right In: 1532.770+/-0.286 χ^2/NDF: 2605668.3/26

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1608.472+/-0.287 χ^2/NDF: 2971738.5/31

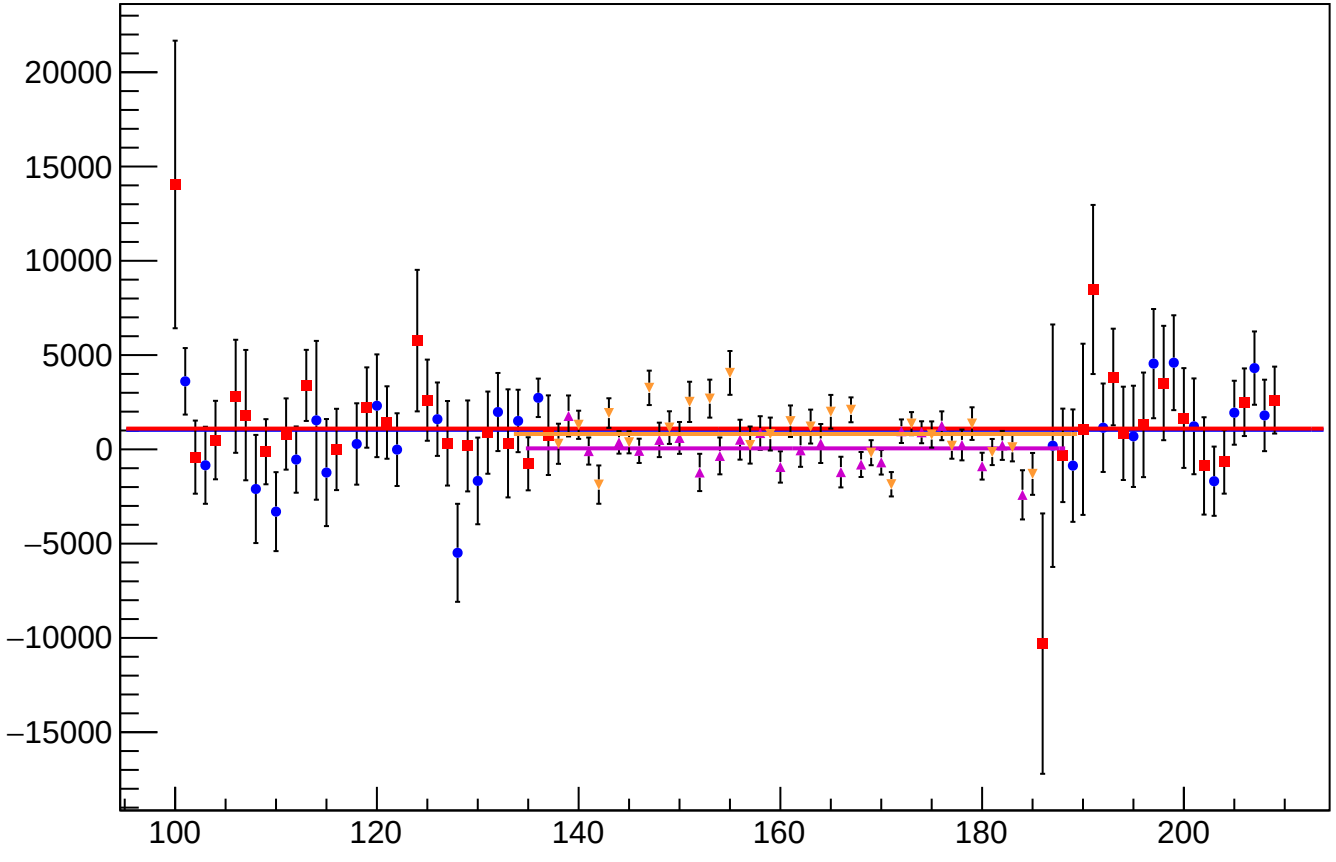
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 796.734+/-0.104 χ^2/NDF: 11561034.4/51

All: 803.093+/-0.075 χ^2/NDF: 24703885.8/10

- sign 809.747+/-0.107 χ^2/NDF: 13135234.8/54

asym_sam_2468_avg_mean vs Slug



Right In: 1035.510+/-399.305 χ^2/NDF: 30.8/26

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1100.554+/-403.549 χ^2/NDF: 21.3/31

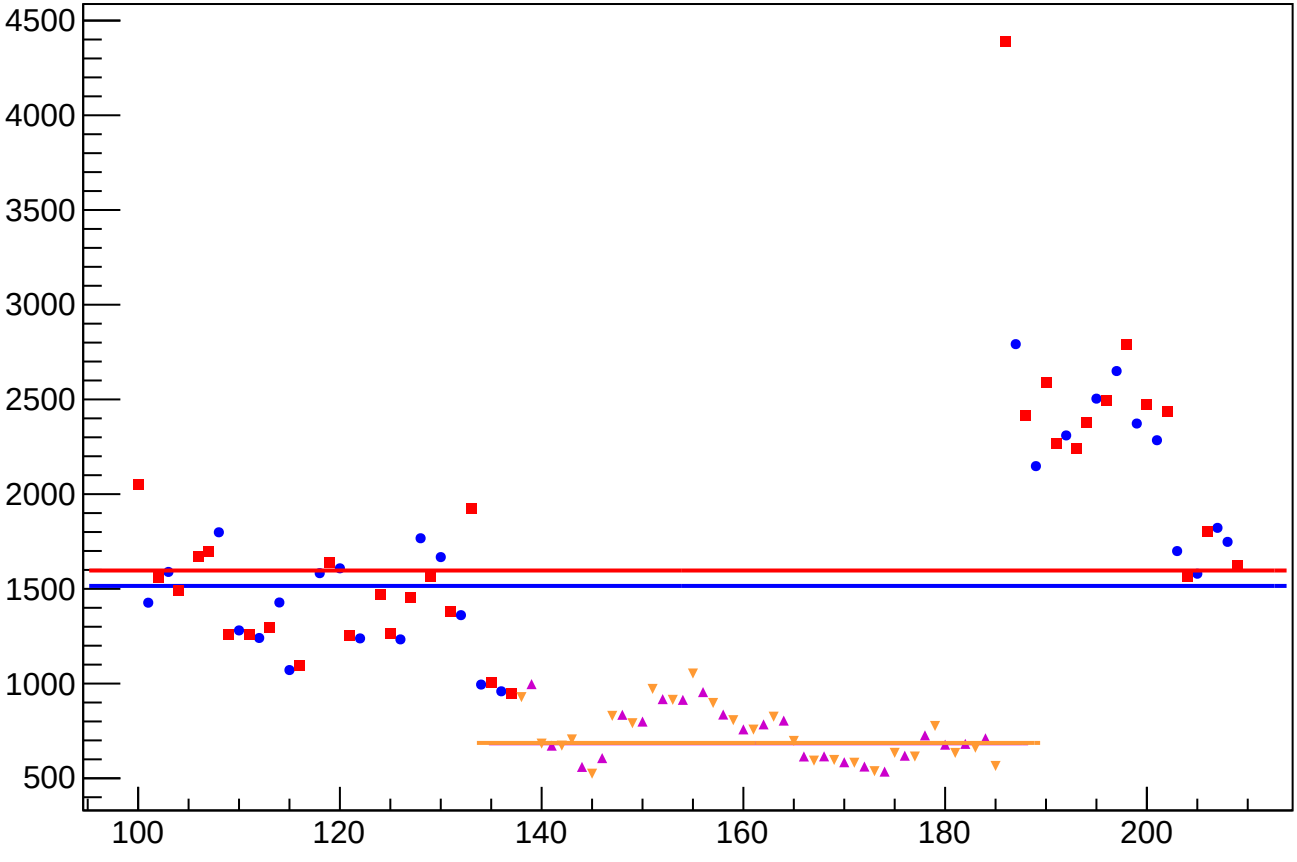
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 844.457+/-147.925 χ^2/NDF: 96.8/51

All: 528.906+/-105.726 χ^2/NDF: 158.6/106

- sign 199.380+/-151.165 χ^2/NDF: 52.5/54

asym_sam_2468_avg_rms vs Slug



Right In: 1515.476+/-0.282 χ^2/NDF: 2565547.5/26

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

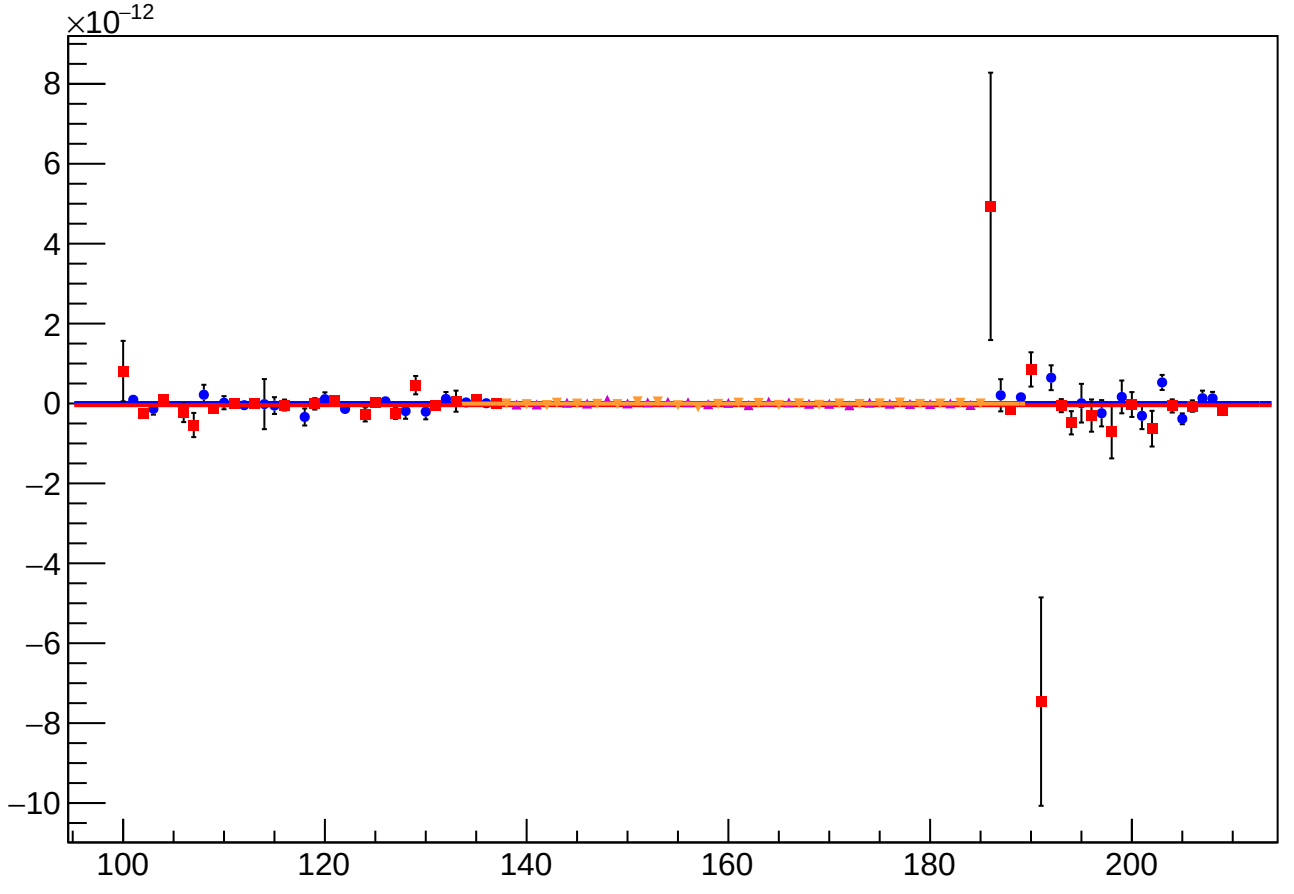
Right Out: 1596.853+/-0.285 χ^2/NDF: 3012002.4/31

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 800.439+/-0.105 χ^2/NDF: 11311155.5/51

All: 806.459+/-0.075 χ^2/NDF: 24278297.3/10

- sign 812.746+/-0.107 χ^2/NDF: 12960370.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 35.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

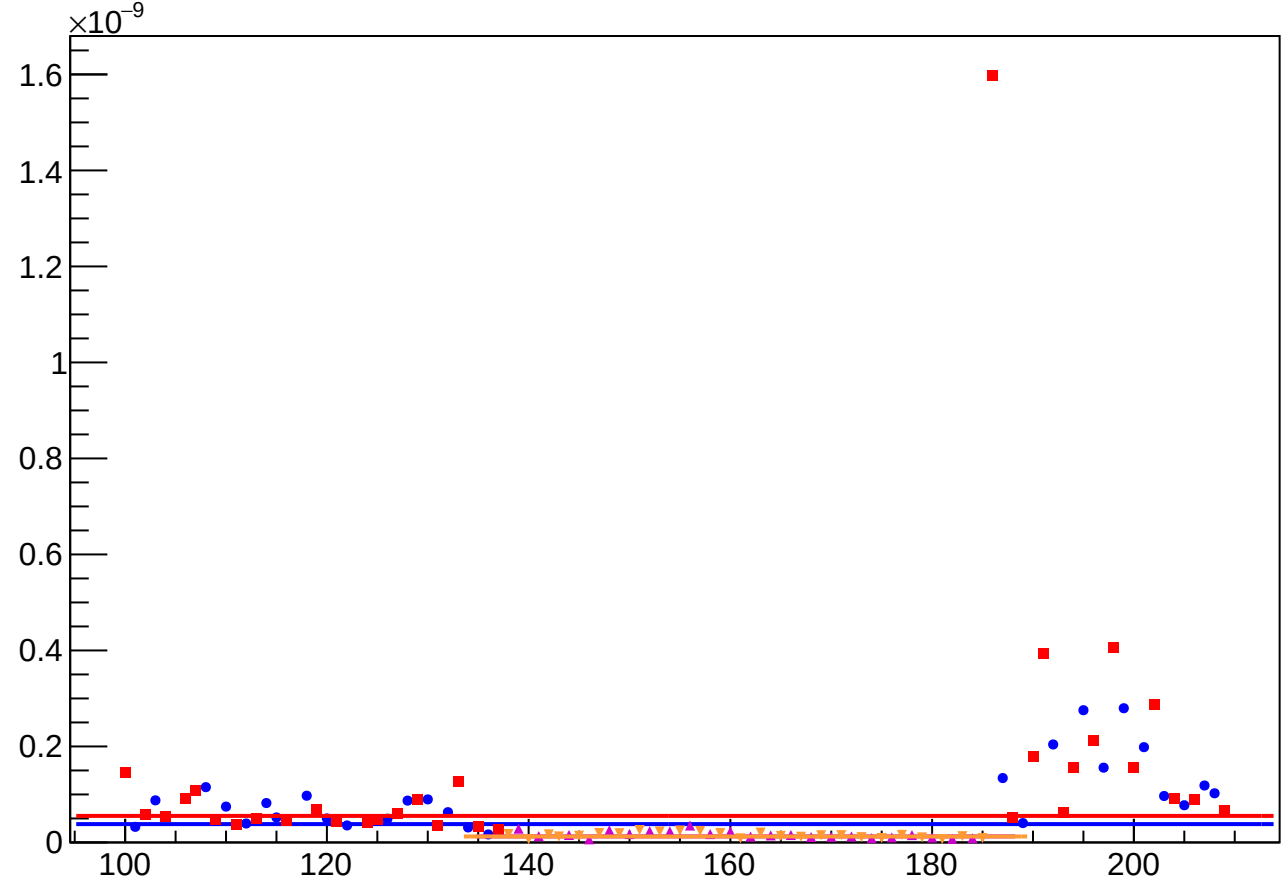
Right Out: -0.000+/-0.000 χ^2/NDF: 47.9/31

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/51

All: -0.000+/-0.000 χ^2/NDF: 124.1/106

- sign -0.000+/-0.000 χ^2/NDF: 71.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 5750021.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

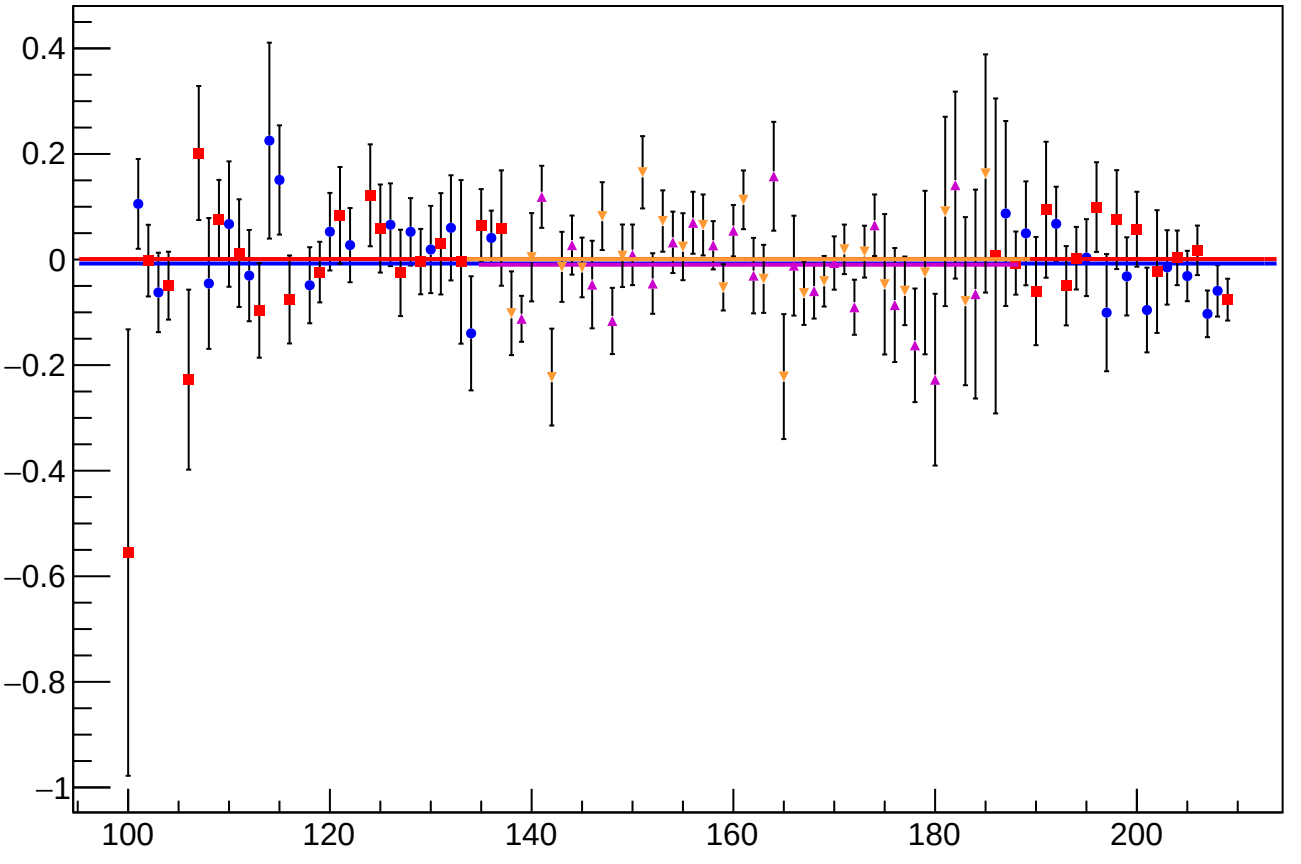
Right Out: 0.000+/-0.000 χ^2/NDF: 3584191.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10484800.7/51

All: 0.000+/-0.000 χ^2/NDF: 21553721.5/106

- sign 0.000+/-0.000 χ^2/NDF: 11061043.9/54



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.001+/-0.013 χ^2/NDF: 22.0/31

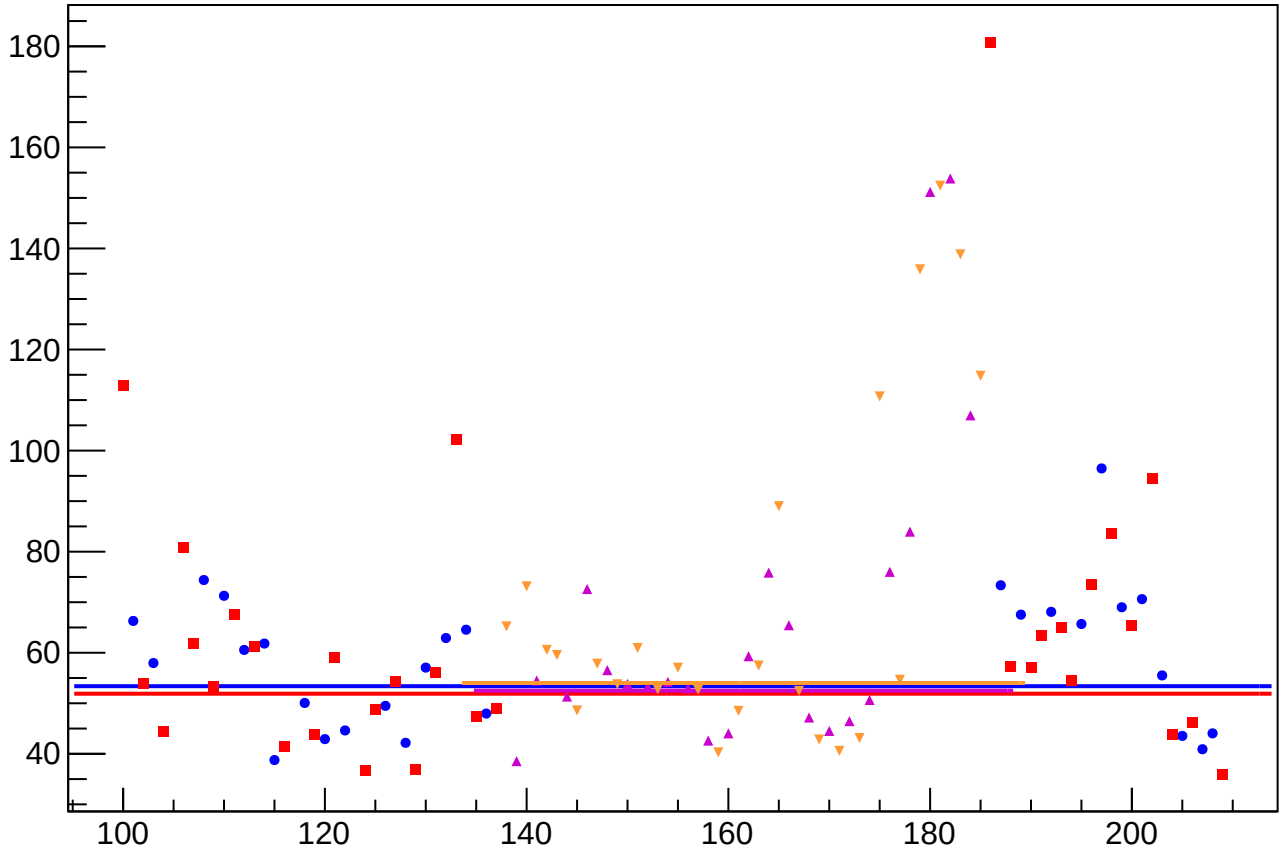
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.004+/-0.007 χ^2/NDF: 108.7/106

- sign -0.005+/-0.009 χ^2/NDF: 54.2/54

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

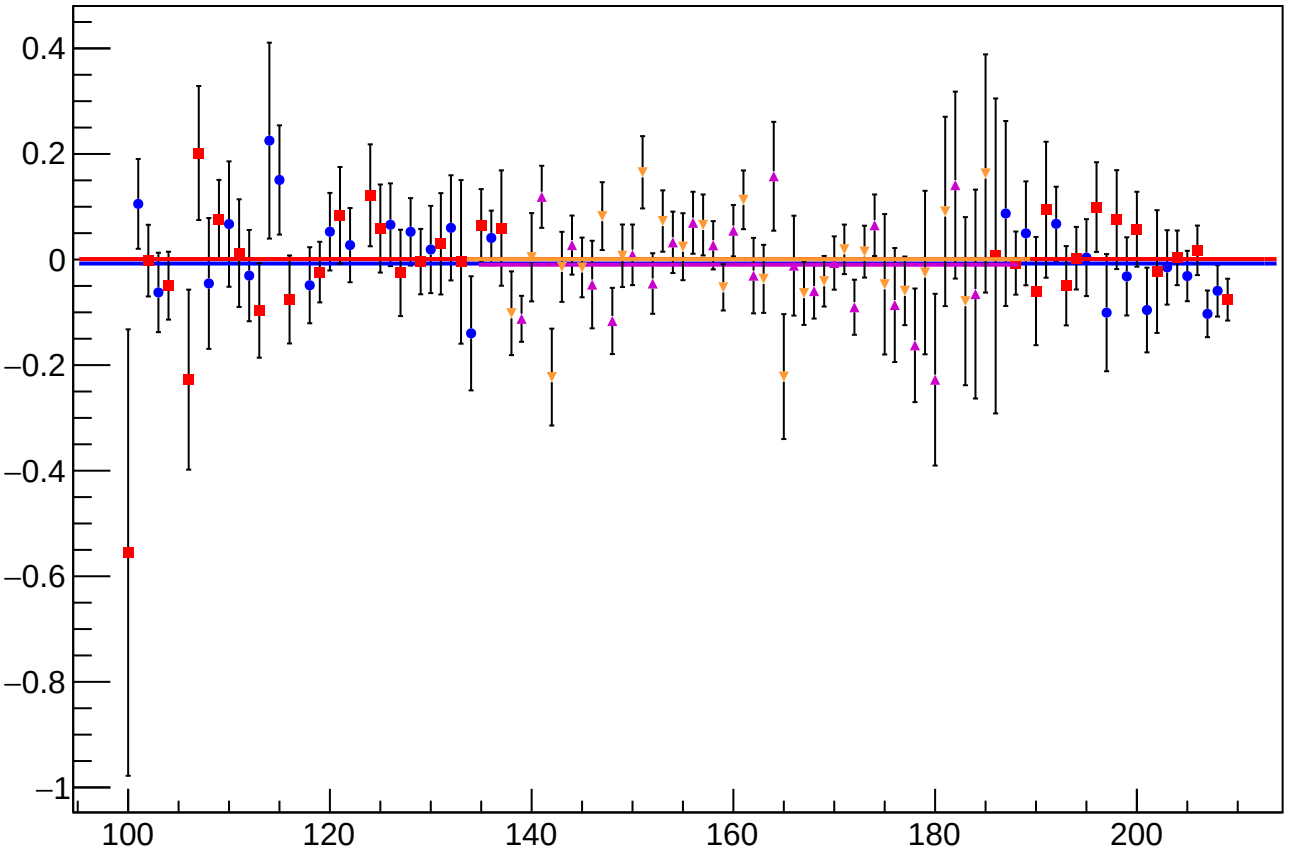
Right Out: 51.893+/-0.010 χ^2/NDF: 2266688.5/31

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666189.2/51

All: 52.940+/-0.005 χ^2/NDF: 9517913.3/106

- sign 52.203+/-0.007 χ^2/NDF: 4826535.9/54



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

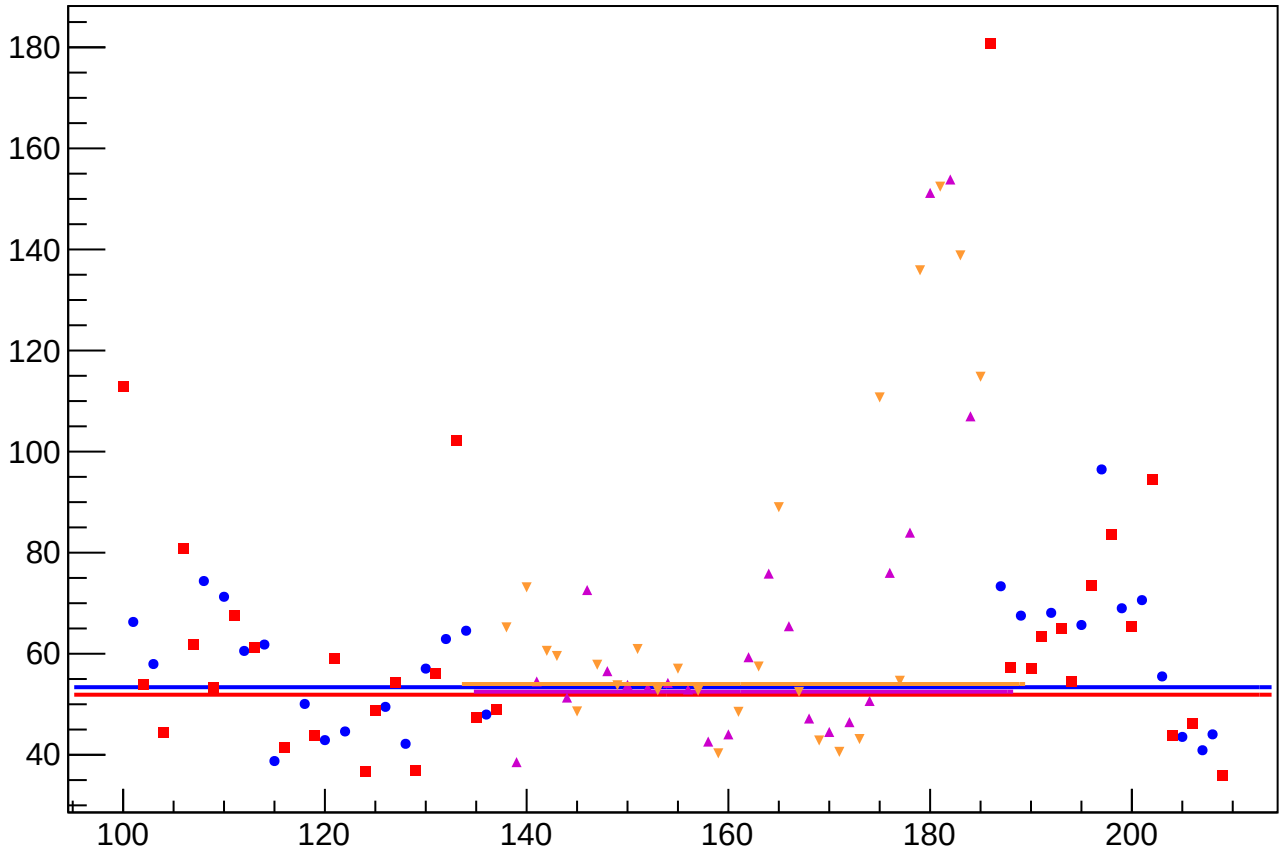
Right Out: 0.001+/-0.013 χ^2/NDF: 22.0/31

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.004+/-0.007 χ^2/NDF: 108.7/106

- sign -0.005+/-0.009 χ^2/NDF: 54.2/54



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

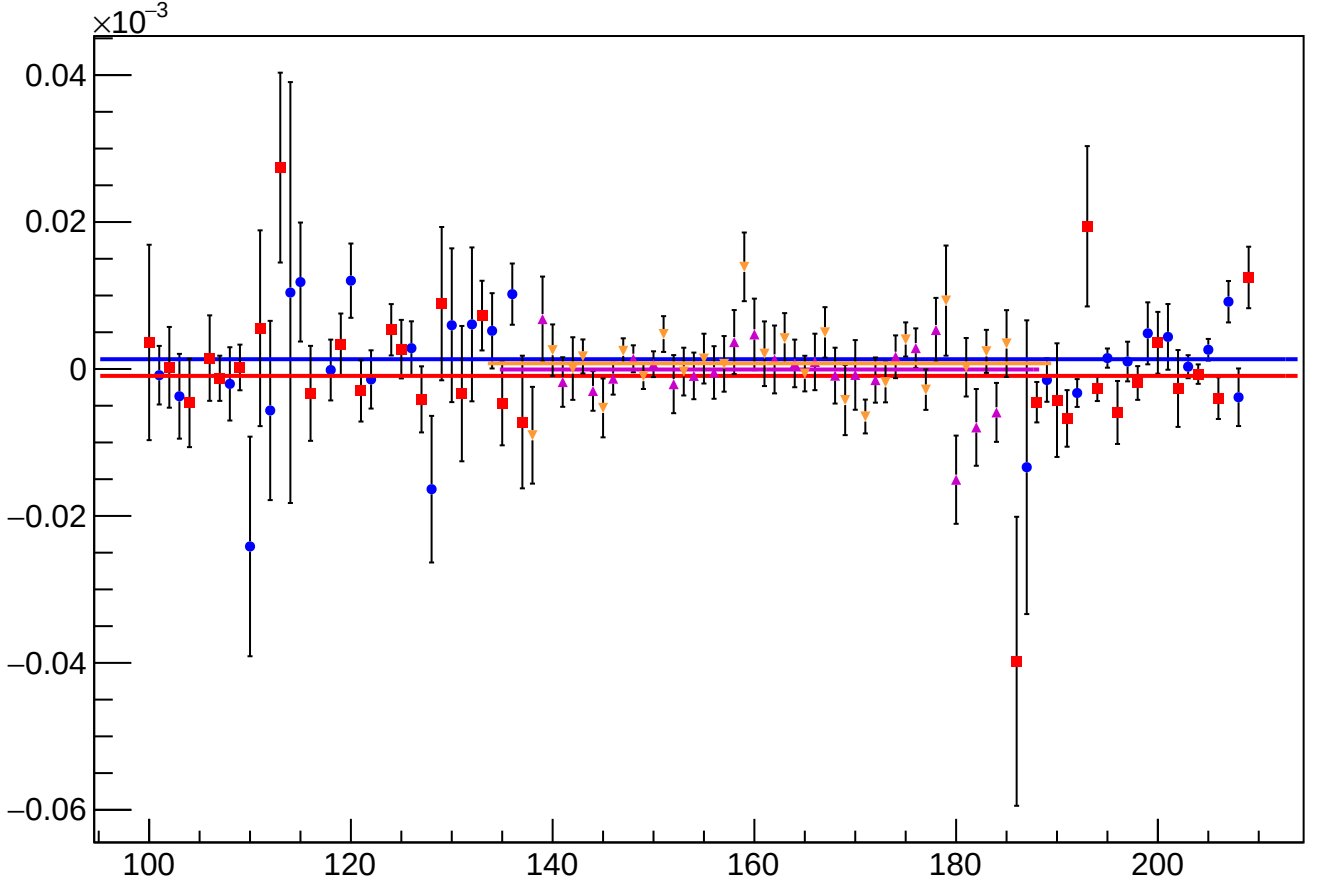
Right Out: 51.893+/-0.010 χ^2/NDF: 2266688.5/31

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666189.2/51

All: 52.940+/-0.005 χ^2/NDF: 9517913.3/106

- sign 52.203+/-0.007 χ^2/NDF: 4826535.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

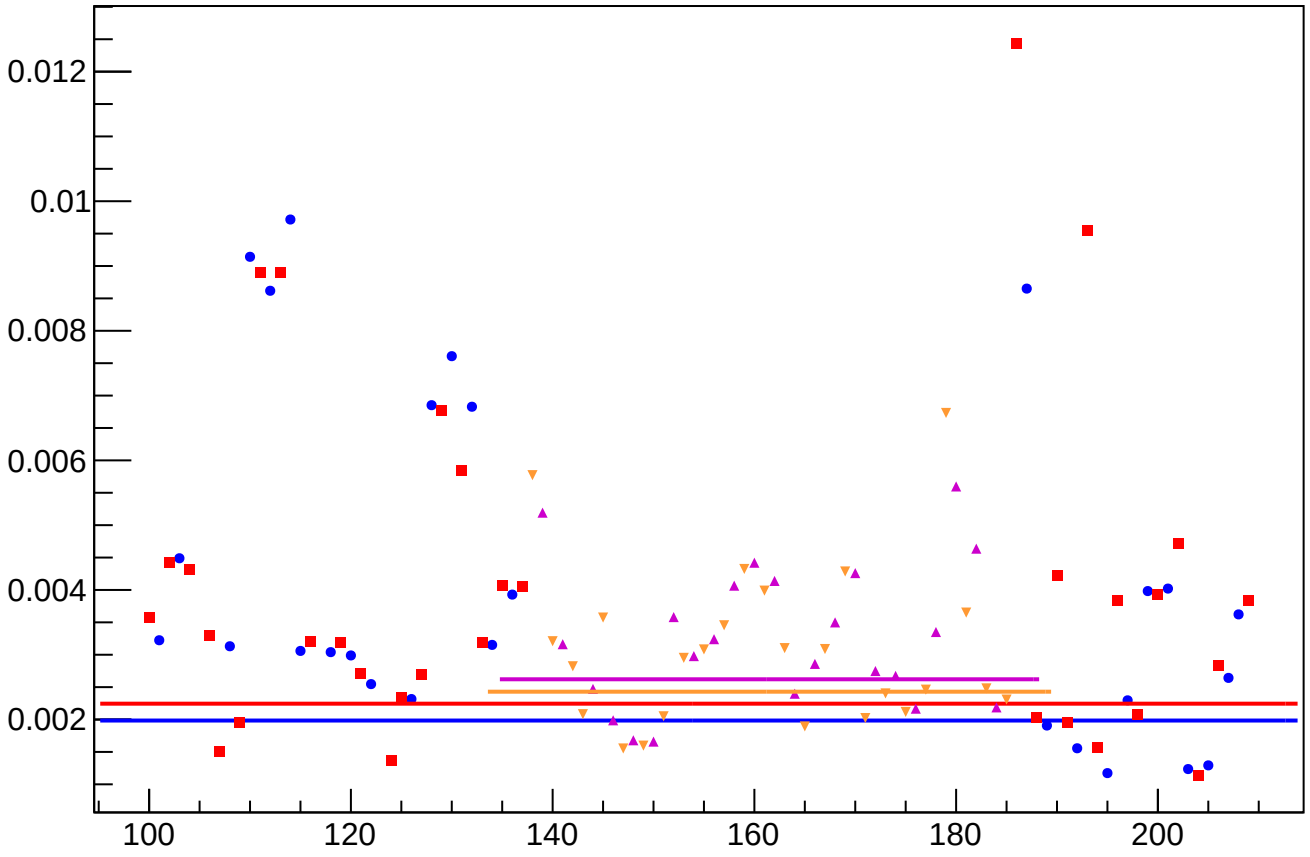
Right Out: -0.000+/-0.000 χ^2/NDF: 43.6/31

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.1/51

All: 0.000+/-0.000 χ^2/NDF: 149.1/106

- sign -0.000+/-0.000 χ^2/NDF: 64.7/54



Right In: 0.002+/-0.000 χ^2/NDF: 7536726.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

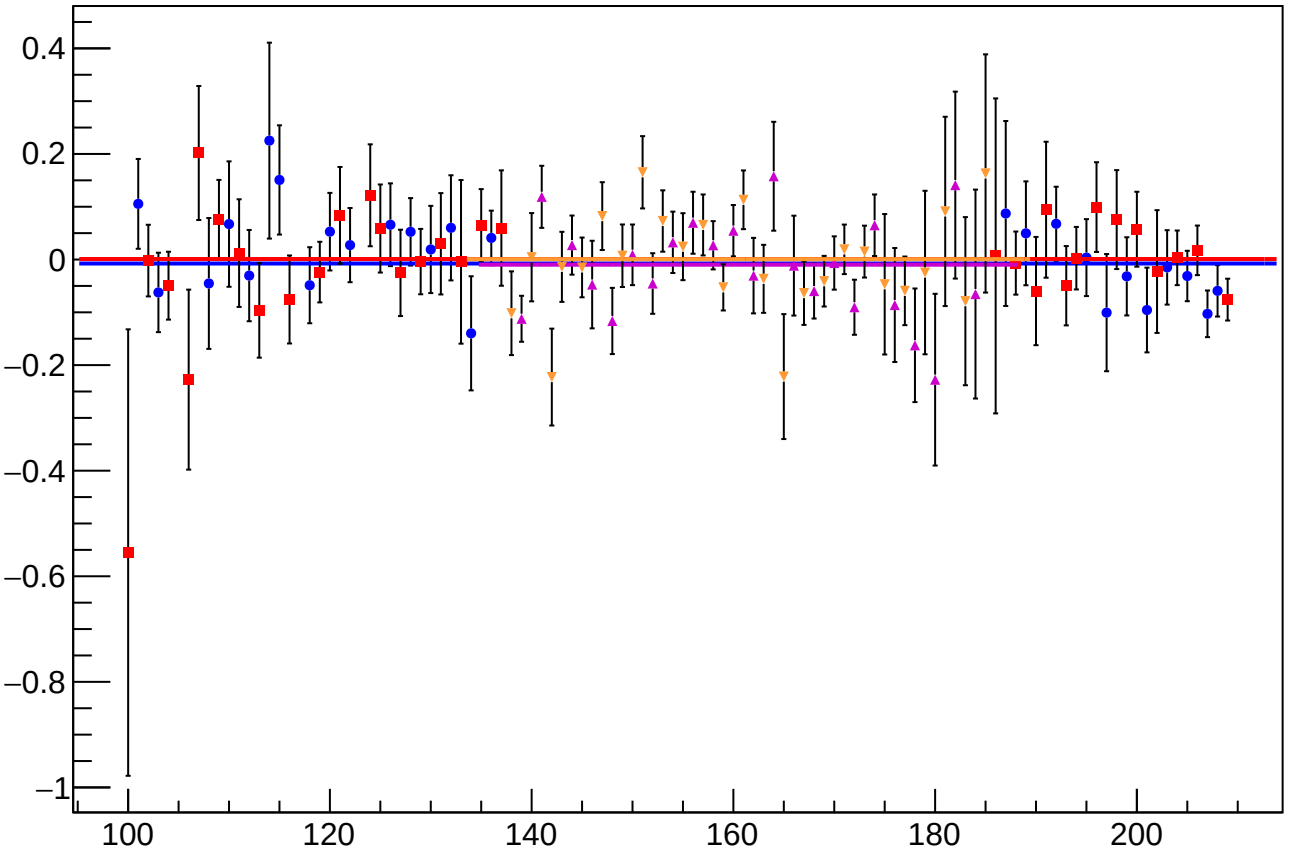
Right Out: 0.002+/-0.000 χ^2/NDF: 7925994.7/31

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12316965.7/51

All: 0.002+/-0.000 χ^2/NDF: 24777069.7/106

- sign 0.002+/-0.000 χ^2/NDF: 12216055.7/54



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

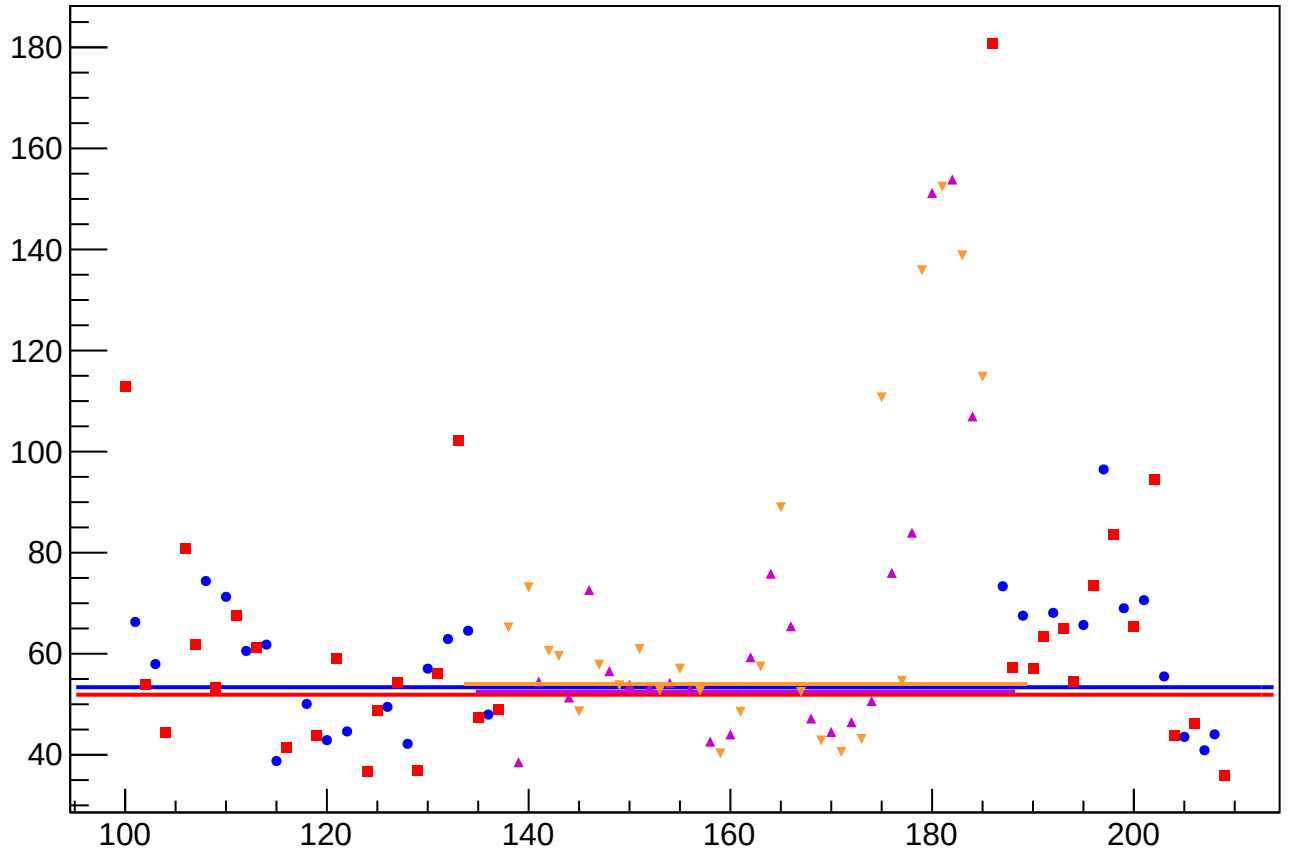
Right Out: 0.001+/-0.013 χ^2/NDF: 22.0/31

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.003+/-0.010 χ^2/NDF: 54.4/51

All: -0.004+/-0.007 χ^2/NDF: 108.7/106

- sign -0.005+/-0.009 χ^2/NDF: 54.2/54



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

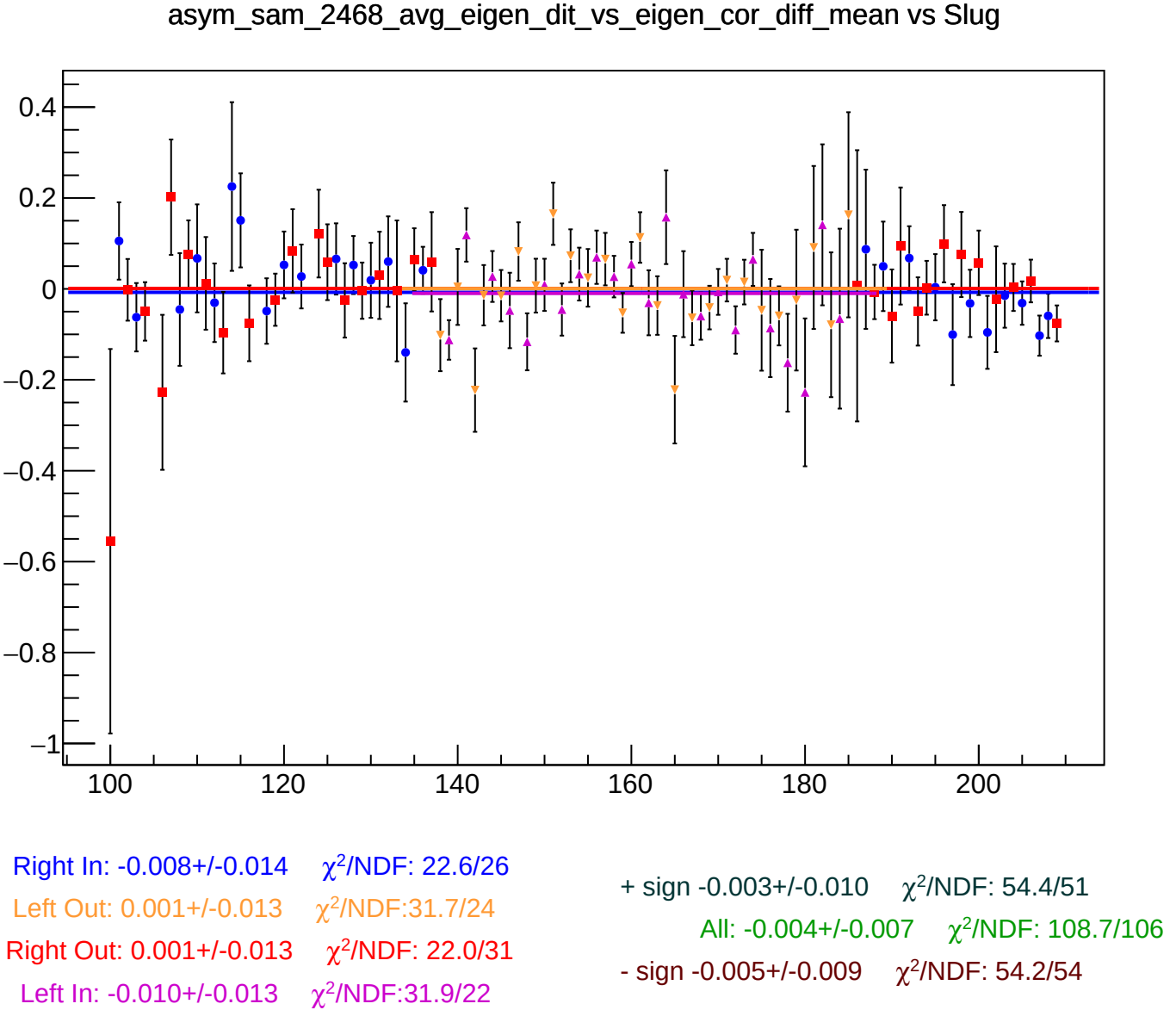
Right Out: 51.893+/-0.010 χ^2/NDF: 2266630.6/31

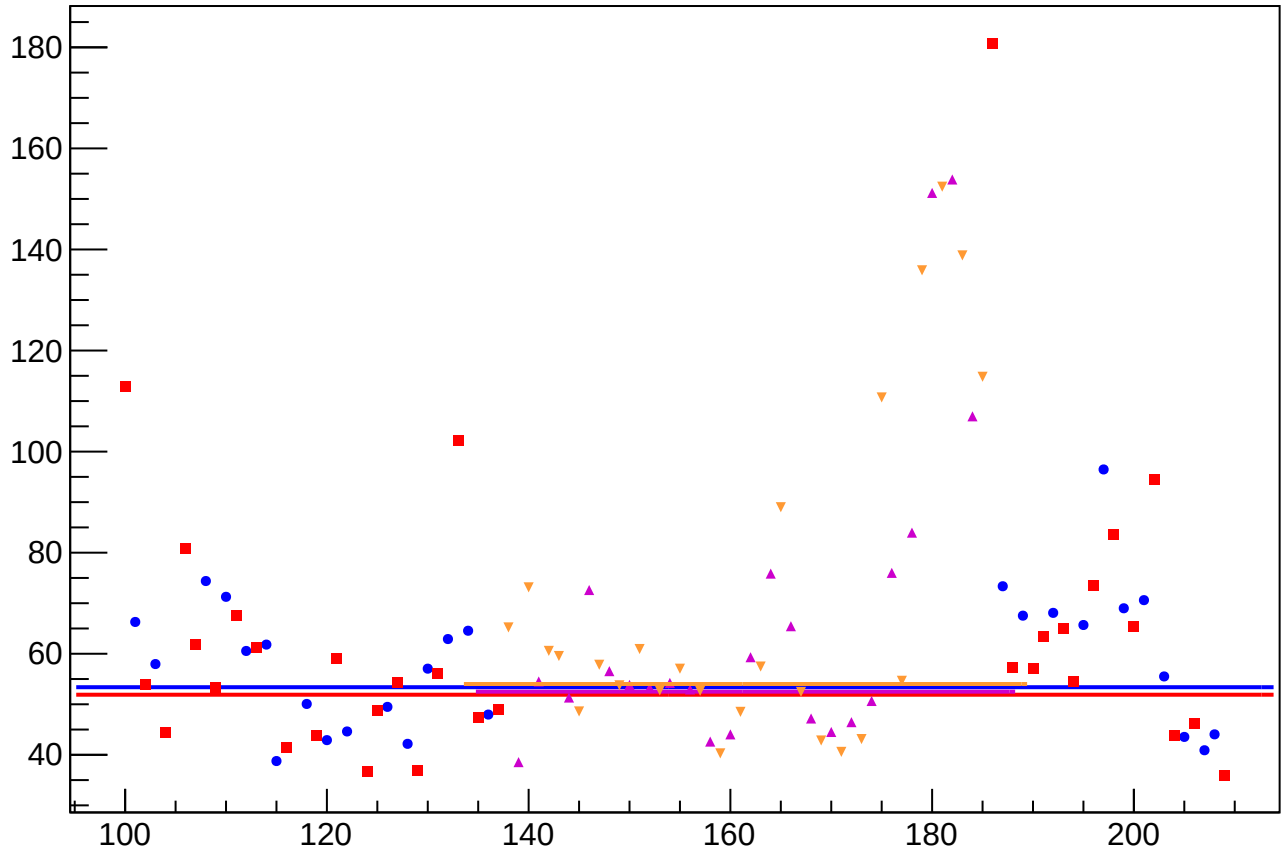
Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666145.9/51

All: 52.940+/-0.005 χ^2/NDF: 9517854.0/106

- sign 52.203+/-0.007 χ^2/NDF: 4826523.4/54


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: -0.008+/-0.014 χ²/NDF: 22.6/26
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.001+/-0.013 χ²/NDF: 22.0/31
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign -0.003+/-0.010 χ²/NDF: 54.4/51
All: -0.004+/-0.007 χ²/NDF: 108.7/106
- sign -0.005+/-0.009 χ²/NDF: 54.2/54



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

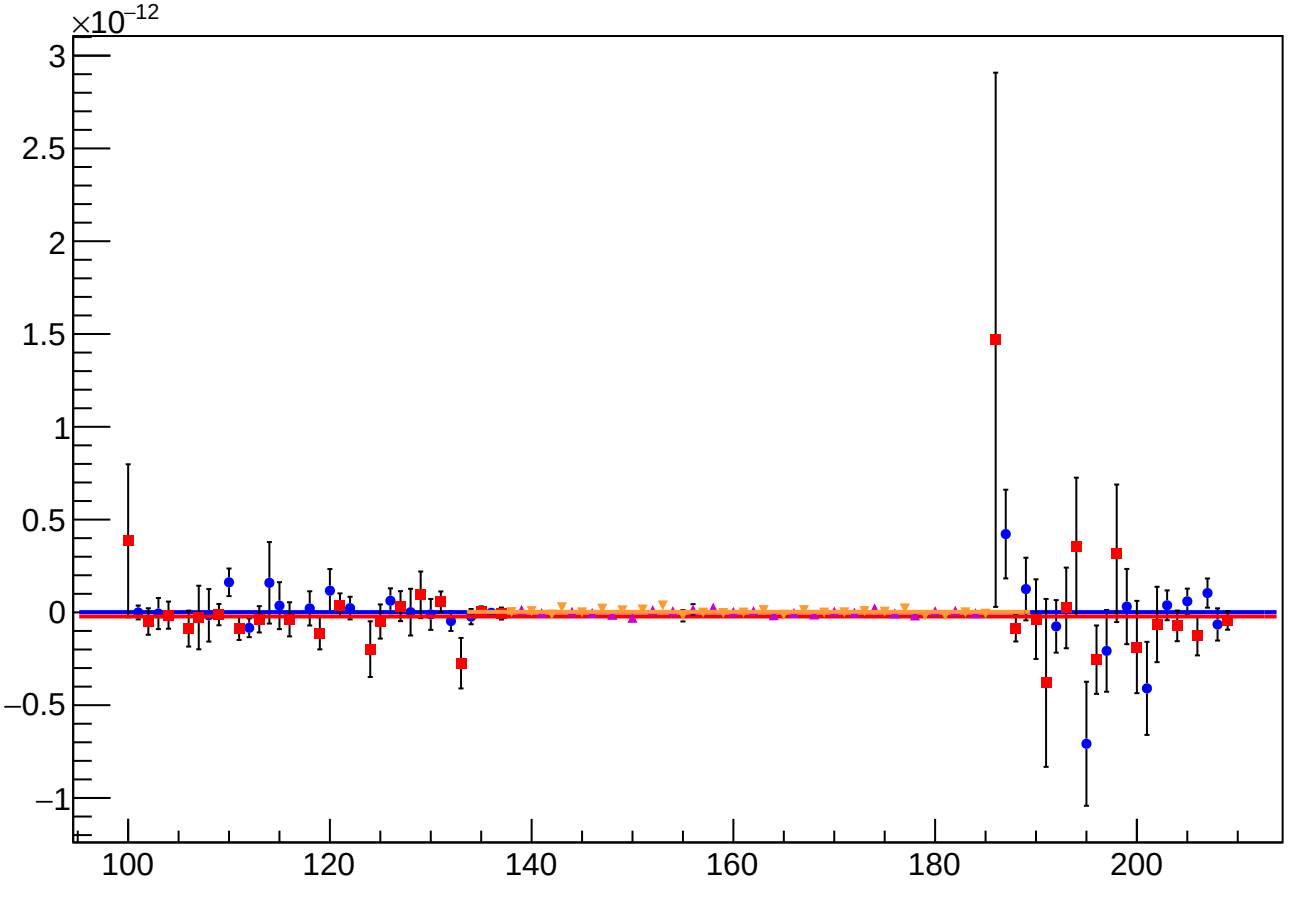
Right Out: 51.893+/-0.010 χ^2/NDF: 2266630.6/31

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.721+/-0.007 χ^2/NDF: 4666145.9/51

All: 52.940+/-0.005 χ^2/NDF: 9517854.0/106

- sign 52.203+/-0.007 χ^2/NDF: 4826523.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

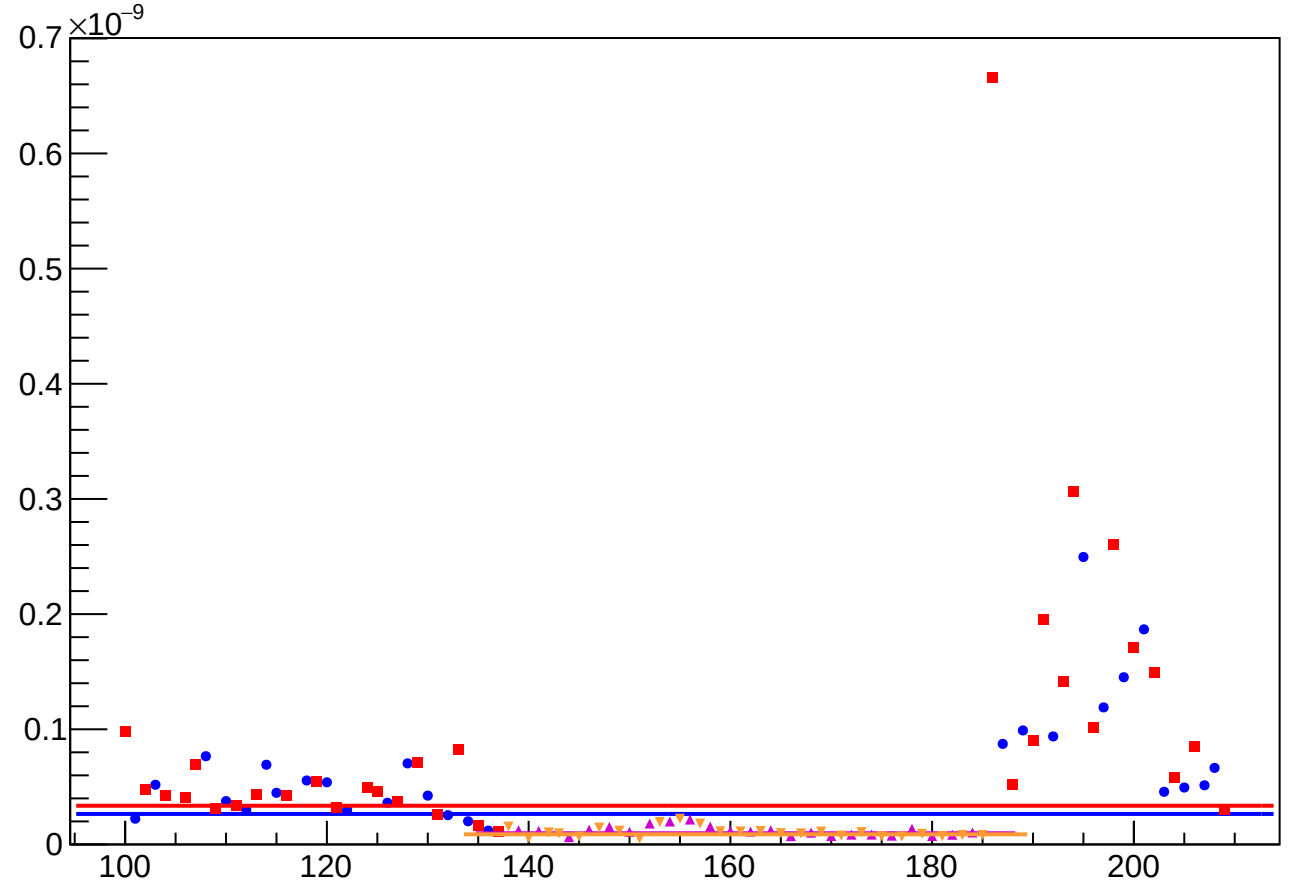
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/31

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/51

All: 0.000+/-0.000 χ^2/NDF: 89.2/106

- sign 0.000+/-0.000 χ^2/NDF: 40.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 7508881.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8093370.3/31

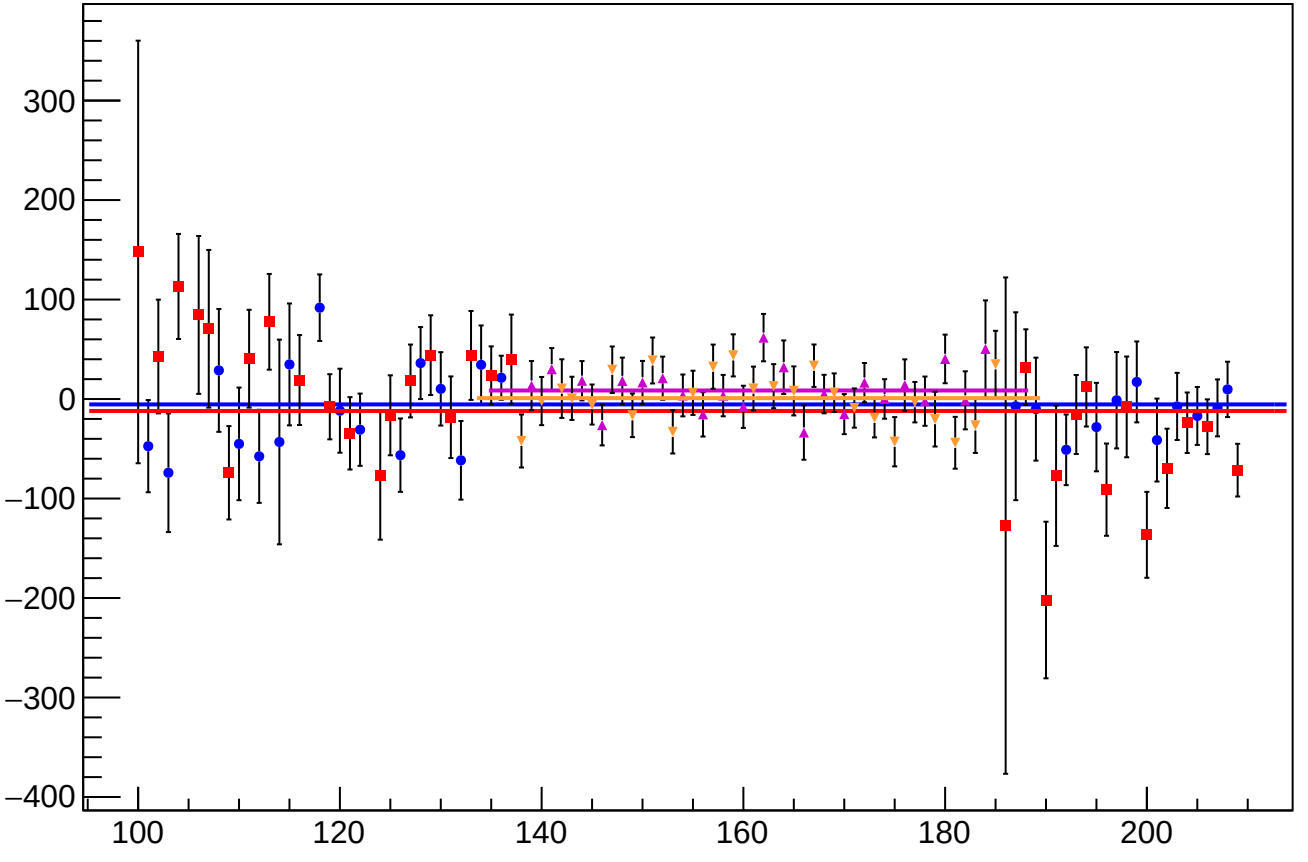
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14654657.6/51

All: 0.000+/-0.000 χ^2/NDF: 31466525.4/106

- sign 0.000+/-0.000 χ^2/NDF: 16648724.3/54

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.404+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -11.970+/-7.522 χ^2/NDF: 52.5/31

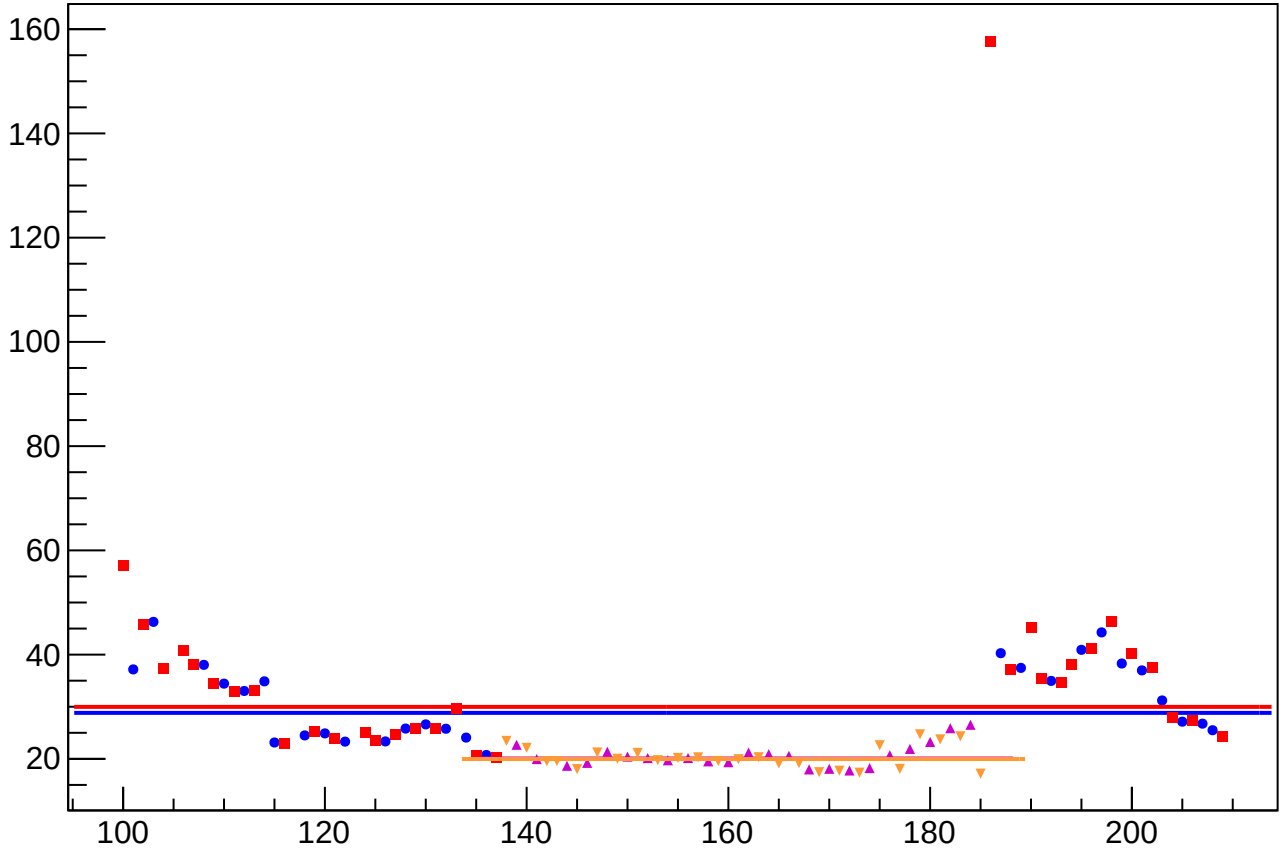
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.803+/-3.902 χ^2/NDF: 54.8/51

All: 0.946+/-2.793 χ^2/NDF: 132.5/106

- sign 2.783+/-4.000 χ^2/NDF: 77.2/54

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF: 1546257.5/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

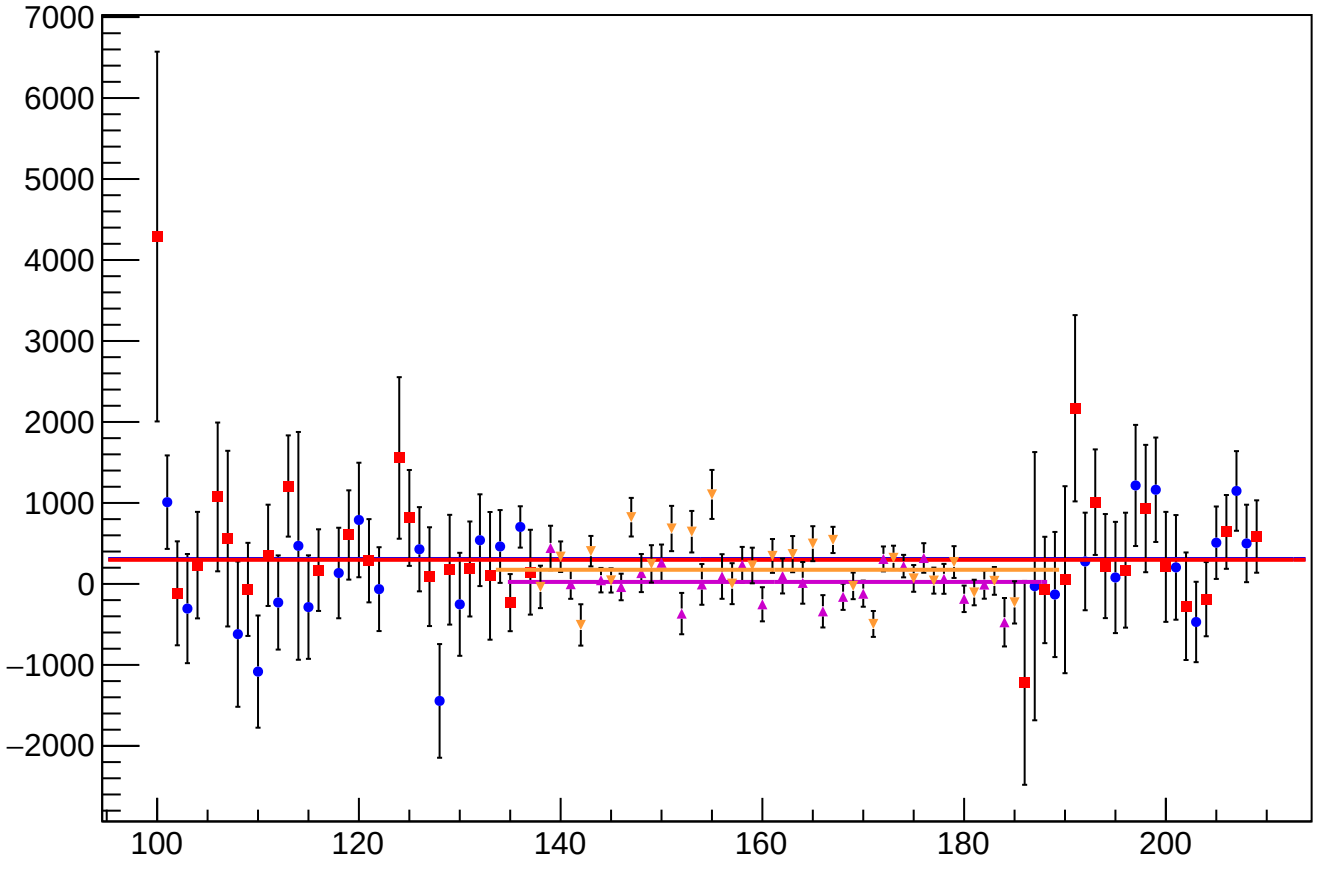
Right Out: 29.975+/-0.005 χ^2/NDF: 2331732.3/31

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF: 3973731.4/51

All: 22.620+/-0.002 χ^2/NDF: 9108621.4/106

- sign 22.873+/-0.003 χ^2/NDF: 5119243.5/54



Right In: 307.904+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

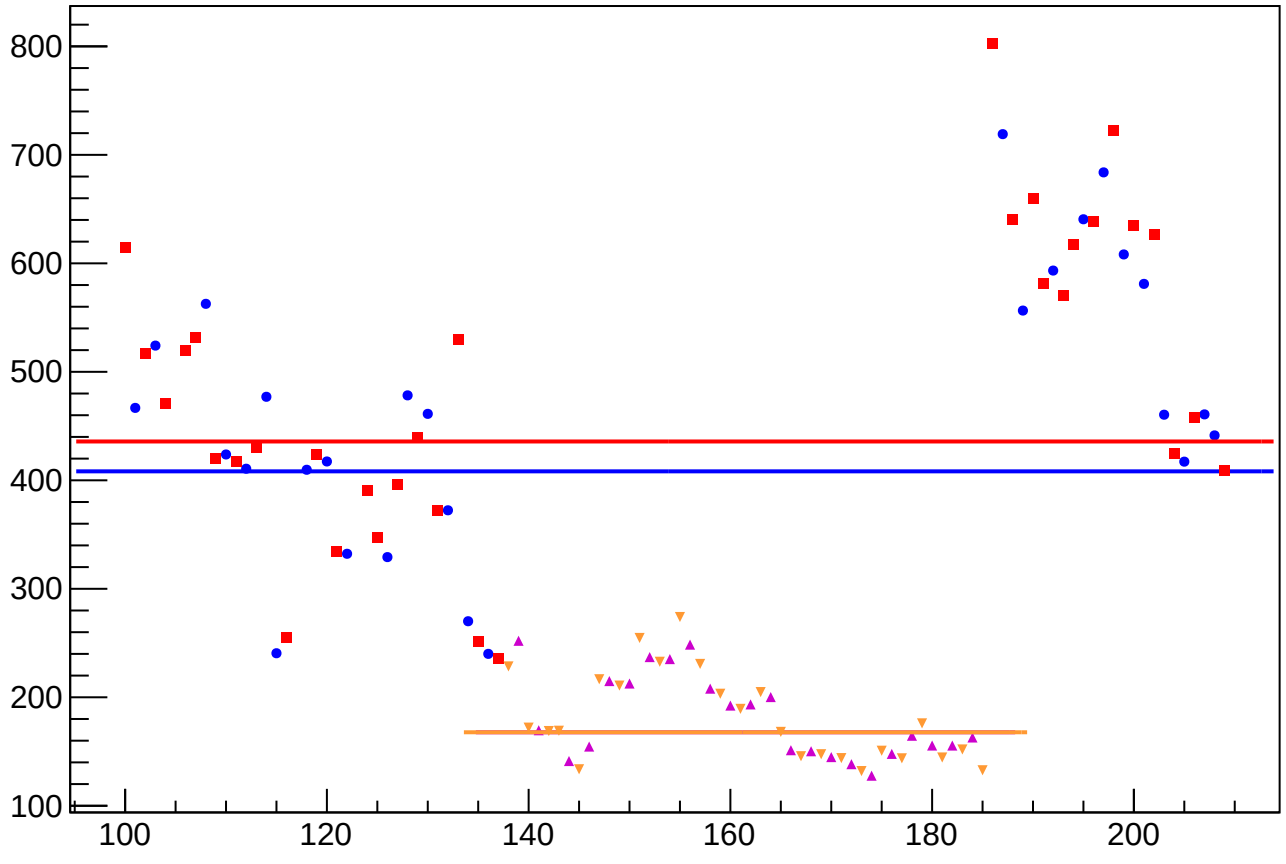
Right Out: 297.812+/-109.829 χ^2/NDF: 21.3/31

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

\+ sign 190.143+/-36.715 χ^2/NDF: 102.0/51

All: 125.080+/-26.283 χ^2/NDF: 162.1/106

\- sign 56.686+/-37.643 χ^2/NDF: 53.7/54



Right In: 408.267+/-0.076 χ^2/NDF: 2694942.2/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 435.799+/-0.078 χ^2/NDF: 2863247.6/31

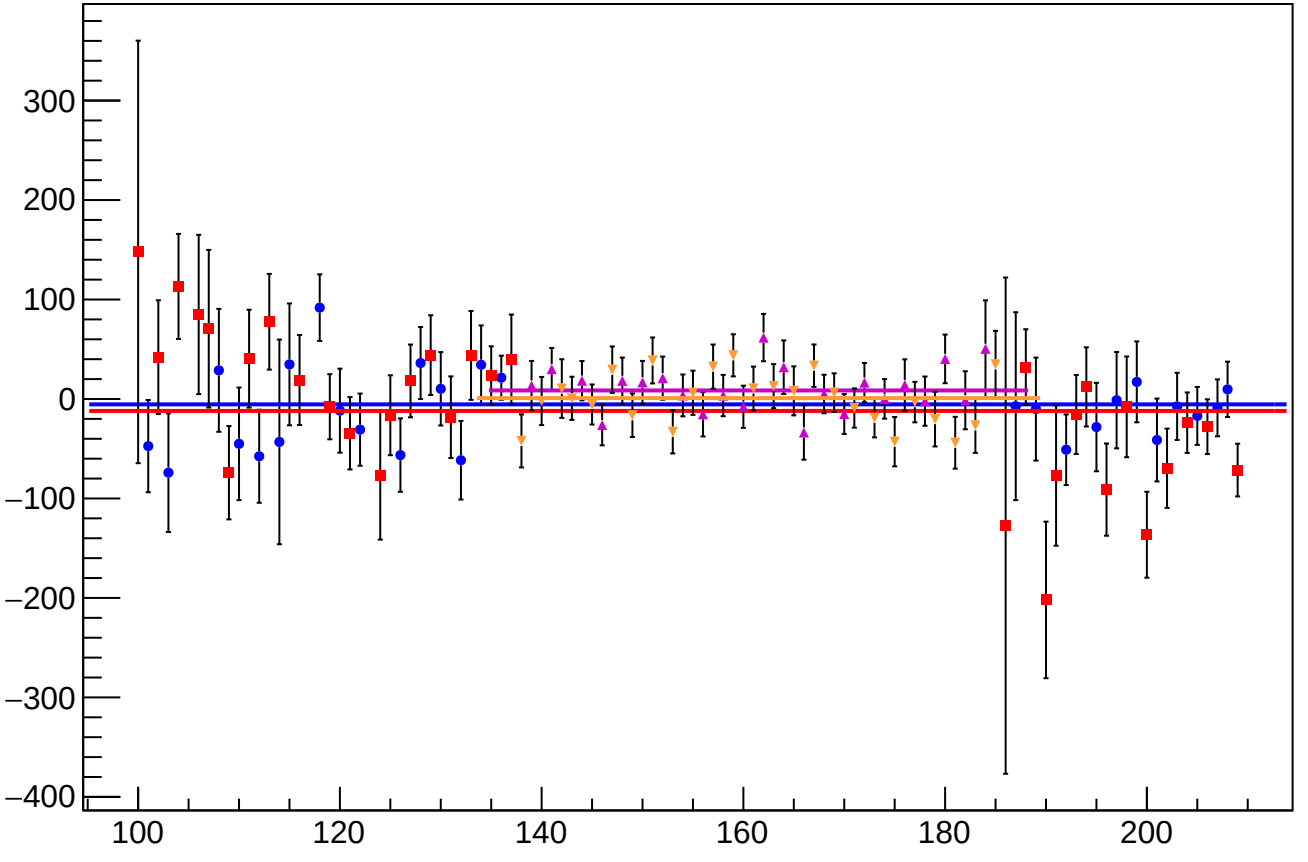
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 195.650+/-0.026 χ^2/NDF: 13073063.9/51

All: 197.398+/-0.019 χ^2/NDF: 27862527.0/10

- sign 199.237+/-0.027 χ^2/NDF: 14780154.0/54

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -11.995+/-7.523 χ^2/NDF: 52.4/31

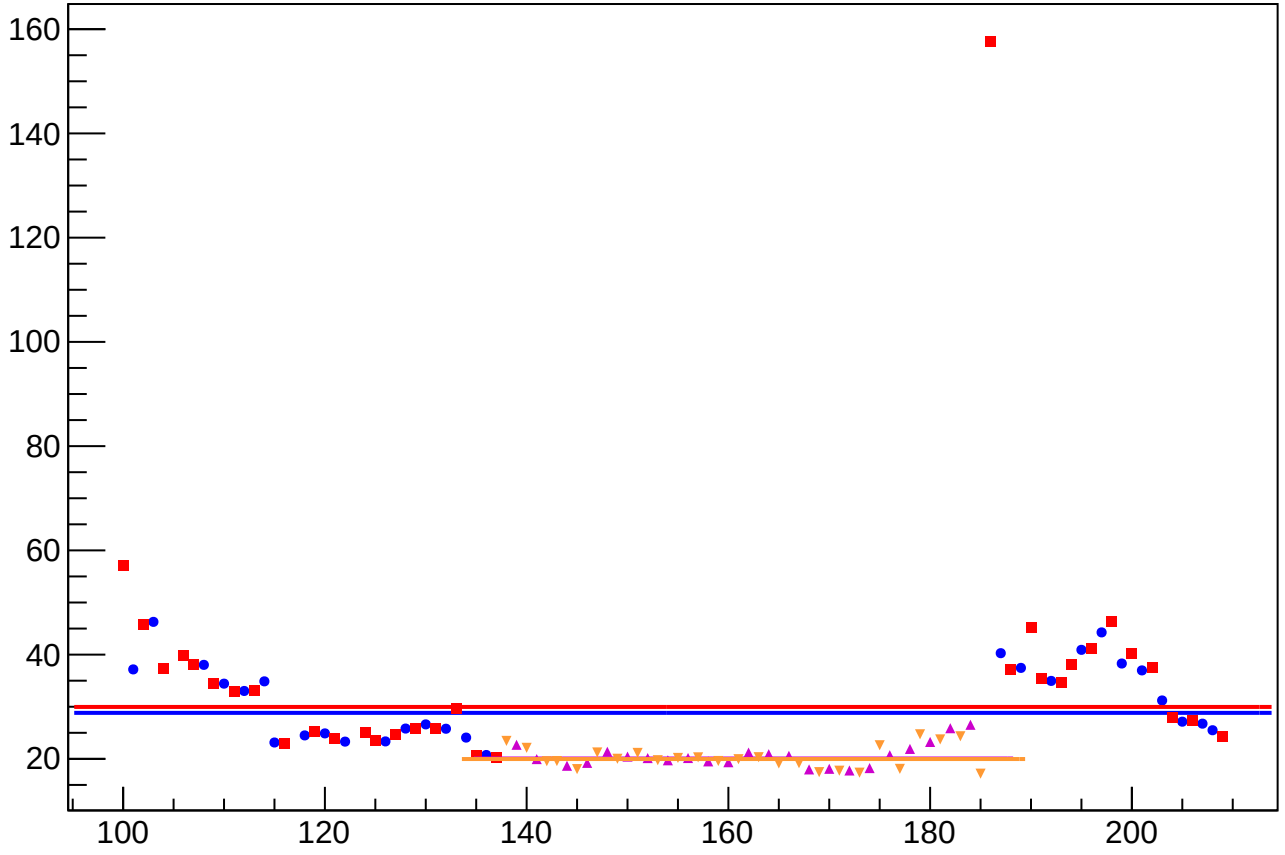
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.804+/-3.902 χ^2/NDF: 54.8/51

All: 0.942+/-2.793 χ^2/NDF: 132.4/106

- sign 2.777+/-4.000 χ^2/NDF: 77.2/54

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

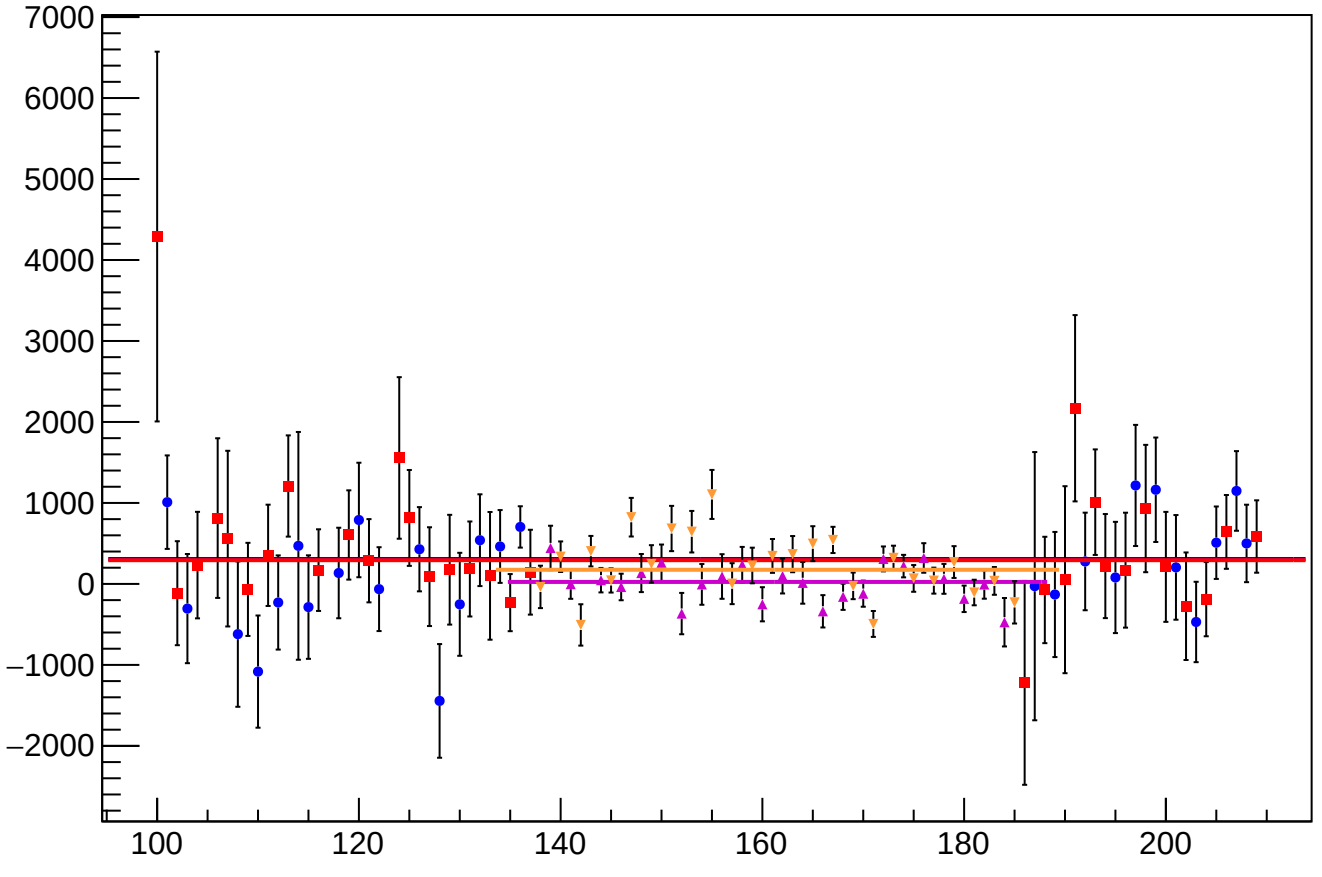
Right Out: 29.964+/-0.005 χ^2/NDF: 2324294.0/31

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF: 3973734.8/51

All: 22.618+/-0.002 χ^2/NDF: 9094997.7/106

- sign 22.869+/-0.003 χ^2/NDF: 5105840.1/54



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: 293.156+/-109.934 χ^2/NDF: 20.9/31

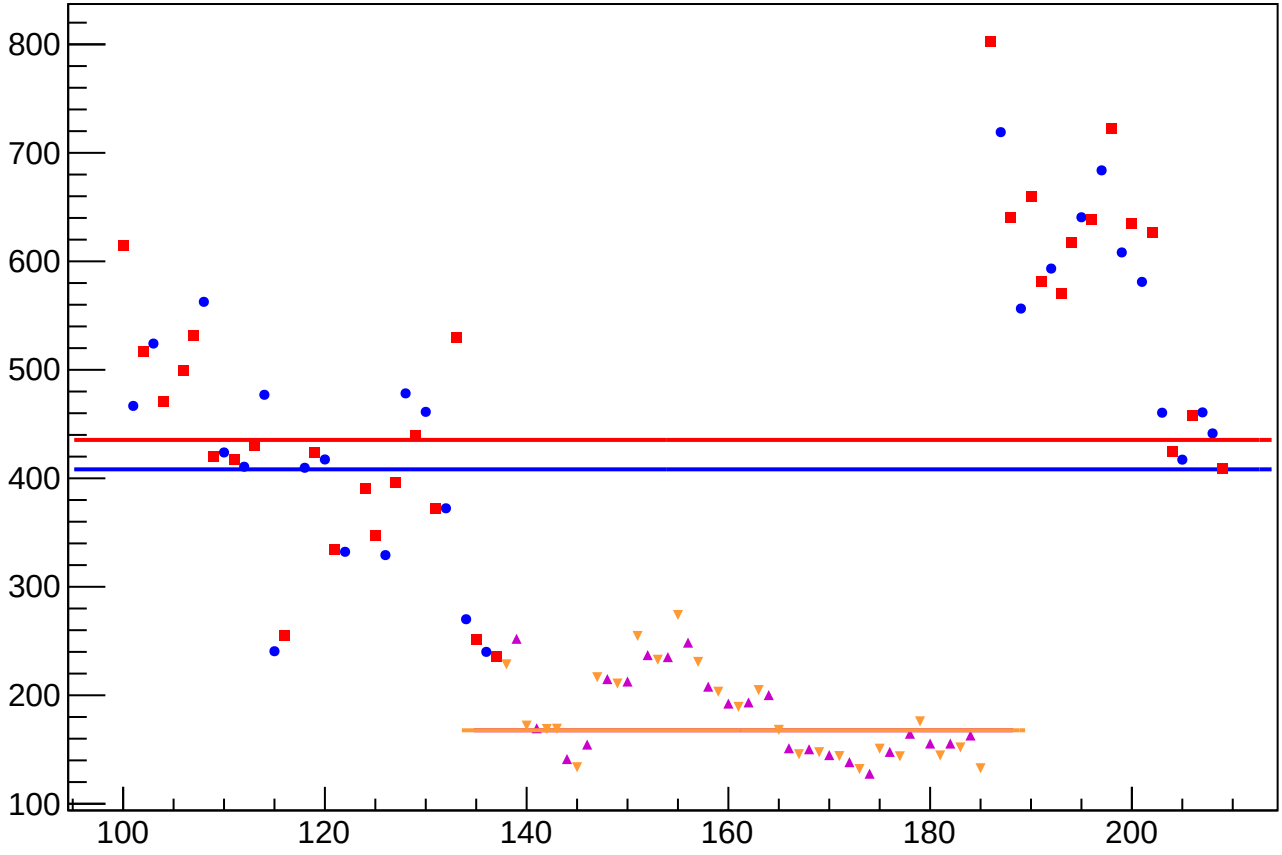
Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 190.141+/-36.715 χ^2/NDF: 102.0/51

All: 124.794+/-26.285 χ^2/NDF: 161.5/106

- sign 56.086+/-37.647 χ^2/NDF: 53.0/54

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

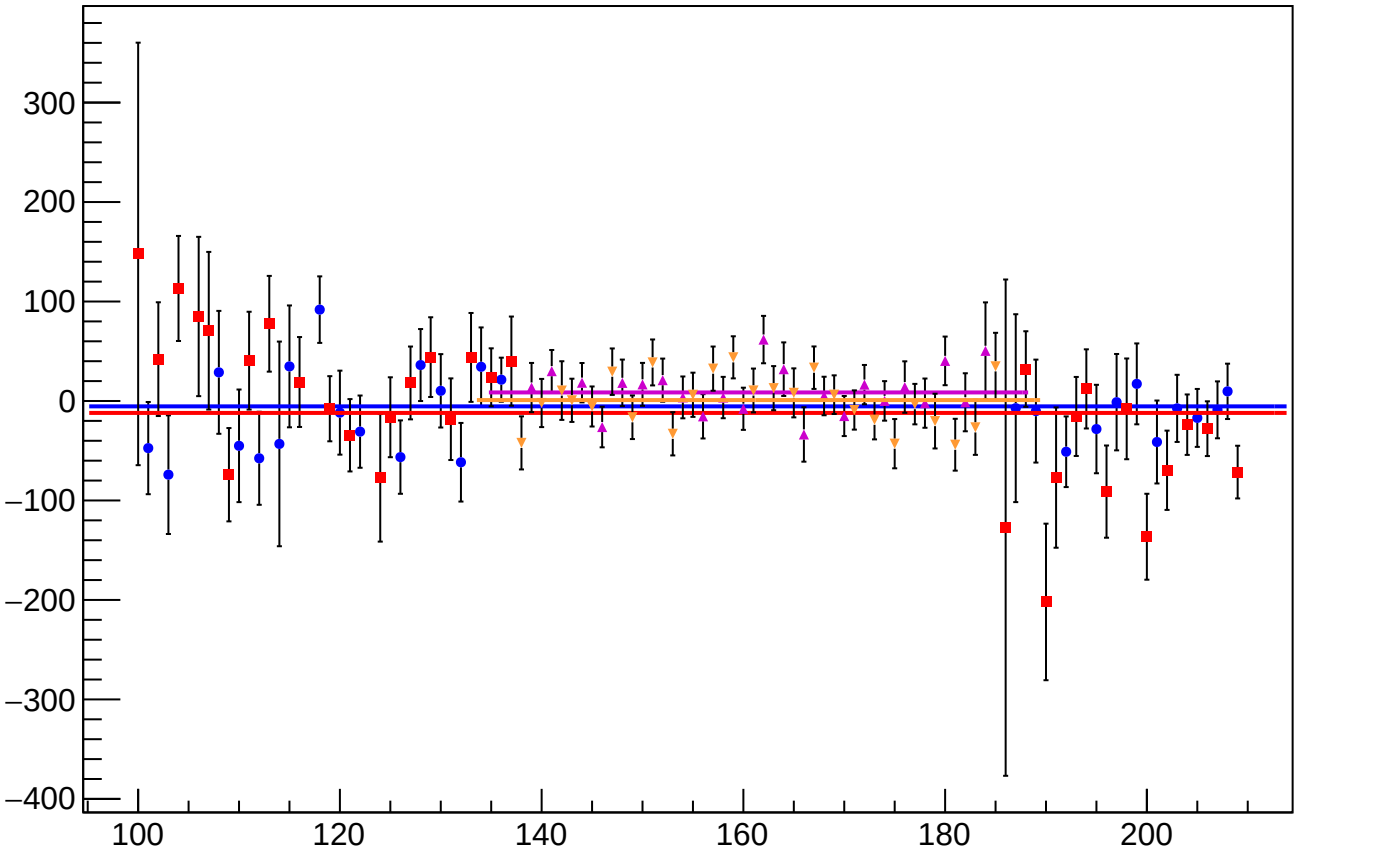
Right Out: 435.393+/-0.078 χ^2/NDF: 2854988.8/31

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 195.650+/-0.026 χ^2/NDF: 13073088.3/51

All: 197.349+/-0.019 χ^2/NDF: 27804252.1/10

- sign 199.136+/-0.027 χ^2/NDF: 14722370.2/54



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -11.995+/-7.523 χ^2/NDF: 52.4/31

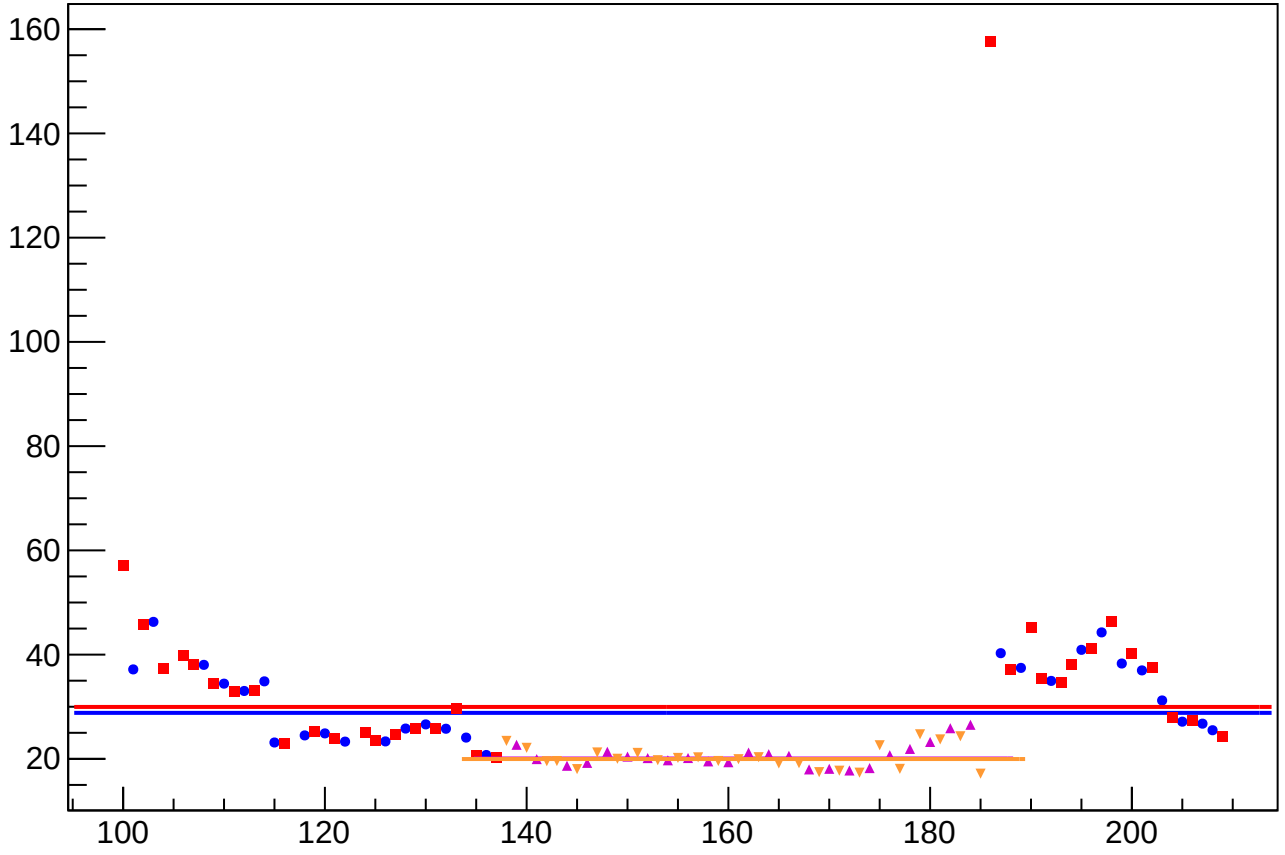
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.804+/-3.902 χ^2/NDF: 54.8/51

All: 0.942+/-2.793 χ^2/NDF: 132.4/106

- sign 2.777+/-4.000 χ^2/NDF: 77.2/54

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

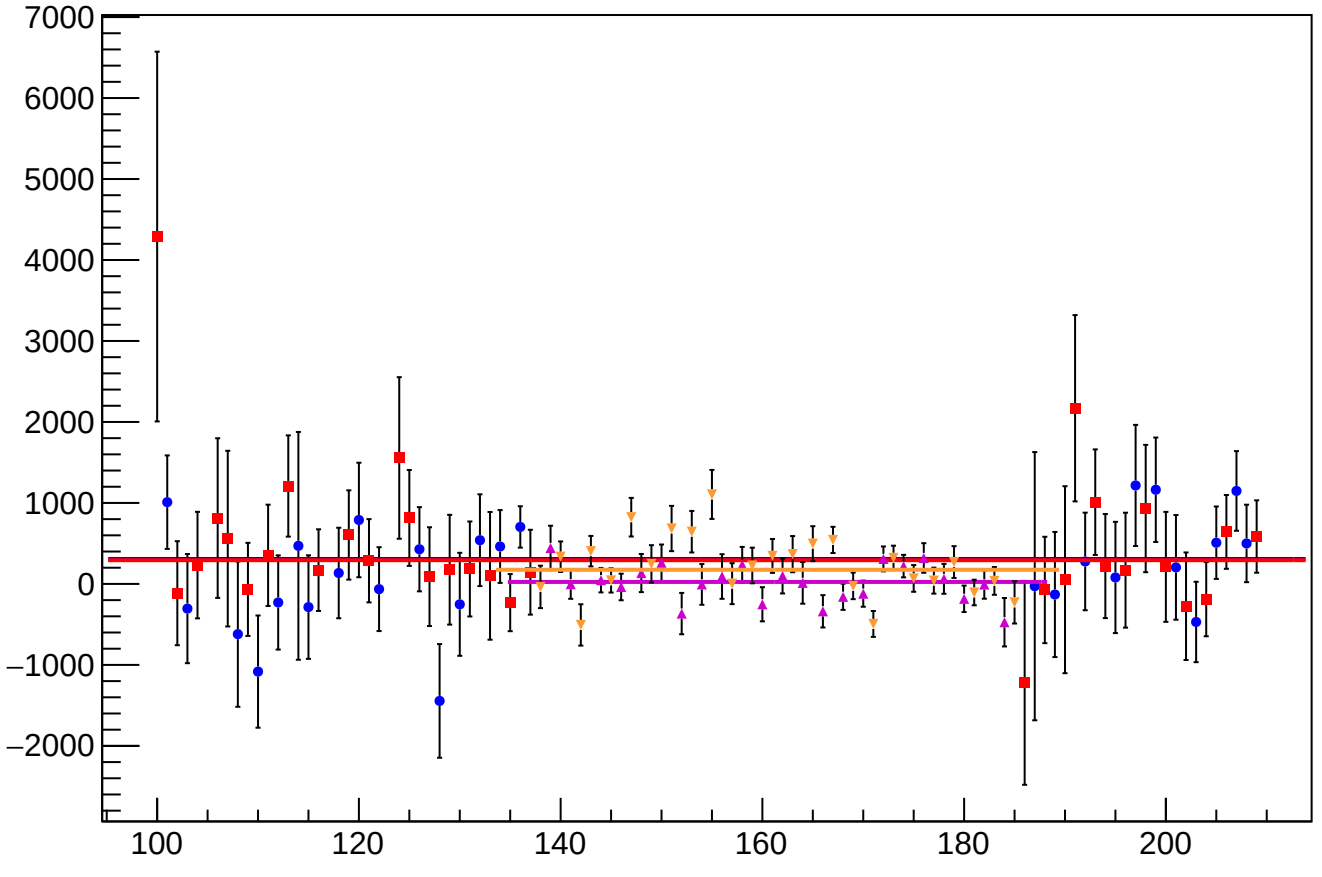
Right Out: 29.964+/-0.005 χ^2/NDF: 2324294.0/31

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.379+/-0.003 χ^2/NDF: 3973734.8/51

All: 22.618+/-0.002 χ^2/NDF: 9094997.7/106

- sign 22.869+/-0.003 χ^2/NDF: 5105840.1/54



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

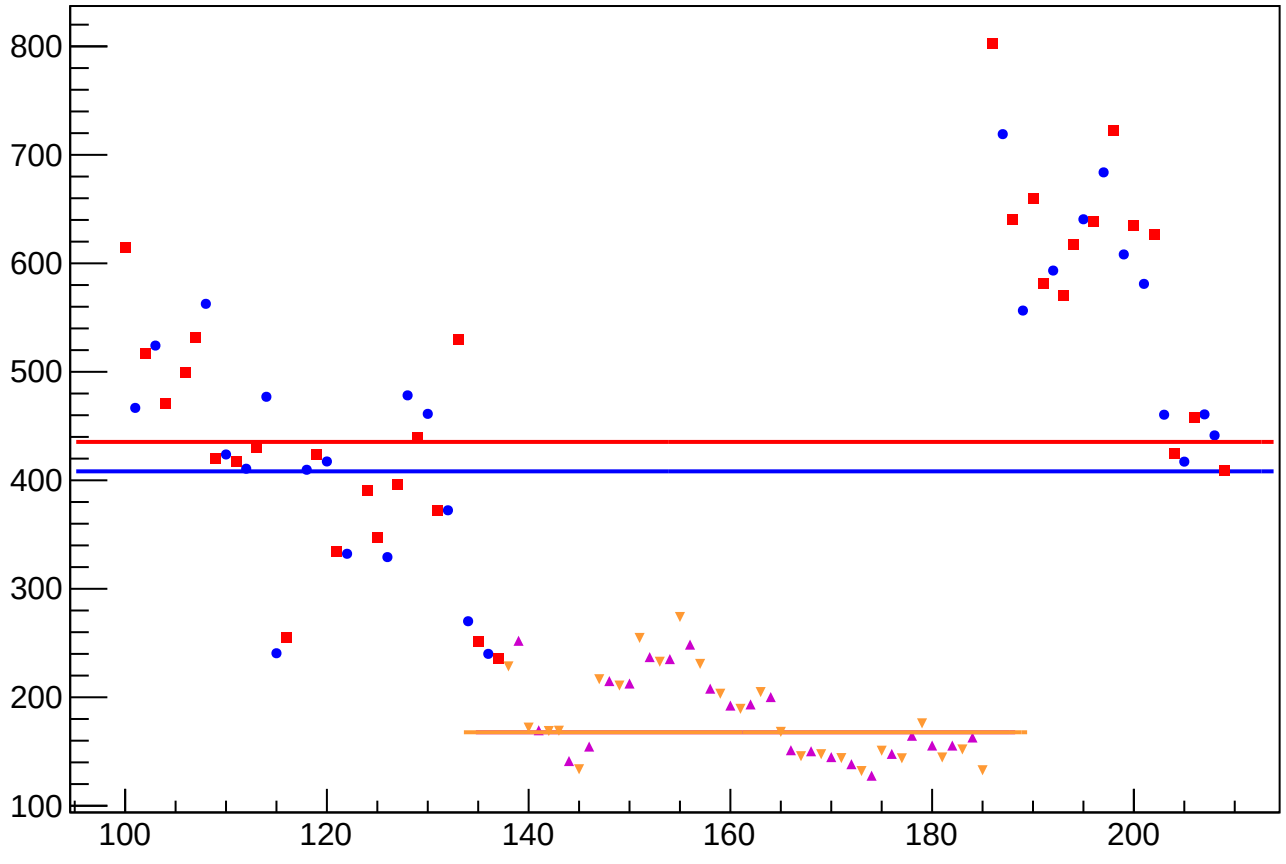
Right Out: 293.156+/-109.934 χ^2/NDF: 20.9/31

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 190.141+/-36.715 χ^2/NDF: 102.0/51

All: 124.794+/-26.285 χ^2/NDF: 161.5/106

- sign 56.086+/-37.647 χ^2/NDF: 53.0/54



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.393+/-0.078 χ^2/NDF: 2854988.8/31

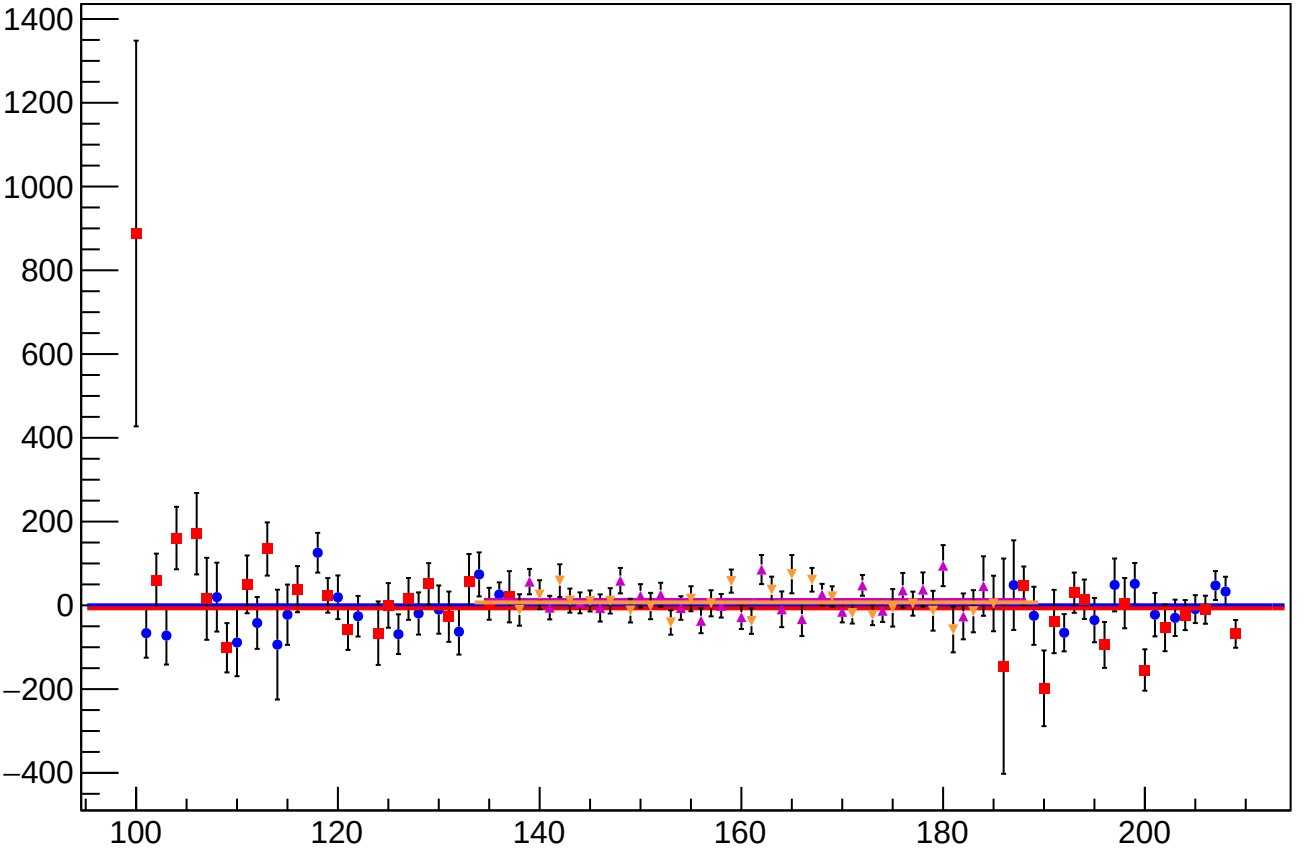
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 195.650+/-0.026 χ^2/NDF: 13073088.3/51

All: 197.349+/-0.019 χ^2/NDF: 27804252.1/10

- sign 199.136+/-0.027 χ^2/NDF: 14722370.2/54

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.113+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -7.092+/-9.492 χ^2/NDF: 50.2/31

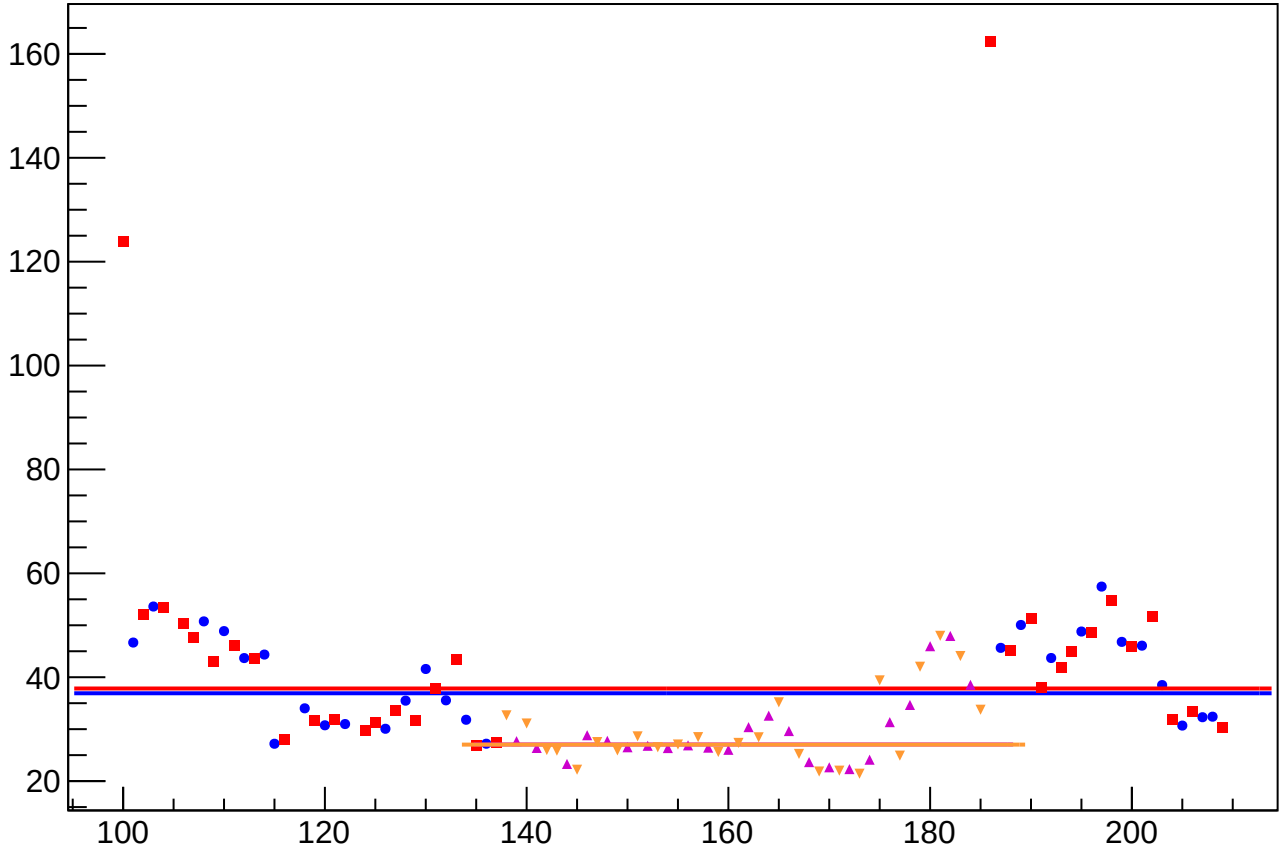
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.970+/-5.288 χ^2/NDF: 49.7/51

All: 5.655+/-3.768 χ^2/NDF: 128.5/106

- sign 6.362+/-5.371 χ^2/NDF: 78.8/54

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.912+/-0.007 χ^2/NDF: 1432155.8/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.829+/-0.007 χ^2/NDF: 2073090.8/31

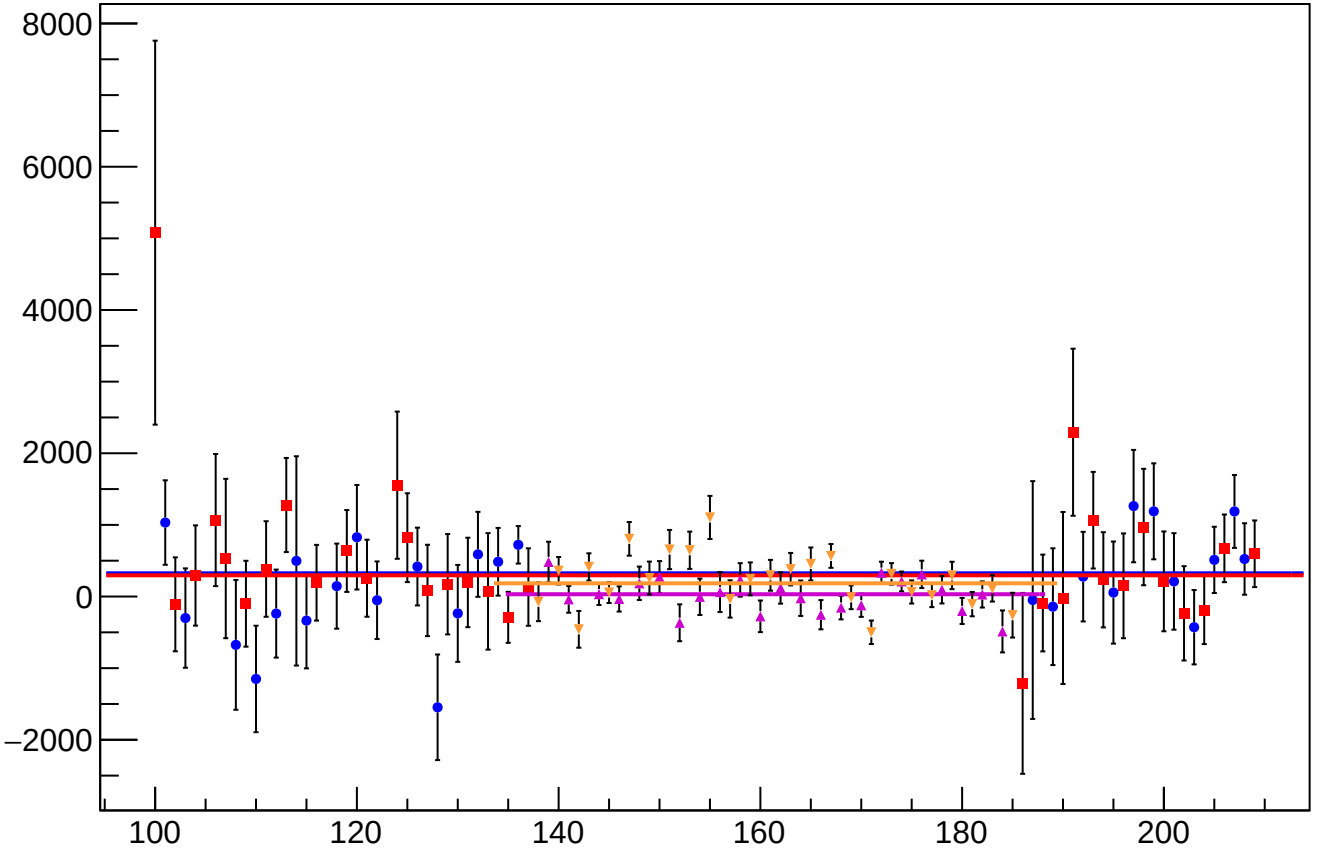
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.020+/-0.004 χ^2/NDF: 4338257.1/51

All: 30.257+/-0.003 χ^2/NDF: 9216621.3/106

- sign 30.502+/-0.004 χ^2/NDF: 4870175.8/54

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 324.082+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

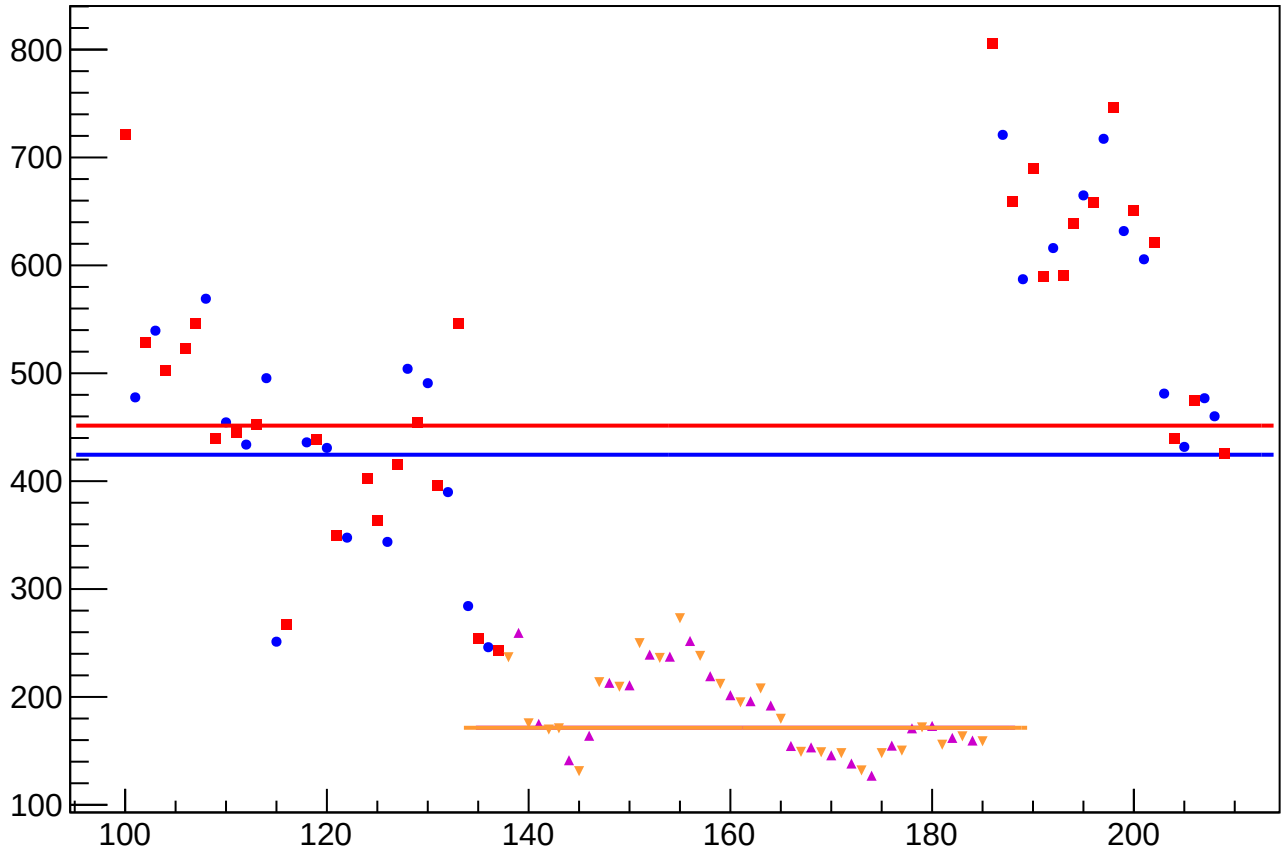
Right Out: 296.099+/-113.698 χ^2/NDF: 22.2/31

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 200.296+/-37.534 χ^2/NDF: 98.1/51

All: 133.118+/-26.892 χ^2/NDF: 158.0/106

- sign 62.261+/-38.548 χ^2/NDF: 53.4/54



Right In: 424.489+/-0.079 χ^2/NDF: 2735577.6/26

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 451.475+/-0.080 χ^2/NDF: 2834763.8/31

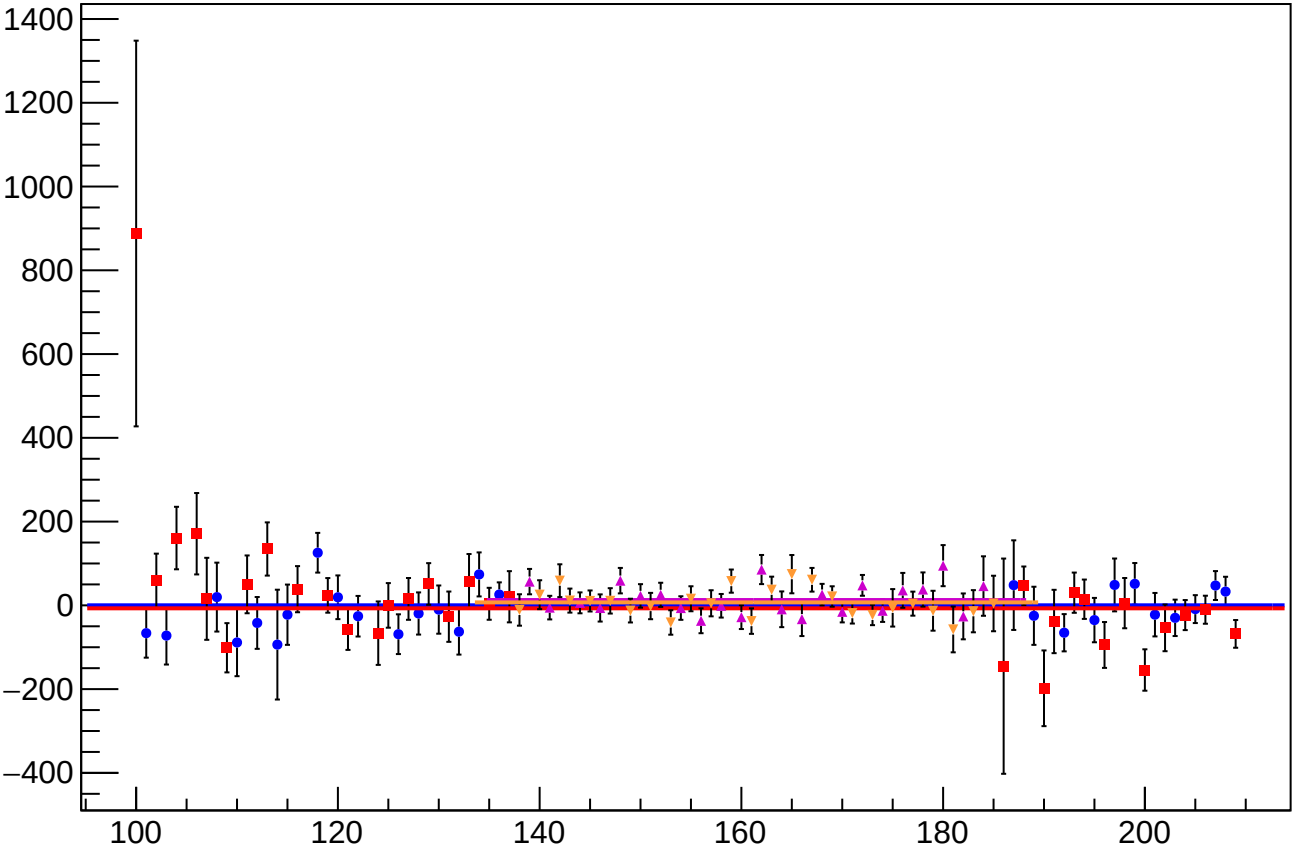
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 199.784+/-0.027 χ^2/NDF: 13308408.4/51

All: 201.677+/-0.019 χ^2/NDF: 28303384.2/10

- sign 203.673+/-0.027 χ^2/NDF: 14984524.1/54

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.111+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -7.092+/-9.492 χ^2/NDF: 50.2/31

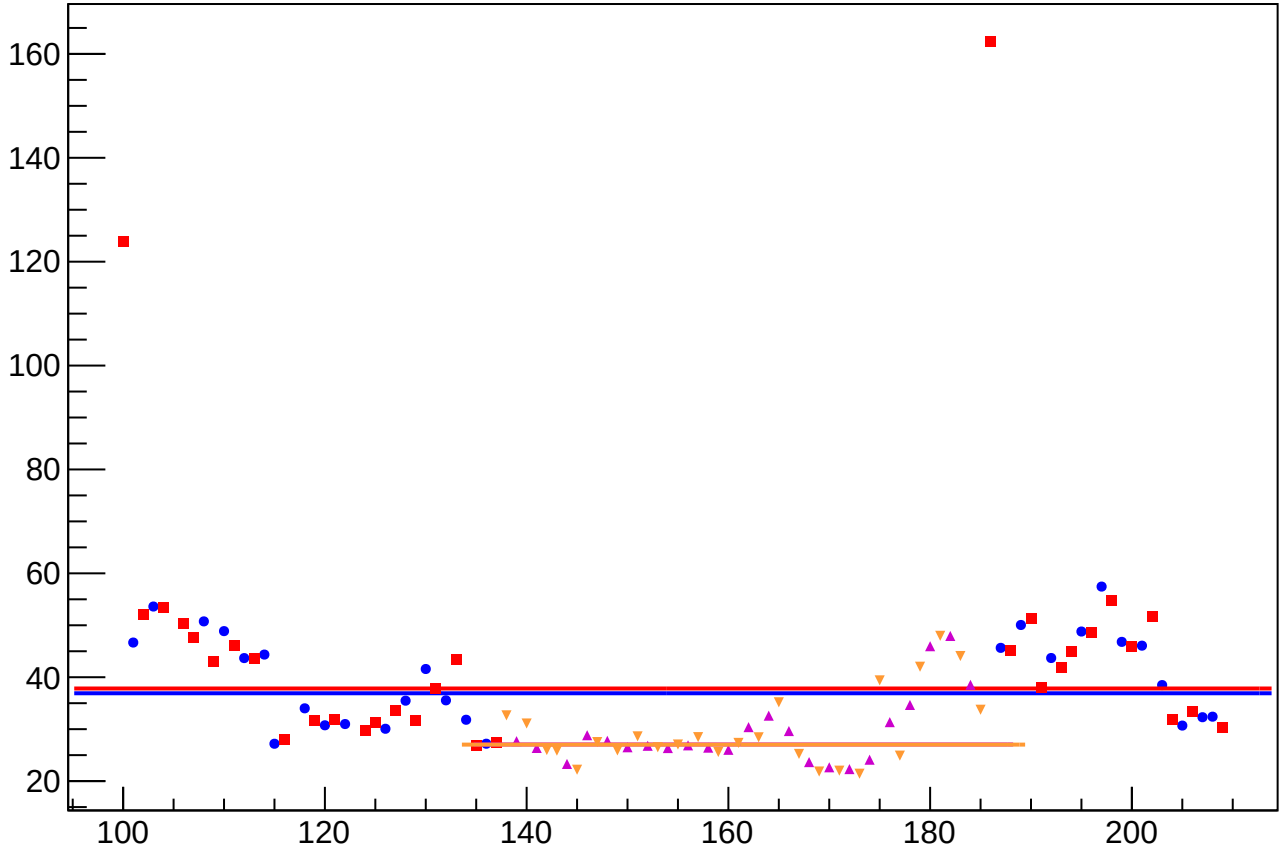
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 4.969+/-5.288 χ^2/NDF: 49.7/51

All: 5.655+/-3.768 χ^2/NDF: 128.5/106

- sign 6.362+/-5.371 χ^2/NDF: 78.8/54

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.911+/-0.007 χ^2/NDF: 1432127.0/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

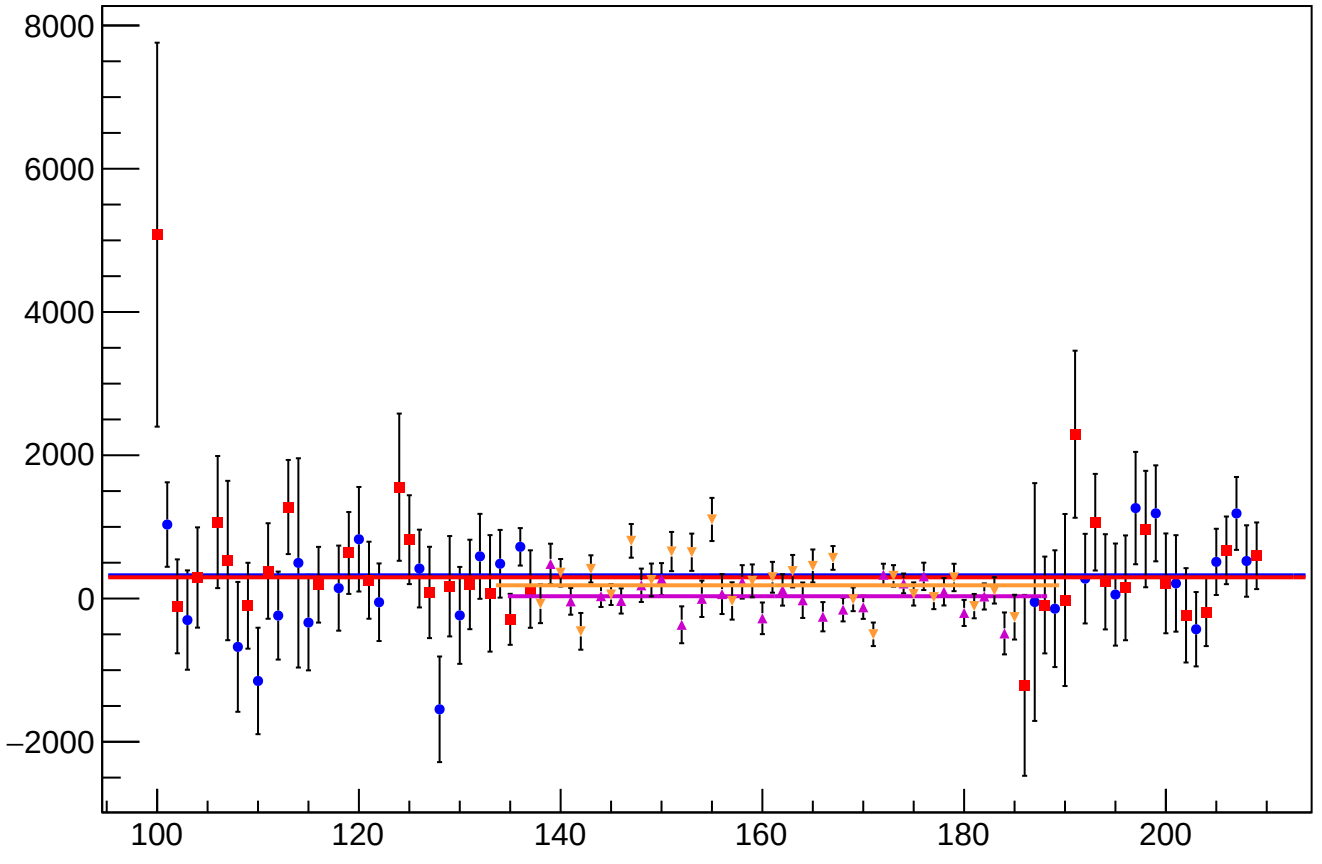
Right Out: 37.829+/-0.007 χ^2/NDF: 2073073.6/31

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.020+/-0.004 χ^2/NDF: 4338158.8/51

All: 30.257+/-0.003 χ^2/NDF: 9216437.8/106

- sign 30.502+/-0.004 χ^2/NDF: 4870090.7/54



Right In: 324.079+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

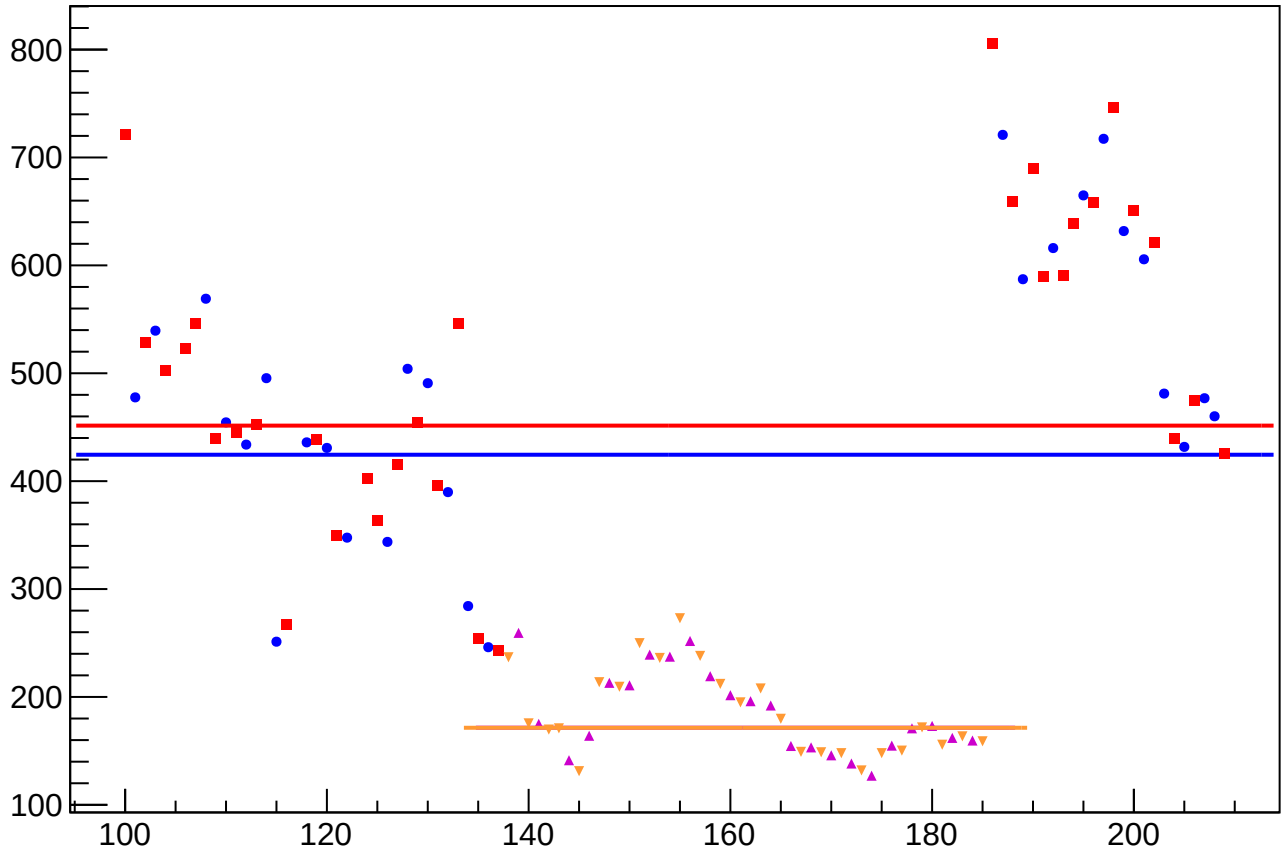
Right Out: 296.098+/-113.698 χ^2/NDF: 22.2/31

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 200.295+/-37.534 χ^2/NDF: 98.1/51

All: 133.117+/-26.892 χ^2/NDF: 158.0/106

- sign 62.261+/-38.548 χ^2/NDF: 53.4/54



Right In: 424.488+/-0.079 χ^2/NDF: 2735585.1/26

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 451.475+/-0.080 χ^2/NDF: 2834775.0/31

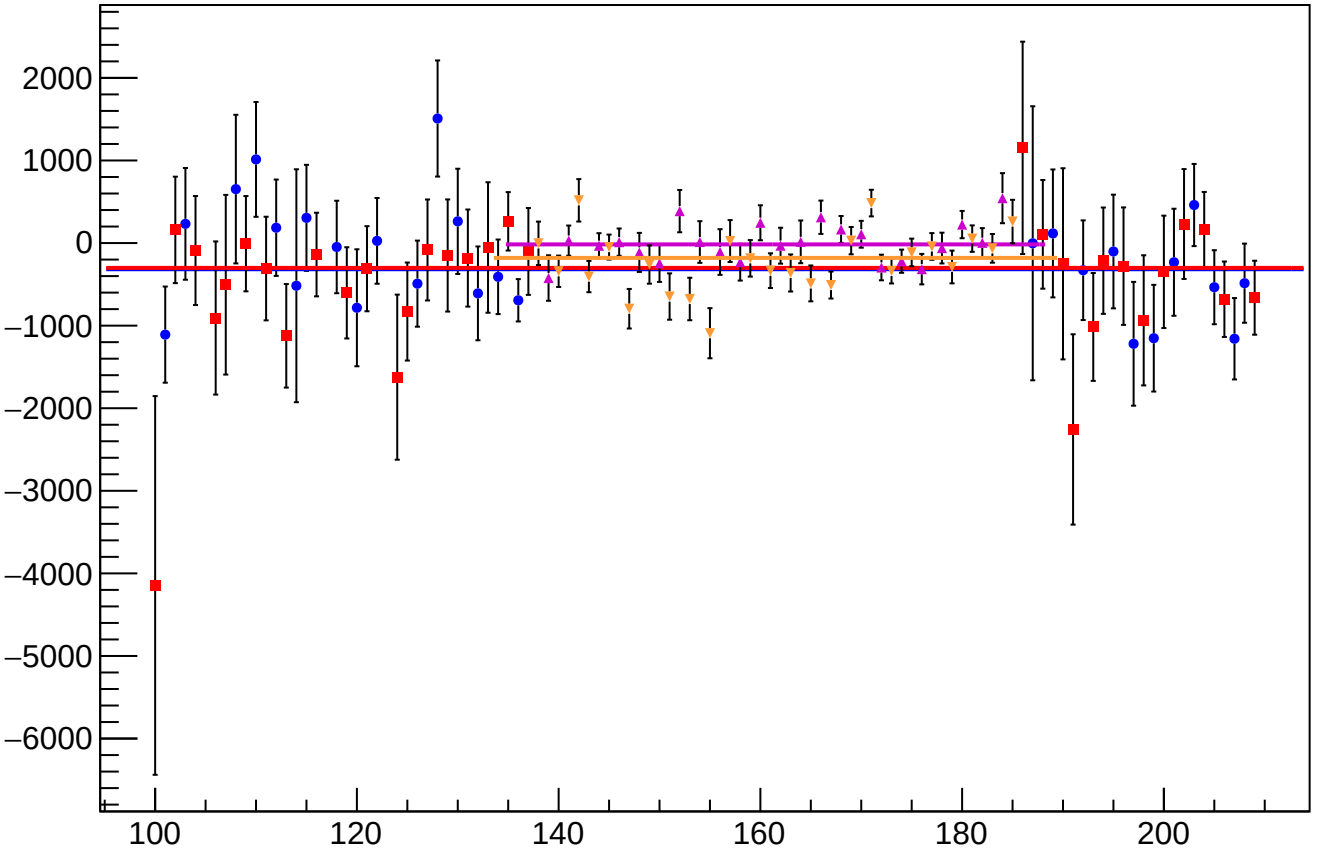
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 199.783+/-0.027 χ^2/NDF: 13308451.4/51

All: 201.676+/-0.019 χ^2/NDF: 28303482.4/10

- sign 203.672+/-0.027 χ^2/NDF: 14984579.9/54

asym_sam_1357_2468_dd_mean vs Slug



Right In: -316.817+/-108.133 χ^2/NDF: 29.6/26

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -300.813+/-110.147 χ^2/NDF: 21.2/31

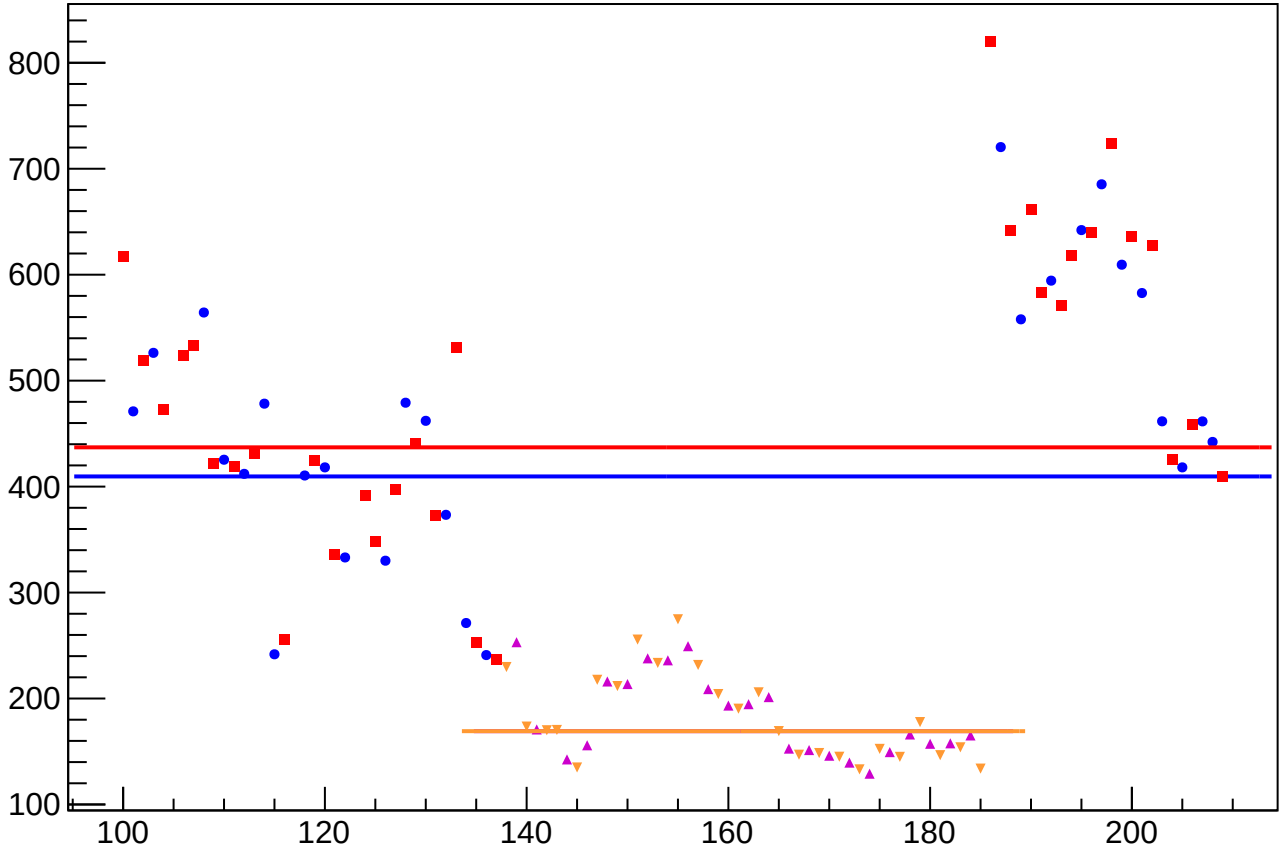
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -195.705+/-36.989 χ^2/NDF: 98.1/51

All: -124.586+/-26.480 χ^2/NDF: 159.4/106

- sign -49.817+/-37.926 χ^2/NDF: 53.7/54

asym_sam_1357_2468_dd_rms vs Slug



Right In: 409.593+/-0.076 χ^2/NDF: 2685440.0/26

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

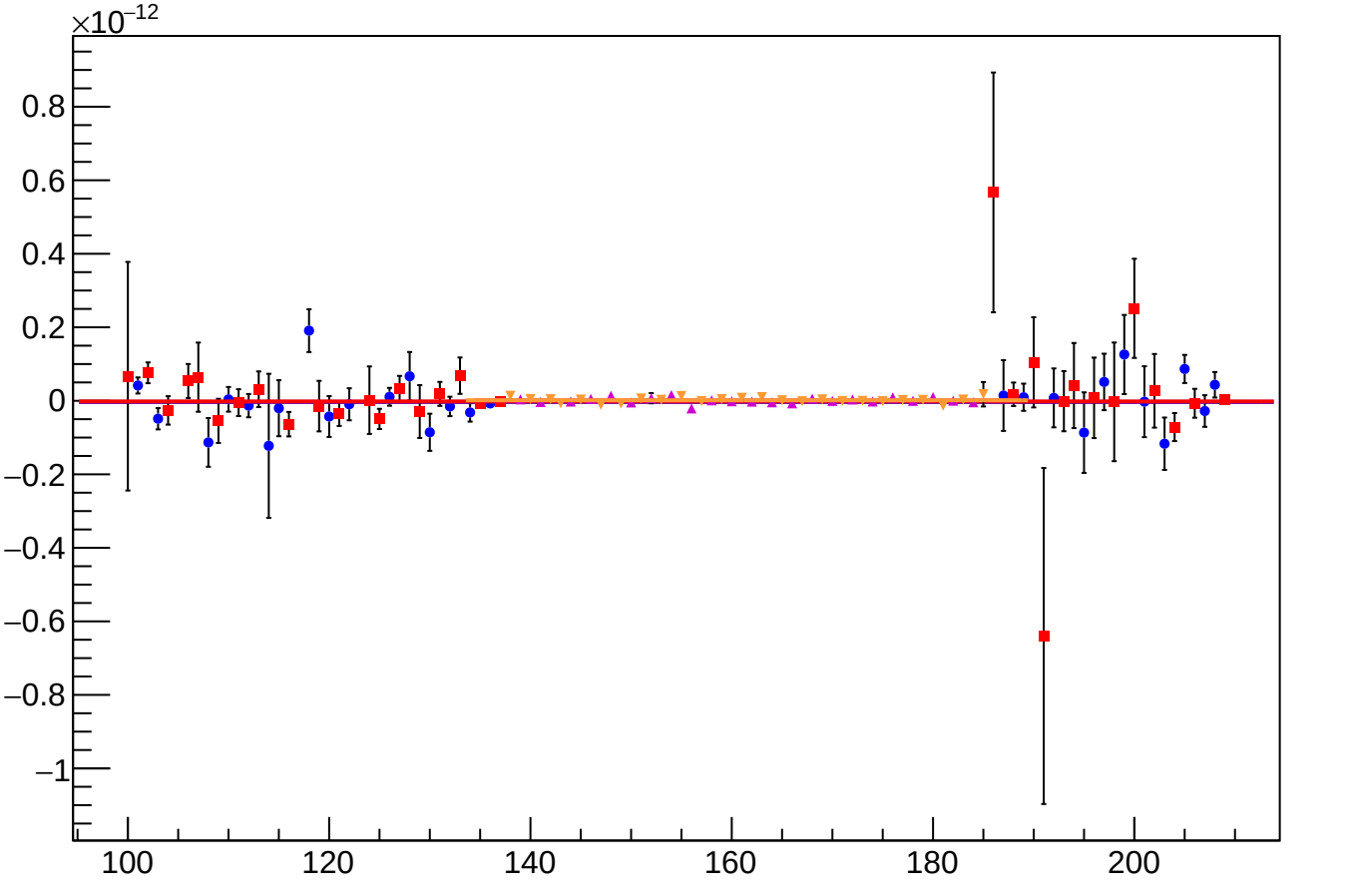
Right Out: 437.050+/-0.078 χ^2/NDF: 2863563.1/31

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 197.312+/-0.026 χ^2/NDF: 12962462.6/51

All: 199.083+/-0.019 χ^2/NDF: 27635527.4/10

- sign 200.944+/-0.027 χ^2/NDF: 14663666.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

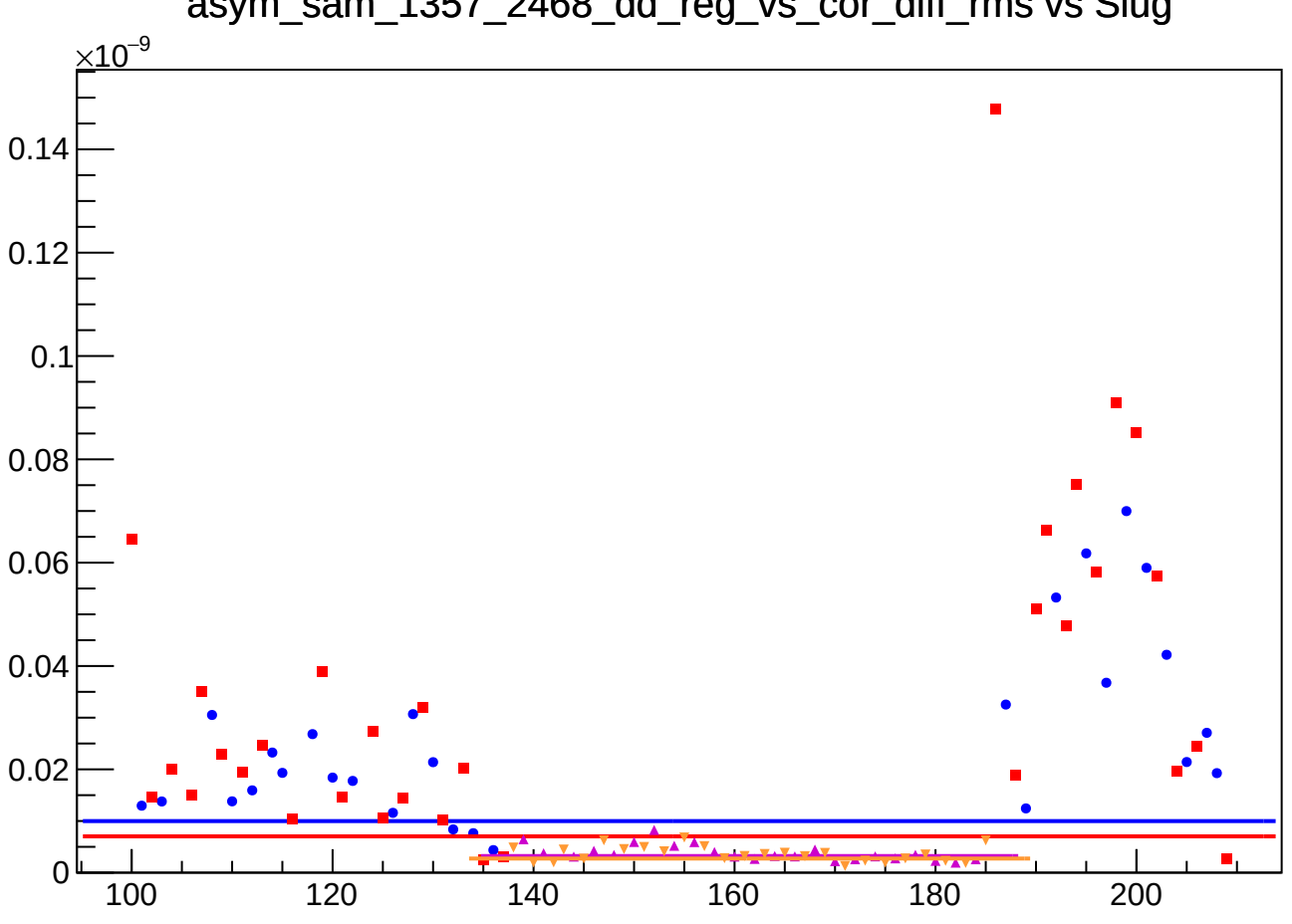
Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/31

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/51

All: 0.000+/-0.000 χ^2/NDF: 116.9/106

- sign 0.000+/-0.000 χ^2/NDF: 57.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 5770771.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

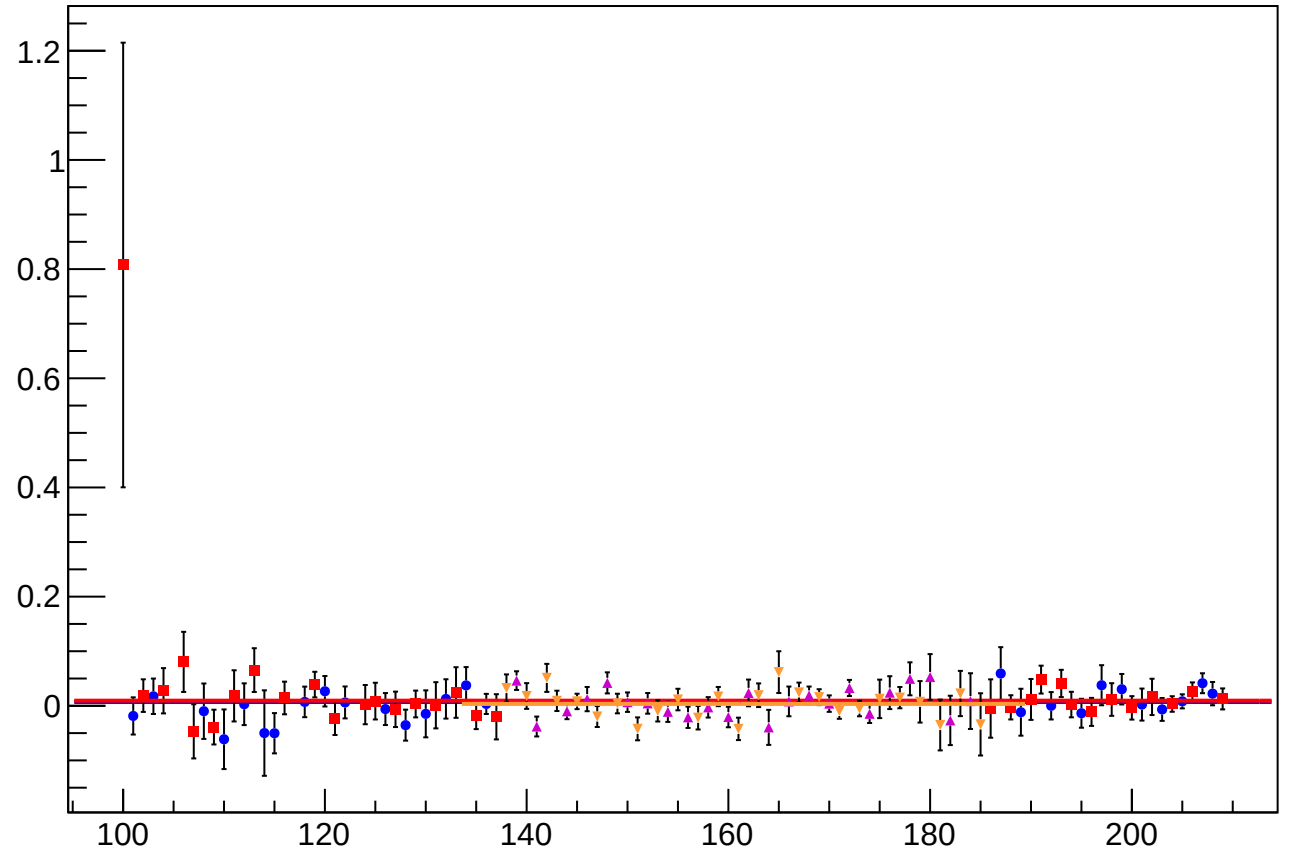
Right Out: 0.000+/-0.000 χ^2/NDF: 8756308.0/31

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11167710.2/51

All: 0.000+/-0.000 χ^2/NDF: 22697745.8/106

- sign 0.000+/-0.000 χ^2/NDF: 11387827.4/54



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

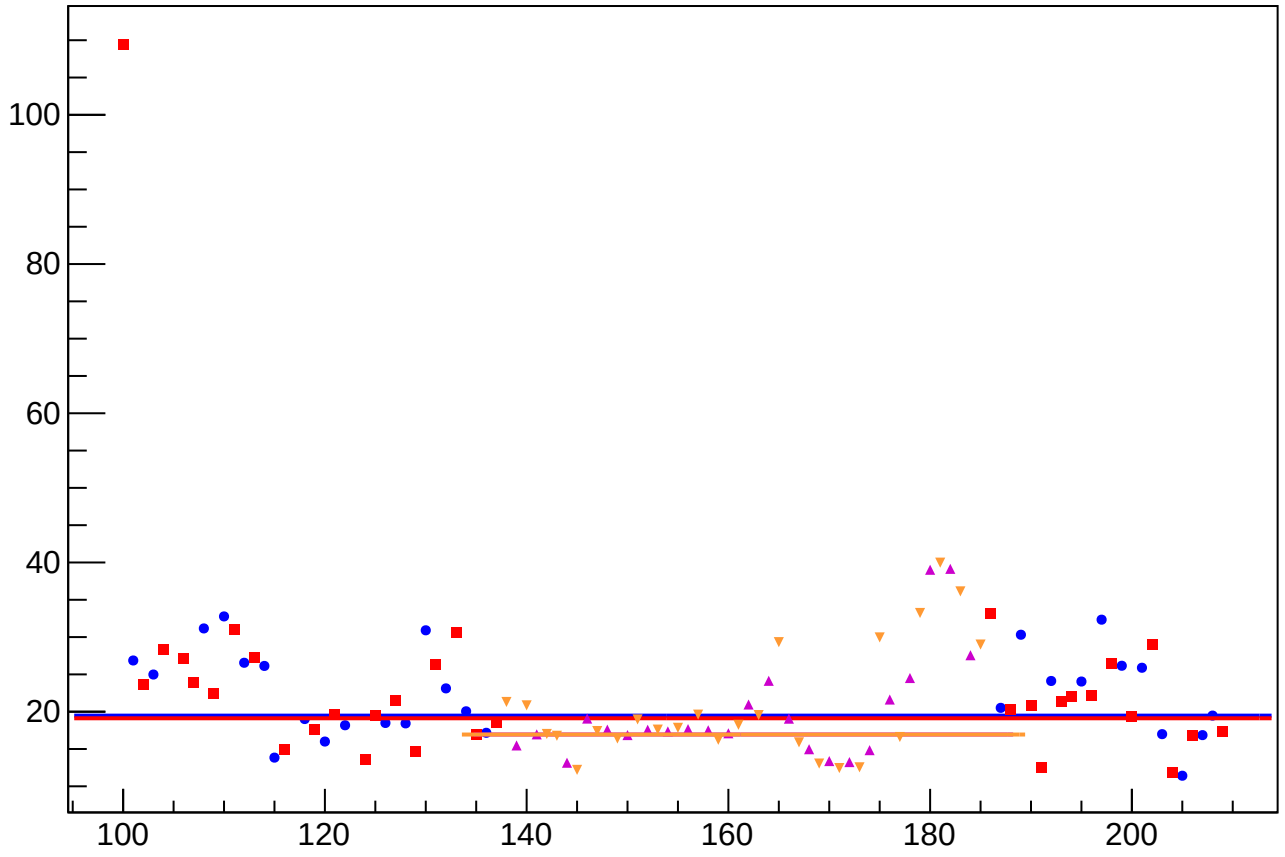
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.3/106

- sign 0.007+/-0.003 χ^2/NDF: 56.5/54



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.116+/-0.003 χ^2/NDF: 2131385.6/31

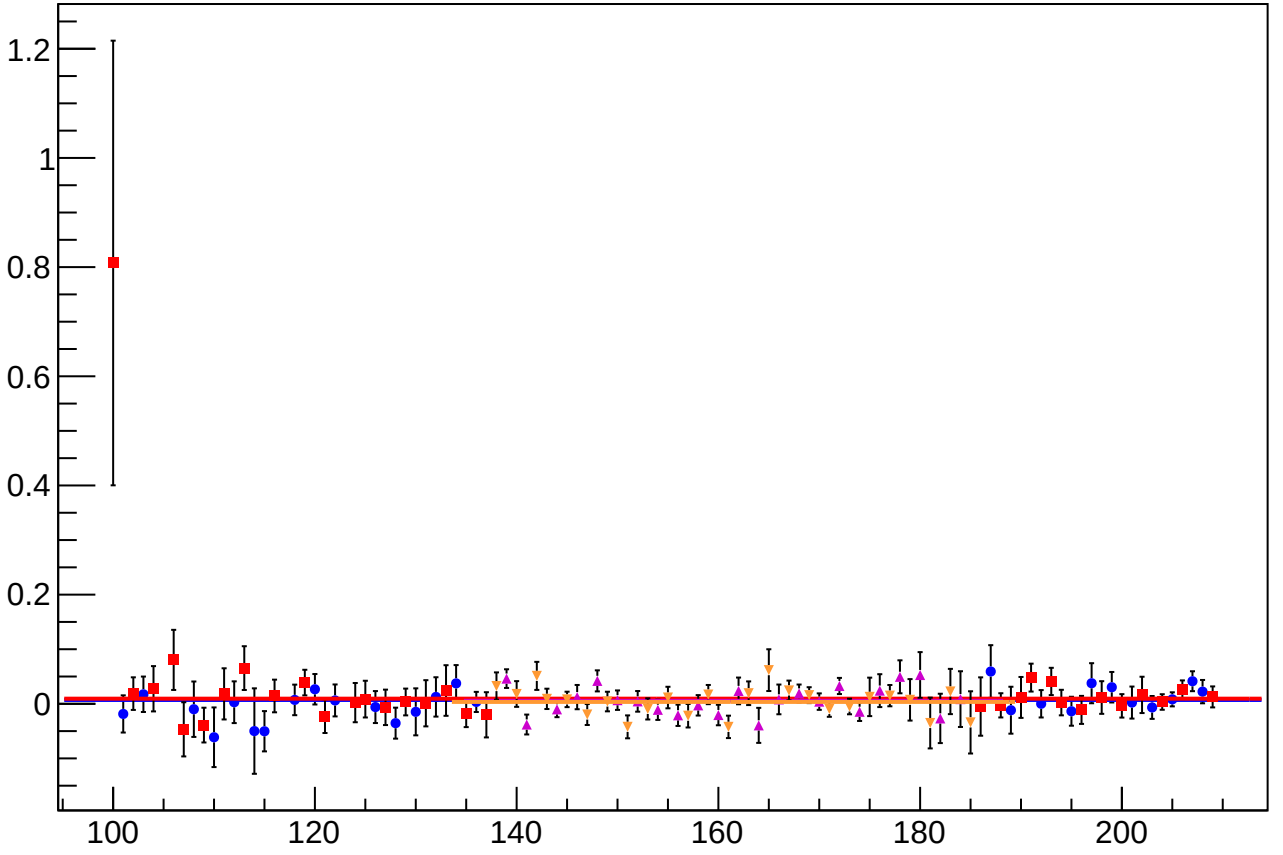
Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.892+/-0.002 χ^2/NDF: 5427030.3/51

All: 17.871+/-0.002 χ^2/NDF: 9725277.9/106

- sign 17.851+/-0.002 χ^2/NDF: 4298089.7/54

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

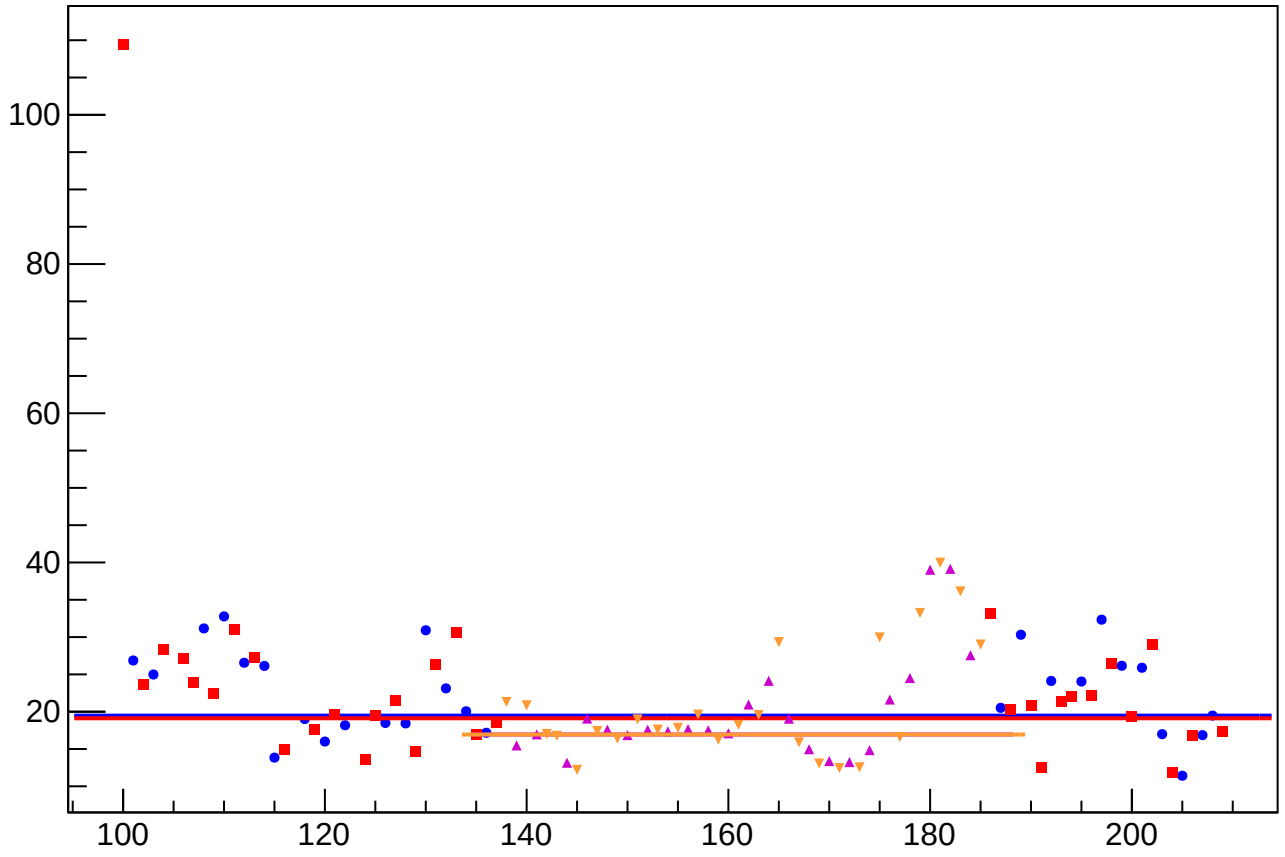
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.3/106

- sign 0.007+/-0.003 χ^2/NDF: 56.5/54



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

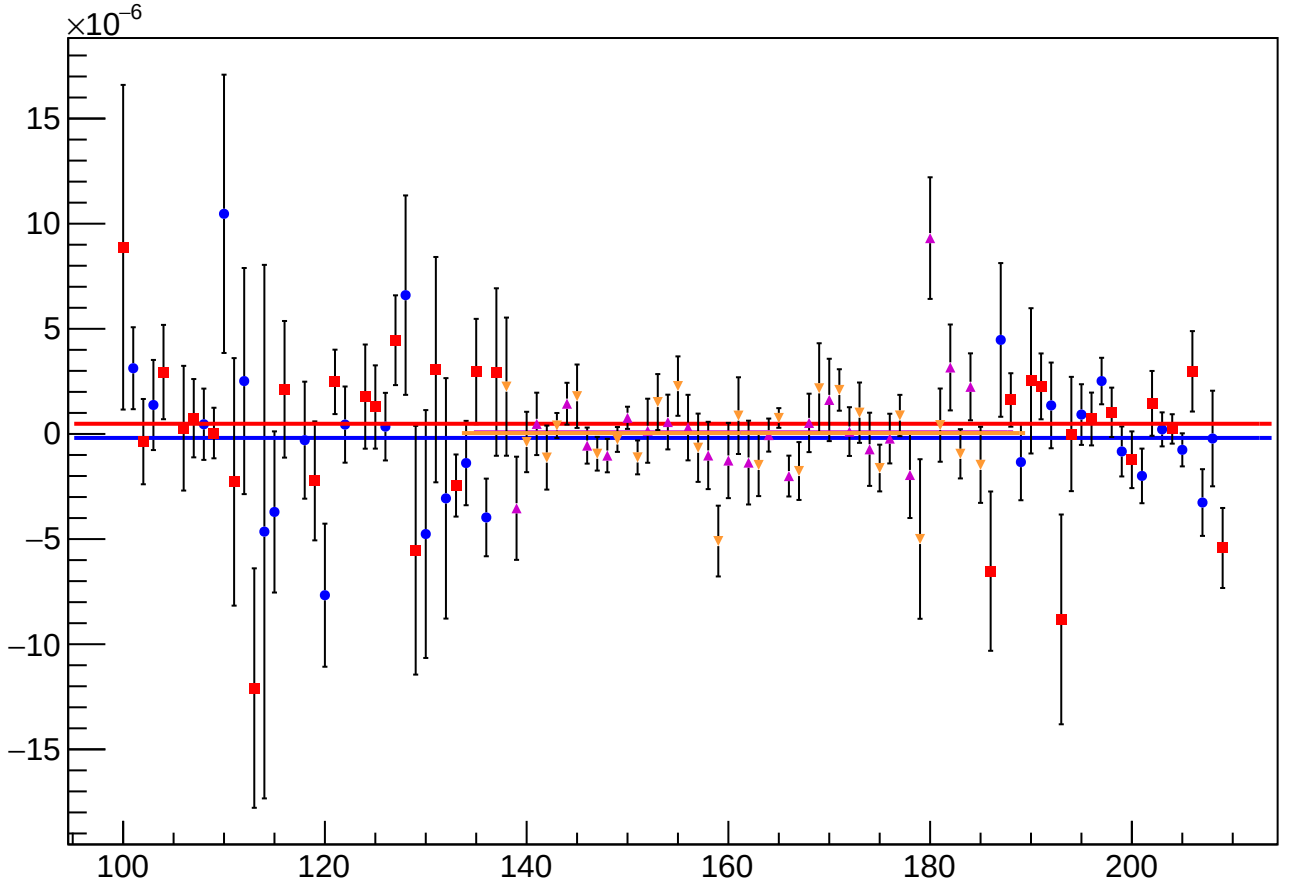
Right Out: 19.116+/-0.003 χ^2/NDF: 2131385.6/31

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.892+/-0.002 χ^2/NDF: 5427030.3/51

All: 17.871+/-0.002 χ^2/NDF: 9725277.9/106

\- sign 17.851+/-0.002 χ^2/NDF: 4298089.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

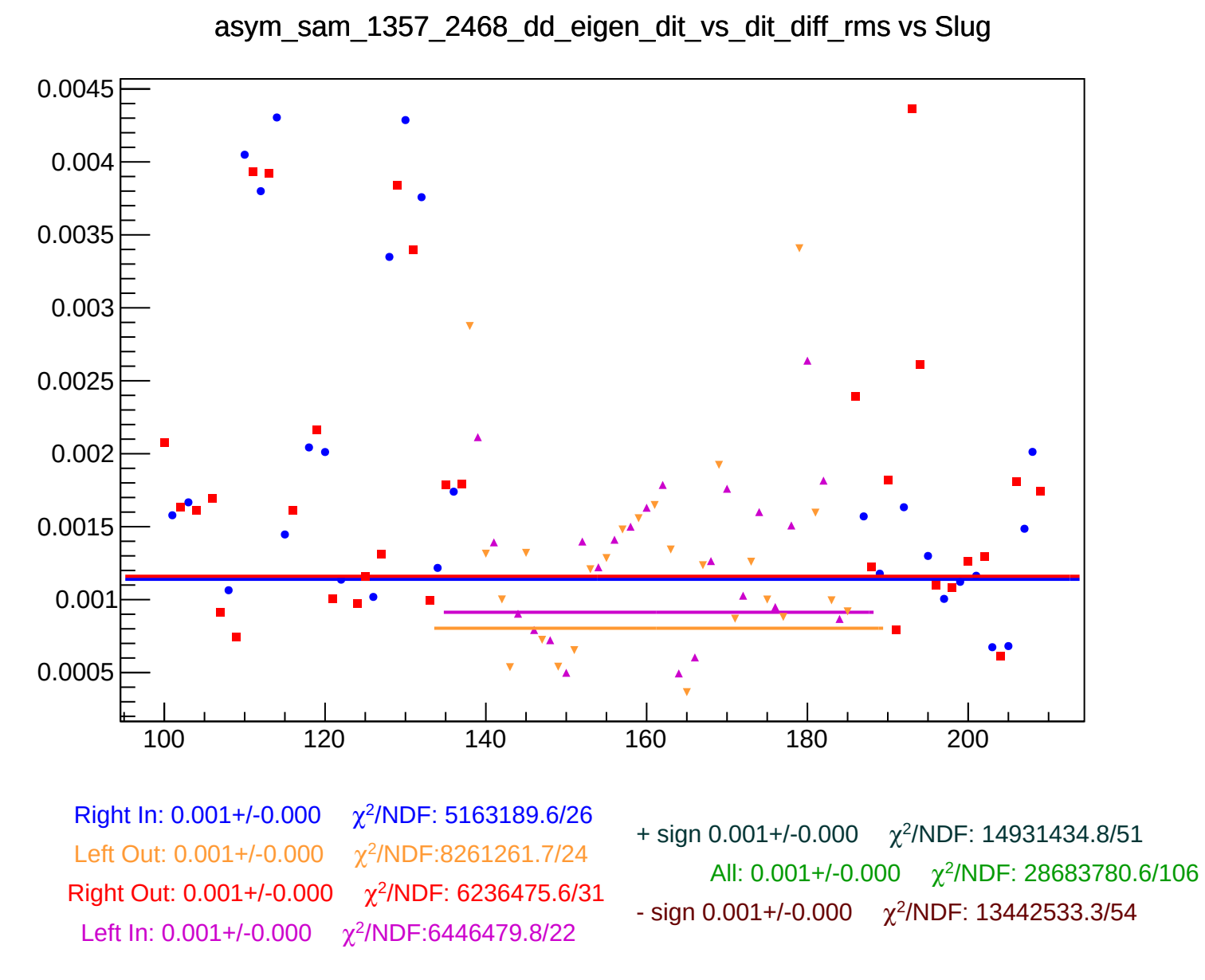
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/31

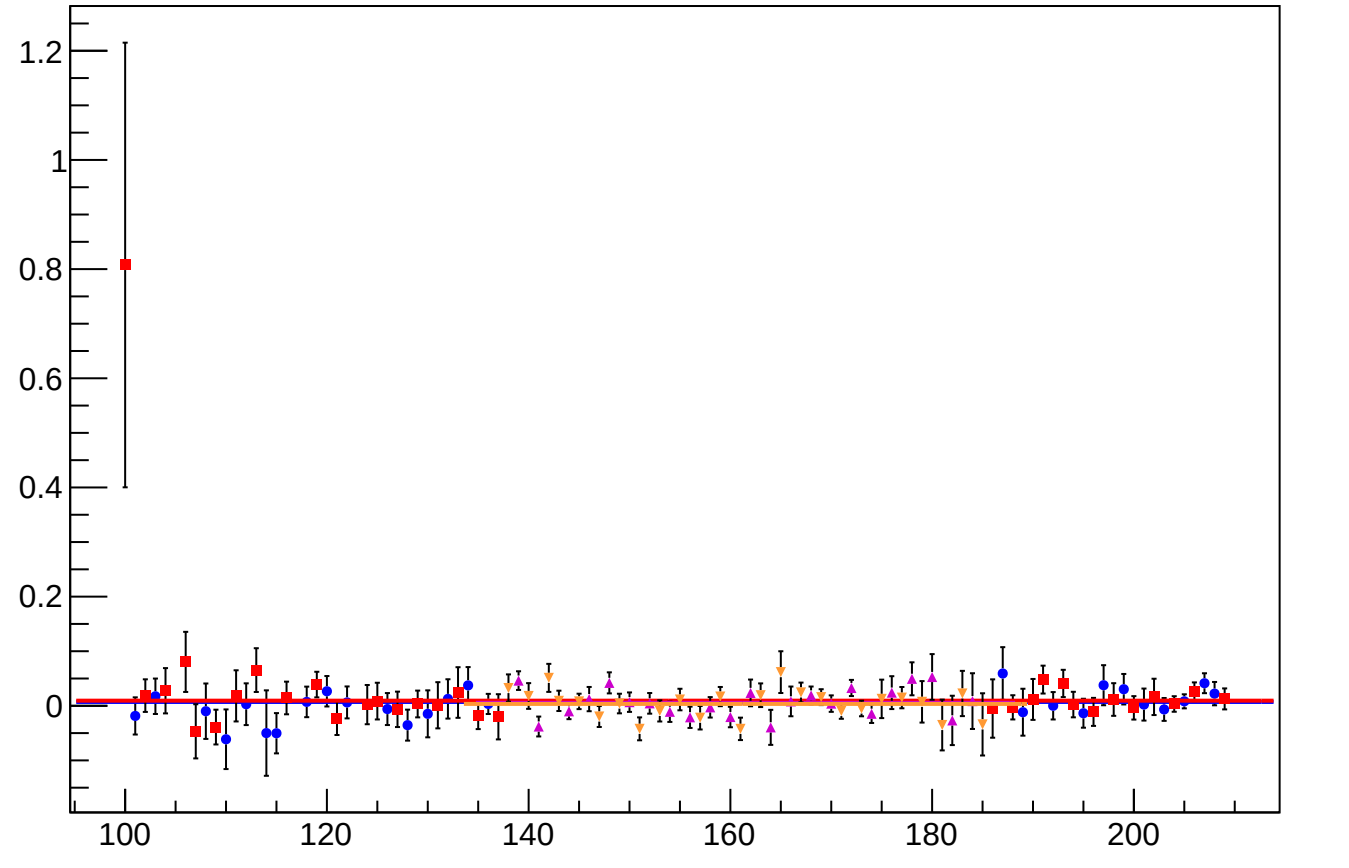
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.4/51

All: 0.000+/-0.000 χ^2/NDF: 150.5/106

- sign 0.000+/-0.000 χ^2/NDF: 76.2/54


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: 5163189.6/26
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 6236475.6/31
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 14931434.8/51
All: 0.001+/-0.000 χ²/NDF: 28683780.6/106
- sign 0.001+/-0.000 χ²/NDF: 13442533.3/54



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

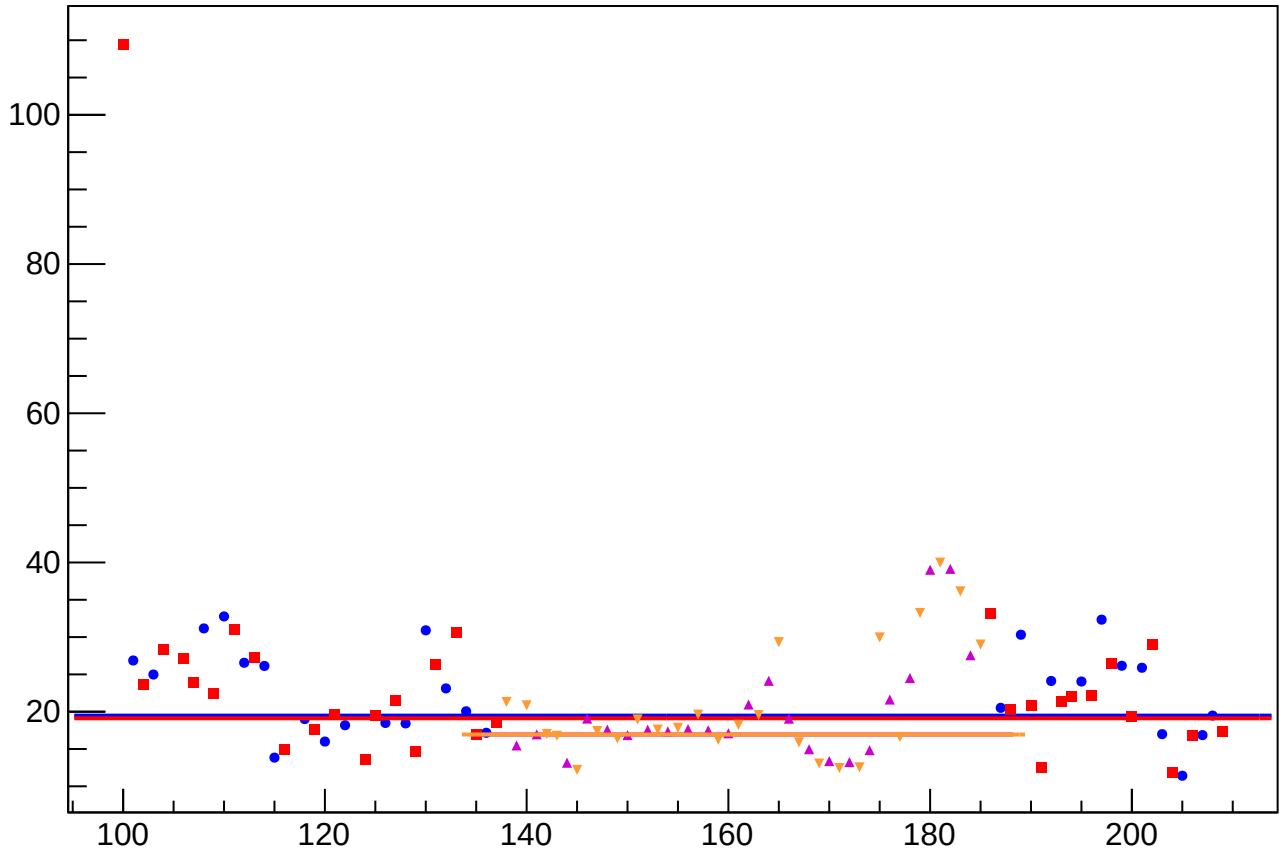
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.3/106

- sign 0.007+/-0.003 χ^2/NDF: 56.5/54



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

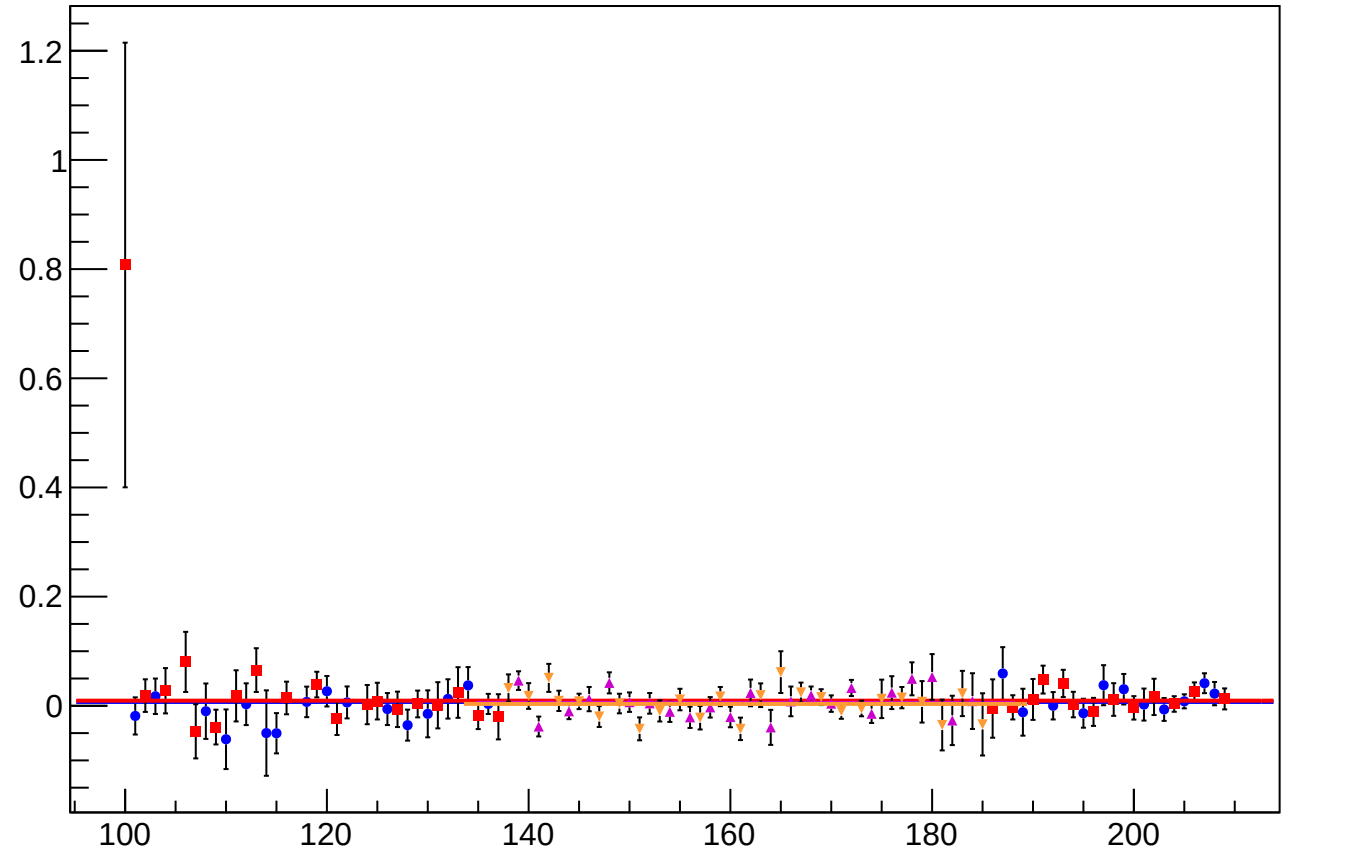
Right Out: 19.116+/-0.003 χ^2/NDF: 2131409.4/31

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.892+/-0.002 χ^2/NDF: 5426919.0/51

All: 17.871+/-0.002 χ^2/NDF: 9725132.6/106

- sign 17.851+/-0.002 χ^2/NDF: 4298055.7/54



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

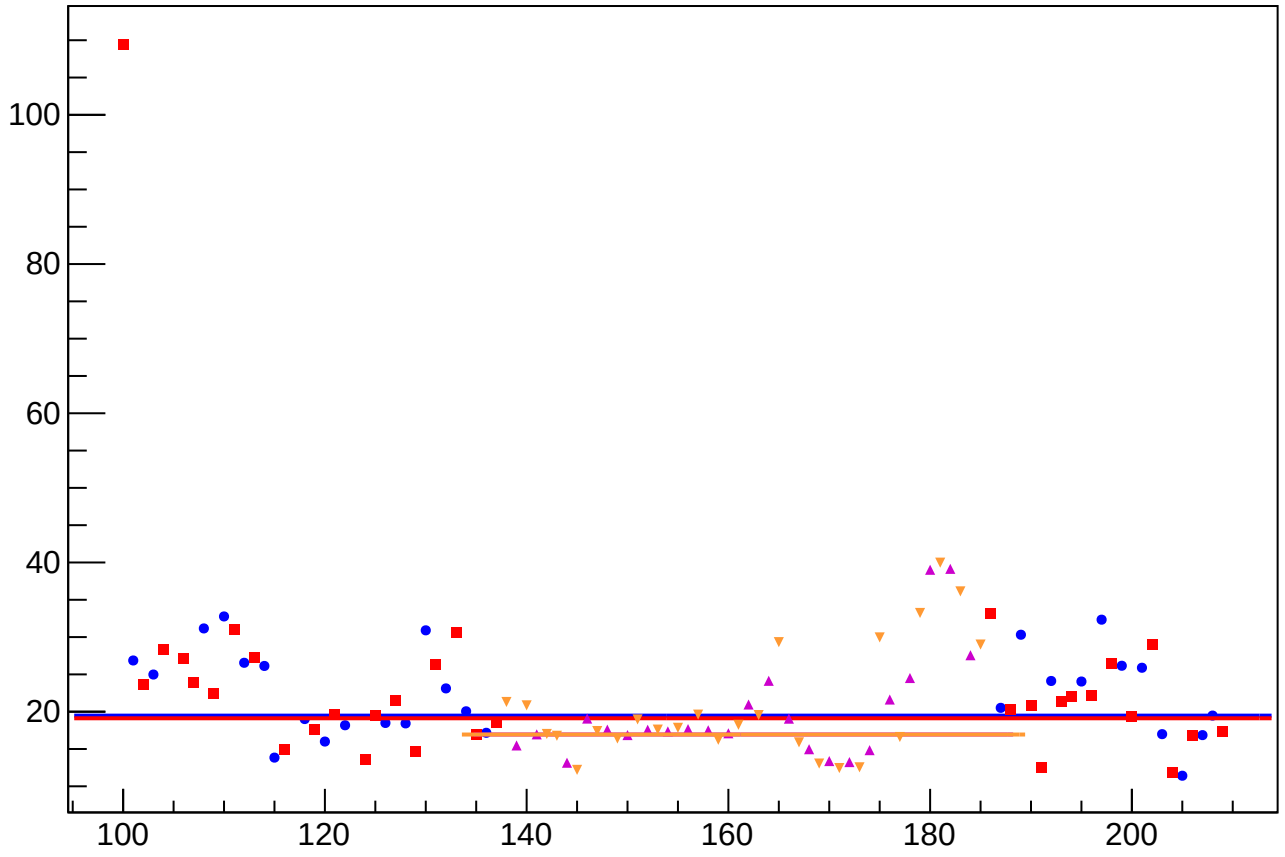
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.005+/-0.003 χ^2/NDF: 44.6/51

All: 0.006+/-0.002 χ^2/NDF: 101.3/106

- sign 0.007+/-0.003 χ^2/NDF: 56.5/54



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

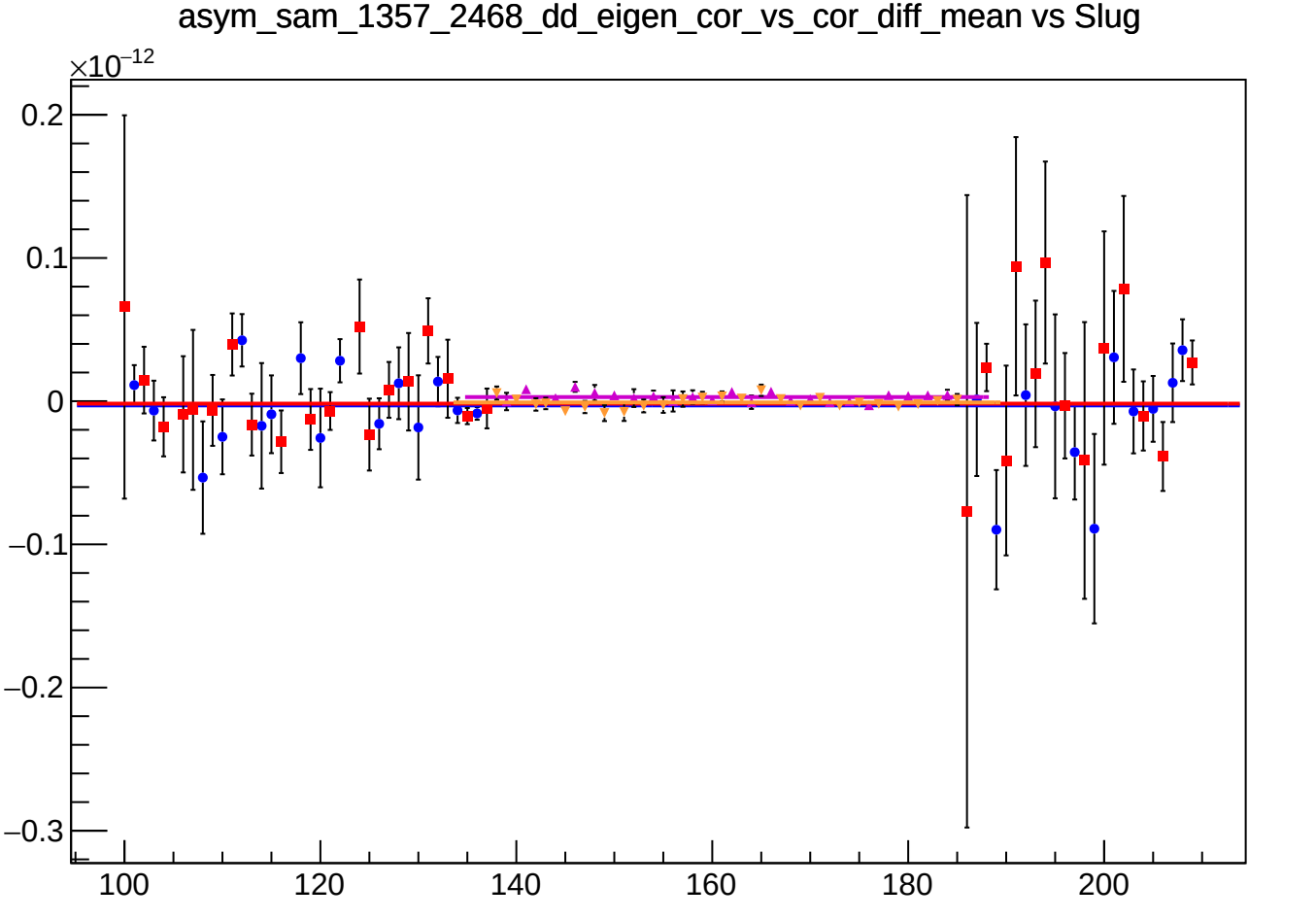
Right Out: 19.116+/-0.003 χ^2/NDF: 2131409.4/31

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.892+/-0.002 χ^2/NDF: 5426919.0/51

All: 17.871+/-0.002 χ^2/NDF: 9725132.6/106

- sign 17.851+/-0.002 χ^2/NDF: 4298055.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

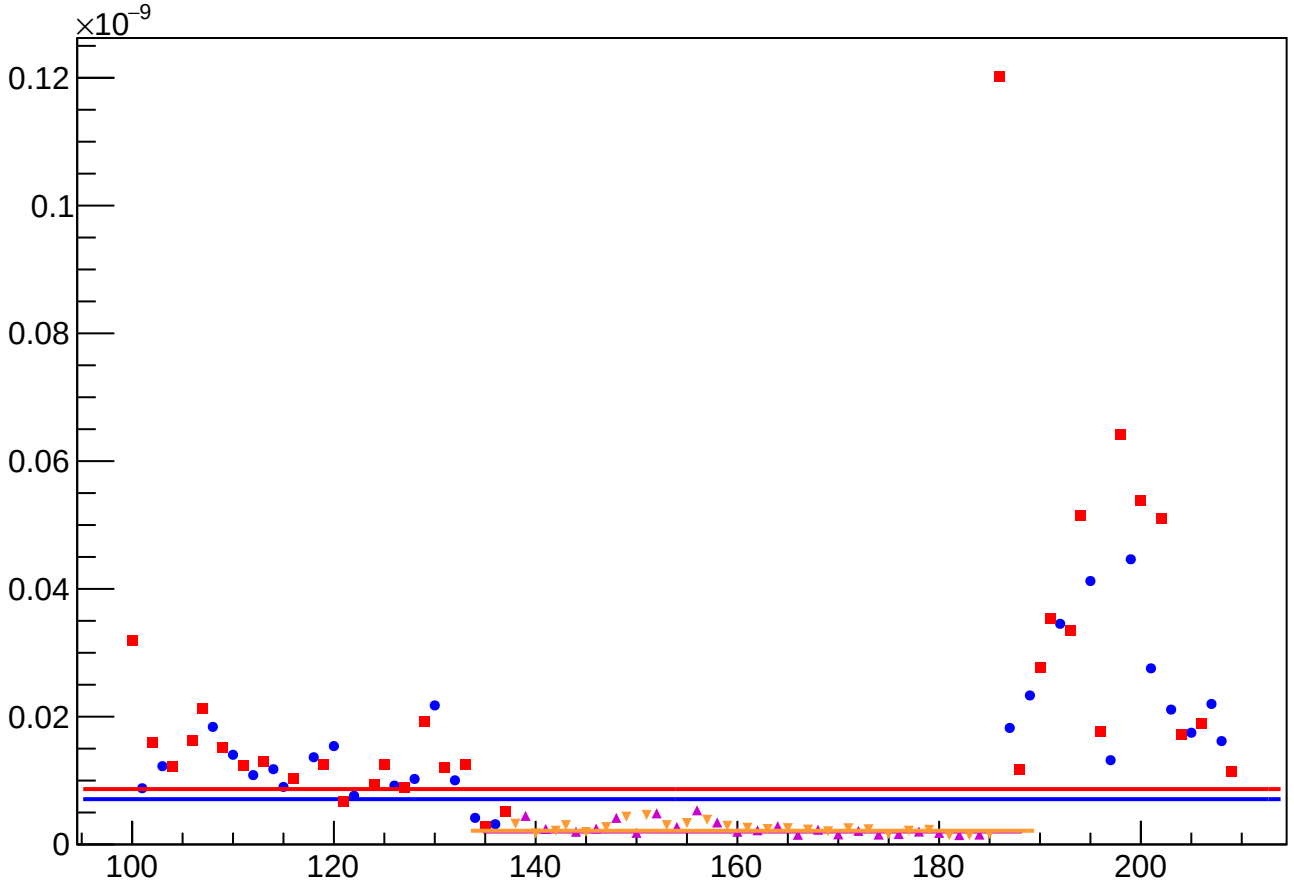
Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/31

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/51

All: 0.000+/-0.000 χ^2/NDF: 130.3/106

- sign 0.000+/-0.000 χ^2/NDF: 57.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 7562377.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8532500.1/31

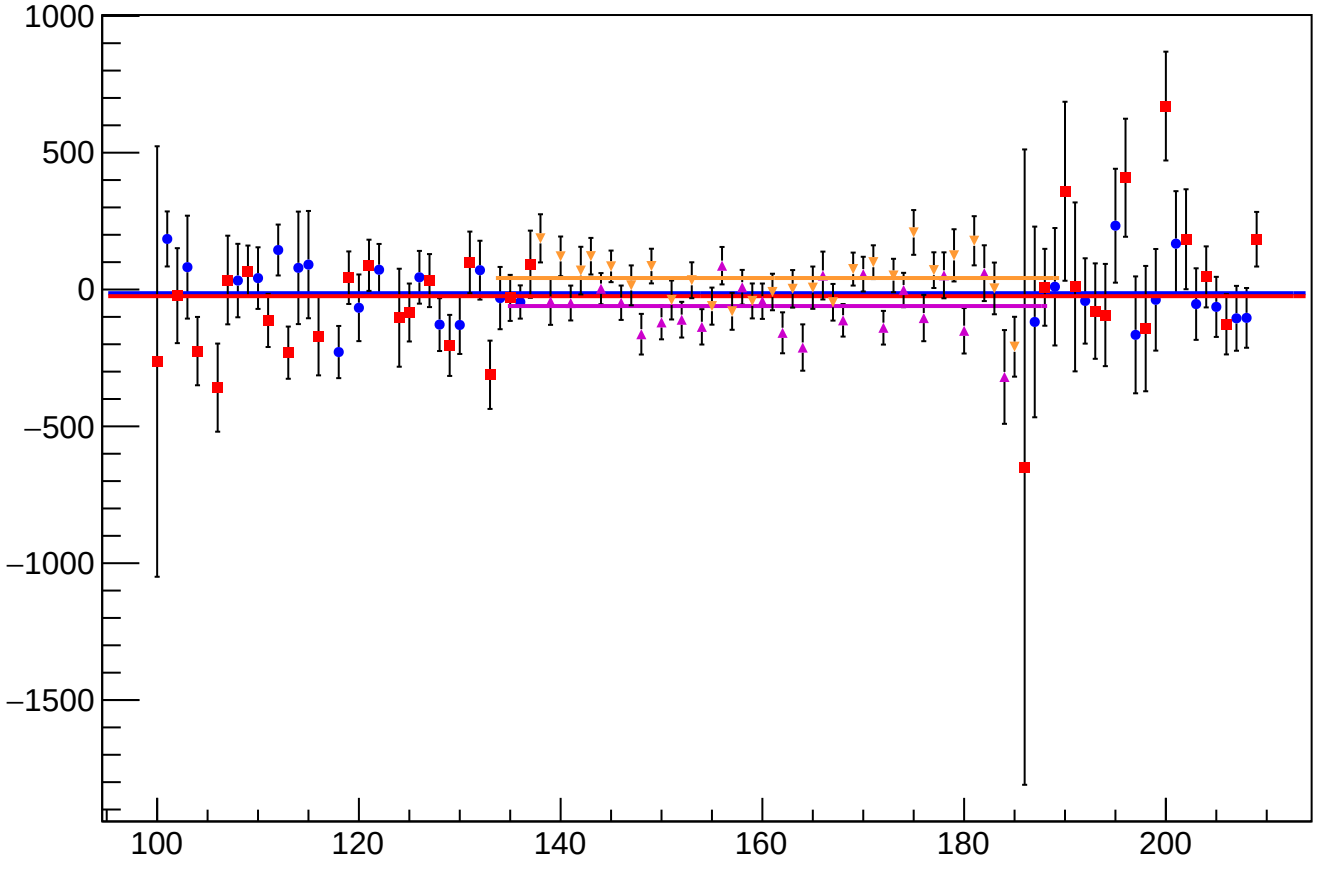
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14620111.1/51

All: 0.000+/-0.000 χ^2/NDF: 32448342.9/106

- sign 0.000+/-0.000 χ^2/NDF: 17793579.5/54

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -13.432+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -24.336+/-22.770 χ^2/NDF: 52.9/31

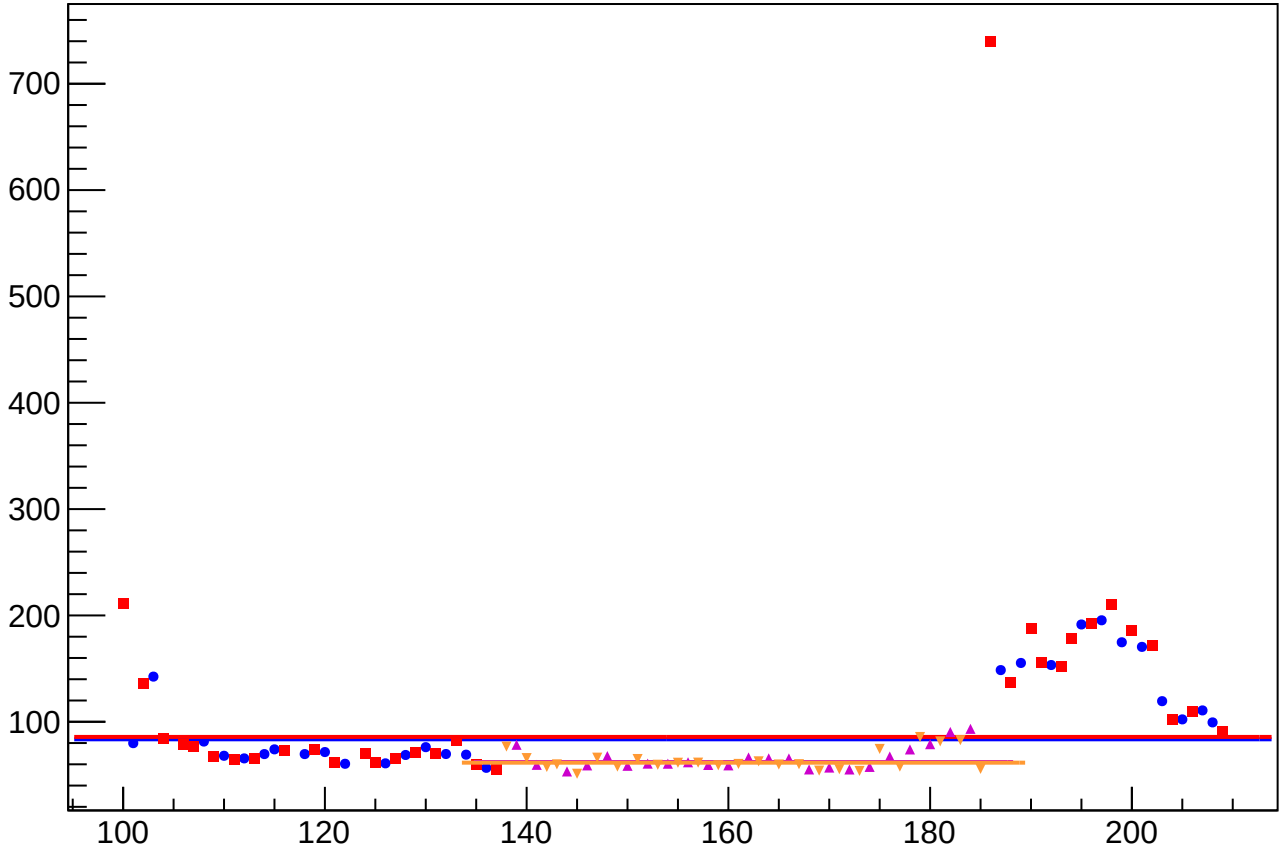
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.543+/-12.041 χ^2/NDF: 58.7/51

All: -10.618+/-8.624 χ^2/NDF: 165.1/106

- sign -49.760+/-12.358 χ^2/NDF: 86.8/54

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF: 4160897.6/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 85.749+/-0.016 χ^2/NDF: 5408840.9/31

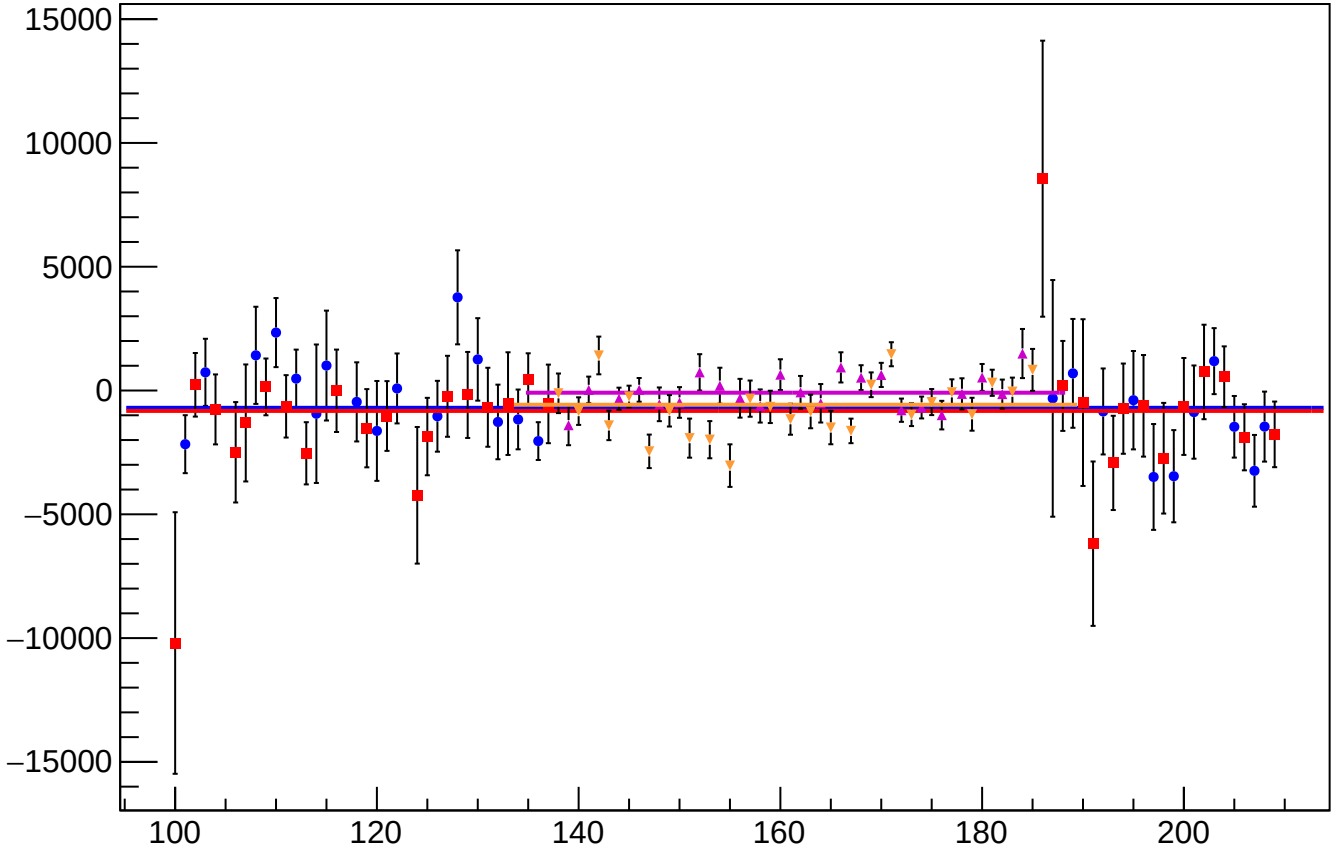
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF: 6137588.7/51

All: 68.367+/-0.006 χ^2/NDF: 13673022.7/106

- sign 69.098+/-0.009 χ^2/NDF: 7521796.0/54

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -698.764+/-288.370 χ^2/NDF: 31.2/26

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -824.044+/-290.066 χ^2/NDF: 22.2/31

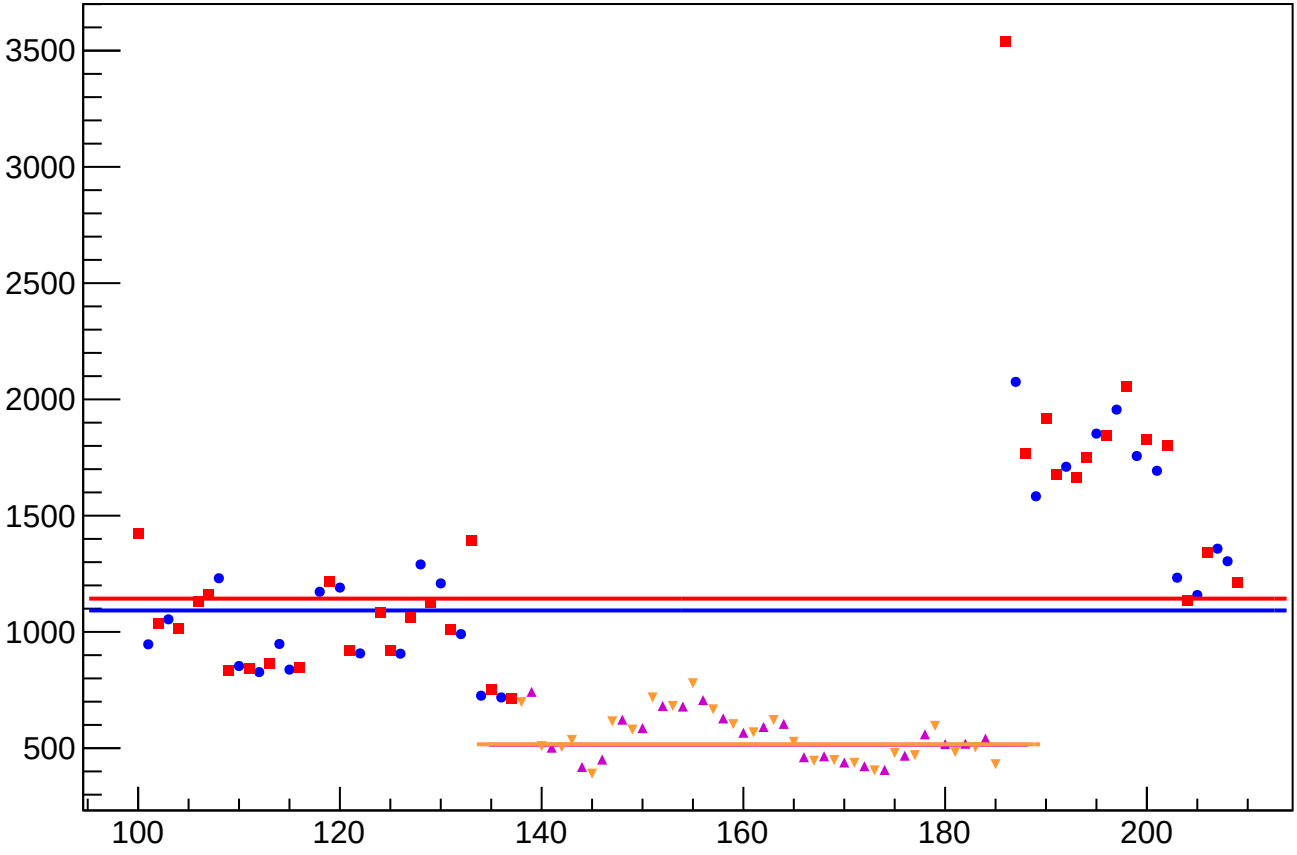
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -593.044+/-110.583 χ^2/NDF: 100.2/51

All: -400.340+/-78.981 χ^2/NDF: 158.6/106

- sign -199.677+/-112.843 χ^2/NDF: 52.2/54

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1092.294+/-0.204 χ^2/NDF: 2674494.6/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1143.215+/-0.205 χ^2/NDF: 3261836.8/31

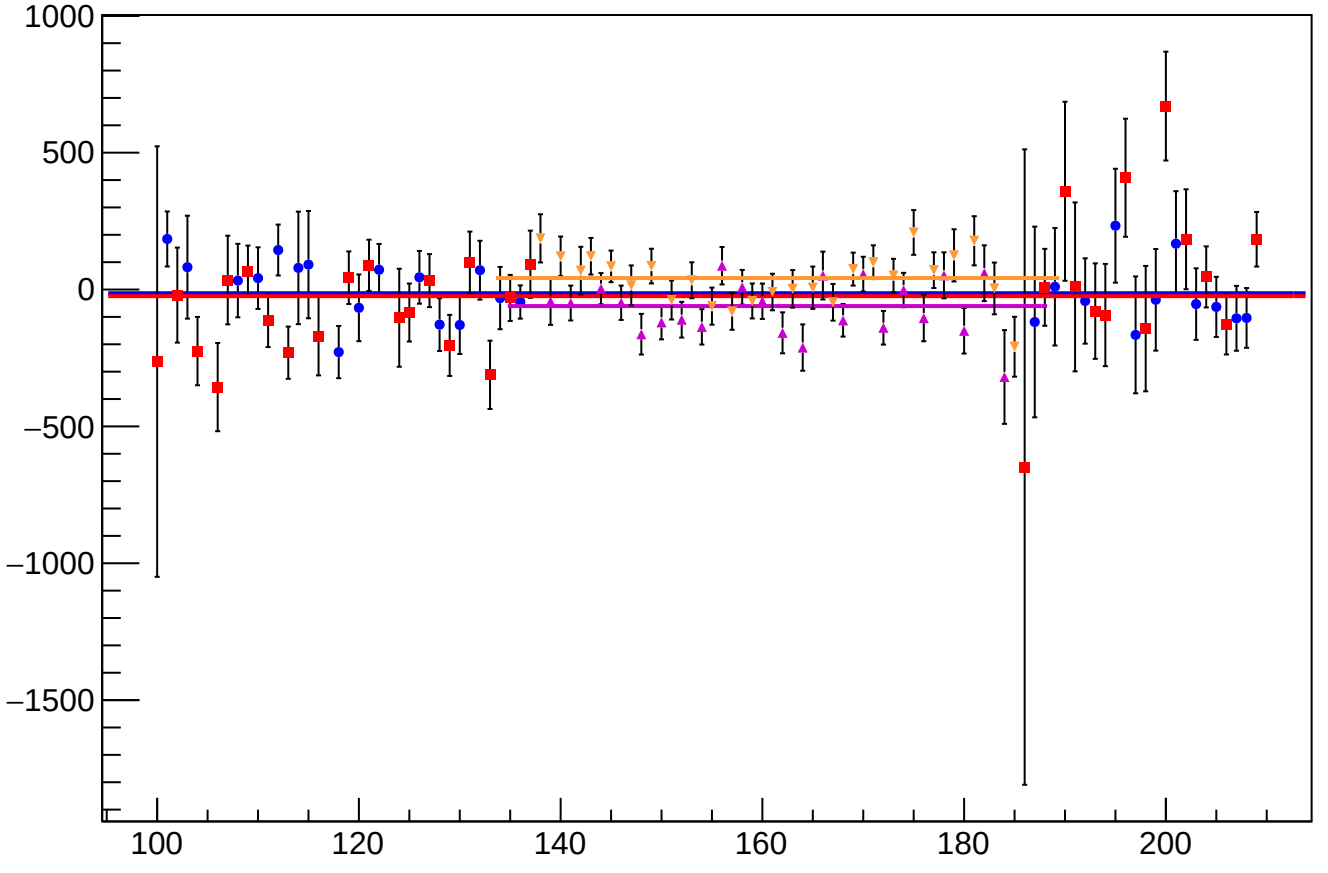
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 601.287+/-0.078 χ^2/NDF: 10737659.5/51

All: 605.501+/-0.056 χ^2/NDF: 23092738.1/10

- sign 609.889+/-0.080 χ^2/NDF: 12349150.7/54

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -24.244+/-22.770 χ^2/NDF: 52.8/31

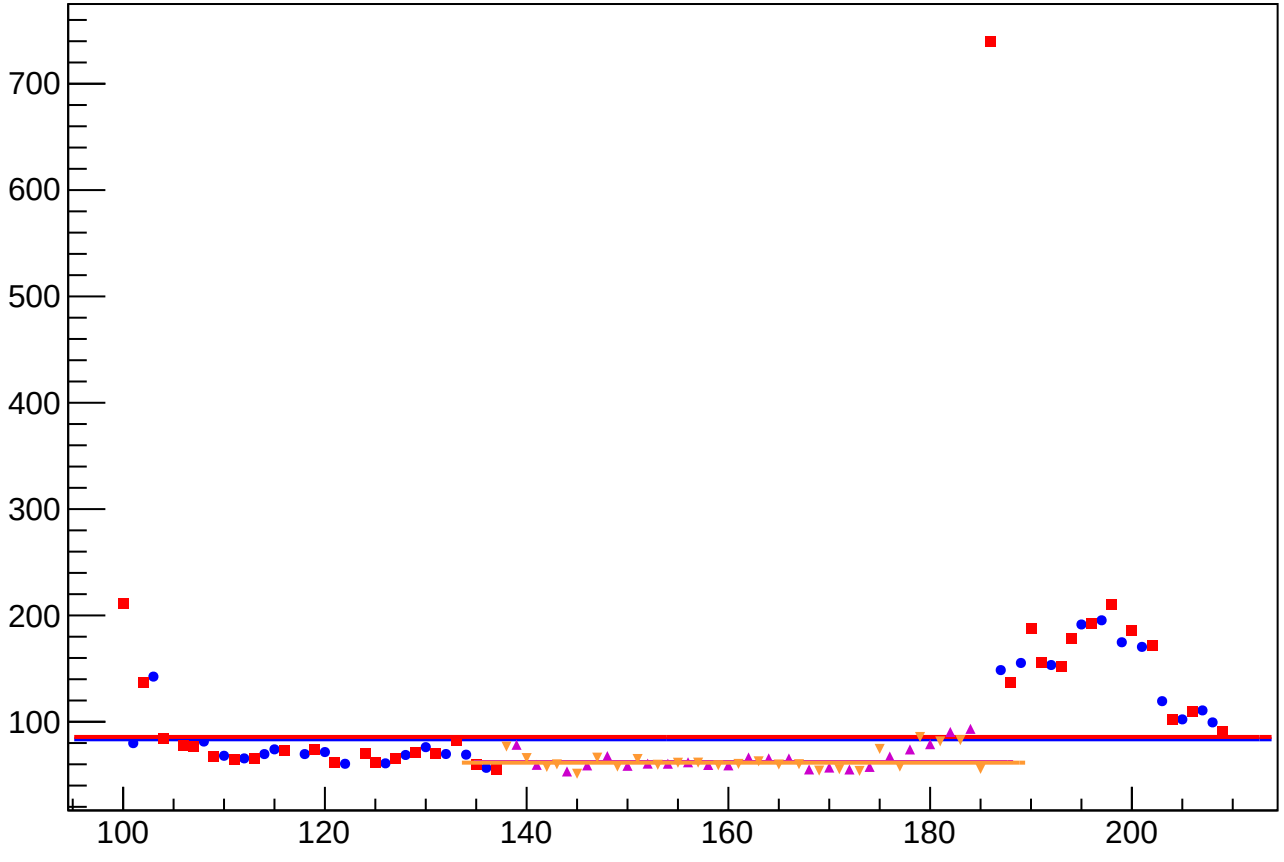
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.544+/-12.041 χ^2/NDF: 58.7/51

All: -10.604+/-8.624 χ^2/NDF: 165.0/106

- sign -49.733+/-12.358 χ^2/NDF: 86.8/54

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

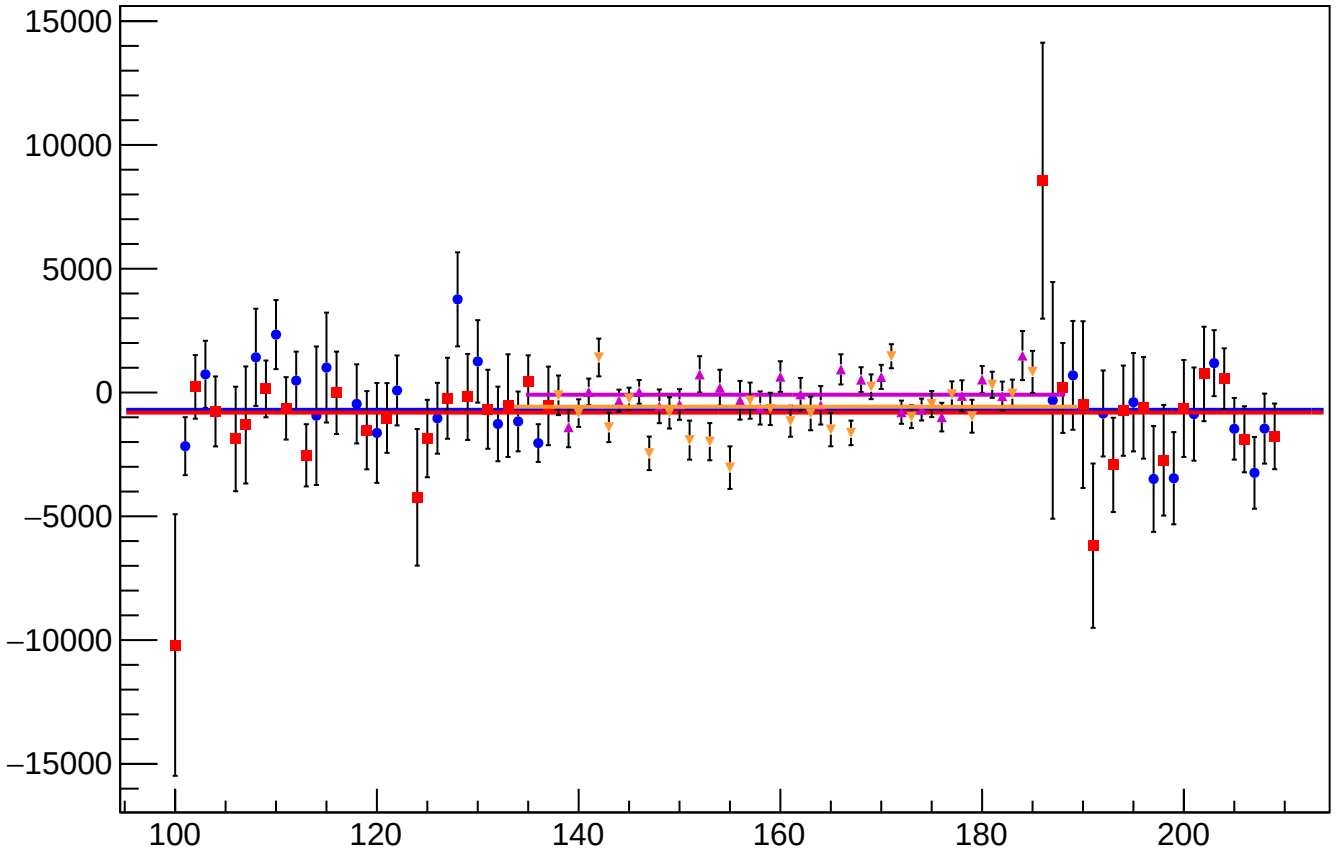
Right Out: 85.736+/-0.016 χ^2/NDF: 5409950.7/31

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF: 6137591.8/51

All: 68.365+/-0.006 χ^2/NDF: 13672272.7/106

- sign 69.093+/-0.009 χ^2/NDF: 7521124.0/54



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -810.015+/-290.308 χ^2/NDF: 21.7/31

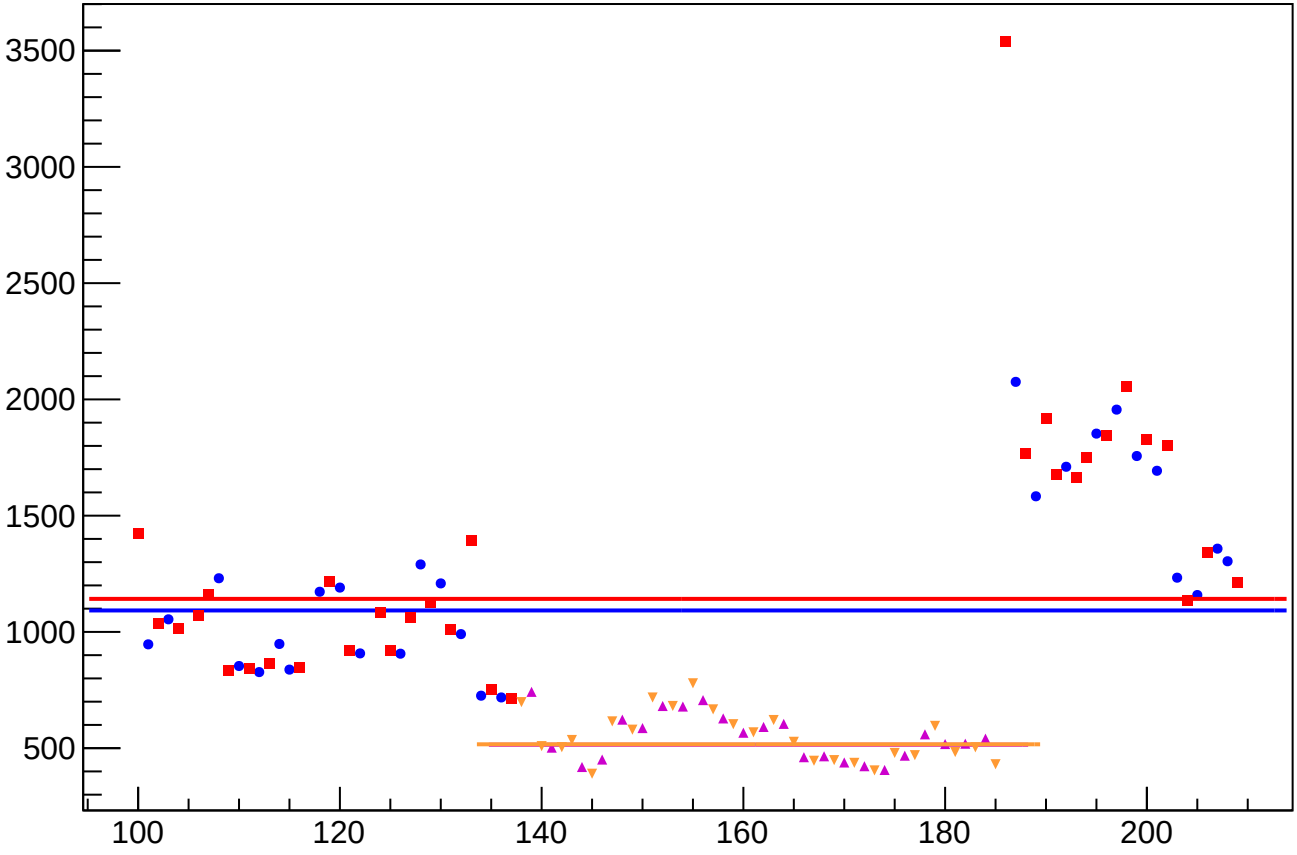
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -593.036+/-110.583 χ^2/NDF: 100.2/51

All: -399.245+/-78.986 χ^2/NDF: 158.0/106

- sign -197.399+/-112.857 χ^2/NDF: 51.6/54

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1142.094+/-0.205 χ^2/NDF: 3263970.4/31

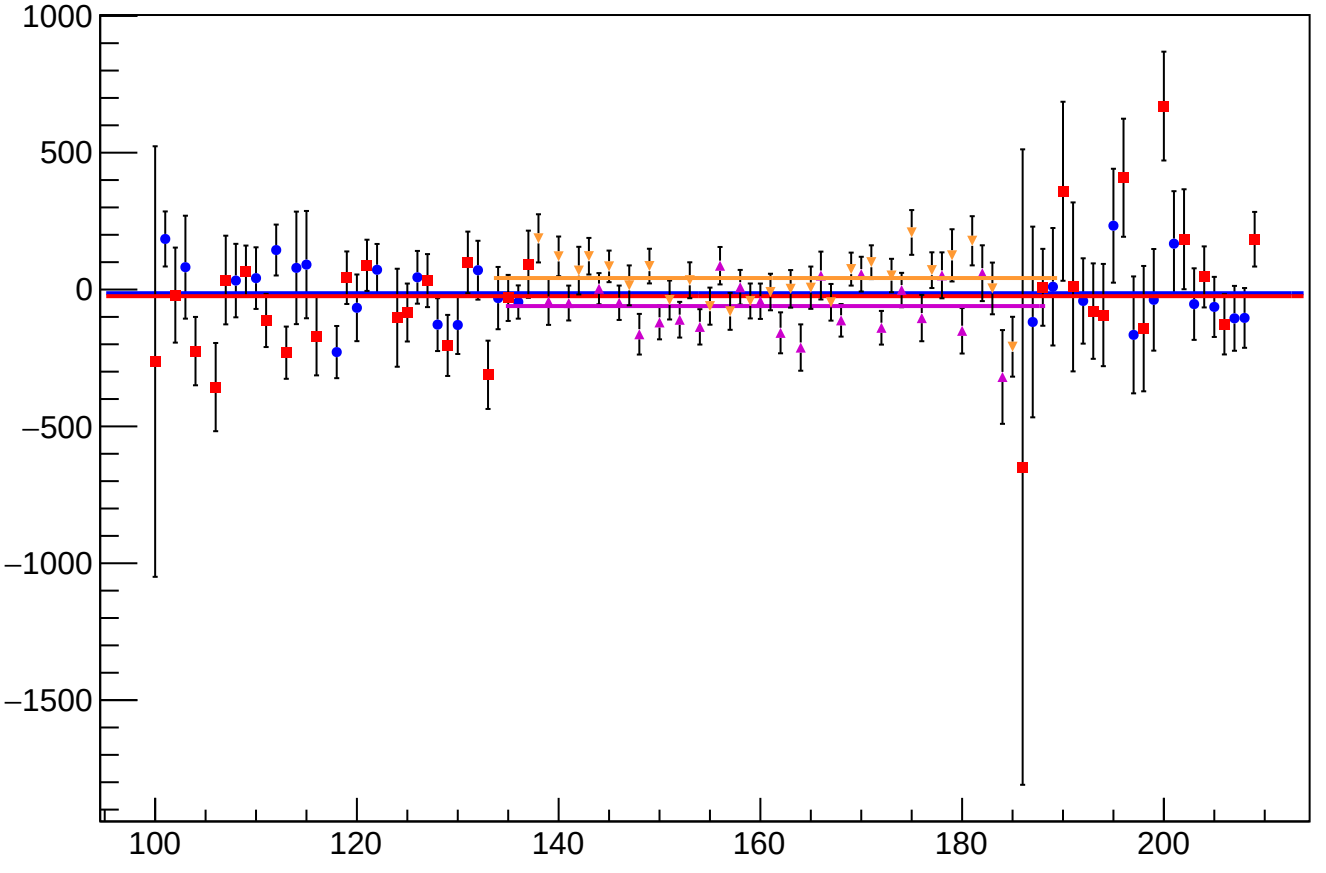
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 601.287+/-0.078 χ^2/NDF: 10737712.2/51

All: 605.352+/-0.056 χ^2/NDF: 23054915.5/10

- sign 609.585+/-0.080 χ^2/NDF: 12311686.8/54

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -24.244+/-22.770 χ^2/NDF: 52.8/31

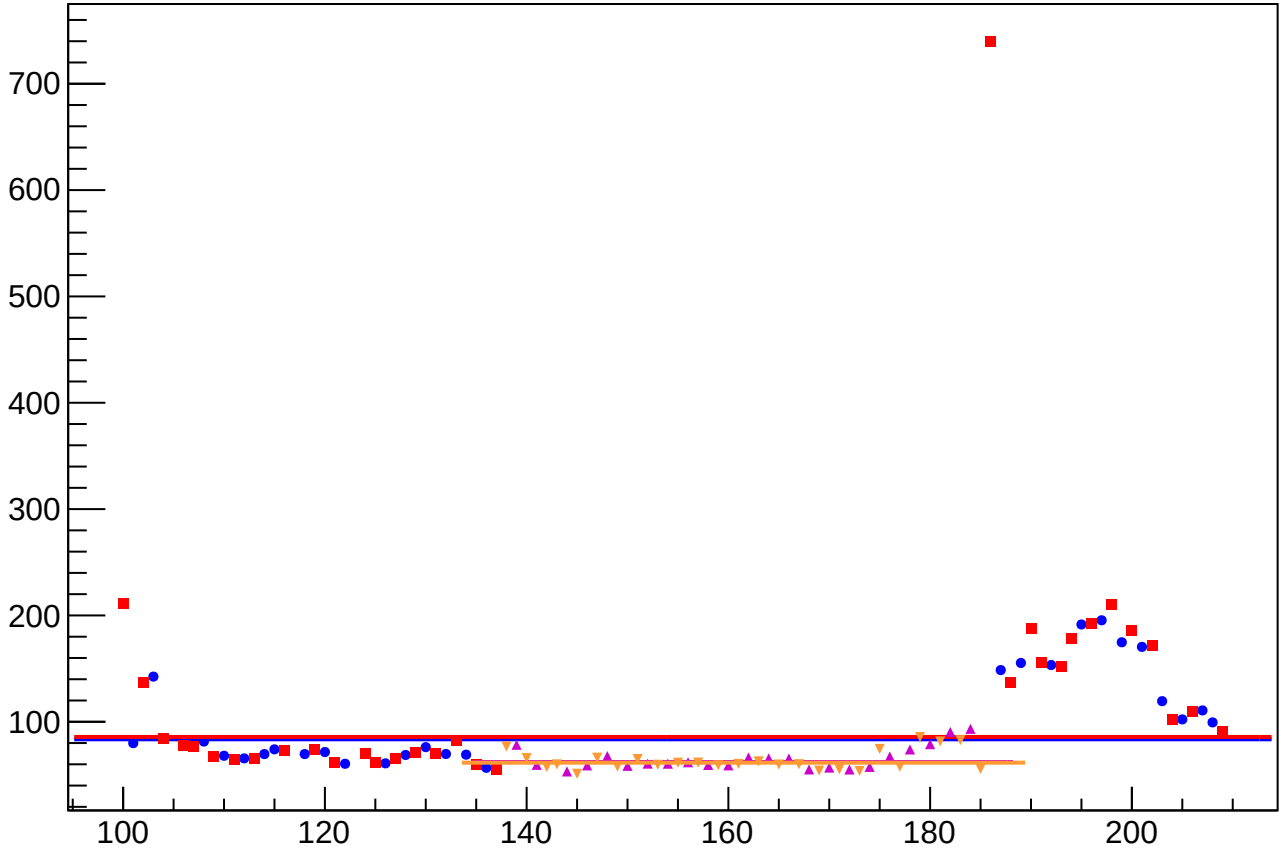
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.544+/-12.041 χ^2/NDF: 58.7/51

All: -10.604+/-8.624 χ^2/NDF: 165.0/106

- sign -49.733+/-12.358 χ^2/NDF: 86.8/54

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

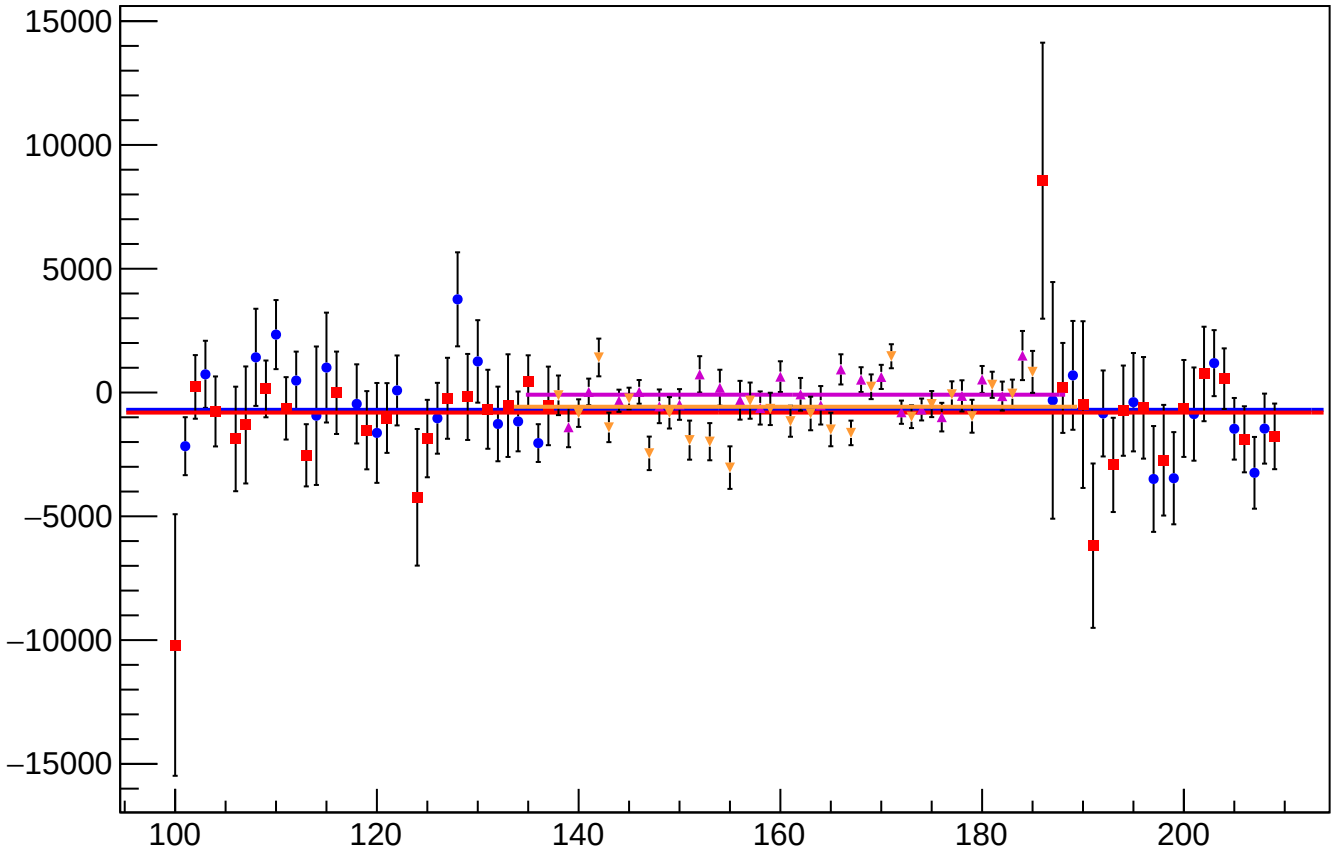
Right Out: 85.736+/-0.016 χ^2/NDF: 5409950.7/31

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 67.673+/-0.009 χ^2/NDF: 6137591.8/51

All: 68.365+/-0.006 χ^2/NDF: 13672272.7/106

- sign 69.093+/-0.009 χ^2/NDF: 7521124.0/54



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

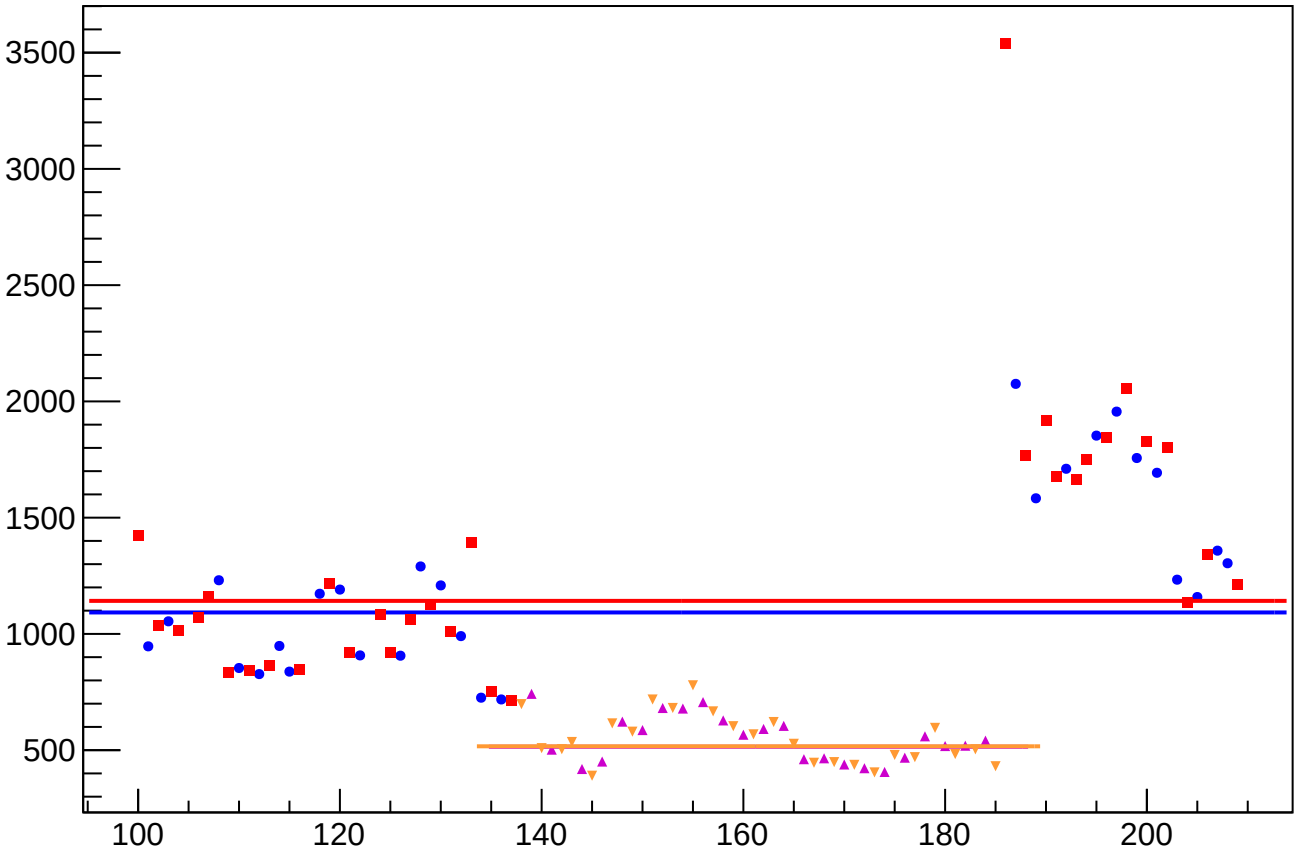
Right Out: -810.015+/-290.308 χ^2/NDF: 21.7/31

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -593.036+/-110.583 χ^2/NDF: 100.2/51

All: -399.245+/-78.986 χ^2/NDF: 158.0/106

- sign -197.399+/-112.857 χ^2/NDF: 51.6/54



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1142.094+/-0.205 χ^2/NDF: 3263970.4/31

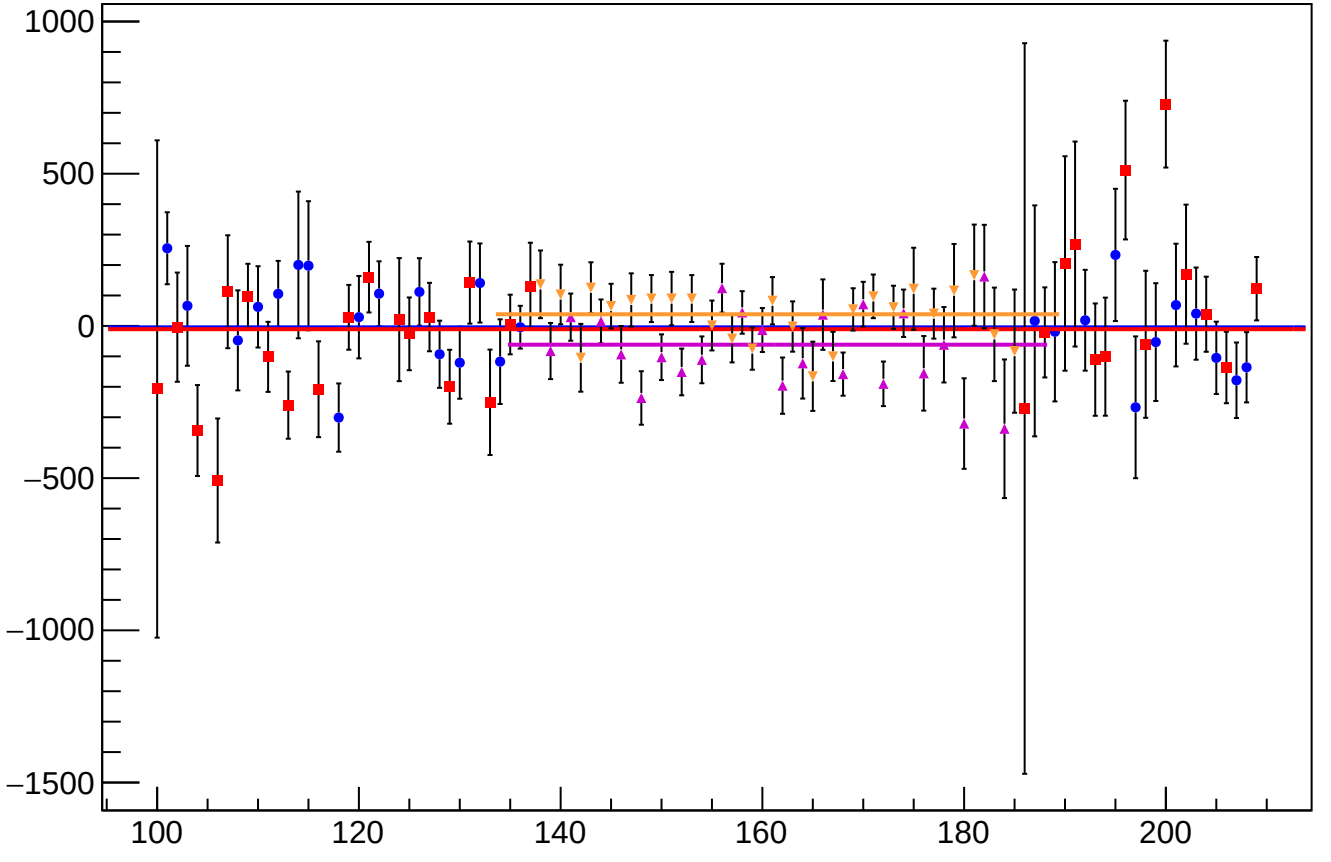
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 601.287+/-0.078 χ^2/NDF: 10737712.2/51

All: 605.352+/-0.056 χ^2/NDF: 23054915.5/10

- sign 609.585+/-0.080 χ^2/NDF: 12311686.8/54

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -4.704+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -10.771+/-25.916 χ^2/NDF: 51.9/31

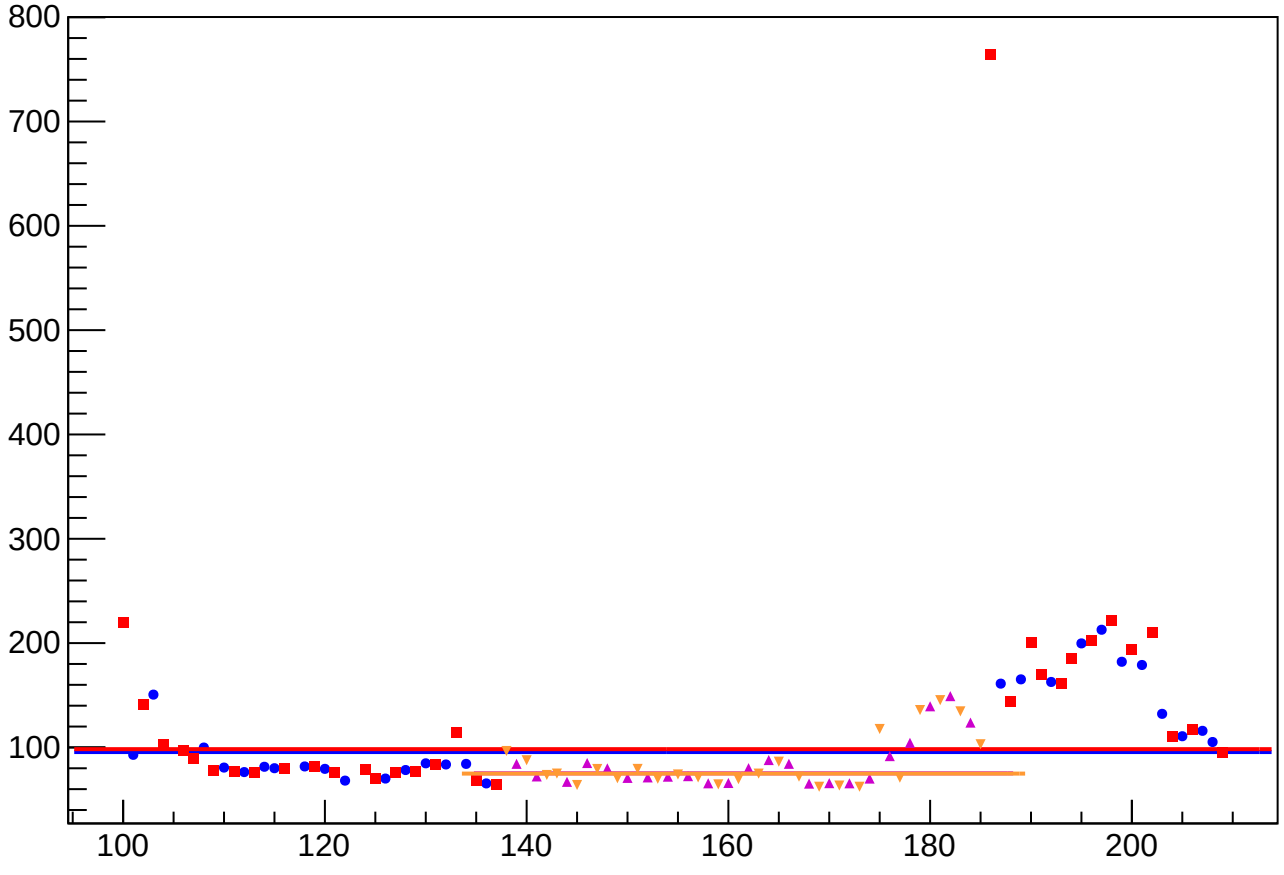
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 24.609+/-14.591 χ^2/NDF: 48.1/51

All: -9.445+/-10.421 χ^2/NDF: 150.5/106

- sign -44.905+/-14.890 χ^2/NDF: 91.2/54

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.557+/-0.018 χ^2/NDF: 3523506.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

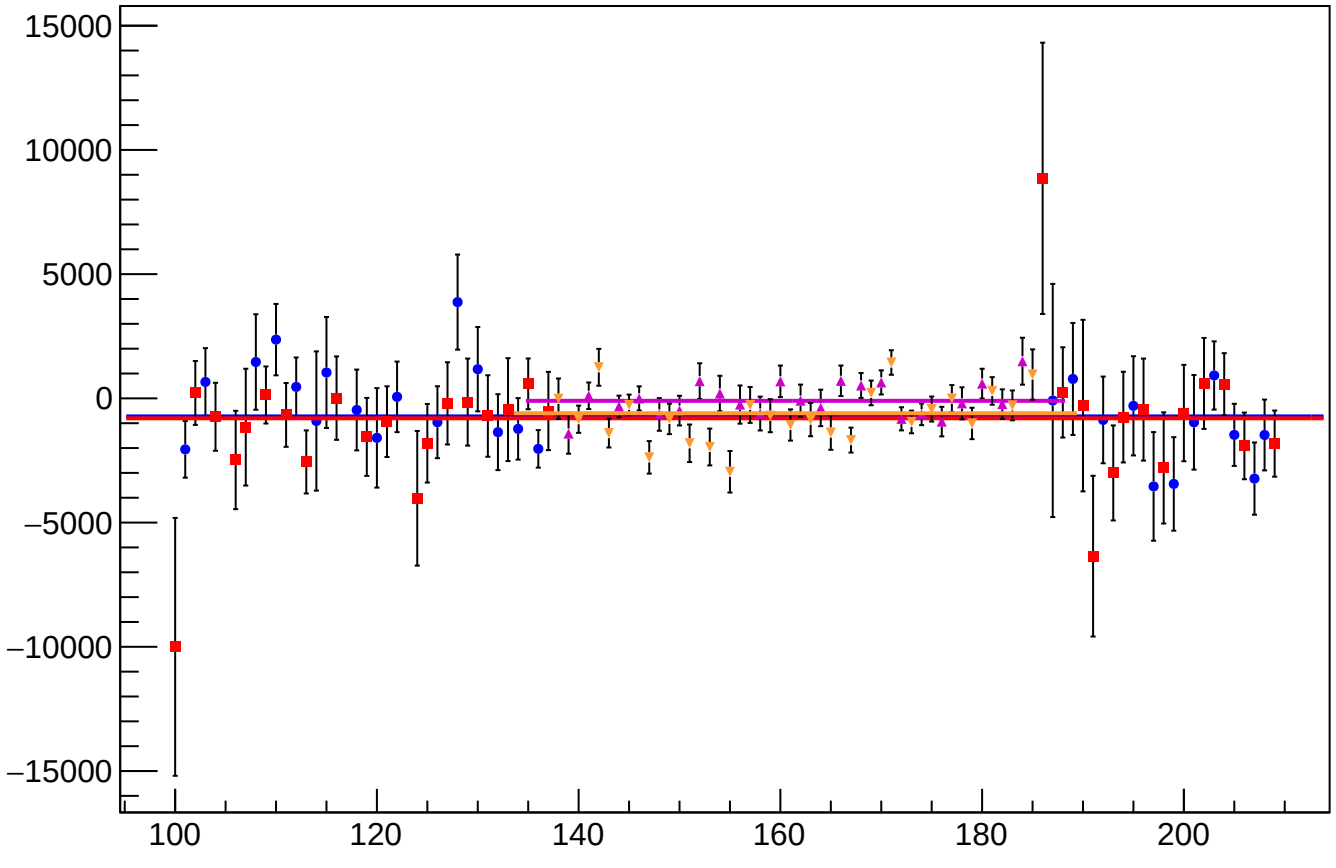
Right Out: 98.339+/-0.018 χ^2/NDF: 4764643.0/31

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 81.472+/-0.010 χ^2/NDF: 6054228.4/51

All: 82.126+/-0.007 χ^2/NDF: 13211767.9/106

- sign 82.808+/-0.011 χ^2/NDF: 7149329.1/54



Right In: -726.336+/-290.078 χ^2/NDF: 30.2/26

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -802.281+/-289.942 χ^2/NDF: 23.2/31

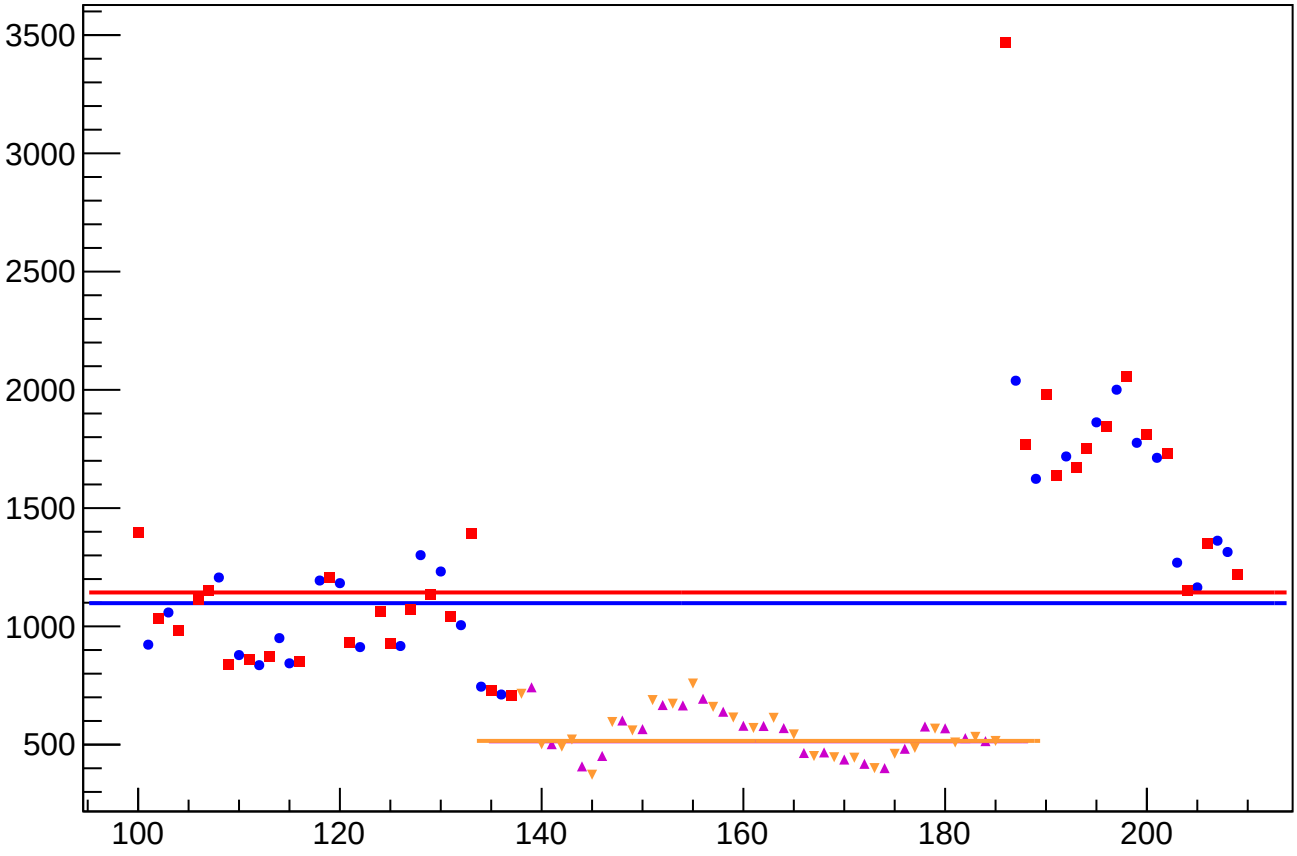
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -617.280+/-110.352 χ^2/NDF: 95.4/51

All: -415.630+/-78.846 χ^2/NDF: 154.1/106

- sign -205.331+/-112.694 χ^2/NDF: 51.9/54

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1098.109+/-0.205 χ^2/NDF: 2727840.1/26

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1143.352+/-0.205 χ^2/NDF: 3250422.0/31

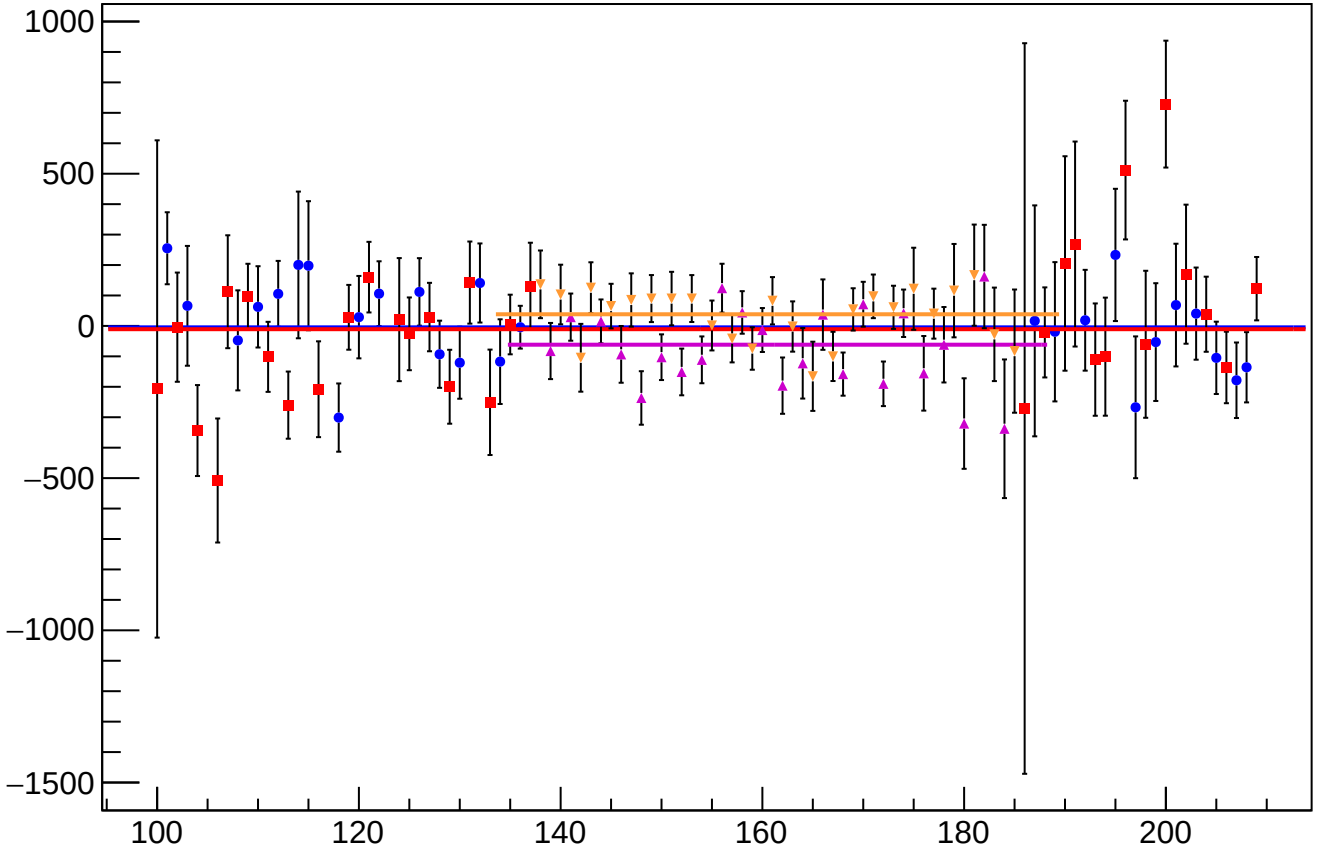
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 600.040+/-0.078 χ^2/NDF: 10854324.5/51

All: 604.499+/-0.056 χ^2/NDF: 23225653.2/10

- sign 609.151+/-0.080 χ^2/NDF: 12364655.2/54

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -4.703+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -10.769+/-25.916 χ^2/NDF: 51.9/31

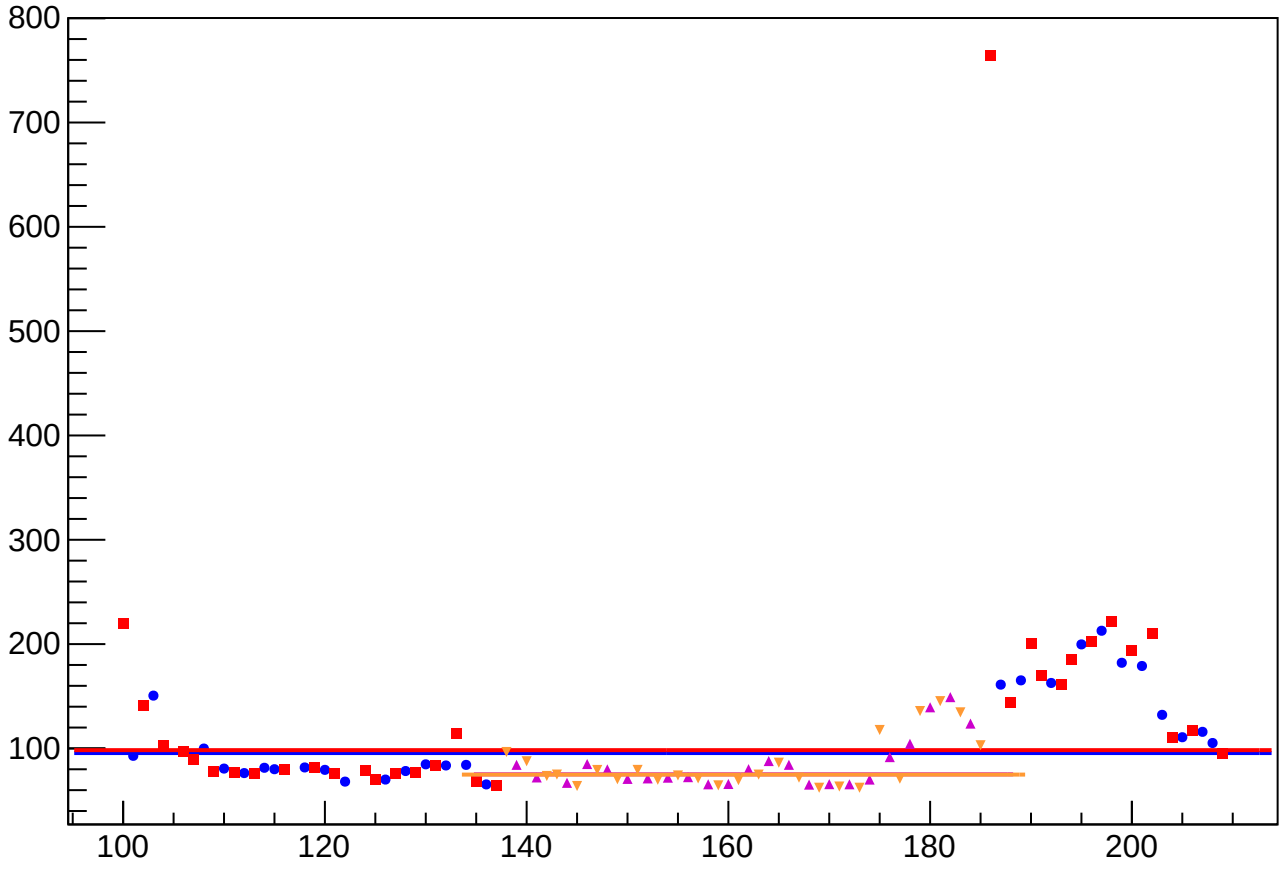
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 24.609+/-14.591 χ^2/NDF: 48.1/51

All: -9.444+/-10.421 χ^2/NDF: 150.5/106

- sign -44.904+/-14.890 χ^2/NDF: 91.2/54

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 95.556+/-0.018 χ^2/NDF: 3523518.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

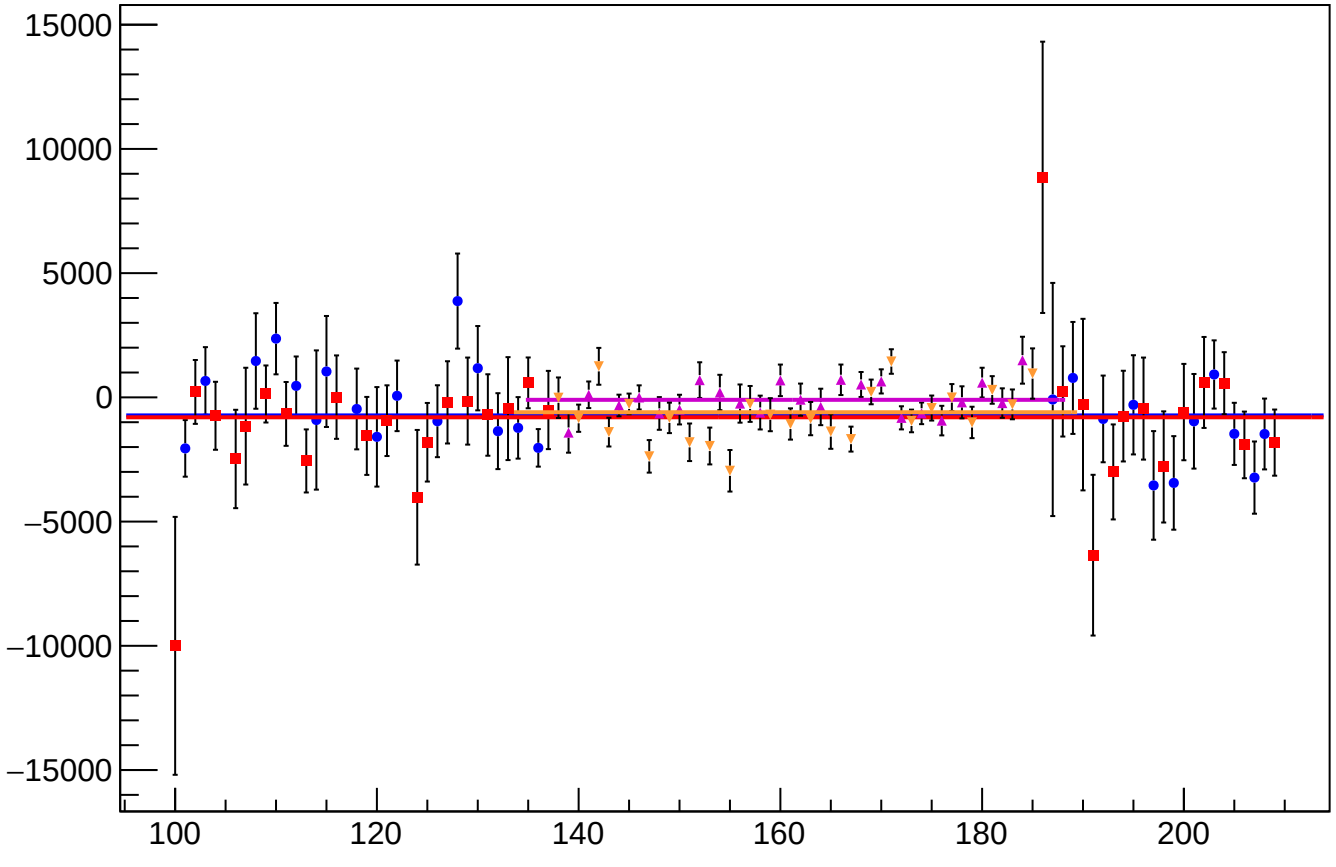
Right Out: 98.339+/-0.018 χ^2/NDF: 4764672.0/31

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 81.472+/-0.010 χ^2/NDF: 6054200.7/51

All: 82.127+/-0.007 χ^2/NDF: 13211714.2/106

- sign 82.808+/-0.011 χ^2/NDF: 7149302.7/54



Right In: -726.333+/-290.078 χ^2/NDF: 30.2/26

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

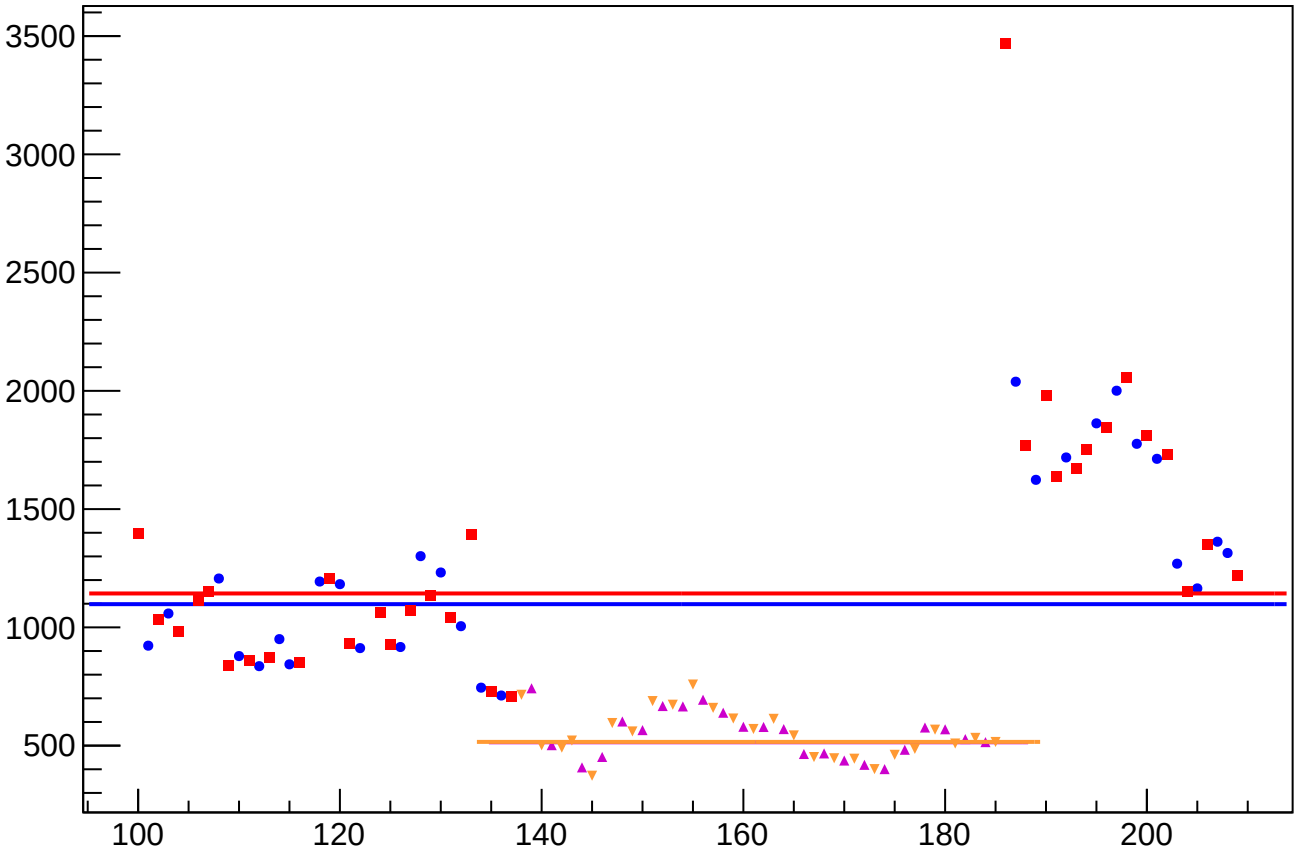
Right Out: -802.279+/-289.941 χ^2/NDF: 23.2/31

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -617.278+/-110.352 χ^2/NDF: 95.4/51

All: -415.629+/-78.845 χ^2/NDF: 154.1/106

- sign -205.330+/-112.693 χ^2/NDF: 51.9/54



Right In: 1098.107+/-0.205 χ^2/NDF: 2727848.7/26

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1143.349+/-0.205 χ^2/NDF: 3250432.6/31

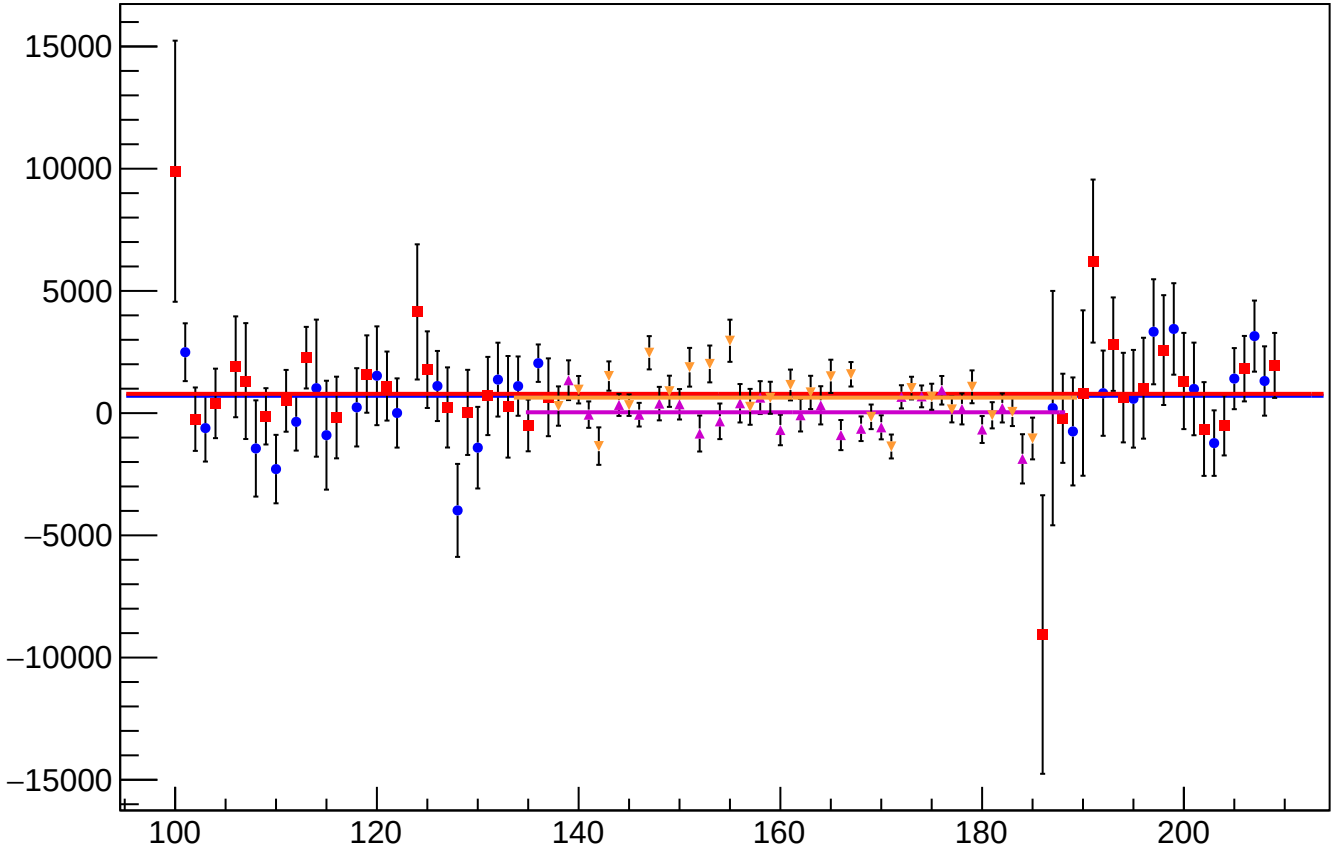
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 600.038+/-0.078 χ^2/NDF: 10854333.5/51

All: 604.498+/-0.056 χ^2/NDF: 23225665.2/10

- sign 609.149+/-0.080 χ^2/NDF: 12364658.1/54

asym_sam_12345678_avg_mean vs Slug



Right In: 709.669+/-289.627 χ^2/NDF: 31.4/26

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 789.397+/-291.298 χ^2/NDF: 21.2/31

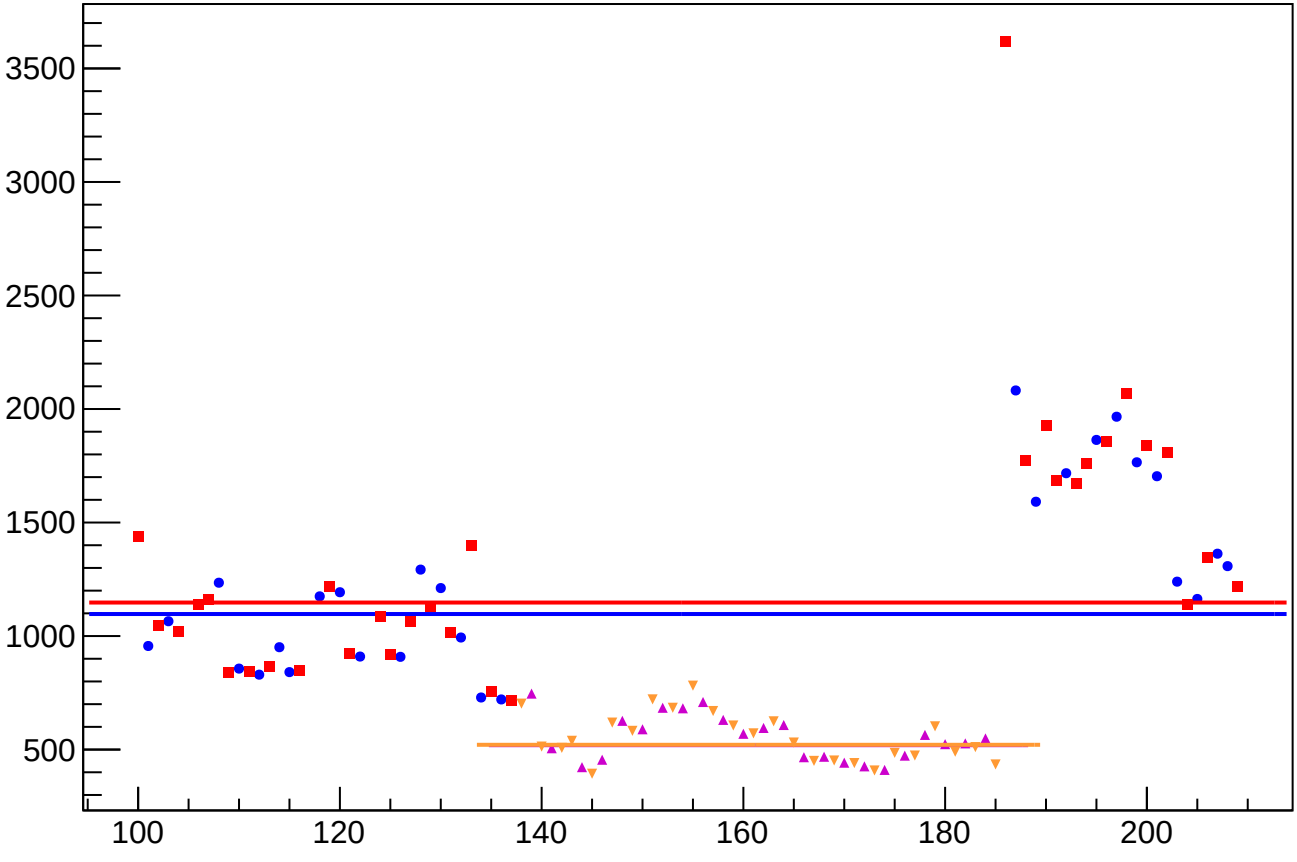
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 645.867+/-111.426 χ^2/NDF: 96.0/51

All: 402.883+/-79.587 χ^2/NDF: 157.7/106

- sign 149.804+/-113.717 χ^2/NDF: 52.0/54

asym_sam_12345678_avg_rms vs Slug



Right In: 1097.002+/-0.205 χ^2/NDF: 2677368.9/26

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

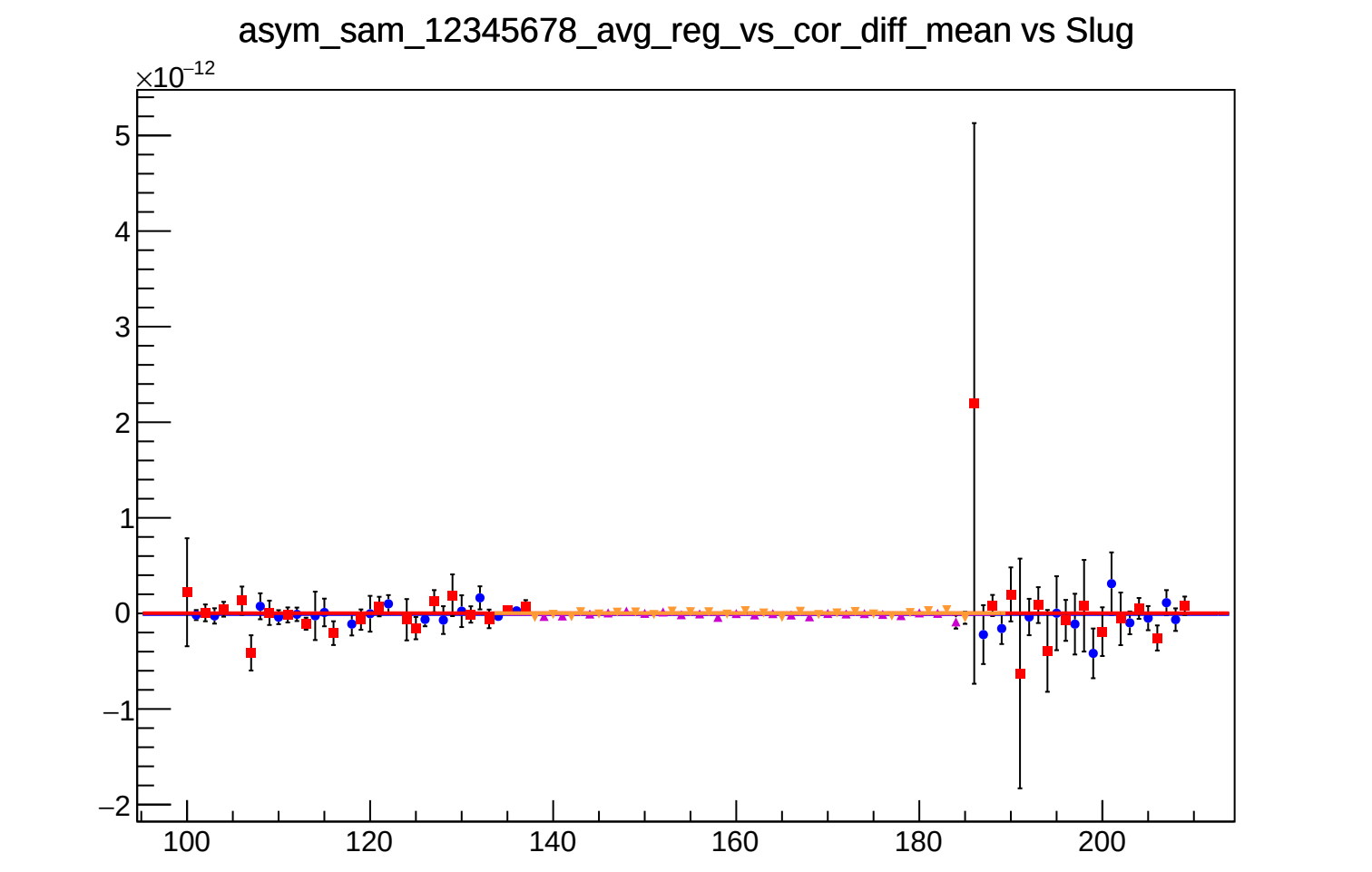
Right Out: 1147.588+/-0.206 χ^2/NDF: 3276616.9/31

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 606.276+/-0.079 χ^2/NDF: 10659382.7/51

All: 610.548+/-0.056 χ^2/NDF: 22930231.7/10

- sign 614.997+/-0.080 χ^2/NDF: 12264847.0/54



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

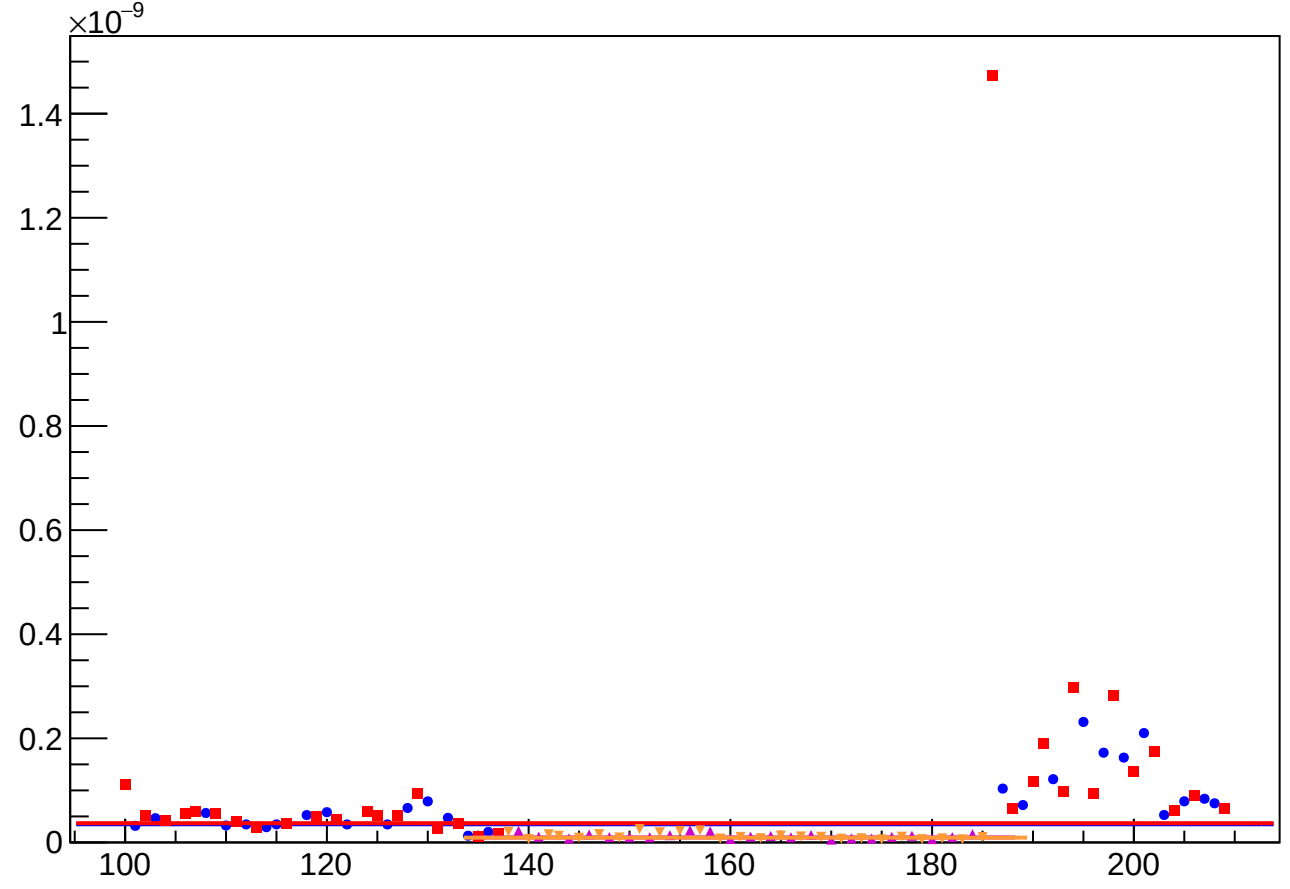
Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/31

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/51

All: -0.000+/-0.000 χ^2/NDF: 76.8/106

- sign -0.000+/-0.000 χ^2/NDF: 38.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 4780185.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

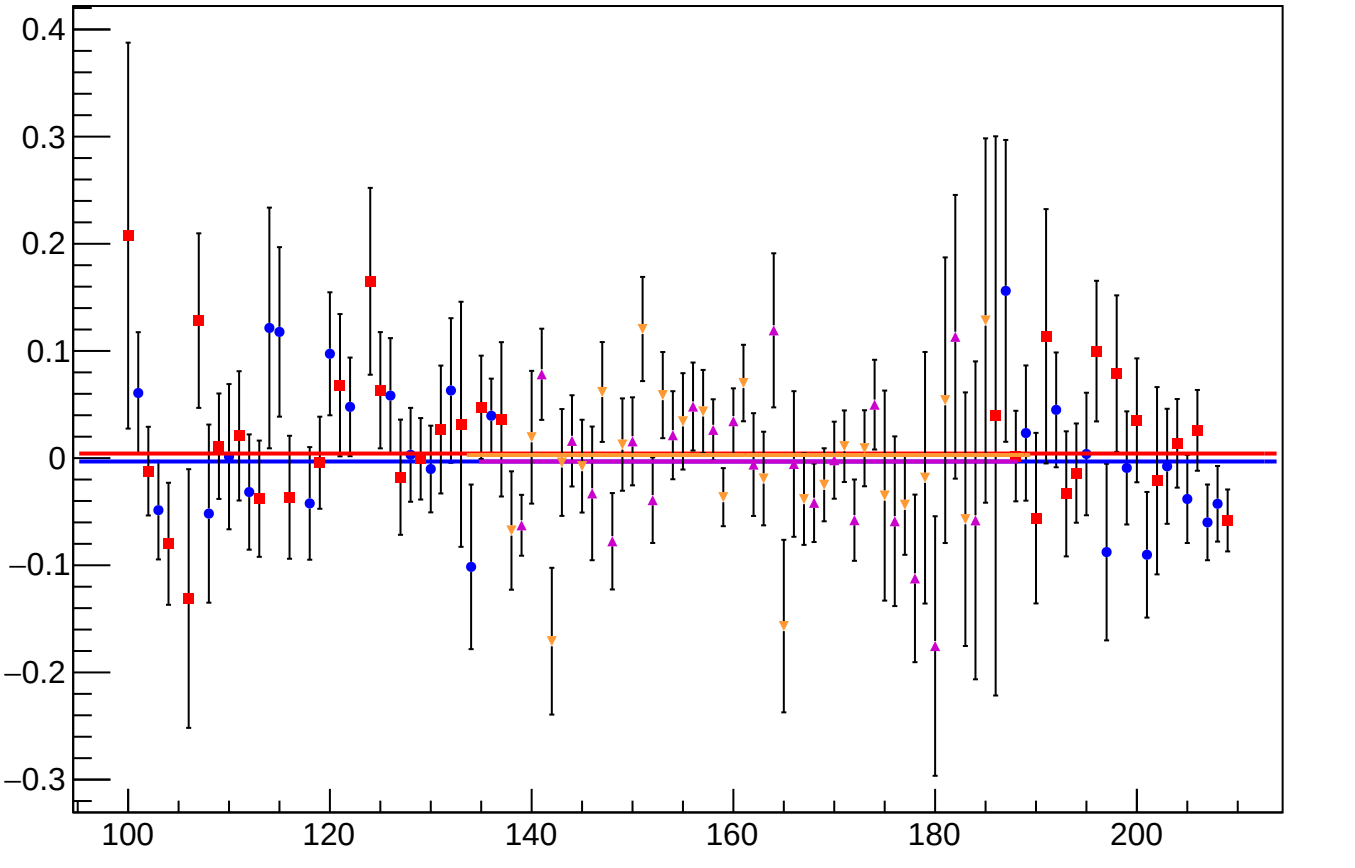
Right Out: 0.000+/-0.000 χ^2/NDF: 5799236.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11392717.0/51

All: 0.000+/-0.000 χ^2/NDF: 23294212.8/106

- sign 0.000+/-0.000 χ^2/NDF: 11888675.3/54



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

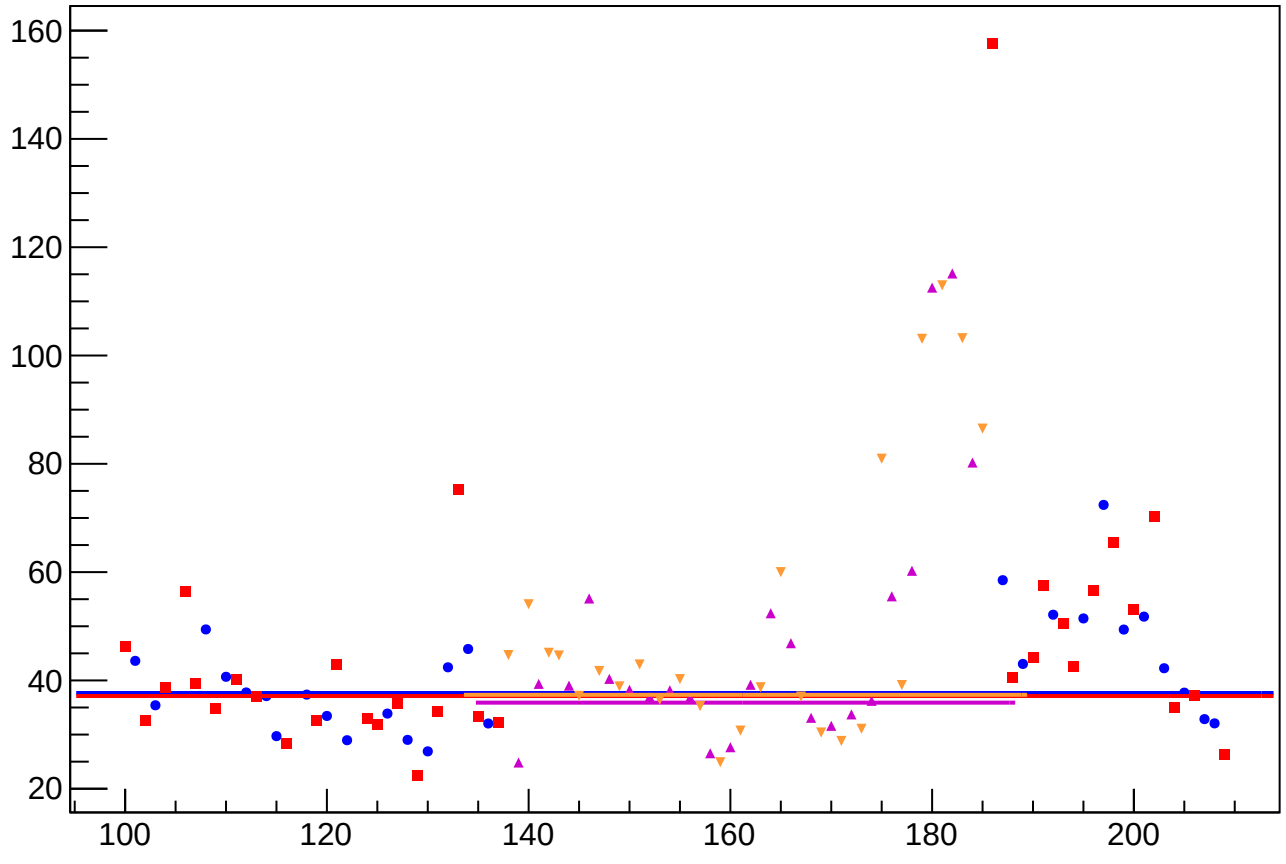
Right Out: 0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.000+/-0.005 χ^2/NDF: 116.0/106

- sign 0.000+/-0.007 χ^2/NDF: 56.1/54



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

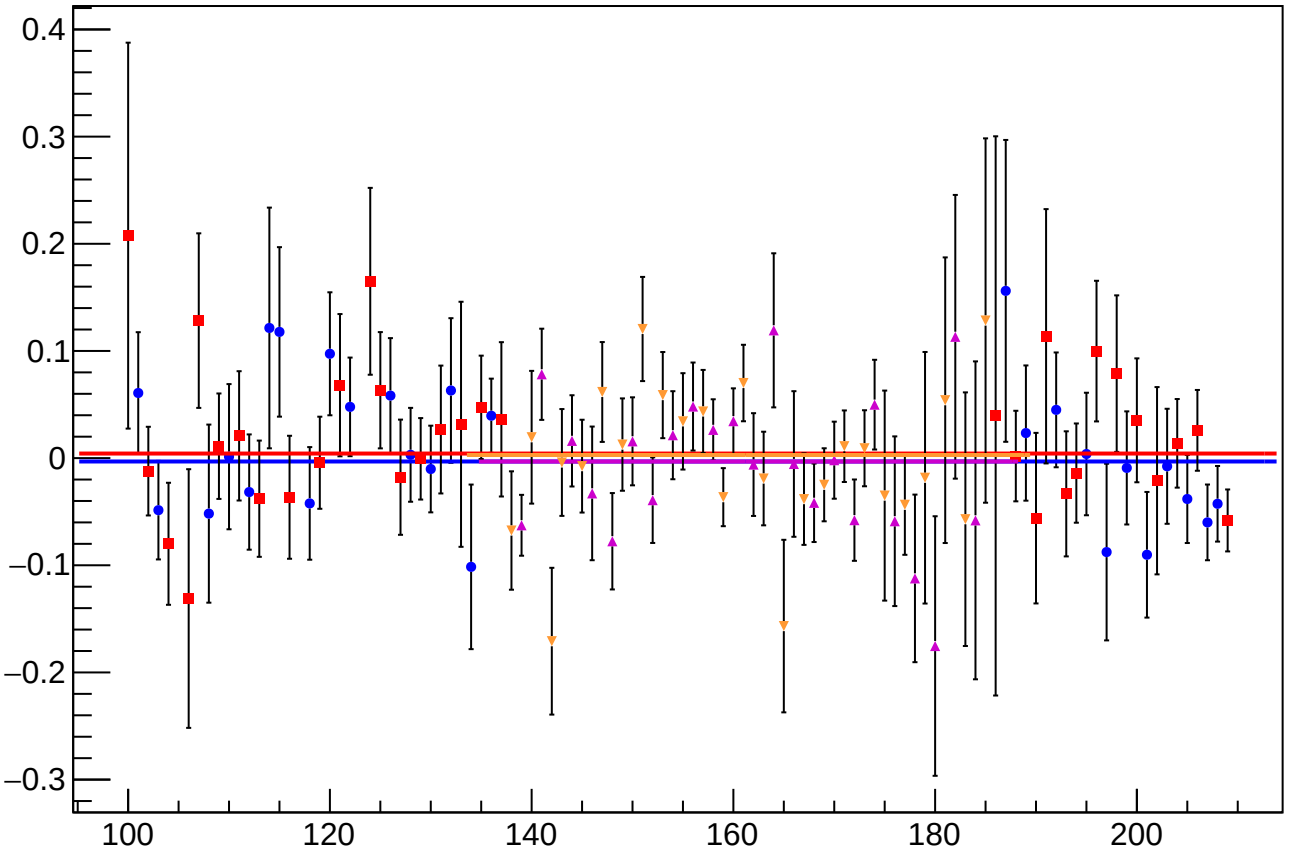
Right Out: 37.121+/-0.007 χ^2/NDF: 2601364.0/31

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178479.1/51

All: 36.972+/-0.003 χ^2/NDF: 10957991.7/106

- sign 36.473+/-0.005 χ^2/NDF: 5756510.1/54



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

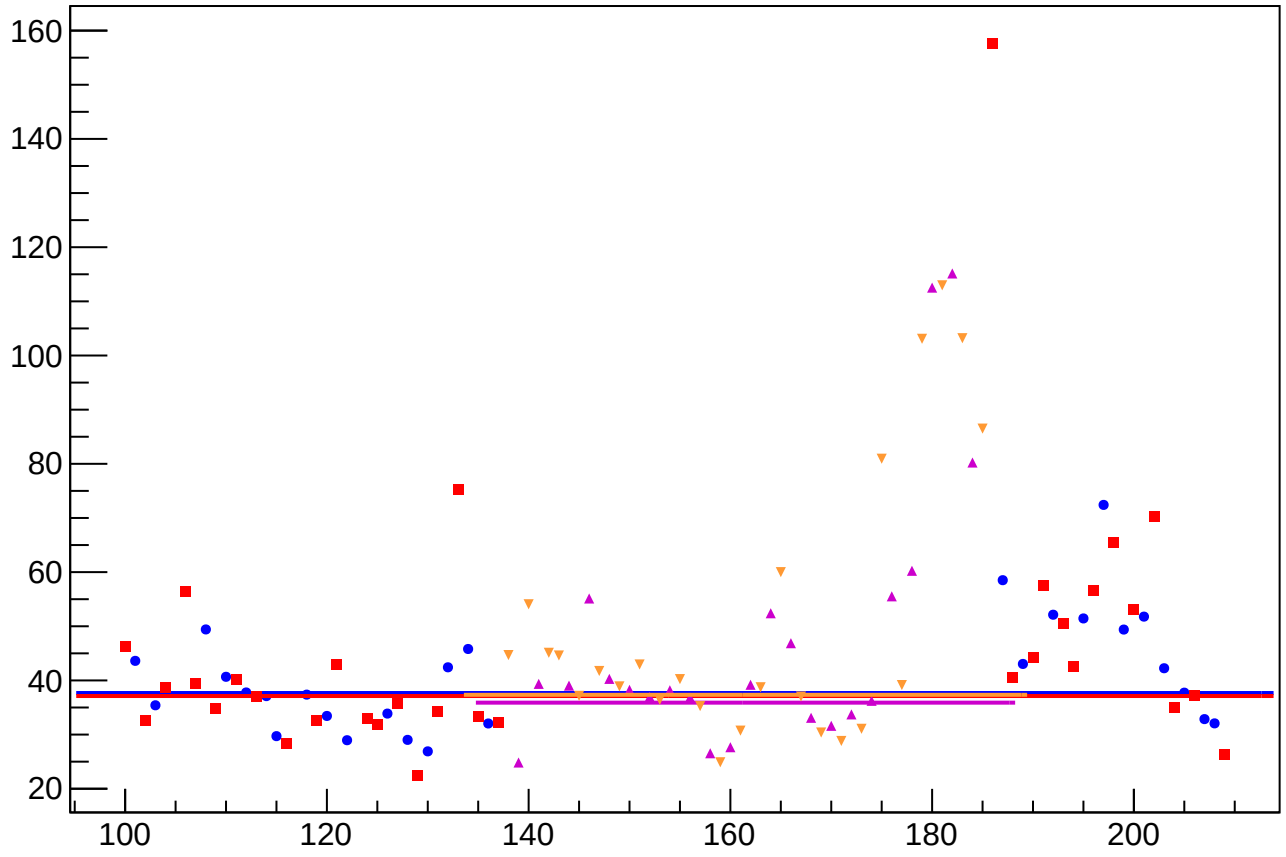
Right Out: 0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.000+/-0.005 χ^2/NDF: 116.0/106

- sign 0.000+/-0.007 χ^2/NDF: 56.1/54



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

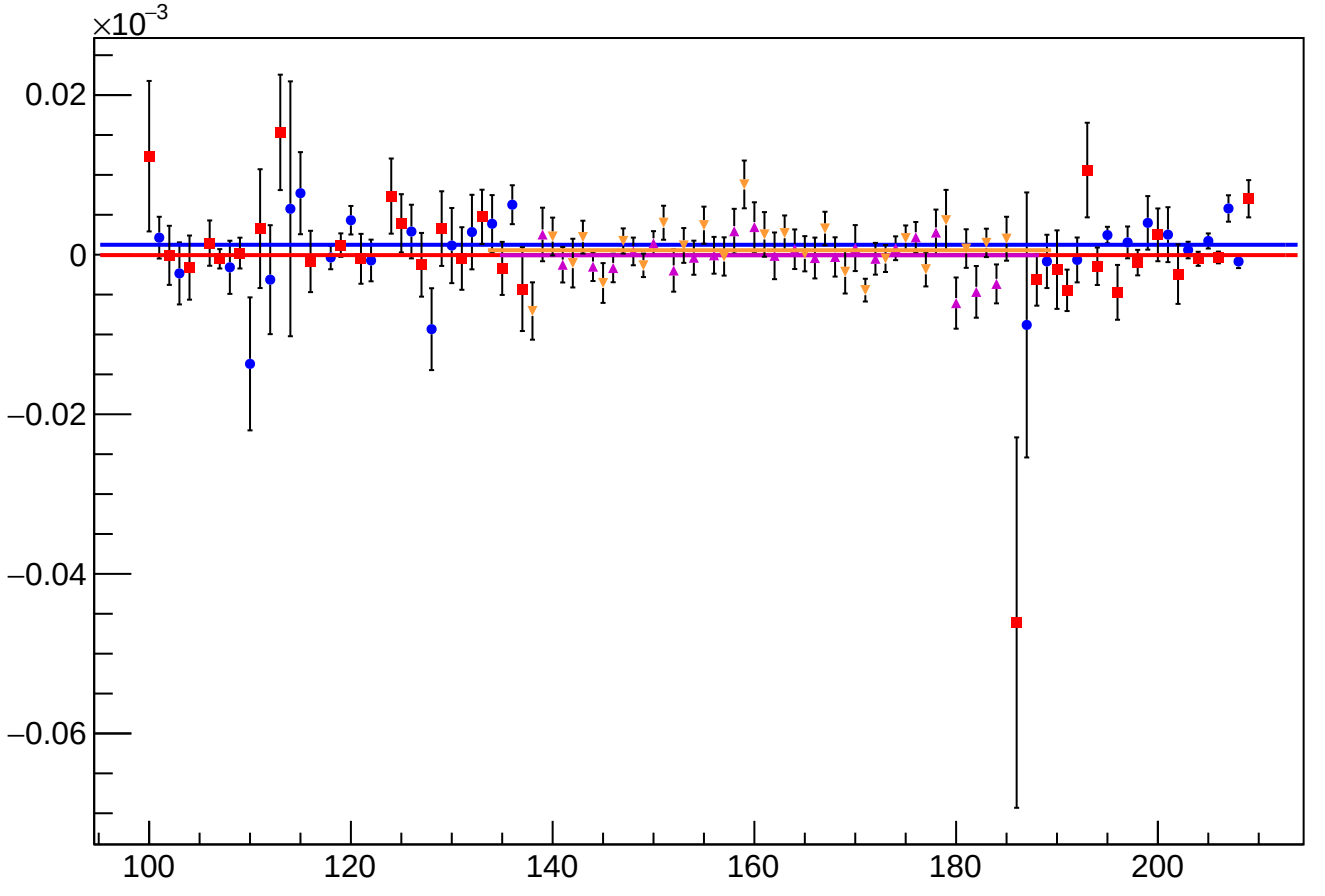
Right Out: 37.121+/-0.007 χ^2/NDF: 2601364.0/31

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178479.1/51

All: 36.972+/-0.003 χ^2/NDF: 10957991.7/106

- sign 36.473+/-0.005 χ^2/NDF: 5756510.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

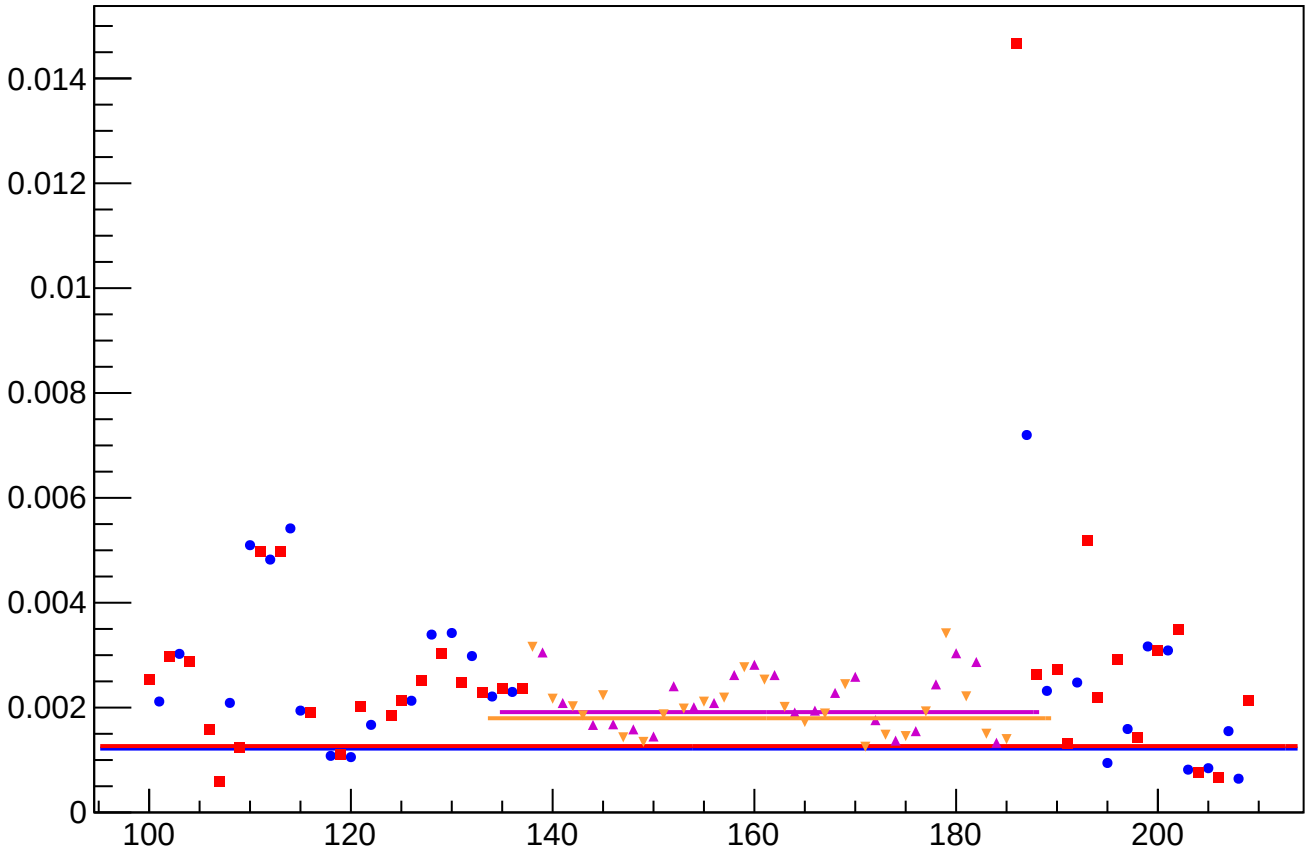
Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/31

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/51

All: 0.000+/-0.000 χ^2/NDF: 146.4/106

- sign -0.000+/-0.000 χ^2/NDF: 56.2/54



Right In: 0.001+/-0.000 χ^2/NDF: 7855521.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

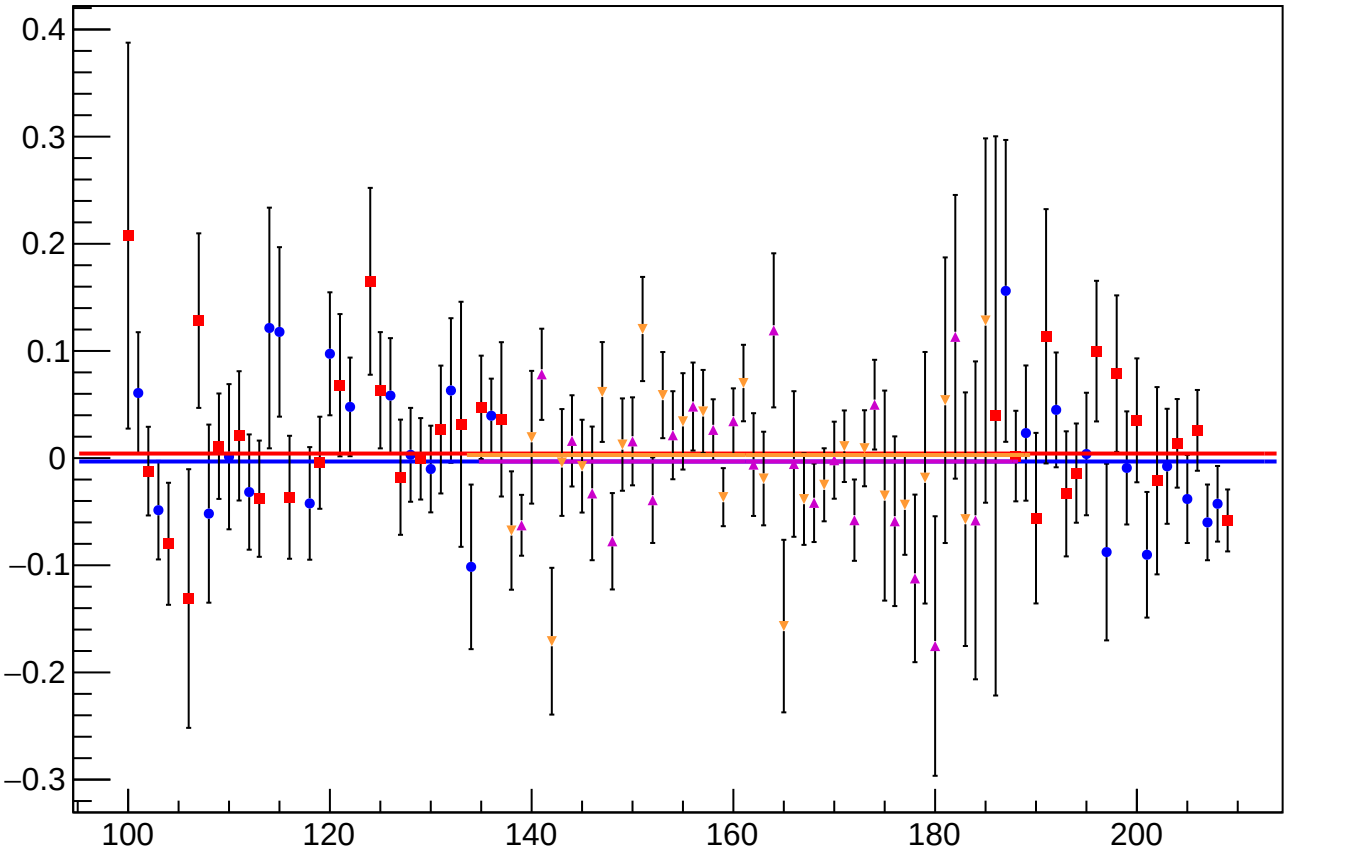
Right Out: 0.001+/-0.000 χ^2/NDF: 10395705.1/31

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12236799.1/51

All: 0.001+/-0.000 χ^2/NDF: 27160886.7/106

- sign 0.002+/-0.000 χ^2/NDF: 14885378.6/54



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

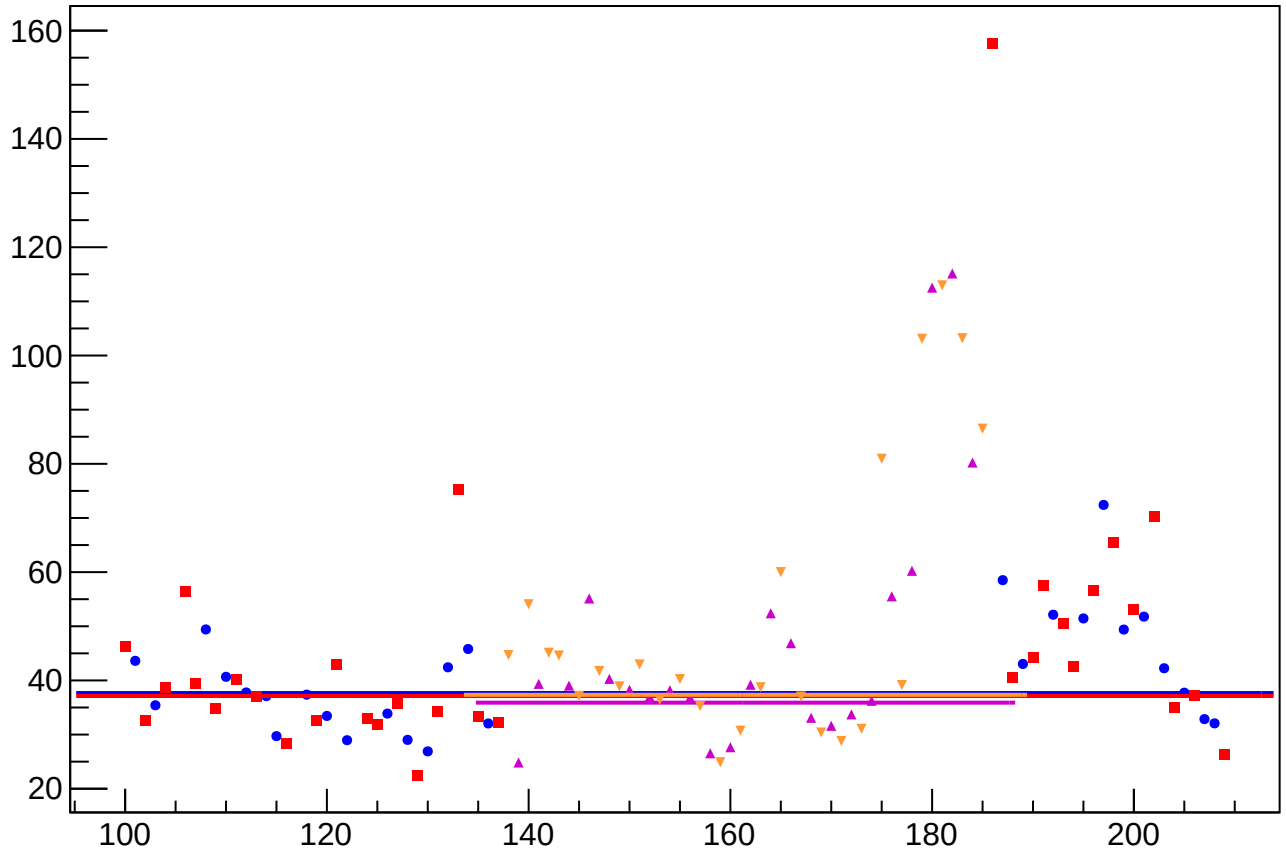
Right Out: 0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.000+/-0.005 χ^2/NDF: 116.0/106

- sign 0.000+/-0.007 χ^2/NDF: 56.1/54



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

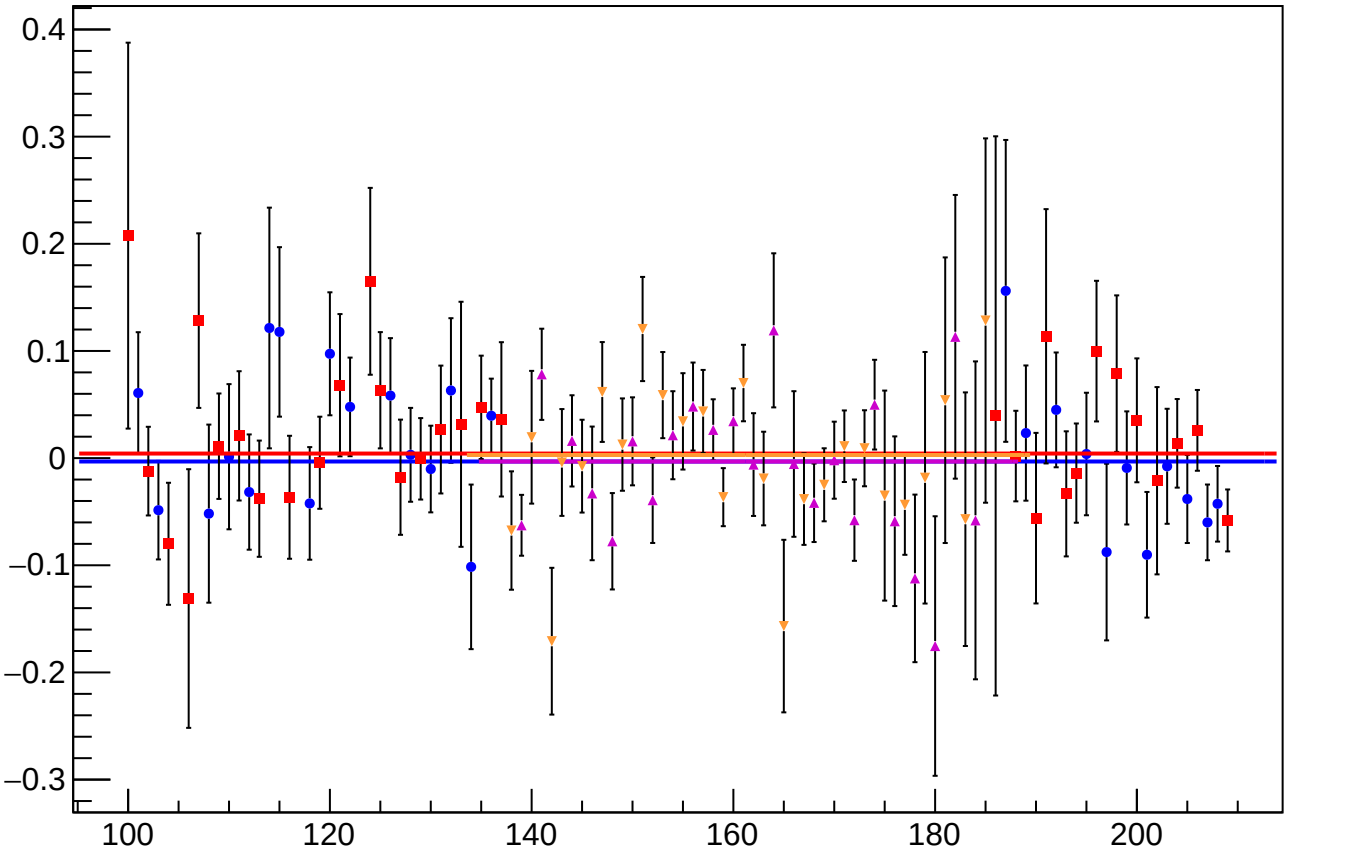
Right Out: 37.120+/-0.007 χ^2/NDF: 2601448.7/31

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178617.7/51

All: 36.972+/-0.003 χ^2/NDF: 10958206.6/106

- sign 36.473+/-0.005 χ^2/NDF: 5756595.0/54



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

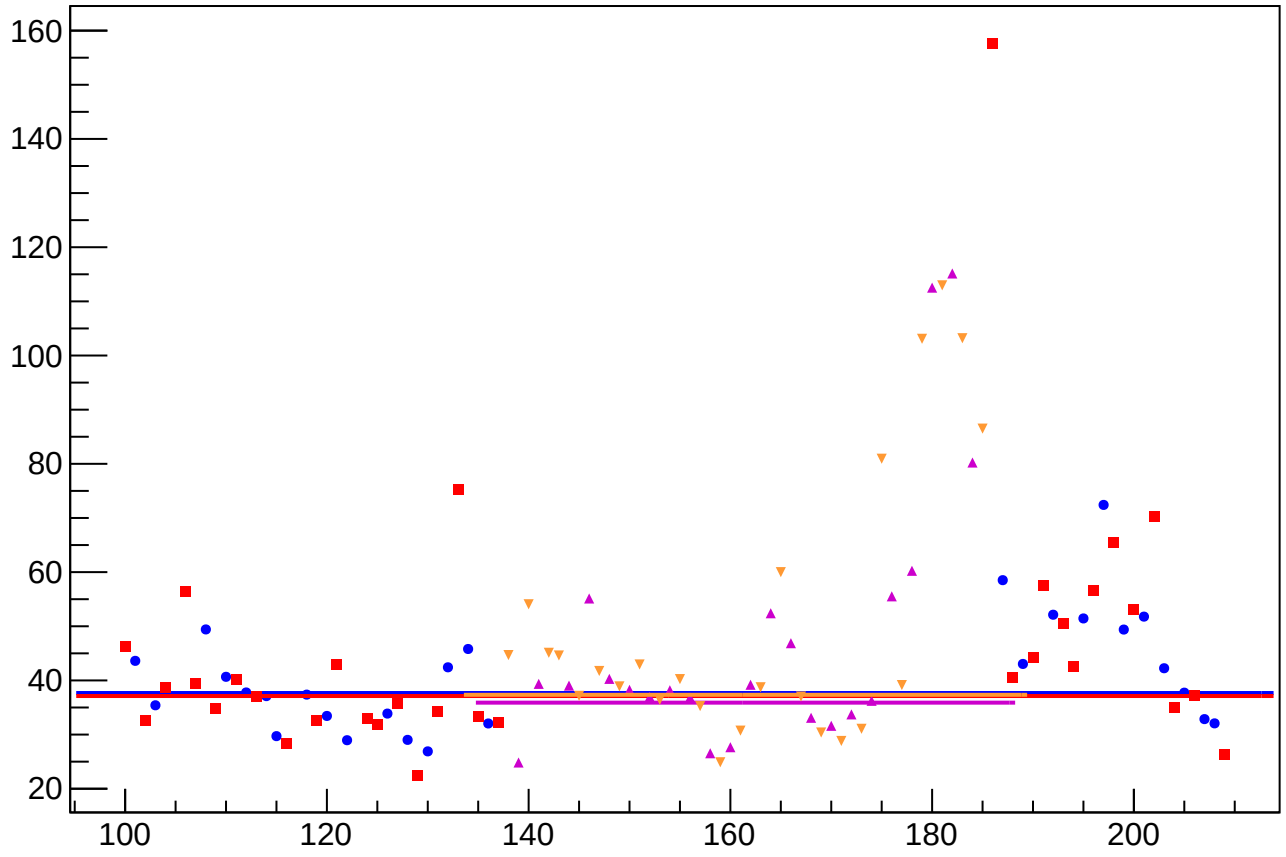
Right Out: 0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.000+/-0.007 χ^2/NDF: 60.0/51

All: 0.000+/-0.005 χ^2/NDF: 116.0/106

- sign 0.000+/-0.007 χ^2/NDF: 56.1/54



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

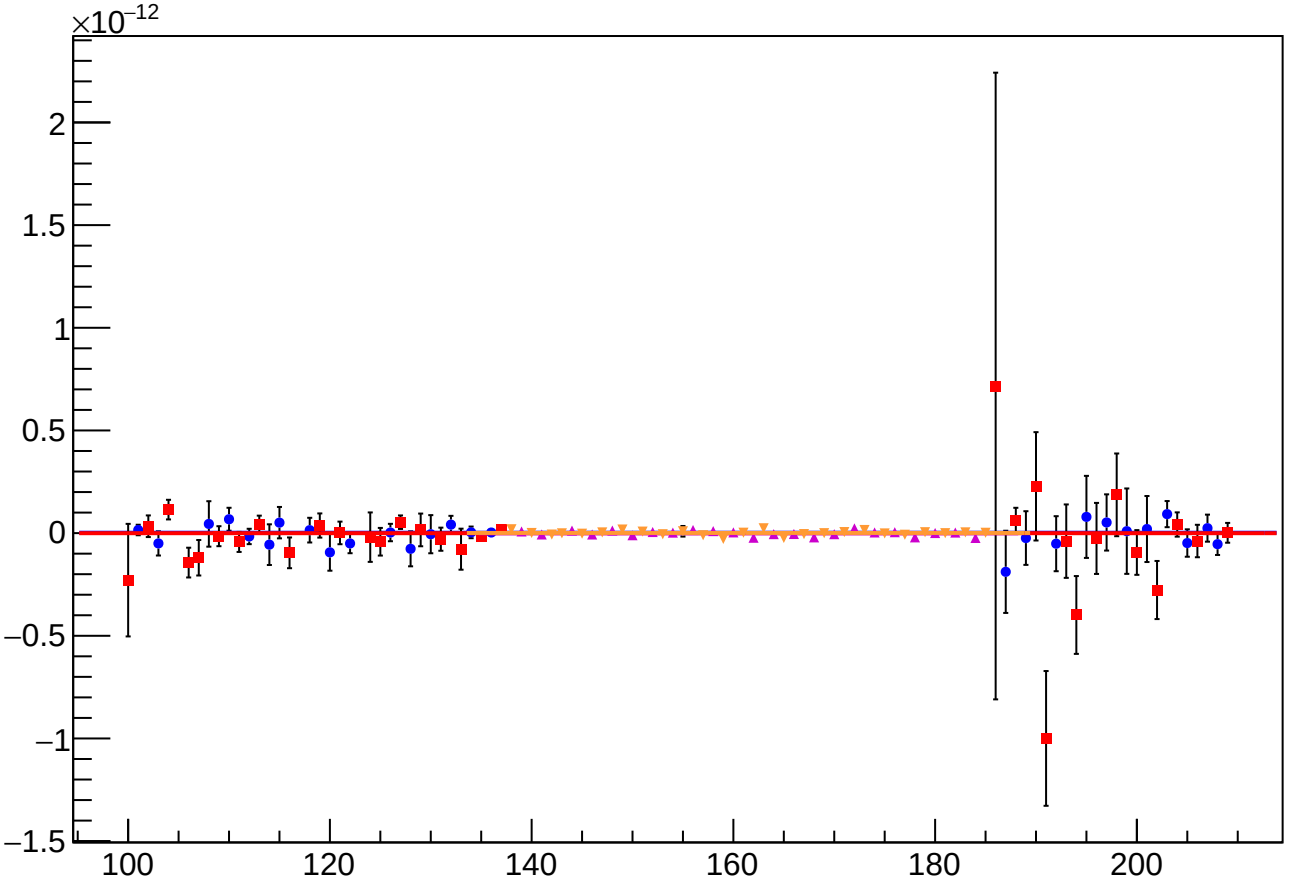
Right Out: 37.120+/-0.007 χ^2/NDF: 2601448.7/31

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.495+/-0.005 χ^2/NDF: 5178617.7/51

All: 36.972+/-0.003 χ^2/NDF: 10958206.6/106

- sign 36.473+/-0.005 χ^2/NDF: 5756595.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

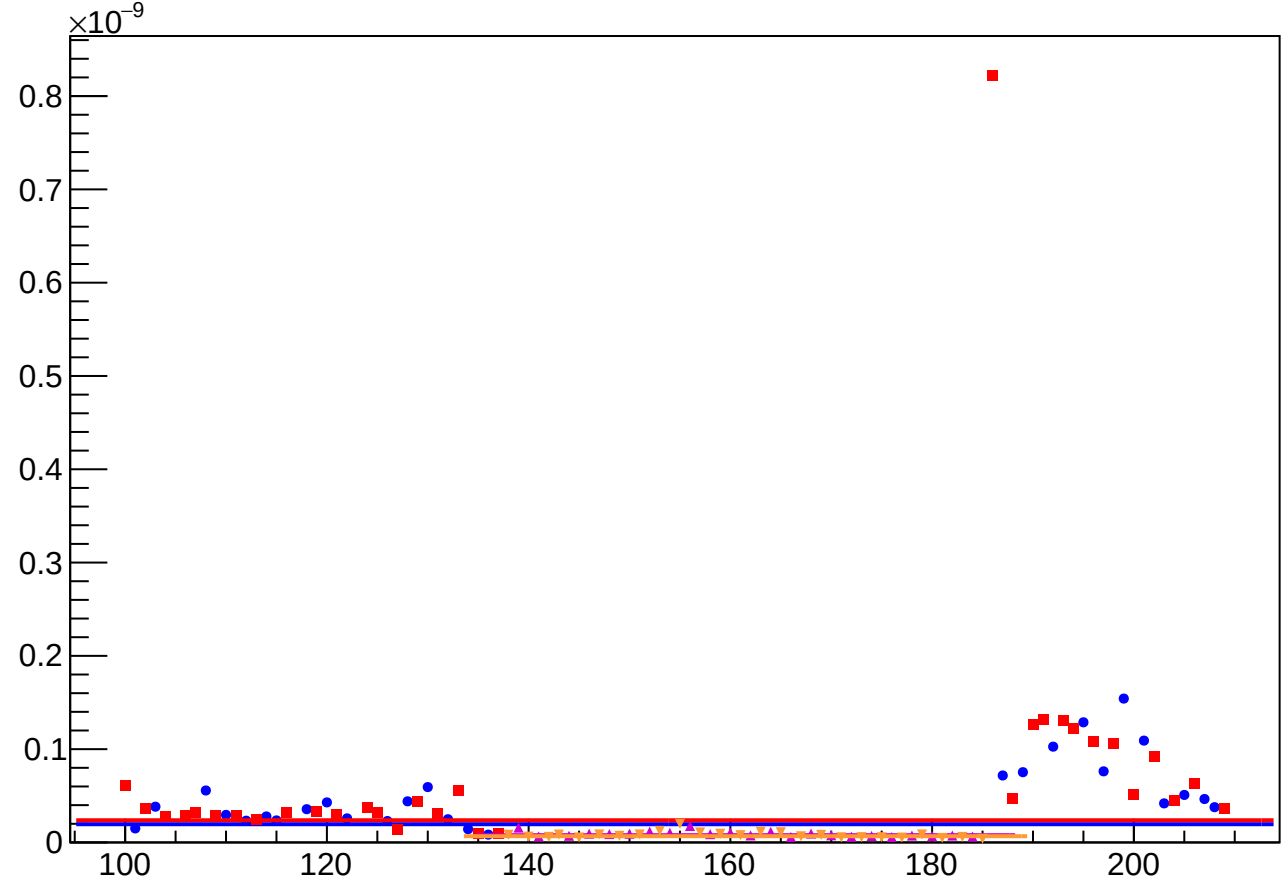
Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/31

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/51

All: 0.000+/-0.000 χ^2/NDF: 107.2/106

- sign -0.000+/-0.000 χ^2/NDF: 72.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 8095074.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7719698.3/31

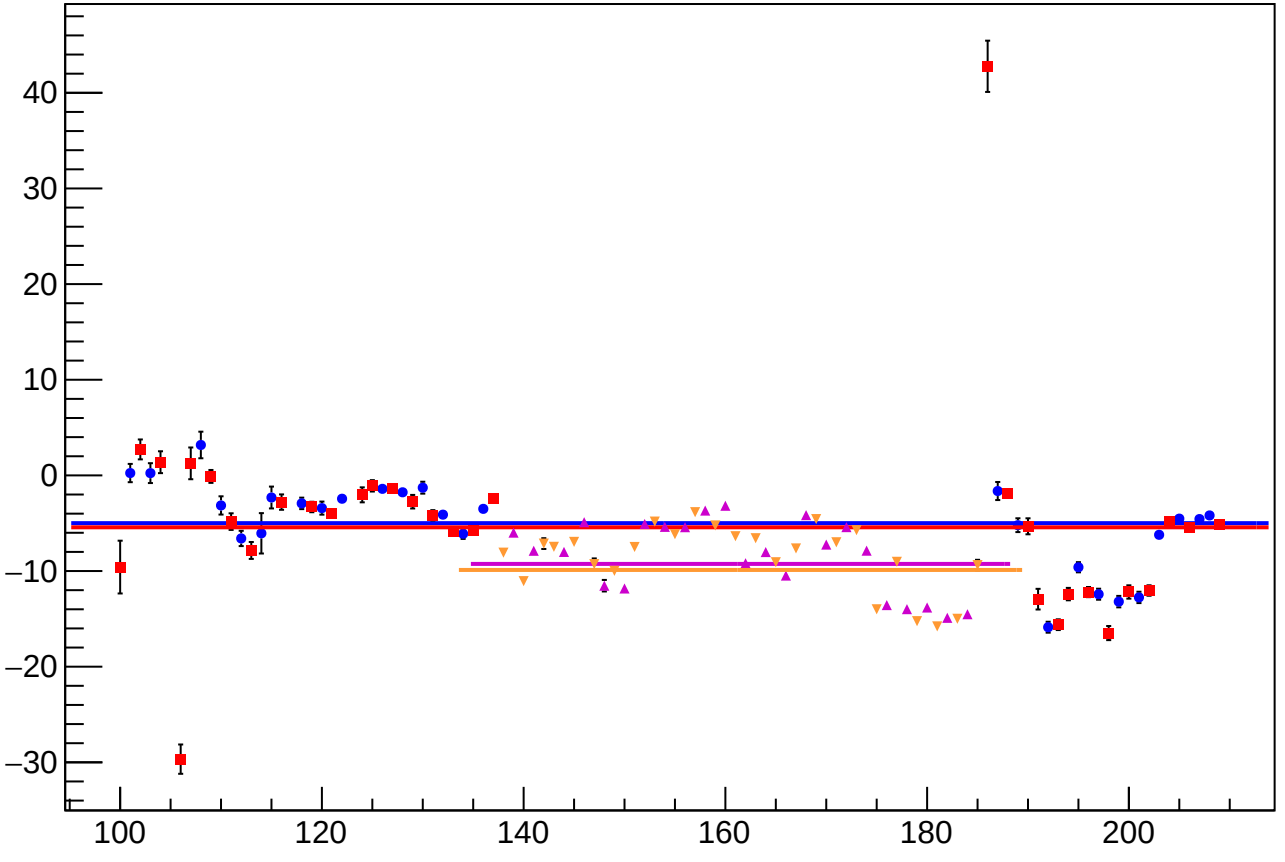
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14797219.9/51

All: 0.000+/-0.000 χ^2/NDF: 29784825.6/106

- sign 0.000+/-0.000 χ^2/NDF: 14645563.6/54

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.994+/-0.100 χ^2/NDF: 1324.8/26

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.429+/-0.098 χ^2/NDF: 2255.1/31

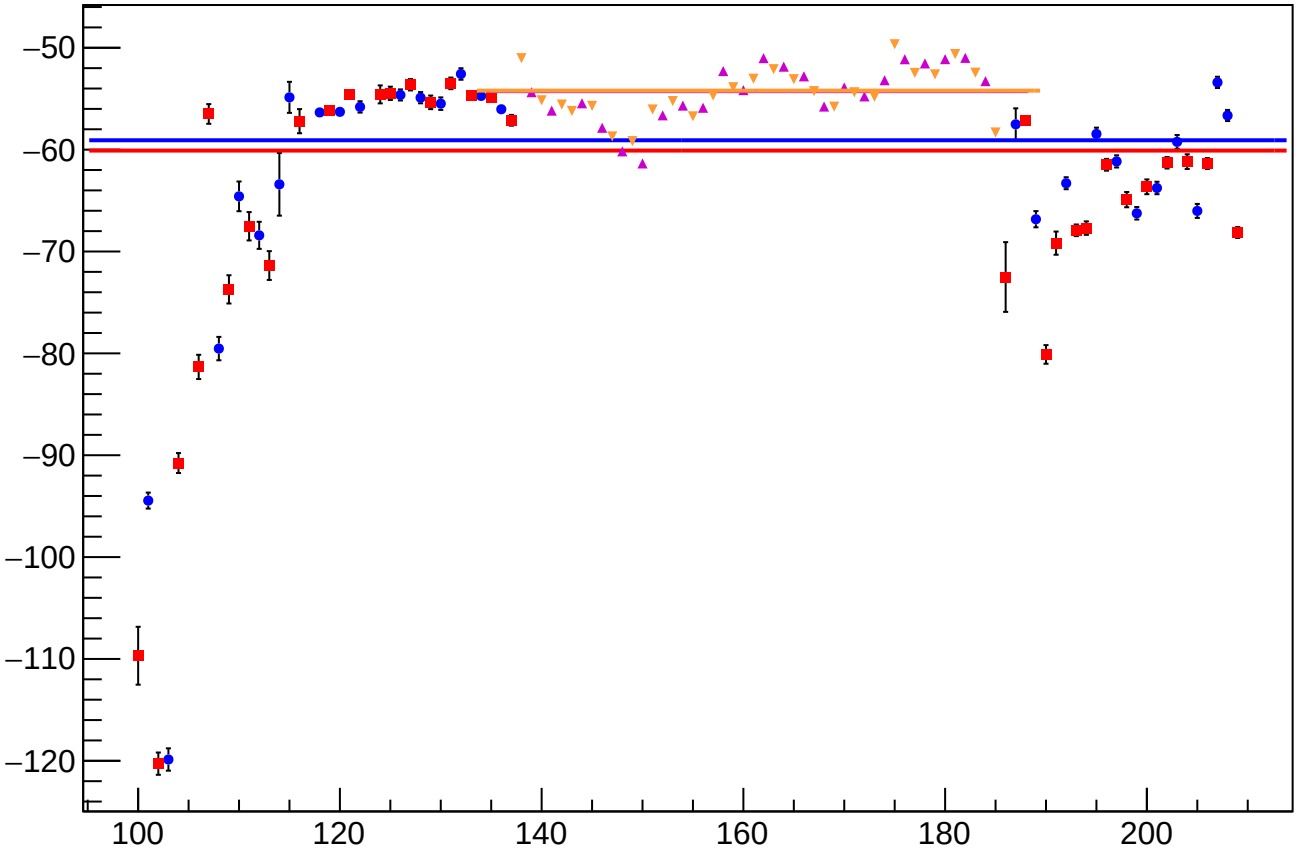
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.291+/-0.057 χ^2/NDF: 6146.4/51

All: -8.110+/-0.041 χ^2/NDF: 12482.0/106

- sign -7.924+/-0.058 χ^2/NDF: 6315.2/54

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.080+/-0.111 χ^2/NDF: 6749.9/26

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -60.091+/-0.110 χ^2/NDF: 7293.8/31

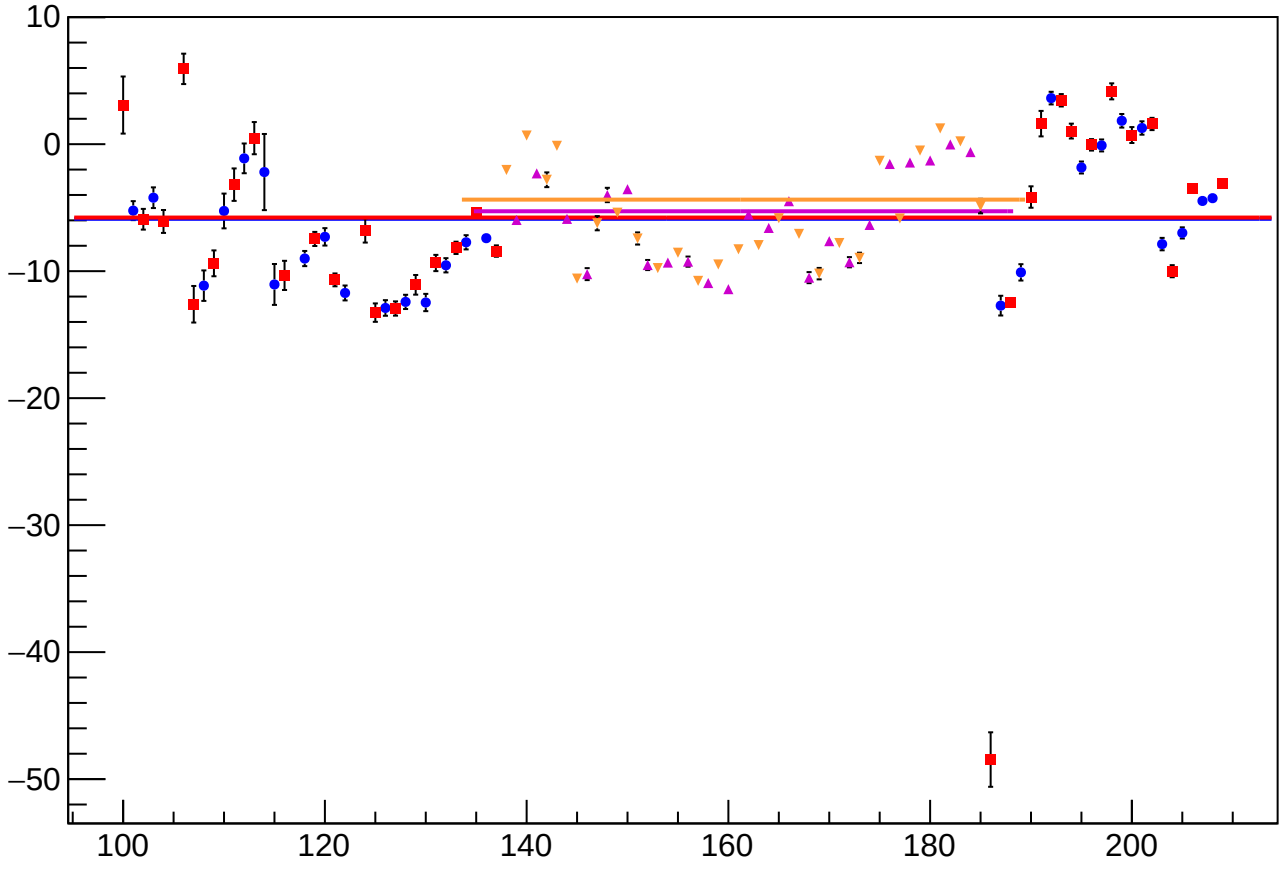
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.188+/-0.050 χ^2/NDF: 10142.8/51

All: -55.357+/-0.036 χ^2/NDF: 22147.5/106

- sign -55.538+/-0.052 χ^2/NDF: 11980.9/54

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.878+/-0.100 χ^2/NDF: 1809.9/26

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.778+/-0.097 χ^2/NDF: 3259.7/31

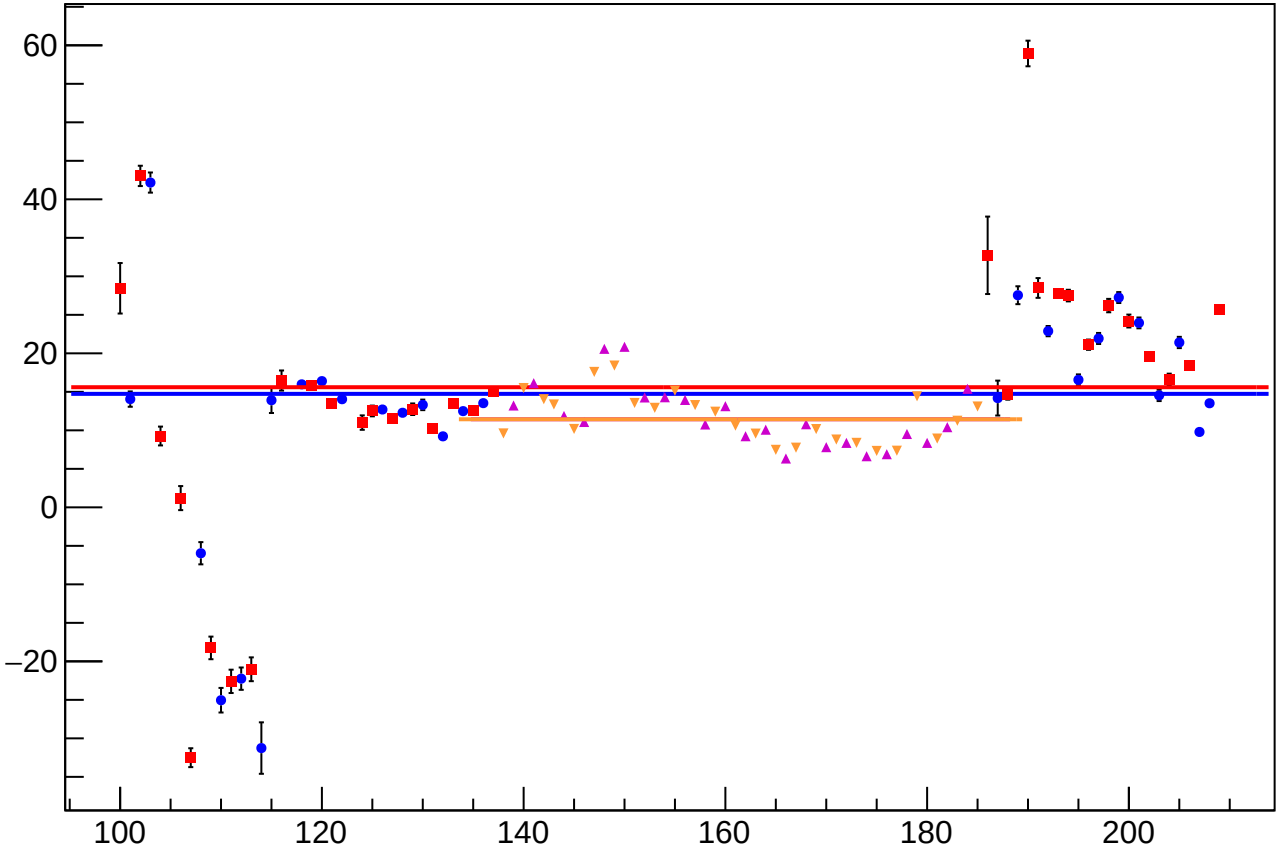
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.855+/-0.057 χ^2/NDF: 5665.4/51

All: -5.153+/-0.040 χ^2/NDF: 11747.4/106

- sign -5.456+/-0.057 χ^2/NDF: 6026.8/54

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.737+/-0.124 χ^2/NDF: 3304.7/26

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.600+/-0.125 χ^2/NDF: 6231.2/31

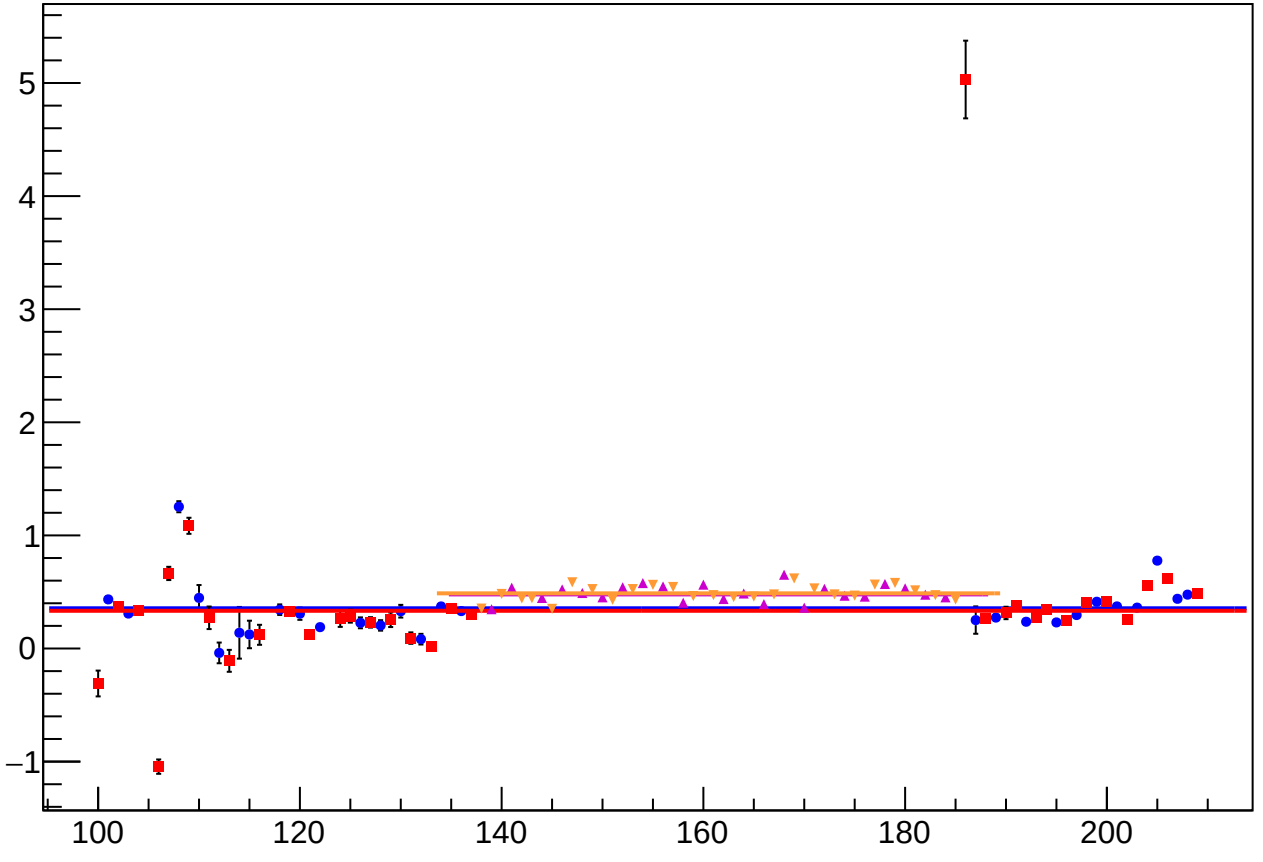
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.096+/-0.055 χ^2/NDF: 6305.7/51

All: 12.200+/-0.040 χ^2/NDF: 16779.3/106

- sign 12.310+/-0.057 χ^2/NDF: 10466.3/54

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.356+/-0.005 χ^2/NDF: 723.5/26

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.334+/-0.005 χ^2/NDF: 1326.1/31

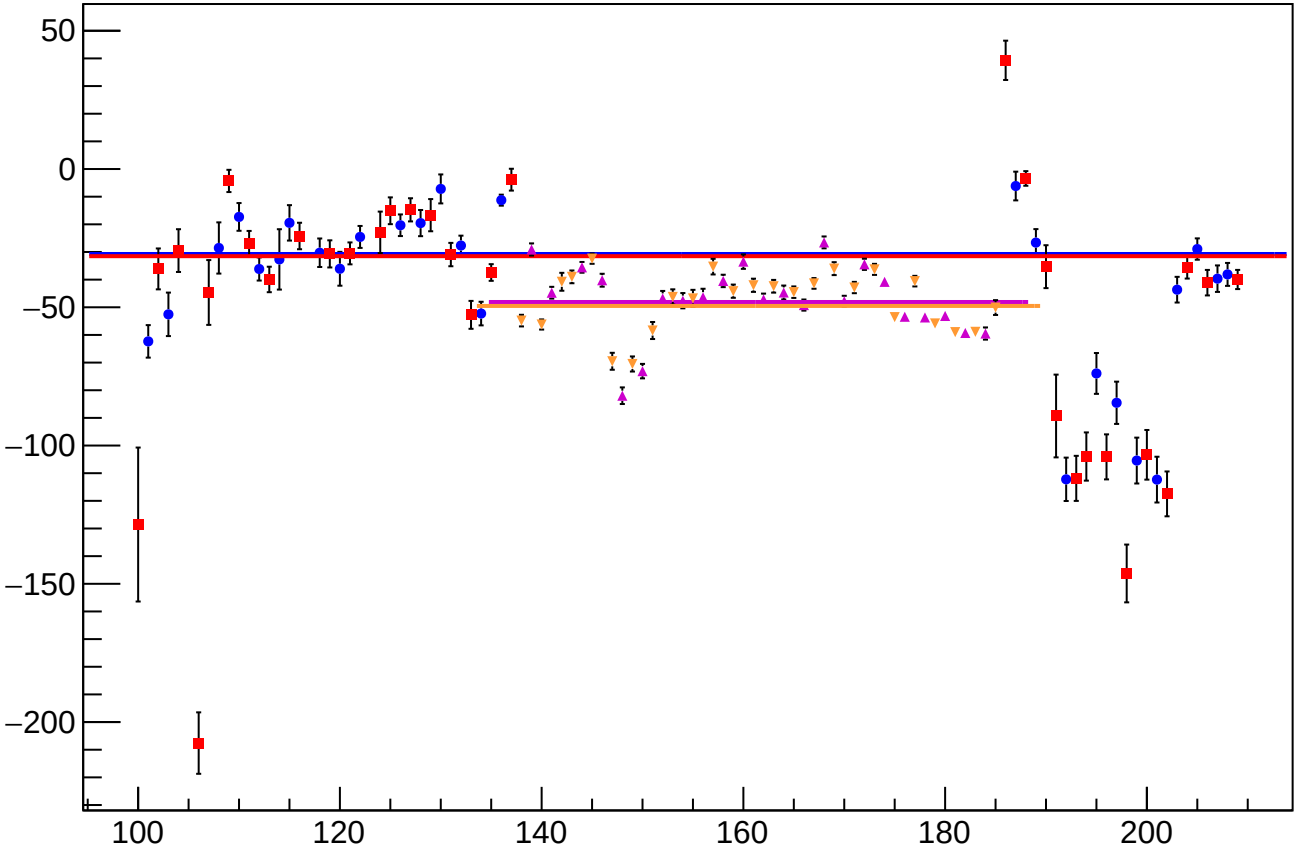
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1740.3/51

All: 0.455+/-0.002 χ^2/NDF: 4436.7/106

- sign 0.449+/-0.002 χ^2/NDF: 2684.7/54

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -30.728+/-0.905 χ^2/NDF: 614.6/26

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -31.522+/-0.902 χ^2/NDF: 1205.0/31

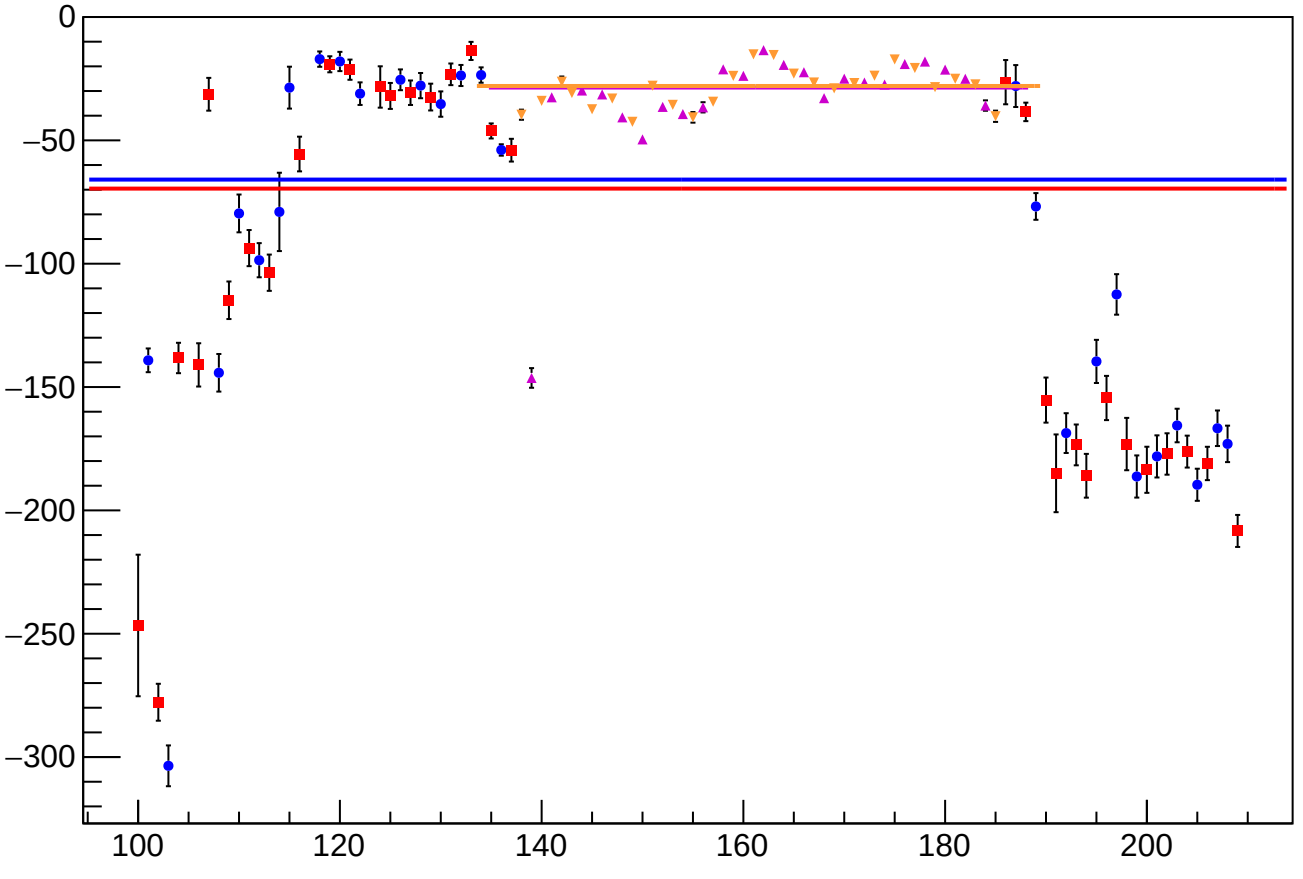
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.412+/-0.368 χ^2/NDF: 1551.1/51

All: -45.803+/-0.264 χ^2/NDF: 3745.4/106

- sign -45.153+/-0.380 χ^2/NDF: 2188.7/54

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -65.902+/-0.987 χ^2/NDF: 3798.0/26

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -69.556+/-1.021 χ^2/NDF: 4143.8/31

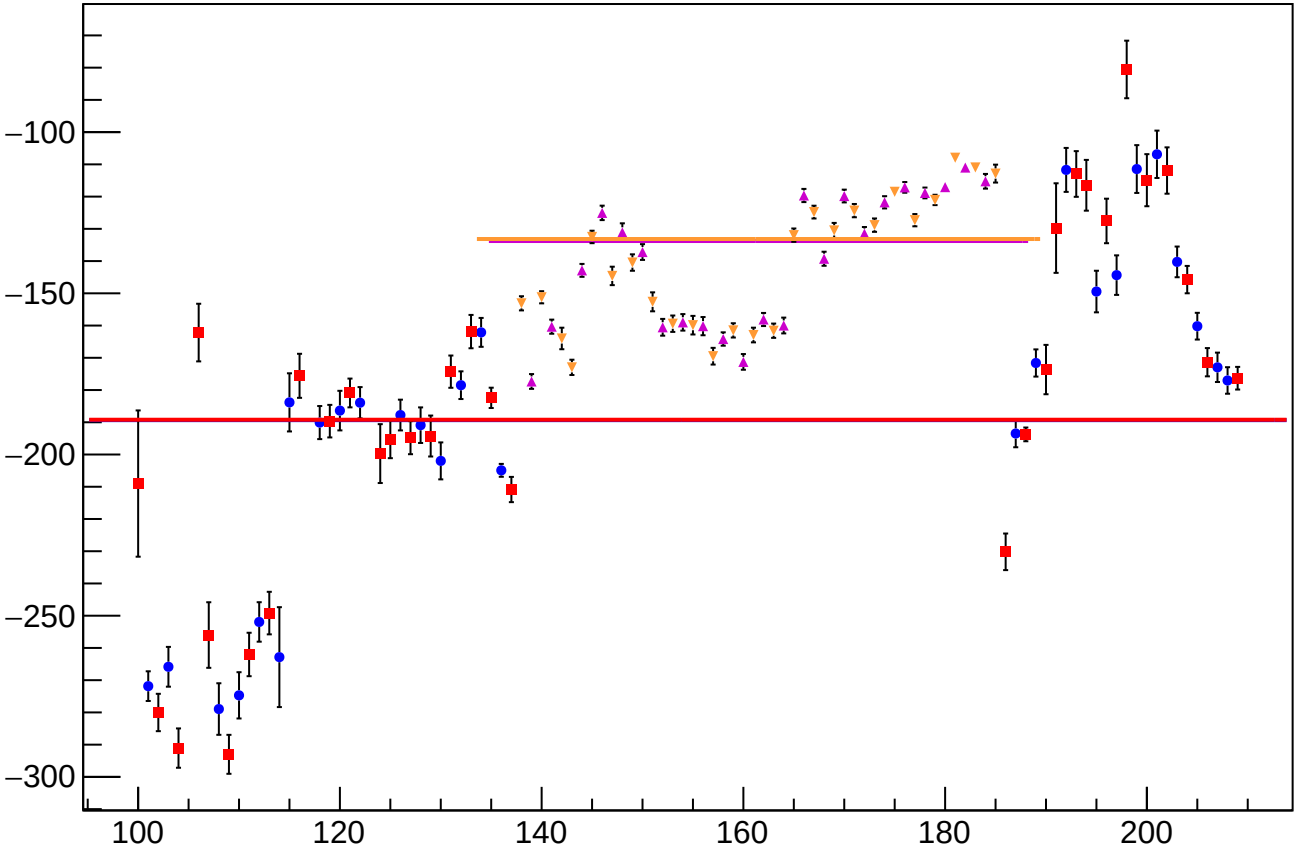
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -31.589+/-0.305 χ^2/NDF: 5632.3/51

All: -32.048+/-0.220 χ^2/NDF: 12715.2/106

- sign -32.542+/-0.317 χ^2/NDF: 7078.2/54

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -189.338+/-0.933 χ^2/NDF: 1634.1/26

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.215+/-0.922 χ^2/NDF: 1998.6/31

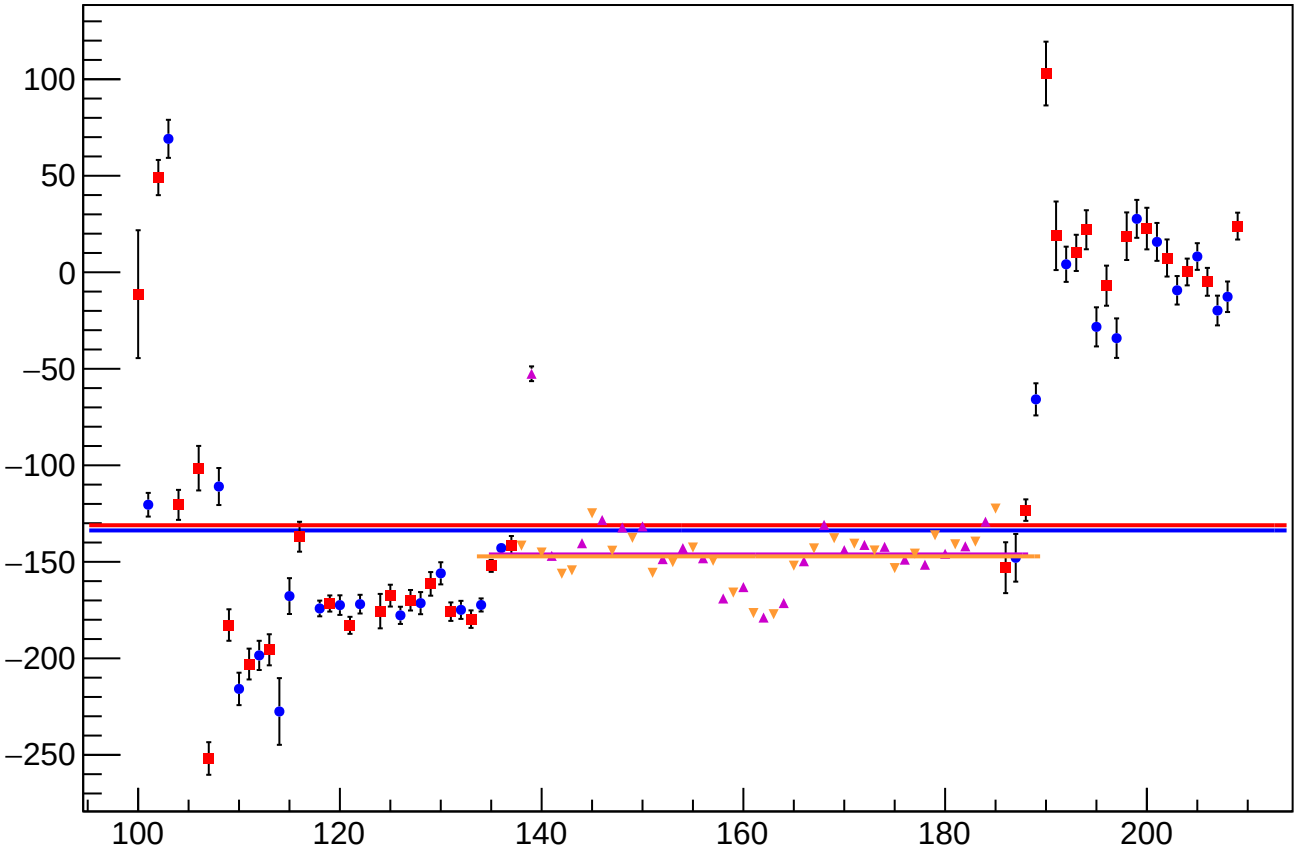
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.991+/-0.370 χ^2/NDF: 7222.8/51

All: -142.578+/-0.265 χ^2/NDF: 14670.6/106

- sign -143.197+/-0.380 χ^2/NDF: 7442.7/54

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -133.739+/-1.110 χ^2/NDF: 3401.9/26

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -131.044+/-1.169 χ^2/NDF: 4024.7/31

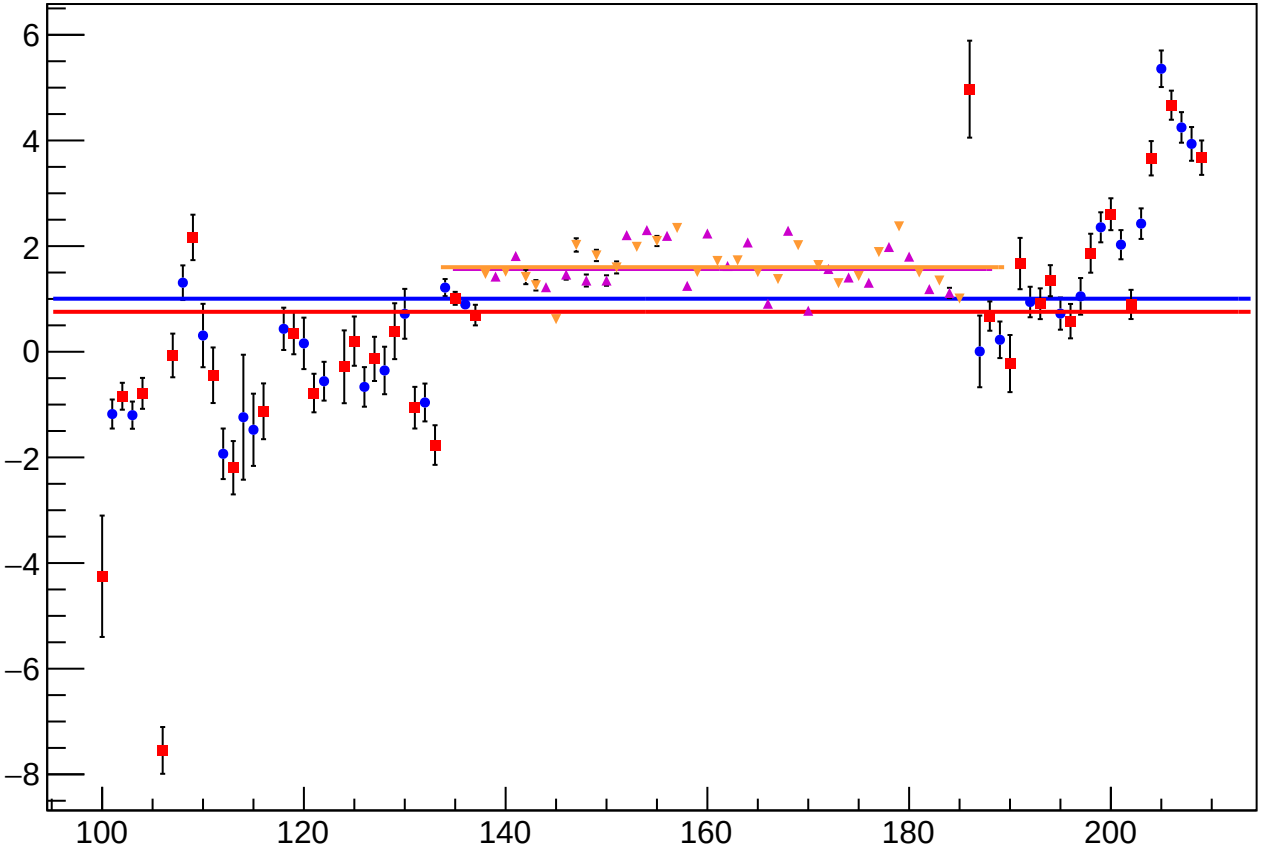
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

\+ sign -145.902+/-0.341 χ^2/NDF: 4780.0/51

All: -145.366+/-0.245 χ^2/NDF: 10755.8/106

\- sign -144.791+/-0.353 χ^2/NDF: 5970.7/54

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.004+/-0.054 χ^2/NDF: 715.0/26

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.756+/-0.057 χ^2/NDF: 1044.3/31

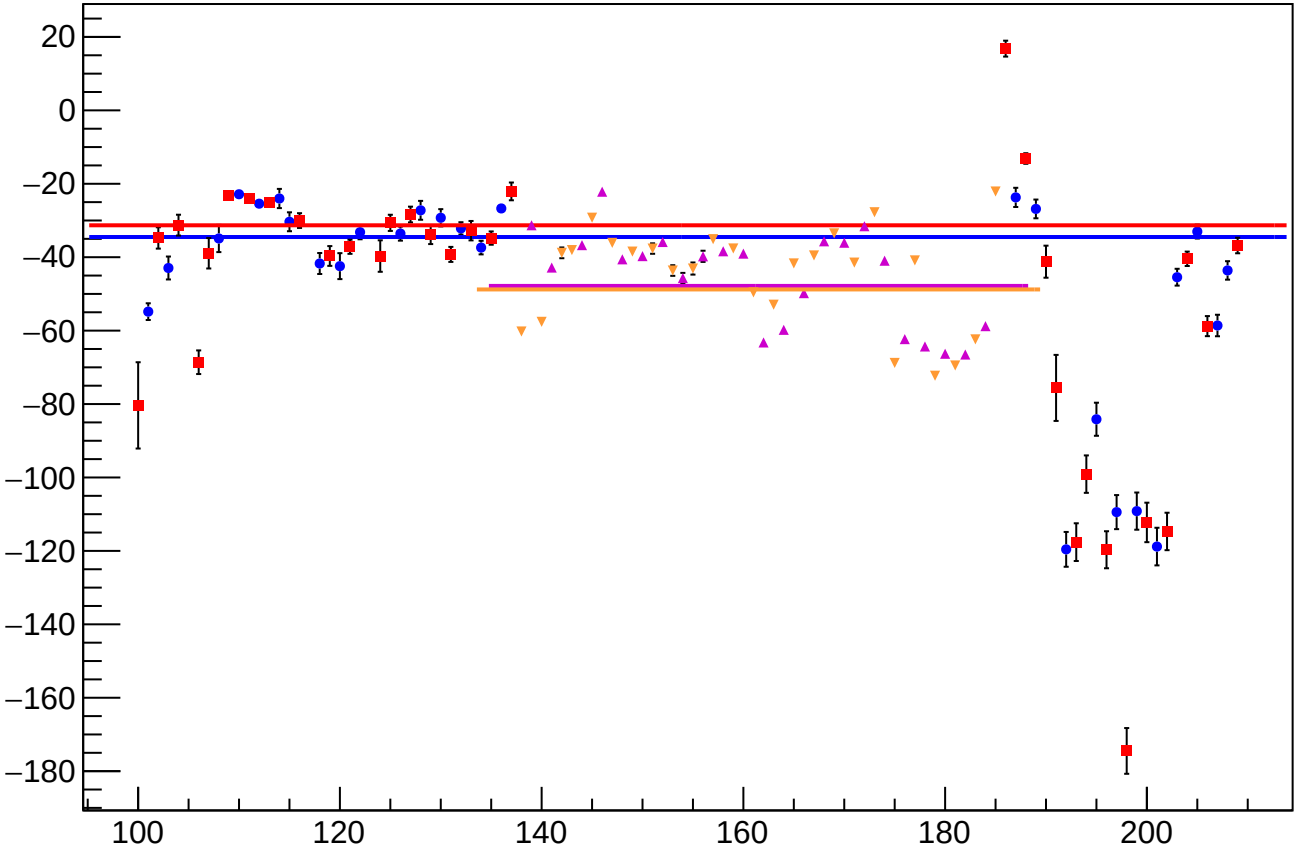
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.552+/-0.015 χ^2/NDF: 1410.3/51

All: 1.529+/-0.011 χ^2/NDF: 3382.2/106

- sign 1.505+/-0.016 χ^2/NDF: 1967.3/54

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.500+/-0.414 χ^2/NDF: 1655.1/26

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.308+/-0.392 χ^2/NDF: 2942.6/31

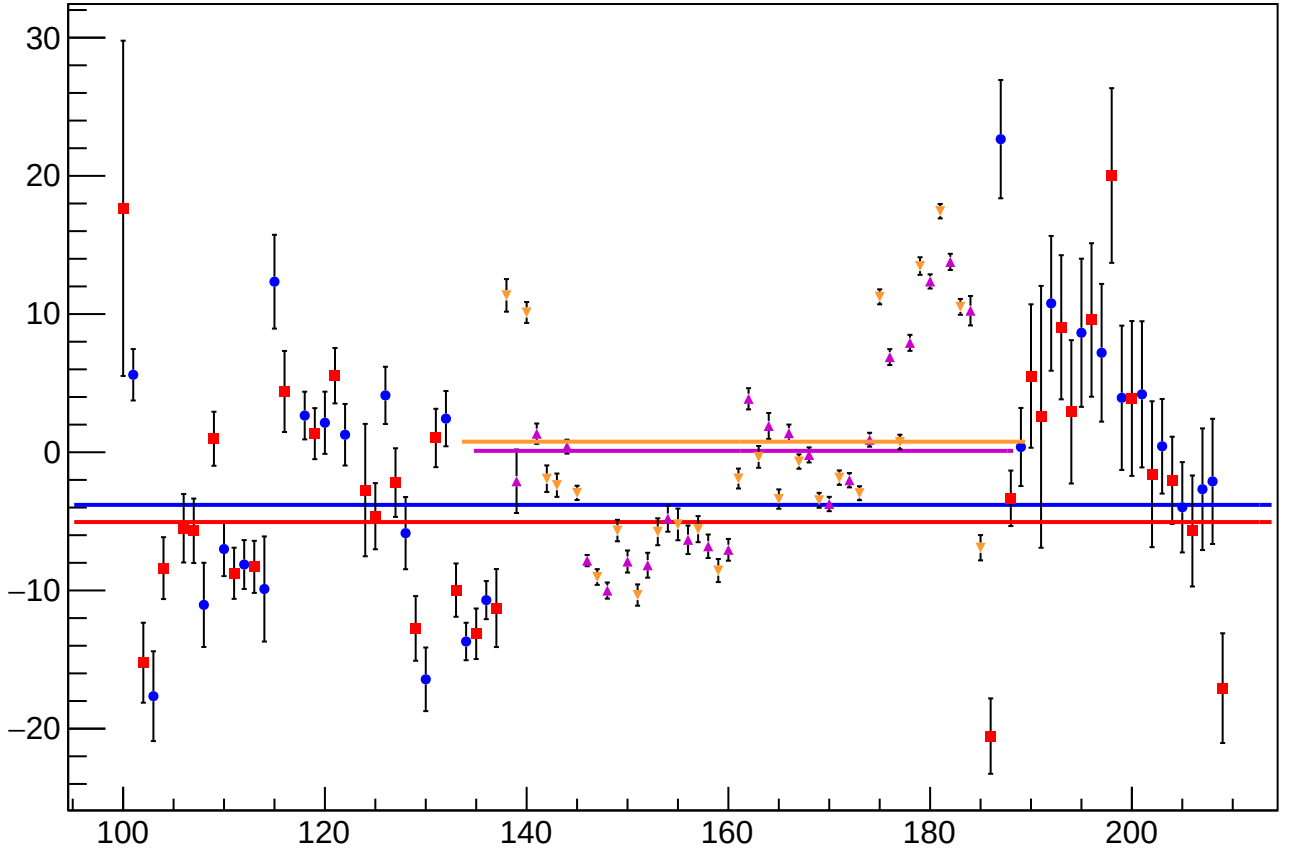
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.791+/-0.155 χ^2/NDF: 11632.0/51

All: -46.004+/-0.110 χ^2/NDF: 23346.0/106

- sign -45.205+/-0.156 χ^2/NDF: 11661.8/54

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.807+/-0.471 χ^2/NDF: 308.5/26

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.050+/-0.471 χ^2/NDF: 219.8/31

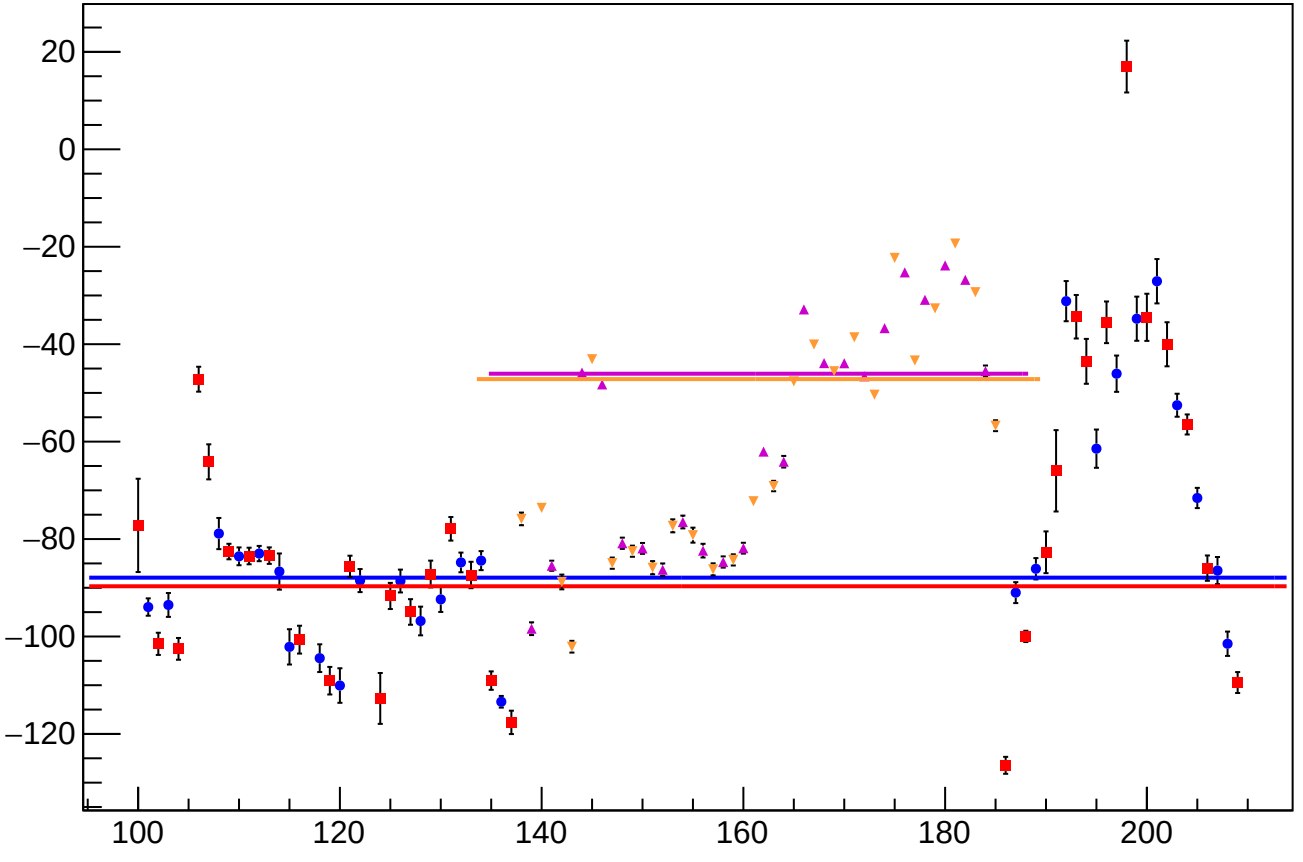
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.432+/-0.127 χ^2/NDF: 3862.9/51

All: 0.078+/-0.090 χ^2/NDF: 6930.7/106

- sign -0.278+/-0.128 χ^2/NDF: 3052.3/54

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -87.922+/-0.452 χ^2/NDF: 1597.0/26

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -89.690+/-0.430 χ^2/NDF: 2740.4/31

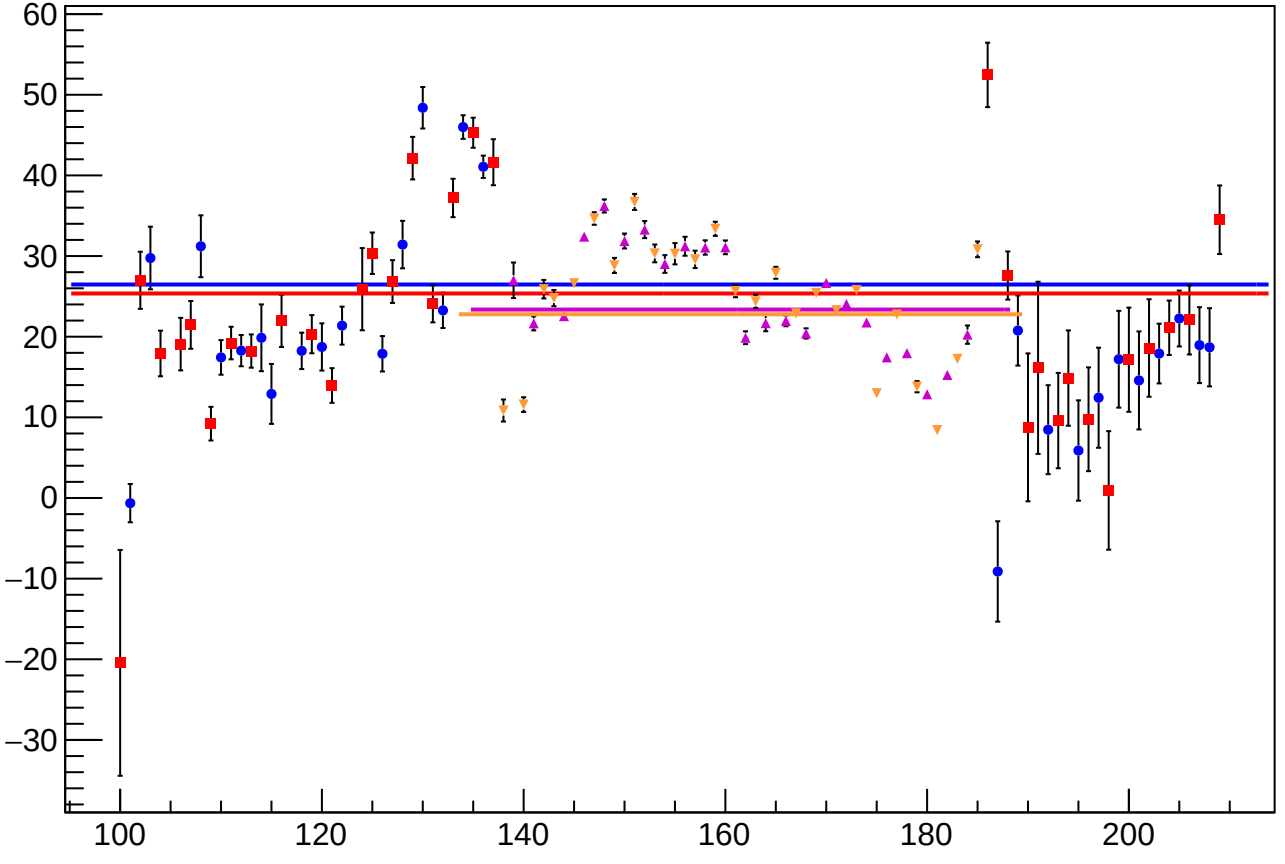
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -52.082+/-0.157 χ^2/NDF: 26391.6/51

All: -52.028+/-0.111 χ^2/NDF: 52814.7/106

- sign -51.973+/-0.158 χ^2/NDF: 26422.9/54

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.471+/-0.531 χ^2/NDF: 670.3/26

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.359+/-0.541 χ^2/NDF: 442.1/31

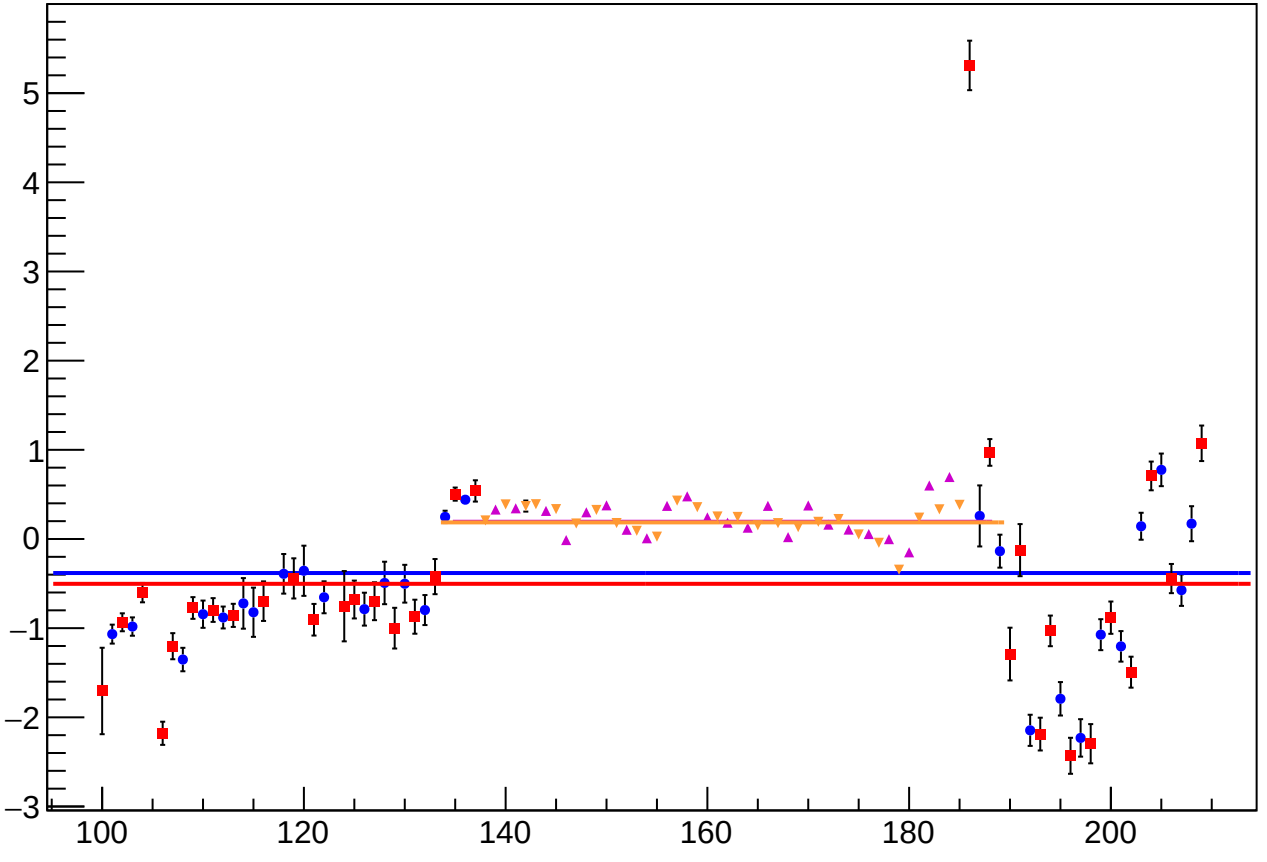
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.046+/-0.142 χ^2/NDF: 3128.1/51

All: 23.273+/-0.101 χ^2/NDF: 5373.3/106

- sign 23.506+/-0.143 χ^2/NDF: 2240.0/54

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.382+/-0.027 χ^2/NDF: 809.0/26

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.503+/-0.028 χ^2/NDF: 1462.7/31

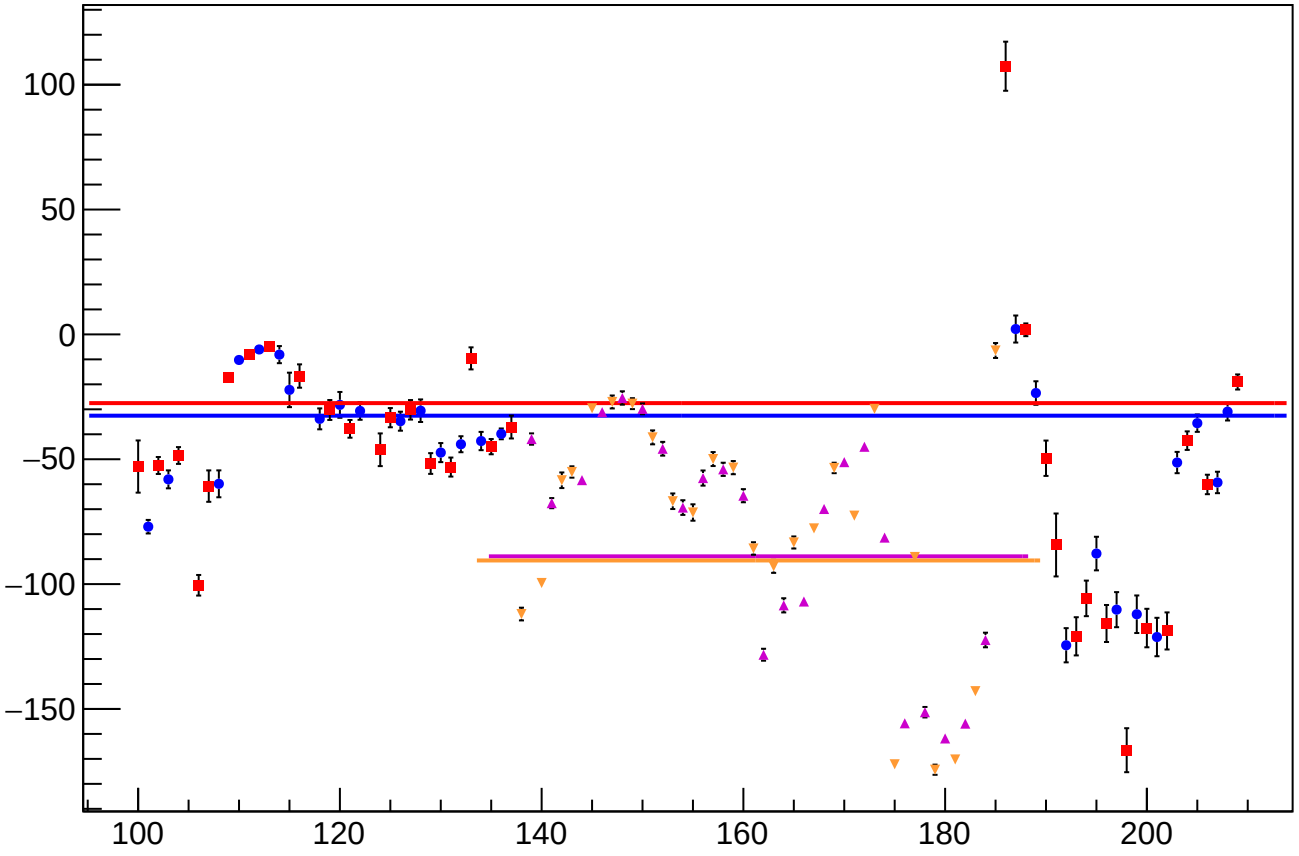
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.154+/-0.006 χ^2/NDF: 1876.3/51

All: 0.155+/-0.005 χ^2/NDF: 4864.3/106

- sign 0.156+/-0.006 χ^2/NDF: 2987.9/54

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.555+/-0.654 χ^2/NDF: 1652.6/26

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.520+/-0.596 χ^2/NDF: 2403.8/31

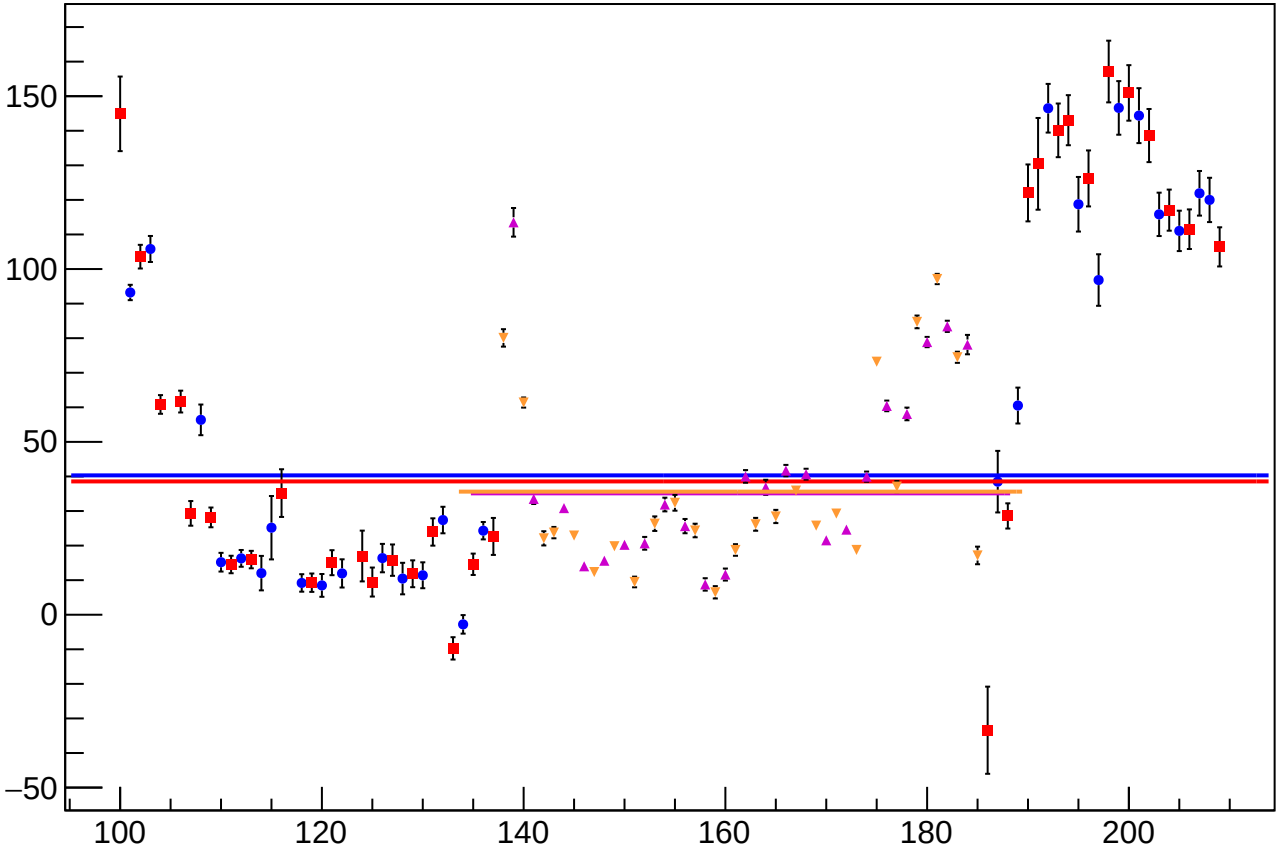
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

\+ sign -73.531+/-0.354 χ^2/NDF: 22565.7/51

All: -70.531+/-0.249 χ^2/NDF: 43852.1/106

\- sign -67.584+/-0.351 χ^2/NDF: 21144.2/54

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 40.313+/-0.751 χ^2/NDF: 3206.3/26

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 38.563+/-0.733 χ^2/NDF: 3078.6/31

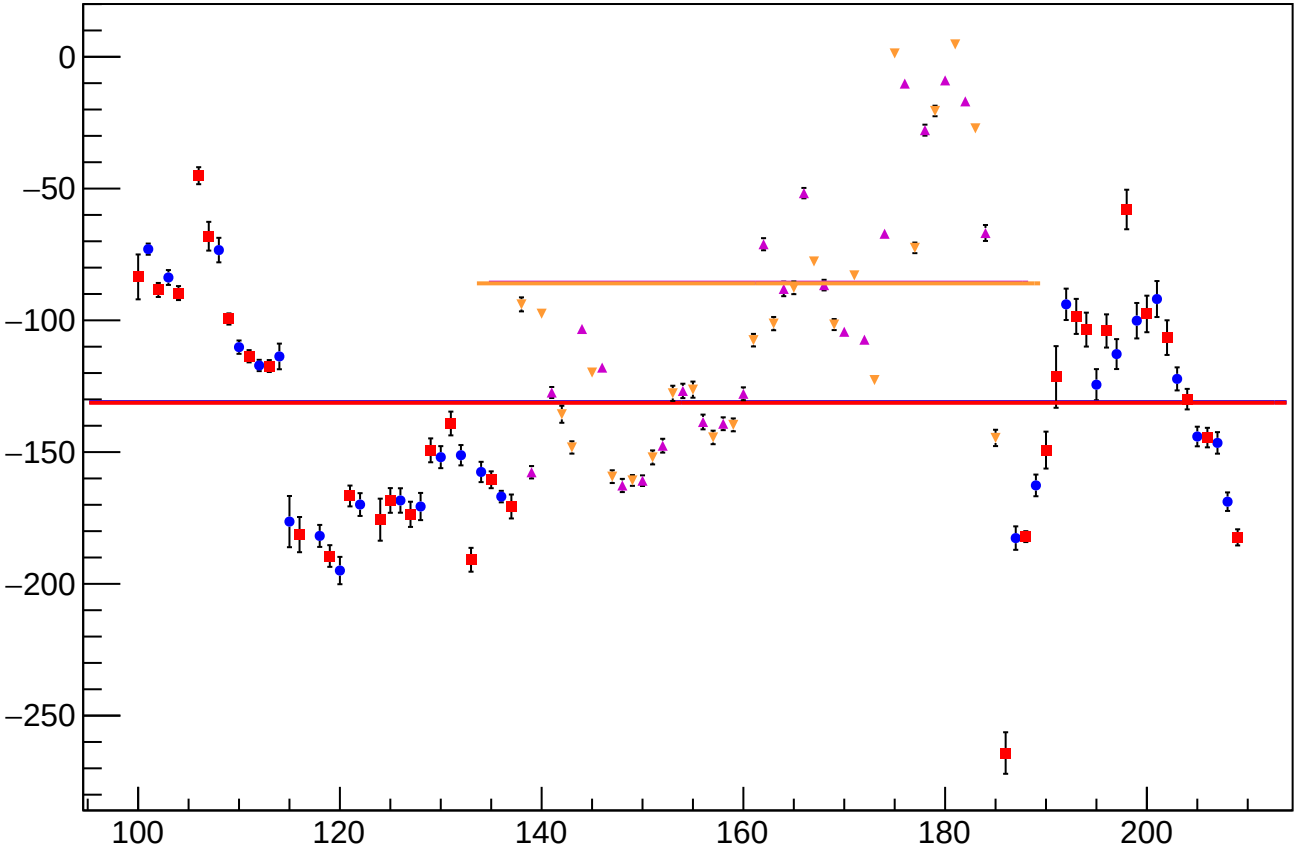
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 36.357+/-0.299 χ^2/NDF: 9212.3/51

All: 36.042+/-0.214 χ^2/NDF: 16456.0/106

- sign 35.712+/-0.306 χ^2/NDF: 7241.4/54

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -131.044+/-0.714 χ^2/NDF: 2643.2/26

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -131.275+/-0.670 χ^2/NDF: 3944.1/31

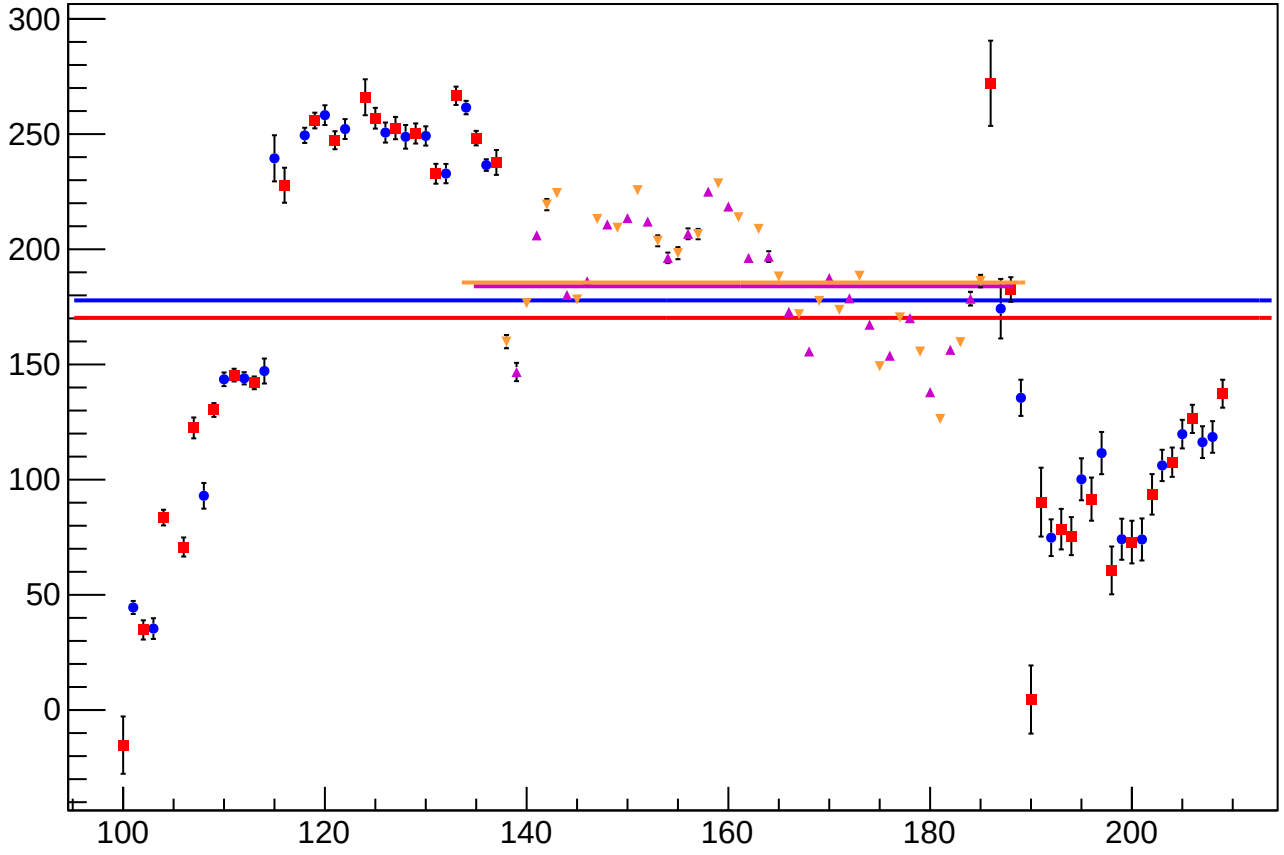
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -97.582+/-0.363 χ^2/NDF: 21831.9/51

All: -98.347+/-0.257 χ^2/NDF: 42810.7/106

- sign -99.114+/-0.363 χ^2/NDF: 20969.9/54

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 177.813+/-0.857 χ^2/NDF: 8182.6/26

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 170.224+/-0.842 χ^2/NDF: 7737.1/31

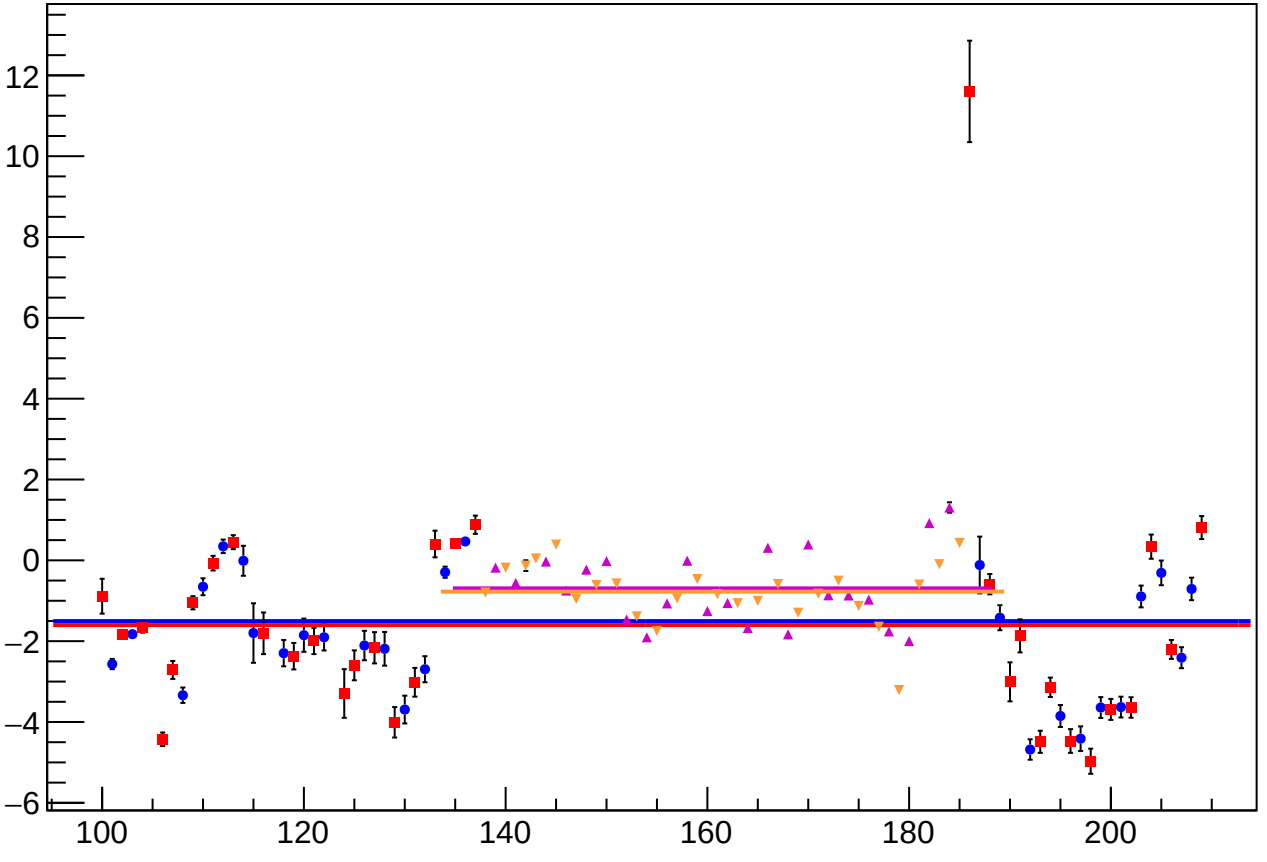
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.380+/-0.337 χ^2/NDF: 13606.8/51

All: 183.041+/-0.241 χ^2/NDF: 25470.7/106

- sign 181.642+/-0.345 χ^2/NDF: 11831.6/54

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.503+/-0.042 χ^2/NDF: 1350.3/26

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.603+/-0.041 χ^2/NDF: 1792.7/31

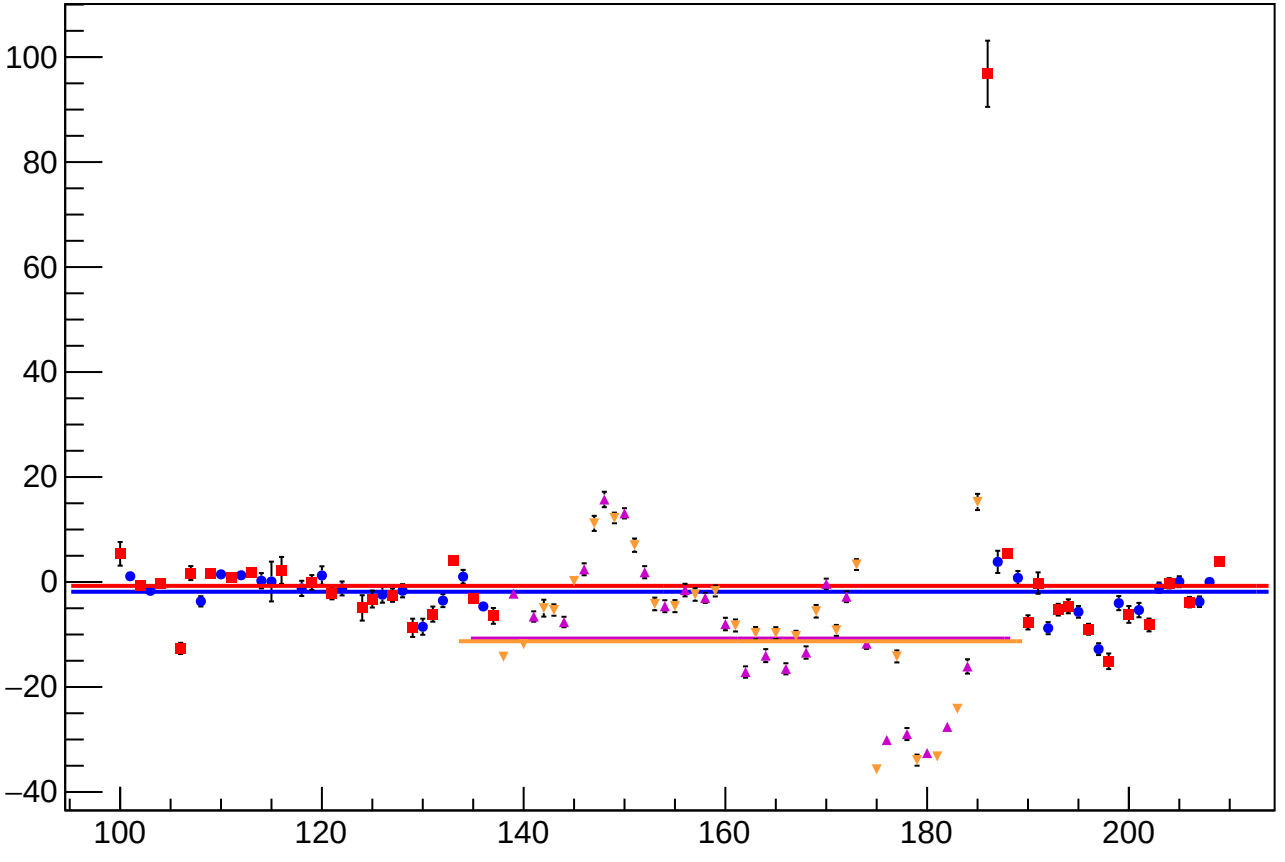
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.871+/-0.015 χ^2/NDF: 3435.5/51

All: -0.848+/-0.011 χ^2/NDF: 8219.7/106

- sign -0.824+/-0.016 χ^2/NDF: 4779.6/54

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.857+/-0.203 χ^2/NDF: 291.4/26

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.733+/-0.180 χ^2/NDF: 926.6/31

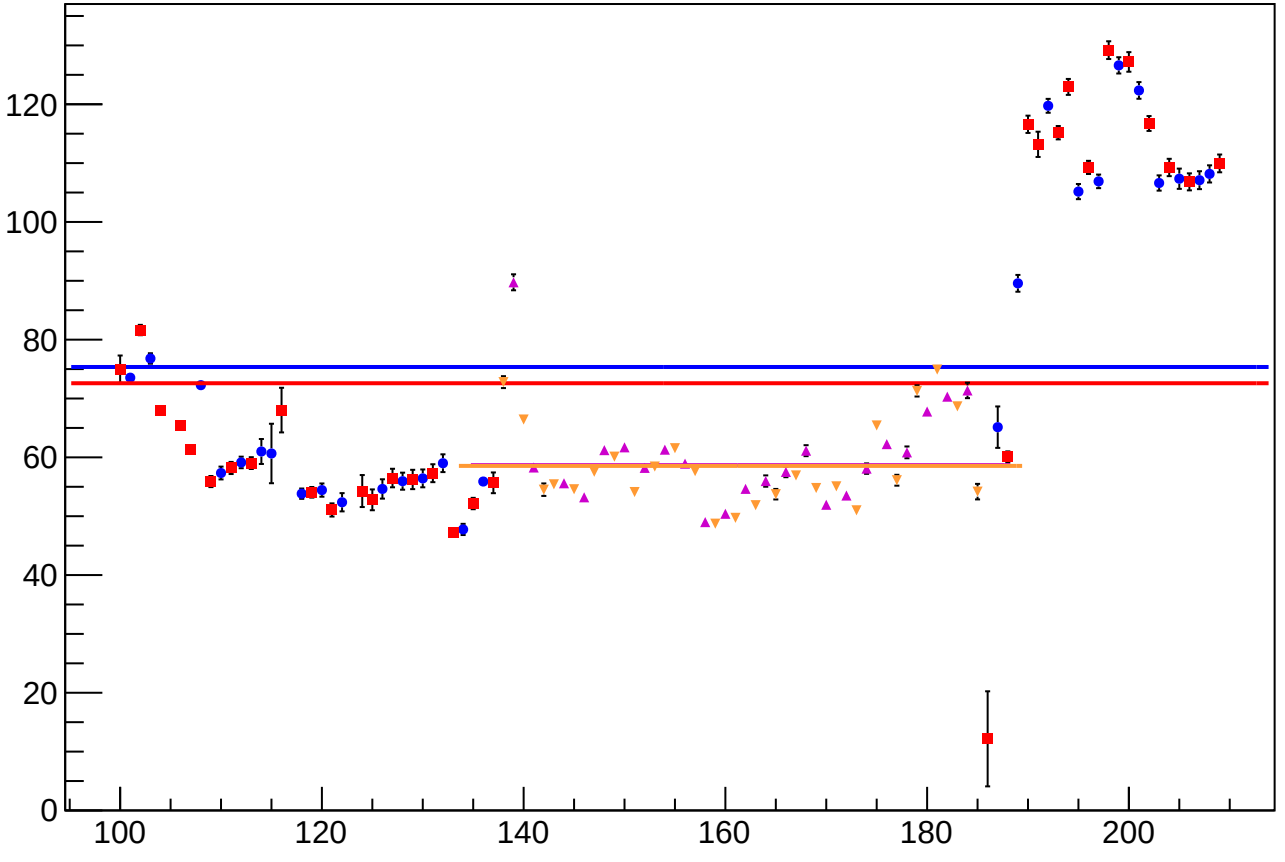
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.467+/-0.145 χ^2/NDF: 5841.3/51

All: -5.646+/-0.100 χ^2/NDF: 11821.5/106

- sign -4.911+/-0.138 χ^2/NDF: 5919.8/54

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 75.356+/-0.225 χ^2/NDF: 10943.4/26

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 72.594+/-0.206 χ^2/NDF: 15274.5/31

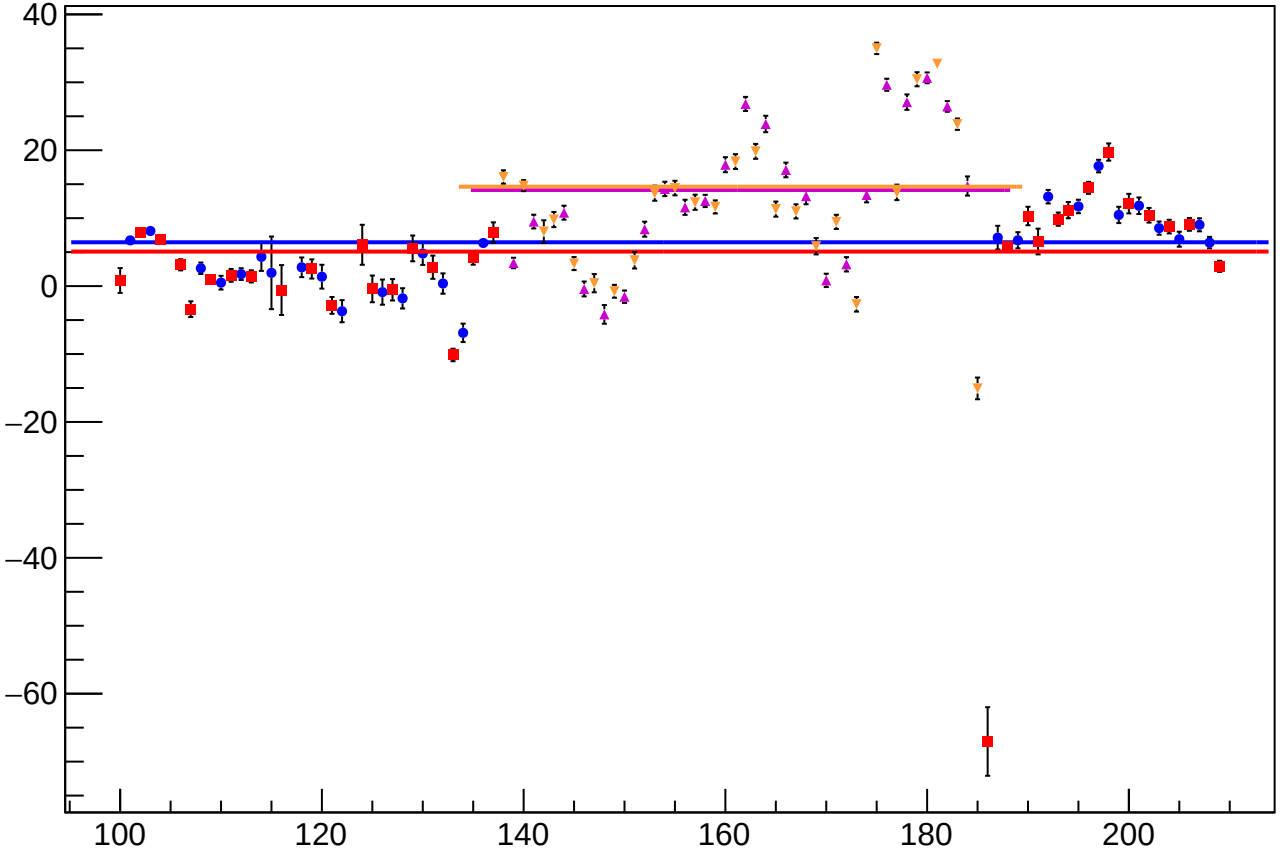
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 64.238+/-0.131 χ^2/NDF: 16525.7/51

All: 64.247+/-0.092 χ^2/NDF: 36151.2/106

- sign 64.256+/-0.130 χ^2/NDF: 19625.5/54

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.452+/-0.203 χ^2/NDF: 569.5/26

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.082+/-0.183 χ^2/NDF: 1107.5/31

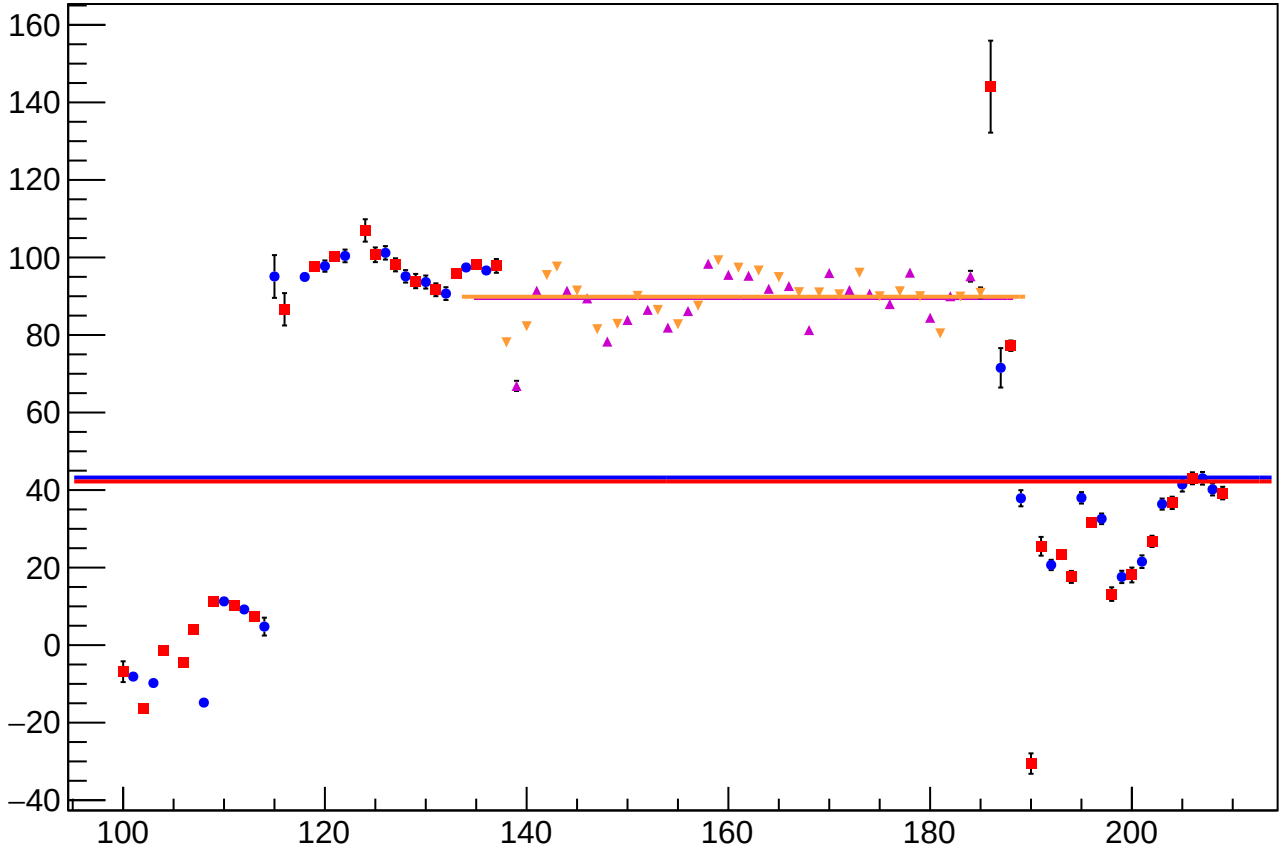
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.478+/-0.145 χ^2/NDF: 4327.5/51

All: 9.685+/-0.100 χ^2/NDF: 9085.5/106

- sign 8.964+/-0.138 χ^2/NDF: 4700.9/54

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.227+/-0.261 χ^2/NDF: 27935.9/26

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.217+/-0.242 χ^2/NDF: 31740.8/31

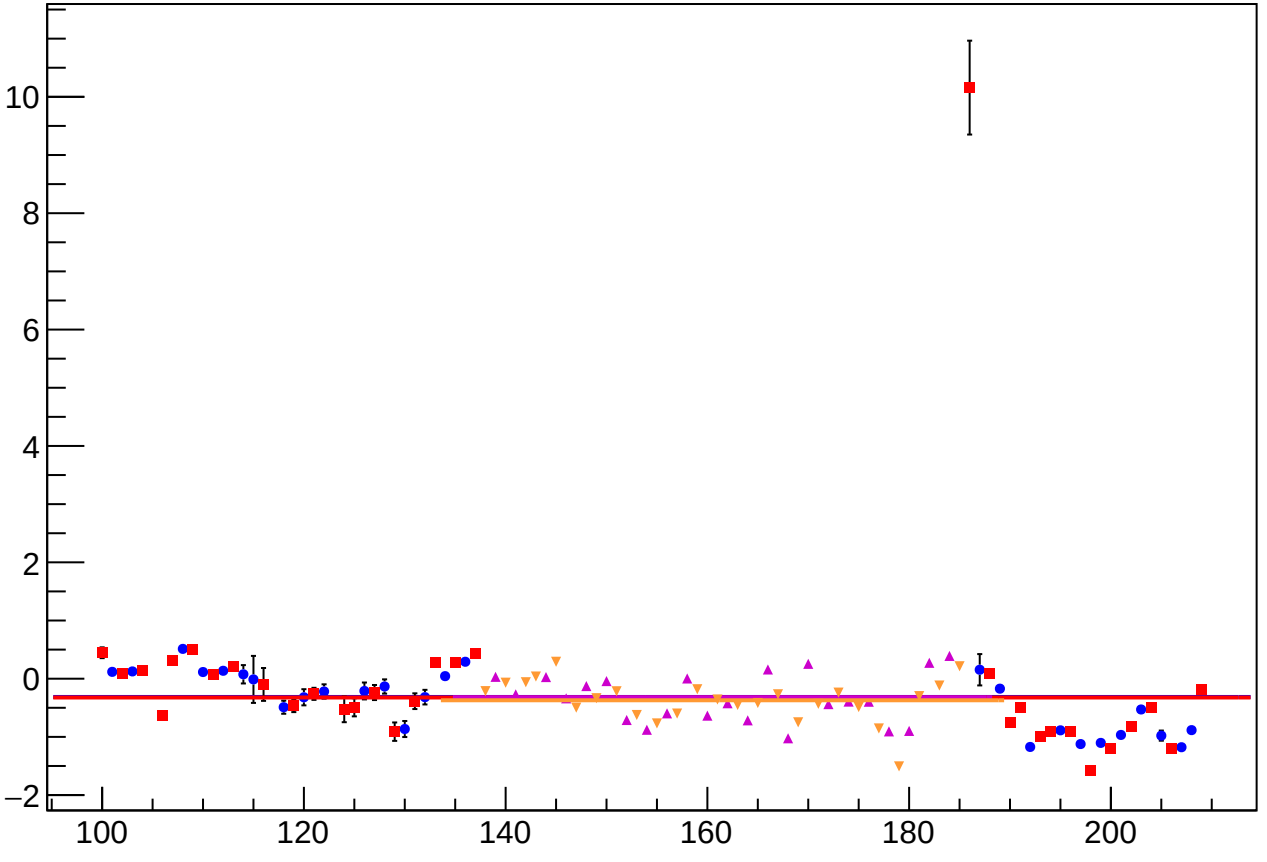
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 74.703+/-0.149 χ^2/NDF: 50599.6/51

All: 73.220+/-0.105 χ^2/NDF: 107575.4/106

- sign 71.749+/-0.148 χ^2/NDF: 56777.9/54

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.314+/-0.011 χ^2/NDF: 3255.2/26

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.323+/-0.010 χ^2/NDF: 3688.2/31

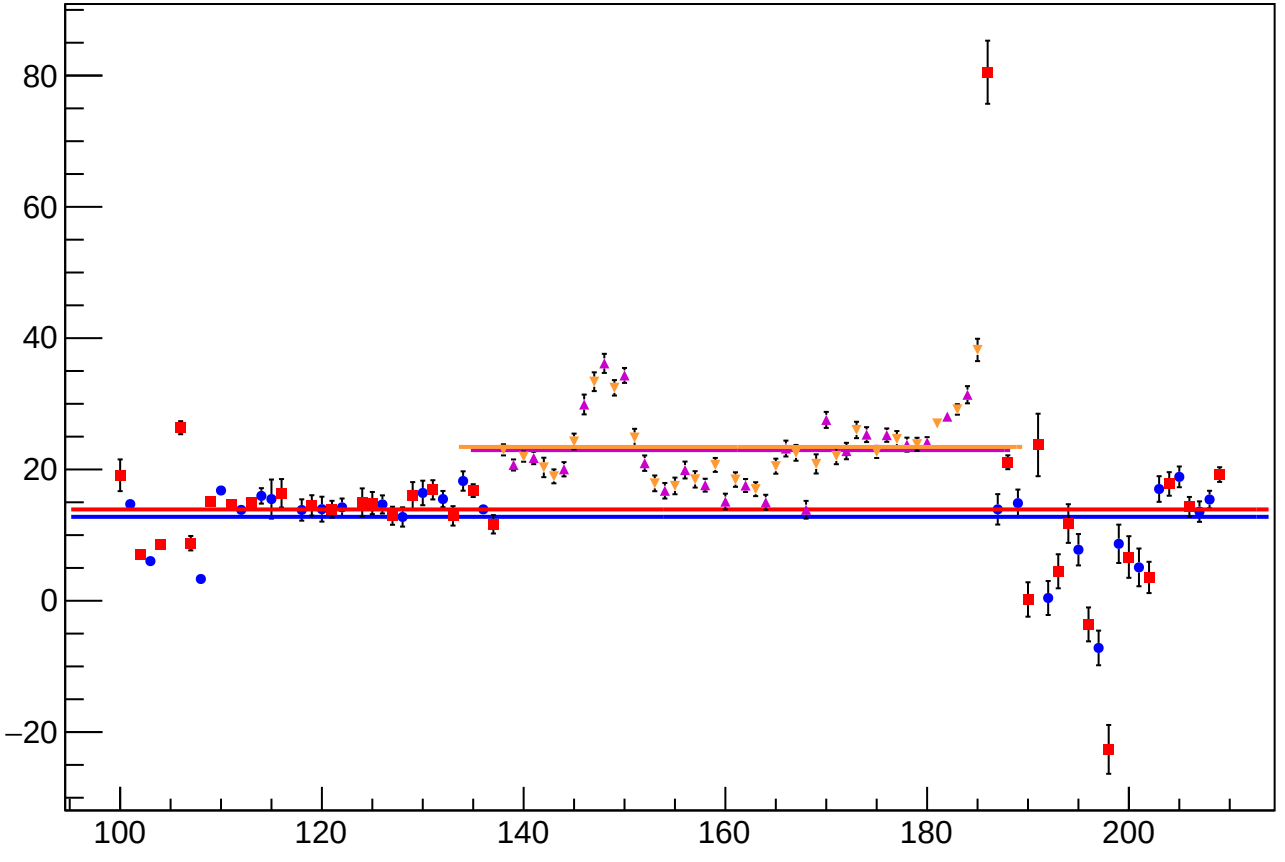
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.350+/-0.006 χ^2/NDF: 5042.8/51

All: -0.335+/-0.004 χ^2/NDF: 11182.7/106

- sign -0.321+/-0.006 χ^2/NDF: 6129.4/54

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.785+/-0.202 χ^2/NDF: 506.6/26

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.912+/-0.191 χ^2/NDF: 881.9/31

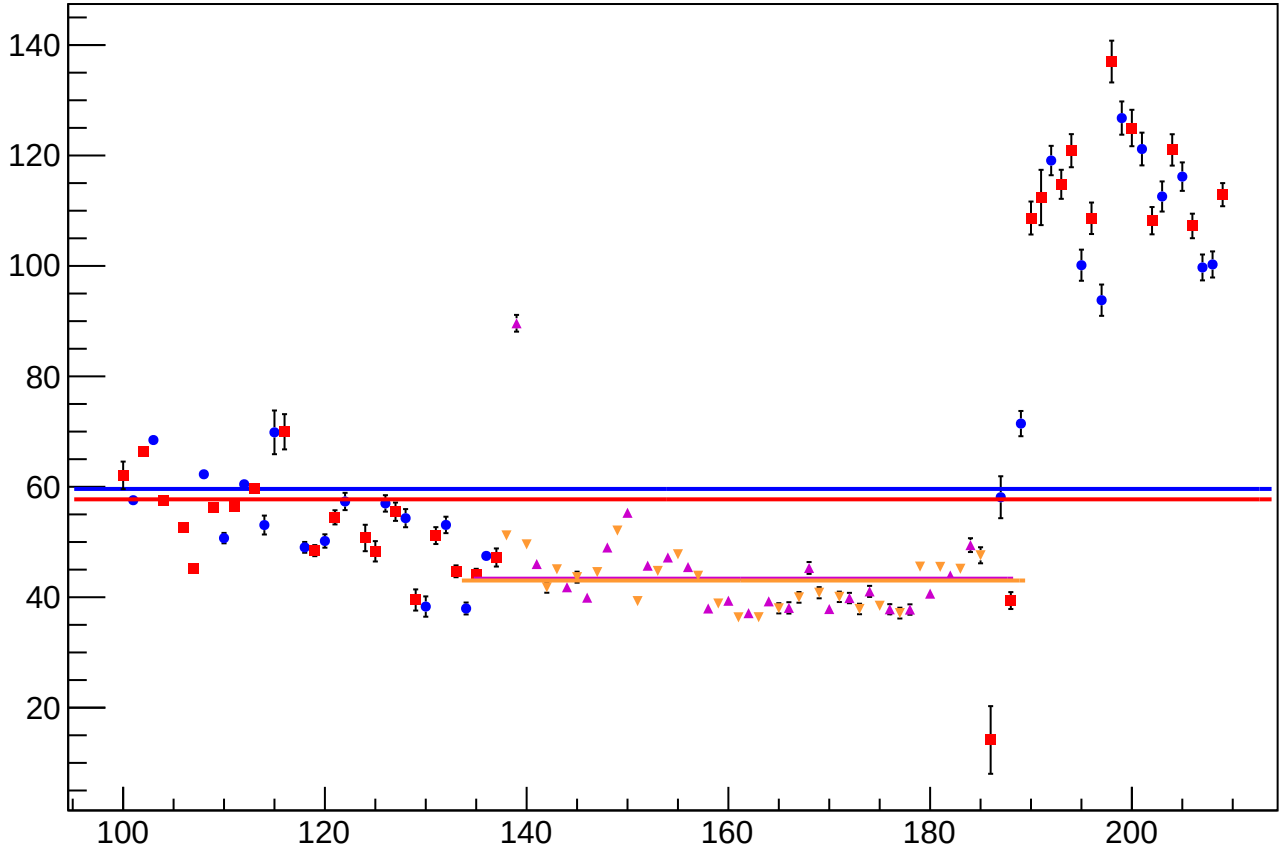
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

\+ sign 17.746+/-0.147 χ^2/NDF: 2233.5/51

All: 17.717+/-0.104 χ^2/NDF: 4616.7/106

\- sign 17.688+/-0.146 χ^2/NDF: 2383.2/54

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 59.613+/-0.214 χ^2/NDF: 4546.9/26

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 57.729+/-0.215 χ^2/NDF: 6055.0/31

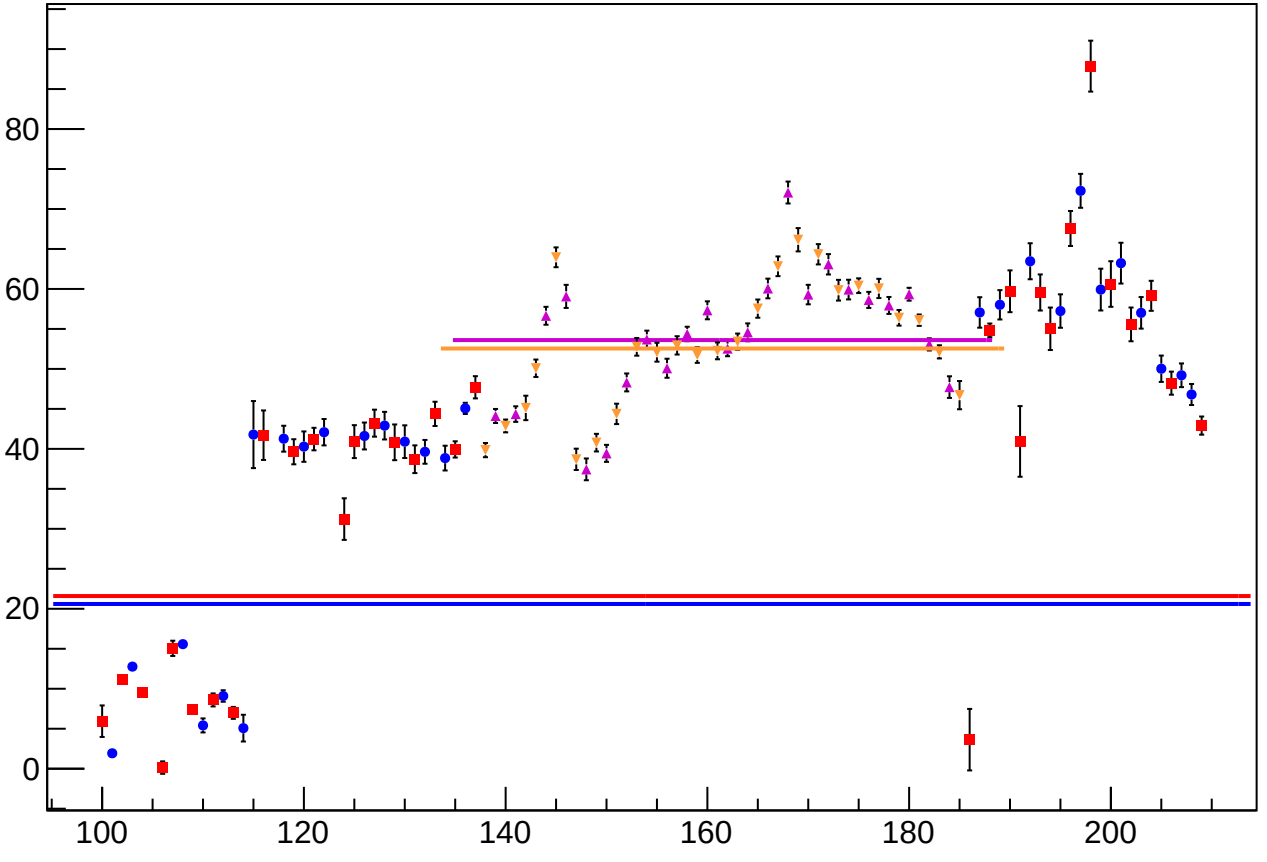
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.321+/-0.132 χ^2/NDF: 9056.3/51

All: 49.252+/-0.095 χ^2/NDF: 19461.2/106

- sign 49.178+/-0.137 χ^2/NDF: 10404.3/54

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 20.601+/-0.200 χ^2/NDF: 9707.5/26

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 21.594+/-0.200 χ^2/NDF: 9327.2/31

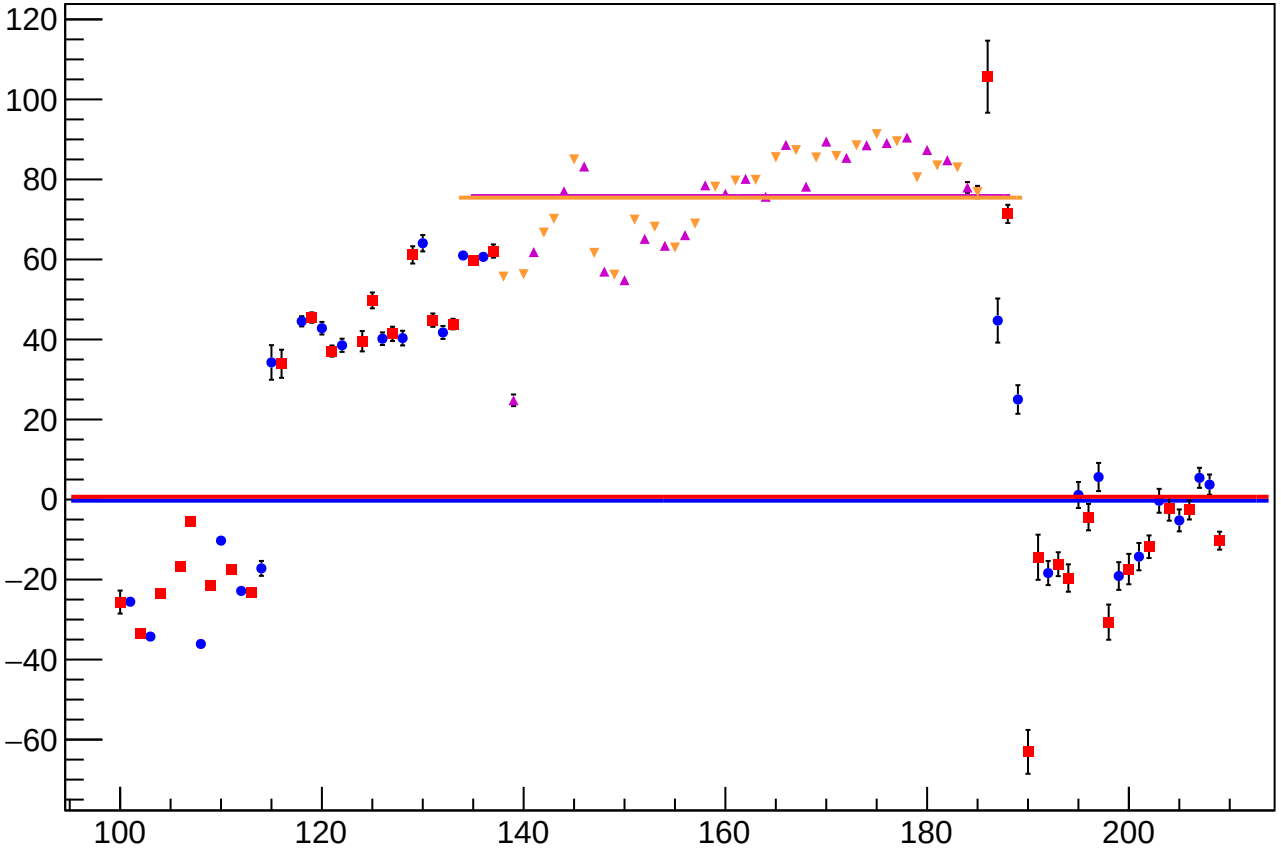
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.448+/-0.146 χ^2/NDF: 22759.6/51

All: 35.657+/-0.104 χ^2/NDF: 44531.7/106

- sign 35.873+/-0.149 χ^2/NDF: 21768.0/54

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.284+/-0.252 χ^2/NDF: 21244.1/26

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.688+/-0.253 χ^2/NDF: 17464.8/31

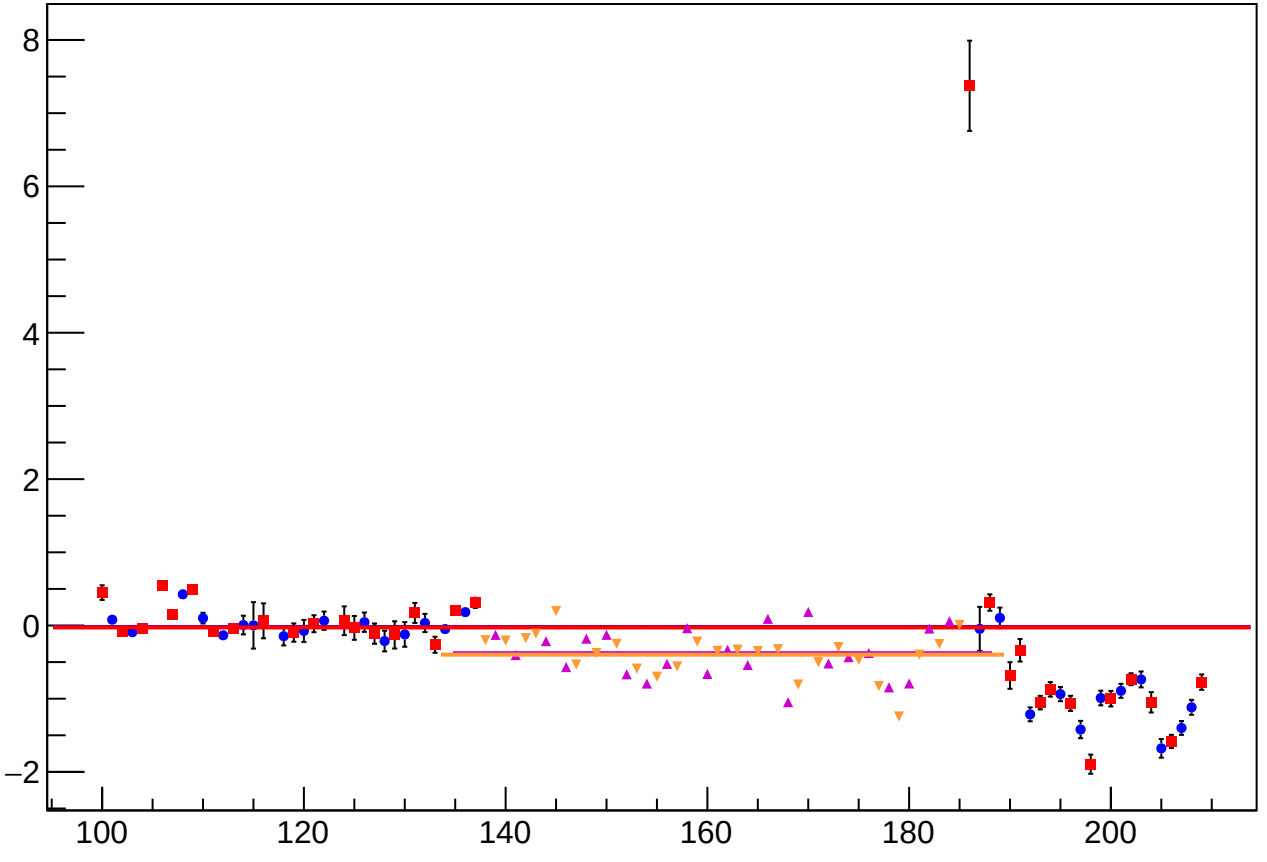
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.290+/-0.151 χ^2/NDF: 82694.5/51

All: 47.842+/-0.108 χ^2/NDF: 159448.9/106

- sign 47.366+/-0.155 χ^2/NDF: 76736.3/54

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.021+/-0.011 χ^2/NDF: 1515.2/26

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.026+/-0.011 χ^2/NDF: 1732.3/31

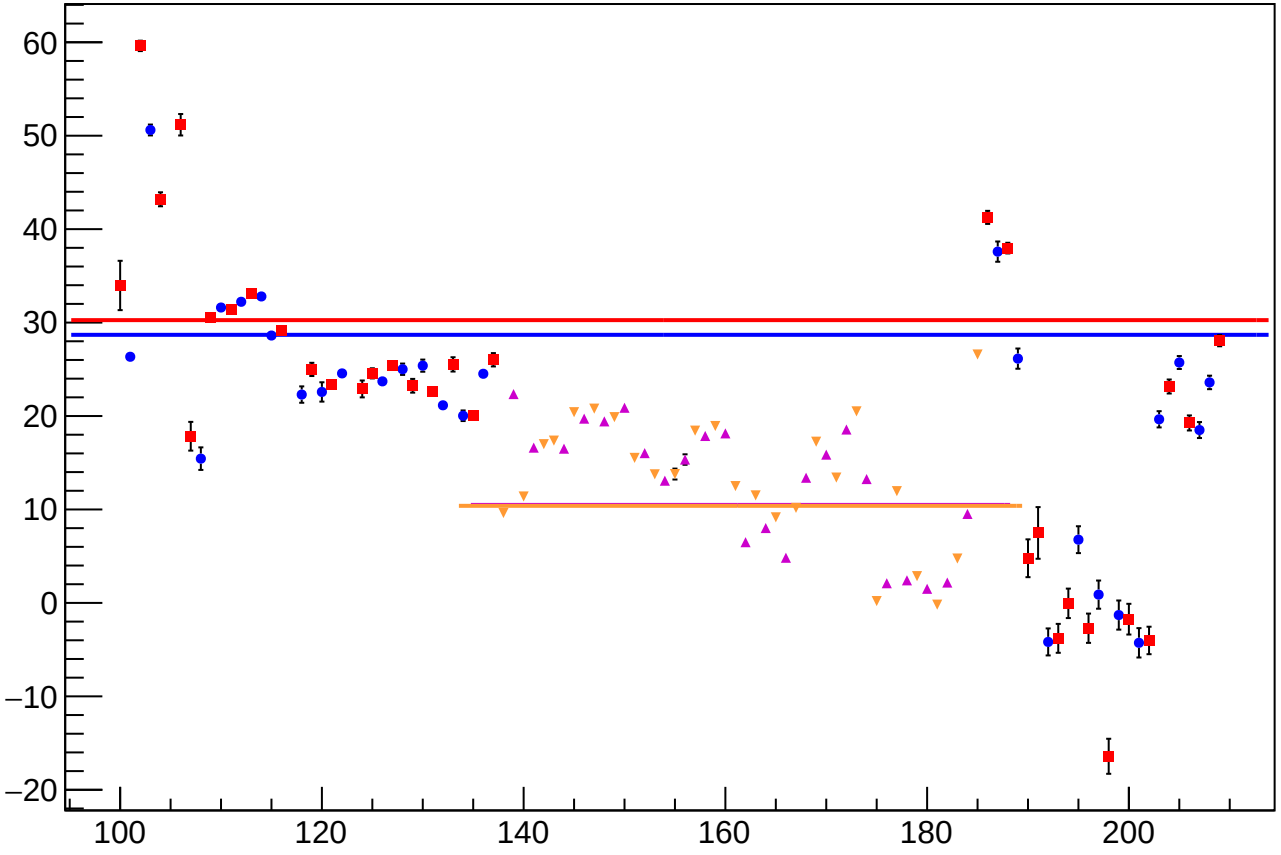
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.253+/-0.007 χ^2/NDF: 3321.6/51

All: -0.246+/-0.005 χ^2/NDF: 7062.7/106

- sign -0.240+/-0.007 χ^2/NDF: 3739.2/54

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.690+/-0.088 χ^2/NDF: 5748.6/26

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.263+/-0.077 χ^2/NDF: 8904.2/31

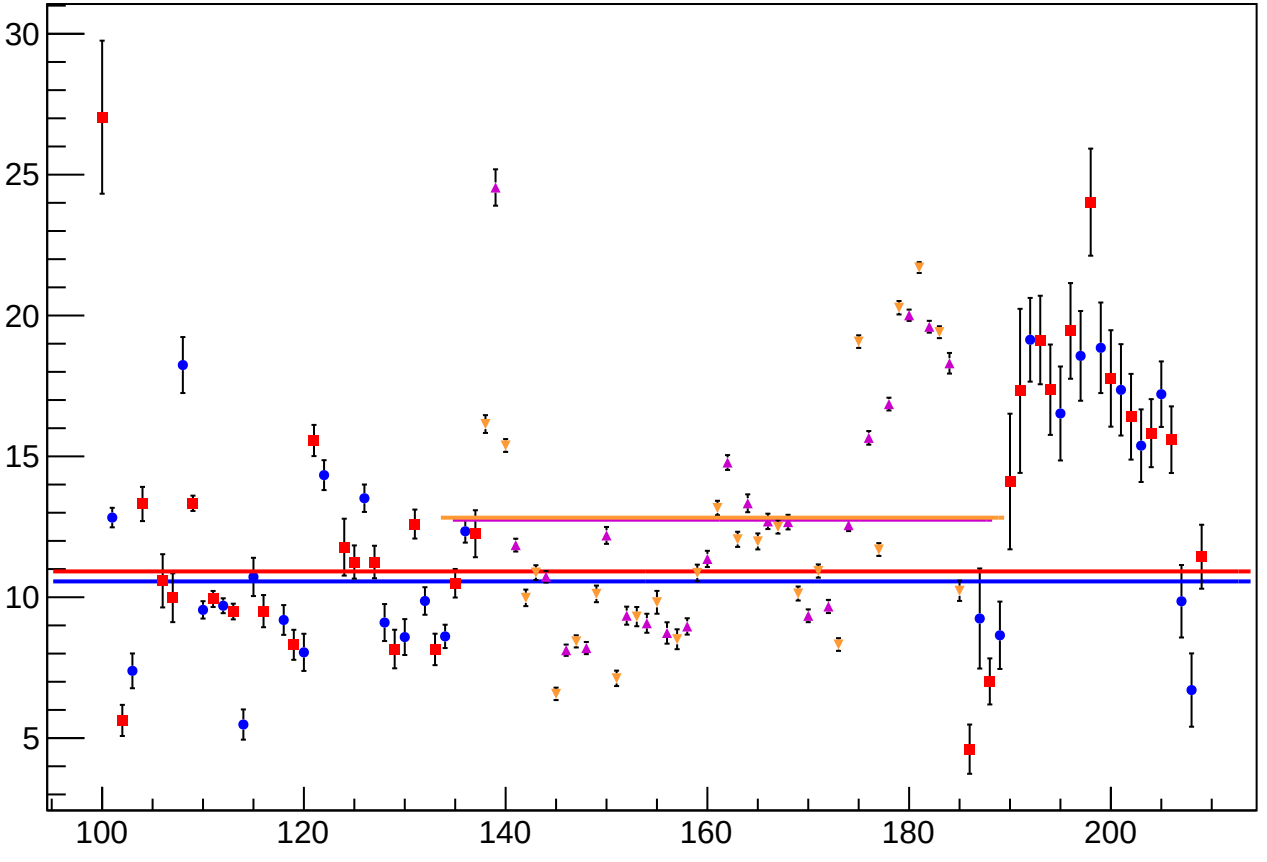
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.729+/-0.052 χ^2/NDF: 47752.4/51

All: 17.898+/-0.036 χ^2/NDF: 106894.3/106

- sign 19.003+/-0.050 χ^2/NDF: 58152.9/54

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.562+/-0.110 χ^2/NDF: 581.4/26

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.917+/-0.108 χ^2/NDF: 676.7/31

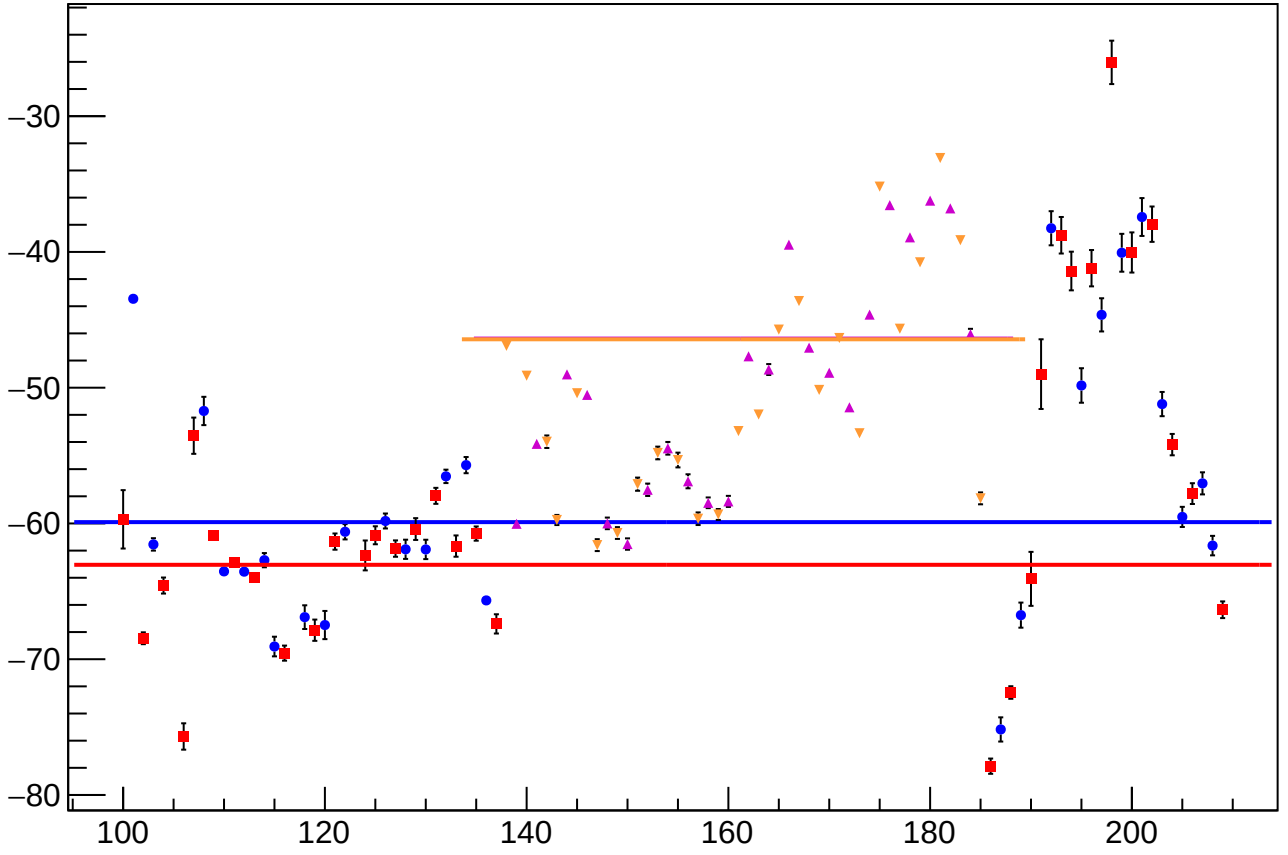
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.424+/-0.046 χ^2/NDF: 8945.6/51

All: 12.411+/-0.033 χ^2/NDF: 15358.3/106

- sign 12.396+/-0.048 χ^2/NDF: 6412.5/54

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -59.902+/-0.105 χ^2/NDF: 5054.3/26

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.046+/-0.098 χ^2/NDF: 4160.8/31

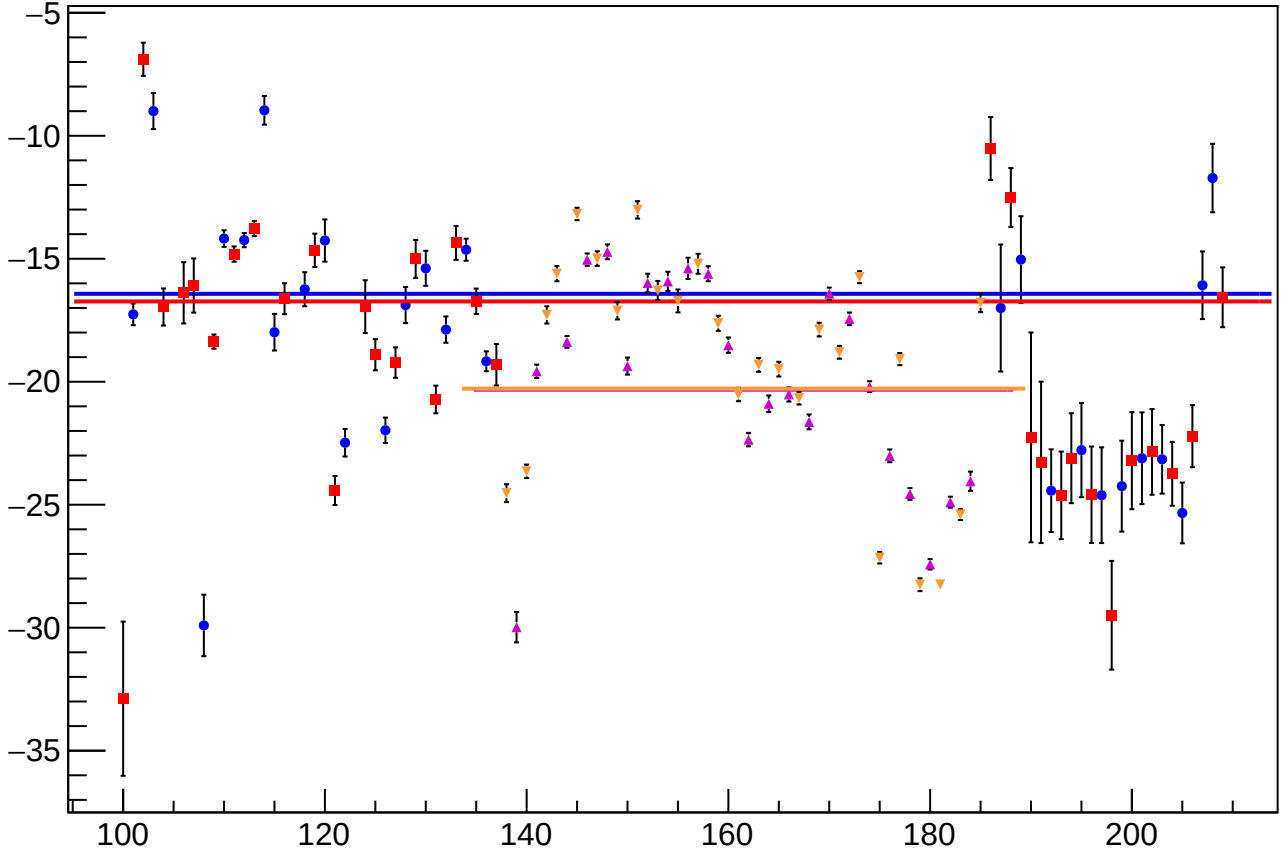
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.104+/-0.055 χ^2/NDF: 35127.5/51

All: -50.884+/-0.039 χ^2/NDF: 74523.8/106

- sign -51.671+/-0.055 χ^2/NDF: 38990.9/54

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.426+/-0.123 χ^2/NDF: 971.4/26

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.736+/-0.120 χ^2/NDF: 882.0/31

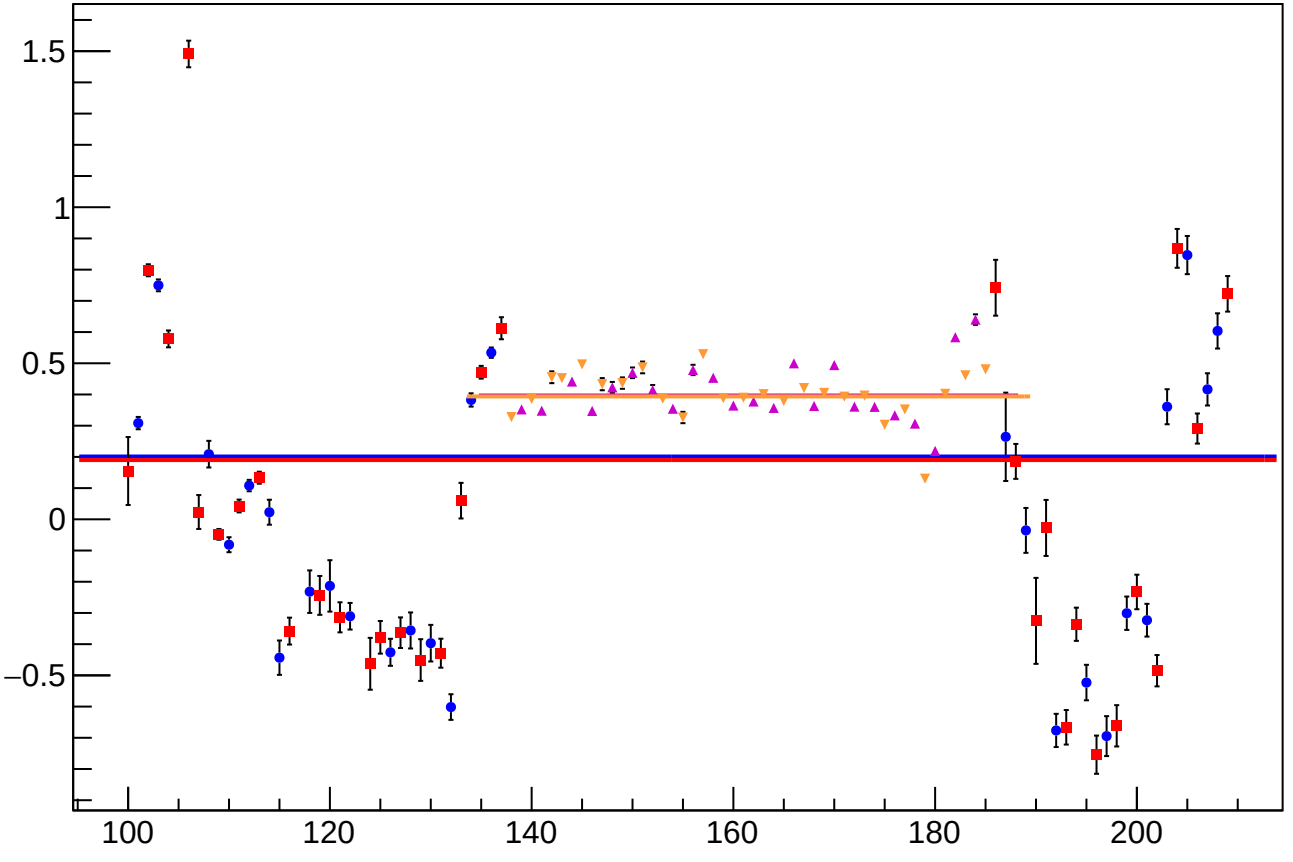
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.599+/-0.052 χ^2/NDF: 8798.2/51

All: -19.612+/-0.037 χ^2/NDF: 14672.3/106

- sign -19.625+/-0.053 χ^2/NDF: 5874.0/54

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.201+/-0.007 χ^2/NDF: 3676.4/26

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.190+/-0.007 χ^2/NDF: 4885.8/31

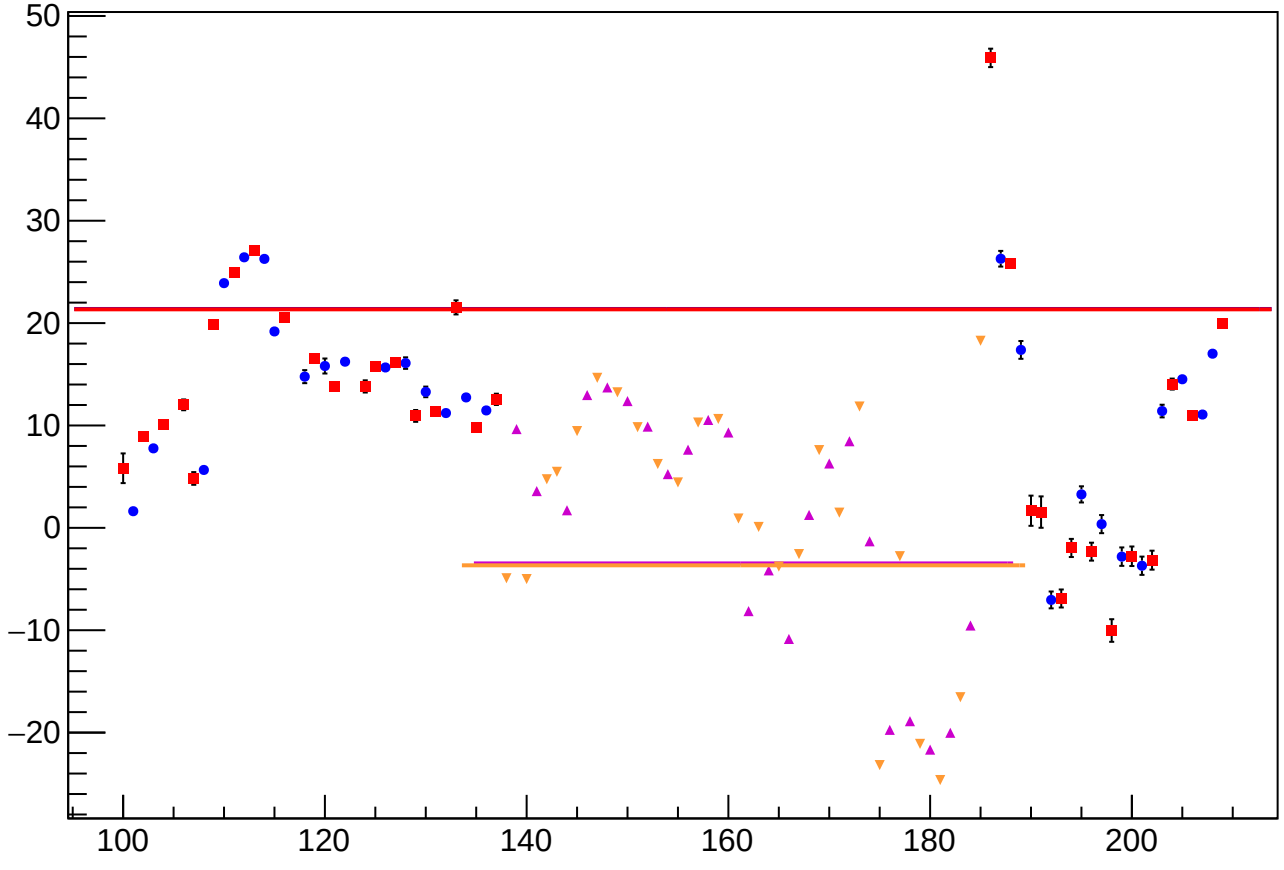
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.368+/-0.002 χ^2/NDF: 5369.2/51

All: 0.368+/-0.002 χ^2/NDF: 12412.3/106

\- sign 0.368+/-0.002 χ^2/NDF: 7043.0/54

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.379+/-0.054 χ^2/NDF: 17690.8/26

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.346+/-0.045 χ^2/NDF: 17467.0/31

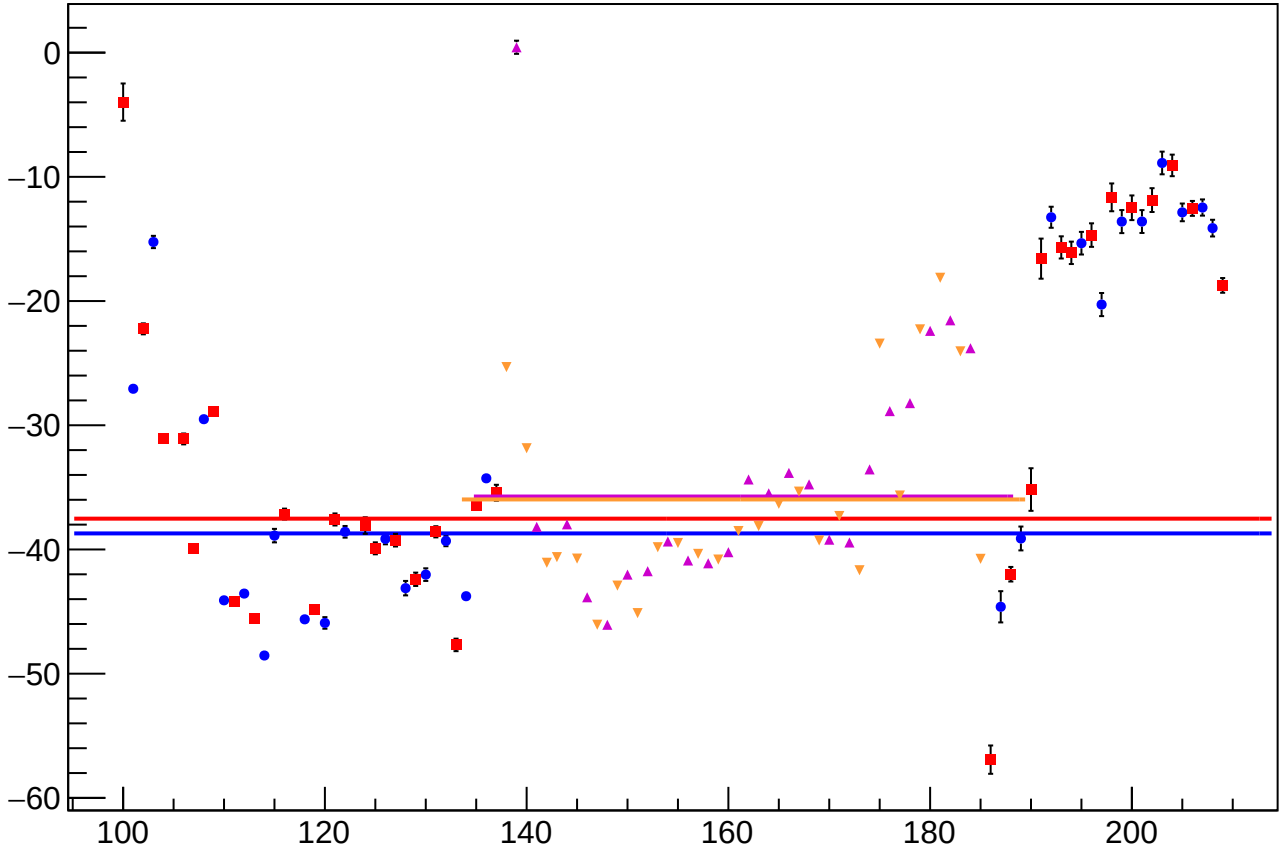
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.980+/-0.038 χ^2/NDF: 180843.7/51

All: 10.611+/-0.026 χ^2/NDF: 363170.8/106

- sign 11.987+/-0.035 χ^2/NDF: 178998.4/54

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.707+/-0.073 χ^2/NDF: 17250.1/26

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.519+/-0.068 χ^2/NDF: 18491.2/31

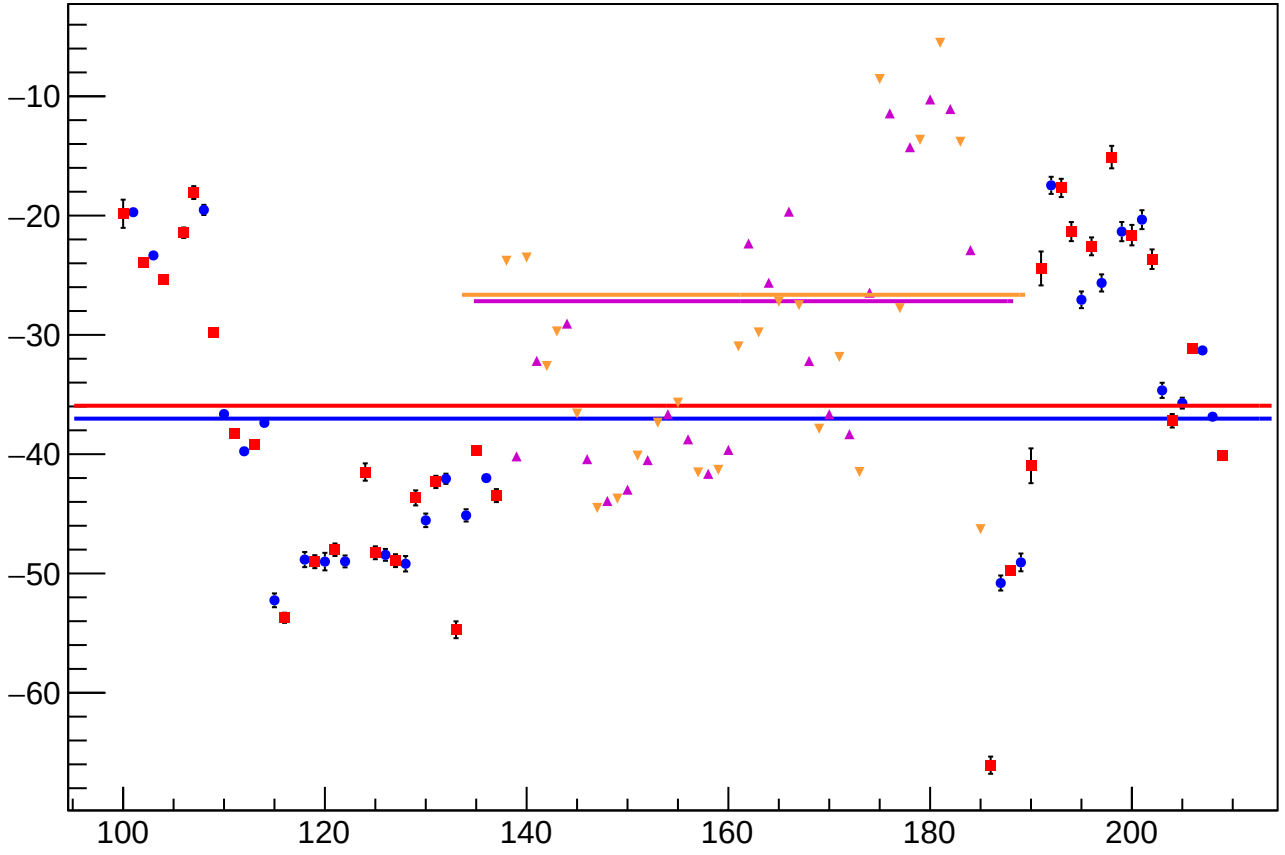
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.660+/-0.037 χ^2/NDF: 51903.3/51

All: -36.473+/-0.026 χ^2/NDF: 98079.6/106

- sign -36.278+/-0.037 χ^2/NDF: 46123.5/54

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.020+/-0.068 χ^2/NDF: 13908.9/26

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.939+/-0.060 χ^2/NDF: 19387.0/31

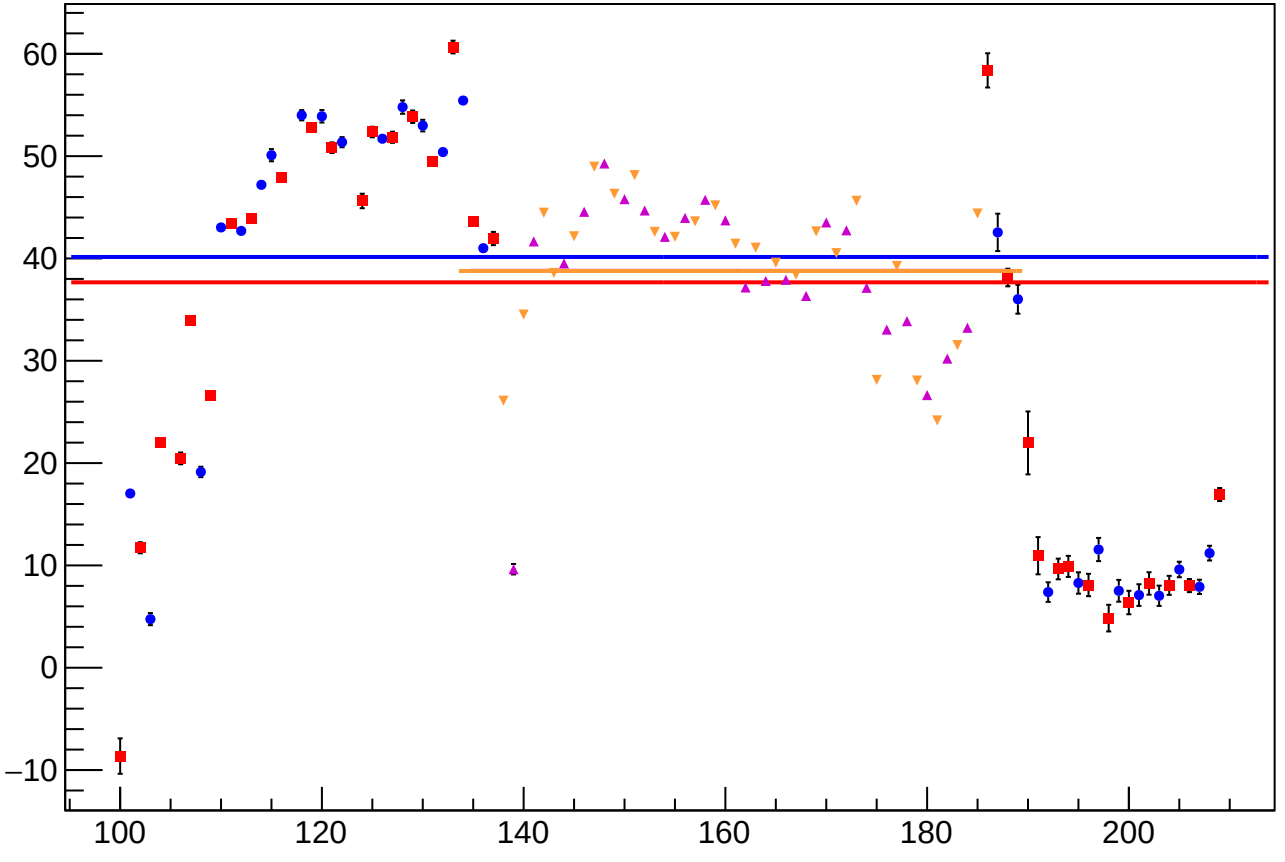
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.723+/-0.043 χ^2/NDF: 78188.3/51

All: -31.063+/-0.030 χ^2/NDF: 149950.9/106

- sign -31.384+/-0.041 χ^2/NDF: 71637.8/54

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.145+/-0.082 χ^2/NDF: 26828.0/26

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.666+/-0.075 χ^2/NDF: 27490.9/31

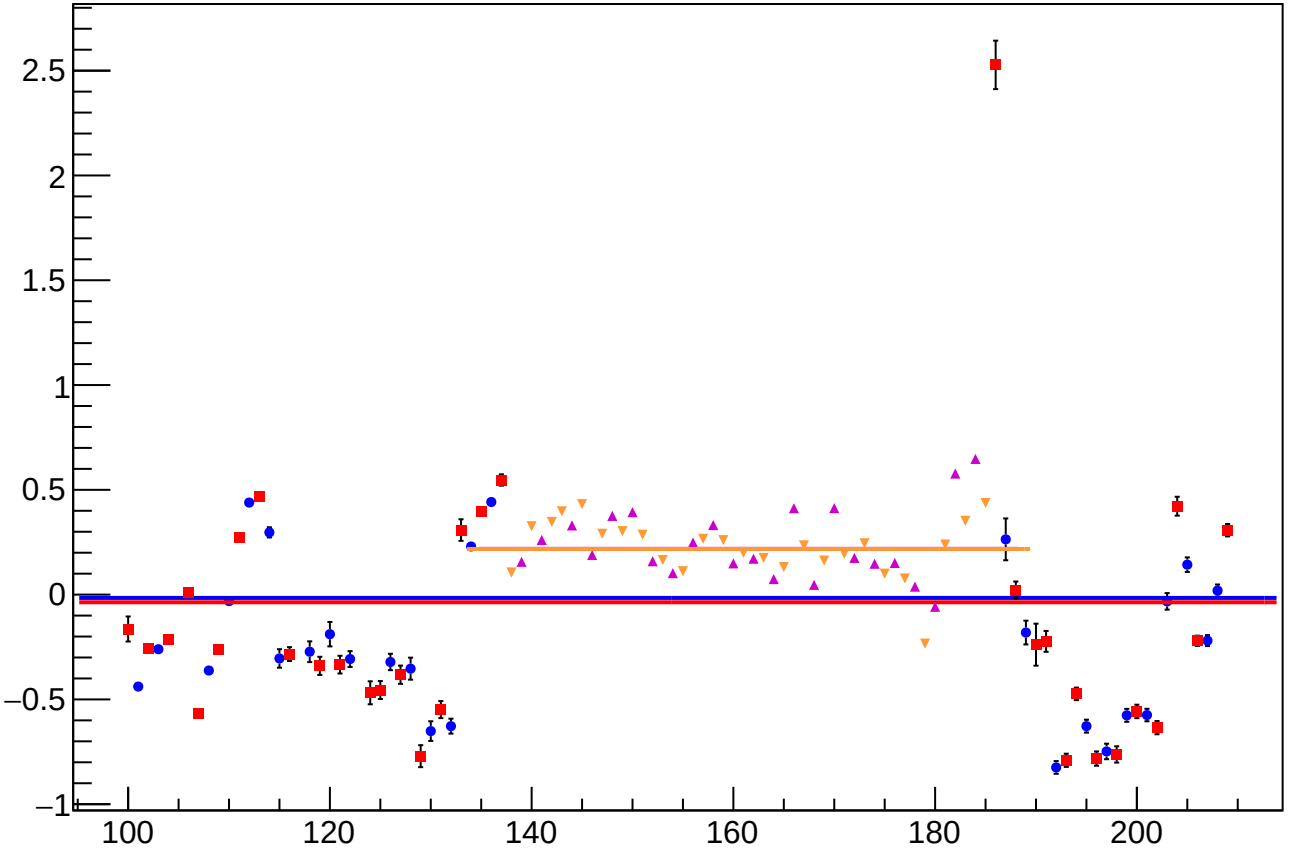
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

\+ sign 39.126+/-0.041 χ^2/NDF: 48108.1/51

All: 38.790+/-0.029 χ^2/NDF: 92129.5/106

\- sign 38.445+/-0.042 χ^2/NDF: 43886.4/54

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.016+/-0.004 χ^2/NDF: 8046.8/26

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.037+/-0.004 χ^2/NDF: 9623.8/31

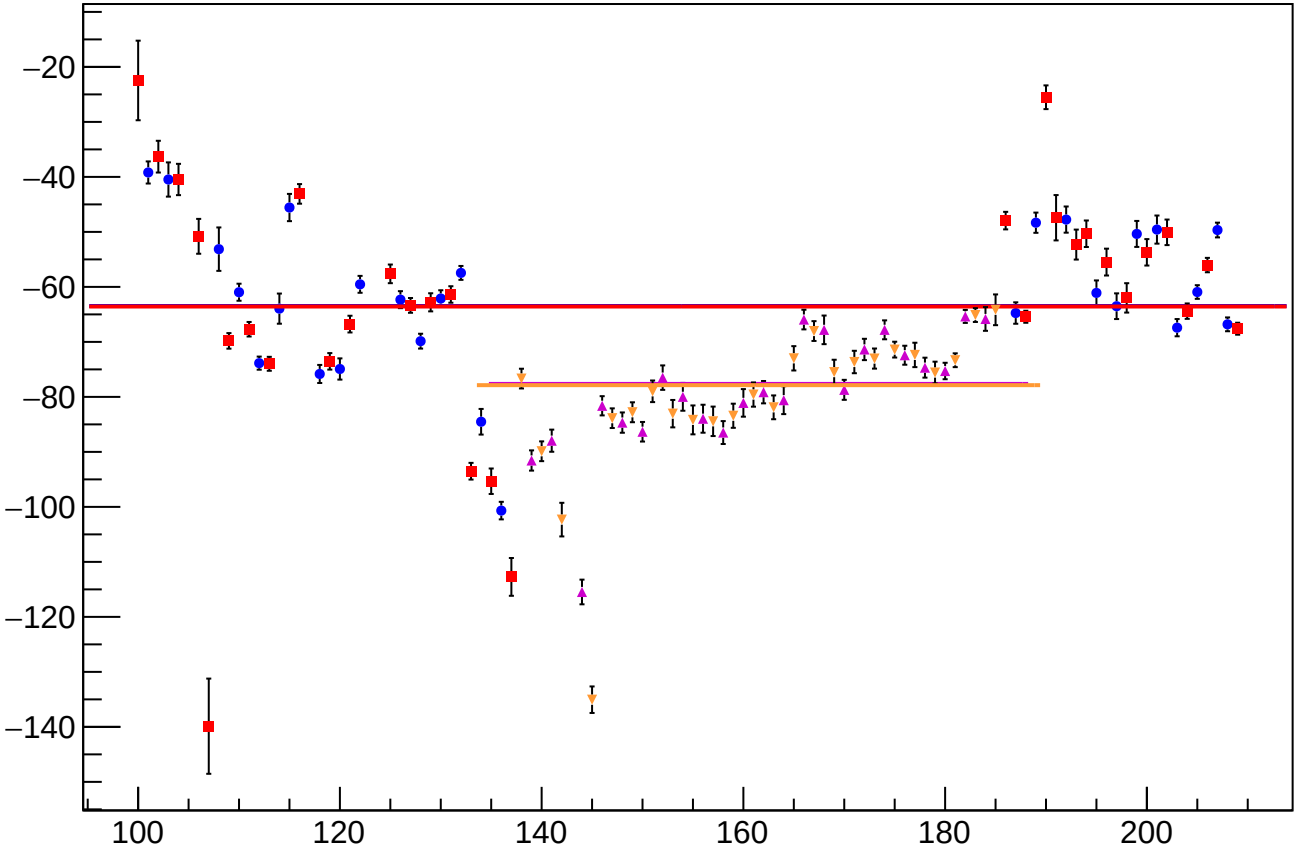
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.173+/-0.002 χ^2/NDF: 14418.2/51

All: 0.165+/-0.001 χ^2/NDF: 32462.3/106

- sign 0.158+/-0.002 χ^2/NDF: 18016.9/54

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -63.477+/-0.330 χ^2/NDF: 1404.7/26

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.565+/-0.315 χ^2/NDF: 1936.6/30

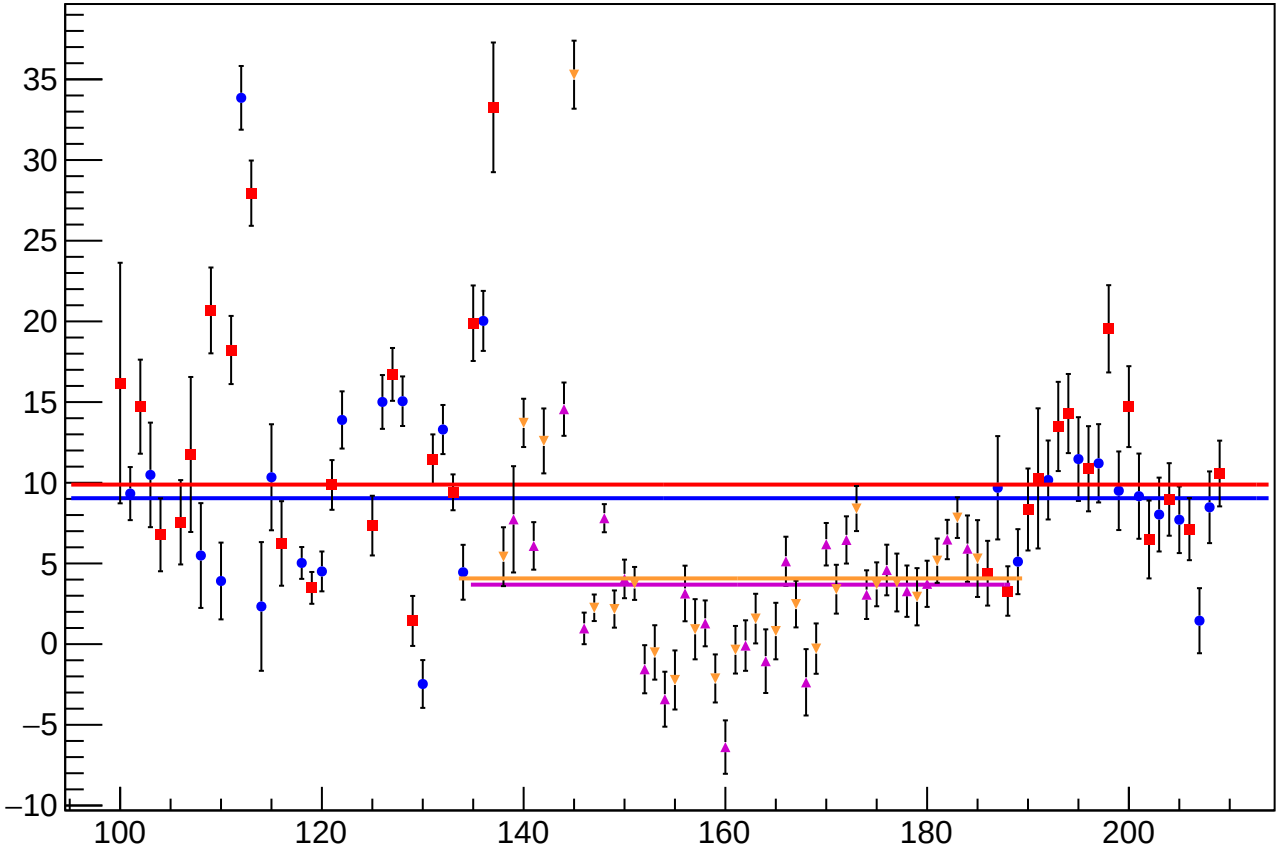
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -69.403+/-0.253 χ^2/NDF: 3121.3/50

All: -69.199+/-0.176 χ^2/NDF: 6526.3/104

- sign -69.005+/-0.246 χ^2/NDF: 3403.7/53

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.043+/-0.366 χ^2/NDF: 363.6/26

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.887+/-0.359 χ^2/NDF: 316.6/30

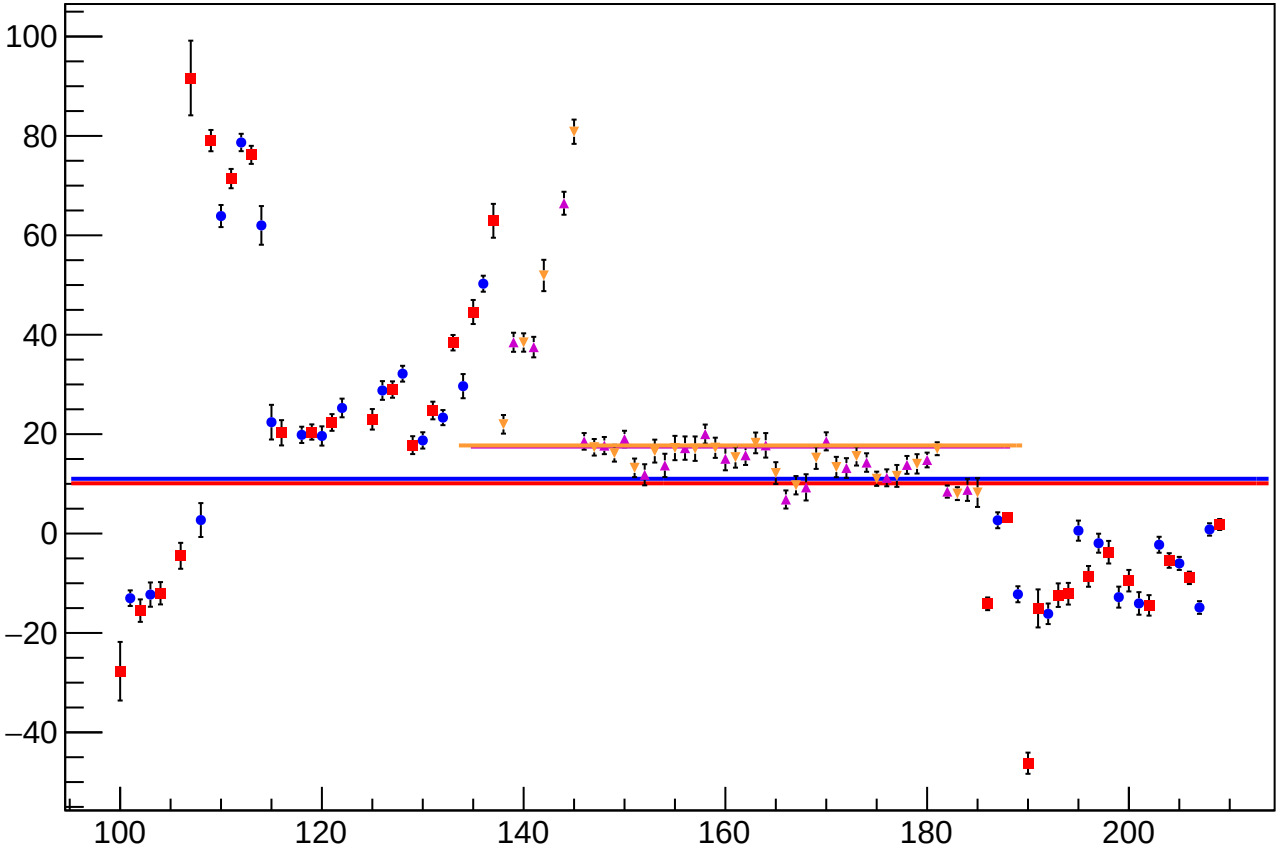
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.045+/-0.230 χ^2/NDF: 845.5/50

All: 6.150+/-0.163 χ^2/NDF: 1520.2/104

- sign 6.255+/-0.231 χ^2/NDF: 674.3/53

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 11.017+/-0.344 χ^2/NDF: 5137.4/26

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 10.105+/-0.323 χ^2/NDF: 7015.8/30

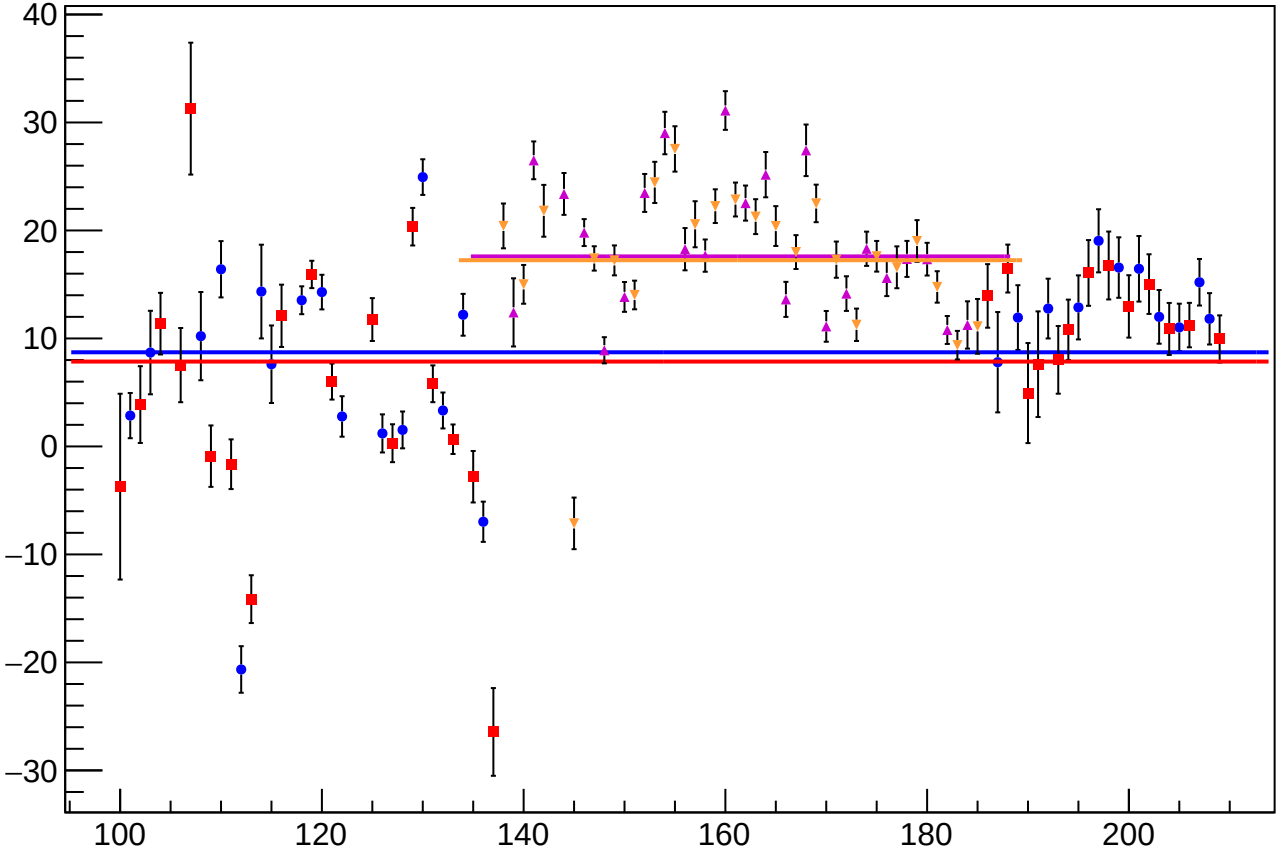
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 13.938+/-0.258 χ^2/NDF: 6361.7/50

All: 13.498+/-0.179 χ^2/NDF: 14414.7/104

- sign 13.087+/-0.250 χ^2/NDF: 8047.4/53

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.719+/-0.423 χ^2/NDF: 503.2/26

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.858+/-0.419 χ^2/NDF: 434.1/30

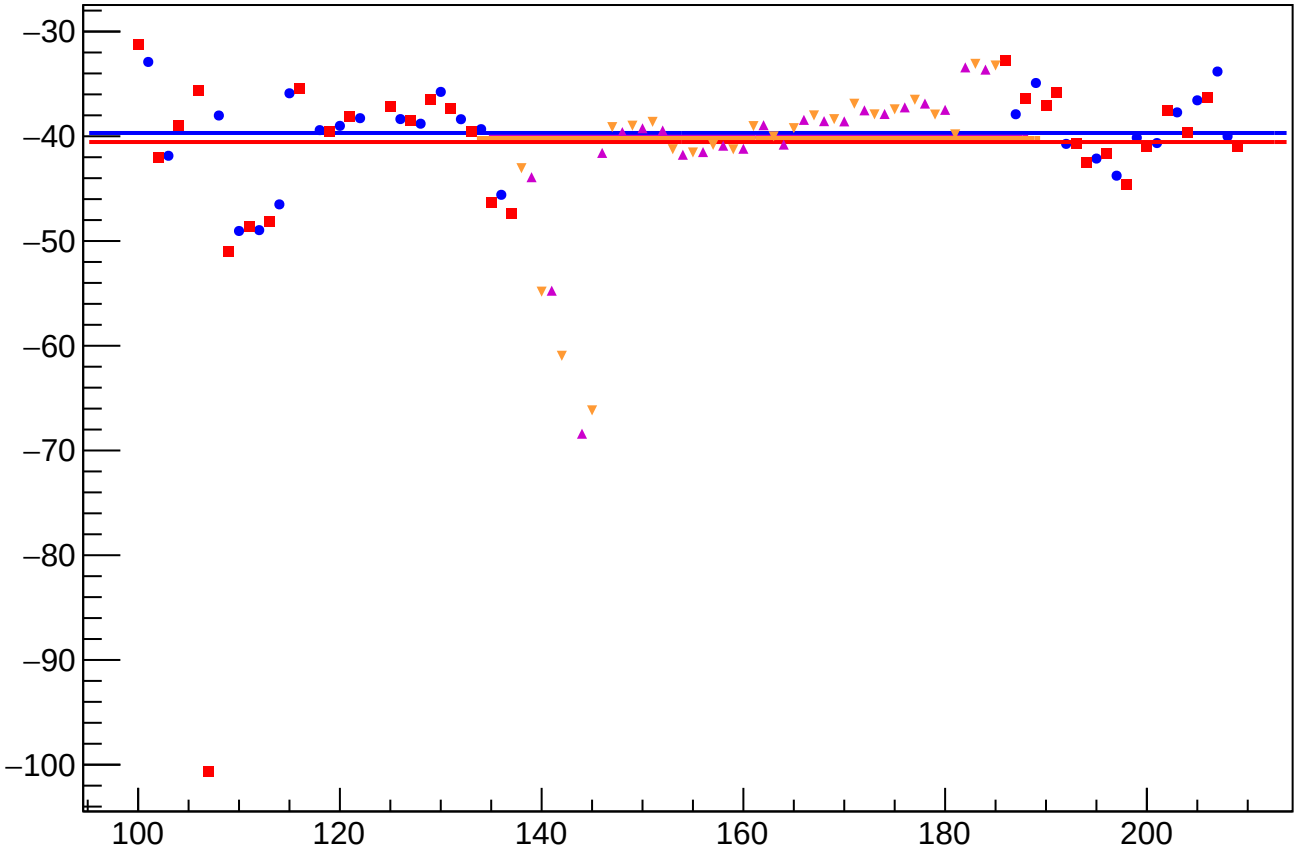
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.921+/-0.264 χ^2/NDF: 1011.9/50

All: 13.813+/-0.187 χ^2/NDF: 2079.8/104

- sign 13.703+/-0.265 χ^2/NDF: 1067.5/53

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.685+/-0.021 χ^2/NDF: 32285.4/26

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.548+/-0.021 χ^2/NDF: 72593.4/30

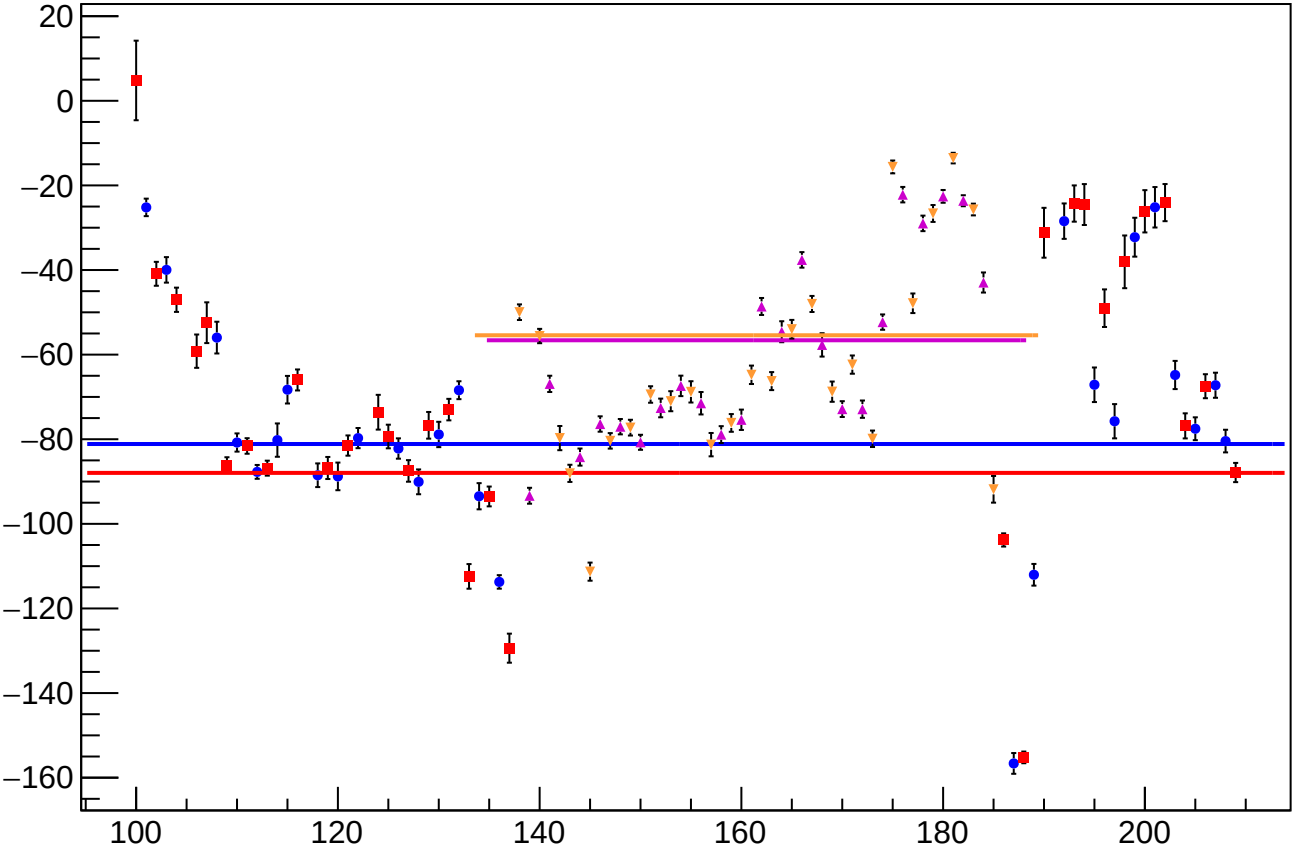
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.998+/-0.012 χ^2/NDF: 195956.1/50

All: -40.114+/-0.009 χ^2/NDF: 405529.2/104

- sign -40.227+/-0.012 χ^2/NDF: 209404.0/53

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.129+/-0.517 χ^2/NDF: 3046.4/26

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.955+/-0.477 χ^2/NDF: 4602.0/30

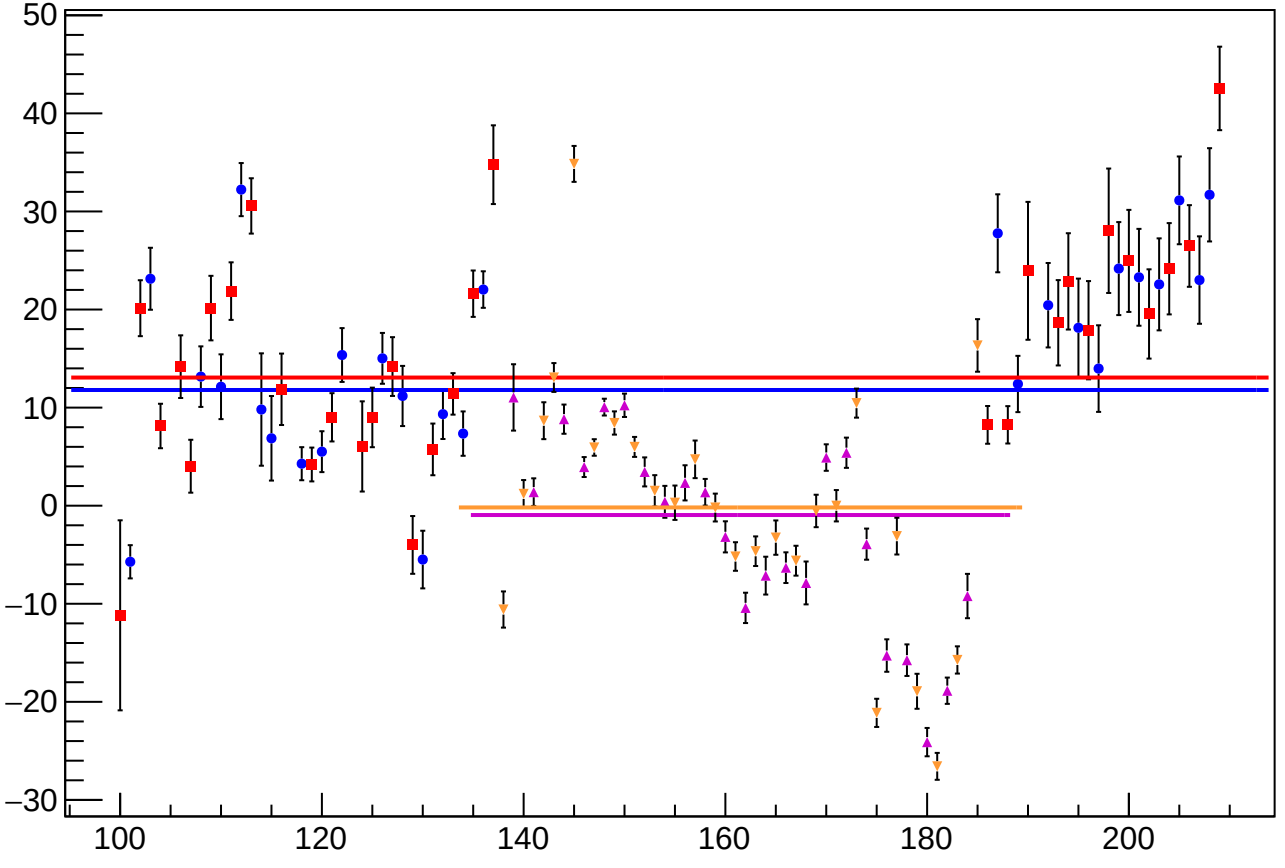
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.854+/-0.313 χ^2/NDF: 9138.8/51

All: -67.315+/-0.220 χ^2/NDF: 19730.6/105

- sign -69.701+/-0.308 χ^2/NDF: 10469.9/53

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 11.796+/-0.559 χ^2/NDF: 362.3/26

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.065+/-0.540 χ^2/NDF: 296.9/30

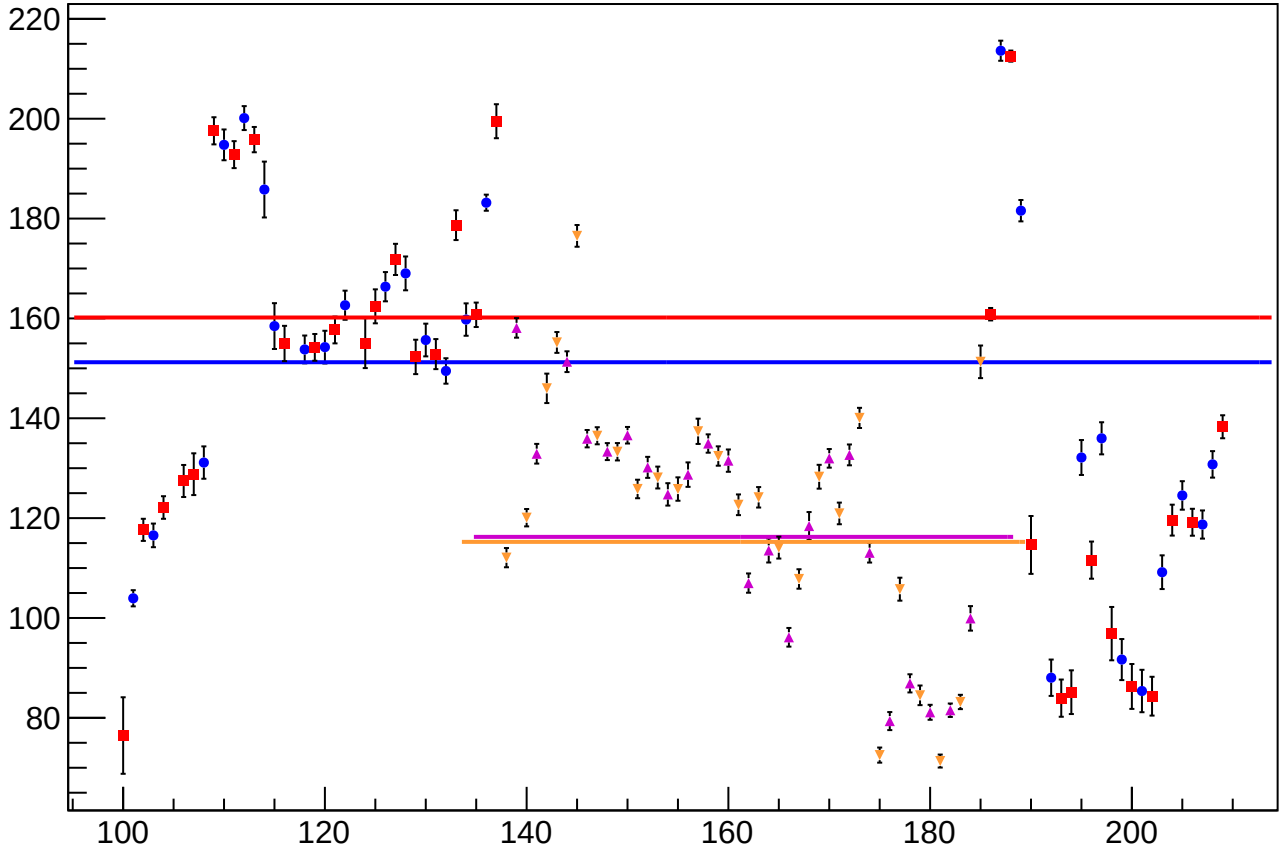
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.415+/-0.260 χ^2/NDF: 2319.9/51

All: 2.421+/-0.186 χ^2/NDF: 4198.6/105

- sign 2.426+/-0.265 χ^2/NDF: 1878.7/53

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 151.224+/-0.527 χ^2/NDF: 4633.8/26

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 160.183+/-0.476 χ^2/NDF: 6125.1/30

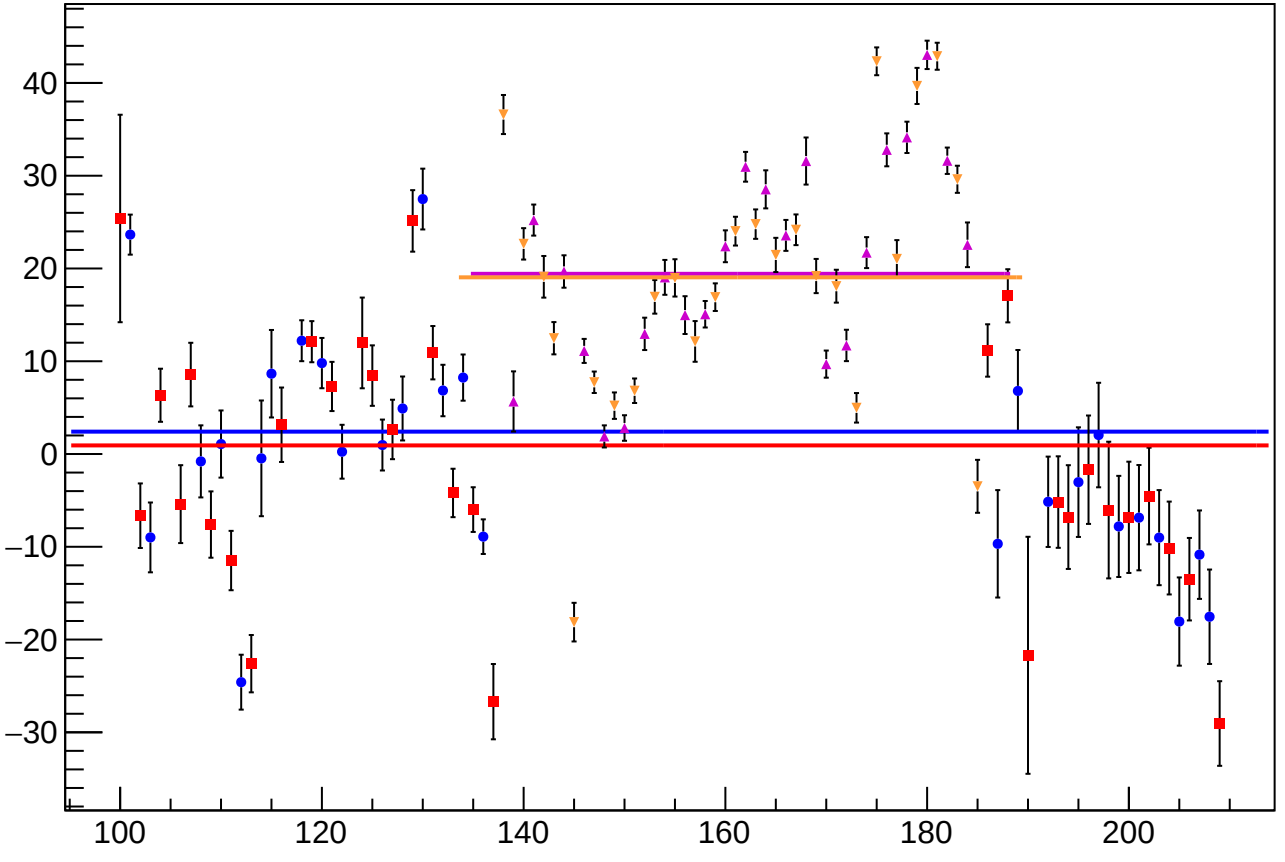
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 127.978+/-0.314 χ^2/NDF: 12477.5/51

All: 131.255+/-0.219 χ^2/NDF: 27451.2/105

- sign 134.372+/-0.306 χ^2/NDF: 14760.8/53

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 2.411+/-0.649 χ^2/NDF: 385.4/26

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.927+/-0.639 χ^2/NDF: 378.9/30

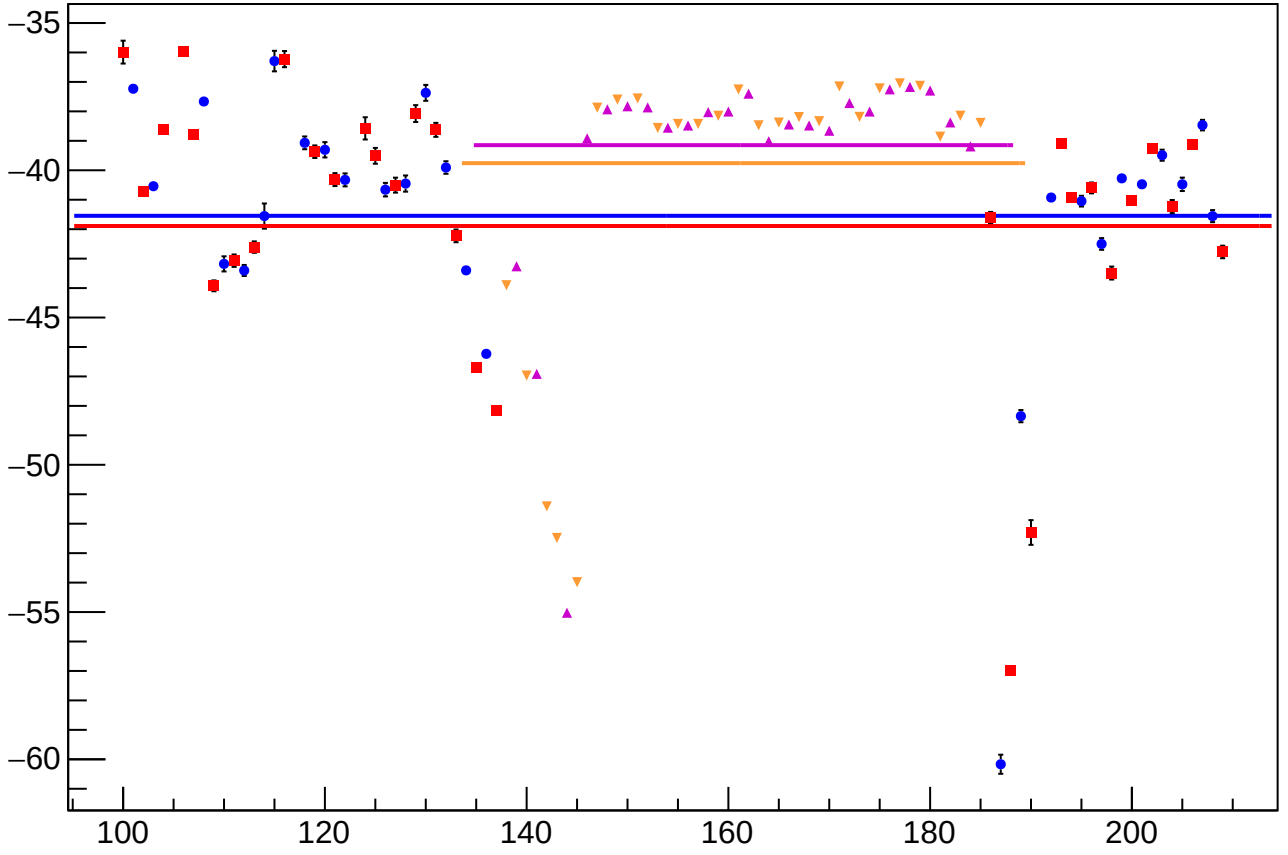
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.527+/-0.298 χ^2/NDF: 2449.3/51

All: 15.387+/-0.213 χ^2/NDF: 4553.4/105

- sign 15.241+/-0.304 χ^2/NDF: 2103.7/53

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.546+/-0.032 χ^2/NDF: 12890.0/26

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.892+/-0.032 χ^2/NDF: 19749.8/30

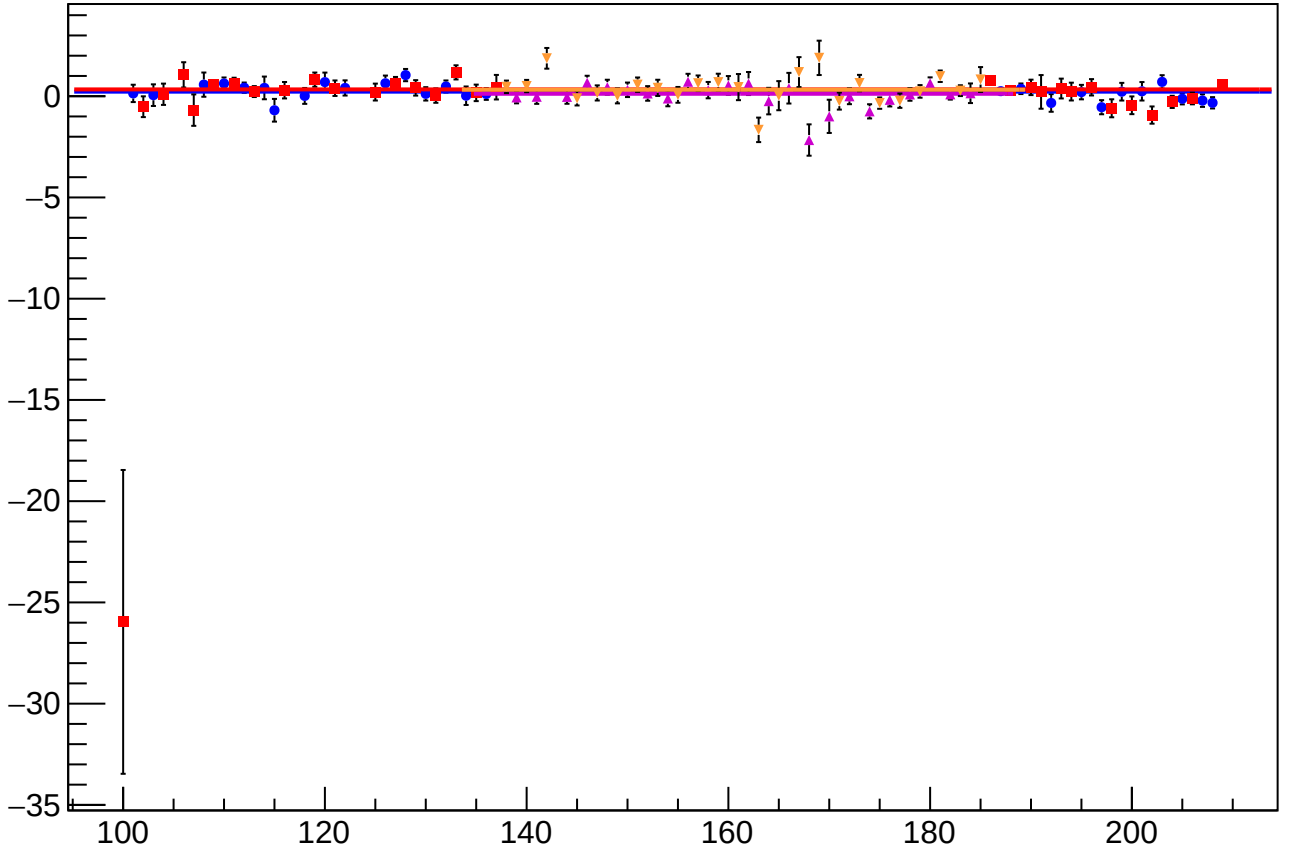
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.102+/-0.014 χ^2/NDF: 97338.6/51

All: -39.896+/-0.010 χ^2/NDF: 170503.1/105

- sign -39.685+/-0.014 χ^2/NDF: 72715.8/53

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.225+/-0.066 χ^2/NDF: 33.4/26

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.336+/-0.058 χ^2/NDF: 61.1/30

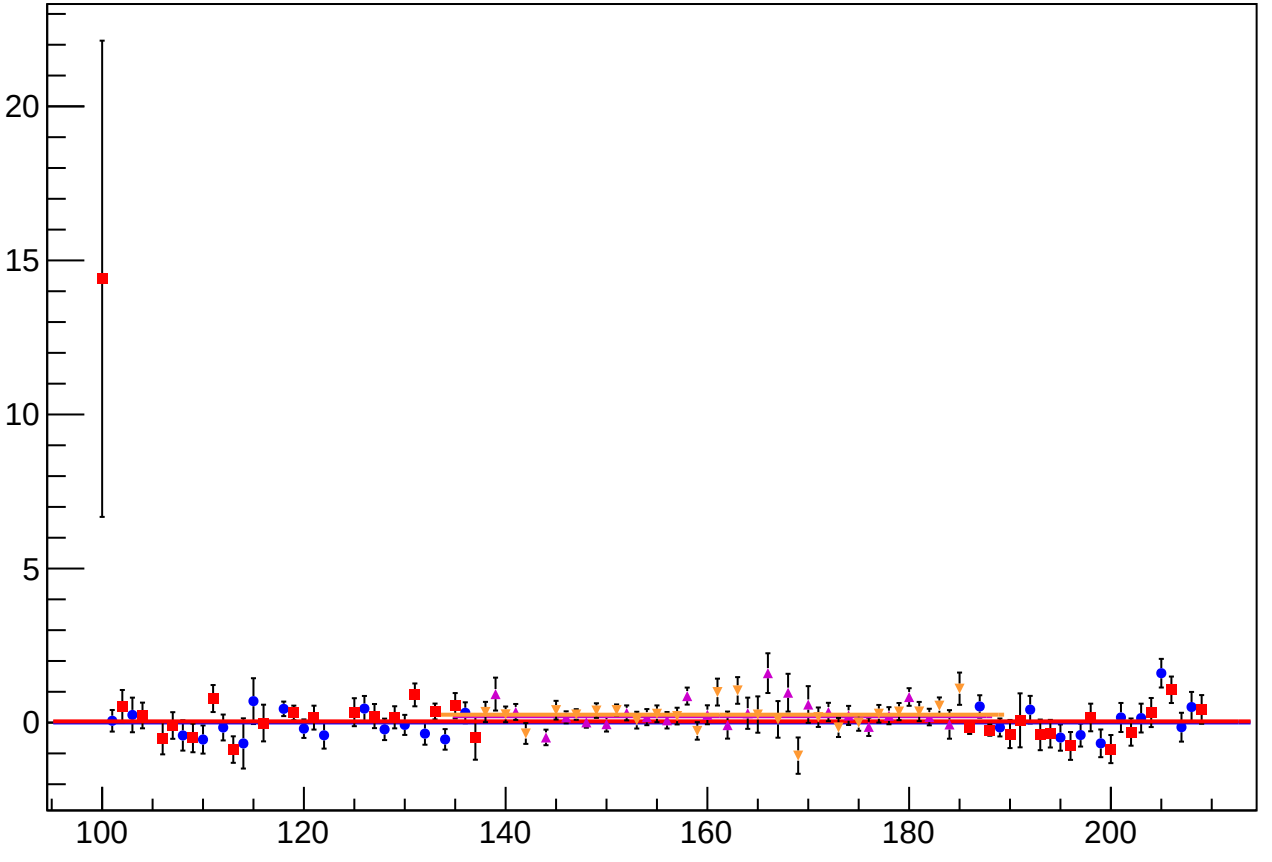
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.265+/-0.050 χ^2/NDF: 81.1/50

All: 0.263+/-0.034 χ^2/NDF: 177.0/104

- sign 0.260+/-0.047 χ^2/NDF: 95.8/53

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.004+/-0.075 χ^2/NDF: 36.5/26

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.040+/-0.069 χ^2/NDF: 45.8/30

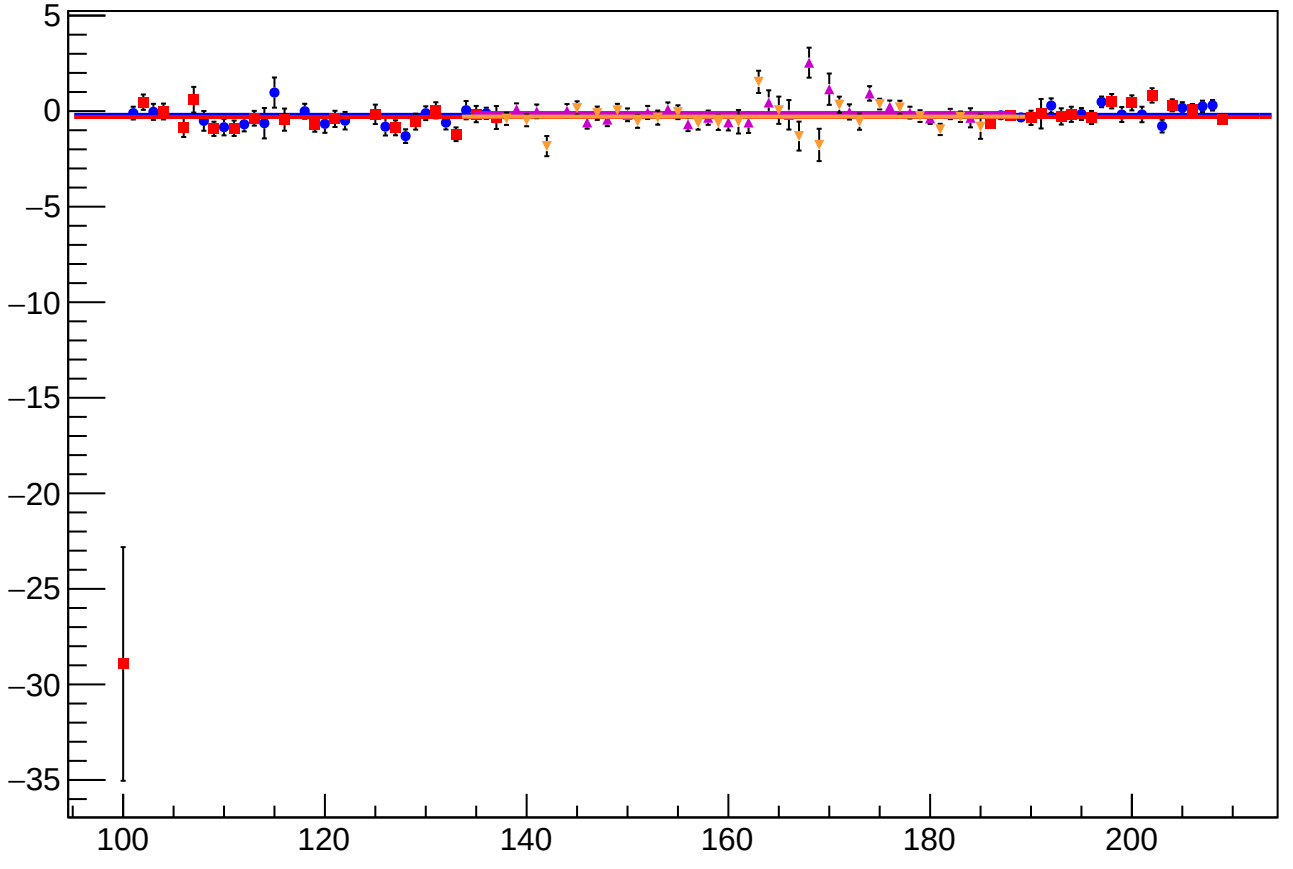
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.160+/-0.047 χ^2/NDF: 69.9/50

All: 0.147+/-0.032 χ^2/NDF: 151.1/104

- sign 0.134+/-0.045 χ^2/NDF: 81.0/53

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.194+/-0.066 χ^2/NDF: 40.1/26

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.307+/-0.055 χ^2/NDF: 75.1/30

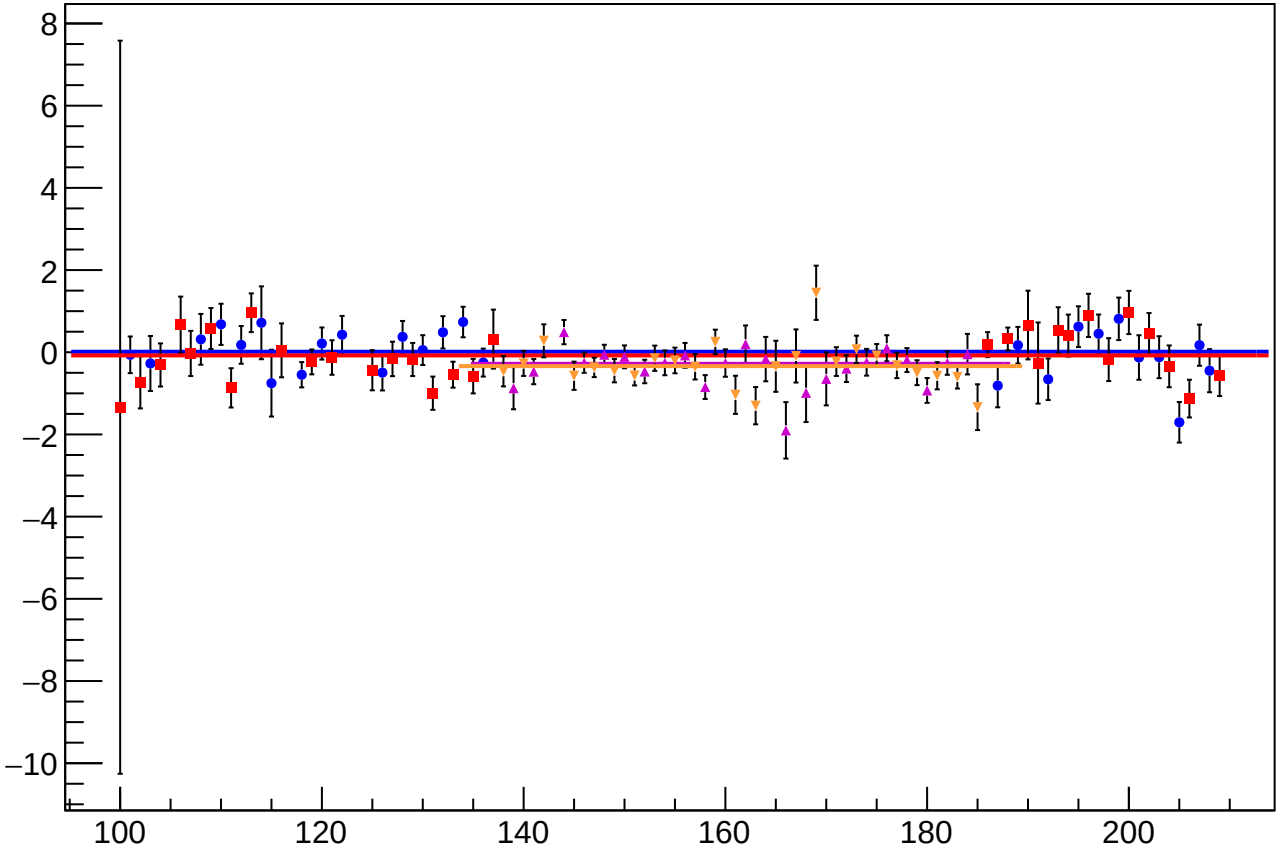
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.233+/-0.050 χ^2/NDF: 85.9/50

All: -0.236+/-0.034 χ^2/NDF: 198.9/104

- sign -0.238+/-0.045 χ^2/NDF: 113.0/53

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.013+/-0.088 χ^2/NDF: 38.6/26

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.077+/-0.083 χ^2/NDF: 42.5/30

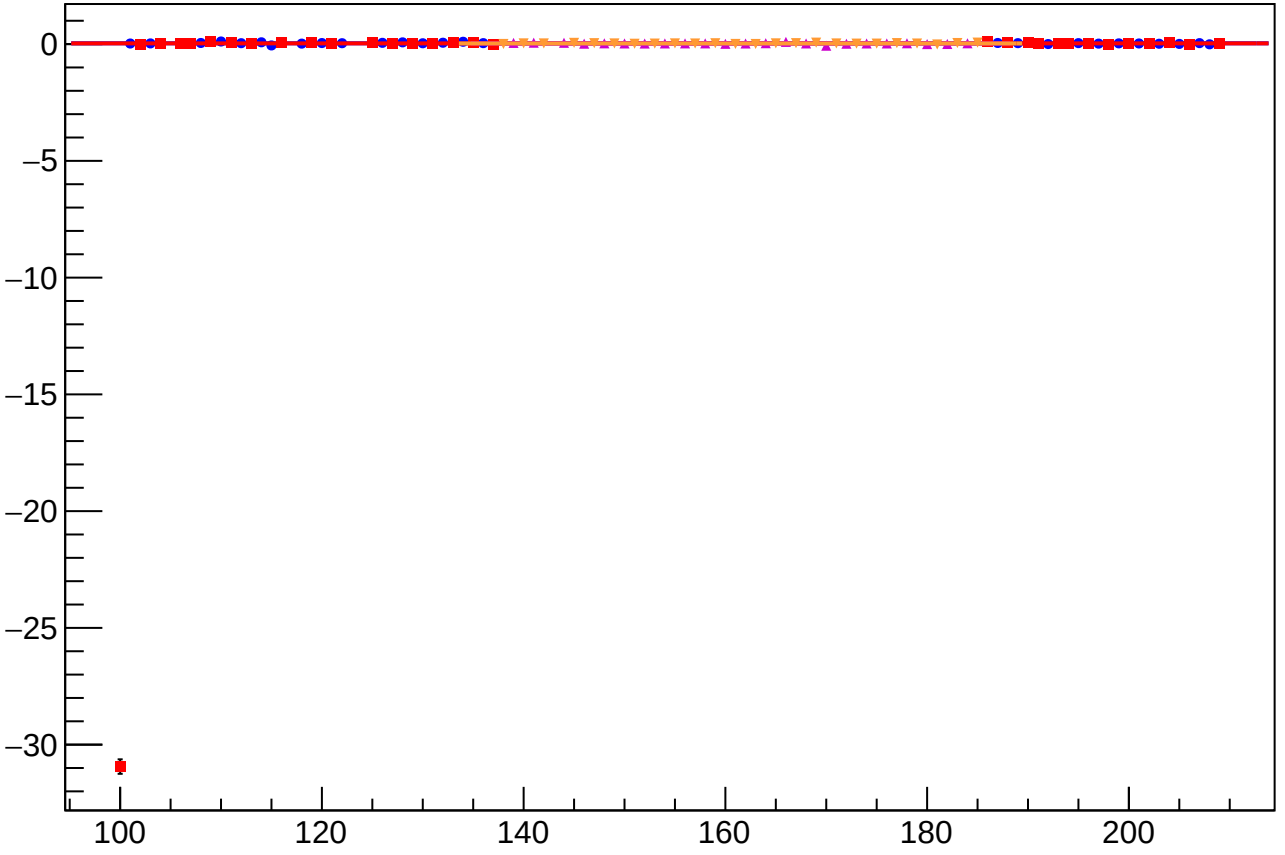
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.206+/-0.054 χ^2/NDF: 78.6/50

All: -0.202+/-0.038 χ^2/NDF: 153.7/104

- sign -0.199+/-0.053 χ^2/NDF: 75.1/53

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.035+/-0.004 χ^2/NDF: 36.1/26

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10054.6/30

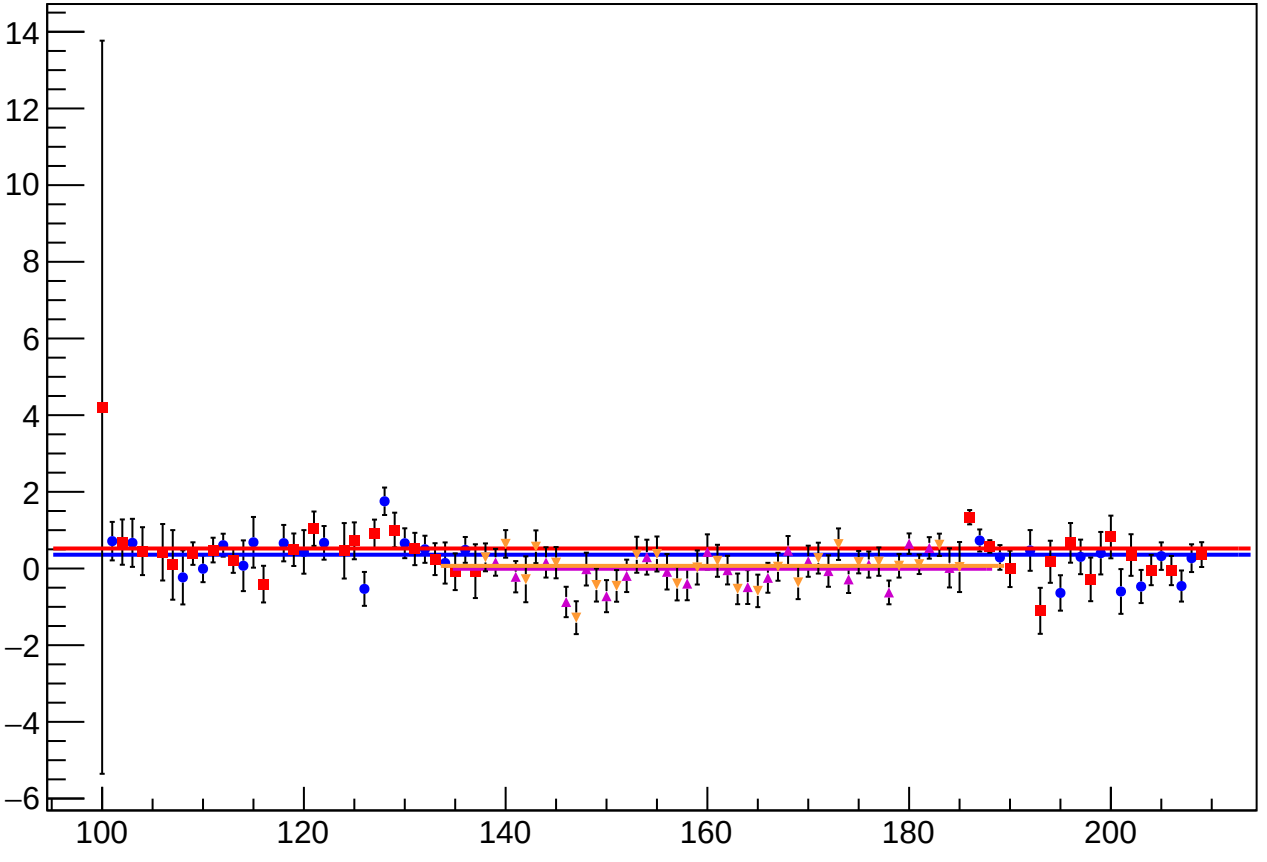
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.002 χ^2/NDF: 65.6/50

All: 0.030+/-0.002 χ^2/NDF: 10159.2/104

- sign 0.030+/-0.002 χ^2/NDF: 10093.6/53

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.360+/-0.081 χ^2/NDF: 41.8/26

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.522+/-0.070 χ^2/NDF: 47.1/30

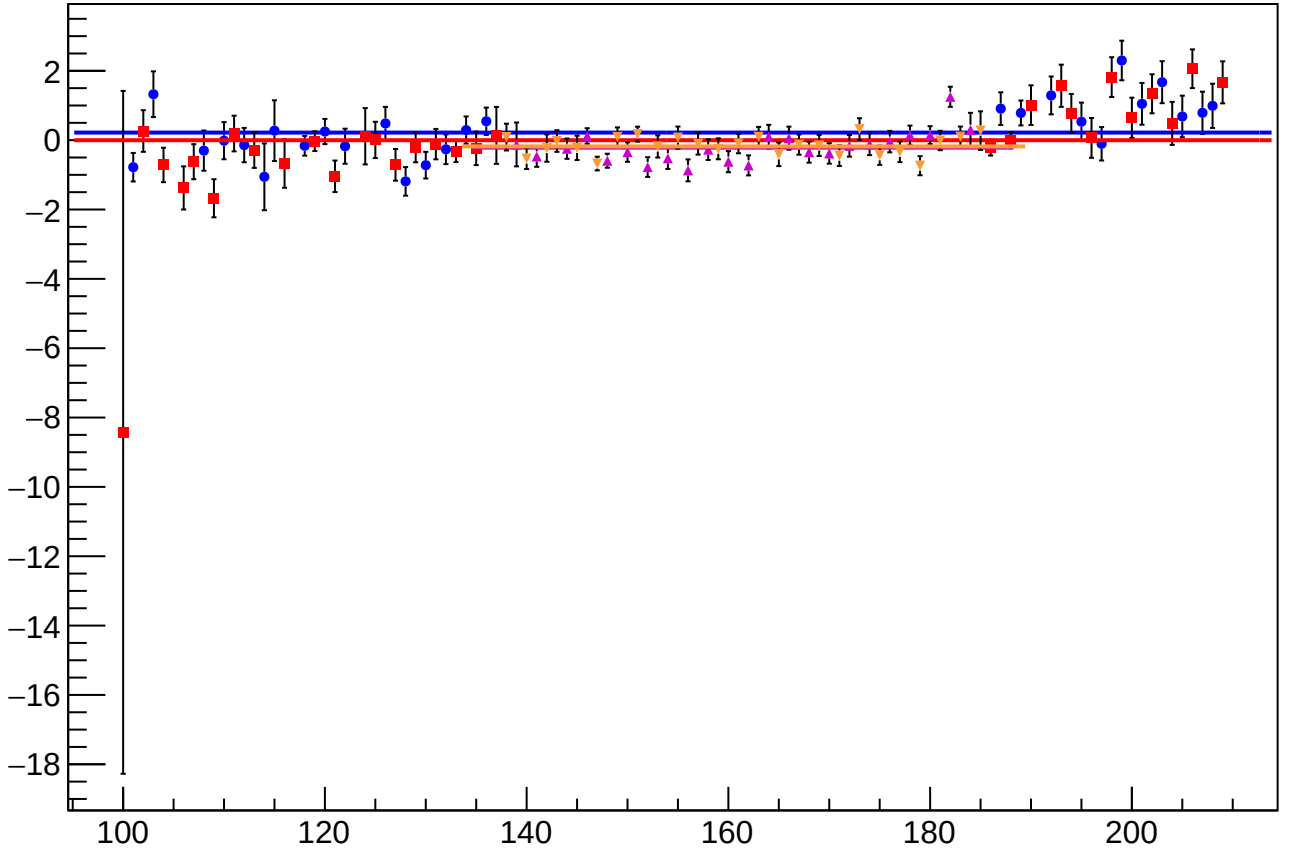
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.208+/-0.056 χ^2/NDF: 79.7/51

All: 0.252+/-0.038 χ^2/NDF: 181.4/105

- sign 0.291+/-0.053 χ^2/NDF: 100.5/53

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.219+/-0.091 χ^2/NDF: 67.5/26

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.001+/-0.082 χ^2/NDF: 80.8/30

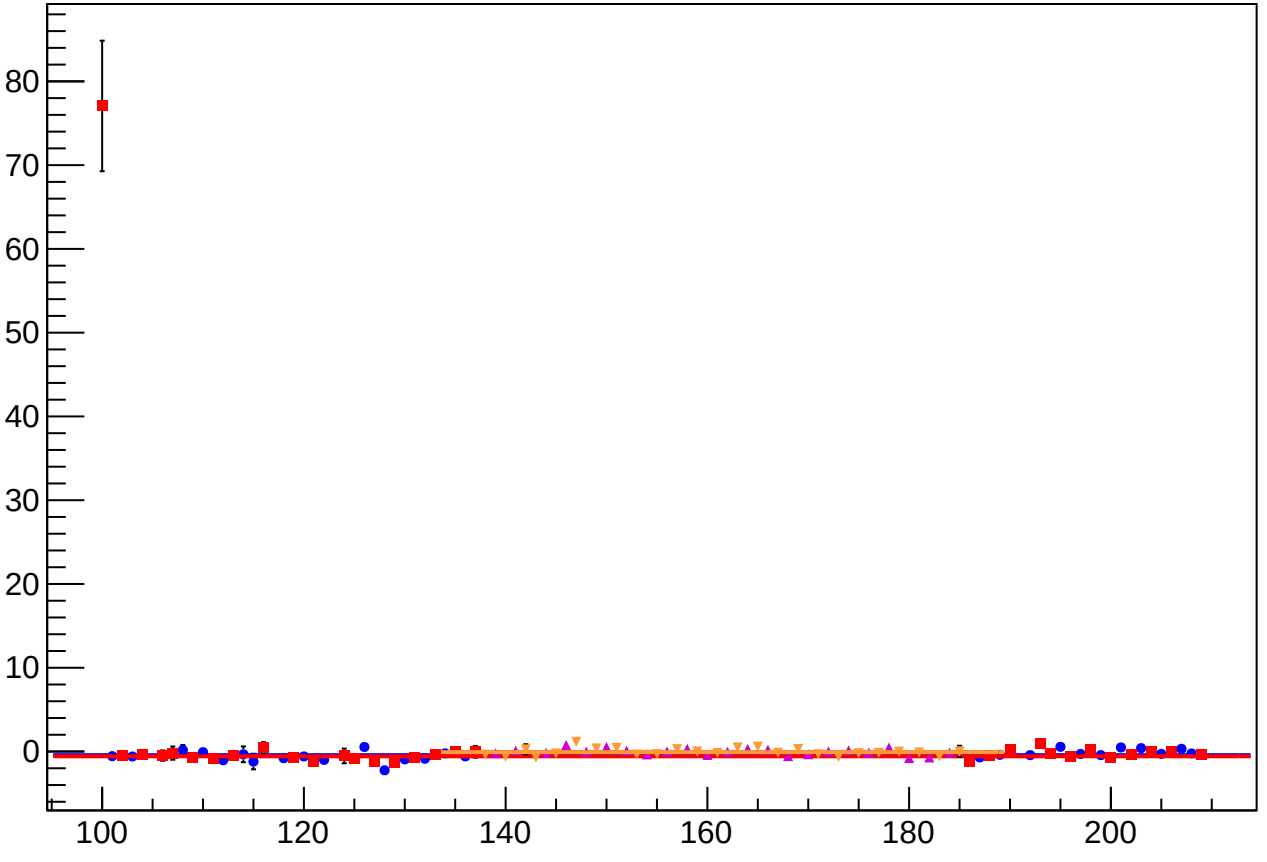
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.062+/-0.050 χ^2/NDF: 105.7/51

All: -0.101+/-0.035 χ^2/NDF: 245.6/105

- sign -0.139+/-0.049 χ^2/NDF: 138.7/53

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.437+/-0.081 χ^2/NDF: 48.8/26

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.573+/-0.067 χ^2/NDF: 145.6/30

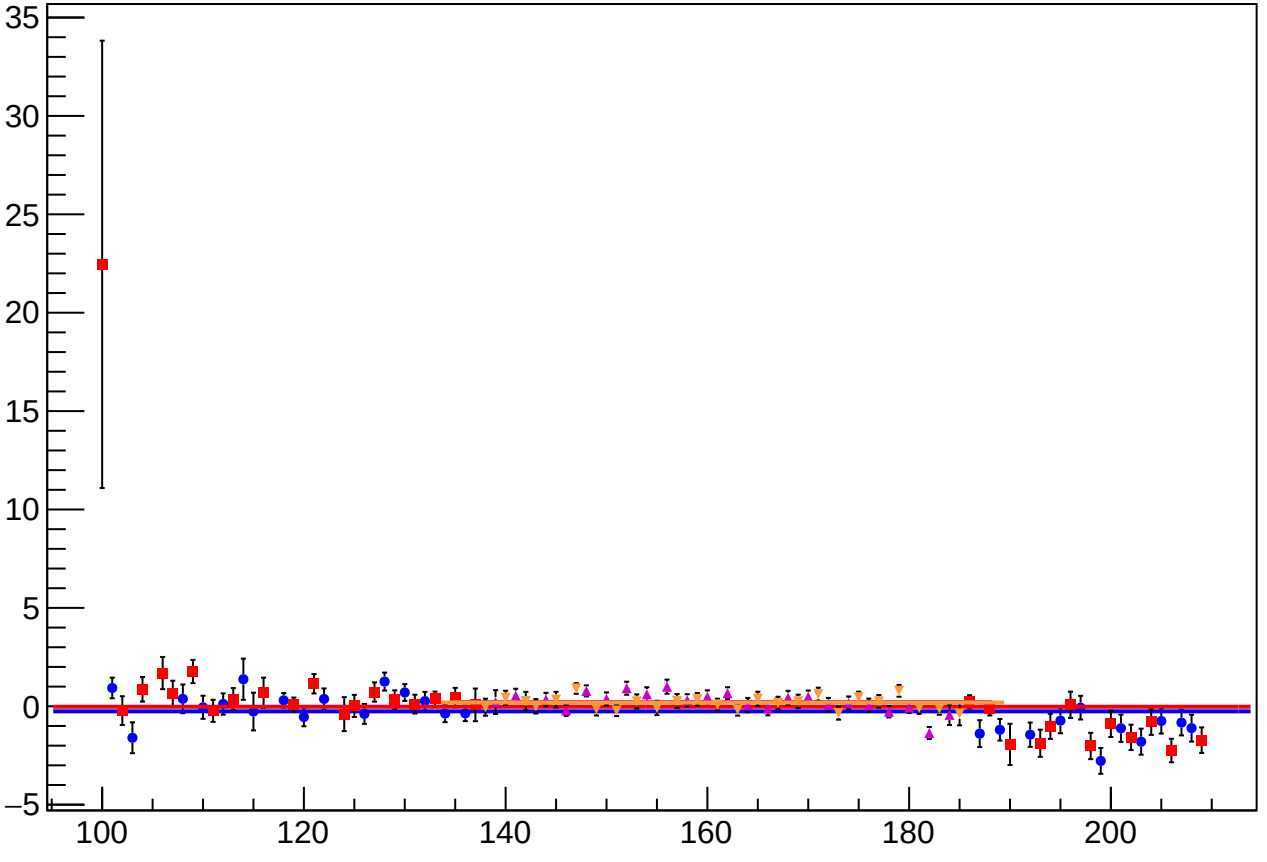
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.247+/-0.056 χ^2/NDF: 89.2/51

All: -0.311+/-0.038 χ^2/NDF: 288.7/105

- sign -0.364+/-0.051 χ^2/NDF: 197.1/53

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.257+/-0.107 χ^2/NDF: 67.8/26

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.024+/-0.100 χ^2/NDF: 85.2/30

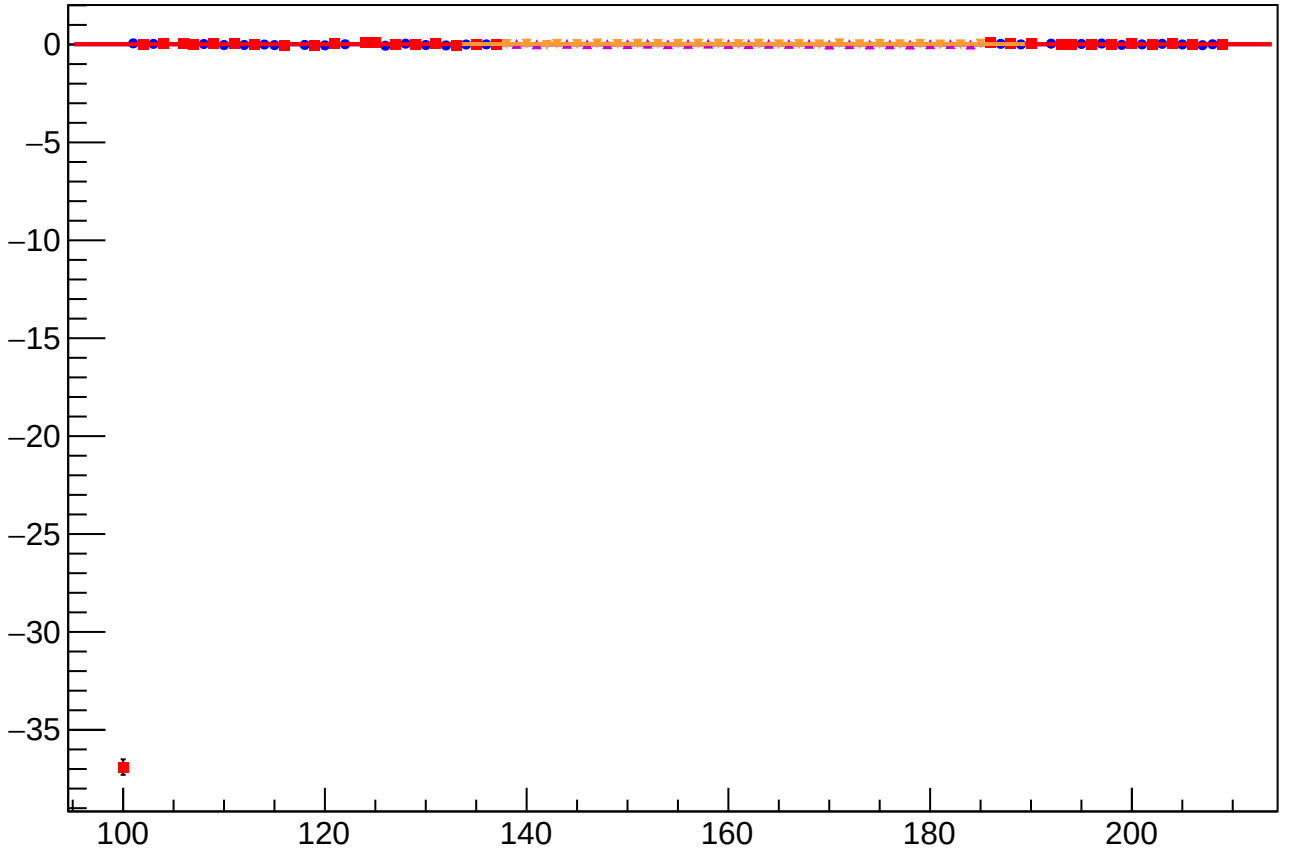
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.066+/-0.057 χ^2/NDF: 106.6/51

All: 0.102+/-0.040 χ^2/NDF: 251.5/105

- sign 0.138+/-0.057 χ^2/NDF: 144.1/53

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.011+/-0.005 χ^2/NDF: 32.4/26

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8780.4/30

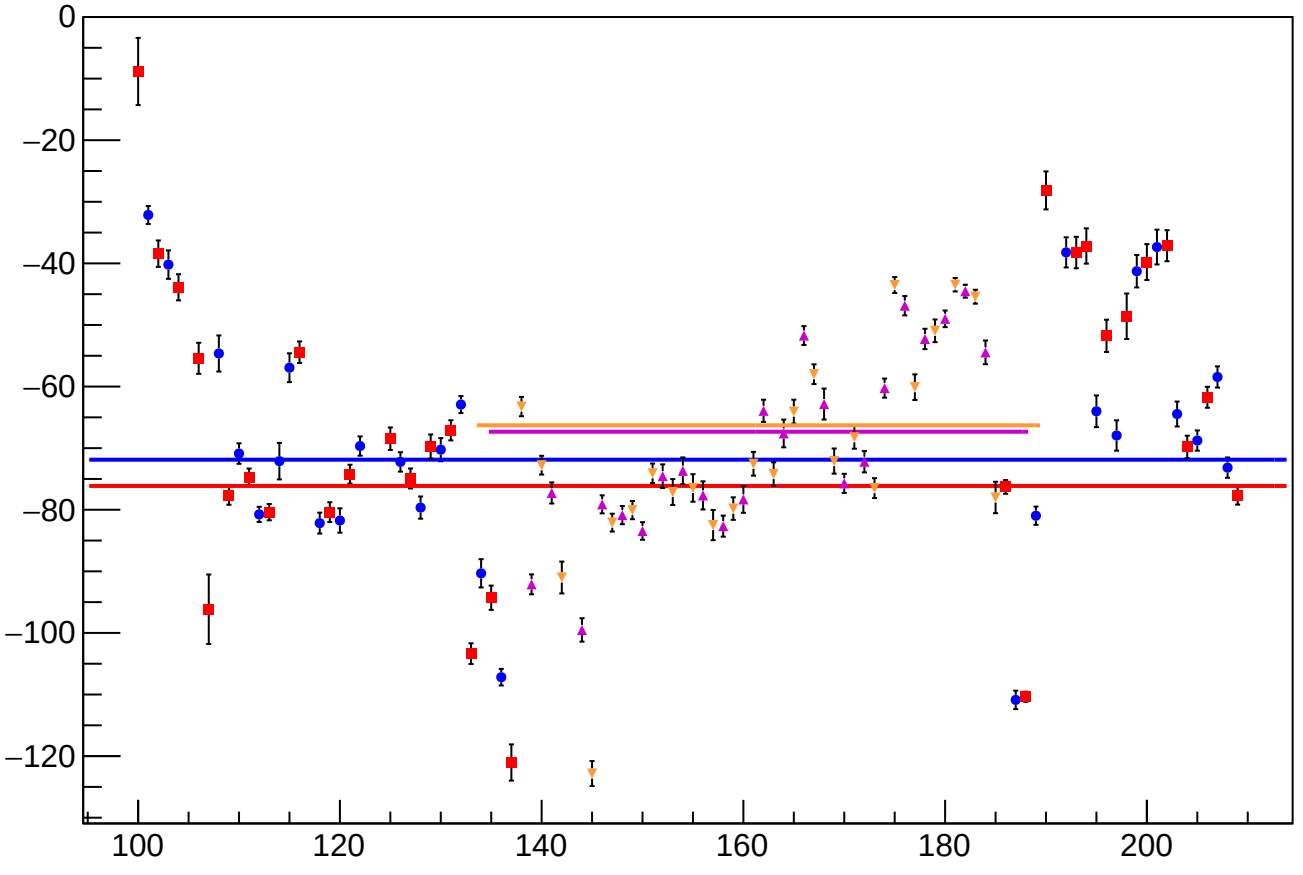
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

\+ sign 0.021+/-0.003 χ^2/NDF: 67.7/51

All: 0.021+/-0.002 χ^2/NDF: 8869.0/105

\- sign 0.021+/-0.003 χ^2/NDF: 8801.3/53

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.871+/-0.346 χ^2/NDF: 3218.8/26

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.136+/-0.322 χ^2/NDF: 4565.5/29

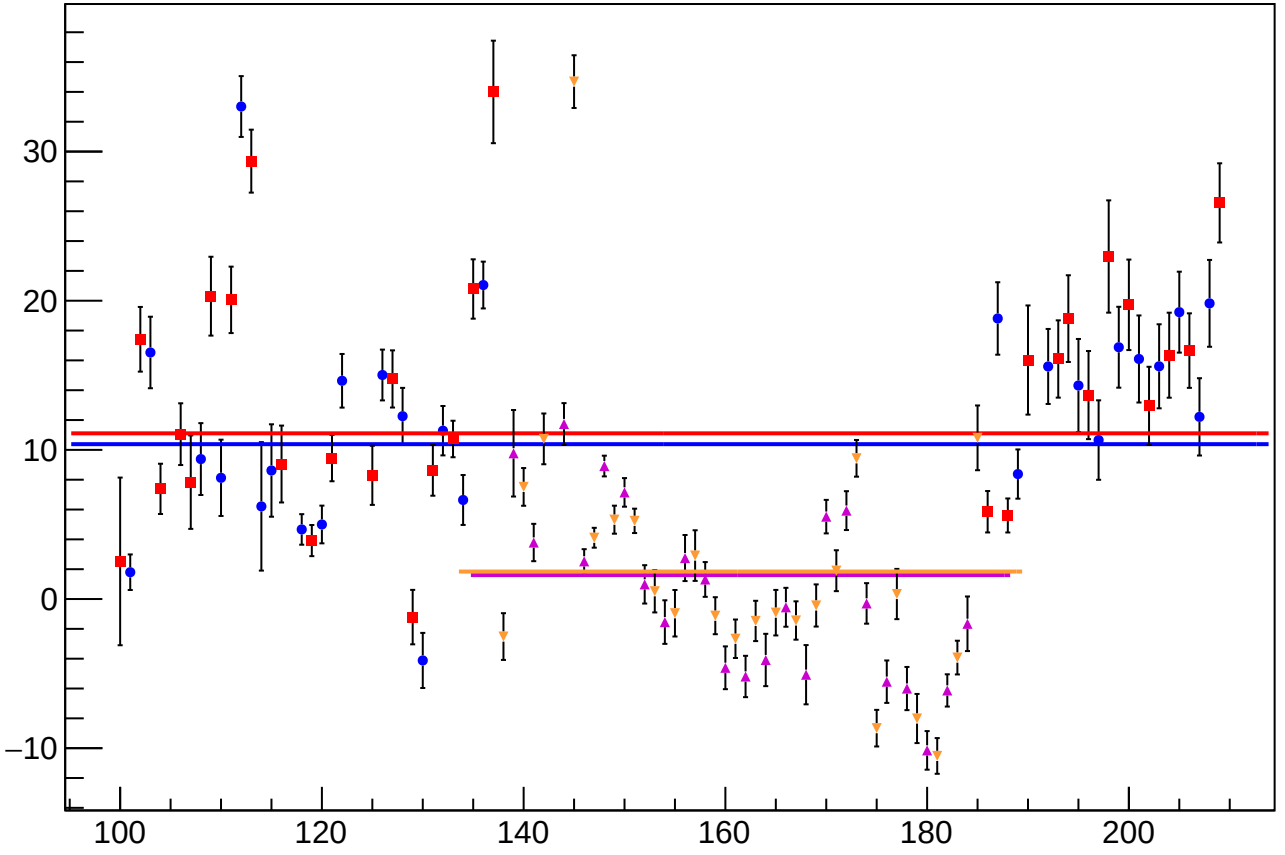
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.059+/-0.244 χ^2/NDF: 5900.0/50

All: -70.605+/-0.169 χ^2/NDF: 12994.0/103

- sign -72.043+/-0.235 χ^2/NDF: 7016.5/52

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.382+/-0.371 χ^2/NDF: 414.4/26

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.109+/-0.361 χ^2/NDF: 402.0/29

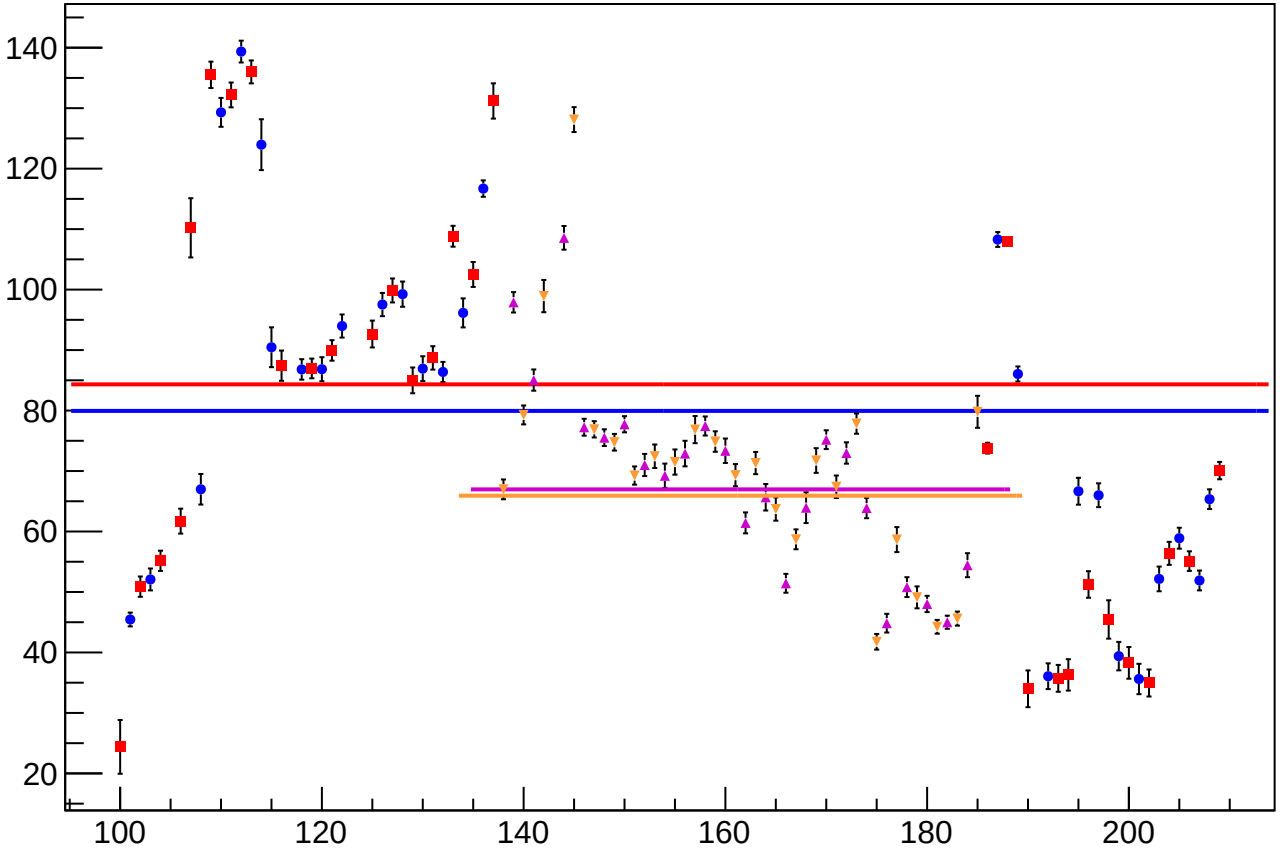
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.571+/-0.210 χ^2/NDF: 1555.9/50

All: 4.695+/-0.149 χ^2/NDF: 2912.8/103

- sign 4.820+/-0.210 χ^2/NDF: 1356.2/52

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 79.943+/-0.349 χ^2/NDF: 6247.6/26

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 84.333+/-0.315 χ^2/NDF: 7812.2/29

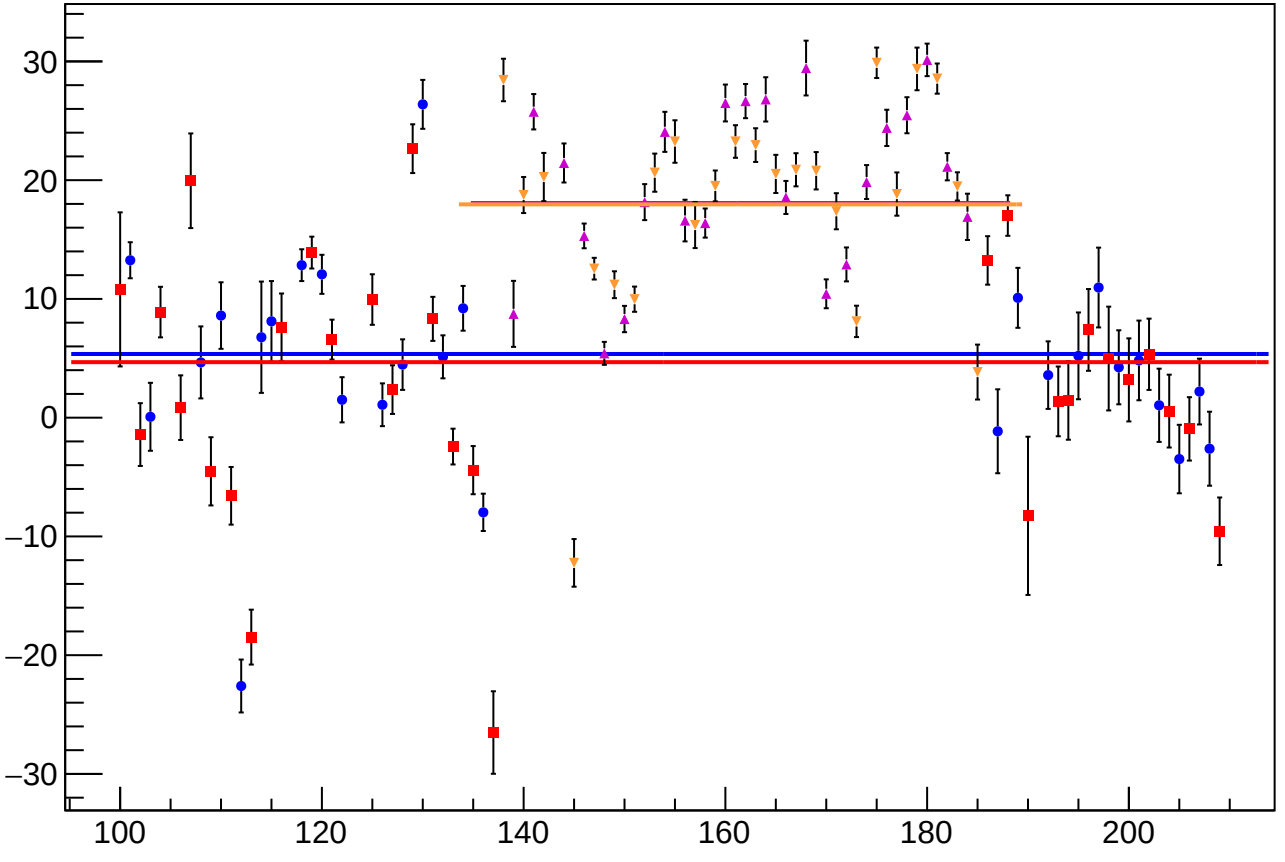
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 72.758+/-0.244 χ^2/NDF: 9629.7/50

All: 74.634+/-0.168 χ^2/NDF: 21172.8/103

- sign 76.328+/-0.232 χ^2/NDF: 11430.4/52

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.363+/-0.436 χ^2/NDF: 457.7/26

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.675+/-0.432 χ^2/NDF: 527.5/29

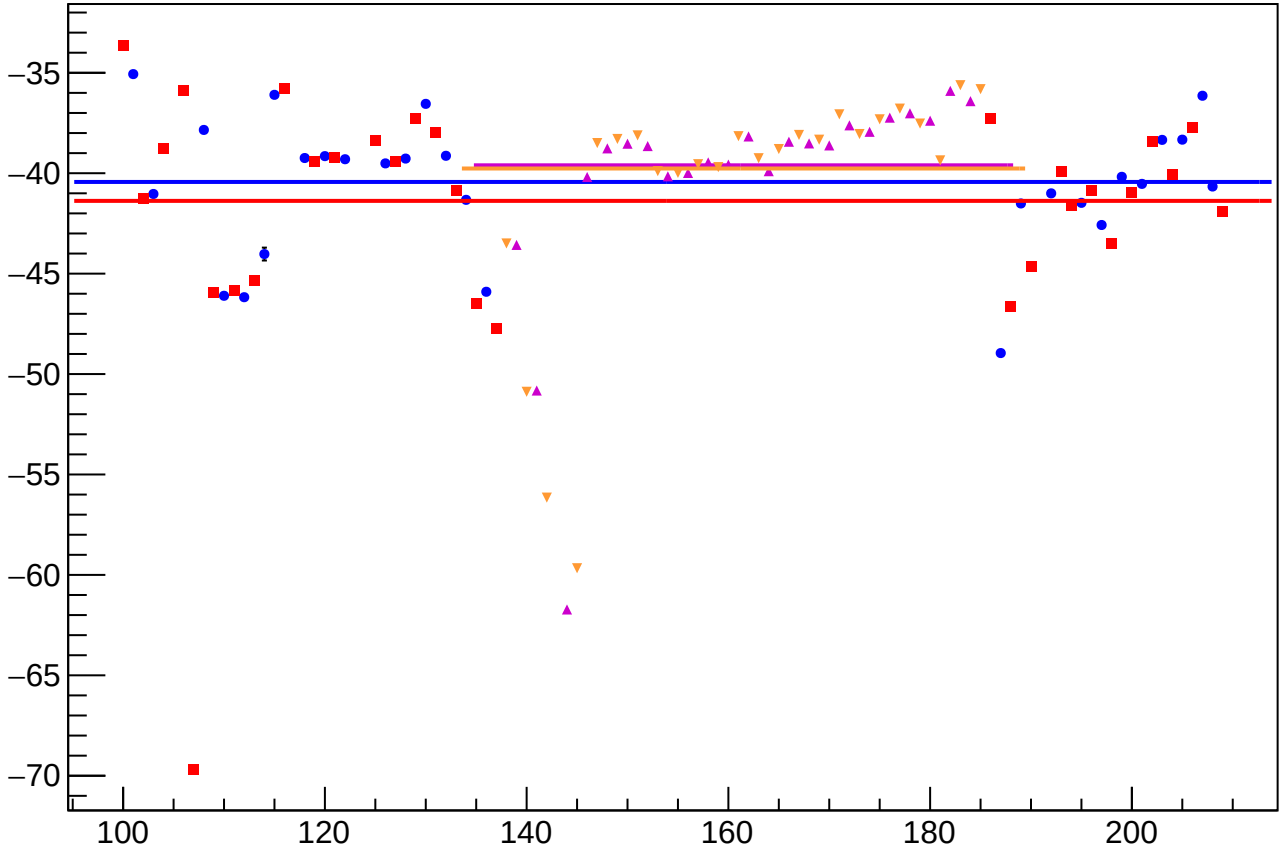
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.062+/-0.243 χ^2/NDF: 1766.4/50

All: 13.940+/-0.172 χ^2/NDF: 3556.7/103

- sign 13.817+/-0.243 χ^2/NDF: 1789.7/52

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.434+/-0.022 χ^2/NDF: 22859.7/26

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.377+/-0.021 χ^2/NDF: 44632.9/29

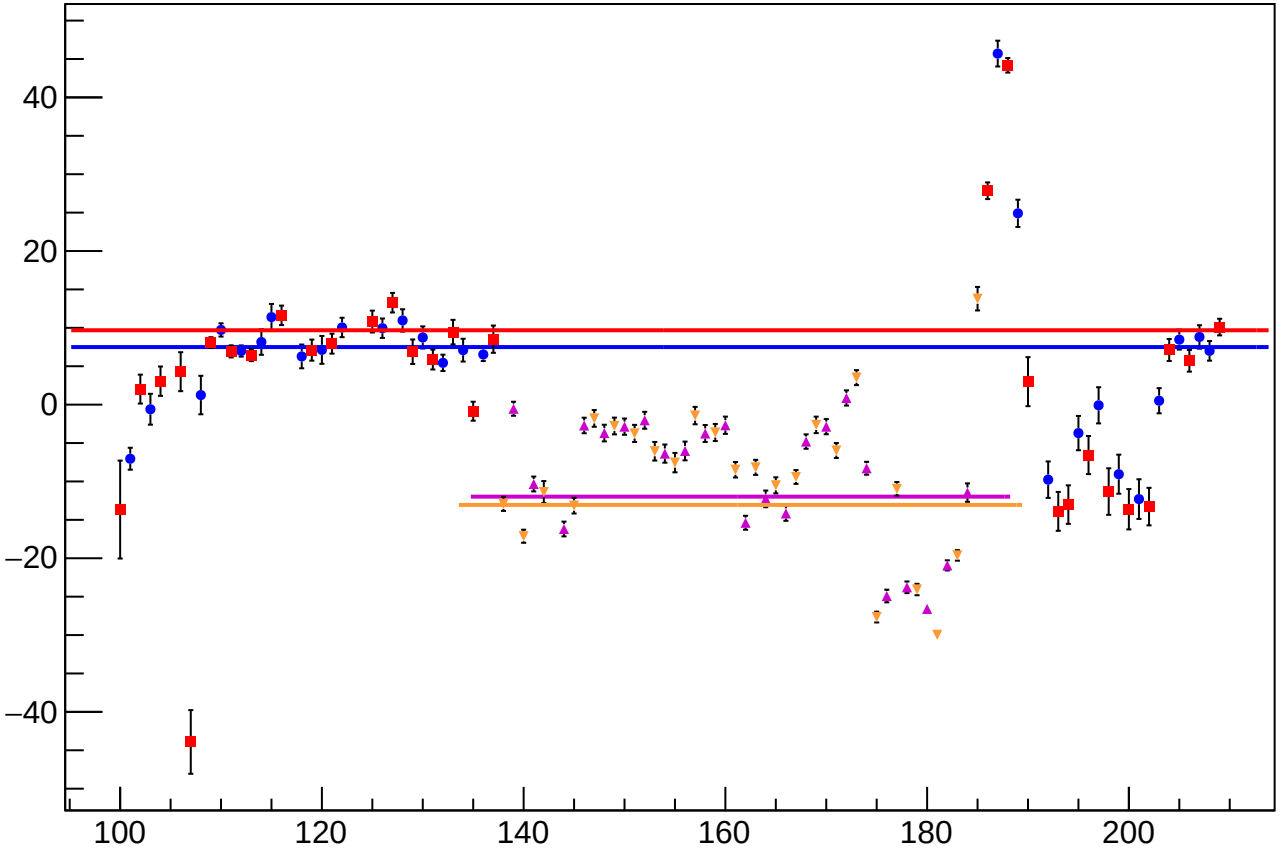
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.953+/-0.011 χ^2/NDF: 153448.9/50

All: -40.029+/-0.008 χ^2/NDF: 309729.2/103

- sign -40.103+/-0.011 χ^2/NDF: 156193.5/52

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.496+/-0.267 χ^2/NDF: 980.6/26

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.684+/-0.250 χ^2/NDF: 2387.3/29

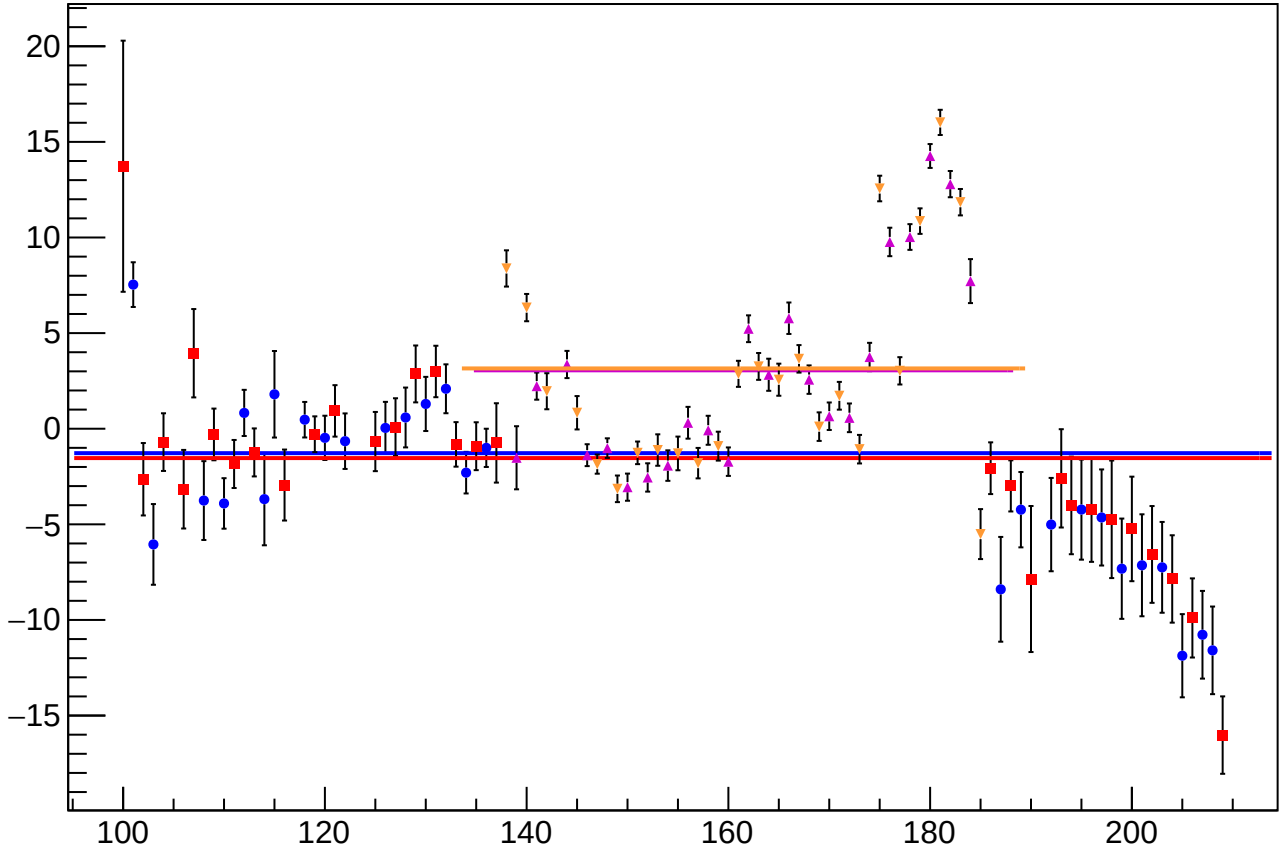
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -6.023+/-0.156 χ^2/NDF: 7737.2/50

All: -4.865+/-0.110 χ^2/NDF: 17076.2/103

- sign -3.744+/-0.154 χ^2/NDF: 9231.2/52

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.278+/-0.301 χ^2/NDF: 183.0/26

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.536+/-0.300 χ^2/NDF: 129.6/29

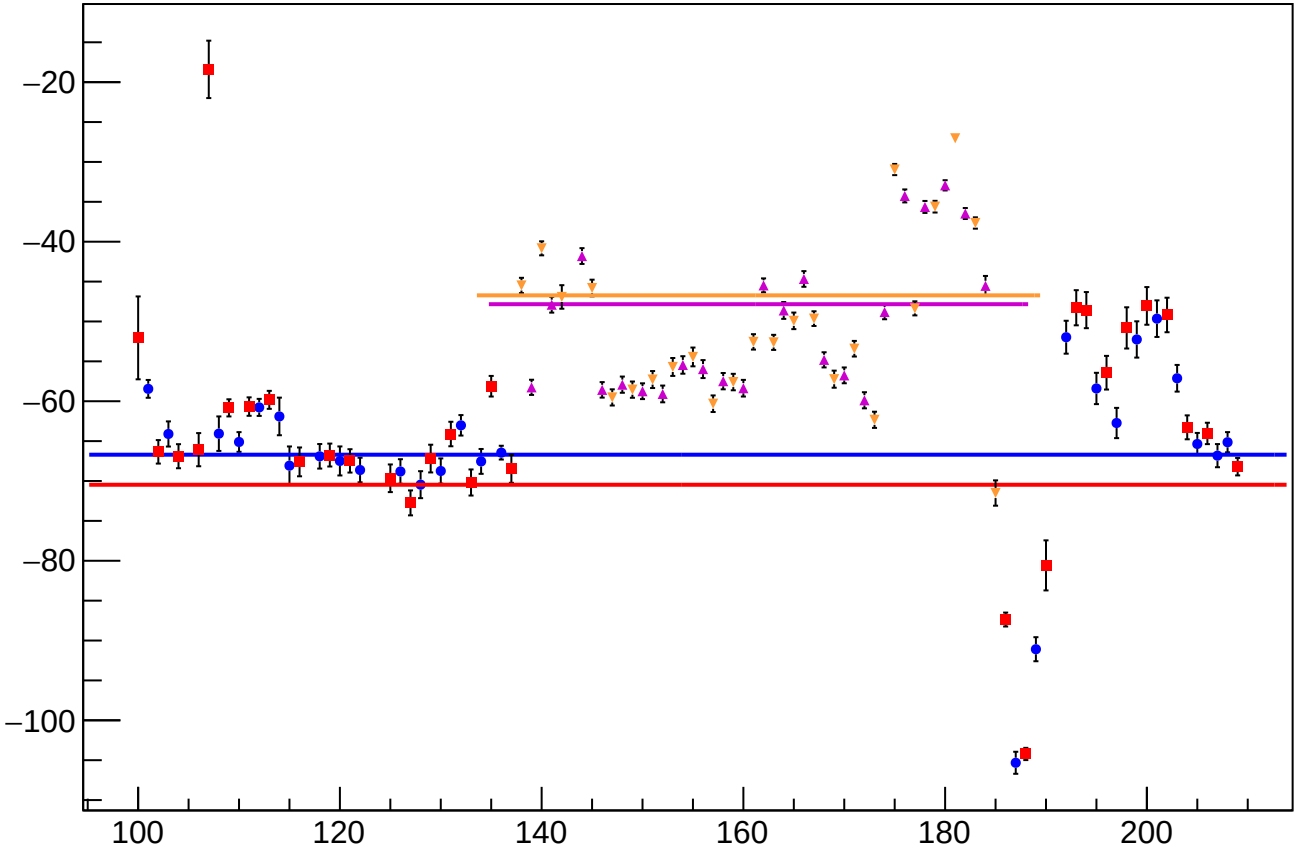
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.281+/-0.134 χ^2/NDF: 1741.9/50

All: 2.200+/-0.095 χ^2/NDF: 3203.5/103

- sign 2.117+/-0.136 χ^2/NDF: 1460.9/52

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.702+/-0.288 χ^2/NDF: 1362.2/26

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.470+/-0.269 χ^2/NDF: 3471.9/29

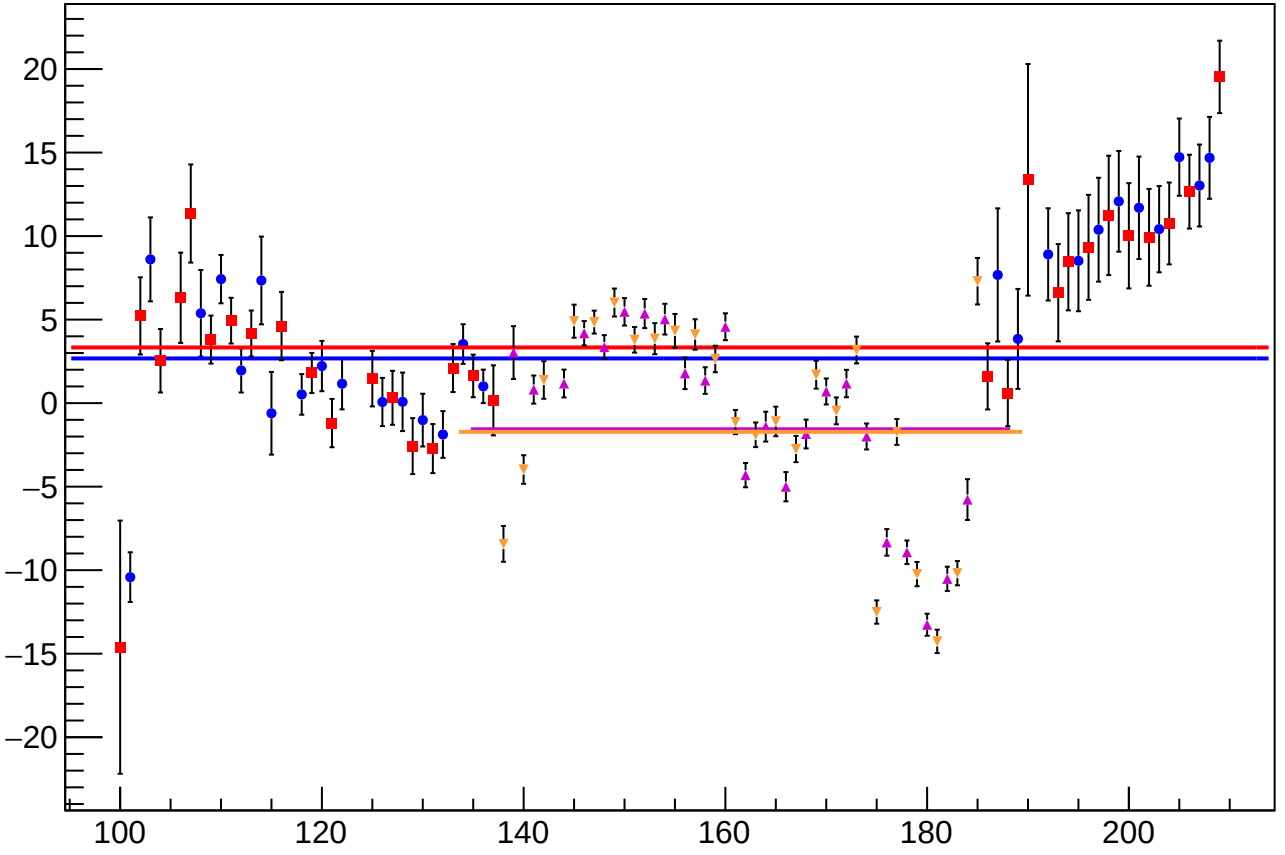
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -52.858+/-0.159 χ^2/NDF: 8148.2/50

All: -54.234+/-0.112 χ^2/NDF: 18985.3/103

- sign -55.573+/-0.157 χ^2/NDF: 10690.2/52

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.676+/-0.343 χ^2/NDF: 242.1/26

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.332+/-0.346 χ^2/NDF: 177.8/29

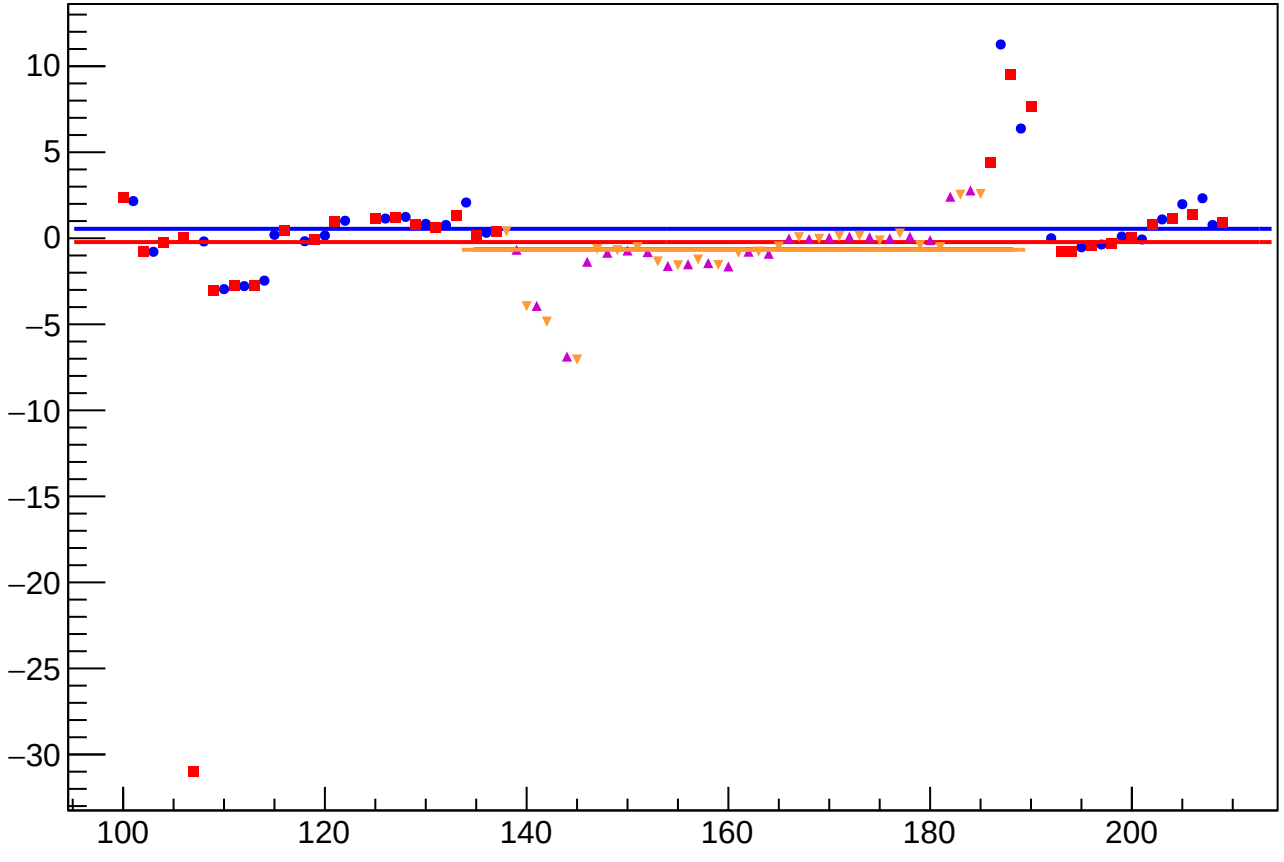
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

\+ sign -0.870+/-0.151 χ^2/NDF: 1780.5/50

All: -0.742+/-0.107 χ^2/NDF: 3238.4/103

\- sign -0.610+/-0.153 χ^2/NDF: 1456.5/52

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.550+/-0.017 χ^2/NDF: 10285.8/26

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.221+/-0.018 χ^2/NDF: 60852.1/29

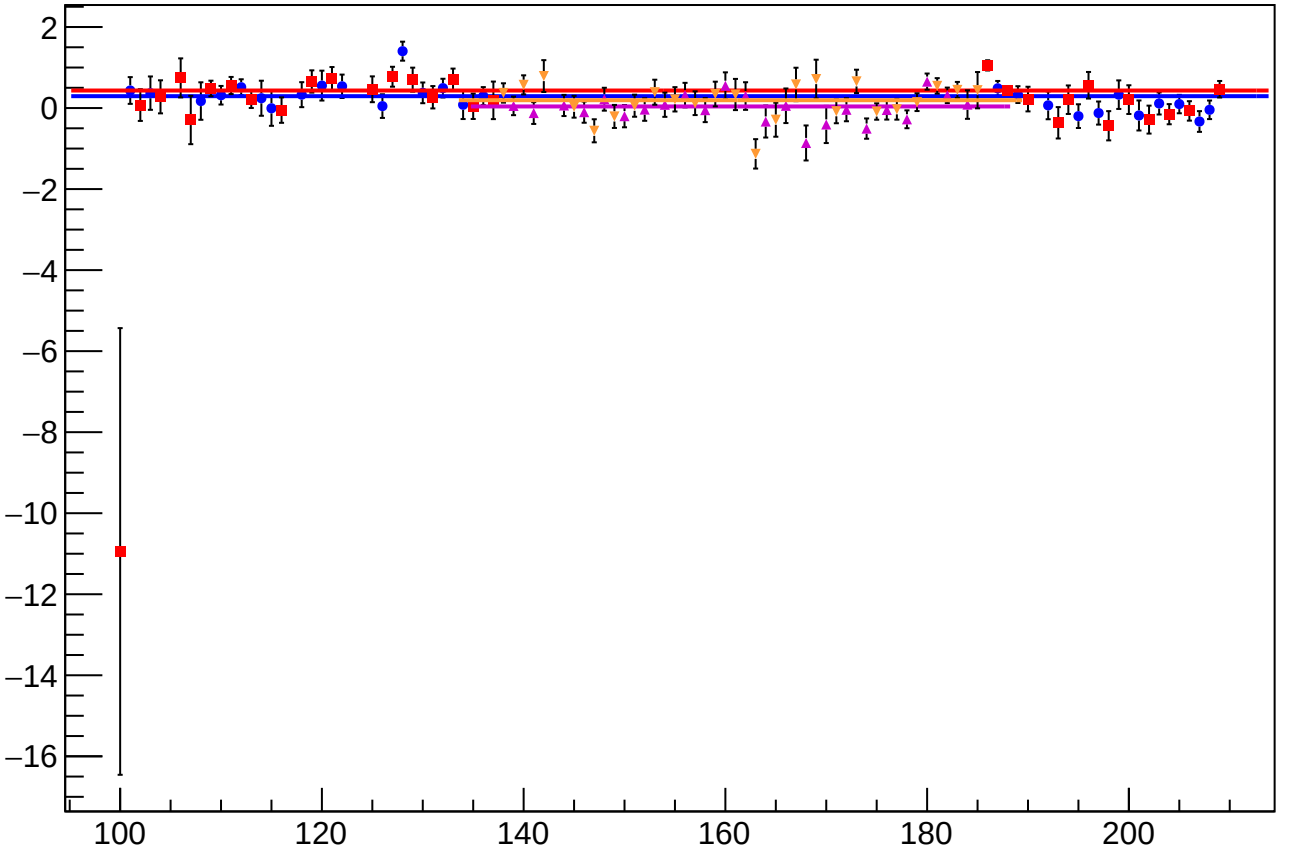
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.473+/-0.007 χ^2/NDF: 69717.5/50

All: -0.526+/-0.005 χ^2/NDF: 176752.4/103

- sign -0.580+/-0.007 χ^2/NDF: 106914.5/52

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.293+/-0.052 χ^2/NDF: 45.2/26

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.433+/-0.046 χ^2/NDF: 68.5/29

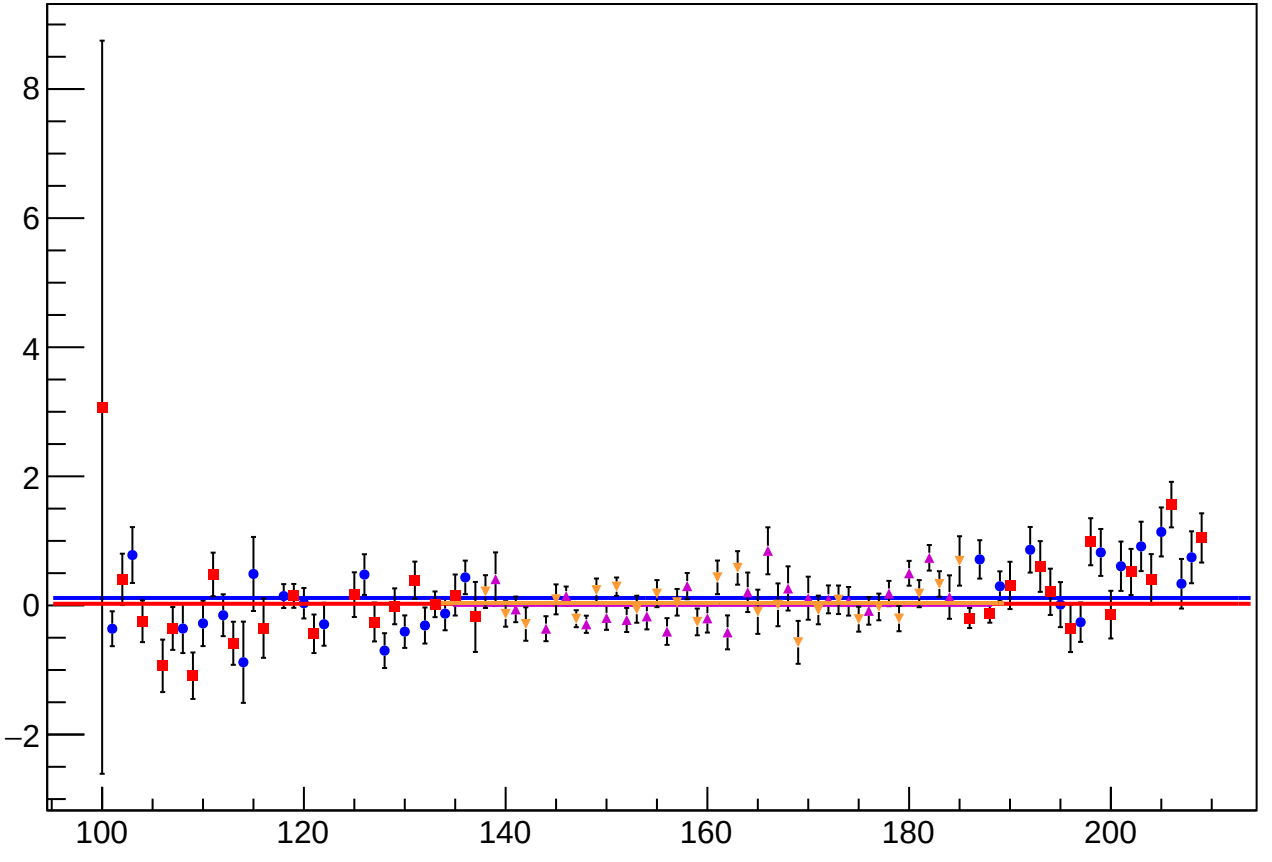
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.247+/-0.038 χ^2/NDF: 91.0/50

All: 0.265+/-0.026 χ^2/NDF: 219.0/103

- sign 0.281+/-0.036 χ^2/NDF: 127.6/52

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.116+/-0.059 χ^2/NDF: 63.6/26

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.026+/-0.054 χ^2/NDF: 73.4/29

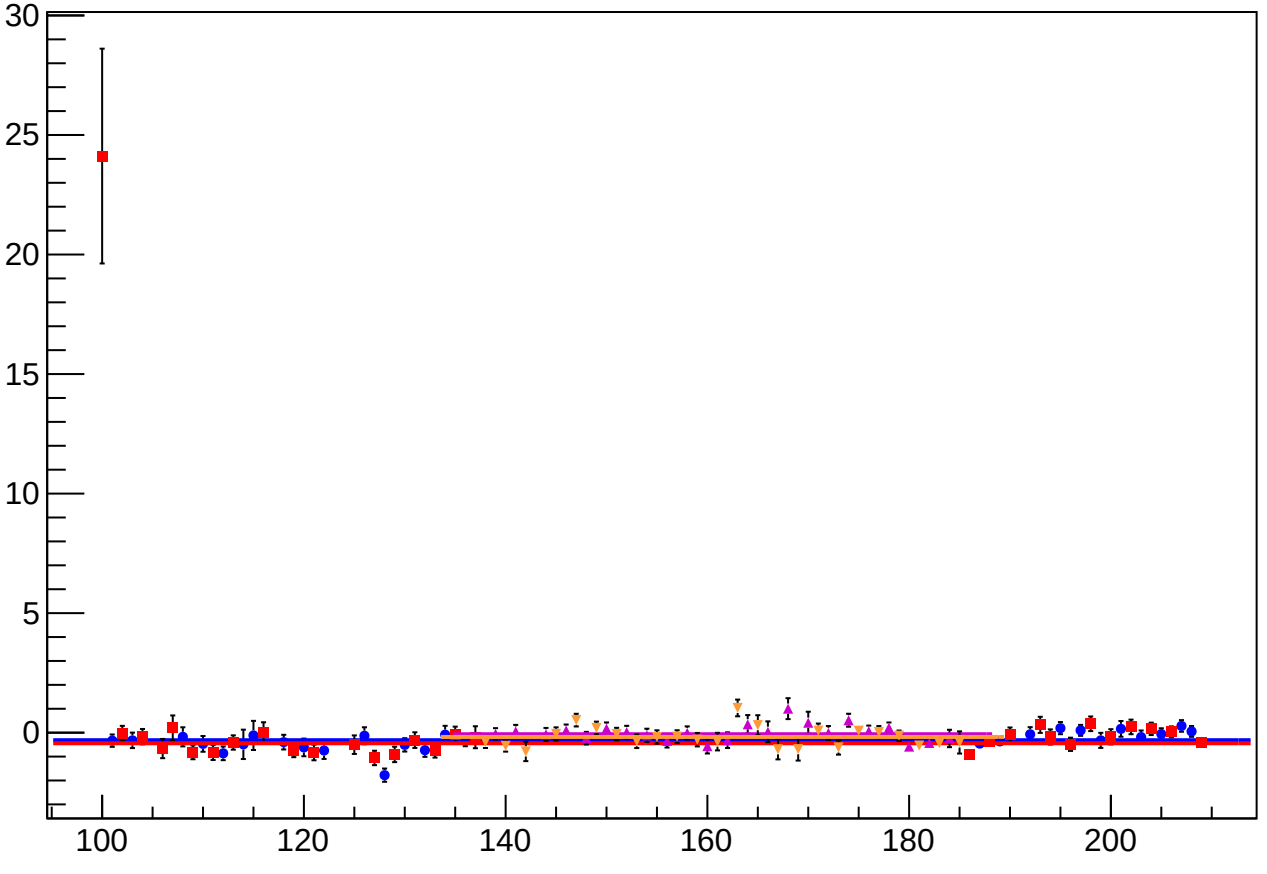
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.065+/-0.035 χ^2/NDF: 97.5/50

All: 0.040+/-0.024 χ^2/NDF: 223.3/103

- sign 0.015+/-0.034 χ^2/NDF: 124.8/52

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.315+/-0.052 χ^2/NDF: 58.6/26

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.443+/-0.044 χ^2/NDF: 100.8/29

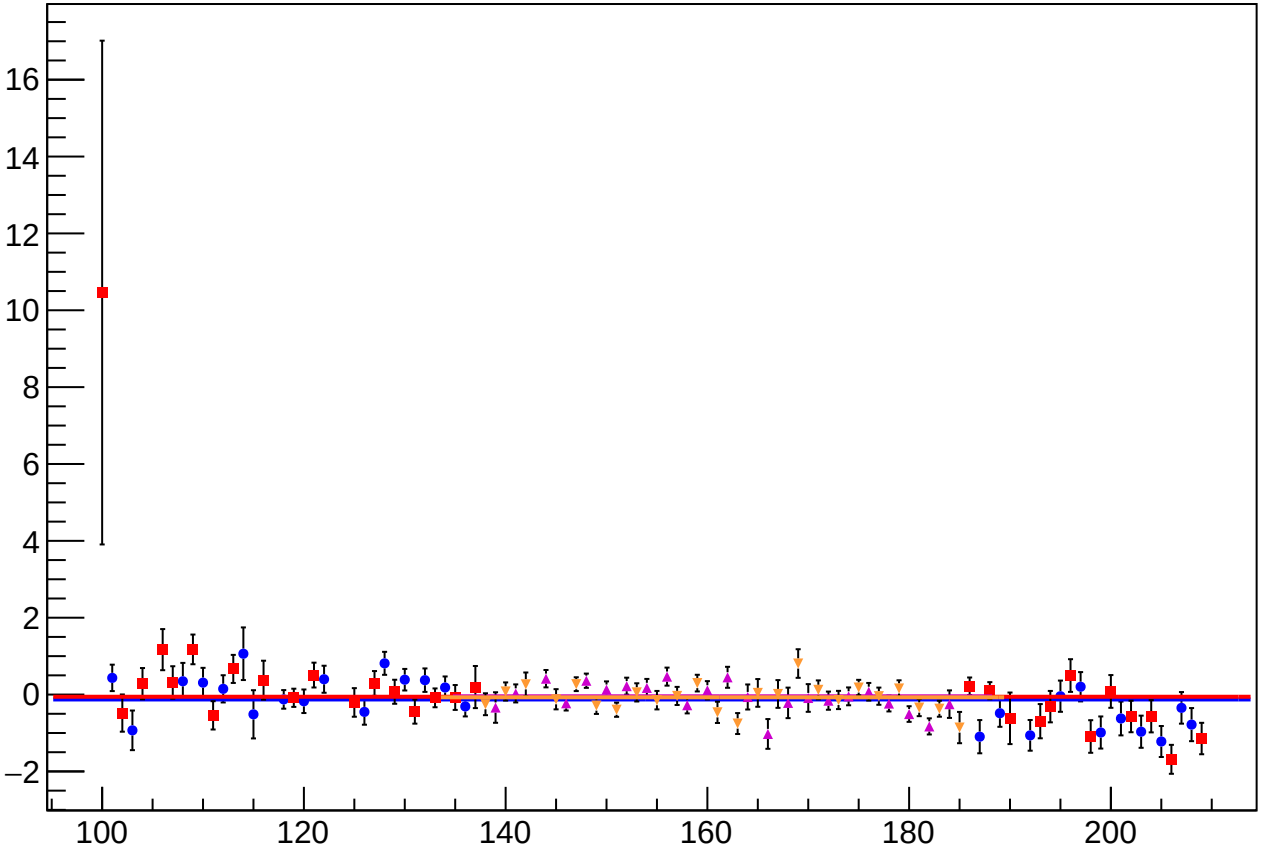
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.252+/-0.038 χ^2/NDF: 104.0/50

All: -0.280+/-0.026 χ^2/NDF: 264.9/103

- sign -0.304+/-0.035 χ^2/NDF: 159.9/52

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.128+/-0.069 χ^2/NDF: 64.0/26

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.057+/-0.065 χ^2/NDF: 74.5/29

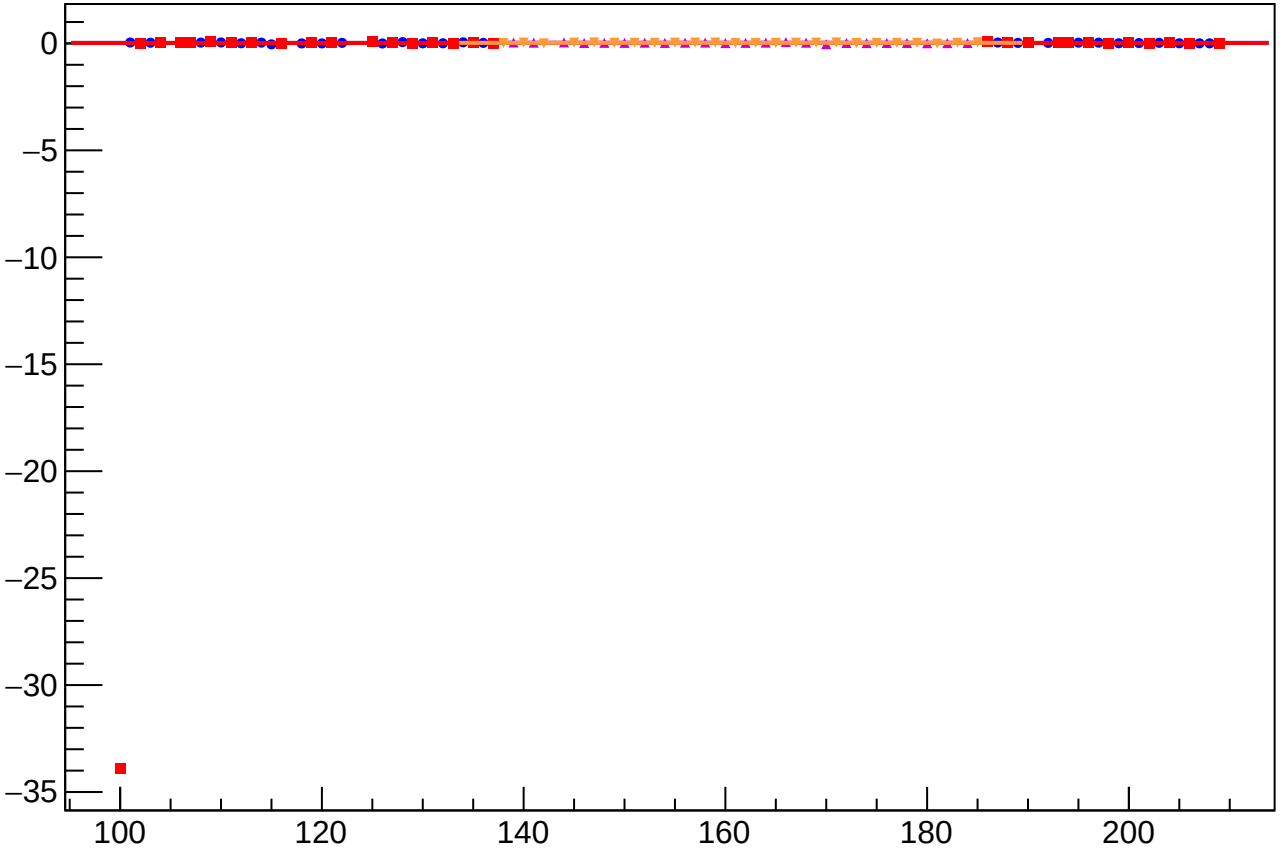
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.090+/-0.040 χ^2/NDF: 102.1/50

All: -0.070+/-0.028 χ^2/NDF: 227.6/103

- sign -0.051+/-0.040 χ^2/NDF: 125.0/52

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.023+/-0.003 χ^2/NDF: 23.7/26

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.3/29

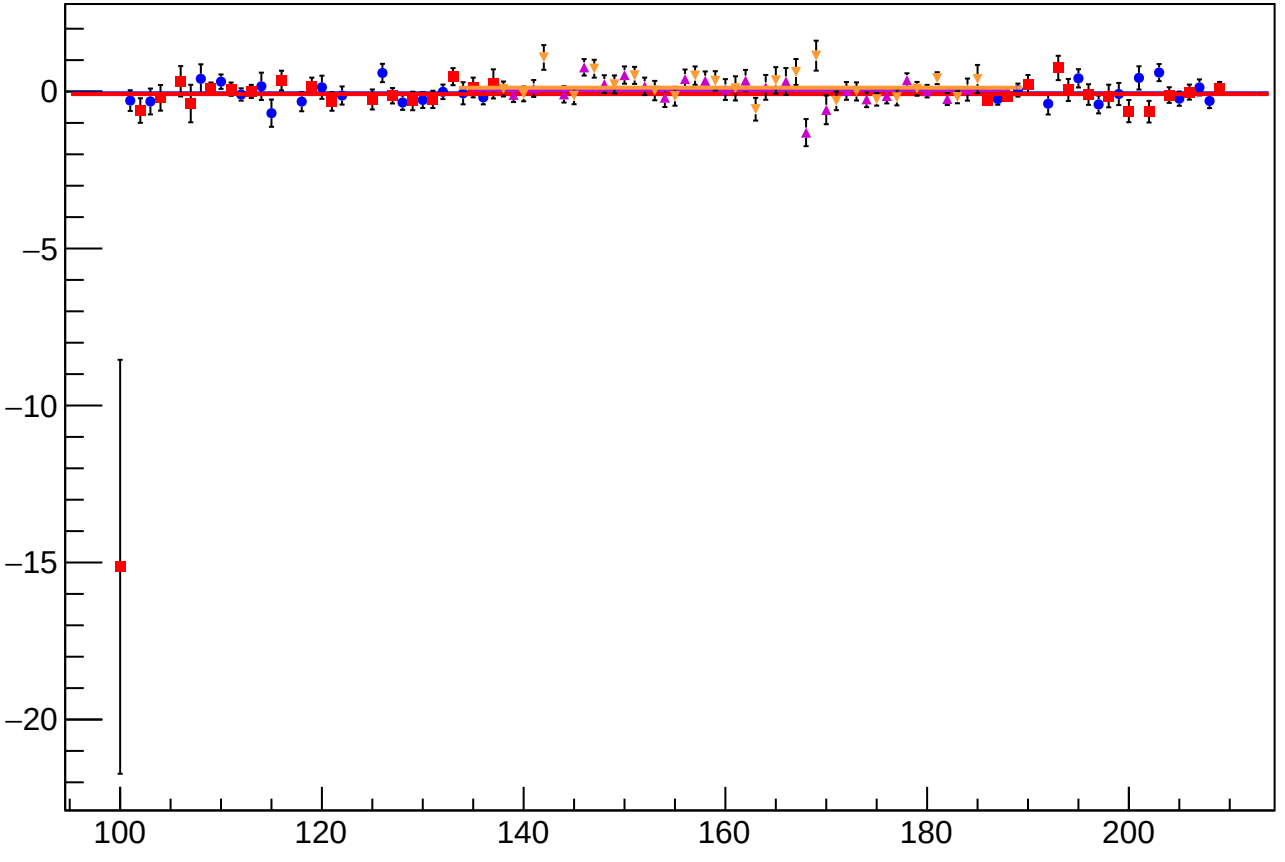
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

\+ sign 0.025+/-0.002 χ^2/NDF: 55.6/50

All: 0.025+/-0.001 χ^2/NDF: 22411.8/103

\- sign 0.025+/-0.002 χ^2/NDF: 22356.1/52

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.057+/-0.052 χ^2/NDF: 31.8/26

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.083+/-0.046 χ^2/NDF: 34.4/29

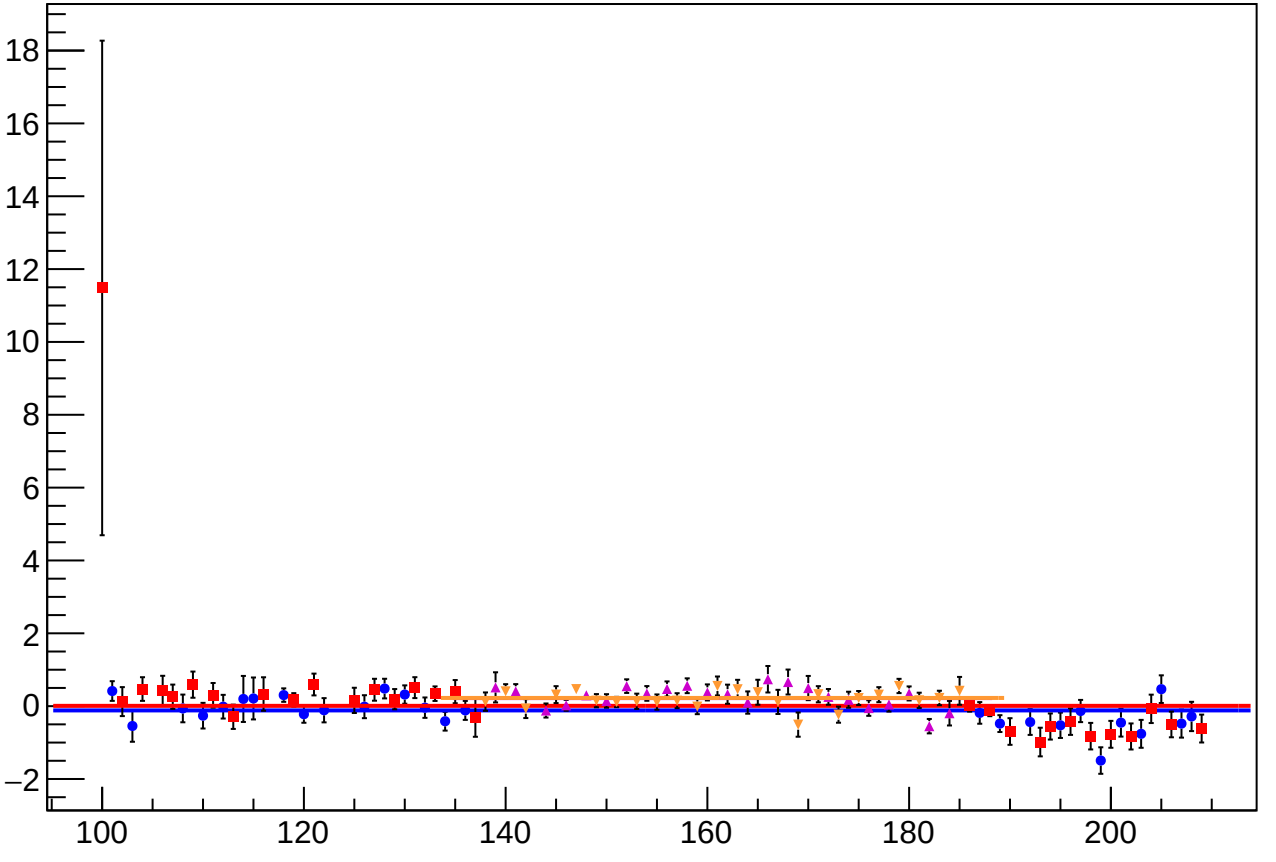
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.025+/-0.038 χ^2/NDF: 76.8/50

All: -0.002+/-0.026 χ^2/NDF: 150.4/103

- sign -0.026+/-0.036 χ^2/NDF: 72.6/52

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.117+/-0.059 χ^2/NDF: 46.6/26

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.008+/-0.054 χ^2/NDF: 61.1/29

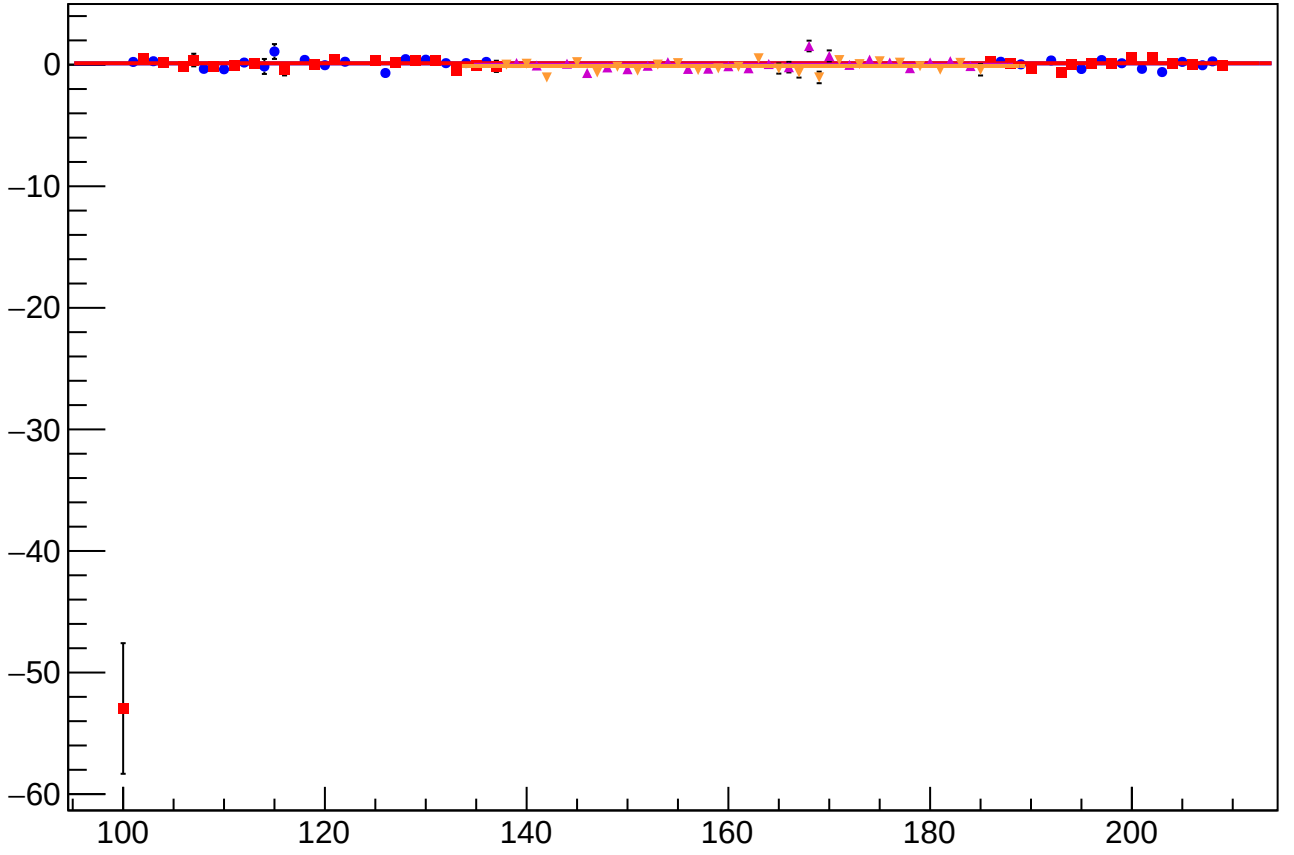
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.106+/-0.035 χ^2/NDF: 92.5/50

All: 0.121+/-0.024 χ^2/NDF: 202.6/103

- sign 0.135+/-0.034 χ^2/NDF: 109.8/52

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.110+/-0.052 χ^2/NDF: 32.1/26

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.122+/-0.044 χ^2/NDF: 123.3/29

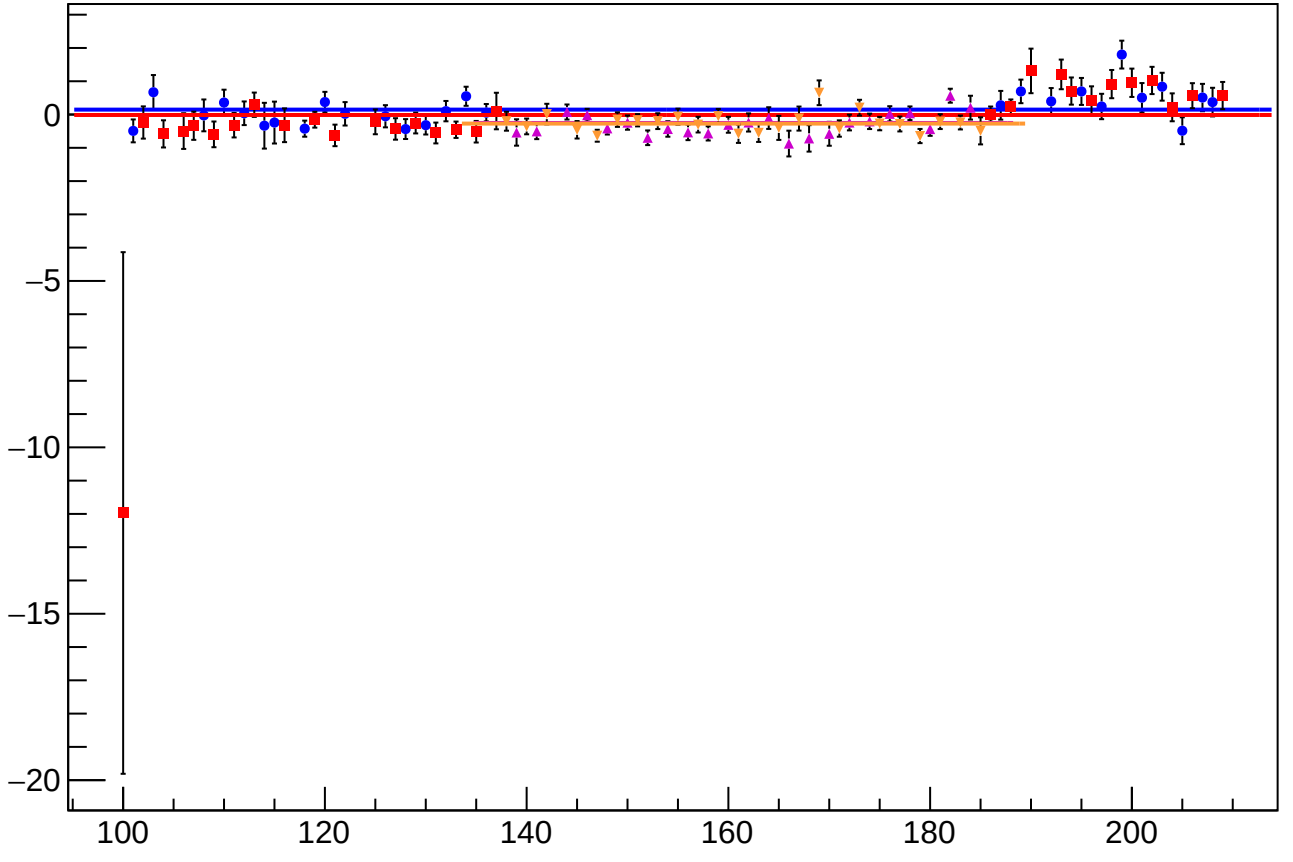
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.010+/-0.038 χ^2/NDF: 77.5/50

All: 0.045+/-0.026 χ^2/NDF: 243.6/103

- sign 0.073+/-0.035 χ^2/NDF: 164.6/52

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.148+/-0.069 χ^2/NDF: 48.5/26

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.013+/-0.066 χ^2/NDF: 63.0/29

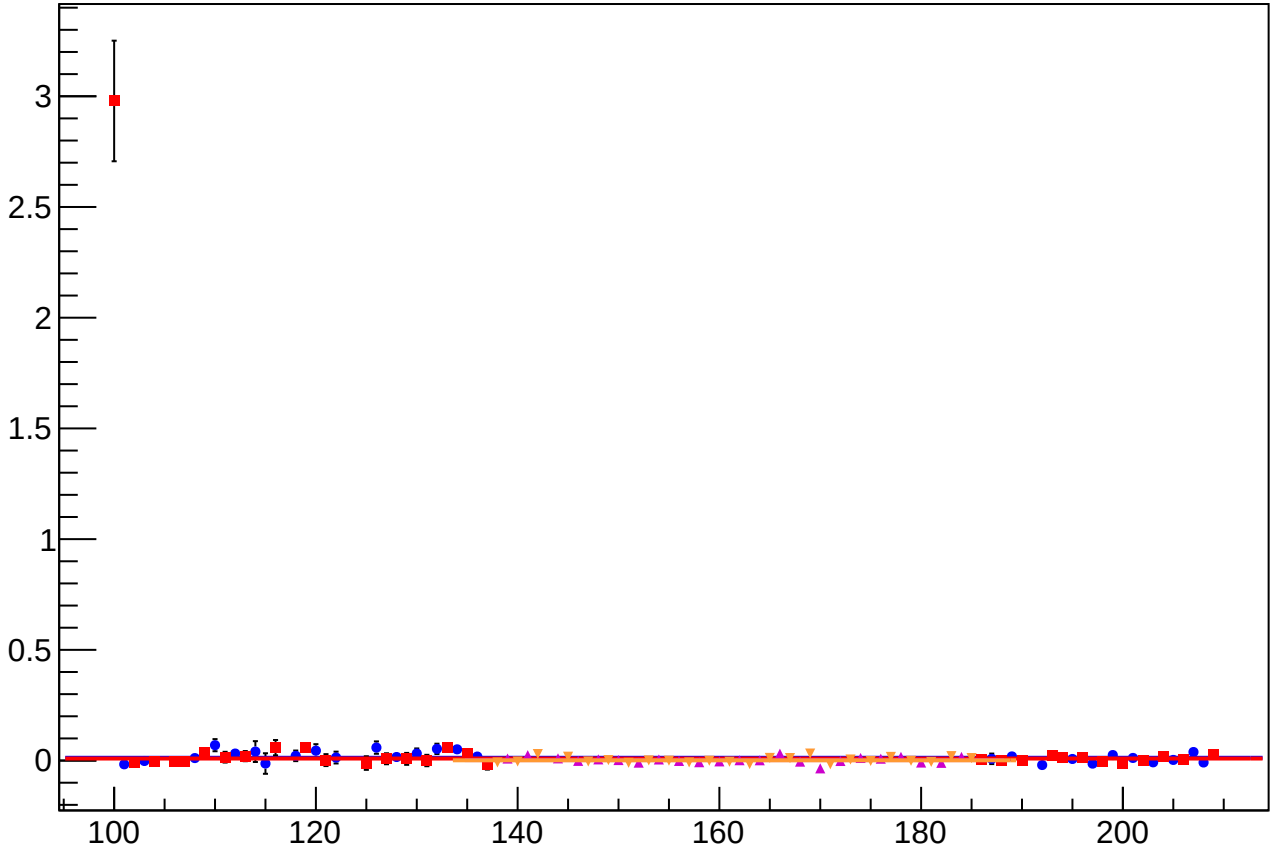
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

\+ sign -0.131+/-0.040 χ^2/NDF: 97.7/50

All: -0.148+/-0.028 χ^2/NDF: 210.2/103

\- sign -0.165+/-0.040 χ^2/NDF: 112.1/52

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.003 χ^2/NDF: 44.3/26

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 150.5/29

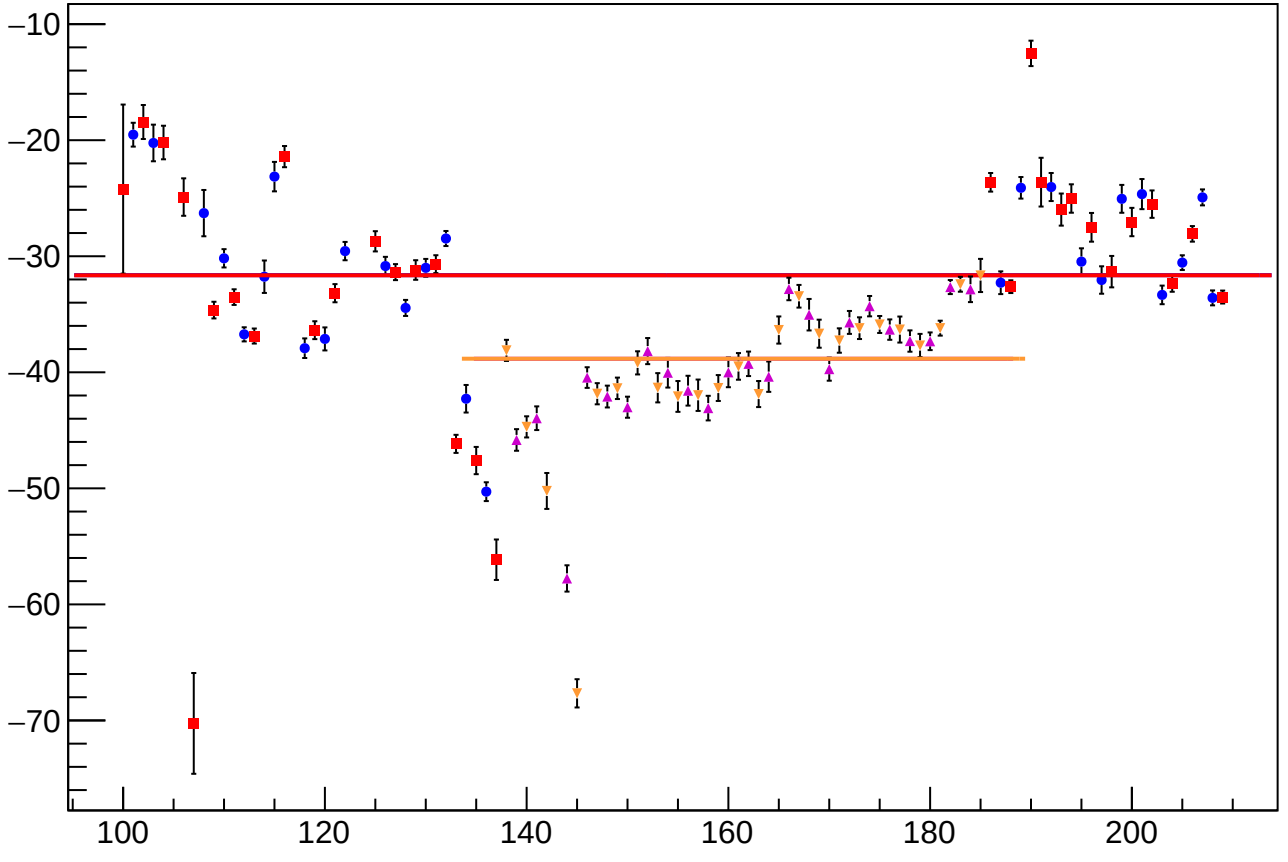
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 79.4/50

All: 0.005+/-0.001 χ^2/NDF: 257.8/103

- sign 0.005+/-0.002 χ^2/NDF: 178.4/52

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.629+/-0.168 χ^2/NDF: 1339.6/26

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.642+/-0.161 χ^2/NDF: 1804.5/30

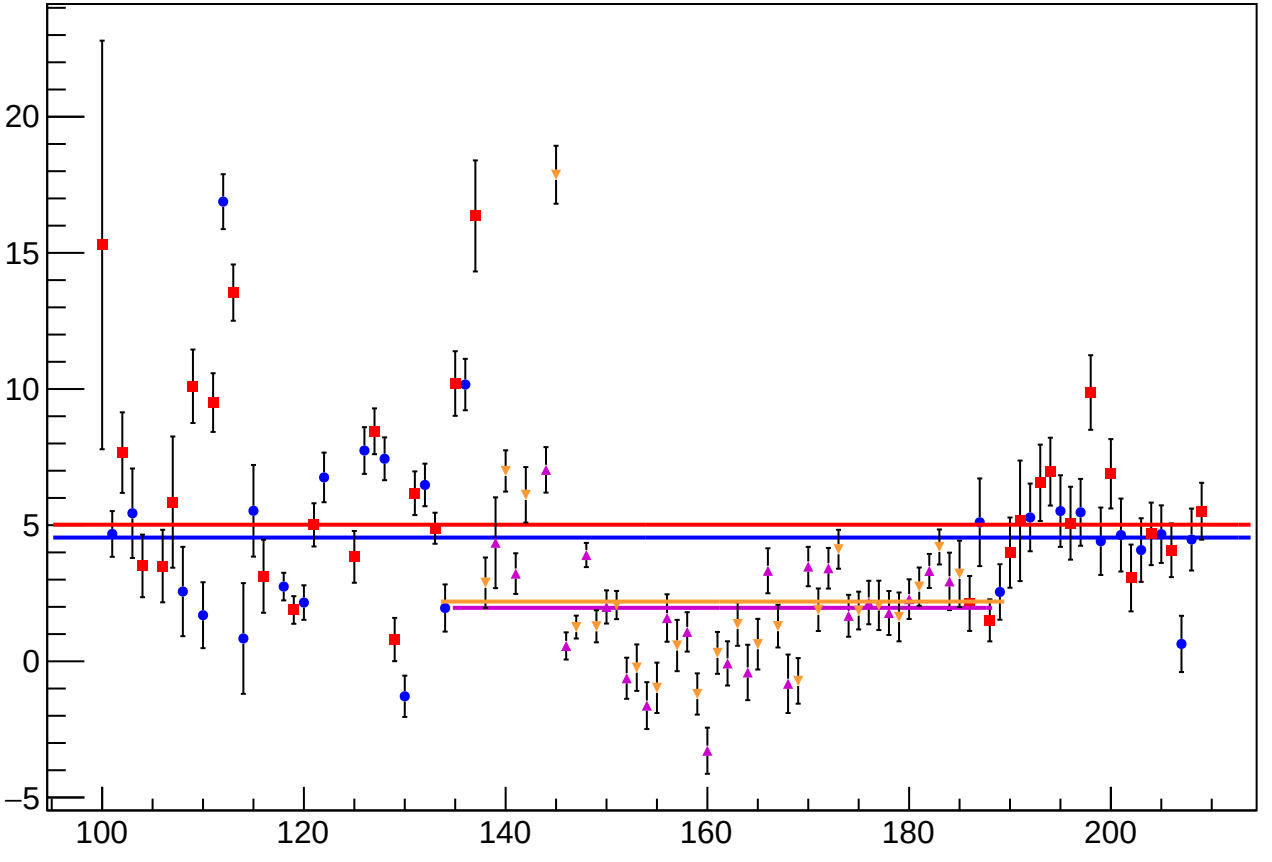
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -34.581+/-0.129 χ^2/NDF: 3005.8/50

All: -34.491+/-0.090 χ^2/NDF: 6235.5/104

- sign -34.405+/-0.126 χ^2/NDF: 3228.7/53

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.545+/-0.187 χ^2/NDF: 350.3/26

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.017+/-0.183 χ^2/NDF: 298.2/30

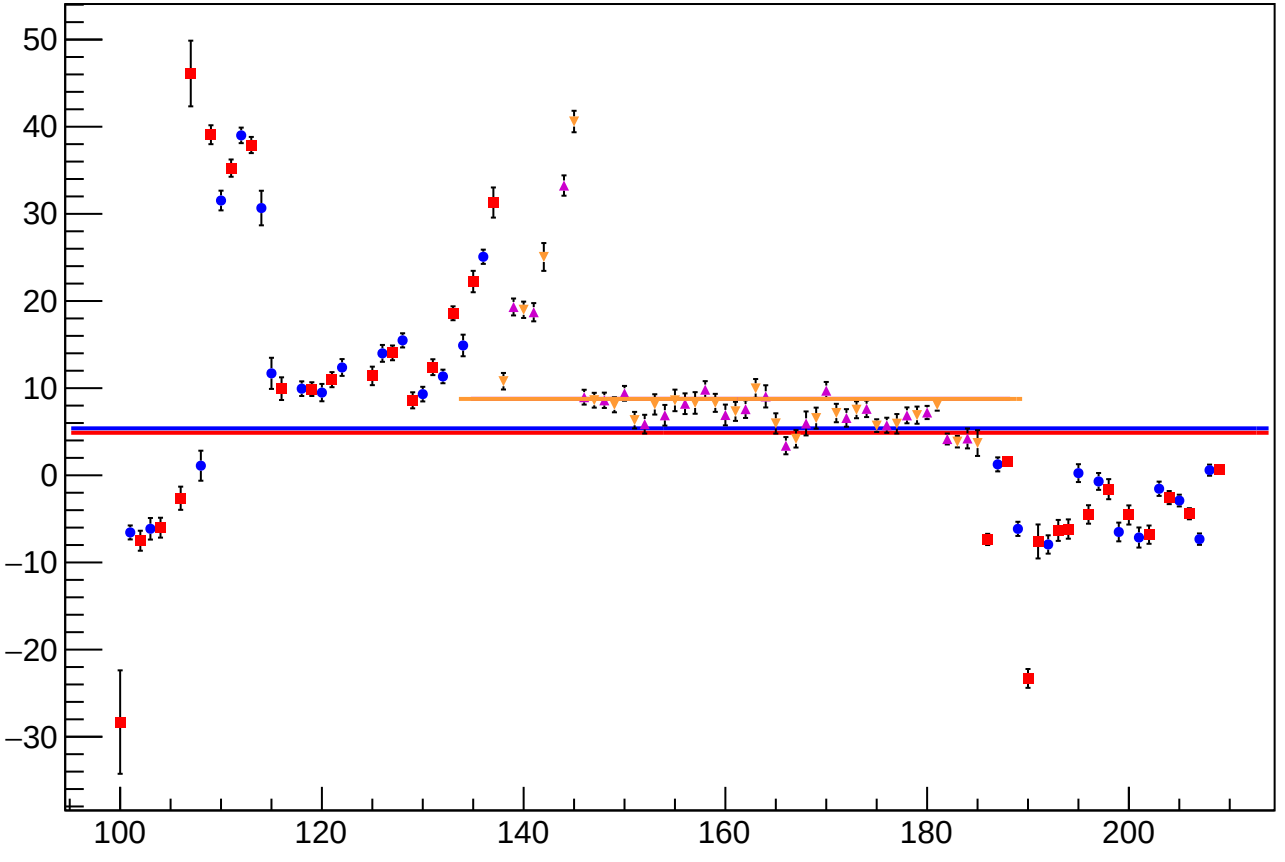
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

\+ sign 3.131+/-0.118 χ^2/NDF: 810.4/50

All: 3.182+/-0.084 χ^2/NDF: 1444.1/104

\- sign 3.234+/-0.118 χ^2/NDF: 633.4/53

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 5.388+/-0.175 χ^2/NDF: 4846.6/26

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 4.880+/-0.165 χ^2/NDF: 6662.8/30

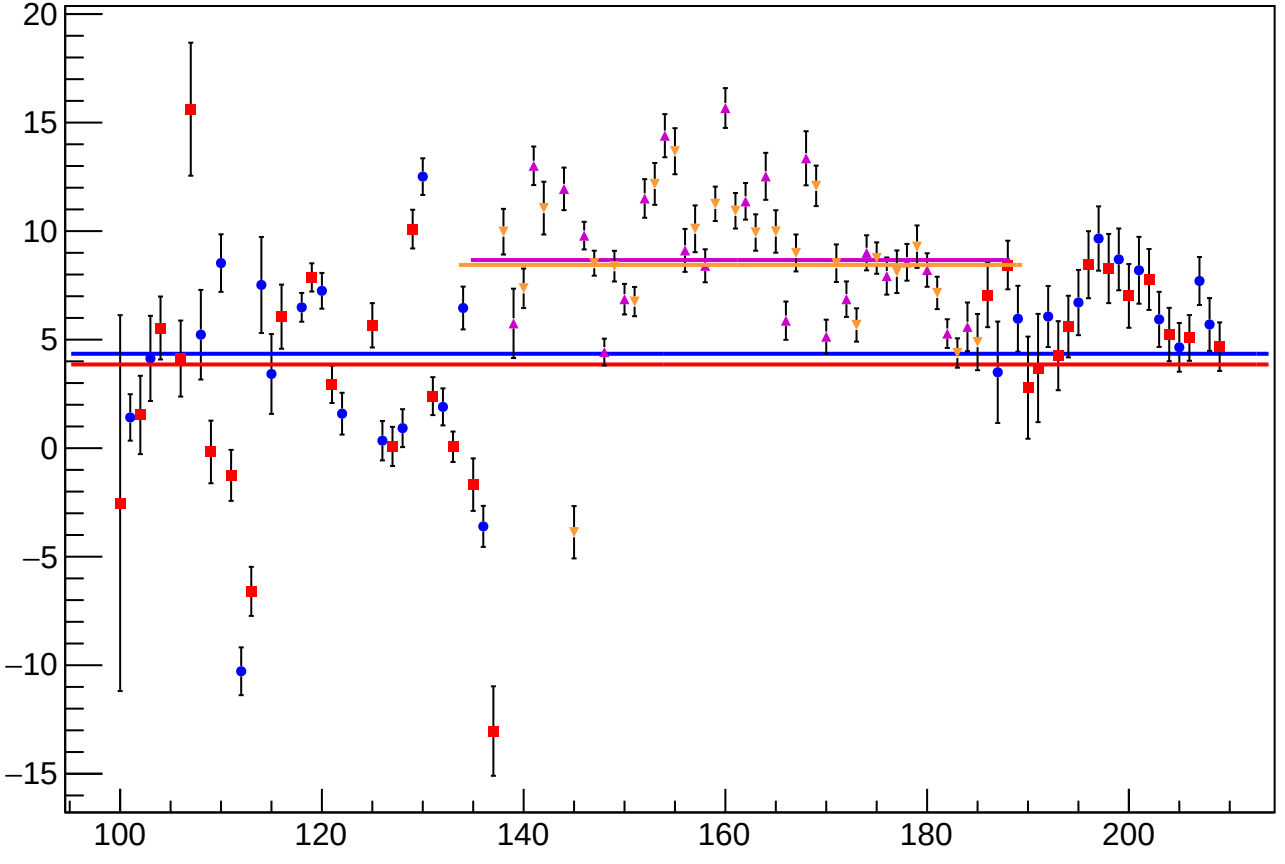
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 6.852+/-0.132 χ^2/NDF: 6042.8/50

All: 6.639+/-0.092 χ^2/NDF: 13729.4/104

- sign 6.441+/-0.128 χ^2/NDF: 7681.6/53

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.349+/-0.216 χ^2/NDF: 485.1/26

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.856+/-0.214 χ^2/NDF: 416.9/30

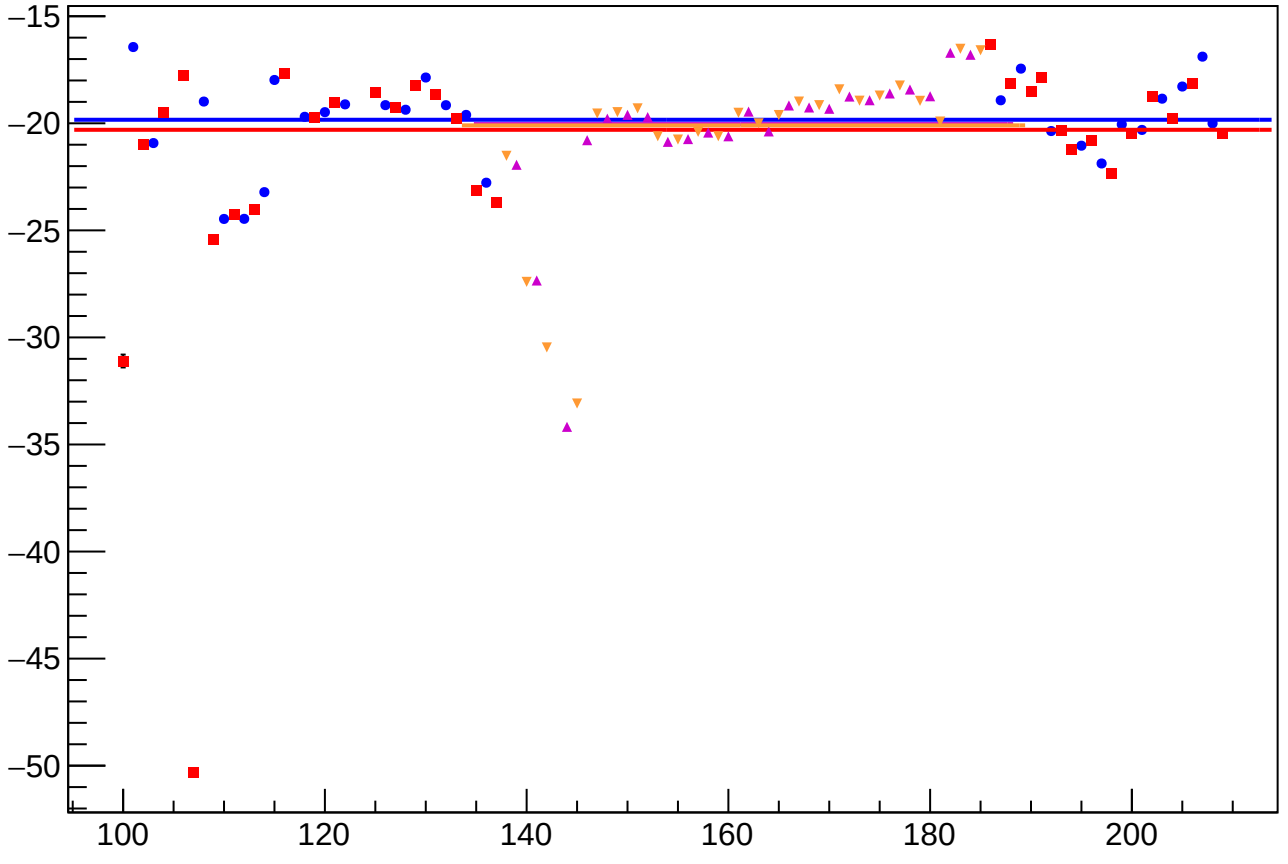
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.839+/-0.135 χ^2/NDF: 967.2/50

All: 6.787+/-0.096 χ^2/NDF: 1990.2/104

- sign 6.735+/-0.136 χ^2/NDF: 1022.7/53

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.835+/-0.011 χ^2/NDF: 31006.7/26

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.304+/-0.011 χ^2/NDF: 71484.5/30

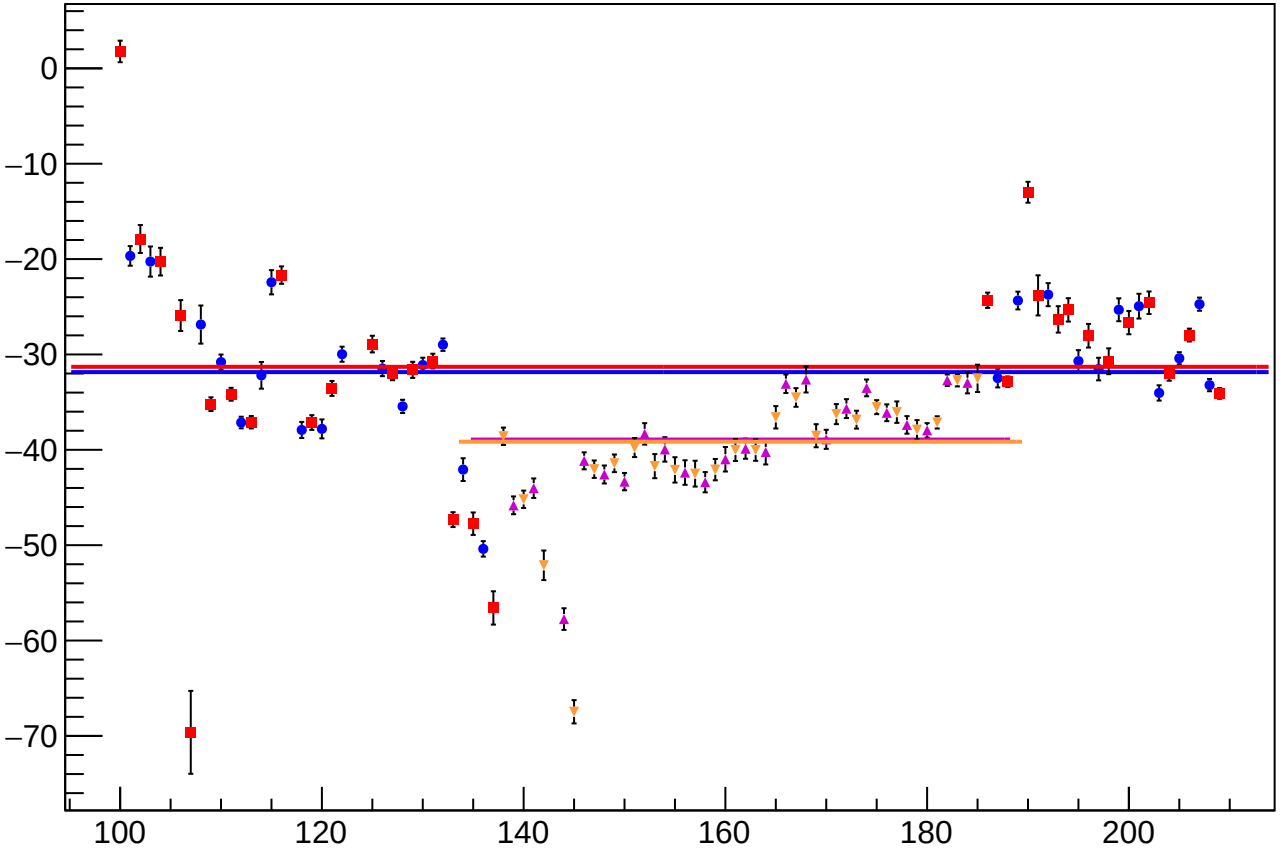
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.005+/-0.006 χ^2/NDF: 190680.0/50

All: -20.069+/-0.004 χ^2/NDF: 395066.3/104

- sign -20.133+/-0.006 χ^2/NDF: 204183.5/53

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.852+/-0.169 χ^2/NDF: 1360.6/26

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.296+/-0.159 χ^2/NDF: 2746.2/30

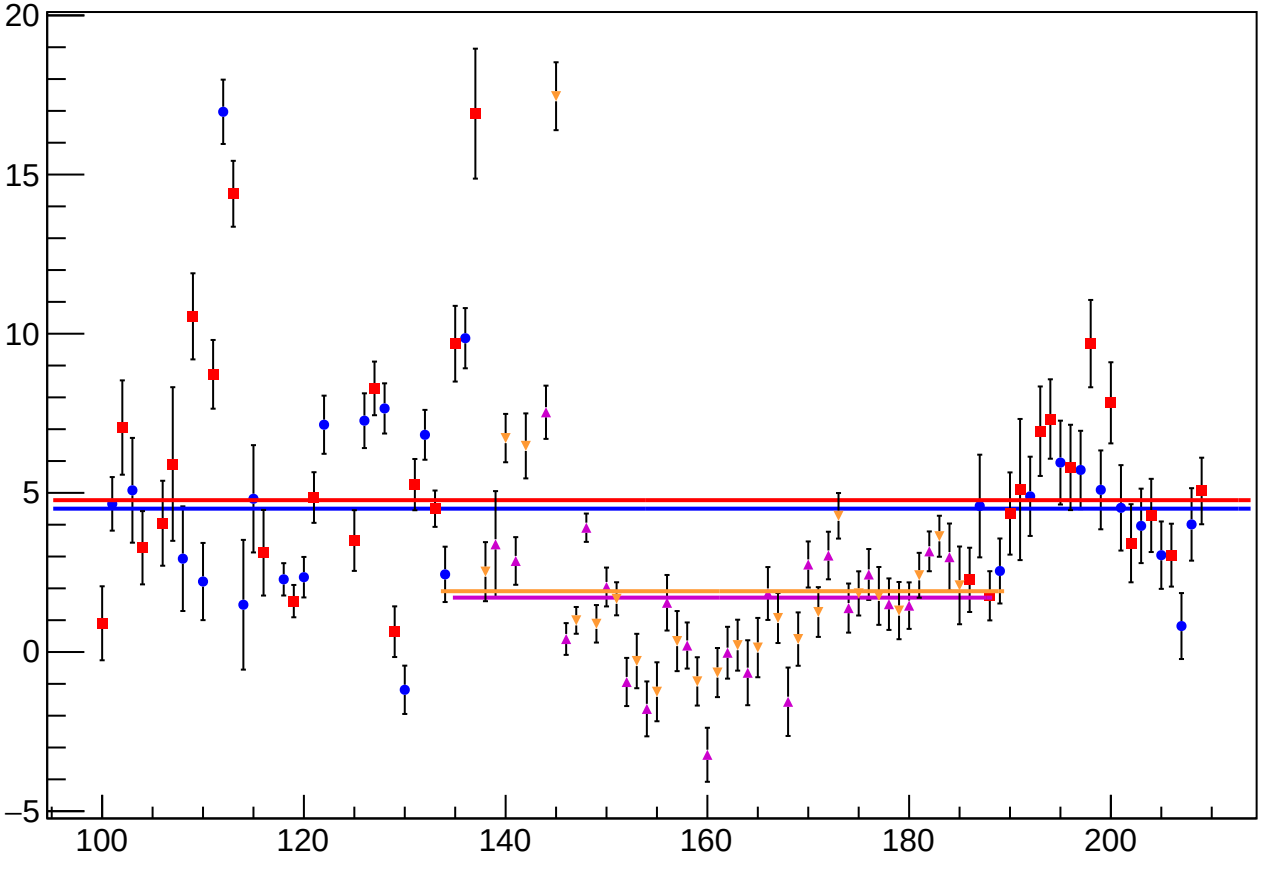
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -34.843+/-0.130 χ^2/NDF: 3025.8/50

All: -34.506+/-0.090 χ^2/NDF: 7338.6/104

\- sign -34.189+/-0.126 χ^2/NDF: 4299.7/53

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.503+/-0.187 χ^2/NDF: 348.1/26

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.771+/-0.182 χ^2/NDF: 325.1/30

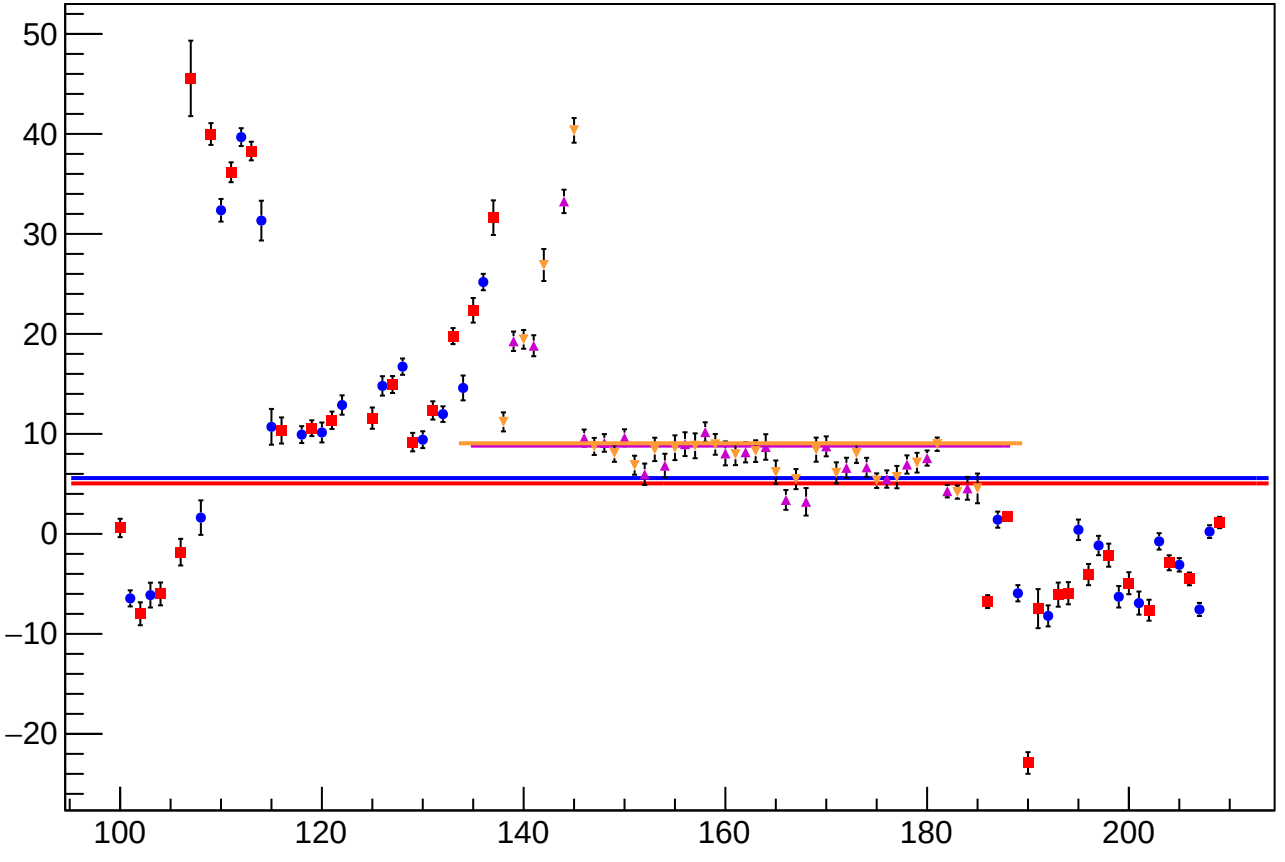
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.943+/-0.118 χ^2/NDF: 822.6/50

All: 2.972+/-0.083 χ^2/NDF: 1495.0/104

- sign 3.000+/-0.118 χ^2/NDF: 672.2/53

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 5.582+/-0.176 χ^2/NDF: 5011.4/26

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 5.047+/-0.163 χ^2/NDF: 6837.3/30

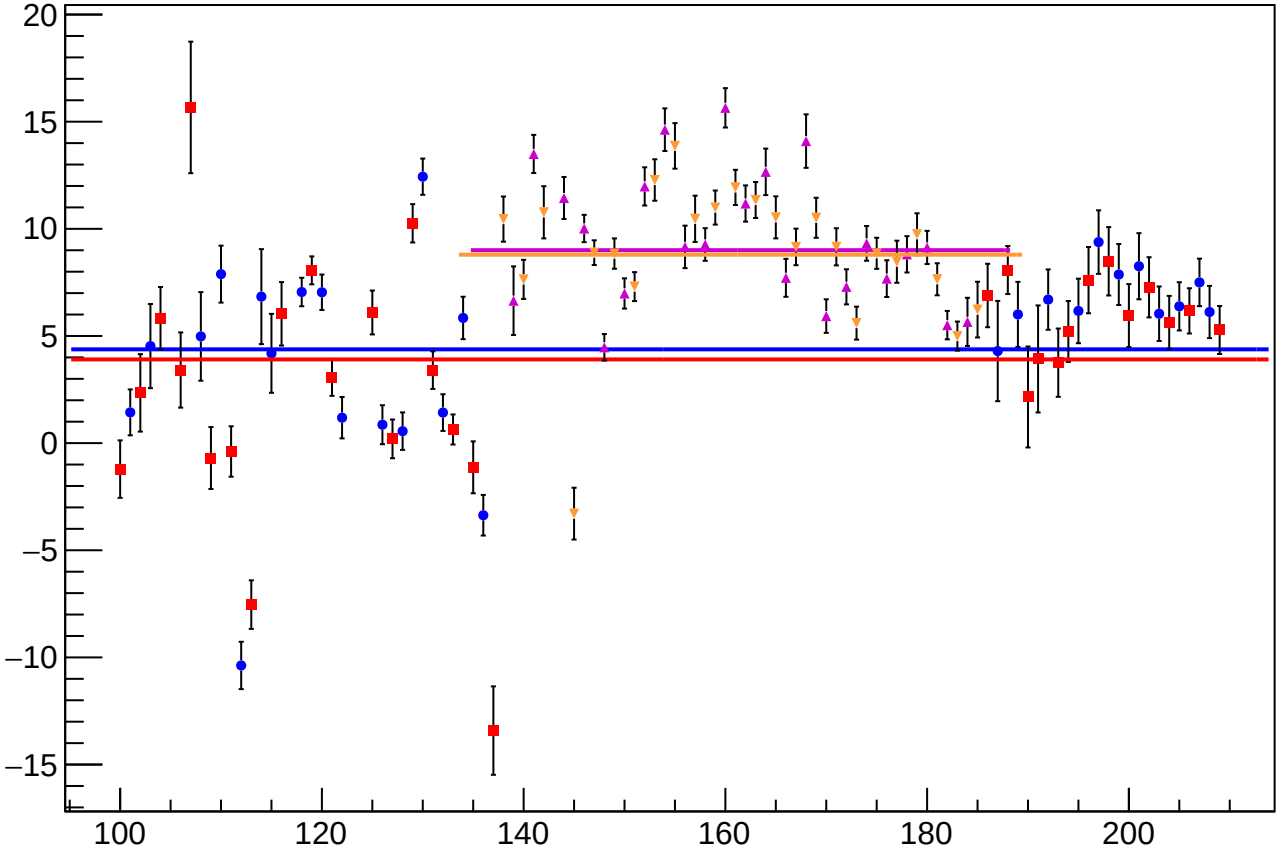
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 7.090+/-0.132 χ^2/NDF: 6214.9/50

All: 6.799+/-0.091 χ^2/NDF: 14075.5/104

- sign 6.533+/-0.127 χ^2/NDF: 7851.4/53

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.376+/-0.217 χ^2/NDF: 481.7/26

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.906+/-0.212 χ^2/NDF: 431.7/30

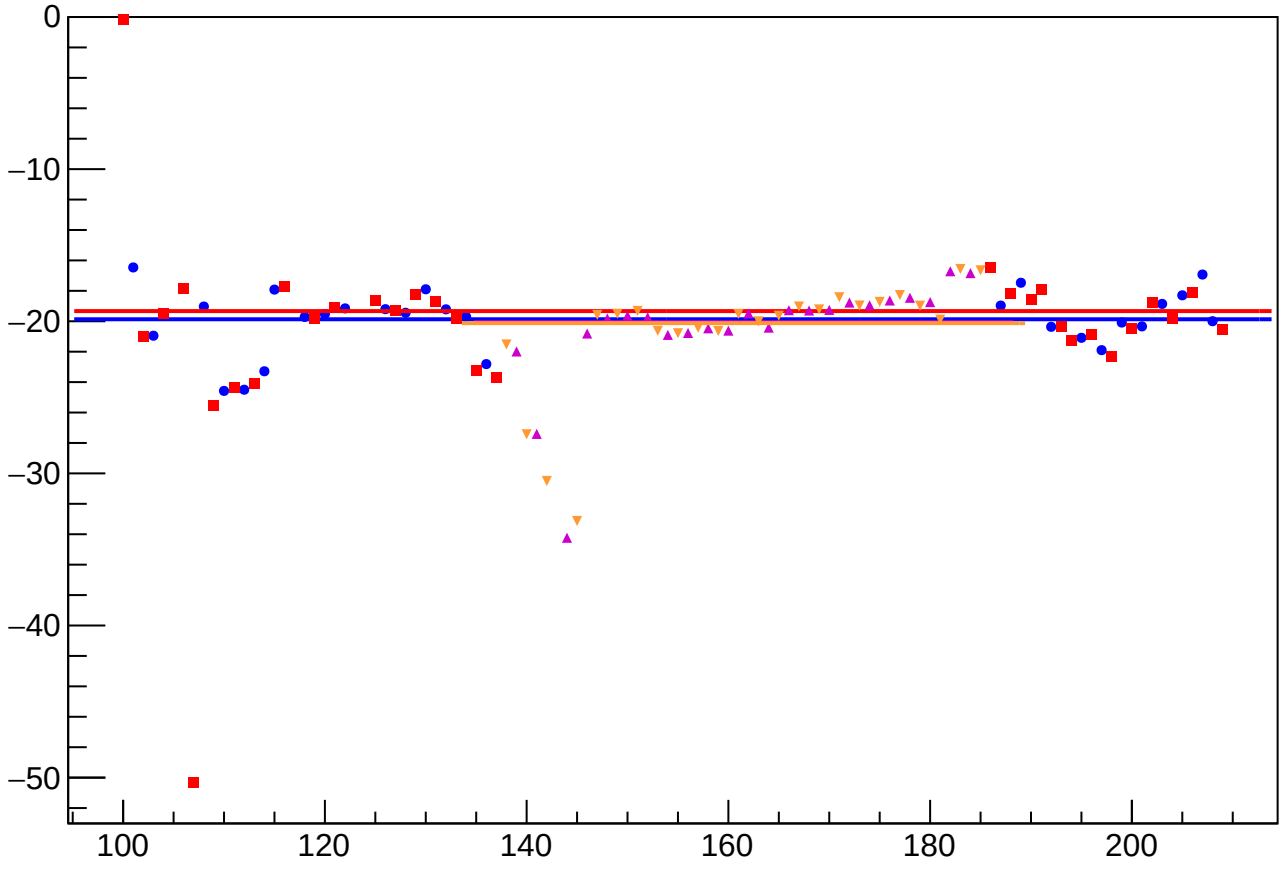
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.063+/-0.136 χ^2/NDF: 978.6/50

All: 6.995+/-0.096 χ^2/NDF: 2042.2/104

- sign 6.927+/-0.135 χ^2/NDF: 1063.1/53

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.869+/-0.011 χ^2/NDF: 31018.6/26

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.331+/-0.010 χ^2/NDF: 248068.0/30

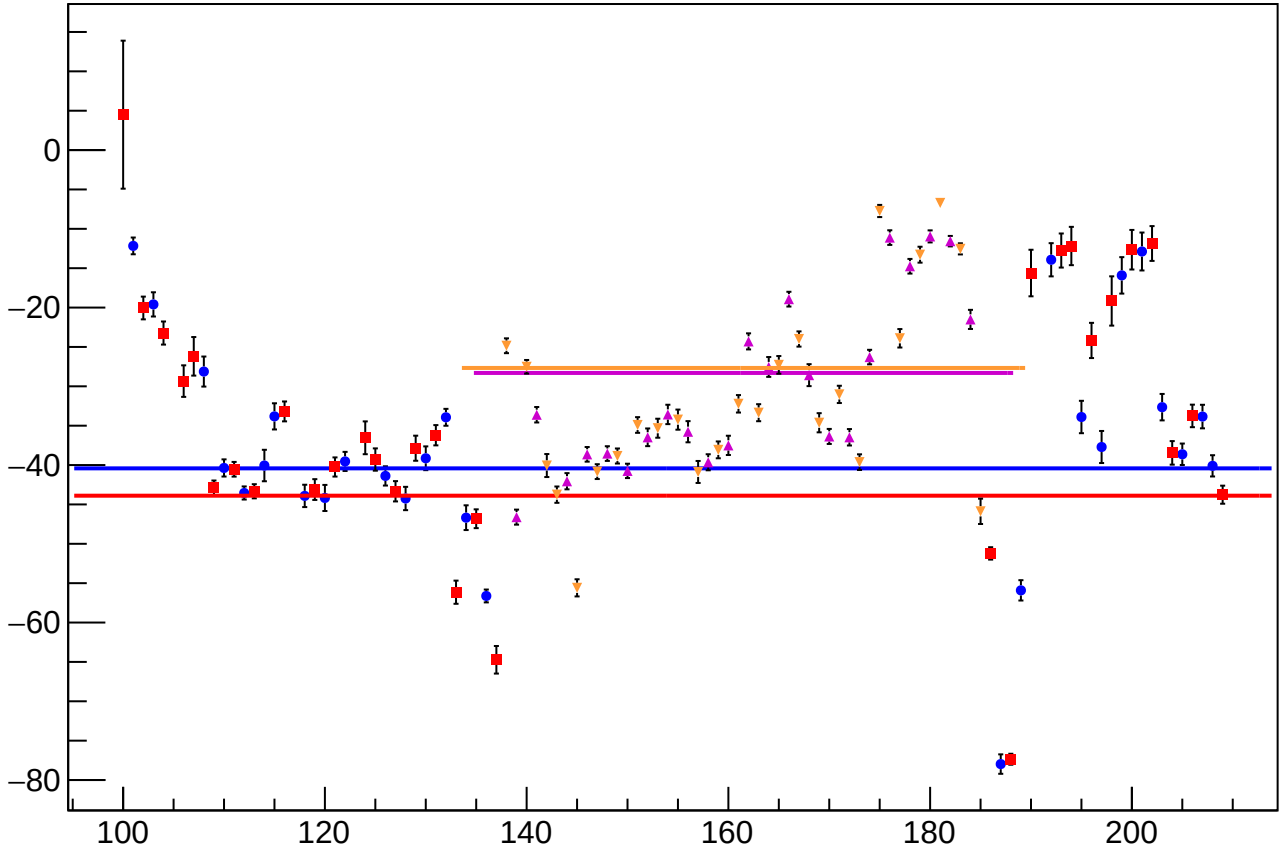
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.034+/-0.006 χ^2/NDF: 189956.7/50

All: -19.911+/-0.004 χ^2/NDF: 574599.0/104

- sign -19.793+/-0.006 χ^2/NDF: 383918.0/53

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.420+/-0.262 χ^2/NDF: 2950.1/26

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.890+/-0.241 χ^2/NDF: 4425.4/30

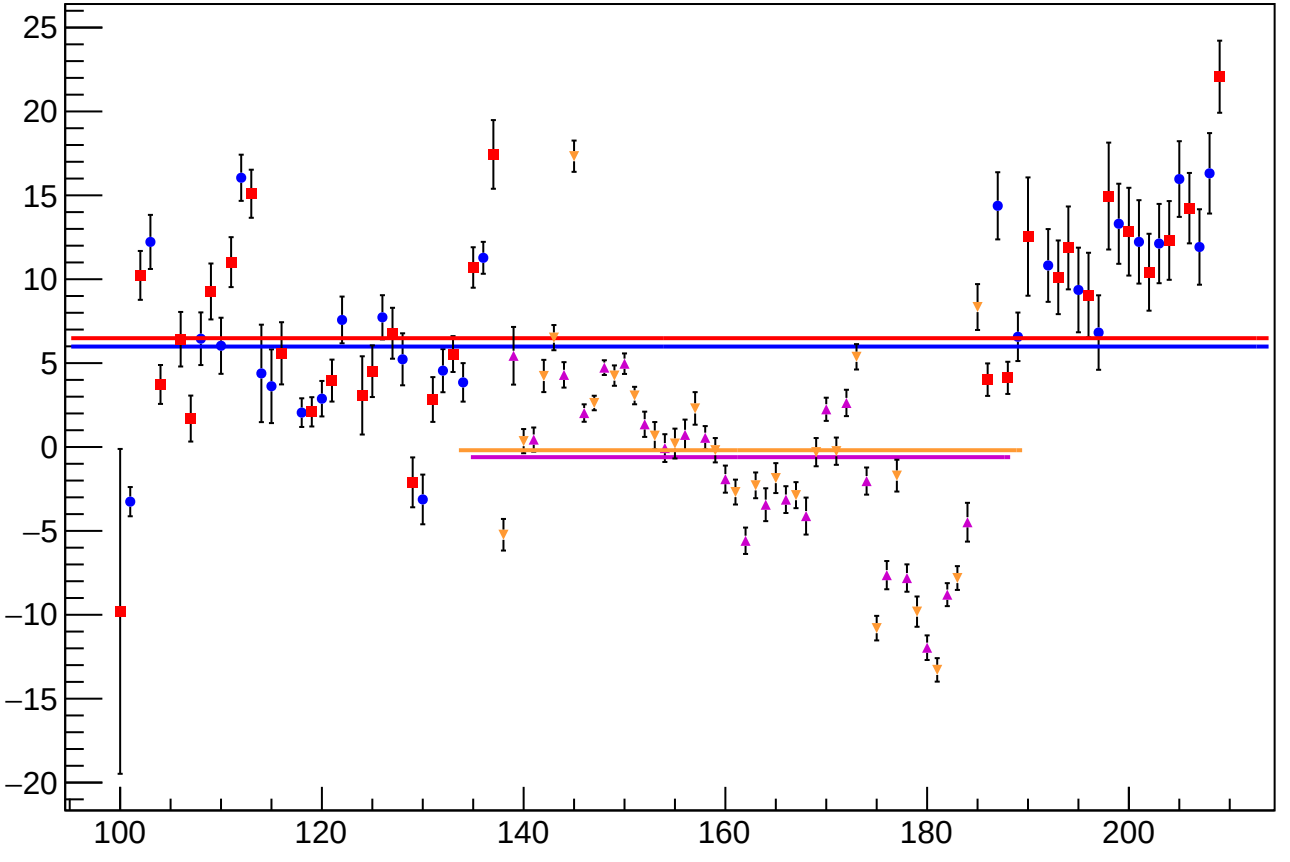
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.377+/-0.159 χ^2/NDF: 8841.3/51

All: -33.638+/-0.112 χ^2/NDF: 19077.5/105

\- sign -34.859+/-0.157 χ^2/NDF: 10112.7/53

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.987+/-0.284 χ^2/NDF: 381.4/26

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.486+/-0.274 χ^2/NDF: 303.8/30

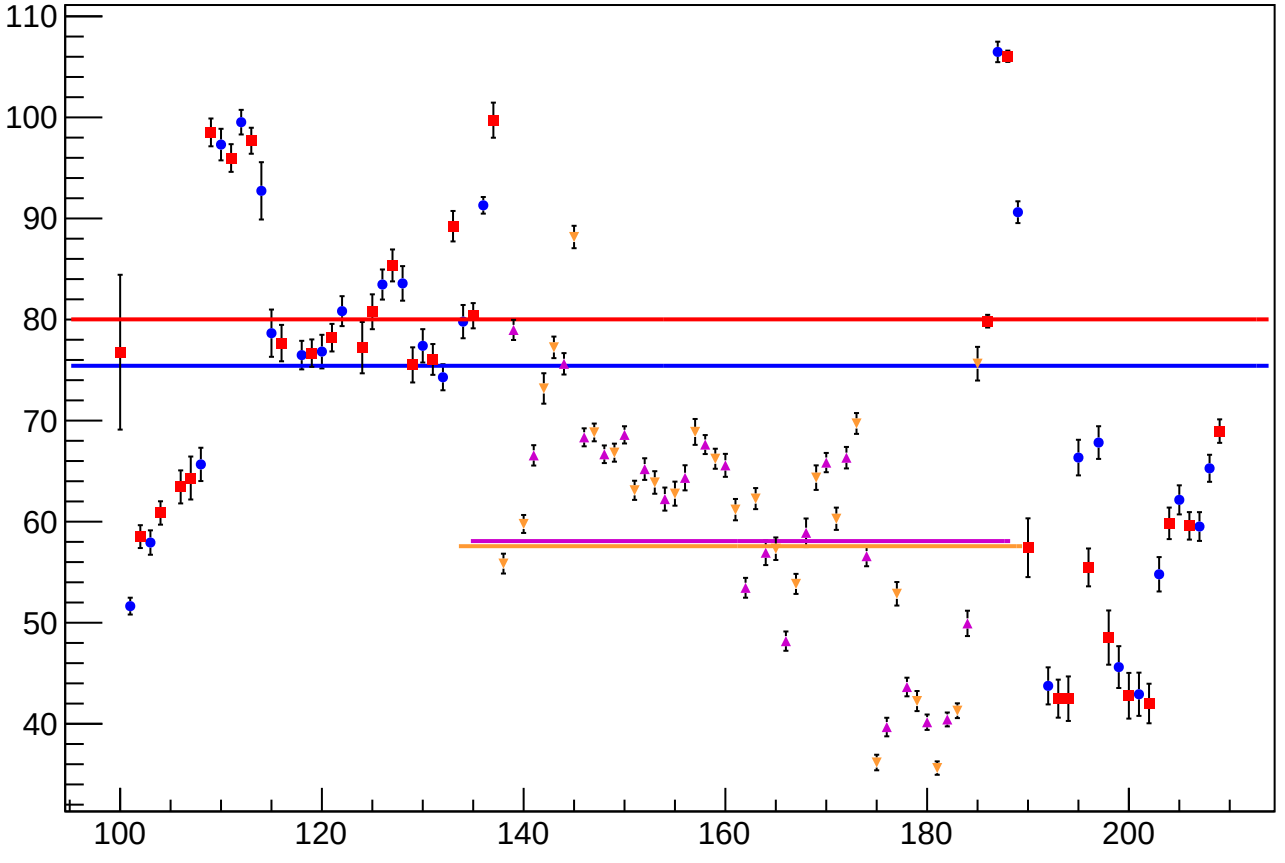
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.158+/-0.133 χ^2/NDF: 2296.9/51

All: 1.139+/-0.095 χ^2/NDF: 4083.5/105

- sign 1.120+/-0.135 χ^2/NDF: 1786.5/53

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 75.423+/-0.267 χ^2/NDF: 4472.1/26

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 80.017+/-0.241 χ^2/NDF: 5862.3/30

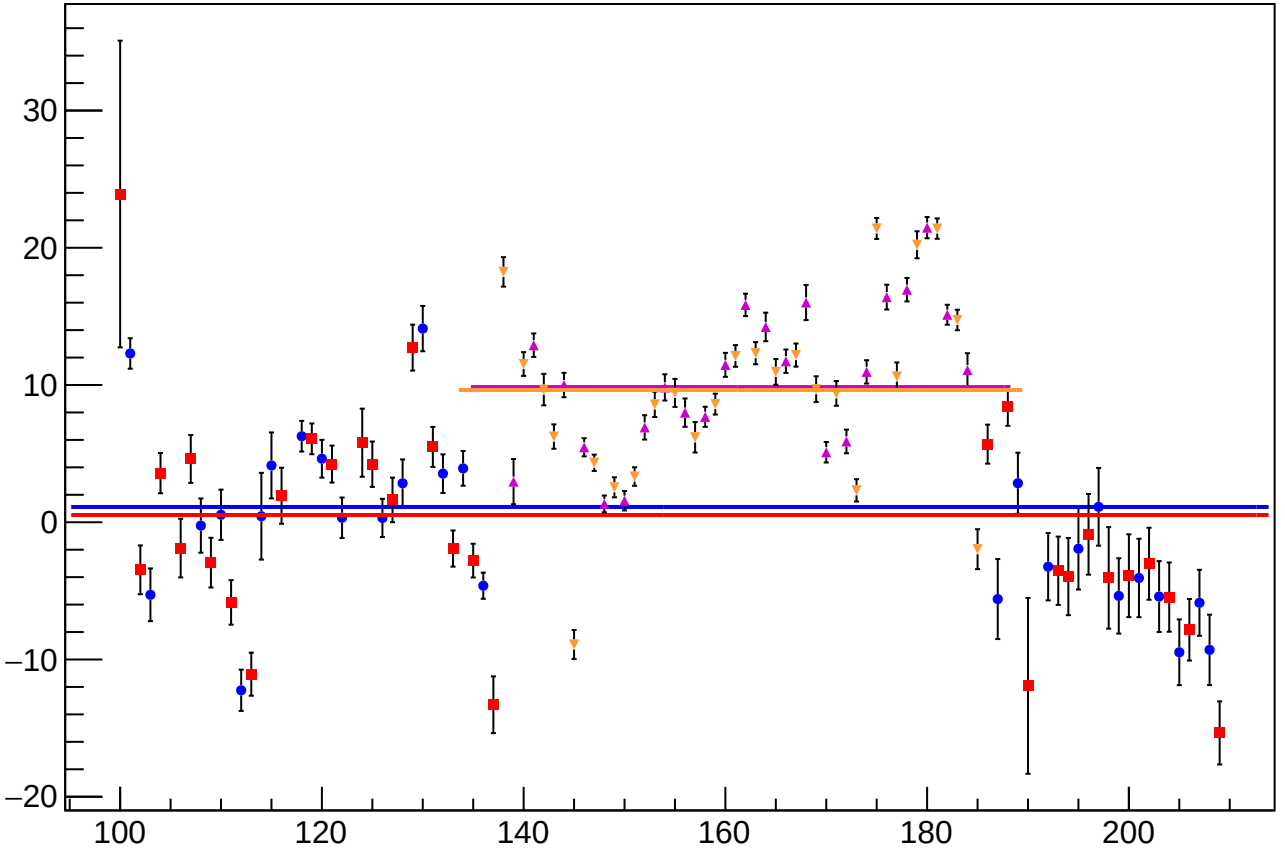
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 63.933+/-0.160 χ^2/NDF: 12025.0/51

All: 65.608+/-0.111 χ^2/NDF: 26492.6/105

- sign 67.198+/-0.156 χ^2/NDF: 14252.9/53

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.113+/-0.329 χ^2/NDF: 399.1/26

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.528+/-0.324 χ^2/NDF: 382.2/30

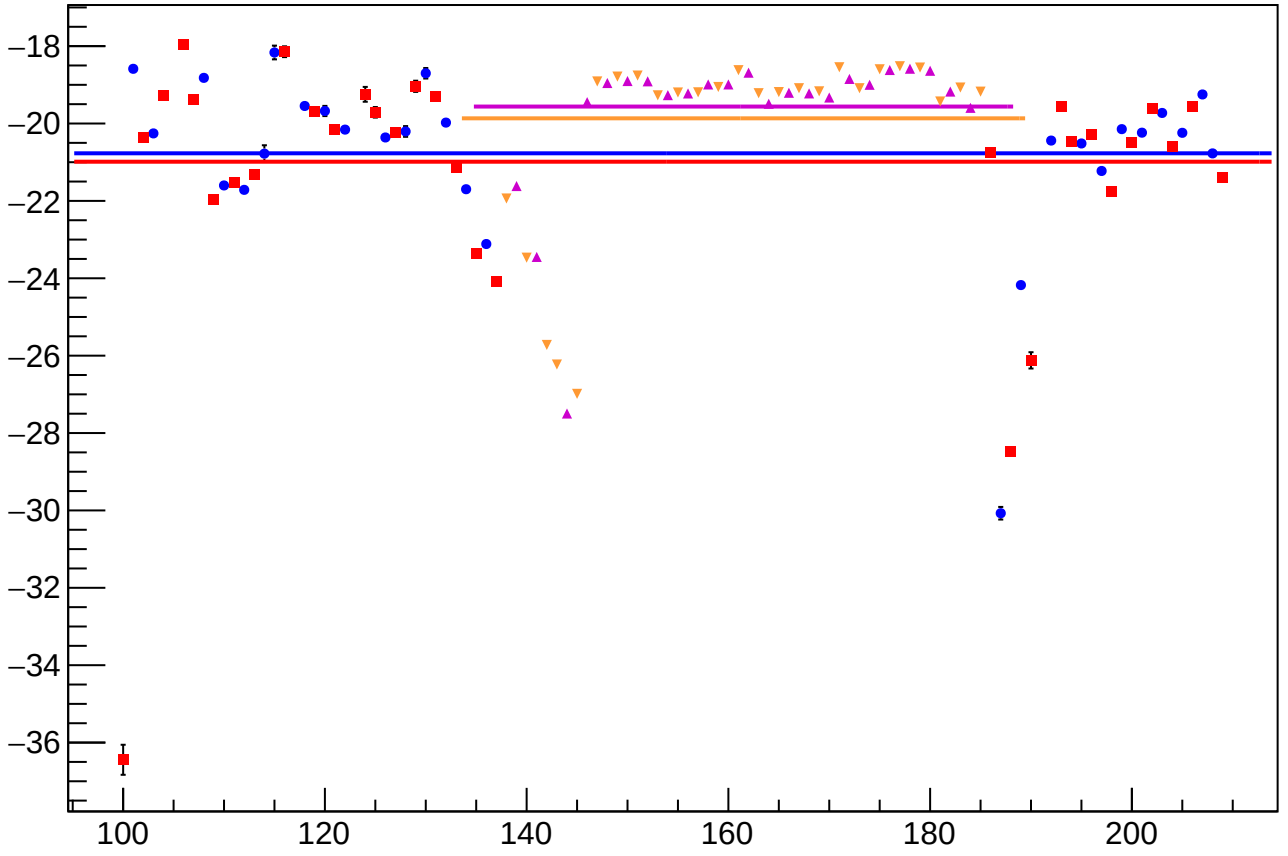
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.820+/-0.152 χ^2/NDF: 2417.4/51

All: 7.773+/-0.109 χ^2/NDF: 4430.0/105

- sign 7.724+/-0.155 χ^2/NDF: 2012.4/53

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.770+/-0.016 χ^2/NDF: 12534.7/26

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.987+/-0.016 χ^2/NDF: 20685.1/30

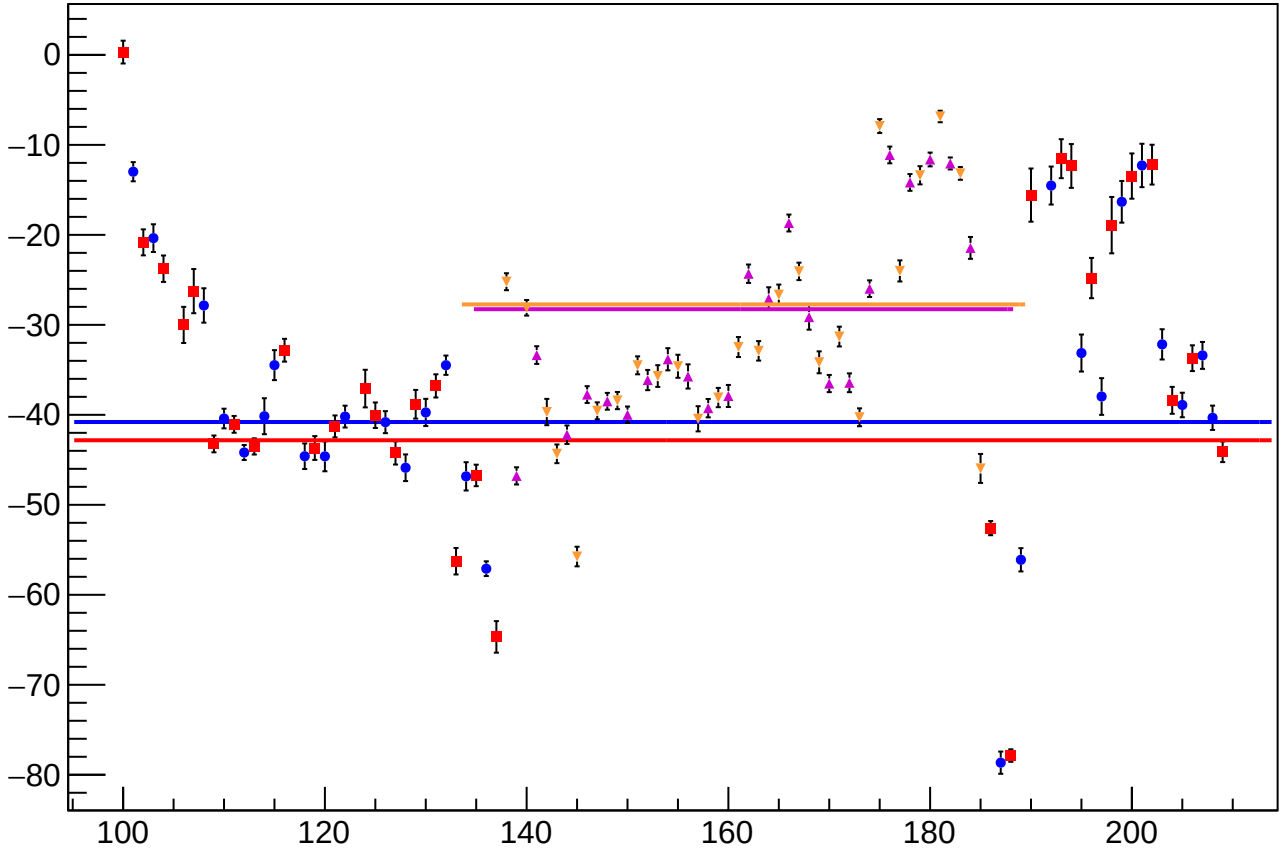
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.041+/-0.007 χ^2/NDF: 93987.1/51

All: -19.943+/-0.005 χ^2/NDF: 166557.4/105

- sign -19.842+/-0.007 χ^2/NDF: 72177.4/53

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.798+/-0.262 χ^2/NDF: 2958.7/26

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.826+/-0.238 χ^2/NDF: 5638.4/30

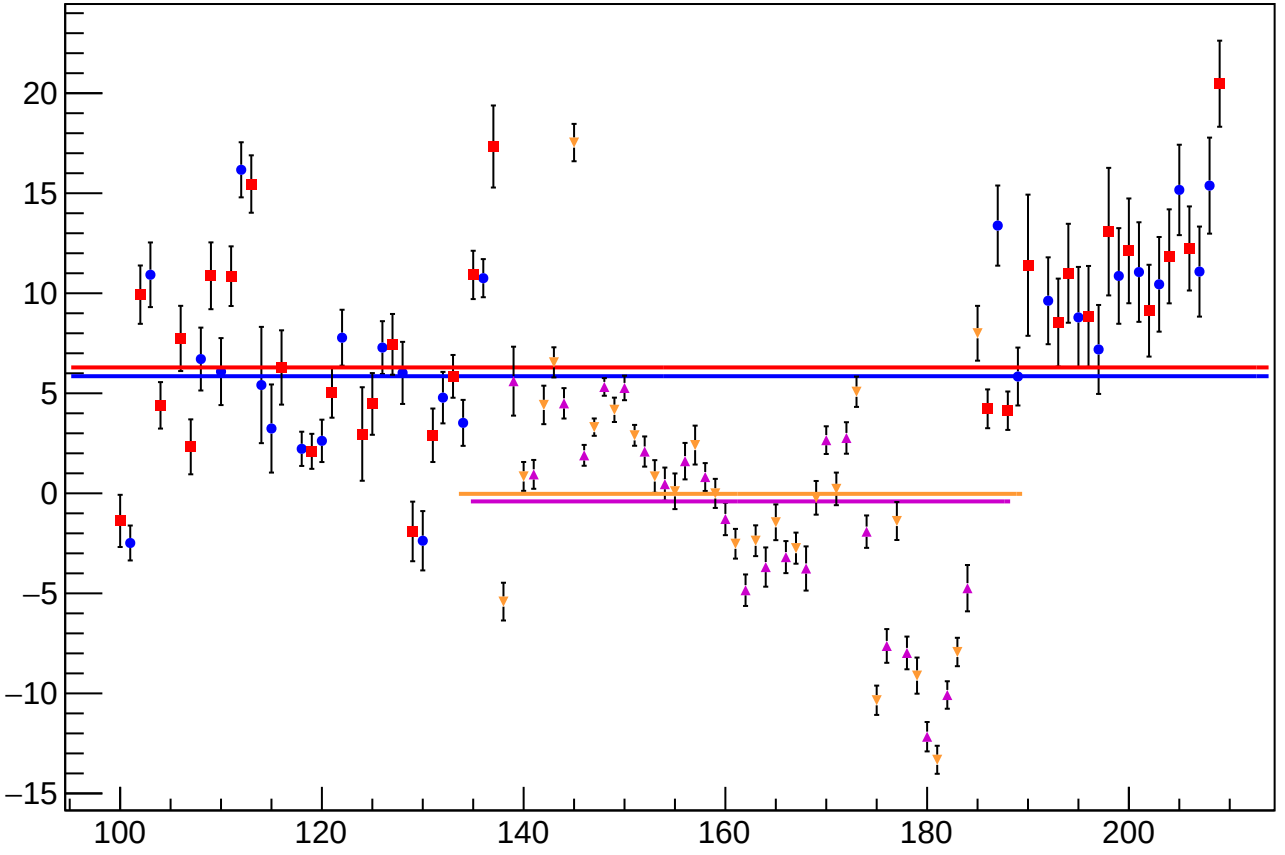
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.556+/-0.159 χ^2/NDF: 8823.6/51

All: -33.558+/-0.111 χ^2/NDF: 19855.3/105

- sign -34.515+/-0.156 χ^2/NDF: 10954.5/53

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.854+/-0.284 χ^2/NDF: 321.0/26

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.294+/-0.268 χ^2/NDF: 304.3/30

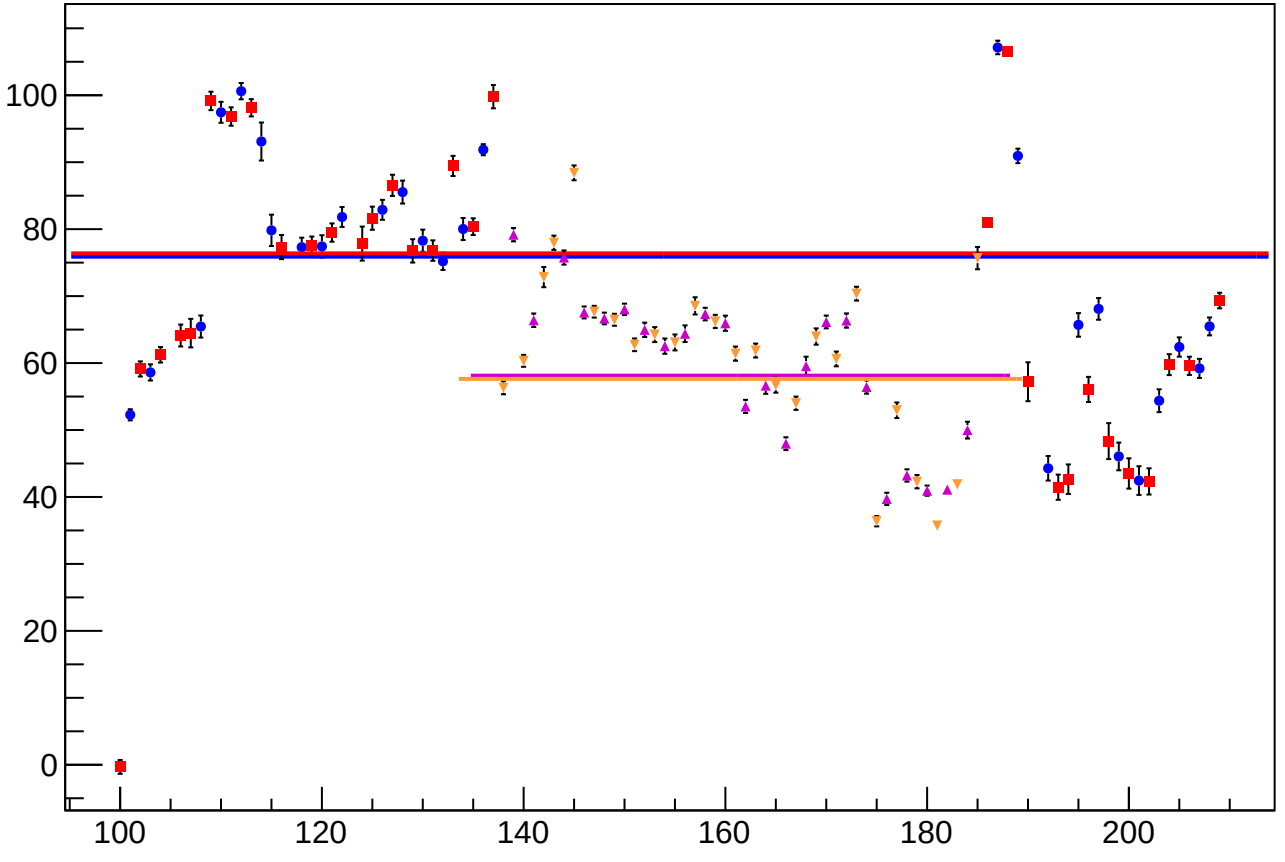
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.258+/-0.133 χ^2/NDF: 2187.0/51

All: 1.269+/-0.095 χ^2/NDF: 4042.0/105

- sign 1.279+/-0.135 χ^2/NDF: 1855.0/53

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 75.892+/-0.268 χ^2/NDF: 4533.9/26

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

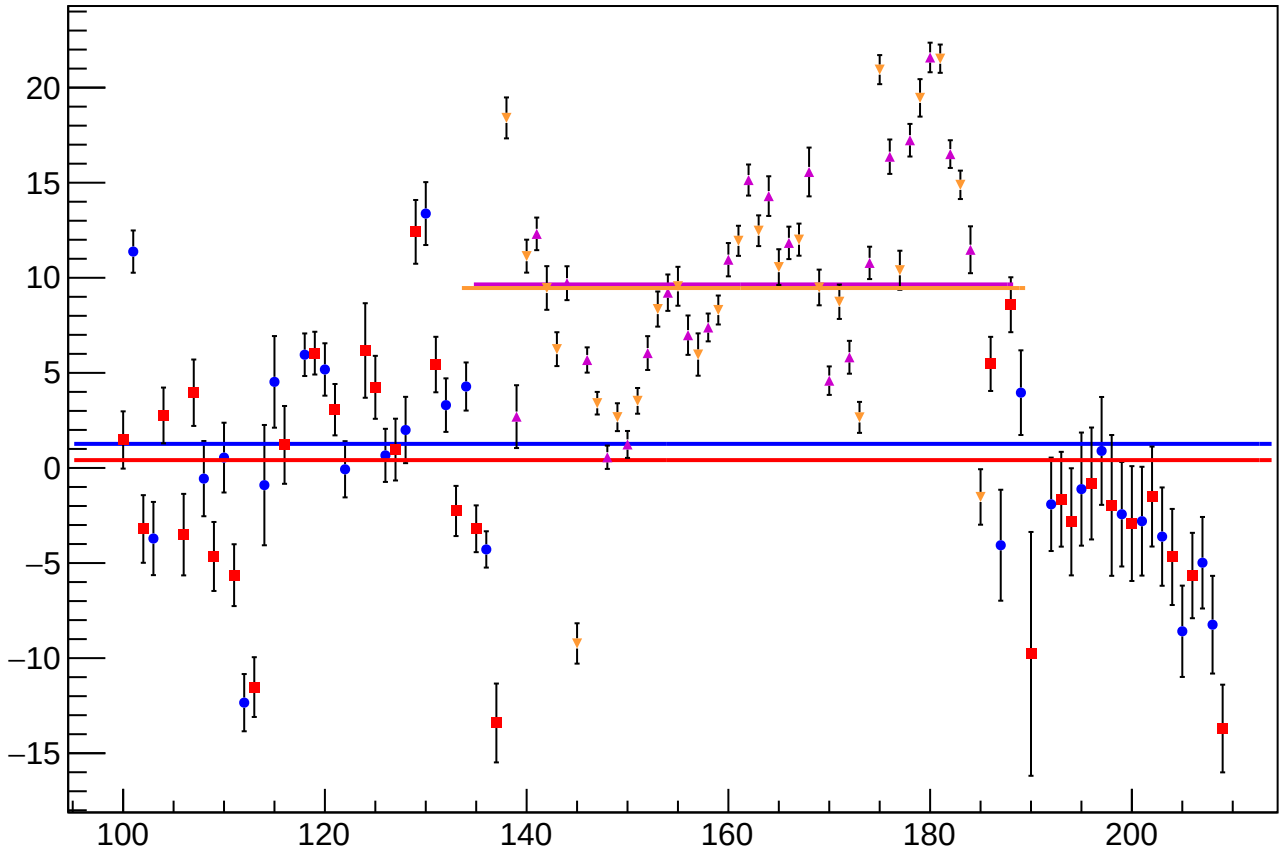
Right Out: 76.383+/-0.235 χ^2/NDF: 11721.9/30

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

\+ sign 64.142+/-0.160 χ^2/NDF: 12136.8/51

All: 65.078+/-0.111 χ^2/NDF: 30810.4/105

\- sign 65.947+/-0.154 χ^2/NDF: 18607.6/53



Right In: 1.267+/-0.330 χ^2/NDF: 348.3/26

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.413+/-0.318 χ^2/NDF: 354.5/30

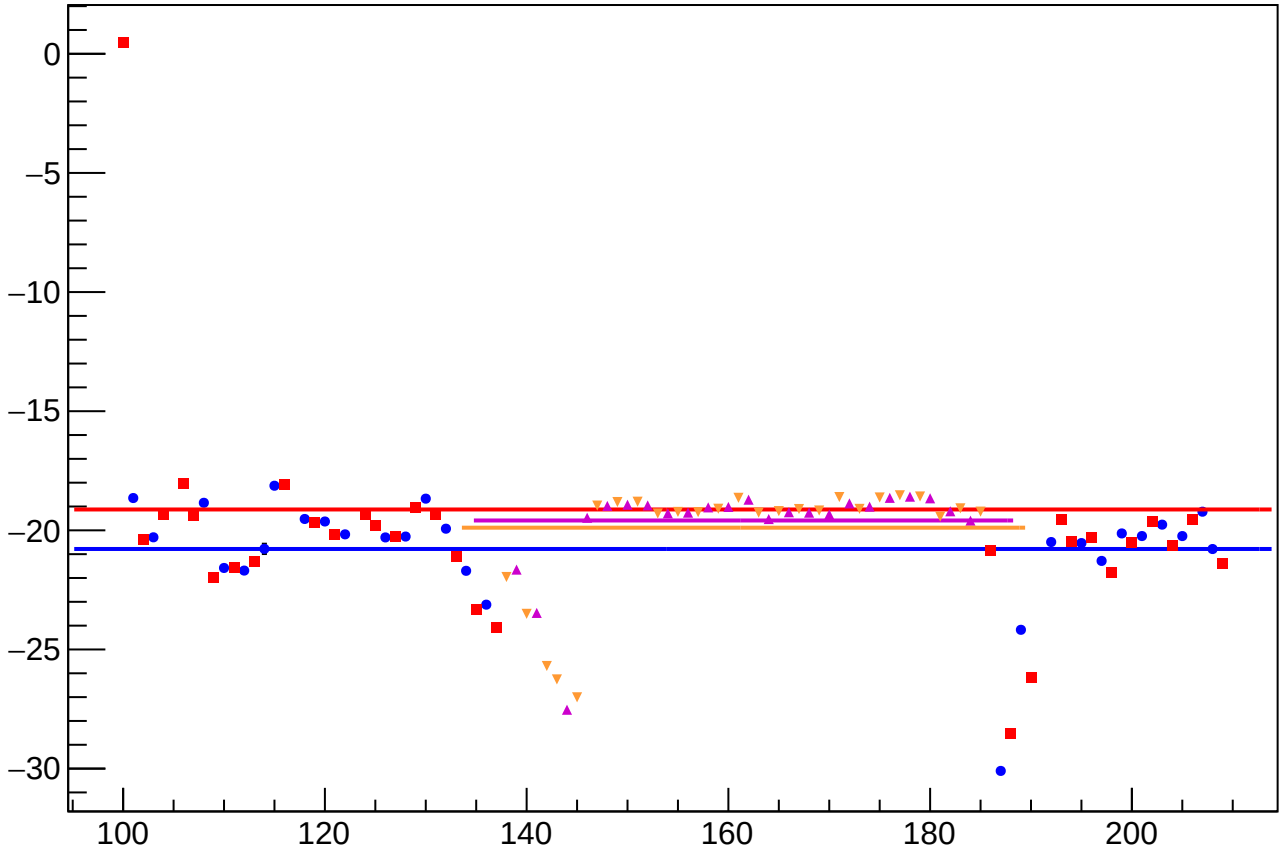
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.715+/-0.152 χ^2/NDF: 2317.0/51

All: 7.594+/-0.108 χ^2/NDF: 4397.0/105

- sign 7.470+/-0.154 χ^2/NDF: 2078.7/53

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.782+/-0.016 χ^2/NDF: 12424.2/26

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.125+/-0.015 χ^2/NDF: 172328.8/30

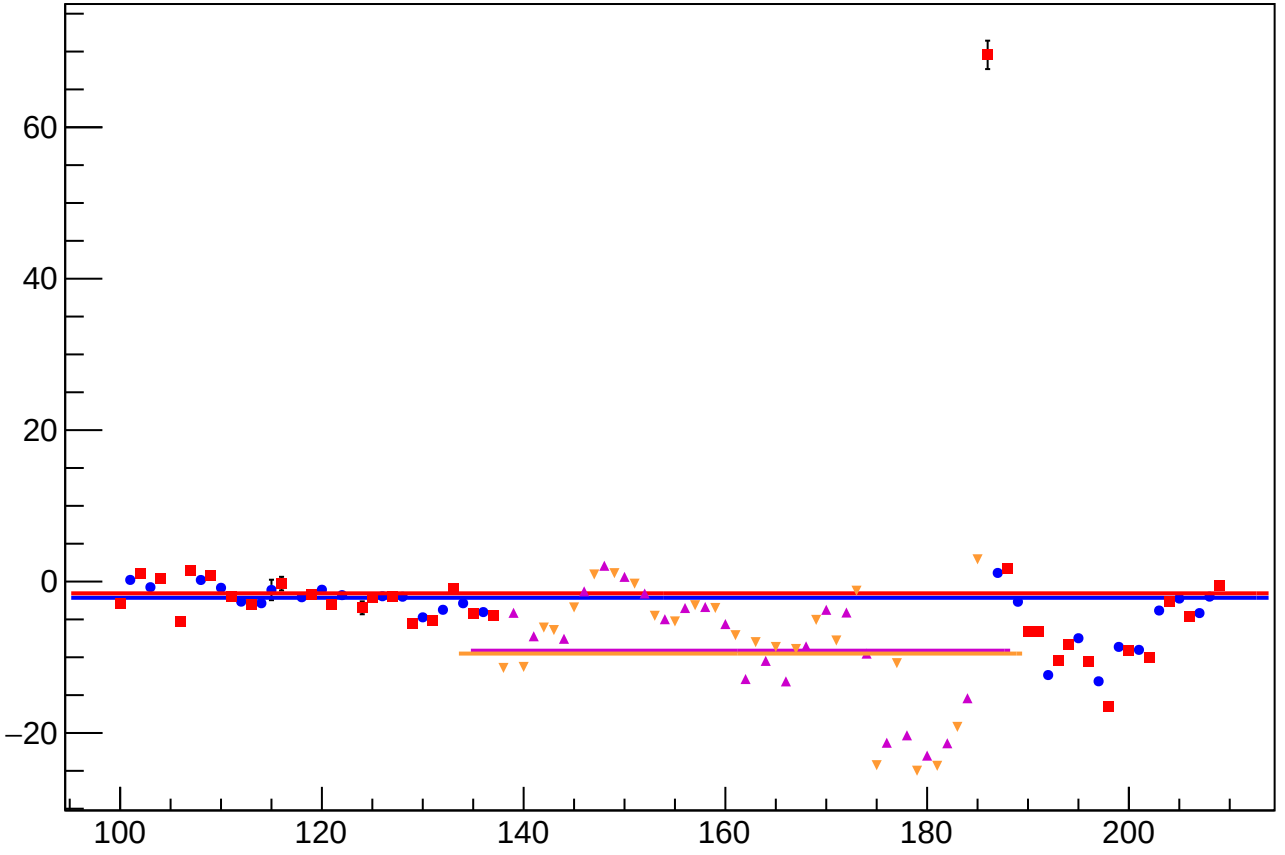
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.062+/-0.007 χ^2/NDF: 93430.2/51

All: -19.775+/-0.005 χ^2/NDF: 314834.9/105

- sign -19.489+/-0.007 χ^2/NDF: 218123.6/53

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.142+/-0.049 χ^2/NDF: 3344.8/26

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

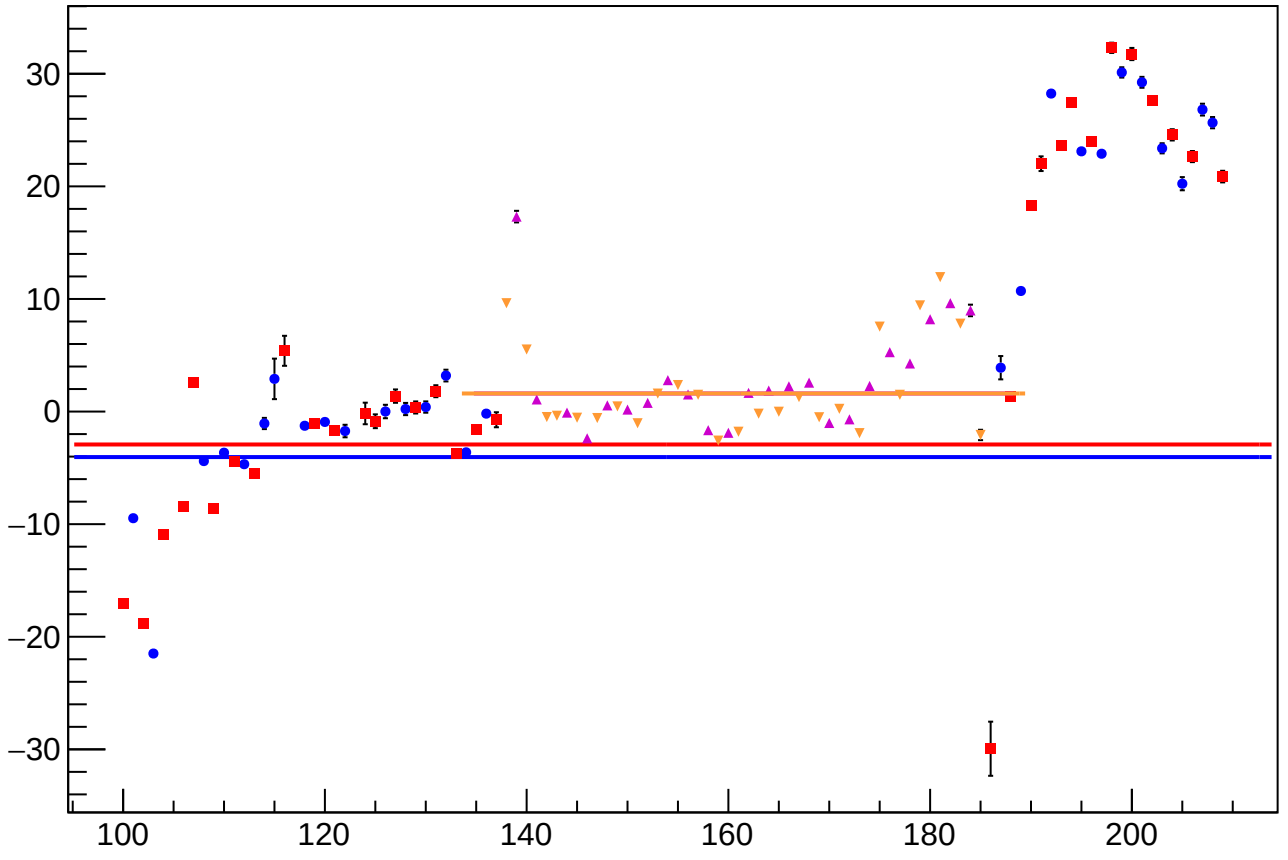
Right Out: -1.554+/-0.045 χ^2/NDF: 6962.1/31

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.450+/-0.041 χ^2/NDF: 23331.3/51

All: -3.989+/-0.028 χ^2/NDF: 48462.1/106

- sign -3.573+/-0.039 χ^2/NDF: 24885.5/54



Right In: -4.042+/-0.053 χ^2/NDF: 61272.8/26

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.923+/-0.052 χ^2/NDF: 65401.3/31

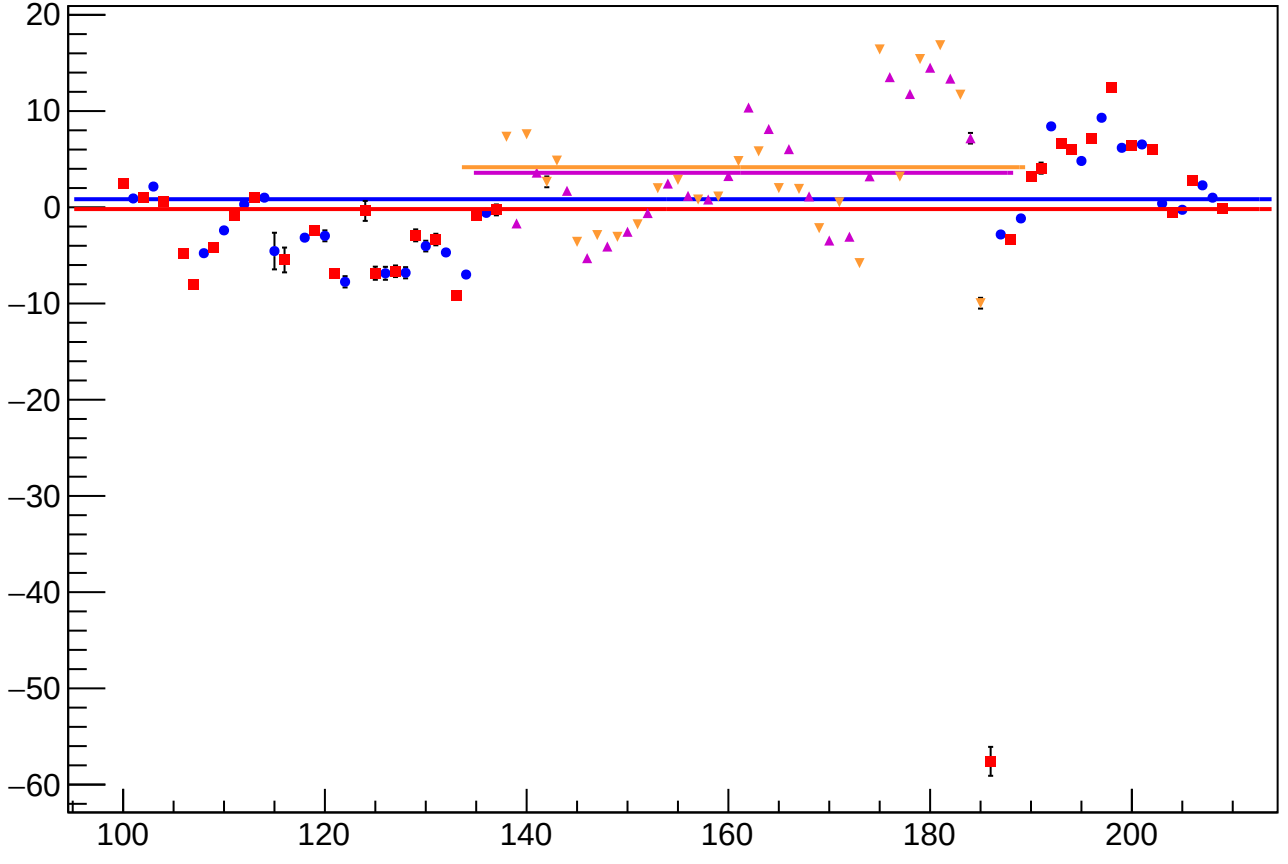
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

\+ sign -1.348+/-0.038 χ^2/NDF: 71430.4/51

All: -1.124+/-0.027 χ^2/NDF: 143960.6/106

\- sign -0.895+/-0.039 χ^2/NDF: 72460.2/54

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.841+/-0.047 χ^2/NDF: 4173.0/26

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.186+/-0.045 χ^2/NDF: 8208.4/31

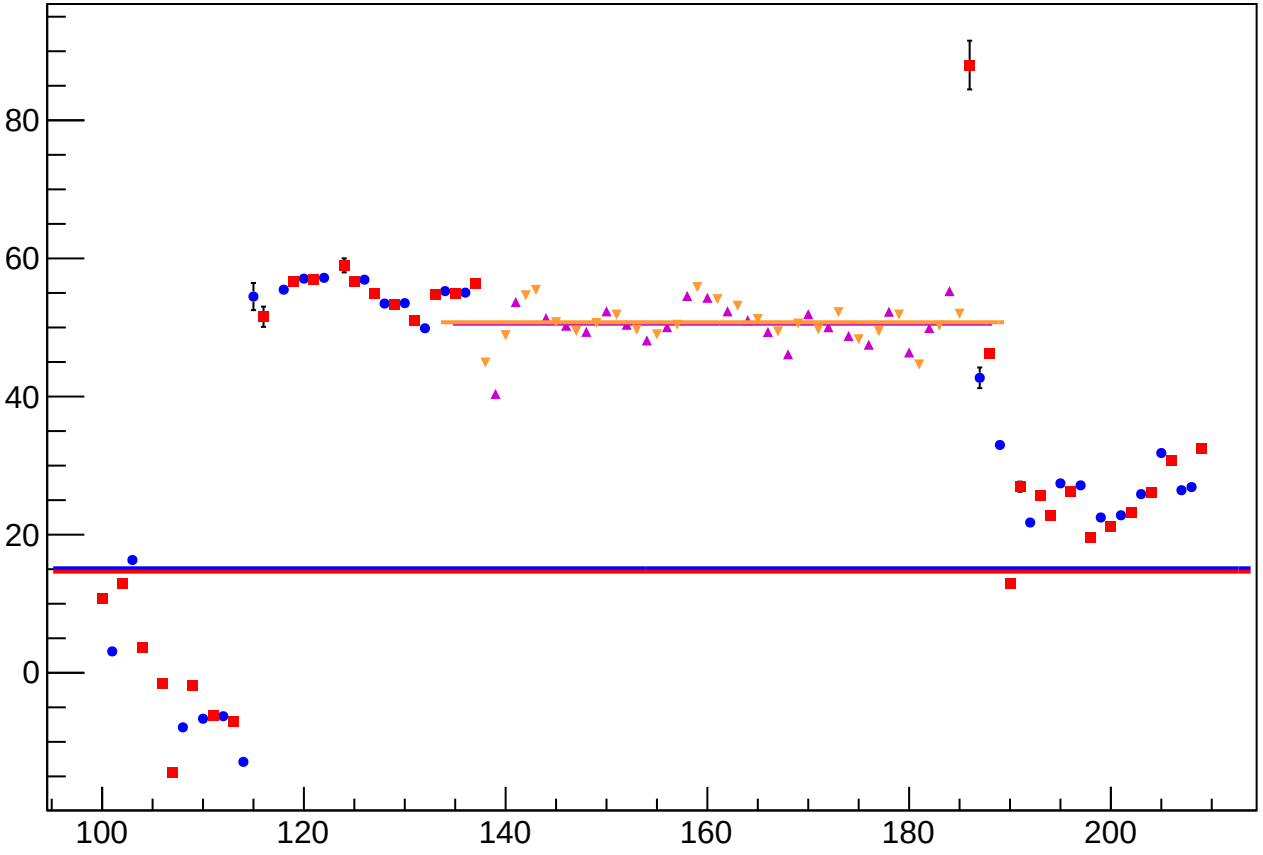
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.837+/-0.039 χ^2/NDF: 14909.9/51

All: 1.333+/-0.028 χ^2/NDF: 32553.0/106

- sign 0.848+/-0.039 χ^2/NDF: 17322.8/54

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.129+/-0.063 χ^2/NDF: 114816.3/26

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.651+/-0.062 χ^2/NDF: 131789.5/31

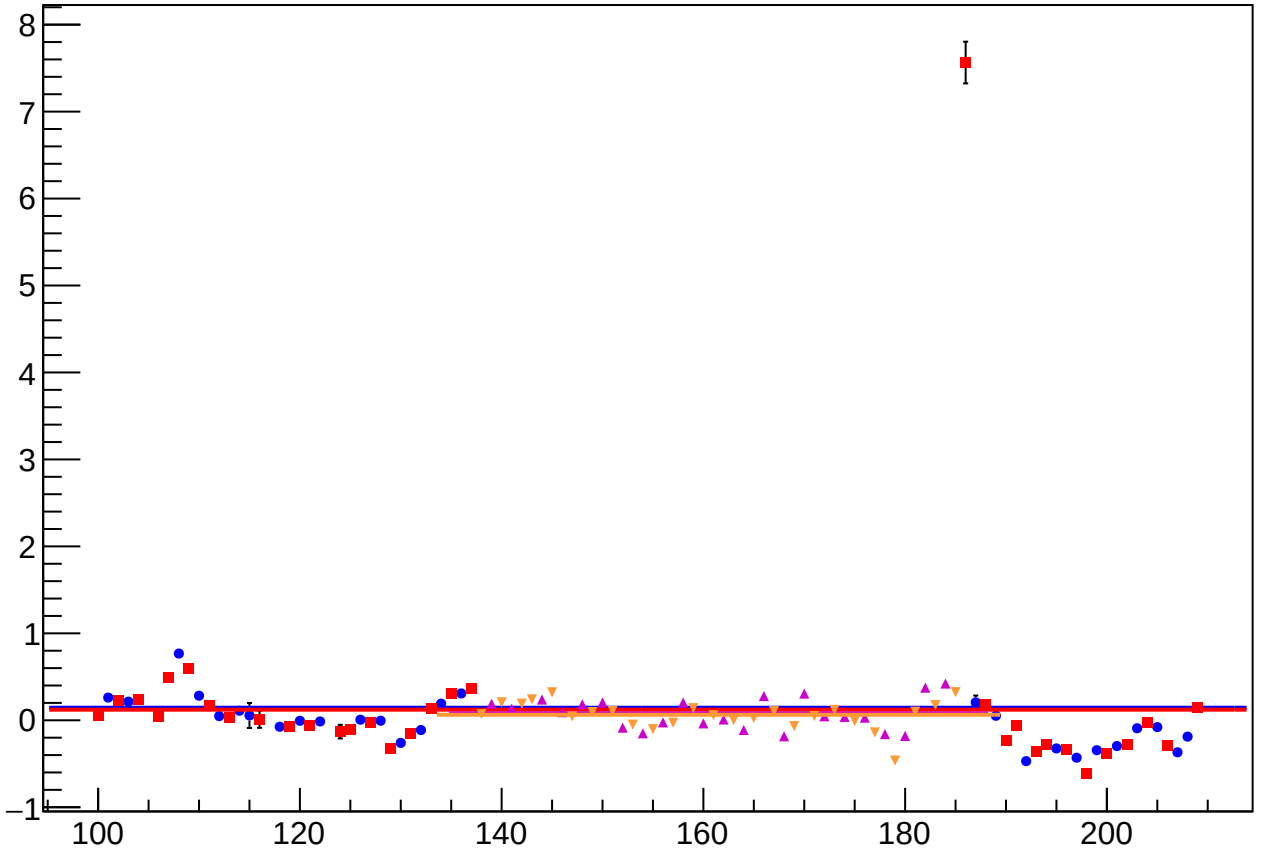
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.993+/-0.044 χ^2/NDF: 278960.6/51

All: 32.357+/-0.031 χ^2/NDF: 574125.7/106

- sign 31.708+/-0.045 χ^2/NDF: 294746.8/54

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.144+/-0.002 χ^2/NDF: 13497.1/26

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.122+/-0.002 χ^2/NDF: 12951.3/31

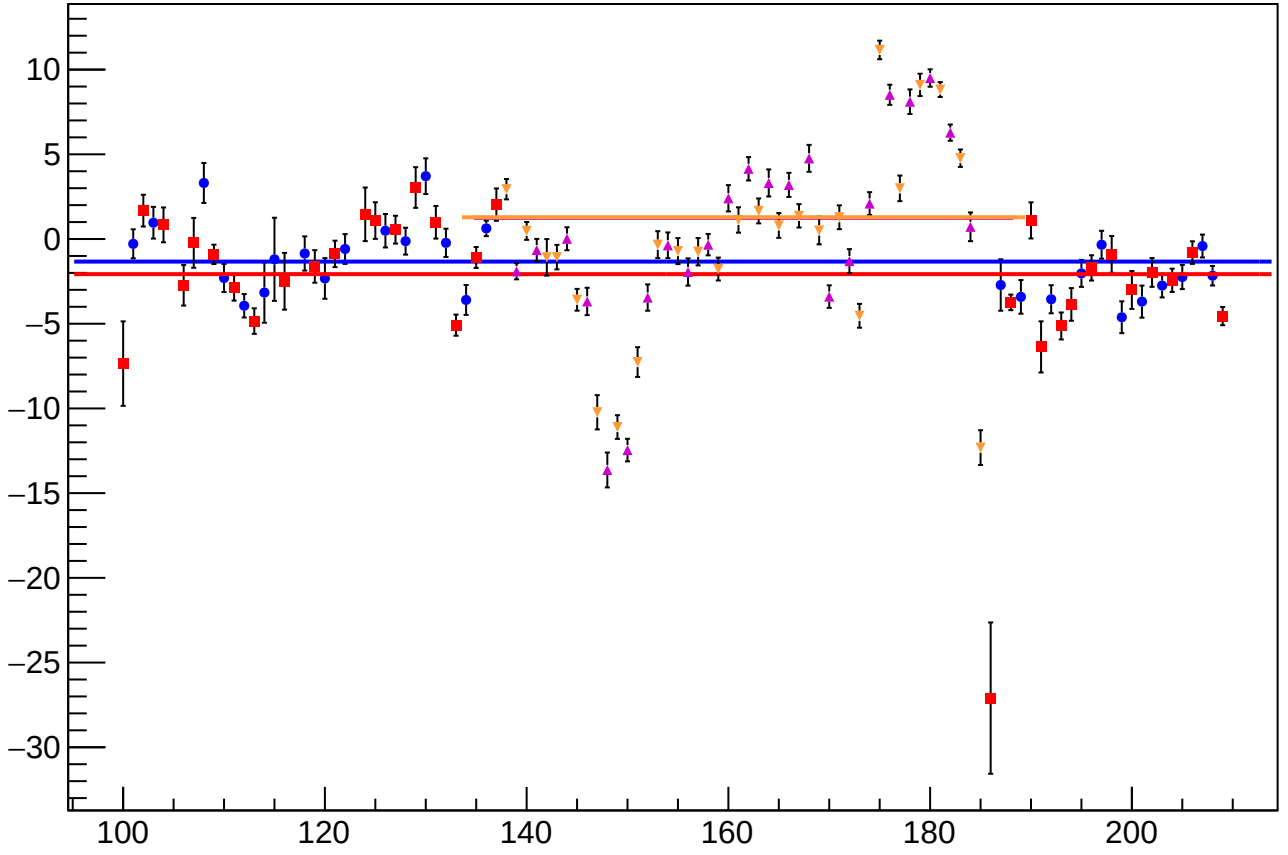
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.109+/-0.002 χ^2/NDF: 16536.4/51

All: 0.107+/-0.001 χ^2/NDF: 33068.0/106

- sign 0.104+/-0.002 χ^2/NDF: 16528.7/54

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.333+/-0.161 χ^2/NDF: 139.3/26

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -2.073+/-0.149 χ^2/NDF: 255.1/31

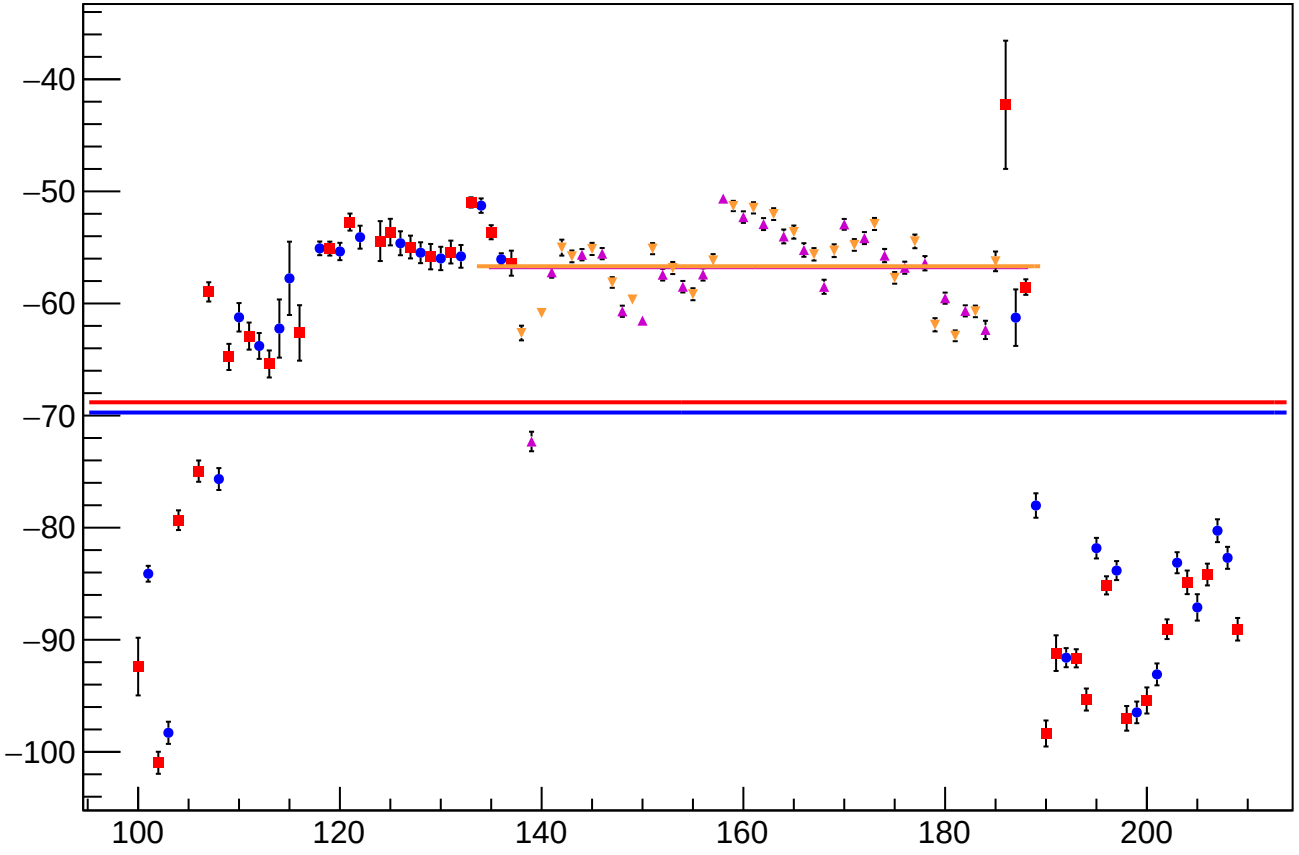
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.184+/-0.104 χ^2/NDF: 2008.1/51

All: -0.073+/-0.073 χ^2/NDF: 4051.2/106

- sign -0.320+/-0.102 χ^2/NDF: 2031.2/54

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.728+/-0.177 χ^2/NDF: 8029.7/26

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -68.816+/-0.165 χ^2/NDF: 11027.4/31

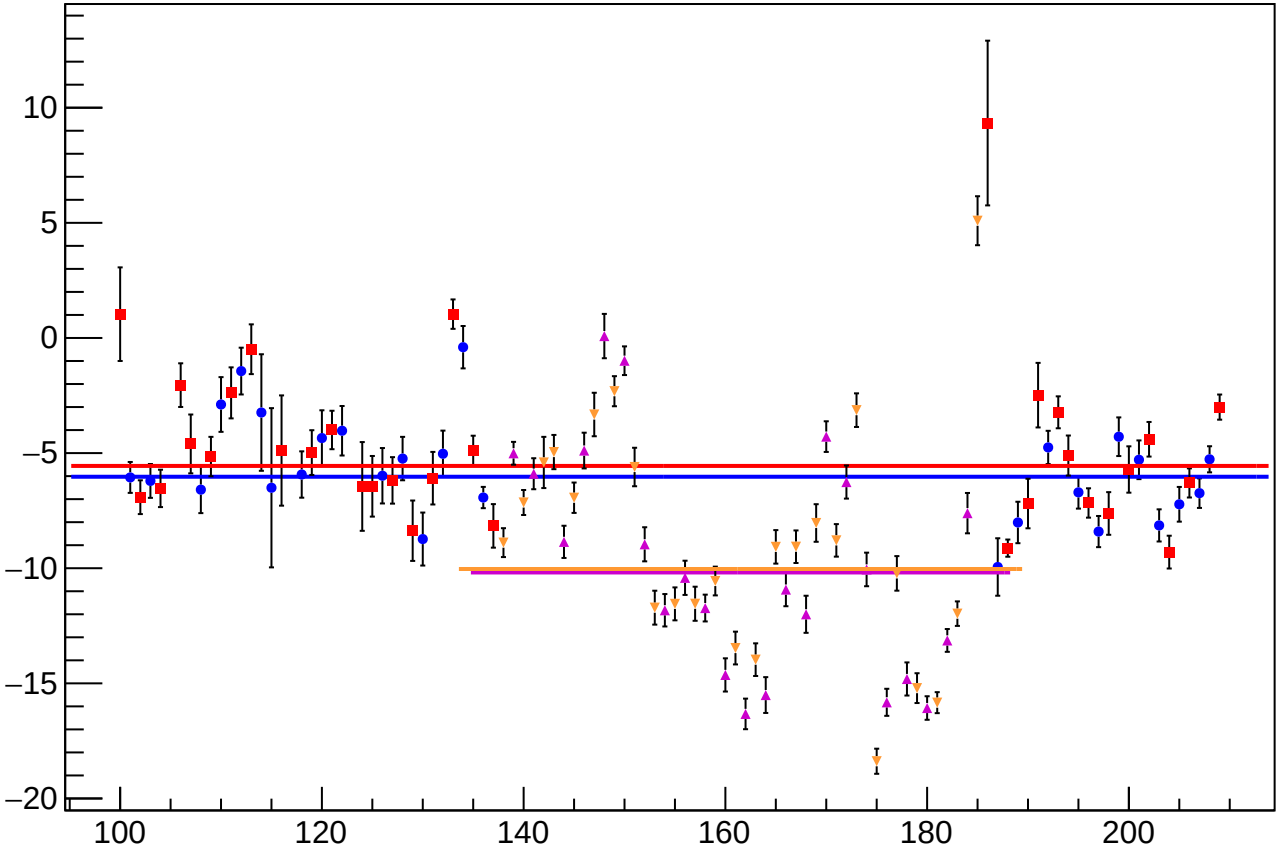
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.172+/-0.092 χ^2/NDF: 13007.7/51

All: -60.360+/-0.065 χ^2/NDF: 28793.9/106

- sign -60.553+/-0.093 χ^2/NDF: 15777.7/54

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.027+/-0.160 χ^2/NDF: 133.7/26

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.557+/-0.147 χ^2/NDF: 377.1/31

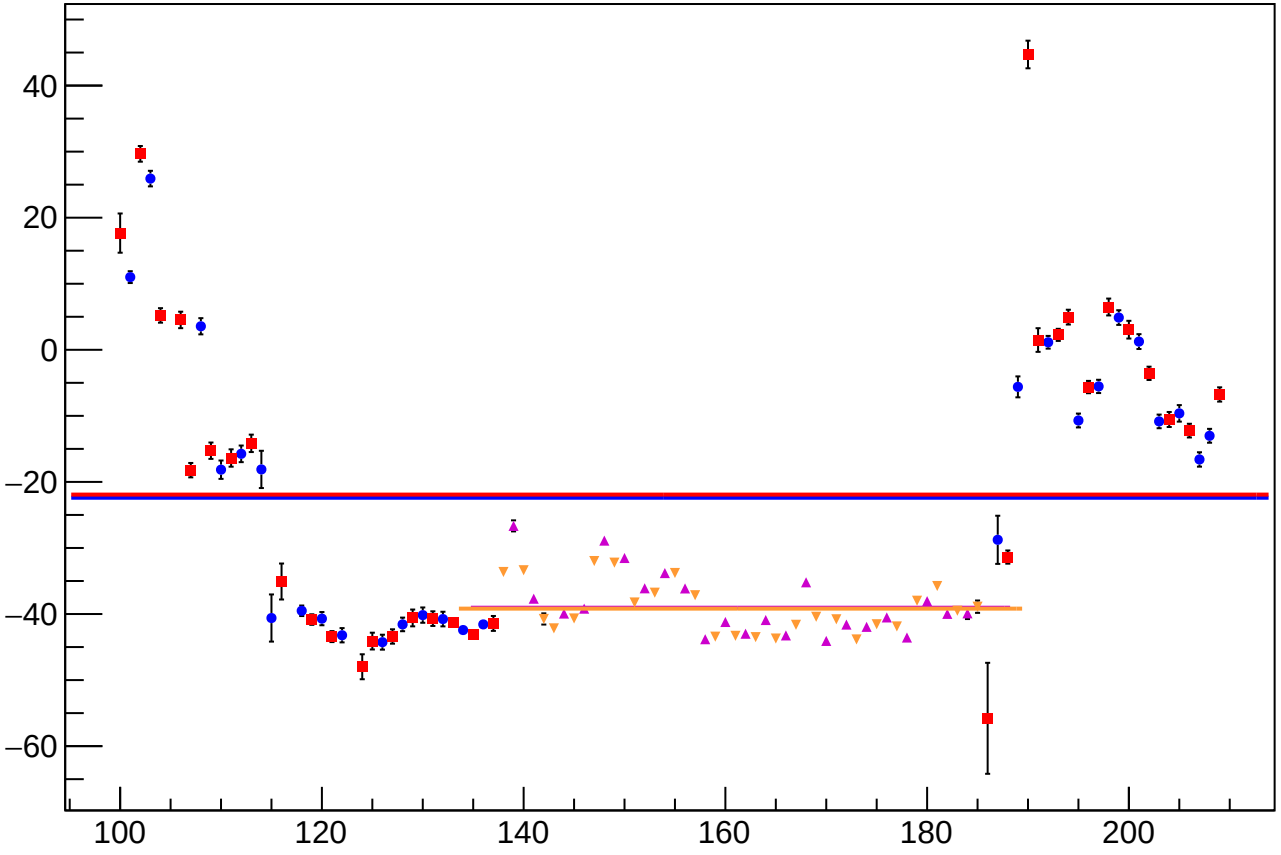
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.350+/-0.104 χ^2/NDF: 1679.8/51

All: -8.167+/-0.072 χ^2/NDF: 3729.0/106

- sign -7.994+/-0.101 χ^2/NDF: 2043.2/54

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.394+/-0.202 χ^2/NDF: 10520.9/26

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

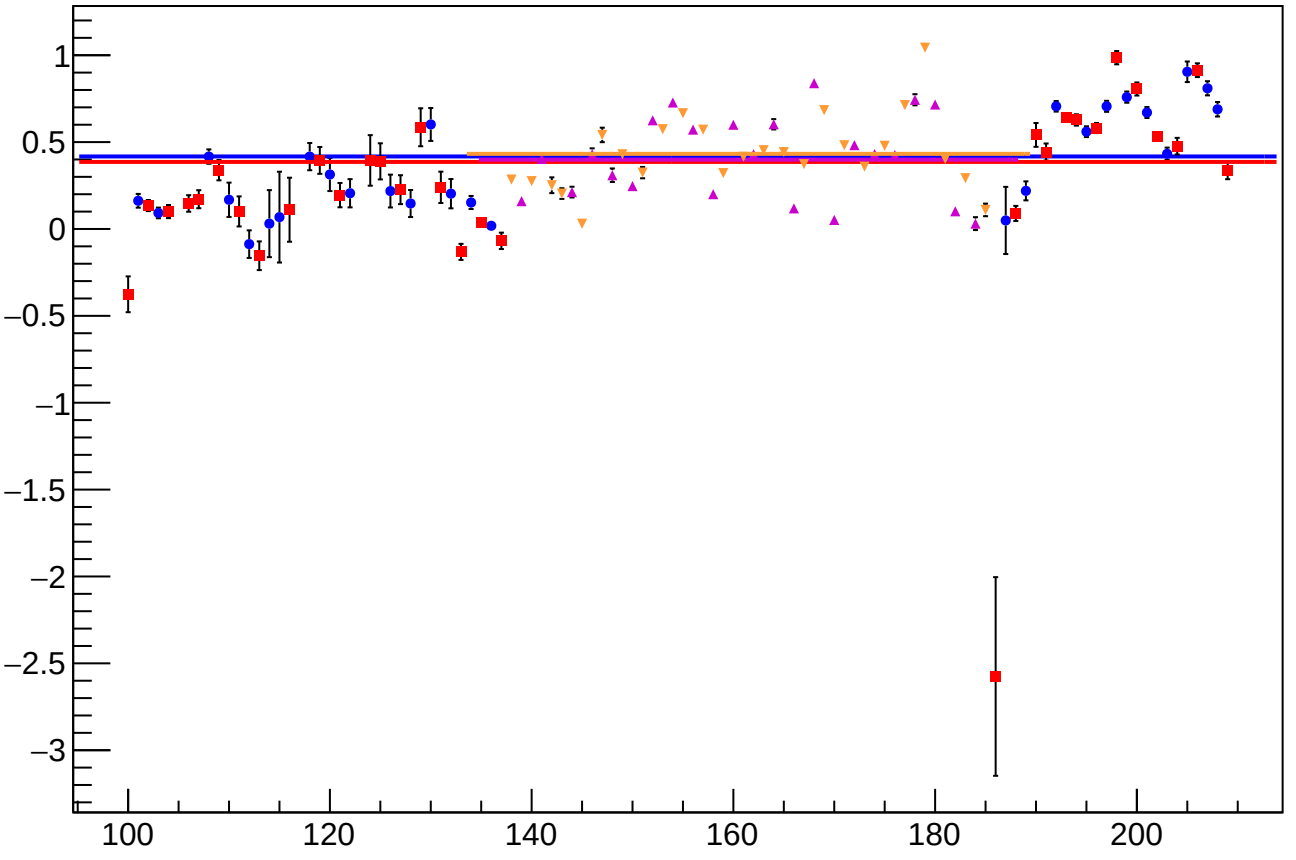
Right Out: -21.920+/-0.192 χ^2/NDF: 12876.5/31

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

\+ sign -34.810+/-0.103 χ^2/NDF: 16652.4/51

All: -34.406+/-0.073 χ^2/NDF: 36388.8/106

\- sign -33.994+/-0.104 χ^2/NDF: 19705.4/54



Right In: 0.417+/-0.008 χ^2/NDF: 1223.3/26

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.386+/-0.008 χ^2/NDF: 1537.0/31

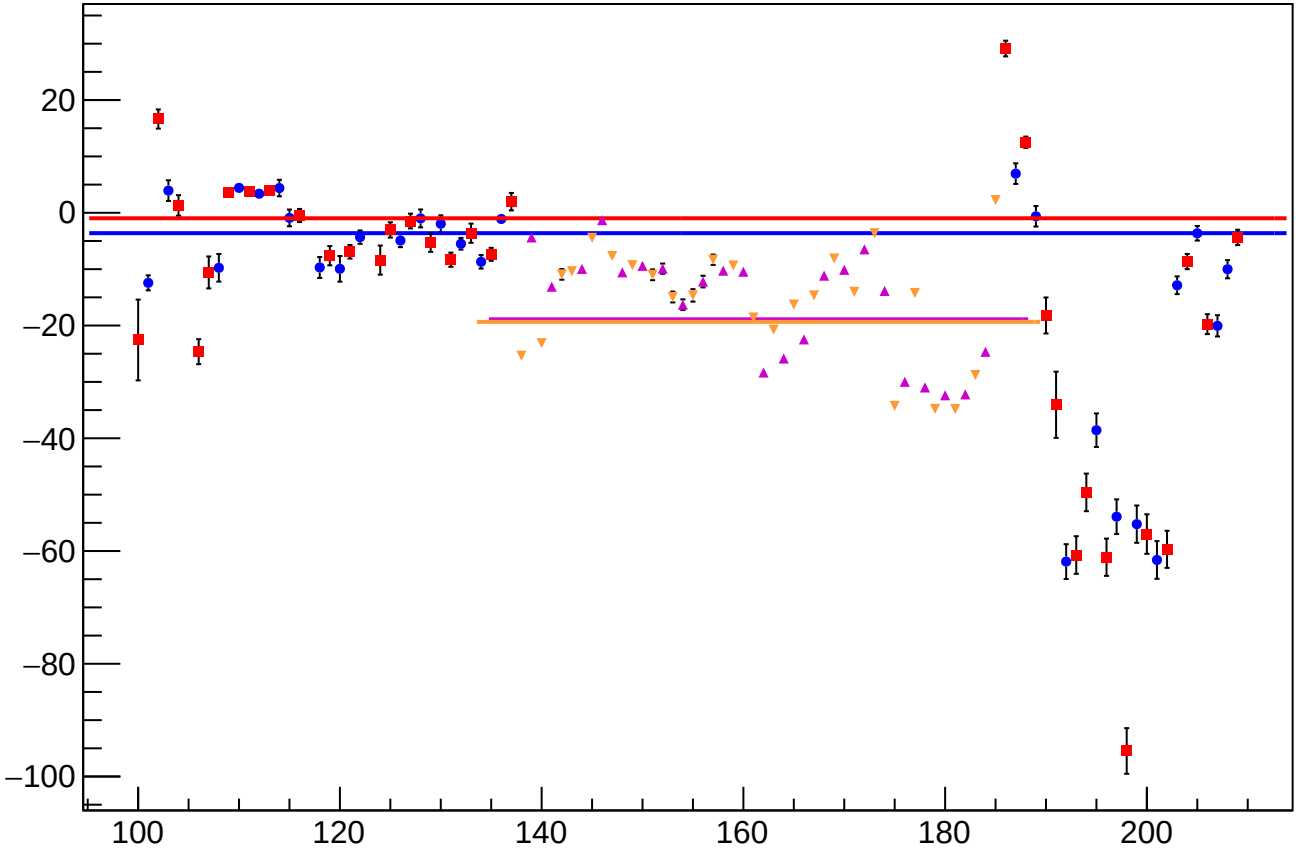
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.428+/-0.004 χ^2/NDF: 2594.2/51

All: 0.411+/-0.003 χ^2/NDF: 6084.1/106

- sign 0.395+/-0.004 χ^2/NDF: 3462.6/54

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.612+/-0.254 χ^2/NDF: 1878.3/26

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.973+/-0.238 χ^2/NDF: 3380.3/31

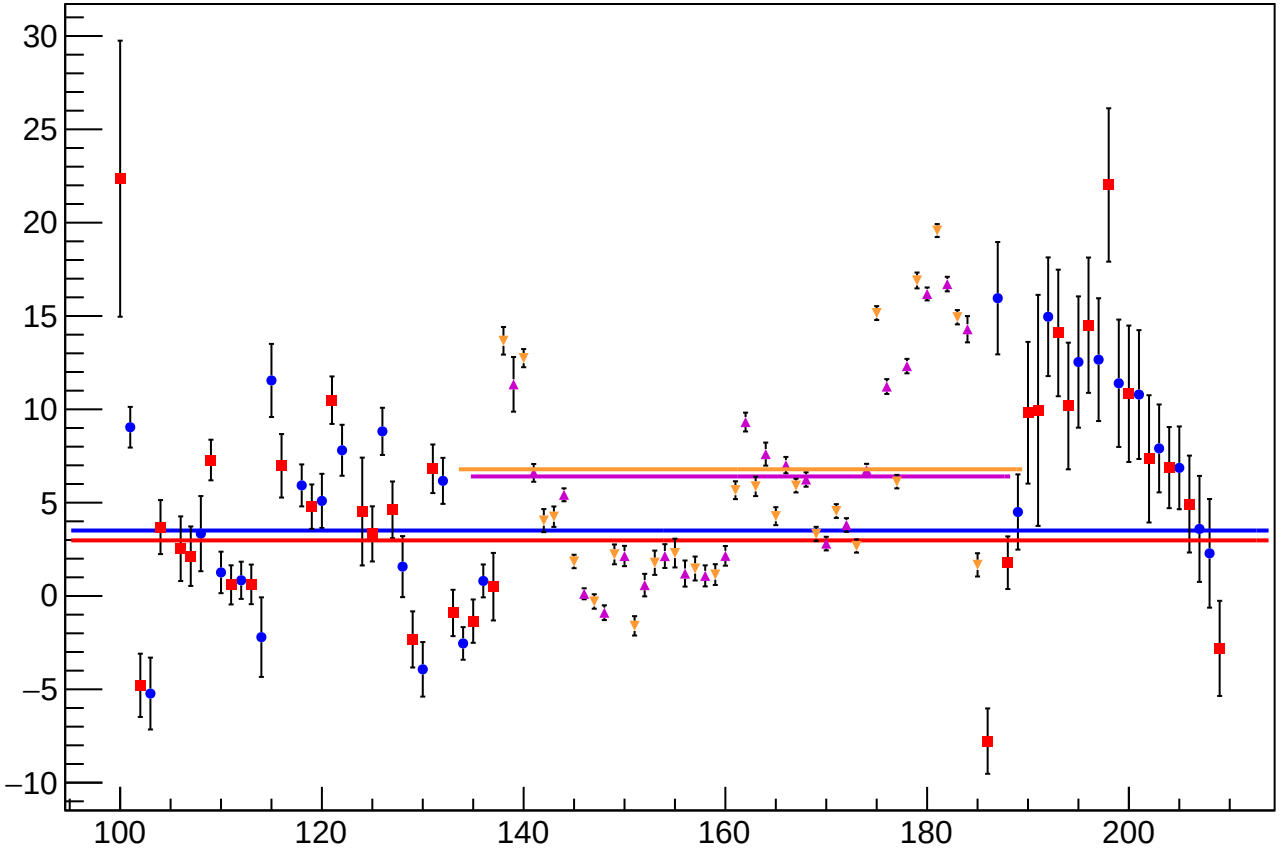
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.738+/-0.104 χ^2/NDF: 15467.1/51

All: -16.100+/-0.074 χ^2/NDF: 31795.4/106

- sign -15.452+/-0.104 χ^2/NDF: 16251.7/54

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.507+/-0.294 χ^2/NDF: 264.8/26

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.978+/-0.294 χ^2/NDF: 250.1/31

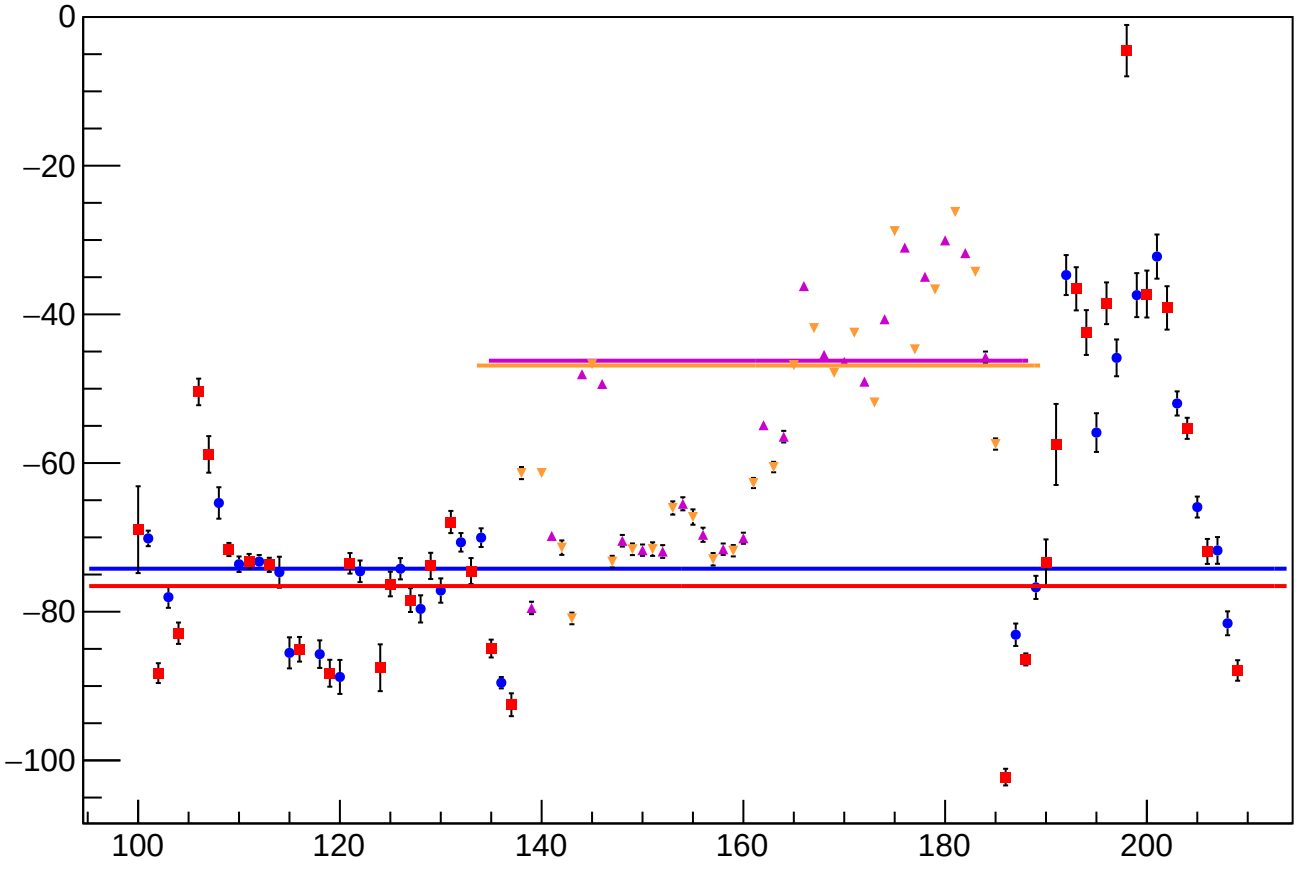
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.505+/-0.086 χ^2/NDF: 5011.4/51

All: 6.307+/-0.061 χ^2/NDF: 8806.2/106

- sign 6.104+/-0.087 χ^2/NDF: 3784.1/54

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -74.213+/-0.283 χ^2/NDF: 1616.0/26

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

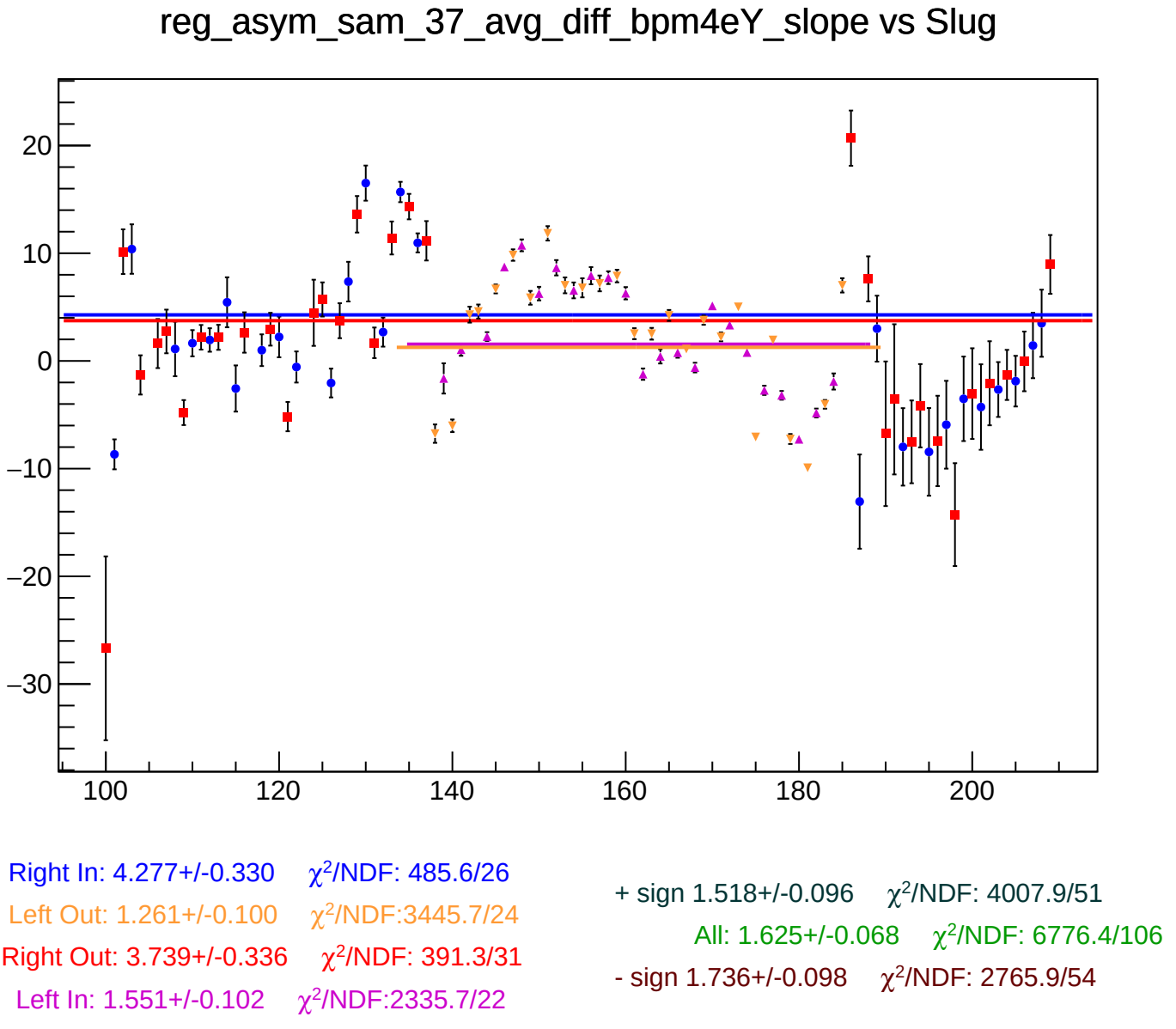
Right Out: -76.550+/-0.270 χ^2/NDF: 2938.5/31

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

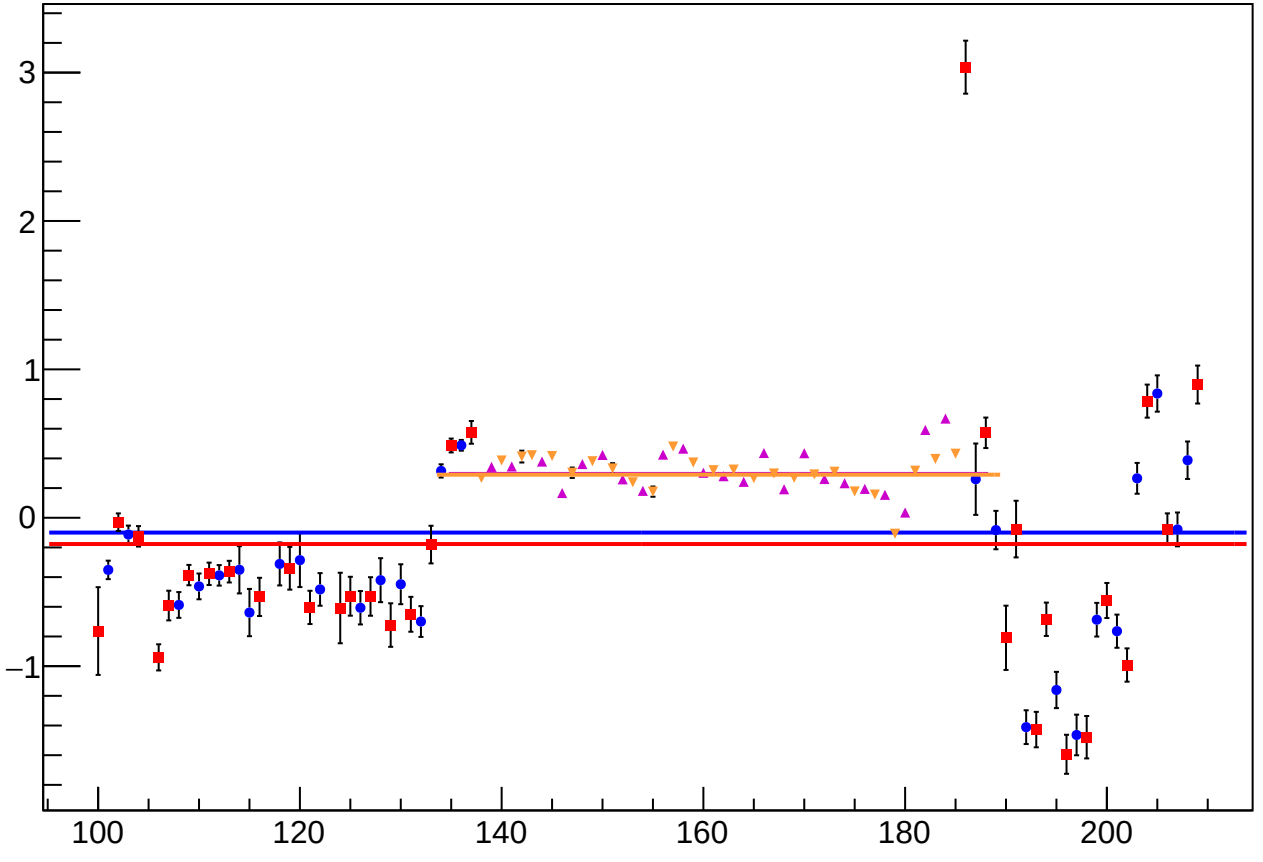
+ sign -50.696+/-0.106 χ^2/NDF: 27623.9/51

All: -50.840+/-0.075 χ^2/NDF: 56402.9/106

- sign -50.987+/-0.107 χ^2/NDF: 28775.3/54


reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 4.277+/-0.330 χ²/NDF: 485.6/26
Left Out: 1.261+/-0.100 χ²/NDF:3445.7/24
Right Out: 3.739+/-0.336 χ²/NDF: 391.3/31
Left In: 1.551+/-0.102 χ²/NDF:2335.7/22
+ sign 1.518+/-0.096 χ²/NDF: 4007.9/51
All: 1.625+/-0.068 χ²/NDF: 6776.4/106
- sign 1.736+/-0.098 χ²/NDF: 2765.9/54

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.100+/-0.017 χ^2/NDF: 985.7/26

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.177+/-0.018 χ^2/NDF: 1419.9/31

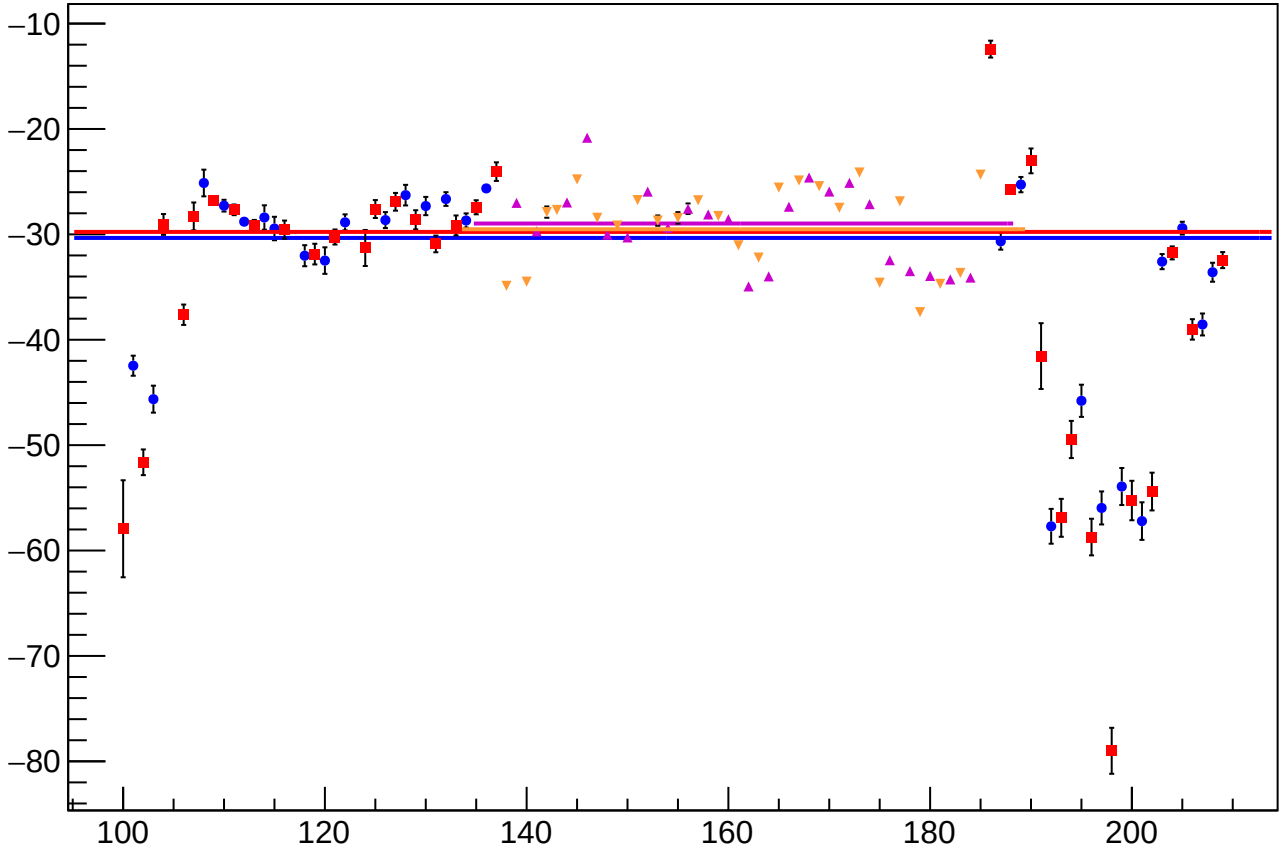
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.265+/-0.004 χ^2/NDF: 2205.2/51

All: 0.265+/-0.003 χ^2/NDF: 5341.8/106

- sign 0.265+/-0.004 χ^2/NDF: 3136.5/54

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.340+/-0.156 χ^2/NDF: 1752.7/26

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.767+/-0.149 χ^2/NDF: 2795.5/31

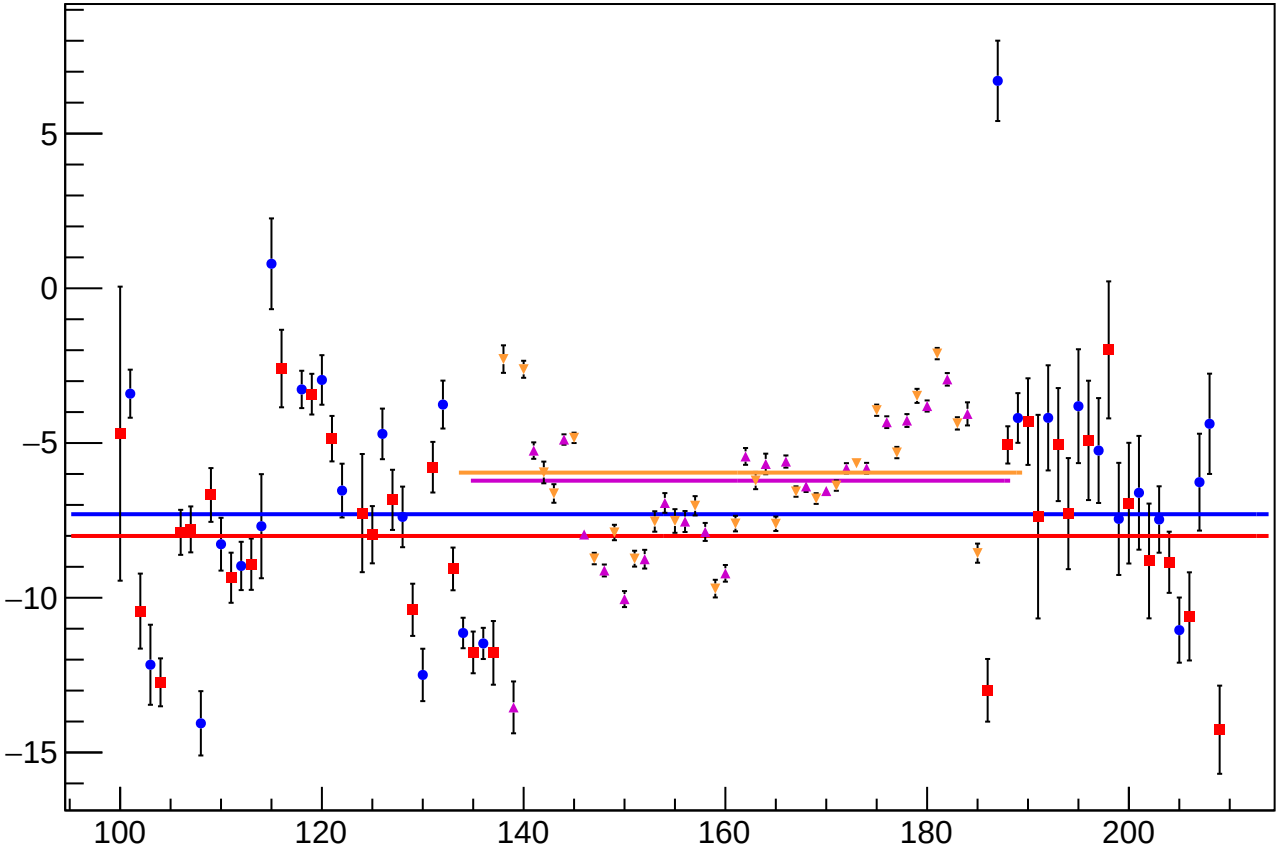
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.611+/-0.053 χ^2/NDF: 7865.8/51

All: -29.343+/-0.038 χ^2/NDF: 16086.2/106

- sign -29.073+/-0.053 χ^2/NDF: 8169.0/54

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.300+/-0.175 χ^2/NDF: 547.1/26

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.004+/-0.172 χ^2/NDF: 289.5/31

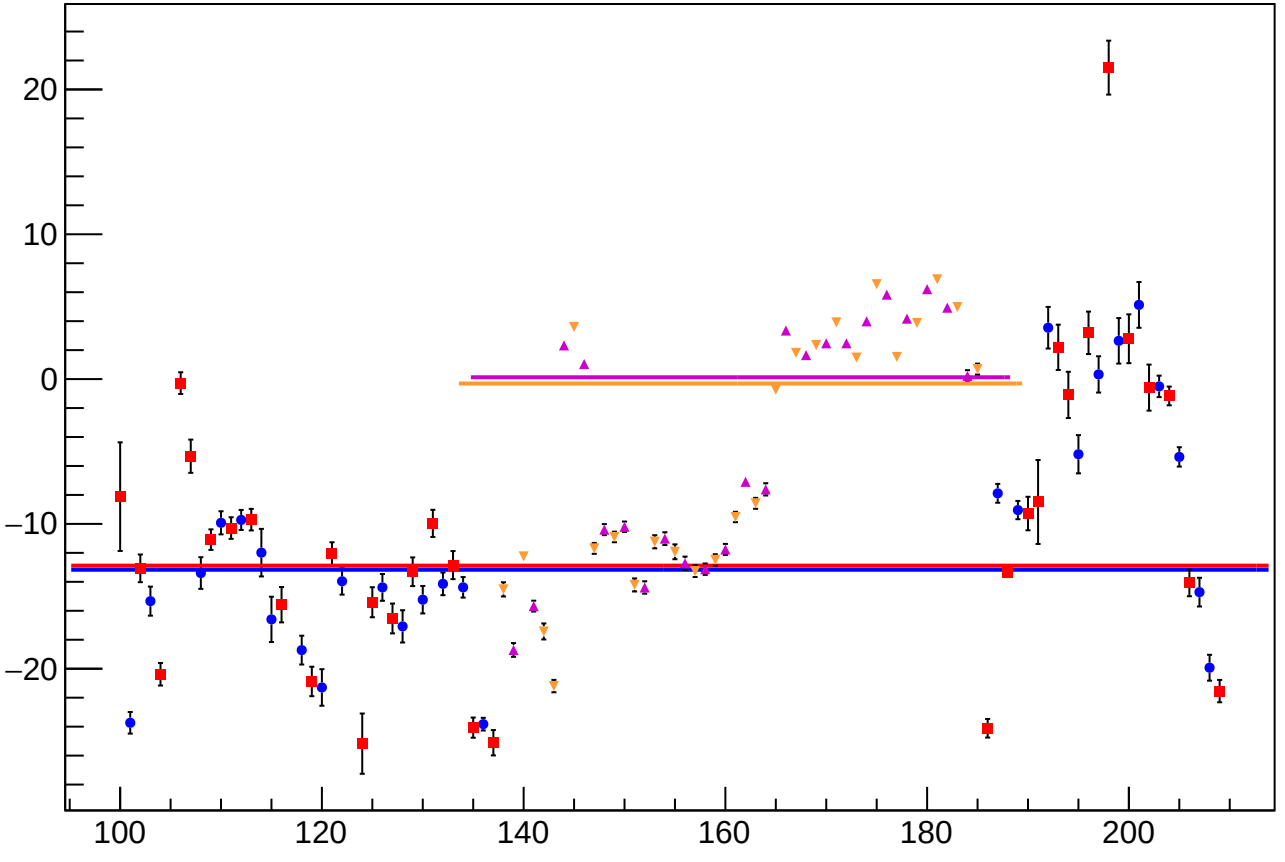
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.037+/-0.043 χ^2/NDF: 2460.3/51

All: -6.183+/-0.030 χ^2/NDF: 4615.7/106

- sign -6.327+/-0.043 χ^2/NDF: 2132.6/54

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.165+/-0.166 χ^2/NDF: 2061.1/26

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.883+/-0.155 χ^2/NDF: 2570.7/31

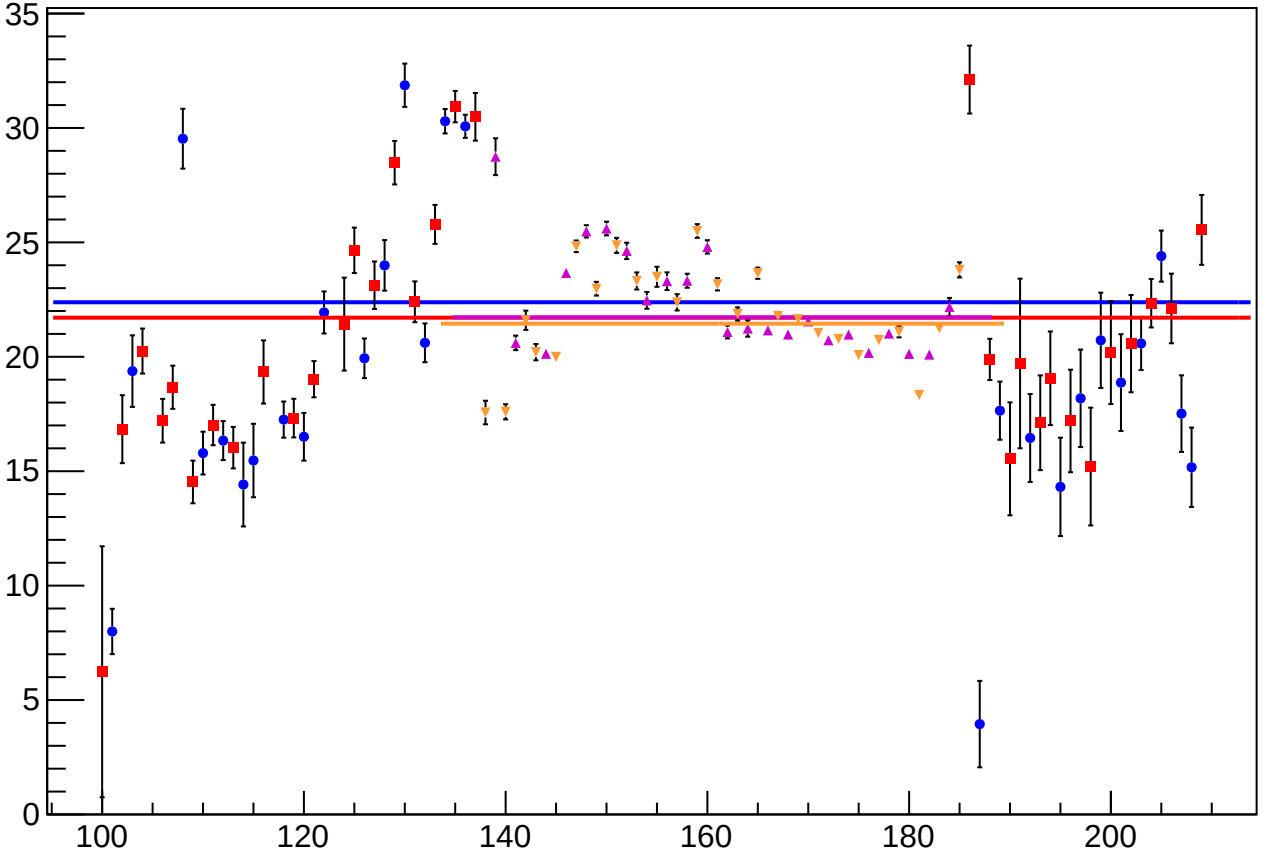
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.651+/-0.054 χ^2/NDF: 24648.2/51

All: -1.539+/-0.038 χ^2/NDF: 47279.7/106

- sign -1.427+/-0.053 χ^2/NDF: 22622.7/54

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.383+/-0.199 χ^2/NDF: 1194.1/26

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.709+/-0.201 χ^2/NDF: 642.5/31

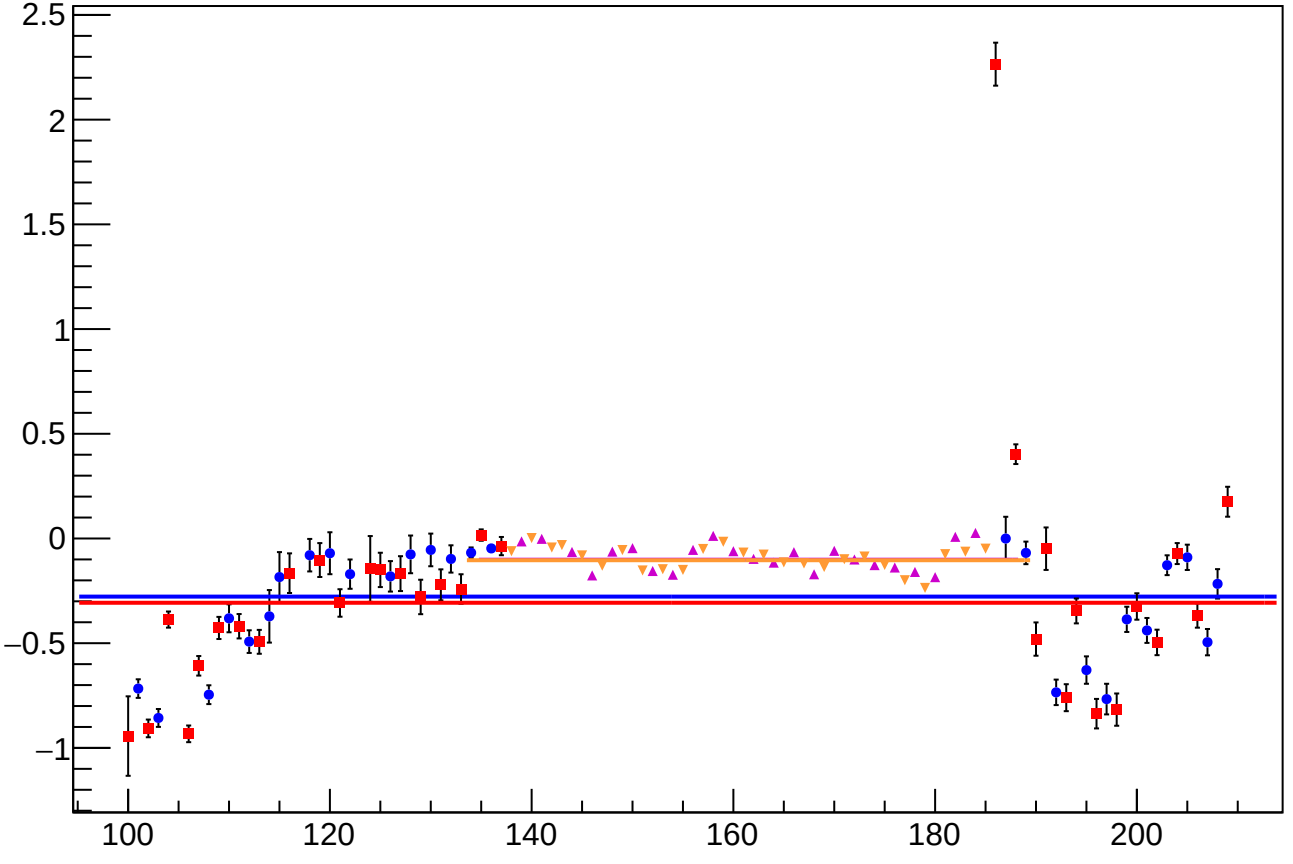
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.502+/-0.048 χ^2/NDF: 2540.3/51

All: 21.613+/-0.034 χ^2/NDF: 4367.2/106

- sign 21.724+/-0.048 χ^2/NDF: 1816.2/54

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.278+/-0.010 χ^2/NDF: 834.1/26

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.307+/-0.010 χ^2/NDF: 1819.7/31

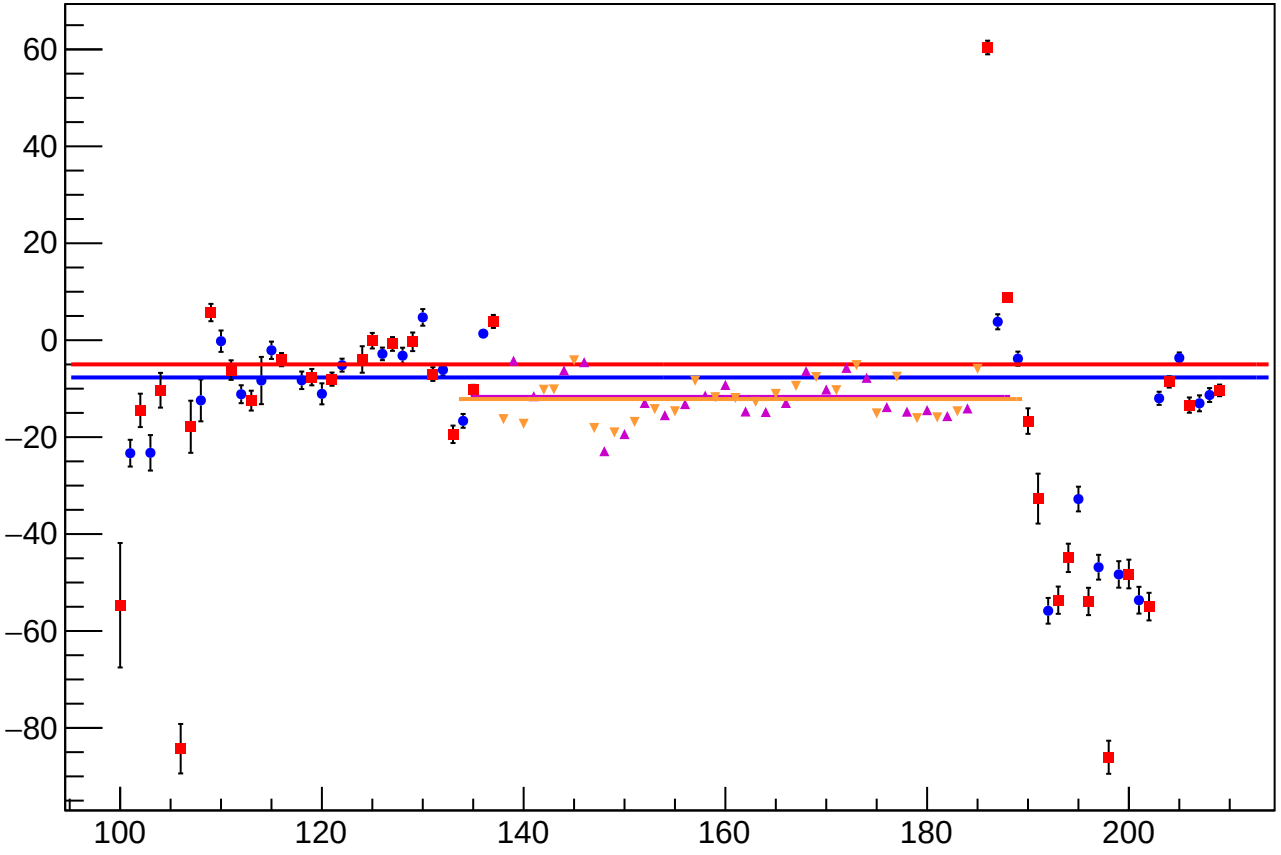
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.112+/-0.002 χ^2/NDF: 1675.4/51

All: -0.111+/-0.002 χ^2/NDF: 4642.9/106

- sign -0.111+/-0.002 χ^2/NDF: 2967.4/54

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.685+/-0.306 χ^2/NDF: 1634.0/26

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.989+/-0.305 χ^2/NDF: 4896.3/31

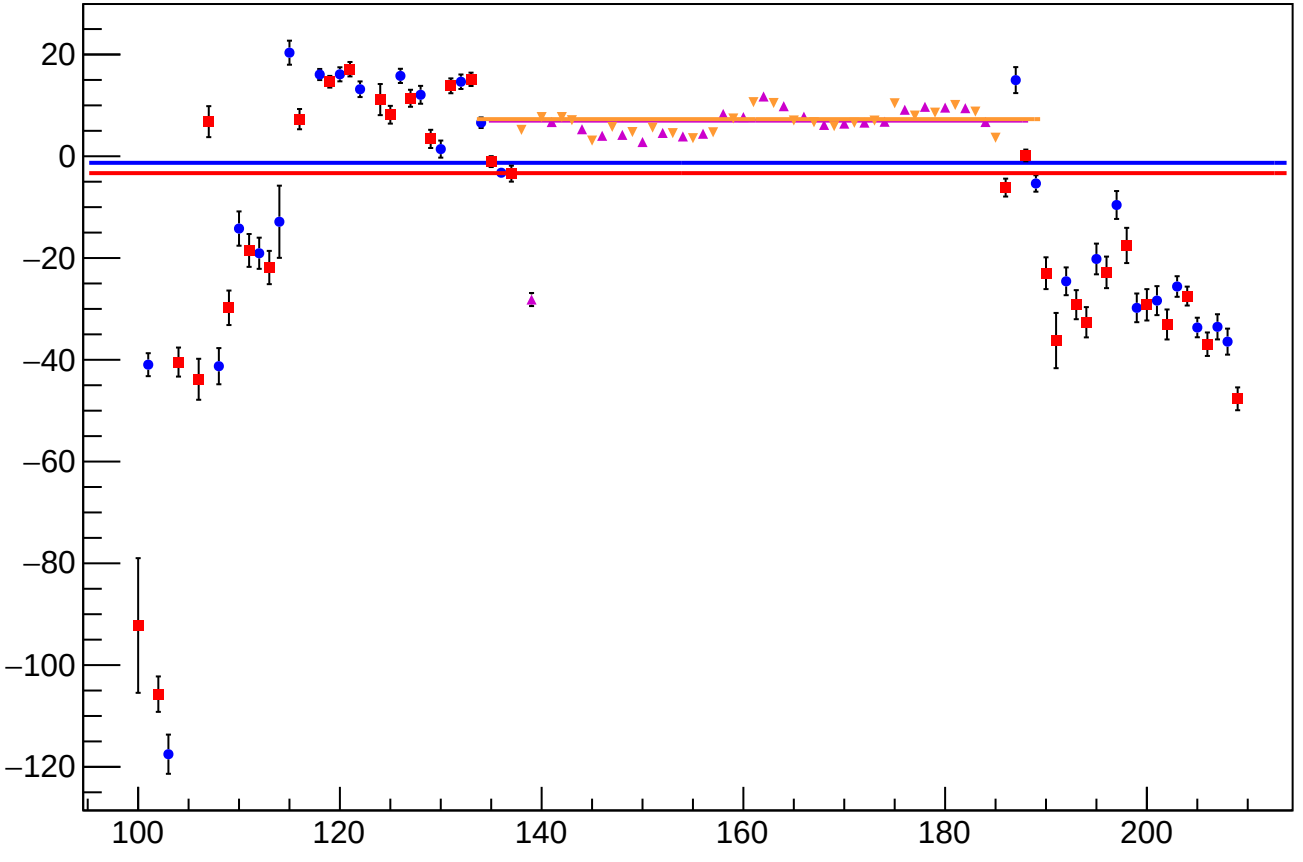
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.778+/-0.088 χ^2/NDF: 3958.7/51

All: -11.455+/-0.063 χ^2/NDF: 11274.8/106

- sign -11.114+/-0.090 χ^2/NDF: 7288.2/54

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -1.288+/-0.338 χ^2/NDF: 3526.1/26

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -3.315+/-0.351 χ^2/NDF: 3551.2/31

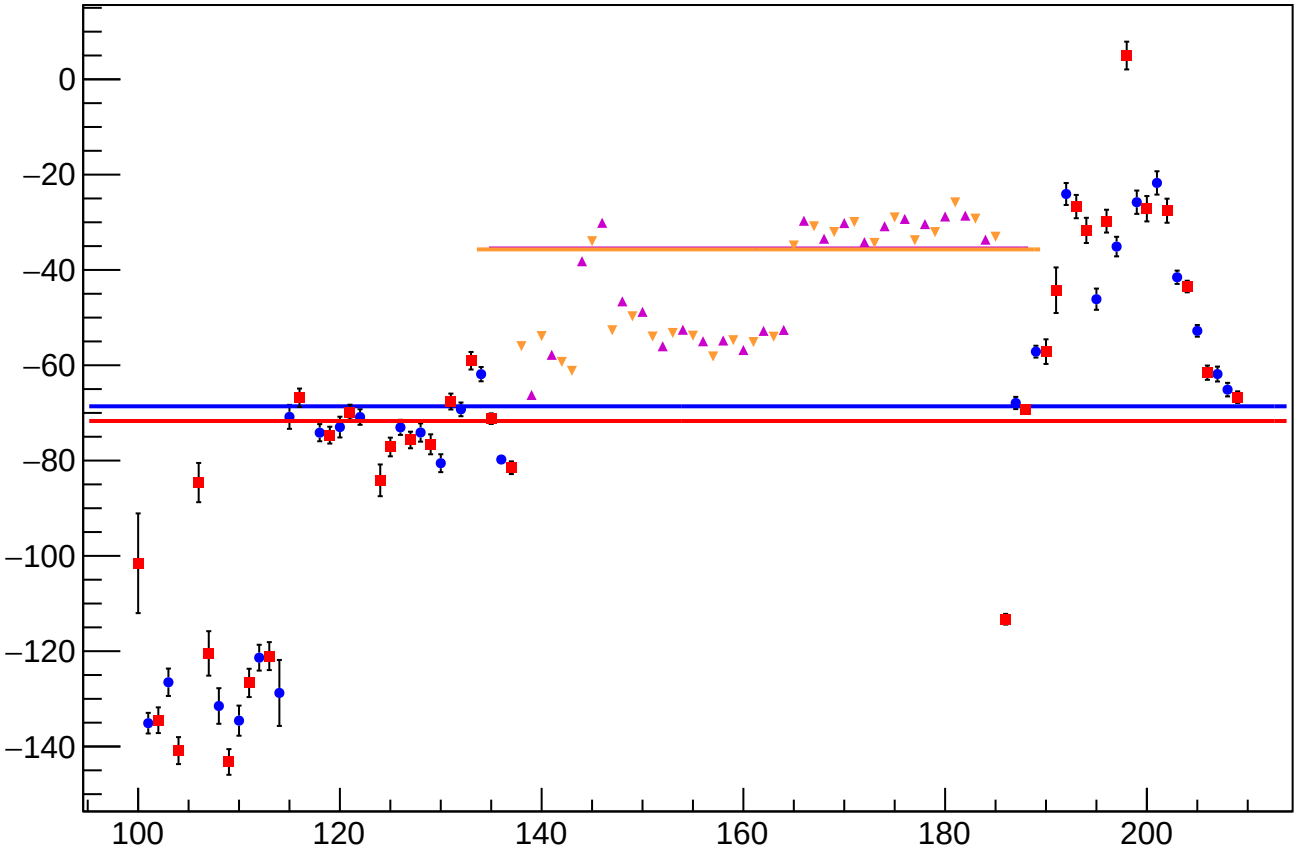
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.895+/-0.073 χ^2/NDF: 4962.9/51

All: 6.721+/-0.052 χ^2/NDF: 10928.8/106

- sign 6.541+/-0.074 χ^2/NDF: 5954.4/54

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.614+/-0.315 χ^2/NDF: 4954.1/26

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.695+/-0.306 χ^2/NDF: 6947.8/31

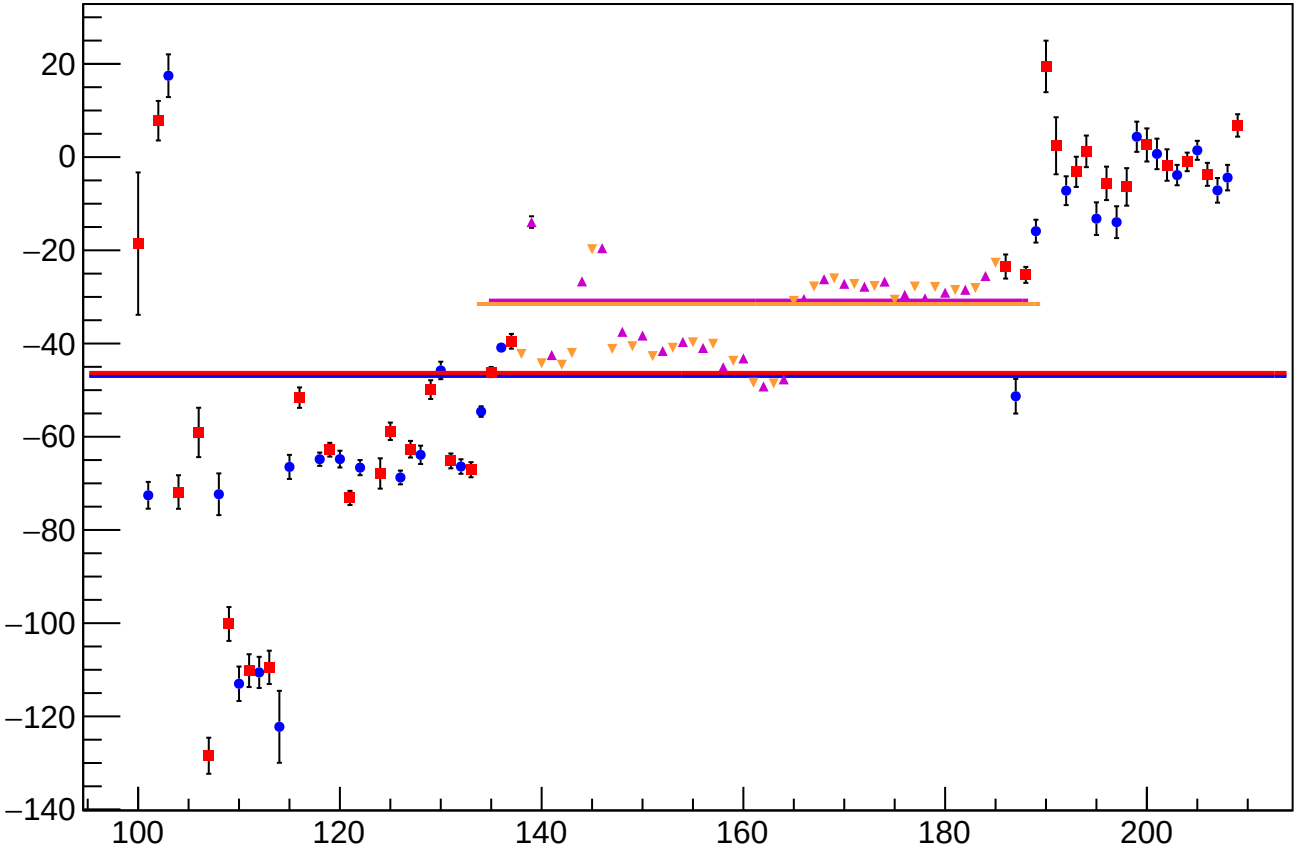
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.284+/-0.089 χ^2/NDF: 27772.9/51

All: -38.463+/-0.063 χ^2/NDF: 58649.5/106

- sign -38.650+/-0.090 χ^2/NDF: 30868.3/54

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -46.950+/-0.380 χ^2/NDF: 4489.6/26

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -46.299+/-0.403 χ^2/NDF: 5175.1/31

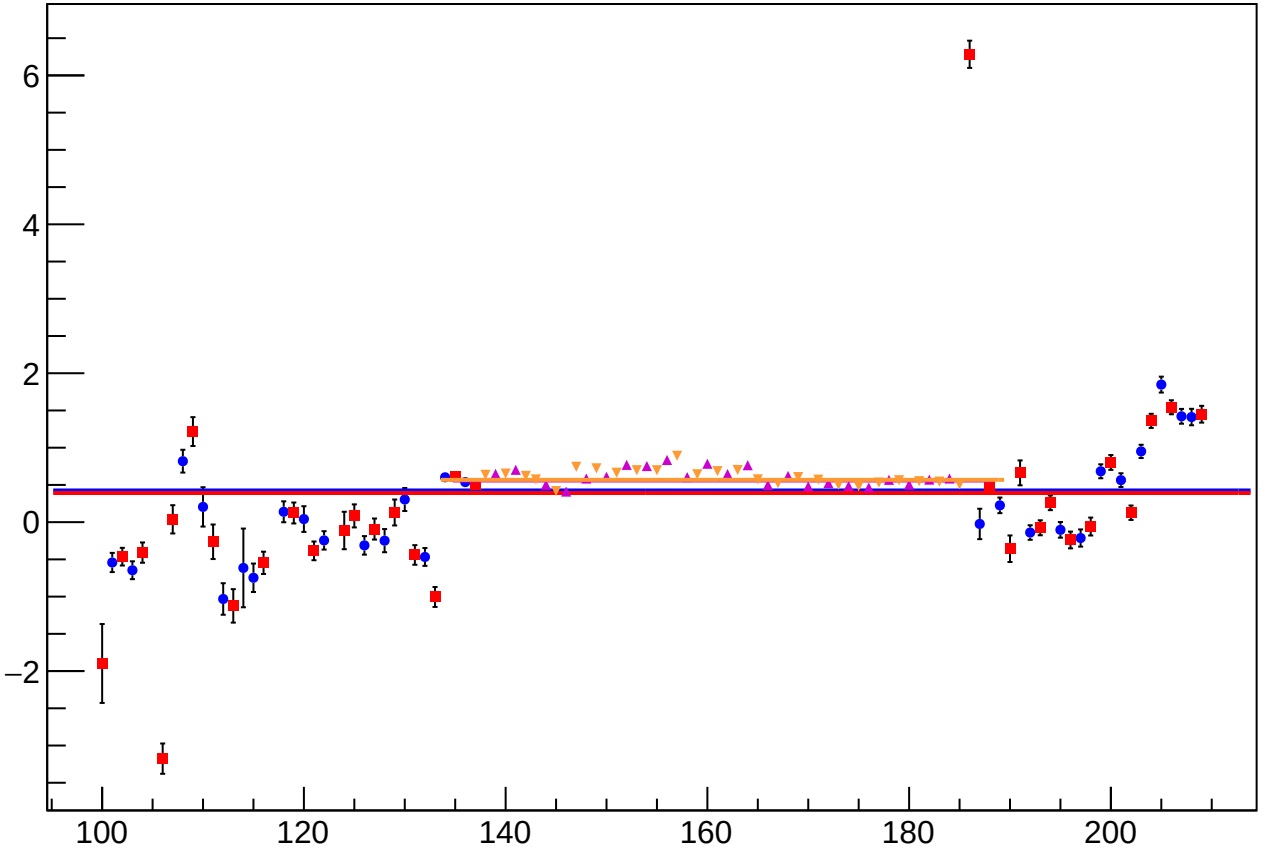
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

\+ sign -32.221+/-0.081 χ^2/NDF: 14525.3/51

All: -31.838+/-0.058 χ^2/NDF: 28713.6/106

\- sign -31.439+/-0.083 χ^2/NDF: 14142.5/54

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.425+/-0.019 χ^2/NDF: 902.7/26

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.392+/-0.020 χ^2/NDF: 2263.4/31

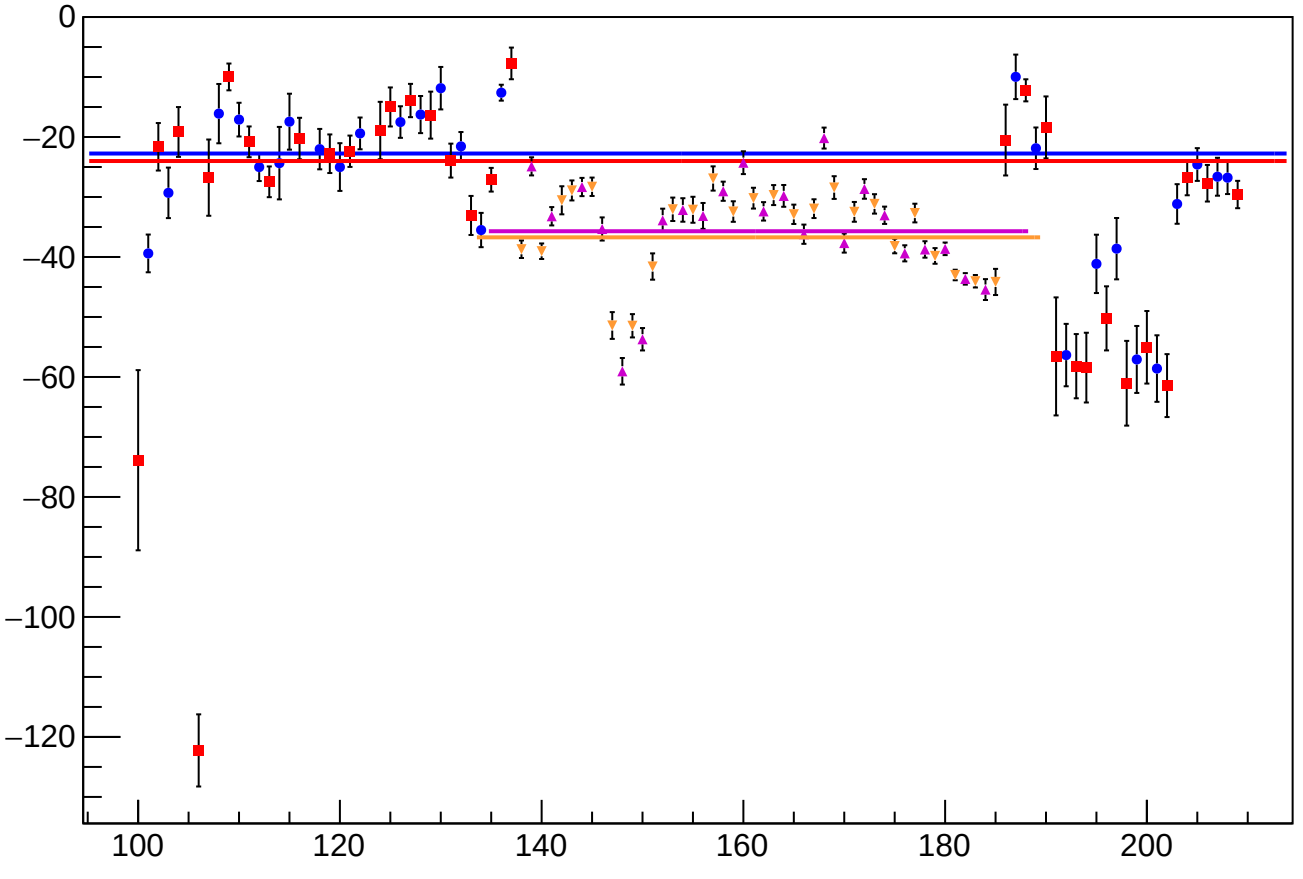
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.563+/-0.004 χ^2/NDF: 1514.4/51

All: 0.559+/-0.003 χ^2/NDF: 4521.1/106

- sign 0.554+/-0.004 χ^2/NDF: 3003.9/54

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.753+/-0.590 χ^2/NDF: 304.8/26

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -24.003+/-0.584 χ^2/NDF: 665.1/31

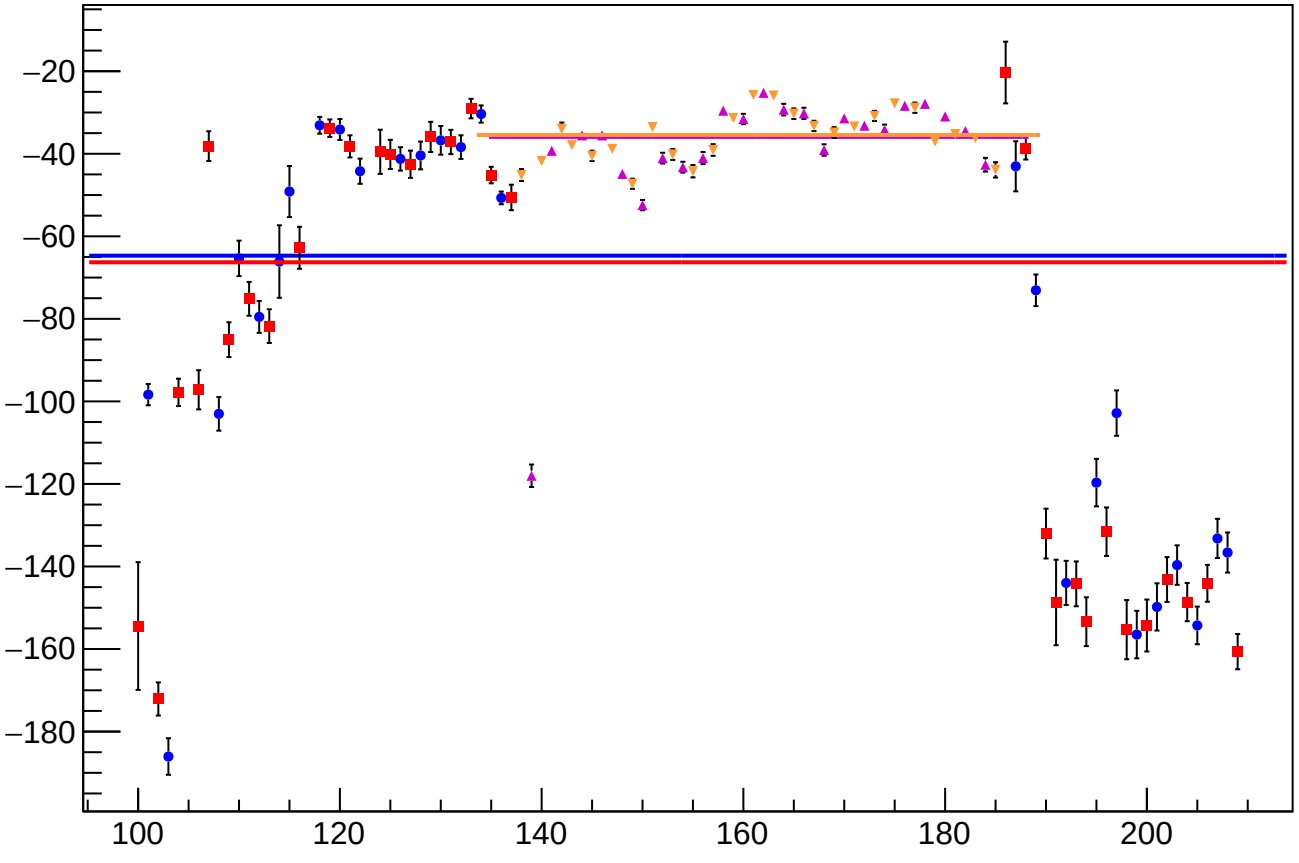
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.701+/-0.275 χ^2/NDF: 1164.6/51

All: -33.341+/-0.197 χ^2/NDF: 2719.7/106

- sign -32.959+/-0.283 χ^2/NDF: 1551.6/54

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -64.691+/-0.642 χ^2/NDF: 3995.9/26

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -66.294+/-0.658 χ^2/NDF: 4523.0/31

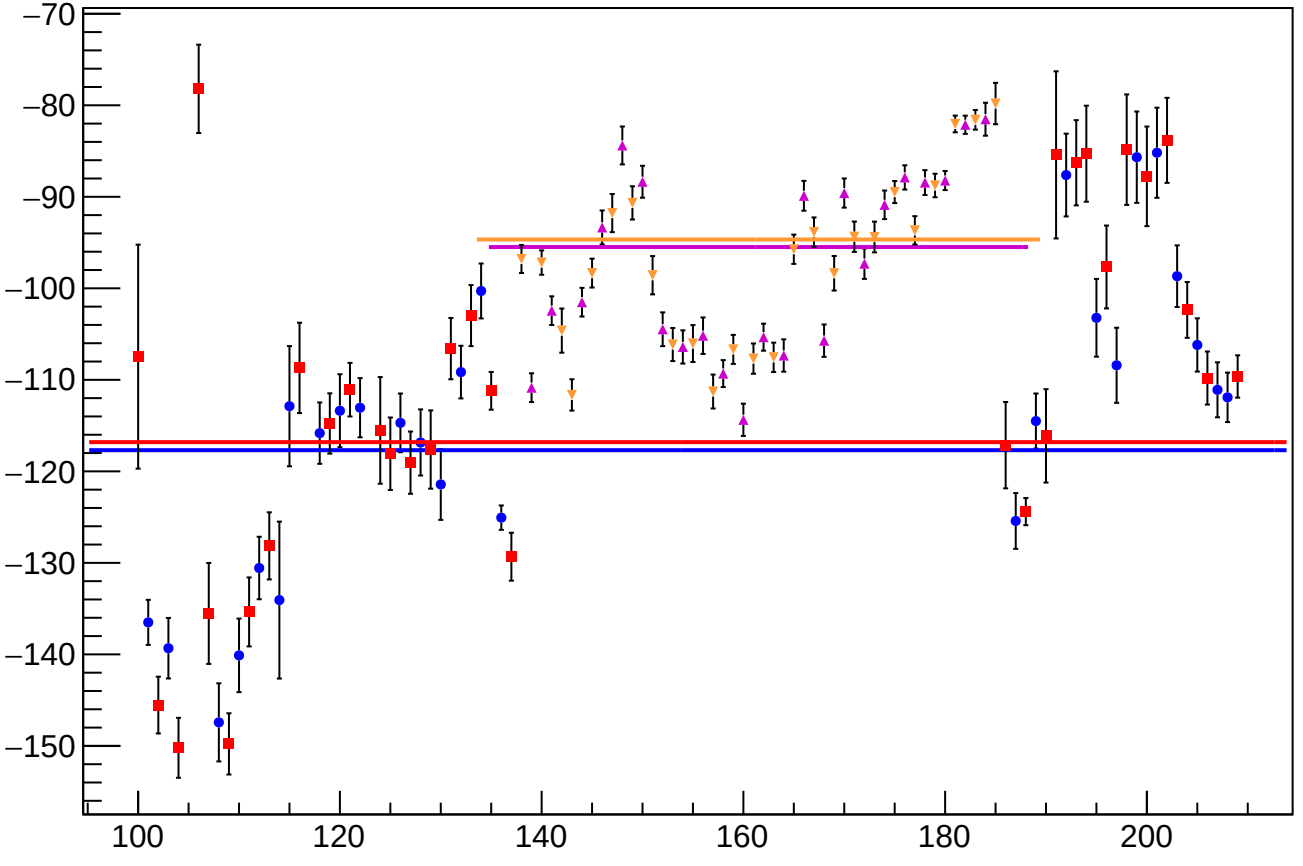
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -39.158+/-0.229 χ^2/NDF: 6346.3/51

All: -39.517+/-0.165 χ^2/NDF: 14267.5/106

- sign -39.908+/-0.239 χ^2/NDF: 7916.1/54

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.687+/-0.609 χ^2/NDF: 487.7/26

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.808+/-0.602 χ^2/NDF: 740.7/31

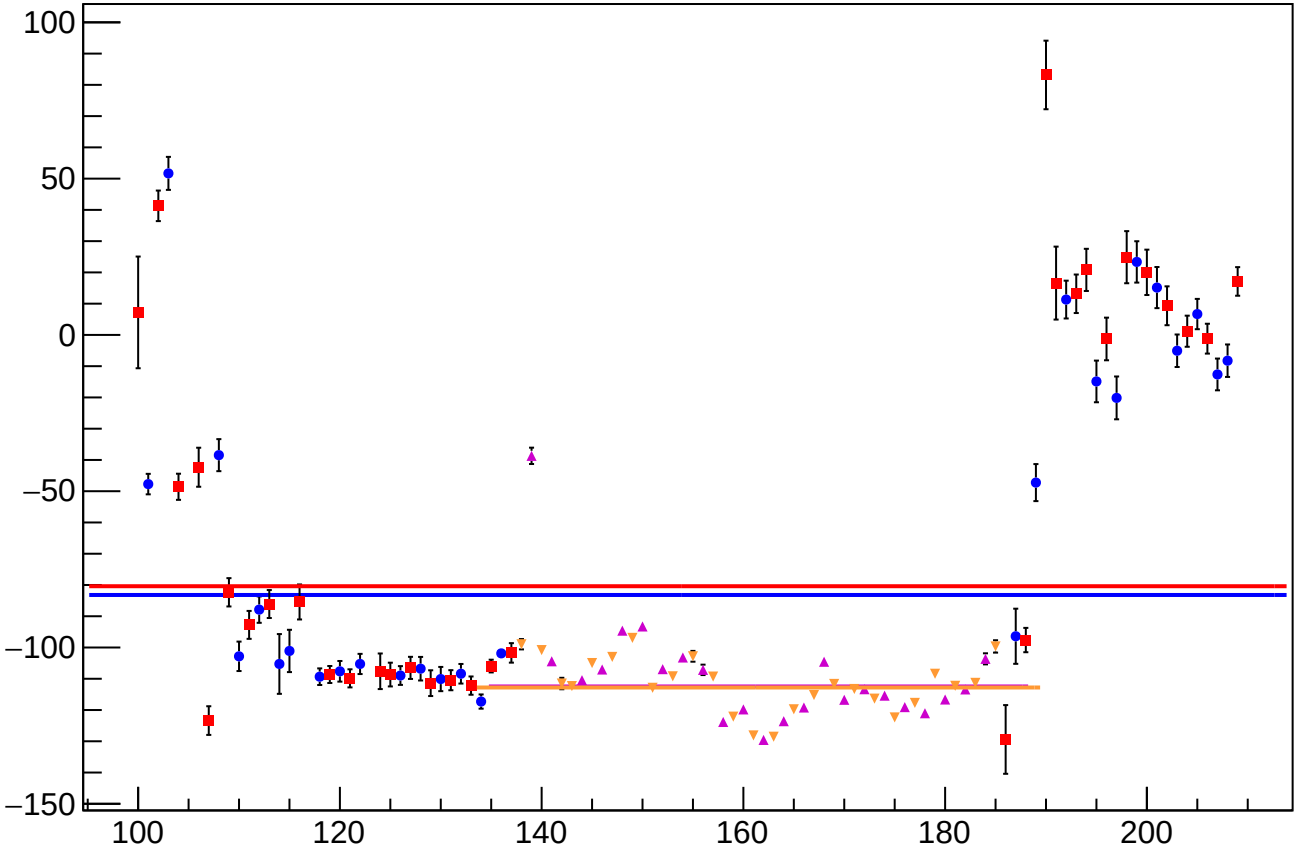
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.394+/-0.276 χ^2/NDF: 2522.5/51

All: -99.793+/-0.198 χ^2/NDF: 5214.0/106

- sign -100.214+/-0.283 χ^2/NDF: 2687.2/54

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -83.195+/-0.725 χ^2/NDF: 3596.6/26

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -80.394+/-0.754 χ^2/NDF: 4127.5/31

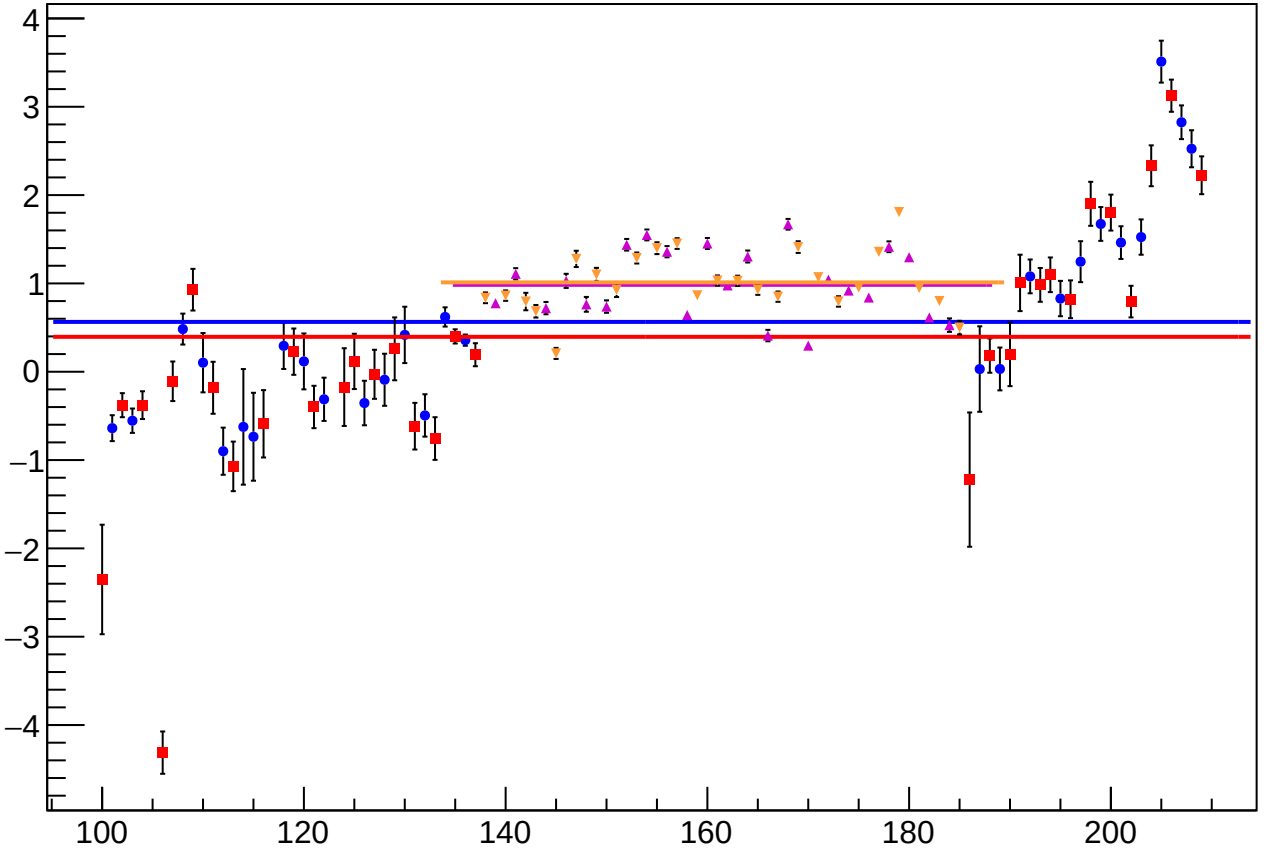
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -109.091+/-0.256 χ^2/NDF: 5992.4/51

All: -108.788+/-0.185 χ^2/NDF: 13494.9/106

- sign -108.460+/-0.266 χ^2/NDF: 7499.6/54

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.564+/-0.035 χ^2/NDF: 725.3/26

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.395+/-0.036 χ^2/NDF: 1059.2/31

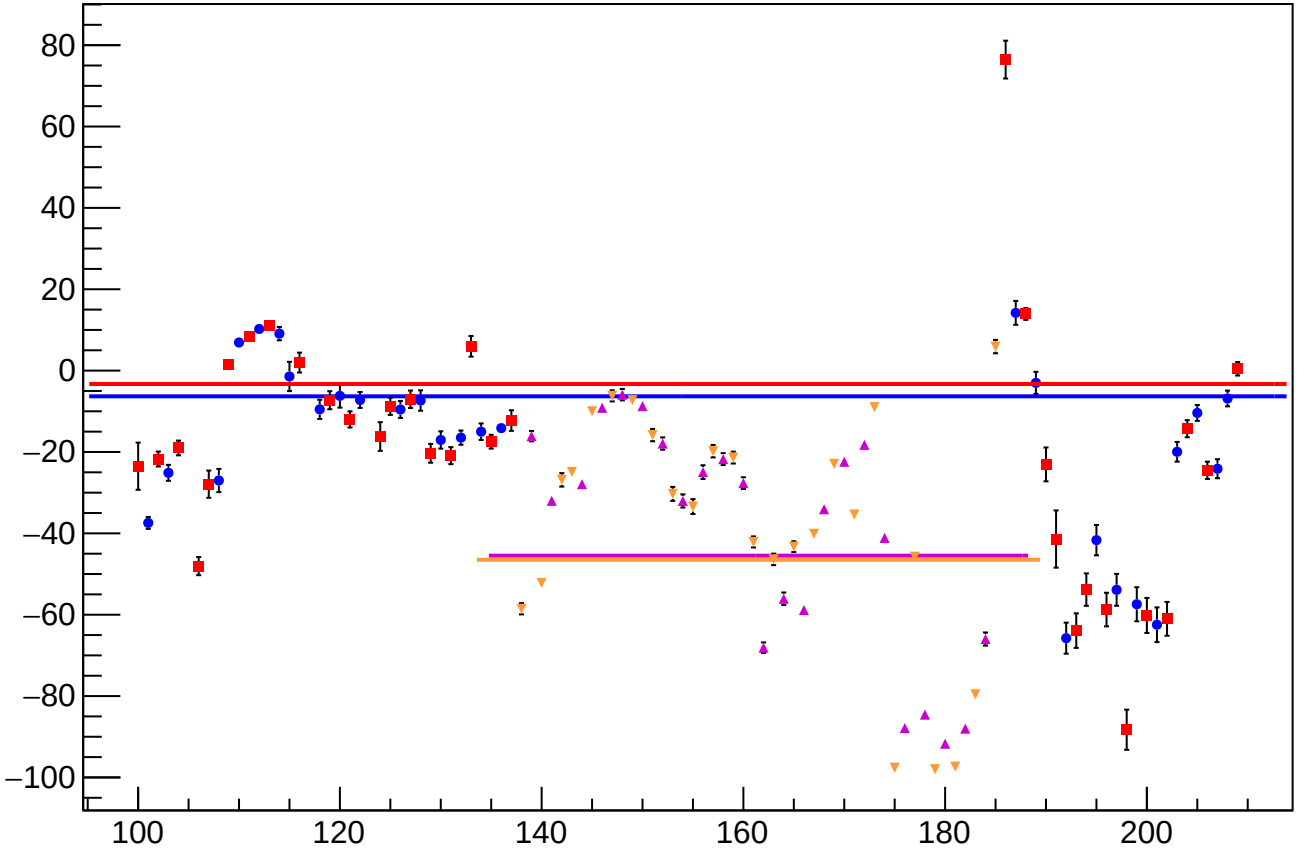
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

\+ sign 0.962+/-0.012 χ^2/NDF: 1564.3/51

All: 0.942+/-0.008 χ^2/NDF: 3764.9/106

\- sign 0.921+/-0.012 χ^2/NDF: 2194.6/54

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.319+/-0.343 χ^2/NDF: 2529.4/26

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.291+/-0.309 χ^2/NDF: 3379.7/31

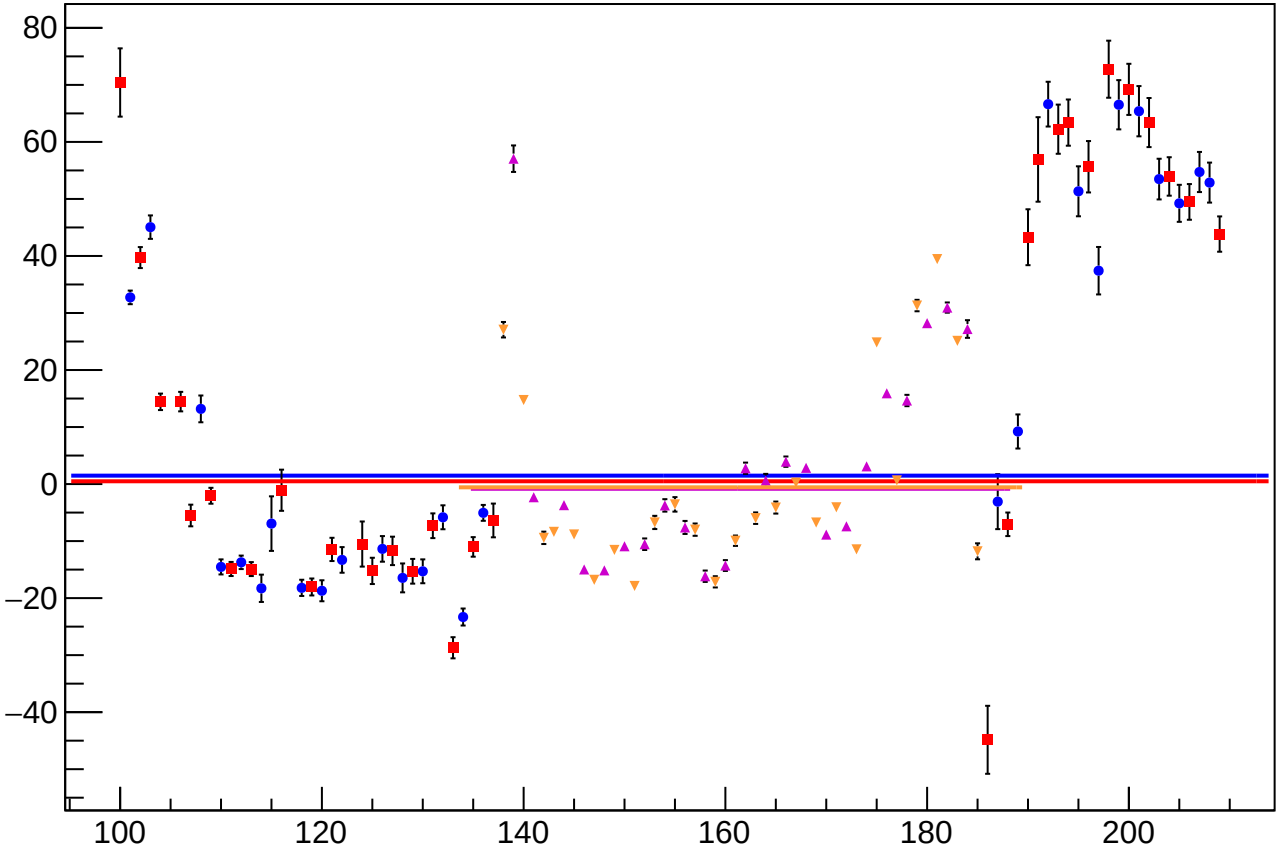
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.027+/-0.191 χ^2/NDF: 32036.1/51

All: -31.884+/-0.134 χ^2/NDF: 62950.1/106

- sign -29.801+/-0.188 χ^2/NDF: 30666.0/54

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 1.478+/-0.403 χ^2/NDF: 4152.3/26

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 0.488+/-0.391 χ^2/NDF: 3860.2/31

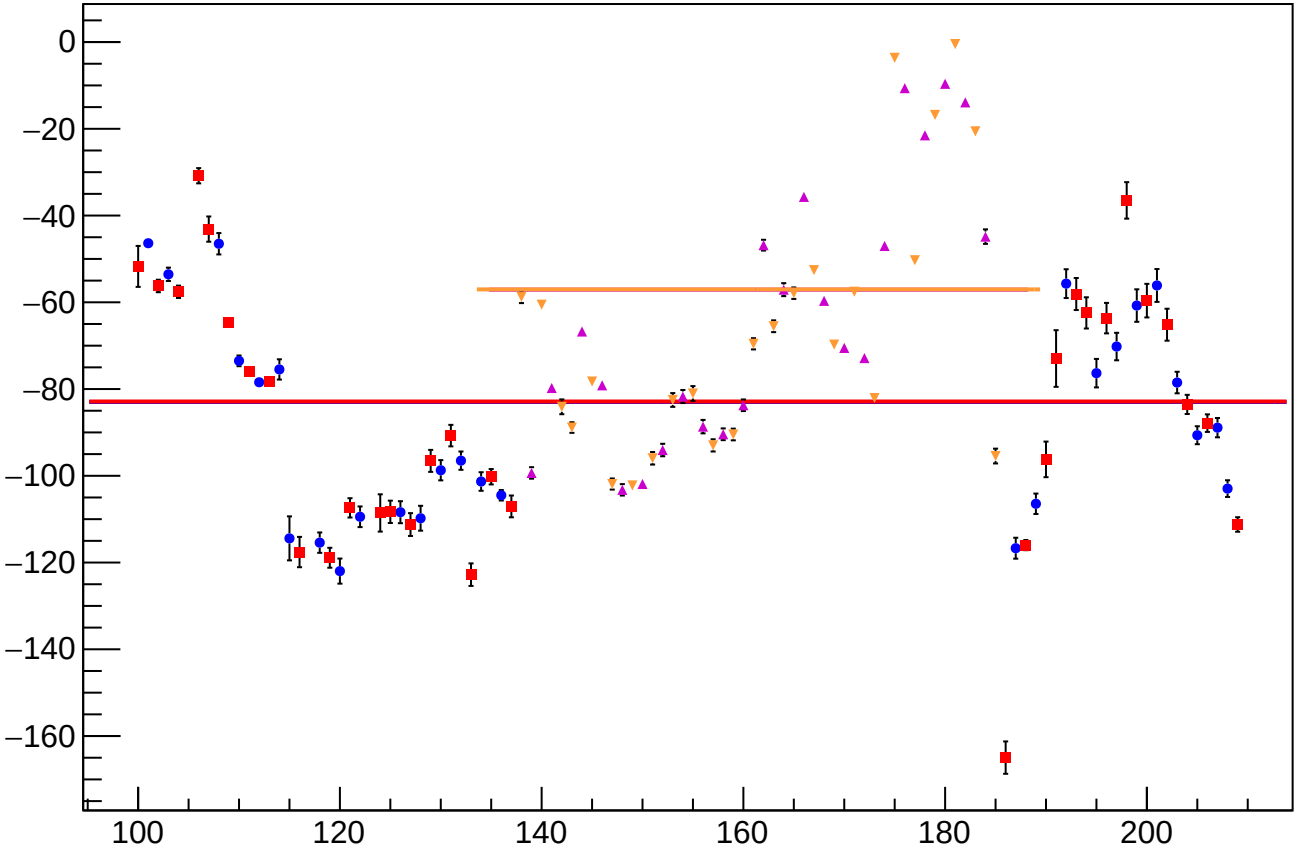
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.240+/-0.162 χ^2/NDF: 12625.4/51

All: -0.412+/-0.116 χ^2/NDF: 22613.8/106

- sign -0.592+/-0.166 χ^2/NDF: 9986.1/54

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -82.983+/-0.382 χ^2/NDF: 3488.3/26

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.875+/-0.356 χ^2/NDF: 5180.3/31

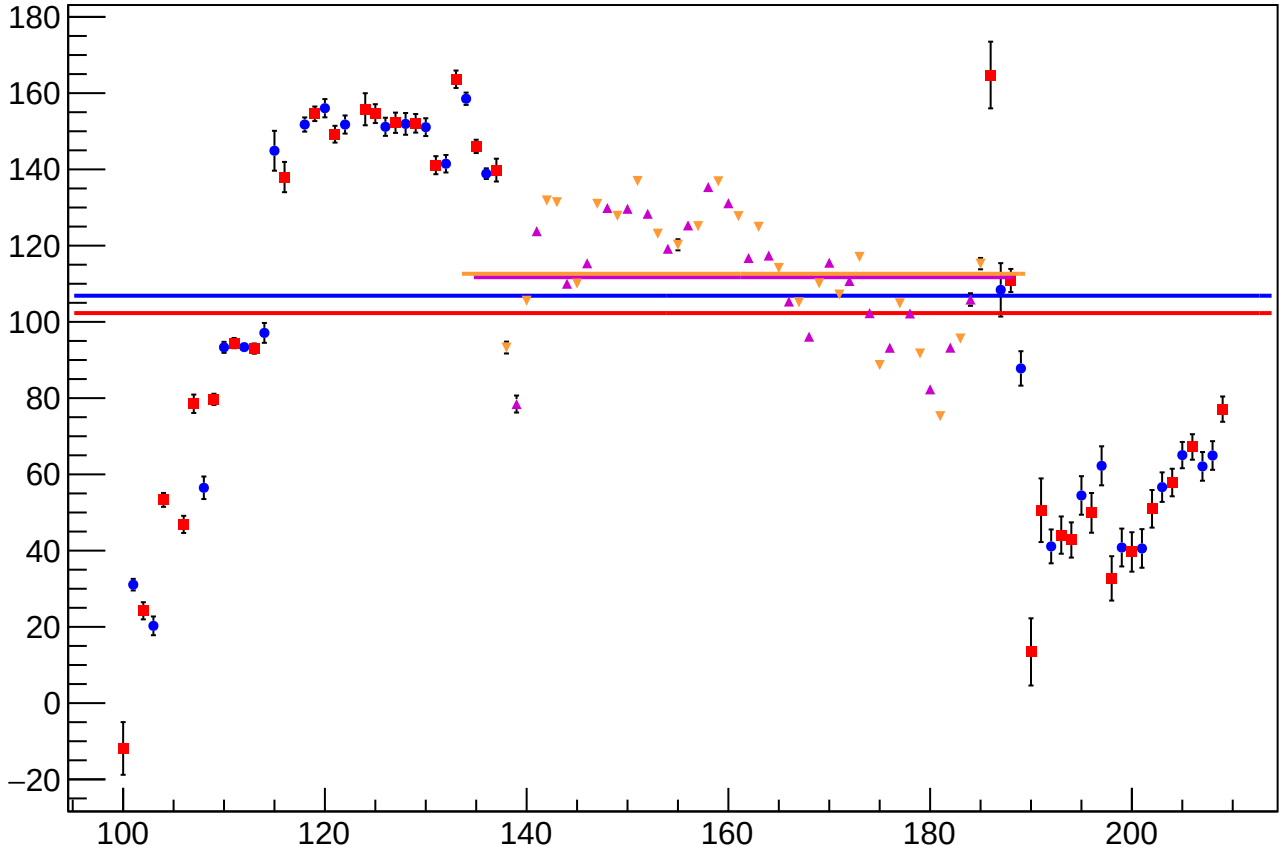
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

\+ sign -63.924+/-0.197 χ^2/NDF: 27184.1/51

All: -64.451+/-0.139 χ^2/NDF: 53179.8/106

\- sign -64.979+/-0.197 χ^2/NDF: 25981.4/54

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 106.863+/-0.459 χ^2/NDF: 9719.4/26

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 102.310+/-0.448 χ^2/NDF: 8987.9/31

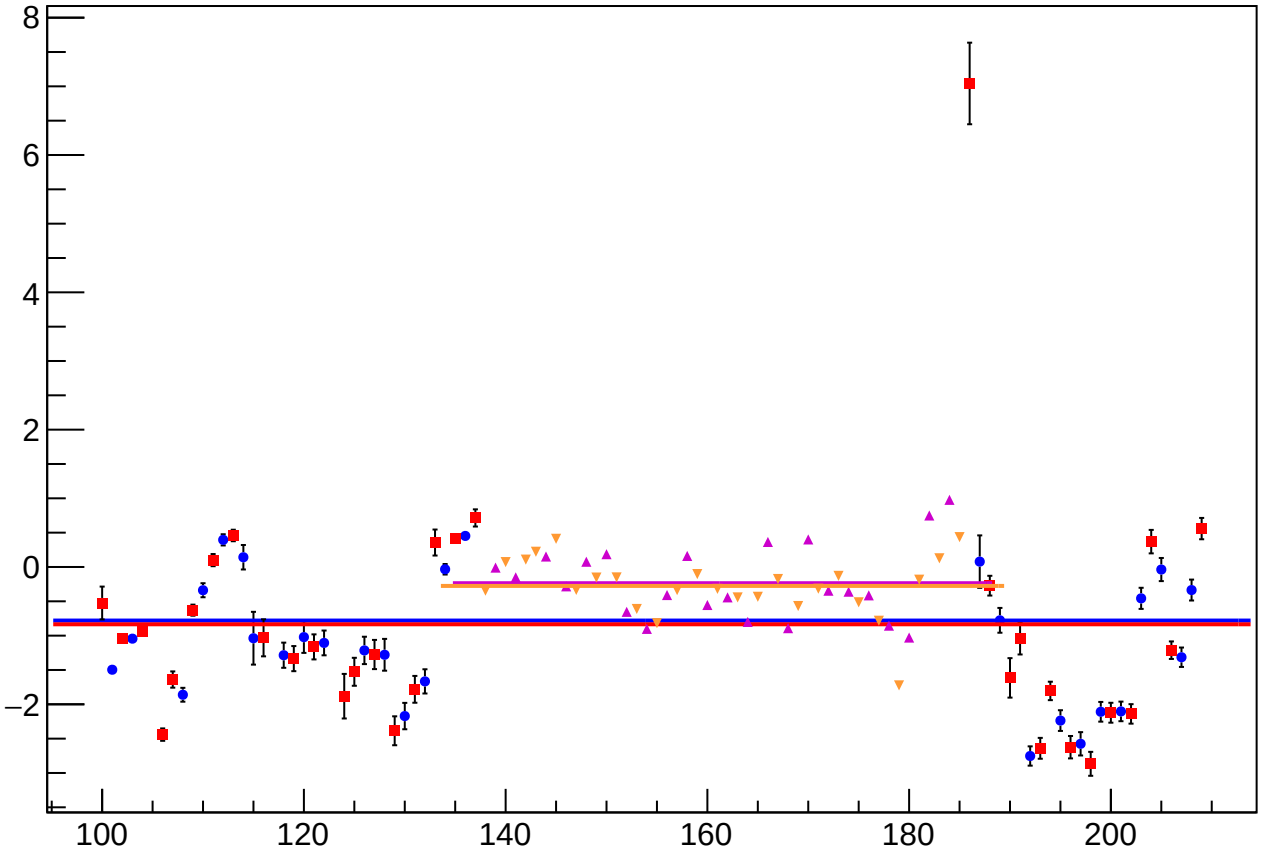
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.705+/-0.183 χ^2/NDF: 16560.0/51

All: 110.907+/-0.131 χ^2/NDF: 30848.1/106

- sign 110.075+/-0.187 χ^2/NDF: 14249.4/54

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.780+/-0.023 χ^2/NDF: 1789.7/26

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.835+/-0.022 χ^2/NDF: 2316.7/31

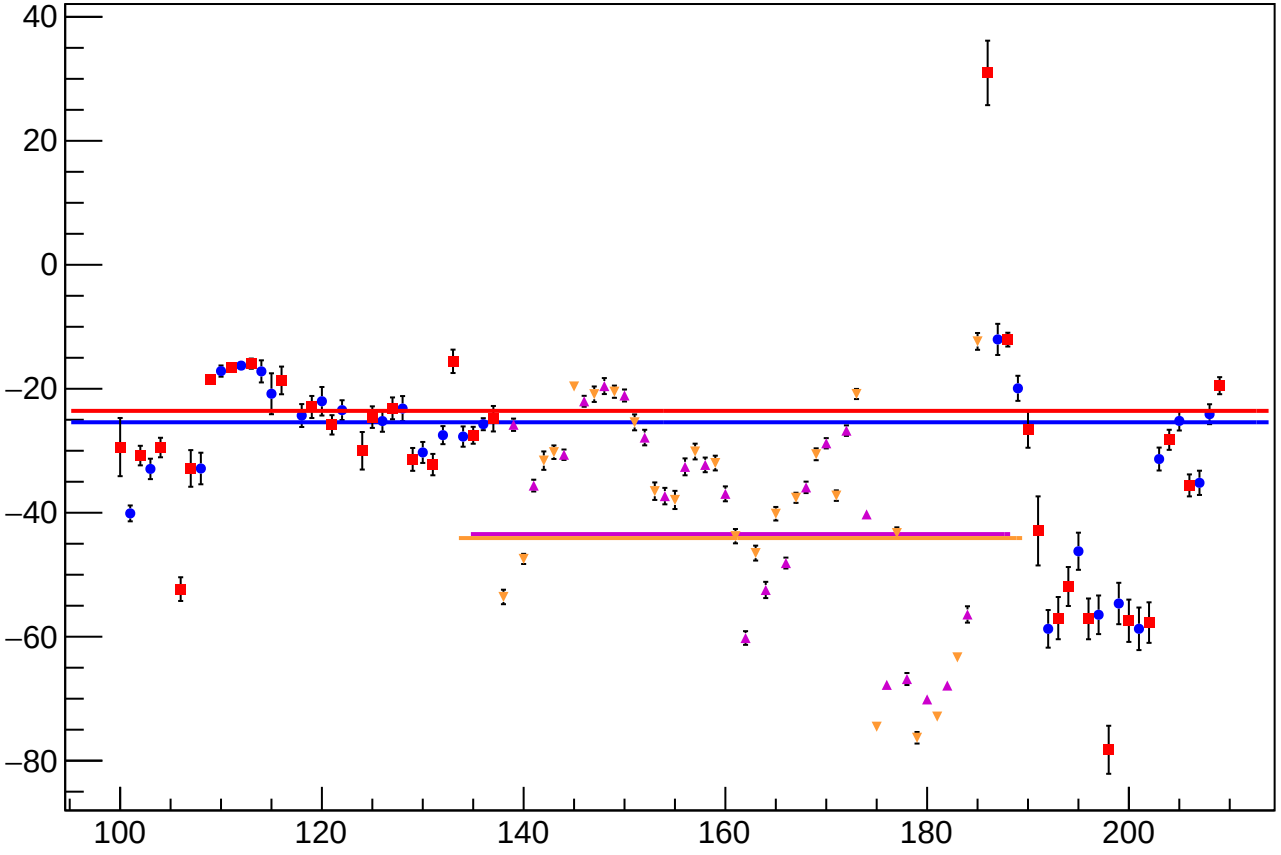
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.344+/-0.008 χ^2/NDF: 4338.6/51

All: -0.335+/-0.006 χ^2/NDF: 10247.0/106

- sign -0.325+/-0.008 χ^2/NDF: 5905.9/54

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.404+/-0.309 χ^2/NDF: 943.7/26

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.566+/-0.284 χ^2/NDF: 1547.2/31

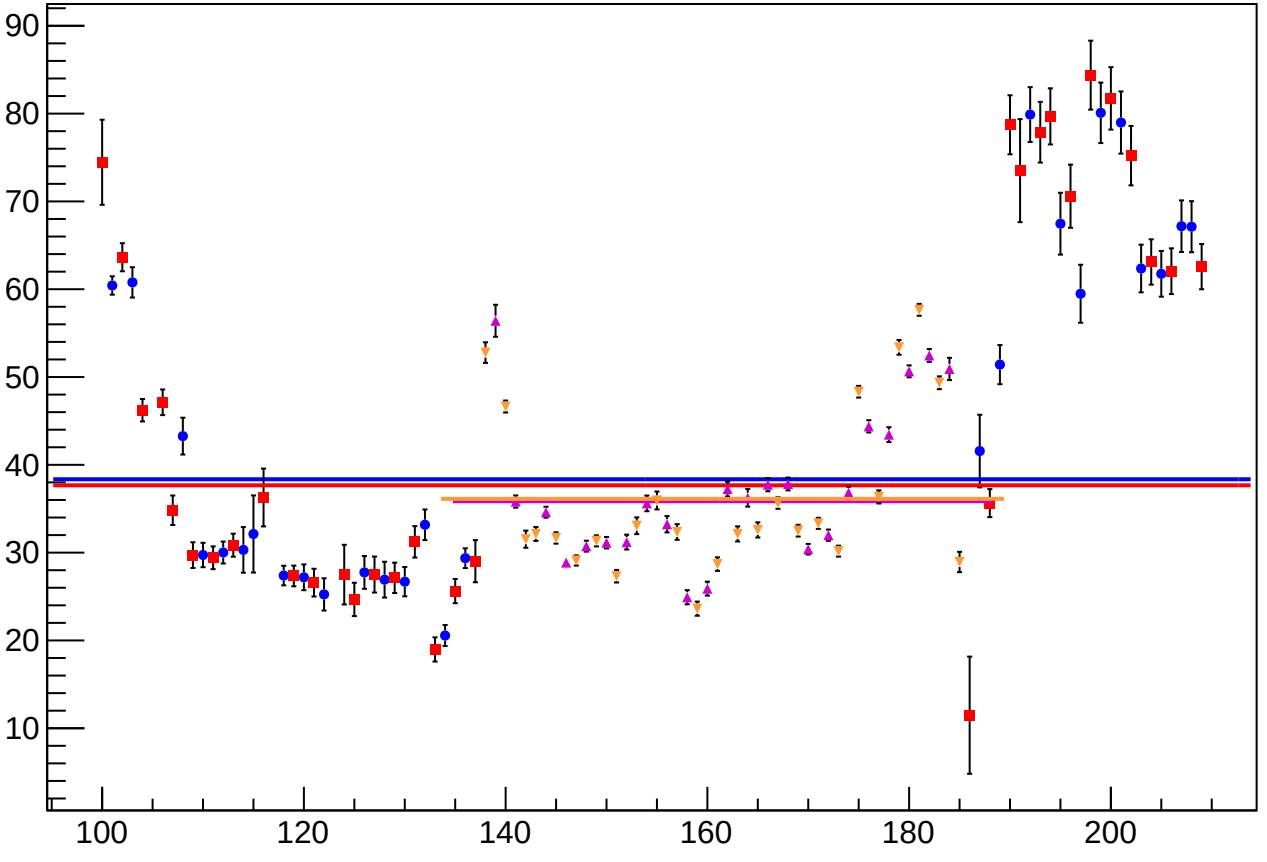
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -38.832+/-0.164 χ^2/NDF: 13918.9/51

All: -37.865+/-0.115 χ^2/NDF: 26646.3/106

- sign -36.908+/-0.163 χ^2/NDF: 12657.9/54

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 38.356+/-0.347 χ^2/NDF: 2277.6/26

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 37.668+/-0.340 χ^2/NDF: 2329.4/31

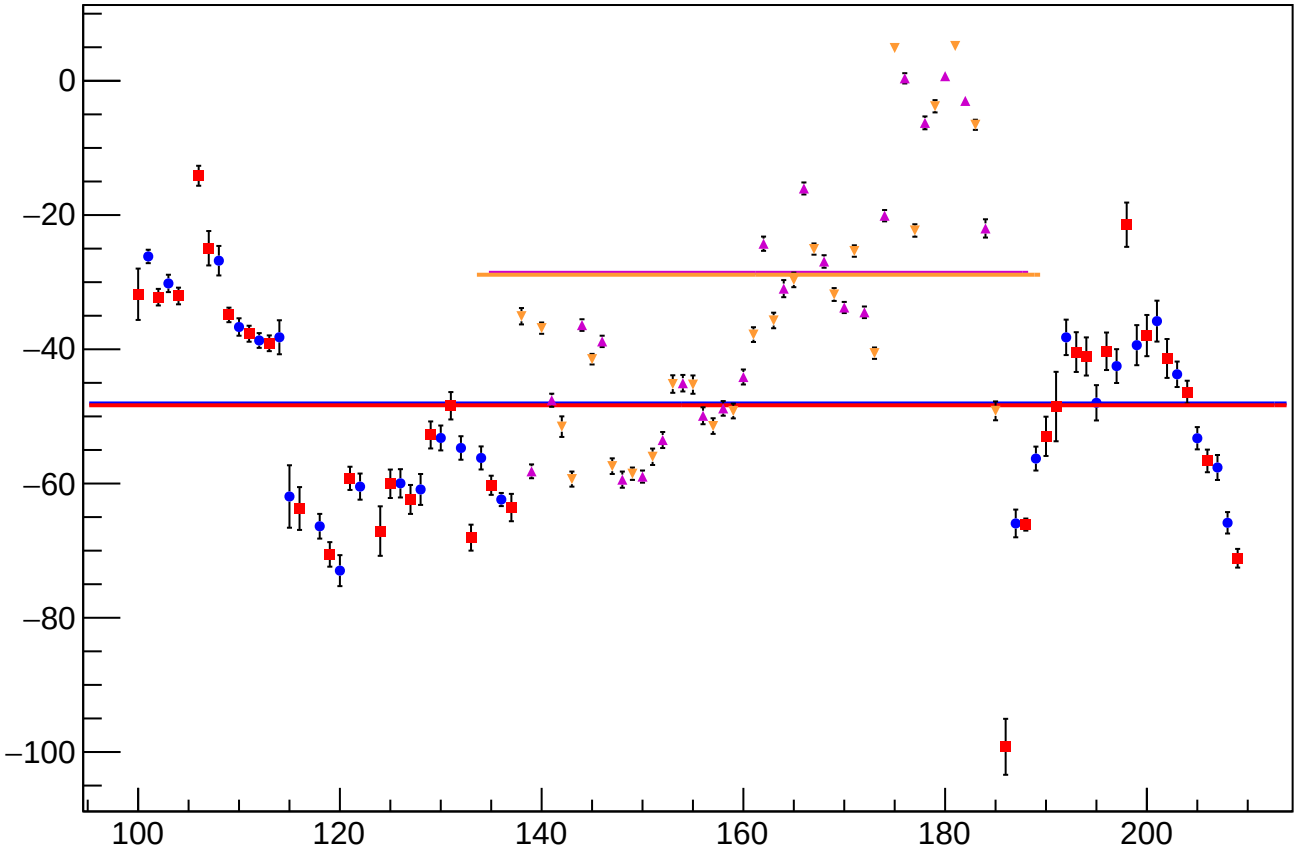
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.475+/-0.138 χ^2/NDF: 5871.1/51

All: 36.324+/-0.098 χ^2/NDF: 10520.2/106

- sign 36.165+/-0.141 χ^2/NDF: 4646.6/54

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -48.072+/-0.331 χ^2/NDF: 1818.6/26

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -48.337+/-0.311 χ^2/NDF: 2752.4/31

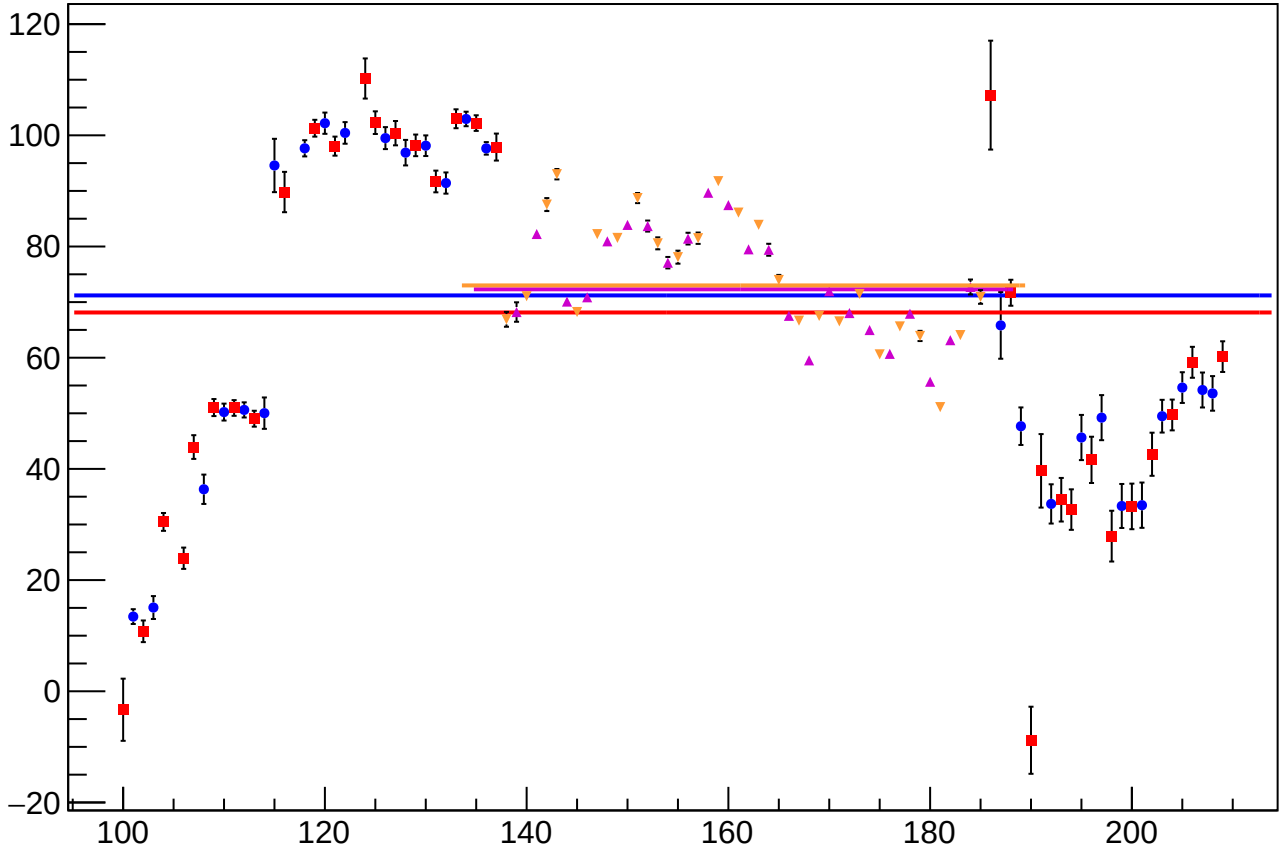
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -33.745+/-0.167 χ^2/NDF: 16122.5/51

All: -34.014+/-0.118 χ^2/NDF: 31760.1/106

- sign -34.284+/-0.167 χ^2/NDF: 15632.3/54

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.204+/-0.396 χ^2/NDF: 6469.3/26

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.134+/-0.391 χ^2/NDF: 6354.3/31

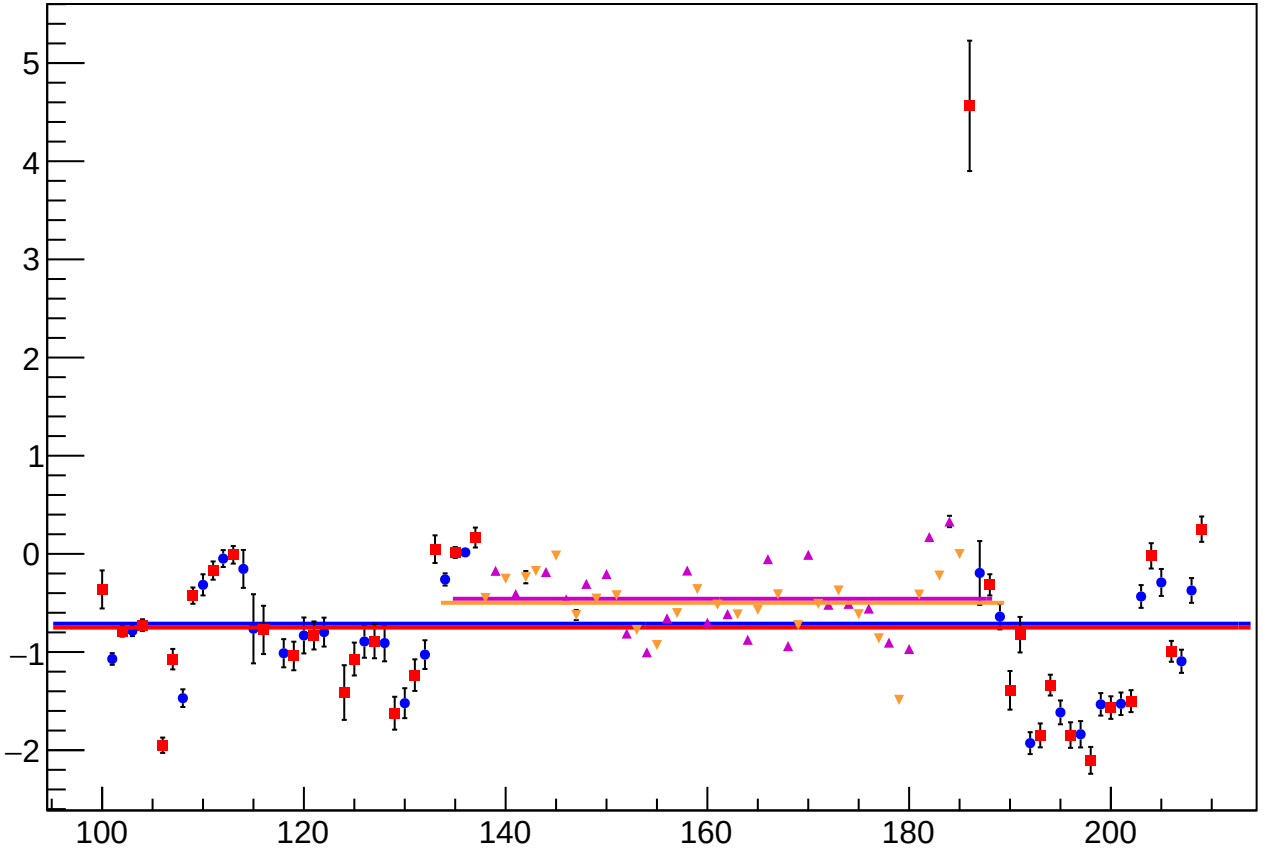
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.727+/-0.155 χ^2/NDF: 10539.1/51

All: 72.185+/-0.111 χ^2/NDF: 19925.7/106

- sign 71.619+/-0.159 χ^2/NDF: 9361.6/54

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.711+/-0.019 χ^2/NDF: 919.7/26

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.751+/-0.019 χ^2/NDF: 1290.1/31

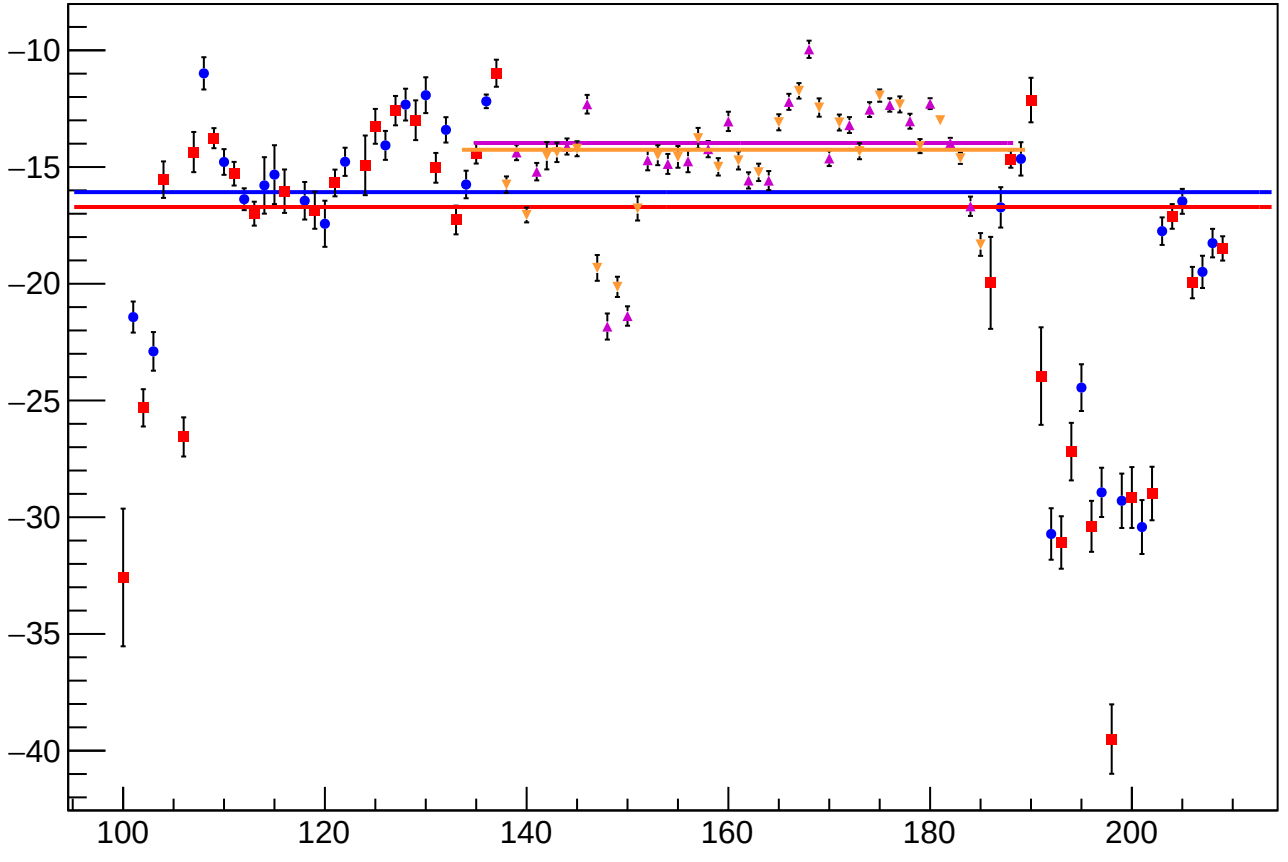
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.526+/-0.007 χ^2/NDF: 2509.3/51

All: -0.513+/-0.005 χ^2/NDF: 6117.5/106

- sign -0.499+/-0.007 χ^2/NDF: 3600.7/54

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.075+/-0.126 χ^2/NDF: 1200.2/26

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.712+/-0.122 χ^2/NDF: 1507.0/31

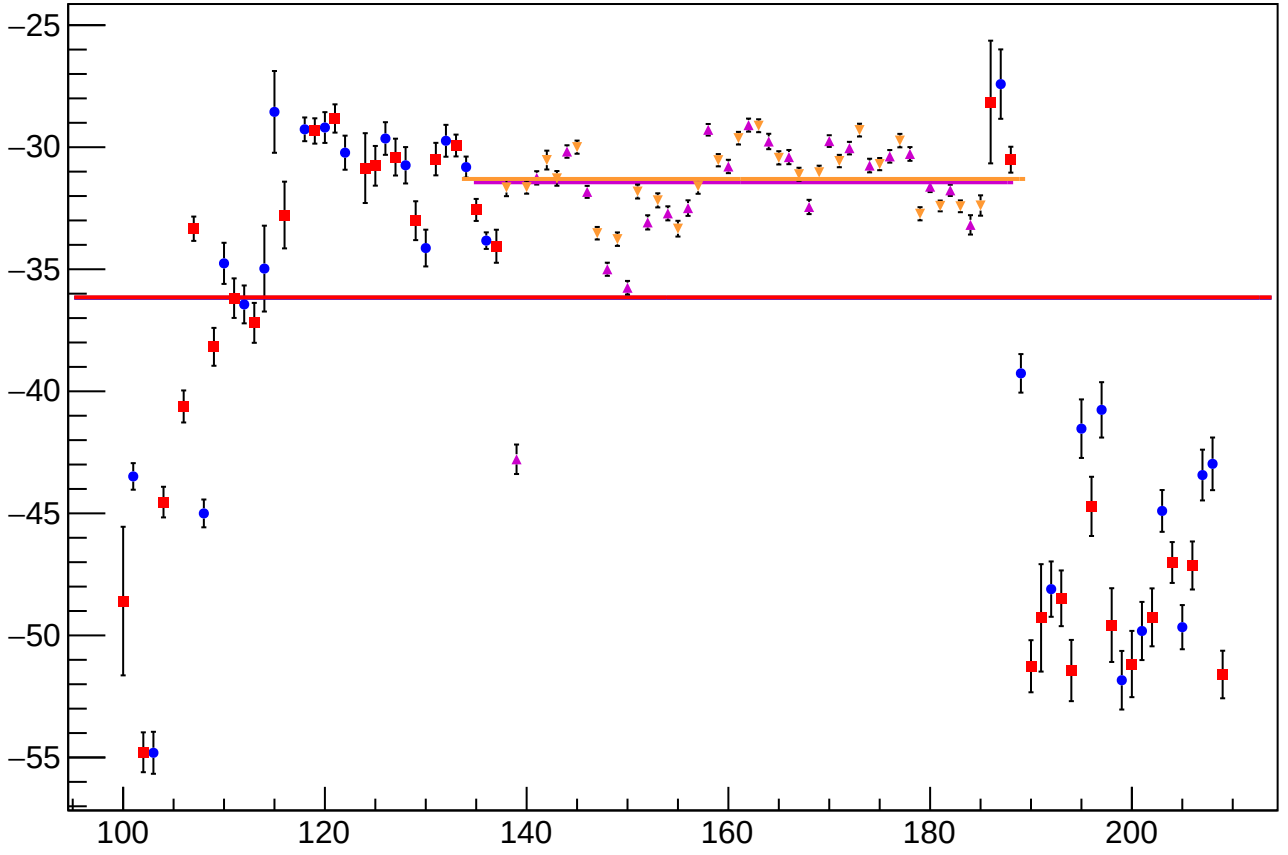
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.688+/-0.061 χ^2/NDF: 2083.8/51

All: -14.682+/-0.043 χ^2/NDF: 4872.8/106

- sign -14.675+/-0.062 χ^2/NDF: 2788.9/54

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.168+/-0.138 χ^2/NDF: 2682.8/26

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.150+/-0.136 χ^2/NDF: 3153.7/31

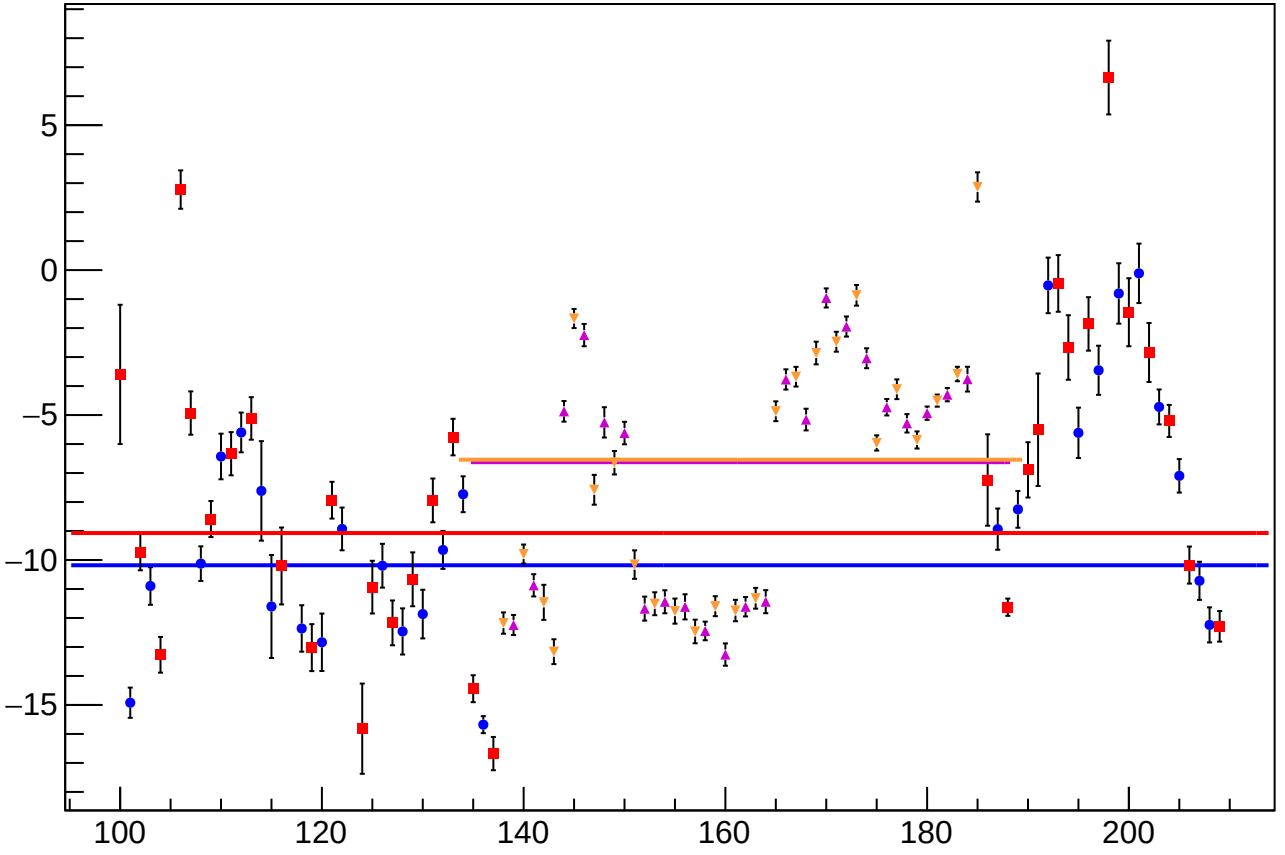
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.975+/-0.051 χ^2/NDF: 4311.4/51

All: -32.059+/-0.037 χ^2/NDF: 9707.8/106

- sign -32.148+/-0.053 χ^2/NDF: 5390.8/54

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.181+/-0.129 χ^2/NDF: 1056.1/26

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

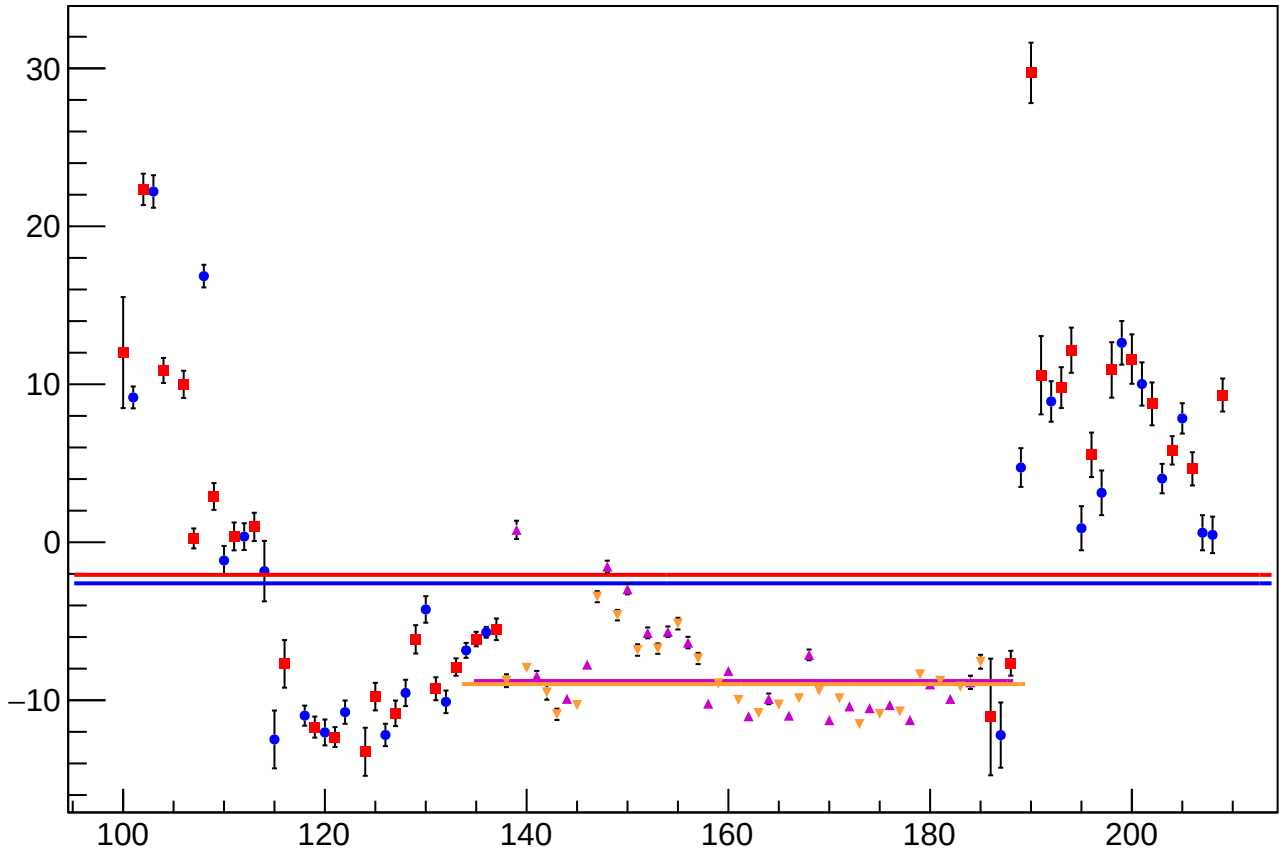
Right Out: -9.069+/-0.125 χ^2/NDF: 1432.6/31

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.358+/-0.061 χ^2/NDF: 4915.0/51

All: -7.295+/-0.044 χ^2/NDF: 9547.3/106

- sign -7.230+/-0.062 χ^2/NDF: 4630.1/54



Right In: -2.599+/-0.156 χ^2/NDF: 3159.2/26

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.062+/-0.157 χ^2/NDF: 3226.0/31

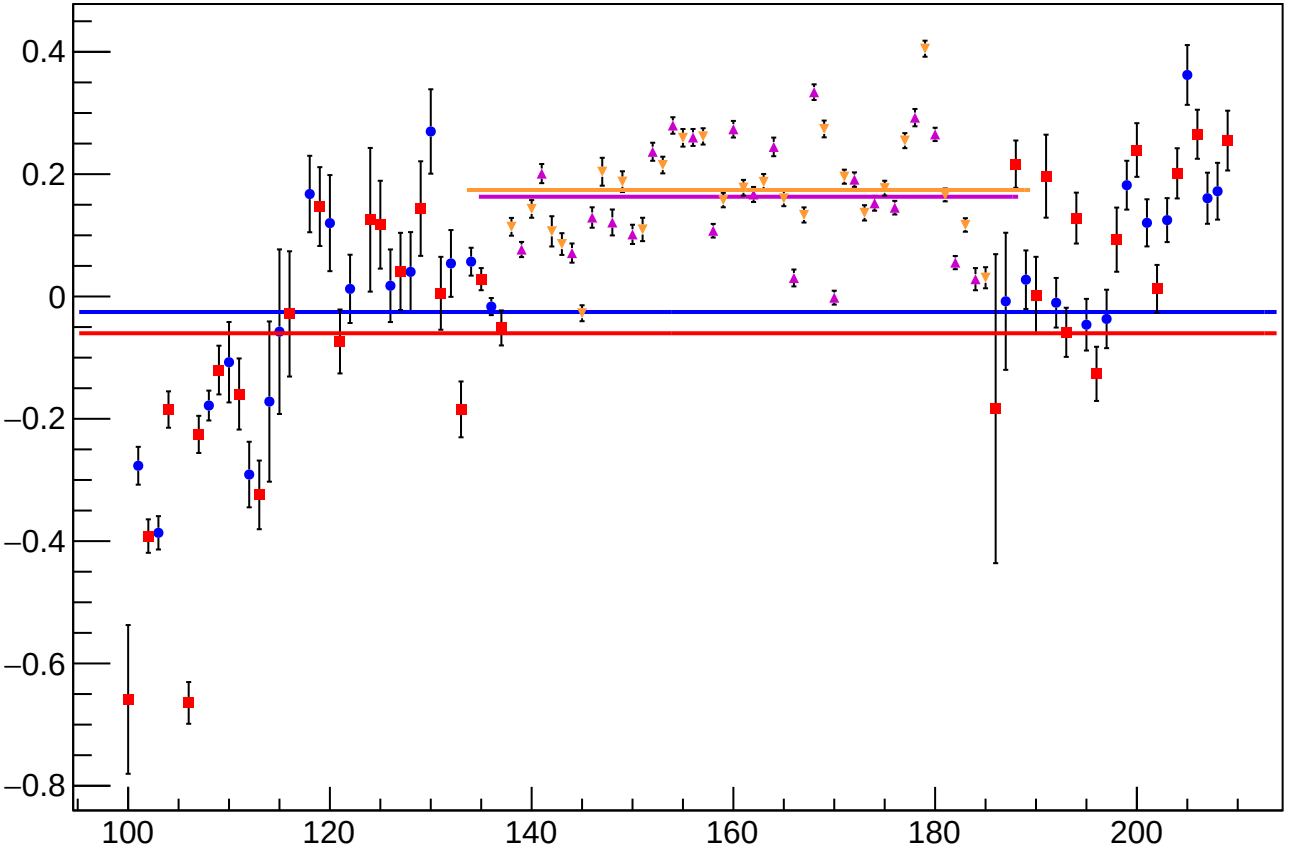
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.119+/-0.057 χ^2/NDF: 5581.5/51

All: -7.987+/-0.041 χ^2/NDF: 12071.6/106

- sign -7.847+/-0.059 χ^2/NDF: 6479.2/54

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.025+/-0.007 χ^2/NDF: 518.2/26

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.060+/-0.007 χ^2/NDF: 916.7/31

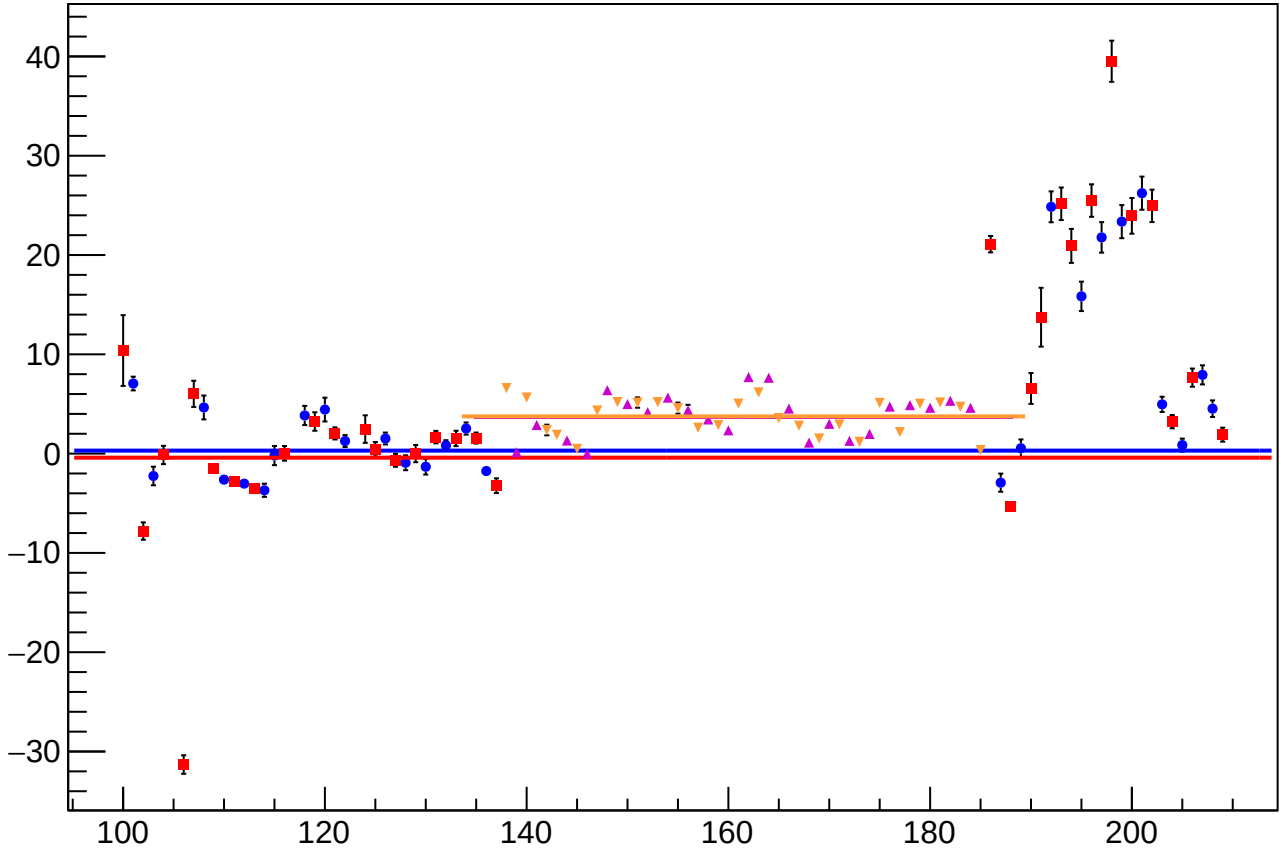
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2112.4/51

All: 0.143+/-0.002 χ^2/NDF: 5032.7/106

- sign 0.136+/-0.003 χ^2/NDF: 2906.6/54

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.302+/-0.124 χ^2/NDF: 1582.3/26

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.407+/-0.116 χ^2/NDF: 3852.2/31

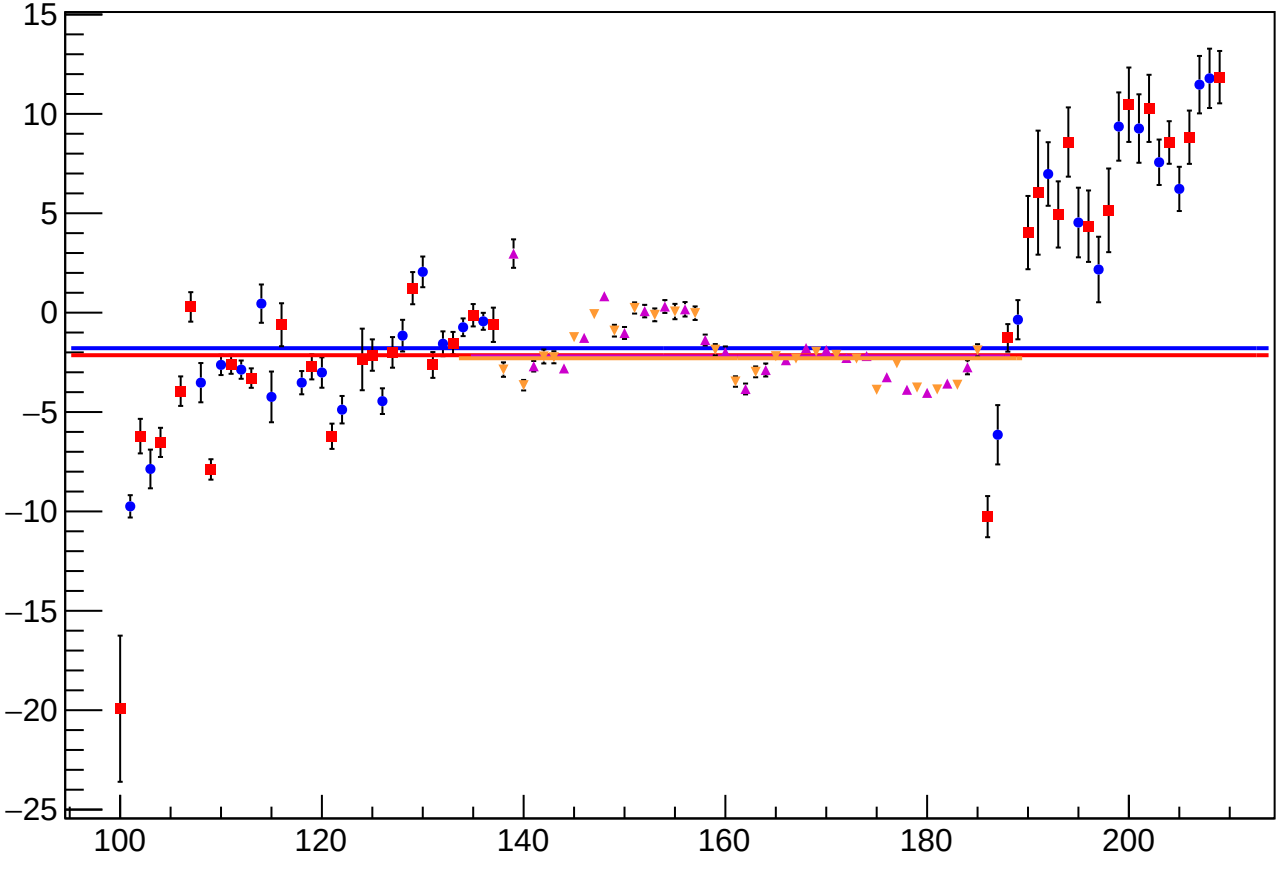
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.064+/-0.055 χ^2/NDF: 3007.6/51

All: 2.901+/-0.039 χ^2/NDF: 8786.7/106

- sign 2.735+/-0.056 χ^2/NDF: 5761.6/54

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.788+/-0.146 χ^2/NDF: 777.8/26

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.141+/-0.145 χ^2/NDF: 849.5/31

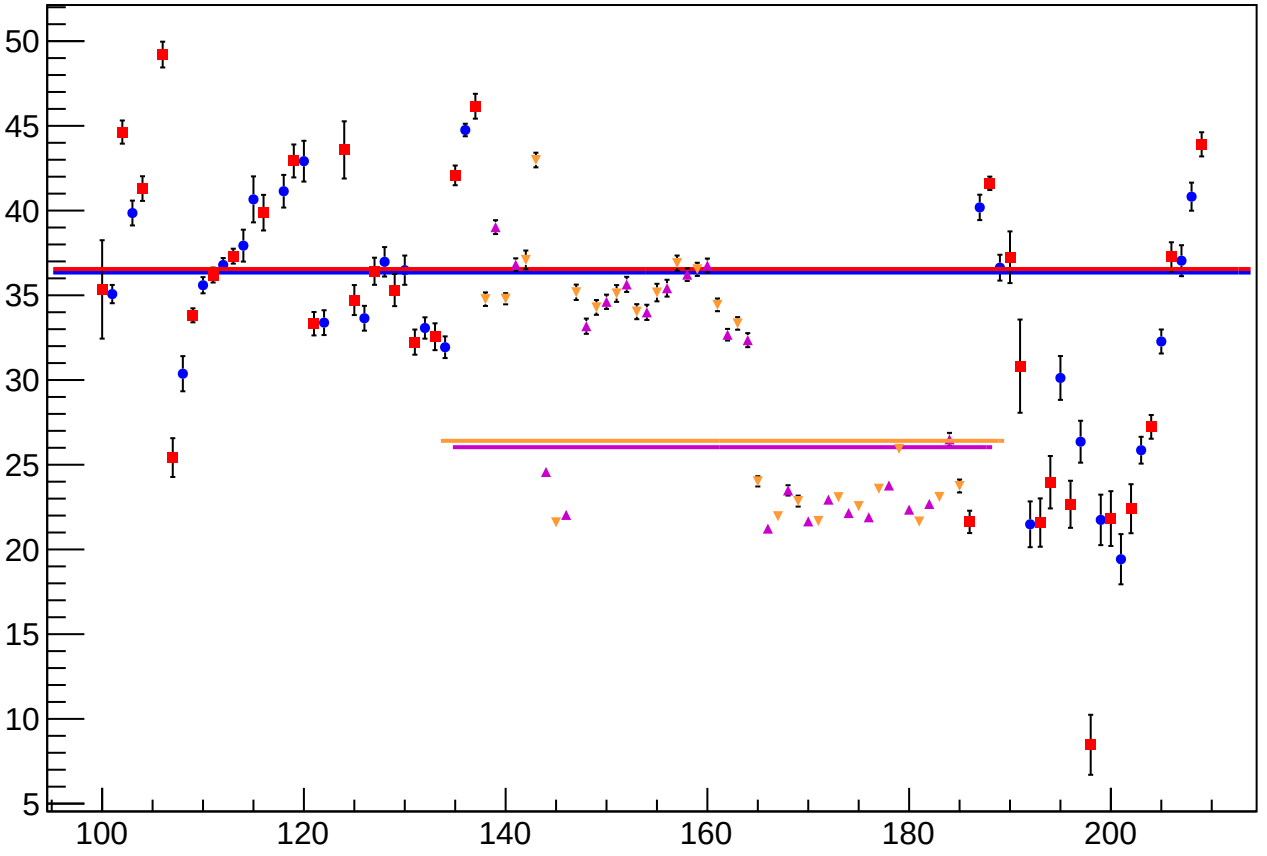
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.242+/-0.047 χ^2/NDF: 1420.0/51

All: -2.220+/-0.034 χ^2/NDF: 2994.8/106

- sign -2.197+/-0.048 χ^2/NDF: 1574.4/54

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.343+/-0.140 χ^2/NDF: 1454.7/26

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.550+/-0.133 χ^2/NDF: 2689.1/31

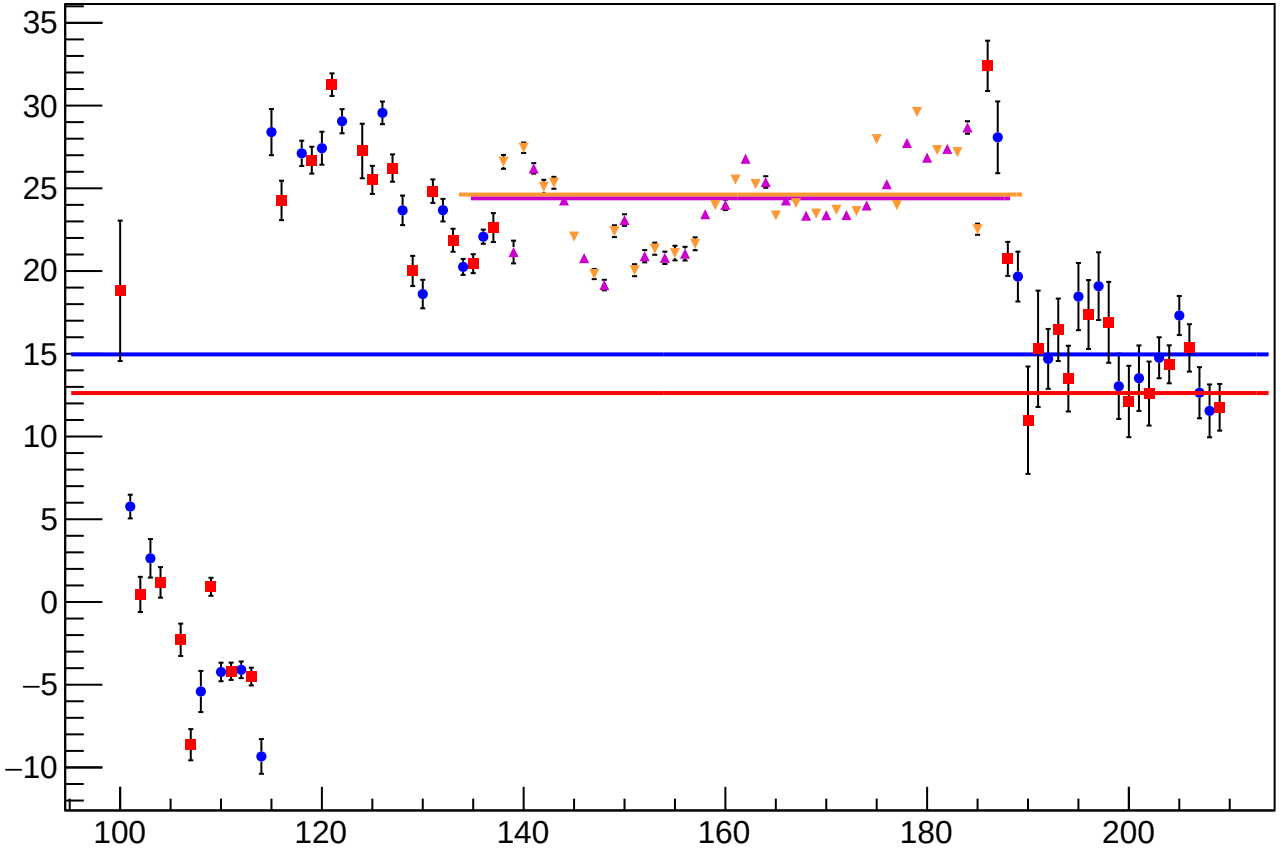
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.055+/-0.057 χ^2/NDF: 14887.8/51

All: 28.031+/-0.040 χ^2/NDF: 30497.8/106

- sign 28.006+/-0.058 χ^2/NDF: 15609.7/54

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.963+/-0.164 χ^2/NDF: 5752.7/26

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.627+/-0.165 χ^2/NDF: 6371.0/31

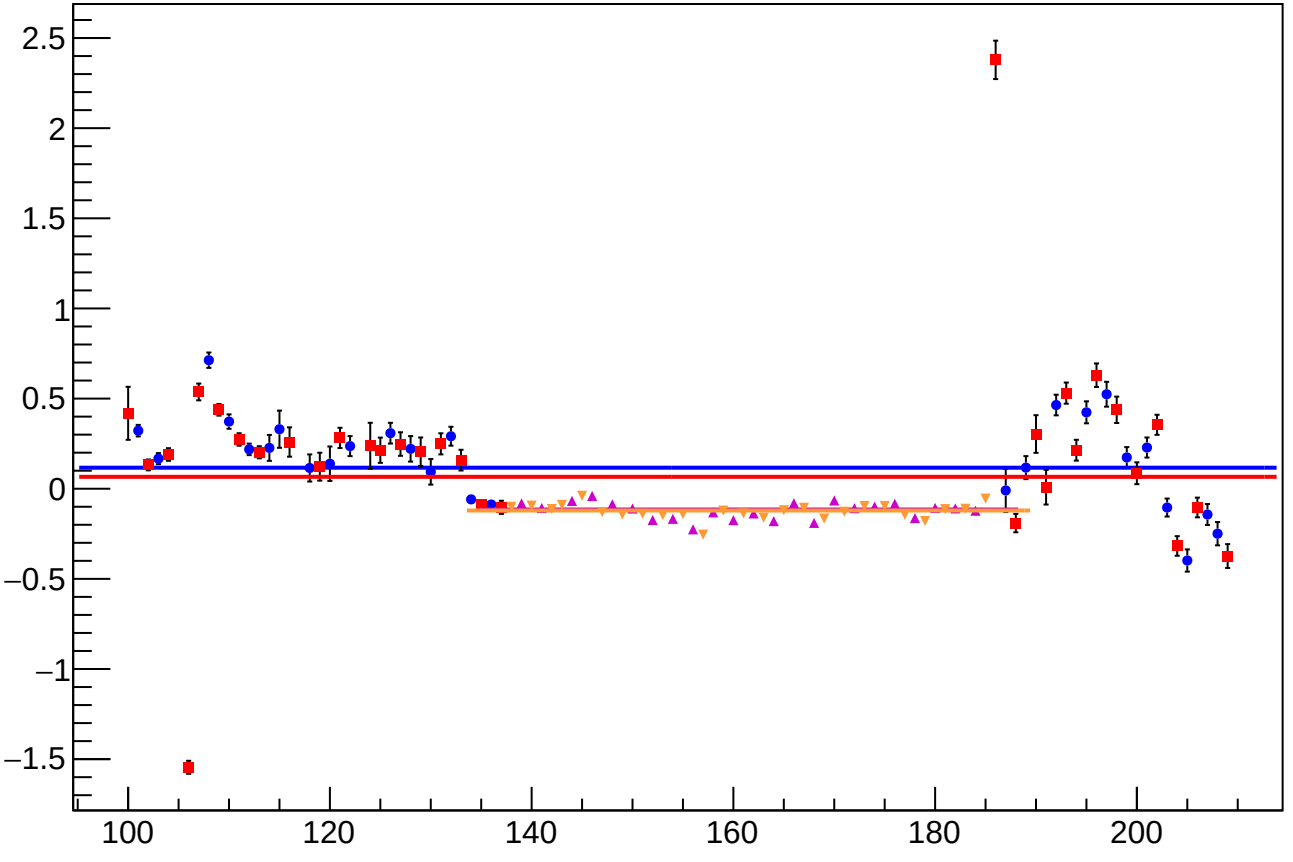
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.641+/-0.052 χ^2/NDF: 10823.2/51

All: 23.408+/-0.037 χ^2/NDF: 23502.5/106

- sign 23.165+/-0.053 χ^2/NDF: 12638.7/54

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.117+/-0.008 χ^2/NDF: 765.1/26

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.066+/-0.009 χ^2/NDF: 3226.5/31

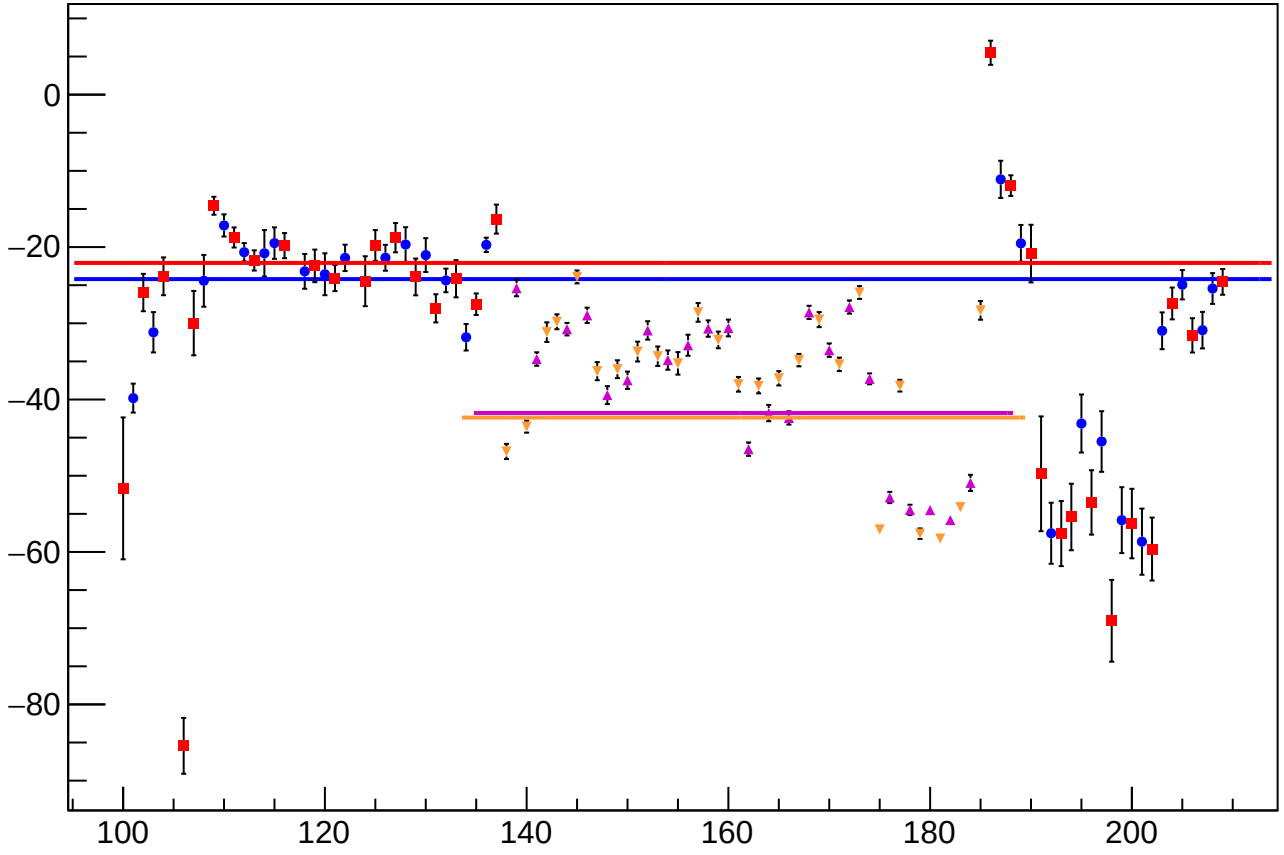
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.102+/-0.002 χ^2/NDF: 1766.0/51

All: -0.101+/-0.002 χ^2/NDF: 5696.9/106

\- sign -0.101+/-0.002 χ^2/NDF: 3930.8/54

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -24.201+/-0.384 χ^2/NDF: 454.8/26

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -22.078+/-0.368 χ^2/NDF: 1202.2/31

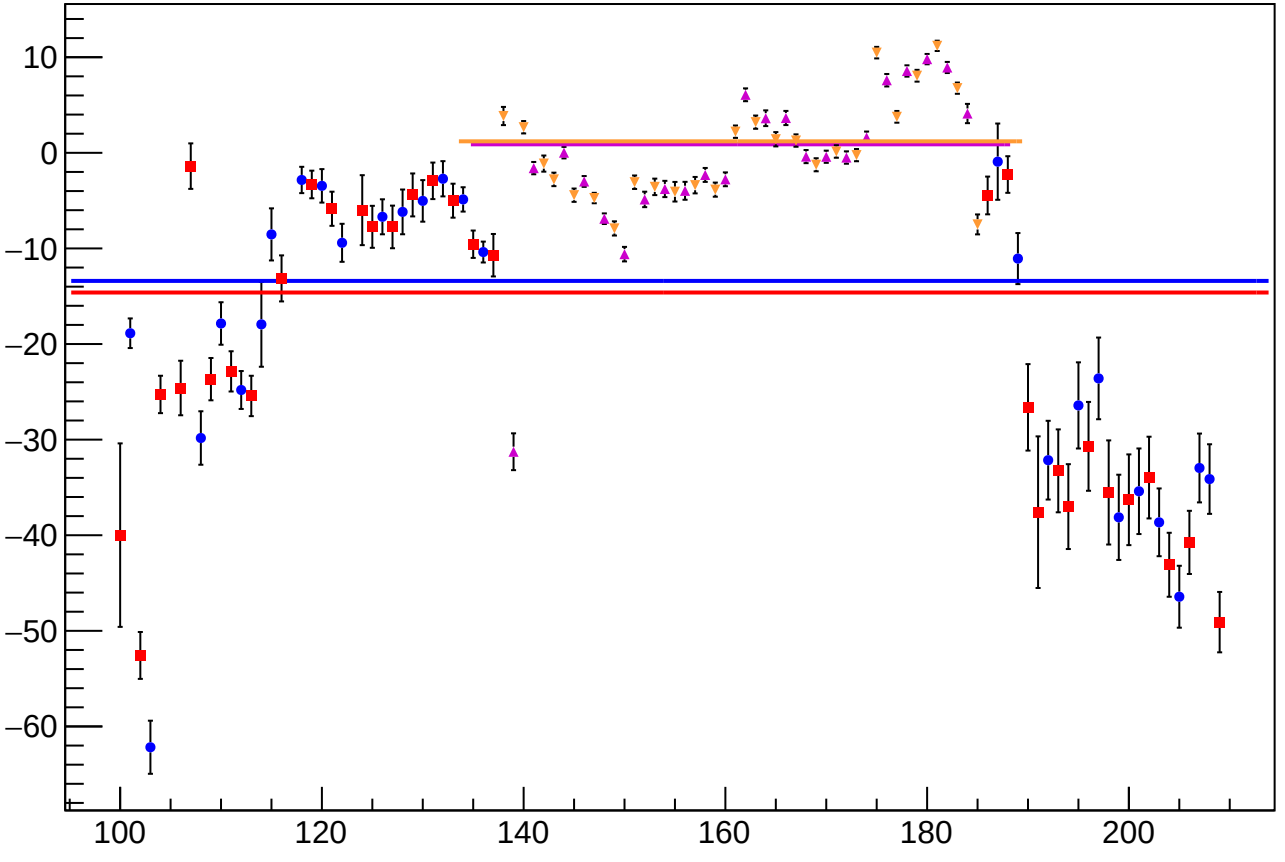
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.230+/-0.159 χ^2/NDF: 6787.6/51

All: -38.581+/-0.114 χ^2/NDF: 13785.2/106

- sign -37.902+/-0.163 χ^2/NDF: 6963.6/54

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -13.398+/-0.420 χ^2/NDF: 932.9/26

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -14.612+/-0.427 χ^2/NDF: 1040.7/31

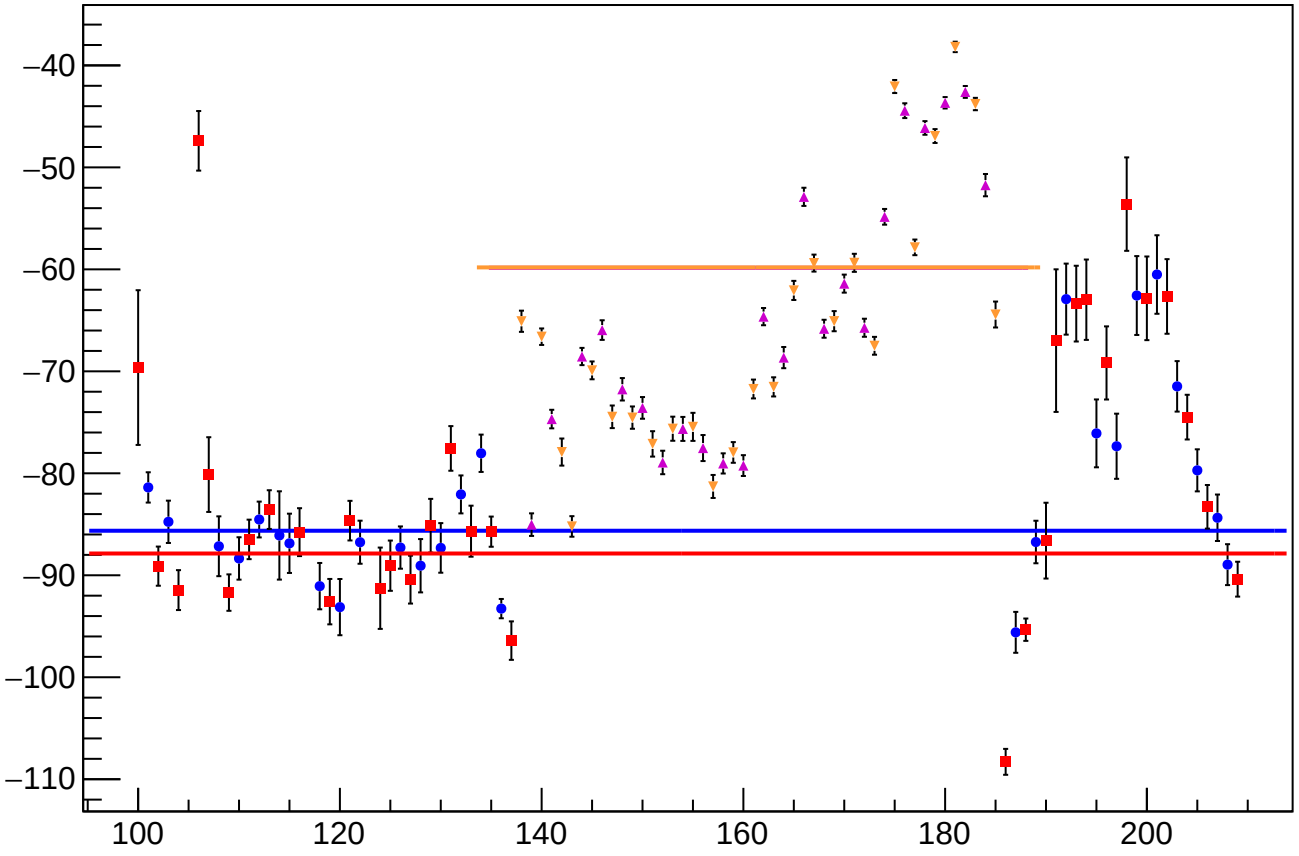
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.220+/-0.131 χ^2/NDF: 3485.4/51

All: -0.438+/-0.094 χ^2/NDF: 7479.4/106

- sign -0.671+/-0.136 χ^2/NDF: 3988.3/54

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -85.633+/-0.406 χ^2/NDF: 317.7/26

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

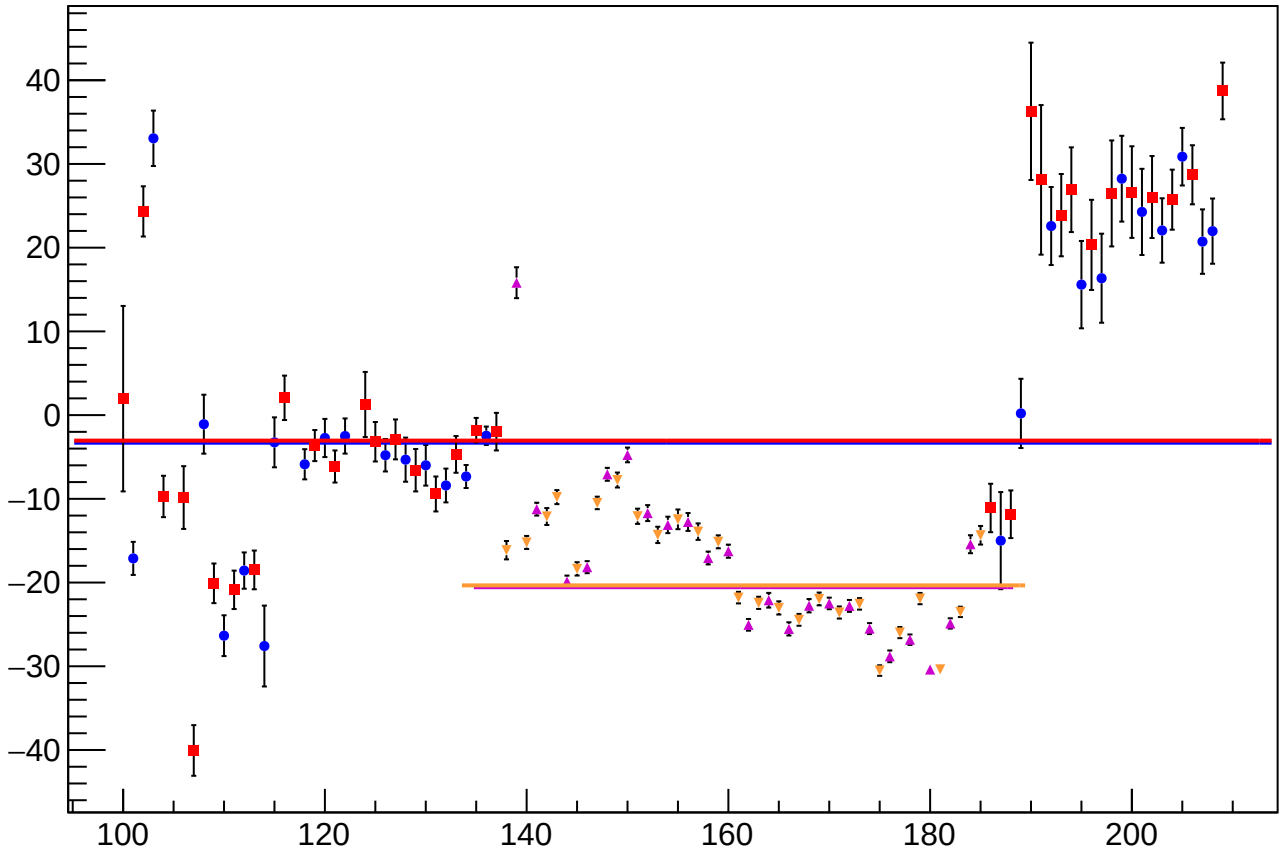
Right Out: -87.865+/-0.389 χ^2/NDF: 882.2/31

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.859+/-0.161 χ^2/NDF: 10366.1/51

All: -64.341+/-0.115 χ^2/NDF: 21069.9/106

- sign -64.841+/-0.164 χ^2/NDF: 10685.5/54



Right In: -3.294+/-0.474 χ^2/NDF: 706.7/26

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -3.047+/-0.492 χ^2/NDF: 941.6/31

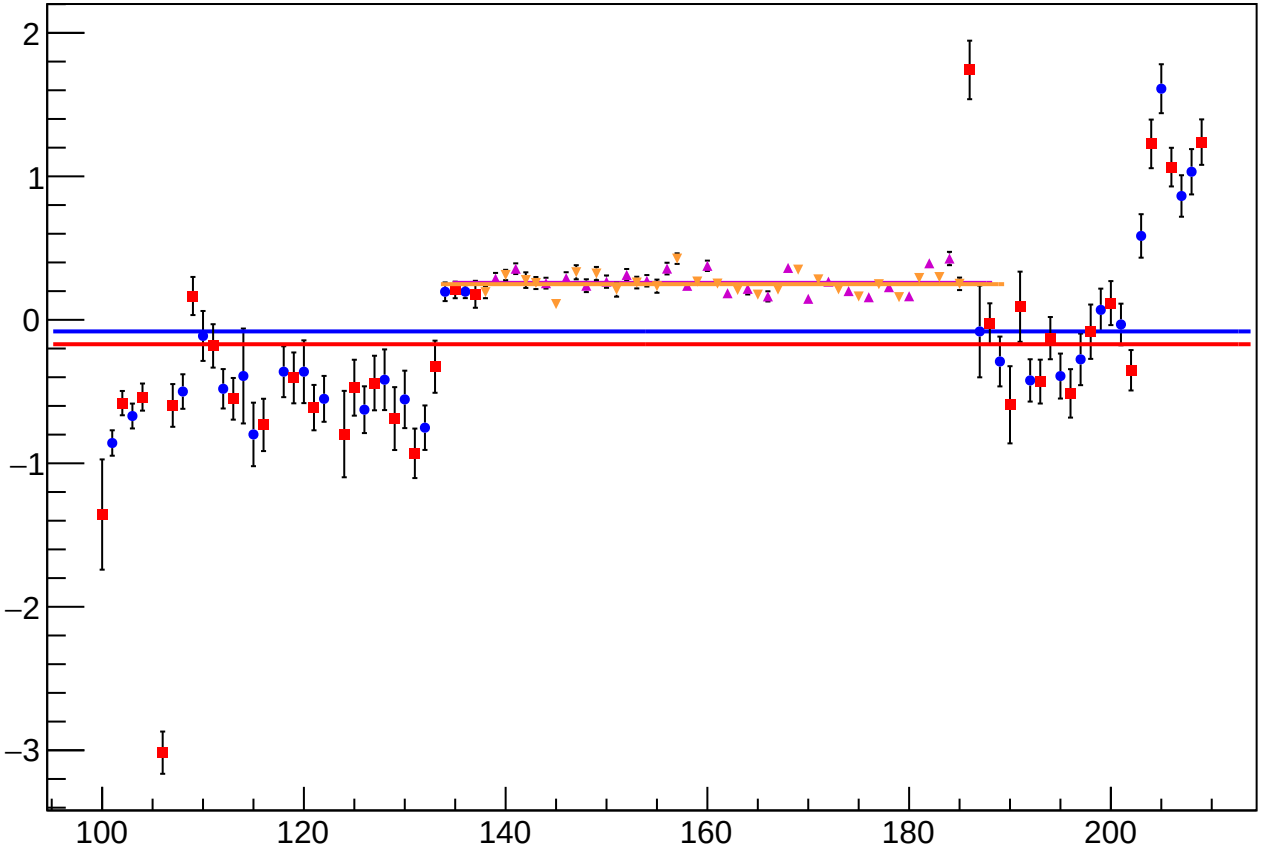
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

\+ sign -18.702+/-0.147 χ^2/NDF: 3575.2/51

All: -18.791+/-0.106 χ^2/NDF: 7859.0/106

\- sign -18.886+/-0.152 χ^2/NDF: 4283.1/54

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.081+/-0.023 χ^2/NDF: 485.3/26

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.170+/-0.025 χ^2/NDF: 889.8/31

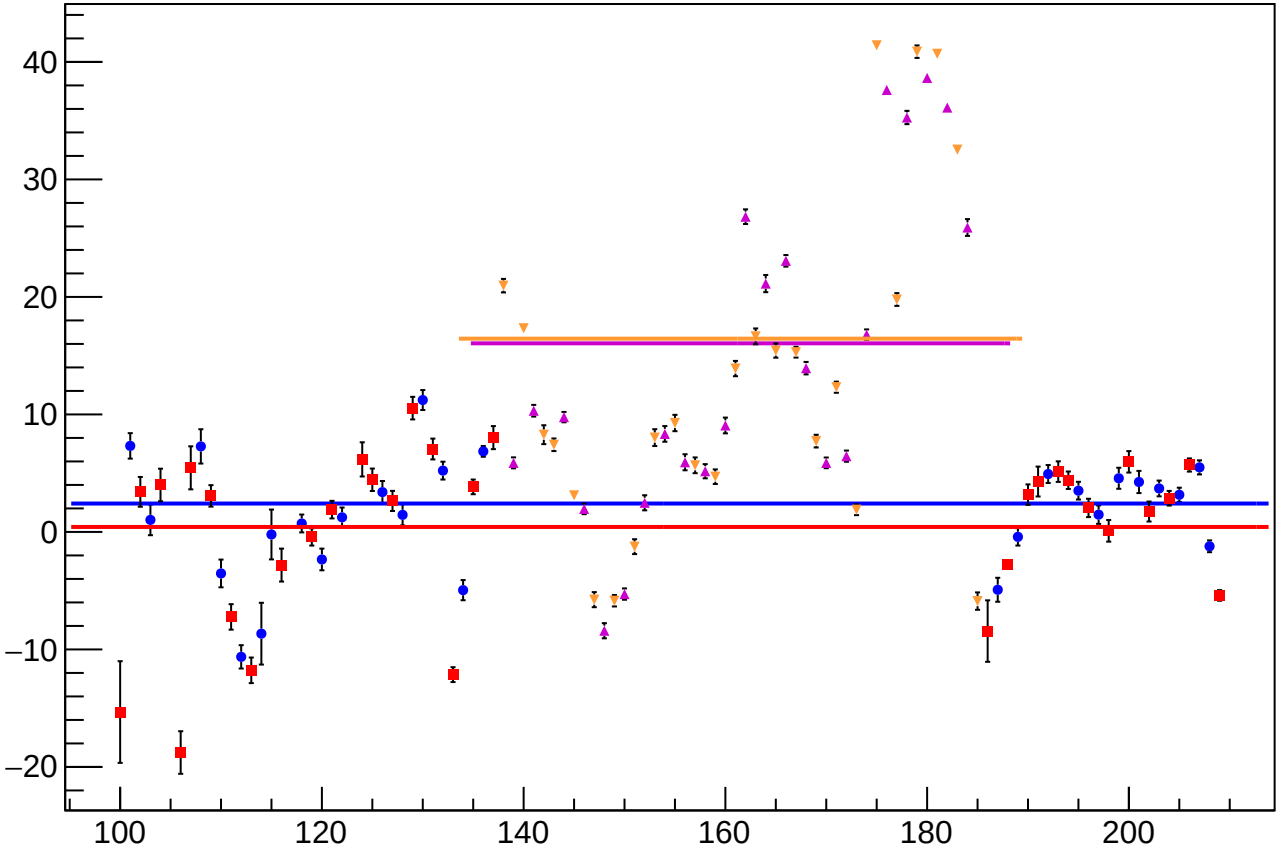
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.222+/-0.007 χ^2/NDF: 759.4/51

All: 0.223+/-0.005 χ^2/NDF: 2060.9/106

- sign 0.225+/-0.007 χ^2/NDF: 1301.4/54

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.417+/-0.155 χ^2/NDF: 747.9/26

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

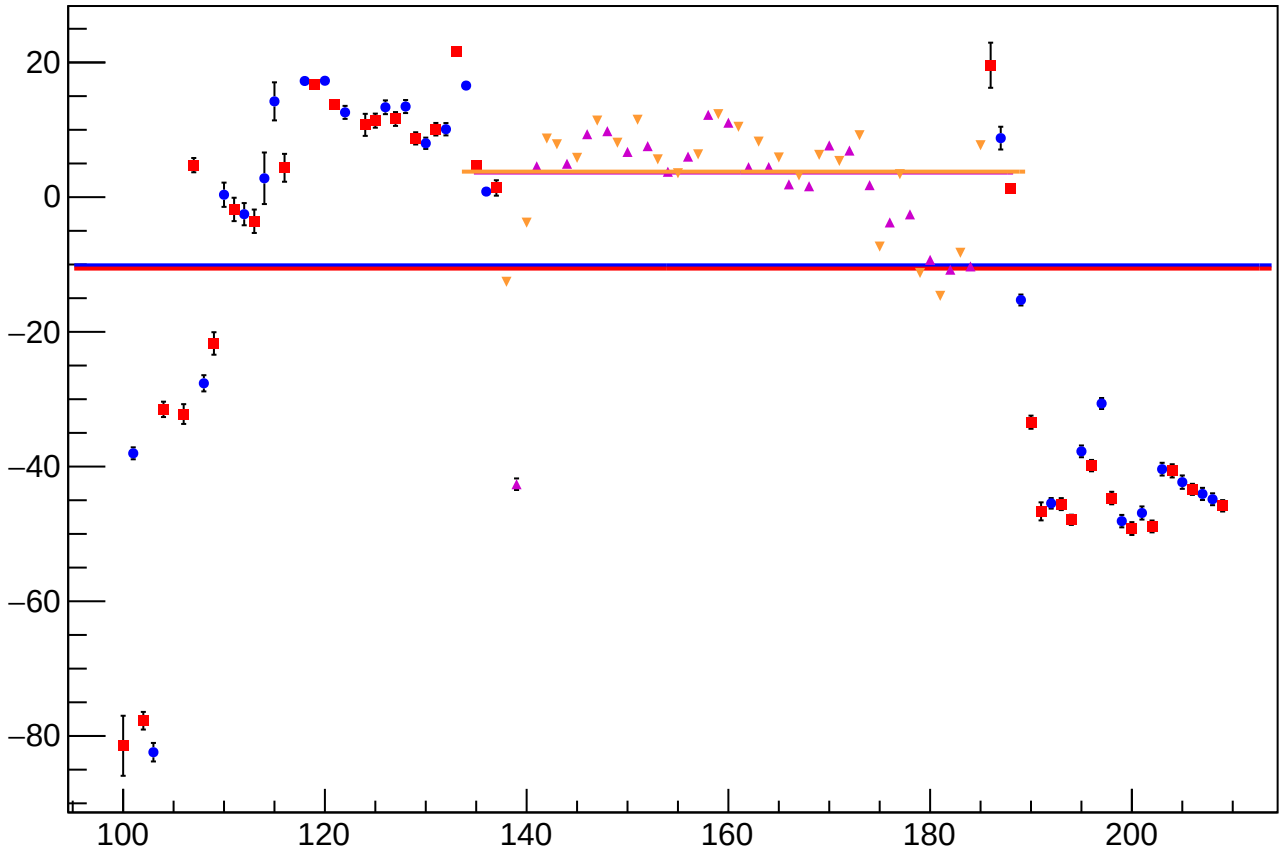
Right Out: 0.423+/-0.144 χ^2/NDF: 1503.4/31

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

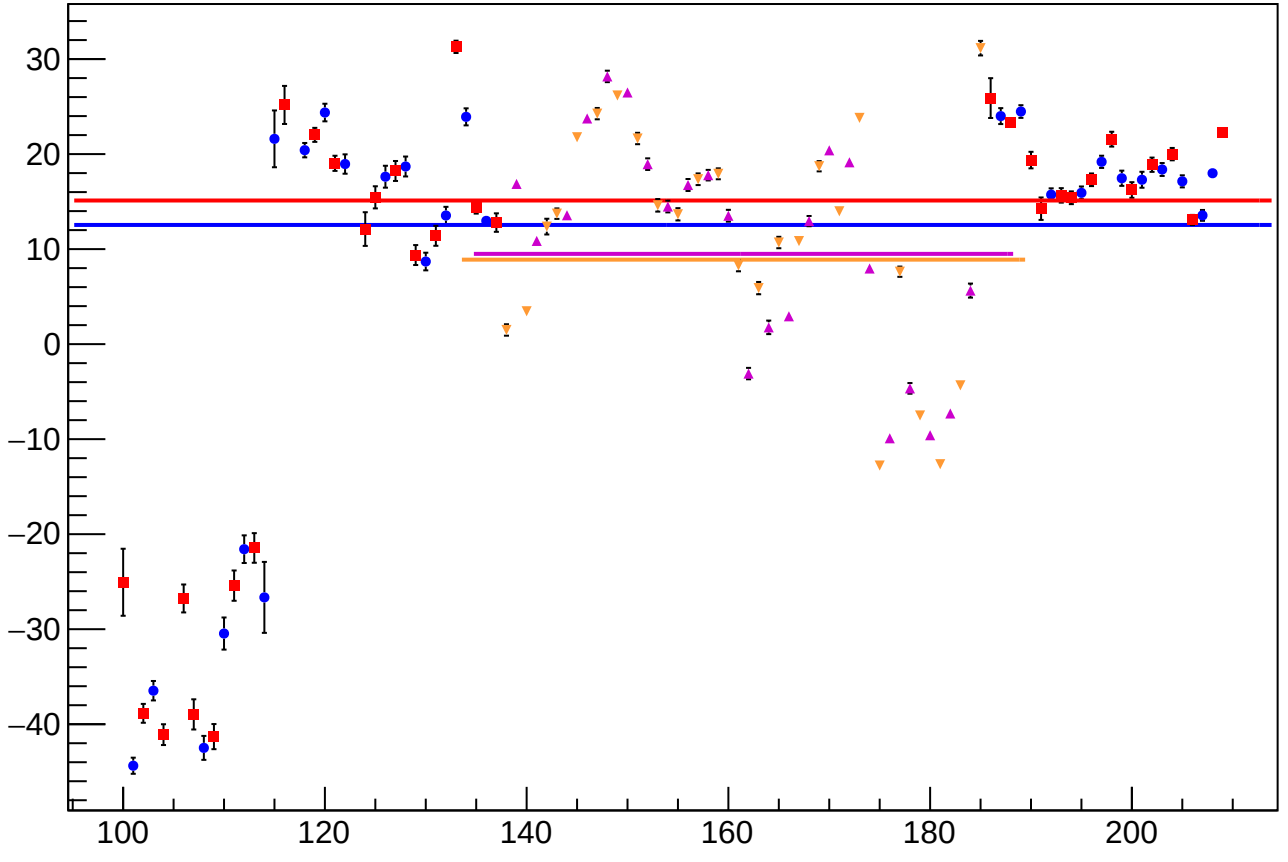
\+ sign 12.076+/-0.086 χ^2/NDF: 27820.5/51

All: 11.260+/-0.061 χ^2/NDF: 54736.8/106

\- sign 10.452+/-0.086 χ^2/NDF: 26738.3/54


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: -10.123+/-0.167 χ²/NDF: 26635.0/26
Left Out: 3.790+/-0.080 χ²/NDF:9100.7/24
Right Out: -10.605+/-0.158 χ²/NDF: 31966.8/31
Left In: 3.649+/-0.083 χ²/NDF:8310.7/22
+ sign 1.187+/-0.072 χ²/NDF: 41382.3/51
All: 0.890+/-0.052 χ²/NDF: 88047.0/106
- sign 0.582+/-0.073 χ²/NDF: 46630.1/54

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.544+/-0.152 χ^2/NDF: 11543.5/26

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 15.117+/-0.139 χ^2/NDF: 12732.0/31

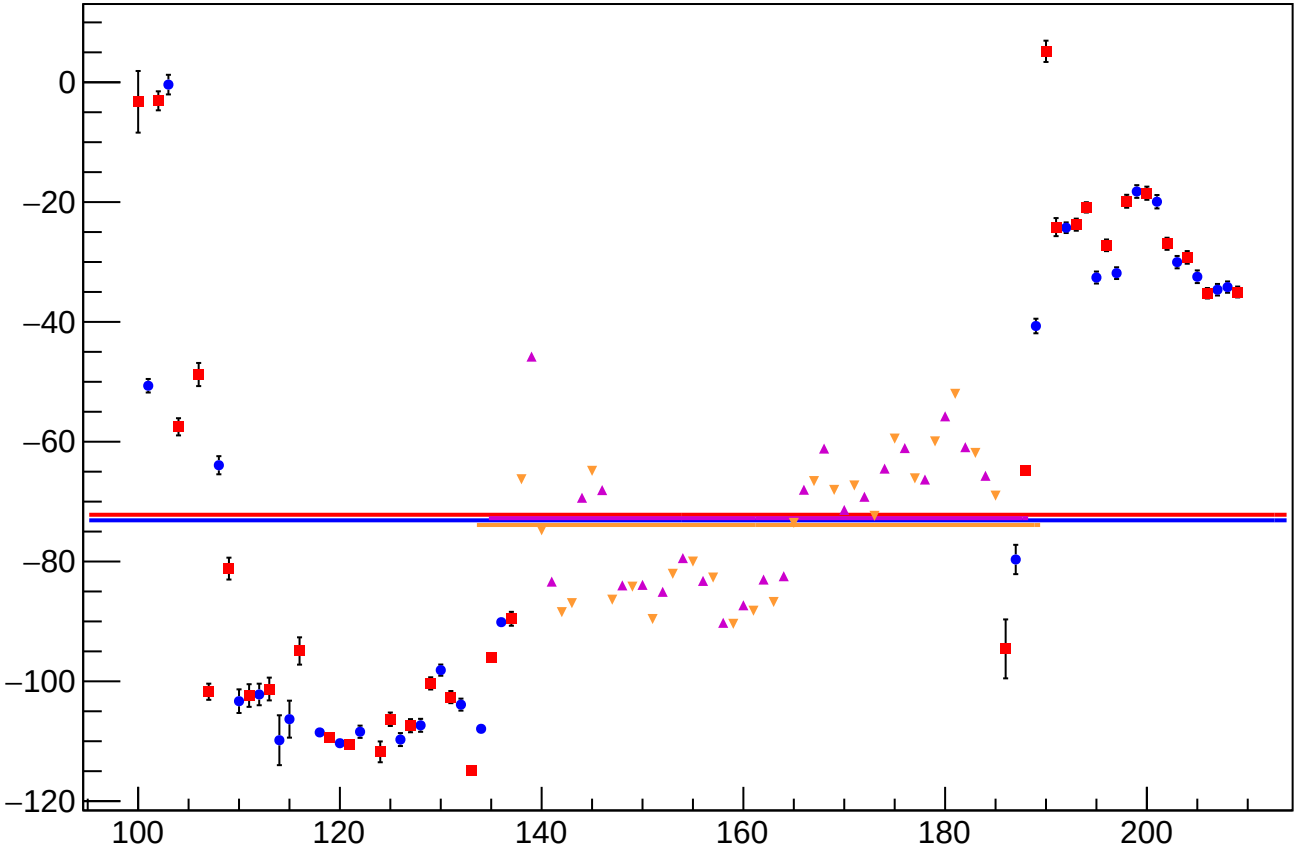
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.048+/-0.086 χ^2/NDF: 27364.2/51

All: 10.829+/-0.060 χ^2/NDF: 54333.8/106

- sign 11.587+/-0.084 χ^2/NDF: 26806.1/54

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -73.124+/-0.193 χ^2/NDF: 35965.0/26

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -72.193+/-0.185 χ^2/NDF: 43694.5/31

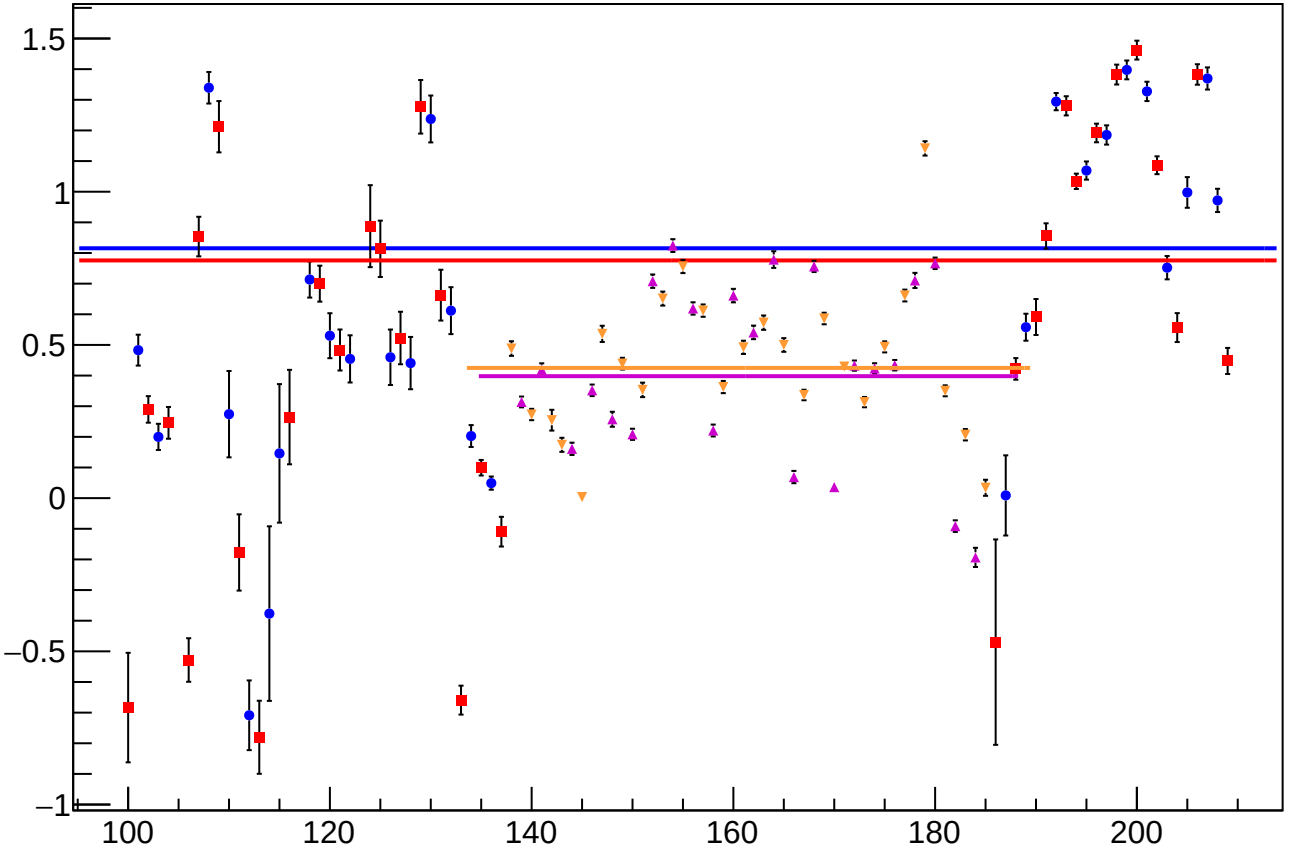
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -73.765+/-0.082 χ^2/NDF: 51545.5/51

All: -73.217+/-0.058 χ^2/NDF: 107951.6/106

- sign -72.648+/-0.083 χ^2/NDF: 56314.6/54

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.815+/-0.008 χ^2/NDF: 3717.3/26

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.776+/-0.008 χ^2/NDF: 4985.5/31

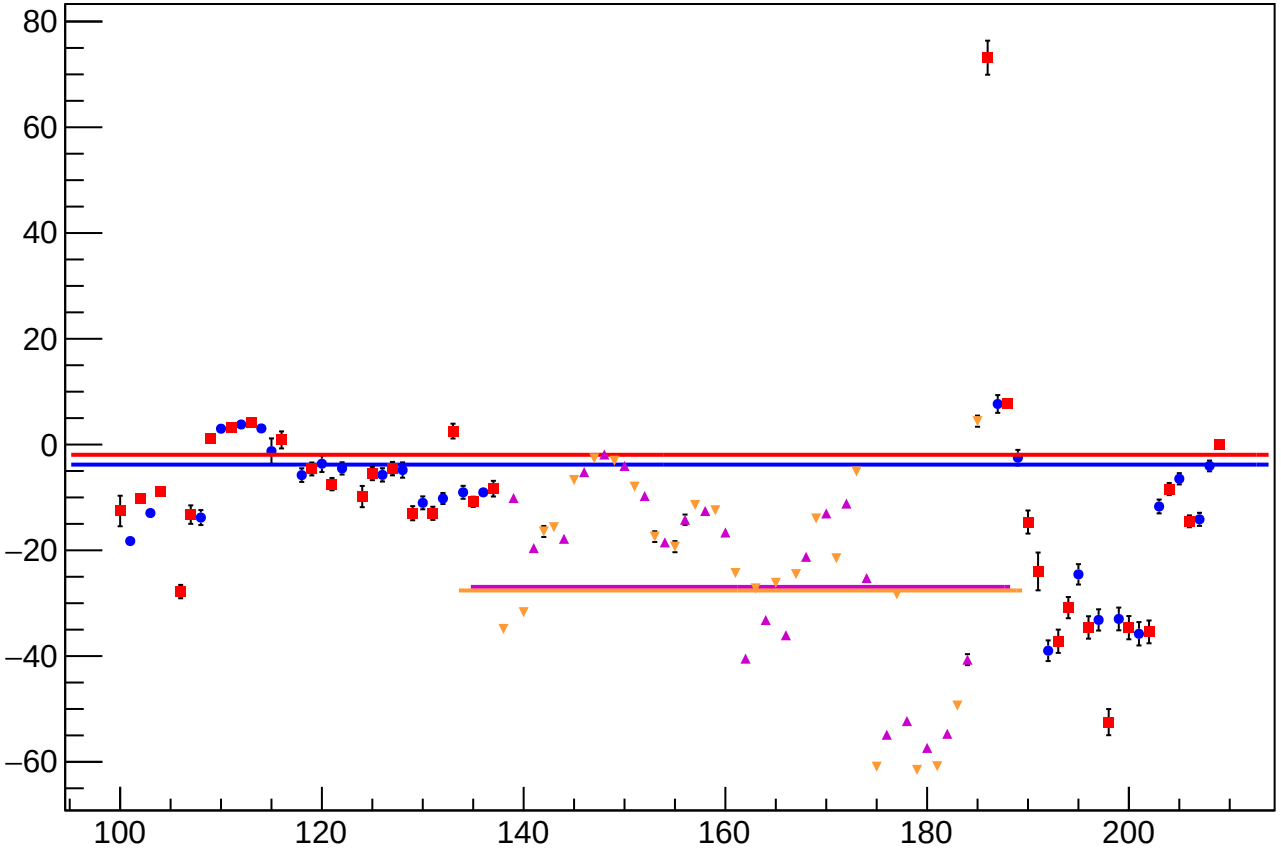
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

\+ sign 0.499+/-0.004 χ^2/NDF: 8515.5/51

All: 0.488+/-0.003 χ^2/NDF: 19555.9/106

\- sign 0.478+/-0.004 χ^2/NDF: 11023.0/54

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.790+/-0.176 χ^2/NDF: 2770.7/26

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.932+/-0.157 χ^2/NDF: 4026.1/31

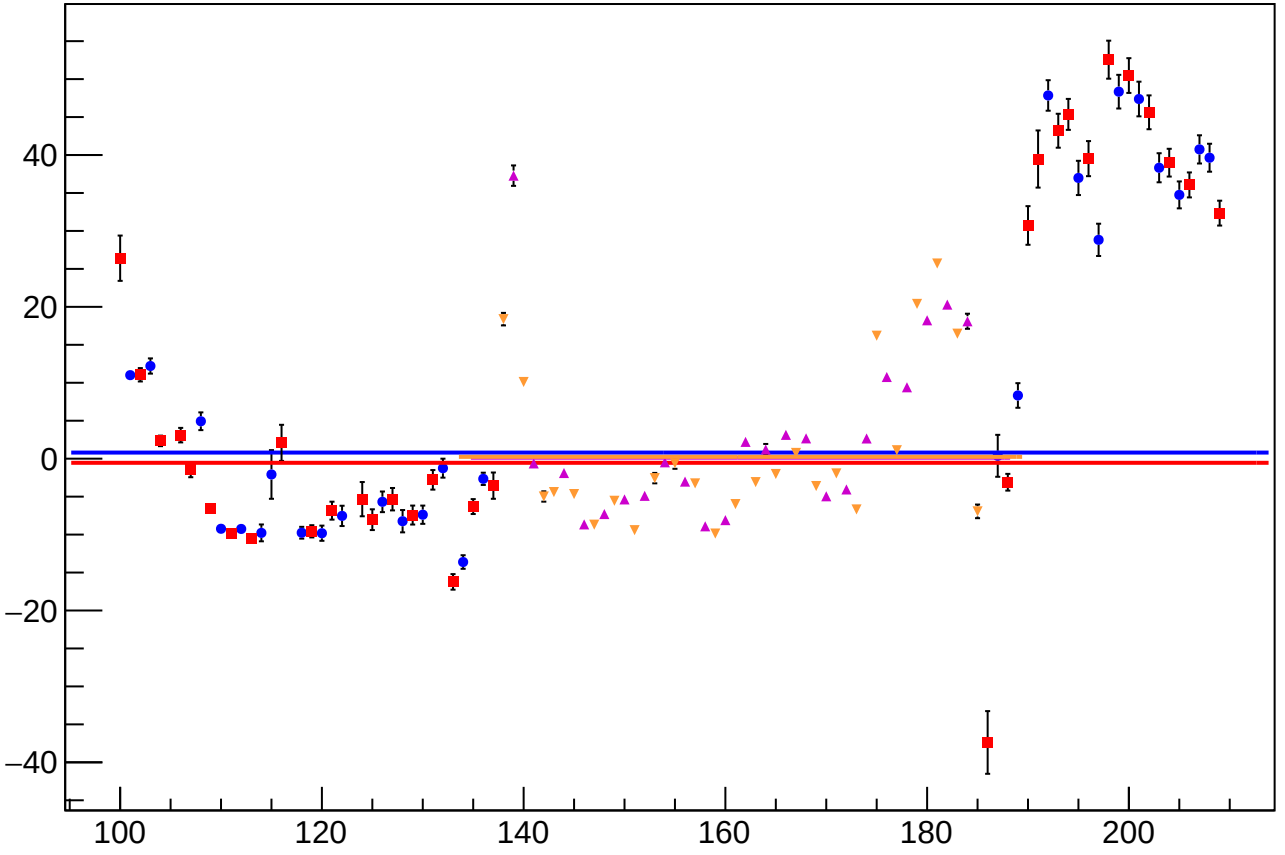
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.033+/-0.112 χ^2/NDF: 33460.6/51

All: -16.493+/-0.078 χ^2/NDF: 66712.5/106

- sign -15.049+/-0.108 χ^2/NDF: 32883.1/54

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 0.804+/-0.211 χ^2/NDF: 5374.9/26

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

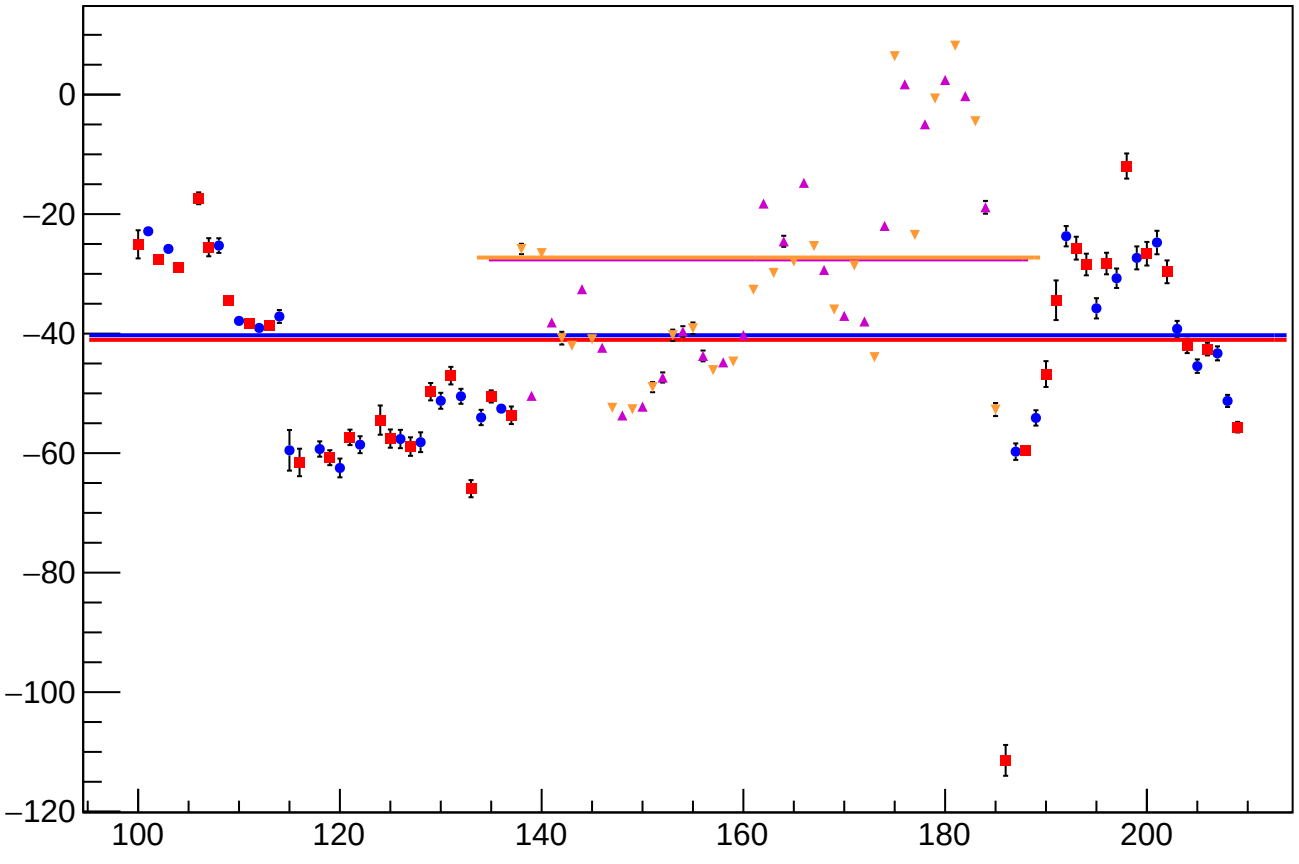
Right Out: -0.544+/-0.203 χ^2/NDF: 5699.1/31

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.359+/-0.098 χ^2/NDF: 13416.2/51

All: 0.168+/-0.070 χ^2/NDF: 24968.9/106

- sign -0.031+/-0.100 χ^2/NDF: 11544.9/54



Right In: -40.273+/-0.198 χ^2/NDF: 3677.6/26

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.043+/-0.184 χ^2/NDF: 5259.5/31

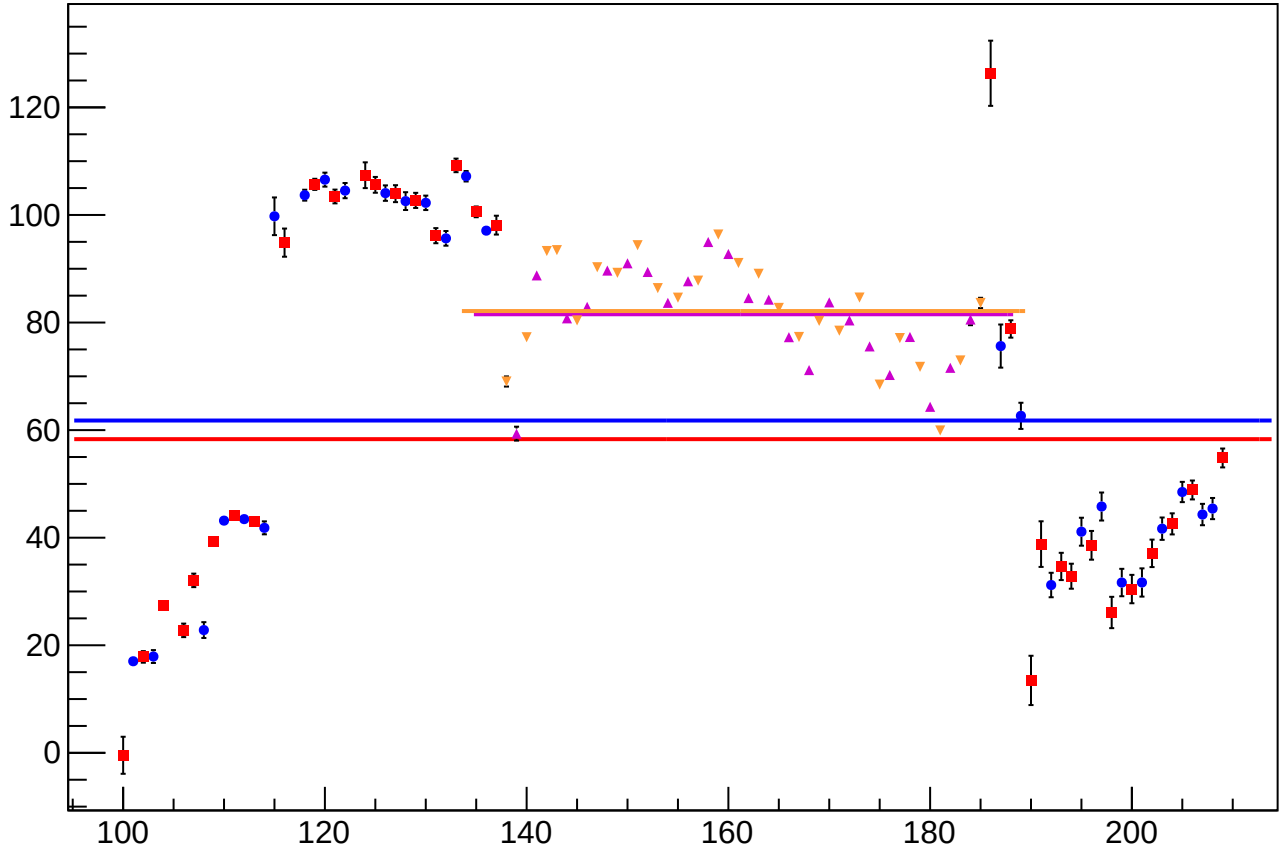
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

\+ sign -31.757+/-0.116 χ^2/NDF: 25021.9/51

All: -32.330+/-0.082 χ^2/NDF: 49231.7/106

\- sign -32.892+/-0.115 χ^2/NDF: 24161.8/54

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.784+/-0.242 χ^2/NDF: 19539.0/26

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.319+/-0.233 χ^2/NDF: 18533.4/31

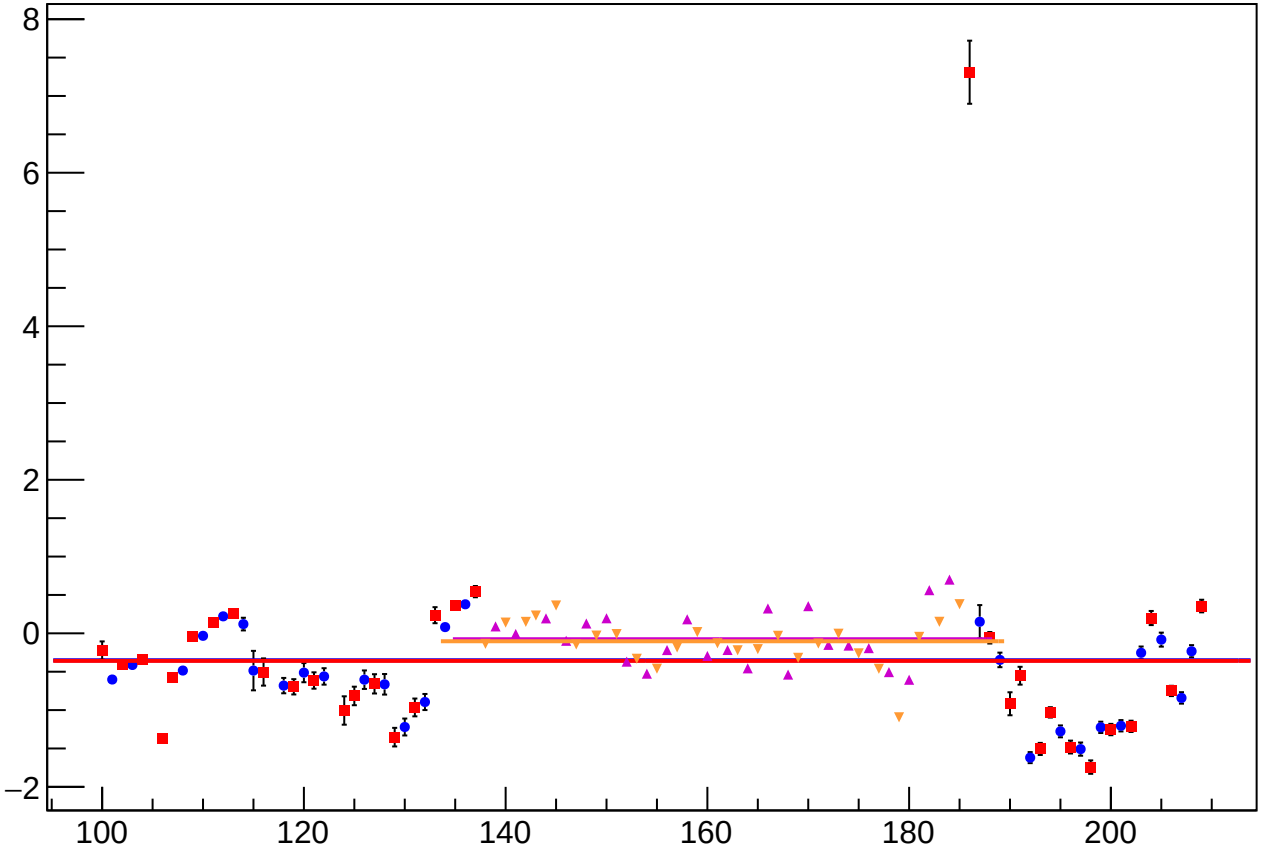
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.851+/-0.111 χ^2/NDF: 30514.2/51

All: 76.981+/-0.079 χ^2/NDF: 60838.0/106

- sign 76.080+/-0.113 χ^2/NDF: 30198.4/54

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.351+/-0.012 χ^2/NDF: 2029.4/26

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.359+/-0.011 χ^2/NDF: 3039.4/31

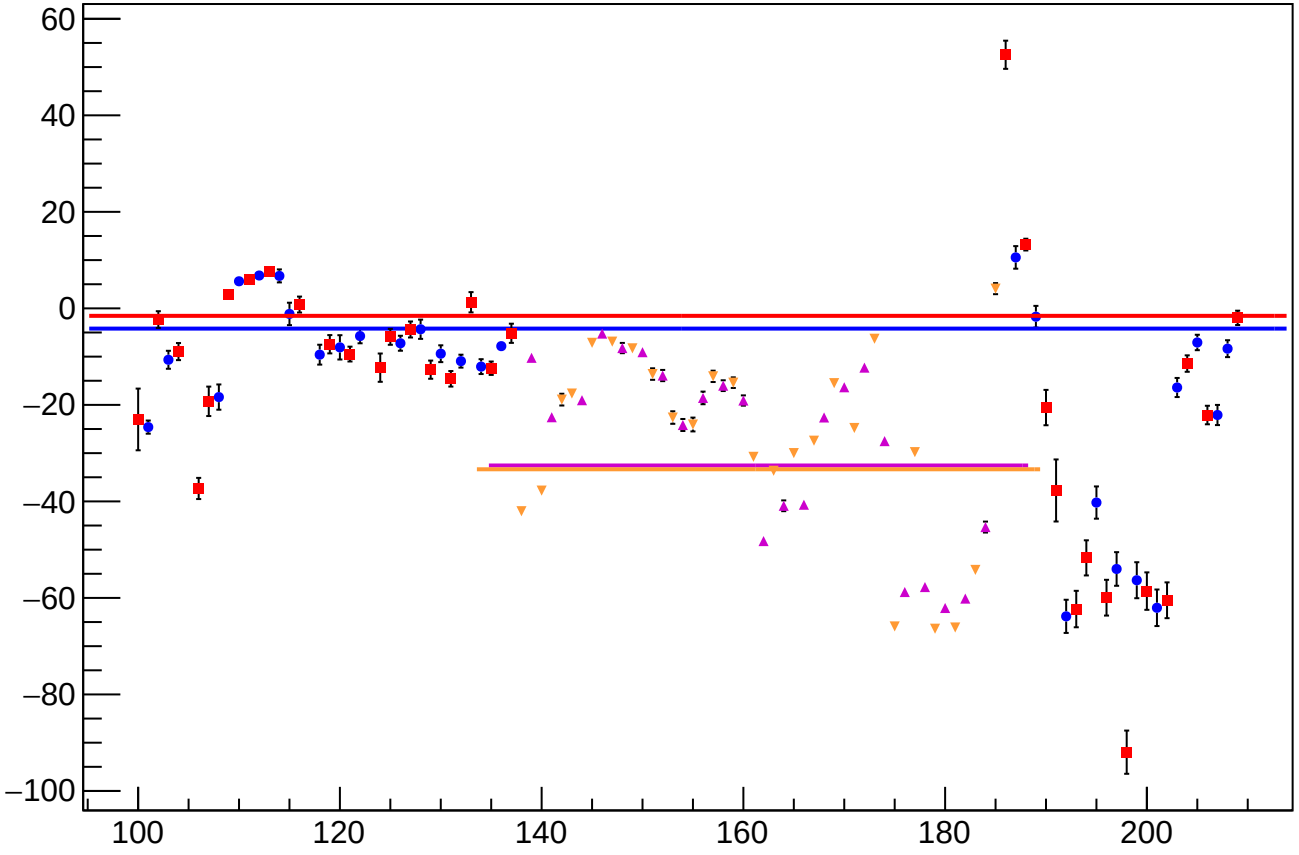
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.149+/-0.005 χ^2/NDF: 4795.0/51

All: -0.142+/-0.004 χ^2/NDF: 11651.3/106

- sign -0.134+/-0.005 χ^2/NDF: 6852.4/54

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.193+/-0.283 χ^2/NDF: 2179.7/26

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.550+/-0.259 χ^2/NDF: 3233.5/31

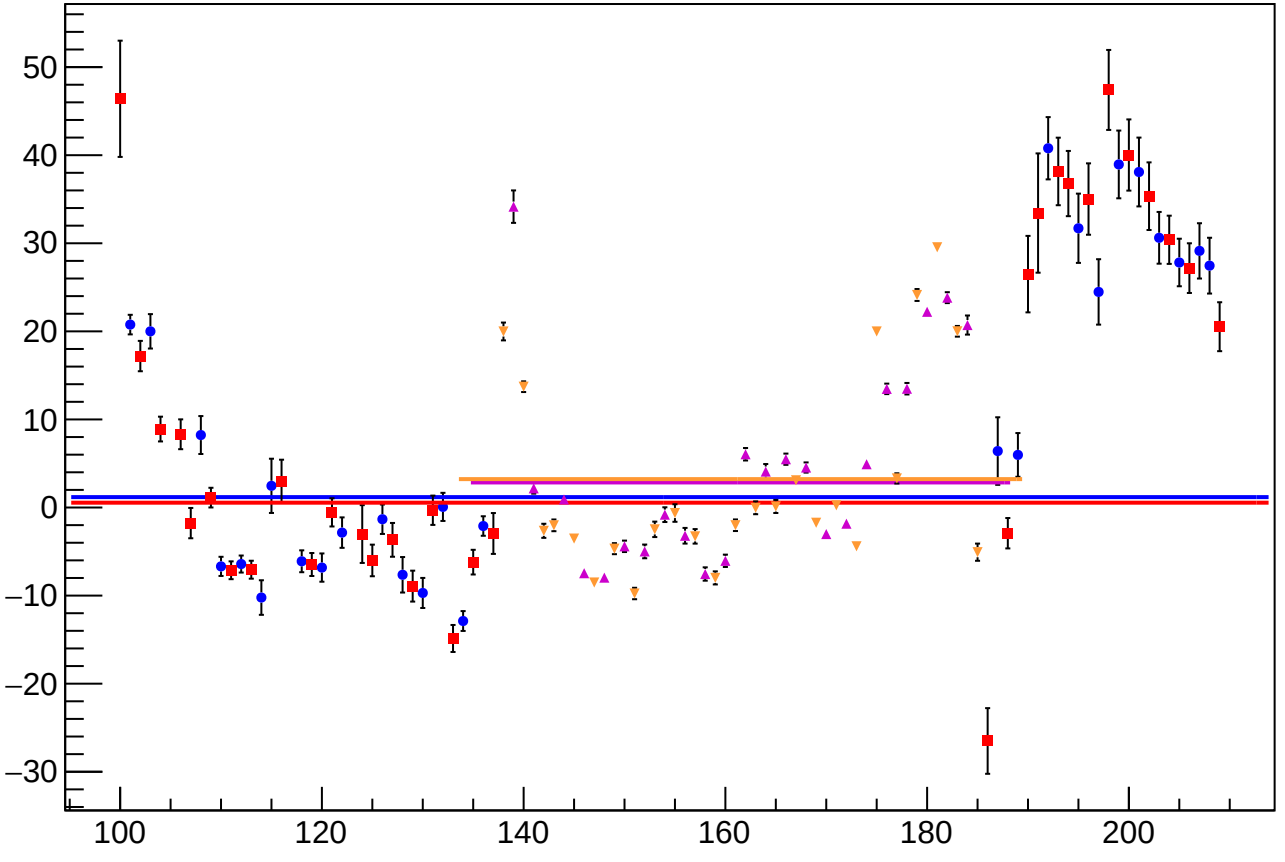
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -25.962+/-0.142 χ^2/NDF: 28113.7/51

All: -24.600+/-0.100 χ^2/NDF: 55484.9/106

\- sign -23.247+/-0.142 χ^2/NDF: 27188.3/54

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 1.180+/-0.335 χ^2/NDF: 1616.8/26

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

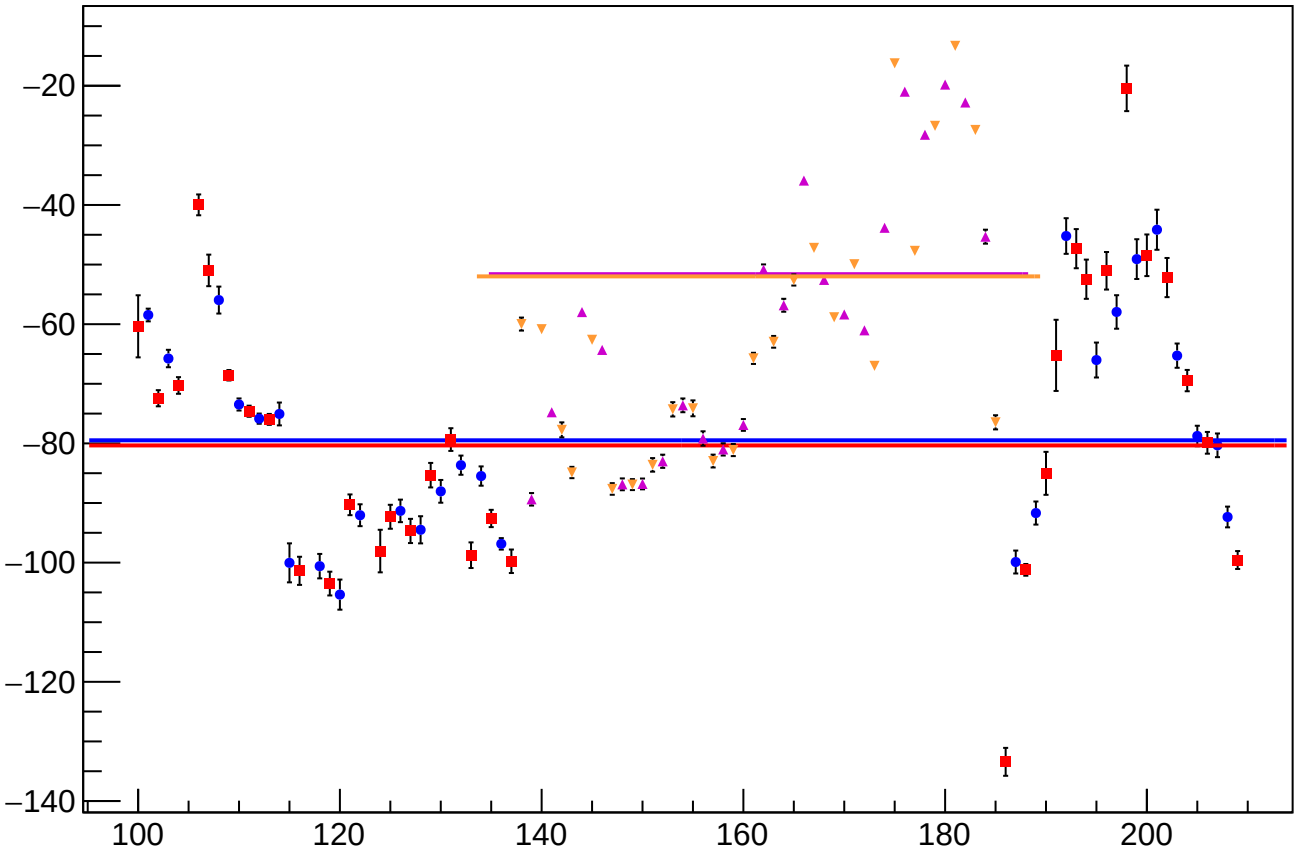
Right Out: 0.549+/-0.330 χ^2/NDF: 1443.1/31

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.963+/-0.120 χ^2/NDF: 9324.9/51

All: 2.752+/-0.085 χ^2/NDF: 16271.7/106

- sign 2.532+/-0.122 χ^2/NDF: 6940.4/54



Right In: -79.481+/-0.320 χ^2/NDF: 2050.8/26

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.341+/-0.303 χ^2/NDF: 3438.3/31

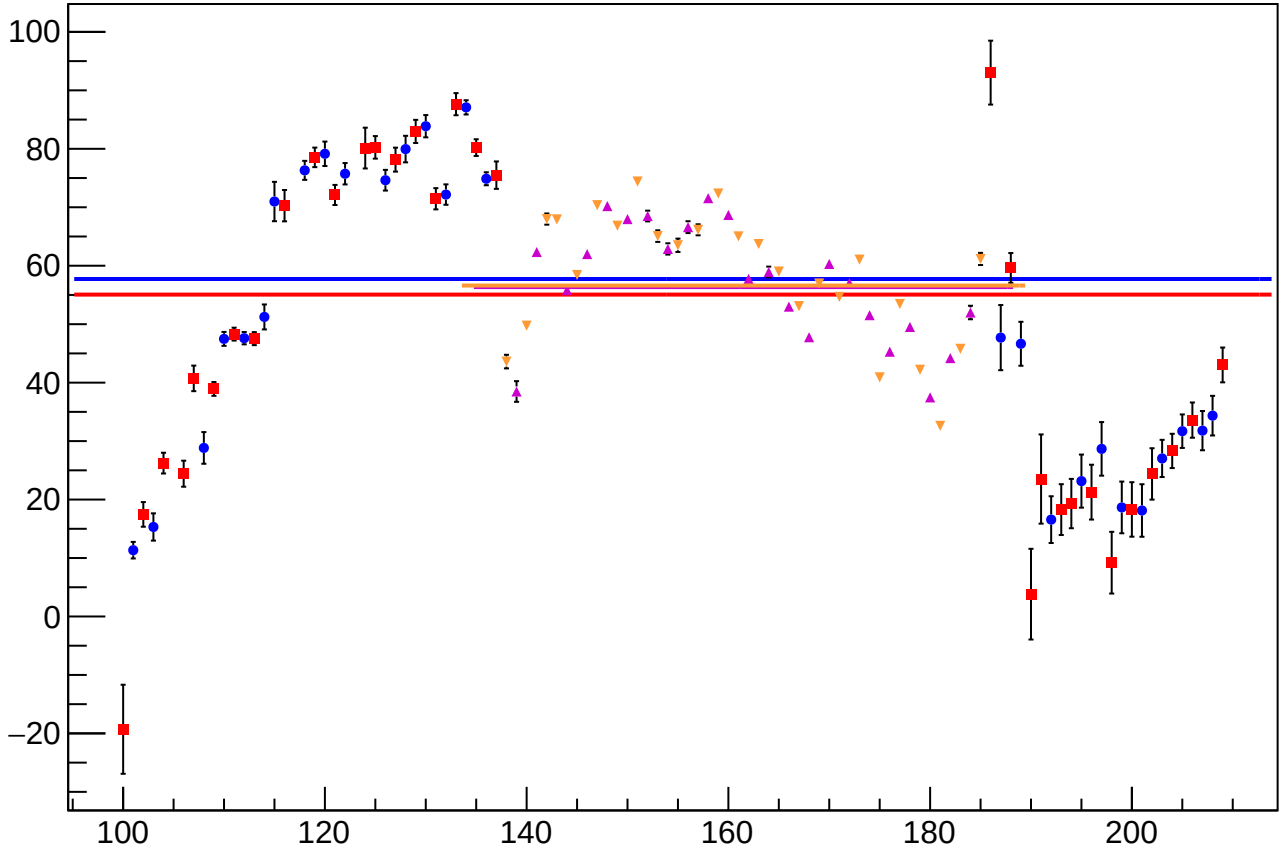
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.747+/-0.147 χ^2/NDF: 28774.3/51

All: -58.091+/-0.104 χ^2/NDF: 56710.8/106

- sign -58.440+/-0.148 χ^2/NDF: 27925.4/54

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 57.730+/-0.378 χ^2/NDF: 3956.6/26

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.061+/-0.375 χ^2/NDF: 3464.1/31

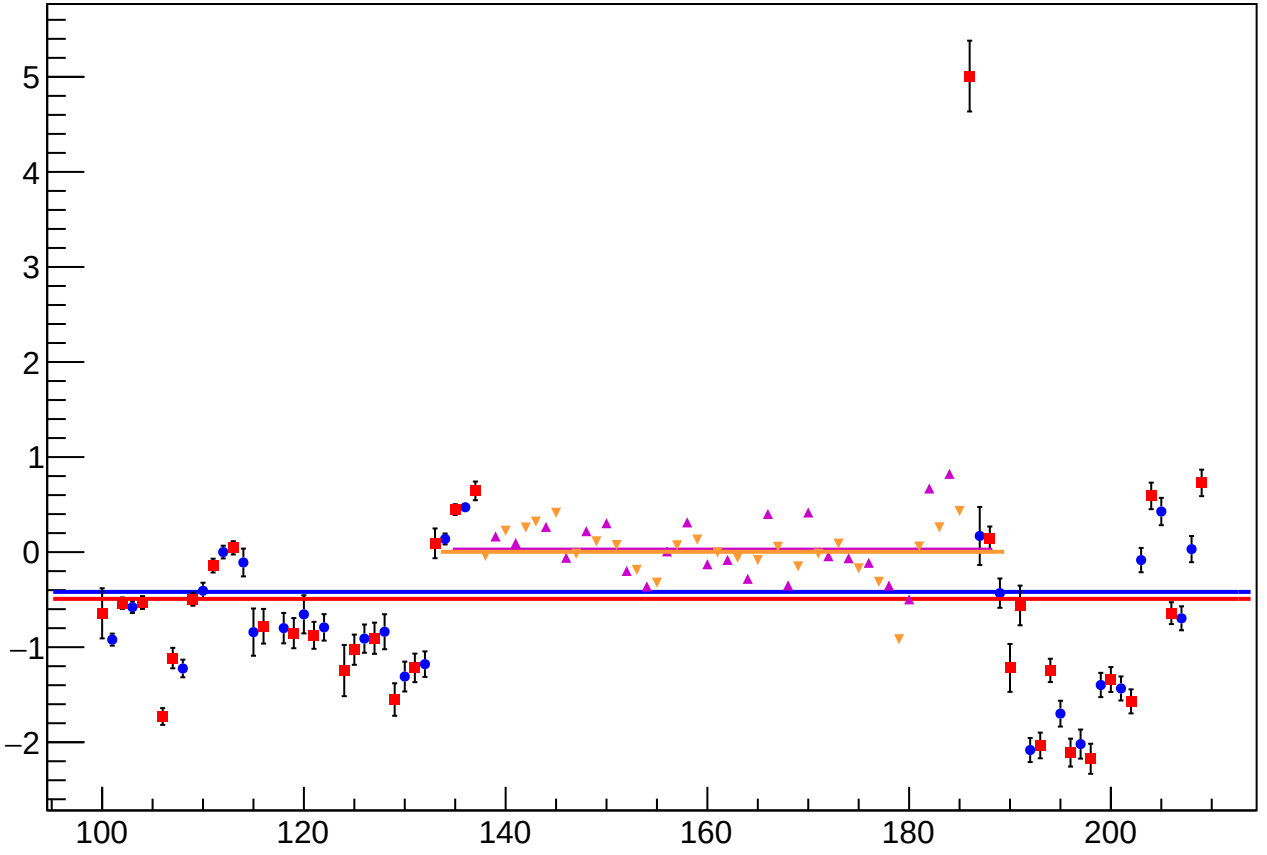
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.754+/-0.134 χ^2/NDF: 9630.4/51

All: 56.470+/-0.096 χ^2/NDF: 17082.4/106

- sign 56.176+/-0.137 χ^2/NDF: 7442.9/54

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.418+/-0.019 χ^2/NDF: 1323.2/26

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.492+/-0.019 χ^2/NDF: 1750.6/31

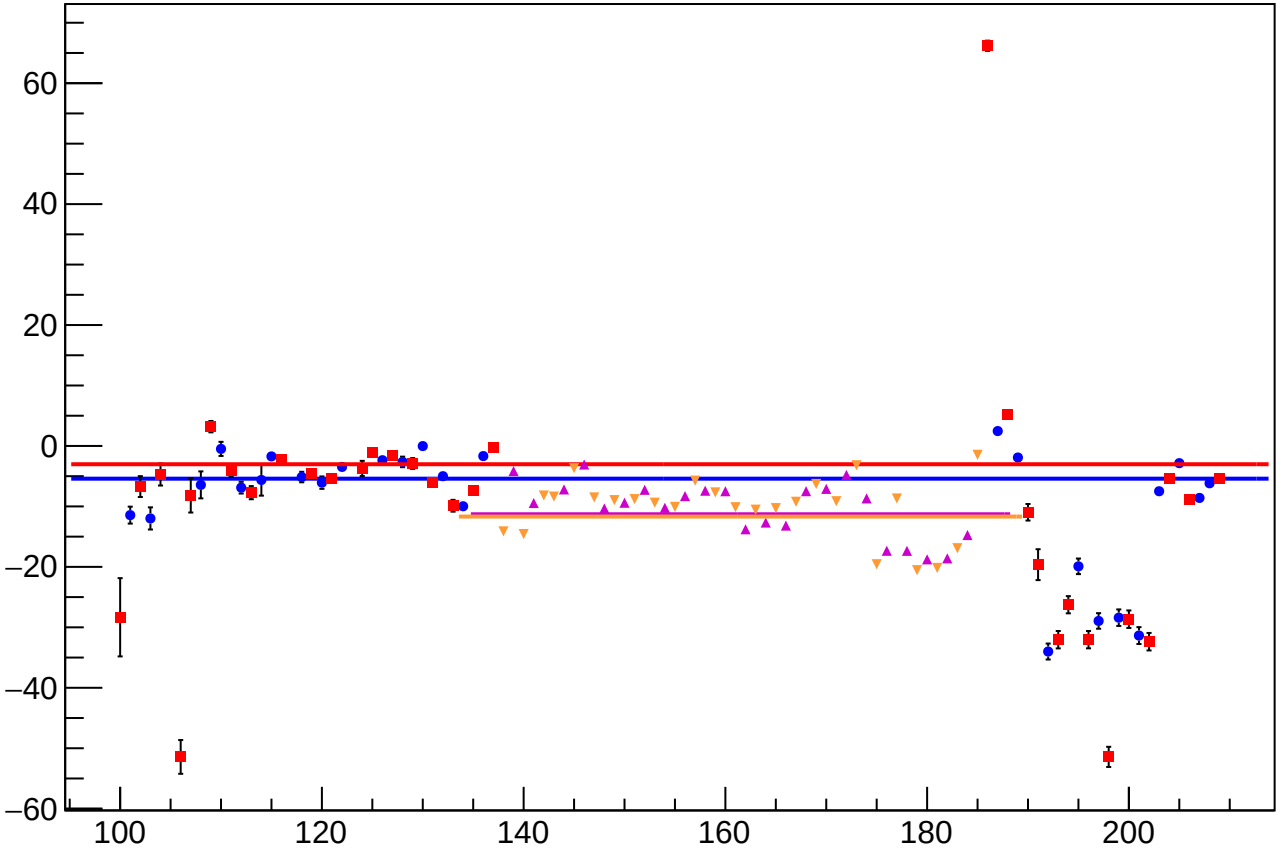
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.039+/-0.006 χ^2/NDF: 3455.8/51

All: -0.034+/-0.004 χ^2/NDF: 8206.3/106

- sign -0.028+/-0.006 χ^2/NDF: 4749.0/54

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.412+/-0.153 χ^2/NDF: 2041.0/26

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -3.024+/-0.152 χ^2/NDF: 10516.3/31

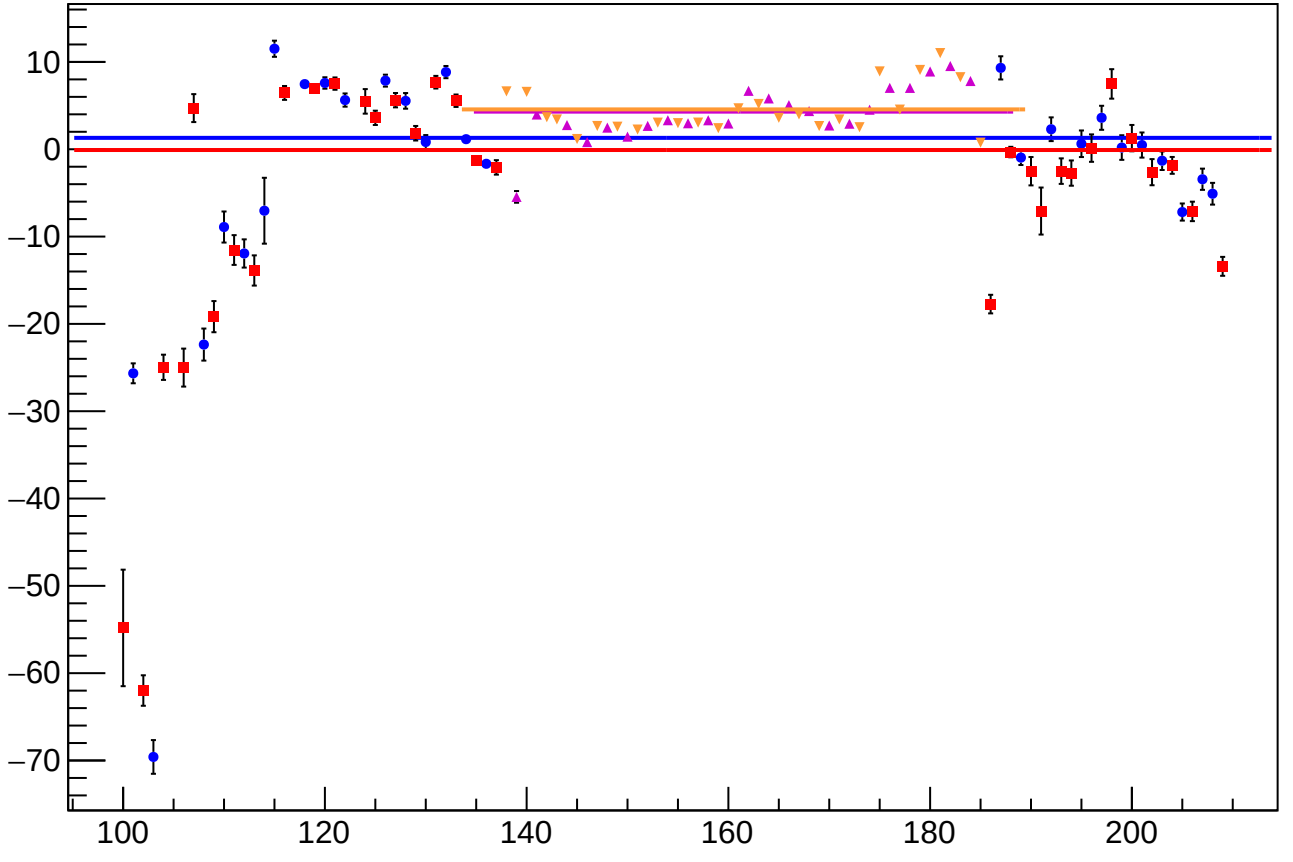
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.017+/-0.050 χ^2/NDF: 16141.9/51

All: -10.705+/-0.036 χ^2/NDF: 38587.6/106

- sign -10.379+/-0.051 χ^2/NDF: 22365.3/54

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.305+/-0.167 χ^2/NDF: 3018.9/26

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.088+/-0.175 χ^2/NDF: 3128.1/31

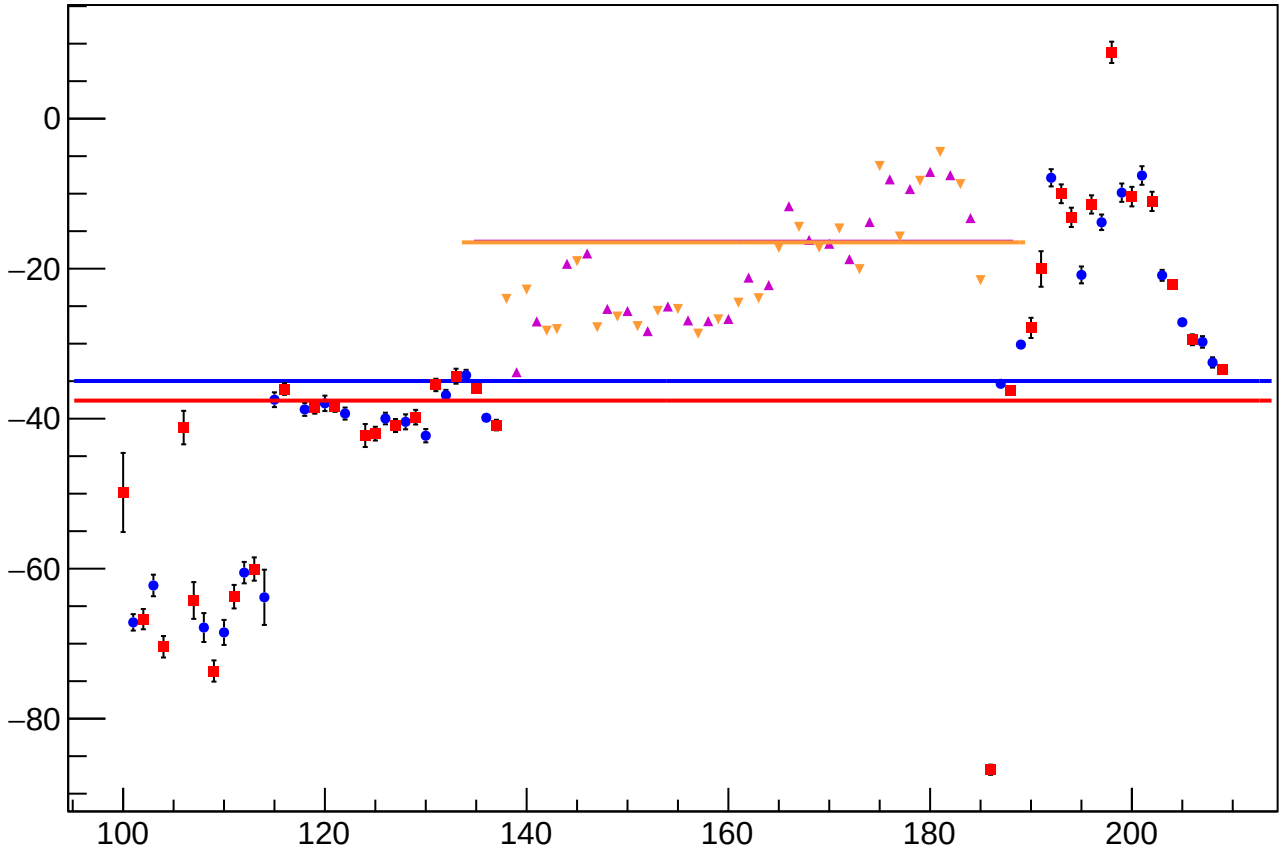
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.376+/-0.040 χ^2/NDF: 7732.2/51

All: 4.225+/-0.029 χ^2/NDF: 15093.1/106

- sign 4.068+/-0.041 χ^2/NDF: 7332.0/54

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.980+/-0.158 χ^2/NDF: 5383.6/26

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.590+/-0.155 χ^2/NDF: 11810.1/31

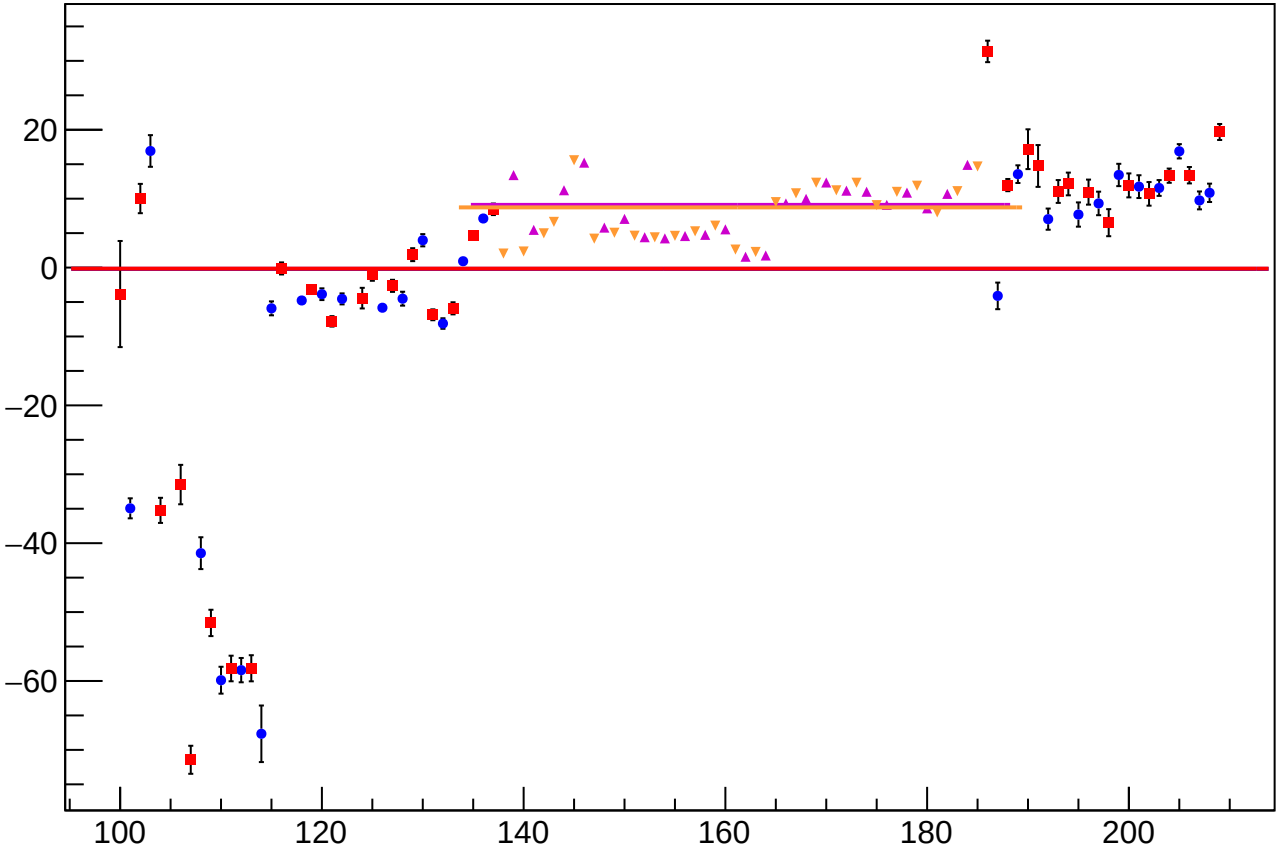
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.338+/-0.050 χ^2/NDF: 39616.2/51

All: -18.509+/-0.036 χ^2/NDF: 86122.2/106

- sign -18.686+/-0.051 χ^2/NDF: 46482.4/54

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -0.189+/-0.188 χ^2/NDF: 4713.2/26

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -0.158+/-0.200 χ^2/NDF: 6304.3/31

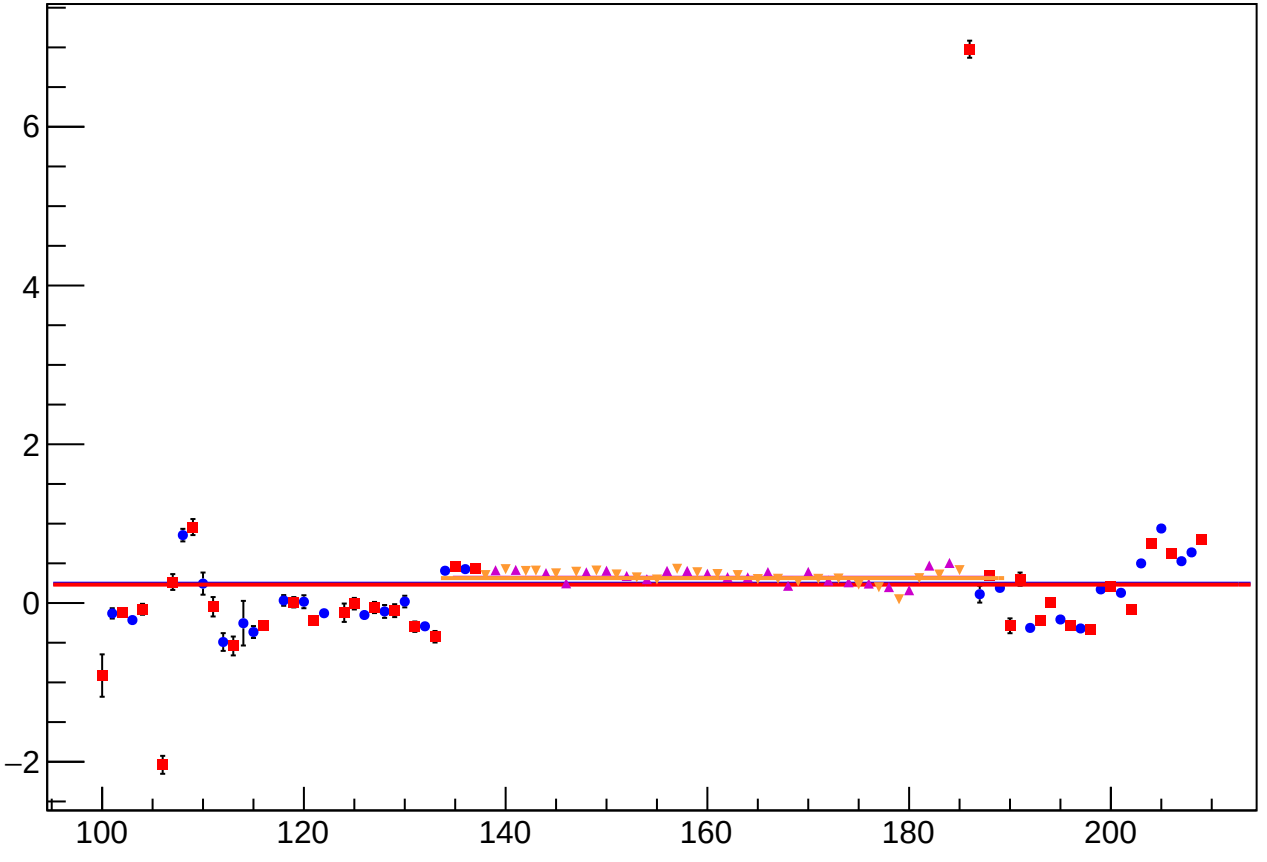
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.226+/-0.045 χ^2/NDF: 13713.8/51

All: 8.415+/-0.032 χ^2/NDF: 27813.0/106

- sign 8.612+/-0.046 χ^2/NDF: 14063.0/54

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.243+/-0.009 χ^2/NDF: 1226.4/26

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

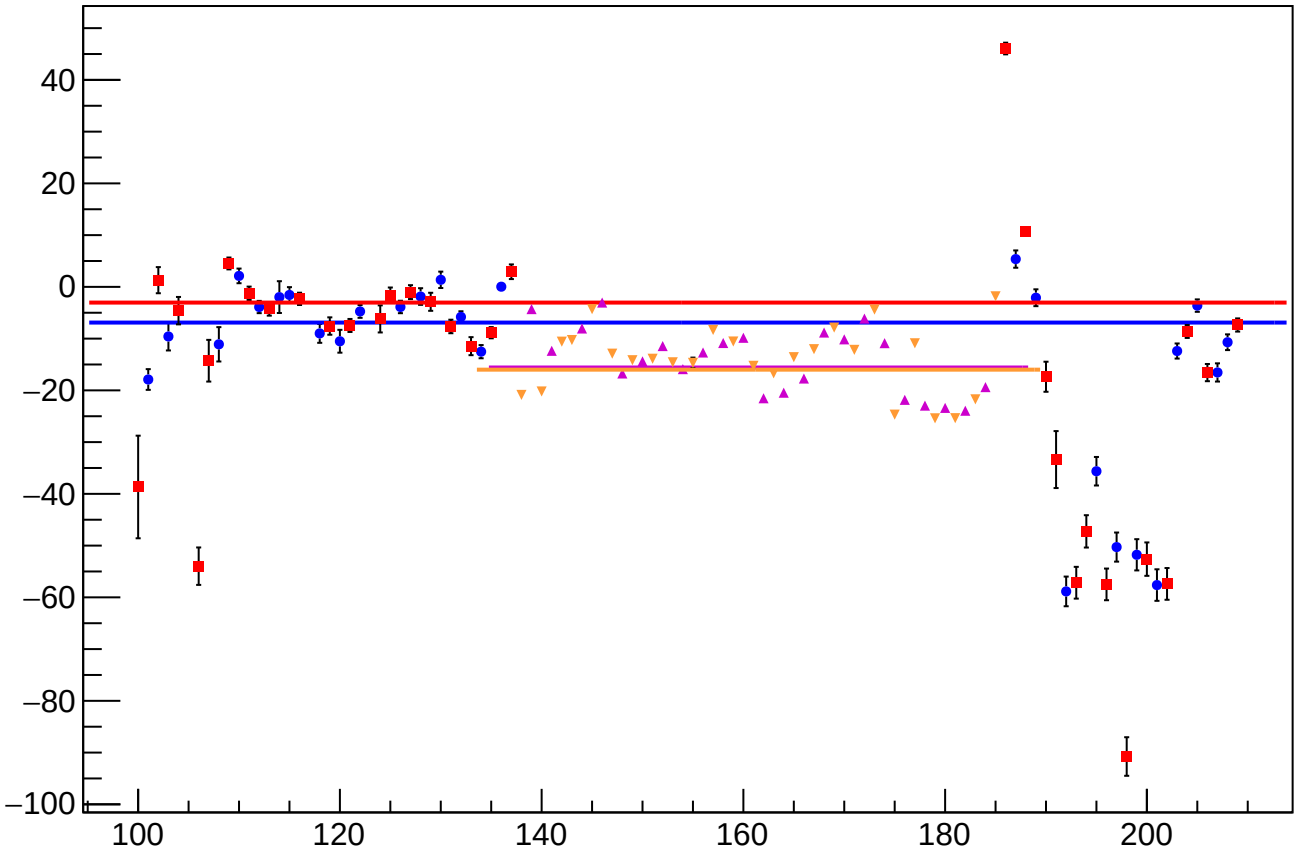
Right Out: 0.232+/-0.010 χ^2/NDF: 5639.1/31

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.311+/-0.002 χ^2/NDF: 2883.4/51

All: 0.313+/-0.001 χ^2/NDF: 10384.5/106

- sign 0.315+/-0.002 χ^2/NDF: 7498.8/54



Right In: -6.898+/-0.294 χ^2/NDF: 1556.4/26

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -3.036+/-0.286 χ^2/NDF: 4578.7/31

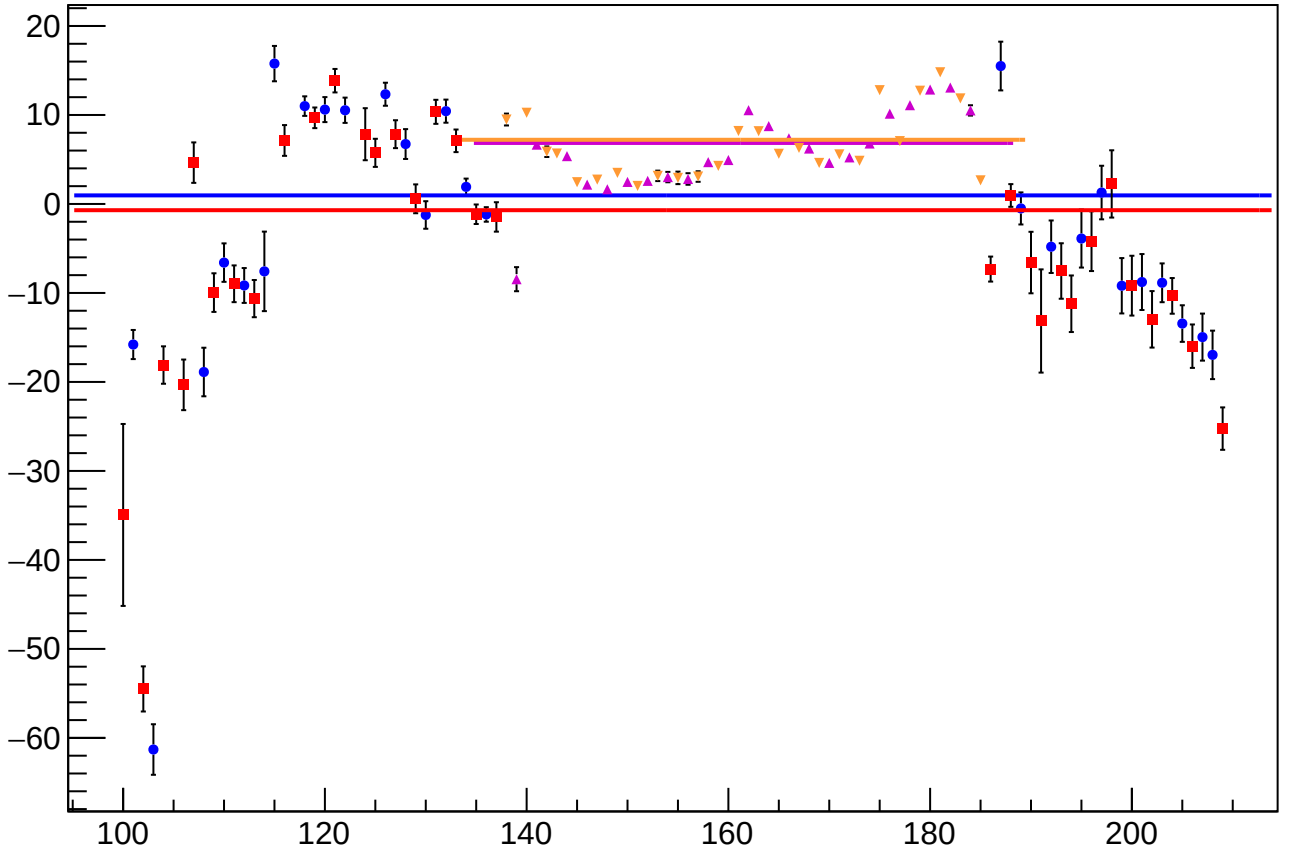
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

\+ sign -15.064+/-0.094 χ^2/NDF: 8381.6/51

All: -14.625+/-0.067 χ^2/NDF: 19470.6/106

\- sign -14.168+/-0.096 χ^2/NDF: 11044.5/54

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.963+/-0.324 χ^2/NDF: 1268.6/26

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.701+/-0.332 χ^2/NDF: 1261.0/31

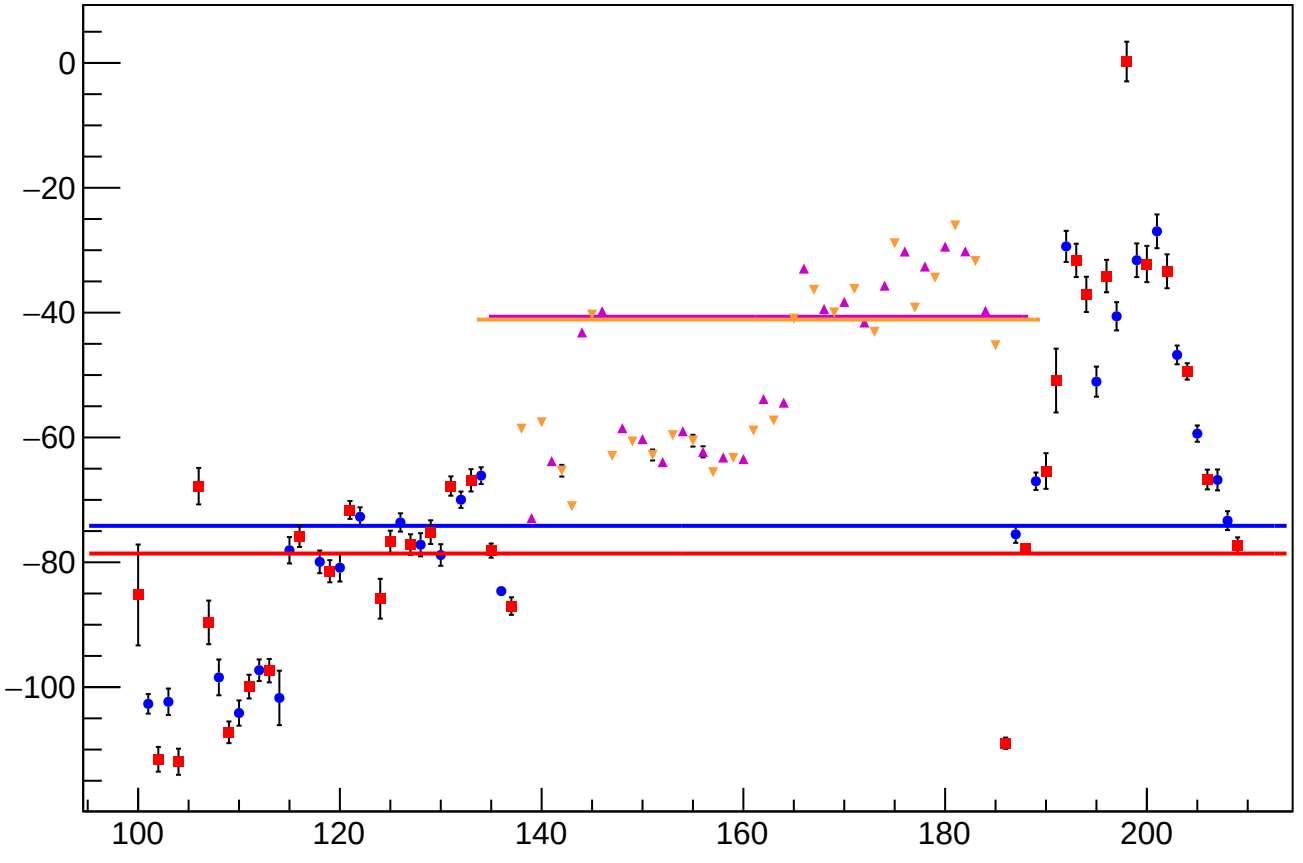
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

\+ sign 6.852+/-0.078 χ^2/NDF: 4075.8/51

All: 6.644+/-0.055 χ^2/NDF: 7997.3/106

\- sign 6.430+/-0.079 χ^2/NDF: 3907.0/54

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.158+/-0.309 χ^2/NDF: 3008.8/26

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.596+/-0.296 χ^2/NDF: 4919.8/31

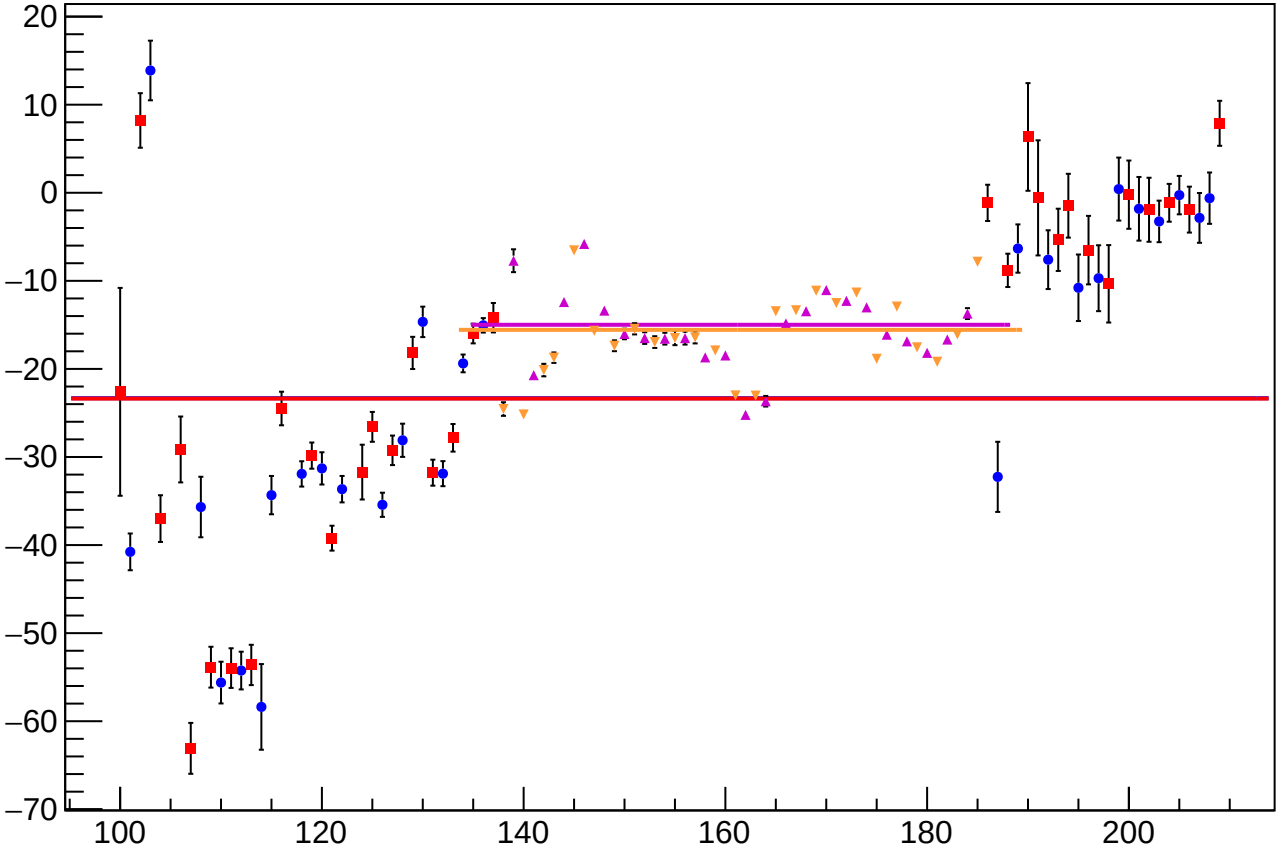
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.236+/-0.095 χ^2/NDF: 29337.0/51

All: -44.470+/-0.068 χ^2/NDF: 62499.9/106

- sign -44.711+/-0.097 χ^2/NDF: 33150.6/54

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -23.327+/-0.363 χ^2/NDF: 1507.3/26

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -23.367+/-0.381 χ^2/NDF: 1841.4/31

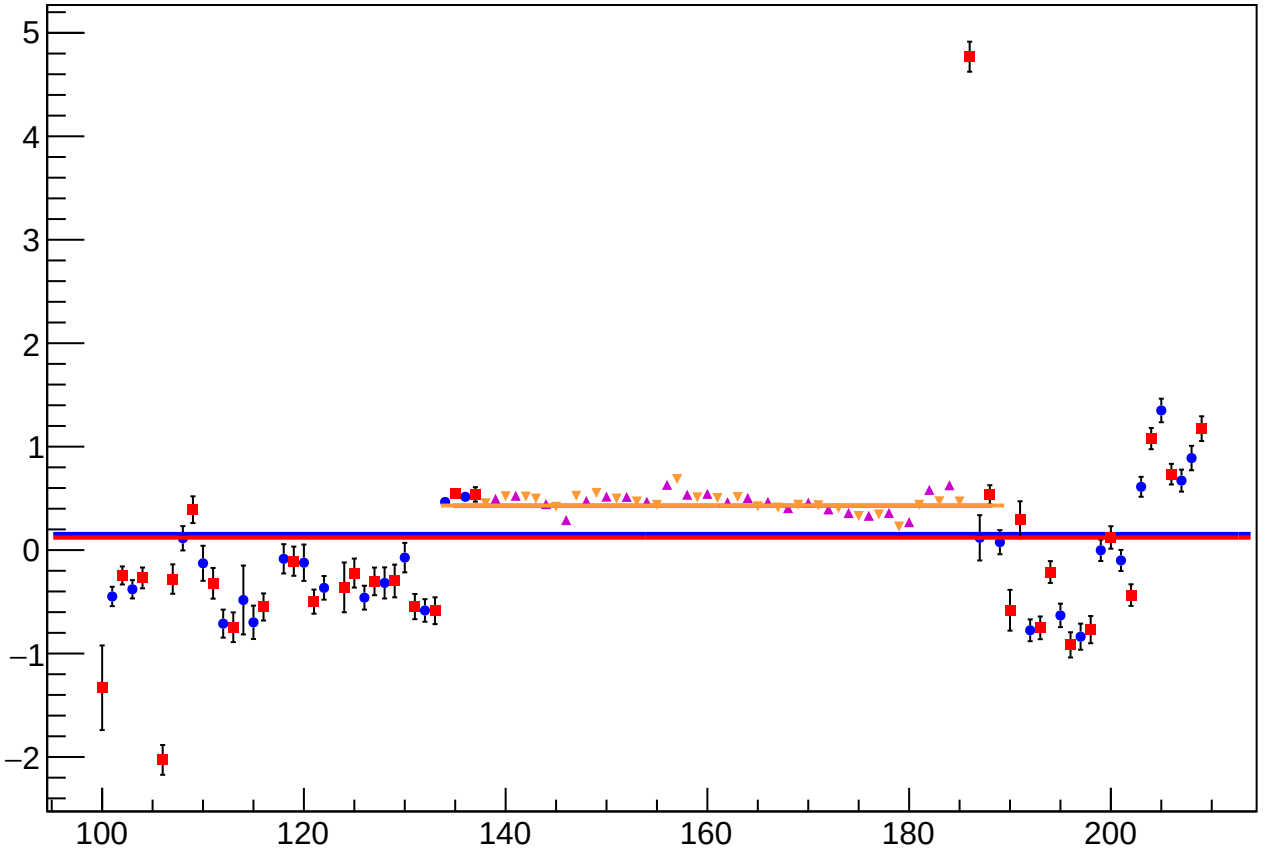
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.002+/-0.086 χ^2/NDF: 4489.5/51

All: -15.724+/-0.062 χ^2/NDF: 8960.2/106

- sign -15.435+/-0.088 χ^2/NDF: 4449.5/54

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.156+/-0.018 χ^2/NDF: 814.4/26

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.120+/-0.019 χ^2/NDF: 2078.1/31

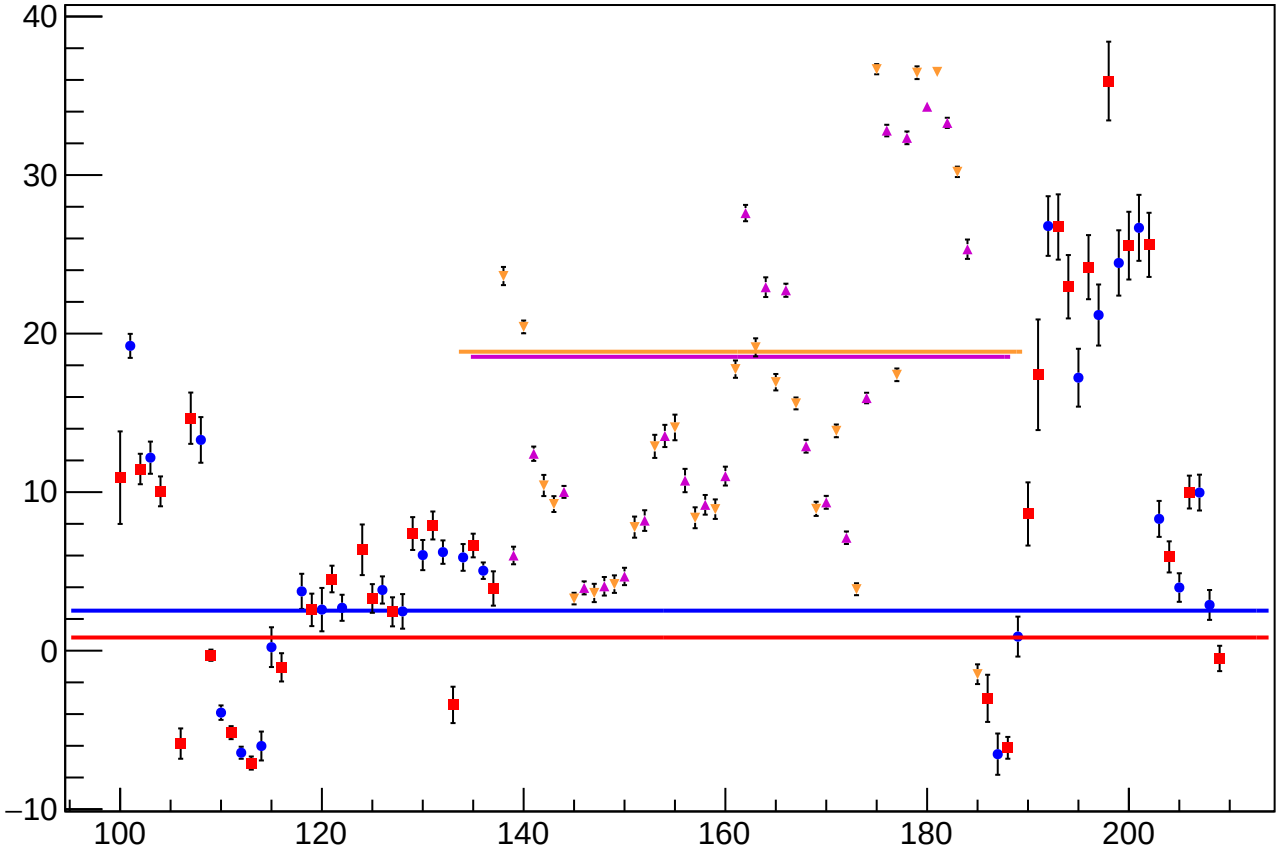
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

\+ sign 0.418+/-0.004 χ^2/NDF: 1451.2/51

All: 0.418+/-0.003 χ^2/NDF: 4356.2/106

\- sign 0.417+/-0.004 χ^2/NDF: 2905.0/54

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.525+/-0.166 χ^2/NDF: 2254.1/26

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.831+/-0.152 χ^2/NDF: 2330.2/31

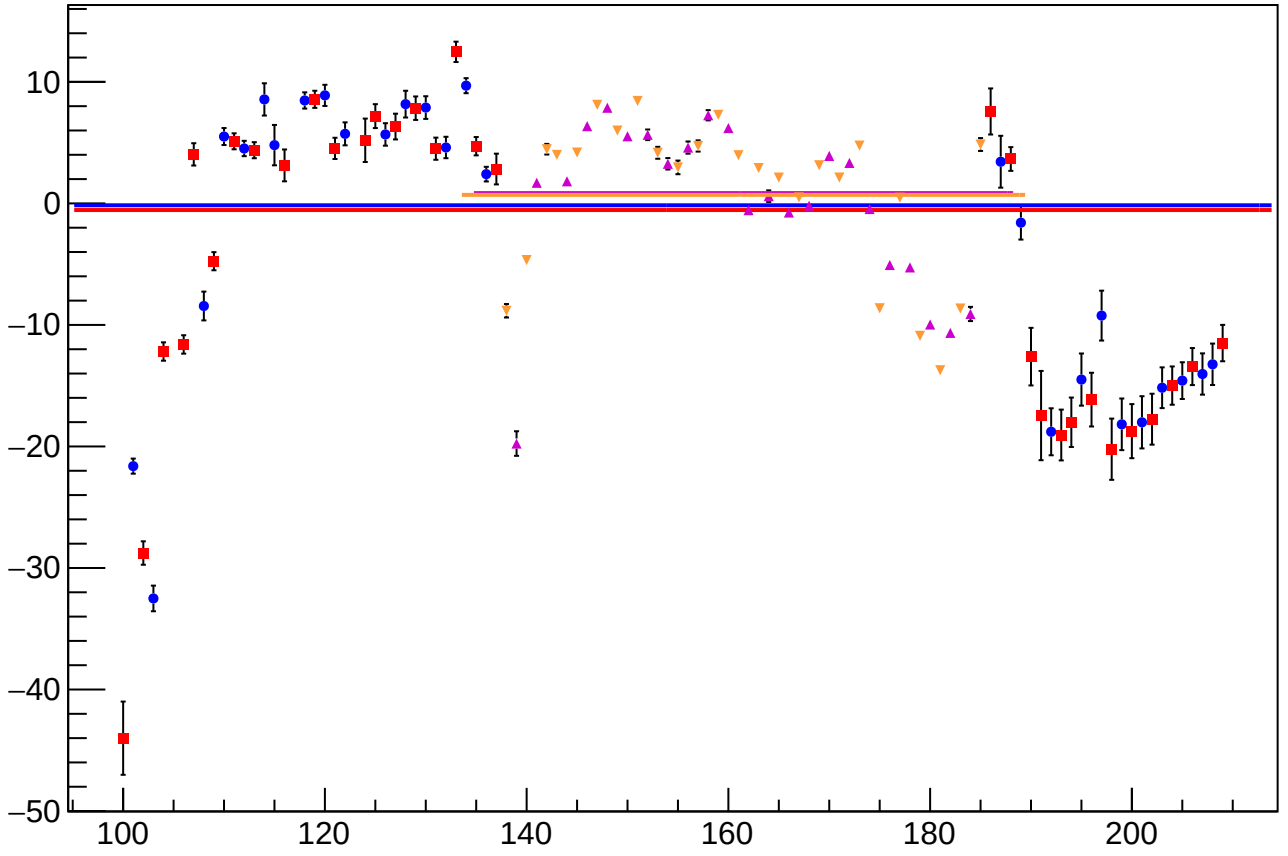
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

\+ sign 15.122+/-0.079 χ^2/NDF: 28094.0/51

All: 14.401+/-0.056 χ^2/NDF: 54544.3/106

\- sign 13.680+/-0.079 χ^2/NDF: 26285.4/54

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.156+/-0.191 χ^2/NDF: 3742.2/26

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.546+/-0.187 χ^2/NDF: 3118.5/31

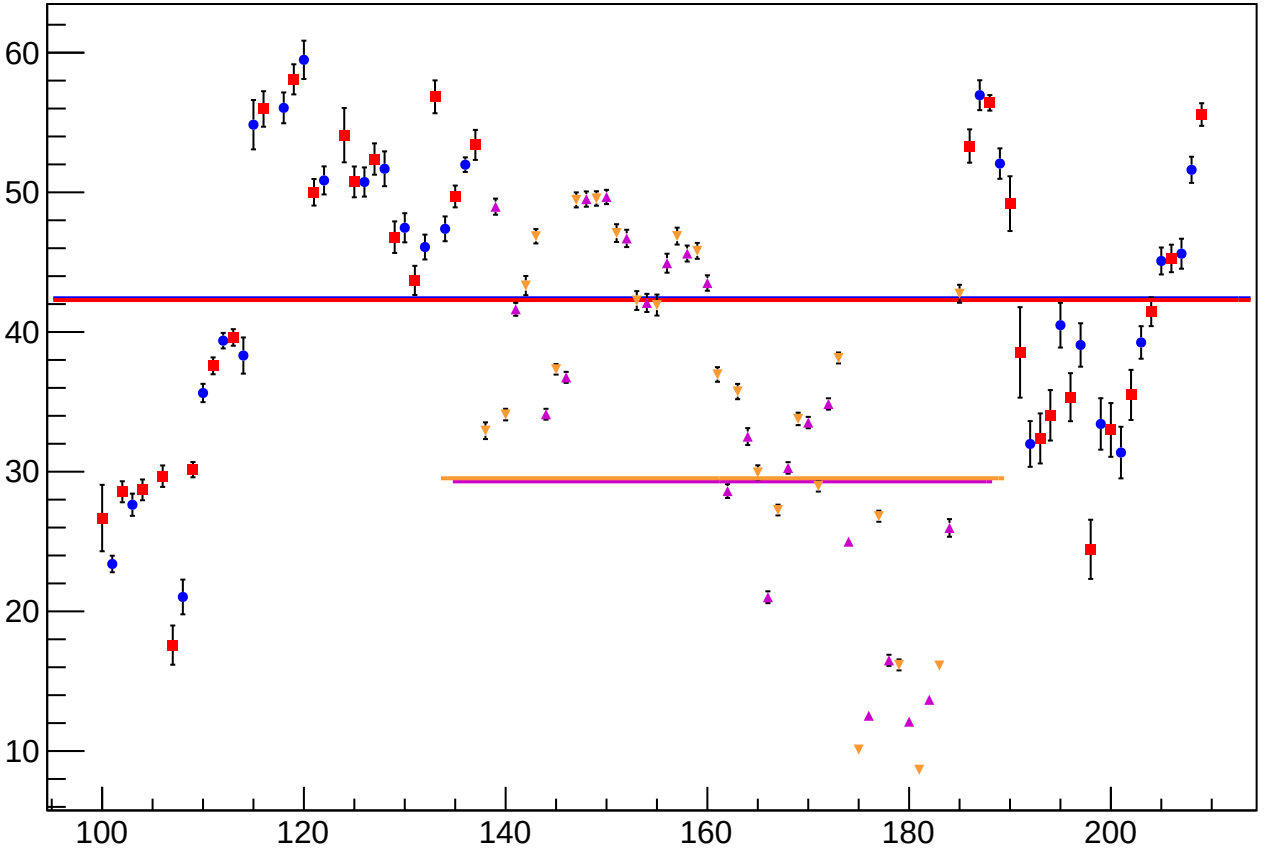
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.598+/-0.066 χ^2/NDF: 11997.8/51

All: 0.631+/-0.047 χ^2/NDF: 21210.5/106

- sign 0.665+/-0.068 χ^2/NDF: 9212.1/54

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 42.415+/-0.183 χ^2/NDF: 3258.7/26

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.289+/-0.172 χ^2/NDF: 4006.5/31

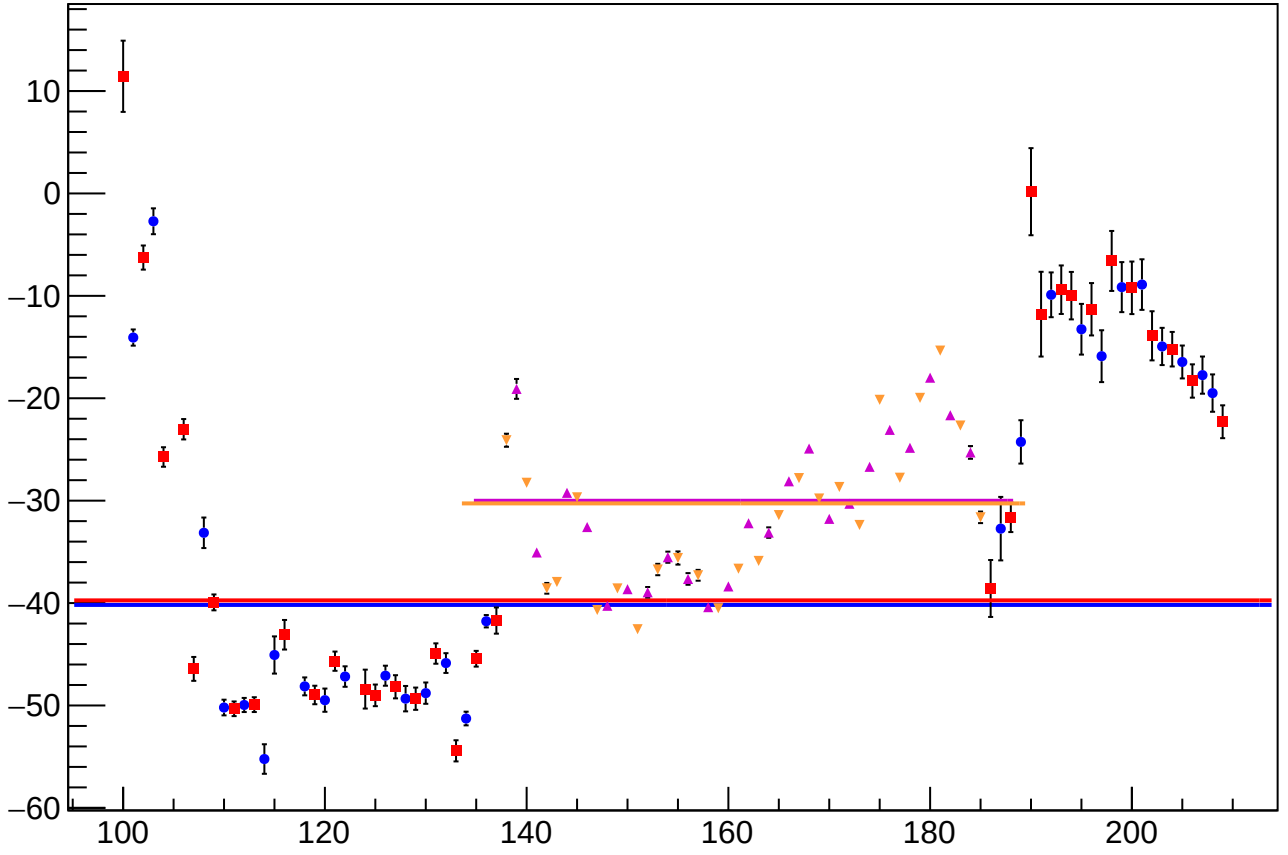
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.061+/-0.081 χ^2/NDF: 28324.2/51

All: 32.155+/-0.058 χ^2/NDF: 54615.8/106

- sign 32.251+/-0.082 χ^2/NDF: 26288.9/54

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -40.181+/-0.216 χ^2/NDF: 4646.8/26

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -39.738+/-0.214 χ^2/NDF: 4147.3/31

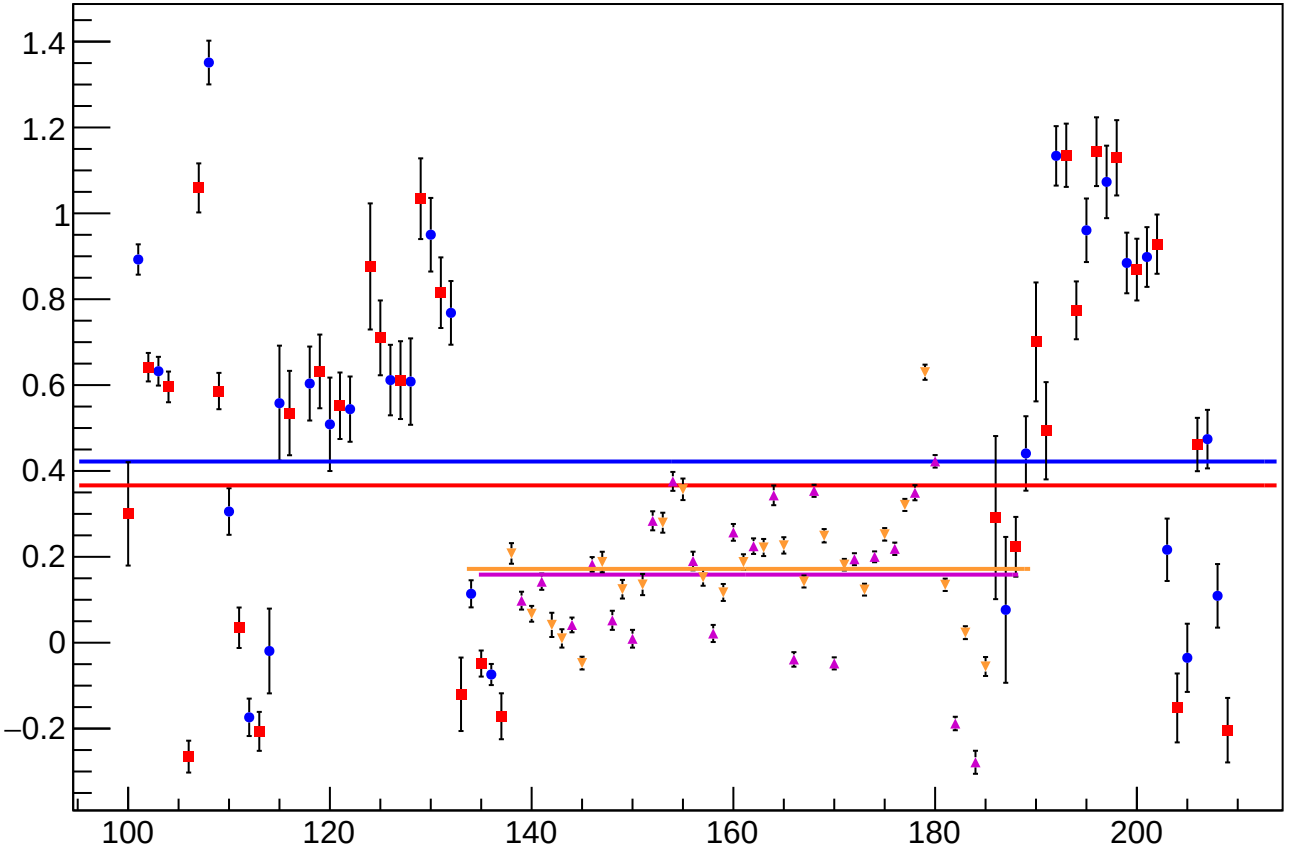
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.447+/-0.074 χ^2/NDF: 15007.9/51

All: -31.346+/-0.053 χ^2/NDF: 27049.2/106

- sign -31.240+/-0.076 χ^2/NDF: 12037.5/54

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.422+/-0.011 χ^2/NDF: 1712.2/26

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.366+/-0.011 χ^2/NDF: 1780.4/31

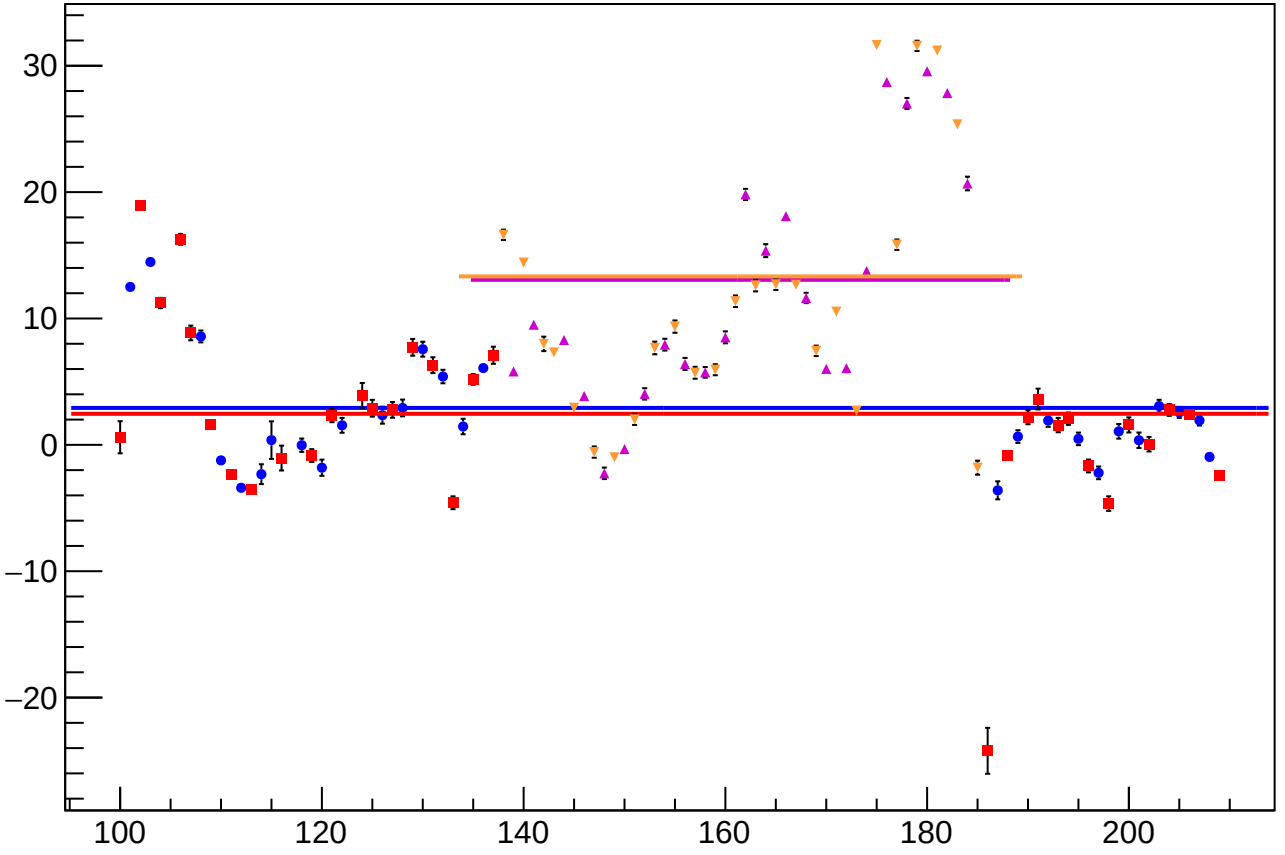
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3697.1/51

All: 0.188+/-0.002 χ^2/NDF: 8019.0/106

- sign 0.180+/-0.003 χ^2/NDF: 4310.9/54

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.924+/-0.091 χ^2/NDF: 3194.5/26

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.458+/-0.083 χ^2/NDF: 5380.9/31

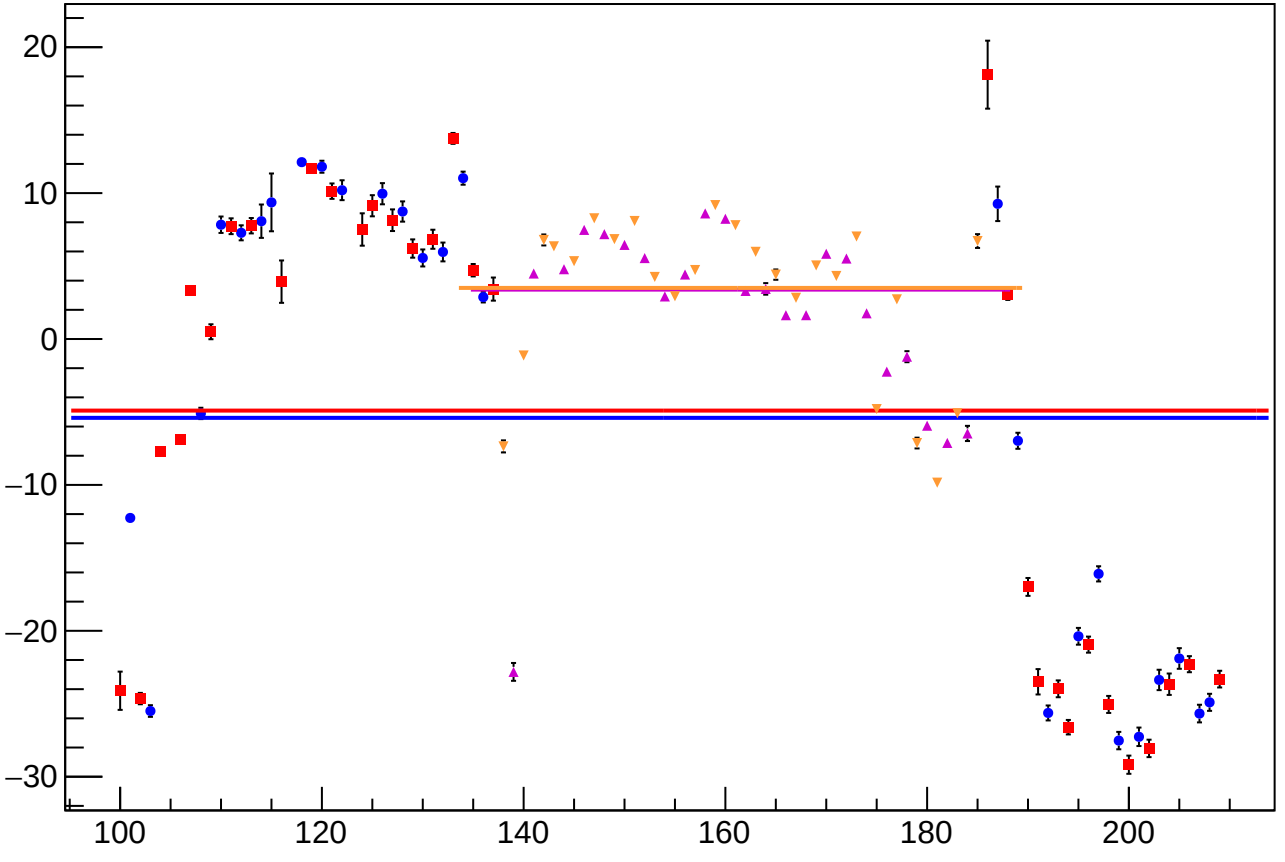
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.996+/-0.059 χ^2/NDF: 30281.5/51

All: 8.475+/-0.041 χ^2/NDF: 59943.0/106

- sign 7.978+/-0.057 χ^2/NDF: 29507.3/54

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -5.404+/-0.098 χ^2/NDF: 22064.3/26

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -4.906+/-0.092 χ^2/NDF: 24838.7/31

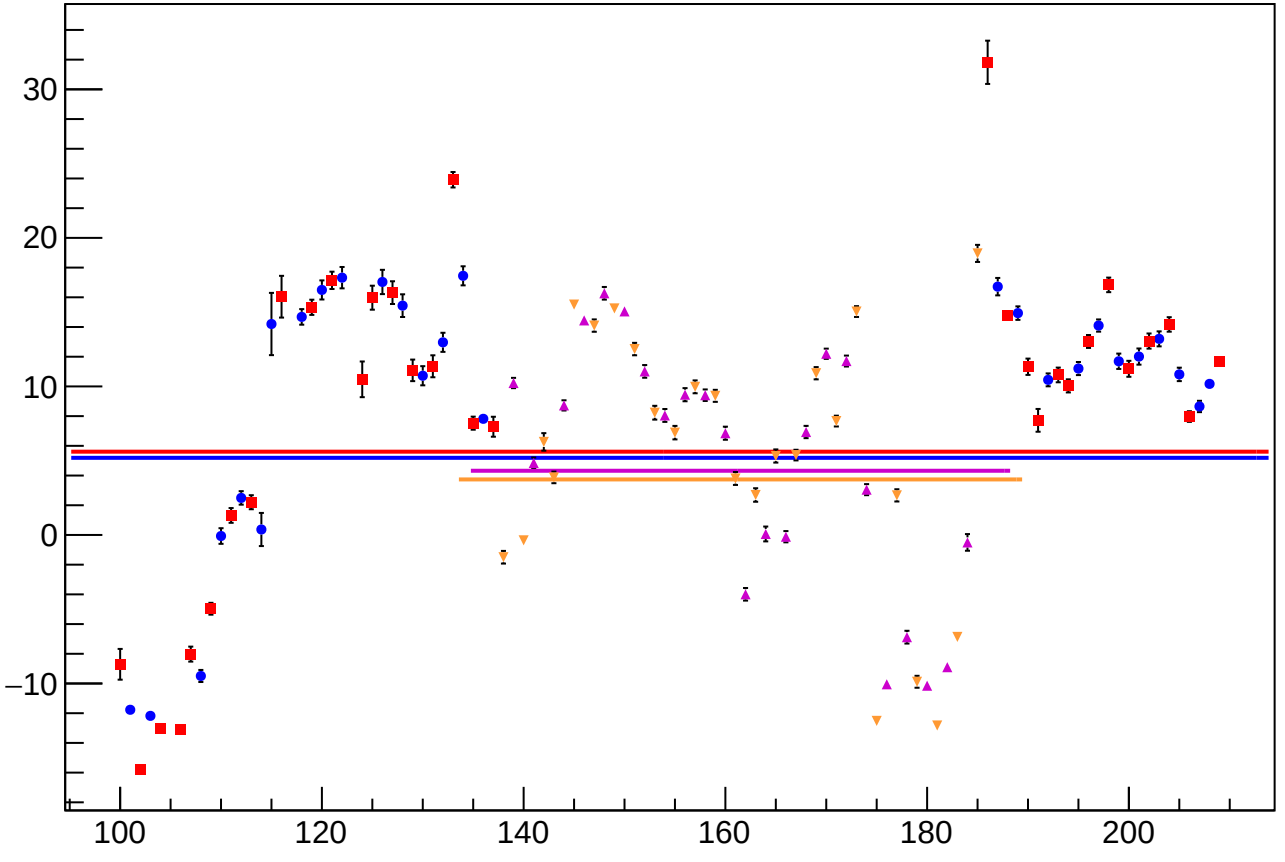
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.162+/-0.050 χ^2/NDF: 36054.1/51

All: 1.002+/-0.036 χ^2/NDF: 73294.0/106

- sign 0.839+/-0.051 χ^2/NDF: 37219.4/54

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.193+/-0.089 χ^2/NDF: 13868.1/26

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

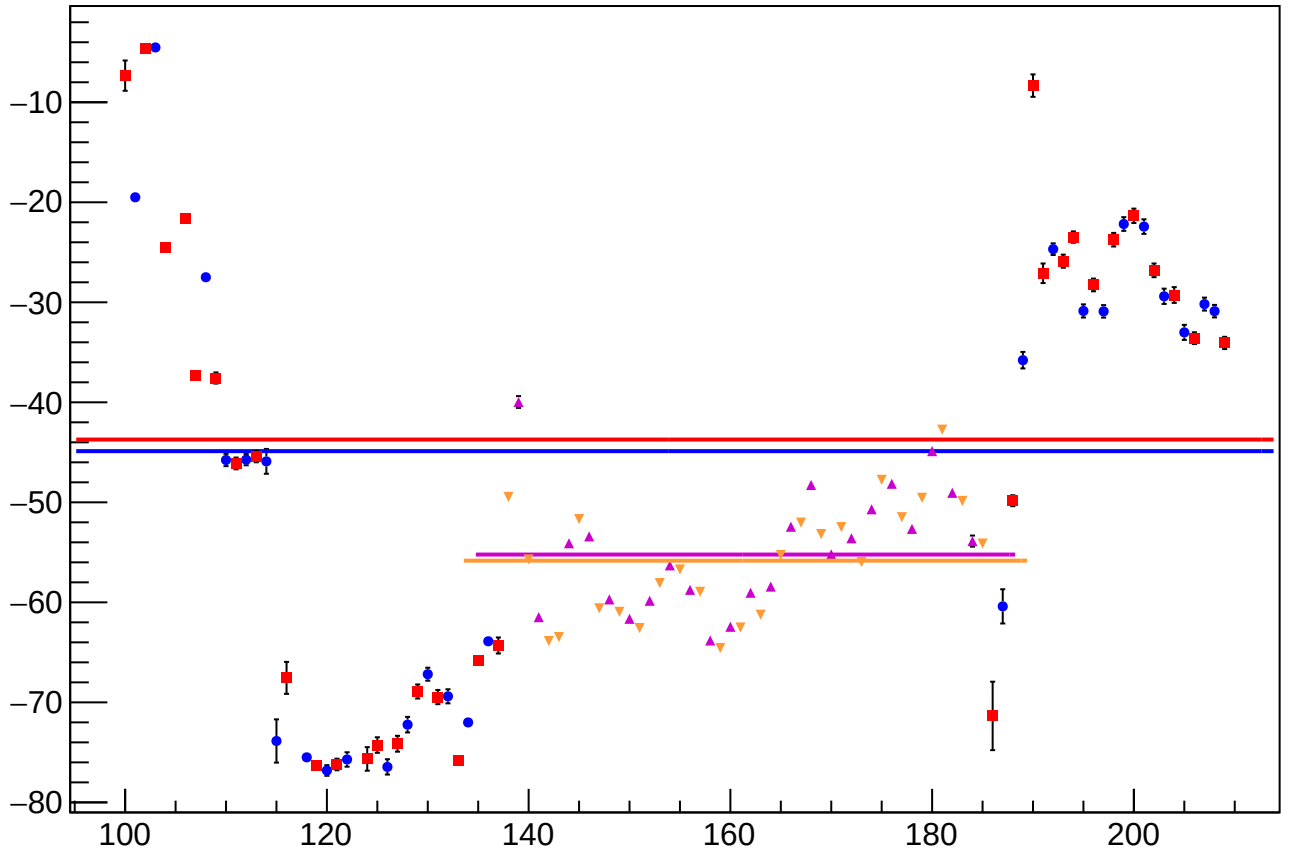
Right Out: 5.607+/-0.081 χ^2/NDF: 20388.6/31

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.355+/-0.058 χ^2/NDF: 29608.7/51

All: 4.658+/-0.040 χ^2/NDF: 62663.2/106

- sign 4.945+/-0.056 χ^2/NDF: 33001.4/54



Right In: -44.882+/-0.114 χ^2/NDF: 42055.3/26

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -43.723+/-0.108 χ^2/NDF: 43596.4/31

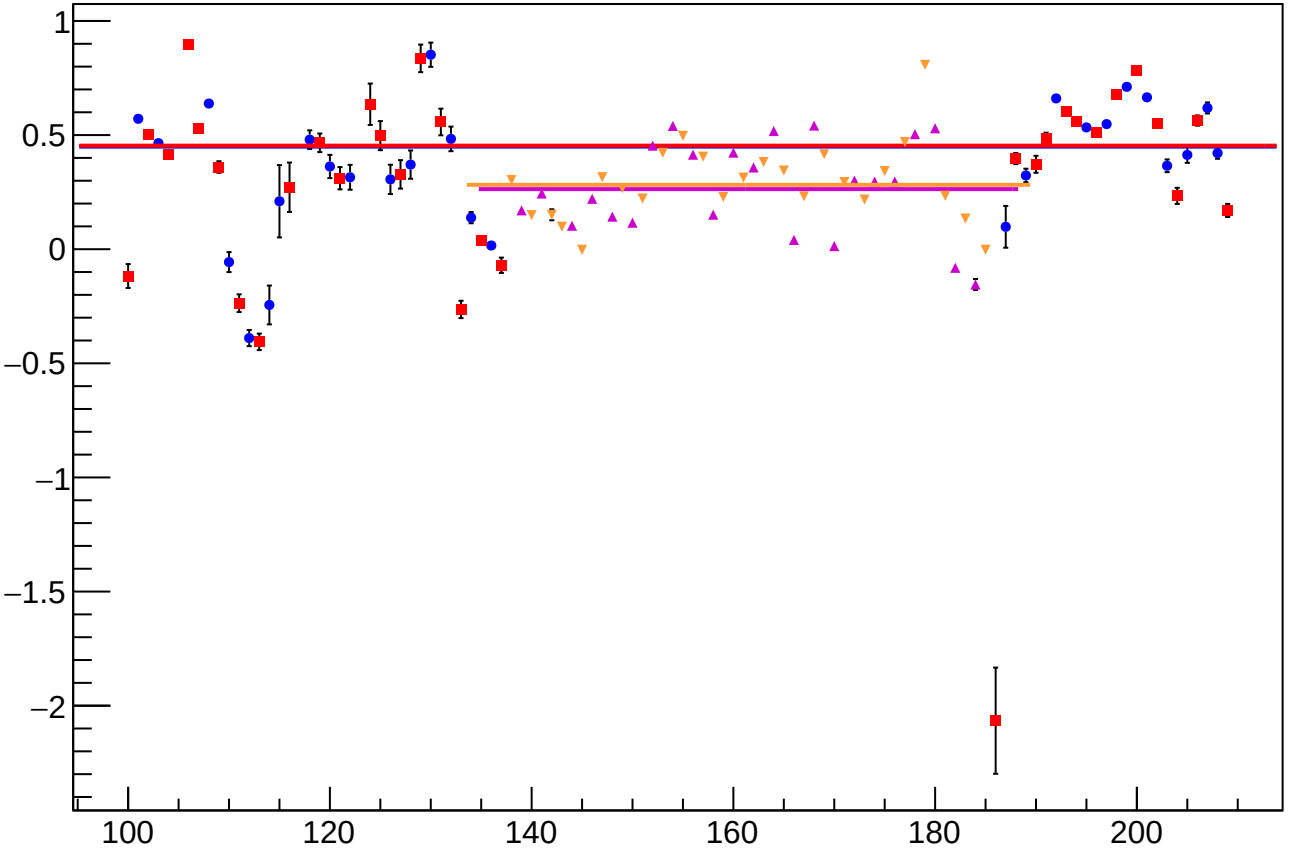
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.078+/-0.057 χ^2/NDF: 56498.5/51

All: -52.508+/-0.041 χ^2/NDF: 114667.0/106

- sign -51.926+/-0.058 χ^2/NDF: 57969.0/54

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.450+/-0.005 χ^2/NDF: 2607.7/26

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.454+/-0.004 χ^2/NDF: 3749.5/31

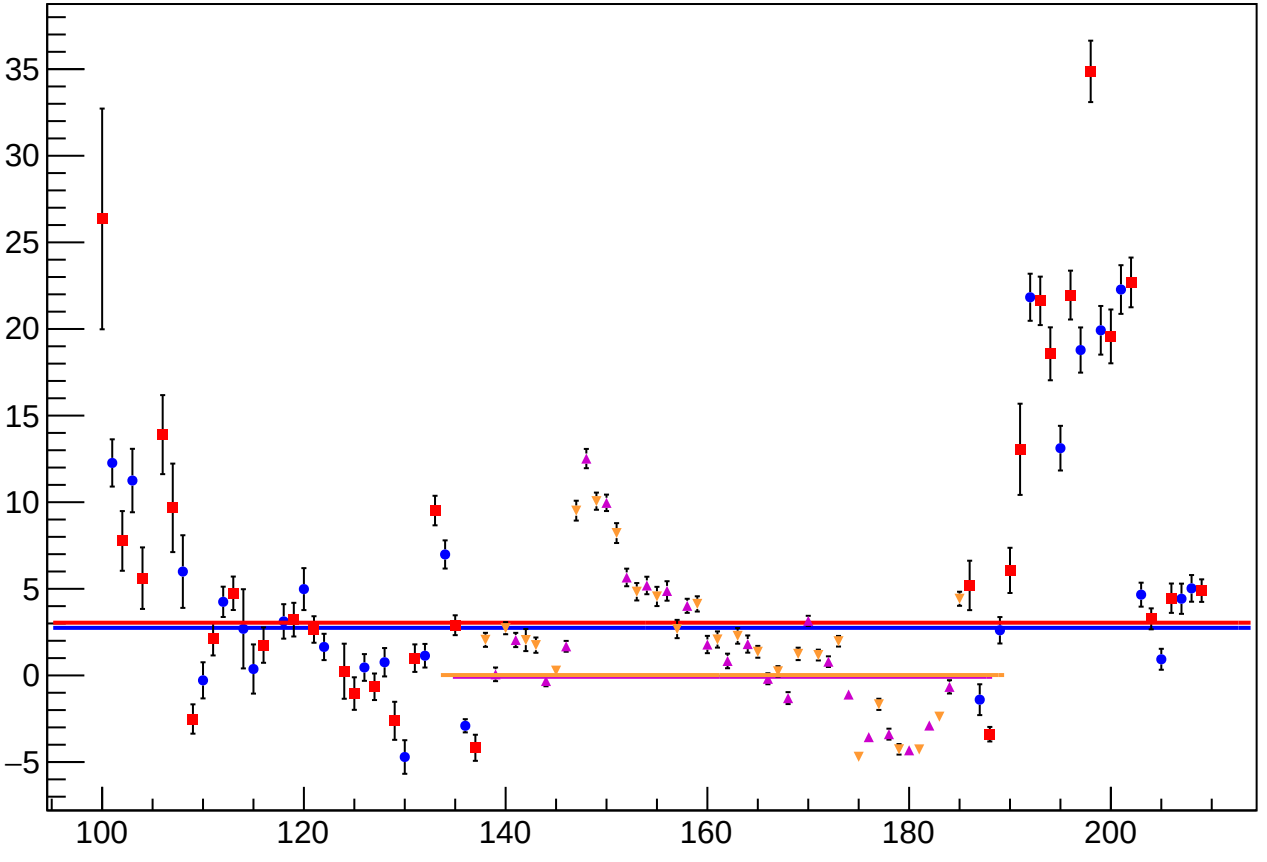
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.330+/-0.003 χ^2/NDF: 6214.1/51

All: 0.327+/-0.002 χ^2/NDF: 15054.7/106

- sign 0.324+/-0.003 χ^2/NDF: 8838.1/54

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.747+/-0.167 χ^2/NDF: 1225.2/26

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

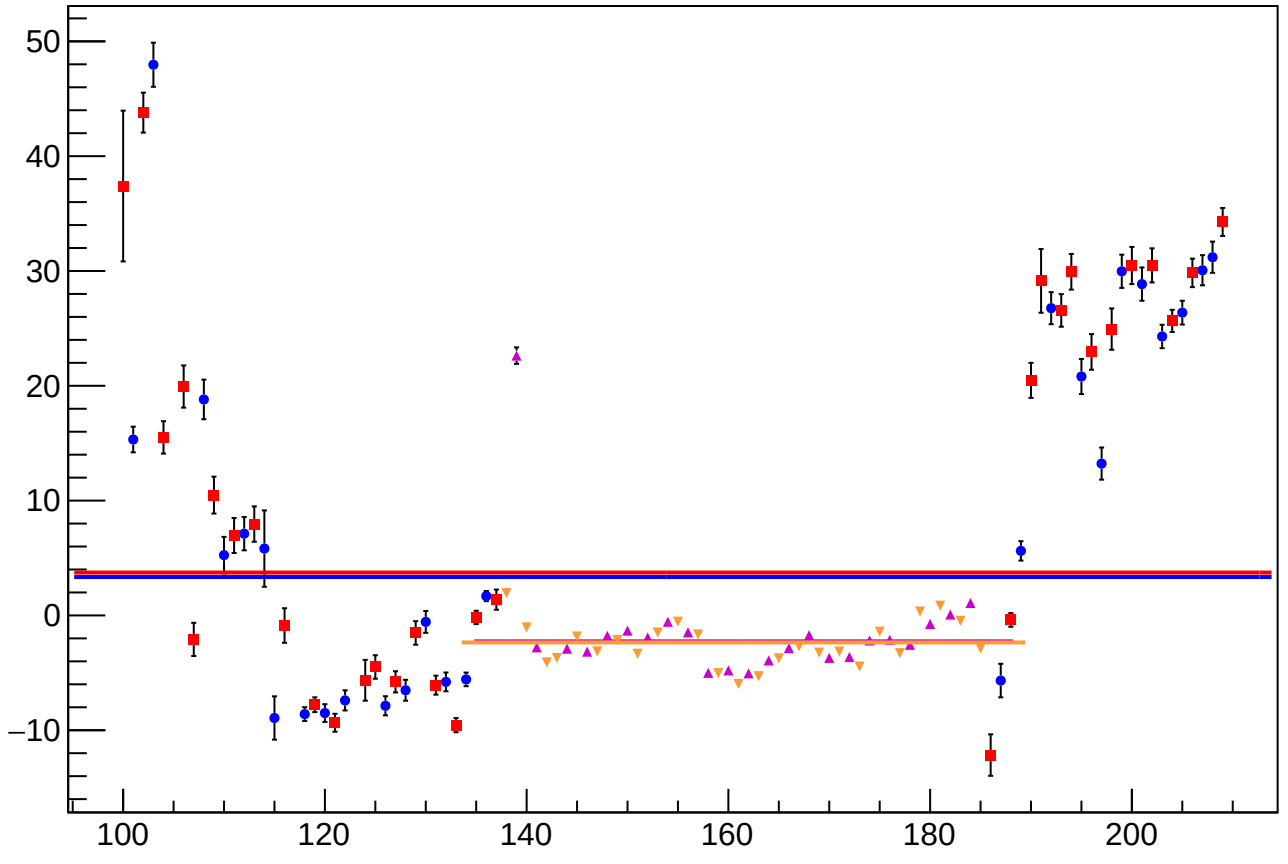
Right Out: 3.044+/-0.166 χ^2/NDF: 1680.2/31

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.413+/-0.063 χ^2/NDF: 4211.5/51

All: 0.406+/-0.045 χ^2/NDF: 8655.2/106

- sign 0.399+/-0.065 χ^2/NDF: 4443.6/54



Right In: 3.344+/-0.186 χ^2/NDF: 5153.5/26

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

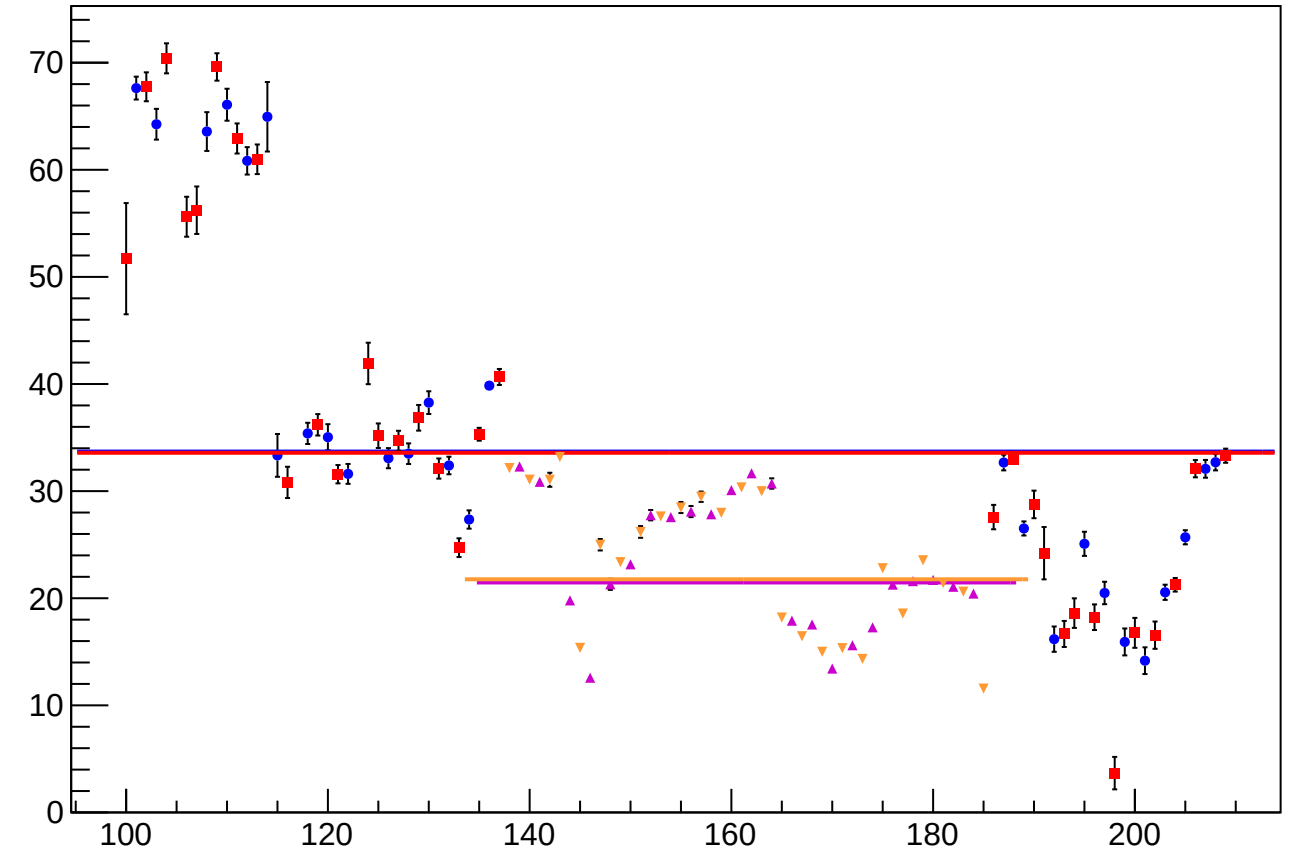
Right Out: 3.737+/-0.190 χ^2/NDF: 5585.9/31

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

\+ sign -1.893+/-0.053 χ^2/NDF: 7140.1/51

All: -1.835+/-0.038 χ^2/NDF: 15517.8/106

\- sign -1.773+/-0.054 χ^2/NDF: 8375.2/54



Right In: 33.693+/-0.172 χ^2/NDF: 4586.8/26

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.583+/-0.167 χ^2/NDF: 5088.8/31

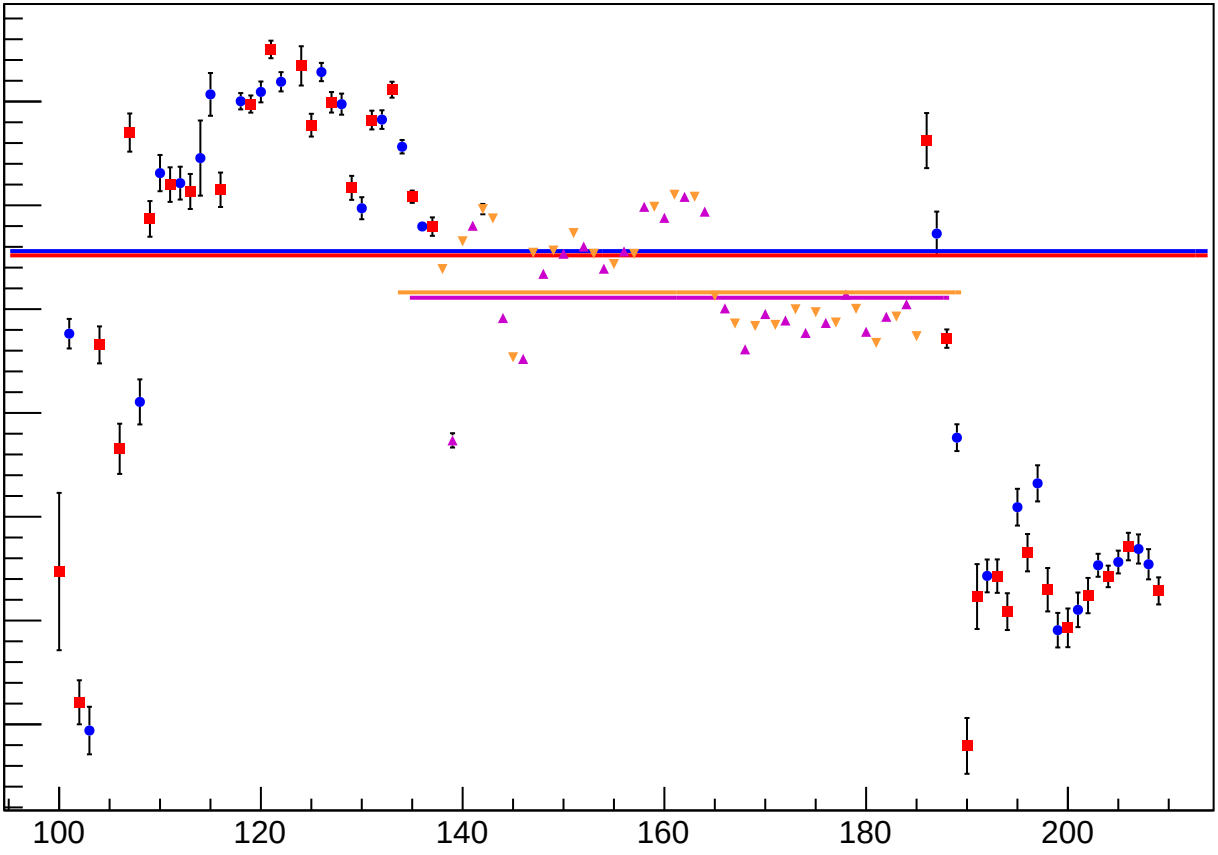
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

\+ sign 23.423+/-0.064 χ^2/NDF: 15563.0/51

All: 23.370+/-0.046 χ^2/NDF: 30918.1/106

\- sign 23.315+/-0.065 χ^2/NDF: 15353.6/54

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 45.590+/-0.210 χ^2/NDF: 6717.1/26

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 45.179+/-0.219 χ^2/NDF: 7133.5/31

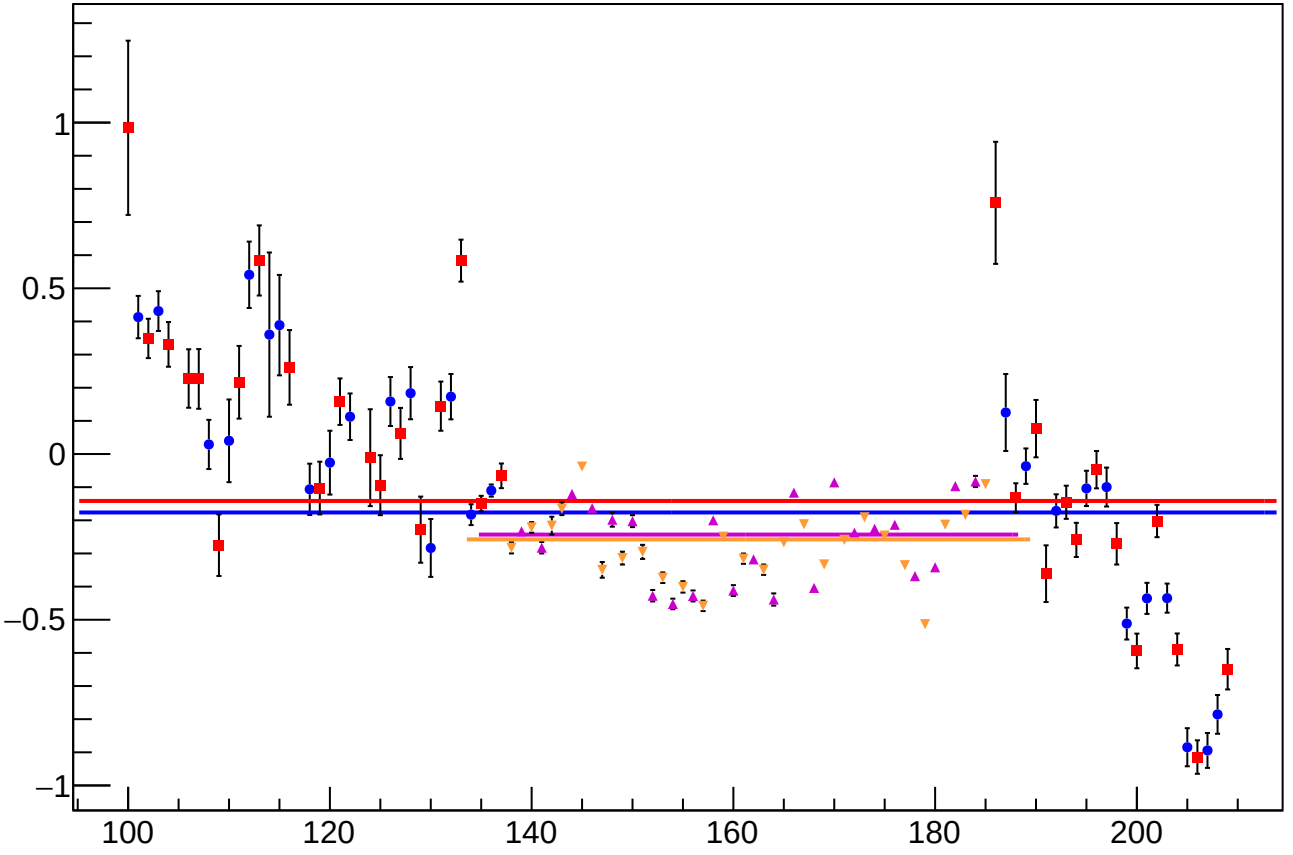
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

\+ sign 41.926+/-0.059 χ^2/NDF: 12824.2/51

All: 41.673+/-0.042 χ^2/NDF: 25795.0/106

\- sign 41.407+/-0.060 χ^2/NDF: 12932.8/54

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.176+/-0.010 χ^2/NDF: 947.2/26

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

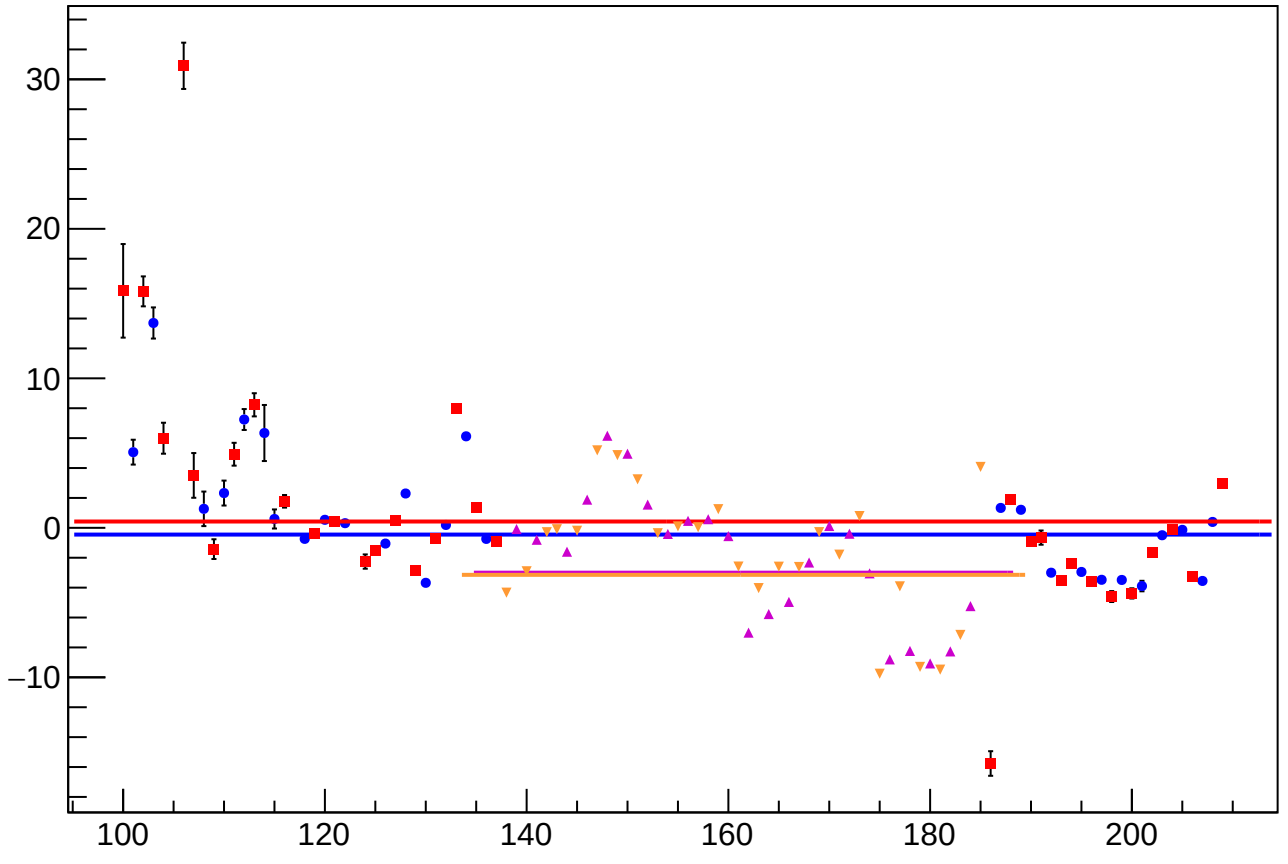
Right Out: -0.142+/-0.011 χ^2/NDF: 934.8/31

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.252+/-0.003 χ^2/NDF: 2523.3/51

All: -0.244+/-0.002 χ^2/NDF: 5373.5/106

- sign -0.237+/-0.003 χ^2/NDF: 2833.0/54



Right In: -0.451+/-0.052 χ^2/NDF: 1991.6/26

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.423+/-0.049 χ^2/NDF: 4710.2/31

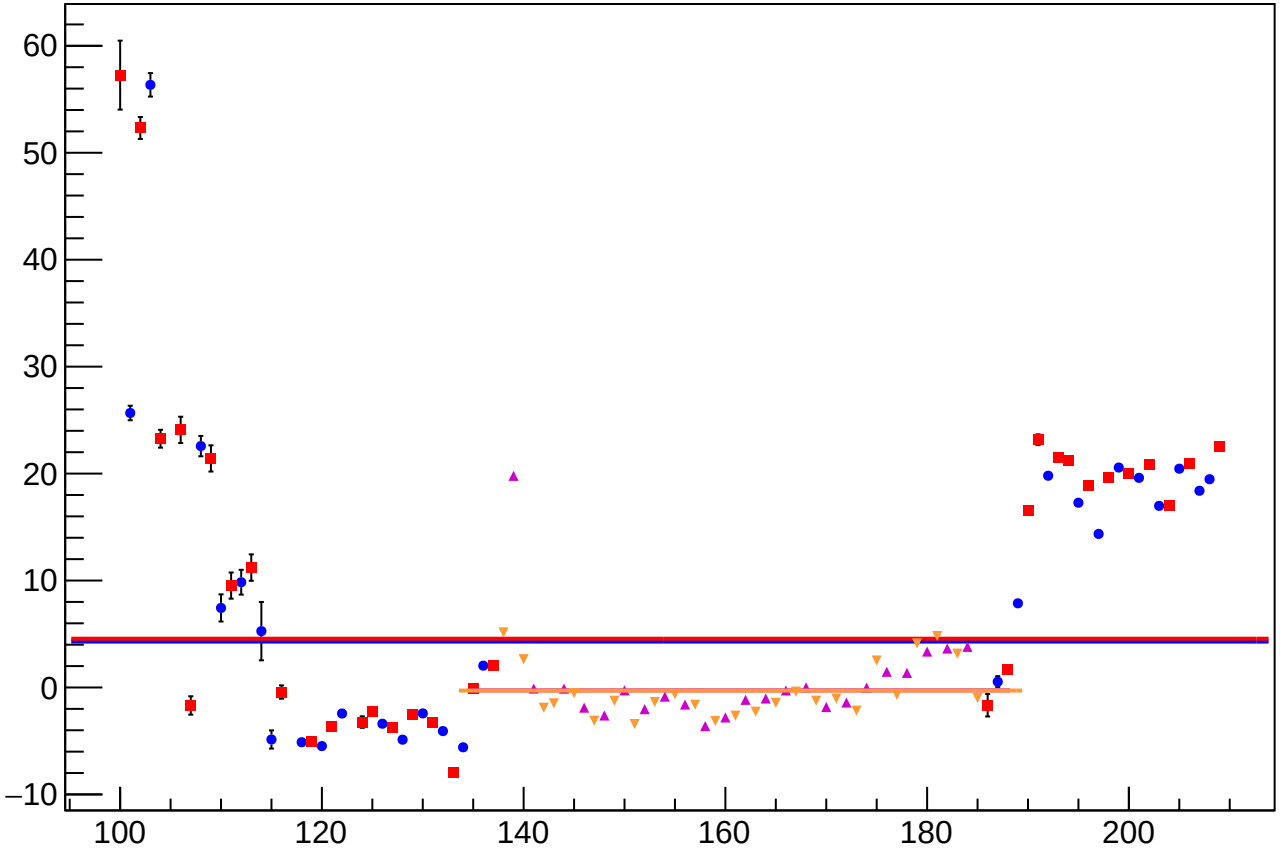
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.546+/-0.024 χ^2/NDF: 29446.6/51

All: -2.342+/-0.017 χ^2/NDF: 60370.1/106

- sign -2.135+/-0.025 χ^2/NDF: 30783.7/54

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.294+/-0.056 χ^2/NDF: 36734.6/26

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 4.560+/-0.054 χ^2/NDF: 47214.7/31

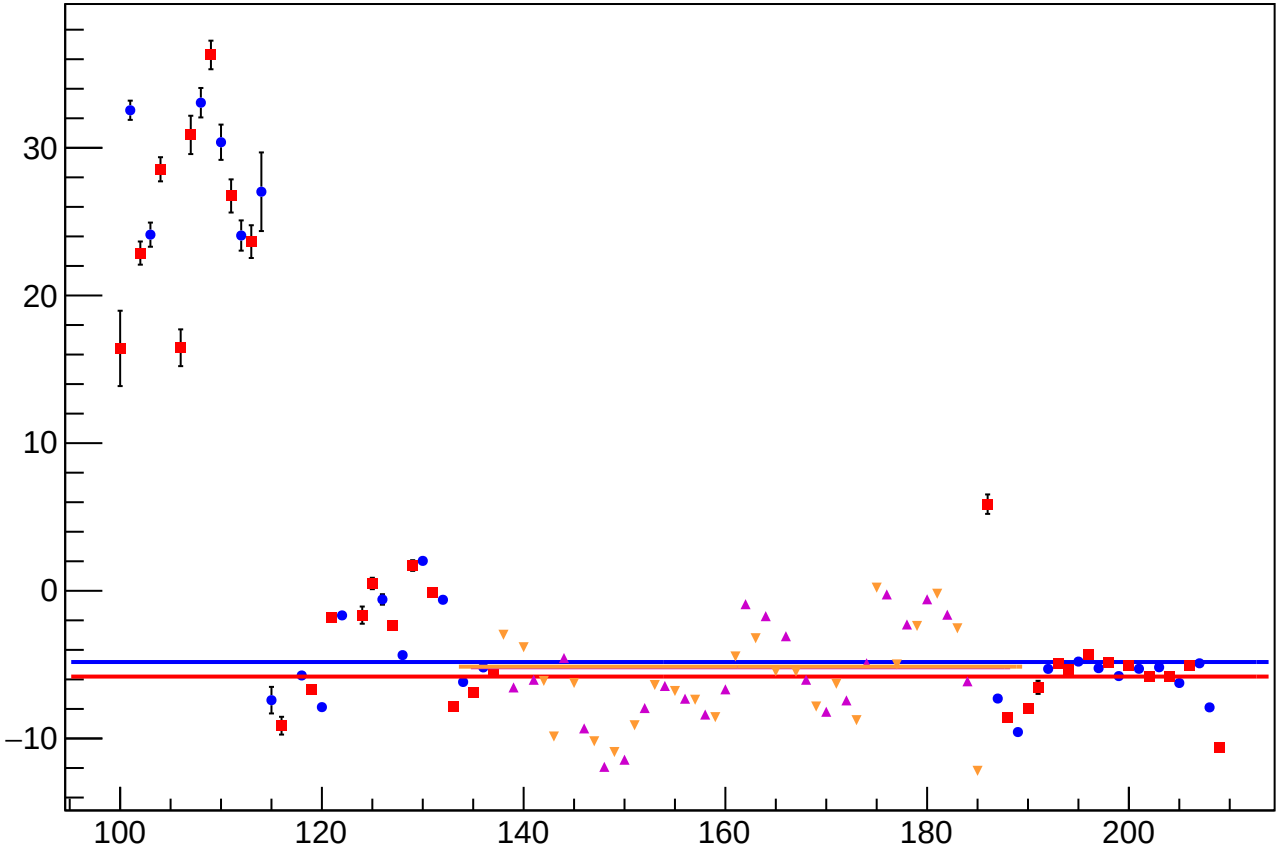
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.307+/-0.020 χ^2/NDF: 54667.0/51

All: 0.369+/-0.014 χ^2/NDF: 121956.5/106

- sign 0.432+/-0.021 χ^2/NDF: 67270.9/54

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.822+/-0.052 χ^2/NDF: 9853.2/26

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.808+/-0.047 χ^2/NDF: 11502.2/31

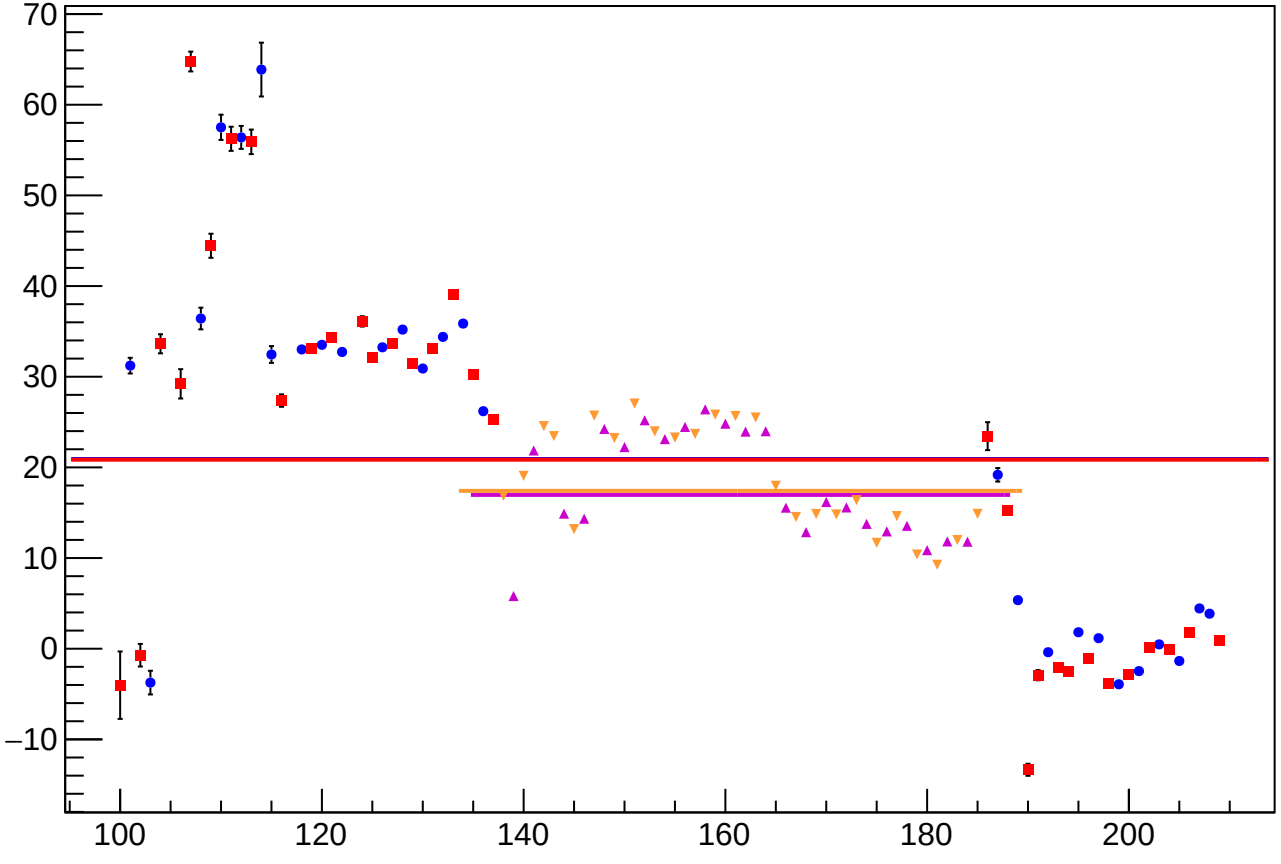
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.067+/-0.024 χ^2/NDF: 24508.0/51

All: -5.207+/-0.017 χ^2/NDF: 50169.0/106

- sign -5.344+/-0.024 χ^2/NDF: 25596.6/54

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 20.920+/-0.065 χ^2/NDF: 56152.3/26

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 20.852+/-0.063 χ^2/NDF: 71597.1/31

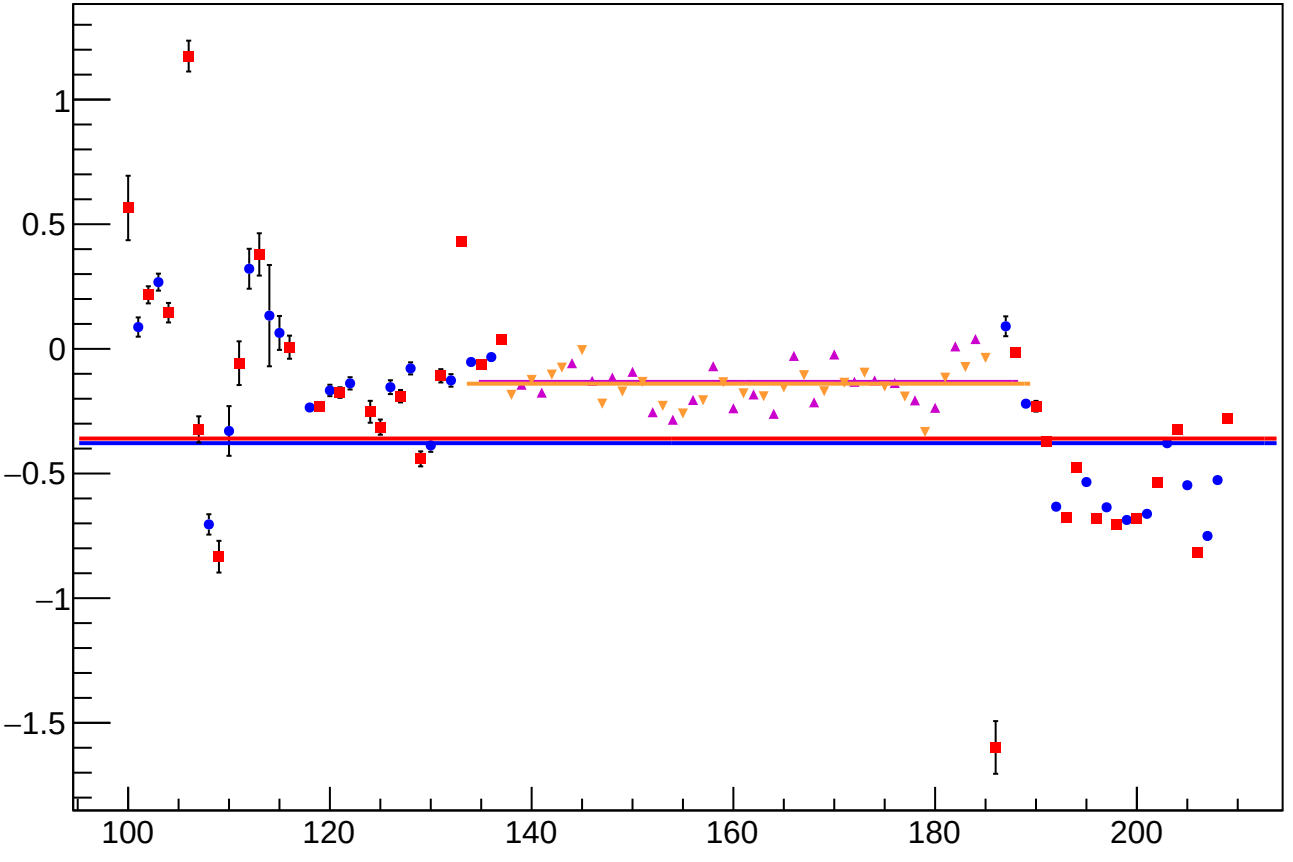
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.845+/-0.023 χ^2/NDF: 109343.5/51

All: 17.672+/-0.016 χ^2/NDF: 224267.9/106

- sign 17.494+/-0.023 χ^2/NDF: 114808.8/54

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.378+/-0.003 χ^2/NDF: 8381.6/26

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

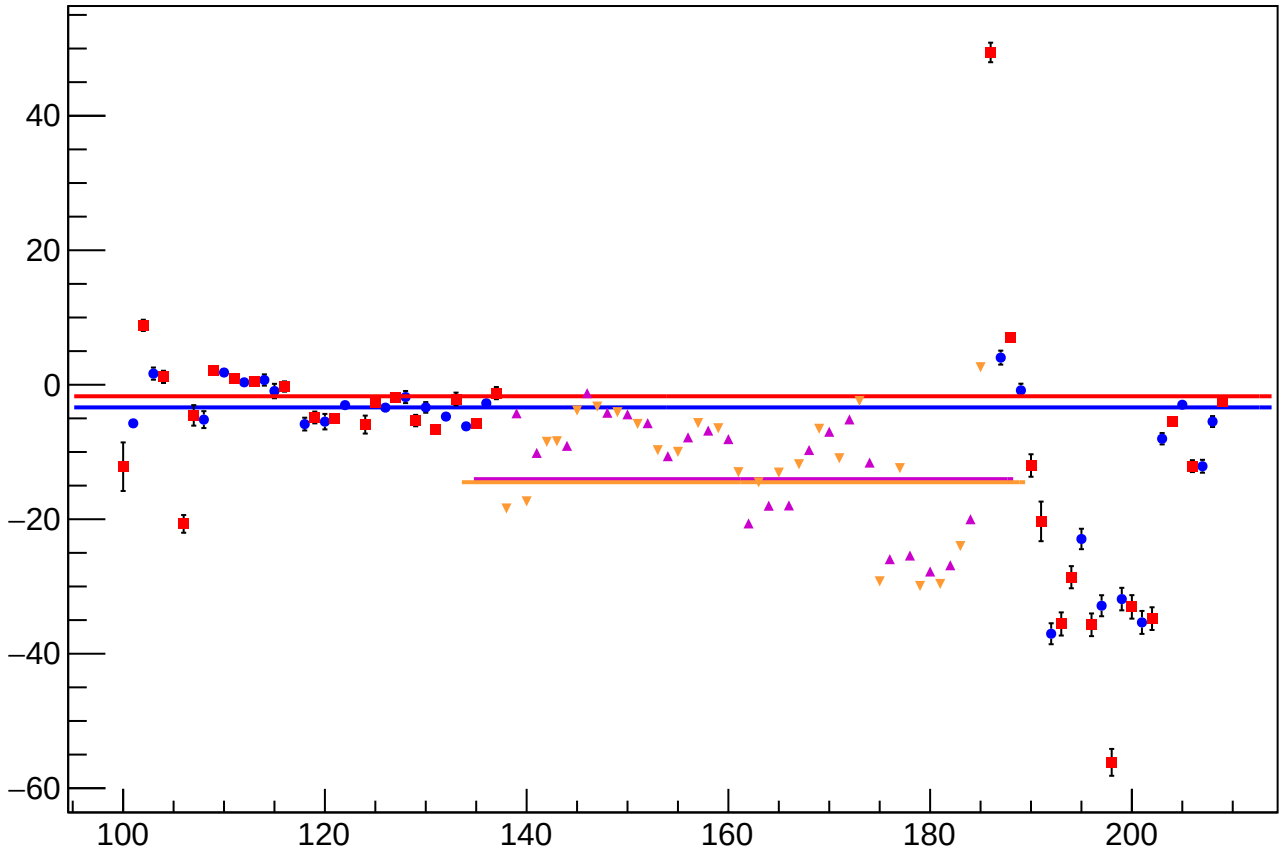
Right Out: -0.360+/-0.003 χ^2/NDF: 12770.9/31

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.168+/-0.001 χ^2/NDF: 18152.4/51

All: -0.165+/-0.001 χ^2/NDF: 41905.0/106

- sign -0.162+/-0.001 χ^2/NDF: 23736.2/54



Right In: -3.367+/-0.141 χ^2/NDF: 2206.5/26

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.713+/-0.132 χ^2/NDF: 5033.9/31

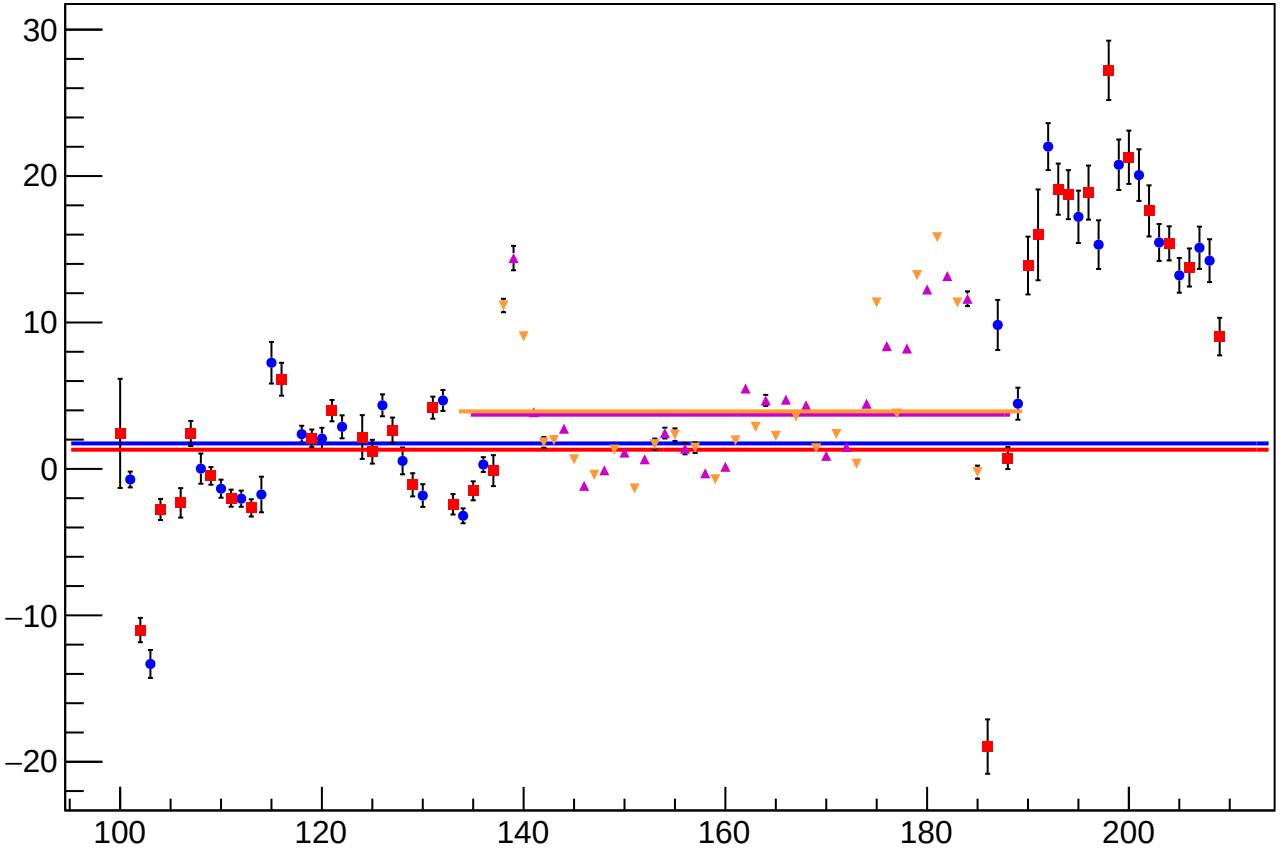
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.046+/-0.066 χ^2/NDF: 24312.2/51

All: -11.489+/-0.047 χ^2/NDF: 49471.6/106

- sign -10.926+/-0.066 χ^2/NDF: 25016.3/54

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.741+/-0.161 χ^2/NDF: 1455.5/26

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.312+/-0.162 χ^2/NDF: 1592.2/31

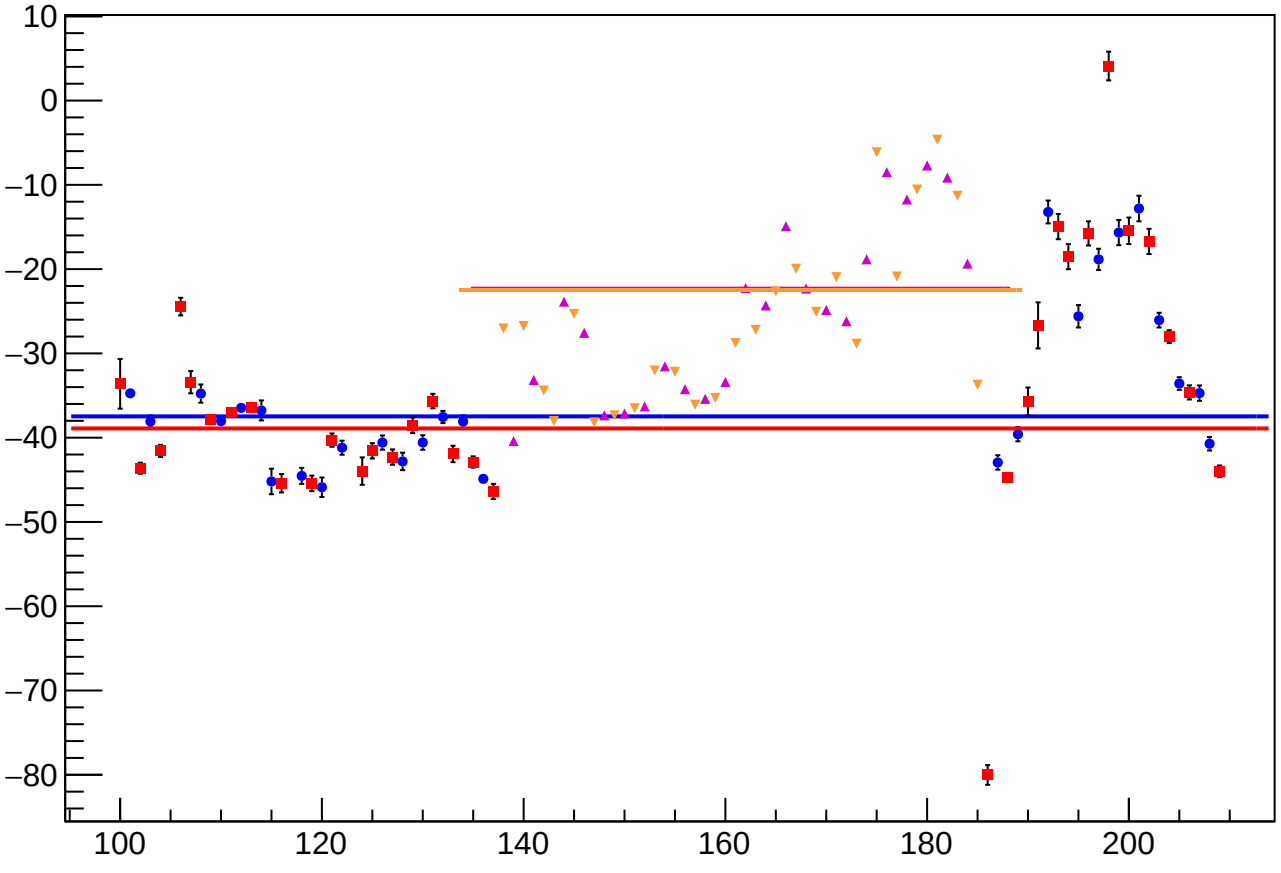
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.681+/-0.054 χ^2/NDF: 8598.8/51

All: 3.554+/-0.039 χ^2/NDF: 15182.5/106

\- sign 3.421+/-0.056 χ^2/NDF: 6572.6/54

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.473+/-0.154 χ^2/NDF: 1899.5/26

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.905+/-0.149 χ^2/NDF: 4090.3/31

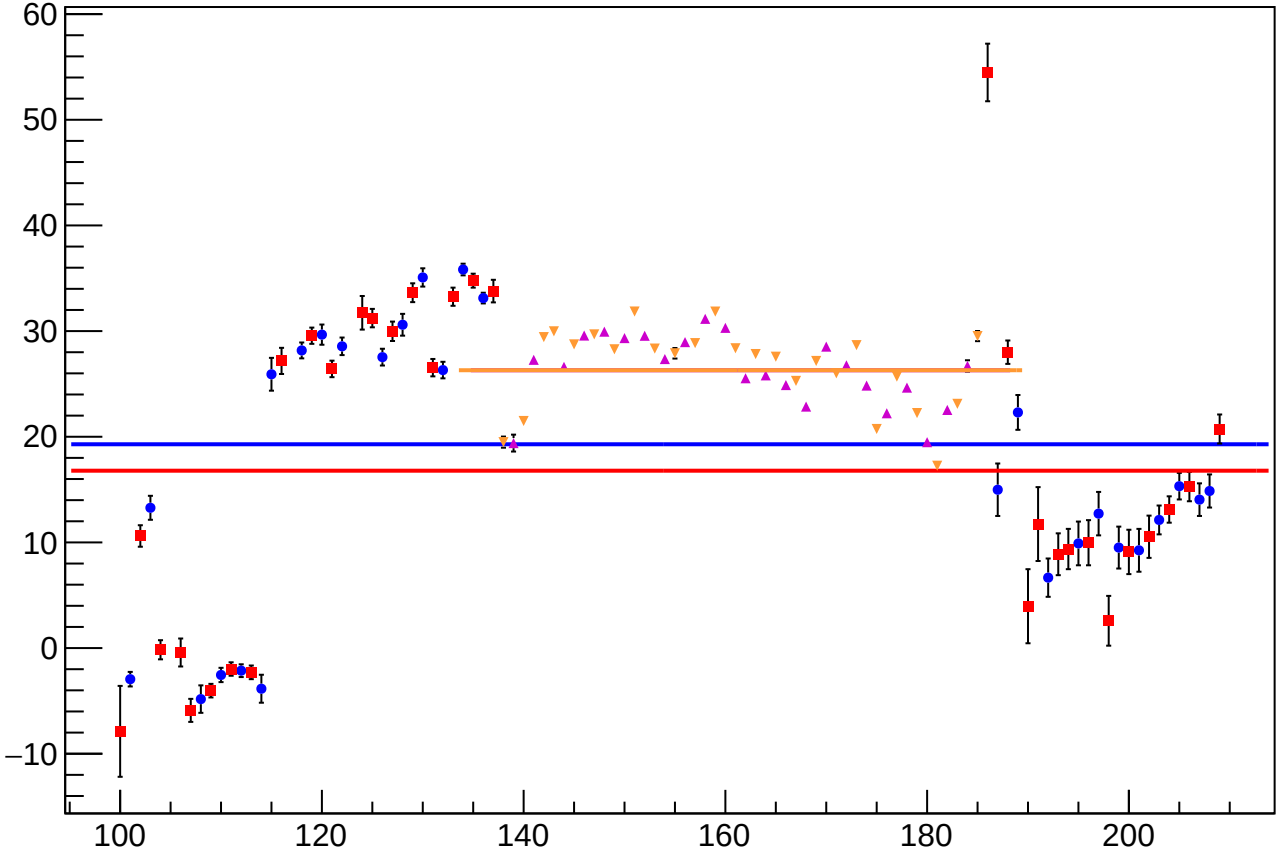
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.329+/-0.067 χ^2/NDF: 29960.8/51

All: -25.554+/-0.048 χ^2/NDF: 60999.3/106

- sign -25.785+/-0.068 χ^2/NDF: 31015.9/54

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.289+/-0.182 χ^2/NDF: 6895.0/26

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.787+/-0.185 χ^2/NDF: 7167.3/31

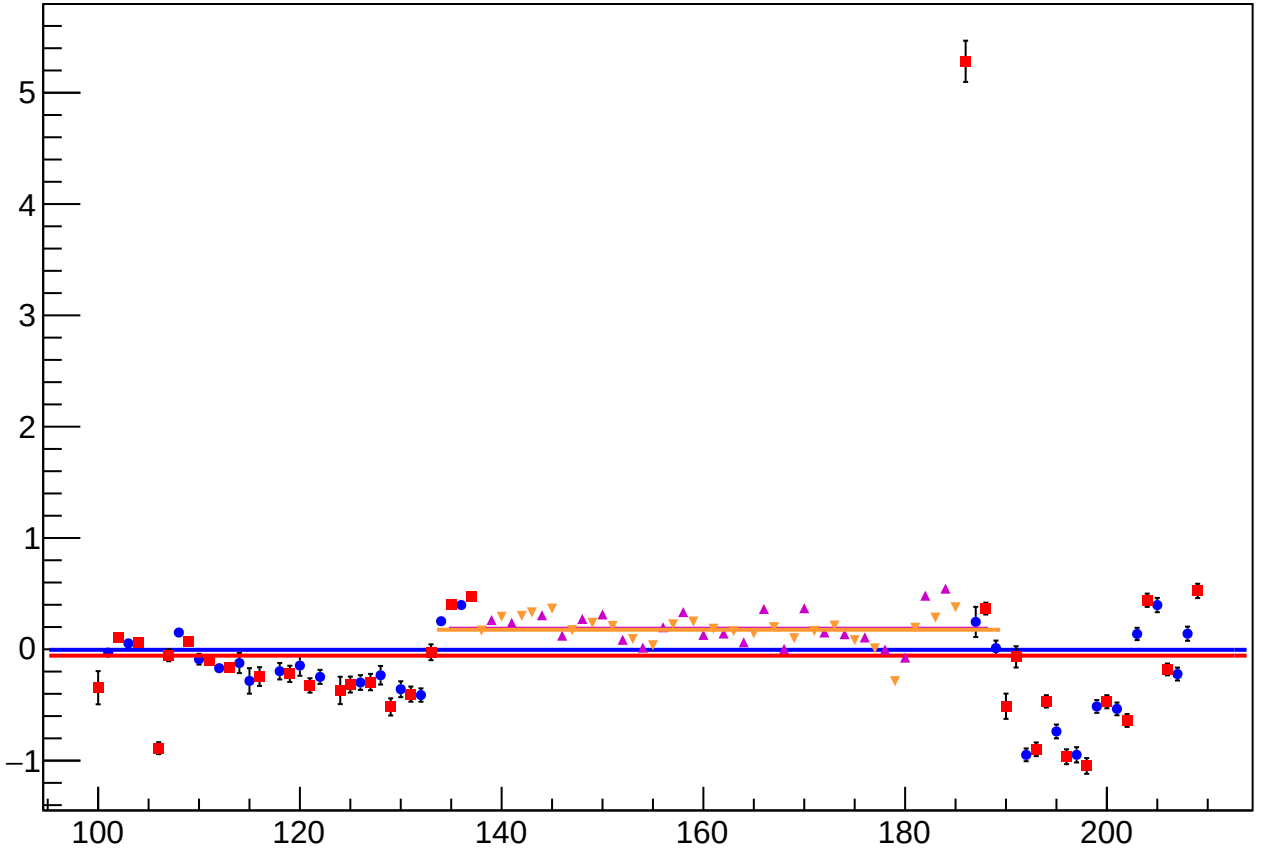
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

\+ sign 25.502+/-0.061 χ^2/NDF: 11516.5/51

All: 25.354+/-0.044 χ^2/NDF: 23222.6/106

\- sign 25.199+/-0.063 χ^2/NDF: 11694.2/54

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.005+/-0.009 χ^2/NDF: 1477.2/26

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

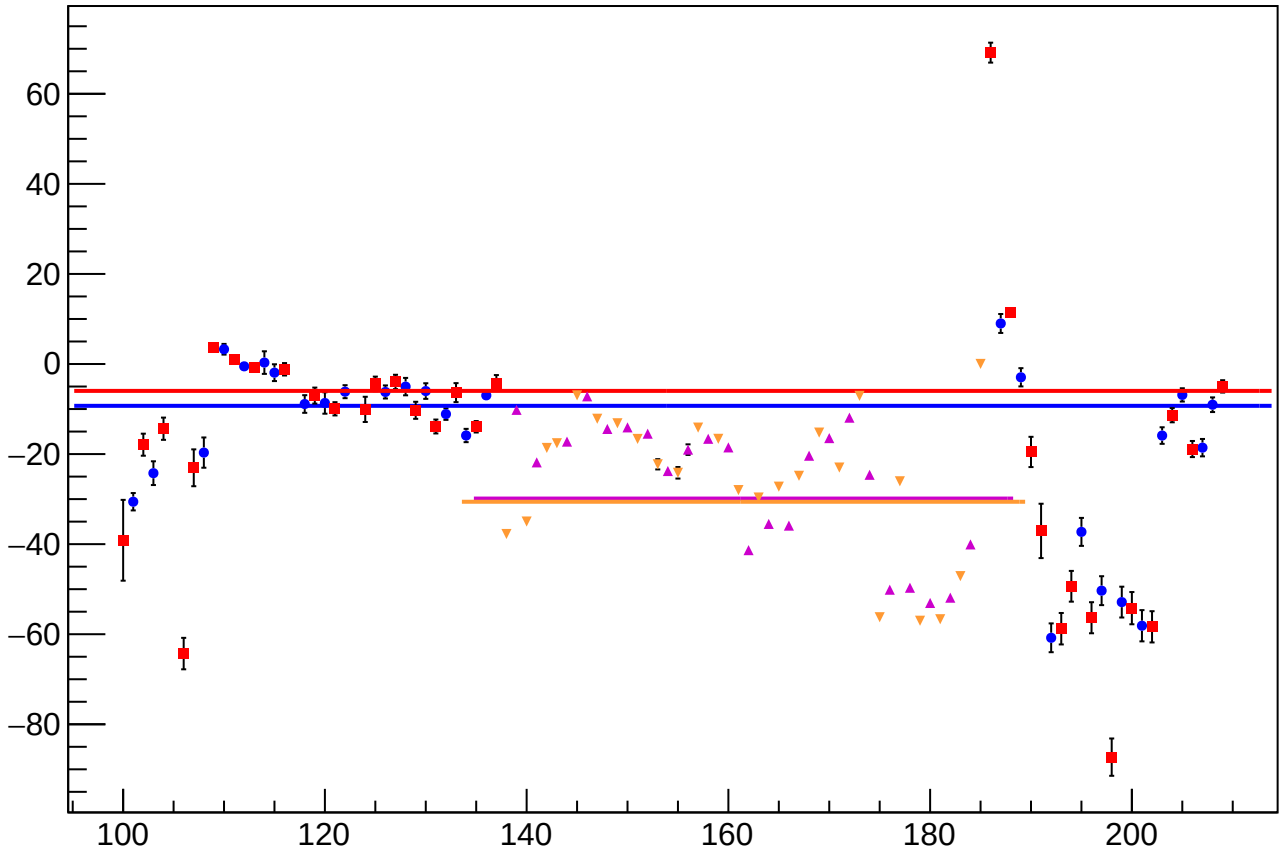
Right Out: -0.057+/-0.009 χ^2/NDF: 2712.6/31

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.159+/-0.003 χ^2/NDF: 3766.6/51

All: 0.161+/-0.002 χ^2/NDF: 9619.5/106

- sign 0.163+/-0.003 χ^2/NDF: 5851.8/54



Right In: -9.286+/-0.326 χ^2/NDF: 1420.6/26

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.970+/-0.313 χ^2/NDF: 3506.5/31

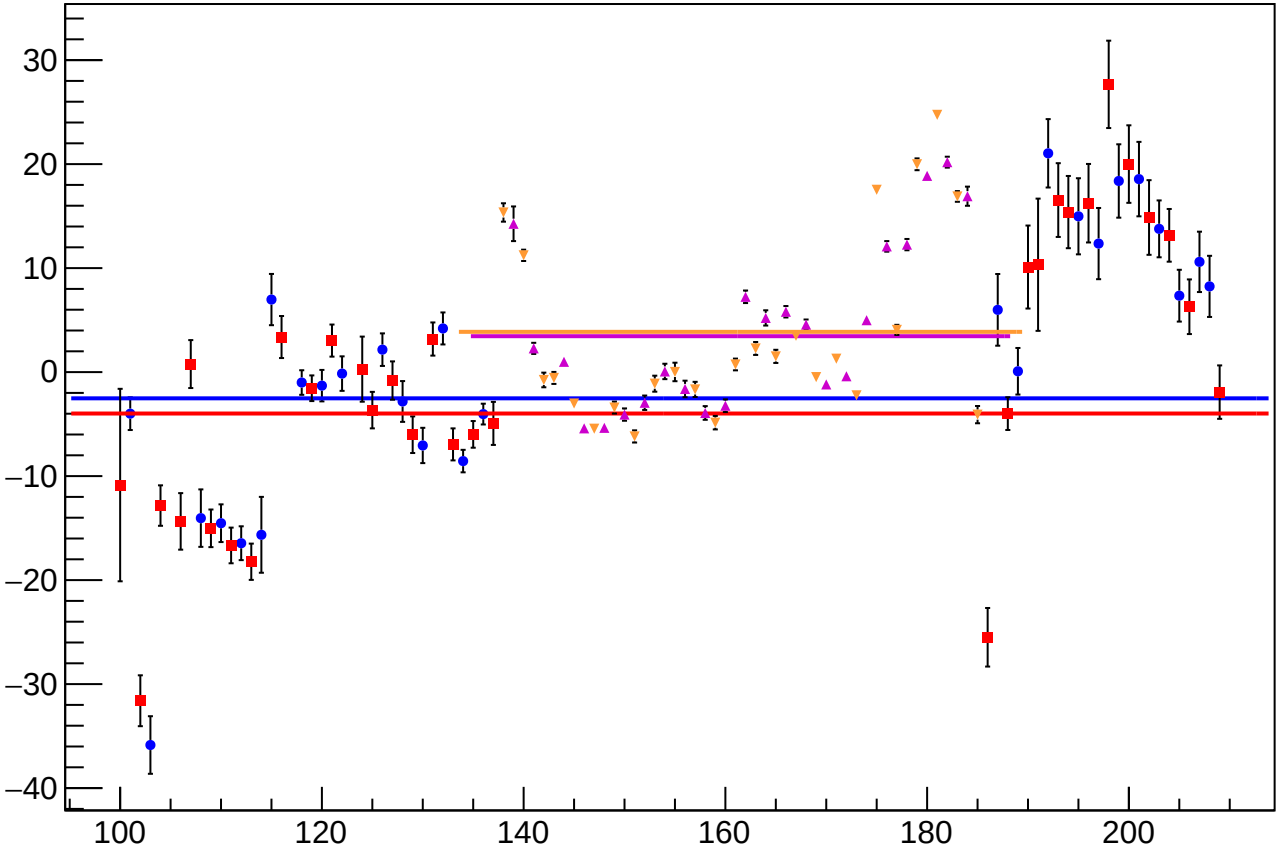
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -27.180+/-0.130 χ^2/NDF: 21059.1/51

All: -26.404+/-0.093 χ^2/NDF: 41455.2/106

\- sign -25.601+/-0.132 χ^2/NDF: 20323.9/54

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.522+/-0.362 χ^2/NDF: 636.6/26

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.982+/-0.371 χ^2/NDF: 753.3/31

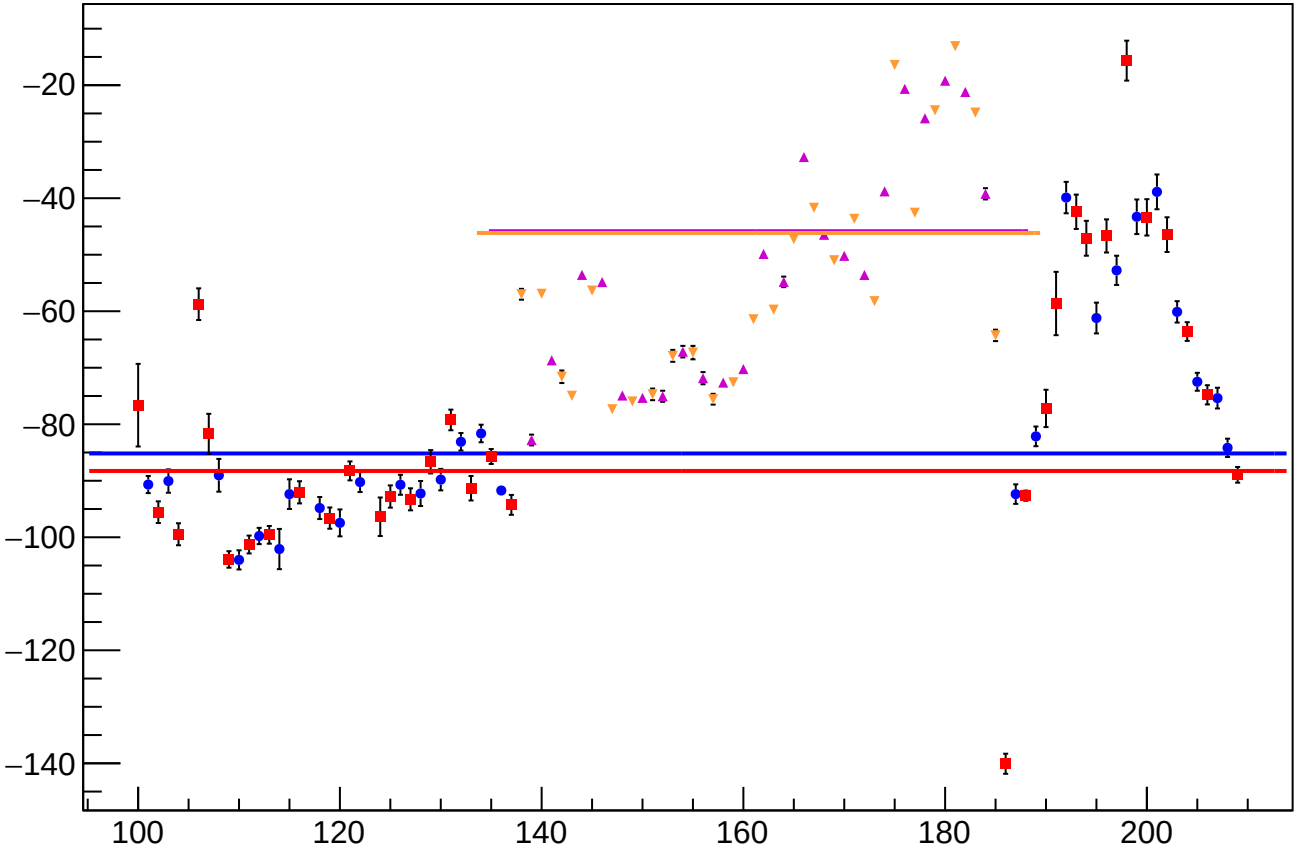
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.322+/-0.106 χ^2/NDF: 7463.5/51

All: 3.074+/-0.076 χ^2/NDF: 13289.1/106

- sign 2.814+/-0.109 χ^2/NDF: 5814.5/54

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.168+/-0.349 χ^2/NDF: 1627.2/26

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.267+/-0.339 χ^2/NDF: 3089.8/31

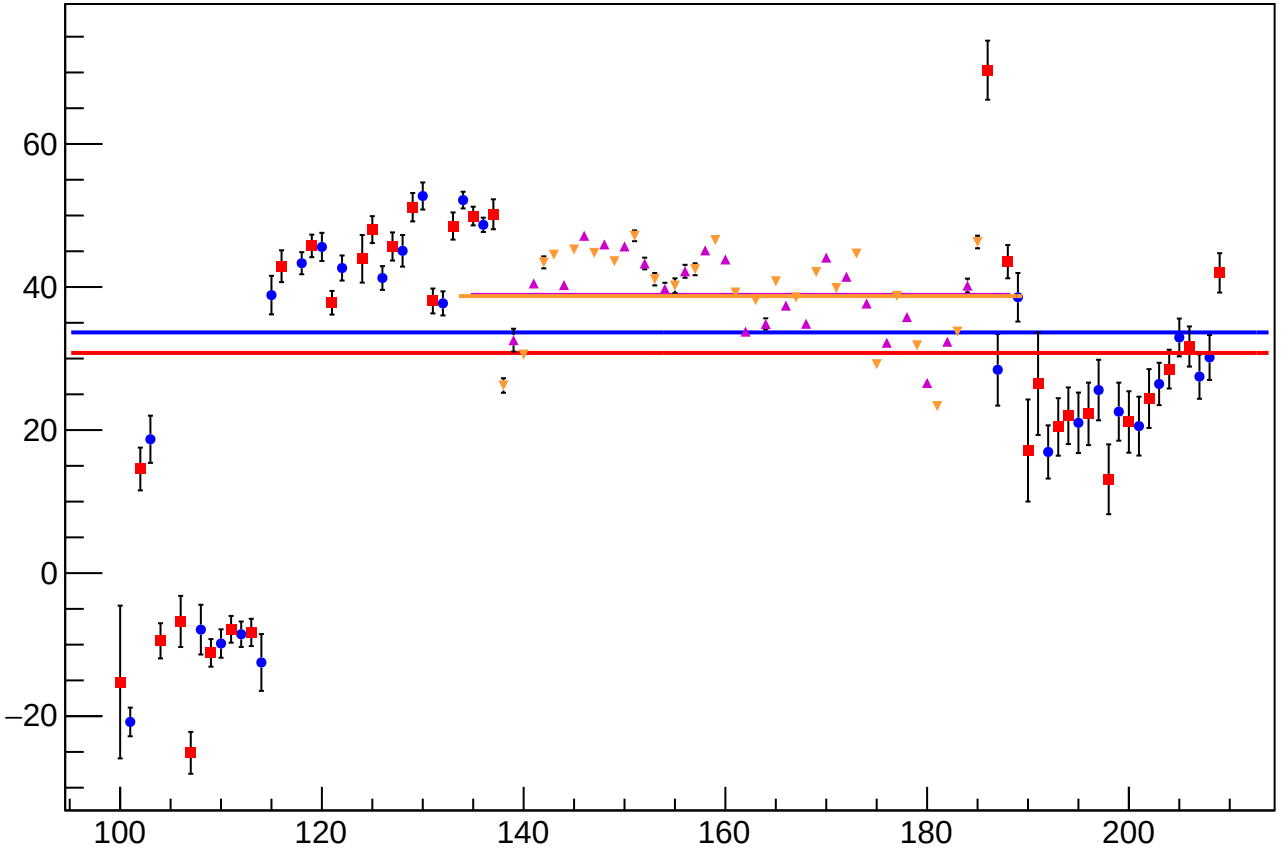
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.719+/-0.132 χ^2/NDF: 33791.4/51

All: -52.091+/-0.094 χ^2/NDF: 68041.5/106

- sign -52.475+/-0.134 χ^2/NDF: 34233.9/54

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.653+/-0.408 χ^2/NDF: 2879.7/26

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.786+/-0.423 χ^2/NDF: 3091.4/31

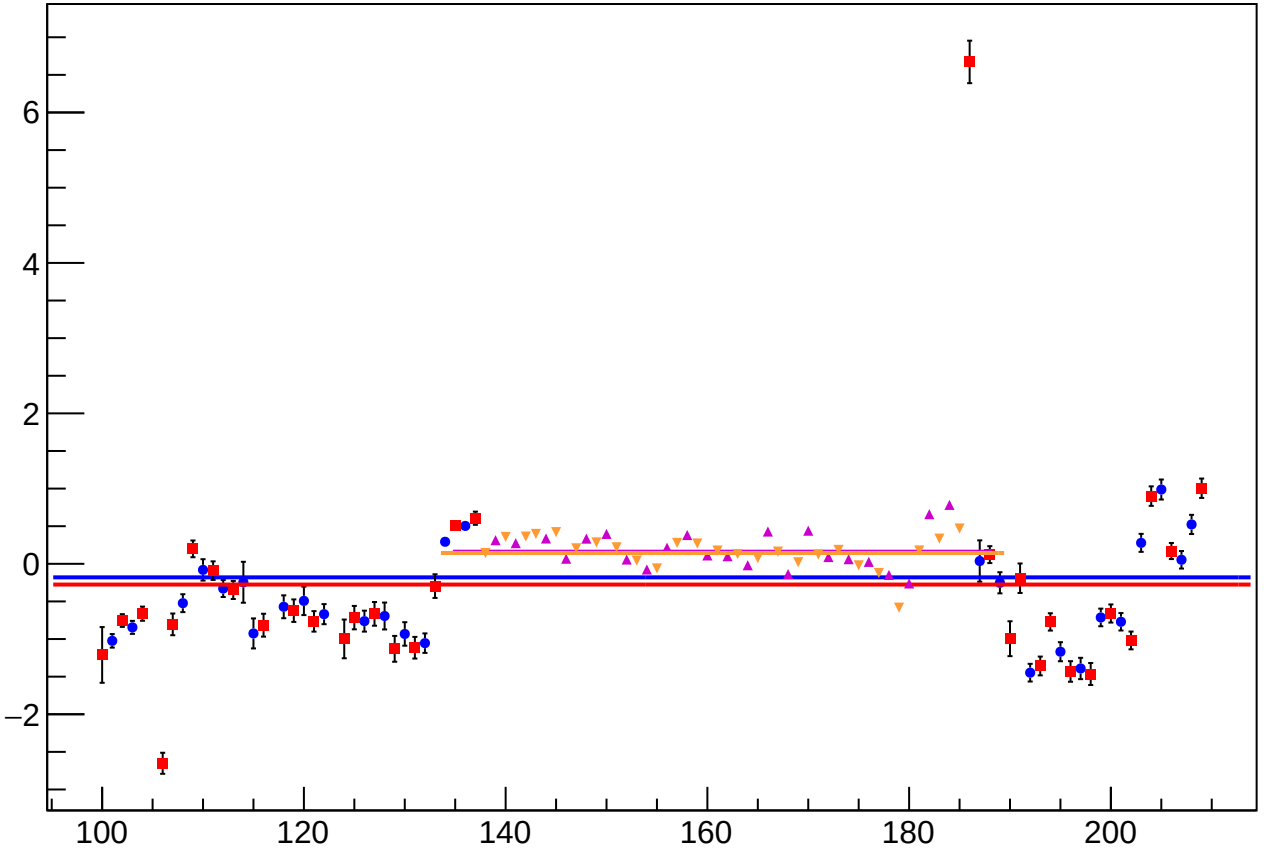
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

\+ sign 38.297+/-0.119 χ^2/NDF: 5803.2/51

All: 38.264+/-0.085 χ^2/NDF: 11204.5/106

\- sign 38.229+/-0.122 χ^2/NDF: 5401.0/54

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.180+/-0.020 χ^2/NDF: 1065.9/26

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

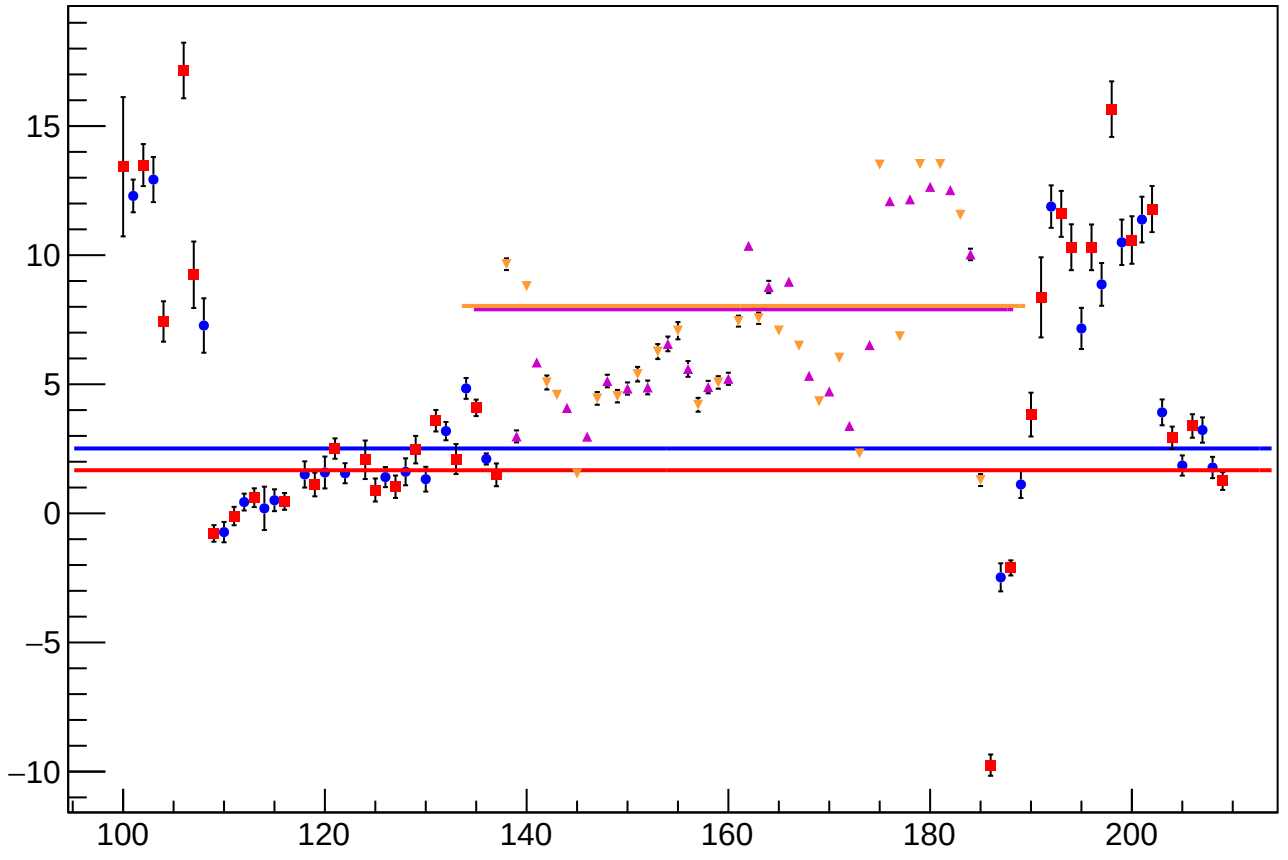
Right Out: -0.276+/-0.021 χ^2/NDF: 1928.7/31

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.121+/-0.005 χ^2/NDF: 2741.7/51

All: 0.127+/-0.004 χ^2/NDF: 6977.5/106

- sign 0.133+/-0.006 χ^2/NDF: 4233.6/54



Right In: 2.514+/-0.089 χ^2/NDF: 1122.1/26

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

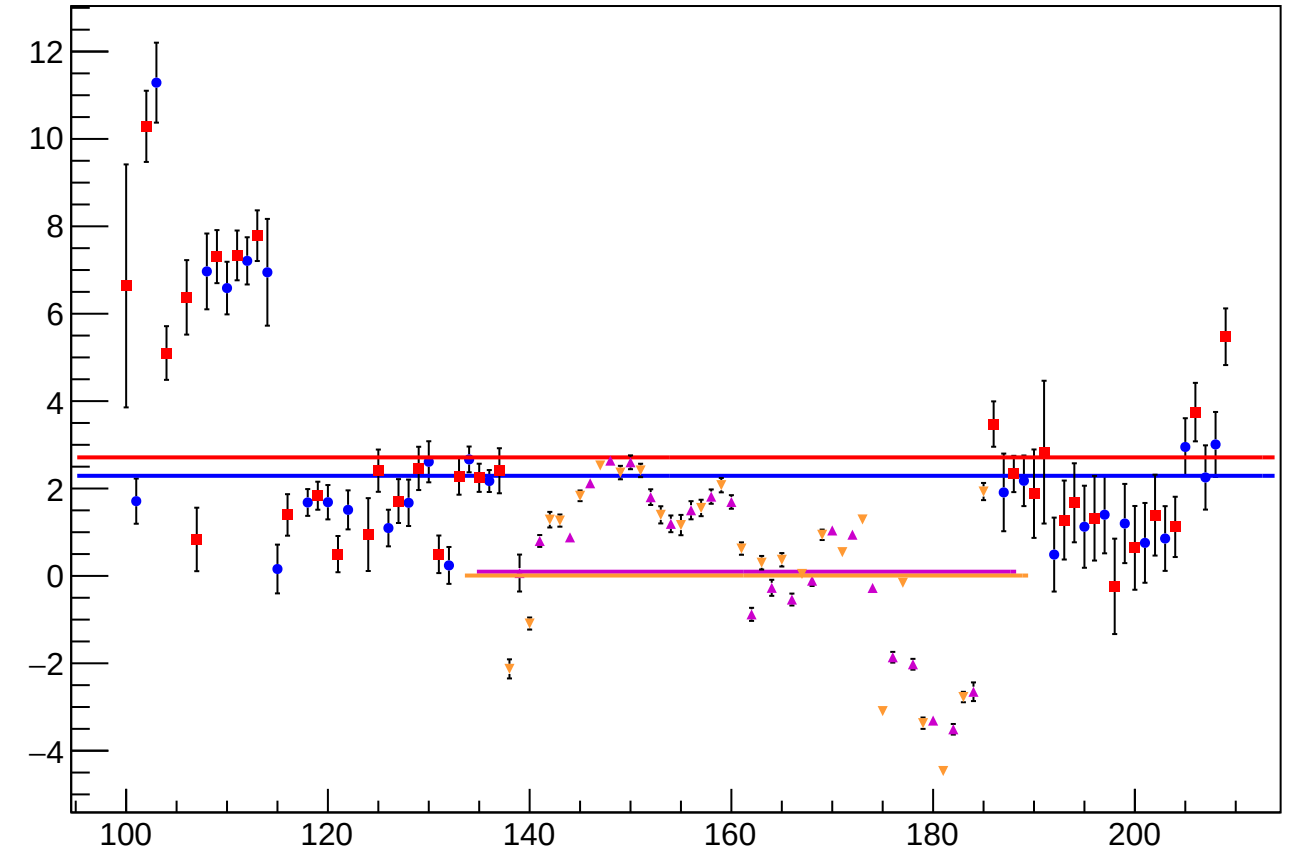
Right Out: 1.670+/-0.086 χ^2/NDF: 2410.5/31

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

\+ sign 7.309+/-0.032 χ^2/NDF: 18365.8/51

All: 7.150+/-0.023 χ^2/NDF: 35311.1/106

\- sign 6.984+/-0.033 χ^2/NDF: 16896.1/54



Right In: 2.291+/-0.098 χ^2/NDF: 352.1/26

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.713+/-0.101 χ^2/NDF: 460.8/31

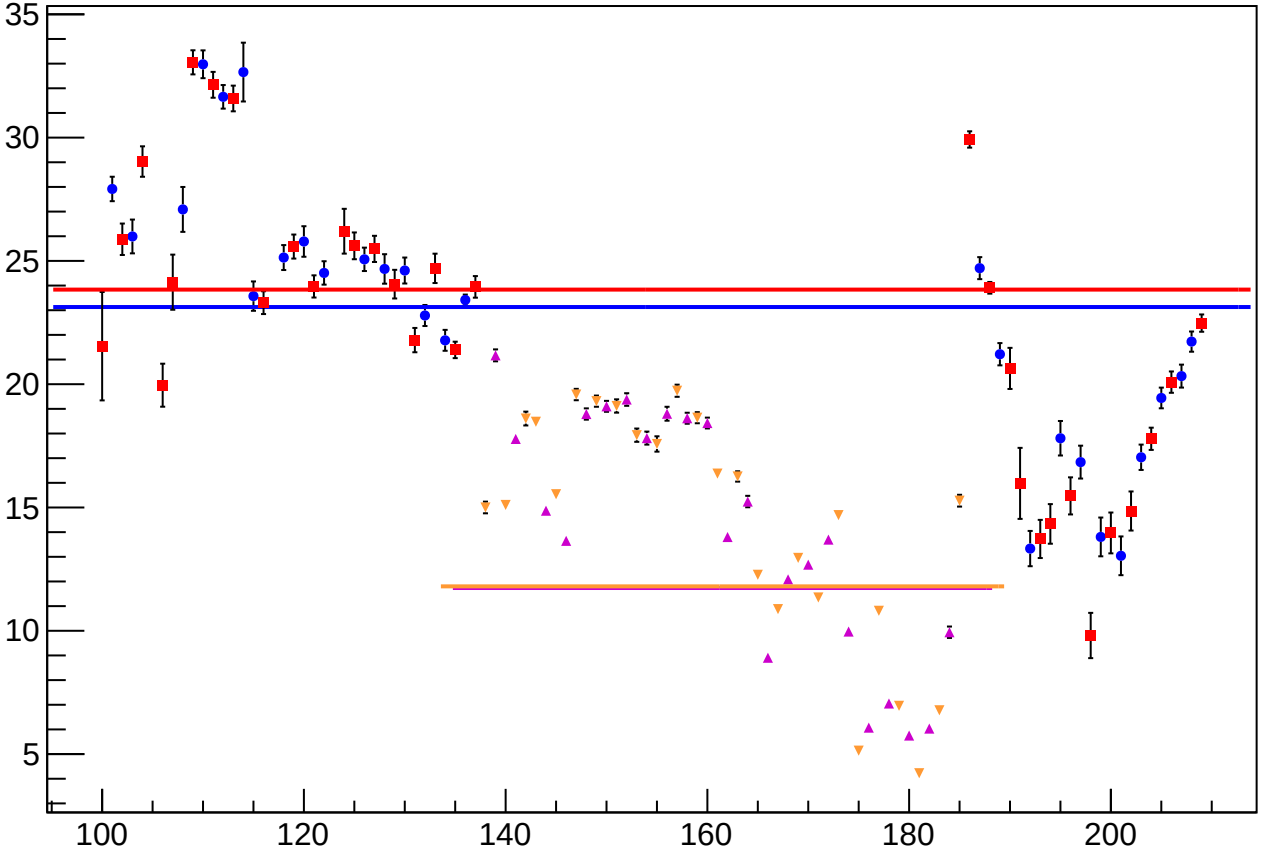
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.174+/-0.026 χ^2/NDF: 6613.1/51

All: 0.229+/-0.019 χ^2/NDF: 12142.2/106

- sign 0.286+/-0.027 χ^2/NDF: 5520.4/54

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.129+/-0.095 χ^2/NDF: 1839.1/26

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

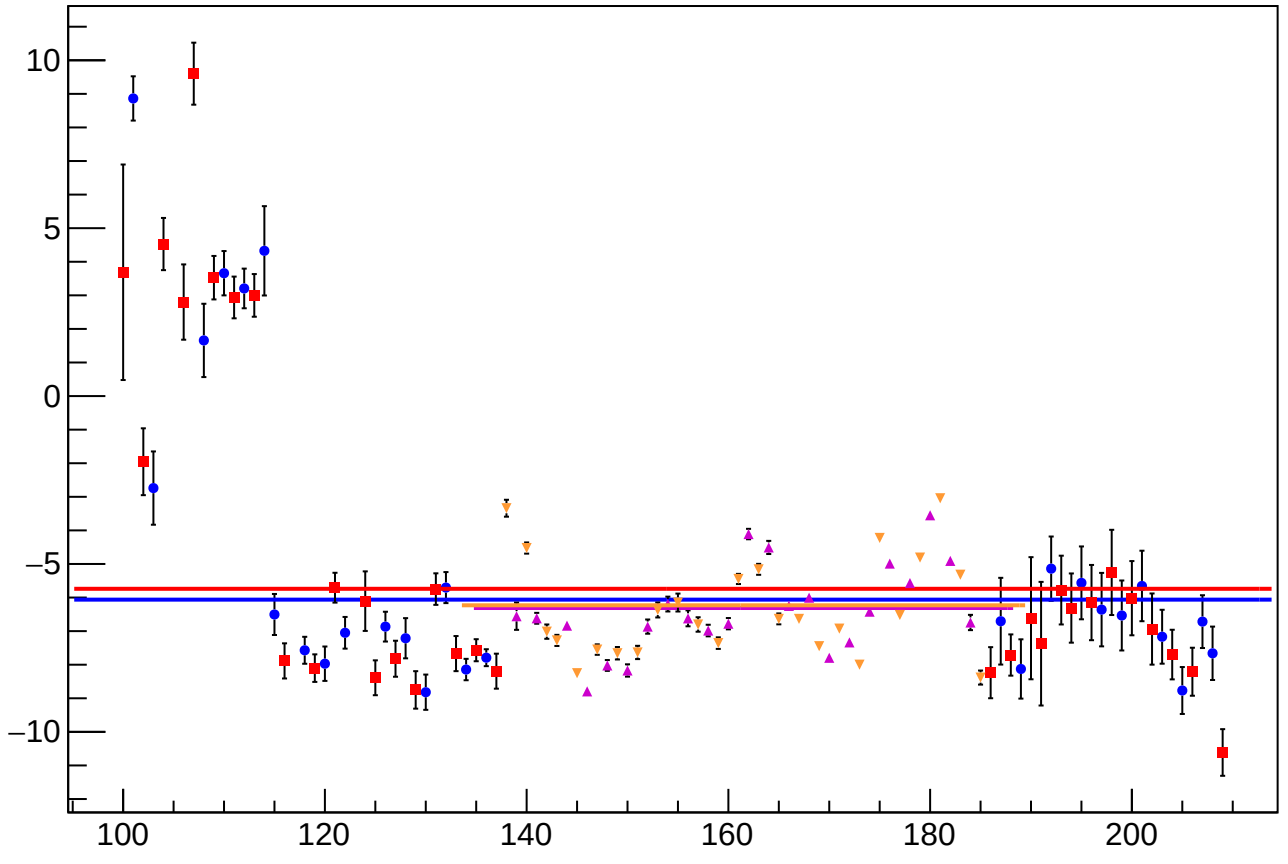
Right Out: 23.836+/-0.091 χ^2/NDF: 2635.6/31

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.156+/-0.033 χ^2/NDF: 35954.3/51

All: 13.259+/-0.023 χ^2/NDF: 72006.5/106

- sign 13.366+/-0.033 χ^2/NDF: 36031.9/54



Right In: -6.062+/-0.110 χ^2/NDF: 1282.7/26

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

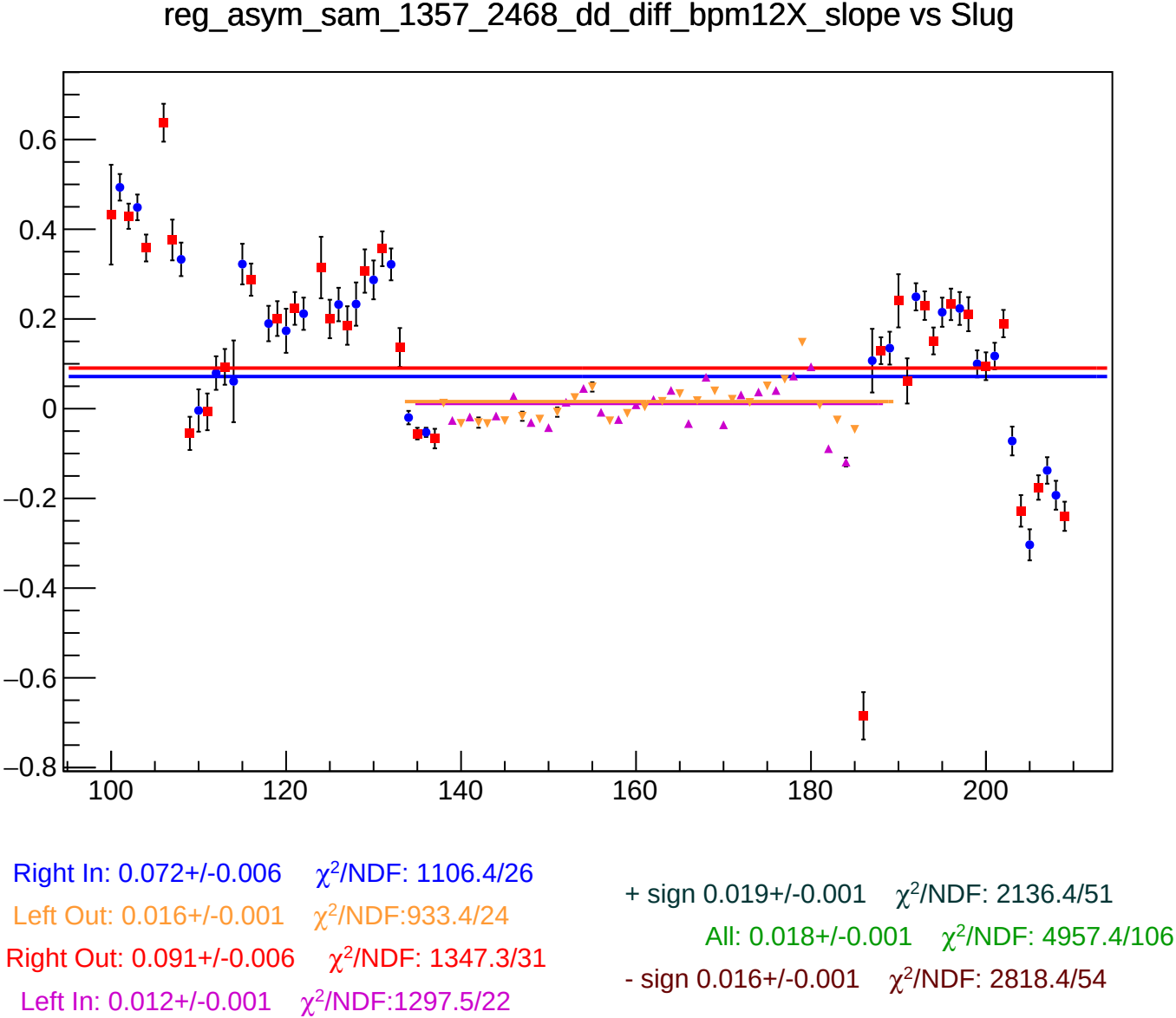
Right Out: -5.739+/-0.115 χ^2/NDF: 1400.1/31

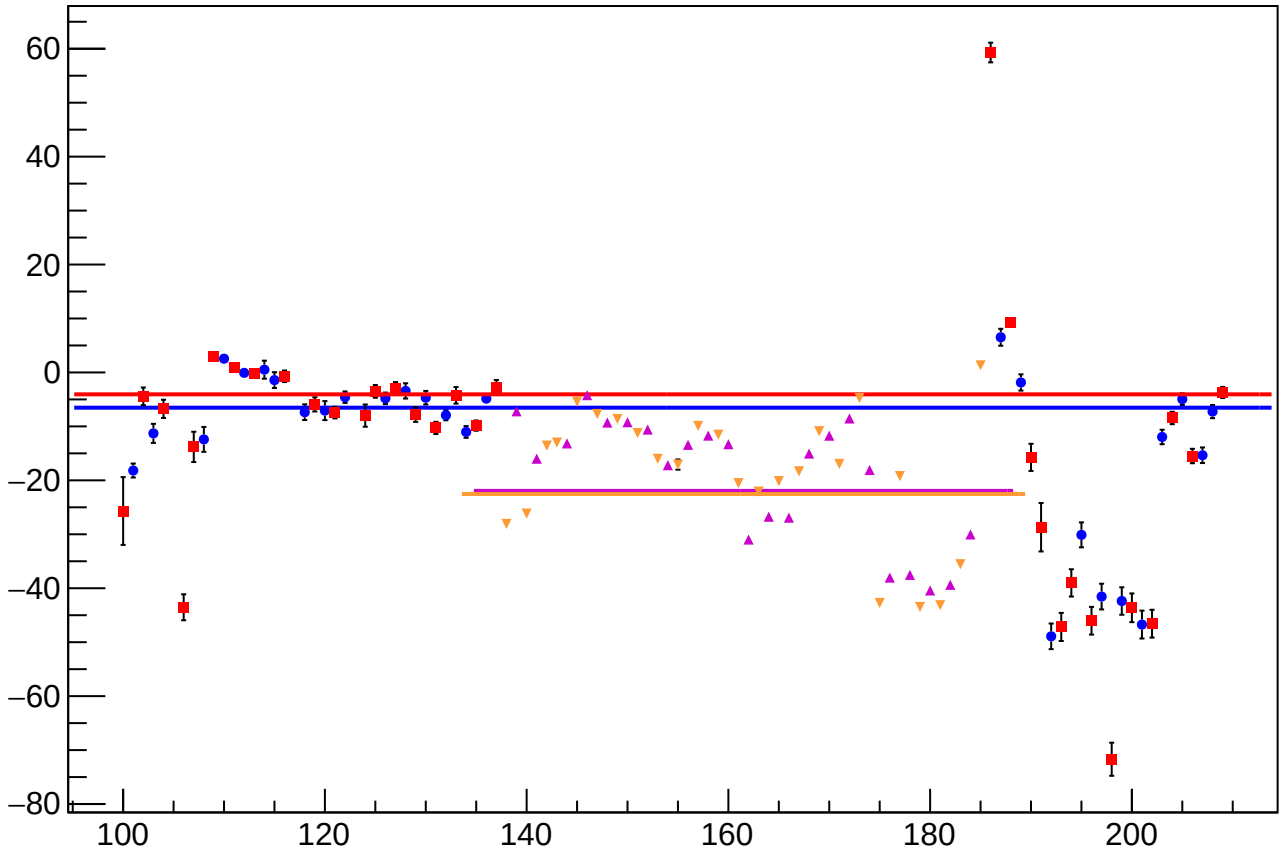
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.218+/-0.030 χ^2/NDF: 3734.9/51

All: -6.244+/-0.021 χ^2/NDF: 7189.7/106

- sign -6.272+/-0.030 χ^2/NDF: 3453.2/54


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.072+/-0.006 χ²/NDF: 1106.4/26
Left Out: 0.016+/-0.001 χ²/NDF:933.4/24
Right Out: 0.091+/-0.006 χ²/NDF: 1347.3/31
Left In: 0.012+/-0.001 χ²/NDF:1297.5/22
+ sign 0.019+/-0.001 χ²/NDF: 2136.4/51
All: 0.018+/-0.001 χ²/NDF: 4957.4/106
- sign 0.016+/-0.001 χ²/NDF: 2818.4/54



Right In: -6.532+/-0.235 χ^2/NDF: 1602.6/26

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

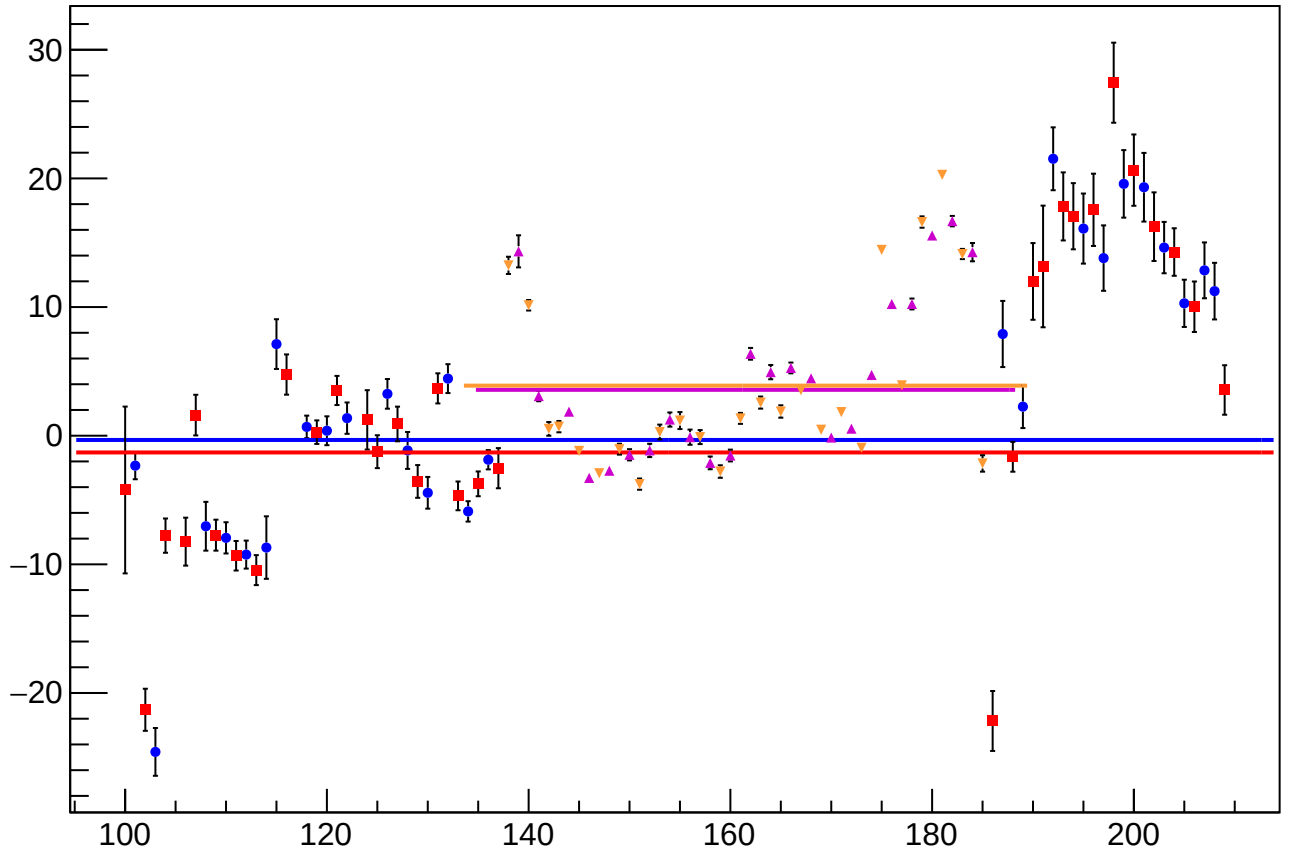
Right Out: -4.060+/-0.225 χ^2/NDF: 3907.5/31

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.740+/-0.098 χ^2/NDF: 21975.6/51

All: -19.098+/-0.070 χ^2/NDF: 43651.6/106

- sign -18.438+/-0.100 χ^2/NDF: 21589.4/54



Right In: -0.331+/-0.263 χ^2/NDF: 841.5/26

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.302+/-0.268 χ^2/NDF: 967.1/31

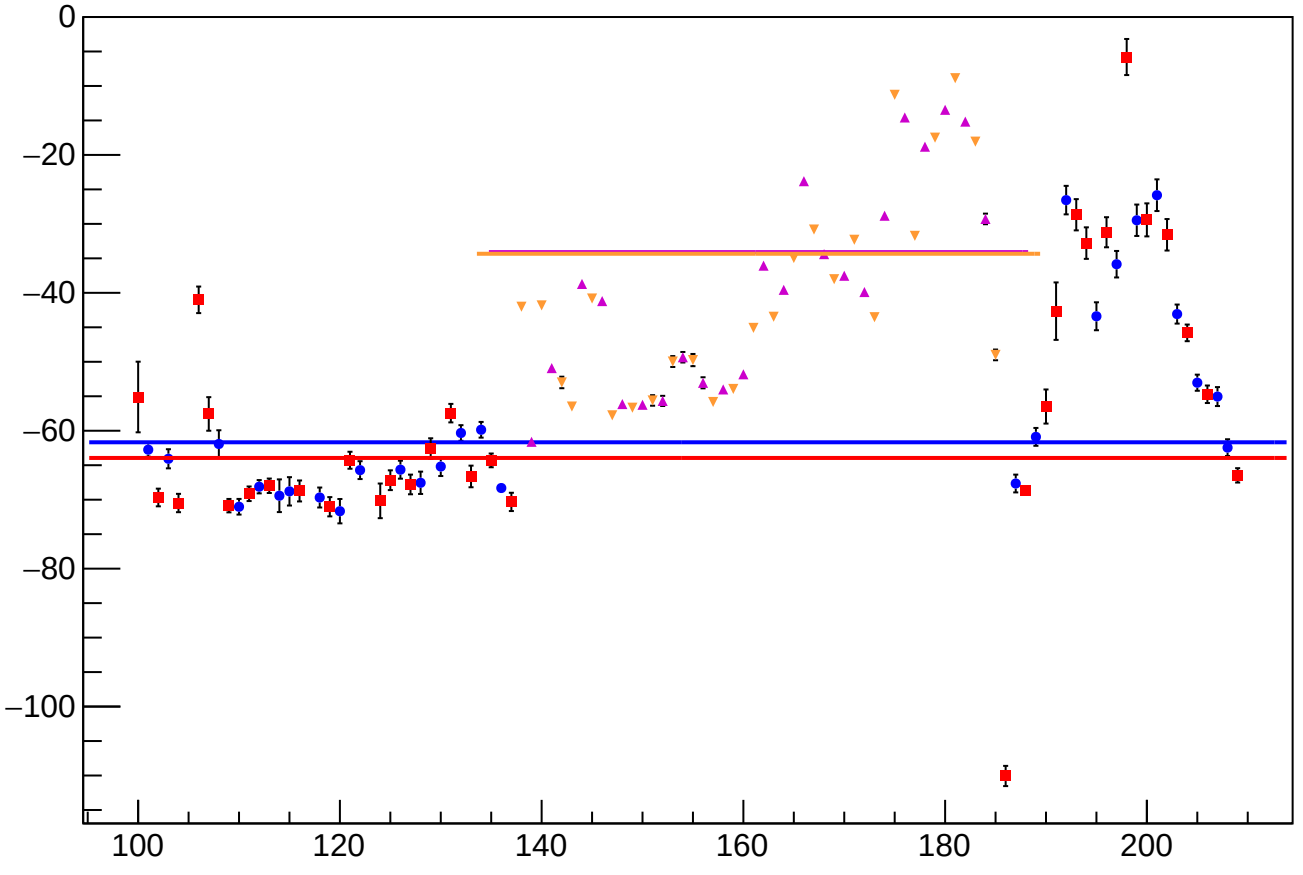
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.498+/-0.080 χ^2/NDF: 7799.5/51

All: 3.308+/-0.057 χ^2/NDF: 13816.0/106

- sign 3.110+/-0.082 χ^2/NDF: 6005.1/54

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -61.675+/-0.253 χ^2/NDF: 1623.5/26

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.946+/-0.246 χ^2/NDF: 3306.9/31

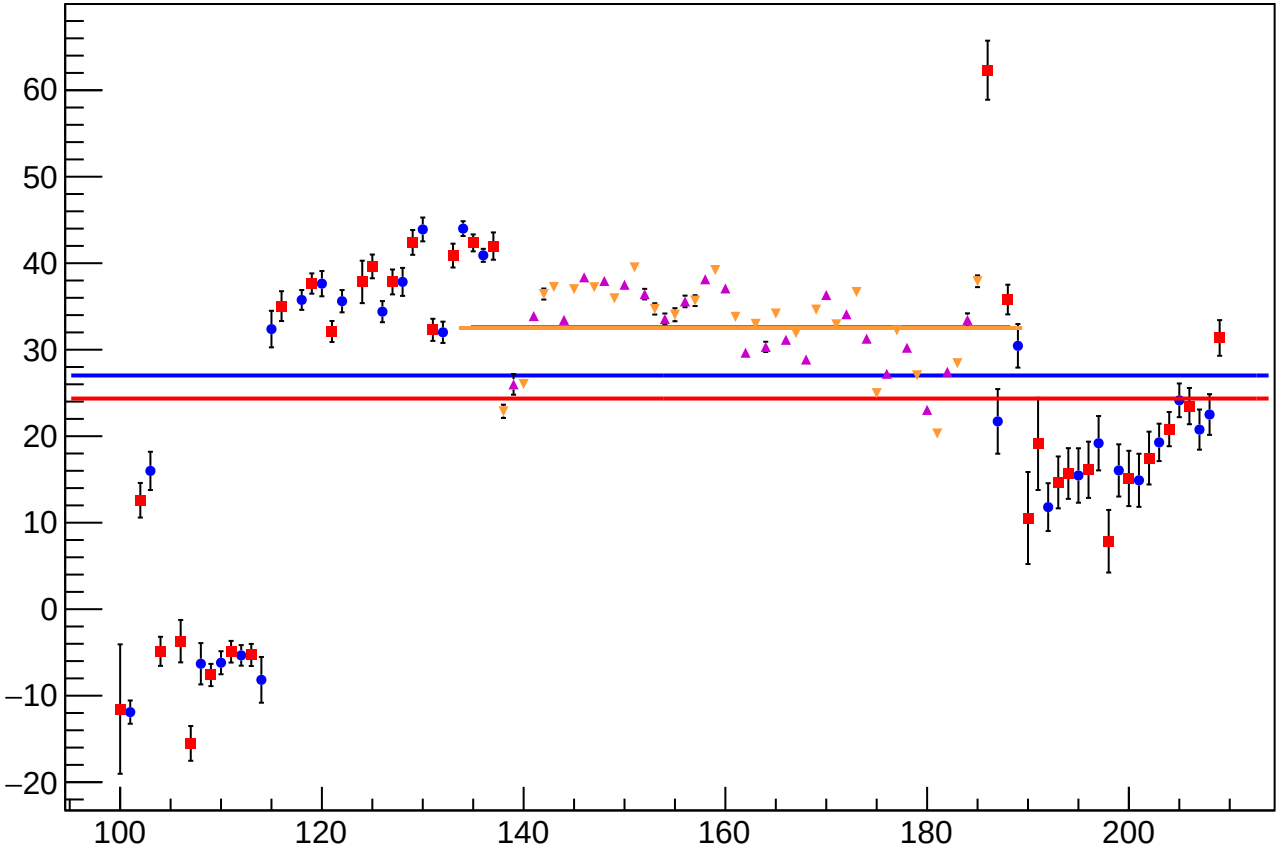
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.560+/-0.100 χ^2/NDF: 32680.1/51

All: -38.846+/-0.071 χ^2/NDF: 65980.7/106

- sign -39.142+/-0.101 χ^2/NDF: 33283.8/54

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.020+/-0.296 χ^2/NDF: 3847.9/26

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.354+/-0.306 χ^2/NDF: 4092.5/31

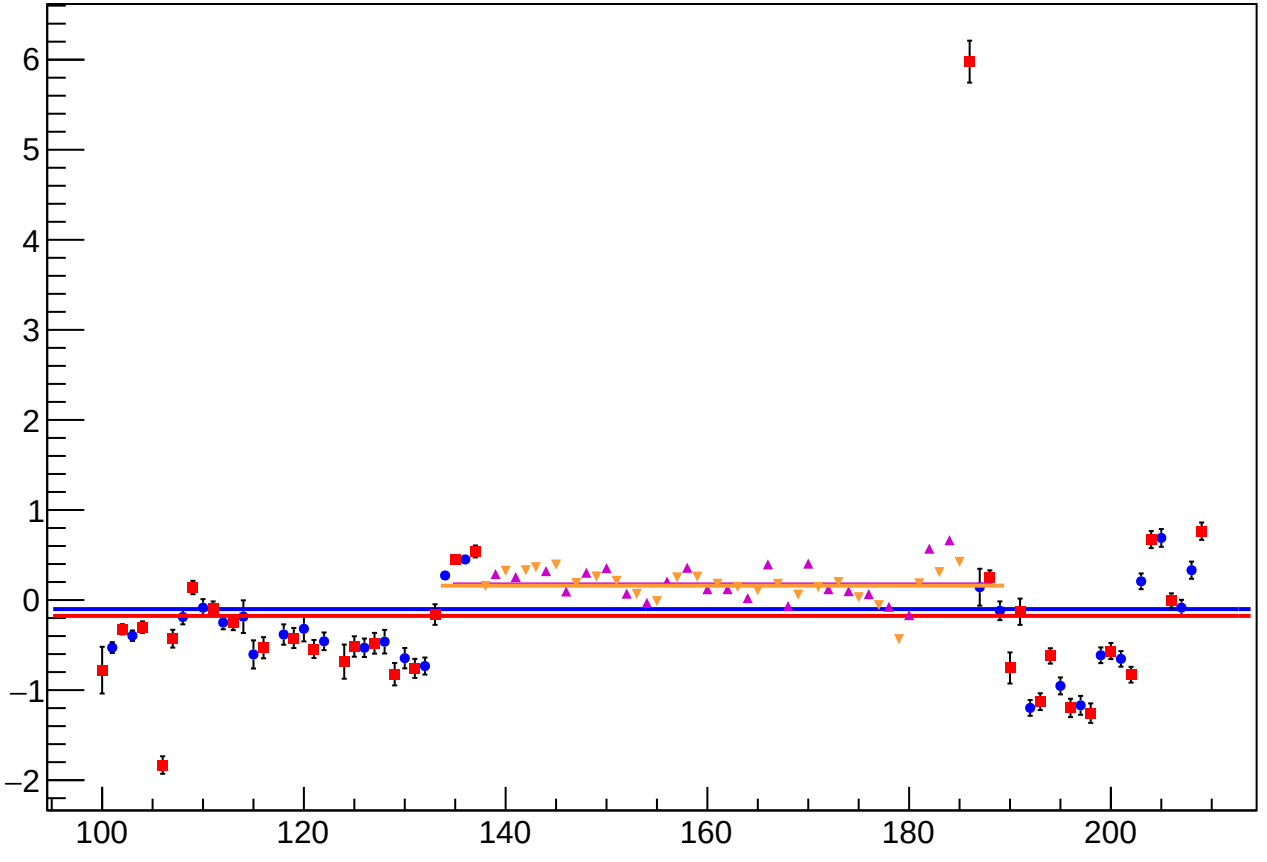
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.004+/-0.090 χ^2/NDF: 7097.6/51

All: 31.927+/-0.064 χ^2/NDF: 13865.4/106

- sign 31.848+/-0.092 χ^2/NDF: 6766.3/54

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.101+/-0.015 χ^2/NDF: 1130.9/26

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.176+/-0.016 χ^2/NDF: 2143.8/31

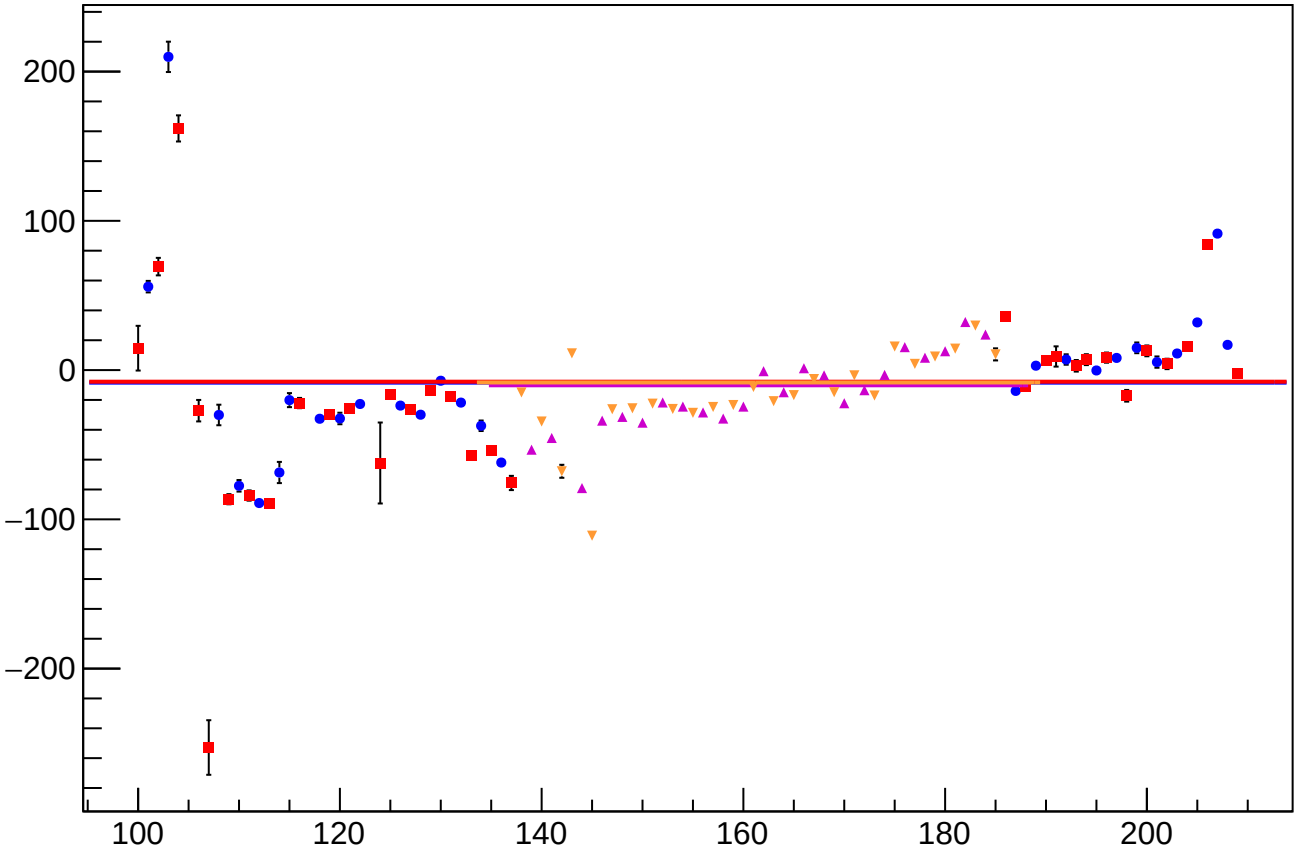
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.140+/-0.004 χ^2/NDF: 3027.0/51

All: 0.144+/-0.003 χ^2/NDF: 7770.3/106

- sign 0.148+/-0.004 χ^2/NDF: 4741.3/54

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -8.411+/-0.587 χ^2/NDF: 4431.6/26

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -7.774+/-0.528 χ^2/NDF: 5419.6/31

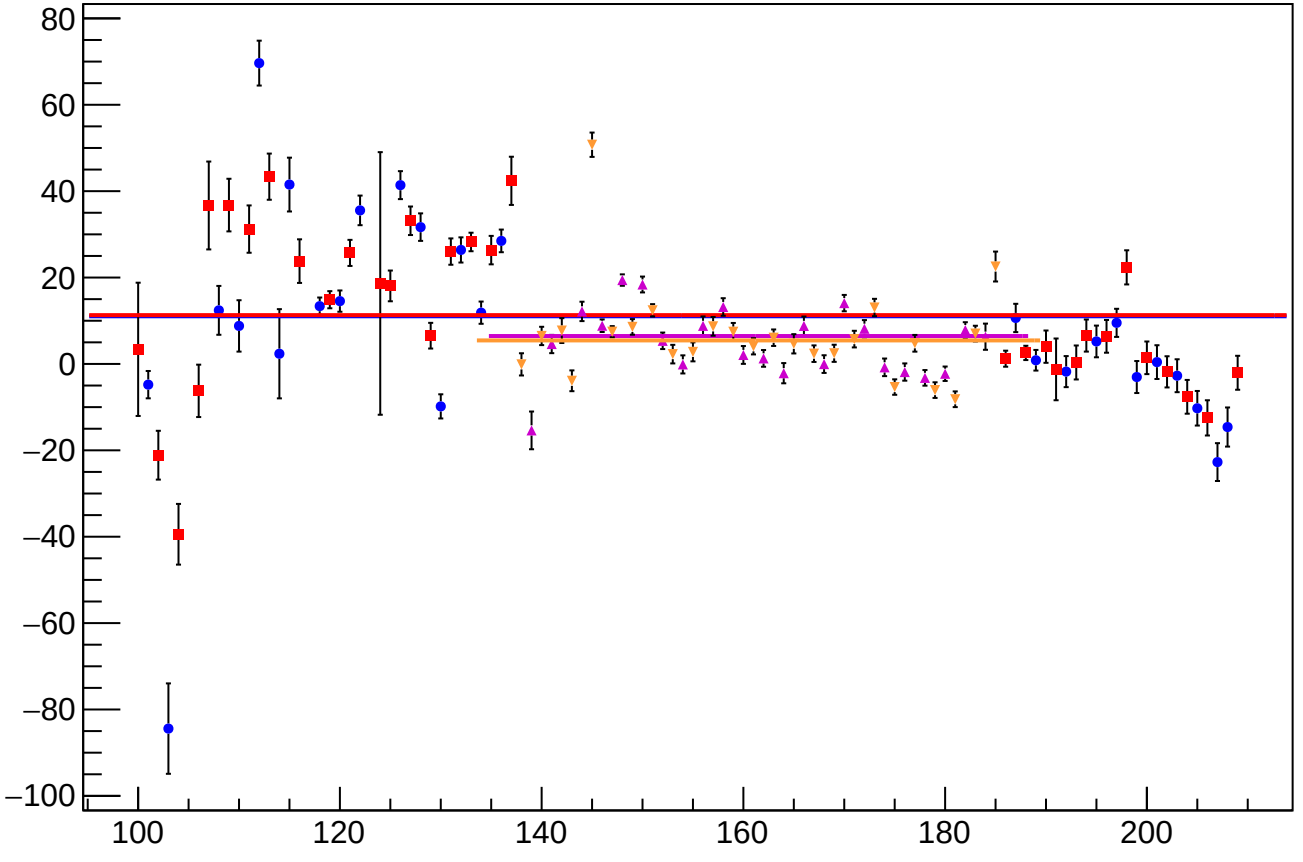
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

\+ sign -8.347+/-0.386 χ^2/NDF: 6991.3/51

All: -8.676+/-0.268 χ^2/NDF: 14941.1/106

\- sign -8.982+/-0.373 χ^2/NDF: 7948.4/54

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 11.035+/-0.651 χ^2/NDF: 760.8/26

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 11.299+/-0.611 χ^2/NDF: 558.6/31

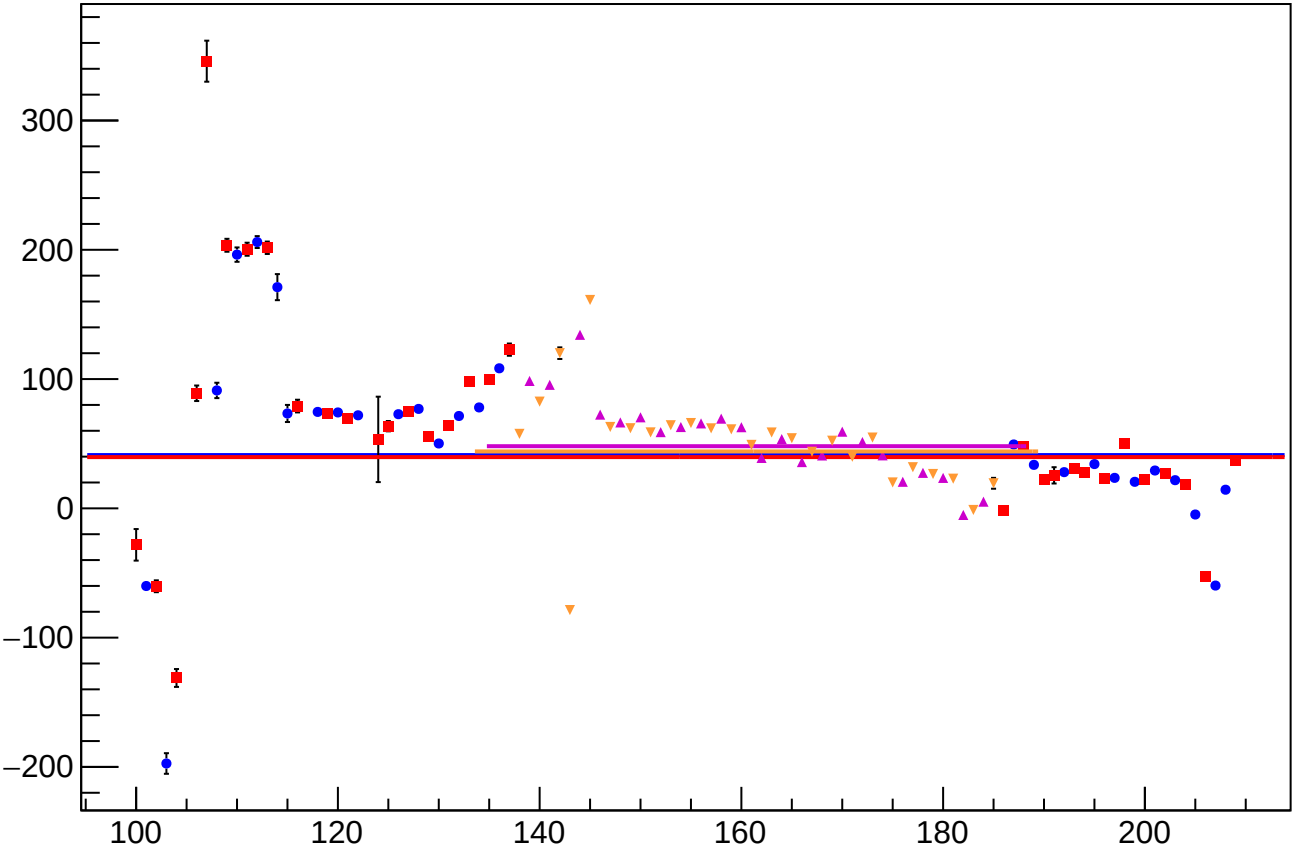
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.945+/-0.337 χ^2/NDF: 1308.5/51

All: 7.446+/-0.239 χ^2/NDF: 2251.0/106

- sign 7.954+/-0.339 χ^2/NDF: 938.0/54

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 41.210+/-0.577 χ^2/NDF: 7862.1/26

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 39.640+/-0.497 χ^2/NDF: 8985.9/31

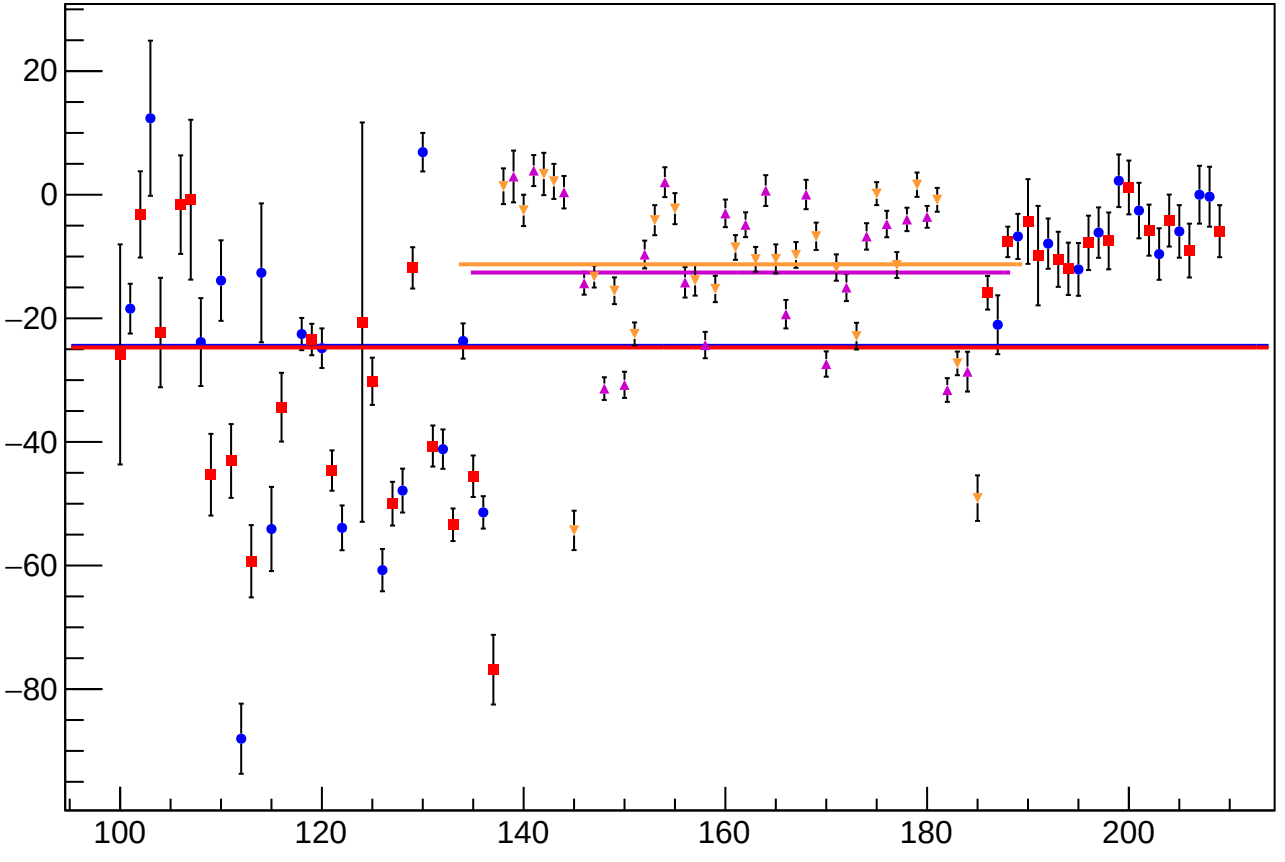
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

\+ sign 42.798+/-0.382 χ^2/NDF: 12439.5/51

All: 43.252+/-0.262 χ^2/NDF: 24941.8/106

\- sign 43.654+/-0.359 χ^2/NDF: 12499.7/54

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -24.455+/-0.761 χ^2/NDF: 831.5/26

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -24.716+/-0.739 χ^2/NDF: 681.5/31

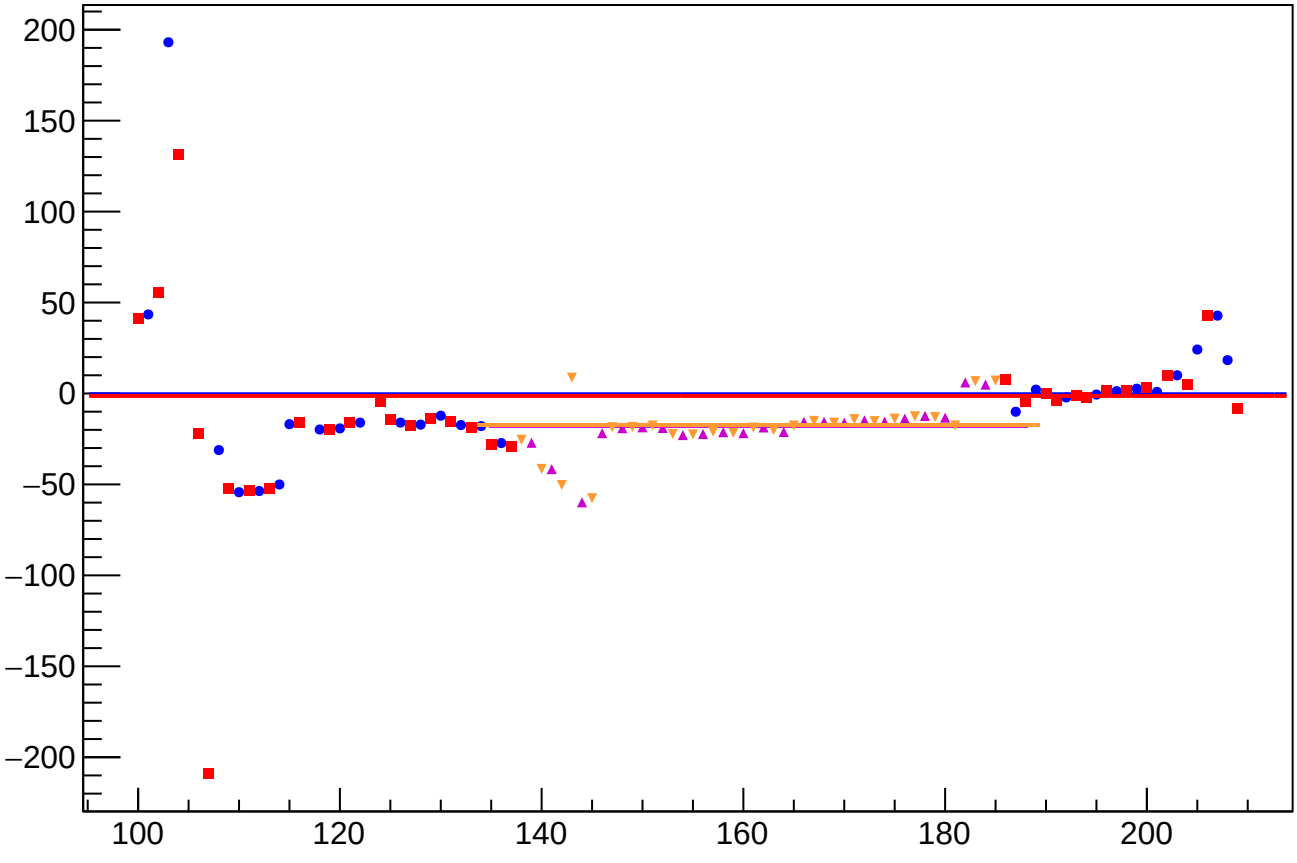
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -14.621+/-0.384 χ^2/NDF: 1698.8/51

All: -15.281+/-0.274 χ^2/NDF: 3252.4/106

\- sign -15.962+/-0.390 χ^2/NDF: 1547.6/54

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.427+/-0.036 χ^2/NDF: 643310.9/26

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.350+/-0.035 χ^2/NDF: 571196.2/31

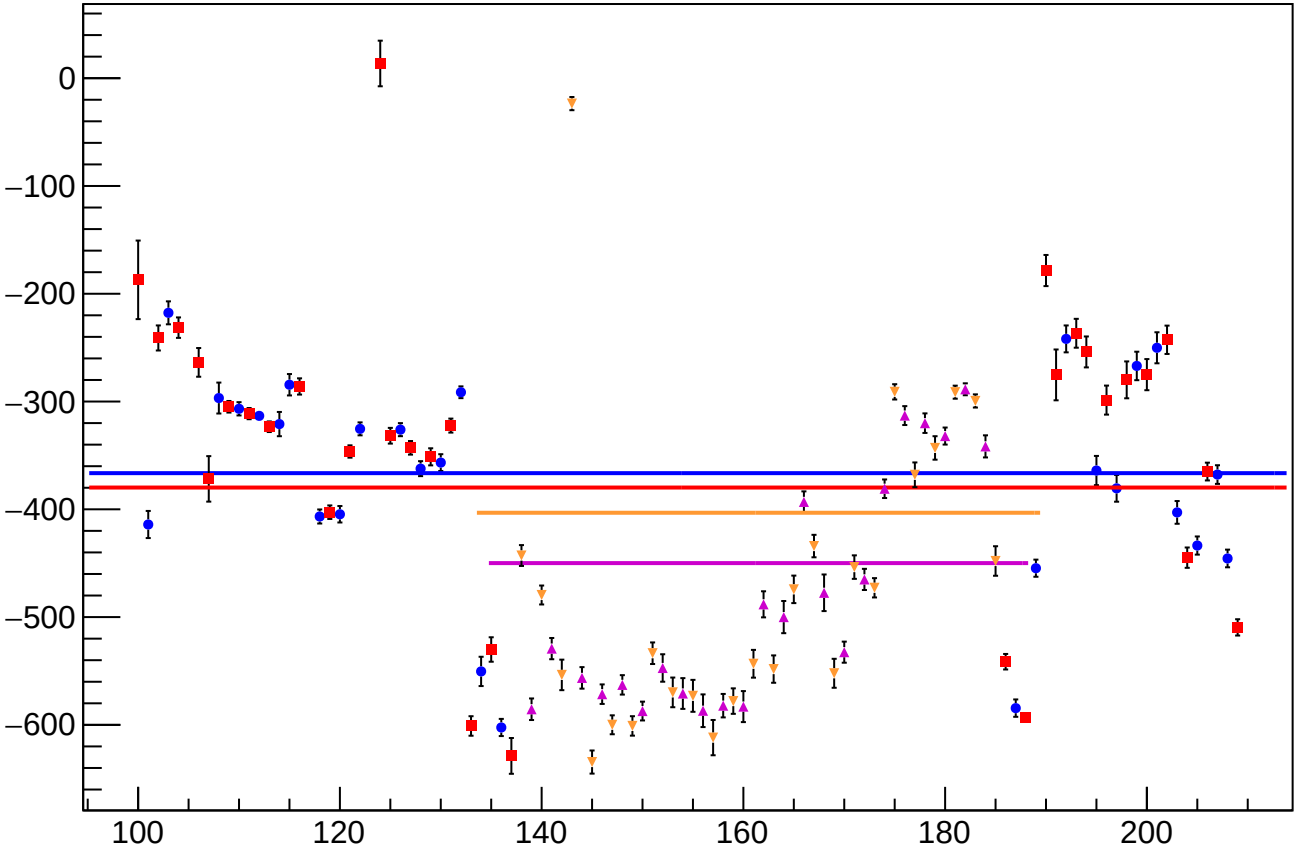
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -13.298+/-0.017 χ^2/NDF: 1162081.1/51

All: -13.453+/-0.012 χ^2/NDF: 2169765.3/106

- sign -13.609+/-0.018 χ^2/NDF: 1007524.8/54

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -366.450+/-1.558 χ^2/NDF: 3199.9/26

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -379.801+/-1.449 χ^2/NDF: 6654.5/31

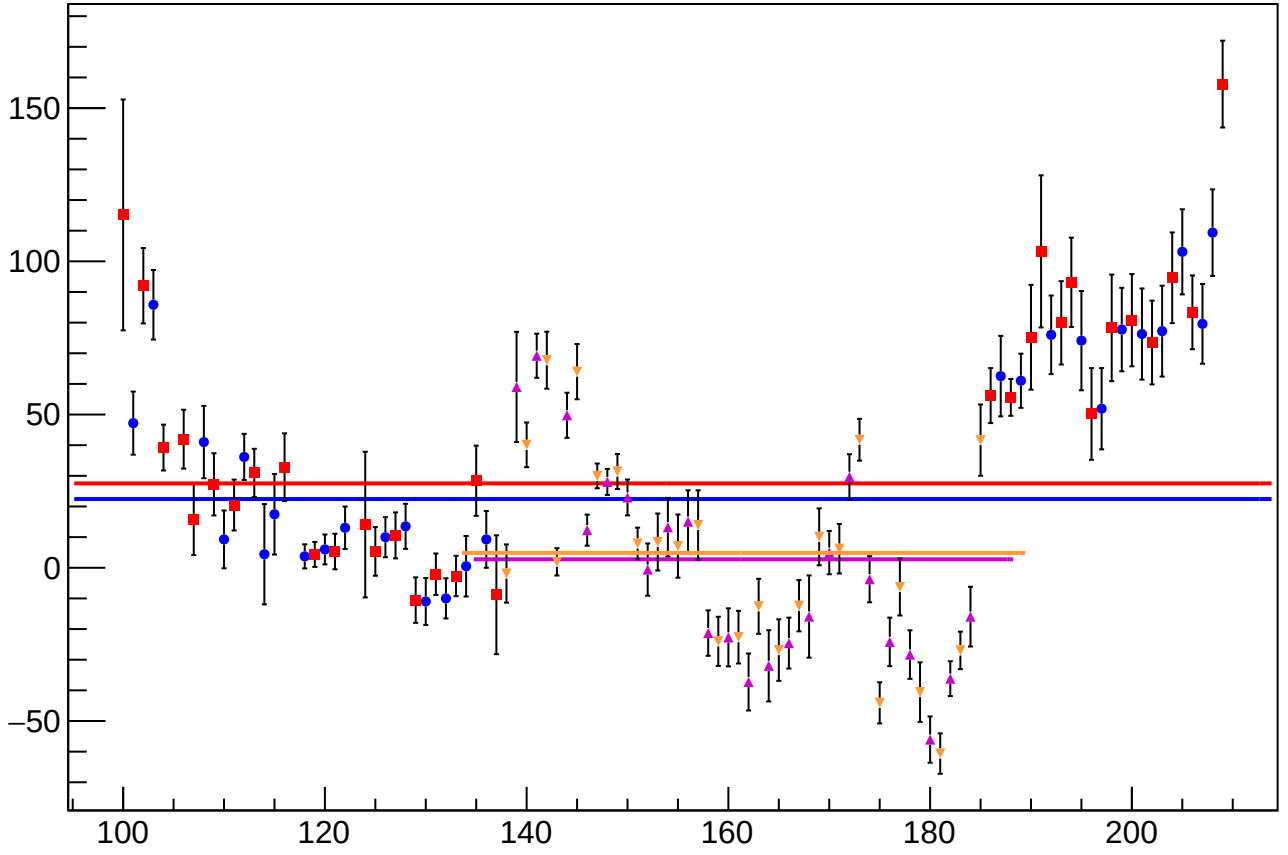
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -380.974+/-1.212 χ^2/NDF: 11170.0/51

All: -392.395+/-0.846 χ^2/NDF: 22000.3/106

- sign -403.255+/-1.182 χ^2/NDF: 10657.0/54

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 22.429+/-1.668 χ^2/NDF: 332.6/26

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 27.535+/-1.622 χ^2/NDF: 415.8/31

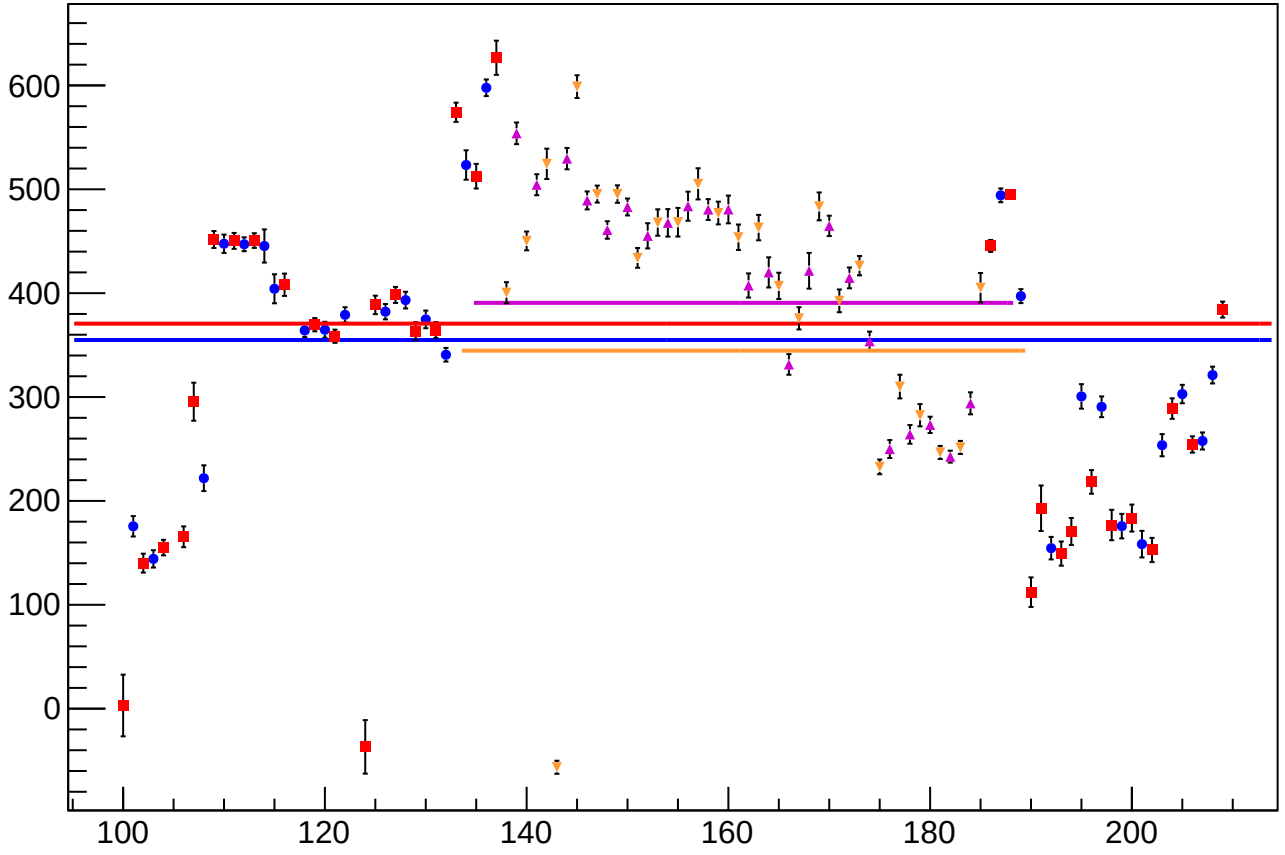
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 12.400+/-1.093 χ^2/NDF: 853.0/51

All: 13.480+/-0.783 χ^2/NDF: 1792.2/106

- sign 14.617+/-1.122 χ^2/NDF: 937.1/54

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 354.911+/-1.663 χ^2/NDF: 4176.1/26

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.677+/-1.505 χ^2/NDF: 7211.4/31

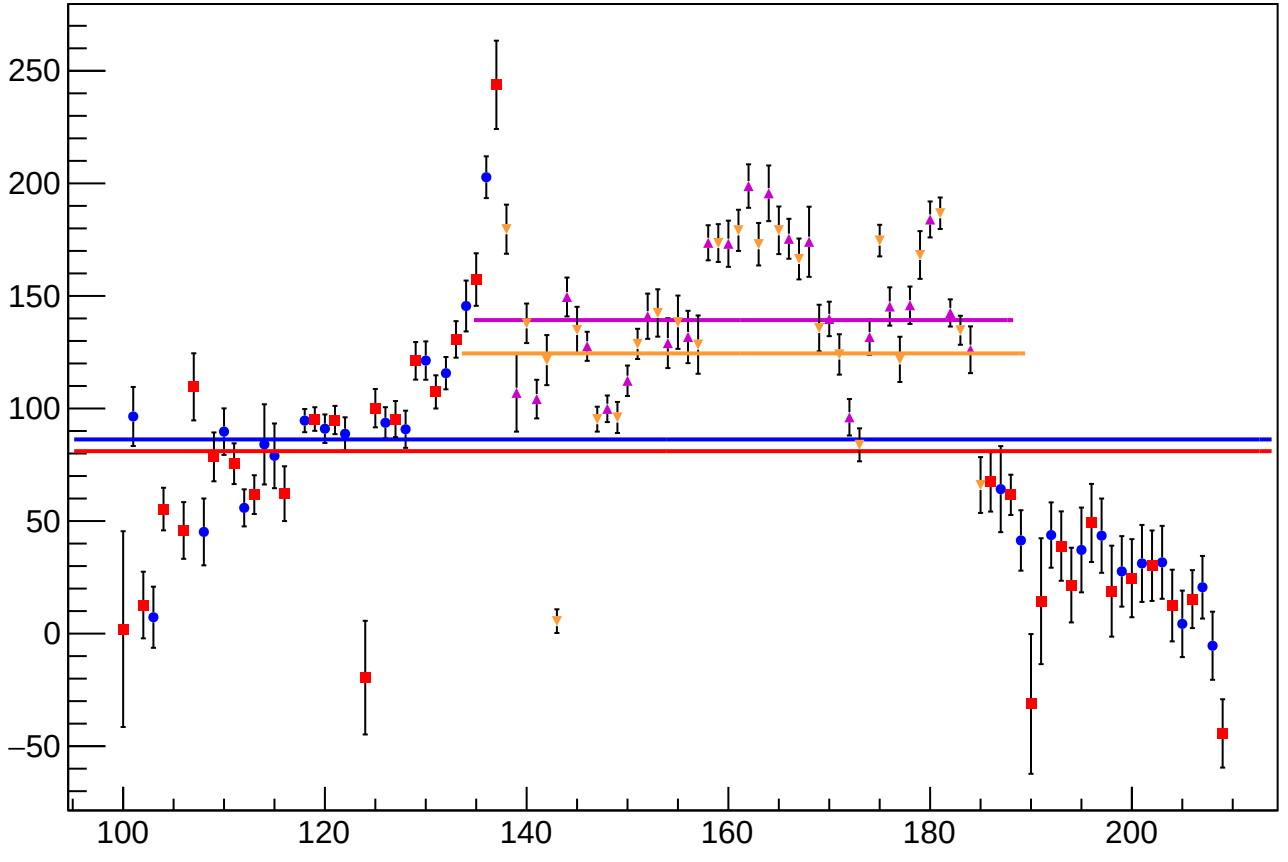
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 350.536+/-1.258 χ^2/NDF: 11470.5/51

All: 364.698+/-0.872 χ^2/NDF: 21661.0/106

- sign 377.770+/-1.209 χ^2/NDF: 9946.8/54

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 86.261+/-1.952 χ^2/NDF: 439.7/26

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 81.050+/-1.908 χ^2/NDF: 464.3/31

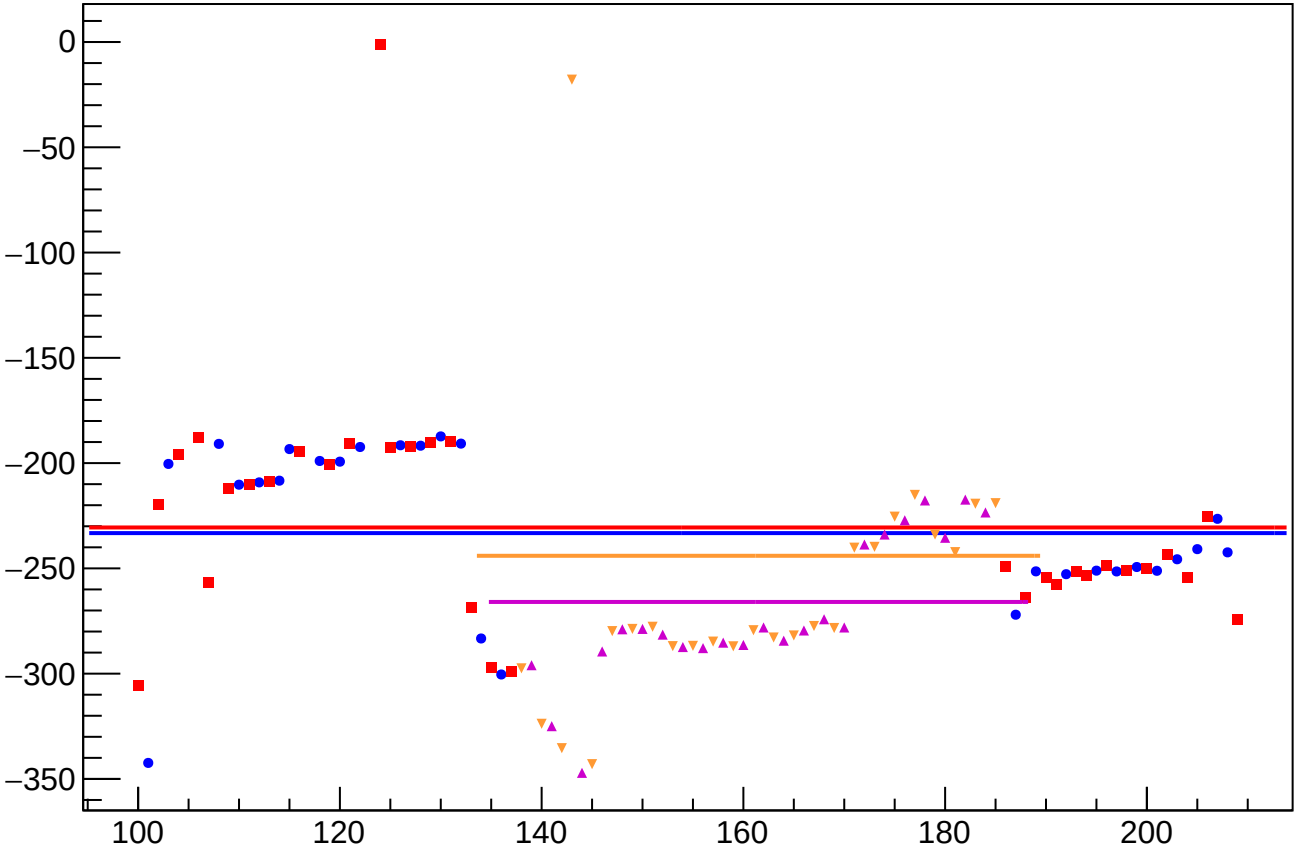
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 108.411+/-1.265 χ^2/NDF: 1599.4/51

All: 110.335+/-0.906 χ^2/NDF: 2829.9/106

- sign 112.359+/-1.297 χ^2/NDF: 1225.8/54

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -233.248+/-0.107 χ^2/NDF: 136096.1/26

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -230.571+/-0.102 χ^2/NDF: 115159.9/31

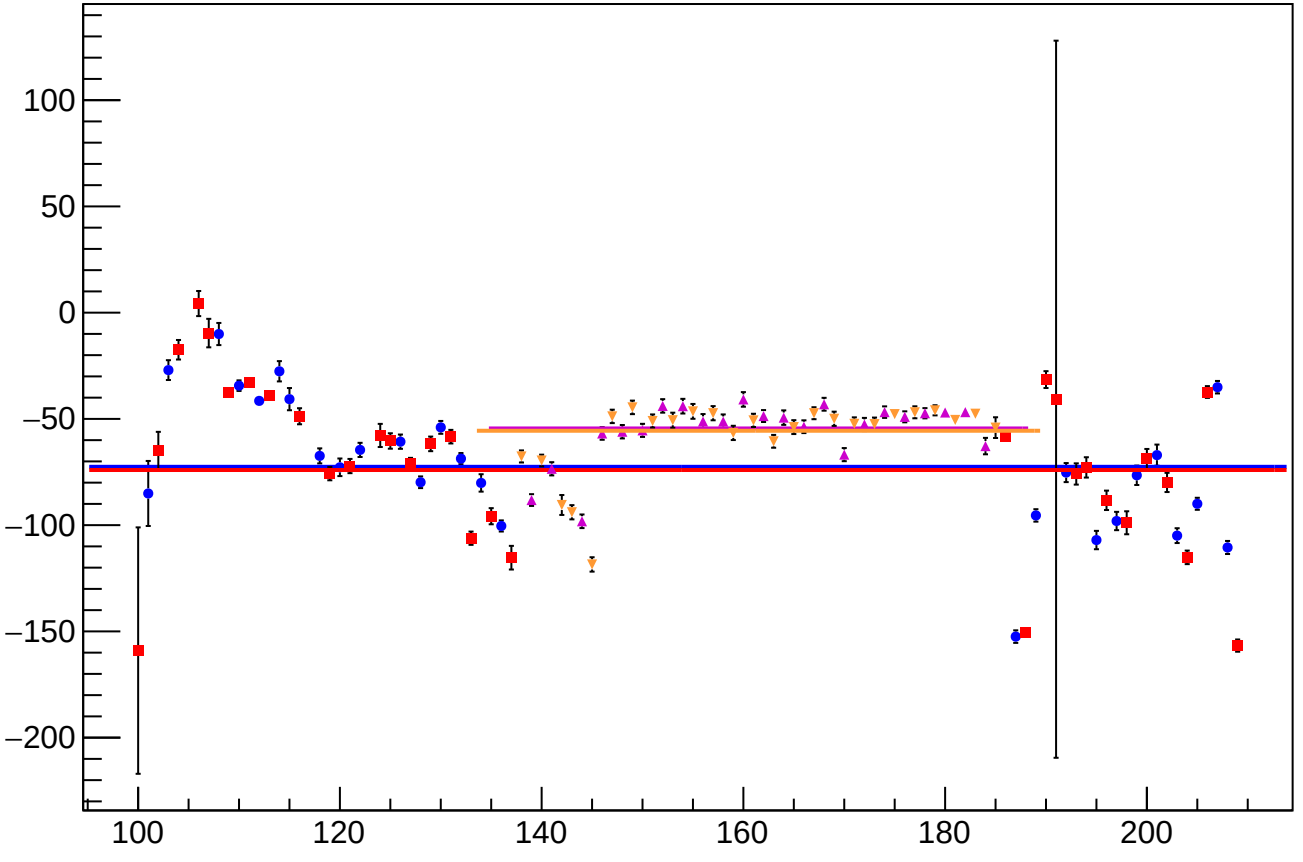
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.315+/-0.063 χ^2/NDF: 1140730.9/51

All: -246.285+/-0.044 χ^2/NDF: 1518322.5/10

- sign -252.358+/-0.063 χ^2/NDF: 359267.3/54

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -72.545+/-0.651 χ^2/NDF: 2323.5/26

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -74.050+/-0.585 χ^2/NDF: 4961.2/31

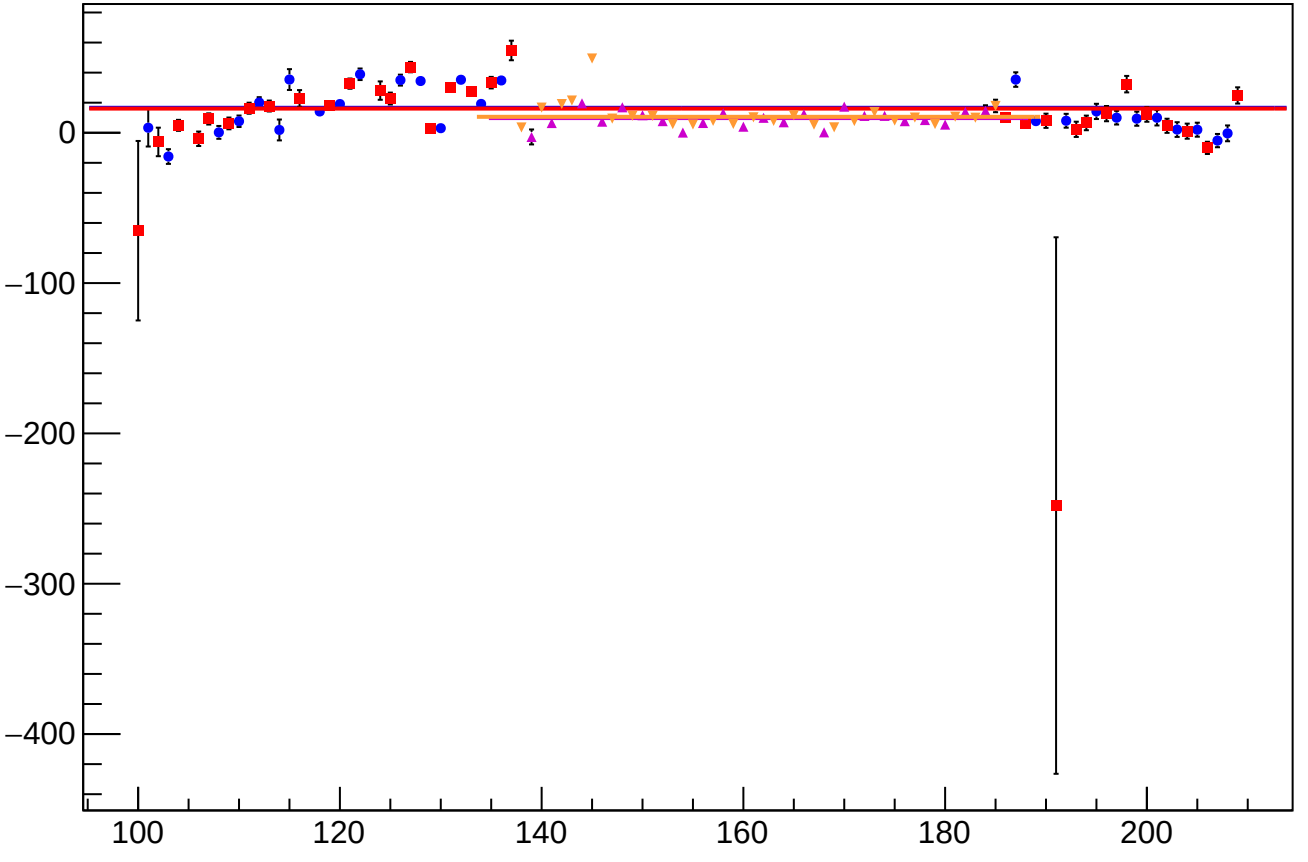
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -63.227+/-0.437 χ^2/NDF: 3383.0/51

All: -63.955+/-0.303 χ^2/NDF: 9388.8/106

\- sign -64.630+/-0.421 χ^2/NDF: 6000.5/54

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.606+/-0.733 χ^2/NDF: 347.6/26

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.078+/-0.674 χ^2/NDF: 363.7/31

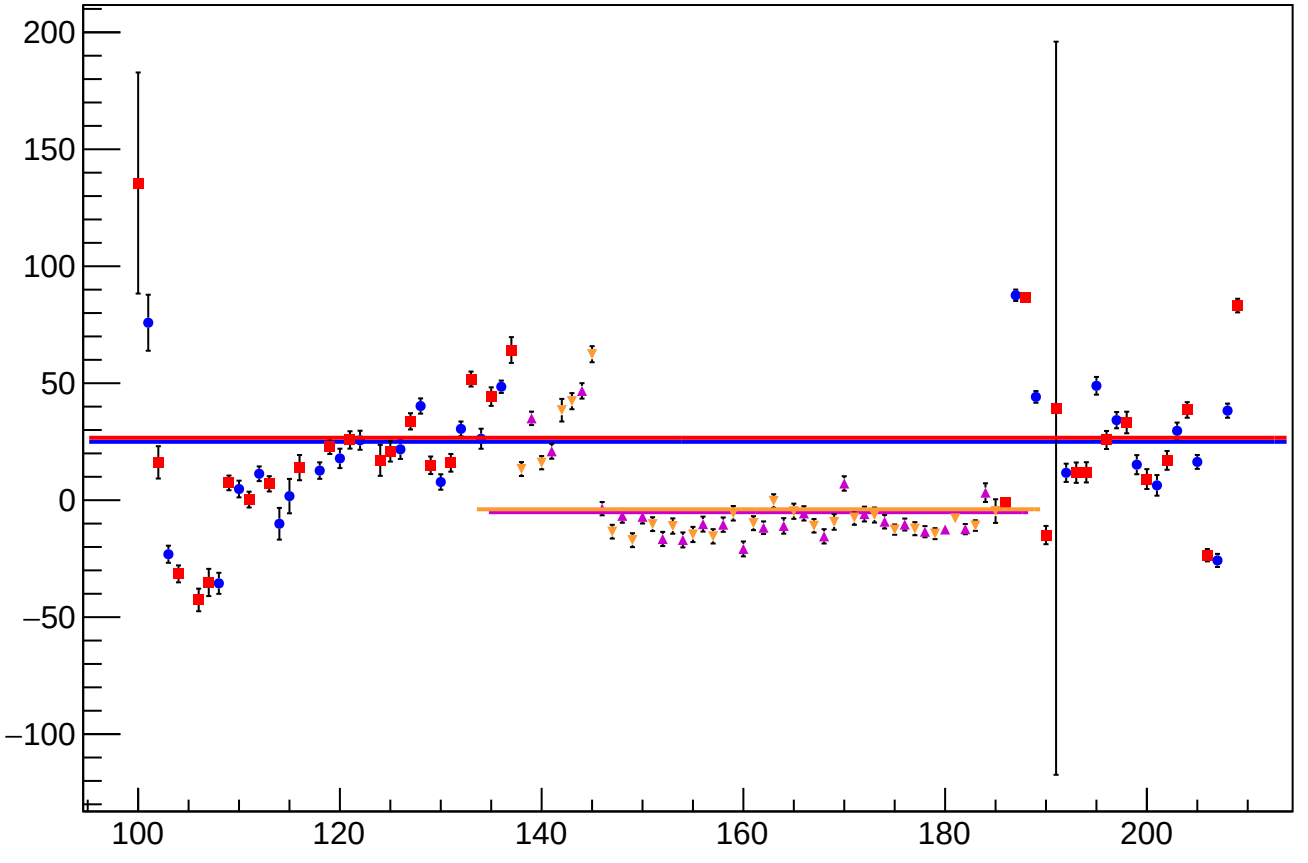
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.242+/-0.383 χ^2/NDF: 651.5/51

All: 12.028+/-0.271 χ^2/NDF: 1196.2/106

- sign 11.813+/-0.384 χ^2/NDF: 544.0/54

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 24.958+/-0.677 χ^2/NDF: 1768.6/26

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.689+/-0.586 χ^2/NDF: 4055.5/31

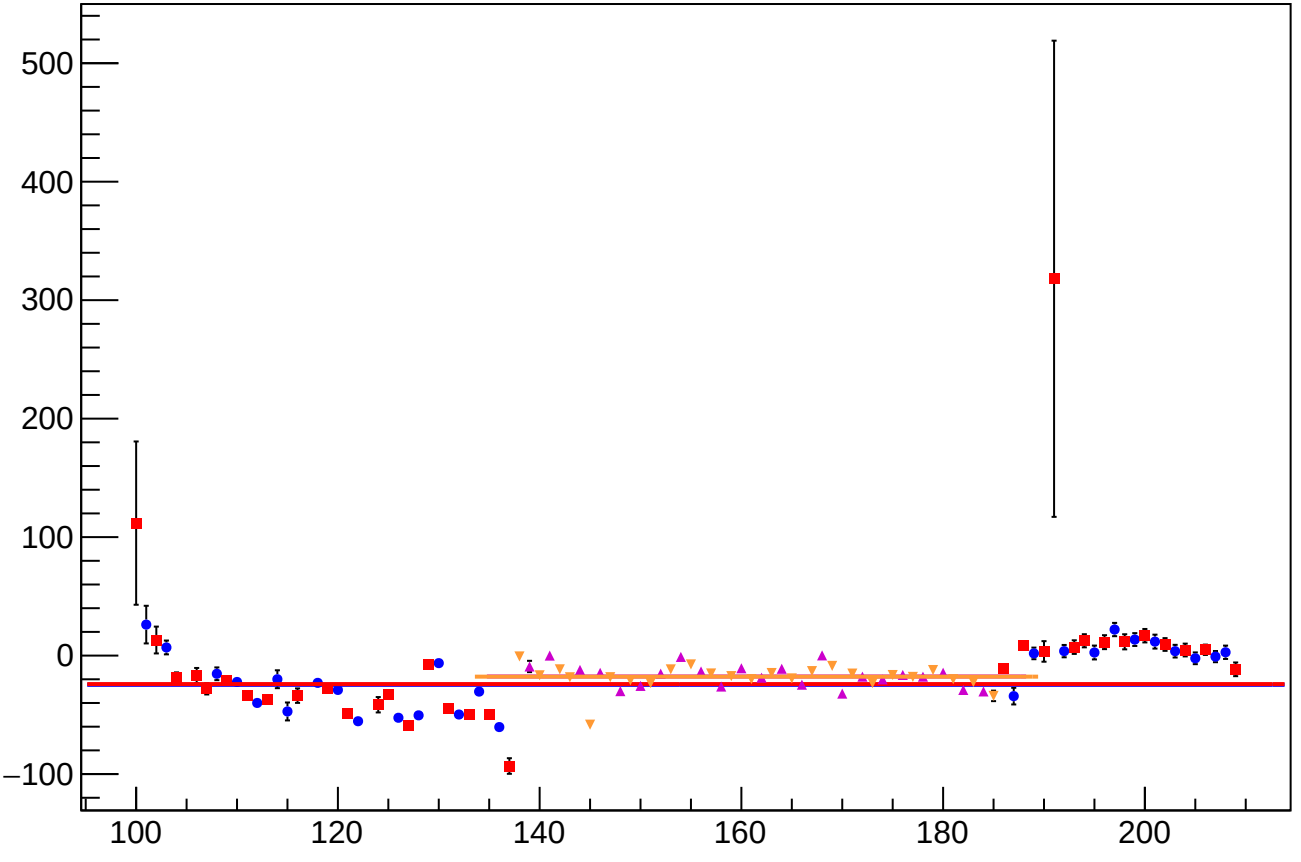
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 8.434+/-0.443 χ^2/NDF: 3658.0/51

All: 9.862+/-0.304 χ^2/NDF: 9822.1/106

\- sign 11.141+/-0.419 χ^2/NDF: 6144.5/54

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -24.681+/-0.847 χ^2/NDF: 790.7/26

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -24.048+/-0.803 χ^2/NDF: 900.7/31

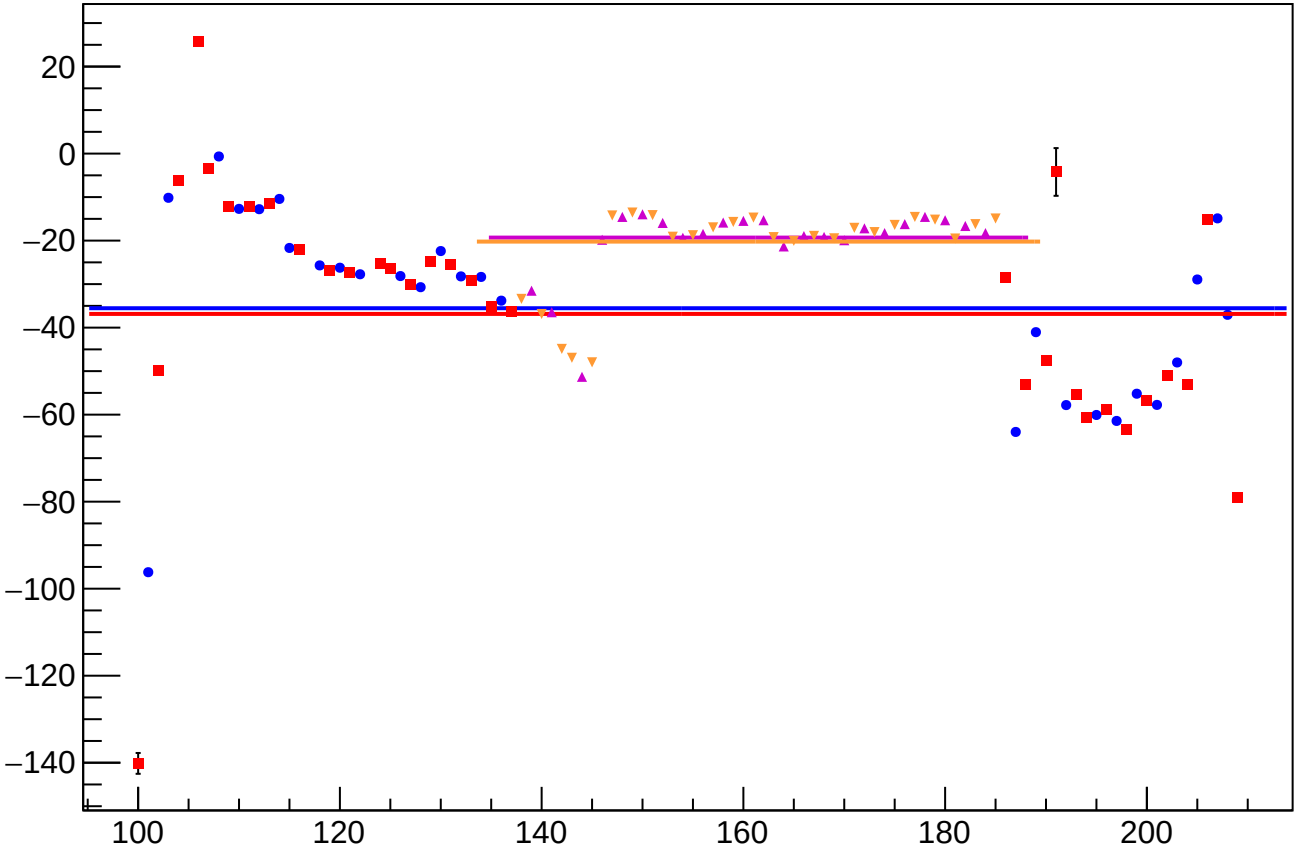
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -19.607+/-0.436 χ^2/NDF: 1091.1/51

All: -19.587+/-0.310 χ^2/NDF: 2322.2/106

- sign -19.566+/-0.440 χ^2/NDF: 1231.2/54

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -35.543+/-0.041 χ^2/NDF: 212691.0/26

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -36.850+/-0.040 χ^2/NDF: 316555.3/31

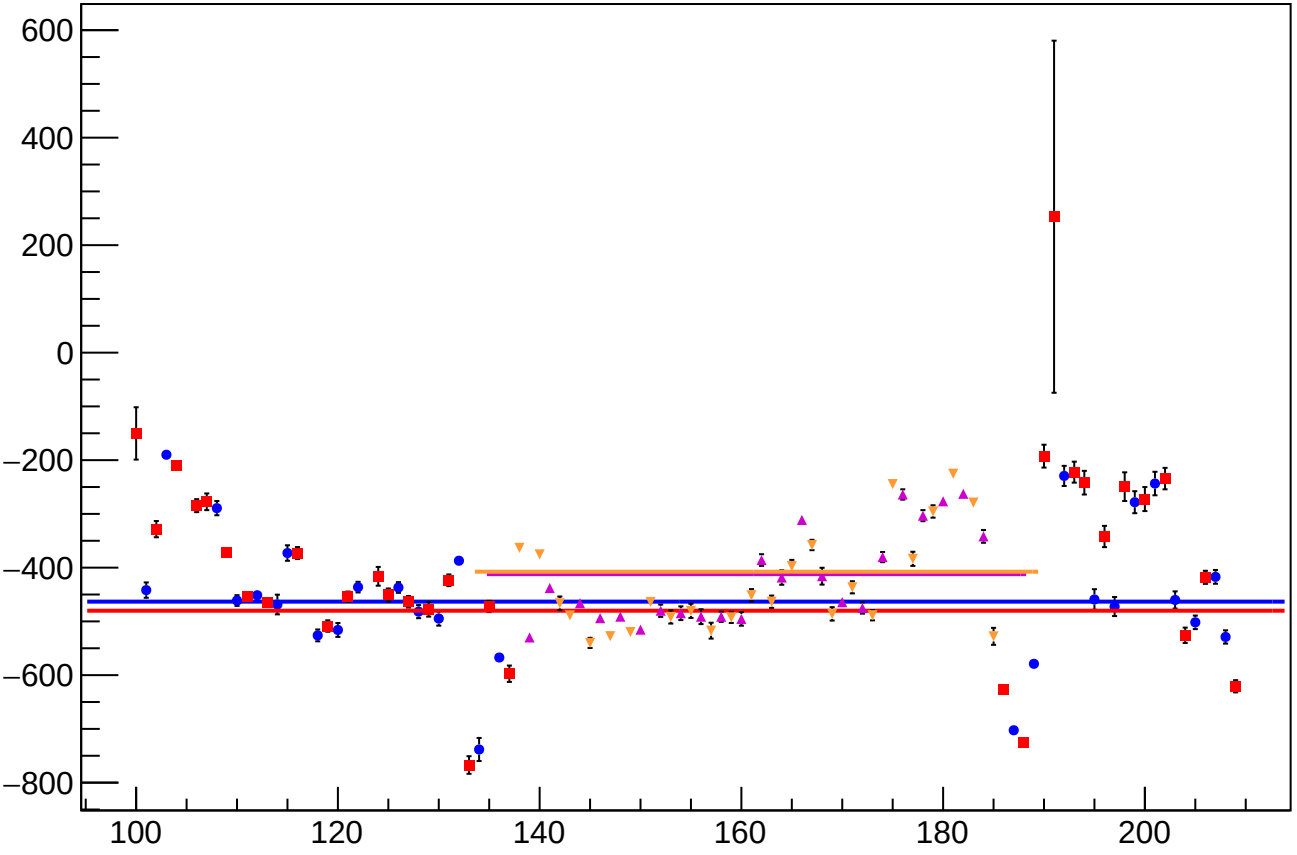
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.862+/-0.020 χ^2/NDF: 466627.4/51

All: -23.801+/-0.014 χ^2/NDF: 1019814.7/106

- sign -23.739+/-0.020 χ^2/NDF: 553168.3/54

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -463.232+/-2.246 χ^2/NDF: 2857.5/26

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -480.107+/-1.997 χ^2/NDF: 6270.0/31

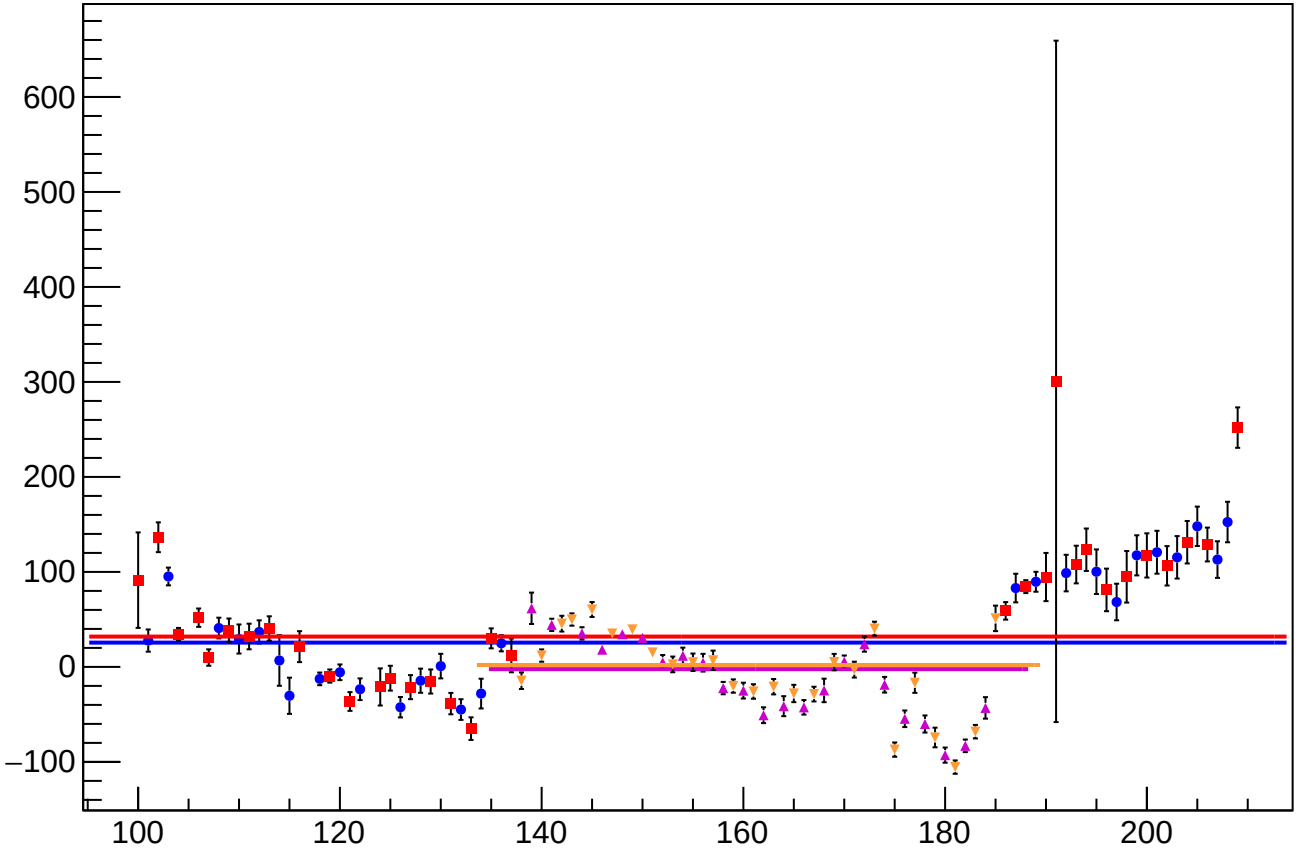
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

\+ sign -431.494+/-1.473 χ^2/NDF: 6080.2/51

All: -439.183+/-1.021 χ^2/NDF: 15161.4/106

\- sign -446.291+/-1.416 χ^2/NDF: 9028.8/54

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 25.587+/-2.436 χ^2/NDF: 465.6/26

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 31.933+/-2.197 χ^2/NDF: 597.7/31

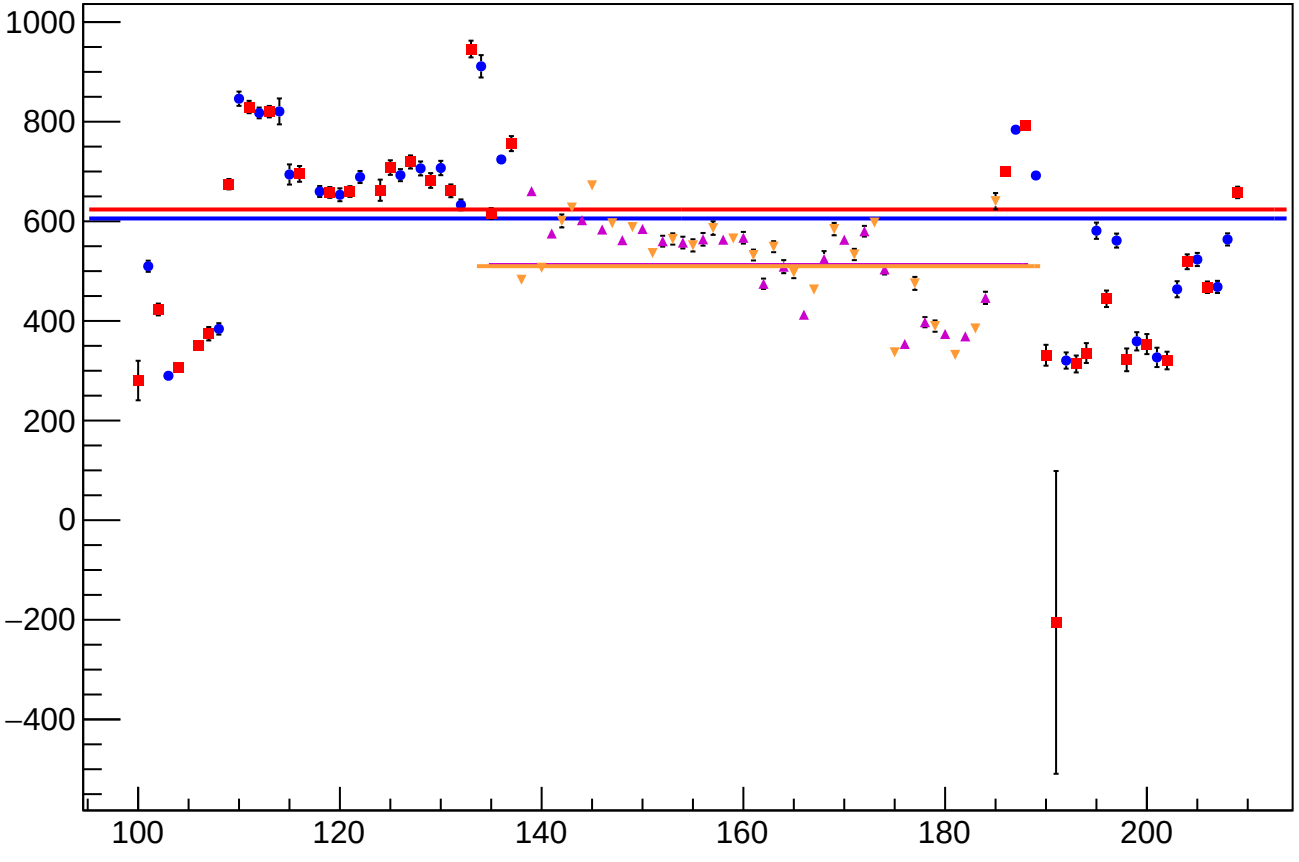
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 8.045+/-1.231 χ^2/NDF: 1446.0/51

All: 8.207+/-0.870 χ^2/NDF: 2944.6/106

- sign 8.368+/-1.229 χ^2/NDF: 1498.6/54

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 605.708+/-2.267 χ^2/NDF: 5526.7/26

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.784+/-1.952 χ^2/NDF: 8815.6/31

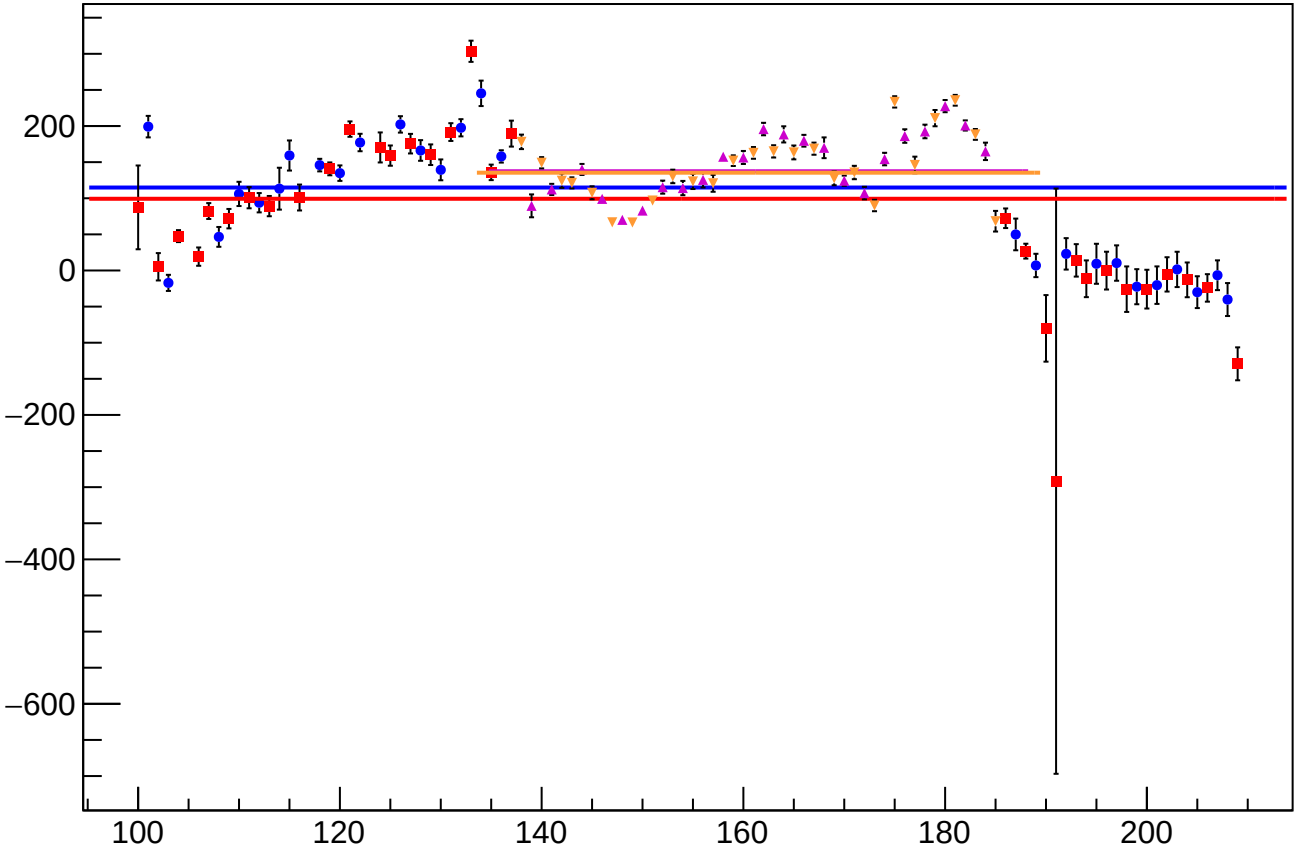
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 550.294+/-1.472 χ^2/NDF: 9221.7/51

All: 560.136+/-1.011 χ^2/NDF: 21815.0/106

\- sign 568.928+/-1.391 χ^2/NDF: 12508.6/54

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 114.864+/-2.853 χ^2/NDF: 759.1/26

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 99.290+/-2.639 χ^2/NDF: 920.1/31

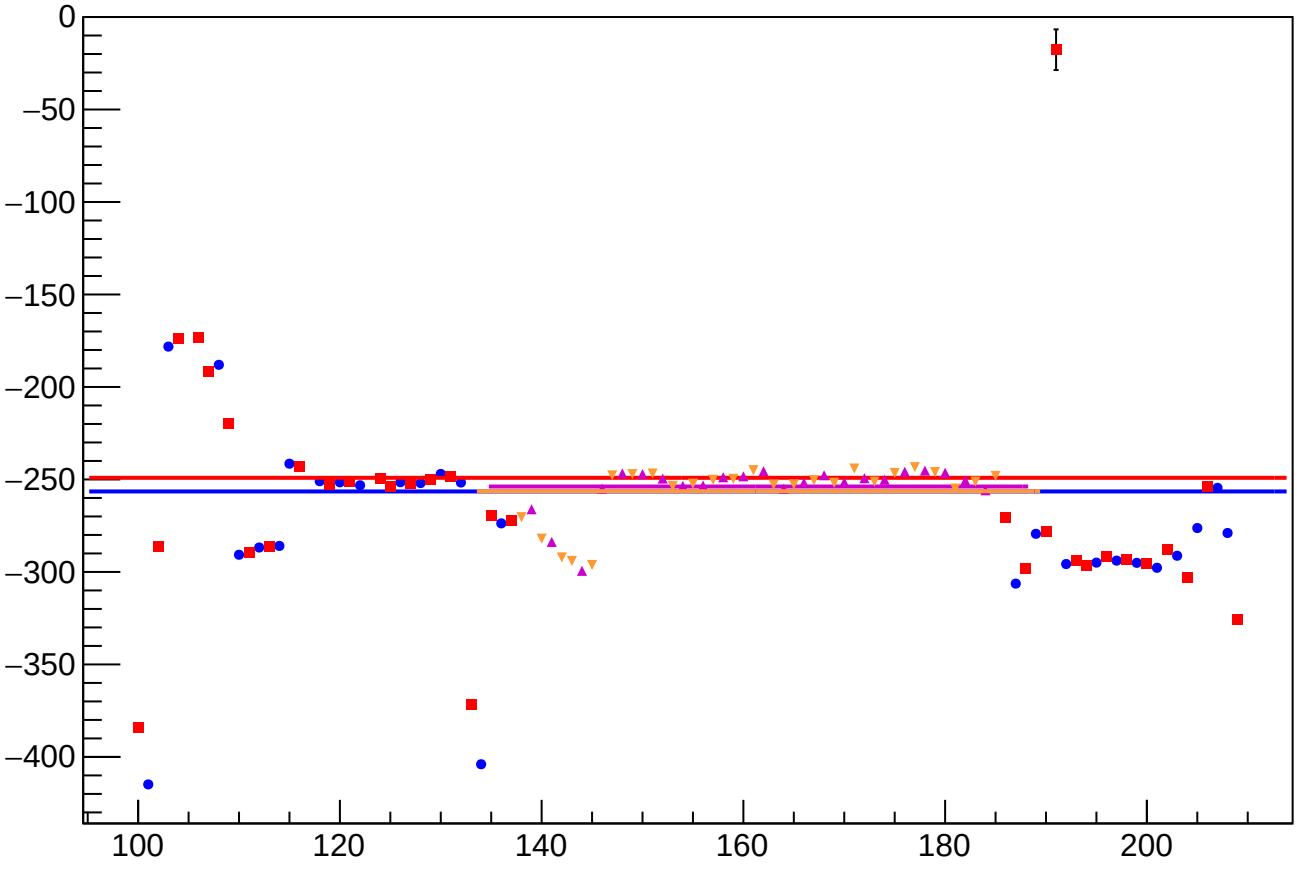
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 130.263+/-1.428 χ^2/NDF: 1721.1/51

All: 128.227+/-1.010 χ^2/NDF: 3498.3/106

- sign 126.182+/-1.430 χ^2/NDF: 1773.1/54

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -256.481+/-0.136 χ^2/NDF: 198460.6/26

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -249.104+/-0.130 χ^2/NDF: 153684.7/31

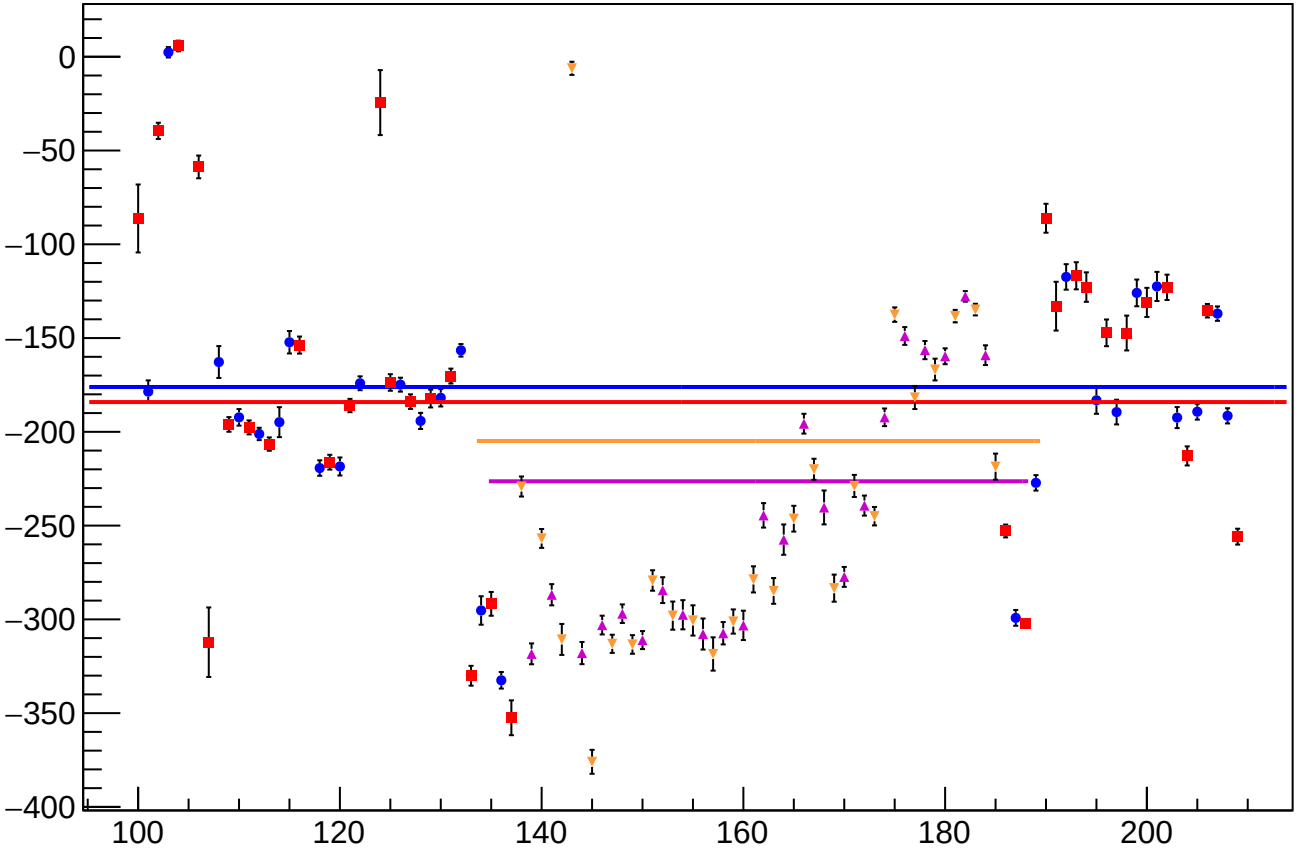
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.377+/-0.067 χ^2/NDF: 237974.7/51

All: -254.470+/-0.047 χ^2/NDF: 418317.6/106

- sign -252.575+/-0.067 χ^2/NDF: 178728.0/54

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.094+/-0.879 χ^2/NDF: 7276.6/26

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.125+/-0.817 χ^2/NDF: 11858.9/31

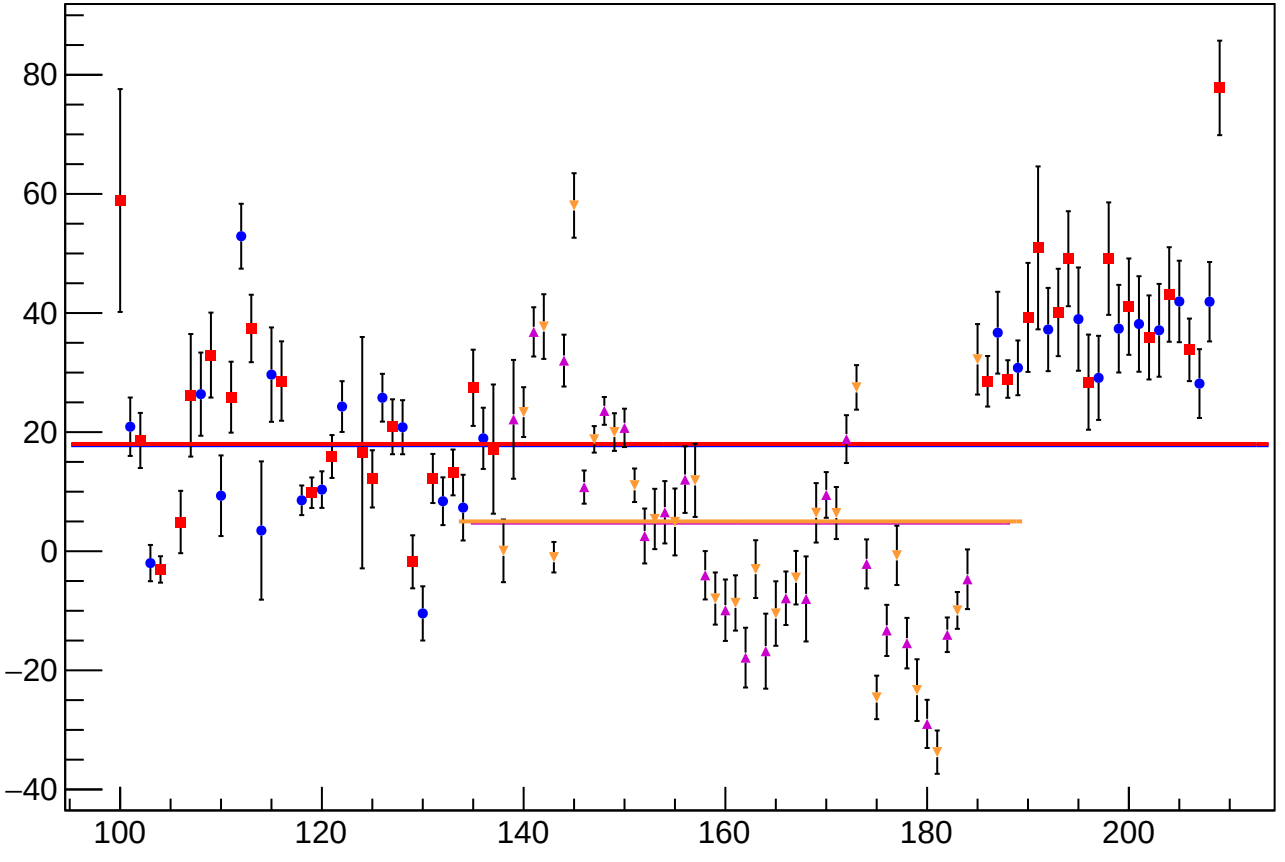
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -187.928+/-0.674 χ^2/NDF: 15544.3/51

All: -193.634+/-0.470 χ^2/NDF: 32706.9/106

- sign -199.045+/-0.657 χ^2/NDF: 17023.1/54

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 17.806+/-0.949 χ^2/NDF: 245.1/26

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.012+/-0.887 χ^2/NDF: 316.7/31

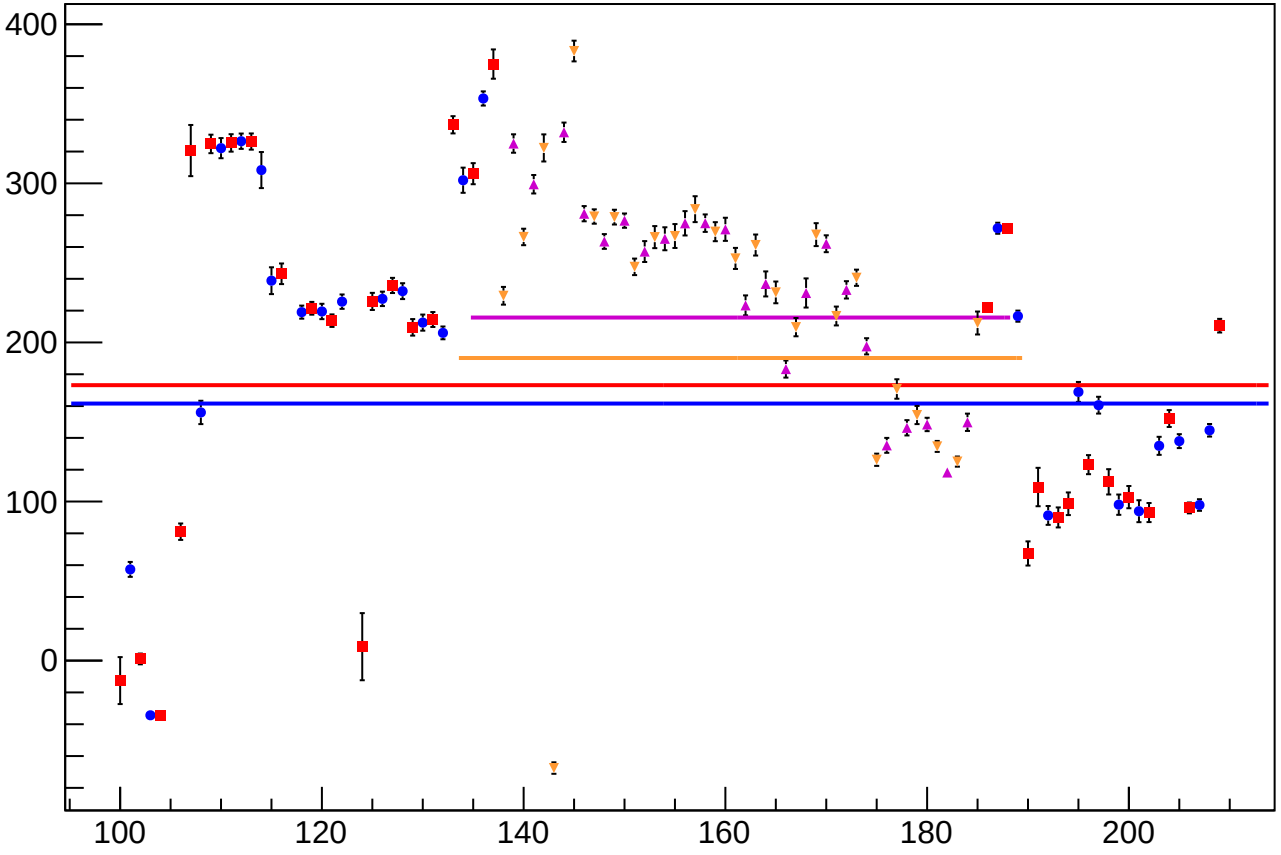
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 10.269+/-0.609 χ^2/NDF: 900.6/51

All: 10.679+/-0.432 χ^2/NDF: 1760.7/106

- sign 11.095+/-0.612 χ^2/NDF: 859.1/54

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 161.584+/-0.879 χ^2/NDF: 15920.6/26

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 173.144+/-0.794 χ^2/NDF: 21445.8/31

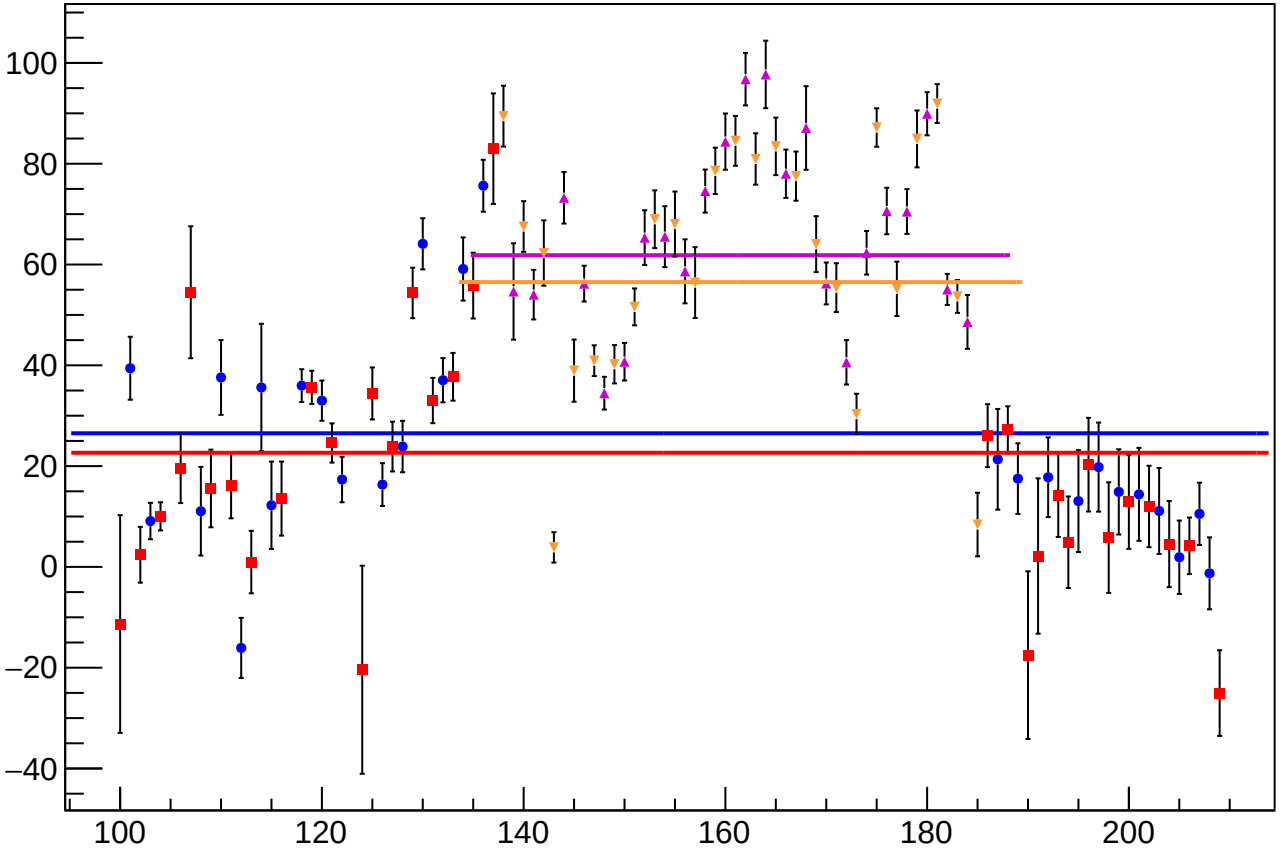
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 173.385+/-0.674 χ^2/NDF: 25741.8/51

All: 180.890+/-0.465 χ^2/NDF: 52294.5/106

- sign 187.726+/-0.643 χ^2/NDF: 26315.8/54

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 26.517+/-1.112 χ^2/NDF: 332.7/26

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.647+/-1.059 χ^2/NDF: 260.7/31

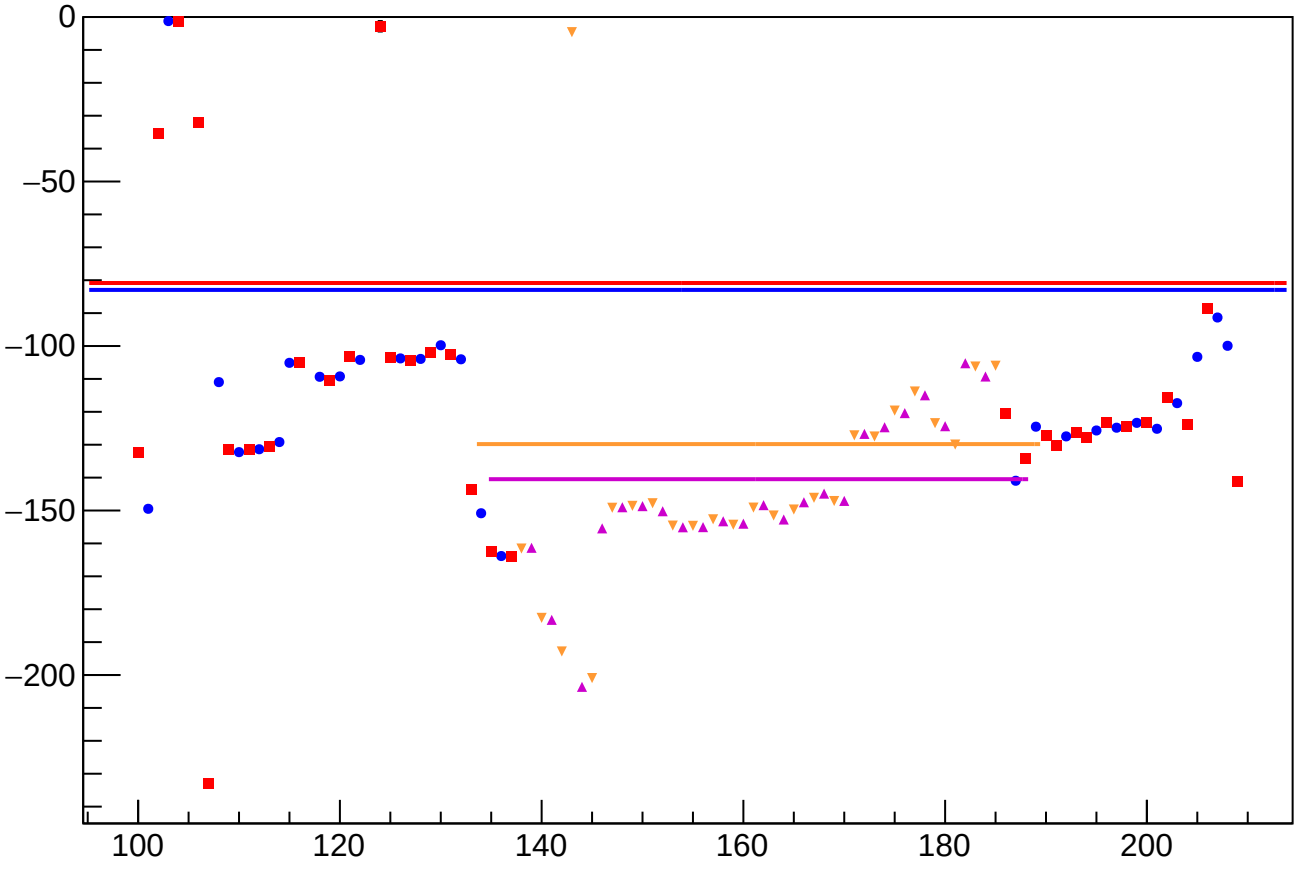
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 44.500+/-0.704 χ^2/NDF: 1567.7/51

All: 44.325+/-0.501 χ^2/NDF: 2900.1/106

- sign 44.146+/-0.712 χ^2/NDF: 1332.2/54

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -82.947+/-0.051 χ^2/NDF: 1300576.1/26

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -80.846+/-0.049 χ^2/NDF: 1279350.5/31

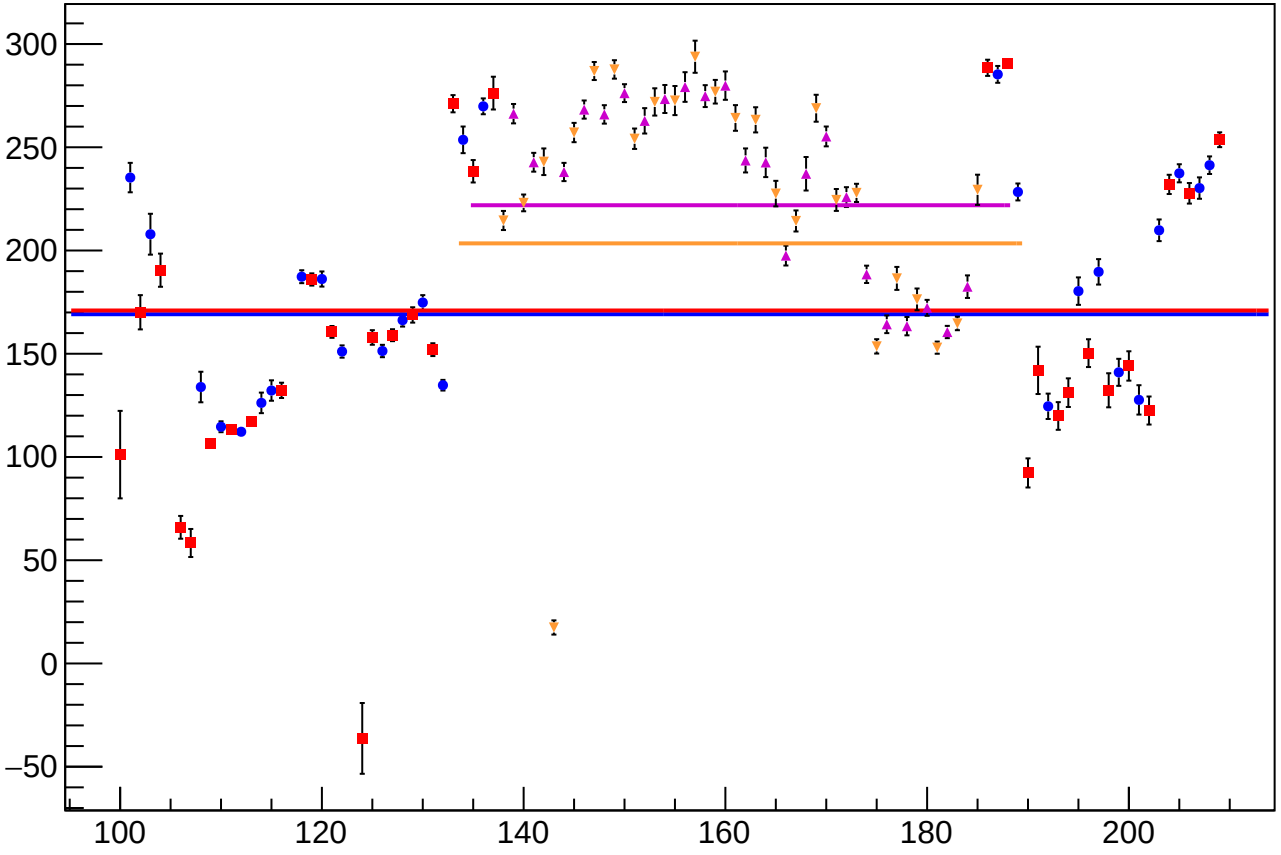
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.922+/-0.033 χ^2/NDF: 2823608.6/51

All: -112.622+/-0.023 χ^2/NDF: 5180509.7/10

- sign -114.337+/-0.033 χ^2/NDF: 2351429.4/54

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 169.143+/-0.758 χ^2/NDF: 4448.1/26

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 170.946+/-0.698 χ^2/NDF: 8995.8/31

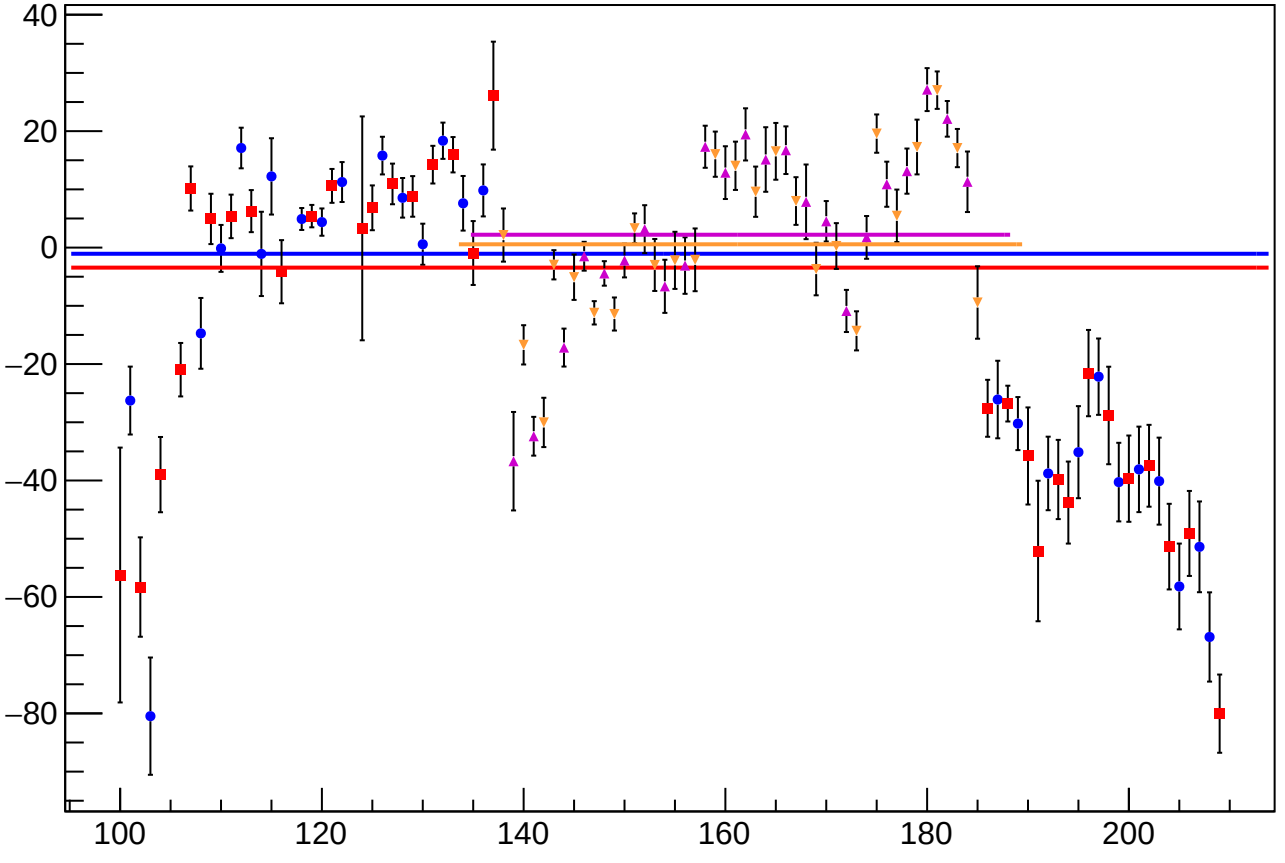
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 182.427+/-0.593 χ^2/NDF: 10734.0/51

All: 185.091+/-0.412 χ^2/NDF: 23496.2/106

- sign 187.576+/-0.573 χ^2/NDF: 12723.3/54

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -1.059+/-0.814 χ^2/NDF: 611.0/26

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -3.440+/-0.789 χ^2/NDF: 732.3/31

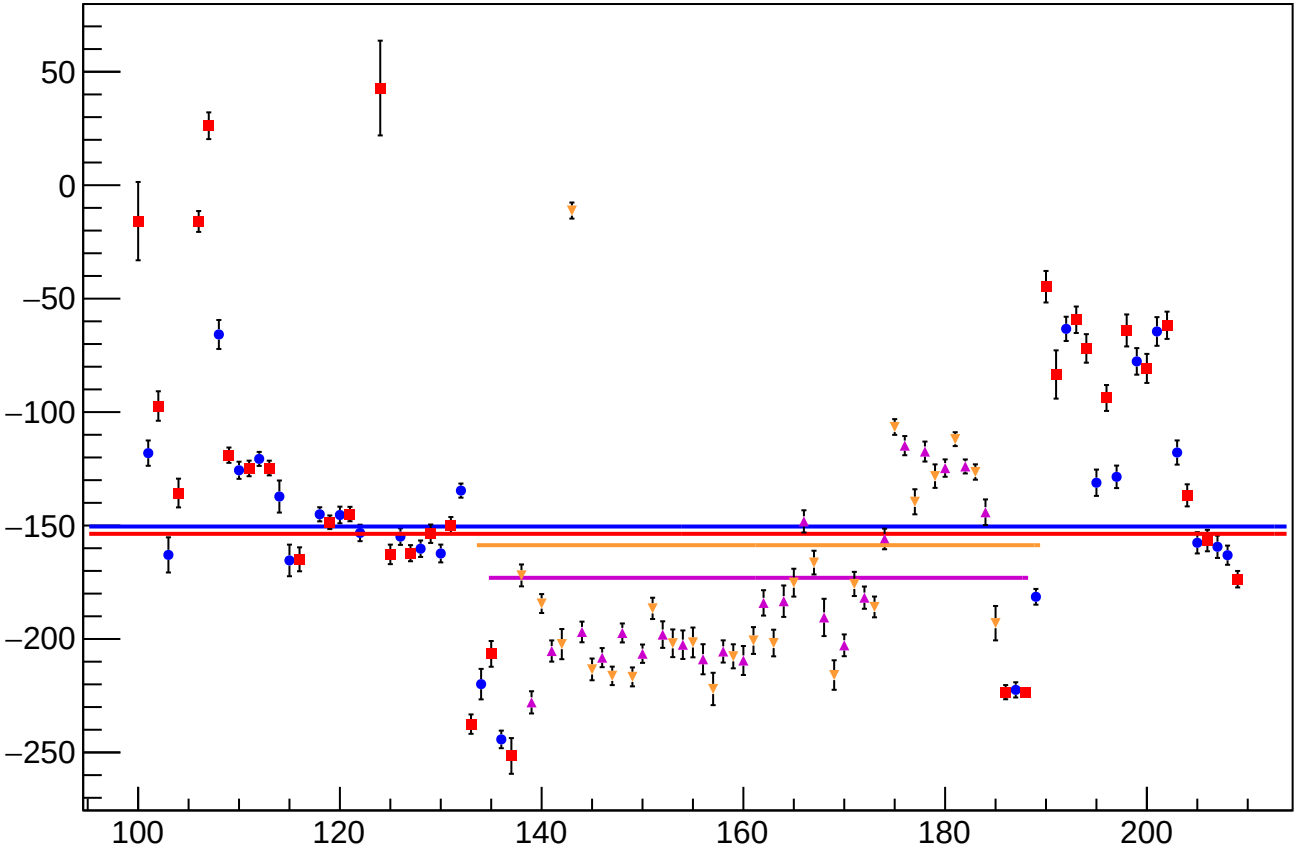
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -0.141+/-0.538 χ^2/NDF: 958.7/51

All: -0.321+/-0.384 χ^2/NDF: 2075.9/106

- sign -0.509+/-0.548 χ^2/NDF: 1117.0/54

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -150.432+/-0.828 χ^2/NDF: 2328.6/26

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -153.652+/-0.748 χ^2/NDF: 6446.3/31

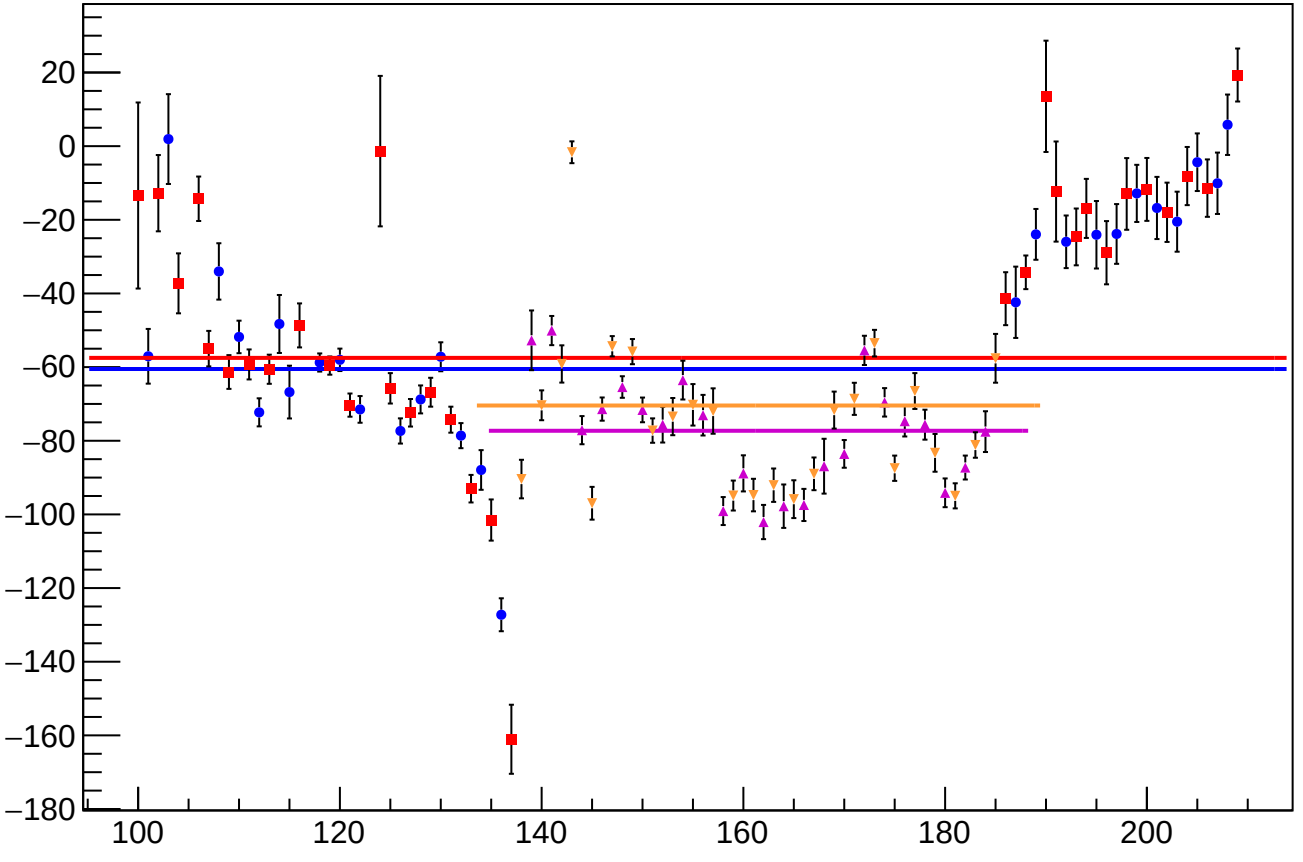
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -153.979+/-0.624 χ^2/NDF: 5862.9/51

All: -157.456+/-0.432 χ^2/NDF: 14011.2/106

- sign -160.648+/-0.598 χ^2/NDF: 8088.8/54

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -60.515+/-0.951 χ^2/NDF: 705.2/26

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -57.494+/-0.925 χ^2/NDF: 810.8/31

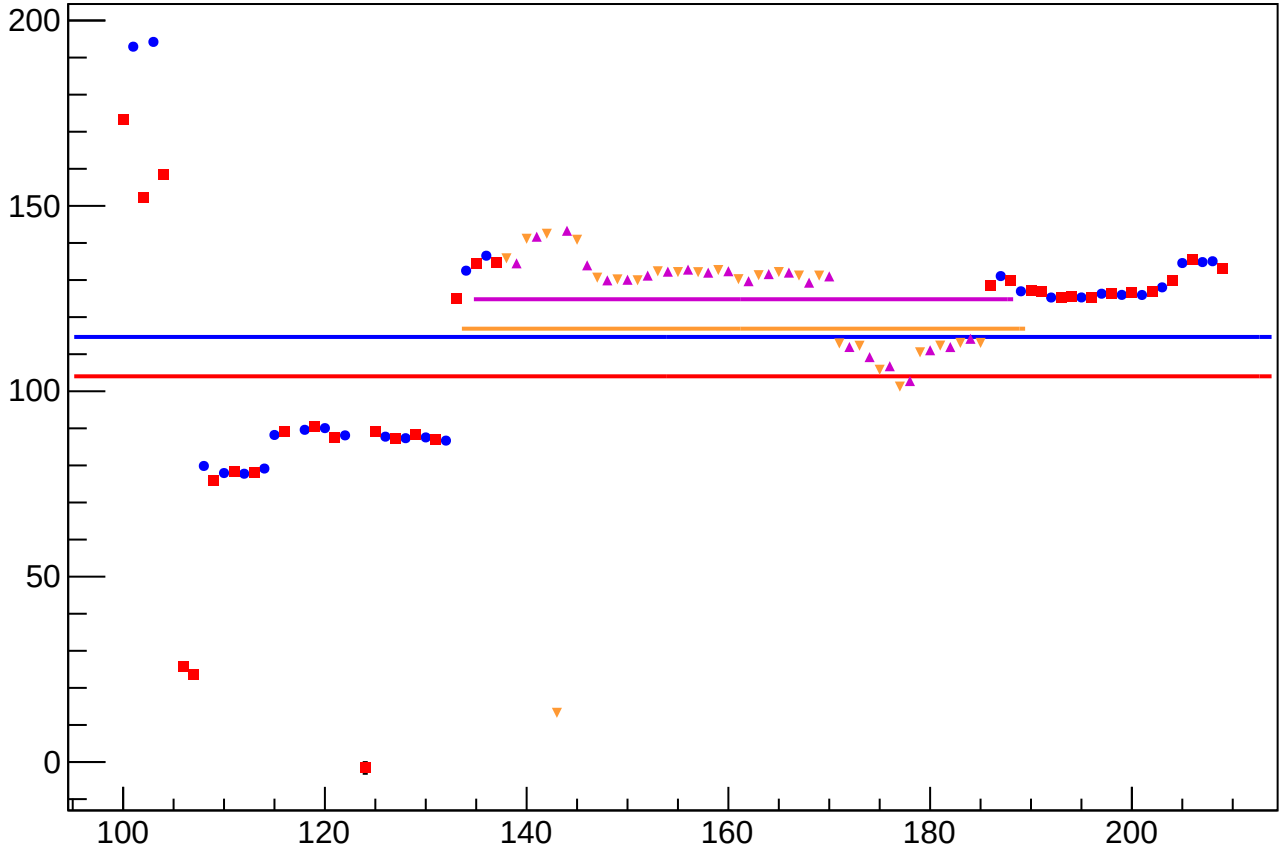
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -66.191+/-0.622 χ^2/NDF: 1669.1/51

All: -67.103+/-0.443 χ^2/NDF: 2982.6/106

- sign -68.047+/-0.632 χ^2/NDF: 1309.2/54

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.651+/-0.055 χ^2/NDF: 281331.2/26

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 104.034+/-0.051 χ^2/NDF: 528423.9/31

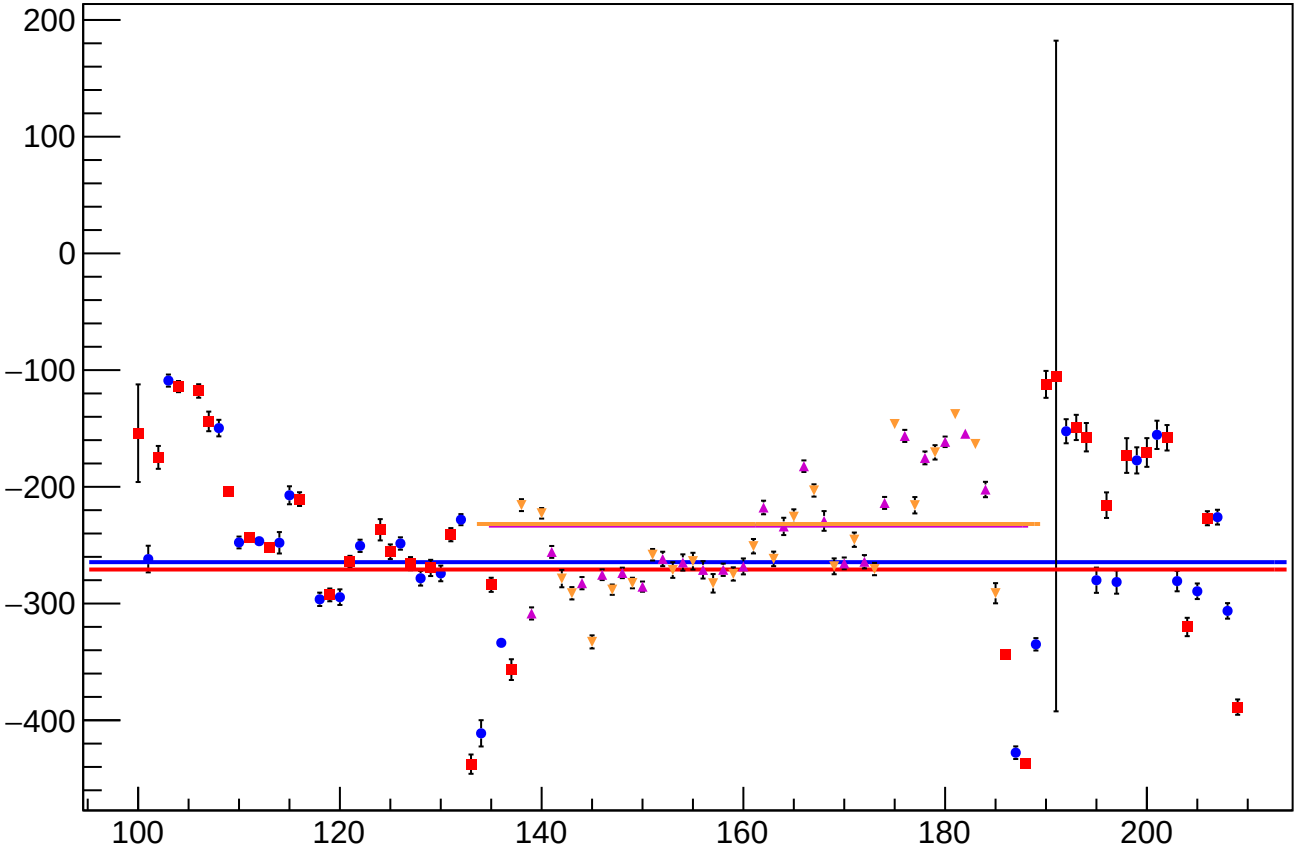
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.152+/-0.031 χ^2/NDF: 905561.2/51

All: 116.567+/-0.022 χ^2/NDF: 1627852.0/106

- sign 116.975+/-0.031 χ^2/NDF: 721941.4/54

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.536+/-1.214 χ^2/NDF: 3270.5/26

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -270.850+/-1.078 χ^2/NDF: 7838.5/31

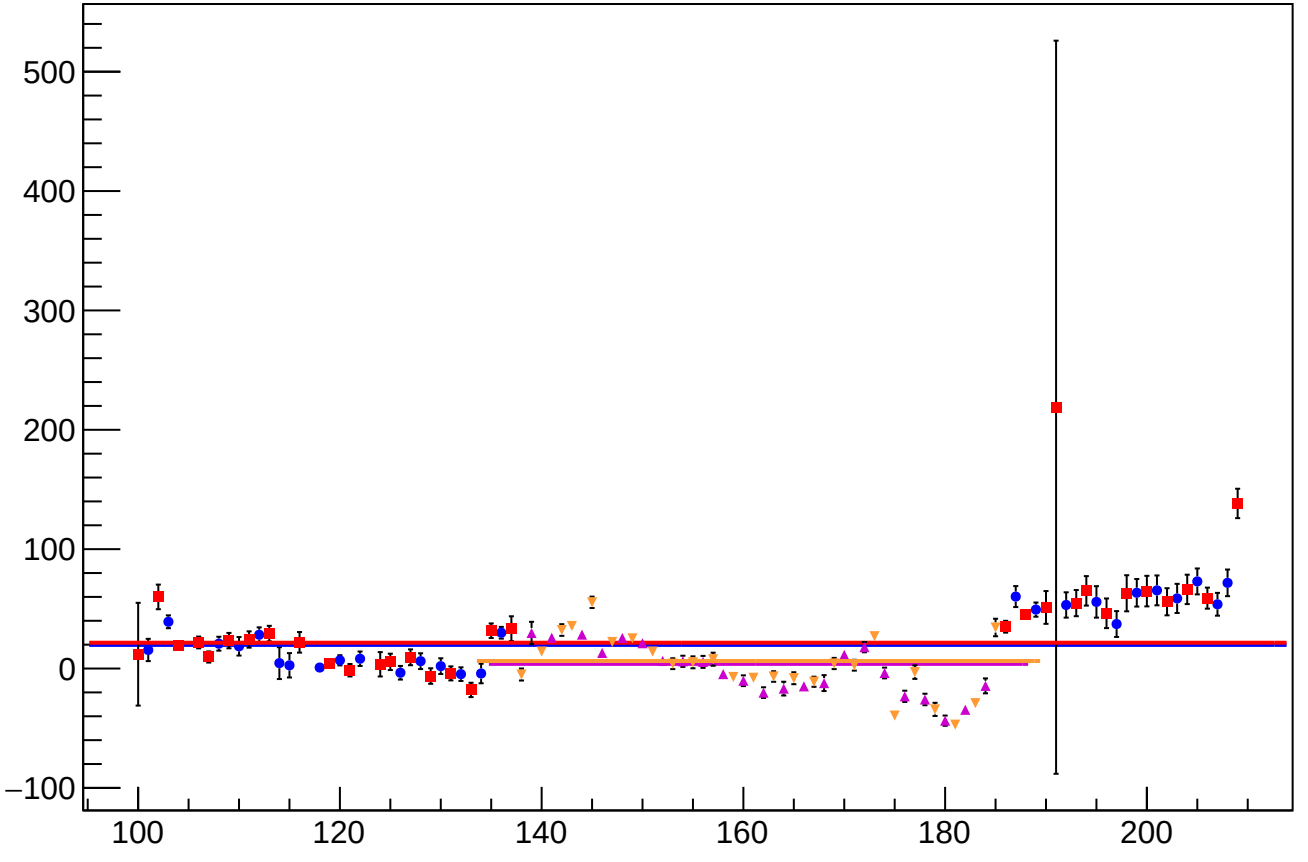
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -246.291+/-0.807 χ^2/NDF: 6351.8/51

All: -249.567+/-0.558 χ^2/NDF: 16880.6/106

- sign -252.569+/-0.772 χ^2/NDF: 10497.2/54

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 19.808+/-1.319 χ^2/NDF: 283.7/26

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 21.618+/-1.188 χ^2/NDF: 385.3/31

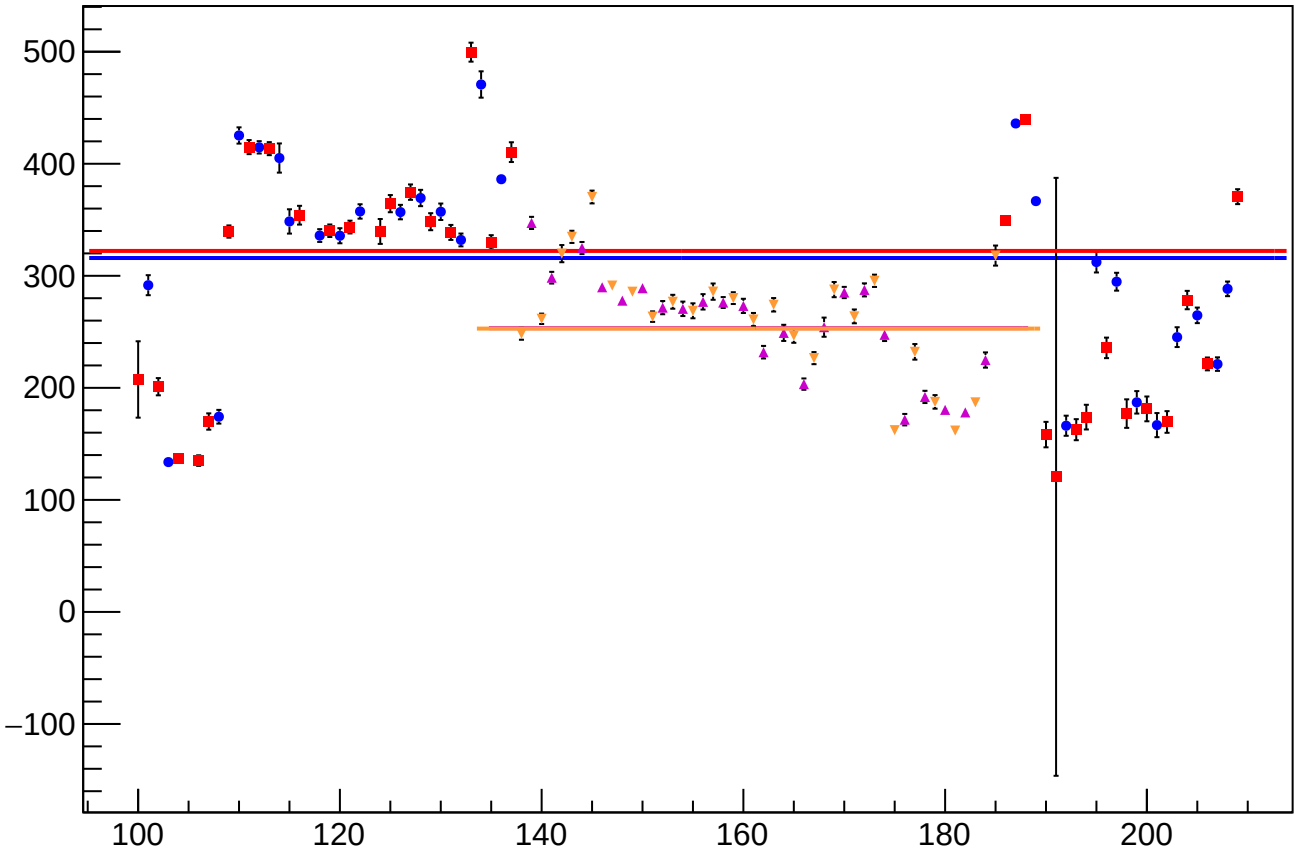
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 9.852+/-0.677 χ^2/NDF: 1232.5/51

All: 9.729+/-0.478 χ^2/NDF: 2419.1/106

- sign 9.607+/-0.674 χ^2/NDF: 1186.4/54

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 315.879+/-1.248 χ^2/NDF: 5682.7/26

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.206+/-1.072 χ^2/NDF: 10145.5/31

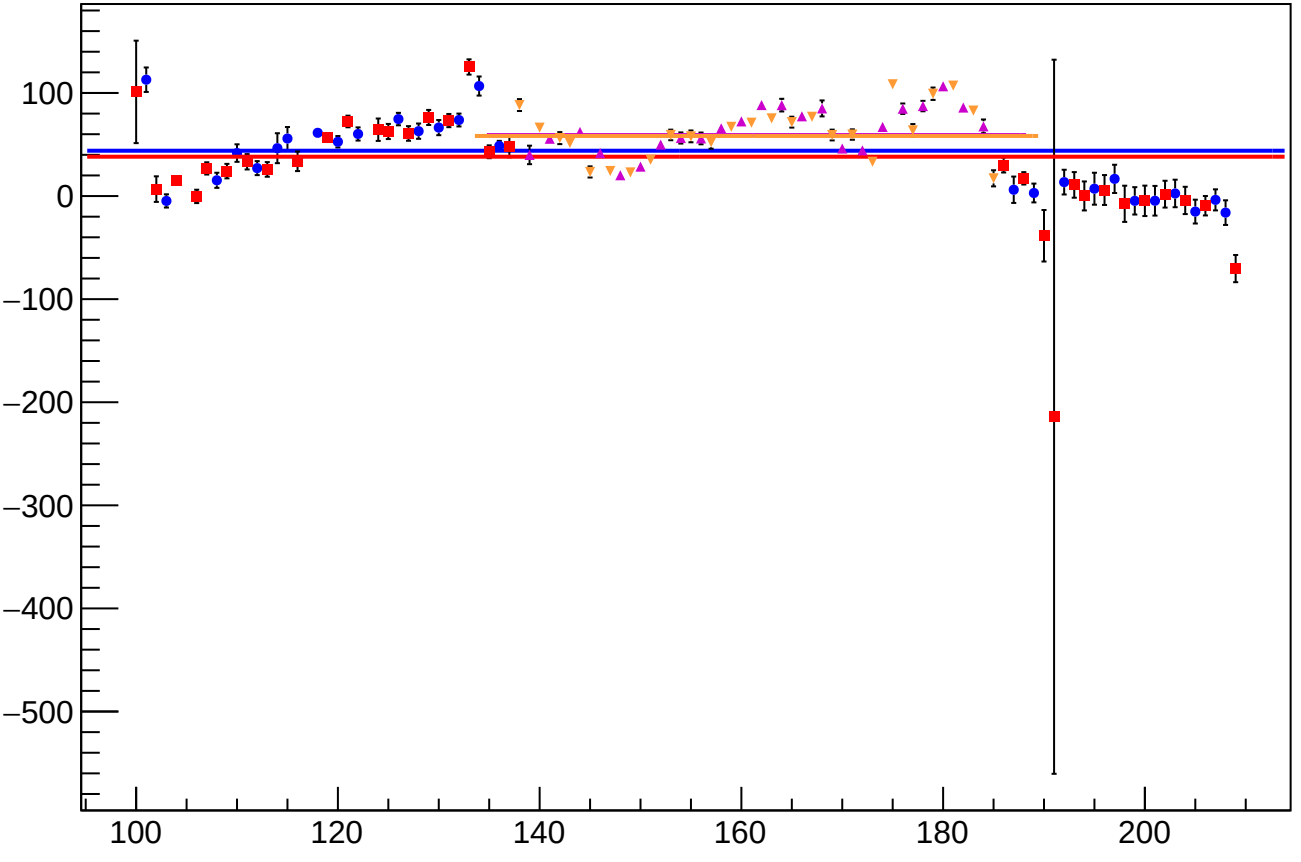
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 279.575+/-0.813 χ^2/NDF: 9728.9/51

All: 284.252+/-0.557 χ^2/NDF: 24024.3/106

- sign 288.403+/-0.766 χ^2/NDF: 14232.9/54

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 43.977+/-1.541 χ^2/NDF: 401.2/26

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 38.177+/-1.421 χ^2/NDF: 520.9/31

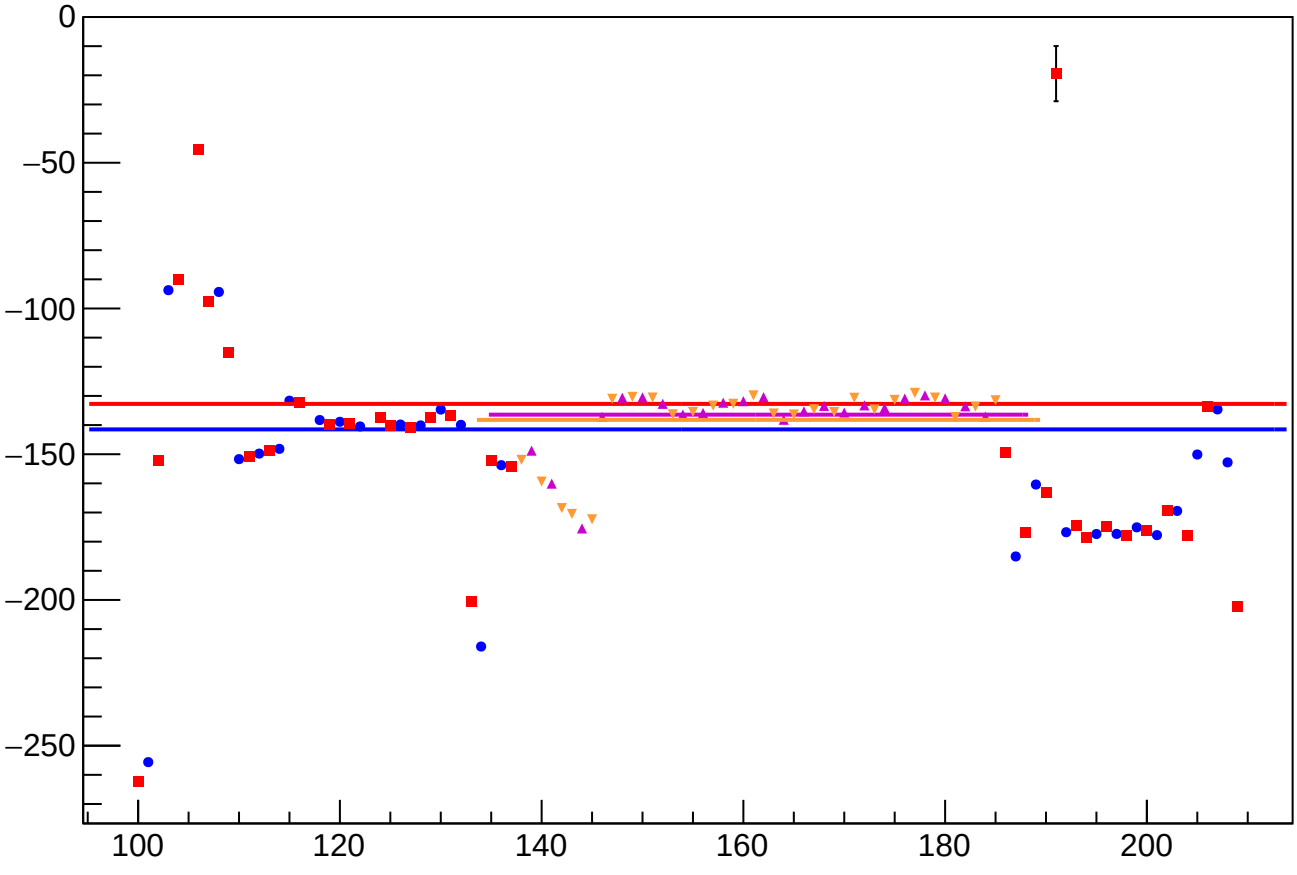
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

\+ sign 54.591+/-0.784 χ^2/NDF: 1315.5/51

All: 53.687+/-0.554 χ^2/NDF: 2623.1/106

\- sign 52.785+/-0.783 χ^2/NDF: 1305.0/54

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.483+/-0.075 χ^2/NDF: 235362.6/26

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -132.736+/-0.071 χ^2/NDF: 345637.7/31

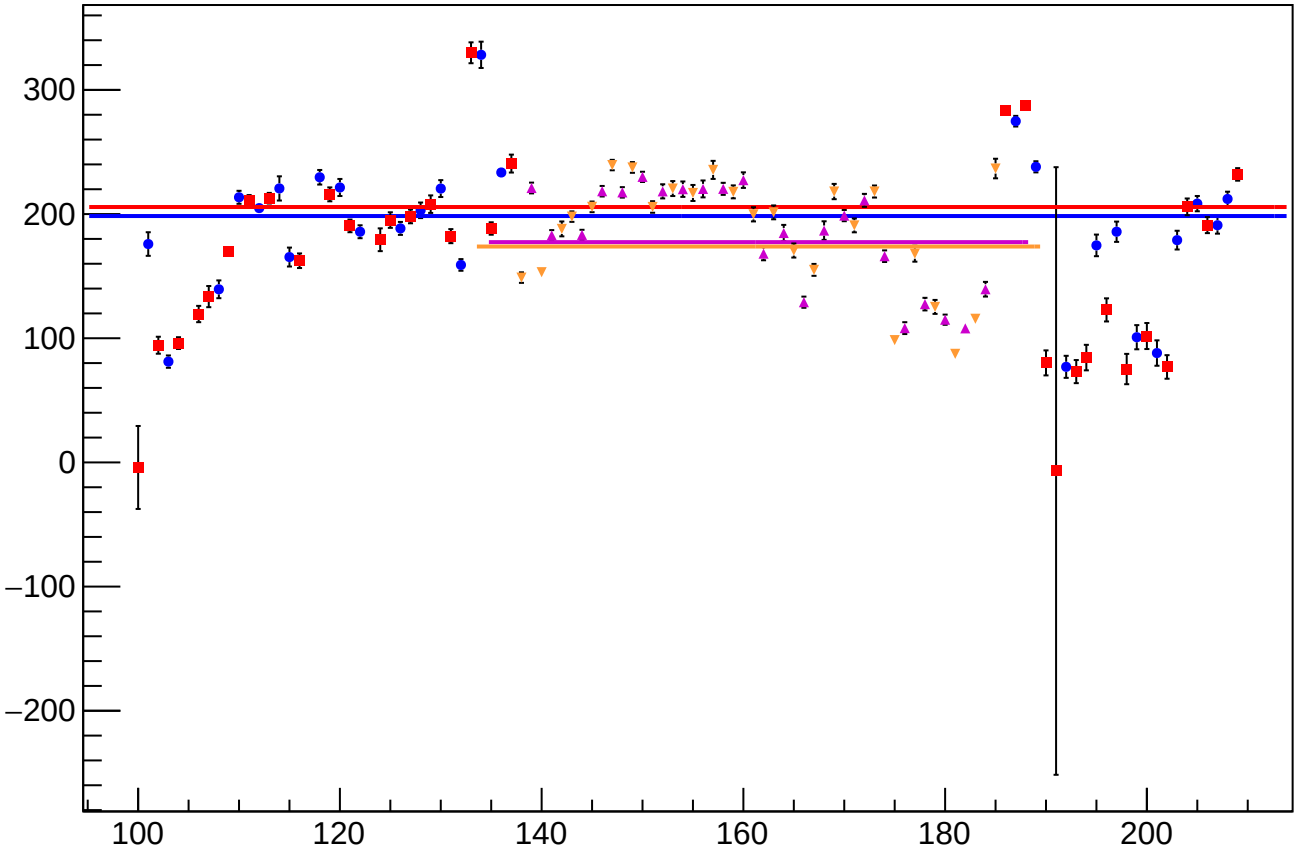
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.005+/-0.037 χ^2/NDF: 318614.4/51

All: -137.207+/-0.026 χ^2/NDF: 720701.0/106

- sign -135.442+/-0.037 χ^2/NDF: 397415.0/54

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 198.422+/-1.143 χ^2/NDF: 1869.0/26

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 205.684+/-1.006 χ^2/NDF: 4225.9/31

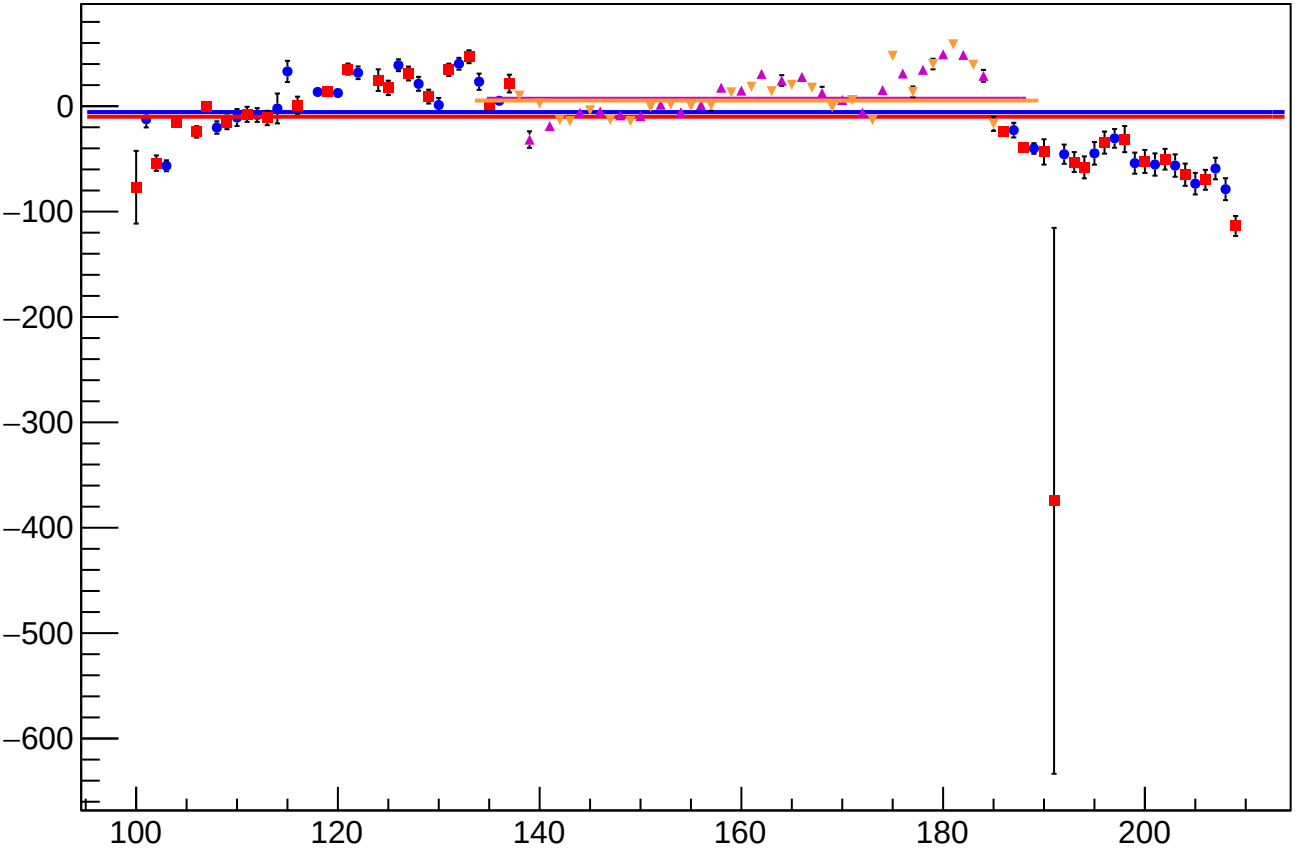
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 184.043+/-0.736 χ^2/NDF: 4766.7/51

All: 187.868+/-0.510 χ^2/NDF: 11407.0/106

- sign 191.401+/-0.708 χ^2/NDF: 6588.4/54

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -5.551+/-1.260 χ^2/NDF: 651.8/26

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -9.967+/-1.129 χ^2/NDF: 783.7/31

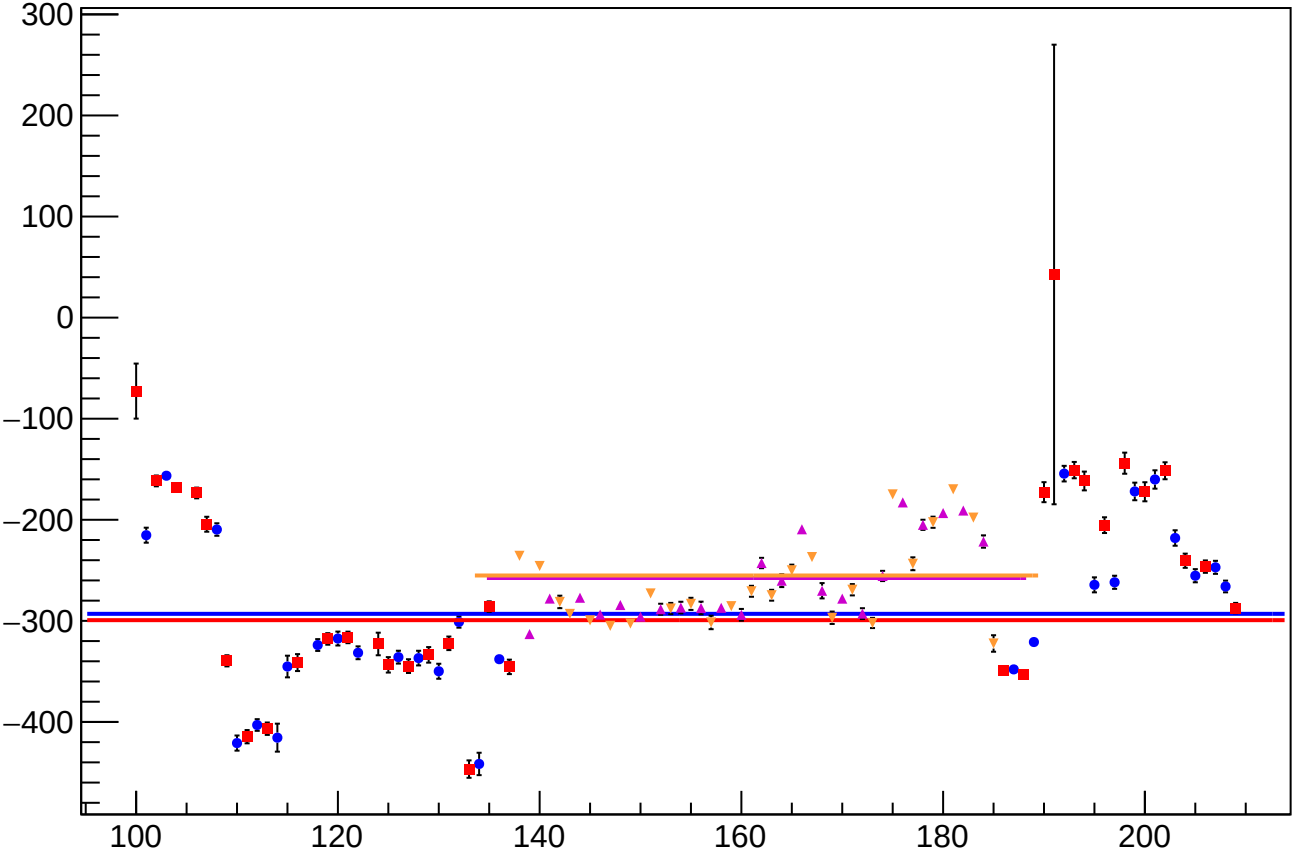
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

\+ sign 2.731+/-0.619 χ^2/NDF: 1518.7/51

All: 2.332+/-0.438 χ^2/NDF: 3171.7/106

\- sign 1.933+/-0.620 χ^2/NDF: 1652.2/54

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.049+/-1.148 χ^2/NDF: 4101.4/26

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.314+/-0.973 χ^2/NDF: 6708.4/31

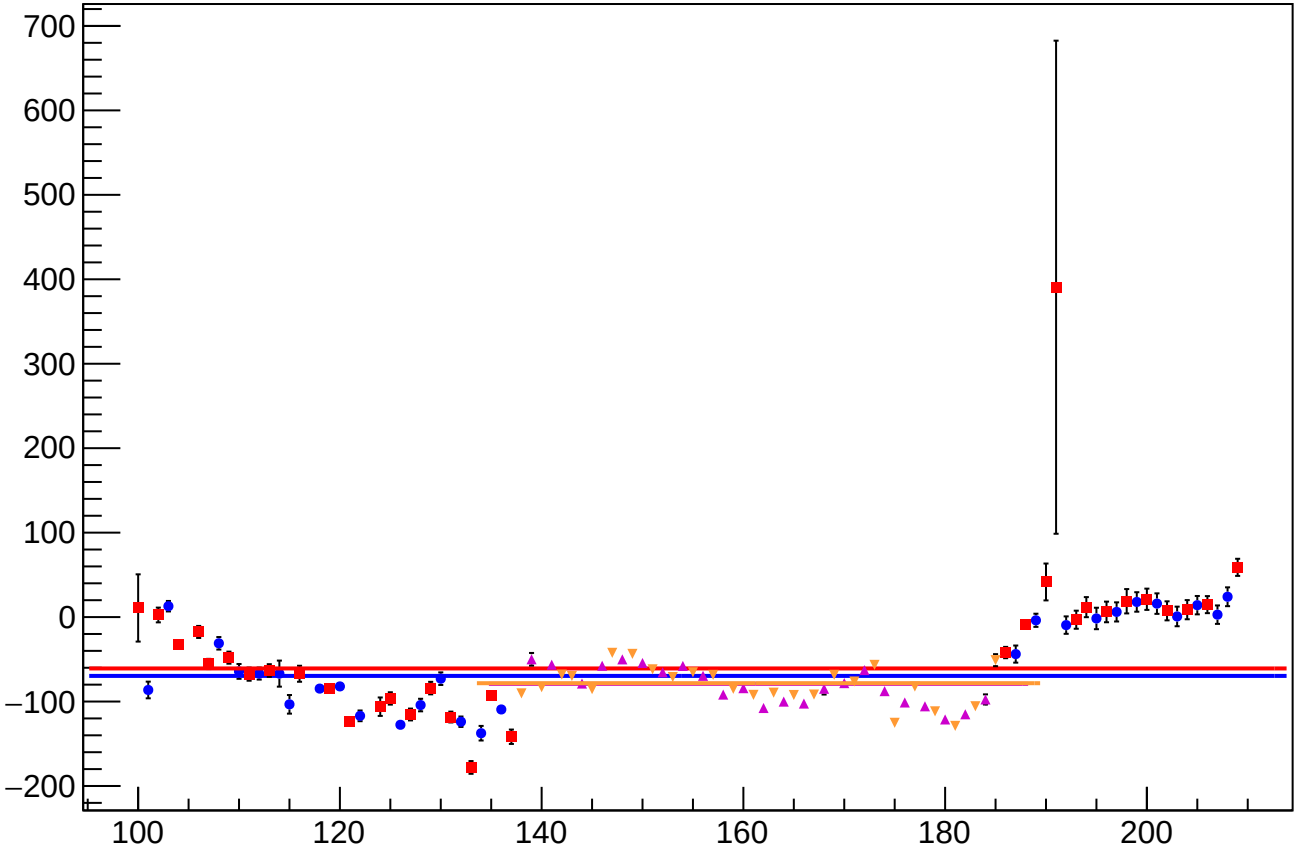
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -270.652+/-0.735 χ^2/NDF: 7090.3/51

All: -274.922+/-0.504 χ^2/NDF: 16578.5/106

- sign -278.710+/-0.692 χ^2/NDF: 9424.4/54

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -69.650+/-1.472 χ^2/NDF: 1139.9/26

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -60.813+/-1.358 χ^2/NDF: 1430.9/31

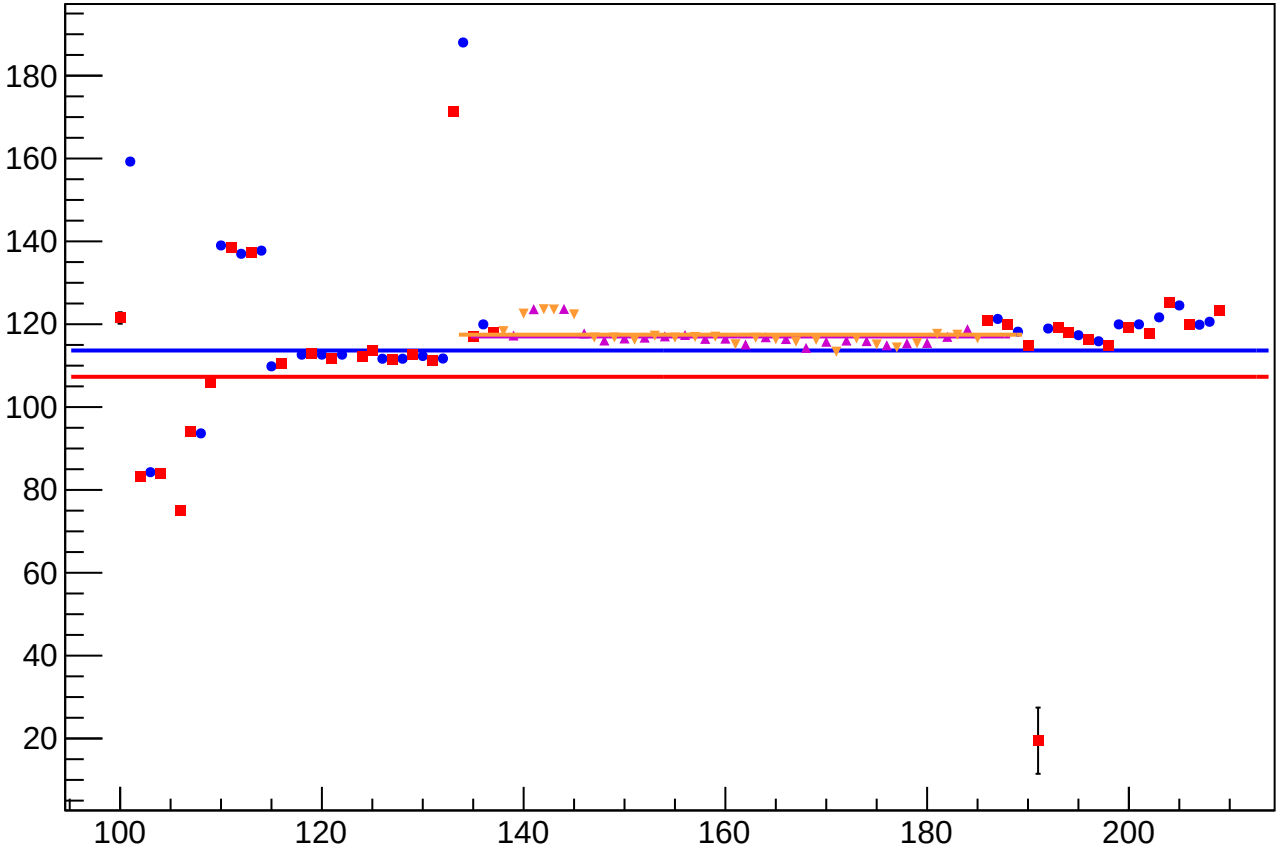
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -76.251+/-0.716 χ^2/NDF: 2034.4/51

All: -75.101+/-0.507 χ^2/NDF: 4303.1/106

- sign -73.937+/-0.720 χ^2/NDF: 2263.5/54

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.656+/-0.070 χ^2/NDF: 87403.0/26

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.309+/-0.065 χ^2/NDF: 80183.6/31

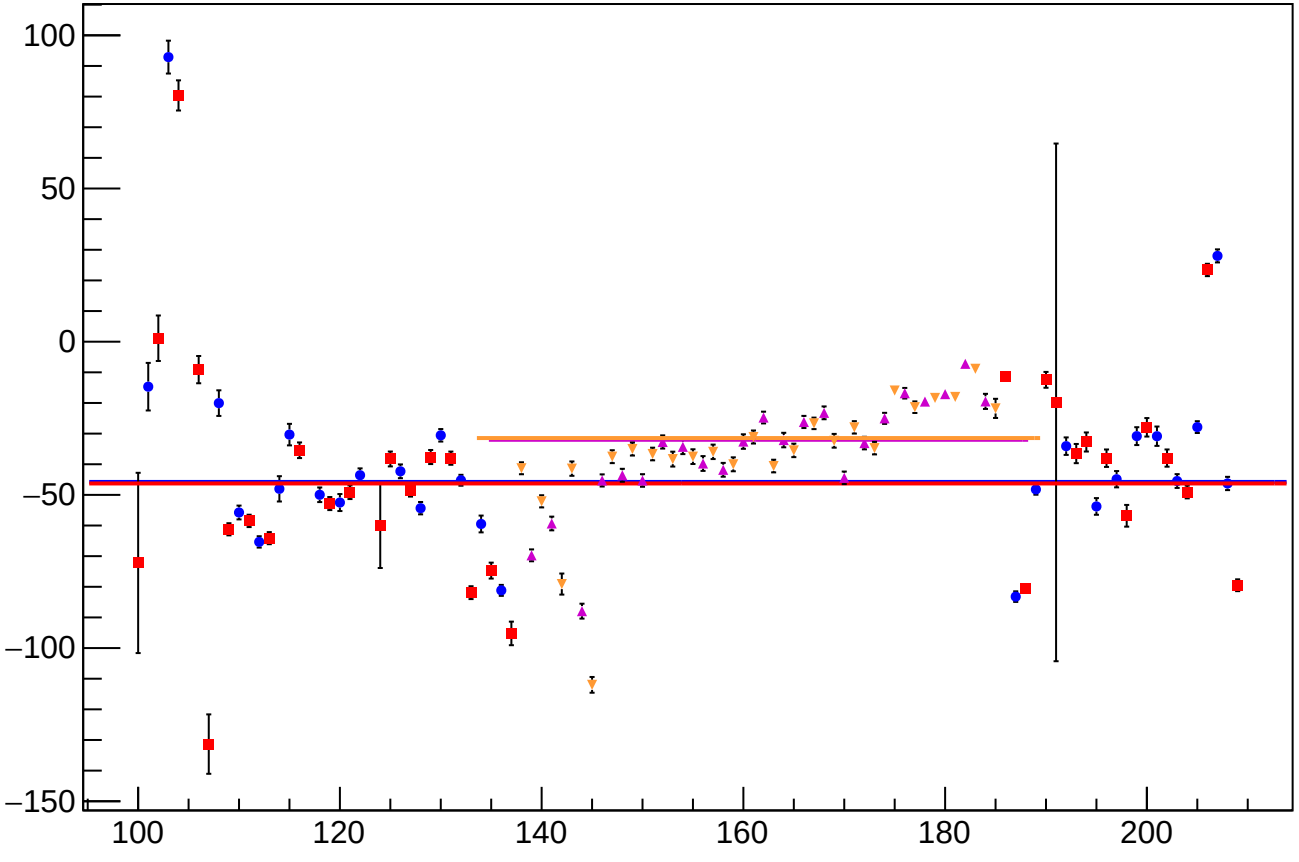
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.603+/-0.033 χ^2/NDF: 94455.1/51

All: 115.556+/-0.024 χ^2/NDF: 196443.8/106

- sign 114.519+/-0.033 χ^2/NDF: 100032.0/54

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -45.777+/-0.453 χ^2/NDF: 3204.5/26

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -46.273+/-0.403 χ^2/NDF: 5696.1/31

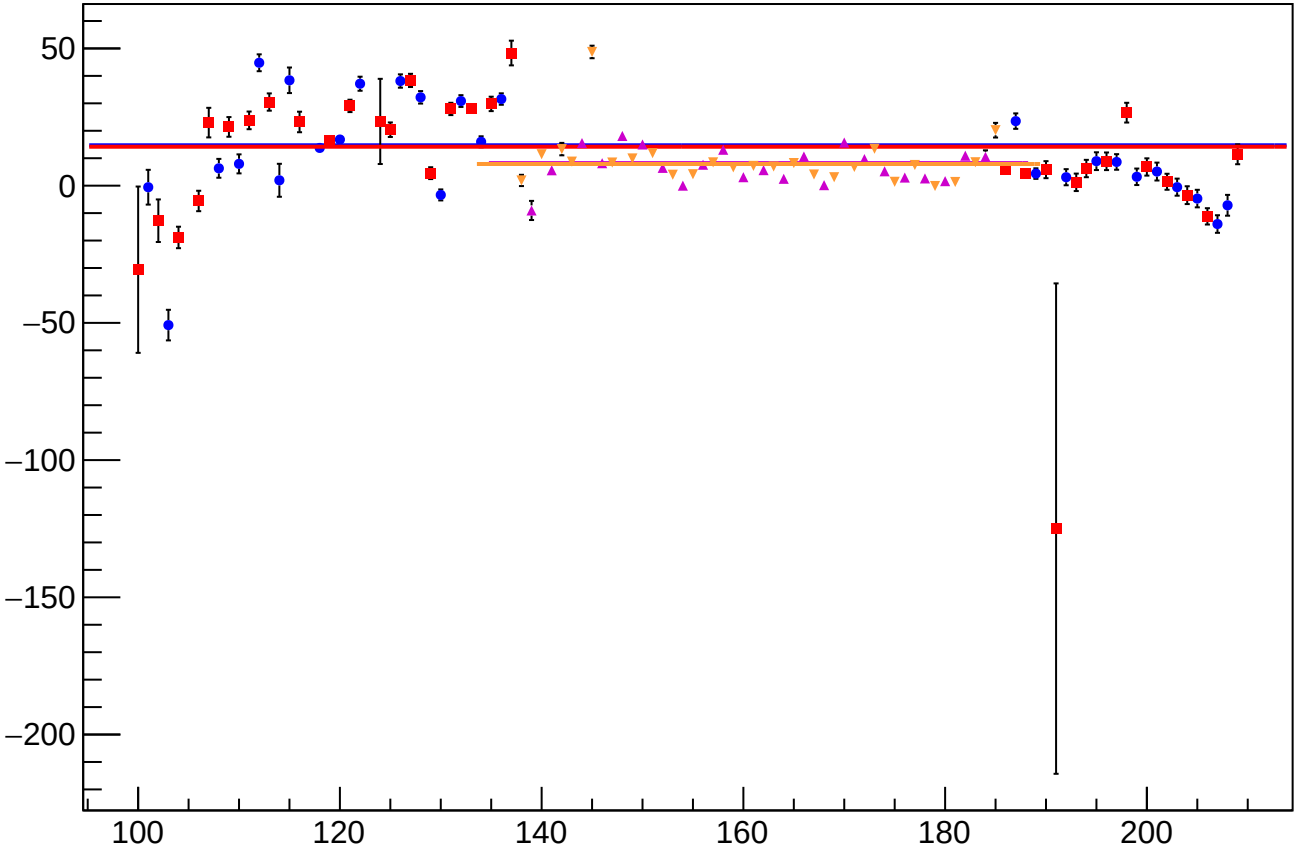
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -37.708+/-0.299 χ^2/NDF: 5759.9/51

All: -38.516+/-0.207 χ^2/NDF: 14000.5/106

\- sign -39.259+/-0.287 χ^2/NDF: 8226.6/54

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.715+/-0.502 χ^2/NDF: 972.5/26

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.192+/-0.462 χ^2/NDF: 813.4/31

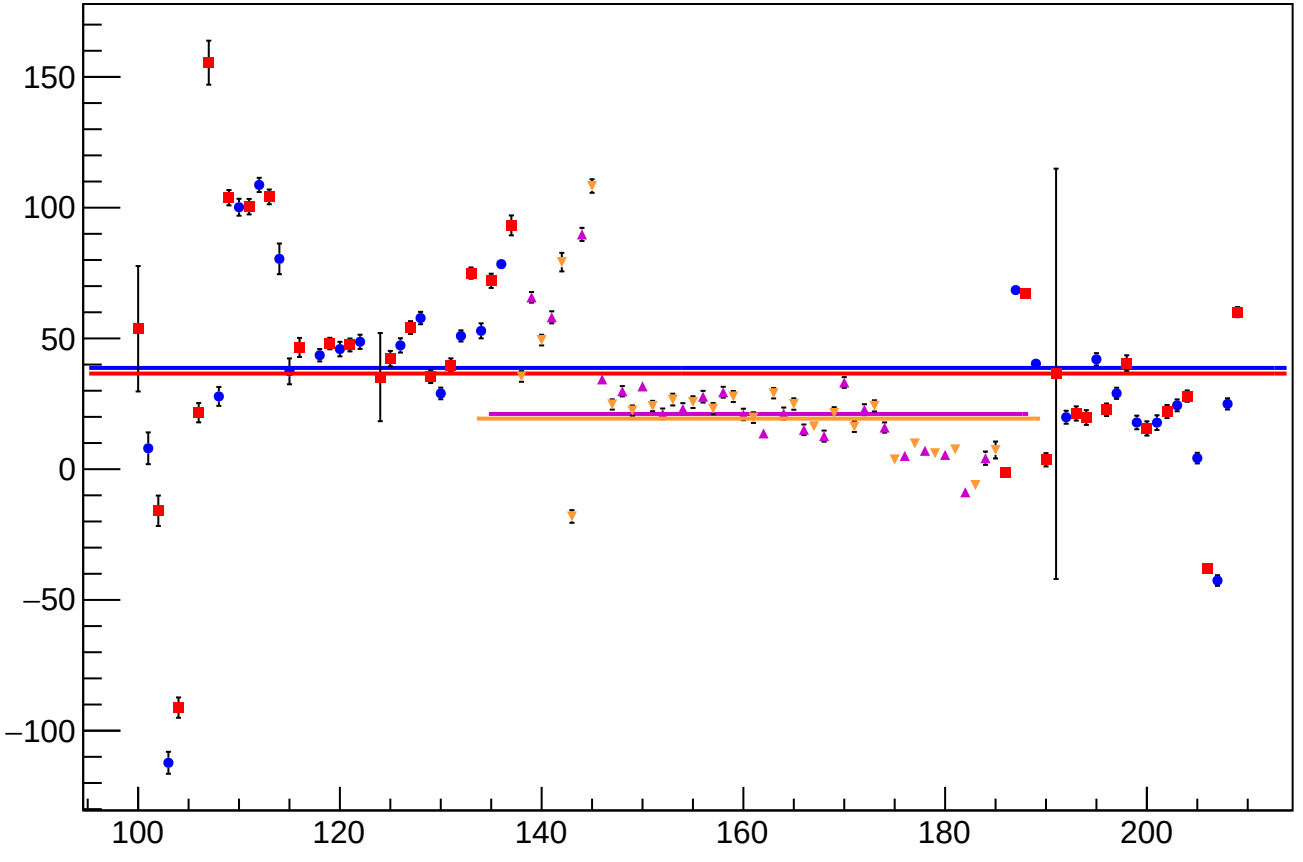
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.728+/-0.260 χ^2/NDF: 1598.3/51

All: 9.924+/-0.184 χ^2/NDF: 2865.3/106

- sign 10.121+/-0.261 χ^2/NDF: 1265.9/54

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.725+/-0.459 χ^2/NDF: 5670.9/26

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 36.569+/-0.386 χ^2/NDF: 9258.7/31

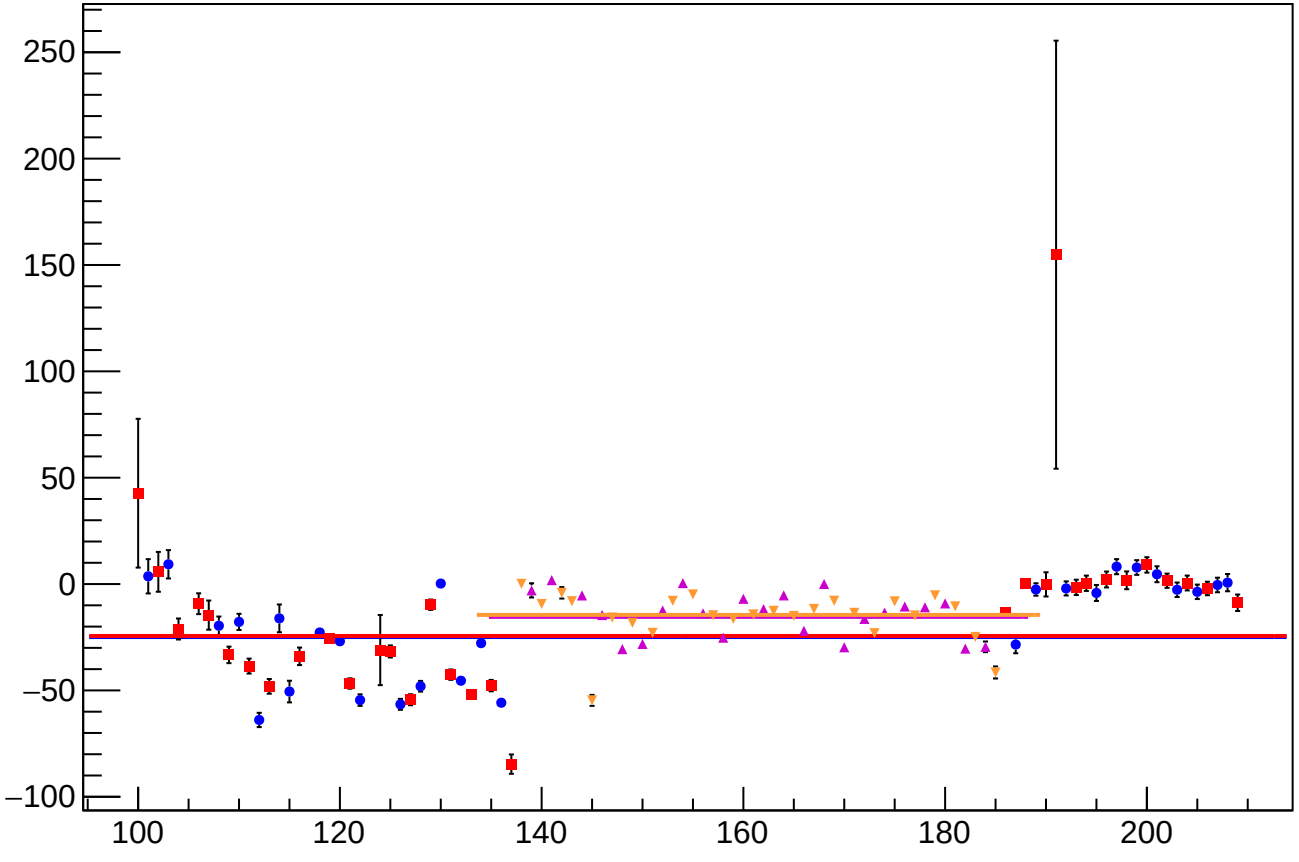
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 27.608+/-0.300 χ^2/NDF: 9377.7/51

All: 28.462+/-0.204 χ^2/NDF: 21918.3/106

\- sign 29.206+/-0.279 χ^2/NDF: 12525.4/54

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -24.904+/-0.584 χ^2/NDF: 1533.5/26

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -24.407+/-0.559 χ^2/NDF: 1522.2/31

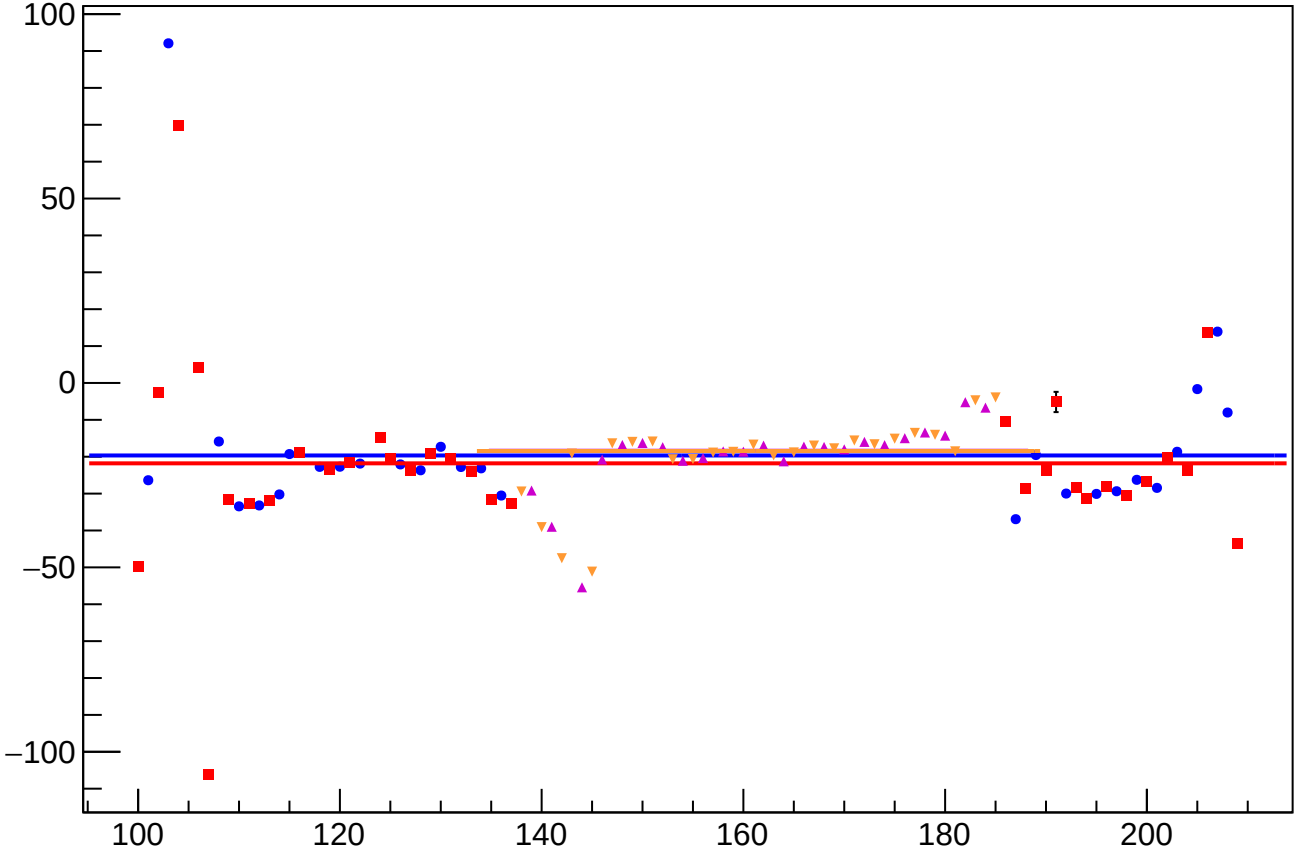
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.181+/-0.296 χ^2/NDF: 2410.0/51

All: -17.589+/-0.211 χ^2/NDF: 4919.1/106

- sign -18.006+/-0.300 χ^2/NDF: 2505.3/54

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -19.660+/-0.028 χ^2/NDF: 554909.0/26

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -21.794+/-0.028 χ^2/NDF: 480974.1/31

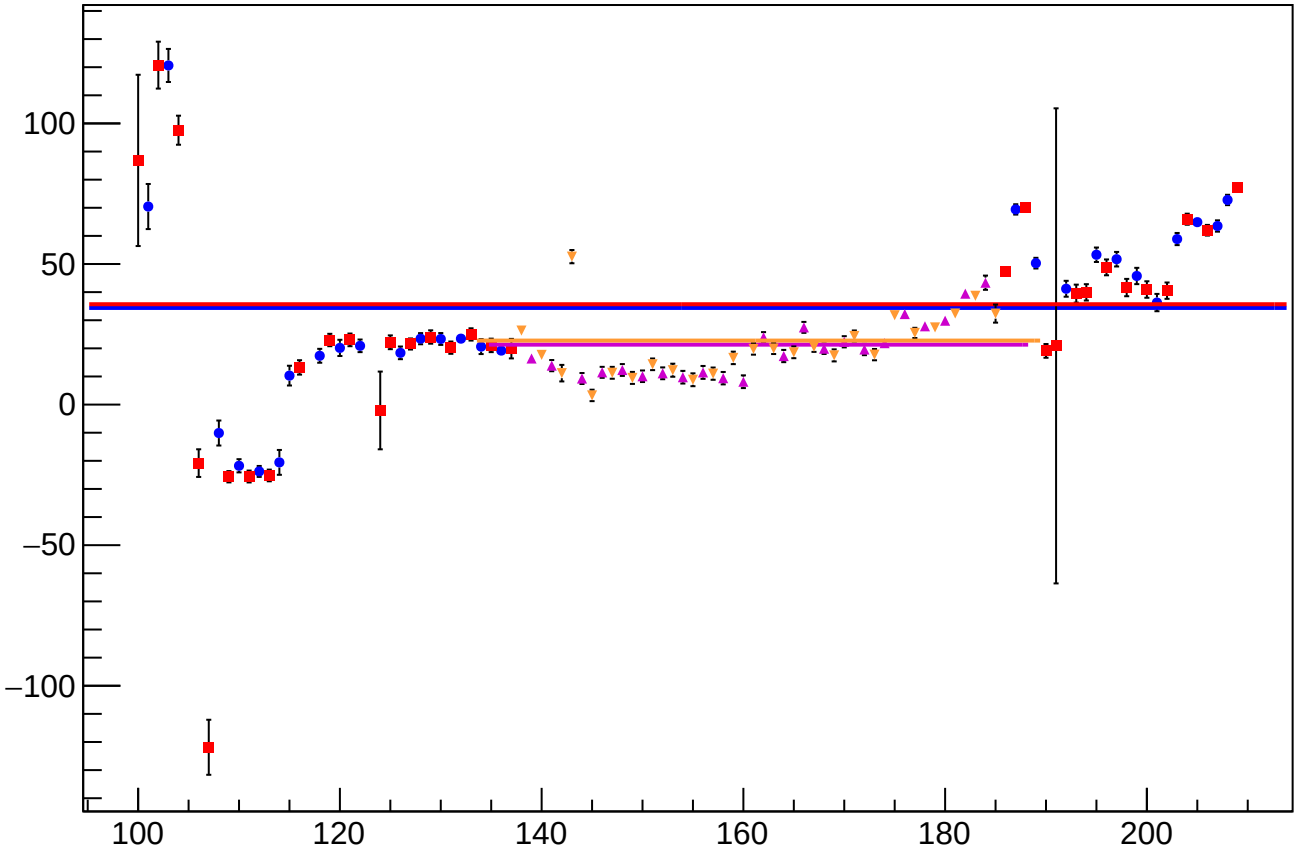
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.728+/-0.014 χ^2/NDF: 851673.5/51

All: -18.968+/-0.010 χ^2/NDF: 1594806.1/106

- sign -19.212+/-0.014 χ^2/NDF: 742501.6/54

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 34.381+/-0.450 χ^2/NDF: 3982.1/26

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 35.697+/-0.412 χ^2/NDF: 5930.7/31

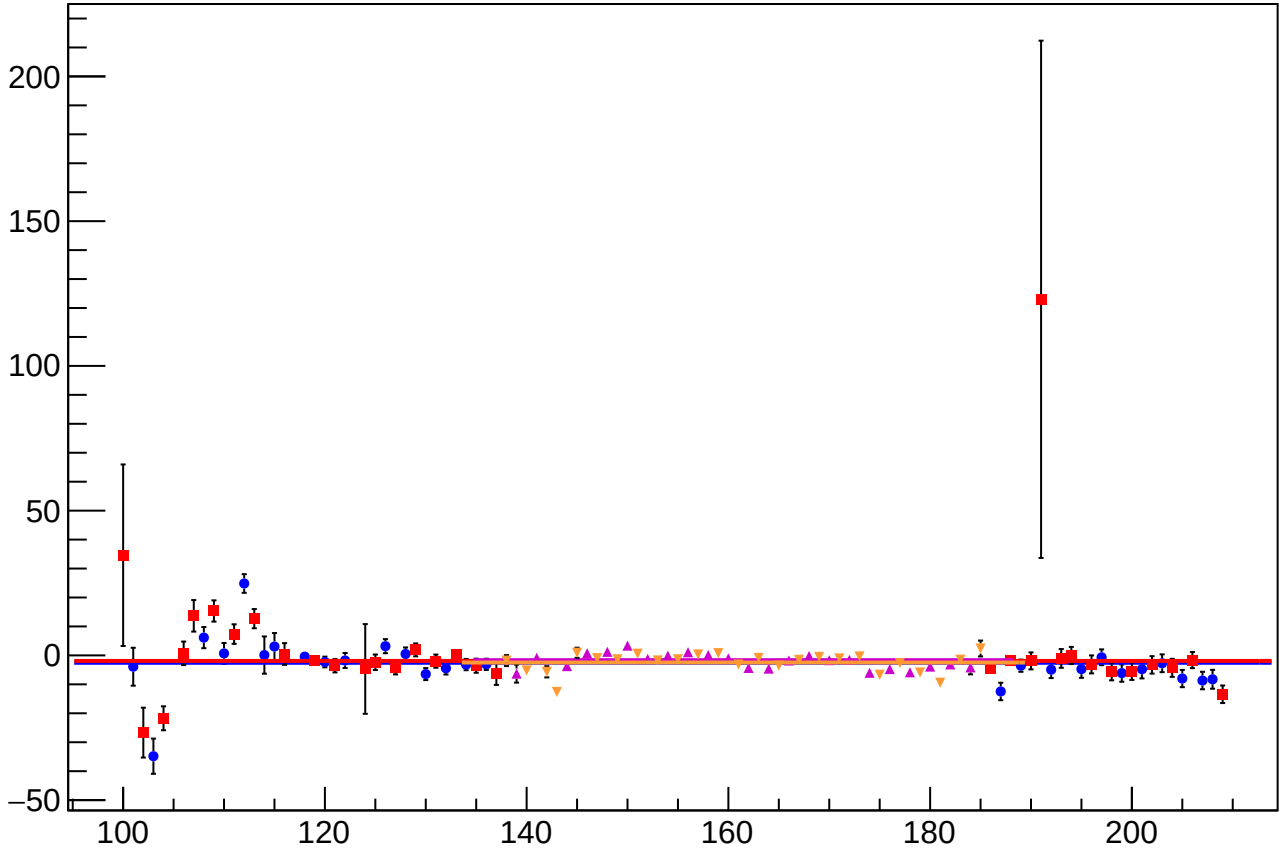
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 27.639+/-0.291 χ^2/NDF: 5091.5/51

All: 27.908+/-0.204 χ^2/NDF: 12291.0/106

- sign 28.164+/-0.284 χ^2/NDF: 7197.8/54

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.547+/-0.504 χ^2/NDF: 147.8/26

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.916+/-0.477 χ^2/NDF: 121.1/31

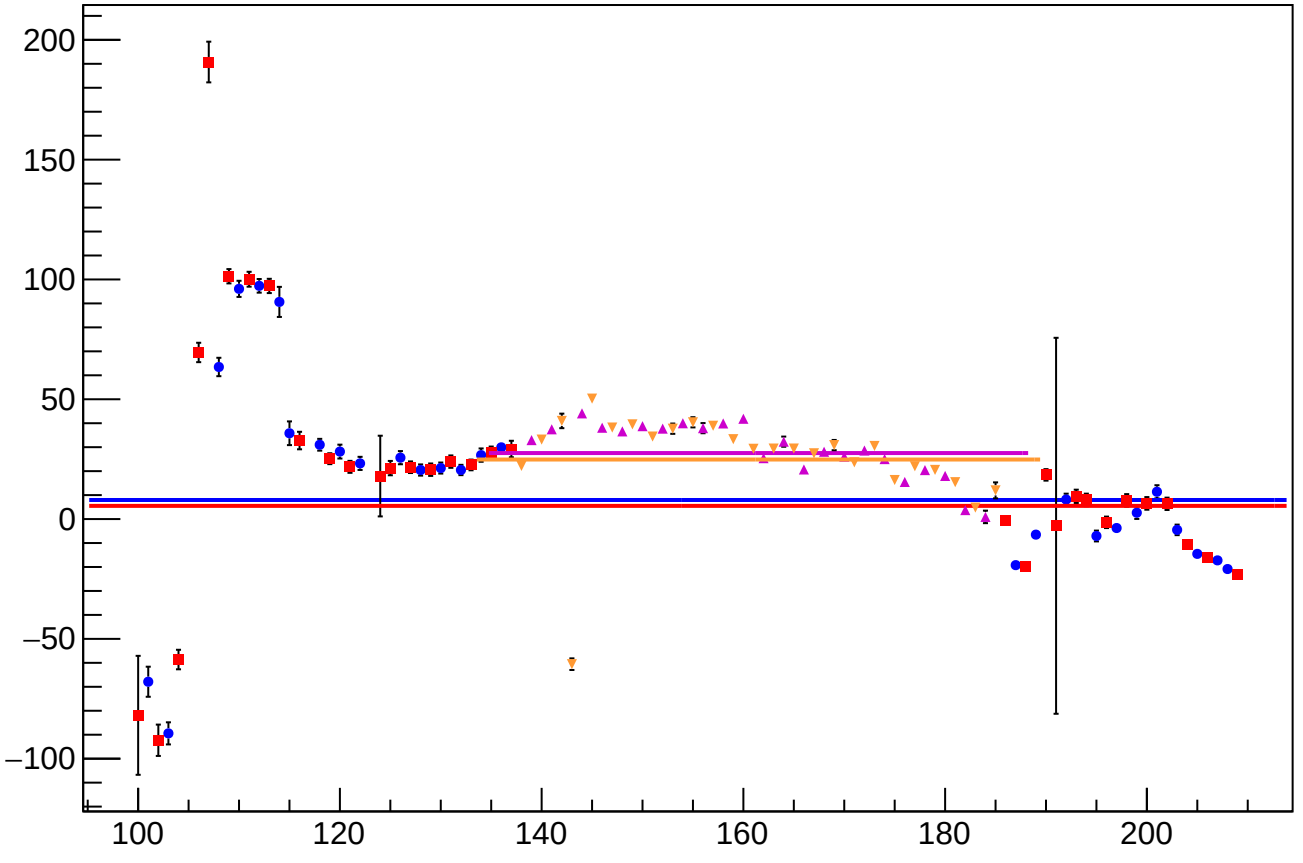
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.488+/-0.253 χ^2/NDF: 264.6/51

All: -2.115+/-0.180 χ^2/NDF: 460.5/106

- sign -1.734+/-0.256 χ^2/NDF: 191.6/54

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 7.958+/-0.457 χ^2/NDF: 4277.1/26

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 5.509+/-0.402 χ^2/NDF: 6069.3/31

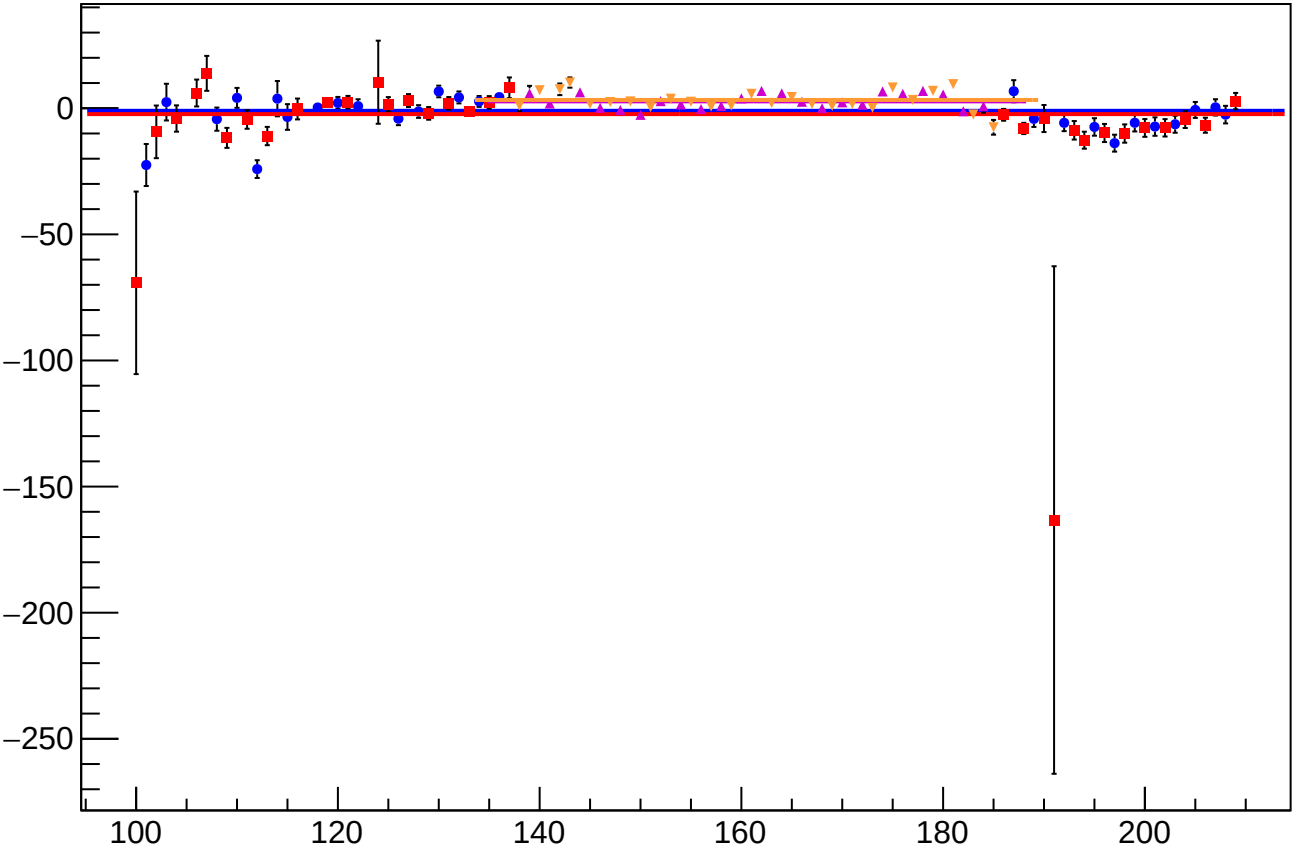
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 17.953+/-0.292 χ^2/NDF: 7133.5/51

All: 17.394+/-0.202 χ^2/NDF: 15646.6/106

- sign 16.883+/-0.279 χ^2/NDF: 8506.1/54

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.015+/-0.582 χ^2/NDF: 115.9/26

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.322+/-0.568 χ^2/NDF: 93.8/31

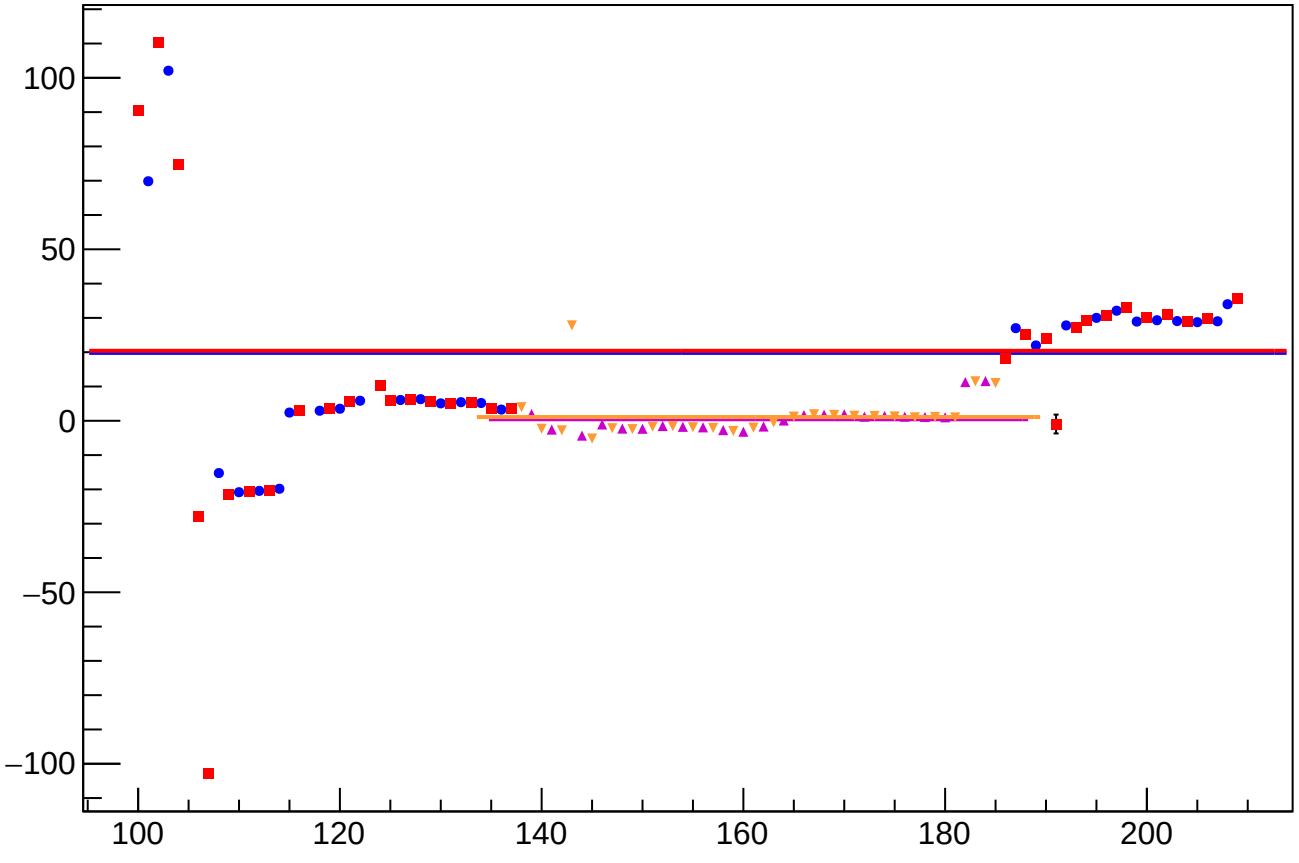
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

\+ sign 2.234+/-0.288 χ^2/NDF: 263.4/51

All: 1.818+/-0.205 χ^2/NDF: 493.9/106

\- sign 1.386+/-0.293 χ^2/NDF: 226.3/54

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 19.805+/-0.028 χ^2/NDF: 483379.3/26

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 20.407+/-0.027 χ^2/NDF: 633831.8/31

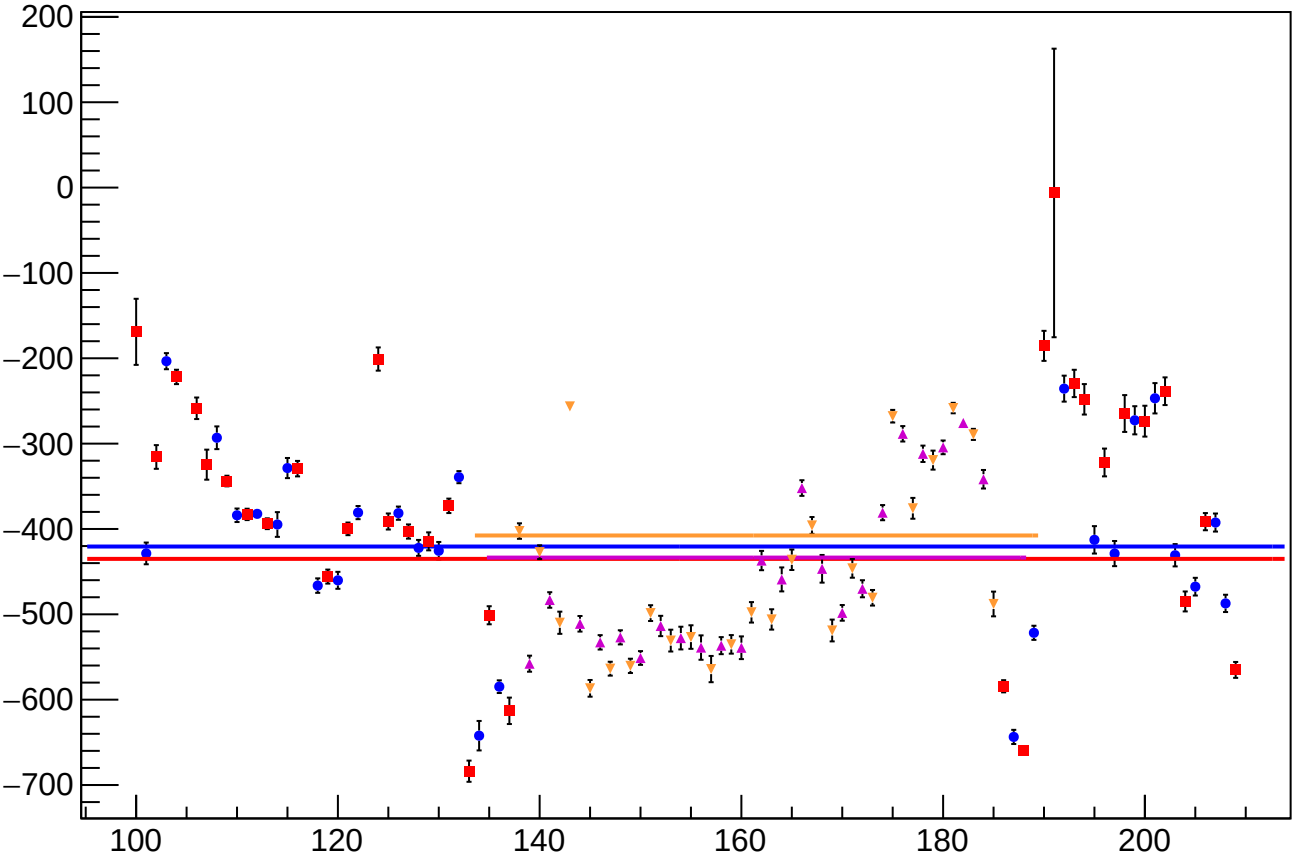
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 5.266+/-0.013 χ^2/NDF: 966785.7/51

All: 5.178+/-0.009 χ^2/NDF: 2061608.1/106

- sign 5.088+/-0.013 χ^2/NDF: 1094730.5/54

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -420.565+/-1.881 χ^2/NDF: 2899.2/26

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -435.042+/-1.703 χ^2/NDF: 6548.7/31

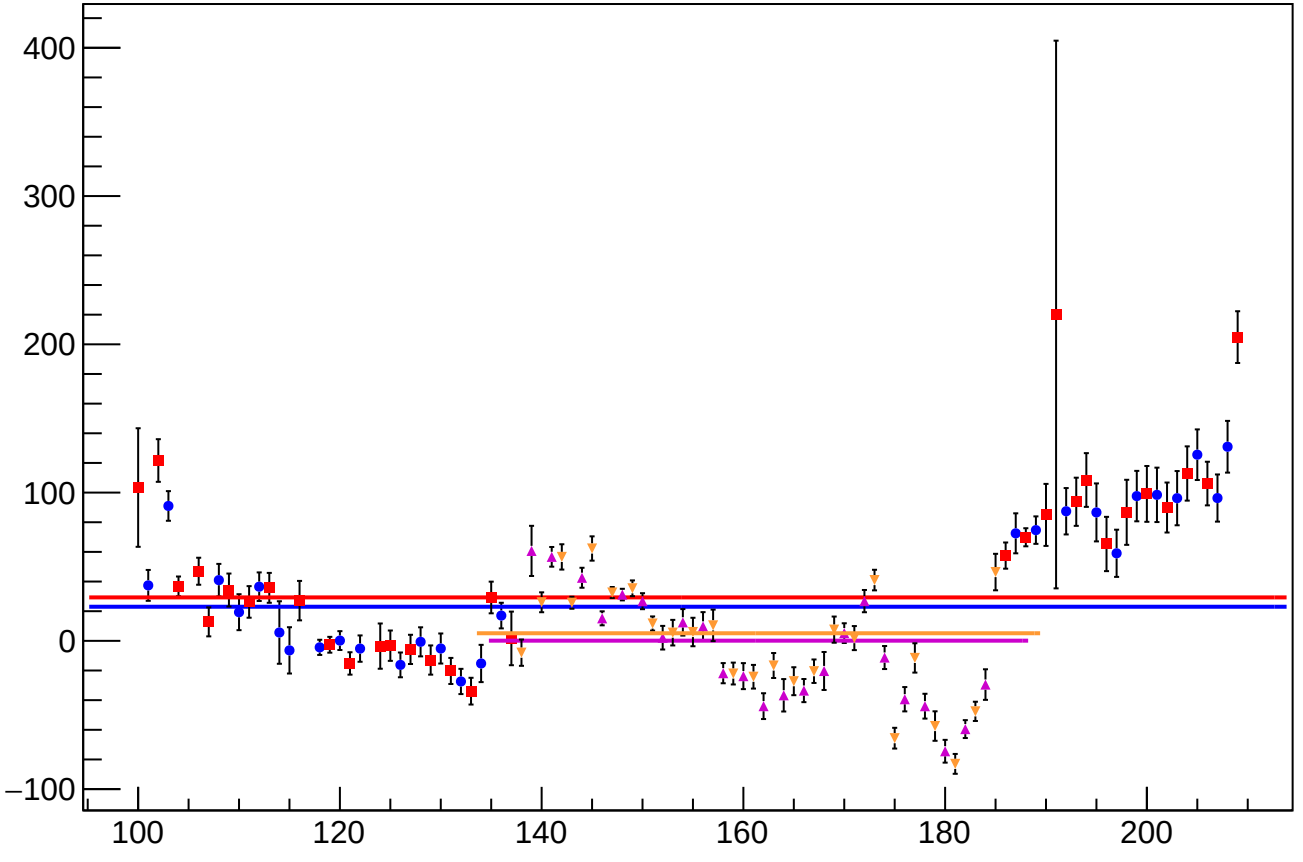
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -414.047+/-1.325 χ^2/NDF: 6928.7/51

All: -424.464+/-0.926 χ^2/NDF: 16323.0/106

- sign -434.404+/-1.295 χ^2/NDF: 9273.6/54

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 23.006+/-2.029 χ^2/NDF: 414.2/26

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 29.308+/-1.895 χ^2/NDF: 537.0/31

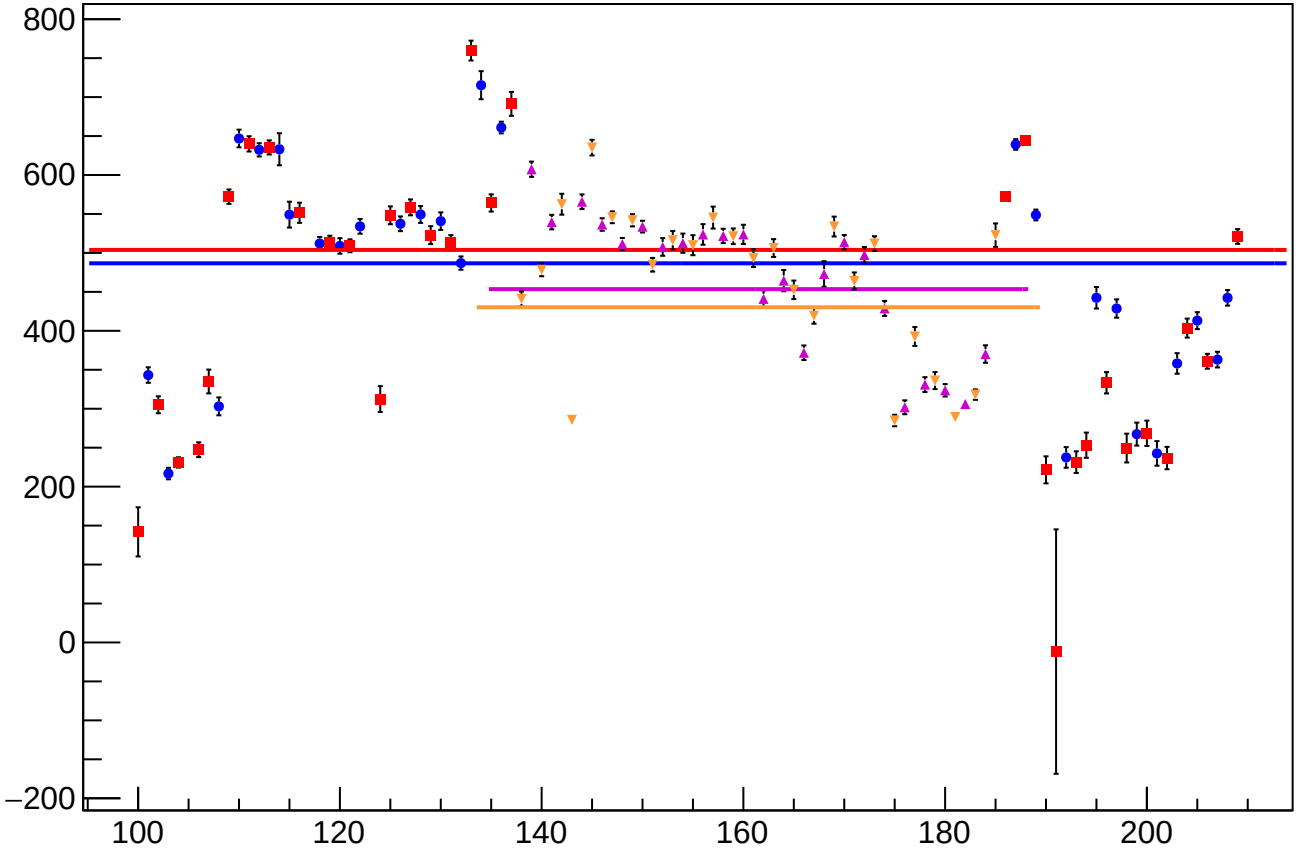
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 10.773+/-1.140 χ^2/NDF: 1156.5/51

All: 11.012+/-0.817 χ^2/NDF: 2408.7/106

\- sign 11.264+/-1.171 χ^2/NDF: 1252.2/54

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 486.645+/-1.946 χ^2/NDF: 4914.6/26

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.850+/-1.707 χ^2/NDF: 8070.3/31

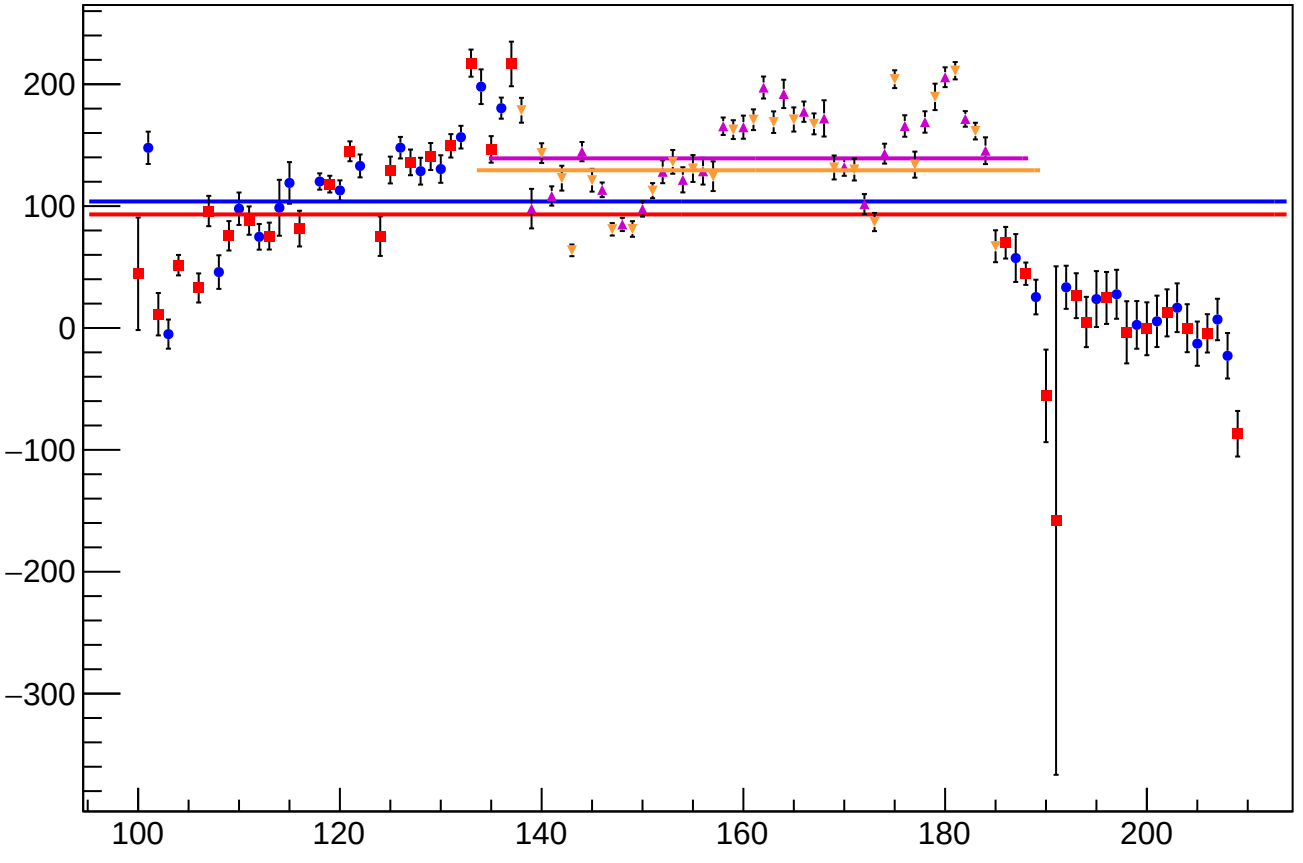
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 457.190+/-1.345 χ^2/NDF: 8758.6/51

All: 470.253+/-0.931 χ^2/NDF: 19802.1/106

- sign 482.297+/-1.291 χ^2/NDF: 10862.2/54

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 103.812+/-2.379 χ^2/NDF: 592.3/26

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 93.181+/-2.257 χ^2/NDF: 702.0/31

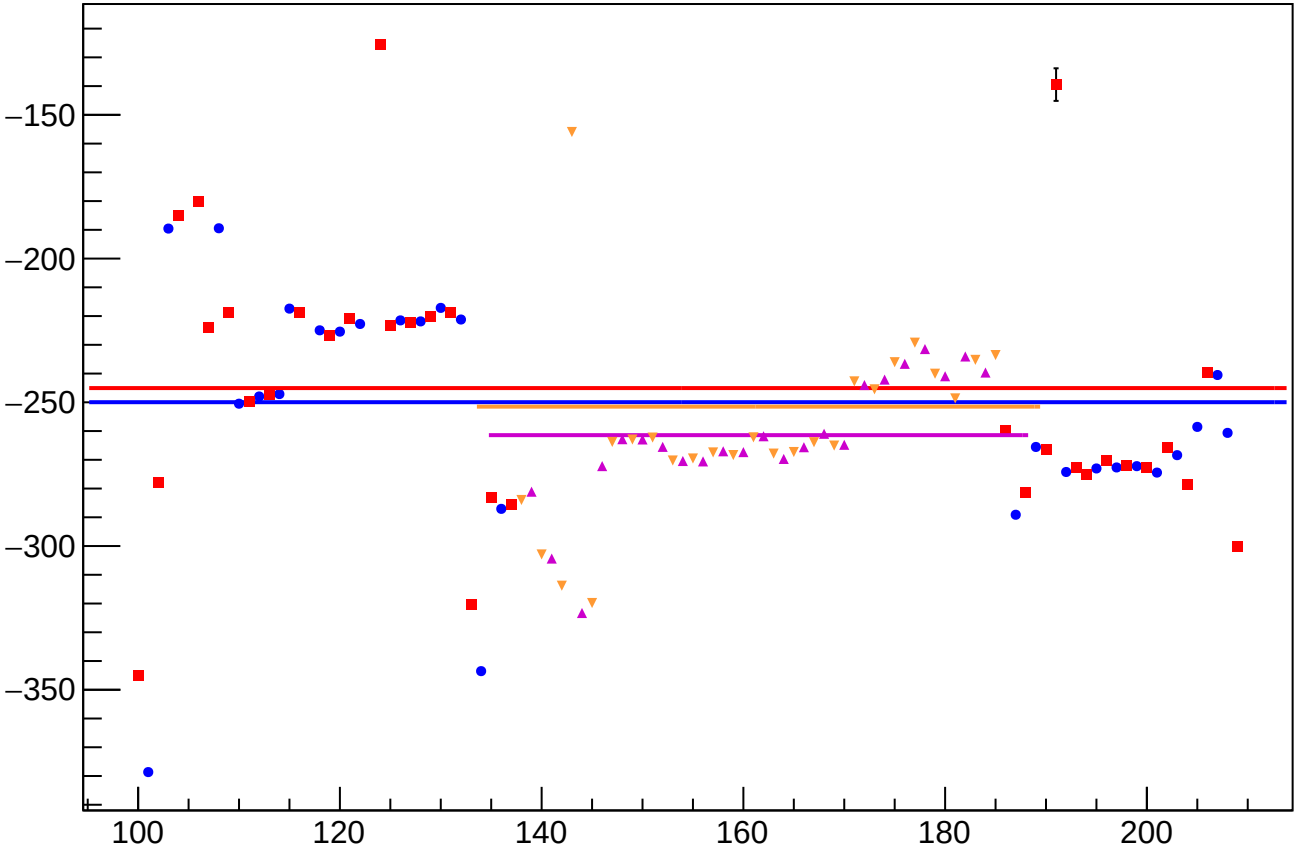
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 121.493+/-1.323 χ^2/NDF: 1486.6/51

All: 121.963+/-0.949 χ^2/NDF: 2887.3/106

- sign 122.459+/-1.360 χ^2/NDF: 1400.5/54

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -249.961+/-0.121 χ^2/NDF: 148446.9/26

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -245.051+/-0.116 χ^2/NDF: 116546.8/31

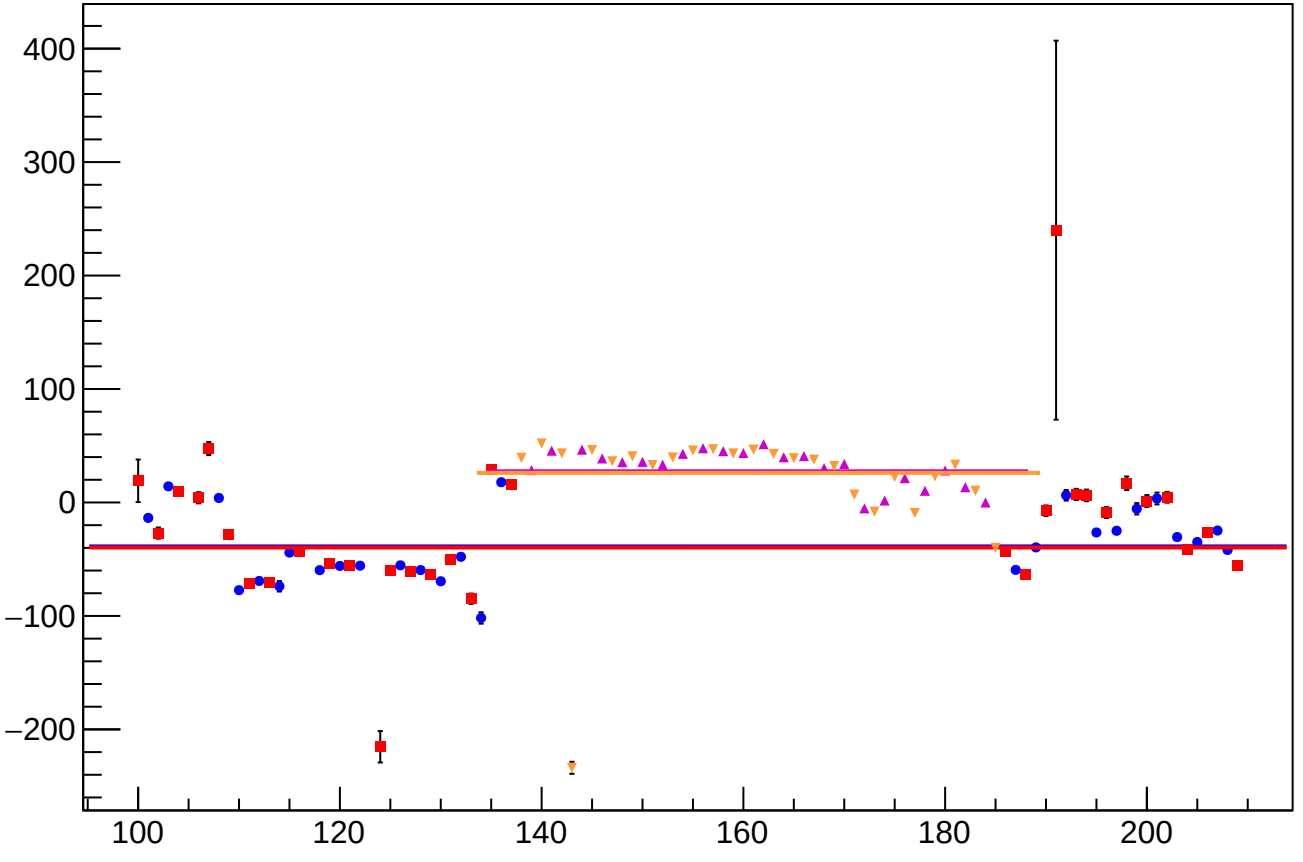
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.084+/-0.064 χ^2/NDF: 403489.3/51

All: -253.675+/-0.045 χ^2/NDF: 606645.7/106

- sign -256.365+/-0.065 χ^2/NDF: 199766.6/54

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -38.735+/-0.588 χ^2/NDF: 2742.4/26

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.683+/-0.523 χ^2/NDF: 3300.7/31

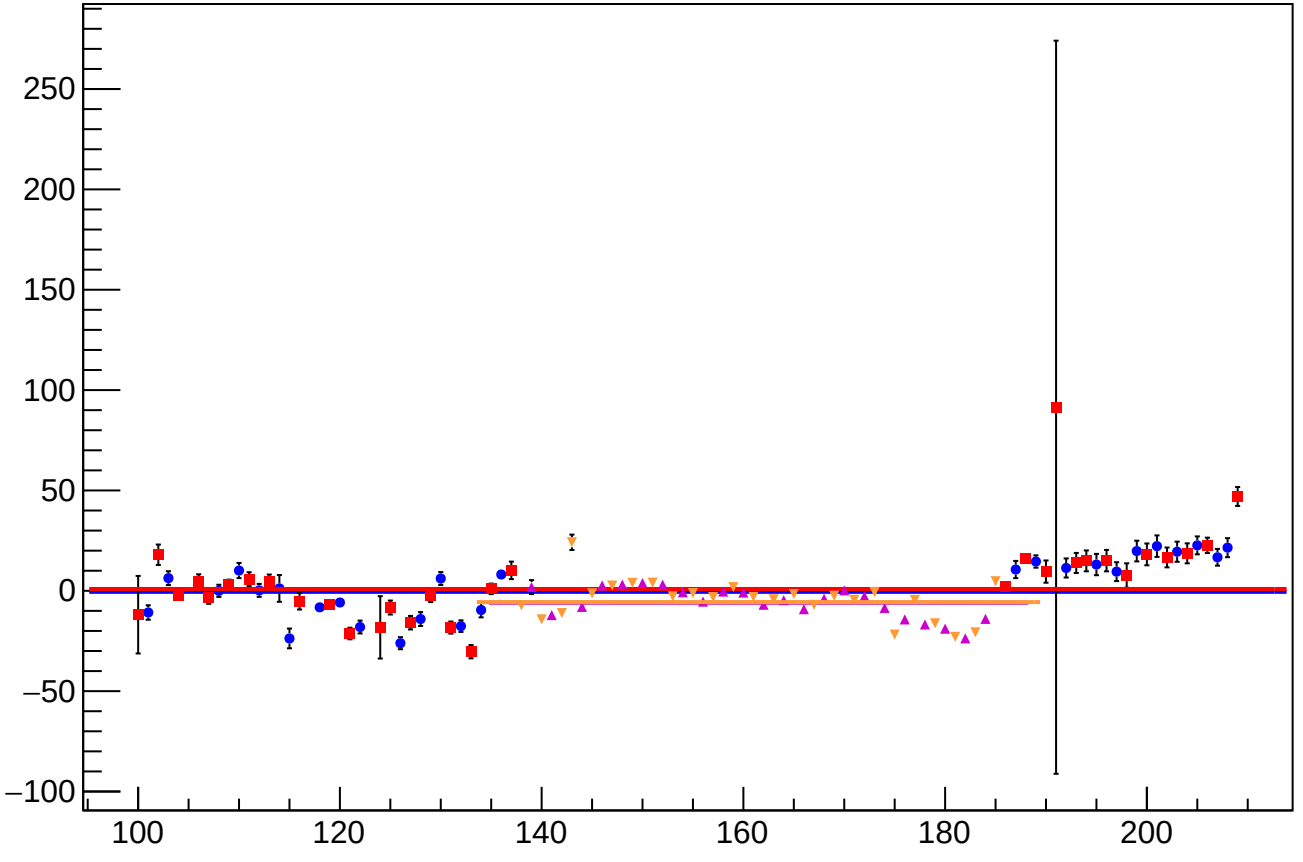
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 6.305+/-0.325 χ^2/NDF: 15971.5/51

All: 4.619+/-0.226 χ^2/NDF: 31409.9/106

- sign 3.026+/-0.316 χ^2/NDF: 15386.0/54

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.509+/-0.657 χ^2/NDF: 407.3/26

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 0.913+/-0.610 χ^2/NDF: 503.1/31

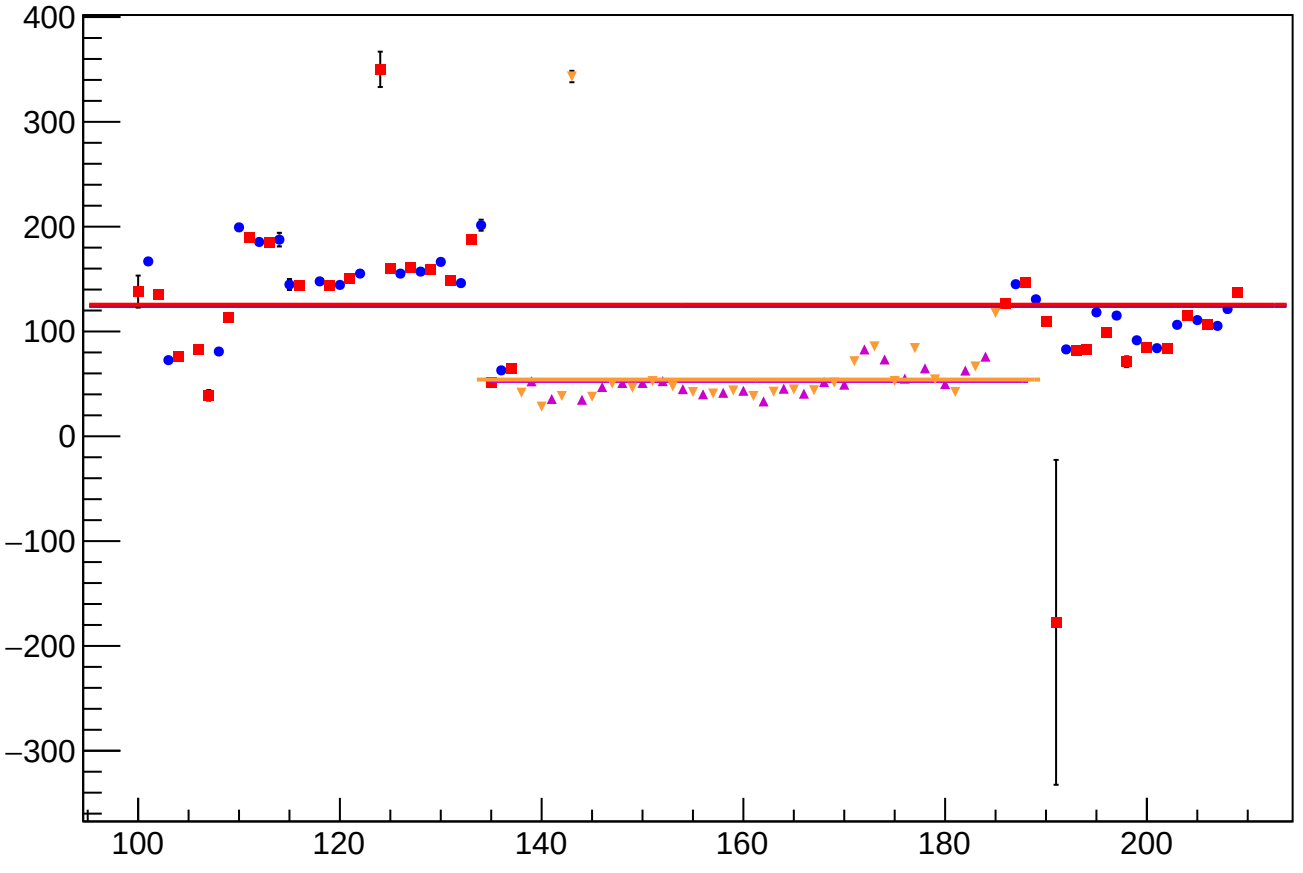
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -4.734+/-0.274 χ^2/NDF: 1350.6/51

All: -4.638+/-0.194 χ^2/NDF: 2666.6/106

- sign -4.541+/-0.276 χ^2/NDF: 1315.7/54

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 124.493+/-0.603 χ^2/NDF: 4113.4/26

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.541+/-0.526 χ^2/NDF: 4439.2/31

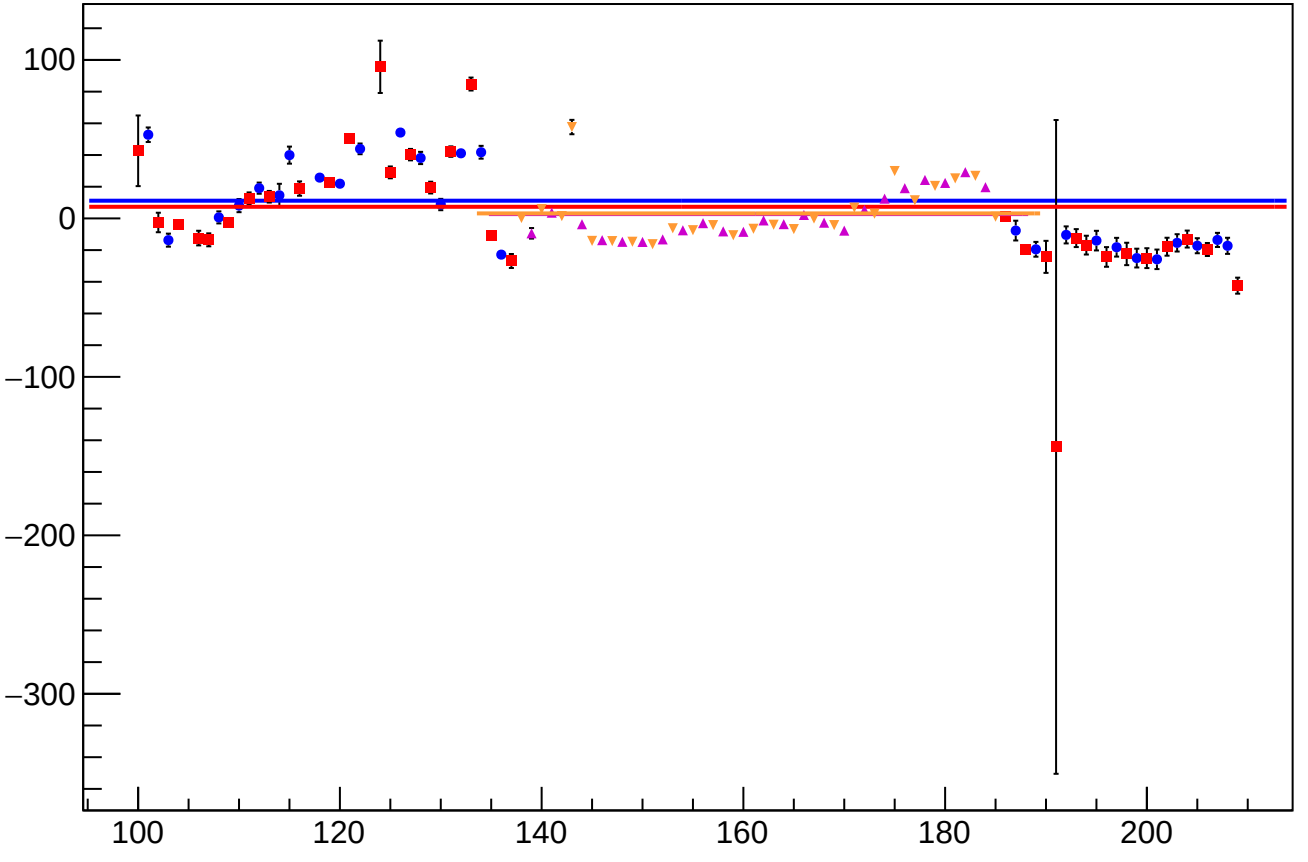
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 74.650+/-0.326 χ^2/NDF: 18336.2/51

All: 76.794+/-0.226 χ^2/NDF: 36106.0/106

- sign 78.792+/-0.315 χ^2/NDF: 17686.2/54

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 11.175+/-0.759 χ^2/NDF: 1246.1/26

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 7.334+/-0.723 χ^2/NDF: 1413.8/31

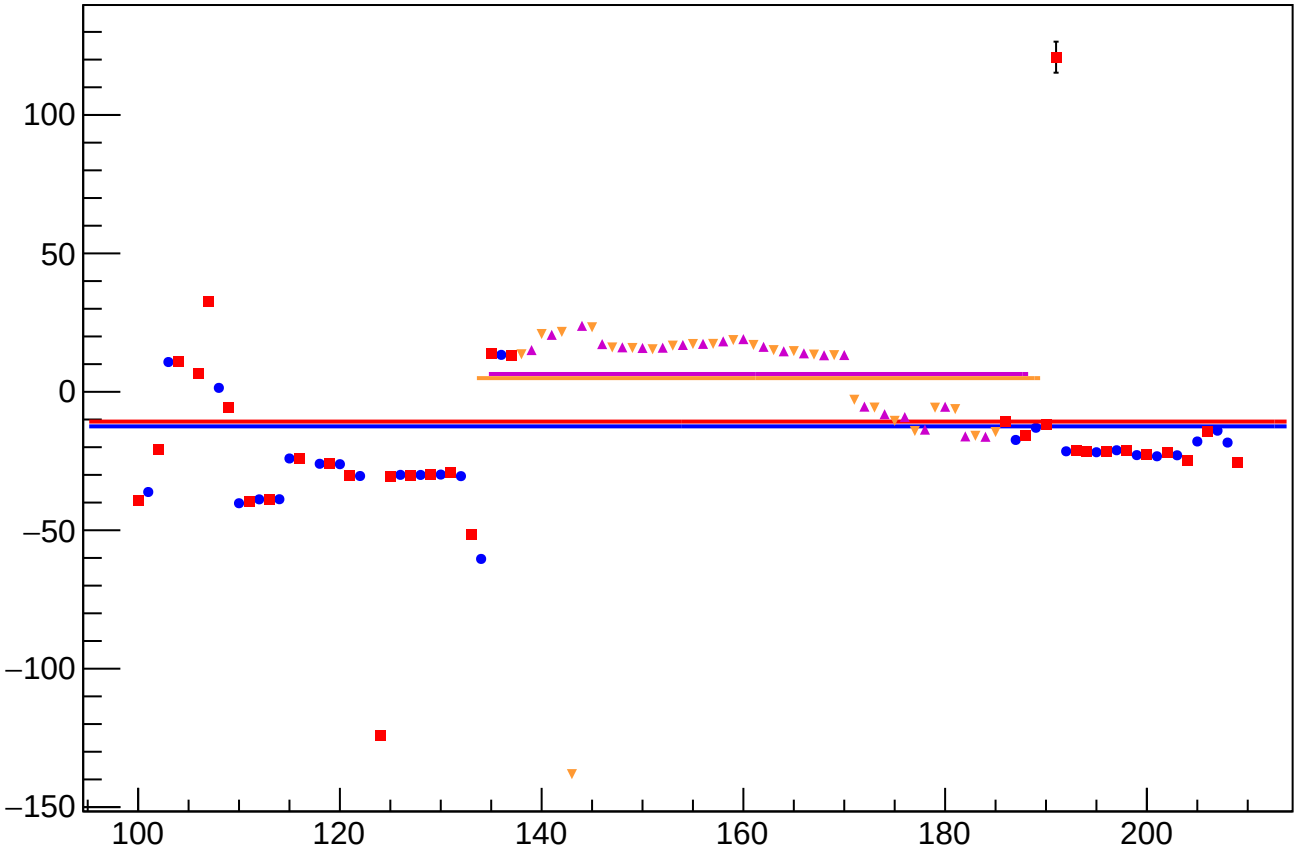
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.494+/-0.310 χ^2/NDF: 3351.4/51

All: 4.043+/-0.220 χ^2/NDF: 6537.7/106

- sign 3.585+/-0.313 χ^2/NDF: 3182.0/54

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.477+/-0.036 χ^2/NDF: 296281.9/26

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.744+/-0.036 χ^2/NDF: 277934.4/31

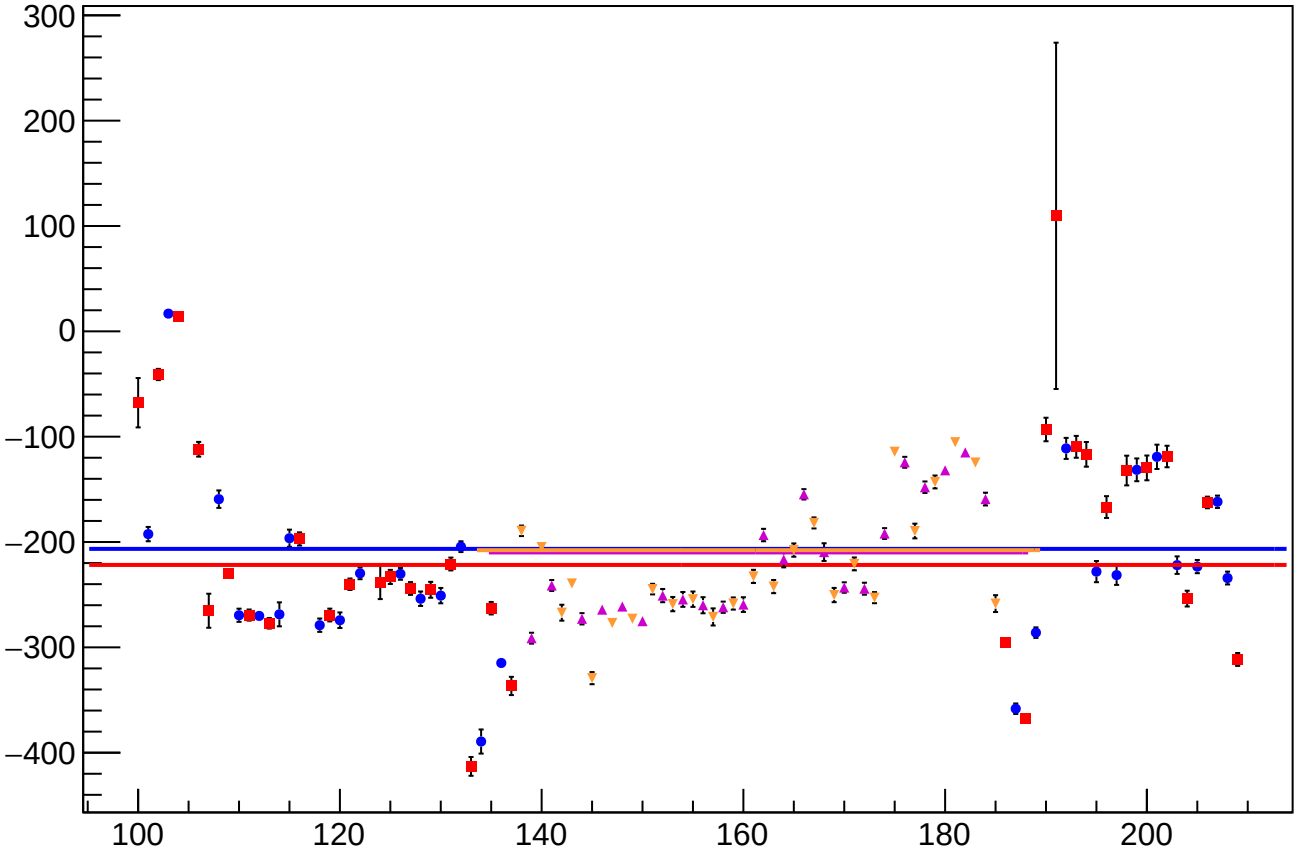
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.316+/-0.014 χ^2/NDF: 1630630.7/51

All: 3.032+/-0.010 χ^2/NDF: 2839947.5/106

- sign 3.756+/-0.014 χ^2/NDF: 1204071.5/54

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -206.514+/-1.178 χ^2/NDF: 8814.3/26

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.763+/-1.072 χ^2/NDF: 12519.6/31

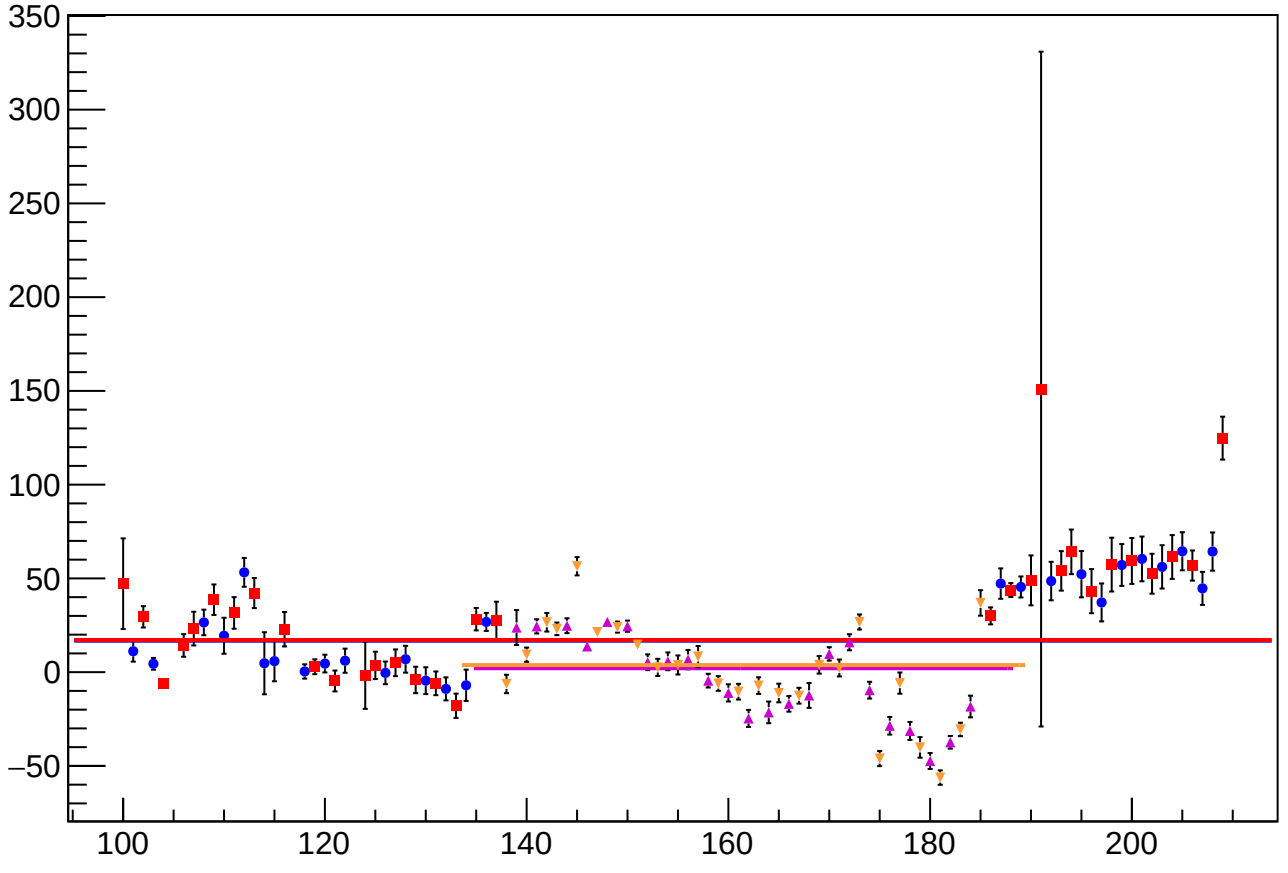
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.188+/-0.792 χ^2/NDF: 12302.1/51

All: -211.716+/-0.551 χ^2/NDF: 27956.8/106

- sign -215.976+/-0.768 χ^2/NDF: 15591.3/54

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.783+/-1.279 χ^2/NDF: 273.5/26

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 17.165+/-1.158 χ^2/NDF: 468.7/31

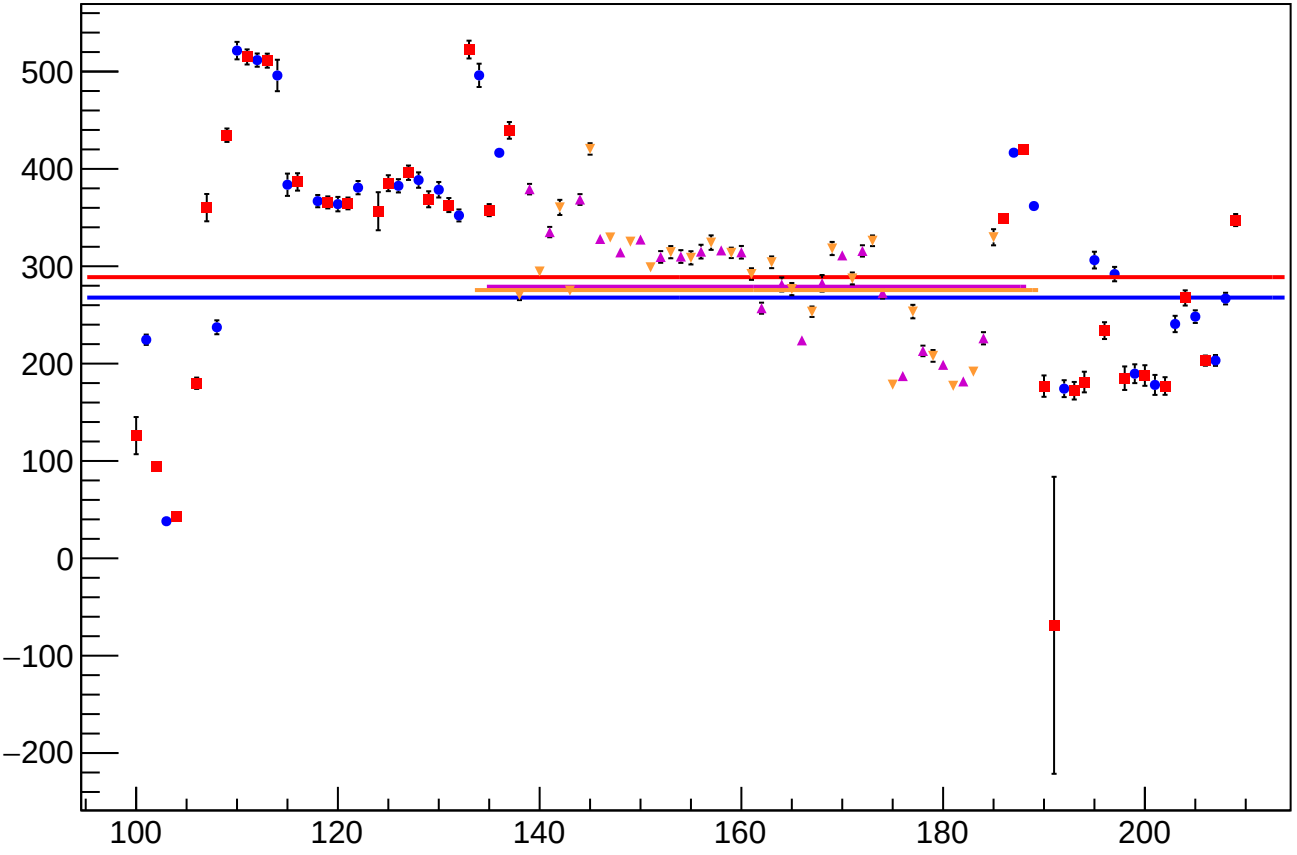
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 7.345+/-0.670 χ^2/NDF: 1320.7/51

All: 7.232+/-0.474 χ^2/NDF: 2672.7/106

\- sign 7.120+/-0.669 χ^2/NDF: 1352.0/54

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 267.816+/-1.136 χ^2/NDF: 17747.6/26

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 288.807+/-1.006 χ^2/NDF: 22250.8/31

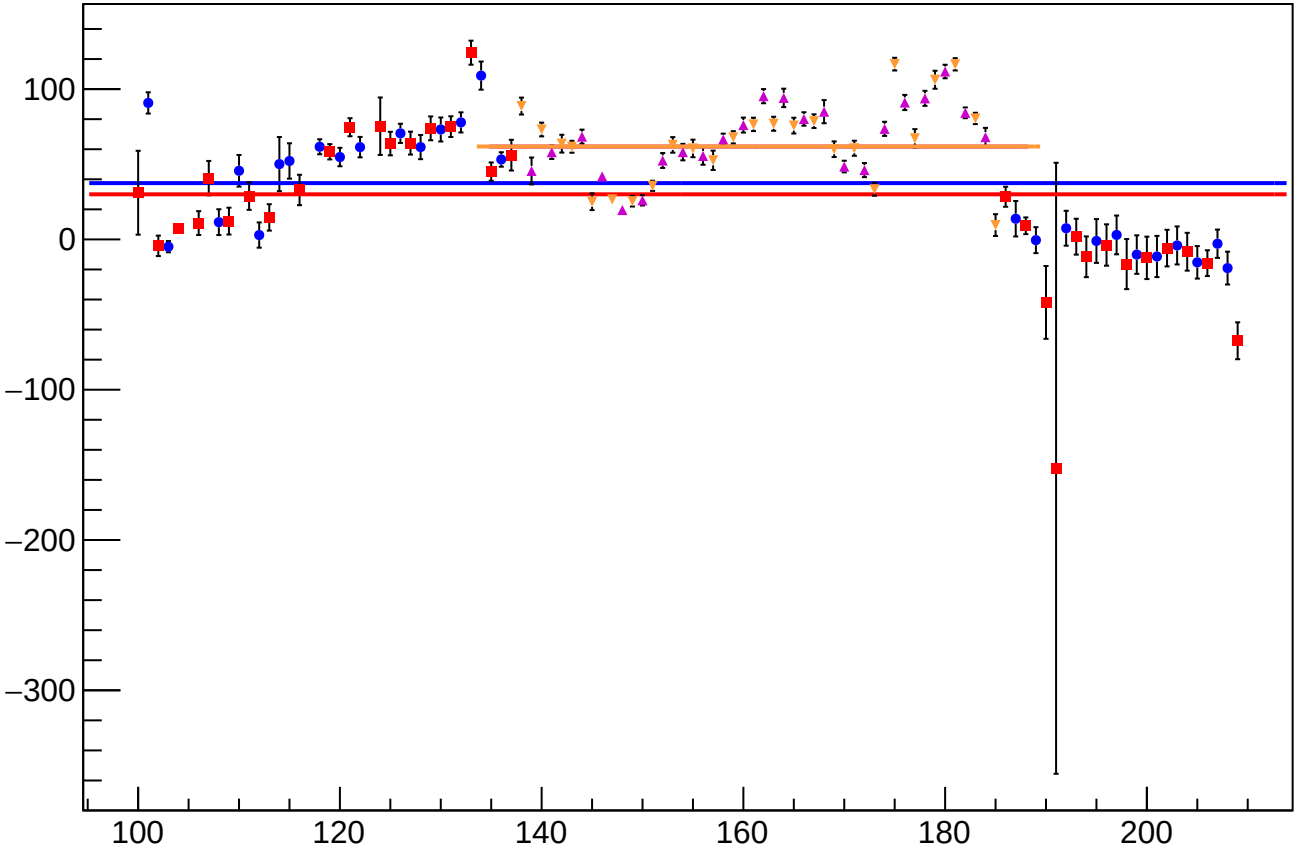
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 271.934+/-0.776 χ^2/NDF: 21095.4/51

All: 278.408+/-0.535 χ^2/NDF: 46637.6/106

- sign 284.284+/-0.739 χ^2/NDF: 25409.3/54

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 37.462+/-1.501 χ^2/NDF: 569.3/26

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 30.005+/-1.402 χ^2/NDF: 620.0/31

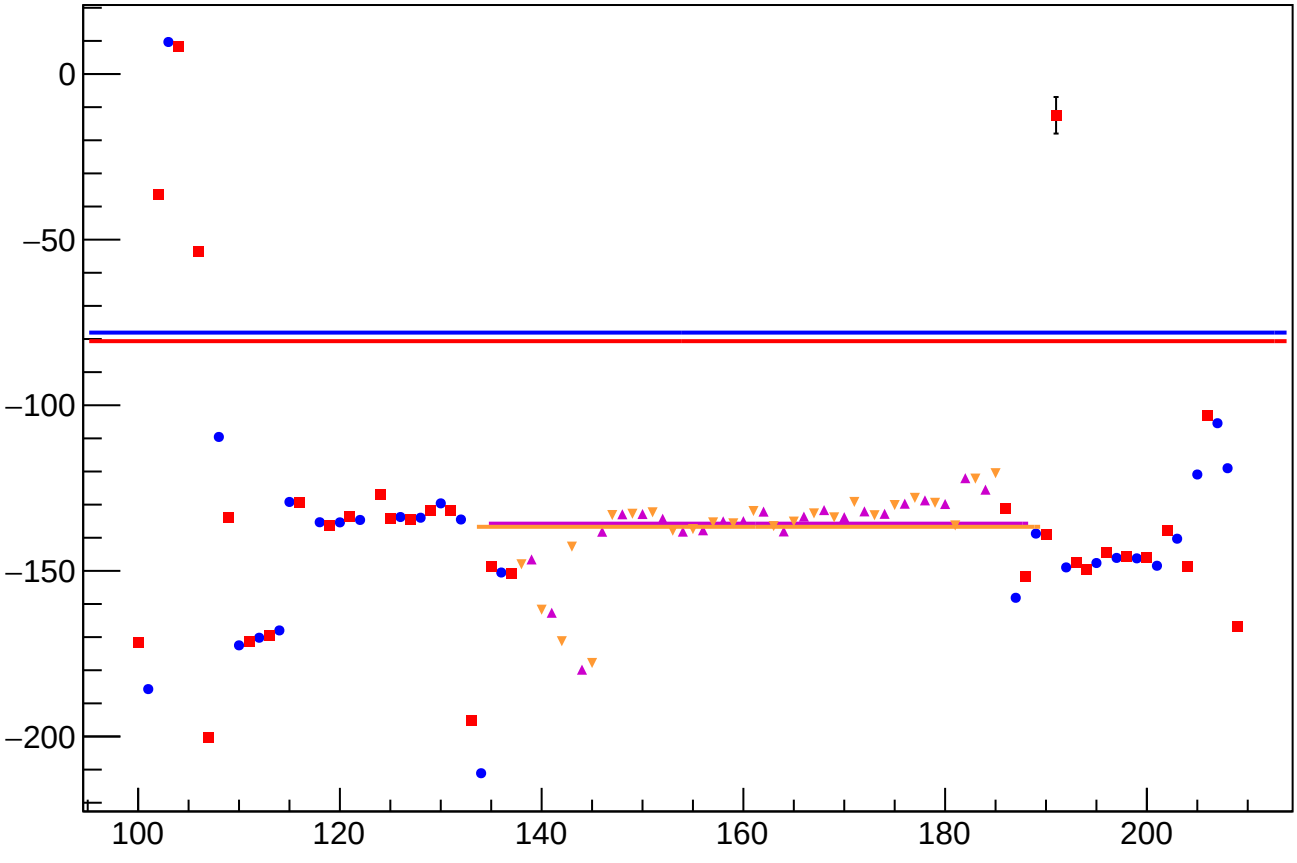
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 55.295+/-0.777 χ^2/NDF: 1721.6/51

All: 53.621+/-0.550 χ^2/NDF: 3441.4/106

- sign 51.932+/-0.780 χ^2/NDF: 1710.4/54

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -78.061+/-0.063 χ^2/NDF: 1524594.8/26

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -80.647+/-0.063 χ^2/NDF: 1238588.4/31

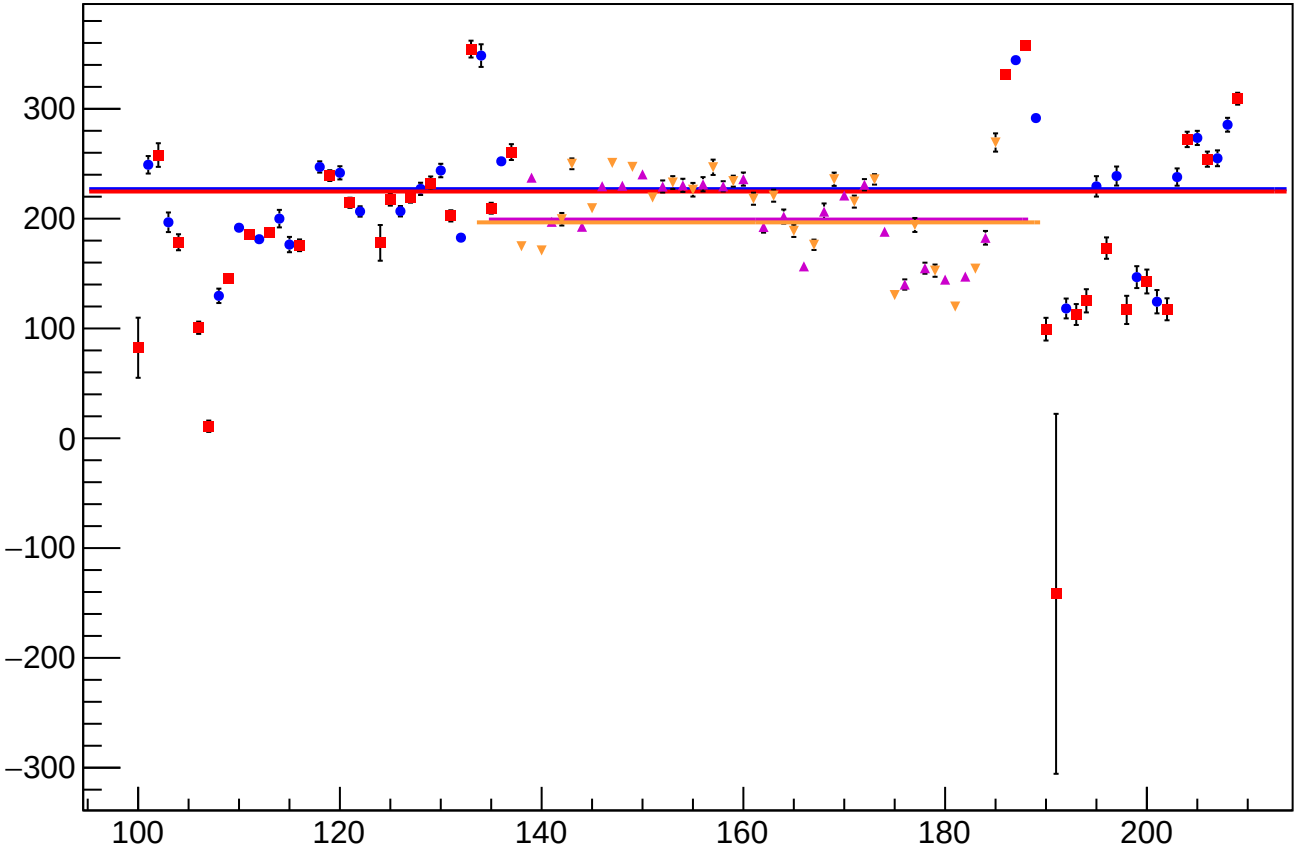
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.535+/-0.035 χ^2/NDF: 2200184.2/51

All: -118.451+/-0.025 χ^2/NDF: 4025132.3/10

- sign -118.365+/-0.035 χ^2/NDF: 1824936.5/54

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 226.867+/-1.096 χ^2/NDF: 2269.9/26

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 224.709+/-0.962 χ^2/NDF: 8416.1/31

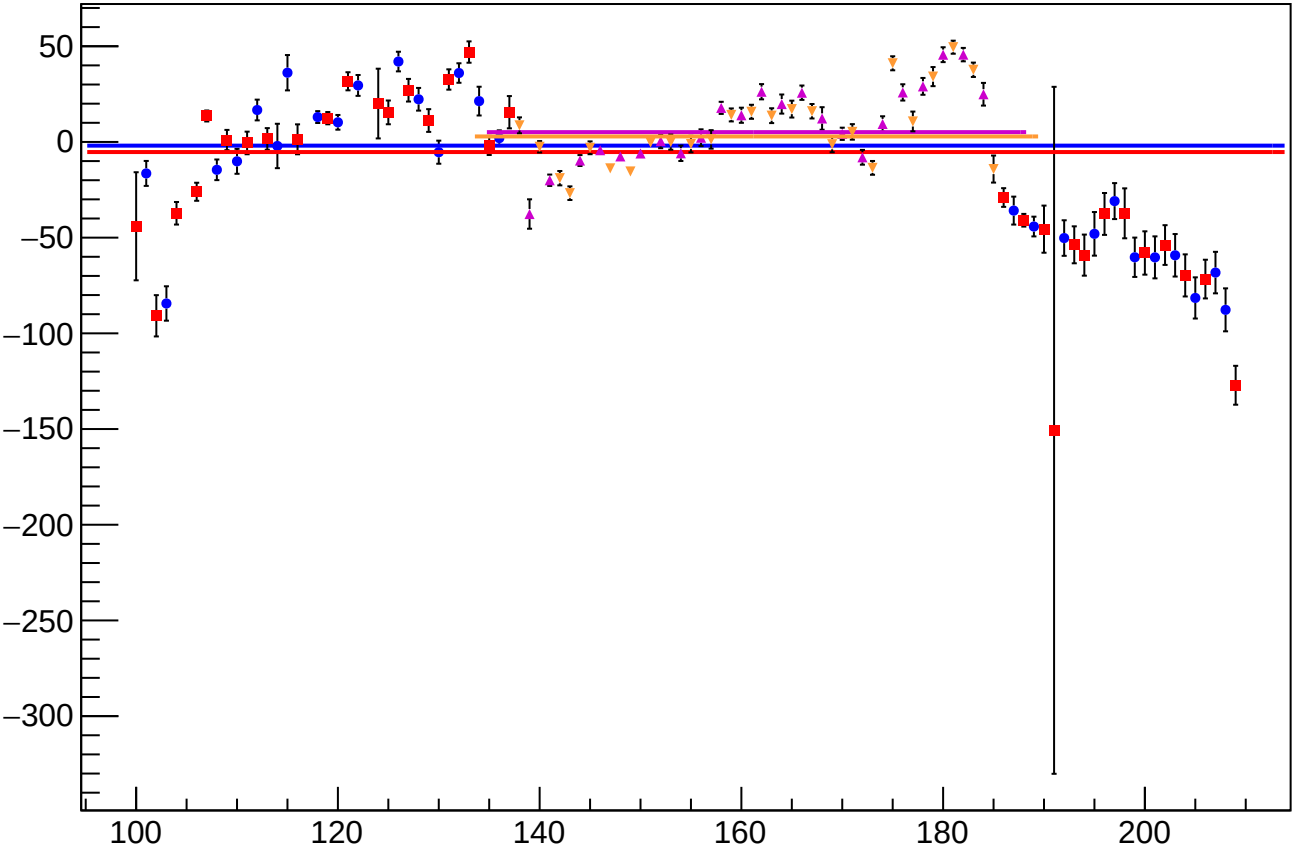
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 209.540+/-0.716 χ^2/NDF: 4782.0/51

All: 210.863+/-0.495 χ^2/NDF: 14848.0/106

\- sign 212.070+/-0.684 χ^2/NDF: 10059.5/54

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.929+/-1.194 χ^2/NDF: 727.1/26

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -5.279+/-1.063 χ^2/NDF: 928.9/31

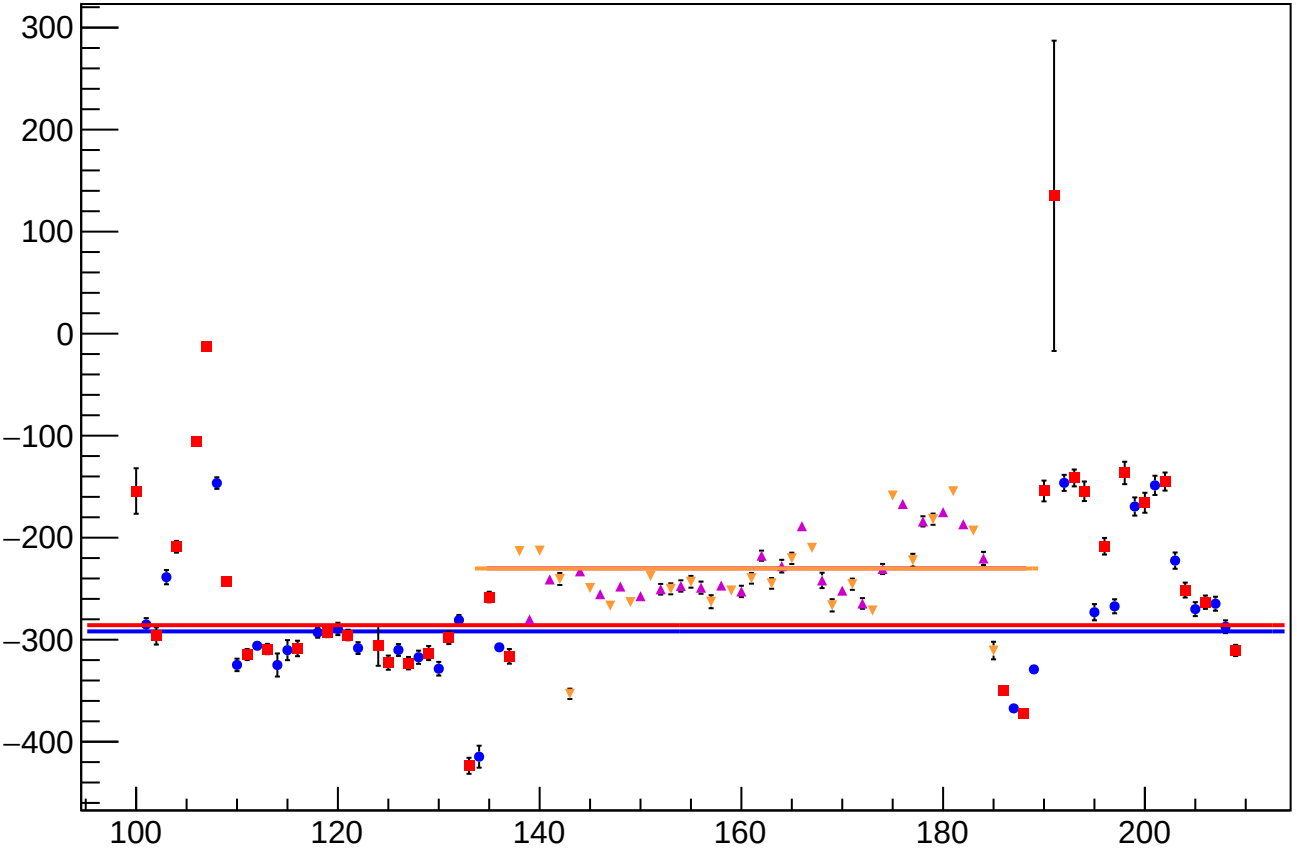
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 1.661+/-0.599 χ^2/NDF: 1492.0/51

All: 1.765+/-0.422 χ^2/NDF: 3115.3/106

- sign 1.867+/-0.595 χ^2/NDF: 1623.3/54

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -291.864+/-1.142 χ^2/NDF: 2379.2/26

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -285.782+/-0.970 χ^2/NDF: 9939.1/31

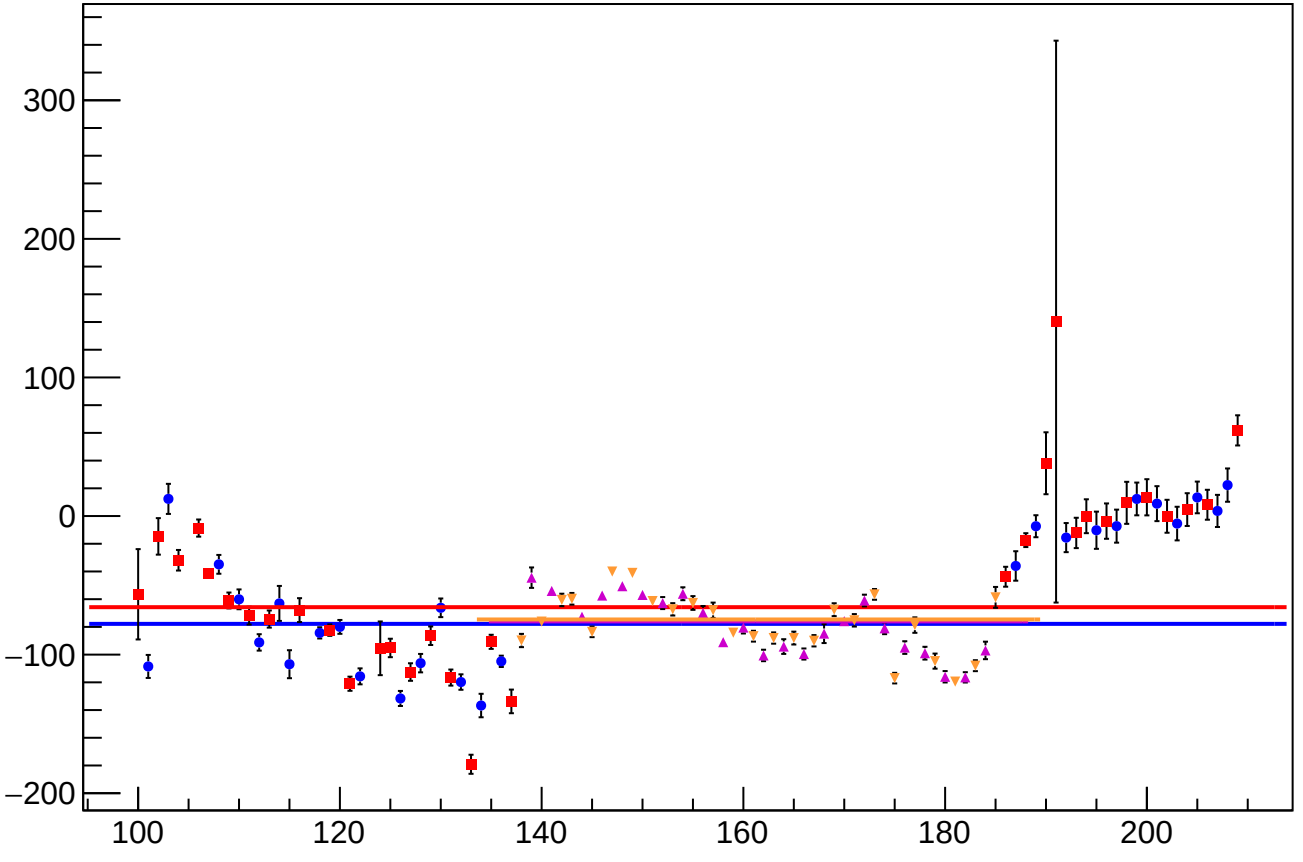
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -255.068+/-0.725 χ^2/NDF: 6302.1/51

All: -256.435+/-0.497 χ^2/NDF: 19007.6/106

- sign -257.646+/-0.683 χ^2/NDF: 12698.8/54

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.810+/-1.396 χ^2/NDF: 971.3/26

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -65.767+/-1.273 χ^2/NDF: 1337.4/31

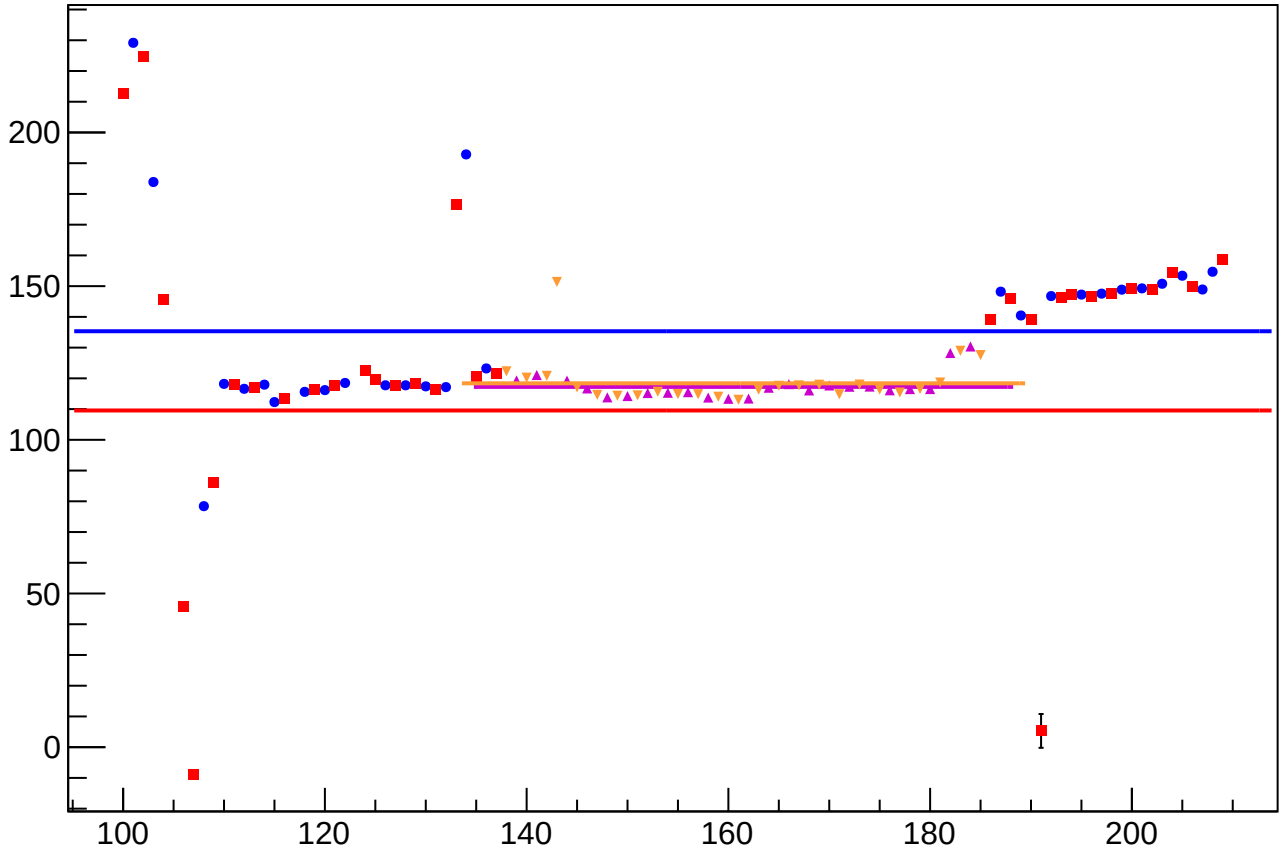
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -75.428+/-0.695 χ^2/NDF: 1806.2/51

All: -74.207+/-0.490 χ^2/NDF: 3841.5/106

- sign -72.995+/-0.692 χ^2/NDF: 2029.2/54

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.329+/-0.072 χ^2/NDF: 200501.0/26

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 109.548+/-0.065 χ^2/NDF: 770550.2/31

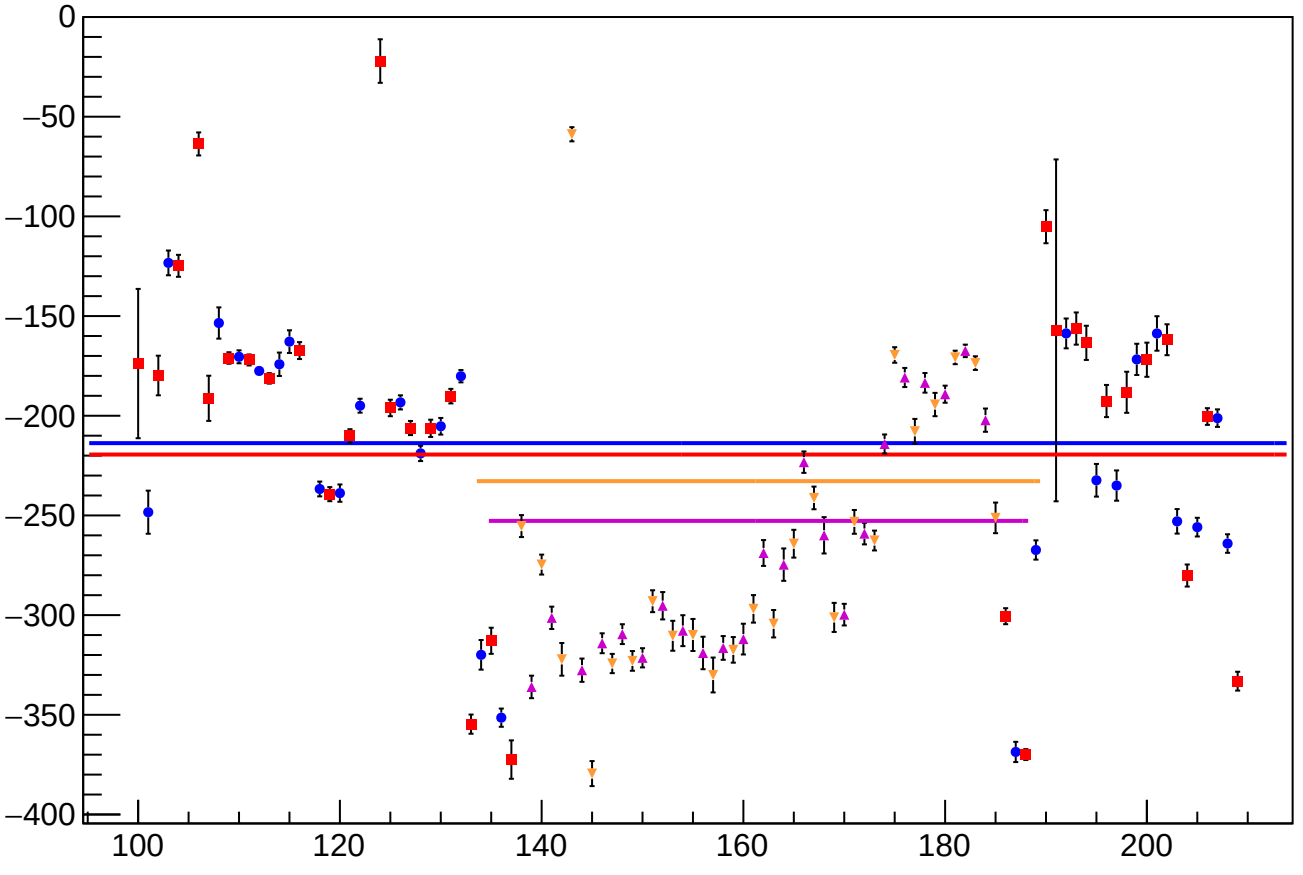
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.928+/-0.033 χ^2/NDF: 278695.2/51

All: 118.557+/-0.023 χ^2/NDF: 1090231.4/106

- sign 115.304+/-0.033 χ^2/NDF: 791209.0/54

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -213.736+/-0.882 χ^2/NDF: 3607.3/26

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -219.457+/-0.821 χ^2/NDF: 8274.8/31

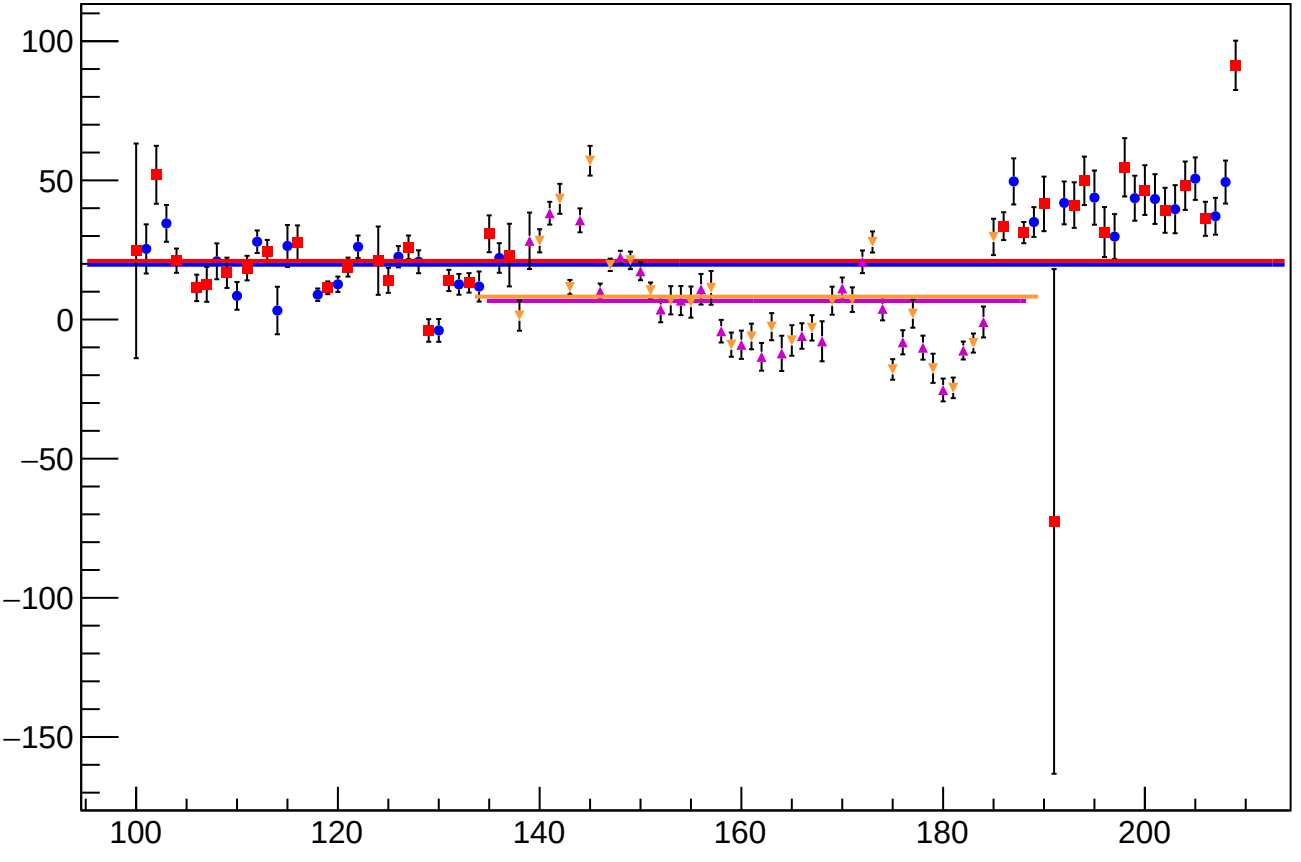
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -221.435+/-0.681 χ^2/NDF: 9559.8/51

All: -226.311+/-0.476 χ^2/NDF: 21415.6/106

- sign -230.949+/-0.664 χ^2/NDF: 11755.9/54

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.692+/-0.953 χ^2/NDF: 187.5/26

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.053+/-0.921 χ^2/NDF: 227.3/31

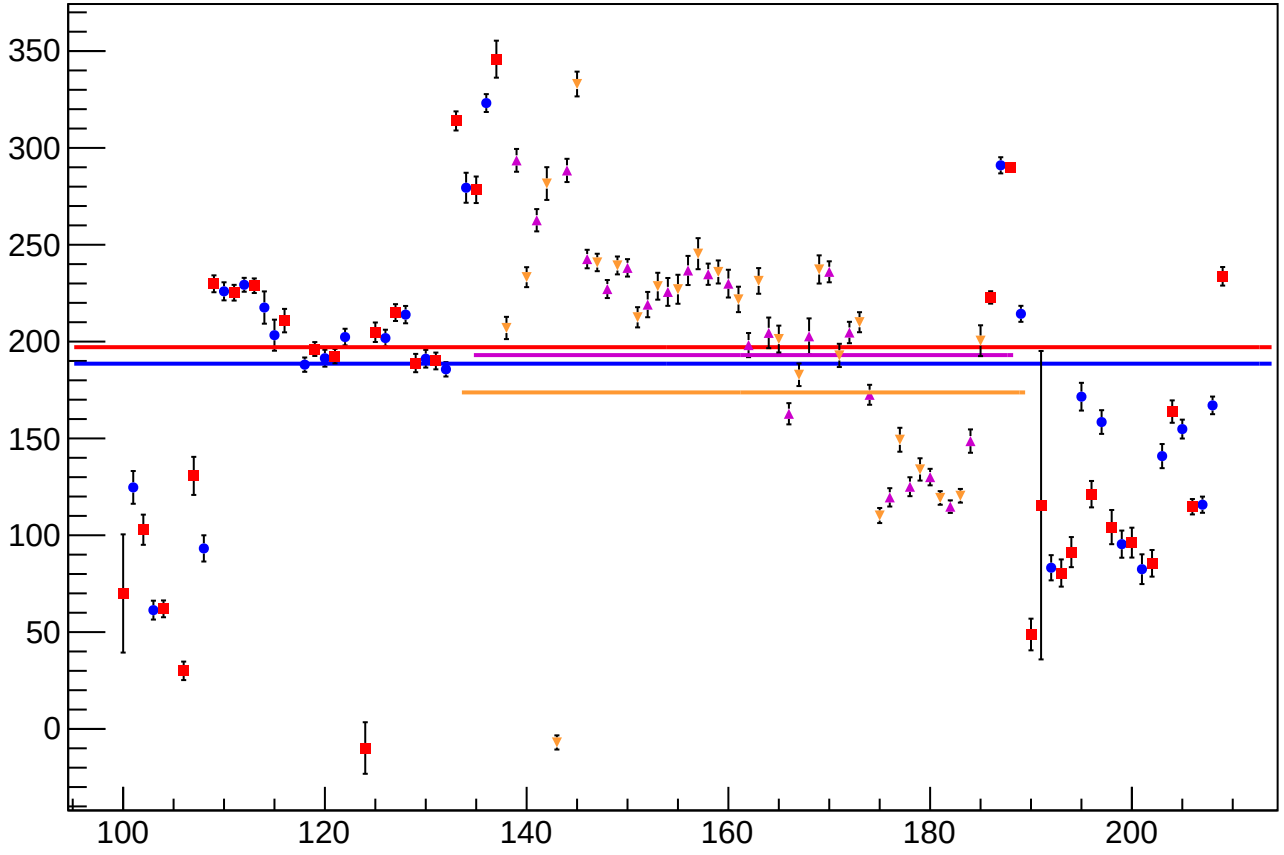
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 12.985+/-0.614 χ^2/NDF: 730.2/51

All: 13.164+/-0.439 χ^2/NDF: 1443.2/106

- sign 13.352+/-0.628 χ^2/NDF: 712.9/54

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 188.594+/-0.955 χ^2/NDF: 3921.4/26

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.113+/-0.871 χ^2/NDF: 7609.3/31

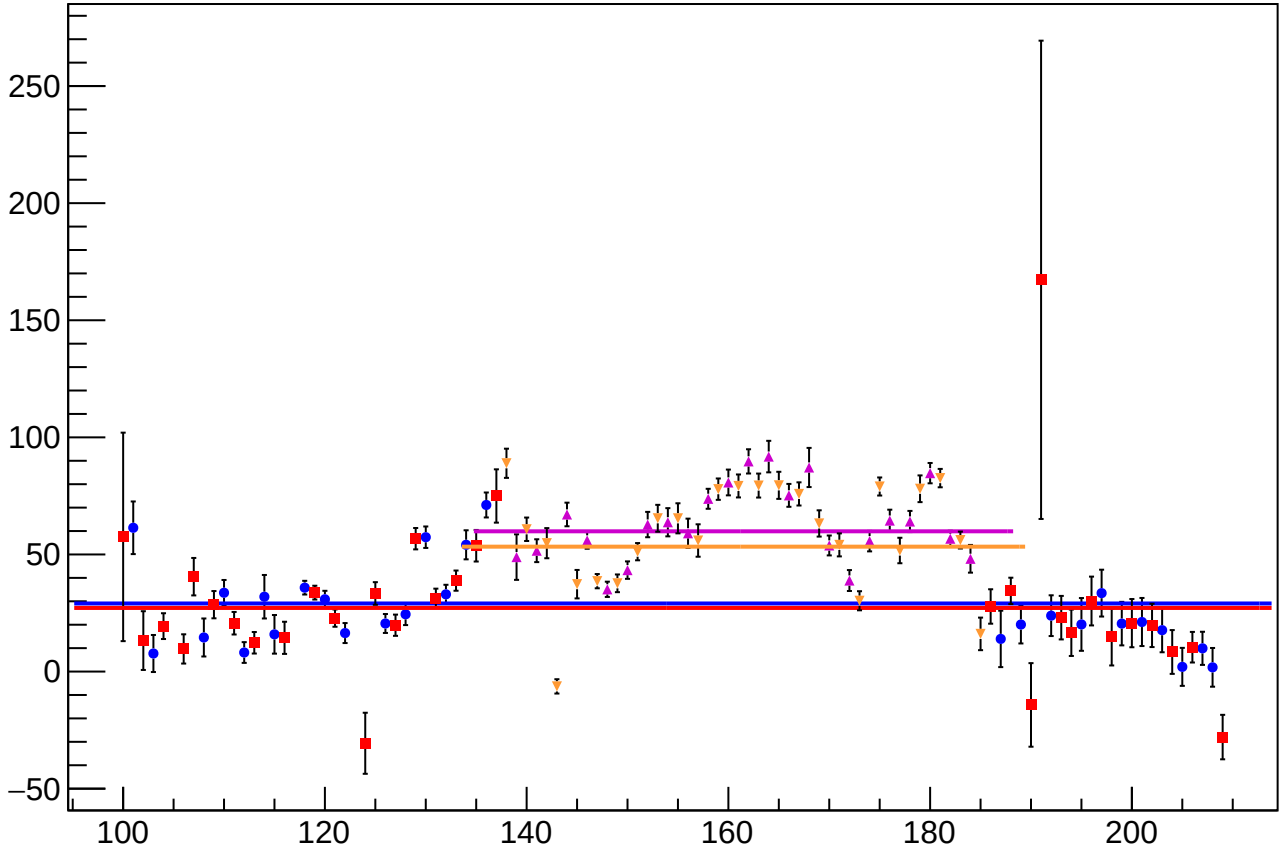
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 182.002+/-0.712 χ^2/NDF: 9289.3/51

All: 189.026+/-0.495 χ^2/NDF: 19606.9/106

- sign 195.577+/-0.688 χ^2/NDF: 10129.6/54

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 29.070+/-1.110 χ^2/NDF: 218.2/26

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 27.162+/-1.080 χ^2/NDF: 200.7/31

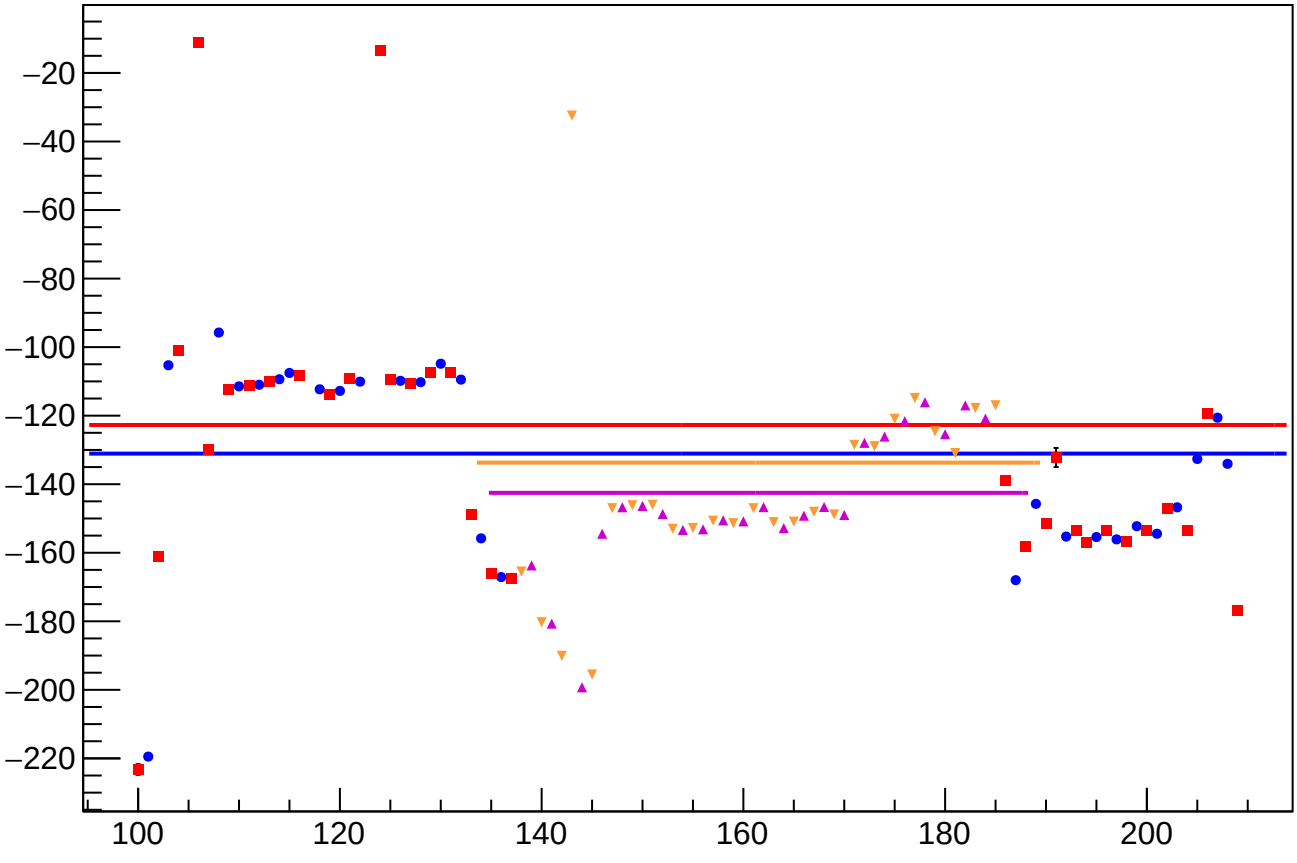
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 43.434+/-0.709 χ^2/NDF: 1279.8/51

All: 44.283+/-0.507 χ^2/NDF: 2239.3/106

- sign 45.170+/-0.725 χ^2/NDF: 956.6/54

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.070+/-0.061 χ^2/NDF: 174632.8/26

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -122.722+/-0.058 χ^2/NDF: 510634.1/31

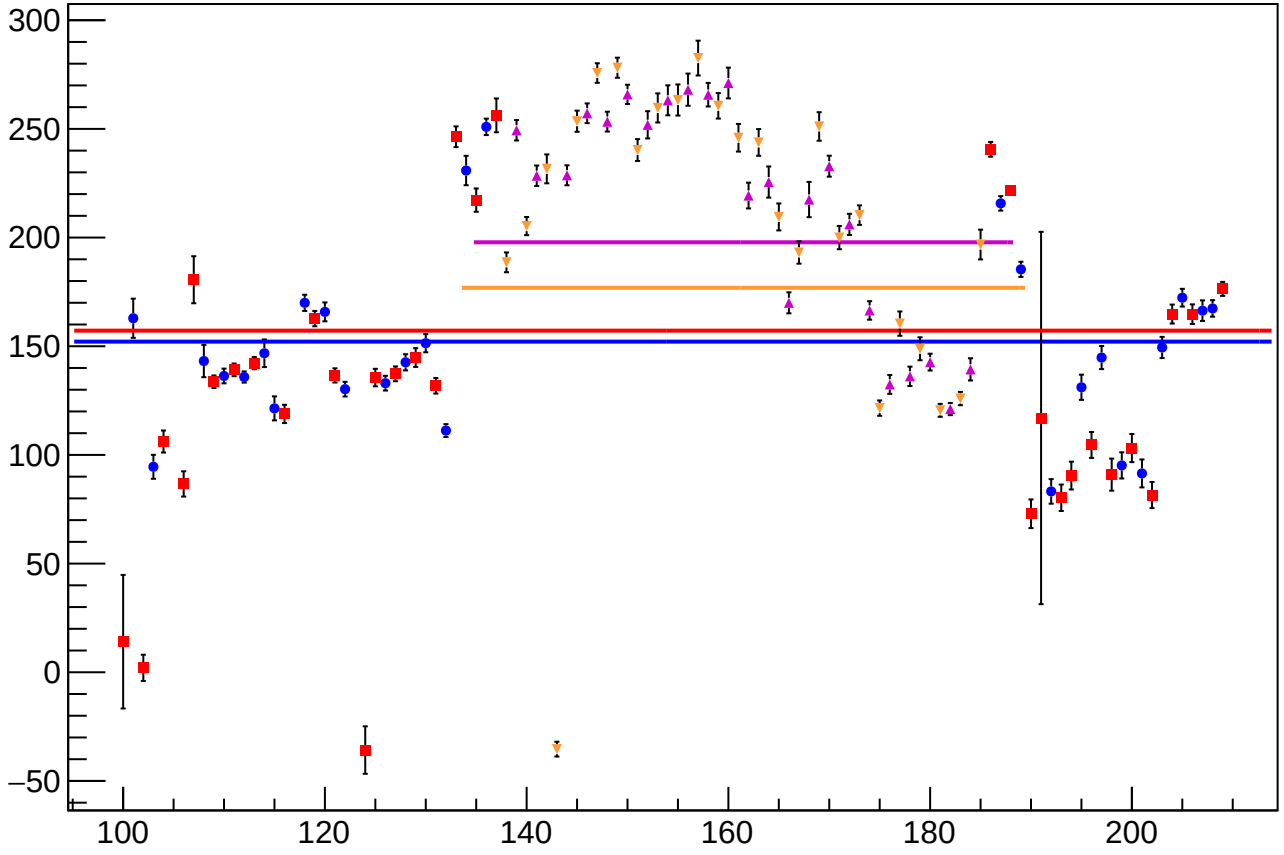
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -132.843+/-0.035 χ^2/NDF: 851804.2/51

All: -134.043+/-0.025 χ^2/NDF: 1616109.9/10

- sign -135.260+/-0.035 χ^2/NDF: 761952.5/54

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.126+/-0.808 χ^2/NDF: 2176.5/26

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.175+/-0.734 χ^2/NDF: 5040.1/31

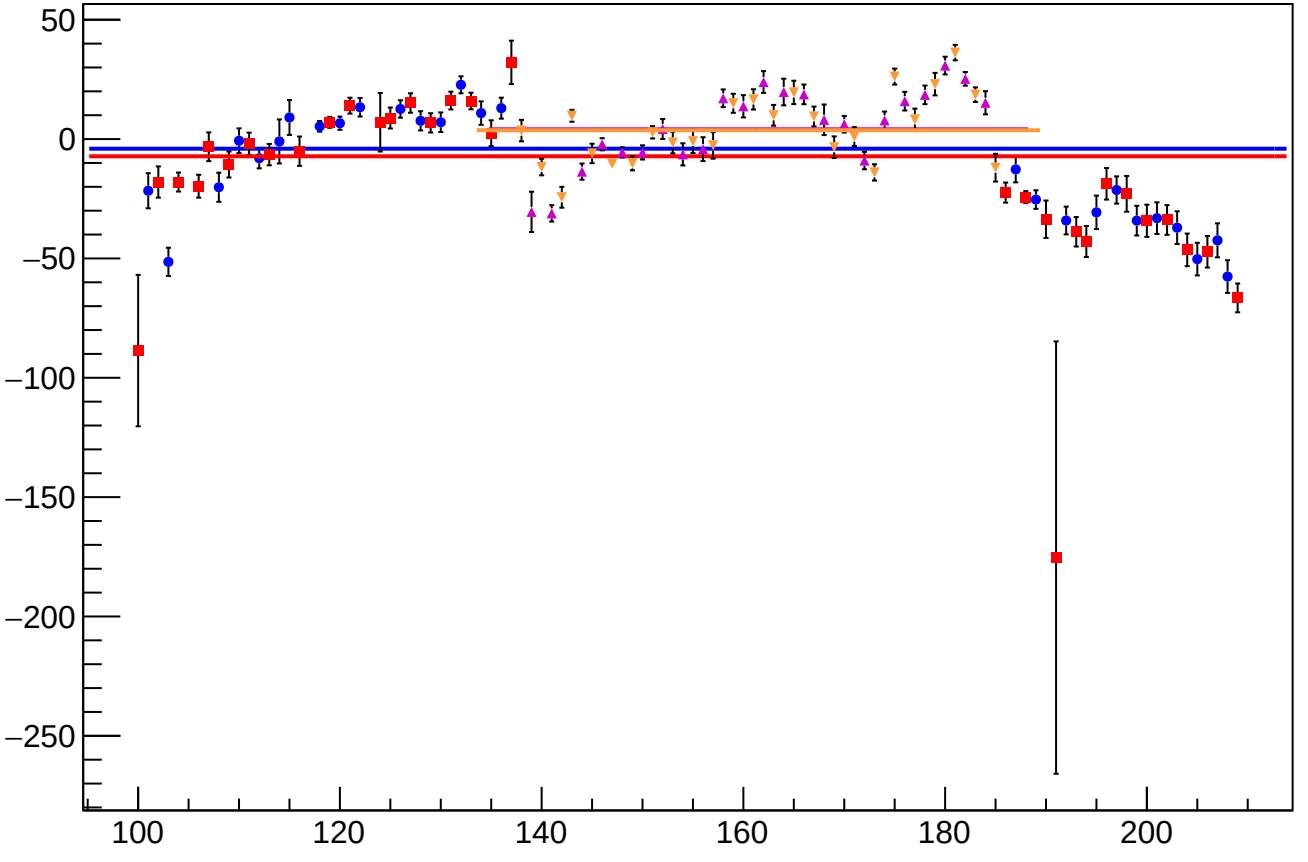
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 162.428+/-0.618 χ^2/NDF: 9991.6/51

All: 167.040+/-0.428 χ^2/NDF: 19172.6/106

- sign 171.289+/-0.593 χ^2/NDF: 9073.9/54

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.029+/-0.886 χ^2/NDF: 535.8/26

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -7.212+/-0.839 χ^2/NDF: 606.2/31

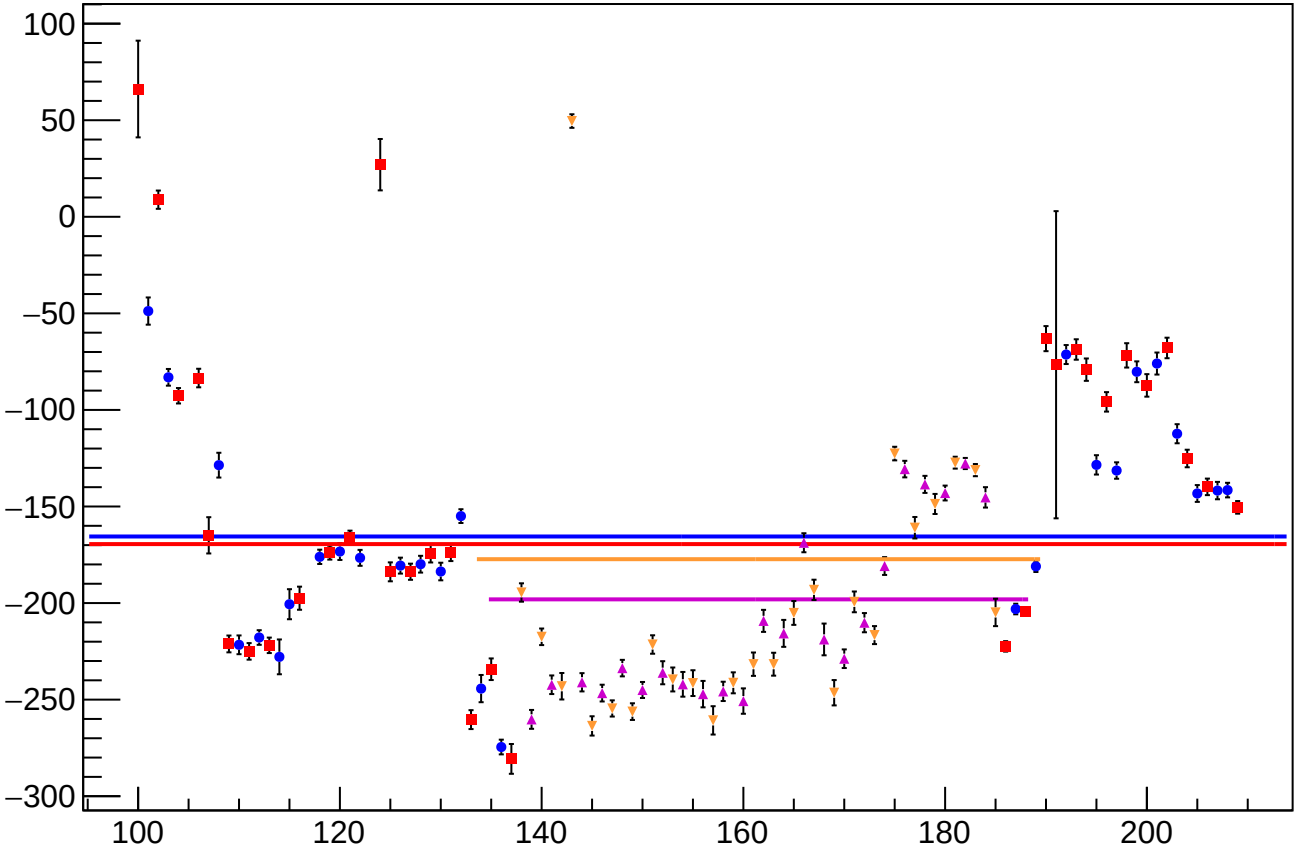
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

\+ sign 0.615+/-0.560 χ^2/NDF: 982.4/51

All: -0.212+/-0.399 χ^2/NDF: 2090.8/106

\- sign -1.059+/-0.567 χ^2/NDF: 1104.0/54

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -165.530+/-0.840 χ^2/NDF: 3482.8/26

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -169.469+/-0.735 χ^2/NDF: 6683.8/31

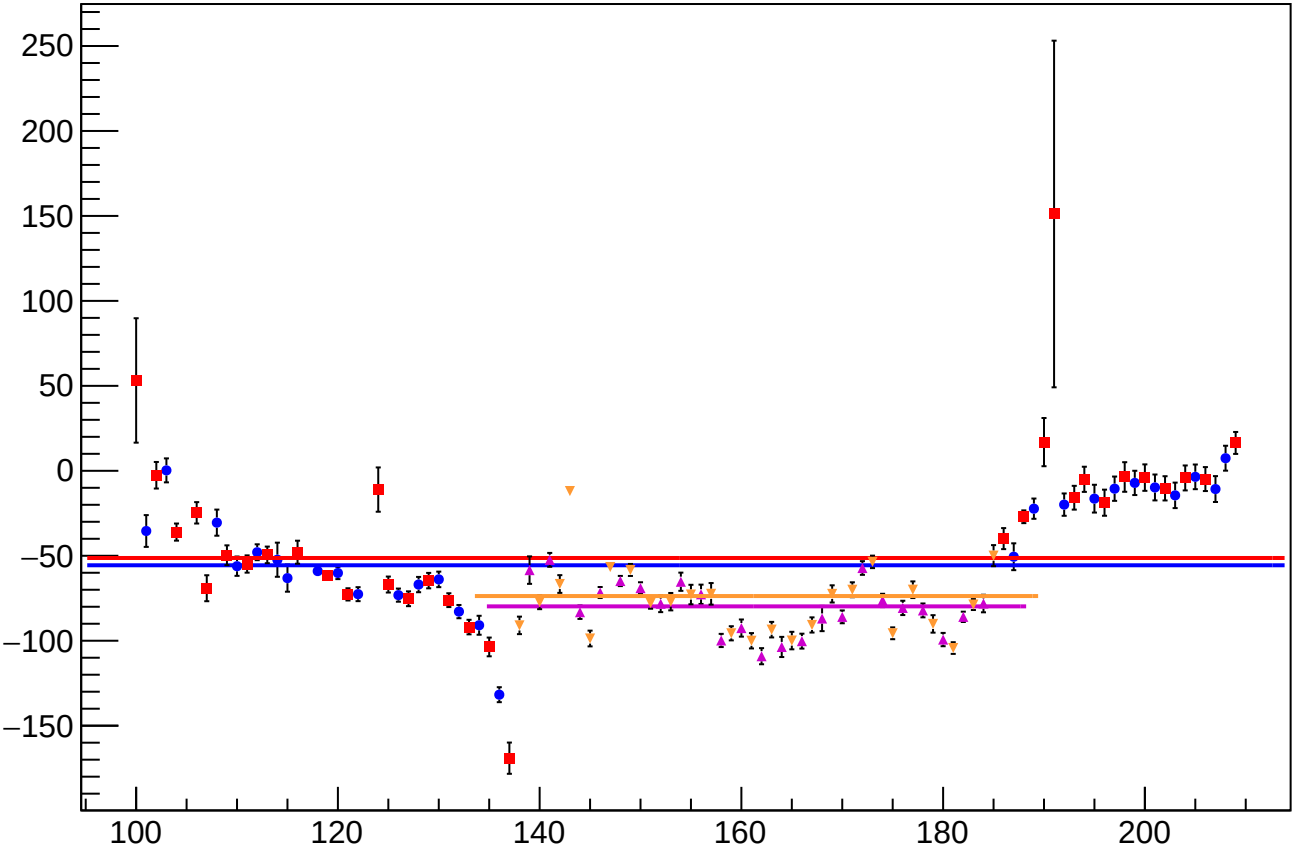
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -170.650+/-0.631 χ^2/NDF: 10608.1/51

All: -175.361+/-0.432 χ^2/NDF: 20314.5/106

- sign -179.514+/-0.592 χ^2/NDF: 9601.5/54

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -55.591+/-1.038 χ^2/NDF: 916.0/26

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -51.302+/-0.998 χ^2/NDF: 1018.2/31

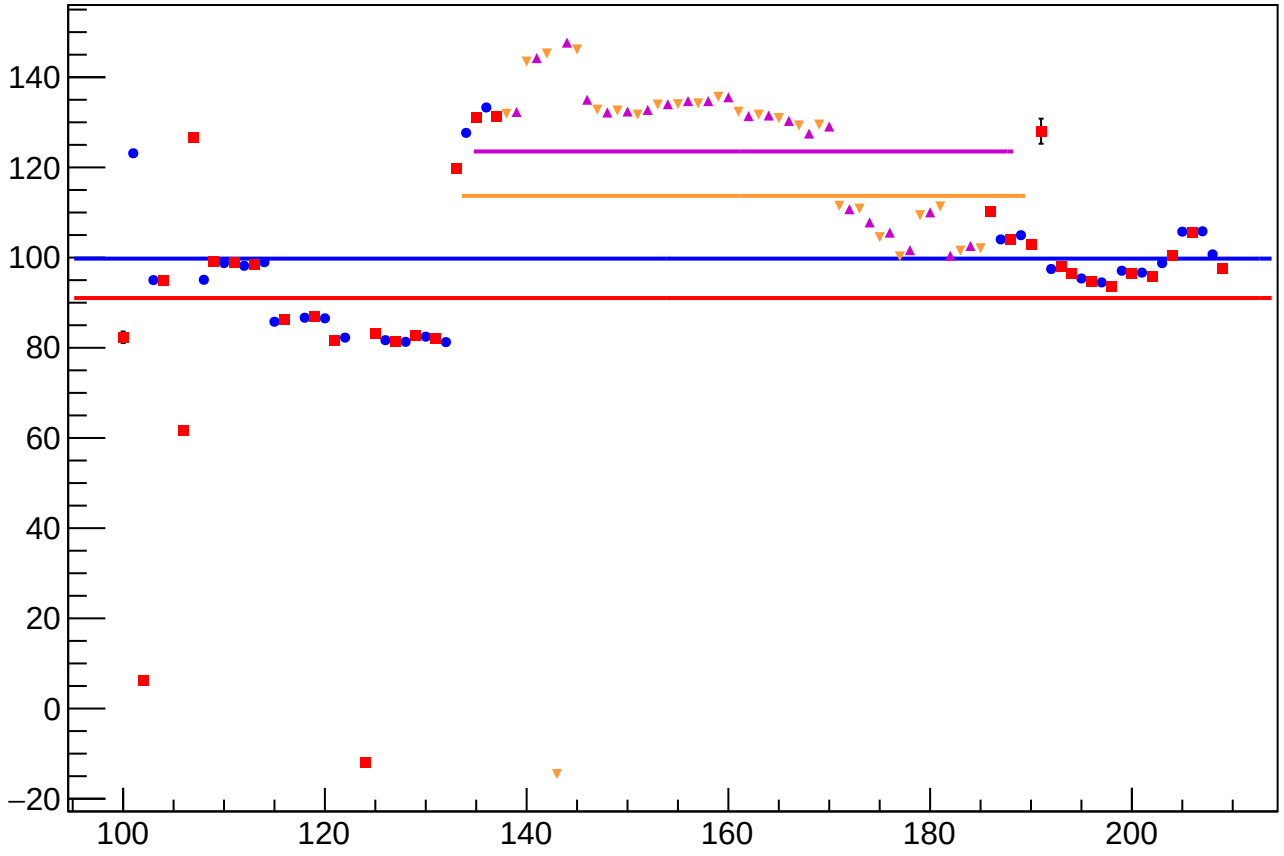
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -66.653+/-0.648 χ^2/NDF: 1941.5/51

All: -67.028+/-0.461 χ^2/NDF: 3698.4/106

\- sign -67.415+/-0.657 χ^2/NDF: 1756.2/54

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.775+/-0.054 χ^2/NDF: 70049.1/26

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.034+/-0.050 χ^2/NDF: 288180.4/31

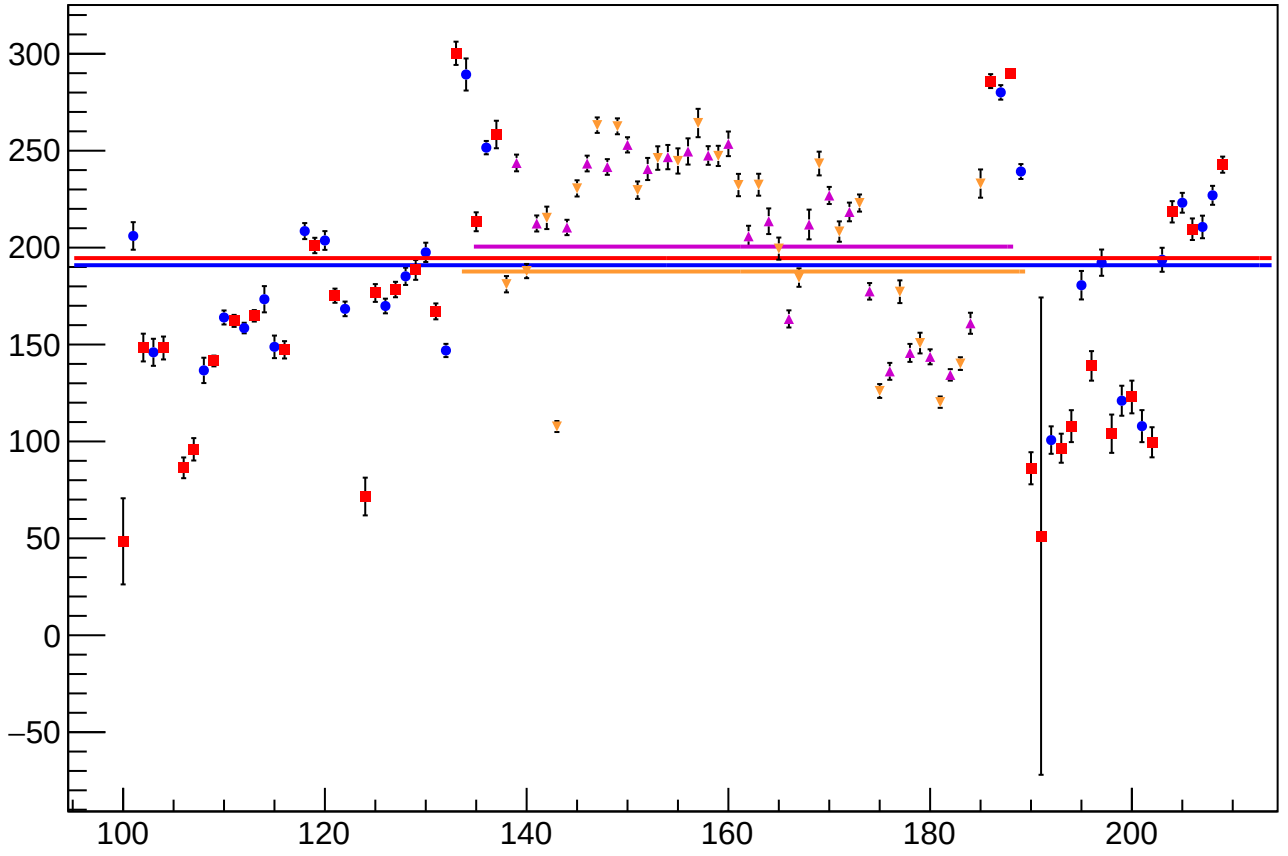
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.985+/-0.031 χ^2/NDF: 1077657.8/51

All: 110.021+/-0.022 χ^2/NDF: 1761284.8/106

- sign 111.049+/-0.031 χ^2/NDF: 681432.0/54

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.590+/-0.811 χ^2/NDF: 6144.4/31

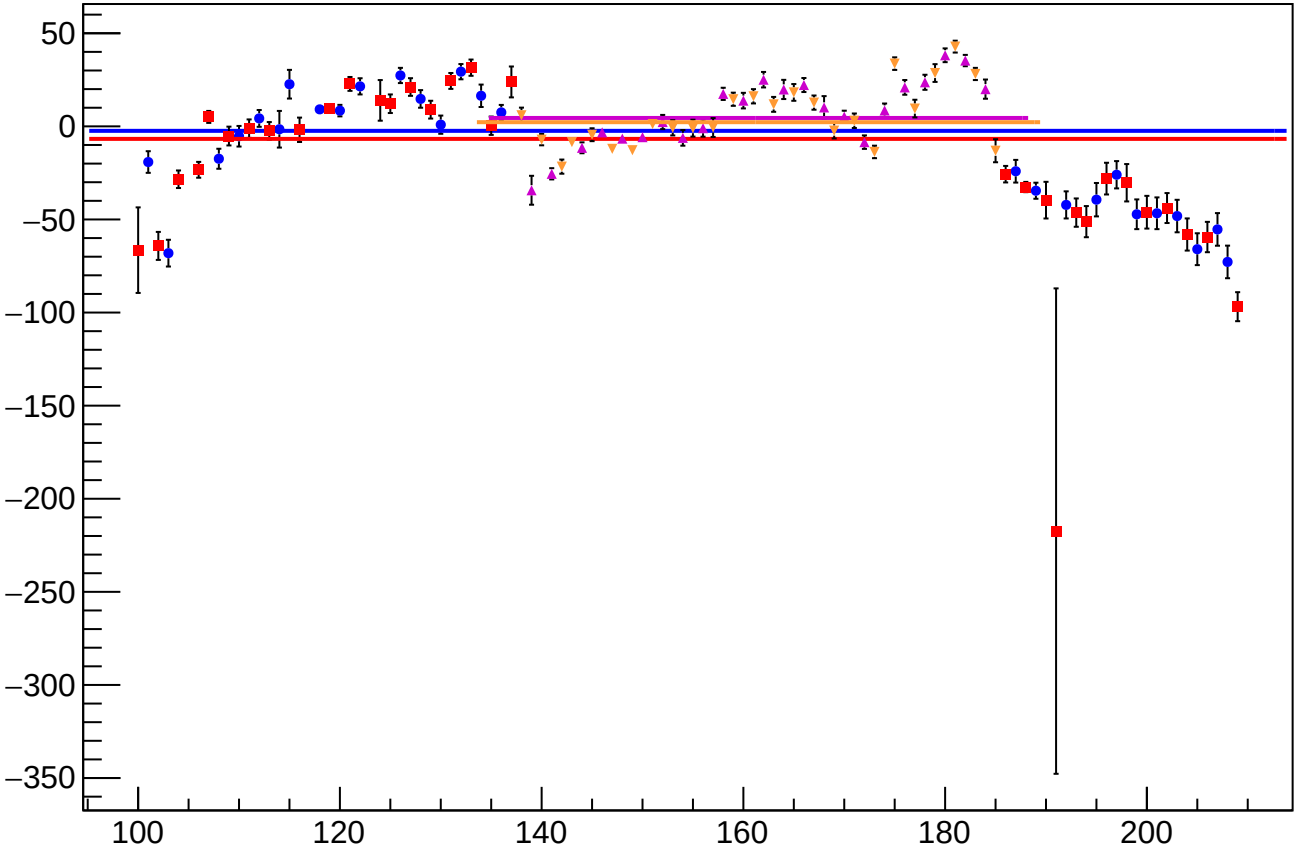
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 189.278+/-0.639 χ^2/NDF: 5793.6/51

All: 193.306+/-0.444 χ^2/NDF: 14148.7/106

\- sign 197.074+/-0.618 χ^2/NDF: 8278.2/54

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

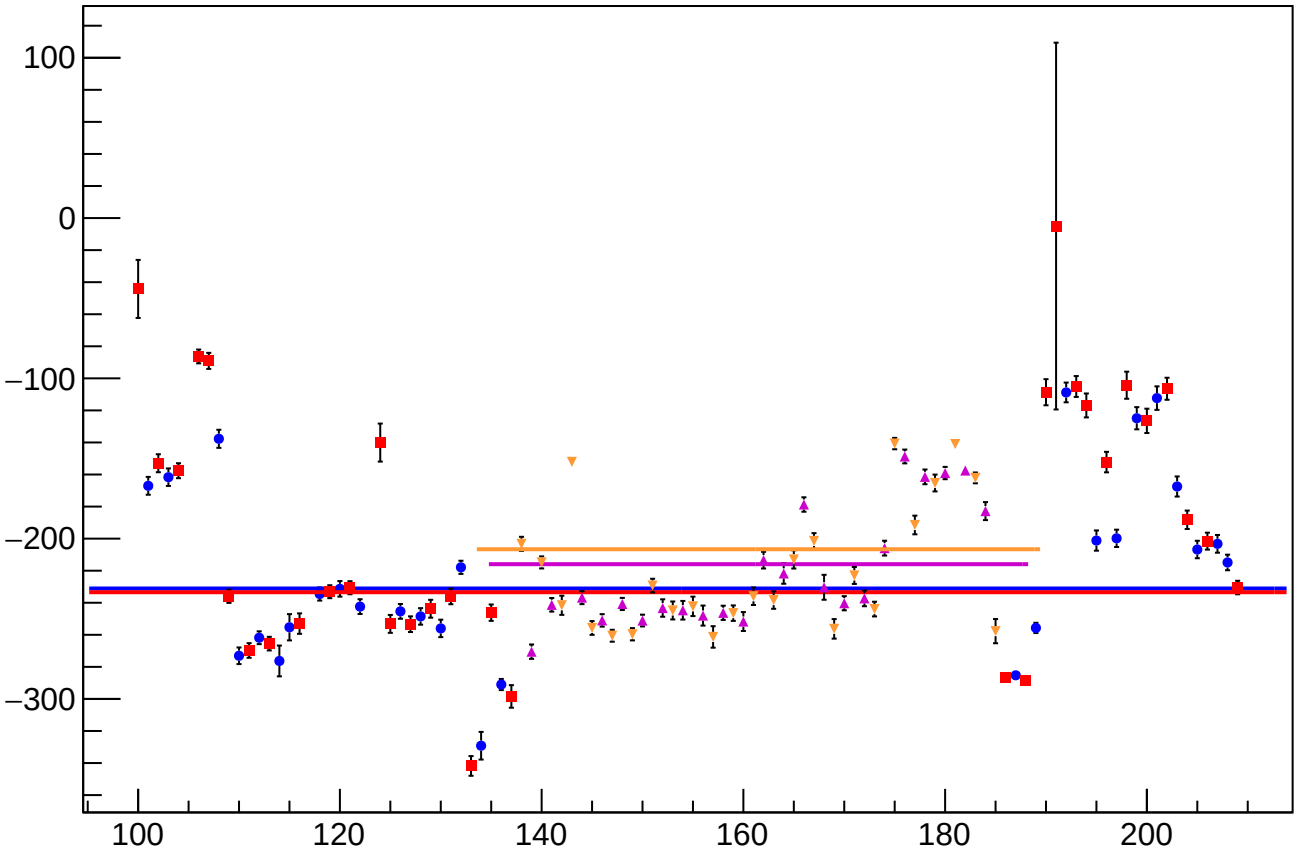
Right Out: -6.729+/-0.910 χ^2/NDF: 869.5/31

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.800+/-0.552 χ^2/NDF: 1303.3/51

All: 0.519+/-0.394 χ^2/NDF: 2814.9/106

- sign 0.228+/-0.562 χ^2/NDF: 1511.1/54



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.427+/-0.817 χ^2/NDF: 6659.8/31

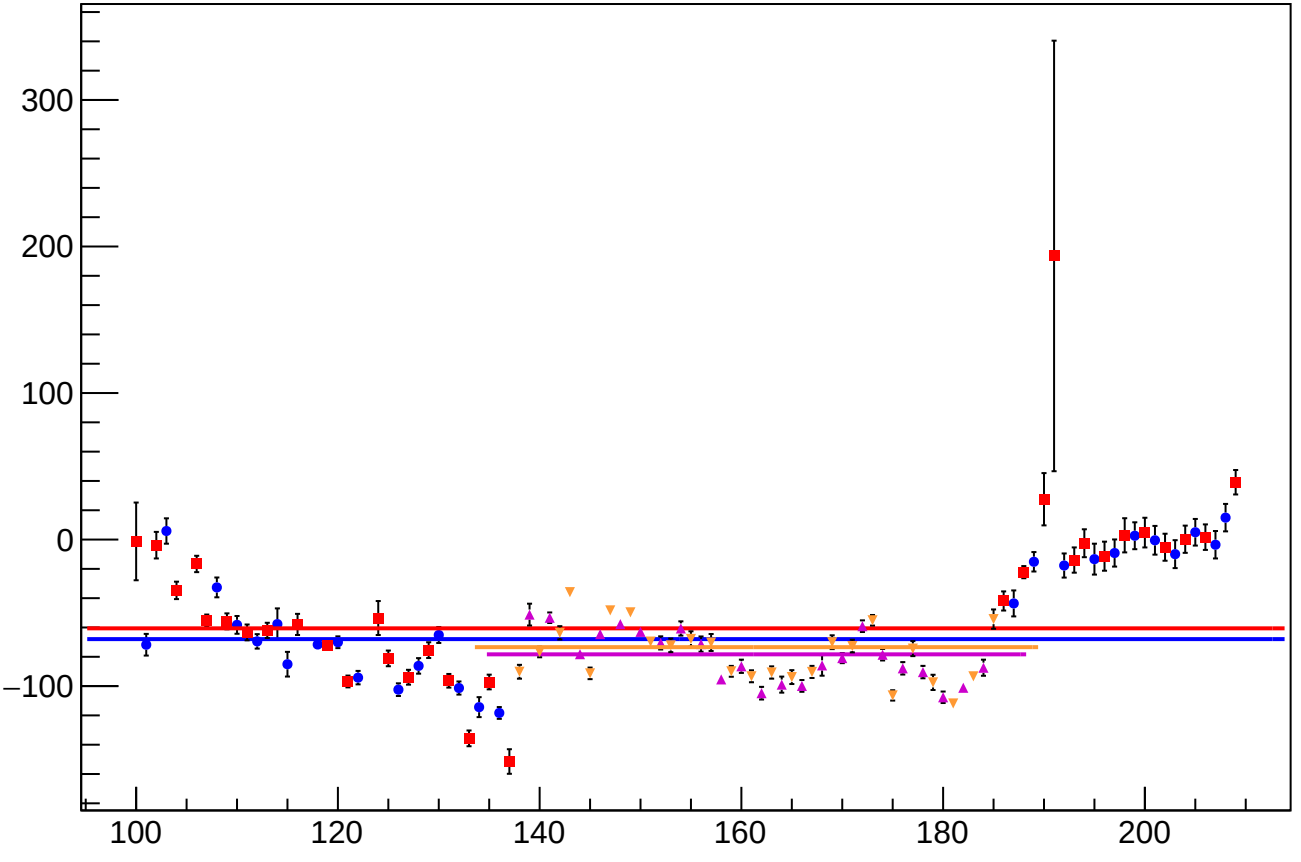
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.127+/-0.651 χ^2/NDF: 5503.0/51

All: -222.243+/-0.449 χ^2/NDF: 14146.4/106

- sign -225.954+/-0.618 χ^2/NDF: 8567.4/54

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

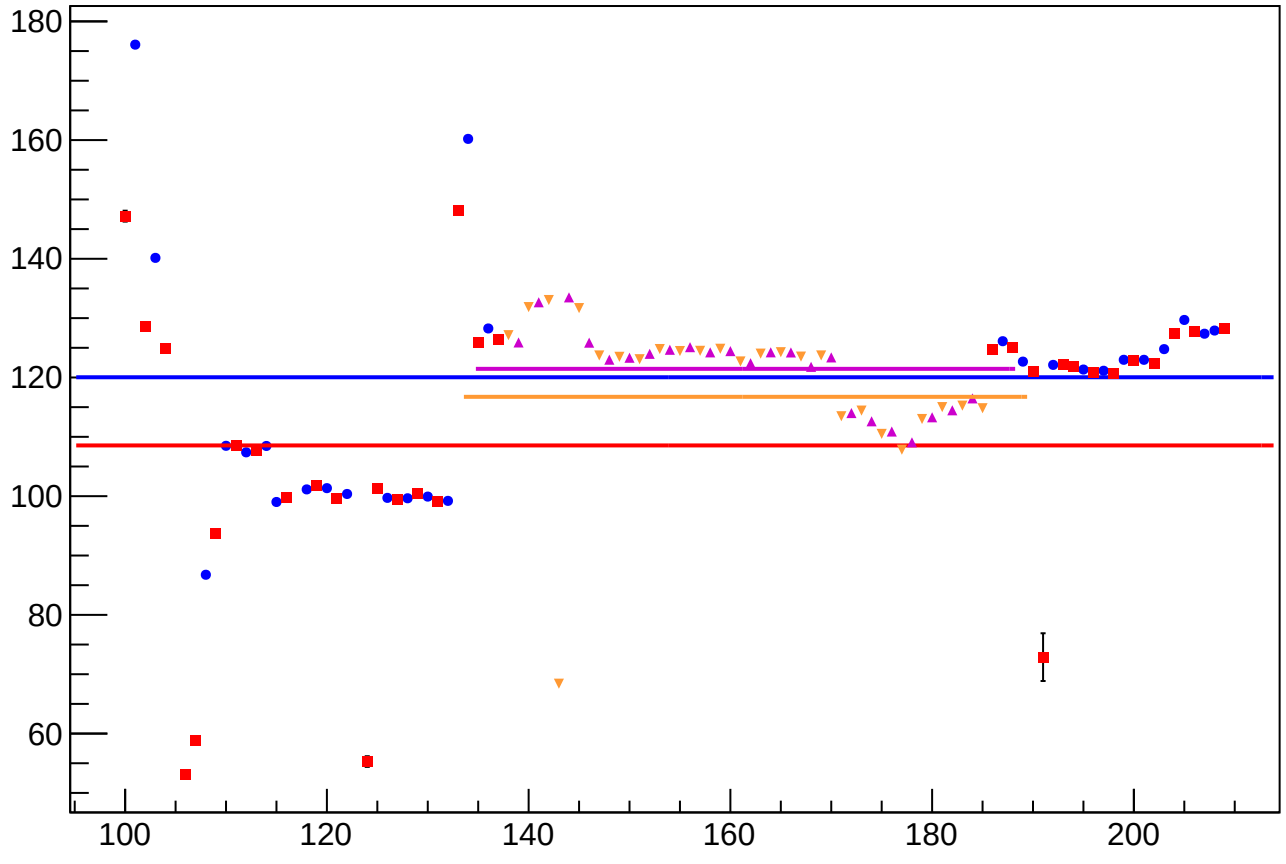
Right Out: -60.588+/-1.086 χ^2/NDF: 1267.2/31

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -71.757+/-0.640 χ^2/NDF: 1837.6/51

All: -71.833+/-0.457 χ^2/NDF: 3718.5/106

- sign -71.912+/-0.653 χ^2/NDF: 1880.8/54



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

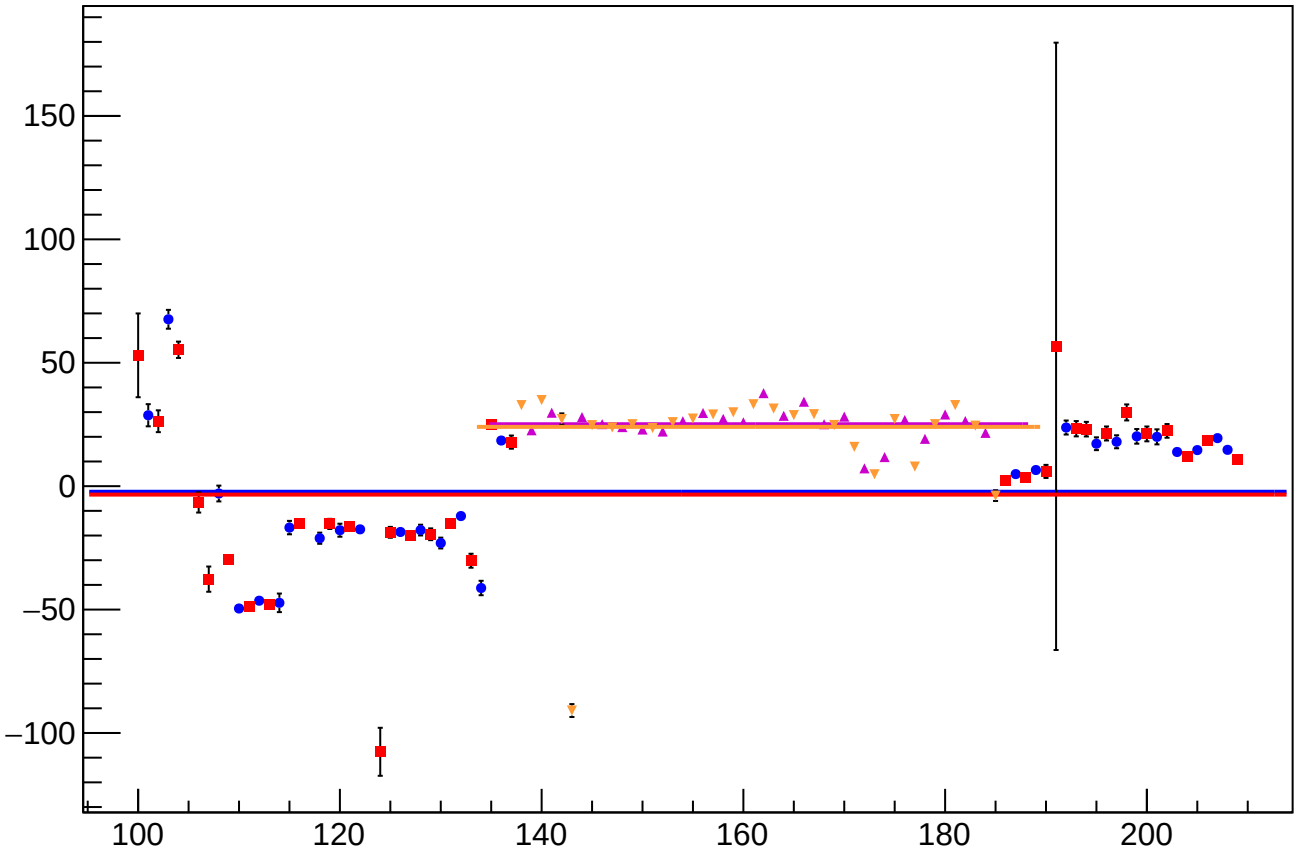
Right Out: 108.550+/-0.056 χ^2/NDF: 210385.8/31

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.581+/-0.031 χ^2/NDF: 304199.0/51

All: 117.519+/-0.022 χ^2/NDF: 580540.5/106

- sign 117.457+/-0.031 χ^2/NDF: 276333.3/54



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -3.414+/-0.373 χ^2/NDF: 3829.4/31

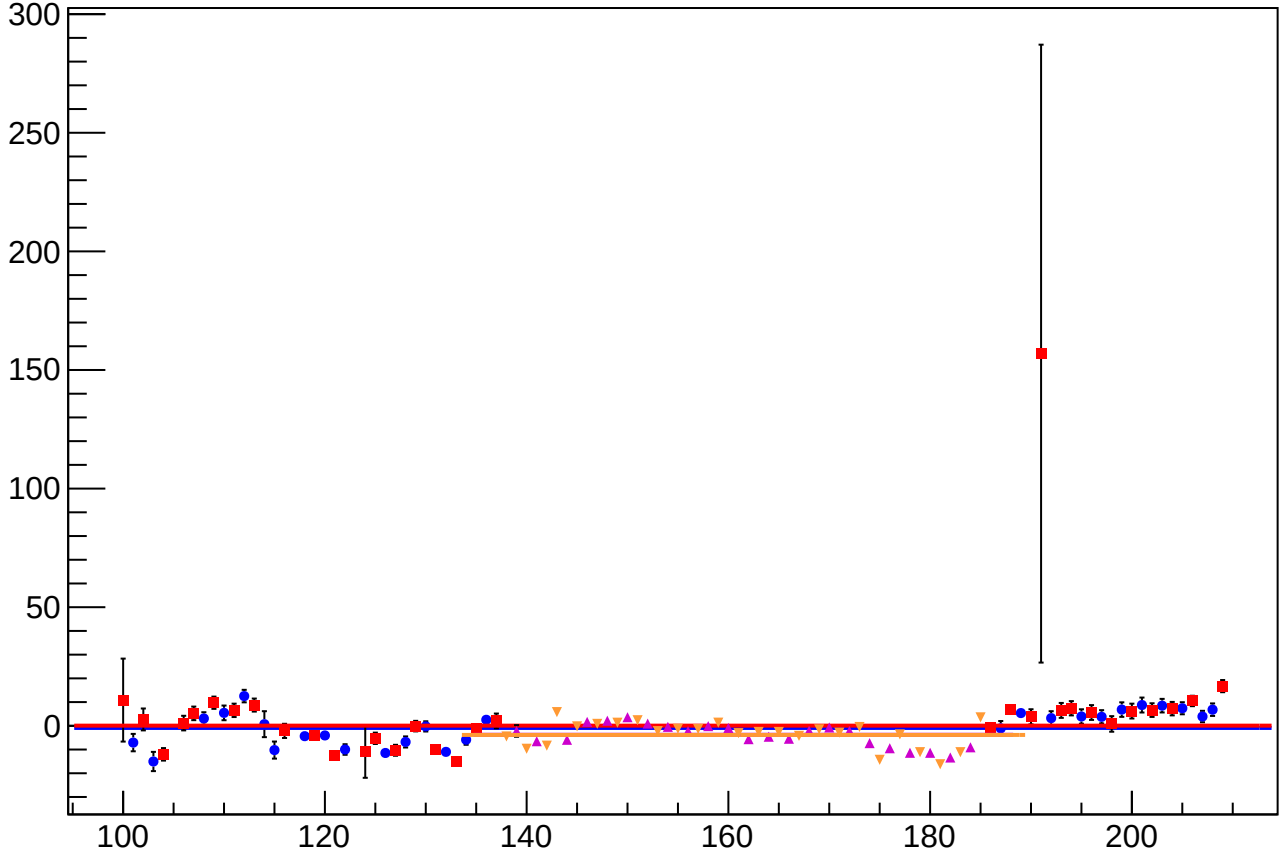
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.410+/-0.231 χ^2/NDF: 9209.7/51

All: 14.930+/-0.162 χ^2/NDF: 17213.6/106

- sign 14.466+/-0.227 χ^2/NDF: 7995.4/54

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.069+/-0.438 χ^2/NDF: 325.8/31

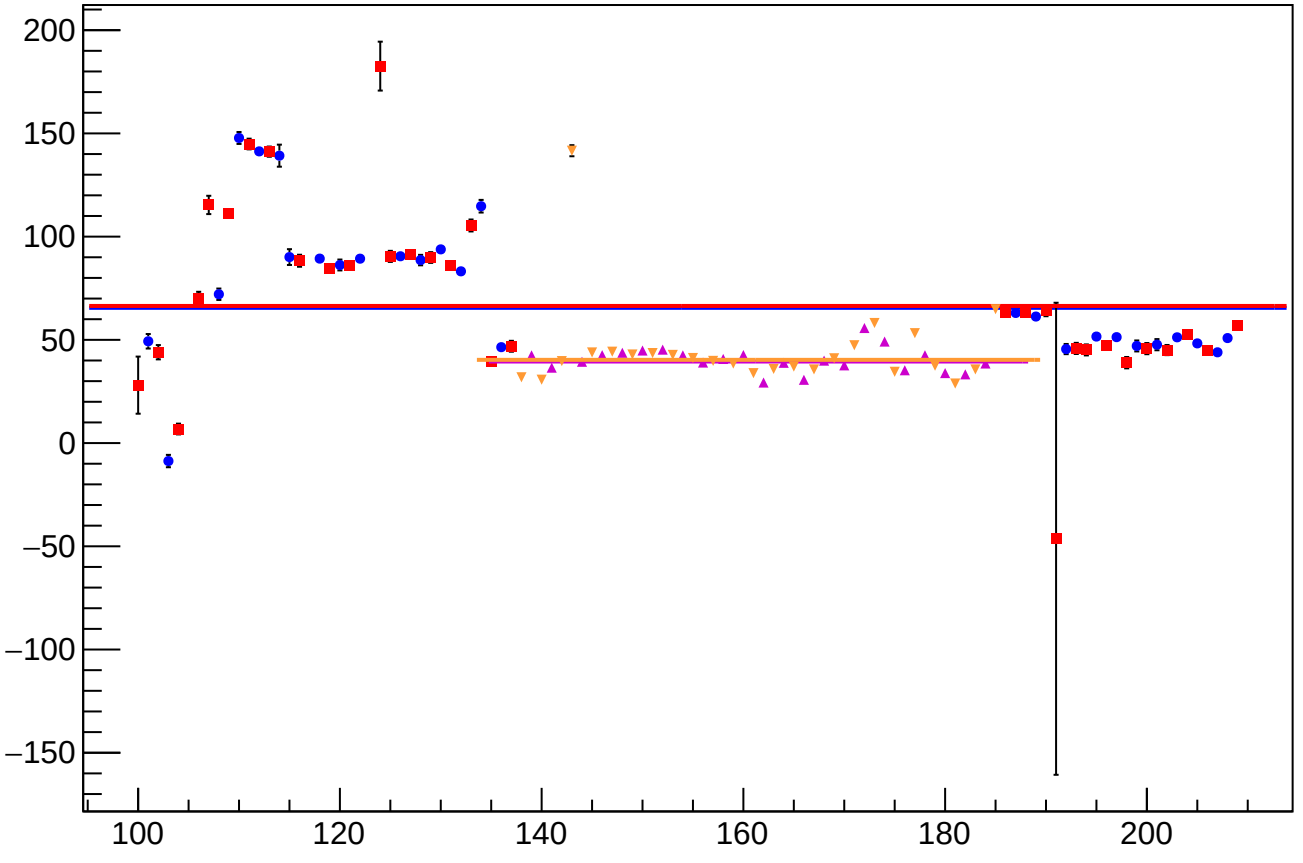
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.301+/-0.197 χ^2/NDF: 898.4/51

All: -3.144+/-0.140 χ^2/NDF: 1796.6/106

- sign -2.983+/-0.199 χ^2/NDF: 897.0/54

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

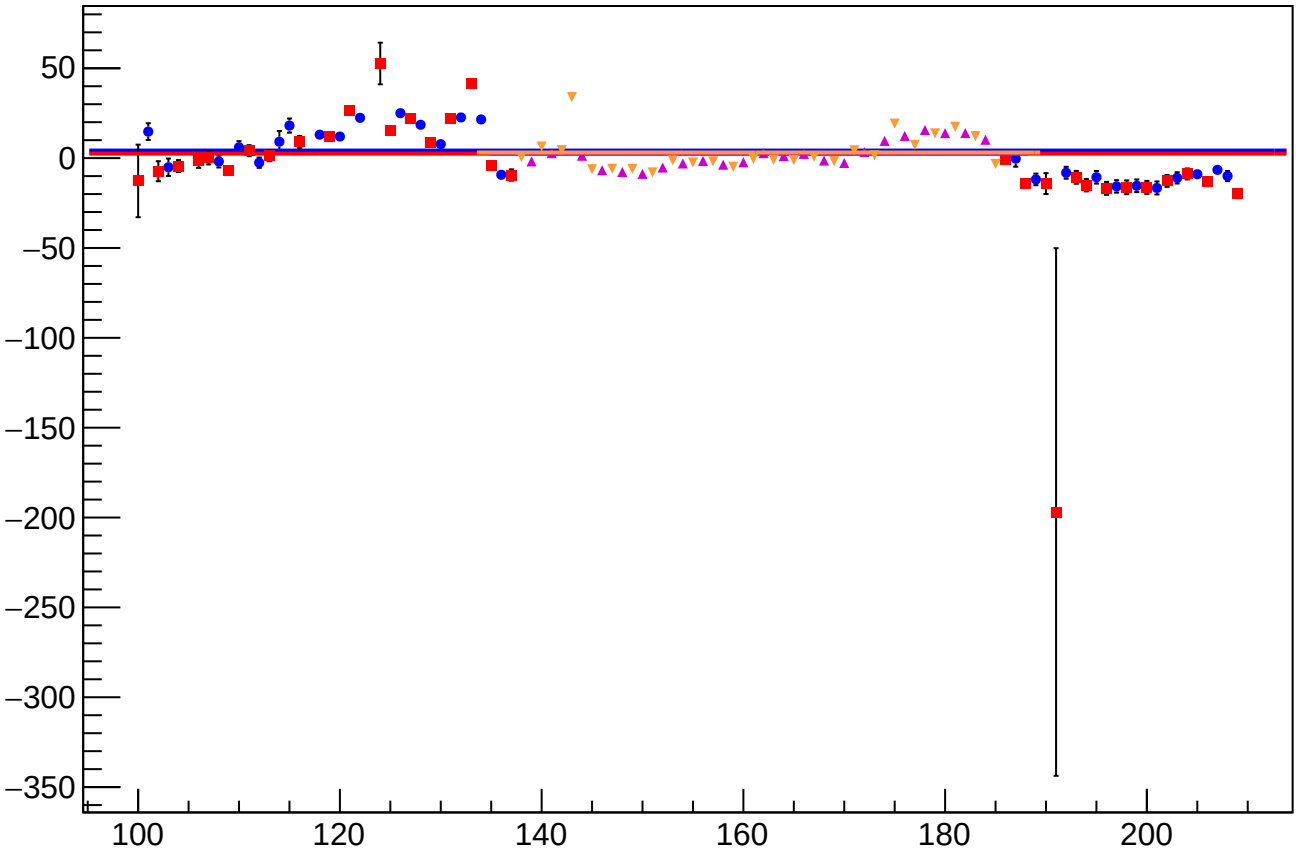
Right Out: 66.421+/-0.370 χ^2/NDF: 4799.8/31

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 48.252+/-0.232 χ^2/NDF: 9335.6/51

All: 48.908+/-0.162 χ^2/NDF: 17911.6/106

- sign 49.529+/-0.226 χ^2/NDF: 8560.5/54



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

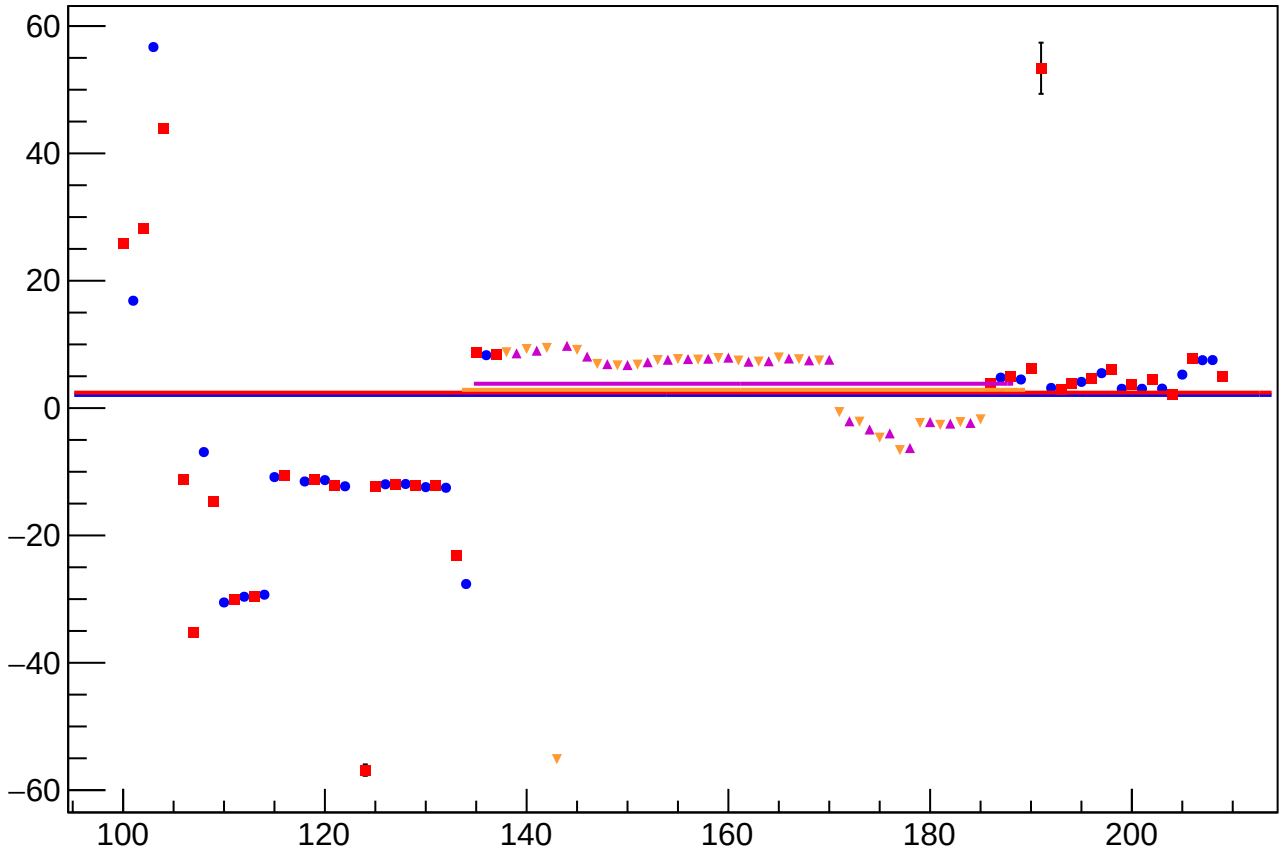
Right Out: 2.493+/-0.515 χ^2/NDF: 959.9/31

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.333+/-0.222 χ^2/NDF: 1971.5/51

All: 2.929+/-0.158 χ^2/NDF: 3906.2/106

- sign 2.514+/-0.226 χ^2/NDF: 1928.0/54



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

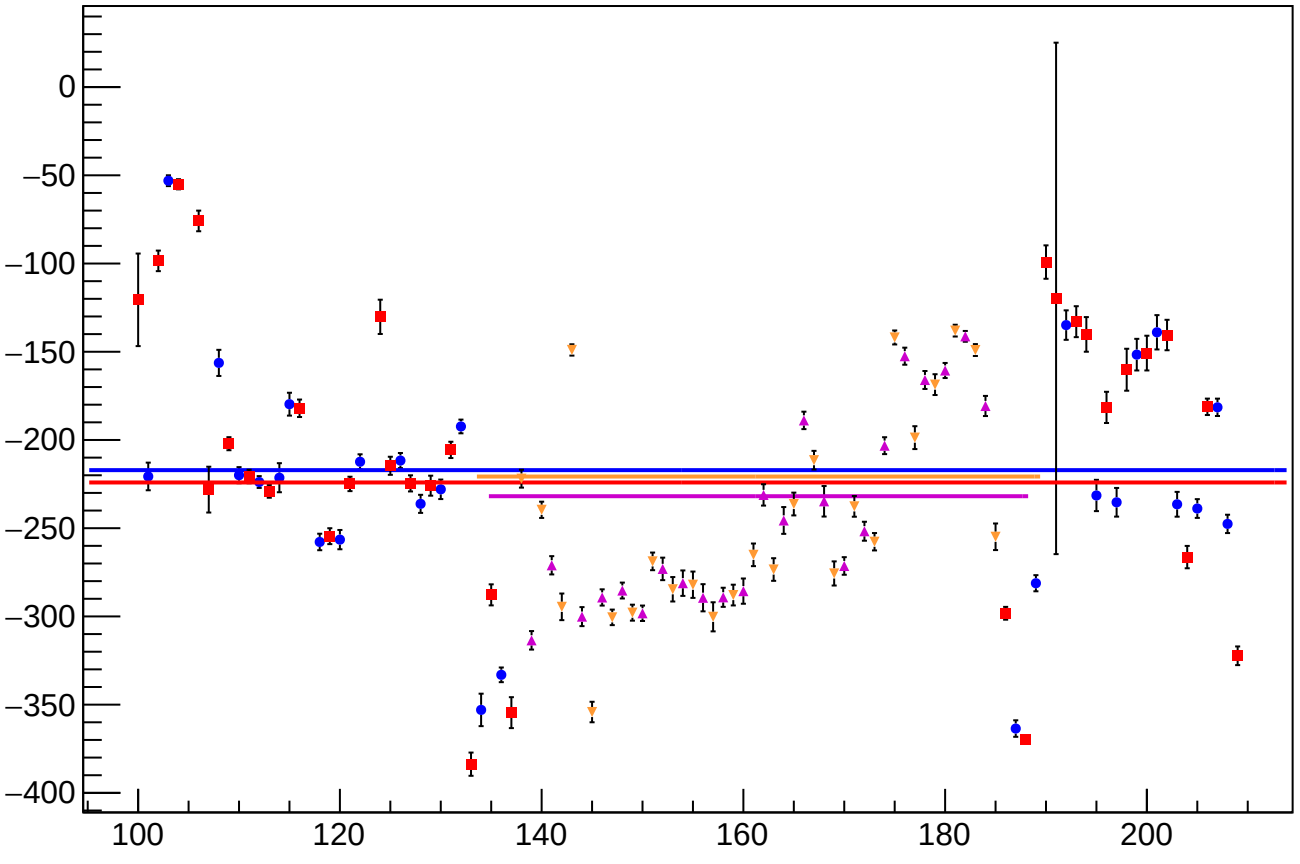
Right Out: 2.425+/-0.025 χ^2/NDF: 330590.4/31

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.739+/-0.010 χ^2/NDF: 895552.2/51

All: 3.161+/-0.007 χ^2/NDF: 1465602.9/106

- sign 3.588+/-0.010 χ^2/NDF: 566503.9/54



Right In: -217.092+/-0.997 χ^2/NDF: 5658.2/26

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -224.085+/-0.907 χ^2/NDF: 10612.4/31

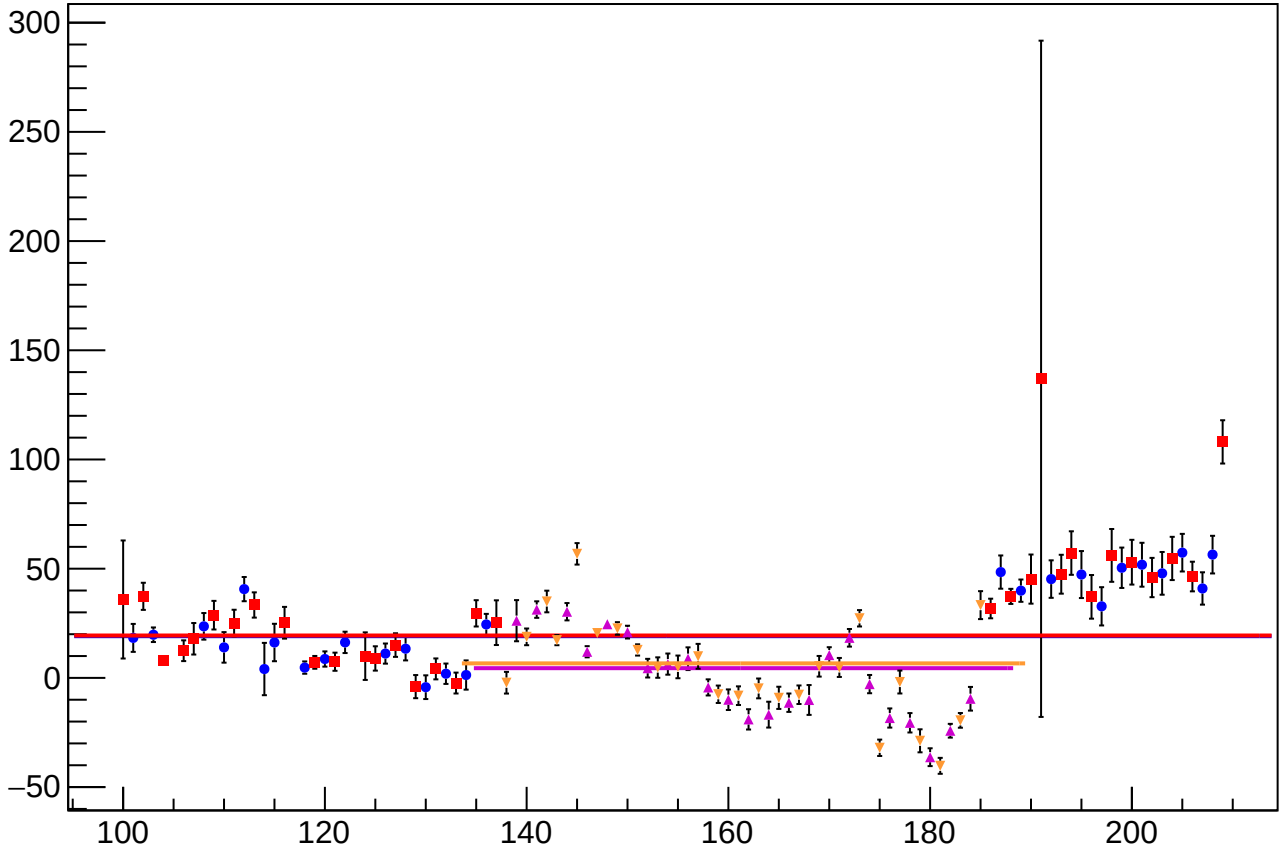
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -218.870+/-0.713 χ^2/NDF: 9716.9/51

All: -223.206+/-0.497 χ^2/NDF: 23592.4/106

- sign -227.317+/-0.694 χ^2/NDF: 13803.3/54

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 19.092+/-1.079 χ^2/NDF: 225.8/26

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

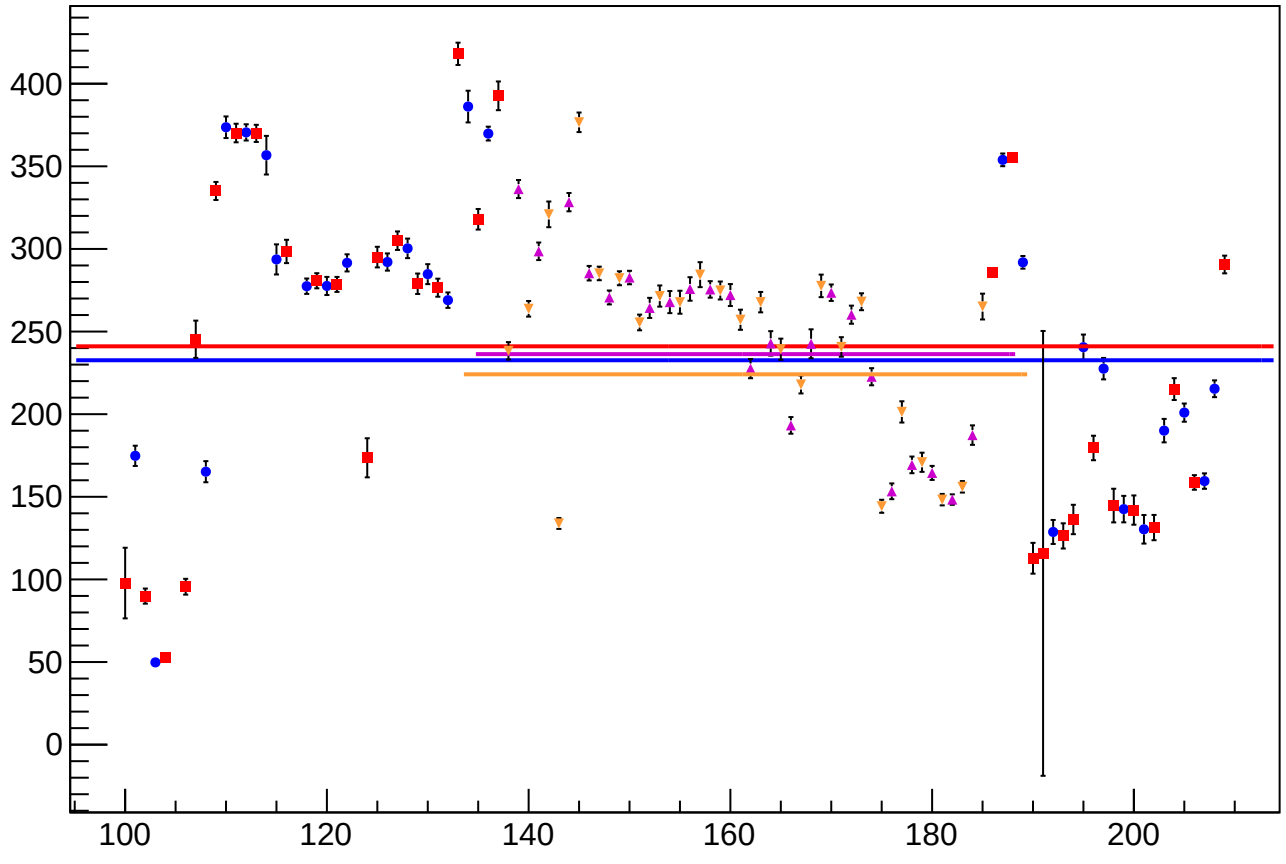
Right Out: 19.405+/-0.981 χ^2/NDF: 334.9/31

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 10.718+/-0.617 χ^2/NDF: 1050.4/51

All: 10.603+/-0.438 χ^2/NDF: 2091.1/106

- sign 10.486+/-0.623 χ^2/NDF: 1040.7/54



Right In: 232.630+/-1.004 χ^2/NDF: 11409.5/26

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

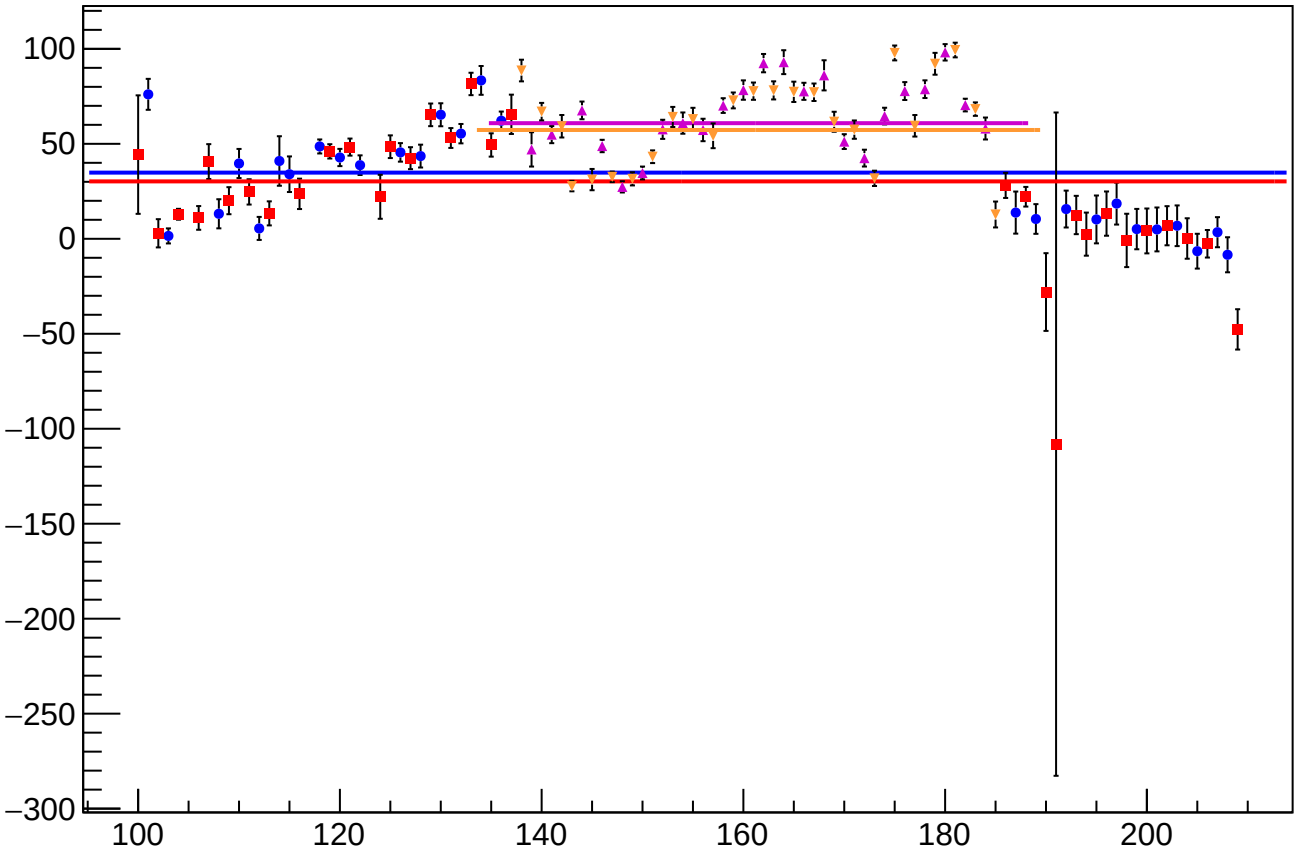
Right Out: 241.067+/-0.886 χ^2/NDF: 17055.3/31

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 228.416+/-0.713 χ^2/NDF: 15411.7/51

All: 234.024+/-0.493 χ^2/NDF: 35589.8/106

- sign 239.139+/-0.681 χ^2/NDF: 20059.9/54



Right In: 34.844+/-1.264 χ^2/NDF: 369.7/26

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

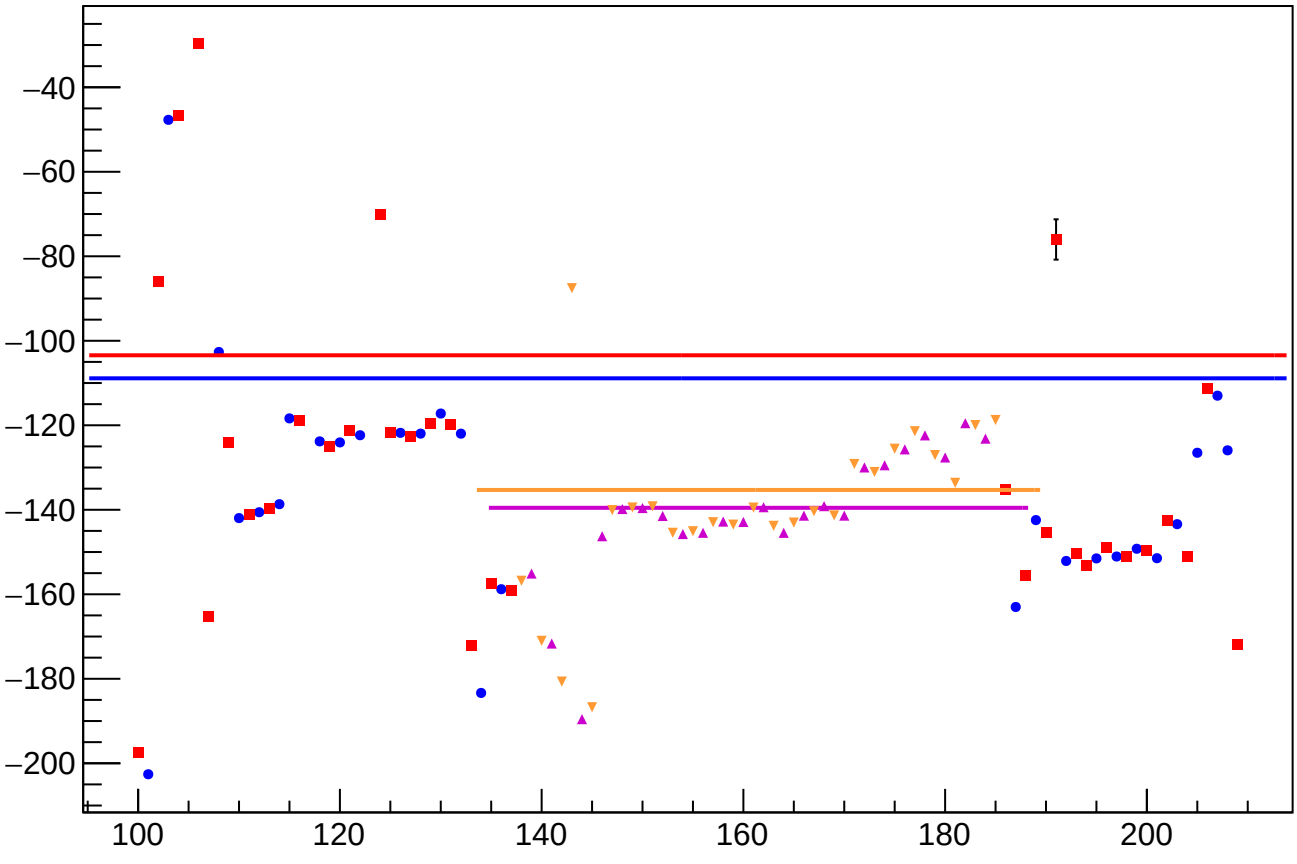
Right Out: 30.222+/-1.176 χ^2/NDF: 390.2/31

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 50.093+/-0.715 χ^2/NDF: 1351.9/51

All: 49.654+/-0.510 χ^2/NDF: 2618.0/106

- sign 49.203+/-0.726 χ^2/NDF: 1265.4/54



Right In: -108.884+/-0.058 χ^2/NDF: 664700.3/26

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

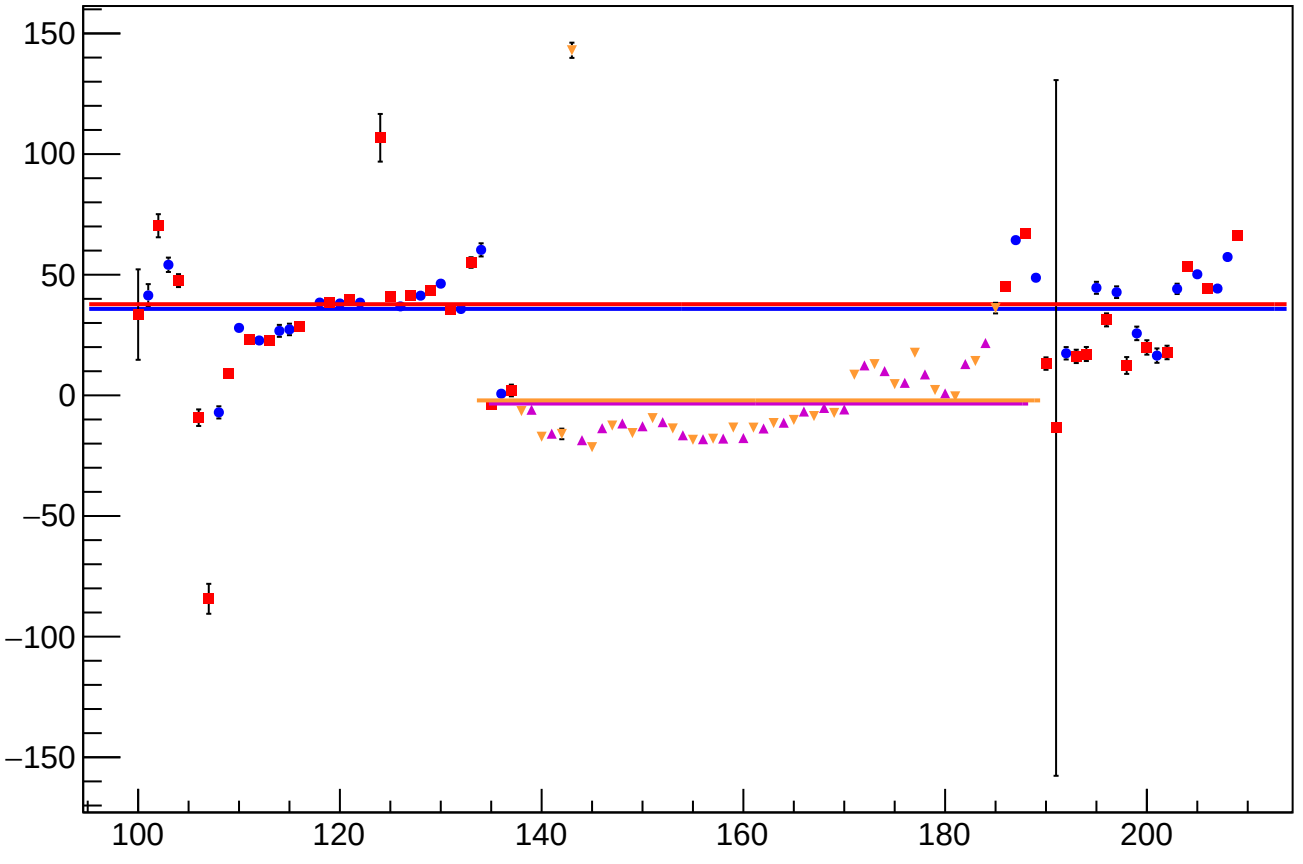
Right Out: -103.433+/-0.056 χ^2/NDF: 738651.8/31

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.698+/-0.033 χ^2/NDF: 1065701.2/51

All: -126.605+/-0.024 χ^2/NDF: 2183959.2/10

- sign -126.511+/-0.034 χ^2/NDF: 1118242.4/54



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

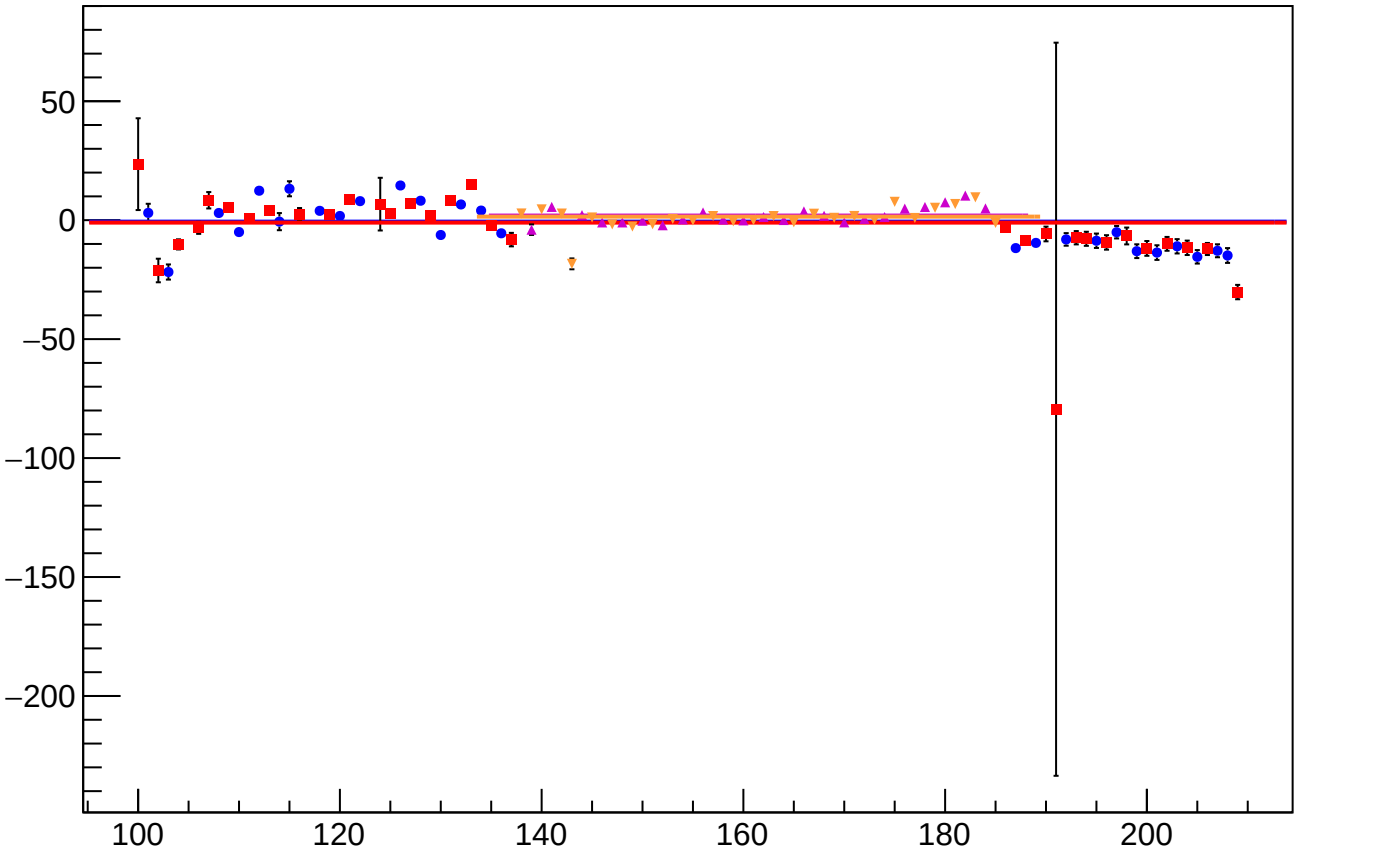
Right Out: 37.777+/-0.302 χ^2/NDF: 5036.3/31

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 12.313+/-0.210 χ^2/NDF: 14428.4/51

All: 13.710+/-0.146 χ^2/NDF: 31589.0/106

- sign 14.999+/-0.202 χ^2/NDF: 17075.6/54



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

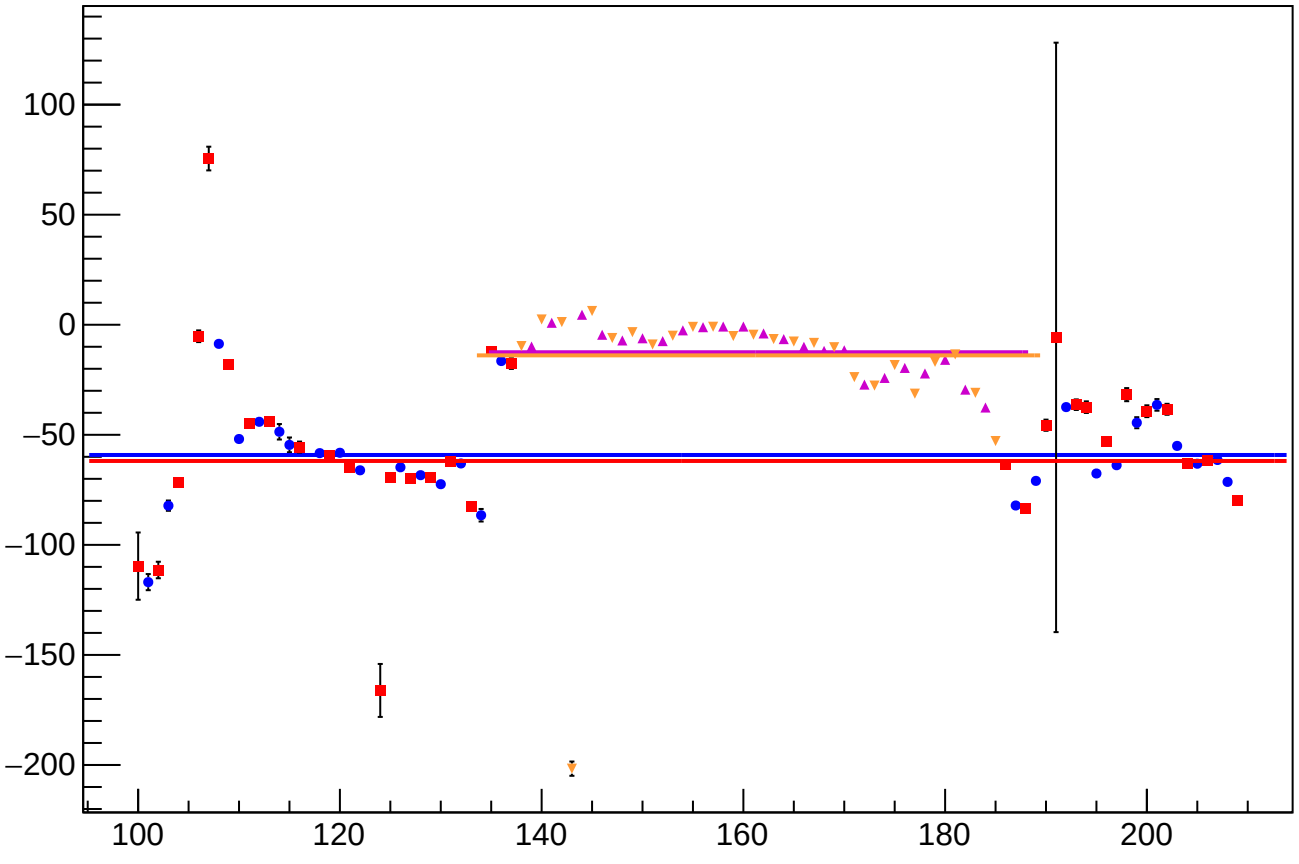
Right Out: -1.025+/-0.356 χ^2/NDF: 504.0/31

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 1.019+/-0.181 χ^2/NDF: 863.1/51

All: 1.092+/-0.128 χ^2/NDF: 1659.3/106

\- sign 1.166+/-0.181 χ^2/NDF: 795.9/54



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

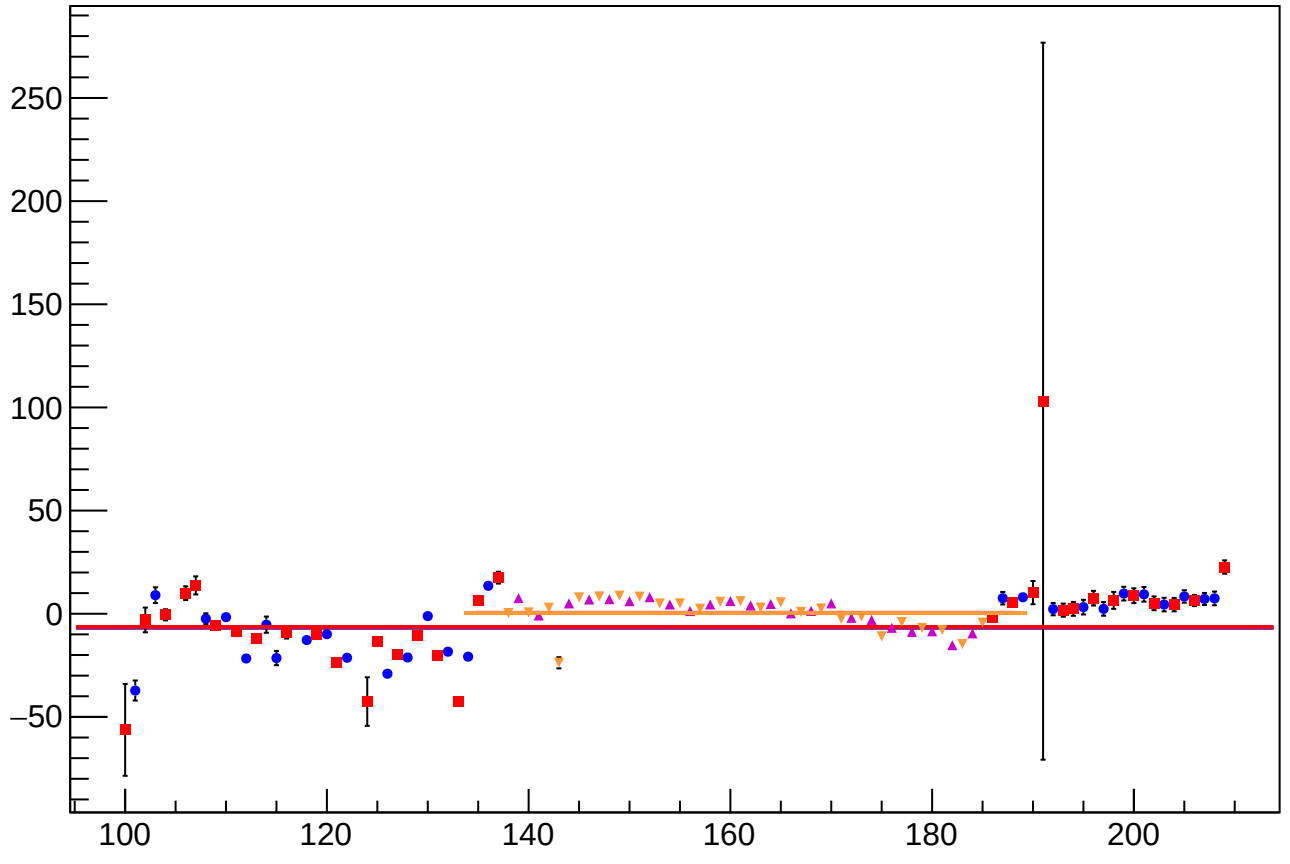
Right Out: -61.883+/-0.298 χ^2/NDF: 5591.2/31

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -30.227+/-0.212 χ^2/NDF: 19055.0/51

All: -32.581+/-0.145 χ^2/NDF: 41480.1/106

\- sign -34.671+/-0.199 χ^2/NDF: 22191.7/54



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

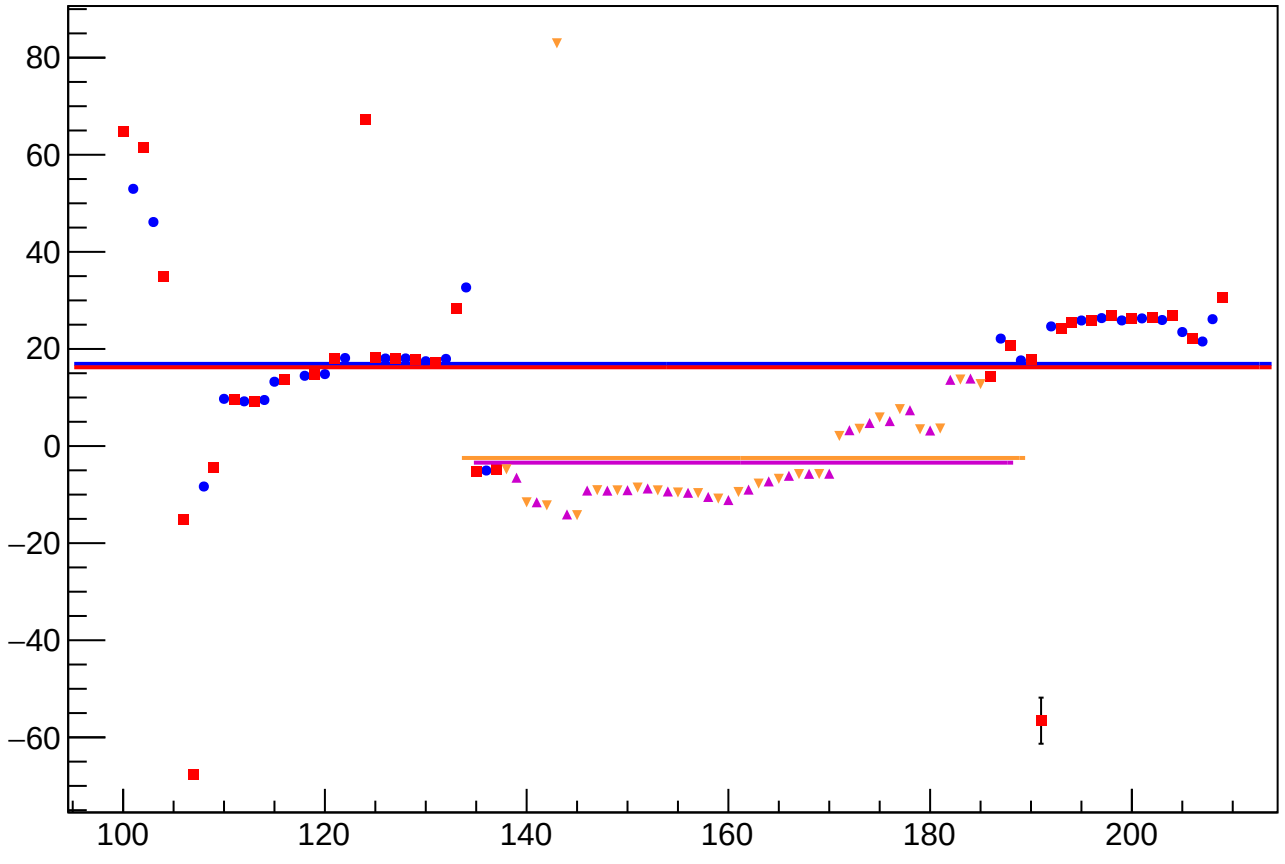
Right Out: -6.444+/-0.427 χ^2/NDF: 1021.1/31

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.172+/-0.205 χ^2/NDF: 2060.1/51

All: -1.177+/-0.146 χ^2/NDF: 4061.5/106

\- sign -1.181+/-0.207 χ^2/NDF: 2001.4/54



Right In: 16.926+/-0.023 χ^2/NDF: 437664.7/26

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

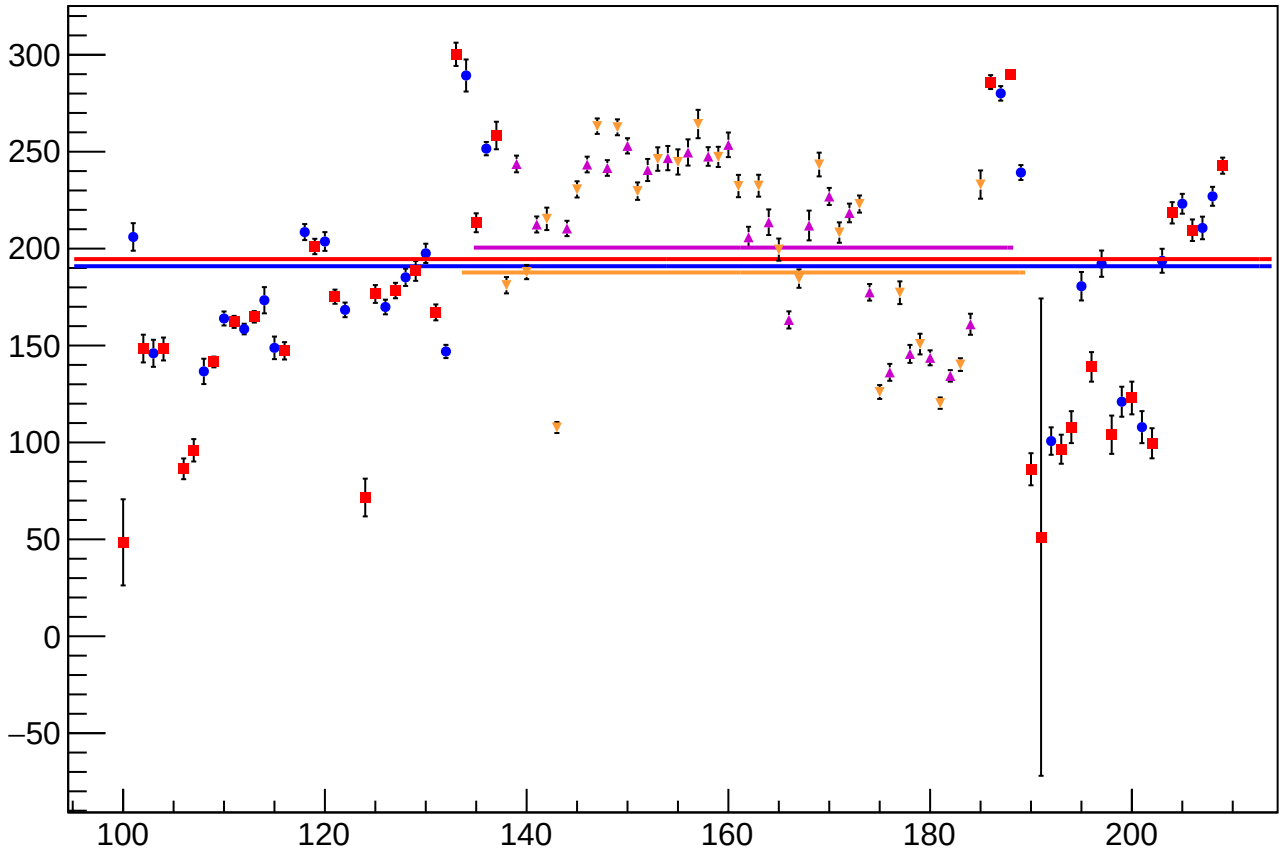
Right Out: 16.226+/-0.022 χ^2/NDF: 566503.5/31

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.933+/-0.009 χ^2/NDF: 2011478.7/51

All: 0.538+/-0.007 χ^2/NDF: 3769581.3/106

- sign 0.140+/-0.009 χ^2/NDF: 1754566.8/54



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

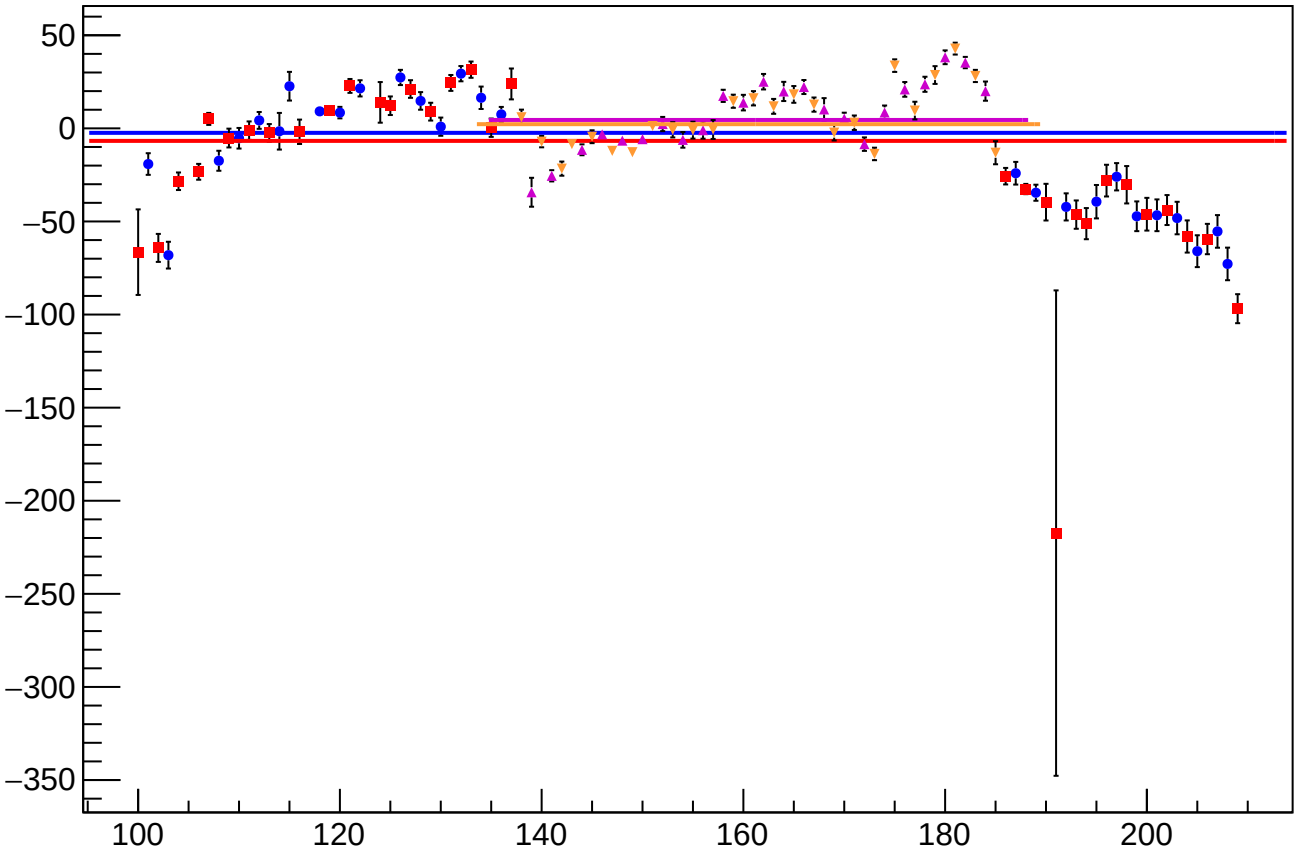
Right Out: 194.590+/-0.811 χ^2/NDF: 6144.4/31

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 189.278+/-0.639 χ^2/NDF: 5793.6/51

All: 193.306+/-0.444 χ^2/NDF: 14148.7/106

\- sign 197.074+/-0.618 χ^2/NDF: 8278.2/54



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -6.729+/-0.910 χ^2/NDF: 869.5/31

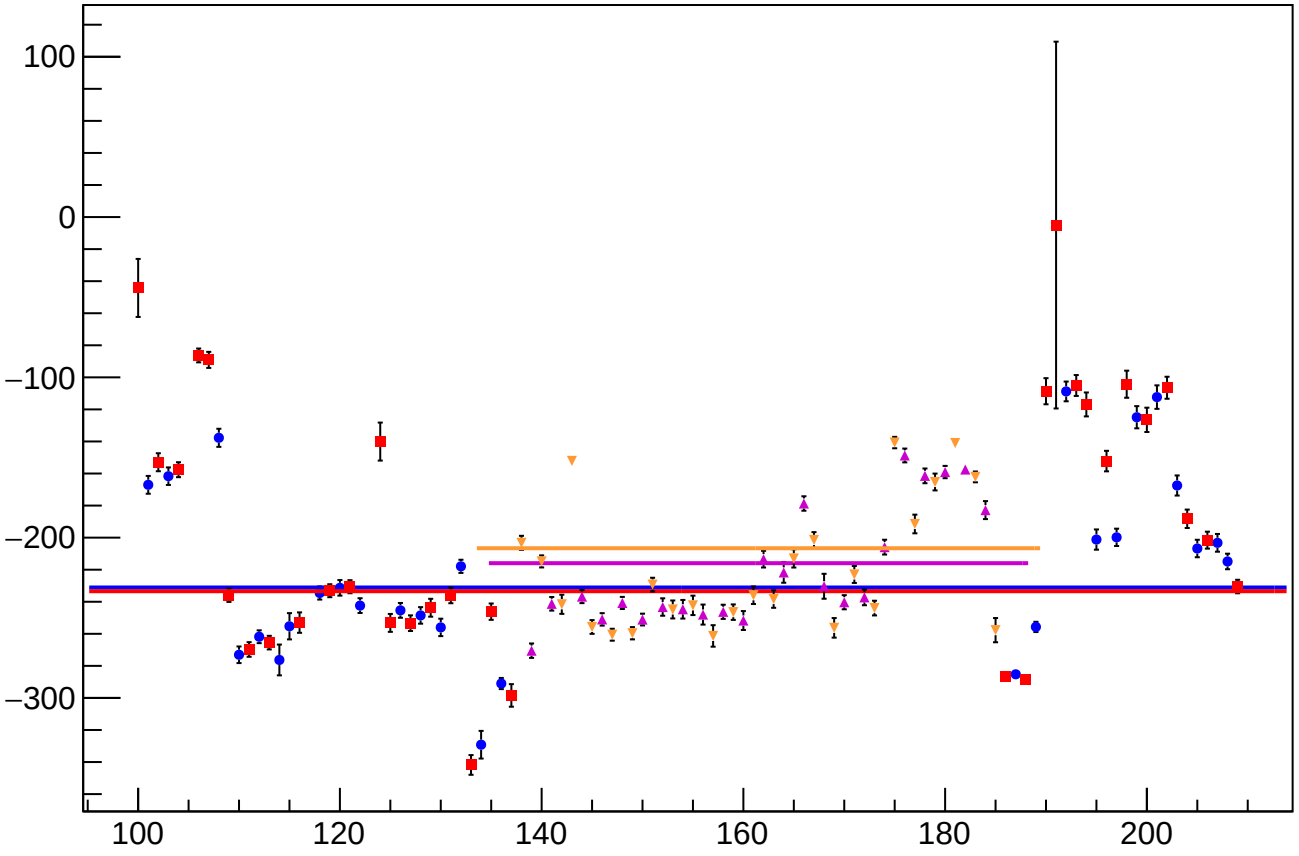
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.800+/-0.552 χ^2/NDF: 1303.3/51

All: 0.519+/-0.394 χ^2/NDF: 2814.9/106

- sign 0.228+/-0.562 χ^2/NDF: 1511.1/54

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.427+/-0.817 χ^2/NDF: 6659.8/31

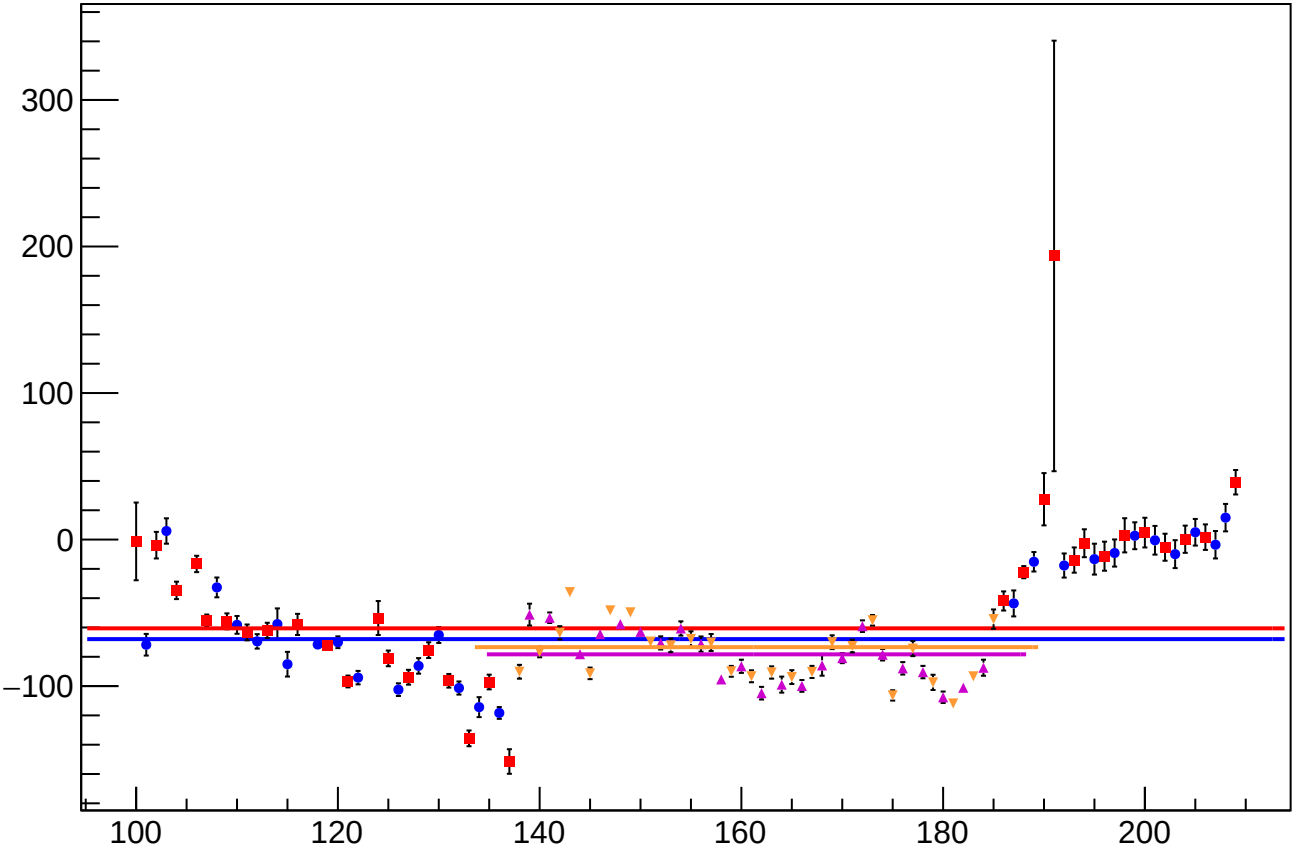
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.127+/-0.651 χ^2/NDF: 5503.0/51

All: -222.243+/-0.449 χ^2/NDF: 14146.4/106

- sign -225.954+/-0.618 χ^2/NDF: 8567.4/54

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -60.588+/-1.086 χ^2/NDF: 1267.2/31

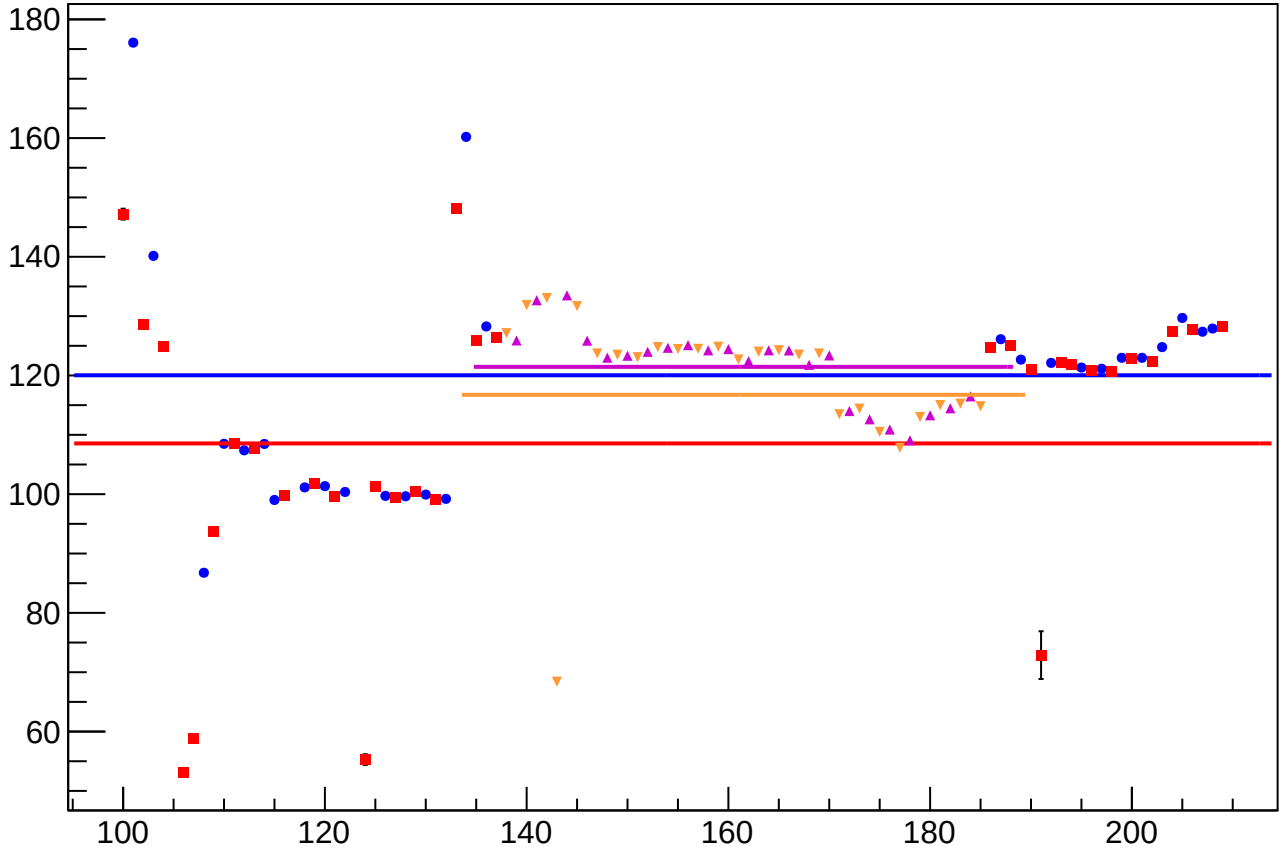
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -71.757+/-0.640 χ^2/NDF: 1837.6/51

All: -71.833+/-0.457 χ^2/NDF: 3718.5/106

\- sign -71.912+/-0.653 χ^2/NDF: 1880.8/54

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

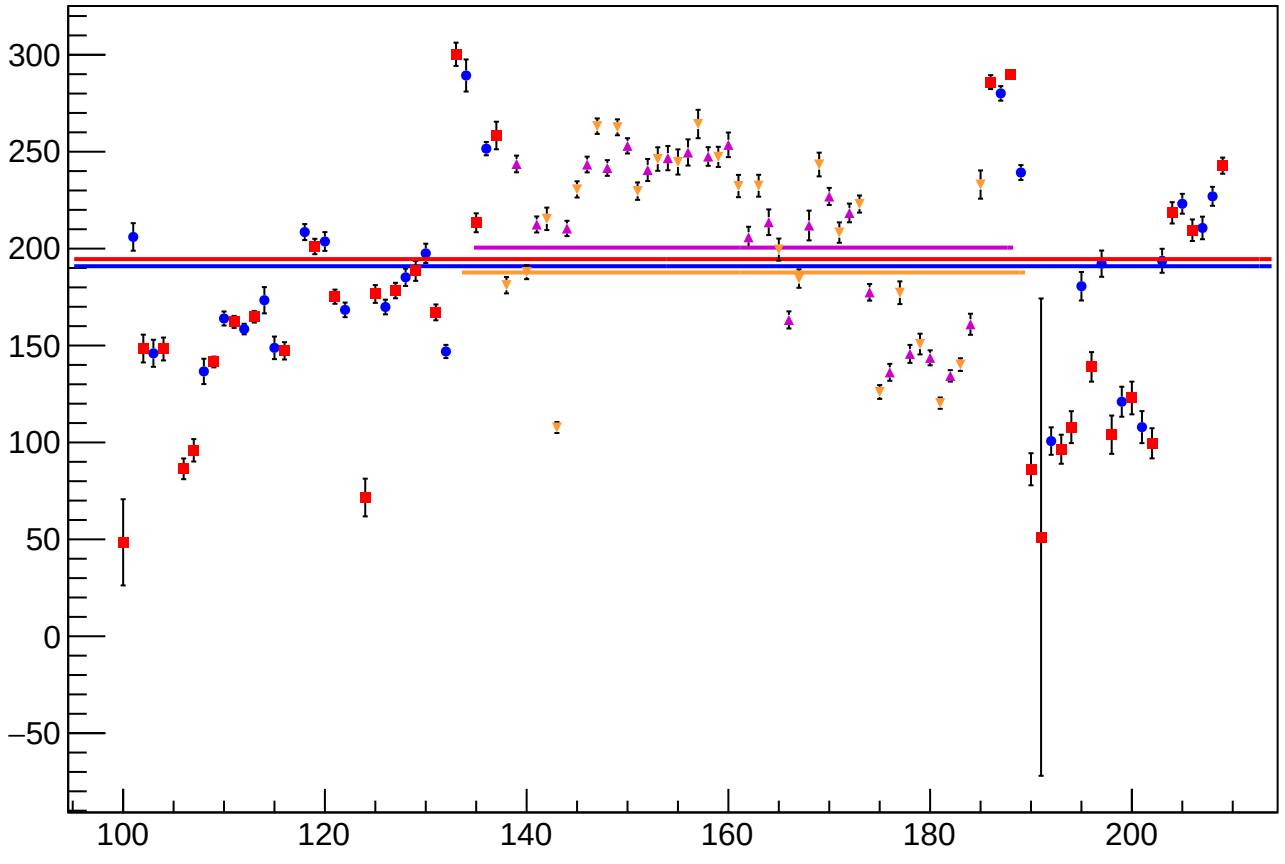
Right Out: 108.550+/-0.056 χ^2/NDF: 210385.8/31

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.581+/-0.031 χ^2/NDF: 304199.0/51

All: 117.519+/-0.022 χ^2/NDF: 580540.5/106

- sign 117.457+/-0.031 χ^2/NDF: 276333.3/54



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

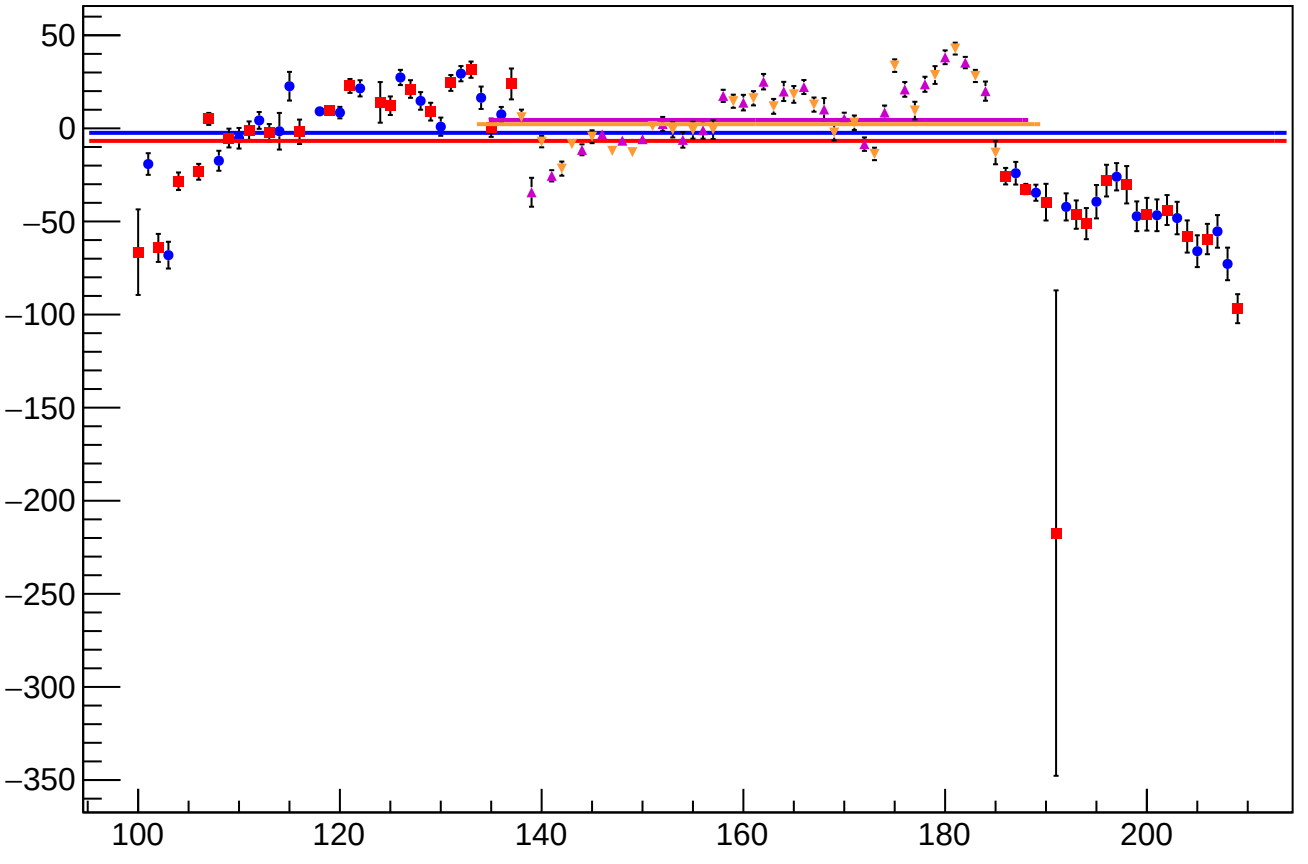
Right Out: 194.590+/-0.811 χ^2/NDF: 6144.4/31

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 189.278+/-0.639 χ^2/NDF: 5793.6/51

All: 193.306+/-0.444 χ^2/NDF: 14148.7/106

\- sign 197.074+/-0.618 χ^2/NDF: 8278.2/54



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

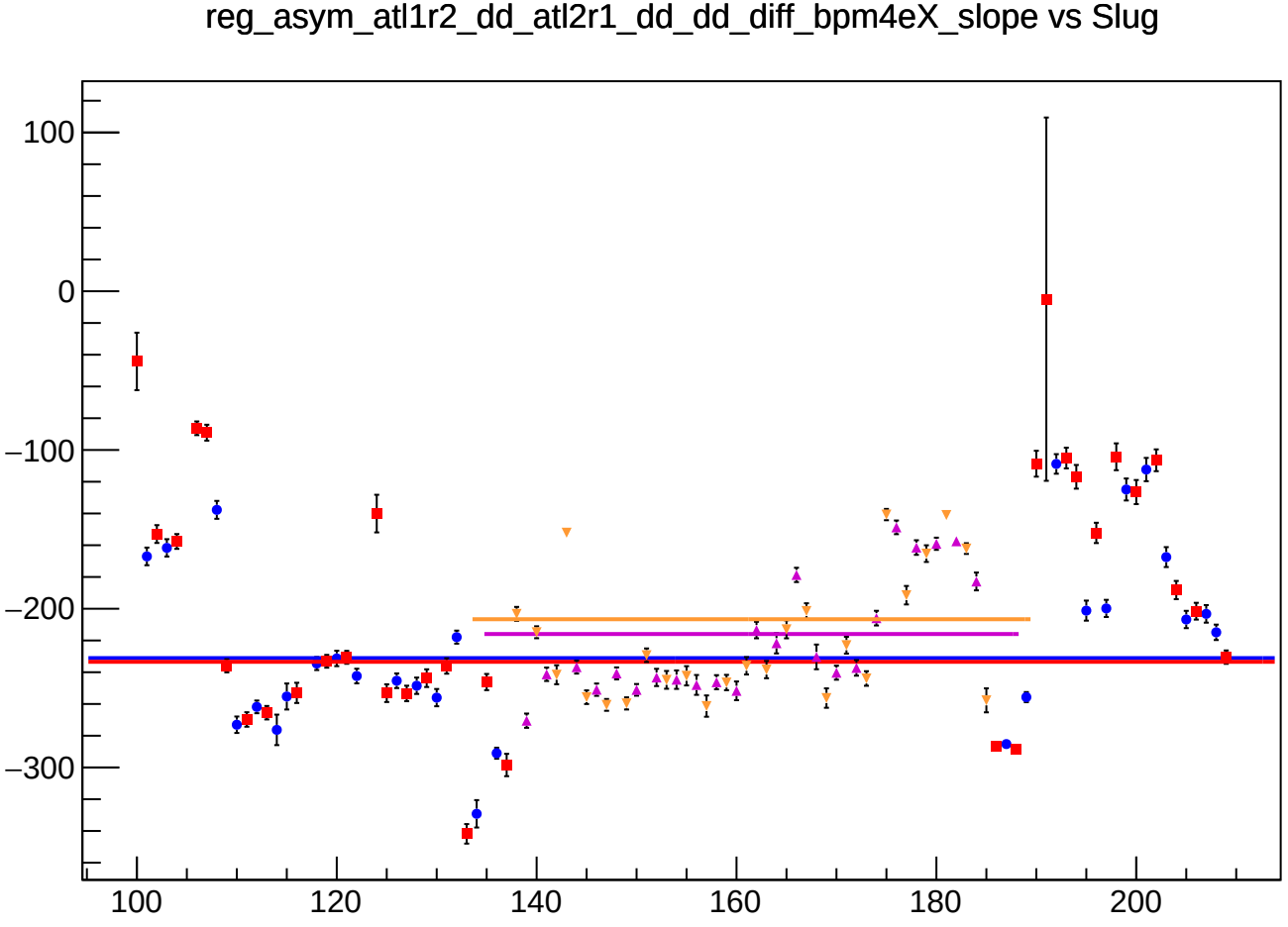
Right Out: -6.729+/-0.910 χ^2/NDF: 869.5/31

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.800+/-0.552 χ^2/NDF: 1303.3/51

All: 0.519+/-0.394 χ^2/NDF: 2814.9/106

- sign 0.228+/-0.562 χ^2/NDF: 1511.1/54



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

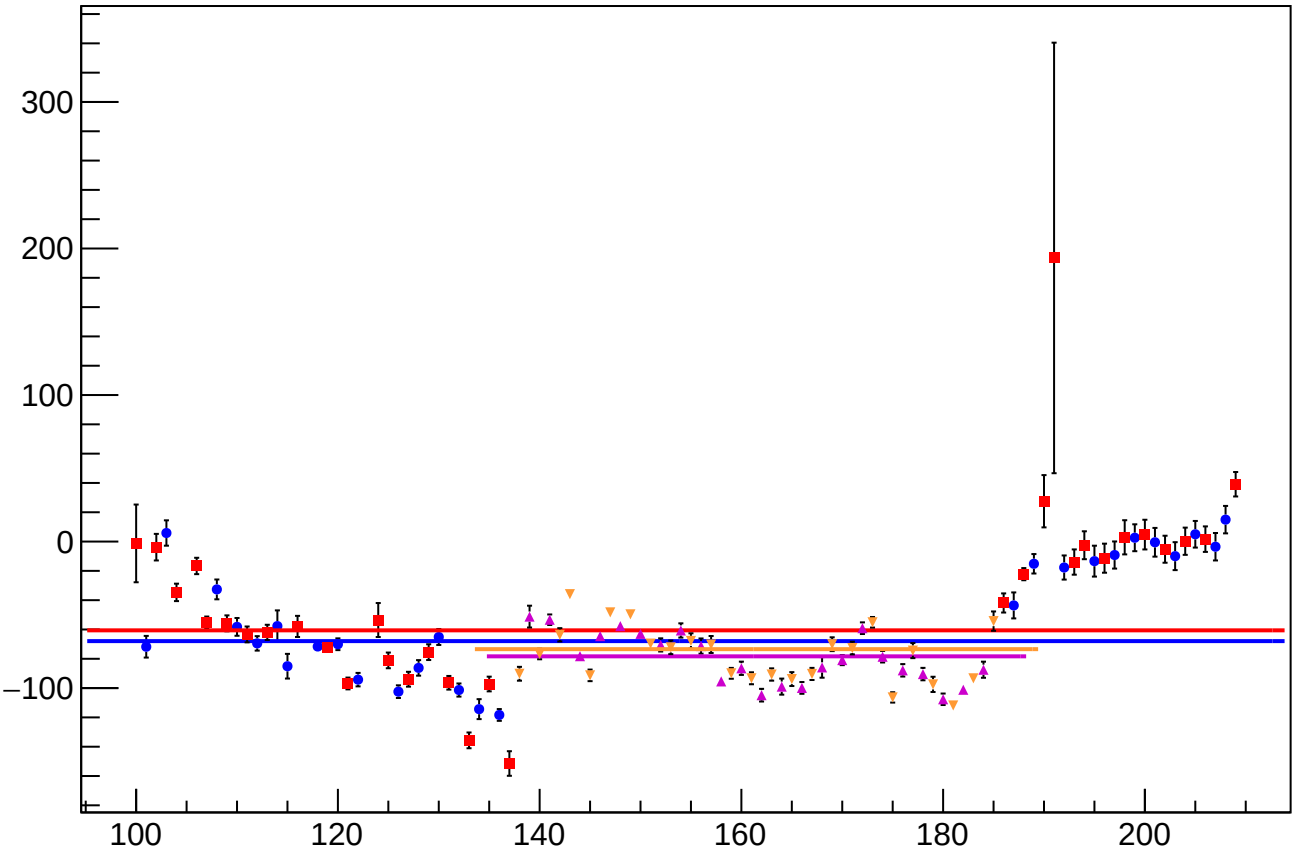
Right Out: -233.427+/-0.817 χ^2/NDF: 6659.8/31

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.127+/-0.651 χ^2/NDF: 5503.0/51

All: -222.243+/-0.449 χ^2/NDF: 14146.4/106

- sign -225.954+/-0.618 χ^2/NDF: 8567.4/54



Right In: -67.939+/-1.160 χ^2/NDF: 985.5/26

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

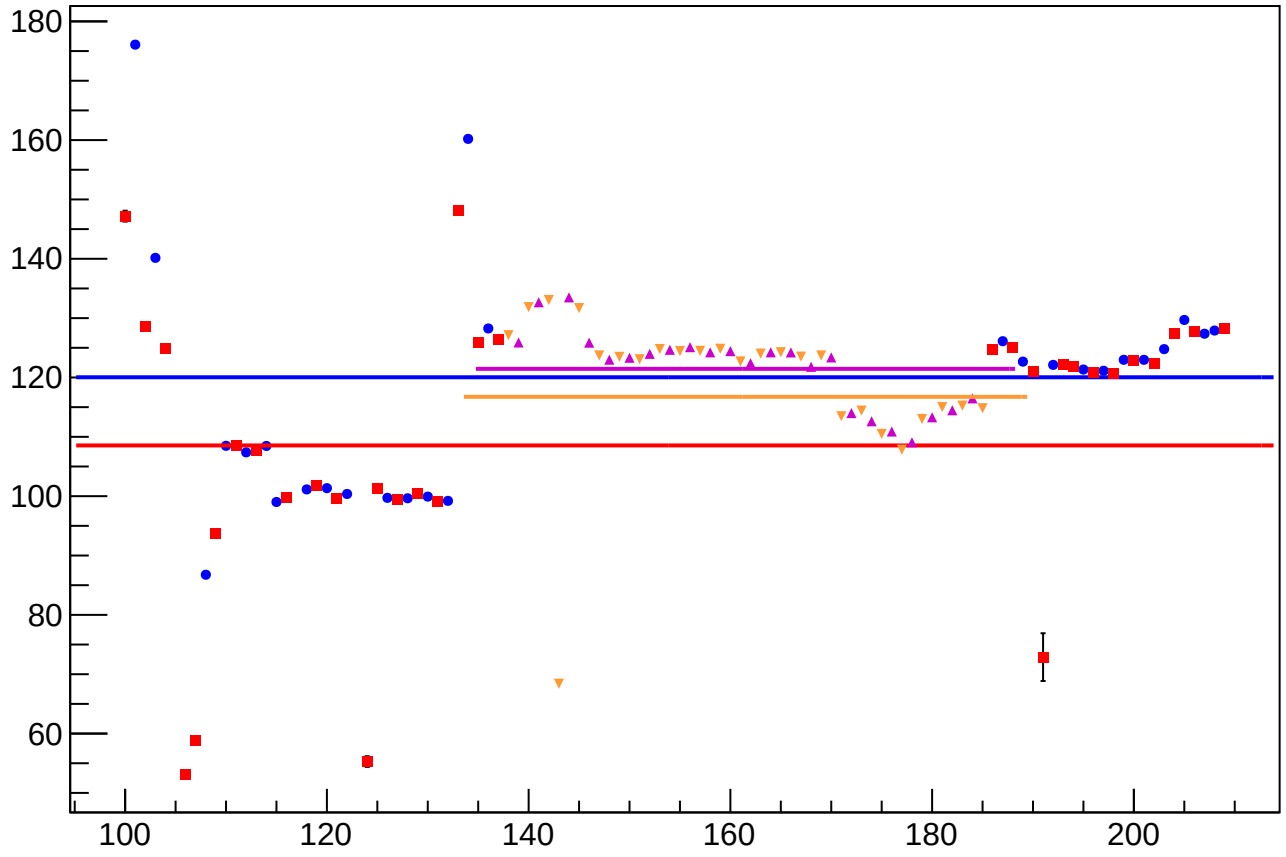
Right Out: -60.588+/-1.086 χ^2/NDF: 1267.2/31

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -71.757+/-0.640 χ^2/NDF: 1837.6/51

All: -71.833+/-0.457 χ^2/NDF: 3718.5/106

\- sign -71.912+/-0.653 χ^2/NDF: 1880.8/54



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

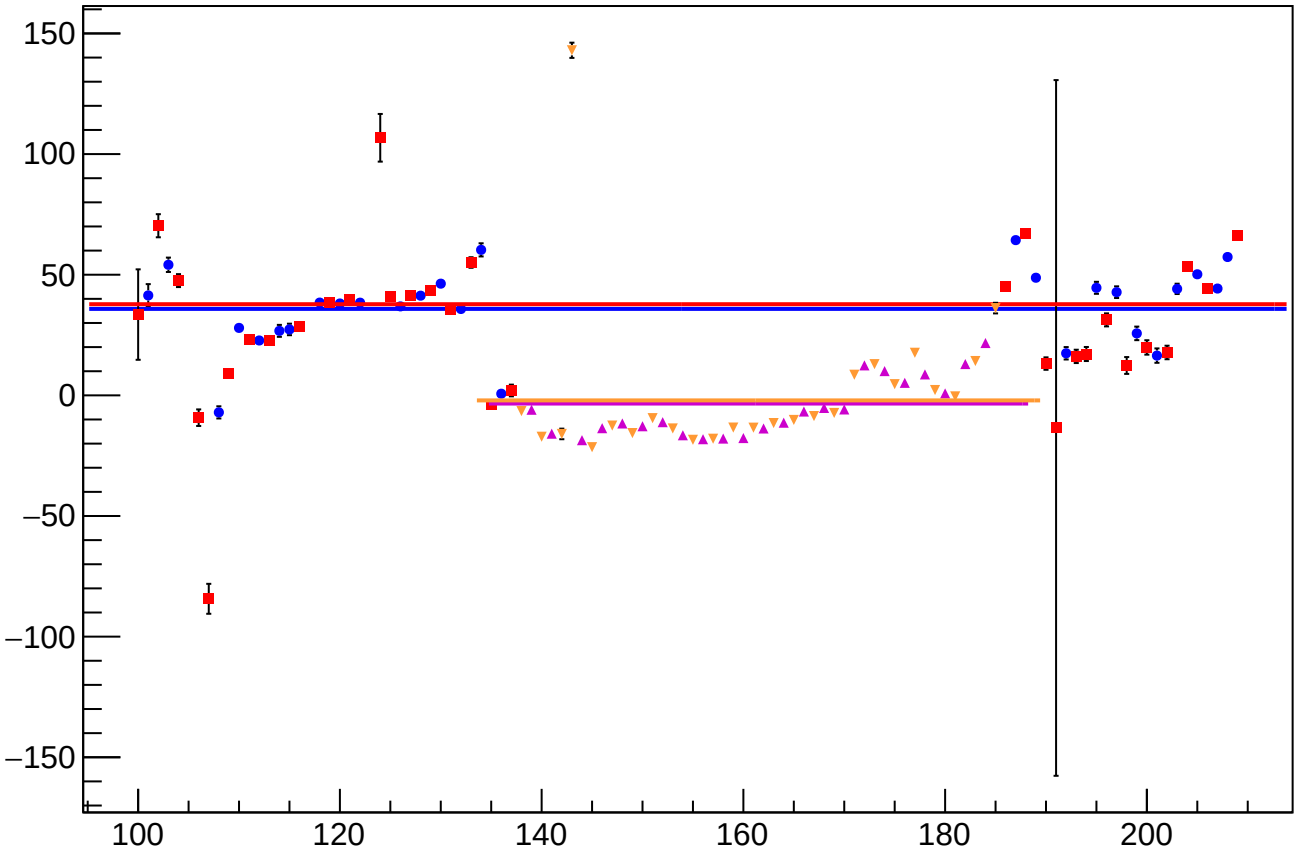
Right Out: 108.550+/-0.056 χ^2/NDF: 210385.8/31

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.581+/-0.031 χ^2/NDF: 304199.0/51

All: 117.519+/-0.022 χ^2/NDF: 580540.5/106

- sign 117.457+/-0.031 χ^2/NDF: 276333.3/54



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

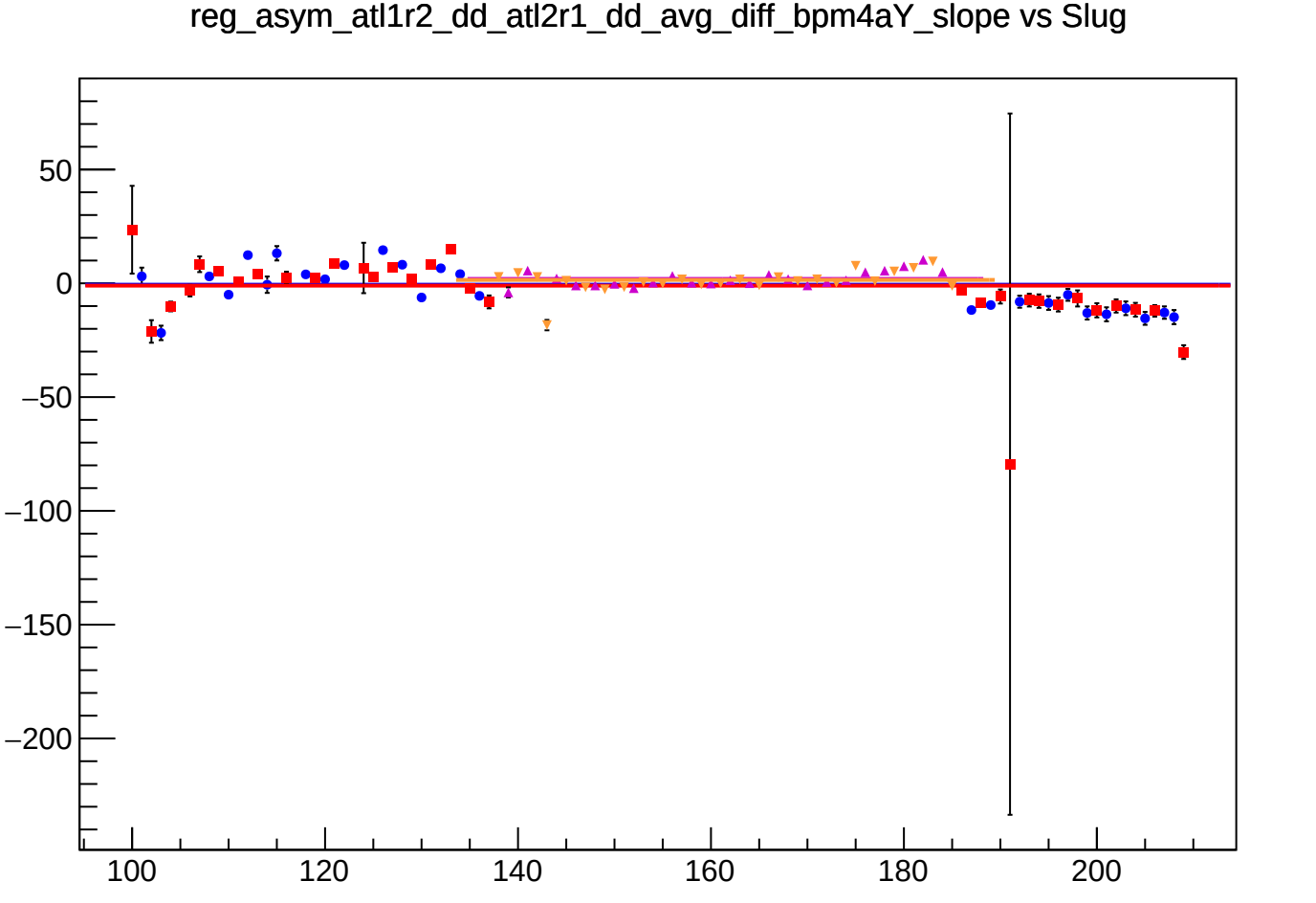
Right Out: 37.777+/-0.302 χ^2/NDF: 5036.3/31

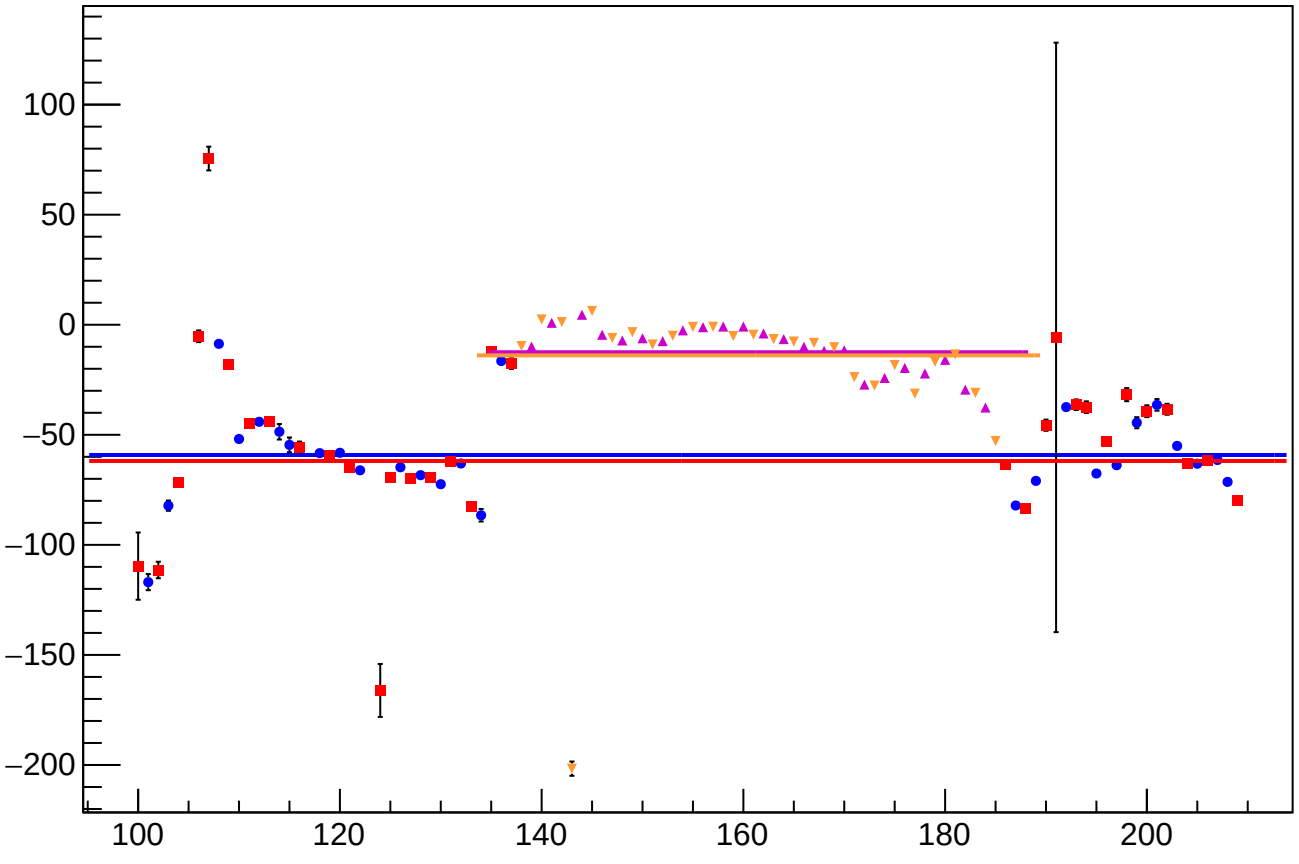
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 12.313+/-0.210 χ^2/NDF: 14428.4/51

All: 13.710+/-0.146 χ^2/NDF: 31589.0/106

- sign 14.999+/-0.202 χ^2/NDF: 17075.6/54


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -0.611+/-0.382 χ²/NDF: 511.0/26
Left Out: 1.489+/-0.205 χ²/NDF:328.6/24
Right Out: -1.025+/-0.356 χ²/NDF: 504.0/31
Left In: 1.933+/-0.210 χ²/NDF:240.7/22
+ sign 1.019+/-0.181 χ²/NDF: 863.1/51
All: 1.092+/-0.128 χ²/NDF: 1659.3/106
- sign 1.166+/-0.181 χ²/NDF: 795.9/54



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.883+/-0.298 χ^2/NDF: 5591.2/31

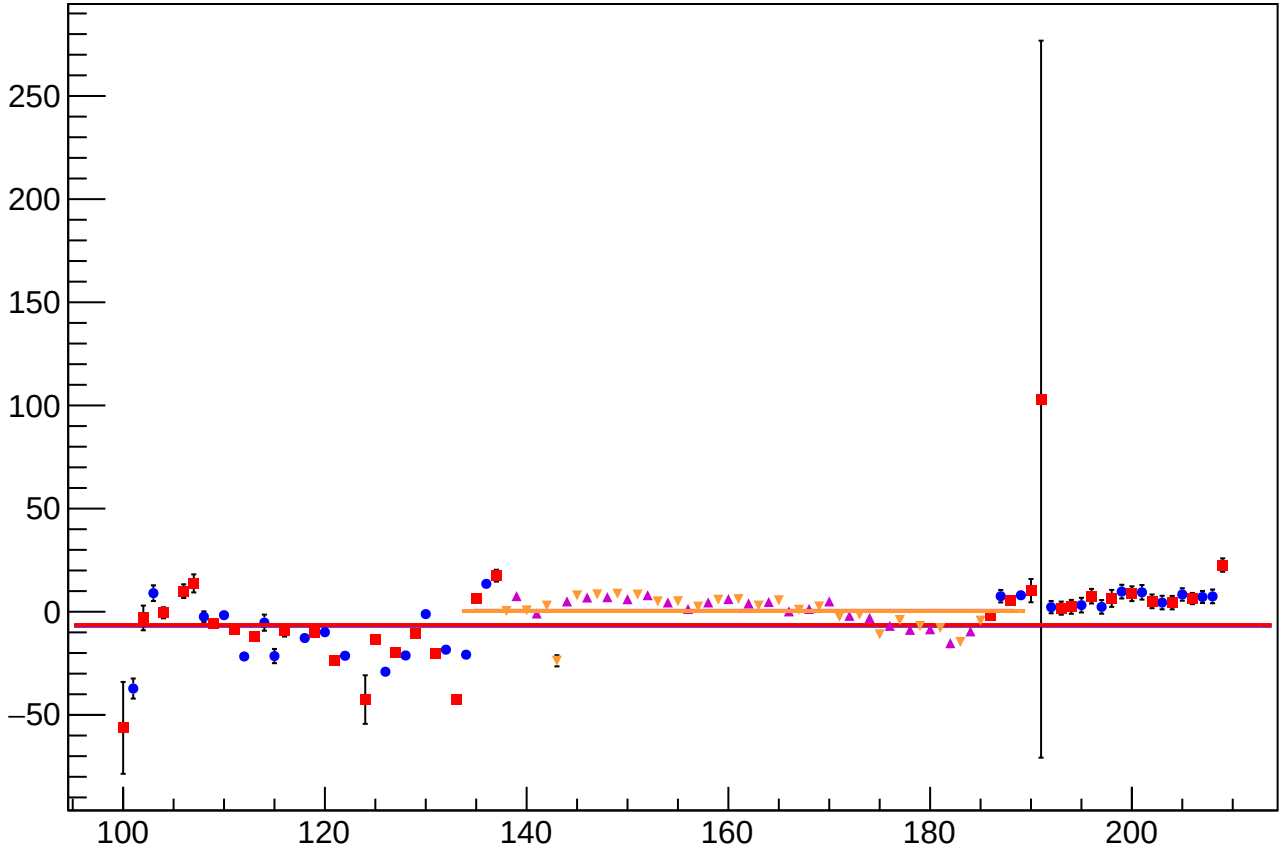
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -30.227+/-0.212 χ^2/NDF: 19055.0/51

All: -32.581+/-0.145 χ^2/NDF: 41480.1/106

- sign -34.671+/-0.199 χ^2/NDF: 22191.7/54

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

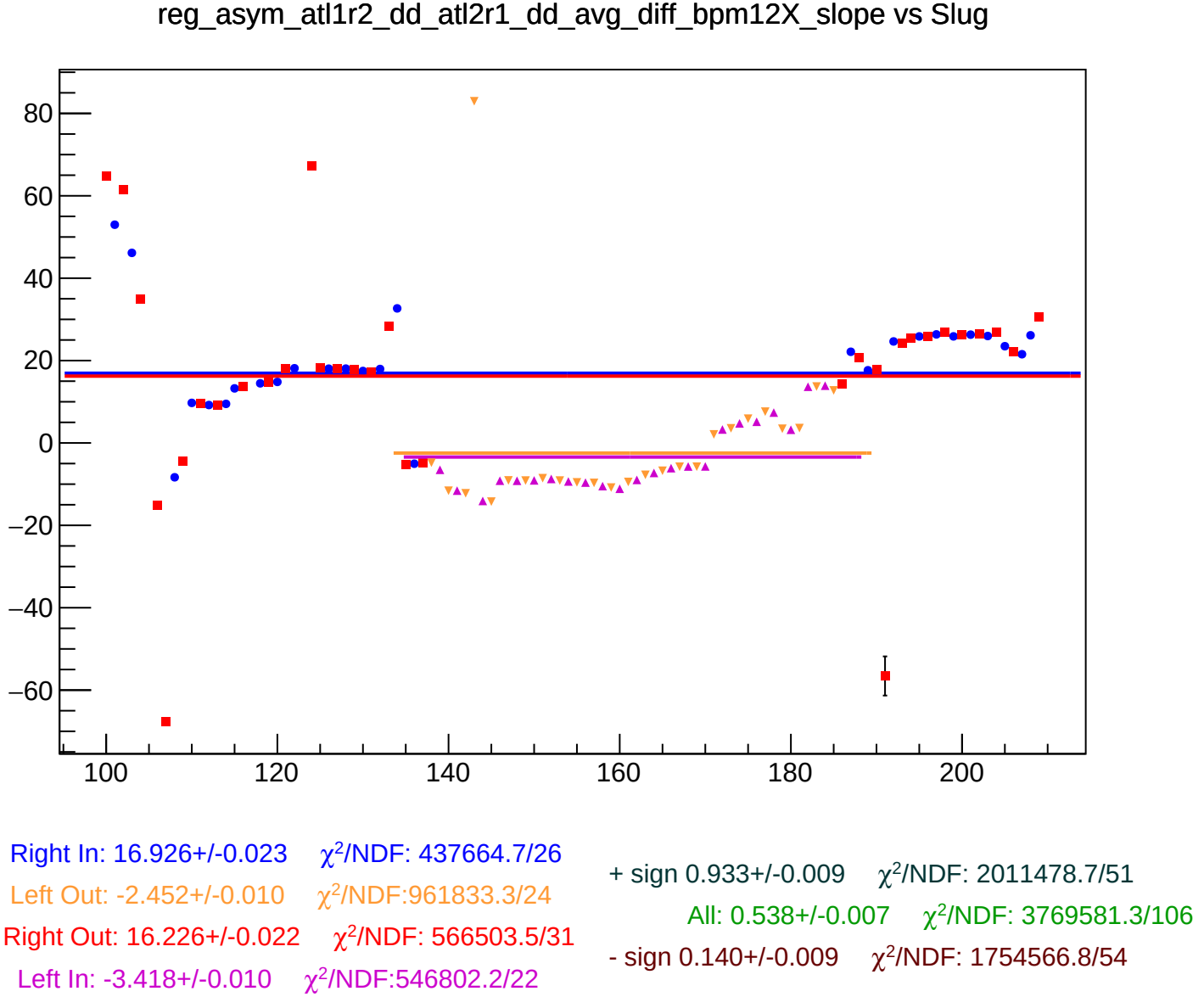
Right Out: -6.444+/-0.427 χ^2/NDF: 1021.1/31

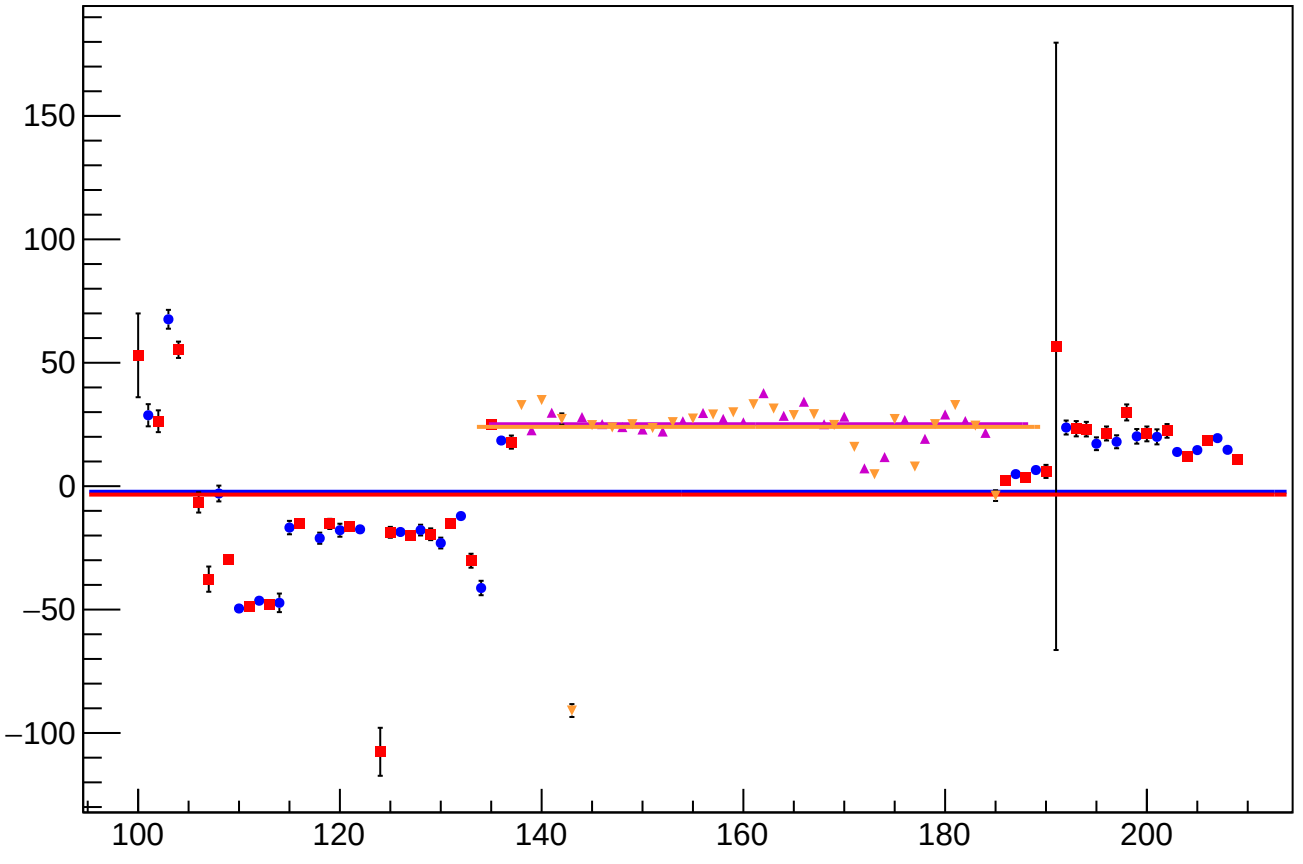
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.172+/-0.205 χ^2/NDF: 2060.1/51

All: -1.177+/-0.146 χ^2/NDF: 4061.5/106

- sign -1.181+/-0.207 χ^2/NDF: 2001.4/54


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 16.926+/-0.023 χ²/NDF: 437664.7/26
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 16.226+/-0.022 χ²/NDF: 566503.5/31
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign 0.933+/-0.009 χ²/NDF: 2011478.7/51
All: 0.538+/-0.007 χ²/NDF: 3769581.3/106
- sign 0.140+/-0.009 χ²/NDF: 1754566.8/54



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -3.414+/-0.373 χ^2/NDF: 3829.4/31

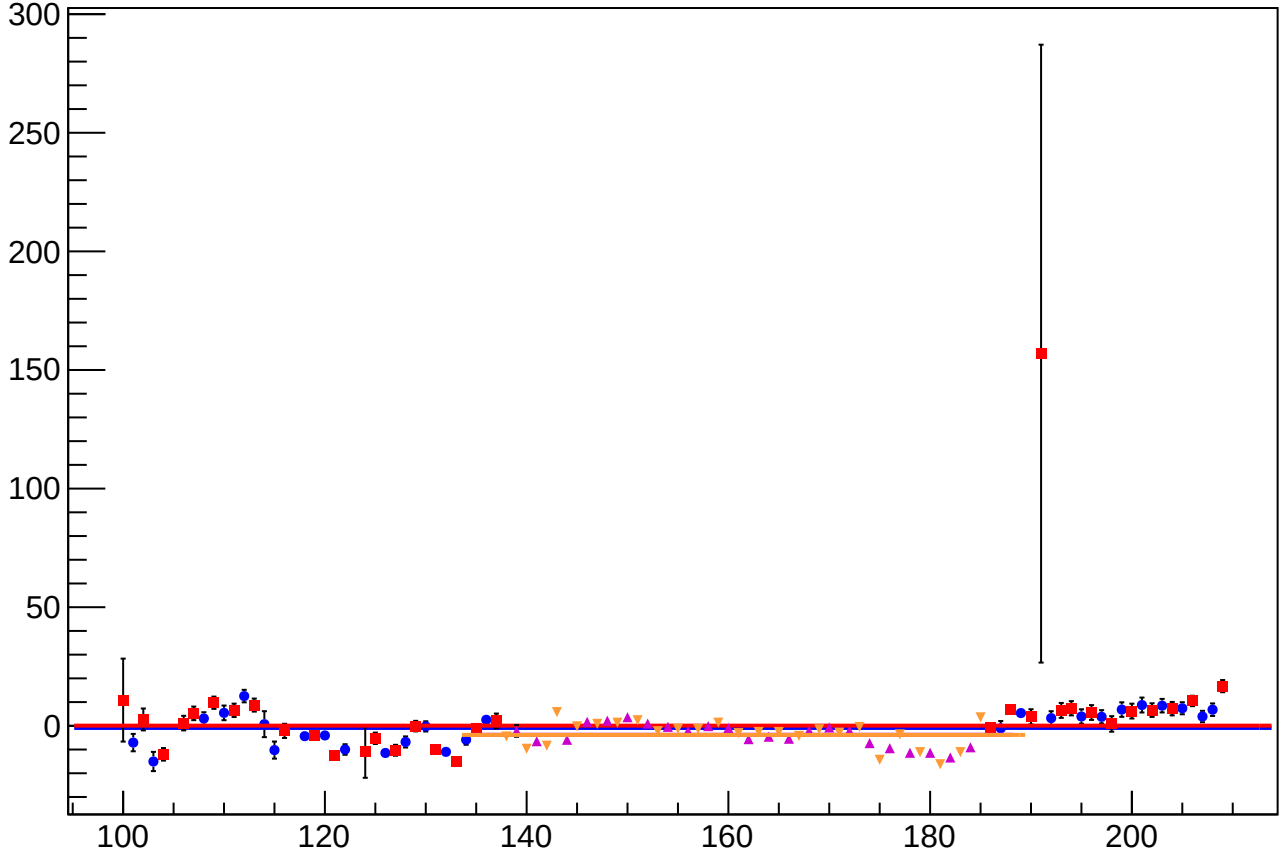
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.410+/-0.231 χ^2/NDF: 9209.7/51

All: 14.930+/-0.162 χ^2/NDF: 17213.6/106

- sign 14.466+/-0.227 χ^2/NDF: 7995.4/54

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

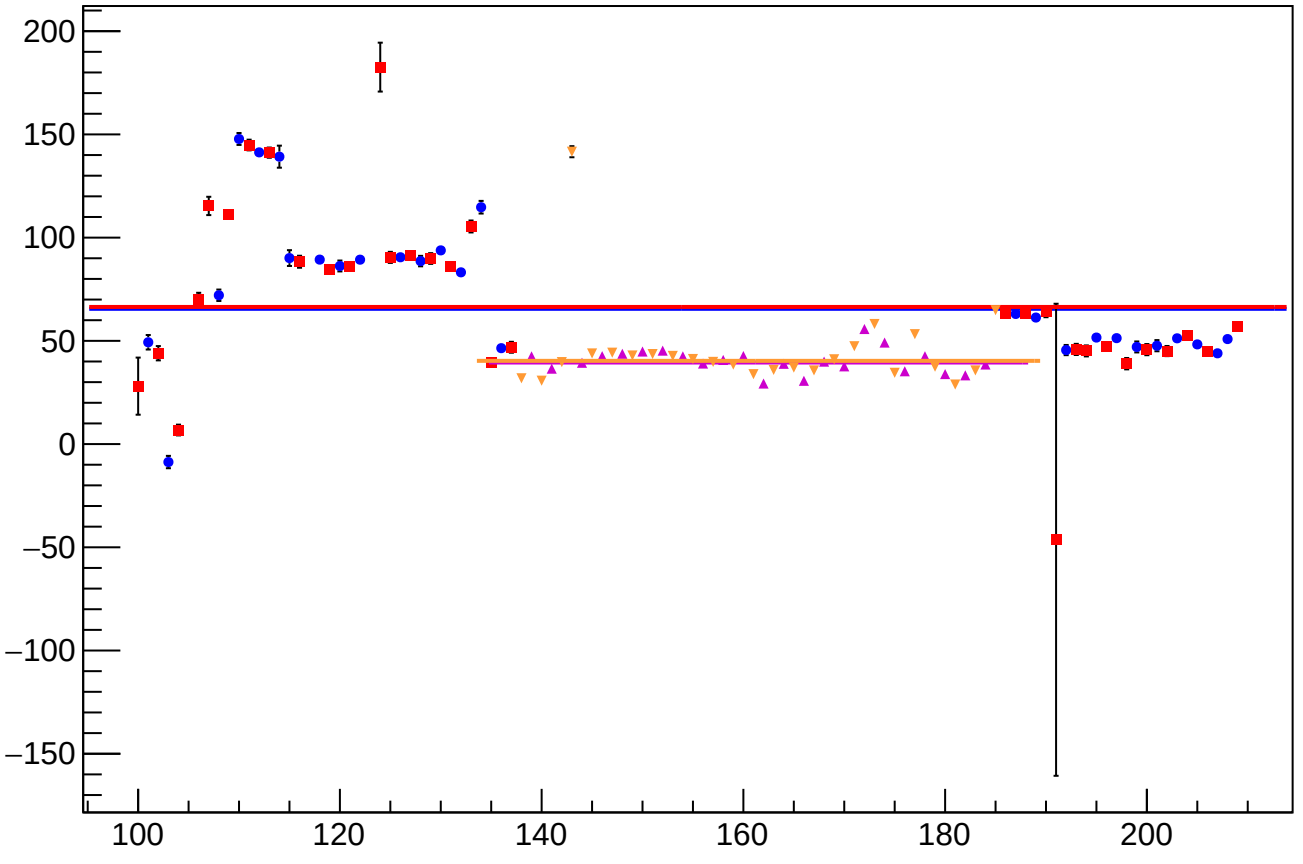
Right Out: 0.069+/-0.438 χ^2/NDF: 325.8/31

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.301+/-0.197 χ^2/NDF: 898.4/51

All: -3.144+/-0.140 χ^2/NDF: 1796.6/106

- sign -2.983+/-0.199 χ^2/NDF: 897.0/54



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

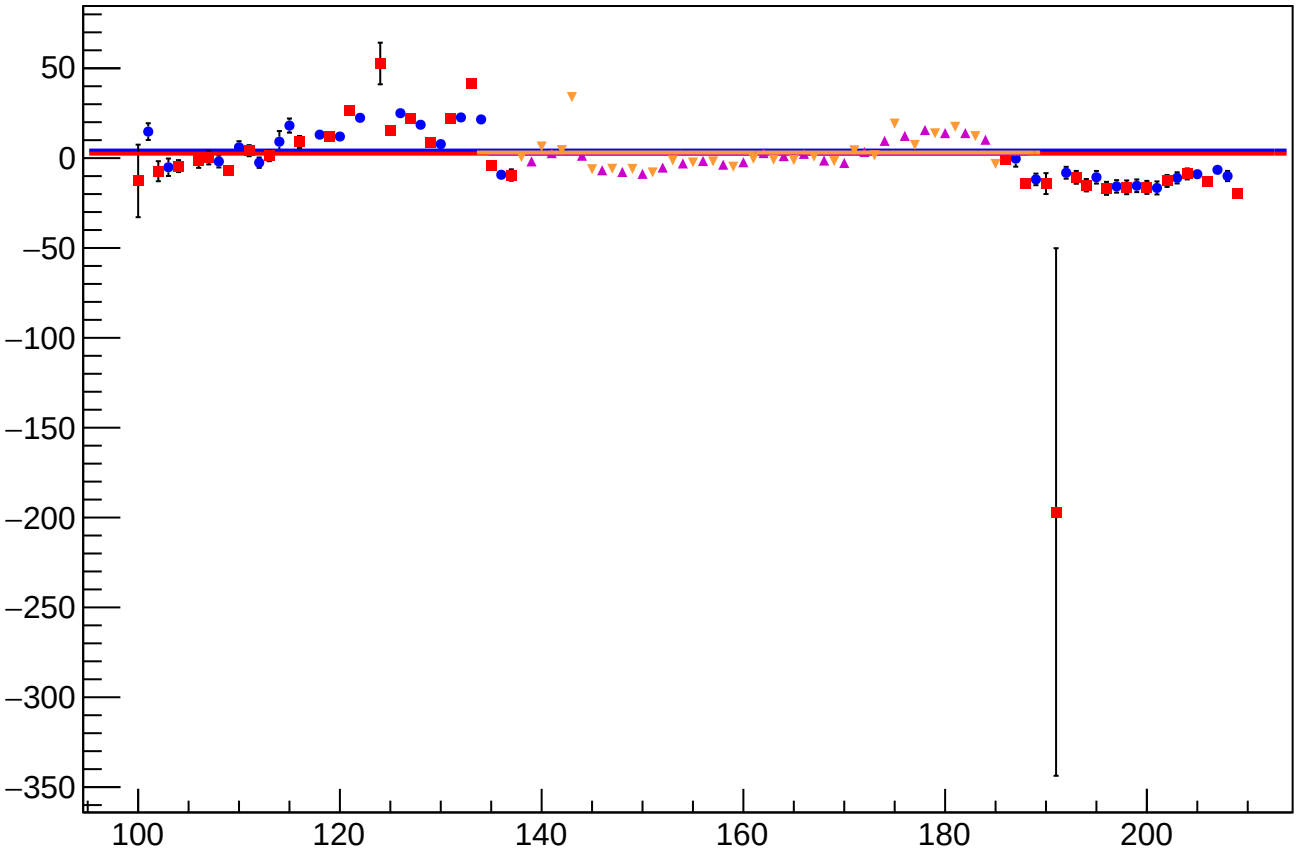
Right Out: 66.421+/-0.370 χ^2/NDF: 4799.8/31

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.252+/-0.232 χ^2/NDF: 9335.6/51

All: 48.908+/-0.162 χ^2/NDF: 17911.6/106

\- sign 49.529+/-0.226 χ^2/NDF: 8560.5/54



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

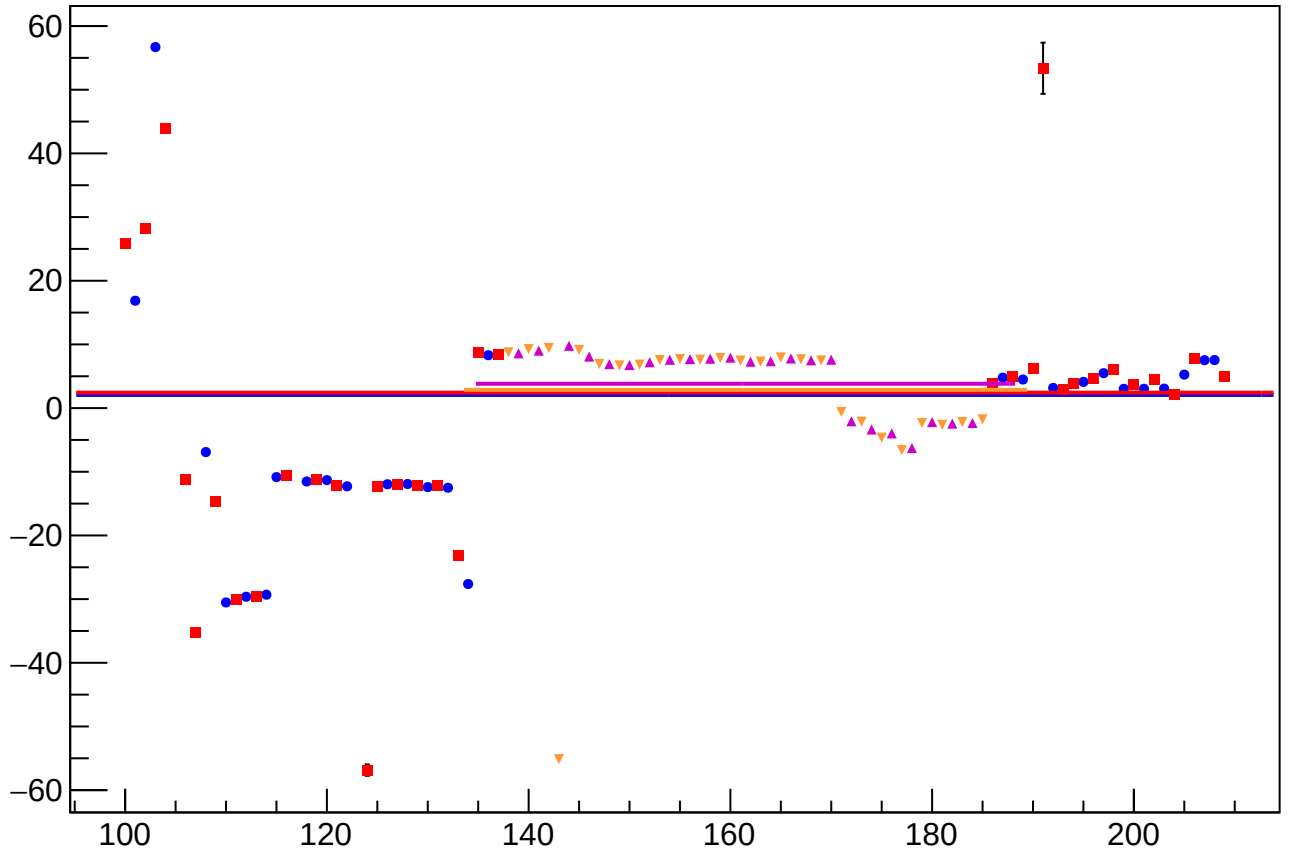
Right Out: 2.493+/-0.515 χ^2/NDF: 959.9/31

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.333+/-0.222 χ^2/NDF: 1971.5/51

All: 2.929+/-0.158 χ^2/NDF: 3906.2/106

- sign 2.514+/-0.226 χ^2/NDF: 1928.0/54



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.425+/-0.025 χ^2/NDF: 330590.4/31

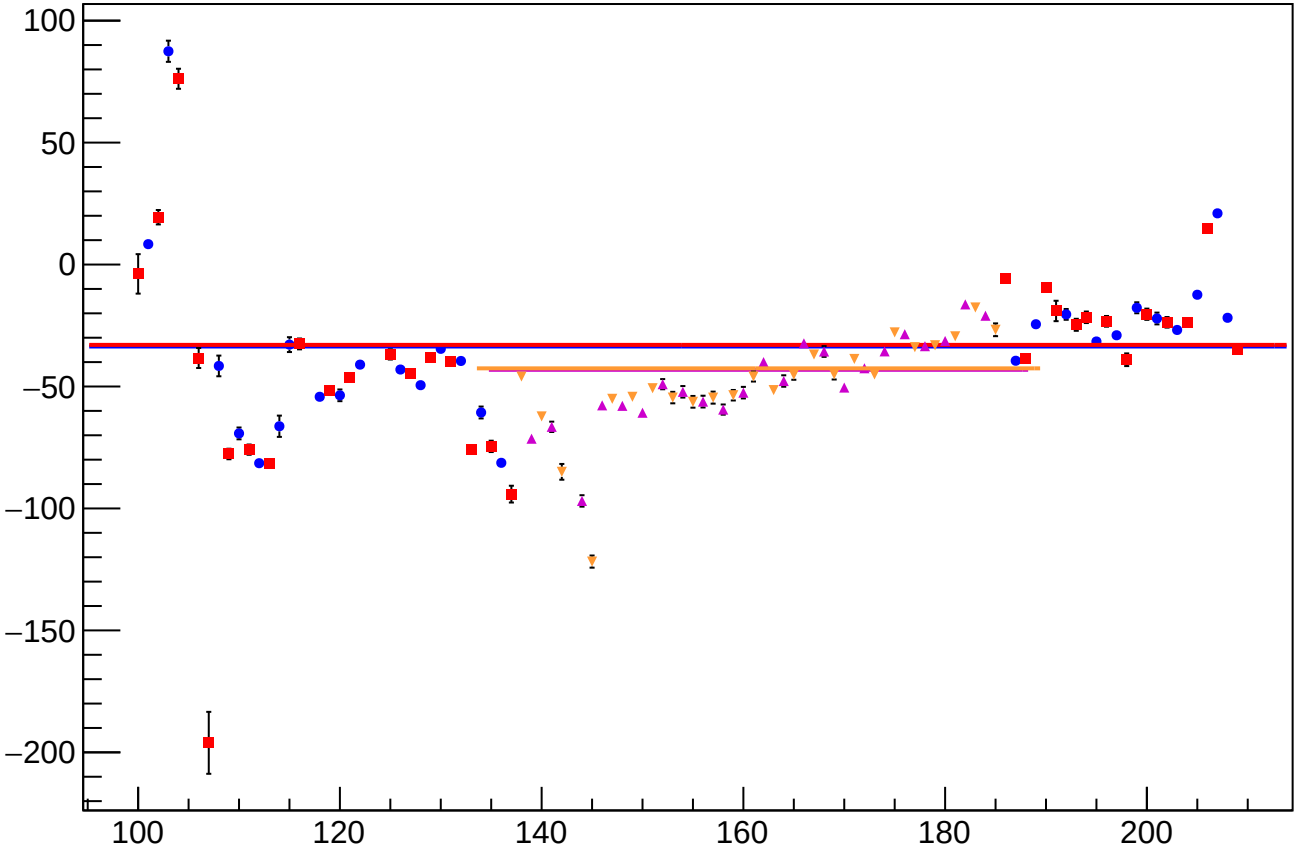
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.739+/-0.010 χ^2/NDF: 895552.2/51

All: 3.161+/-0.007 χ^2/NDF: 1465602.9/106

- sign 3.588+/-0.010 χ^2/NDF: 566503.9/54

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -33.598+/-0.373 χ^2/NDF: 4999.5/26

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.936+/-0.334 χ^2/NDF: 6233.0/30

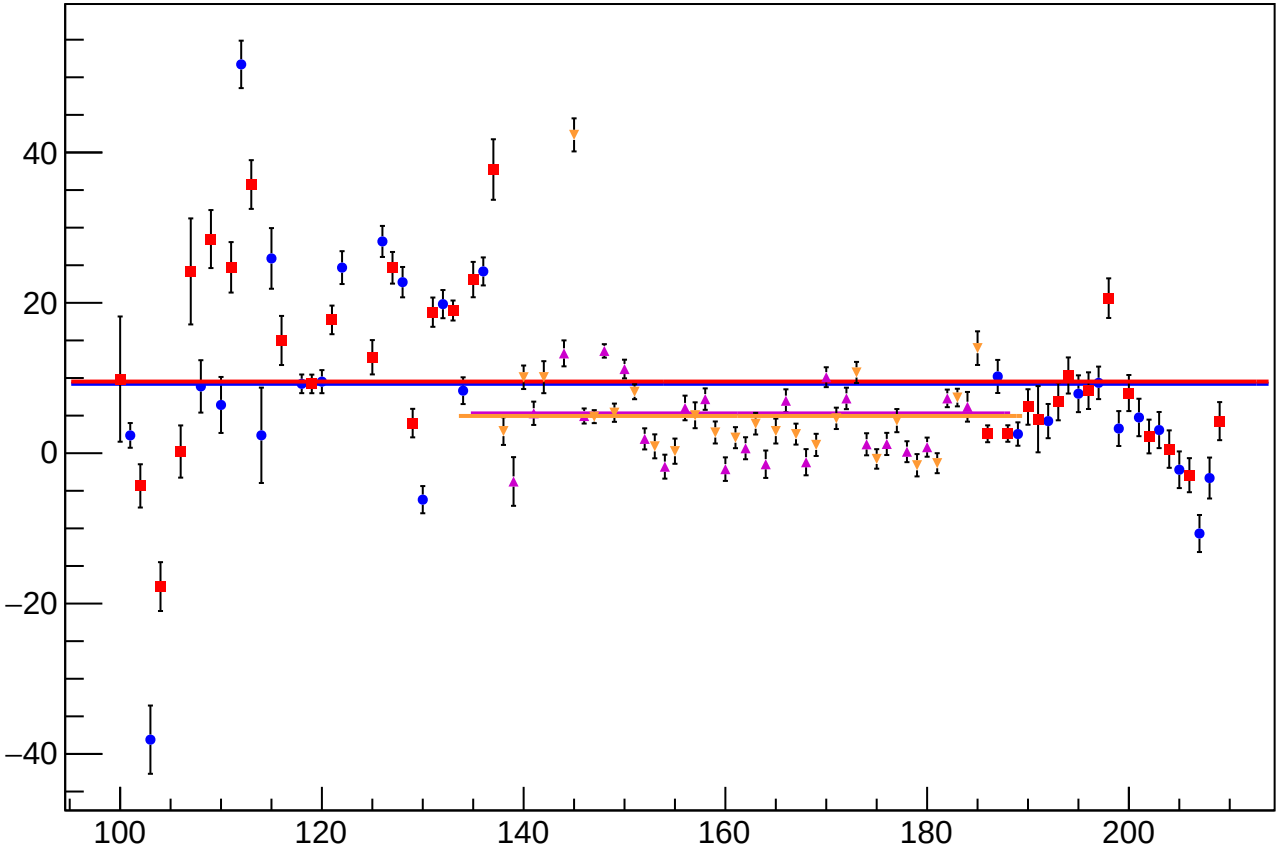
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -38.014+/-0.266 χ^2/NDF: 7610.7/50

All: -37.672+/-0.183 χ^2/NDF: 16459.5/104

\- sign -37.366+/-0.251 χ^2/NDF: 8845.7/53

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 9.230+/-0.412 χ^2/NDF: 822.9/26

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.528+/-0.385 χ^2/NDF: 613.2/30

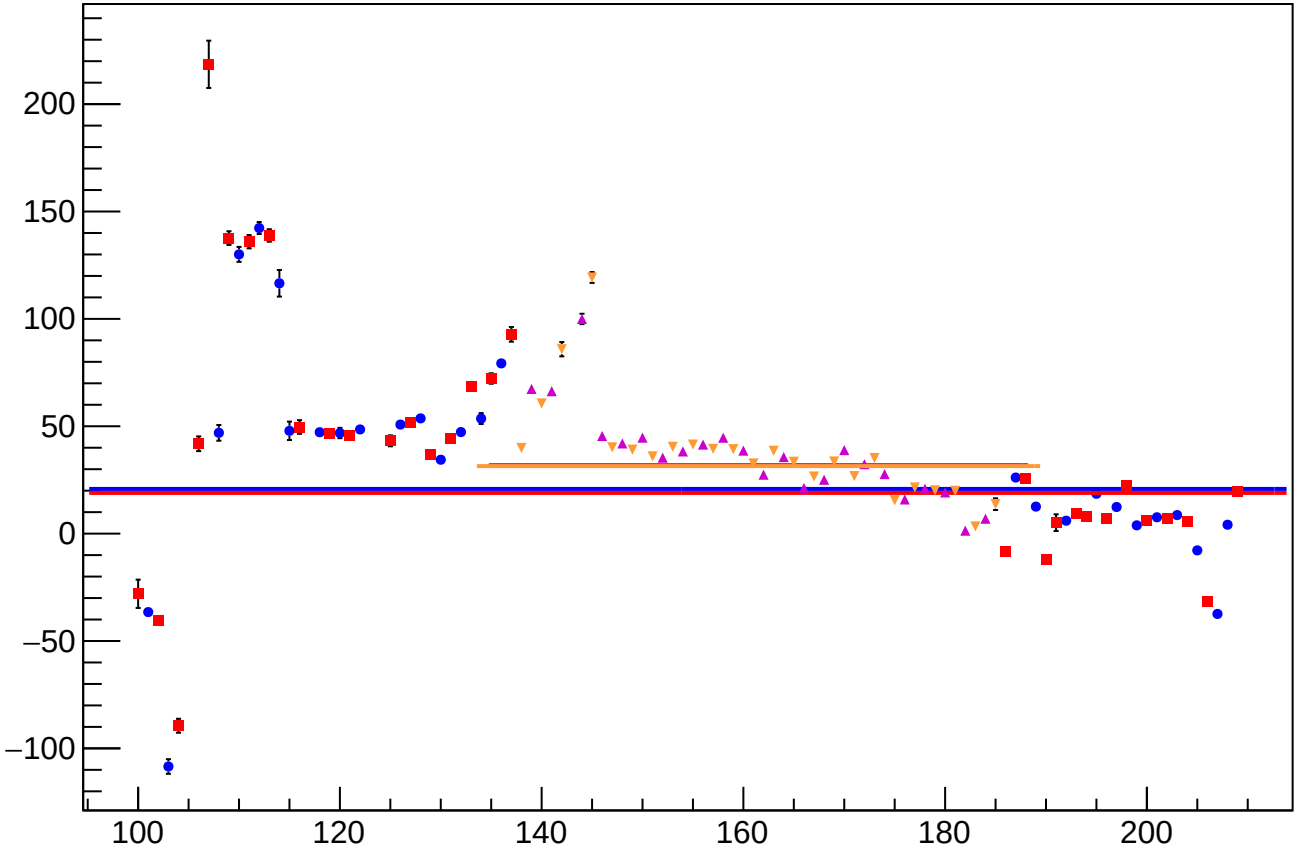
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.362+/-0.236 χ^2/NDF: 1344.3/50

All: 6.612+/-0.166 χ^2/NDF: 2322.7/104

- sign 6.857+/-0.234 χ^2/NDF: 976.1/53

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 20.819+/-0.366 χ^2/NDF: 10703.0/26

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

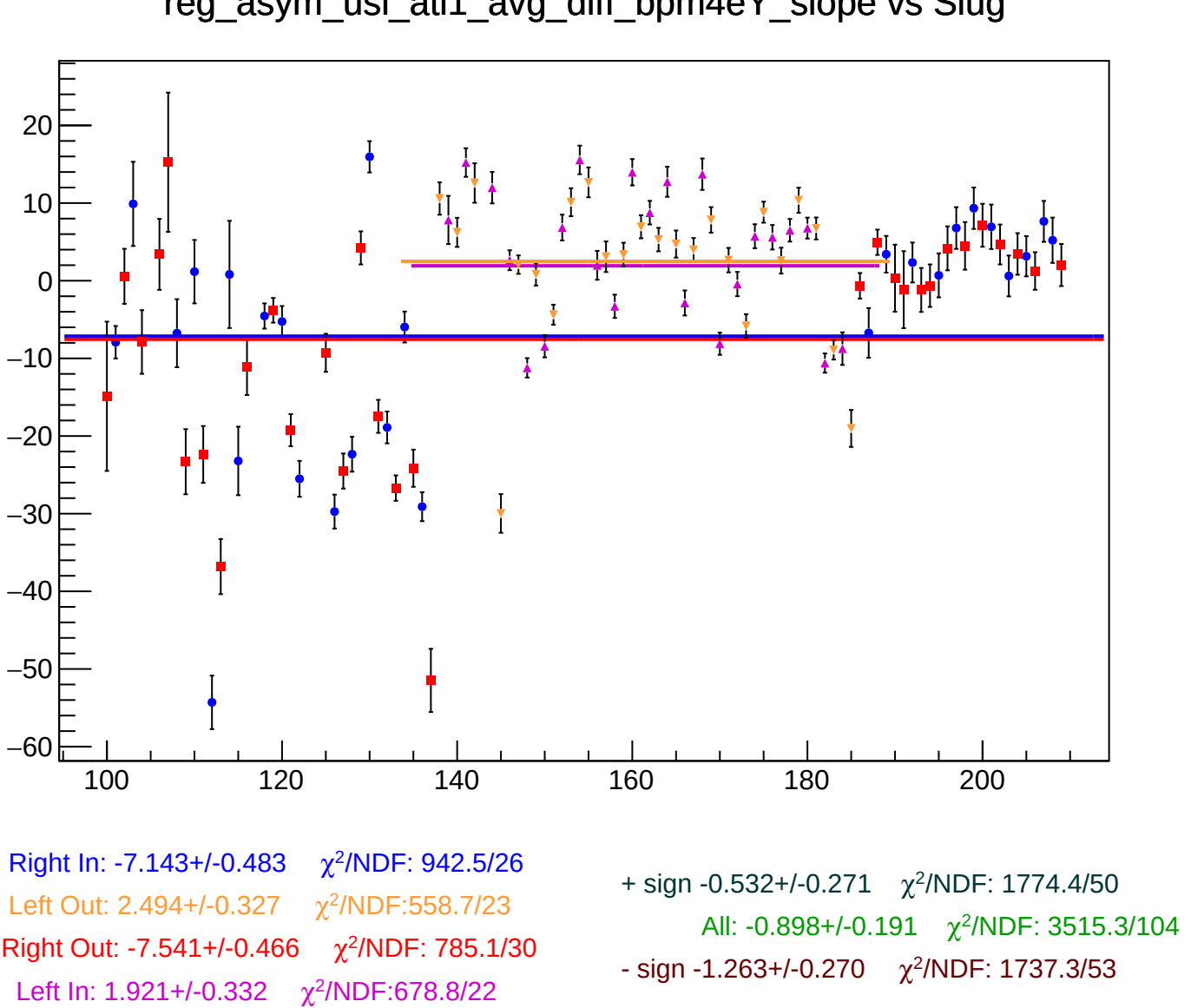
Right Out: 18.960+/-0.314 χ^2/NDF: 12566.5/30

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

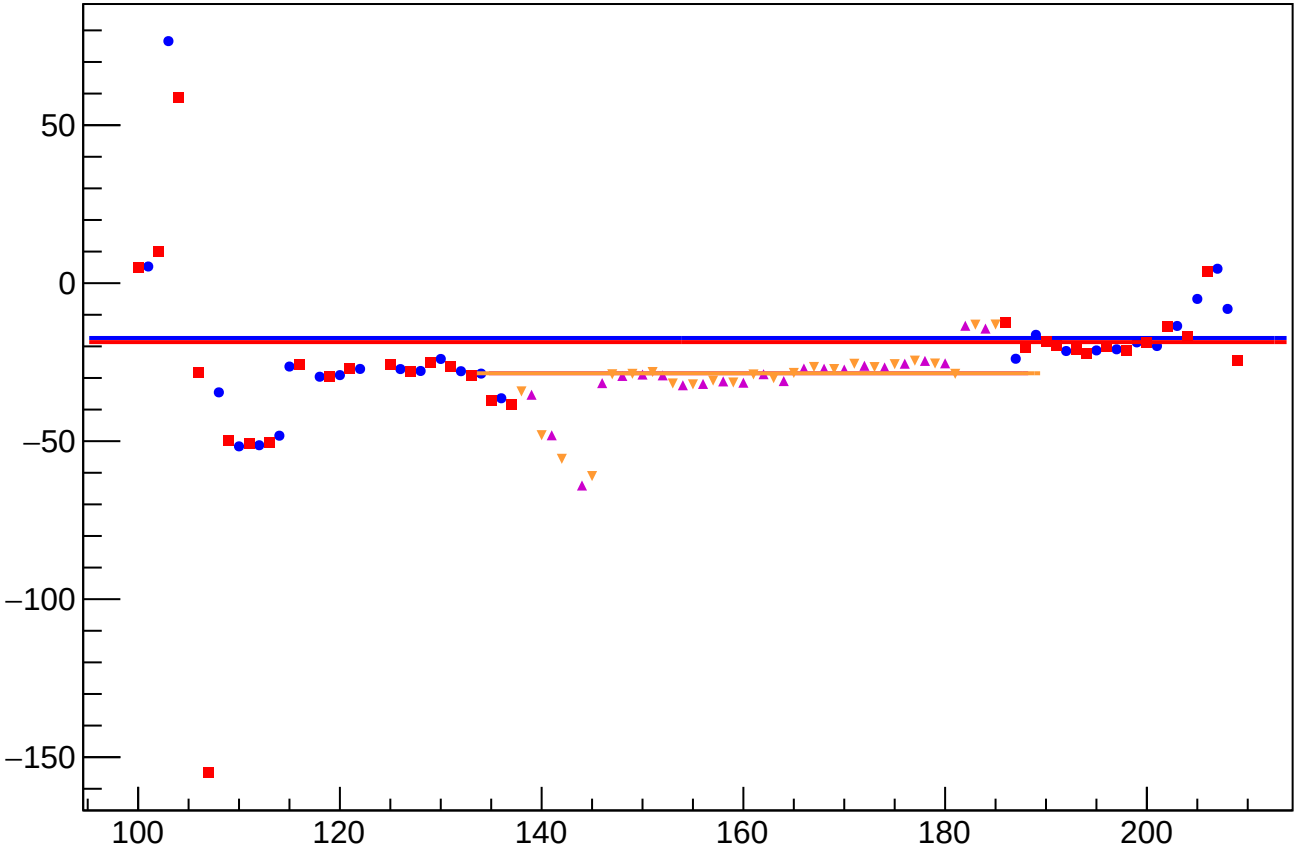
+ sign 25.998+/-0.262 χ^2/NDF: 13874.7/50

All: 25.043+/-0.178 χ^2/NDF: 29926.1/104

- sign 24.234+/-0.241 χ^2/NDF: 16026.9/53


reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug
20
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -7.143+/-0.483 χ²/NDF: 942.5/26
Left Out: 2.494+/-0.327 χ²/NDF:558.7/23
Right Out: -7.541+/-0.466 χ²/NDF: 785.1/30
Left In: 1.921+/-0.332 χ²/NDF:678.8/22
+ sign -0.532+/-0.271 χ²/NDF: 1774.4/50
All: -0.898+/-0.191 χ²/NDF: 3515.3/104
- sign -1.263+/-0.270 χ²/NDF: 1737.3/53

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -17.342+/-0.022 χ^2/NDF: 726504.4/26

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.650+/-0.022 χ^2/NDF: 625353.2/30

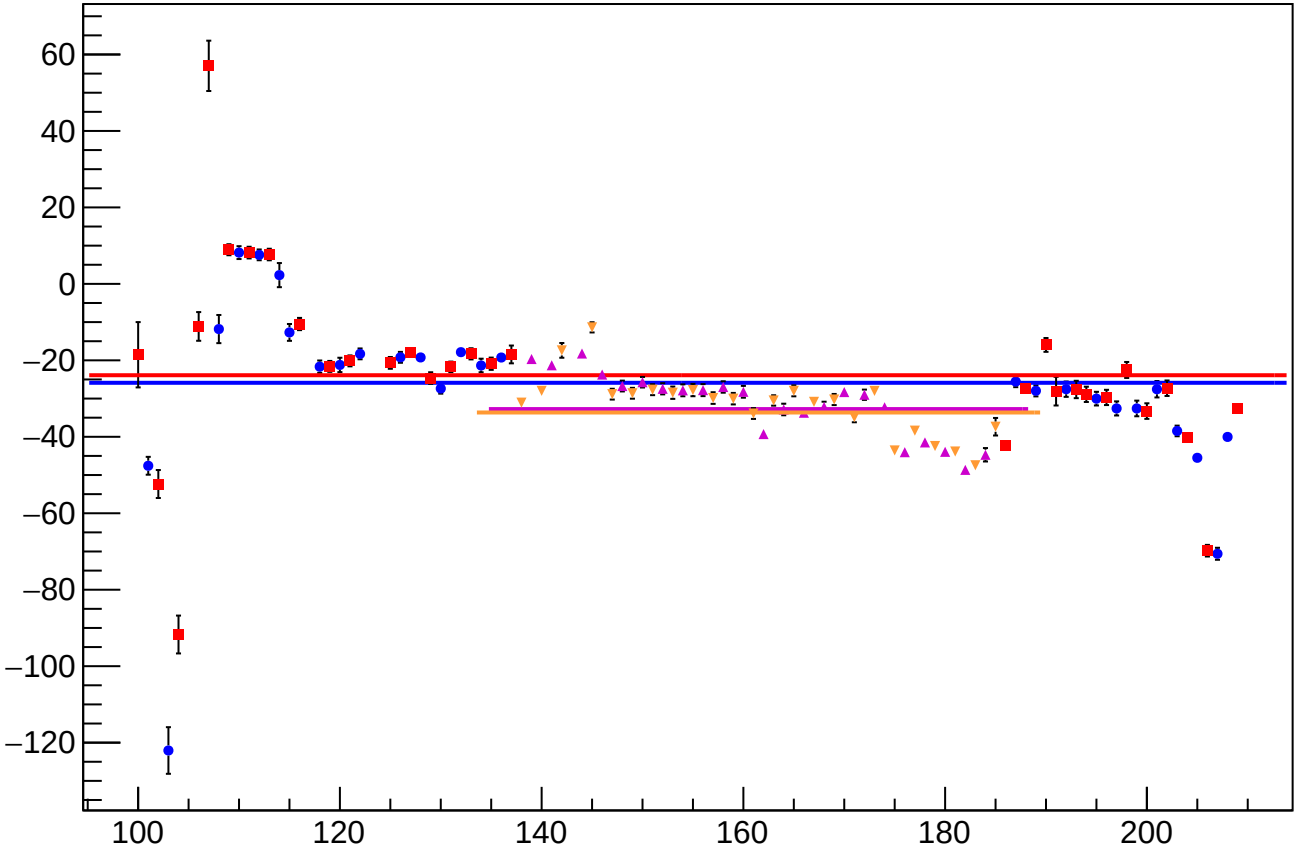
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -25.149+/-0.012 χ^2/NDF: 1232640.0/50

All: -25.260+/-0.009 χ^2/NDF: 2286326.4/104

- sign -25.368+/-0.012 χ^2/NDF: 1053528.8/53

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -25.874+/-0.306 χ^2/NDF: 2953.2/26

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -23.894+/-0.289 χ^2/NDF: 3389.6/30

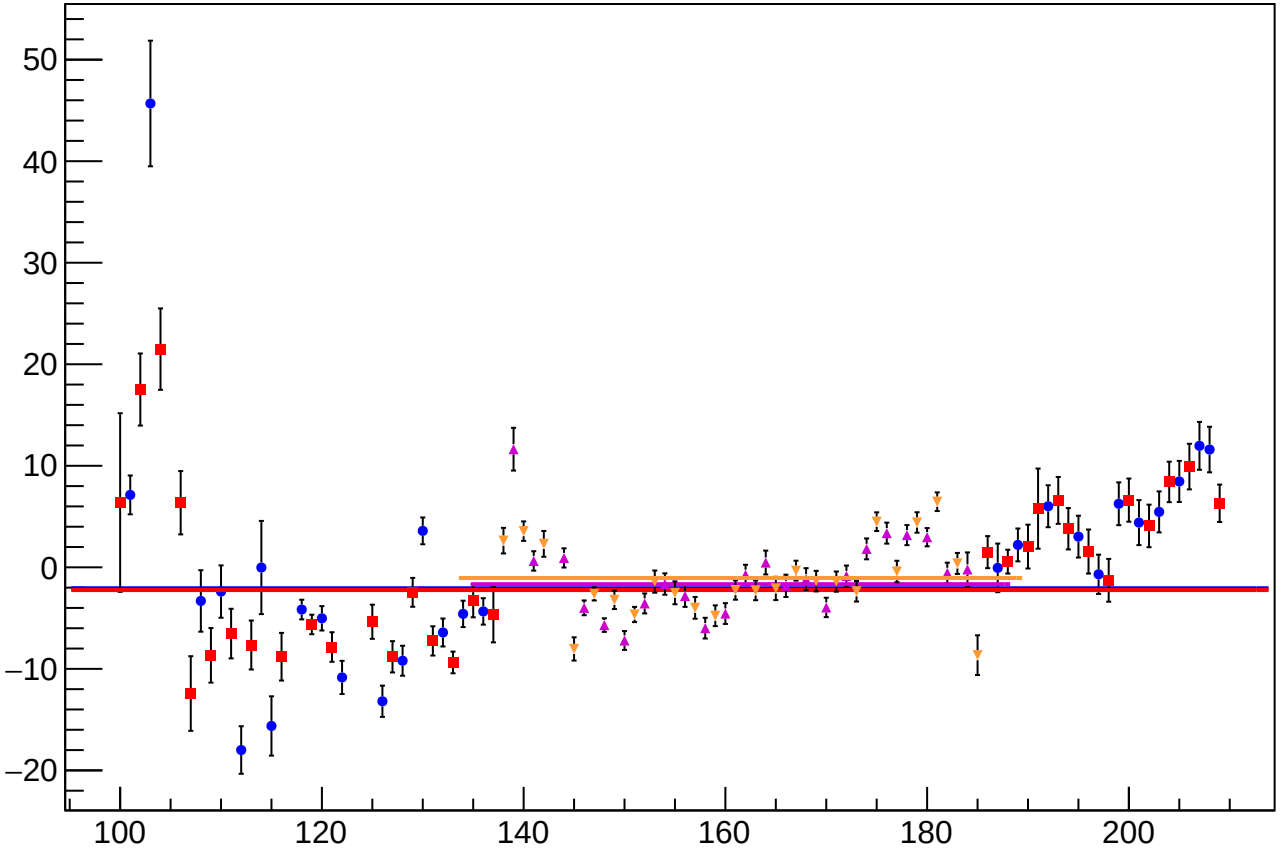
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -30.310+/-0.200 χ^2/NDF: 4337.5/50

All: -29.466+/-0.140 χ^2/NDF: 9408.6/104

\- sign -28.652+/-0.197 χ^2/NDF: 5036.3/53

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.061+/-0.337 χ^2/NDF: 468.6/26

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.240+/-0.331 χ^2/NDF: 362.5/30

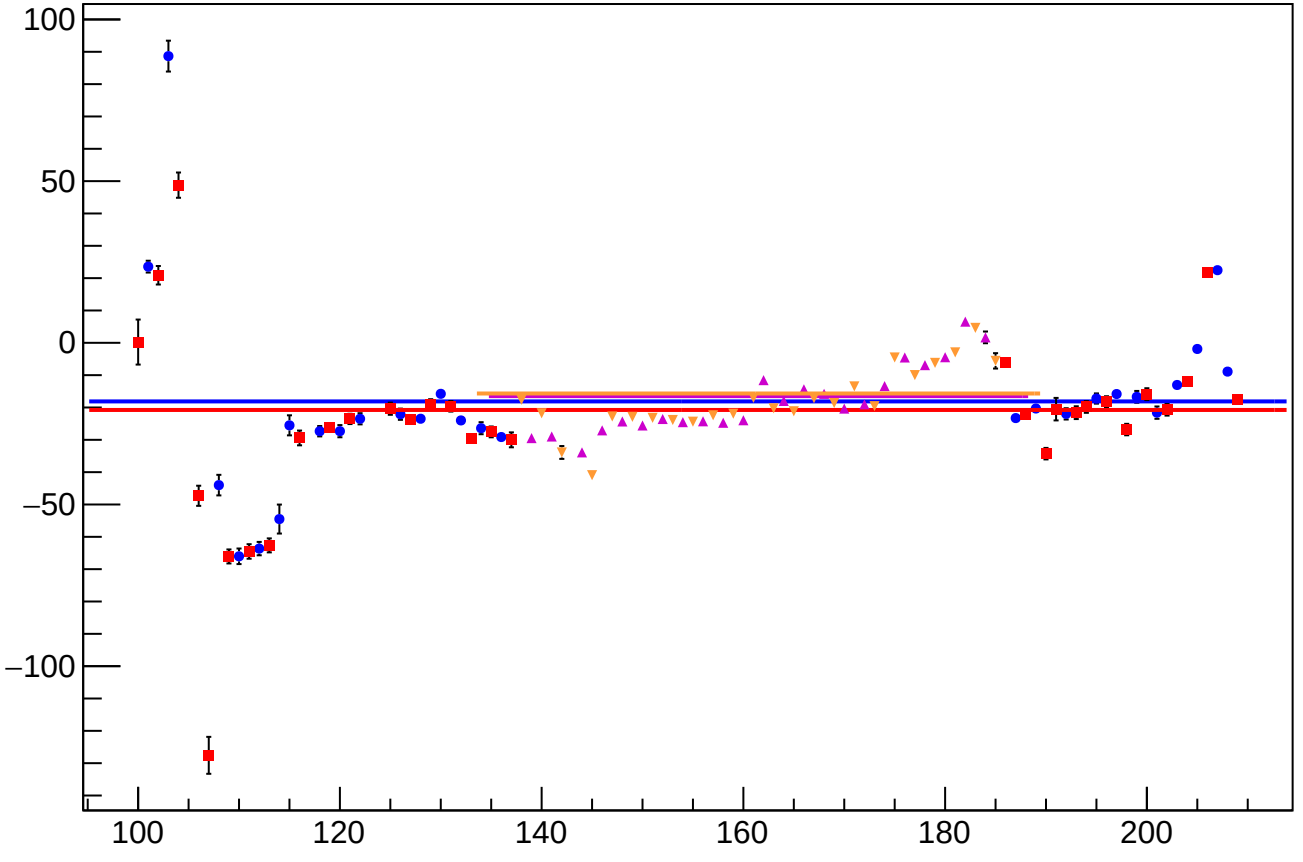
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.319+/-0.174 χ^2/NDF: 764.7/50

All: -1.568+/-0.123 χ^2/NDF: 1397.9/104

- sign -1.822+/-0.175 χ^2/NDF: 629.1/53

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -18.121+/-0.314 χ^2/NDF: 3259.7/26

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -20.765+/-0.290 χ^2/NDF: 3465.8/30

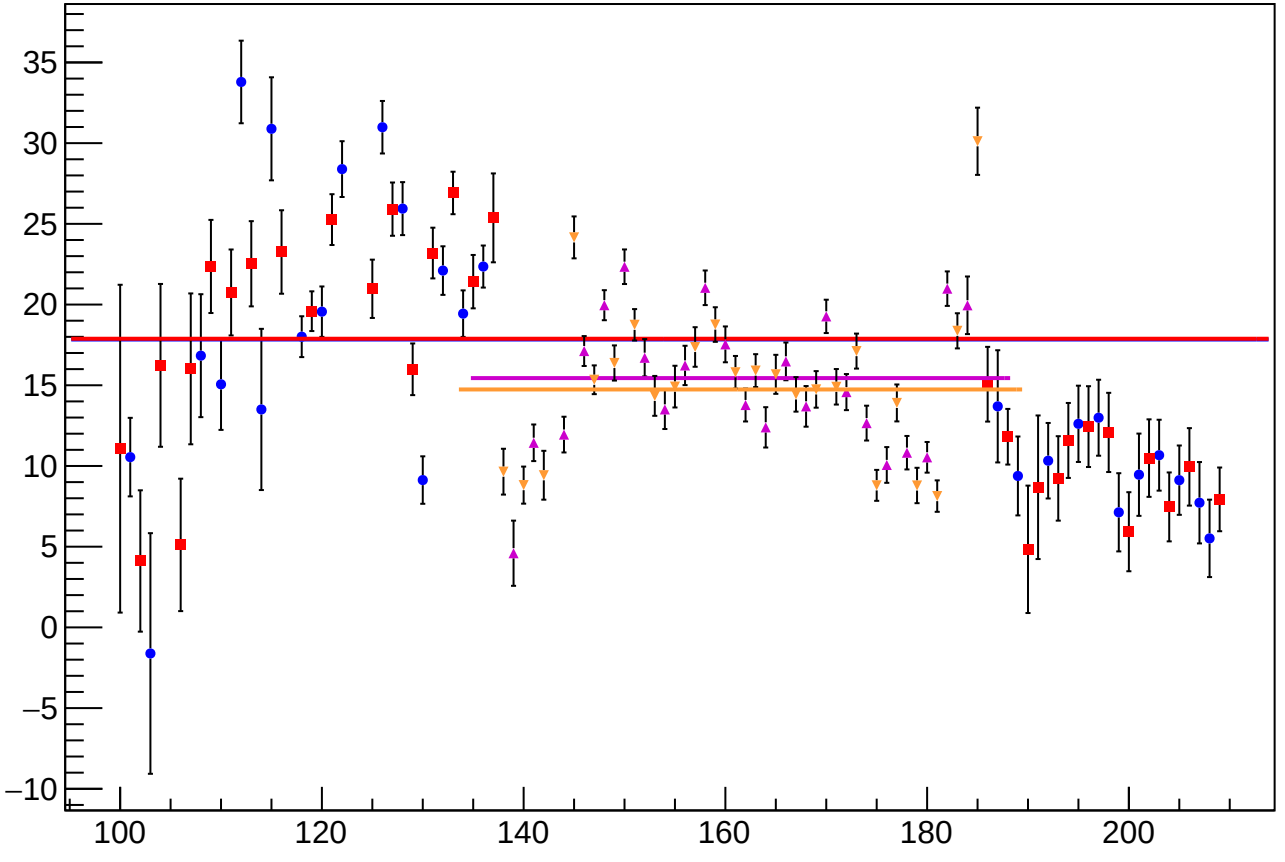
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -16.682+/-0.202 χ^2/NDF: 4816.2/50

All: -17.587+/-0.141 χ^2/NDF: 10137.5/104

- sign -18.440+/-0.196 χ^2/NDF: 5282.2/53

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.836+/-0.388 χ^2/NDF: 390.6/26

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 17.882+/-0.388 χ^2/NDF: 304.9/30

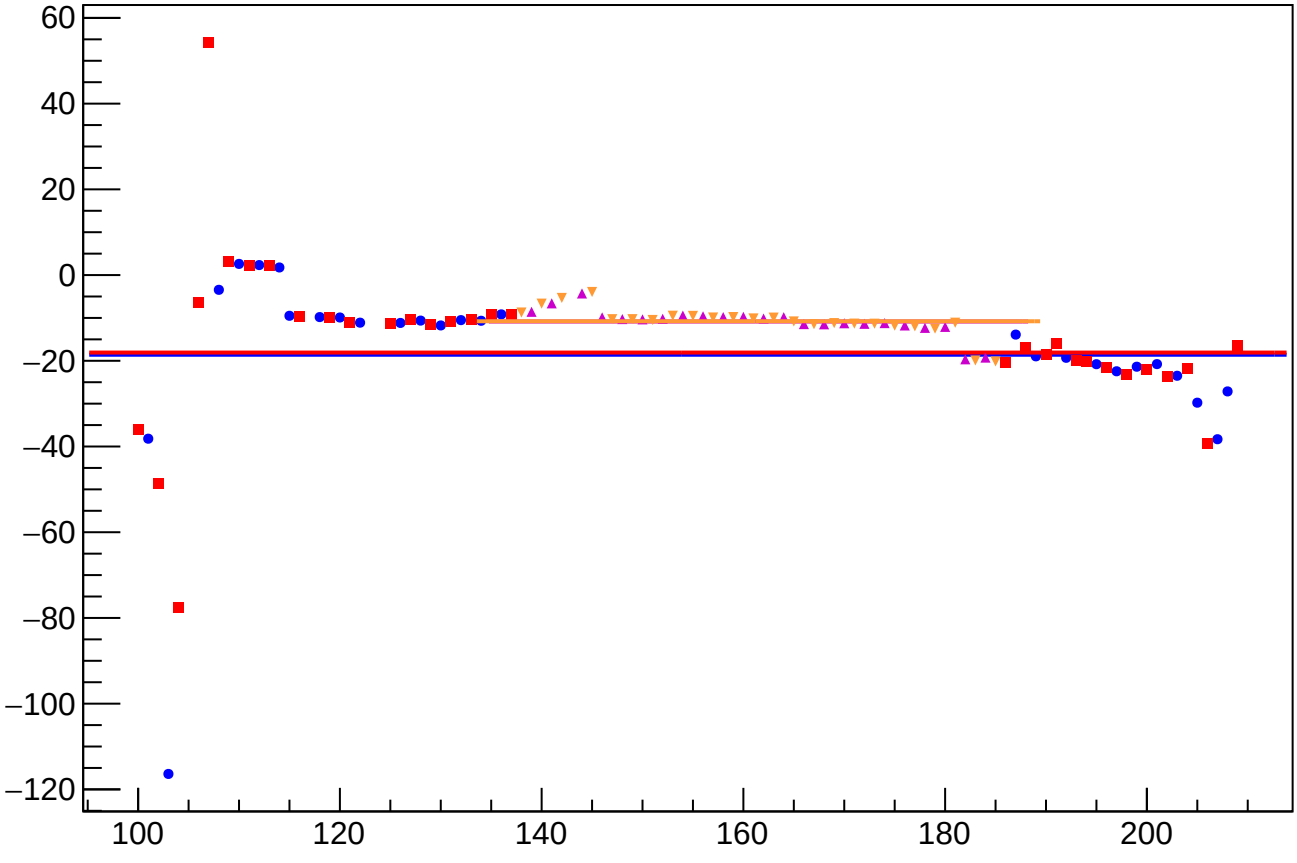
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

\+ sign 15.542+/-0.197 χ^2/NDF: 768.8/50

All: 15.813+/-0.140 χ^2/NDF: 1396.9/104

\- sign 16.091+/-0.200 χ^2/NDF: 624.4/53

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.589+/-0.019 χ^2/NDF: 453748.9/26

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.079+/-0.019 χ^2/NDF: 432604.6/30

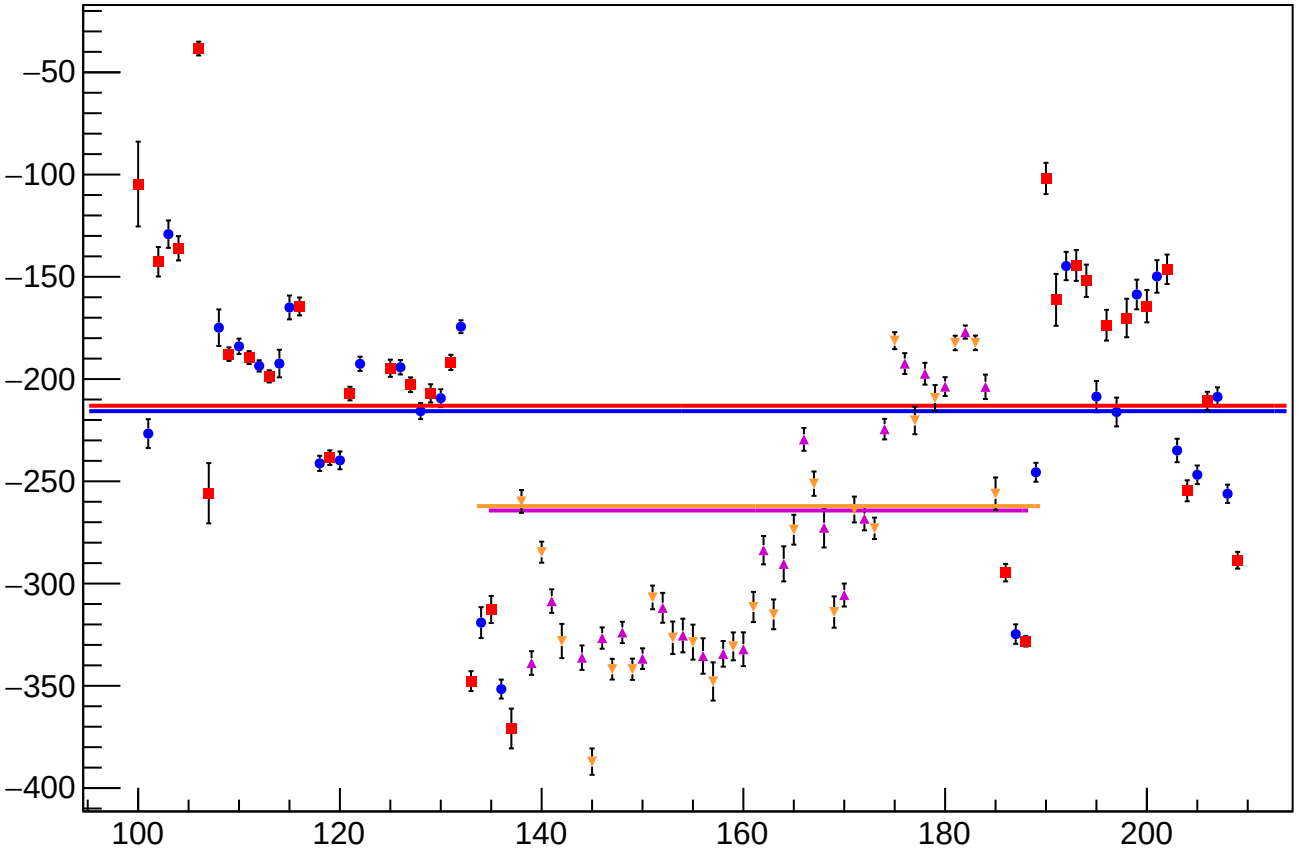
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.543+/-0.009 χ^2/NDF: 668794.9/50

All: -12.529+/-0.006 χ^2/NDF: 1290062.0/104

- sign -12.515+/-0.009 χ^2/NDF: 621262.6/53

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -215.687+/-0.899 χ^2/NDF: 2736.5/26

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -213.037+/-0.822 χ^2/NDF: 7974.4/30

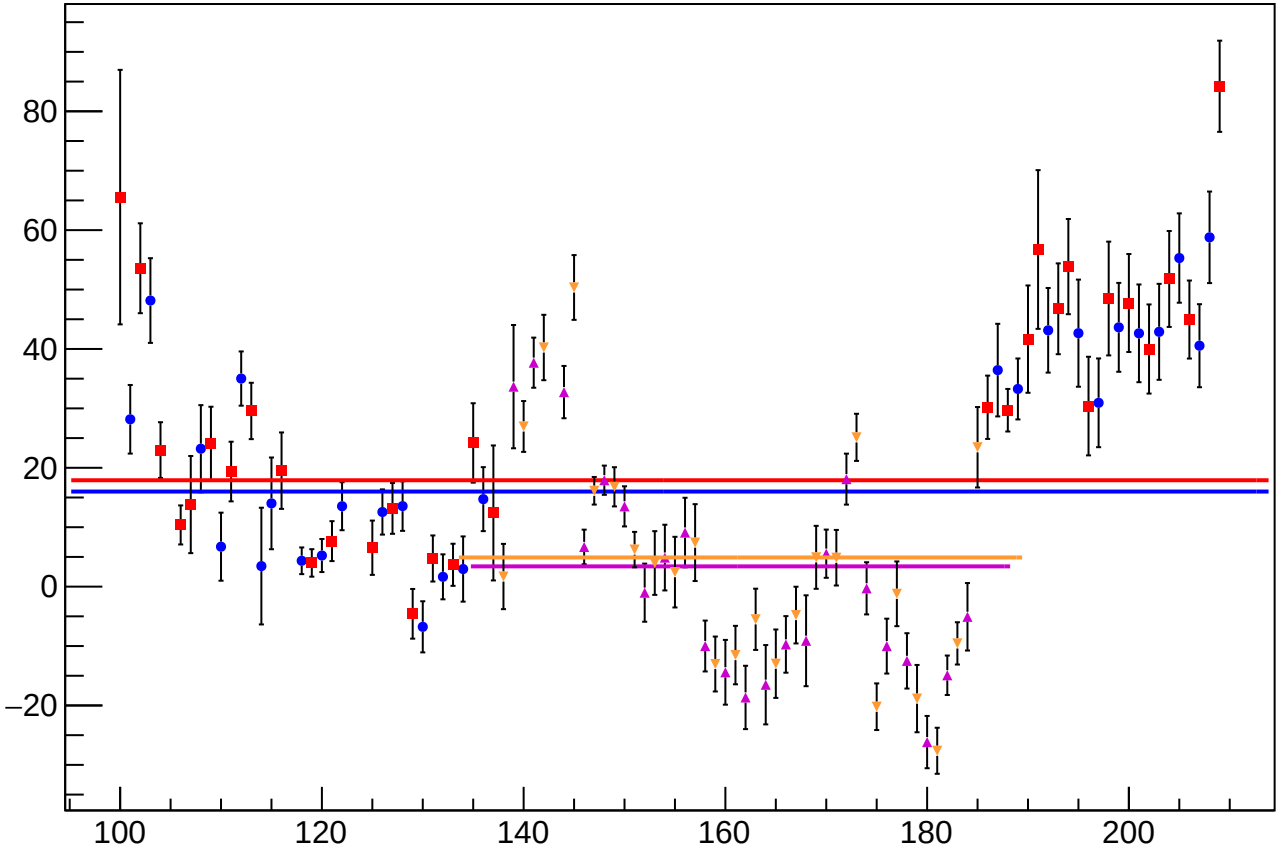
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.746+/-0.715 χ^2/NDF: 6681.2/50

All: -231.125+/-0.491 χ^2/NDF: 18668.1/104

- sign -229.678+/-0.676 χ^2/NDF: 11977.2/53

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 16.003+/-0.959 χ^2/NDF: 290.2/26

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 17.904+/-0.915 χ^2/NDF: 361.0/30

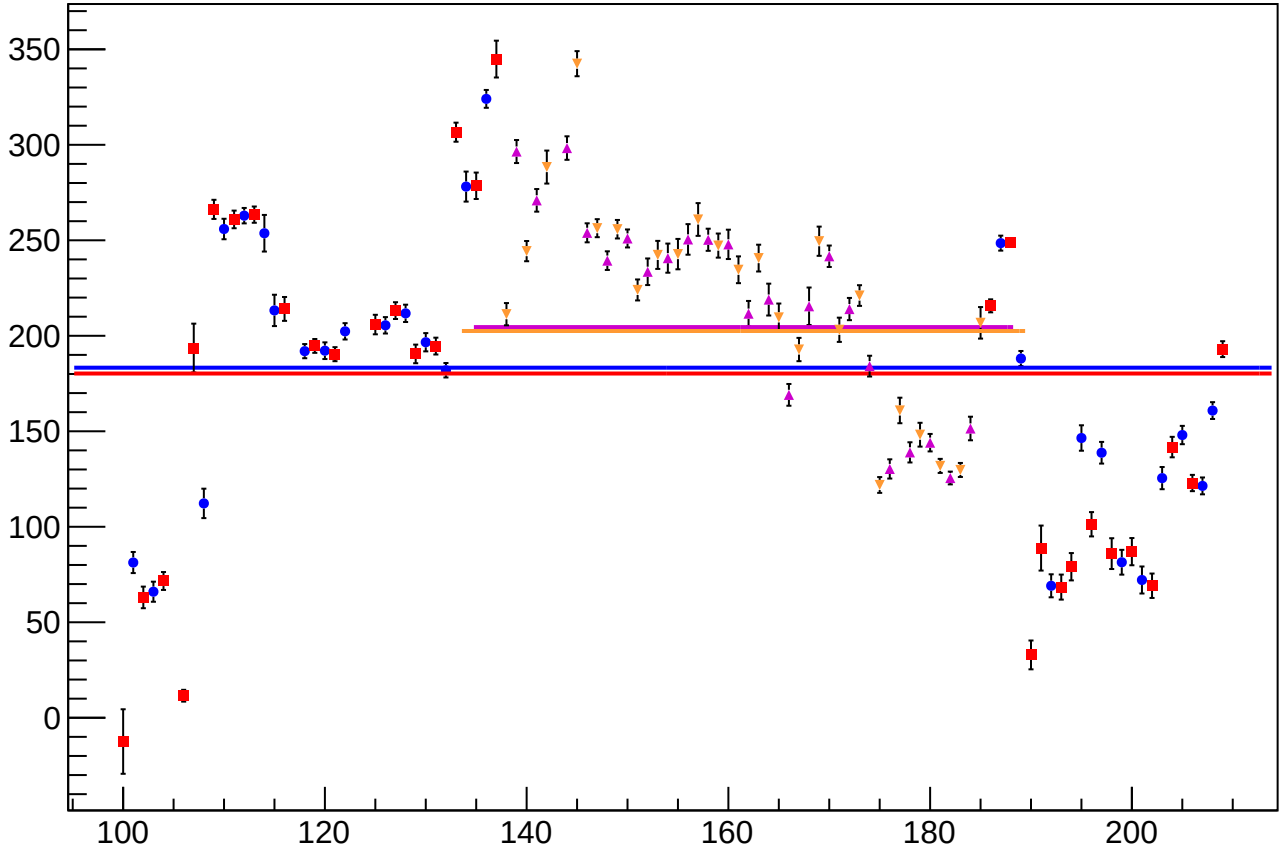
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 10.022+/-0.651 χ^2/NDF: 761.3/50

All: 10.288+/-0.457 χ^2/NDF: 1583.5/104

- sign 10.546+/-0.642 χ^2/NDF: 821.8/53

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.301+/-0.955 χ^2/NDF: 4317.2/26

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.243+/-0.849 χ^2/NDF: 9497.5/30

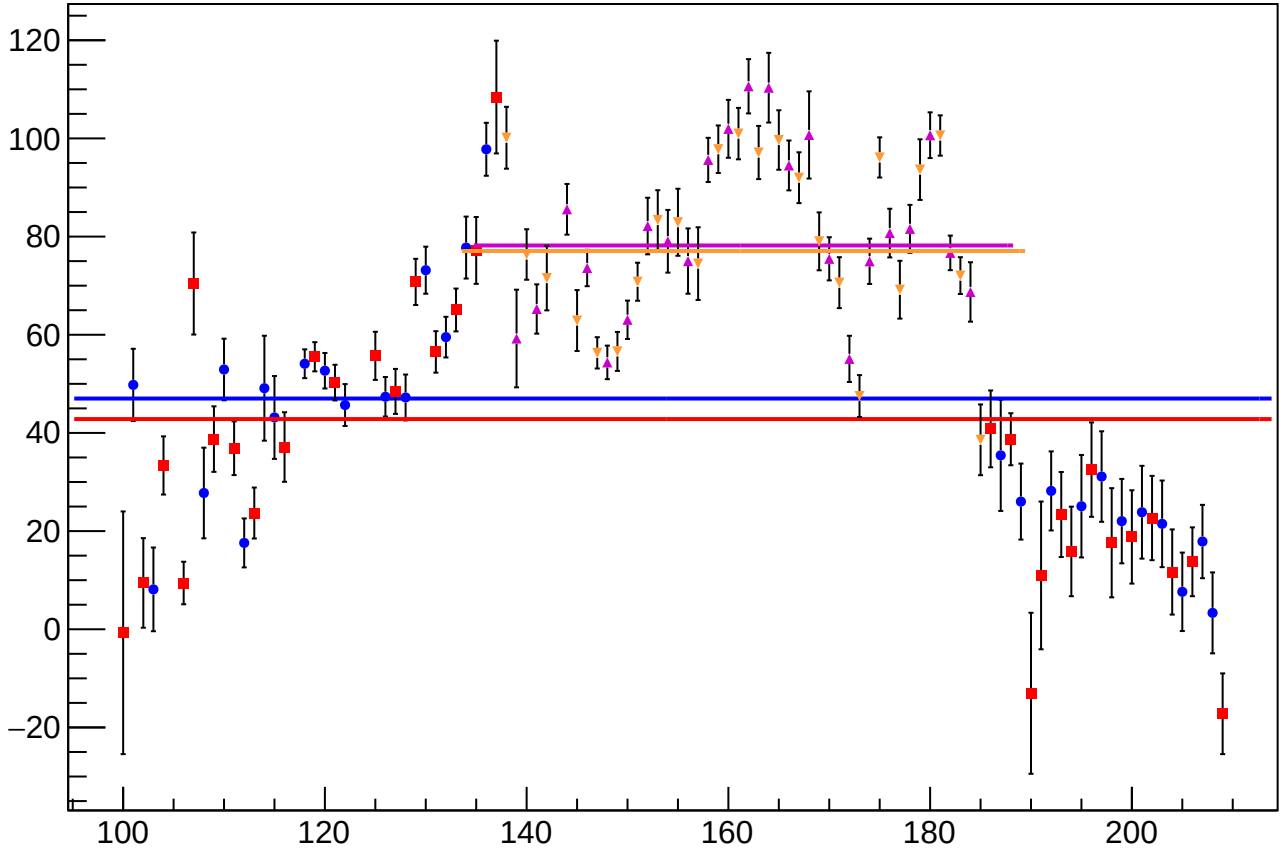
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 190.964+/-0.741 χ^2/NDF: 6872.0/50

All: 189.679+/-0.504 χ^2/NDF: 18941.4/104

- sign 188.569+/-0.689 χ^2/NDF: 12063.8/53

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.005+/-1.121 χ^2/NDF: 332.4/26

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 42.823+/-1.081 χ^2/NDF: 394.0/30

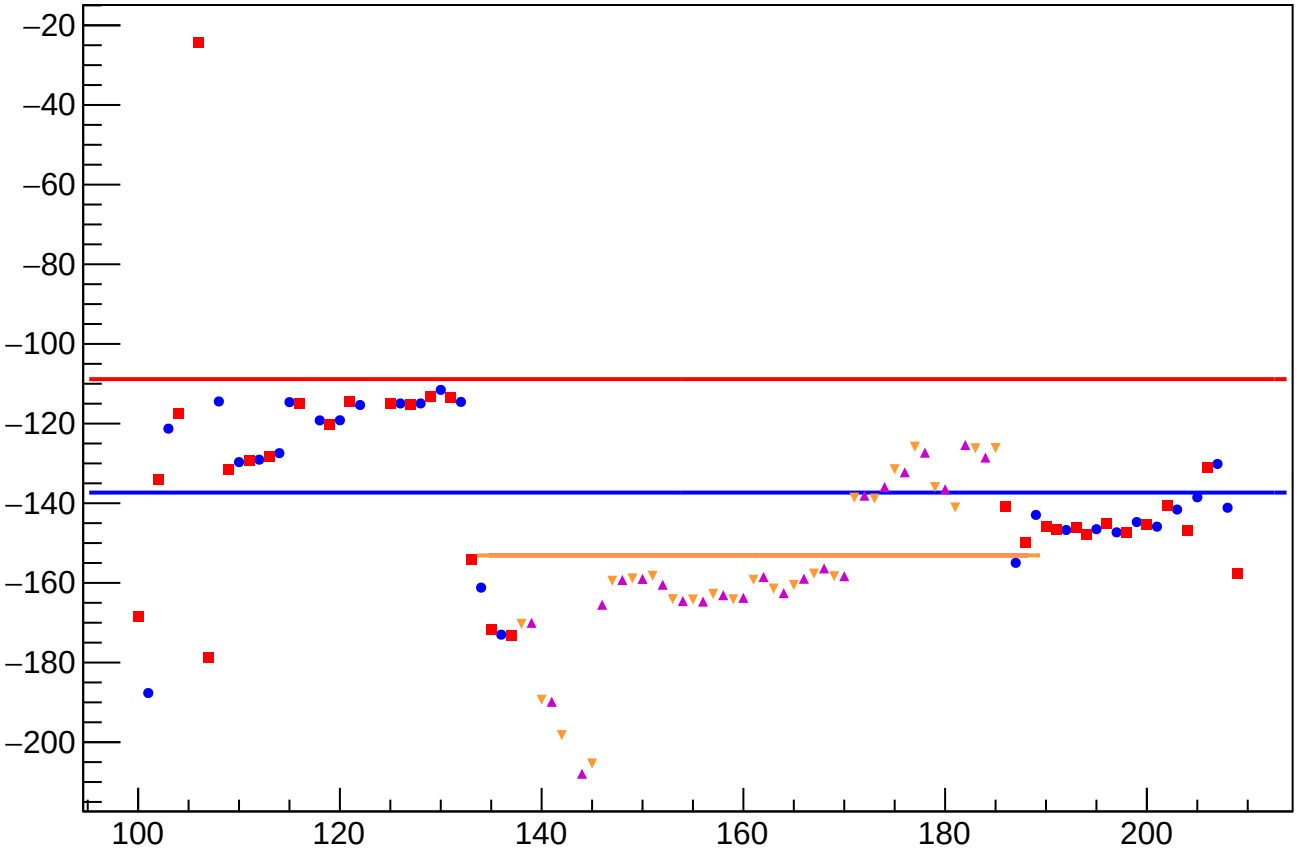
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

\+ sign 63.521+/-0.753 χ^2/NDF: 1038.5/50

All: 62.467+/-0.529 χ^2/NDF: 2232.2/104

\- sign 61.438+/-0.744 χ^2/NDF: 1189.8/53

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.326+/-0.061 χ^2/NDF: 103778.4/26

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -108.842+/-0.052 χ^2/NDF: 1001918.8/30

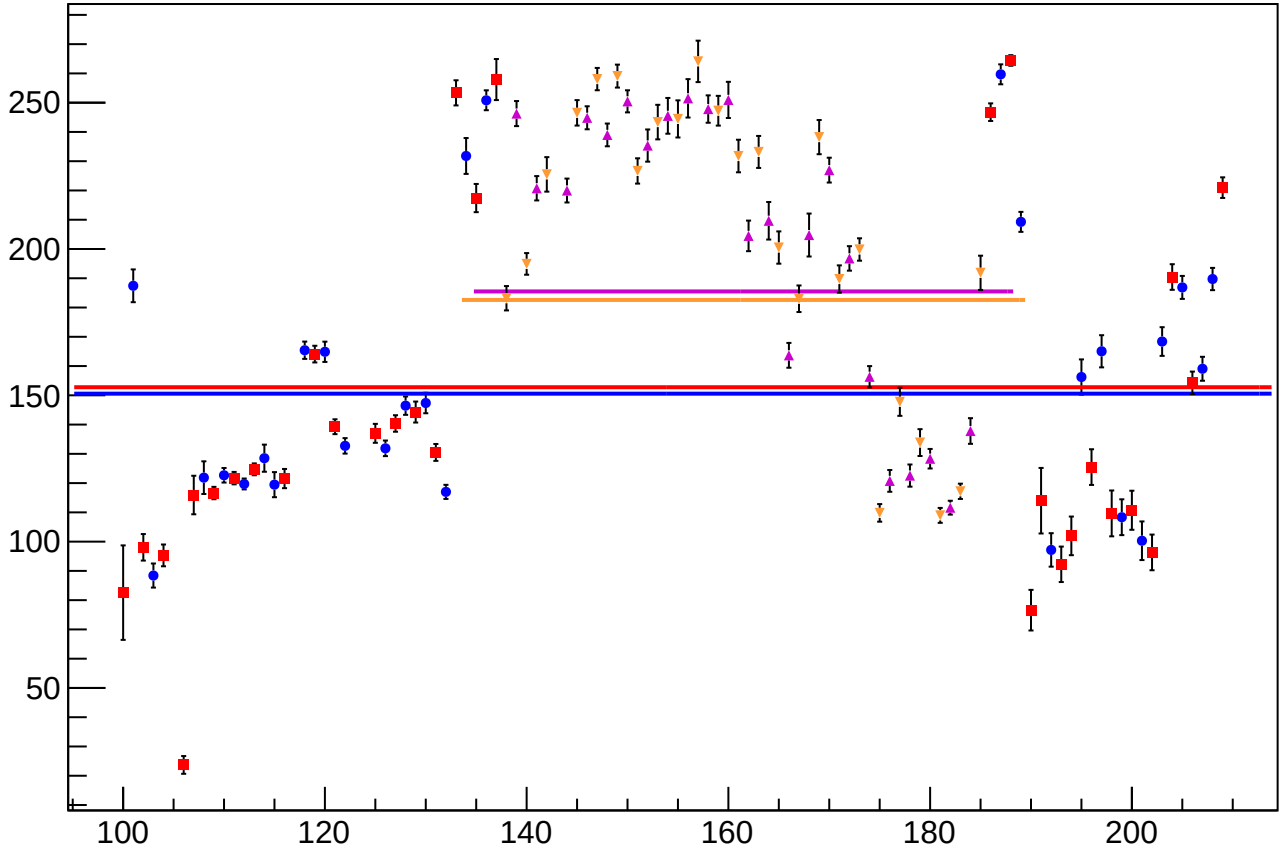
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.240+/-0.037 χ^2/NDF: 323227.3/50

All: -139.696+/-0.025 χ^2/NDF: 1973871.0/10

- sign -133.180+/-0.035 χ^2/NDF: 1574033.7/53

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 150.565+/-0.678 χ^2/NDF: 3884.5/26

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 152.765+/-0.615 χ^2/NDF: 9841.5/30

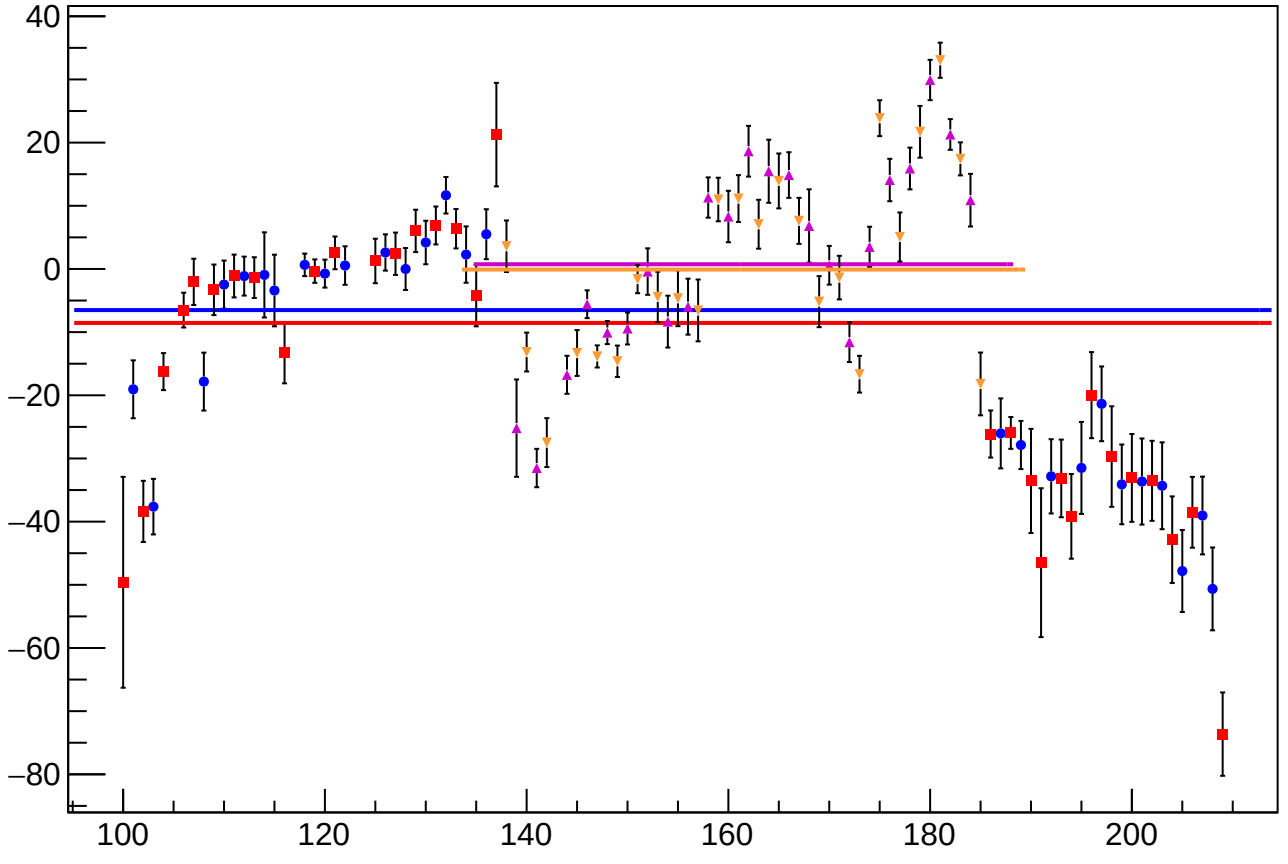
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

\+ sign 162.746+/-0.534 χ^2/NDF: 8884.4/50

All: 163.217+/-0.366 χ^2/NDF: 23489.8/104

\- sign 163.634+/-0.503 χ^2/NDF: 14603.9/53

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.511+/-0.735 χ^2/NDF: 420.2/26

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -8.545+/-0.692 χ^2/NDF: 521.2/30

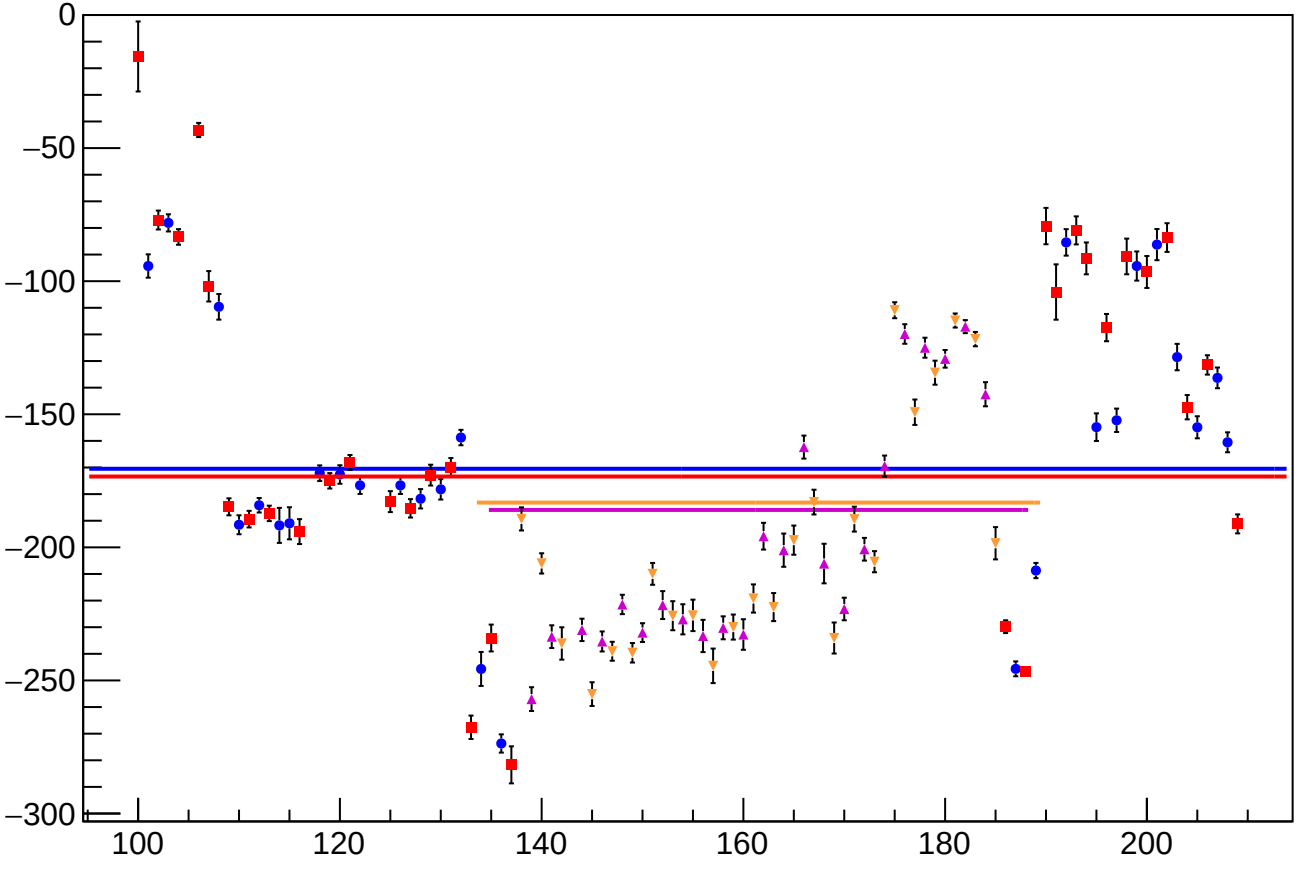
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.931+/-0.489 χ^2/NDF: 1018.0/50

All: -3.331+/-0.342 χ^2/NDF: 2131.9/104

- sign -3.716+/-0.480 χ^2/NDF: 1112.6/53

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -170.473+/-0.727 χ^2/NDF: 4233.0/26

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -173.387+/-0.638 χ^2/NDF: 10021.2/30

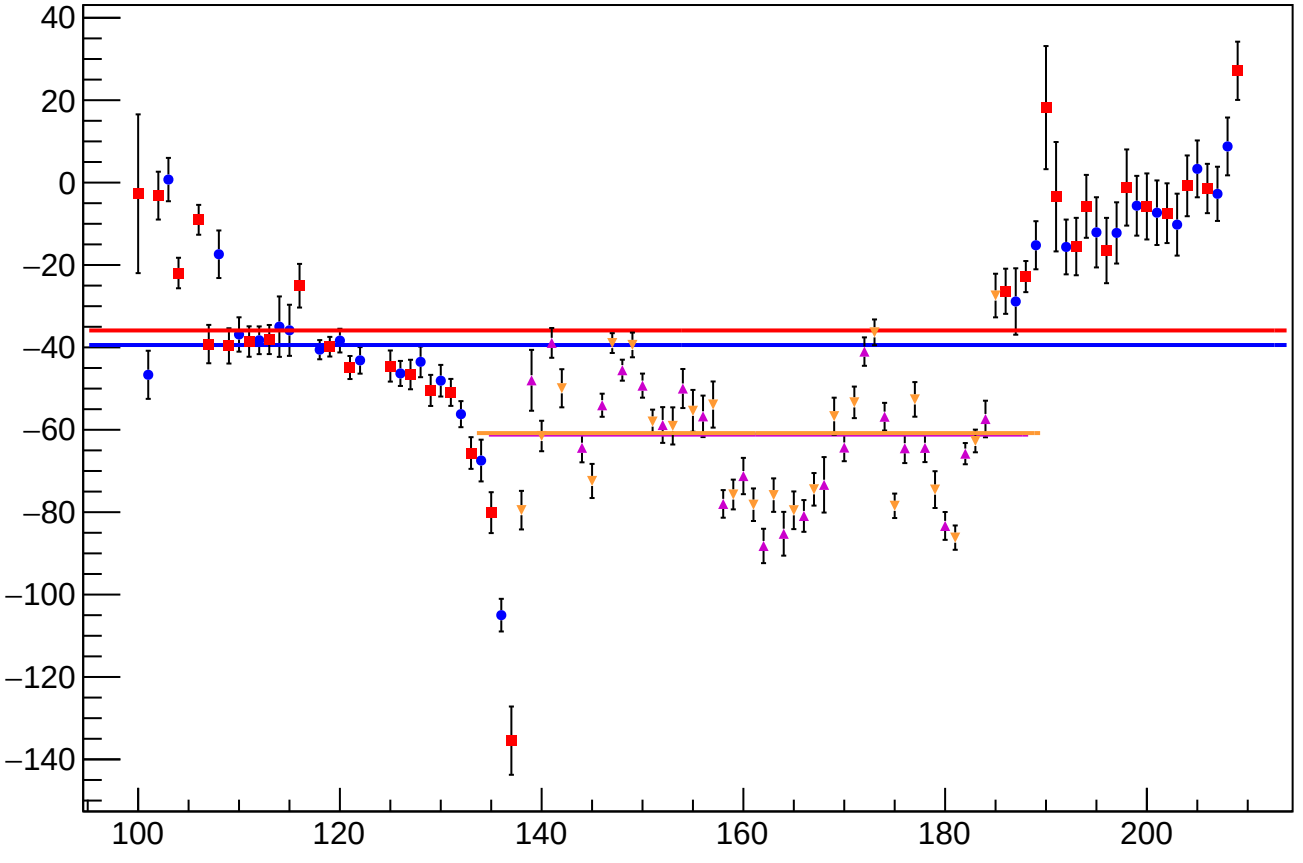
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -175.748+/-0.556 χ^2/NDF: 7721.1/50

All: -176.851+/-0.377 χ^2/NDF: 21067.1/104

- sign -177.794+/-0.514 χ^2/NDF: 13338.7/53

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -39.424+/-0.859 χ^2/NDF: 647.1/26

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -35.888+/-0.819 χ^2/NDF: 700.0/30

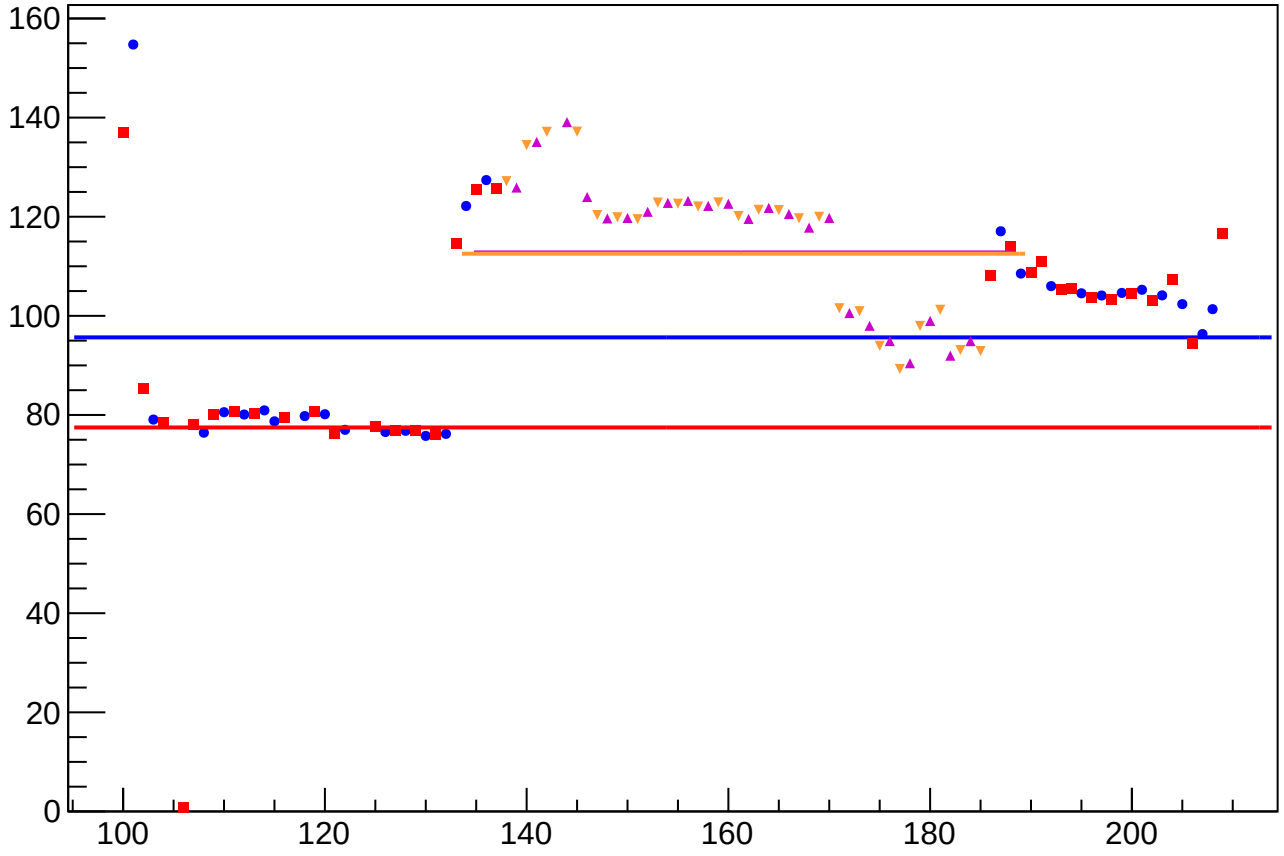
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -51.573+/-0.565 χ^2/NDF: 1472.8/50

All: -50.537+/-0.396 χ^2/NDF: 3010.1/104

- sign -49.533+/-0.556 χ^2/NDF: 1530.7/53

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.657+/-0.047 χ^2/NDF: 183063.8/26

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 77.477+/-0.041 χ^2/NDF: 897416.6/30

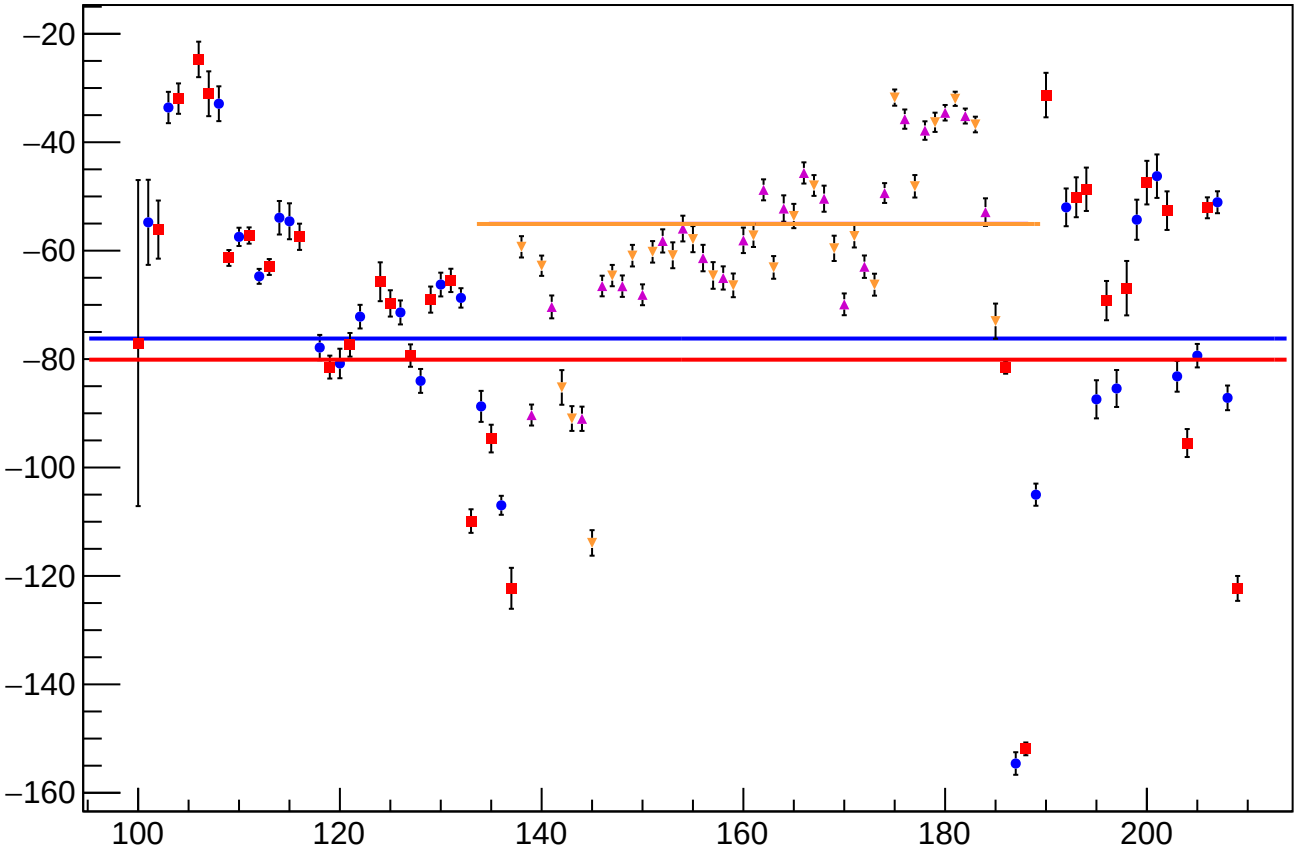
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.555+/-0.028 χ^2/NDF: 442051.5/50

All: 102.048+/-0.019 χ^2/NDF: 2000966.9/104

- sign 98.023+/-0.026 χ^2/NDF: 1509117.9/53

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -76.209+/-0.454 χ^2/NDF: 3043.6/26

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.108+/-0.405 χ^2/NDF: 6511.3/30

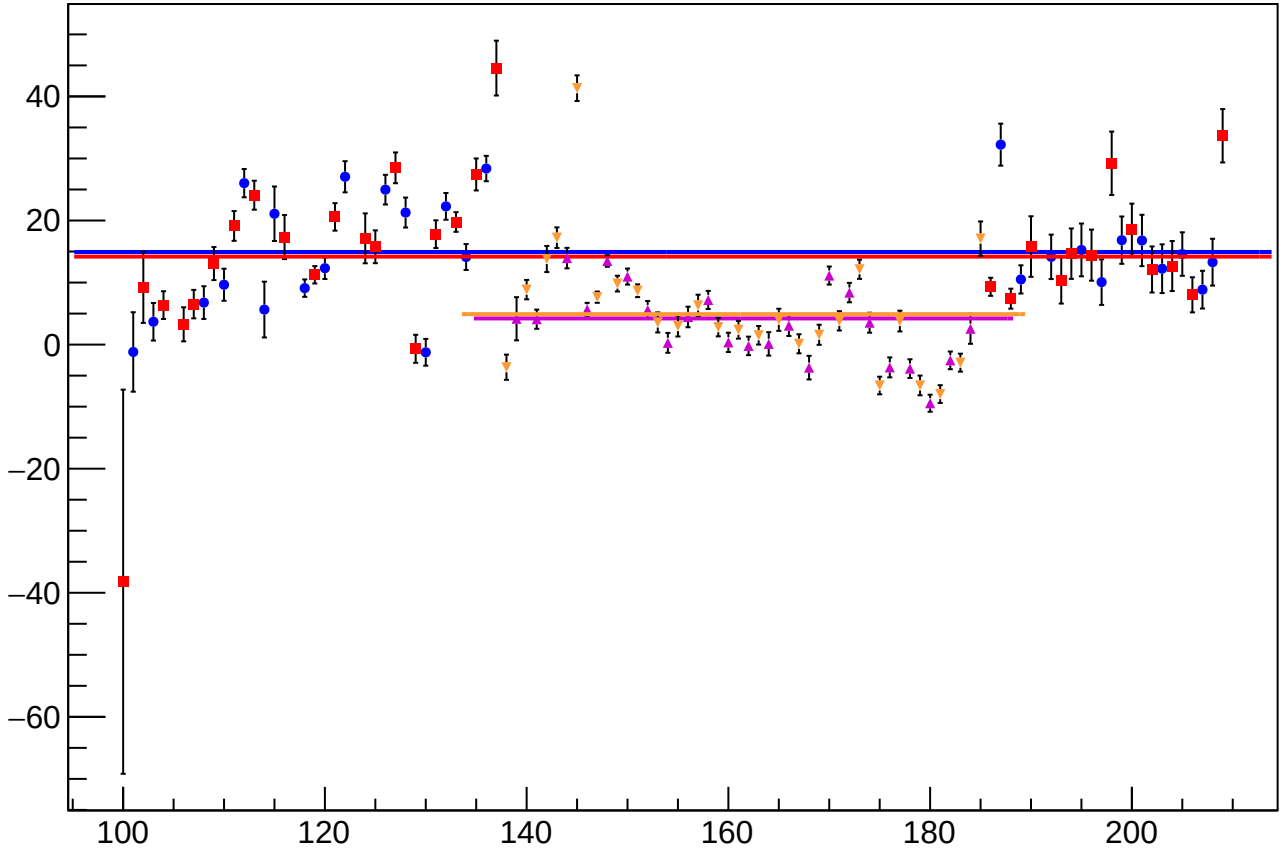
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -64.319+/-0.300 χ^2/NDF: 6263.7/51

All: -66.104+/-0.208 χ^2/NDF: 16273.0/105

- sign -67.747+/-0.288 χ^2/NDF: 9941.5/53

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.929+/-0.506 χ^2/NDF: 279.4/26

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.183+/-0.461 χ^2/NDF: 310.2/30

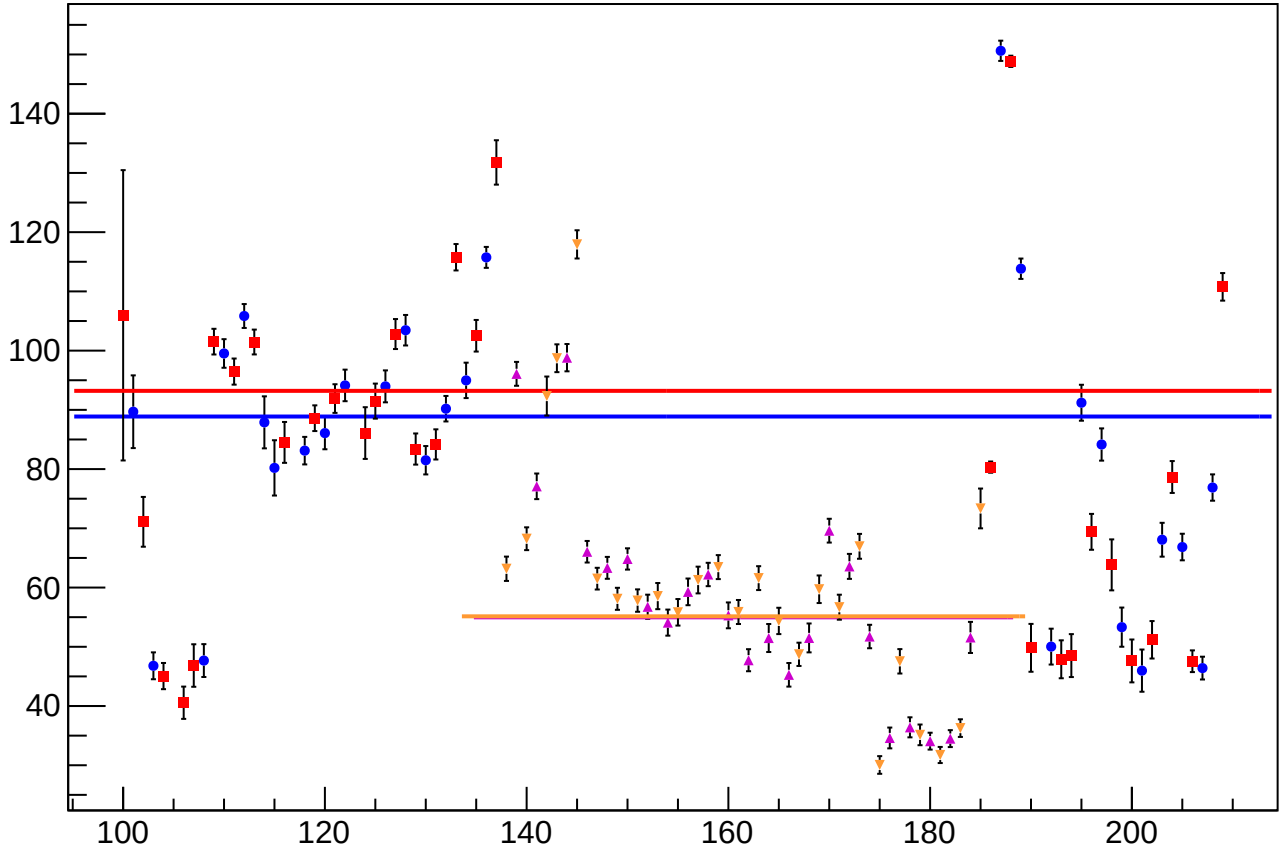
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.532+/-0.259 χ^2/NDF: 1310.1/51

All: 7.442+/-0.183 χ^2/NDF: 2356.1/105

- sign 7.352+/-0.259 χ^2/NDF: 1045.7/53

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 88.875+/-0.475 χ^2/NDF: 3559.4/26

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 93.210+/-0.407 χ^2/NDF: 6591.6/30

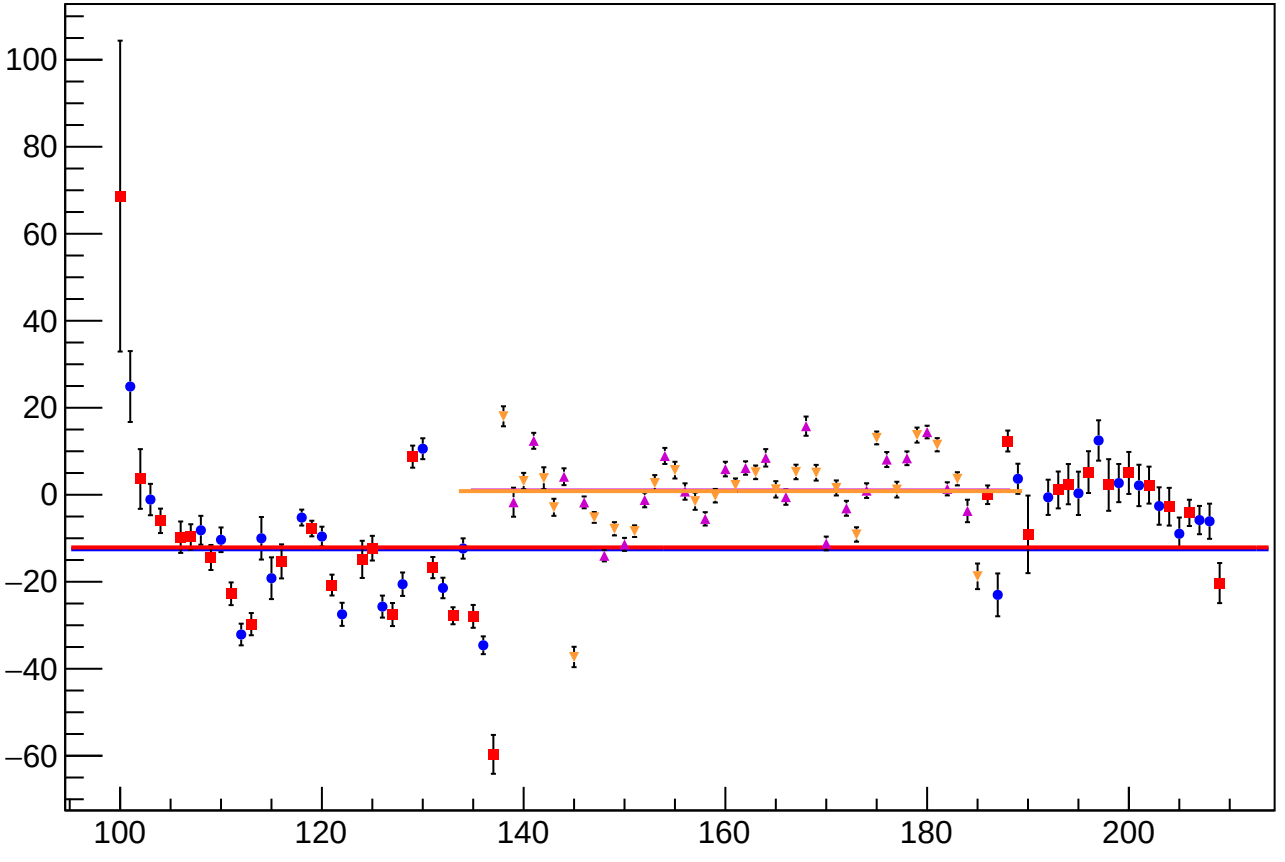
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.013+/-0.305 χ^2/NDF: 8772.0/51

All: 71.675+/-0.209 χ^2/NDF: 21721.2/105

- sign 74.042+/-0.287 χ^2/NDF: 12804.9/53

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.534+/-0.586 χ^2/NDF: 511.3/26

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.101+/-0.550 χ^2/NDF: 632.9/30

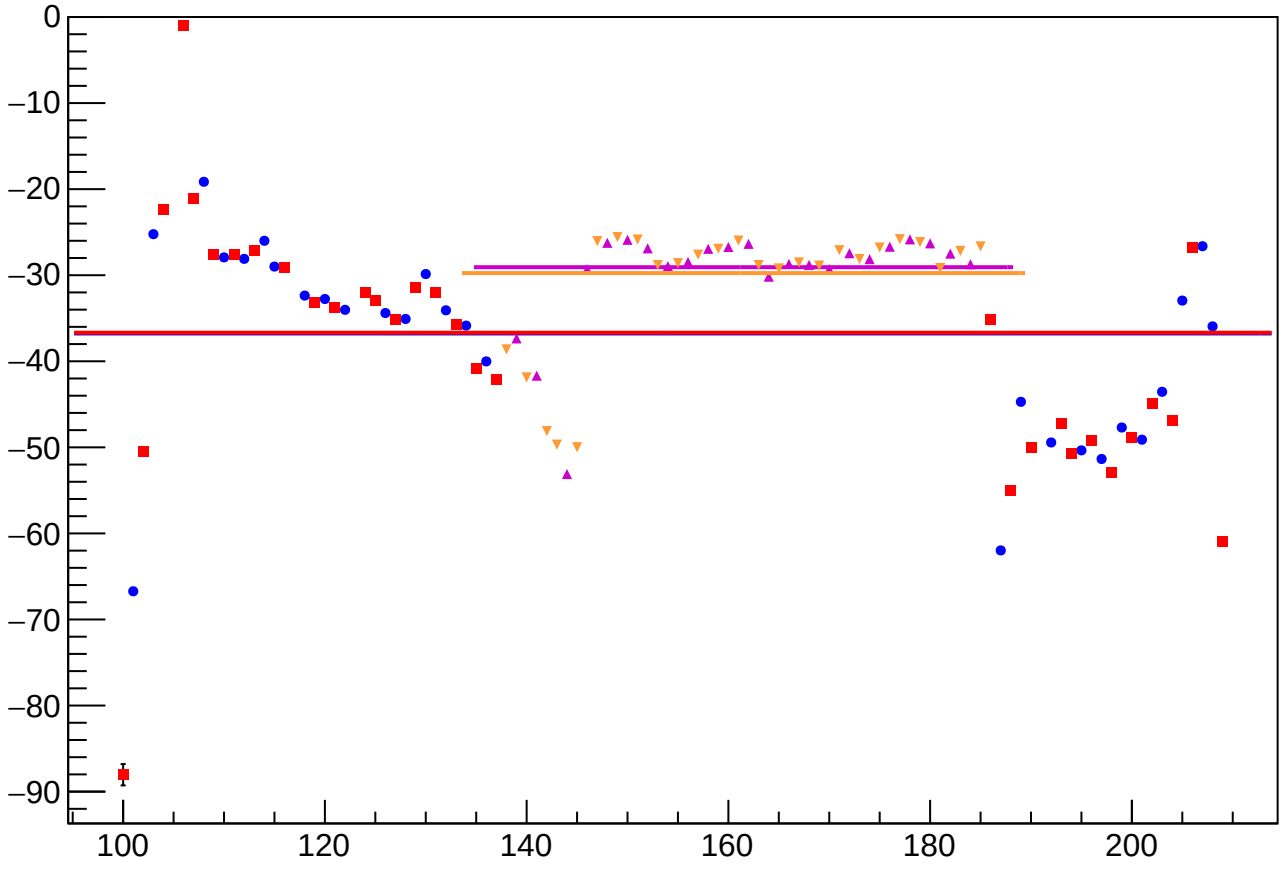
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

\+ sign -2.568+/-0.296 χ^2/NDF: 1616.2/51

All: -2.702+/-0.210 χ^2/NDF: 3207.9/105

\- sign -2.837+/-0.297 χ^2/NDF: 1591.3/53

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -36.767+/-0.029 χ^2/NDF: 119124.3/26

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.682+/-0.028 χ^2/NDF: 225429.5/30

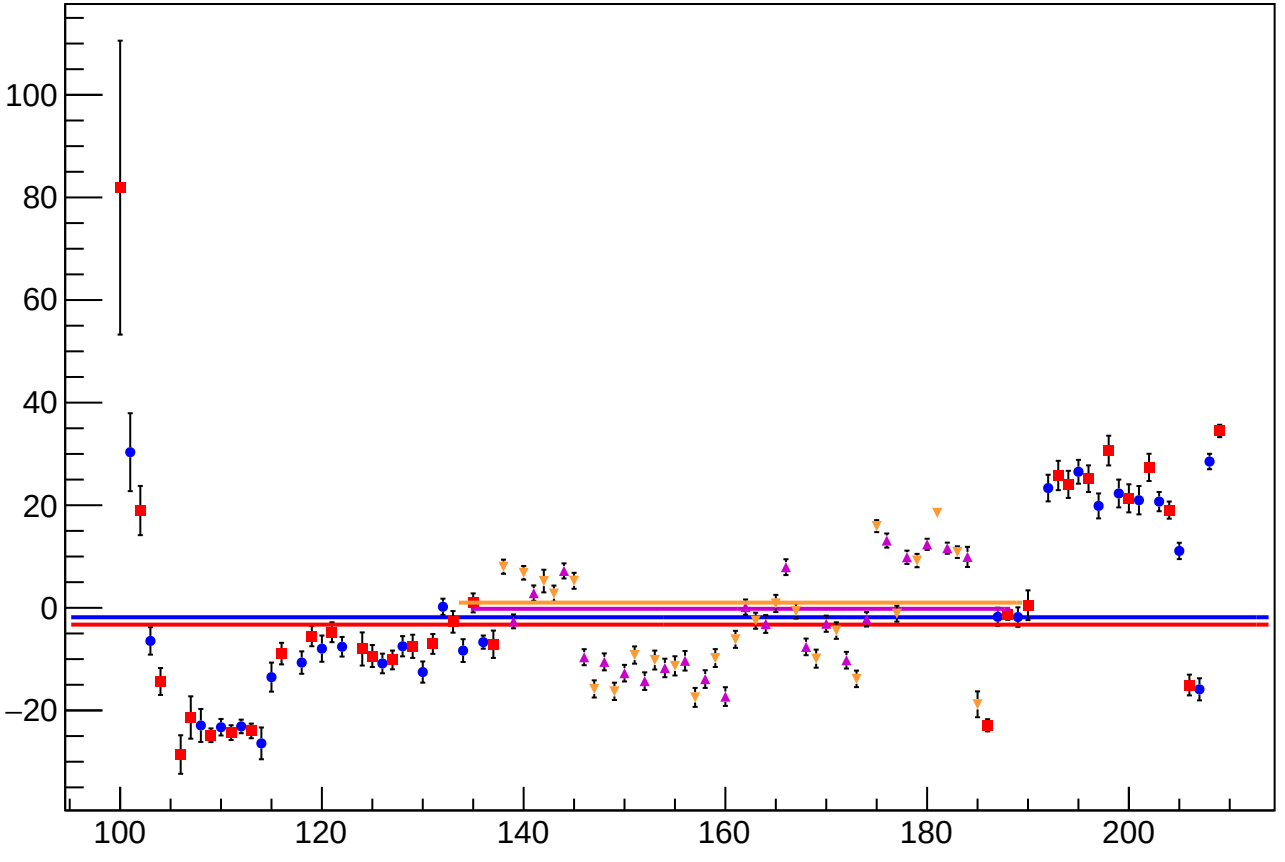
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.307+/-0.014 χ^2/NDF: 327599.0/51

All: -31.084+/-0.010 χ^2/NDF: 709767.6/105

- sign -30.858+/-0.014 χ^2/NDF: 381636.4/53

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -1.837+/-0.385 χ^2/NDF: 1822.0/26

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -3.272+/-0.349 χ^2/NDF: 2994.9/30

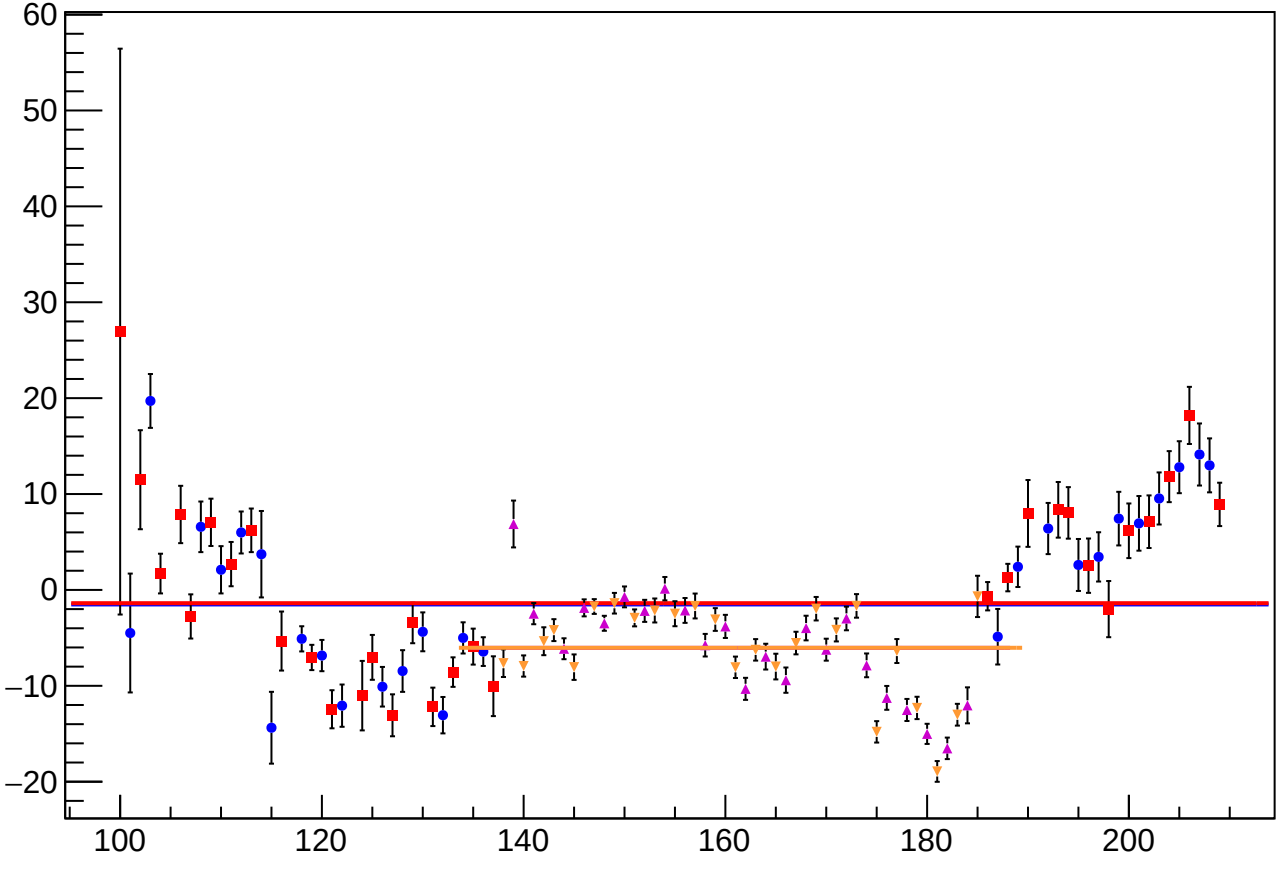
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

\+ sign -0.084+/-0.239 χ^2/NDF: 3190.8/51

All: -0.846+/-0.167 χ^2/NDF: 7231.3/105

\- sign -1.574+/-0.234 χ^2/NDF: 4020.7/53

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.515+/-0.436 χ^2/NDF: 349.8/26

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.383+/-0.407 χ^2/NDF: 344.9/30

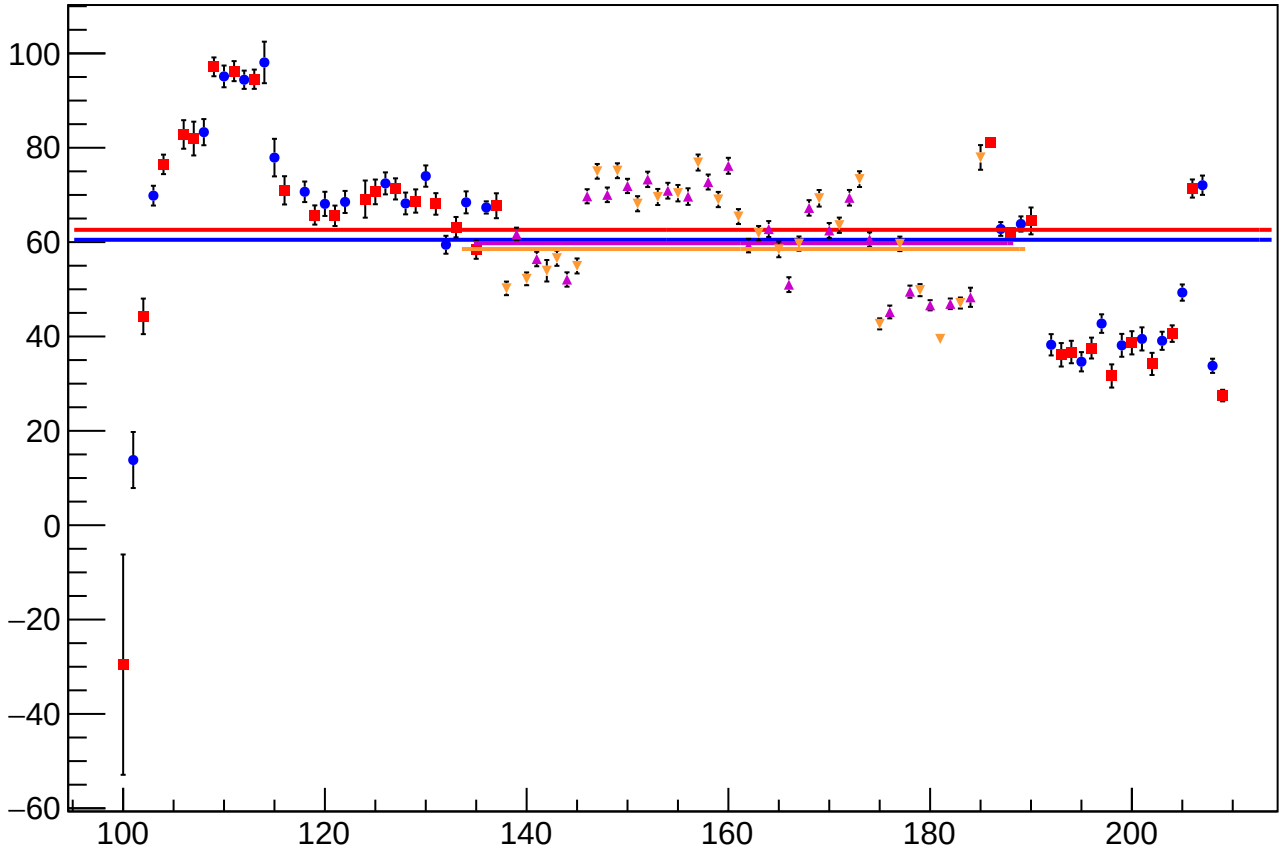
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.030+/-0.206 χ^2/NDF: 848.3/51

All: -4.927+/-0.146 χ^2/NDF: 1686.5/105

- sign -4.821+/-0.209 χ^2/NDF: 837.8/53

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 60.495+/-0.398 χ^2/NDF: 1947.1/26

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 62.608+/-0.349 χ^2/NDF: 3148.9/30

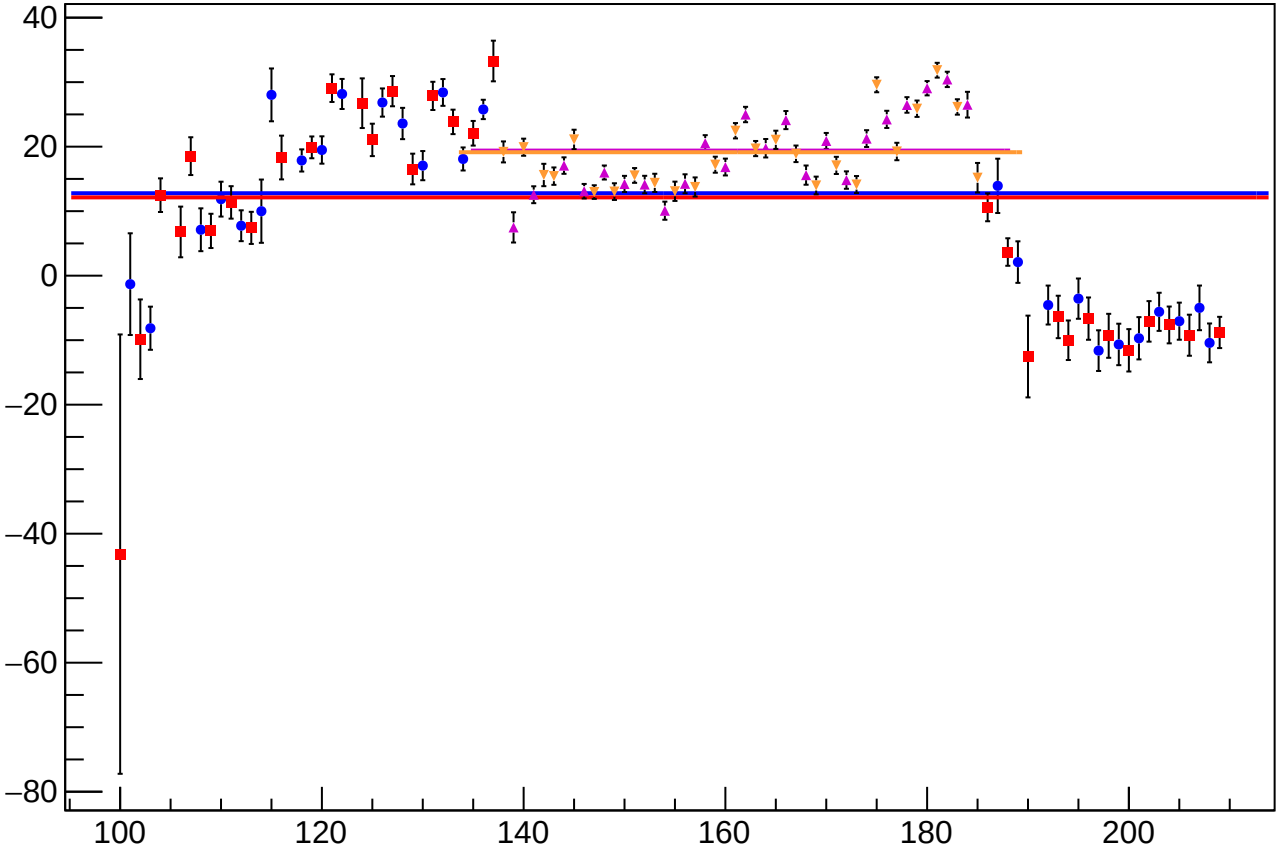
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 59.253+/-0.241 χ^2/NDF: 3411.7/51

All: 60.174+/-0.167 χ^2/NDF: 7695.9/105

- sign 61.031+/-0.233 χ^2/NDF: 4256.0/53

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 12.779+/-0.500 χ^2/NDF: 735.3/26

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 12.135+/-0.480 χ^2/NDF: 803.4/30

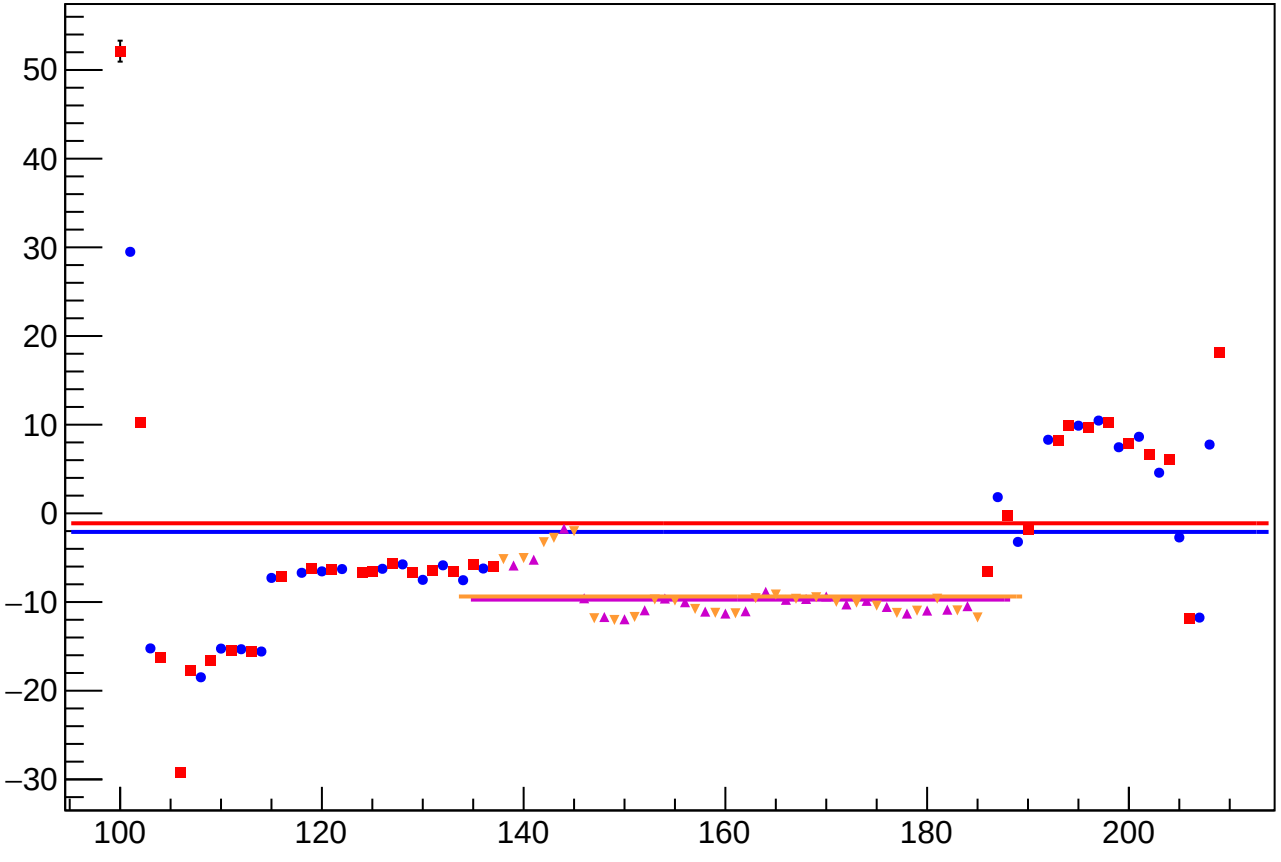
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

\+ sign 17.751+/-0.233 χ^2/NDF: 1295.6/51

All: 17.682+/-0.167 χ^2/NDF: 2739.3/105

\- sign 17.611+/-0.238 χ^2/NDF: 1443.5/53

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.093+/-0.024 χ^2/NDF: 161147.8/26

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.118+/-0.023 χ^2/NDF: 223896.9/30

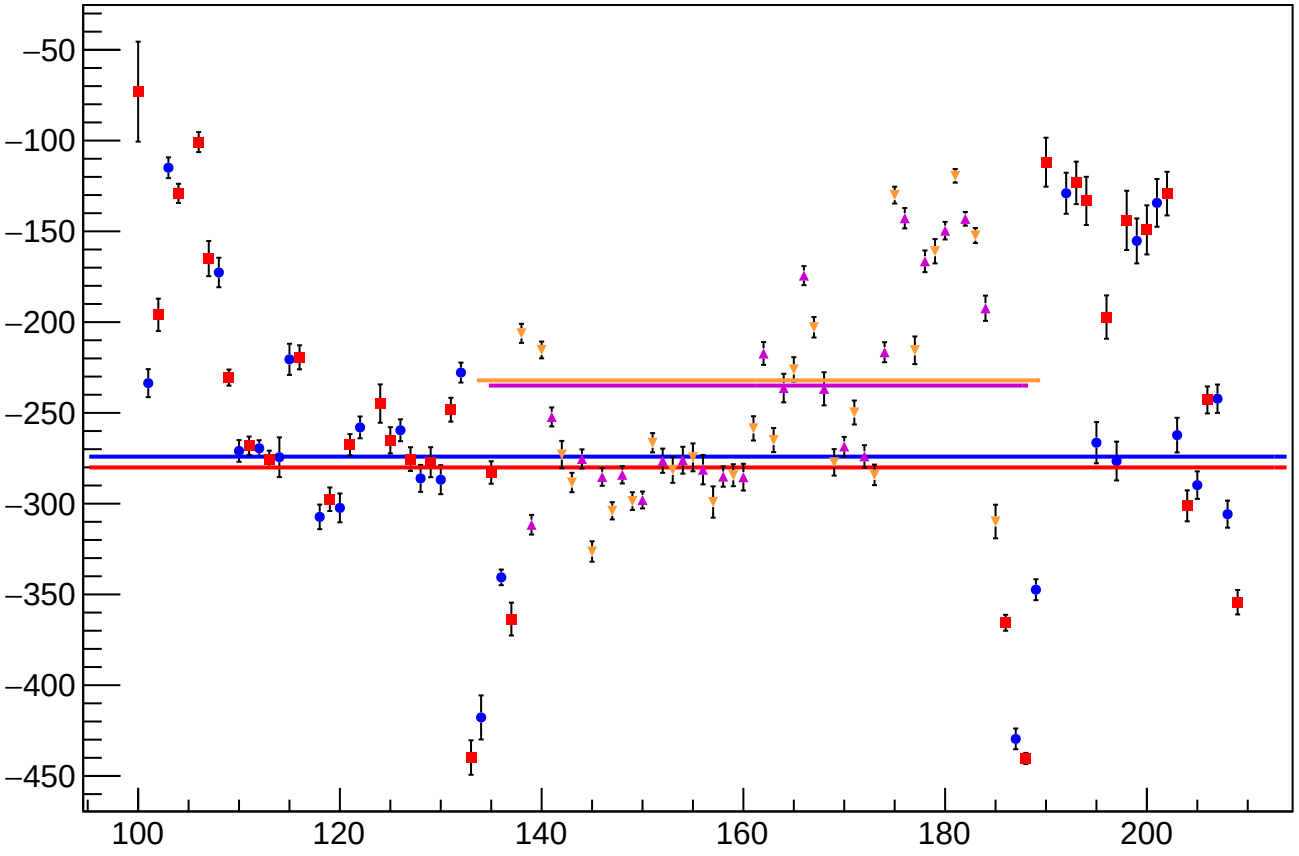
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.902+/-0.011 χ^2/NDF: 287032.1/51

All: -7.895+/-0.008 χ^2/NDF: 650682.3/105

- sign -7.888+/-0.011 χ^2/NDF: 363649.4/53

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.099+/-1.356 χ^2/NDF: 2818.6/26

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.049+/-1.200 χ^2/NDF: 6883.2/30

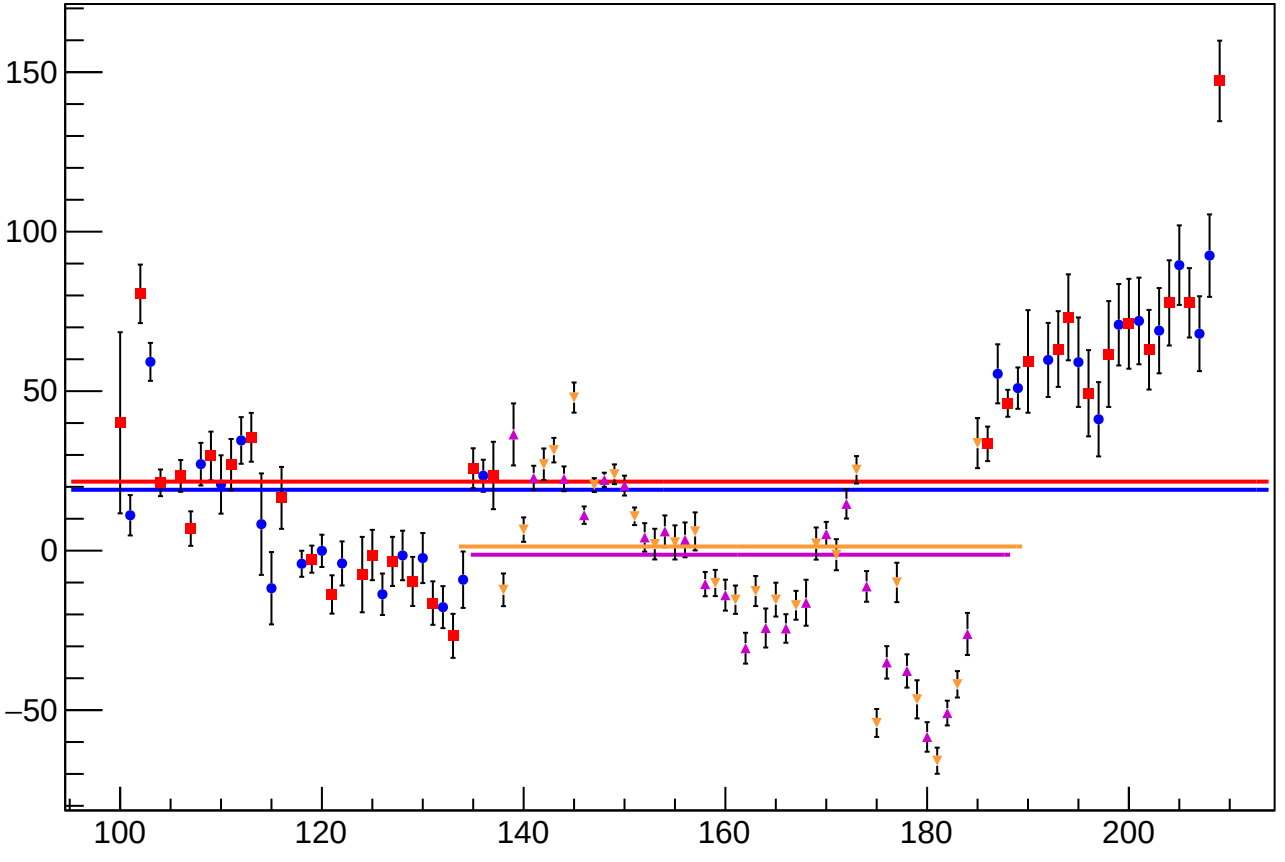
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -249.544+/-0.874 χ^2/NDF: 6649.7/51

All: -253.440+/-0.606 χ^2/NDF: 16762.0/105

- sign -257.039+/-0.840 χ^2/NDF: 10074.0/53

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.084+/-1.471 χ^2/NDF: 391.2/26

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 21.639+/-1.324 χ^2/NDF: 491.6/30

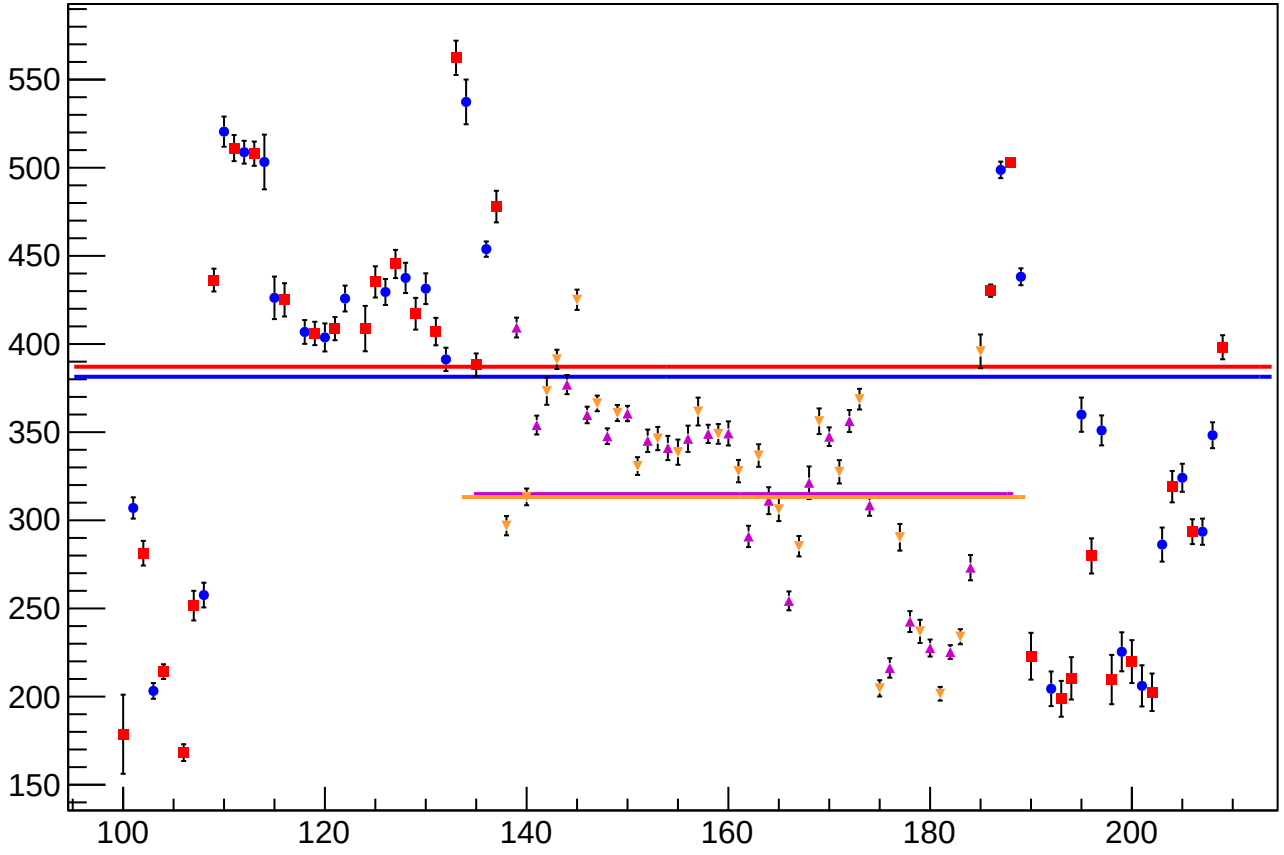
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 5.645+/-0.727 χ^2/NDF: 1551.2/51

All: 5.630+/-0.514 χ^2/NDF: 3063.3/105

- sign 5.615+/-0.726 χ^2/NDF: 1512.1/53

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.432+/-1.371 χ^2/NDF: 5221.0/26

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 387.126+/-1.176 χ^2/NDF: 9698.4/30

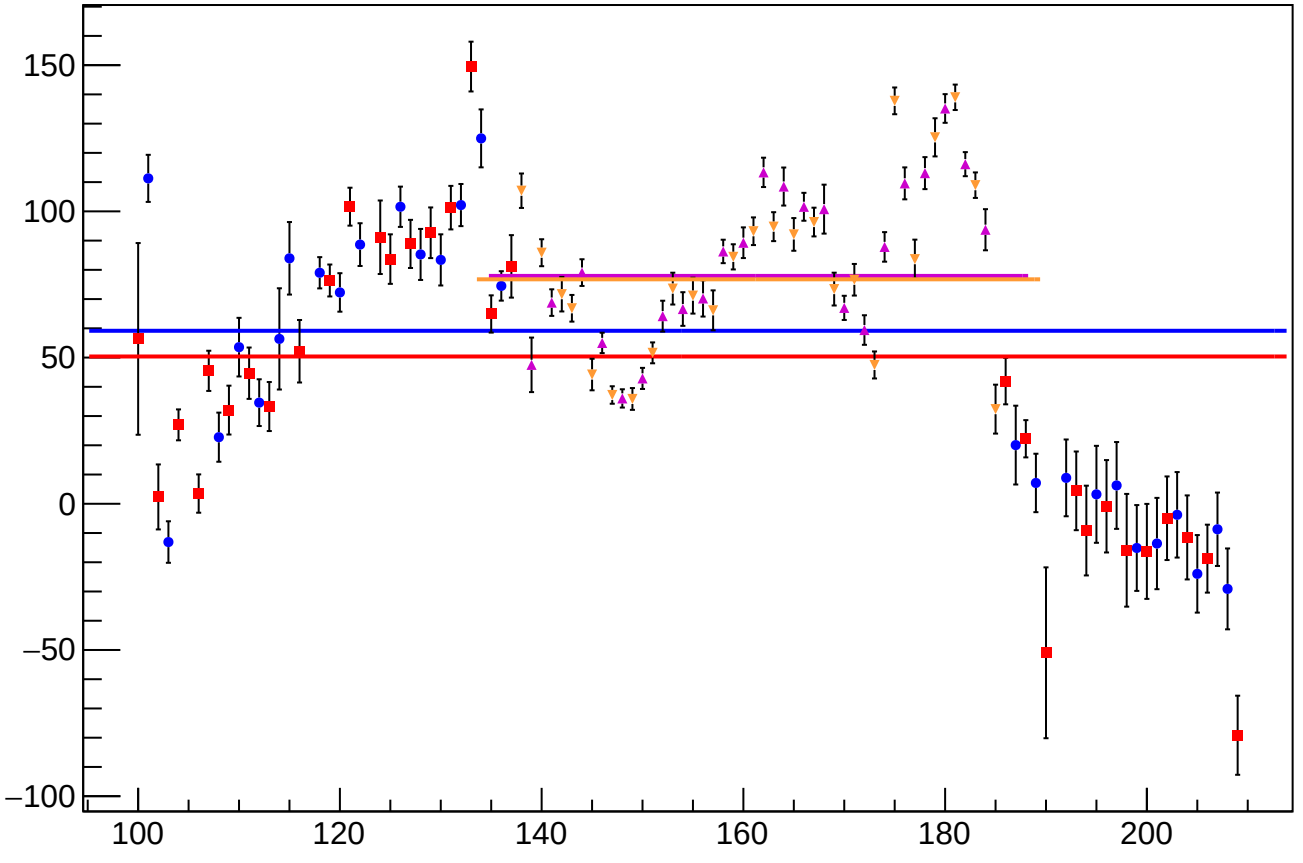
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 340.910+/-0.874 χ^2/NDF: 9827.3/51

All: 345.990+/-0.600 χ^2/NDF: 23929.8/105

- sign 350.533+/-0.826 χ^2/NDF: 14038.5/53

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 59.159+/-1.720 χ^2/NDF: 605.0/26

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 50.370+/-1.591 χ^2/NDF: 711.2/30

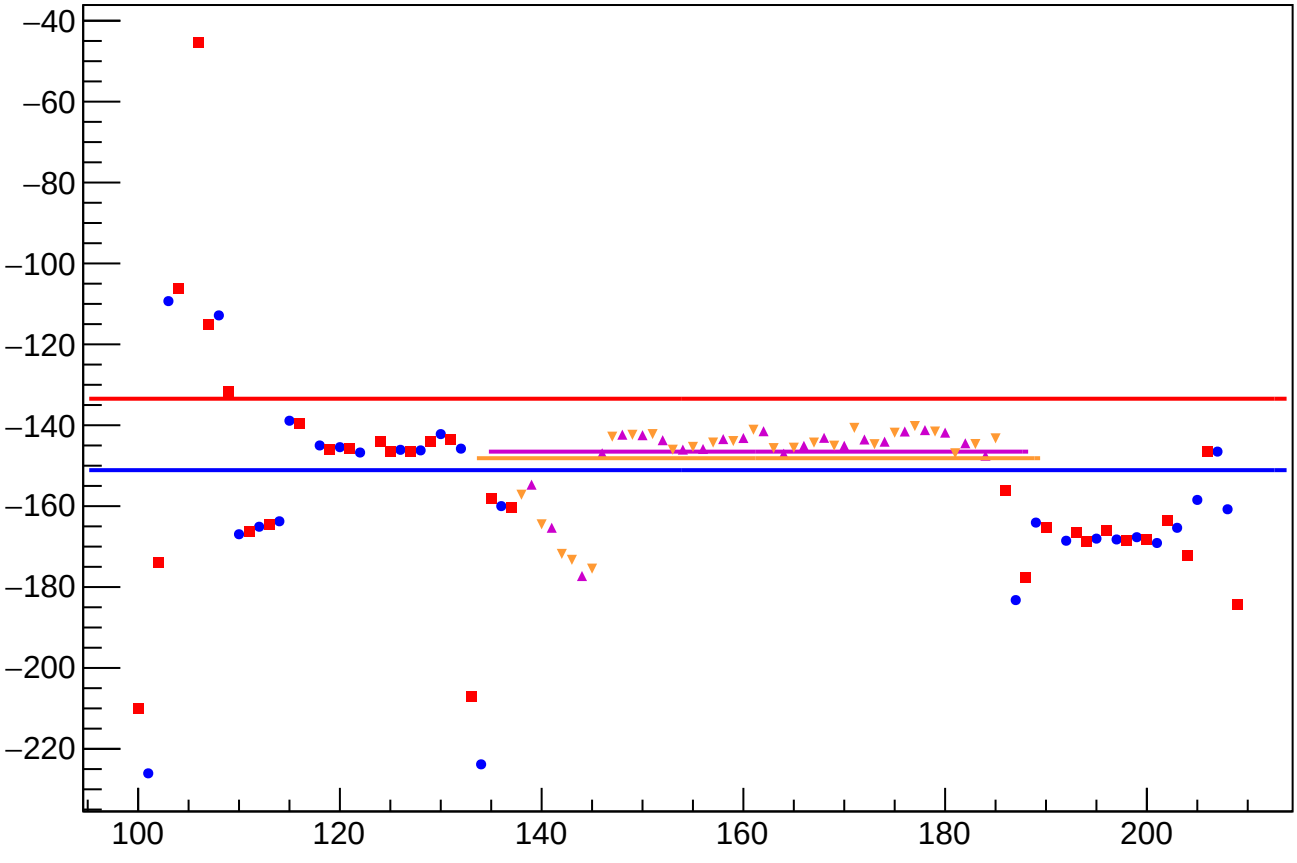
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 72.533+/-0.843 χ^2/NDF: 1719.9/51

All: 71.348+/-0.597 χ^2/NDF: 3434.3/105

- sign 70.157+/-0.845 χ^2/NDF: 1710.4/53

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.101+/-0.082 χ^2/NDF: 146522.7/26

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -133.443+/-0.075 χ^2/NDF: 354800.8/30

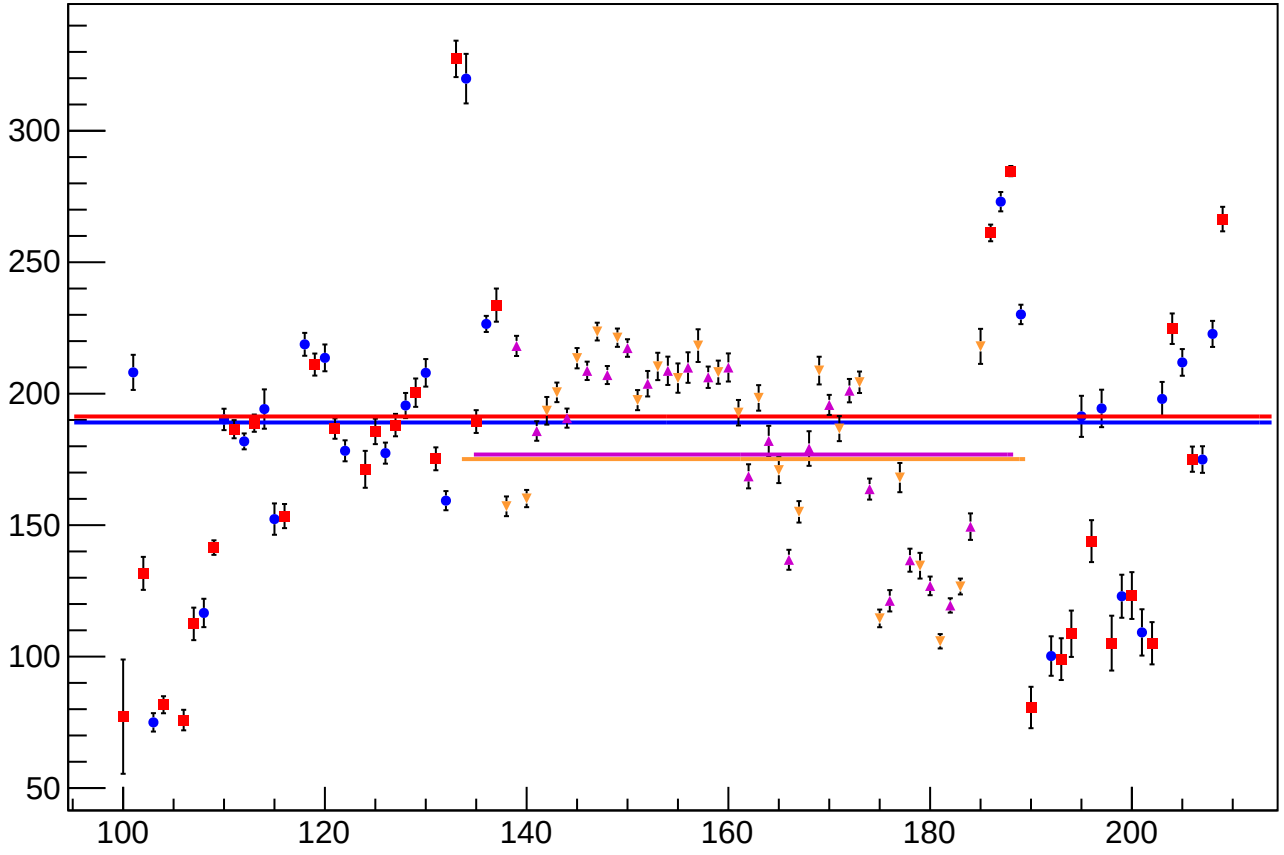
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.829+/-0.040 χ^2/NDF: 196421.4/51

All: -145.872+/-0.028 χ^2/NDF: 613570.7/105

- sign -143.006+/-0.039 χ^2/NDF: 406145.0/53

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 189.049+/-0.907 χ^2/NDF: 2813.3/26

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 191.335+/-0.795 χ^2/NDF: 6992.0/30

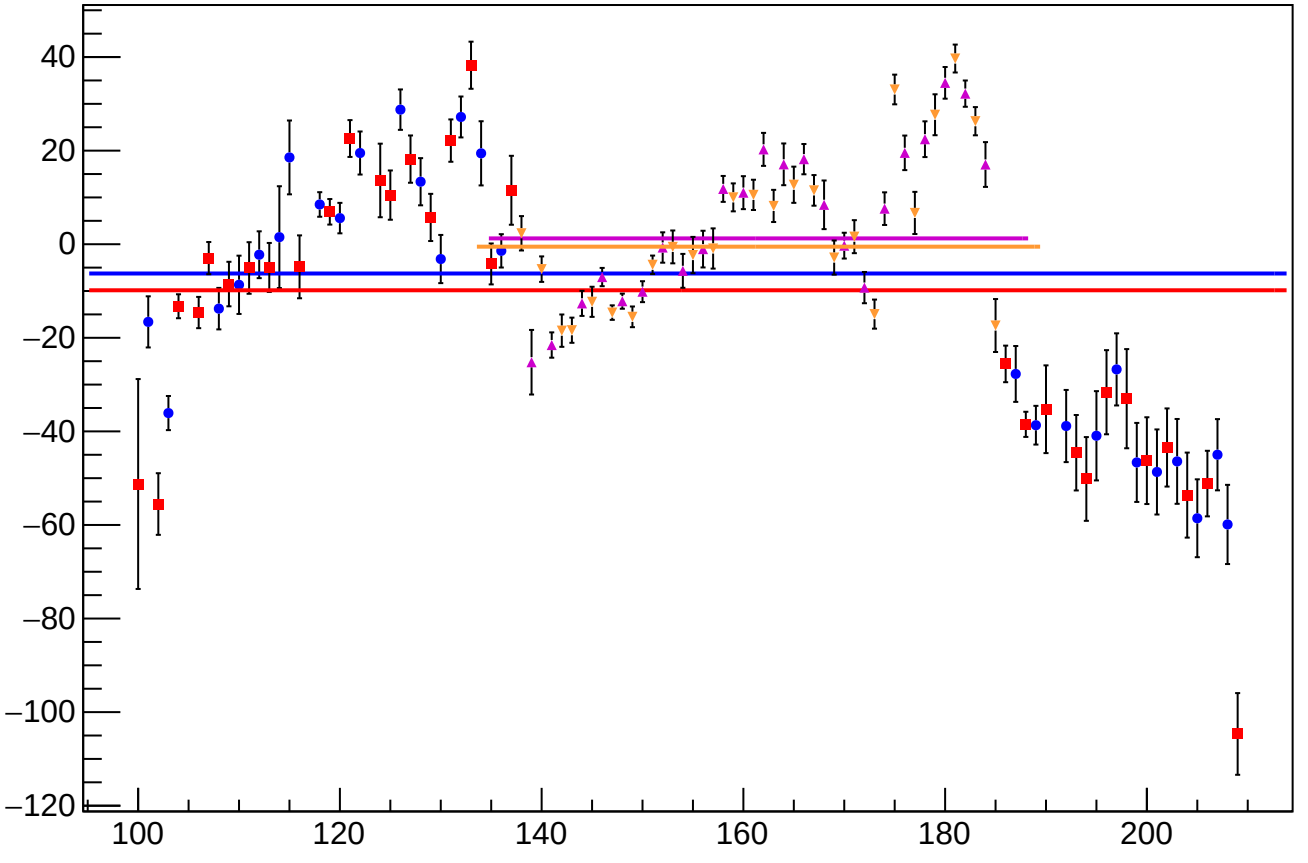
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 181.404+/-0.609 χ^2/NDF: 5237.8/51

All: 183.058+/-0.420 χ^2/NDF: 14155.2/105

- sign 184.556+/-0.580 χ^2/NDF: 8903.3/53

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.257+/-0.983 χ^2/NDF: 598.6/26

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -9.843+/-0.873 χ^2/NDF: 776.9/30

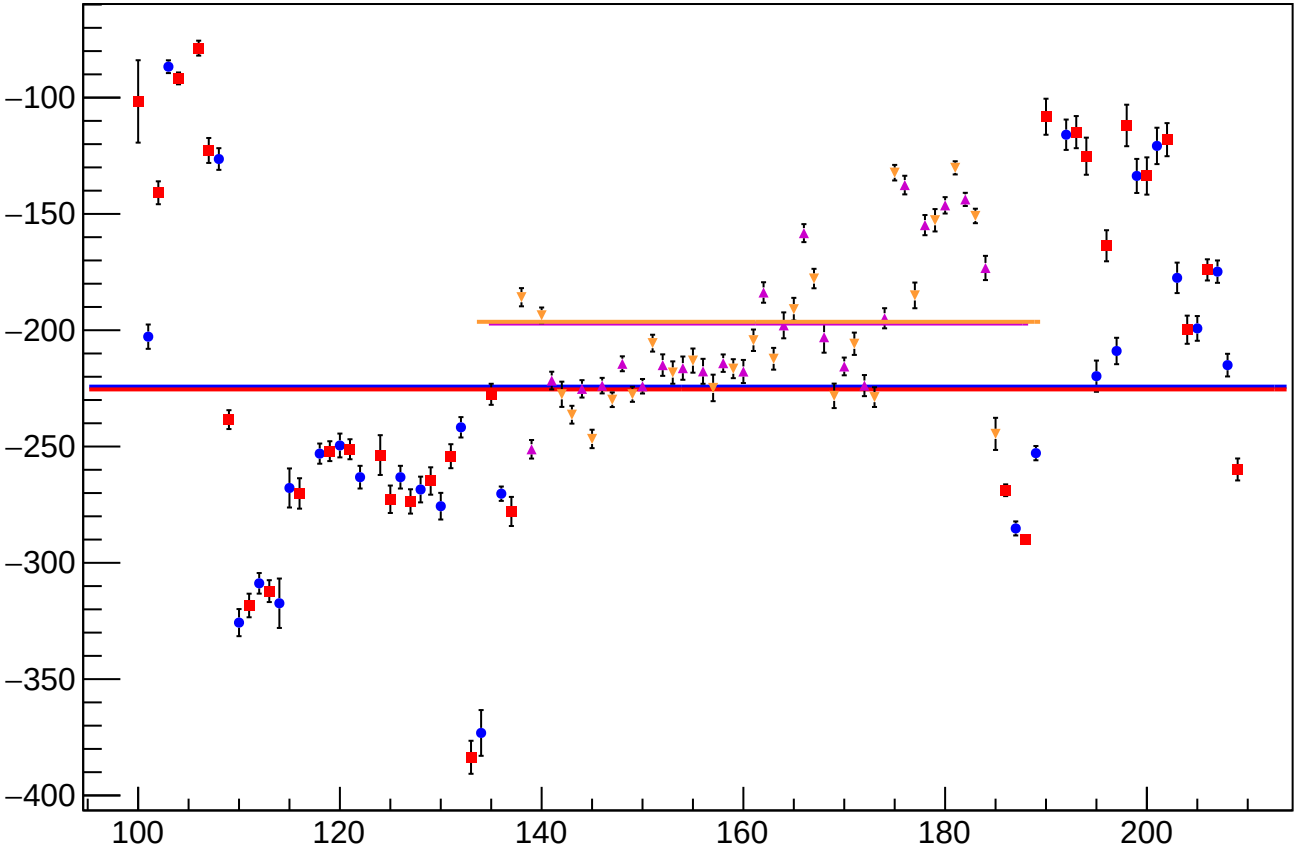
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -2.082+/-0.513 χ^2/NDF: 1347.8/51

All: -2.301+/-0.361 χ^2/NDF: 2852.3/105

- sign -2.517+/-0.508 χ^2/NDF: 1504.1/53

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -224.254+/-0.915 χ^2/NDF: 5828.9/26

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -225.446+/-0.776 χ^2/NDF: 10607.2/30

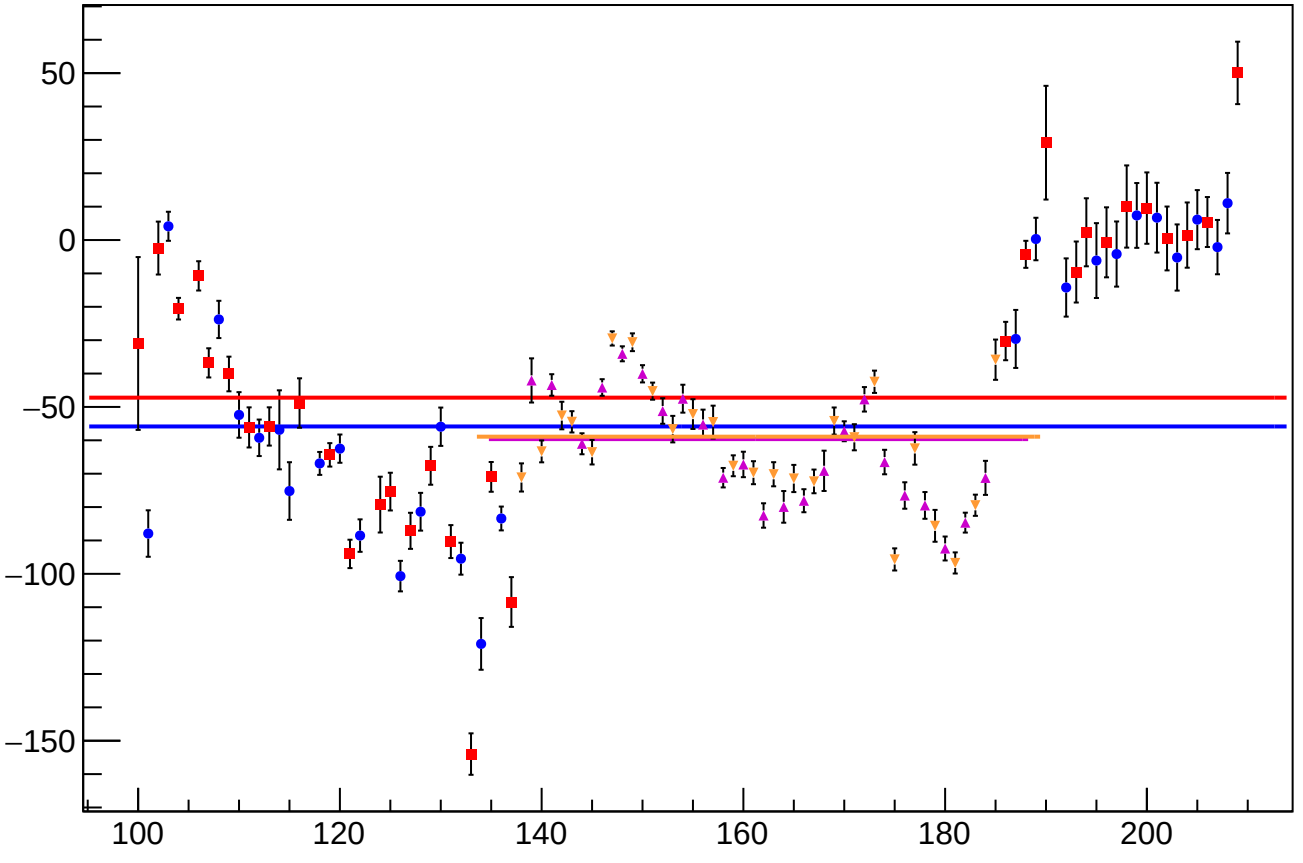
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -208.731+/-0.609 χ^2/NDF: 8344.0/51

All: -210.666+/-0.416 χ^2/NDF: 21187.4/105

- sign -212.356+/-0.569 χ^2/NDF: 12824.5/53

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -55.850+/-1.153 χ^2/NDF: 1032.1/26

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -47.219+/-1.051 χ^2/NDF: 1360.0/30

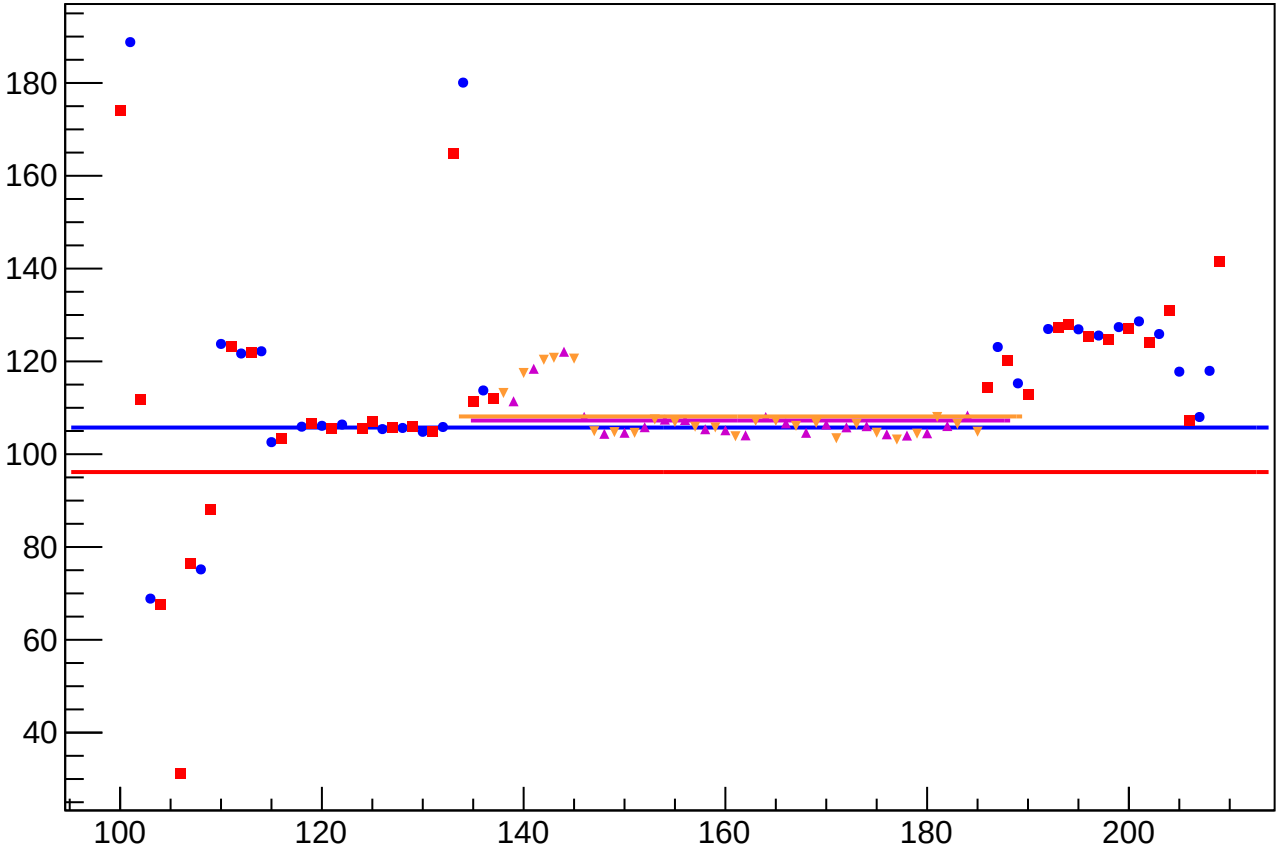
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -58.095+/-0.595 χ^2/NDF: 1819.8/51

All: -56.886+/-0.420 χ^2/NDF: 3880.2/105

\- sign -55.685+/-0.593 χ^2/NDF: 2052.2/53

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 105.745+/-0.055 χ^2/NDF: 273417.4/26

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

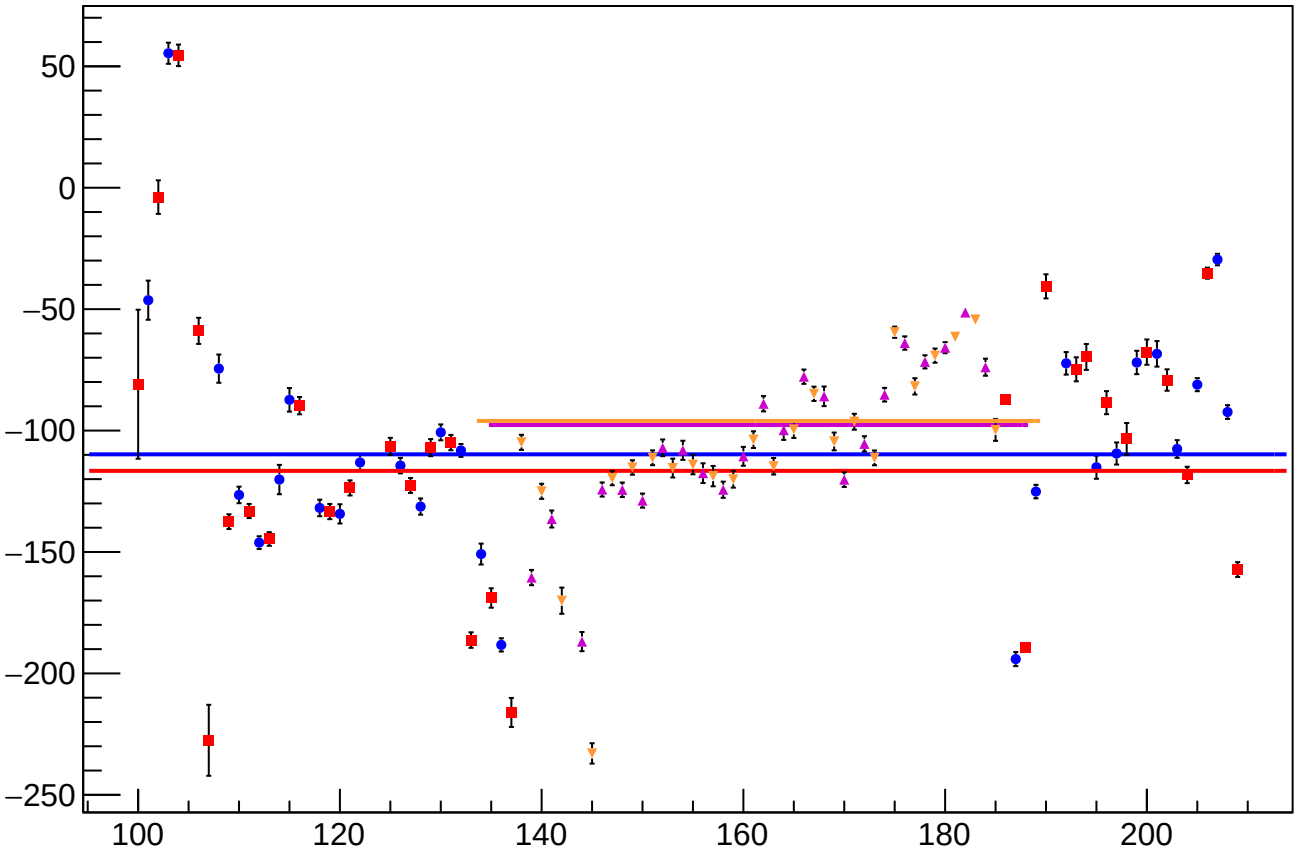
Right Out: 96.152+/-0.051 χ^2/NDF: 397914.7/30

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

\+ sign 107.518+/-0.028 χ^2/NDF: 301239.6/51

All: 105.723+/-0.020 χ^2/NDF: 758057.1/105

\- sign 103.978+/-0.028 χ^2/NDF: 448681.7/53



Right In: -109.780+/-0.668 χ^2/NDF: 5186.1/26

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -116.581+/-0.608 χ^2/NDF: 7496.5/29

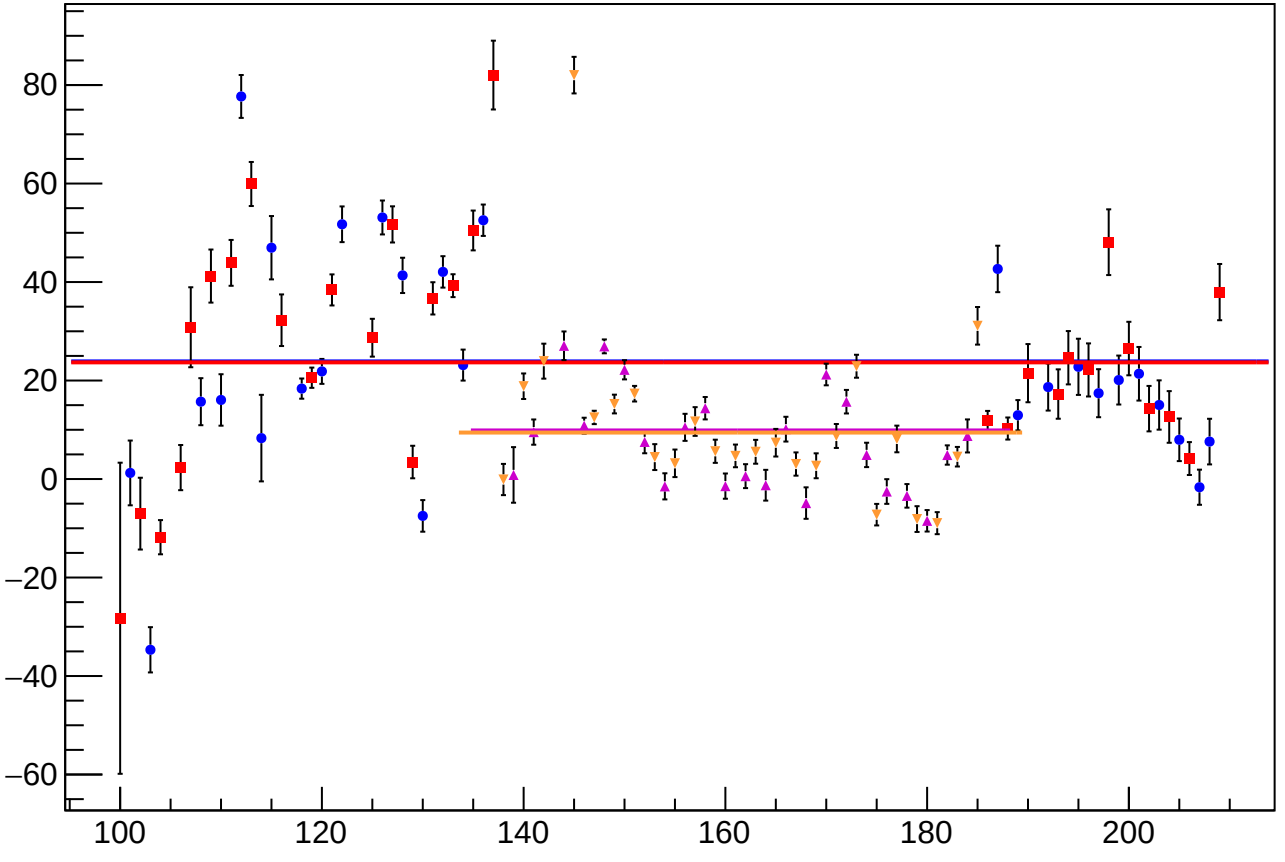
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -102.554+/-0.460 χ^2/NDF: 8179.7/50

All: -105.197+/-0.318 χ^2/NDF: 18838.5/103

\- sign -107.615+/-0.440 χ^2/NDF: 10595.6/52

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 23.884+/-0.740 χ^2/NDF: 832.4/26

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

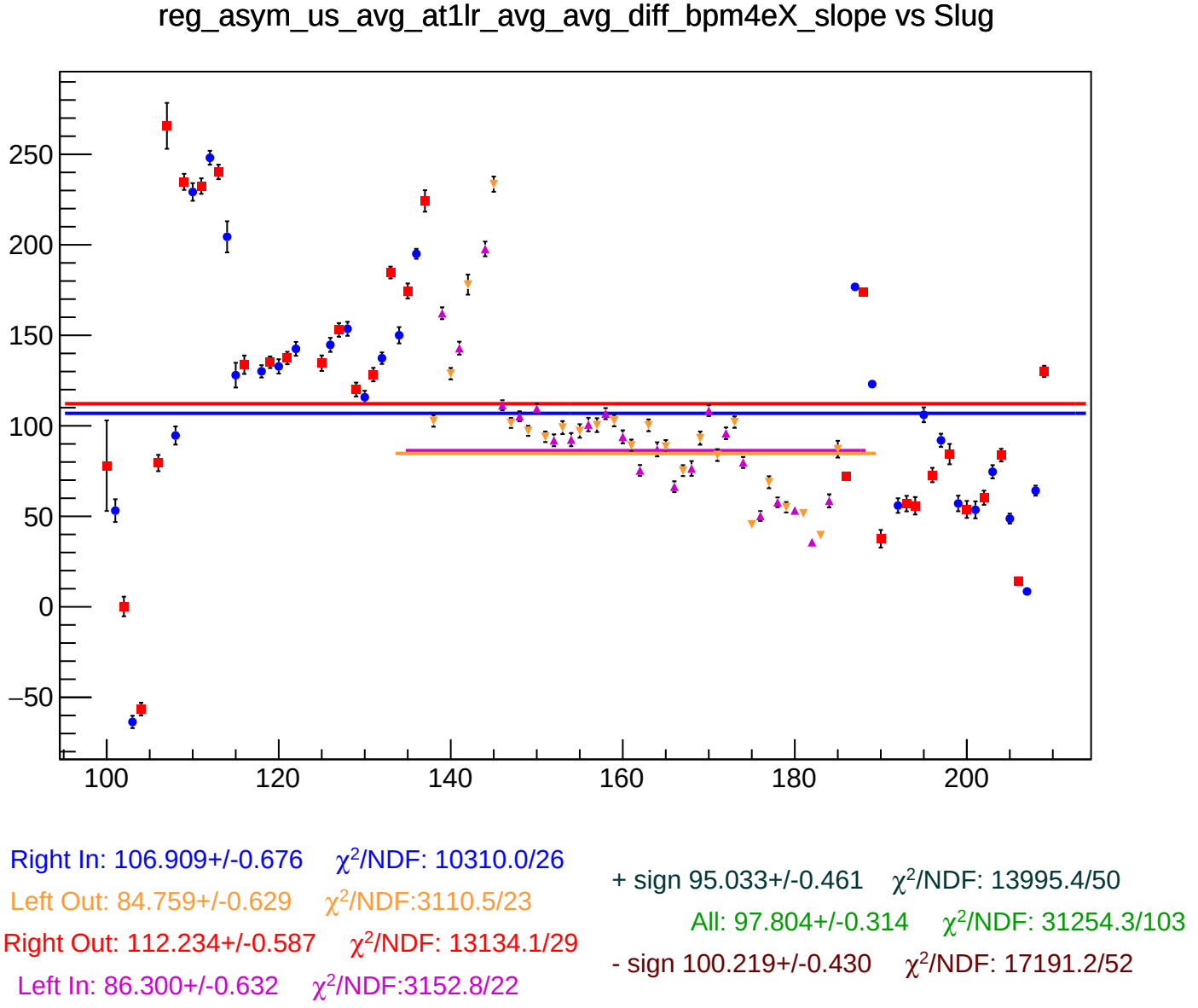
Right Out: 23.690+/-0.690 χ^2/NDF: 675.6/29

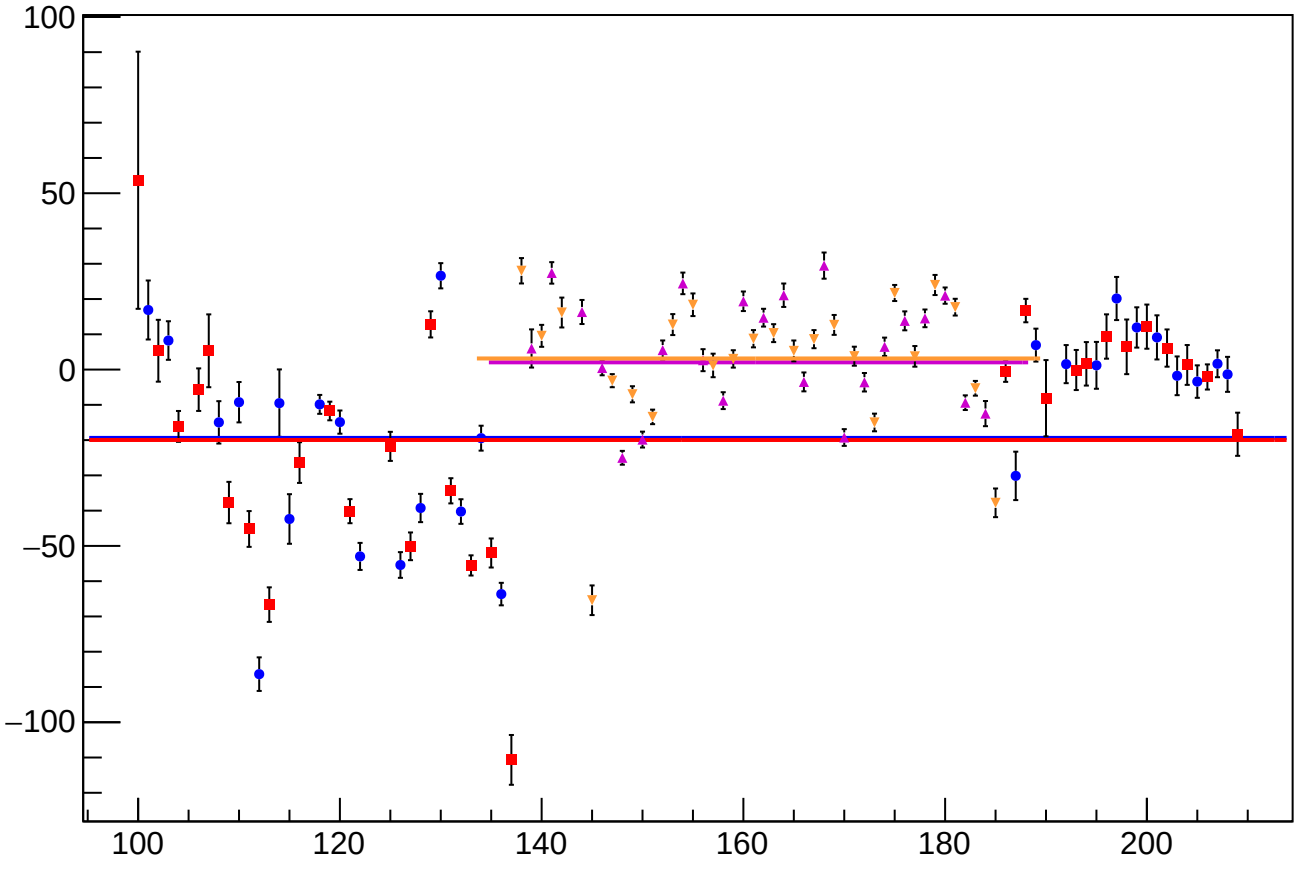
Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.694+/-0.401 χ^2/NDF: 1837.8/50

All: 14.079+/-0.283 χ^2/NDF: 3268.9/103

- sign 14.458+/-0.398 χ^2/NDF: 1429.2/52


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: 106.909+/-0.676 χ²/NDF: 10310.0/26
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 112.234+/-0.587 χ²/NDF: 13134.1/29
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
+ sign 95.033+/-0.461 χ²/NDF: 13995.4/50
All: 97.804+/-0.314 χ²/NDF: 31254.3/103
- sign 100.219+/-0.430 χ²/NDF: 17191.2/52



Right In: -19.377+/-0.860 χ^2/NDF: 1082.5/26

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

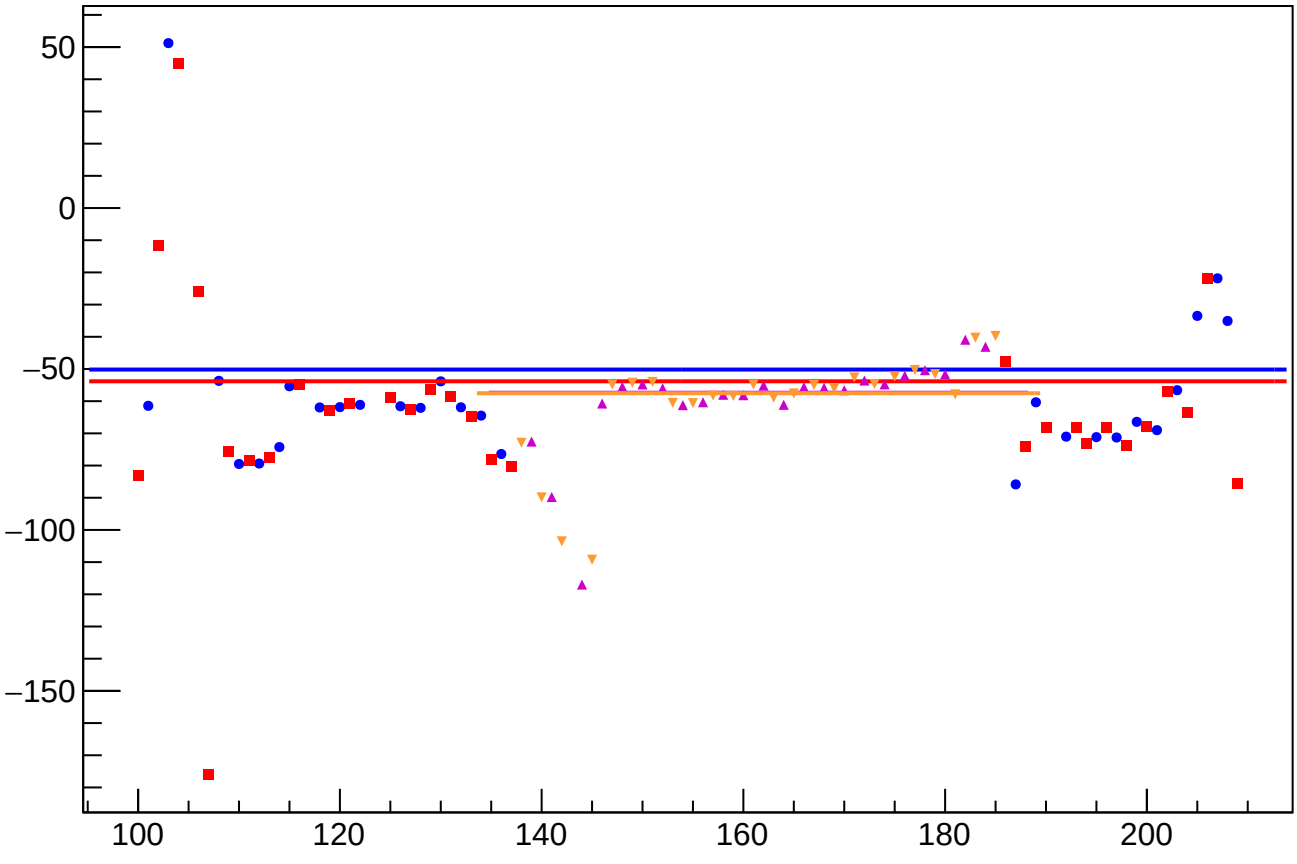
Right Out: -19.962+/-0.829 χ^2/NDF: 1042.3/29

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.288+/-0.460 χ^2/NDF: 2387.1/50

All: -3.994+/-0.325 χ^2/NDF: 4774.0/103

\- sign -4.697+/-0.459 χ^2/NDF: 2382.3/52



Right In: -50.177+/-0.041 χ^2/NDF: 703456.1/26

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.828+/-0.041 χ^2/NDF: 632061.7/29

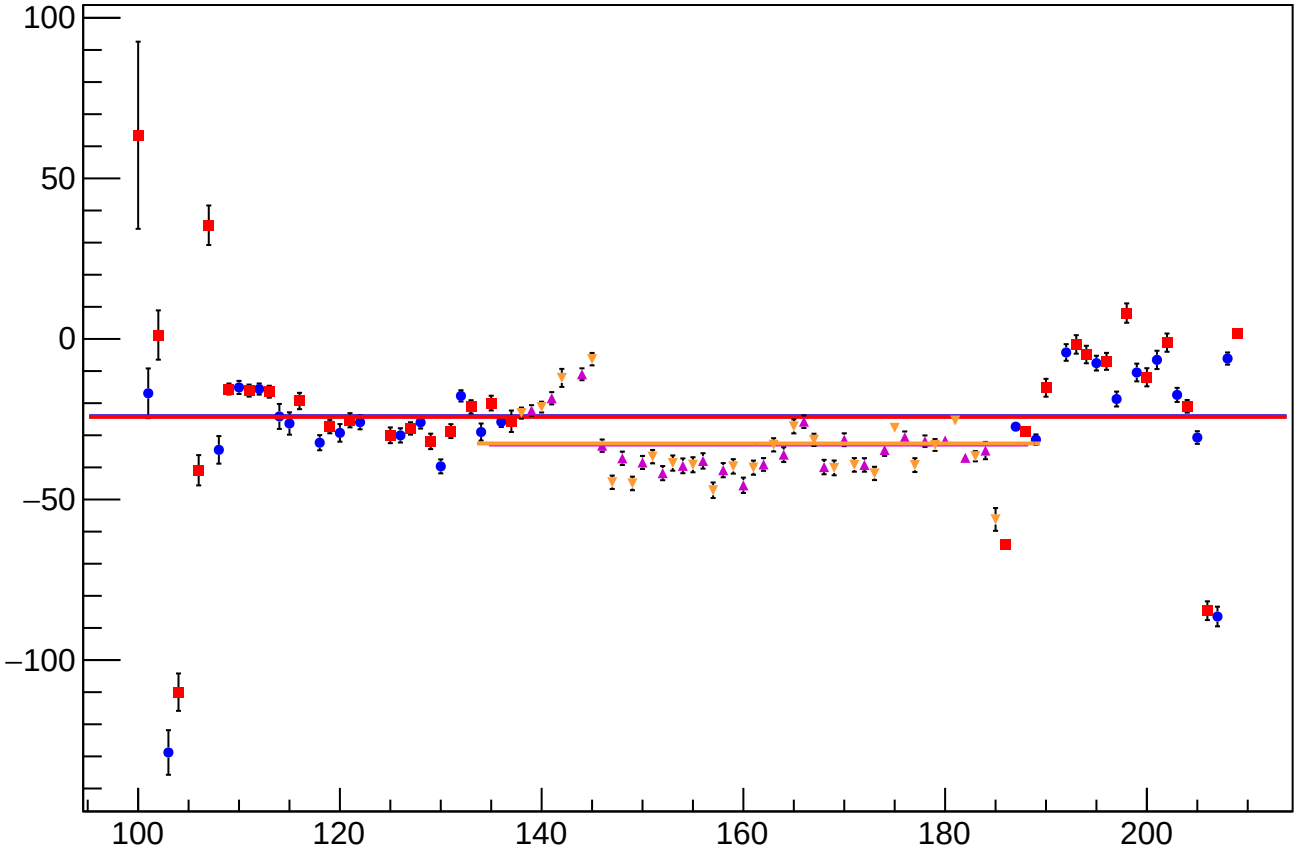
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.591+/-0.021 χ^2/NDF: 993760.5/50

All: -56.014+/-0.015 χ^2/NDF: 1859198.4/103

- sign -56.436+/-0.021 χ^2/NDF: 864647.0/52

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -24.076+/-0.432 χ^2/NDF: 1099.9/26

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

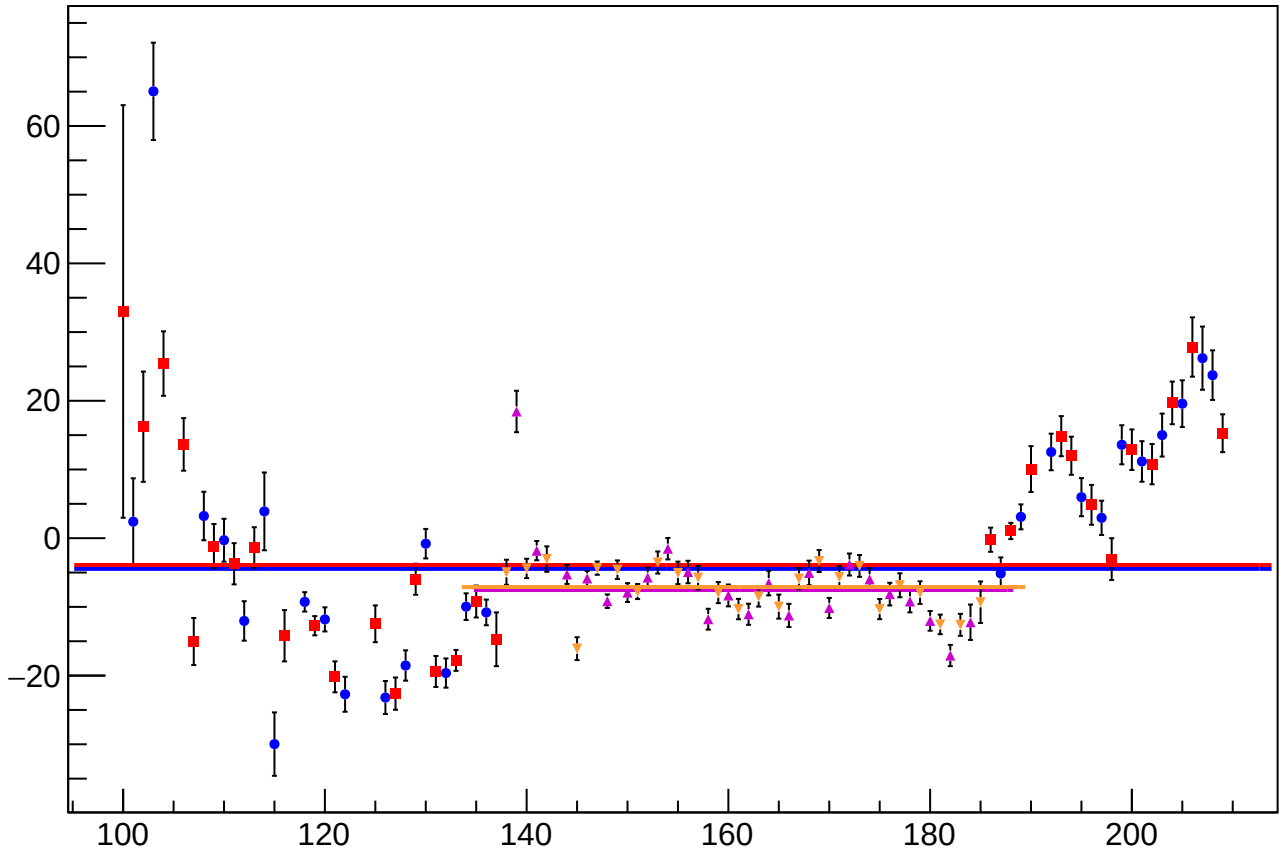
Right Out: -24.258+/-0.390 χ^2/NDF: 2365.5/29

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -28.566+/-0.296 χ^2/NDF: 1907.6/50

All: -28.446+/-0.205 χ^2/NDF: 4877.3/103

- sign -28.335+/-0.283 χ^2/NDF: 2969.4/52



Right In: -4.467+/-0.485 χ^2/NDF: 742.7/26

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

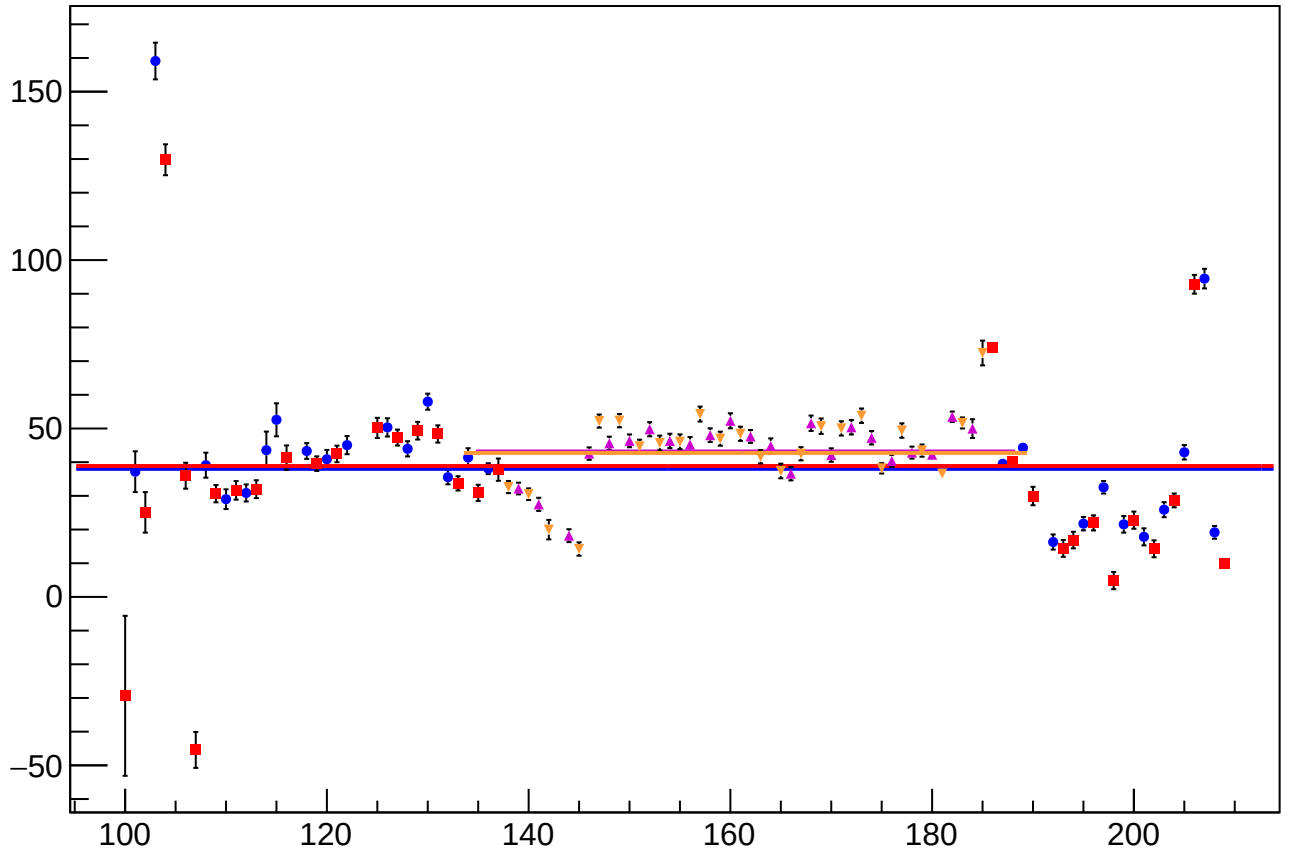
Right Out: -3.903+/-0.455 χ^2/NDF: 737.8/29

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.347+/-0.261 χ^2/NDF: 873.3/50

All: -6.356+/-0.184 χ^2/NDF: 1854.2/103

- sign -6.365+/-0.259 χ^2/NDF: 980.9/52



Right In: 38.034+/-0.434 χ^2/NDF: 1444.0/26

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 38.856+/-0.378 χ^2/NDF: 3065.9/29

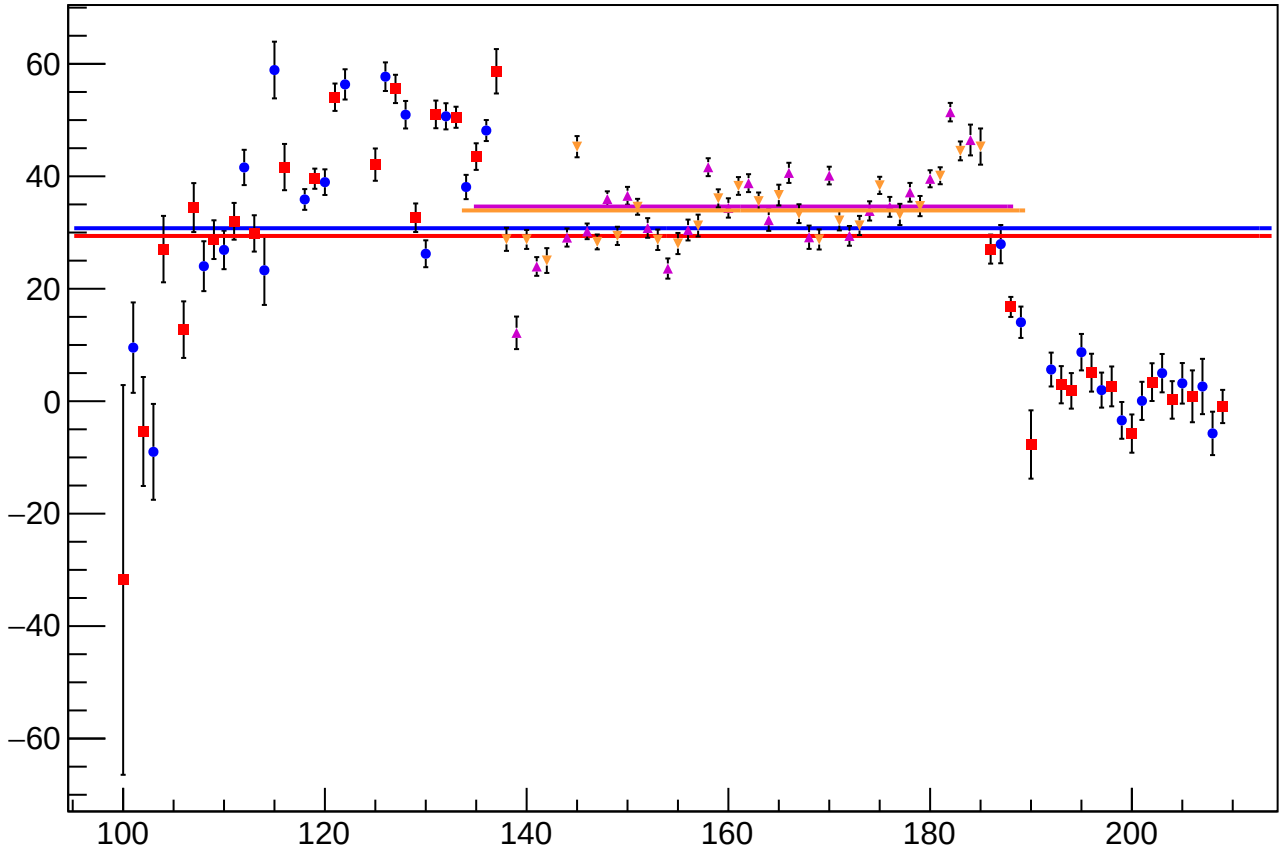
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 40.561+/-0.295 χ^2/NDF: 2138.8/50

All: 40.715+/-0.202 χ^2/NDF: 5678.5/103

- sign 40.850+/-0.277 χ^2/NDF: 3539.2/52

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 30.768+/-0.567 χ^2/NDF: 1209.7/26

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

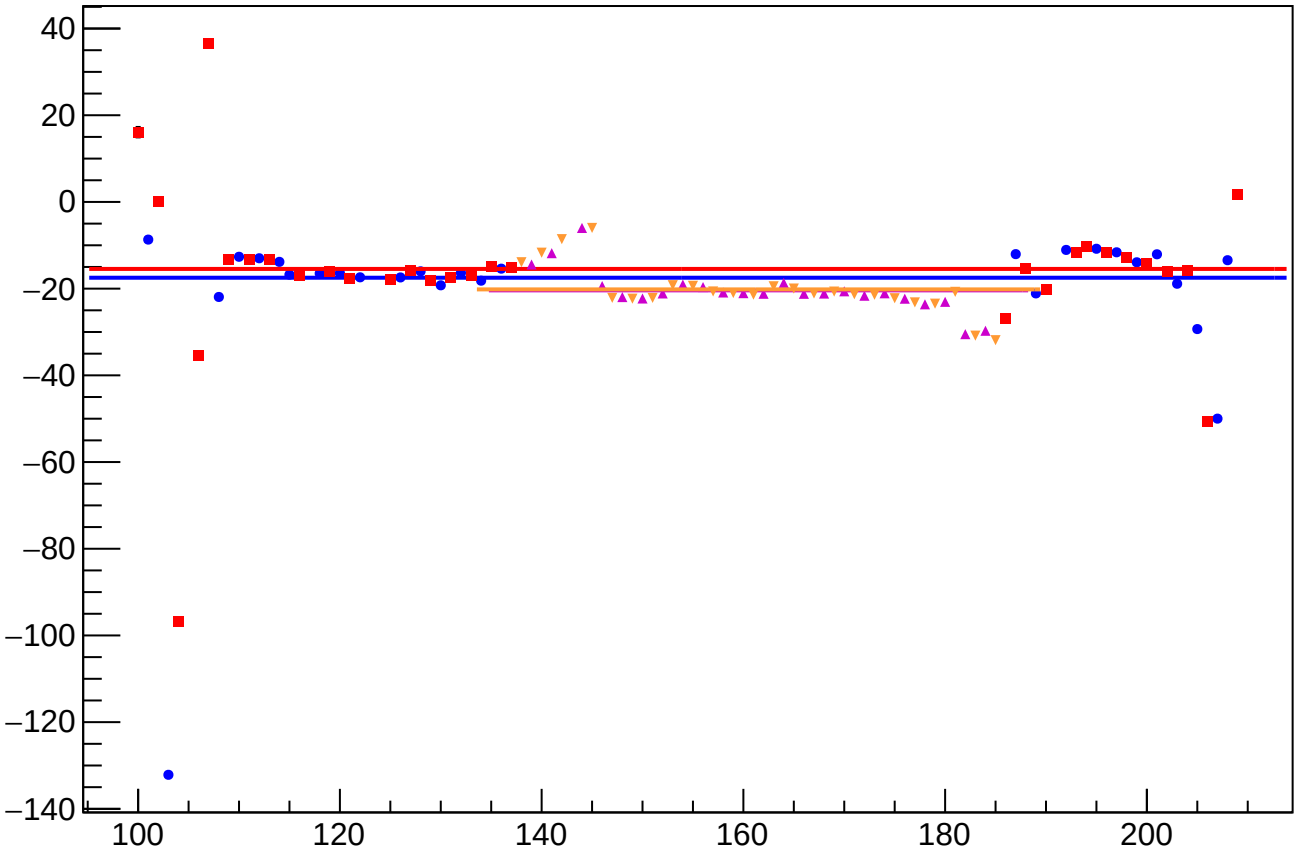
Right Out: 29.392+/-0.546 χ^2/NDF: 1321.1/29

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 33.054+/-0.298 χ^2/NDF: 1448.7/50

All: 33.058+/-0.211 χ^2/NDF: 3210.2/103

- sign 33.063+/-0.298 χ^2/NDF: 1761.5/52



Right In: -17.482+/-0.027 χ^2/NDF: 304339.7/26

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.452+/-0.027 χ^2/NDF: 272703.8/29

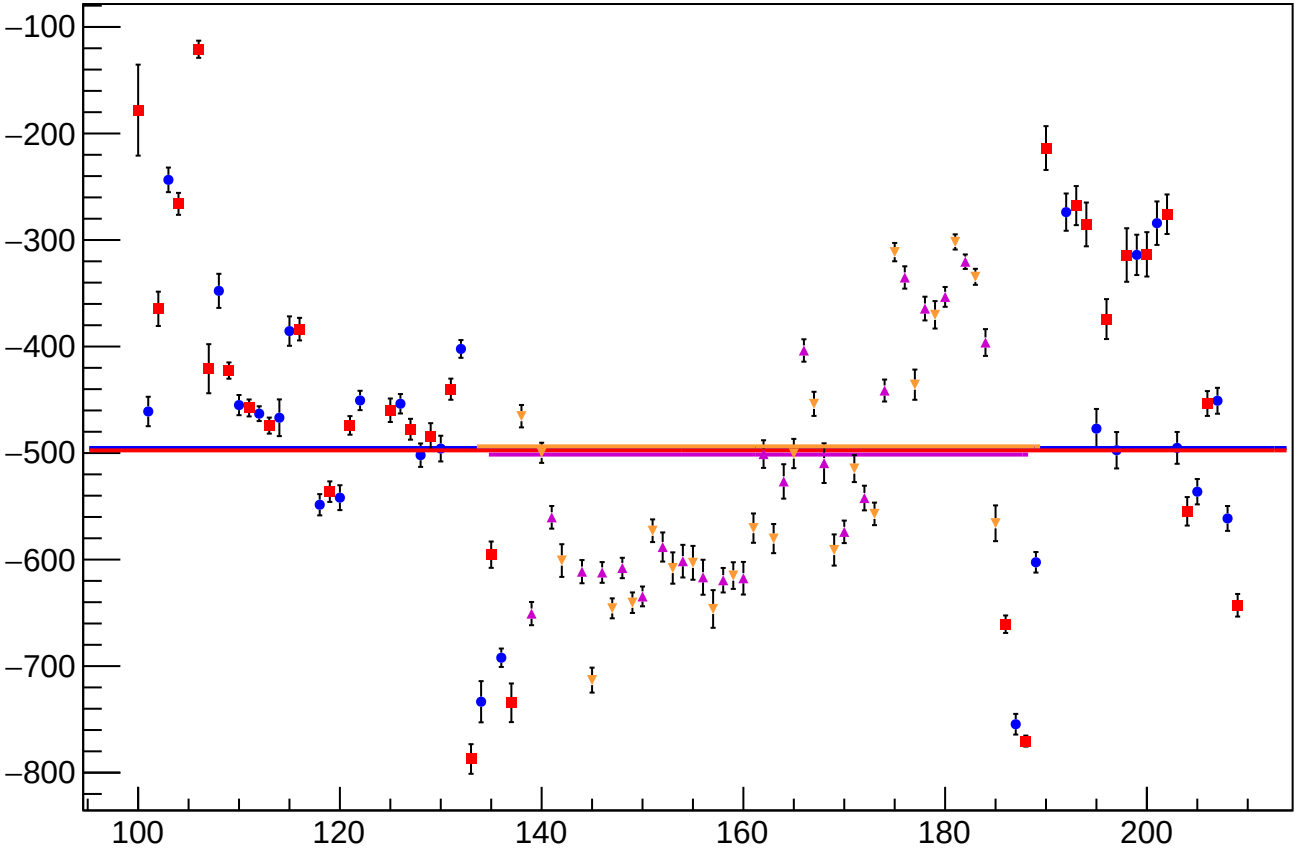
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.503+/-0.014 χ^2/NDF: 411547.1/50

All: -19.304+/-0.010 χ^2/NDF: 791414.0/103

- sign -19.107+/-0.014 χ^2/NDF: 379444.8/52

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -495.255+/-2.203 χ^2/NDF: 2811.5/26

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

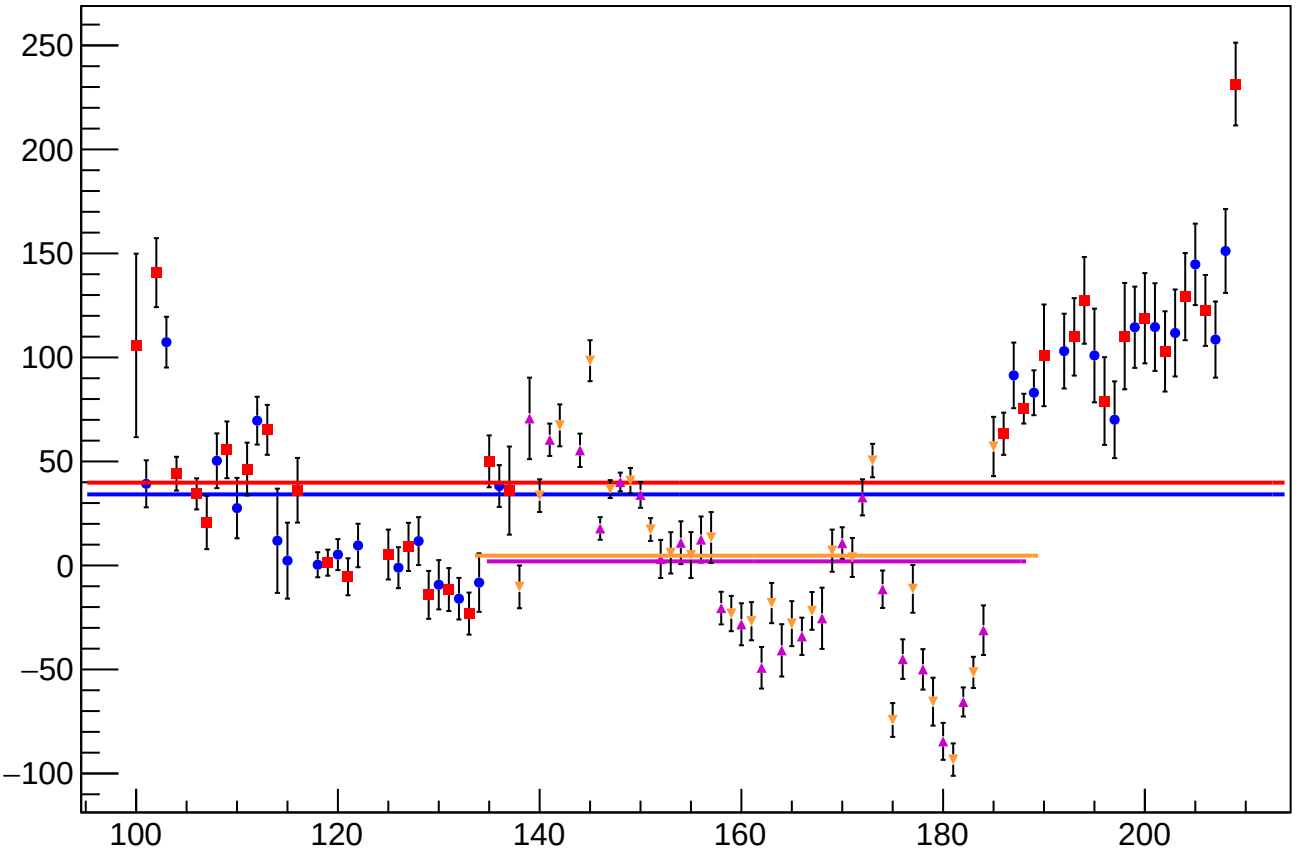
Right Out: -497.462+/-1.975 χ^2/NDF: 7996.8/29

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.520+/-1.589 χ^2/NDF: 5961.7/50

All: -496.962+/-1.091 χ^2/NDF: 16654.0/103

- sign -499.139+/-1.500 χ^2/NDF: 10687.8/52



Right In: 34.164+/-2.372 χ^2/NDF: 356.1/26

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 39.809+/-2.198 χ^2/NDF: 451.7/29

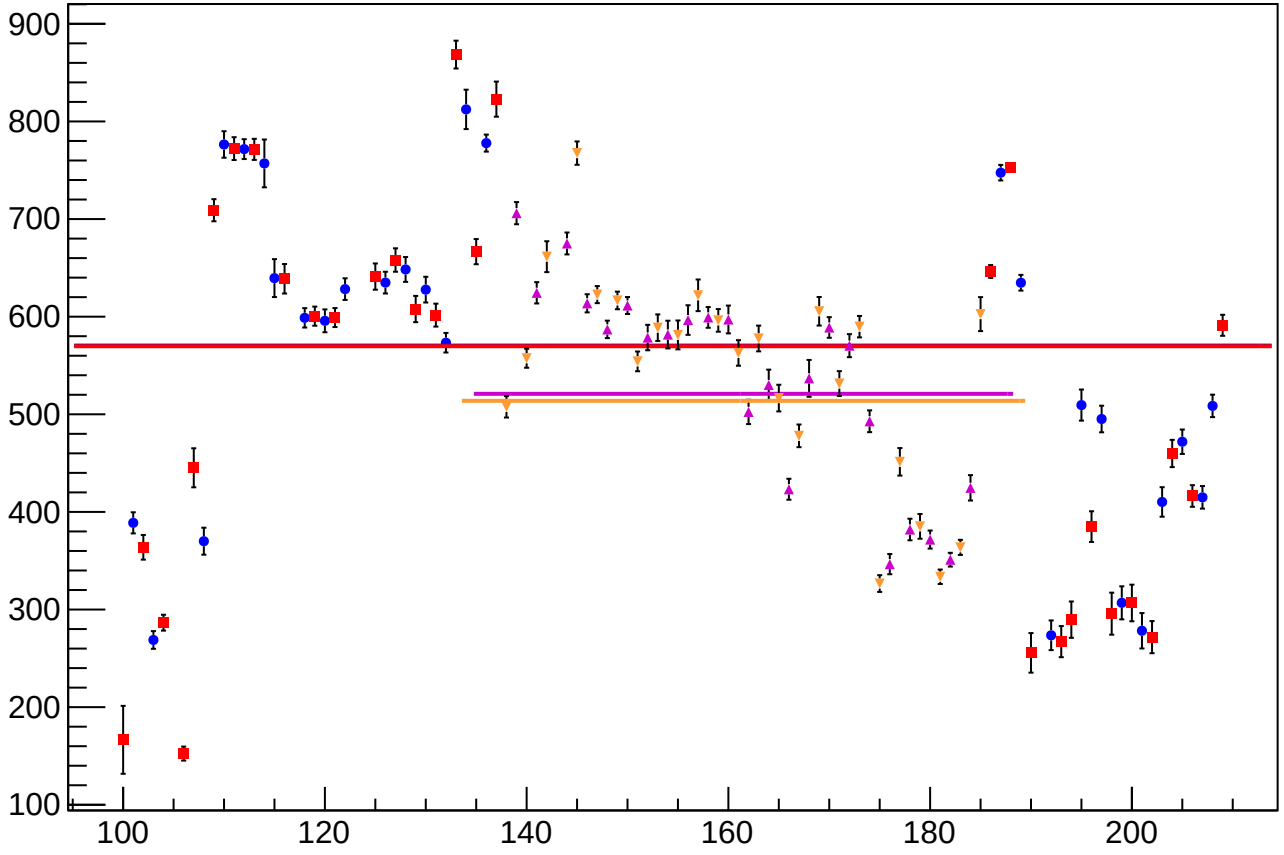
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 14.672+/-1.379 χ^2/NDF: 1138.5/50

All: 15.529+/-0.967 χ^2/NDF: 2335.4/103

- sign 16.358+/-1.356 χ^2/NDF: 1196.1/52

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 570.359+/-2.273 χ^2/NDF: 5000.8/26

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

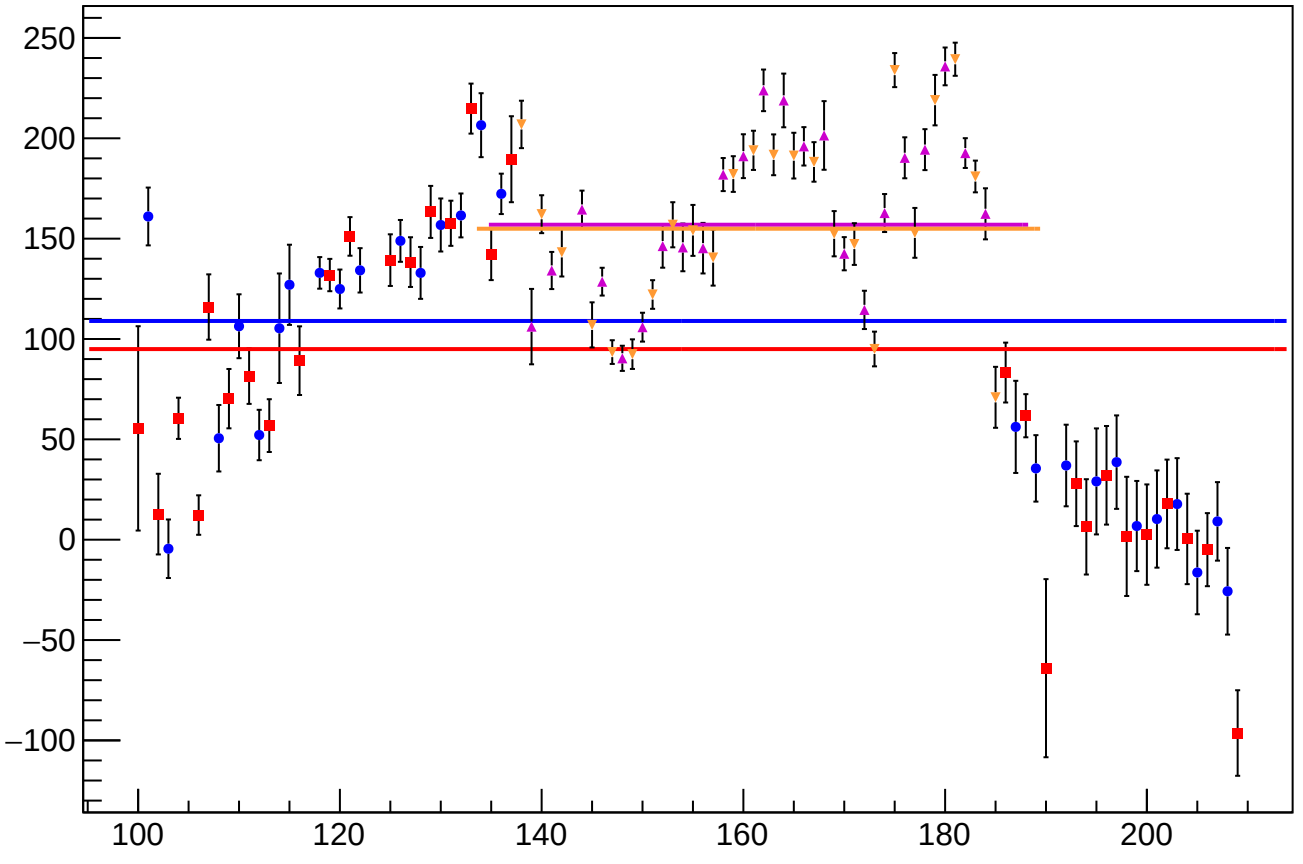
Right Out: 569.734+/-1.969 χ^2/NDF: 10671.0/29

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 542.146+/-1.609 χ^2/NDF: 8045.0/50

All: 545.806+/-1.093 χ^2/NDF: 21429.8/103

\- sign 548.950+/-1.491 χ^2/NDF: 13375.2/52



Right In: 108.983+/-2.781 χ^2/NDF: 466.2/26

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

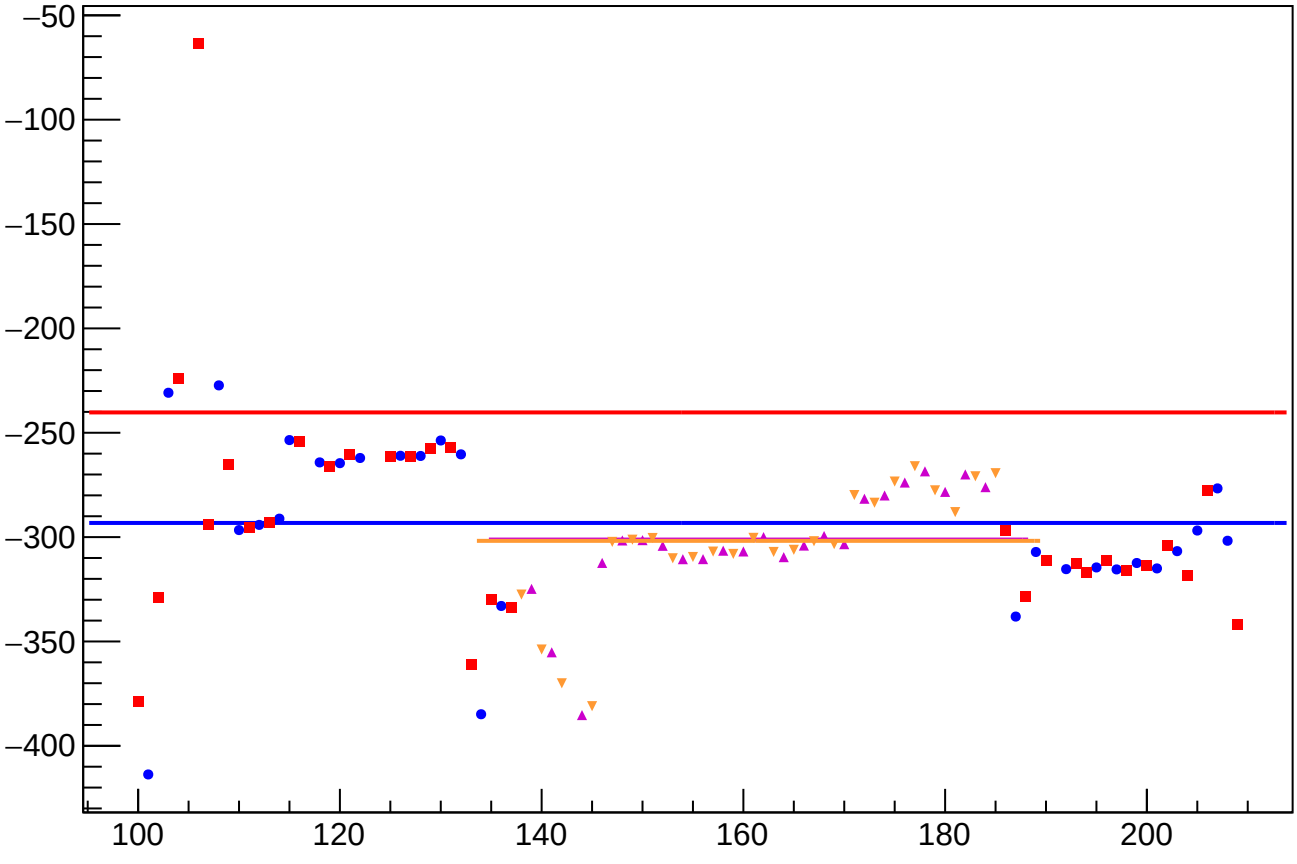
Right Out: 94.974+/-2.633 χ^2/NDF: 594.6/29

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 139.765+/-1.598 χ^2/NDF: 1258.0/50

All: 137.192+/-1.123 χ^2/NDF: 2655.8/103

- sign 134.684+/-1.578 χ^2/NDF: 1392.7/52



Right In: -293.209+/-0.142 χ^2/NDF: 113611.6/26

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -240.259+/-0.124 χ^2/NDF: 693537.4/29

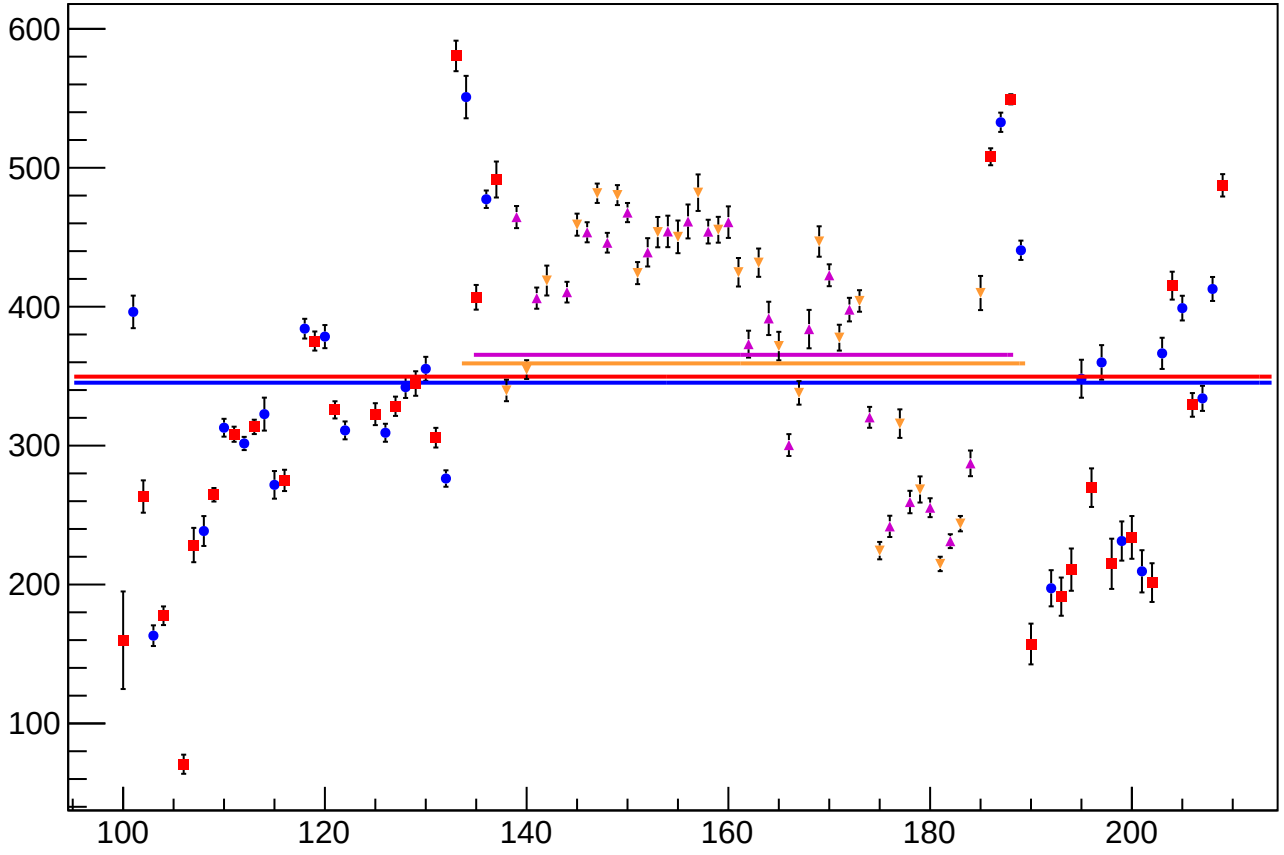
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.292+/-0.076 χ^2/NDF: 202925.0/50

All: -289.192+/-0.053 χ^2/NDF: 1163847.9/10

- sign -280.048+/-0.073 χ^2/NDF: 927680.0/52

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 345.296+/-1.572 χ^2/NDF: 3046.4/26

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

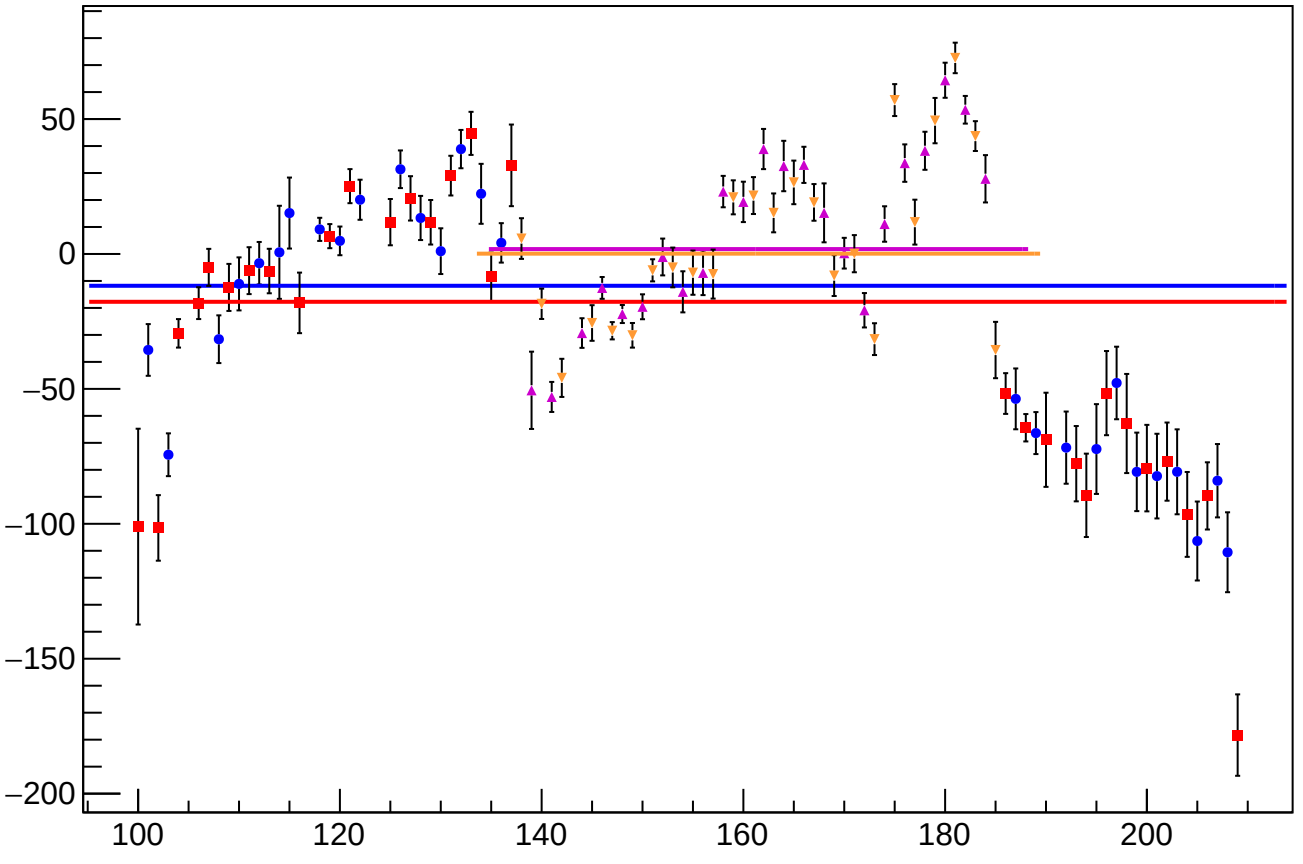
Right Out: 349.658+/-1.407 χ^2/NDF: 8331.0/29

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 351.775+/-1.148 χ^2/NDF: 6270.7/50

All: 354.053+/-0.787 χ^2/NDF: 17399.6/103

- sign 356.075+/-1.082 χ^2/NDF: 11121.4/52



Right In: -11.789+/-1.700 χ^2/NDF: 526.4/26

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

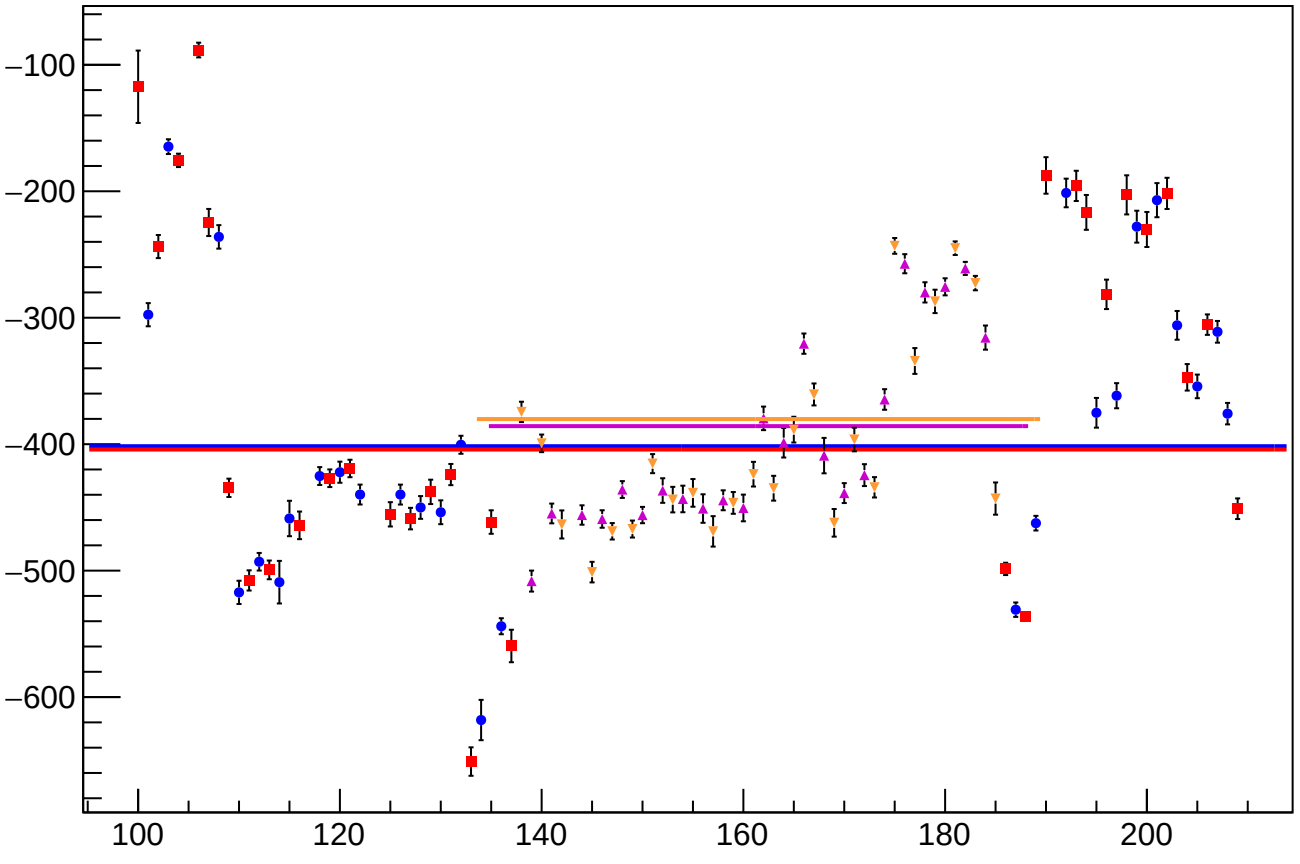
Right Out: -17.725+/-1.559 χ^2/NDF: 668.7/29

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -4.048+/-1.005 χ^2/NDF: 1196.2/50

All: -5.024+/-0.703 χ^2/NDF: 2538.3/103

\- sign -5.957+/-0.983 χ^2/NDF: 1340.3/52



Right In: -401.602+/-1.629 χ^2/NDF: 4861.7/26

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -404.237+/-1.409 χ^2/NDF: 10687.7/29

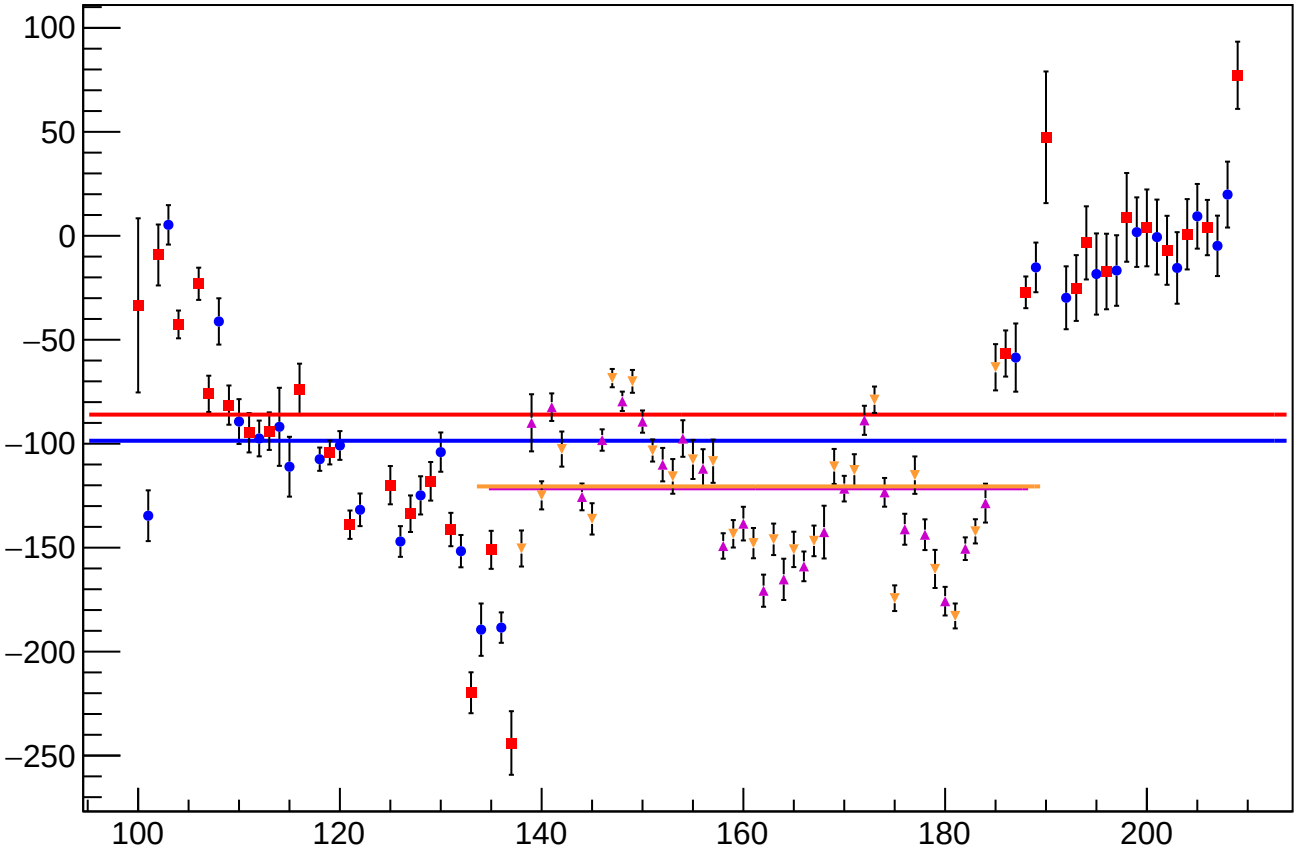
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -391.134+/-1.166 χ^2/NDF: 7564.9/50

All: -394.065+/-0.792 χ^2/NDF: 20697.0/103

- sign -396.574+/-1.079 χ^2/NDF: 13120.4/52

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -98.578+/-1.993 χ^2/NDF: 828.3/26

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

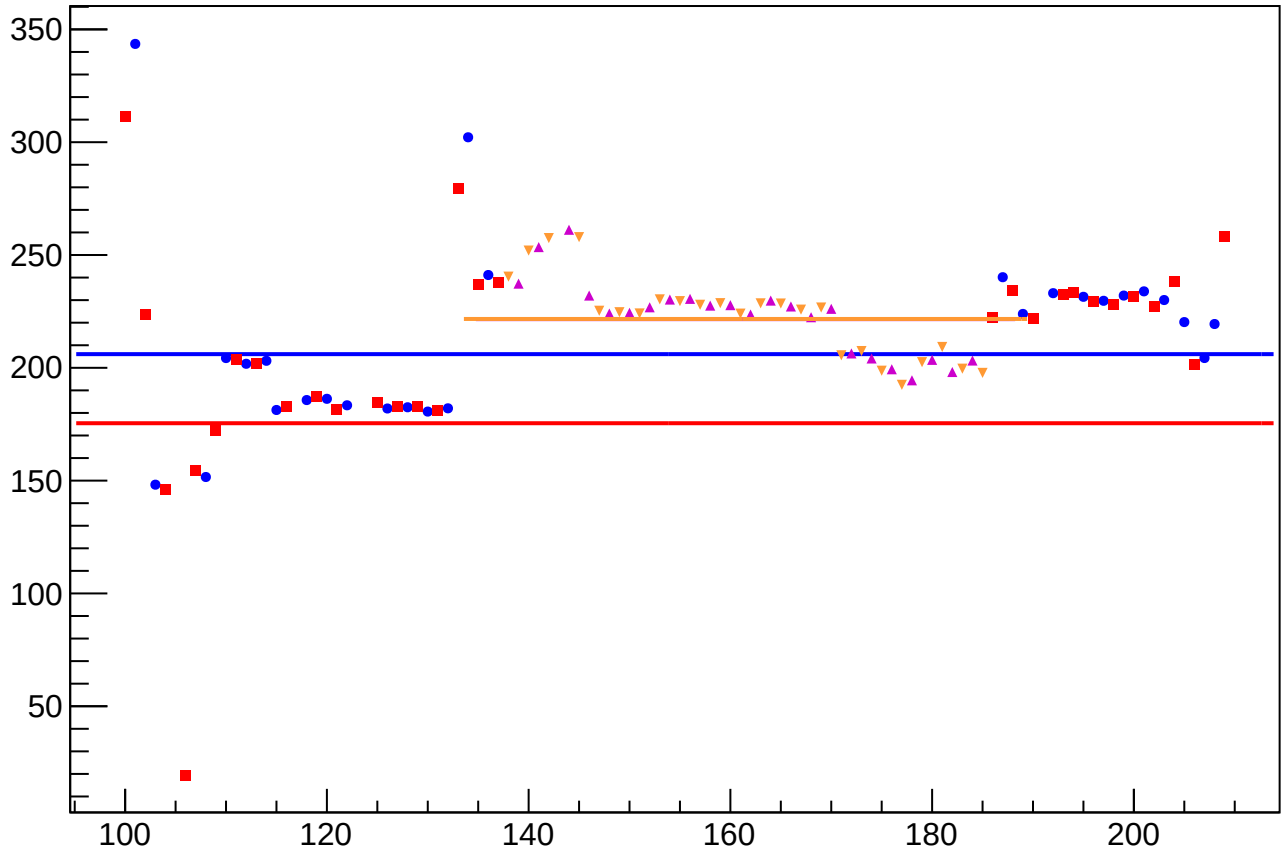
Right Out: -86.001+/-1.866 χ^2/NDF: 1031.2/29

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -113.041+/-1.165 χ^2/NDF: 1519.8/50

All: -110.535+/-0.816 χ^2/NDF: 3217.8/103

\- sign -108.113+/-1.145 χ^2/NDF: 1688.9/52



Right In: 206.060+/-0.101 χ^2/NDF: 201564.0/26

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

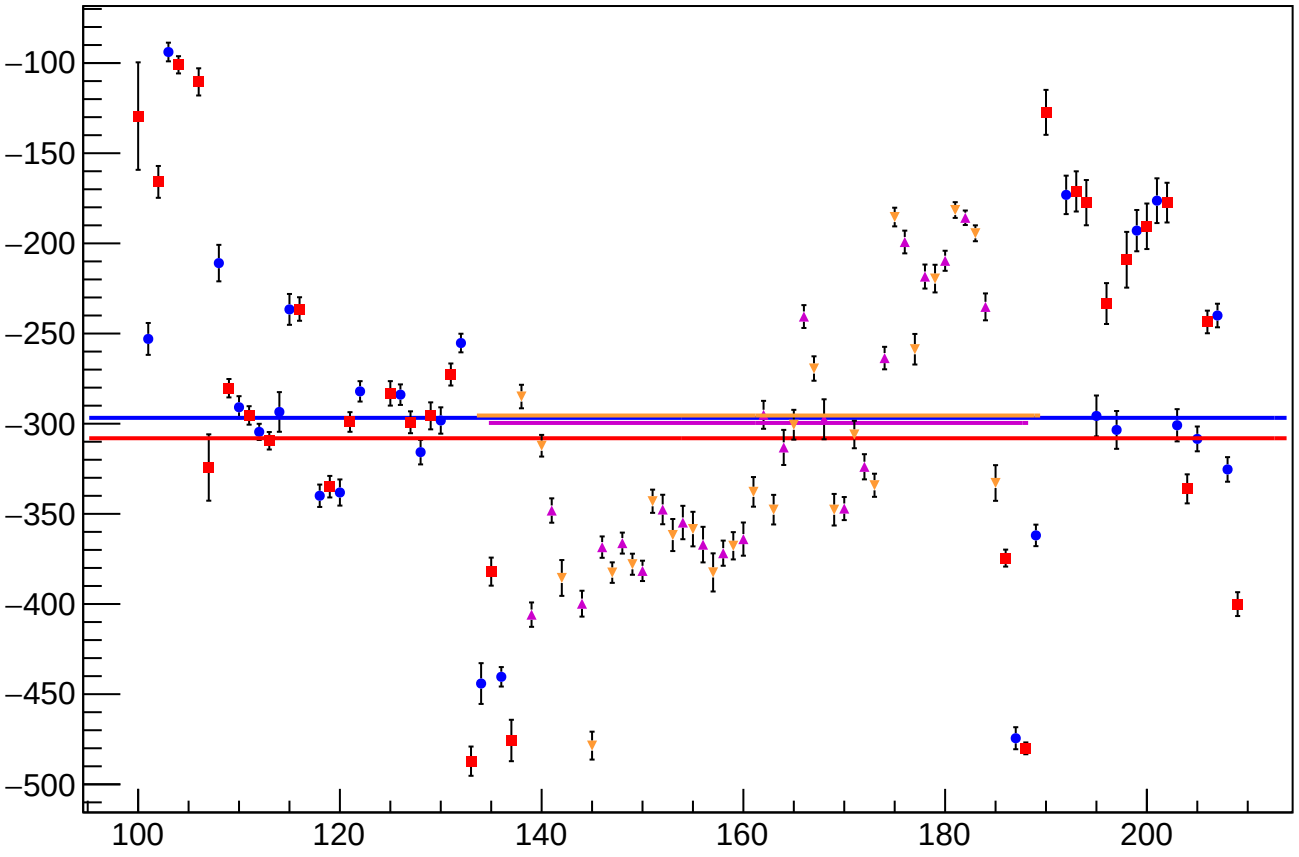
Right Out: 175.442+/-0.091 χ^2/NDF: 662390.9/29

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 216.945+/-0.056 χ^2/NDF: 285284.0/50

All: 211.094+/-0.039 χ^2/NDF: 1198311.8/103

- sign 205.677+/-0.054 χ^2/NDF: 891786.5/52



Right In: -296.760+/-1.338 χ^2/NDF: 4103.0/26

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -308.070+/-1.227 χ^2/NDF: 7925.7/29

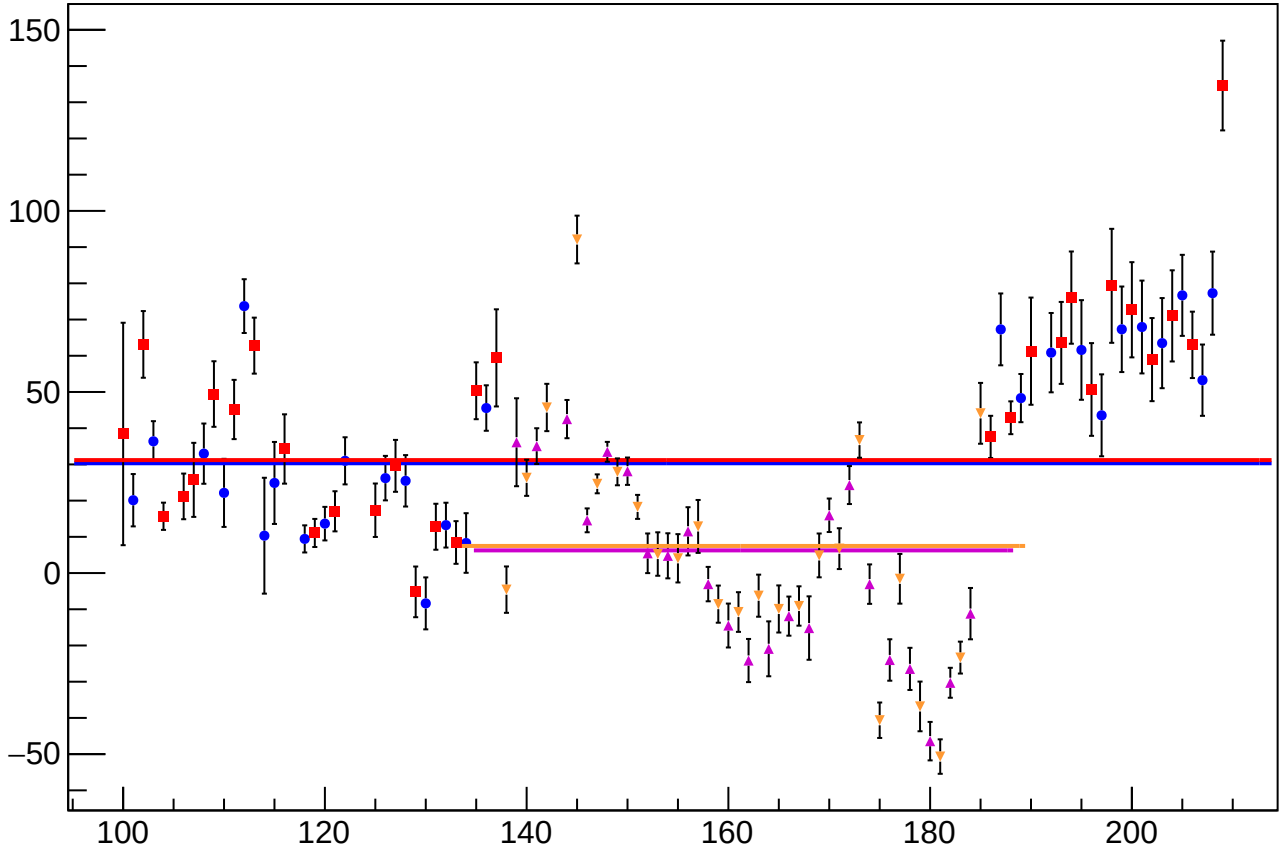
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

\+ sign -296.138+/-0.965 χ^2/NDF: 7449.8/50

All: -300.446+/-0.667 χ^2/NDF: 18406.2/103

\- sign -304.377+/-0.922 χ^2/NDF: 10918.3/52

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 30.315+/-1.443 χ^2/NDF: 235.2/26

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

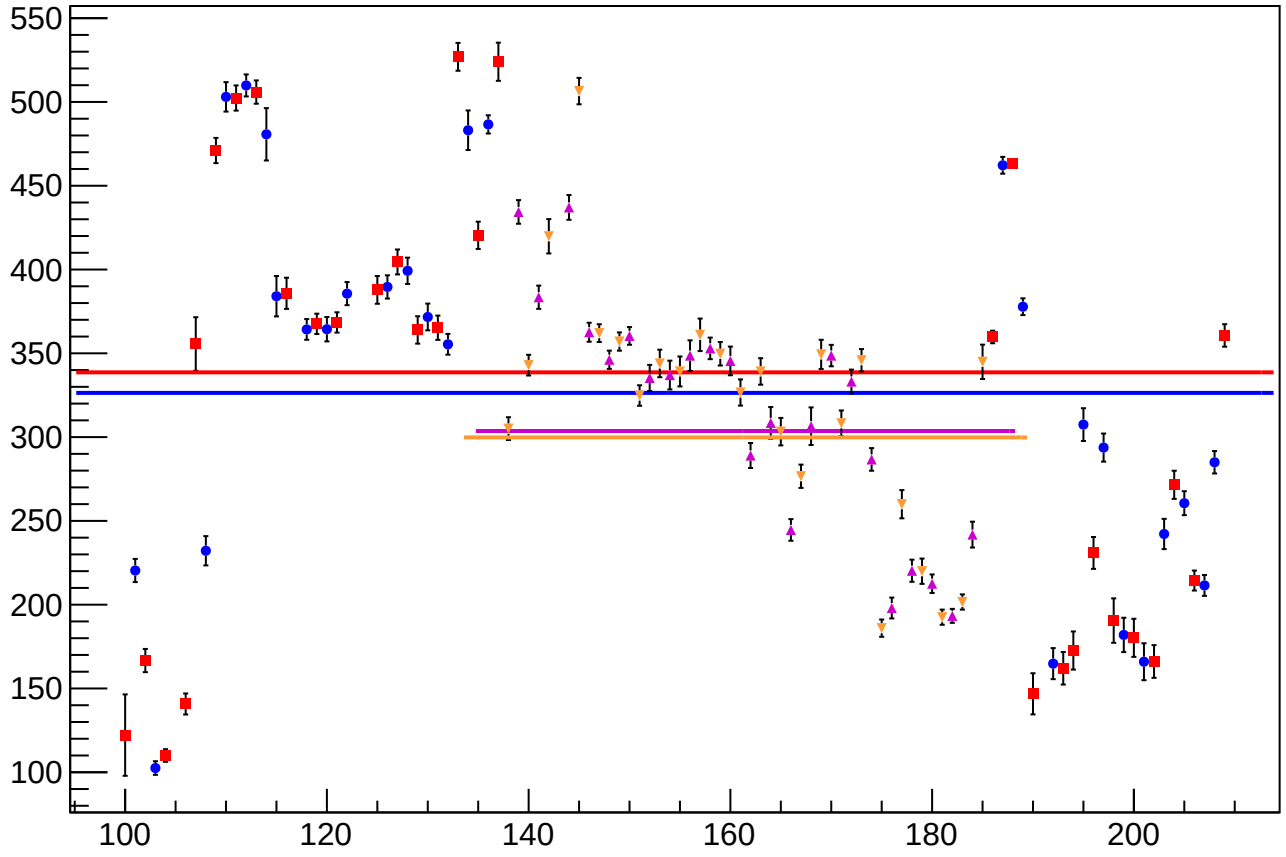
Right Out: 31.189+/-1.347 χ^2/NDF: 305.3/29

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 15.189+/-0.838 χ^2/NDF: 1139.5/50

All: 15.409+/-0.588 χ^2/NDF: 2218.1/103

\- sign 15.623+/-0.826 χ^2/NDF: 1078.5/52



Right In: 326.389+/-1.360 χ^2/NDF: 8214.9/26

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 338.641+/-1.206 χ^2/NDF: 12152.1/29

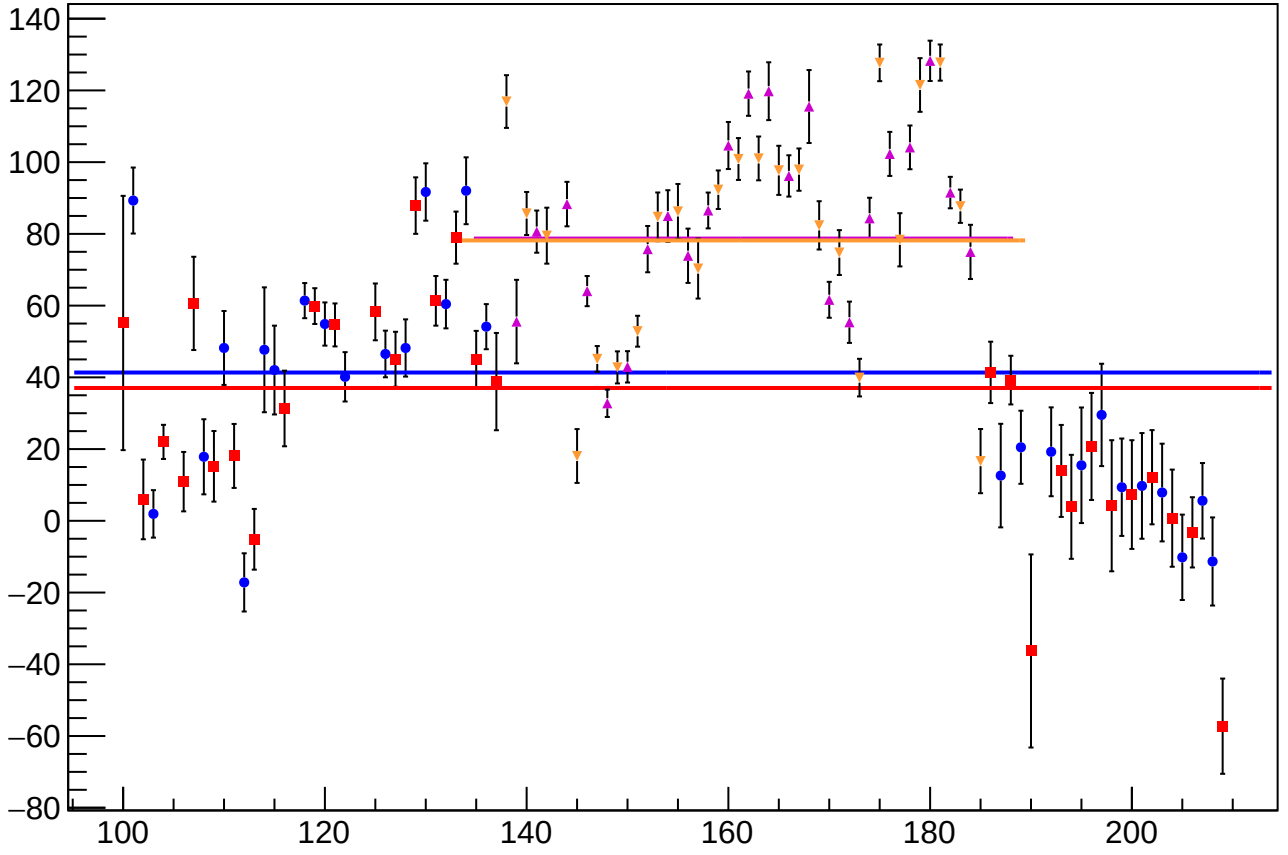
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 313.314+/-0.969 χ^2/NDF: 11478.8/50

All: 318.748+/-0.663 χ^2/NDF: 26926.5/103

- sign 323.528+/-0.909 χ^2/NDF: 15388.5/52

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 41.346+/-1.690 χ^2/NDF: 304.2/26

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

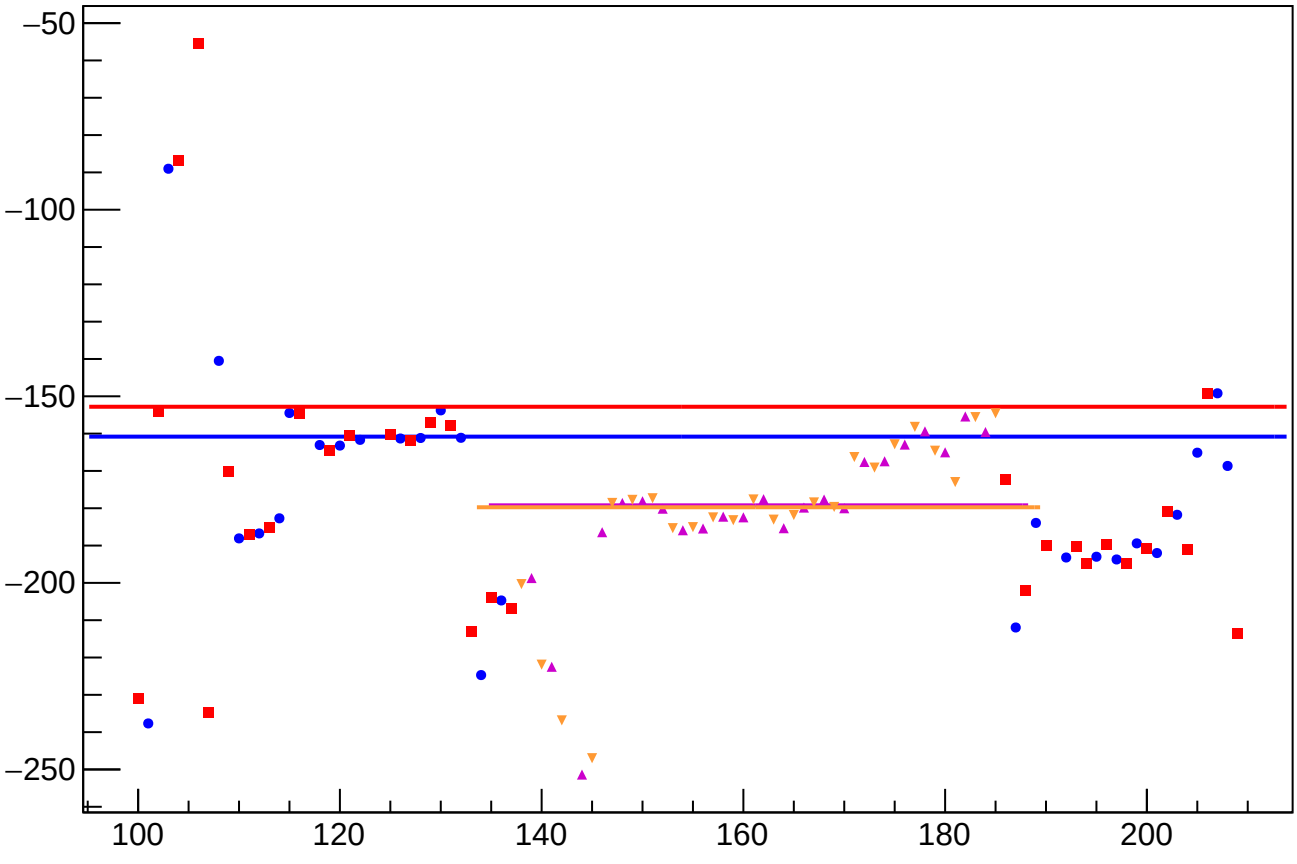
Right Out: 37.035+/-1.613 χ^2/NDF: 294.7/29

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

\+ sign 66.048+/-0.970 χ^2/NDF: 1286.0/50

All: 64.981+/-0.682 χ^2/NDF: 2502.1/103

\- sign 63.936+/-0.960 χ^2/NDF: 1213.7/52



Right In: -160.809+/-0.082 χ^2/NDF: 304689.3/26

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

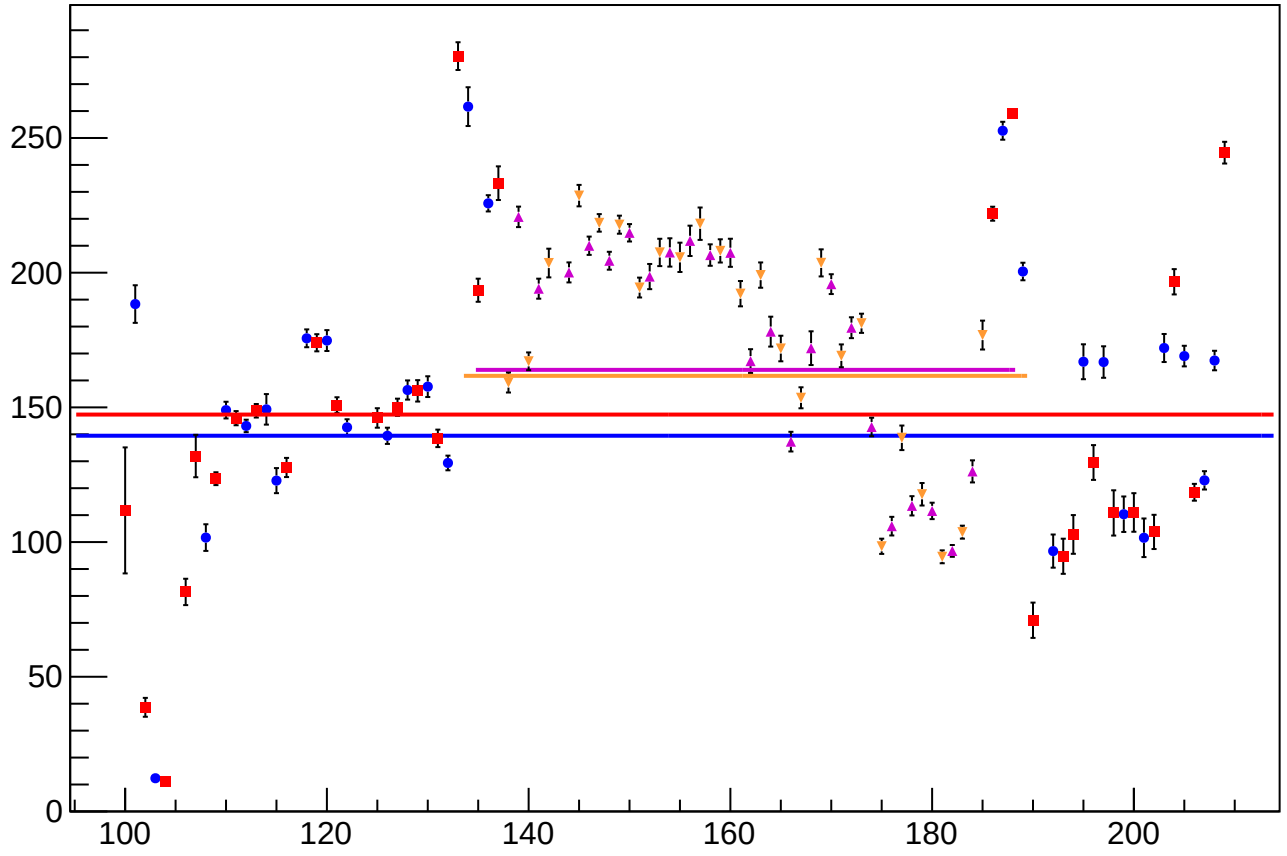
Right Out: -152.802+/-0.078 χ^2/NDF: 427910.2/29

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -173.836+/-0.046 χ^2/NDF: 473825.1/50

All: -172.183+/-0.032 χ^2/NDF: 1094512.8/10

- sign -170.593+/-0.045 χ^2/NDF: 618112.2/52



Right In: 139.474+/-0.691 χ^2/NDF: 8223.7/26

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

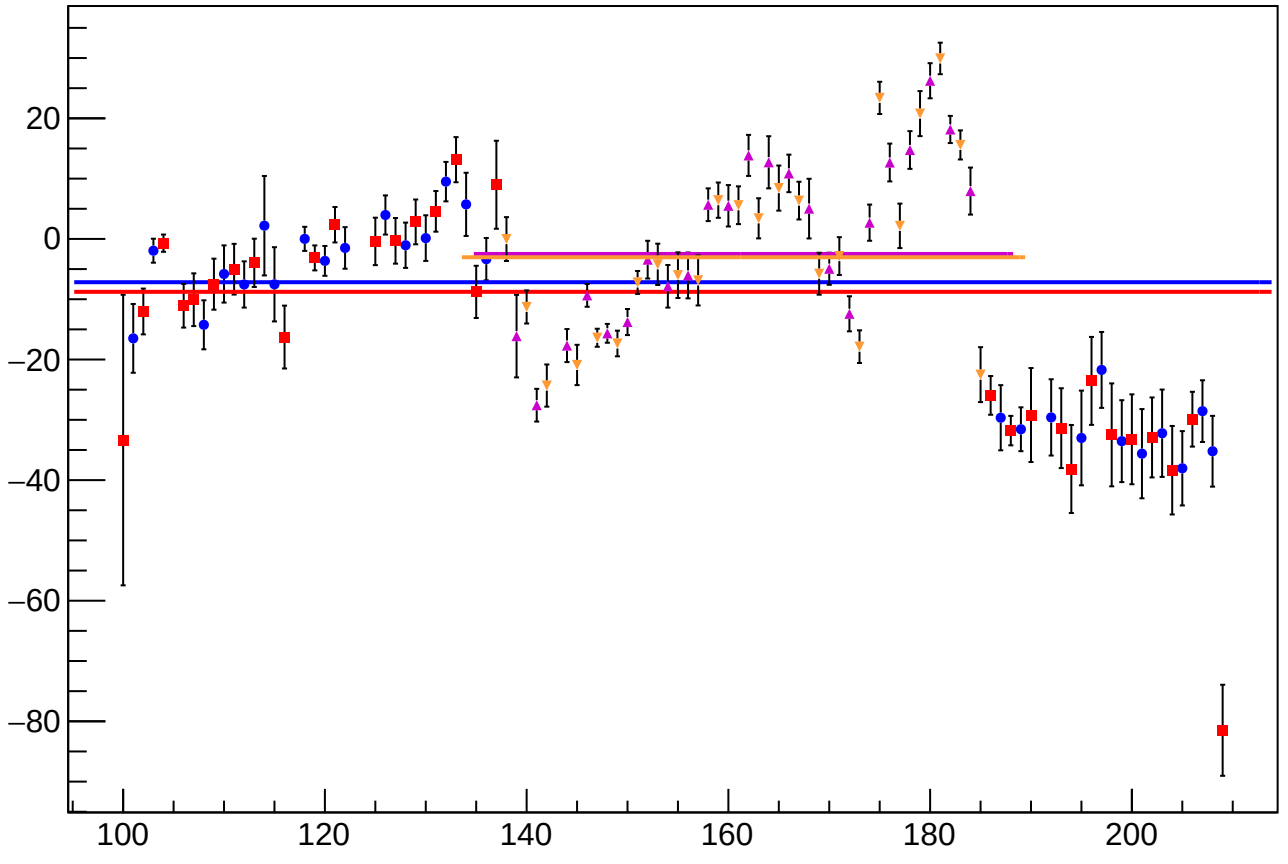
Right Out: 147.332+/-0.633 χ^2/NDF: 13885.1/29

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.301+/-0.516 χ^2/NDF: 12268.9/50

All: 151.728+/-0.356 χ^2/NDF: 29804.9/103

- sign 153.927+/-0.491 χ^2/NDF: 17493.9/52



Right In: -7.178+/-0.751 χ^2/NDF: 281.2/26

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

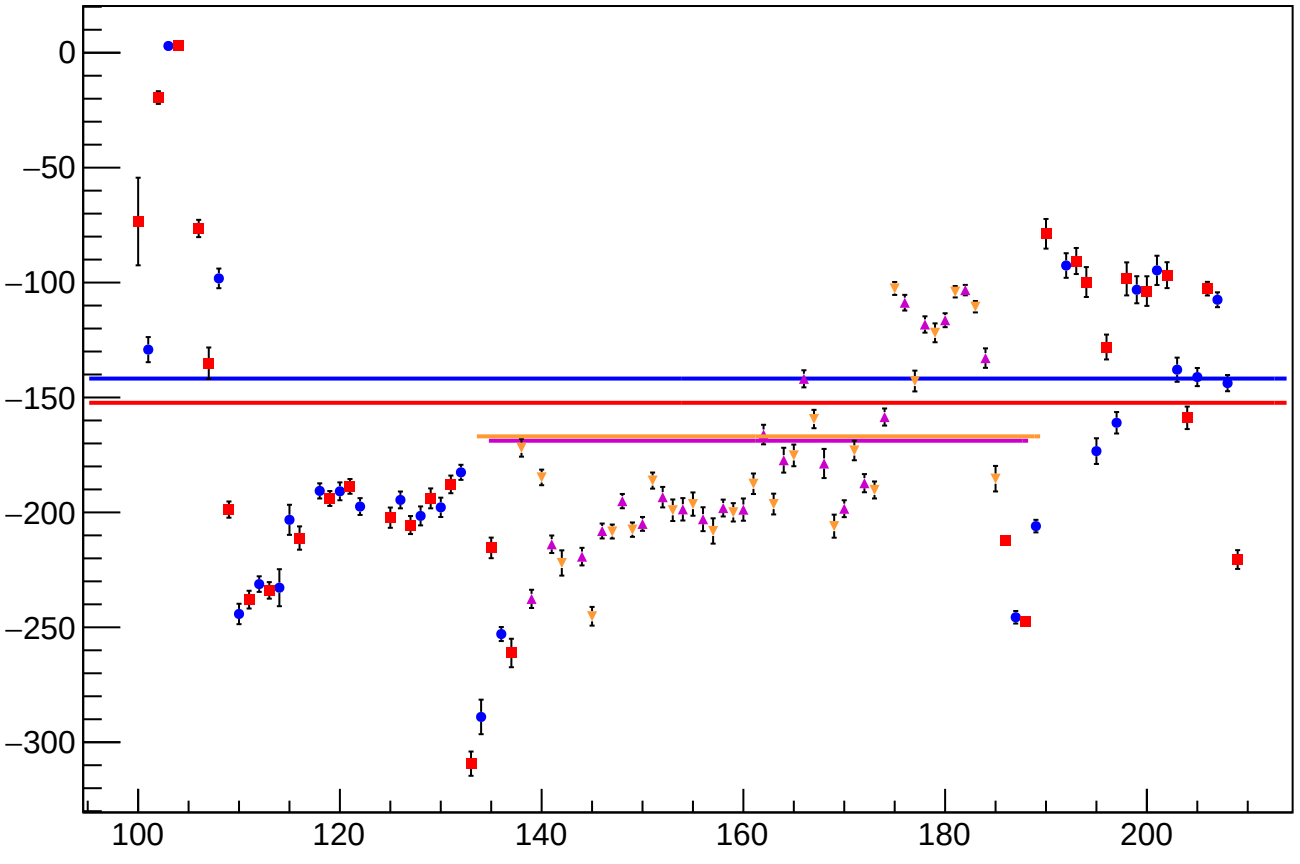
Right Out: -8.772+/-0.679 χ^2/NDF: 453.9/29

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -4.578+/-0.458 χ^2/NDF: 954.8/50

All: -4.886+/-0.319 χ^2/NDF: 2021.4/103

\- sign -5.175+/-0.444 χ^2/NDF: 1065.8/52



Right In: -141.769+/-0.689 χ^2/NDF: 17241.0/26

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

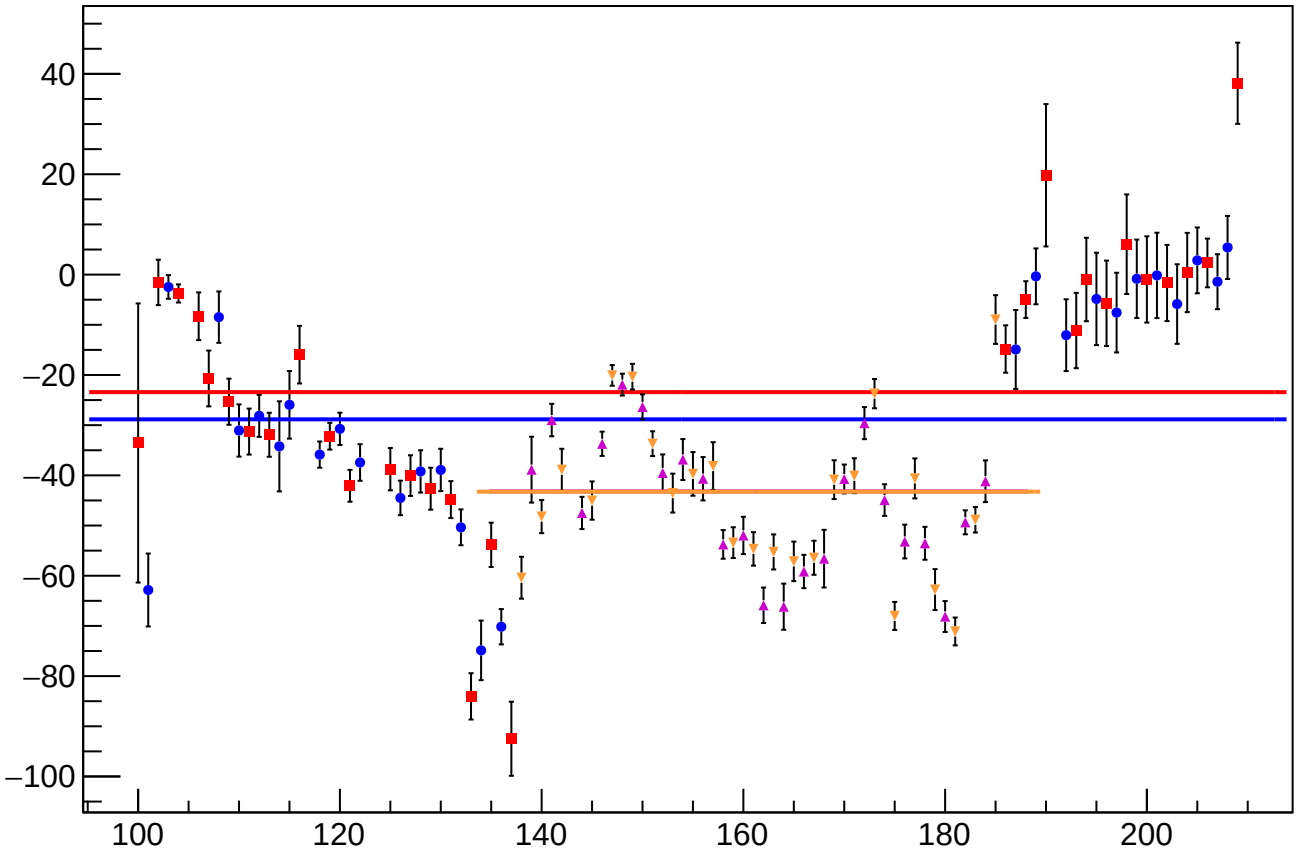
Right Out: -152.312+/-0.614 χ^2/NDF: 24308.6/29

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -152.934+/-0.514 χ^2/NDF: 20928.7/50

All: -156.010+/-0.351 χ^2/NDF: 48643.5/103

- sign -158.705+/-0.481 χ^2/NDF: 27647.5/52



Right In: -28.838+/-0.880 χ^2/NDF: 602.7/26

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

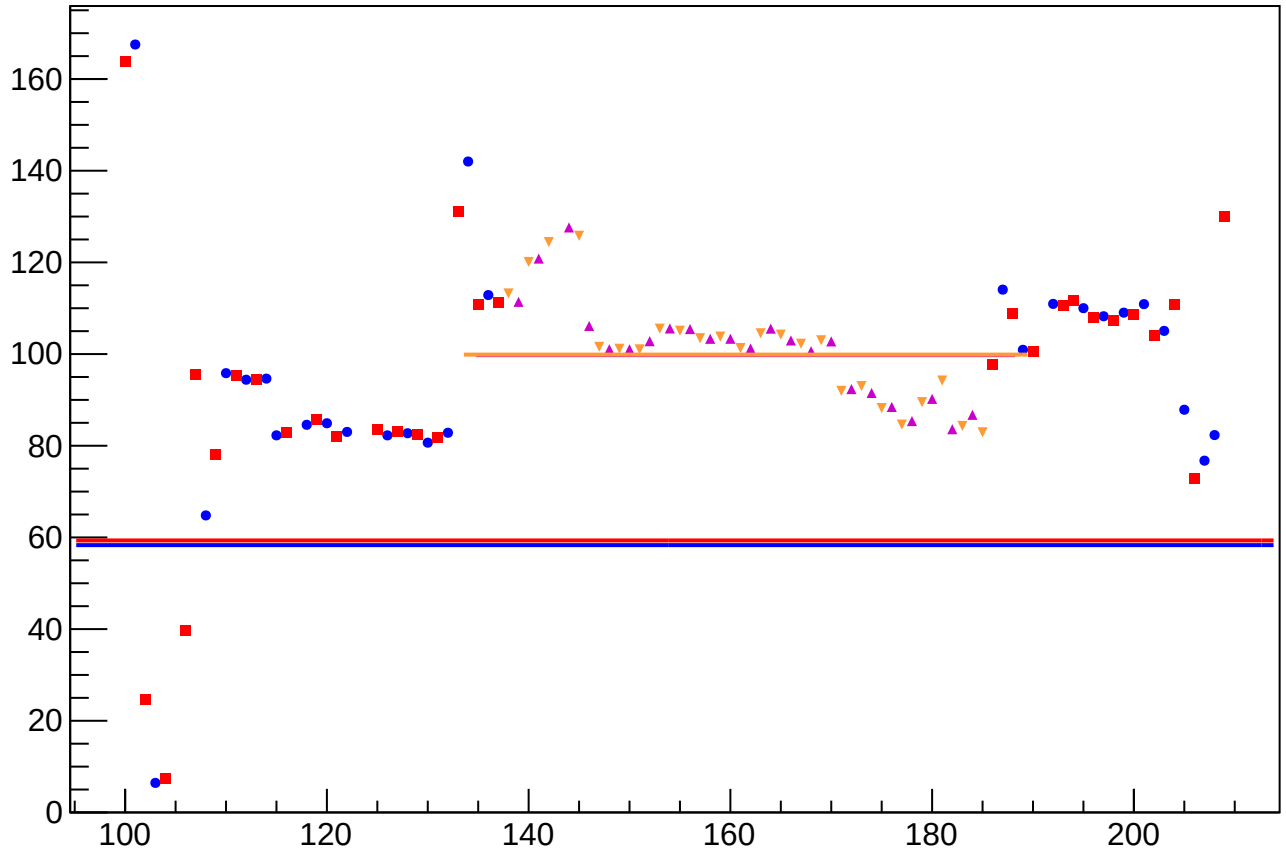
Right Out: -23.420+/-0.816 χ^2/NDF: 770.6/29

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -38.022+/-0.530 χ^2/NDF: 1383.8/50

All: -36.599+/-0.370 χ^2/NDF: 2925.4/103

- sign -35.241+/-0.518 χ^2/NDF: 1527.5/52



Right In: 58.319+/-0.039 χ^2/NDF: 1501162.5/26

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

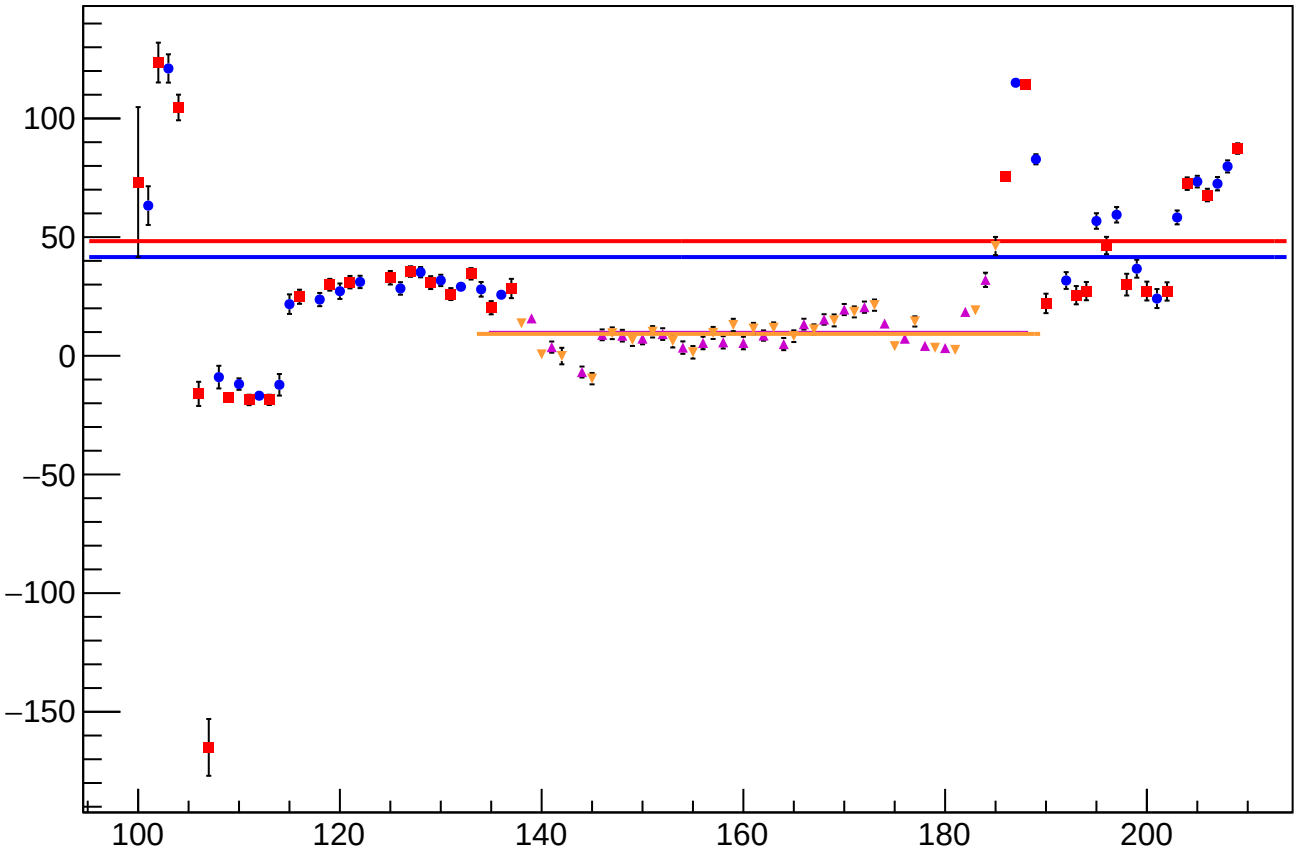
Right Out: 59.344+/-0.038 χ^2/NDF: 1324031.0/29

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.864+/-0.024 χ^2/NDF: 2327967.5/50

All: 83.989+/-0.017 χ^2/NDF: 4443681.1/103

- sign 84.111+/-0.024 χ^2/NDF: 2115660.9/52



Right In: 41.598+/-0.531 χ^2/NDF: 4390.6/26

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

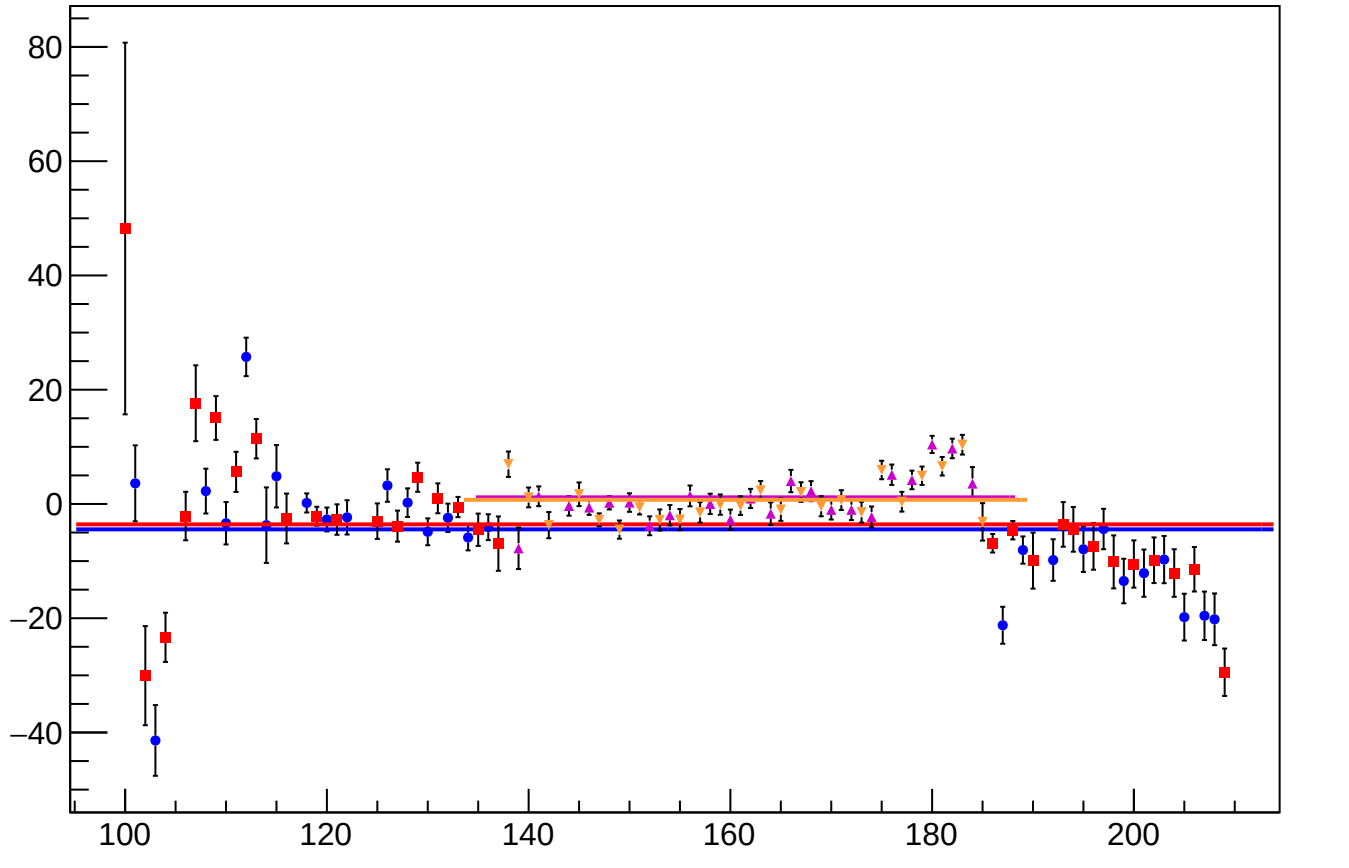
Right Out: 48.314+/-0.477 χ^2/NDF: 8330.0/29

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 22.995+/-0.346 χ^2/NDF: 6857.3/50

All: 25.806+/-0.240 χ^2/NDF: 18943.5/103

- sign 28.393+/-0.332 χ^2/NDF: 11959.5/52



Right In: -4.446+/-0.589 χ^2/NDF: 225.6/26

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

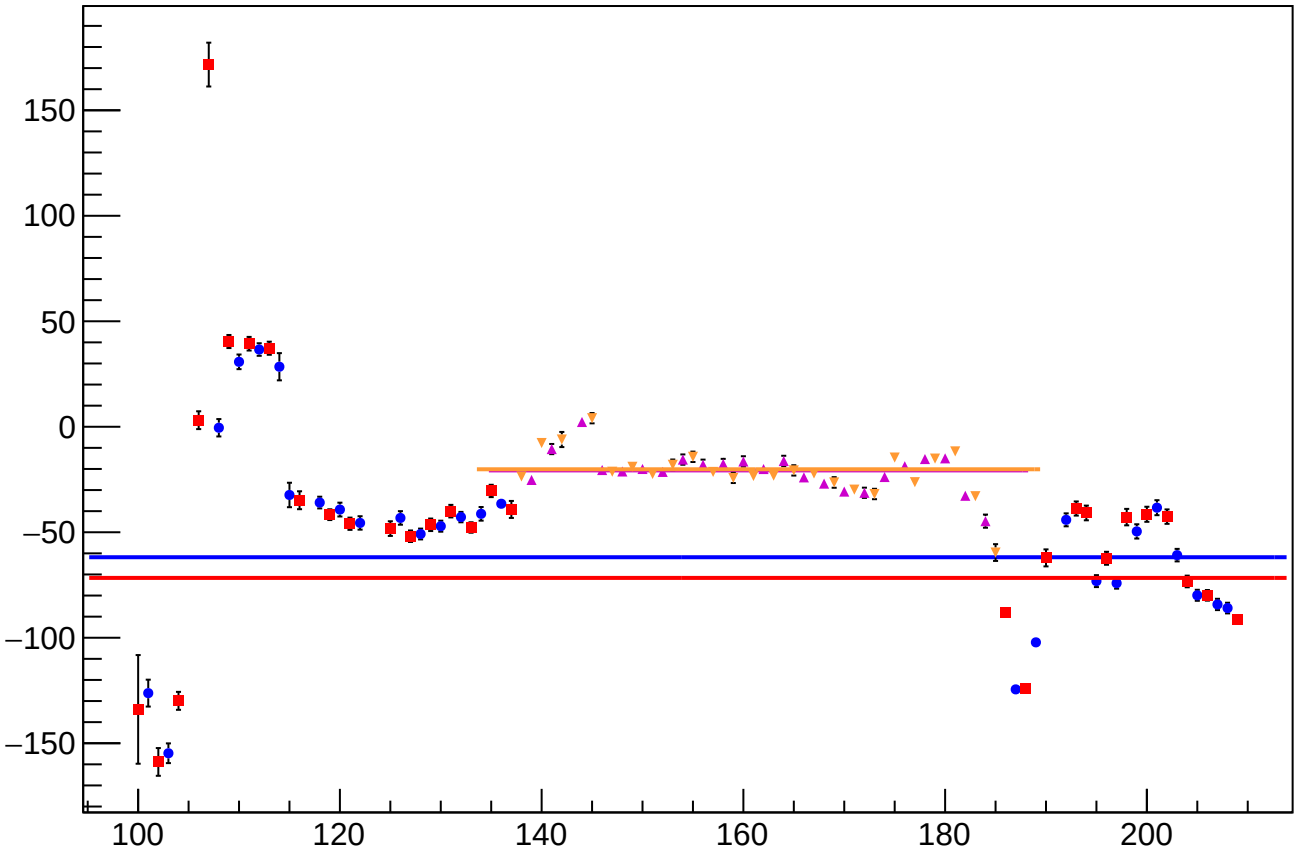
Right Out: -3.573+/-0.550 χ^2/NDF: 172.2/29

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.618+/-0.301 χ^2/NDF: 392.5/50

All: -0.433+/-0.212 χ^2/NDF: 727.9/103

\- sign -0.250+/-0.300 χ^2/NDF: 334.6/52



Right In: -61.838+/-0.542 χ^2/NDF: 5582.5/26

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -71.638+/-0.463 χ^2/NDF: 9739.4/29

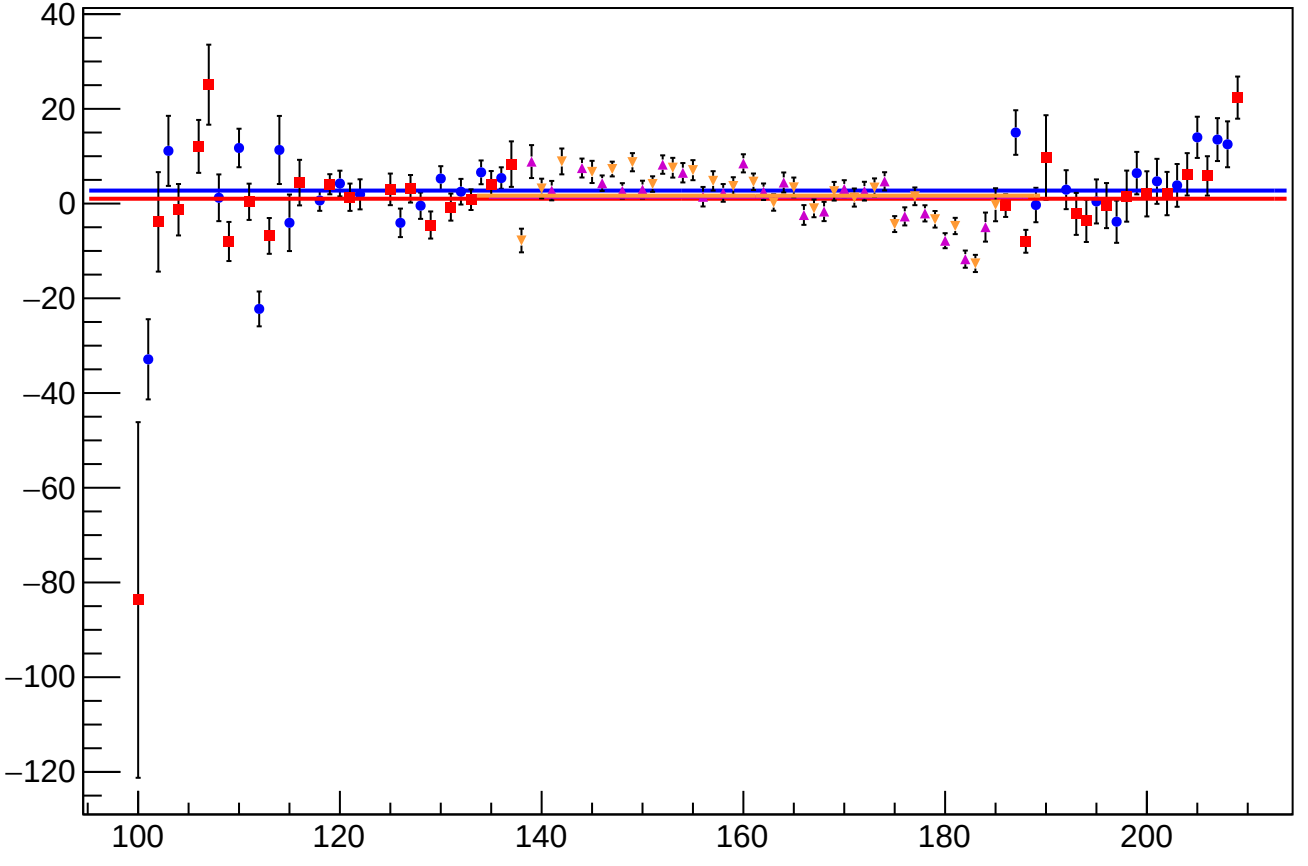
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -37.281+/-0.347 χ^2/NDF: 9491.4/50

All: -41.834+/-0.238 χ^2/NDF: 25985.0/103

\- sign -45.838+/-0.326 χ^2/NDF: 16170.4/52

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.745+/-0.684 χ^2/NDF: 112.4/26

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

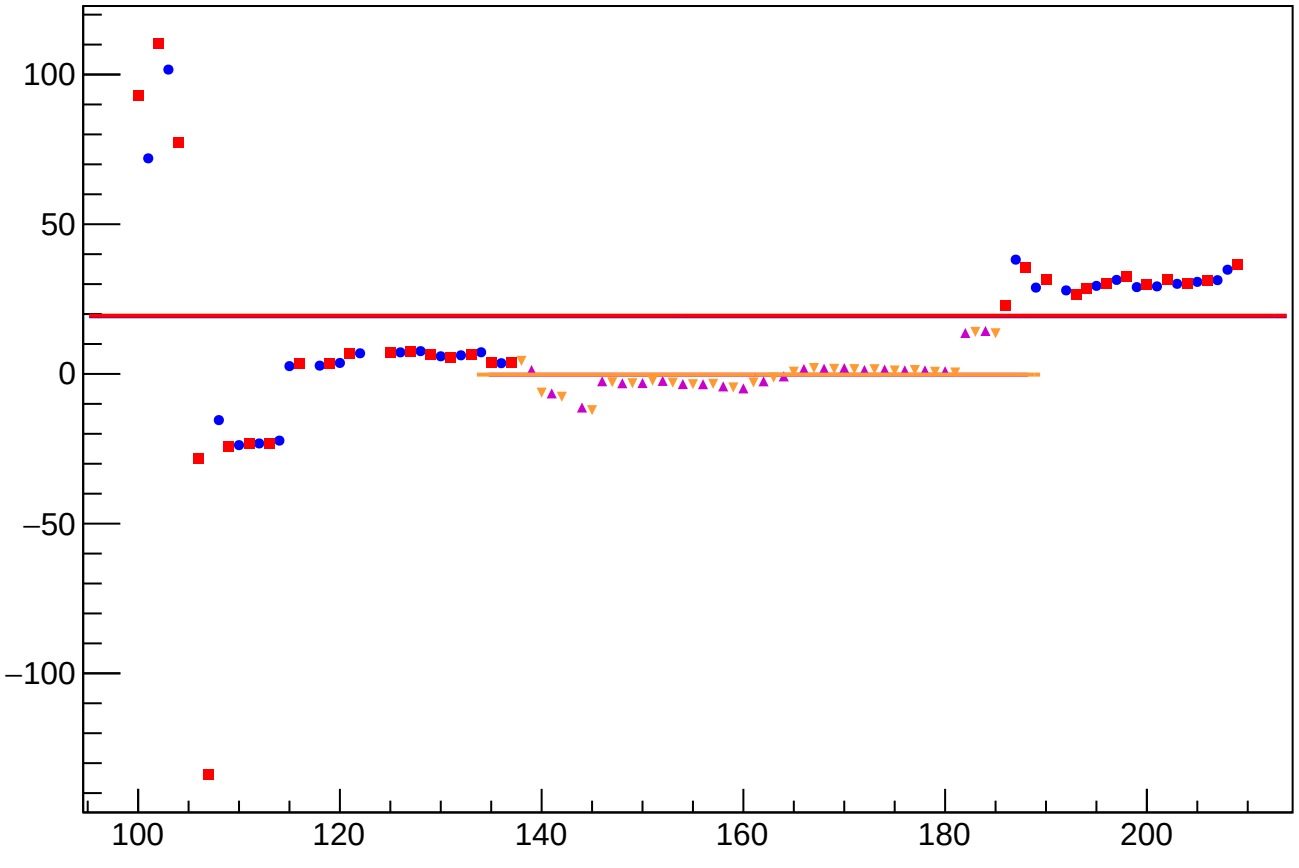
Right Out: 1.020+/-0.661 χ^2/NDF: 80.4/29

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.939+/-0.342 χ^2/NDF: 292.2/50

All: 1.630+/-0.242 χ^2/NDF: 537.3/103

\- sign 1.317+/-0.344 χ^2/NDF: 243.4/52



Right In: 19.257+/-0.034 χ^2/NDF: 420074.9/26

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

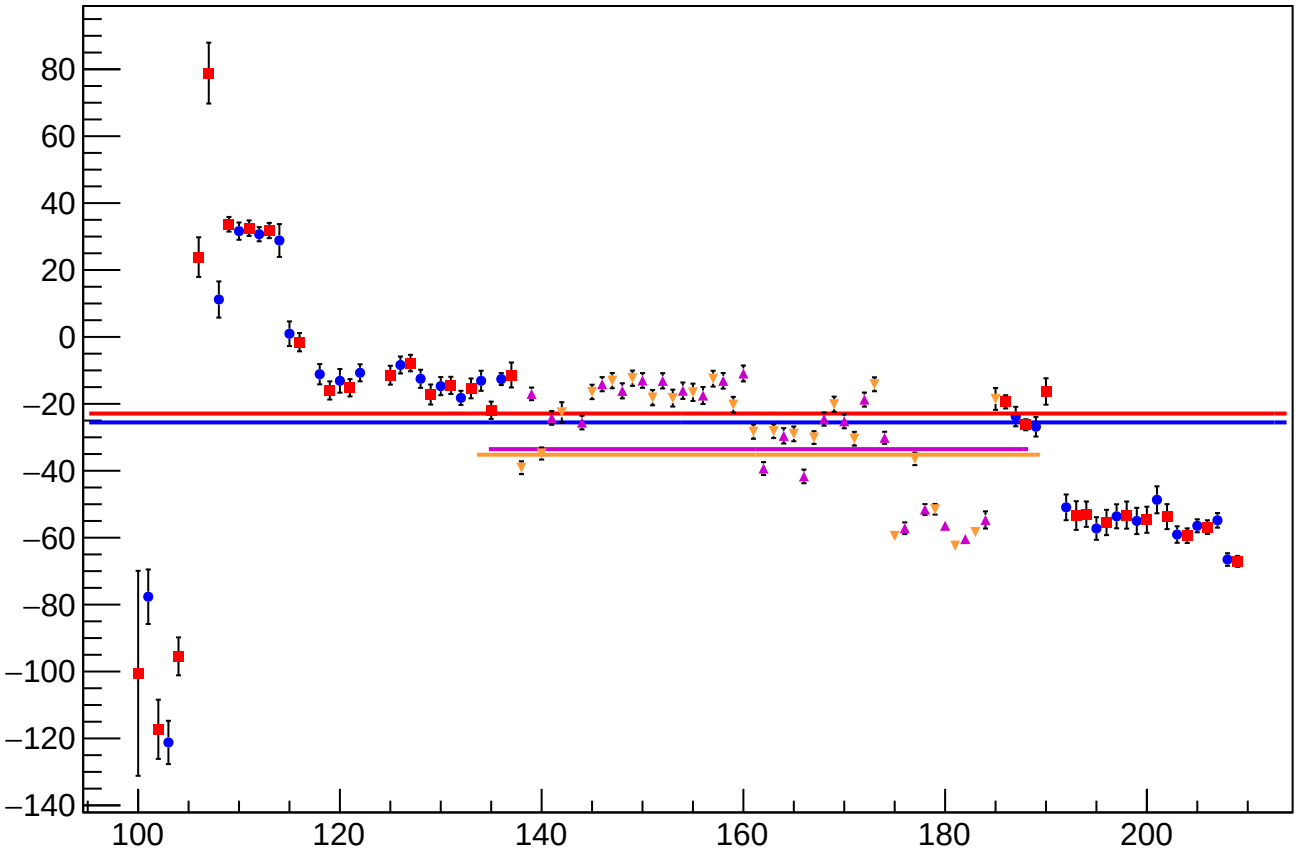
Right Out: 19.456+/-0.034 χ^2/NDF: 595668.5/29

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 3.893+/-0.016 χ^2/NDF: 759286.3/50

All: 3.950+/-0.011 χ^2/NDF: 1695863.8/103

- sign 4.006+/-0.016 χ^2/NDF: 936551.6/52



Right In: -25.549+/-0.535 χ^2/NDF: 3281.9/26

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -22.893+/-0.508 χ^2/NDF: 4120.0/29

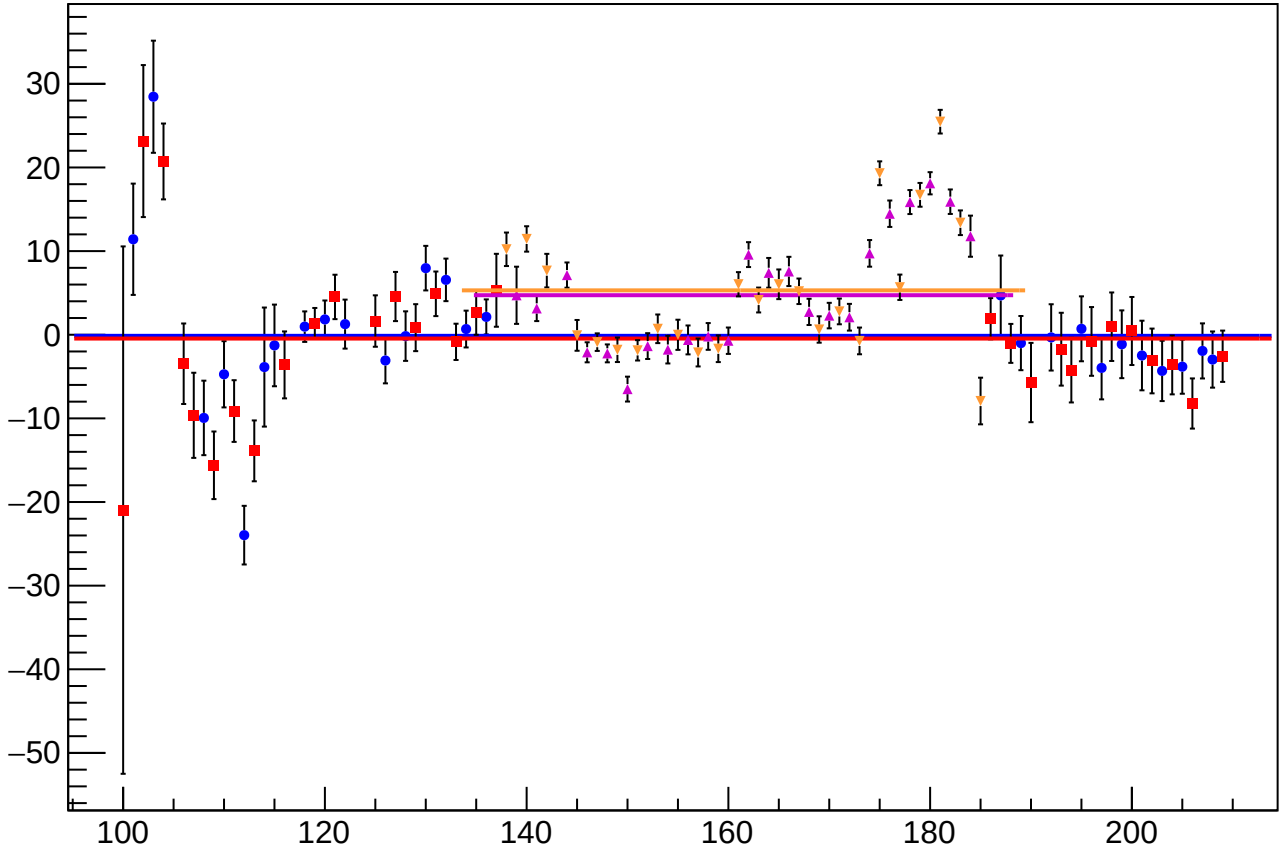
Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -31.654+/-0.325 χ^2/NDF: 5338.1/50

All: -30.455+/-0.228 χ^2/NDF: 11554.9/103

- sign -29.285+/-0.321 χ^2/NDF: 6189.8/52

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.131+/-0.608 χ^2/NDF: 100.1/26

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

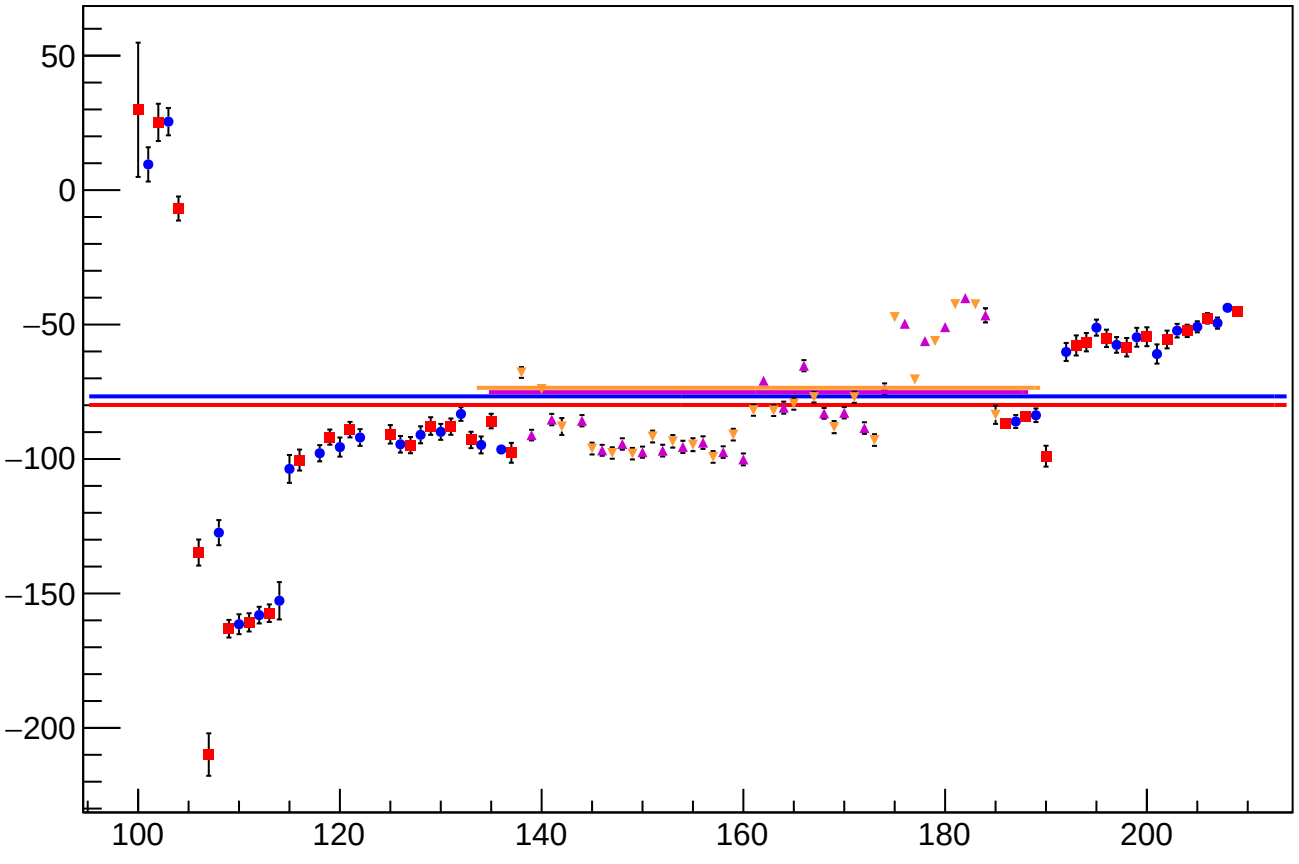
Right Out: -0.457+/-0.596 χ^2/NDF: 93.6/29

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.157+/-0.280 χ^2/NDF: 787.5/50

All: 3.862+/-0.199 χ^2/NDF: 1438.0/103

- sign 3.561+/-0.283 χ^2/NDF: 648.2/52



Right In: -76.707+/-0.556 χ^2/NDF: 3352.1/26

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

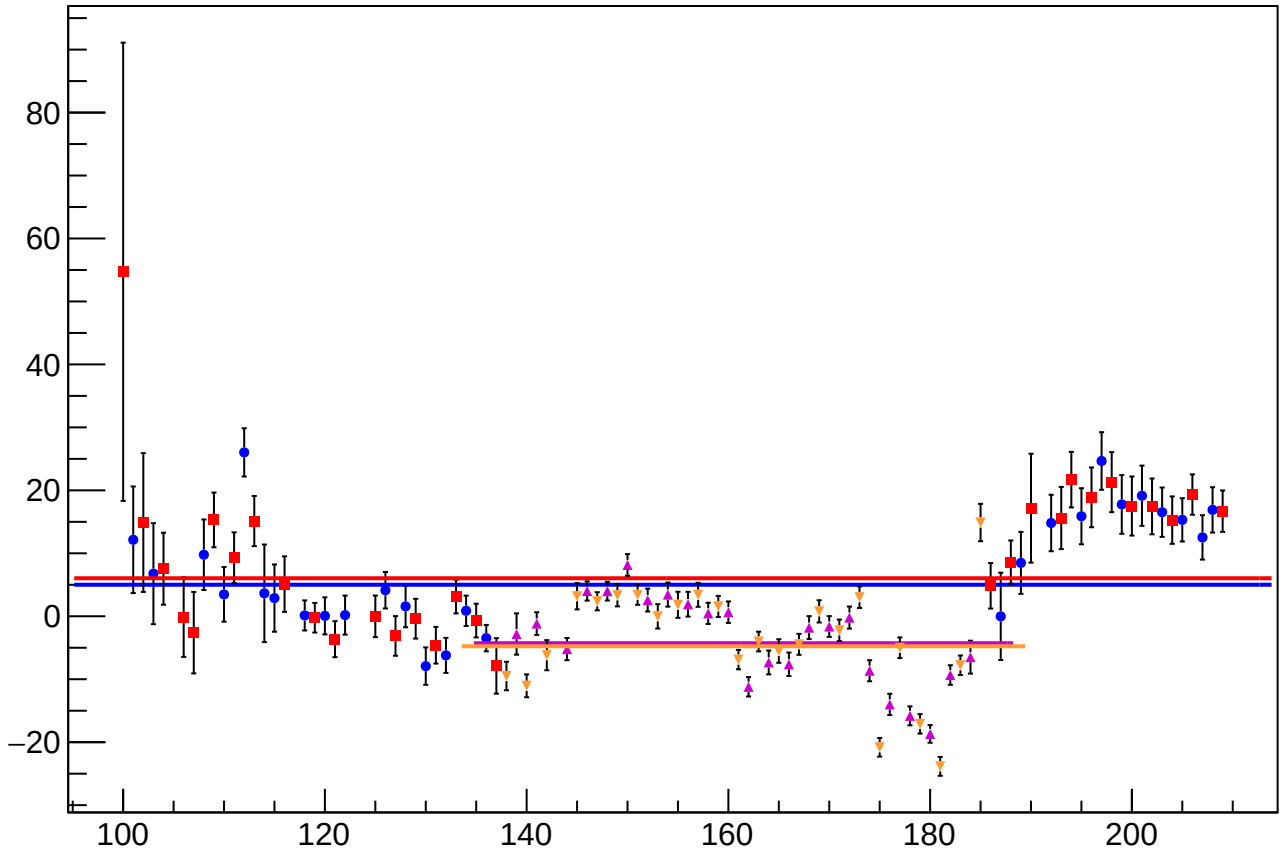
Right Out: -79.902+/-0.514 χ^2/NDF: 4035.5/29

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -74.615+/-0.328 χ^2/NDF: 5765.7/50

All: -75.827+/-0.229 χ^2/NDF: 12242.5/103

- sign -76.986+/-0.321 χ^2/NDF: 6450.0/52



Right In: 5.009+/-0.692 χ^2/NDF: 176.6/26

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

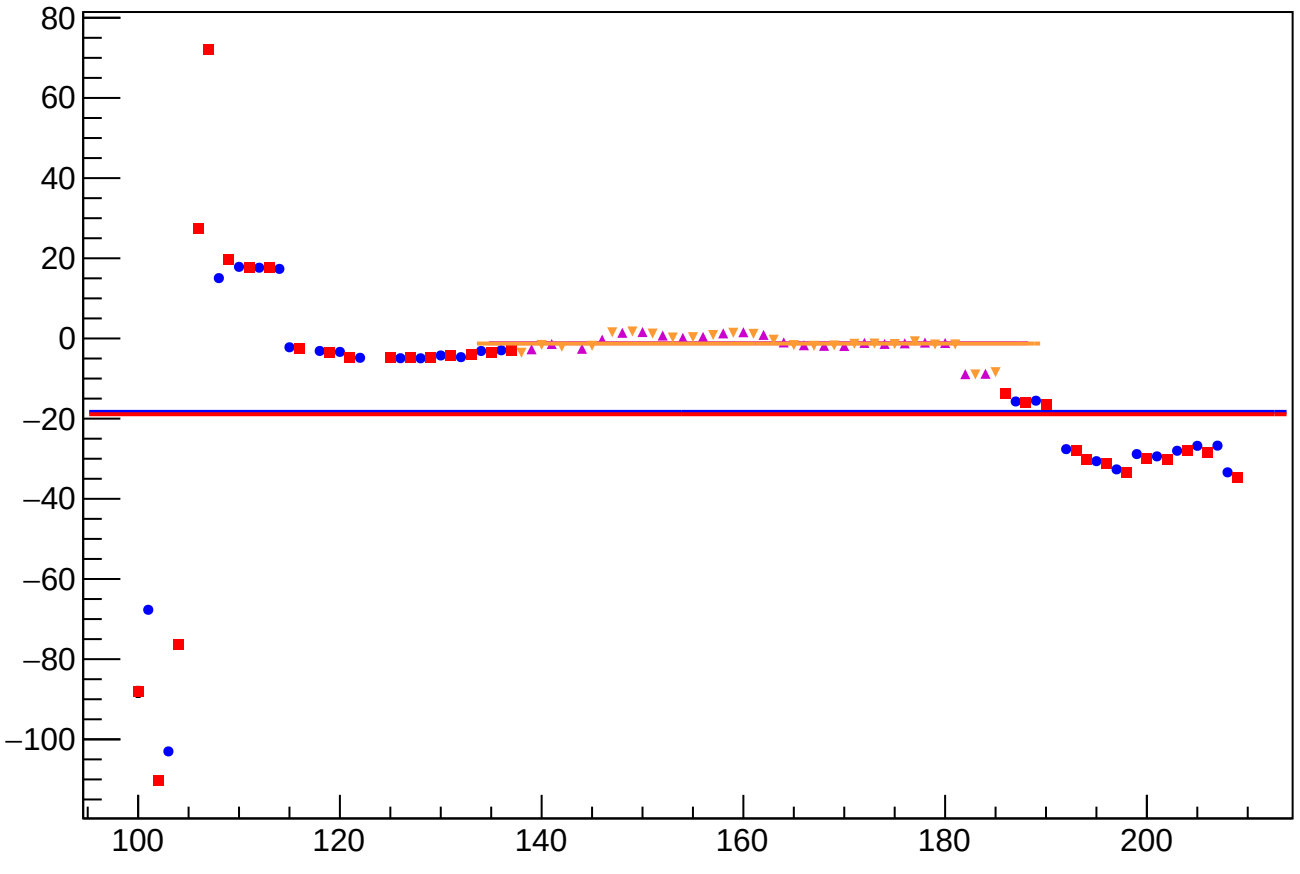
Right Out: 6.039+/-0.694 χ^2/NDF: 163.7/29

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -2.727+/-0.316 χ^2/NDF: 911.5/50

All: -2.409+/-0.225 χ^2/NDF: 1675.3/103

- sign -2.082+/-0.320 χ^2/NDF: 761.7/52



Right In: -18.315+/-0.033 χ^2/NDF: 377062.4/26

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -18.899+/-0.034 χ^2/NDF: 473512.0/29

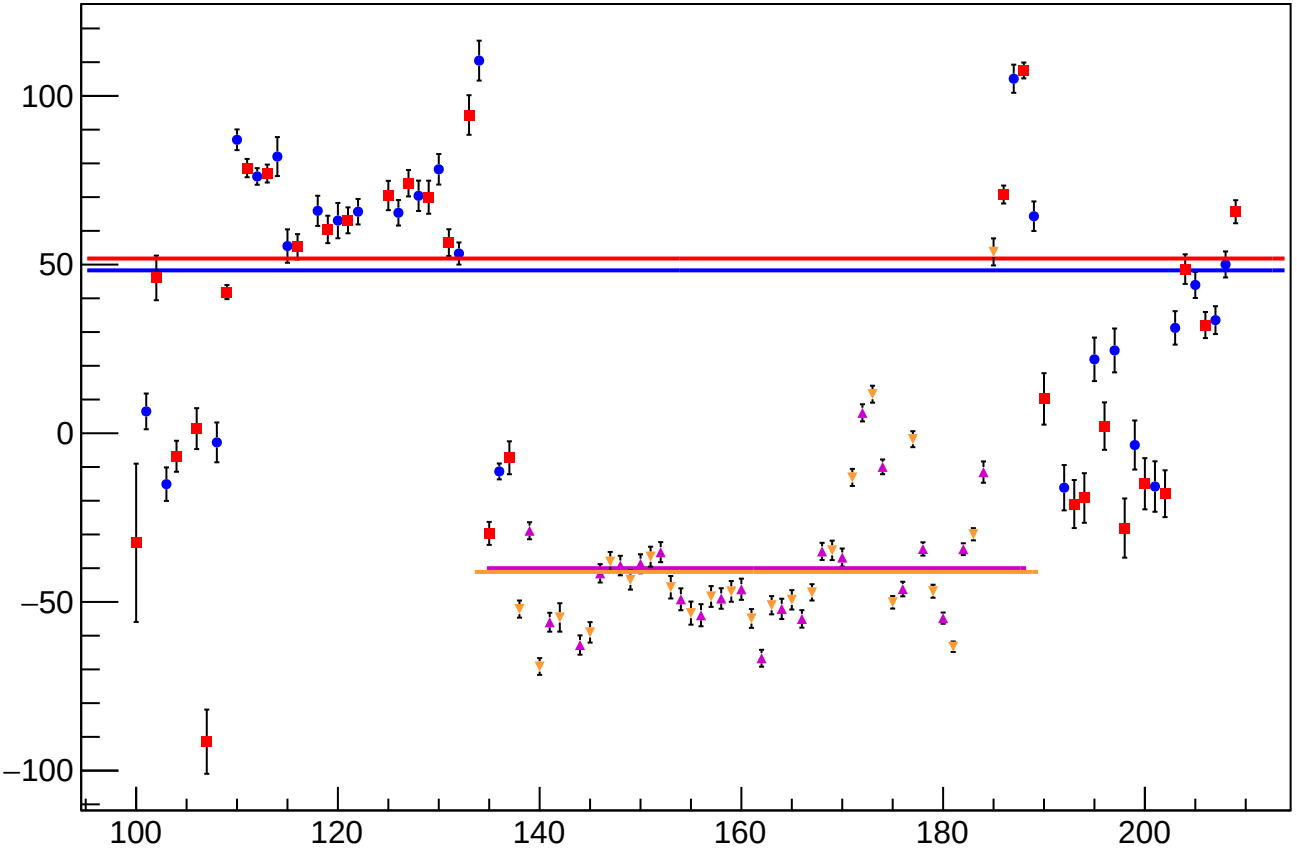
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -4.421+/-0.014 χ^2/NDF: 615774.2/50

All: -4.424+/-0.010 χ^2/NDF: 1340045.2/103

\- sign -4.427+/-0.014 χ^2/NDF: 724270.9/52

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 48.290+/-0.810 χ^2/NDF: 1979.7/26

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

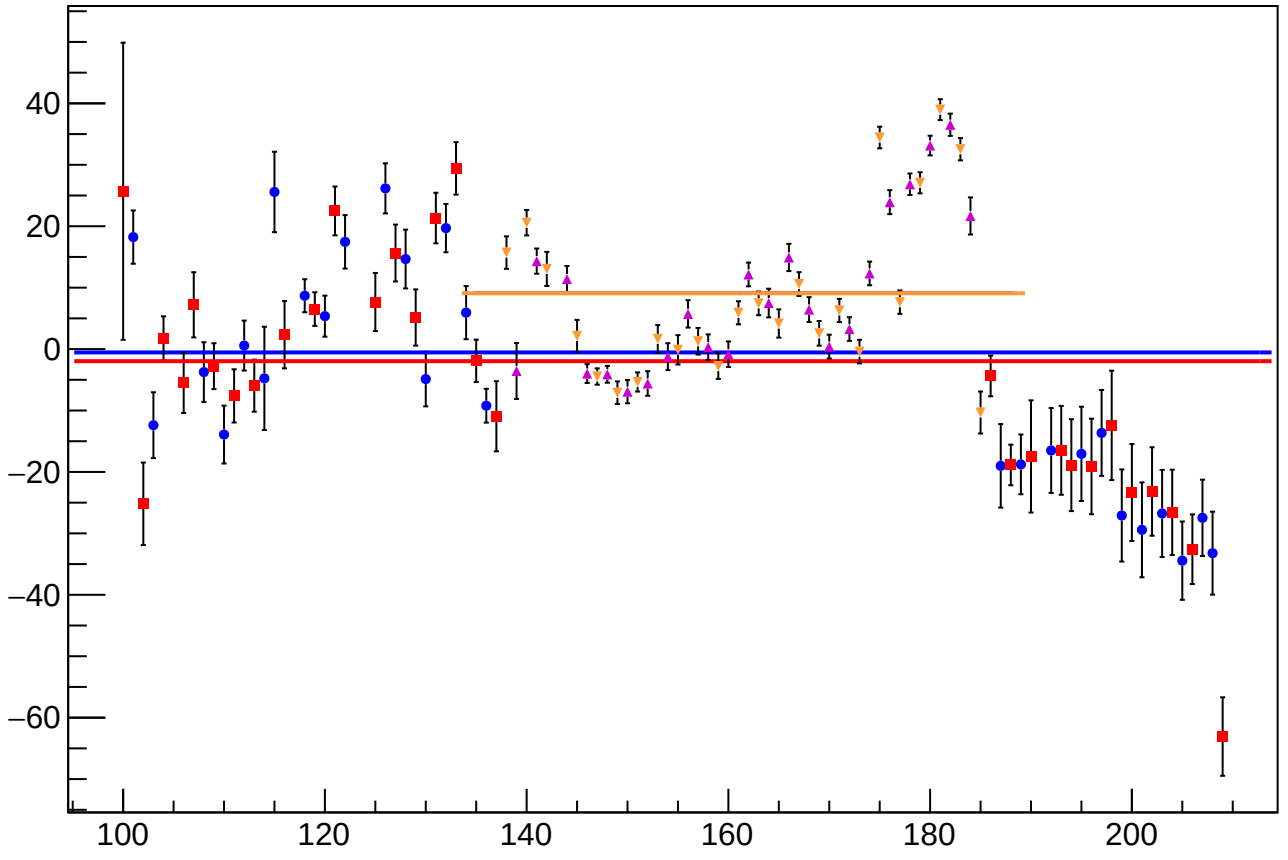
Right Out: 51.800+/-0.735 χ^2/NDF: 2728.8/29

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -15.214+/-0.436 χ^2/NDF: 12571.6/50

All: -12.072+/-0.305 χ^2/NDF: 26767.0/103

\- sign -9.060+/-0.427 χ^2/NDF: 14093.7/52



Right In: -0.545+/-0.910 χ^2/NDF: 318.5/26

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -1.969+/-0.867 χ^2/NDF: 372.2/29

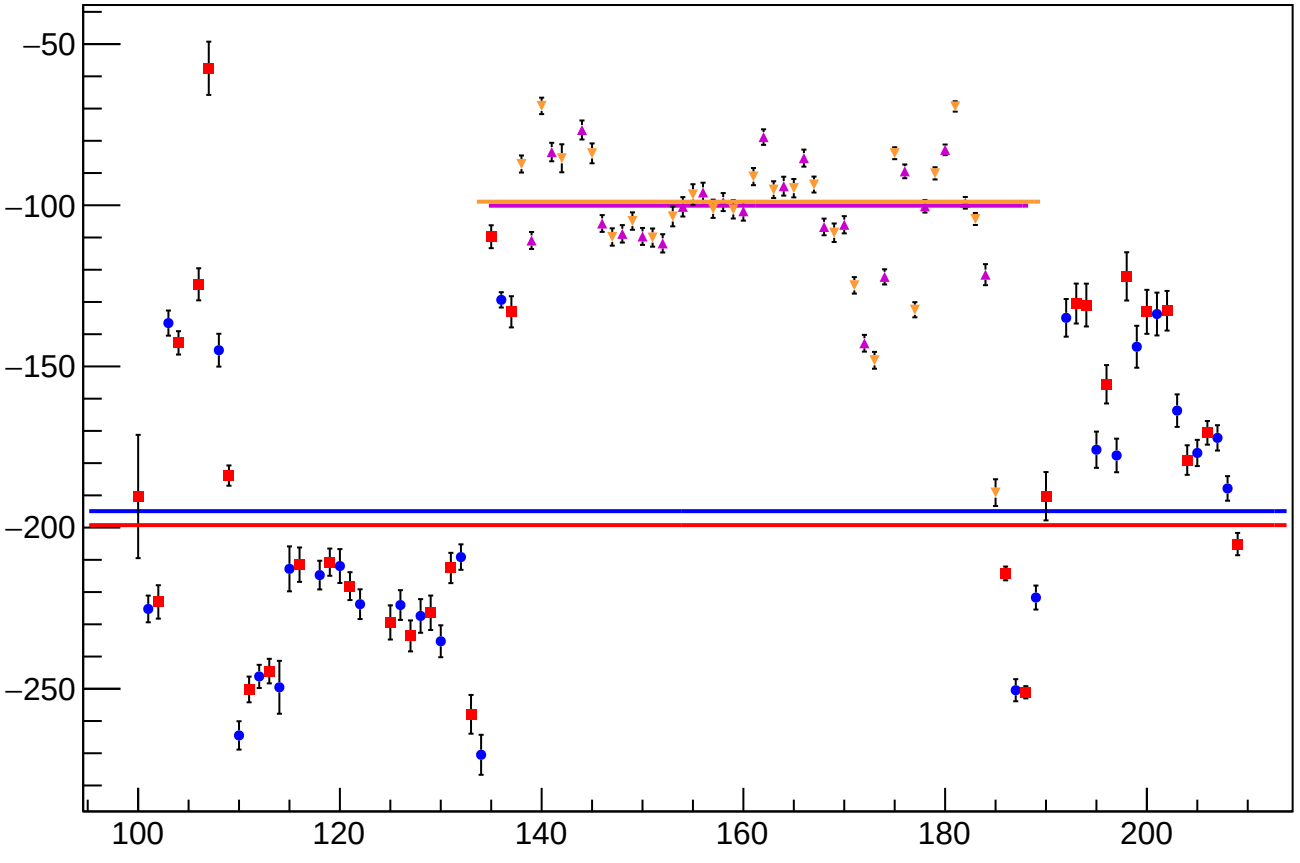
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

\+ sign 7.525+/-0.367 χ^2/NDF: 1666.2/50

All: 7.316+/-0.261 χ^2/NDF: 3224.6/103

\- sign 7.104+/-0.370 χ^2/NDF: 1557.8/52

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -194.892+/-0.849 χ^2/NDF: 2697.6/26

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

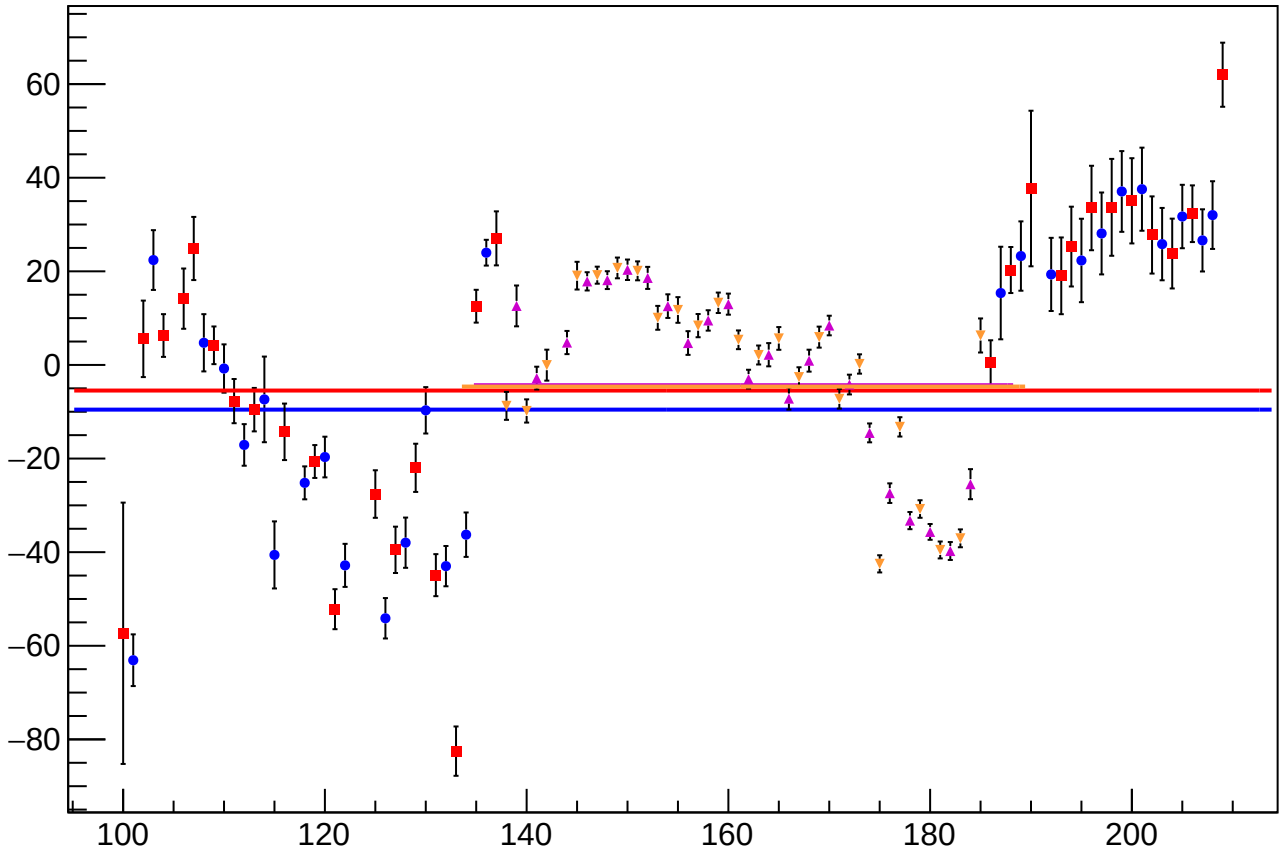
Right Out: -199.232+/-0.762 χ^2/NDF: 3660.6/29

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -124.638+/-0.440 χ^2/NDF: 13876.2/50

All: -128.204+/-0.307 χ^2/NDF: 30023.1/103

- sign -131.608+/-0.430 χ^2/NDF: 16018.4/52



Right In: -9.547+/-1.042 χ^2/NDF: 850.5/26

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

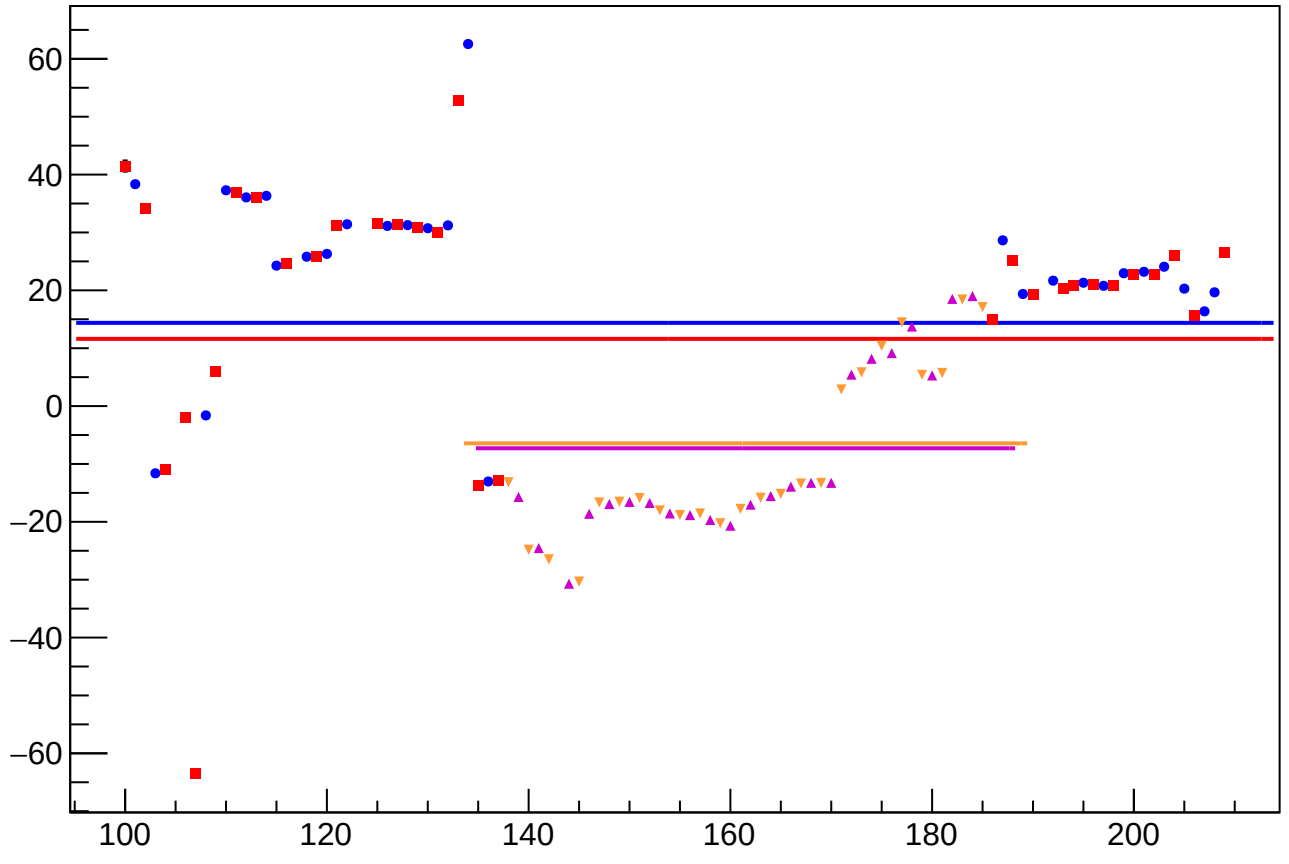
Right Out: -5.469+/-1.014 χ^2/NDF: 892.1/29

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

\+ sign -5.396+/-0.414 χ^2/NDF: 2947.6/50

All: -4.963+/-0.294 χ^2/NDF: 5697.2/103

\- sign -4.522+/-0.418 χ^2/NDF: 2747.3/52



Right In: 14.380+/-0.051 χ^2/NDF: 175468.7/26

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.615+/-0.050 χ^2/NDF: 180116.7/29

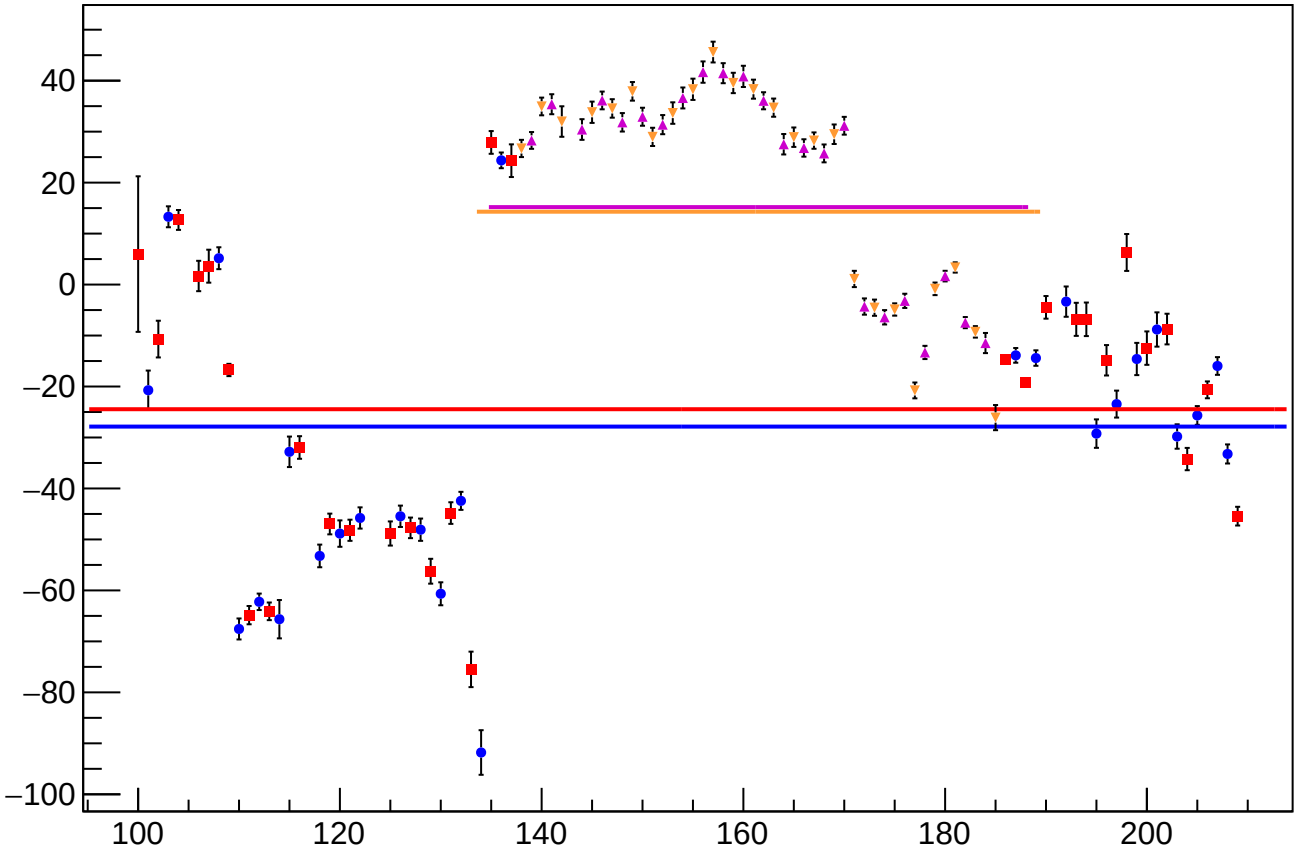
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.588+/-0.019 χ^2/NDF: 817628.8/50

All: -4.101+/-0.013 χ^2/NDF: 1610281.4/103

- sign -4.616+/-0.019 χ^2/NDF: 791156.7/52

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -27.861+/-0.411 χ^2/NDF: 3989.3/26

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

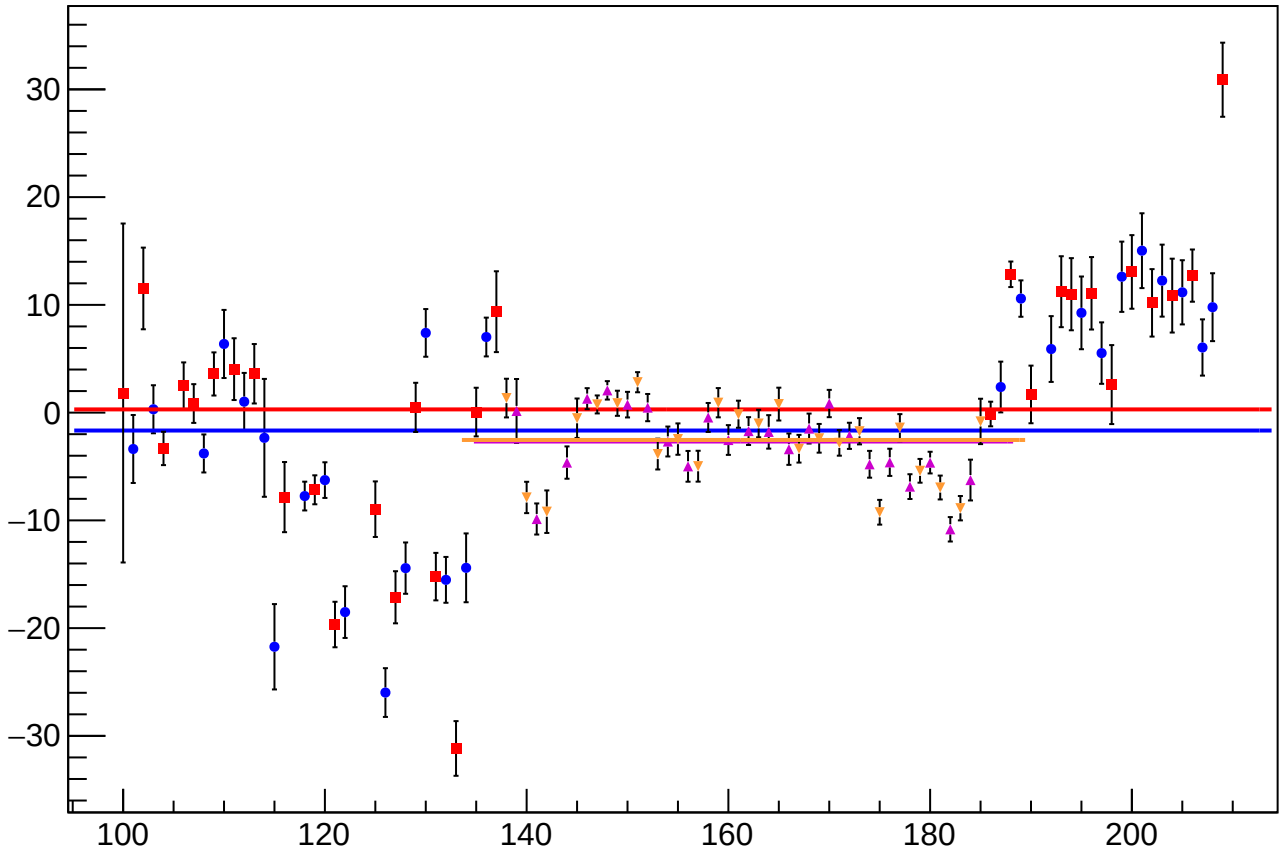
Right Out: -24.454+/-0.355 χ^2/NDF: 3935.8/29

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

\+ sign -2.526+/-0.260 χ^2/NDF: 14026.5/50

All: -3.180+/-0.178 χ^2/NDF: 27904.8/103

\- sign -3.762+/-0.245 χ^2/NDF: 13866.3/52



Right In: -1.661+/-0.459 χ^2/NDF: 534.7/26

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

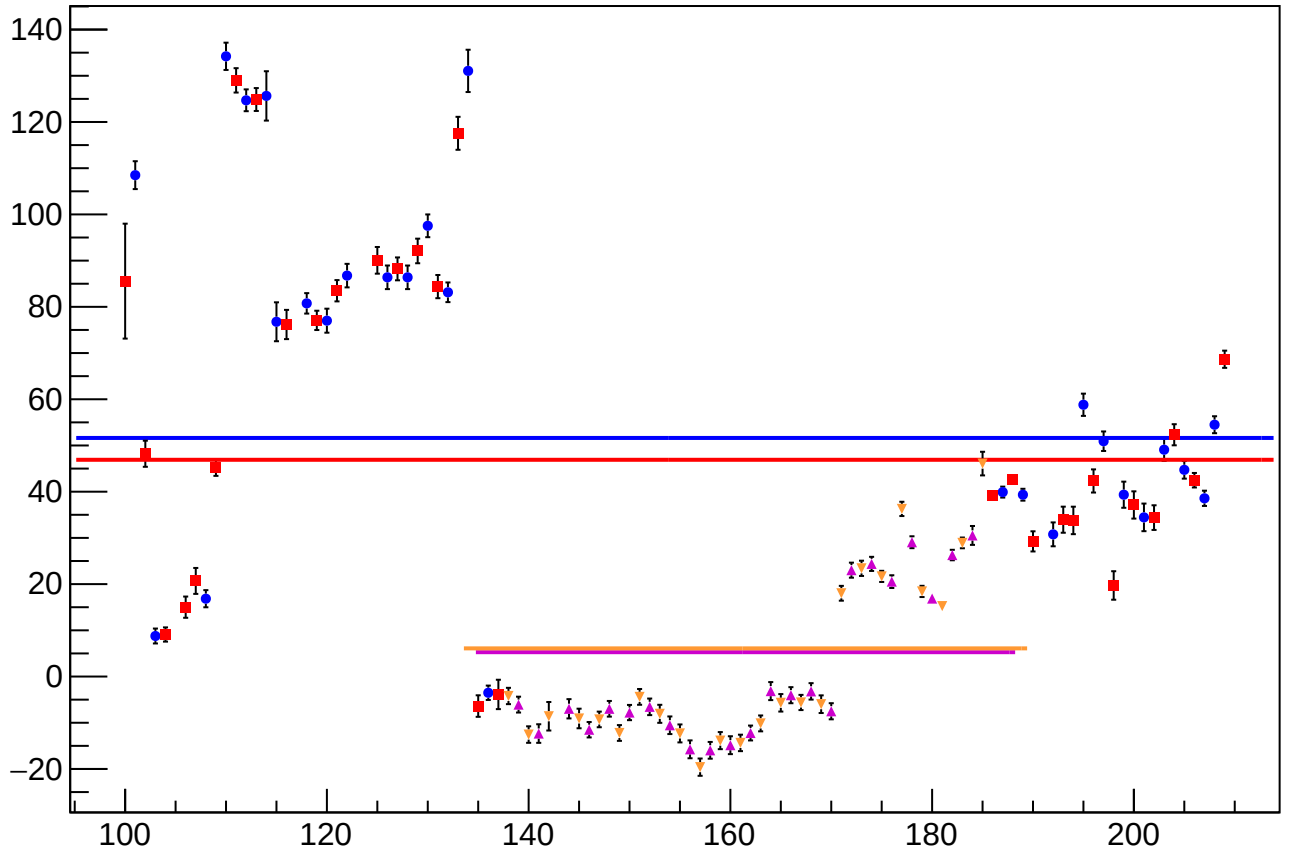
Right Out: 0.299+/-0.408 χ^2/NDF: 704.9/29

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.326+/-0.226 χ^2/NDF: 735.8/50

All: -2.057+/-0.158 χ^2/NDF: 1663.2/103

- sign -1.797+/-0.222 χ^2/NDF: 924.5/52



Right In: 51.629+/-0.407 χ^2/NDF: 6730.7/26

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.903+/-0.338 χ^2/NDF: 6100.3/29

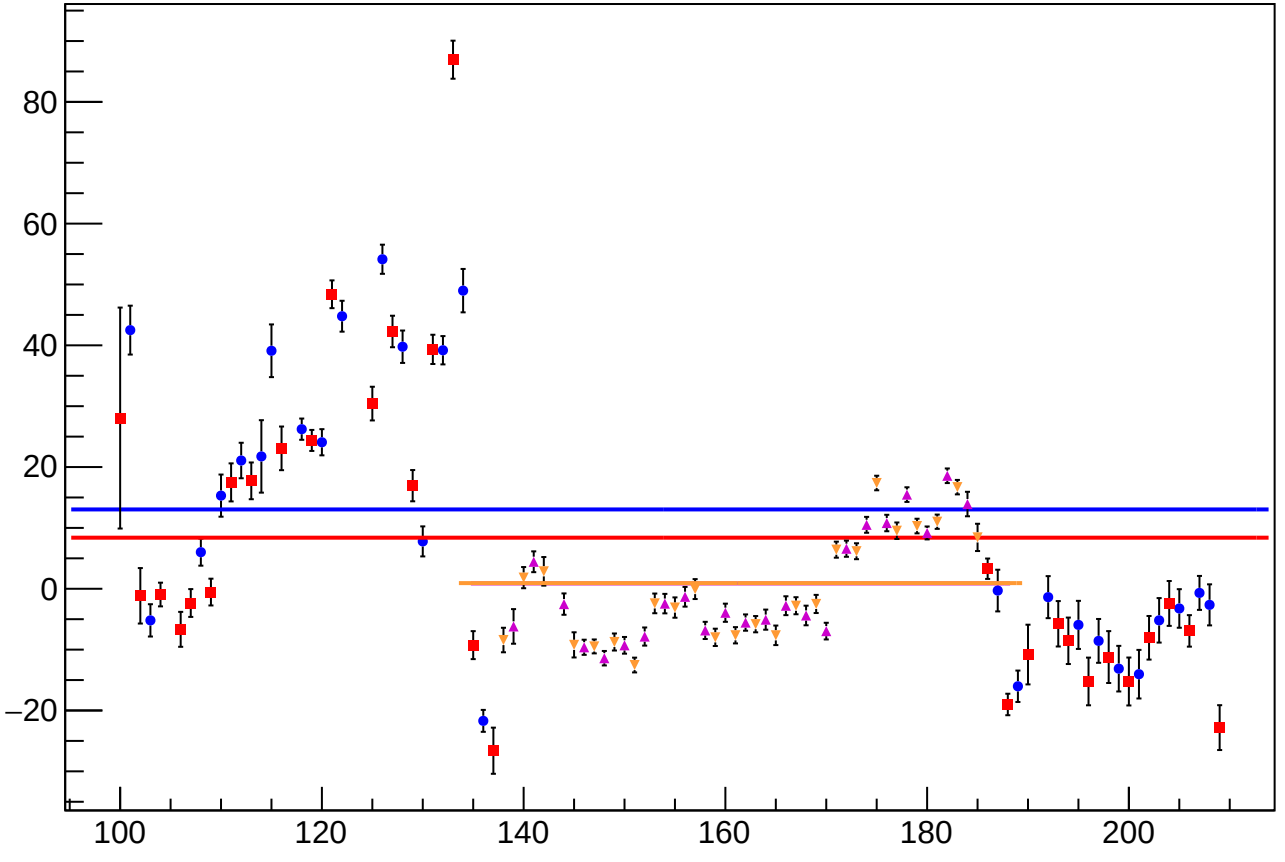
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 24.360+/-0.258 χ^2/NDF: 17010.8/50

All: 25.252+/-0.175 χ^2/NDF: 33211.3/103

- sign 26.015+/-0.238 χ^2/NDF: 16178.2/52

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 13.034+/-0.540 χ^2/NDF: 1807.6/26

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

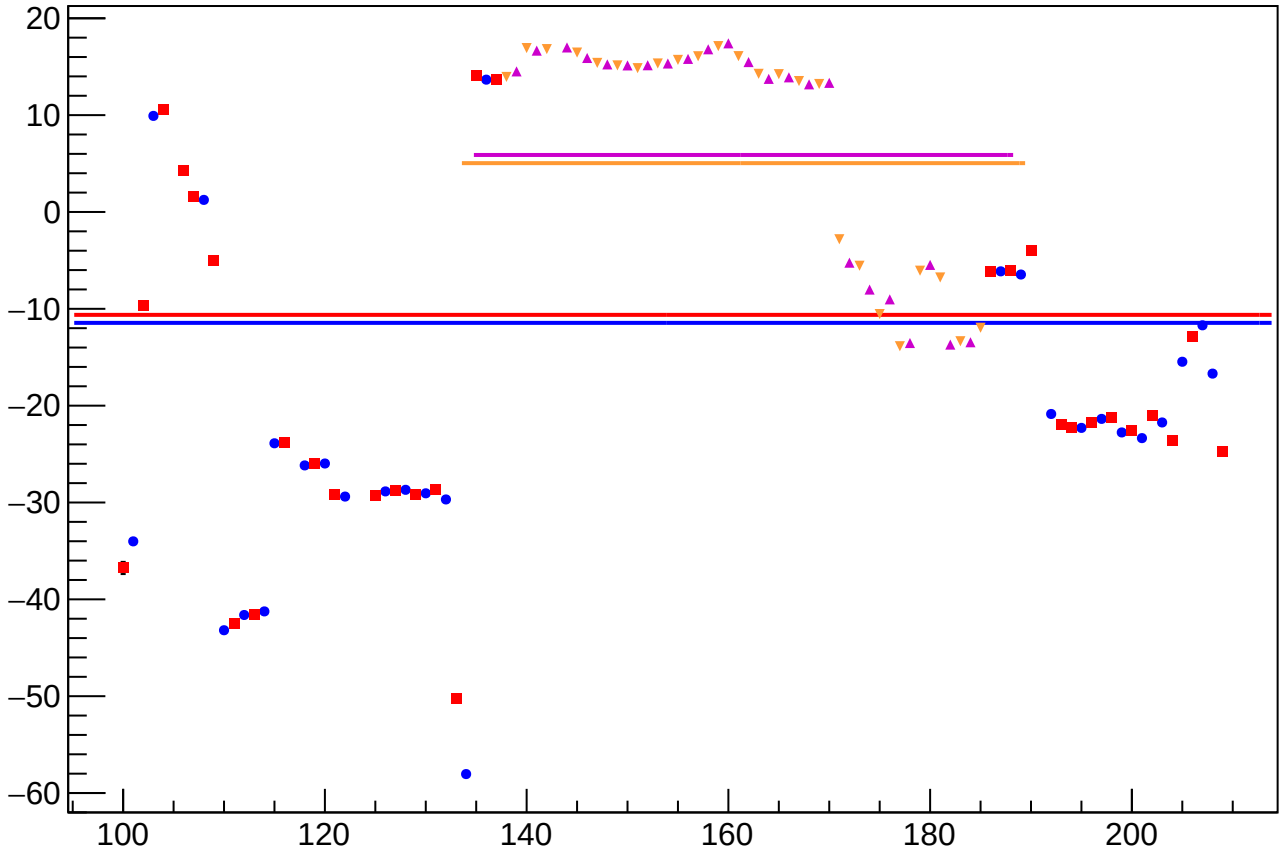
Right Out: 8.394+/-0.498 χ^2/NDF: 2238.6/29

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.662+/-0.257 χ^2/NDF: 3237.8/50

All: 3.255+/-0.181 χ^2/NDF: 6655.5/103

- sign 2.853+/-0.255 χ^2/NDF: 3412.6/52



Right In: -11.451+/-0.025 χ^2/NDF: 489444.3/26

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

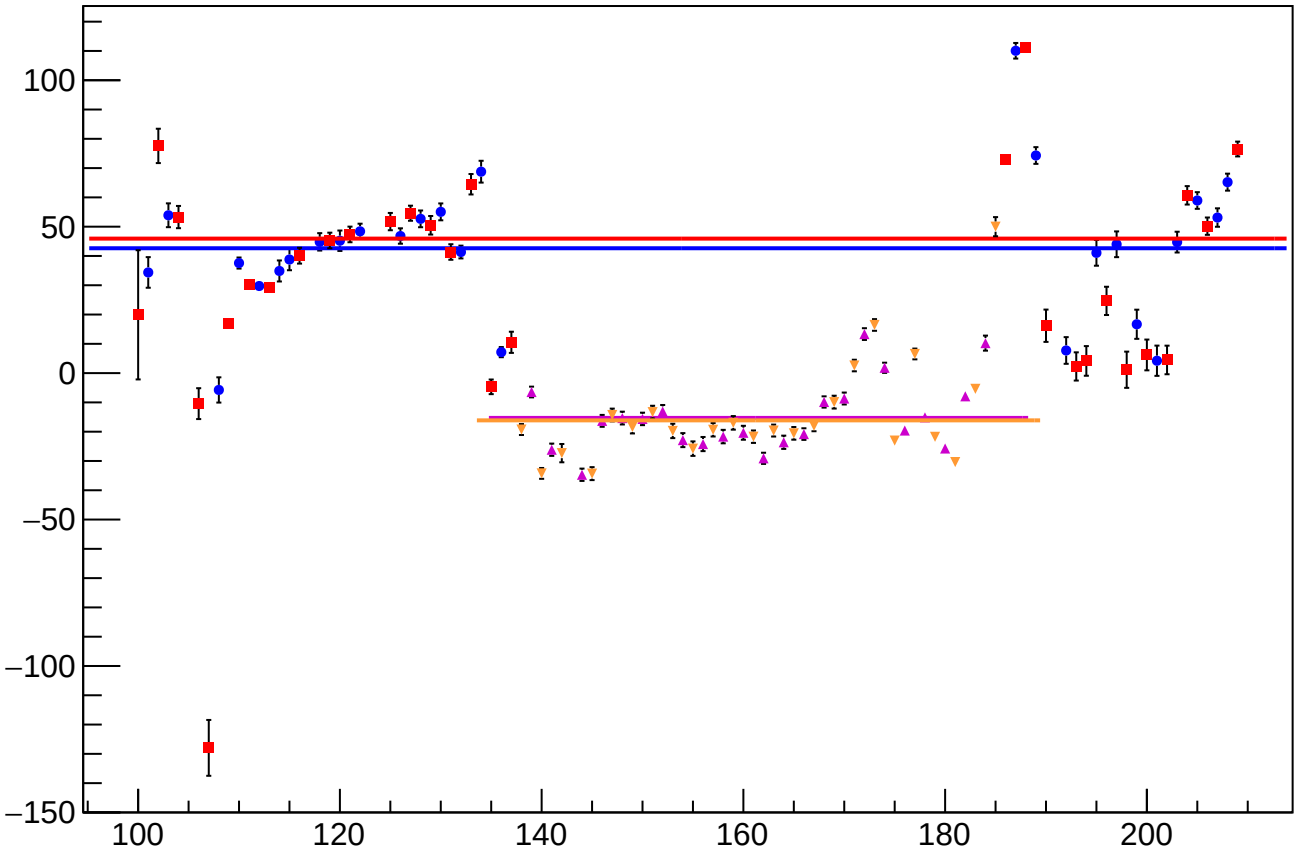
Right Out: -10.624+/-0.024 χ^2/NDF: 414200.8/29

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

\+ sign 1.449+/-0.012 χ^2/NDF: 1692381.0/50

All: 1.755+/-0.008 χ^2/NDF: 3319916.0/103

\- sign 2.059+/-0.012 χ^2/NDF: 1626136.5/52



Right In: 42.632+/-0.556 χ^2/NDF: 1730.6/26

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.925+/-0.505 χ^2/NDF: 4246.6/29

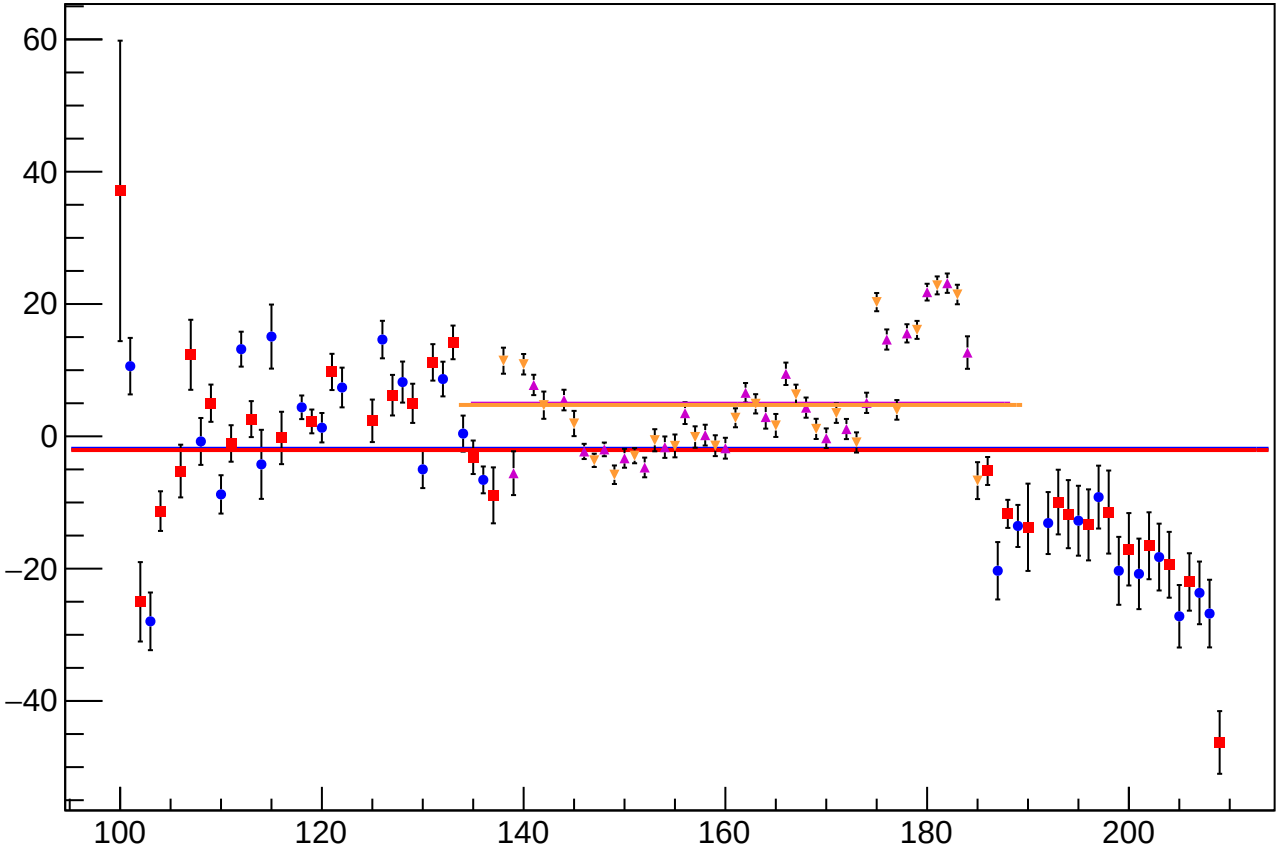
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign 3.778+/-0.324 χ^2/NDF: 10485.3/50

All: 6.231+/-0.226 χ^2/NDF: 24585.9/103

\- sign 8.556+/-0.315 χ^2/NDF: 13988.7/52

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.881+/-0.626 χ^2/NDF: 340.5/26

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -2.075+/-0.600 χ^2/NDF: 325.7/29

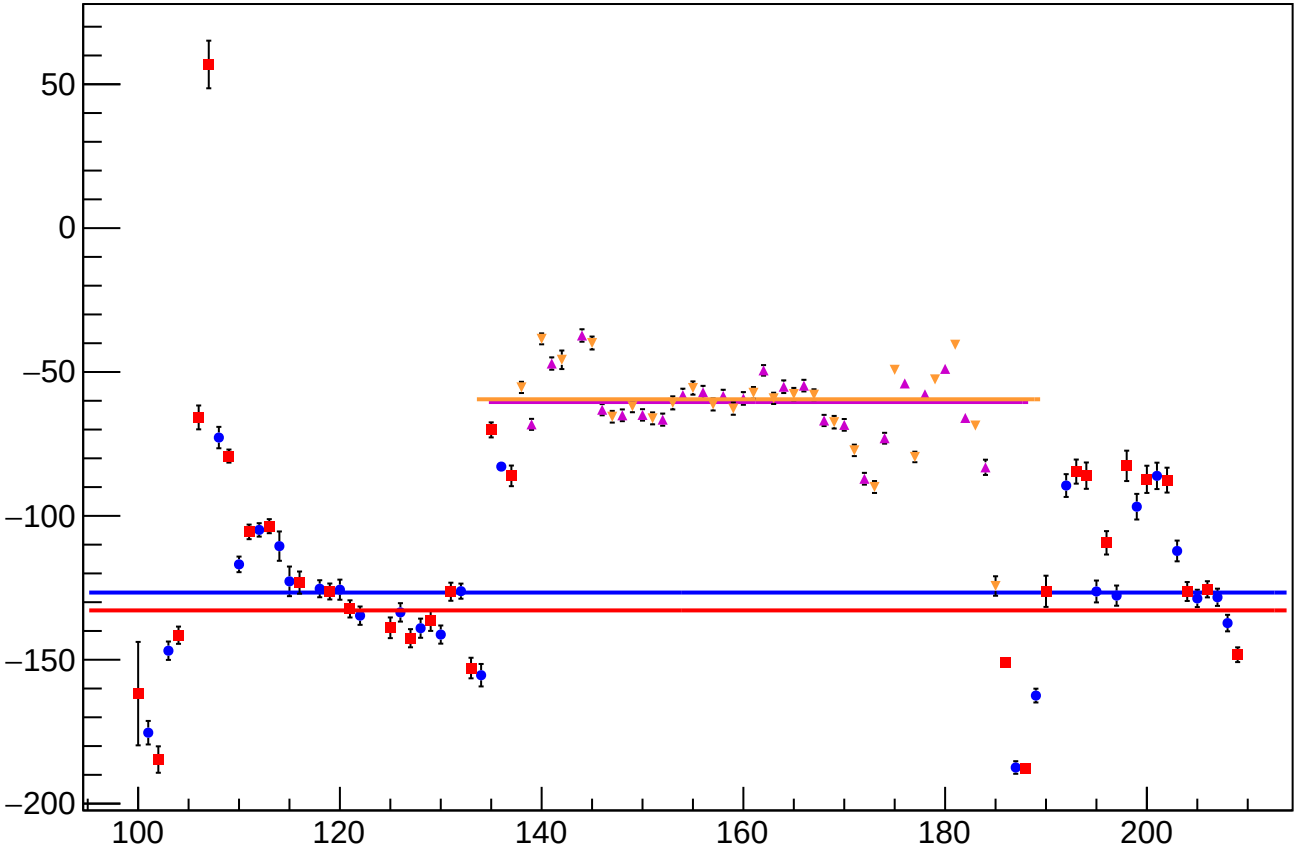
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.464+/-0.275 χ^2/NDF: 1224.5/50

All: 3.451+/-0.195 χ^2/NDF: 2345.7/103

- sign 3.437+/-0.278 χ^2/NDF: 1121.2/52

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -126.650+/-0.591 χ^2/NDF: 2463.3/26

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

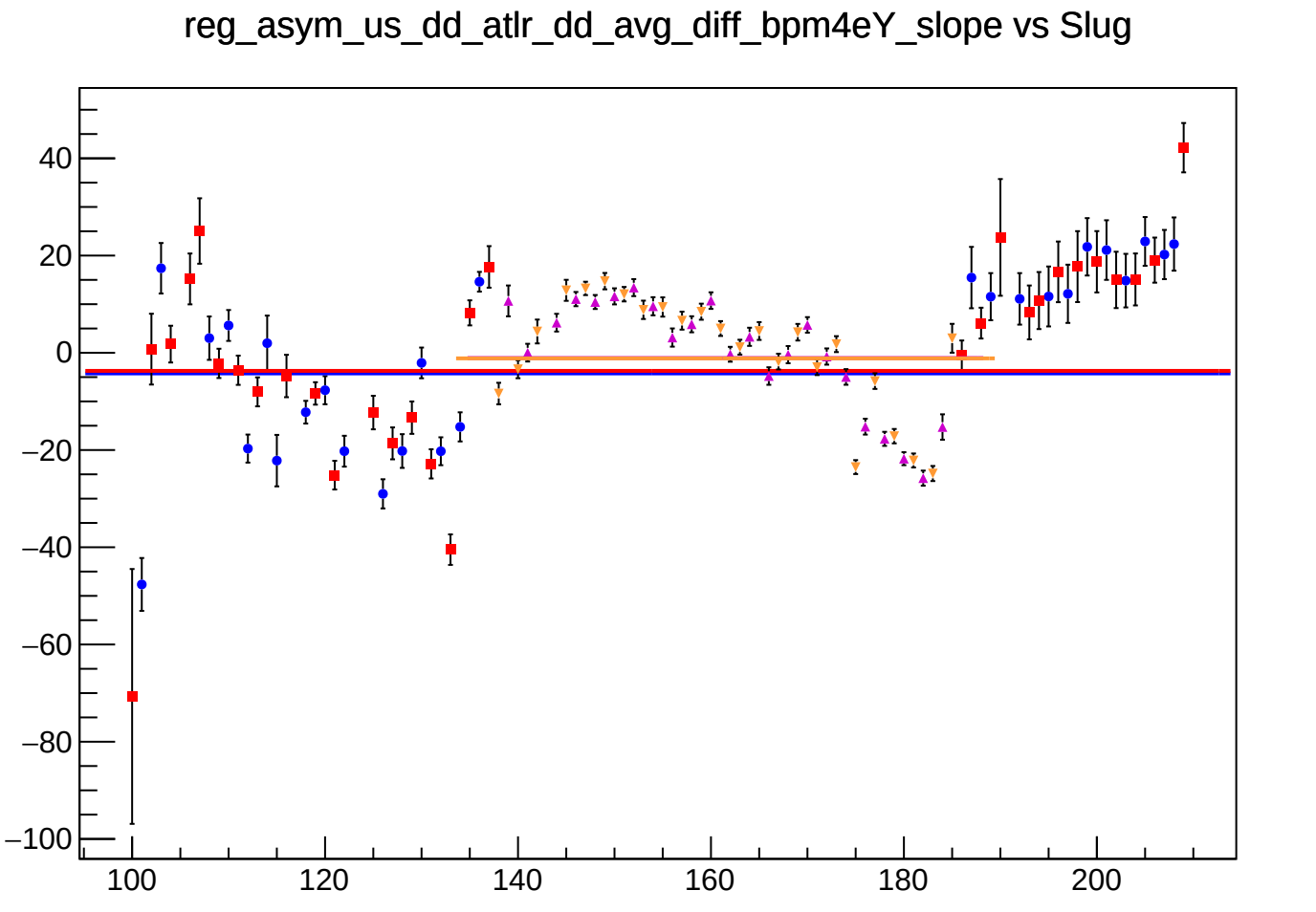
Right Out: -132.854+/-0.524 χ^2/NDF: 5362.9/29

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -80.200+/-0.328 χ^2/NDF: 12759.1/50

All: -83.726+/-0.228 χ^2/NDF: 31079.7/103

\- sign -87.028+/-0.318 χ^2/NDF: 18097.4/52



Right In: -4.237+/-0.718 χ^2/NDF: 561.8/26

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

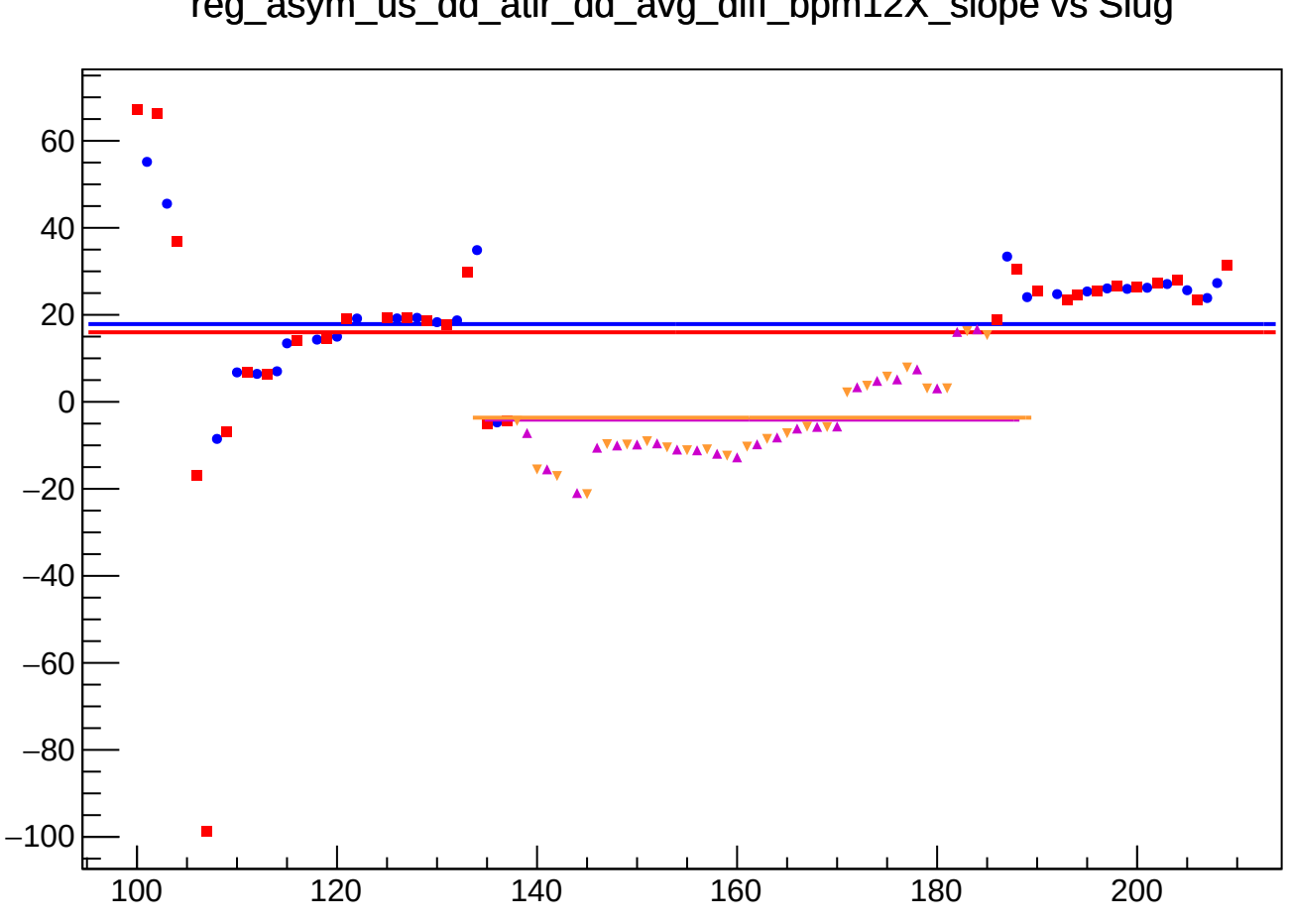
Right Out: -3.718+/-0.705 χ^2/NDF: 546.6/29

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.725+/-0.311 χ^2/NDF: 1879.8/50

All: -1.667+/-0.221 χ^2/NDF: 3595.1/103

- sign -1.608+/-0.315 χ^2/NDF: 1715.2/52



Right In: 17.877+/-0.036 χ^2/NDF: 211514.2/26

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.989+/-0.036 χ^2/NDF: 347491.8/29

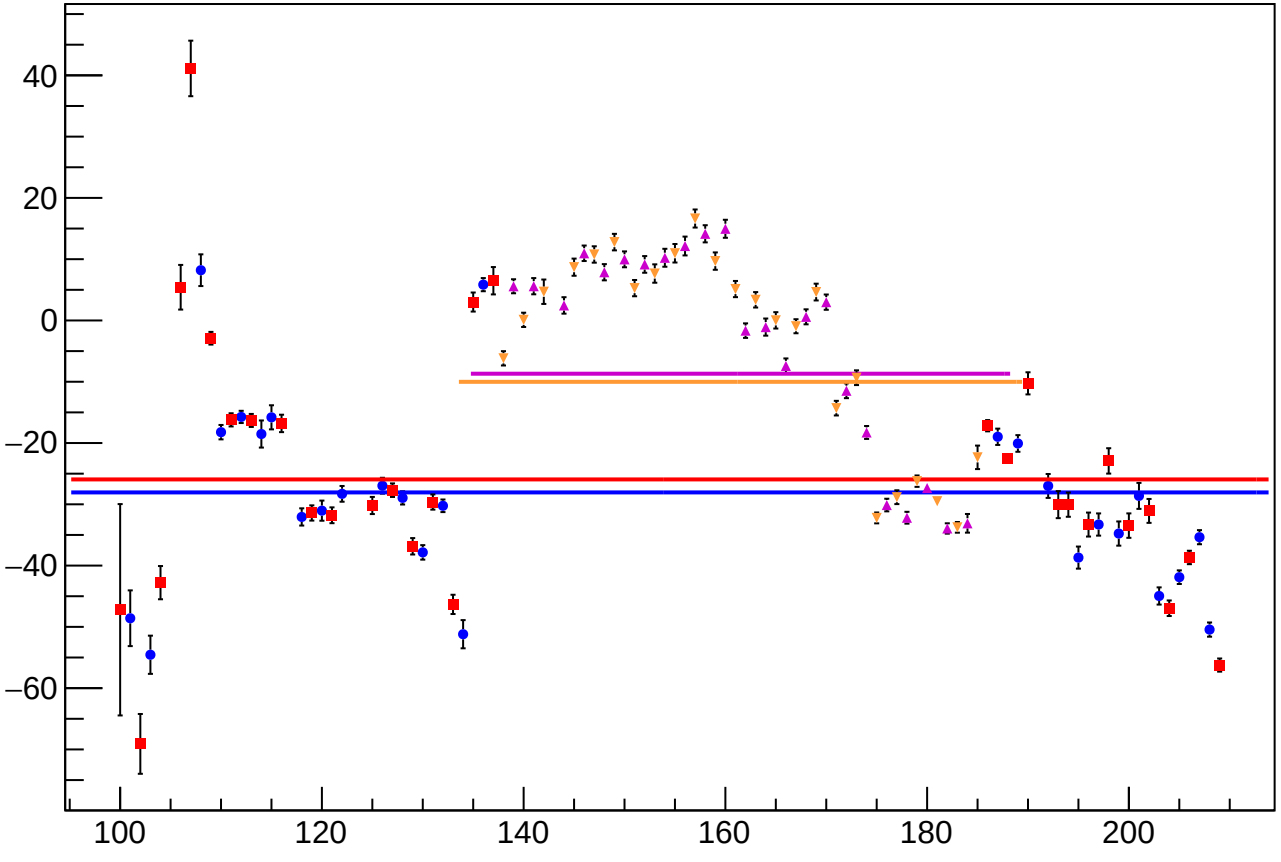
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.329+/-0.014 χ^2/NDF: 855687.1/50

All: -0.654+/-0.010 χ^2/NDF: 1796360.4/103

- sign -0.982+/-0.014 χ^2/NDF: 939622.4/52

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -28.060+/-0.273 χ^2/NDF: 2602.7/26

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

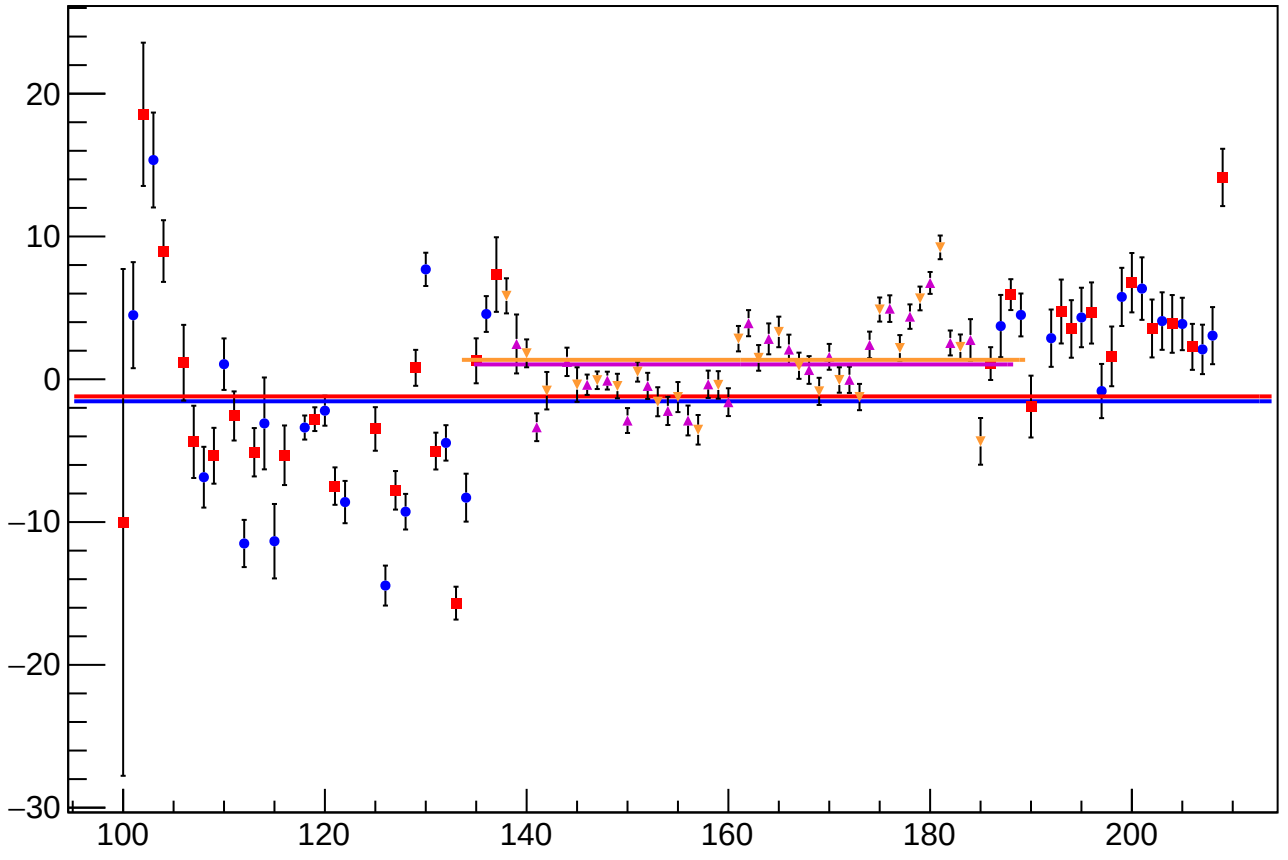
Right Out: -25.939+/-0.256 χ^2/NDF: 3405.3/29

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -18.039+/-0.182 χ^2/NDF: 10006.7/50

All: -17.522+/-0.127 χ^2/NDF: 20794.3/103

- sign -17.027+/-0.178 χ^2/NDF: 10771.8/52



Right In: -1.542+/-0.307 χ^2/NDF: 434.2/26

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

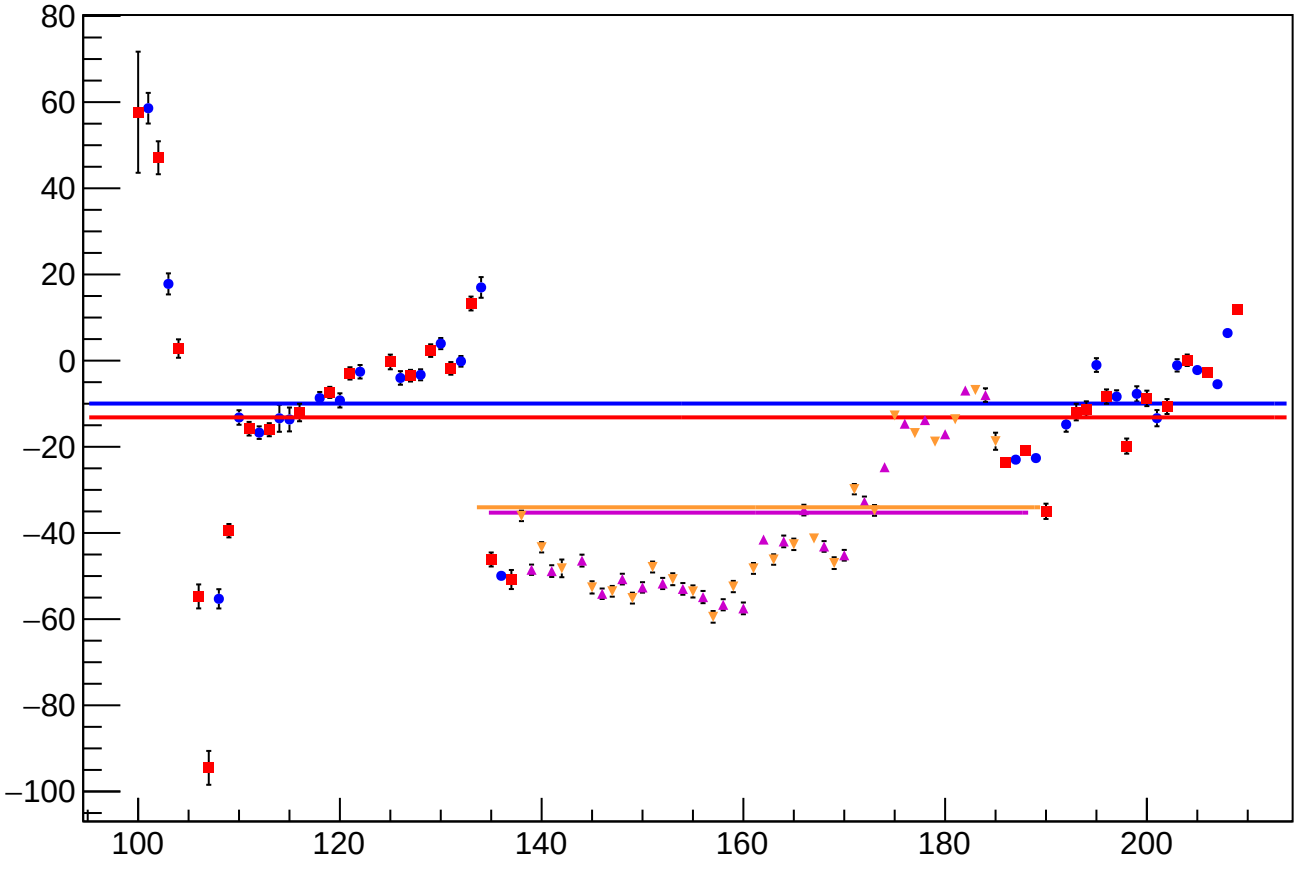
Right Out: -1.199+/-0.297 χ^2/NDF: 448.9/29

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.568+/-0.161 χ^2/NDF: 739.4/50

All: 0.474+/-0.114 χ^2/NDF: 1425.2/103

- sign 0.378+/-0.161 χ^2/NDF: 685.1/52



Right In: -9.962+/-0.286 χ^2/NDF: 3282.5/26

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

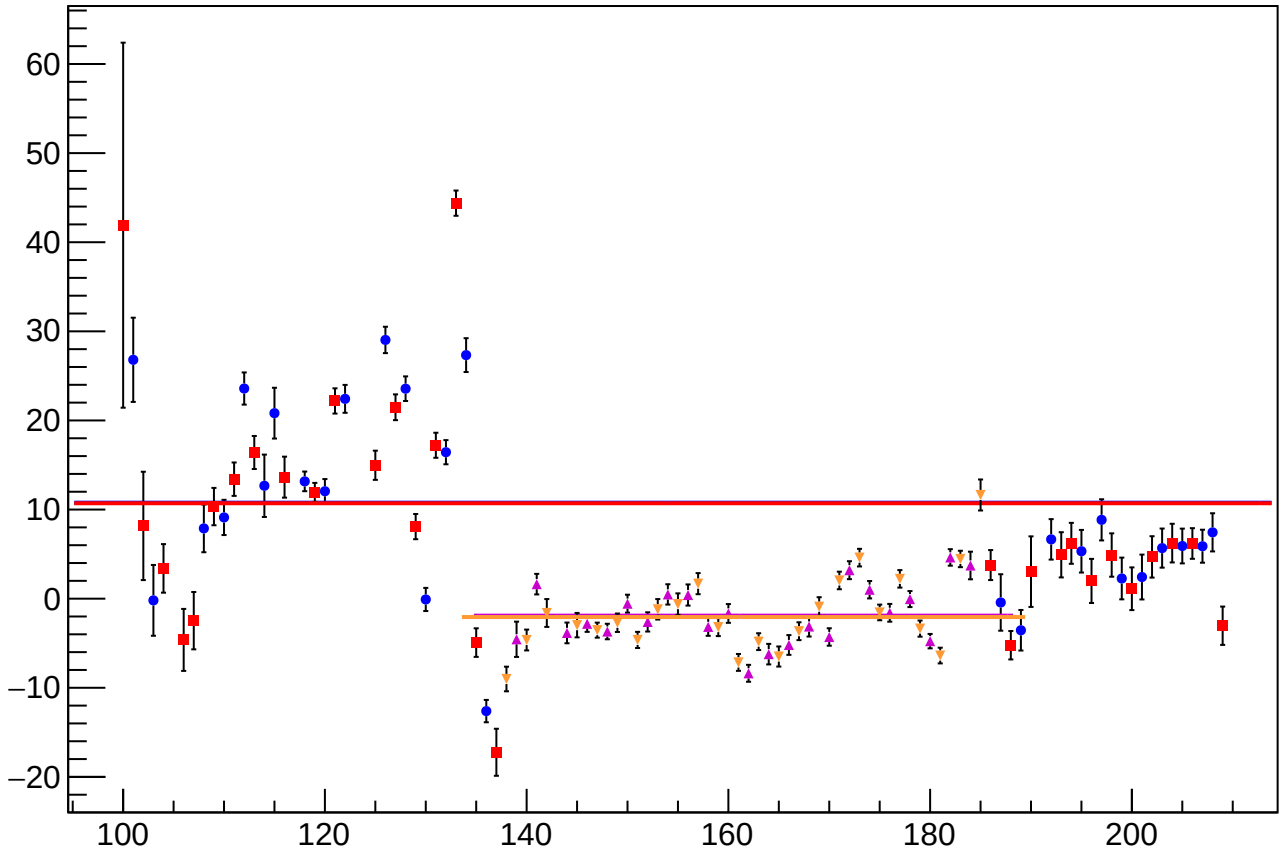
Right Out: -13.169+/-0.260 χ^2/NDF: 3866.6/29

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -23.946+/-0.185 χ^2/NDF: 12377.7/50

All: -24.412+/-0.128 χ^2/NDF: 25087.3/103

- sign -24.846+/-0.178 χ^2/NDF: 12697.3/52



Right In: 10.770+/-0.354 χ^2/NDF: 1000.4/26

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

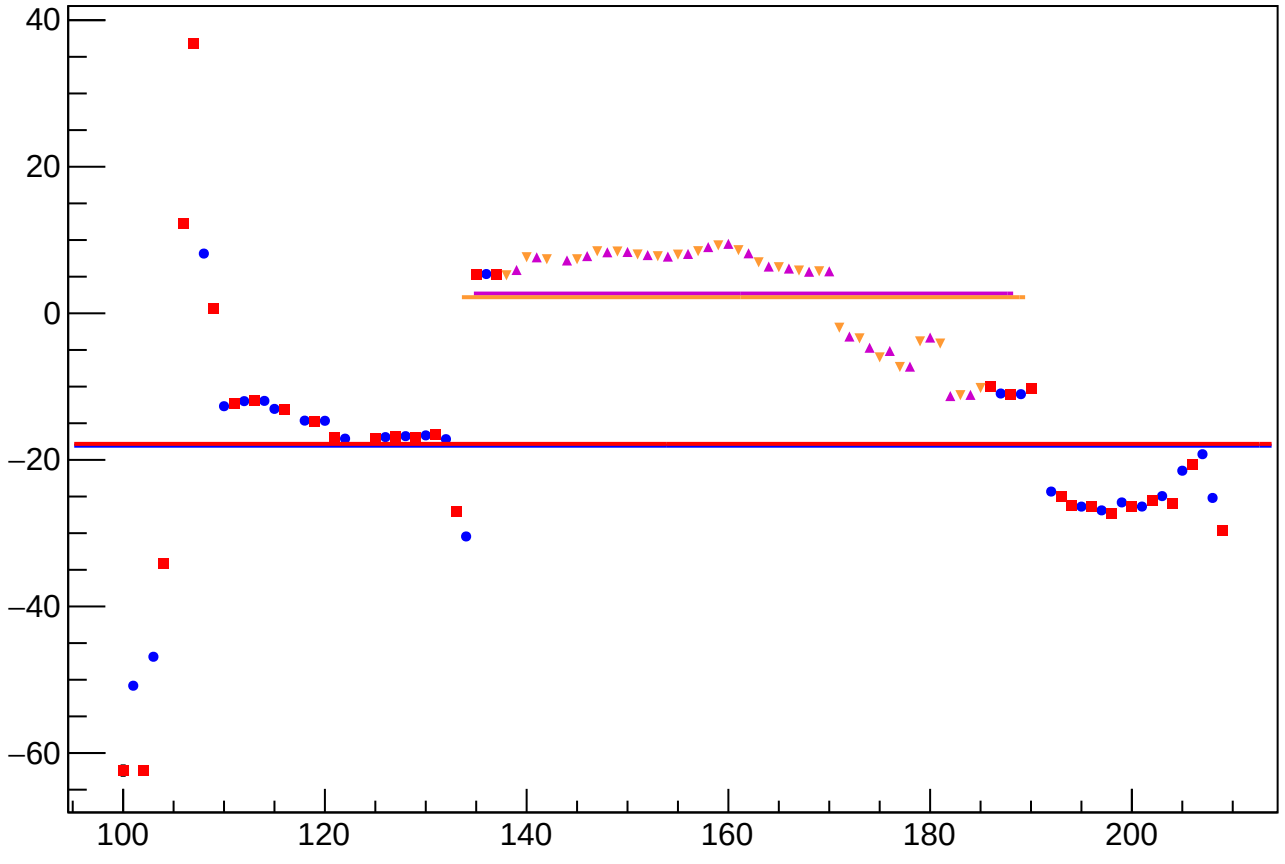
Right Out: 10.708+/-0.349 χ^2/NDF: 1208.8/29

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

+ sign 1.333+/-0.182 χ^2/NDF: 2299.8/50

All: 1.462+/-0.129 χ^2/NDF: 4676.1/103

- sign 1.594+/-0.184 χ^2/NDF: 2375.3/52



Right In: -18.064+/-0.018 χ^2/NDF: 505477.5/26

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.815+/-0.018 χ^2/NDF: 597441.5/29

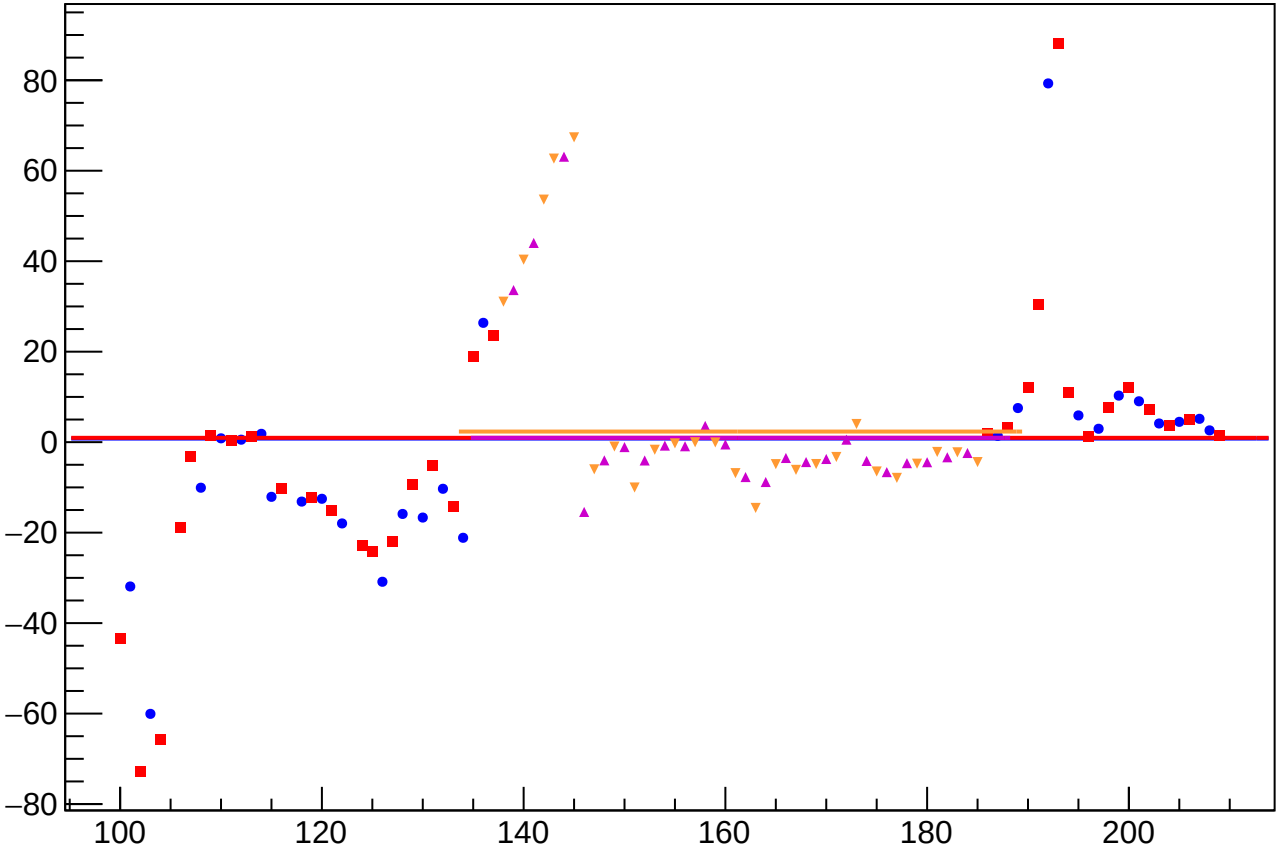
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -2.319+/-0.008 χ^2/NDF: 2029133.2/50

All: -2.156+/-0.006 χ^2/NDF: 4179555.1/103

\- sign -1.993+/-0.008 χ^2/NDF: 2149664.8/52

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.795+/-0.039 χ^2/NDF: 119573.8/26

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.957+/-0.034 χ^2/NDF: 120649.6/31

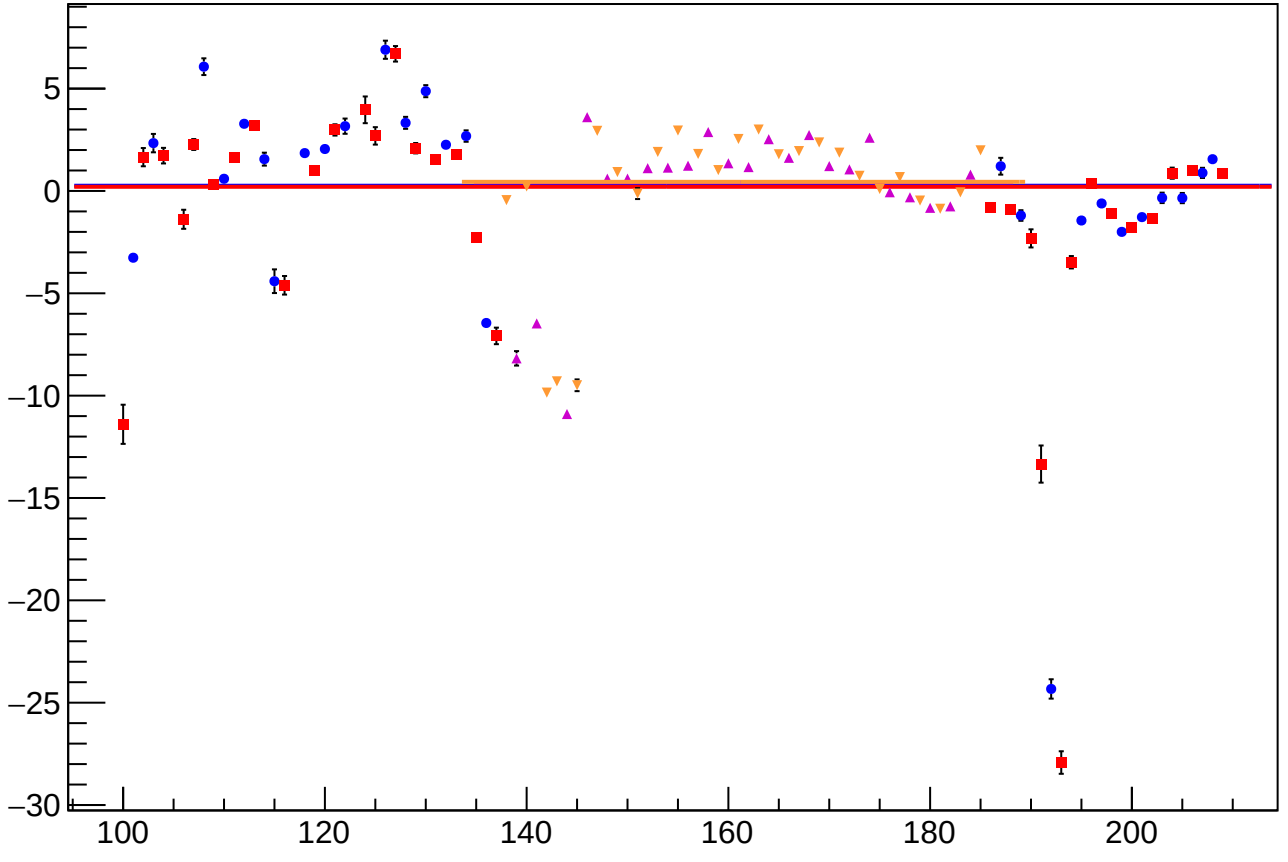
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.548+/-0.028 χ^2/NDF: 297316.1/51

All: 1.230+/-0.019 χ^2/NDF: 550723.9/106

- sign 0.957+/-0.026 χ^2/NDF: 253169.4/54

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.255+/-0.047 χ^2/NDF: 5862.5/26

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.204+/-0.044 χ^2/NDF: 5100.0/31

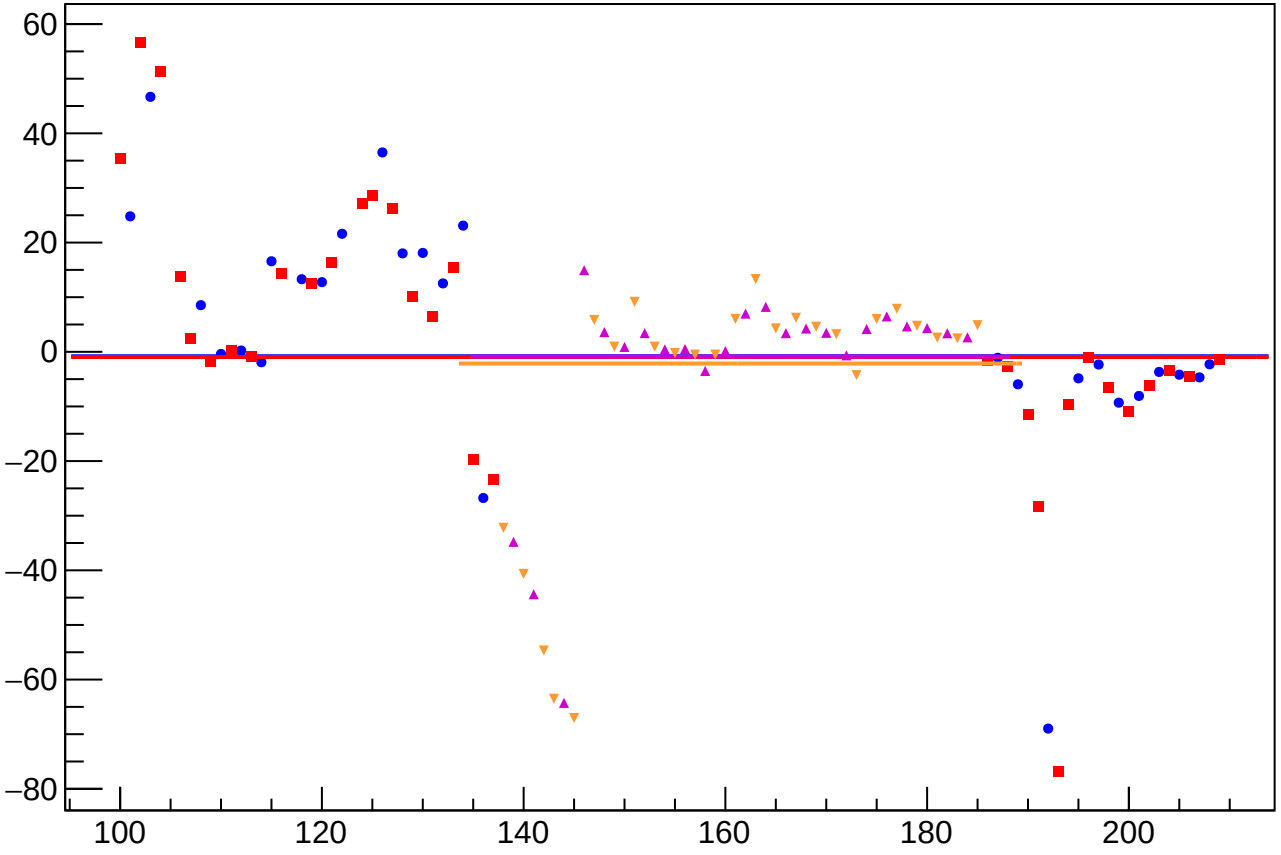
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.383+/-0.027 χ^2/NDF: 12918.0/51

All: 0.366+/-0.018 χ^2/NDF: 25138.1/106

- sign 0.352+/-0.026 χ^2/NDF: 12219.4/54

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -0.813+/-0.040 χ^2/NDF: 118359.0/26

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.955+/-0.036 χ^2/NDF: 118939.2/31

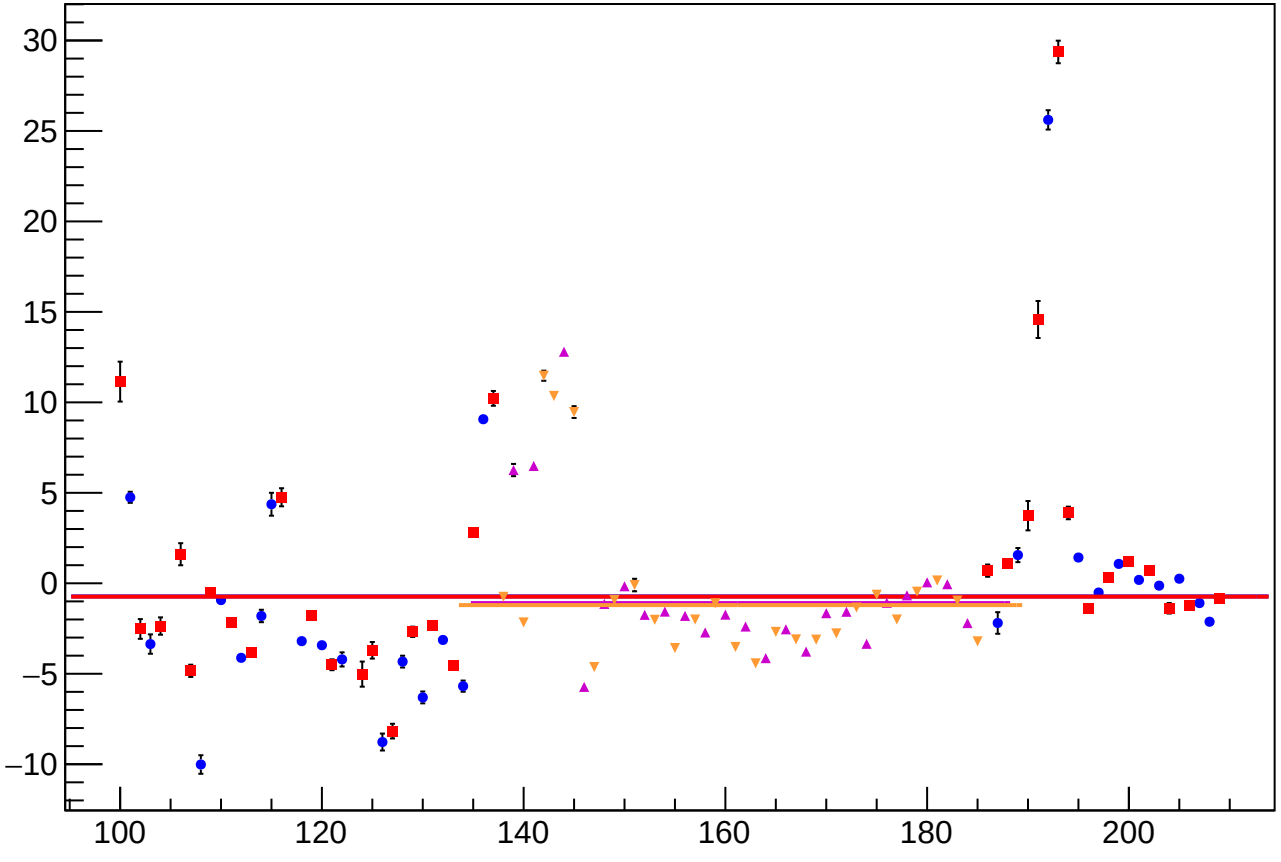
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.481+/-0.029 χ^2/NDF: 290173.2/51

All: -1.182+/-0.019 χ^2/NDF: 538518.0/106

- sign -0.921+/-0.027 χ^2/NDF: 248139.0/54

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.725+/-0.054 χ^2/NDF: 7353.0/26

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

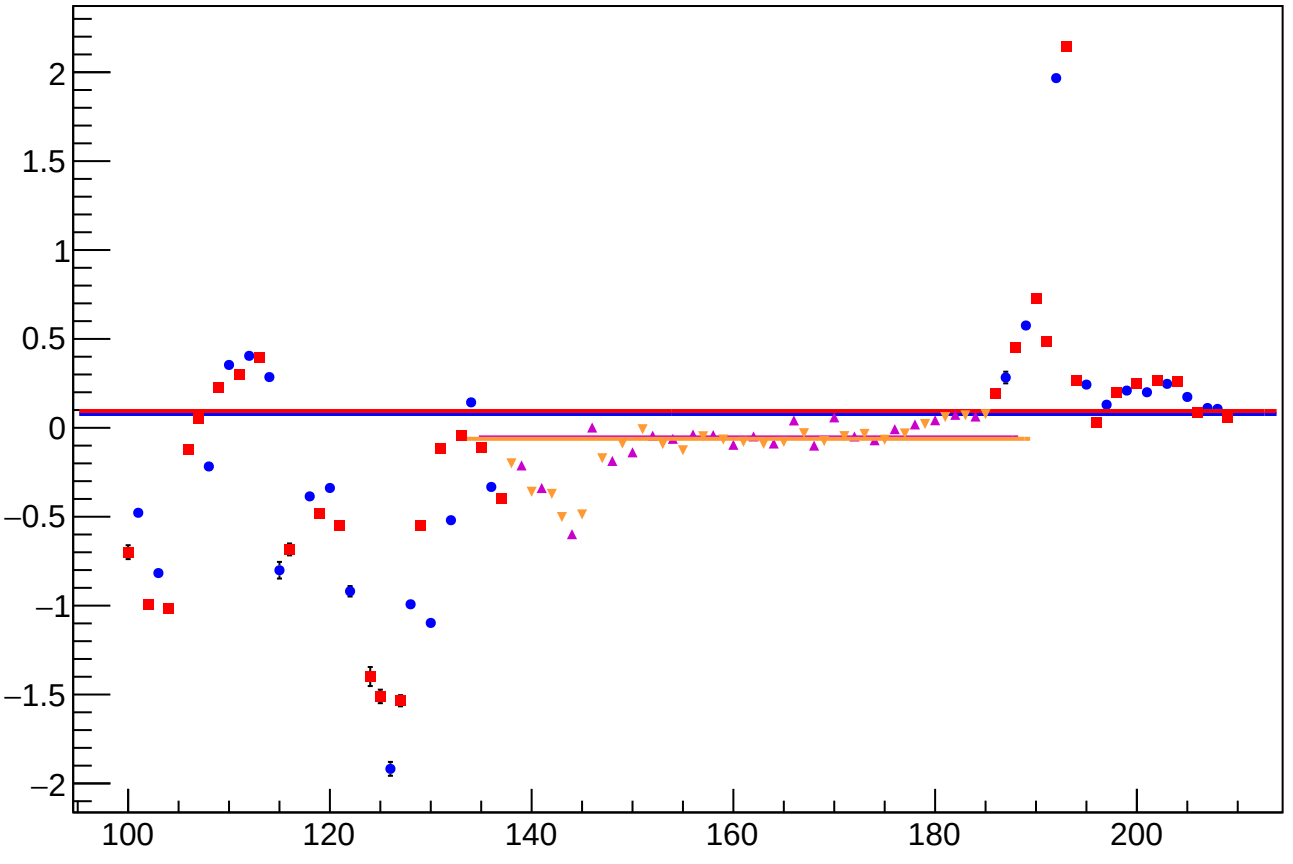
Right Out: -0.739+/-0.051 χ^2/NDF: 5611.1/31

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.056+/-0.030 χ^2/NDF: 14410.8/51

All: -1.016+/-0.021 χ^2/NDF: 27087.5/106

- sign -0.980+/-0.029 χ^2/NDF: 12673.4/54



Right In: 0.078+/-0.002 χ^2/NDF: 34006.7/26

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.095+/-0.002 χ^2/NDF: 34650.8/31

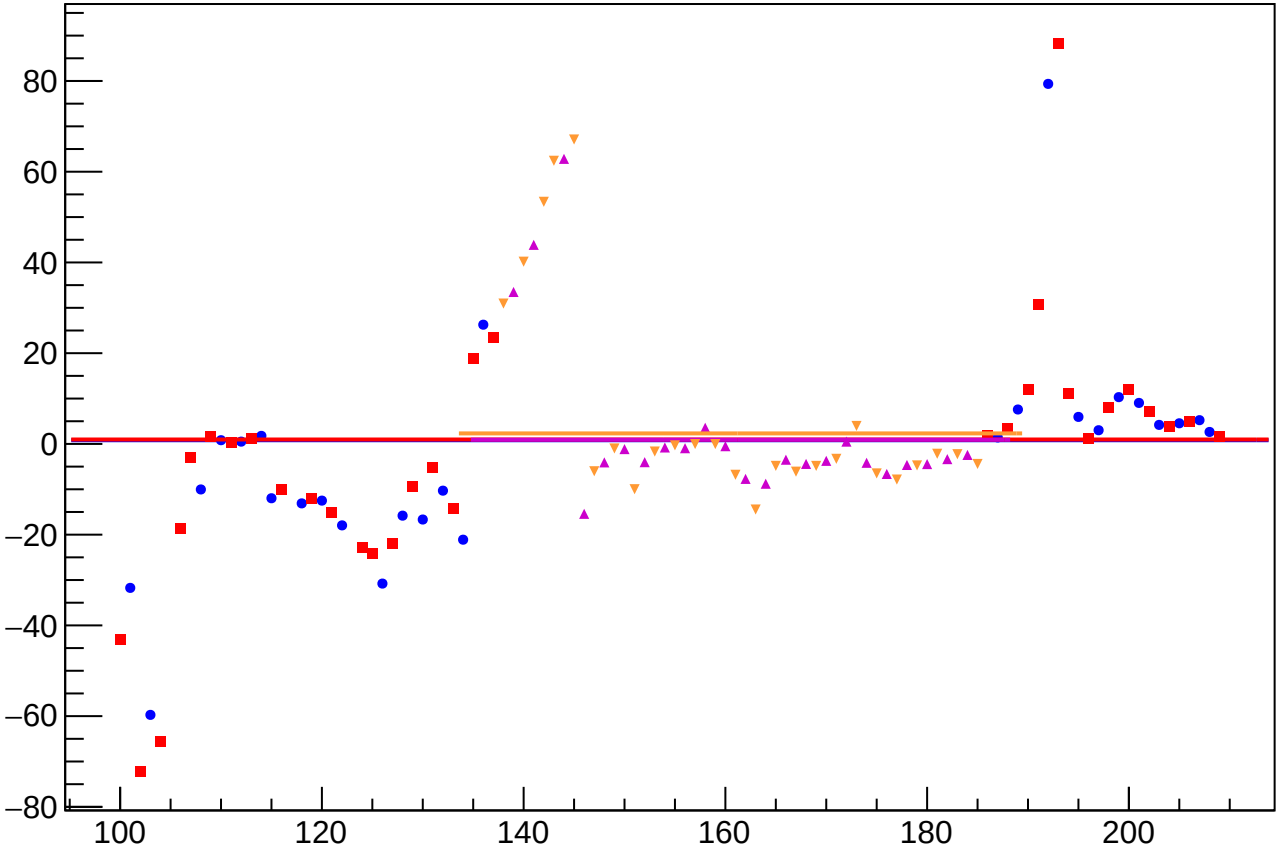
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.019+/-0.001 χ^2/NDF: 42092.8/51

All: -0.014+/-0.001 χ^2/NDF: 84710.4/106

- sign -0.010+/-0.001 χ^2/NDF: 42594.1/54

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.814+/-0.039 χ^2/NDF: 120072.1/26

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.975+/-0.034 χ^2/NDF: 121198.4/31

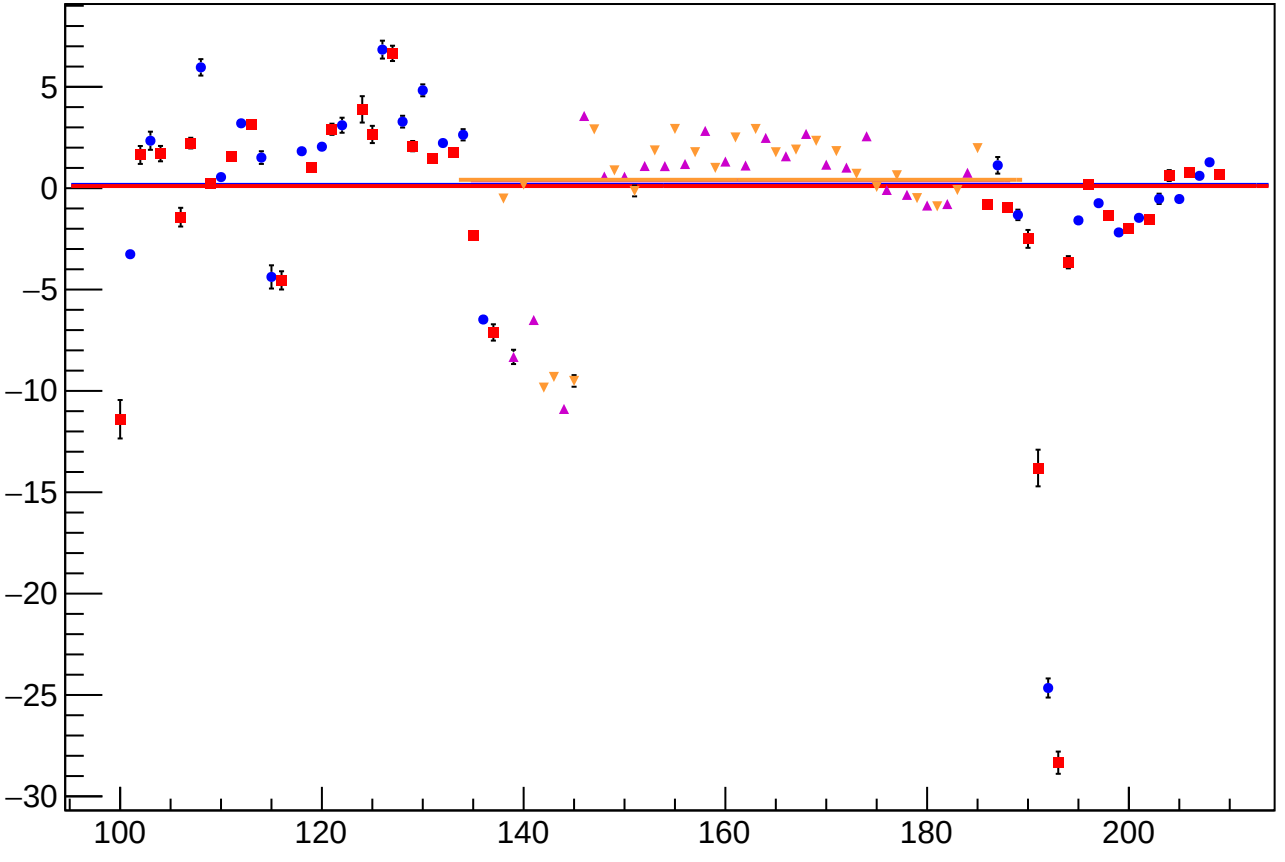
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.545+/-0.028 χ^2/NDF: 297540.5/51

All: 1.229+/-0.019 χ^2/NDF: 551381.6/106

- sign 0.958+/-0.026 χ^2/NDF: 253604.4/54

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.163+/-0.046 χ^2/NDF: 5987.1/26

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.106+/-0.044 χ^2/NDF: 5261.0/31

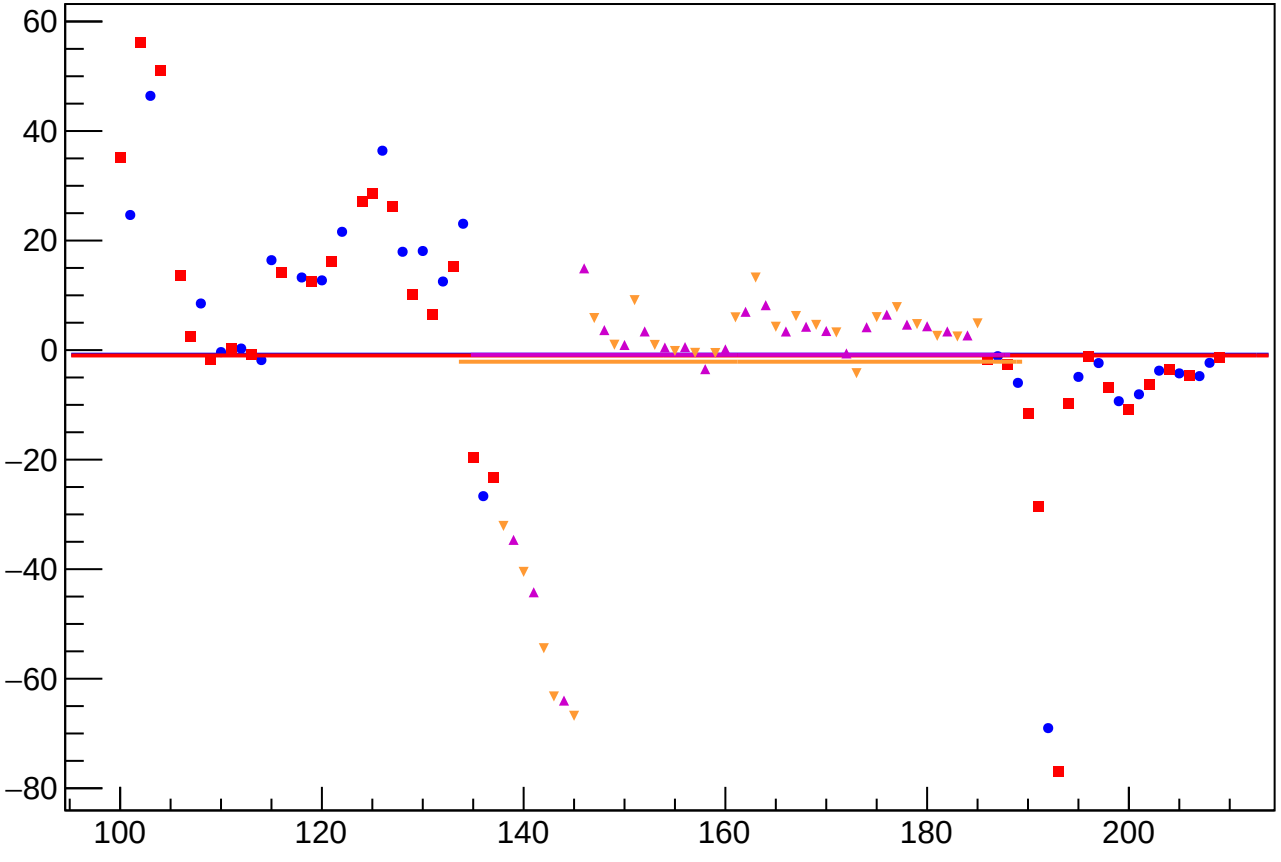
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.330+/-0.027 χ^2/NDF: 13053.9/51

All: 0.311+/-0.018 χ^2/NDF: 25457.9/106

- sign 0.293+/-0.025 χ^2/NDF: 12403.0/54

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.837+/-0.040 χ^2/NDF: 118824.9/26

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.980+/-0.036 χ^2/NDF: 119462.9/31

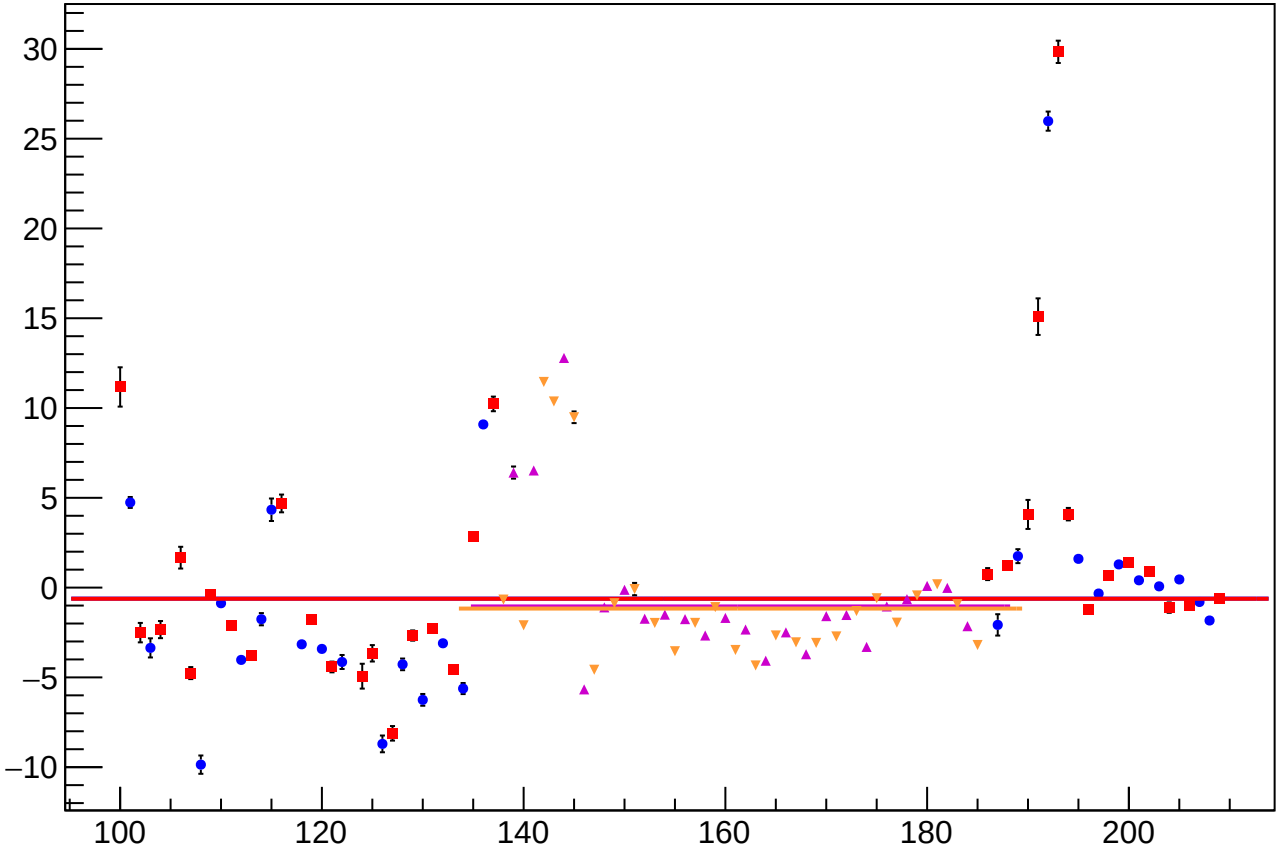
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.481+/-0.028 χ^2/NDF: 290373.6/51

All: -1.183+/-0.019 χ^2/NDF: 539131.2/106

- sign -0.925+/-0.027 χ^2/NDF: 248553.0/54

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.613+/-0.054 χ^2/NDF: 7461.3/26

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

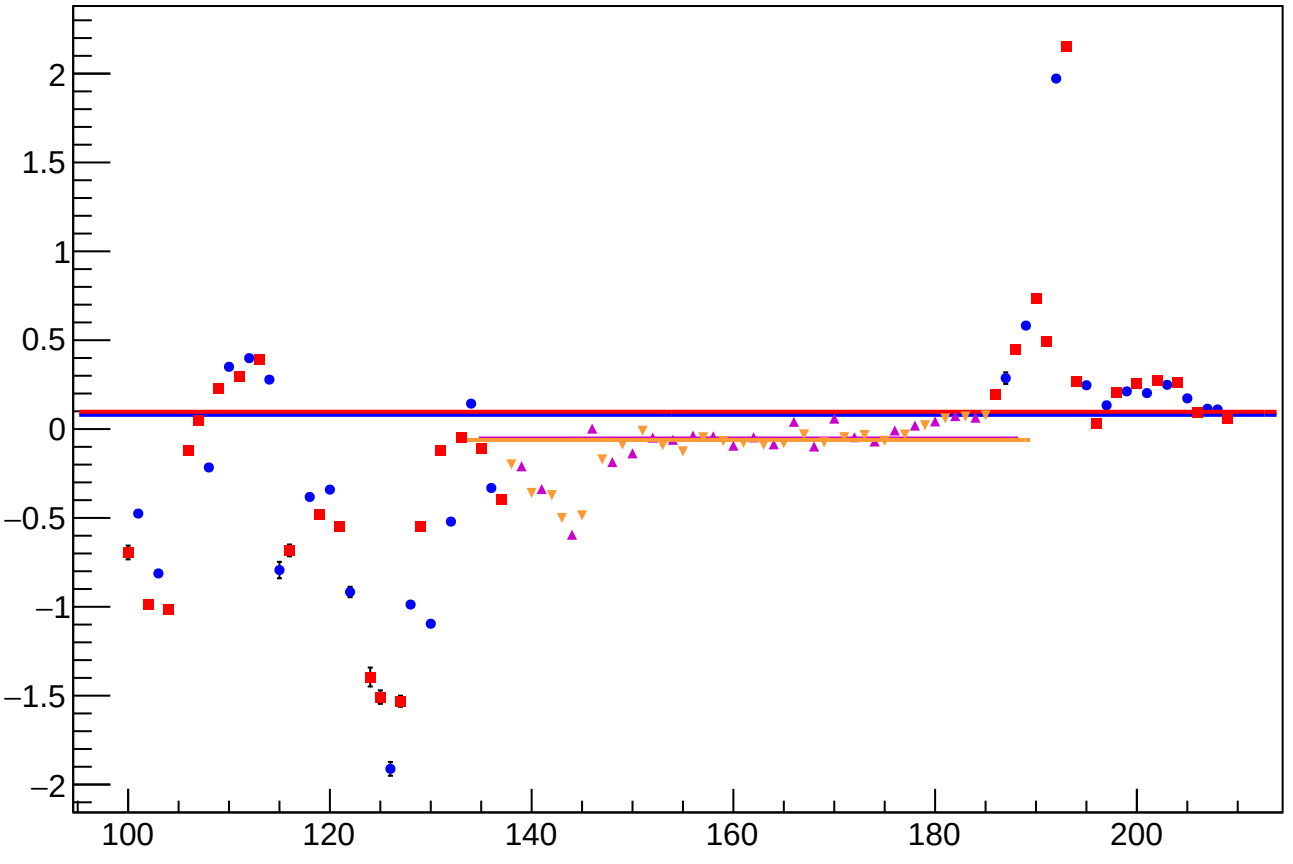
Right Out: -0.621+/-0.051 χ^2/NDF: 5766.0/31

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -0.994+/-0.030 χ^2/NDF: 14536.1/51

All: -0.951+/-0.021 χ^2/NDF: 27395.4/106

- sign -0.911+/-0.029 χ^2/NDF: 12855.3/54



Right In: 0.080+/-0.002 χ^2/NDF: 34278.0/26

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34961.9/31

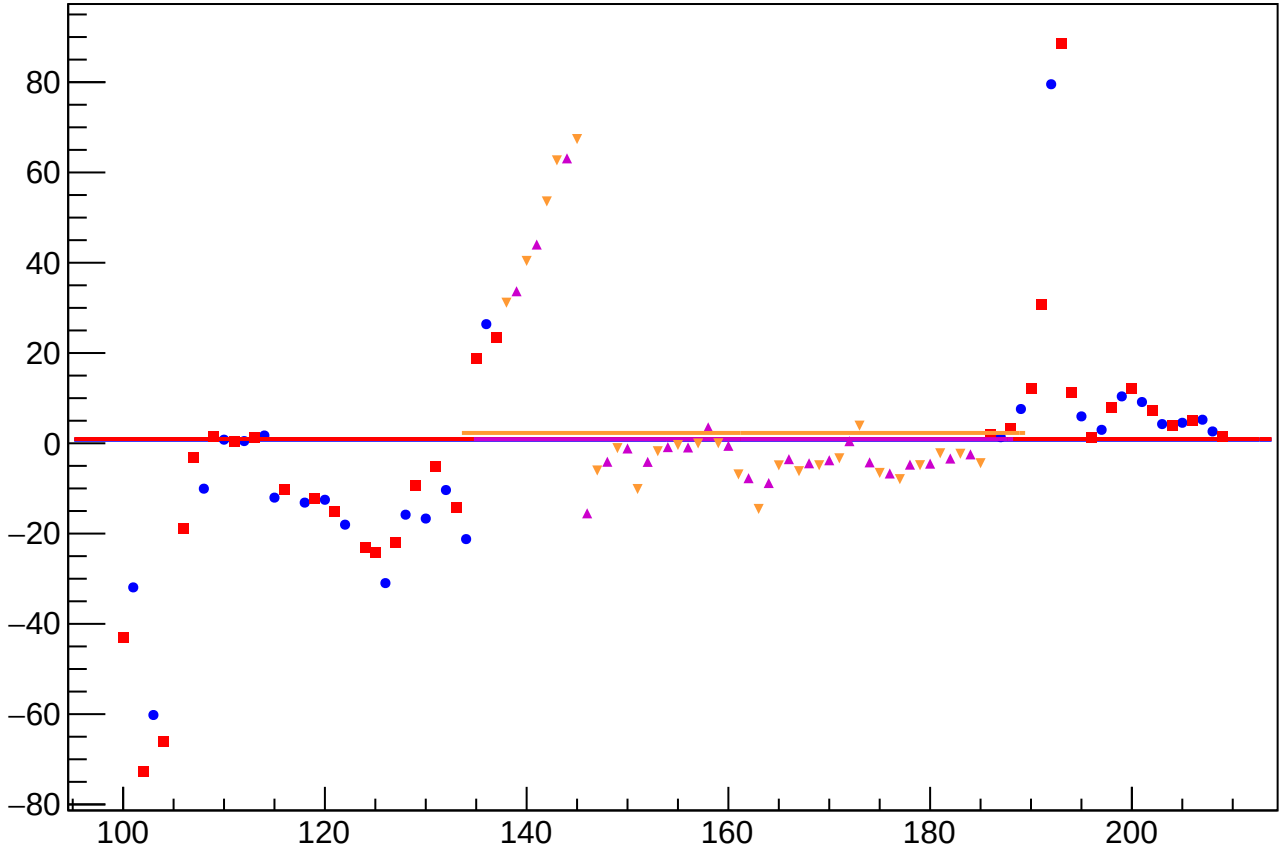
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.018+/-0.001 χ^2/NDF: 42464.5/51

All: -0.013+/-0.001 χ^2/NDF: 85478.0/106

- sign -0.009+/-0.001 χ^2/NDF: 42987.4/54

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.783+/-0.039 χ^2/NDF: 120113.2/26

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.952+/-0.034 χ^2/NDF: 121237.5/31

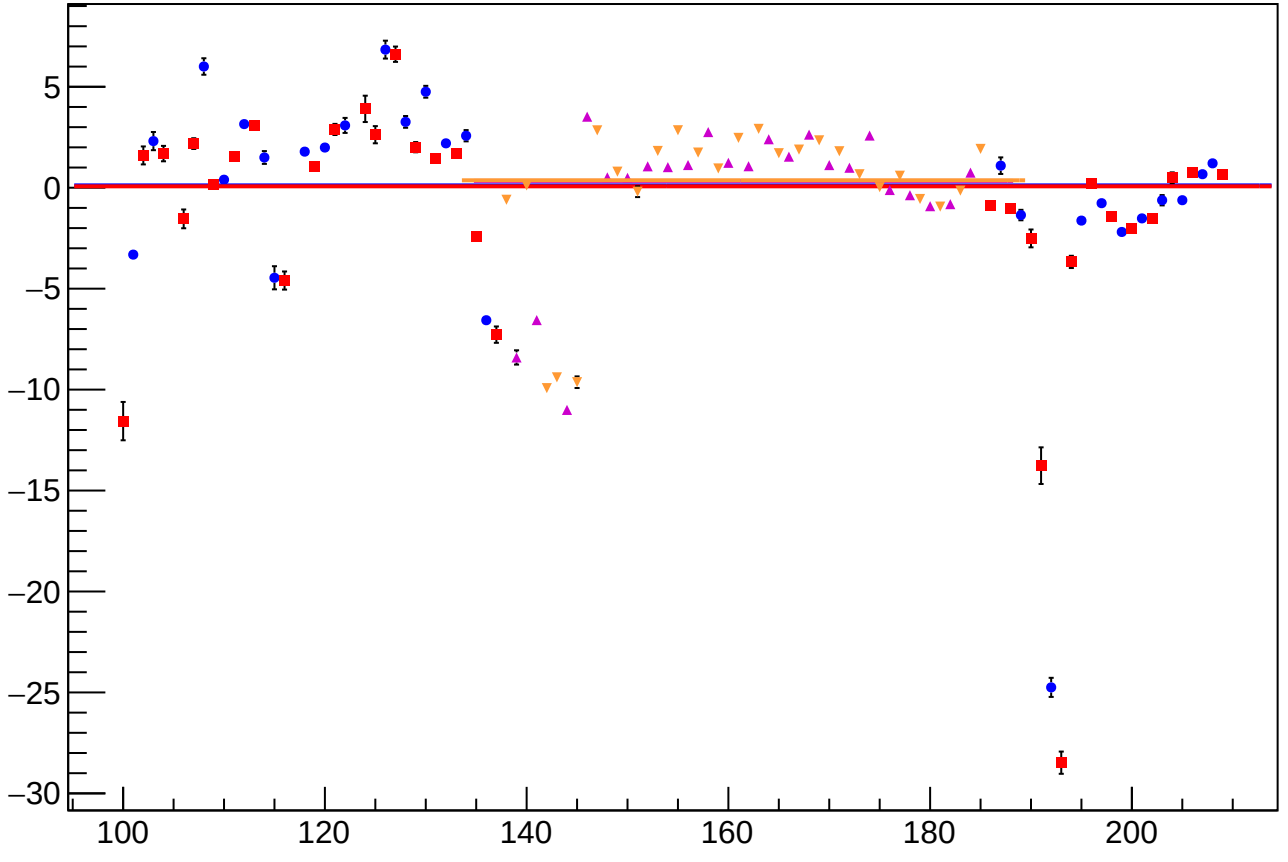
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.520+/-0.028 χ^2/NDF: 298022.0/51

All: 1.205+/-0.019 χ^2/NDF: 552066.8/106

- sign 0.935+/-0.026 χ^2/NDF: 253811.8/54

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.116+/-0.047 χ^2/NDF: 5973.5/26

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.069+/-0.044 χ^2/NDF: 5255.1/31

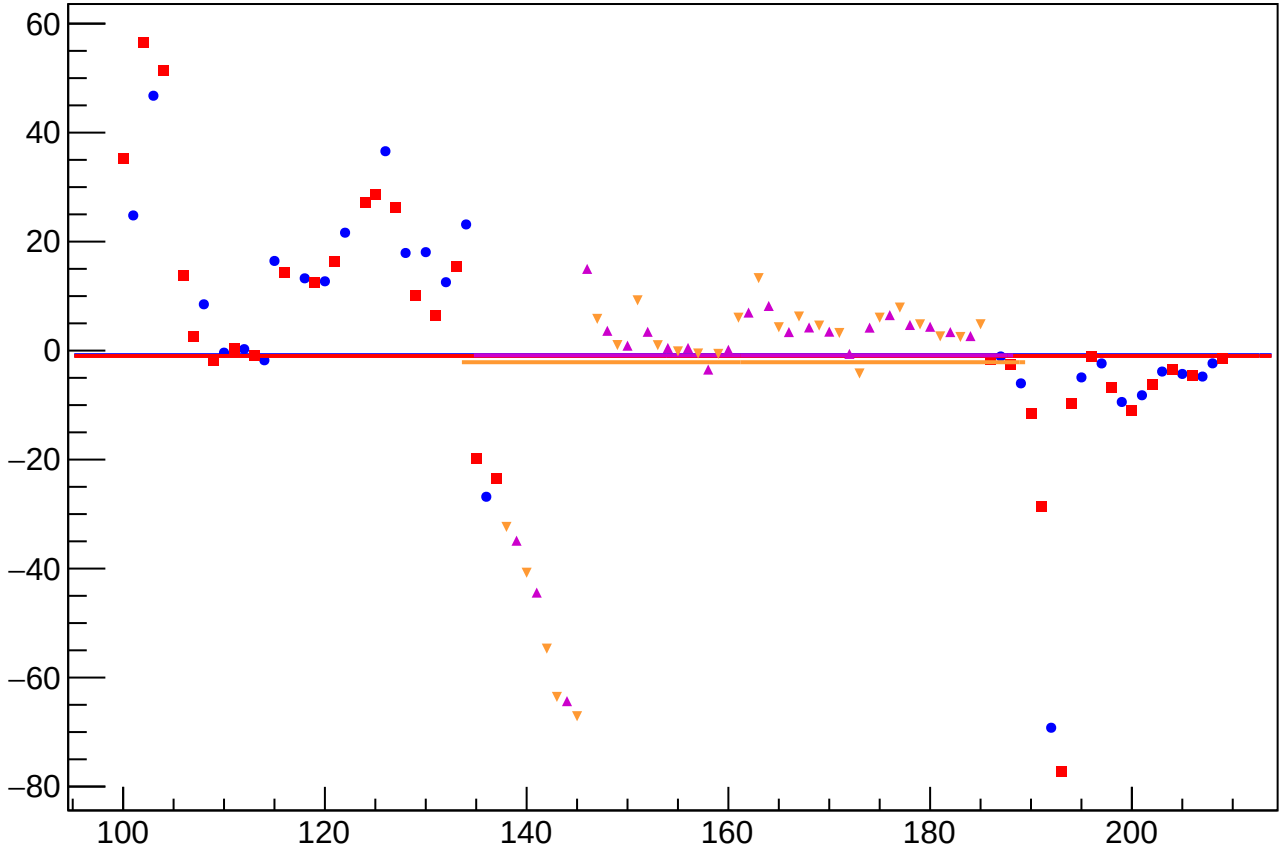
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.284+/-0.027 χ^2/NDF: 13061.0/51

All: 0.264+/-0.019 χ^2/NDF: 25436.1/106

- sign 0.246+/-0.026 χ^2/NDF: 12374.1/54

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.838+/-0.041 χ^2/NDF: 118879.0/26

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.987+/-0.036 χ^2/NDF: 119525.4/31

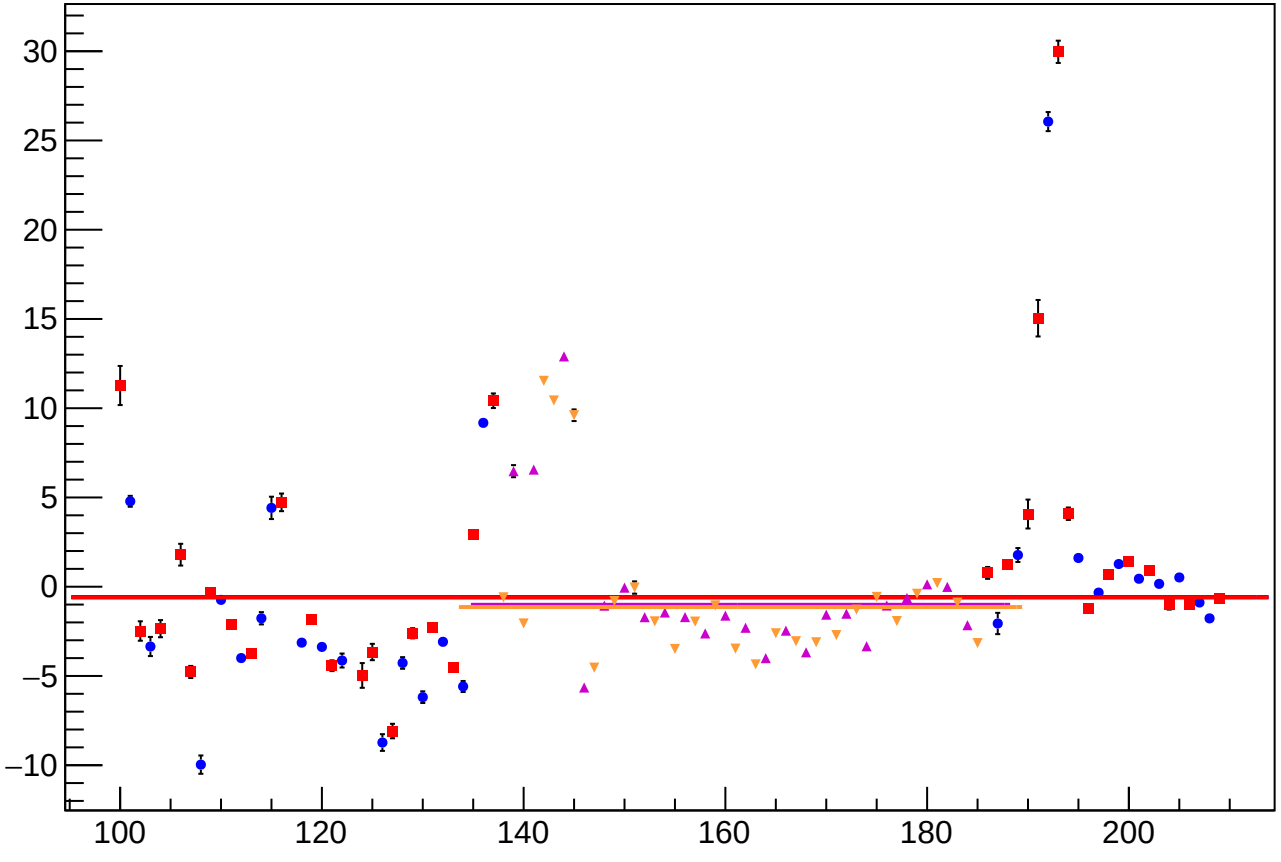
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.489+/-0.029 χ^2/NDF: 290859.9/51

All: -1.192+/-0.019 χ^2/NDF: 539855.2/106

- sign -0.934+/-0.027 χ^2/NDF: 248793.4/54

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.582+/-0.054 χ^2/NDF: 7455.3/26

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.602+/-0.051 χ^2/NDF: 5770.9/31

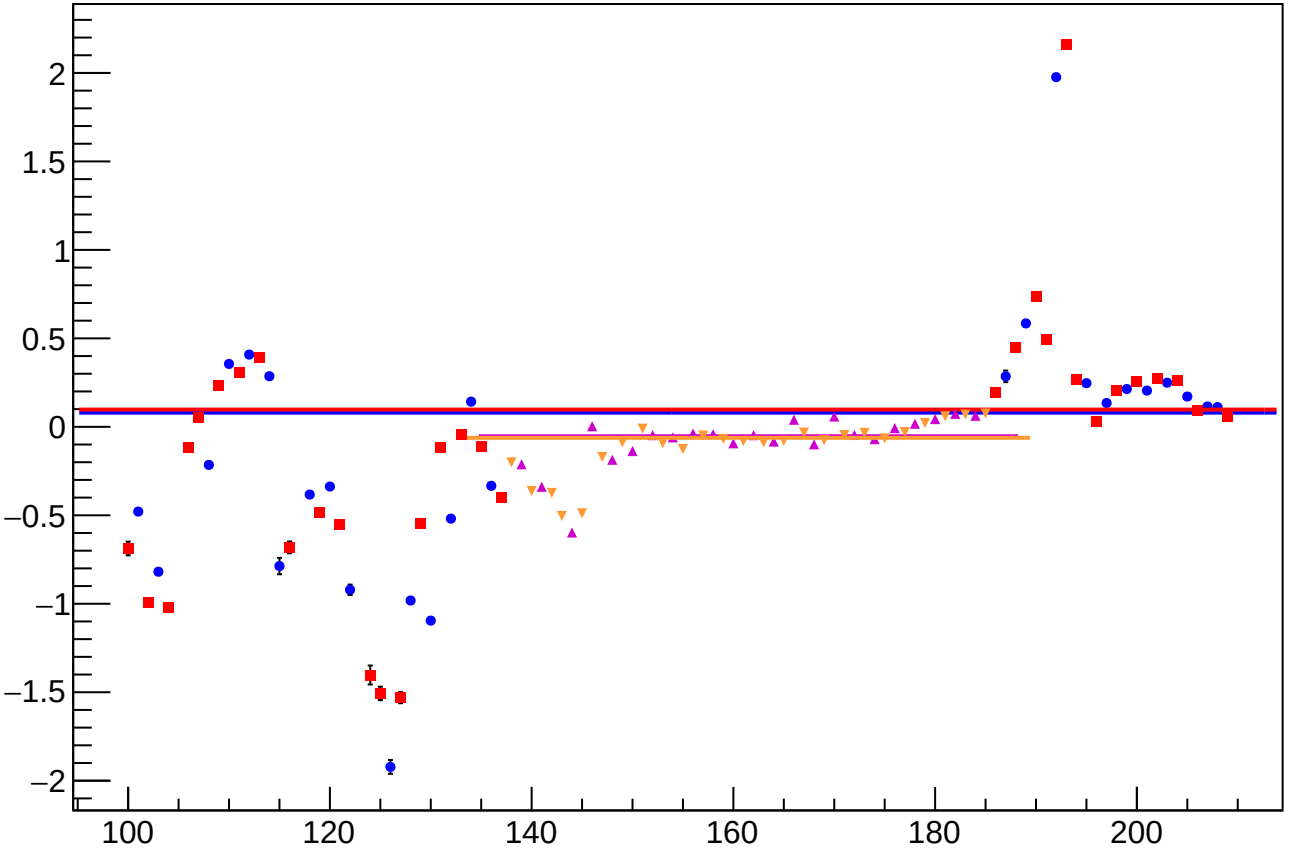
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.966+/-0.030 χ^2/NDF: 14551.7/51

All: -0.922+/-0.021 χ^2/NDF: 27398.6/106

- sign -0.882+/-0.029 χ^2/NDF: 12842.7/54

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.080+/-0.002 χ^2/NDF: 34269.8/26

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

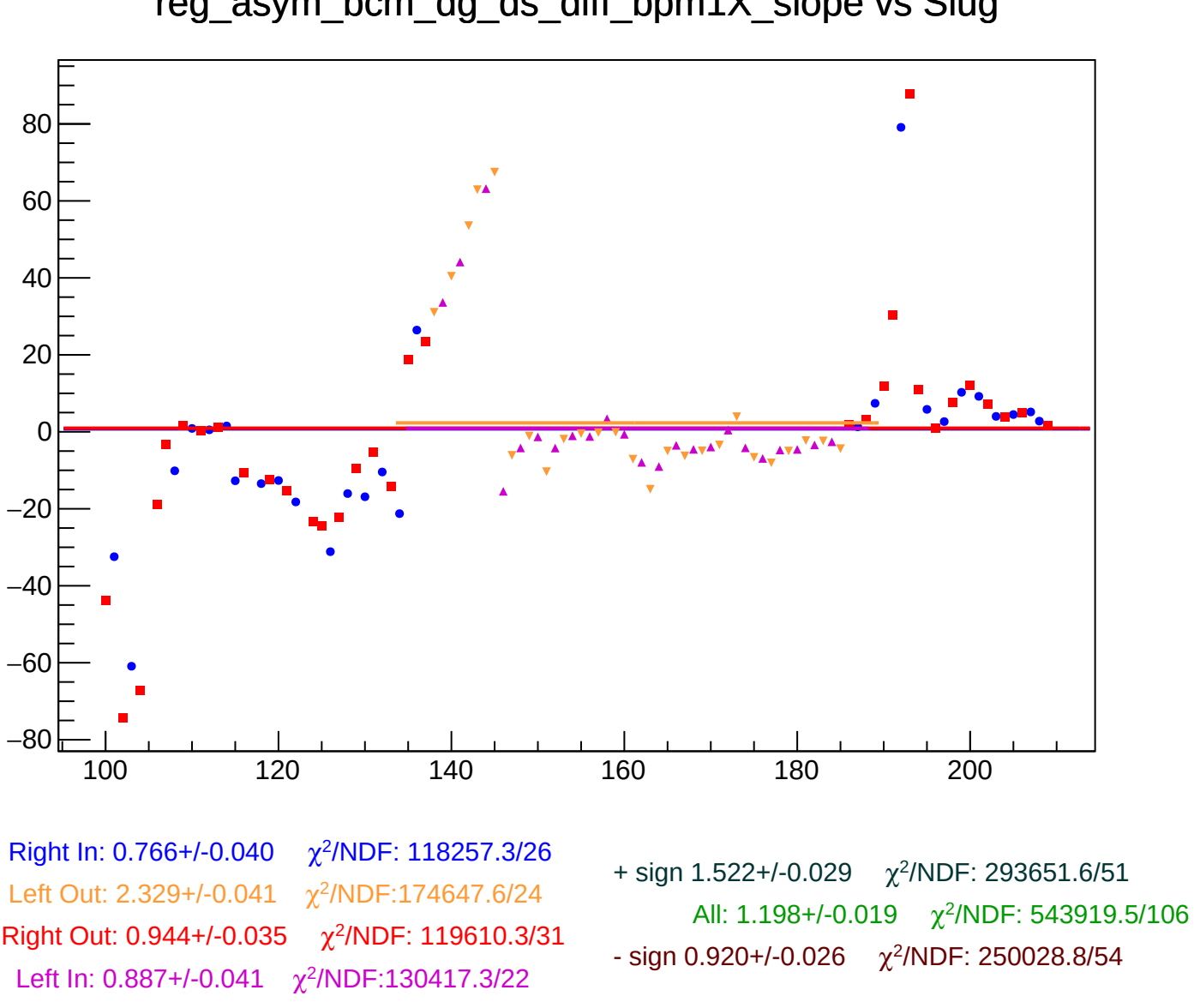
Right Out: 0.097+/-0.002 χ^2/NDF: 34925.5/31

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

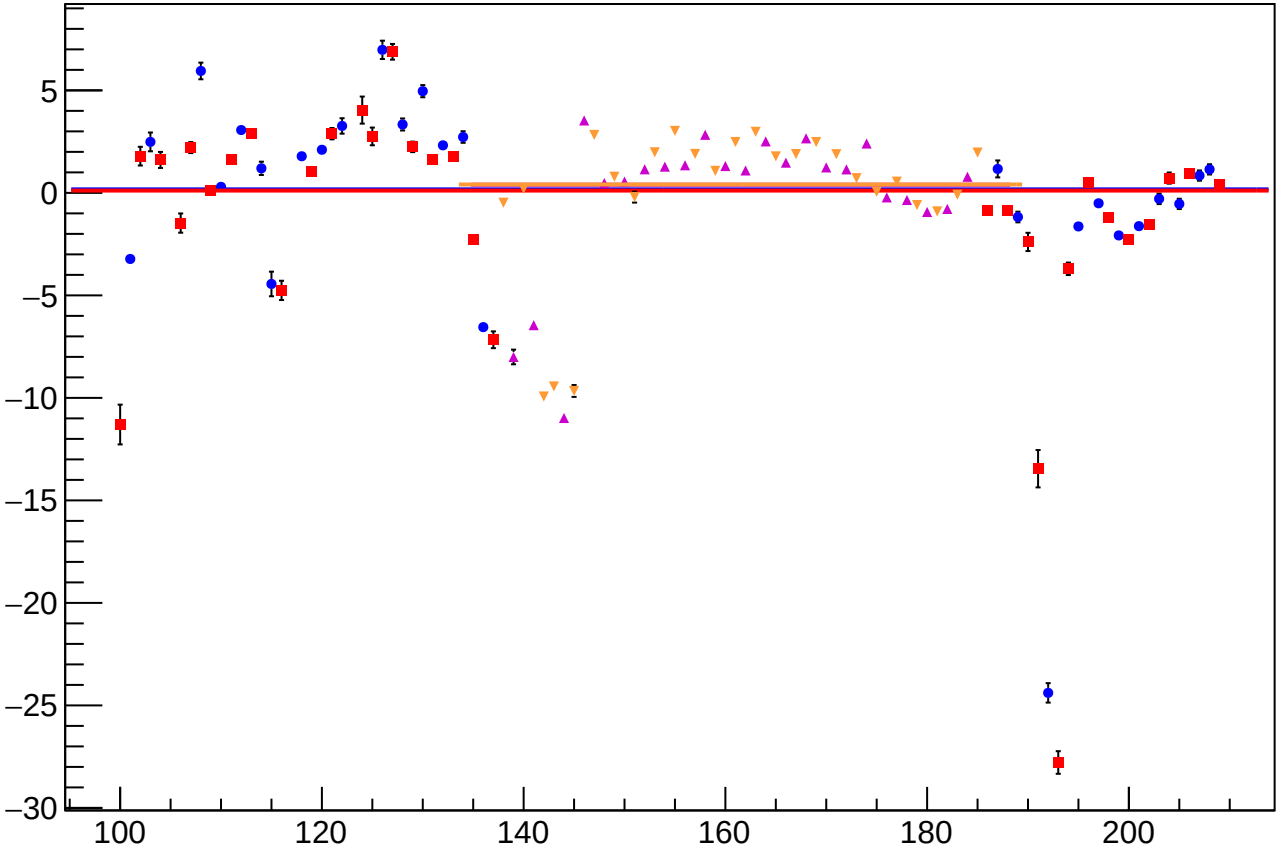
+ sign -0.019+/-0.001 χ^2/NDF: 42471.3/51

All: -0.013+/-0.001 χ^2/NDF: 85415.5/106

- sign -0.009+/-0.001 χ^2/NDF: 42915.9/54


reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: 0.766+/-0.040 χ²/NDF: 118257.3/26
Left Out: 2.329+/-0.041 χ²/NDF:174647.6/24
Right Out: 0.944+/-0.035 χ²/NDF: 119610.3/31
Left In: 0.887+/-0.041 χ²/NDF:130417.3/22
+ sign 1.522+/-0.029 χ²/NDF: 293651.6/51
All: 1.198+/-0.019 χ²/NDF: 543919.5/106
- sign 0.920+/-0.026 χ²/NDF: 250028.8/54

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.171+/-0.047 χ^2/NDF: 5810.9/26

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.112+/-0.044 χ^2/NDF: 5059.4/31

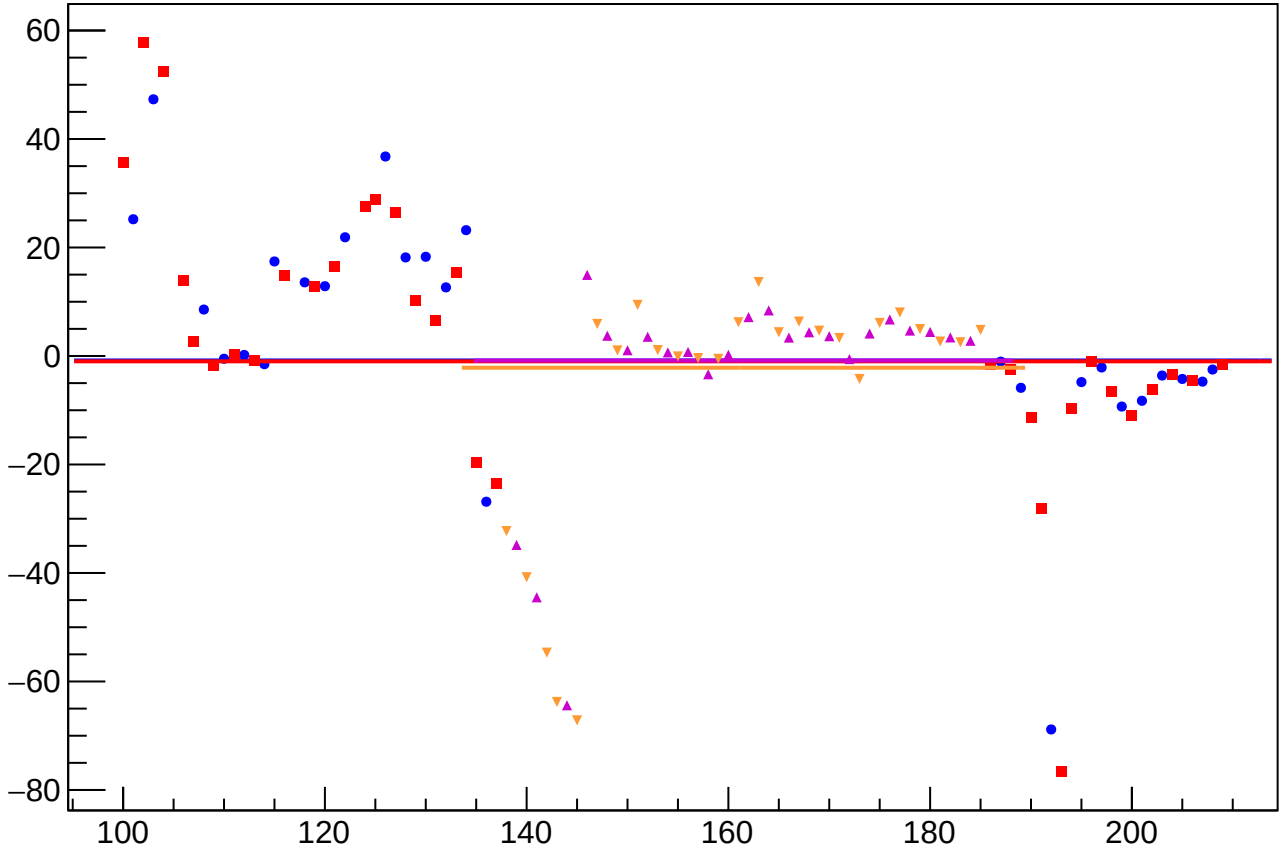
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.330+/-0.027 χ^2/NDF: 12875.7/51

All: 0.314+/-0.019 χ^2/NDF: 24894.6/106

- sign 0.299+/-0.026 χ^2/NDF: 12018.2/54

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.826+/-0.041 χ^2/NDF: 117063.2/26

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.983+/-0.037 χ^2/NDF: 117905.9/31

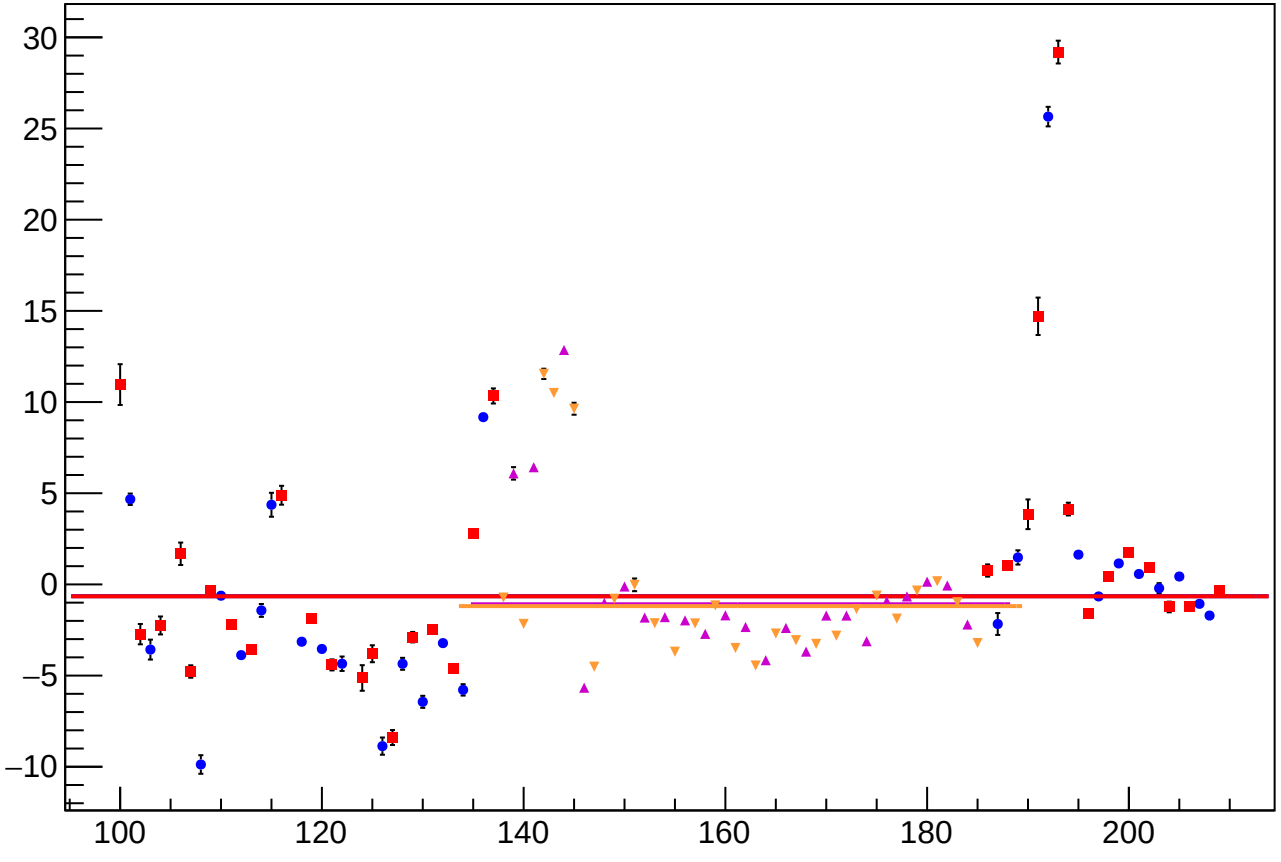
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.493+/-0.029 χ^2/NDF: 286585.2/51

All: -1.186+/-0.020 χ^2/NDF: 531842.6/106

- sign -0.919+/-0.027 χ^2/NDF: 245047.9/54

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.647+/-0.055 χ^2/NDF: 7289.9/26

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

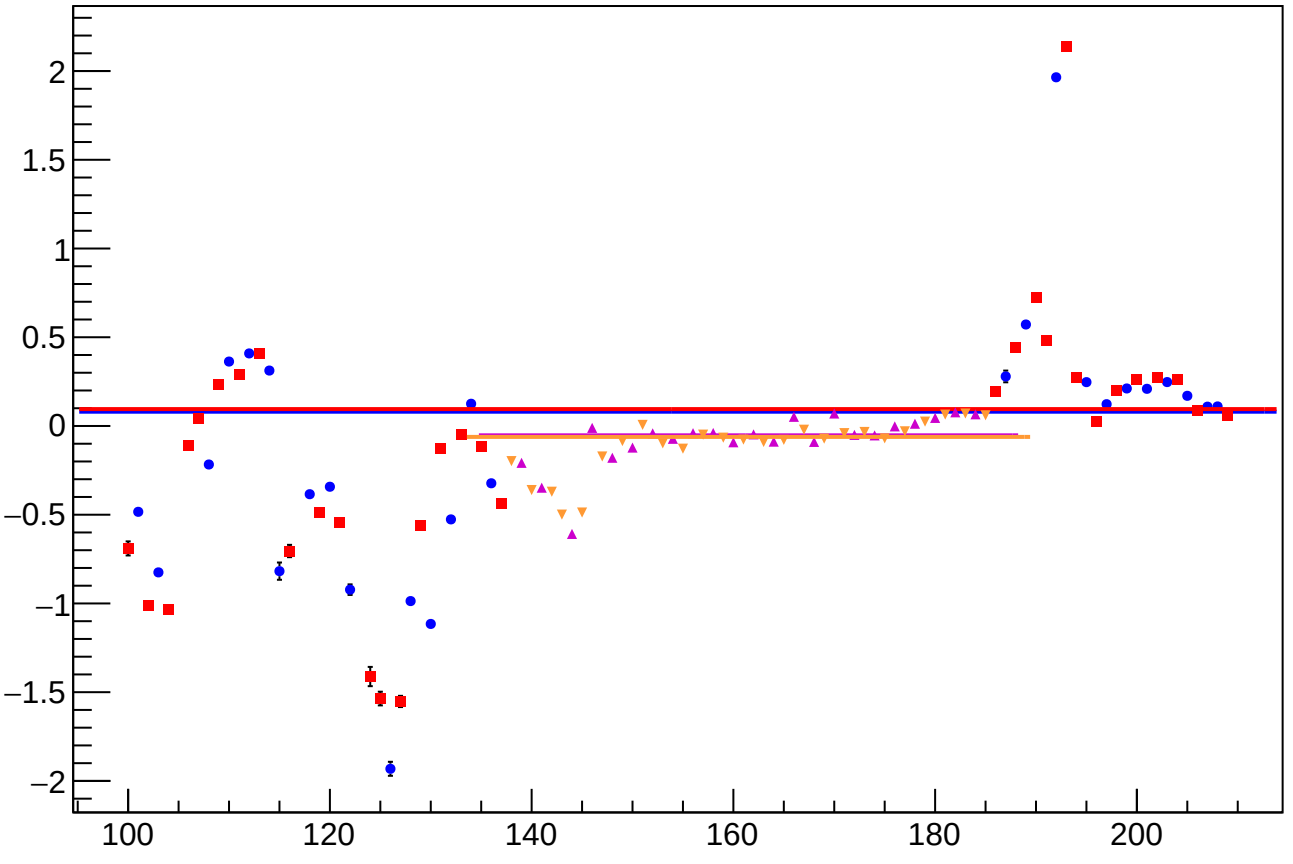
Right Out: -0.653+/-0.052 χ^2/NDF: 5586.2/31

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.019+/-0.031 χ^2/NDF: 14353.7/51

All: -0.982+/-0.021 χ^2/NDF: 26832.1/106

- sign -0.948+/-0.029 χ^2/NDF: 12475.6/54



Right In: 0.080+/-0.002 χ^2/NDF: 33541.3/26

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.095+/-0.002 χ^2/NDF: 34487.3/31

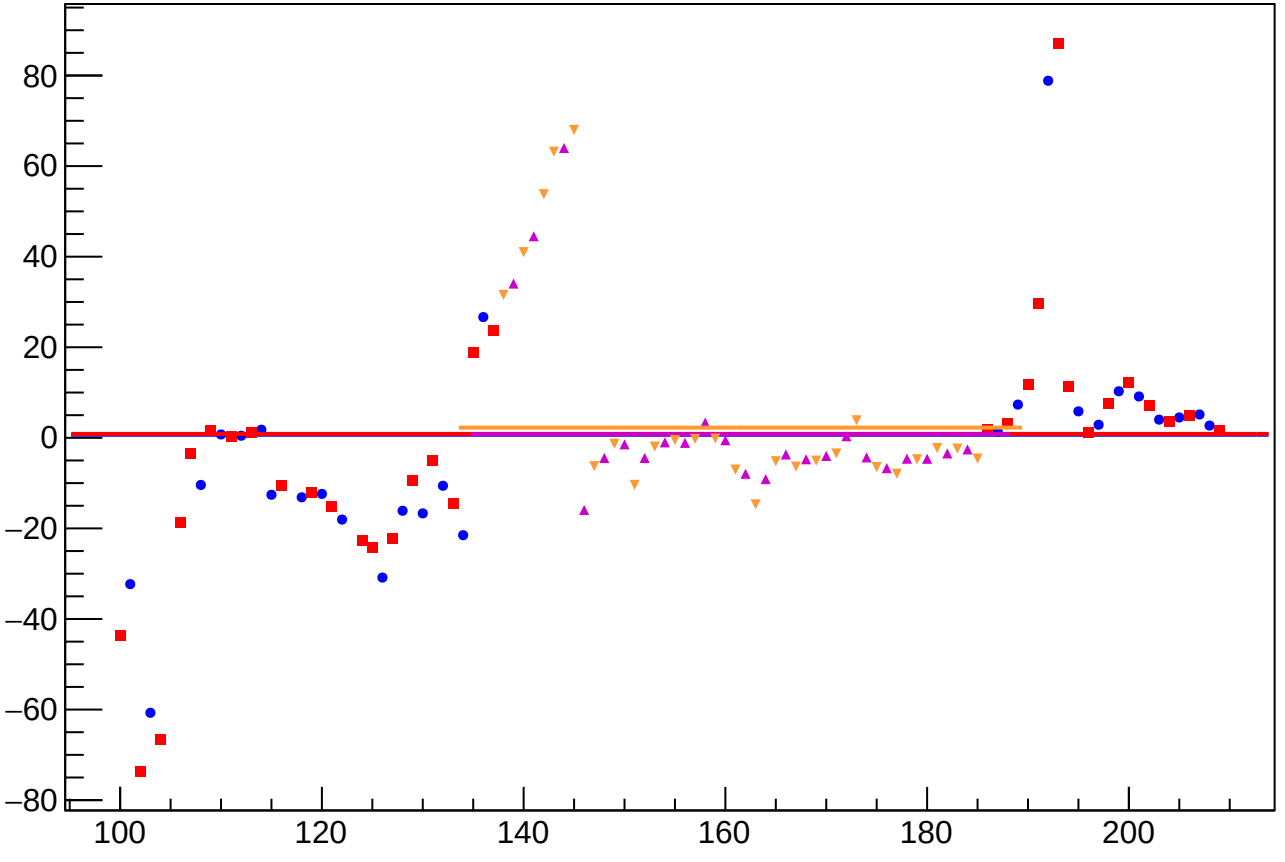
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.018+/-0.001 χ^2/NDF: 41496.1/51

All: -0.013+/-0.001 χ^2/NDF: 83856.8/106

- sign -0.008+/-0.001 χ^2/NDF: 42336.3/54

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.682+/-0.040 χ^2/NDF: 116550.1/26

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.866+/-0.036 χ^2/NDF: 117402.2/31

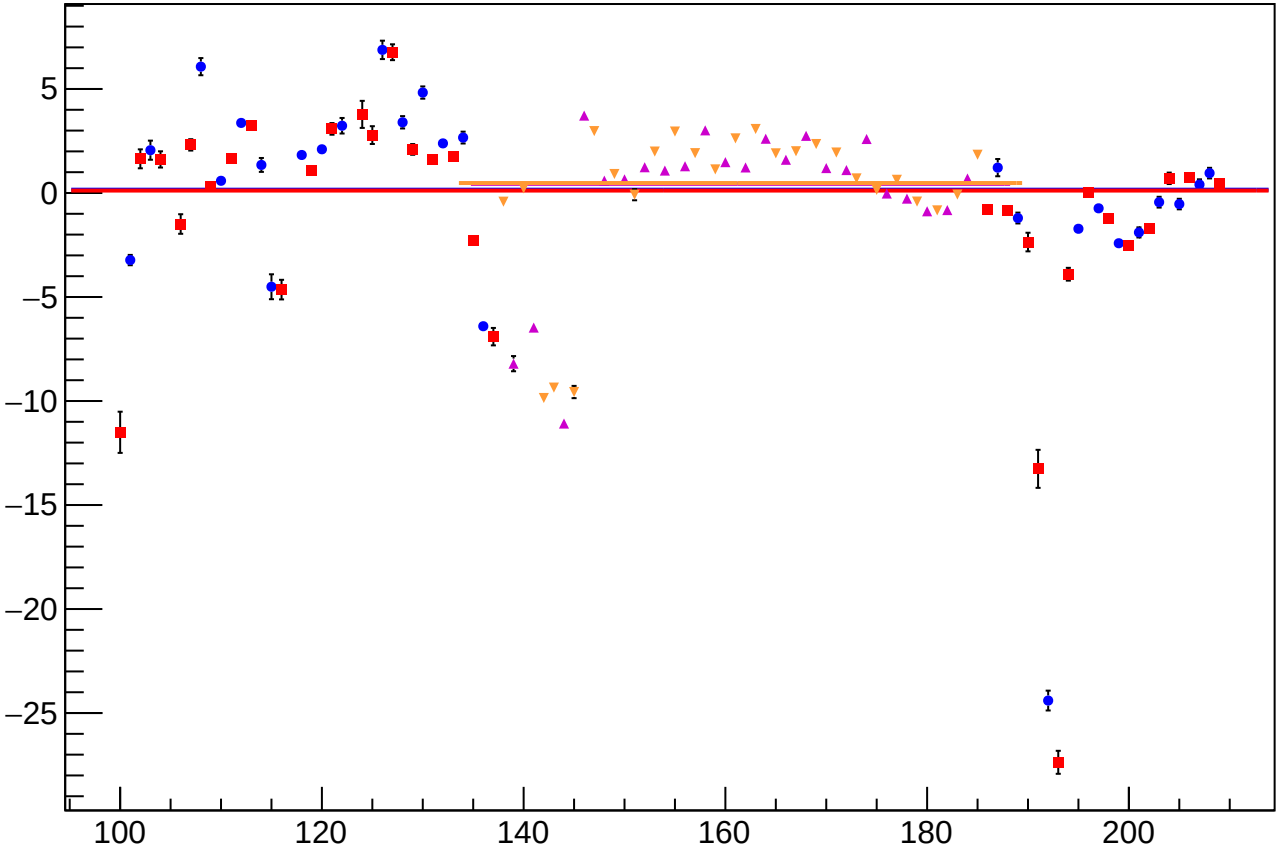
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.448+/-0.029 χ^2/NDF: 288958.4/51

All: 1.119+/-0.020 χ^2/NDF: 535431.0/106

- sign 0.835+/-0.027 χ^2/NDF: 246232.3/54

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.159+/-0.048 χ^2/NDF: 5789.4/26

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

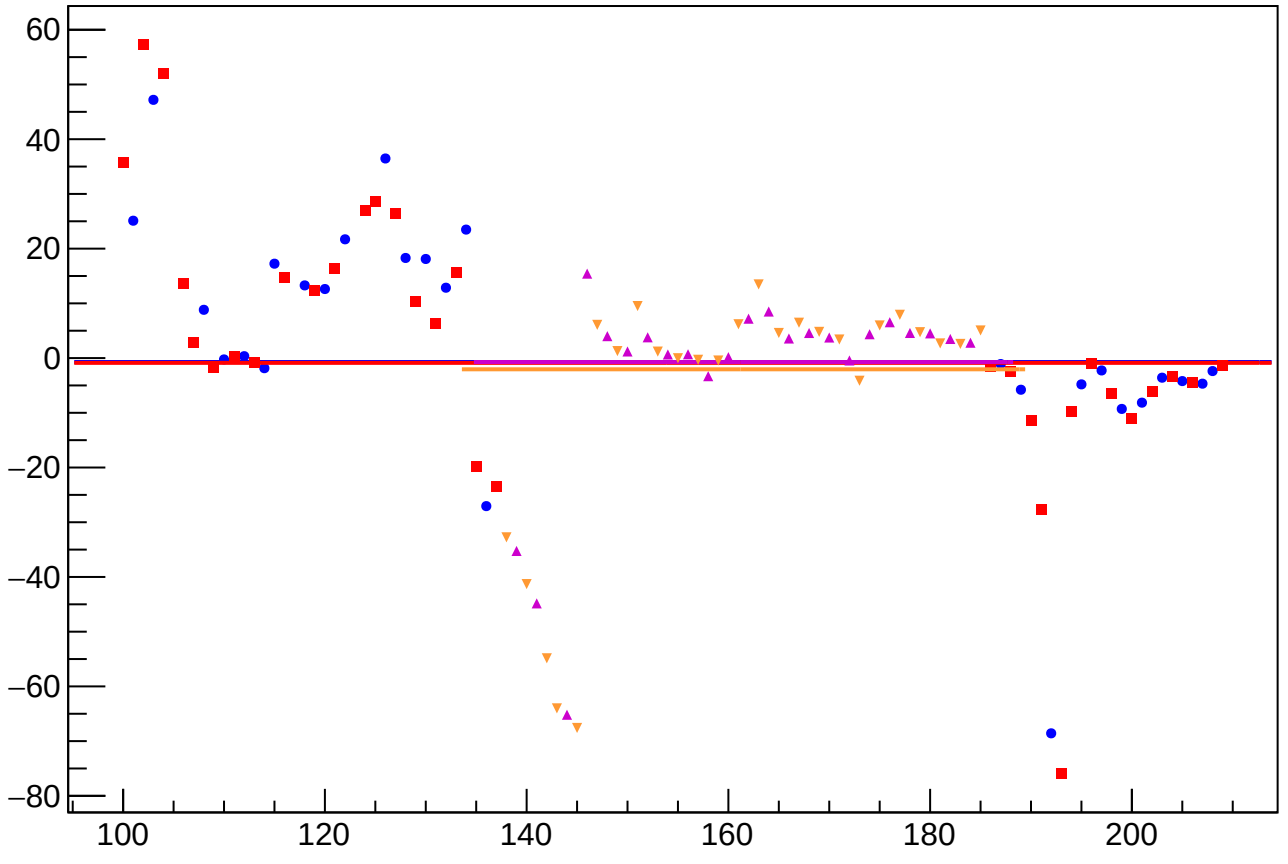
Right Out: 0.117+/-0.045 χ^2/NDF: 4975.0/31

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.372+/-0.028 χ^2/NDF: 12627.4/51

All: 0.350+/-0.019 χ^2/NDF: 24531.4/106

- sign 0.329+/-0.026 χ^2/NDF: 11902.7/54



Right In: -0.717+/-0.041 χ^2/NDF: 115332.8/26

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.871+/-0.037 χ^2/NDF: 115730.8/31

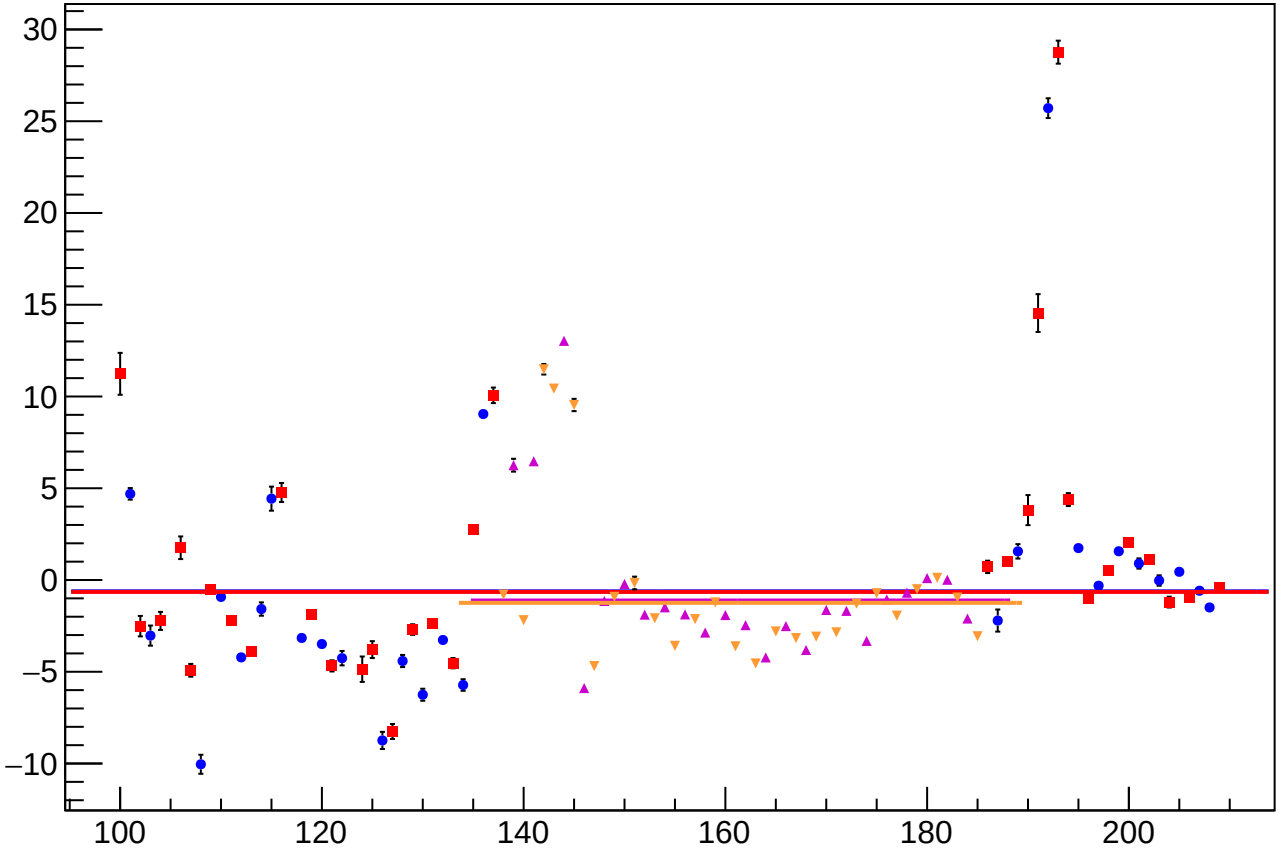
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.385+/-0.029 χ^2/NDF: 281859.7/51

All: -1.074+/-0.020 χ^2/NDF: 523339.8/106

- sign -0.802+/-0.027 χ^2/NDF: 241269.6/54

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.618+/-0.055 χ^2/NDF: 7179.7/26

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.648+/-0.052 χ^2/NDF: 5456.7/31

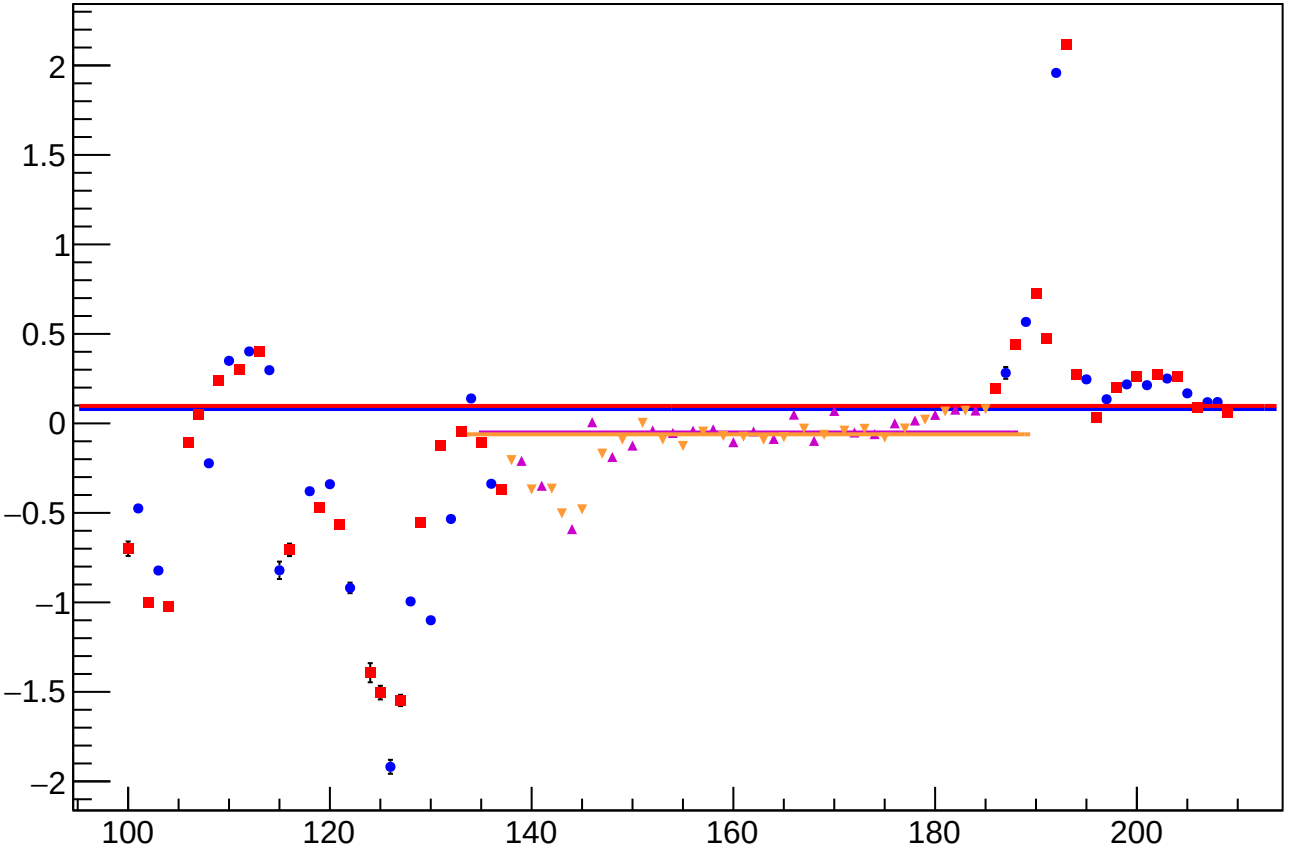
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.048+/-0.031 χ^2/NDF: 14036.7/51

All: -1.005+/-0.021 χ^2/NDF: 26392.0/106

- sign -0.966+/-0.030 χ^2/NDF: 12351.6/54

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.080+/-0.002 χ^2/NDF: 33209.8/26

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

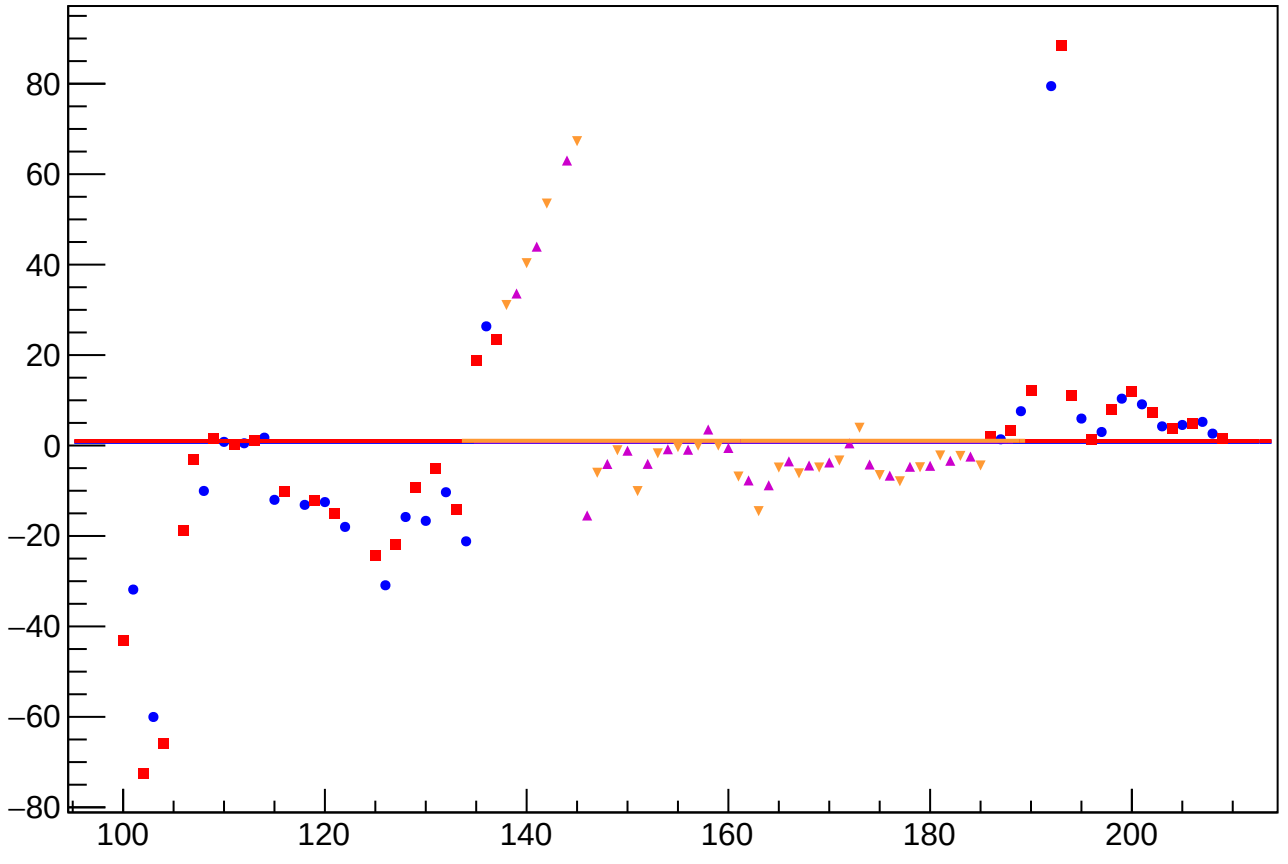
Right Out: 0.098+/-0.002 χ^2/NDF: 33560.7/31

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.017+/-0.001 χ^2/NDF: 40997.9/51

All: -0.012+/-0.001 χ^2/NDF: 82222.2/106

- sign -0.007+/-0.001 χ^2/NDF: 41191.0/54



Right In: 0.798+/-0.039 χ^2/NDF: 120320.3/26

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

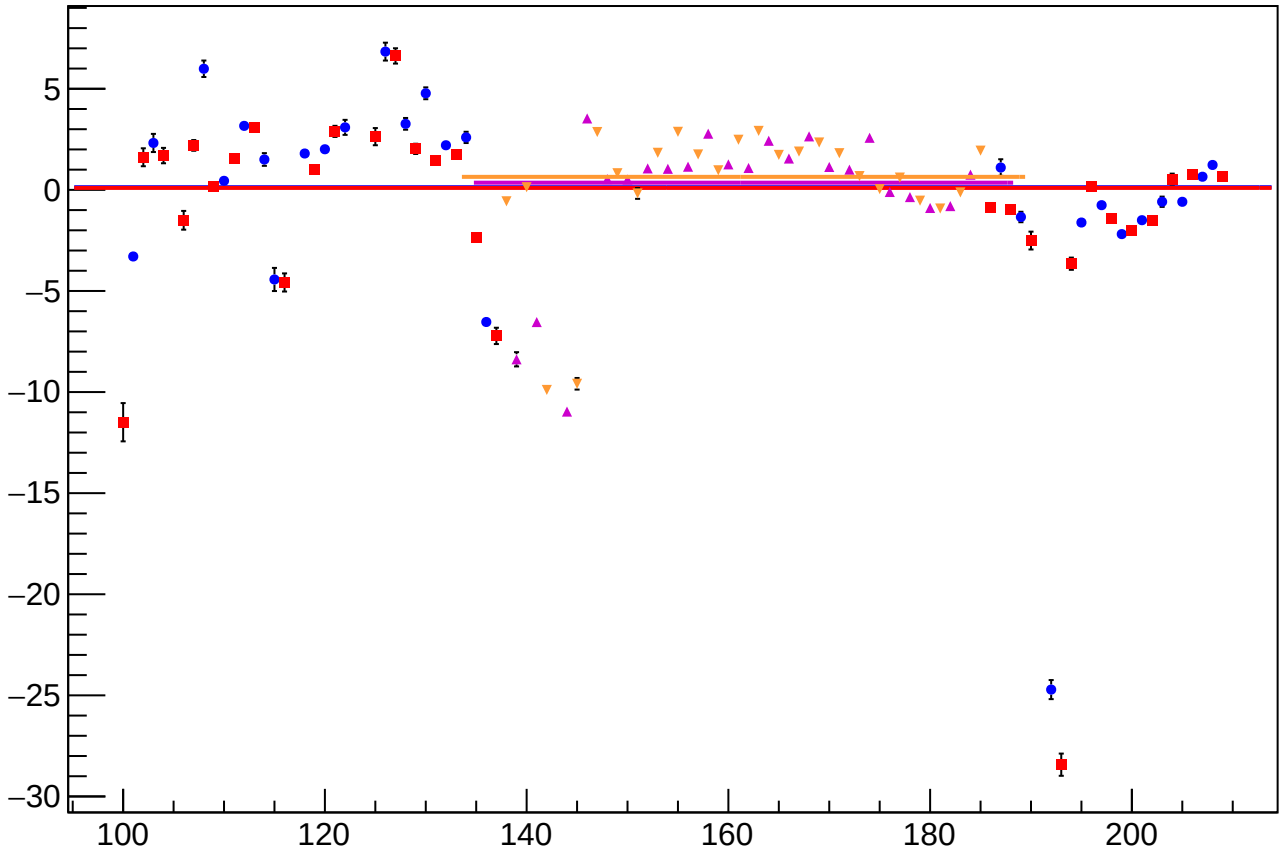
Right Out: 0.999+/-0.034 χ^2/NDF: 118530.2/29

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.921+/-0.028 χ^2/NDF: 251371.8/50

All: 0.943+/-0.019 χ^2/NDF: 502713.4/103

- sign 0.962+/-0.026 χ^2/NDF: 251340.4/52



Right In: 0.132+/-0.046 χ^2/NDF: 5989.5/26

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

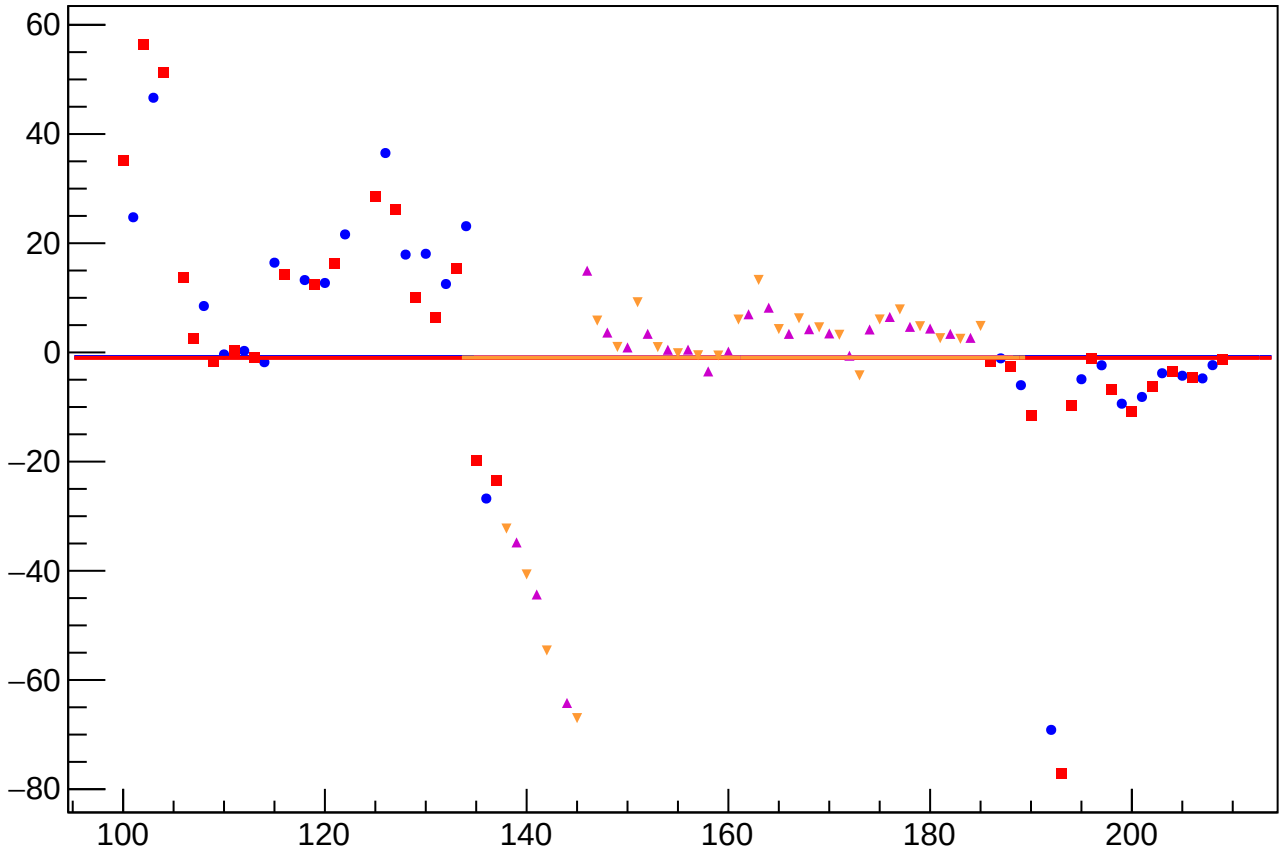
Right Out: 0.098+/-0.044 χ^2/NDF: 4998.2/29

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.470+/-0.027 χ^2/NDF: 10781.1/50

All: 0.363+/-0.019 χ^2/NDF: 22948.9/103

- sign 0.268+/-0.025 χ^2/NDF: 12138.1/52



Right In: -0.842+/-0.040 χ^2/NDF: 119079.3/26

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

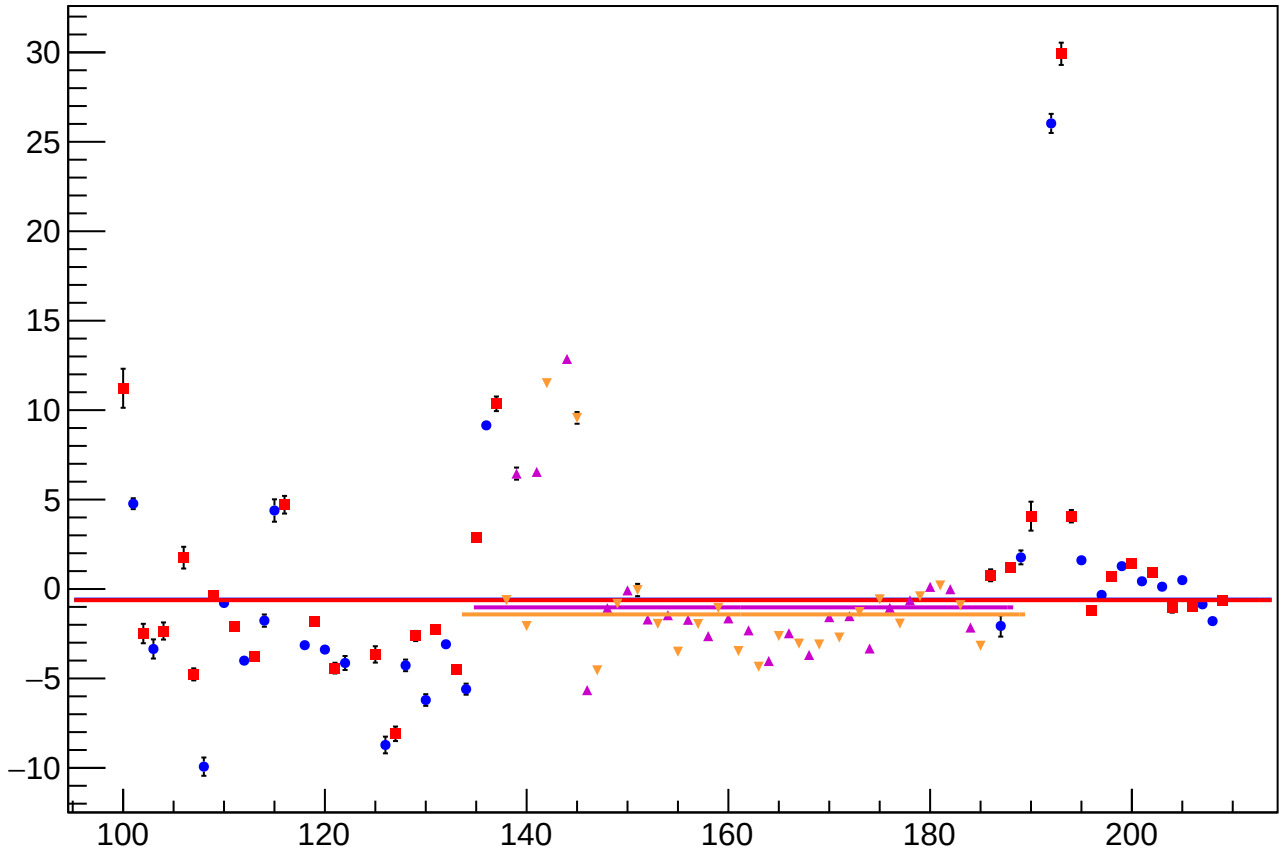
Right Out: -1.005+/-0.036 χ^2/NDF: 116922.6/29

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -0.885+/-0.029 χ^2/NDF: 245460.3/50

All: -0.914+/-0.019 χ^2/NDF: 491877.1/103

- sign -0.939+/-0.027 χ^2/NDF: 246414.9/52



Right In: -0.592+/-0.054 χ^2/NDF: 7472.7/26

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

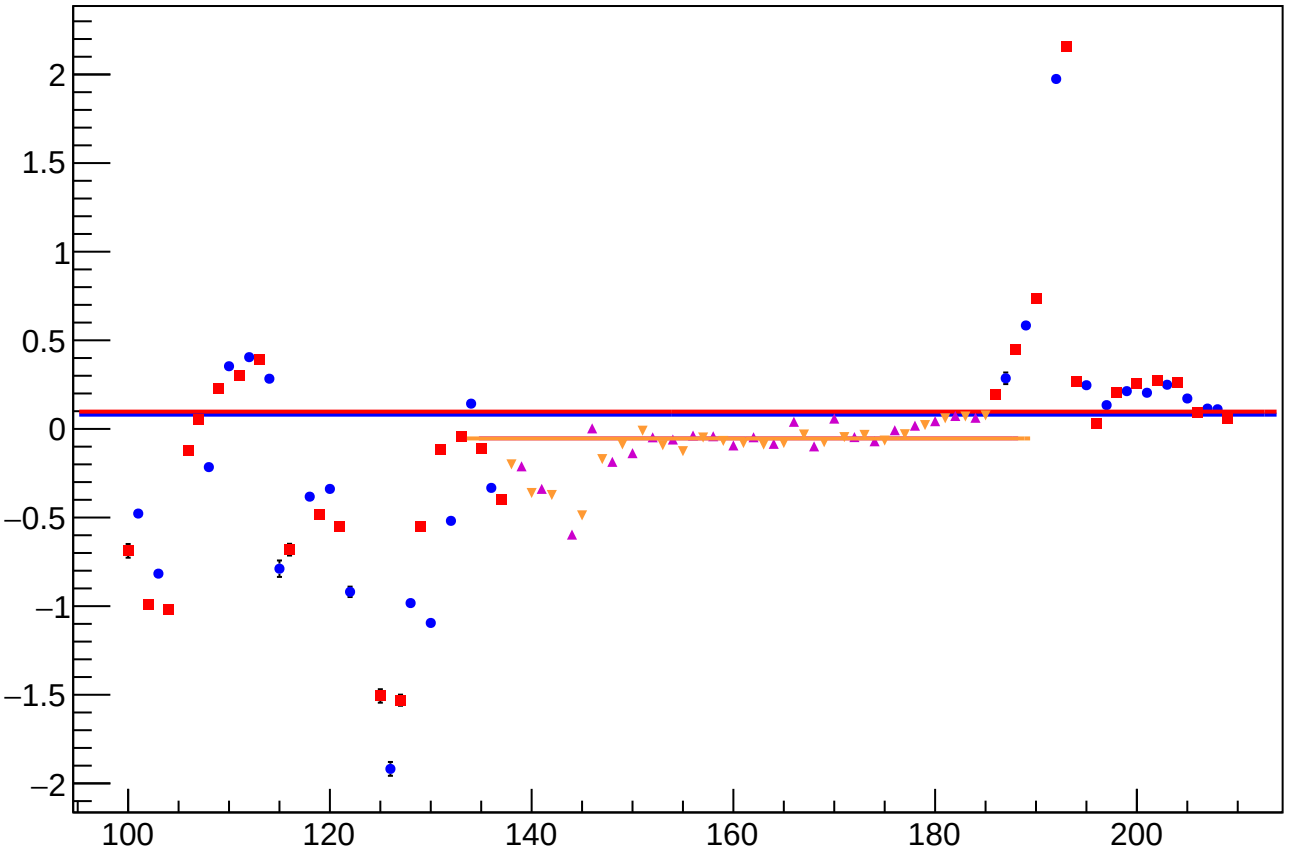
Right Out: -0.624+/-0.051 χ^2/NDF: 5505.4/29

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.157+/-0.030 χ^2/NDF: 12276.9/50

All: -1.021+/-0.021 χ^2/NDF: 24910.7/103

- sign -0.898+/-0.029 χ^2/NDF: 12595.1/52



Right In: 0.080+/-0.002 χ^2/NDF: 34331.8/26

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

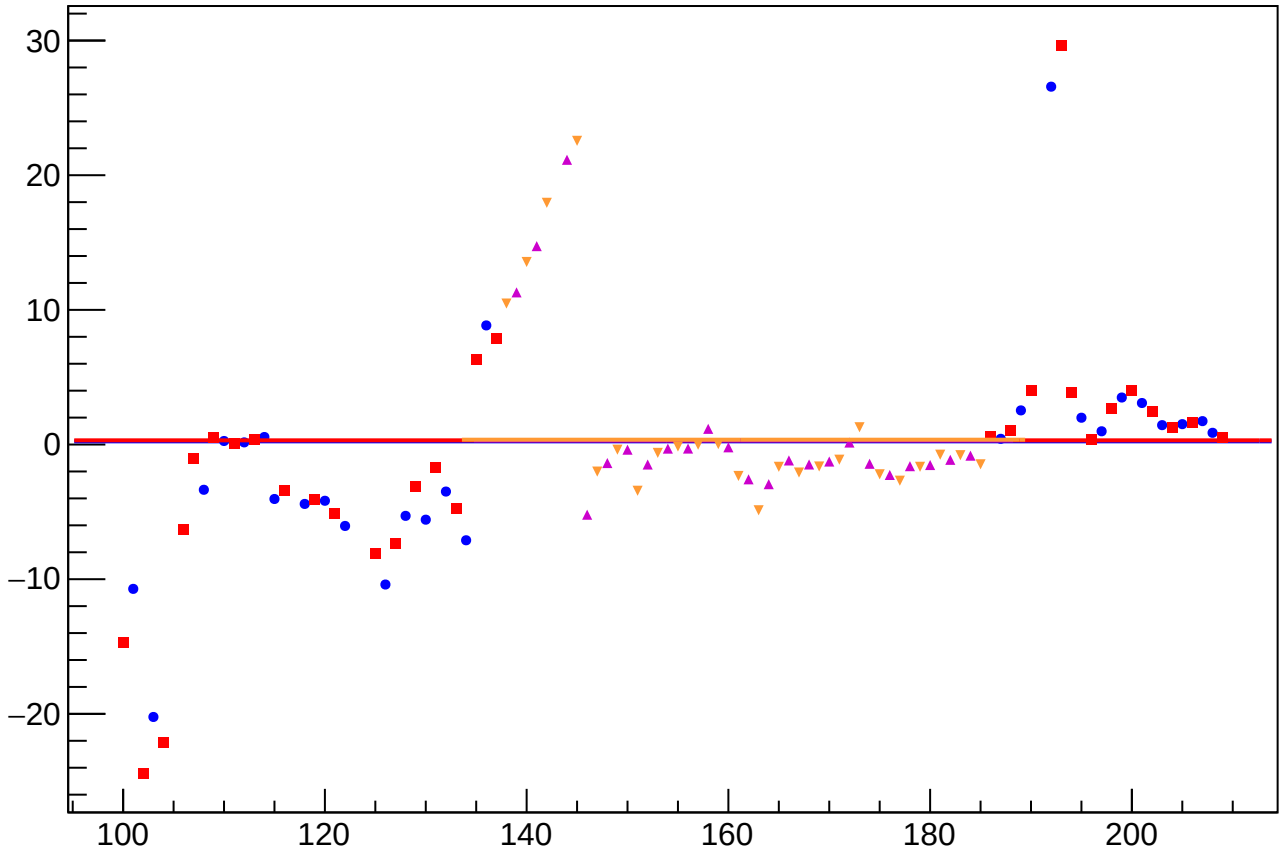
Right Out: 0.098+/-0.002 χ^2/NDF: 34015.7/29

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.012+/-0.001 χ^2/NDF: 40866.9/50

All: -0.010+/-0.001 χ^2/NDF: 82902.3/103

- sign -0.009+/-0.001 χ^2/NDF: 42032.4/52



Right In: 0.237+/-0.013 χ^2/NDF: 118238.7/26

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

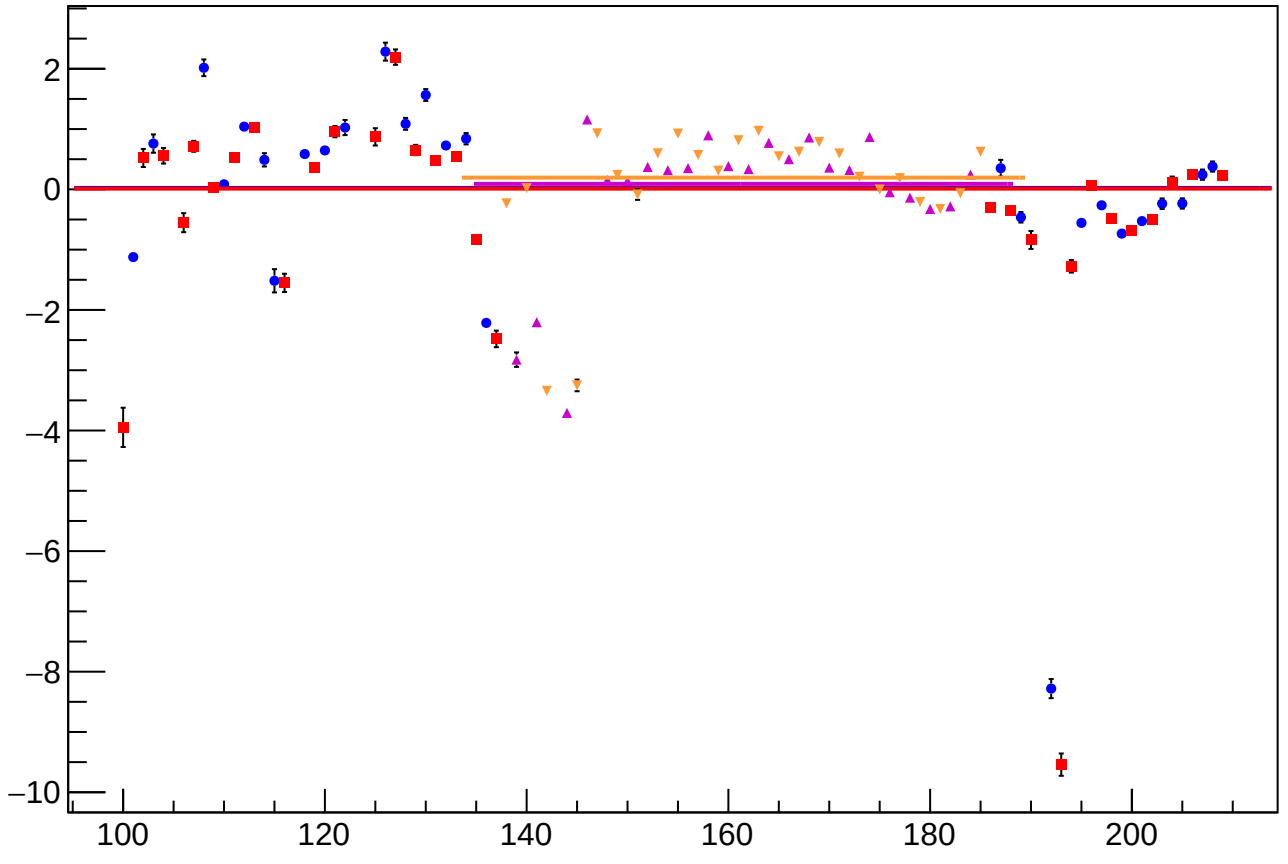
Right Out: 0.312+/-0.012 χ^2/NDF: 116695.3/29

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.296+/-0.010 χ^2/NDF: 247108.4/50

All: 0.306+/-0.007 χ^2/NDF: 494030.0/103

- sign 0.314+/-0.009 χ^2/NDF: 246919.6/52



Right In: 0.023+/-0.016 χ^2/NDF: 5861.9/26

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

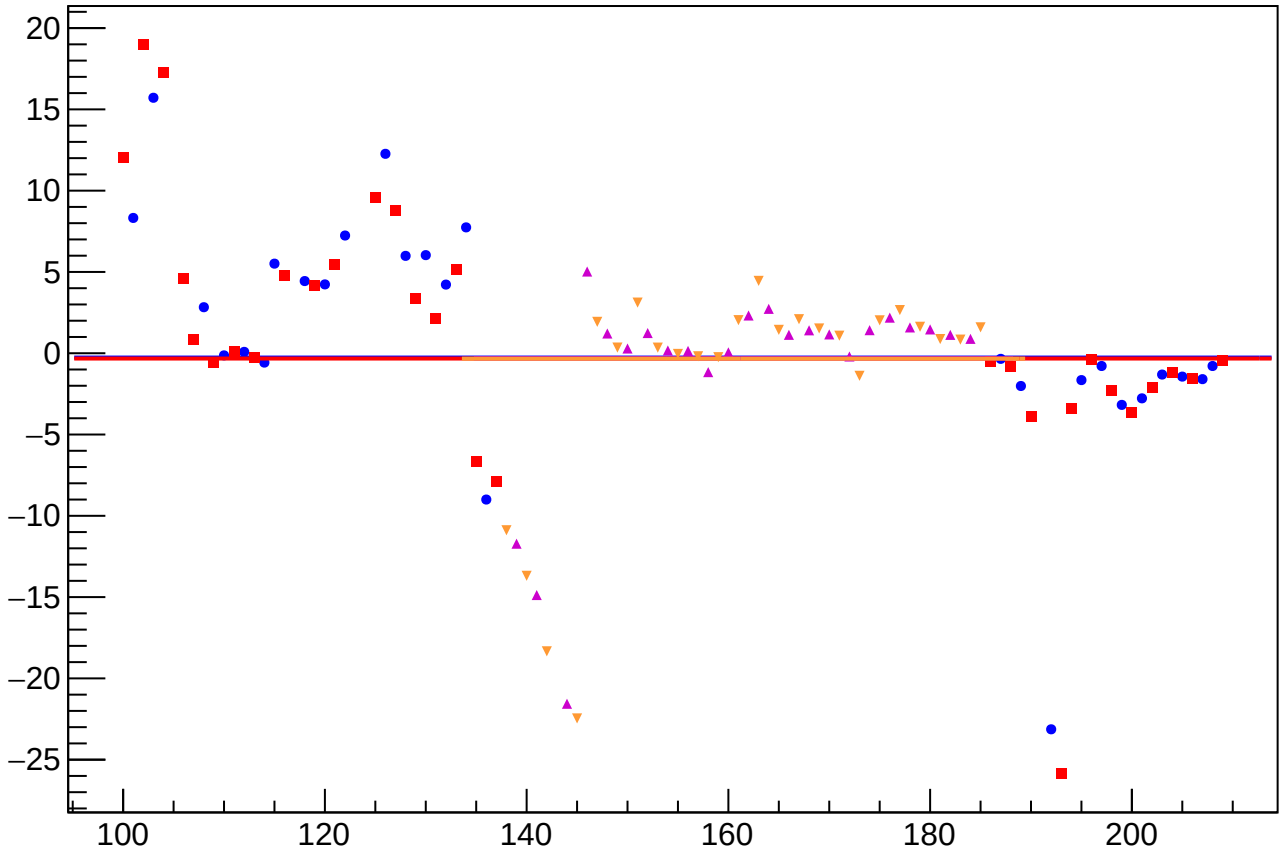
Right Out: 0.012+/-0.015 χ^2/NDF: 4905.0/29

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.137+/-0.009 χ^2/NDF: 10583.6/50

All: 0.099+/-0.006 χ^2/NDF: 22475.8/103

- sign 0.064+/-0.009 χ^2/NDF: 11859.8/52



Right In: -0.265+/-0.014 χ^2/NDF: 117038.9/26

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

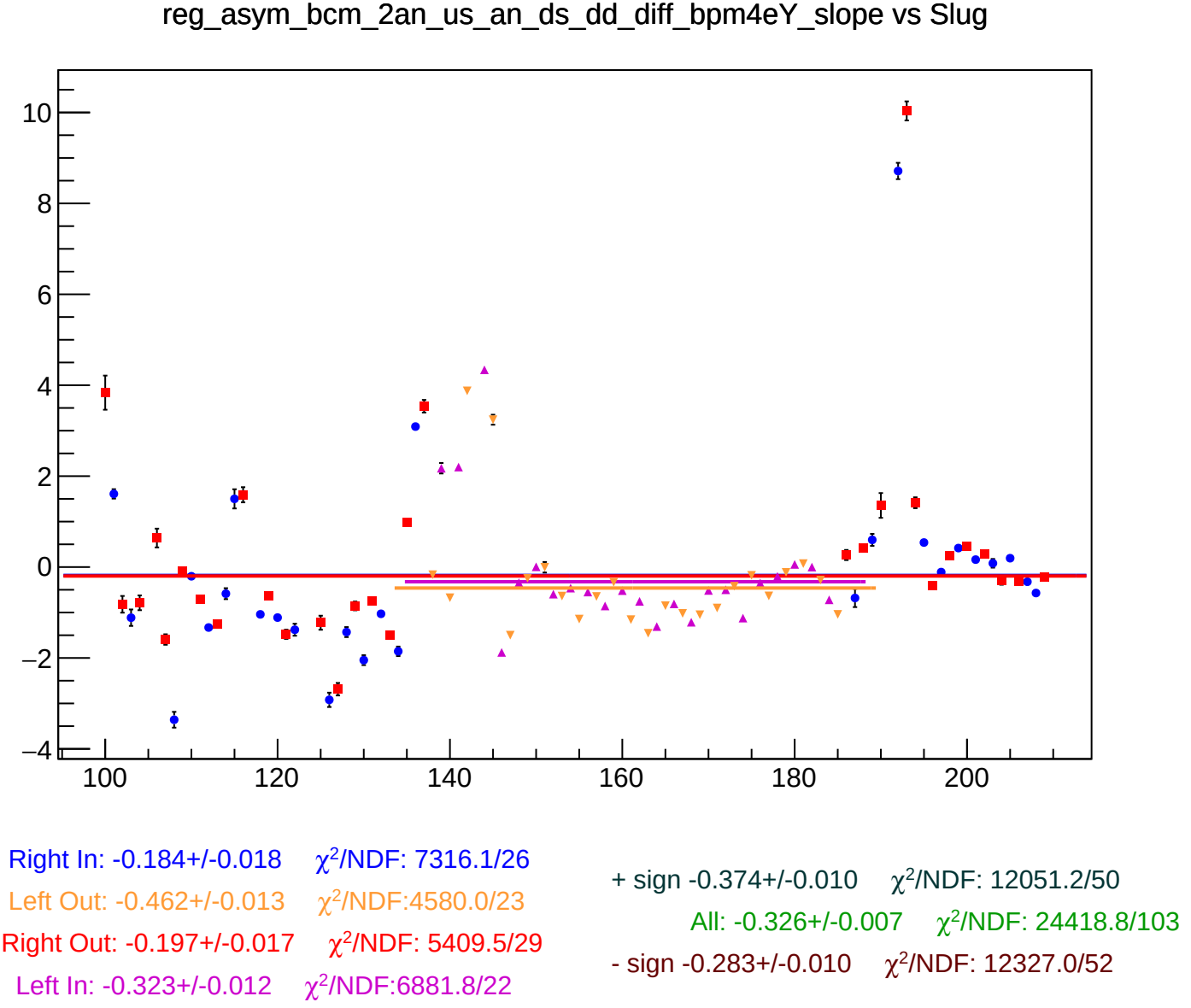
Right Out: -0.327+/-0.012 χ^2/NDF: 115141.6/29

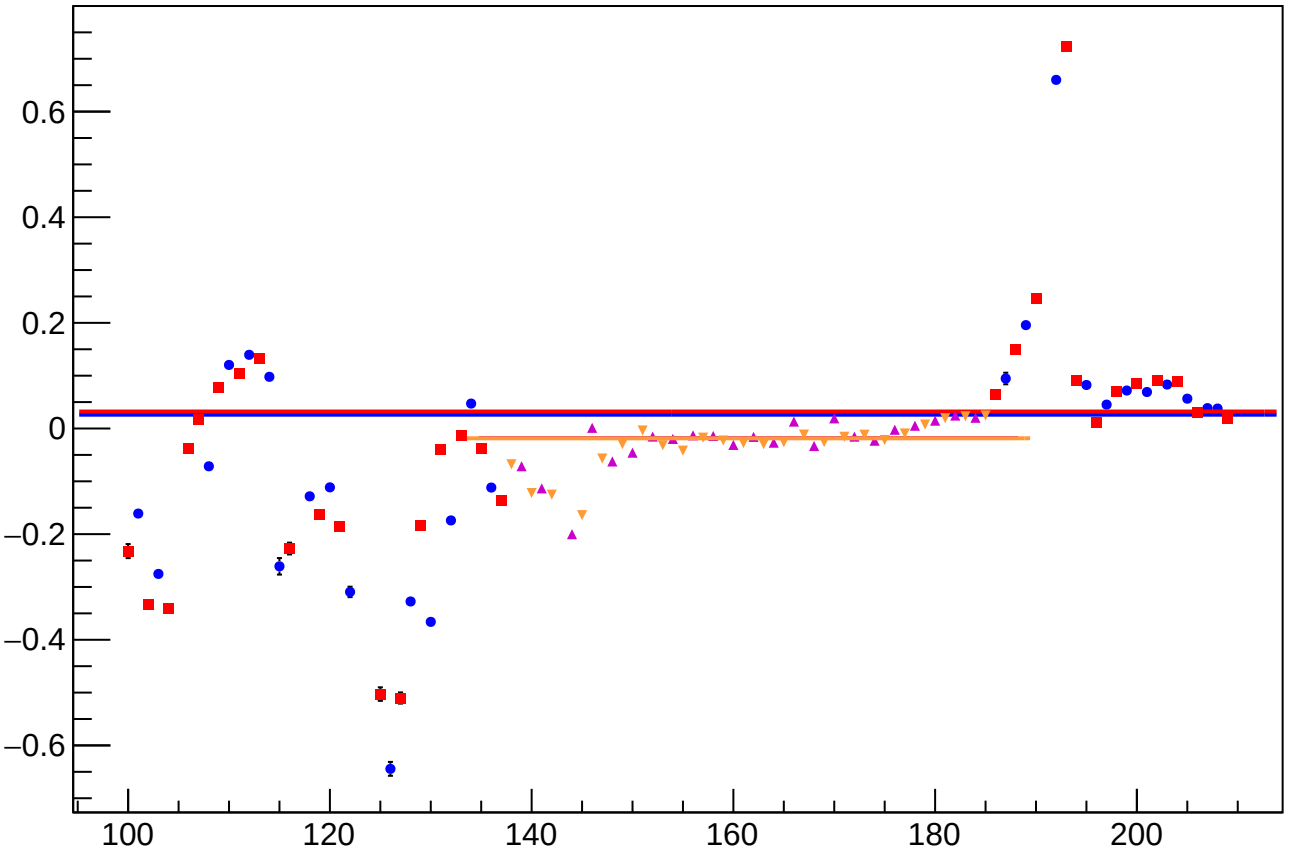
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.299+/-0.010 χ^2/NDF: 241284.1/50

All: -0.311+/-0.007 χ^2/NDF: 483428.2/103

- sign -0.321+/-0.009 χ^2/NDF: 242141.4/52


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.184+/-0.018 χ²/NDF: 7316.1/26
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.197+/-0.017 χ²/NDF: 5409.5/29
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
+ sign -0.374+/-0.010 χ²/NDF: 12051.2/50
All: -0.326+/-0.007 χ²/NDF: 24418.8/103
- sign -0.283+/-0.010 χ²/NDF: 12327.0/52



Right In: 0.026+/-0.001 χ^2/NDF: 33747.0/26

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

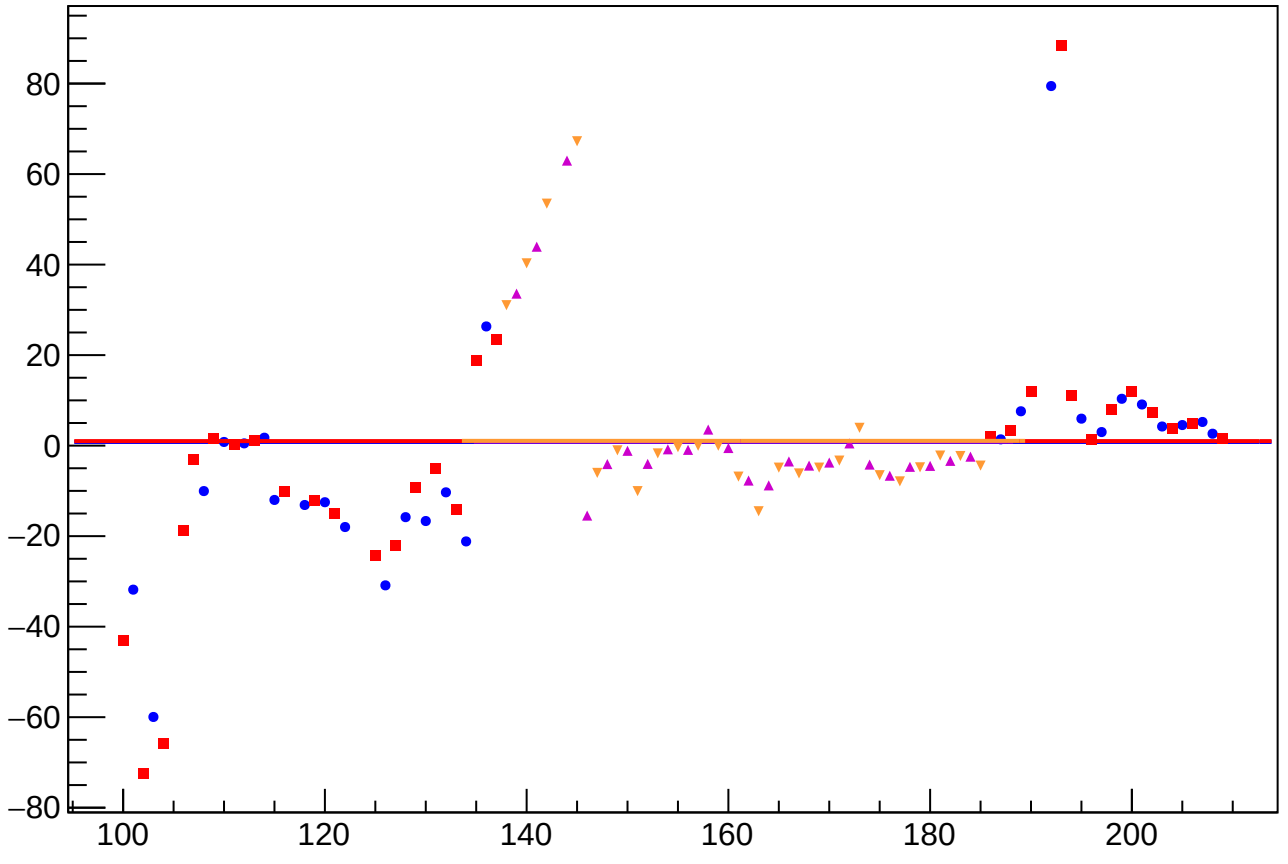
Right Out: 0.032+/-0.001 χ^2/NDF: 33396.7/29

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

\+ sign -0.005+/-0.000 χ^2/NDF: 40045.5/50

All: -0.004+/-0.000 χ^2/NDF: 81148.0/103

\- sign -0.003+/-0.000 χ^2/NDF: 41097.0/52



Right In: 0.804+/-0.039 χ^2/NDF: 120341.5/26

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

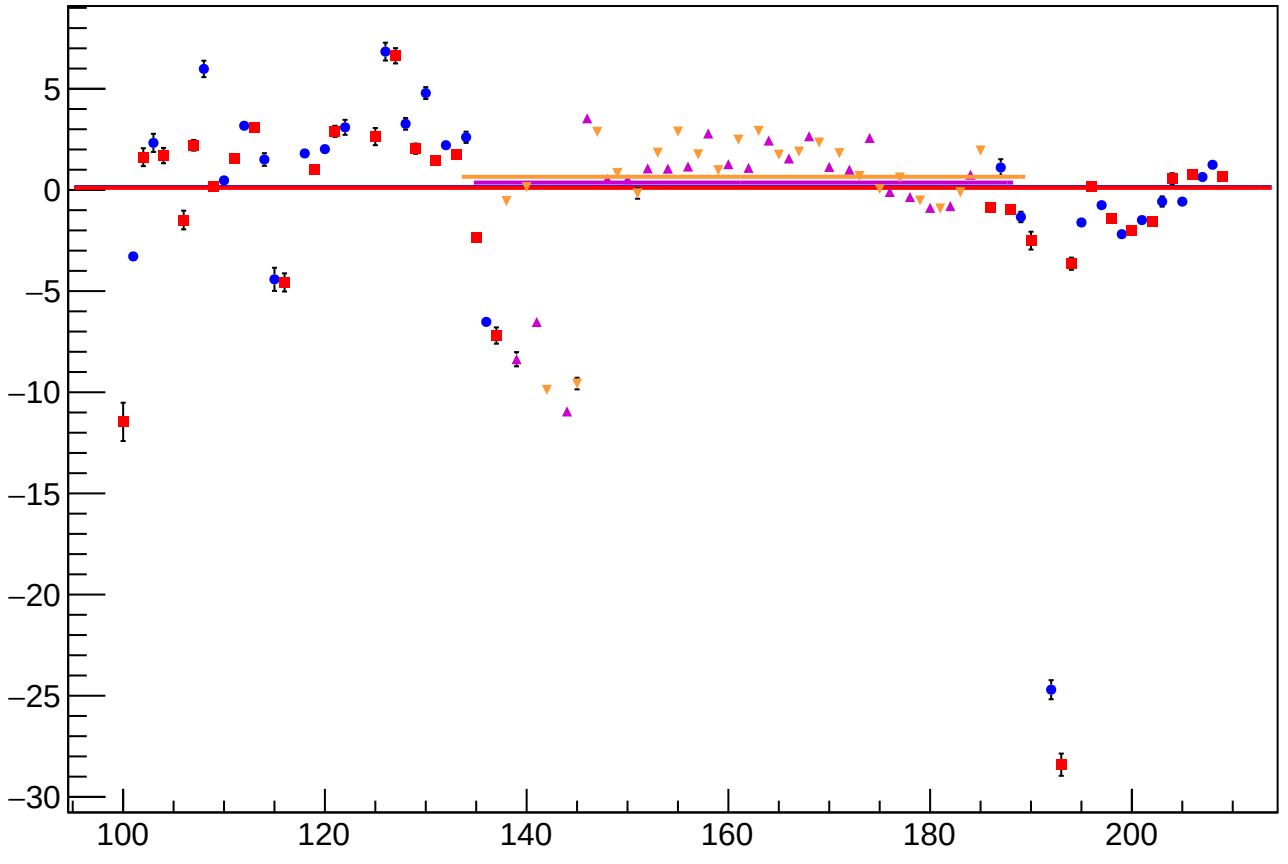
Right Out: 1.003+/-0.034 χ^2/NDF: 118548.2/29

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.926+/-0.028 χ^2/NDF: 251372.3/50

All: 0.948+/-0.019 χ^2/NDF: 502740.5/103

- sign 0.966+/-0.026 χ^2/NDF: 251367.1/52



Right In: 0.139+/-0.046 χ^2/NDF: 5993.2/26

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

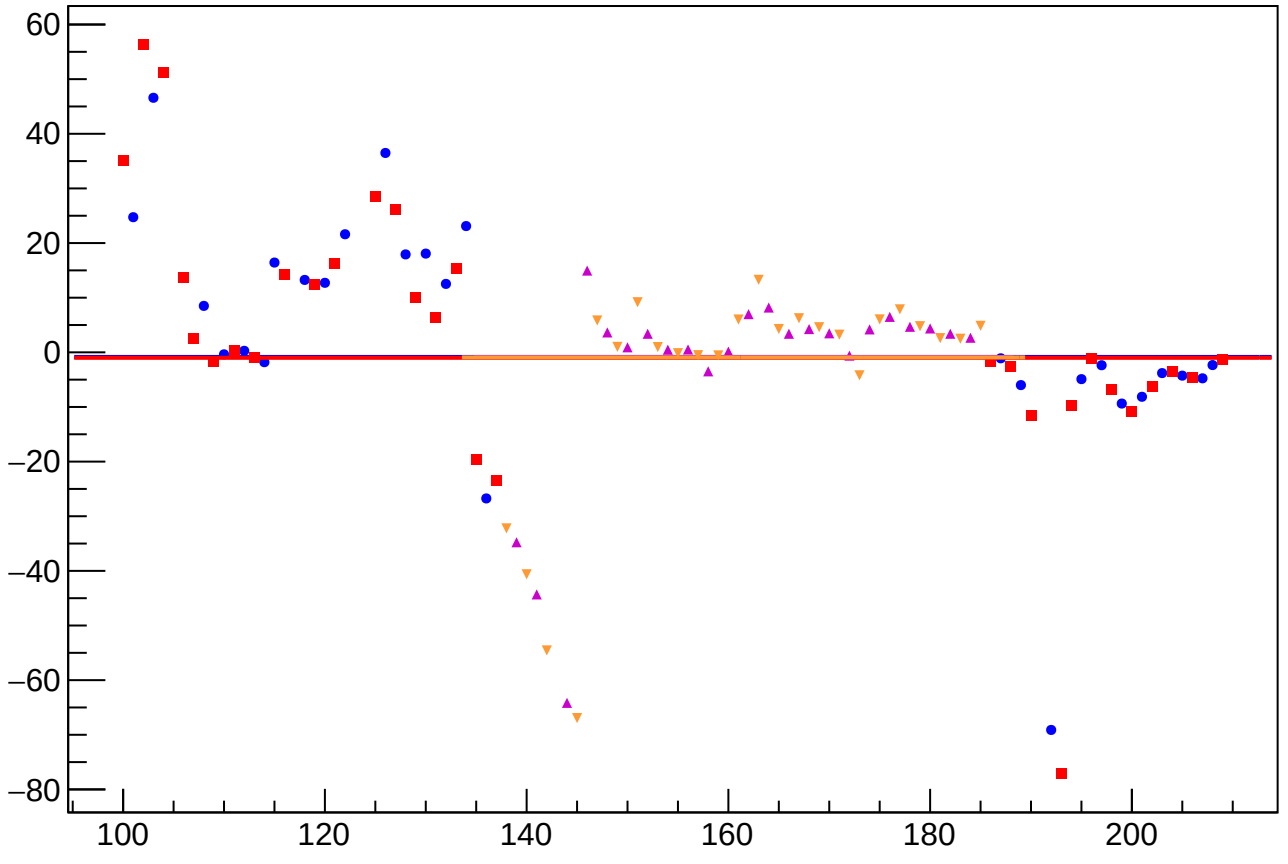
Right Out: 0.104+/-0.044 χ^2/NDF: 4999.7/29

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.478+/-0.027 χ^2/NDF: 10782.7/50

All: 0.371+/-0.019 χ^2/NDF: 22957.8/103

- sign 0.276+/-0.025 χ^2/NDF: 12145.5/52



Right In: -0.843+/-0.040 χ^2/NDF: 119098.0/26

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

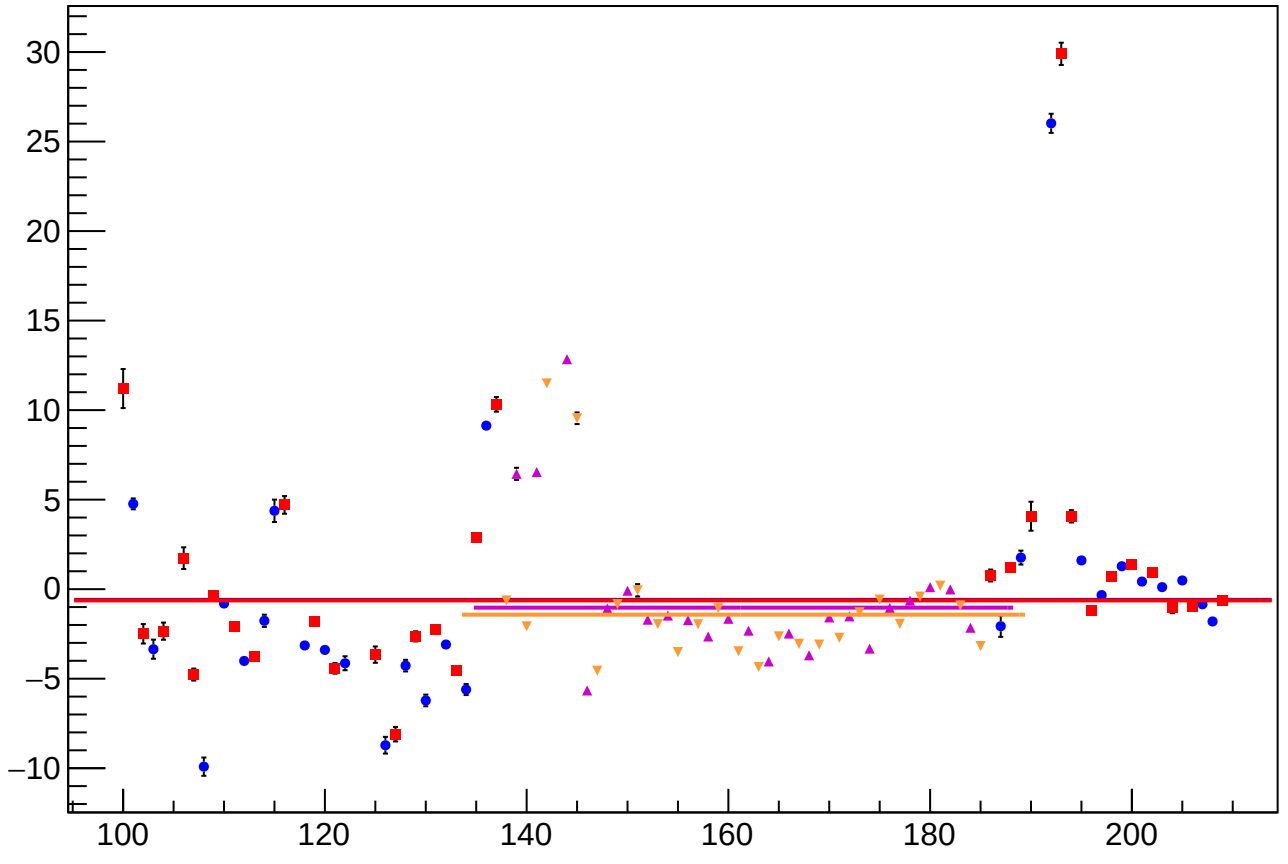
Right Out: -1.004+/-0.036 χ^2/NDF: 116936.3/29

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.885+/-0.029 χ^2/NDF: 245460.2/50

All: -0.913+/-0.019 χ^2/NDF: 491896.7/103

- sign -0.937+/-0.027 χ^2/NDF: 246434.7/52



Right In: -0.598+/-0.054 χ^2/NDF: 7475.7/26

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

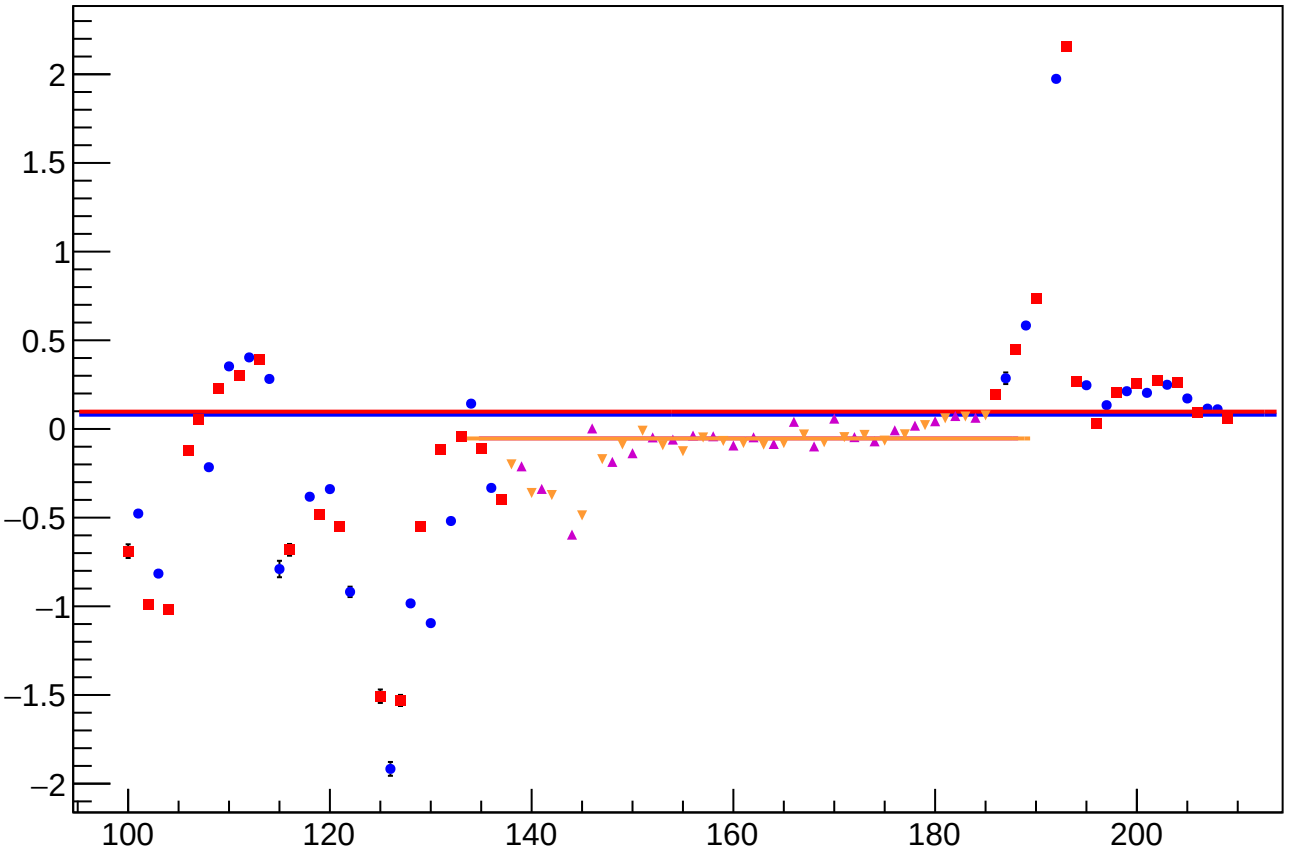
Right Out: -0.628+/-0.051 χ^2/NDF: 5505.5/29

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.162+/-0.030 χ^2/NDF: 12277.5/50

All: -1.026+/-0.021 χ^2/NDF: 24916.2/103

- sign -0.903+/-0.029 χ^2/NDF: 12600.1/52



Right In: 0.080+/-0.002 χ^2/NDF: 34340.7/26

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

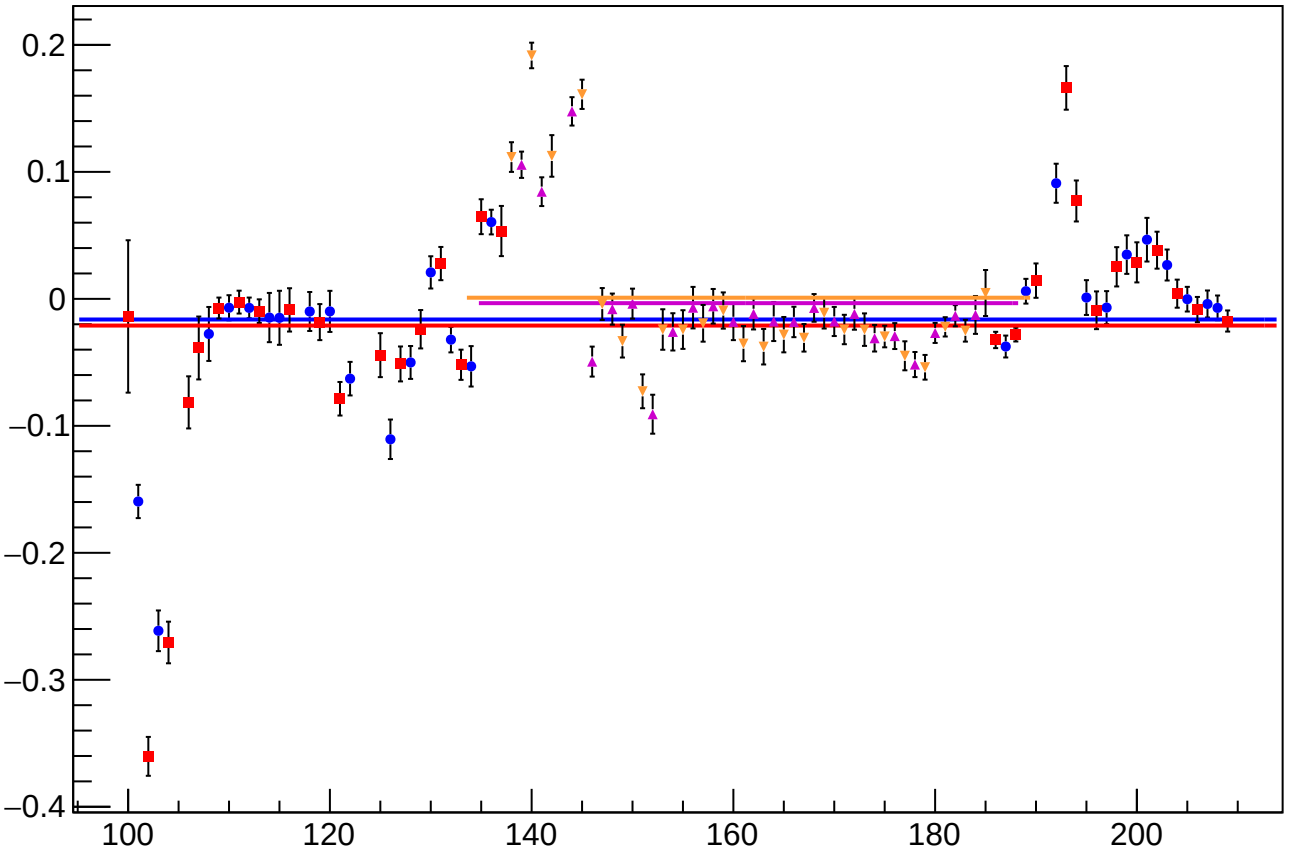
Right Out: 0.098+/-0.002 χ^2/NDF: 34029.4/29

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.012+/-0.001 χ^2/NDF: 40877.5/50

All: -0.010+/-0.001 χ^2/NDF: 82936.0/103

- sign -0.009+/-0.001 χ^2/NDF: 42055.6/52



Right In: -0.016+/-0.002 χ^2/NDF: 595.6/26

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

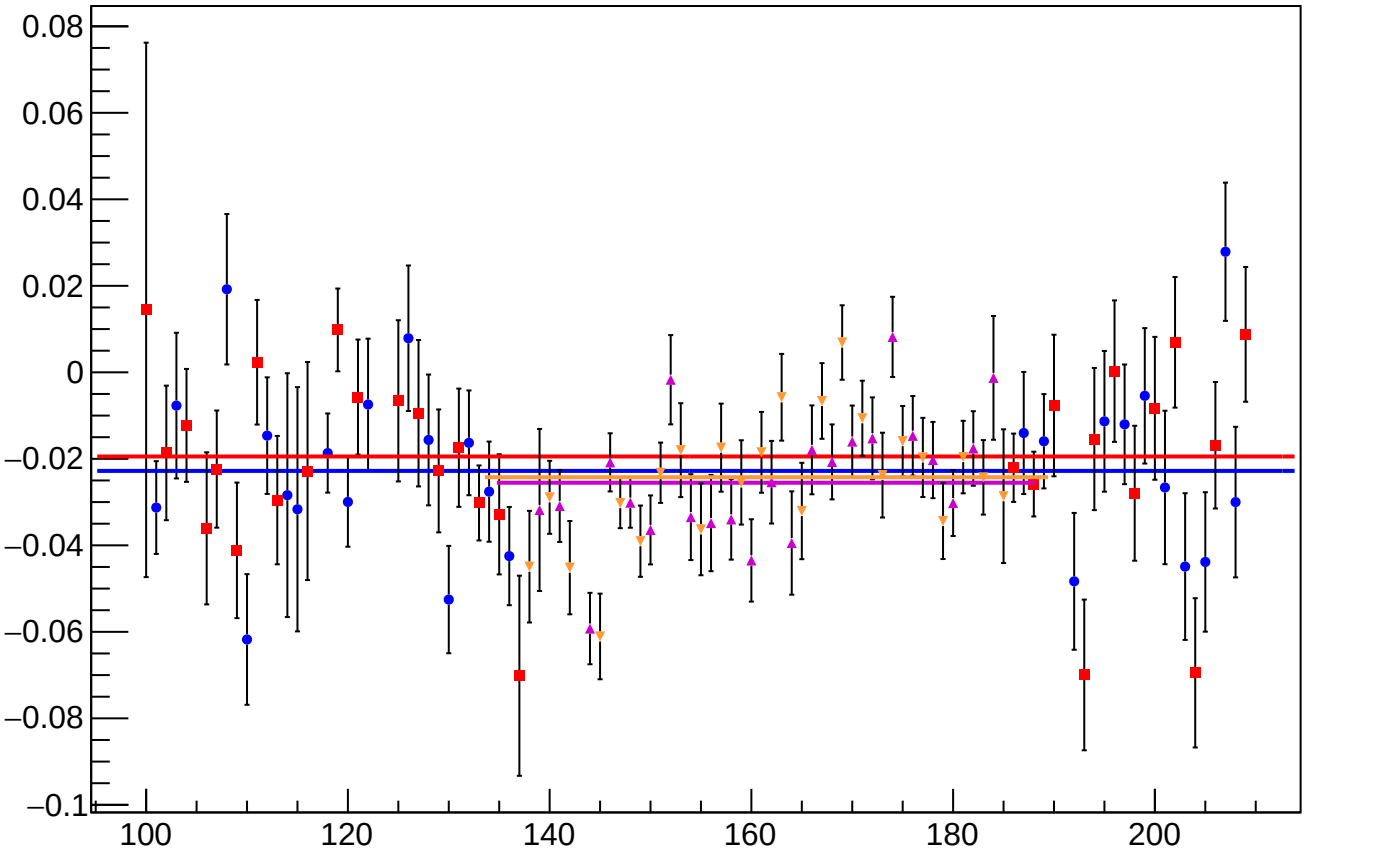
Right Out: -0.021+/-0.002 χ^2/NDF: 1050.8/29

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.008+/-0.002 χ^2/NDF: 1471.4/50

All: -0.011+/-0.001 χ^2/NDF: 3015.8/103

- sign -0.013+/-0.002 χ^2/NDF: 1538.8/52



Right In: -0.023+/-0.003 χ^2/NDF: 48.3/26

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

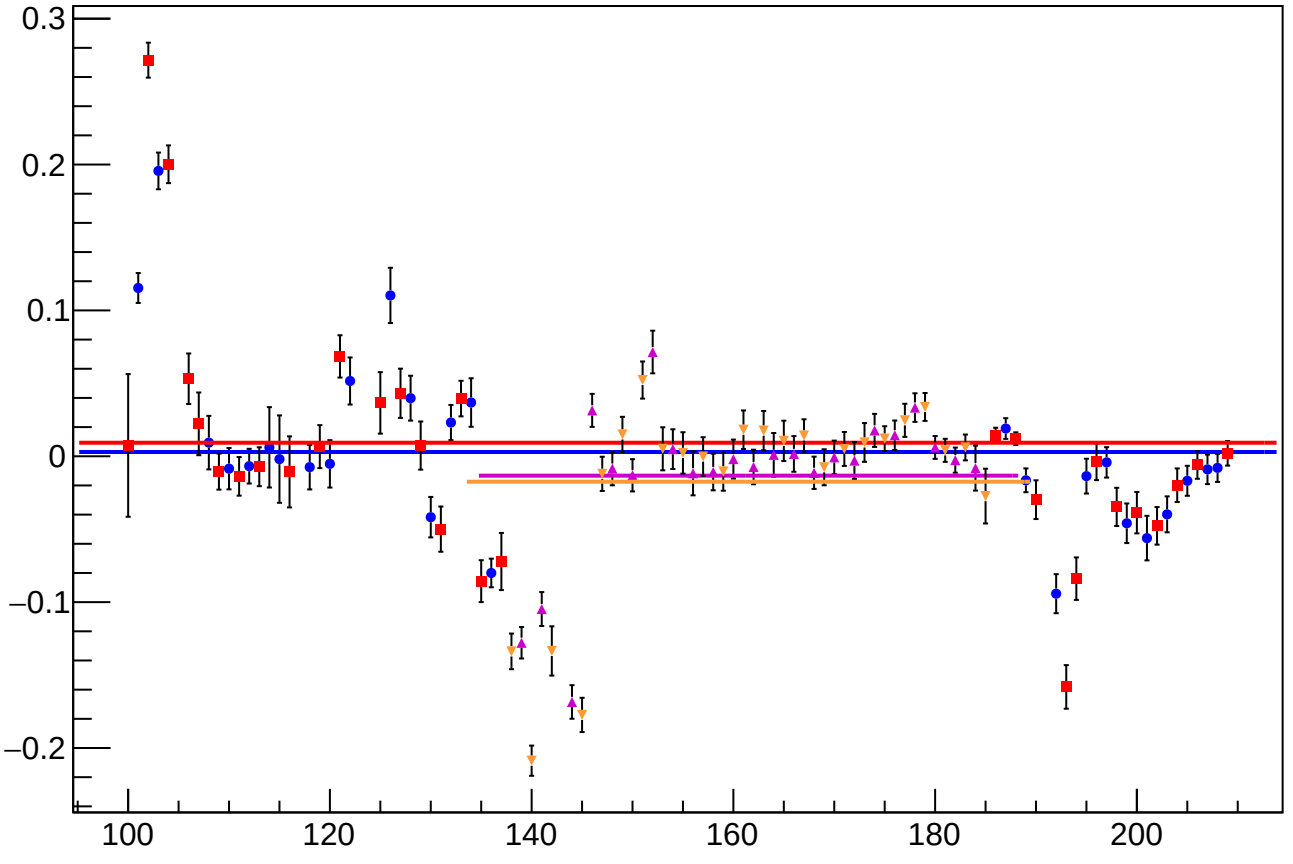
Right Out: -0.019+/-0.002 χ^2/NDF: 51.6/29

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 102.2/50

All: -0.024+/-0.001 χ^2/NDF: 212.7/103

- sign -0.023+/-0.001 χ^2/NDF: 110.4/52



Right In: 0.003+/-0.002 χ^2/NDF: 605.1/26

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

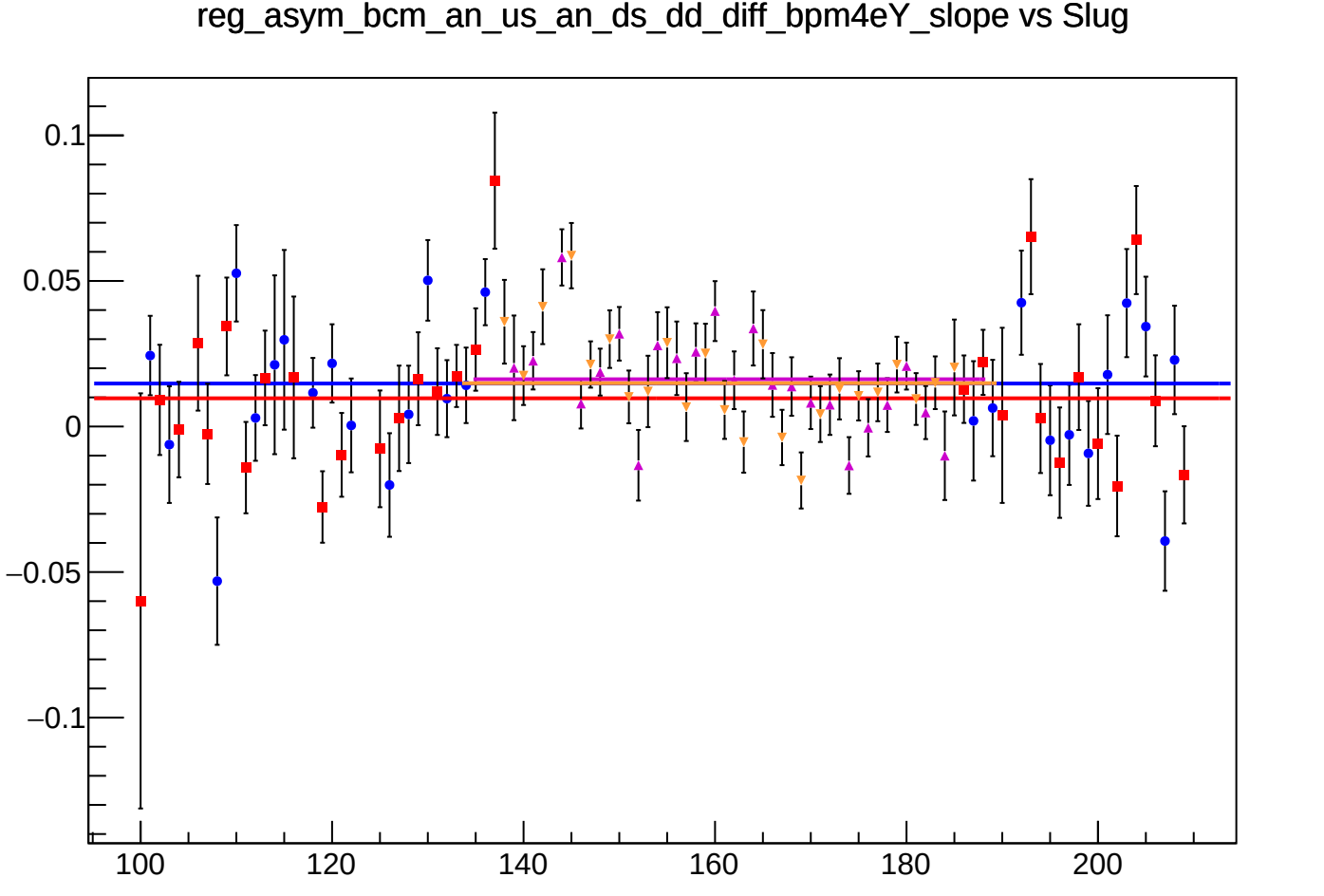
Right Out: 0.009+/-0.002 χ^2/NDF: 1043.9/29

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.007+/-0.002 χ^2/NDF: 1454.3/50

All: -0.003+/-0.001 χ^2/NDF: 3017.2/103

- sign -0.000+/-0.002 χ^2/NDF: 1554.0/52



Right In: 0.015+/-0.003 χ^2/NDF: 57.8/26

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

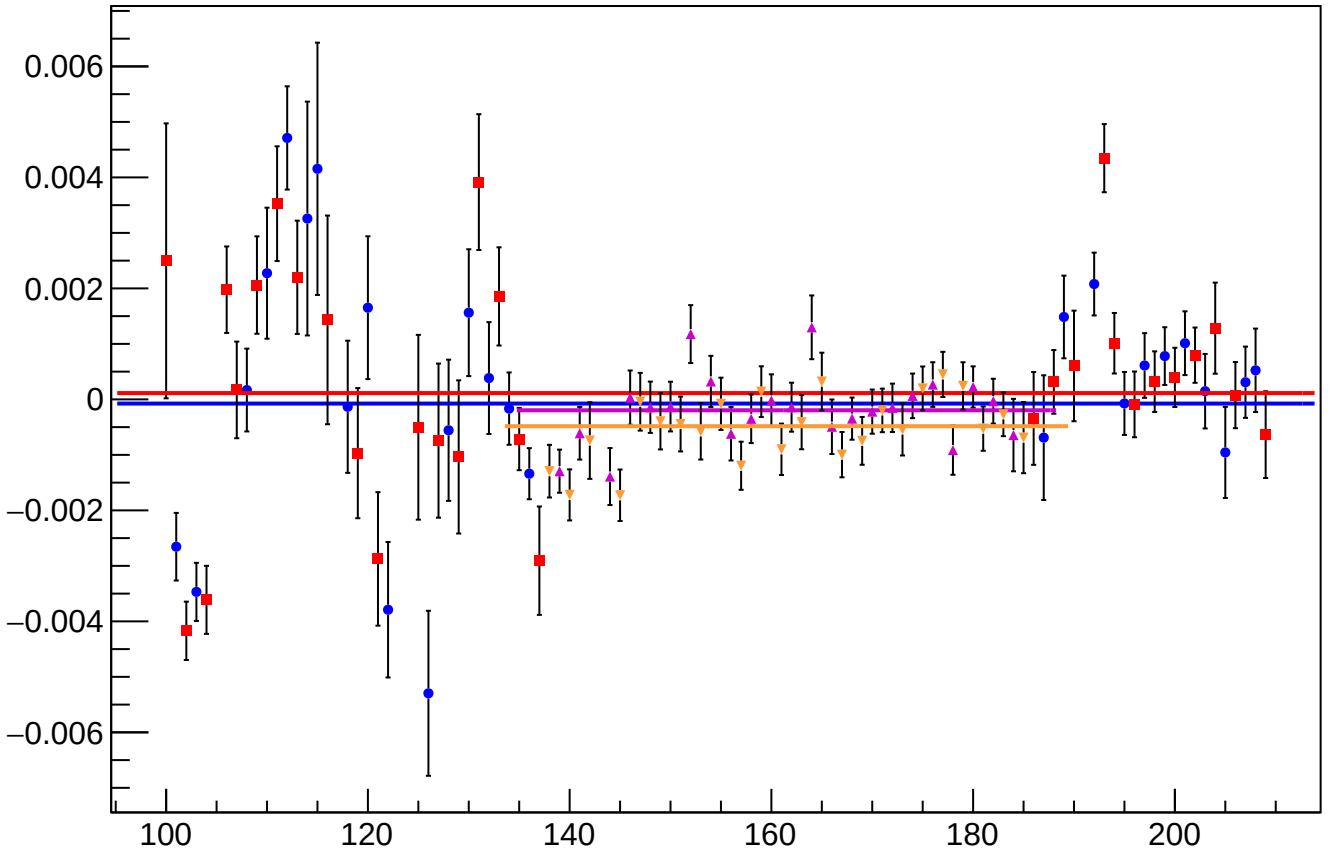
Right Out: 0.010+/-0.003 χ^2/NDF: 57.2/29

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.015+/-0.002 χ^2/NDF: 109.8/50

All: 0.014+/-0.001 χ^2/NDF: 228.3/103

- sign 0.014+/-0.002 χ^2/NDF: 118.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 158.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 220.2/29

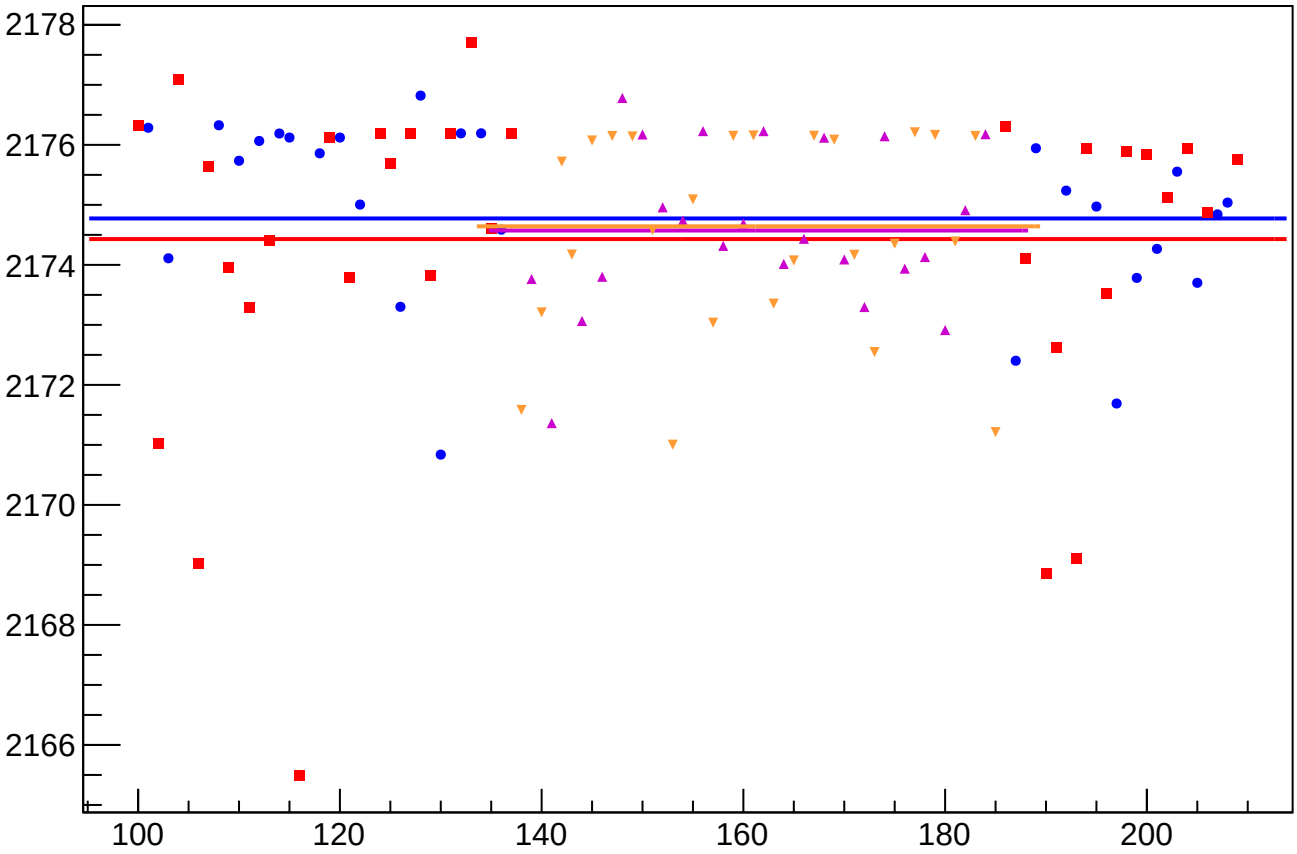
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 205.4/50

All: -0.000+/-0.000 χ^2/NDF: 472.1/103

- sign -0.000+/-0.000 χ^2/NDF: 261.0/52

HALLA_p_mean vs Slug



Right In: 2174.774+/-0.000 χ^2/NDF: 319825477131342449242191745882521 6.0/26

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120.0/24

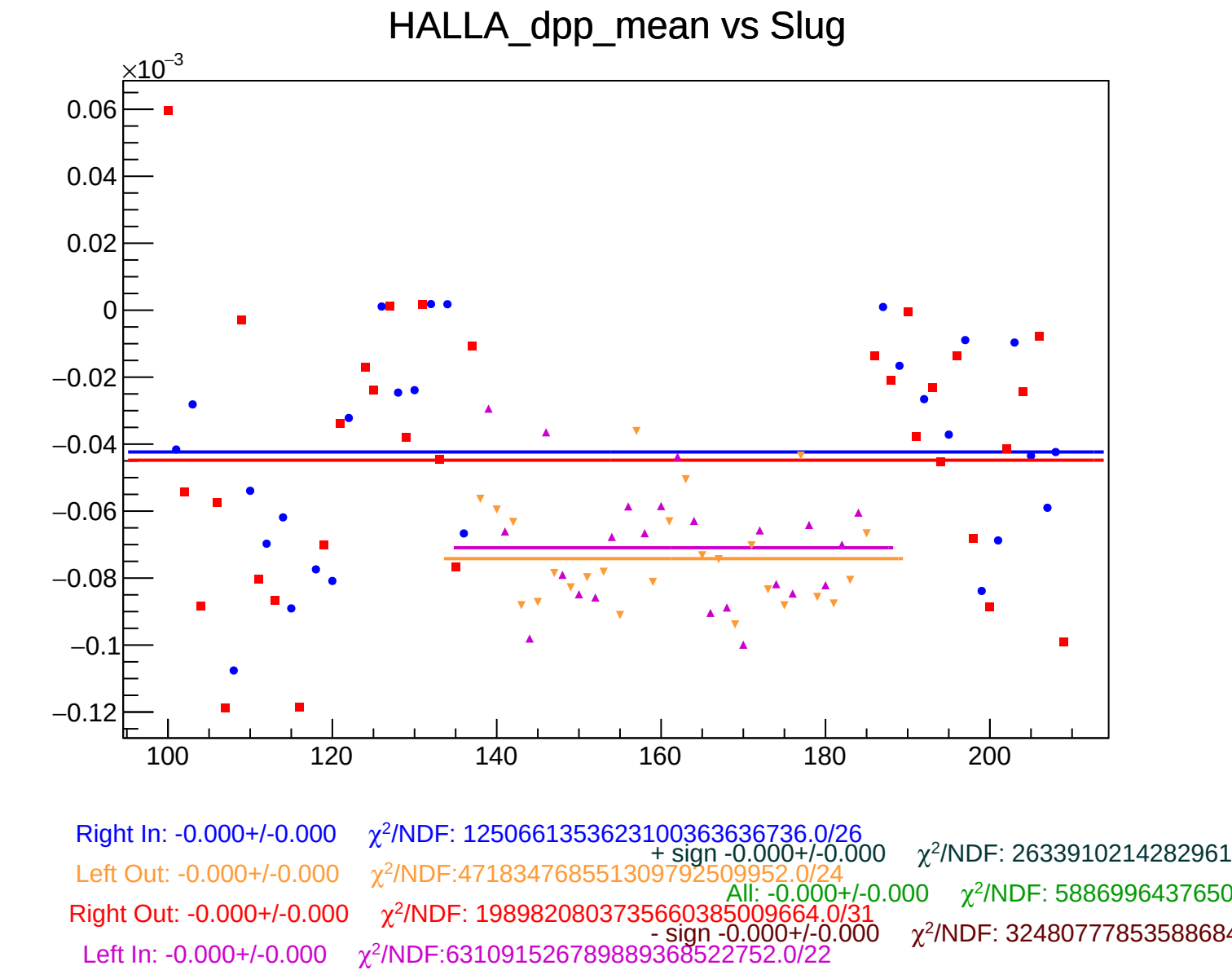
Right Out: 2174.430+/-0.000 χ^2/NDF: 10135765535297363931635073740177408.0/31

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520.0/22

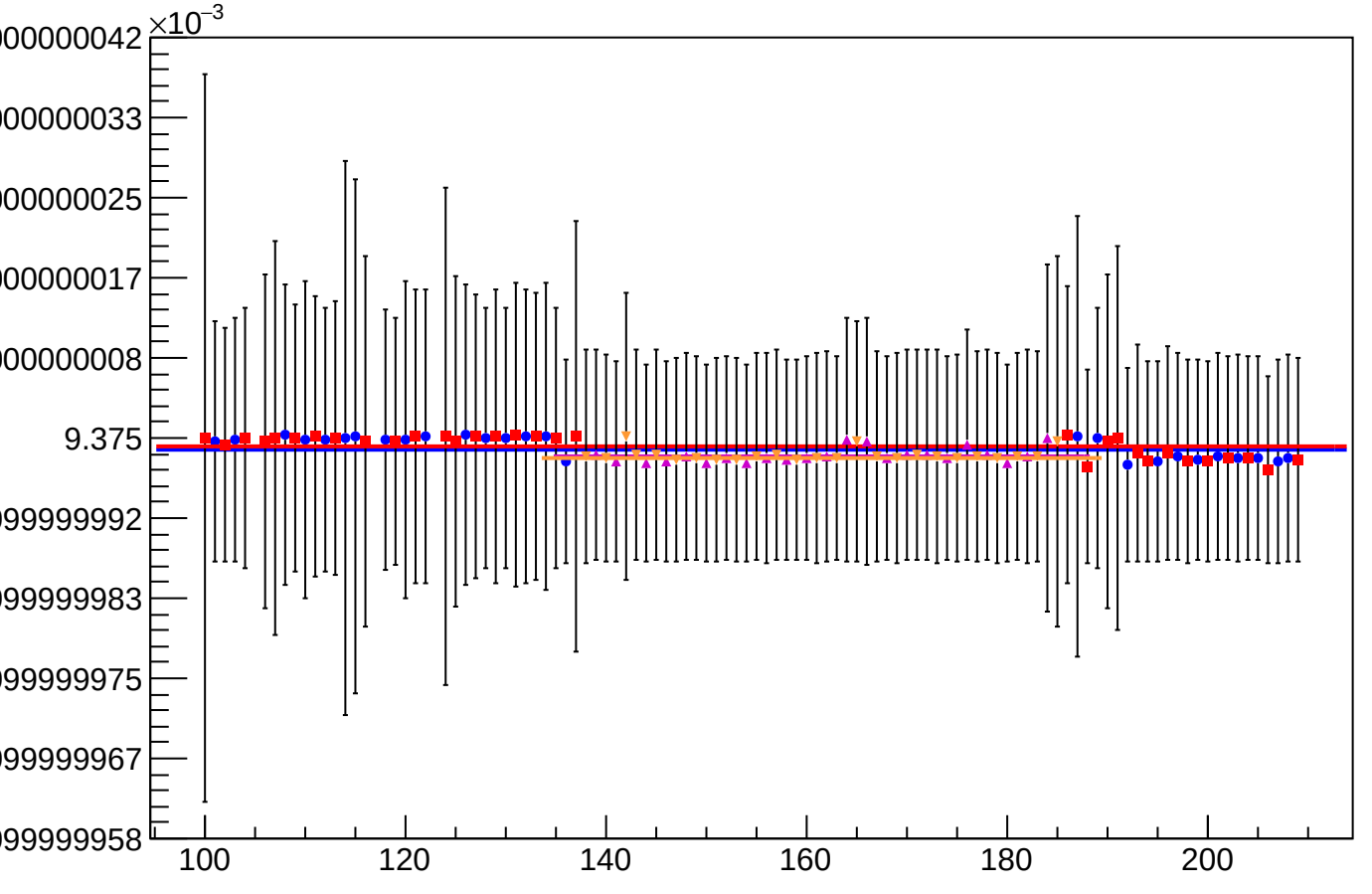
+ sign 2174.701+/-0.000 χ^2/NDF: 84253663264133

All: 2174.602+/-0.000 χ^2/NDF: 220820030 97

- sign 2174.504+/-0.000 χ^2/NDF: 13585764458949


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: 12506613536231003636367360/26
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: -0.000+/-0.000 χ²/NDF: 19898208037356603850096640/31
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2633910214282961
All: -0.000+/-0.000 χ²/NDF: 5886996437650
- sign -0.000+/-0.000 χ²/NDF: 3248077785358684

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/31

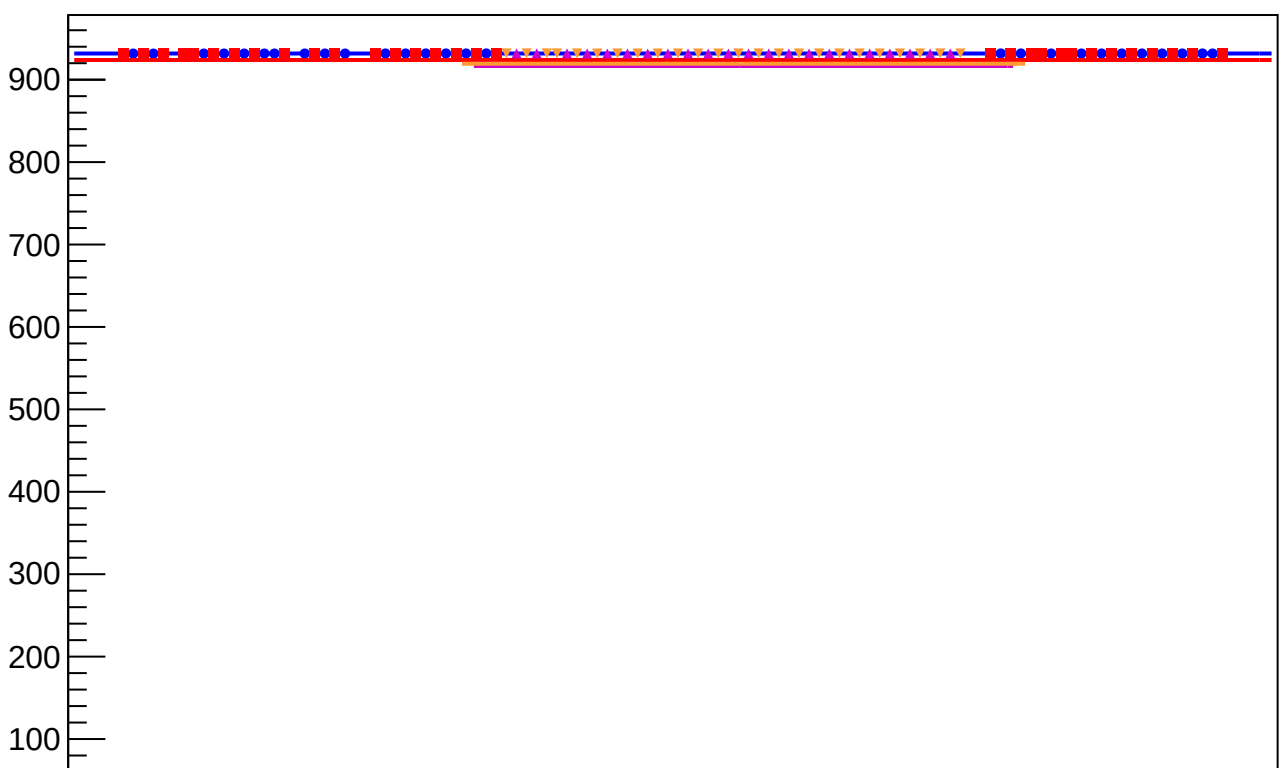
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/106

- sign 0.009+/-0.000 χ^2/NDF: 0.4/54

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.779+/-0.000 χ^2/NDF: 339157658145679247573833796812 8.0/26

+ sign 924.883+/-0.000 χ^2/NDF: 231600103948520

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

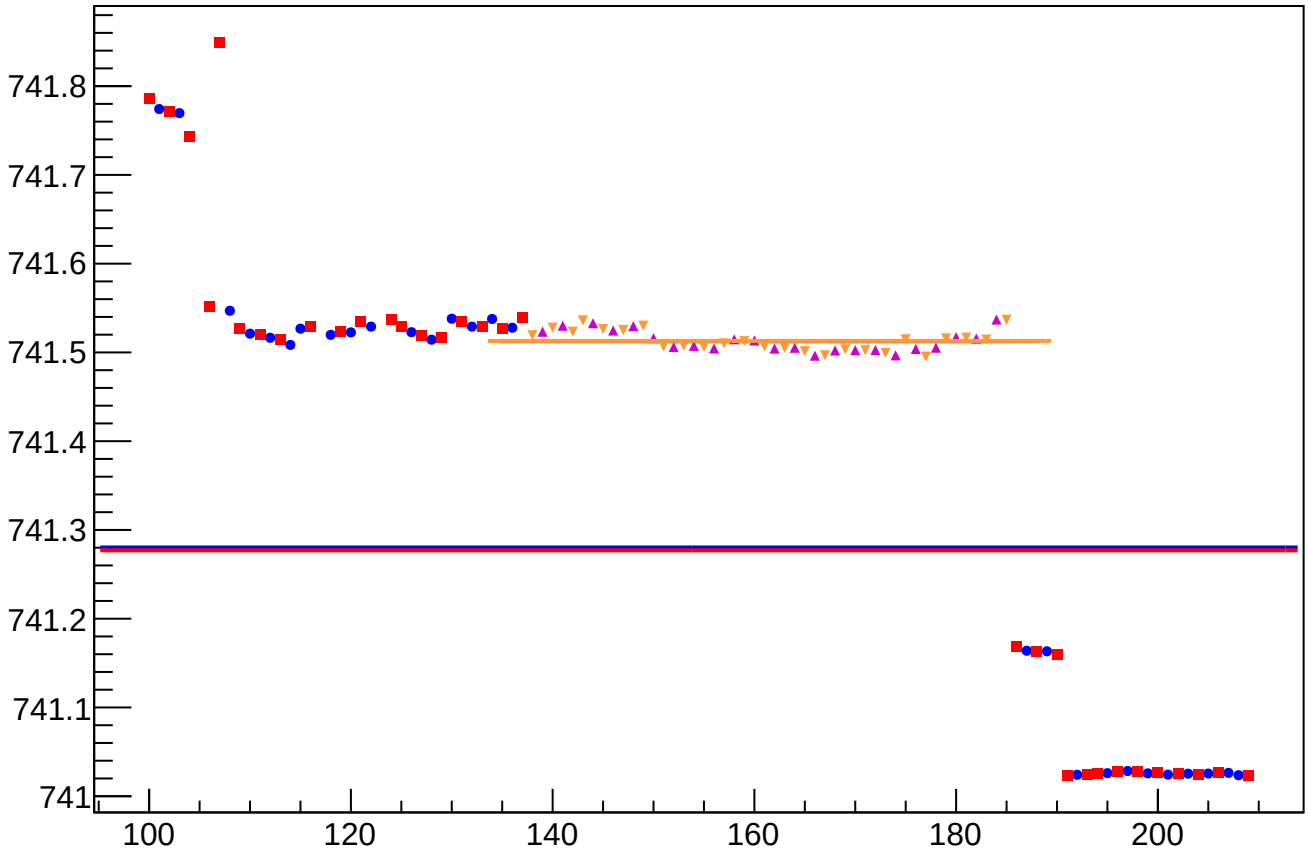
All: 922.497+/-0.000 χ^2/NDF: 625309372216

Right Out: 923.885+/-0.000 χ^2/NDF: 1291199050730088358174150674442774 1184.0/31

- sign 920.136+/-0.000 χ^2/NDF: 393297140070018

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.280+/-0.000 χ^2/NDF: 12146239673521979514041079640883 2.0/26

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.277+/-0.000 χ^2/NDF: 13092324075274299098841690511769 6.0/31

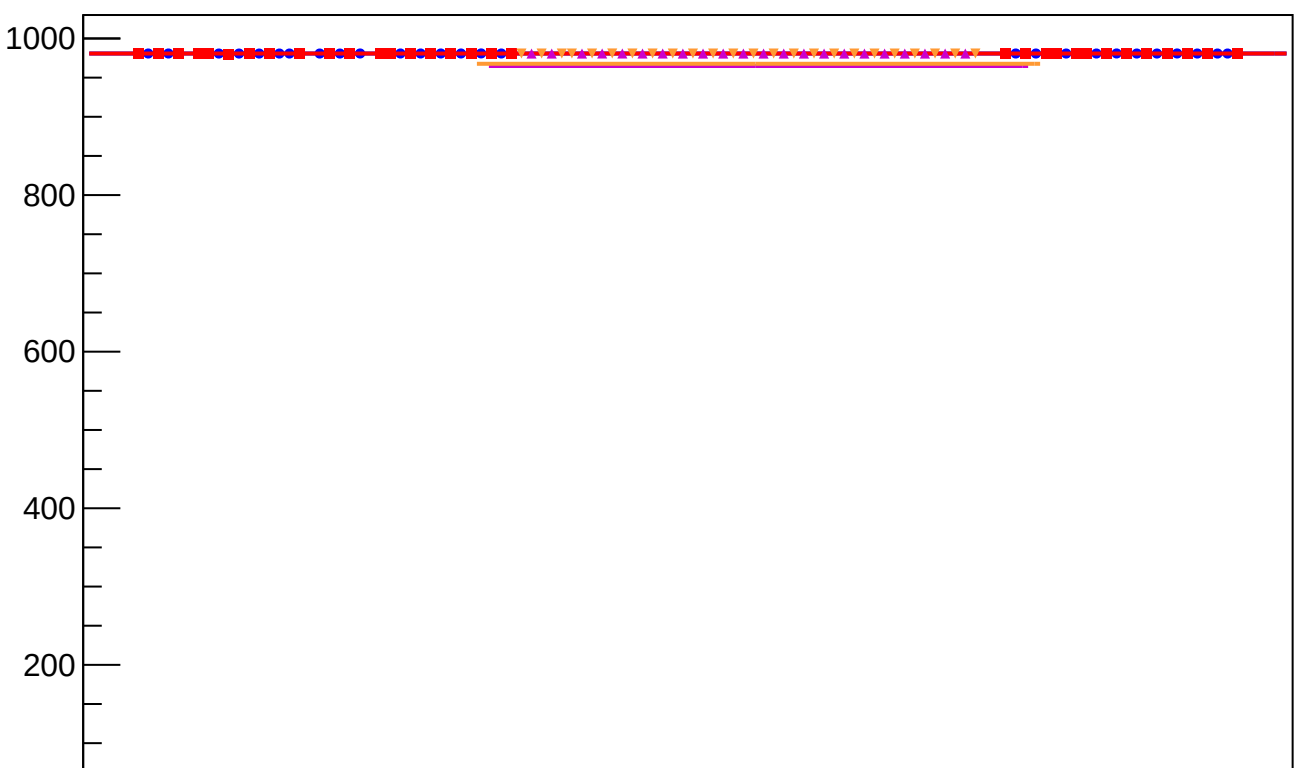
Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.409+/-0.000 χ^2/NDF: 17038144518645 3

All: 741.404+/-0.000 χ^2/NDF: 3526505211 60

- sign 741.399+/-0.000 χ^2/NDF: 18207956219635 5

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.806+/-0.000 χ^2/NDF: 1854101372643293583221177974784.0/26

+ sign 973.523+/-0.000 χ^2/NDF: 256600594451962

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

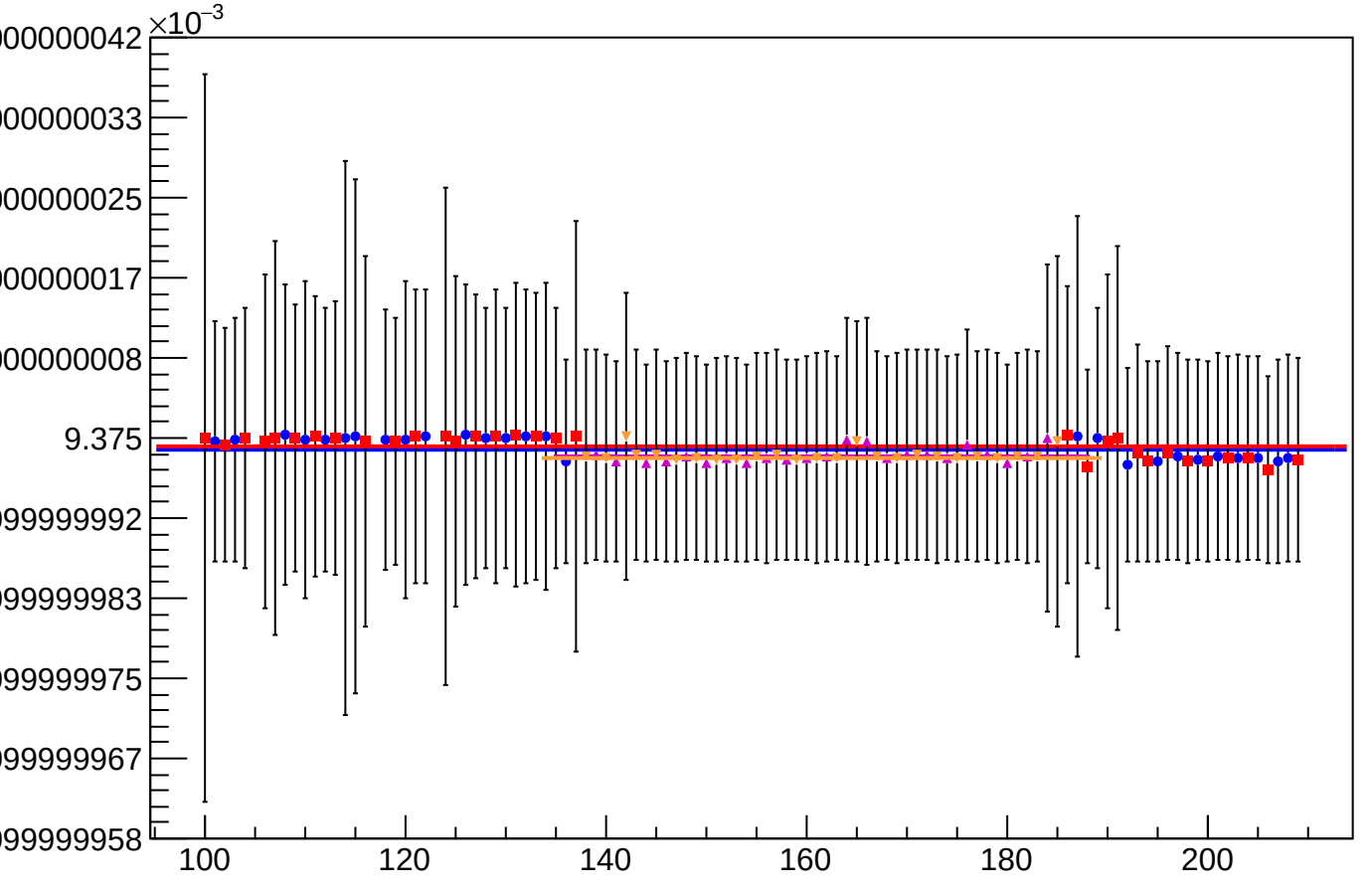
All: 973.020+/-0.000 χ^2/NDF: 55110525987

Right Out: 980.779+/-0.000 χ^2/NDF: 6341062901203636048962805510963 2.0/31

- sign 972.522+/-0.000 χ^2/NDF: 294486330207262

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: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/31

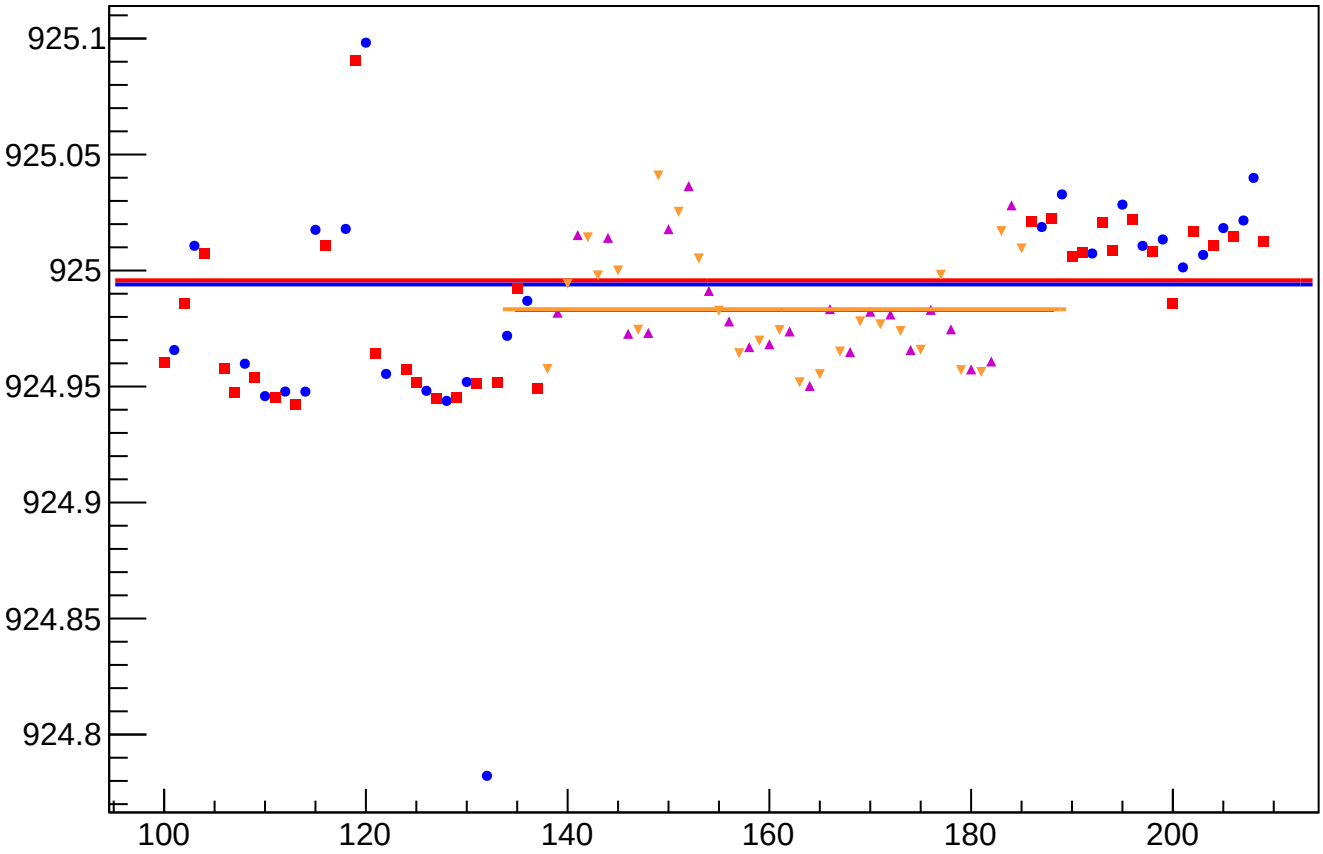
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/106

- sign 0.009+/-0.000 χ^2/NDF: 0.4/54

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.994+/-0.000 χ^2/NDF: 3716436755433912263442402639872.0/26

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.996+/-0.000 χ^2/NDF: 19743416820564768993039718809600.0/31

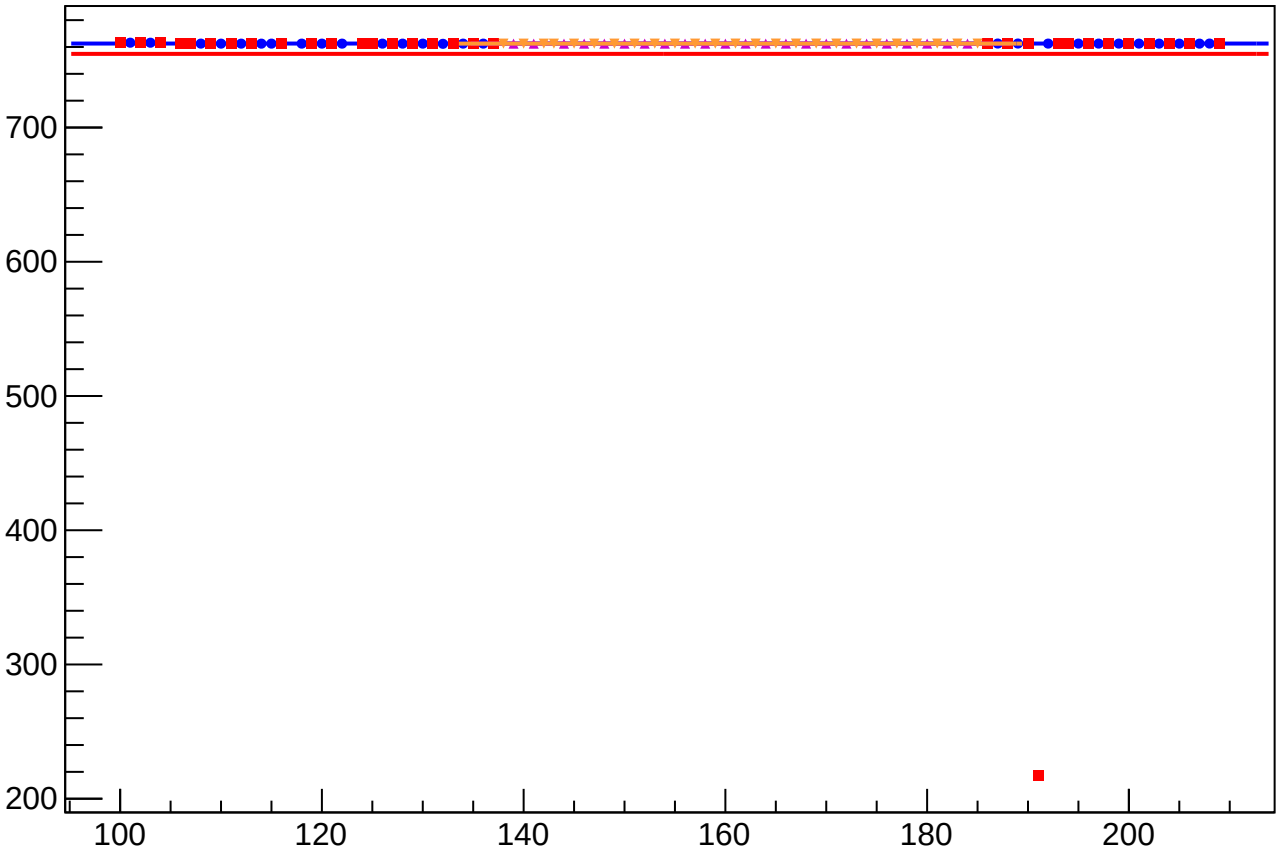
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.988+/-0.000 χ^2/NDF: 498041263358833

All: 924.989+/-0.000 χ^2/NDF: 80349832522

- sign 924.989+/-0.000 χ^2/NDF: 305240593160346

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.565+/-0.000 χ^2/NDF: 553333050346417986503023672688 64.0/26

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 754.868+/-0.000 χ^2/NDF: 733429422603565678241827886288863 2320.0/31

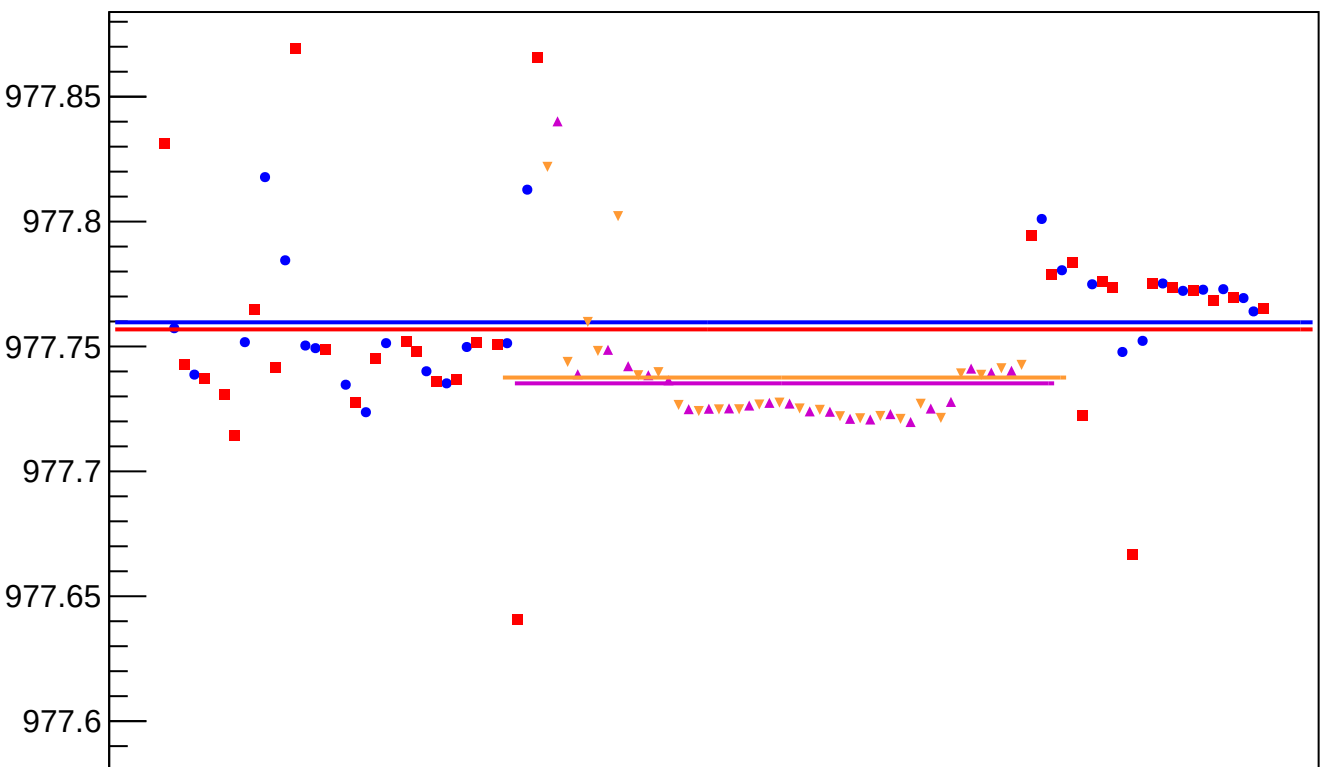
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.539+/-0.000 χ^2/NDF: 580898255313285

All: 760.677+/-0.000 χ^2/NDF: 741316534554

- sign 758.835+/-0.000 χ^2/NDF: 738801591486671

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760+/-0.000 χ^2/NDF: 2213759602355522943705252102144.0/26

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.757+/-0.000 χ^2/NDF: 2846930098930716535495453573120.0/31

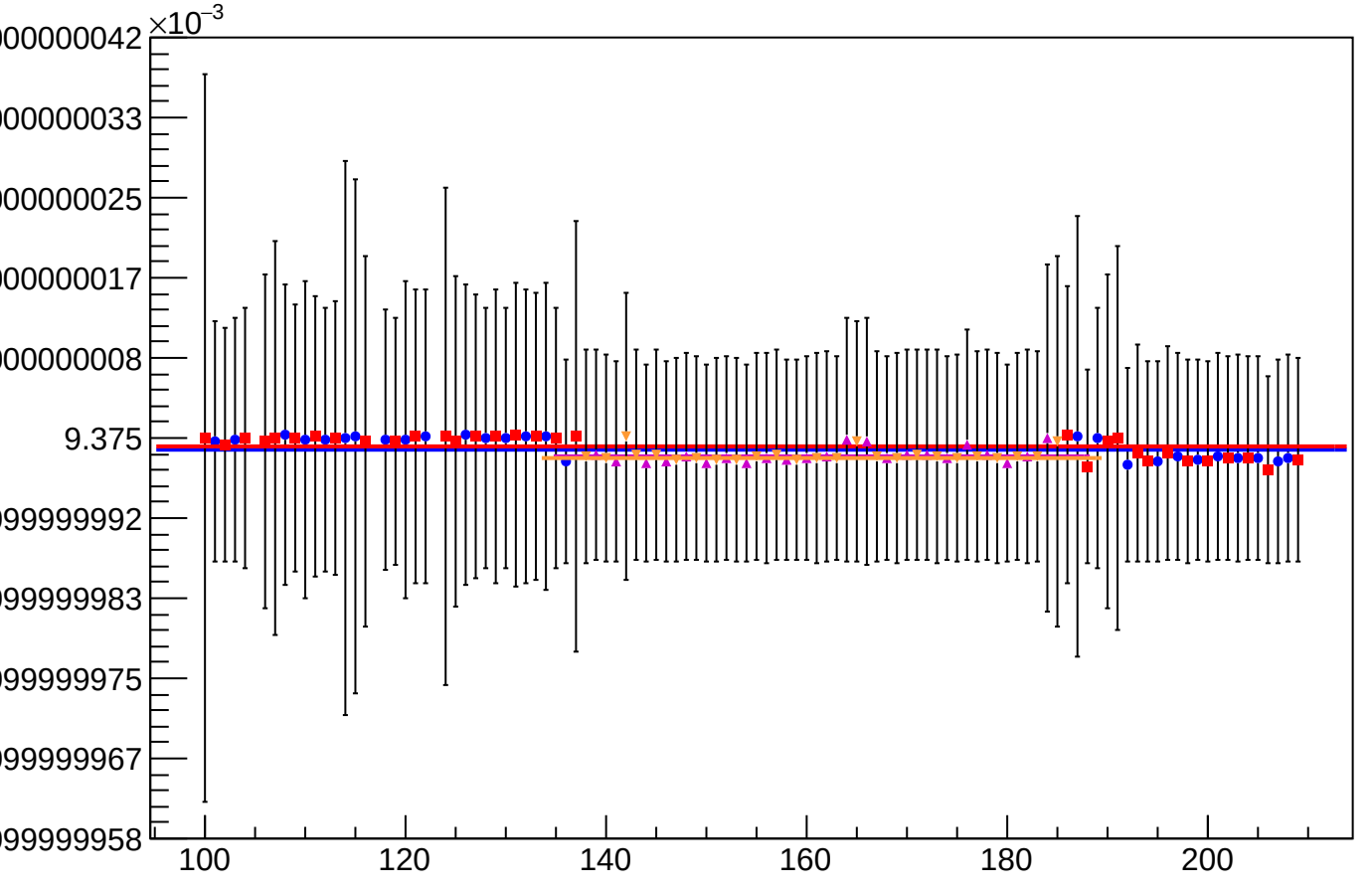
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.747+/-0.000 χ^2/NDF: 383151447885745

All: 977.747+/-0.000 χ^2/NDF: 820923851544

- sign 977.746+/-0.000 χ^2/NDF: 437196808177073

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/31

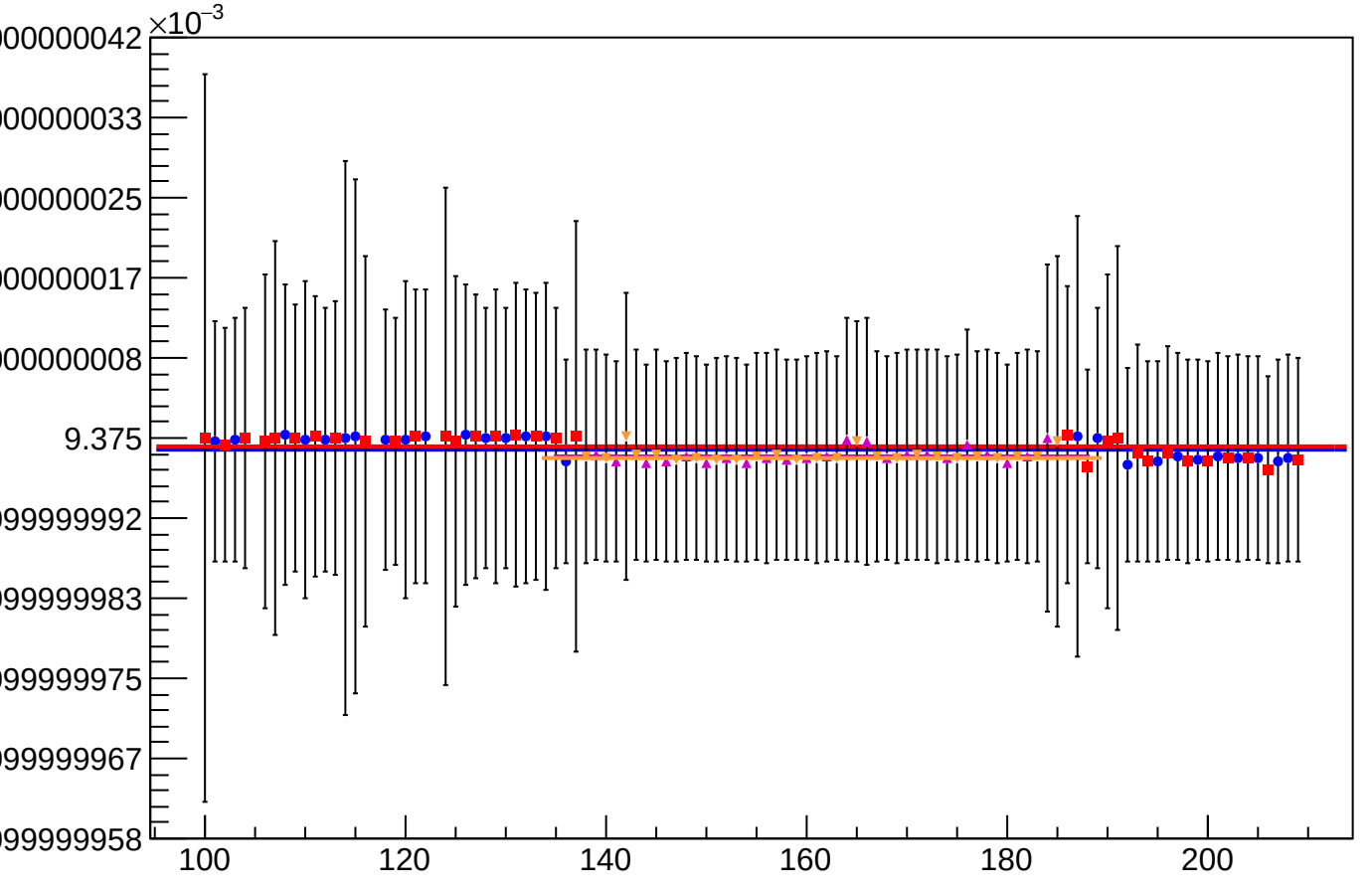
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

\+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/106

\- sign 0.009+/-0.000 χ^2/NDF: 0.4/54

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/31

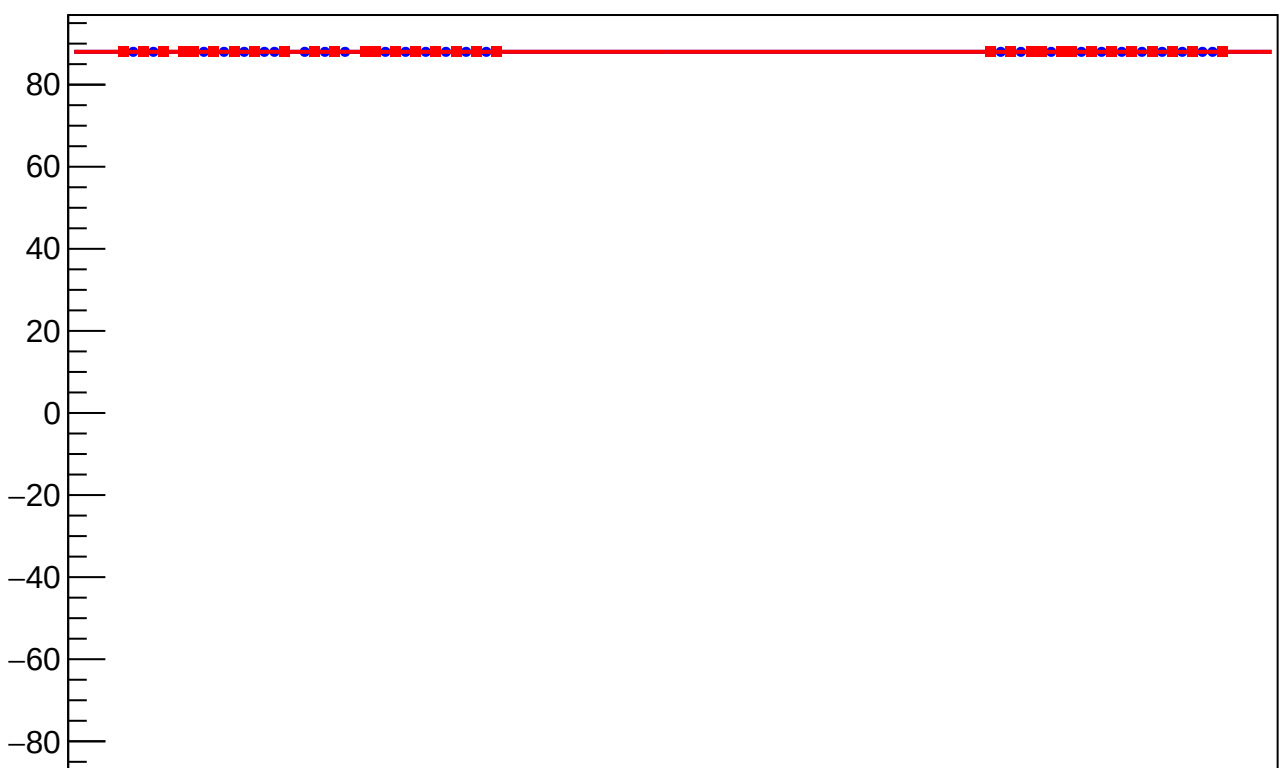
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: 0.009+/-0.000 χ^2/NDF: 1.0/106

- sign 0.009+/-0.000 χ^2/NDF: 0.4/54

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 2990047.9/26

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 764000972869077017607526154240/31

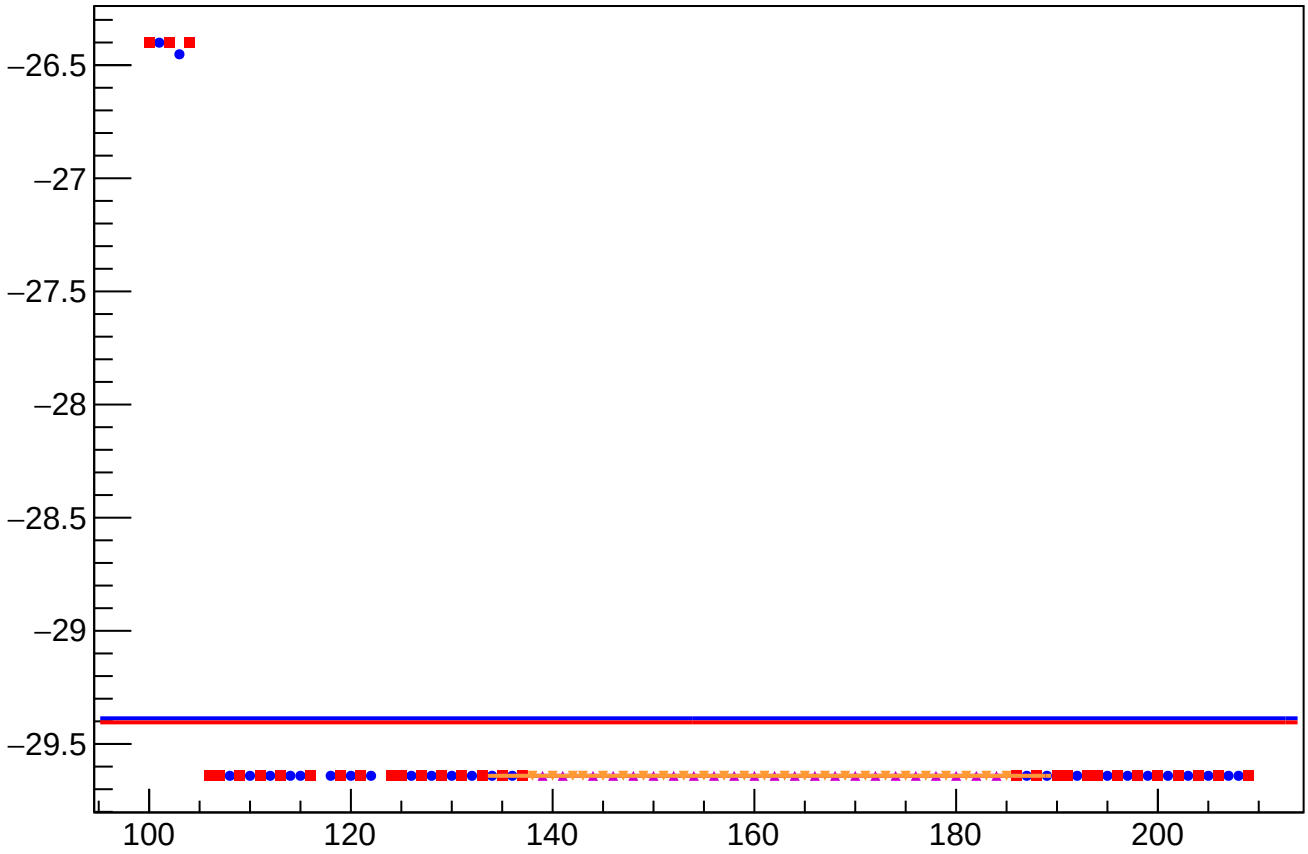
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -11.069+/-0.000 χ^2/NDF: 286639733132490

All: -7.819+/-0.000 χ^2/NDF: 5801490828343

- sign -4.603+/-0.000 χ^2/NDF: 2927448328353570

HWienAngle_mean vs Slug



Right In: -29.387+/-0.000 χ^2/NDF: 12183483085714309473575653028659 20.0/26

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

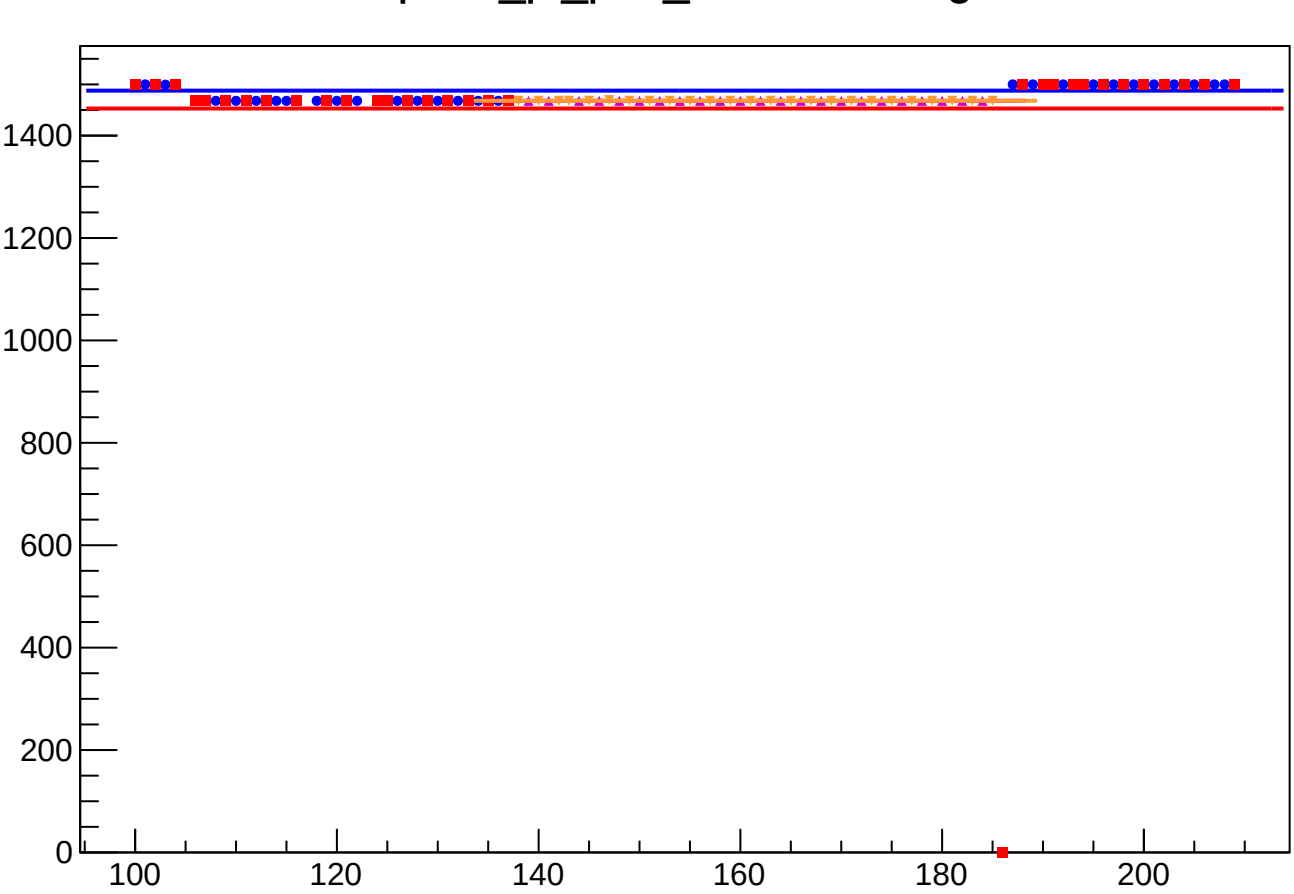
Right Out: -29.405+/-0.000 χ^2/NDF: 125549516745762903994107810965094 4.0/31

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.528+/-0.000 χ^2/NDF: 127632332961595

All: -29.527+/-0.000 χ^2/NDF: 258299245826

- sign -29.527+/-0.000 χ^2/NDF: 130666848443959



Right In: 1487.864+/-0.000 χ^2/NDF: 389950736201372218363129460613447680.0/26

+ sign 1476.874+/-0.000 χ^2/NDF: 74286883221223

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1468.767+/-0.000 χ^2/NDF: 9265518011

Right Out: 1452.938+/-0.000 χ^2/NDF: 91228601740064715150652323859206766592.0/31

- sign 1460.744+/-0.000 χ^2/NDF: 91436630664704

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug

Right In: 90.057+/-0.000 χ^2/NDF: 178330515164460210372850338496512.0/26

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.050+/-0.000 χ^2/NDF: 183894353898330433033318864781312.0/31

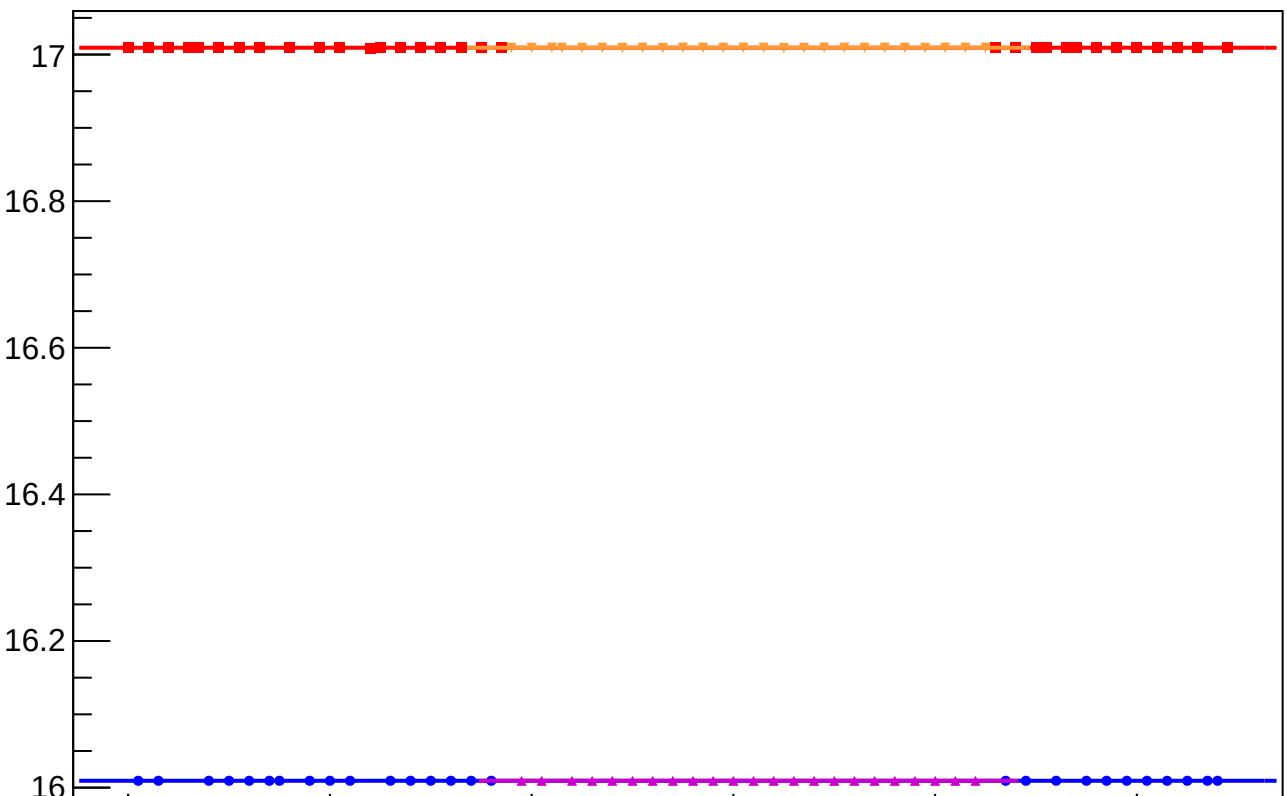
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.927+/-0.000 χ^2/NDF: 3904203240080305

All: 88.963+/-0.000 χ^2/NDF: 7875186819005

- sign 88.998+/-0.000 χ^2/NDF: 3961968433451115

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 1060716973837332586168320.0/26

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 2020091793094921912372428 8.0/31

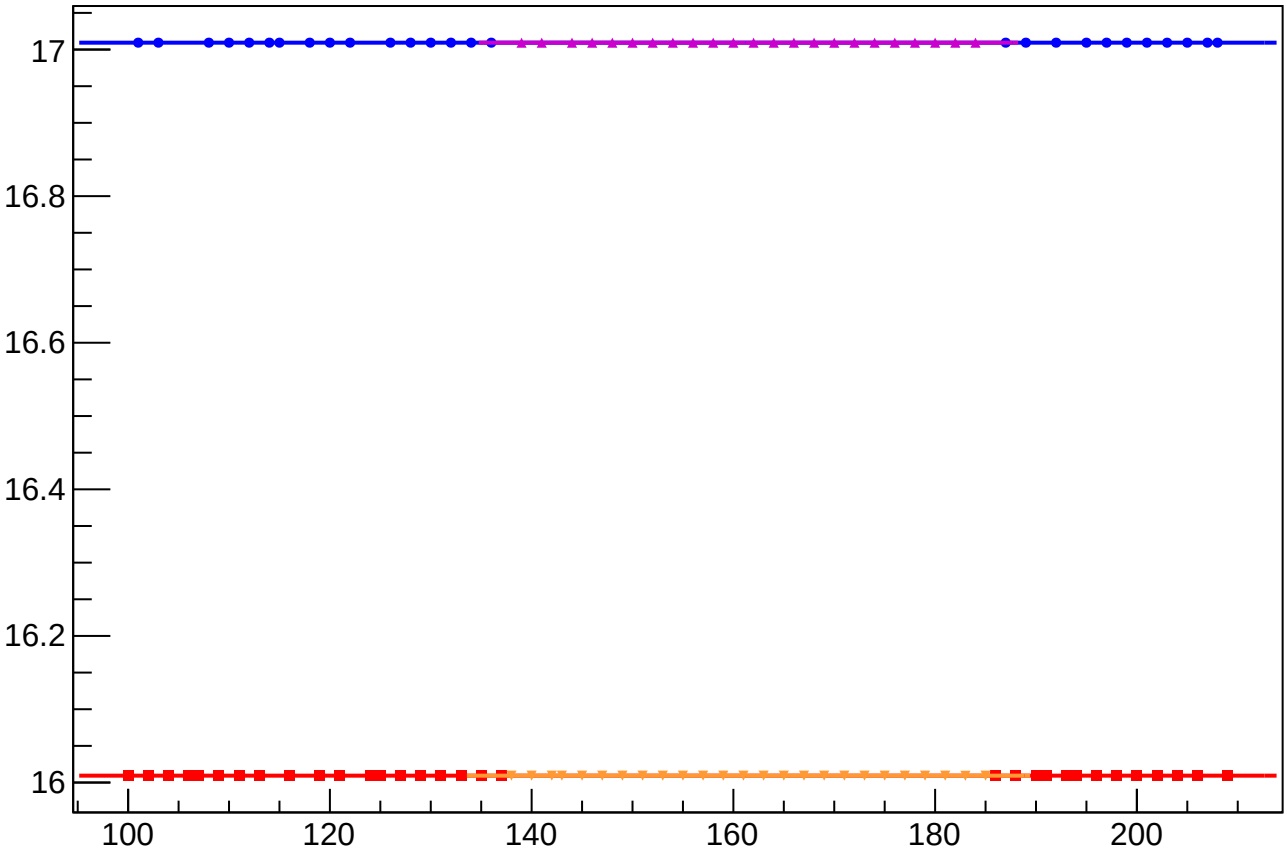
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.551+/-0.000 χ^2/NDF: 8569335850465401

All: 16.525+/-0.000 χ^2/NDF: 1728404398881

- sign 16.499+/-0.000 χ^2/NDF: 8667808974548920

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 106091170477254054510592.0/26

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 586748.4/31

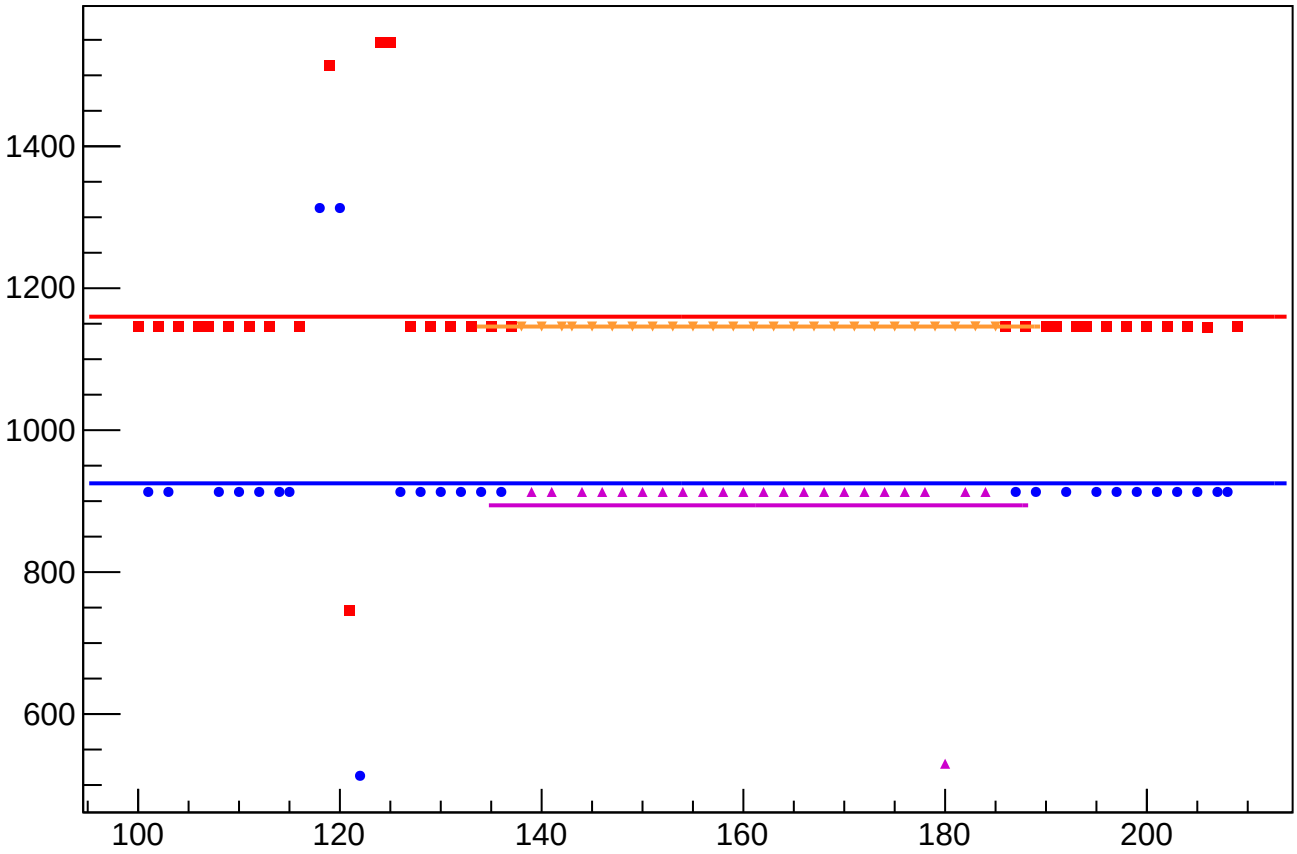
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.453+/-0.000 χ^2/NDF: 8829930472539138

All: 16.488+/-0.000 χ^2/NDF: 179763030744

- sign 16.522+/-0.000 χ^2/NDF: 9058877448735852

RTPAPOSUCNT_mean vs Slug



Right In: 925.094+/-0.000 χ^2/NDF: 213642510738490691885441011210224926 72.0/26

+ sign 1047.642+/-0.000 χ^2/NDF: 652242809806 99

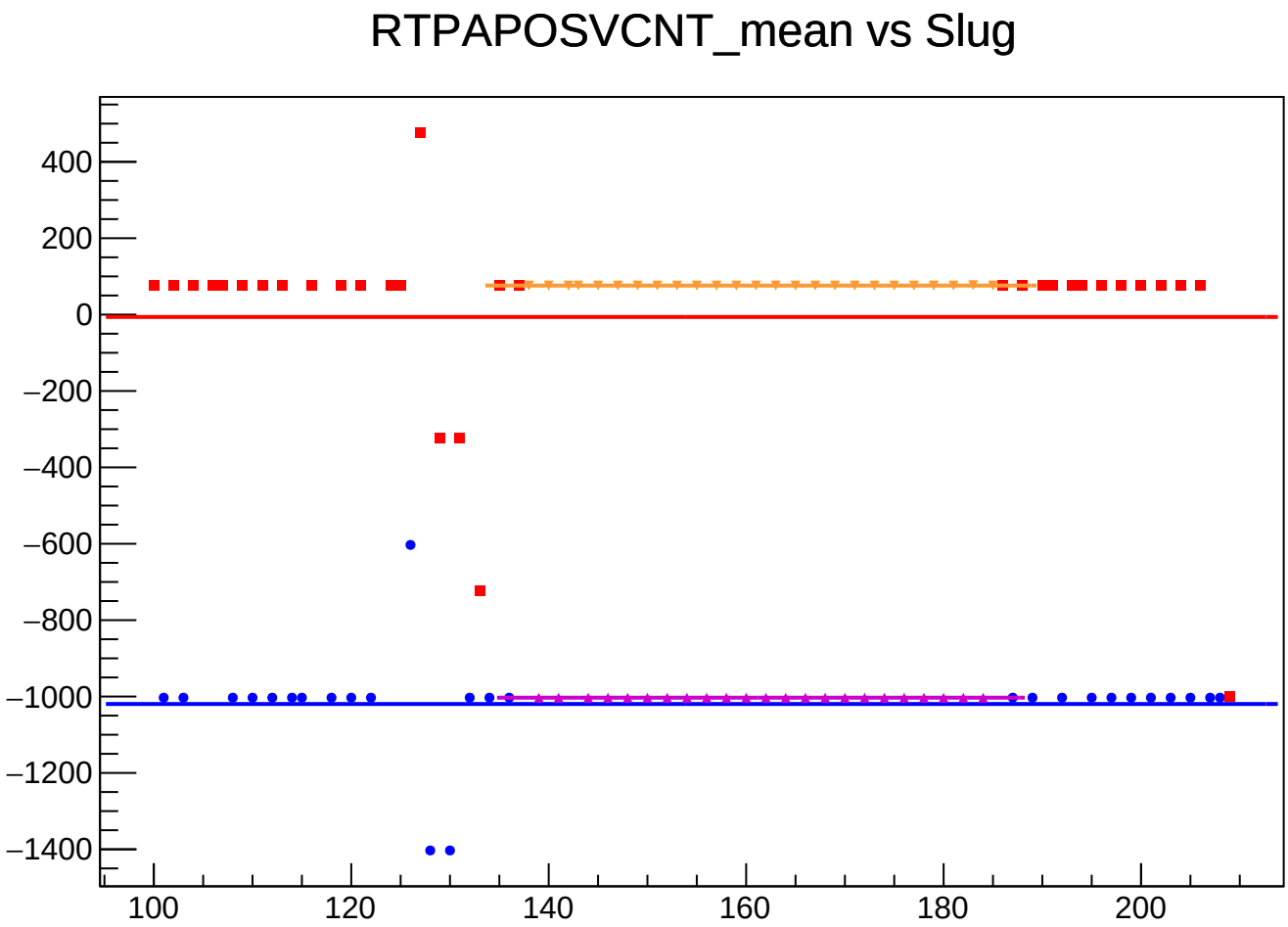
Left Out: 1146.020+/-0.000 χ^2/NDF:370307129794187145990643069747 2.0/24

All: 1034.800+/-0.000 χ^2/NDF: 166969839 07

Right Out: 1159.911+/-0.000 χ^2/NDF: 22604661506374465637408453400255791104.0/31

- sign 1022.092+/-0.000 χ^2/NDF: 10055198323995

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137 60.0/22



Right In: -1019.532+/-0.000 χ^2/NDF: 233963171755992917820882387418208010 24.0/26

+ sign -411.811+/-0.000 χ^2/NDF: 11020092197851

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

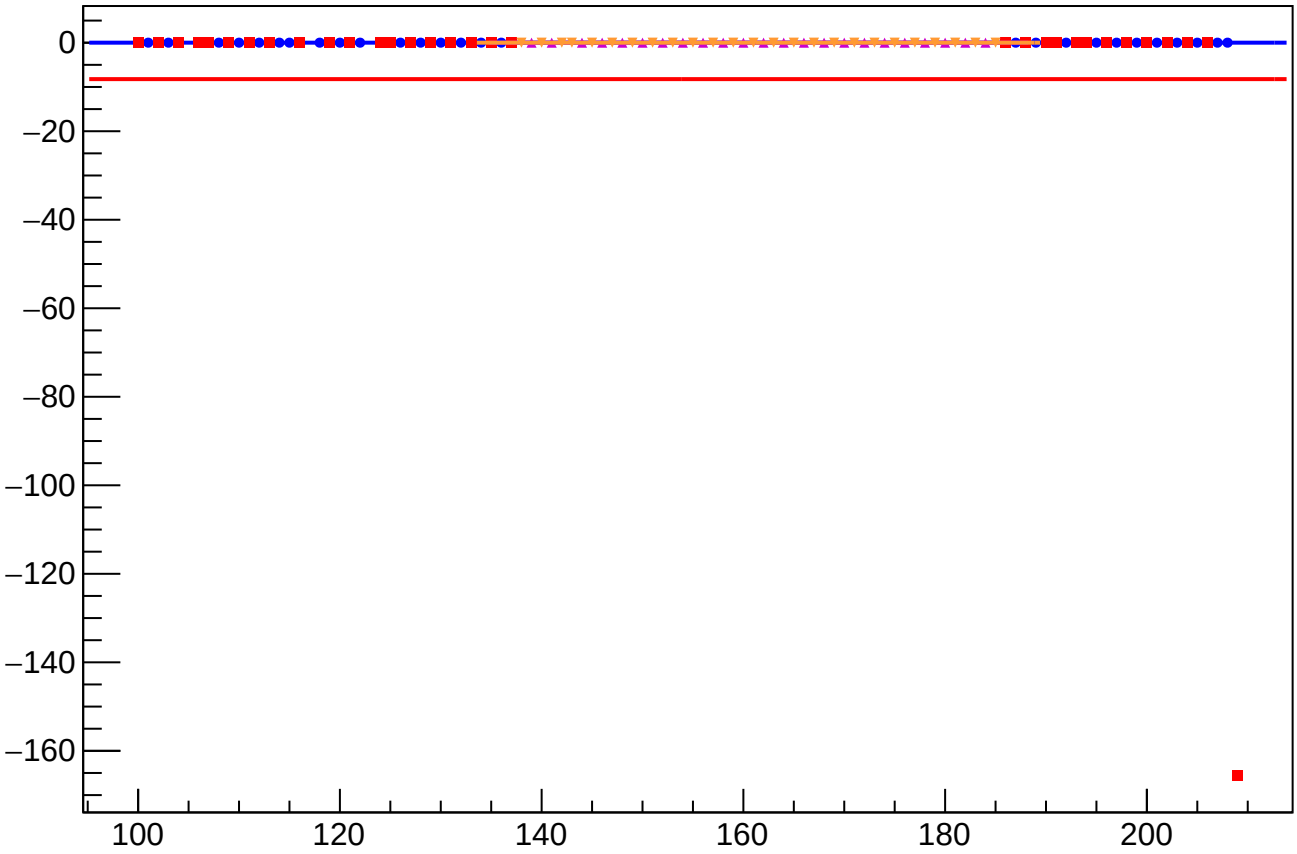
All: -467.708+/-0.000 χ^2/NDF: 2175875575 0

Right Out: -6.186+/-0.000 χ^2/NDF: 139364869199096457942688923387181400064.0/31

- sign -523.027+/-0.000 χ^2/NDF: 10512501728166

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -8.226+/-0.000 χ^2/NDF: 22946210369853731229905910961253908 48.0/31

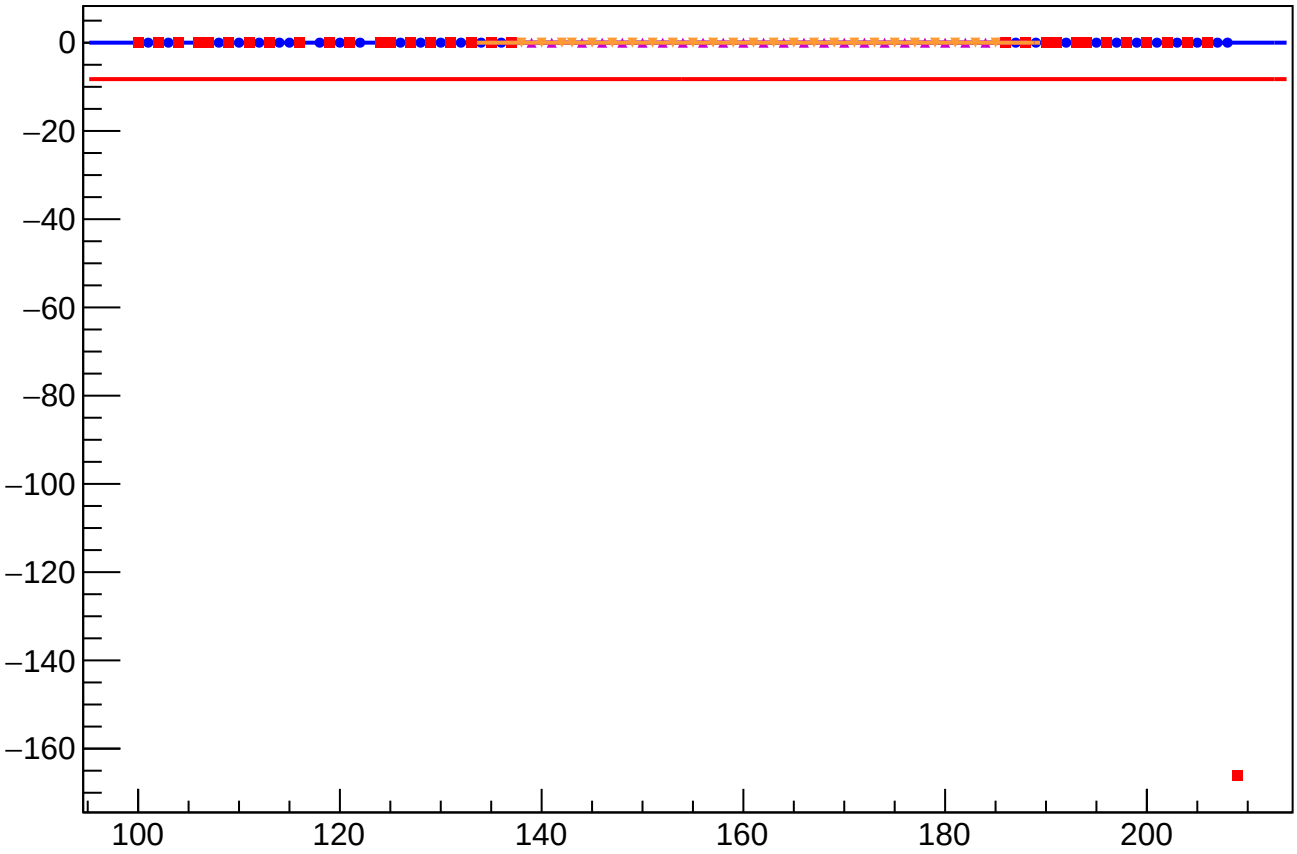
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: -1.984+/-0.000 χ^2/NDF: 2385619889751

- sign -3.956+/-0.000 χ^2/NDF: 2356867552496125

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -8.252+/-0.000 χ^2/NDF: 230901292004286992808080314962909593 6.0/31

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/51

All: -1.990+/-0.000 χ^2/NDF: 2400582518403

- sign -3.969+/-0.000 χ^2/NDF: 2371649846239103