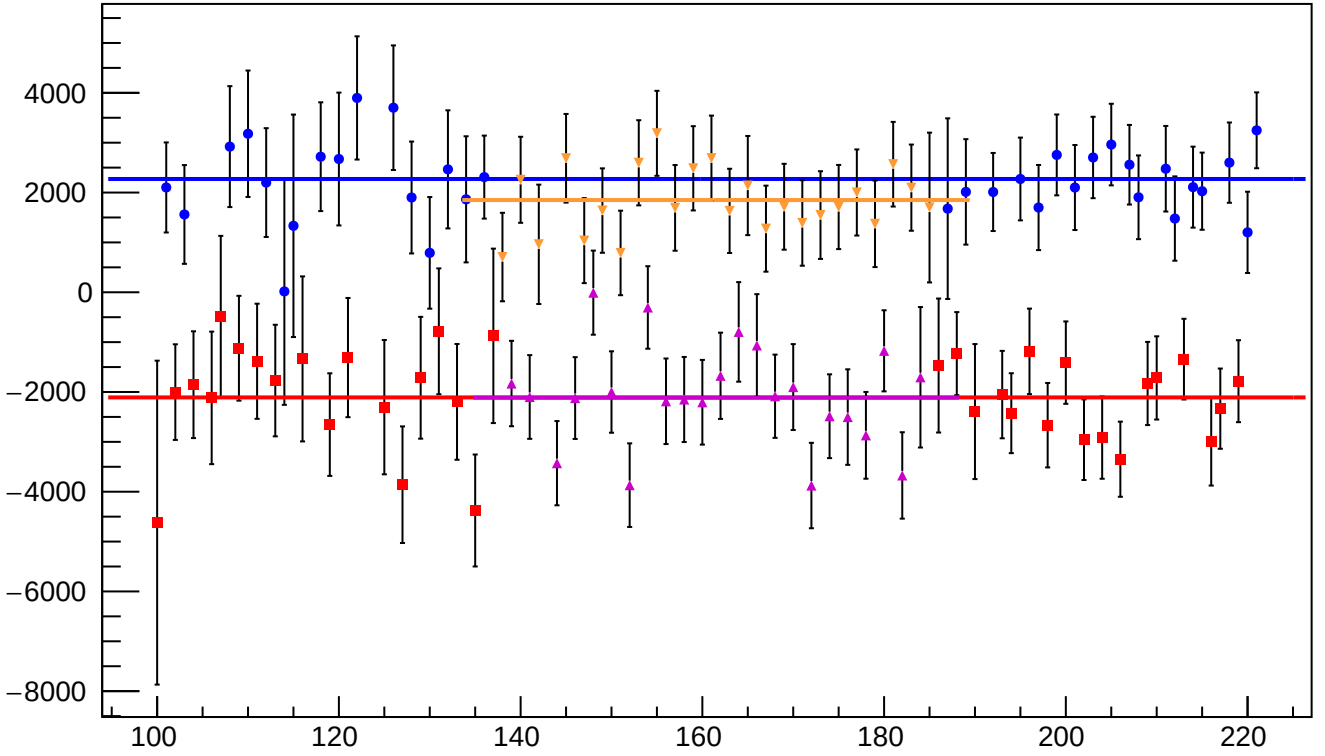
reg_asym_us_avg_mean vs Slug



Right In: 2272.177+/-164.171 χ^2/NDF: 14.9/33

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

Right Out: -2108.904+/-169.042 χ^2/NDF: 23.1/34

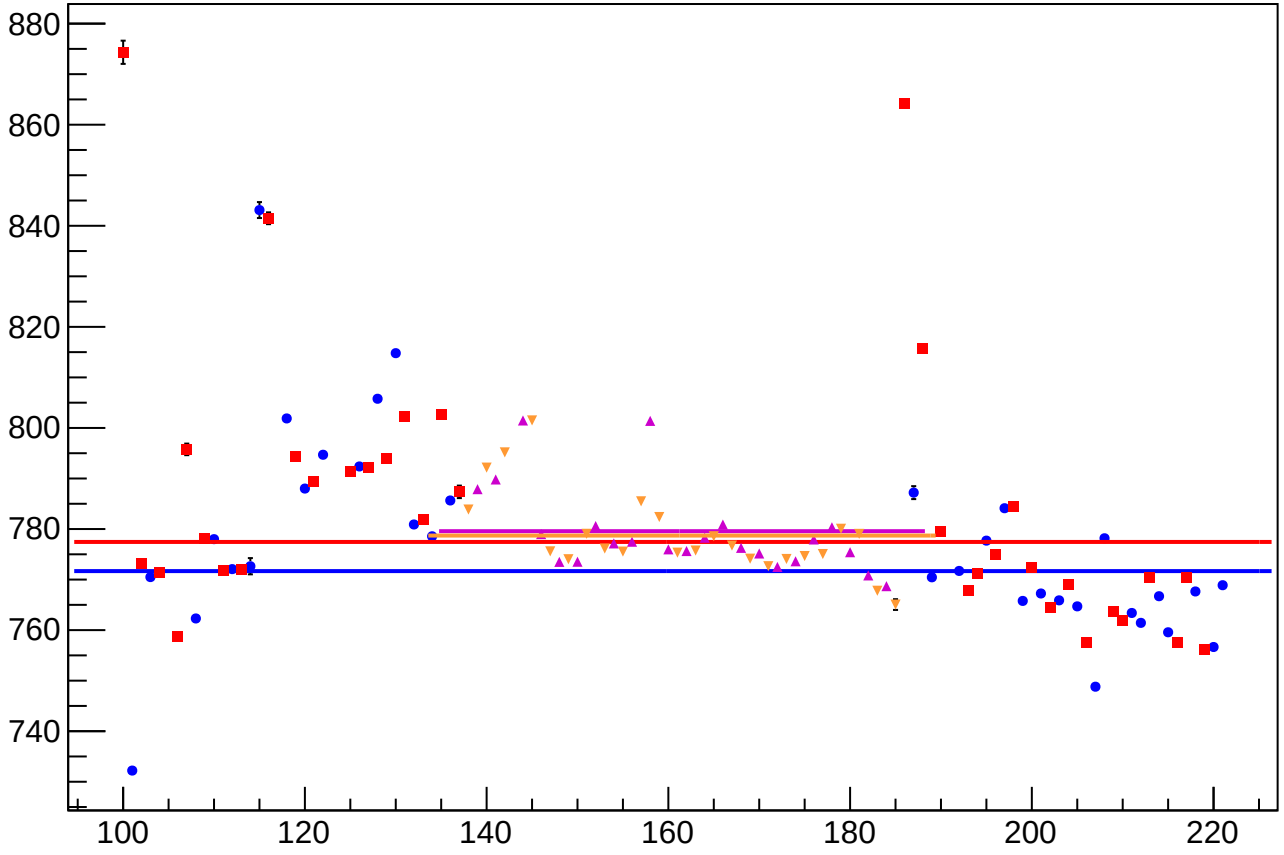
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2081.137+/-121.523 χ^2/NDF: 30.7/57

All: 24.888+/-86.747 χ^2/NDF: 668.7/115

- sign -2111.468+/-123.867 χ^2/NDF: 54.2/57

reg_asym_us_avg_rms vs Slug



Right In: 771.677+/-0.116 χ^2/NDF: 19325.0/33

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

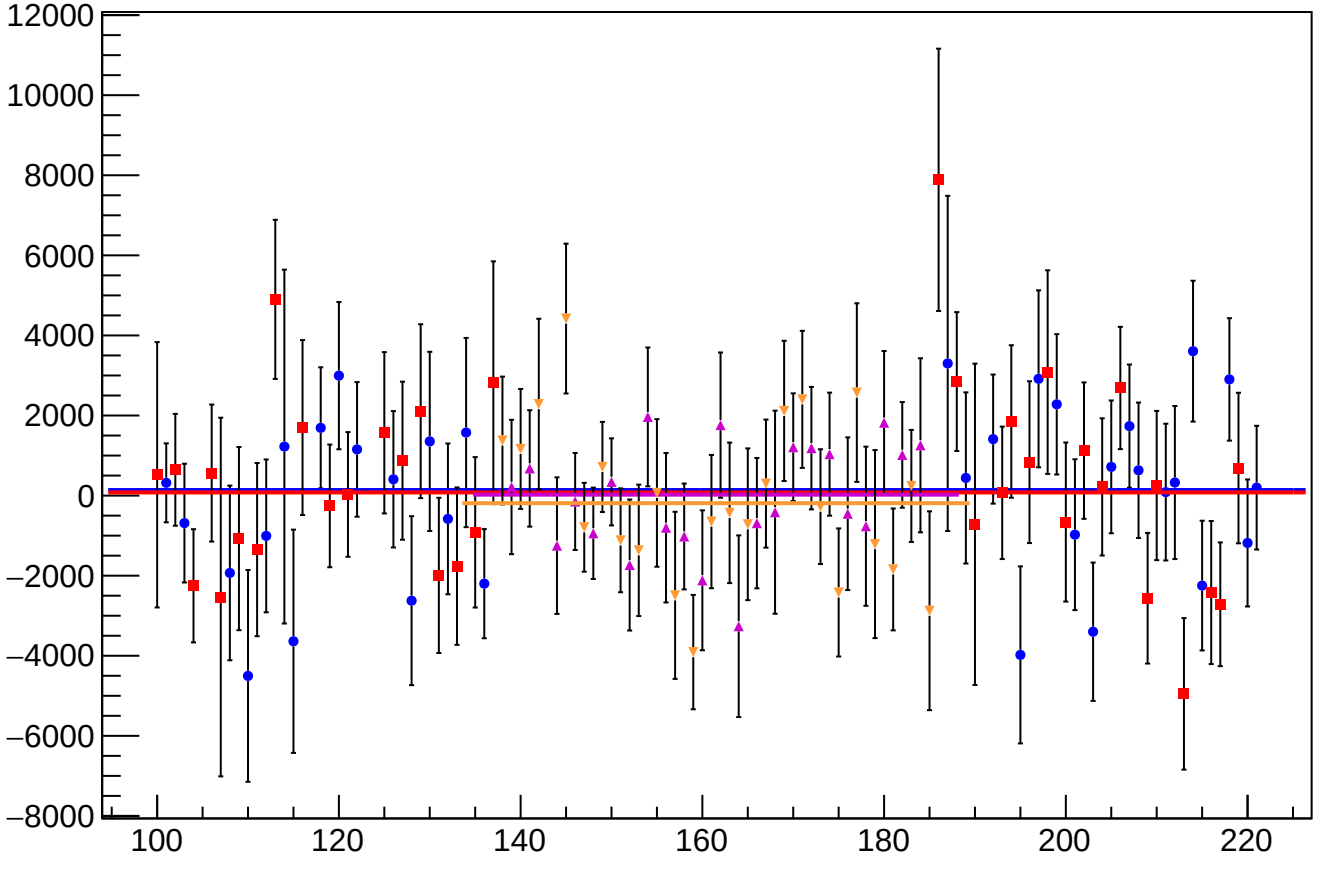
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 774.856+/-0.086 χ^2/NDF: 24373.2/57

All: 776.610+/-0.061 χ^2/NDF: 57863.7/115

- sign 778.432+/-0.088 χ^2/NDF: 32640.9/57

asym_us_avg_reg_correction_mean vs Slug



Right In: 138.957+/-303.438 χ^2/NDF: 39.5/33

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

Right Out: 79.537+/-321.260 χ^2/NDF: 44.3/34

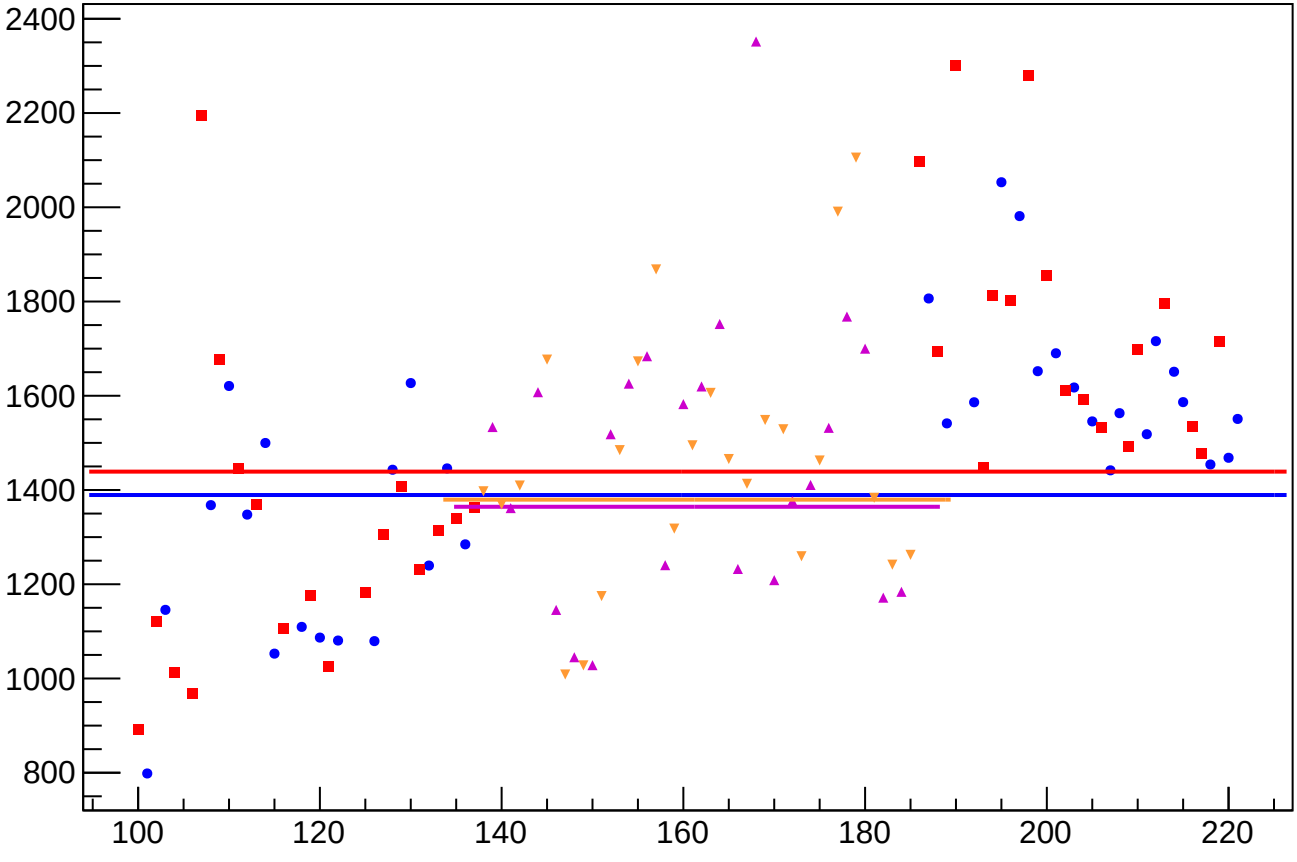
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -12.448+/-222.639 χ^2/NDF: 69.7/57

All: 18.920+/-159.548 χ^2/NDF: 127.5/115

- sign 52.036+/-228.756 χ^2/NDF: 57.8/57

asym_us_avg_reg_correction_rms vs Slug



Right In: 1389.373+/-0.215 χ^2/NDF: 1854857.3/33

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

Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

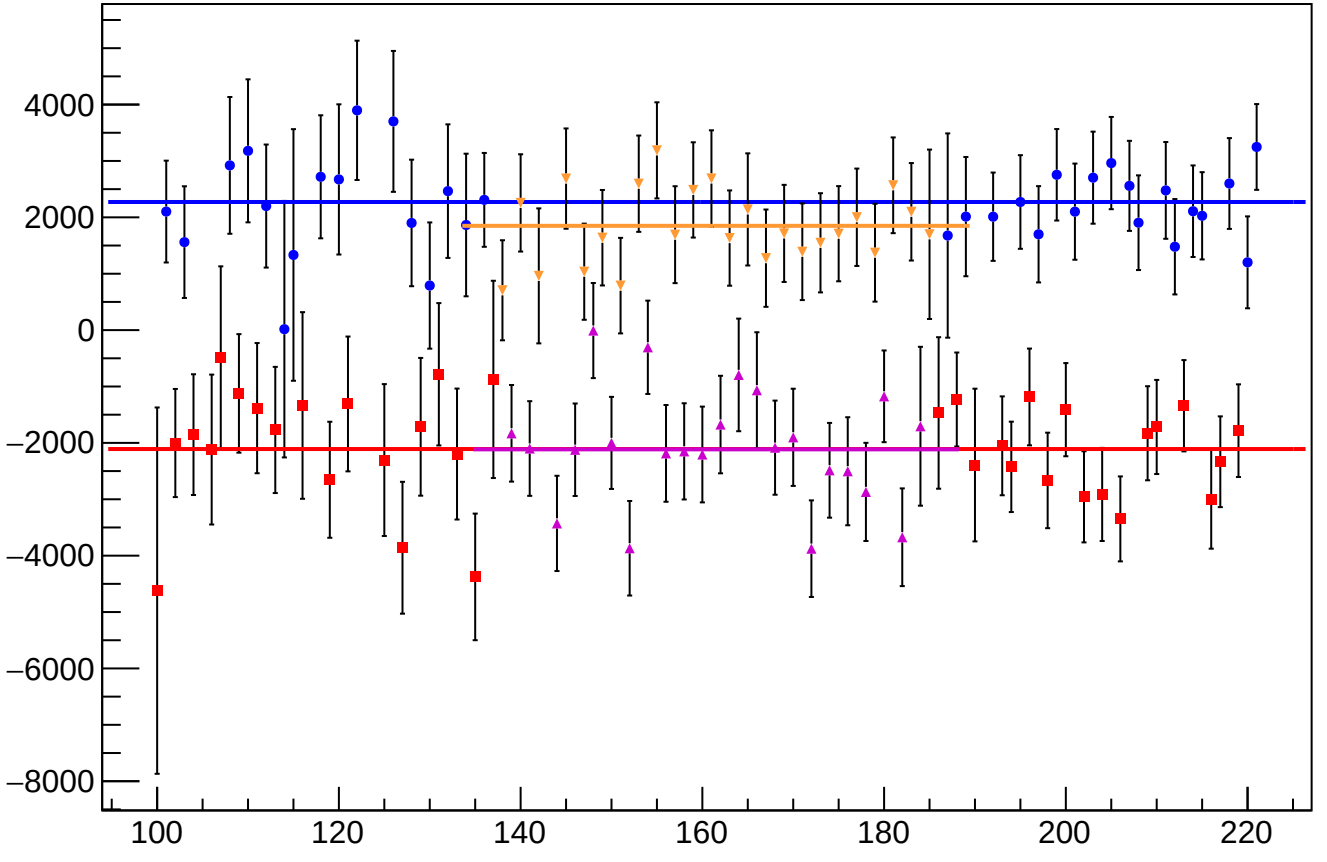
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1384.832+/-0.157 χ^2/NDF: 3014296.2/57

All: 1393.297+/-0.113 χ^2/NDF: 6156075.3/11

- sign 1402.234+/-0.162 χ^2/NDF: 3135834.9/57

cor_asym_us_avg_mean vs Slug



Right In: 2272.177+/-164.171 χ^2/NDF: 14.9/33

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

Right Out: -2108.904+/-169.042 χ^2/NDF: 23.1/34

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

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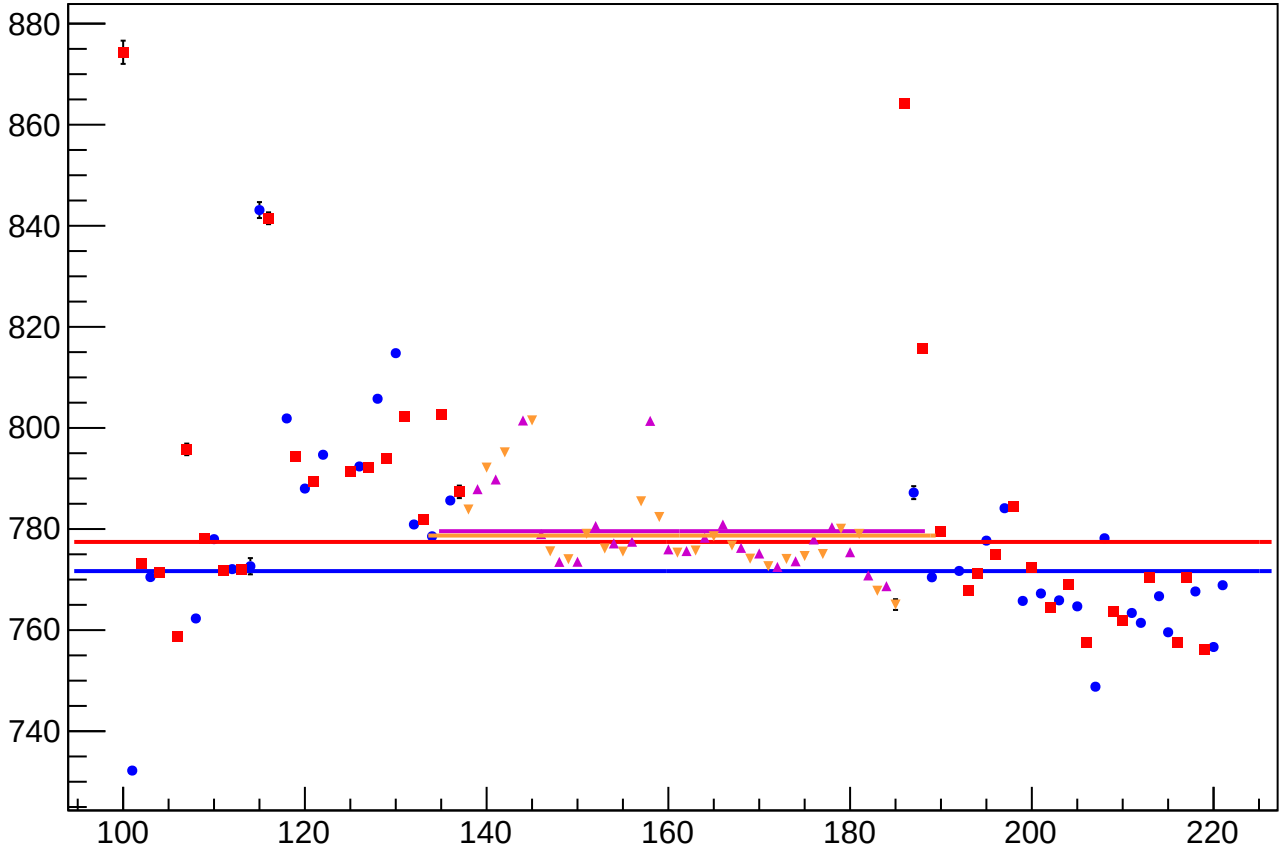
All: 24.888+/-86.747 χ^2/NDF: 668.7/115

- sign -2111.468+/-123.867 χ^2/NDF: 54.2/57

cor_asym_us_avg_rms vs Slug



Right In: 771.677+/-0.116 χ^2/NDF: 19325.0/33

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

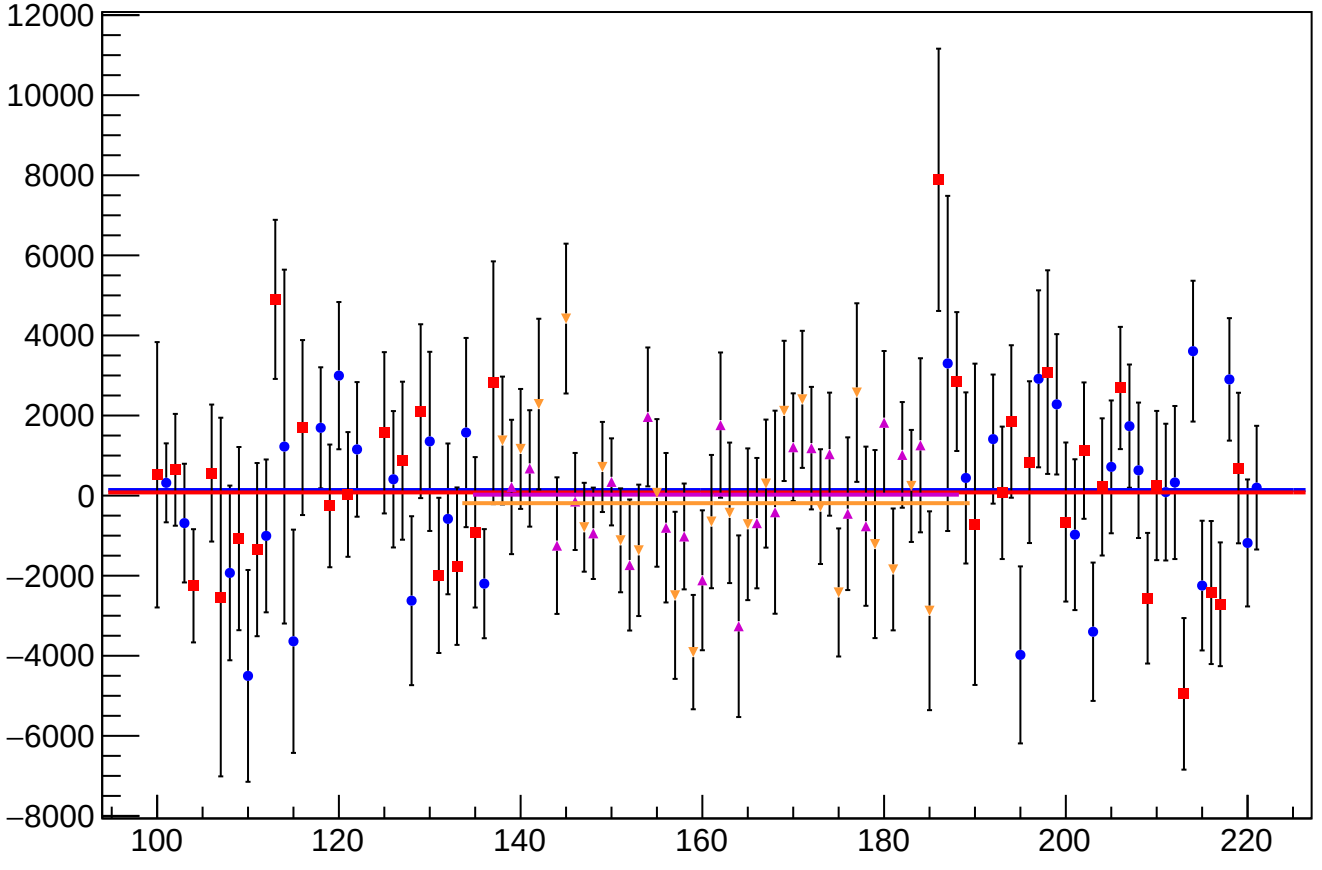
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 774.856+/-0.086 χ^2/NDF: 24373.2/57

All: 776.610+/-0.061 χ^2/NDF: 57863.7/115

- sign 778.432+/-0.088 χ^2/NDF: 32640.9/57

asym_us_avg_cor_correction_mean vs Slug



Right In: 138.957+/-303.438 χ^2/NDF: 39.5/33

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

Right Out: 79.537+/-321.260 χ^2/NDF: 44.3/34

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

+ sign -12.448+/-222.639 χ^2/NDF: 69.7/57

All: 18.920+/-159.548 χ^2/NDF: 127.5/115

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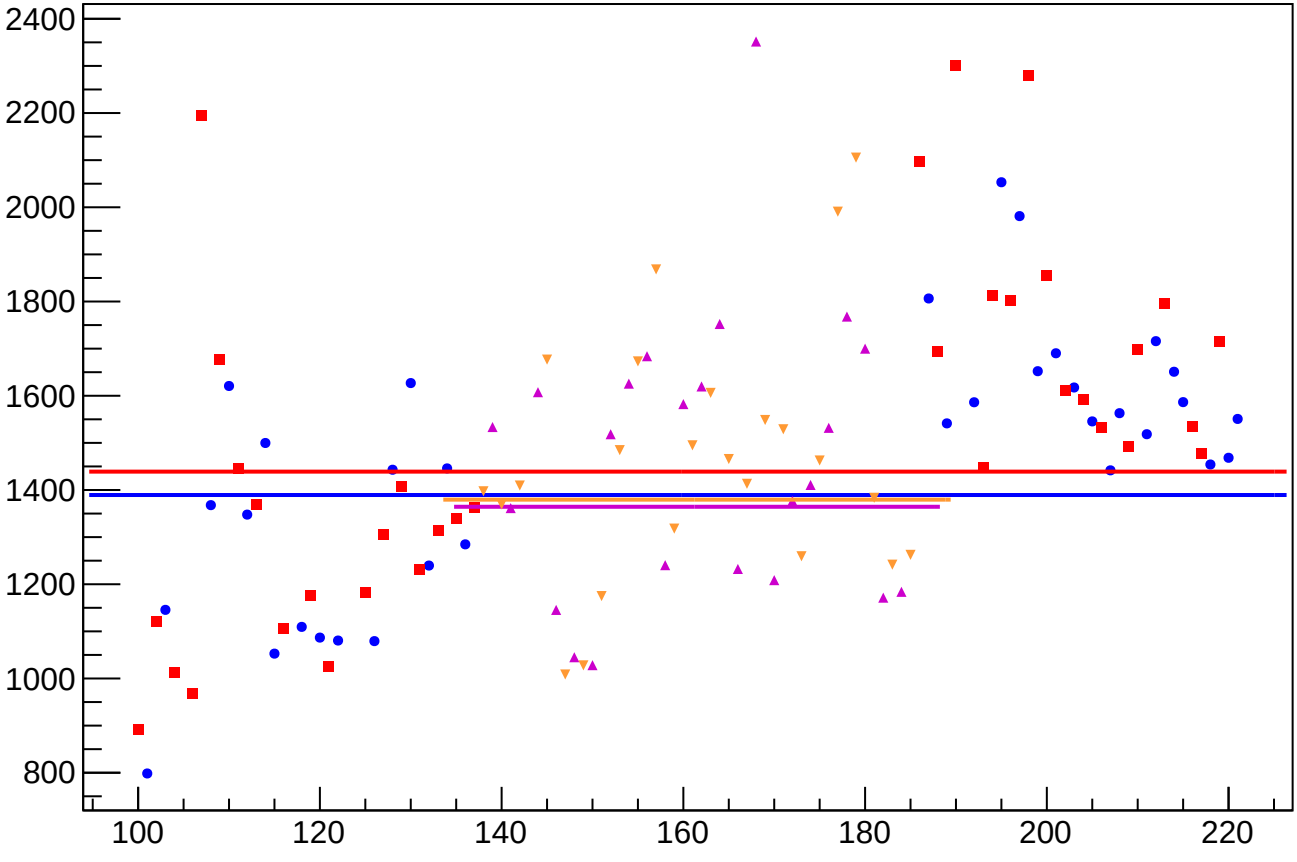
asym_us_avg_cor_correction_rms vs Slug



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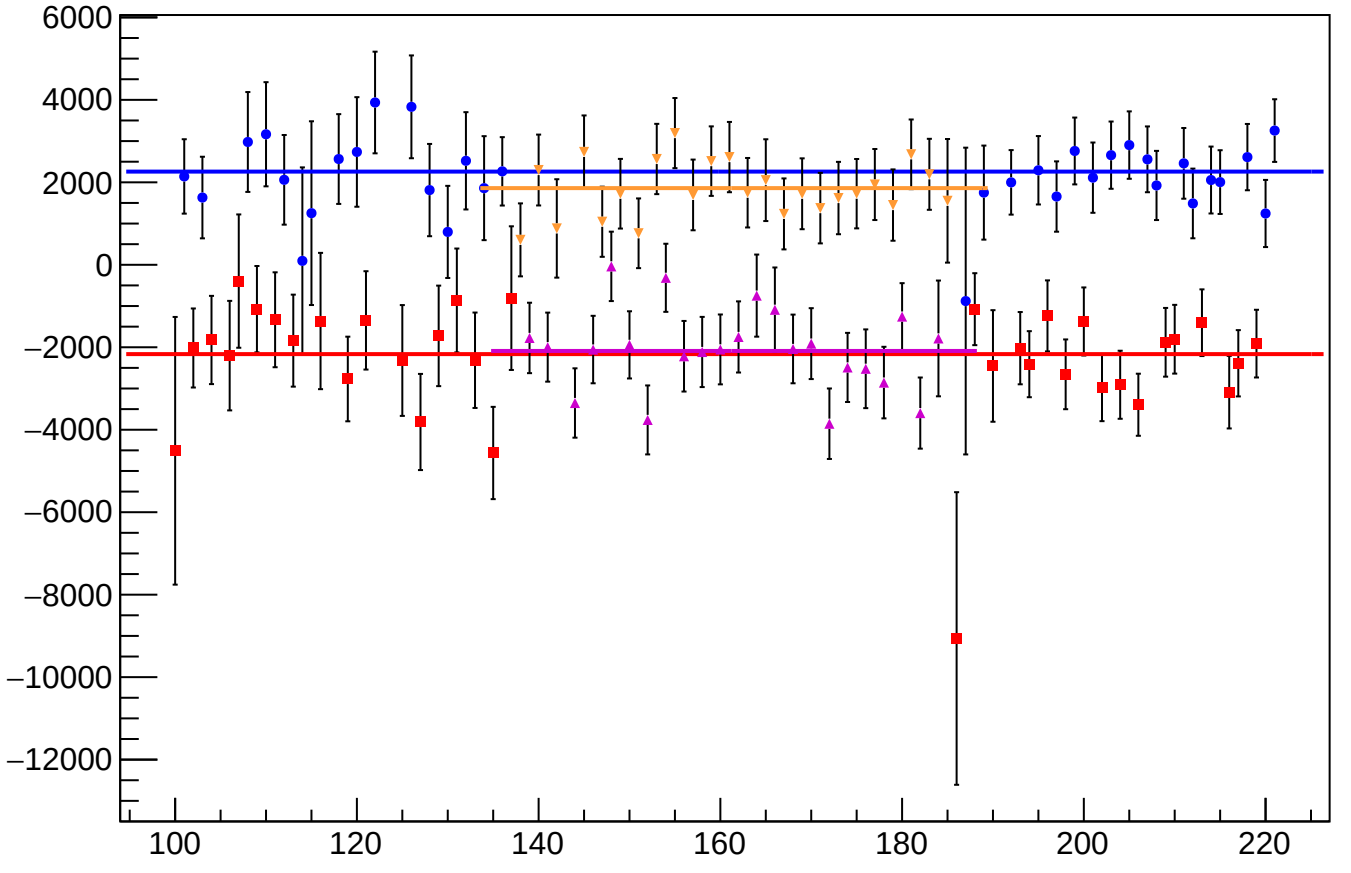
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1384.832+/-0.157 χ^2/NDF: 3014296.2/57

All: 1393.297+/-0.113 χ^2/NDF: 6156075.3/11

- sign 1402.234+/-0.162 χ^2/NDF: 3135834.9/57

overload_cor_asym_us_avg_mean vs Slug



Right In: 2260.178+/-164.731 χ^2/NDF: 15.7/33

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

Right Out: -2165.929+/-170.304 χ^2/NDF: 27.9/34

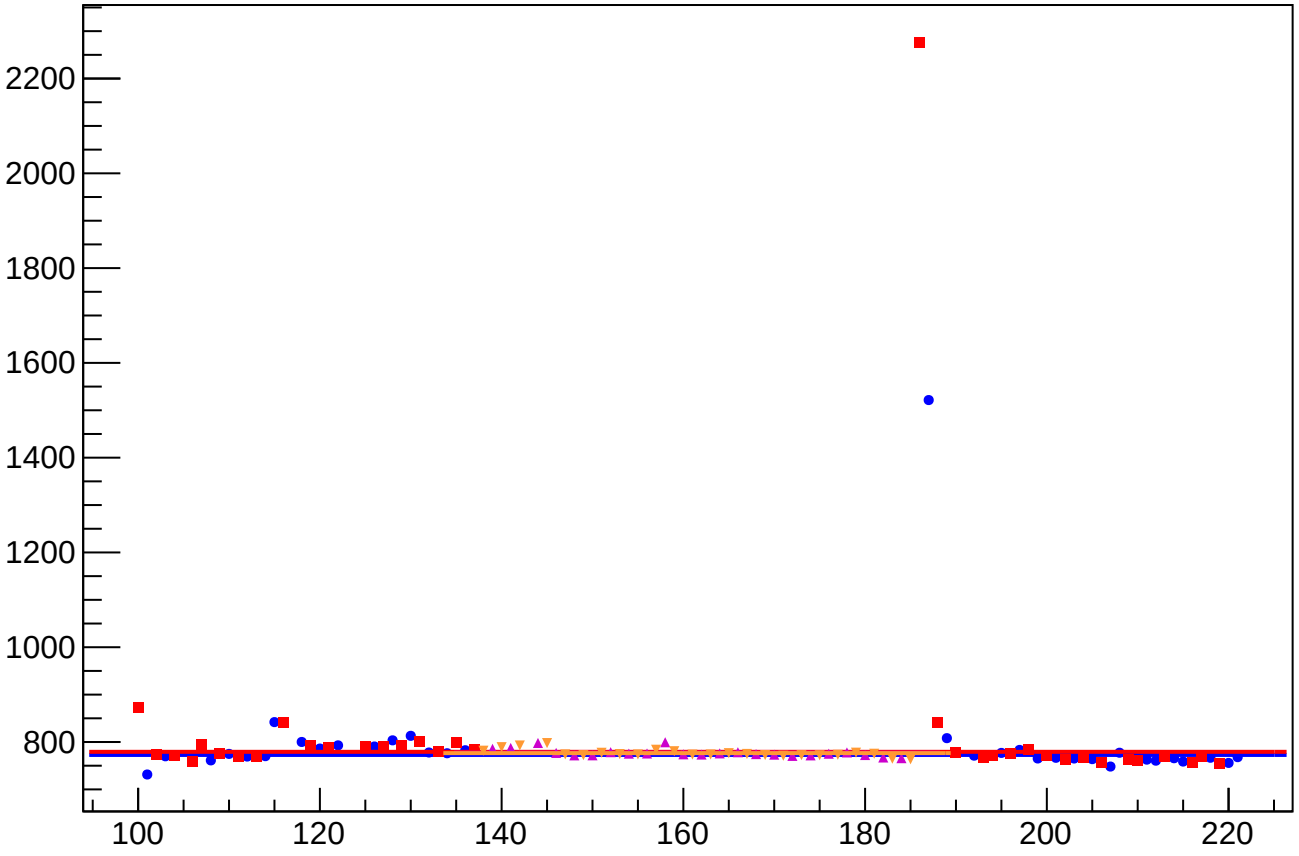
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2077.818+/-121.594 χ^2/NDF: 31.9/57

All: 18.448+/-86.886 χ^2/NDF: 675.7/115

- sign -2130.146+/-124.200 χ^2/NDF: 57.6/57

overload_cor_asym_us_avg_rms vs Slug



Right In: 772.709+/-0.116 χ^2/NDF: 101717.5/33

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

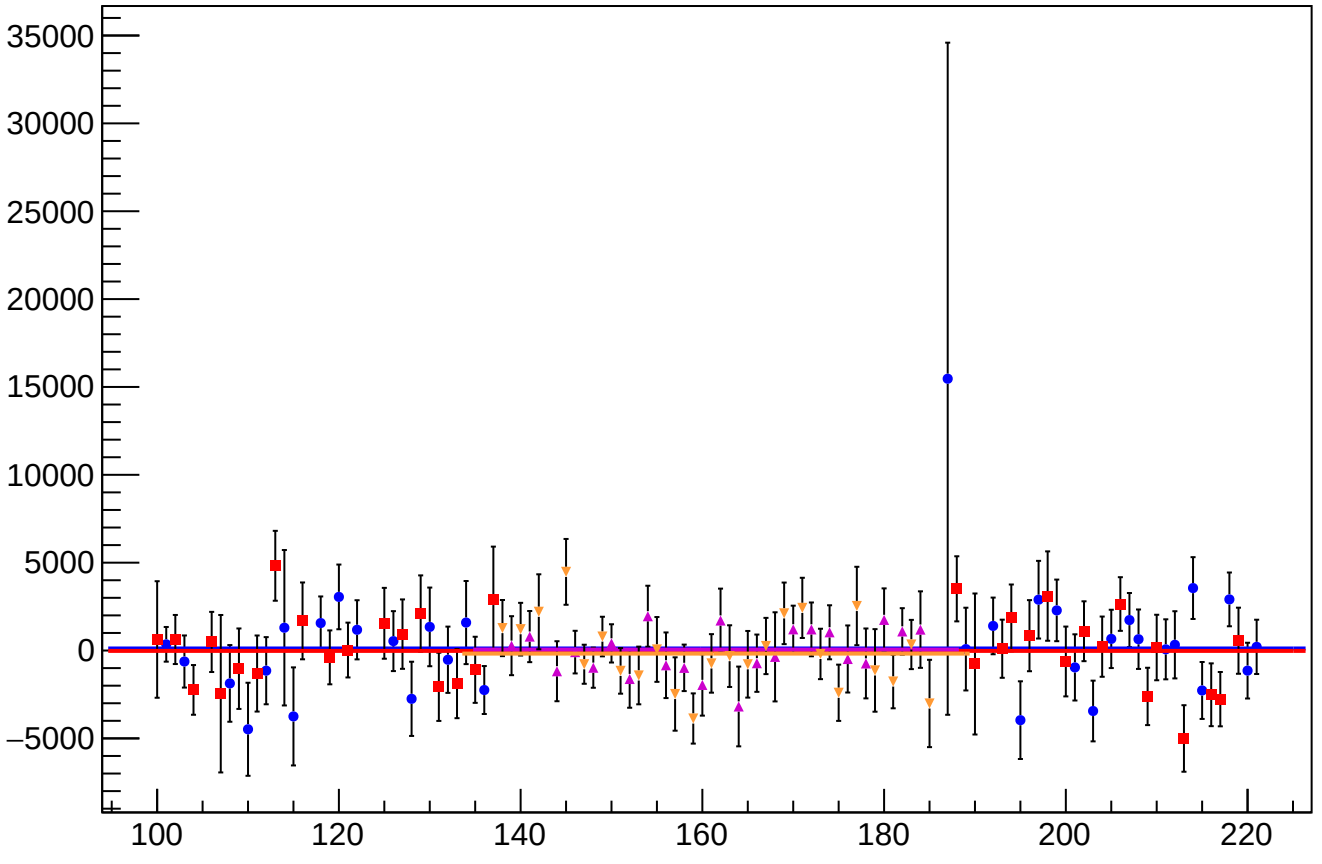
Right Out: 779.303+/-0.120 χ^2/NDF: 382786.5/34

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

+ sign 774.445+/-0.086 χ^2/NDF: 105342.5/57

All: 776.389+/-0.061 χ^2/NDF: 493351.7/115

- sign 778.418+/-0.088 χ^2/NDF: 386964.0/57



Right In: 116.264+/-304.926 χ^2/NDF: 39.8/33

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

Right Out: -20.396+/-323.695 χ^2/NDF: 39.9/33

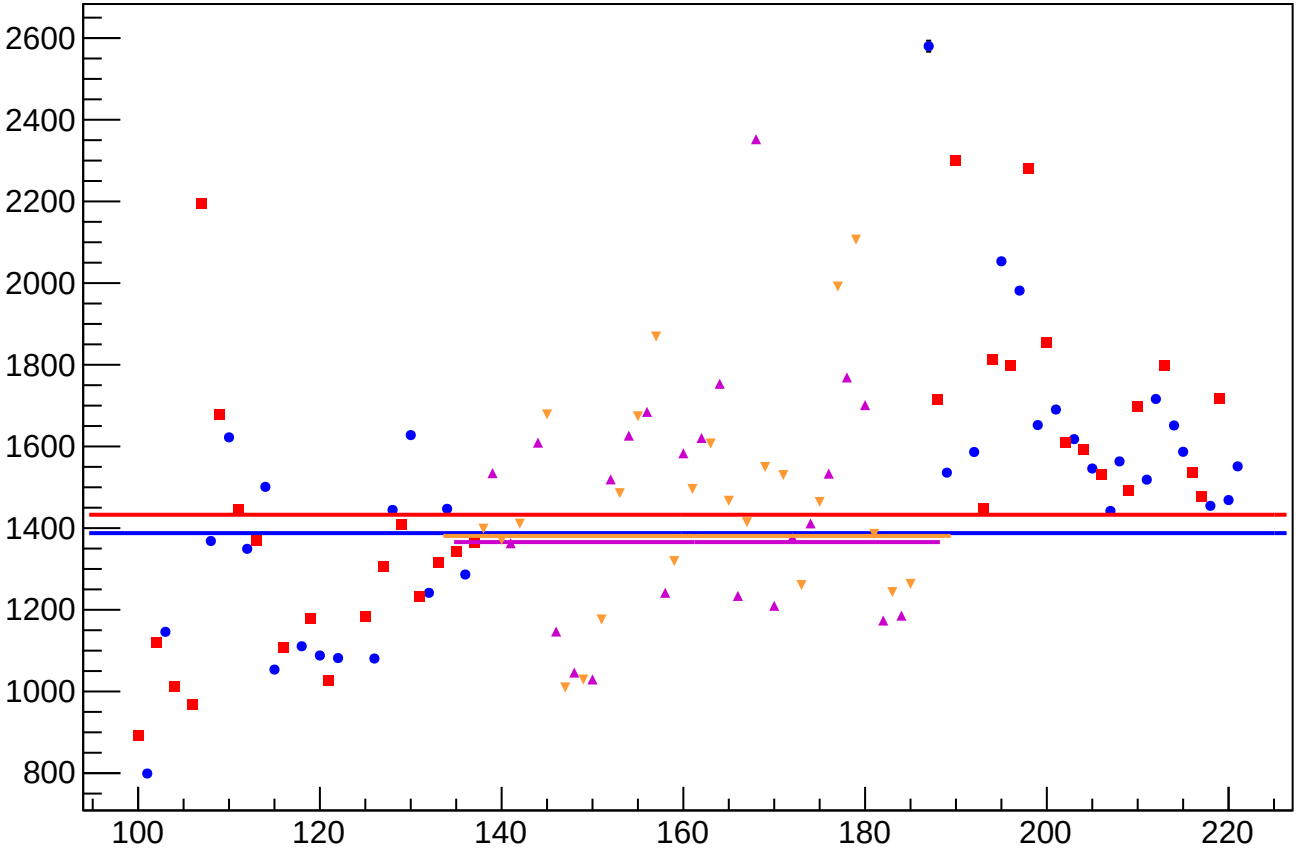
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -18.736+/-223.325 χ^2/NDF: 69.8/57

All: -1.890+/-160.135 χ^2/NDF: 122.7/114

- sign 15.938+/-229.741 χ^2/NDF: 52.9/56

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1387.755+/-0.216 χ^2/NDF: 1834873.0/33

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

Right Out: 1432.793+/-0.229 χ^2/NDF: 1683006.6/33

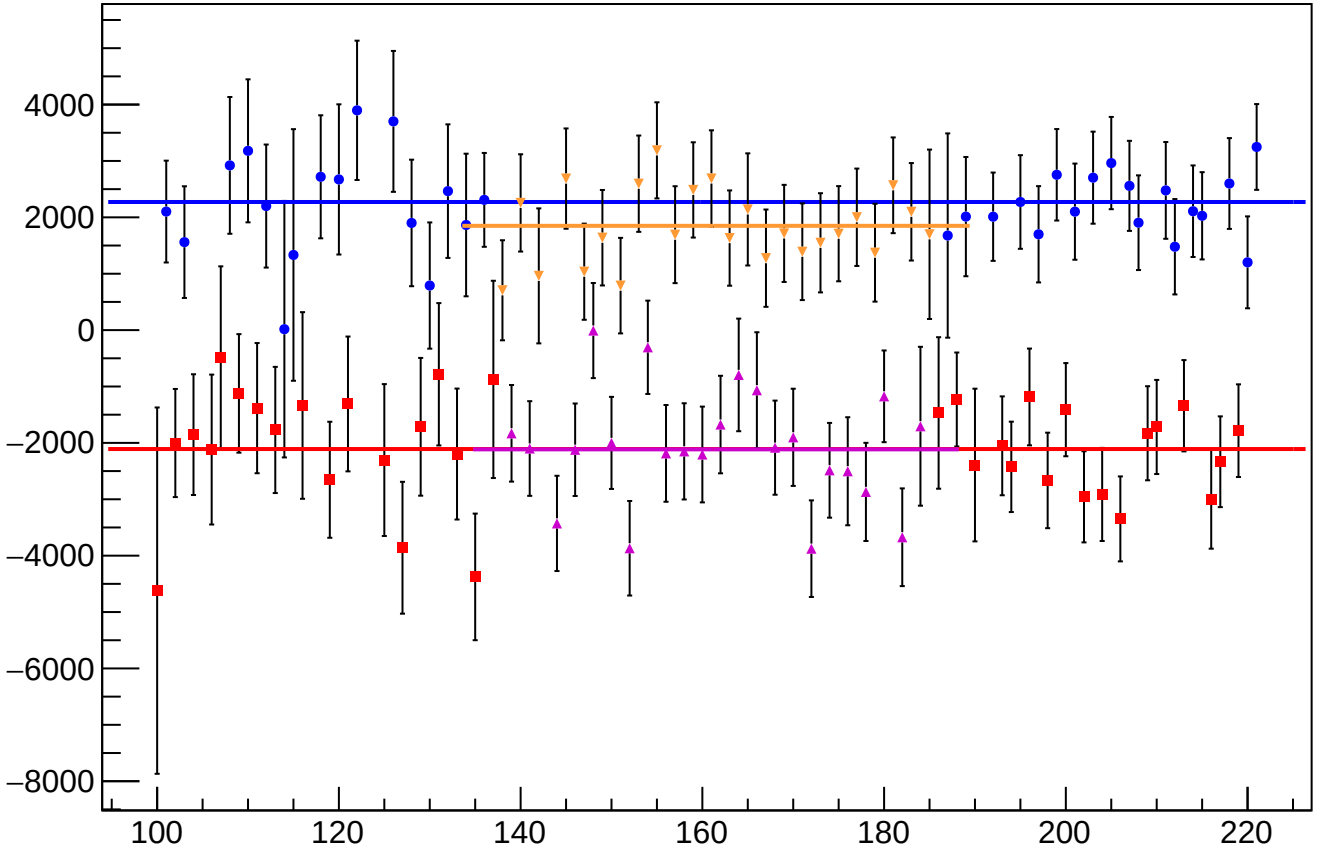
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1384.601+/-0.158 χ^2/NDF: 2990772.2/57

All: 1391.865+/-0.113 χ^2/NDF: 6029496.1/11

- sign 1399.553+/-0.162 χ^2/NDF: 3034368.7/56

eigen_cor_asym_us_avg_mean vs Slug



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

Right Out: -2108.904+/-169.042 χ^2/NDF: 23.1/34

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

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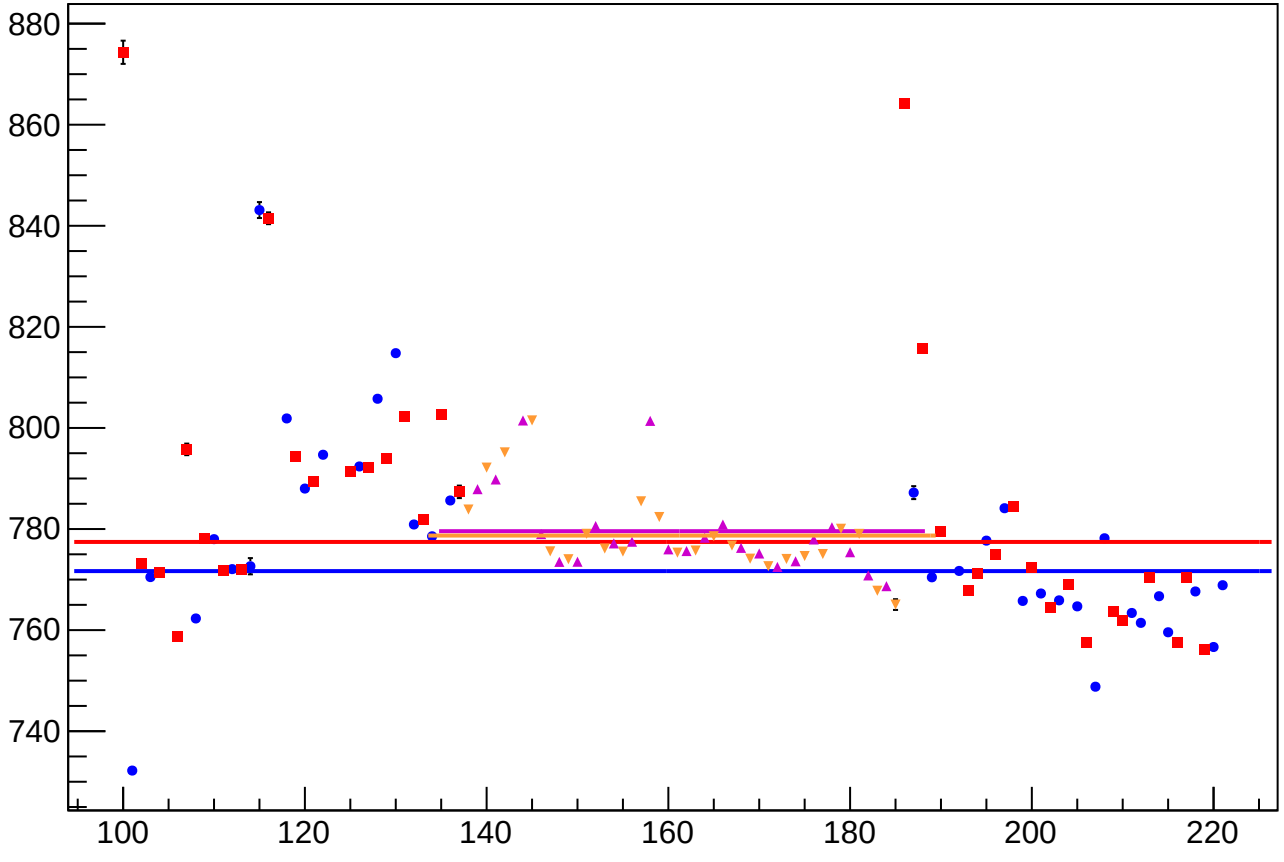
All: 24.888+/-86.747 χ^2/NDF: 668.7/115

- sign -2111.468+/-123.867 χ^2/NDF: 54.2/57

eigen_cor_asym_us_avg_rms vs Slug



Right In: 771.677+/-0.116 χ^2/NDF: 19325.0/33

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

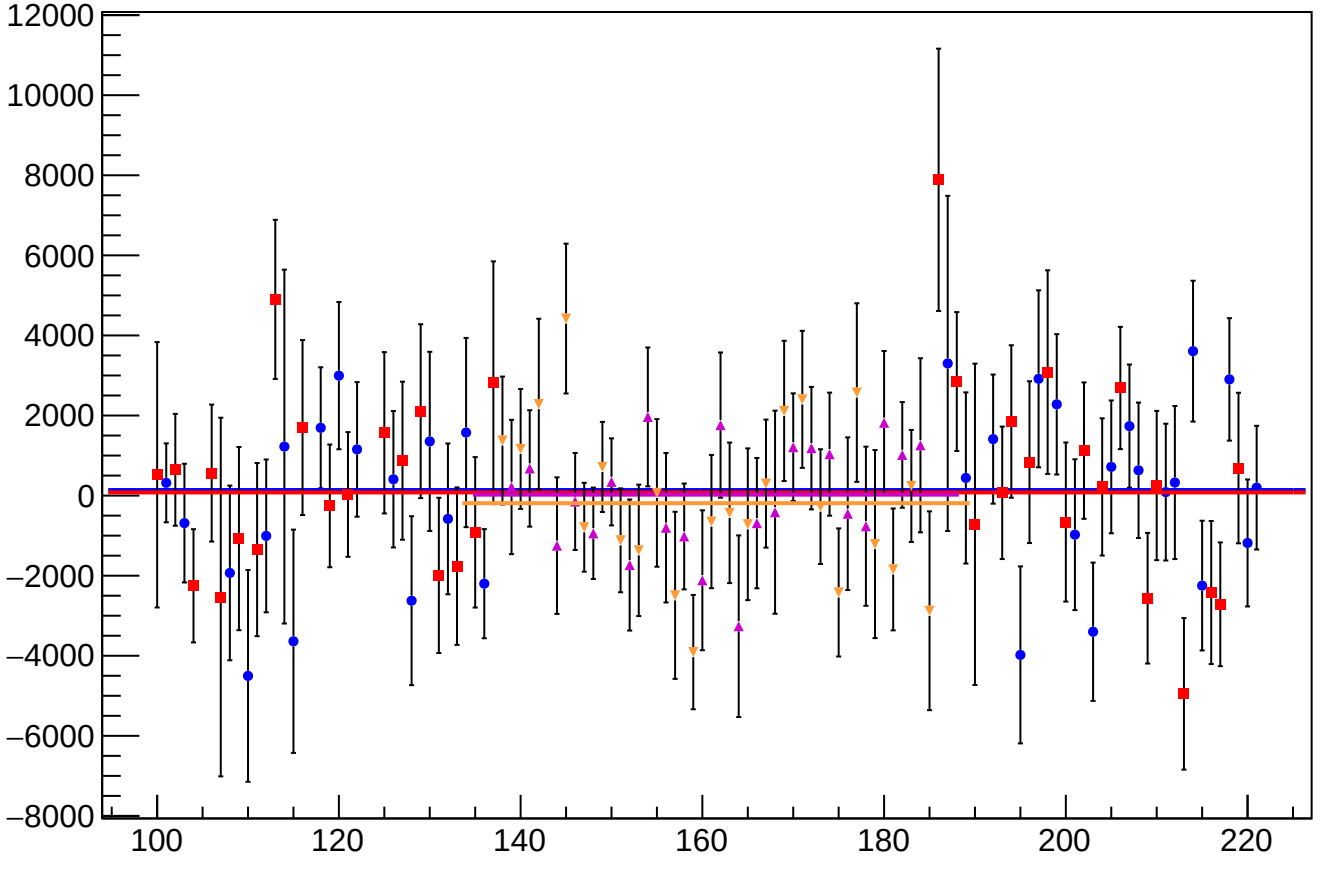
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 774.856+/-0.086 χ^2/NDF: 24373.2/57

All: 776.610+/-0.061 χ^2/NDF: 57863.7/115

\- sign 778.432+/-0.088 χ^2/NDF: 32640.9/57

asym_us_avg_eigen_cor_correction_mean vs Slug



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

Right Out: 79.537+/-321.260 χ^2/NDF: 44.3/34

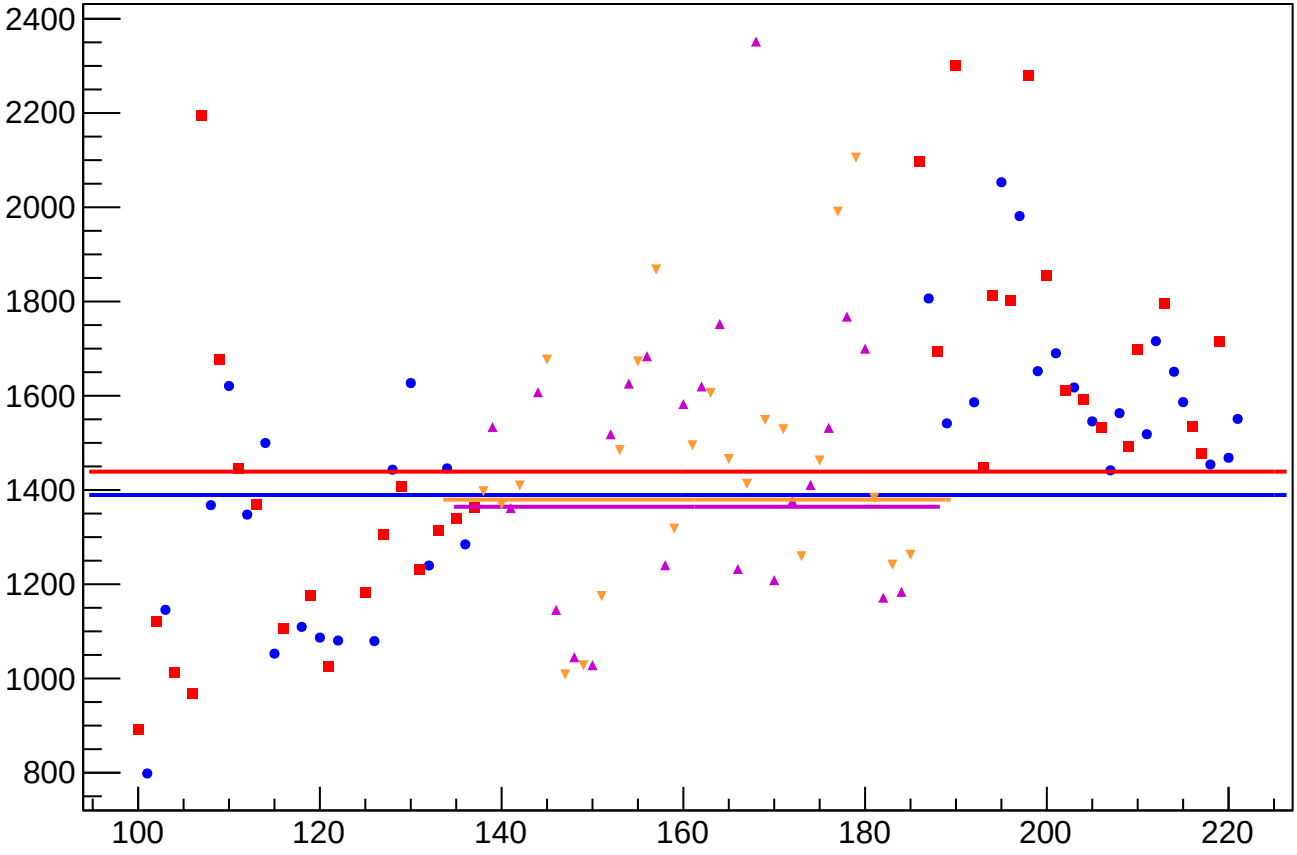
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -12.448+/-222.639 χ^2/NDF: 69.7/57

All: 18.920+/-159.548 χ^2/NDF: 127.5/115

- sign 52.036+/-228.756 χ^2/NDF: 57.8/57

asym_us_avg_eigen_cor_correction_rms vs Slug



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

Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

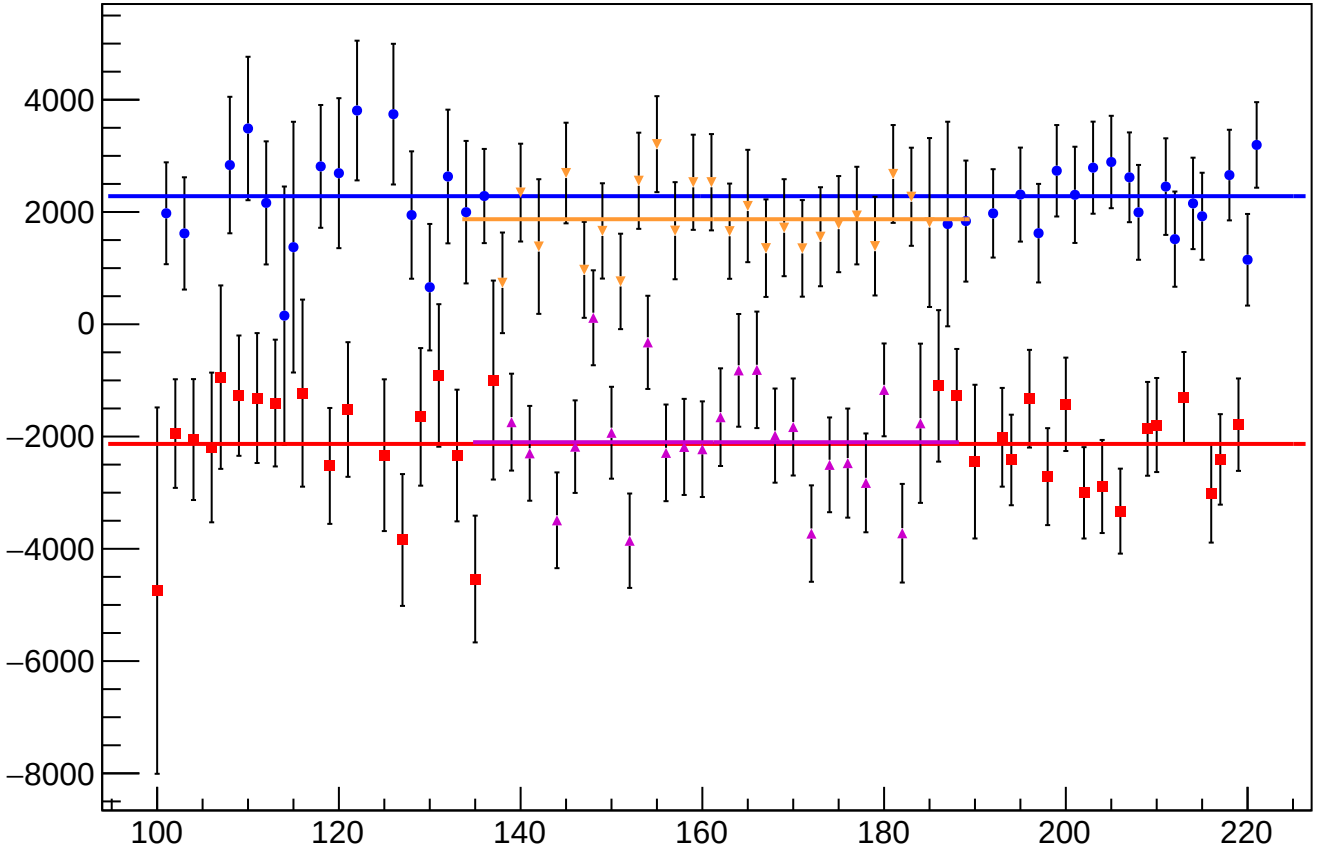
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1384.832+/-0.157 χ^2/NDF: 3014296.2/57

All: 1393.297+/-0.113 χ^2/NDF: 6156075.3/11

- sign 1402.234+/-0.162 χ^2/NDF: 3135834.9/57

dit_asym_us_avg_mean vs Slug



Right In: 2281.831+/-165.119 χ^2/NDF: 15.3/33

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

Right Out: -2131.516+/-170.055 χ^2/NDF: 22.6/34

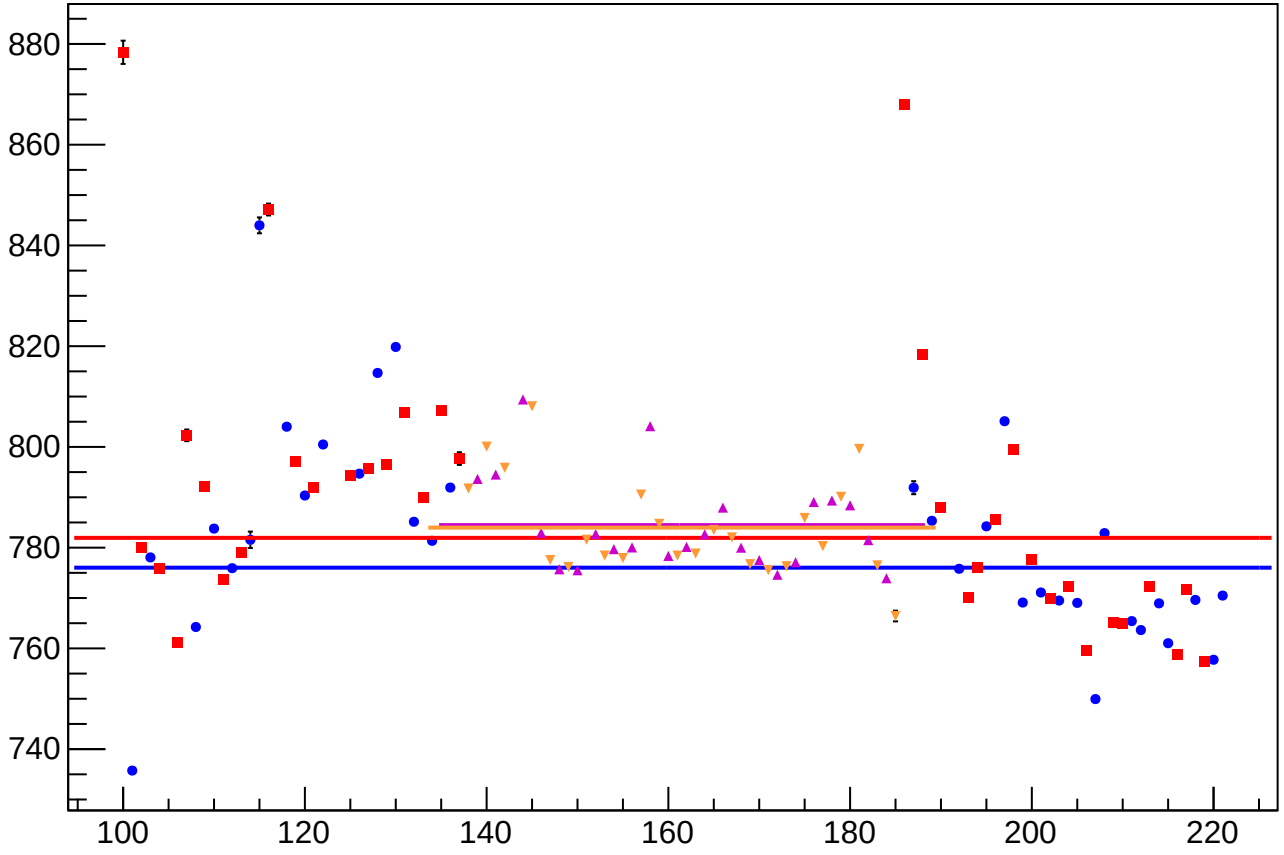
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2096.528+/-122.283 χ^2/NDF: 30.6/57

All: 29.587+/-87.285 χ^2/NDF: 667.5/115

- sign -2117.412+/-124.629 χ^2/NDF: 54.4/57

dit_asym_us_avg_rms vs Slug



Right In: 776.027+/-0.117 χ^2/NDF: 23341.0/33

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.5/34

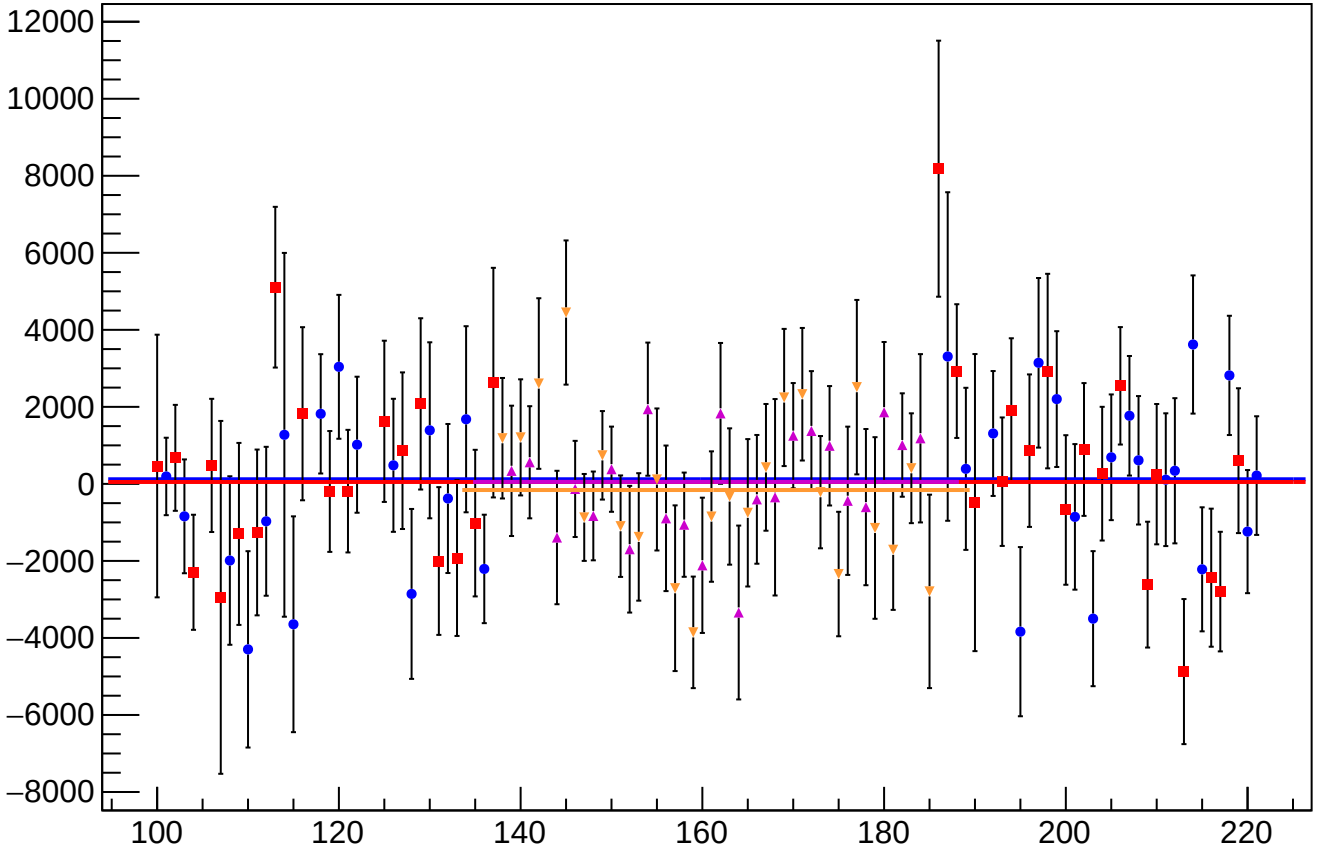
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 779.619+/-0.086 χ^2/NDF: 30364.9/57

All: 781.334+/-0.062 χ^2/NDF: 66802.6/115

- sign 783.116+/-0.088 χ^2/NDF: 35635.5/57

asym_us_avg_dit_correction_mean vs Slug



Right In: 119.958+/-306.507 χ^2/NDF: 39.0/33

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

Right Out: 49.802+/-324.020 χ^2/NDF: 44.3/34

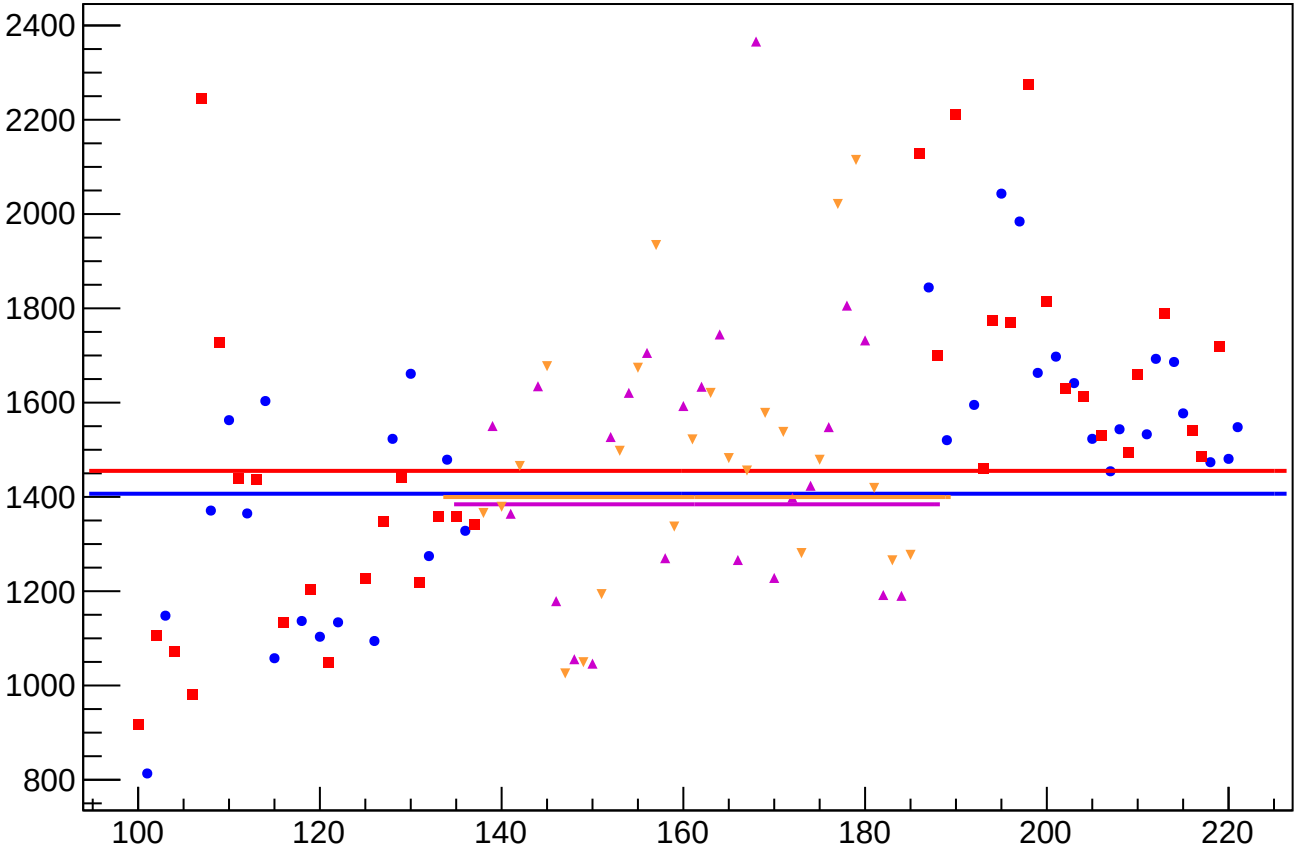
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -8.448+/-225.266 χ^2/NDF: 68.5/57

All: 20.430+/-161.369 χ^2/NDF: 126.3/115

- sign 50.868+/-231.273 χ^2/NDF: 57.7/57

asym_us_avg_dit_correction_rms vs Slug



Right In: 1406.753+/-0.217 χ^2/NDF: 1738419.6/33

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

Right Out: 1455.244+/-0.229 χ^2/NDF: 1604880.9/34

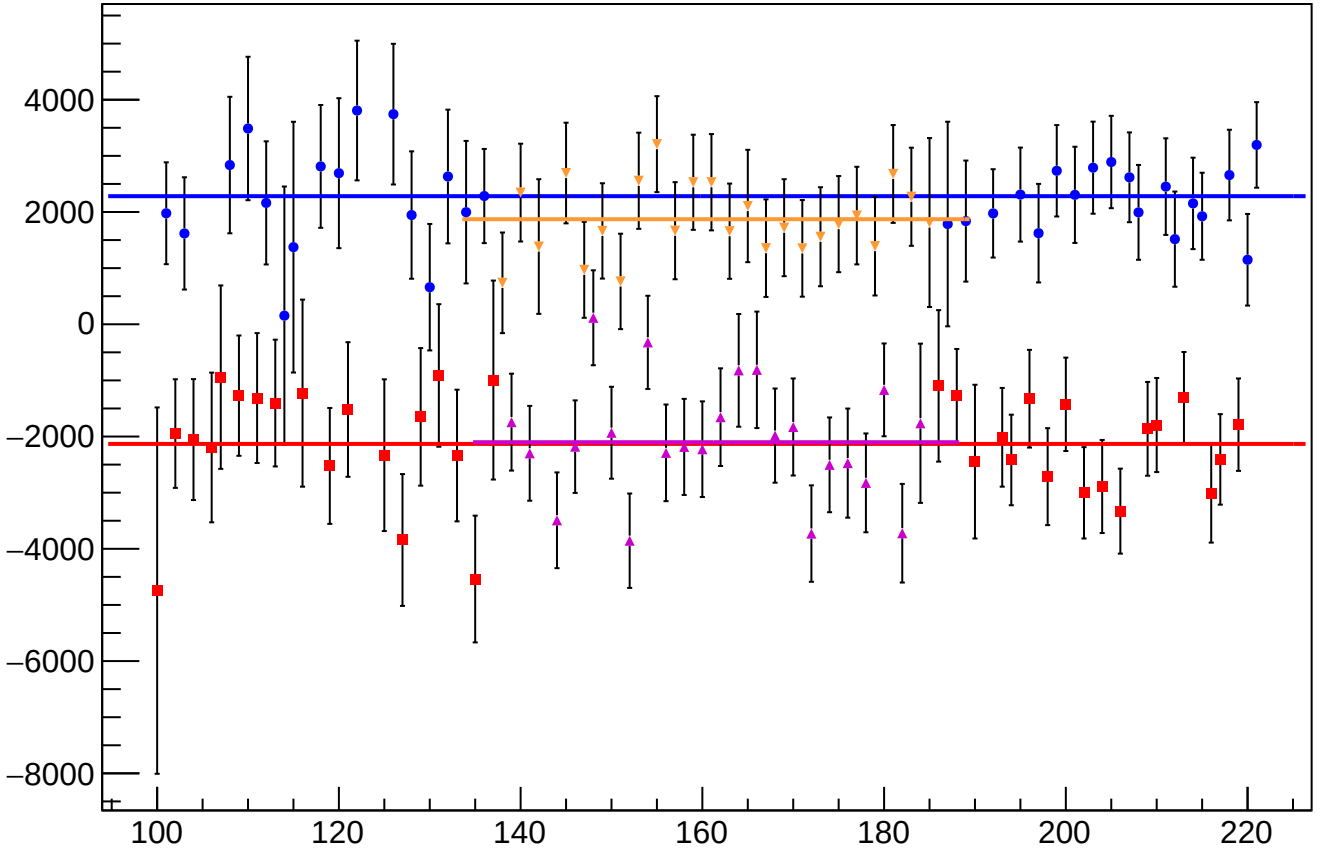
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1403.518+/-0.159 χ^2/NDF: 2875254.4/57

All: 1411.766+/-0.114 χ^2/NDF: 5802567.9/11

- sign 1420.459+/-0.164 χ^2/NDF: 2921806.0/57

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2281.831+/-165.119 χ^2/NDF: 15.3/33

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

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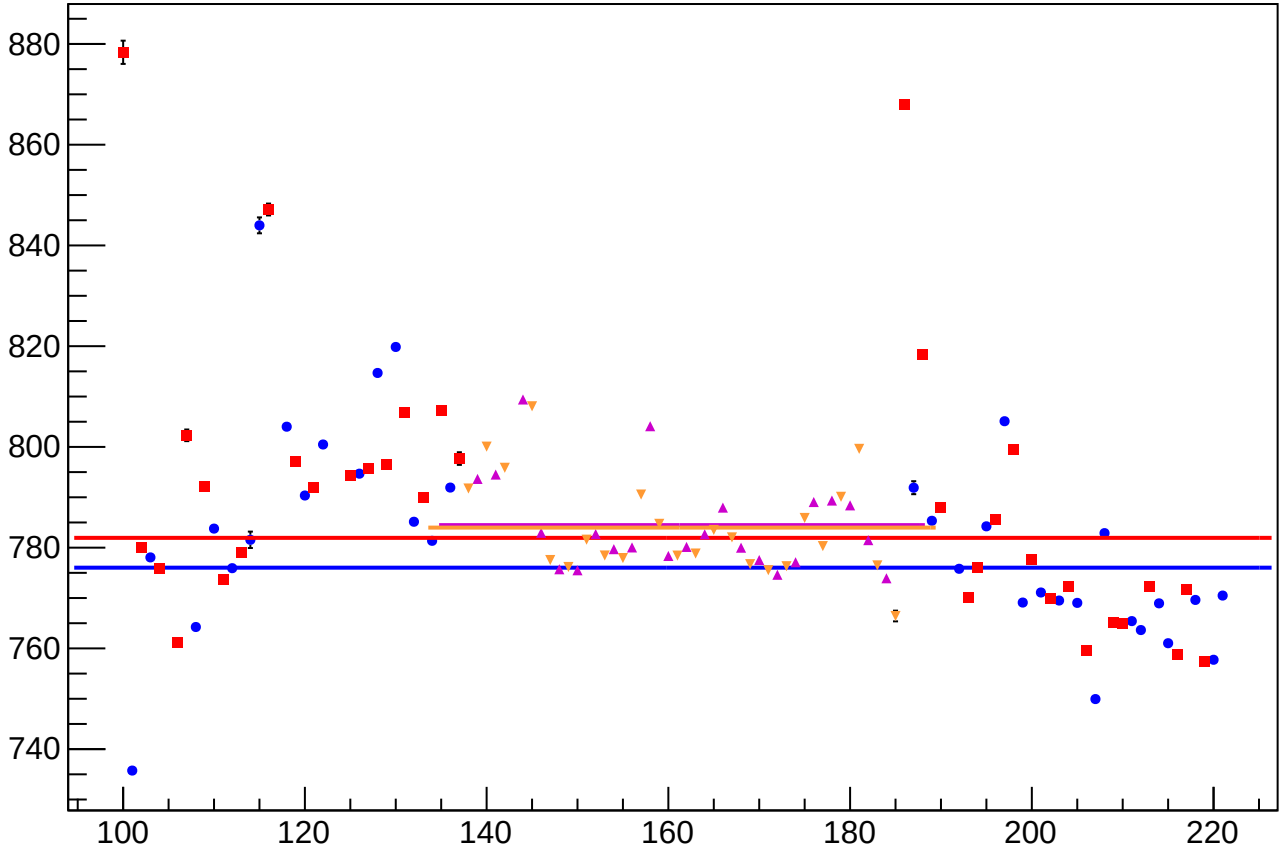
eigen_dit_asym_us_avg_rms vs Slug



Right In: 776.027+/-0.117 χ^2/NDF: 23340.9/33

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.4/34

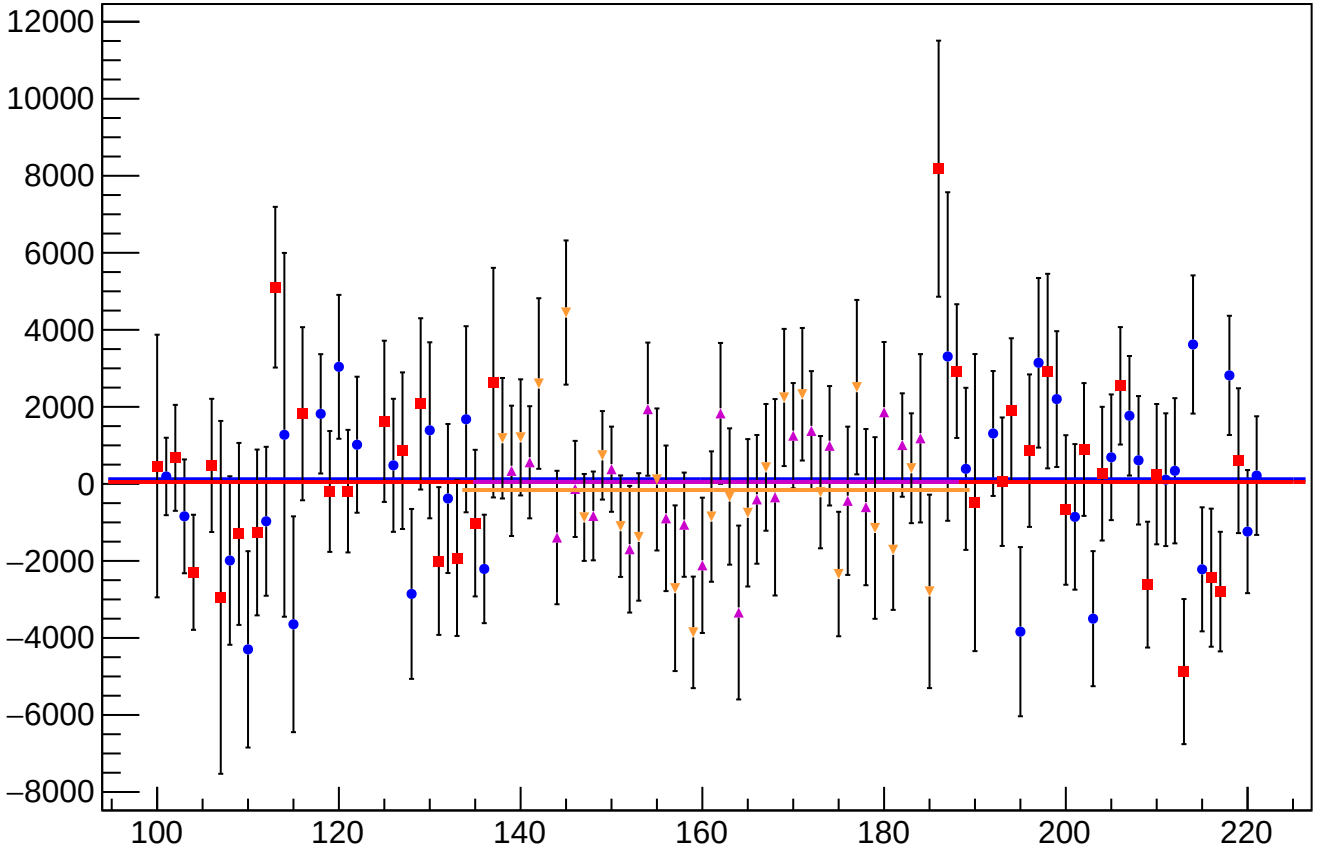
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 779.619+/-0.086 χ^2/NDF: 30364.8/57

All: 781.334+/-0.062 χ^2/NDF: 66802.4/115

- sign 783.116+/-0.088 χ^2/NDF: 35635.4/57

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 119.957+/-306.506 χ^2/NDF: 39.0/33

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

Right Out: 49.800+/-324.019 χ^2/NDF: 44.3/34

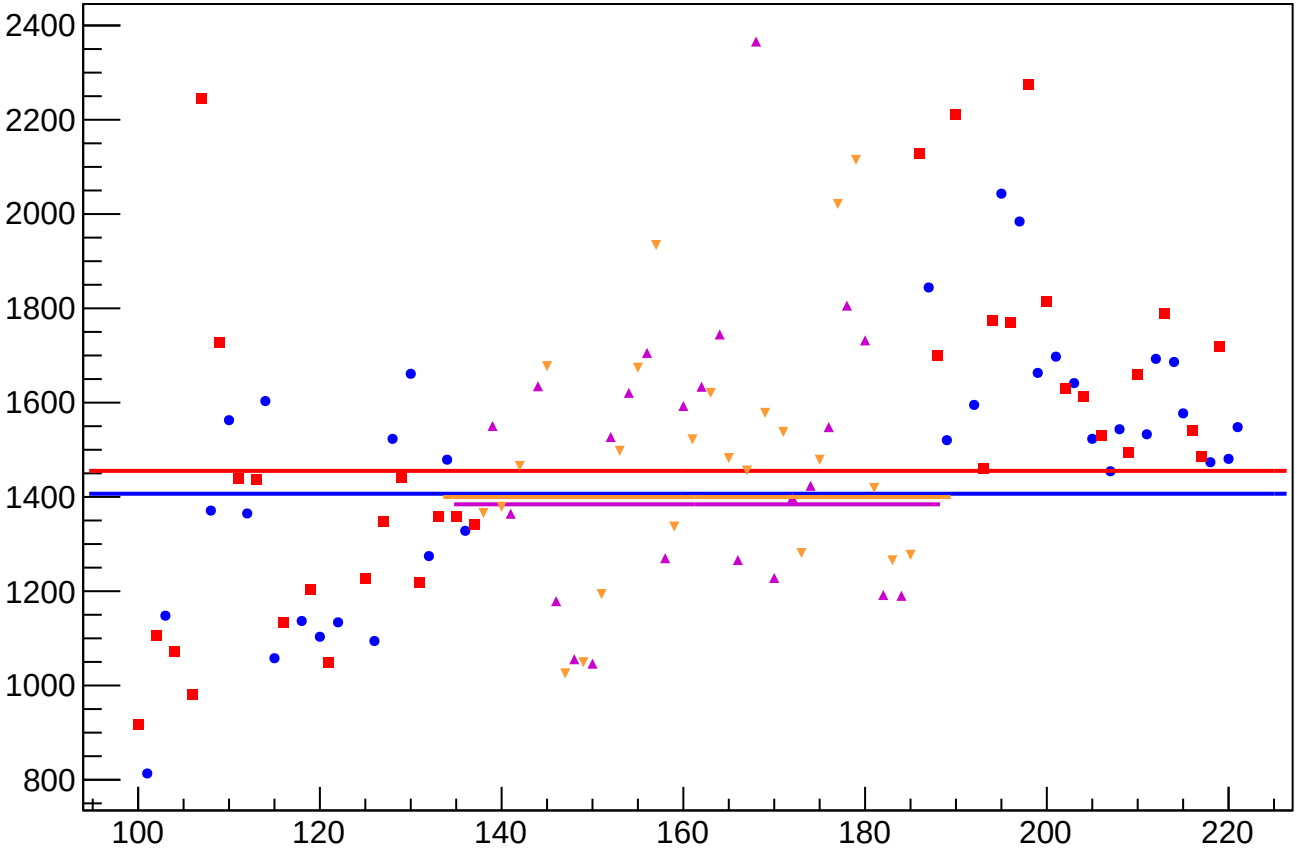
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -8.449+/-225.266 χ^2/NDF: 68.5/57

All: 20.429+/-161.369 χ^2/NDF: 126.3/115

\- sign 50.867+/-231.273 χ^2/NDF: 57.7/57

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1406.752+/-0.217 χ^2/NDF: 1738442.7/33

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

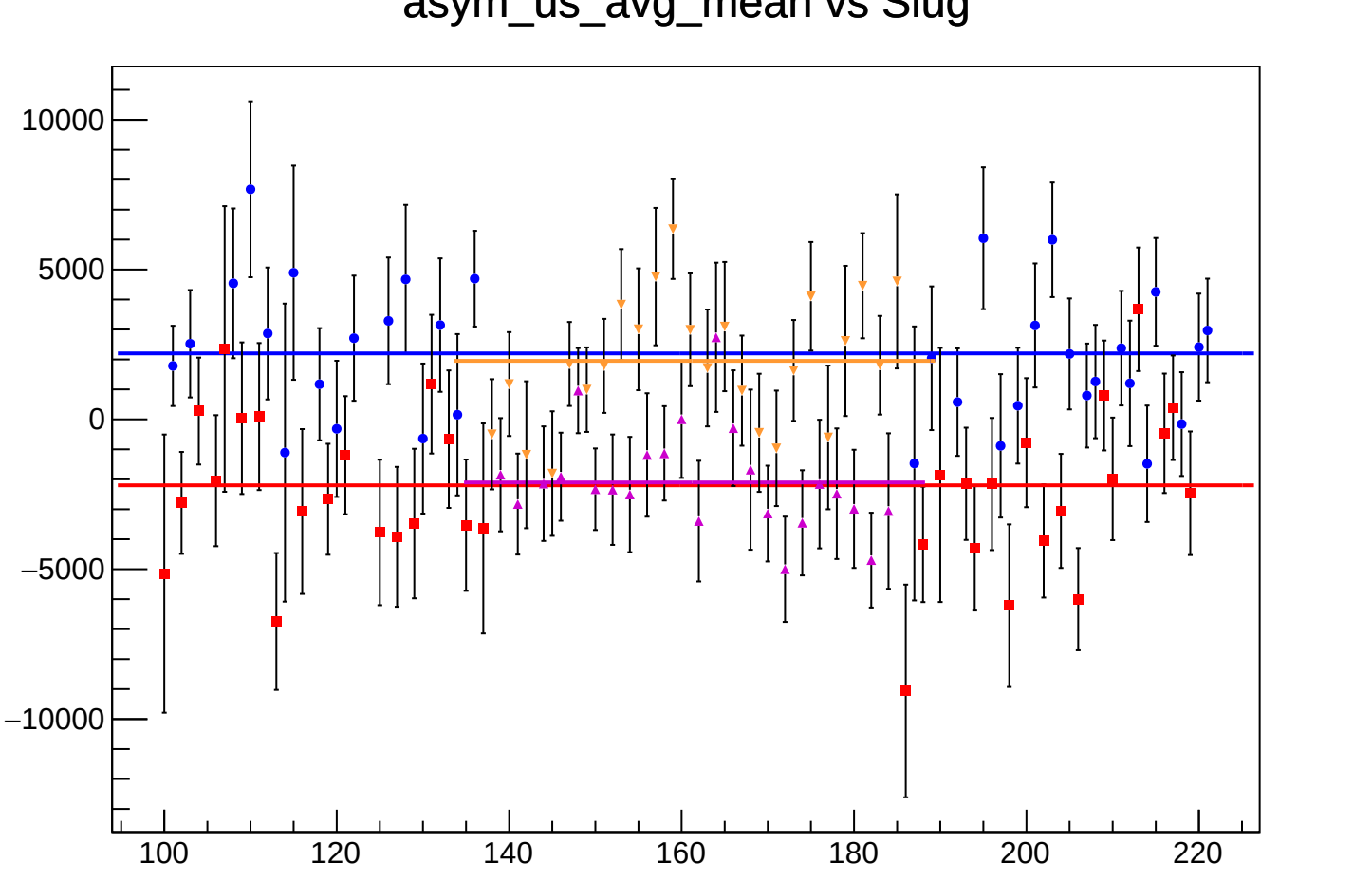
Right Out: 1455.243+/-0.229 χ^2/NDF: 1604903.1/34

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

+ sign 1403.518+/-0.159 χ^2/NDF: 2875278.2/57

All: 1411.766+/-0.114 χ^2/NDF: 5802608.6/11

- sign 1420.460+/-0.164 χ^2/NDF: 2921823.1/57



Right In: 2201.633+/-351.896 χ^2/NDF: 31.7/33

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

Right Out: -2200.610+/-369.993 χ^2/NDF: 42.1/34

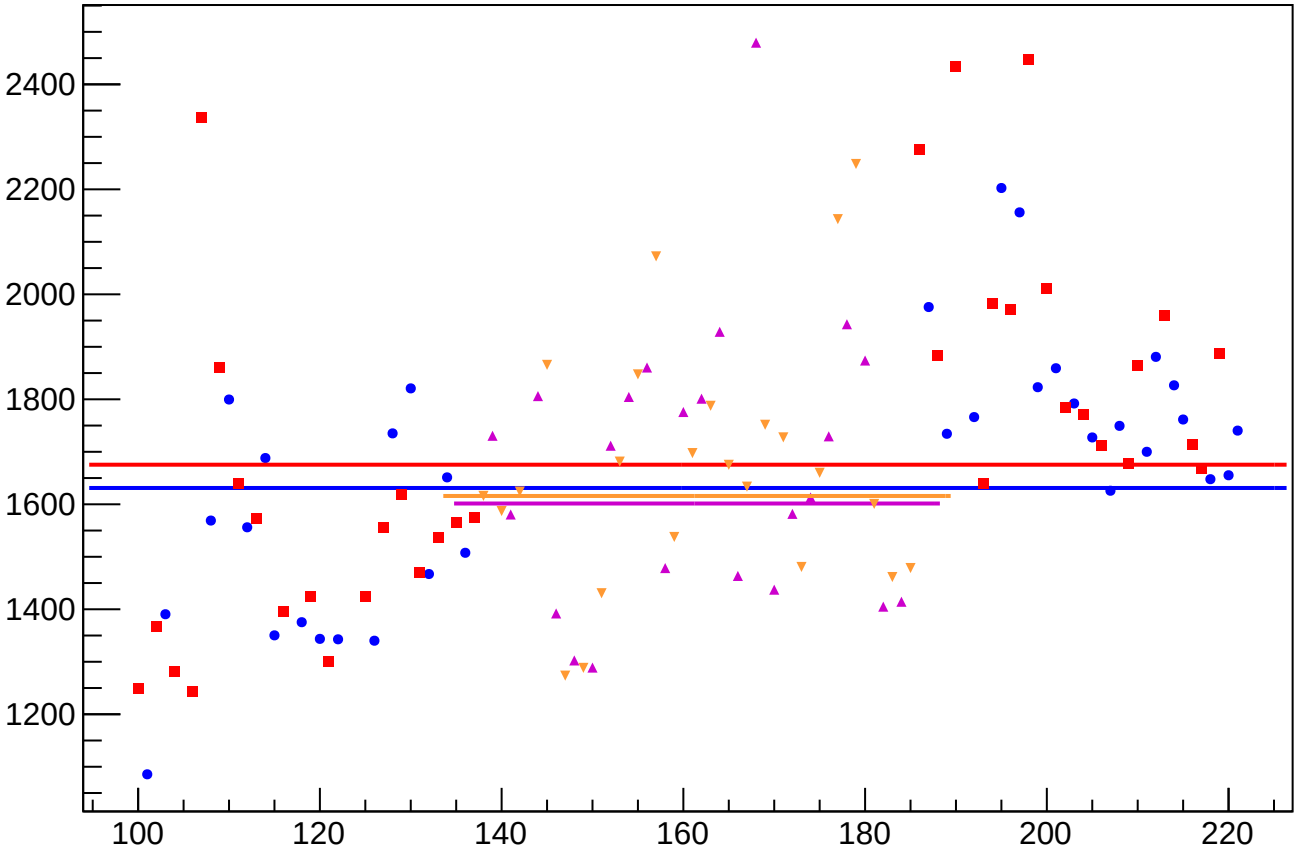
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2086.663+/-258.277 χ^2/NDF: 59.3/57

All: 18.880+/-184.882 χ^2/NDF: 251.5/115

- sign -2154.163+/-264.769 χ^2/NDF: 60.7/57

asym_us_avg_rms vs Slug



Right In: 1631.087+/-0.249 χ^2/NDF: 954769.1/33

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

Right Out: 1675.423+/-0.262 χ^2/NDF: 1022581.0/34

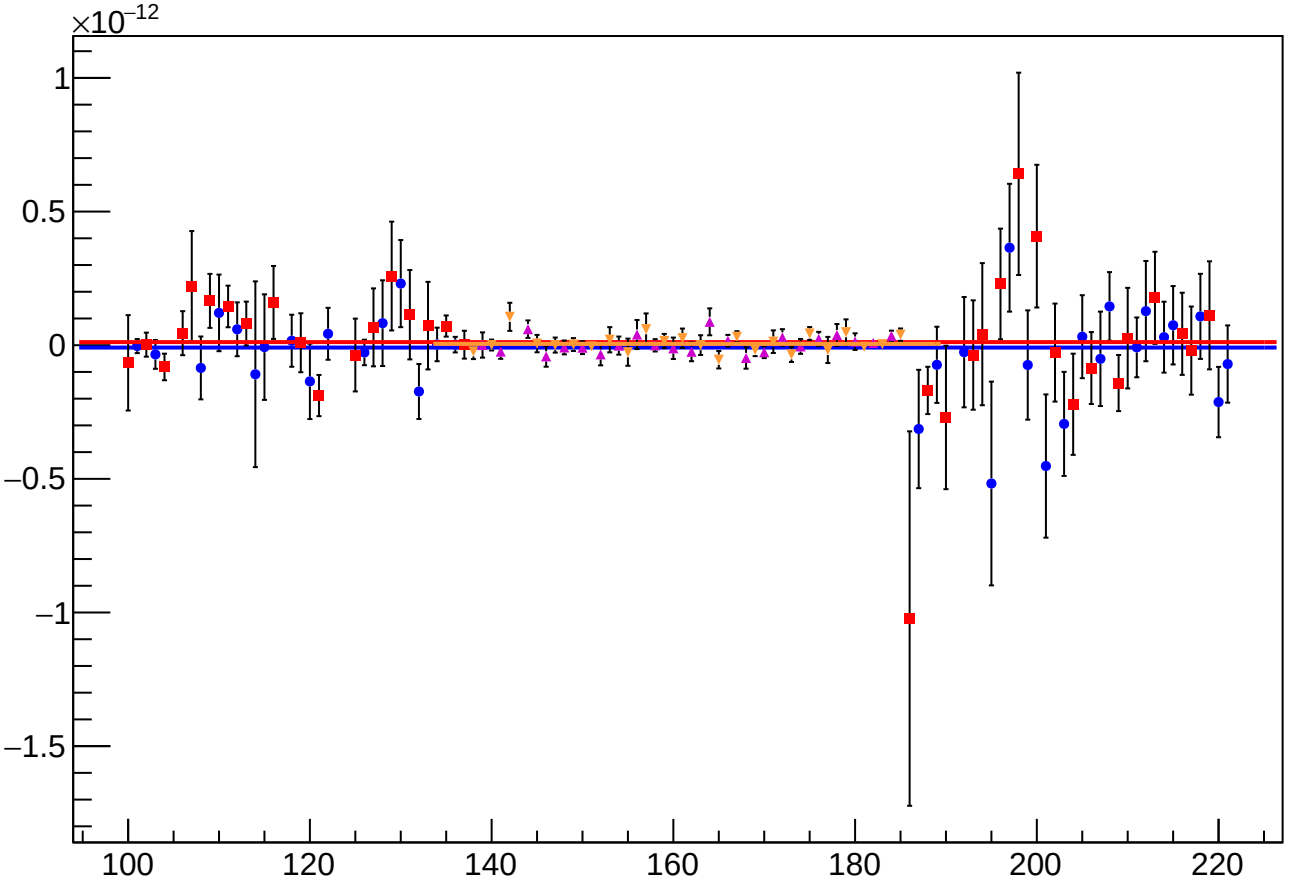
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1624.060+/-0.183 χ^2/NDF: 1650851.4/57

All: 1631.517+/-0.131 χ^2/NDF: 3509531.1/11

- sign 1639.353+/-0.187 χ^2/NDF: 1855260.4/57

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/34

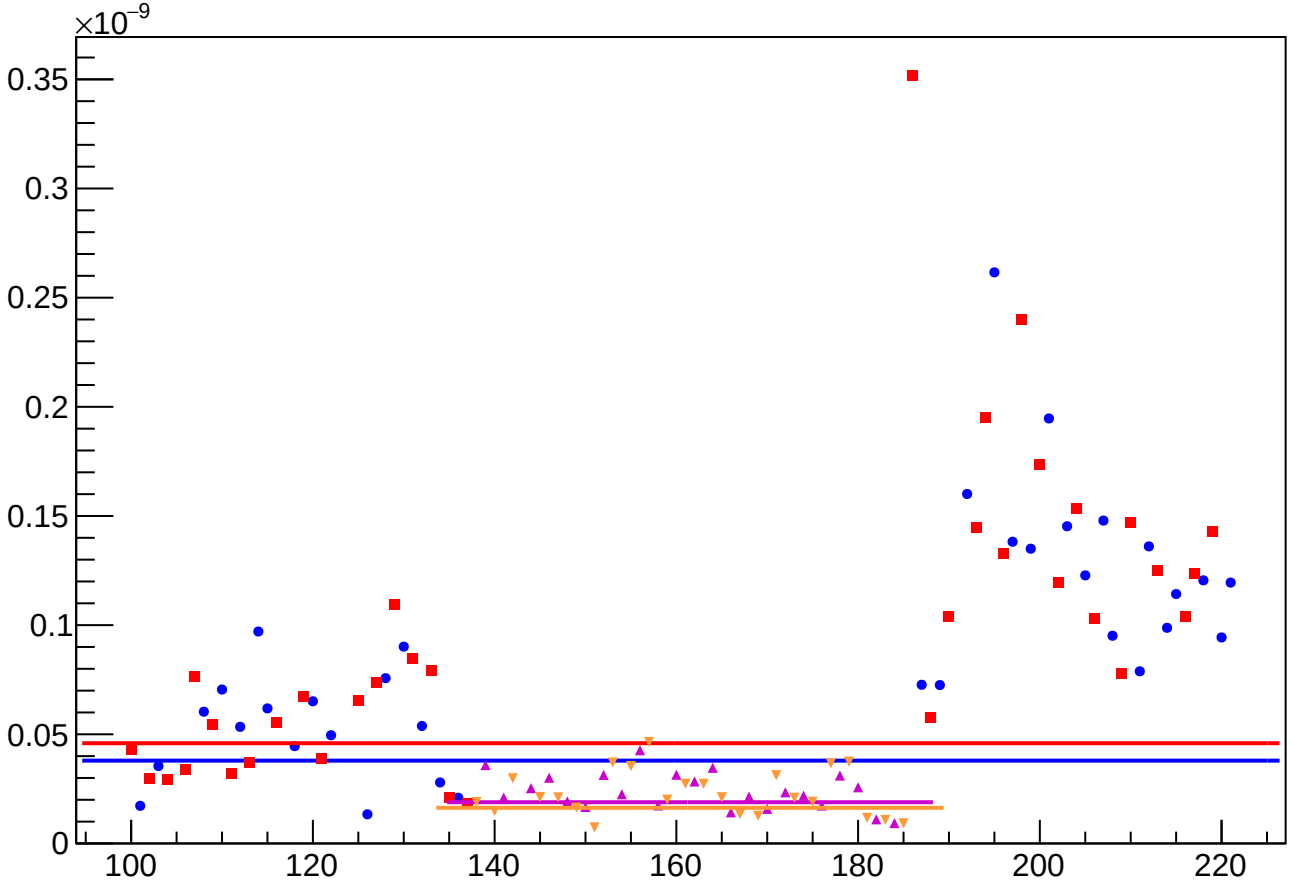
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/57

All: 0.000+/-0.000 χ^2/NDF: 109.5/115

- sign 0.000+/-0.000 χ^2/NDF: 62.0/57

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12026474.0/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9257657.1/34

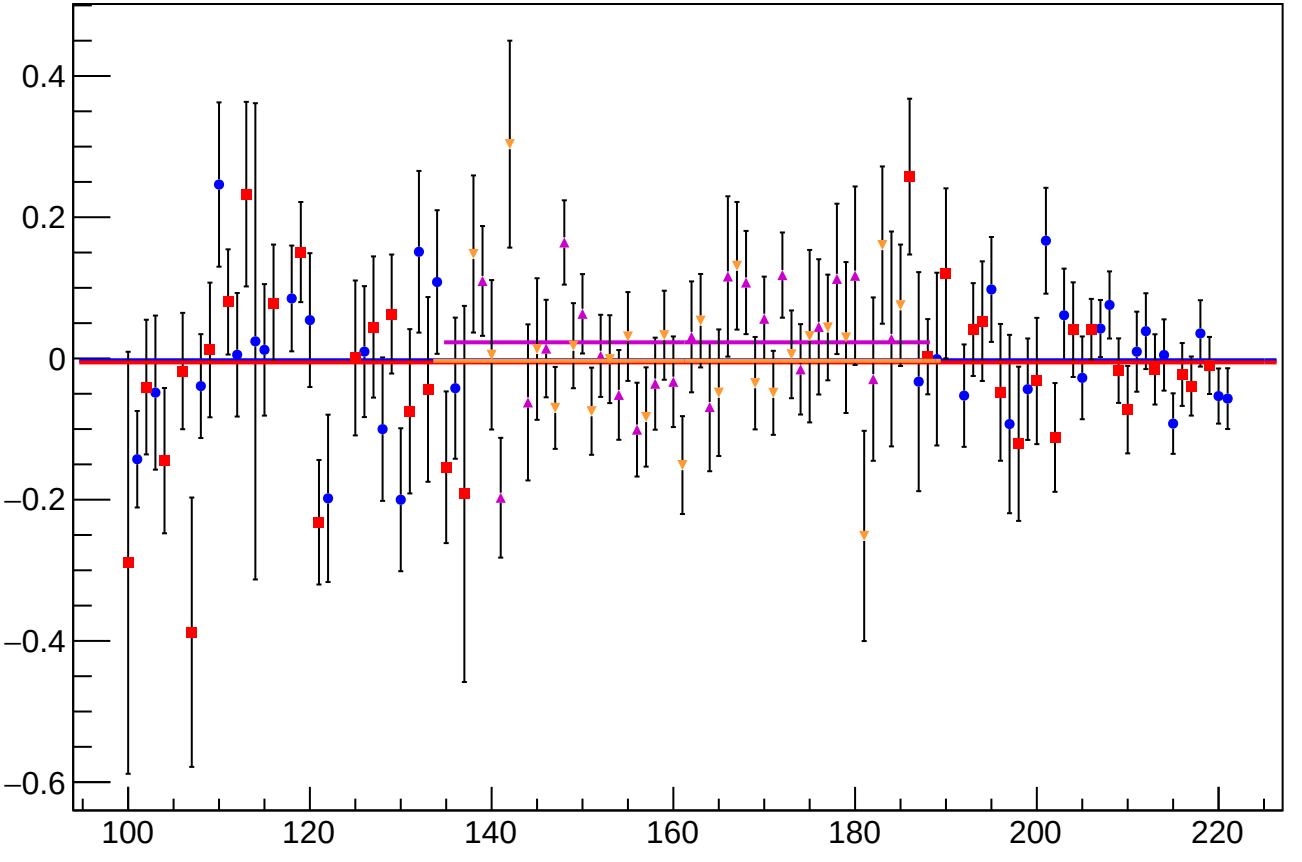
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20392549.9/57

All: 0.000+/-0.000 χ^2/NDF: 37908992.5/115

- sign 0.000+/-0.000 χ^2/NDF: 17228551.4/57

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

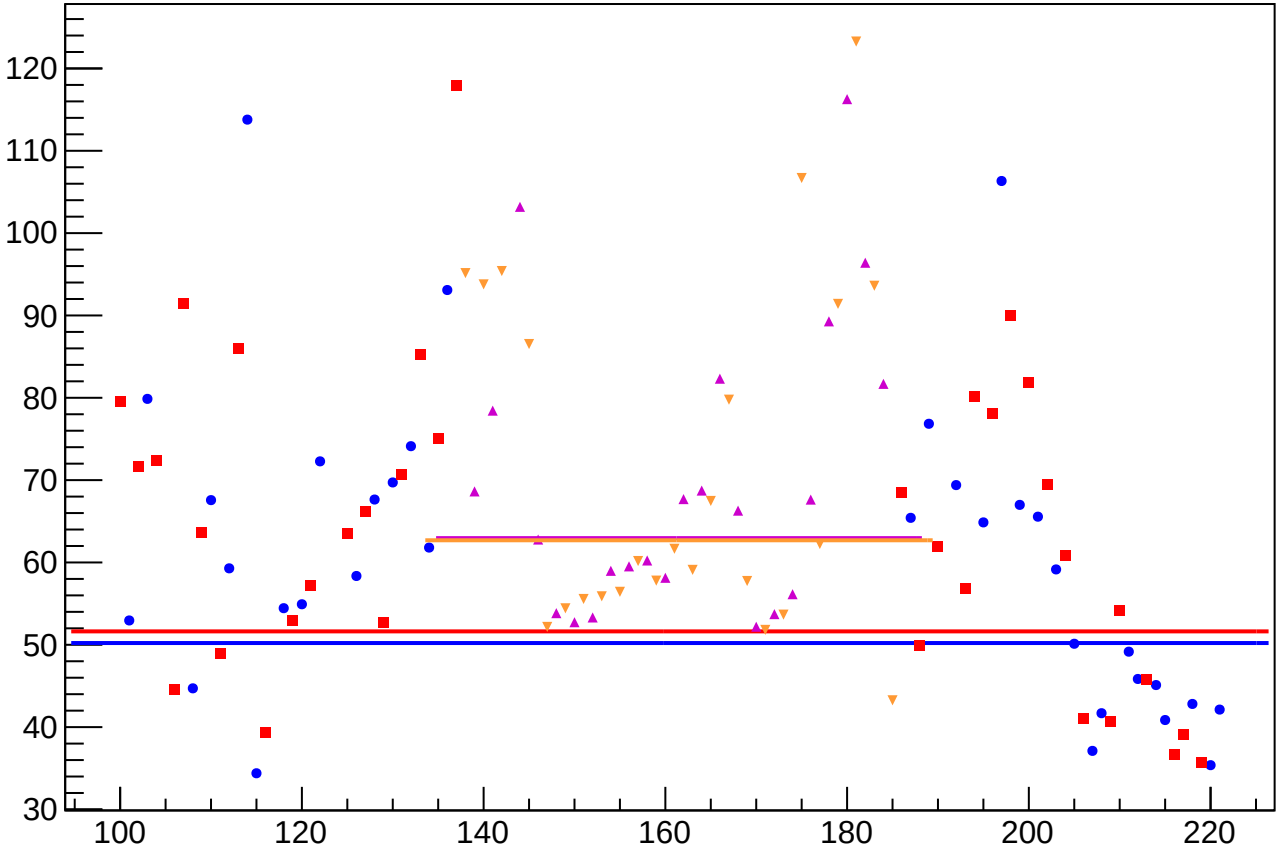
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.001+/-0.007 χ^2/NDF: 143.8/115

- sign 0.005+/-0.010 χ^2/NDF: 73.6/57

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.213+/-0.008 χ^2/NDF: 2835569.8/33

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

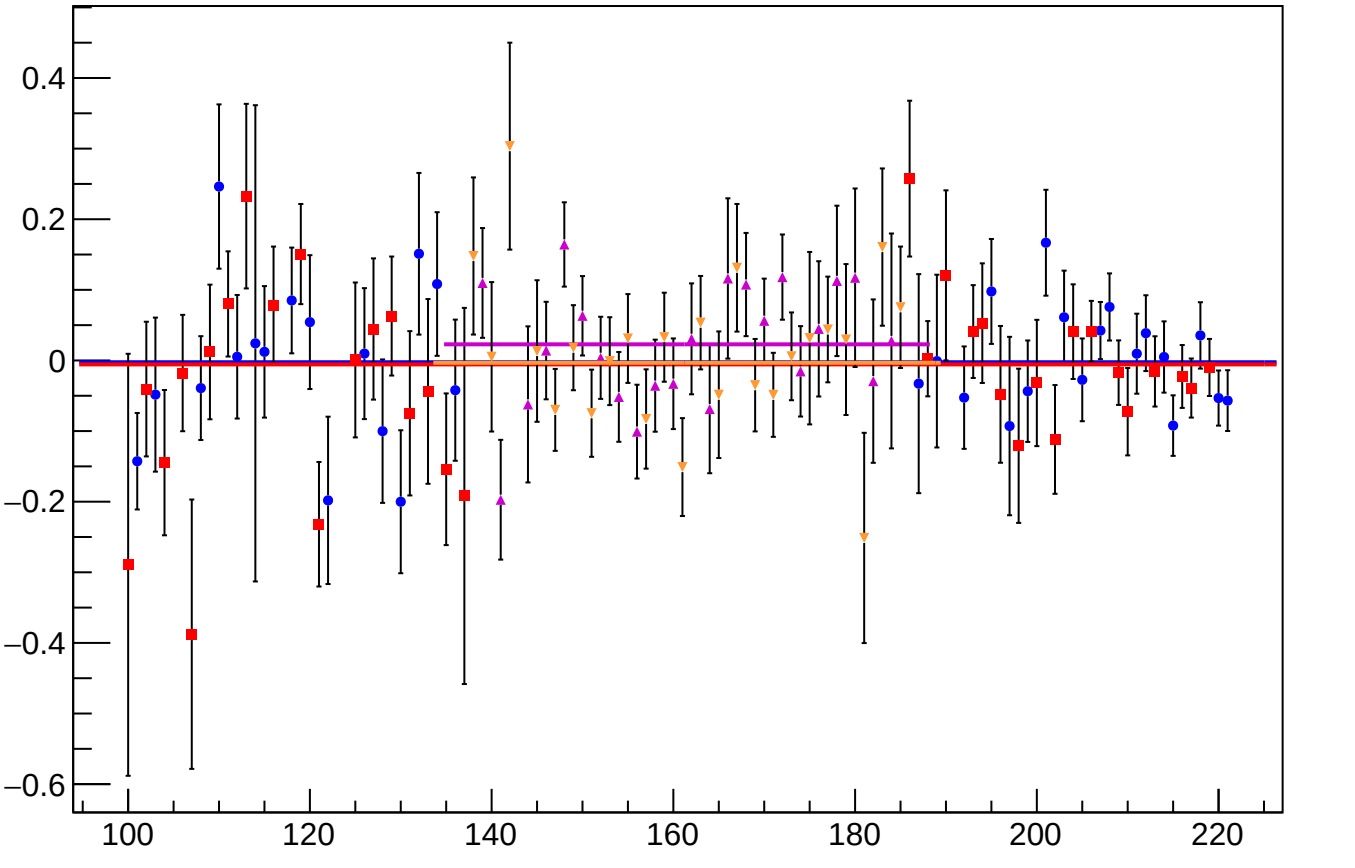
Right Out: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

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

+ sign 54.676+/-0.007 χ^2/NDF: 5609130.2/57

All: 55.298+/-0.005 χ^2/NDF: 10760707.2/115

- sign 55.964+/-0.007 χ^2/NDF: 5132917.6/57



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

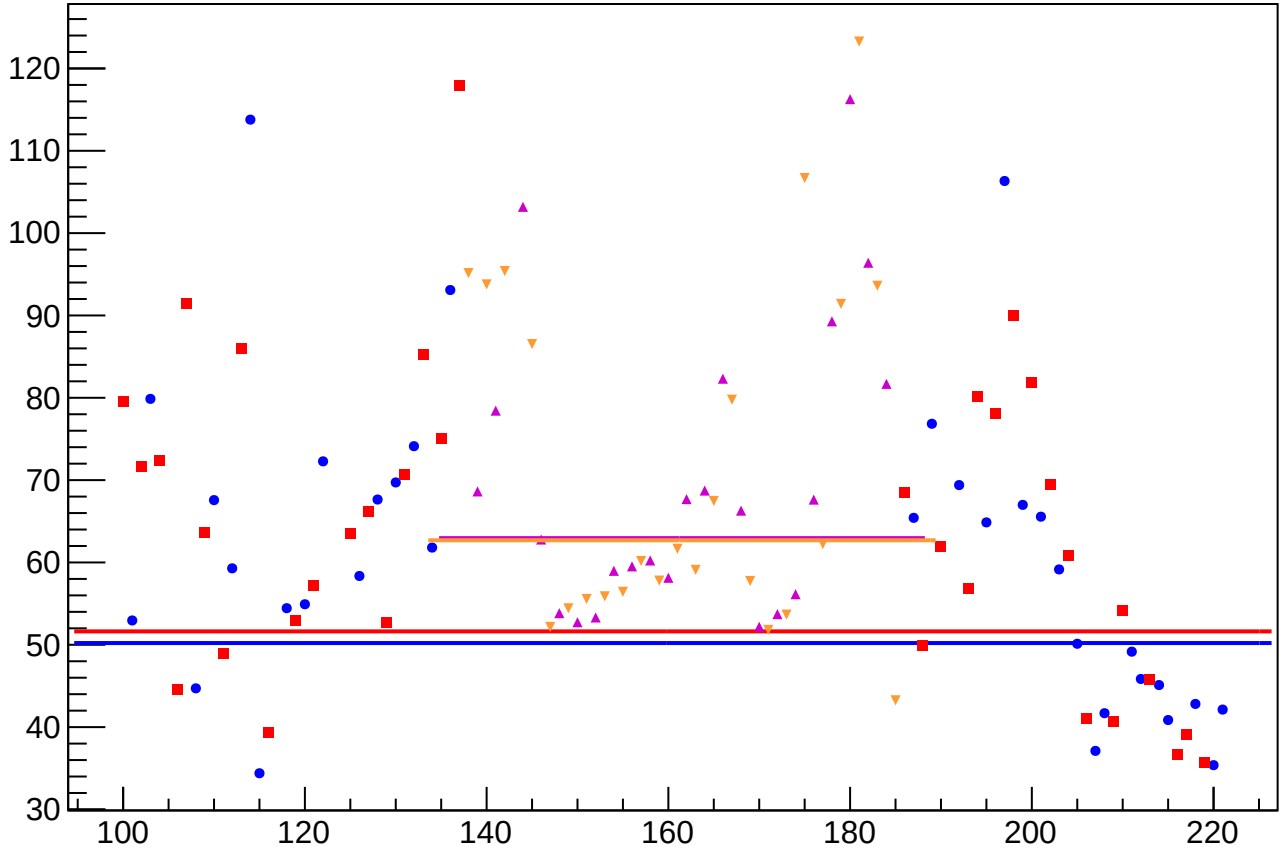
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.001+/-0.007 χ^2/NDF: 143.8/115

- sign 0.005+/-0.010 χ^2/NDF: 73.6/57

asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.213+/-0.008 χ^2/NDF: 2835569.8/33

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

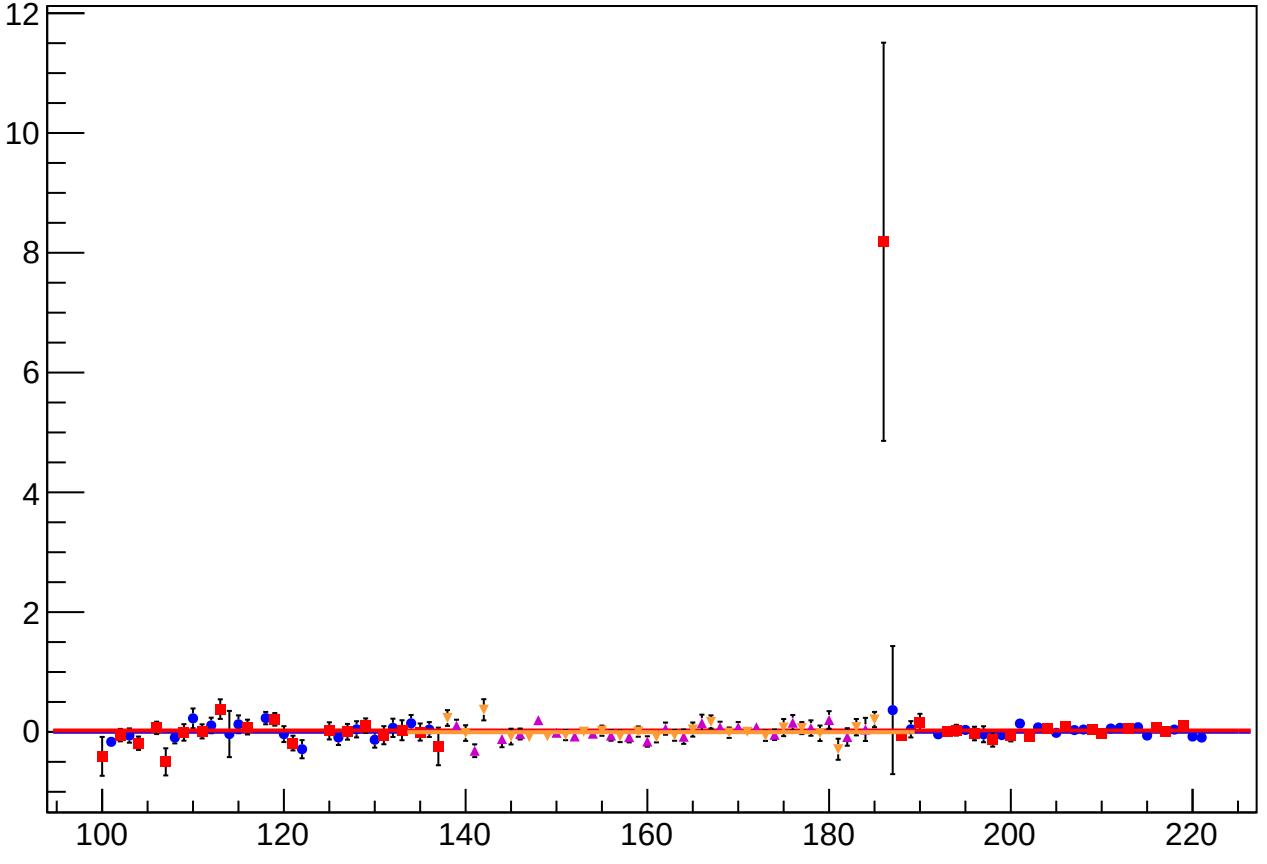
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

\+ sign 54.676+/-0.007 χ^2/NDF: 5609130.2/57

All: 55.298+/-0.005 χ^2/NDF: 10760707.2/115

\- sign 55.964+/-0.007 χ^2/NDF: 5132917.6/57

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.003+/-0.015 χ^2/NDF: 35.5/33

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

Right Out: 0.024+/-0.016 χ^2/NDF: 42.7/34

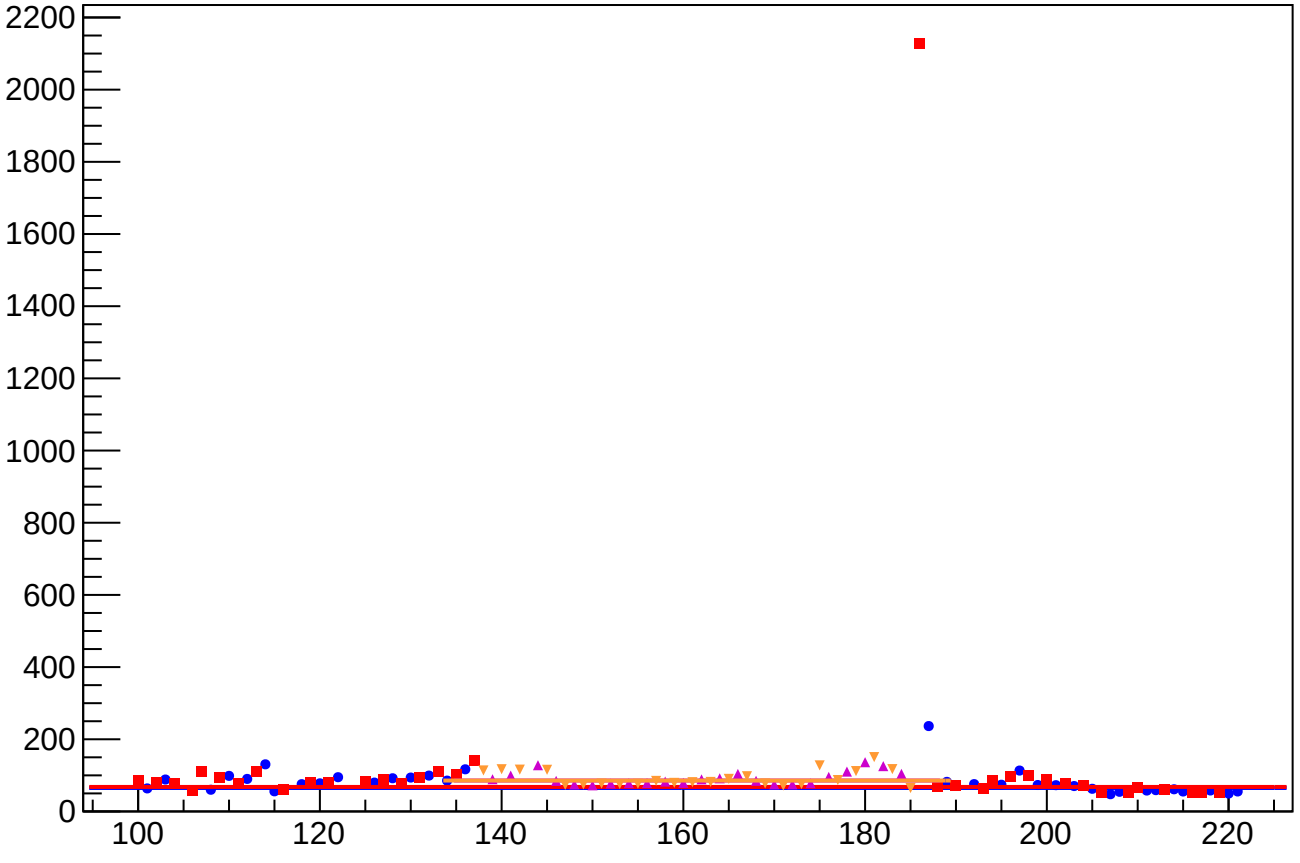
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.000+/-0.012 χ^2/NDF: 57.0/57

All: 0.007+/-0.009 χ^2/NDF: 131.8/115

- sign 0.014+/-0.013 χ^2/NDF: 74.2/57

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.094+/-0.010 χ^2/NDF: 2202273.9/33

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

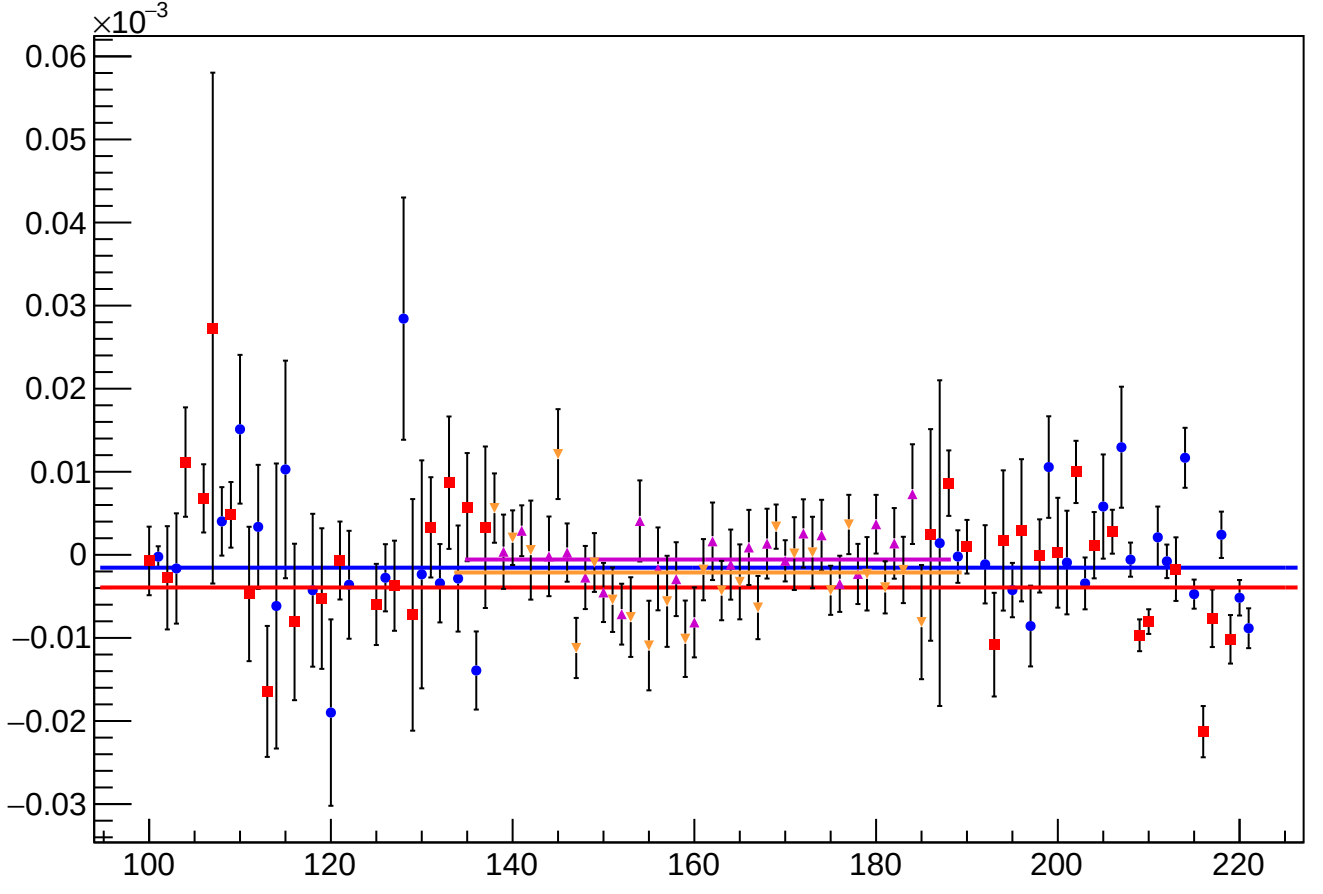
Right Out: 67.918+/-0.011 χ^2/NDF: 2855686.2/34

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

+ sign 71.996+/-0.008 χ^2/NDF: 4867453.0/57

All: 73.164+/-0.006 χ^2/NDF: 9692288.4/115

- sign 74.441+/-0.009 χ^2/NDF: 4785066.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 66.6/33

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

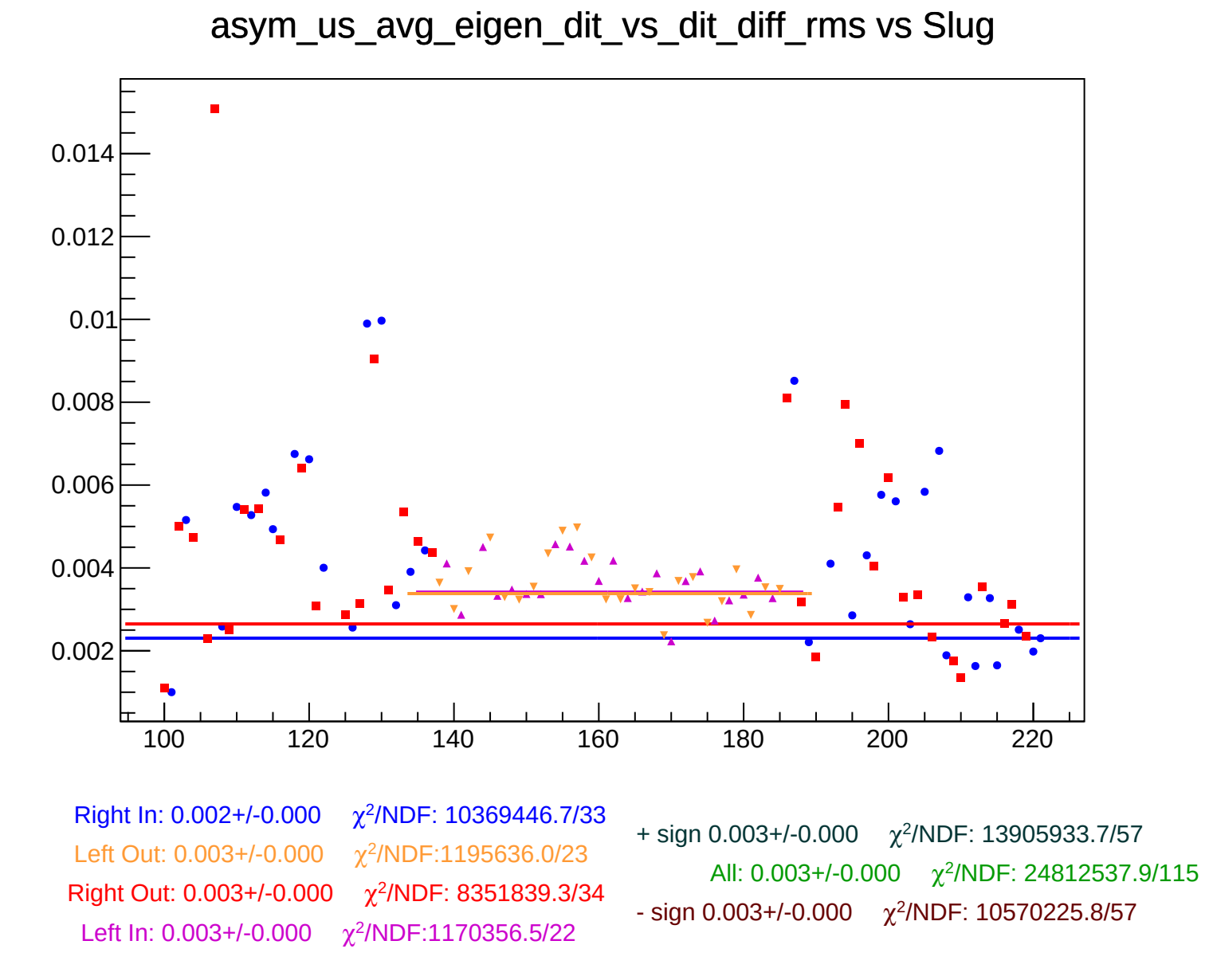
Right Out: -0.000+/-0.000 χ^2/NDF: 121.2/34

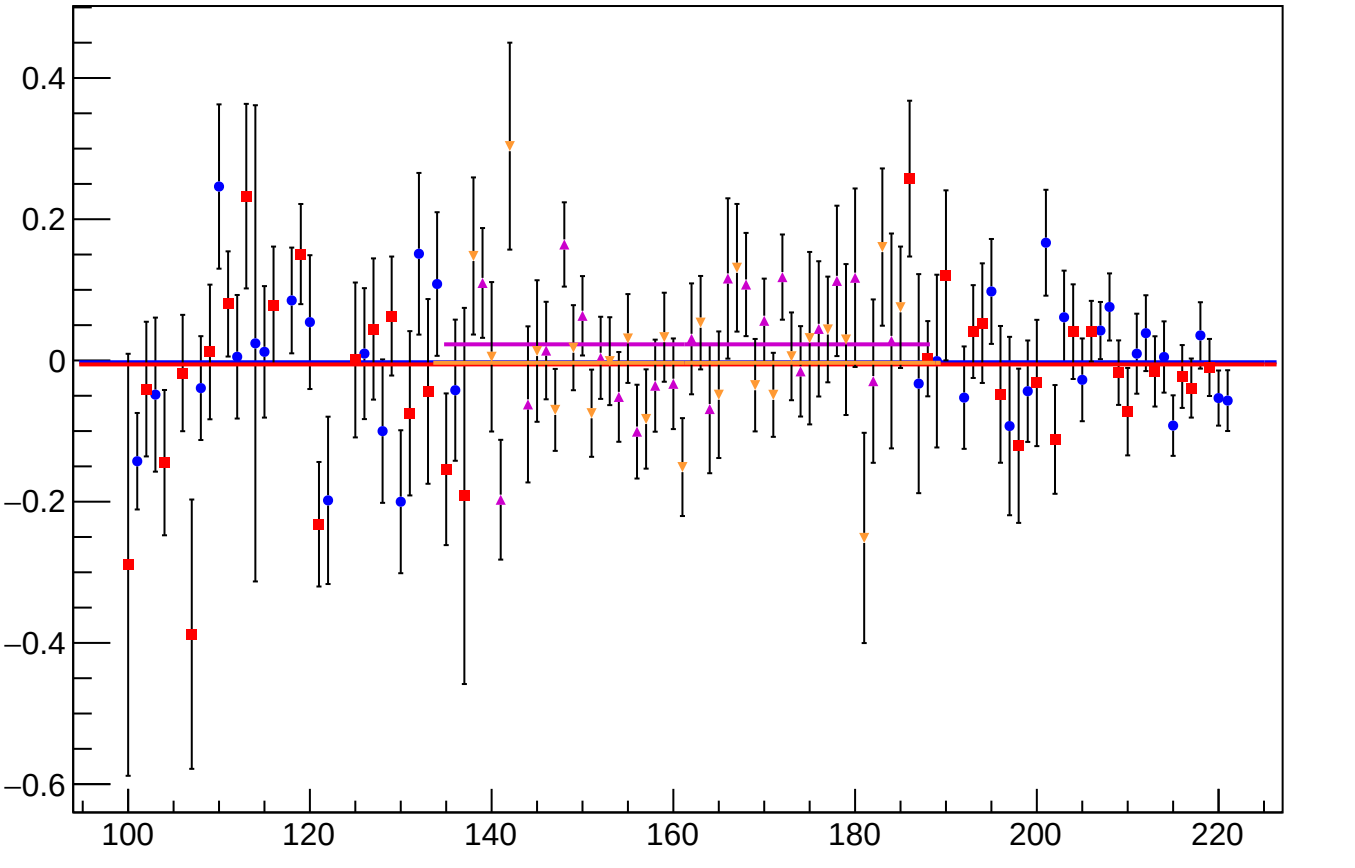
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 104.4/57

All: -0.000+/-0.000 χ^2/NDF: 253.6/115

- sign -0.000+/-0.000 χ^2/NDF: 147.9/57


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
220
Right In: 0.002+/-0.000 χ²/NDF: 10369446.7/33
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 8351839.3/34
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
+ sign 0.003+/-0.000 χ²/NDF: 13905933.7/57
All: 0.003+/-0.000 χ²/NDF: 24812537.9/115
- sign 0.003+/-0.000 χ²/NDF: 10570225.8/57



Right In: -0.003+/-0.012 χ^2/NDF: 43.9/33

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

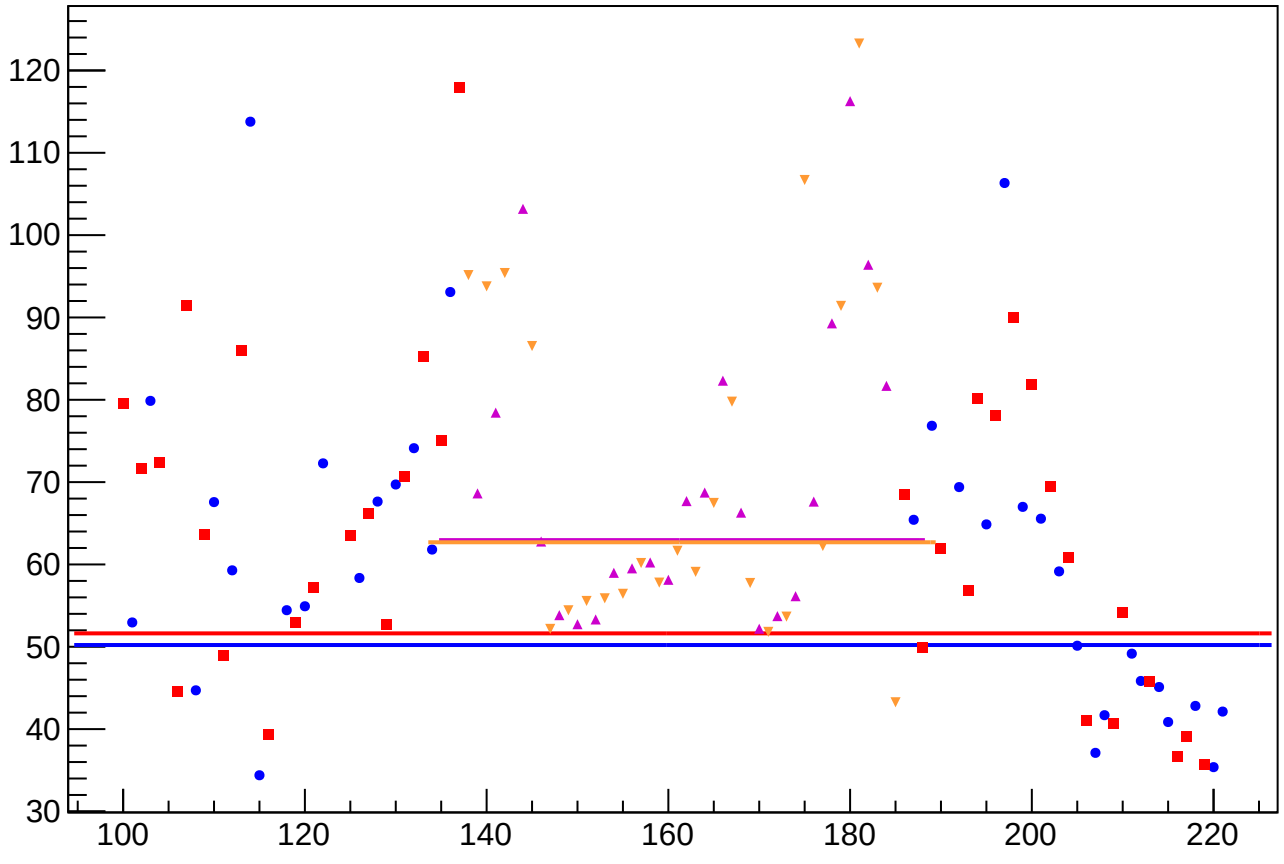
Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

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

+ sign -0.003+/-0.009 χ^2/NDF: 69.8/57

All: 0.001+/-0.007 χ^2/NDF: 143.8/115

- sign 0.005+/-0.010 χ^2/NDF: 73.6/57



Right In: 50.213+/-0.008 χ^2/NDF: 2835374.3/33

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

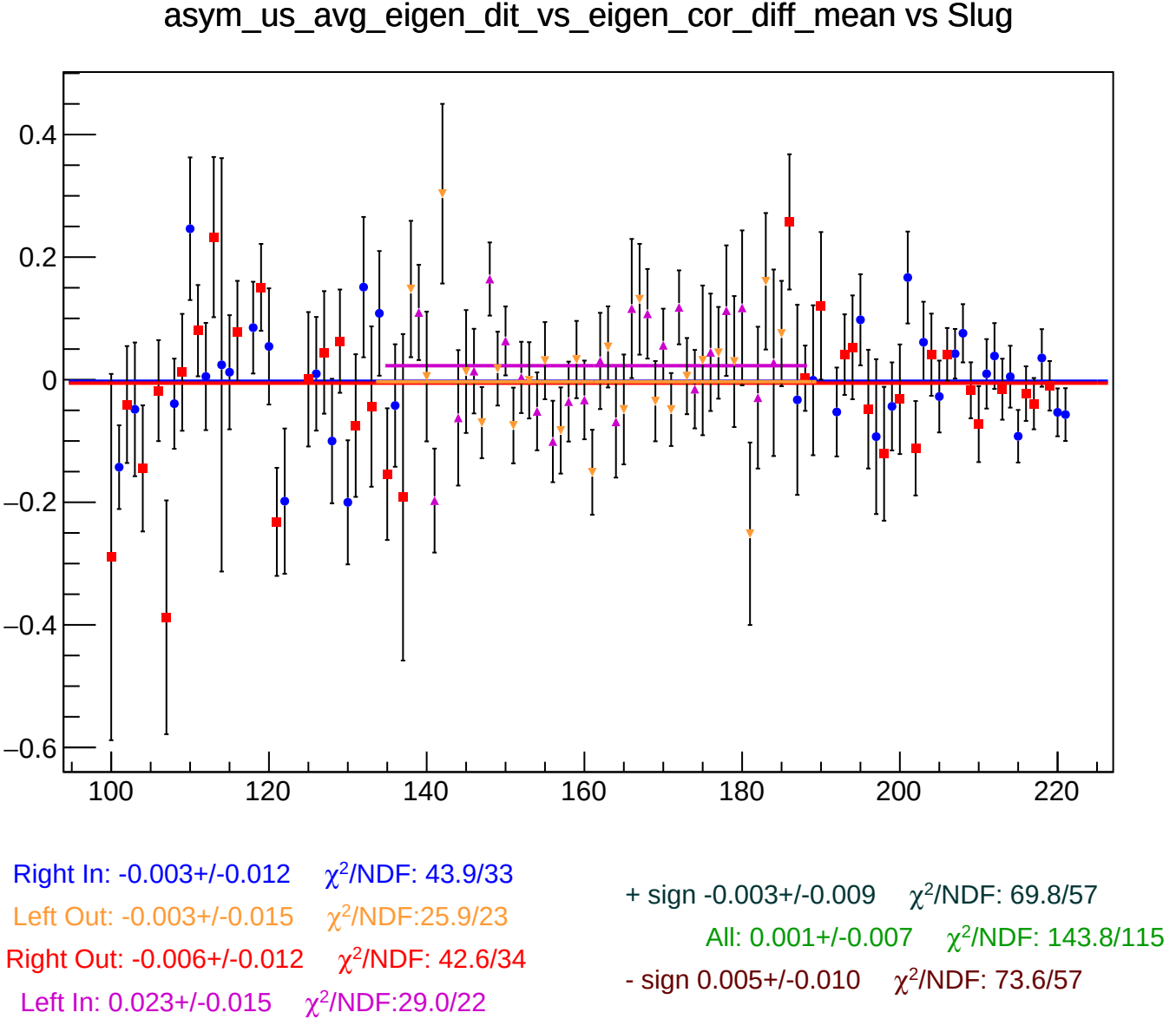
Right Out: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

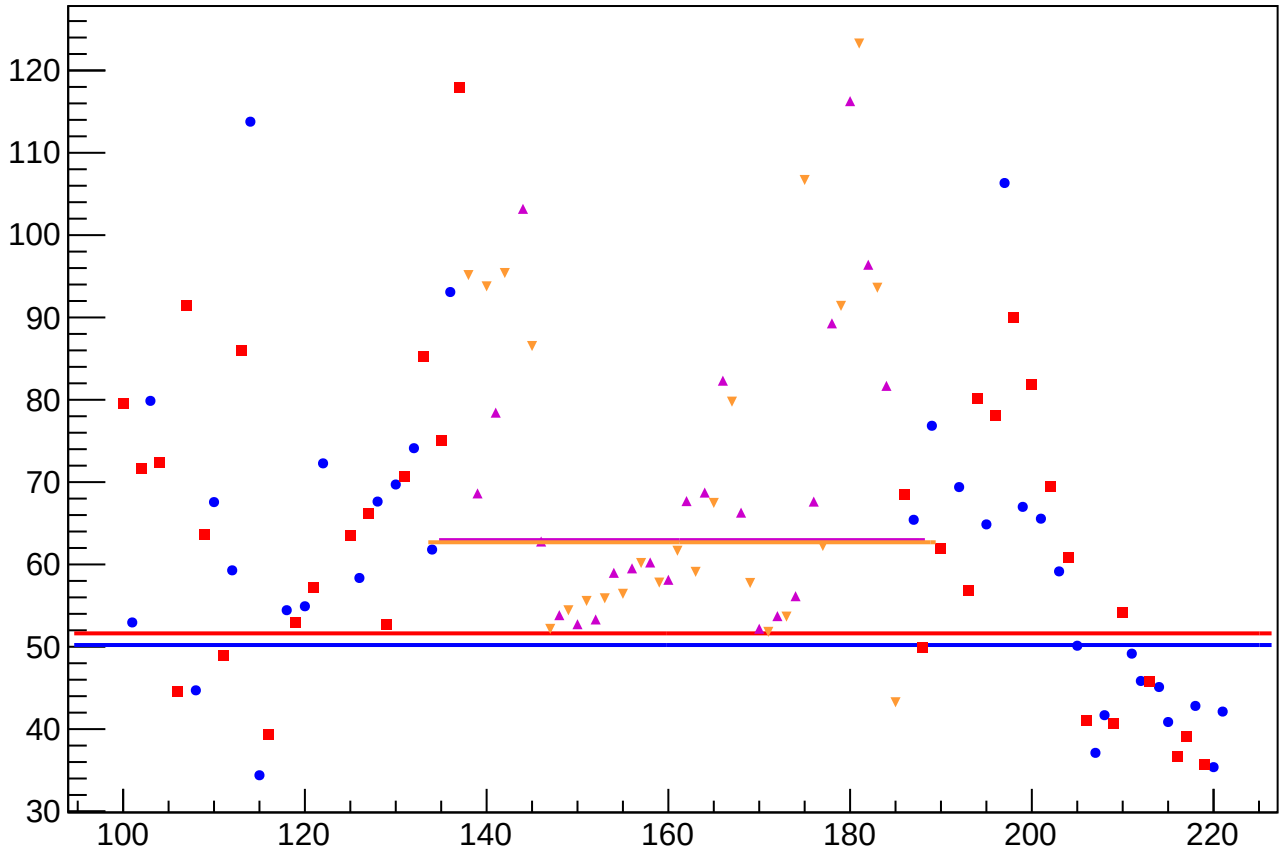
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 54.677+/-0.007 χ^2/NDF: 5608907.4/57

All: 55.298+/-0.005 χ^2/NDF: 10760274.2/115

- sign 55.964+/-0.007 χ^2/NDF: 5132718.9/57


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
220
Right In: -0.003+/-0.012 χ²/NDF: 43.9/33
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.006+/-0.012 χ²/NDF: 42.6/34
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign -0.003+/-0.009 χ²/NDF: 69.8/57
All: 0.001+/-0.007 χ²/NDF: 143.8/115
- sign 0.005+/-0.010 χ²/NDF: 73.6/57



Right In: 50.213+/-0.008 χ^2/NDF: 2835374.3/33

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

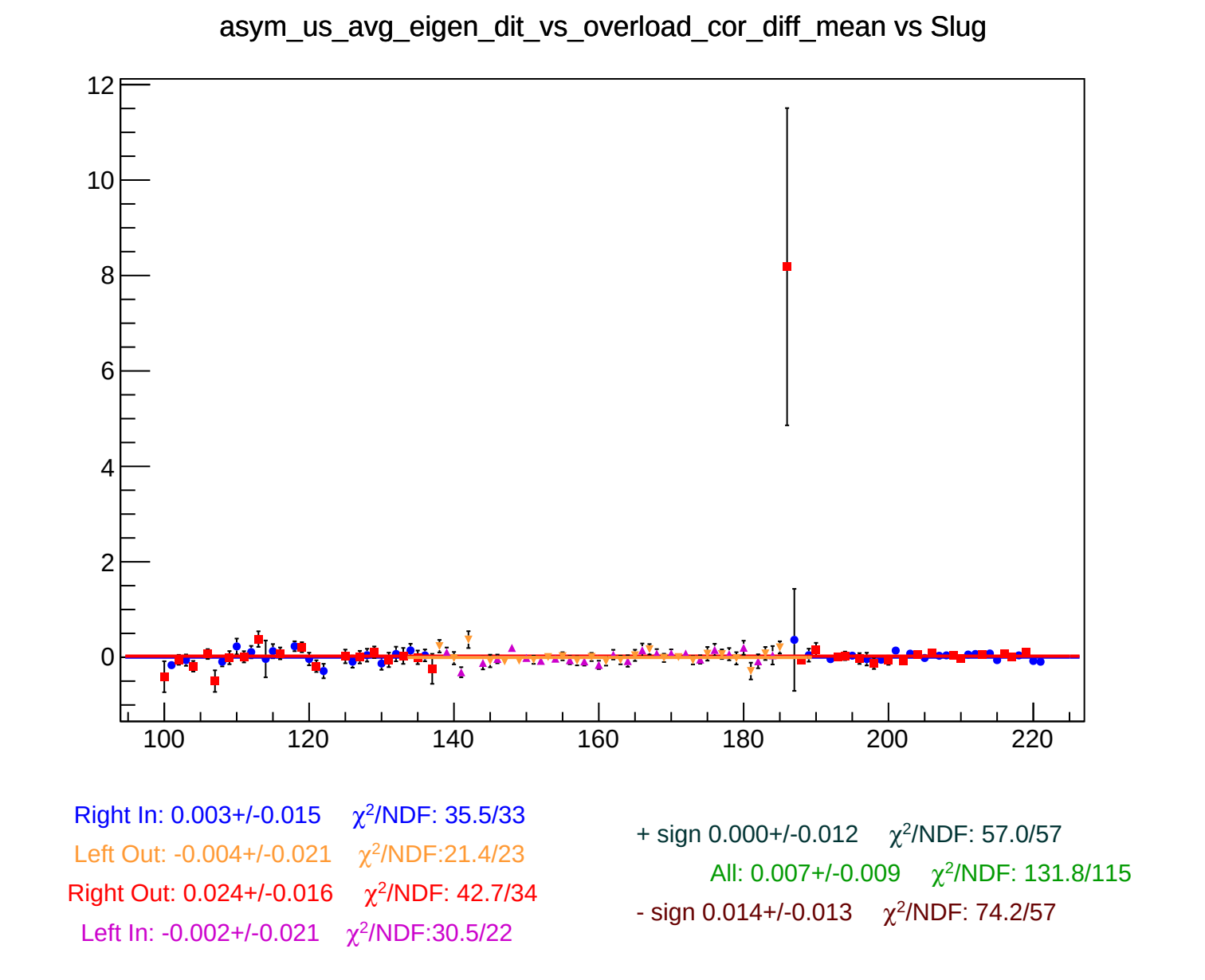
Right Out: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

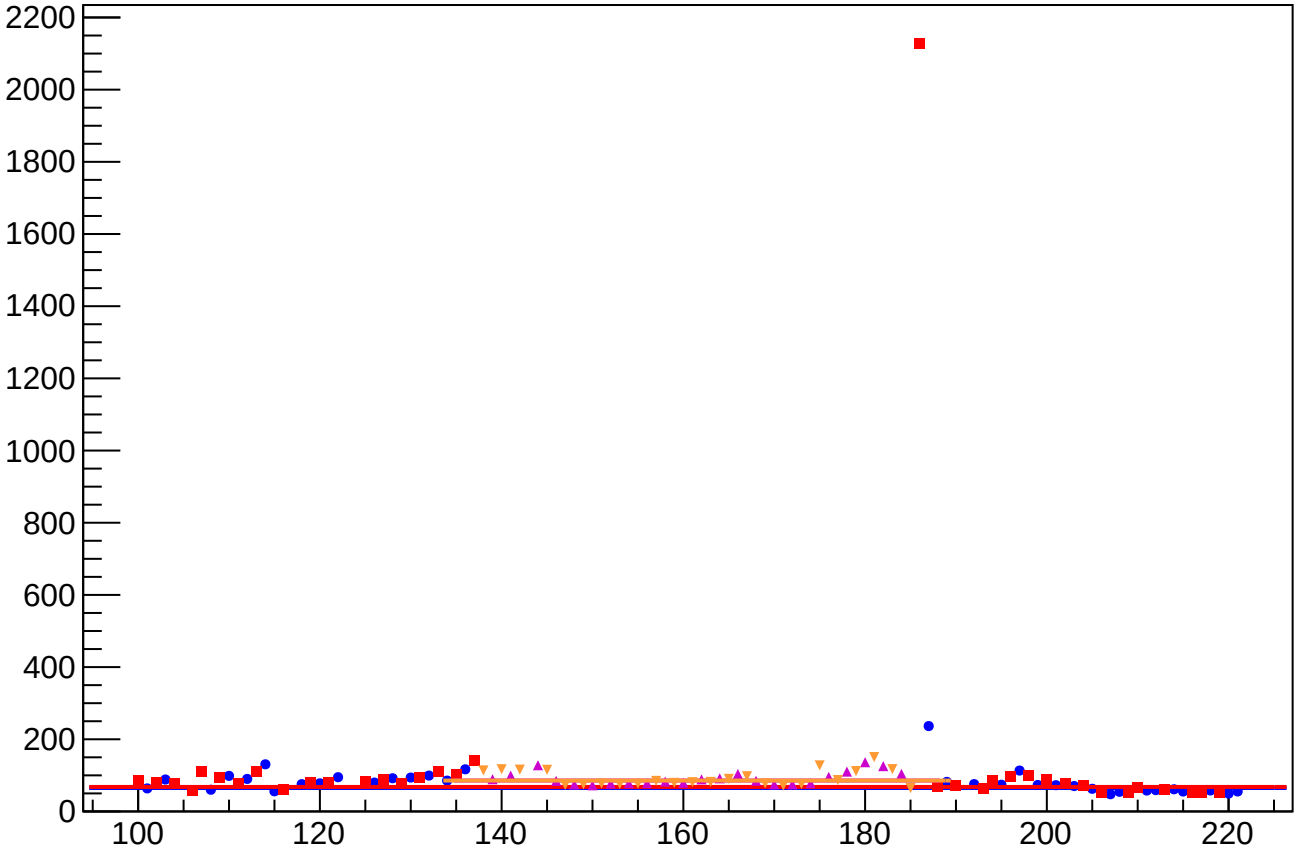
+ sign 54.677+/-0.007 χ^2/NDF: 5608907.4/57

All: 55.298+/-0.005 χ^2/NDF: 10760274.2/115

- sign 55.964+/-0.007 χ^2/NDF: 5132718.9/57


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.015 χ²/NDF: 35.5/33
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: 0.024+/-0.016 χ²/NDF: 42.7/34
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign 0.000+/-0.012 χ²/NDF: 57.0/57
All: 0.007+/-0.009 χ²/NDF: 131.8/115
- sign 0.014+/-0.013 χ²/NDF: 74.2/57

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.094+/-0.010 χ^2/NDF: 2202133.7/33

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

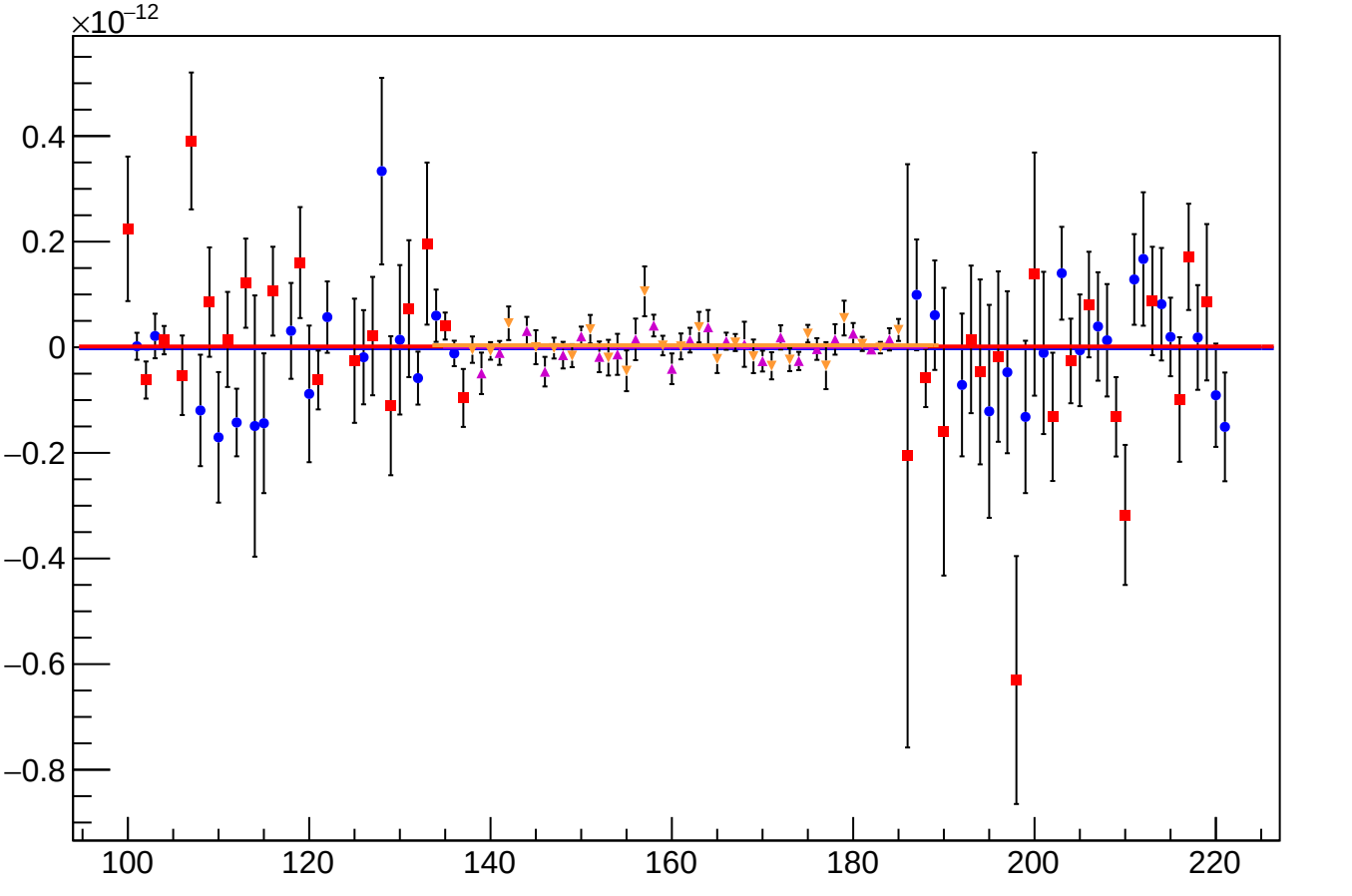
Right Out: 67.918+/-0.011 χ^2/NDF: 2855568.6/34

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

+ sign 71.996+/-0.008 χ^2/NDF: 4867292.1/57

All: 73.164+/-0.006 χ^2/NDF: 9692019.5/115

- sign 74.441+/-0.009 χ^2/NDF: 4784968.7/57



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 56.5/34

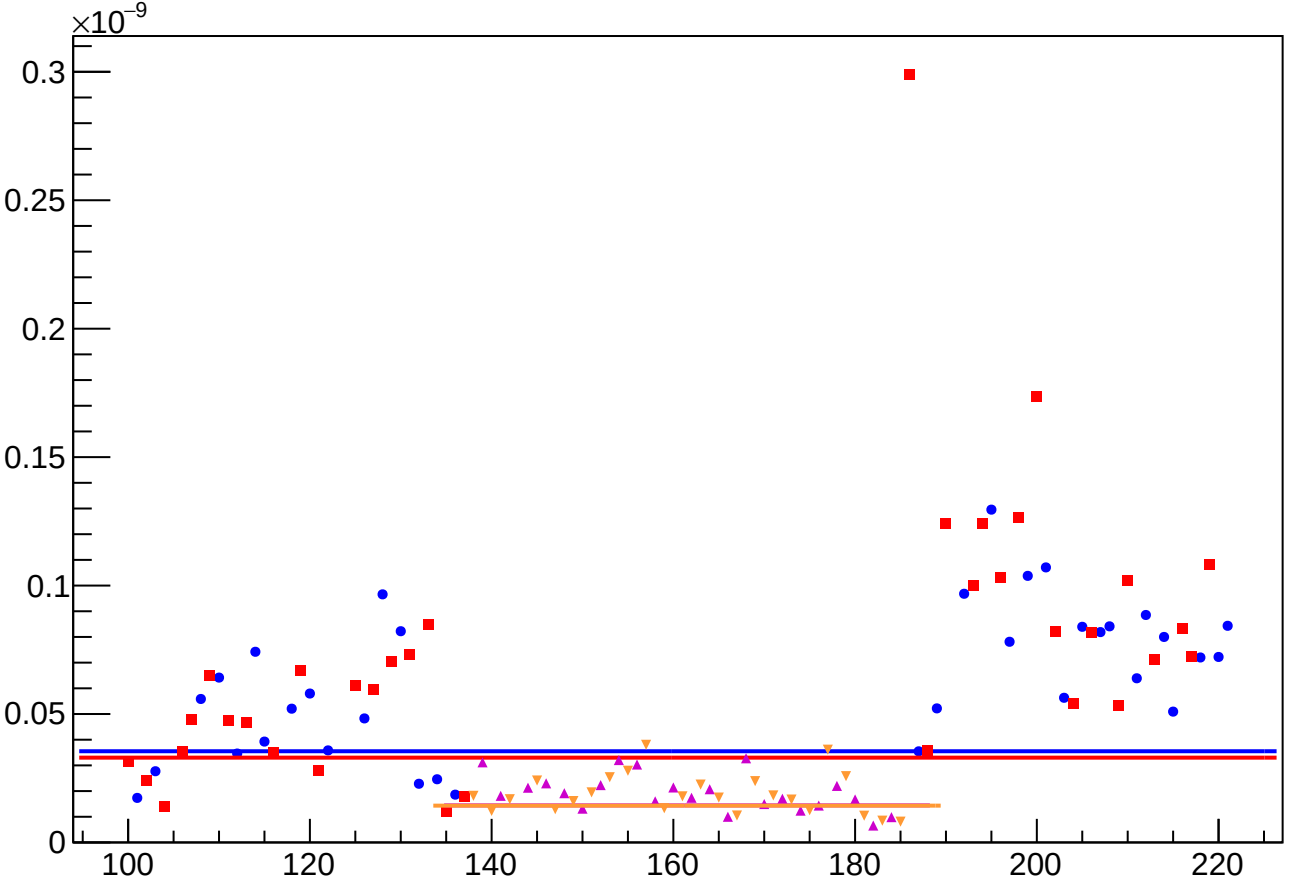
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/57

All: 0.000+/-0.000 χ^2/NDF: 136.5/115

- sign 0.000+/-0.000 χ^2/NDF: 80.1/57

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8444195.0/33

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

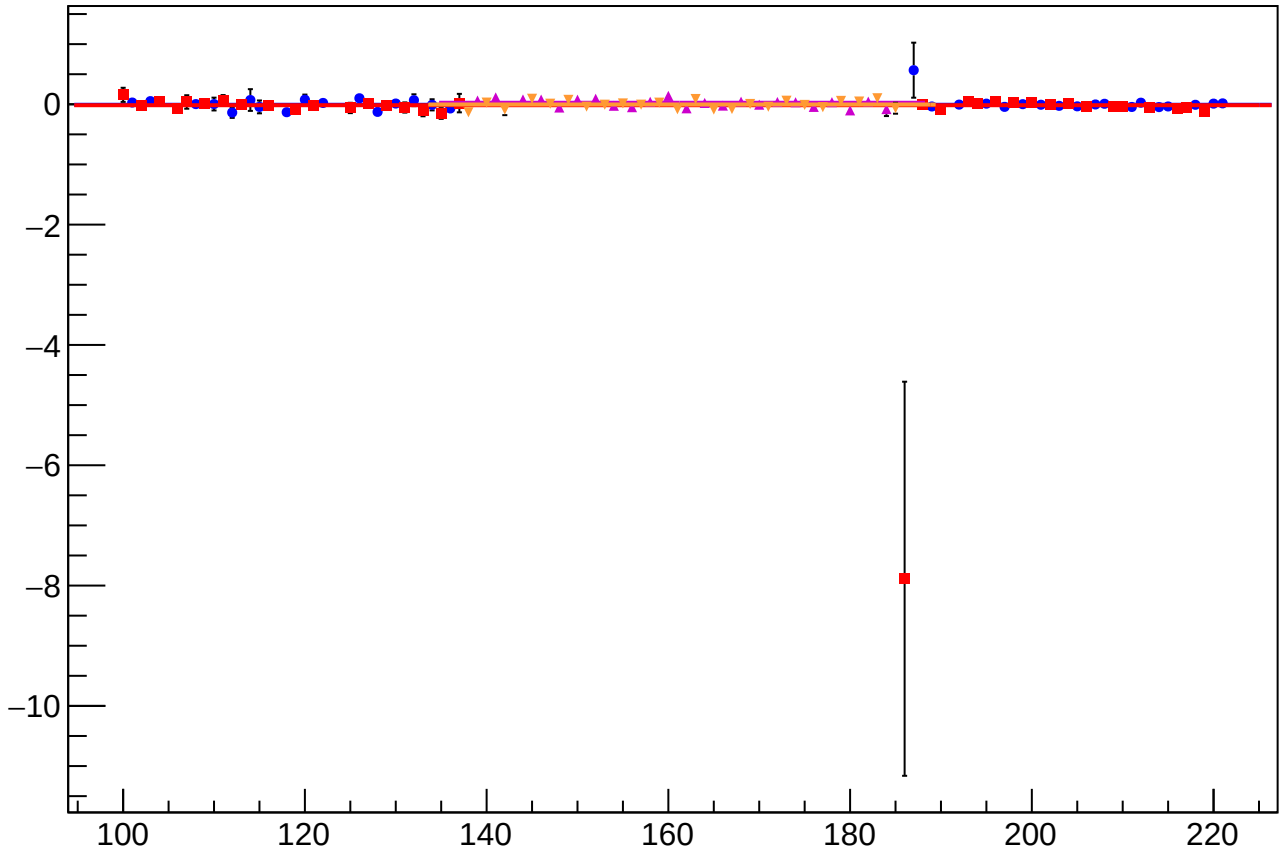
Right Out: 0.000+/-0.000 χ^2/NDF: 10213085.1/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 17776371.3/57

All: 0.000+/-0.000 χ^2/NDF: 36475451.0/115

- sign 0.000+/-0.000 χ^2/NDF: 18694760.6/57



Right In: -0.008+/-0.007 χ^2/NDF: 26.1/33

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

Right Out: -0.015+/-0.007 χ^2/NDF: 49.6/34

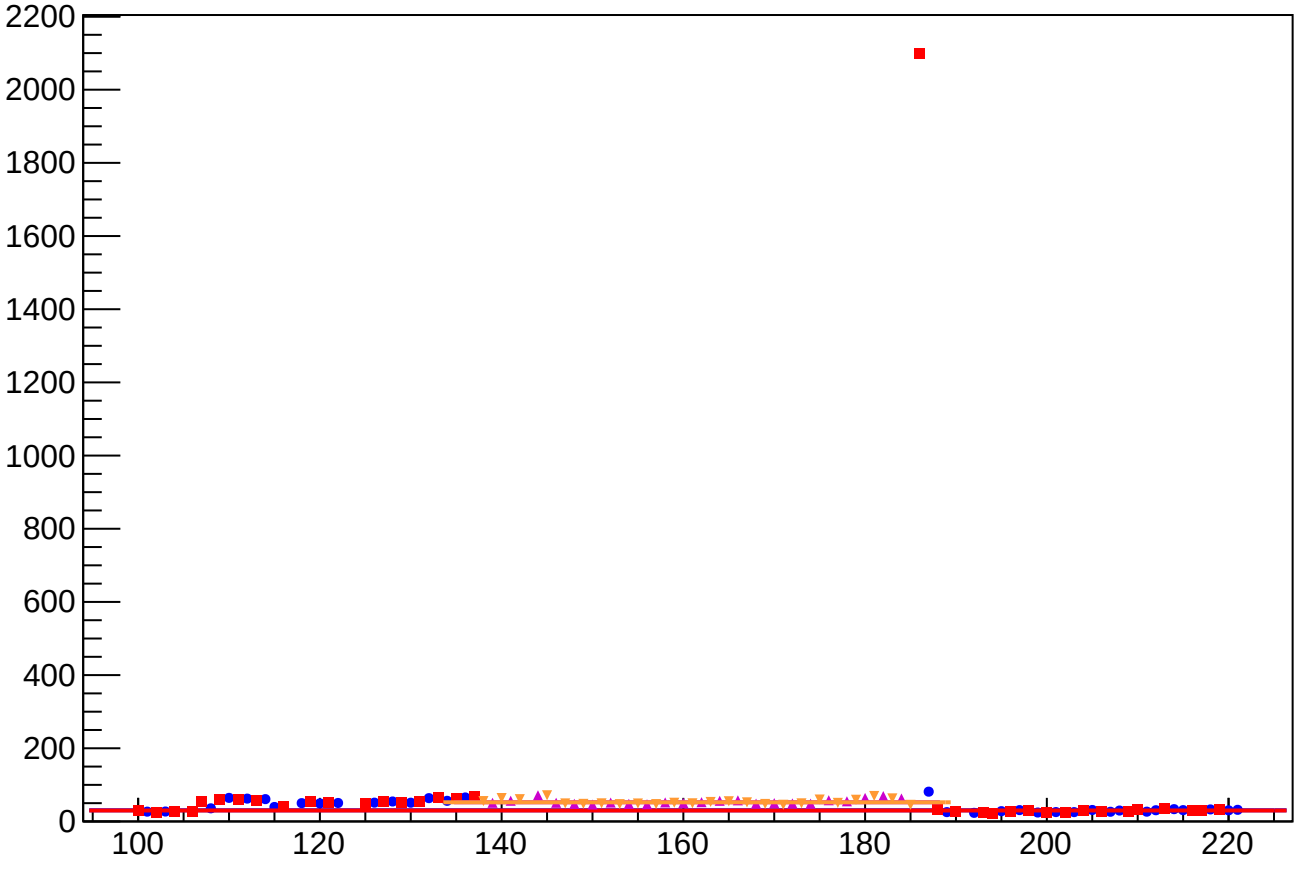
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.007+/-0.006 χ^2/NDF: 49.4/57

All: -0.006+/-0.004 χ^2/NDF: 131.3/115

- sign -0.005+/-0.006 χ^2/NDF: 81.9/57

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.532+/-0.005 χ^2/NDF: 2894490.6/33

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

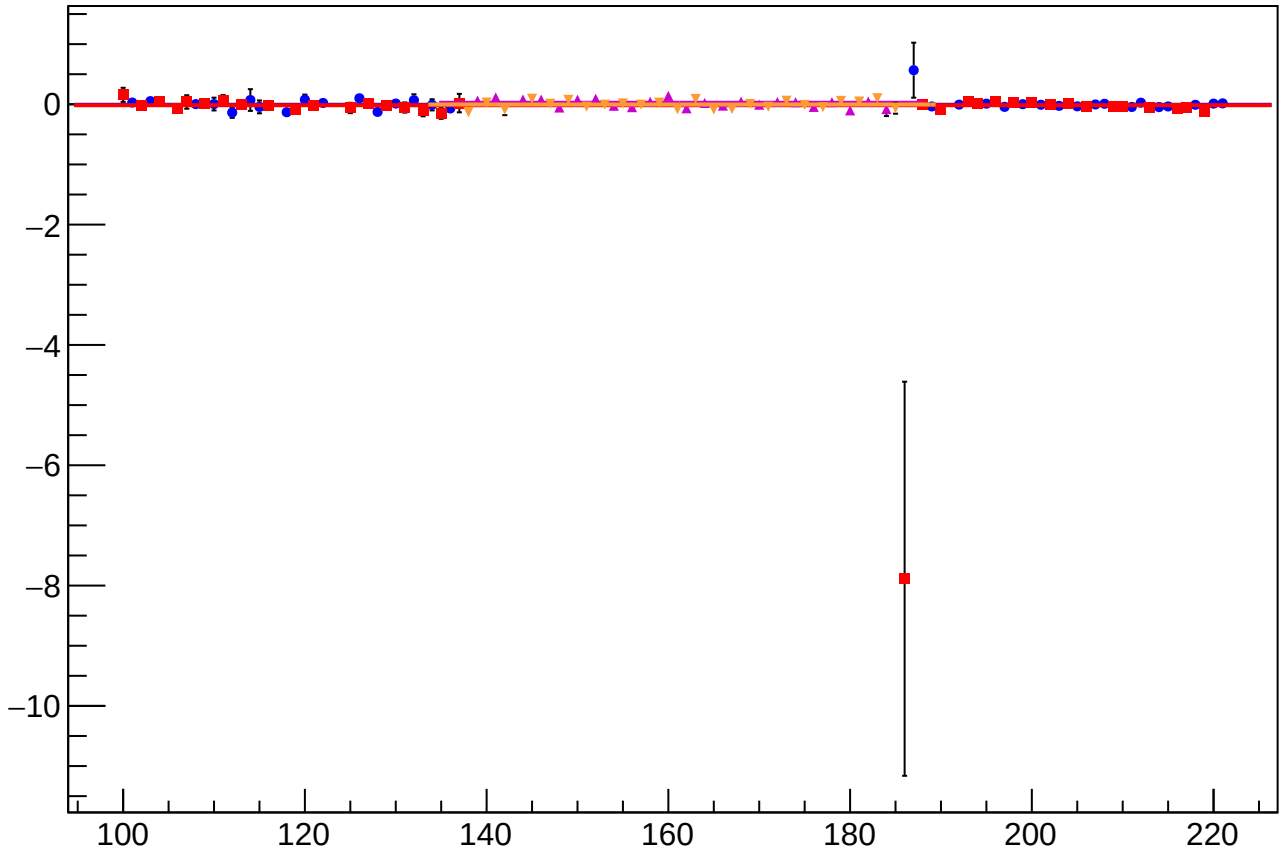
Right Out: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

+ sign 35.747+/-0.004 χ^2/NDF: 8120216.9/57

All: 35.610+/-0.003 χ^2/NDF: 17338856.4/115

- sign 35.468+/-0.004 χ^2/NDF: 9216566.3/57



Right In: -0.008+/-0.007 χ^2/NDF: 26.1/33

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

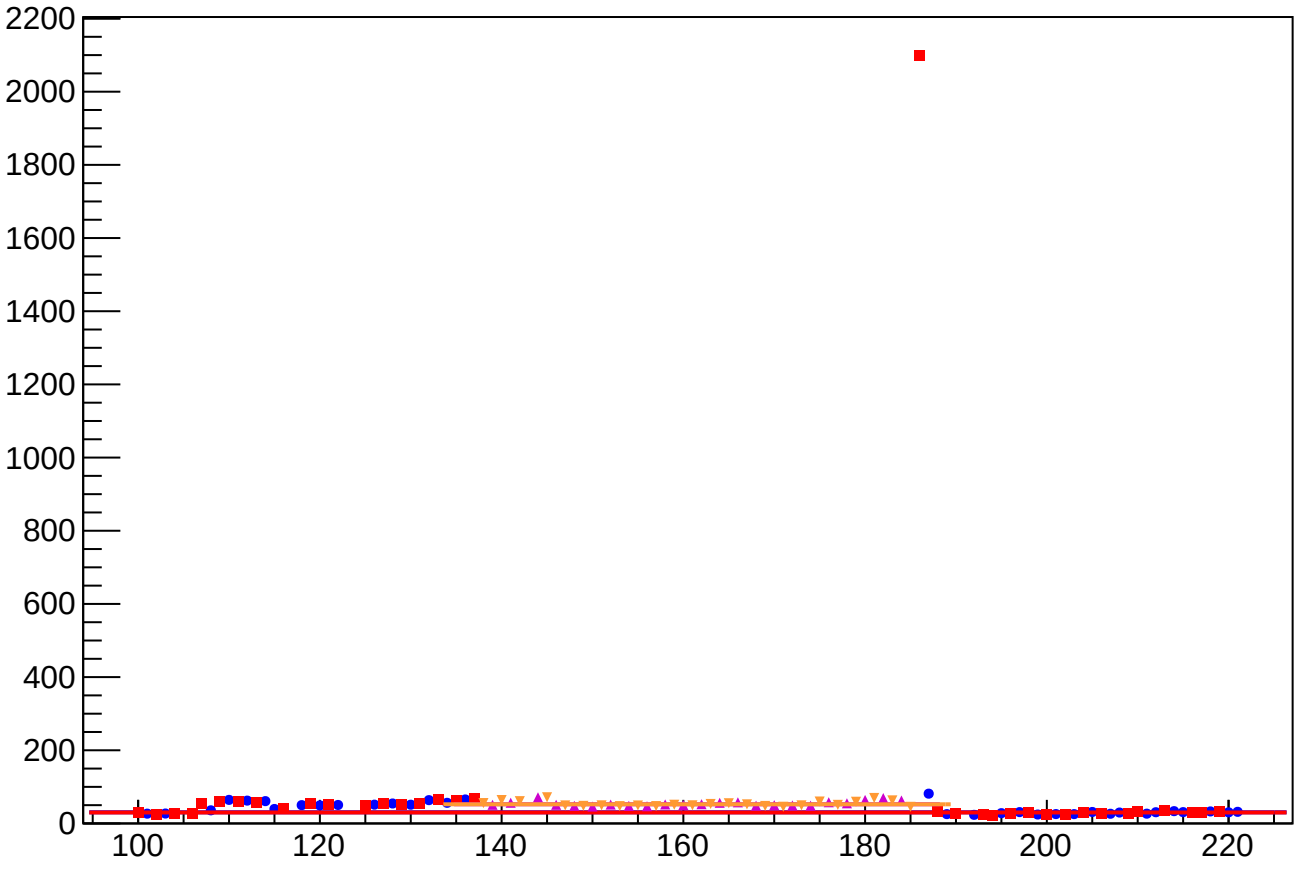
Right Out: -0.015+/-0.007 χ^2/NDF: 49.6/34

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

+ sign -0.007+/-0.006 χ^2/NDF: 49.4/57

All: -0.006+/-0.004 χ^2/NDF: 131.3/115

- sign -0.005+/-0.006 χ^2/NDF: 81.9/57



Right In: 30.532+/-0.005 χ^2/NDF: 2894490.6/33

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

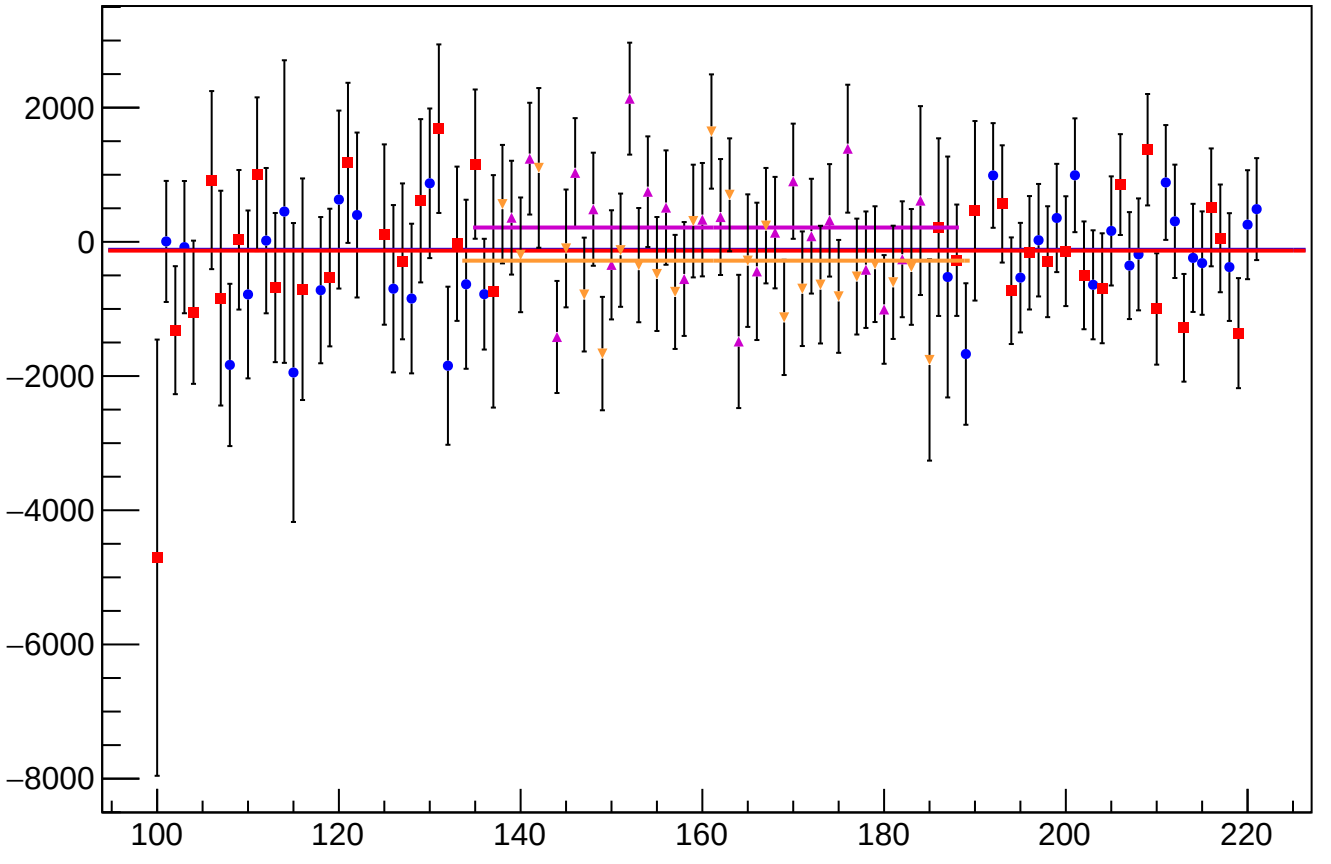
Right Out: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

+ sign 35.747+/-0.004 χ^2/NDF: 8120216.9/57

All: 35.610+/-0.003 χ^2/NDF: 17338856.4/115

- sign 35.468+/-0.004 χ^2/NDF: 9216566.3/57



Right In: -118.465+/-163.272 χ^2/NDF: 18.1/33

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

Right Out: -130.475+/-167.878 χ^2/NDF: 25.0/34

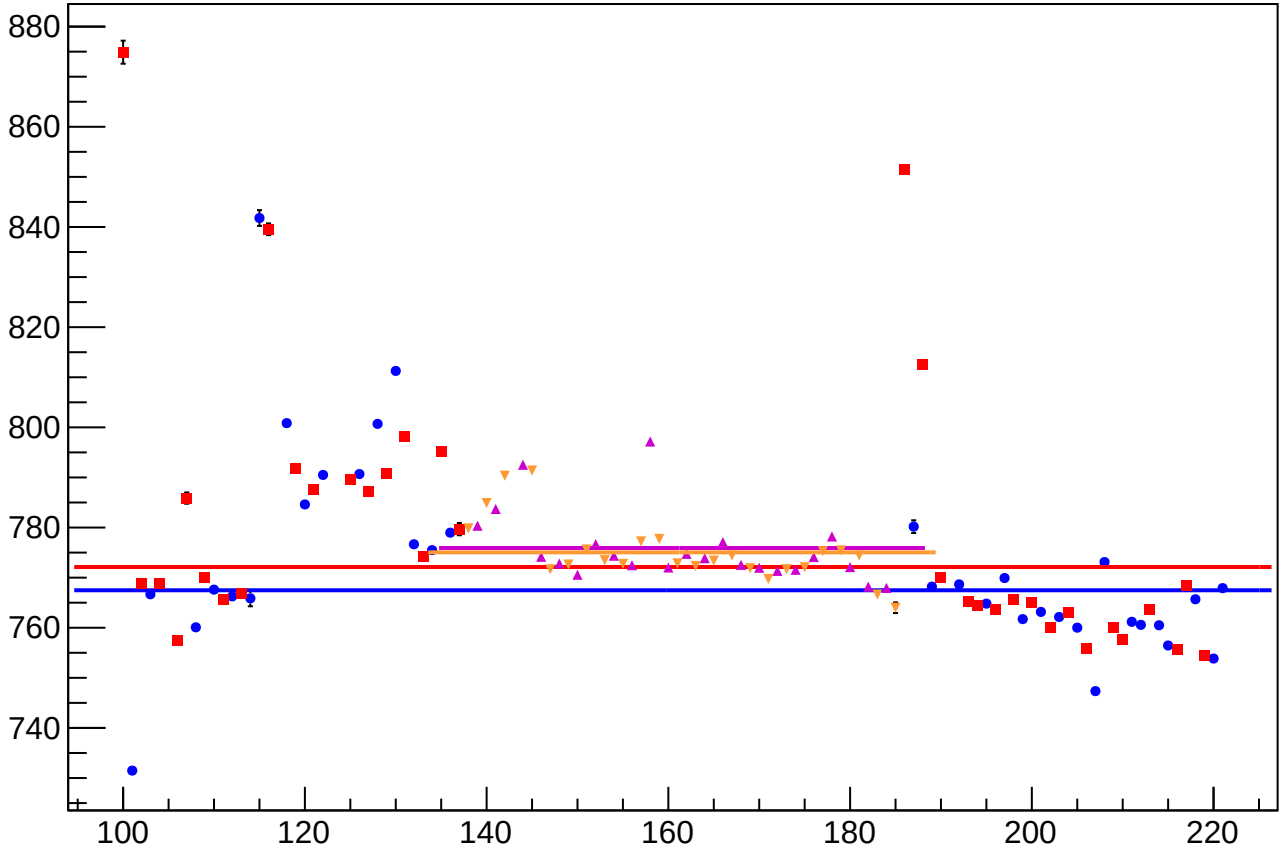
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -191.597+/-120.897 χ^2/NDF: 34.7/57

All: -83.619+/-86.269 χ^2/NDF: 85.6/115

- sign 28.400+/-123.138 χ^2/NDF: 49.3/57

reg_asym_us_dd_rms vs Slug



Right In: 767.480+/-0.115 χ^2/NDF: 17840.0/33

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

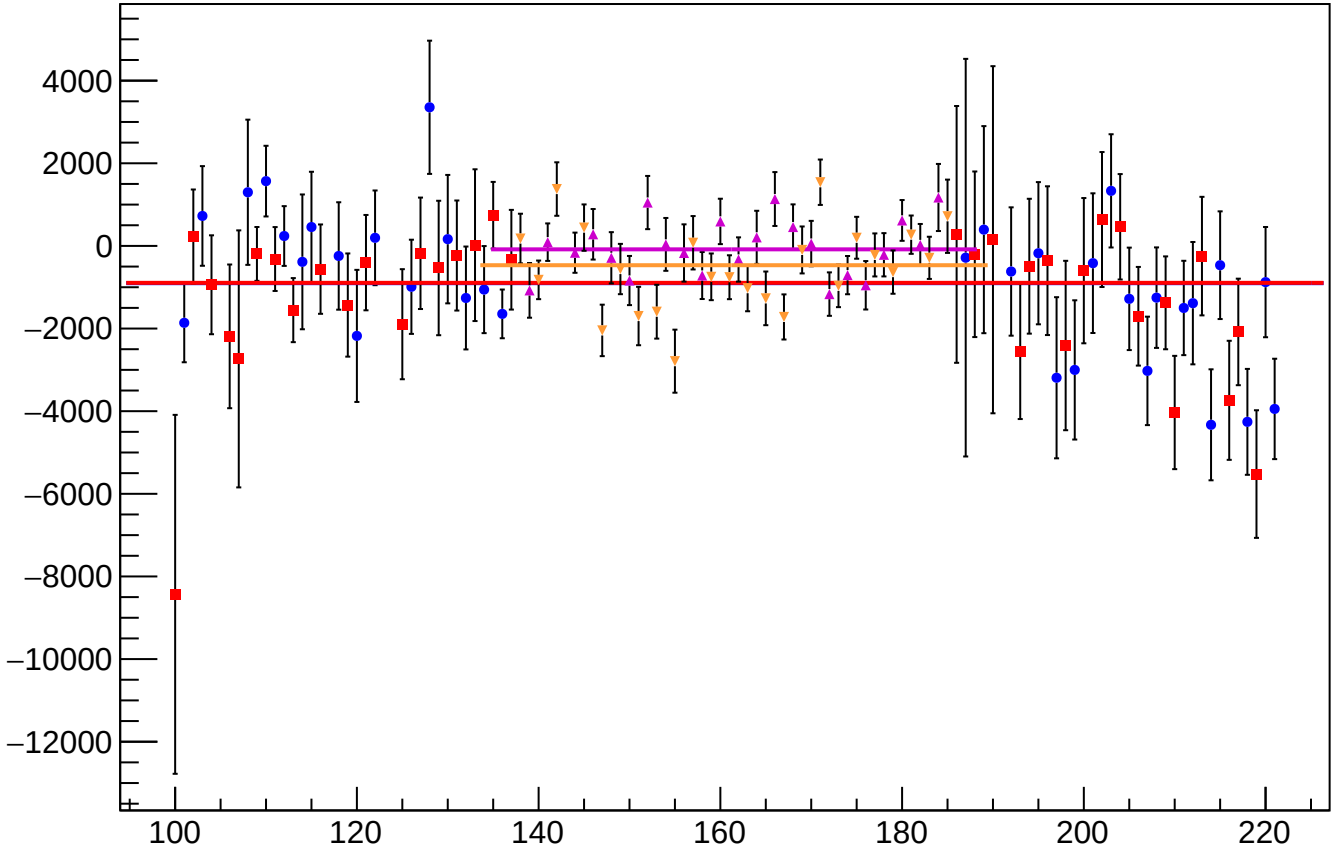
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 770.899+/-0.085 χ^2/NDF: 21733.2/57

All: 772.361+/-0.061 χ^2/NDF: 52960.5/115

- sign 773.878+/-0.087 χ^2/NDF: 30631.2/57

asym_us_dd_reg_correction_mean vs Slug



Right In: -901.856+/-210.197 χ^2/NDF: 56.4/33

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

Right Out: -893.869+/-215.676 χ^2/NDF: 37.4/34

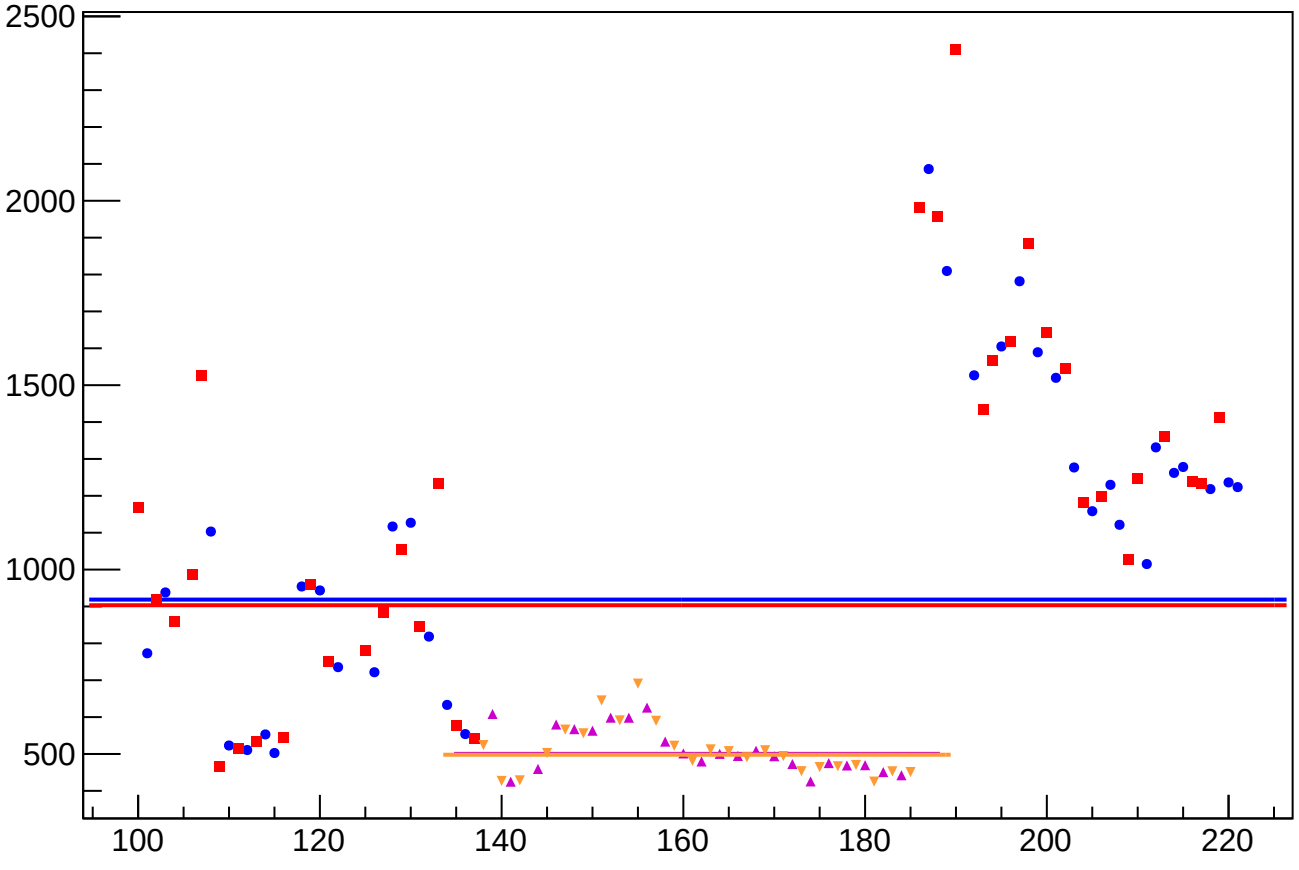
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -569.590+/-102.038 χ^2/NDF: 124.1/57

All: -421.497+/-72.625 χ^2/NDF: 204.8/115

- sign -269.455+/-103.389 χ^2/NDF: 76.4/57

asym_us_dd_reg_correction_rms vs Slug



Right In: 918.613+/-0.149 χ^2/NDF: 5669045.2/33

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

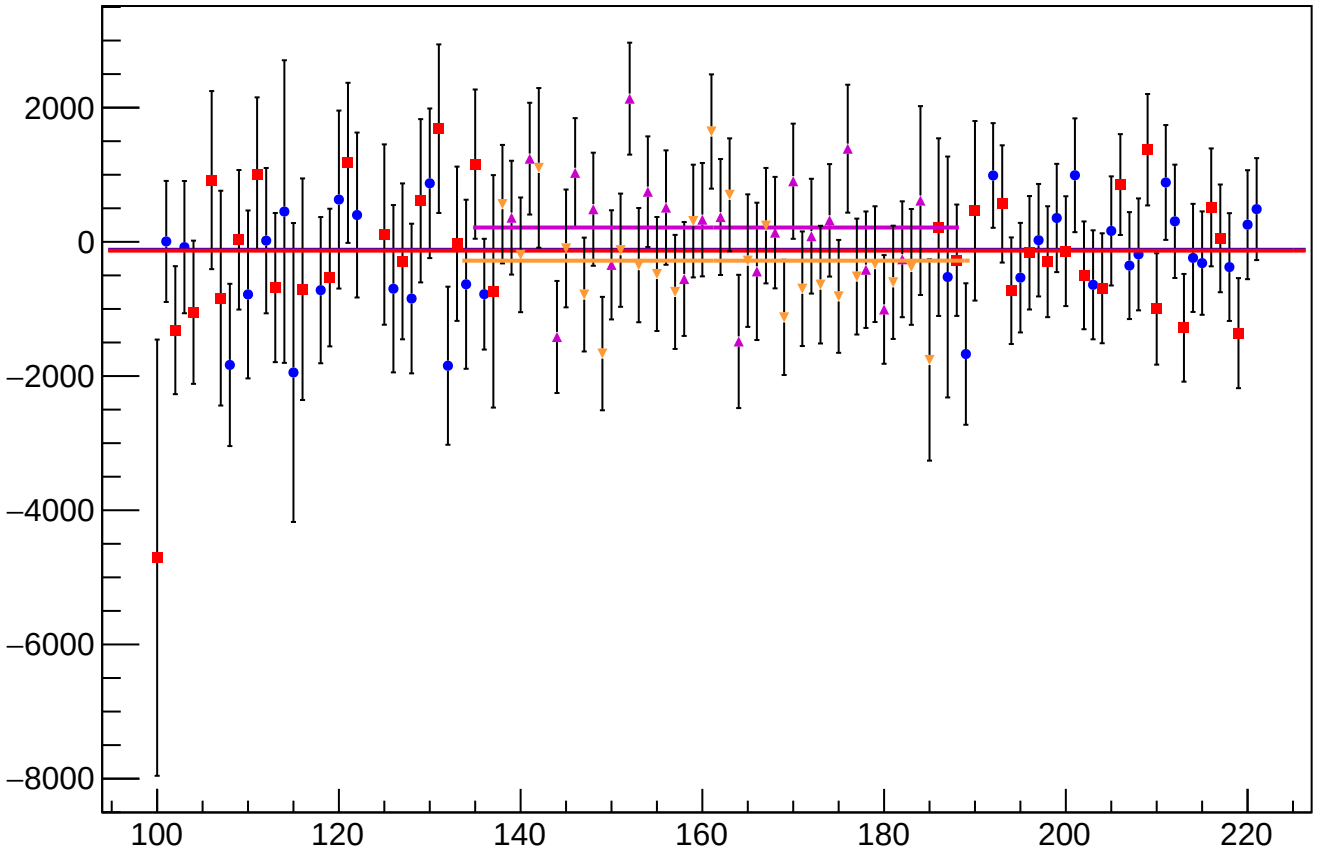
Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

+ sign 597.092+/-0.072 χ^2/NDF: 12318171.2/57

All: 595.034+/-0.051 χ^2/NDF: 25050750.0/11

- sign 592.922+/-0.073 χ^2/NDF: 12730930.3/57



Right In: -118.465+/-163.272 χ^2/NDF: 18.1/33

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

Right Out: -130.475+/-167.878 χ^2/NDF: 25.0/34

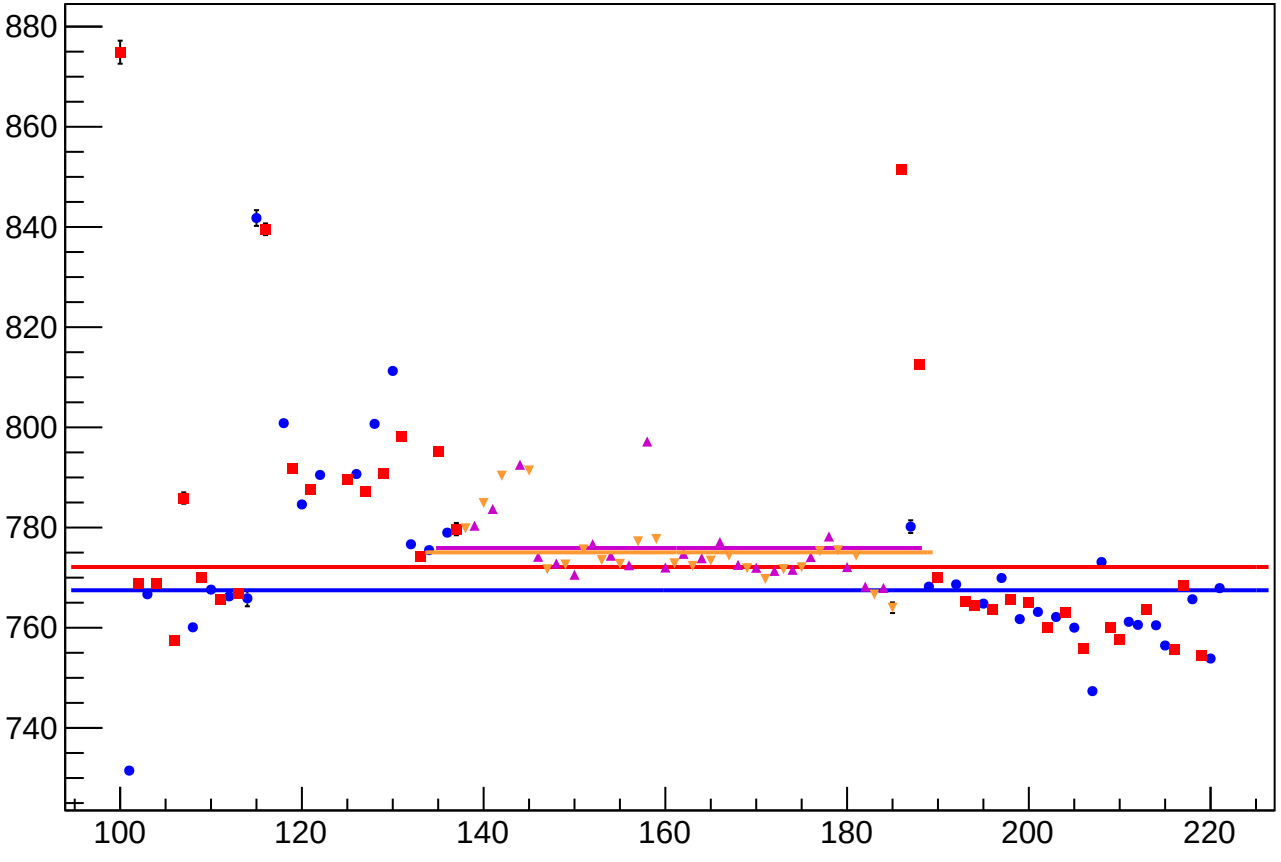
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -191.597+/-120.897 χ^2/NDF: 34.7/57

All: -83.619+/-86.269 χ^2/NDF: 85.6/115

- sign 28.400+/-123.138 χ^2/NDF: 49.3/57

cor_asym_us_dd_rms vs Slug



Right In: 767.480+/-0.115 χ^2/NDF: 17840.0/33

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

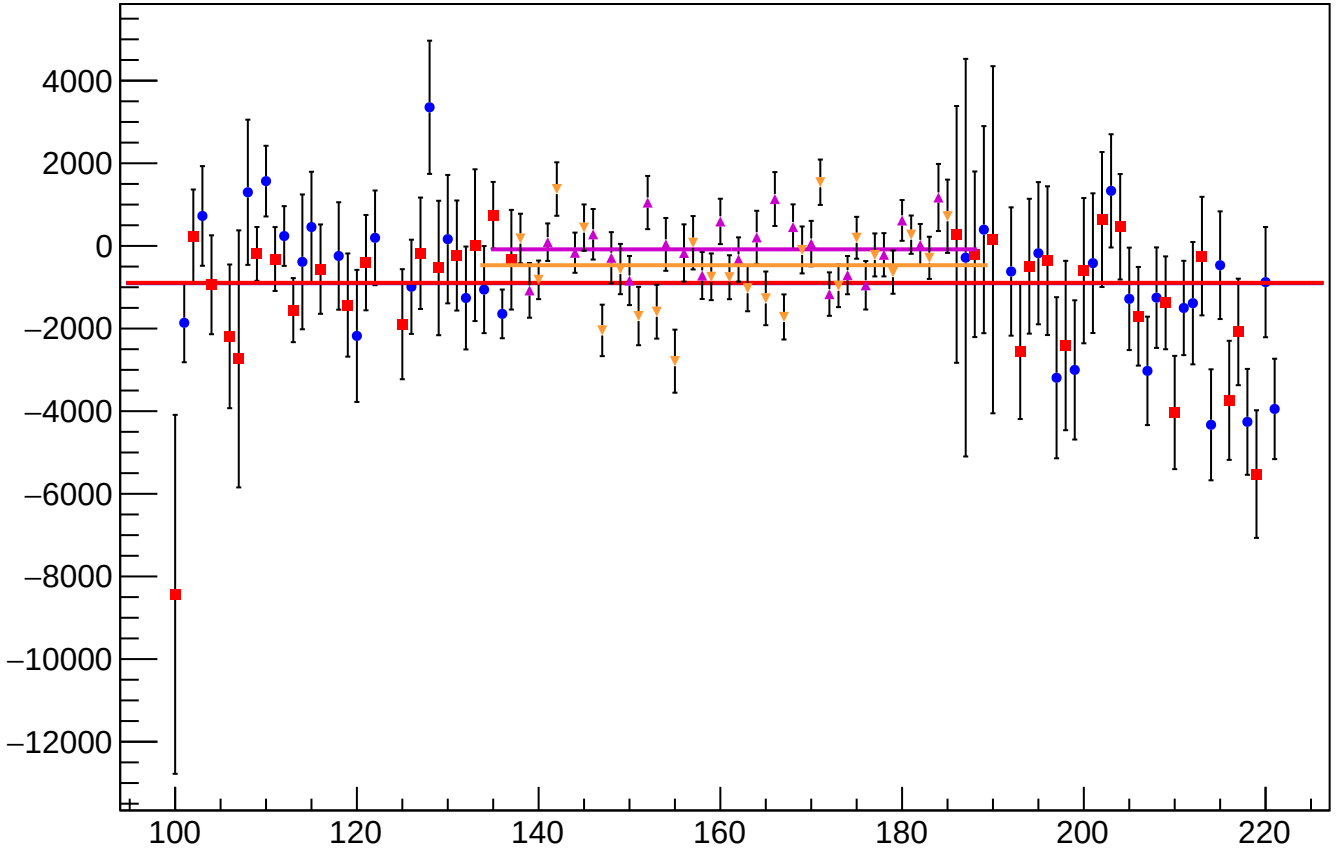
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 770.899+/-0.085 χ^2/NDF: 21733.2/57

All: 772.361+/-0.061 χ^2/NDF: 52960.5/115

- sign 773.878+/-0.087 χ^2/NDF: 30631.2/57

asym_us_dd_cor_correction_mean vs Slug



Right In: -901.856+/-210.197 χ^2/NDF: 56.4/33

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

Right Out: -893.869+/-215.676 χ^2/NDF: 37.4/34

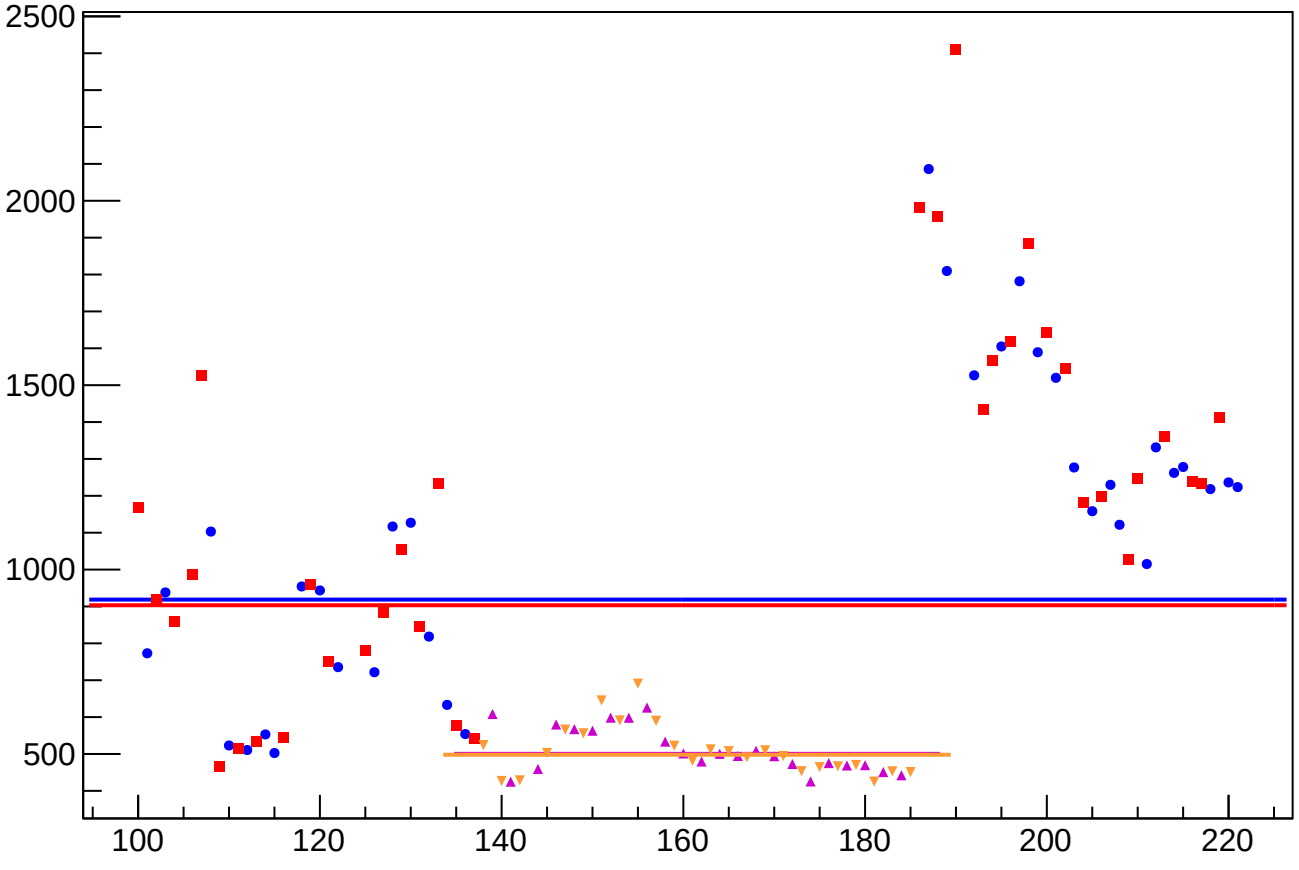
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -569.590+/-102.038 χ^2/NDF: 124.1/57

All: -421.497+/-72.625 χ^2/NDF: 204.8/115

- sign -269.455+/-103.389 χ^2/NDF: 76.4/57

asym_us_dd_cor_correction_rms vs Slug



Right In: 918.613+/-0.149 χ^2/NDF: 5669045.2/33

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

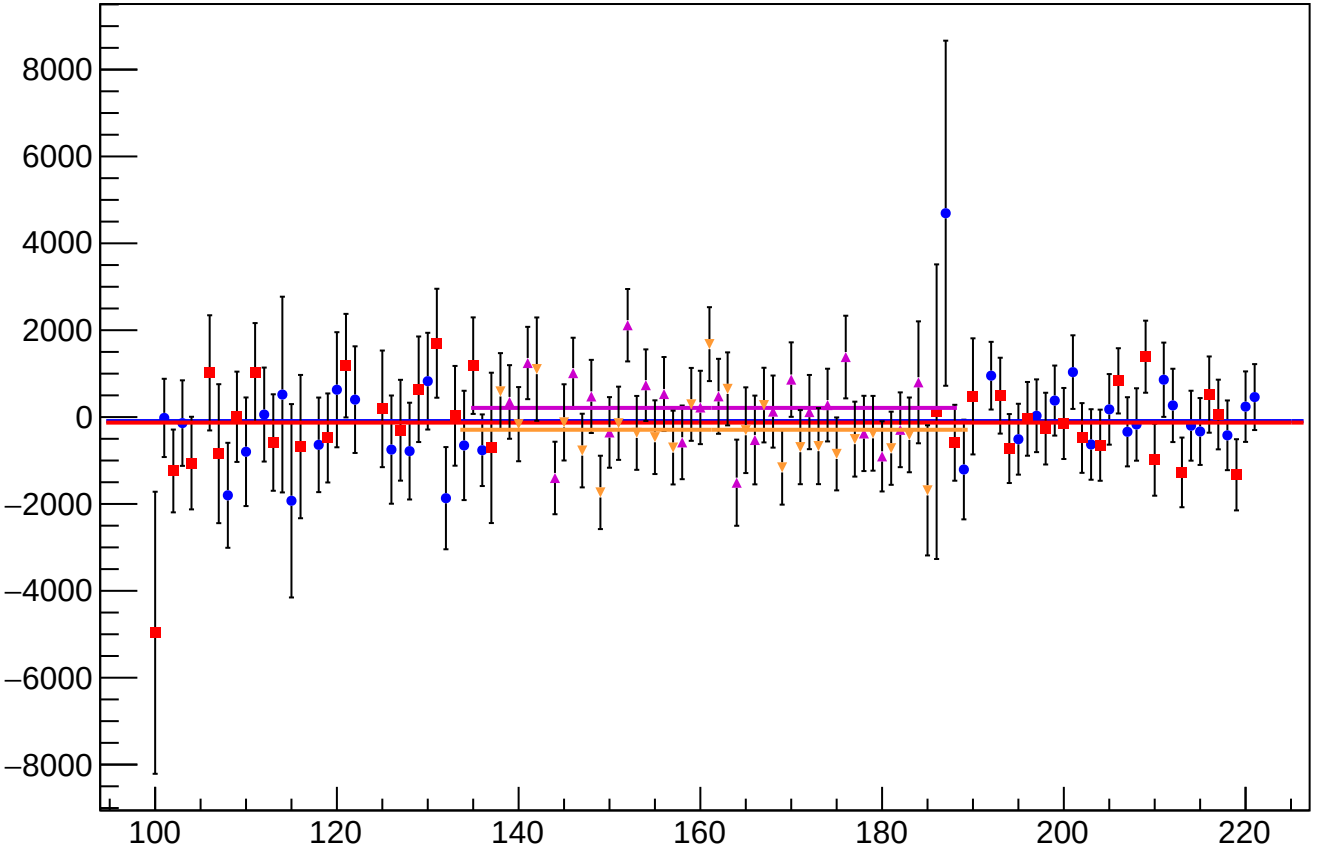
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 597.092+/-0.072 χ^2/NDF: 12318171.2/57

All: 595.034+/-0.051 χ^2/NDF: 25050750.0/11

- sign 592.922+/-0.073 χ^2/NDF: 12730930.3/57

overload_cor_asym_us_dd_mean vs Slug



Right In: -91.694+/-163.985 χ^2/NDF: 17.9/33

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

Right Out: -127.431+/-169.279 χ^2/NDF: 25.1/34

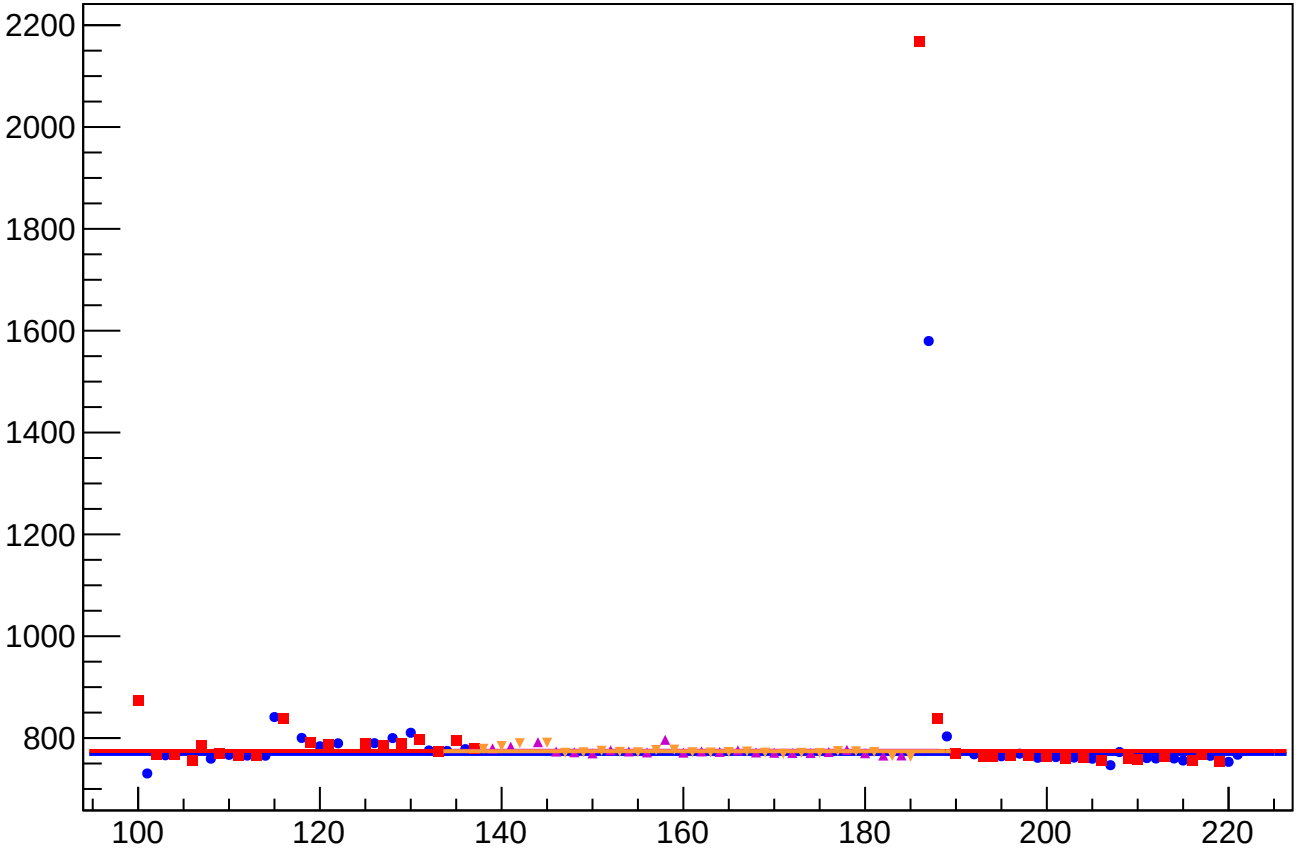
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -182.740+/-121.121 χ^2/NDF: 35.2/57

All: -78.232+/-86.515 χ^2/NDF: 85.8/115

- sign 30.630+/-123.619 χ^2/NDF: 49.1/57

overload_cor_asym_us_dd_rms vs Slug



Right In: 768.835+/-0.116 χ^2/NDF: 103207.4/33

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

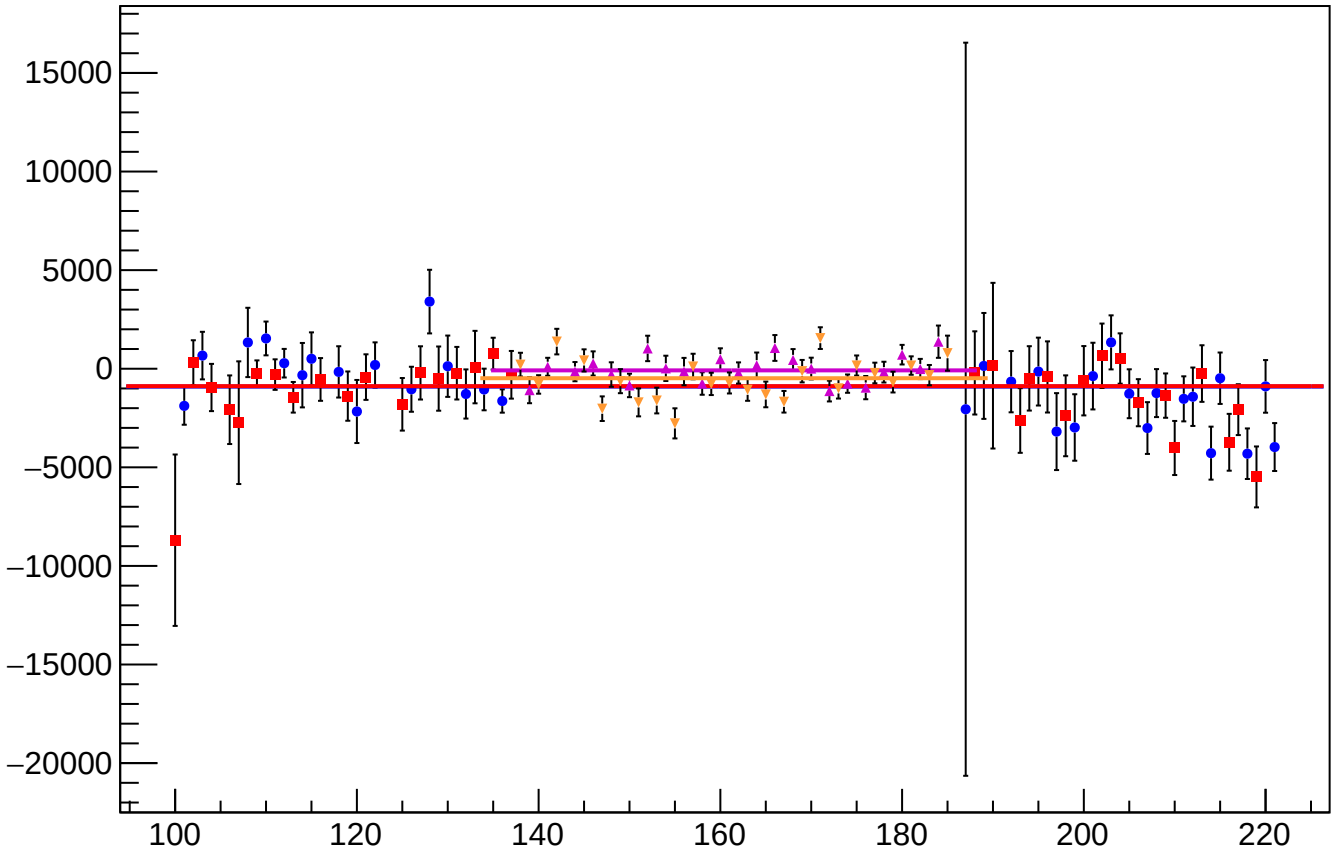
Right Out: 774.565+/-0.120 χ^2/NDF: 364898.6/34

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

+ sign 771.247+/-0.086 χ^2/NDF: 106219.7/57

All: 772.969+/-0.061 χ^2/NDF: 475098.1/115

- sign 774.763+/-0.087 χ^2/NDF: 368052.6/57



Right In: -905.250+/-210.694 χ^2/NDF: 56.5/33

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

Right Out: -883.898+/-216.566 χ^2/NDF: 37.2/33

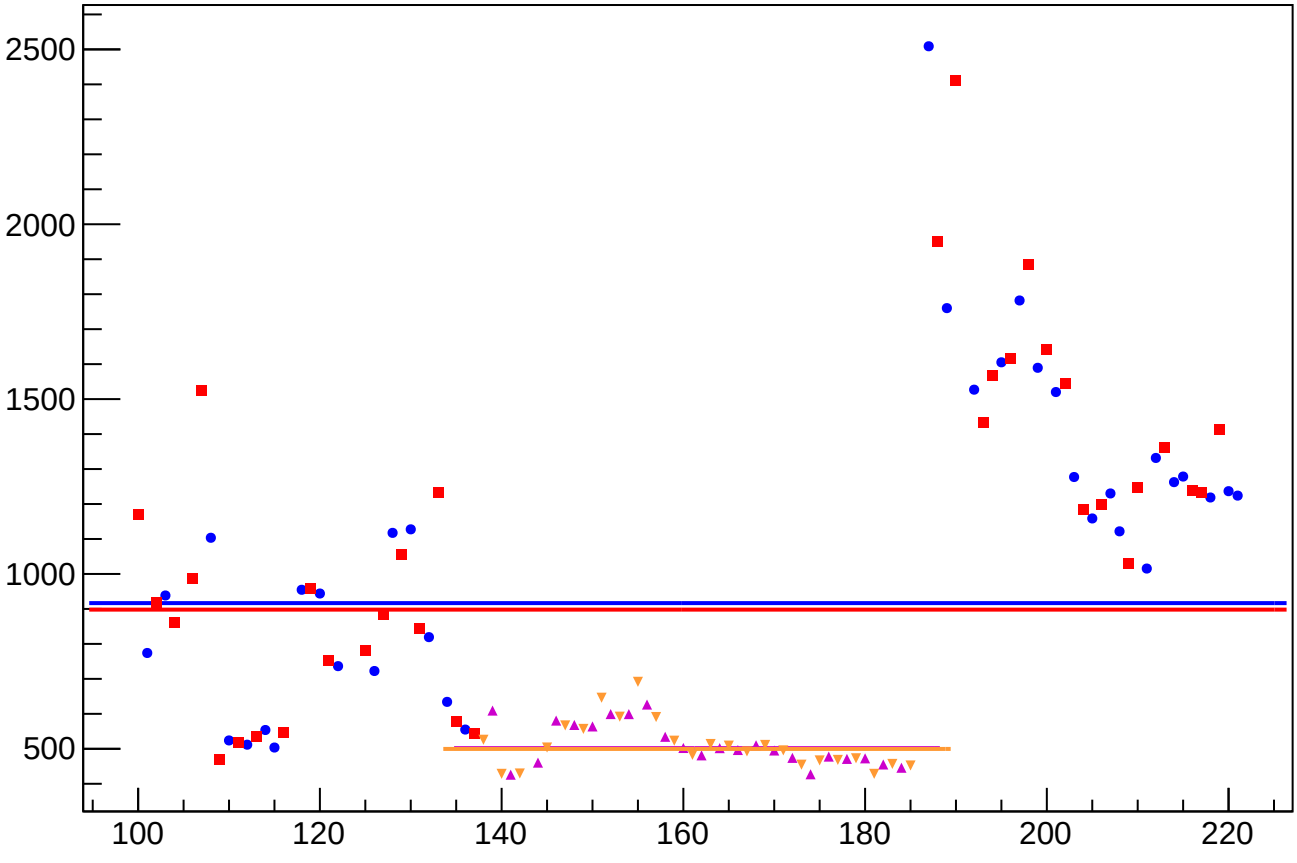
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -581.350+/-102.348 χ^2/NDF: 123.1/57

All: -426.290+/-72.861 χ^2/NDF: 203.7/114

- sign -266.958+/-103.749 χ^2/NDF: 75.9/56

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 916.636+/-0.149 χ^2/NDF: 5489806.5/33

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

Right Out: 898.016+/-0.153 χ^2/NDF: 6545099.5/33

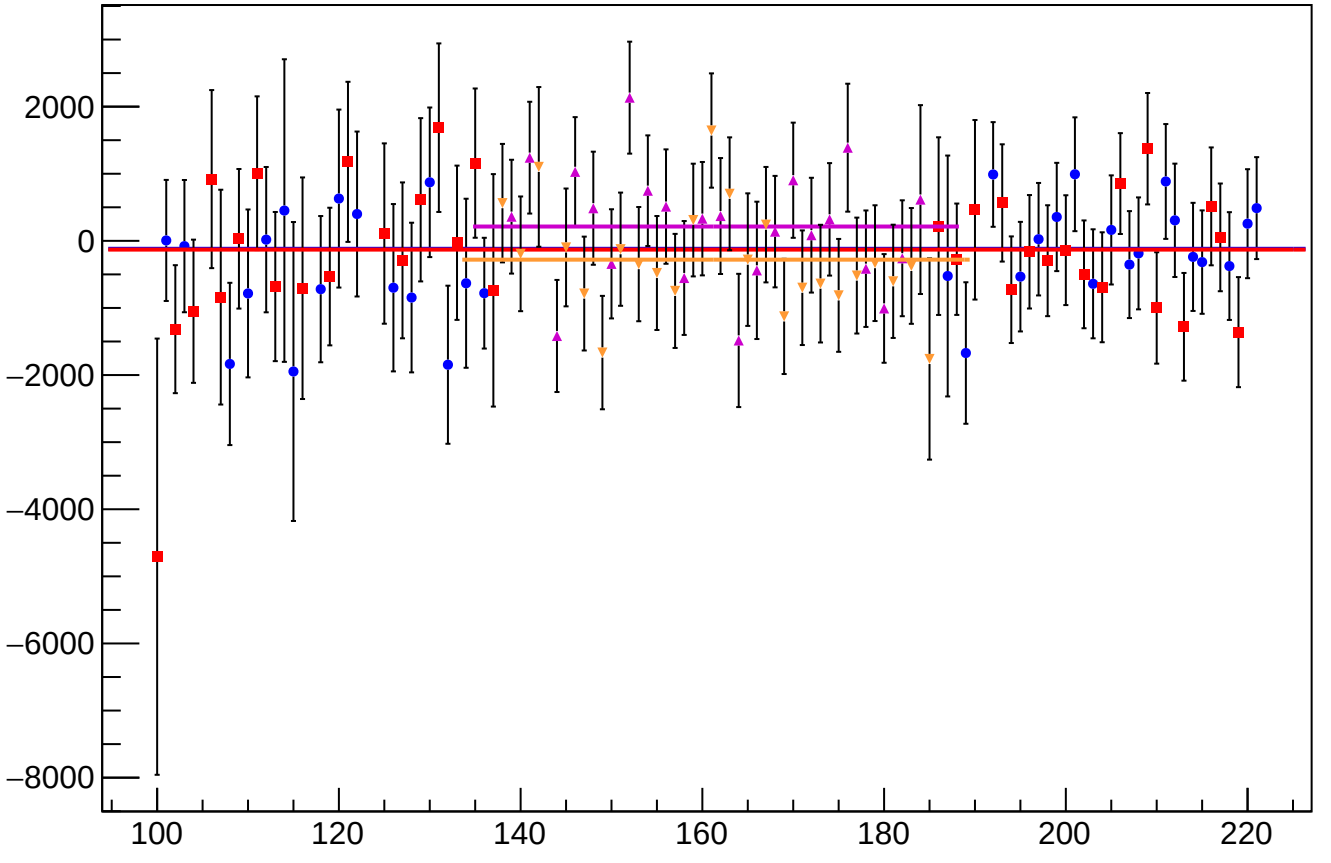
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 598.062+/-0.072 χ^2/NDF: 11990763.5/57

All: 595.519+/-0.052 χ^2/NDF: 24157984.3/11

- sign 592.906+/-0.073 χ^2/NDF: 12164717.8/56

eigen_cor_asym_us_dd_mean vs Slug



Right In: -118.465+/-163.272 χ^2/NDF: 18.1/33

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

Right Out: -130.475+/-167.878 χ^2/NDF: 25.0/34

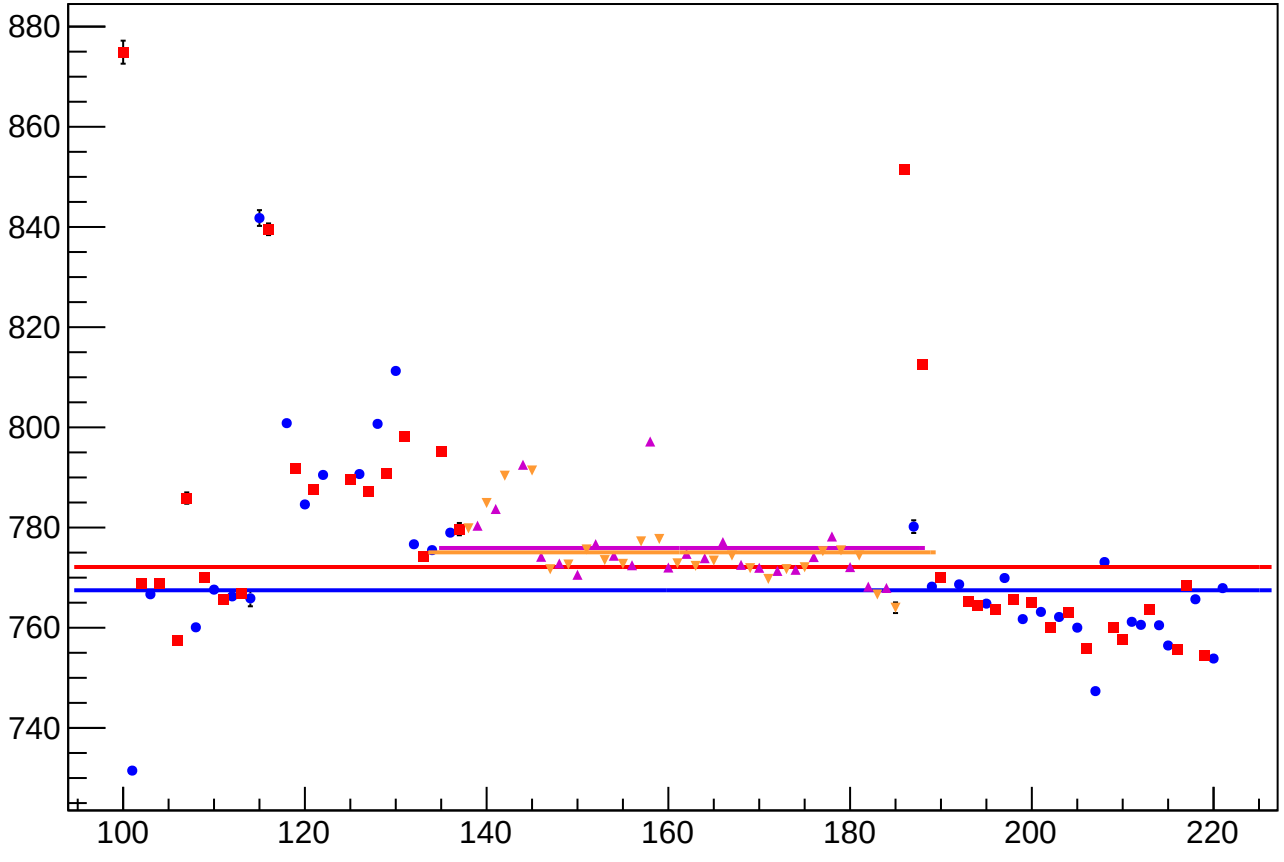
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -191.597+/-120.897 χ^2/NDF: 34.7/57

All: -83.619+/-86.269 χ^2/NDF: 85.6/115

- sign 28.400+/-123.138 χ^2/NDF: 49.3/57

eigen_cor_asym_us_dd_rms vs Slug



Right In: 767.480+/-0.115 χ^2/NDF: 17840.0/33

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

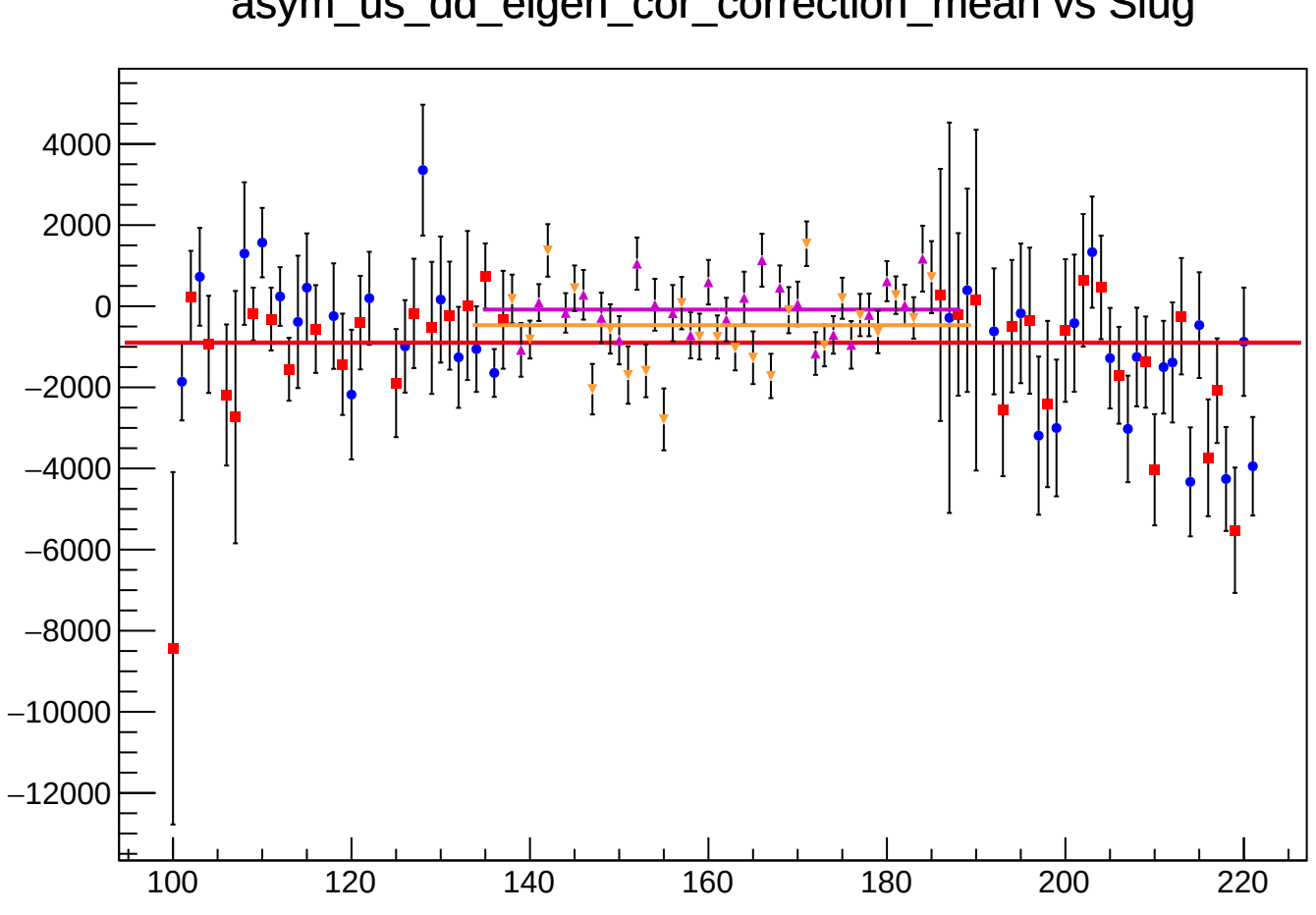
Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

+ sign 770.899+/-0.085 χ^2/NDF: 21733.2/57

All: 772.361+/-0.061 χ^2/NDF: 52960.5/115

- sign 773.878+/-0.087 χ^2/NDF: 30631.2/57



Right In: -901.856+/-210.197 χ^2/NDF: 56.4/33

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

Right Out: -893.869+/-215.676 χ^2/NDF: 37.4/34

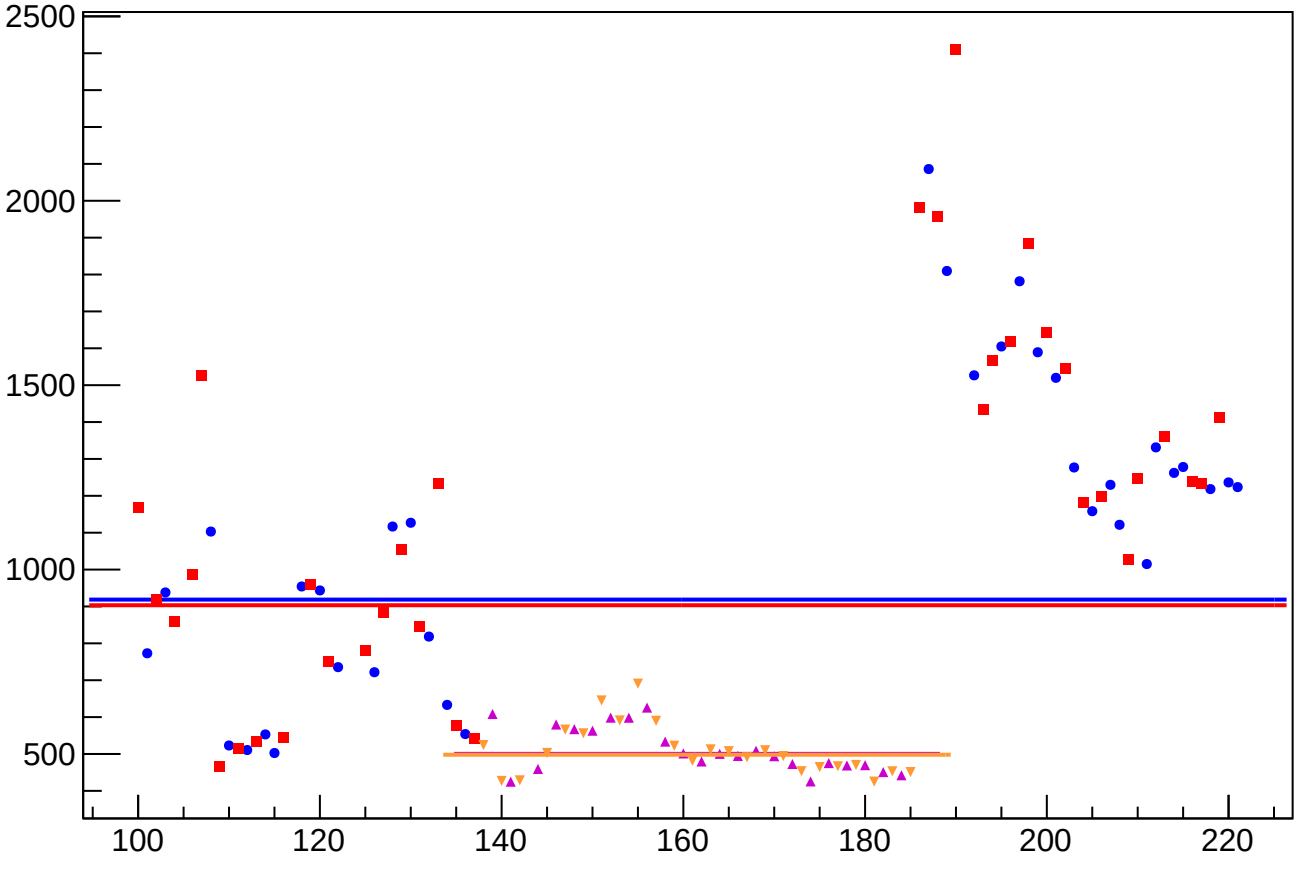
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -569.590+/-102.038 χ^2/NDF: 124.1/57

All: -421.497+/-72.625 χ^2/NDF: 204.8/115

- sign -269.455+/-103.389 χ^2/NDF: 76.4/57

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 918.613+/-0.149 χ^2/NDF: 5669045.2/33

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

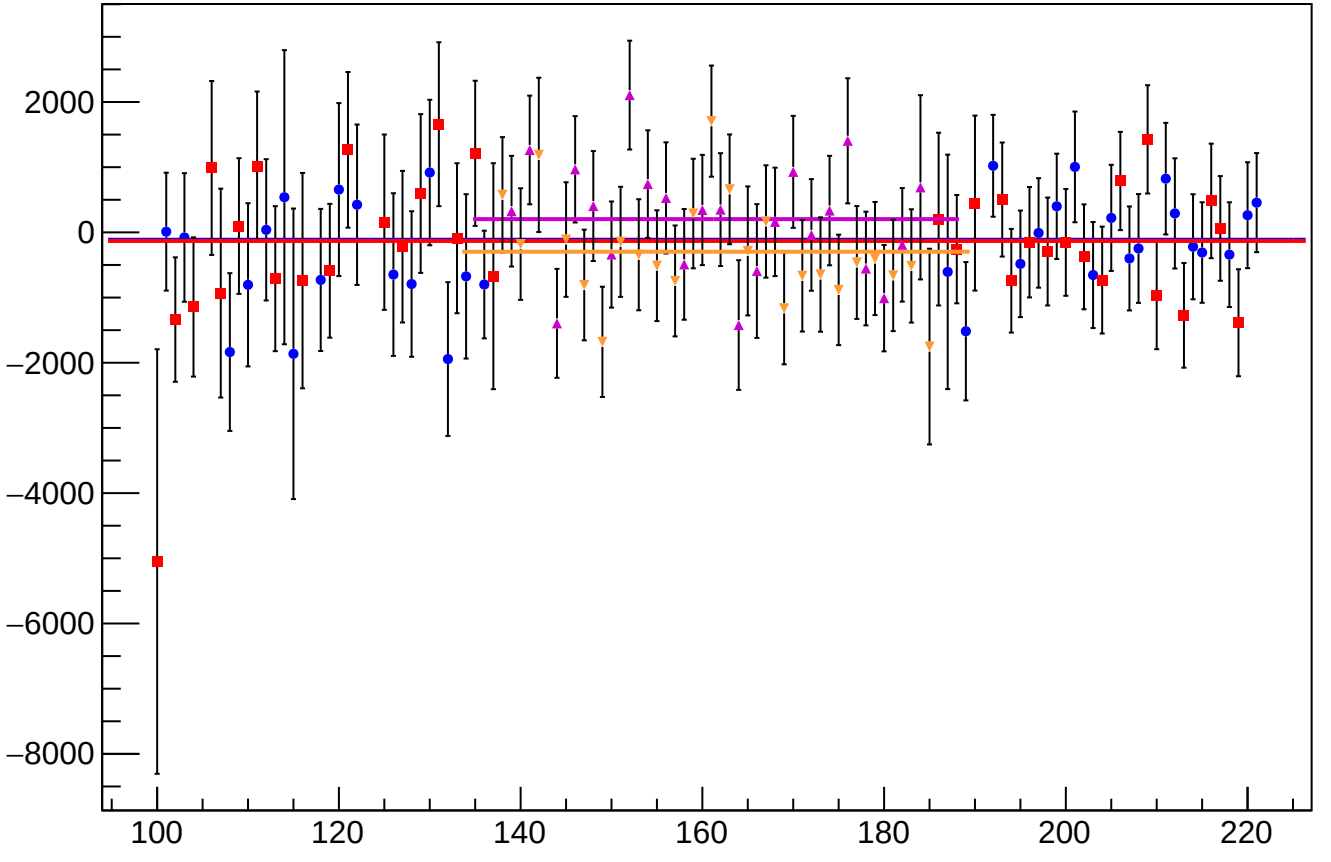
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

\+ sign 597.092+/-0.072 χ^2/NDF: 12318171.2/57

All: 595.034+/-0.051 χ^2/NDF: 25050750.0/11

\- sign 592.922+/-0.073 χ^2/NDF: 12730930.3/57

dit_asym_us_dd_mean vs Slug



Right In: -113.126+/-163.451 χ^2/NDF: 18.0/33

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

Right Out: -131.539+/-168.070 χ^2/NDF: 25.7/34

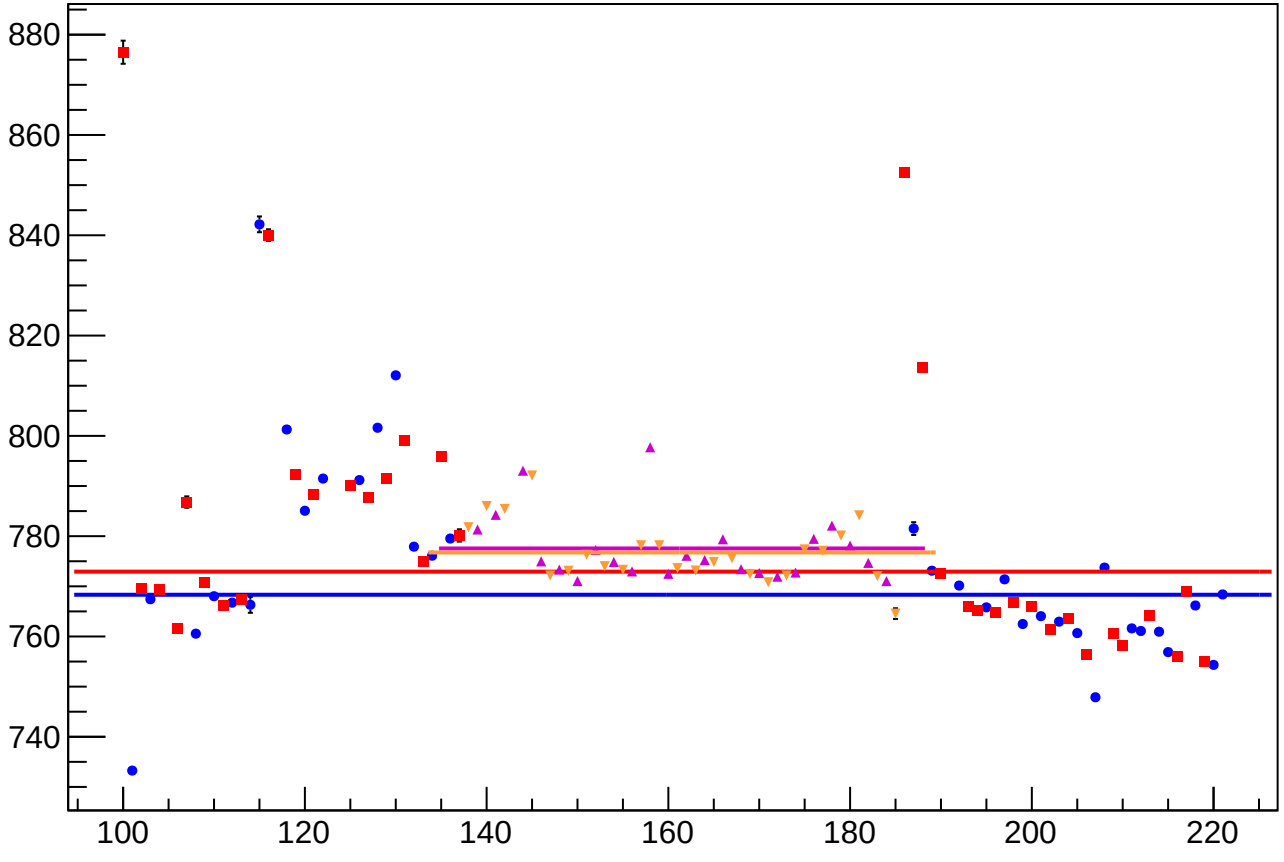
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -195.979+/-121.091 χ^2/NDF: 35.3/57

All: -88.494+/-86.406 χ^2/NDF: 86.6/115

- sign 23.009+/-123.333 χ^2/NDF: 49.7/57

dit_asym_us_dd_rms vs Slug



Right In: 768.320+/-0.116 χ^2/NDF: 17754.6/33

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

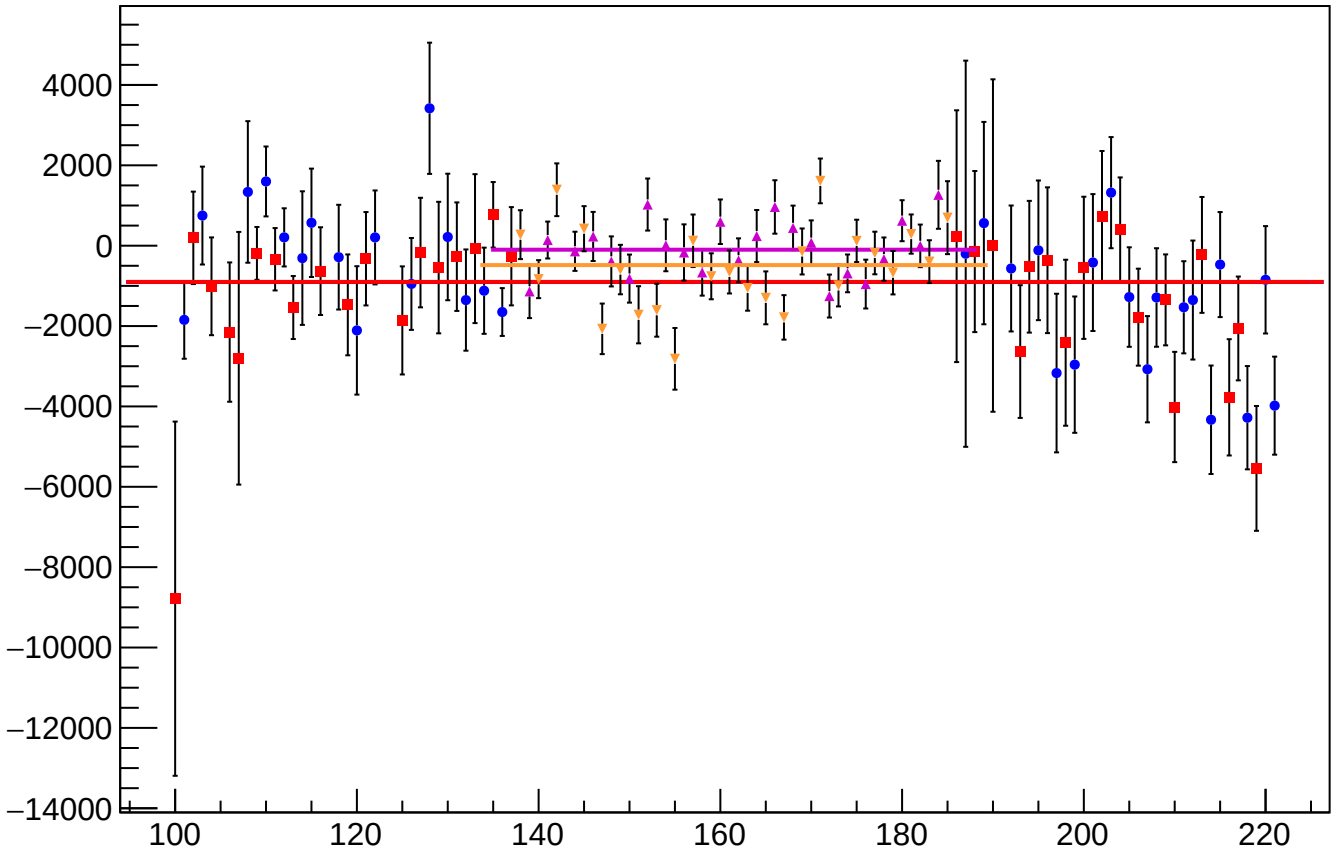
Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

+ sign 772.123+/-0.086 χ^2/NDF: 21981.6/57

All: 773.565+/-0.061 χ^2/NDF: 53176.1/115

- sign 775.060+/-0.087 χ^2/NDF: 30617.0/57



Right In: -903.786+/-211.870 χ^2/NDF: 56.5/33

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

Right Out: -901.061+/-217.370 χ^2/NDF: 37.5/34

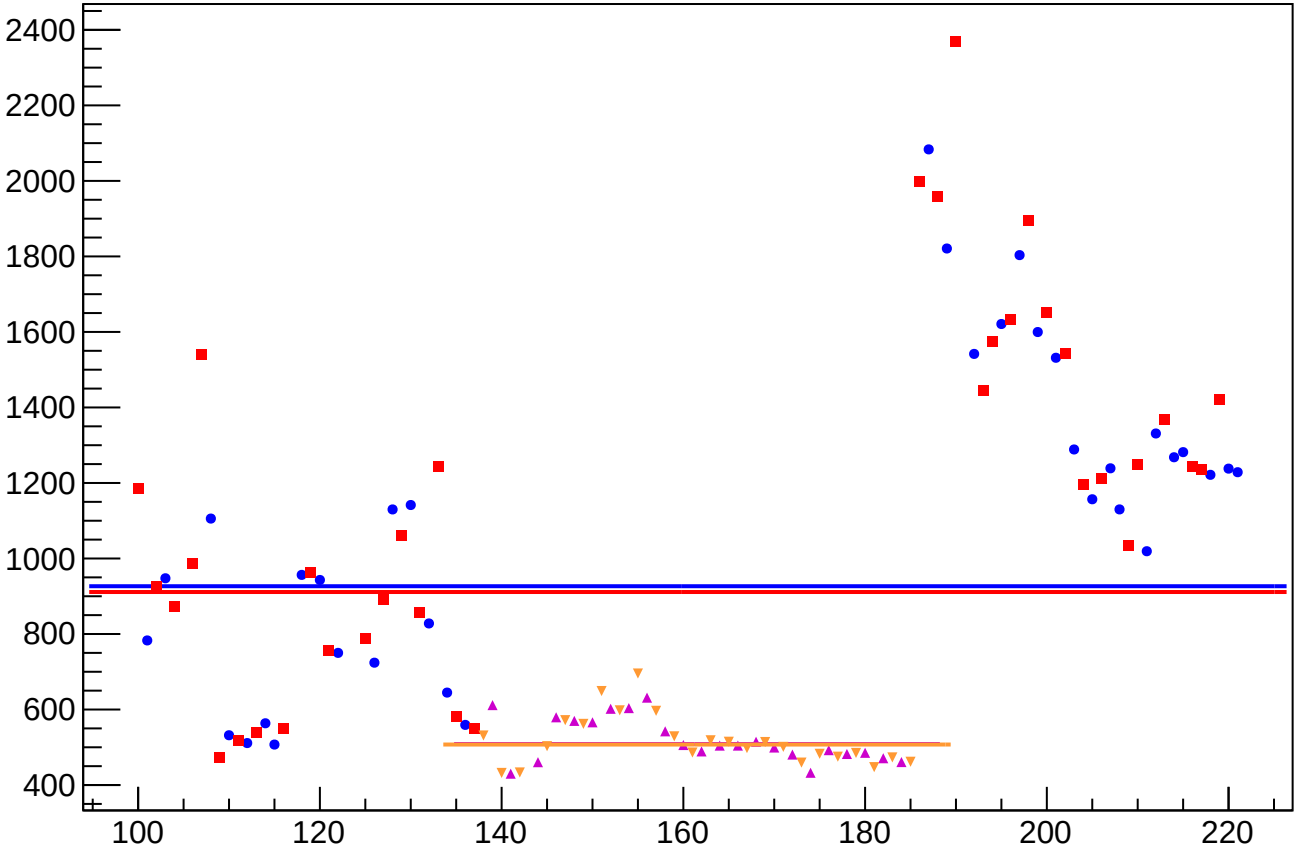
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -583.573+/-103.625 χ^2/NDF: 124.6/57

All: -436.678+/-73.699 χ^2/NDF: 204.0/115

- sign -286.326+/-104.837 χ^2/NDF: 75.3/57

asym_us_dd_dit_correction_rms vs Slug



Right In: 926.563+/-0.150 χ^2/NDF: 5620131.3/33

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

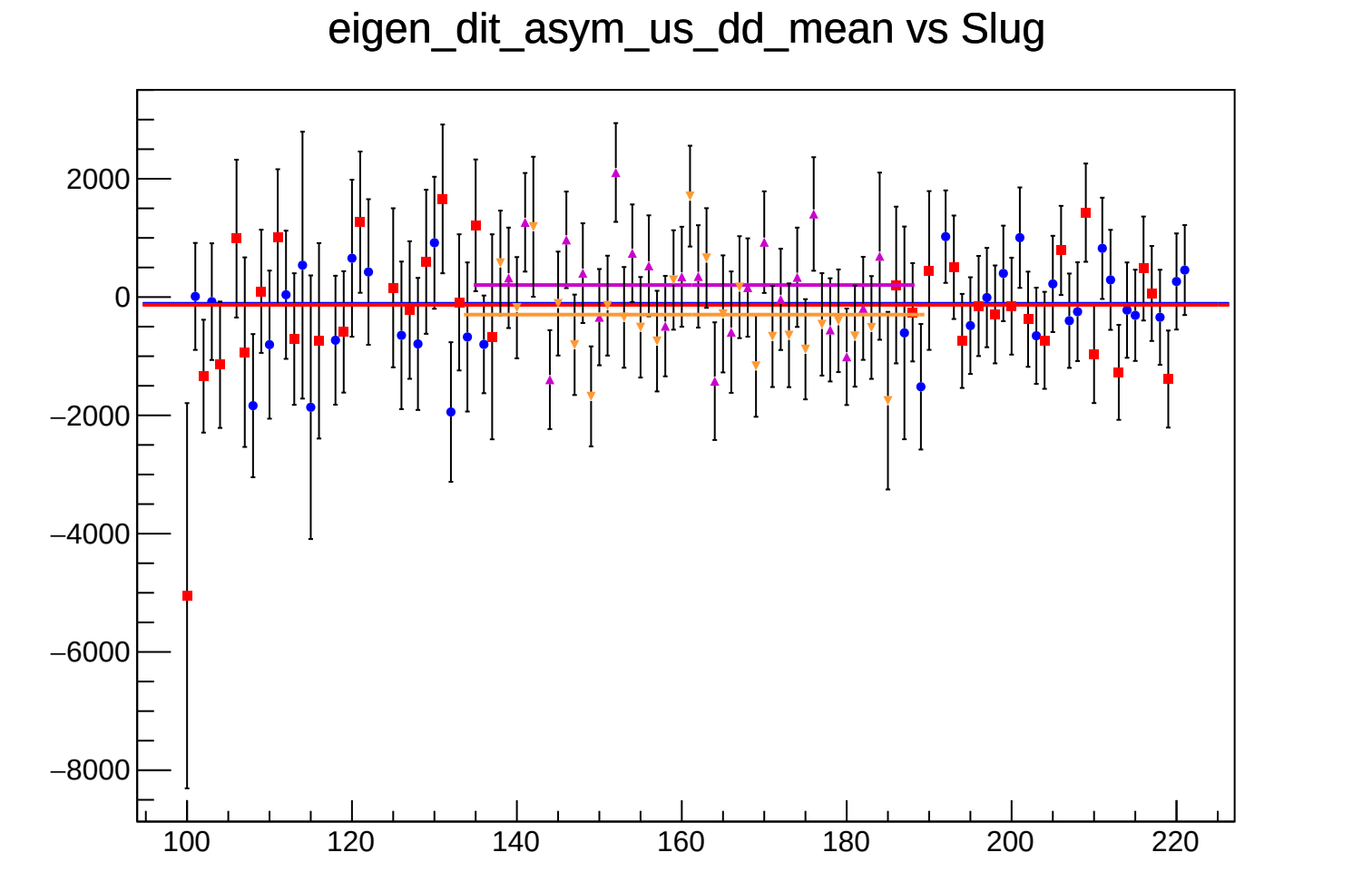
Right Out: 911.226+/-0.154 χ^2/NDF: 6816699.3/34

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

+ sign 607.610+/-0.073 χ^2/NDF: 12051907.7/57

All: 604.979+/-0.052 χ^2/NDF: 24568288.9/11

- sign 602.286+/-0.074 χ^2/NDF: 12513772.4/57



Right In: -113.126+/-163.451 χ^2/NDF: 18.0/33

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

Right Out: -131.535+/-168.070 χ^2/NDF: 25.7/34

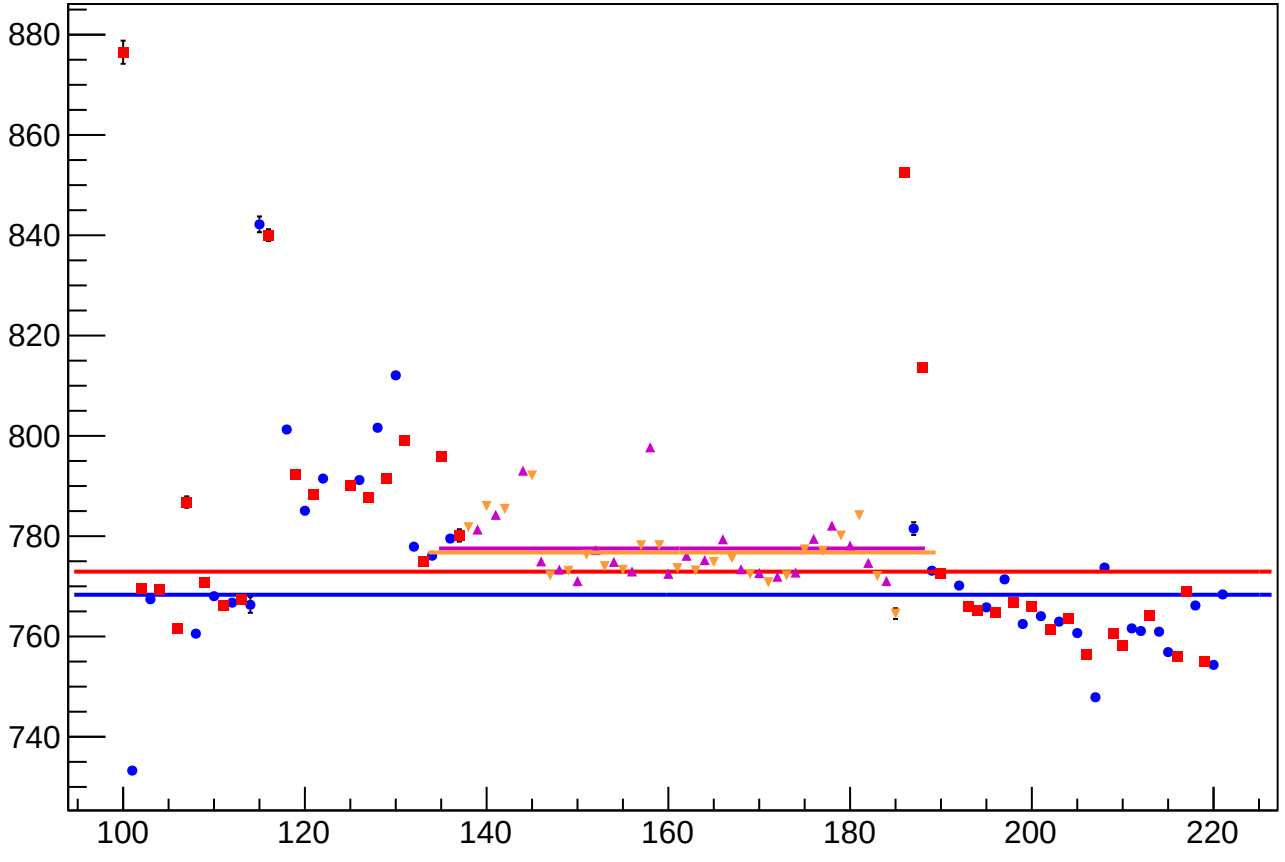
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -195.979+/-121.091 χ^2/NDF: 35.3/57

All: -88.493+/-86.406 χ^2/NDF: 86.6/115

- sign 23.011+/-123.333 χ^2/NDF: 49.7/57

eigen_dit_asym_us_dd_rms vs Slug



Right In: 768.320+/-0.116 χ^2/NDF: 17754.5/33

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

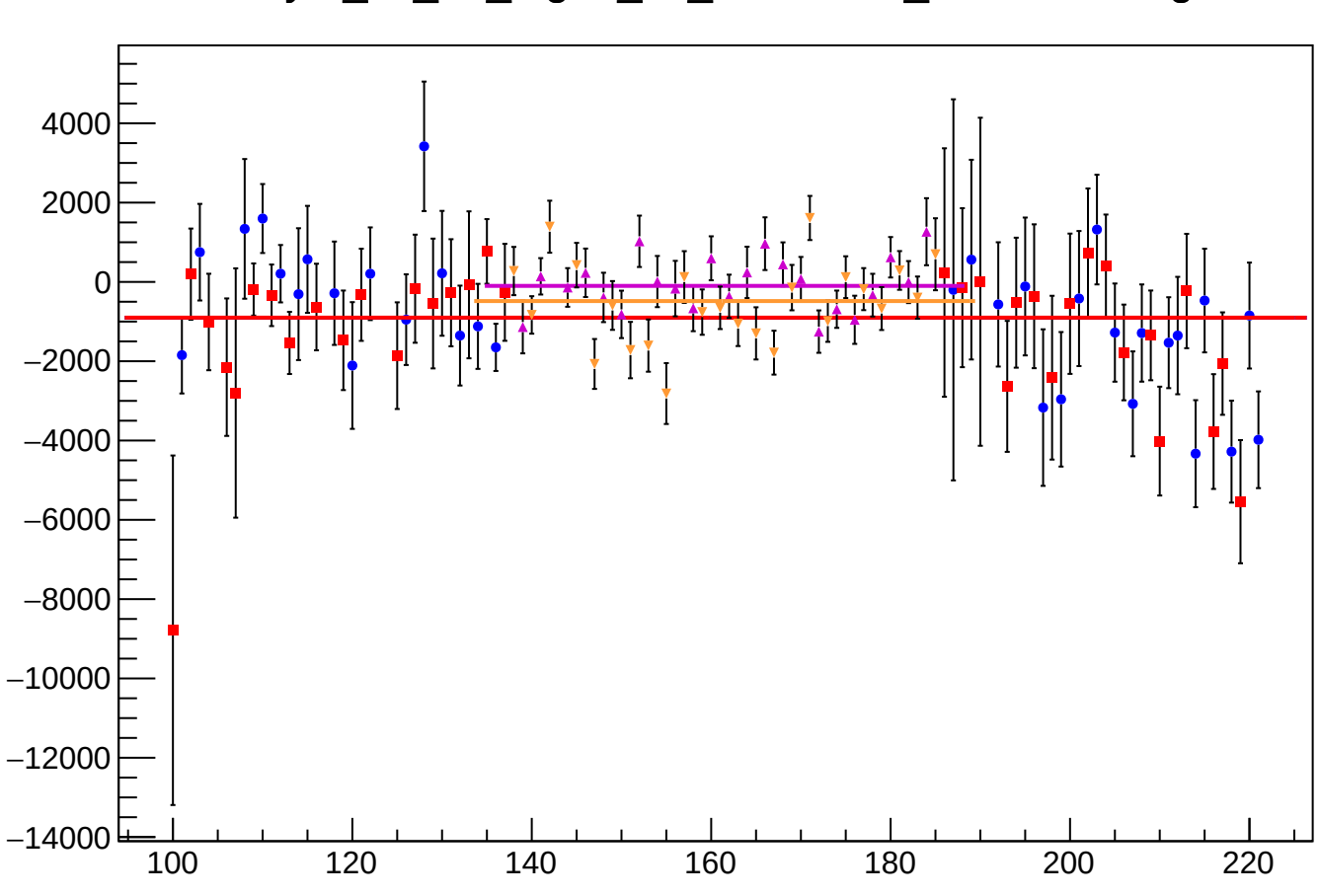
Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

+ sign 772.123+/-0.086 χ^2/NDF: 21981.6/57

All: 773.565+/-0.061 χ^2/NDF: 53176.0/115

- sign 775.060+/-0.087 χ^2/NDF: 30617.0/57



Right In: -903.779+/-211.870 χ^2/NDF: 56.5/33

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

Right Out: -901.057+/-217.369 χ^2/NDF: 37.5/34

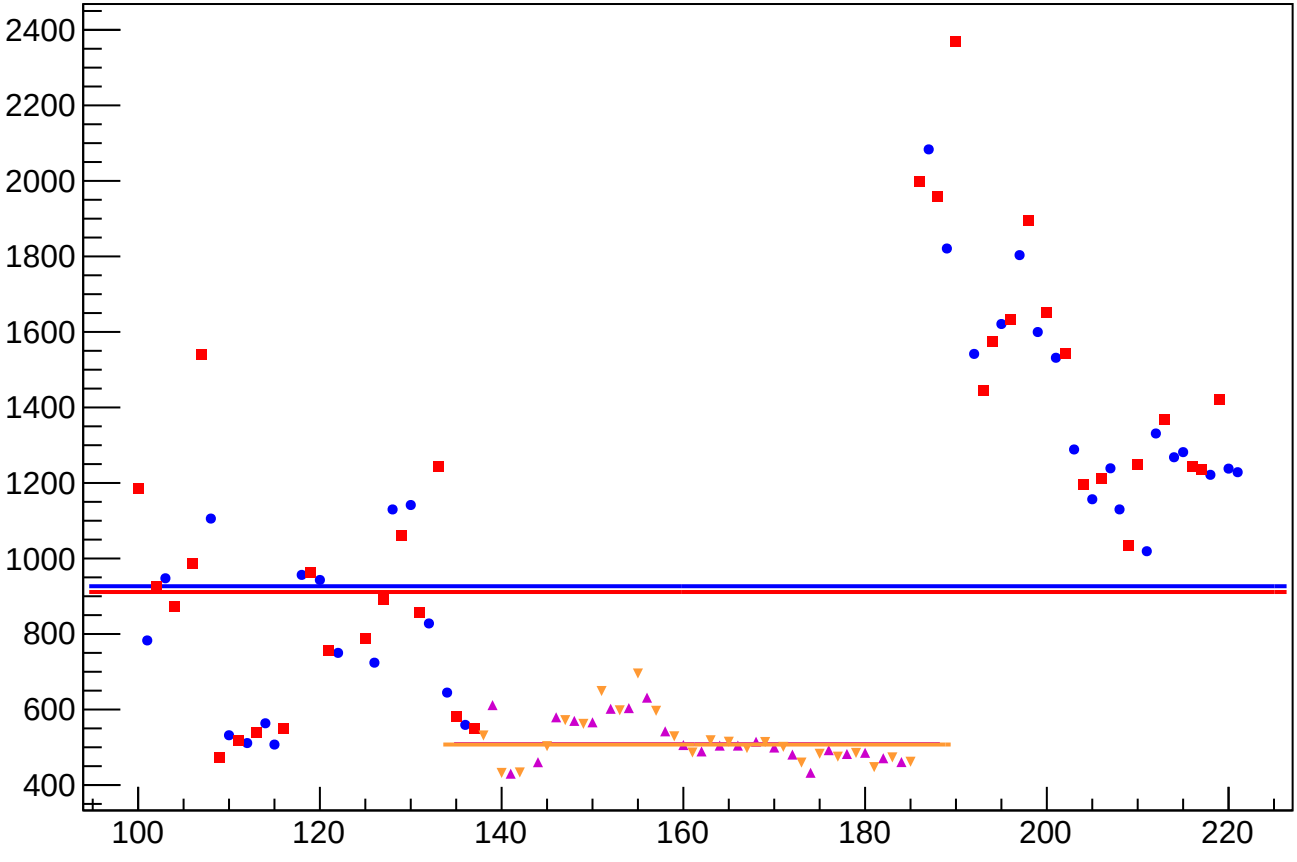
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -583.572+/-103.625 χ^2/NDF: 124.6/57

All: -436.677+/-73.699 χ^2/NDF: 204.0/115

- sign -286.326+/-104.837 χ^2/NDF: 75.3/57

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 926.560+/-0.150 χ^2/NDF: 5620212.3/33

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

Right Out: 911.223+/-0.154 χ^2/NDF: 6816775.1/34

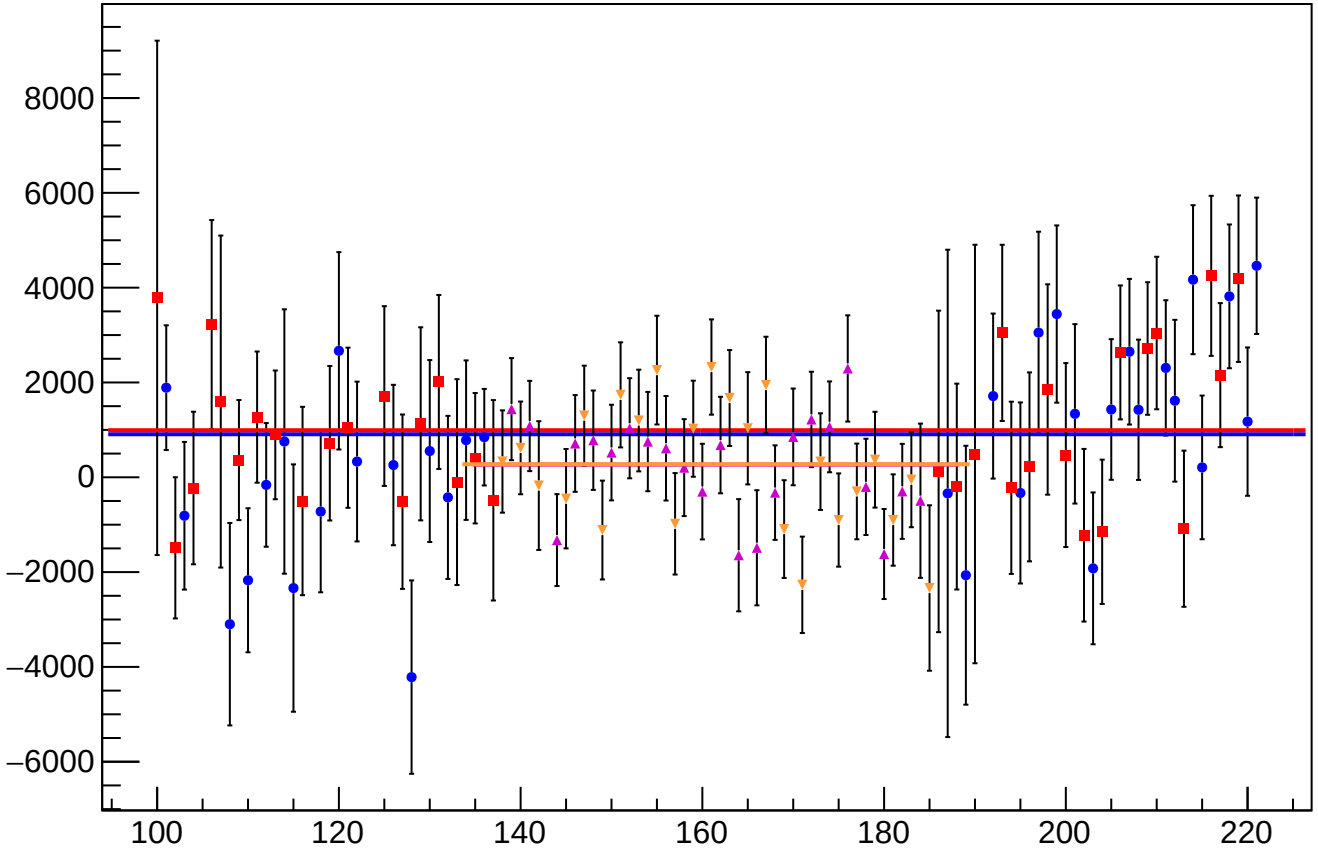
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 607.609+/-0.073 χ^2/NDF: 12051923.3/57

All: 604.978+/-0.052 χ^2/NDF: 24568328.9/11

- sign 602.285+/-0.074 χ^2/NDF: 12513796.6/57

asym_us_dd_mean vs Slug



Right In: 907.592+/-285.849 χ^2/NDF: 45.4/33

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

Right Out: 992.627+/-299.120 χ^2/NDF: 27.2/34

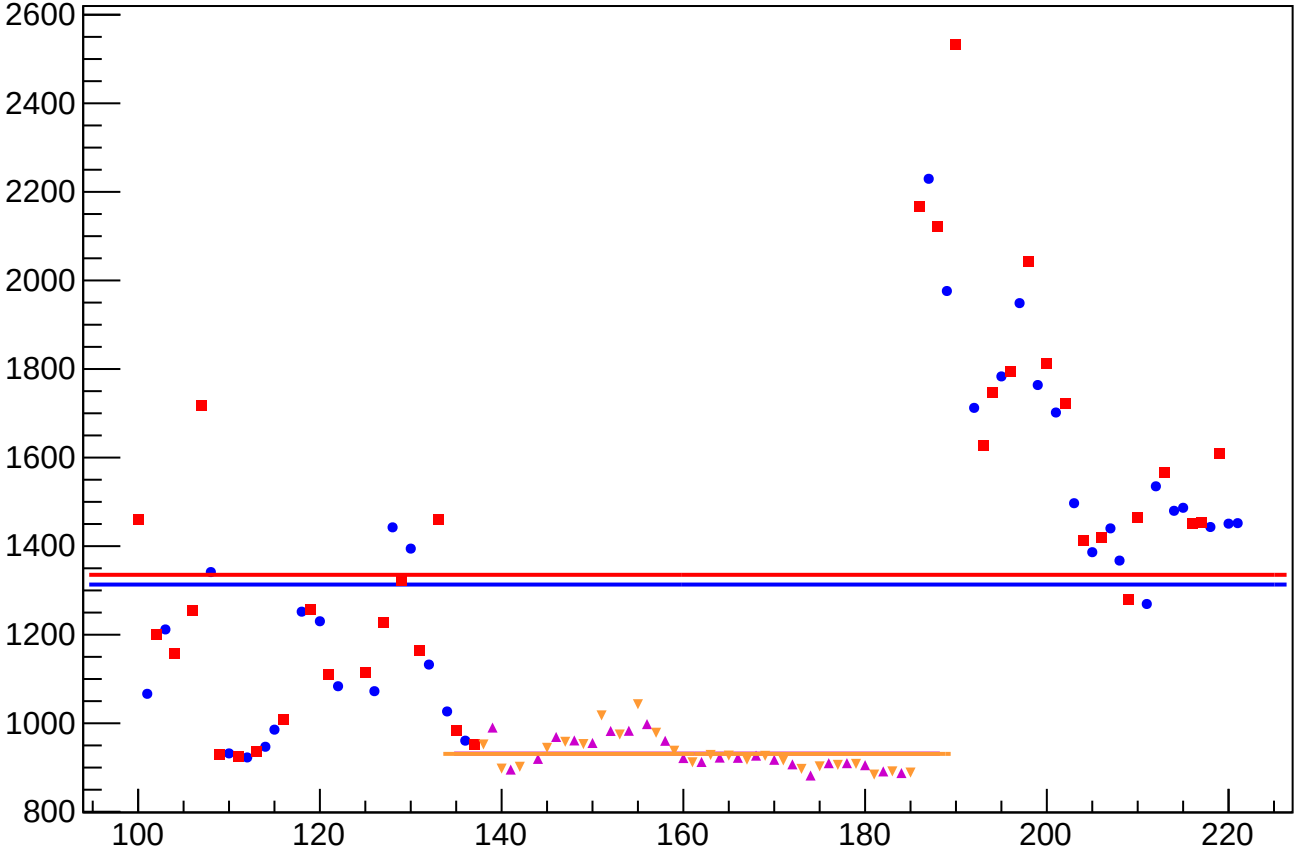
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 505.430+/-172.479 χ^2/NDF: 82.1/57

All: 511.726+/-123.190 χ^2/NDF: 134.5/115

\- sign 518.282+/-176.010 χ^2/NDF: 52.4/57

asym_us_dd_rms vs Slug



Right In: 1313.278+/-0.202 χ^2/NDF: 1831862.7/33

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

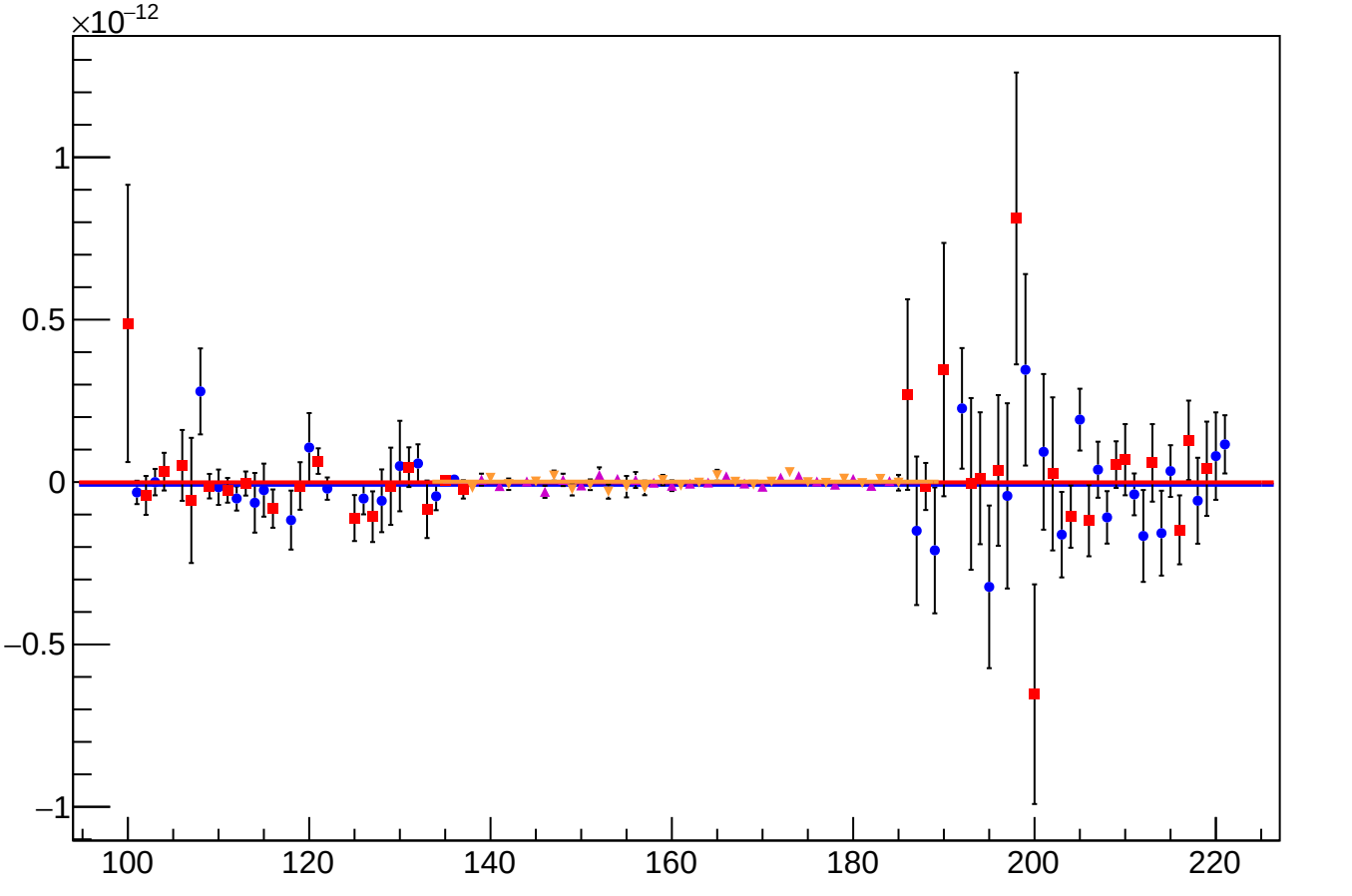
Right Out: 1335.270+/-0.212 χ^2/NDF: 2312995.8/34

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

+ sign 1070.131+/-0.122 χ^2/NDF: 4169399.0/57

All: 1070.725+/-0.087 χ^2/NDF: 8913074.8/11

- sign 1071.343+/-0.124 χ^2/NDF: 4743627.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/33

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

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/34

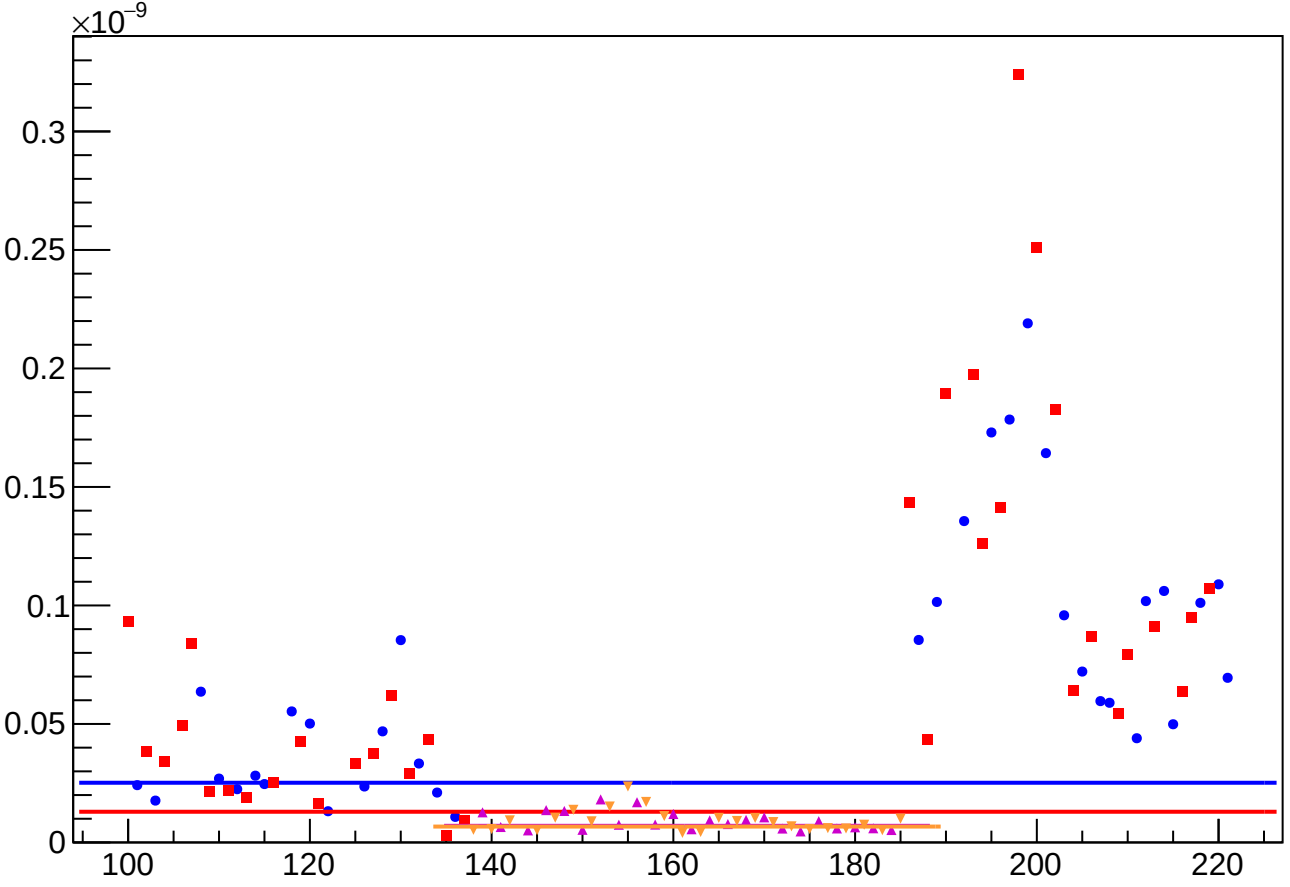
Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/57

All: 0.000+/-0.000 χ^2/NDF: 111.8/115

- sign 0.000+/-0.000 χ^2/NDF: 51.8/57

asym_us_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12485395.7/33

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

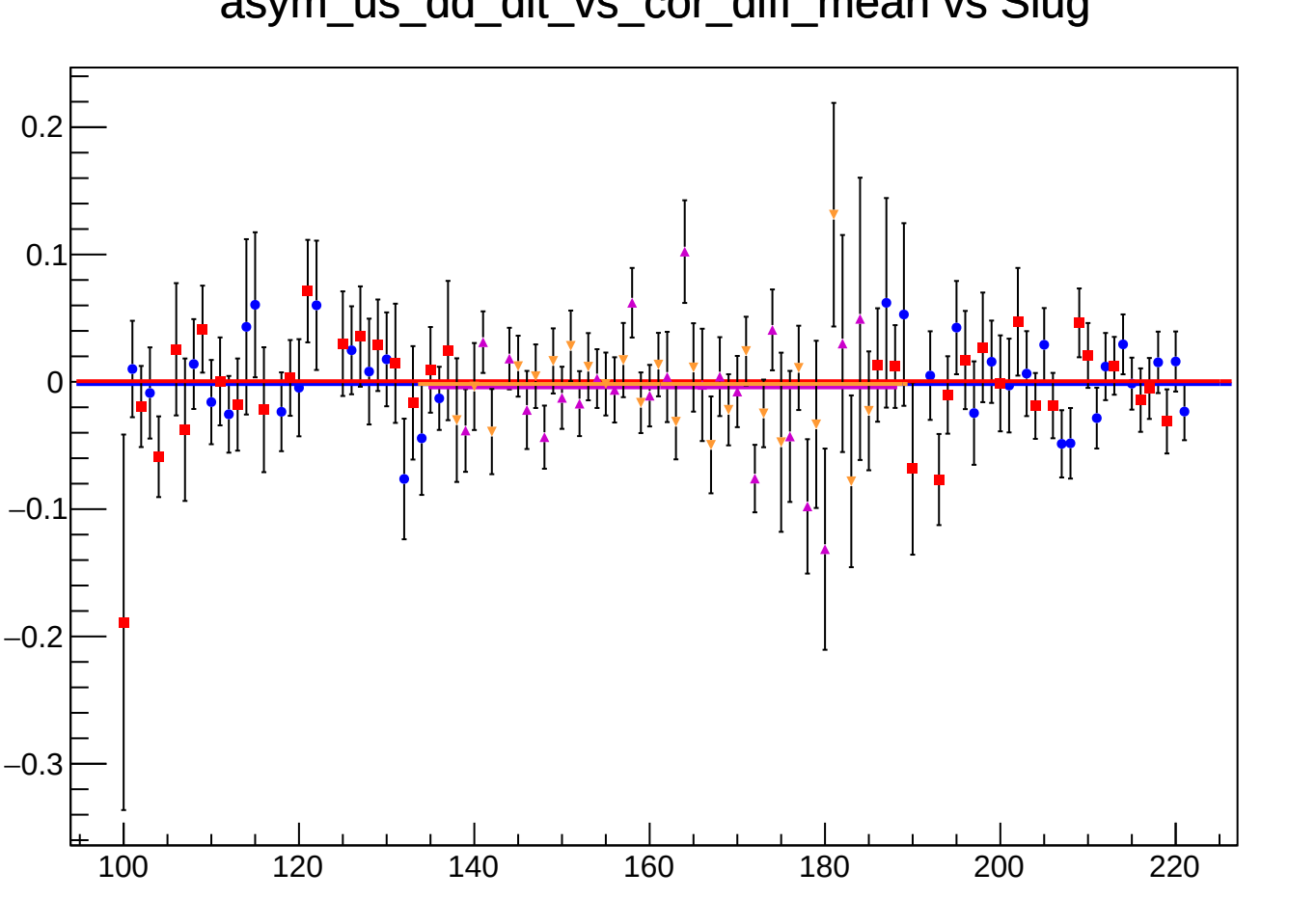
Right Out: 0.000+/-0.000 χ^2/NDF: 17922716.4/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 22454090.1/57

All: 0.000+/-0.000 χ^2/NDF: 44081983.7/115

- sign 0.000+/-0.000 χ^2/NDF: 21626983.4/57



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

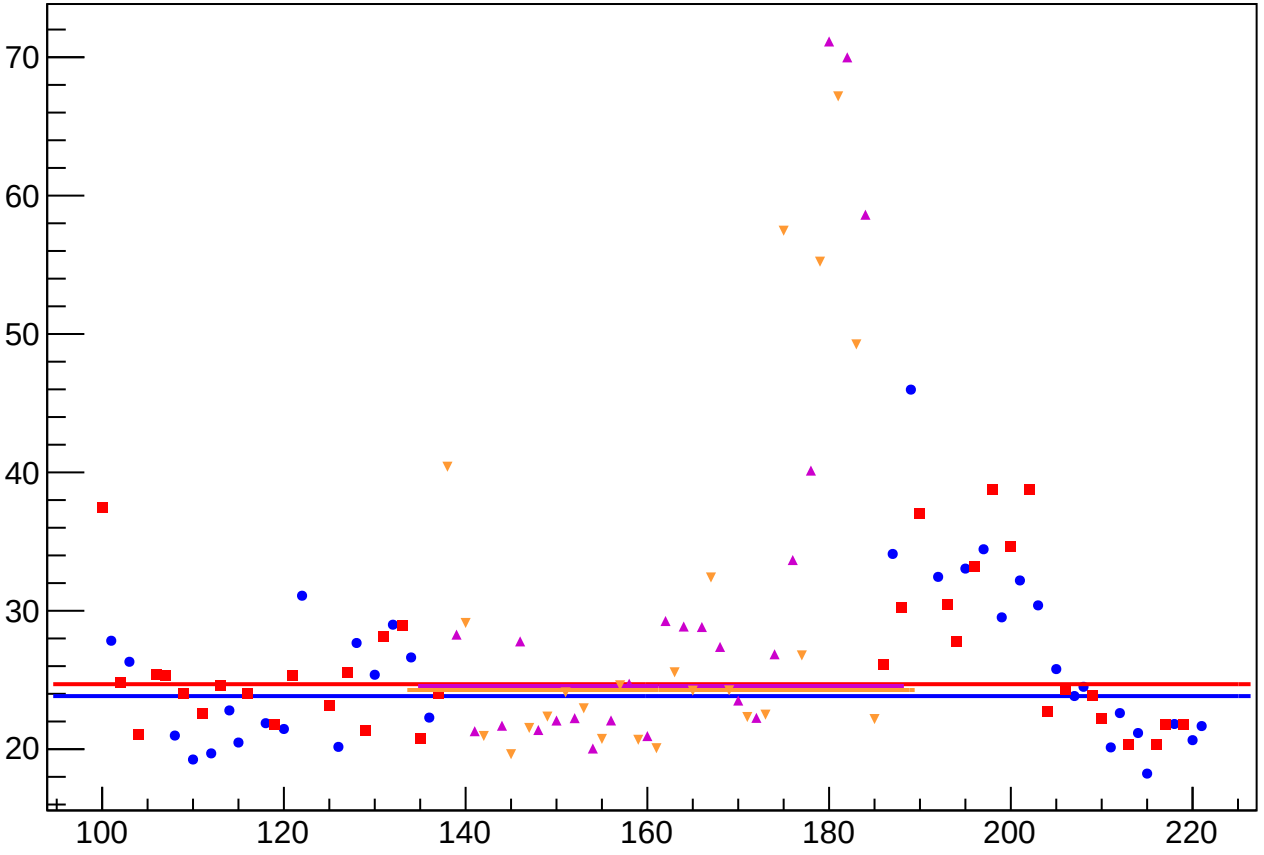
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 104.8/115

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.835+/-0.004 χ^2/NDF: 1425053.4/33

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

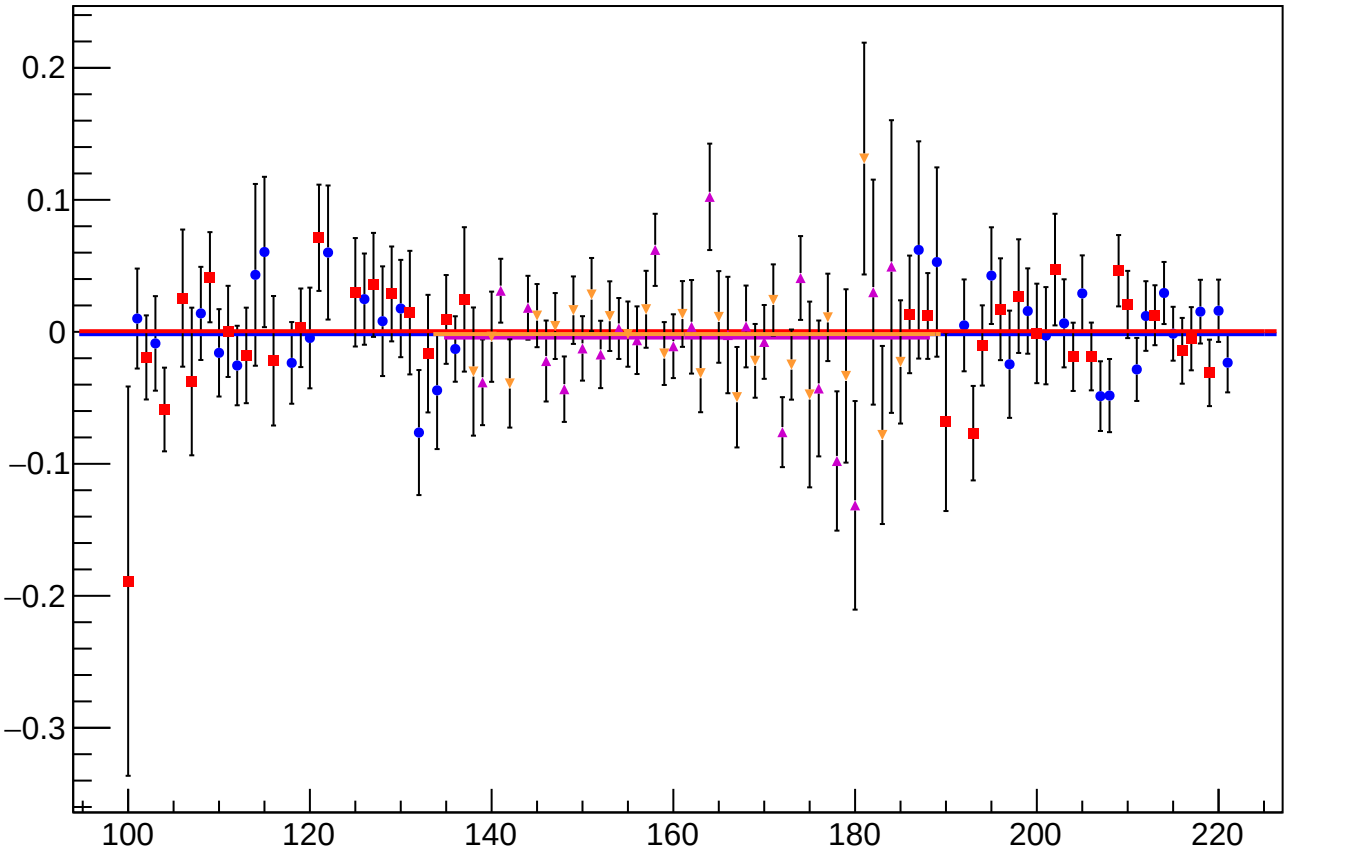
Right Out: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

\+ sign 24.022+/-0.003 χ^2/NDF: 3741249.5/57

All: 24.320+/-0.002 χ^2/NDF: 7137911.8/115

\- sign 24.637+/-0.003 χ^2/NDF: 3375249.9/57



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

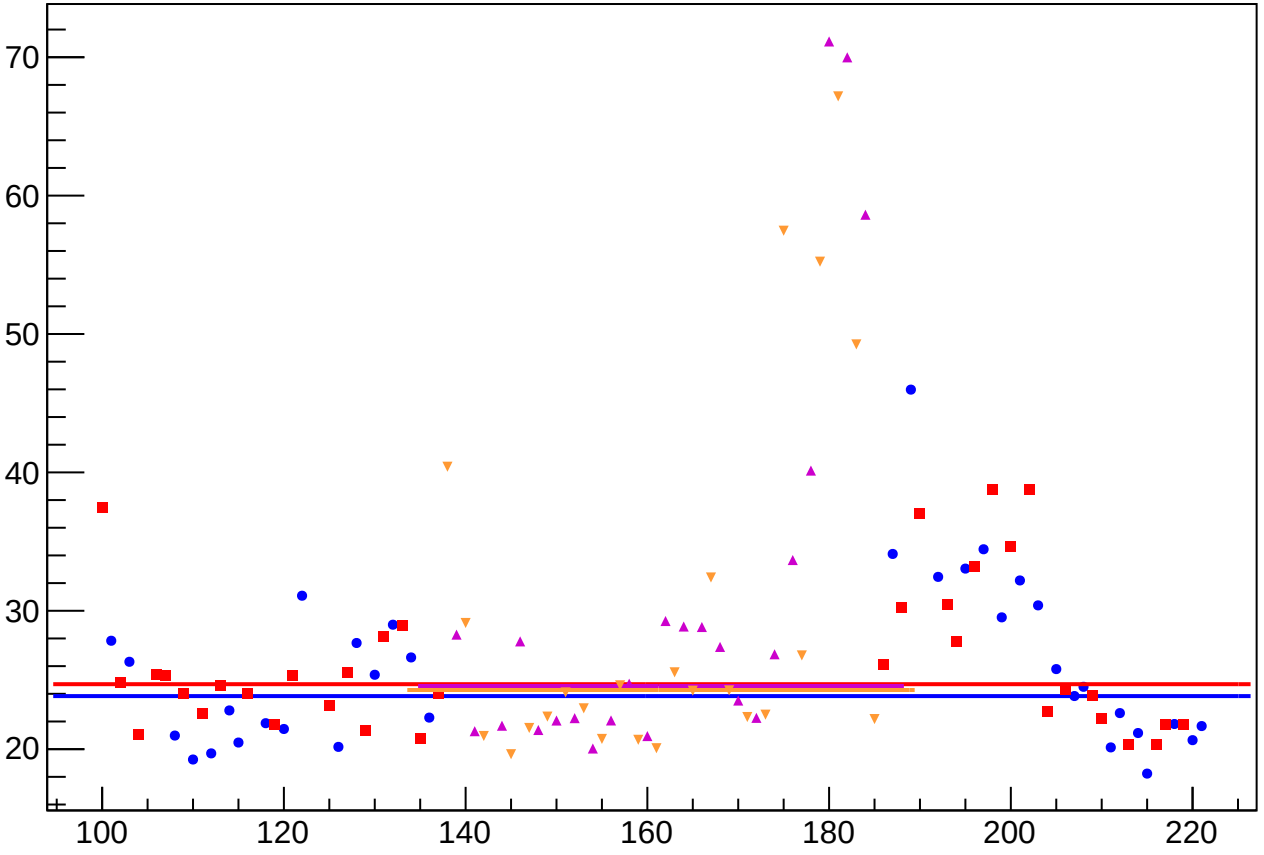
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 104.8/115

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.835+/-0.004 χ^2/NDF: 1425053.4/33

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

Right Out: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

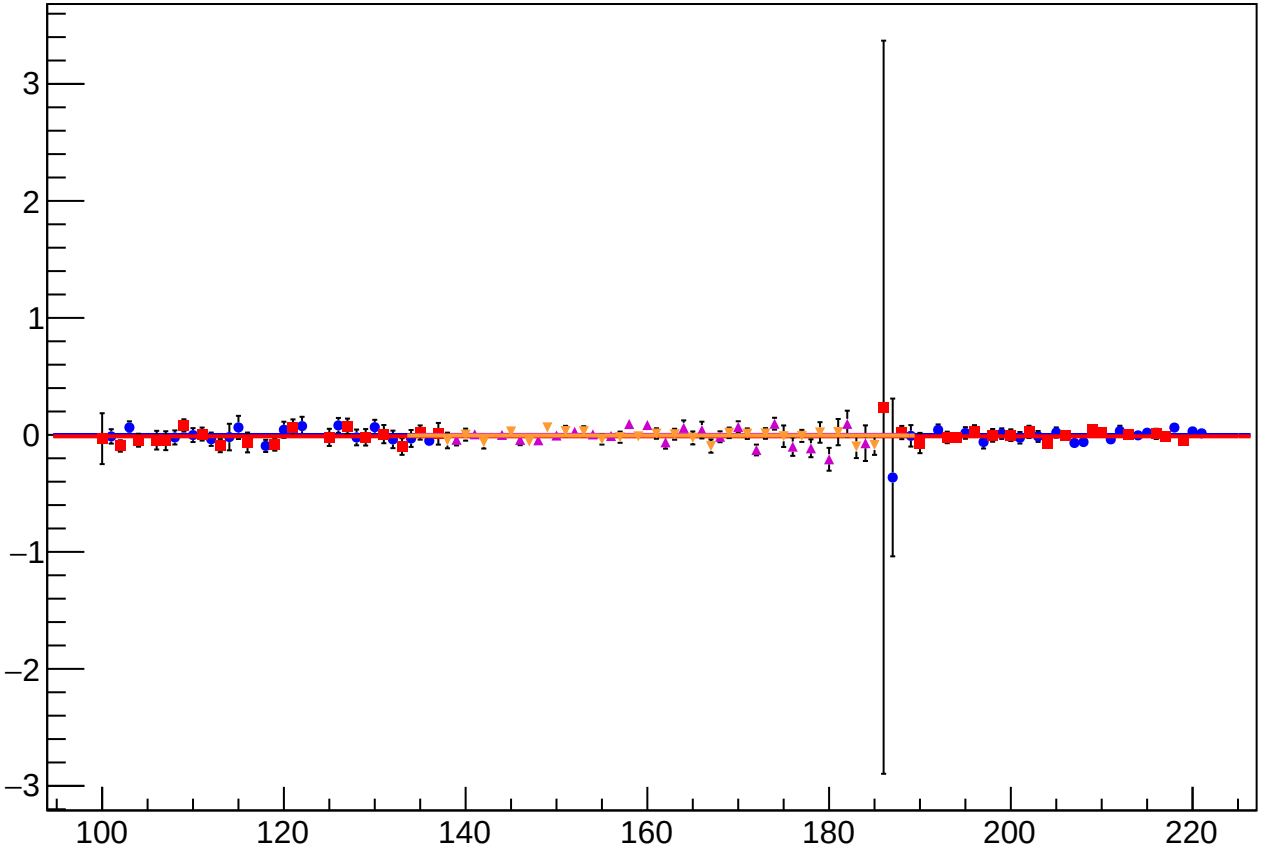
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.022+/-0.003 χ^2/NDF: 3741249.5/57

All: 24.320+/-0.002 χ^2/NDF: 7137911.8/115

- sign 24.637+/-0.003 χ^2/NDF: 3375249.9/57

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.001+/-0.009 χ^2/NDF: 24.3/33

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

Right Out: -0.012+/-0.009 χ^2/NDF: 24.1/34

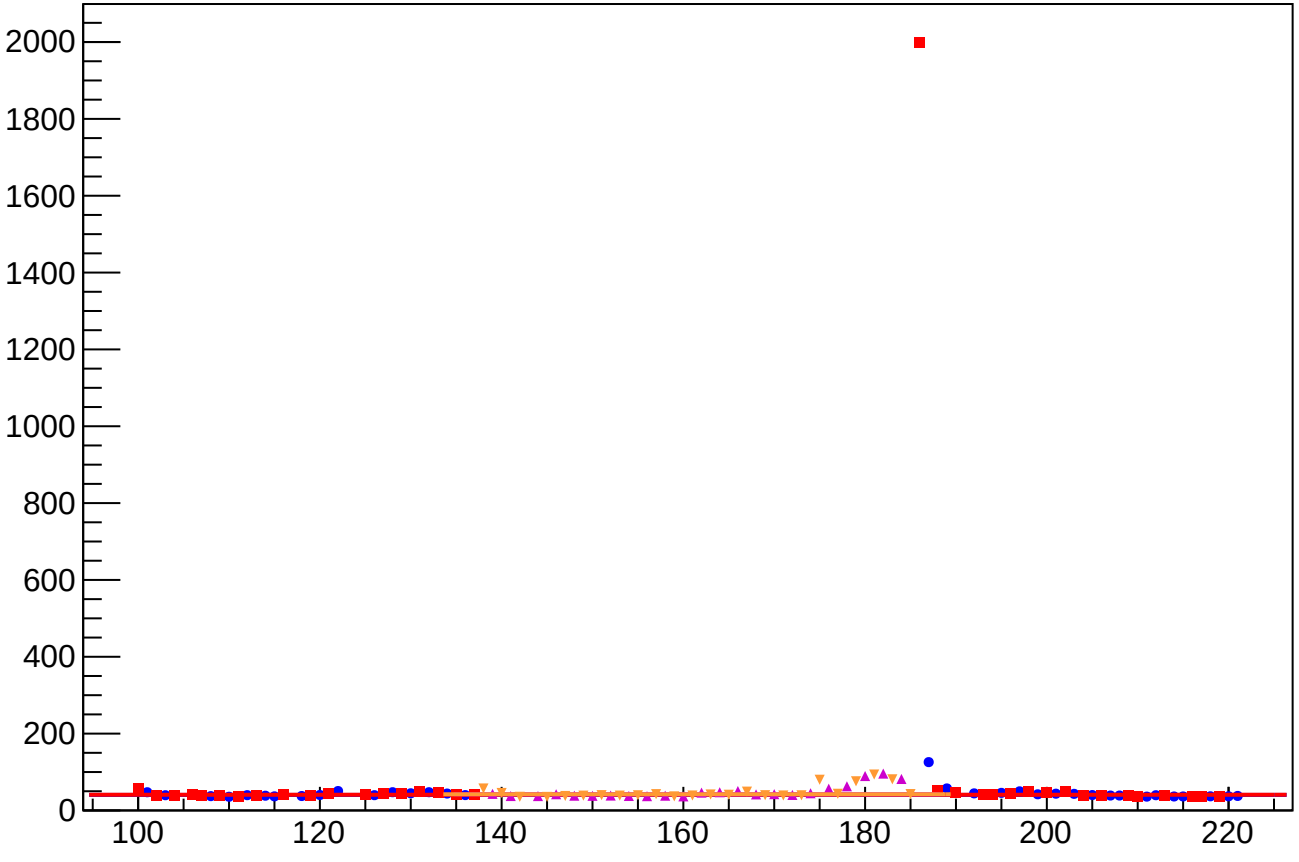
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.007 χ^2/NDF: 38.3/57

All: -0.005+/-0.005 χ^2/NDF: 101.3/115

- sign -0.007+/-0.007 χ^2/NDF: 62.8/57

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.368+/-0.006 χ^2/NDF: 468261.9/33

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

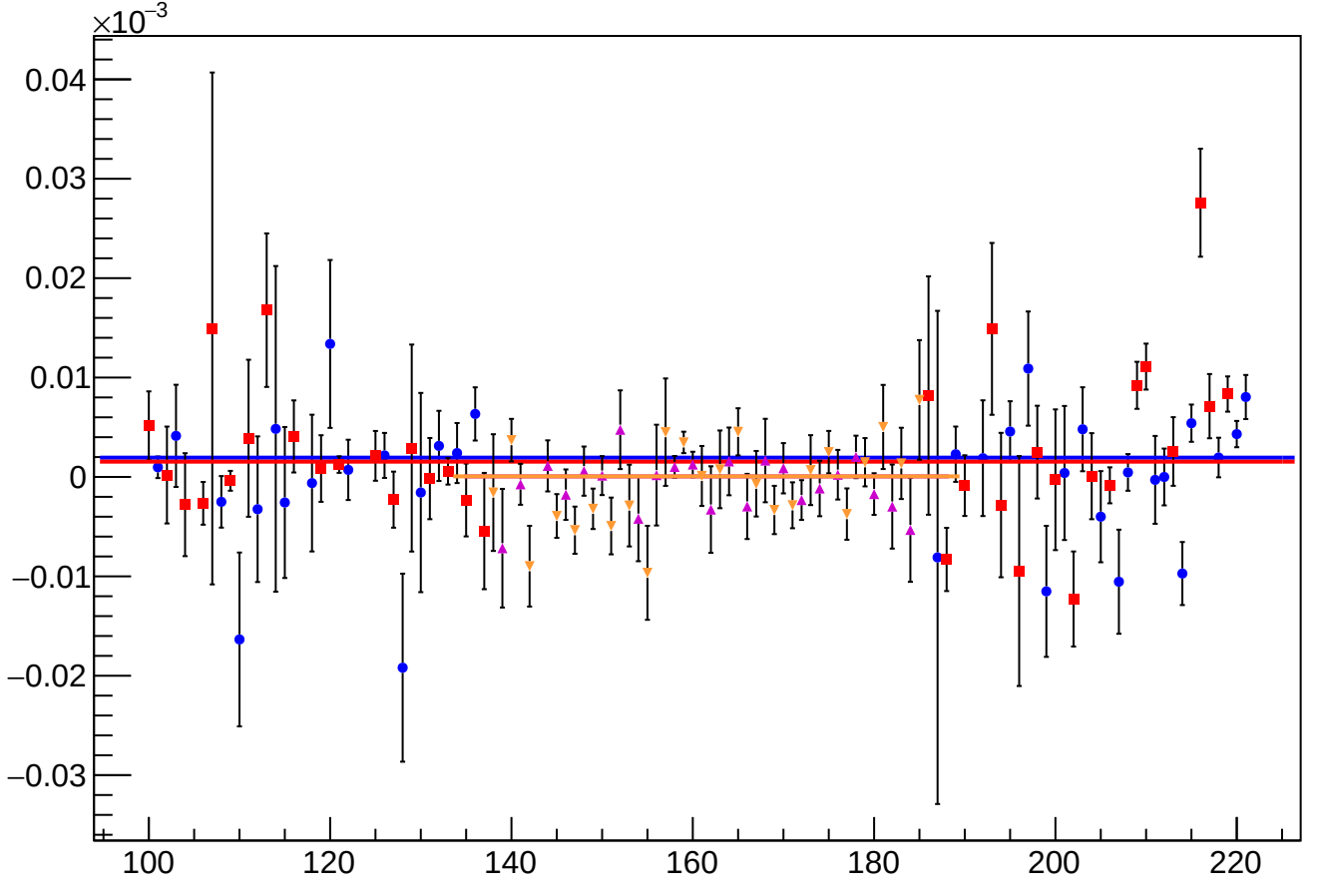
Right Out: 40.870+/-0.007 χ^2/NDF: 1200203.4/34

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

+ sign 41.092+/-0.005 χ^2/NDF: 2216011.0/57

All: 41.243+/-0.003 χ^2/NDF: 4976868.4/115

- sign 41.402+/-0.005 χ^2/NDF: 2758798.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 63.8/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 112.4/34

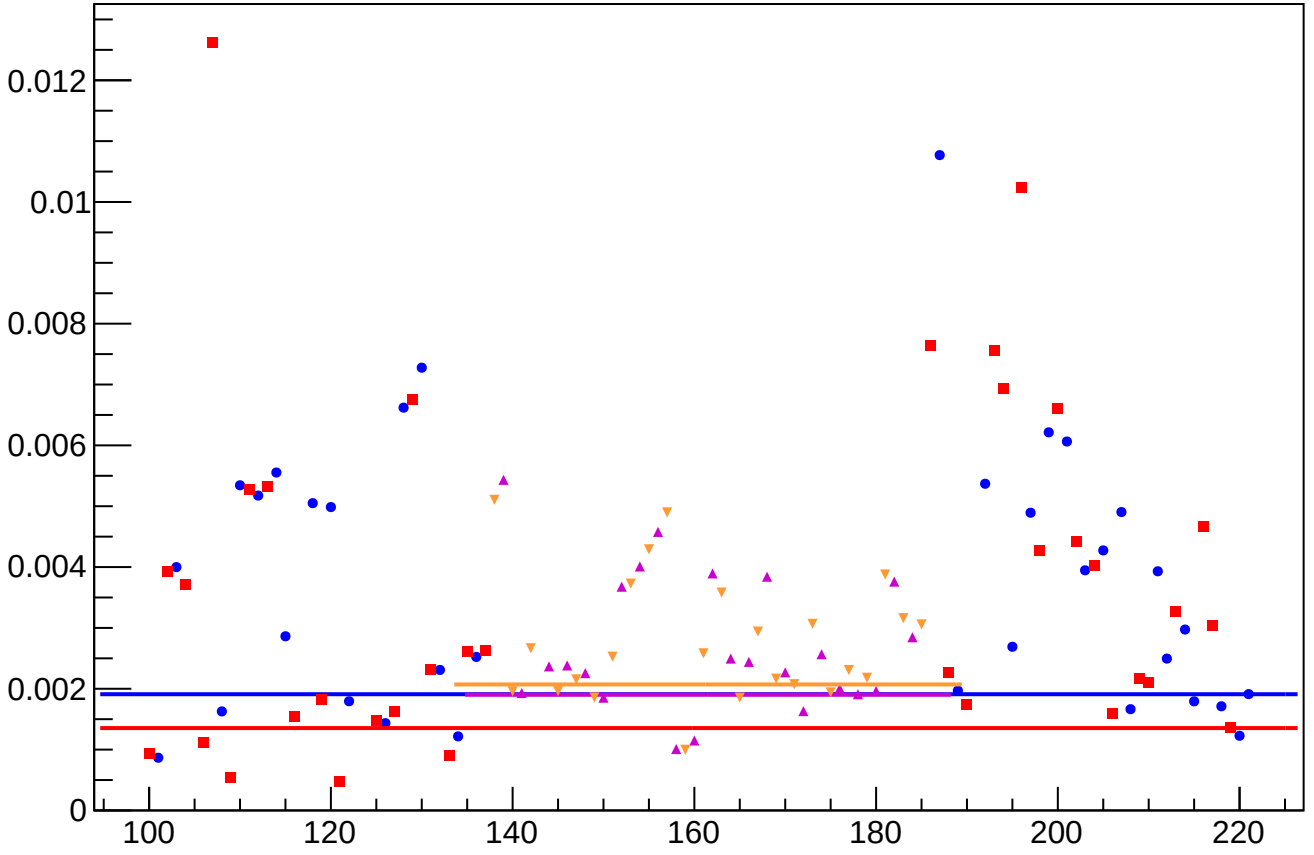
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 122.3/57

All: 0.000+/-0.000 χ^2/NDF: 253.0/115

- sign 0.000+/-0.000 χ^2/NDF: 130.6/57

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11331134.2/33

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

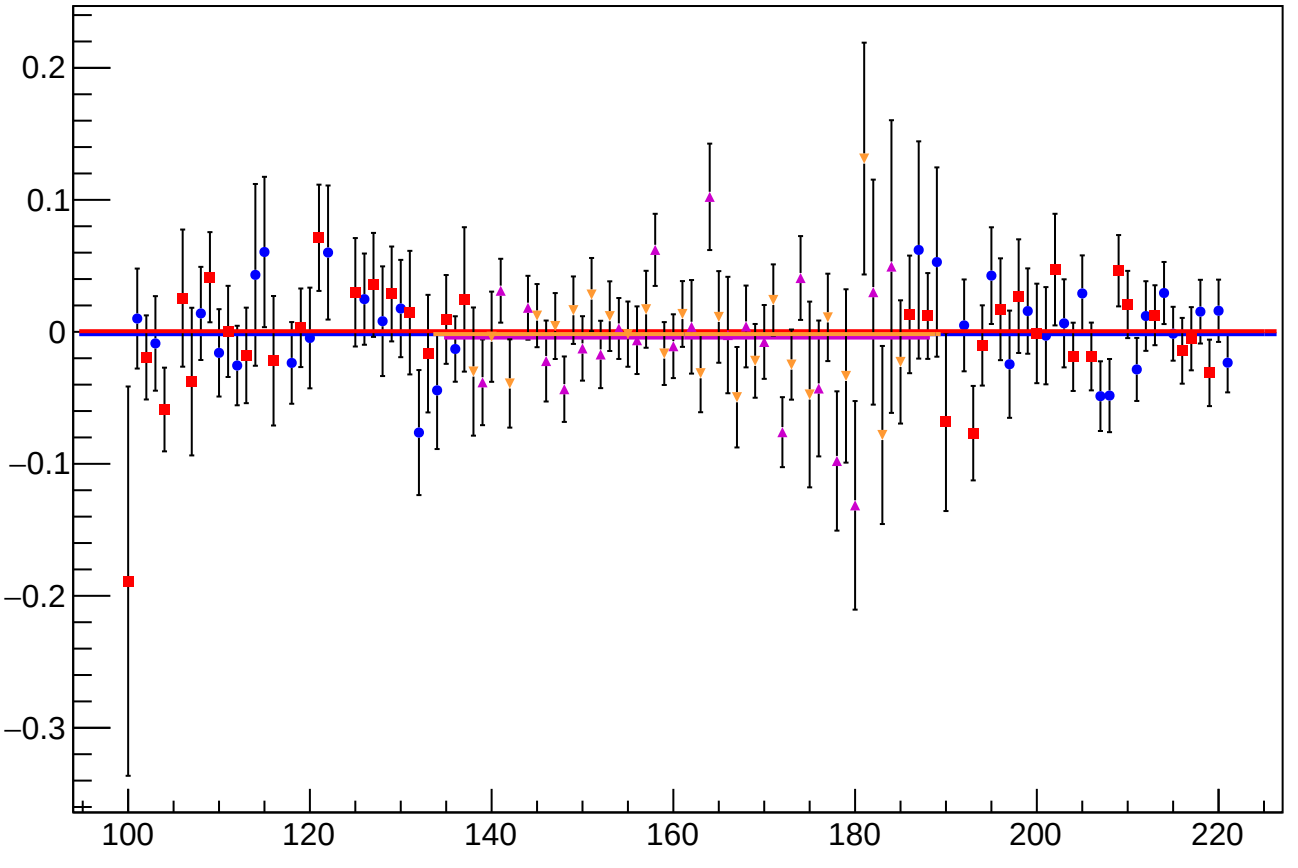
Right Out: 0.001+/-0.000 χ^2/NDF: 17267919.8/34

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

+ sign 0.002+/-0.000 χ^2/NDF: 16694036.2/57

All: 0.002+/-0.000 χ^2/NDF: 42723823.7/115

- sign 0.002+/-0.000 χ^2/NDF: 24636133.5/57



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

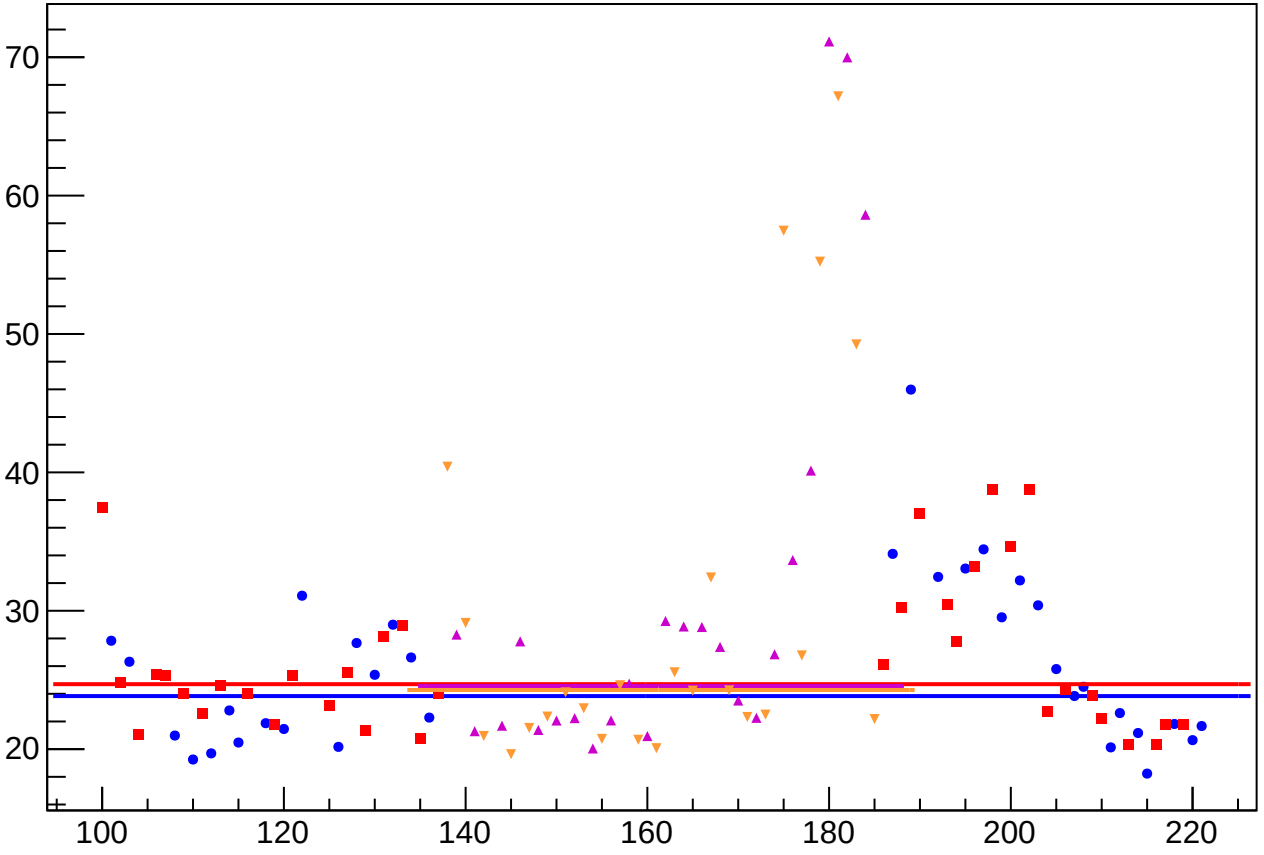
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 104.8/115

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.835+/-0.004 χ^2/NDF: 1425010.4/33

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

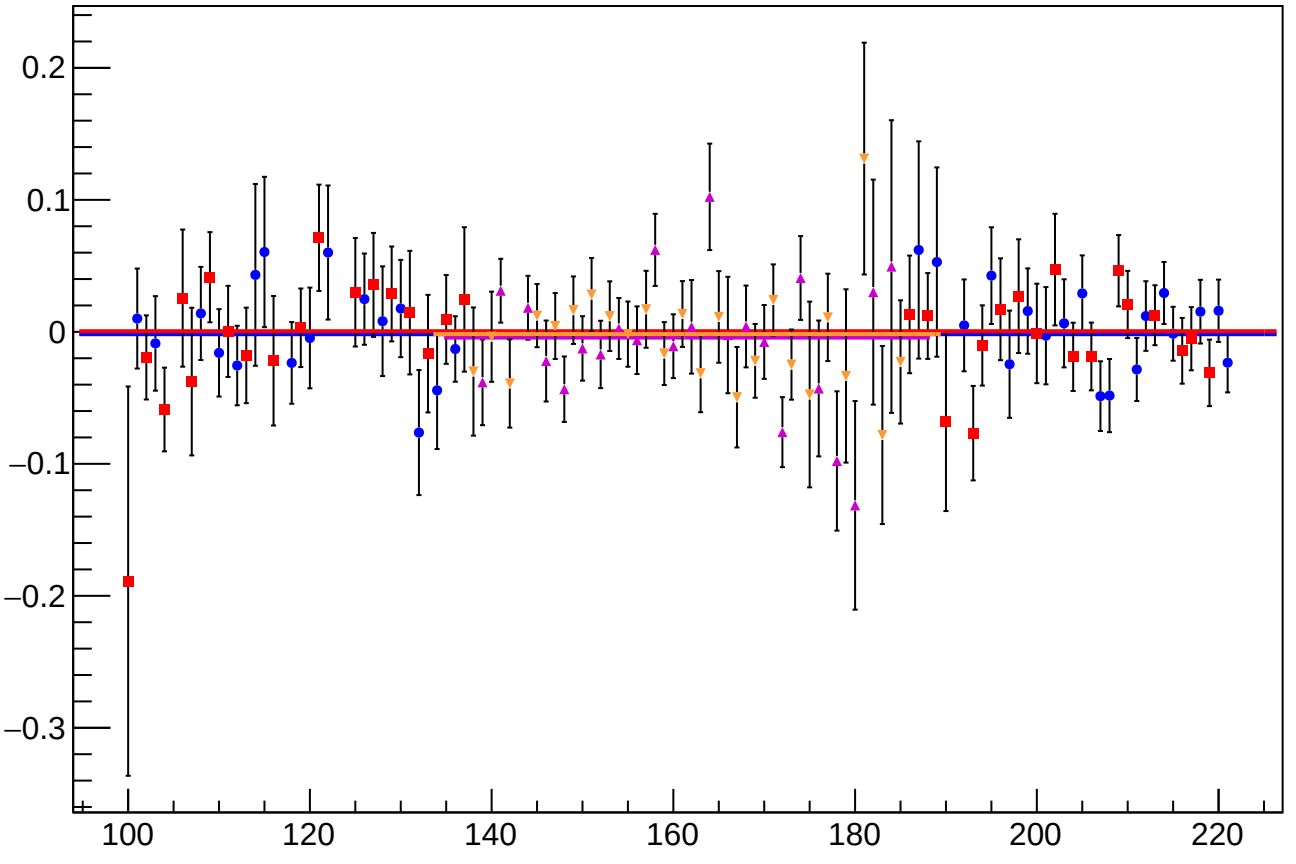
Right Out: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

+ sign 24.022+/-0.003 χ^2/NDF: 3741218.5/57

All: 24.320+/-0.002 χ^2/NDF: 7137749.1/115

- sign 24.637+/-0.003 χ^2/NDF: 3375099.7/57



Right In: -0.002+/-0.005 χ^2/NDF: 25.0/33

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

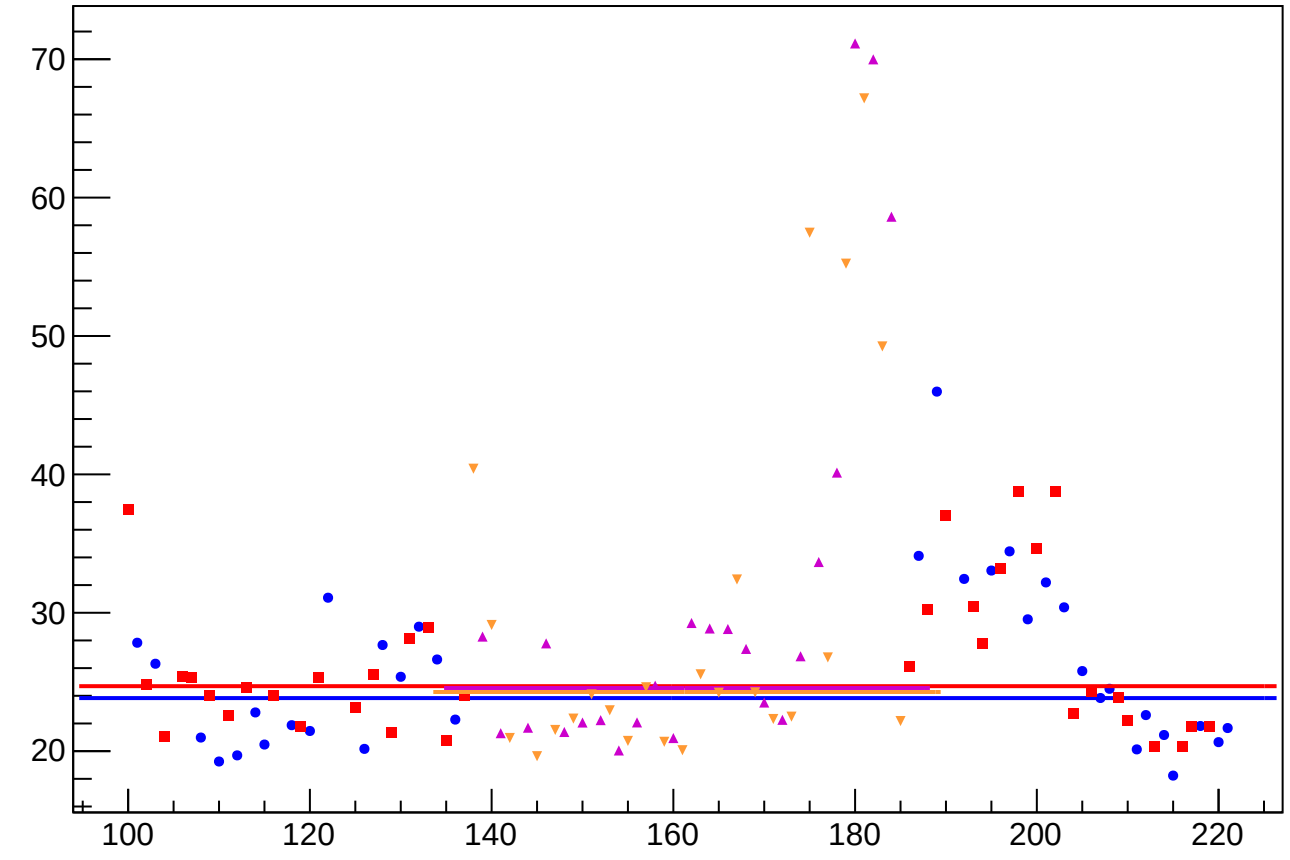
Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

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

+ sign -0.002+/-0.004 χ^2/NDF: 39.6/57

All: -0.002+/-0.003 χ^2/NDF: 104.8/115

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57



Right In: 23.835+/-0.004 χ^2/NDF: 1425010.4/33

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

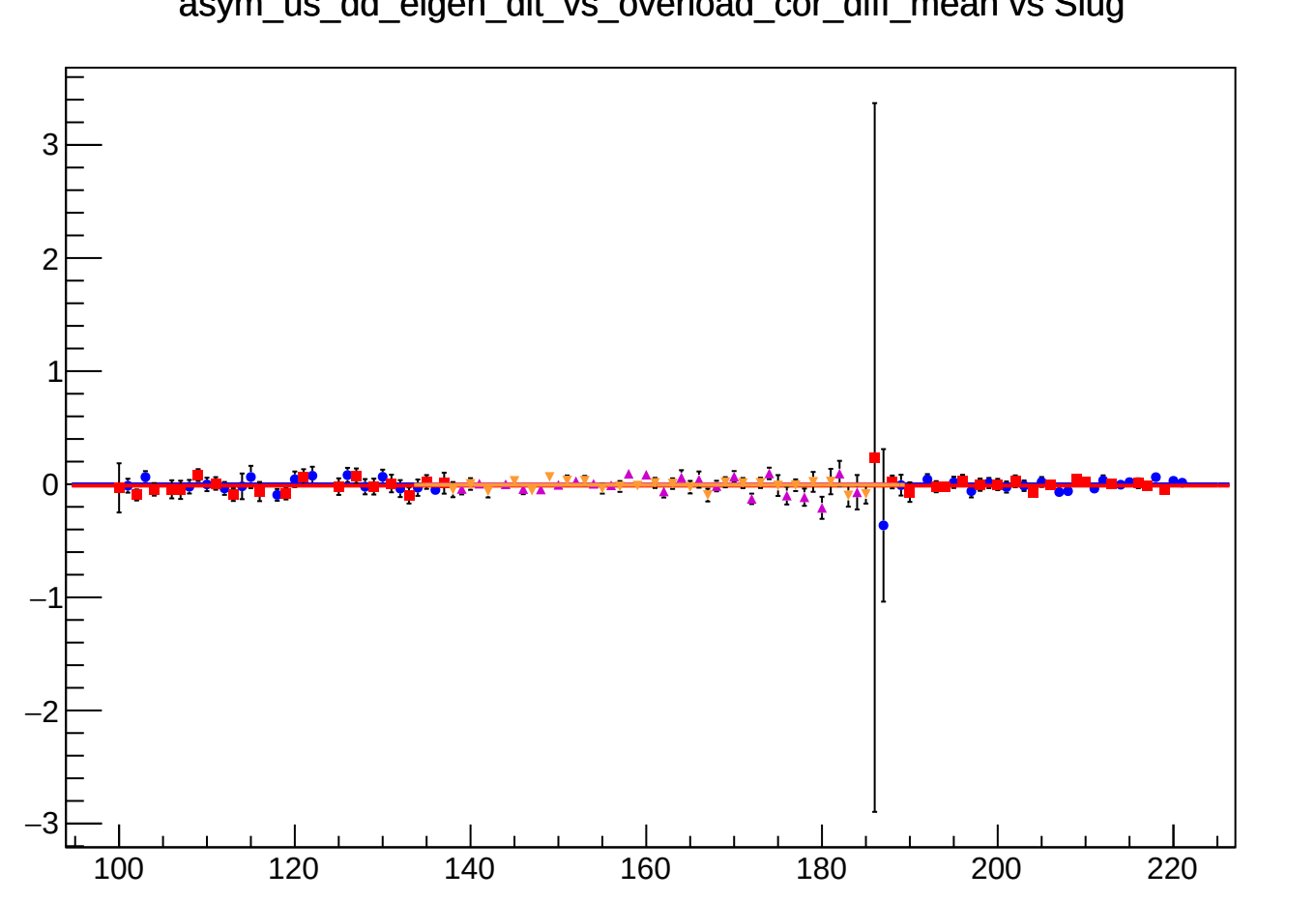
Right Out: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

+ sign 24.022+/-0.003 χ^2/NDF: 3741218.5/57

All: 24.320+/-0.002 χ^2/NDF: 7137749.1/115

- sign 24.637+/-0.003 χ^2/NDF: 3375099.7/57



Right In: -0.001+/-0.009 χ^2/NDF: 24.3/33

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

Right Out: -0.012+/-0.009 χ^2/NDF: 24.0/34

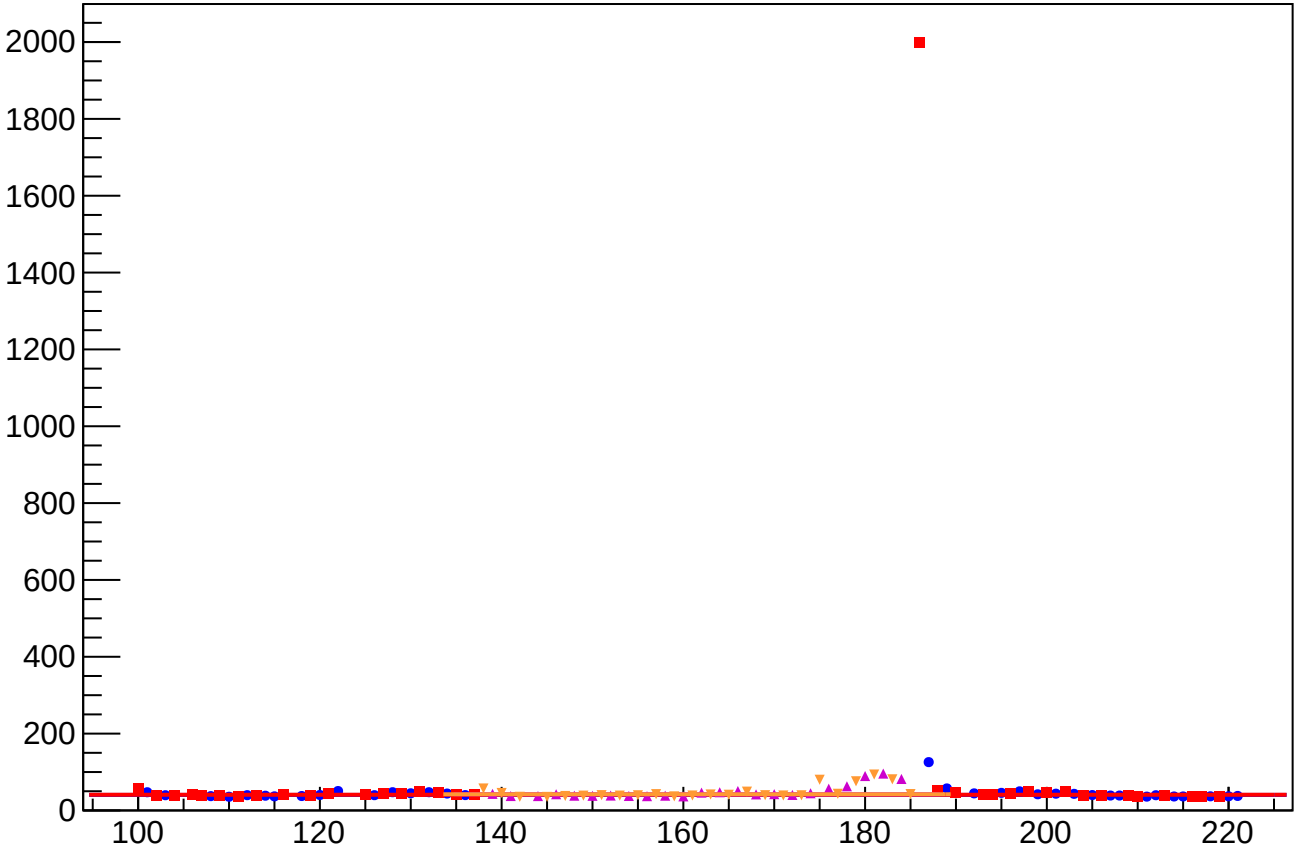
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.007 χ^2/NDF: 38.3/57

All: -0.005+/-0.005 χ^2/NDF: 101.3/115

- sign -0.007+/-0.007 χ^2/NDF: 62.8/57

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.368+/-0.006 χ^2/NDF: 468203.5/33

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

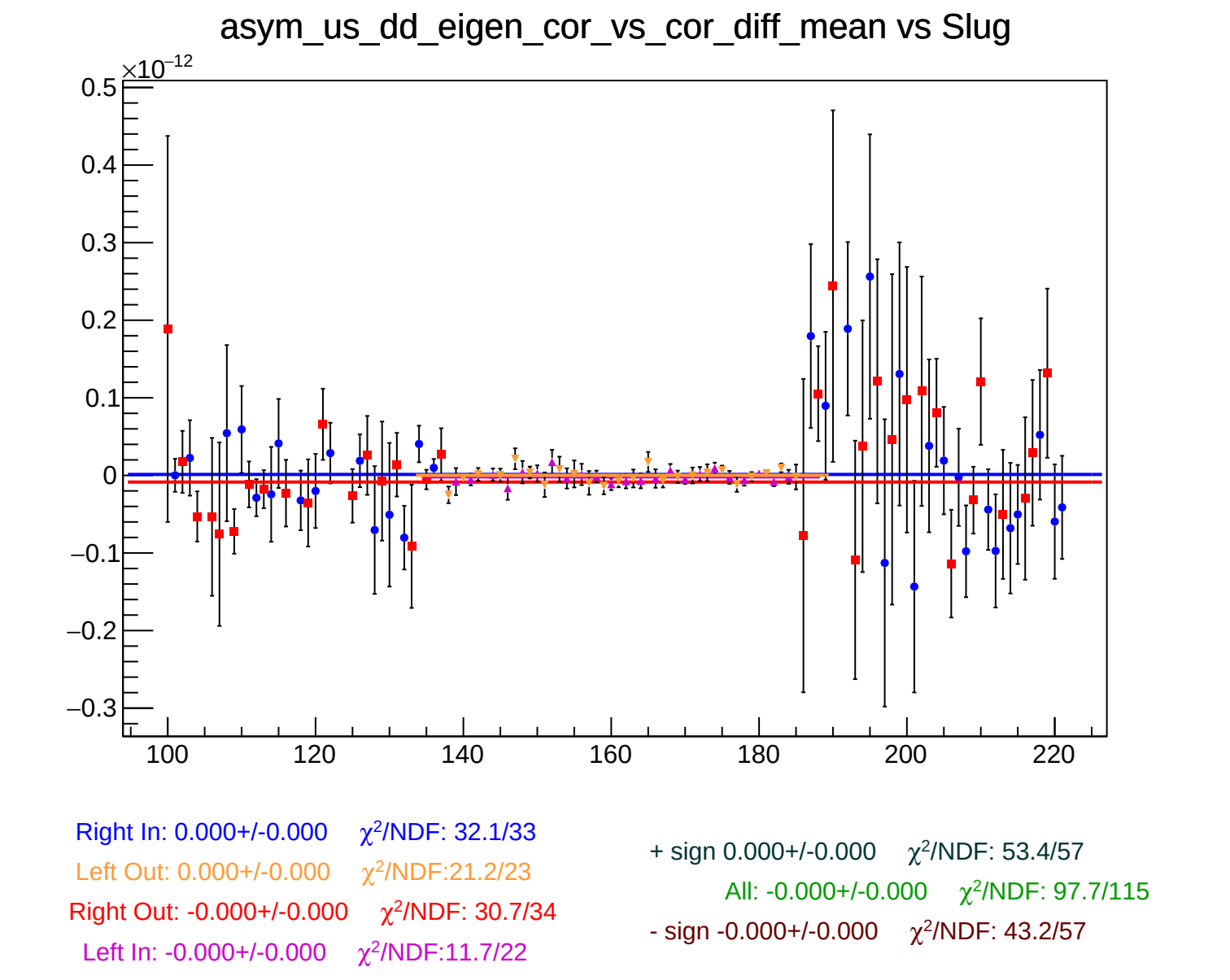
Right Out: 40.870+/-0.007 χ^2/NDF: 1200217.9/34

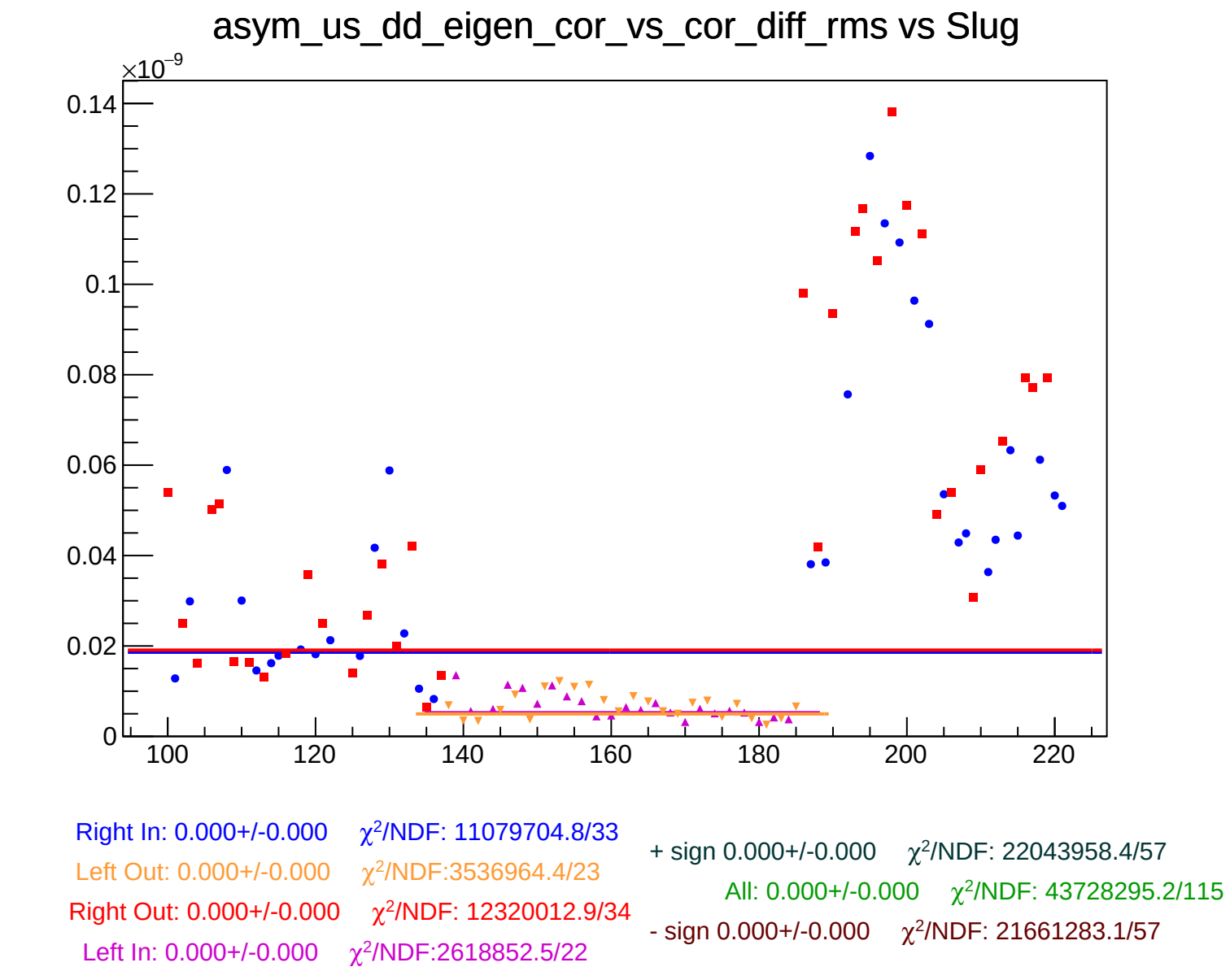
Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

+ sign 41.092+/-0.005 χ^2/NDF: 2215944.5/57

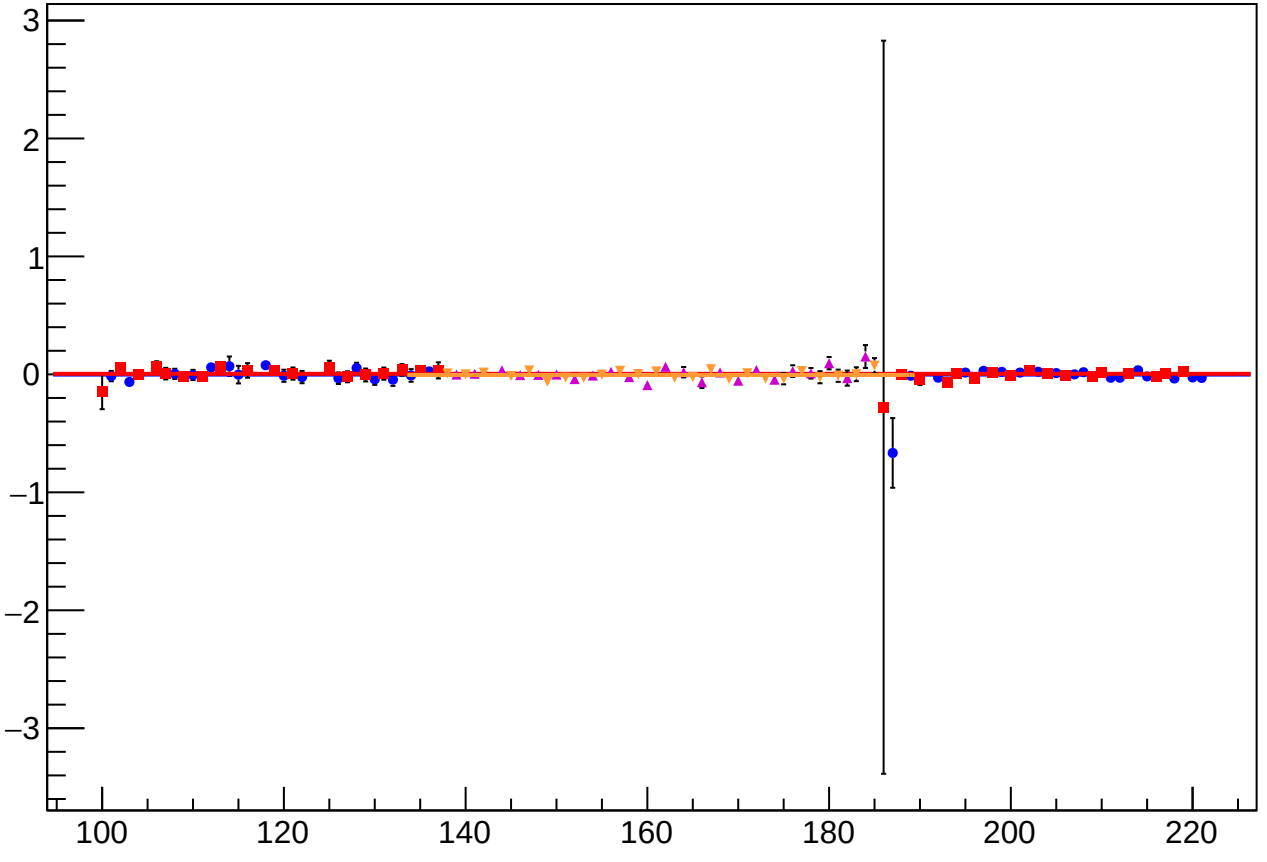
All: 41.243+/-0.003 χ^2/NDF: 4976796.9/115

- sign 41.402+/-0.005 χ^2/NDF: 2758793.7/57


asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 32.1/33
Left Out: 0.000+/-0.000 χ²/NDF:21.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 30.7/34
Left In: -0.000+/-0.000 χ²/NDF:11.7/22
+ sign 0.000+/-0.000 χ²/NDF: 53.4/57
All: -0.000+/-0.000 χ²/NDF: 97.7/115
- sign -0.000+/-0.000 χ²/NDF: 43.2/57


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11079704.8/33
Left Out: 0.000+/-0.000 χ²/NDF:3536964.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 12320012.9/34
Left In: 0.000+/-0.000 χ²/NDF:2618852.5/22
+ sign 0.000+/-0.000 χ²/NDF: 22043958.4/57
All: 0.000+/-0.000 χ²/NDF: 43728295.2/115
- sign 0.000+/-0.000 χ²/NDF: 21661283.1/57

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 32.6/33

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

Right Out: 0.005+/-0.006 χ^2/NDF: 24.4/34

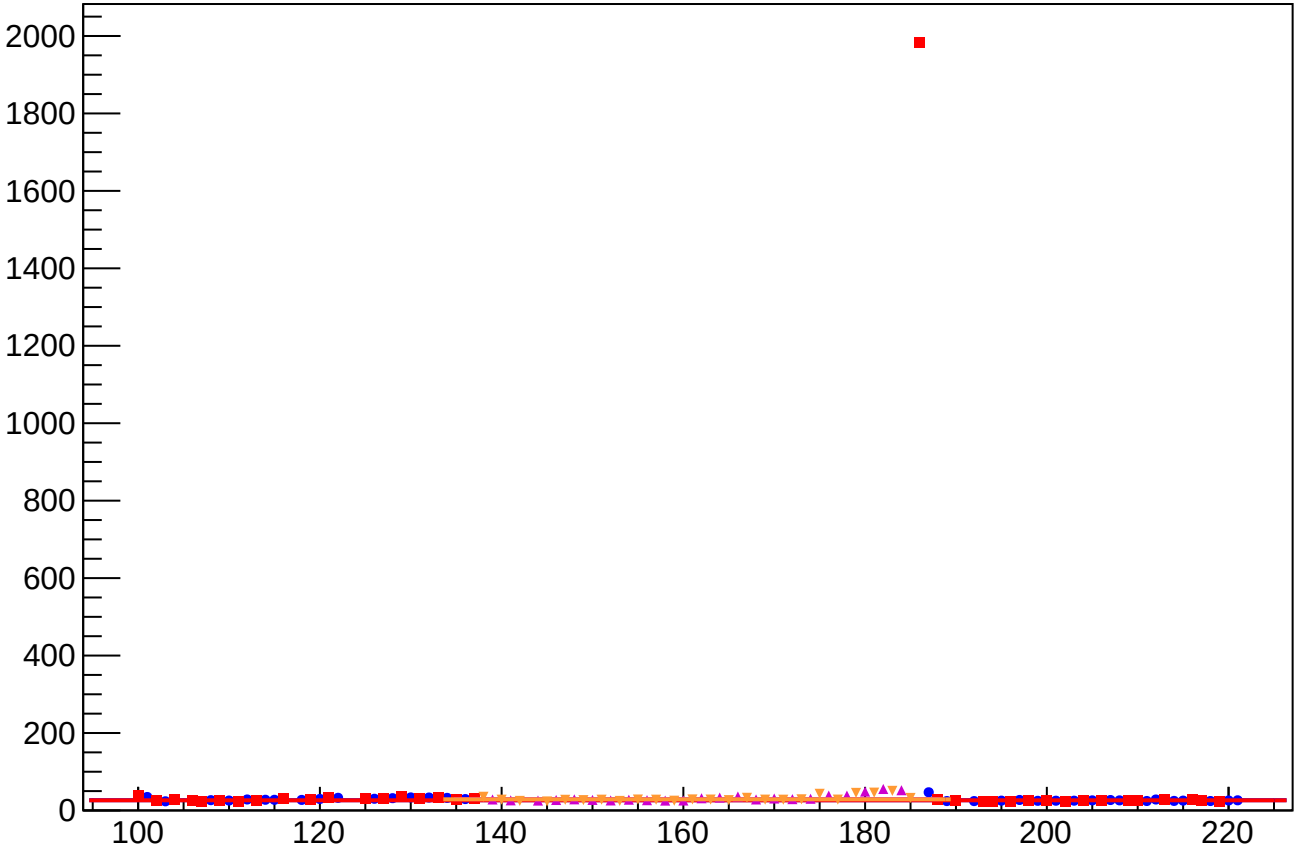
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.005 χ^2/NDF: 49.4/57

All: -0.001+/-0.003 χ^2/NDF: 106.4/115

- sign 0.001+/-0.005 χ^2/NDF: 56.5/57

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.519+/-0.004 χ^2/NDF: 383499.9/33

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

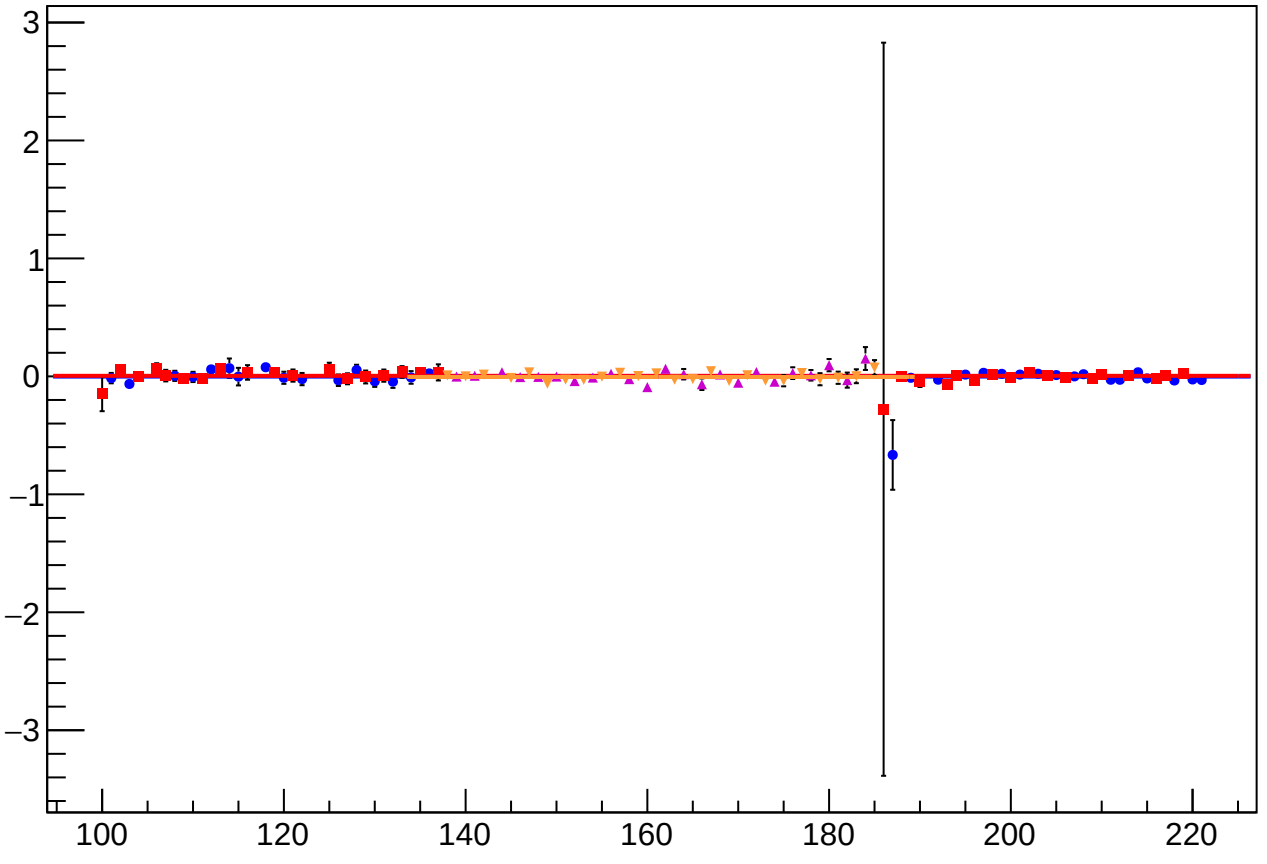
Right Out: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

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

+ sign 27.449+/-0.003 χ^2/NDF: 1675081.4/57

All: 27.467+/-0.002 χ^2/NDF: 4186279.4/115

- sign 27.486+/-0.003 χ^2/NDF: 2511131.7/57



Right In: -0.002+/-0.006 χ^2/NDF: 32.6/33

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

Right Out: 0.005+/-0.006 χ^2/NDF: 24.4/34

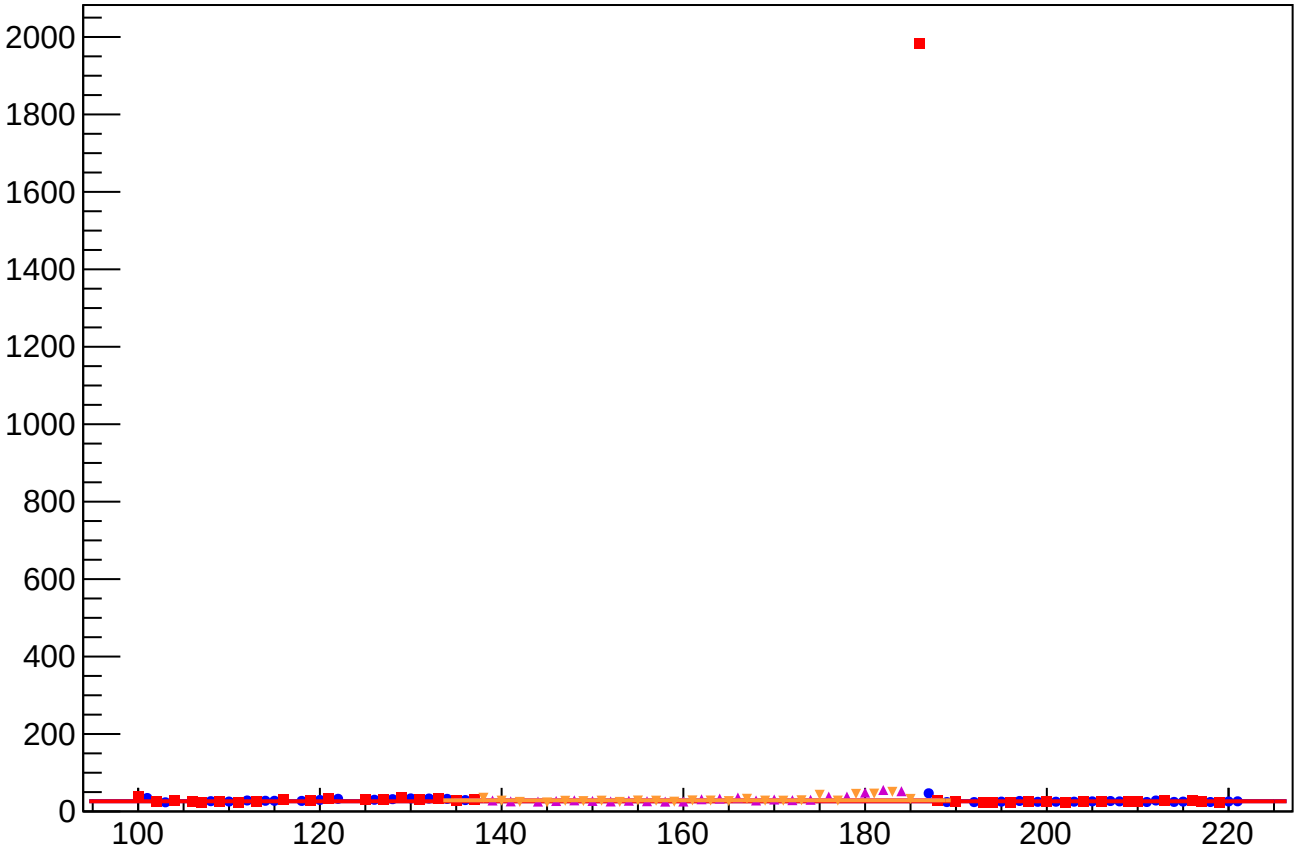
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.003+/-0.005 χ^2/NDF: 49.4/57

All: -0.001+/-0.003 χ^2/NDF: 106.4/115

- sign 0.001+/-0.005 χ^2/NDF: 56.5/57

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.519+/-0.004 χ^2/NDF: 383499.9/33

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

Right Out: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

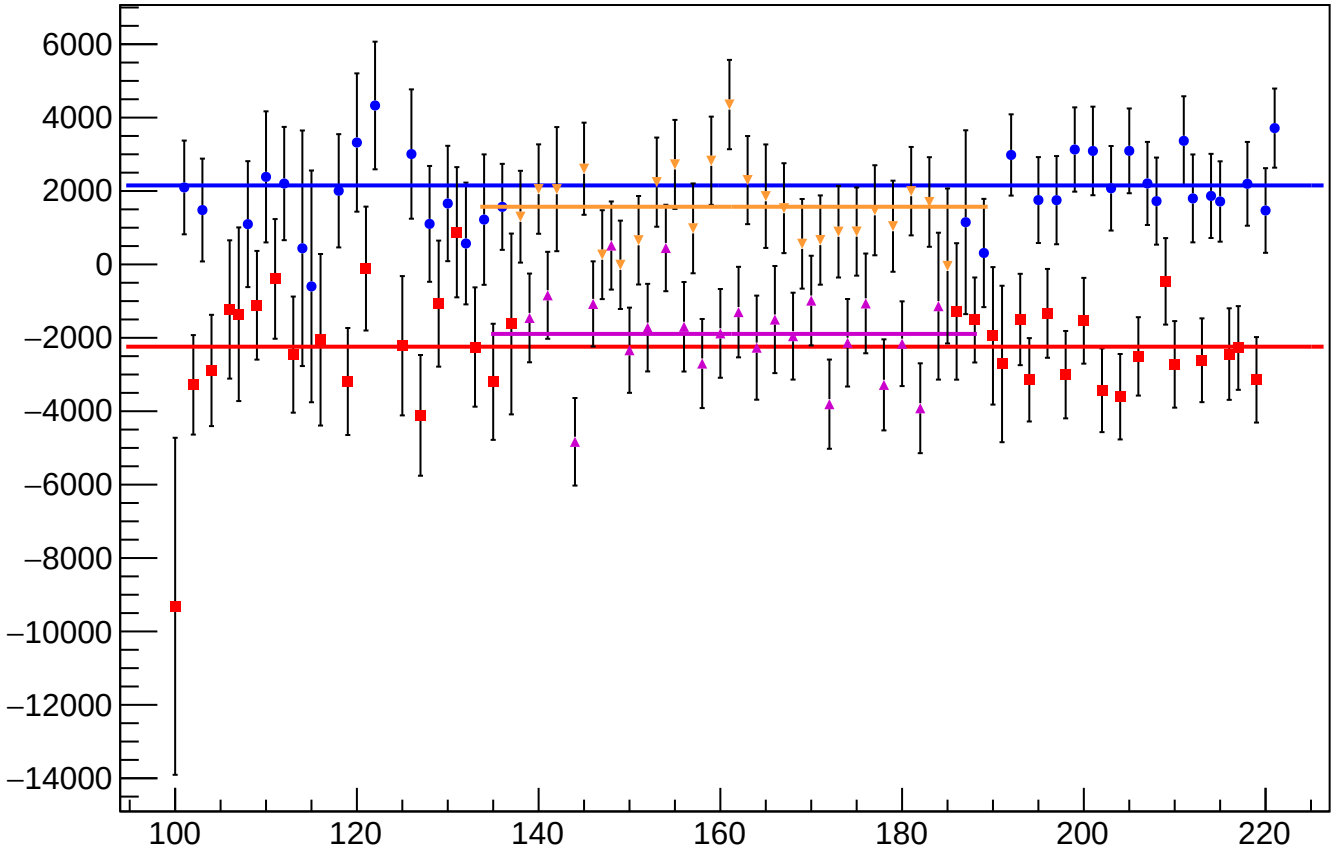
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.449+/-0.003 χ^2/NDF: 1675081.4/57

All: 27.467+/-0.002 χ^2/NDF: 4186279.4/115

- sign 27.486+/-0.003 χ^2/NDF: 2511131.7/57

reg_asym_usl_mean vs Slug



Right In: 2152.216+/-231.801 χ^2/NDF: 14.2/33

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

Right Out: -2241.834+/-237.072 χ^2/NDF: 21.5/35

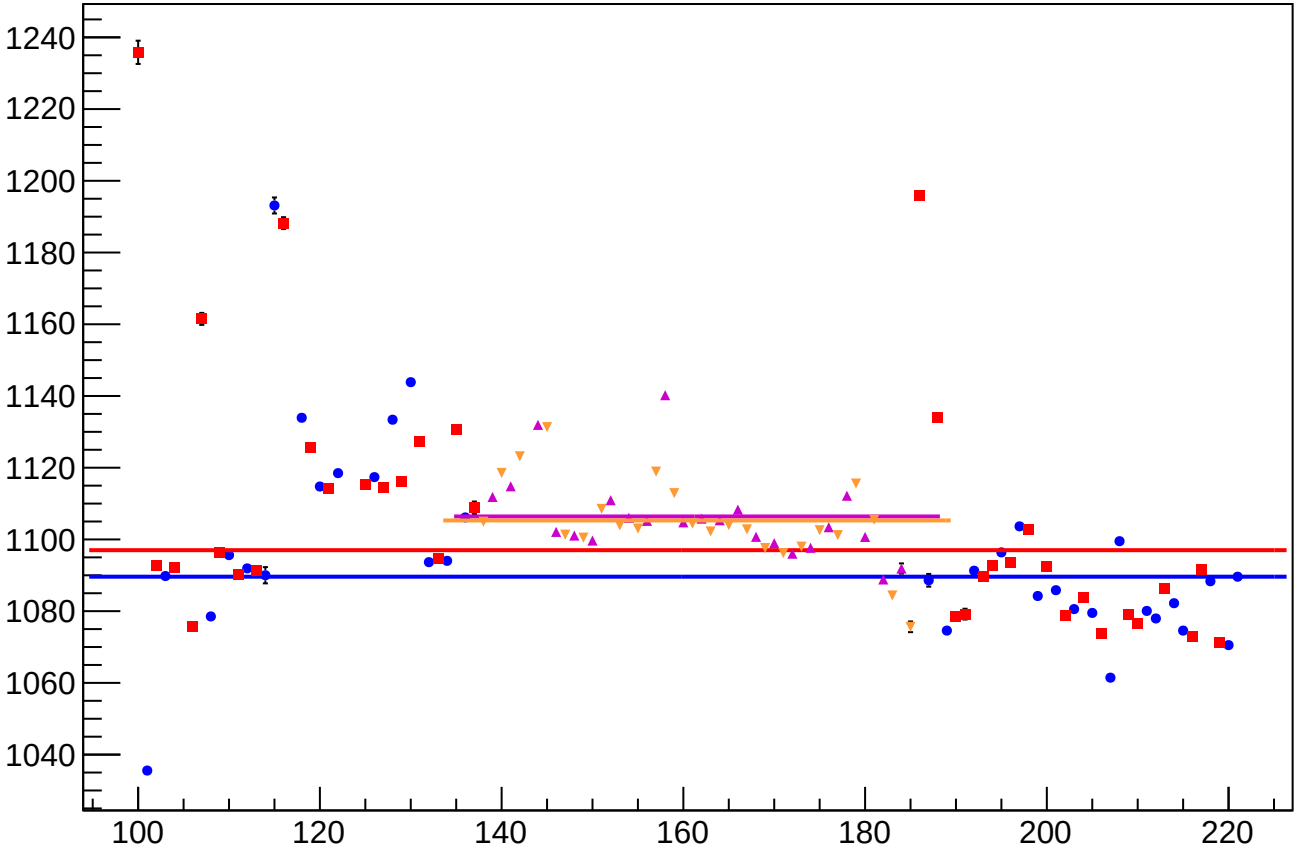
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1890.997+/-171.990 χ^2/NDF: 32.4/57

All: -65.037+/-122.552 χ^2/NDF: 341.8/116

- sign -2082.522+/-174.671 χ^2/NDF: 46.6/58

reg_asym_usl_rms vs Slug



Right In: 1089.610+/-0.164 χ^2/NDF: 16832.0/33

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

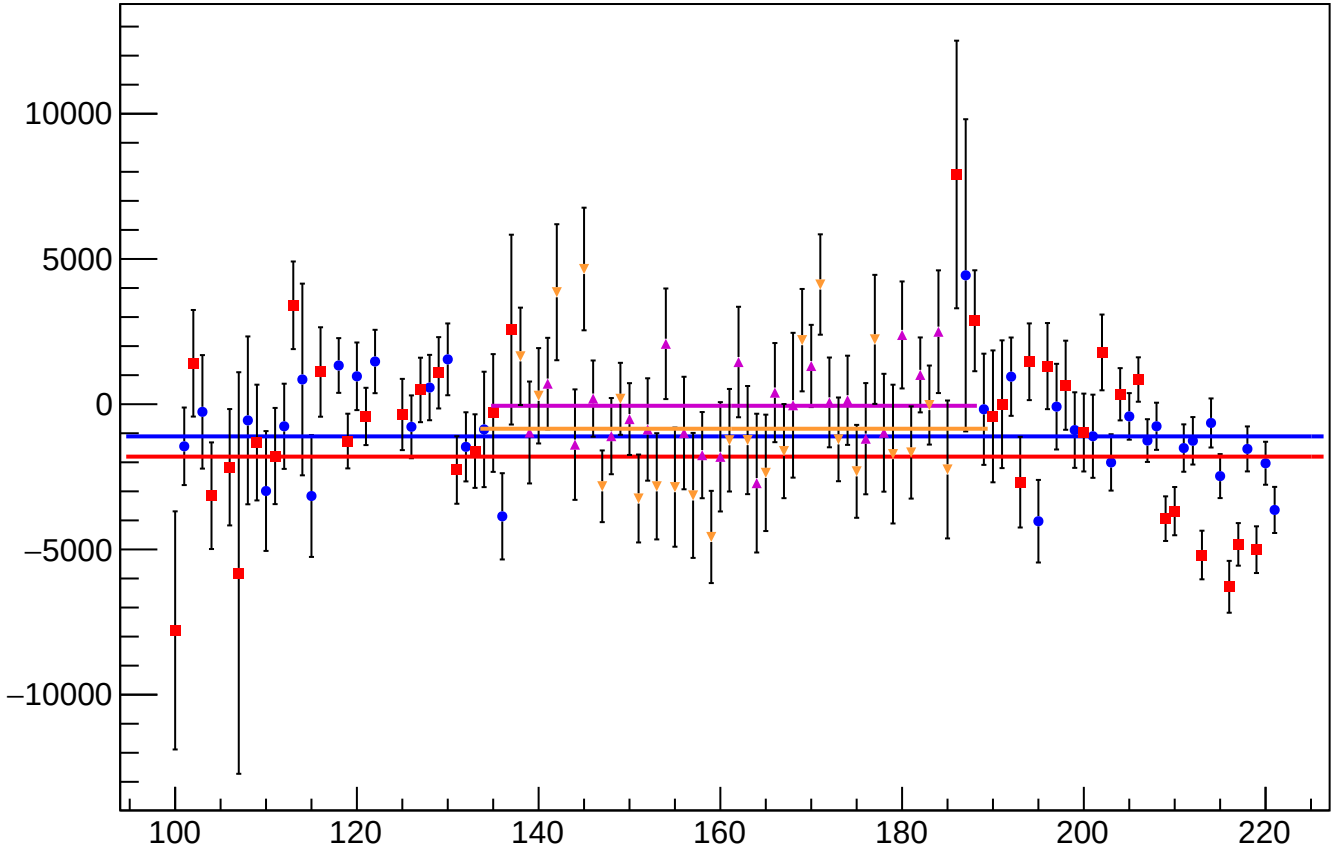
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.660+/-0.122 χ^2/NDF: 24109.3/57

All: 1098.945+/-0.087 χ^2/NDF: 52901.2/116

- sign 1101.302+/-0.124 χ^2/NDF: 28074.6/58

asym_usl_reg_correction_mean vs Slug



Right In: -1108.008+/-187.378 χ^2/NDF: 54.5/33

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

Right Out: -1804.413+/-202.557 χ^2/NDF: 176.8/35

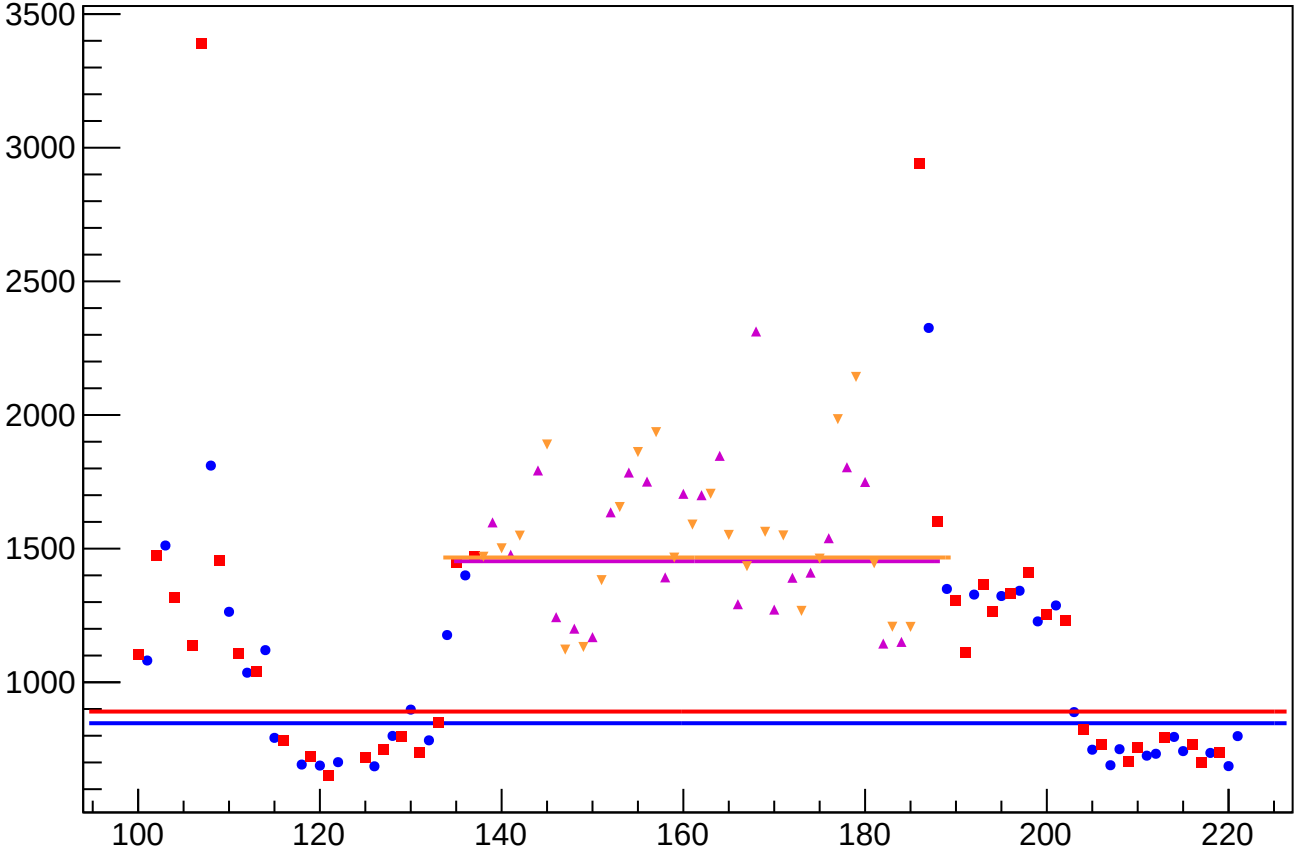
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -1048.643+/-164.912 χ^2/NDF: 99.1/57

All: -1194.157+/-119.954 χ^2/NDF: 309.7/116

- sign -1357.644+/-174.800 χ^2/NDF: 208.9/58

asym_usl_reg_correction_rms vs Slug



Right In: 846.781+/-0.132 χ^2/NDF: 2943336.5/33

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707875.4/35

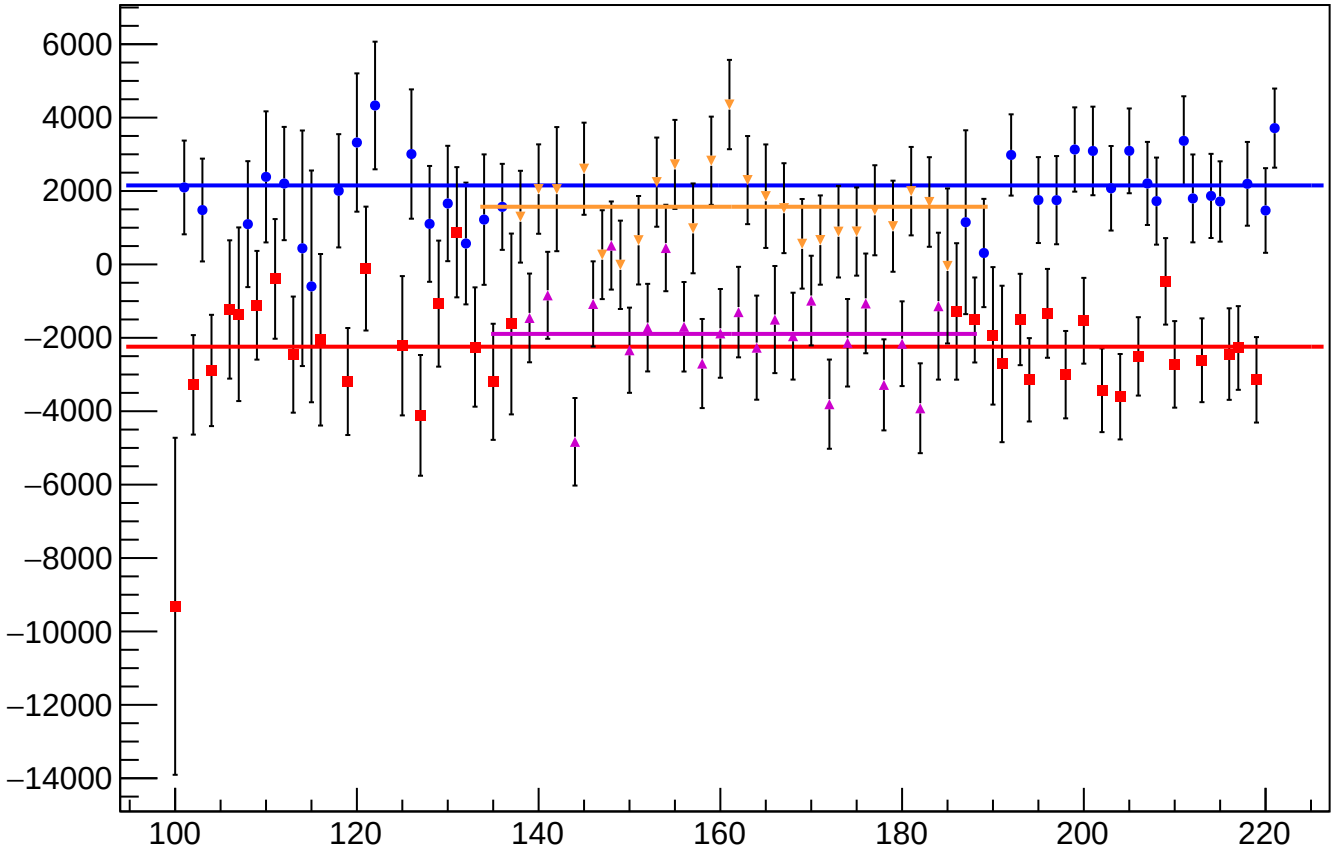
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 986.552+/-0.117 χ^2/NDF: 8923473.0/57

All: 1008.915+/-0.085 χ^2/NDF: 17777167.0/1

- sign 1034.040+/-0.124 χ^2/NDF: 8775596.4/58

cor_asym_usl_mean vs Slug



Right In: 2152.216+/-231.801 χ^2/NDF: 14.2/33

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

Right Out: -2241.827+/-237.072 χ^2/NDF: 21.5/35

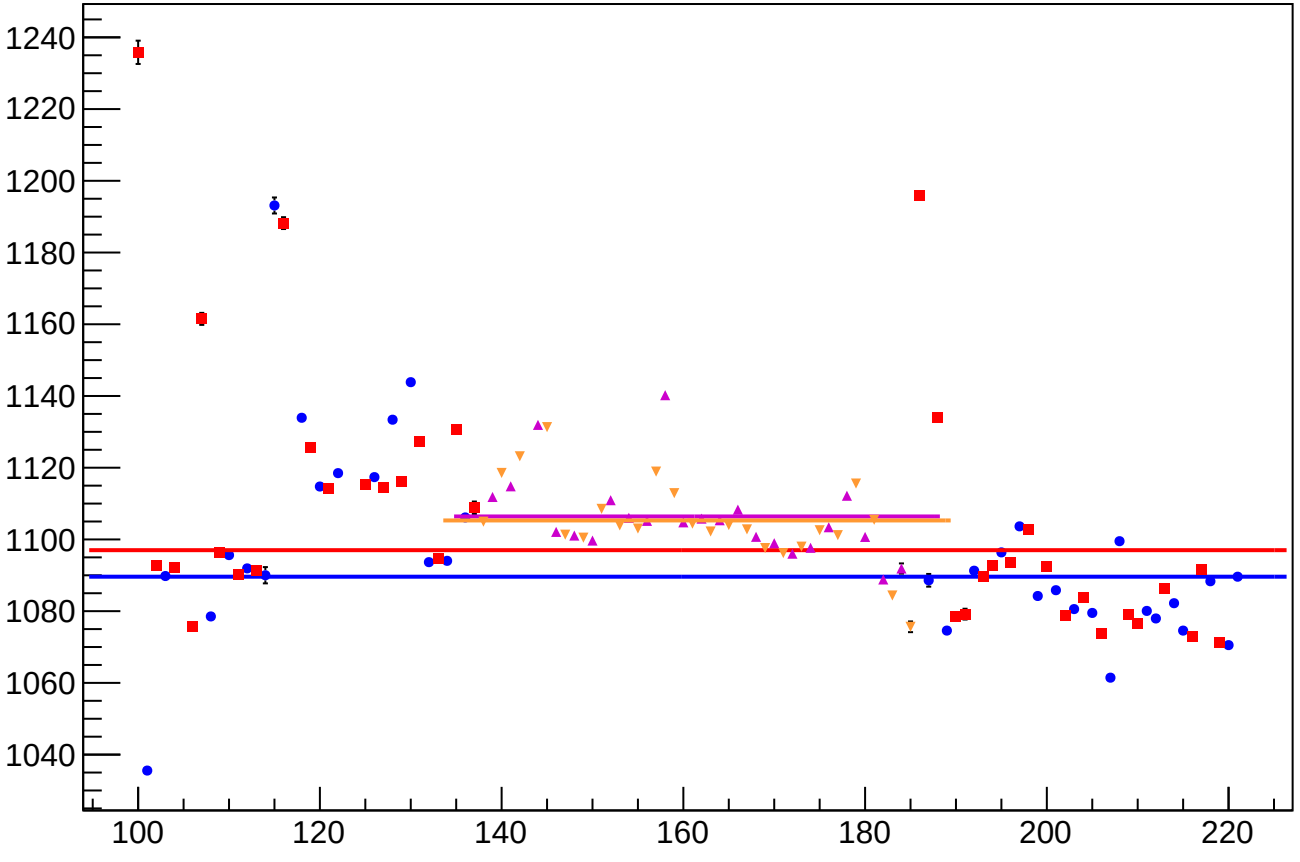
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1890.997+/-171.990 χ^2/NDF: 32.4/57

All: -65.035+/-122.552 χ^2/NDF: 341.8/116

- sign -2082.519+/-174.671 χ^2/NDF: 46.6/58

cor_asym_usl_rms vs Slug



Right In: 1089.610+/-0.164 χ^2/NDF: 16832.0/33

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

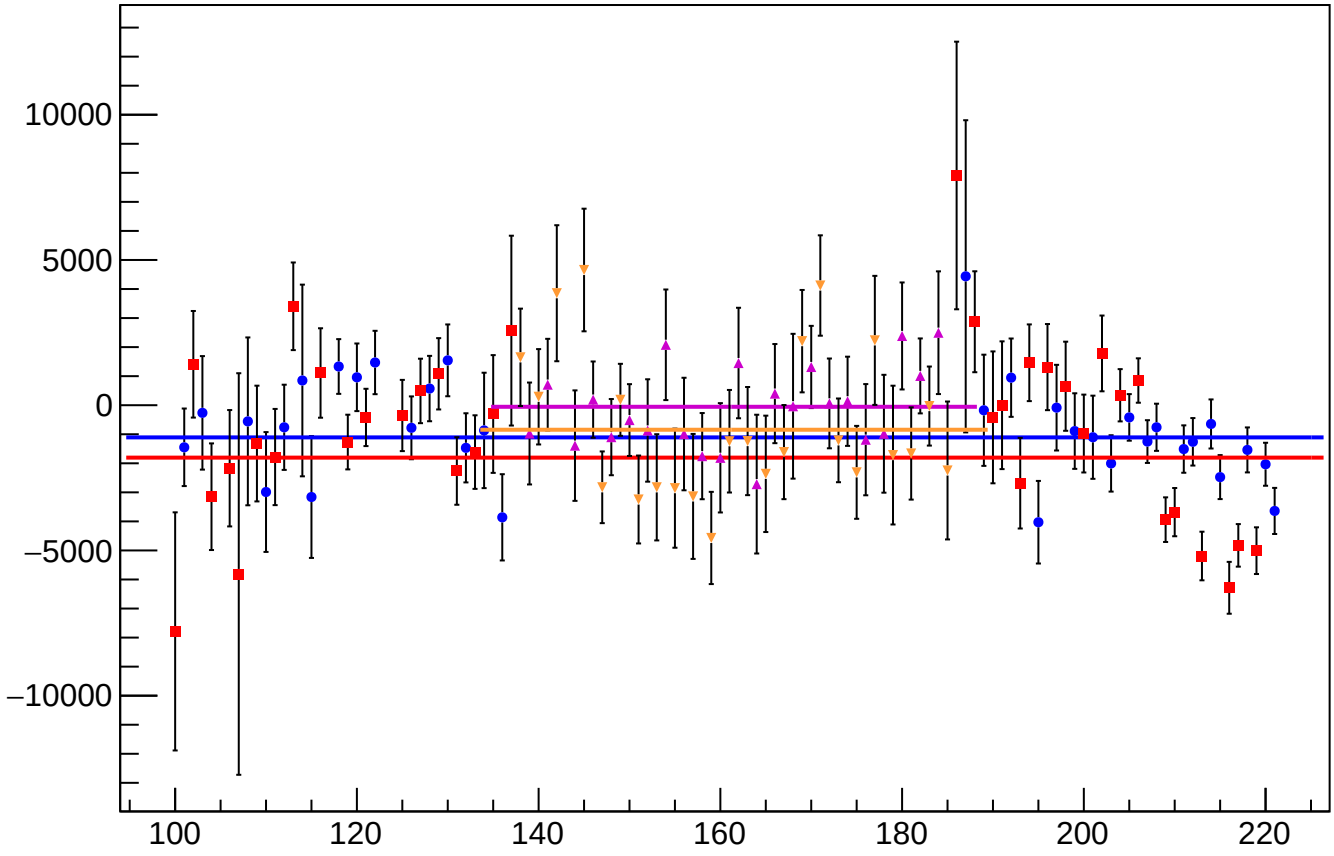
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.660+/-0.122 χ^2/NDF: 24109.3/57

All: 1098.945+/-0.087 χ^2/NDF: 52901.2/116

- sign 1101.302+/-0.124 χ^2/NDF: 28074.6/58

asym_usl_cor_correction_mean vs Slug



Right In: -1108.008+/-187.378 χ^2/NDF: 54.5/33

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

Right Out: -1804.412+/-202.557 χ^2/NDF: 176.8/35

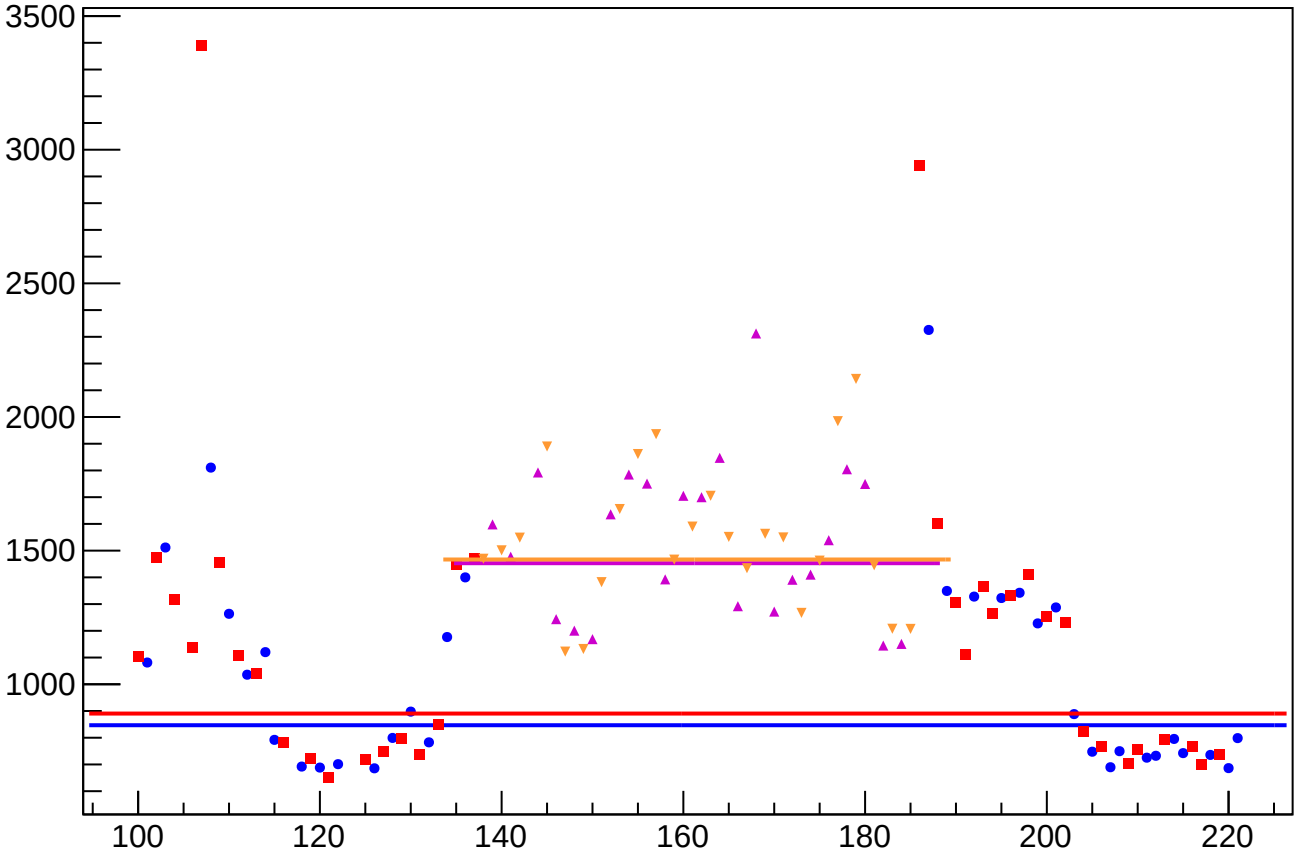
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -1048.643+/-164.912 χ^2/NDF: 99.1/57

All: -1194.157+/-119.954 χ^2/NDF: 309.7/116

- sign -1357.644+/-174.800 χ^2/NDF: 208.9/58

asym_usl_cor_correction_rms vs Slug



Right In: 846.781+/-0.132 χ^2/NDF: 2943336.5/33

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

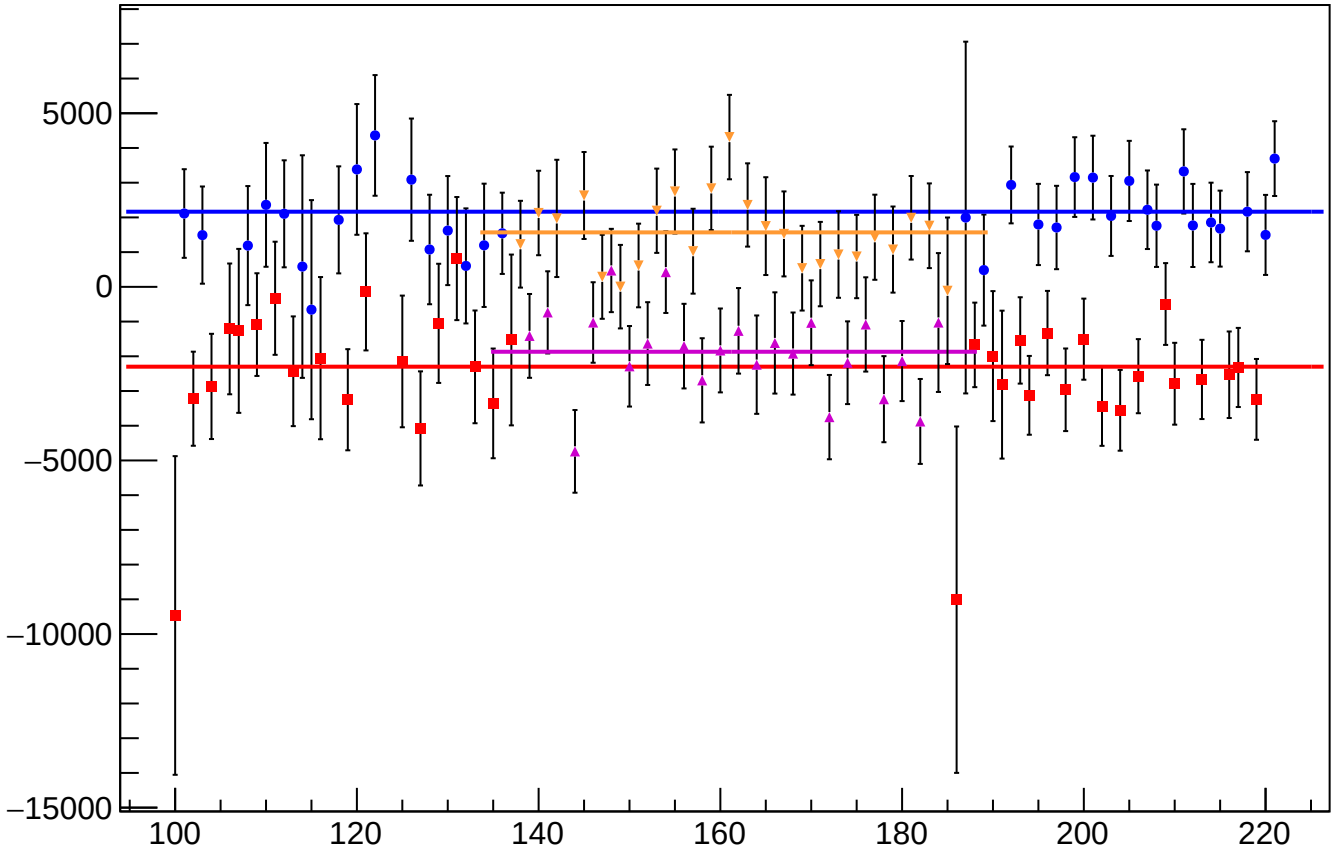
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 986.552+/-0.117 χ^2/NDF: 8923473.0/57

All: 1008.915+/-0.085 χ^2/NDF: 17777166.0/1

- sign 1034.040+/-0.124 χ^2/NDF: 8775595.6/58

overload_cor_asym_usl_mean vs Slug



Right In: 2164.448+/-232.837 χ^2/NDF: 13.6/33

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

Right Out: -2299.363+/-239.111 χ^2/NDF: 23.1/35

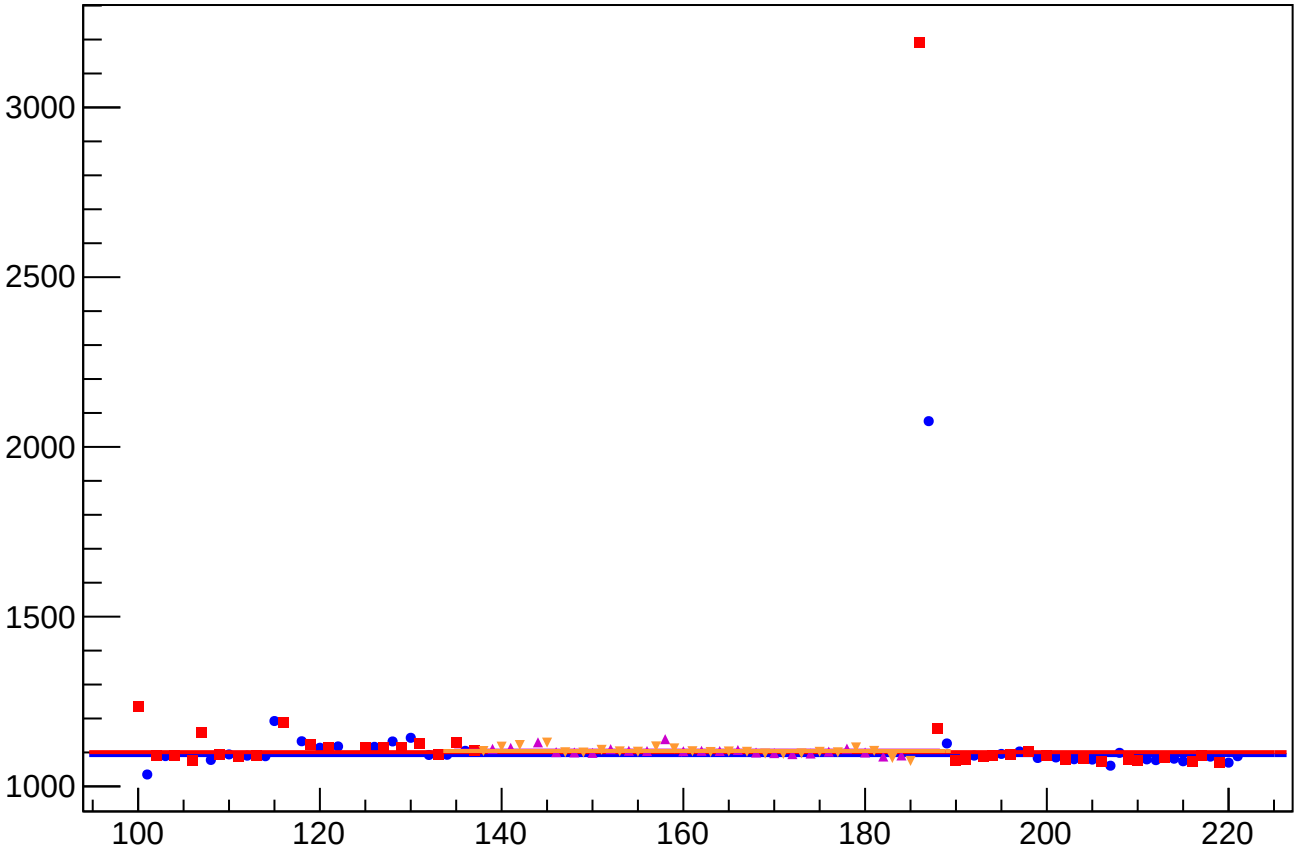
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1895.118+/-172.338 χ^2/NDF: 32.0/57

All: -67.568+/-122.932 χ^2/NDF: 344.1/116

- sign -2100.752+/-175.406 χ^2/NDF: 48.0/58

overload_cor_asym_usl_rms vs Slug



Right In: 1092.148+/-0.165 χ^2/NDF: 93098.9/33

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

Right Out: 1100.864+/-0.169 χ^2/NDF: 374299.0/35

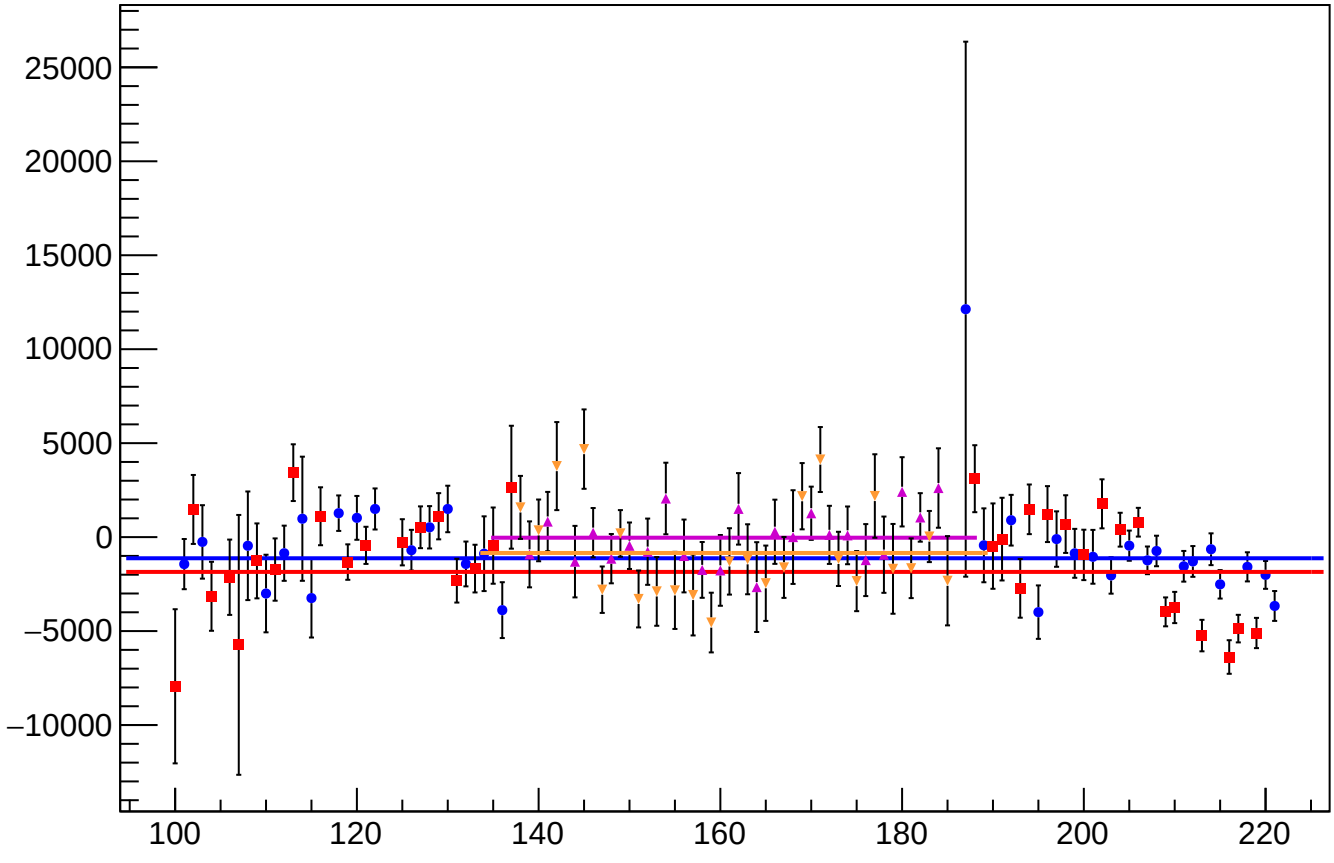
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1097.623+/-0.122 χ^2/NDF: 98544.6/57

All: 1100.240+/-0.087 χ^2/NDF: 477772.6/116

- sign 1102.950+/-0.124 χ^2/NDF: 378289.5/58

asym_usl_overload_cor_correction_mean vs Slug



Right In: -1125.176+/-187.748 χ^2/NDF: 54.2/33

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

Right Out: -1851.161+/-203.065 χ^2/NDF: 176.1/34

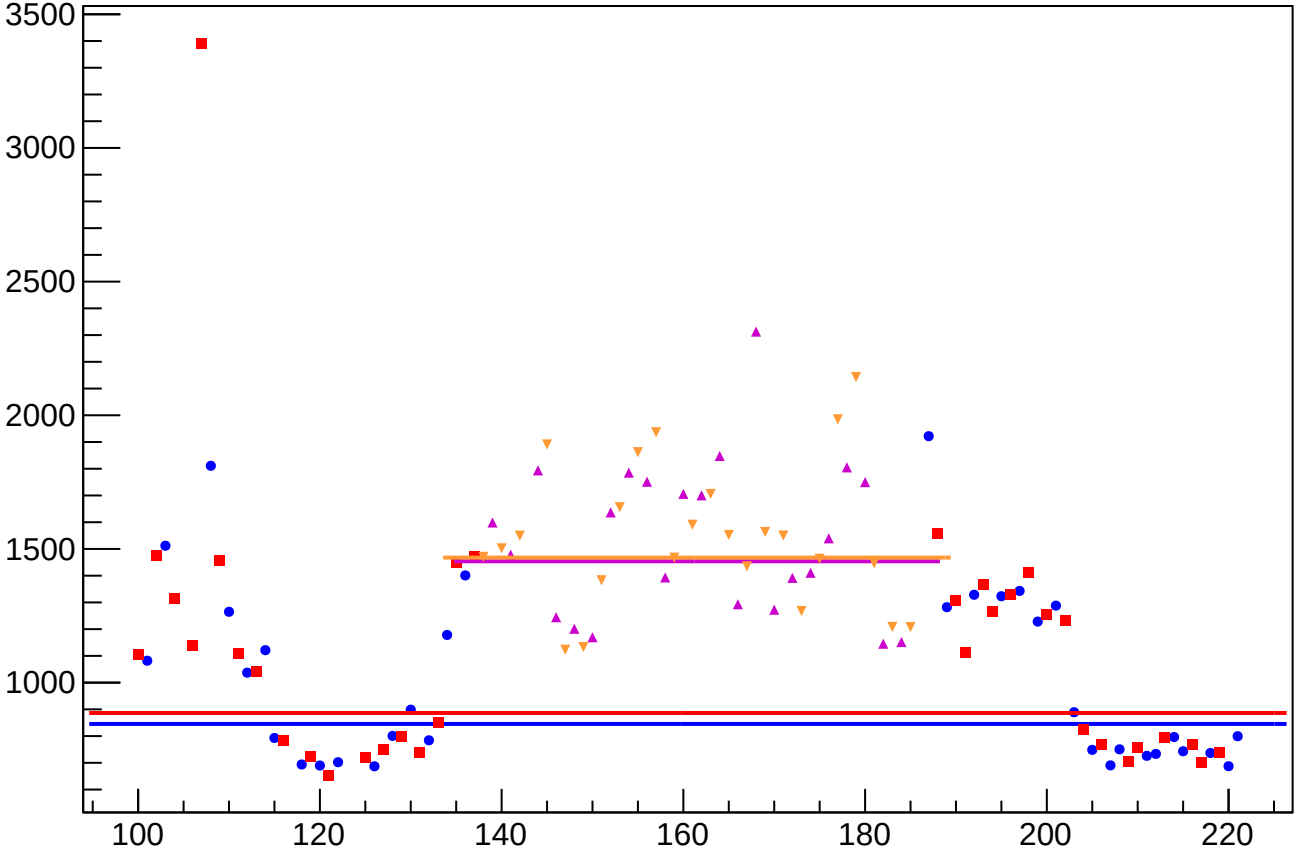
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -1061.493+/-165.185 χ^2/NDF: 98.7/57

All: -1213.898+/-120.173 χ^2/NDF: 310.3/115

- sign -1385.249+/-175.152 χ^2/NDF: 209.7/57

asym_usl_overload_cor_correction_rms vs Slug



Right In: 845.399+/-0.133 χ^2/NDF: 2756250.9/33

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

Right Out: 886.415+/-0.144 χ^2/NDF: 3244594.3/34

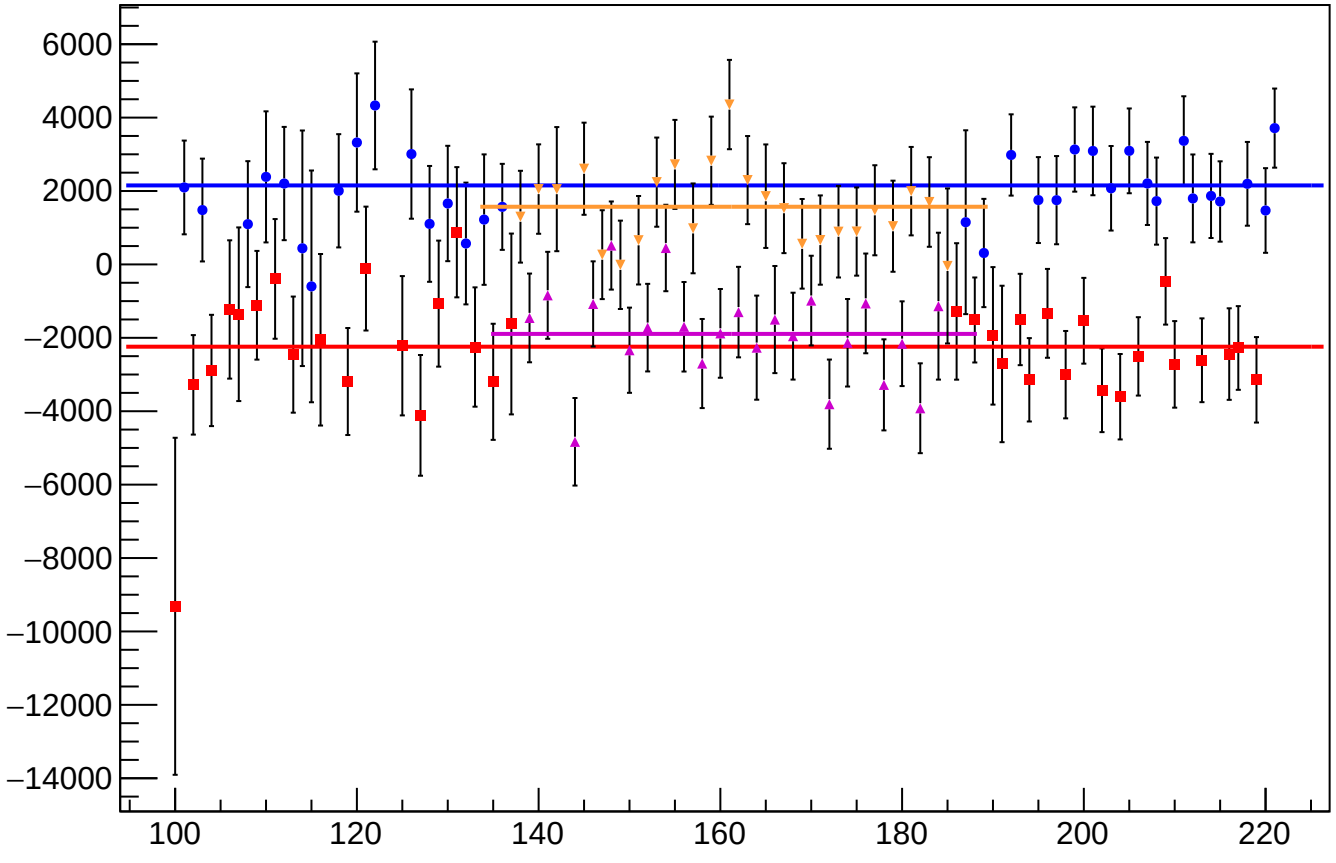
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 985.983+/-0.117 χ^2/NDF: 8761907.5/57

All: 1007.499+/-0.085 χ^2/NDF: 17204669.6/1

- sign 1031.690+/-0.124 χ^2/NDF: 8370680.8/57

eigen_cor_asym_usl_mean vs Slug



Right In: 2152.216+/-231.801 χ^2/NDF: 14.2/33

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

Right Out: -2241.827+/-237.072 χ^2/NDF: 21.5/35

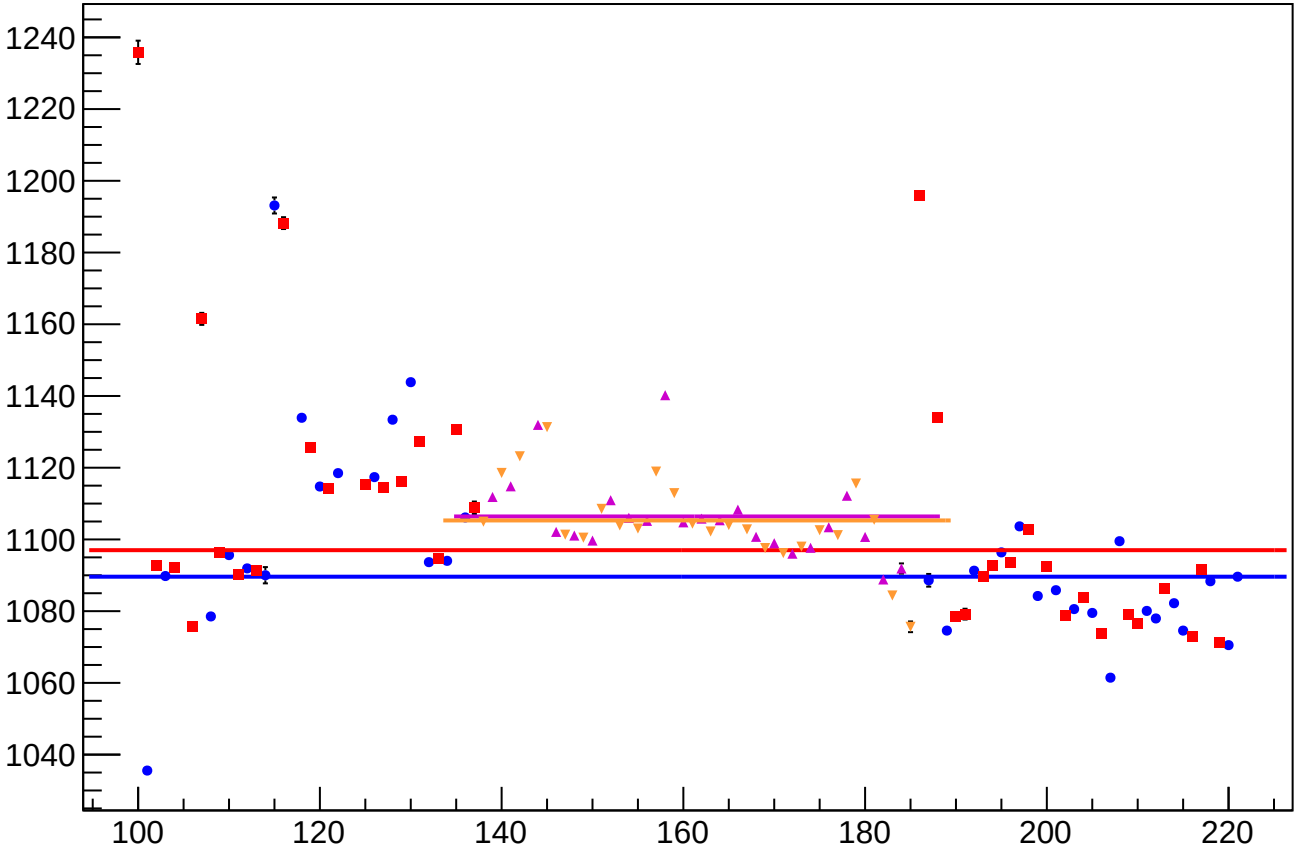
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1890.997+/-171.990 χ^2/NDF: 32.4/57

All: -65.035+/-122.552 χ^2/NDF: 341.8/116

- sign -2082.519+/-174.671 χ^2/NDF: 46.6/58

eigen_cor_asym_usl_rms vs Slug



Right In: 1089.610+/-0.164 χ^2/NDF: 16832.0/33

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

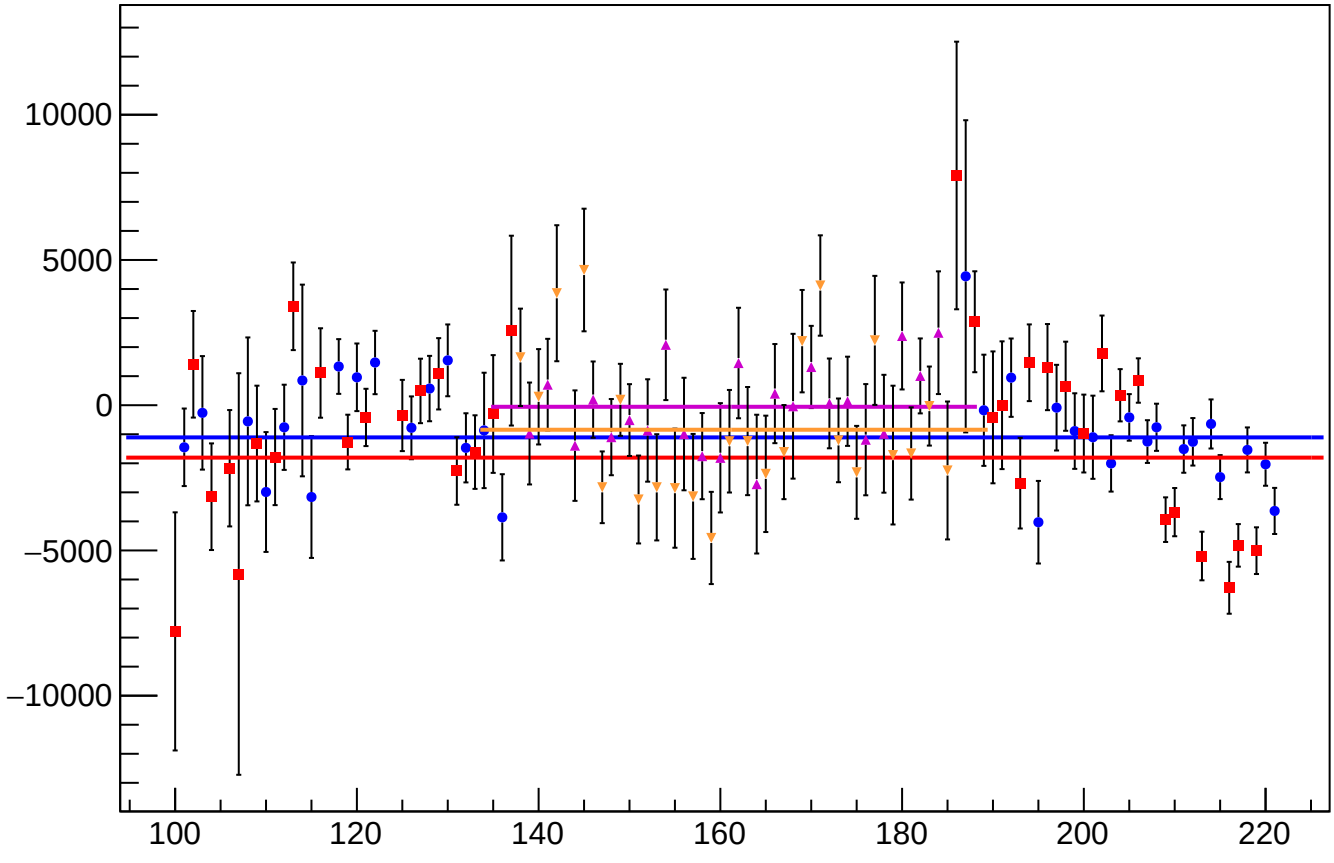
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.660+/-0.122 χ^2/NDF: 24109.3/57

All: 1098.945+/-0.087 χ^2/NDF: 52901.2/116

- sign 1101.302+/-0.124 χ^2/NDF: 28074.6/58

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -1108.008+/-187.378 χ^2/NDF: 54.5/33

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

Right Out: -1804.412+/-202.557 χ^2/NDF: 176.8/35

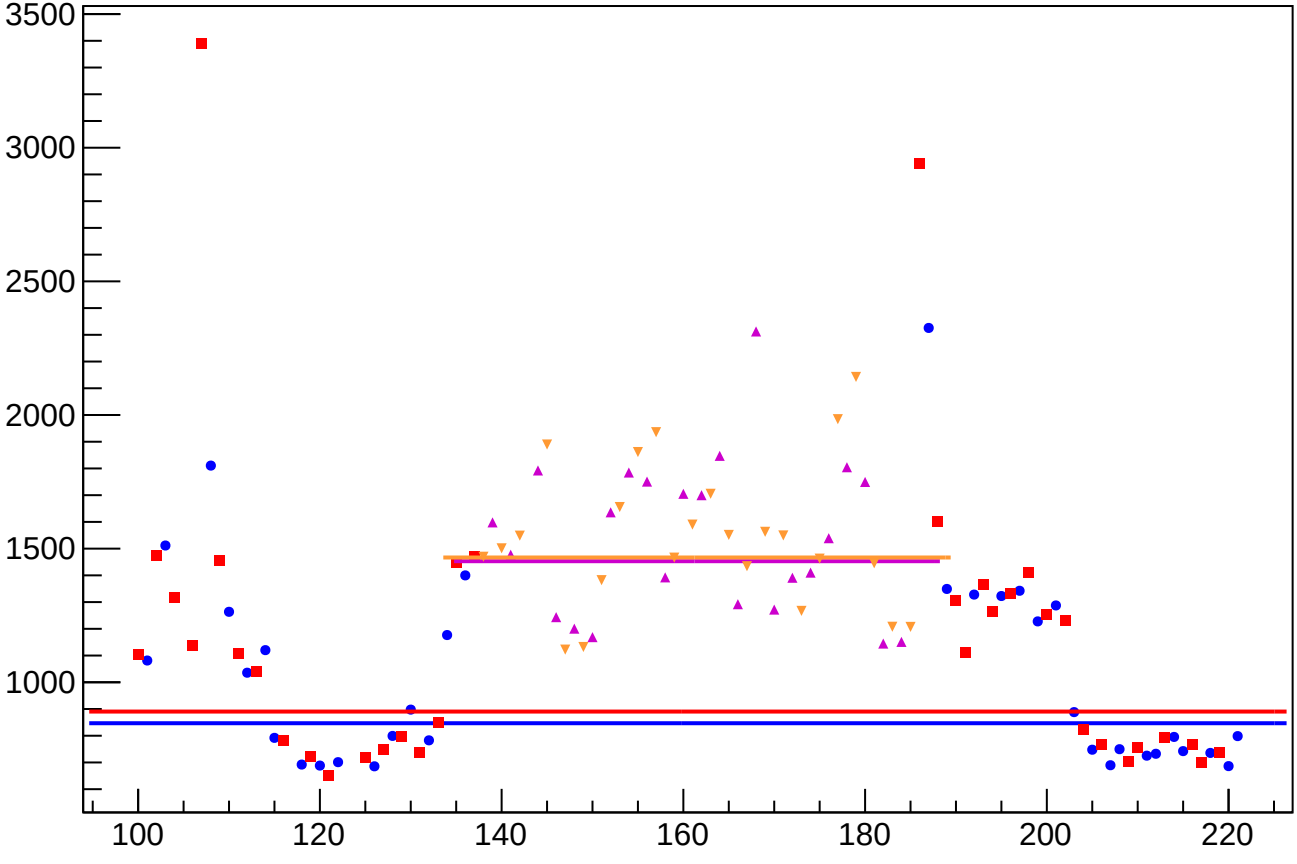
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -1048.643+/-164.912 χ^2/NDF: 99.1/57

All: -1194.157+/-119.954 χ^2/NDF: 309.7/116

- sign -1357.644+/-174.800 χ^2/NDF: 208.9/58

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 846.781+/-0.132 χ^2/NDF: 2943336.5/33

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

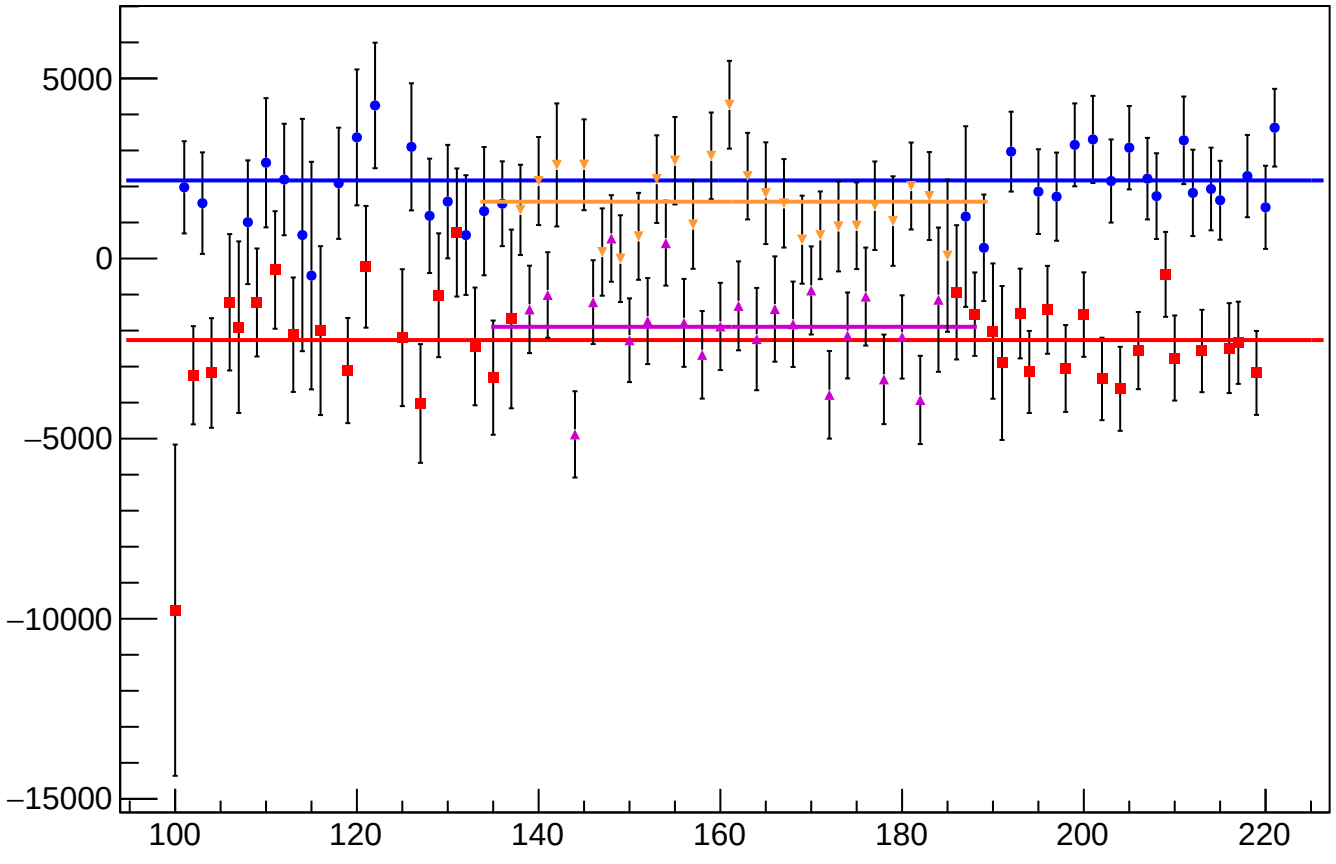
Right Out: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

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

+ sign 986.552+/-0.117 χ^2/NDF: 8923473.0/57

All: 1008.915+/-0.085 χ^2/NDF: 17777166.0/1

- sign 1034.040+/-0.124 χ^2/NDF: 8775595.6/58



Right In: 2168.009+/-232.423 χ^2/NDF: 14.0/33

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

Right Out: -2263.505+/-237.818 χ^2/NDF: 21.4/35

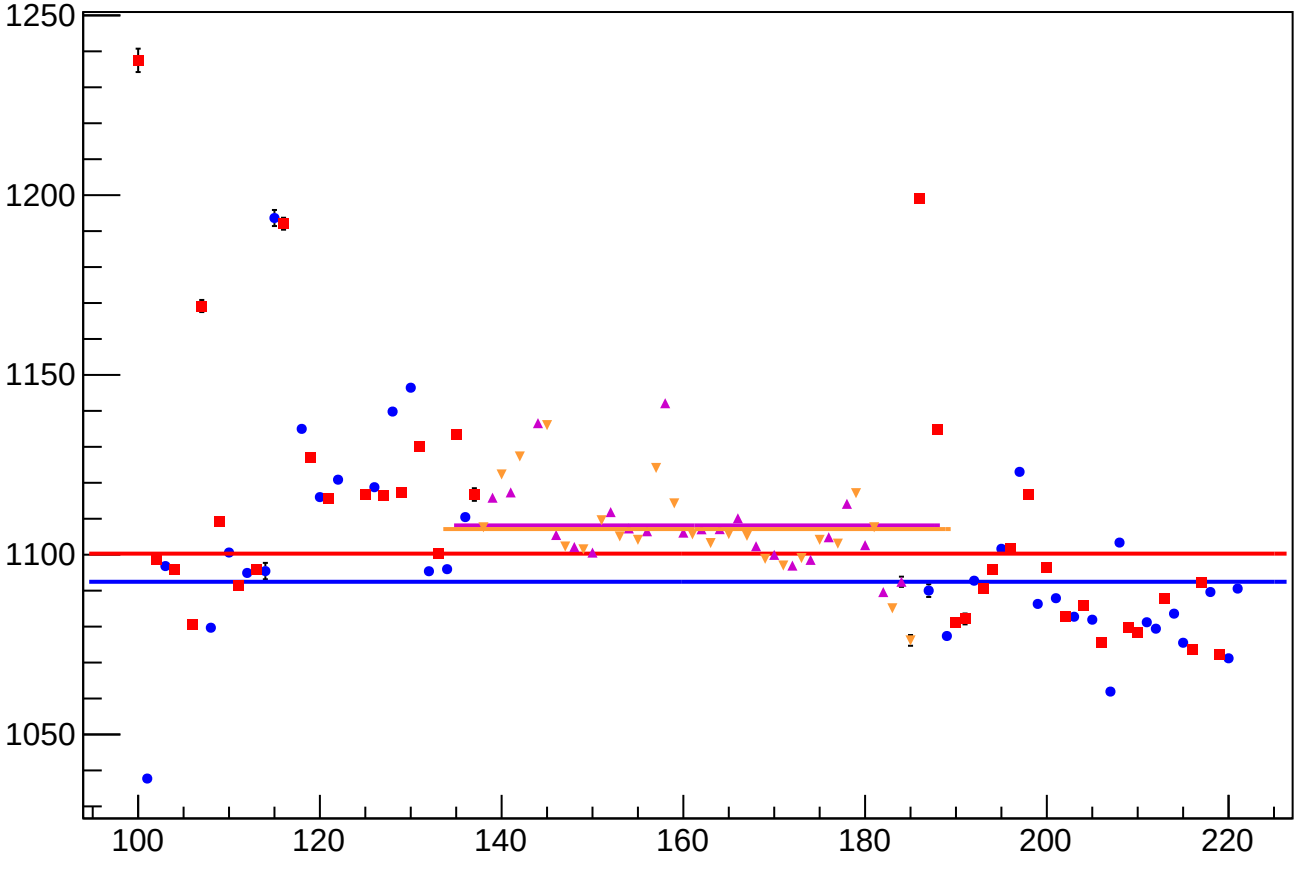
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1902.292+/-172.385 χ^2/NDF: 32.5/57

All: -65.171+/-122.842 χ^2/NDF: 343.7/116

- sign -2095.010+/-175.096 χ^2/NDF: 46.6/58

dit_asym_usl_rms vs Slug



Right In: 1092.468+/-0.164 χ^2/NDF: 18602.0/33

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

Right Out: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

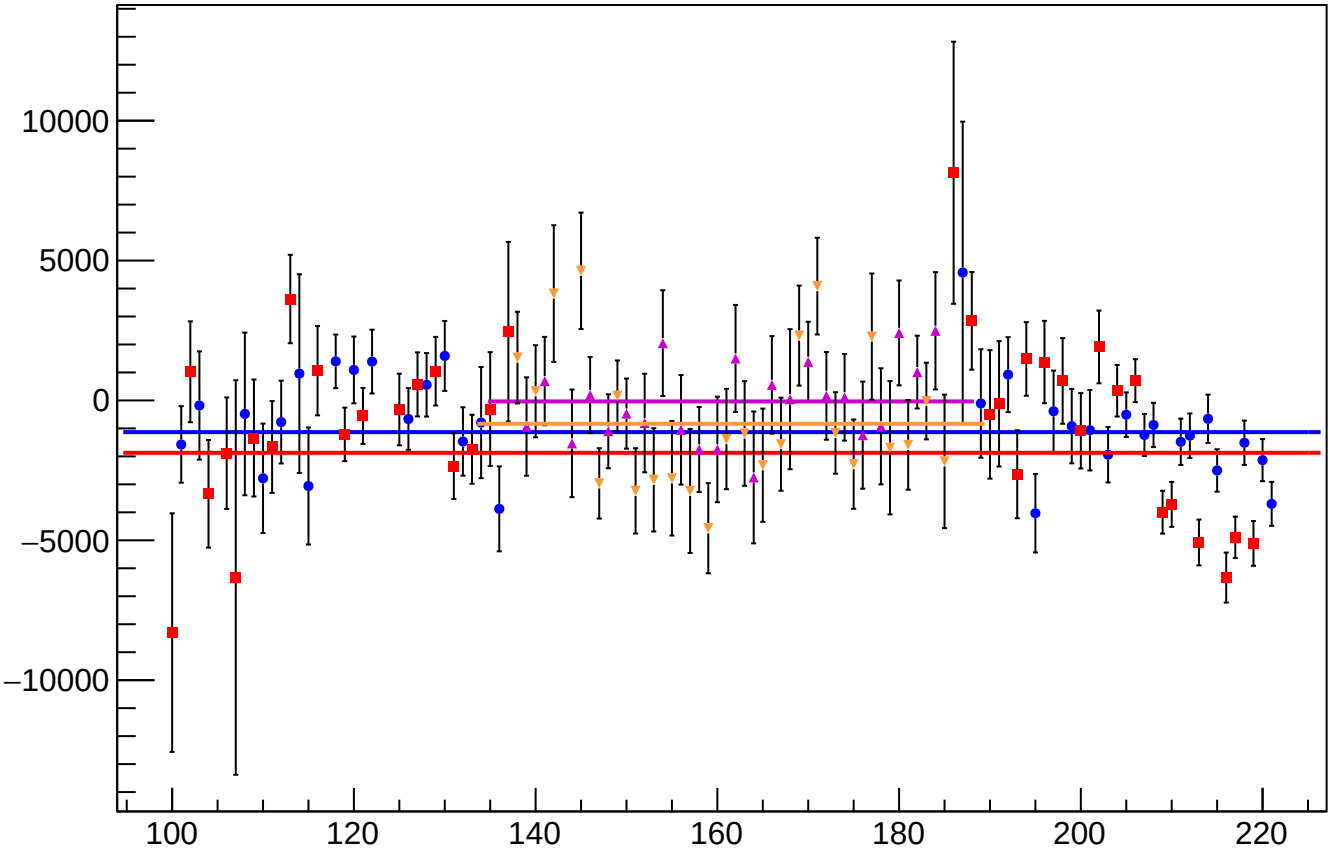
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.063+/-0.122 χ^2/NDF: 25964.7/57

All: 1101.439+/-0.087 χ^2/NDF: 55573.5/116

- sign 1103.890+/-0.124 χ^2/NDF: 28837.1/58

asym_usl_dit_correction_mean vs Slug



Right In: -1132.924+/-188.773 χ^2/NDF: 54.3/33

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

Right Out: -1872.168+/-203.364 χ^2/NDF: 177.2/35

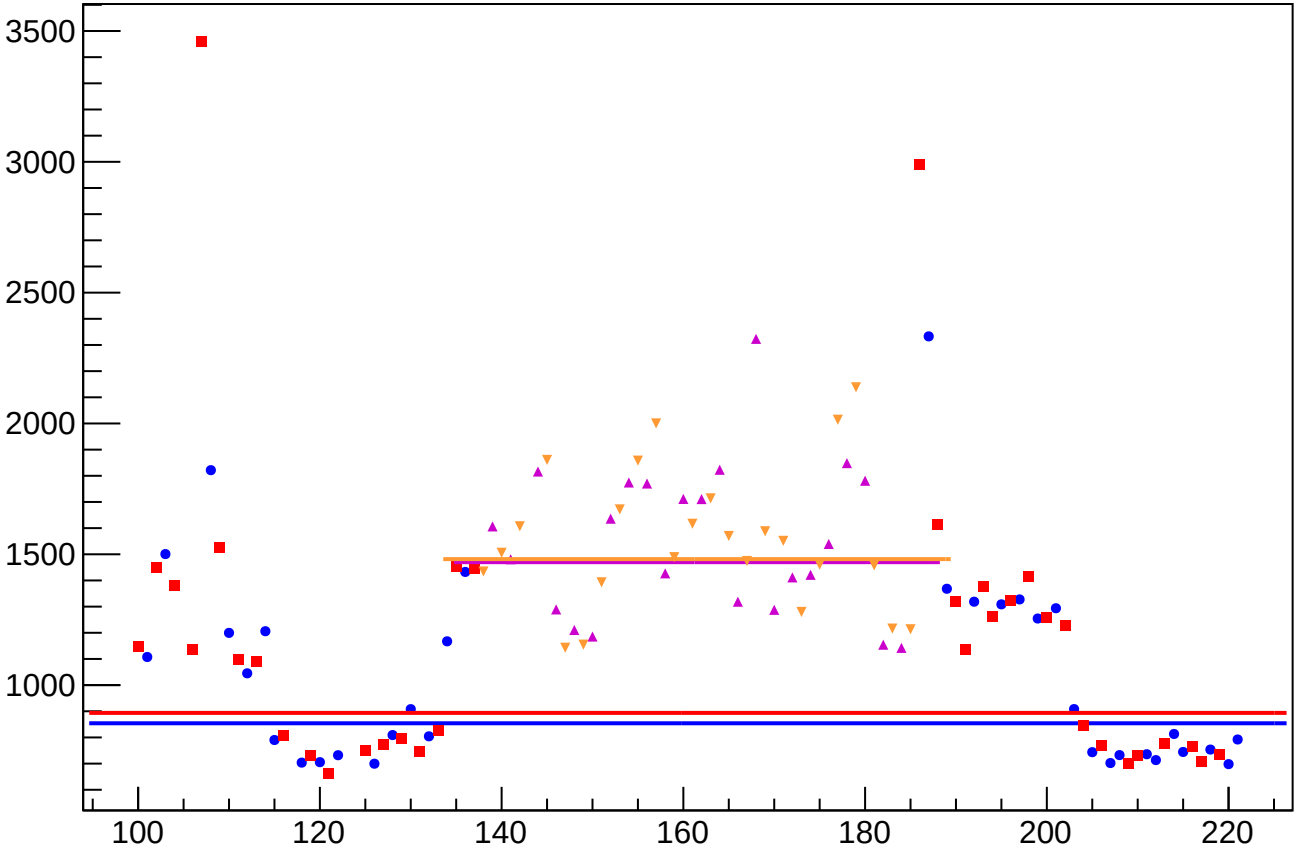
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -1066.035+/-166.213 χ^2/NDF: 98.5/57

All: -1227.392+/-120.774 χ^2/NDF: 311.4/116

- sign -1407.880+/-175.791 χ^2/NDF: 211.0/58

asym_usl_dit_correction_rms vs Slug



Right In: 854.165+/-0.133 χ^2/NDF: 2899226.2/33

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

Right Out: 893.857+/-0.144 χ^2/NDF: 3751589.9/35

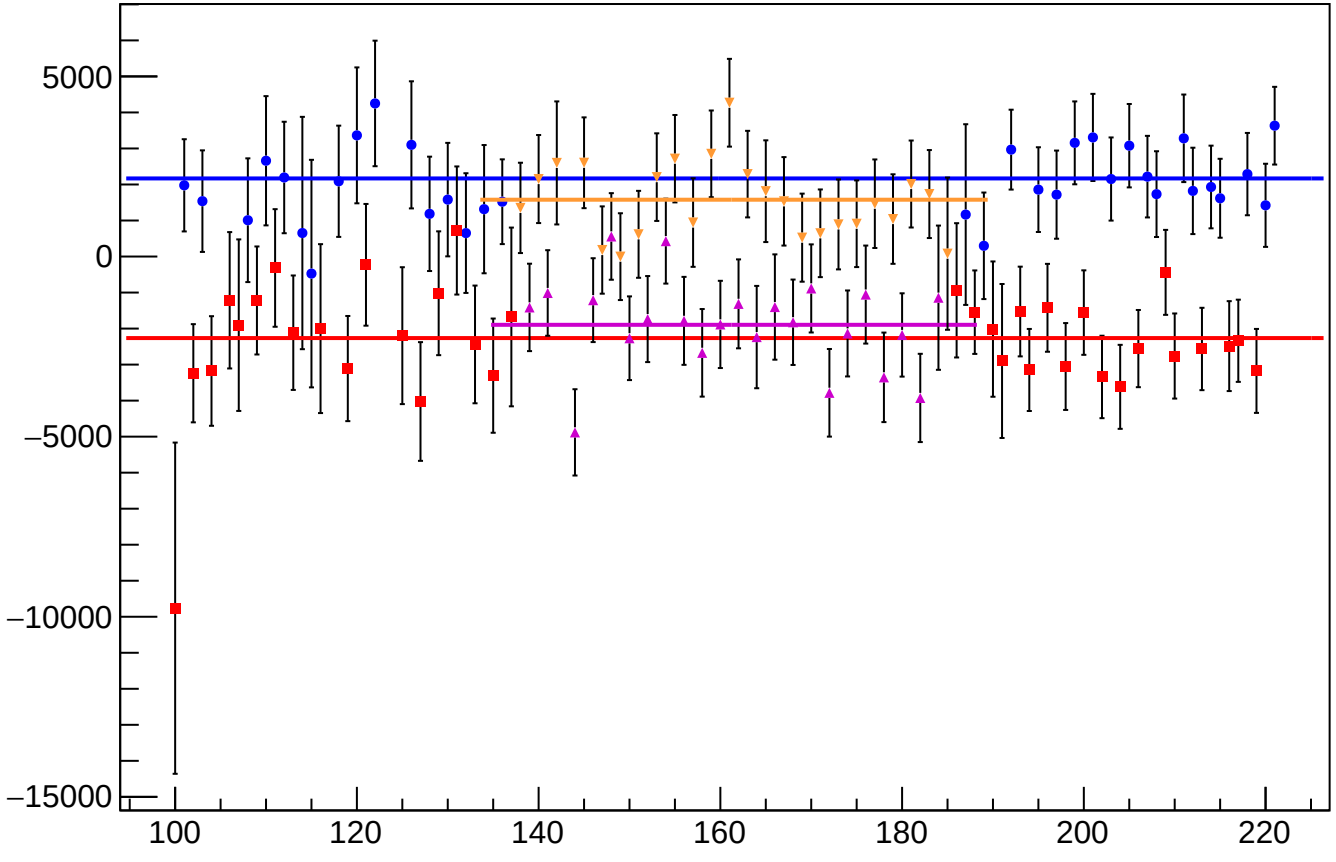
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 995.159+/-0.118 χ^2/NDF: 8881224.1/57

All: 1016.077+/-0.085 χ^2/NDF: 17851578.4/1

- sign 1039.476+/-0.124 χ^2/NDF: 8903239.8/58

eigen_dit_asym_usl_mean vs Slug



Right In: 2168.009+/-232.423 χ^2/NDF: 14.0/33

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

Right Out: -2263.504+/-237.818 χ^2/NDF: 21.4/35

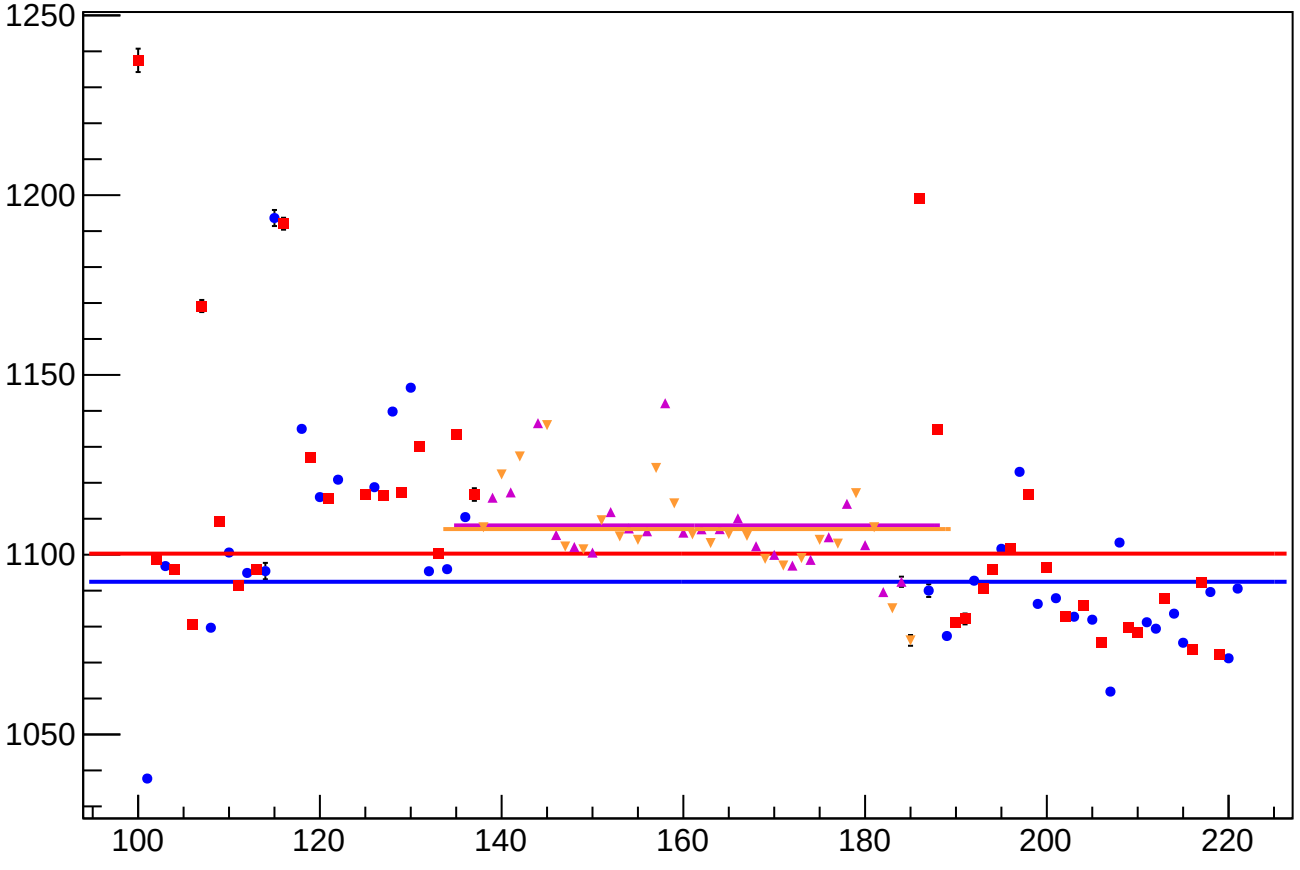
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1902.290+/-172.385 χ^2/NDF: 32.5/57

All: -65.172+/-122.842 χ^2/NDF: 343.7/116

- sign -2095.010+/-175.096 χ^2/NDF: 46.6/58

eigen_dit_asym_usl_rms vs Slug



Right In: 1092.468+/-0.164 χ^2/NDF: 18602.0/33

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

Right Out: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

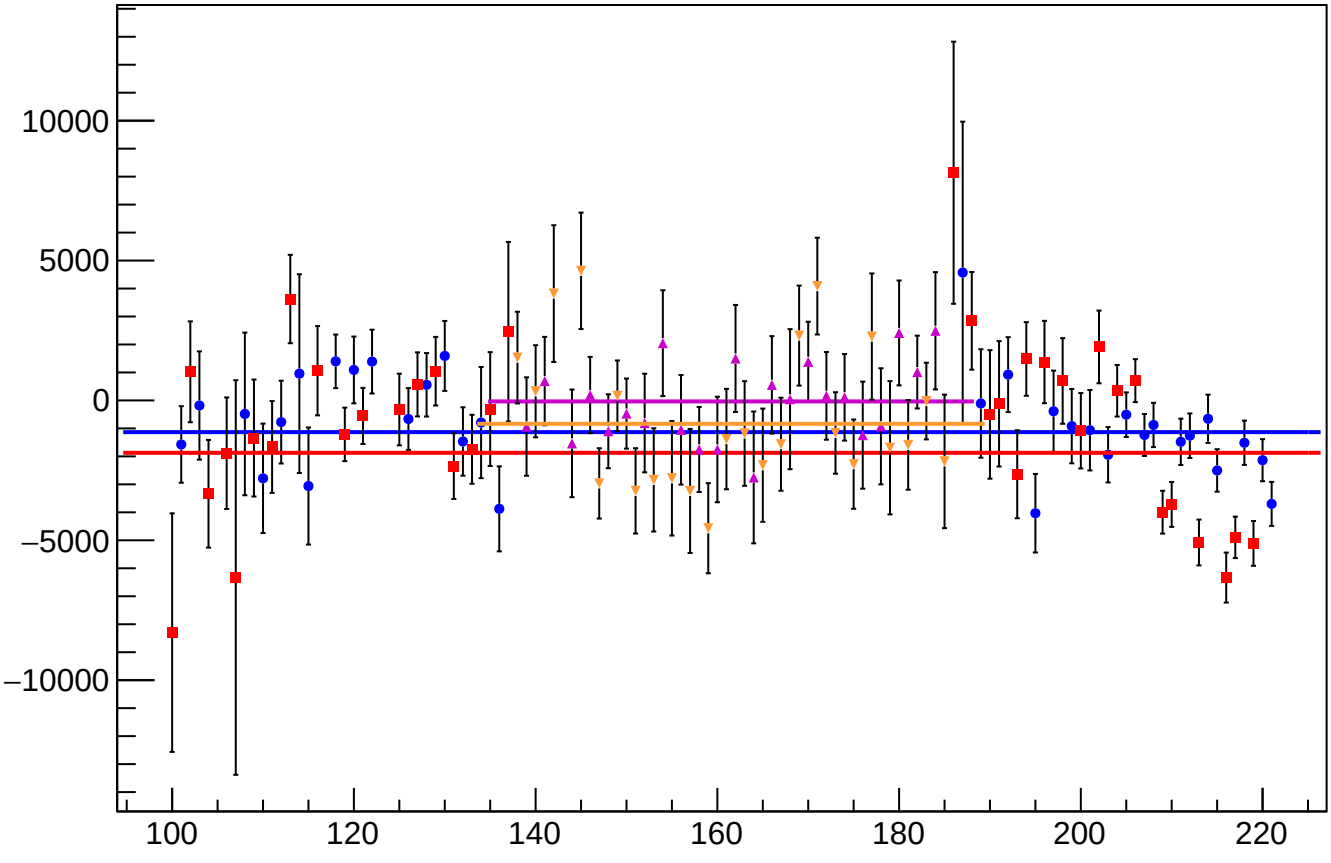
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.063+/-0.122 χ^2/NDF: 25964.7/57

All: 1101.439+/-0.087 χ^2/NDF: 55573.5/116

- sign 1103.890+/-0.124 χ^2/NDF: 28837.0/58

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -1132.921+/-188.773 χ^2/NDF: 54.3/33

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

Right Out: -1872.165+/-203.364 χ^2/NDF: 177.2/35

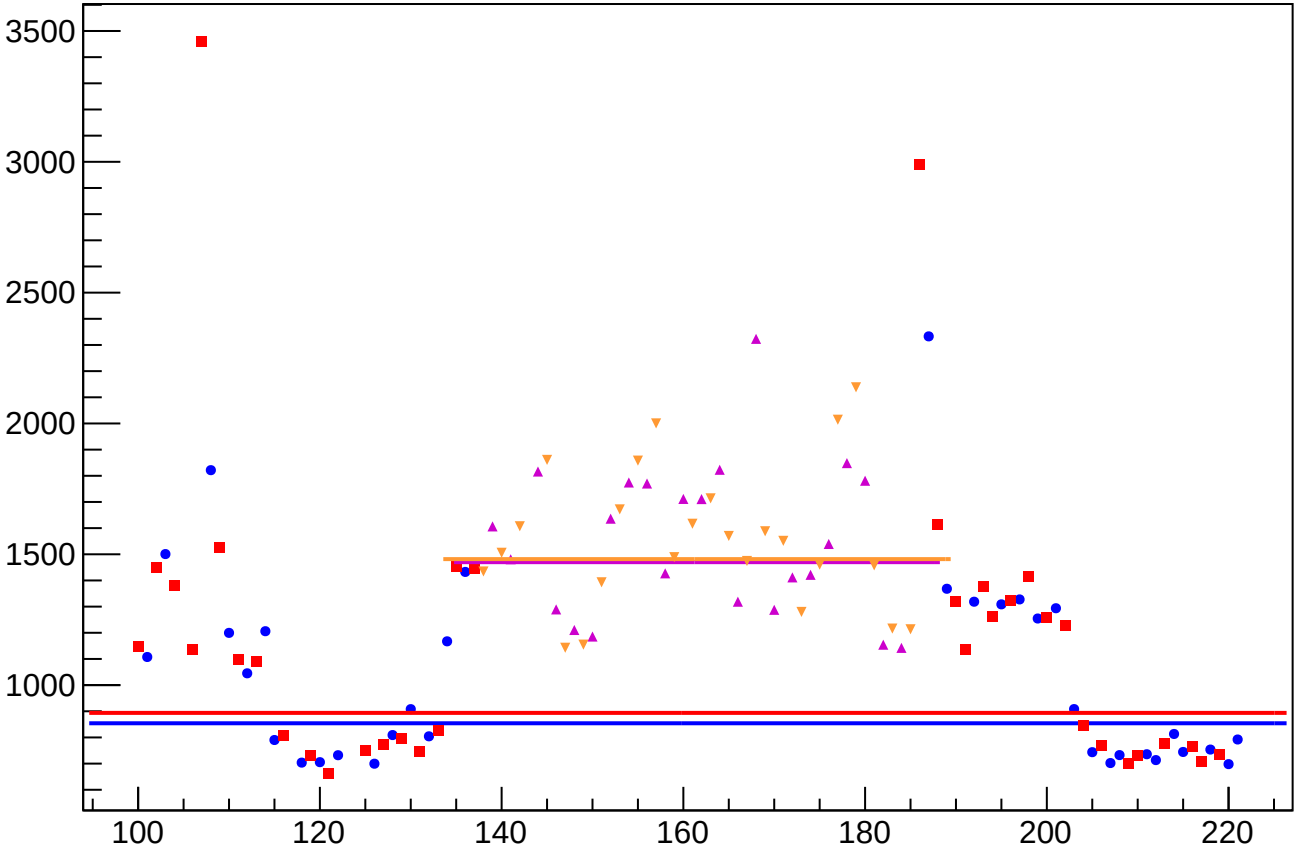
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -1066.034+/-166.213 χ^2/NDF: 98.5/57

All: -1227.391+/-120.774 χ^2/NDF: 311.4/116

- sign -1407.879+/-175.791 χ^2/NDF: 211.0/58

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 854.165+/-0.133 χ^2/NDF: 2899225.2/33

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

Right Out: 893.856+/-0.144 χ^2/NDF: 3751588.7/35

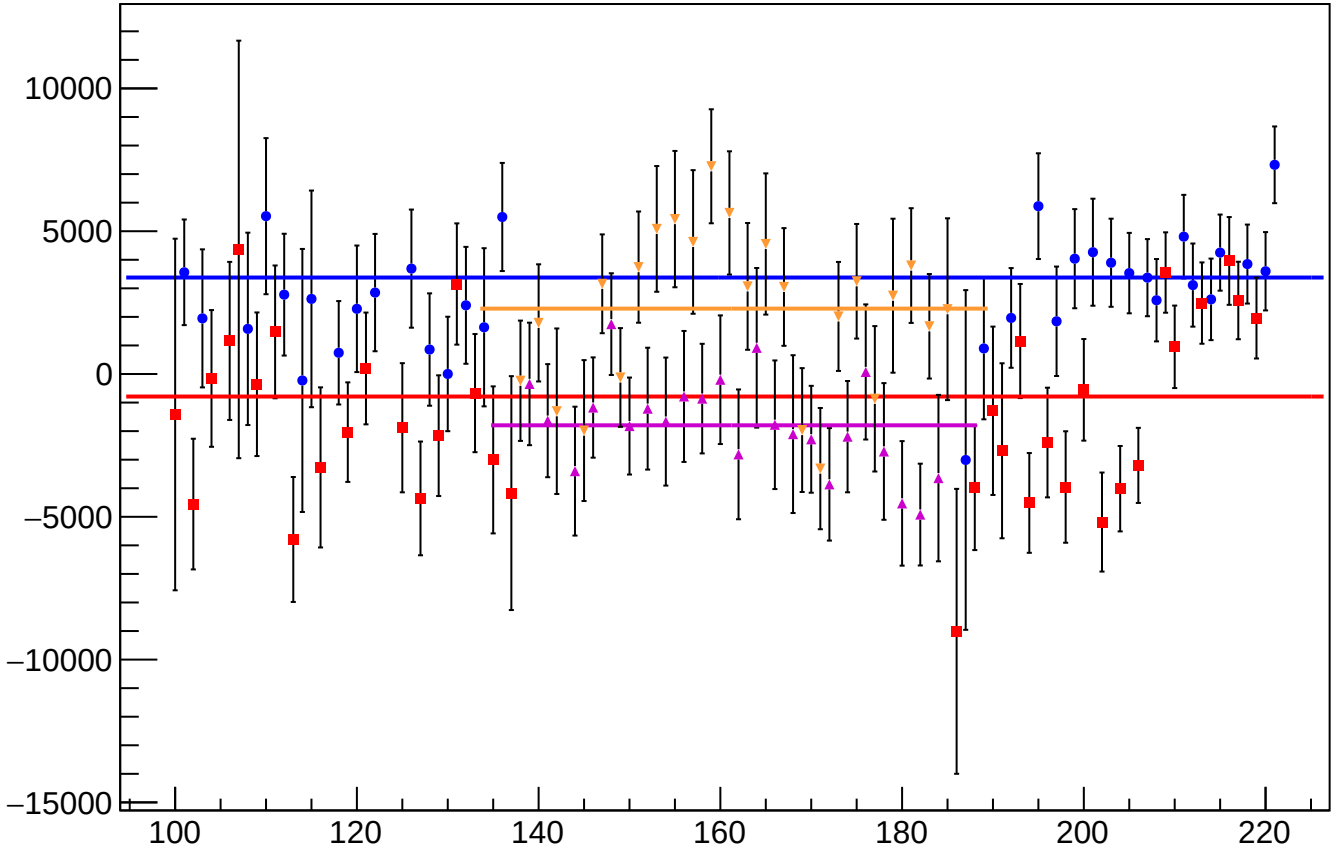
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 995.158+/-0.118 χ^2/NDF: 8881240.7/57

All: 1016.077+/-0.085 χ^2/NDF: 17851611.2/1

- sign 1039.476+/-0.124 χ^2/NDF: 8903256.2/58

asym_usl_mean vs Slug



Right In: 3378.516+/-309.902 χ^2/NDF: 27.3/33

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

Right Out: -788.457+/-327.037 χ^2/NDF: 84.6/35

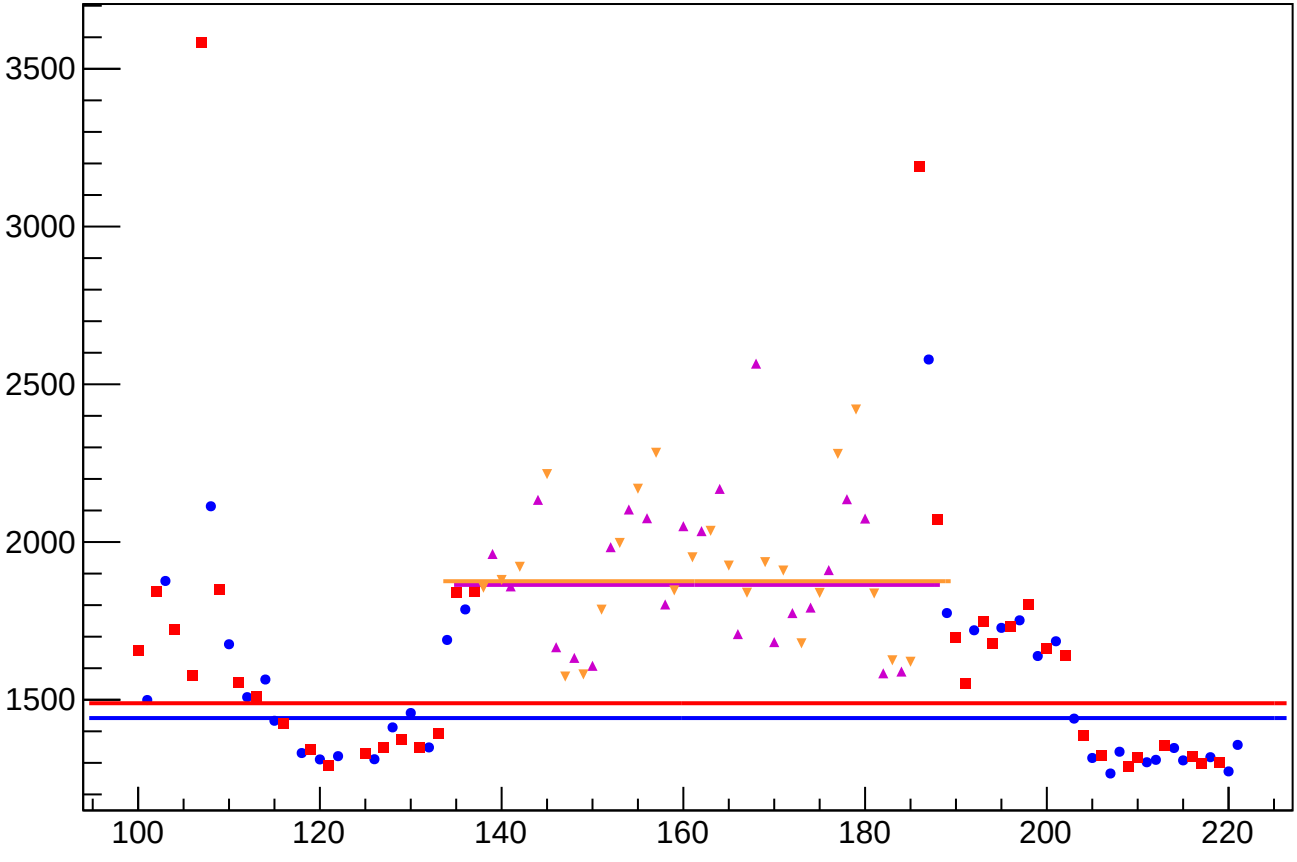
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 3016.747+/-253.238 χ^2/NDF: 67.5/57

All: 1007.504+/-182.183 χ^2/NDF: 300.2/116

- sign -1148.006+/-262.293 χ^2/NDF: 102.2/58

asym_usl_rms vs Slug



Right In: 1442.023+/-0.219 χ^2/NDF: 779012.1/33

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

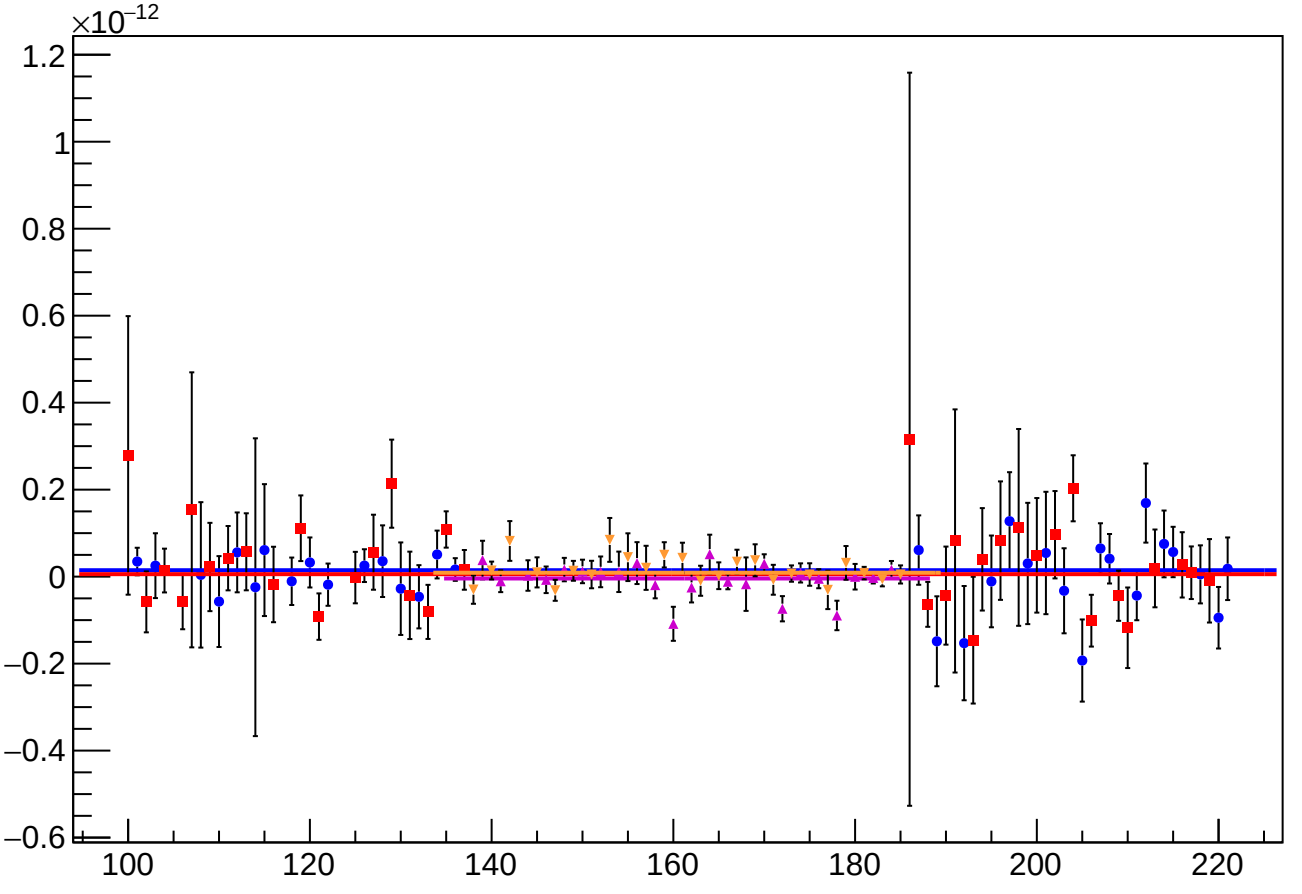
Right Out: 1489.028+/-0.231 χ^2/NDF: 1189579.5/35

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

+ sign 1586.156+/-0.179 χ^2/NDF: 2553623.3/57

All: 1603.861+/-0.129 χ^2/NDF: 5212869.9/11

- sign 1622.856+/-0.185 χ^2/NDF: 2638981.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/35

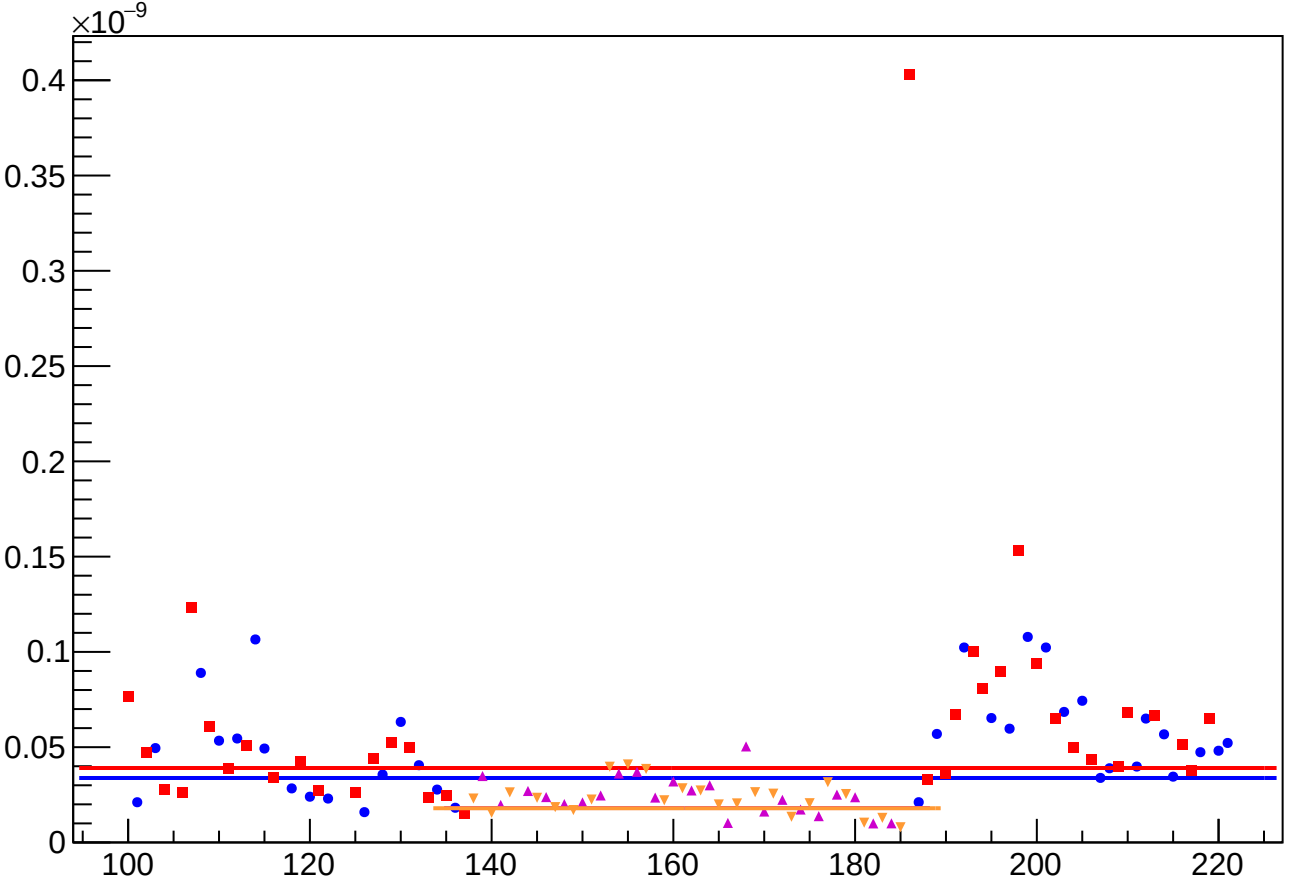
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/57

All: 0.000+/-0.000 χ^2/NDF: 110.4/116

- sign -0.000+/-0.000 χ^2/NDF: 67.7/58

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5837478.6/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4618401.8/35

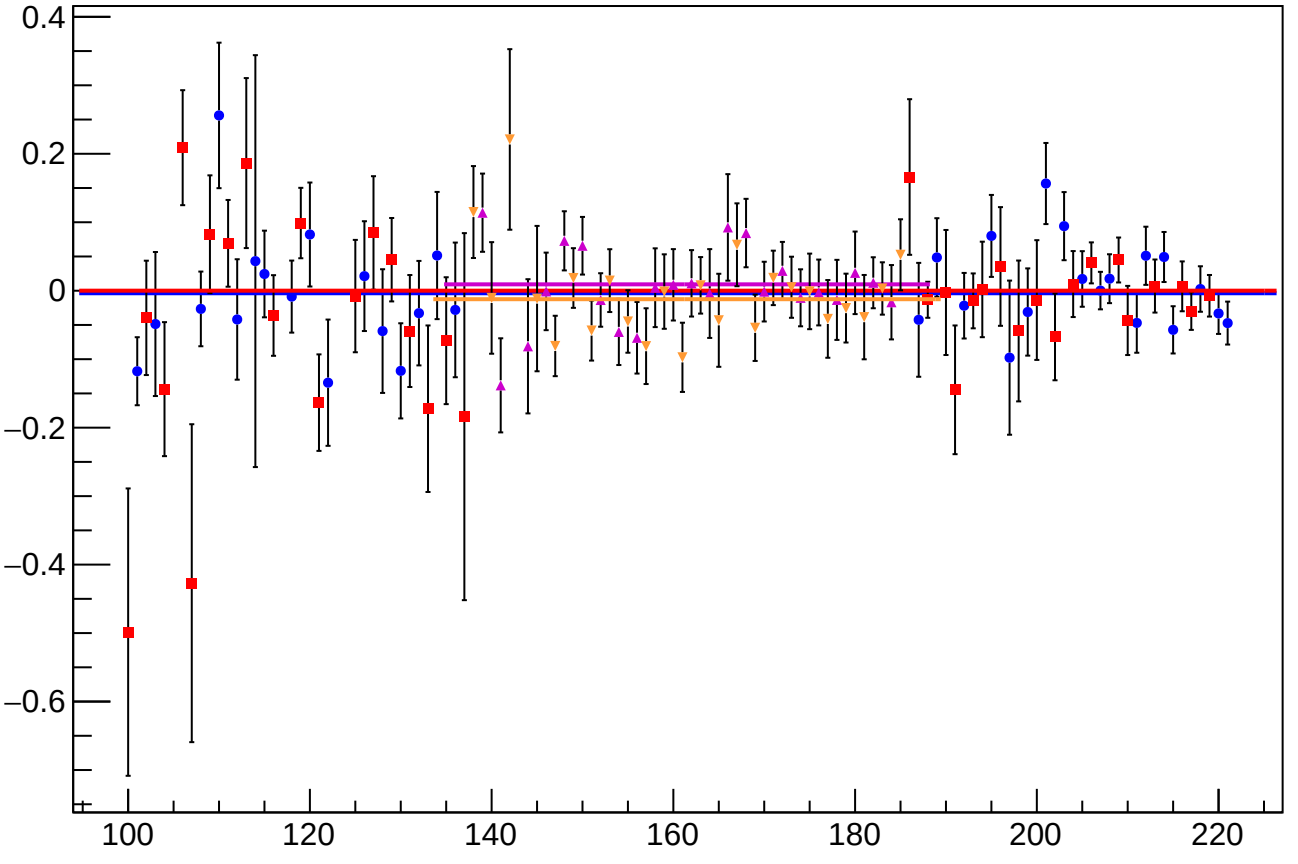
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12710240.1/57

All: 0.000+/-0.000 χ^2/NDF: 26139380.7/116

- sign 0.000+/-0.000 χ^2/NDF: 13426373.4/58

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

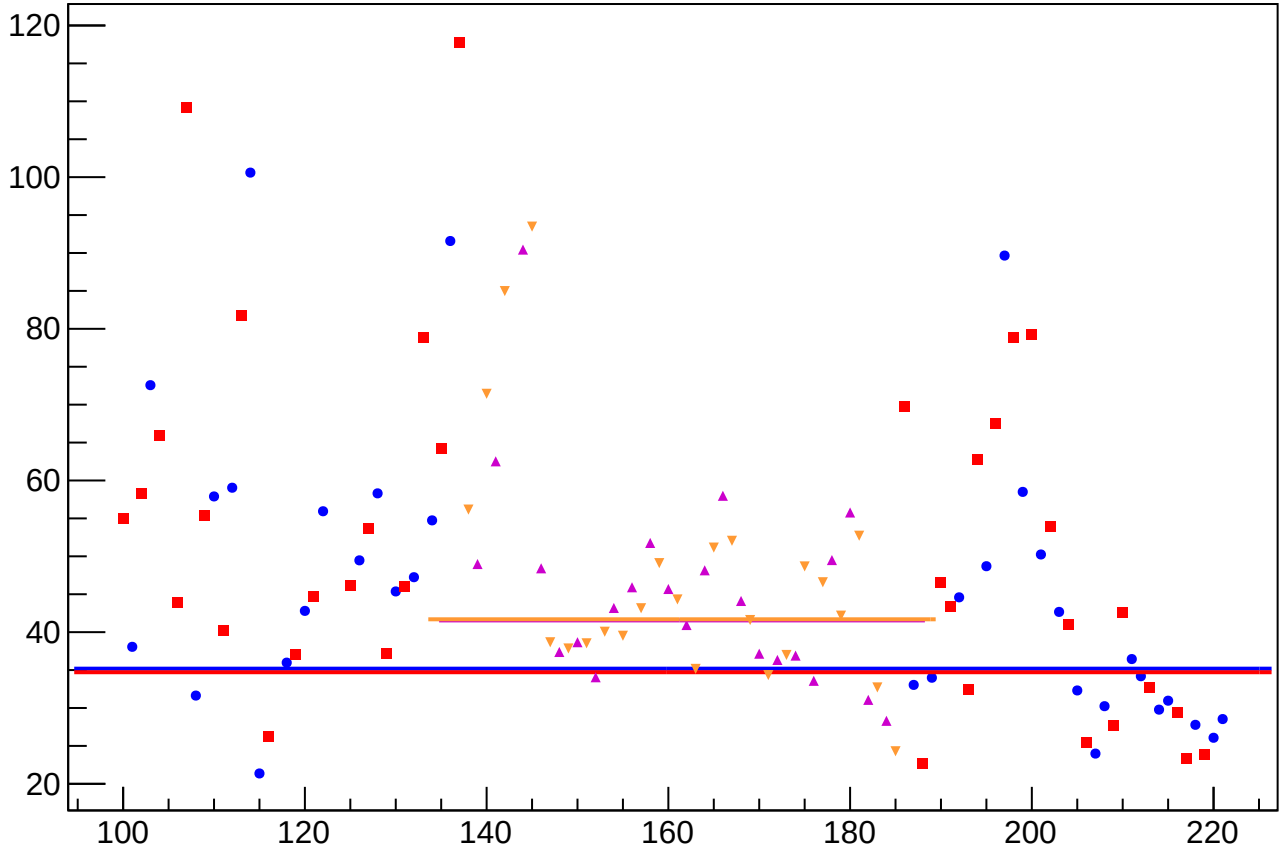
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: -0.002+/-0.005 χ^2/NDF: 140.0/116

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778110.7/33

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

Right Out: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

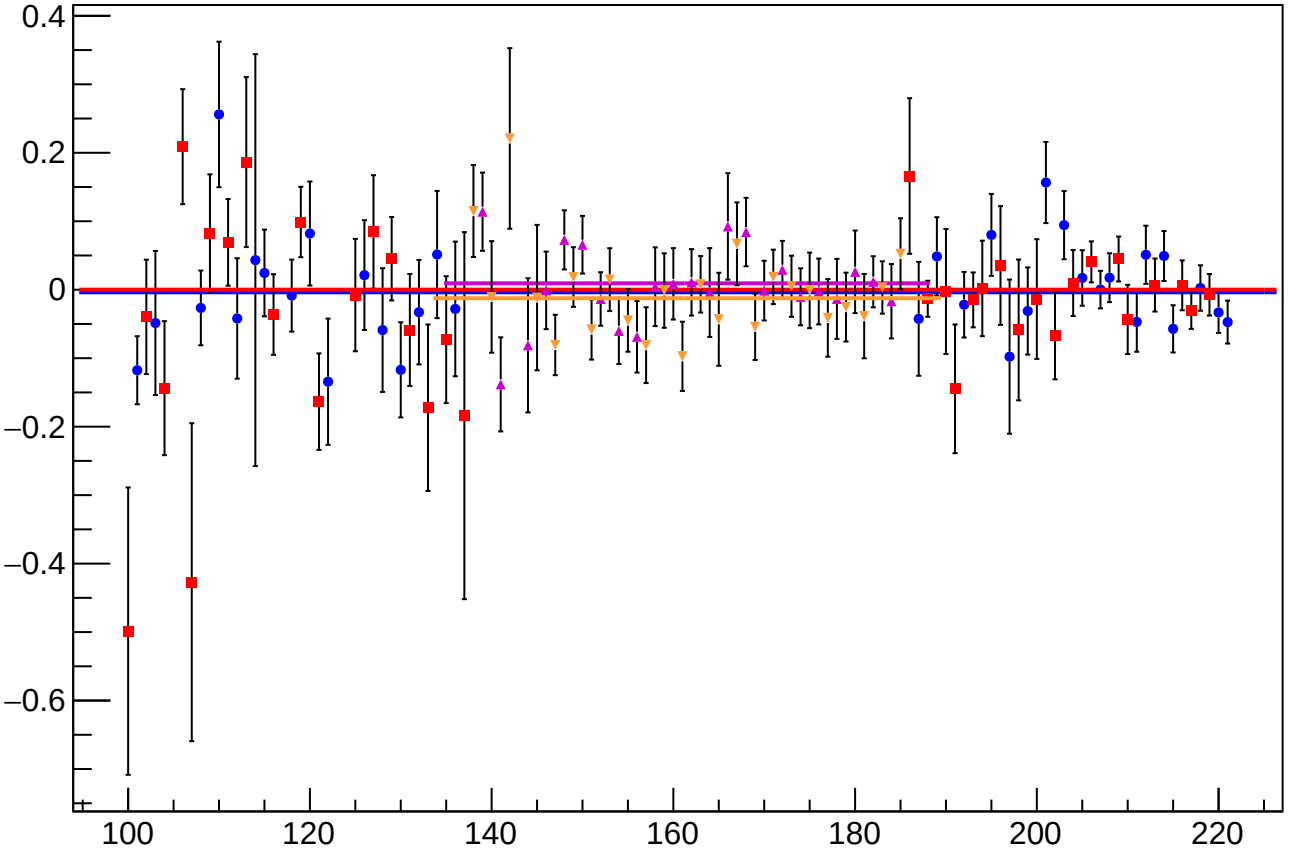
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059513.0/57

All: 37.701+/-0.003 χ^2/NDF: 13480580.9/116

- sign 37.590+/-0.005 χ^2/NDF: 7420015.8/58

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

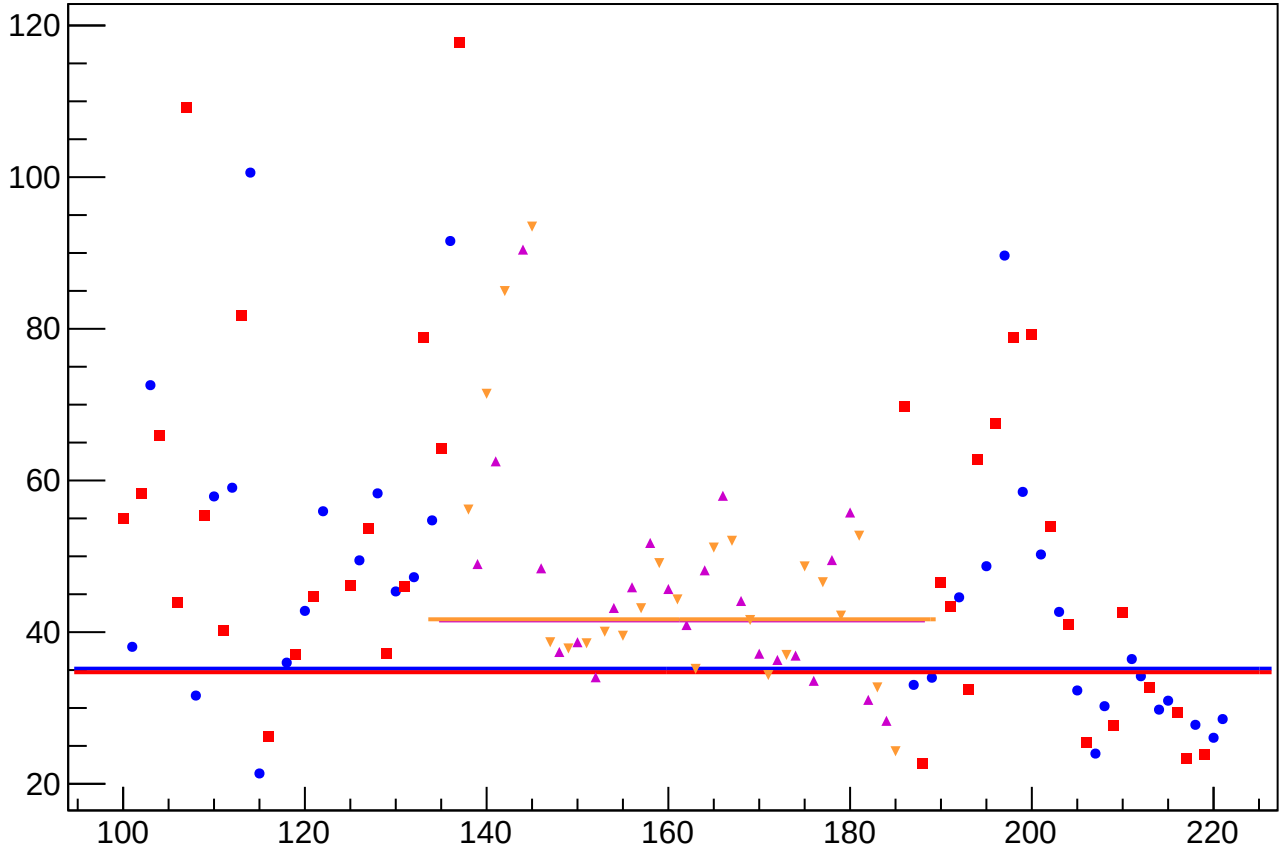
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: -0.002+/-0.005 χ^2/NDF: 140.0/116

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778110.7/33

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

Right Out: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

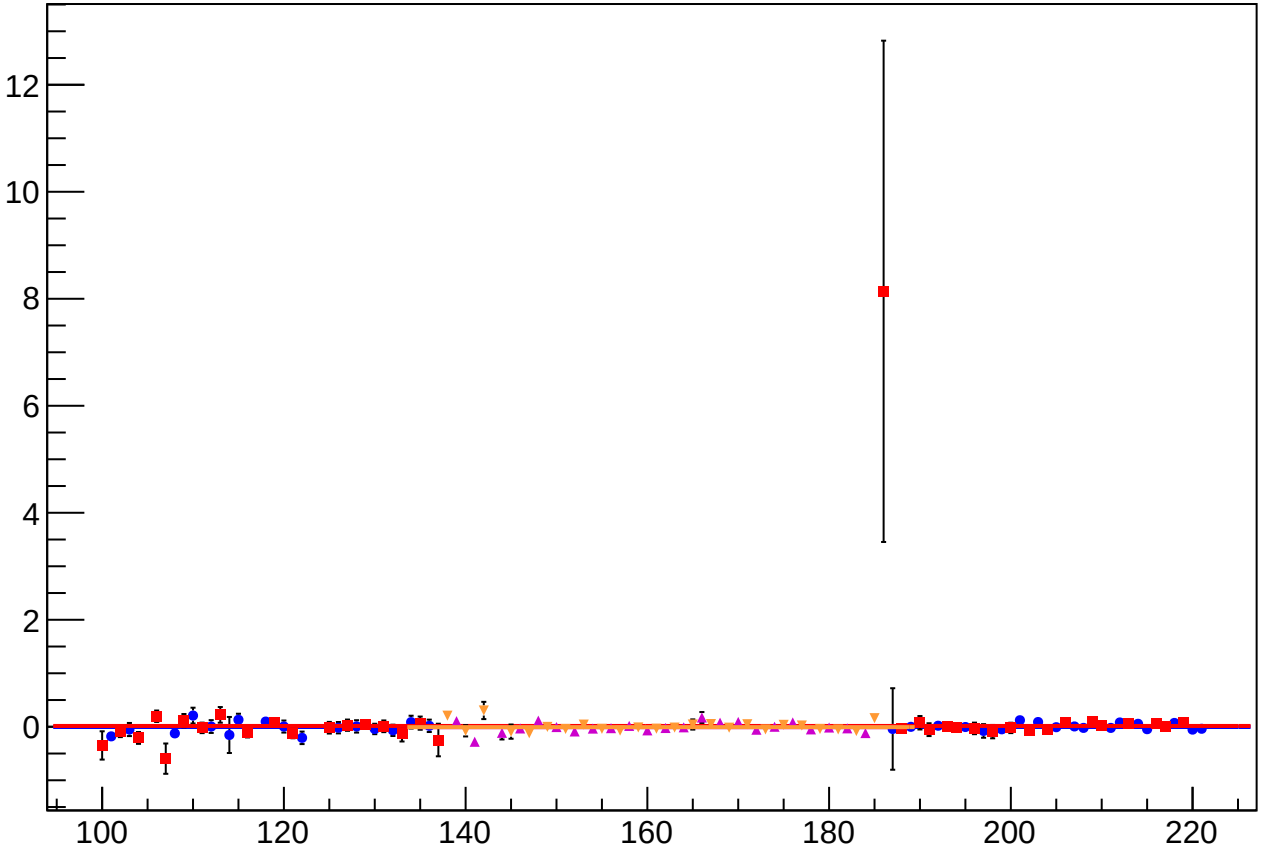
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059513.0/57

All: 37.701+/-0.003 χ^2/NDF: 13480580.9/116

- sign 37.590+/-0.005 χ^2/NDF: 7420015.8/58

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.013 χ^2/NDF: 31.4/33

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

Right Out: 0.015+/-0.014 χ^2/NDF: 39.3/35

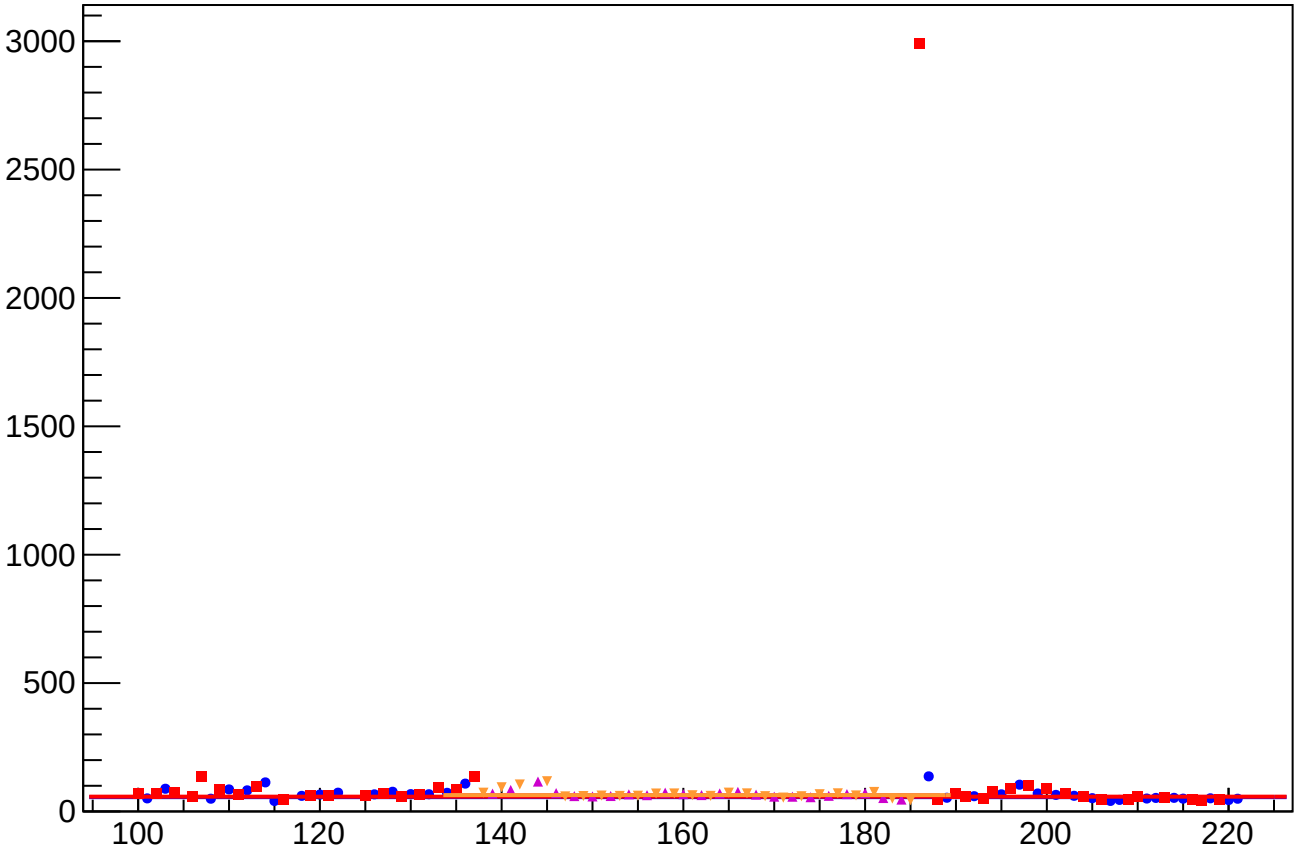
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.005+/-0.010 χ^2/NDF: 55.1/57

All: -0.000+/-0.007 χ^2/NDF: 124.4/116

- sign 0.005+/-0.010 χ^2/NDF: 68.7/58

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 55.732+/-0.009 χ^2/NDF: 2084574.2/33

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

Right Out: 57.624+/-0.010 χ^2/NDF: 3173784.3/35

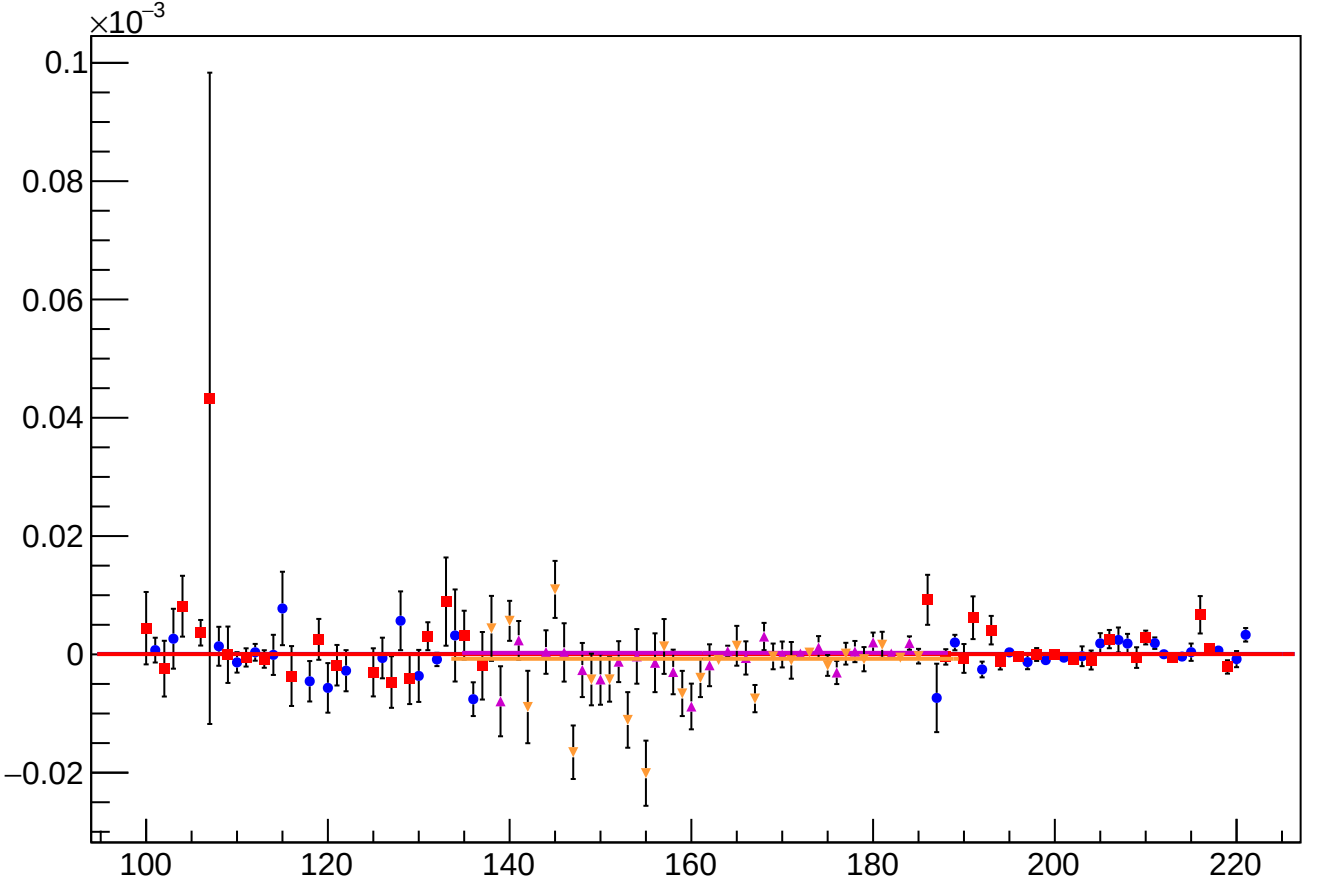
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 59.014+/-0.007 χ^2/NDF: 3486432.0/57

All: 59.688+/-0.005 χ^2/NDF: 7712003.7/116

- sign 60.415+/-0.007 χ^2/NDF: 4206055.4/58

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 50.8/33

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

Right Out: 0.000+/-0.000 χ^2/NDF: 55.3/35

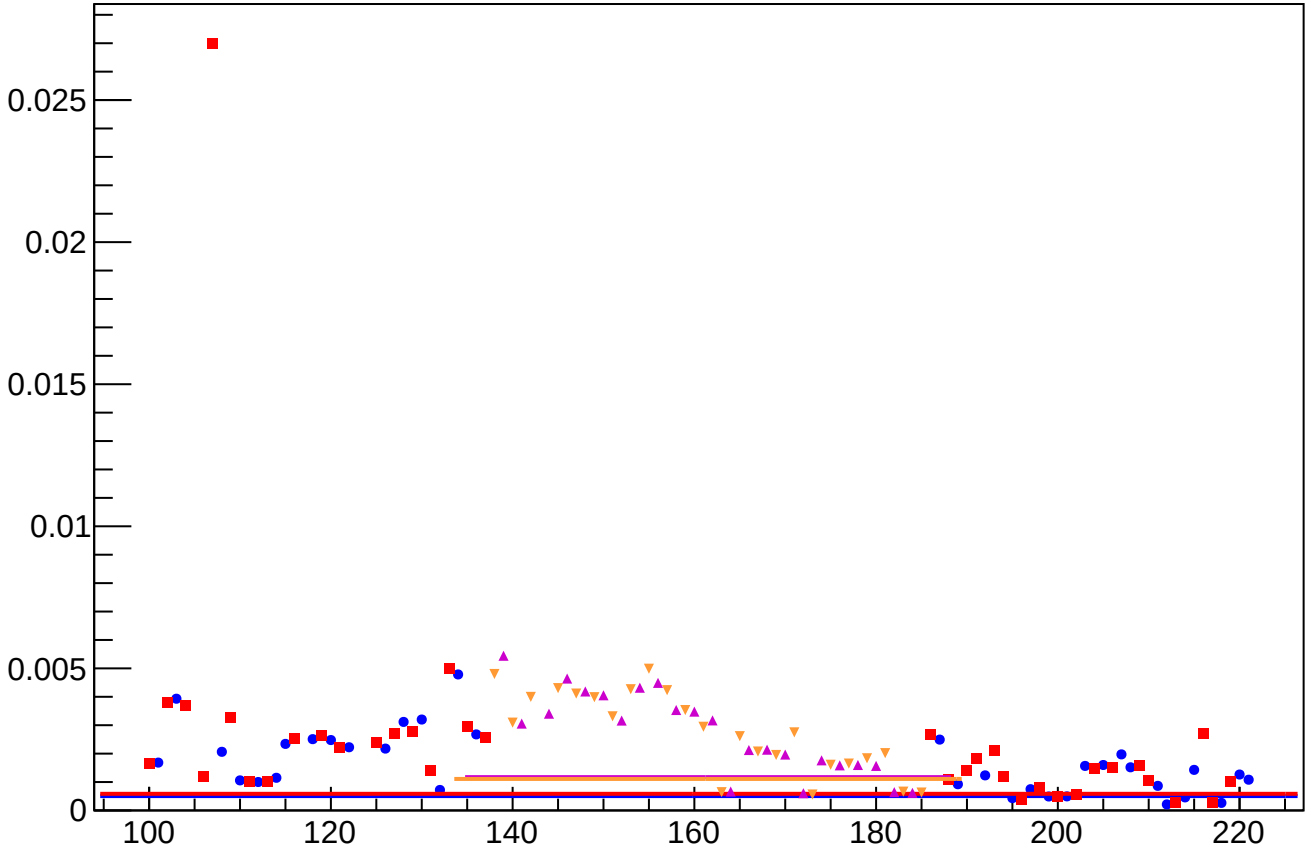
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 115.6/57

All: 0.000+/-0.000 χ^2/NDF: 190.5/116

- sign 0.000+/-0.000 χ^2/NDF: 74.4/58

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 17849911.6/33

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

Right Out: 0.001+/-0.000 χ^2/NDF: 17136999.5/35

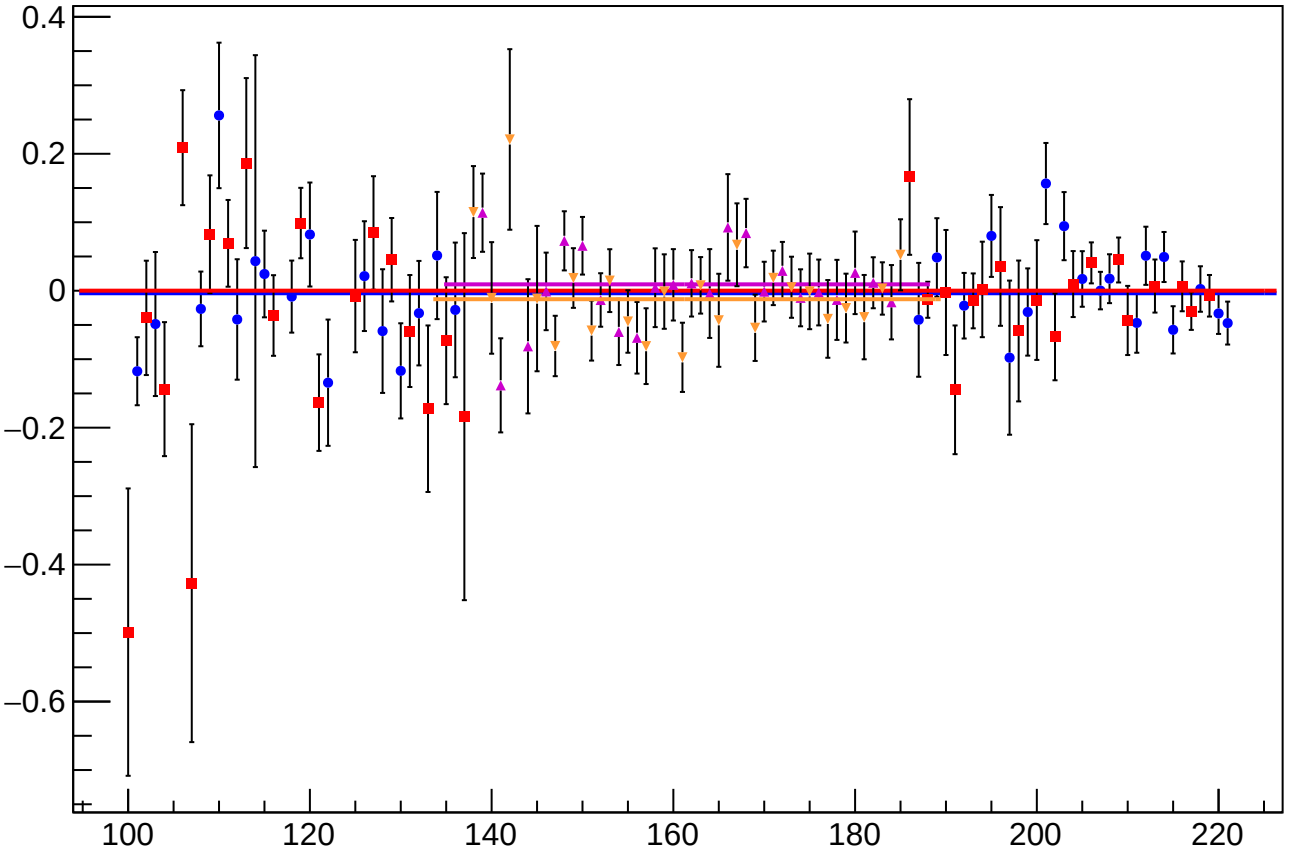
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 38231735.2/57

All: 0.001+/-0.000 χ^2/NDF: 74338161.9/116

- sign 0.001+/-0.000 χ^2/NDF: 35661988.6/58

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

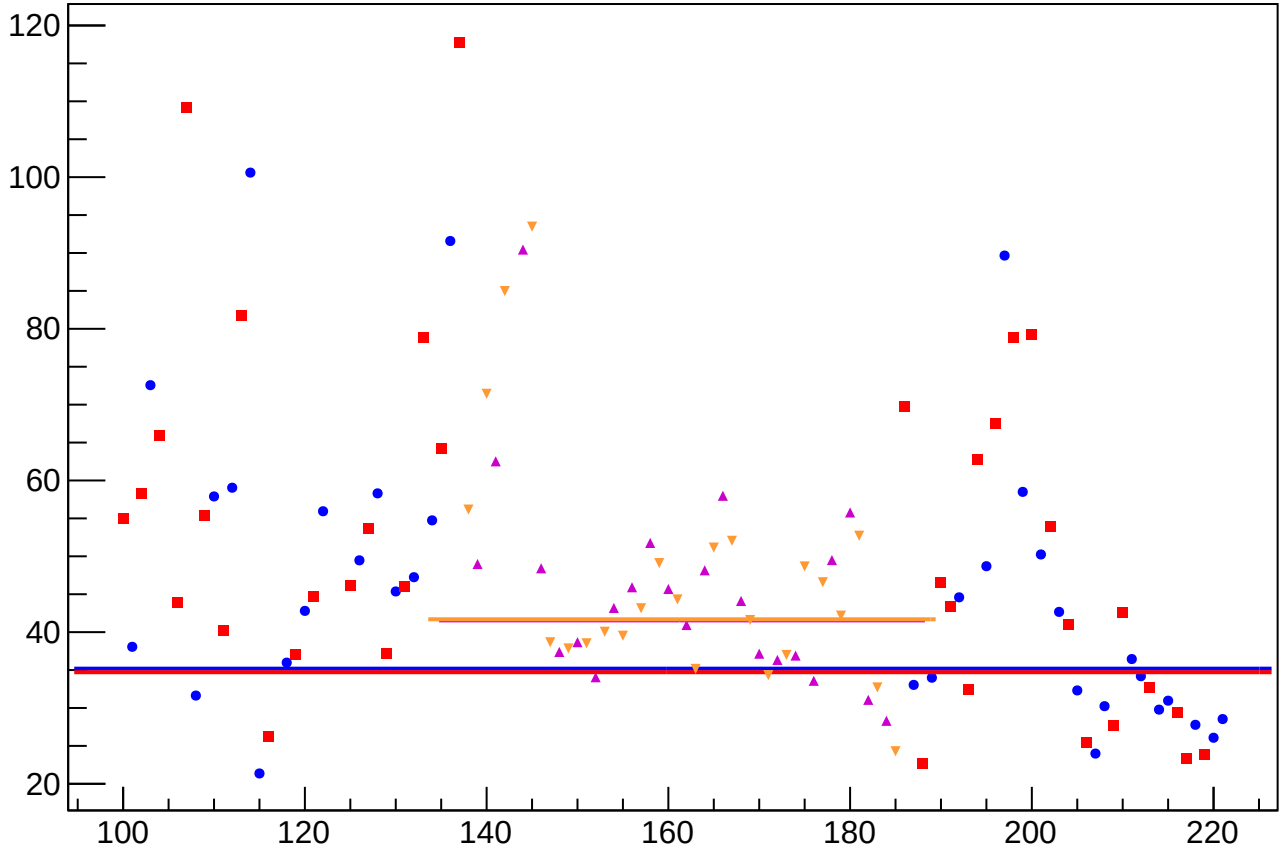
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: -0.002+/-0.005 χ^2/NDF: 140.0/116

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778081.2/33

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

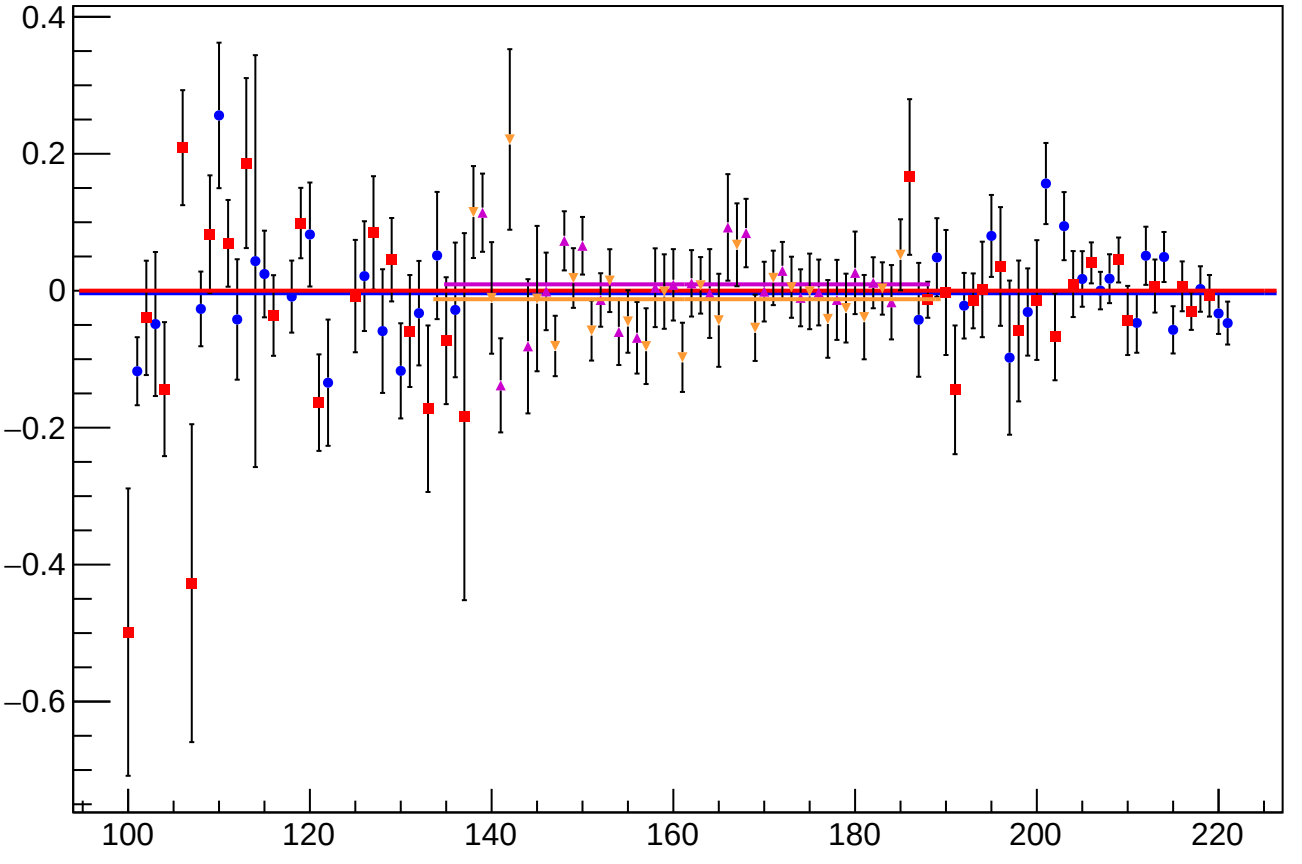
Right Out: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059484.1/57

All: 37.701+/-0.003 χ^2/NDF: 13480362.7/116

- sign 37.590+/-0.005 χ^2/NDF: 7419828.5/58



Right In: -0.004+/-0.009 χ^2/NDF: 44.9/33

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

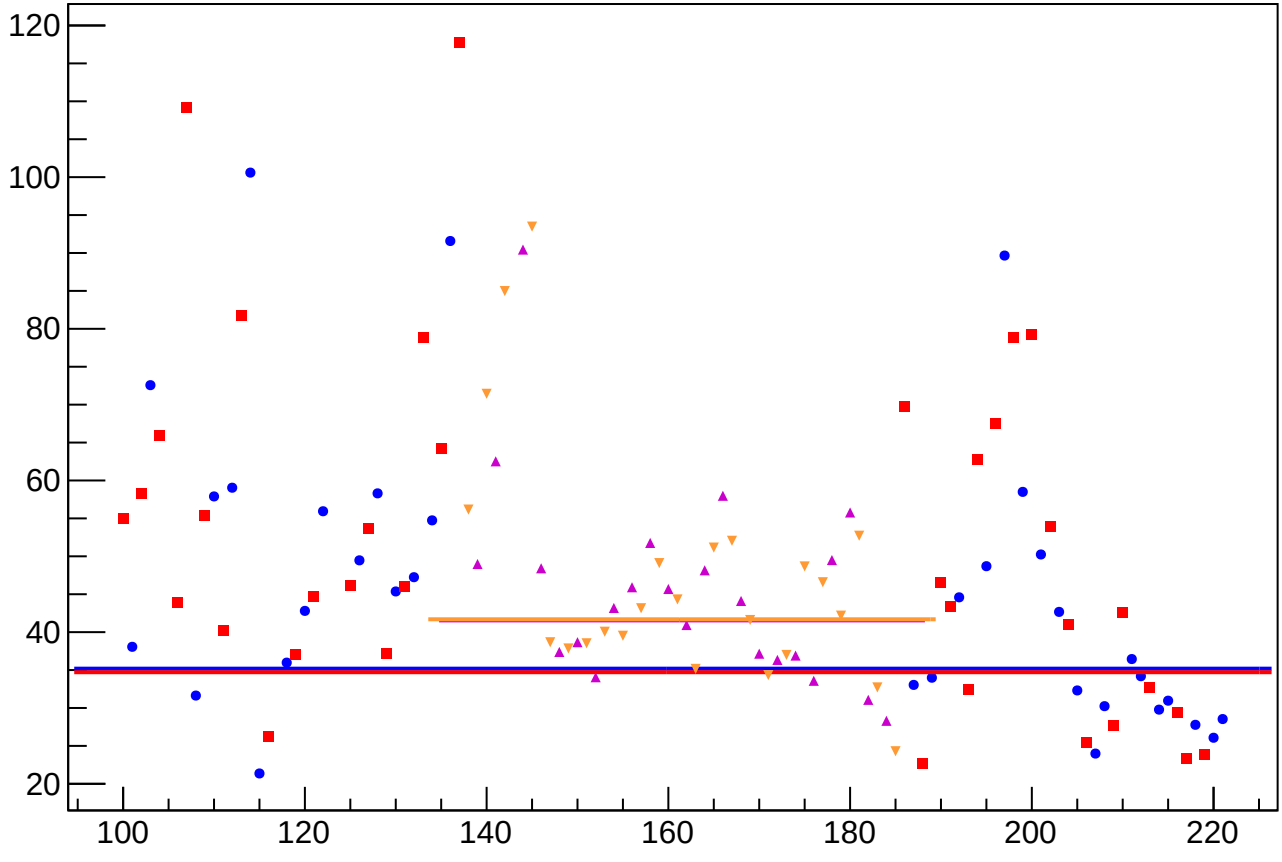
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 67.3/57

All: -0.002+/-0.005 χ^2/NDF: 140.0/116

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.184+/-0.006 χ^2/NDF: 3778081.2/33

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

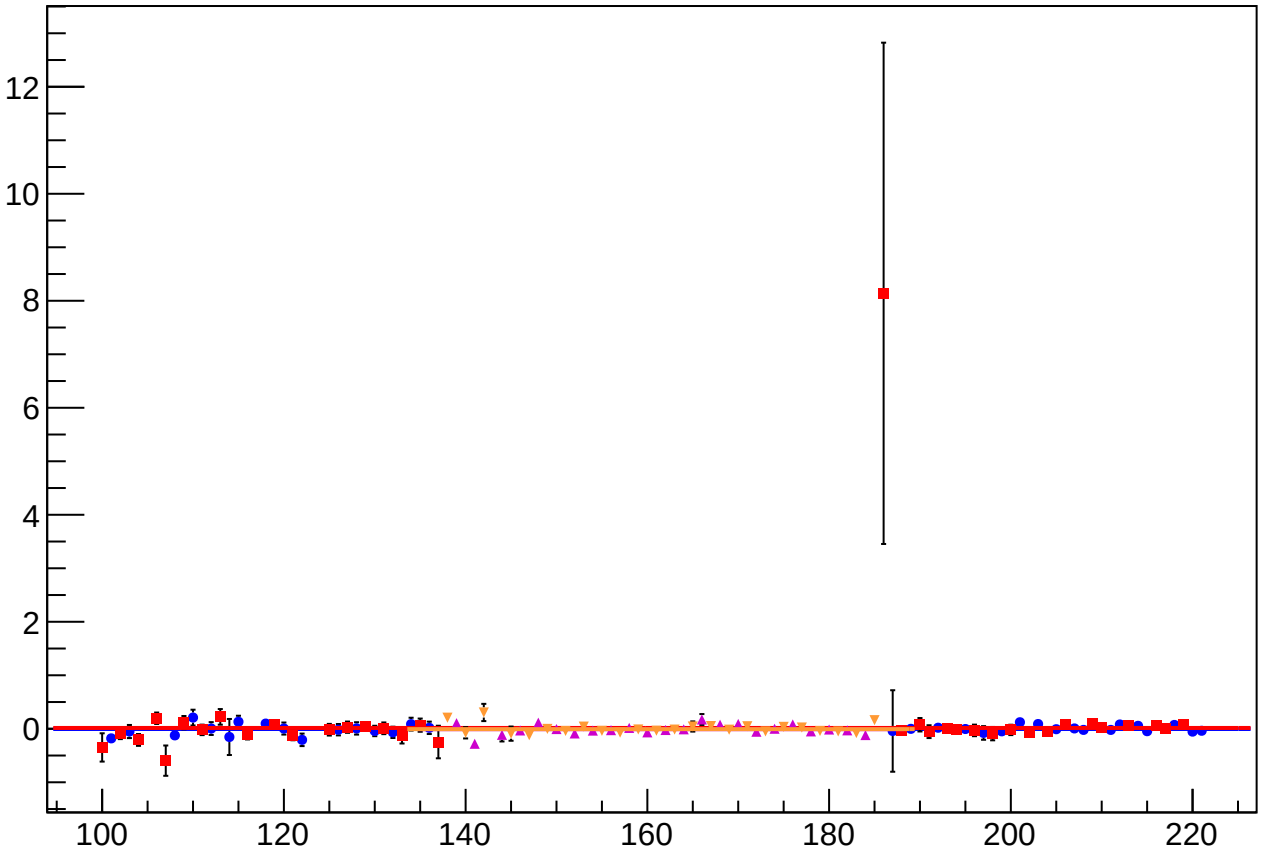
Right Out: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 37.808+/-0.005 χ^2/NDF: 6059484.1/57

All: 37.701+/-0.003 χ^2/NDF: 13480362.7/116

- sign 37.590+/-0.005 χ^2/NDF: 7419828.5/58



Right In: -0.004+/-0.013 χ^2/NDF: 31.4/33

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

Right Out: 0.015+/-0.014 χ^2/NDF: 39.3/35

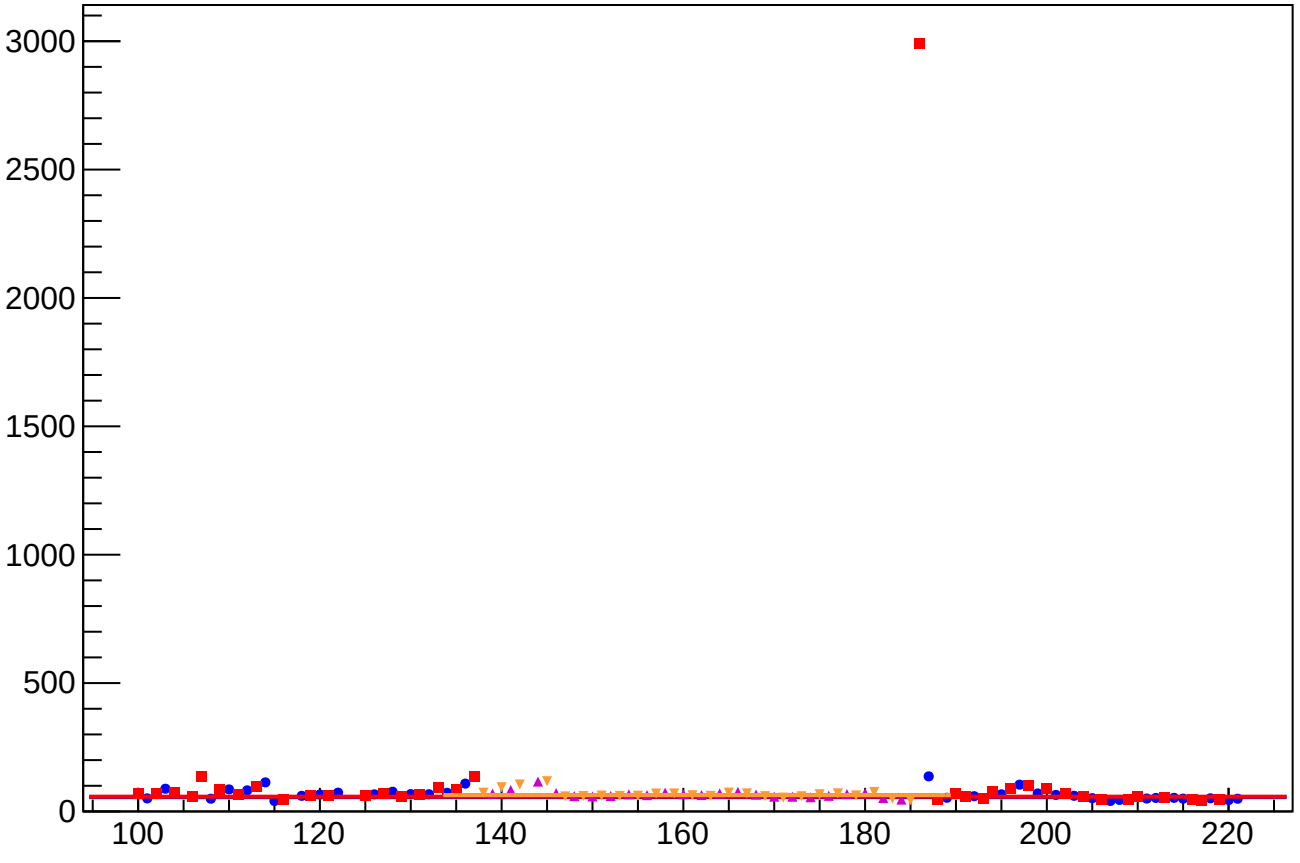
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.005+/-0.010 χ^2/NDF: 55.1/57

All: -0.000+/-0.007 χ^2/NDF: 124.4/116

- sign 0.005+/-0.010 χ^2/NDF: 68.7/58

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 55.732+/-0.009 χ^2/NDF: 2084564.9/33

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

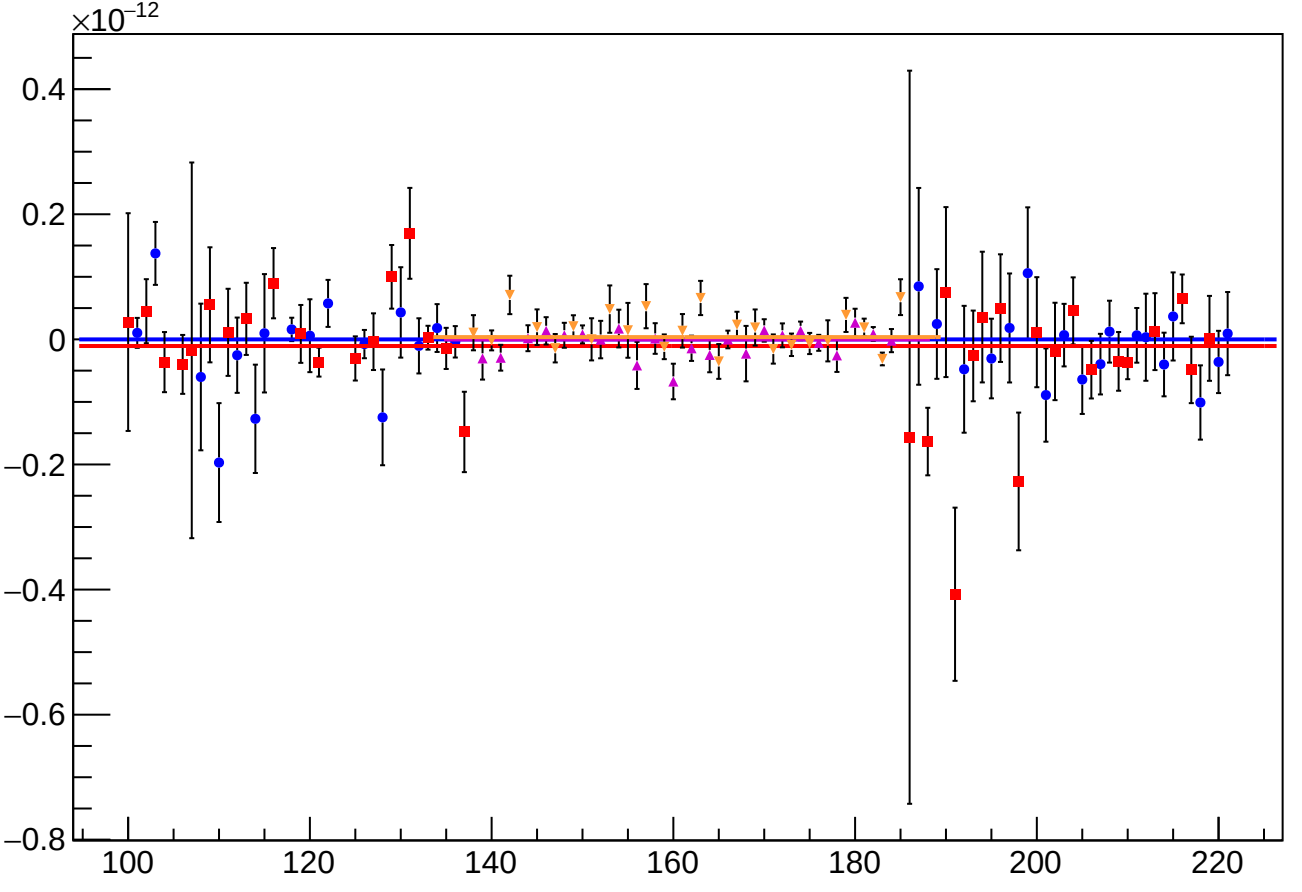
Right Out: 57.624+/-0.010 χ^2/NDF: 3173762.4/35

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 59.014+/-0.007 χ^2/NDF: 3486427.4/57

All: 59.688+/-0.005 χ^2/NDF: 7711993.8/116

- sign 60.415+/-0.007 χ^2/NDF: 4206050.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 52.9/35

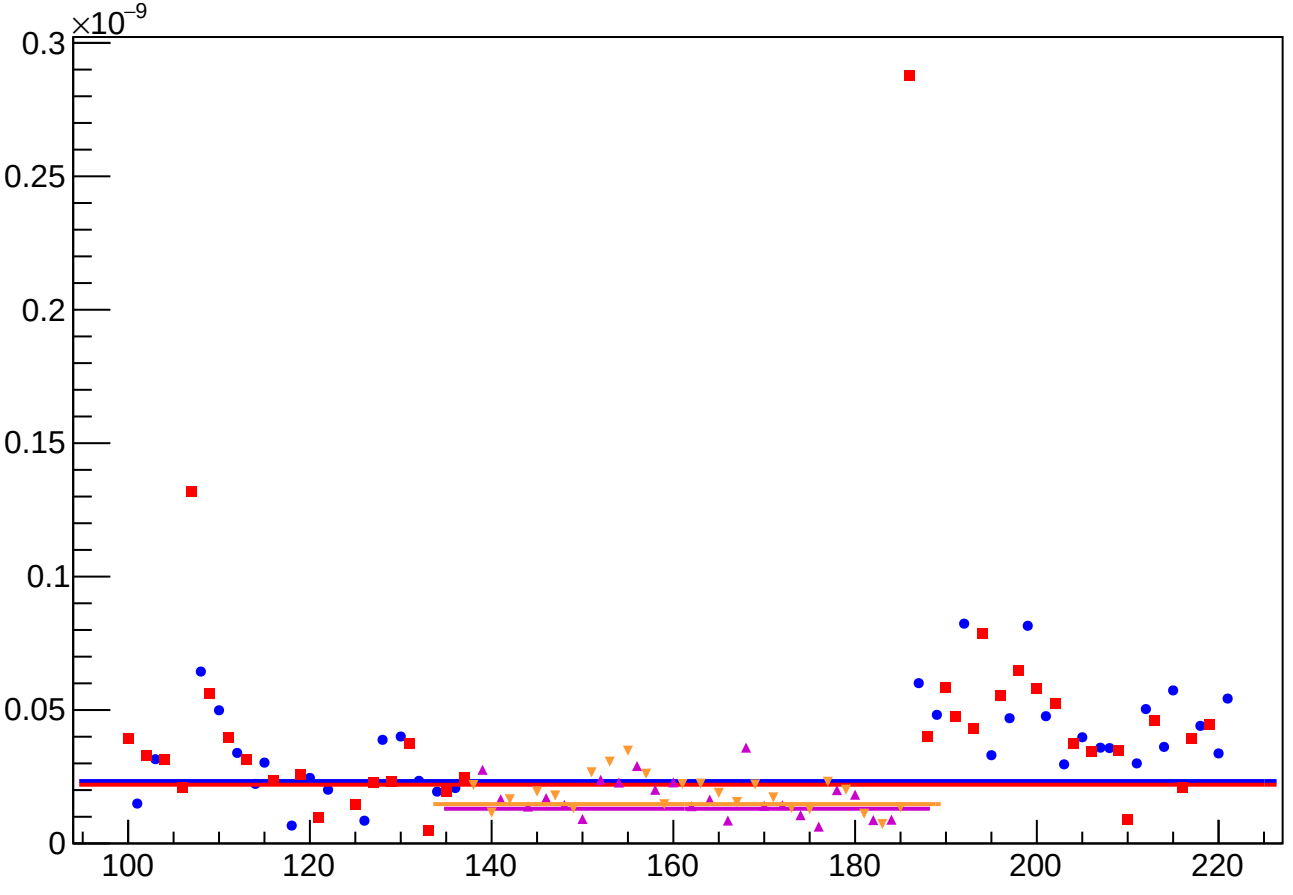
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/57

All: 0.000+/-0.000 χ^2/NDF: 143.9/116

- sign -0.000+/-0.000 χ^2/NDF: 71.4/58

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7607017.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

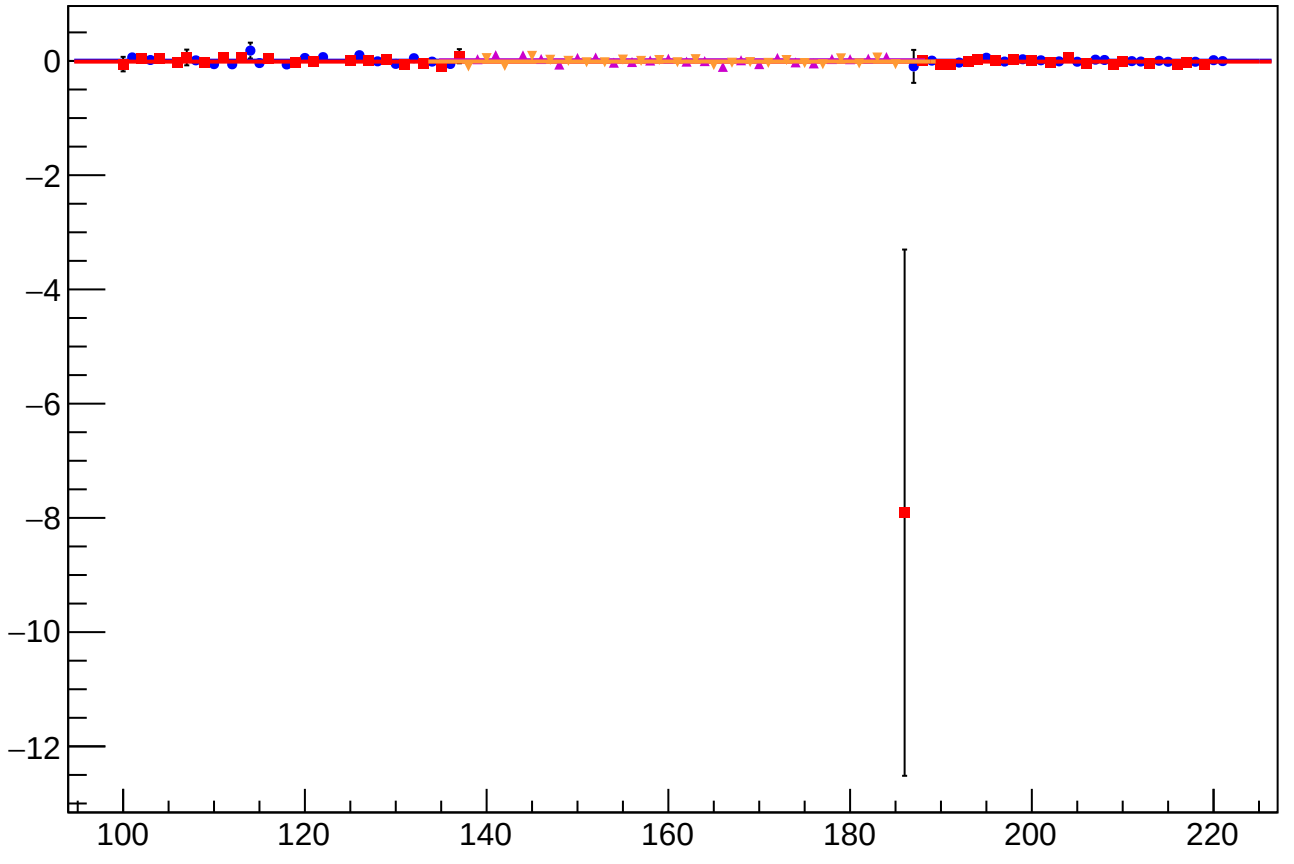
Right Out: 0.000+/-0.000 χ^2/NDF: 7848785.8/35

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13008970.8/57

All: 0.000+/-0.000 χ^2/NDF: 27102234.6/116

- sign 0.000+/-0.000 χ^2/NDF: 13815089.9/58



Right In: 0.005+/-0.007 χ^2/NDF: 20.9/33

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.012+/-0.007 χ^2/NDF: 36.3/35

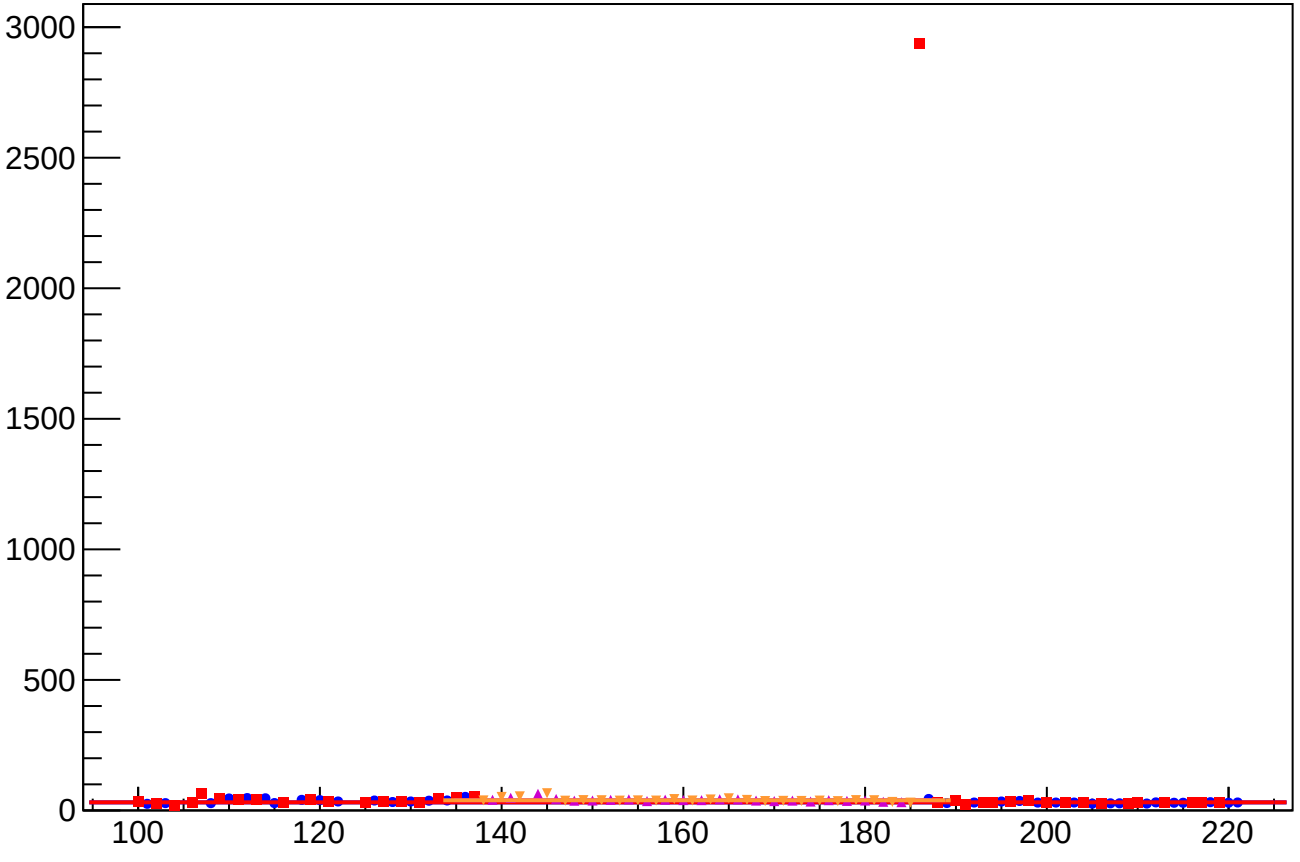
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.9/57

All: -0.002+/-0.004 χ^2/NDF: 105.2/116

- sign -0.003+/-0.006 χ^2/NDF: 63.2/58

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.869+/-0.005 χ^2/NDF: 975721.5/33

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

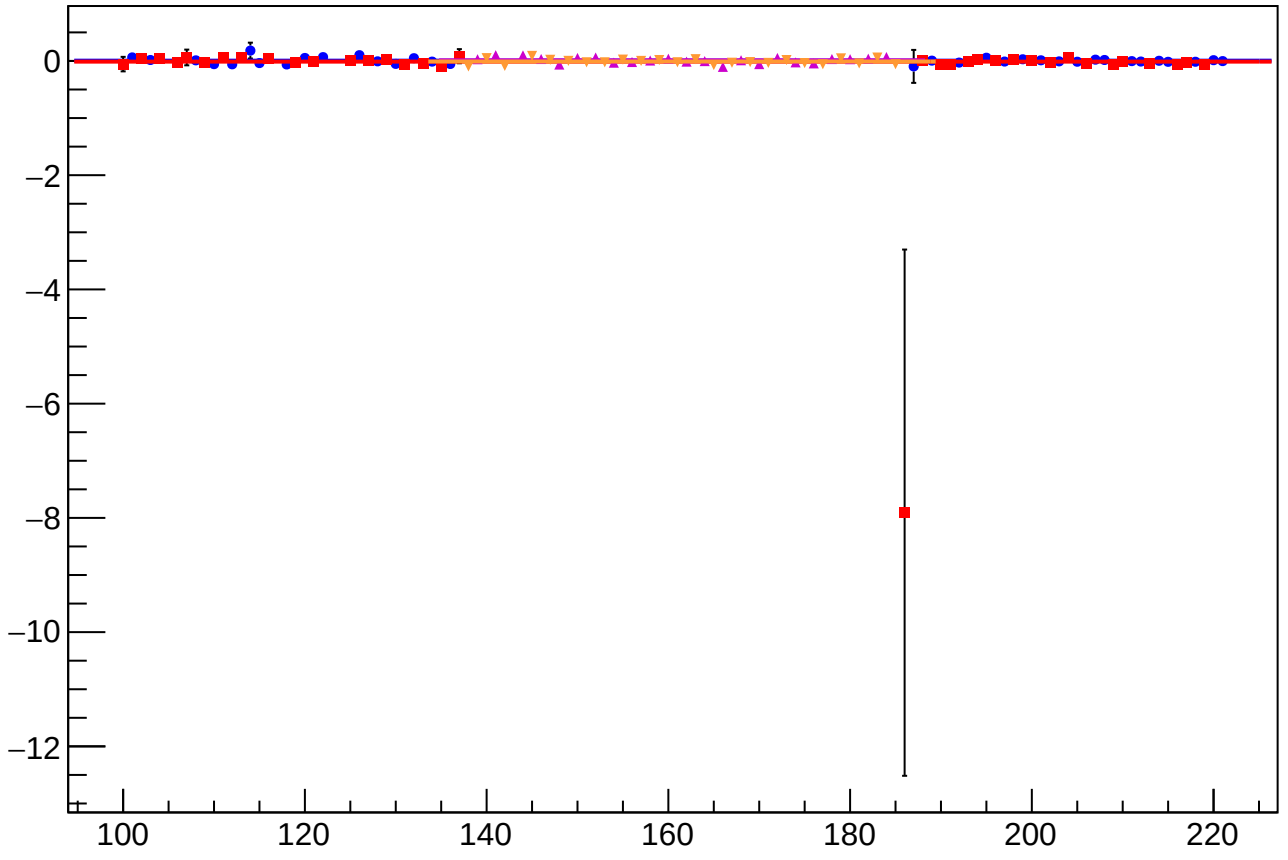
Right Out: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 33.728+/-0.004 χ^2/NDF: 2549090.3/57

All: 33.883+/-0.003 χ^2/NDF: 5989553.0/116

- sign 34.046+/-0.004 χ^2/NDF: 3437351.3/58



Right In: 0.005+/-0.007 χ^2/NDF: 20.9/33

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.012+/-0.007 χ^2/NDF: 36.3/35

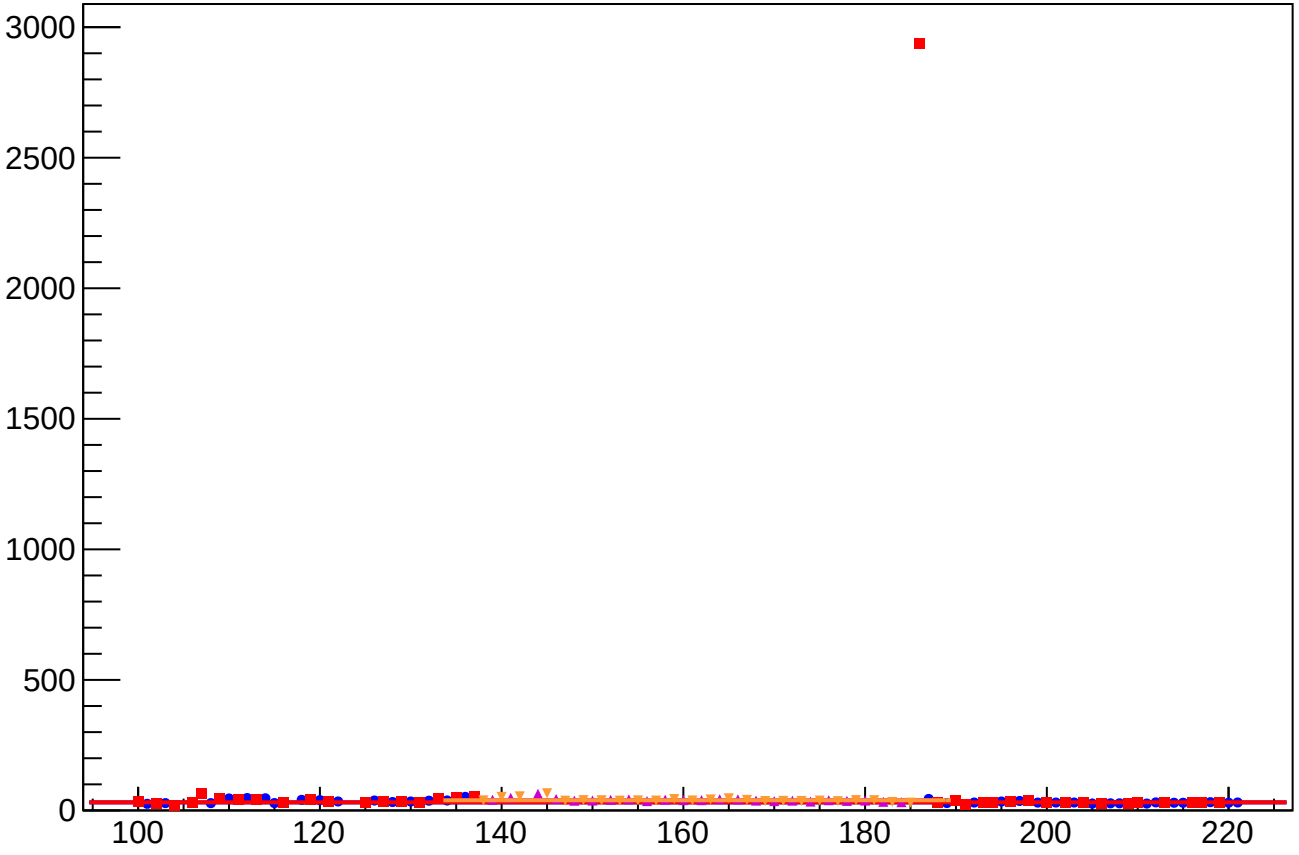
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.9/57

All: -0.002+/-0.004 χ^2/NDF: 105.2/116

- sign -0.003+/-0.006 χ^2/NDF: 63.2/58

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.869+/-0.005 χ^2/NDF: 975721.5/33

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

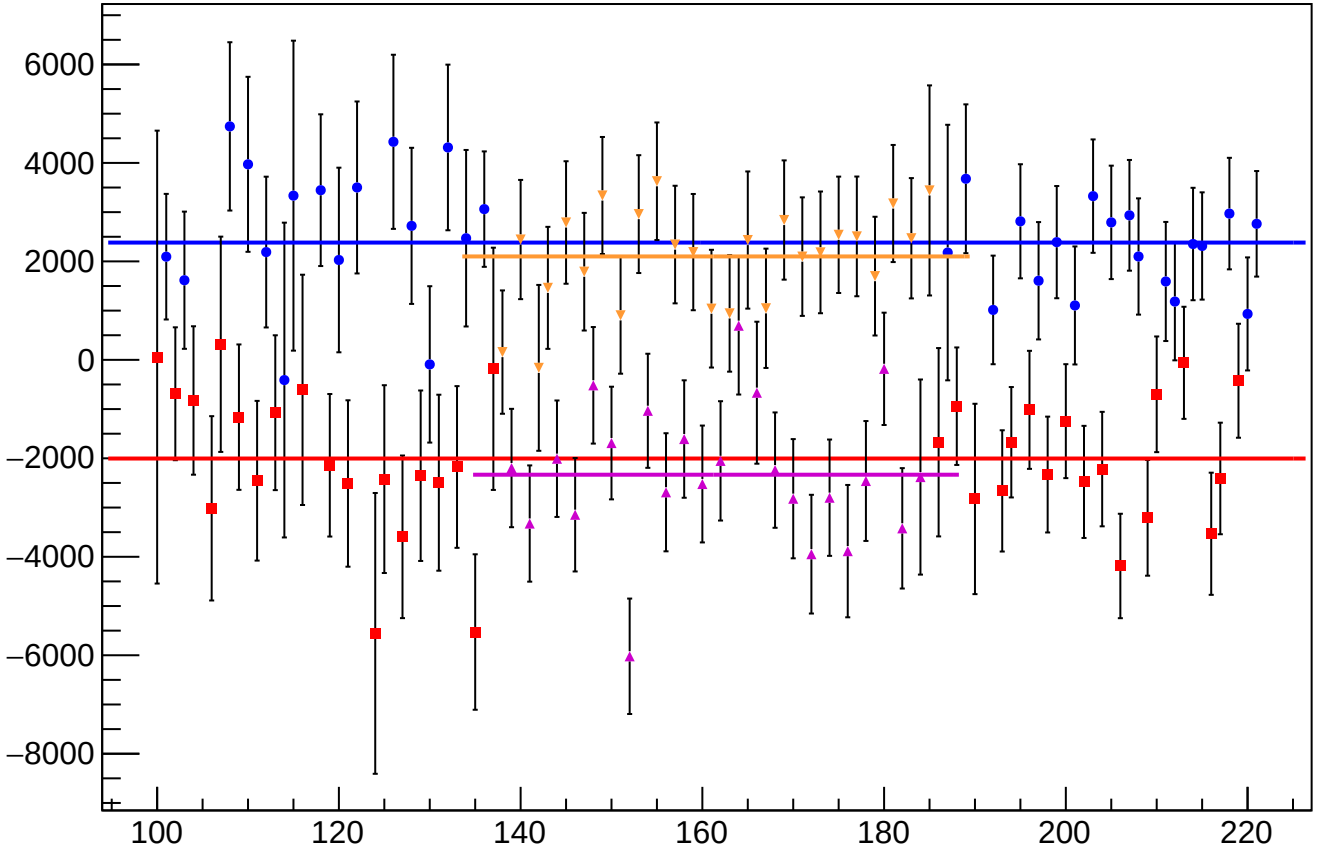
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 33.728+/-0.004 χ^2/NDF: 2549090.3/57

All: 33.883+/-0.003 χ^2/NDF: 5989553.0/116

- sign 34.046+/-0.004 χ^2/NDF: 3437351.3/58

reg_asym_usr_mean vs Slug



Right In: 2382.033+/-231.272 χ^2/NDF: 18.8/33

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2004.139+/-237.075 χ^2/NDF: 28.3/35

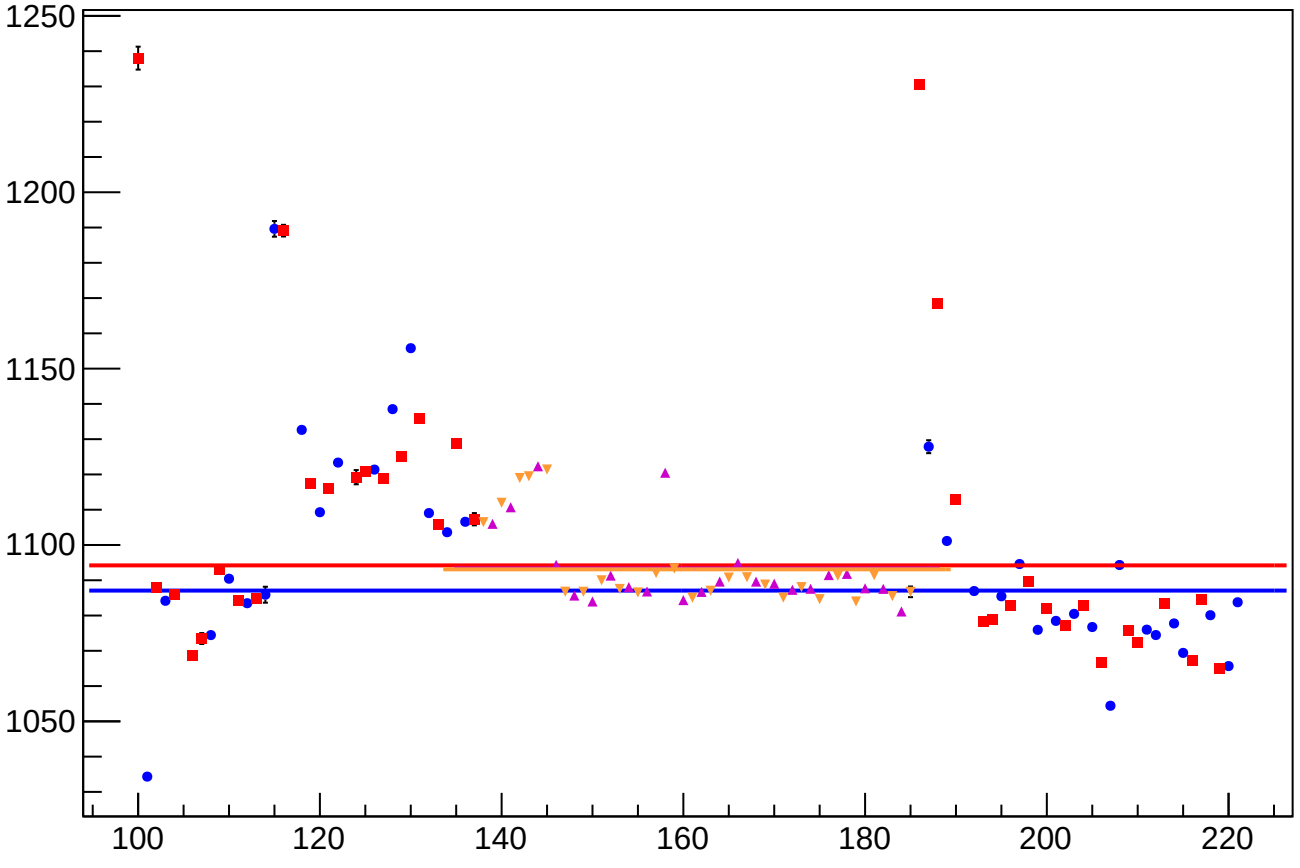
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.206+/-169.236 χ^2/NDF: 33.3/58

All: 104.999+/-121.222 χ^2/NDF: 422.3/117

- sign -2156.402+/-173.718 χ^2/NDF: 58.7/58

reg_asym_usr_rms vs Slug



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

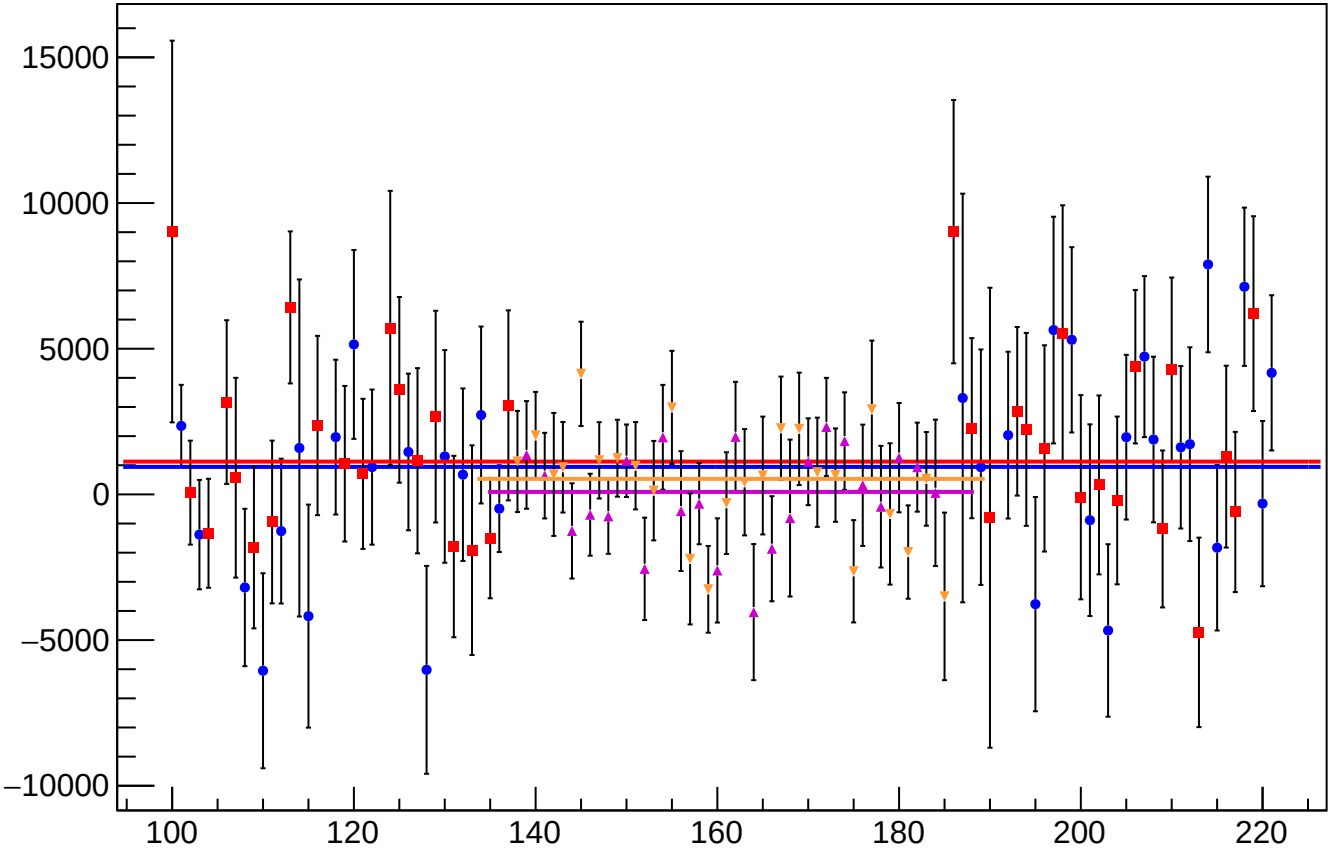
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1089.874+/-0.120 χ^2/NDF: 25727.5/58

All: 1091.791+/-0.086 χ^2/NDF: 65675.7/117

- sign 1093.810+/-0.123 χ^2/NDF: 39421.4/58

asym_usr_reg_correction_mean vs Slug



Right In: 943.817+/-471.387 χ^2/NDF: 43.3/33

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1125.201+/-494.723 χ^2/NDF: 29.7/35

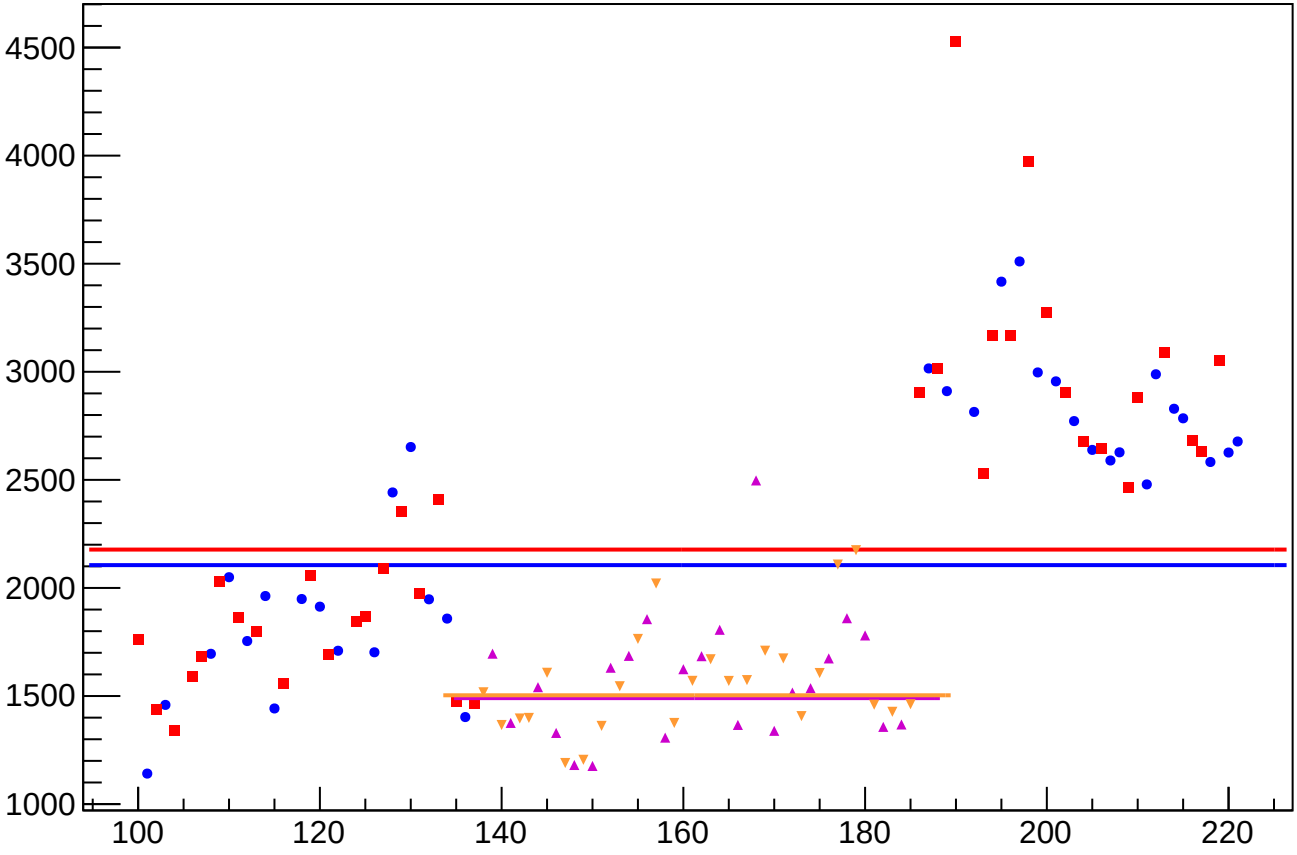
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 677.487+/-279.566 χ^2/NDF: 70.2/58

All: 560.936+/-200.549 χ^2/NDF: 121.3/117

- sign 437.374+/-287.853 χ^2/NDF: 50.7/58

asym_usr_reg_correction_rms vs Slug



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

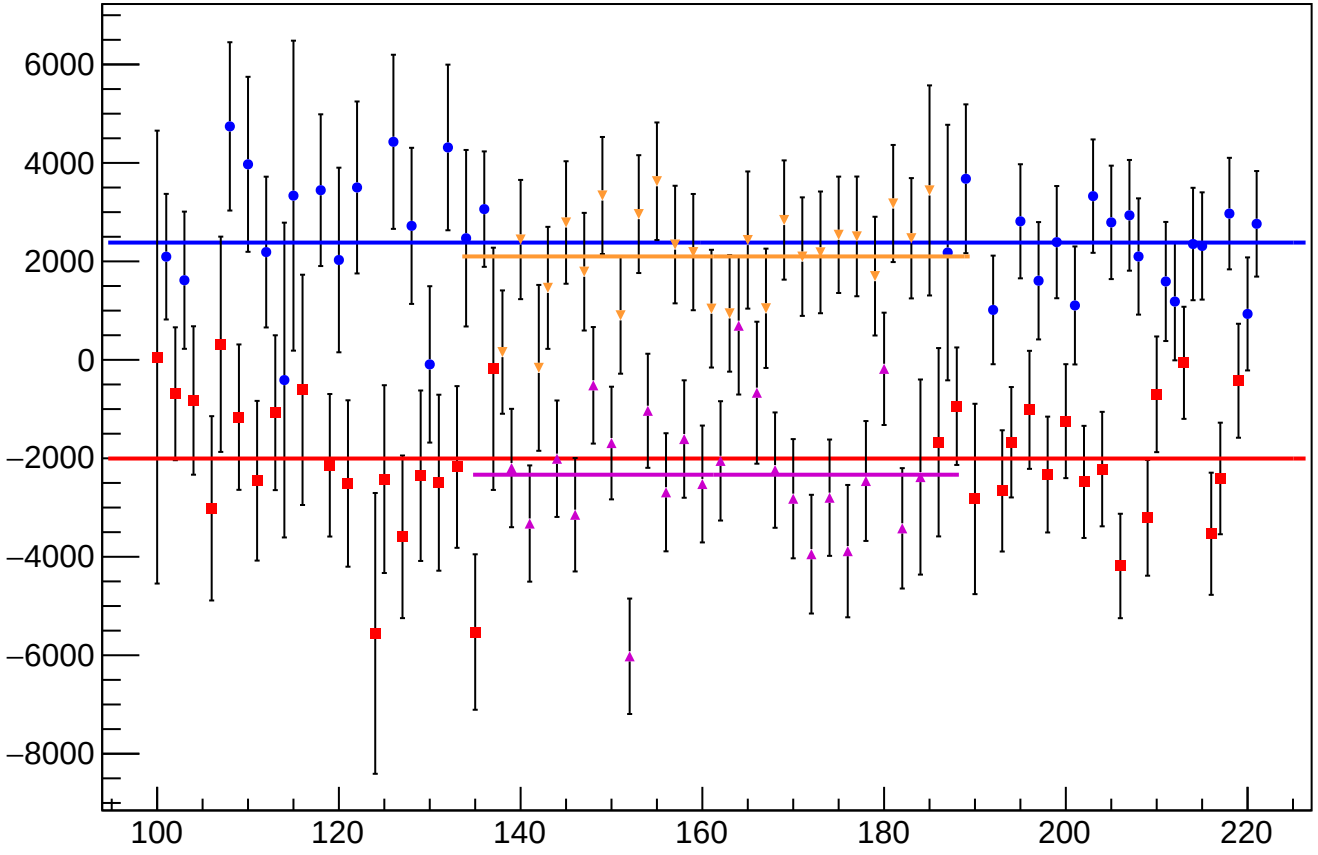
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1715.232+/-0.198 χ^2/NDF: 6837859.9/58

All: 1718.986+/-0.142 χ^2/NDF: 13880554.3/1

- sign 1722.965+/-0.204 χ^2/NDF: 7041951.7/58

cor_asym_usr_mean vs Slug



Right In: 2382.033+/-231.272 χ^2/NDF: 18.8/33

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2004.139+/-237.075 χ^2/NDF: 28.3/35

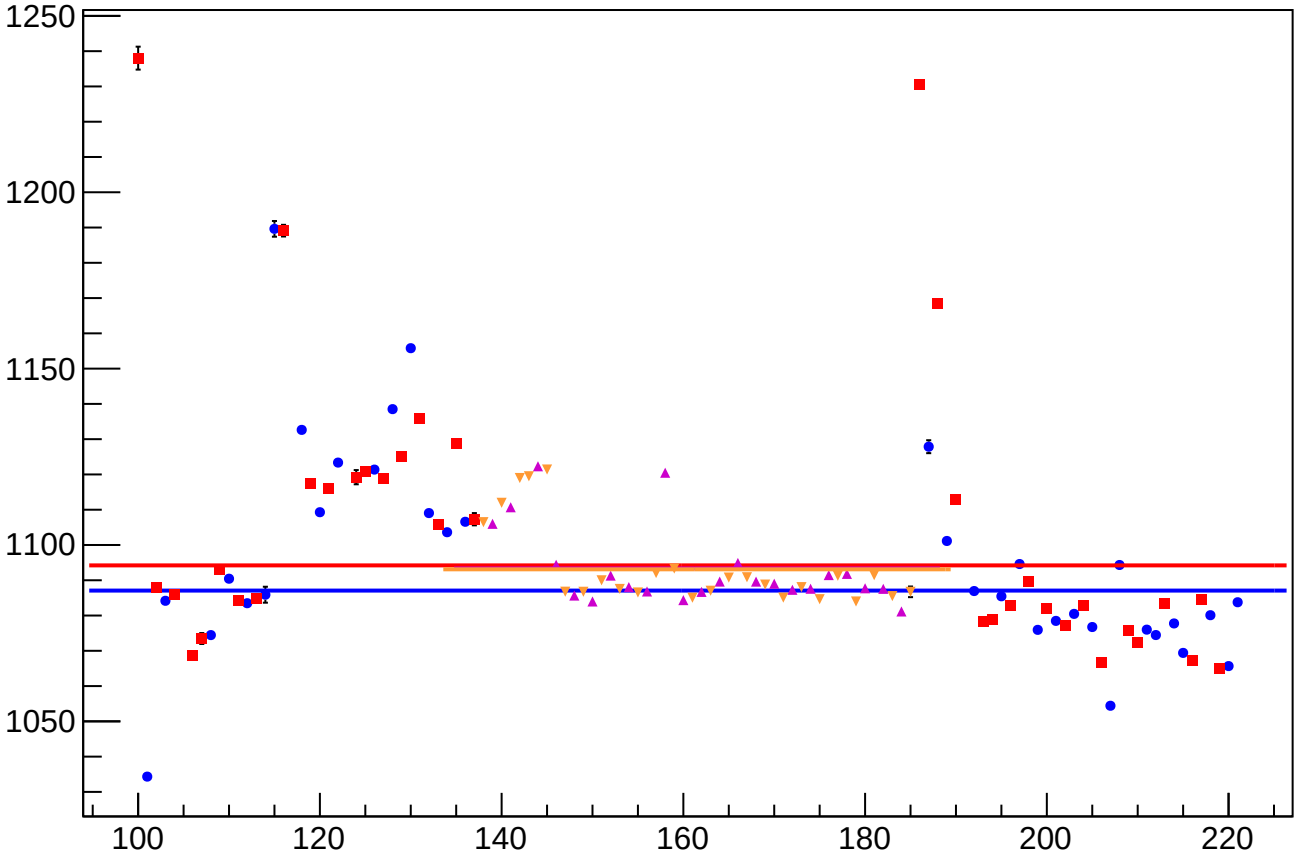
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.206+/-169.236 χ^2/NDF: 33.3/58

All: 104.999+/-121.222 χ^2/NDF: 422.3/117

- sign -2156.402+/-173.718 χ^2/NDF: 58.7/58

cor_asym_usr_rms vs Slug



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

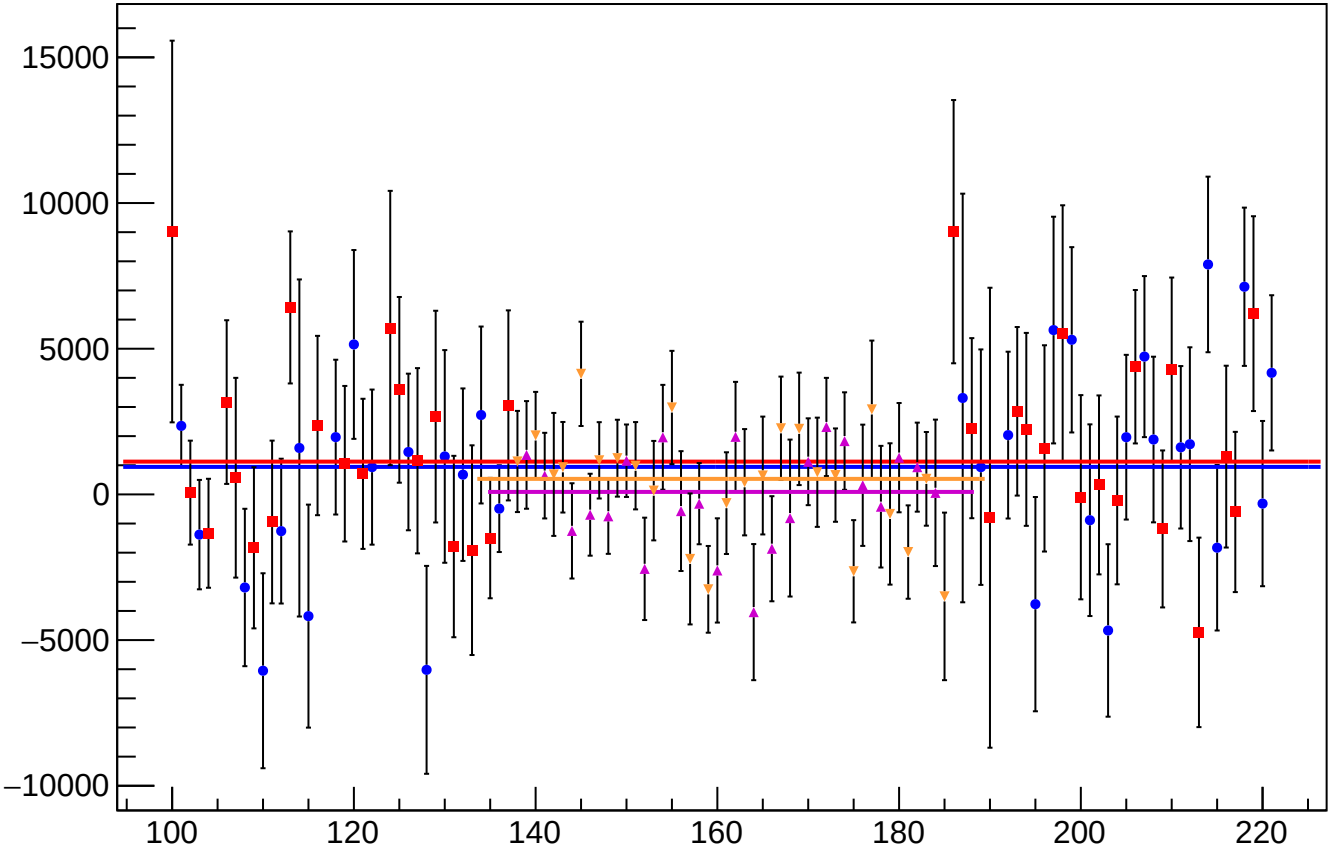
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1089.874+/-0.120 χ^2/NDF: 25727.5/58

All: 1091.791+/-0.086 χ^2/NDF: 65675.7/117

- sign 1093.810+/-0.123 χ^2/NDF: 39421.4/58

asym_usr_cor_correction_mean vs Slug



Right In: 943.817+/-471.387 χ^2/NDF: 43.3/33

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1125.201+/-494.723 χ^2/NDF: 29.7/35

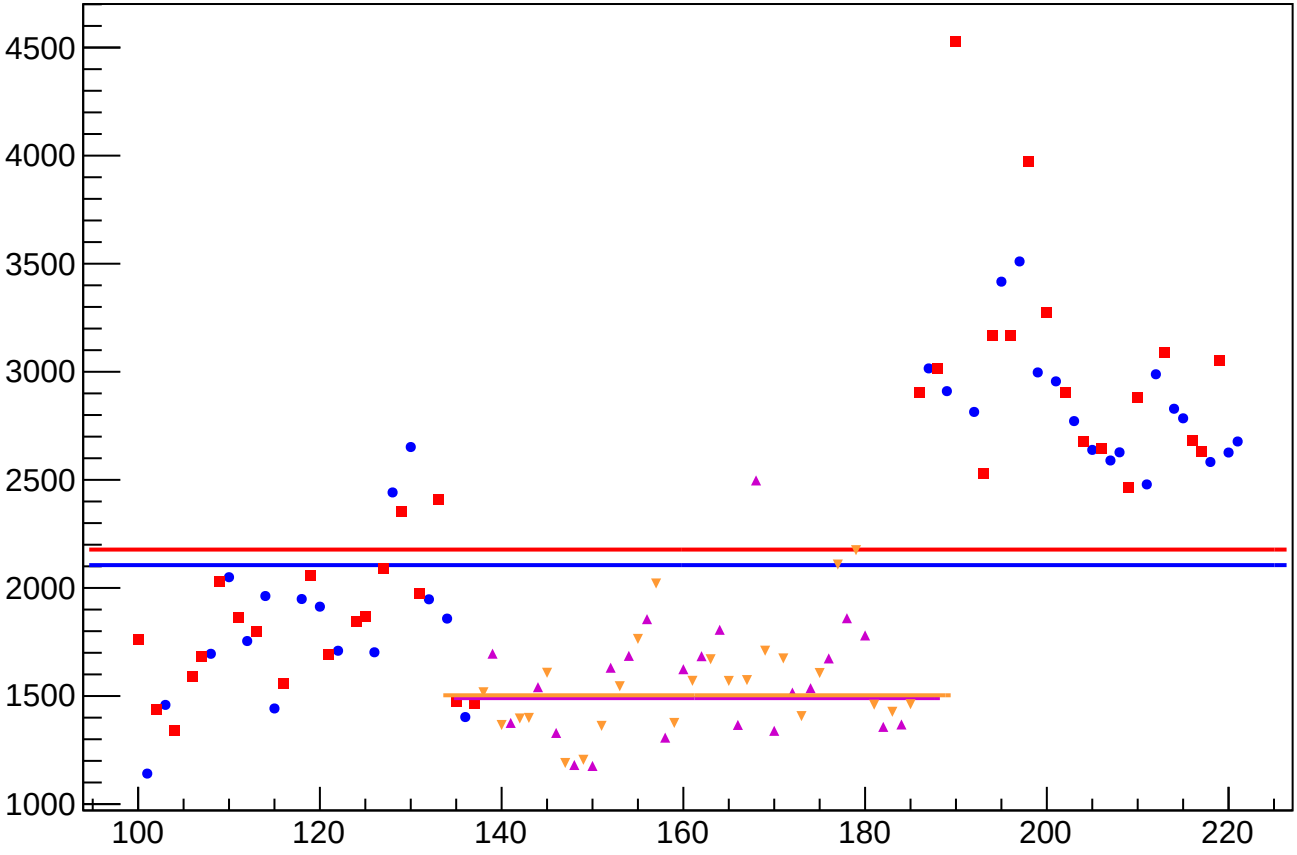
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 677.487+/-279.566 χ^2/NDF: 70.2/58

All: 560.936+/-200.549 χ^2/NDF: 121.3/117

- sign 437.374+/-287.853 χ^2/NDF: 50.7/58

asym_usr_cor_correction_rms vs Slug



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

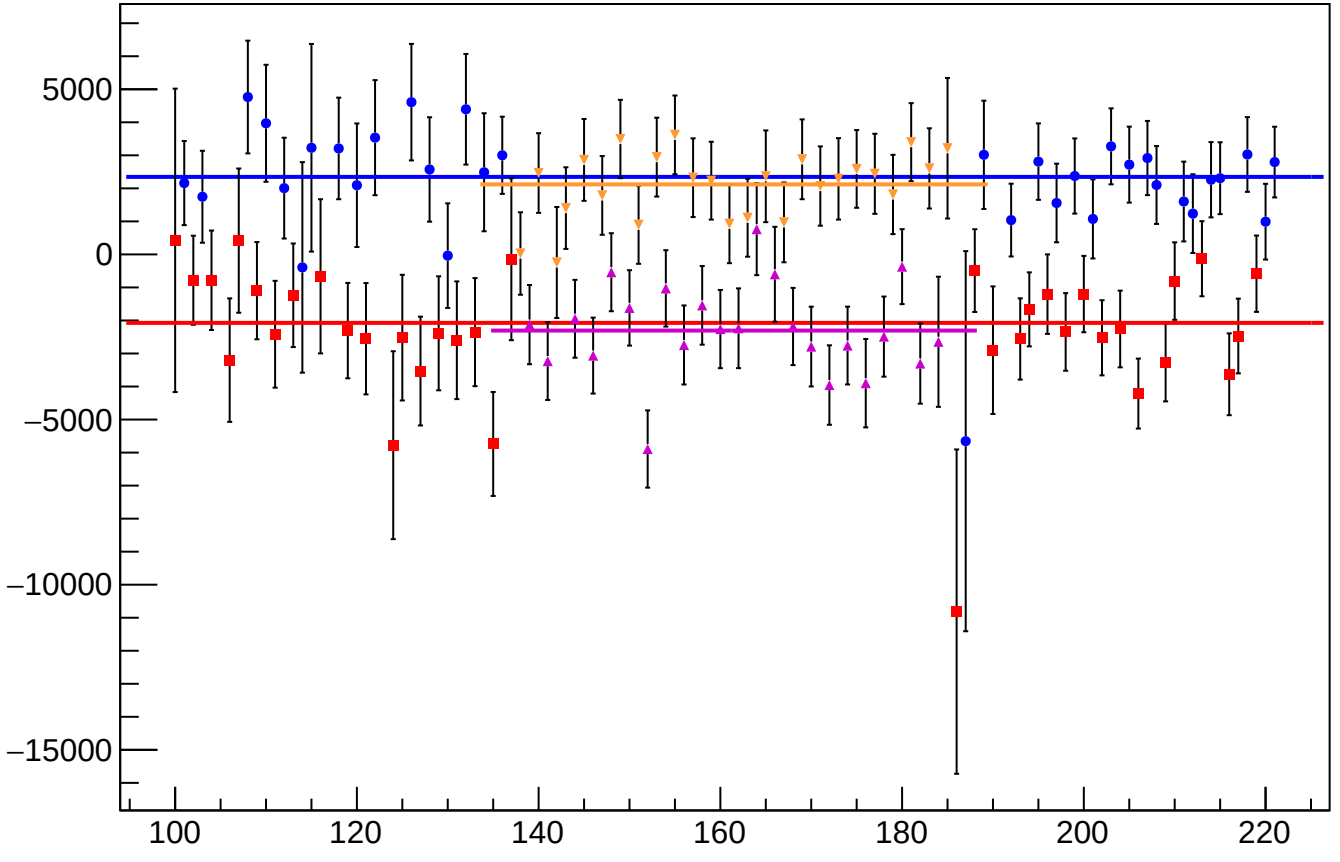
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1715.232+/-0.198 χ^2/NDF: 6837859.9/58

All: 1718.986+/-0.142 χ^2/NDF: 13880554.3/1

- sign 1722.965+/-0.204 χ^2/NDF: 7041951.7/58

overload_cor_asym_usr_mean vs Slug



Right In: 2347.206+/-232.041 χ^2/NDF: 20.0/33

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2072.523+/-238.752 χ^2/NDF: 32.7/35

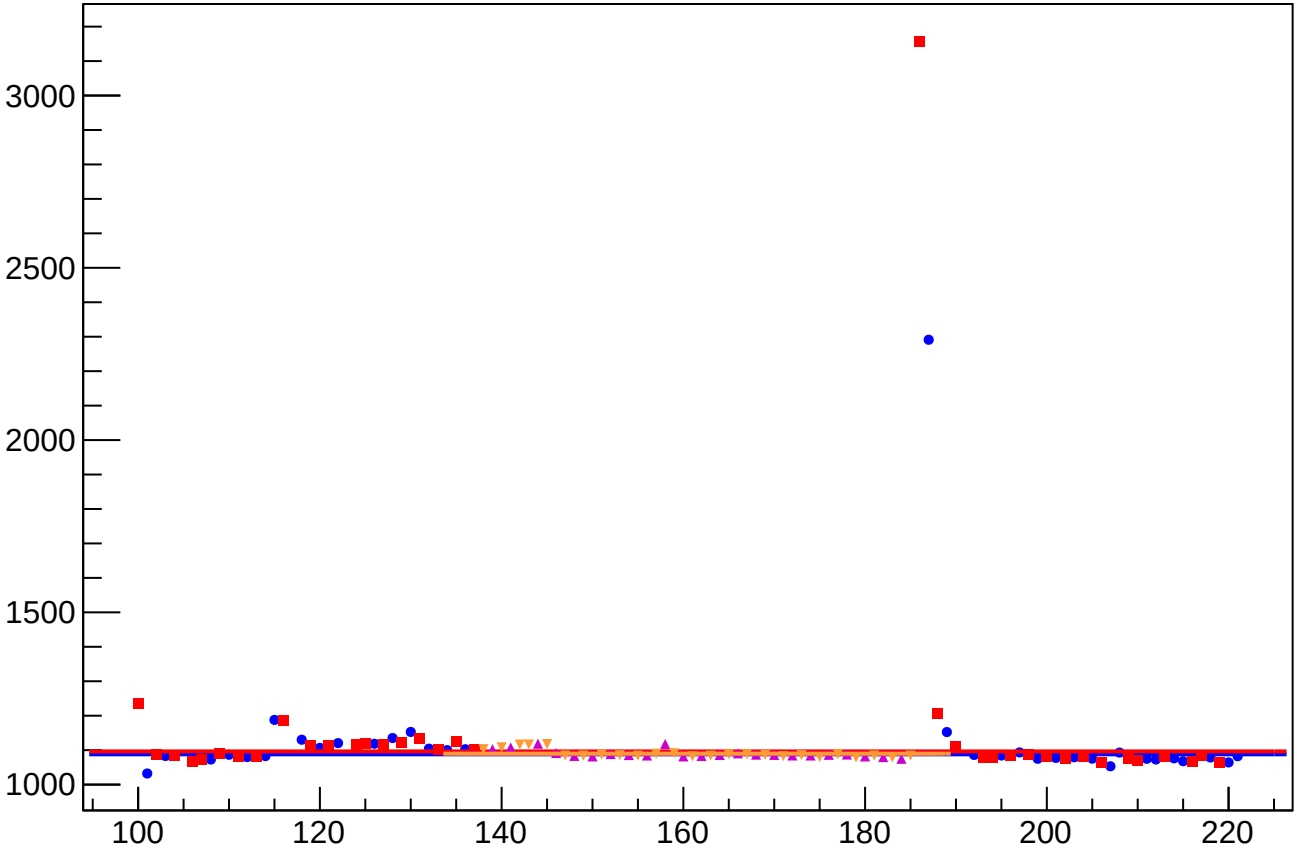
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2240.927+/-169.293 χ^2/NDF: 35.5/58

All: 91.887+/-121.380 χ^2/NDF: 428.8/117

- sign -2181.540+/-174.123 χ^2/NDF: 61.6/58

overload_cor_asym_usr_rms vs Slug



Right In: 1087.935+/-0.164 χ^2/NDF: 110639.8/33

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

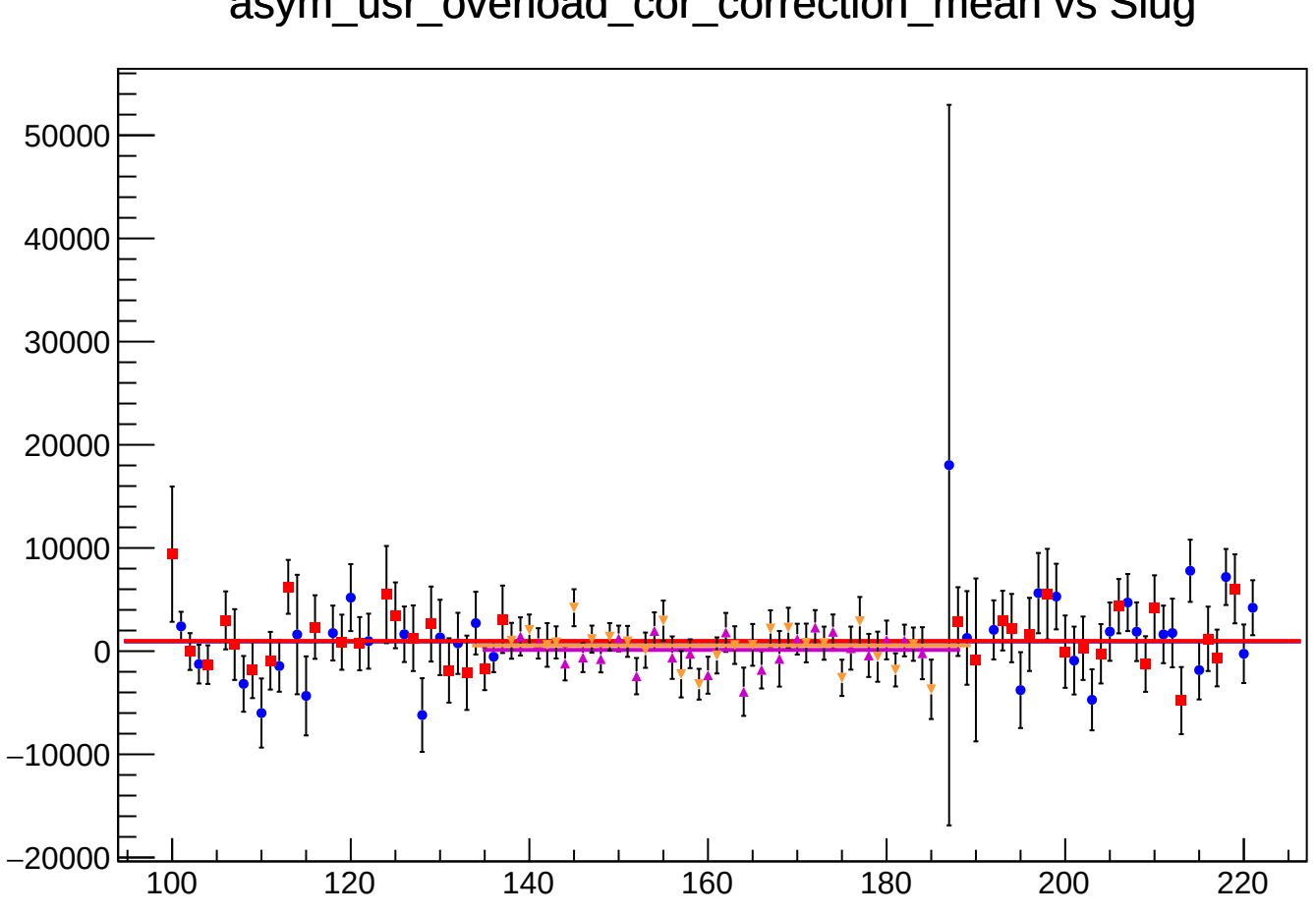
Right Out: 1096.373+/-0.169 χ^2/NDF: 385763.9/35

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

\+ sign 1088.781+/-0.120 χ^2/NDF: 114754.3/58

All: 1091.012+/-0.086 χ^2/NDF: 505803.9/117

\- sign 1093.373+/-0.123 χ^2/NDF: 390334.5/58



Right In: 940.335+/-473.469 χ^2/NDF: 43.7/33

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 985.595+/-498.963 χ^2/NDF: 26.7/34

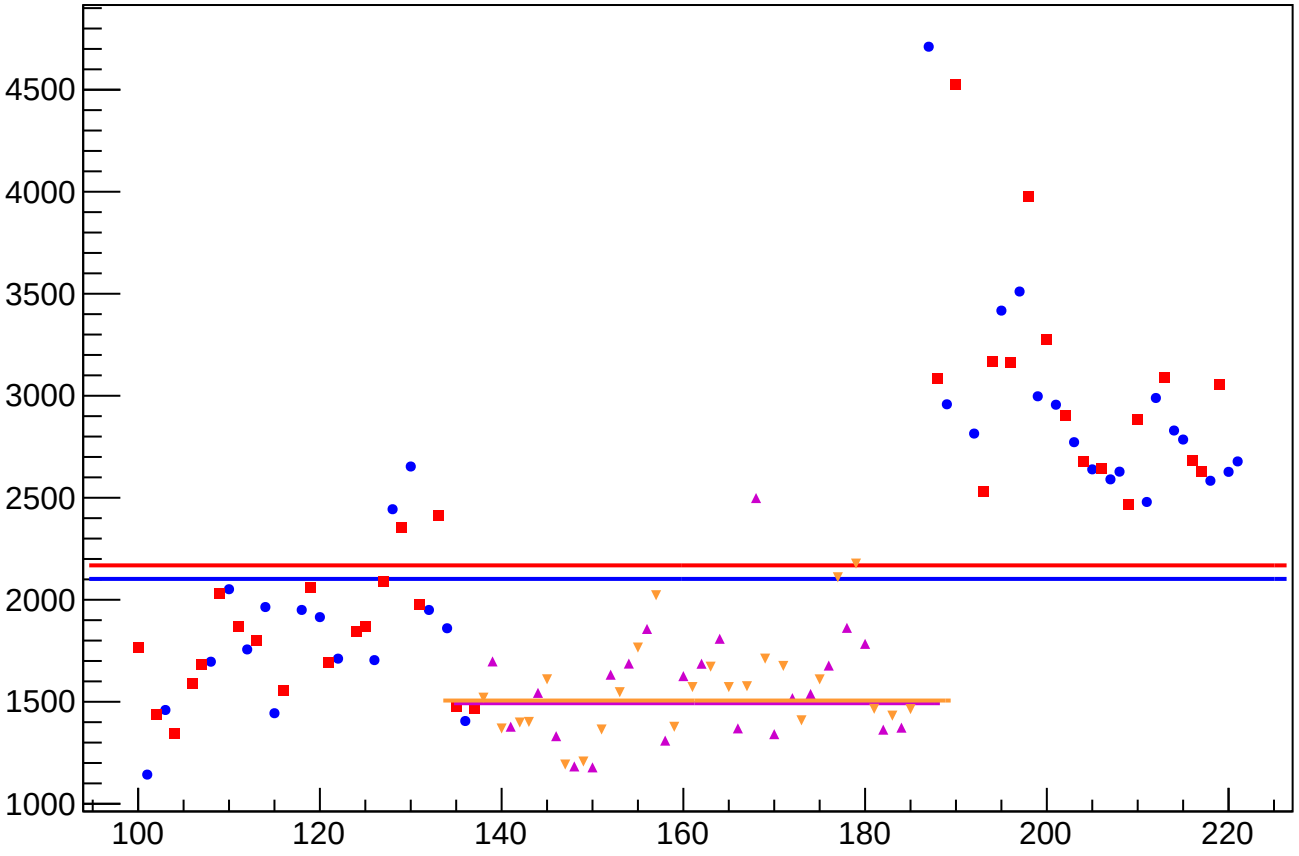
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

\+ sign 689.254+/-280.308 χ^2/NDF: 70.3/58

All: 554.549+/-201.214 χ^2/NDF: 116.5/116

\- sign 411.349+/-289.011 χ^2/NDF: 45.8/57

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2102.251+/-0.335 χ^2/NDF: 3876772.5/33

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

Right Out: 2168.600+/-0.353 χ^2/NDF: 3457544.4/34

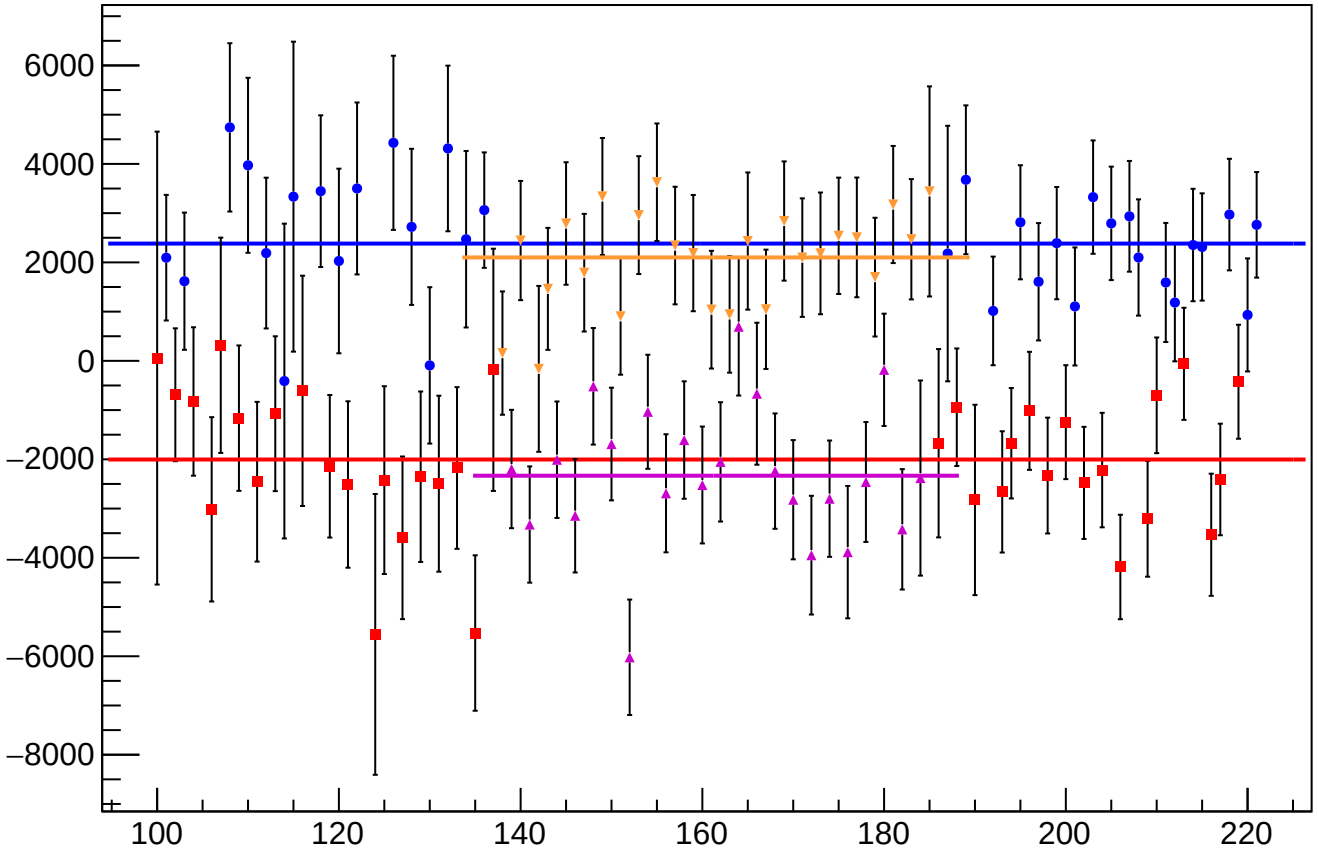
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1715.052+/-0.198 χ^2/NDF: 6732543.8/58

All: 1717.279+/-0.142 χ^2/NDF: 13591387.3/1

- sign 1719.647+/-0.204 χ^2/NDF: 6858583.0/57

eigen_cor_asym_usr_mean vs Slug



Right In: 2382.033+/-231.272 χ^2/NDF: 18.8/33

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2004.139+/-237.075 χ^2/NDF: 28.3/35

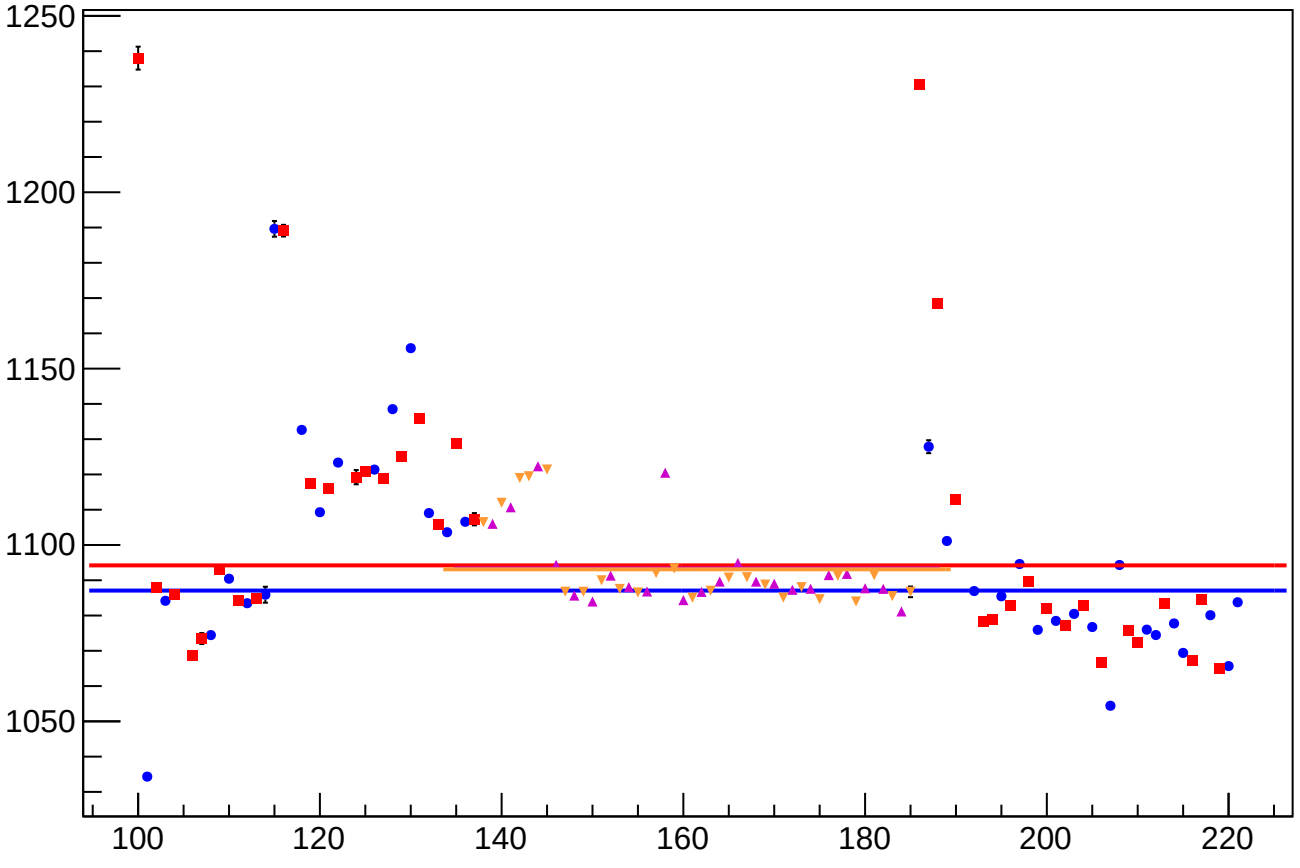
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.206+/-169.236 χ^2/NDF: 33.3/58

All: 104.999+/-121.222 χ^2/NDF: 422.3/117

- sign -2156.402+/-173.718 χ^2/NDF: 58.7/58

eigen_cor_asym_usr_rms vs Slug



Right In: 1087.074+/-0.164 χ^2/NDF: 21113.1/33

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

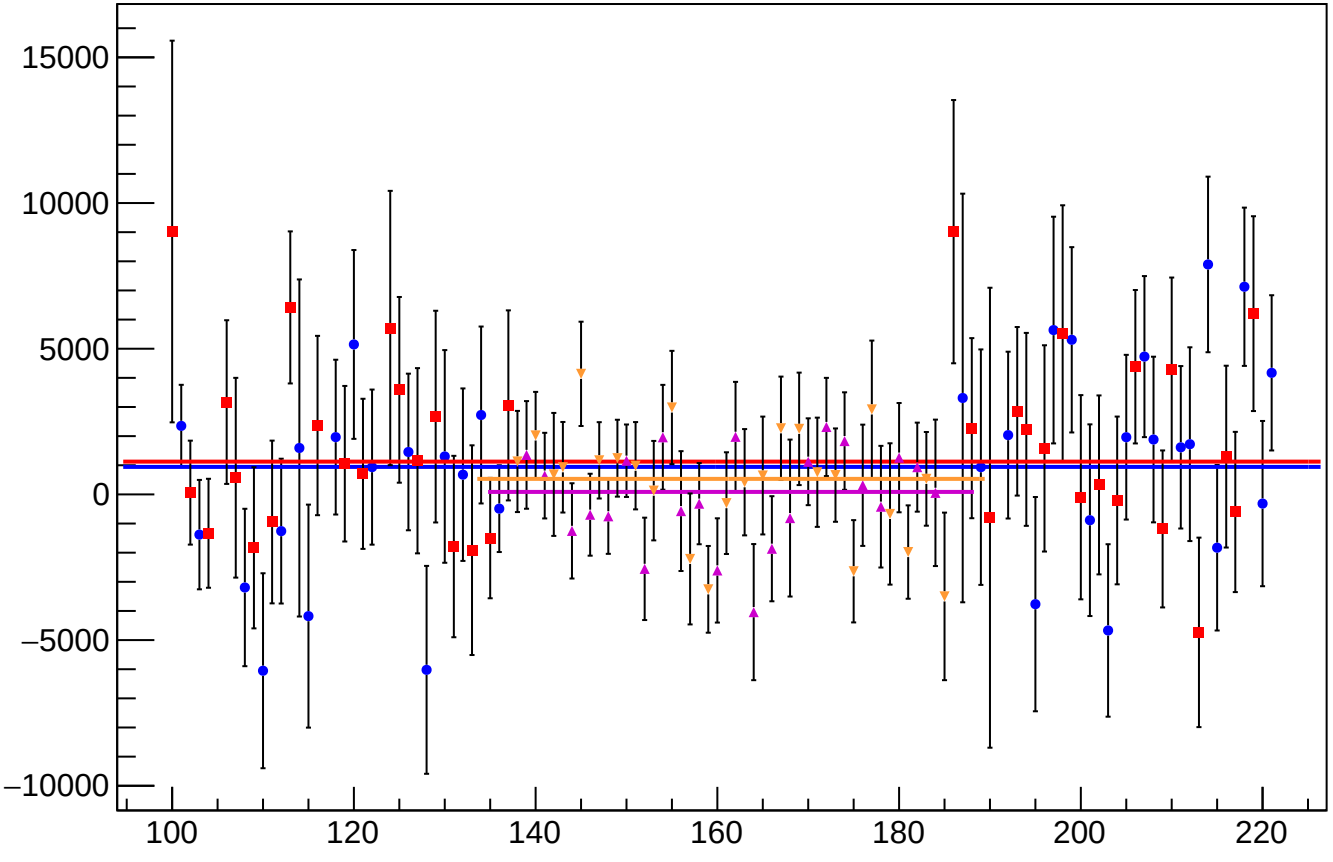
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1089.874+/-0.120 χ^2/NDF: 25727.5/58

All: 1091.791+/-0.086 χ^2/NDF: 65675.7/117

- sign 1093.810+/-0.123 χ^2/NDF: 39421.4/58

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 943.817+/-471.387 χ^2/NDF: 43.3/33

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1125.201+/-494.723 χ^2/NDF: 29.7/35

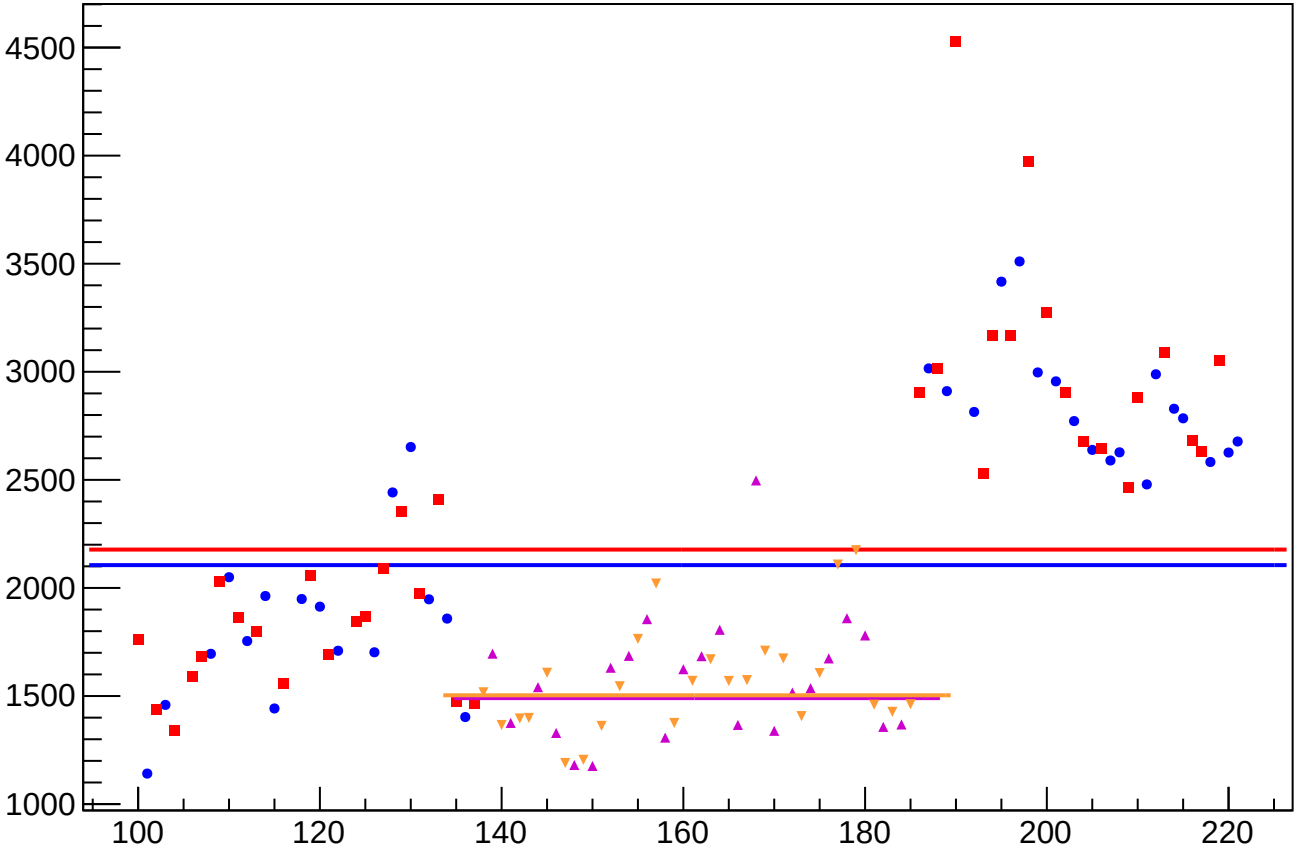
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 677.487+/-279.566 χ^2/NDF: 70.2/58

All: 560.936+/-200.549 χ^2/NDF: 121.3/117

- sign 437.374+/-287.853 χ^2/NDF: 50.7/58

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2105.583+/-0.333 χ^2/NDF: 3922594.3/33

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

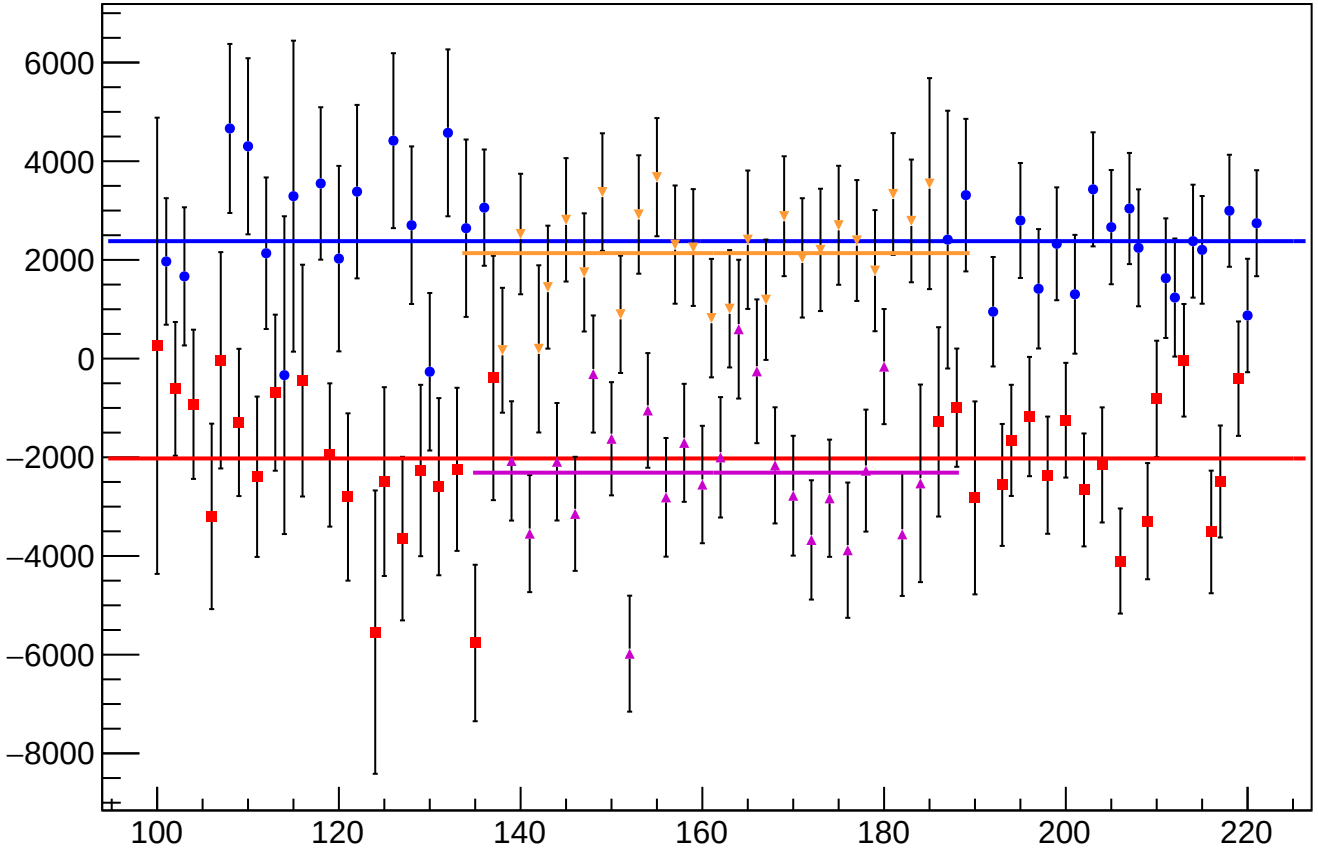
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1715.232+/-0.198 χ^2/NDF: 6837859.9/58

All: 1718.986+/-0.142 χ^2/NDF: 13880554.3/1

- sign 1722.965+/-0.204 χ^2/NDF: 7041951.7/58

dit_asym_usr_mean vs Slug



Right In: 2379.937+/-232.278 χ^2/NDF: 19.5/33

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2023.612+/-238.063 χ^2/NDF: 28.7/35

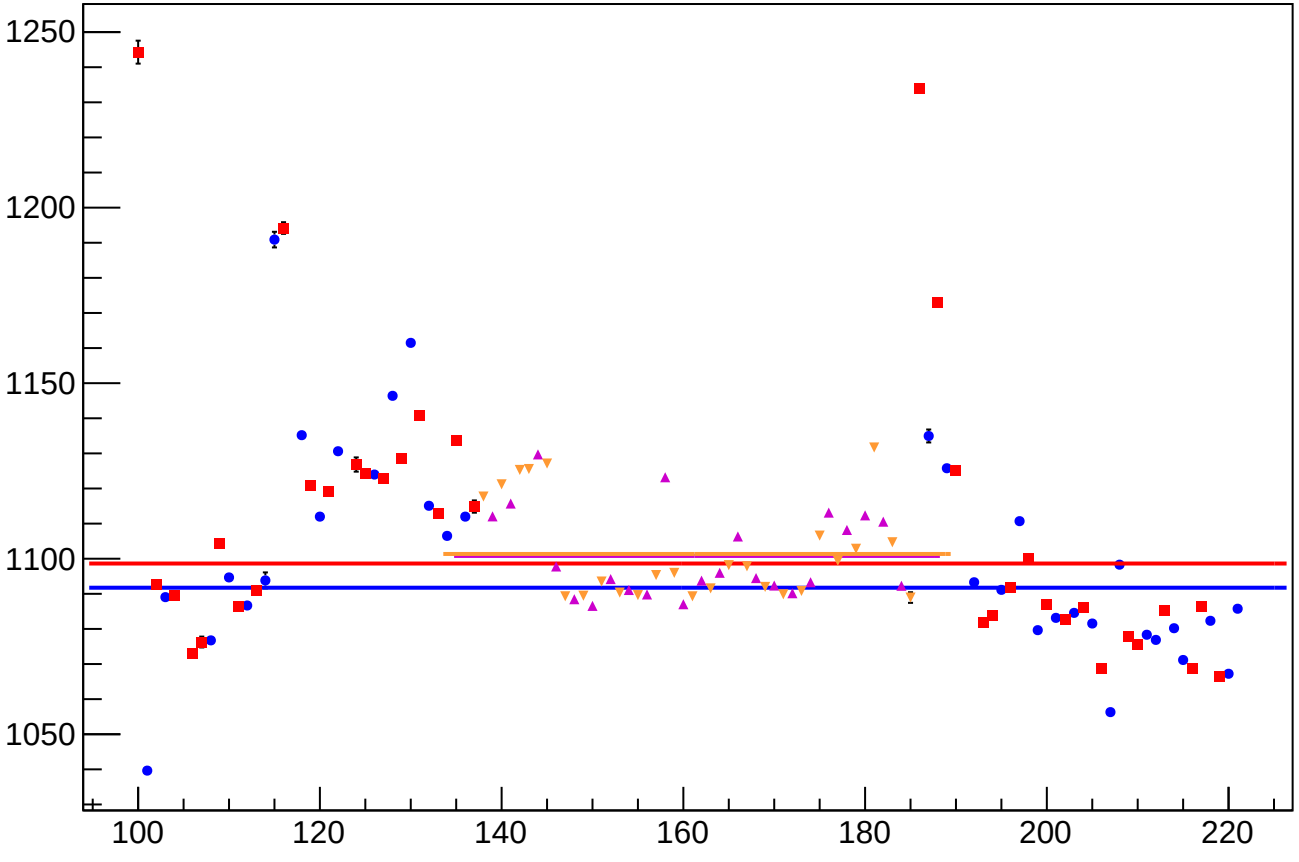
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2267.563+/-170.227 χ^2/NDF: 33.9/58

All: 112.286+/-121.905 χ^2/NDF: 422.3/117

- sign -2156.661+/-174.659 χ^2/NDF: 59.3/58

dit_asym_usr_rms vs Slug



Right In: 1091.740+/-0.164 χ^2/NDF: 23384.1/33

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.2/35

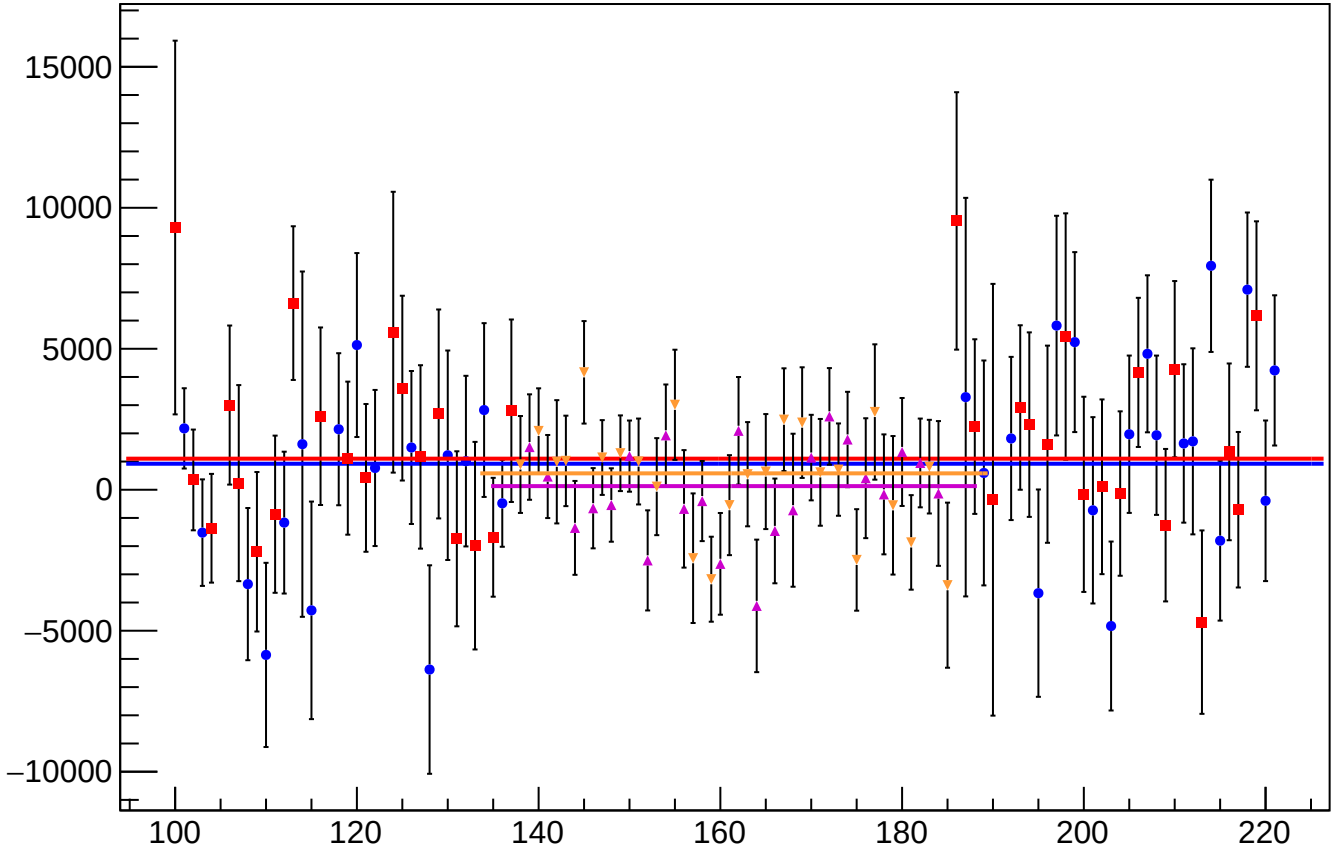
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1096.190+/-0.120 χ^2/NDF: 30920.4/58

All: 1097.865+/-0.086 χ^2/NDF: 72650.0/117

- sign 1099.629+/-0.124 χ^2/NDF: 41332.1/58

asym_usr_dit_correction_mean vs Slug



Right In: 922.533+/-476.234 χ^2/NDF: 43.3/33

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1102.281+/-499.903 χ^2/NDF: 29.8/35

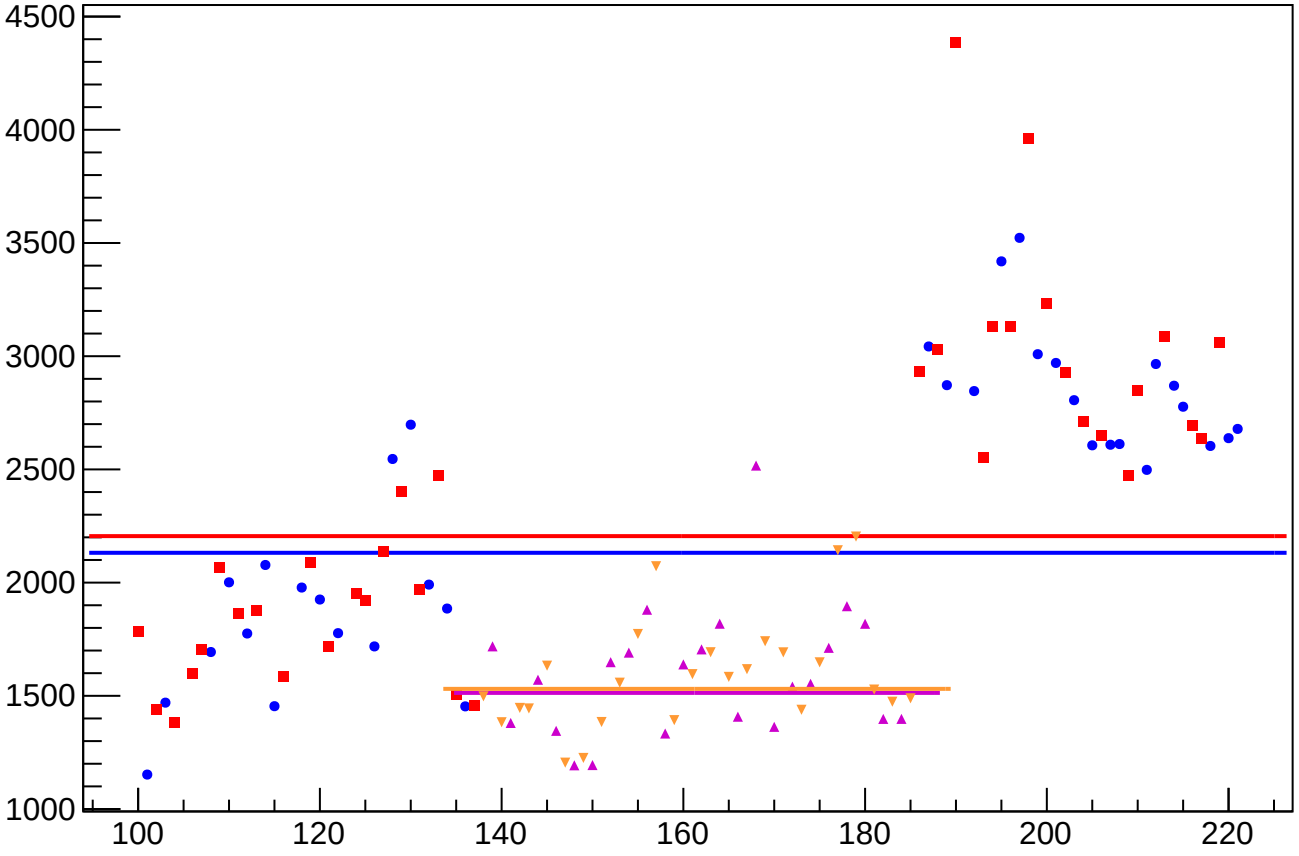
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 702.555+/-283.790 χ^2/NDF: 69.1/58

All: 584.676+/-203.398 χ^2/NDF: 119.6/117

- sign 460.162+/-291.667 χ^2/NDF: 50.2/58

asym_usr_dit_correction_rms vs Slug



Right In: 2131.721+/-0.337 χ^2/NDF: 3788509.3/33

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

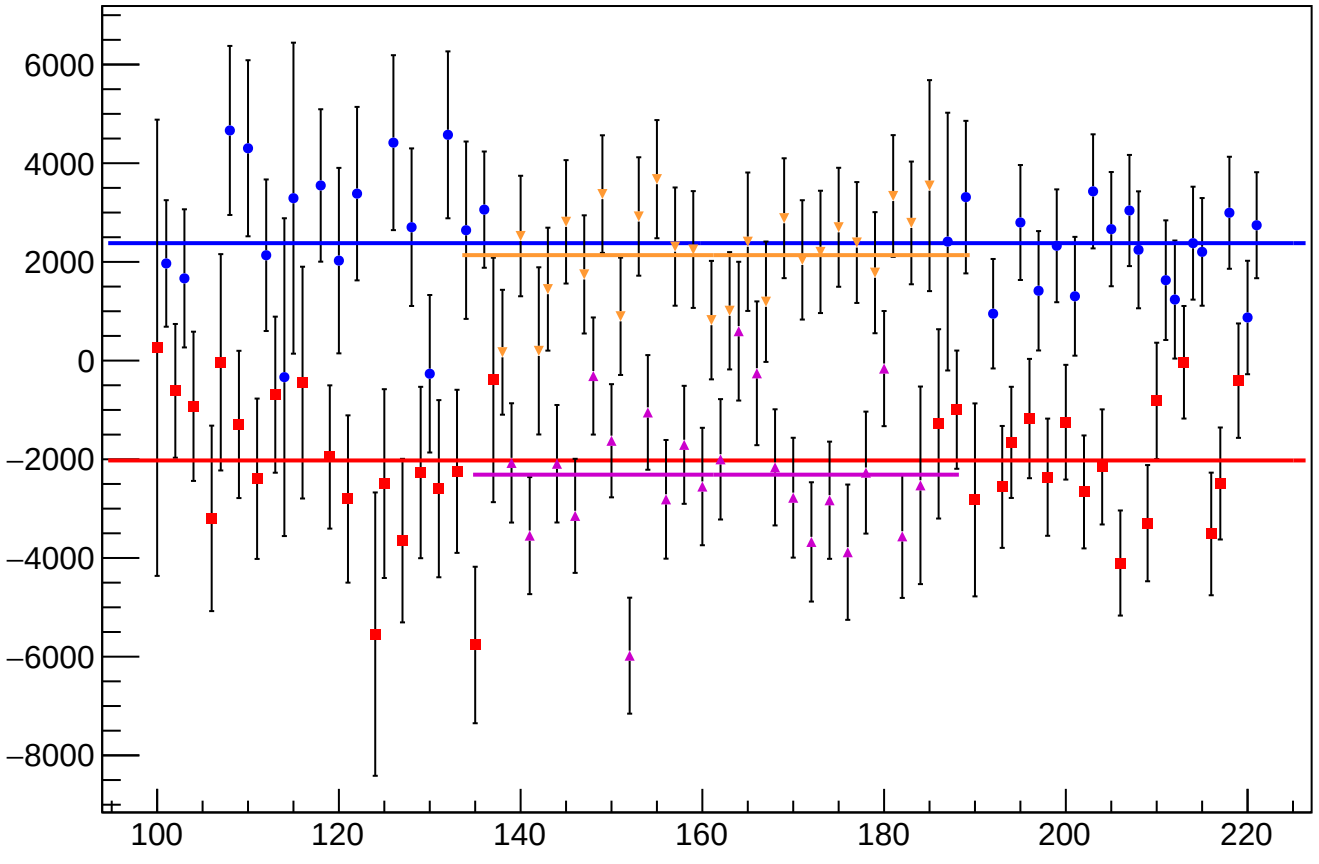
Right Out: 2205.355+/-0.353 χ^2/NDF: 3353531.8/35

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1744.166+/-0.201 χ^2/NDF: 6637979.9/58

All: 1746.346+/-0.144 χ^2/NDF: 13479610.9/1

- sign 1748.650+/-0.206 χ^2/NDF: 6841388.2/58



Right In: 2379.937+/-232.278 χ^2/NDF: 19.5/33

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2023.617+/-238.063 χ^2/NDF: 28.7/35

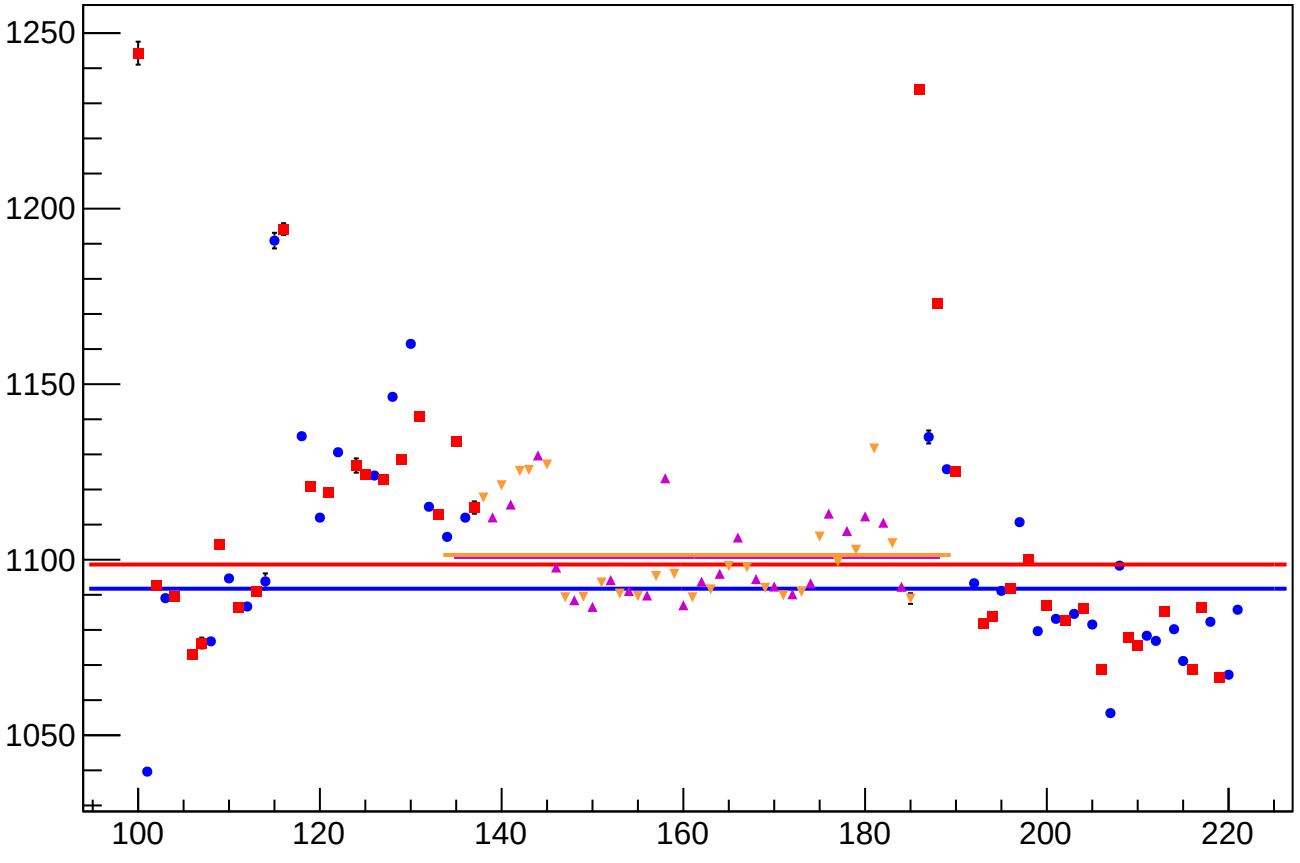
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2267.562+/-170.227 χ^2/NDF: 33.9/58

All: 112.284+/-121.905 χ^2/NDF: 422.3/117

- sign -2156.663+/-174.659 χ^2/NDF: 59.3/58

eigen_dit_asym_usr_rms vs Slug



Right In: 1091.740+/-0.164 χ^2/NDF: 23383.9/33

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.1/35

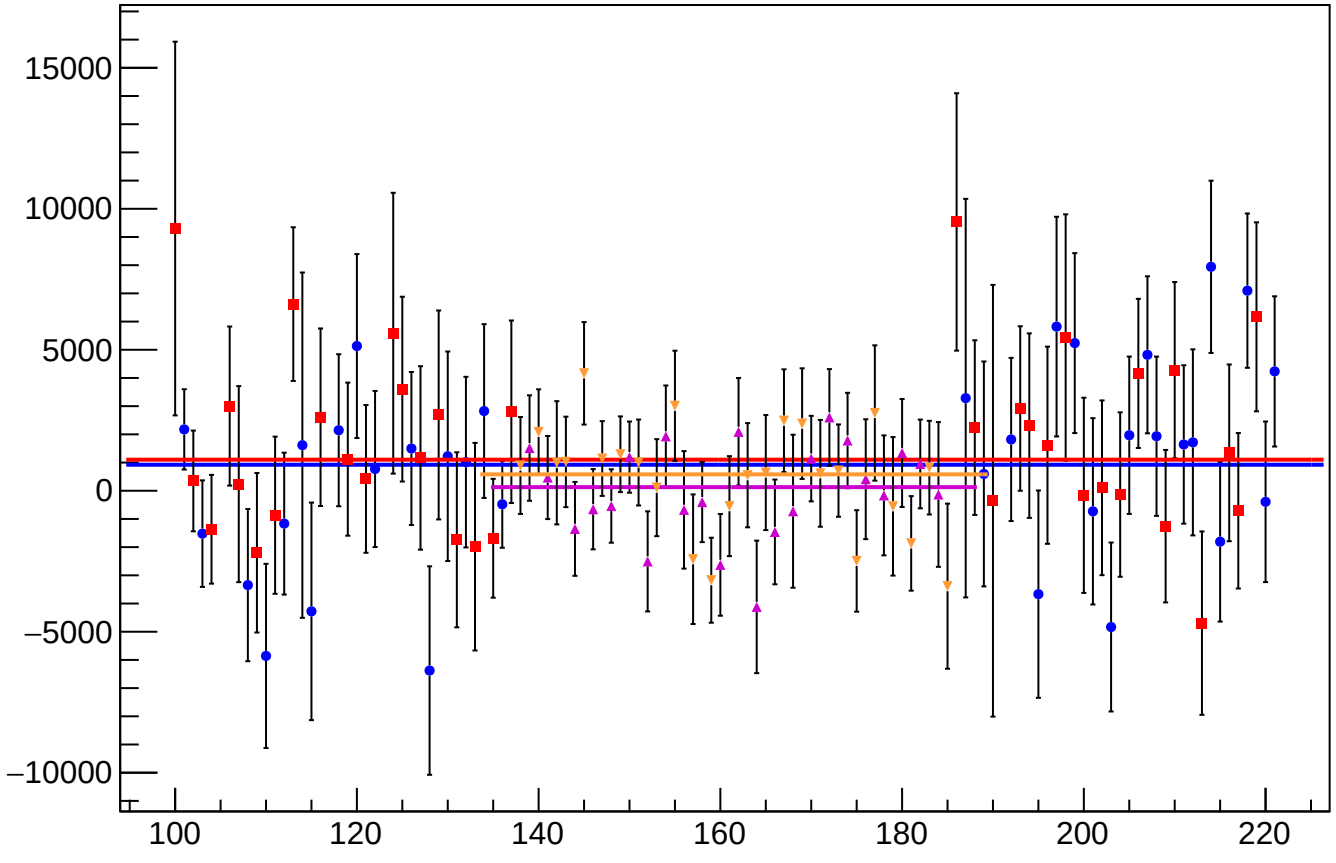
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1096.190+/-0.120 χ^2/NDF: 30920.3/58

All: 1097.865+/-0.086 χ^2/NDF: 72649.7/117

- sign 1099.628+/-0.124 χ^2/NDF: 41332.0/58

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 922.528+/-476.234 χ^2/NDF: 43.3/33

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1102.280+/-499.903 χ^2/NDF: 29.8/35

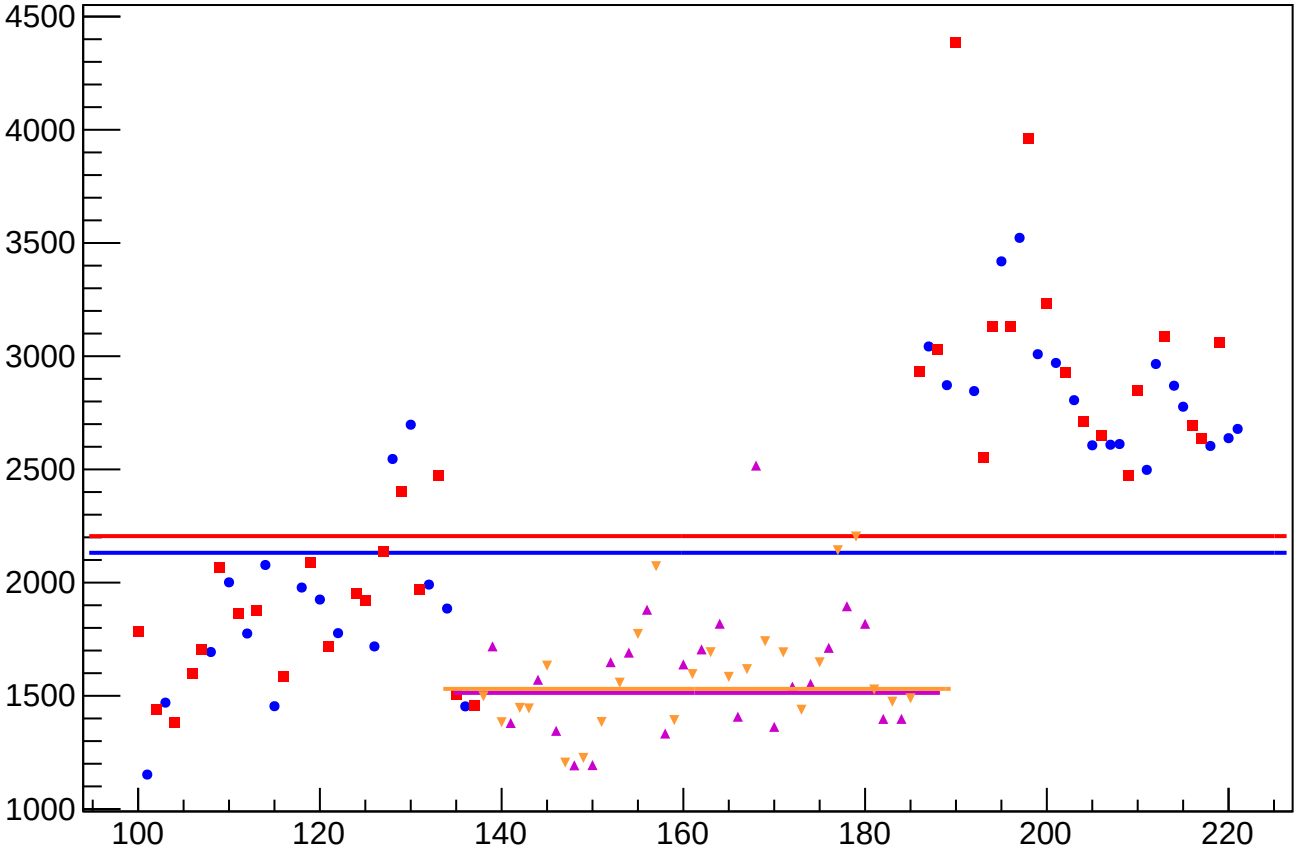
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 702.553+/-283.791 χ^2/NDF: 69.1/58

All: 584.675+/-203.398 χ^2/NDF: 119.6/117

- sign 460.164+/-291.667 χ^2/NDF: 50.2/58

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2131.720+/-0.337 χ^2/NDF: 3788524.9/33

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2205.354+/-0.353 χ^2/NDF: 3353532.9/35

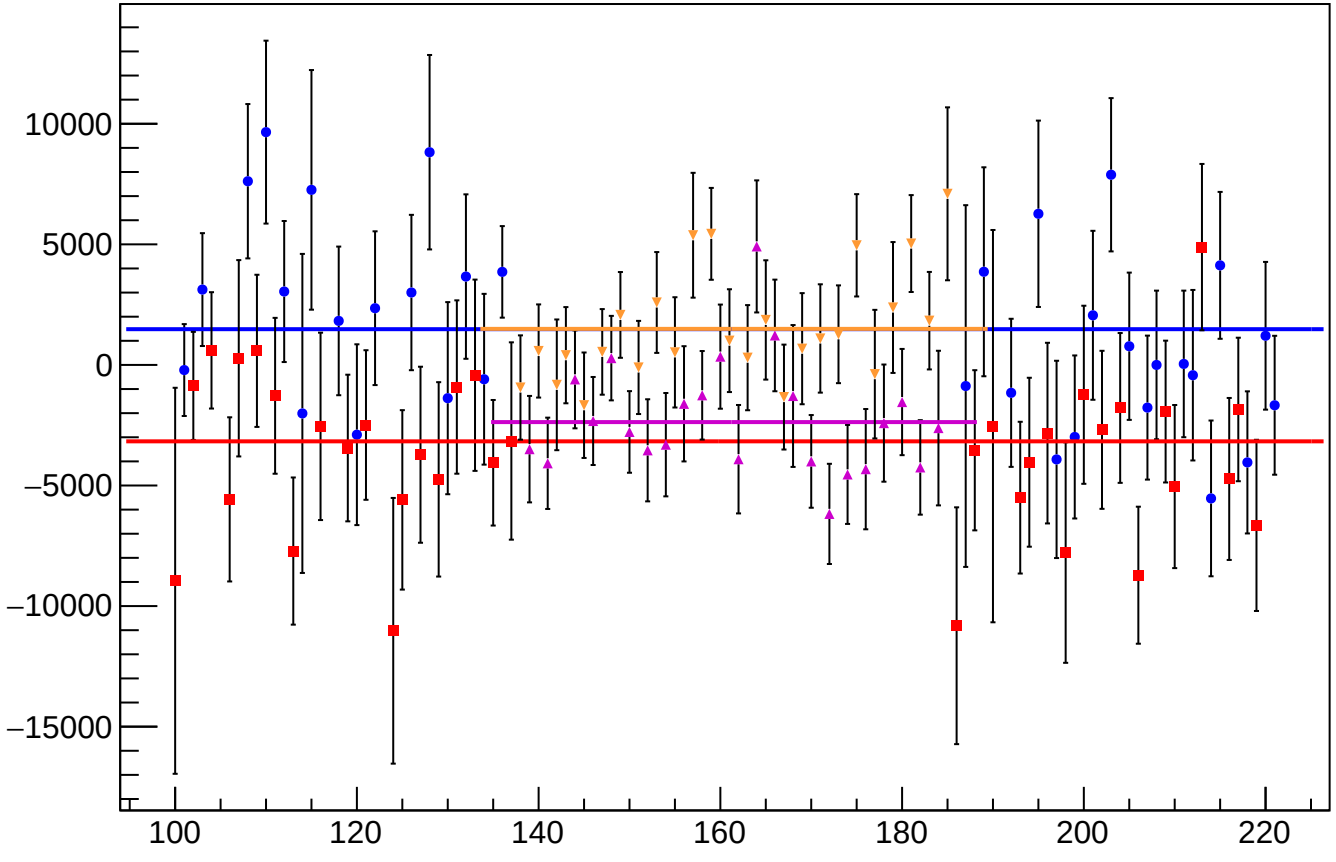
Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1744.169+/-0.201 χ^2/NDF: 6637962.1/58

All: 1746.349+/-0.144 χ^2/NDF: 13479561.1/1

- sign 1748.653+/-0.206 χ^2/NDF: 6841356.3/58

asym_usr_mean vs Slug



Right In: 1482.216+/-544.299 χ^2/NDF: 41.8/33

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3168.759+/-566.466 χ^2/NDF: 28.6/35

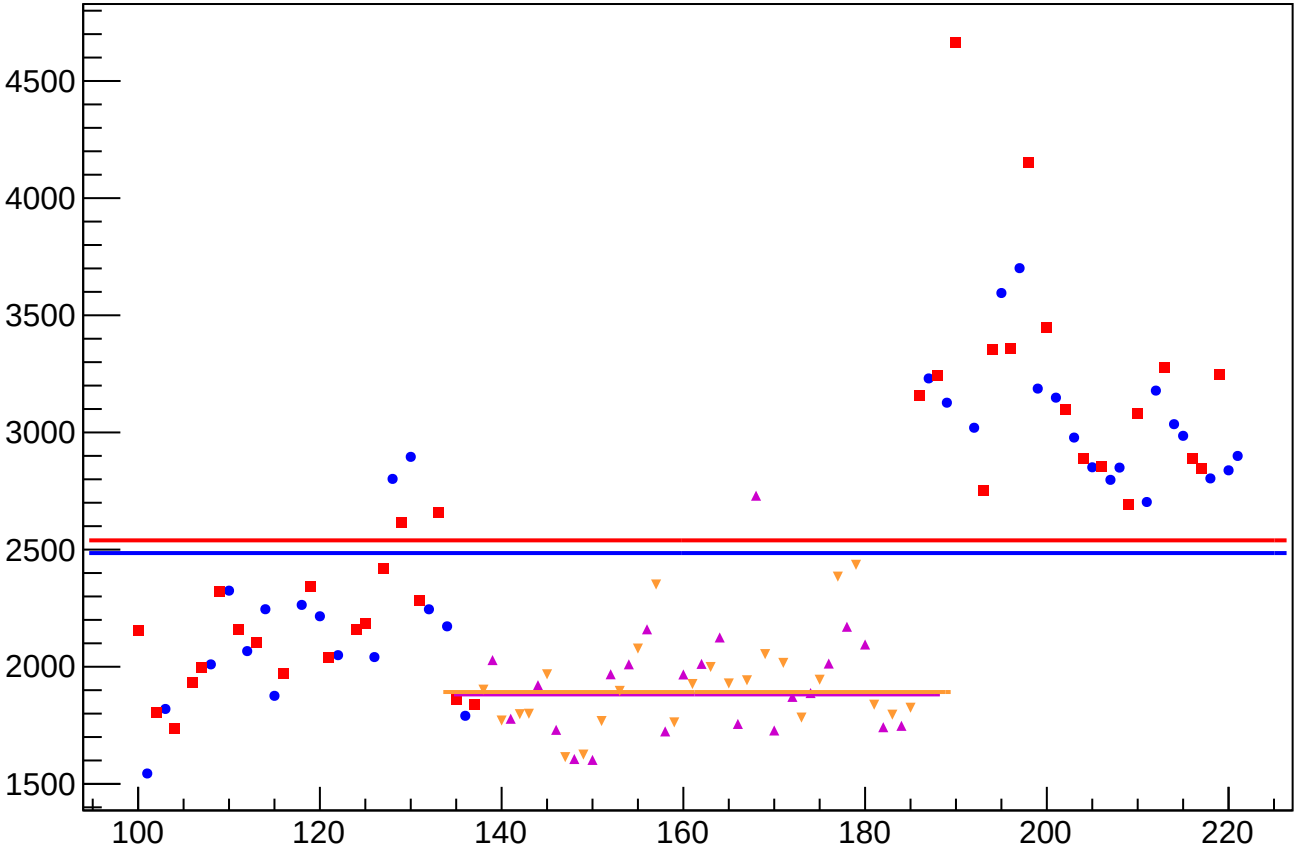
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1490.056+/-338.950 χ^2/NDF: 65.5/58

All: -531.289+/-243.128 χ^2/NDF: 192.3/117

- sign -2673.515+/-348.937 χ^2/NDF: 53.6/58

asym_usr_rms vs Slug



Right In: 2485.168+/-0.385 χ^2/NDF: 2234796.5/33

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

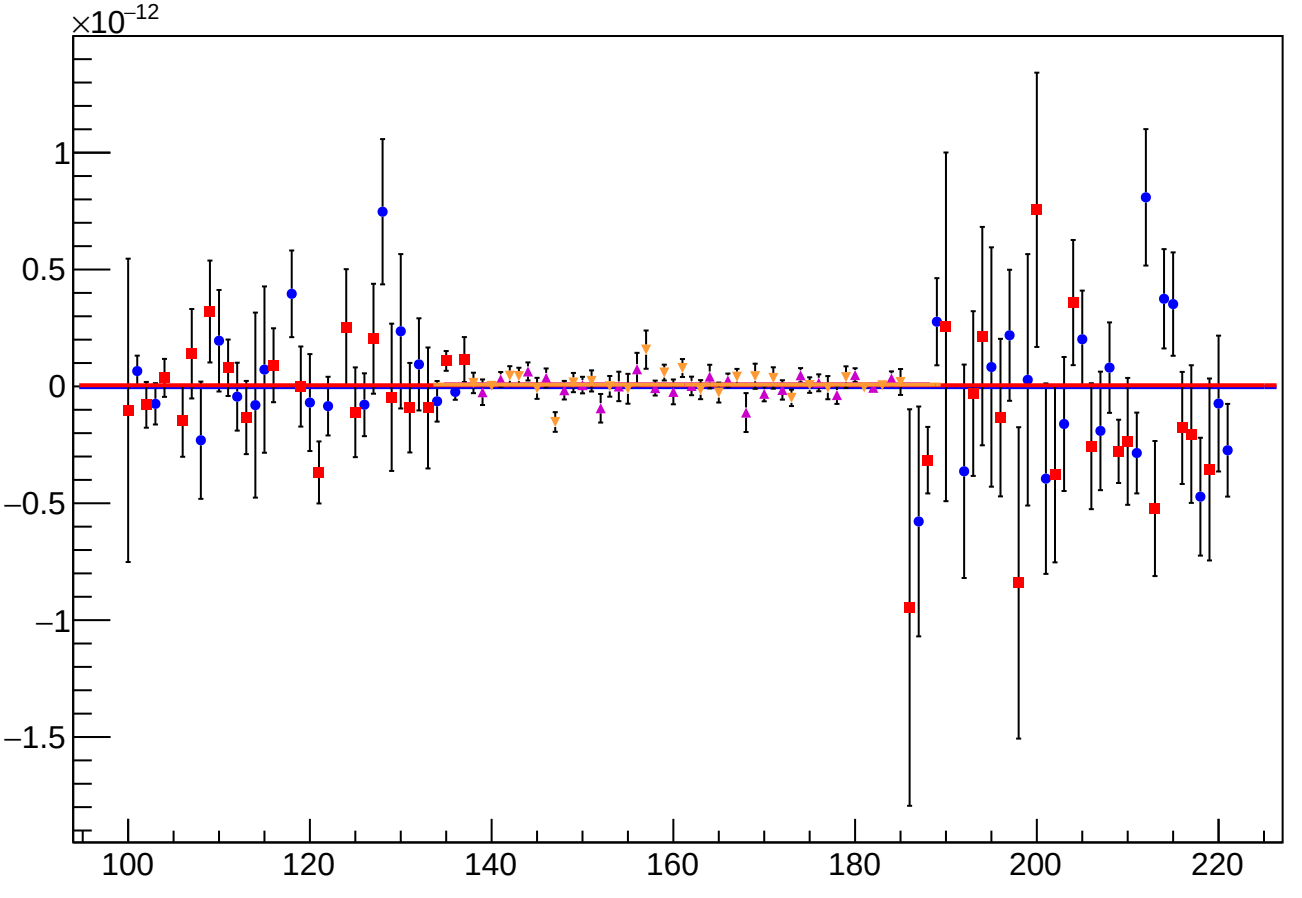
Right Out: 2539.415+/-0.401 χ^2/NDF: 2178523.9/35

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2122.095+/-0.240 χ^2/NDF: 4078029.1/58

All: 2126.605+/-0.172 χ^2/NDF: 8392136.4/11

- sign 2131.385+/-0.247 χ^2/NDF: 4313377.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 45.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

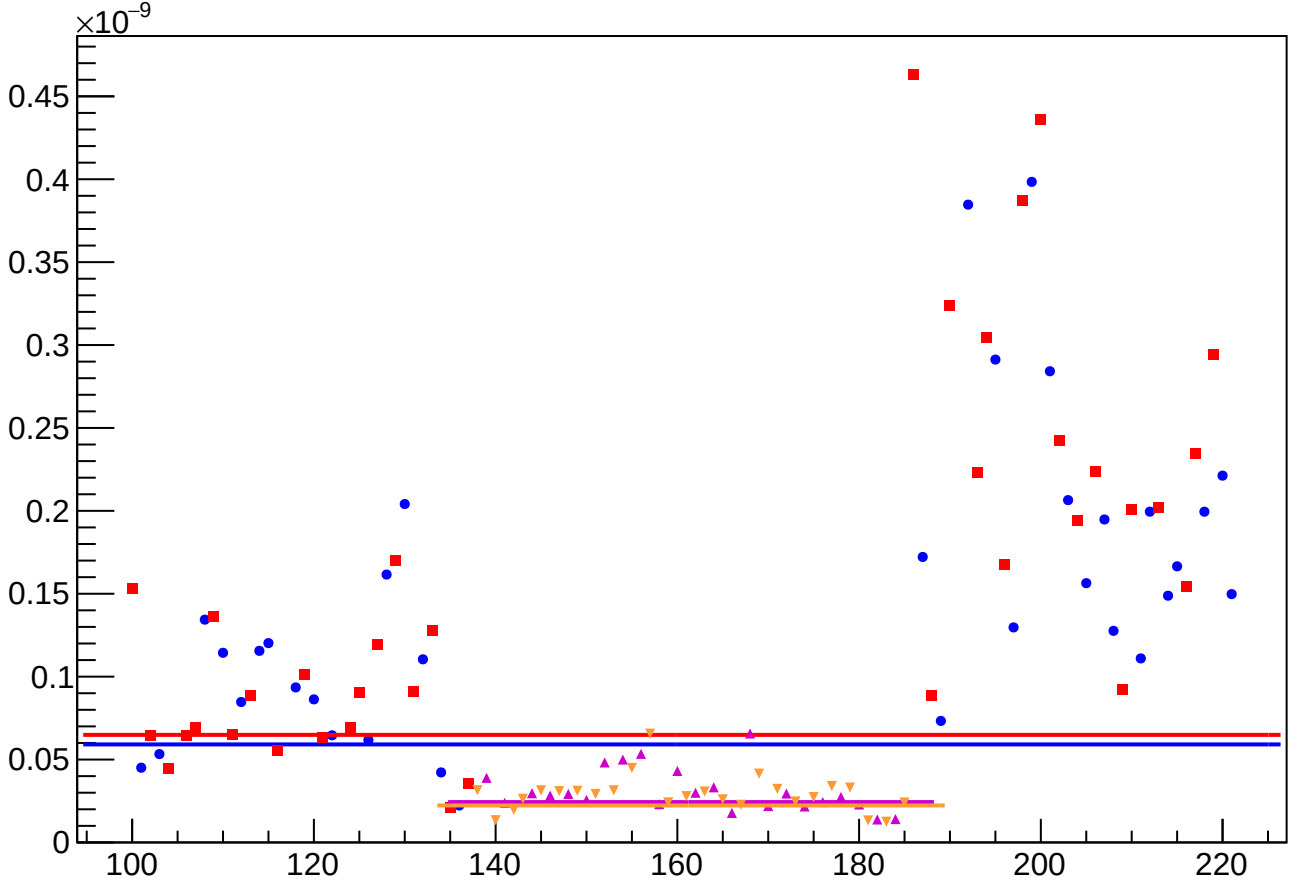
Right Out: 0.000+/-0.000 χ^2/NDF: 47.9/35

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.4/58

All: 0.000+/-0.000 χ^2/NDF: 145.4/117

- sign 0.000+/-0.000 χ^2/NDF: 67.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 11905256.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

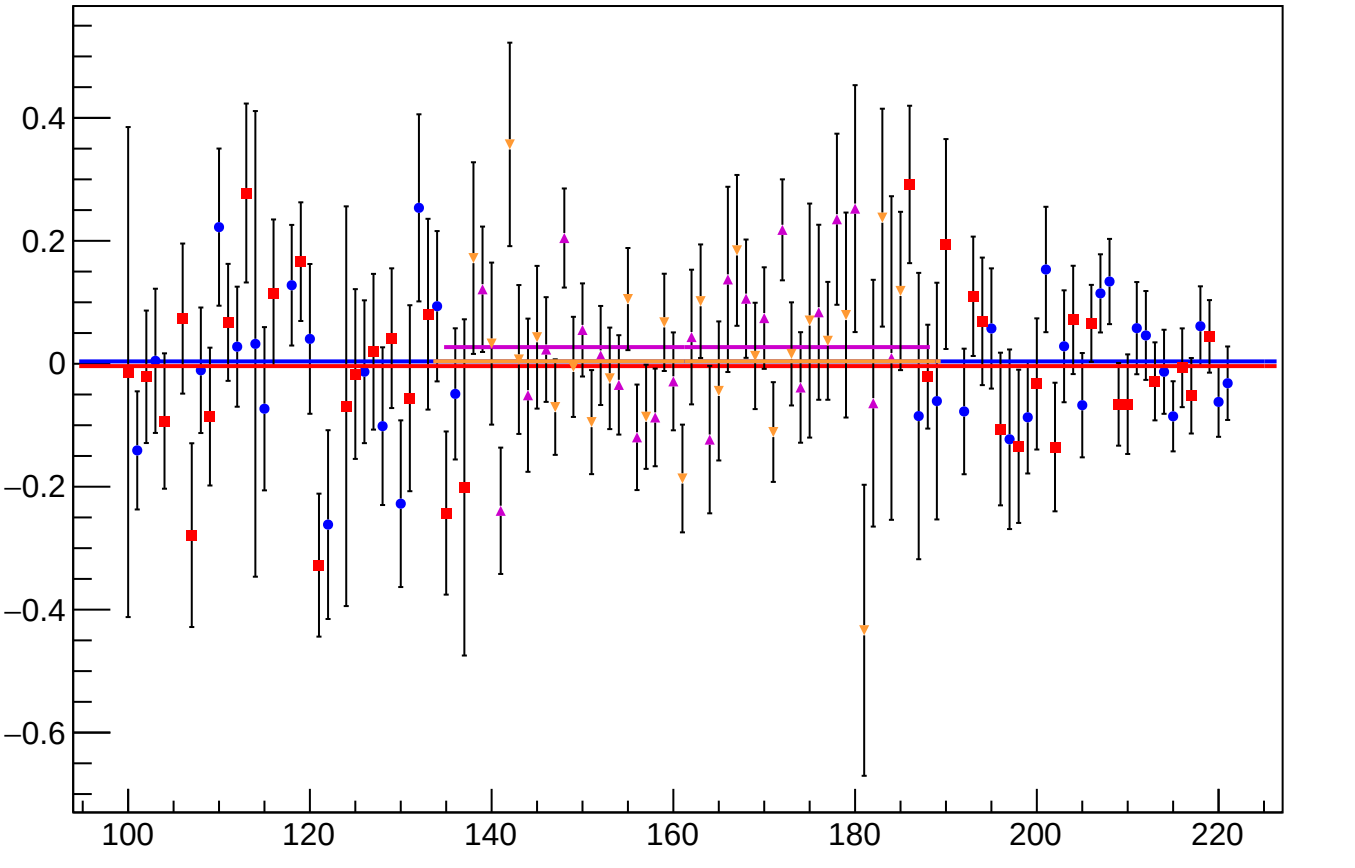
Right Out: 0.000+/-0.000 χ^2/NDF: 10746401.8/35

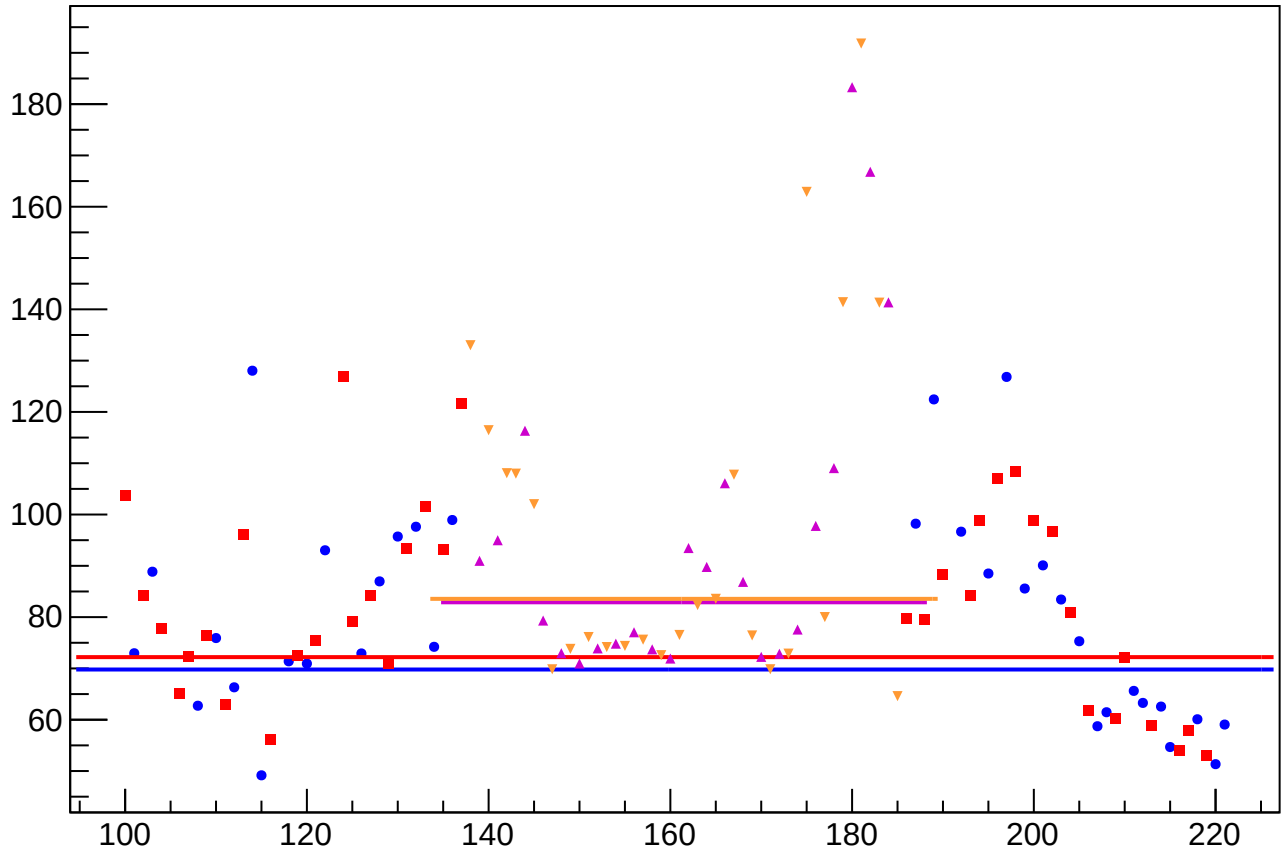
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20436909.4/58

All: 0.000+/-0.000 χ^2/NDF: 39236763.1/117

- sign 0.000+/-0.000 χ^2/NDF: 18694376.3/58


asym_usr_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: 0.004+/-0.016 χ²/NDF: 35.6/33
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.004+/-0.016 χ²/NDF: 42.4/35
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.004+/-0.012 χ²/NDF: 63.8/58
All: 0.006+/-0.009 χ²/NDF: 139.6/117
- sign 0.008+/-0.013 χ²/NDF: 75.7/58



Right In: 69.789+/-0.011 χ^2/NDF: 2025403.7/33

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

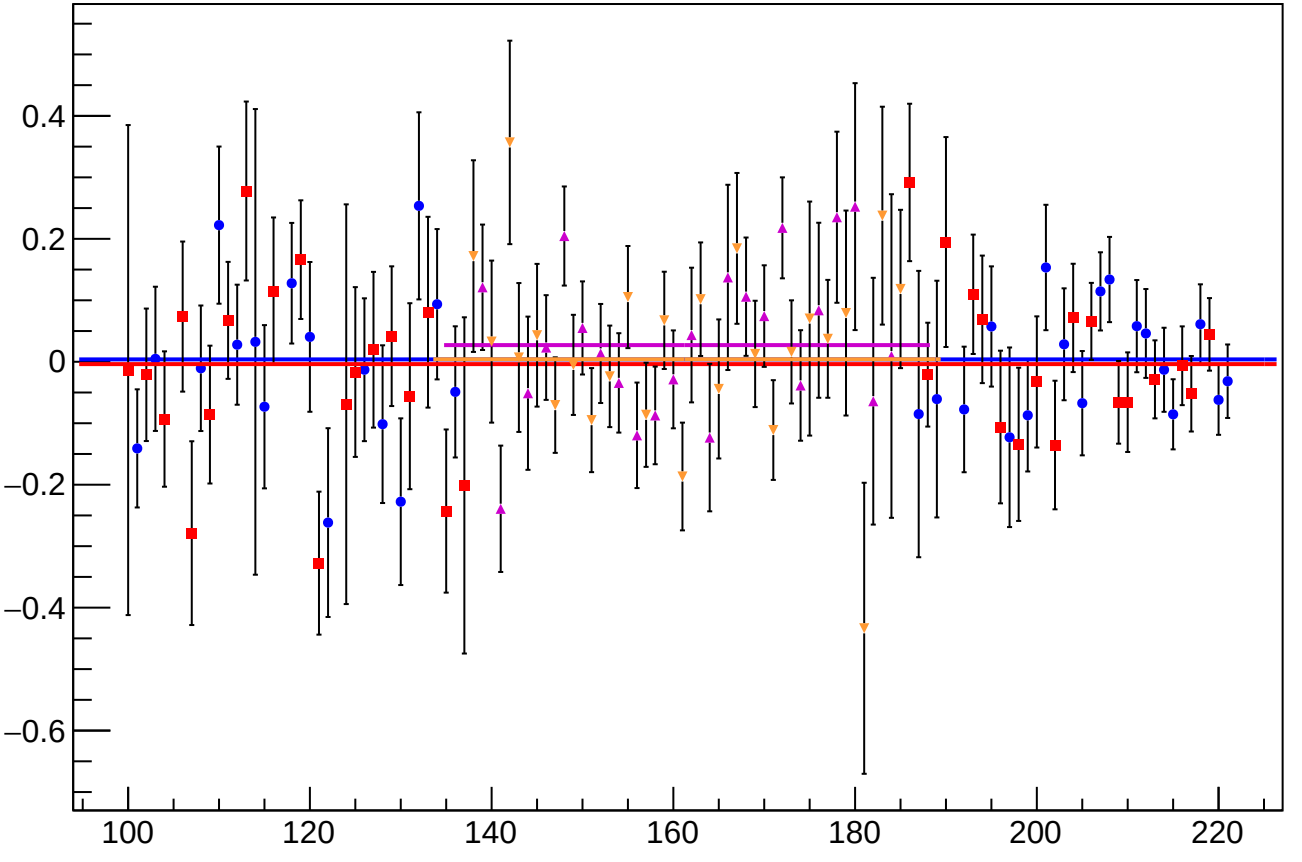
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 74.951+/-0.009 χ^2/NDF: 4774014.6/58

All: 75.647+/-0.006 χ^2/NDF: 8625528.6/117

- sign 76.393+/-0.009 χ^2/NDF: 3838521.3/58

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

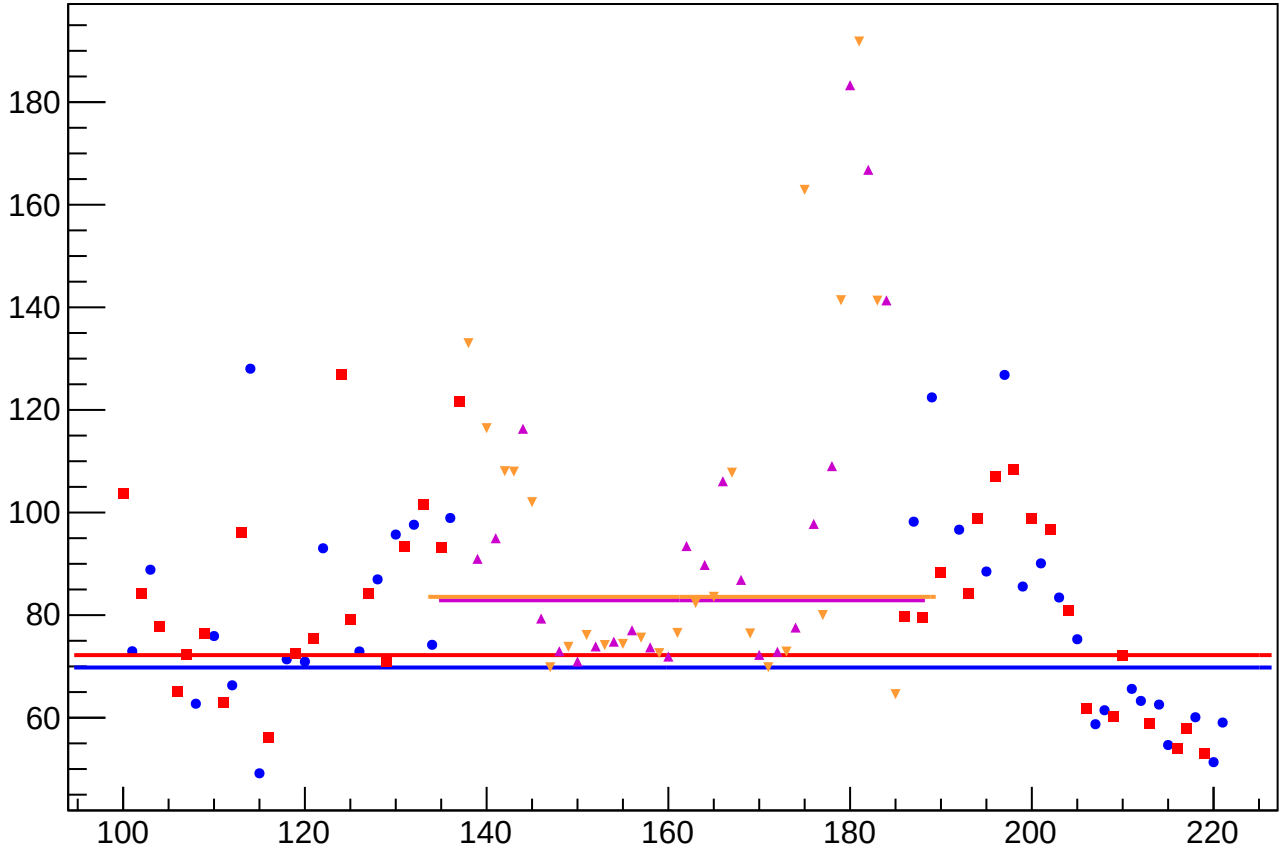
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.006+/-0.009 χ^2/NDF: 139.6/117

- sign 0.008+/-0.013 χ^2/NDF: 75.7/58

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.789+/-0.011 χ^2/NDF: 2025403.7/33

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

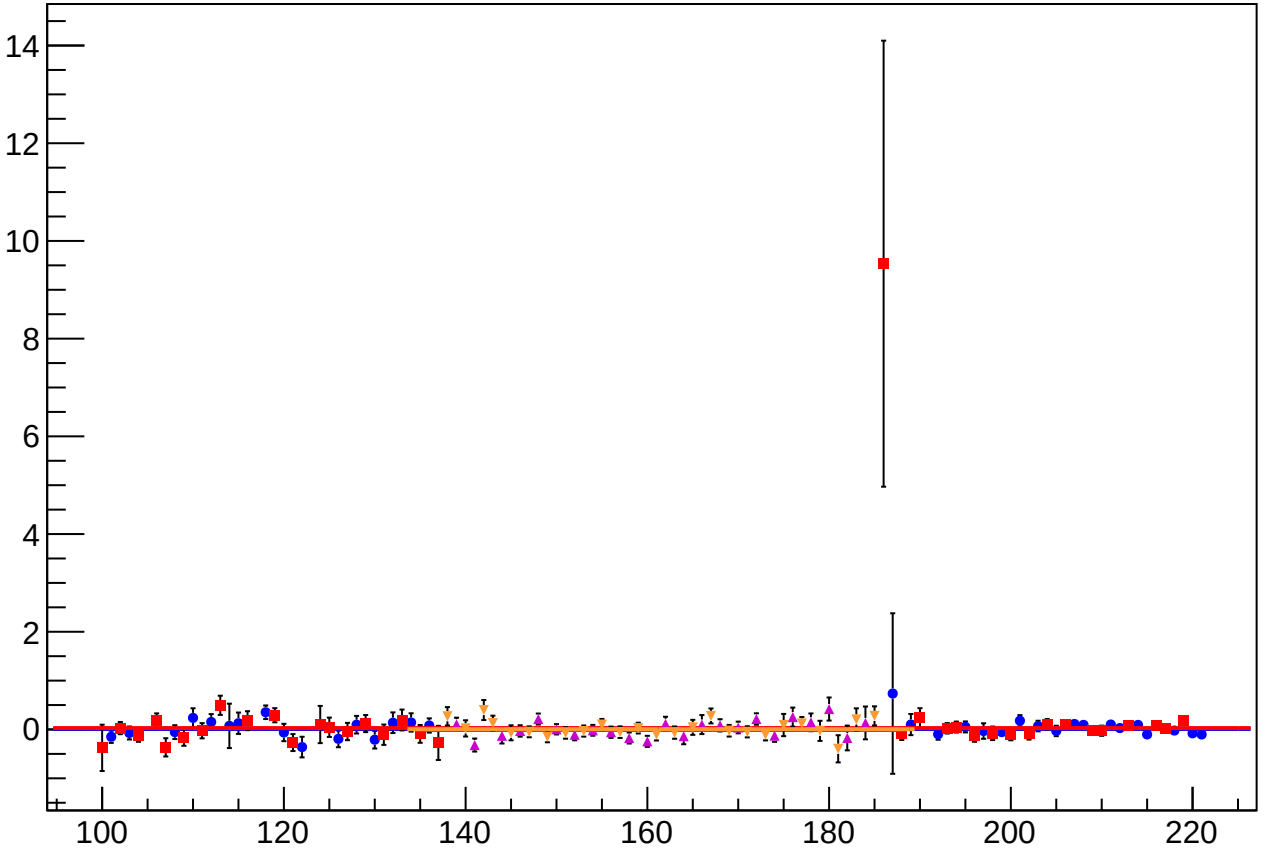
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 74.951+/-0.009 χ^2/NDF: 4774014.6/58

All: 75.647+/-0.006 χ^2/NDF: 8625528.6/117

- sign 76.393+/-0.009 χ^2/NDF: 3838521.3/58

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.011+/-0.021 χ^2/NDF: 32.0/33

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.028+/-0.022 χ^2/NDF: 40.4/35

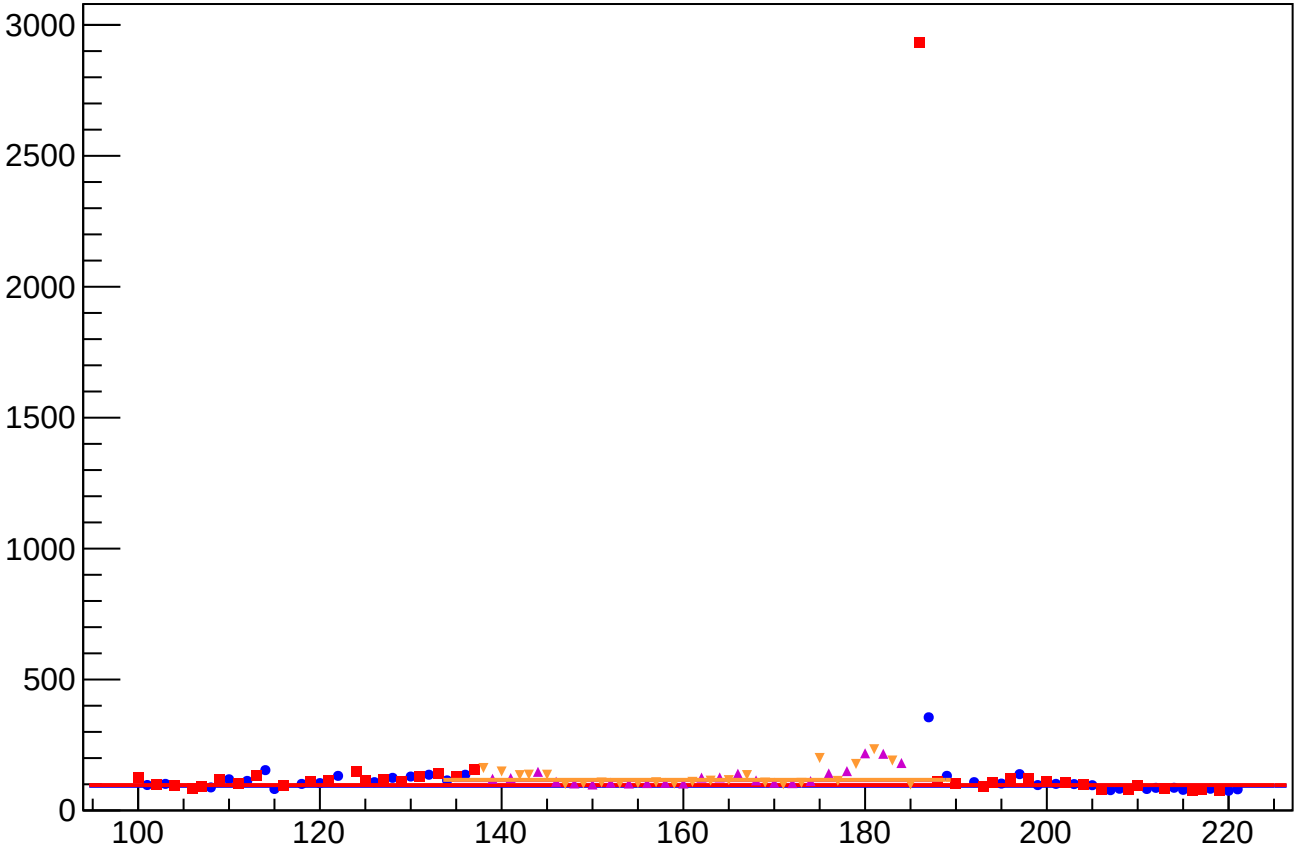
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.017 χ^2/NDF: 53.3/58

All: 0.011+/-0.012 χ^2/NDF: 126.2/117

- sign 0.014+/-0.017 χ^2/NDF: 72.9/58

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 94.074+/-0.015 χ^2/NDF: 1371816.6/33

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

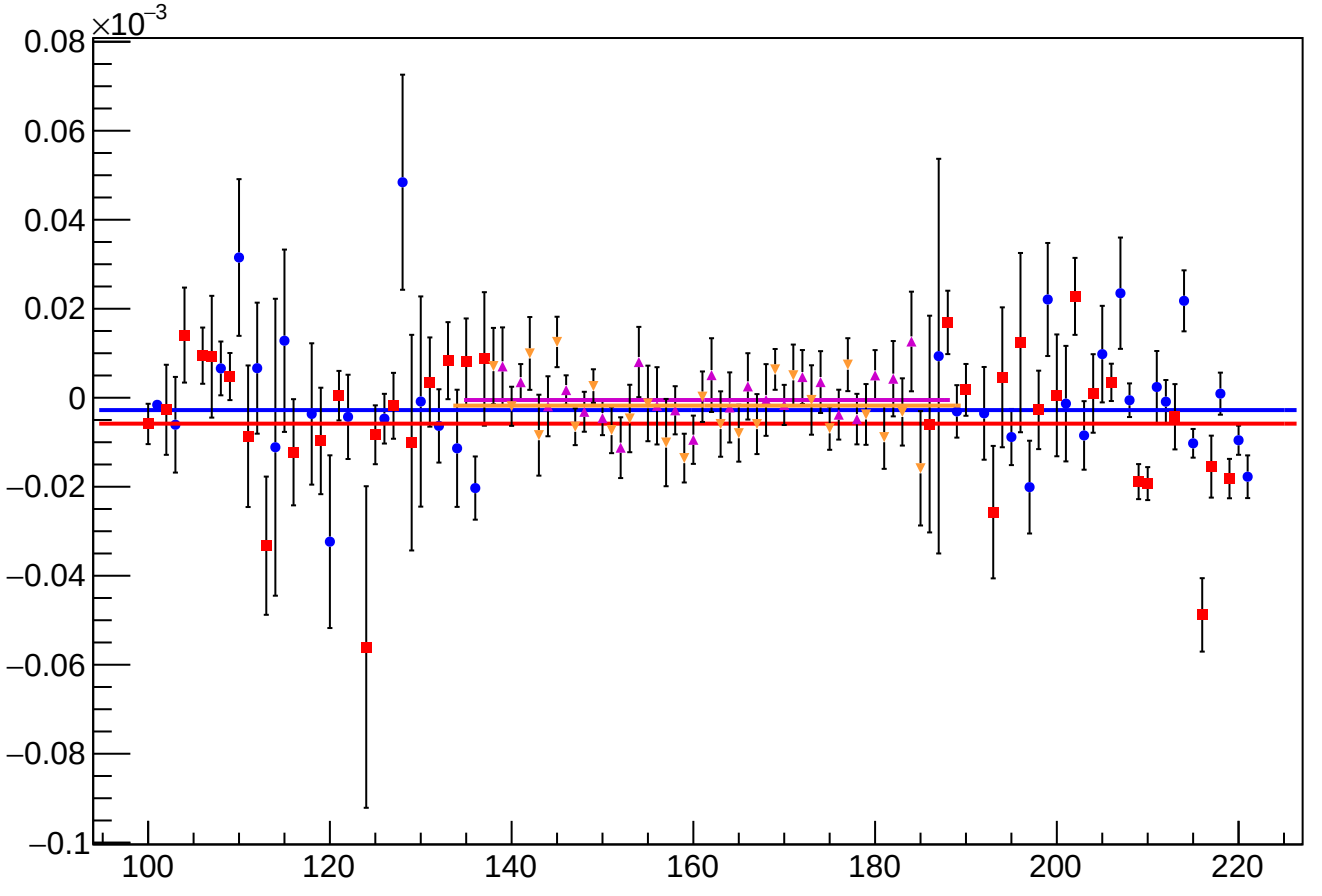
Right Out: 96.907+/-0.016 χ^2/NDF: 1995229.1/35

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 102.296+/-0.012 χ^2/NDF: 3831816.8/58

All: 103.144+/-0.008 χ^2/NDF: 7632994.6/117

- sign 104.058+/-0.012 χ^2/NDF: 3790414.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 69.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 121.1/35

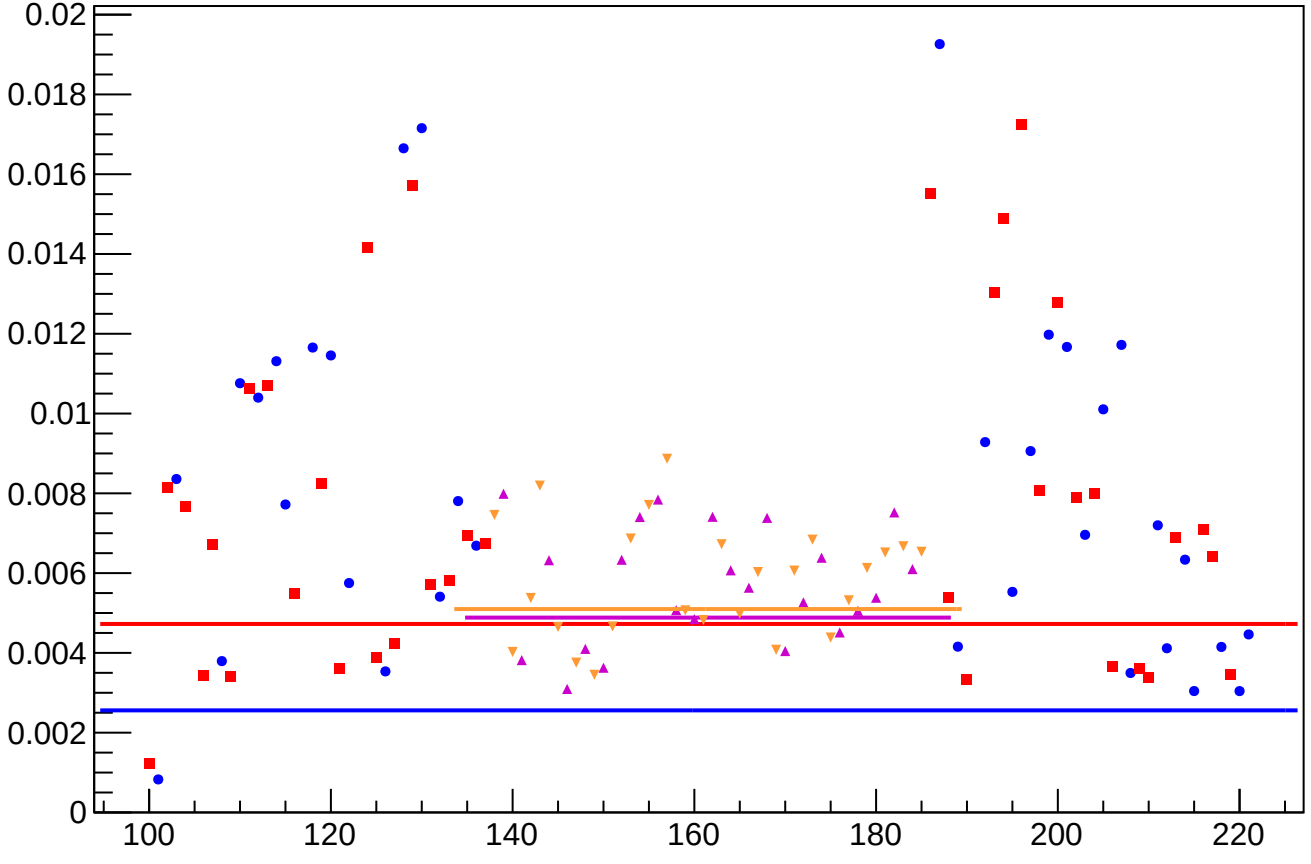
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 101.4/58

All: -0.000+/-0.000 χ^2/NDF: 248.2/117

\- sign -0.000+/-0.000 χ^2/NDF: 146.4/58

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 20946446.6/33

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8896548.1/35

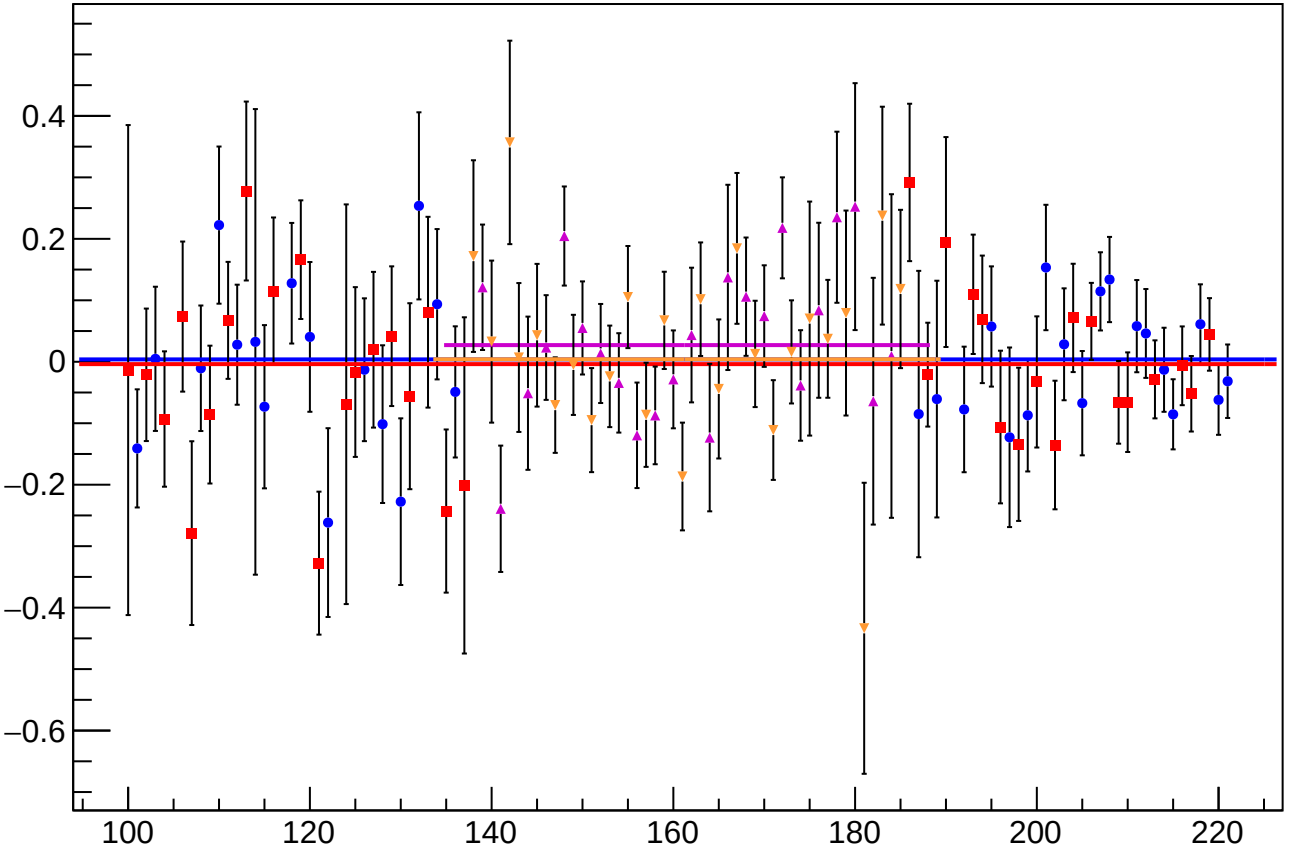
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 29487364.2/58

All: 0.004+/-0.000 χ^2/NDF: 44930293.4/117

- sign 0.005+/-0.000 χ^2/NDF: 11639400.1/58

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

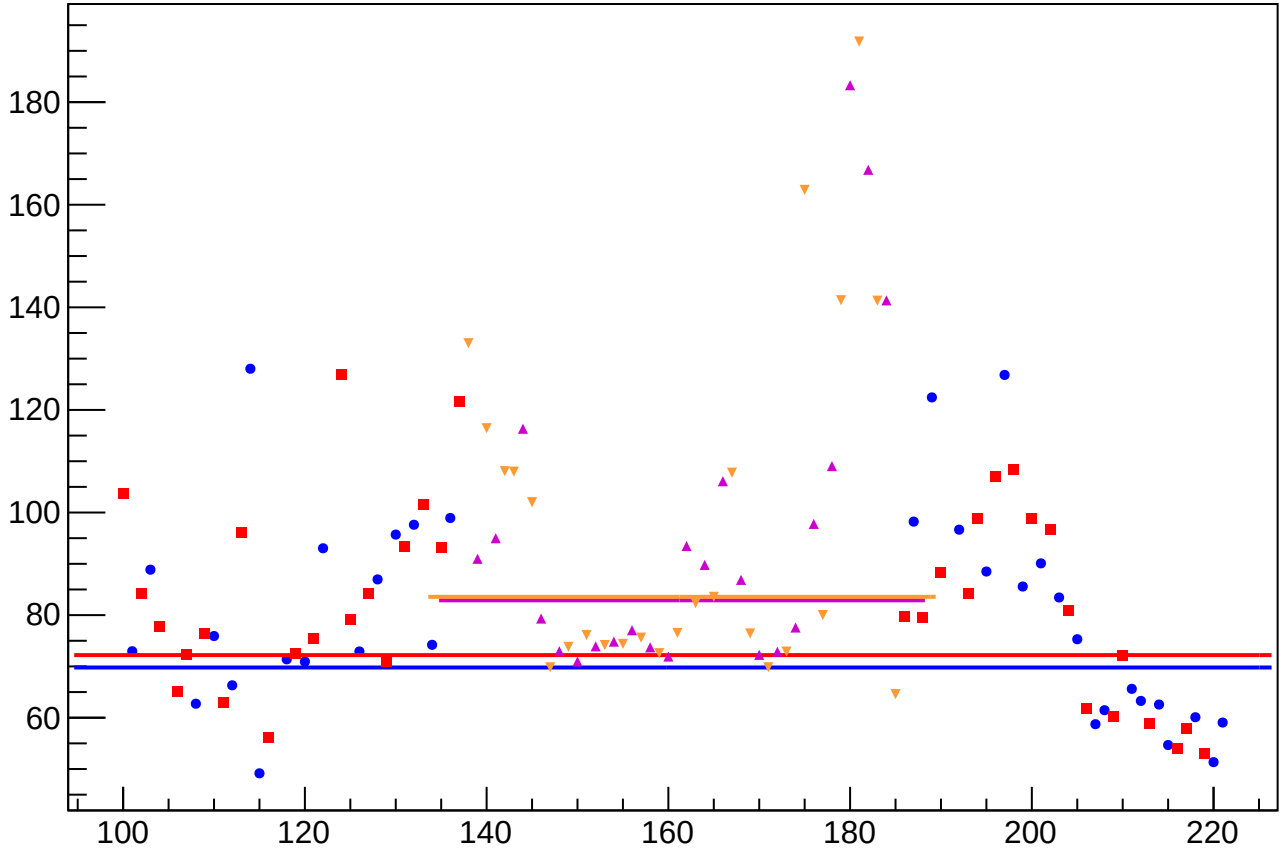
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.006+/-0.009 χ^2/NDF: 139.6/117

- sign 0.008+/-0.013 χ^2/NDF: 75.8/58

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.790+/-0.011 χ^2/NDF: 2025248.2/33

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

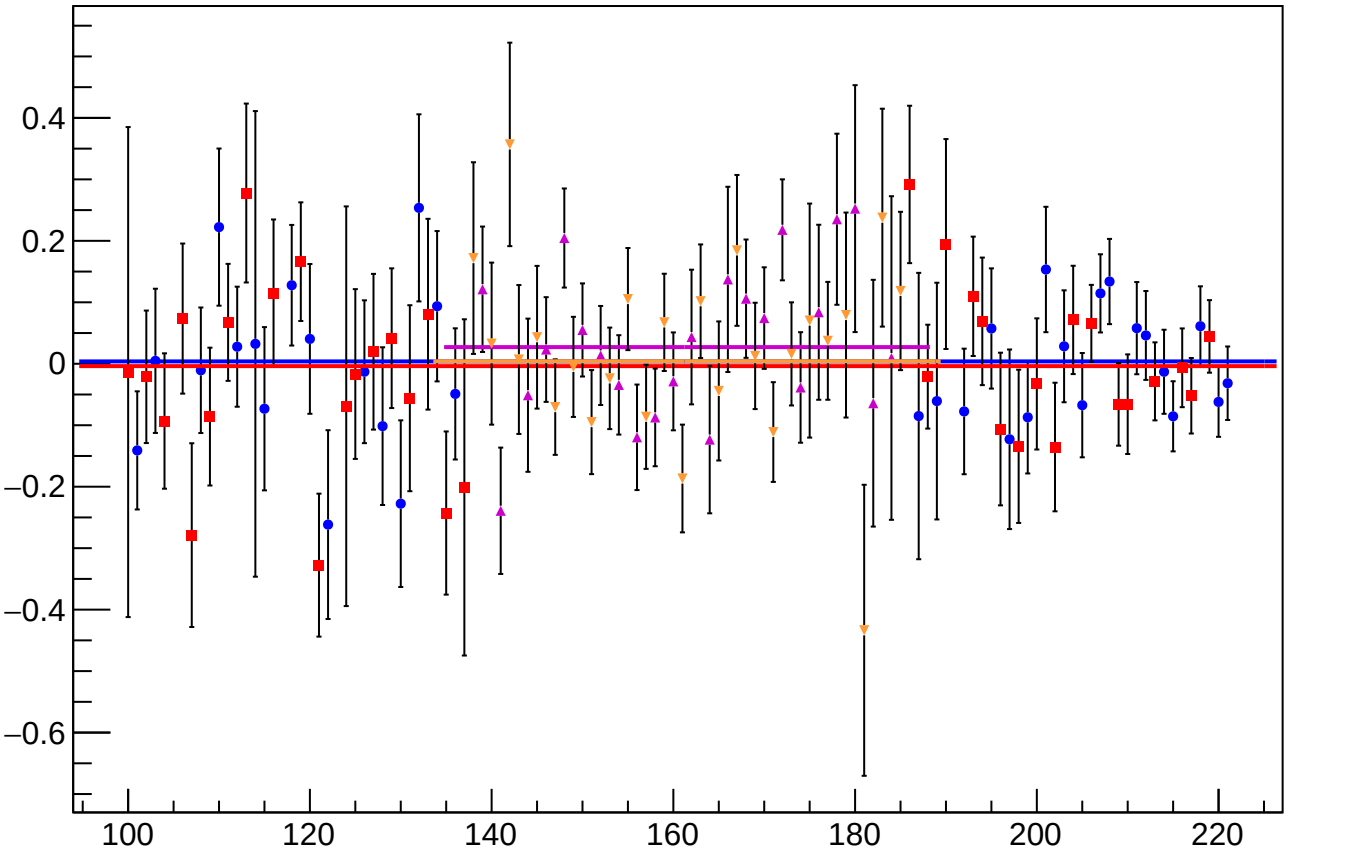
Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 74.952+/-0.009 χ^2/NDF: 4773850.3/58

All: 75.647+/-0.006 χ^2/NDF: 8625327.1/117

- sign 76.392+/-0.009 χ^2/NDF: 3838498.1/58



Right In: 0.004+/-0.016 χ^2/NDF: 35.6/33

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

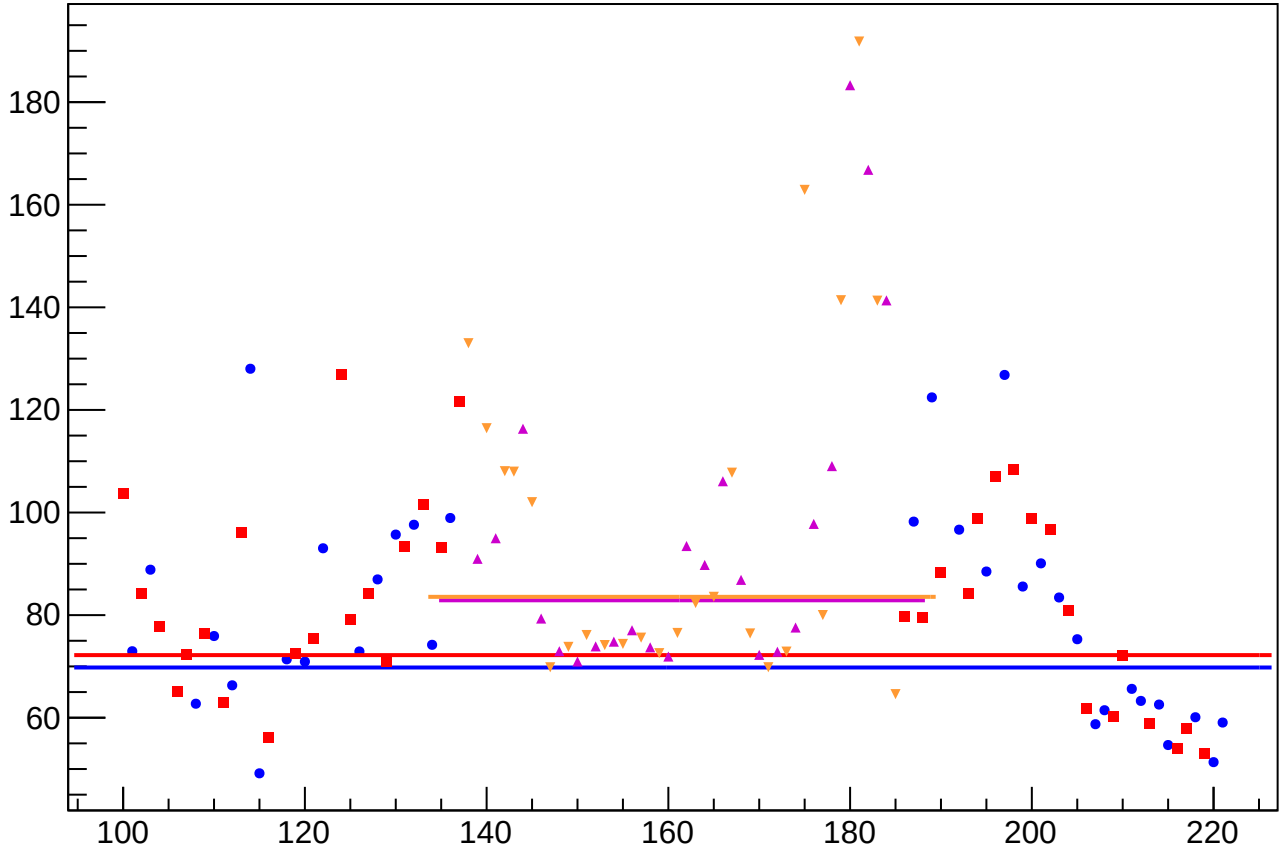
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.004+/-0.012 χ^2/NDF: 63.8/58

All: 0.006+/-0.009 χ^2/NDF: 139.6/117

- sign 0.008+/-0.013 χ^2/NDF: 75.8/58

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.790+/-0.011 χ^2/NDF: 2025248.2/33

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

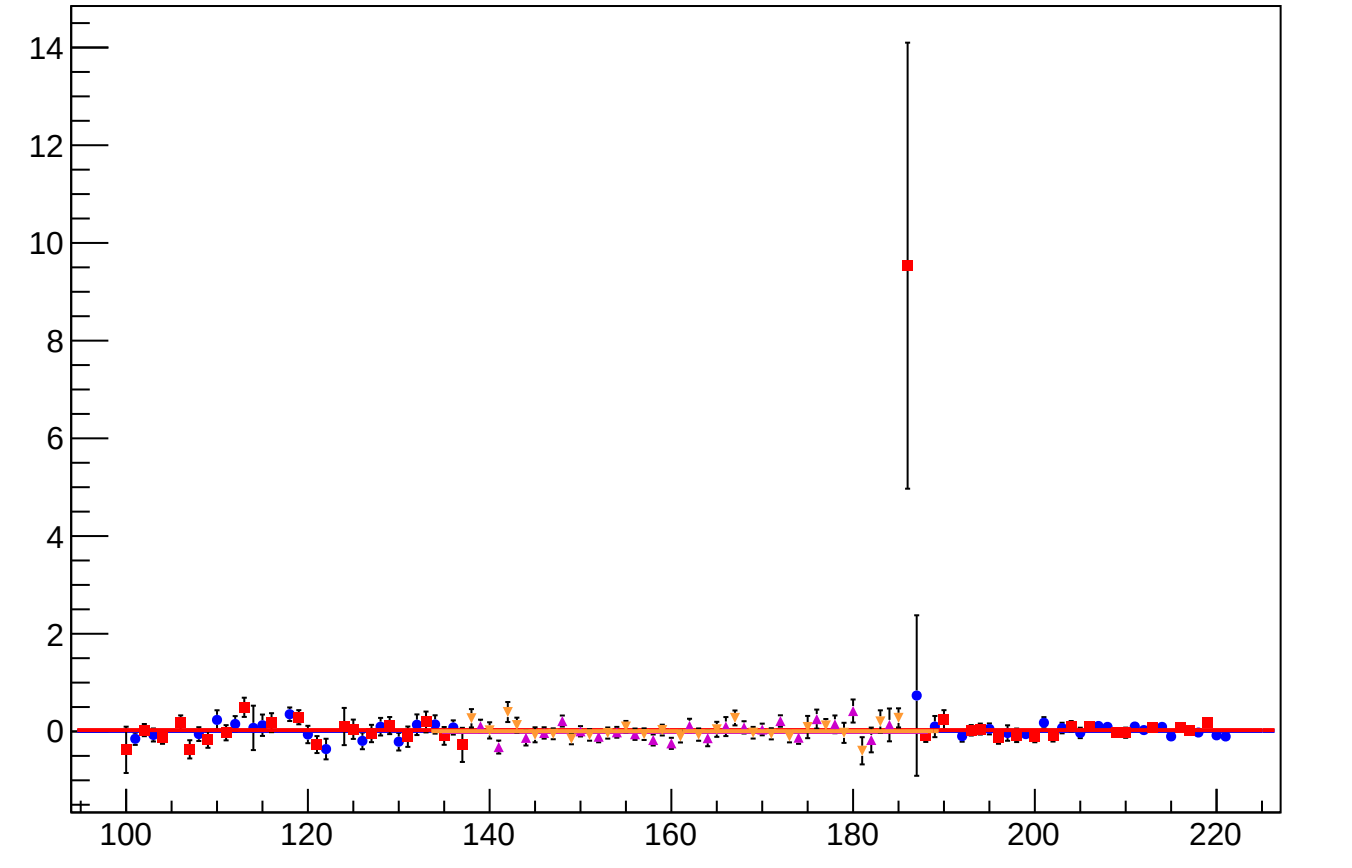
Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

\+ sign 74.952+/-0.009 χ^2/NDF: 4773850.3/58

All: 75.647+/-0.006 χ^2/NDF: 8625327.1/117

\- sign 76.392+/-0.009 χ^2/NDF: 3838498.1/58



Right In: 0.011+/-0.021 χ^2/NDF: 32.0/33

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.028+/-0.022 χ^2/NDF: 40.4/35

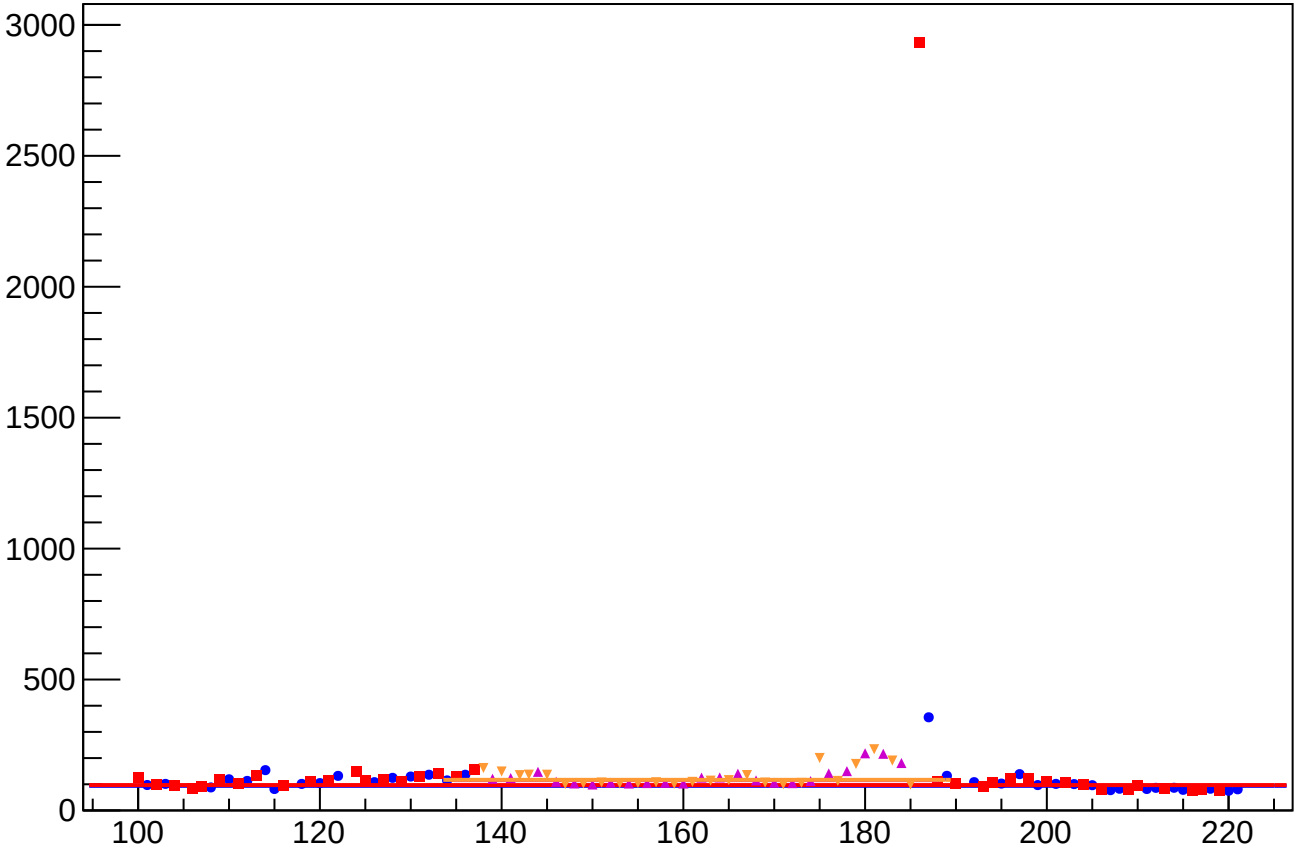
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.017 χ^2/NDF: 53.3/58

All: 0.011+/-0.012 χ^2/NDF: 126.2/117

- sign 0.014+/-0.017 χ^2/NDF: 72.9/58

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 94.075+/-0.015 χ^2/NDF: 1371688.3/33

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

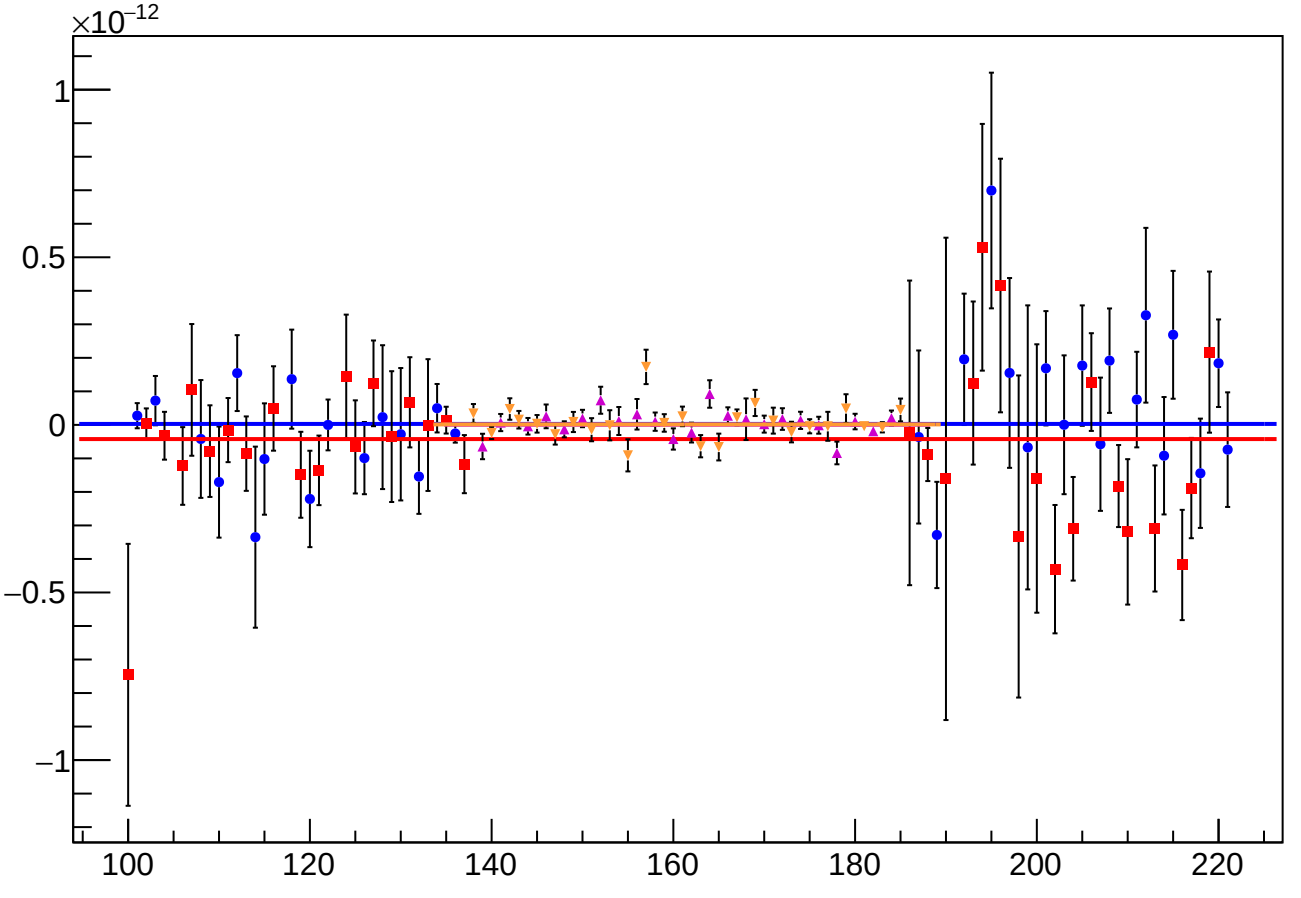
Right Out: 96.907+/-0.016 χ^2/NDF: 1995170.3/35

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 102.296+/-0.012 χ^2/NDF: 3831675.4/58

All: 103.145+/-0.008 χ^2/NDF: 7632811.8/117

- sign 104.058+/-0.012 χ^2/NDF: 3790379.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/35

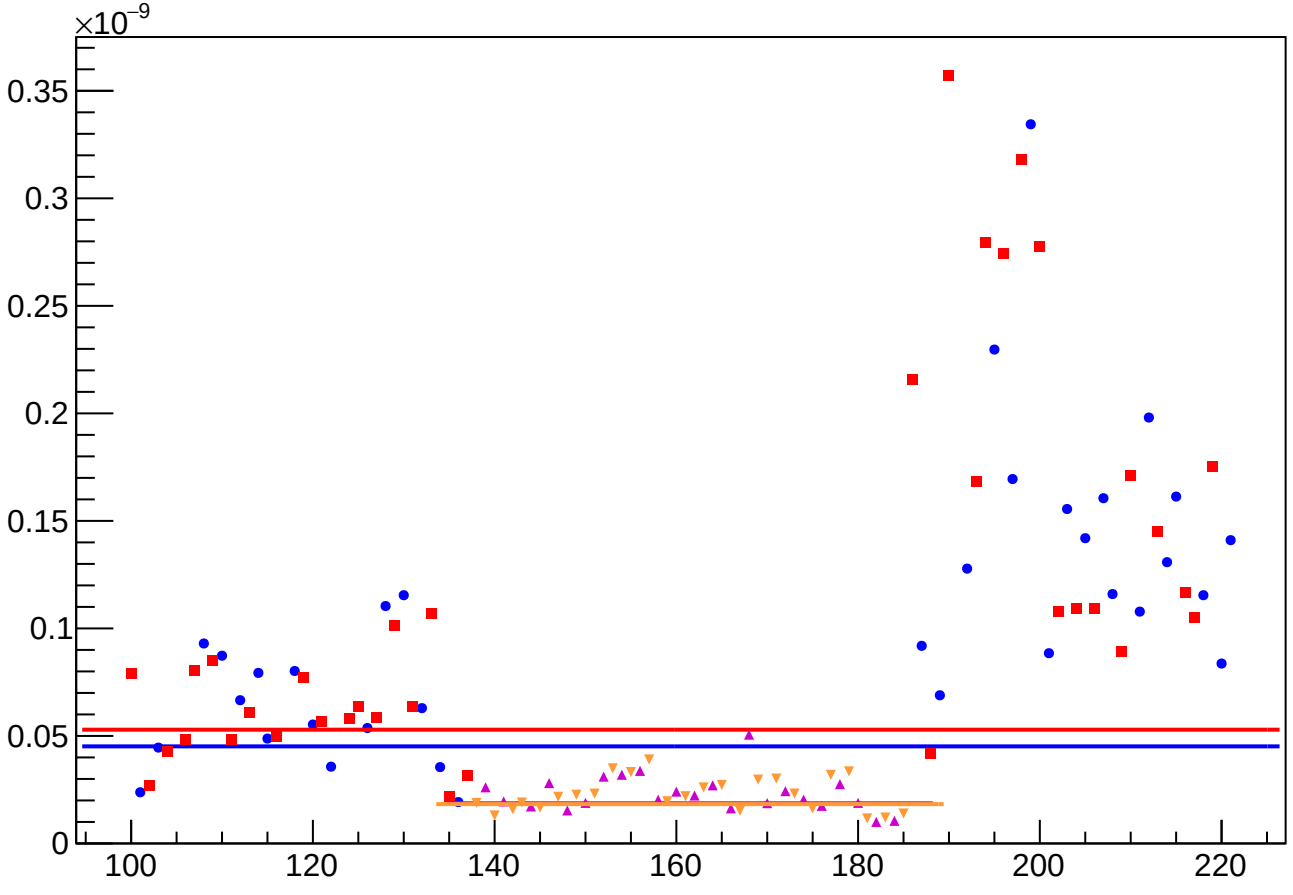
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/58

All: -0.000+/-0.000 χ^2/NDF: 142.1/117

- sign -0.000+/-0.000 χ^2/NDF: 71.2/58

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11702352.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

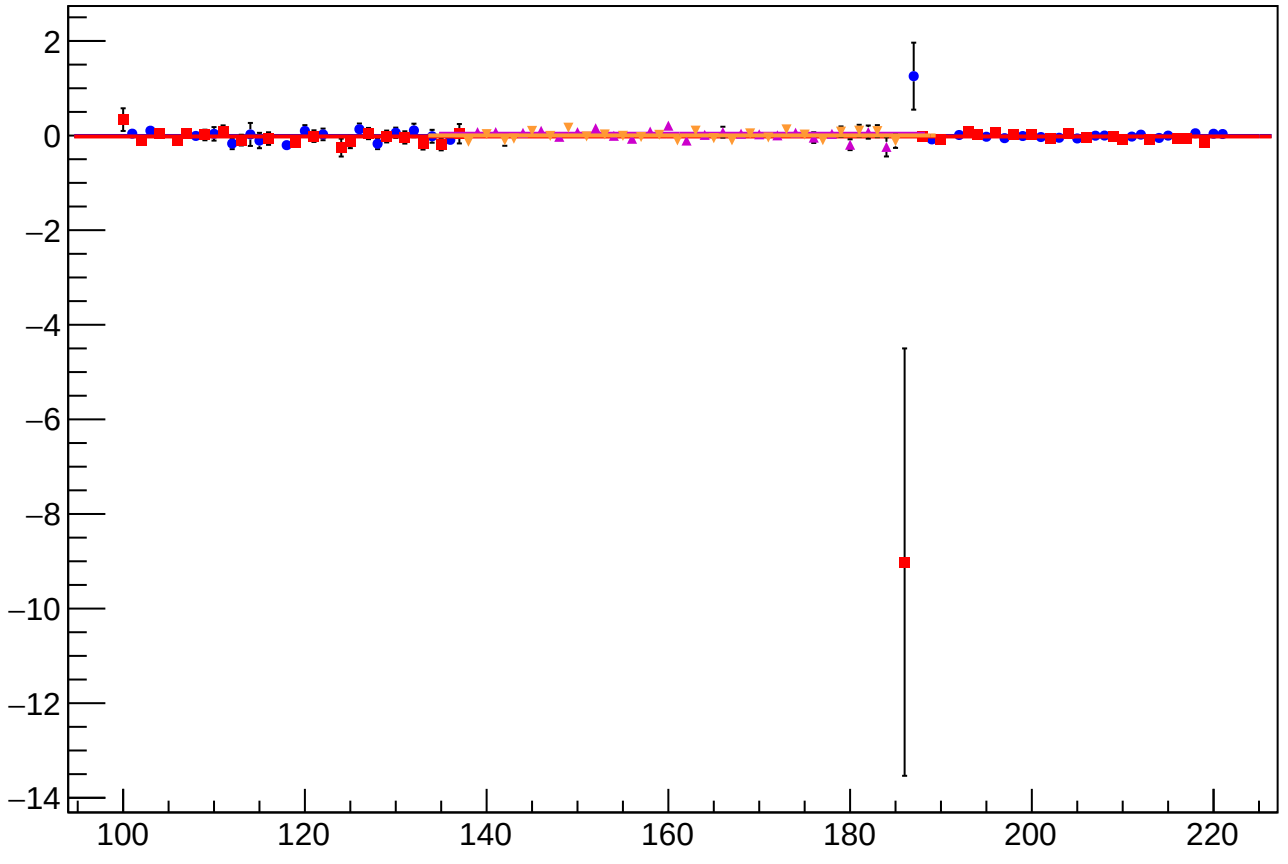
Right Out: 0.000+/-0.000 χ^2/NDF: 9411825.8/35

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19464795.5/58

All: 0.000+/-0.000 χ^2/NDF: 37781710.6/117

- sign 0.000+/-0.000 χ^2/NDF: 18304399.5/58



Right In: -0.009+/-0.011 χ^2/NDF: 27.9/33

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.019+/-0.011 χ^2/NDF: 47.4/35

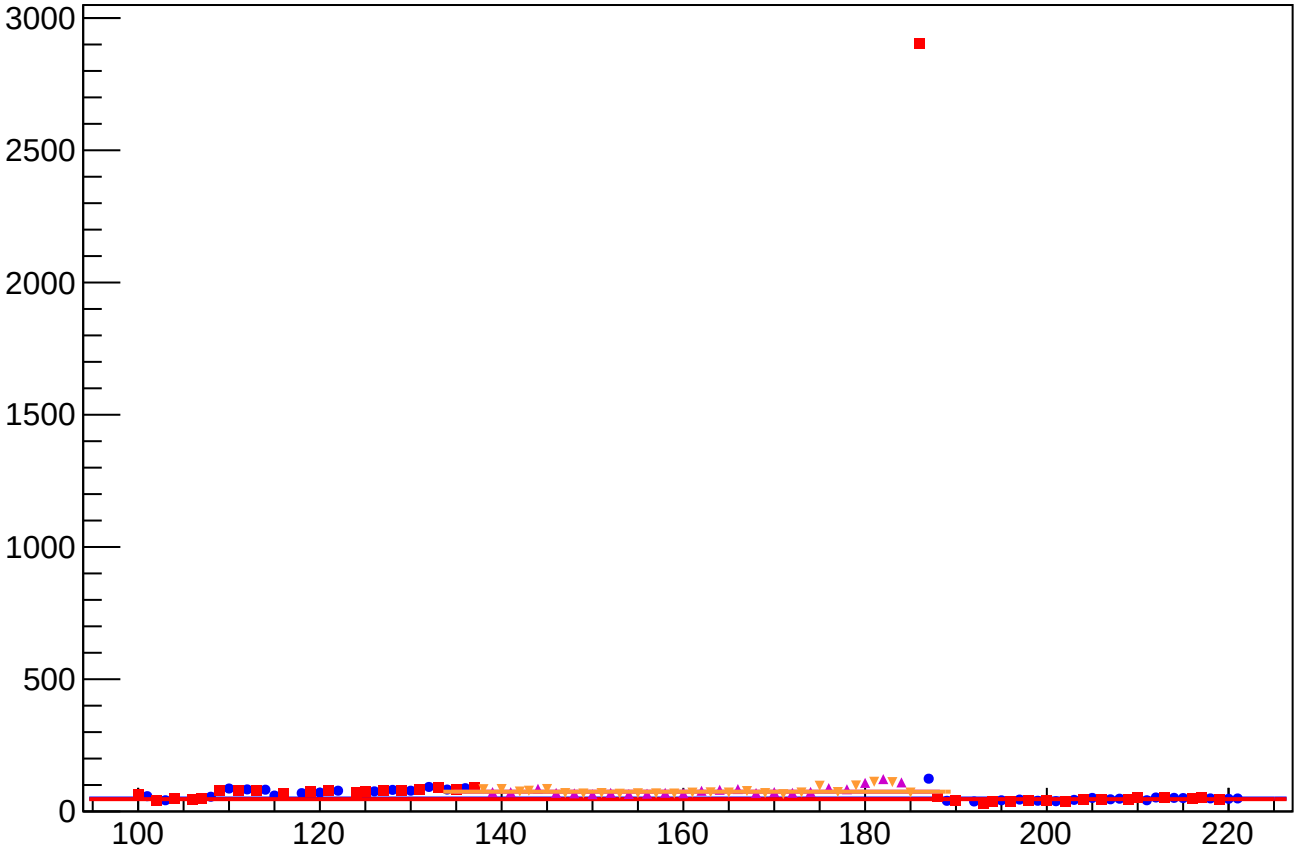
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 49.7/58

All: -0.005+/-0.007 χ^2/NDF: 126.3/117

- sign -0.004+/-0.009 χ^2/NDF: 76.6/58

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.914+/-0.008 χ^2/NDF: 2300290.3/33

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

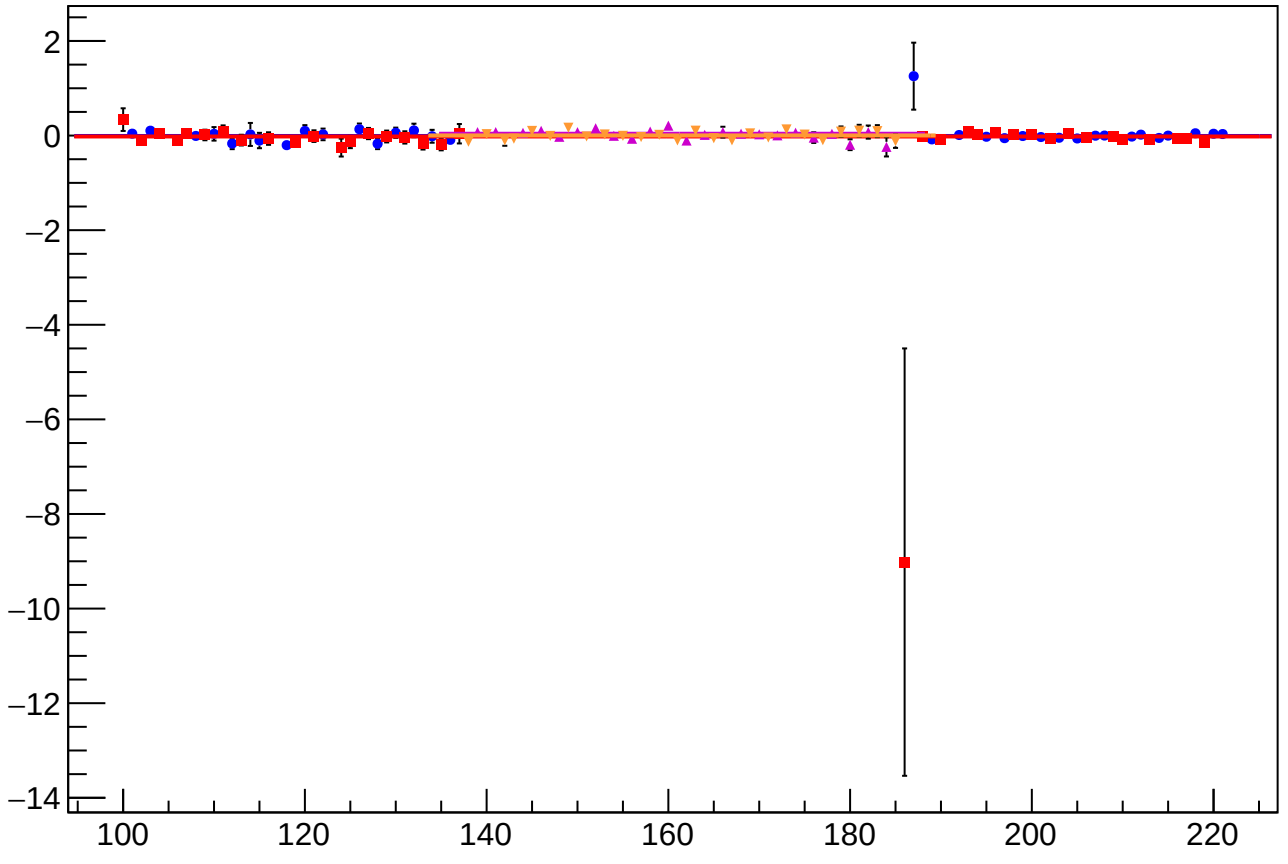
Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.290+/-0.007 χ^2/NDF: 6185504.1/58

All: 55.213+/-0.005 χ^2/NDF: 14245600.1/117

- sign 54.134+/-0.007 χ^2/NDF: 8006518.9/58



Right In: -0.009+/-0.011 χ^2/NDF: 27.9/33

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

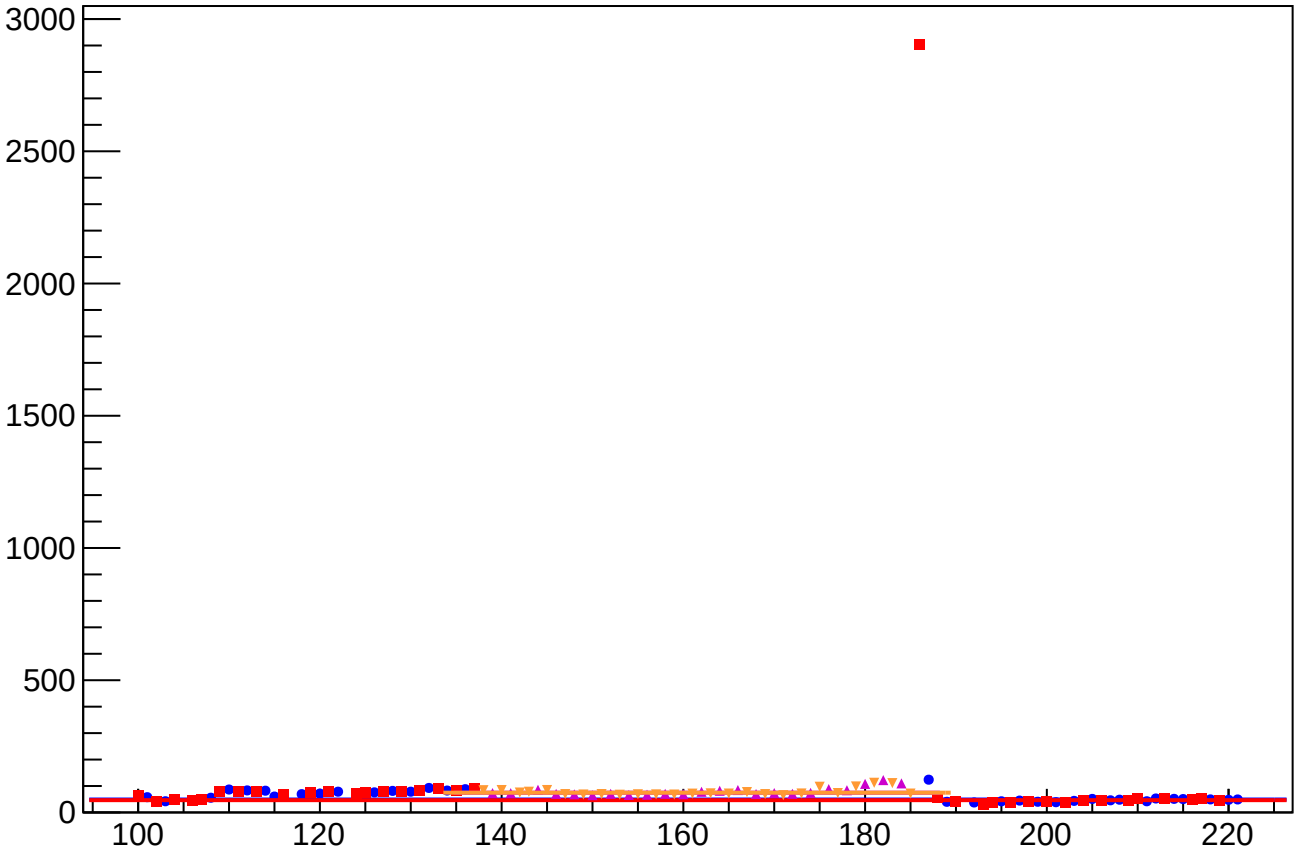
Right Out: -0.019+/-0.011 χ^2/NDF: 47.4/35

Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 49.7/58

All: -0.005+/-0.007 χ^2/NDF: 126.3/117

- sign -0.004+/-0.009 χ^2/NDF: 76.6/58



Right In: 48.914+/-0.008 χ^2/NDF: 2300290.3/33

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

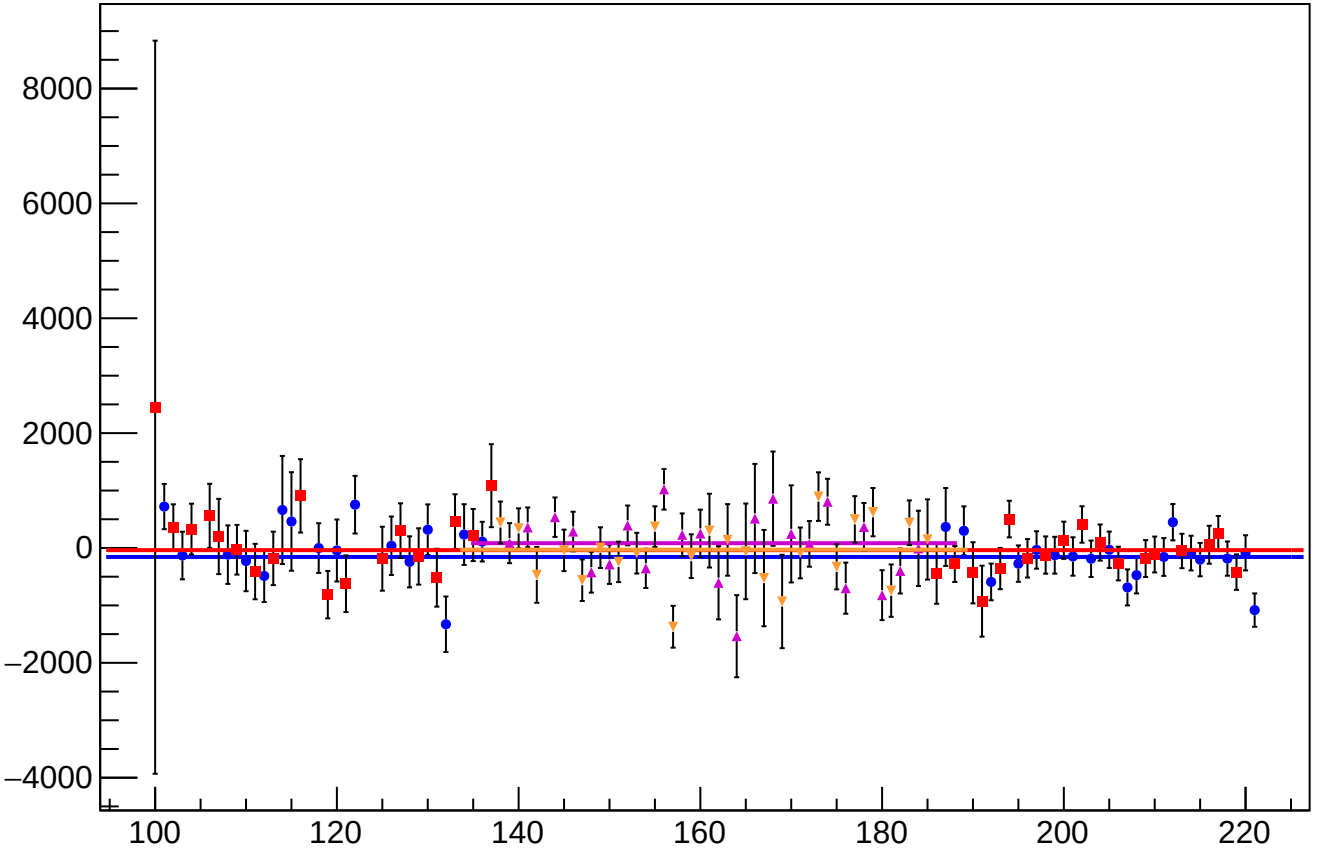
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.290+/-0.007 χ^2/NDF: 6185504.1/58

All: 55.213+/-0.005 χ^2/NDF: 14245600.1/117

- sign 54.134+/-0.007 χ^2/NDF: 8006518.9/58

asym_dsl_mean vs Slug



Right In: -156.603+/-64.352 χ^2/NDF: 40.4/33

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -37.930+/-66.004 χ^2/NDF: 29.9/35

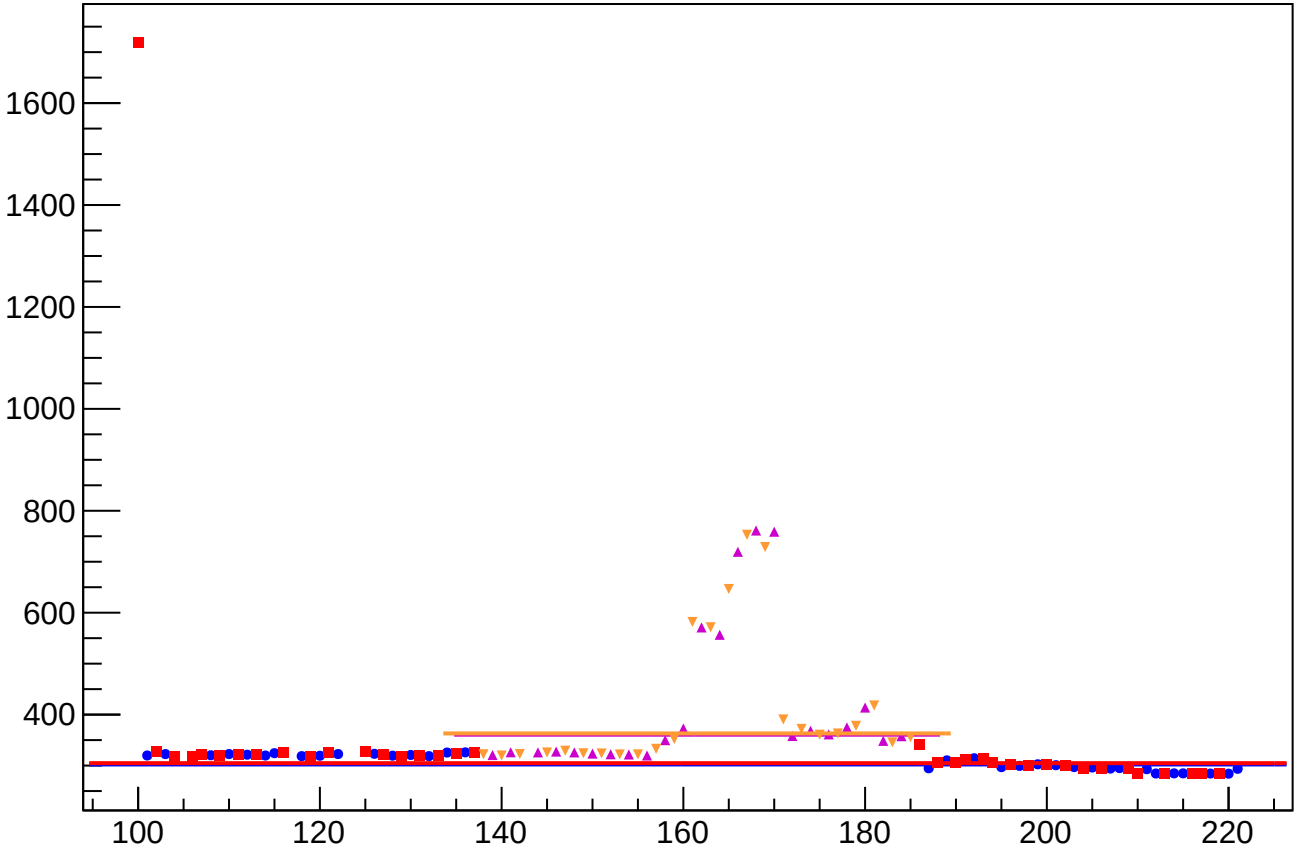
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -111.284+/-51.637 χ^2/NDF: 78.4/57

All: -53.158+/-36.803 χ^2/NDF: 148.0/116

- sign 6.851+/-52.467 χ^2/NDF: 67.0/58

asym_dsl_rms vs Slug



Right In: 302.182+/-0.046 χ^2/NDF: 99636.0/33

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 304.738+/-0.047 χ^2/NDF: 203334.0/35

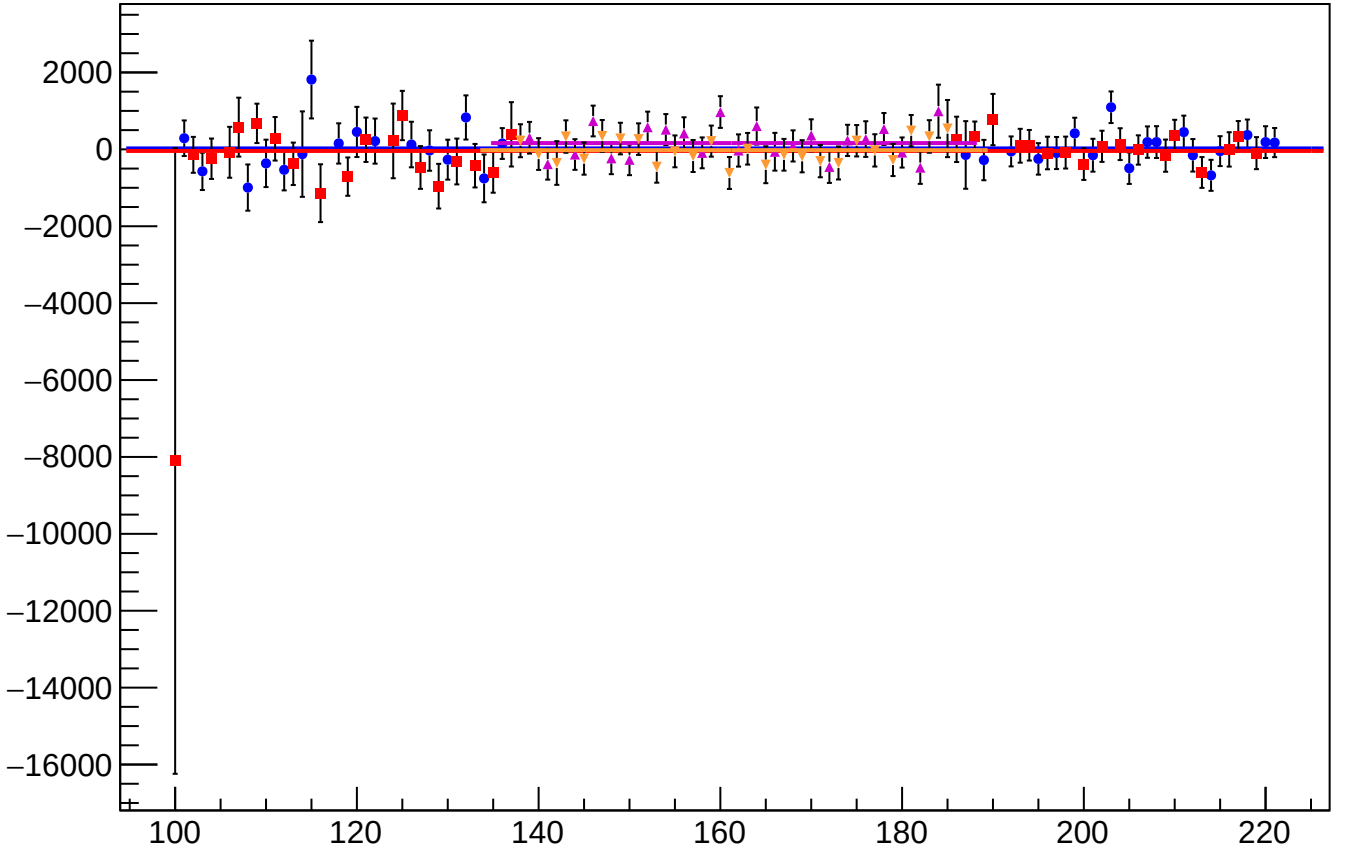
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 323.869+/-0.037 χ^2/NDF: 2533029.5/57

All: 324.571+/-0.026 χ^2/NDF: 5081892.9/116

- sign 325.296+/-0.037 χ^2/NDF: 2548110.9/58

asym_dsr_mean vs Slug



Right In: 23.973+/-81.193 χ^2/NDF: 29.9/33

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -41.180+/-82.860 χ^2/NDF: 23.6/35

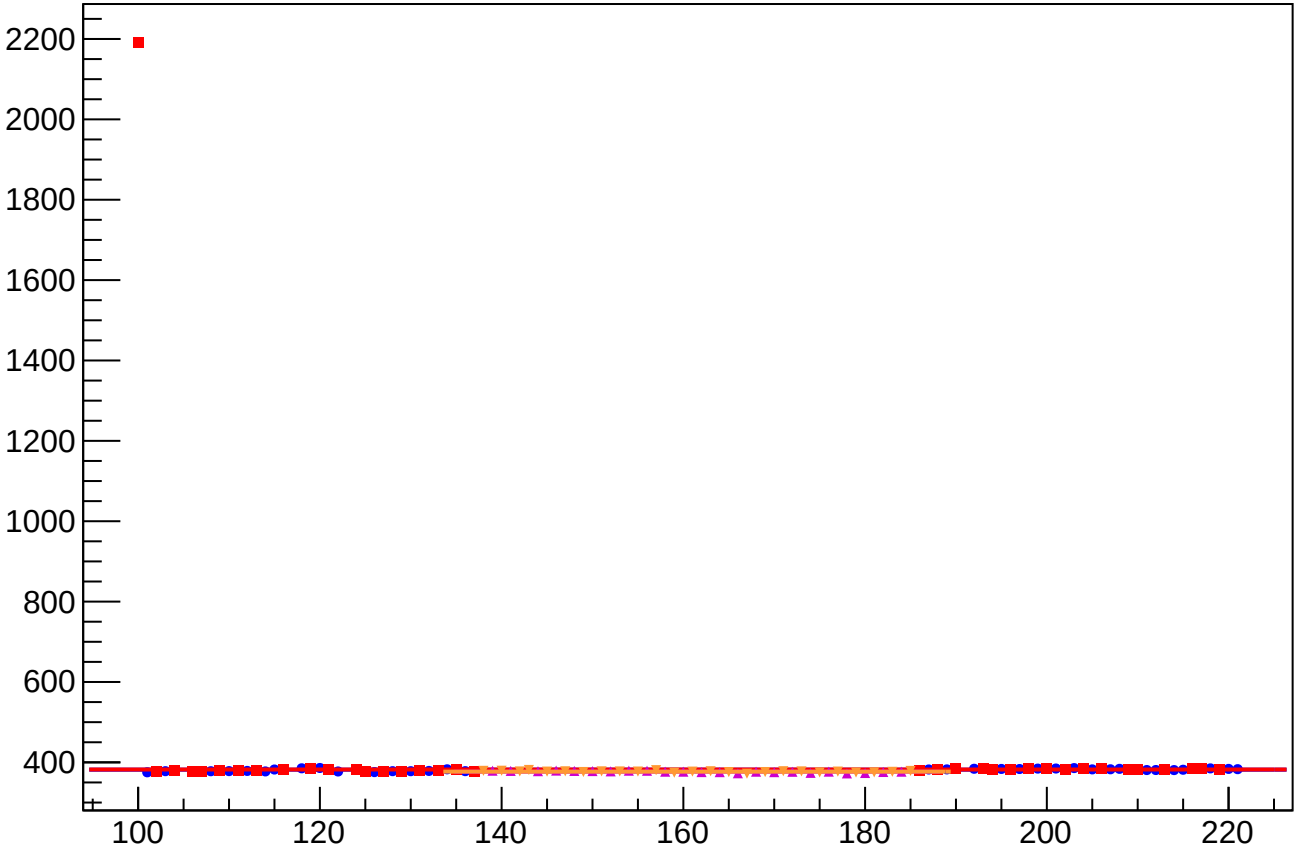
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign 2.650+/-58.915 χ^2/NDF: 42.7/58

All: 28.099+/-42.148 χ^2/NDF: 91.3/117

- sign 54.779+/-60.323 χ^2/NDF: 48.2/58

asym_dsr_rms vs Slug



Right In: 381.743+/-0.057 χ^2/NDF: 2475.5/33

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

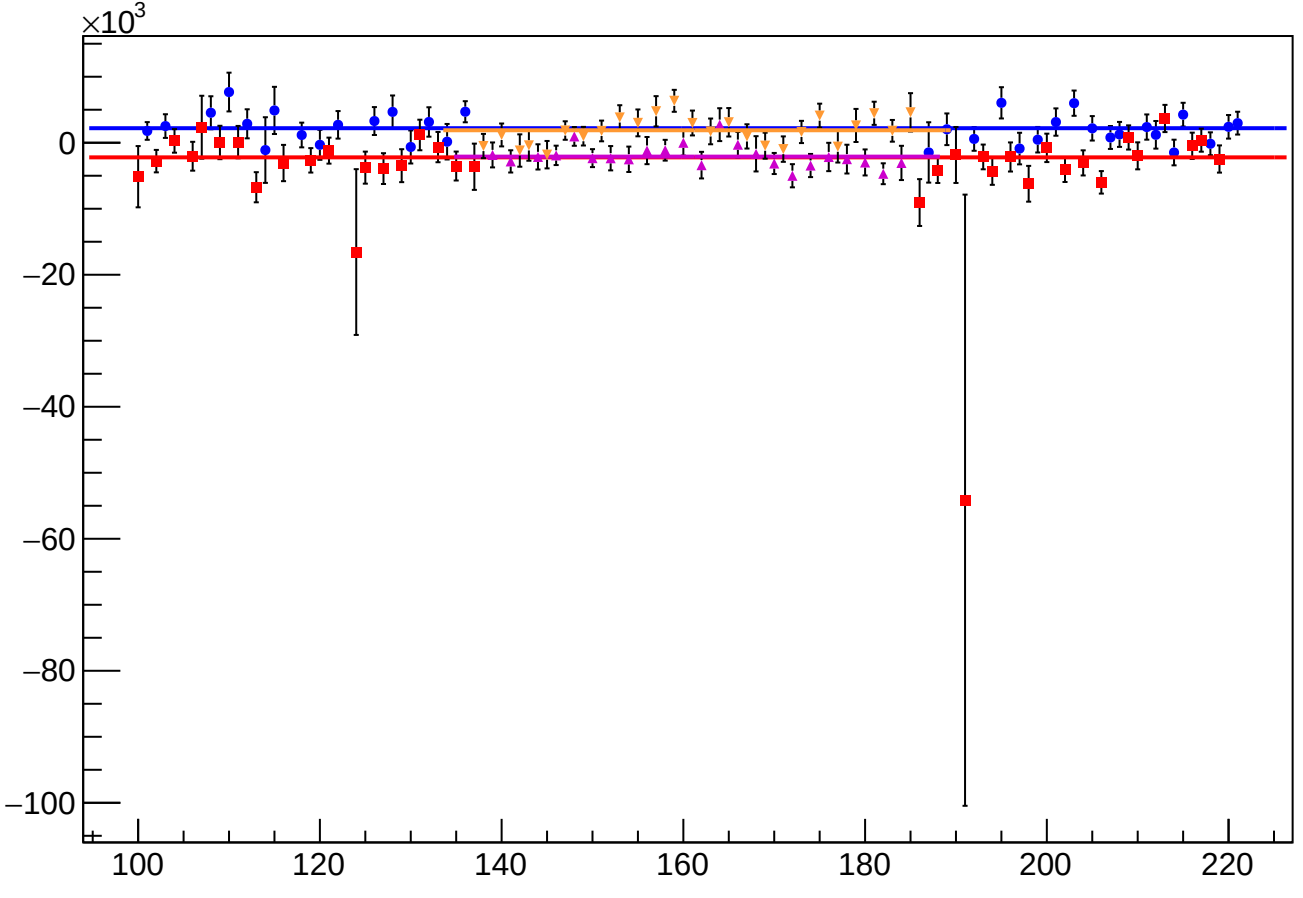
Right Out: 382.186+/-0.059 χ^2/NDF: 100817.8/35

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 379.453+/-0.042 χ^2/NDF: 6895.4/58

All: 379.562+/-0.030 χ^2/NDF: 112705.8/117

- sign 379.676+/-0.043 χ^2/NDF: 105796.3/58



Right In: 2201.633+/-351.896 χ^2/NDF: 31.7/33

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2216.382+/-369.821 χ^2/NDF: 44.7/36

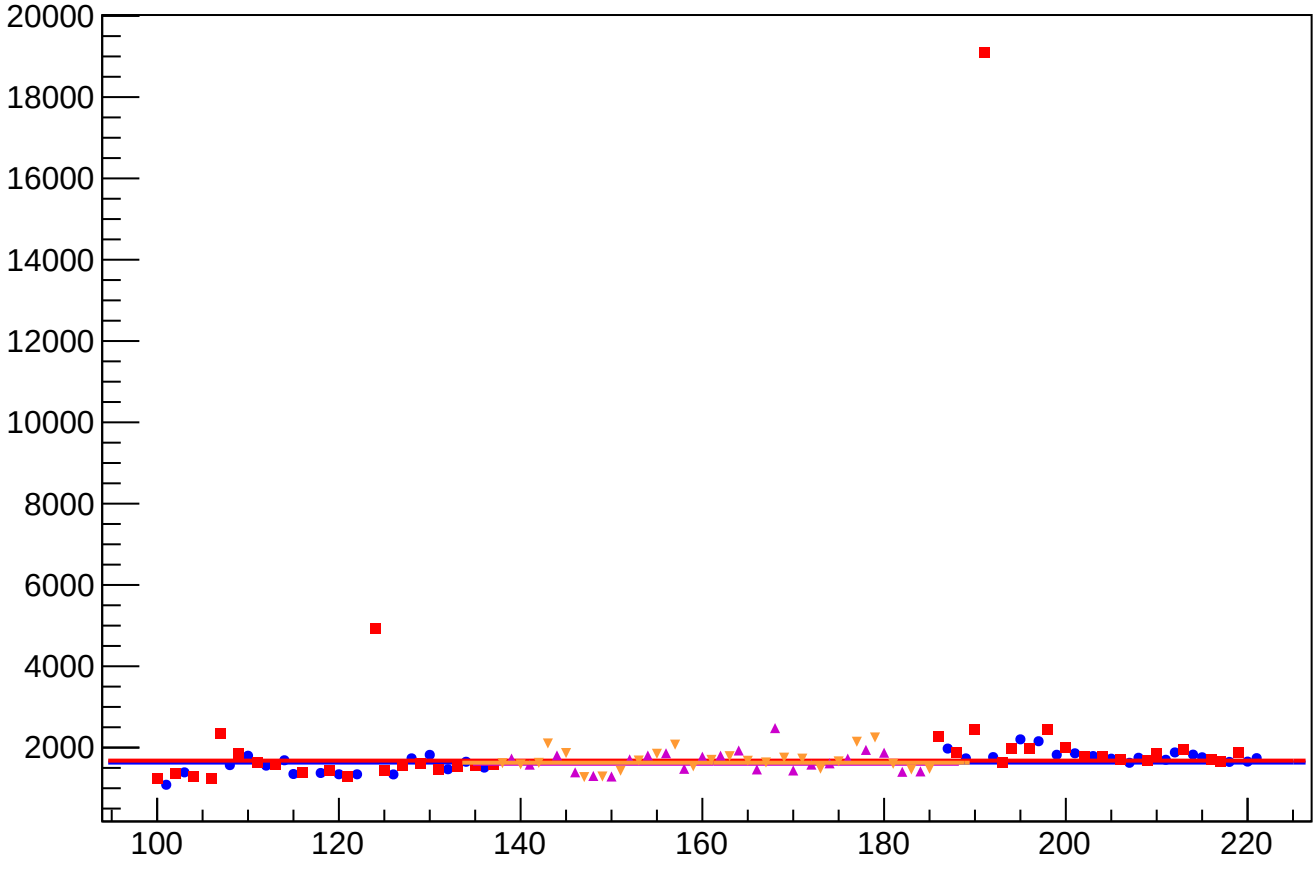
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2056.394+/-256.700 χ^2/NDF: 60.5/58

All: 11.822+/-184.280 χ^2/NDF: 254.7/118

- sign -2162.266+/-264.706 χ^2/NDF: 63.3/59

asym_us_agg_avg_rms vs Slug



Right In: 1631.087+/-0.249 χ^2/NDF: 954769.1/33

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1679.366+/-0.262 χ^2/NDF: 1442148.9/36

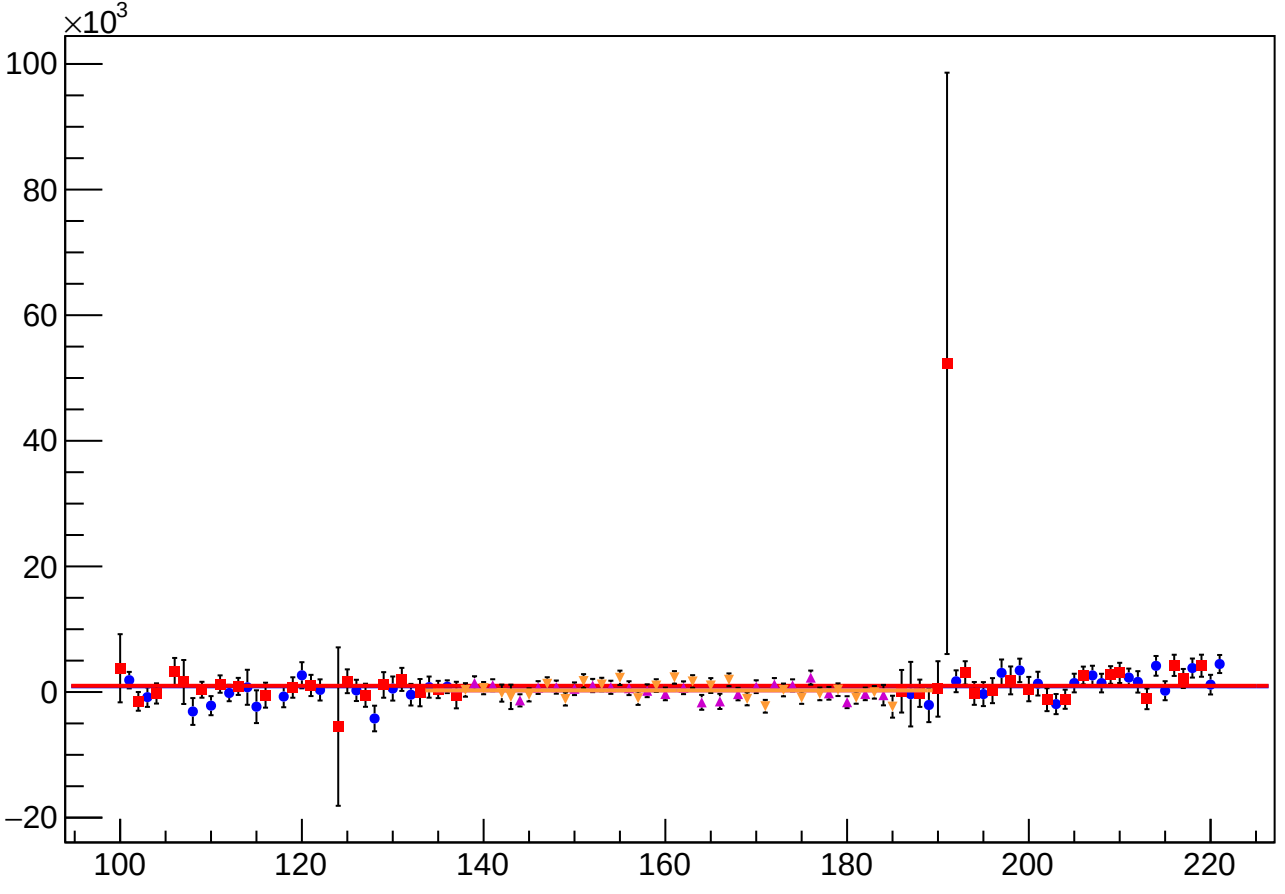
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1629.867+/-0.182 χ^2/NDF: 1733915.2/58

All: 1635.452+/-0.130 χ^2/NDF: 4014983.5/11

- sign 1641.391+/-0.187 χ^2/NDF: 2279114.8/59

asym_us_agg_dd_mean vs Slug



Right In: 907.592+/-285.849 χ^2/NDF: 45.4/33

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 991.119+/-299.030 χ^2/NDF: 28.7/36

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

+ sign 495.455+/-171.804 χ^2/NDF: 82.5/58

All: 506.388+/-122.937 χ^2/NDF: 136.4/118

- sign 517.859+/-175.991 χ^2/NDF: 53.9/59

asym_us_agg_dd_rms vs Slug

Right In: 1313.278+/-0.202 χ^2/NDF: 1831862.7/33

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1338.050+/-0.211 χ^2/NDF: 2773946.0/36

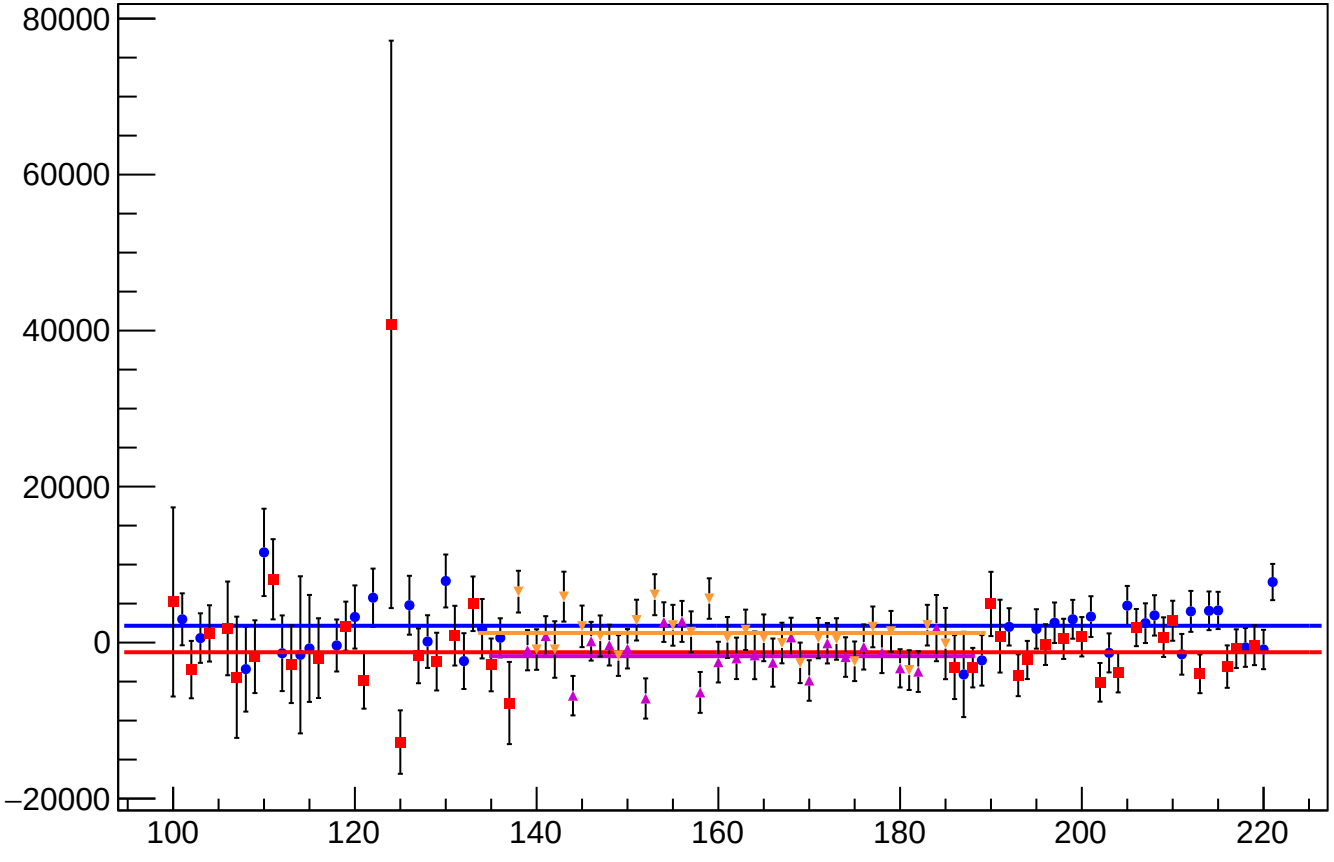
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1075.489+/-0.121 χ^2/NDF: 4416279.5/58

All: 1073.963+/-0.087 χ^2/NDF: 9655047.6/11

- sign 1072.362+/-0.124 χ^2/NDF: 5238444.8/59

reg_asym_atl1_mean vs Slug



Right In: 2155.950+/-514.914 χ^2/NDF: 31.3/33

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1237.681+/-532.494 χ^2/NDF: 37.8/36

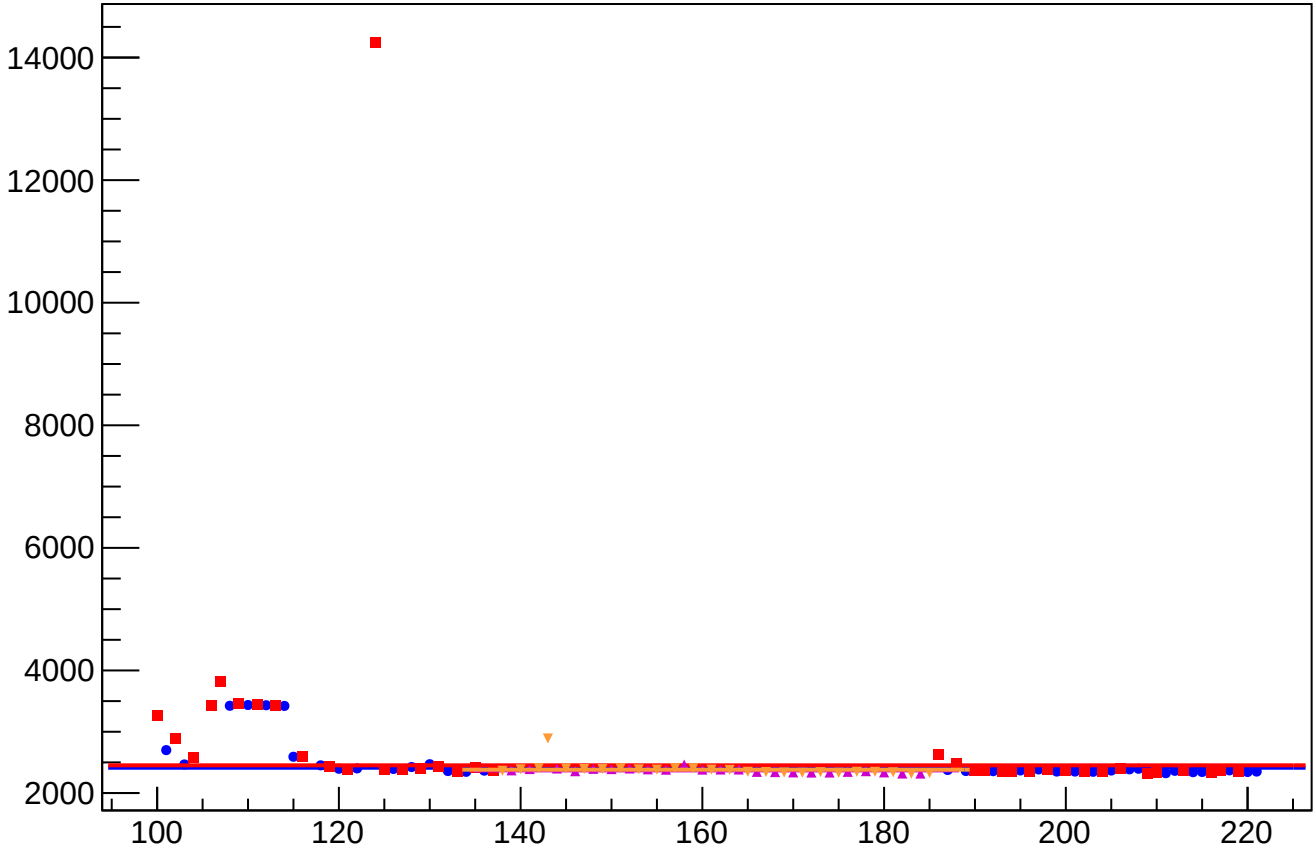
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1718.330+/-373.075 χ^2/NDF: 56.7/58

All: 163.857+/-267.468 χ^2/NDF: 155.1/118

- sign -1480.072+/-383.660 χ^2/NDF: 62.6/59

reg_asym_atl1_rms vs Slug



Right In: 2413.028+/-0.364 χ^2/NDF: 281090.4/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.166+/-0.377 χ^2/NDF: 660376.1/36

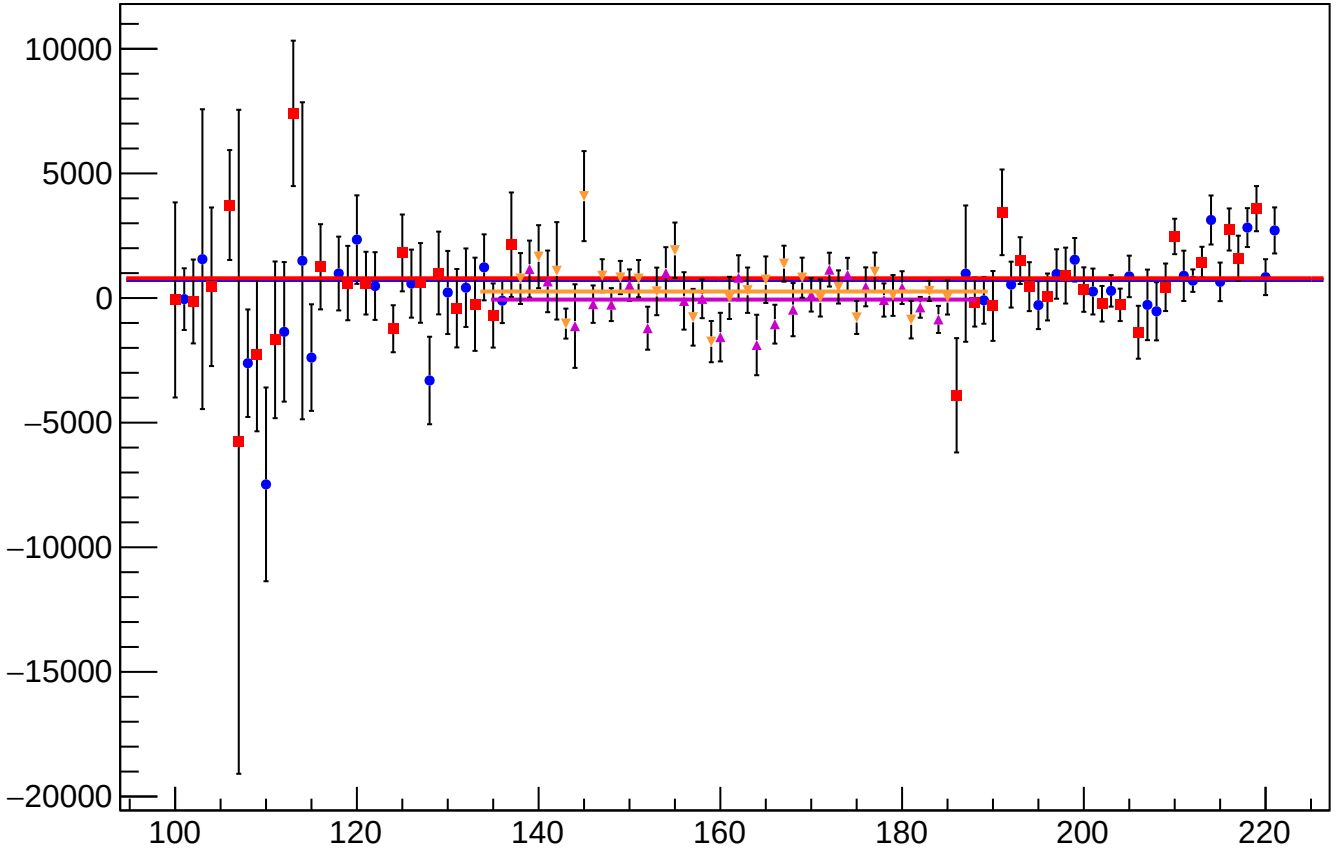
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2397.925+/-0.264 χ^2/NDF: 342335.7/58

All: 2404.939+/-0.189 χ^2/NDF: 1034444.1/11

- sign 2412.357+/-0.271 χ^2/NDF: 690653.9/59

asym_atl1_reg_correction_mean vs Slug



Right In: 726.115+/-177.786 χ^2/NDF: 40.4/33

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

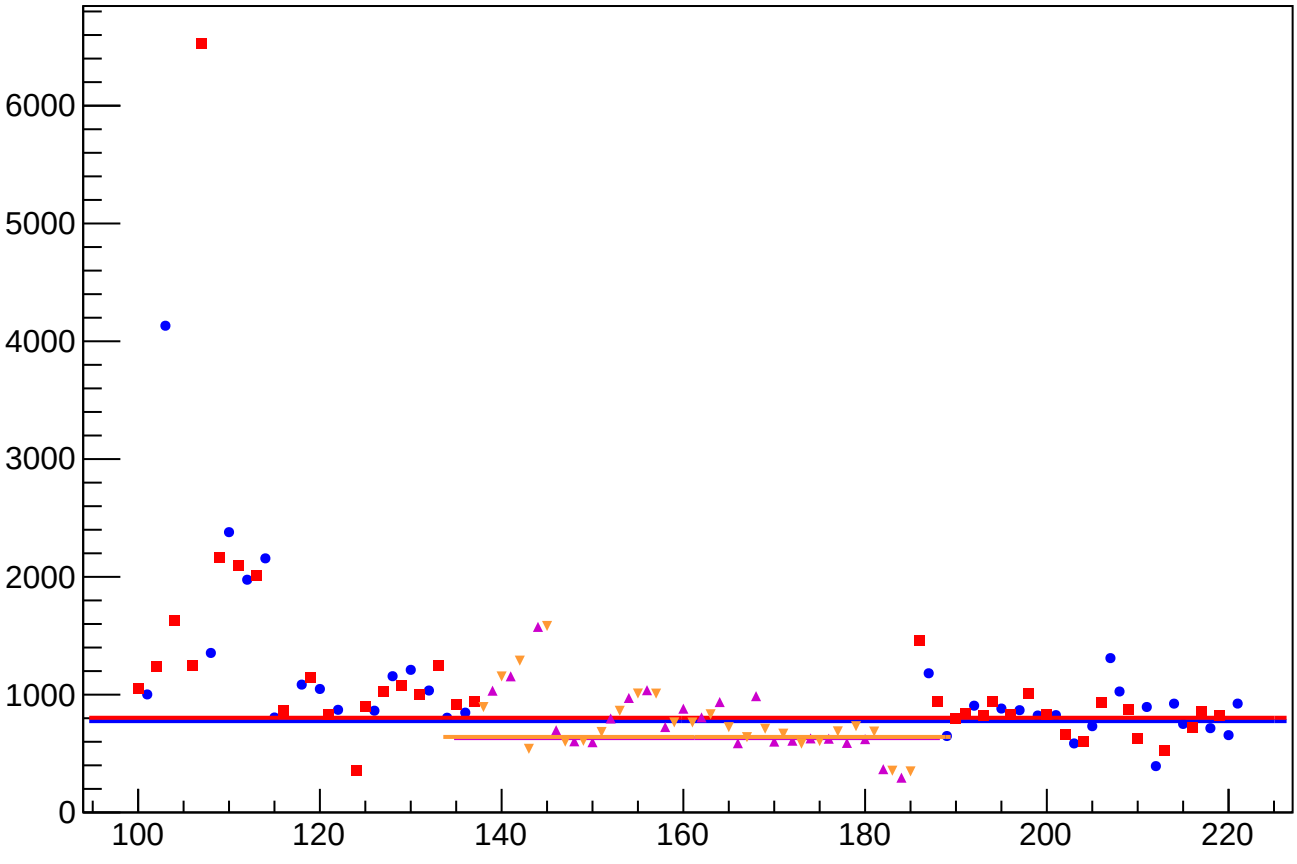
Right Out: 792.431+/-187.308 χ^2/NDF: 58.1/36

Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 460.898+/-116.406 χ^2/NDF: 75.4/58

All: 379.194+/-83.721 χ^2/NDF: 168.8/118

- sign 291.644+/-120.500 χ^2/NDF: 92.3/59



Right In: 775.208+/-0.126 χ^2/NDF: 4456500.3/33

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.960+/-0.132 χ^2/NDF: 3810557.9/36

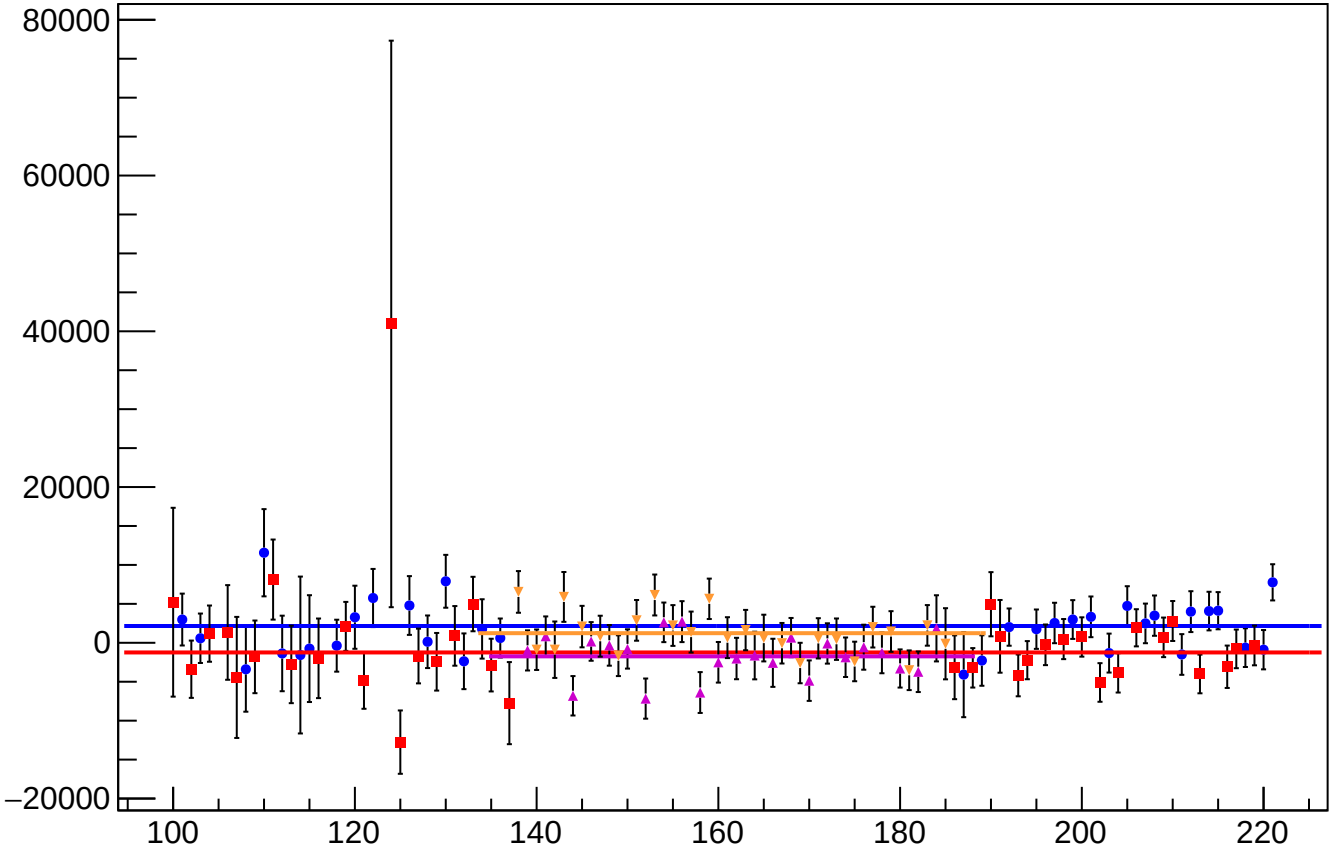
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 698.625+/-0.082 χ^2/NDF: 8580955.5/58

All: 700.592+/-0.059 χ^2/NDF: 17365394.2/11

- sign 702.699+/-0.085 χ^2/NDF: 8783256.6/59

cor_asym_atl1_mean vs Slug



Right In: 2156.104+/-514.914 χ^2/NDF: 31.3/33

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1240.477+/-532.542 χ^2/NDF: 37.7/36

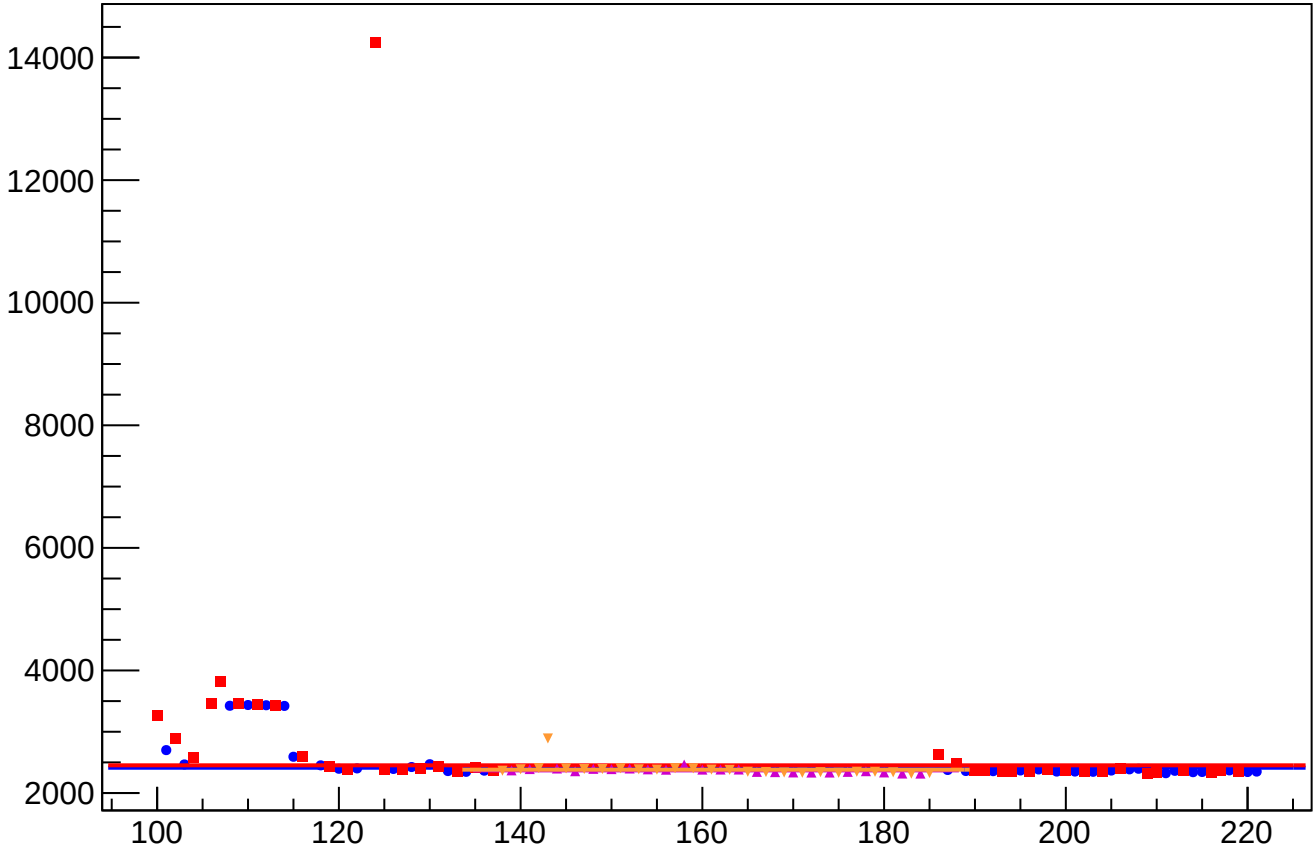
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1718.400+/-373.075 χ^2/NDF: 56.7/58

All: 163.238+/-267.474 χ^2/NDF: 155.0/118

- sign -1481.571+/-383.677 χ^2/NDF: 62.5/59

cor_asym_atl1_rms vs Slug



Right In: 2413.029+/-0.364 χ^2/NDF: 281090.5/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

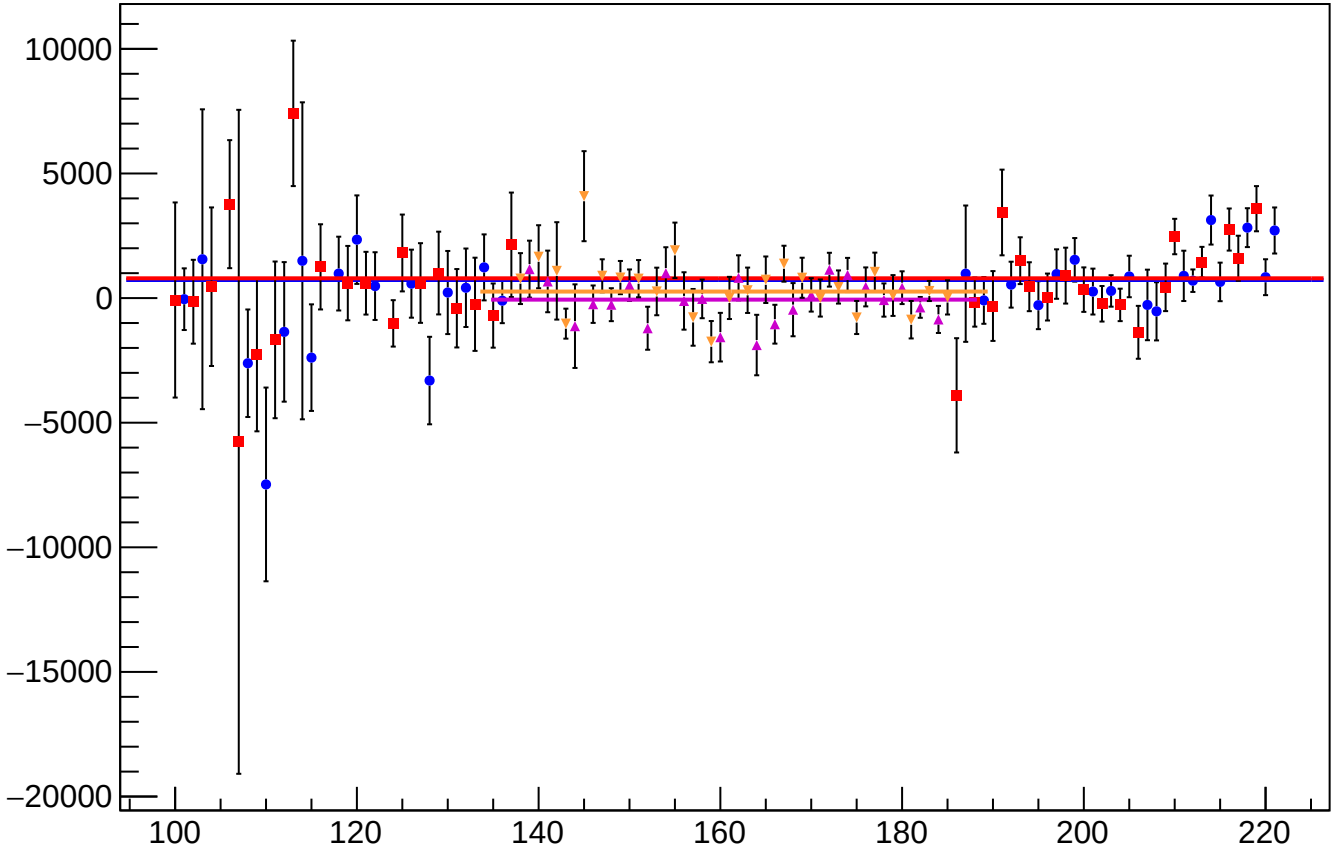
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2397.925+/-0.264 χ^2/NDF: 342335.7/58

All: 2404.970+/-0.189 χ^2/NDF: 1037505.0/11

- sign 2412.420+/-0.271 χ^2/NDF: 693702.2/59

asym_atl1_cor_correction_mean vs Slug



Right In: 726.074+/-177.787 χ^2/NDF: 40.4/33

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 793.483+/-187.385 χ^2/NDF: 56.8/36

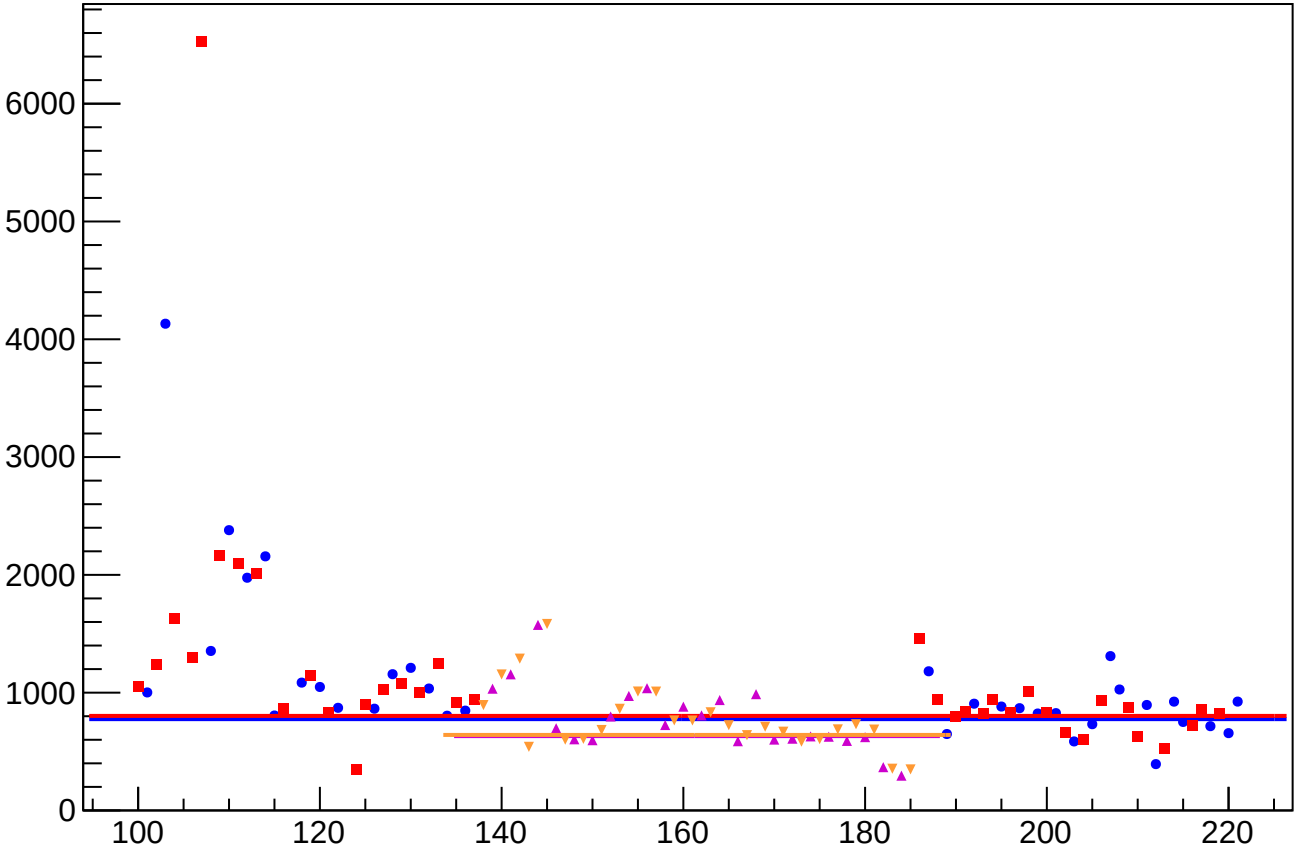
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 461.045+/-116.408 χ^2/NDF: 75.4/58

All: 379.406+/-83.729 χ^2/NDF: 167.5/118

- sign 291.896+/-120.520 χ^2/NDF: 91.0/59

asym_atl1_cor_correction_rms vs Slug



Right In: 775.217+/-0.126 χ^2/NDF: 4456076.3/33

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

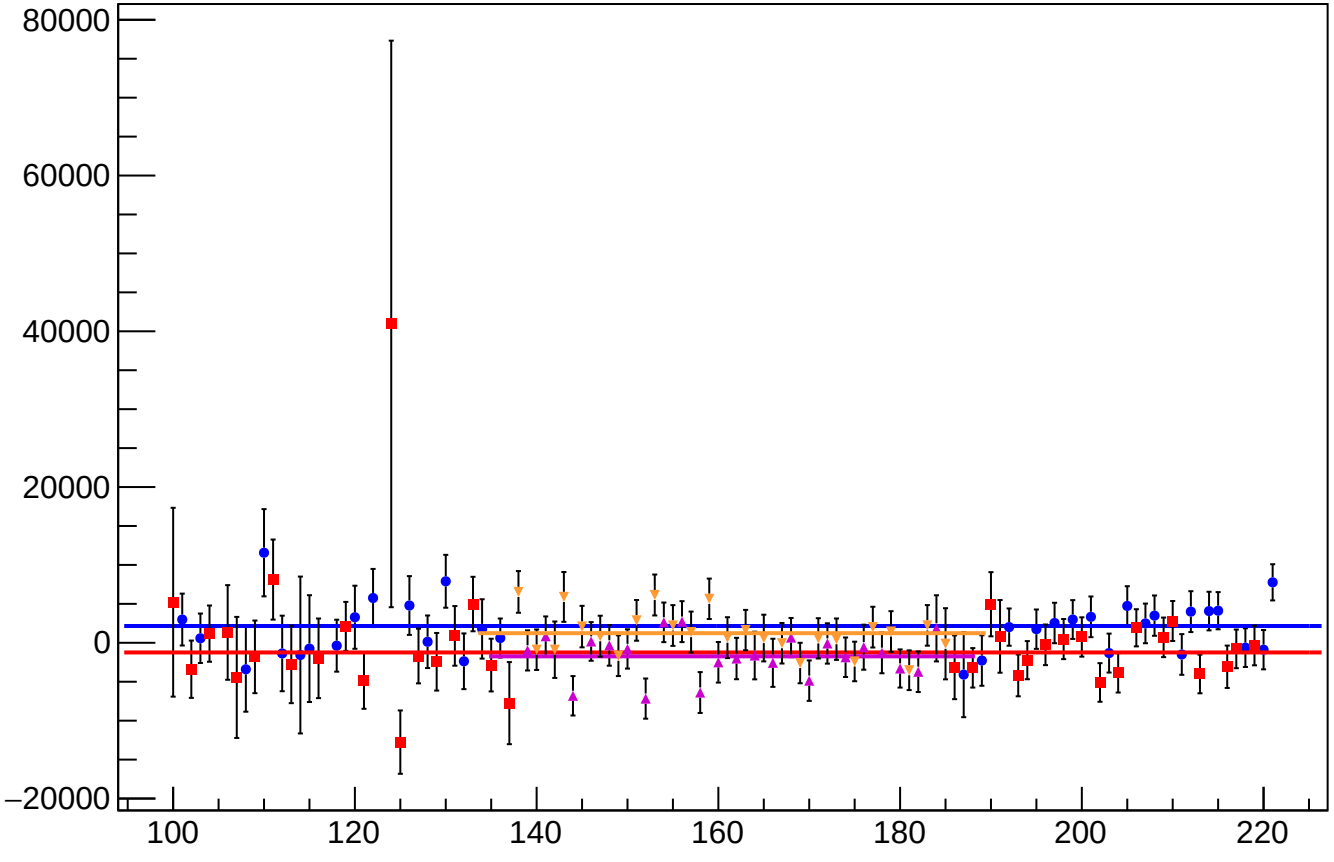
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.637+/-0.082 χ^2/NDF: 8580204.4/58

All: 700.329+/-0.059 χ^2/NDF: 17363612.0/11

- sign 702.143+/-0.085 χ^2/NDF: 8782532.2/59

eigen_cor_asym_atl1_mean vs Slug



Right In: 2156.104+/-514.914 χ^2/NDF: 31.3/33

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1240.477+/-532.542 χ^2/NDF: 37.7/36

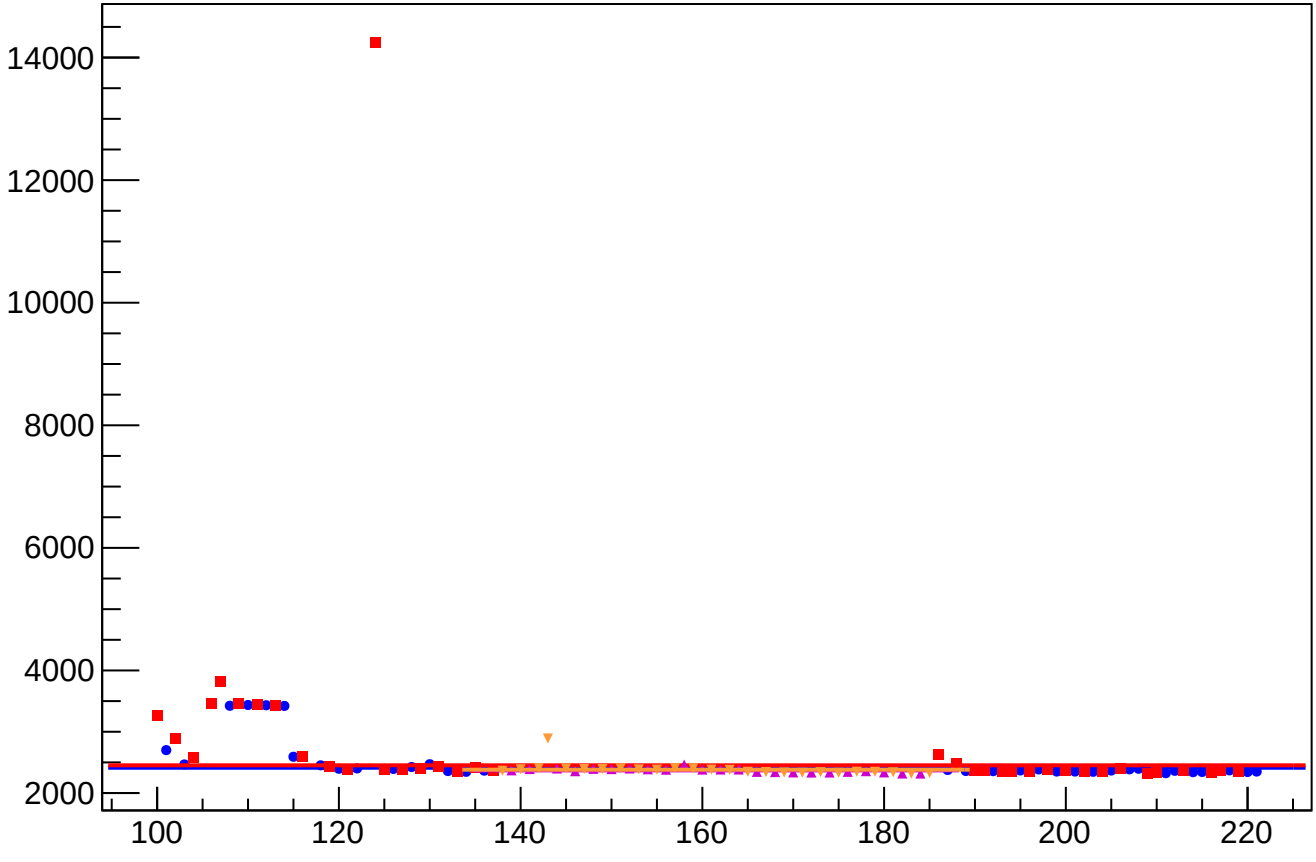
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1718.400+/-373.075 χ^2/NDF: 56.7/58

All: 163.238+/-267.474 χ^2/NDF: 155.0/118

- sign -1481.571+/-383.677 χ^2/NDF: 62.5/59

eigen_cor_asym_atl1_rms vs Slug



Right In: 2413.029+/-0.364 χ^2/NDF: 281090.5/33

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

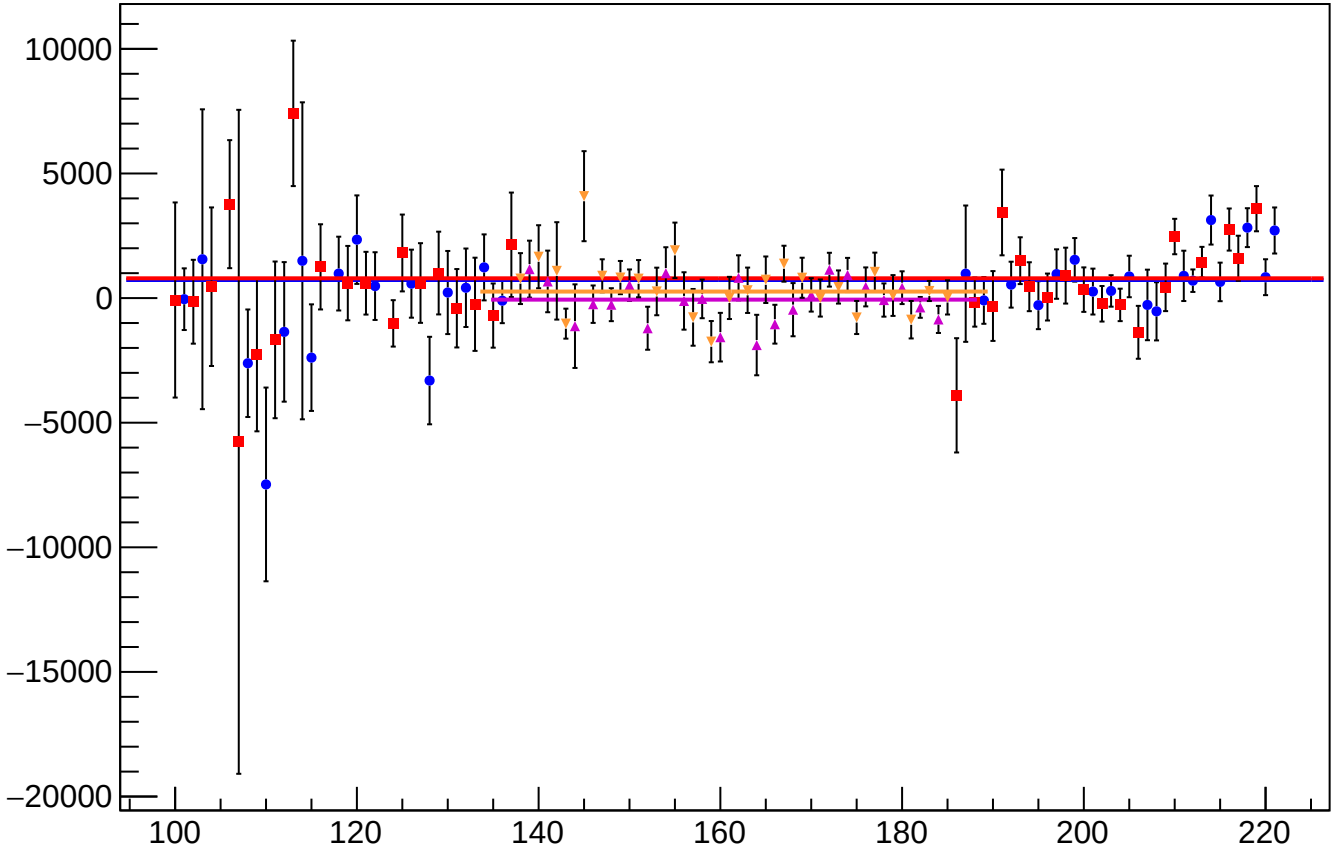
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2397.925+/-0.264 χ^2/NDF: 342335.7/58

All: 2404.970+/-0.189 χ^2/NDF: 1037505.0/11

- sign 2412.420+/-0.271 χ^2/NDF: 693702.2/59

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 726.074+/-177.787 χ^2/NDF: 40.4/33

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 793.483+/-187.385 χ^2/NDF: 56.8/36

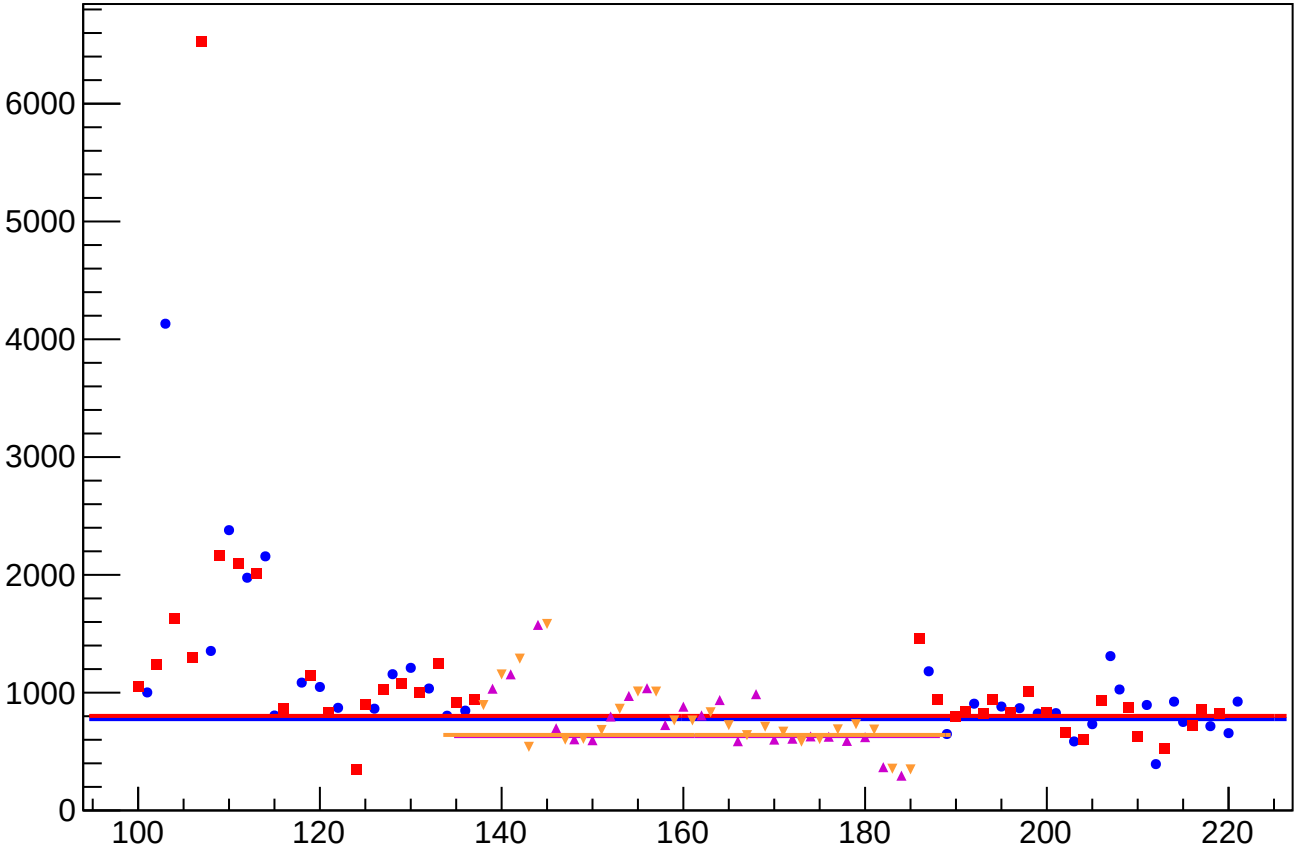
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 461.045+/-116.408 χ^2/NDF: 75.4/58

All: 379.406+/-83.729 χ^2/NDF: 167.5/118

- sign 291.896+/-120.520 χ^2/NDF: 91.0/59

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 775.217+/-0.126 χ^2/NDF: 4456076.3/33

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

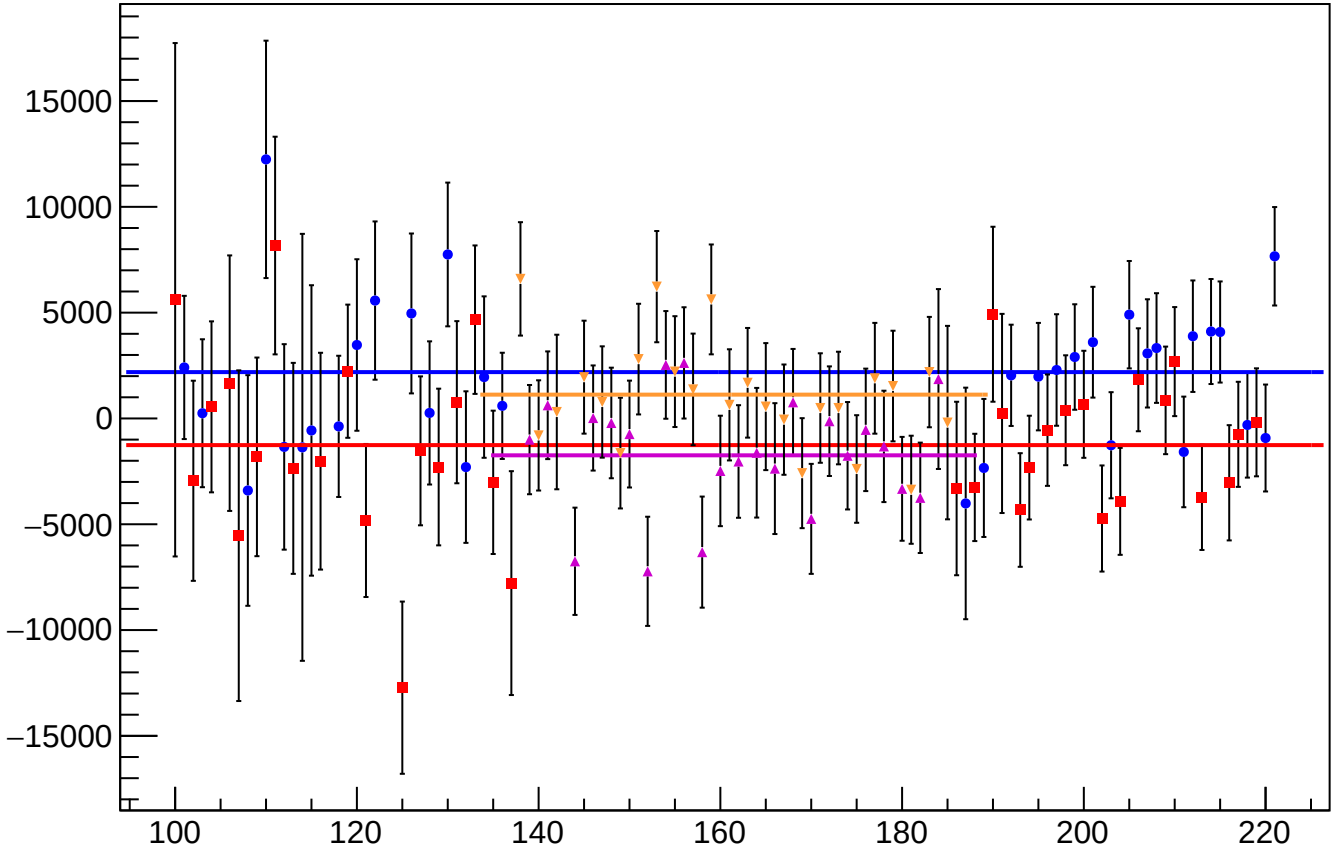
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 698.637+/-0.082 χ^2/NDF: 8580204.4/58

All: 700.329+/-0.059 χ^2/NDF: 17363612.0/11

- sign 702.143+/-0.085 χ^2/NDF: 8782532.2/59

dit_asym_atl1_mean vs Slug



Right In: 2190.202+/-517.433 χ^2/NDF: 31.2/33

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1259.665+/-537.825 χ^2/NDF: 34.8/35

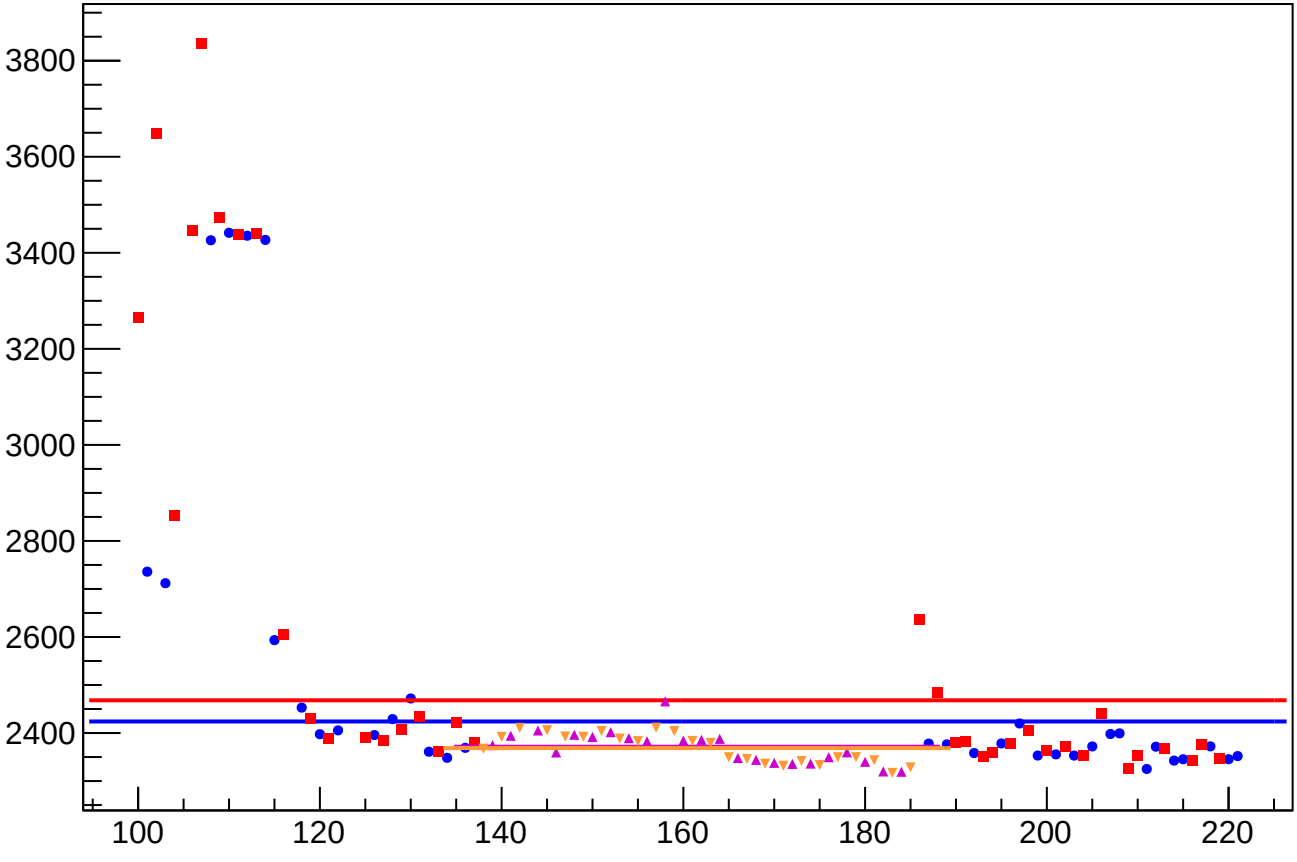
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1690.173+/-376.815 χ^2/NDF: 54.4/57

All: 135.661+/-269.572 χ^2/NDF: 148.2/116

- sign -1493.943+/-385.808 χ^2/NDF: 59.0/58

dit_asym_atl1_rms vs Slug



Right In: 2424.039+/-0.366 χ^2/NDF: 296204.0/33

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564235.9/35

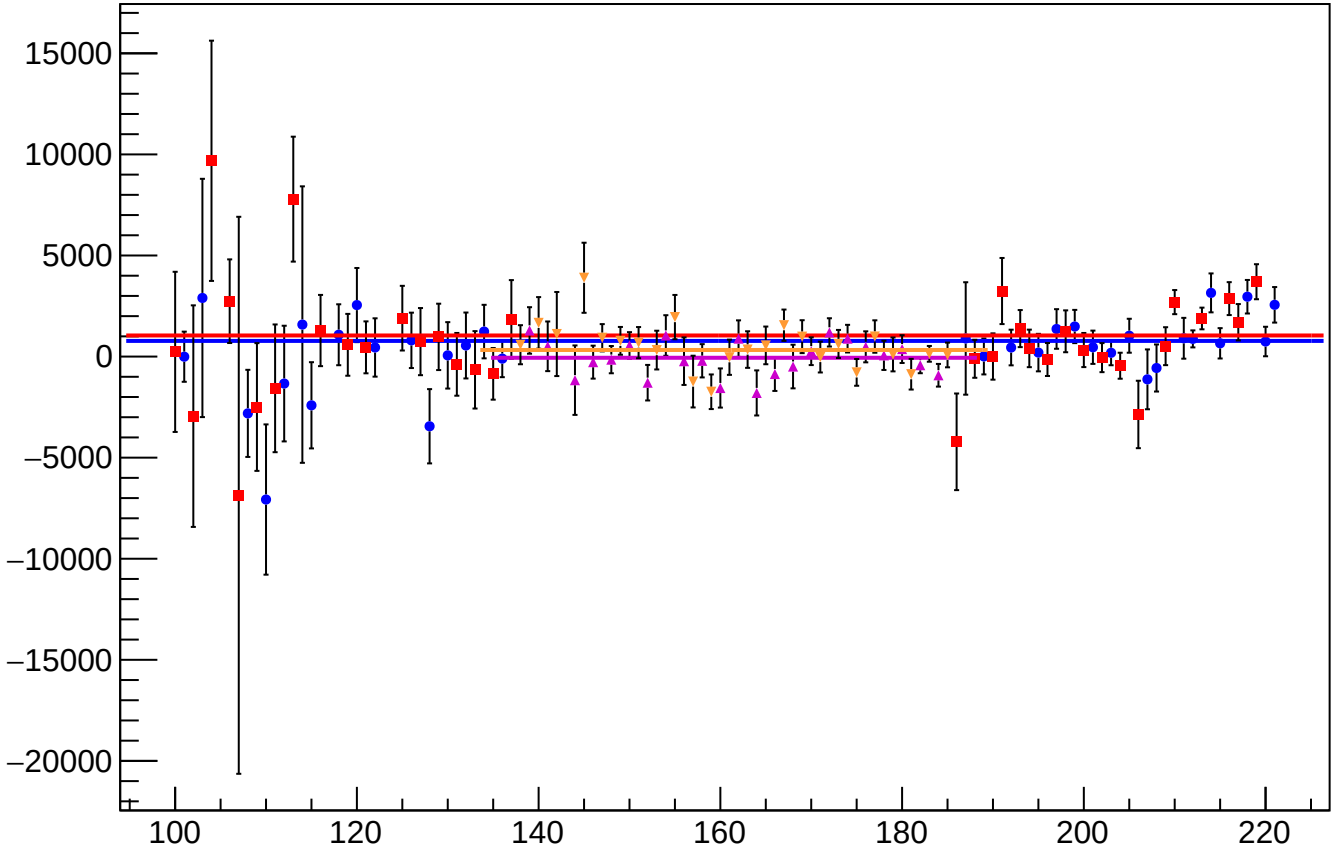
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2397.986+/-0.266 χ^2/NDF: 312570.5/57

All: 2409.343+/-0.191 χ^2/NDF: 918924.7/116

- sign 2421.247+/-0.273 χ^2/NDF: 602633.5/58

asym_atl1_dit_correction_mean vs Slug



Right In: 774.674+/-173.854 χ^2/NDF: 41.9/33

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 1043.464+/-183.893 χ^2/NDF: 66.2/35

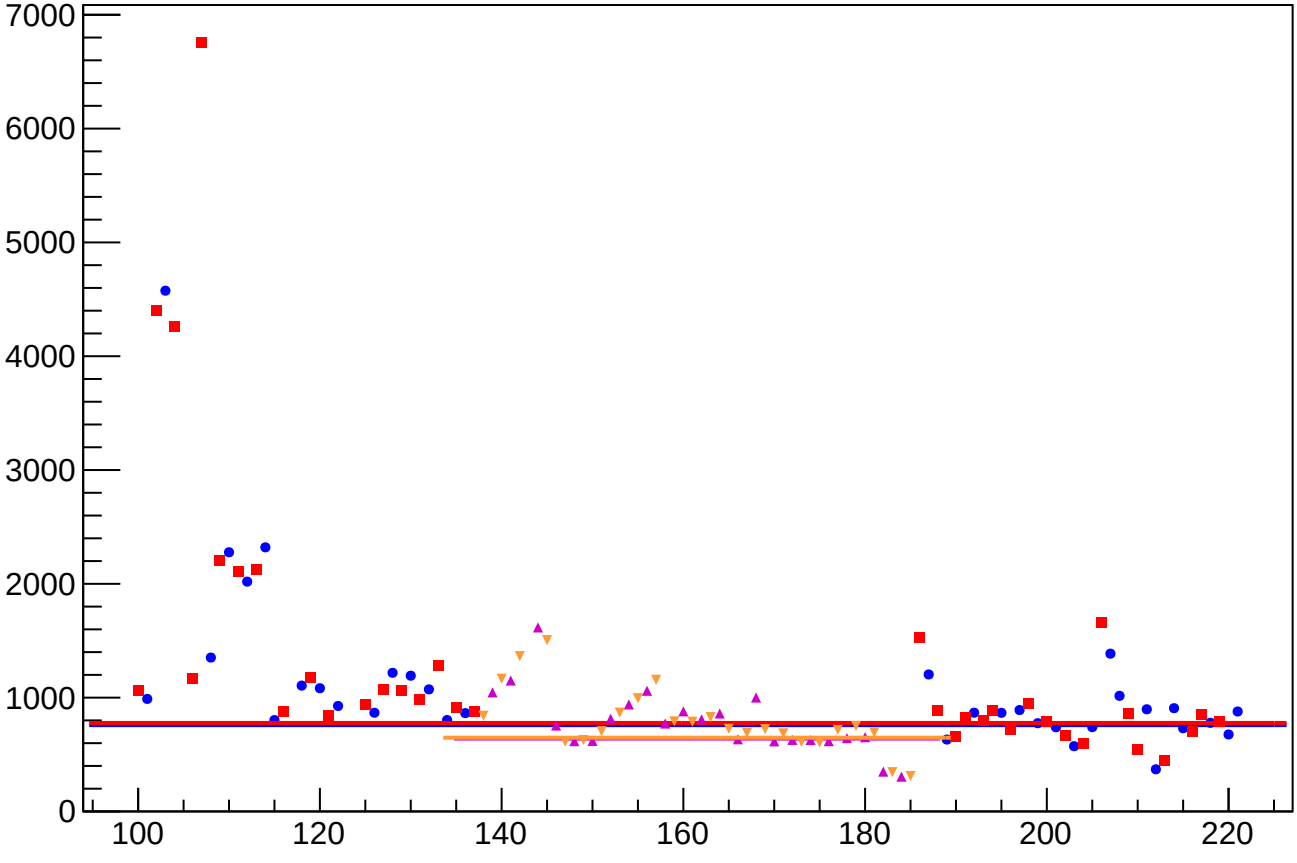
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 531.783+/-117.747 χ^2/NDF: 72.2/57

All: 474.543+/-84.238 χ^2/NDF: 182.1/116

- sign 414.531+/-120.565 χ^2/NDF: 109.4/58

asym_atl1_dit_correction_rms vs Slug



Right In: 758.488+/-0.123 χ^2/NDF: 5144496.5/33

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 777.767+/-0.130 χ^2/NDF: 5896469.2/35

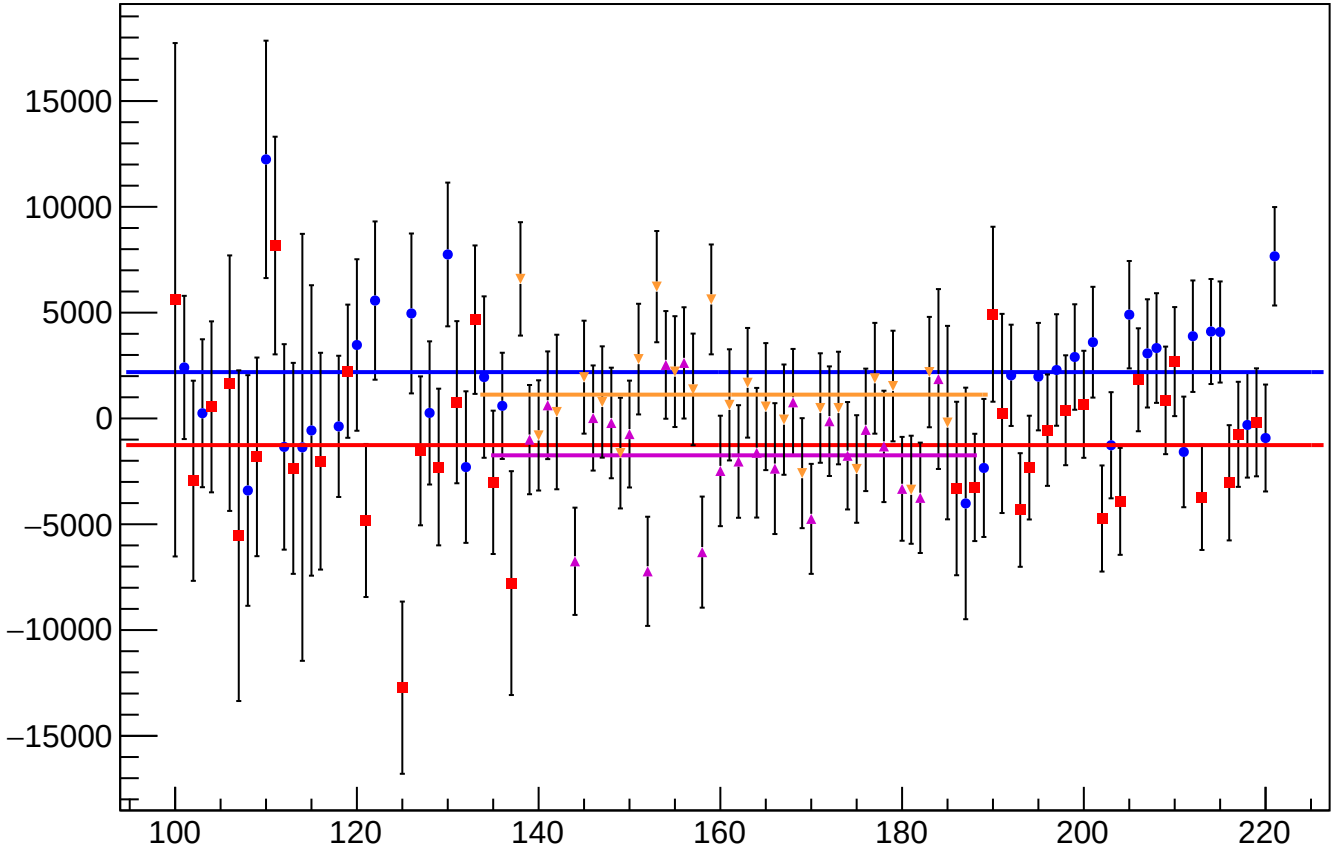
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 698.735+/-0.083 χ^2/NDF: 9467942.0/57

All: 699.088+/-0.060 χ^2/NDF: 20129296.9/11

- sign 699.458+/-0.085 χ^2/NDF: 10661318.1/58

eigen_dit_asym_atl1_mean vs Slug



Right In: 2190.199+/-517.433 χ^2/NDF: 31.2/33

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1259.666+/-537.825 χ^2/NDF: 34.8/35

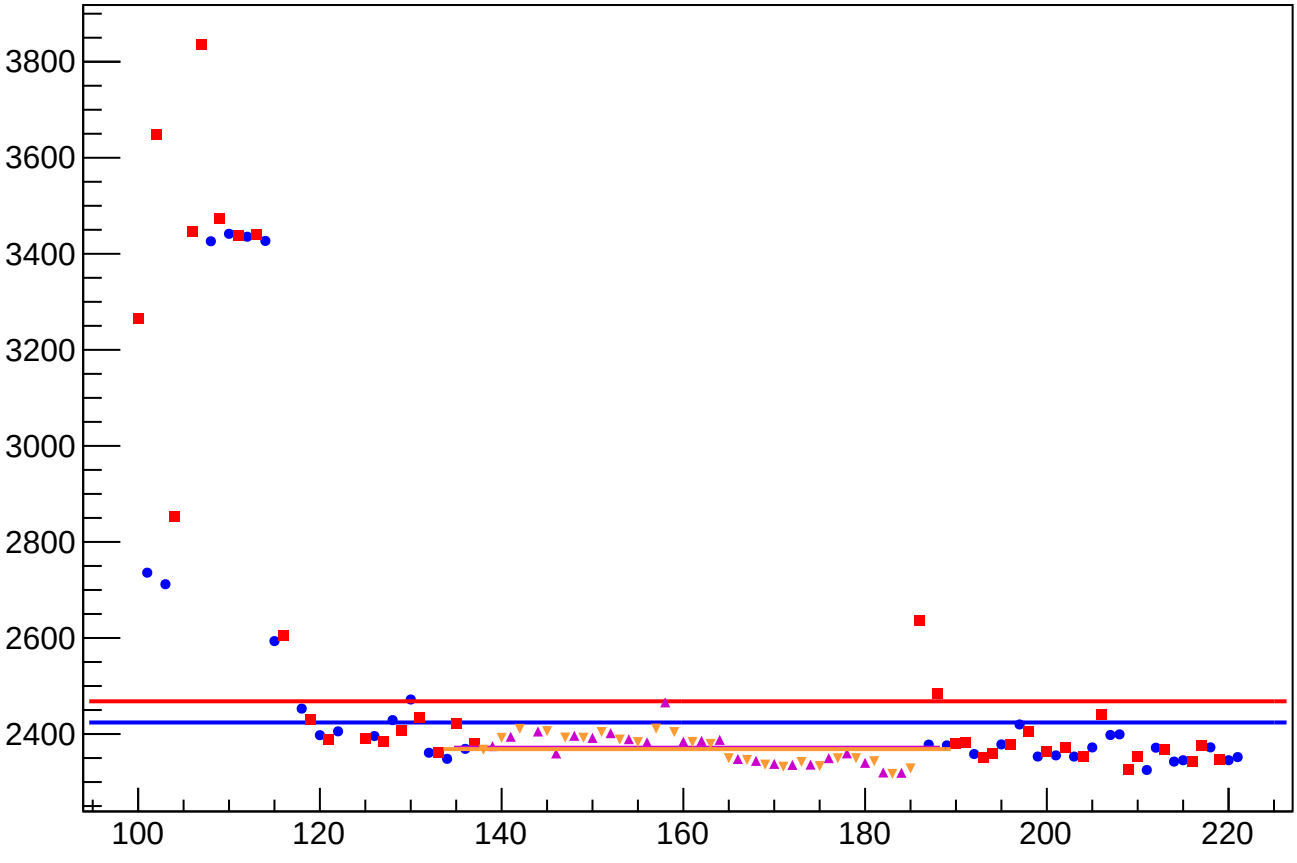
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1690.172+/-376.814 χ^2/NDF: 54.4/57

All: 135.660+/-269.572 χ^2/NDF: 148.2/116

- sign -1493.943+/-385.808 χ^2/NDF: 59.0/58

eigen_dit_asym_atl1_rms vs Slug



Right In: 2424.039+/-0.366 χ^2/NDF: 296203.5/33

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564234.9/35

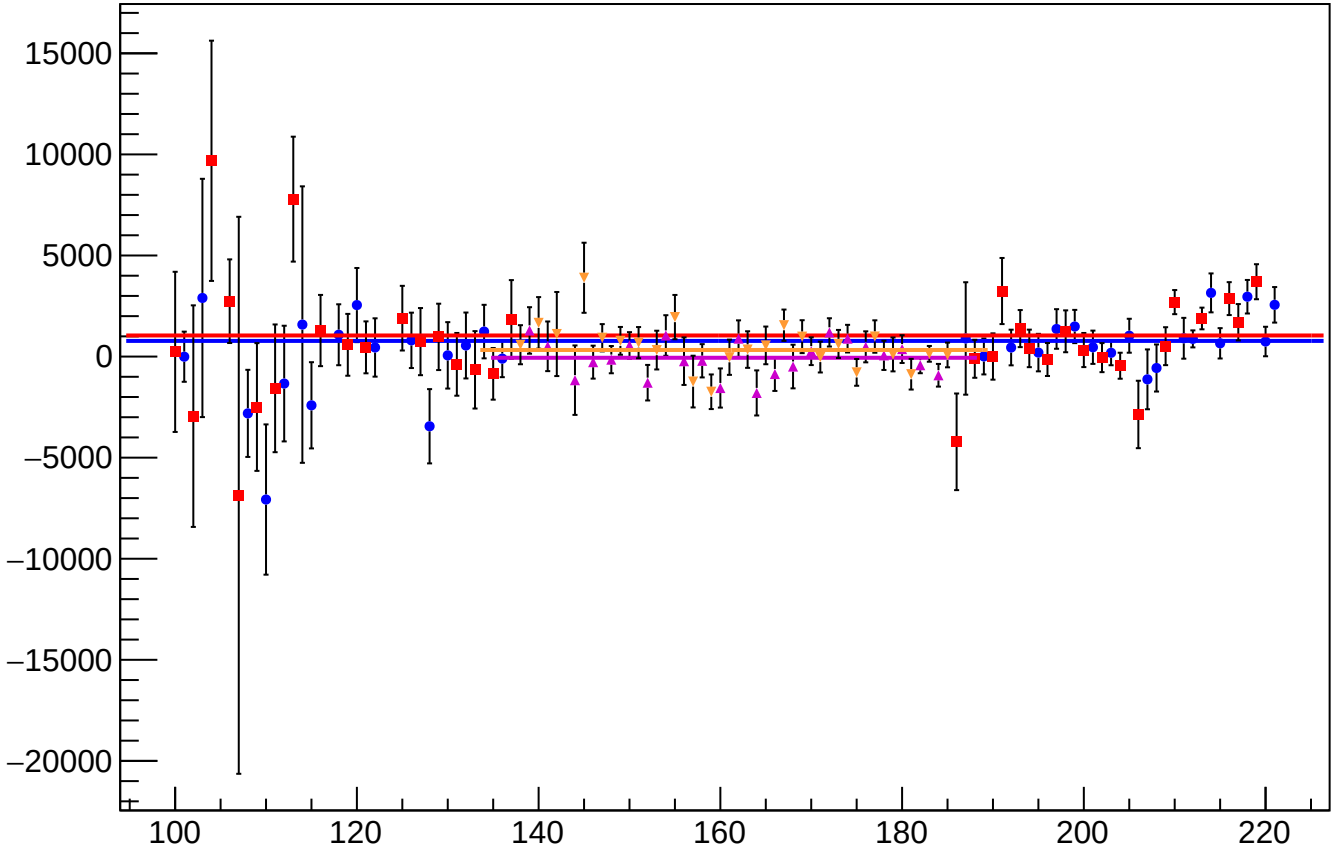
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2397.986+/-0.266 χ^2/NDF: 312569.9/57

All: 2409.342+/-0.191 χ^2/NDF: 918923.2/116

- sign 2421.247+/-0.273 χ^2/NDF: 602632.5/58

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 774.673+/-173.854 χ^2/NDF: 41.9/33

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 1043.464+/-183.893 χ^2/NDF: 66.2/35

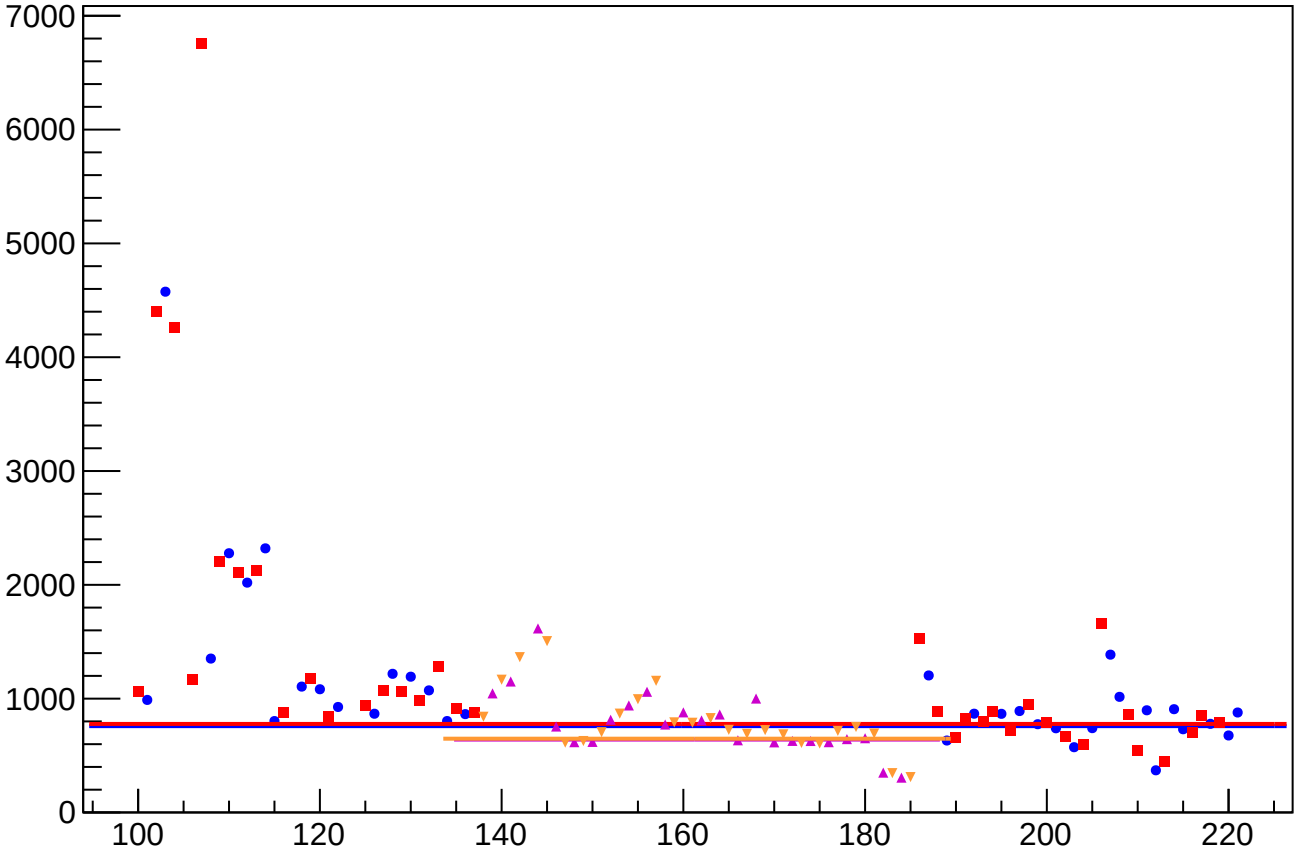
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 531.783+/-117.747 χ^2/NDF: 72.2/57

All: 474.543+/-84.238 χ^2/NDF: 182.1/116

- sign 414.532+/-120.565 χ^2/NDF: 109.4/58

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 758.487+/-0.123 χ^2/NDF: 5144504.6/33

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 777.766+/-0.130 χ^2/NDF: 5896478.7/35

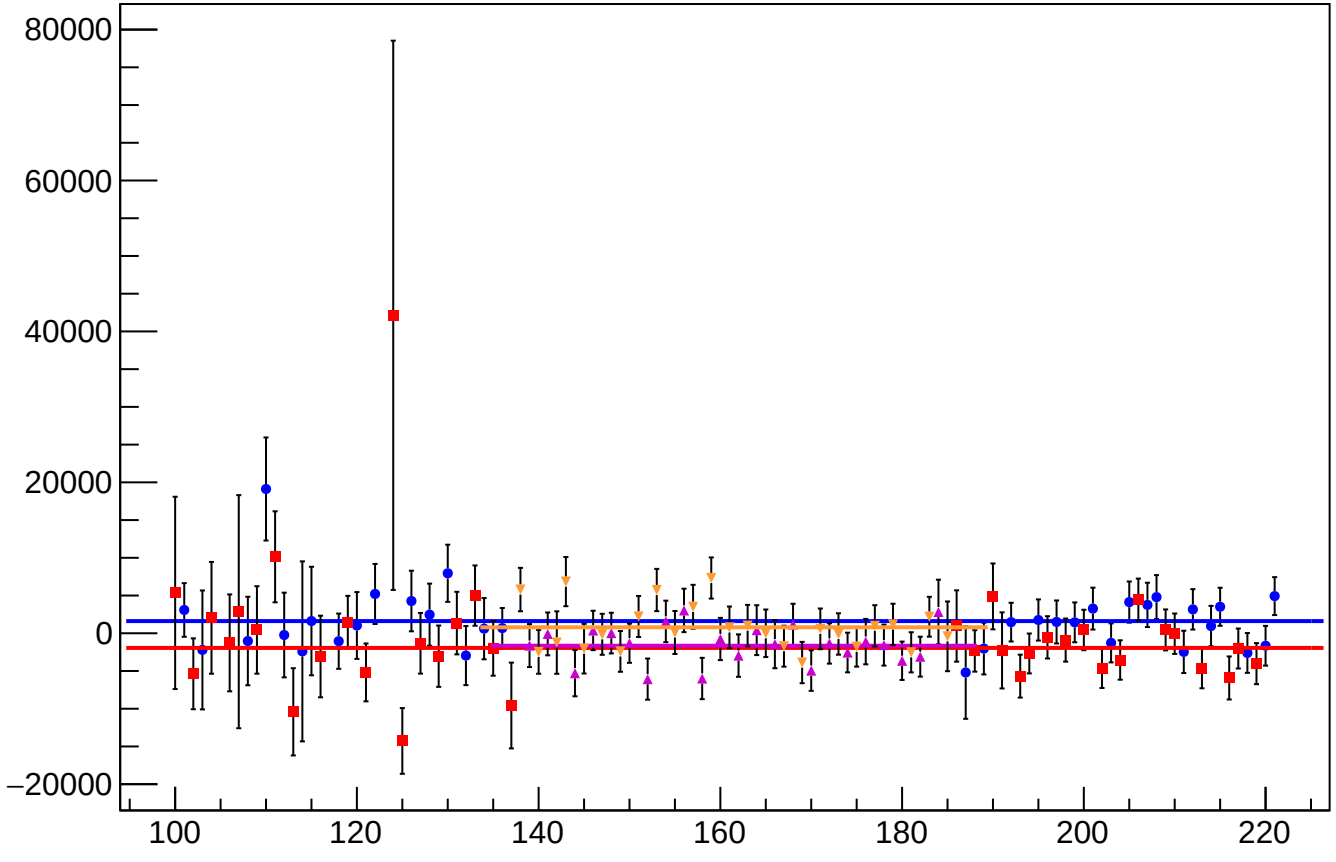
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 698.736+/-0.083 χ^2/NDF: 9467946.9/57

All: 699.089+/-0.060 χ^2/NDF: 20129313.0/11

- sign 699.459+/-0.085 χ^2/NDF: 10661329.3/58

asym_atl1_mean vs Slug



Right In: 1613.474+/-561.464 χ^2/NDF: 29.1/33

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1941.033+/-582.960 χ^2/NDF: 41.8/36

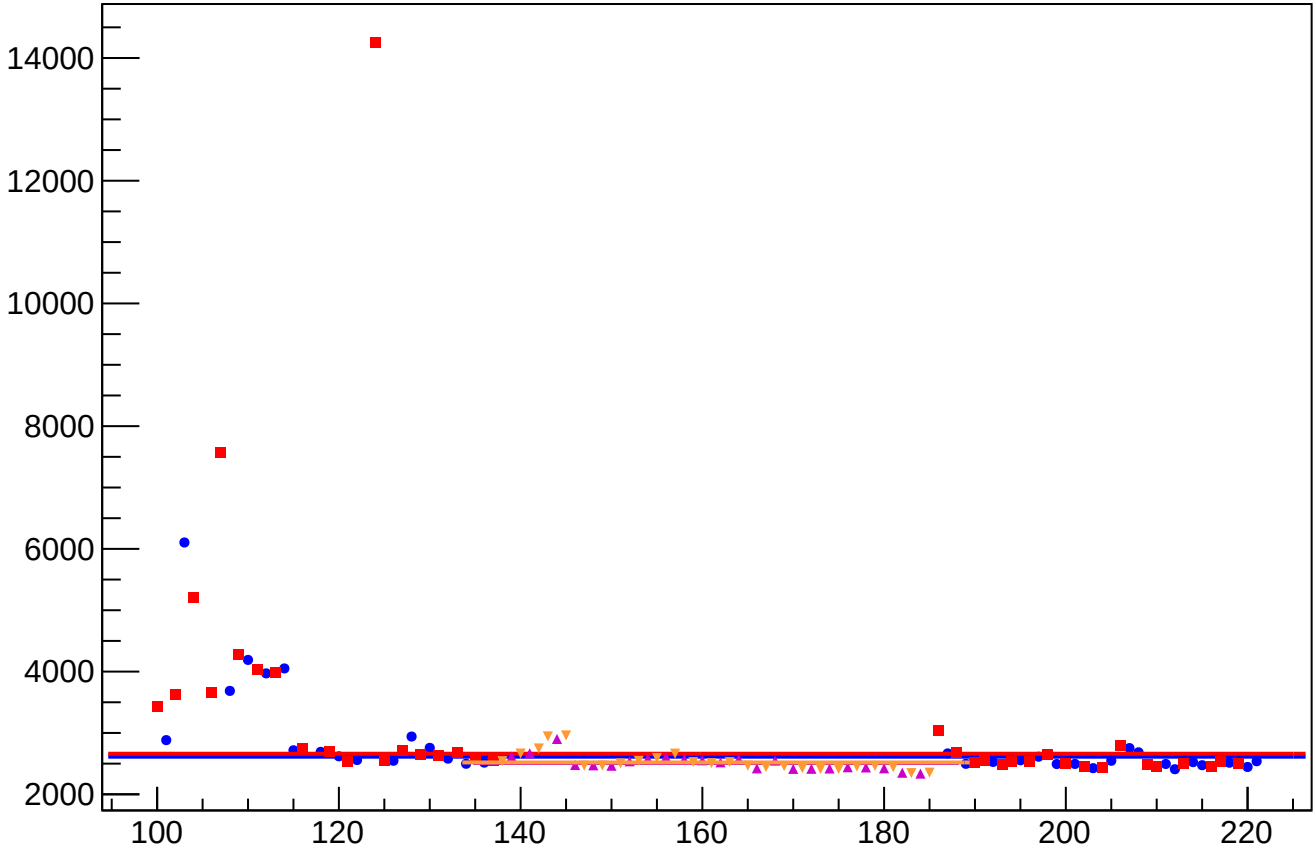
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1211.005+/-401.123 χ^2/NDF: 57.2/58

All: -247.961+/-287.931 χ^2/NDF: 143.7/118

- sign -1798.762+/-413.554 χ^2/NDF: 59.2/59

asym_atl1_rms vs Slug



Right In: 2613.473+/-0.397 χ^2/NDF: 812687.6/33

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2661.227+/-0.412 χ^2/NDF: 1273277.2/36

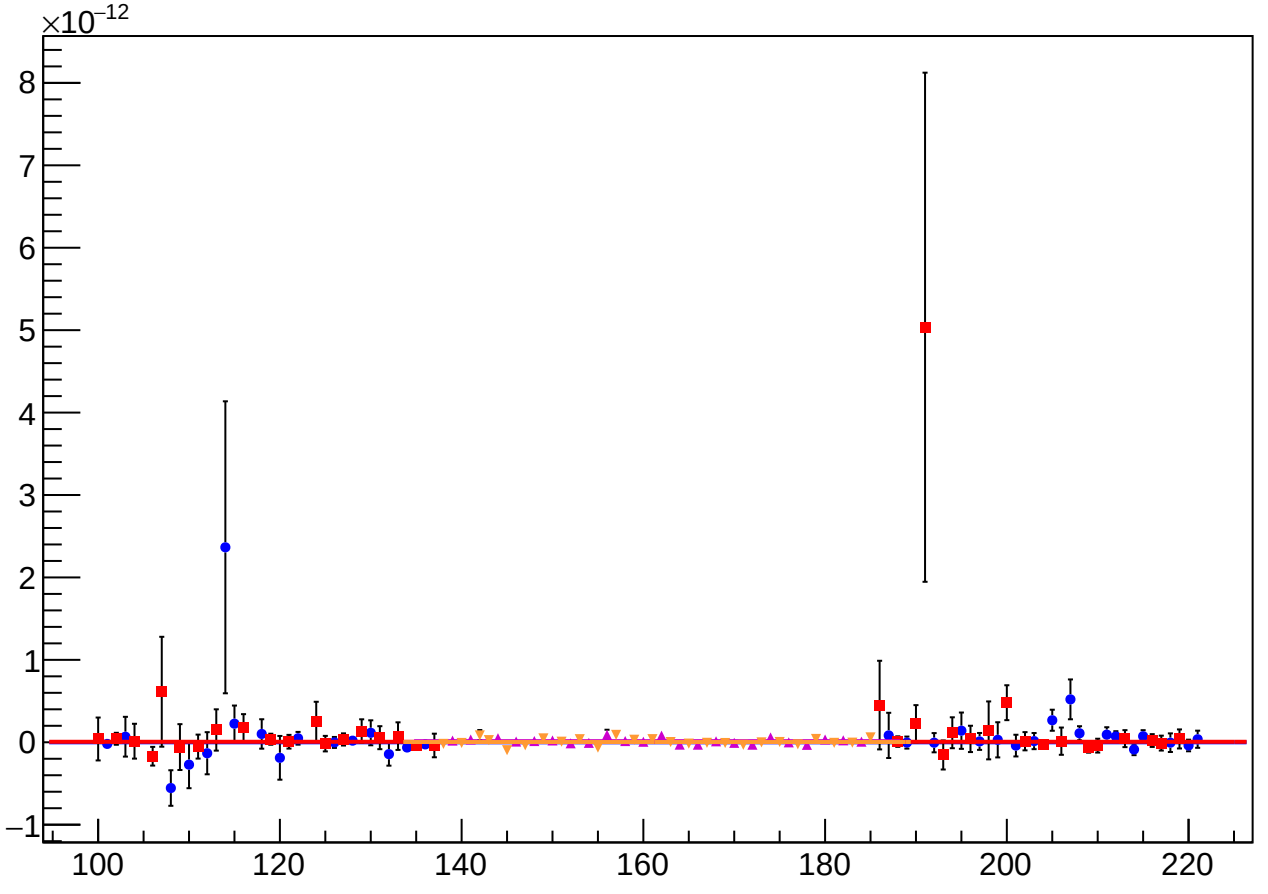
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2567.472+/-0.284 χ^2/NDF: 955313.5/58

All: 2576.542+/-0.204 χ^2/NDF: 2371190.4/11

- sign 2586.183+/-0.292 χ^2/NDF: 1413767.3/59

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

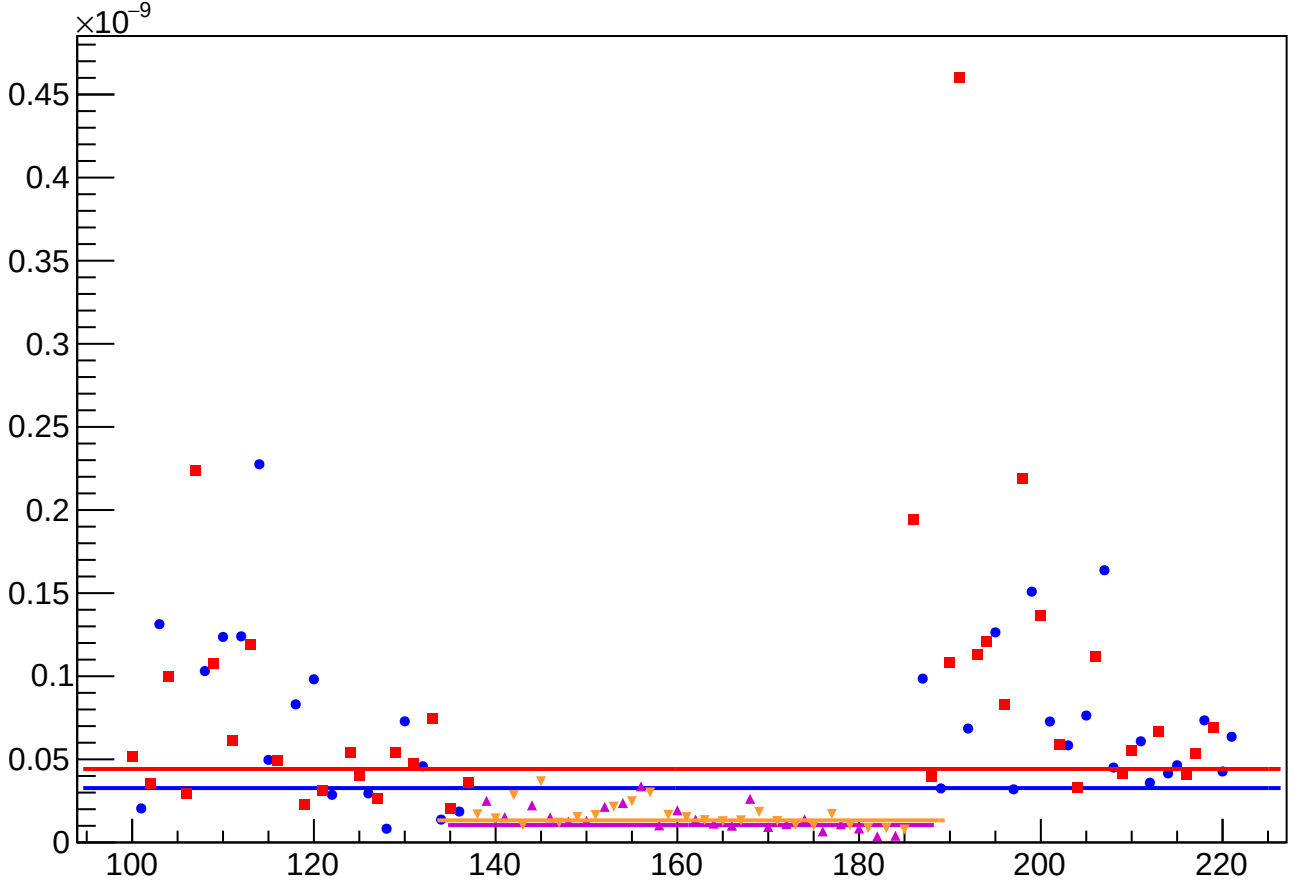
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/36

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/58

All: 0.000+/-0.000 χ^2/NDF: 117.7/118

- sign 0.000+/-0.000 χ^2/NDF: 53.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 6357685.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4229208.9/36

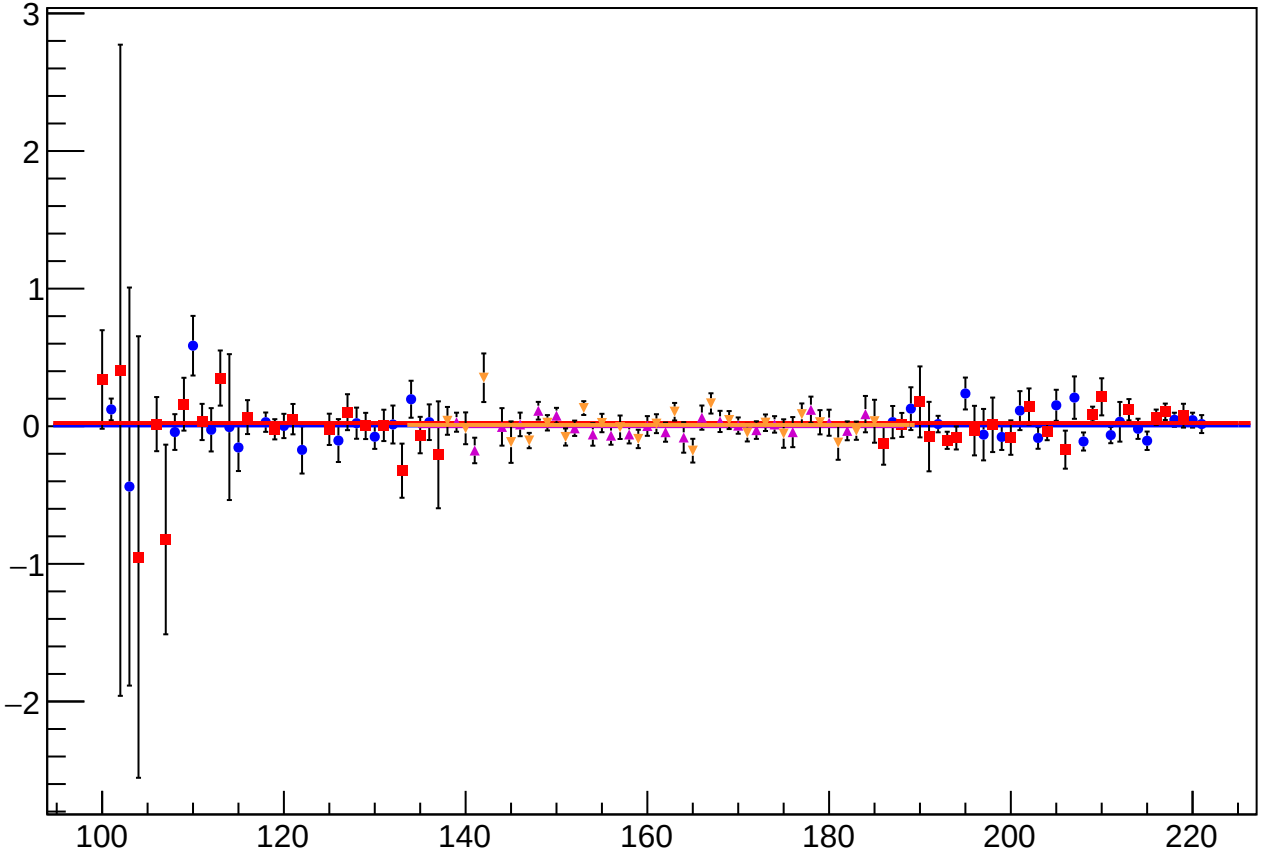
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11332721.2/58

All: 0.000+/-0.000 χ^2/NDF: 25807395.6/118

- sign 0.000+/-0.000 χ^2/NDF: 14099360.1/59

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

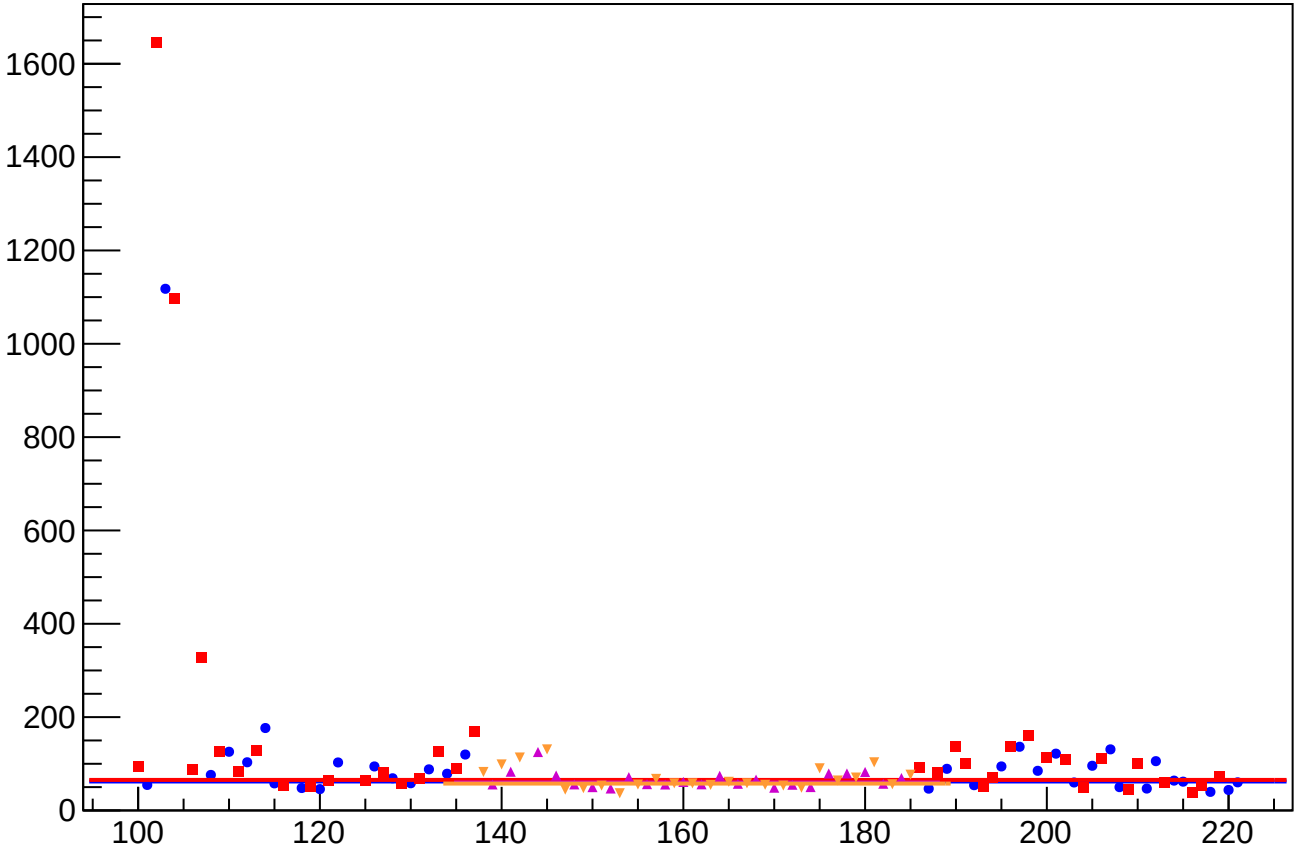
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.009+/-0.008 χ^2/NDF: 116.7/116

- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011550.9/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

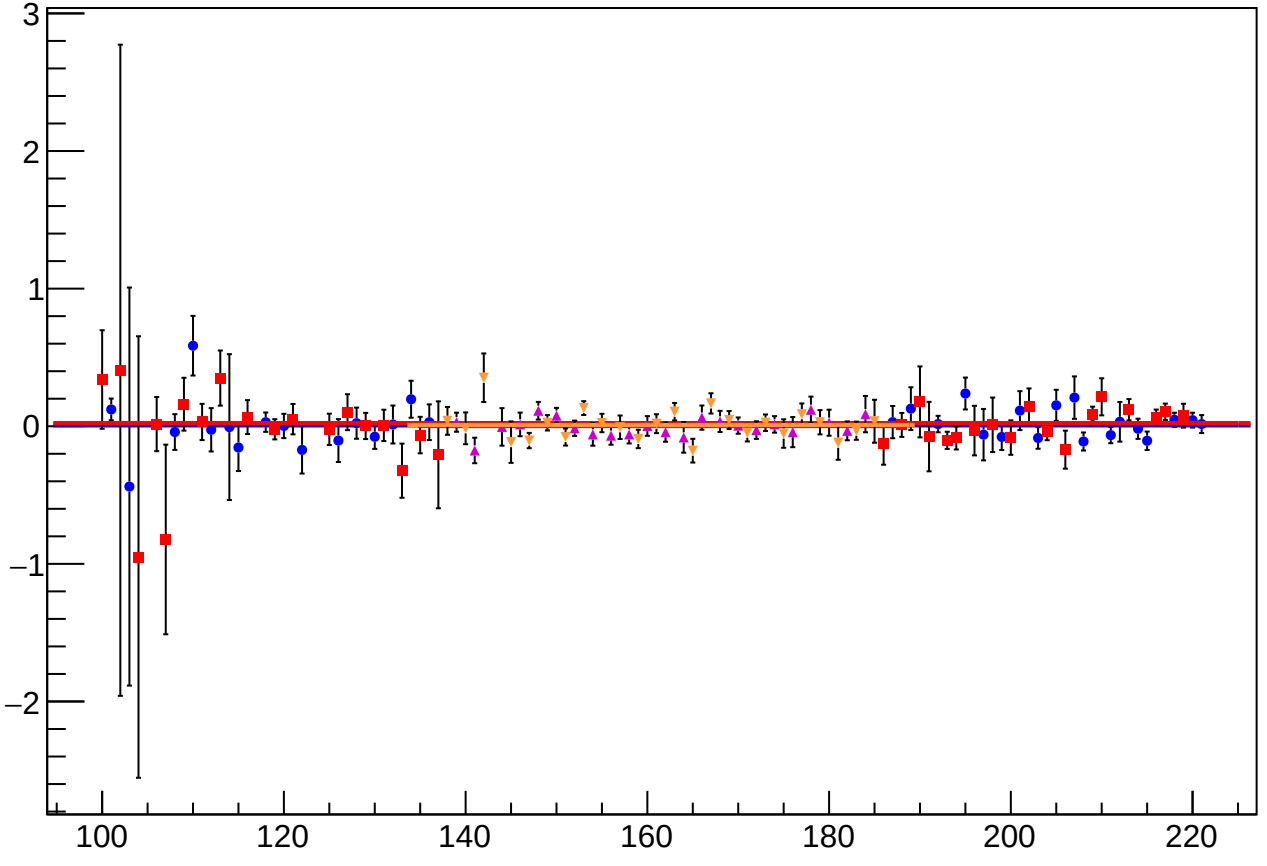
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.744+/-0.008 χ^2/NDF: 7308882.7/57

All: 60.948+/-0.006 χ^2/NDF: 14928418.3/116

- sign 62.298+/-0.008 χ^2/NDF: 7568135.1/58

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

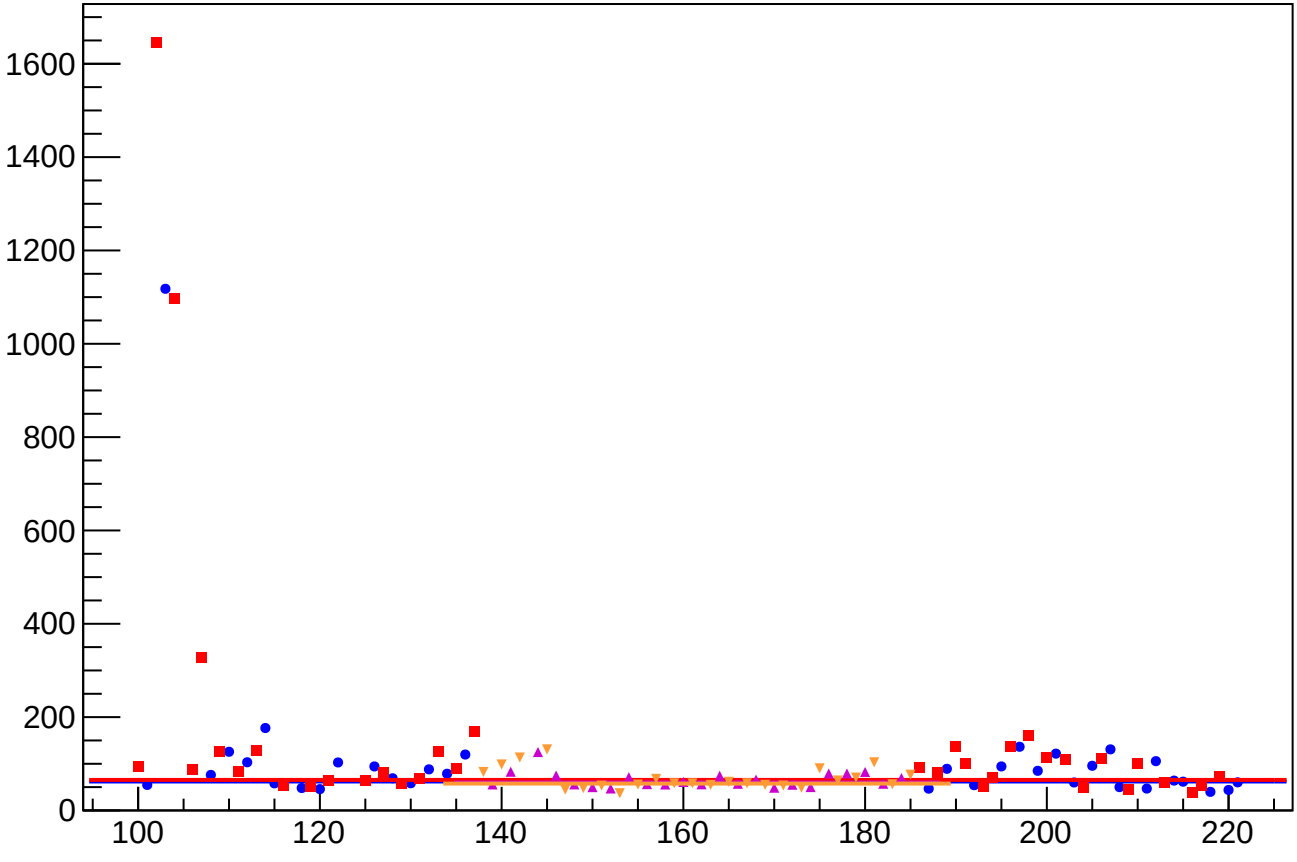
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.009+/-0.008 χ^2/NDF: 116.7/116

\- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011550.9/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

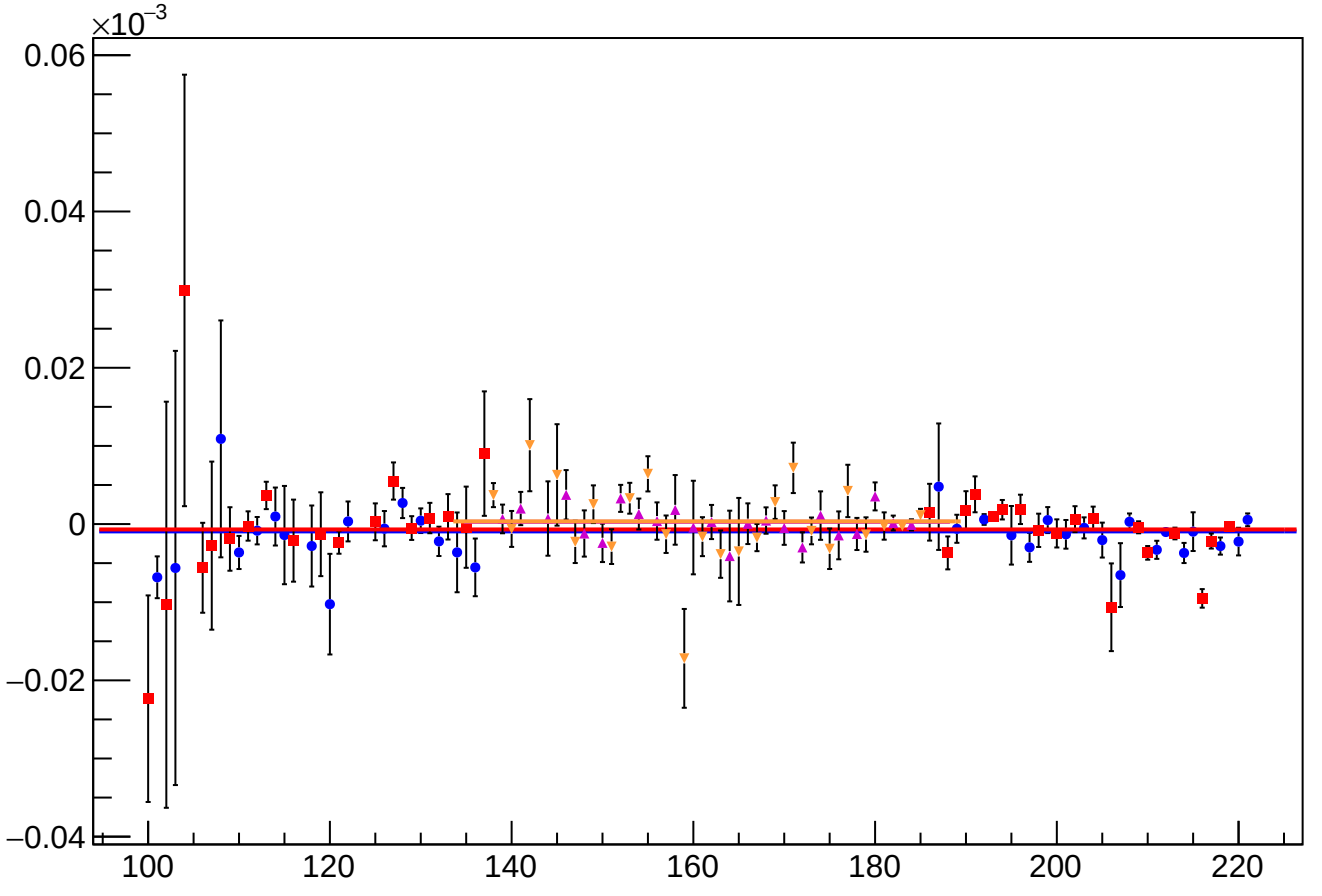
Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.744+/-0.008 χ^2/NDF: 7308882.7/57

All: 60.948+/-0.006 χ^2/NDF: 14928418.3/116

- sign 62.298+/-0.008 χ^2/NDF: 7568135.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 117.5/35

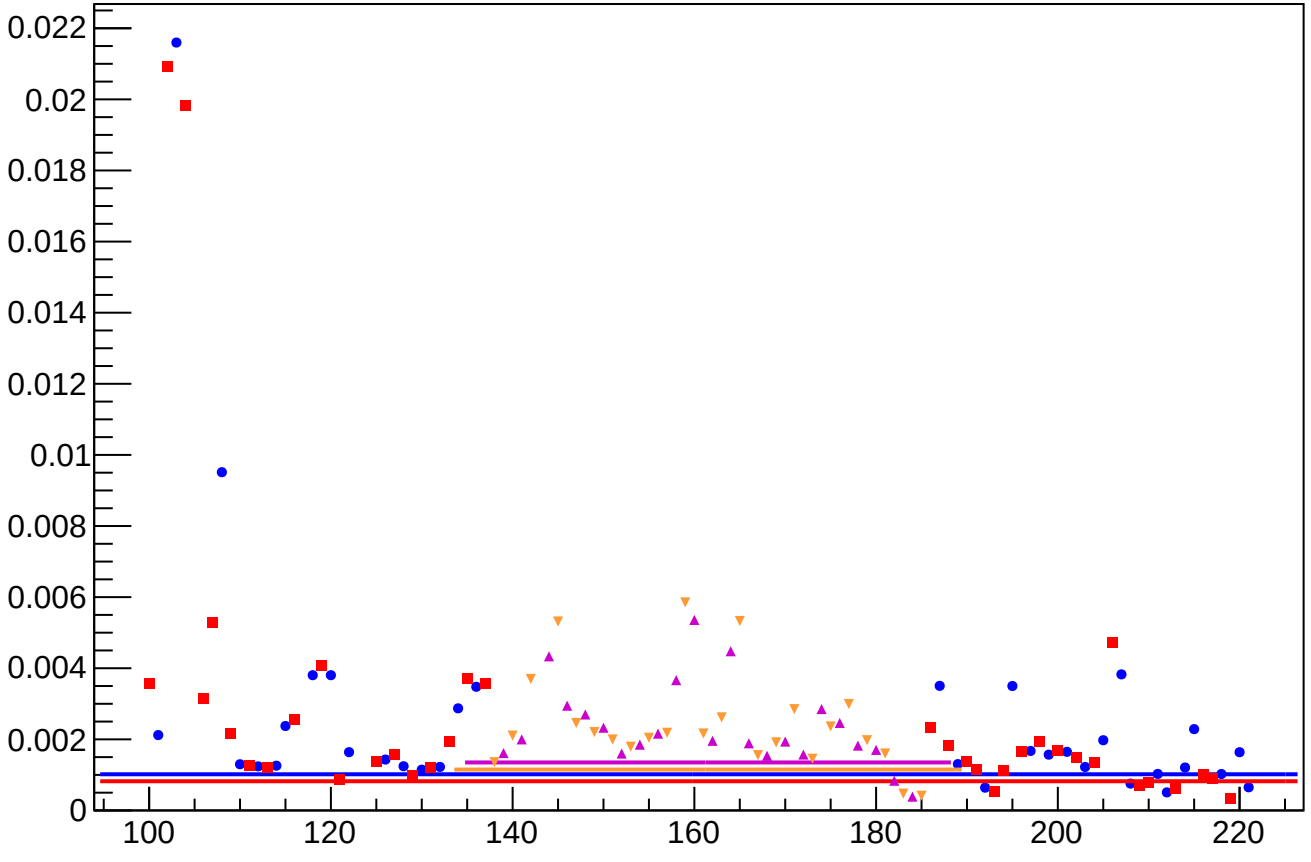
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 98.6/57

All: -0.000+/-0.000 χ^2/NDF: 235.8/116

- sign -0.000+/-0.000 χ^2/NDF: 137.2/58

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11228109.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 12823650.6/35

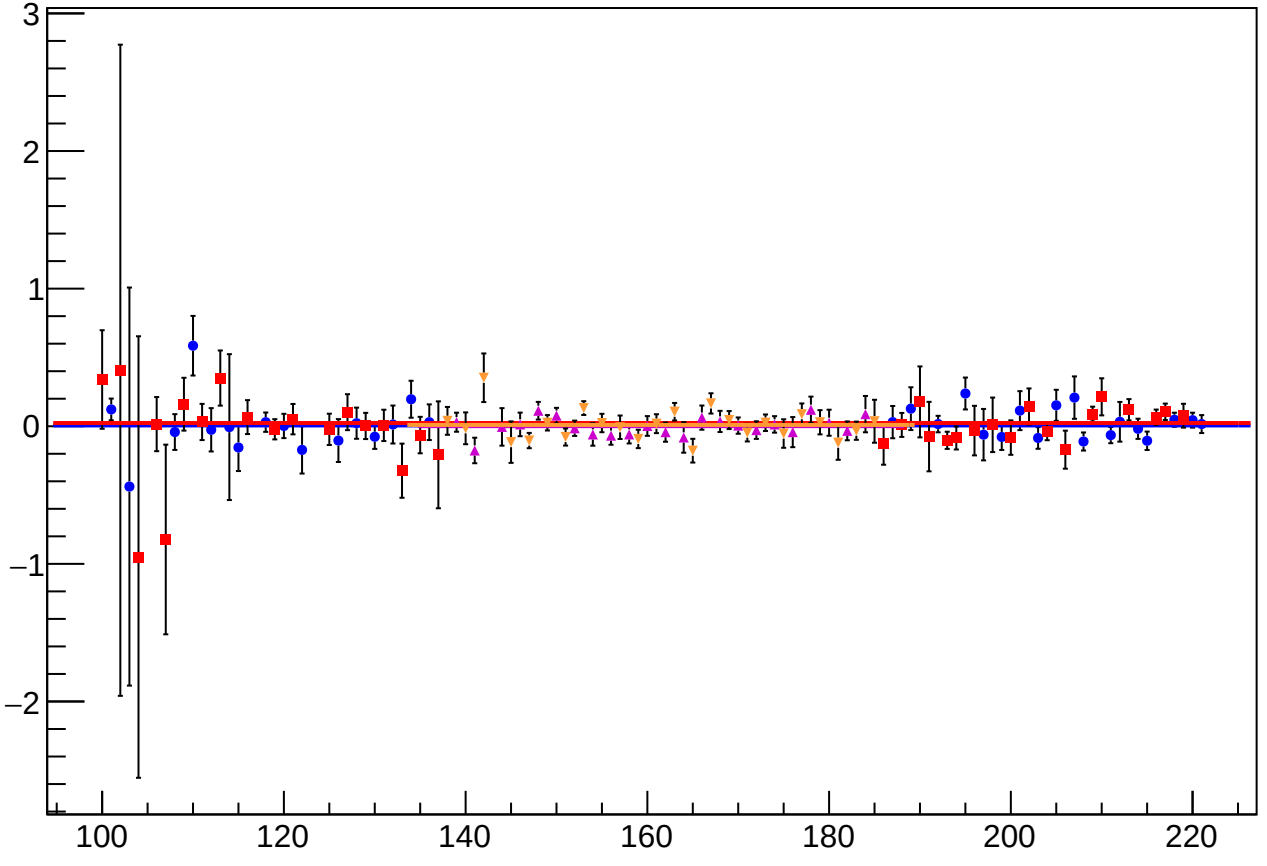
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 24659876.3/57

All: 0.001+/-0.000 χ^2/NDF: 50846336.4/116

- sign 0.001+/-0.000 χ^2/NDF: 25900843.4/58

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

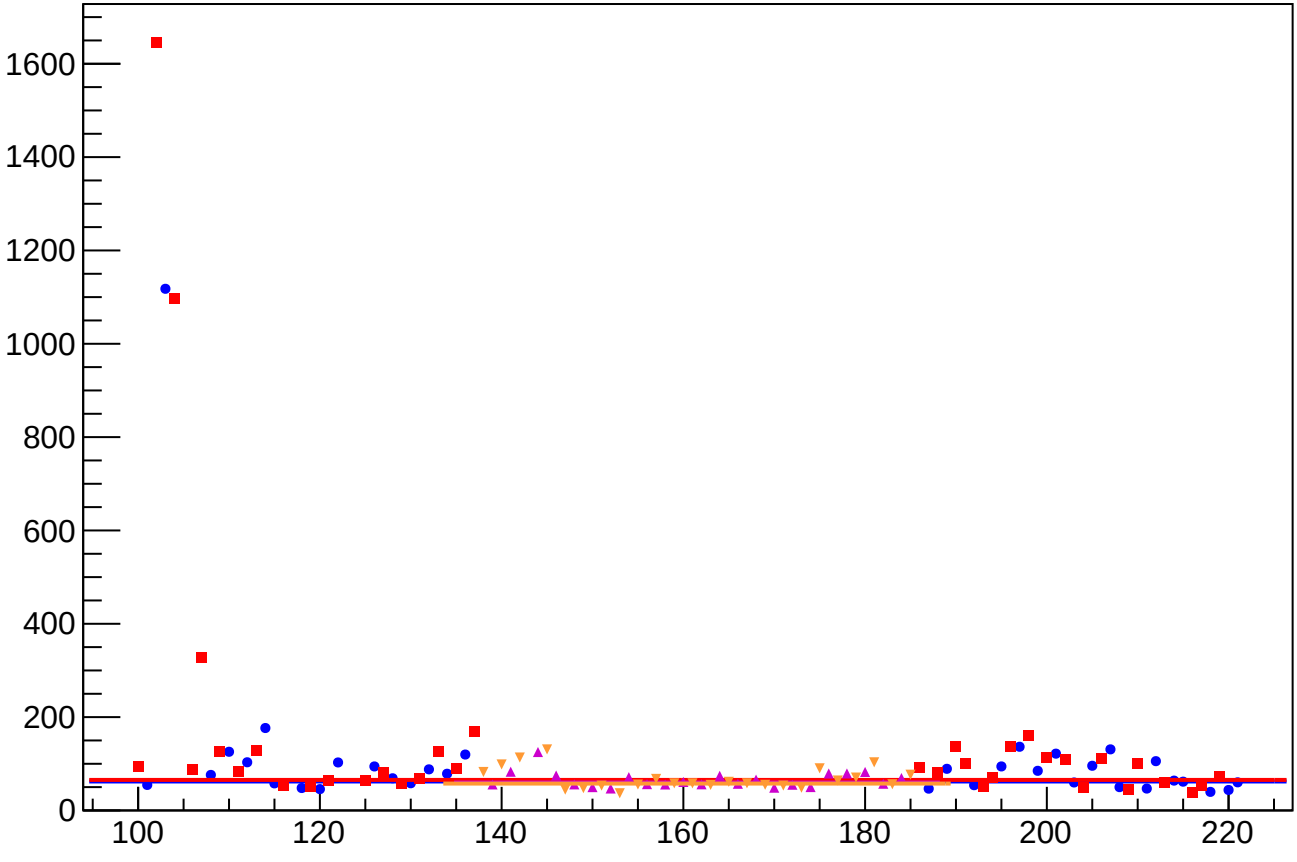
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.009+/-0.008 χ^2/NDF: 116.7/116

- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011668.7/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

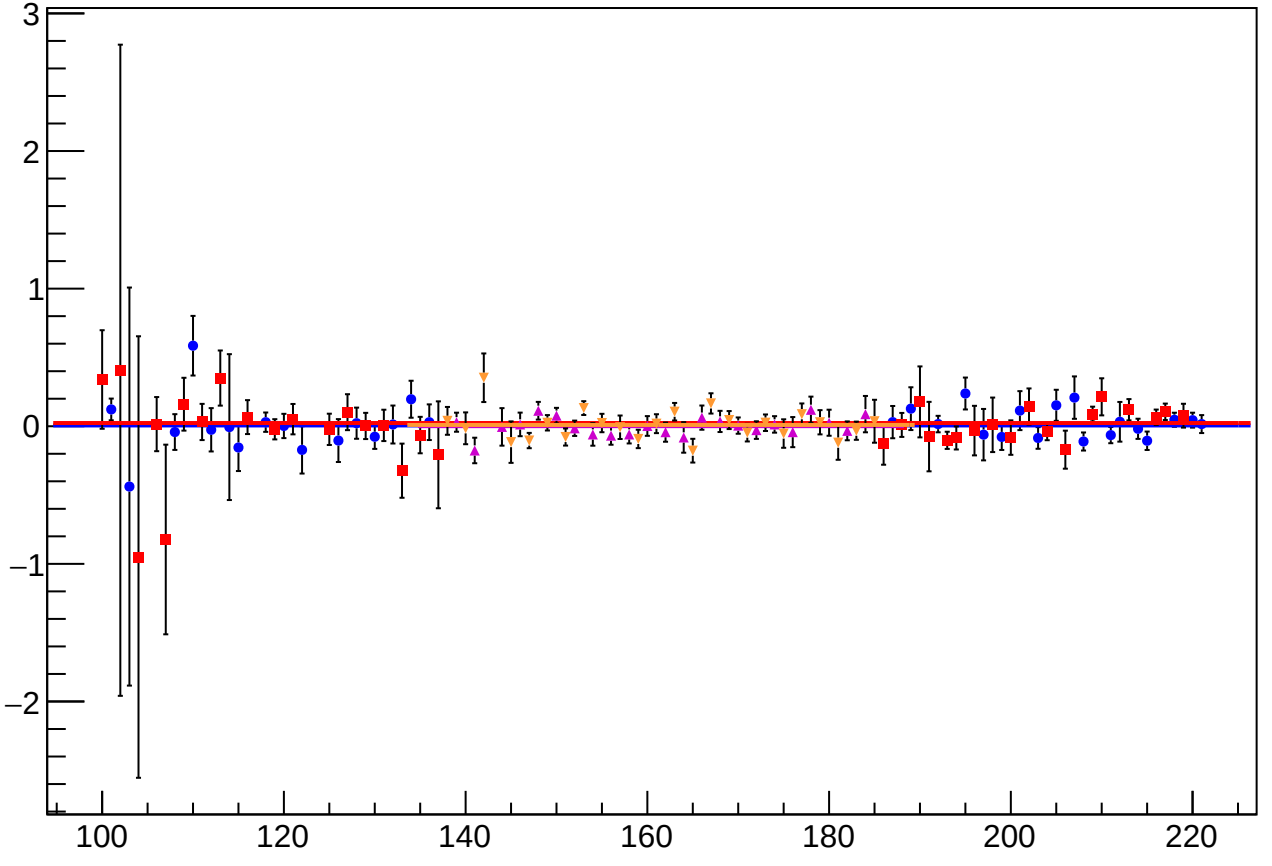
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.744+/-0.008 χ^2/NDF: 7309064.5/57

All: 60.948+/-0.006 χ^2/NDF: 14928604.1/116

- sign 62.298+/-0.008 χ^2/NDF: 7568129.8/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 34.7/33

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

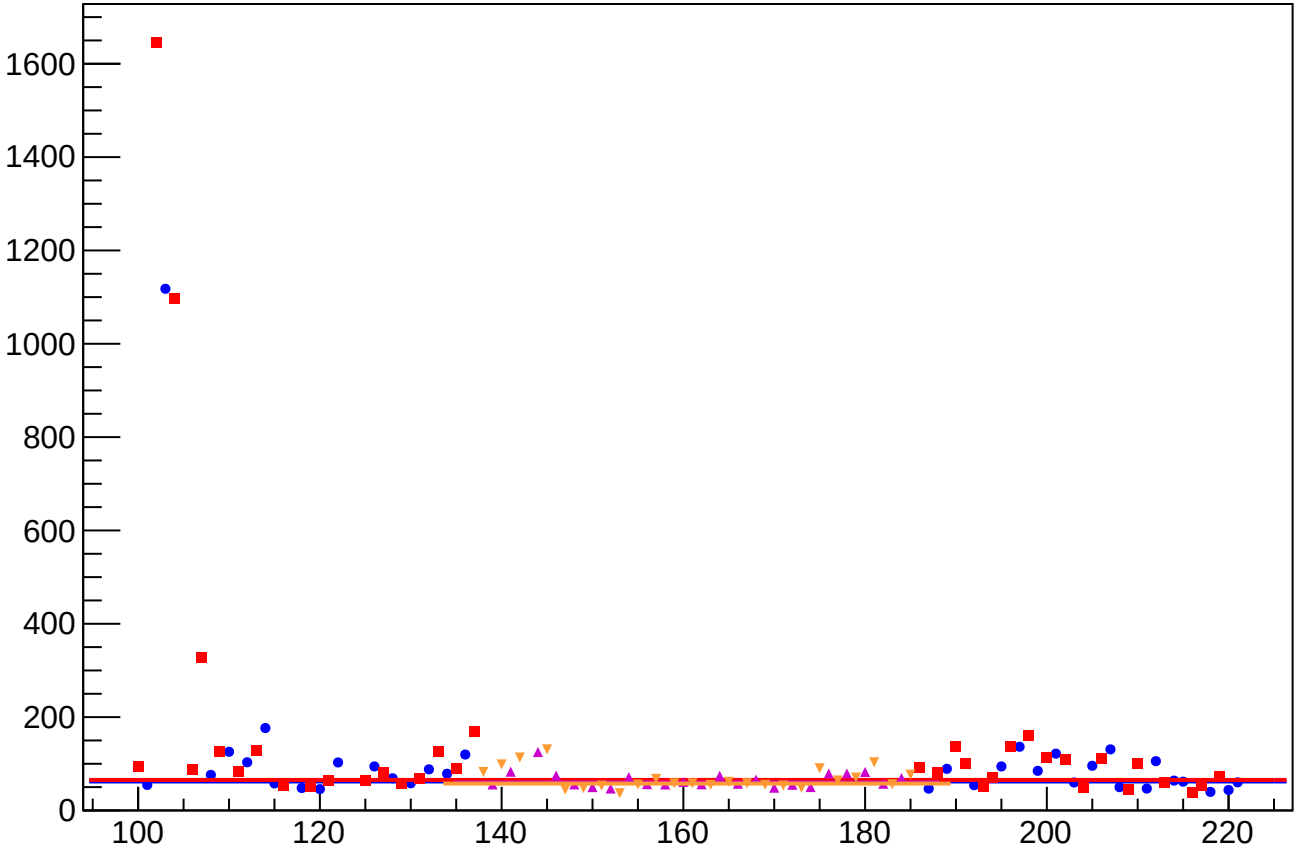
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.008+/-0.011 χ^2/NDF: 69.4/57

All: 0.009+/-0.008 χ^2/NDF: 116.7/116

\- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.100+/-0.011 χ^2/NDF: 5011668.7/33

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

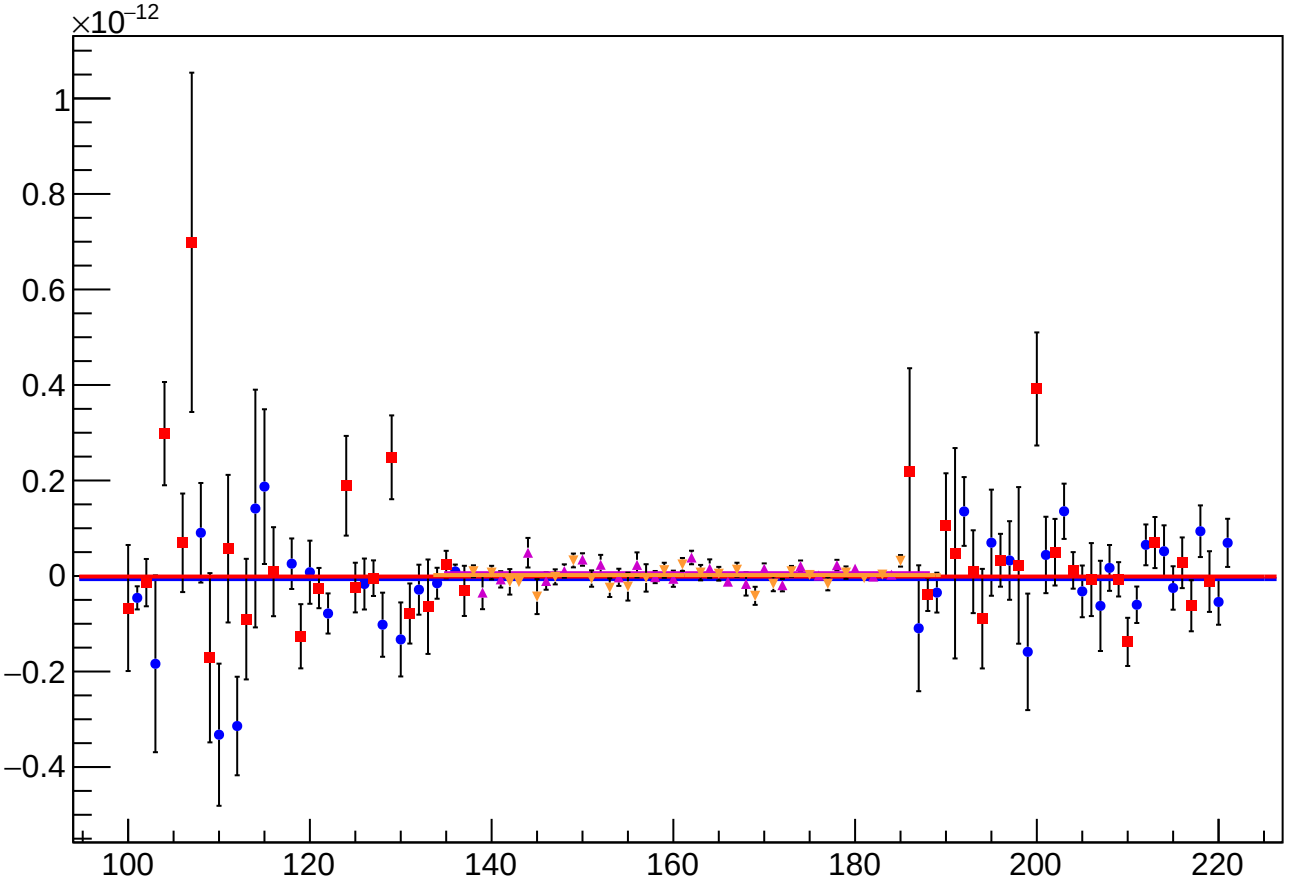
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.744+/-0.008 χ^2/NDF: 7309064.5/57

All: 60.948+/-0.006 χ^2/NDF: 14928604.1/116

- sign 62.298+/-0.008 χ^2/NDF: 7568129.8/58

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 56.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/36

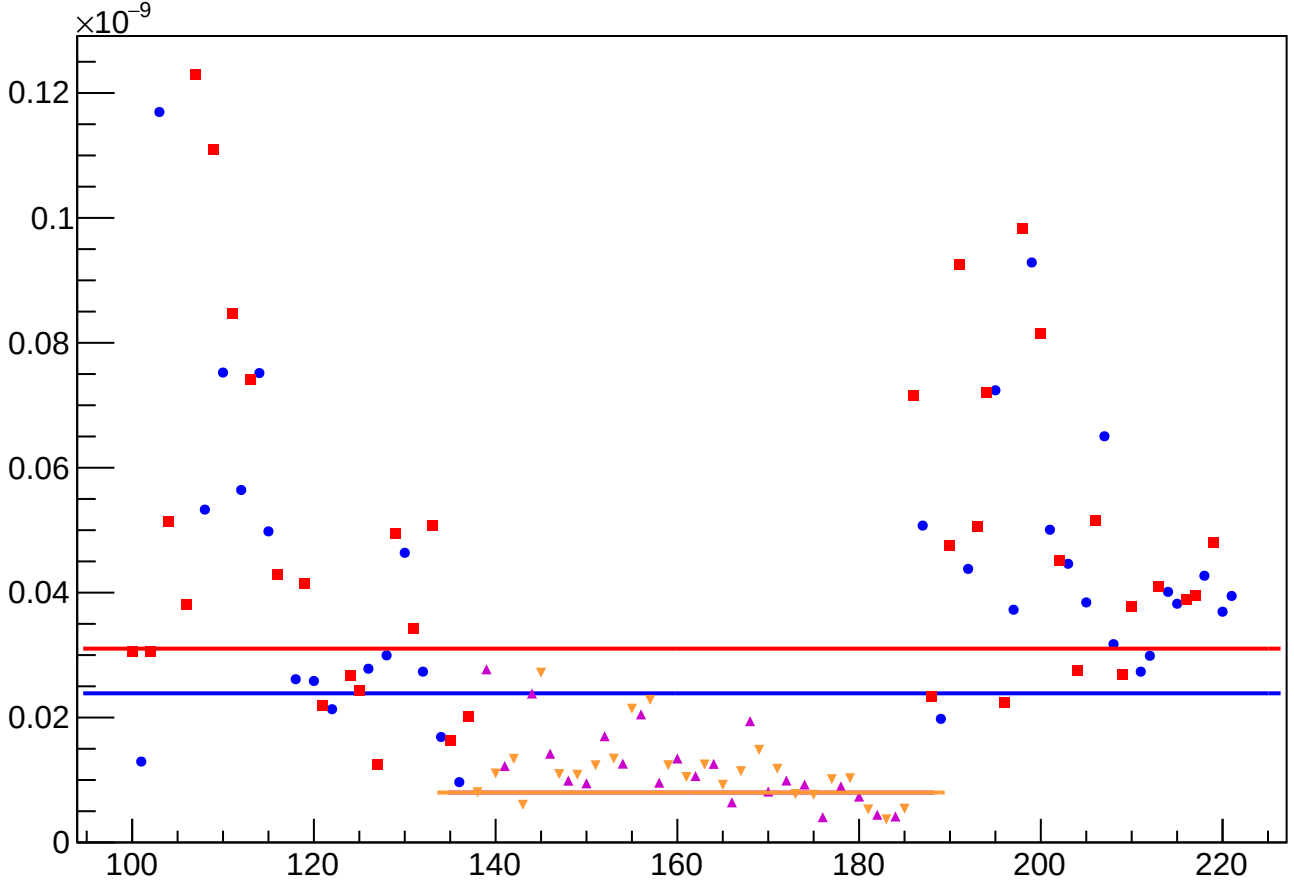
Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.6/58

All: 0.000+/-0.000 χ^2/NDF: 183.3/118

- sign 0.000+/-0.000 χ^2/NDF: 92.2/59

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7290794.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4721831.0/36

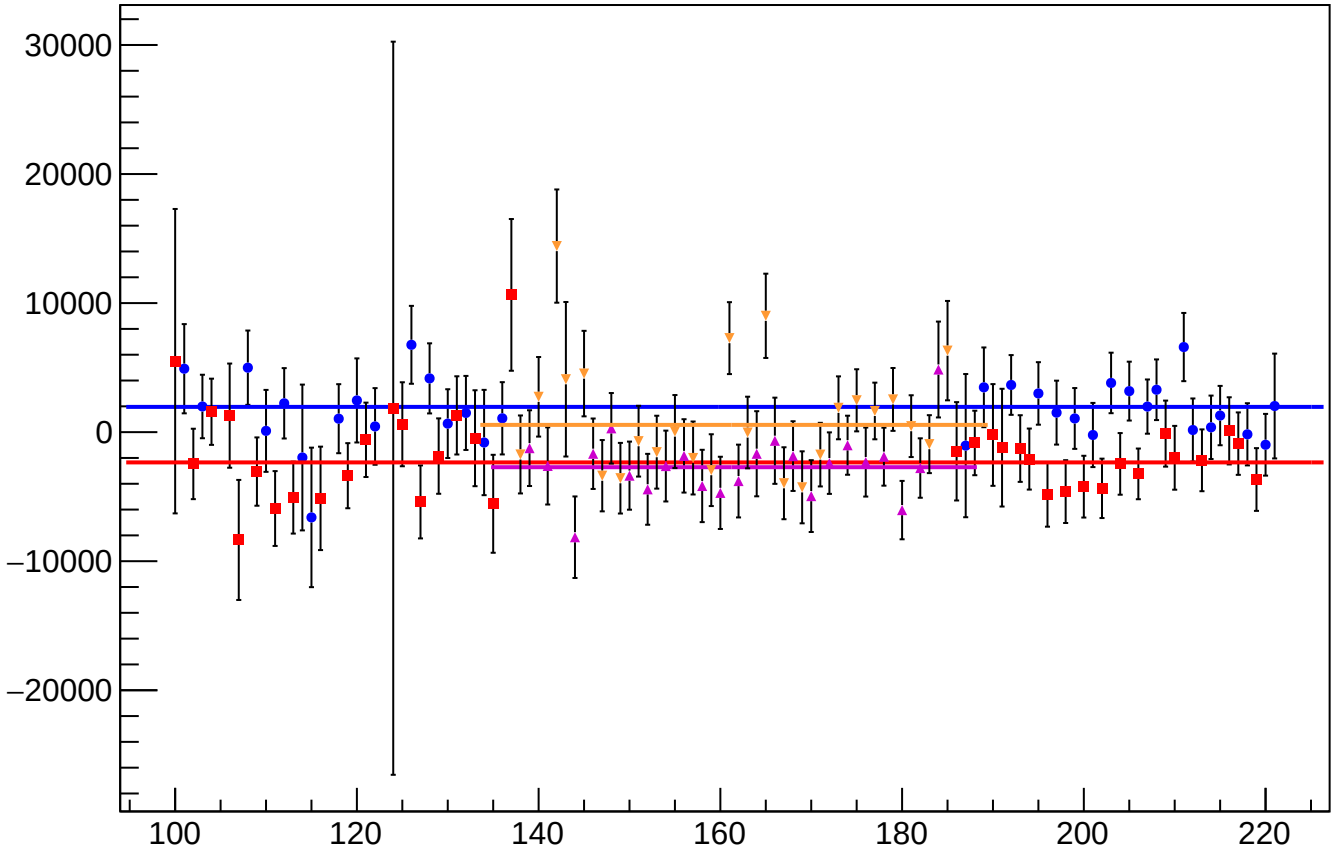
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19420587.6/58

All: 0.000+/-0.000 χ^2/NDF: 39376558.2/118

- sign 0.000+/-0.000 χ^2/NDF: 19955848.1/59

reg_asym_atl2_mean vs Slug



Right In: 1956.919+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2345.062+/-470.119 χ^2/NDF: 24.9/36

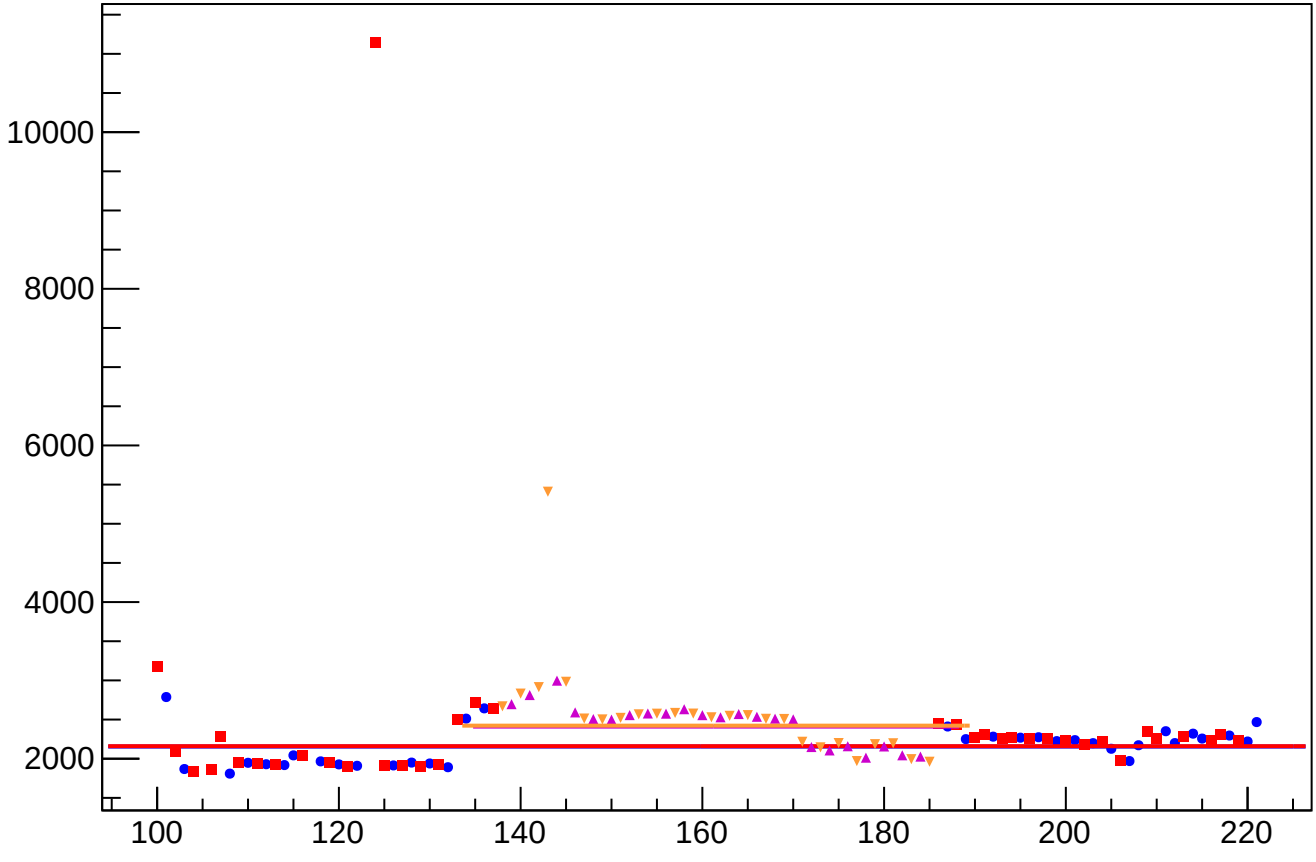
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1380.212+/-358.398 χ^2/NDF: 67.1/58

All: -540.408+/-254.583 χ^2/NDF: 164.4/118

- sign -2496.514+/-361.694 χ^2/NDF: 39.4/59

reg_asym_atl2_rms vs Slug



Right In: 2155.080+/-0.331 χ^2/NDF: 399520.4/33

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.912+/-0.332 χ^2/NDF: 563551.3/36

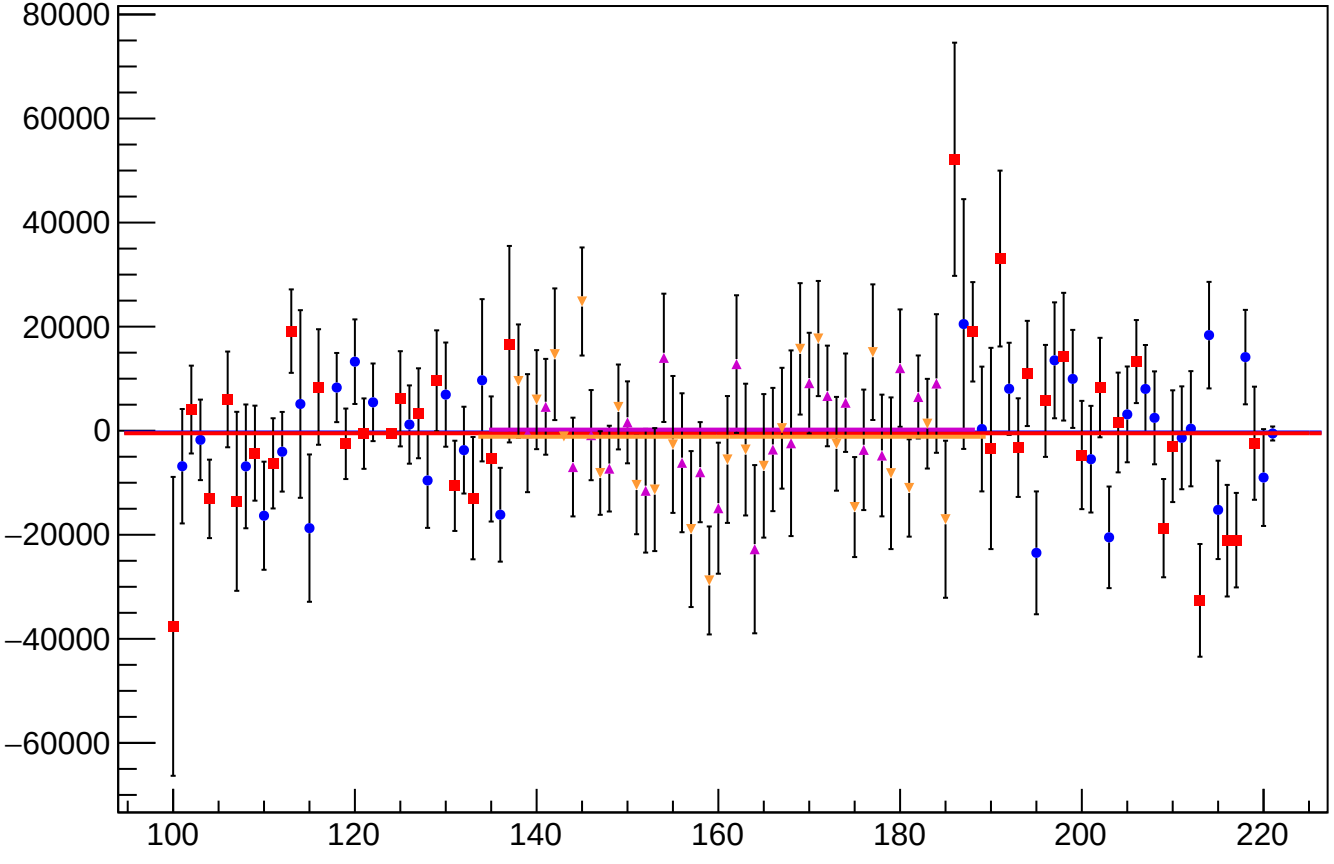
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2265.527+/-0.253 χ^2/NDF: 1621726.5/58

All: 2263.727+/-0.180 χ^2/NDF: 2844372.4/11

- sign 2261.893+/-0.256 χ^2/NDF: 1222544.0/59

asym_atl2_reg_correction_mean vs Slug



Right In: -338.991+/-1047.244 χ^2/NDF: 38.6/33

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -489.714+/-734.437 χ^2/NDF: 60.7/36

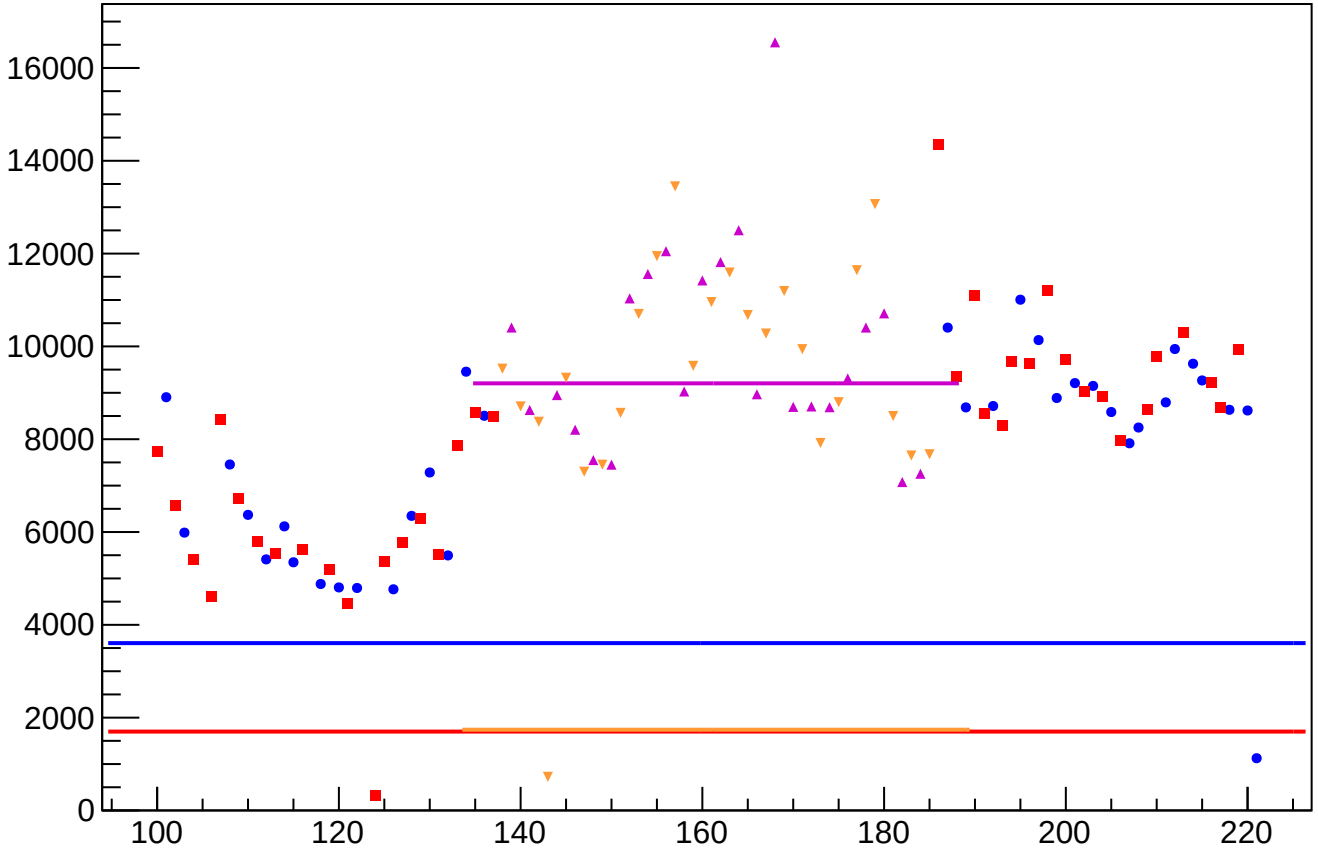
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -876.675+/-613.925 χ^2/NDF: 71.0/58

All: -676.691+/-460.548 χ^2/NDF: 145.4/118

- sign -419.303+/-696.486 χ^2/NDF: 74.2/59

asym_atl2_reg_correction_rms vs Slug



Right In: 3606.031+/-0.741 χ^2/NDF: 19578293.5/33

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

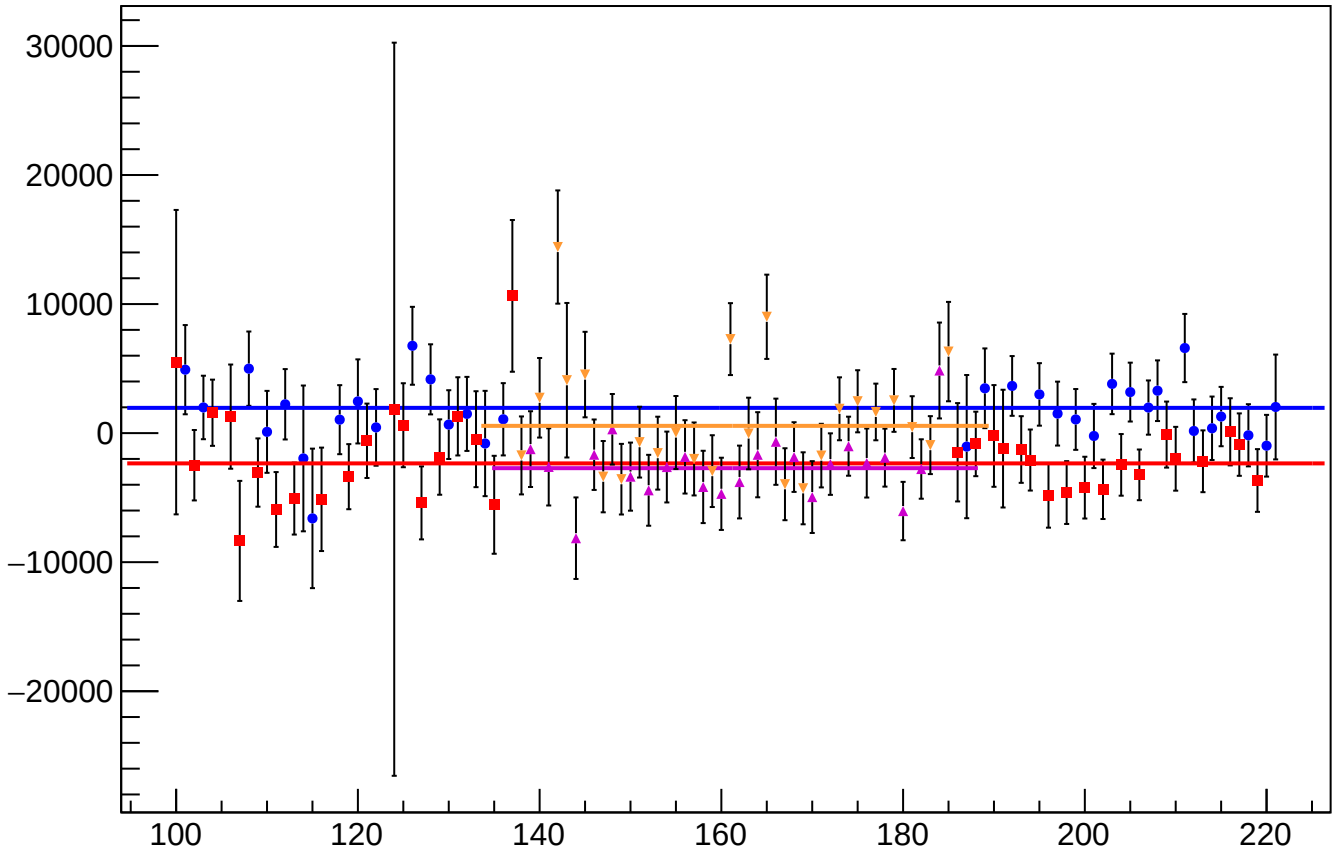
Right Out: 1699.653+/-0.519 χ^2/NDF: 31899830.6/36

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2381.088+/-0.434 χ^2/NDF: 51481426.1/58

All: 2413.470+/-0.326 χ^2/NDF: 105686942.1

- sign 2455.148+/-0.492 χ^2/NDF: 54192789.9/59



Right In: 1956.893+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2345.780+/-470.121 χ^2/NDF: 24.9/36

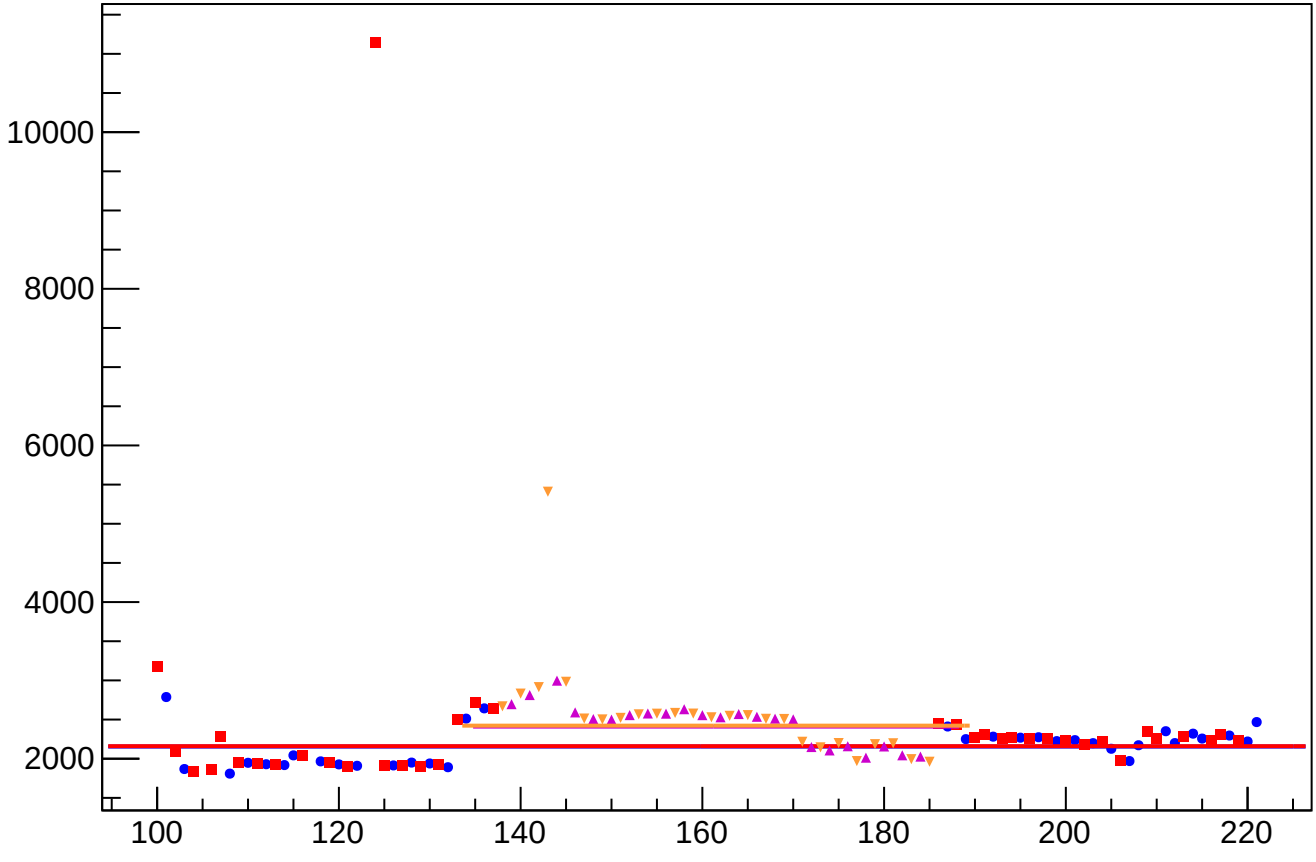
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1380.197+/-358.398 χ^2/NDF: 67.1/58

All: -540.615+/-254.583 χ^2/NDF: 164.5/118

- sign -2496.925+/-361.695 χ^2/NDF: 39.4/59

cor_asym_atl2_rms vs Slug



Right In: 2155.080+/-0.331 χ^2/NDF: 399520.3/33

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

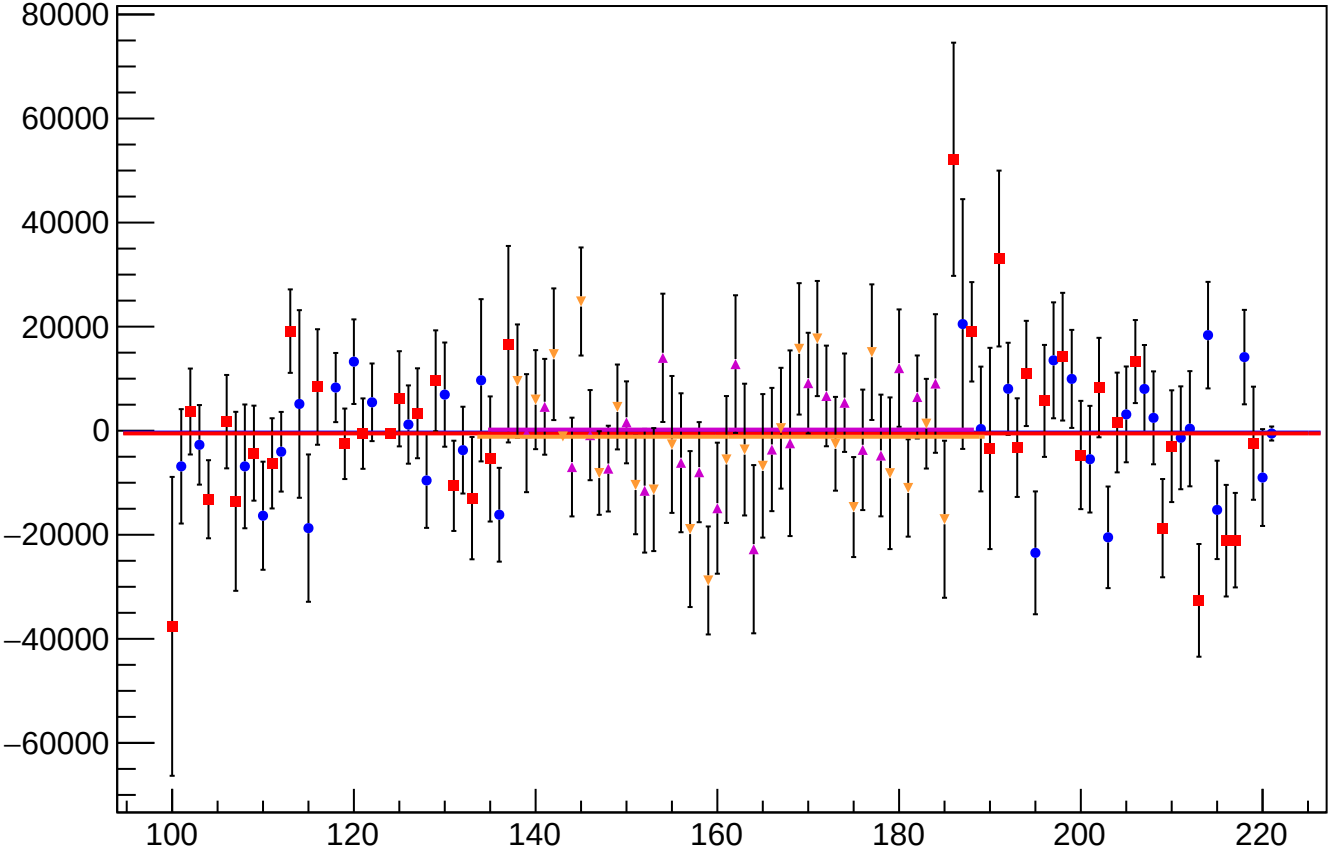
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2265.527+/-0.253 χ^2/NDF: 1621726.6/58

All: 2263.730+/-0.180 χ^2/NDF: 2844343.6/11

- sign 2261.899+/-0.256 χ^2/NDF: 1222515.4/59

asym_atl2_cor_correction_mean vs Slug



Right In: -360.041+/-1048.004 χ^2/NDF: 38.7/33

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -520.168+/-734.141 χ^2/NDF: 60.3/36

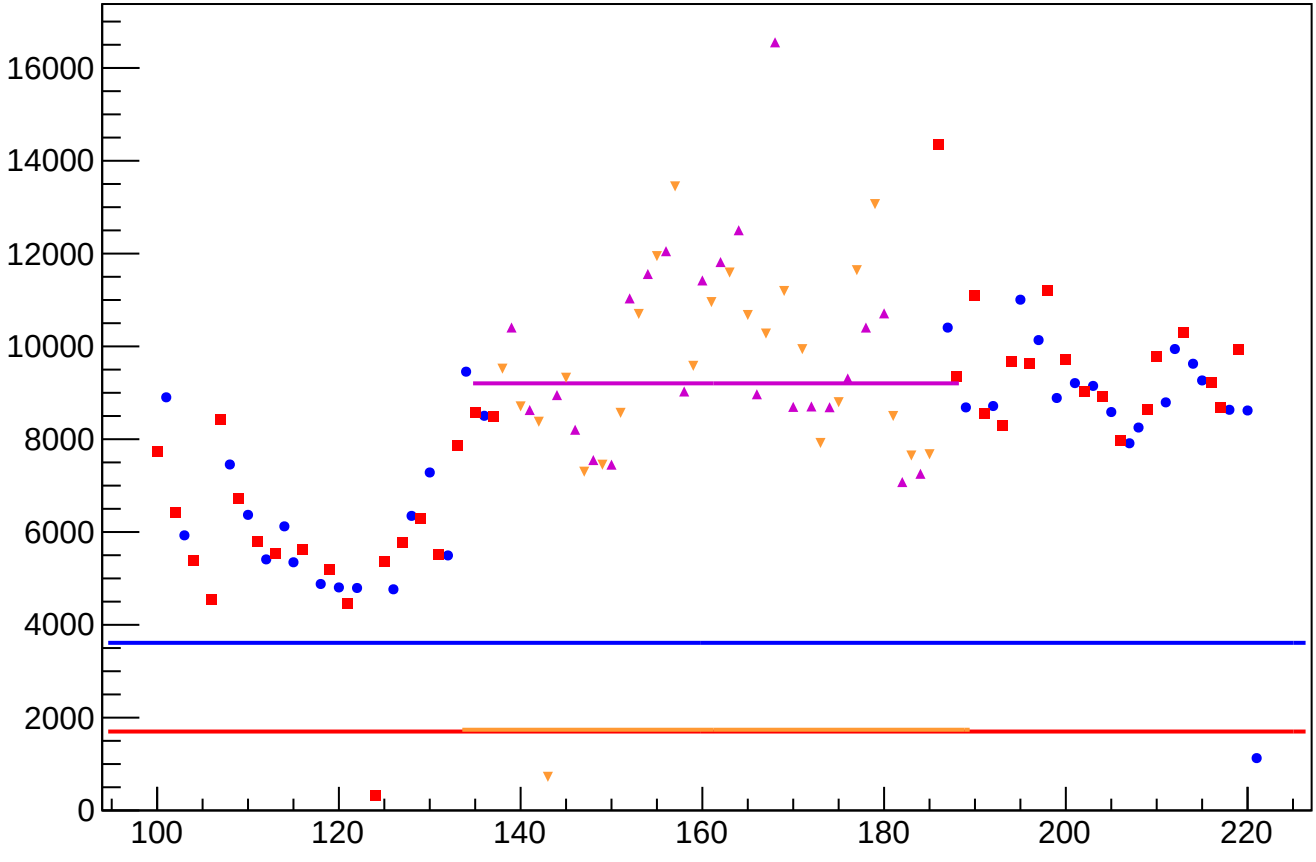
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -884.044+/-614.044 χ^2/NDF: 71.0/58

All: -692.724+/-460.525 χ^2/NDF: 145.1/118

- sign -446.759+/-696.233 χ^2/NDF: 73.8/59

asym_atl2_cor_correction_rms vs Slug



Right In: 3612.149+/-0.741 χ^2/NDF: 19538463.0/33

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

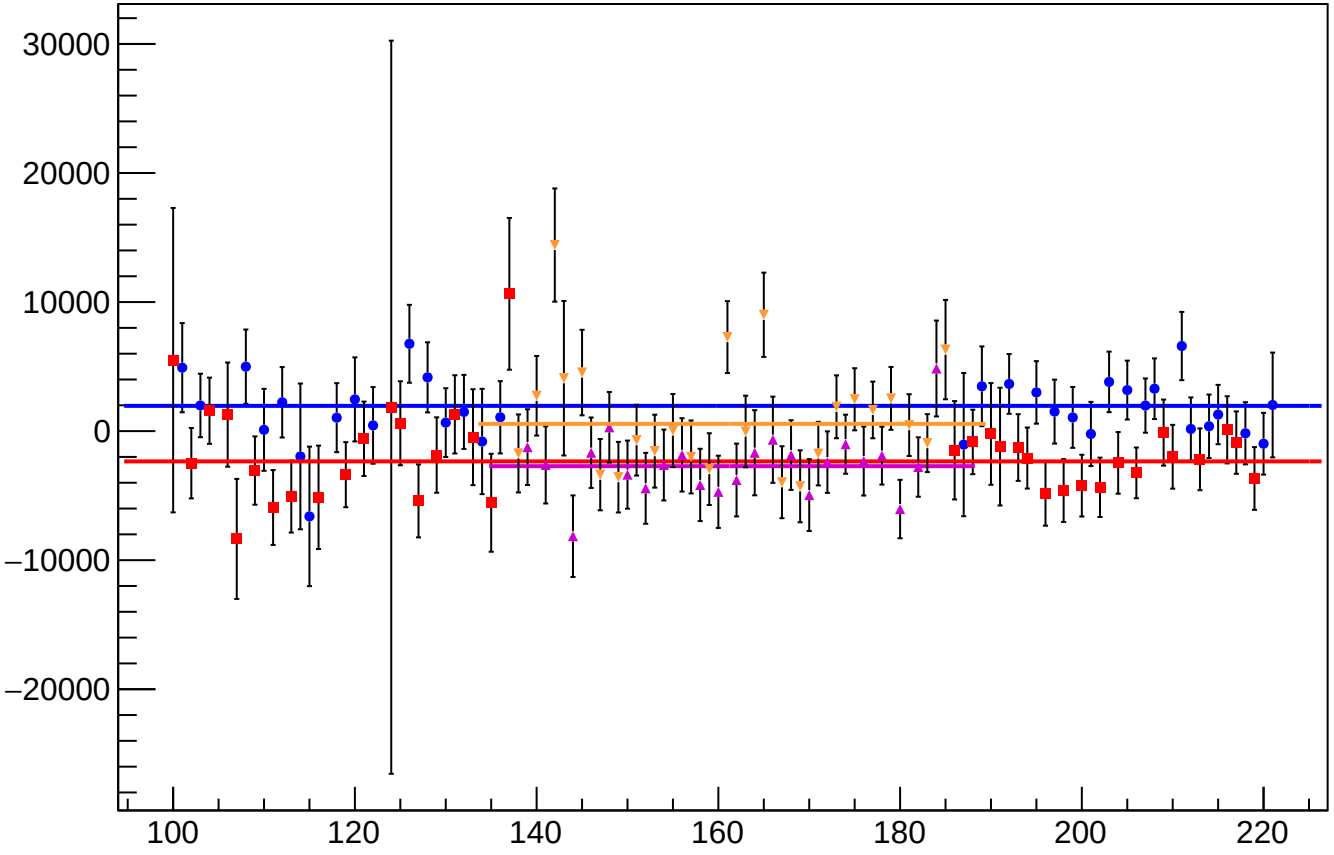
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2382.351+/-0.434 χ^2/NDF: 51467316.3/58

All: 2414.355+/-0.326 χ^2/NDF: 105657911.2

- sign 2455.500+/-0.492 χ^2/NDF: 54178177.1/59

eigen_cor_asym_atl2_mean vs Slug



Right In: 1956.893+/-468.005 χ^2/NDF: 19.4/33

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2345.780+/-470.121 χ^2/NDF: 24.9/36

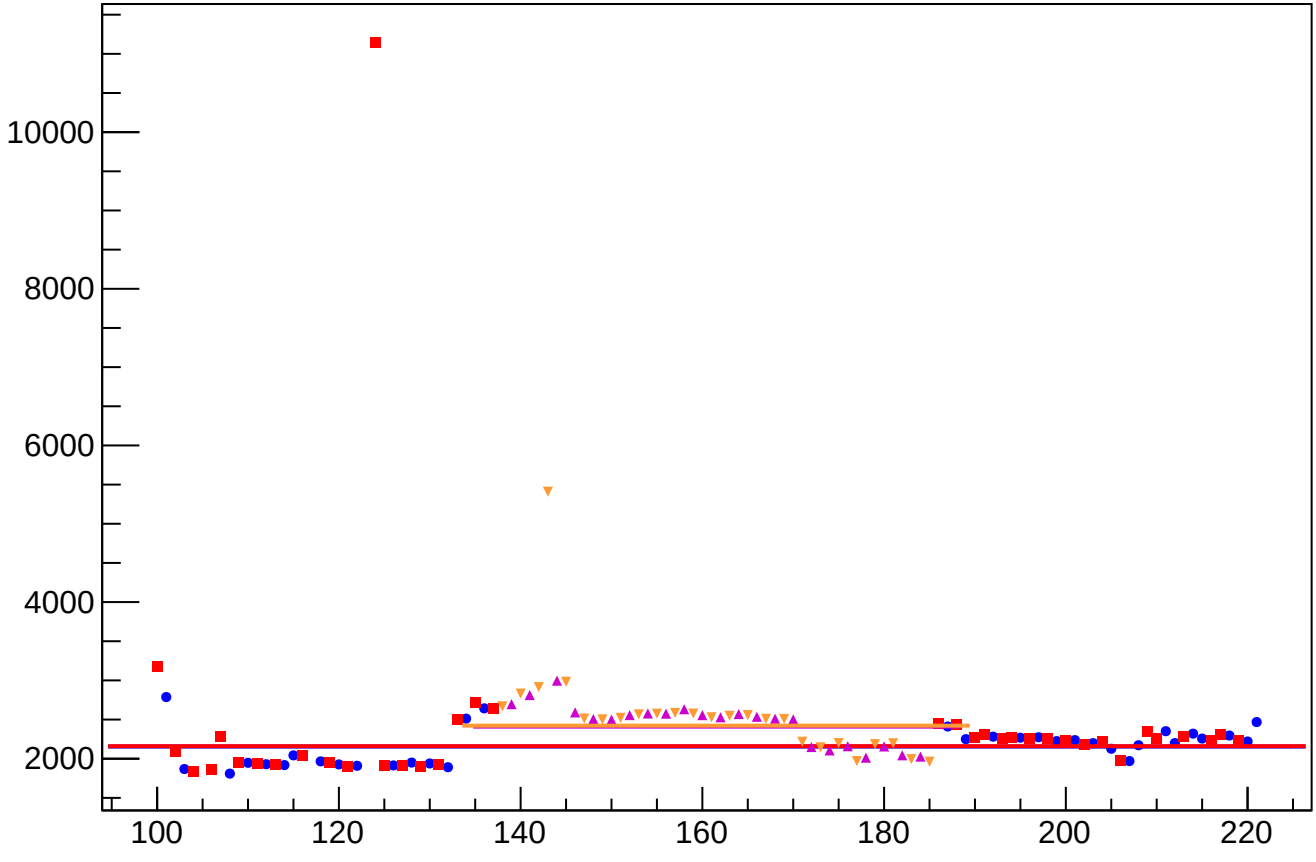
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1380.197+/-358.398 χ^2/NDF: 67.1/58

All: -540.615+/-254.583 χ^2/NDF: 164.5/118

- sign -2496.925+/-361.695 χ^2/NDF: 39.4/59

eigen_cor_asym_atl2_rms vs Slug



Right In: 2155.080+/-0.331 χ^2/NDF: 399520.3/33

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

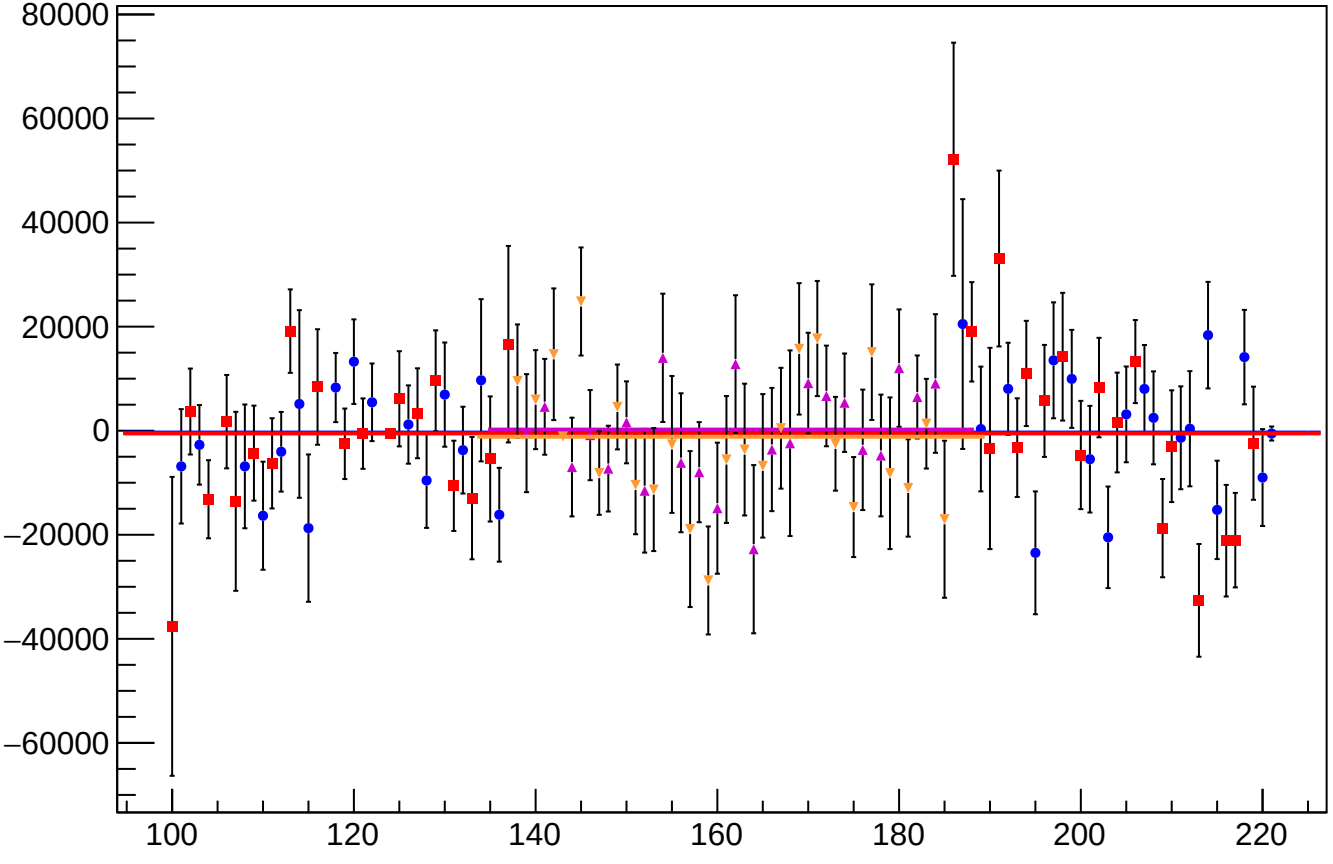
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2265.527+/-0.253 χ^2/NDF: 1621726.6/58

All: 2263.730+/-0.180 χ^2/NDF: 2844343.6/11

- sign 2261.899+/-0.256 χ^2/NDF: 1222515.4/59

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -360.041+/-1048.004 χ^2/NDF: 38.7/33

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -520.168+/-734.141 χ^2/NDF: 60.3/36

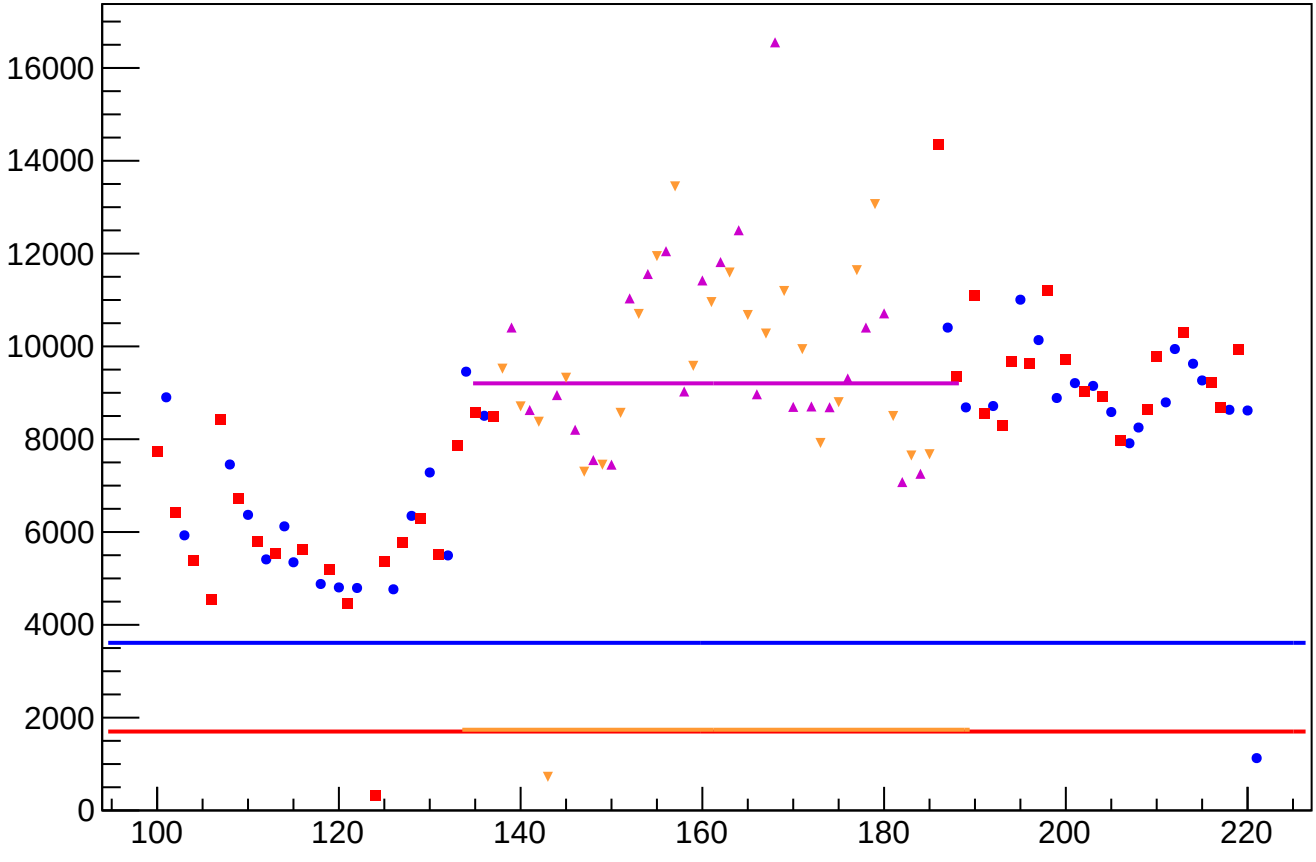
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -884.044+/-614.044 χ^2/NDF: 71.0/58

All: -692.724+/-460.525 χ^2/NDF: 145.1/118

\- sign -446.759+/-696.233 χ^2/NDF: 73.8/59

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 3612.149+/-0.741 χ^2/NDF: 19538463.0/33

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

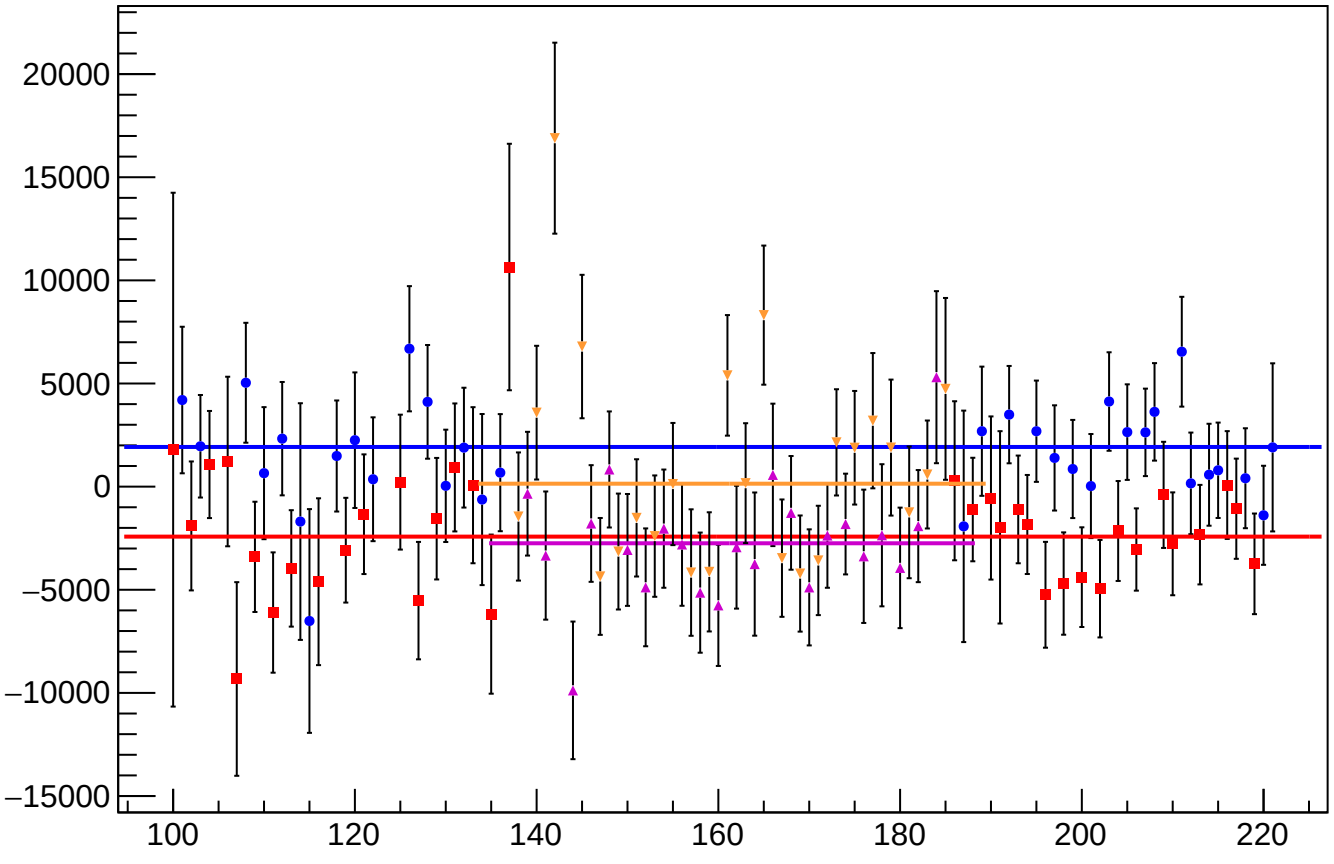
Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2382.351+/-0.434 χ^2/NDF: 51467316.3/58

All: 2414.355+/-0.326 χ^2/NDF: 105657911.2

- sign 2455.500+/-0.492 χ^2/NDF: 54178177.1/59



Right In: 1923.225+/-473.425 χ^2/NDF: 18.8/33

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2423.241+/-477.197 χ^2/NDF: 24.1/35

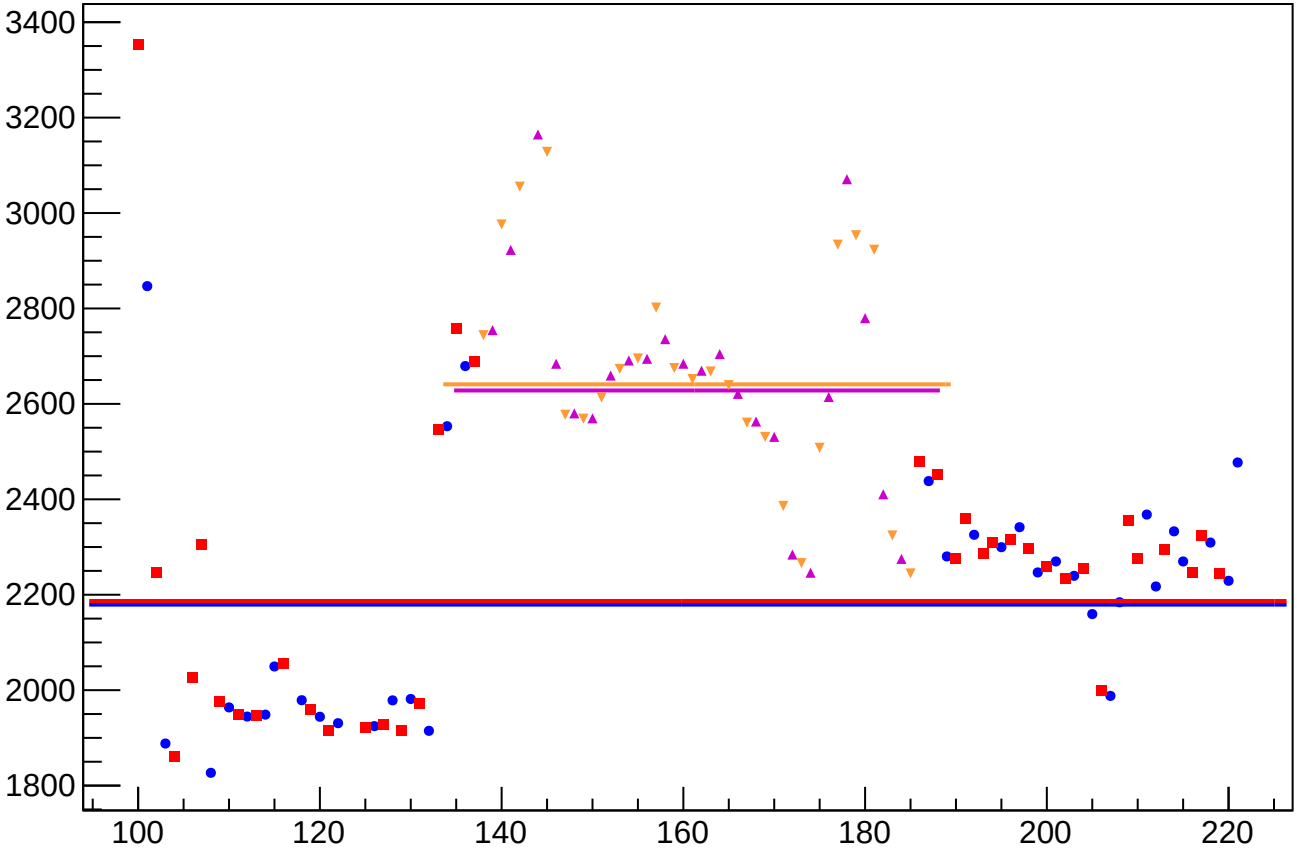
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1261.621+/-375.311 χ^2/NDF: 69.9/57

All: -631.399+/-266.076 χ^2/NDF: 160.8/116

- sign -2544.253+/-377.272 χ^2/NDF: 39.7/58

dit_asym_atl2_rms vs Slug



Right In: 2179.316+/-0.335 χ^2/NDF: 408086.3/33

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362794.6/35

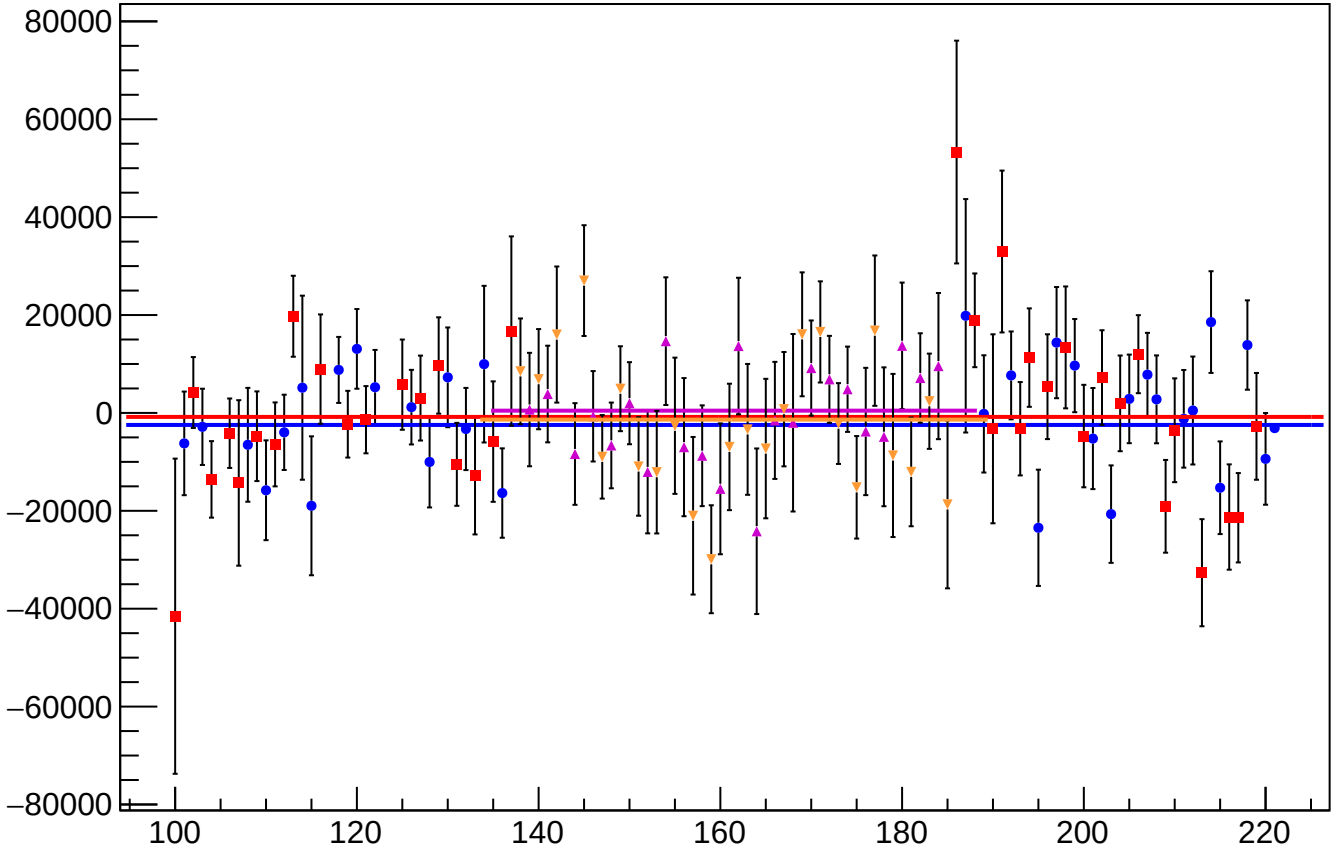
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2350.844+/-0.265 χ^2/NDF: 1368133.2/57

All: 2351.517+/-0.188 χ^2/NDF: 2609877.6/11

- sign 2352.196+/-0.267 χ^2/NDF: 1241731.4/58

asym_atl2_dit_correction_mean vs Slug



Right In: -2454.537+/-781.427 χ^2/NDF: 40.7/33

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -814.039+/-1633.329 χ^2/NDF: 60.1/35

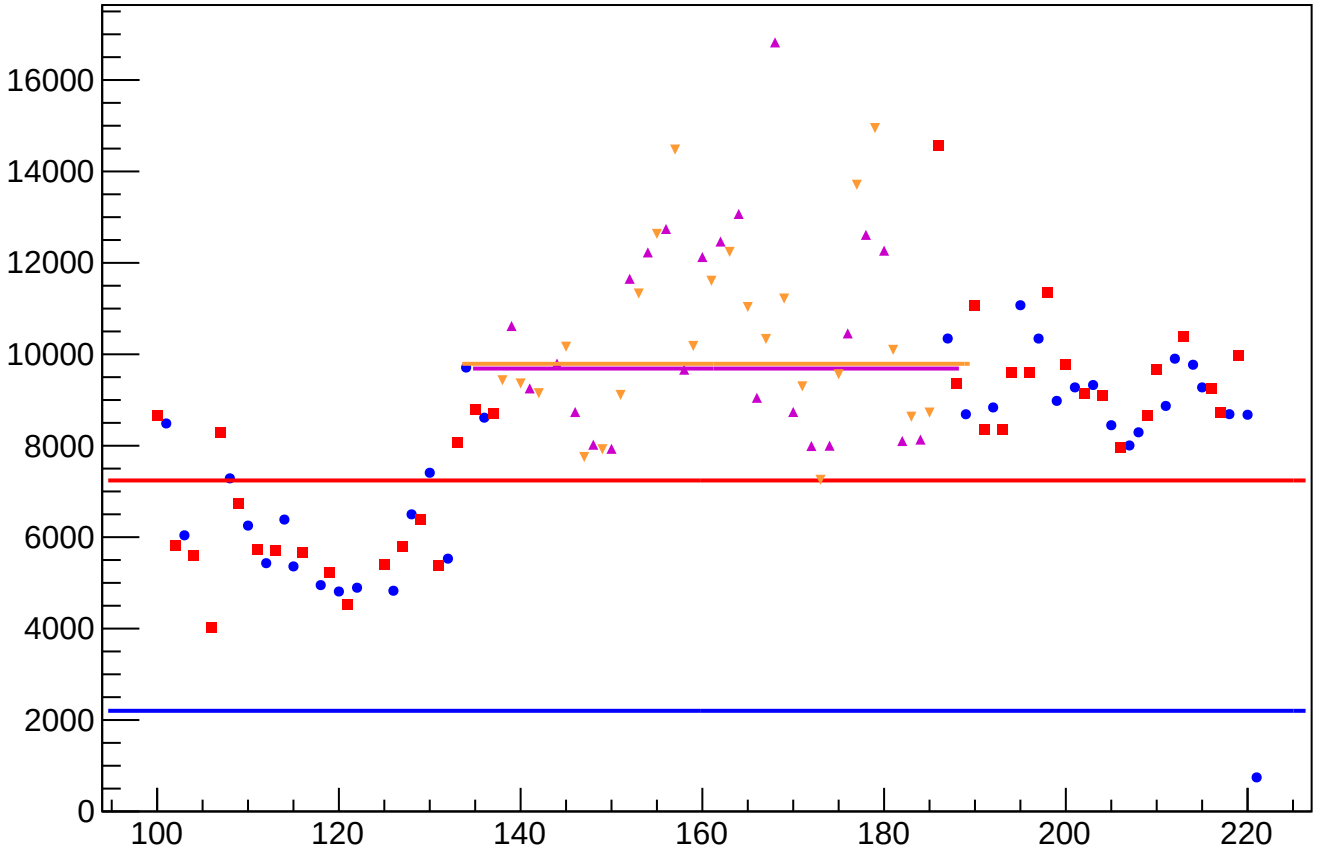
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -2344.250+/-740.752 χ^2/NDF: 72.1/57

All: -1883.762+/-647.664 χ^2/NDF: 147.1/116

- sign -389.231+/-1334.491 χ^2/NDF: 73.4/58

asym_atl2_dit_correction_rms vs Slug



Right In: 2201.572+/-0.553 χ^2/NDF: 27438678.0/33

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

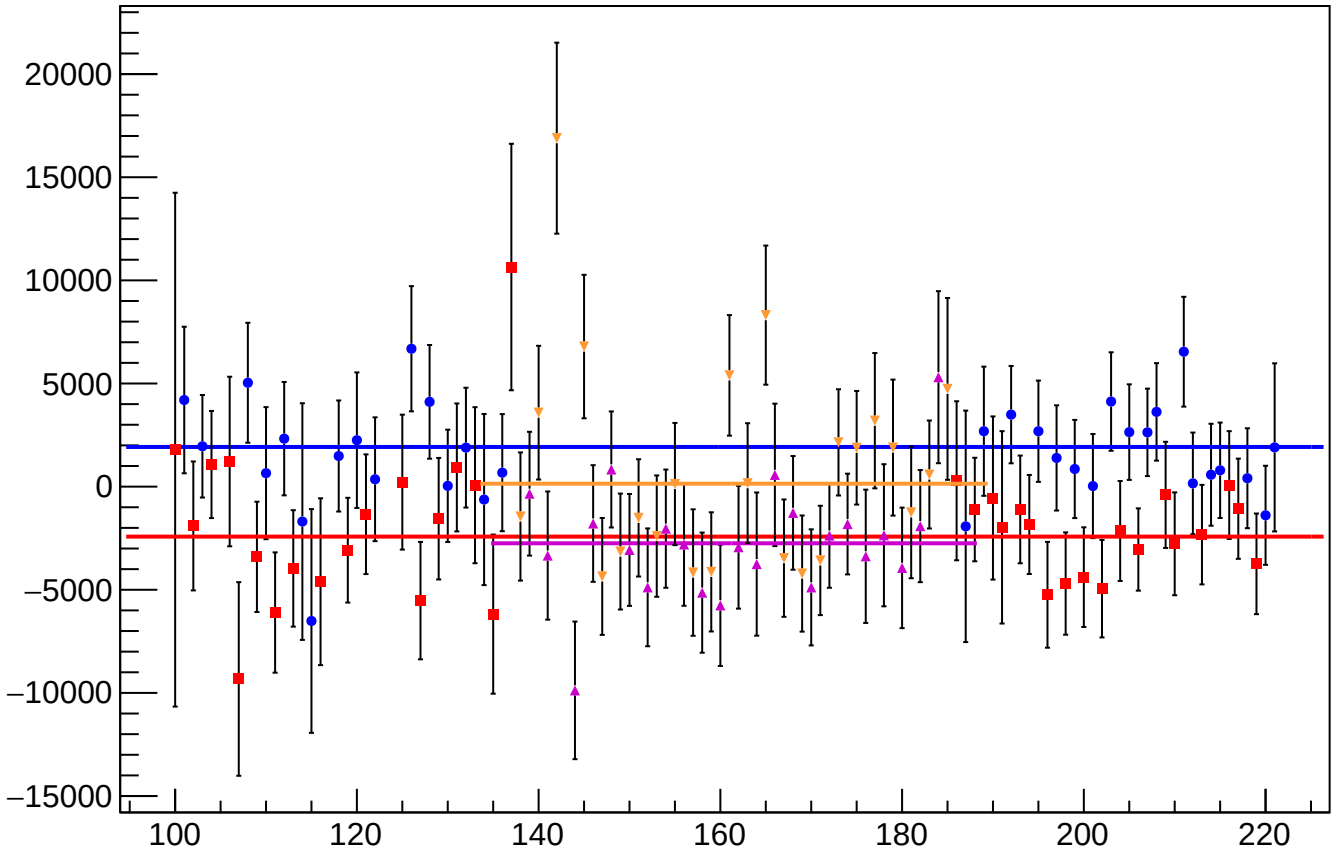
Right Out: 7240.136+/-1.155 χ^2/NDF: 3243484.9/35

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 2971.230+/-0.524 χ^2/NDF: 47792830.3/57

All: 4168.430+/-0.458 χ^2/NDF: 76087587.4/1

- sign 8053.986+/-0.944 χ^2/NDF: 6115299.5/58



Right In: 1923.229+/-473.425 χ^2/NDF: 18.8/33

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2423.236+/-477.197 χ^2/NDF: 24.1/35

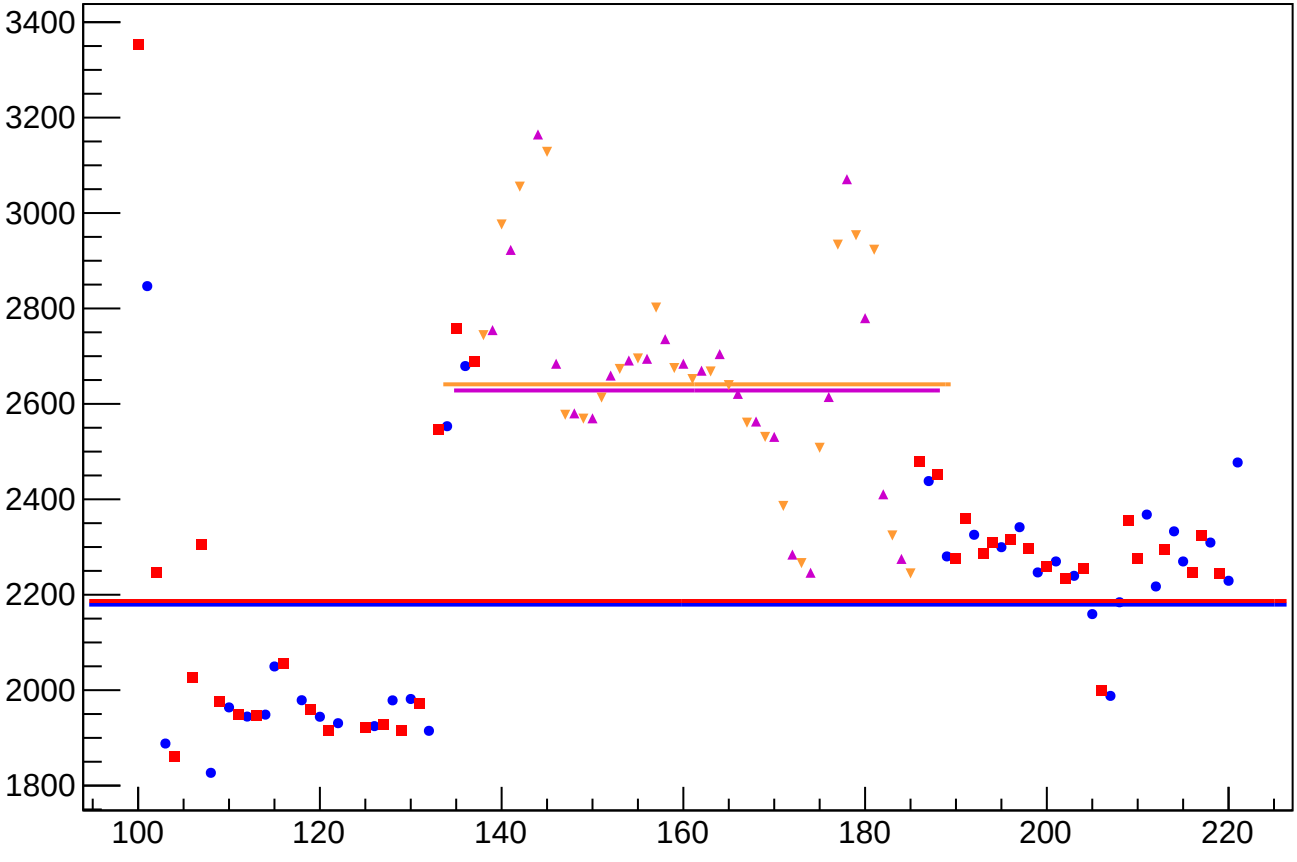
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1261.621+/-375.311 χ^2/NDF: 69.9/57

All: -631.397+/-266.076 χ^2/NDF: 160.8/116

- sign -2544.249+/-377.272 χ^2/NDF: 39.7/58

eigen_dit_asym_atl2_rms vs Slug



Right In: 2179.316+/-0.335 χ^2/NDF: 408086.3/33

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362795.2/35

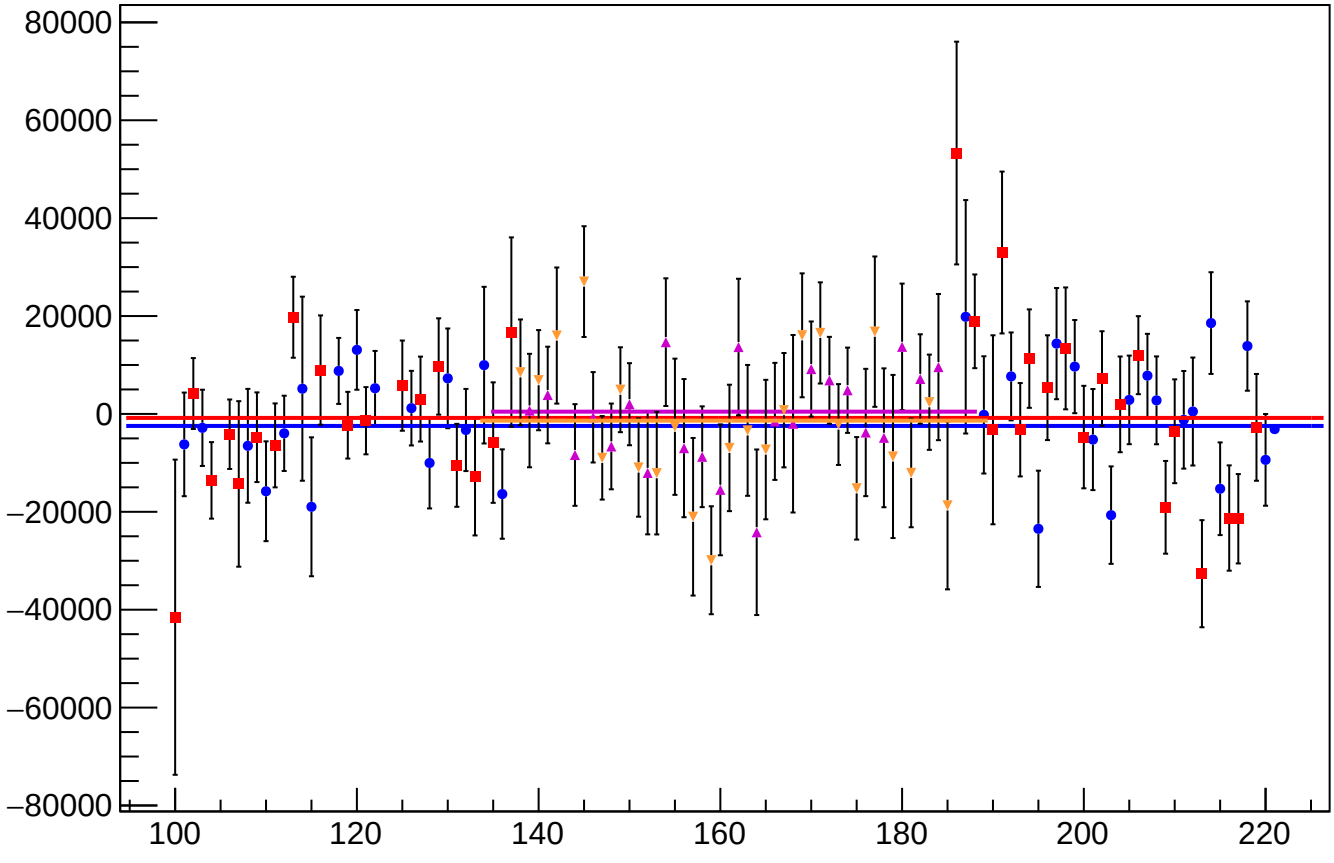
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2350.845+/-0.265 χ^2/NDF: 1368148.0/57

All: 2351.518+/-0.188 χ^2/NDF: 2609907.9/11

- sign 2352.197+/-0.267 χ^2/NDF: 1241747.0/58

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -2454.536+/-781.429 χ^2/NDF: 40.7/33

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -814.044+/-1633.327 χ^2/NDF: 60.1/35

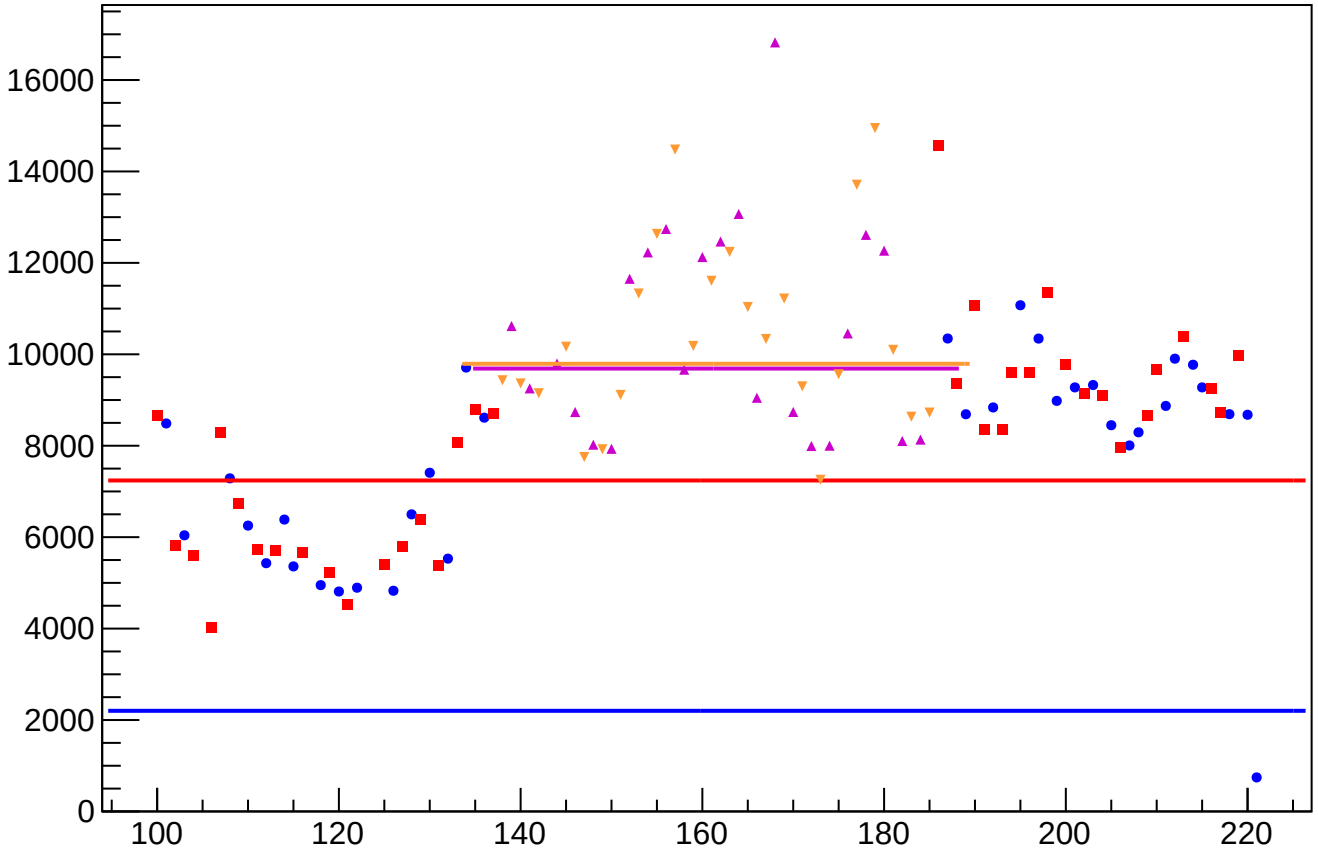
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

\+ sign -2344.250+/-740.753 χ^2/NDF: 72.1/57

All: -1883.761+/-647.665 χ^2/NDF: 147.1/116

\- sign -389.235+/-1334.491 χ^2/NDF: 73.4/58

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 2201.580+/-0.553 χ^2/NDF: 27438639.2/33

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

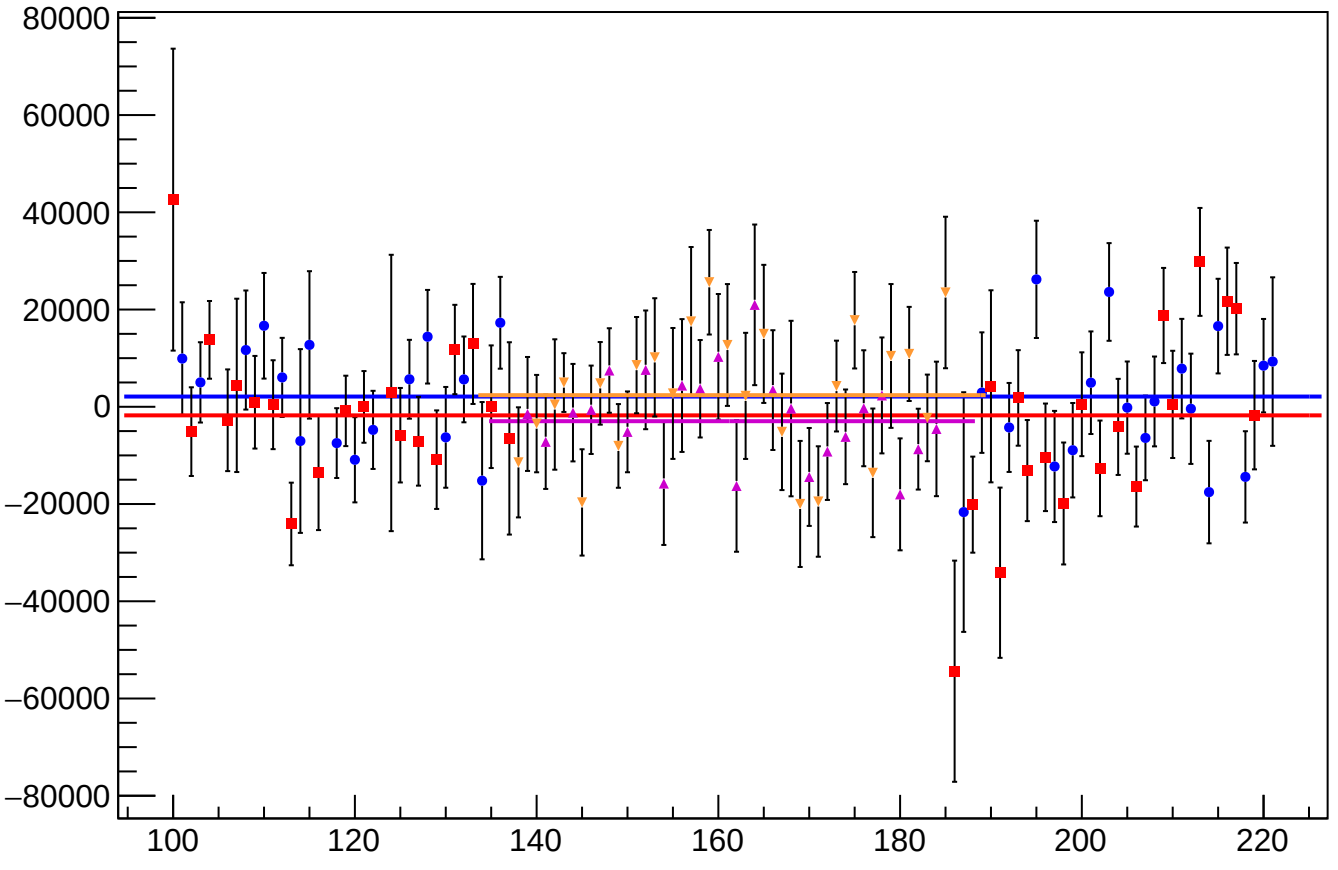
Right Out: 7240.125+/-1.155 χ^2/NDF: 3243529.0/35

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 2971.239+/-0.524 χ^2/NDF: 47792769.5/57

All: 4168.440+/-0.458 χ^2/NDF: 76087455.9/1

- sign 8053.981+/-0.944 χ^2/NDF: 6115375.5/58



Right In: 2104.014+/-1732.484 χ^2/NDF: 38.8/33

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -1766.241+/-1730.560 χ^2/NDF: 62.6/36

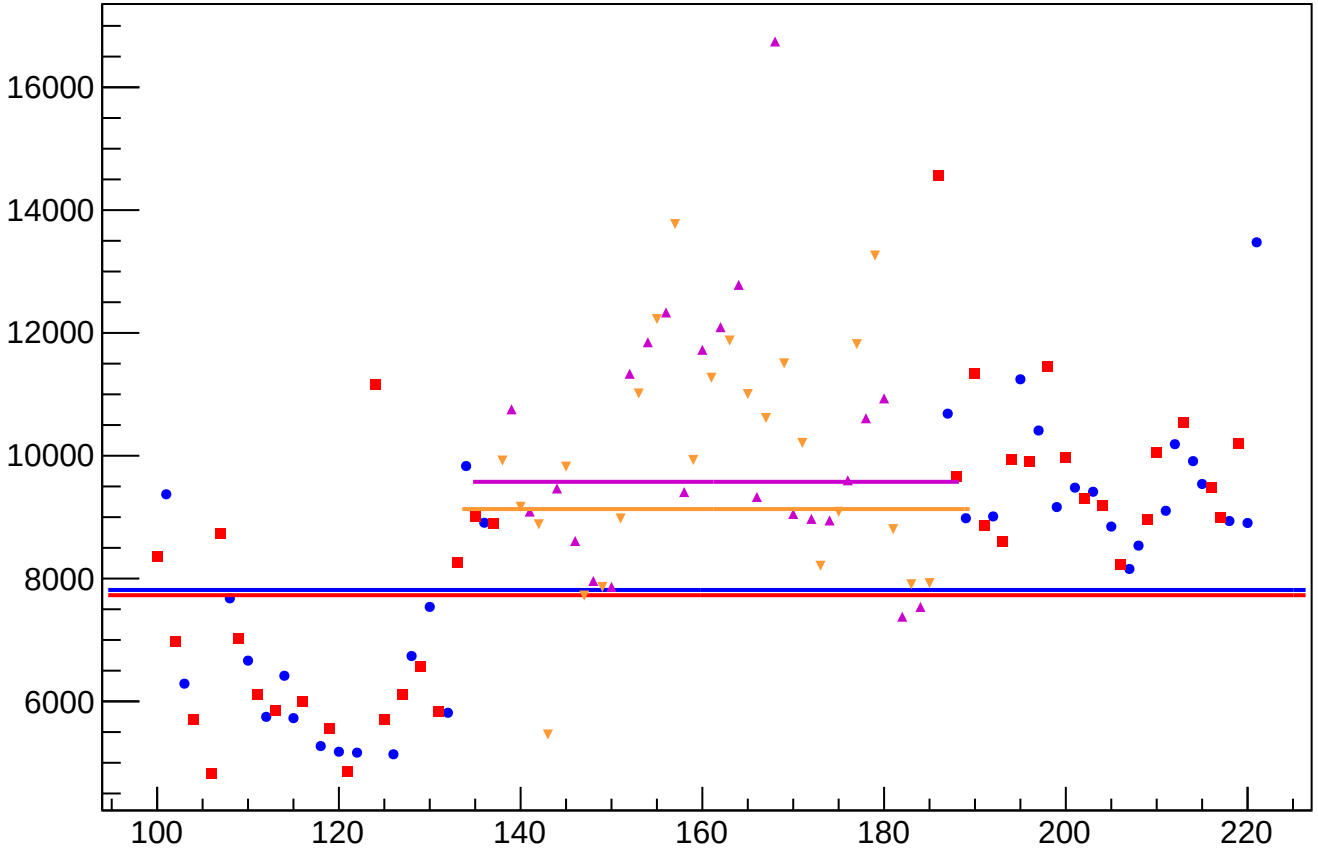
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2216.613+/-1345.667 χ^2/NDF: 68.5/58

All: 59.062+/-962.834 χ^2/NDF: 149.5/118

- sign -2204.145+/-1378.222 χ^2/NDF: 75.7/59

asym_atl2_rms vs Slug



Right In: 7814.362+/-1.225 χ^2/NDF: 2411557.1/33

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

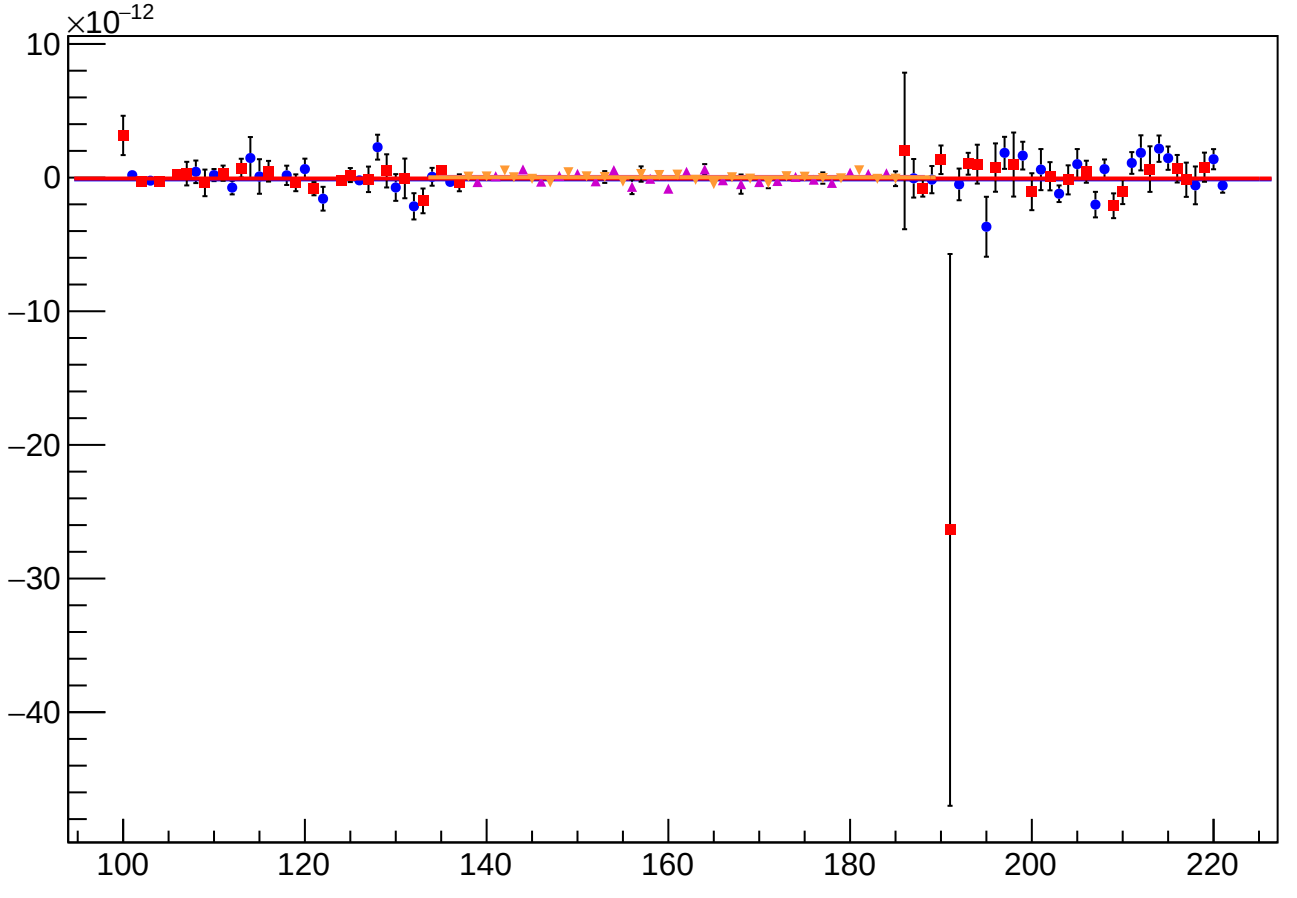
Right Out: 7729.124+/-1.224 χ^2/NDF: 2638559.5/36

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

\+ sign 8336.939+/-0.952 χ^2/NDF: 4681949.6/58

All: 8369.827+/-0.681 χ^2/NDF: 9309191.5/11

\- sign 8404.326+/-0.975 χ^2/NDF: 4624794.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 57.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/36

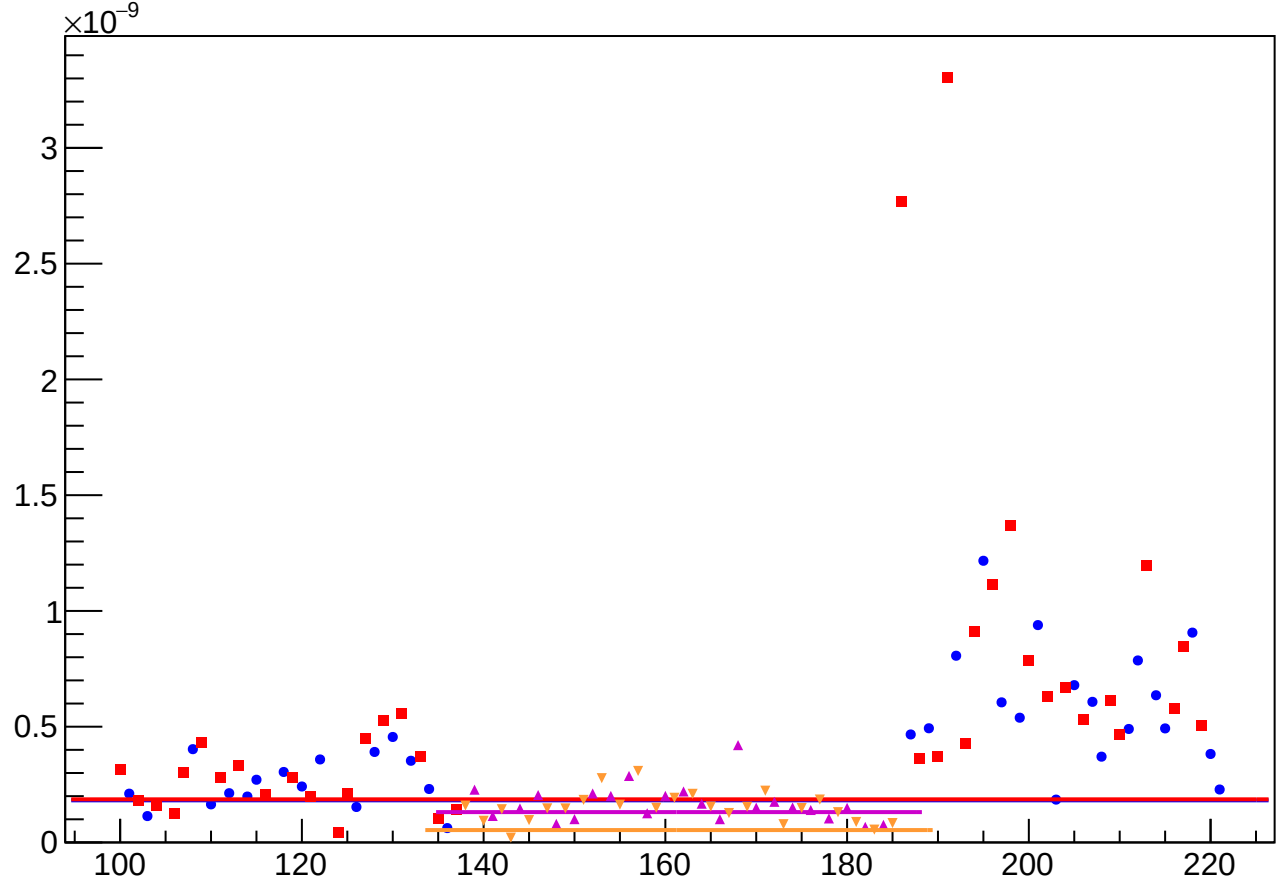
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.0/58

All: 0.000+/-0.000 χ^2/NDF: 152.7/118

- sign 0.000+/-0.000 χ^2/NDF: 74.6/59

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7542239.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9010674.6/36

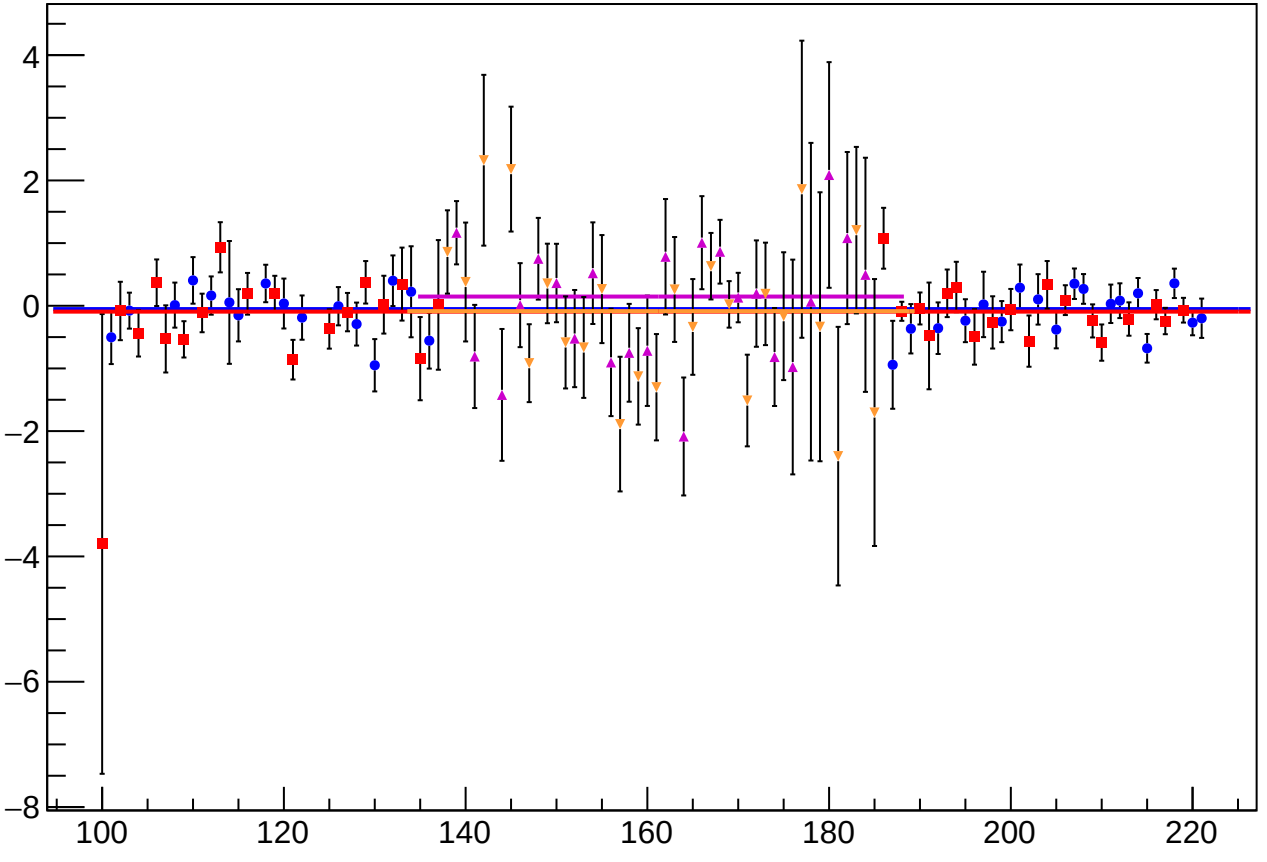
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18664444.6/58

All: 0.000+/-0.000 χ^2/NDF: 34362635.9/118

- sign 0.000+/-0.000 χ^2/NDF: 11464395.3/59

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

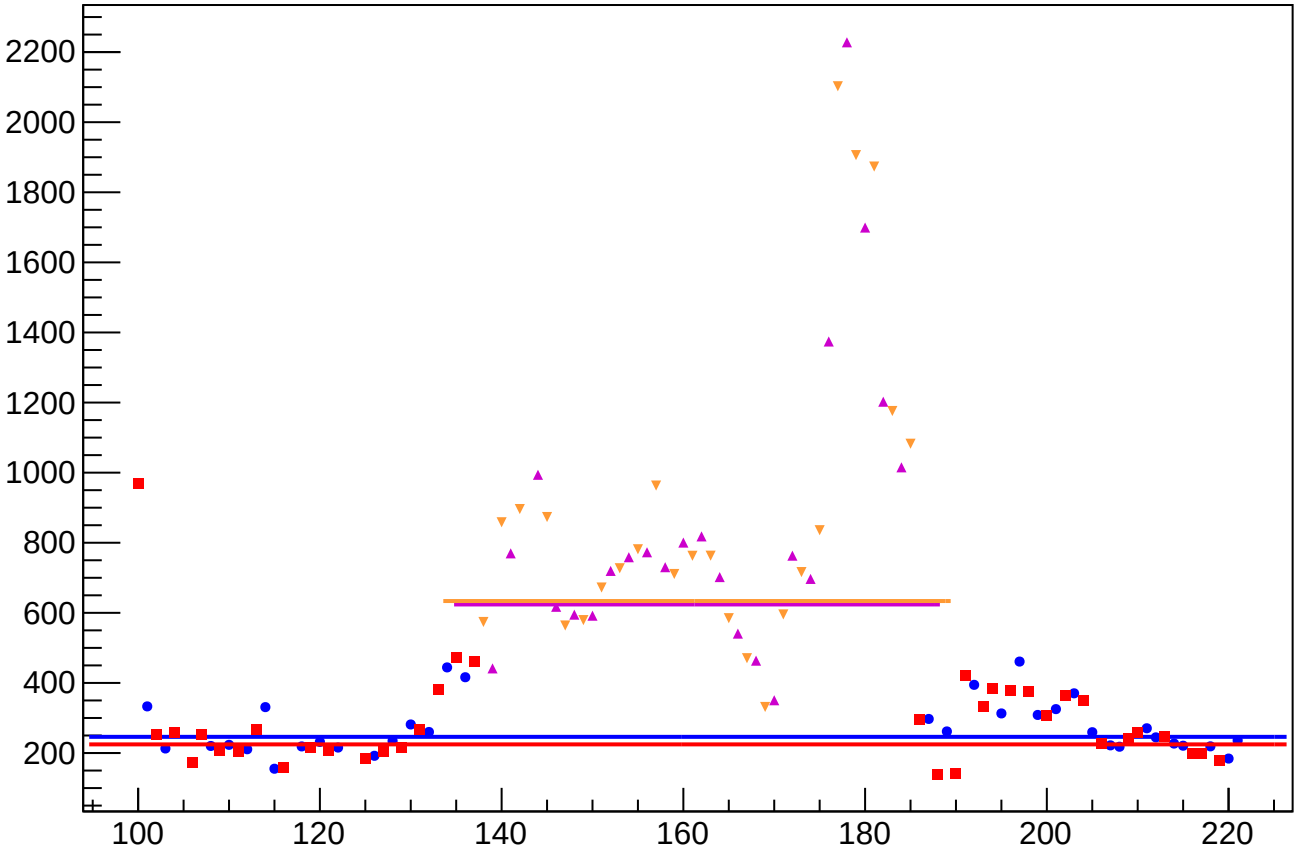
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 136.7/116

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 246.177+/-0.039 χ^2/NDF: 2184543.4/33

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

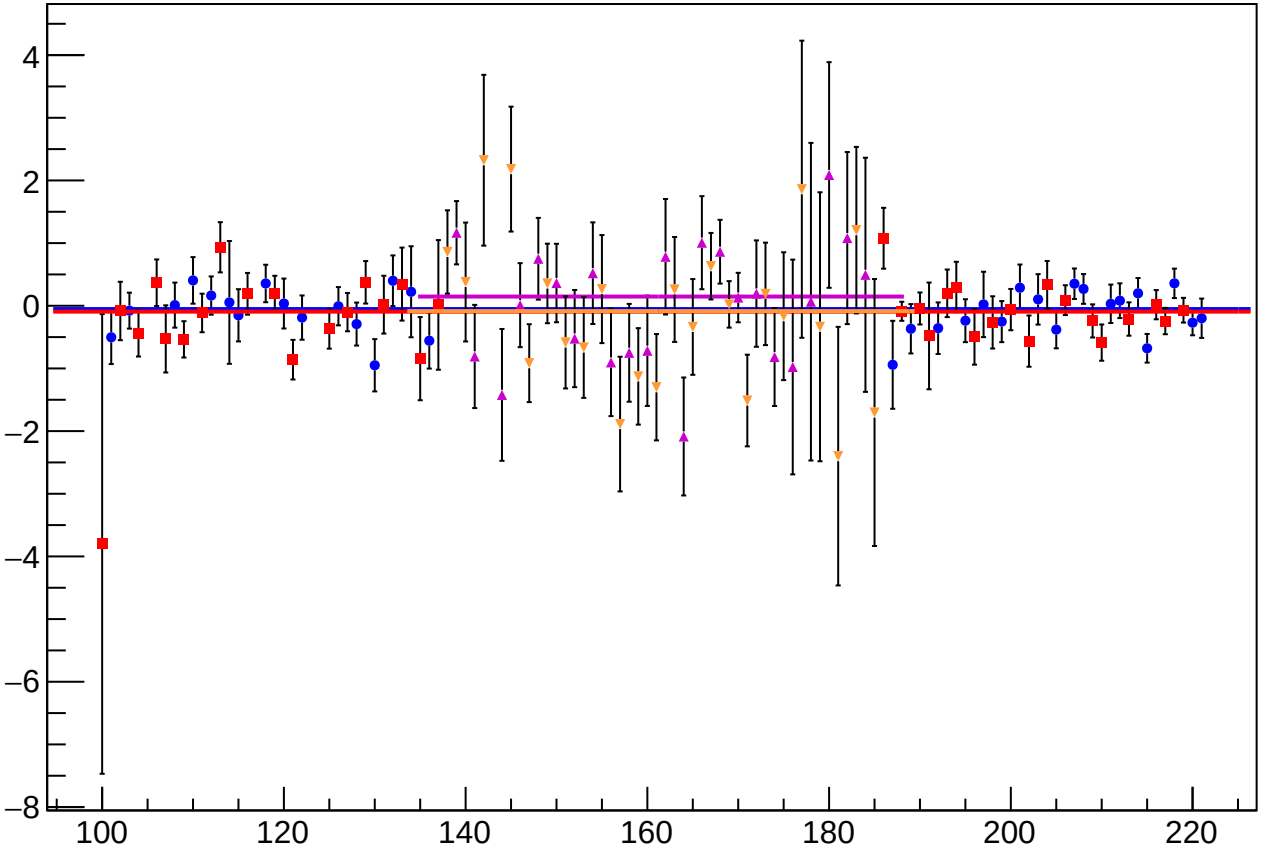
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 287.520+/-0.037 χ^2/NDF: 17472818.9/57

All: 275.530+/-0.026 χ^2/NDF: 37301230.4/11

- sign 264.704+/-0.035 χ^2/NDF: 19631626.9/58

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

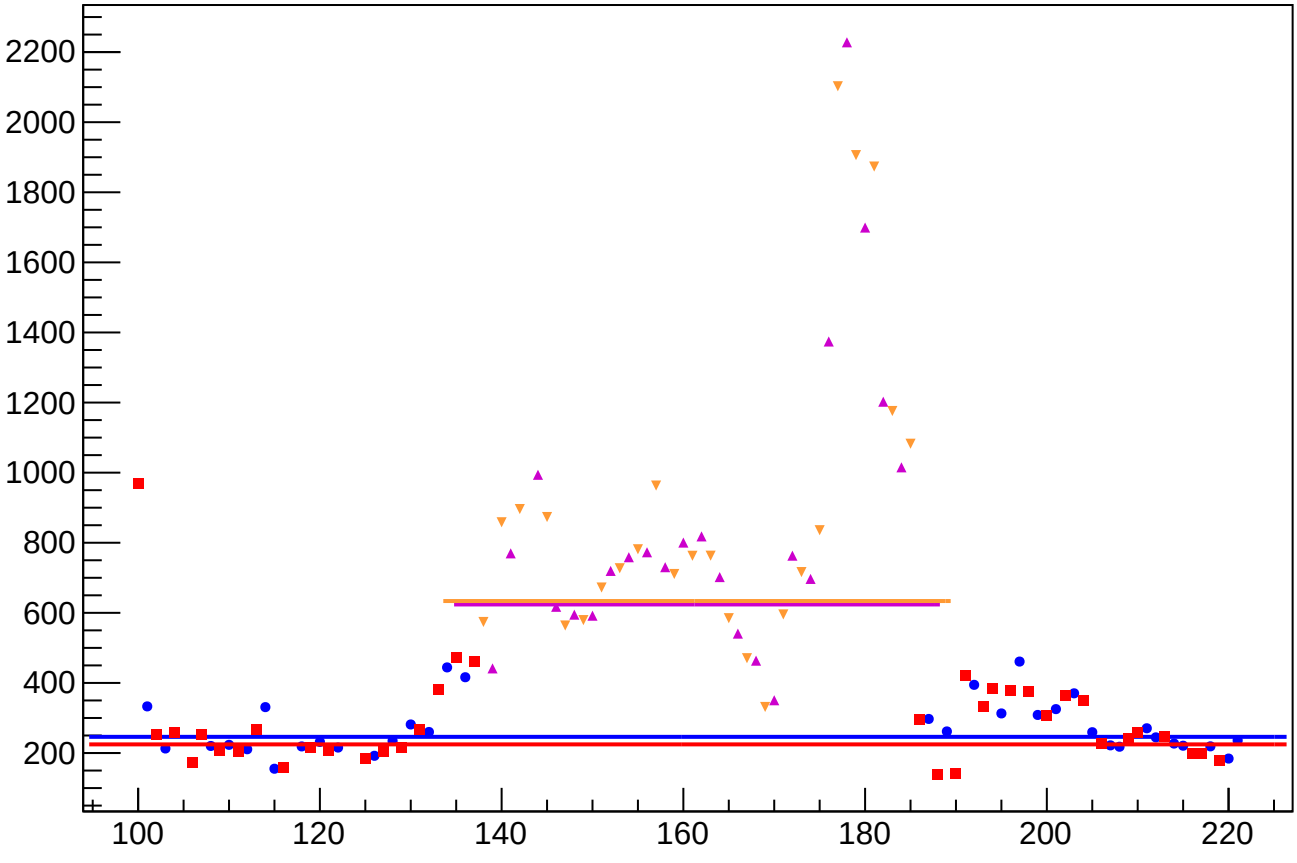
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 136.7/116

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 246.177+/-0.039 χ^2/NDF: 2184543.4/33

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

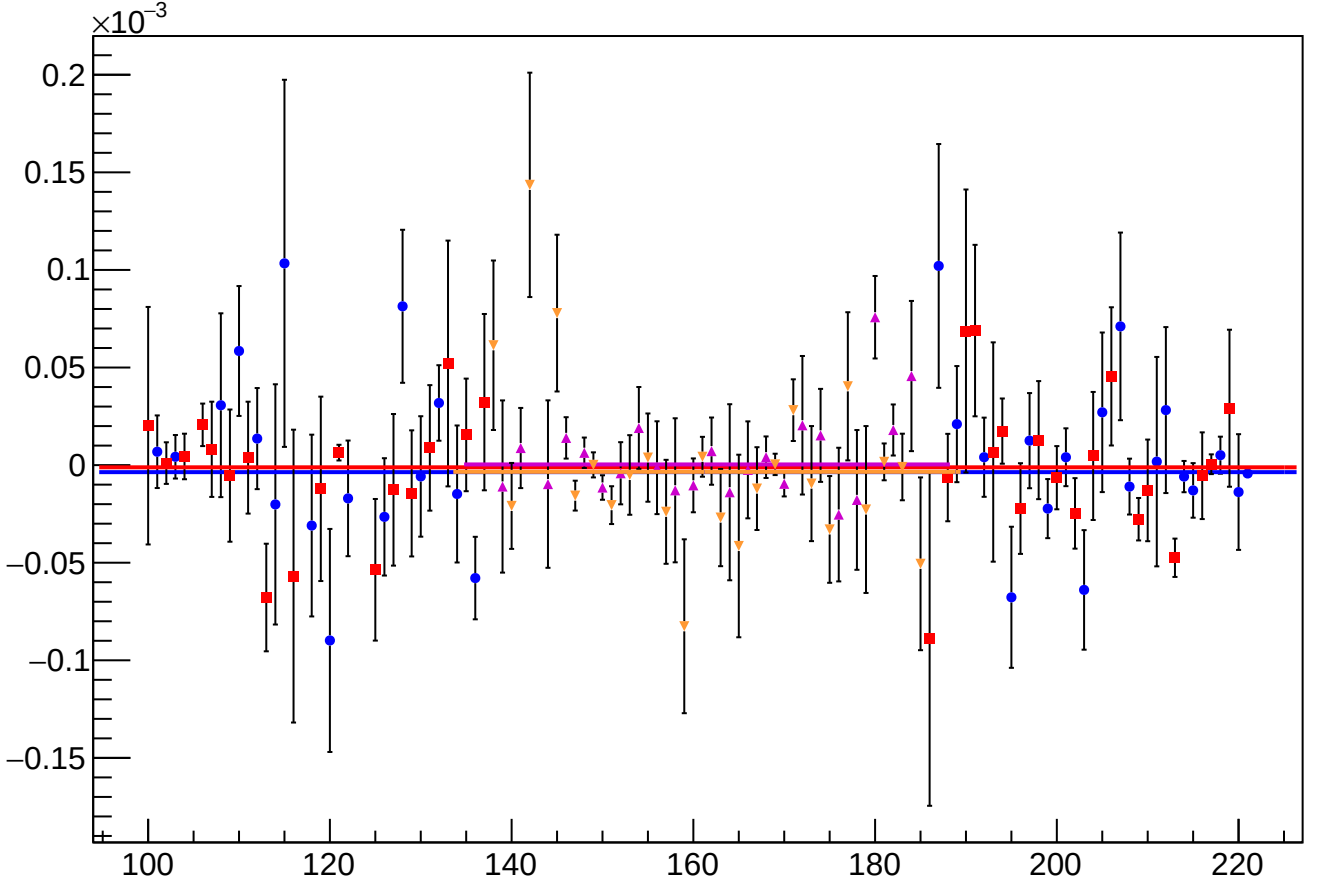
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 287.520+/-0.037 χ^2/NDF: 17472818.9/57

All: 275.530+/-0.026 χ^2/NDF: 37301230.4/11

- sign 264.704+/-0.035 χ^2/NDF: 19631626.9/58

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 58.2/35

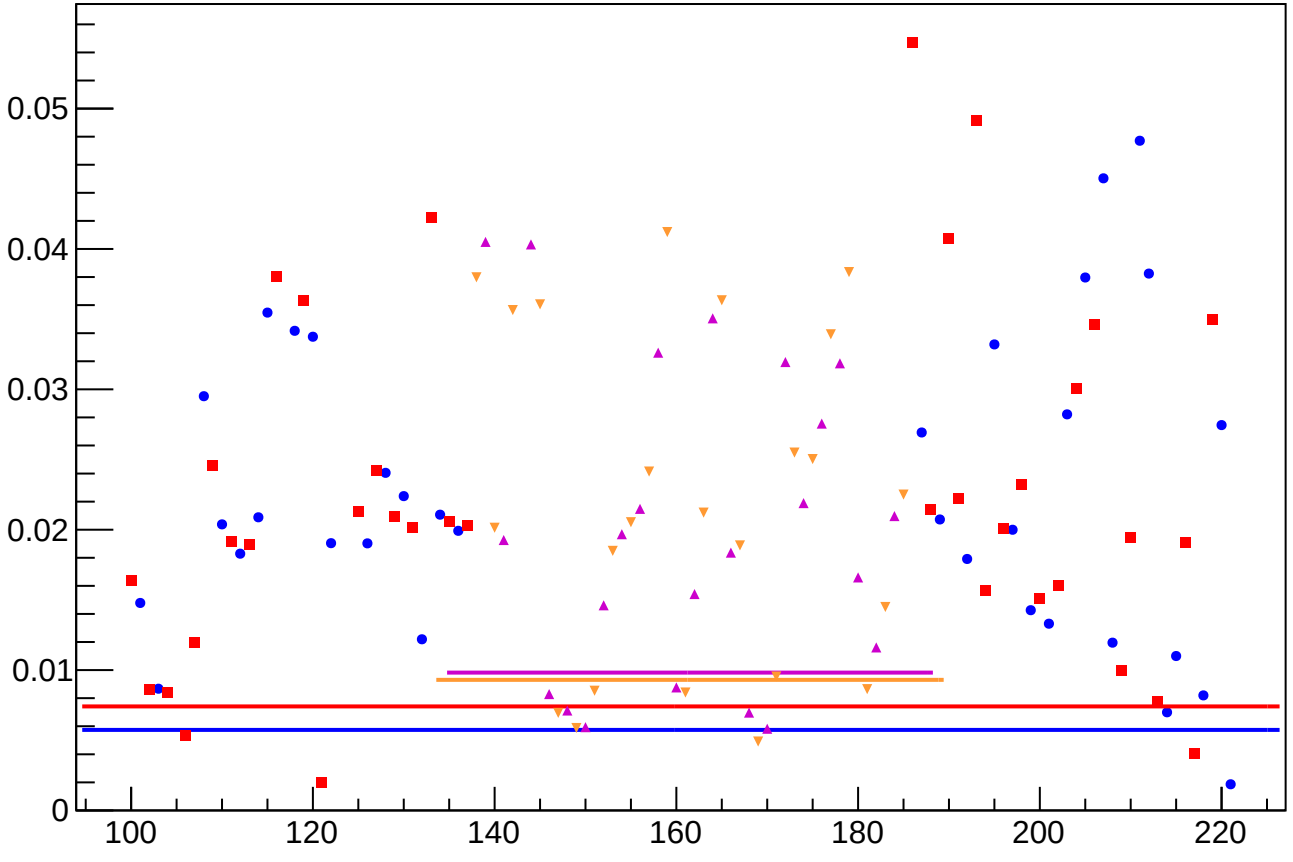
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.4/57

All: -0.000+/-0.000 χ^2/NDF: 165.1/116

- sign -0.000+/-0.000 χ^2/NDF: 86.2/58

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 24166212.4/33

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 19365830.7/35

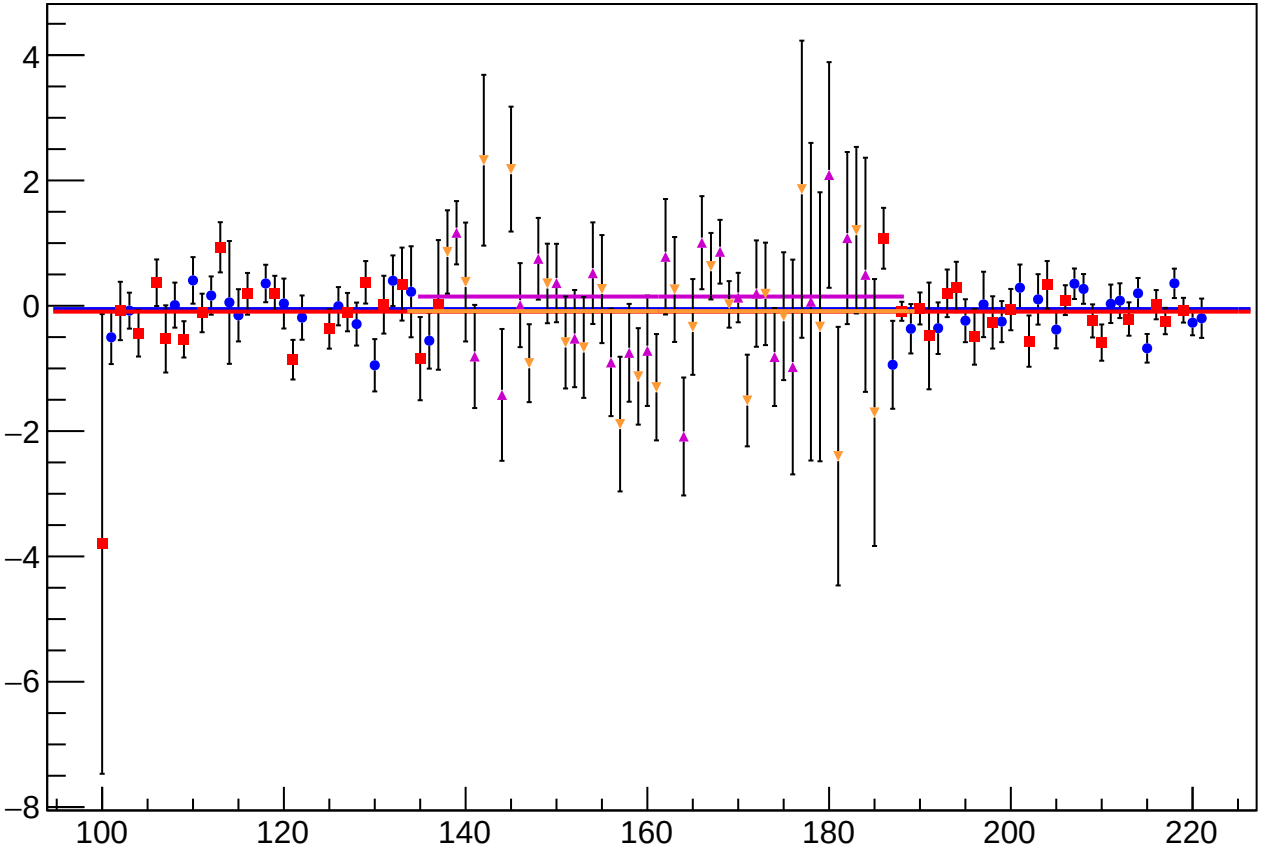
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 38567697.2/57

All: 0.008+/-0.000 χ^2/NDF: 69709747.6/116

- sign 0.008+/-0.000 χ^2/NDF: 30502140.1/58

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

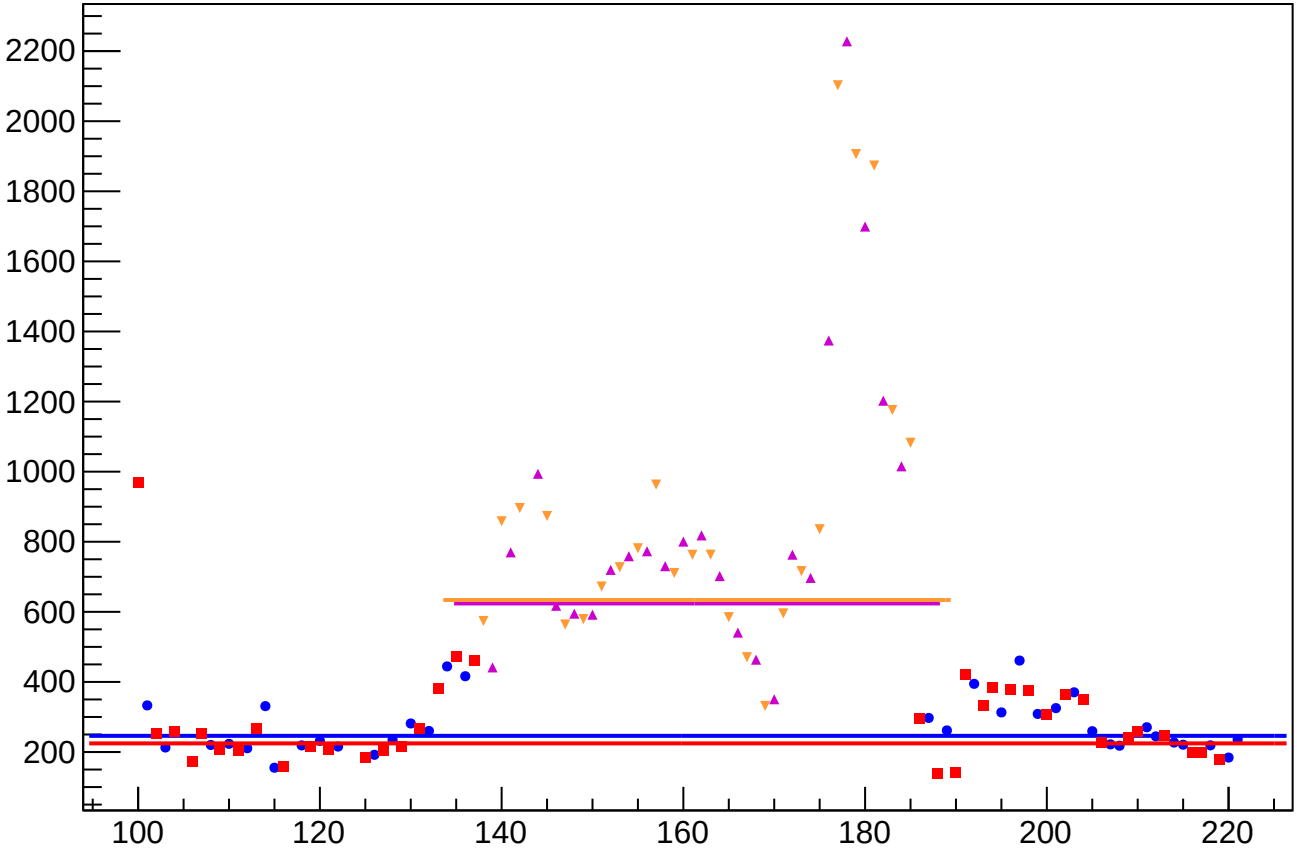
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 136.7/116

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 246.178+/-0.039 χ^2/NDF: 2184511.5/33

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

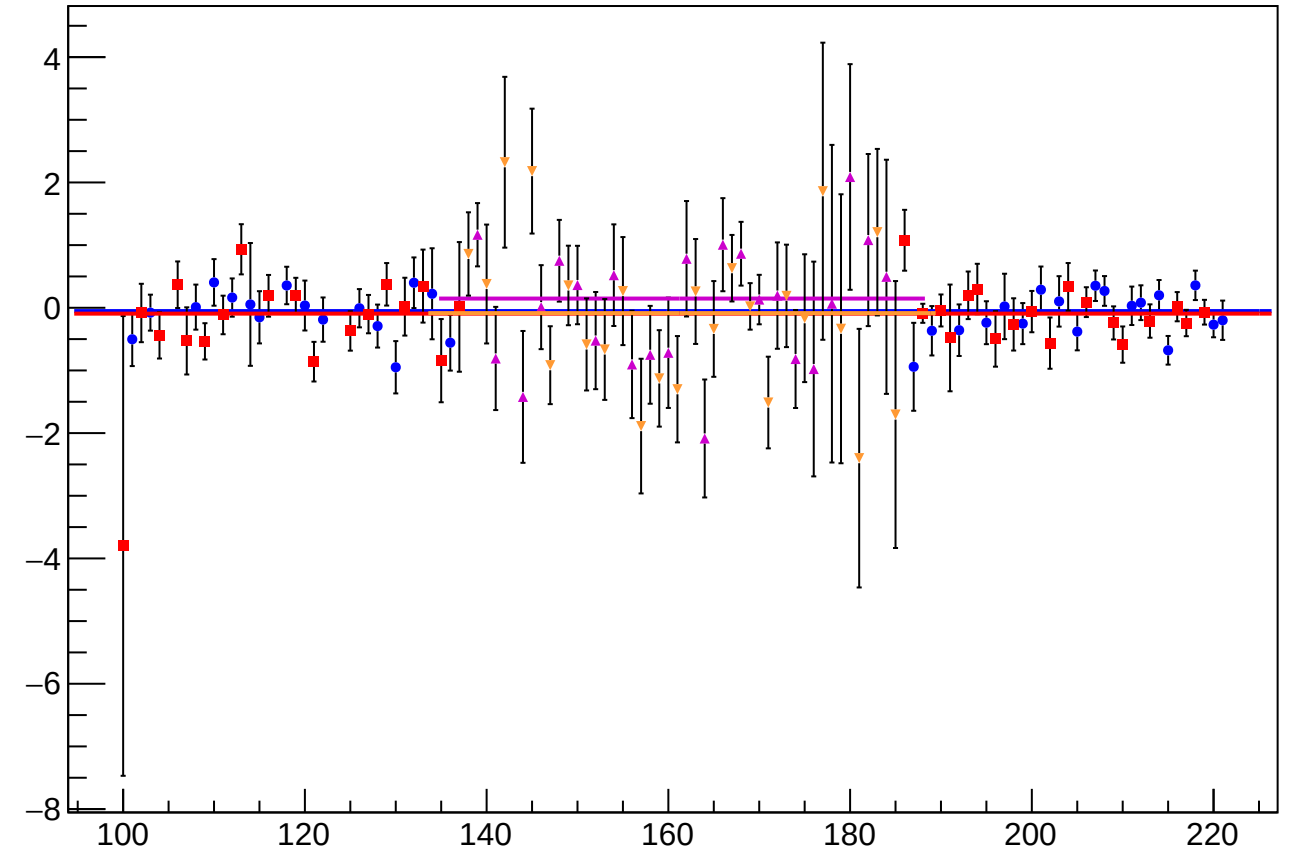
Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 287.521+/-0.037 χ^2/NDF: 17472859.1/57

All: 275.530+/-0.026 χ^2/NDF: 37301631.7/11

- sign 264.702+/-0.035 χ^2/NDF: 19631943.2/58



Right In: -0.053+/-0.056 χ^2/NDF: 36.7/33

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

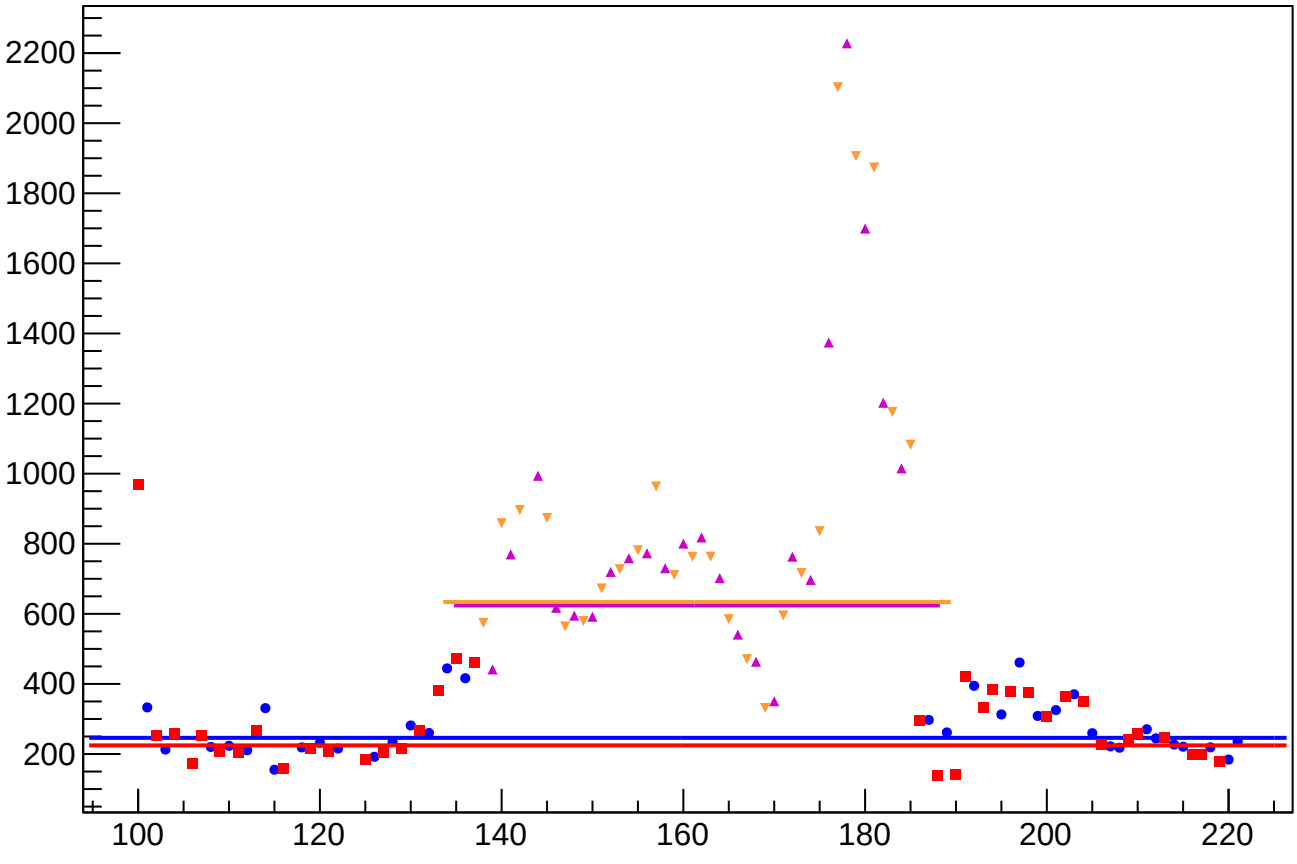
Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.056+/-0.053 χ^2/NDF: 66.9/57

All: -0.063+/-0.036 χ^2/NDF: 136.7/116

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58



Right In: 246.178+/-0.039 χ^2/NDF: 2184511.5/33

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

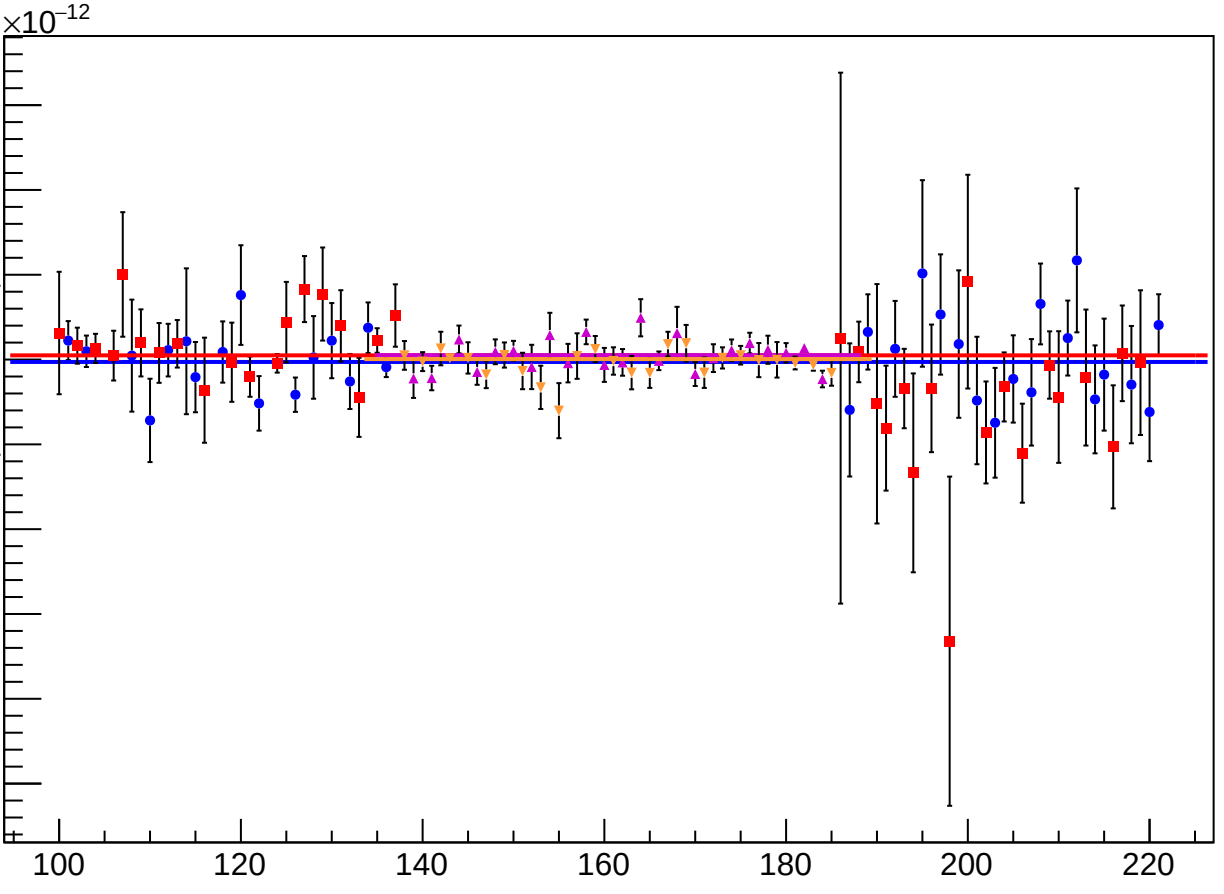
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 287.521+/-0.037 χ^2/NDF: 17472859.1/57

All: 275.530+/-0.026 χ^2/NDF: 37301631.7/11

- sign 264.702+/-0.035 χ^2/NDF: 19631943.2/58

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/36

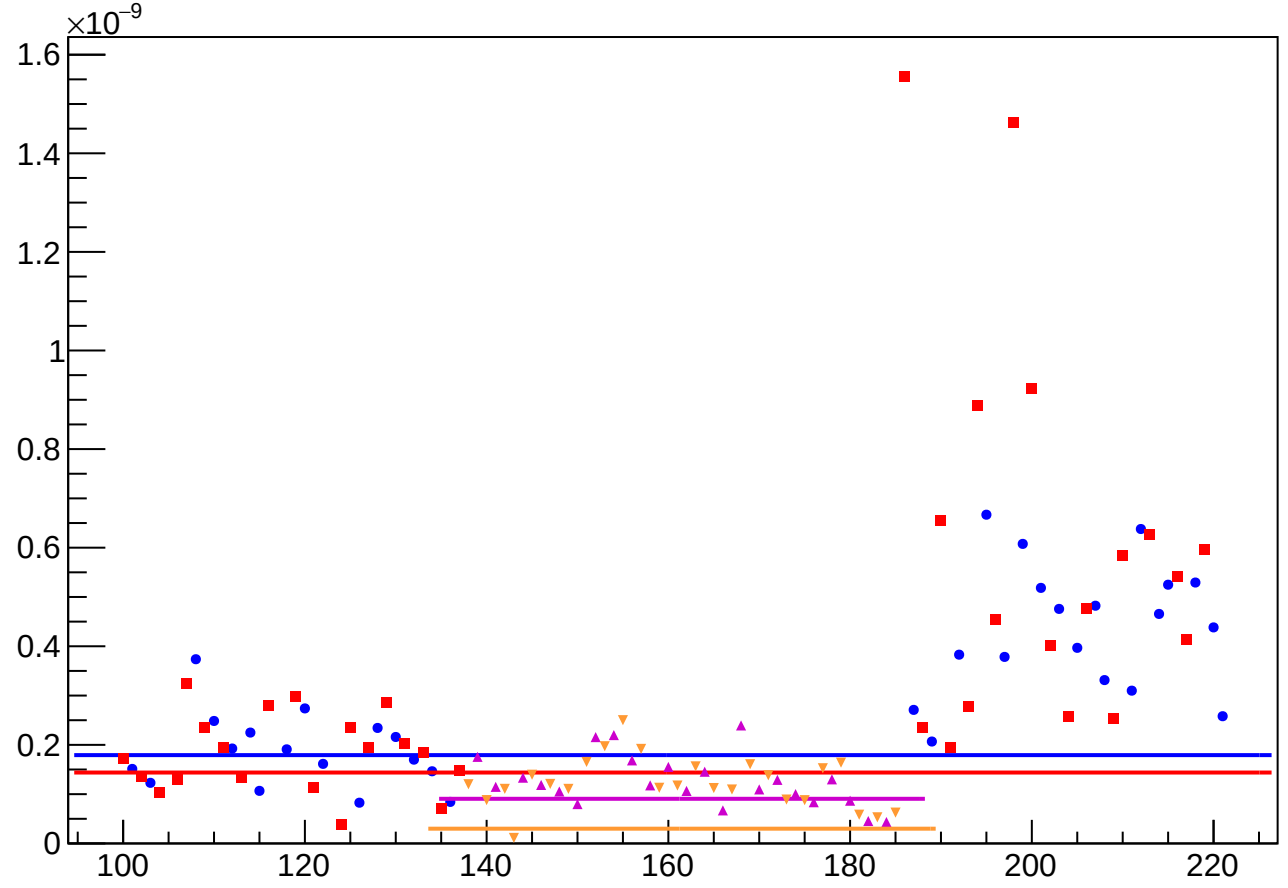
Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/58

All: 0.000+/-0.000 χ^2/NDF: 113.3/118

- sign 0.000+/-0.000 χ^2/NDF: 67.0/59

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8297089.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11563535.1/36

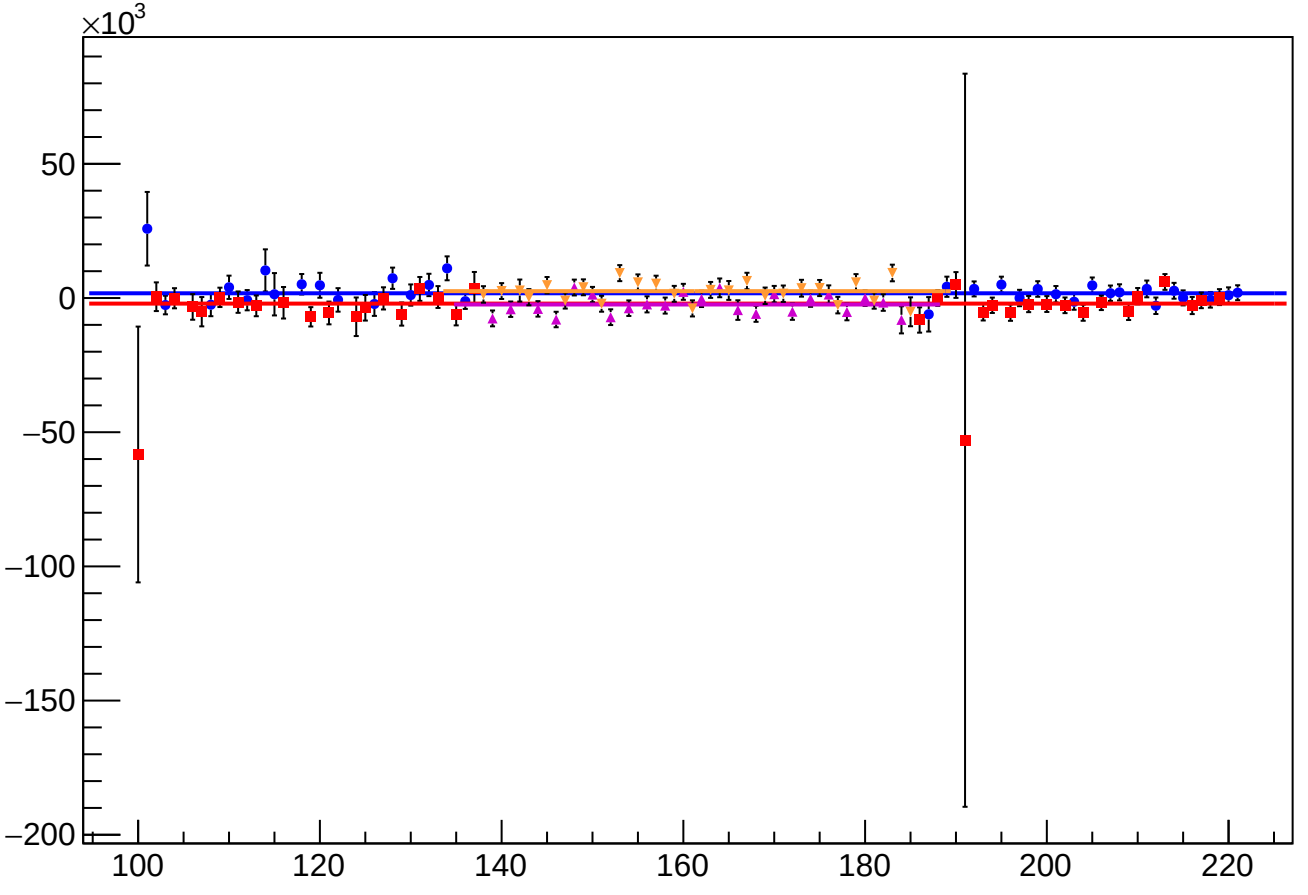
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 37107500.2/58

All: 0.000+/-0.000 χ^2/NDF: 65317448.4/118

- sign 0.000+/-0.000 χ^2/NDF: 17779992.3/59

reg_asym_atr1_mean vs Slug



Right In: 1768.709+/-595.932 χ^2/NDF: 27.9/33

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2077.624+/-606.229 χ^2/NDF: 29.2/36

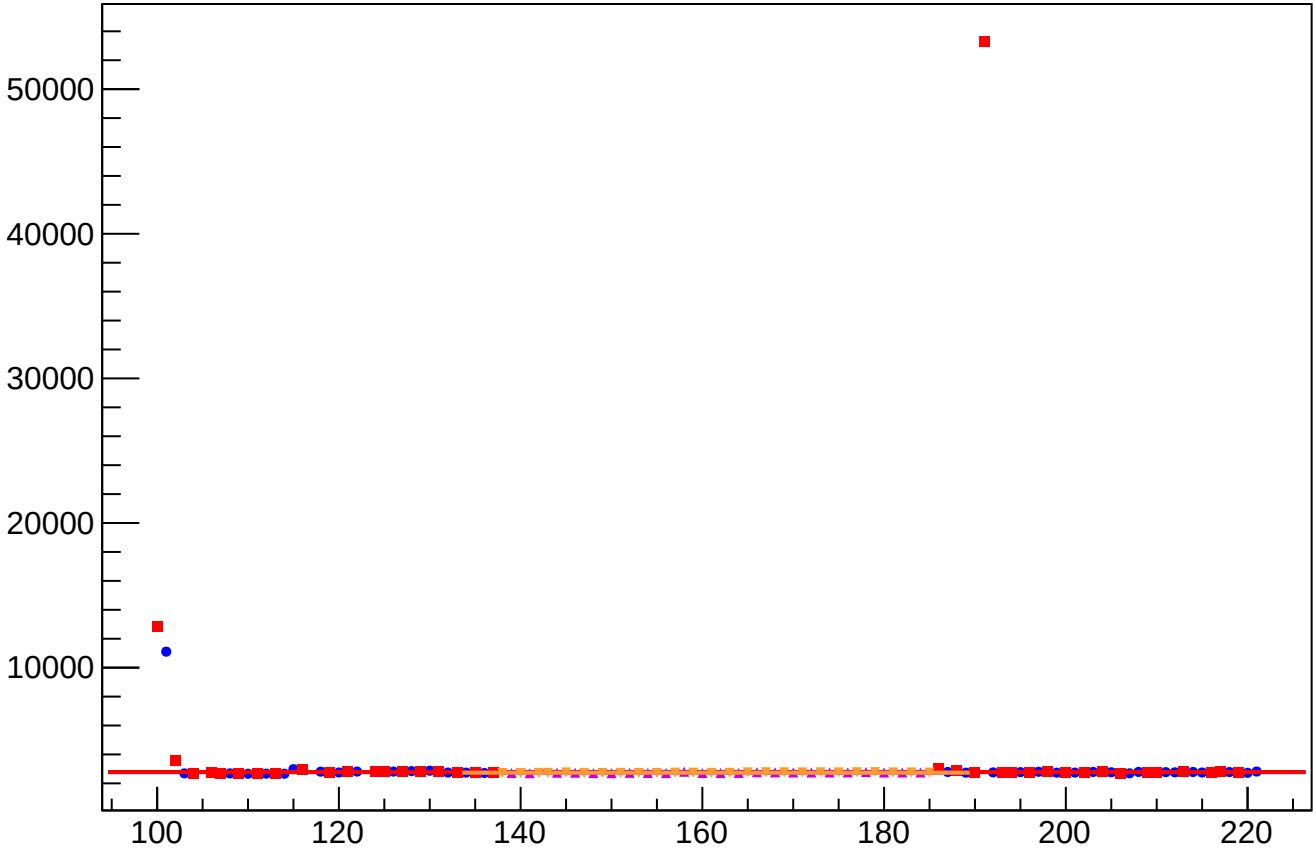
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2146.015+/-430.251 χ^2/NDF: 60.3/58

All: 5.195+/-307.634 χ^2/NDF: 171.7/118

- sign -2234.088+/-440.034 χ^2/NDF: 60.7/59

reg_asym_atr1_rms vs Slug



Right In: 2777.387+/-0.421 χ^2/NDF: 751689.0/33

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2782.342+/-0.429 χ^2/NDF: 482469.8/36

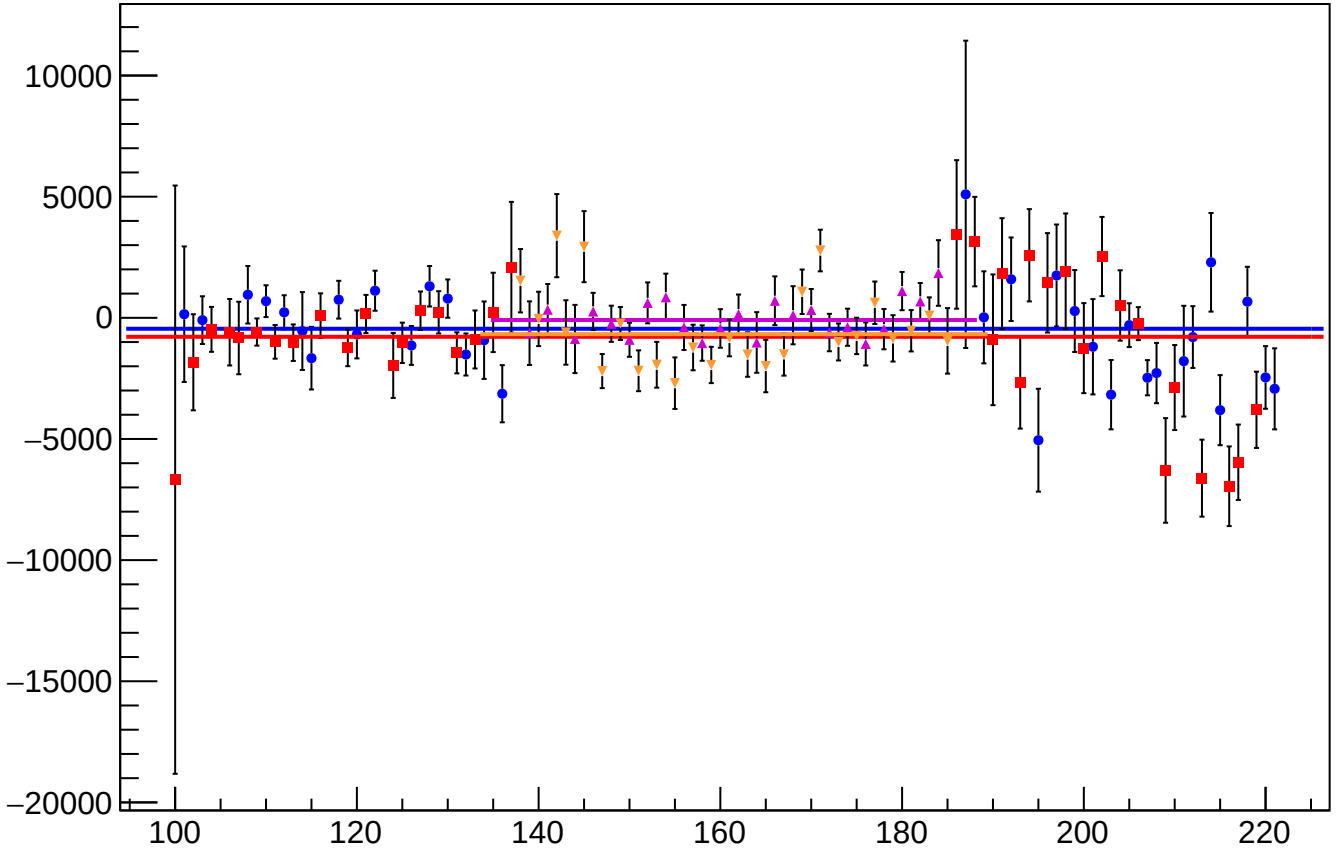
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2758.300+/-0.304 χ^2/NDF: 758292.0/58

All: 2760.228+/-0.218 χ^2/NDF: 1248852.1/11

- sign 2762.244+/-0.311 χ^2/NDF: 490477.9/59

asym_atr1_reg_correction_mean vs Slug



Right In: -451.049+/-191.542 χ^2/NDF: 61.5/33

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -782.691+/-187.133 χ^2/NDF: 80.0/36

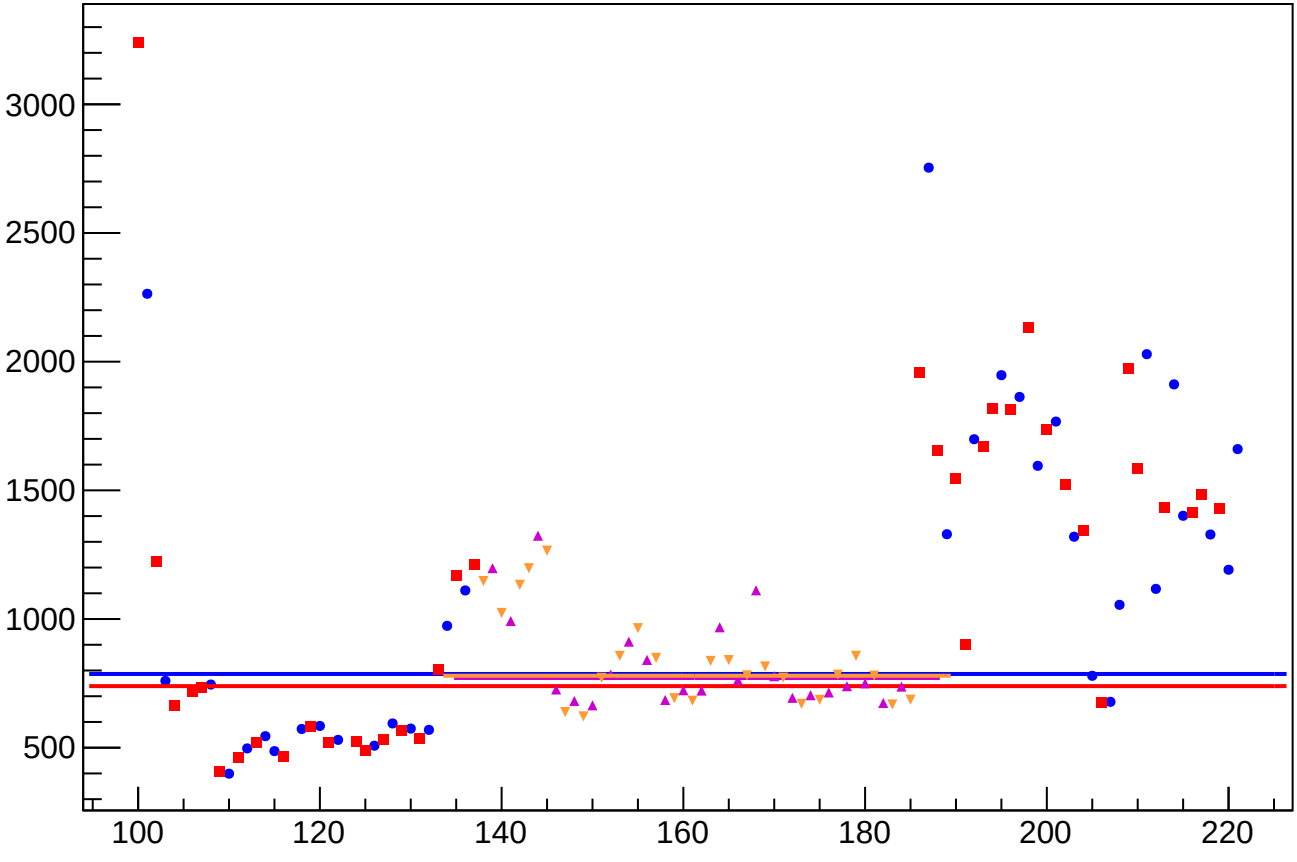
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -568.525+/-131.644 χ^2/NDF: 120.6/58

All: -498.577+/-92.864 χ^2/NDF: 222.9/118

- sign -429.294+/-131.017 χ^2/NDF: 101.8/59

asym_atr1_reg_correction_rms vs Slug



Right In: 786.531+/-0.135 χ^2/NDF: 9101204.2/33

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

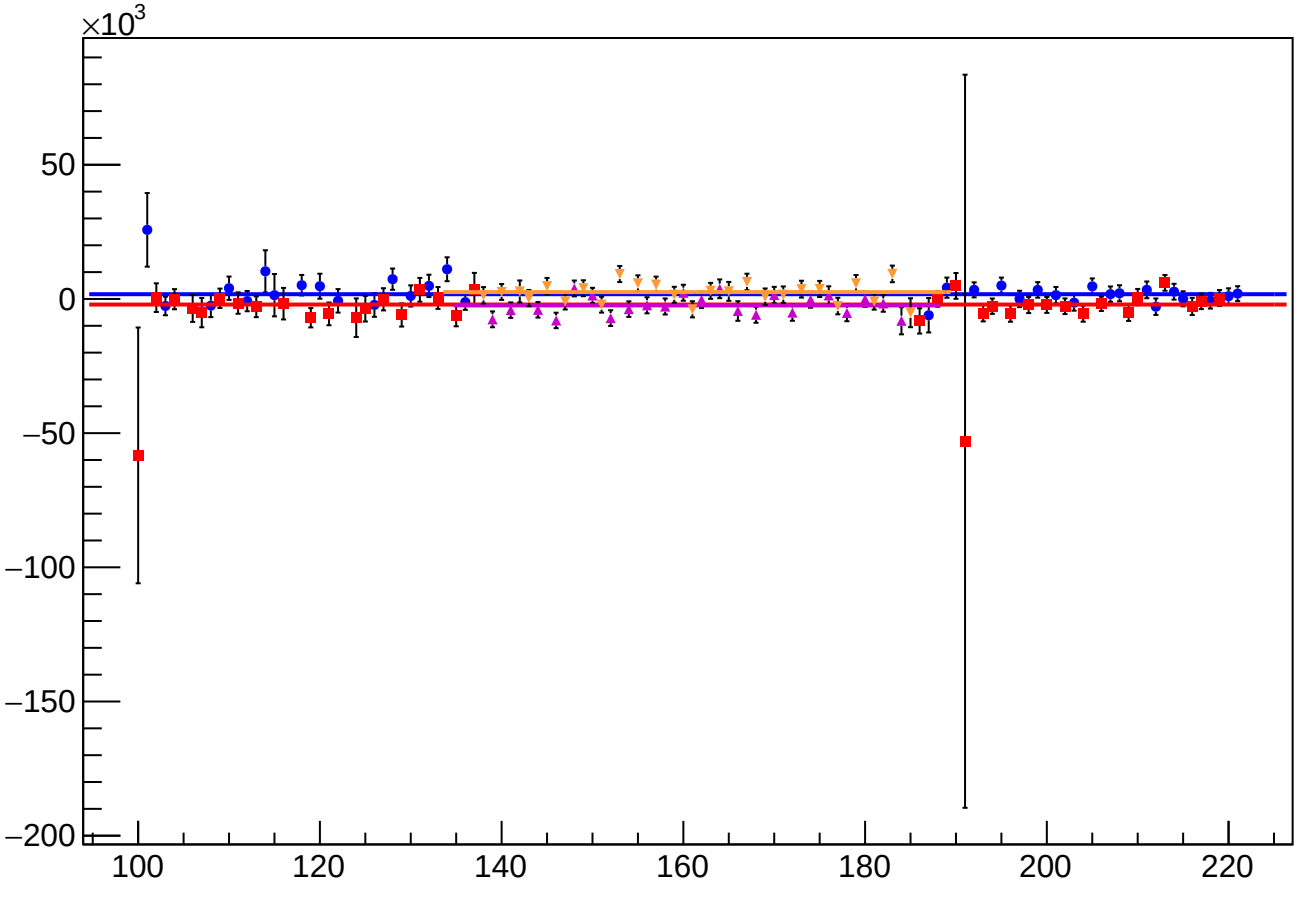
Right Out: 739.289+/-0.132 χ^2/NDF: 10007208.0/36

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 782.934+/-0.093 χ^2/NDF: 10346283.8/58

All: 769.077+/-0.066 χ^2/NDF: 21502859.2/11

- sign 755.352+/-0.093 χ^2/NDF: 11112464.6/59



Right In: 1768.352+/-595.932 χ^2/NDF: 27.9/33

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2079.141+/-606.707 χ^2/NDF: 29.2/36

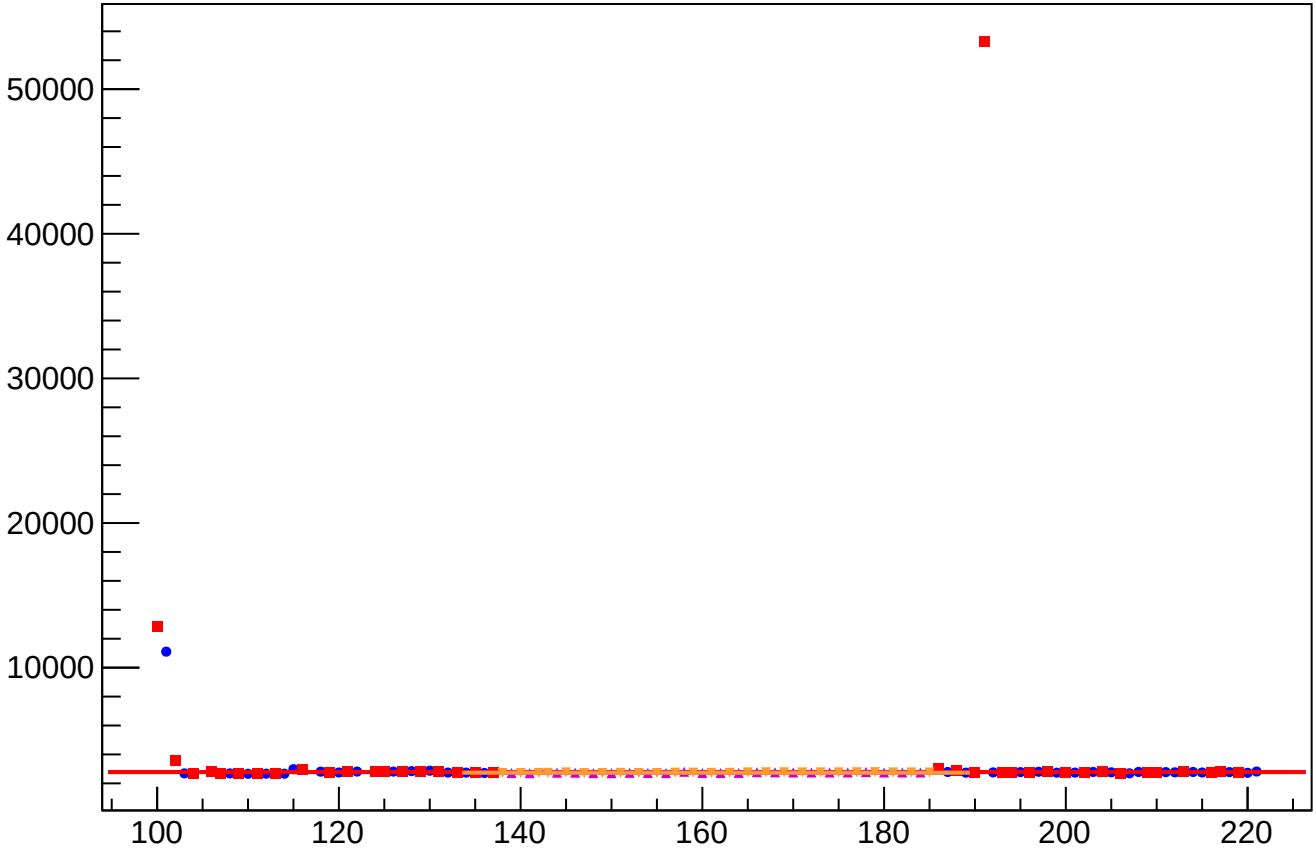
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2145.810+/-430.251 χ^2/NDF: 60.3/58

All: 5.511+/-307.697 χ^2/NDF: 171.6/118

- sign -2235.083+/-440.217 χ^2/NDF: 60.7/59

cor_asym_atr1_rms vs Slug



Right In: 2777.387+/-0.421 χ^2/NDF: 751688.1/33

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

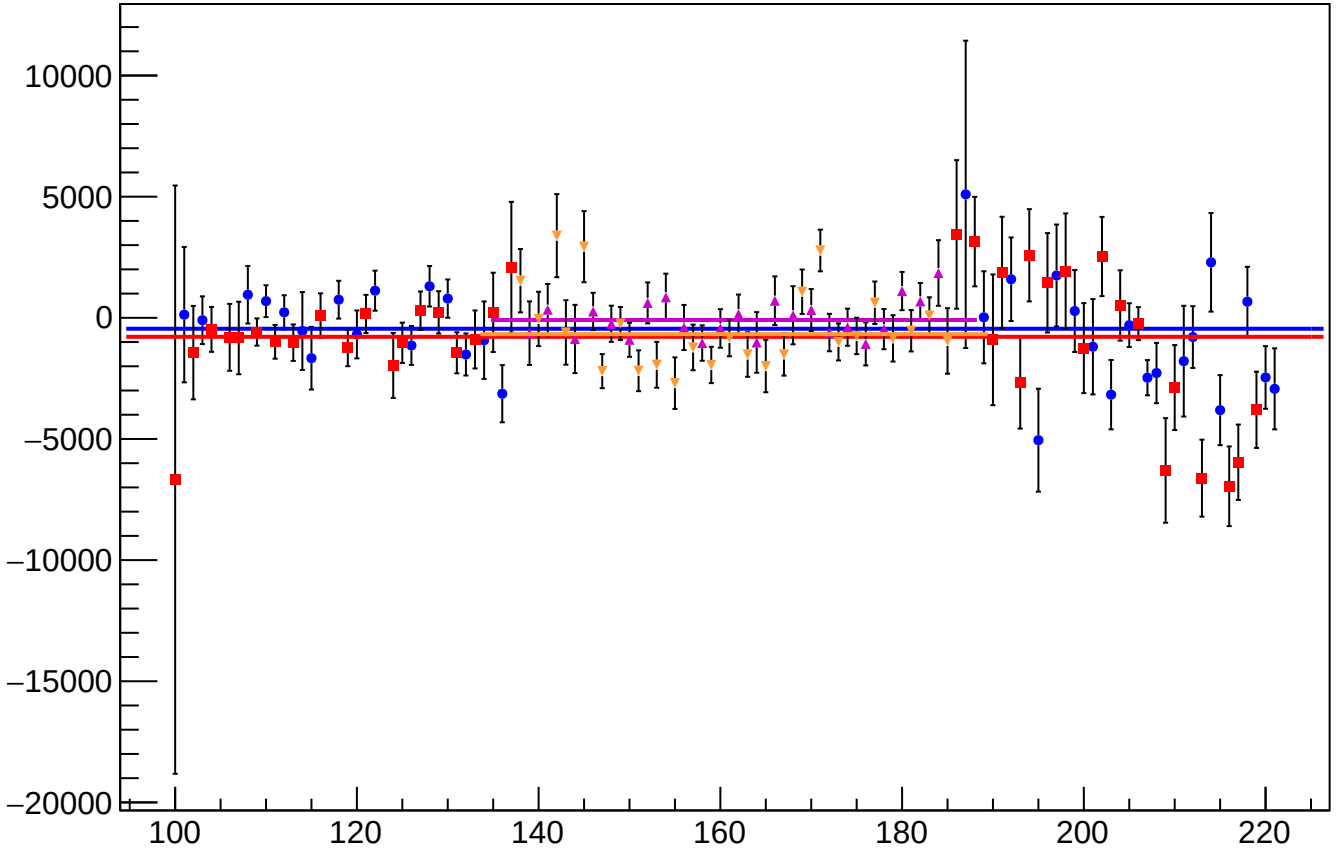
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2758.300+/-0.304 χ^2/NDF: 758291.1/58

All: 2760.685+/-0.218 χ^2/NDF: 1249205.3/11

- sign 2763.182+/-0.311 χ^2/NDF: 490788.4/59

asym_atr1_cor_correction_mean vs Slug



Right In: -451.040+/-191.536 χ^2/NDF: 61.5/33

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

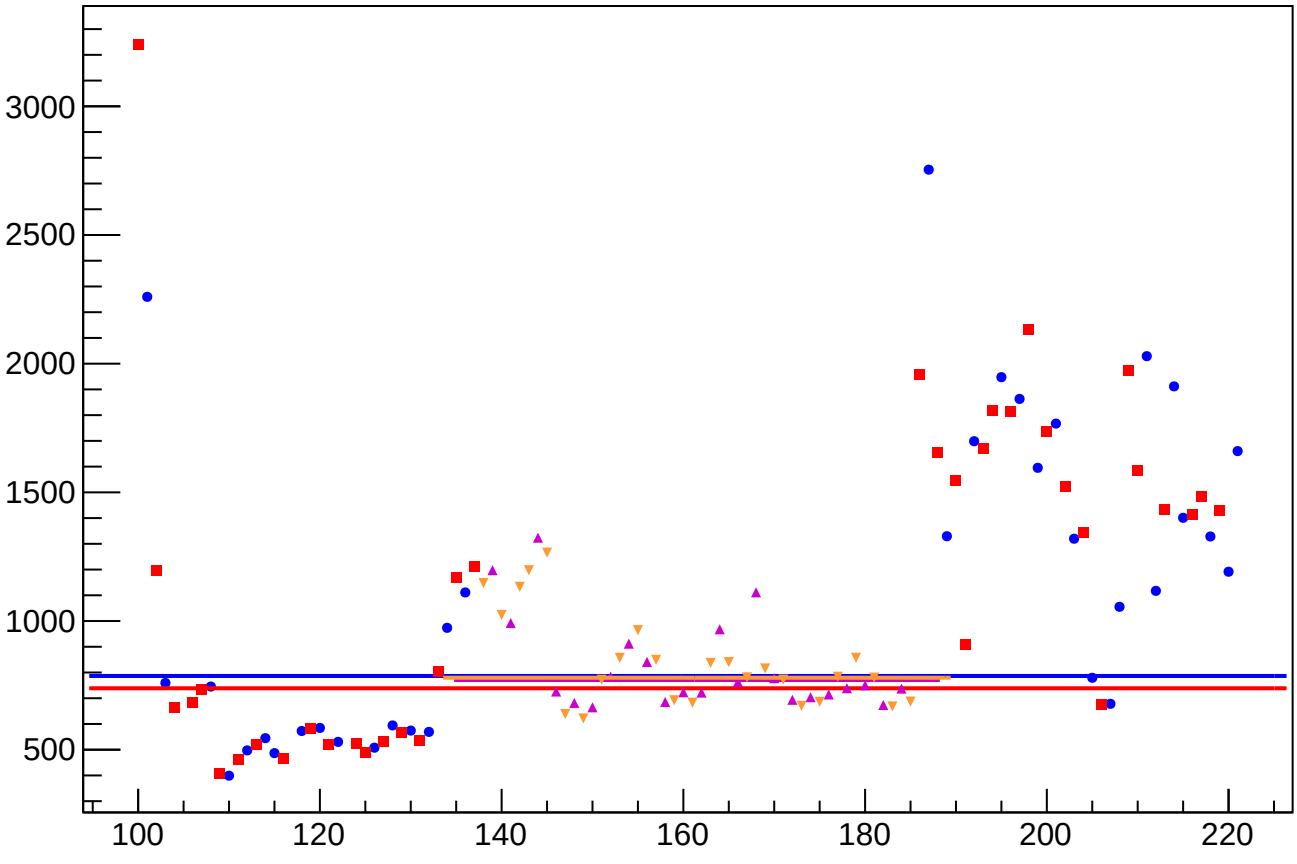
Right Out: -783.323+/-187.109 χ^2/NDF: 79.8/36

Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -568.473+/-131.642 χ^2/NDF: 120.6/58

All: -498.759+/-92.860 χ^2/NDF: 222.8/118

- sign -429.715+/-131.008 χ^2/NDF: 101.6/59



Right In: 786.516+/-0.135 χ^2/NDF: 9100455.8/33

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

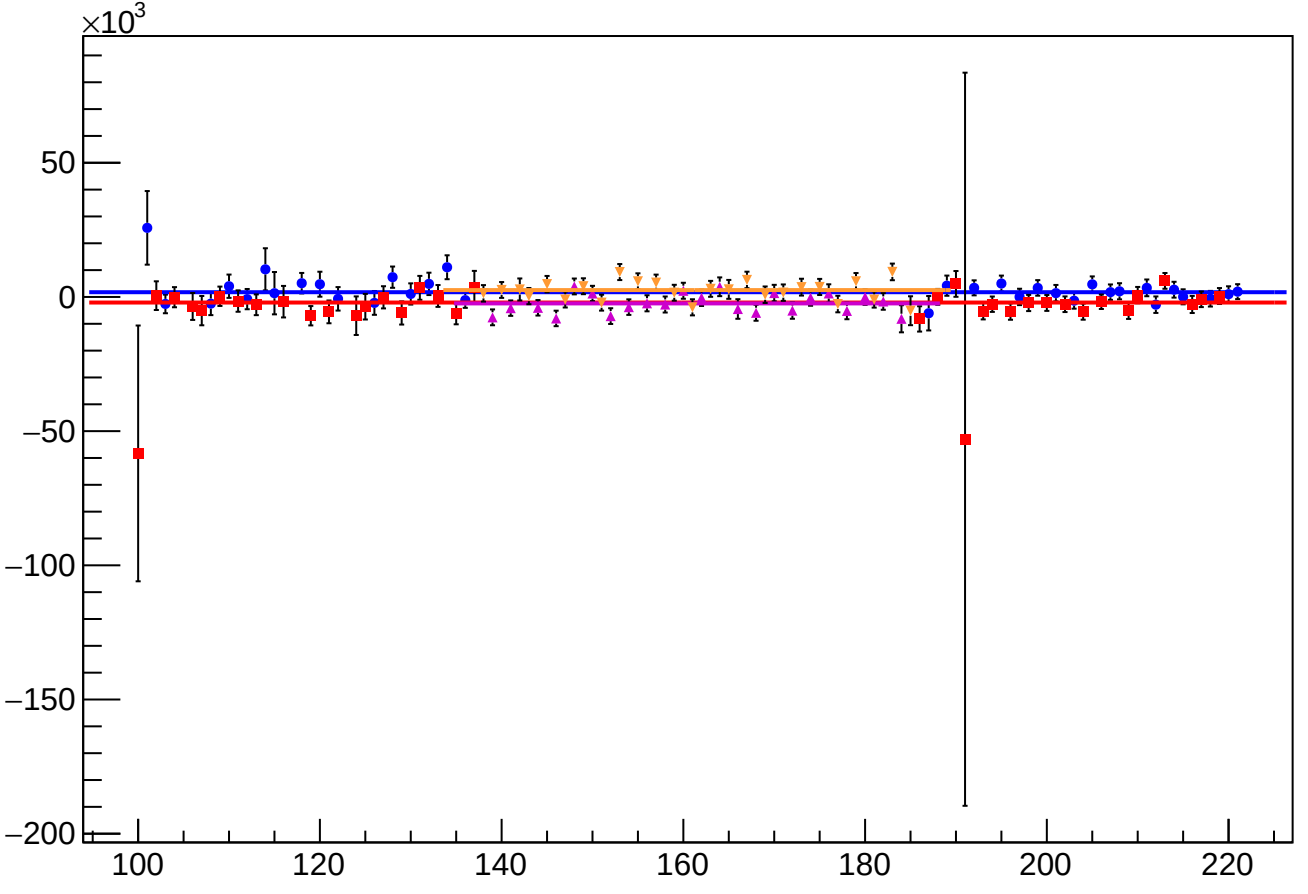
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 782.927+/-0.093 χ^2/NDF: 10345556.7/58

All: 768.930+/-0.066 χ^2/NDF: 21502143.8/1

- sign 755.067+/-0.093 χ^2/NDF: 11111581.8/59

eigen_cor_asym_atr1_mean vs Slug



Right In: 1768.352+/-595.932 χ^2/NDF: 27.9/33

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2079.141+/-606.707 χ^2/NDF: 29.2/36

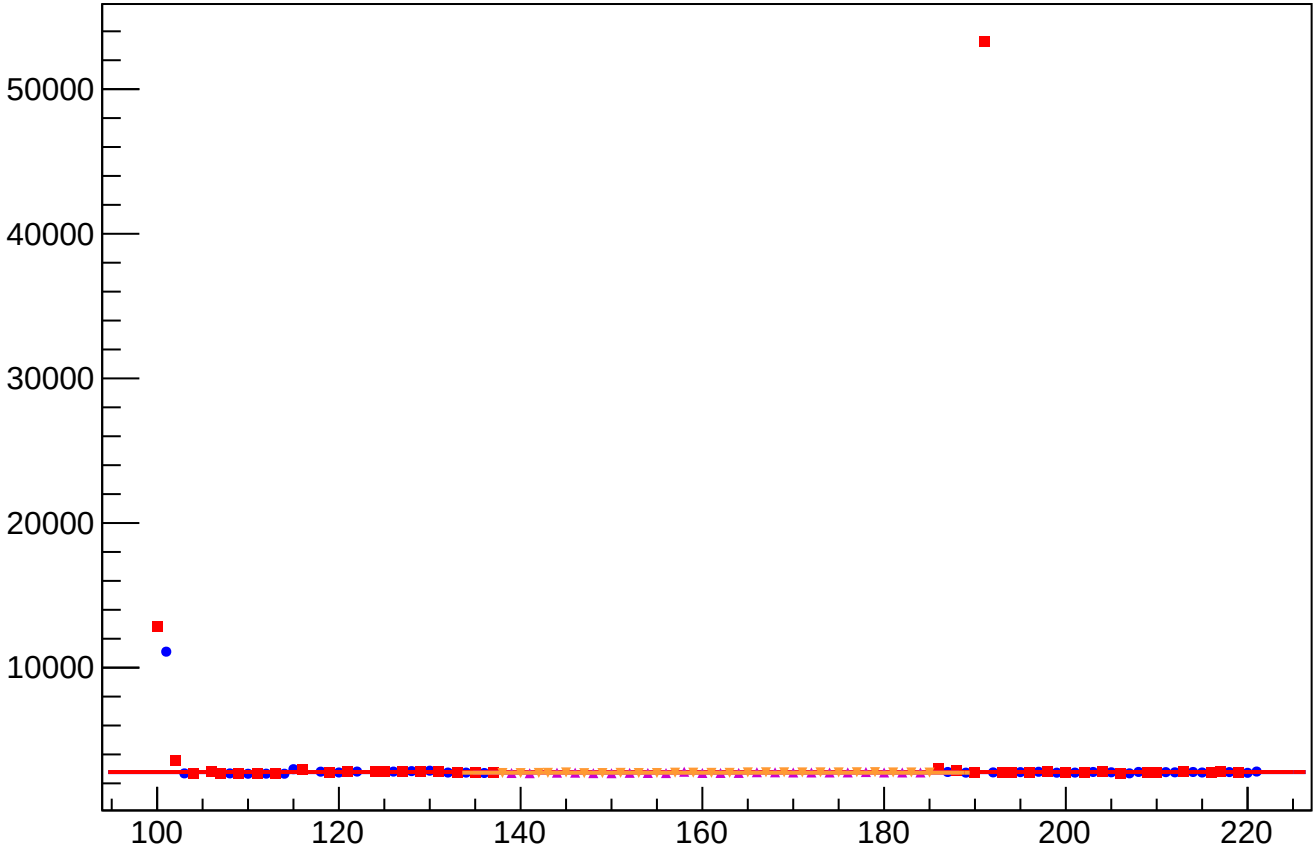
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2145.810+/-430.251 χ^2/NDF: 60.3/58

All: 5.511+/-307.697 χ^2/NDF: 171.6/118

- sign -2235.083+/-440.217 χ^2/NDF: 60.7/59

eigen_cor_asym_atr1_rms vs Slug



Right In: 2777.387+/-0.421 χ^2/NDF: 751688.1/33

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

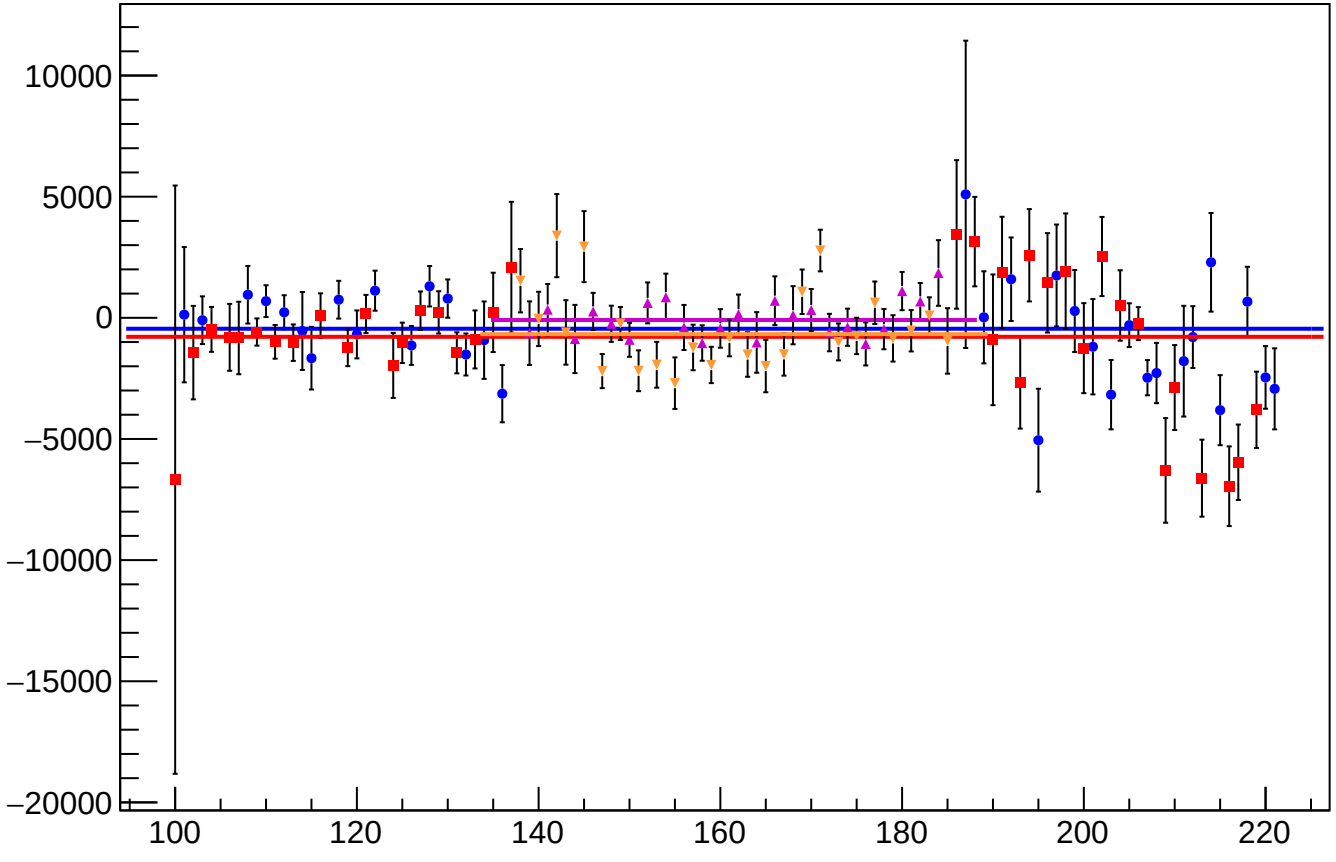
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2758.300+/-0.304 χ^2/NDF: 758291.1/58

All: 2760.685+/-0.218 χ^2/NDF: 1249205.3/11

- sign 2763.182+/-0.311 χ^2/NDF: 490788.4/59

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -451.040+/-191.536 χ^2/NDF: 61.5/33

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -783.323+/-187.109 χ^2/NDF: 79.8/36

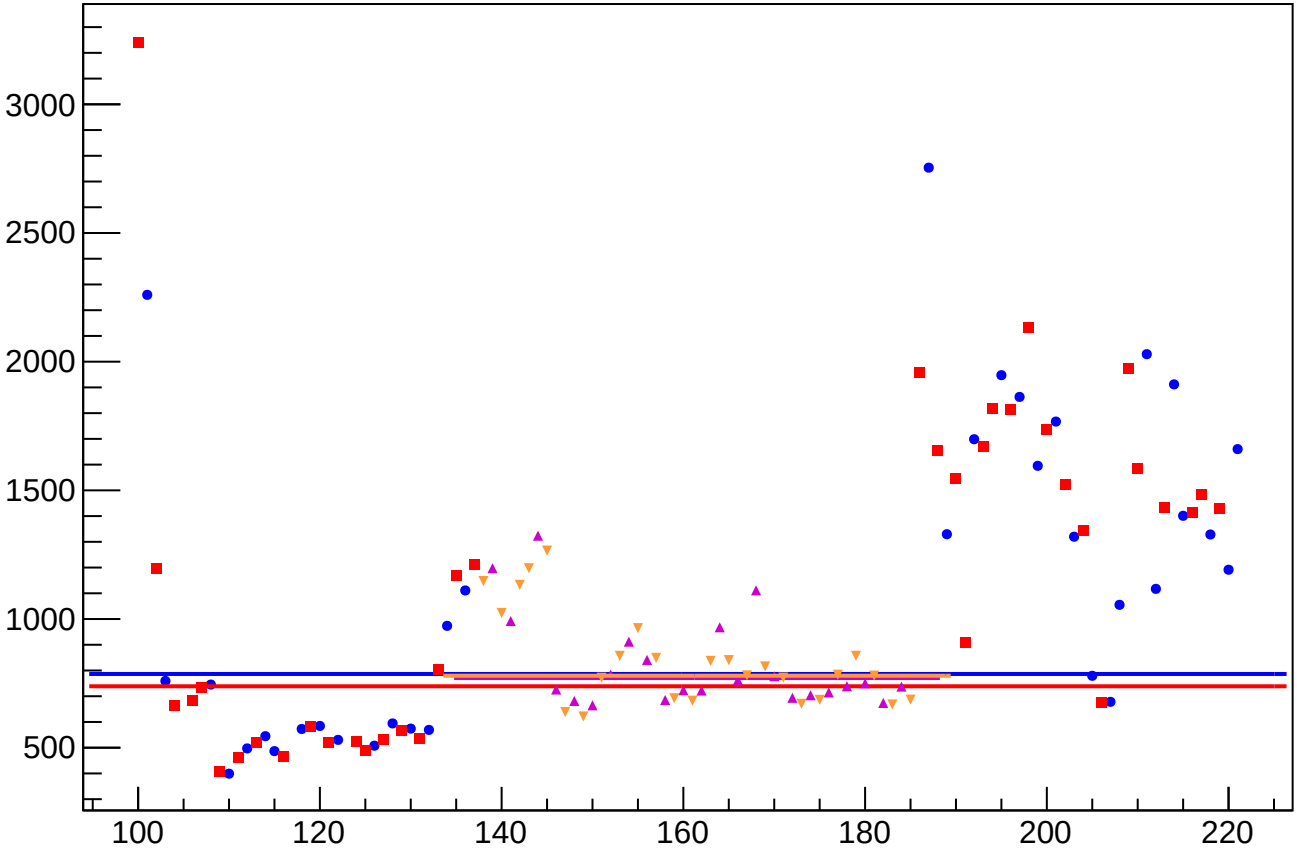
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -568.473+/-131.642 χ^2/NDF: 120.6/58

All: -498.759+/-92.860 χ^2/NDF: 222.8/118

- sign -429.715+/-131.008 χ^2/NDF: 101.6/59

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 786.516+/-0.135 χ^2/NDF: 9100455.8/33

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

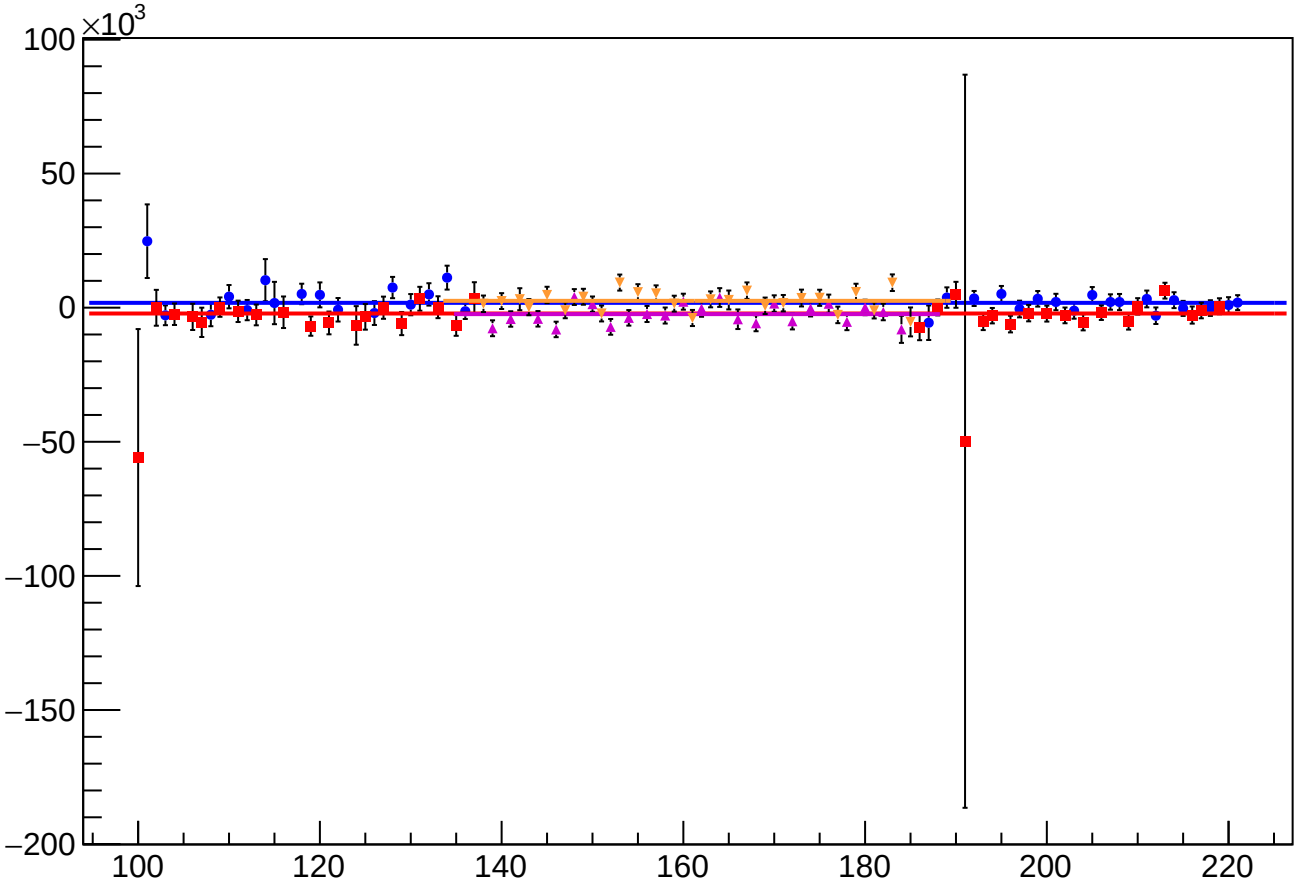
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 782.927+/-0.093 χ^2/NDF: 10345556.7/58

All: 768.930+/-0.066 χ^2/NDF: 21502143.8/11

- sign 755.067+/-0.093 χ^2/NDF: 11111581.8/59

dit_asym_atr1_mean vs Slug



Right In: 1799.678+/-598.647 χ^2/NDF: 27.7/33

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2176.745+/-610.900 χ^2/NDF: 29.1/36

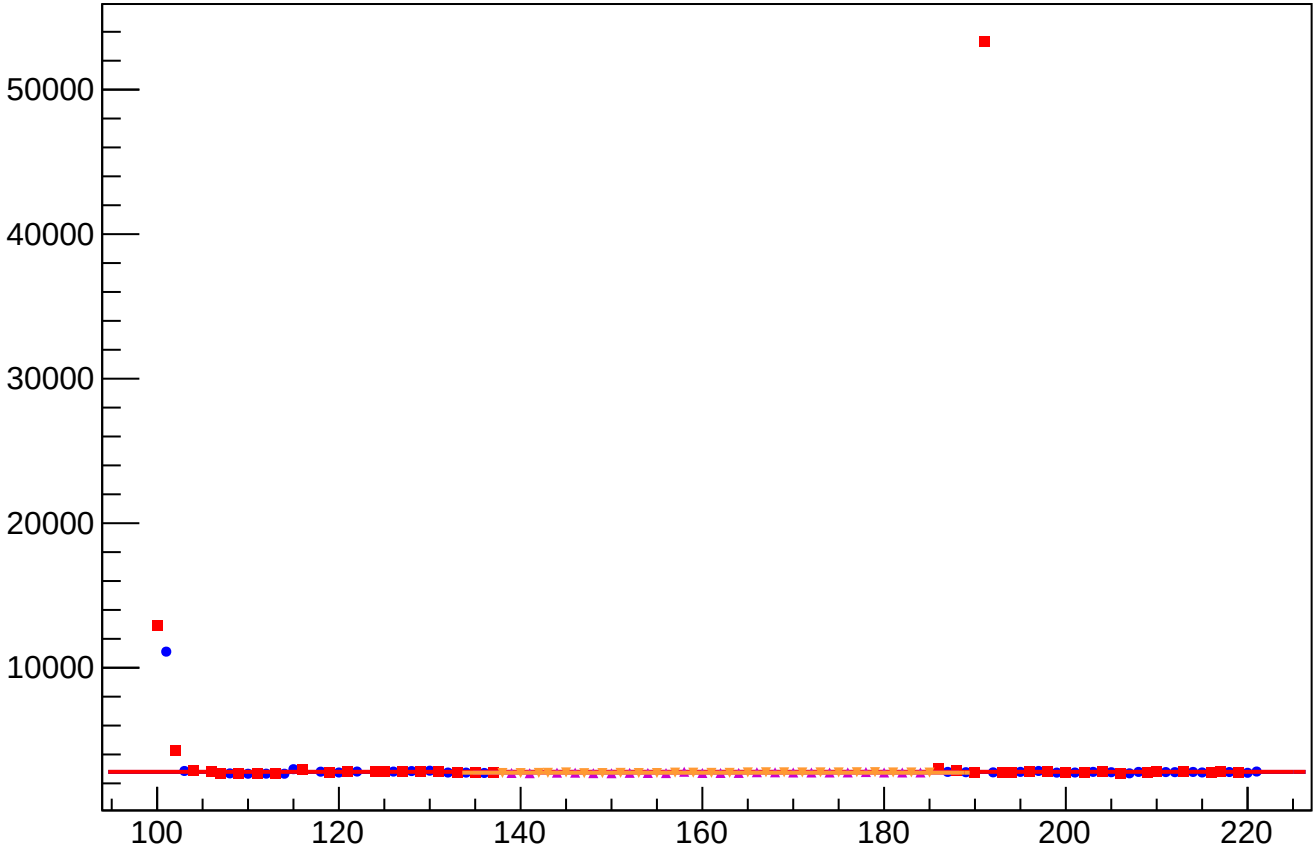
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2157.965+/-431.406 χ^2/NDF: 60.4/58

All: -10.690+/-308.703 χ^2/NDF: 173.2/118

- sign -2286.436+/-441.929 χ^2/NDF: 61.0/59

dit_asym_atr1_rms vs Slug



Right In: 2789.913+/-0.423 χ^2/NDF: 751570.3/33

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.5/36

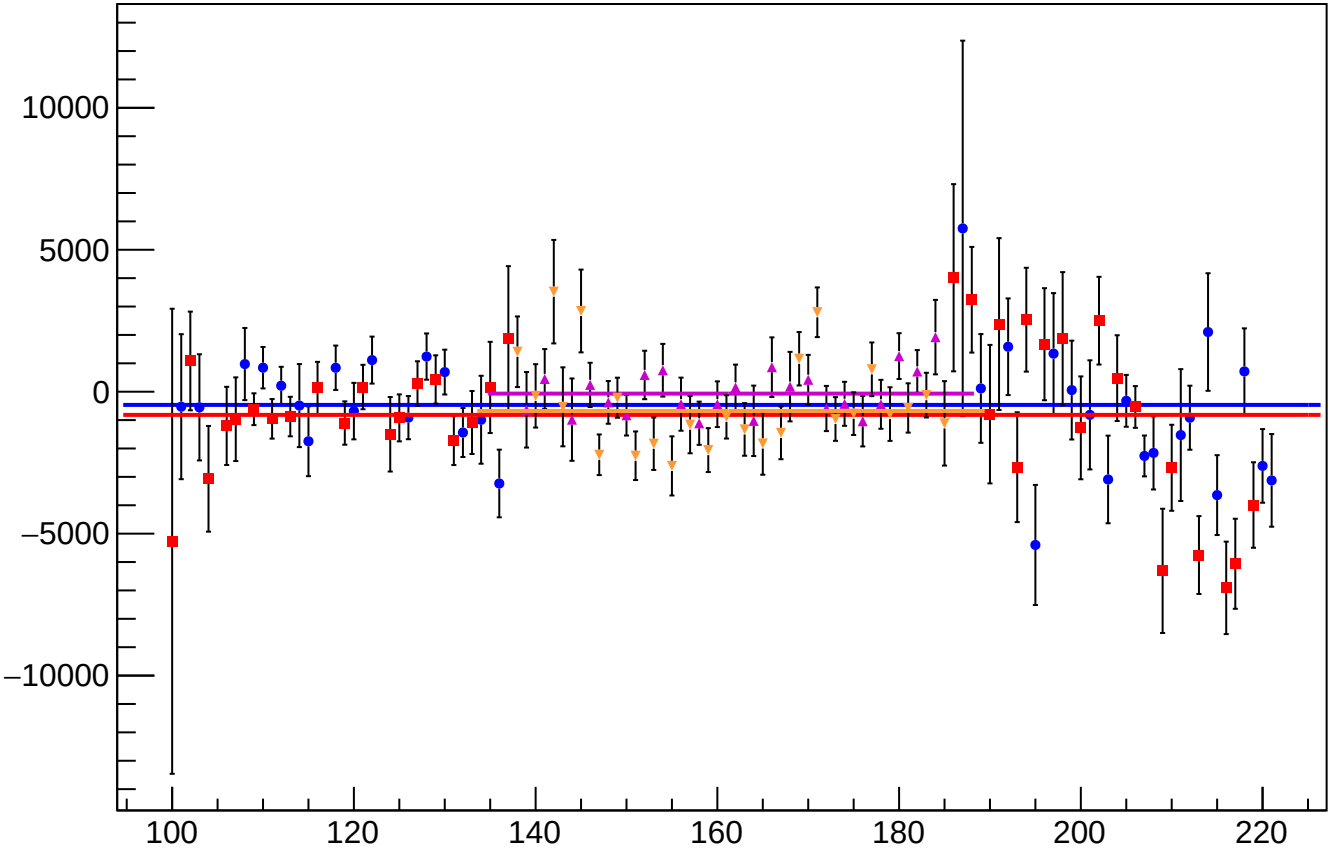
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2765.586+/-0.305 χ^2/NDF: 760763.4/58

All: 2768.413+/-0.218 χ^2/NDF: 1309201.4/11

- sign 2771.379+/-0.312 χ^2/NDF: 548262.0/59

asym_atr1_dit_correction_mean vs Slug



Right In: -464.893+/-193.566 χ^2/NDF: 59.4/33

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -816.398+/-188.022 χ^2/NDF: 84.0/36

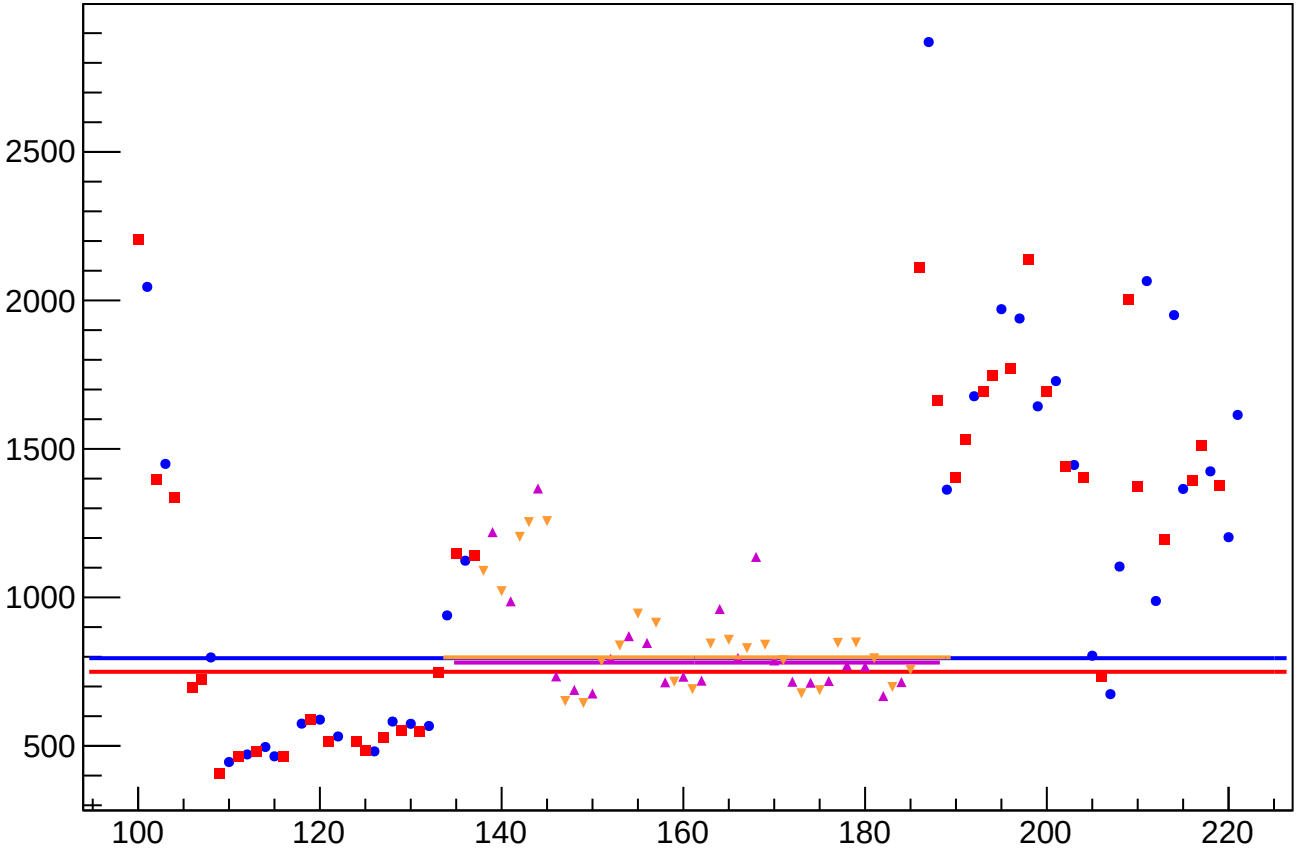
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -576.382+/-133.742 χ^2/NDF: 116.2/58

All: -505.584+/-93.958 χ^2/NDF: 224.6/118

- sign -436.589+/-132.028 χ^2/NDF: 107.9/59

asym_atr1_dit_correction_rms vs Slug



Right In: 795.331+/-0.137 χ^2/NDF: 9505248.6/33

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 749.467+/-0.133 χ^2/NDF: 10251544.3/36

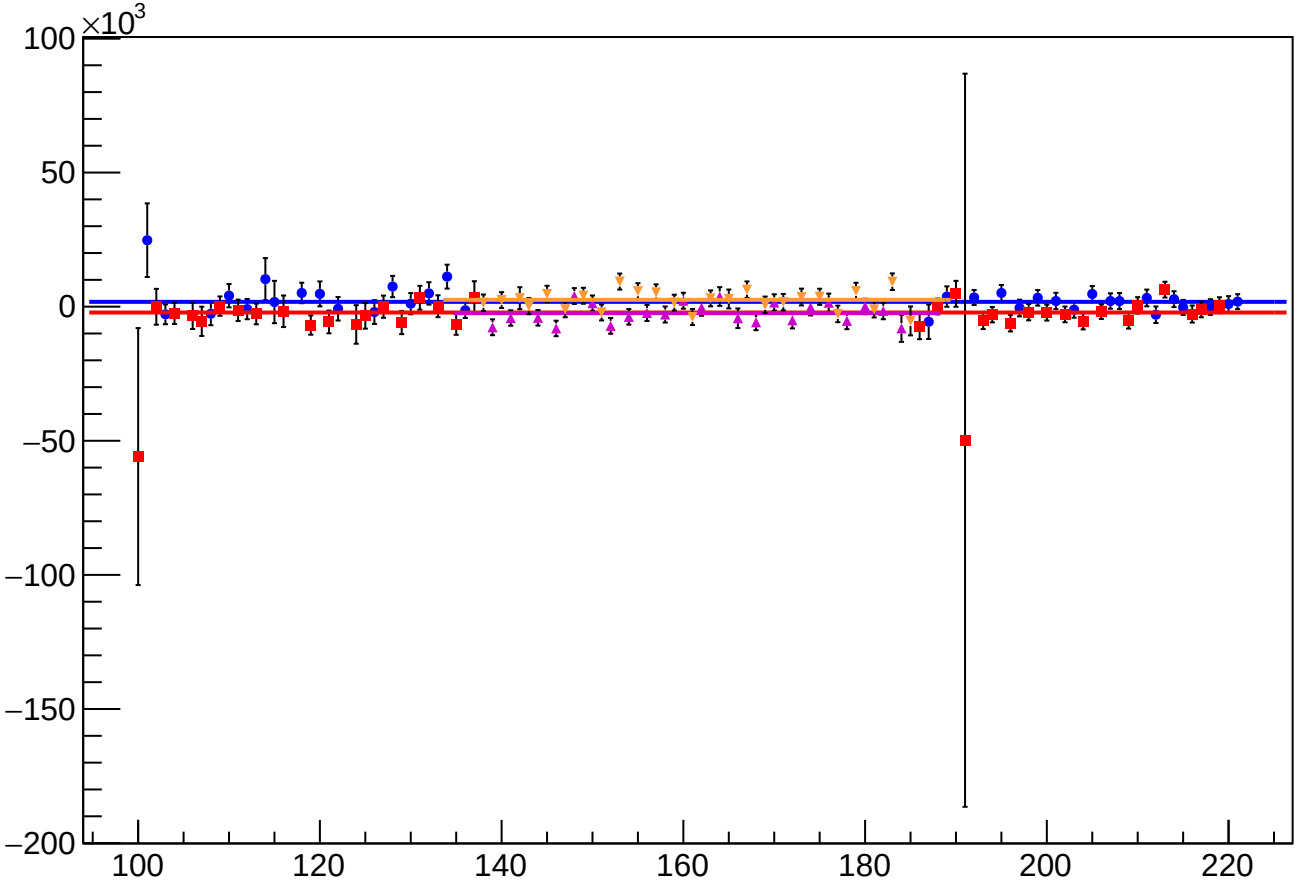
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 796.774+/-0.095 χ^2/NDF: 10673813.3/58

All: 780.789+/-0.066 χ^2/NDF: 22074260.0/11

- sign 765.211+/-0.093 χ^2/NDF: 11344035.2/59

eigen_dit_asym_atr1_mean vs Slug



Right In: 1799.681+/-598.647 χ^2/NDF: 27.7/33

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2176.741+/-610.900 χ^2/NDF: 29.1/36

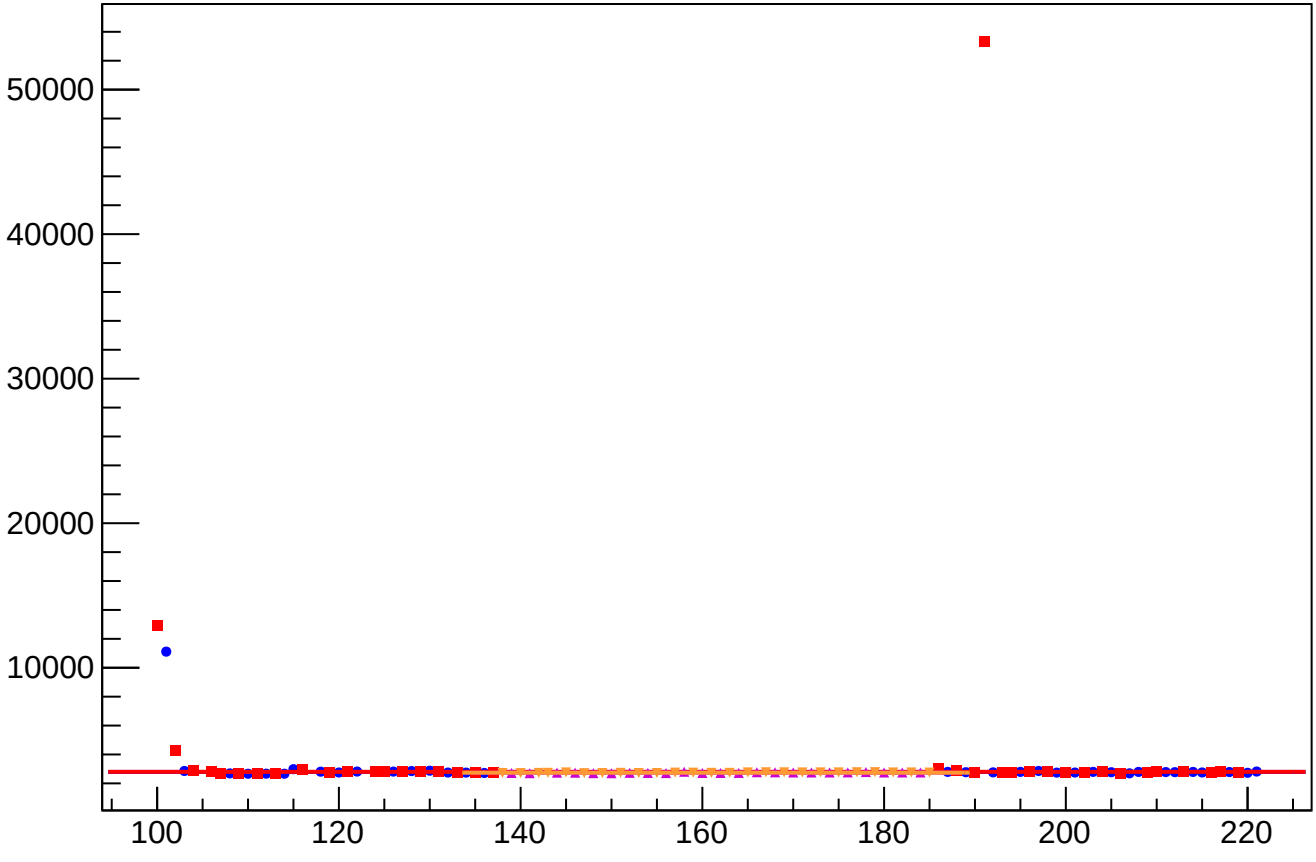
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2157.967+/-431.406 χ^2/NDF: 60.4/58

All: -10.688+/-308.703 χ^2/NDF: 173.2/118

- sign -2286.434+/-441.929 χ^2/NDF: 61.0/59

eigen_dit_asym_atr1_rms vs Slug



Right In: 2789.913+/-0.423 χ^2/NDF: 751570.3/33

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.3/36

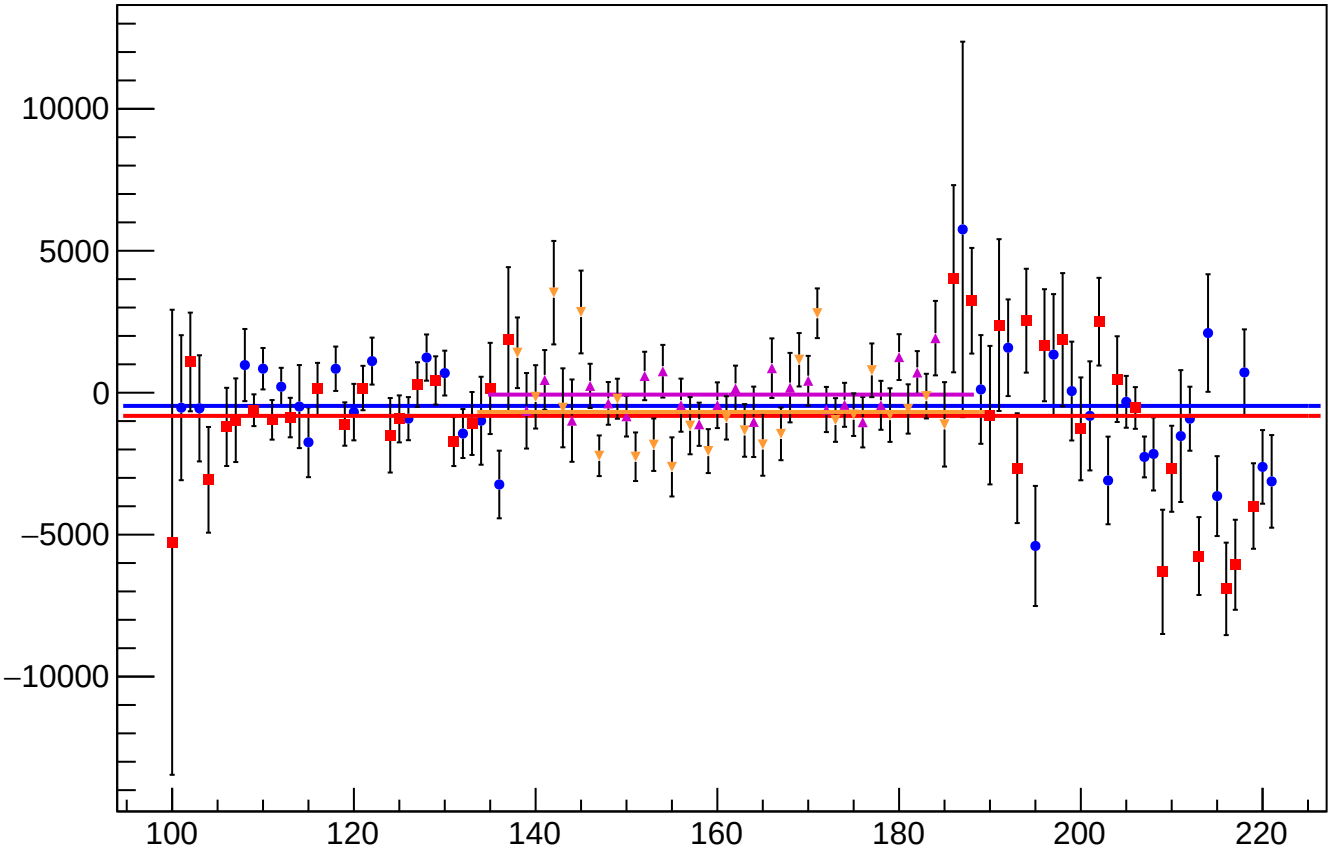
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2765.586+/-0.305 χ^2/NDF: 760763.3/58

All: 2768.413+/-0.218 χ^2/NDF: 1309201.1/11

- sign 2771.379+/-0.312 χ^2/NDF: 548261.8/59

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -464.891+/-193.566 χ^2/NDF: 59.4/33

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -816.397+/-188.022 χ^2/NDF: 84.0/36

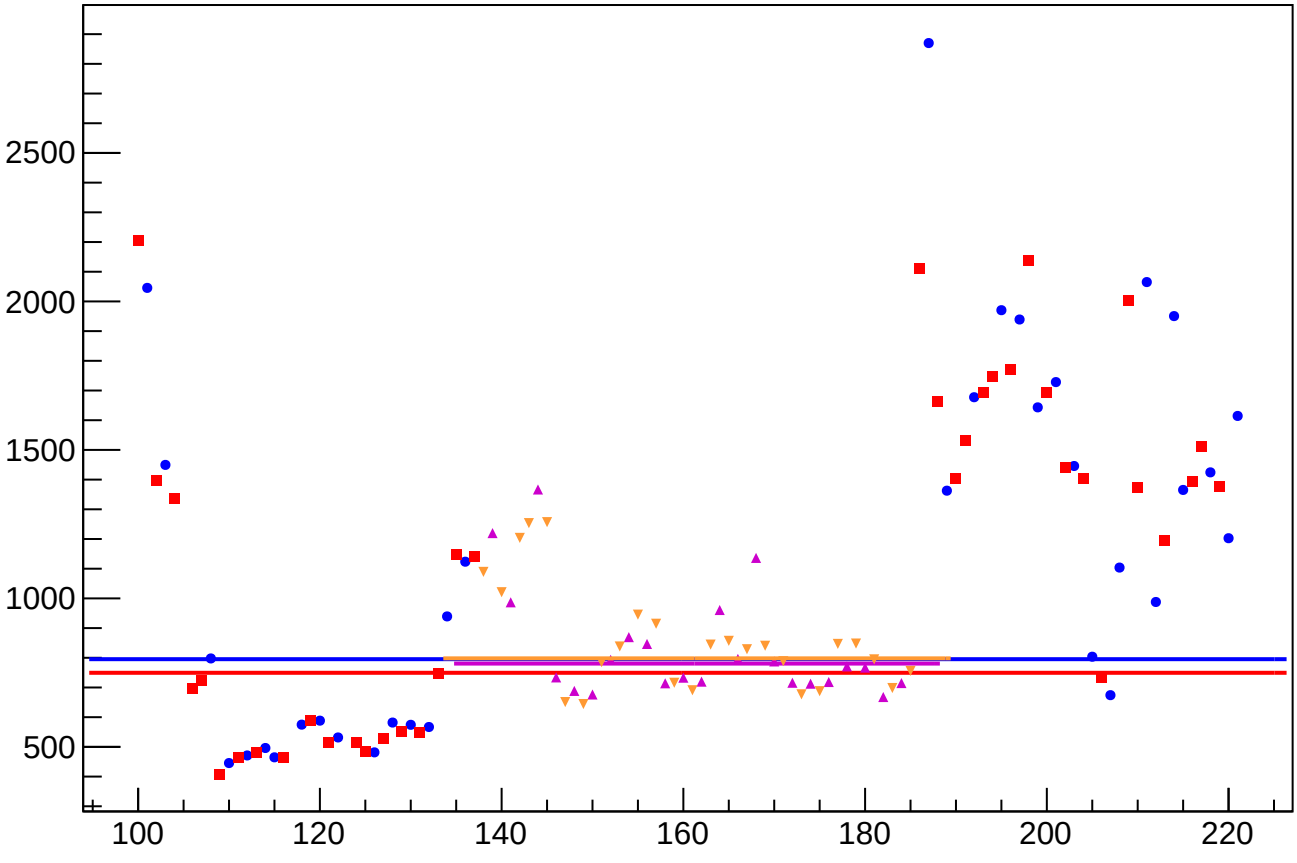
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -576.381+/-133.742 χ^2/NDF: 116.2/58

All: -505.583+/-93.958 χ^2/NDF: 224.6/118

- sign -436.588+/-132.028 χ^2/NDF: 107.9/59

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 795.332+/-0.137 χ^2/NDF: 9505259.4/33

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 749.468+/-0.133 χ^2/NDF: 10251558.8/36

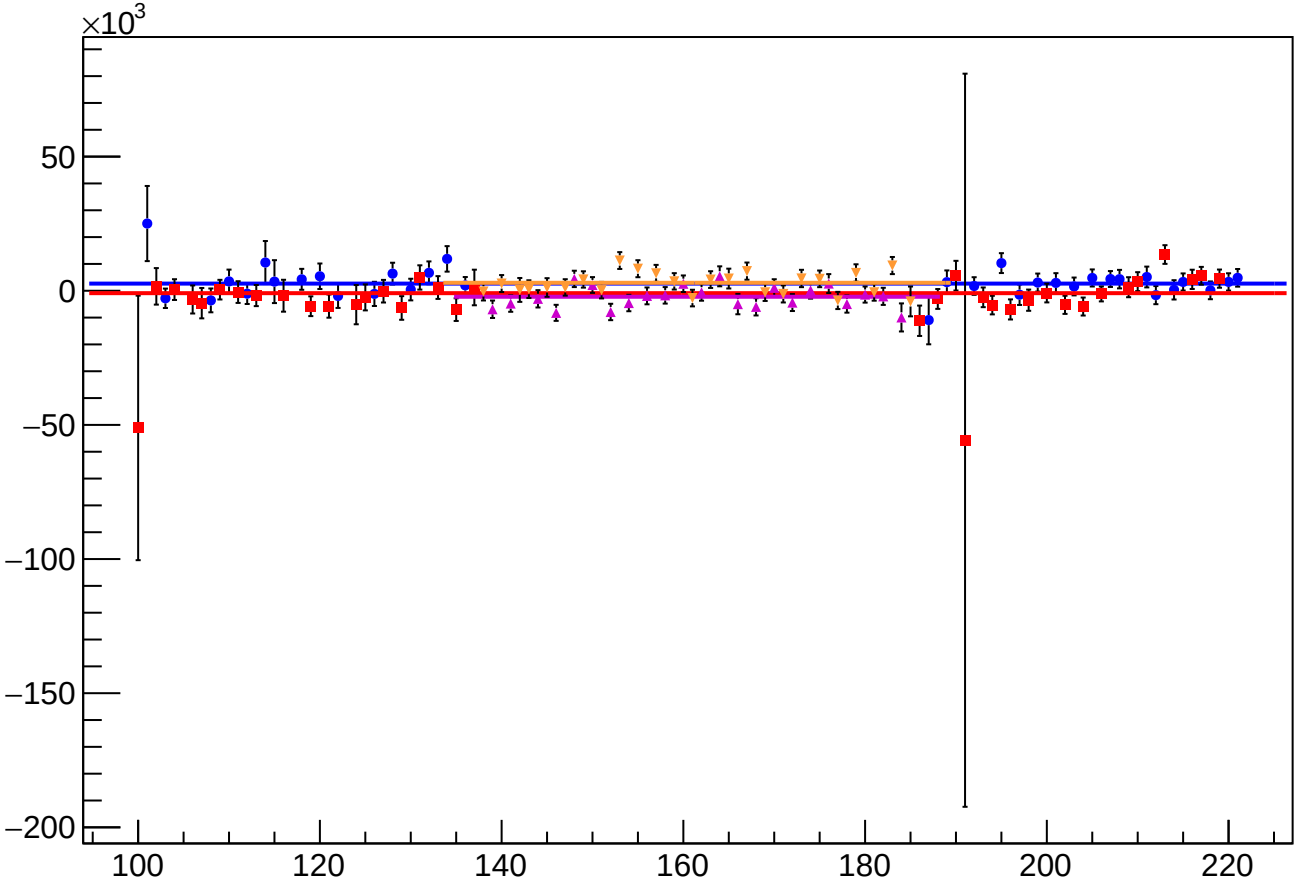
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 796.774+/-0.095 χ^2/NDF: 10673825.7/58

All: 780.789+/-0.066 χ^2/NDF: 22074290.5/11

- sign 765.211+/-0.093 χ^2/NDF: 11344052.2/59

asym_atr1_mean vs Slug



Right In: 2669.145+/-662.605 χ^2/NDF: 29.3/33

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -895.953+/-678.275 χ^2/NDF: 52.7/36

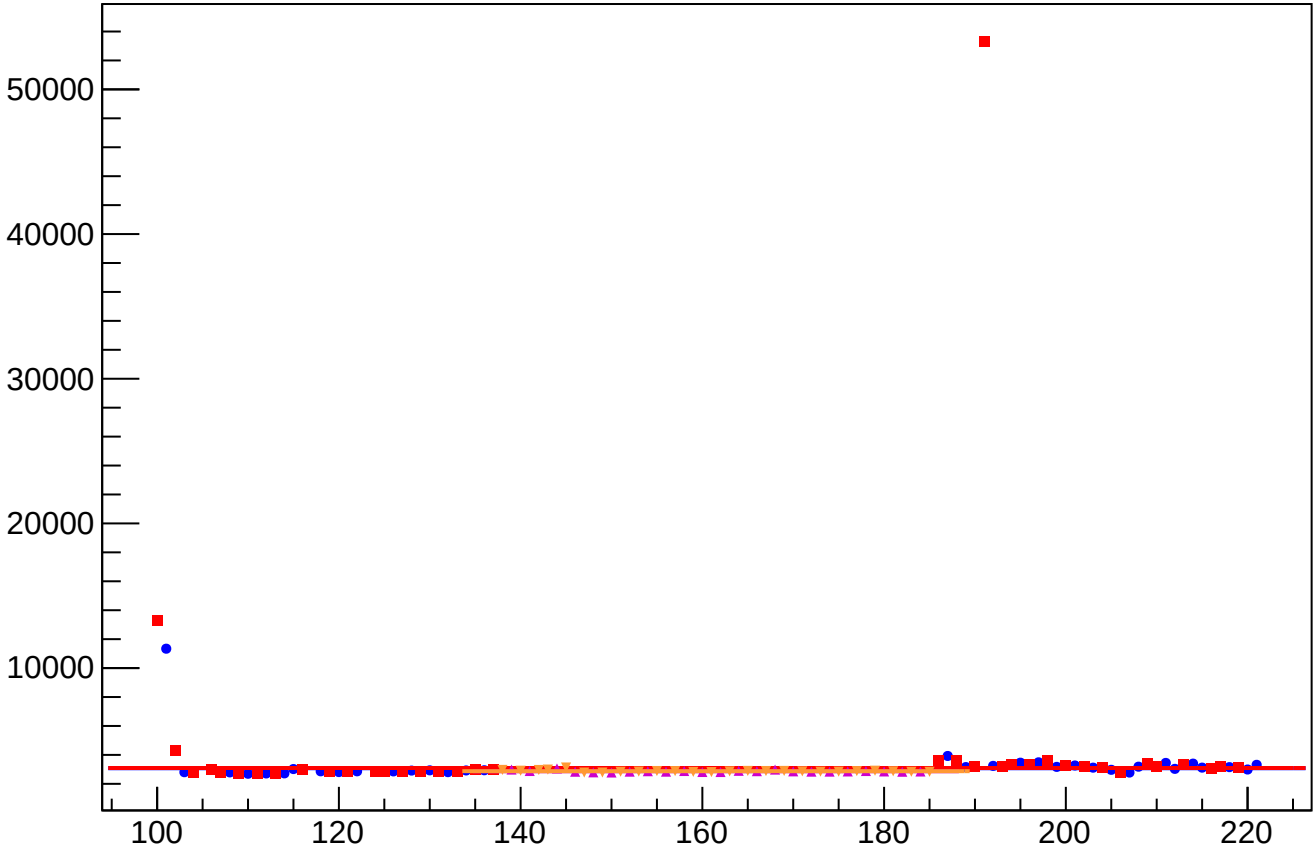
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2821.367+/-465.203 χ^2/NDF: 65.2/58

All: 677.379+/-332.965 χ^2/NDF: 197.2/118

- sign -1574.630+/-476.778 χ^2/NDF: 88.5/59

asym_atr1_rms vs Slug



Right In: 3078.182+/-0.469 χ^2/NDF: 940229.9/33

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

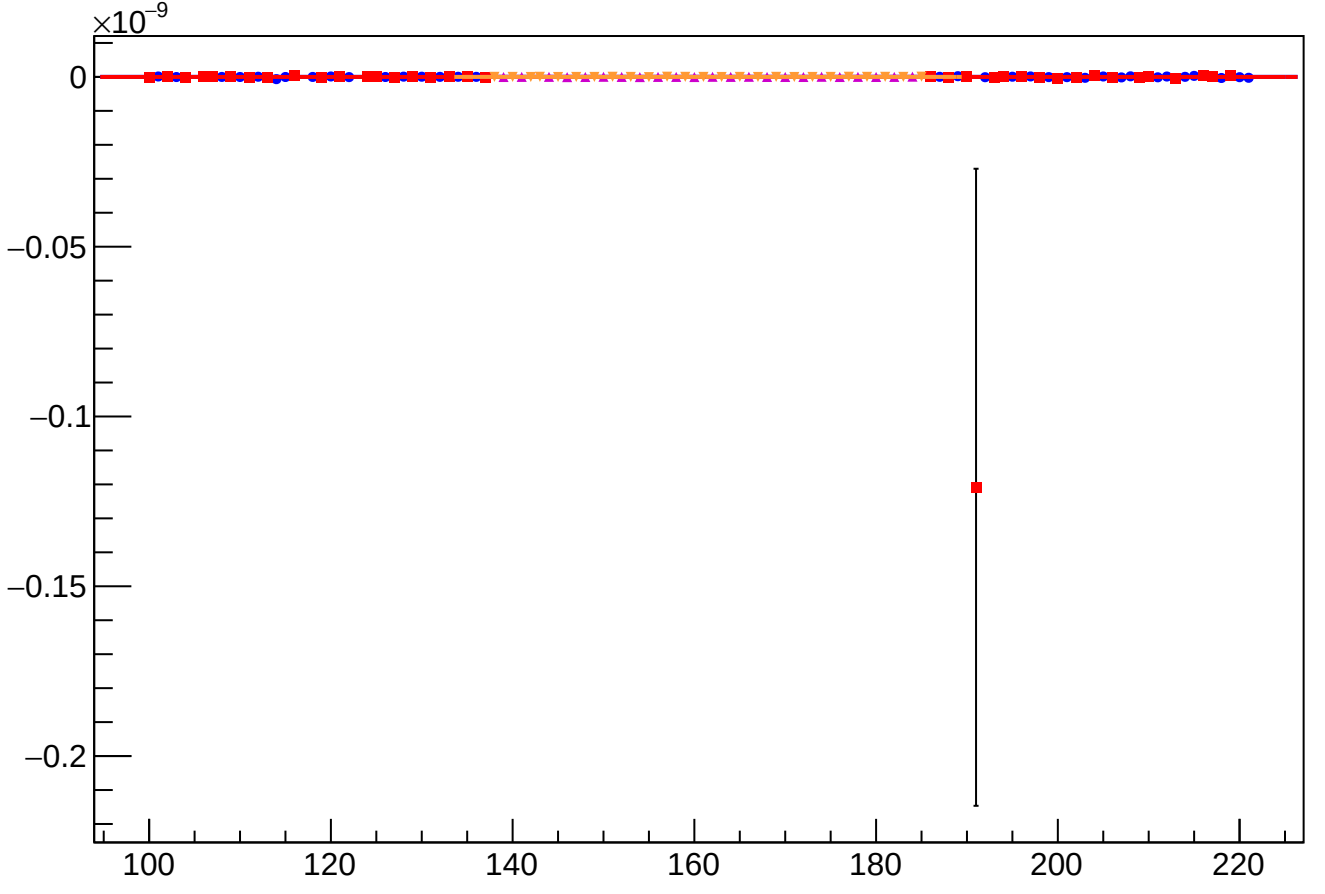
Right Out: 3094.480+/-0.480 χ^2/NDF: 763072.1/36

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2975.118+/-0.329 χ^2/NDF: 1057442.1/58

All: 2977.984+/-0.235 χ^2/NDF: 1949030.2/11

- sign 2980.995+/-0.337 χ^2/NDF: 891432.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.6/36

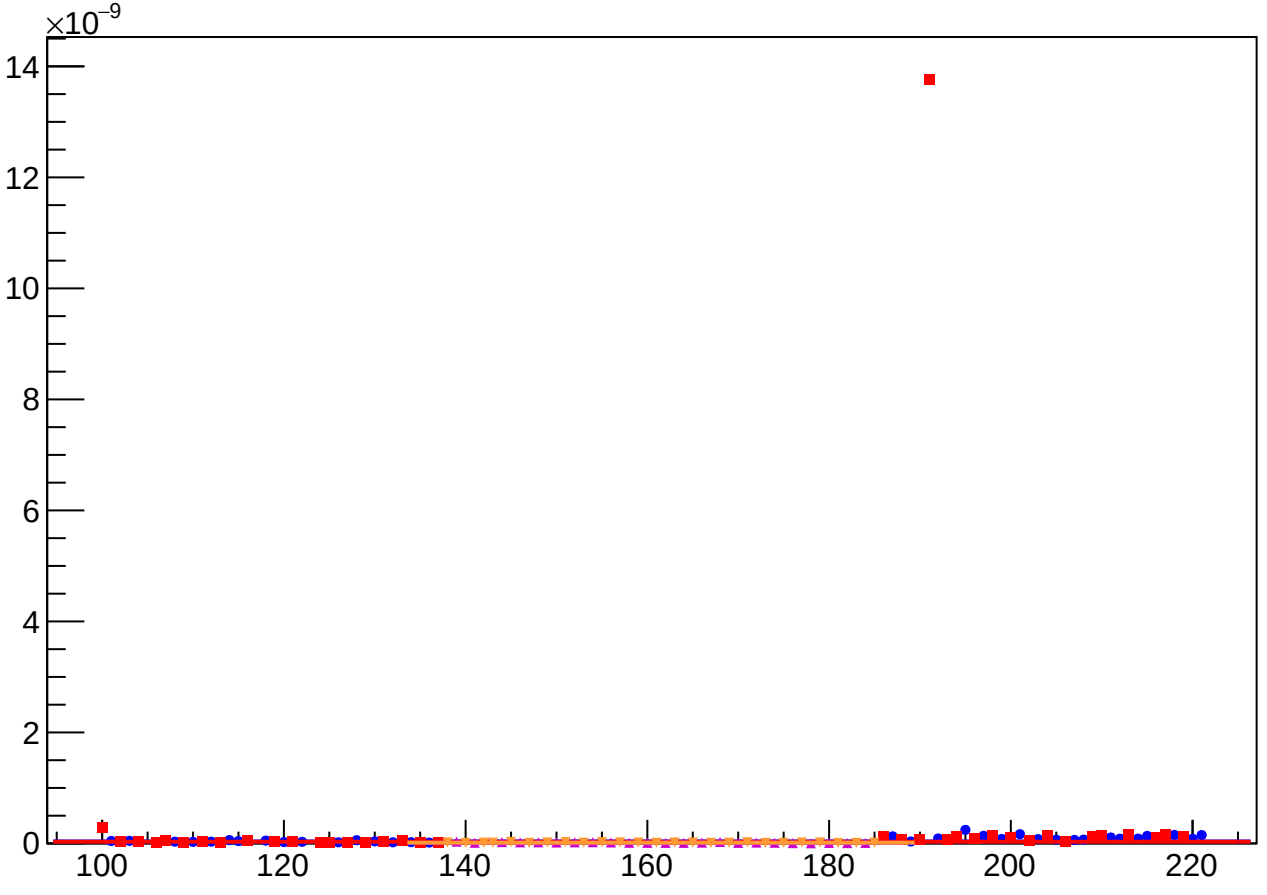
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/58

All: 0.000+/-0.000 χ^2/NDF: 121.9/118

- sign 0.000+/-0.000 χ^2/NDF: 76.7/59

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6396412.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6307441.4/36

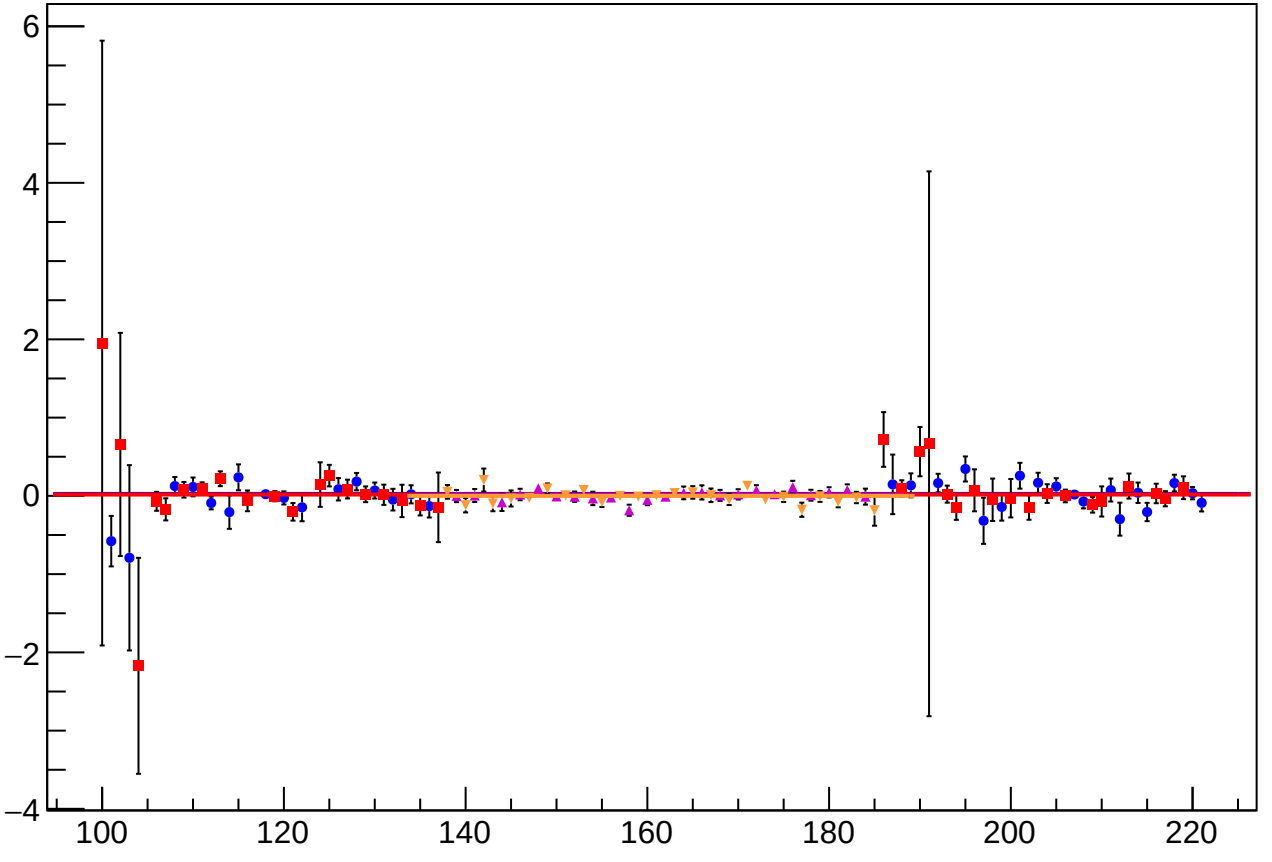
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11247675.4/58

All: 0.000+/-0.000 χ^2/NDF: 24454986.5/118

- sign 0.000+/-0.000 χ^2/NDF: 12857860.5/59

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

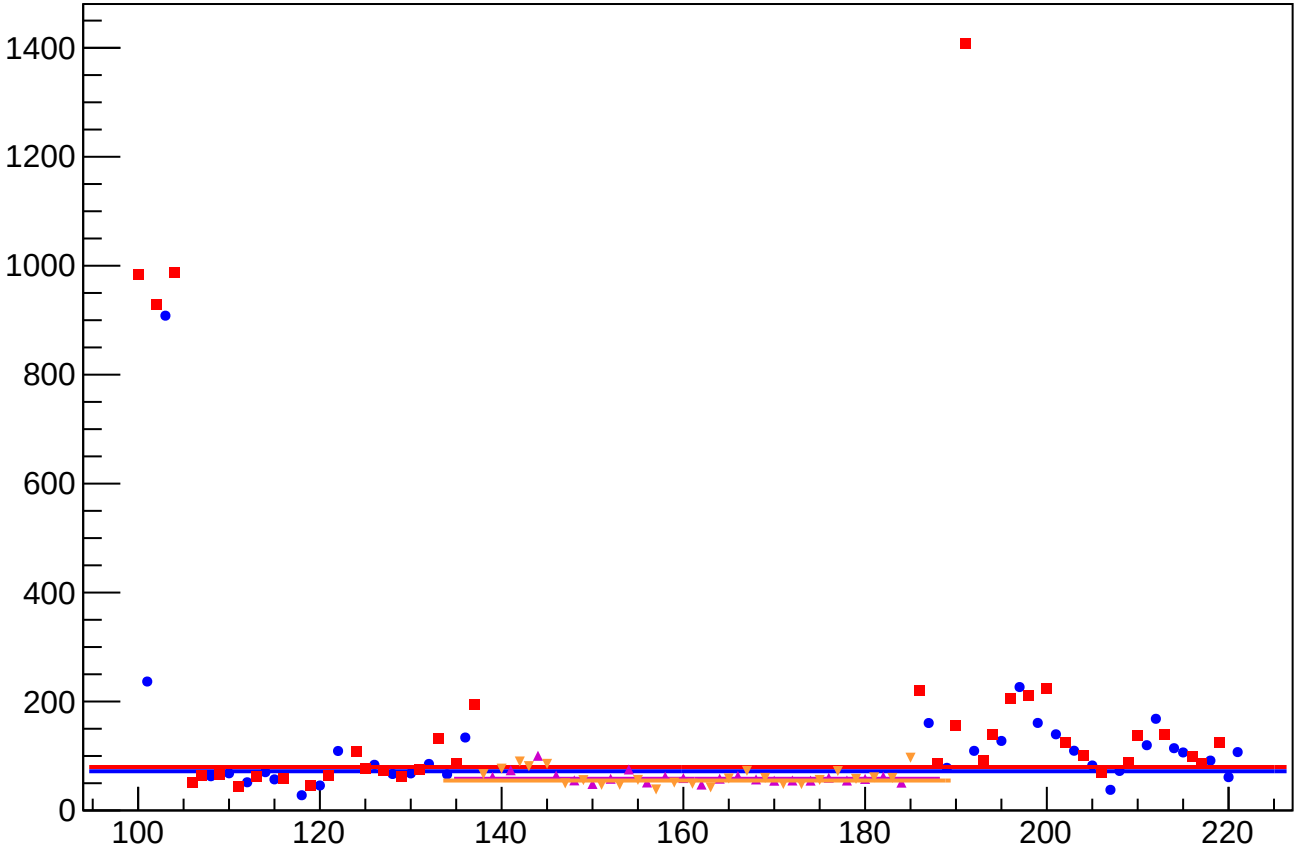
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 110.9/118

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 71.959+/-0.014 χ^2/NDF: 7951014.0/33

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

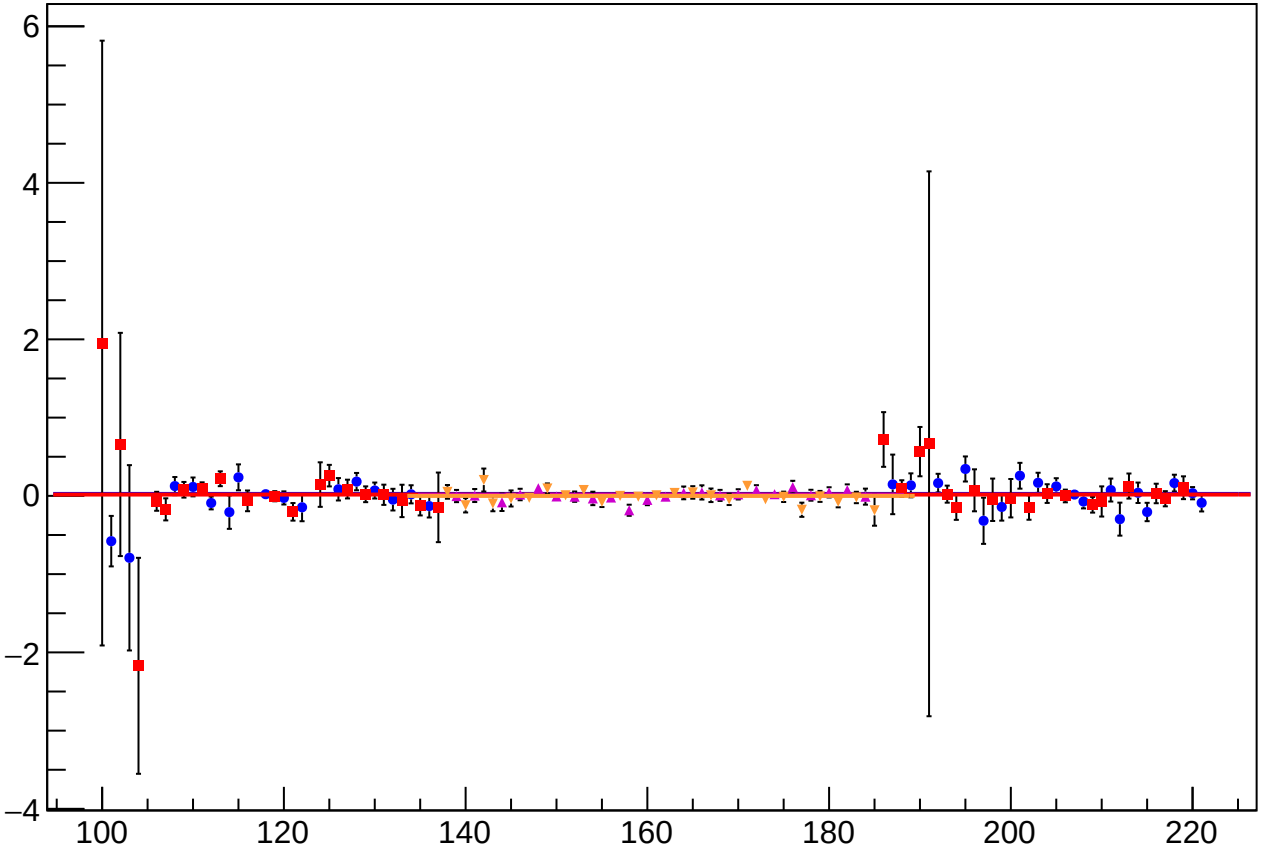
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.821+/-0.008 χ^2/NDF: 10258421.6/58

All: 62.852+/-0.006 χ^2/NDF: 19468328.2/118

- sign 65.172+/-0.009 χ^2/NDF: 9073908.6/59

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

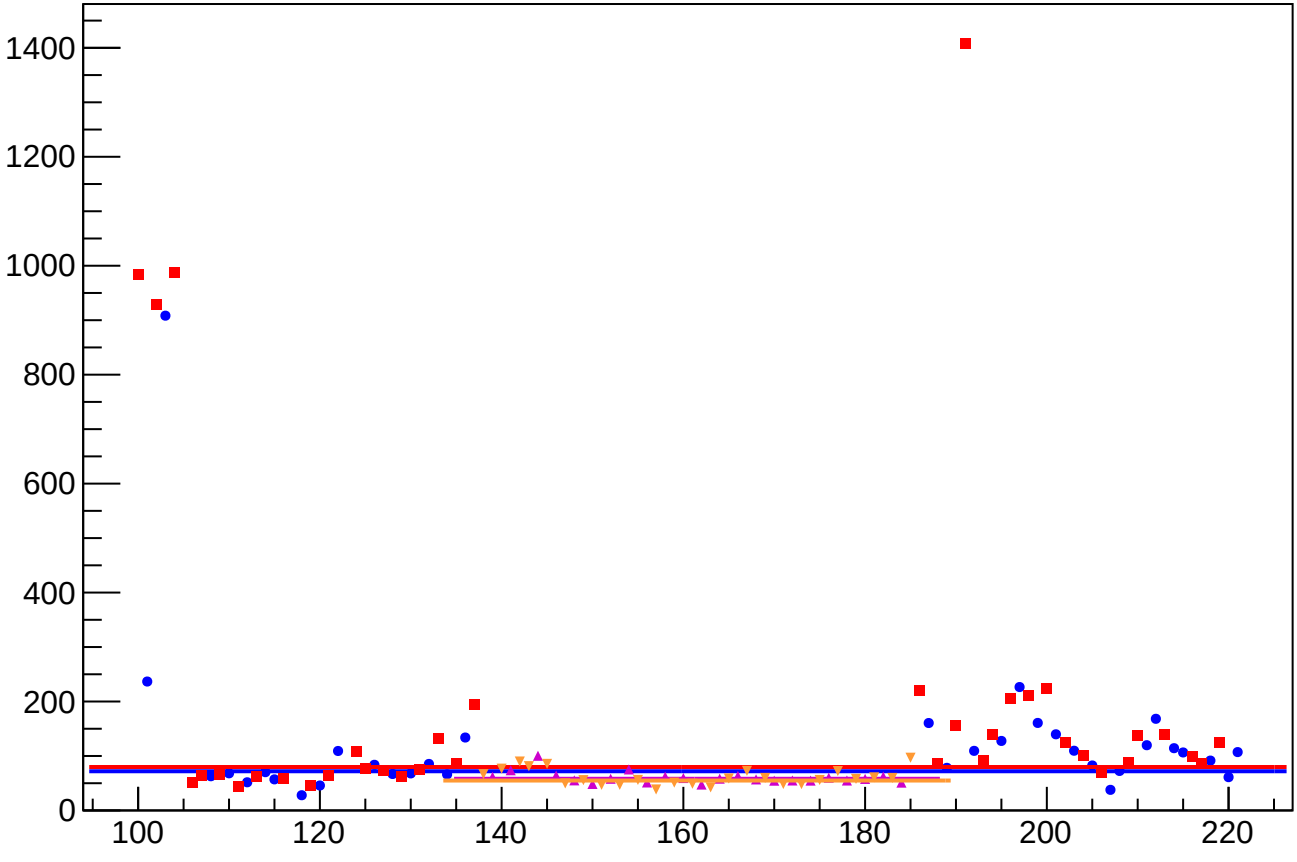
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 110.9/118

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.959+/-0.014 χ^2/NDF: 7951014.0/33

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

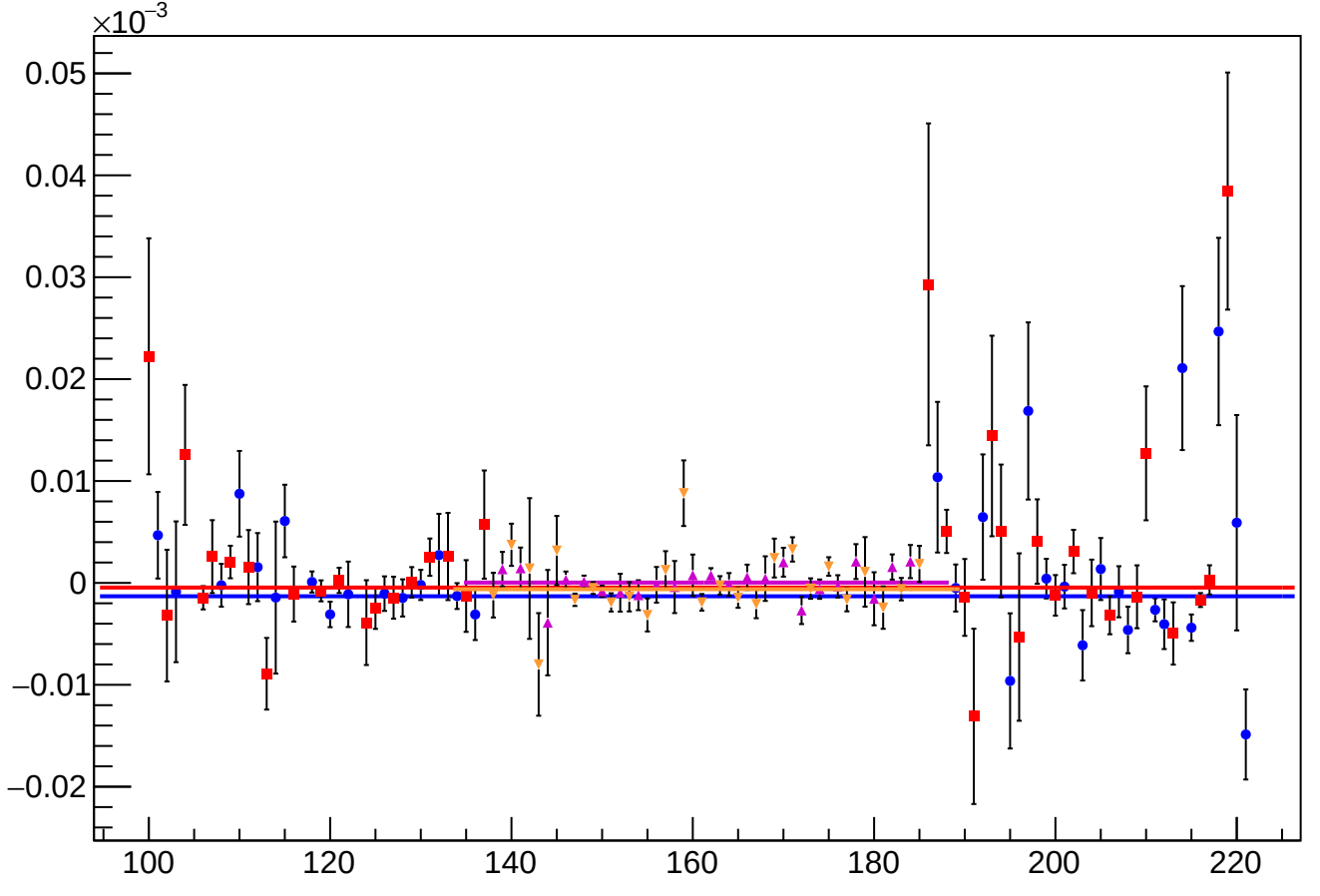
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.821+/-0.008 χ^2/NDF: 10258421.6/58

All: 62.852+/-0.006 χ^2/NDF: 19468328.2/118

- sign 65.172+/-0.009 χ^2/NDF: 9073908.6/59

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 68.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 67.8/36

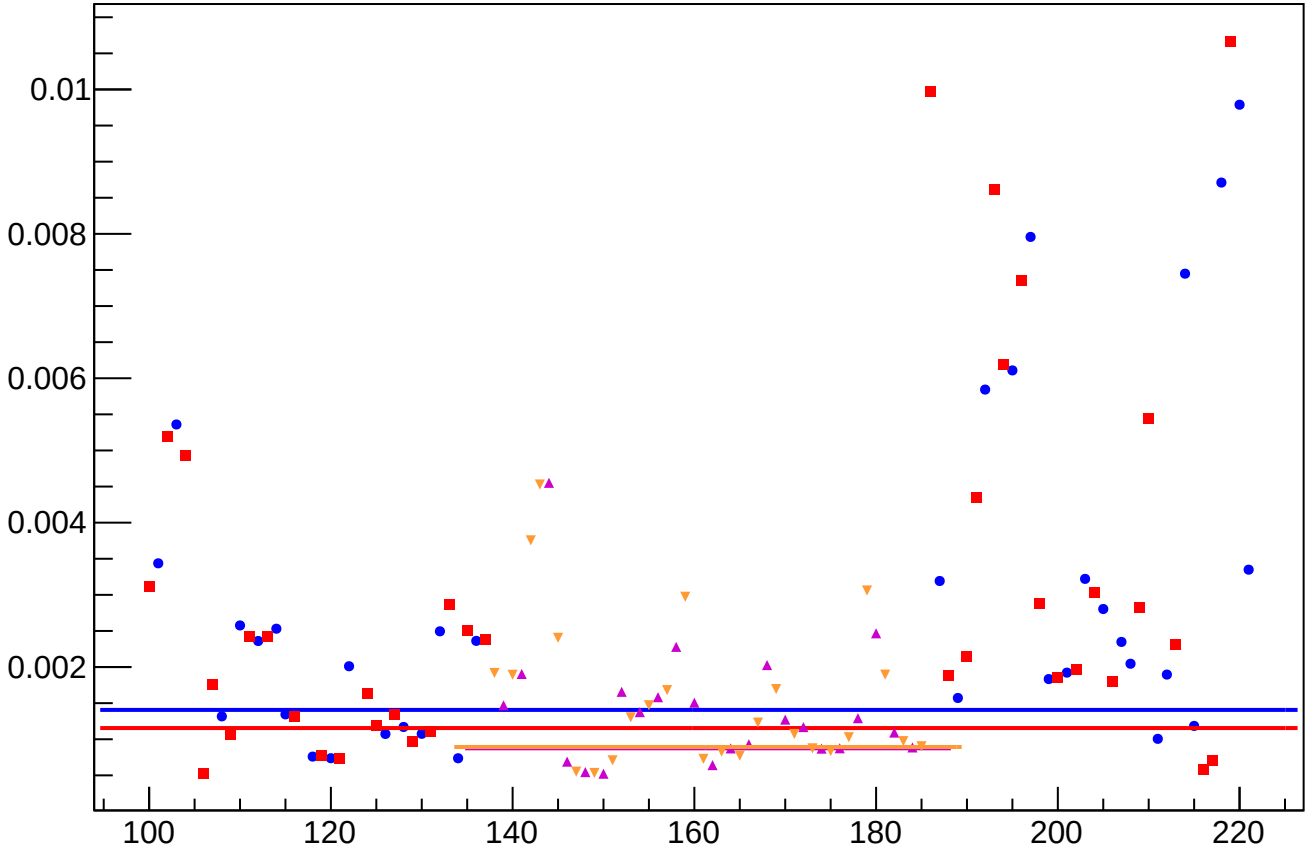
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 124.1/58

All: -0.000+/-0.000 χ^2/NDF: 217.6/118

- sign -0.000+/-0.000 χ^2/NDF: 87.4/59

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 13468196.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15112686.0/36

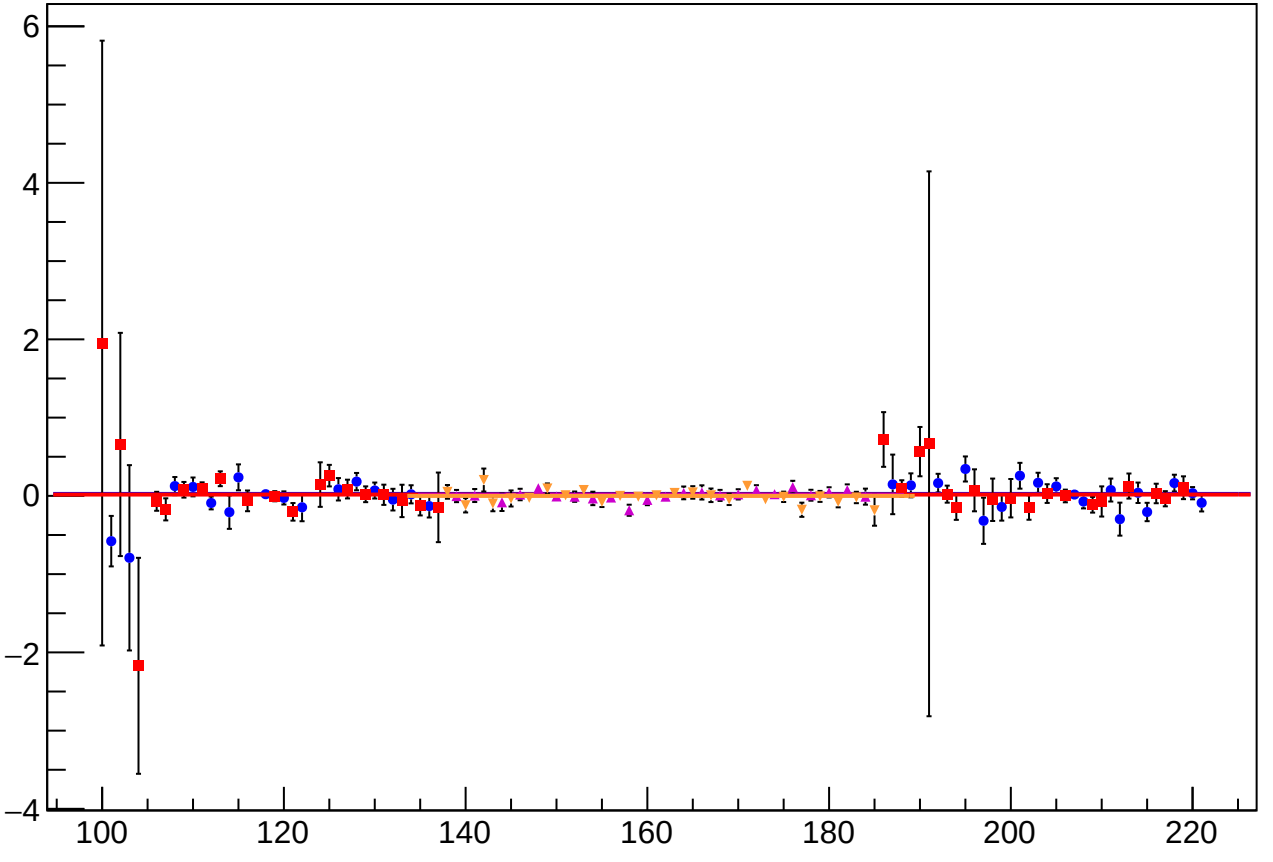
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23908618.7/58

All: 0.001+/-0.000 χ^2/NDF: 47034614.7/118

- sign 0.001+/-0.000 χ^2/NDF: 23001748.1/59

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

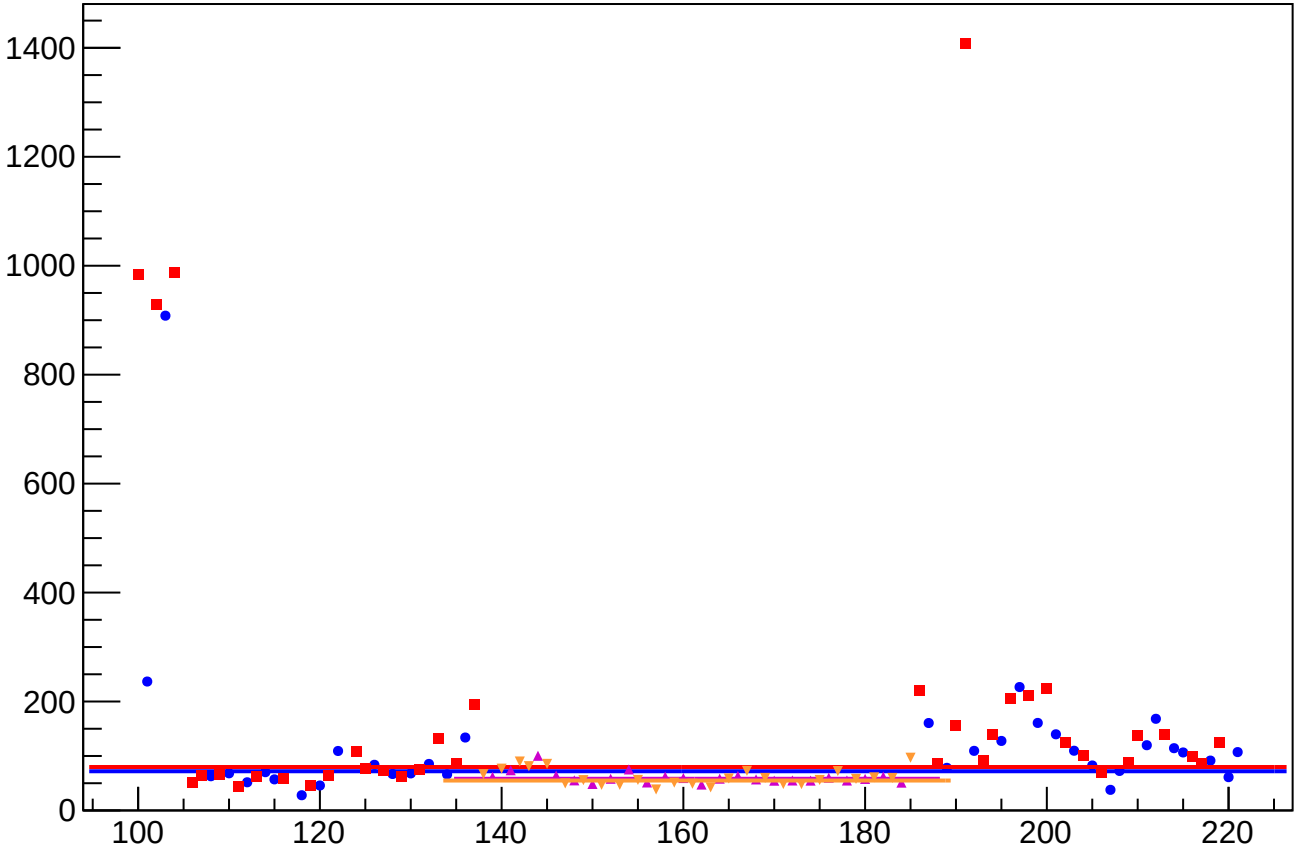
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 110.9/118

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.958+/-0.014 χ^2/NDF: 7951343.0/33

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

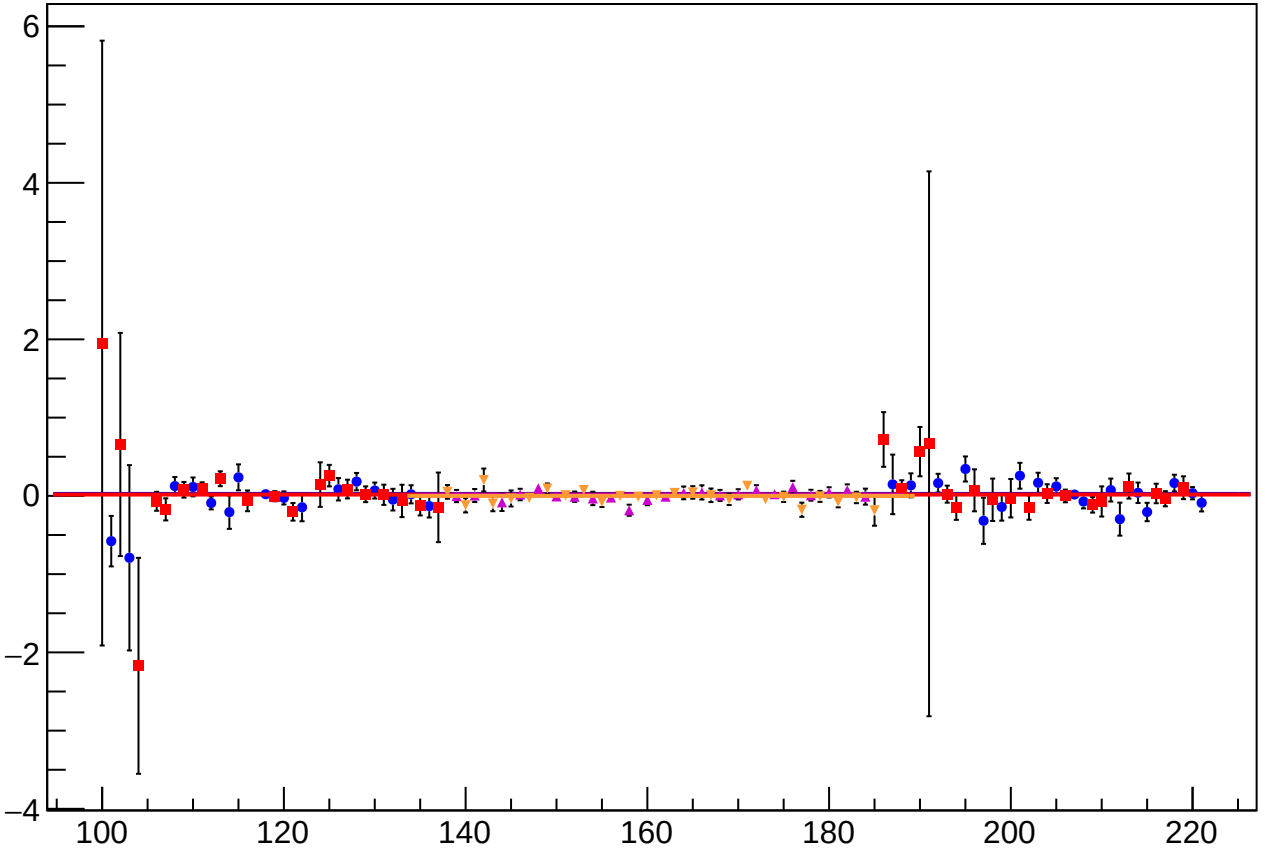
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.820+/-0.008 χ^2/NDF: 10258744.1/58

All: 62.851+/-0.006 χ^2/NDF: 19468677.0/118

- sign 65.172+/-0.009 χ^2/NDF: 9073894.0/59

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.019 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

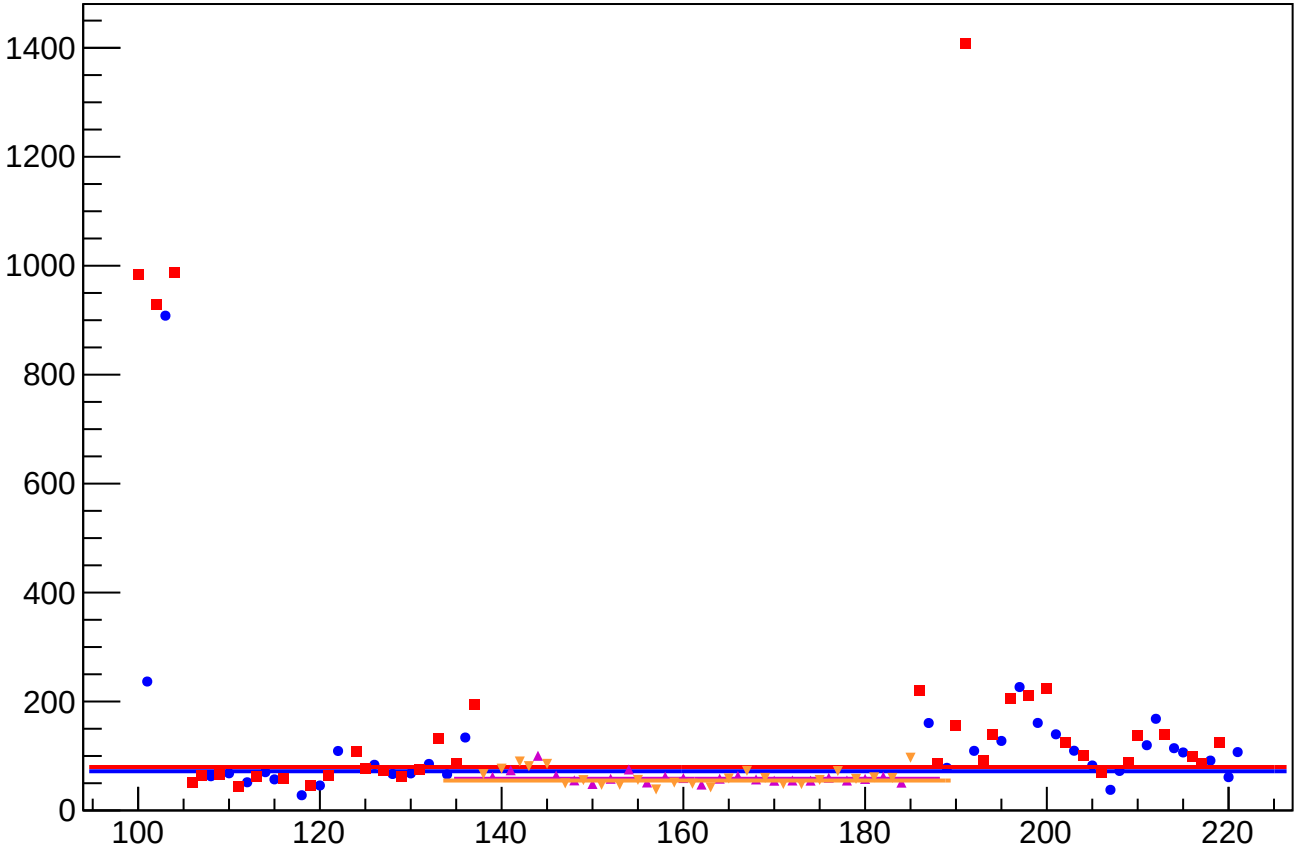
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.008+/-0.011 χ^2/NDF: 61.4/58

All: 0.010+/-0.008 χ^2/NDF: 110.9/118

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.958+/-0.014 χ^2/NDF: 7951343.0/33

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

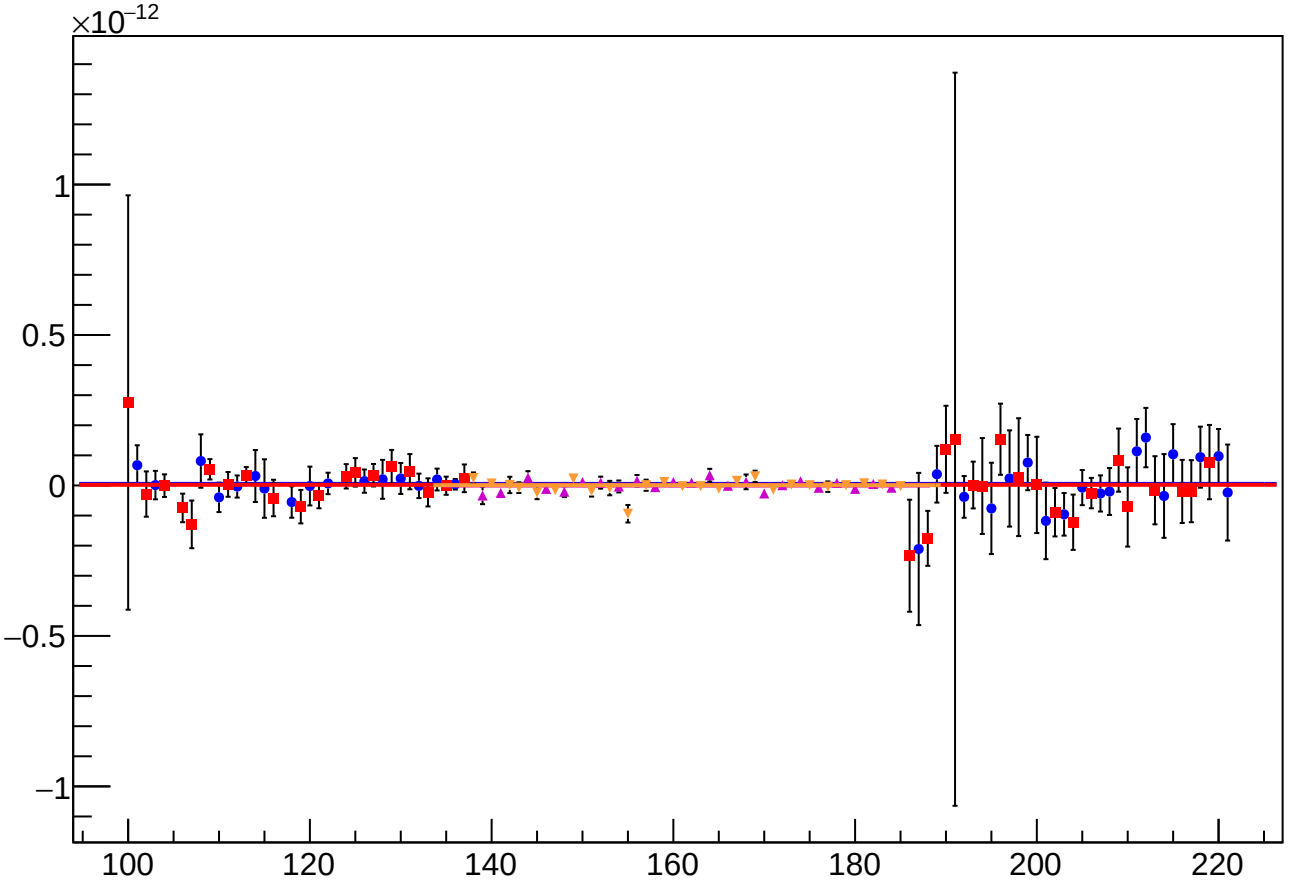
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.820+/-0.008 χ^2/NDF: 10258744.1/58

All: 62.851+/-0.006 χ^2/NDF: 19468677.0/118

- sign 65.172+/-0.009 χ^2/NDF: 9073894.0/59

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

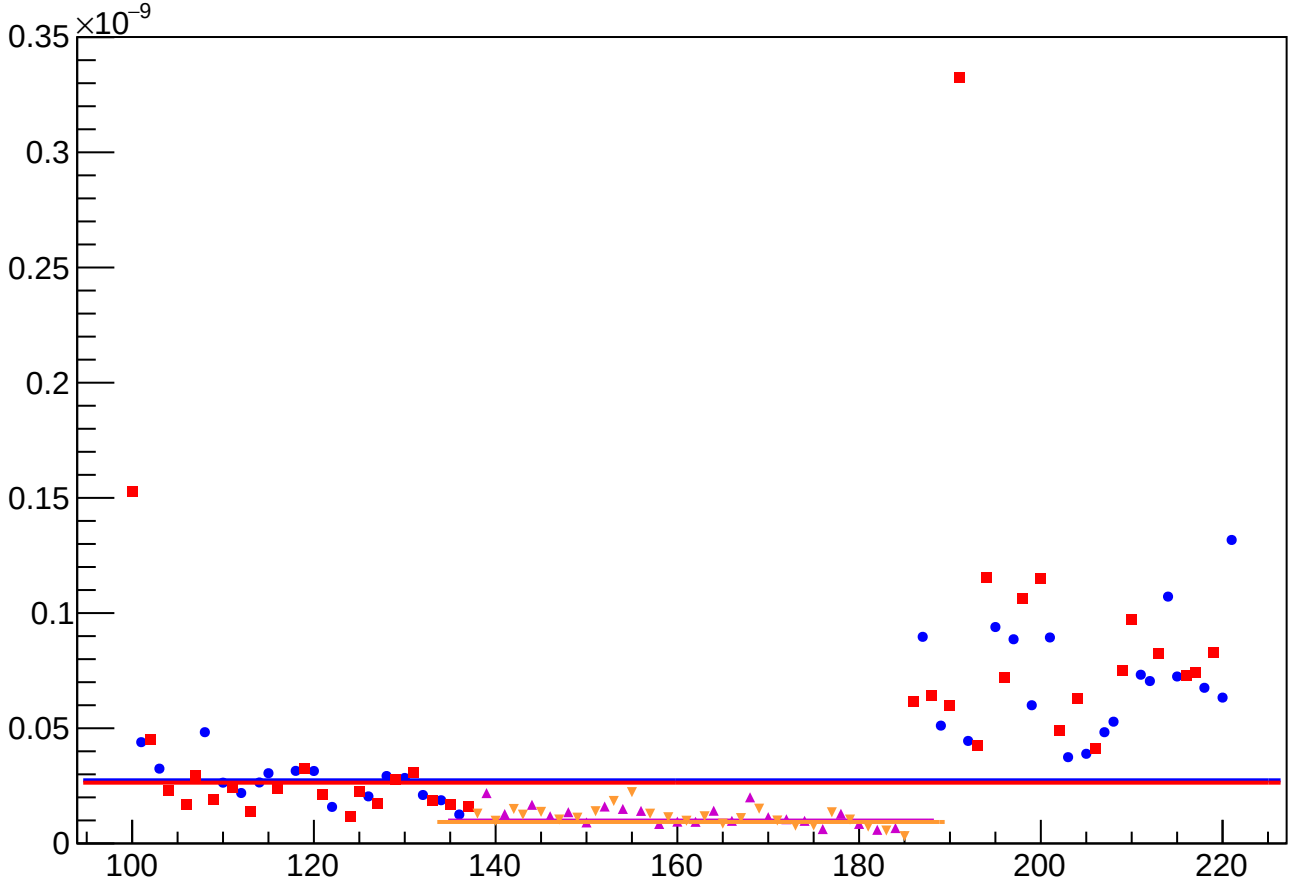
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/36

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

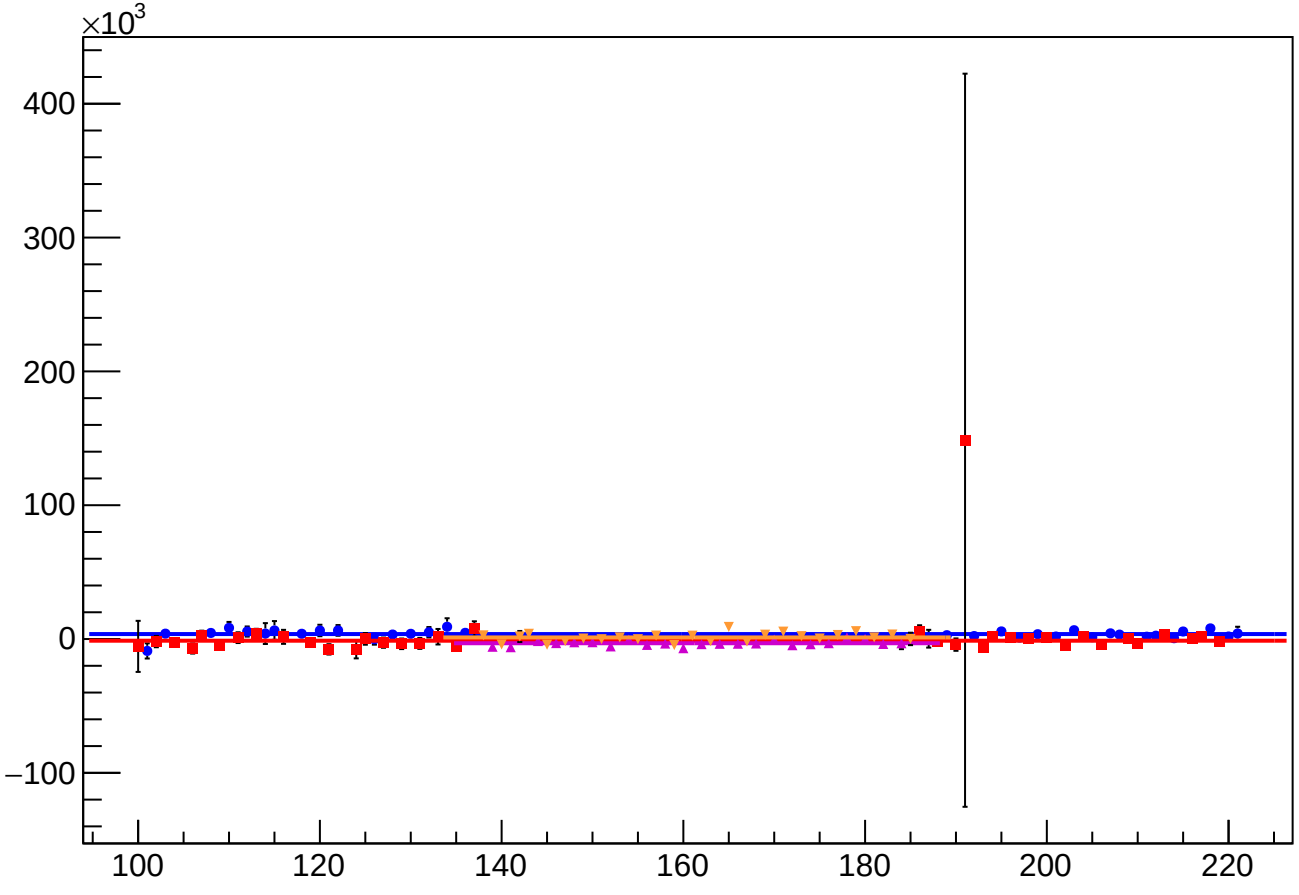
+ sign 0.000+/-0.000 χ^2/NDF: 41.8/58

All: 0.000+/-0.000 χ^2/NDF: 91.1/118

- sign 0.000+/-0.000 χ^2/NDF: 49.2/59


asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7848875.4/33
Left Out: 0.000+/-0.000 χ²/NDF:3070809.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 7585796.0/36
Left In: 0.000+/-0.000 χ²/NDF:2573277.3/22
+ sign 0.000+/-0.000 χ²/NDF: 17920068.1/58
All: 0.000+/-0.000 χ²/NDF: 33764317.0/118
- sign 0.000+/-0.000 χ²/NDF: 15790581.0/59

reg_asym_atr2_mean vs Slug



Right In: 3713.000+/-582.822 χ^2/NDF: 17.3/33

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1252.244+/-583.074 χ^2/NDF: 33.1/36

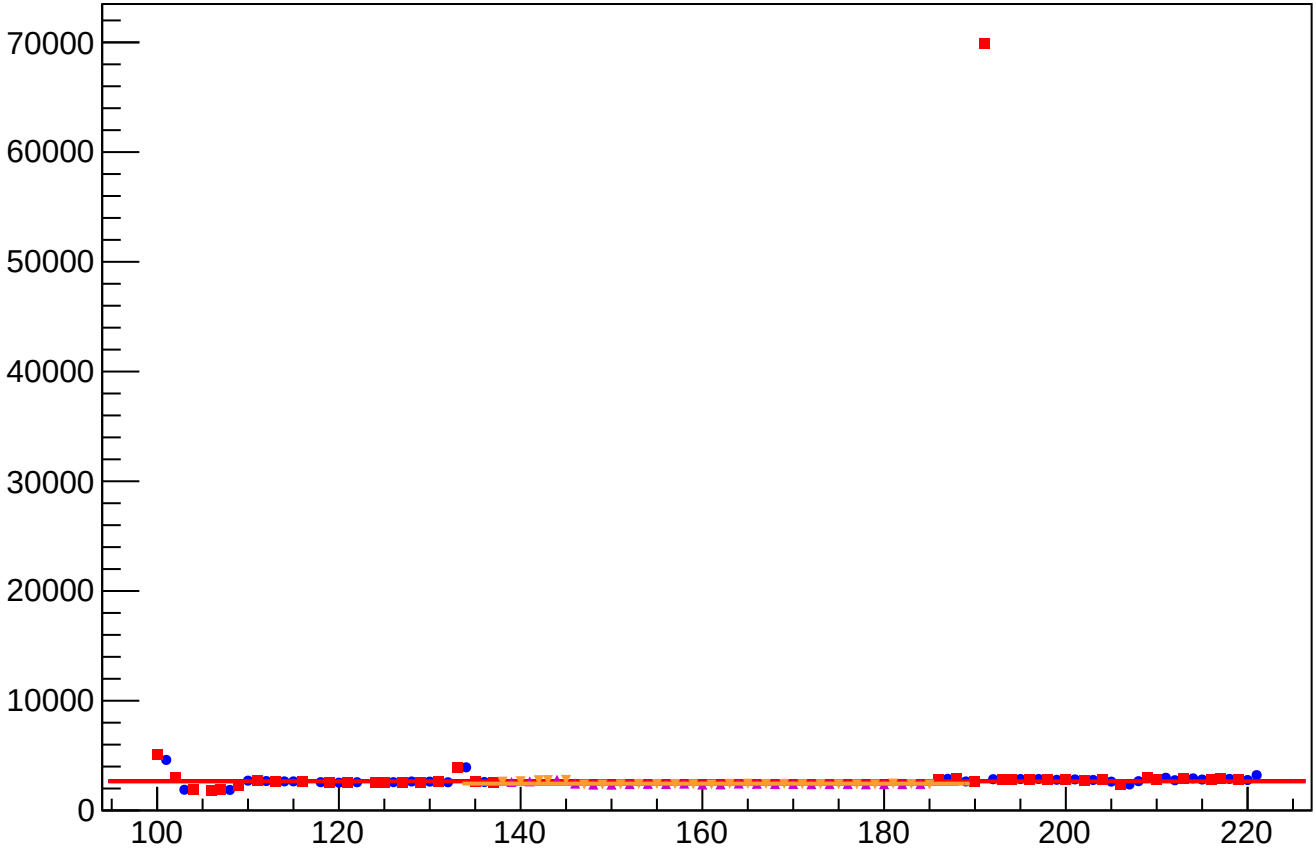
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2392.048+/-402.391 χ^2/NDF: 58.2/58

All: 112.750+/-286.257 χ^2/NDF: 174.4/118

- sign -2222.612+/-407.310 χ^2/NDF: 51.2/59

reg_asym_atr2_rms vs Slug



Right In: 2674.721+/-0.412 χ^2/NDF: 807881.4/33

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.640+/-0.412 χ^2/NDF: 826857.4/36

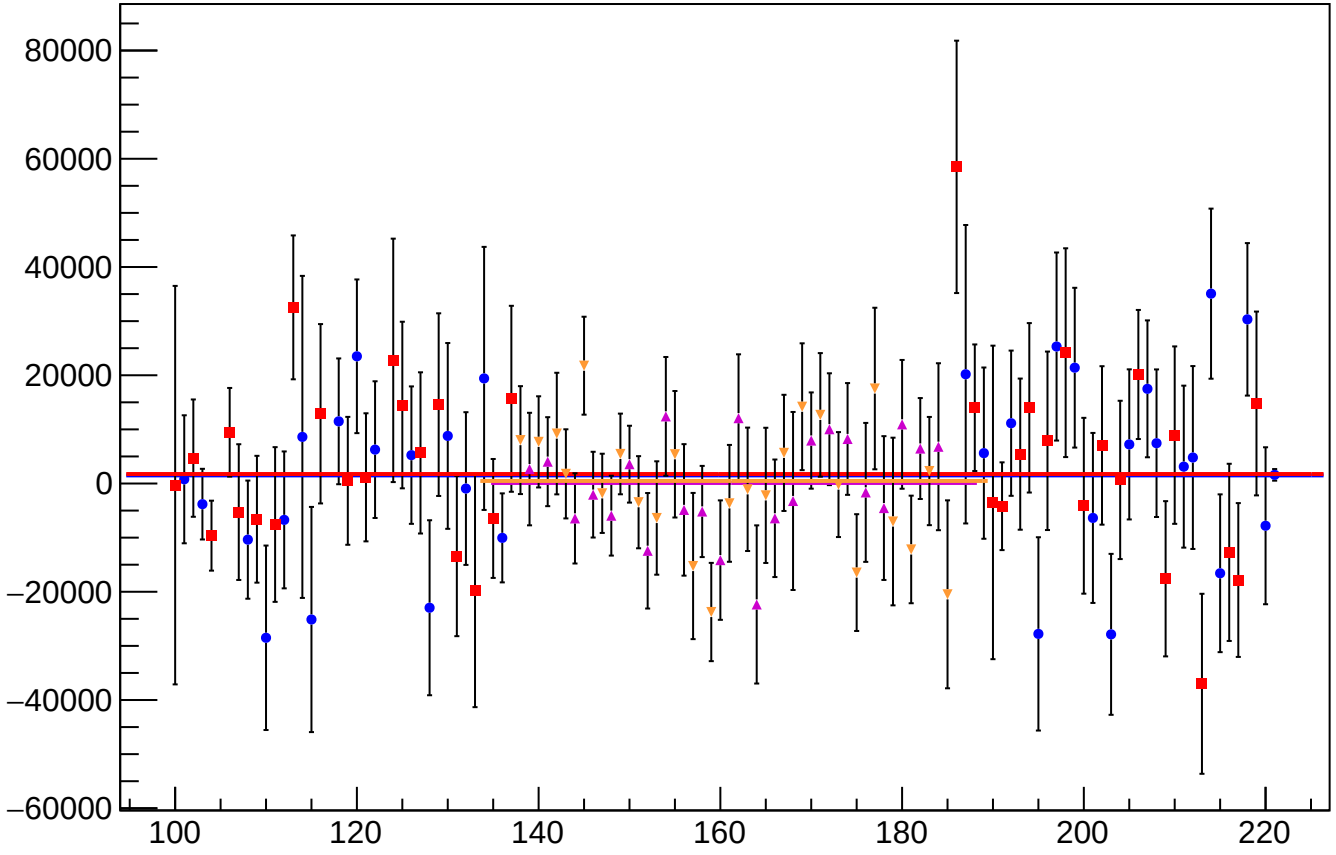
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2554.935+/-0.285 χ^2/NDF: 1059332.8/58

All: 2548.875+/-0.202 χ^2/NDF: 2090352.8/11

- sign 2542.666+/-0.288 χ^2/NDF: 1030101.7/59

asym_atr2_reg_correction_mean vs Slug



Right In: 1503.376+/-976.454 χ^2/NDF: 39.8/33

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 1751.778+/-2189.805 χ^2/NDF: 39.7/36

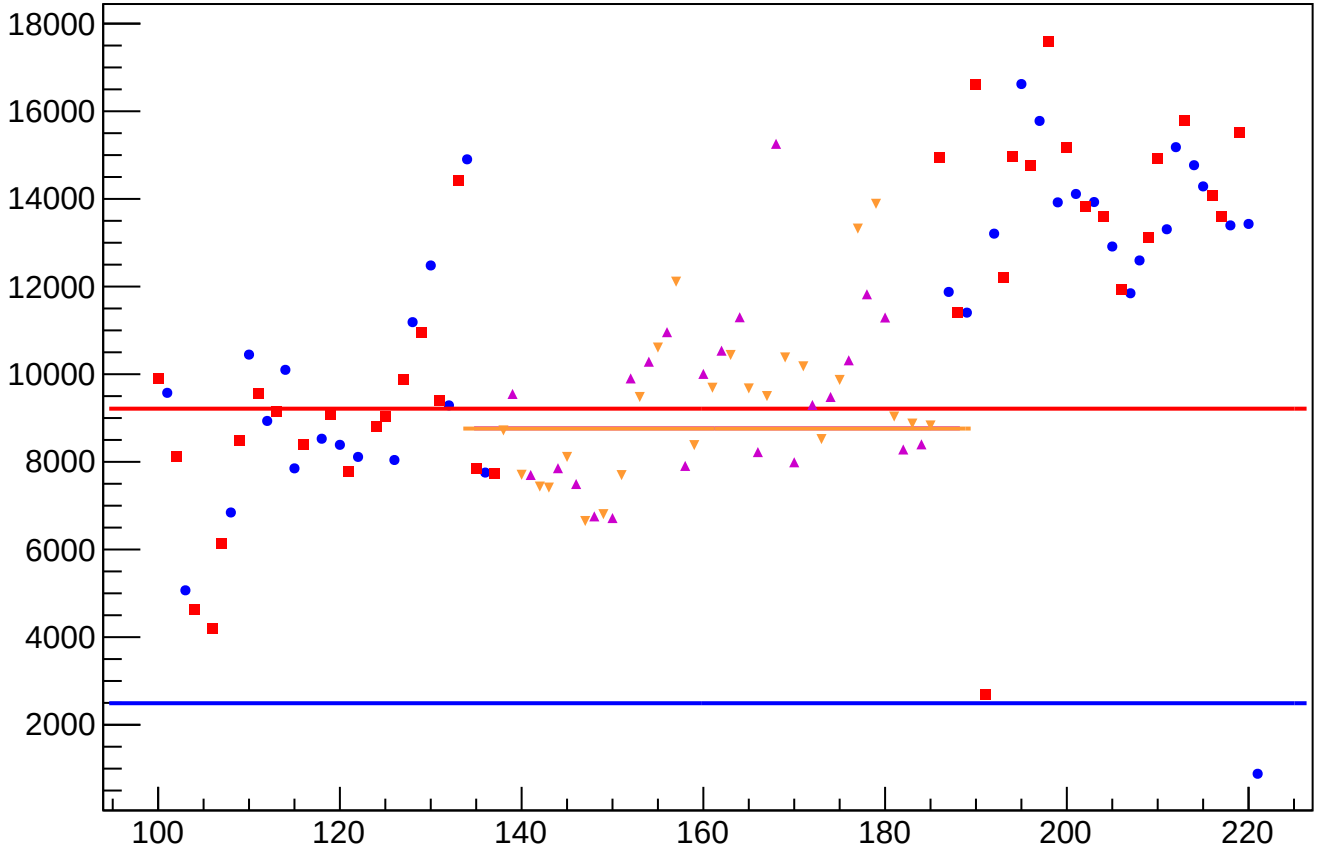
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 1311.475+/-880.433 χ^2/NDF: 67.4/58

All: 1204.863+/-760.873 χ^2/NDF: 121.9/118

- sign 890.336+/-1512.246 χ^2/NDF: 54.5/59

asym_atr2_reg_correction_rms vs Slug



Right In: 2492.371+/-0.690 χ^2/NDF: 30196581.7/33

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

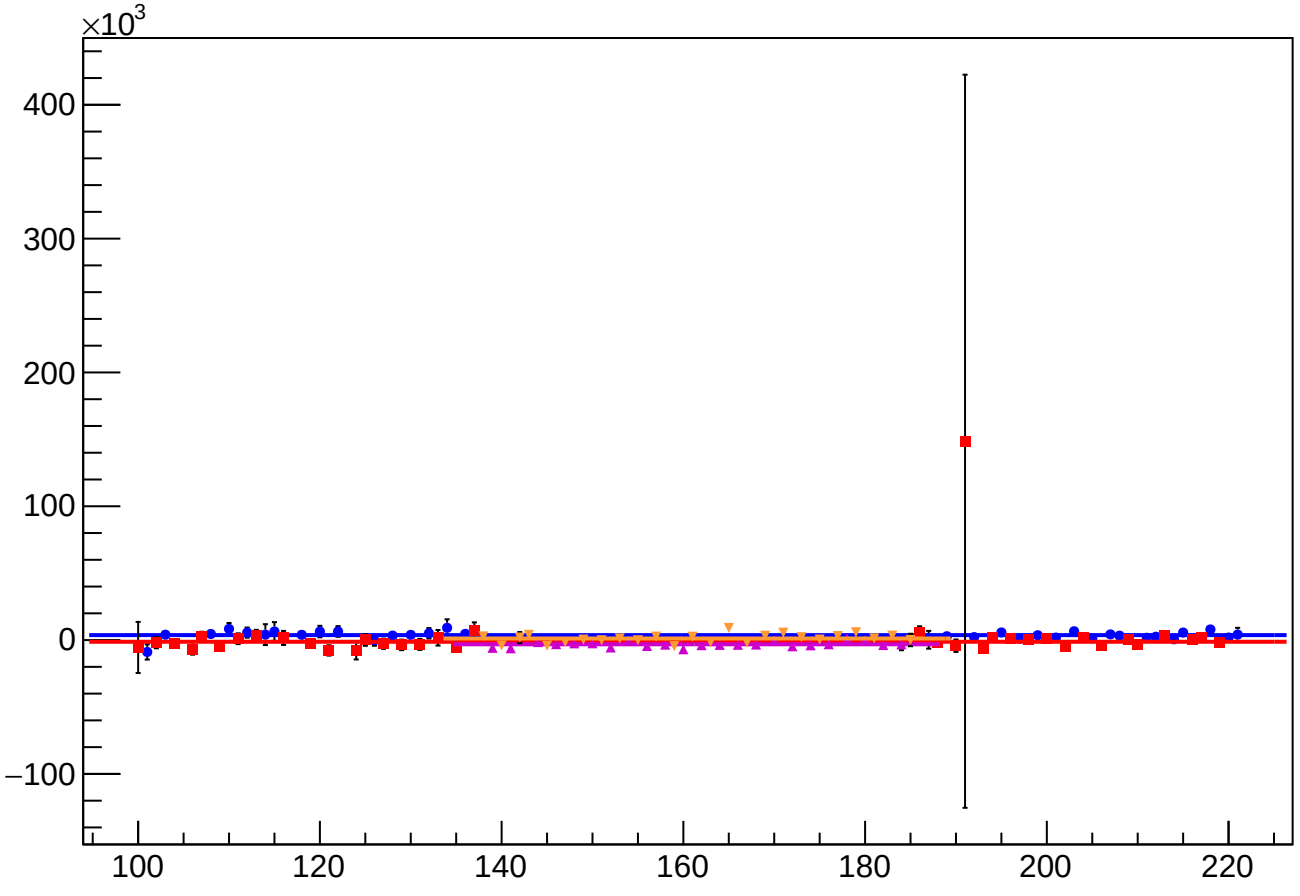
Right Out: 9213.718+/-1.548 χ^2/NDF: 6812899.1/36

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 3664.372+/-0.623 χ^2/NDF: 46826324.5/58

All: 5009.664+/-0.538 χ^2/NDF: 73420502.5/1

- sign 8978.546+/-1.069 χ^2/NDF: 8148695.4/59



Right In: 3712.854+/-582.822 χ^2/NDF: 17.3/33

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1252.564+/-583.076 χ^2/NDF: 33.1/36

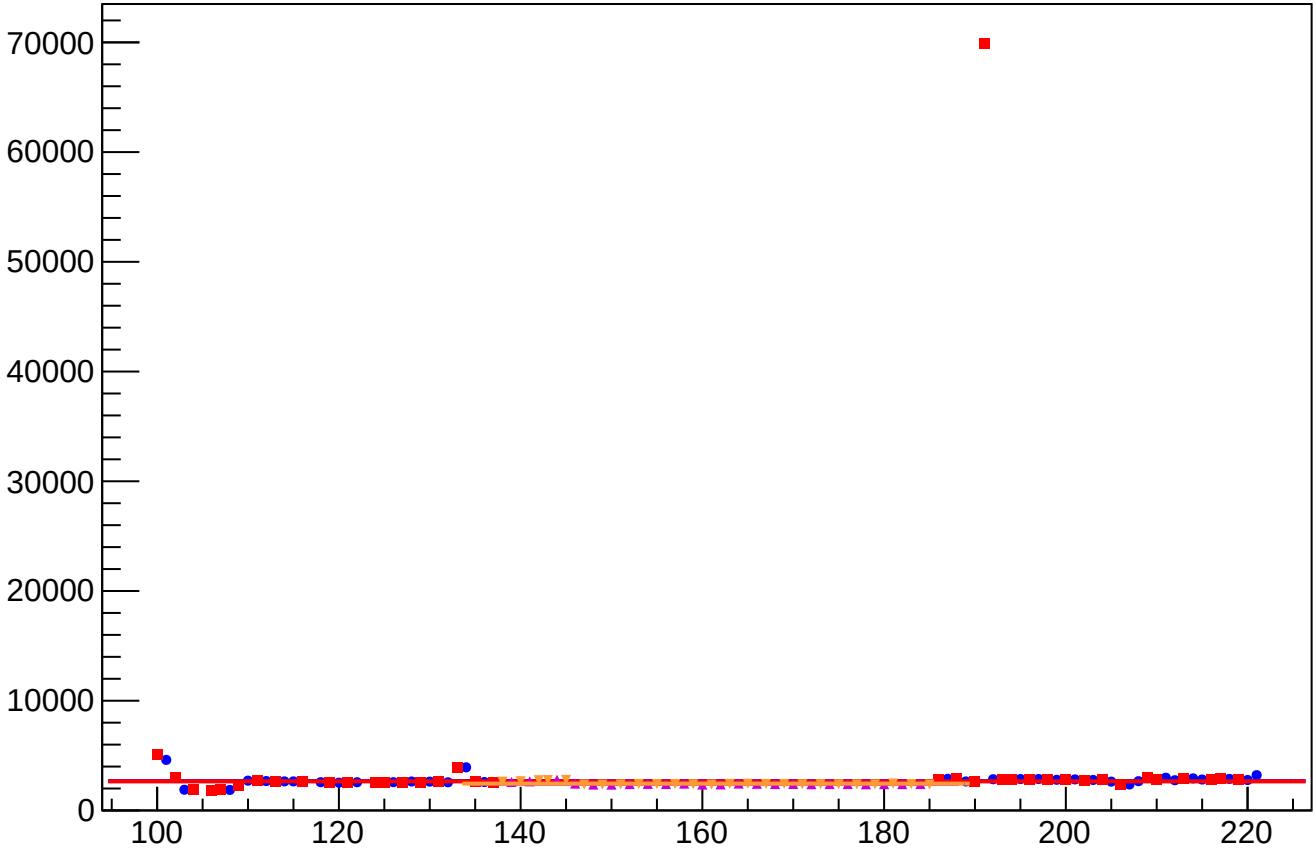
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2391.889+/-402.391 χ^2/NDF: 58.2/58

All: 112.644+/-286.257 χ^2/NDF: 174.4/118

- sign -2222.670+/-407.310 χ^2/NDF: 51.2/59

cor_asym_atr2_rms vs Slug



Right In: 2674.721+/-0.412 χ^2/NDF: 807878.4/33

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

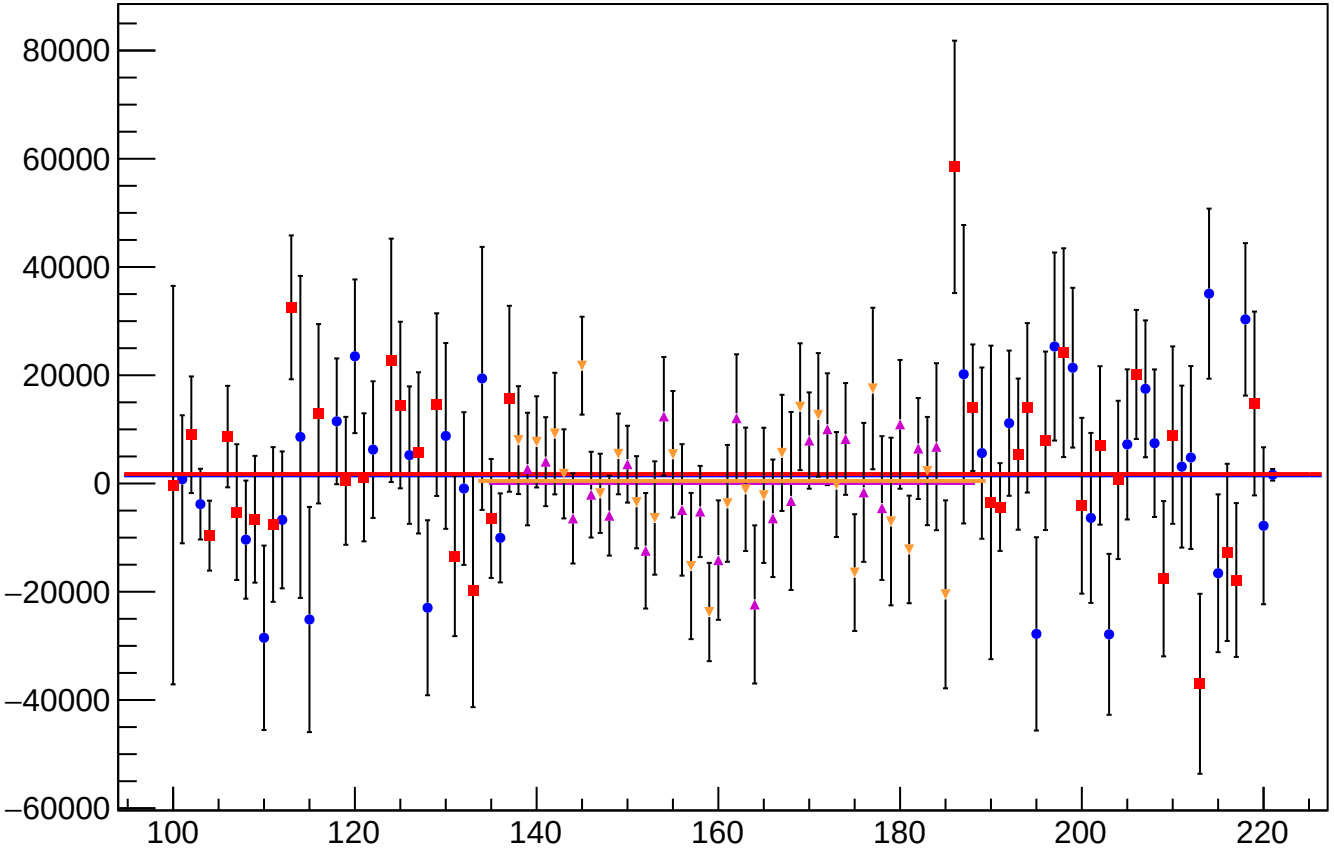
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2554.935+/-0.285 χ^2/NDF: 1059330.3/58

All: 2548.878+/-0.202 χ^2/NDF: 2090284.2/11

- sign 2542.671+/-0.288 χ^2/NDF: 1030036.3/59

asym_atr2_cor_correction_mean vs Slug



Right In: 1510.042+/-977.143 χ^2/NDF: 39.8/33

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1746.945+/-2208.167 χ^2/NDF: 39.8/36

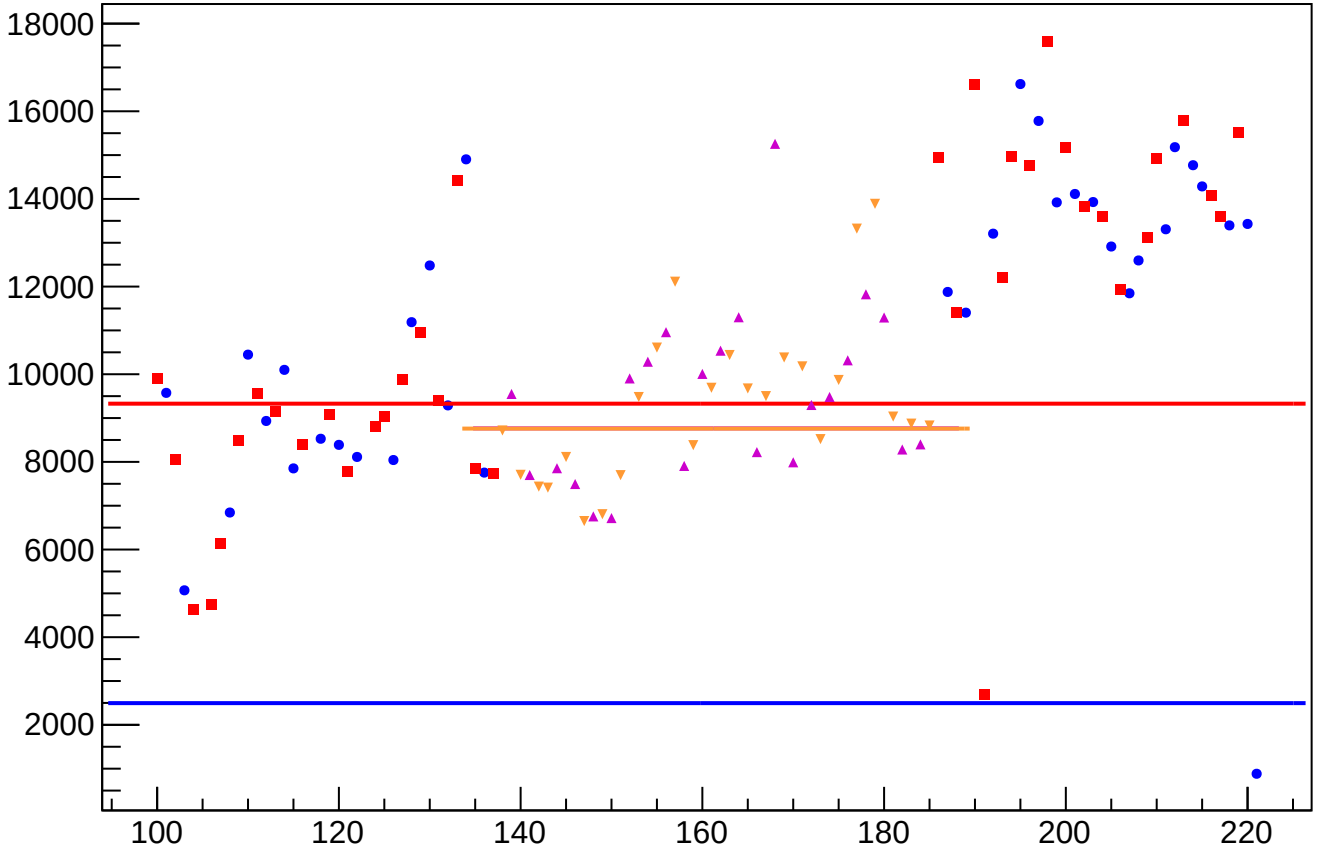
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 1316.675+/-880.938 χ^2/NDF: 67.4/58

All: 1206.999+/-761.962 χ^2/NDF: 122.0/118

- sign 881.230+/-1518.253 χ^2/NDF: 54.6/59

asym_atr2_cor_correction_rms vs Slug



Right In: 2495.475+/-0.691 χ^2/NDF: 30183364.0/33

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

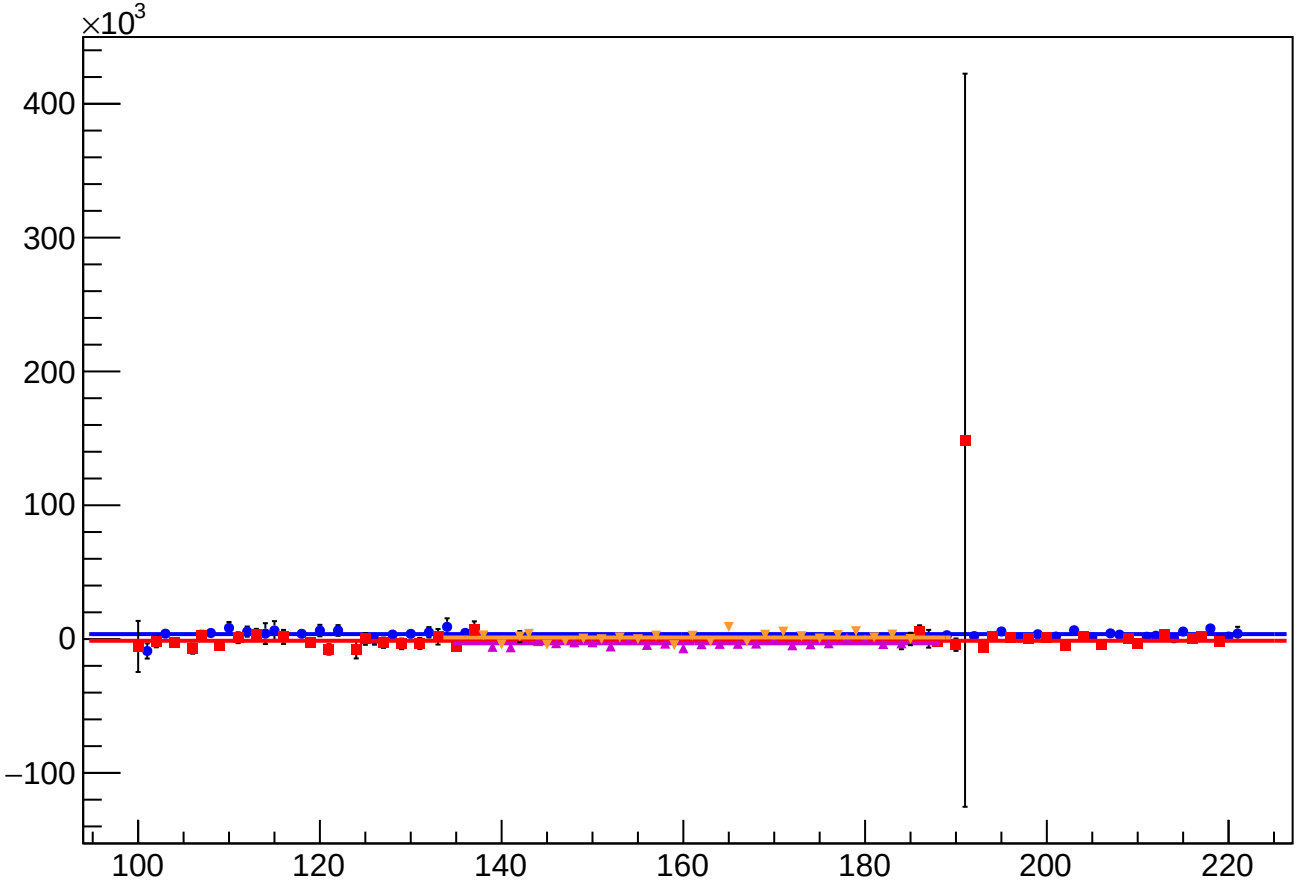
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 3668.241+/-0.623 χ^2/NDF: 46793772.3/58

All: 5018.920+/-0.539 χ^2/NDF: 73330691.6/1

- sign 9030.815+/-1.074 χ^2/NDF: 7870321.0/59

eigen_cor_asym_atr2_mean vs Slug



Right In: 3712.854+/-582.822 χ^2/NDF: 17.3/33

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1252.564+/-583.076 χ^2/NDF: 33.1/36

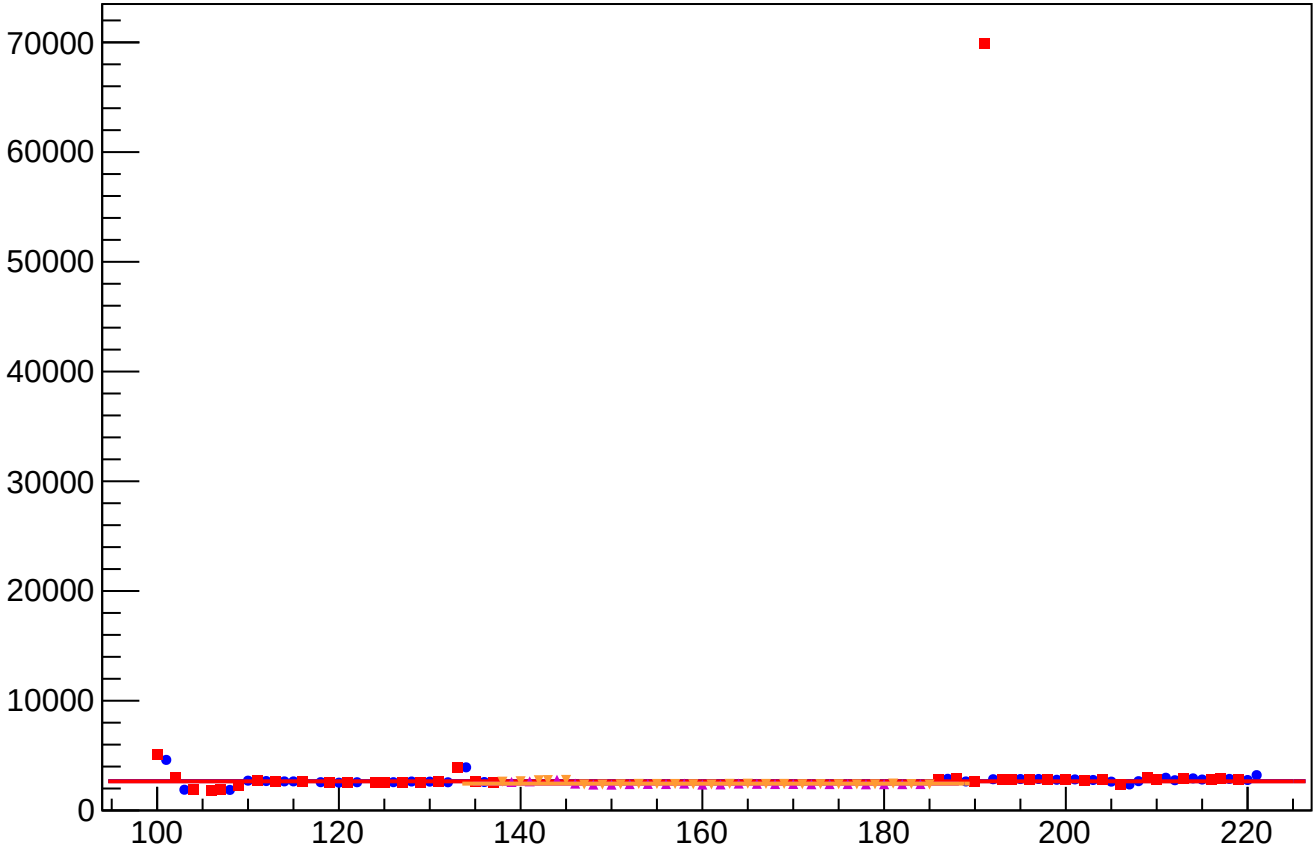
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2391.889+/-402.391 χ^2/NDF: 58.2/58

All: 112.644+/-286.257 χ^2/NDF: 174.4/118

- sign -2222.670+/-407.310 χ^2/NDF: 51.2/59

eigen_cor_asym_atr2_rms vs Slug



Right In: 2674.721+/-0.412 χ^2/NDF: 807878.4/33

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

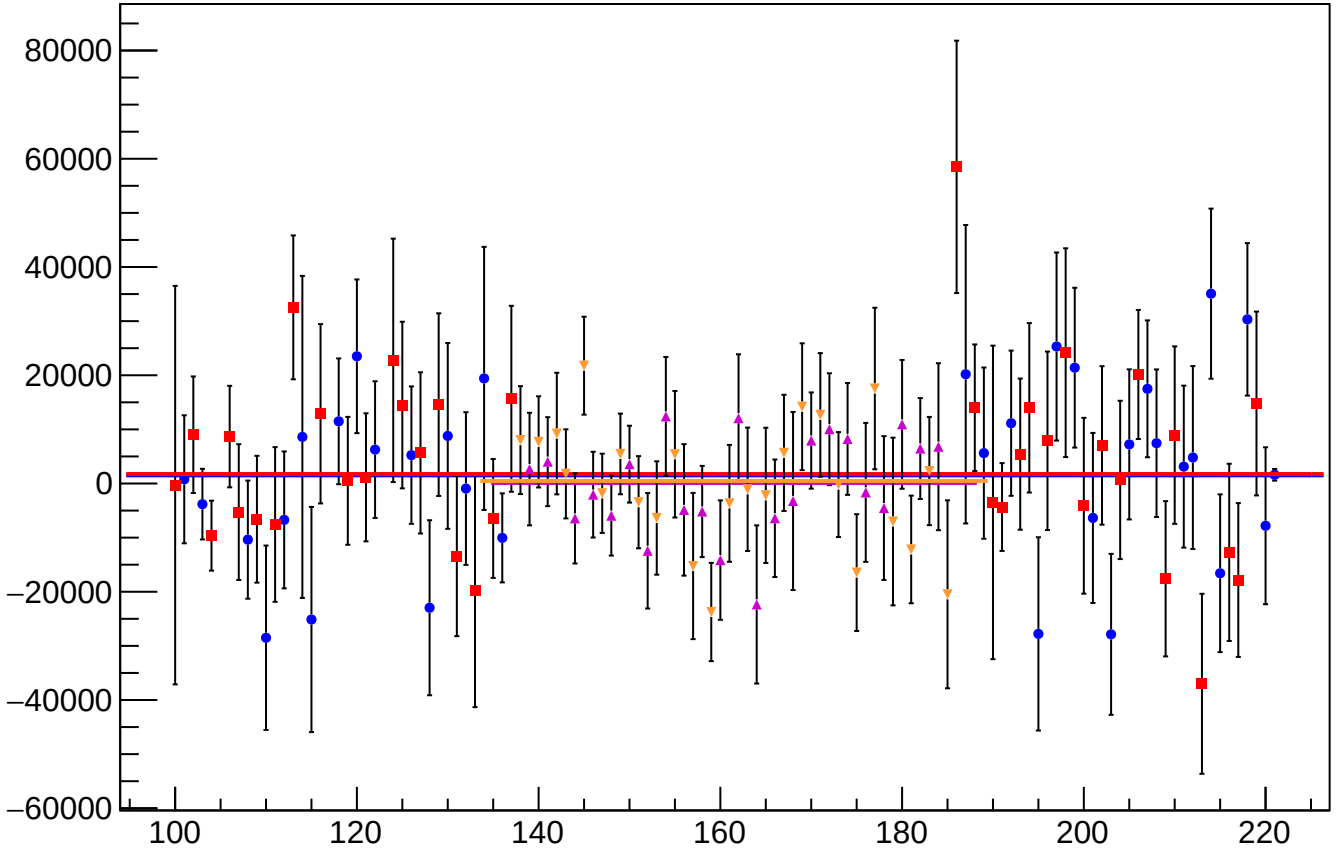
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2554.935+/-0.285 χ^2/NDF: 1059330.3/58

All: 2548.878+/-0.202 χ^2/NDF: 2090284.2/11

- sign 2542.671+/-0.288 χ^2/NDF: 1030036.3/59

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 1510.042+/-977.143 χ^2/NDF: 39.8/33

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1746.945+/-2208.167 χ^2/NDF: 39.8/36

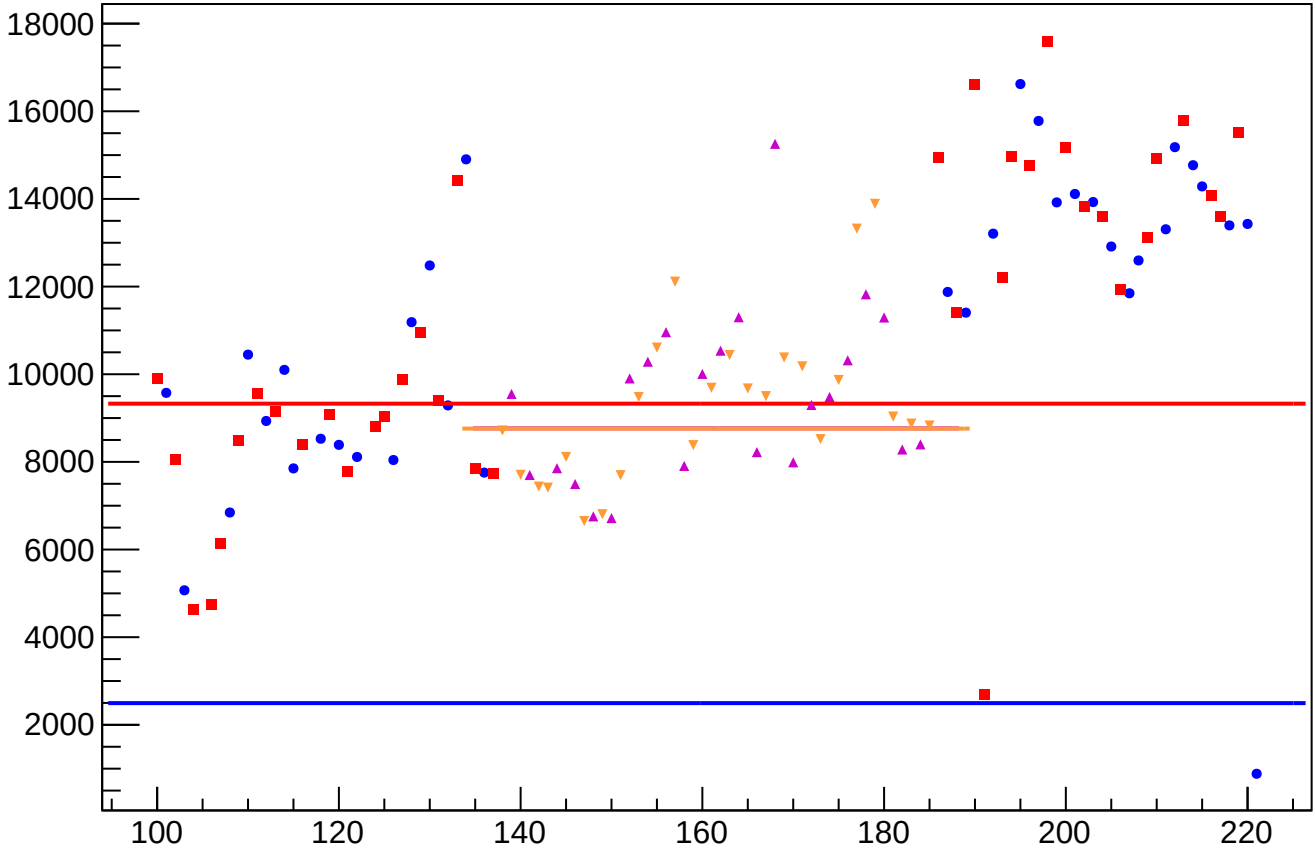
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 1316.675+/-880.938 χ^2/NDF: 67.4/58

All: 1206.999+/-761.962 χ^2/NDF: 122.0/118

- sign 881.230+/-1518.253 χ^2/NDF: 54.6/59

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 2495.475+/-0.691 χ^2/NDF: 30183364.0/33

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

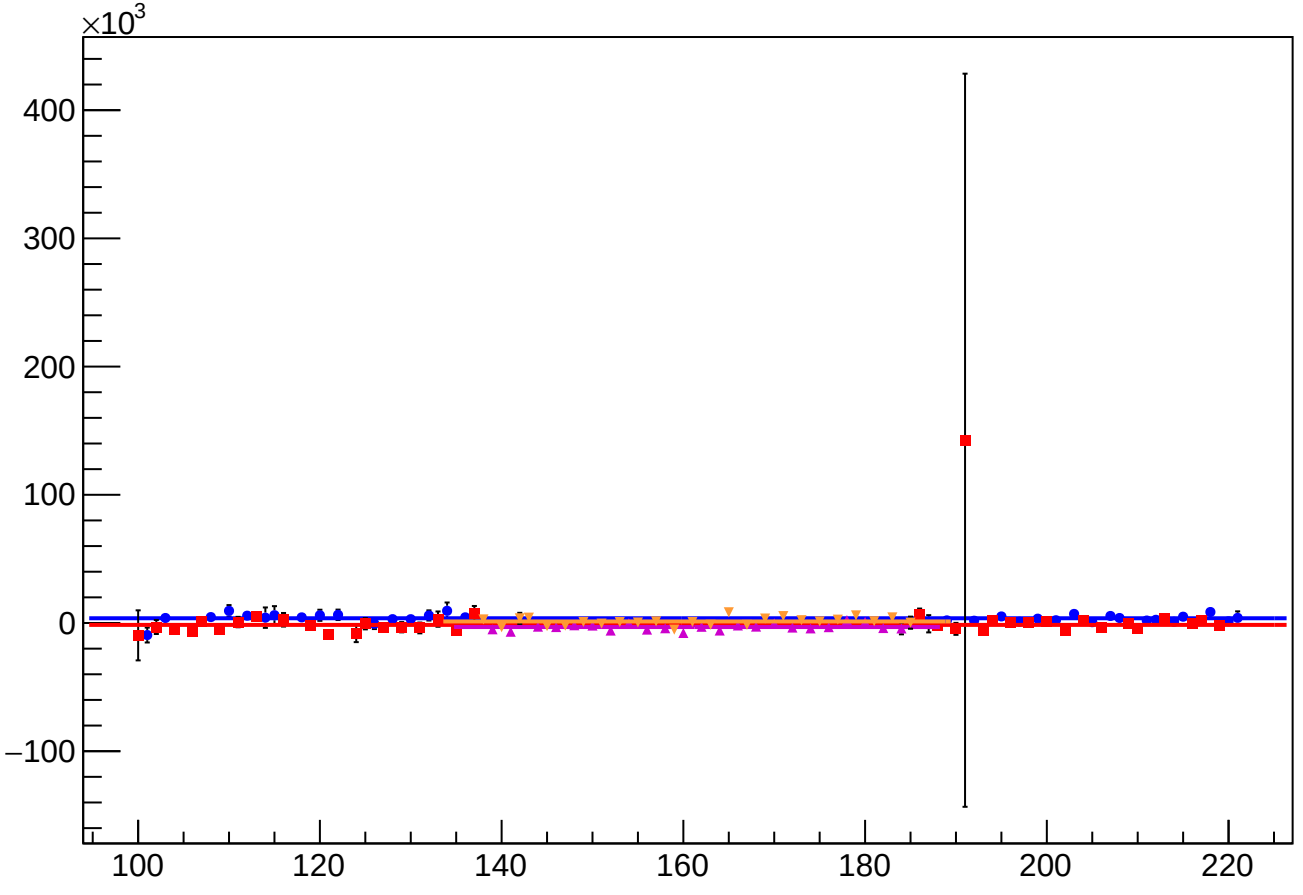
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 3668.241+/-0.623 χ^2/NDF: 46793772.3/58

All: 5018.920+/-0.539 χ^2/NDF: 73330691.6/1

- sign 9030.815+/-1.074 χ^2/NDF: 7870321.0/59

dit_asym_atr2_mean vs Slug



Right In: 3695.953+/-597.142 χ^2/NDF: 20.0/33

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1478.841+/-599.605 χ^2/NDF: 37.3/36

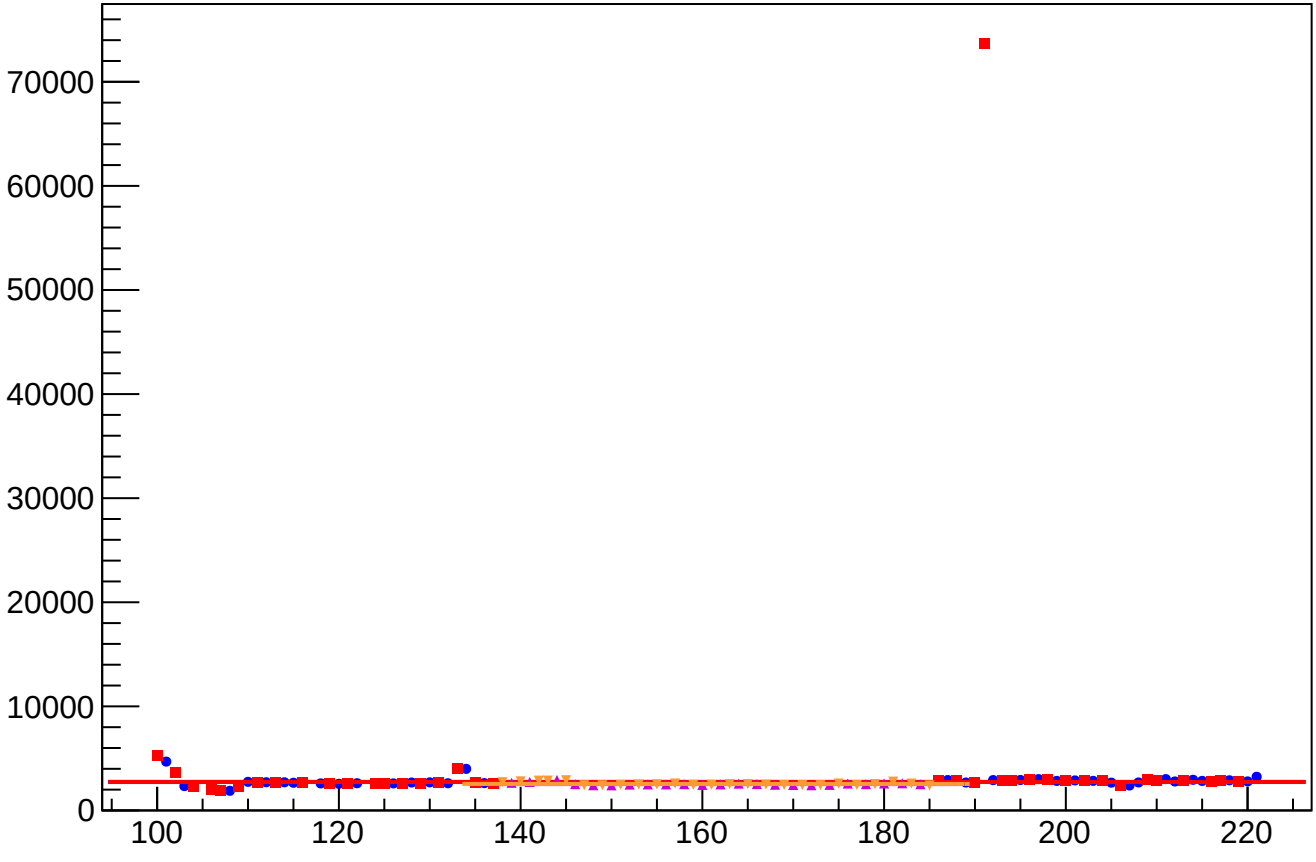
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2418.120+/-415.937 χ^2/NDF: 55.7/58

All: 76.983+/-295.994 χ^2/NDF: 177.5/118

- sign -2325.056+/-421.312 χ^2/NDF: 57.7/59

dit_asym_atr2_rms vs Slug



Right In: 2745.499+/-0.422 χ^2/NDF: 639658.1/33

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.7/36

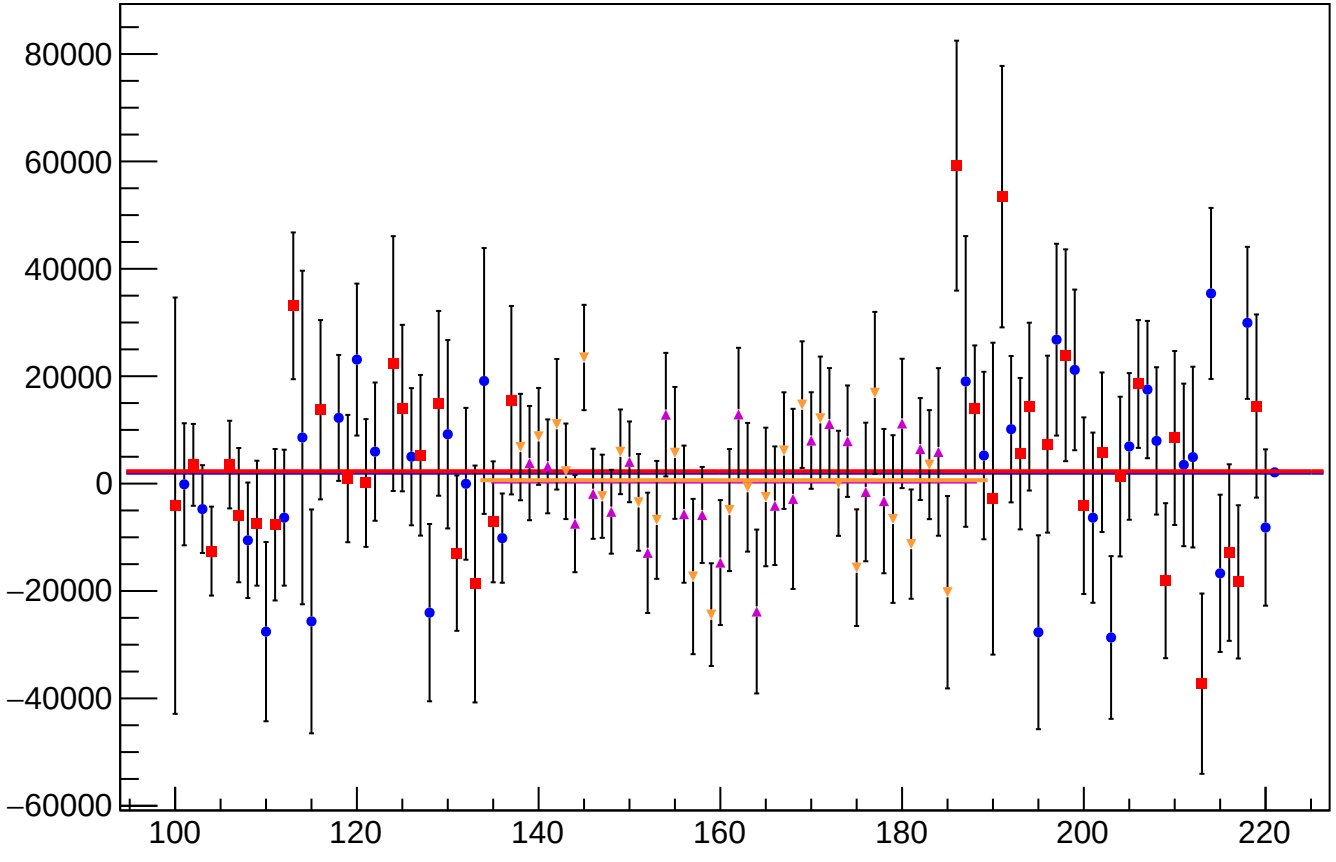
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2643.386+/-0.294 χ^2/NDF: 870555.4/58

All: 2636.830+/-0.209 χ^2/NDF: 1757657.7/11

- sign 2630.105+/-0.298 χ^2/NDF: 886095.7/59

asym_atr2_dit_correction_mean vs Slug



Right In: 2031.166+/-640.374 χ^2/NDF: 39.6/33

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2301.156+/-2279.343 χ^2/NDF: 42.2/36

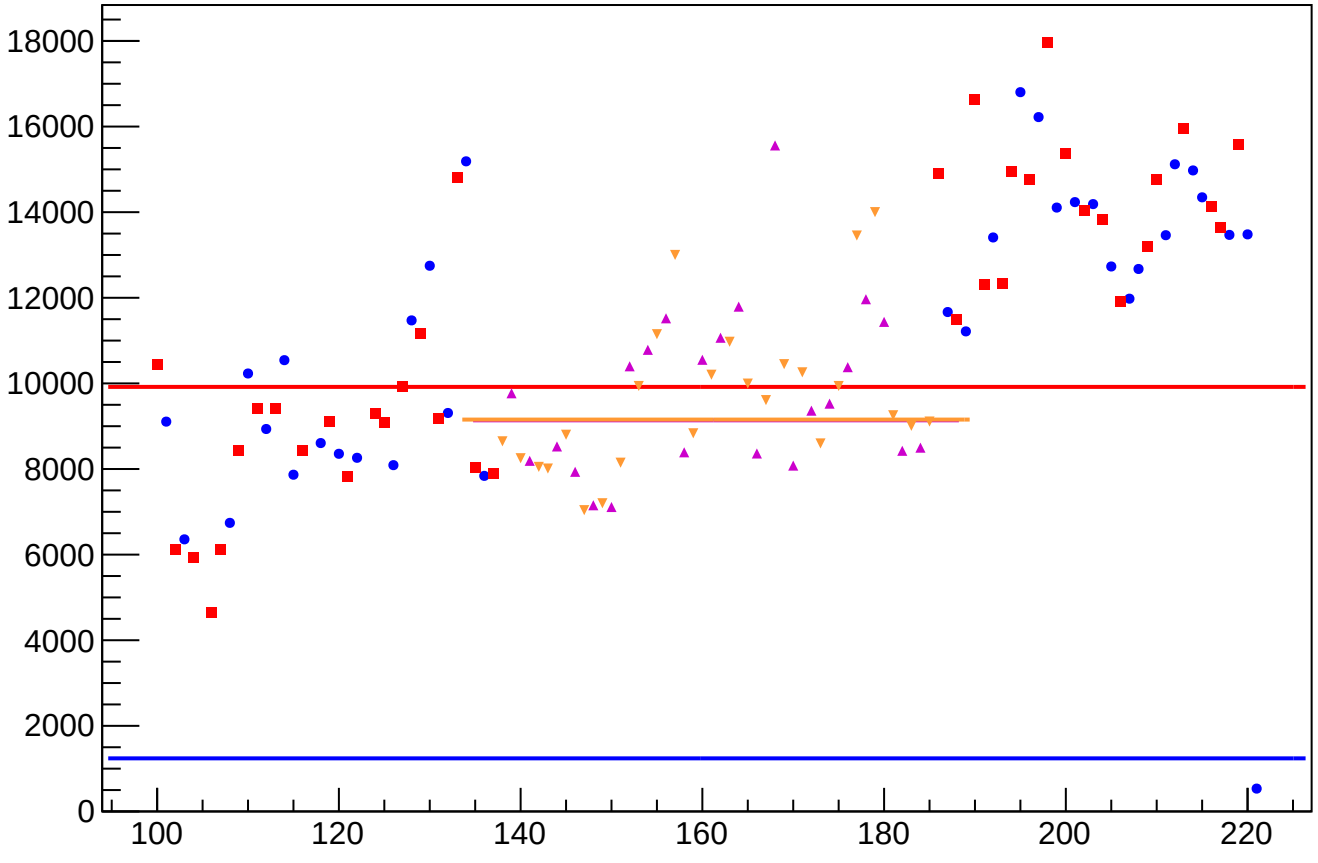
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 1914.437+/-613.093 χ^2/NDF: 66.6/58

All: 1832.856+/-571.288 χ^2/NDF: 123.6/118

- sign 1295.106+/-1574.062 χ^2/NDF: 56.8/59

asym_atr2_dit_correction_rms vs Slug



Right In: 1240.427+/-0.453 χ^2/NDF: 35634144.2/33

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9918.263+/-1.612 χ^2/NDF: 4921795.4/36

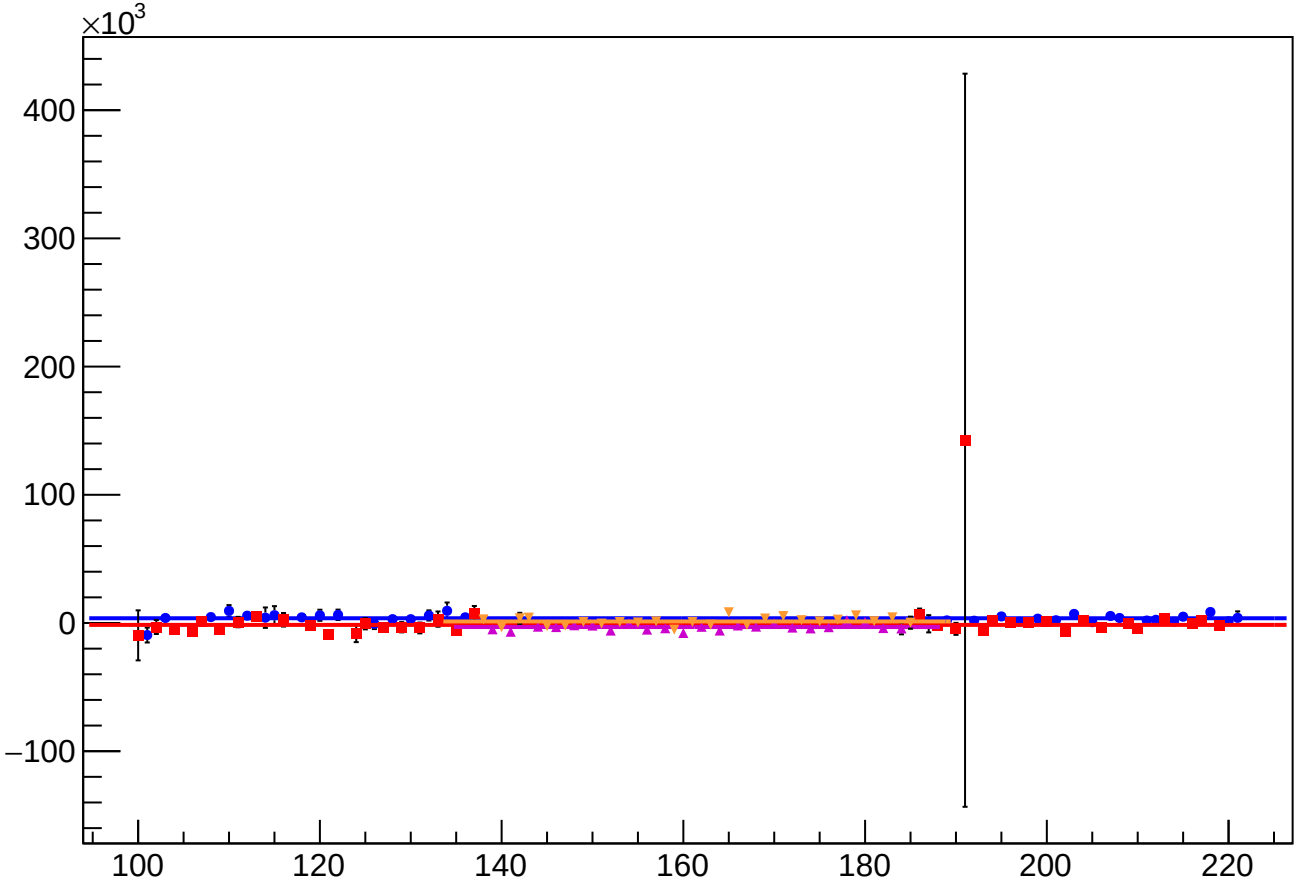
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

\+ sign 1900.393+/-0.434 χ^2/NDF: 62180054.9/58

All: 2902.749+/-0.404 χ^2/NDF: 108981393.8

\- sign 9509.883+/-1.113 χ^2/NDF: 6217318.0/59

eigen_dit_asym_atr2_mean vs Slug



Right In: 3695.942+/-597.142 χ^2/NDF: 20.0/33

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1478.844+/-599.605 χ^2/NDF: 37.3/36

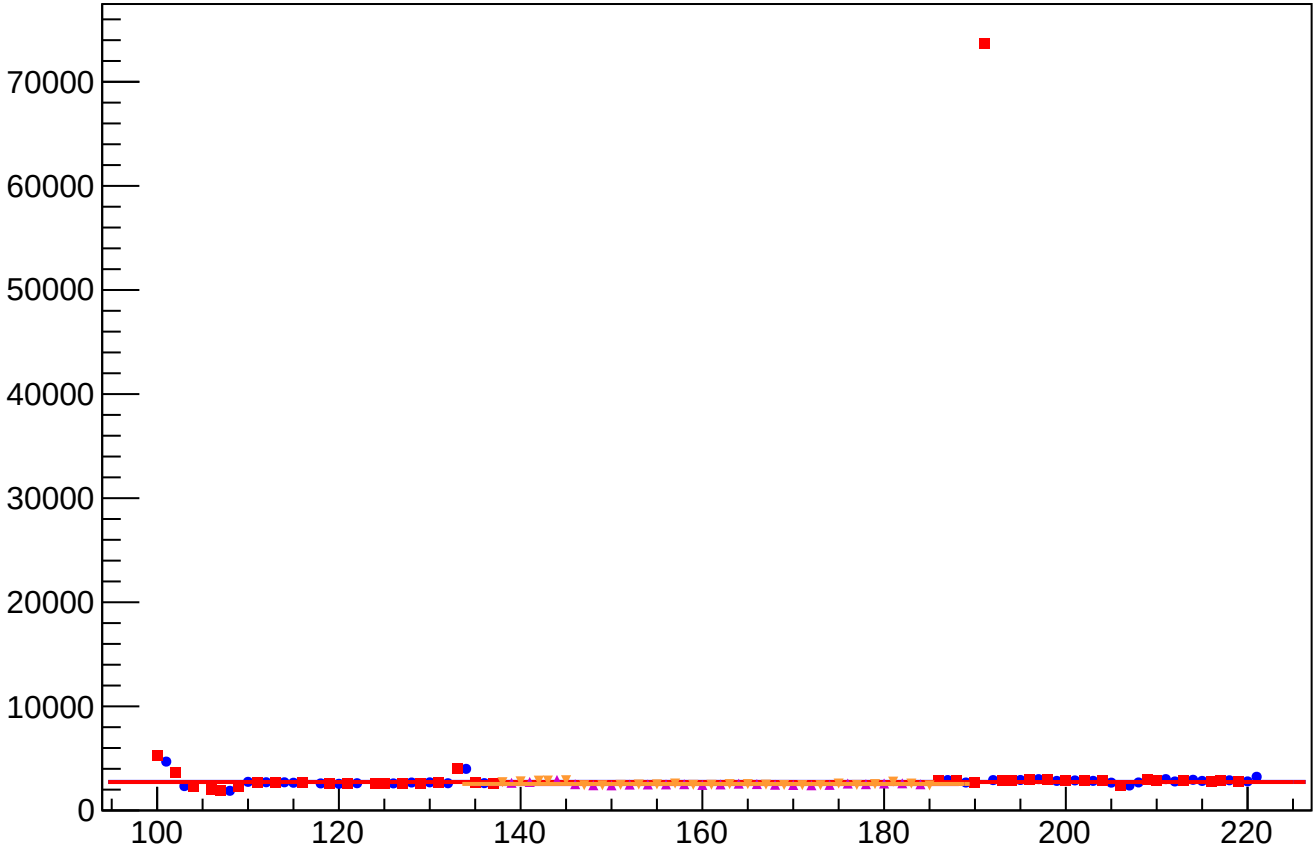
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2418.109+/-415.937 χ^2/NDF: 55.7/58

All: 76.978+/-295.994 χ^2/NDF: 177.5/118

- sign -2325.057+/-421.312 χ^2/NDF: 57.7/59

eigen_dit_asym_atr2_rms vs Slug



Right In: 2745.498+/-0.422 χ^2/NDF: 639659.0/33

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

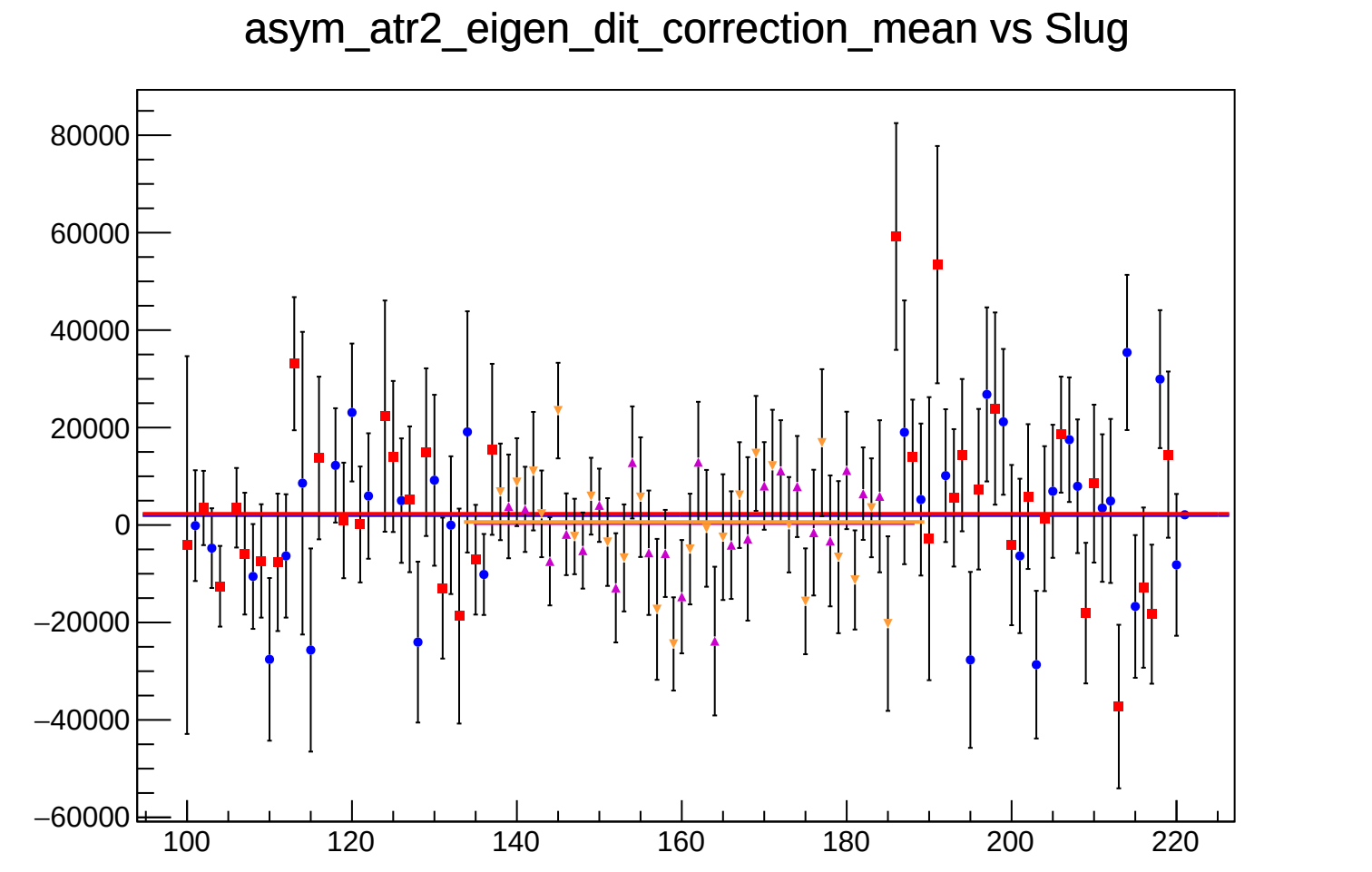
Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.6/36

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2643.387+/-0.294 χ^2/NDF: 870553.9/58

All: 2636.831+/-0.209 χ^2/NDF: 1757653.8/11

- sign 2630.106+/-0.298 χ^2/NDF: 886093.3/59



Right In: 2031.159+/-640.372 χ^2/NDF: 39.6/33

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2301.148+/-2279.342 χ^2/NDF: 42.2/36

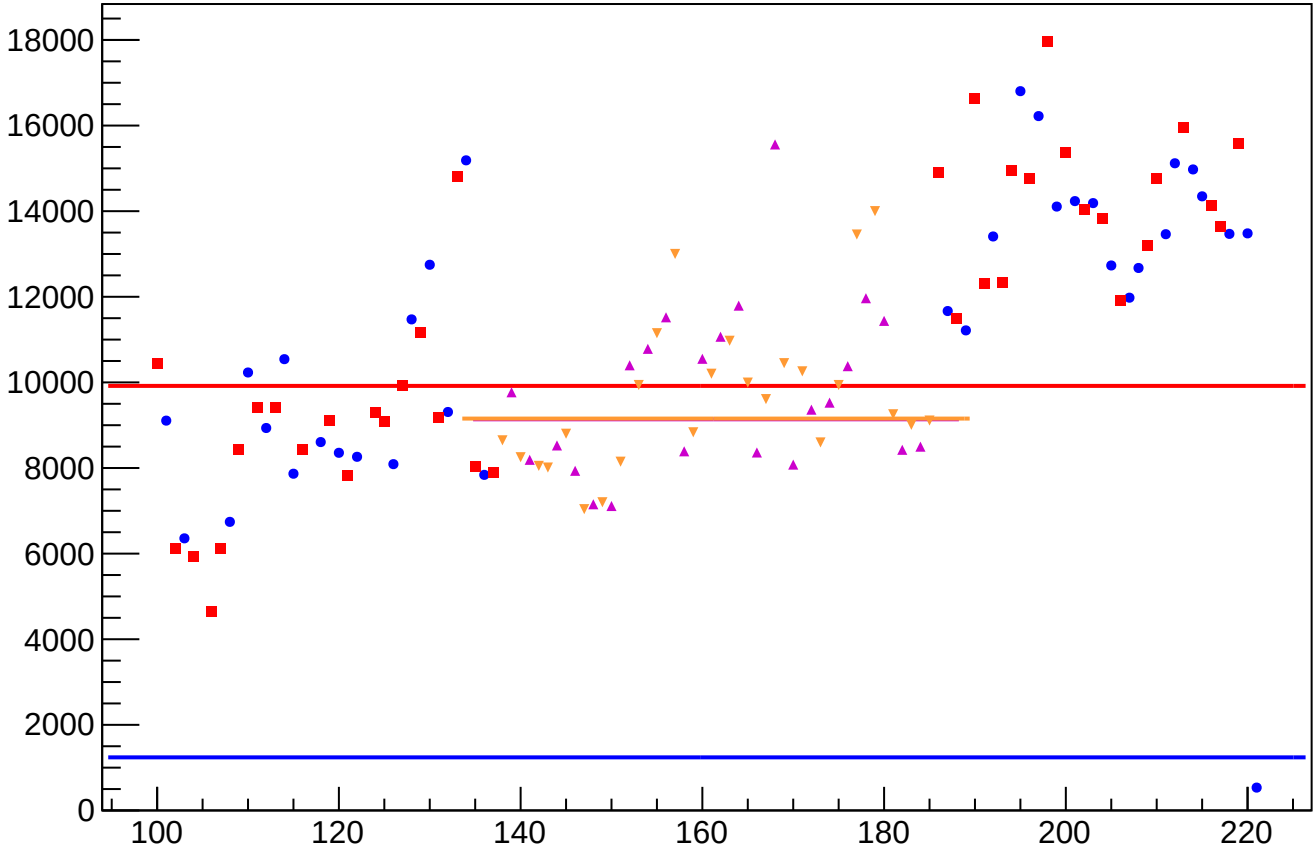
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 1914.431+/-613.091 χ^2/NDF: 66.6/58

All: 1832.851+/-571.286 χ^2/NDF: 123.6/118

- sign 1295.107+/-1574.063 χ^2/NDF: 56.8/59

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 1240.420+/-0.453 χ^2/NDF: 35634174.5/33

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9918.254+/-1.612 χ^2/NDF: 4921821.4/36

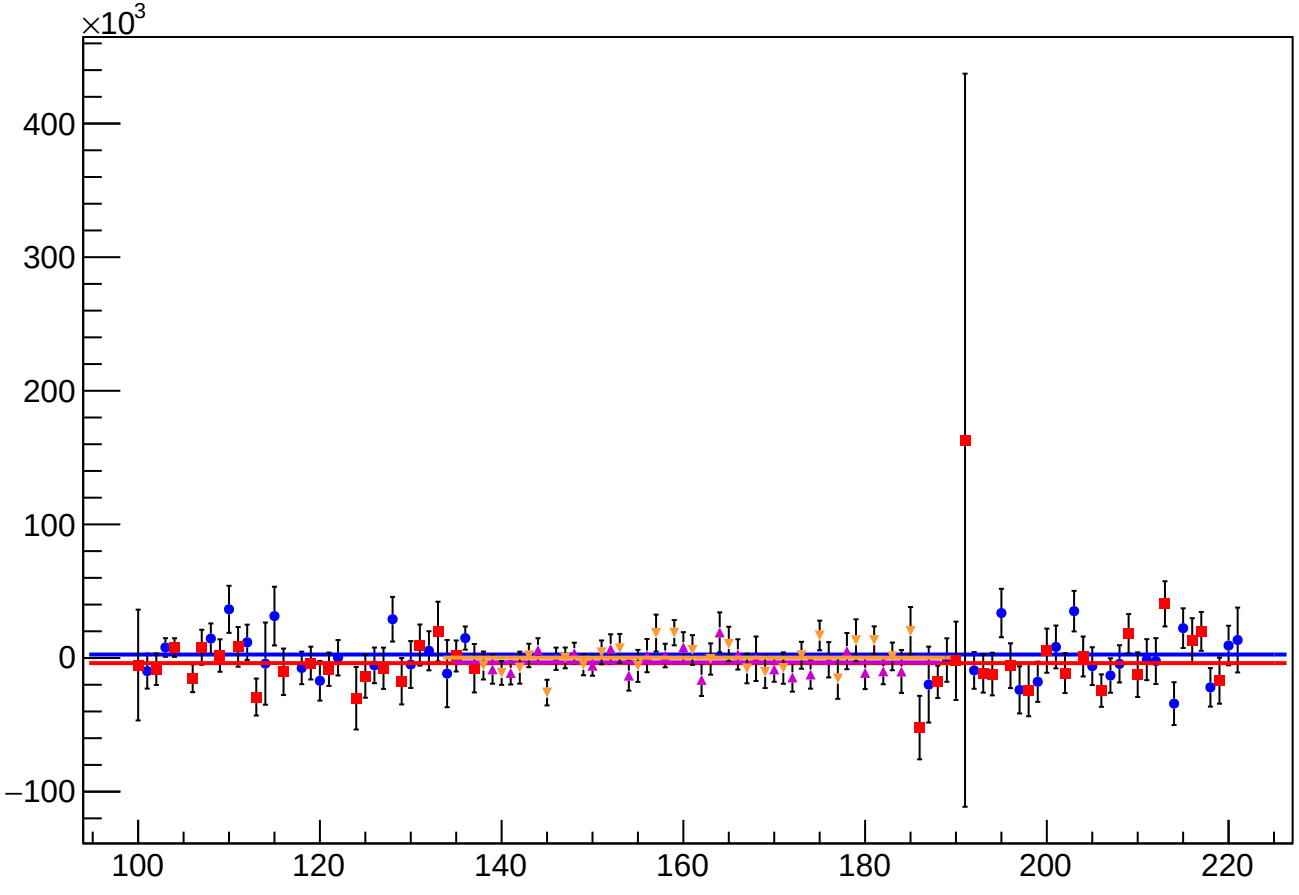
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

\+ sign 1900.381+/-0.434 χ^2/NDF: 62180164.8/58

All: 2902.733+/-0.404 χ^2/NDF: 108981680.5

\- sign 9509.887+/-1.113 χ^2/NDF: 6217340.3/59

asym_atr2_mean vs Slug



Right In: 2607.855+/-2441.240 χ^2/NDF: 42.1/33

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3821.586+/-2399.169 χ^2/NDF: 38.6/36

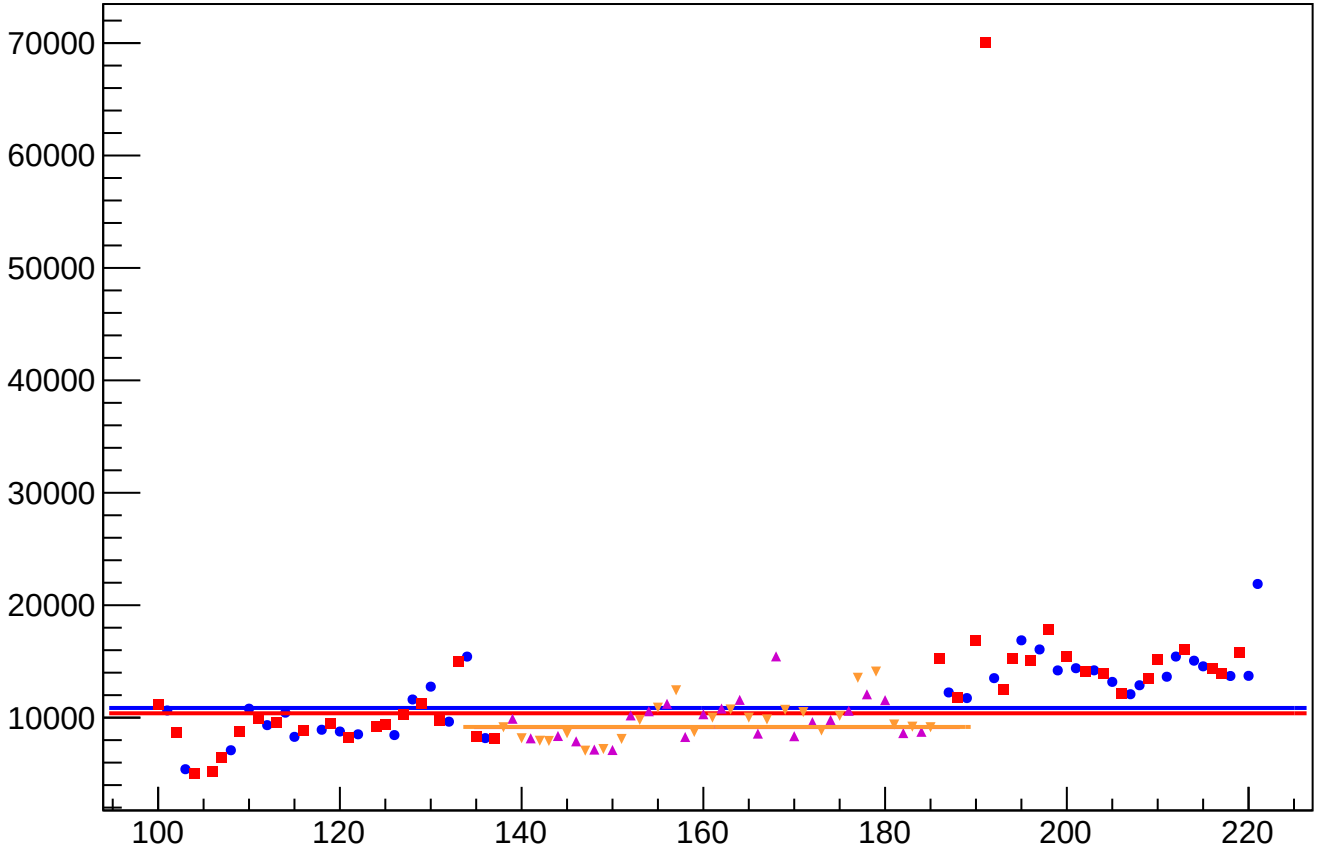
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1292.239+/-1602.991 χ^2/NDF: 69.0/58

All: -1088.196+/-1137.135 χ^2/NDF: 125.6/11

- sign -3499.531+/-1613.362 χ^2/NDF: 52.2/59

asym_atr2_rms vs Slug



Right In: 10861.538+/-1.726 χ^2/NDF: 3936047.5/33

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

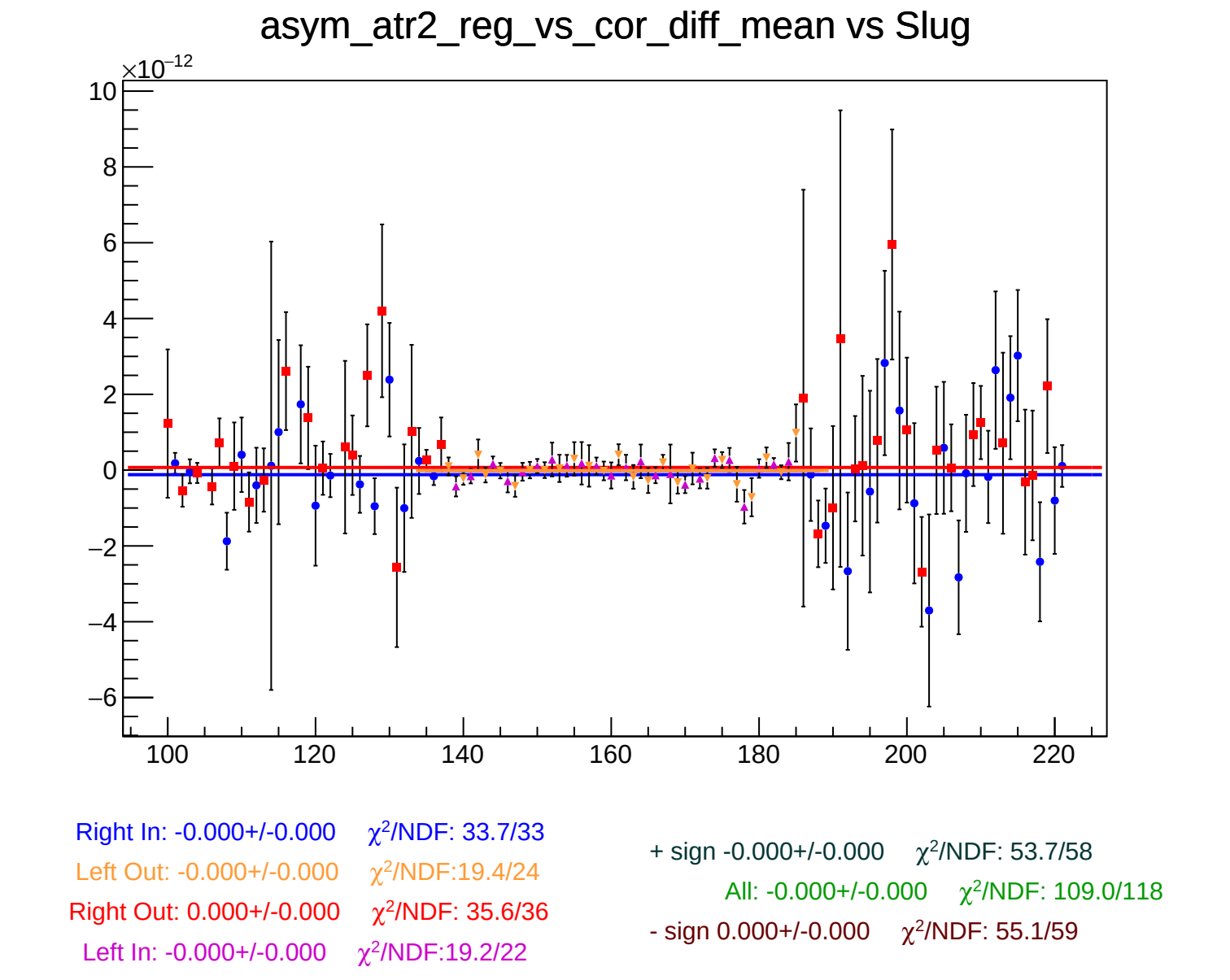
Right Out: 10387.268+/-1.696 χ^2/NDF: 4615249.8/36

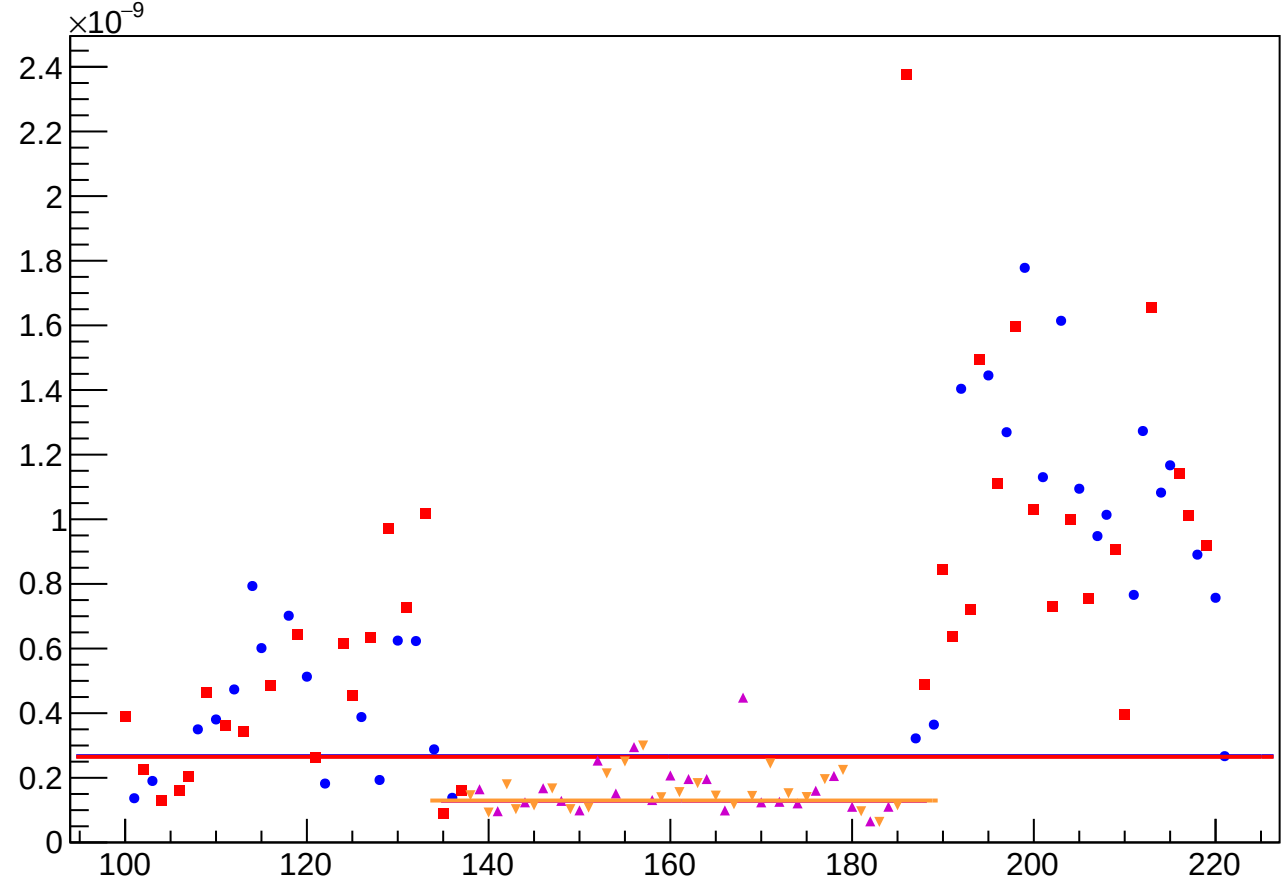
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9900.936+/-1.133 χ^2/NDF: 5537381.7/58

All: 9809.184+/-0.804 χ^2/NDF: 11578979.3/1

- sign 9716.243+/-1.141 χ^2/NDF: 6028408.1/59


asym_atr2_reg_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.7/33
Left Out: -0.000+/-0.000 χ²/NDF:19.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.6/36
Left In: -0.000+/-0.000 χ²/NDF:19.2/22
+ sign -0.000+/-0.000 χ²/NDF: 53.7/58
All: -0.000+/-0.000 χ²/NDF: 109.0/118
- sign 0.000+/-0.000 χ²/NDF: 55.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 8562957.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8149917.4/36

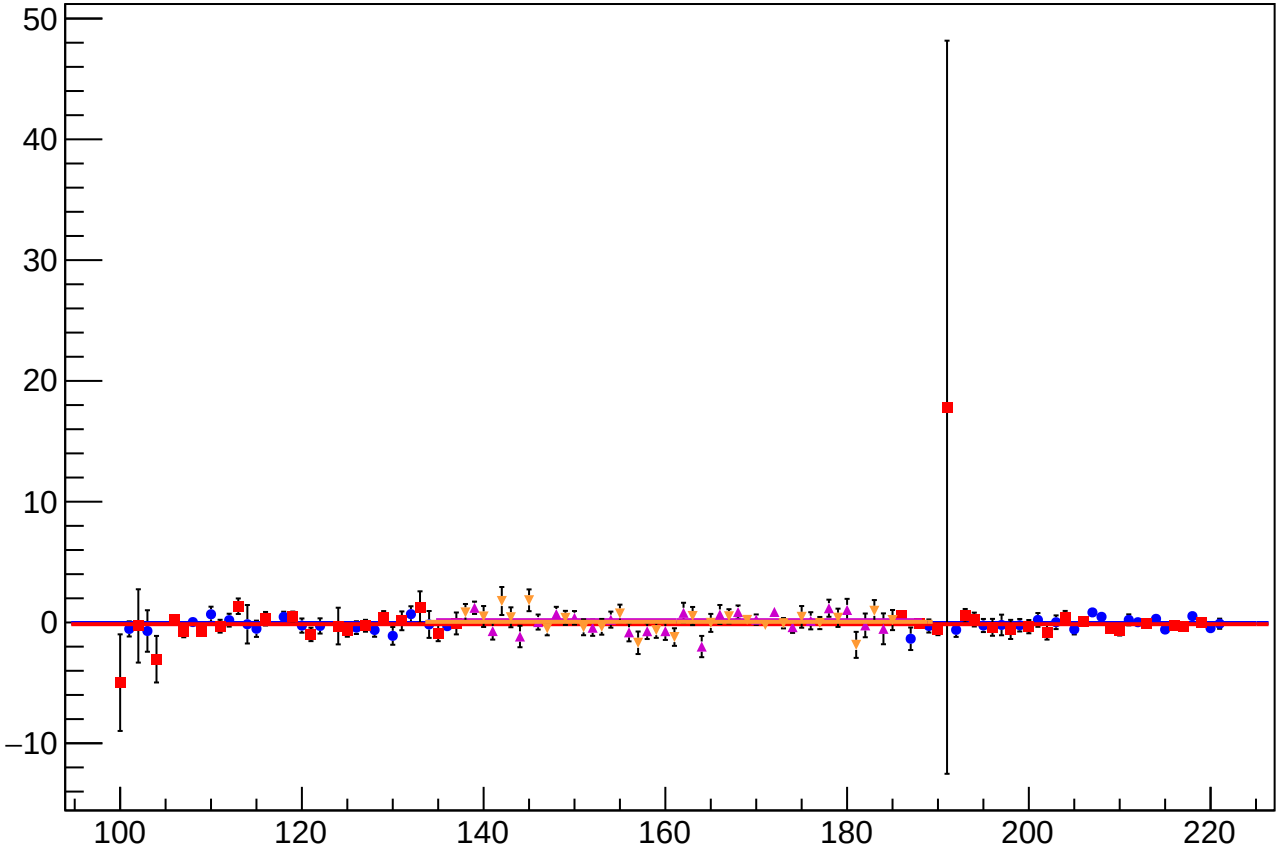
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12036506.9/58

All: 0.000+/-0.000 χ^2/NDF: 23572671.7/118

- sign 0.000+/-0.000 χ^2/NDF: 11534249.3/59

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

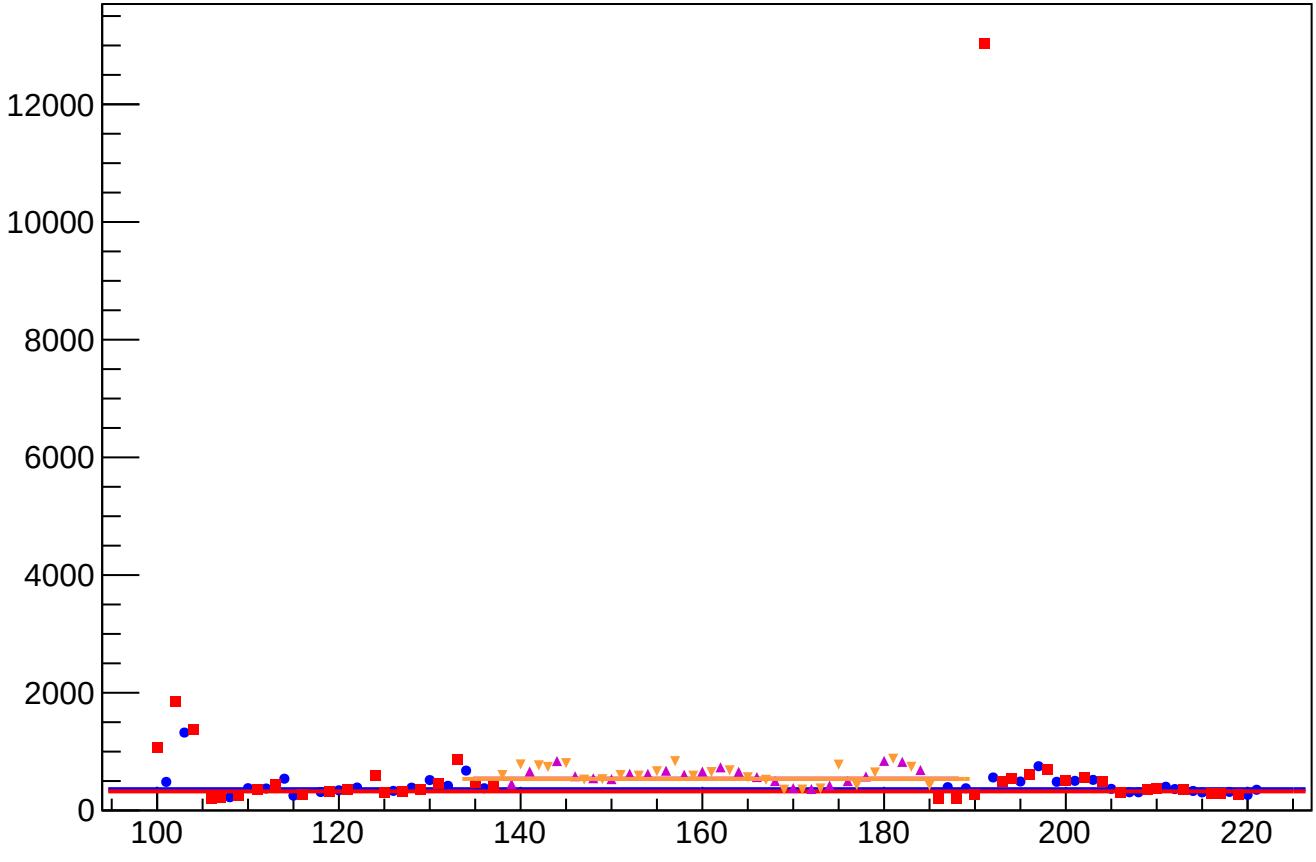
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.037+/-0.048 χ^2/NDF: 131.9/118

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 361.524+/-0.058 χ^2/NDF: 2992742.2/33

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

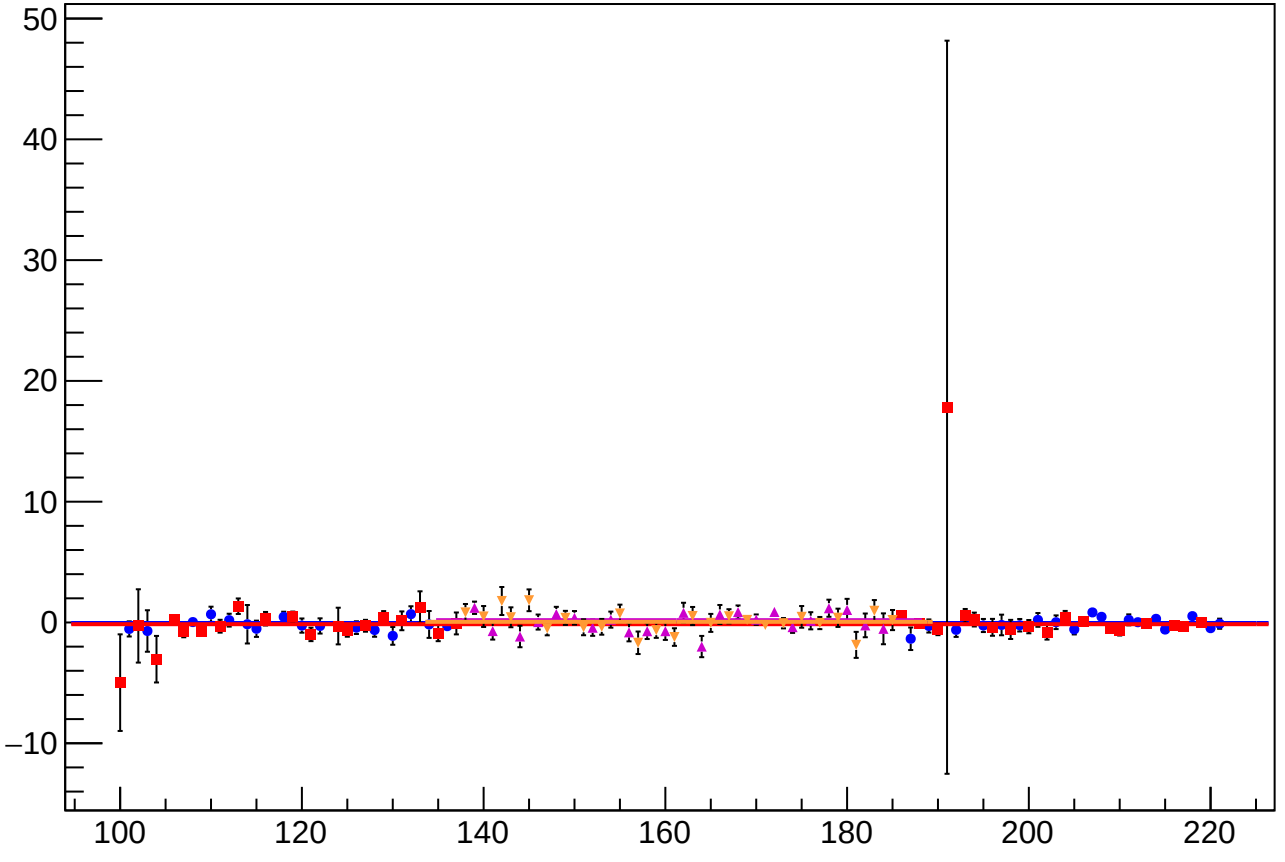
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 411.567+/-0.049 χ^2/NDF: 8329624.8/58

All: 394.890+/-0.034 χ^2/NDF: 20083157.3/11

- sign 379.275+/-0.047 χ^2/NDF: 11529701.4/59

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

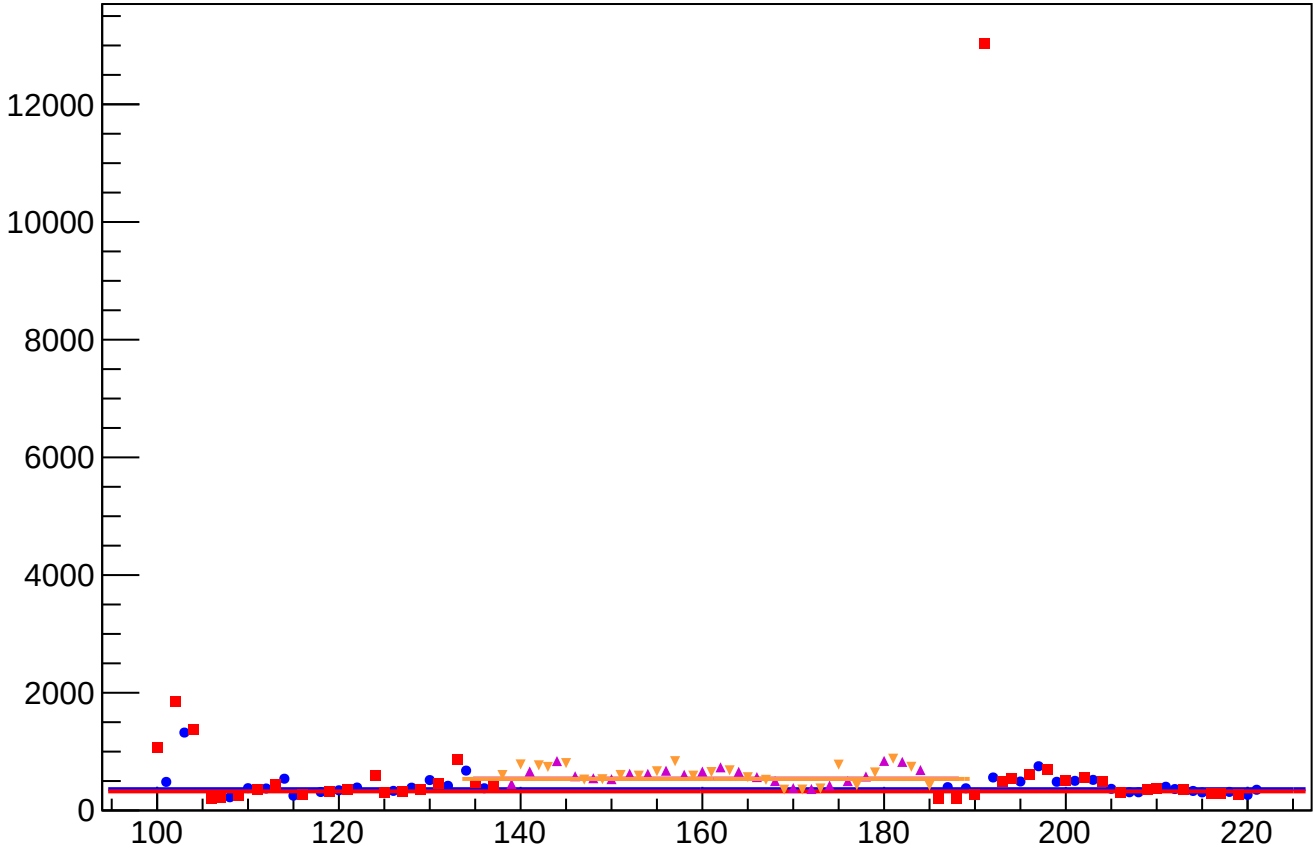
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.037+/-0.048 χ^2/NDF: 131.9/118

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 361.524+/-0.058 χ^2/NDF: 2992742.2/33

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

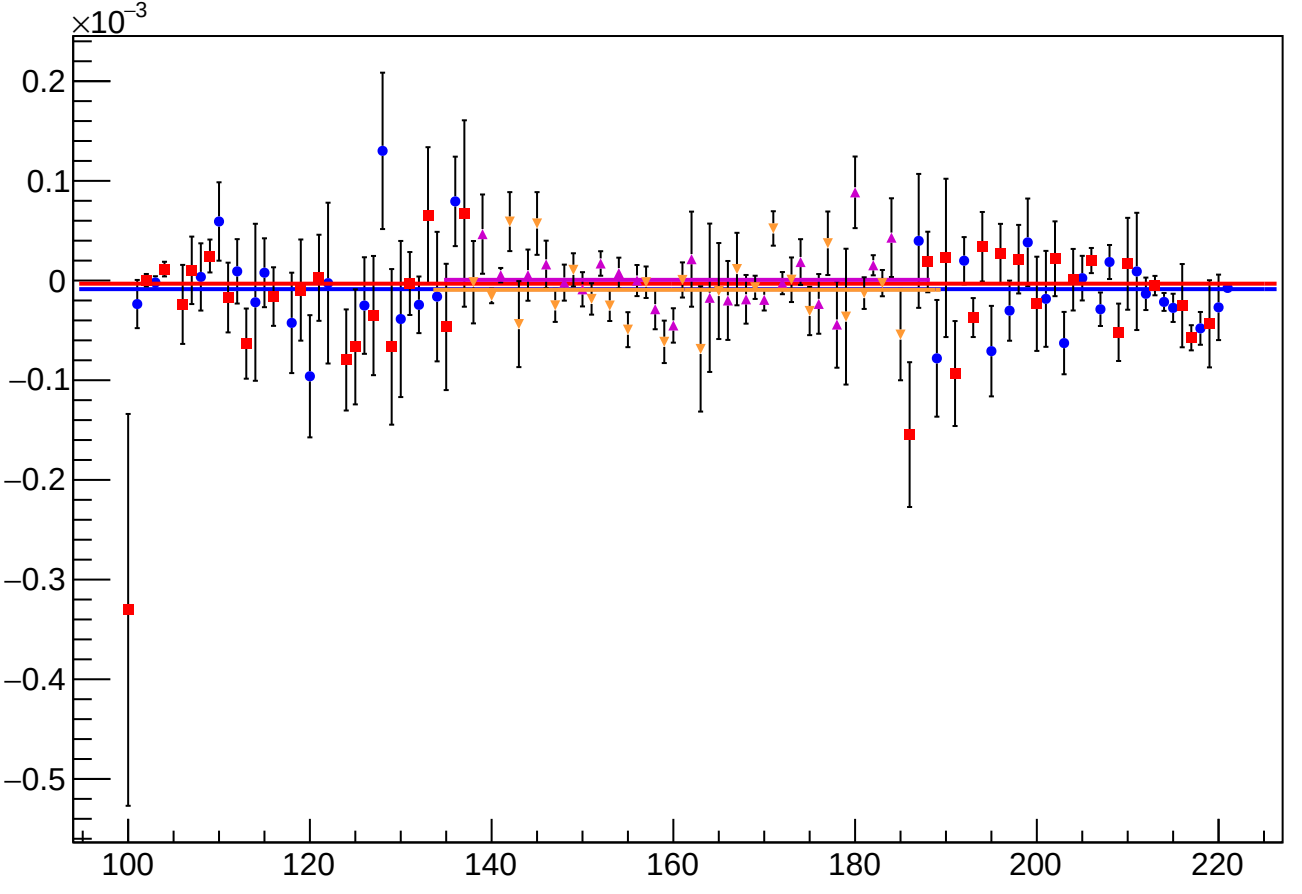
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 411.567+/-0.049 χ^2/NDF: 8329624.8/58

All: 394.890+/-0.034 χ^2/NDF: 20083157.3/11

- sign 379.275+/-0.047 χ^2/NDF: 11529701.4/59

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.4/36

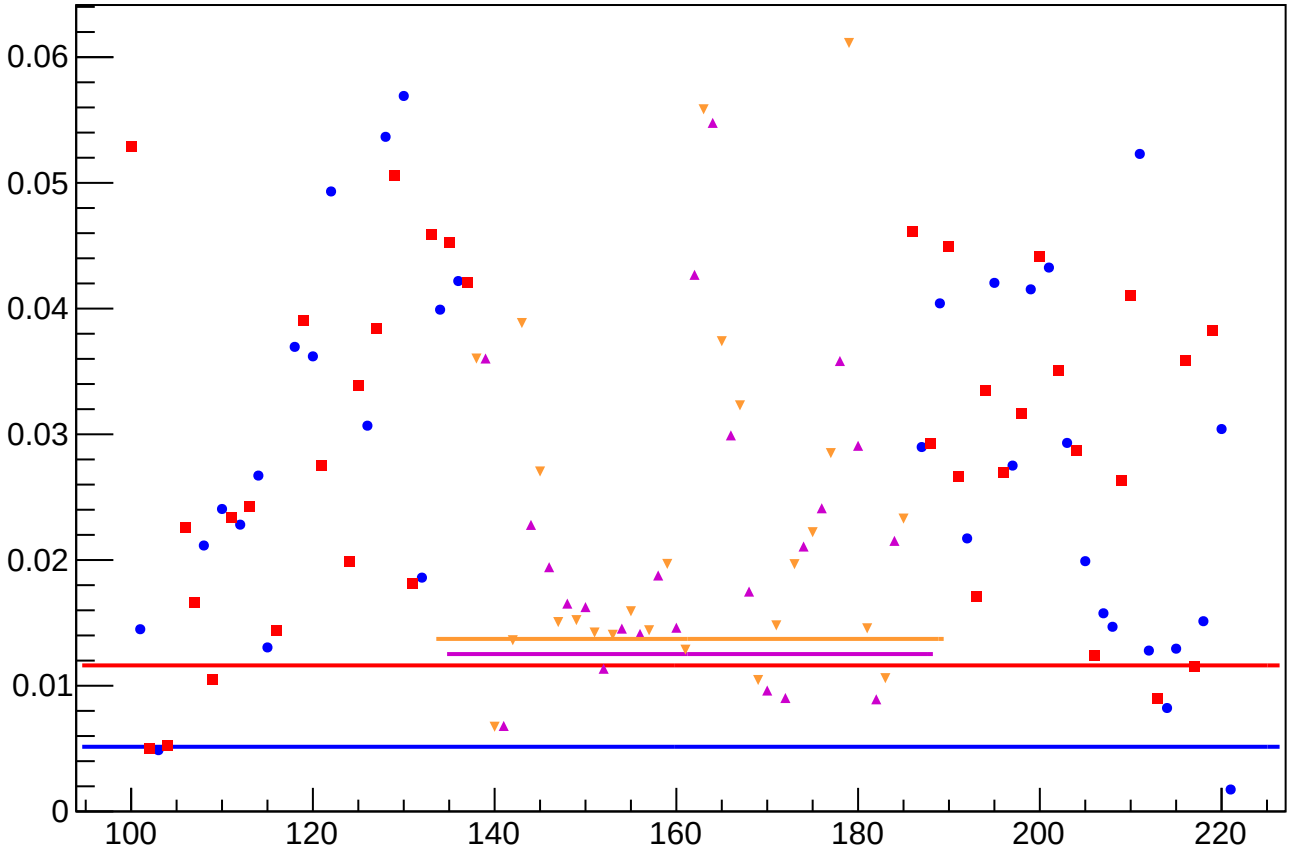
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.8/58

All: -0.000+/-0.000 χ^2/NDF: 182.2/118

- sign -0.000+/-0.000 χ^2/NDF: 91.0/59

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 27539670.2/33

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 17042047.4/36

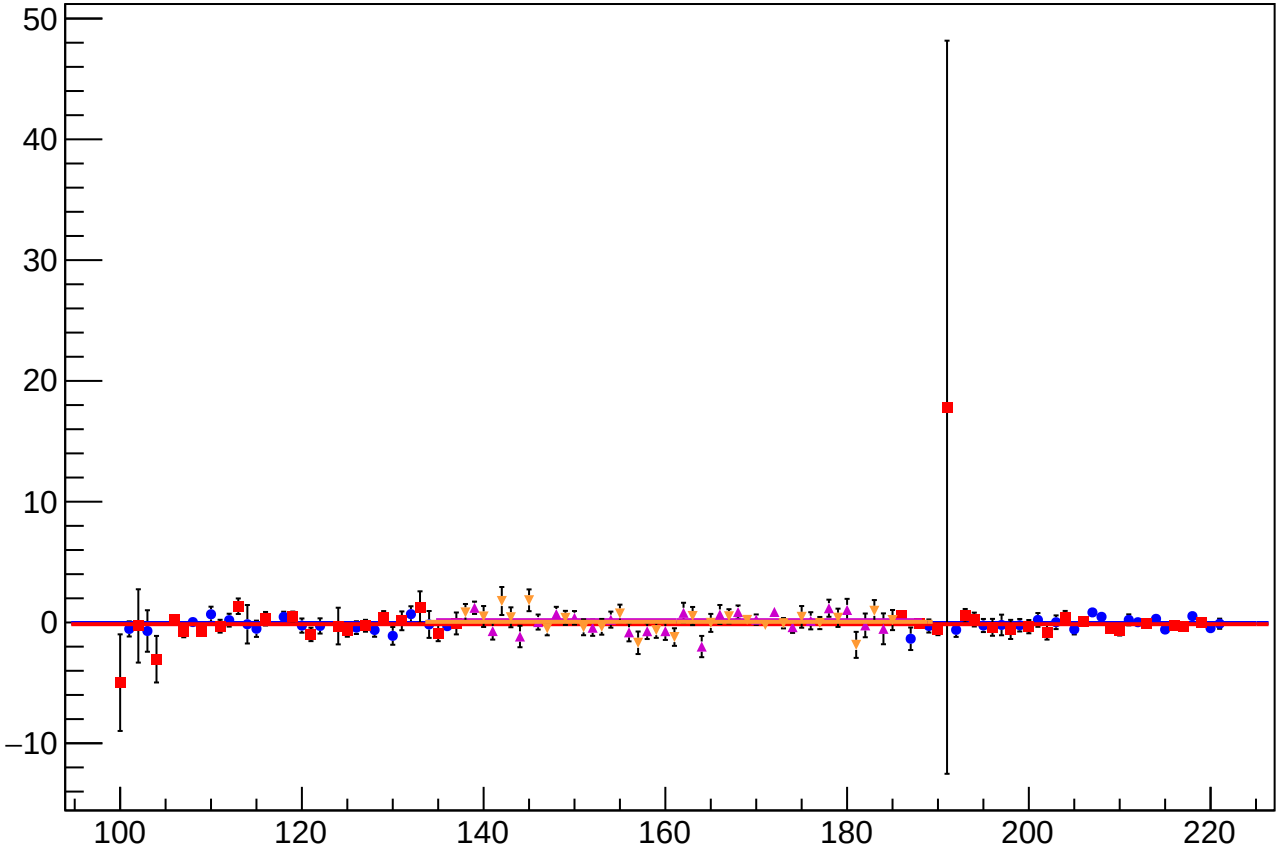
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 43924752.7/58

All: 0.009+/-0.000 χ^2/NDF: 73577566.9/118

- sign 0.012+/-0.000 χ^2/NDF: 24235013.6/59

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

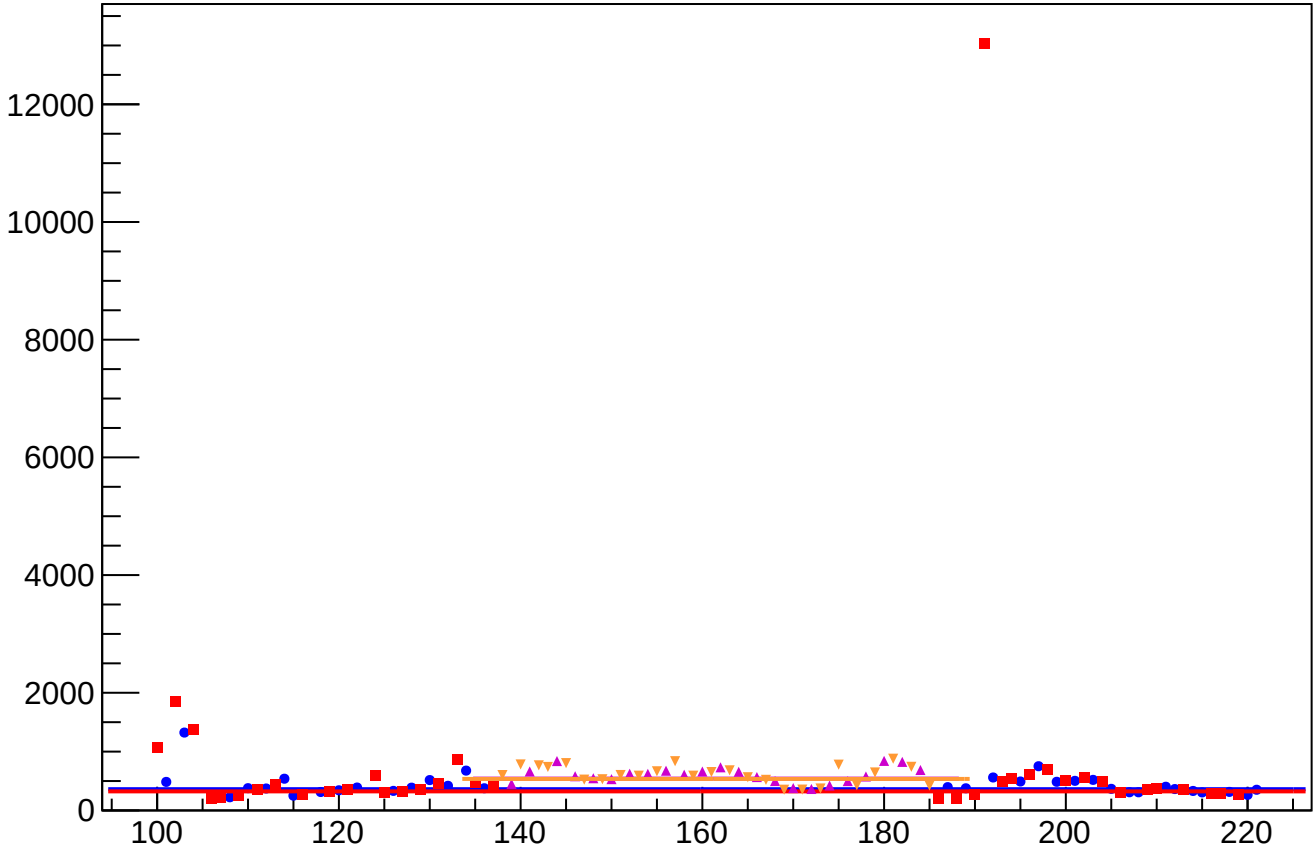
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.037+/-0.048 χ^2/NDF: 131.9/118

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 361.522+/-0.058 χ^2/NDF: 2992777.6/33

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

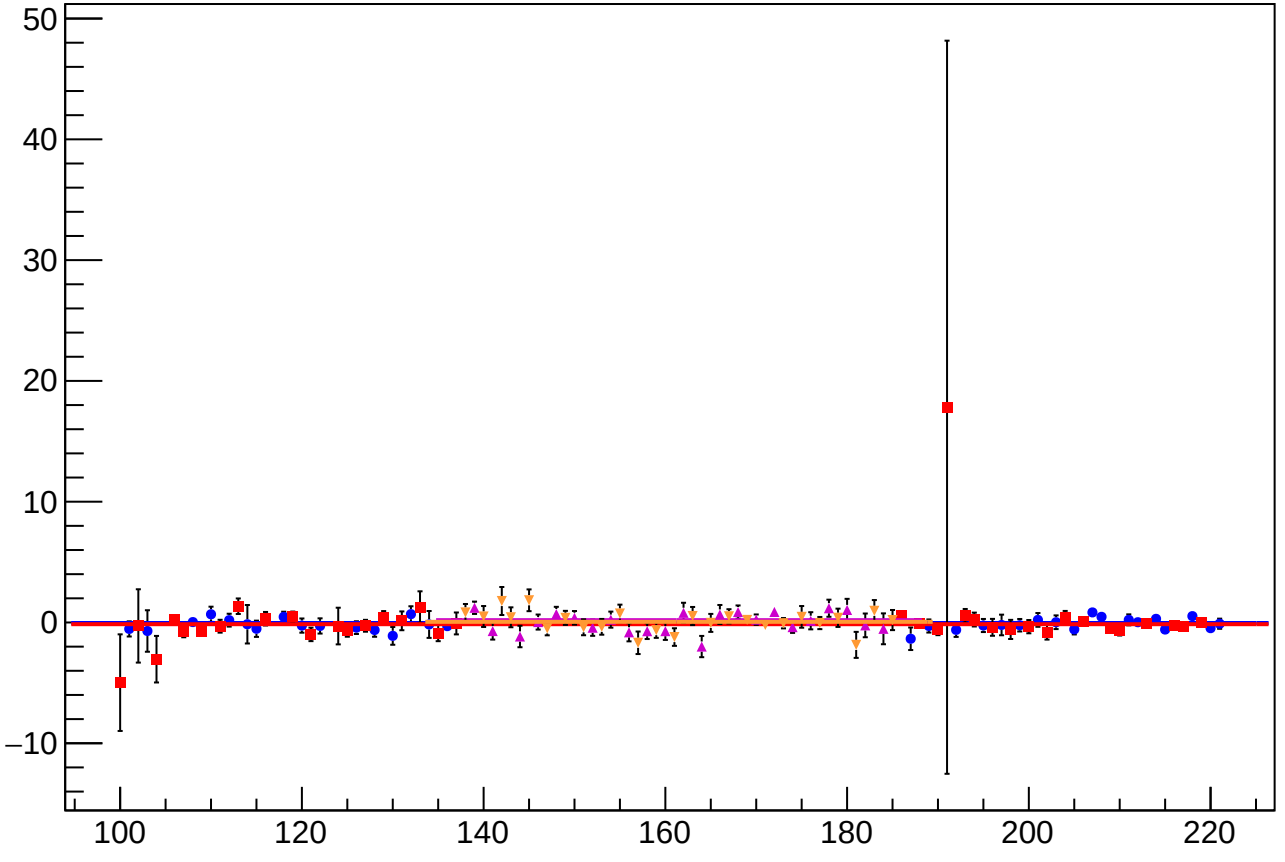
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 411.565+/-0.049 χ^2/NDF: 8329904.9/58

All: 394.890+/-0.034 χ^2/NDF: 20083502.4/11

- sign 379.276+/-0.047 χ^2/NDF: 11529789.8/59

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.043+/-0.082 χ^2/NDF: 33.4/33

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

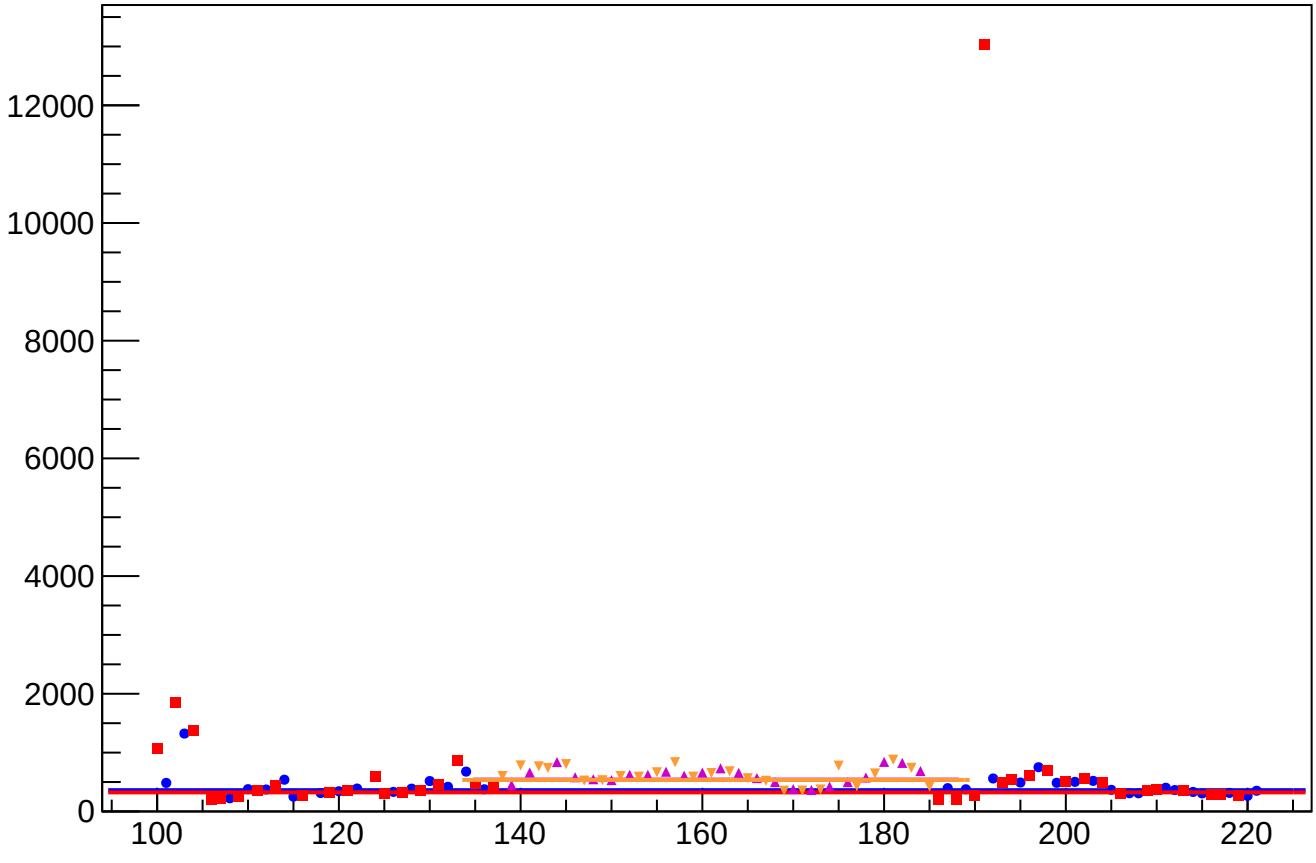
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.015+/-0.069 χ^2/NDF: 58.4/58

All: -0.037+/-0.048 χ^2/NDF: 131.9/118

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 361.522+/-0.058 χ^2/NDF: 2992777.6/33

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

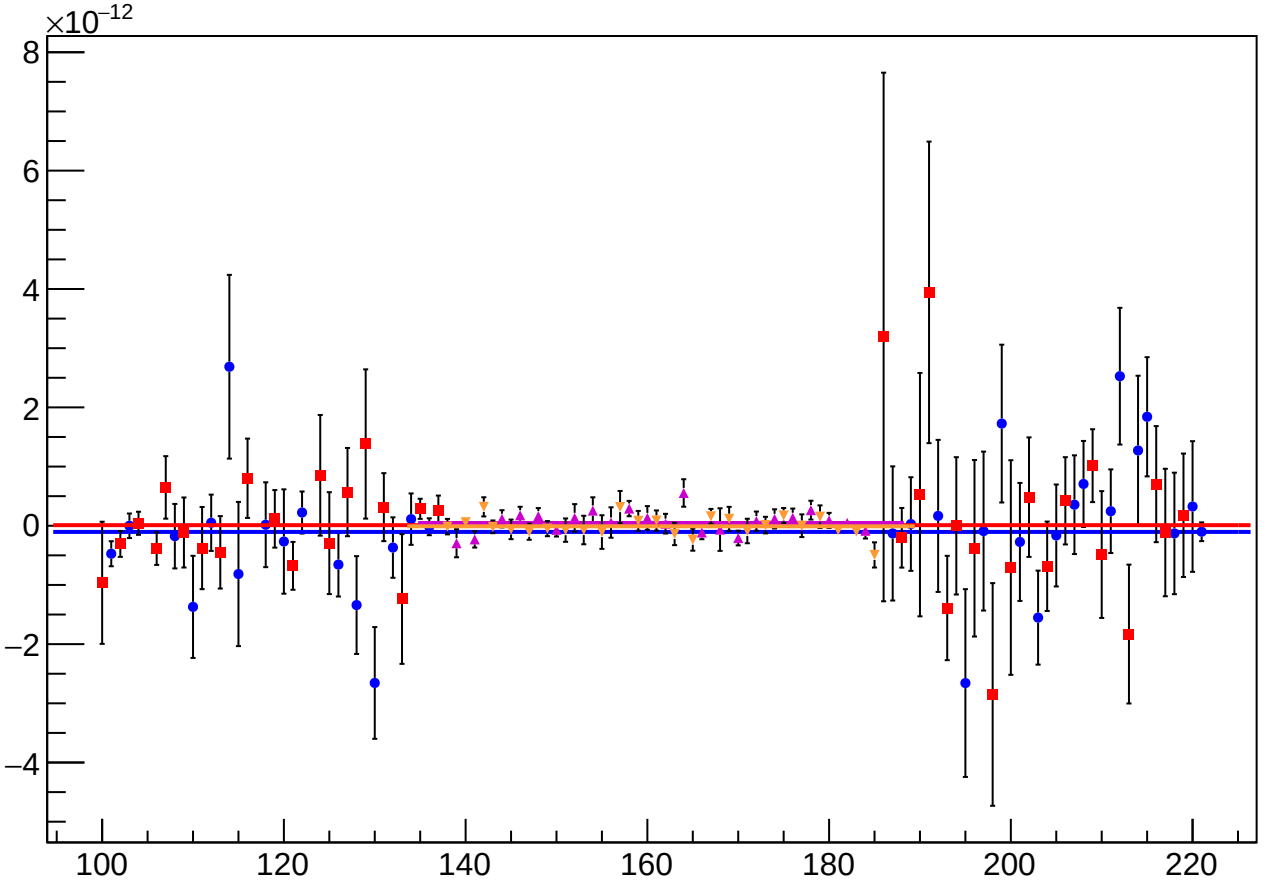
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 411.565+/-0.049 χ^2/NDF: 8329904.9/58

All: 394.890+/-0.034 χ^2/NDF: 20083502.4/11

- sign 379.276+/-0.047 χ^2/NDF: 11529789.8/59

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

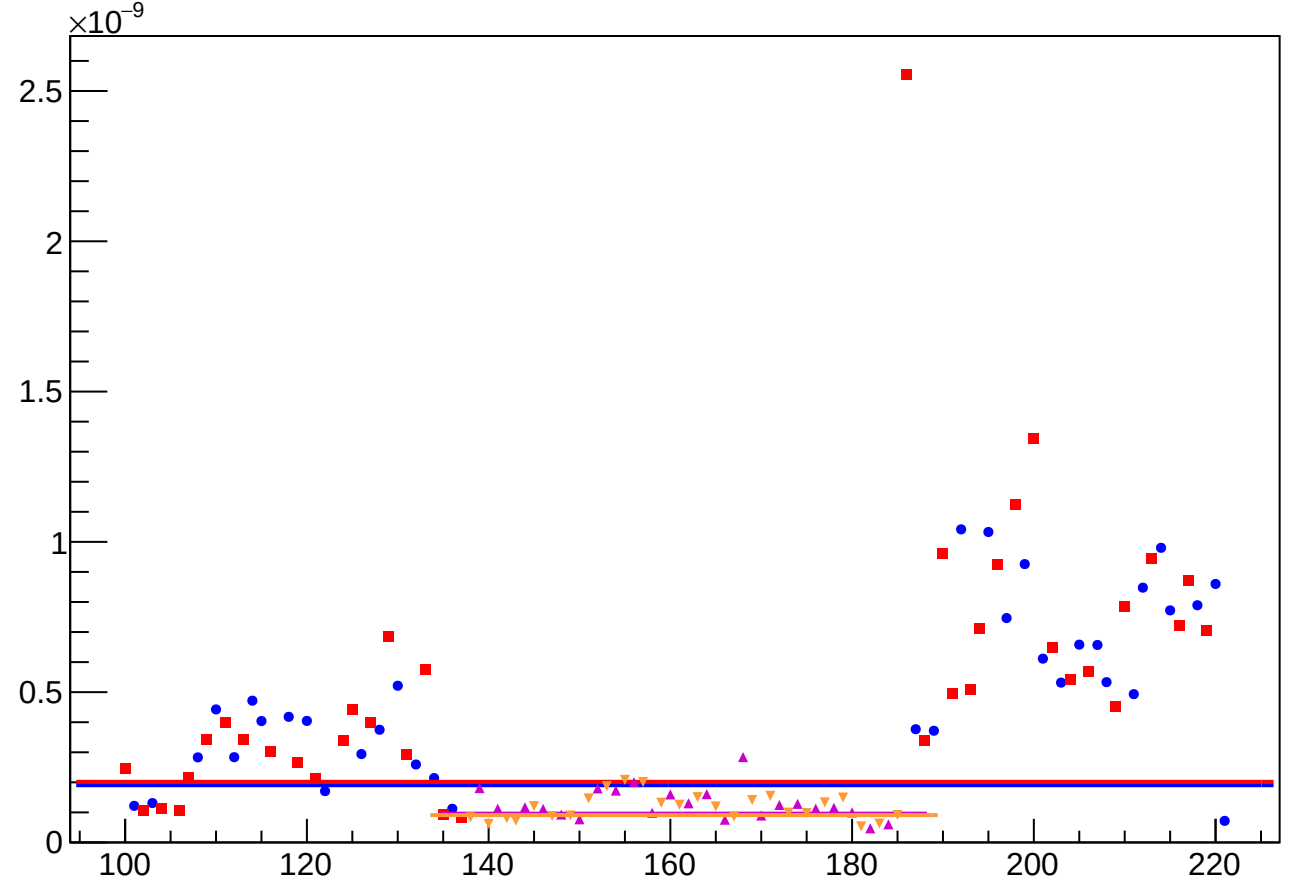
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/36

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.1/58

All: 0.000+/-0.000 χ^2/NDF: 131.1/118

- sign 0.000+/-0.000 χ^2/NDF: 63.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 12139609.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11842987.3/36

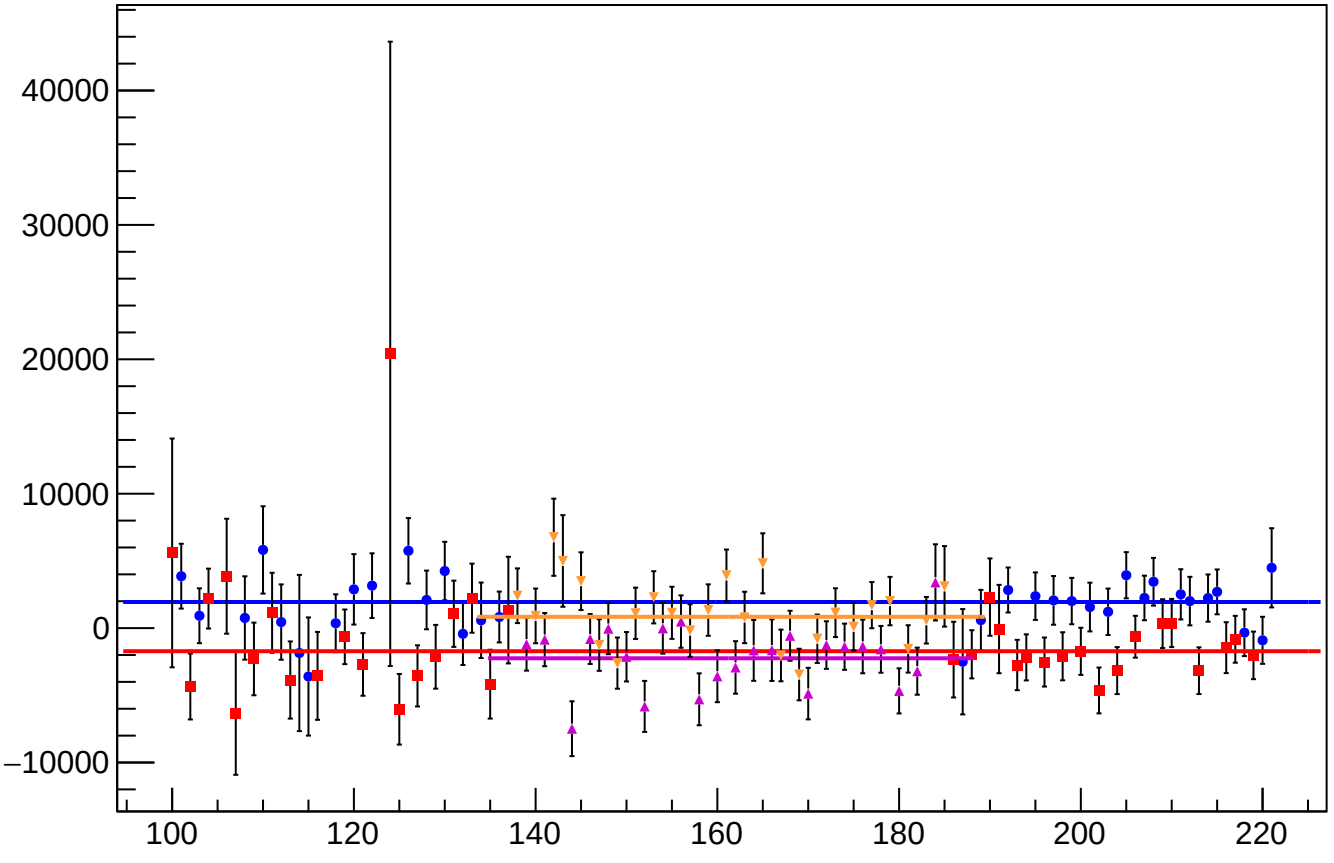
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18776327.6/58

All: 0.000+/-0.000 χ^2/NDF: 37771476.0/118

- sign 0.000+/-0.000 χ^2/NDF: 18957665.8/59

reg_asym_atl_avg_mean vs Slug



Right In: 1943.252+/-357.551 χ^2/NDF: 20.6/33

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1718.741+/-362.803 χ^2/NDF: 30.1/36

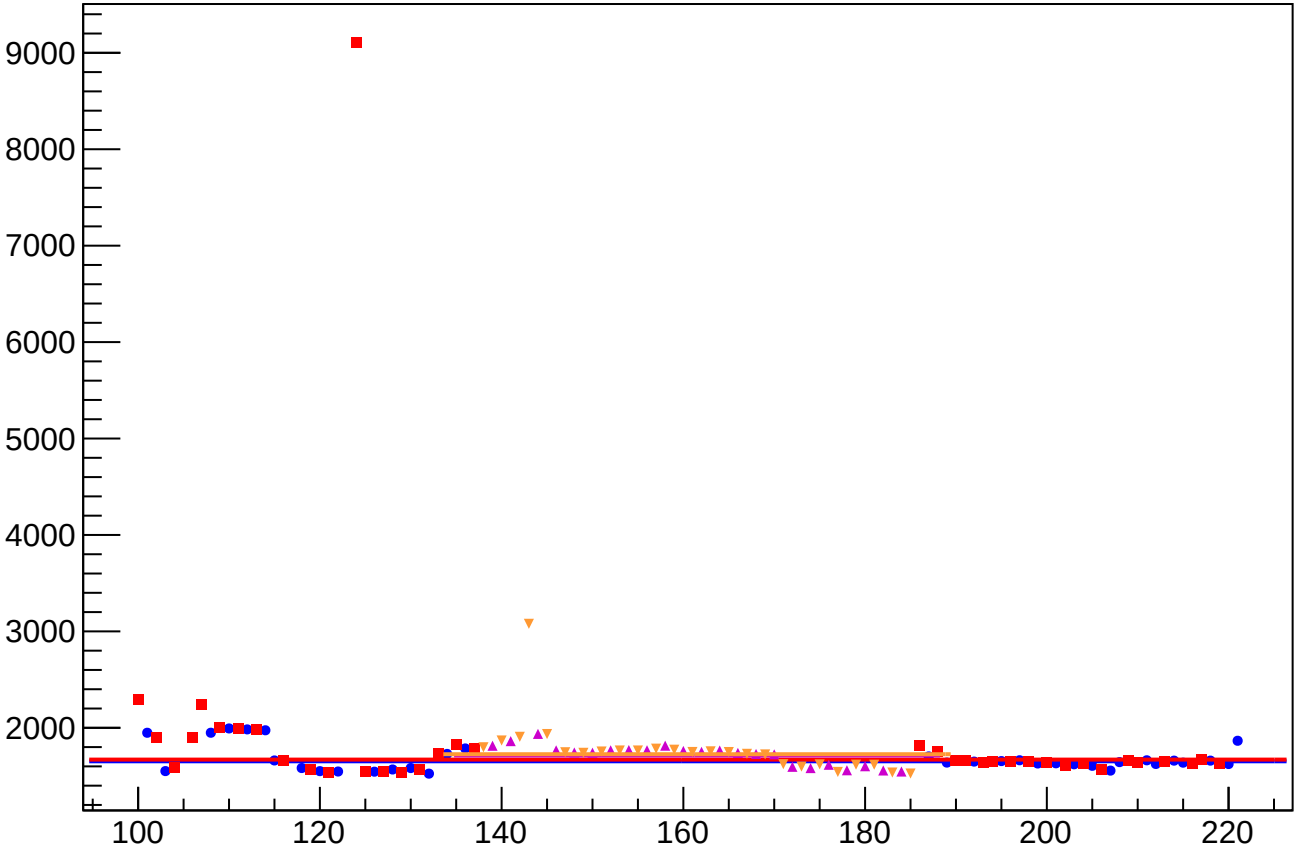
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1446.331+/-264.912 χ^2/NDF: 55.3/58

All: -228.946+/-188.736 χ^2/NDF: 197.0/118

- sign -1955.797+/-268.959 χ^2/NDF: 60.4/59

reg_asym_atl_avg_rms vs Slug



Right In: 1652.753+/-0.253 χ^2/NDF: 166605.1/33

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.336+/-0.256 χ^2/NDF: 421486.7/36

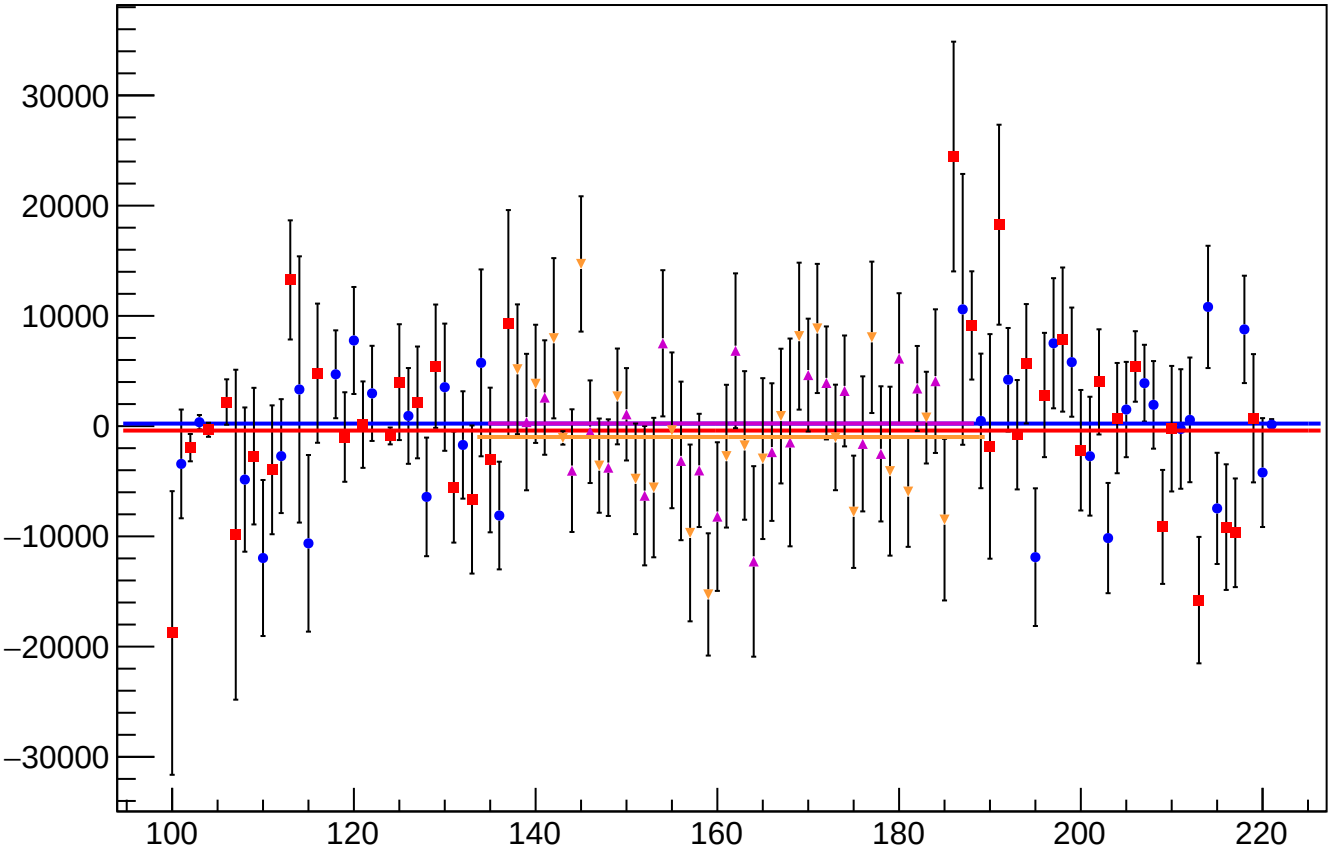
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.818+/-0.187 χ^2/NDF: 659454.3/58

All: 1687.677+/-0.133 χ^2/NDF: 1222997.2/11

- sign 1689.591+/-0.190 χ^2/NDF: 563342.9/59

asym_atl_avg_reg_correction_mean vs Slug



Right In: 229.761+/-365.944 χ^2/NDF: 39.7/33

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -401.541+/-402.933 χ^2/NDF: 55.8/36

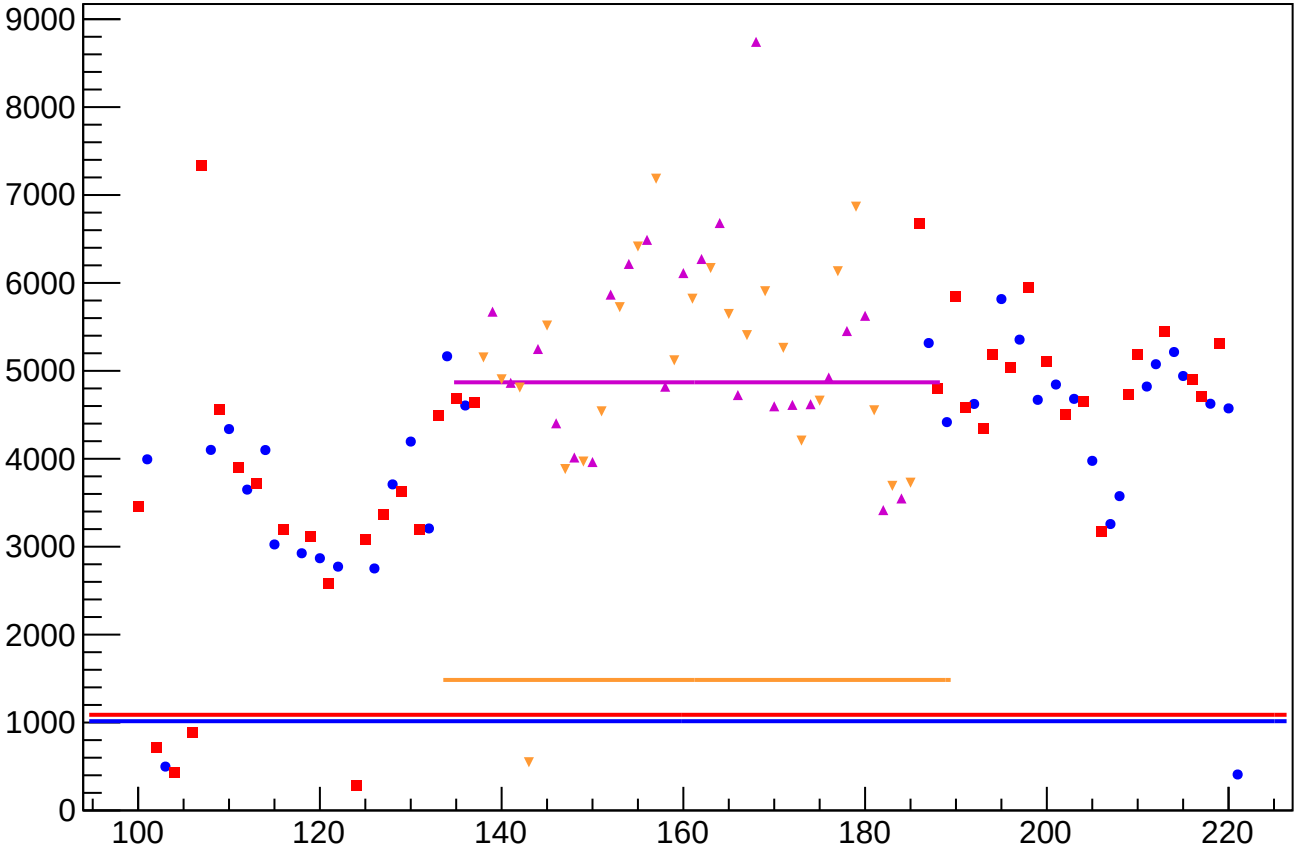
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

\+ sign -152.152+/-303.156 χ^2/NDF: 74.0/58

All: -222.325+/-237.176 χ^2/NDF: 143.8/118

\- sign -333.047+/-380.801 χ^2/NDF: 69.6/59

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1015.198+/-0.259 χ^2/NDF: 27609093.5/33

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1088.039+/-0.285 χ^2/NDF: 27139005.3/36

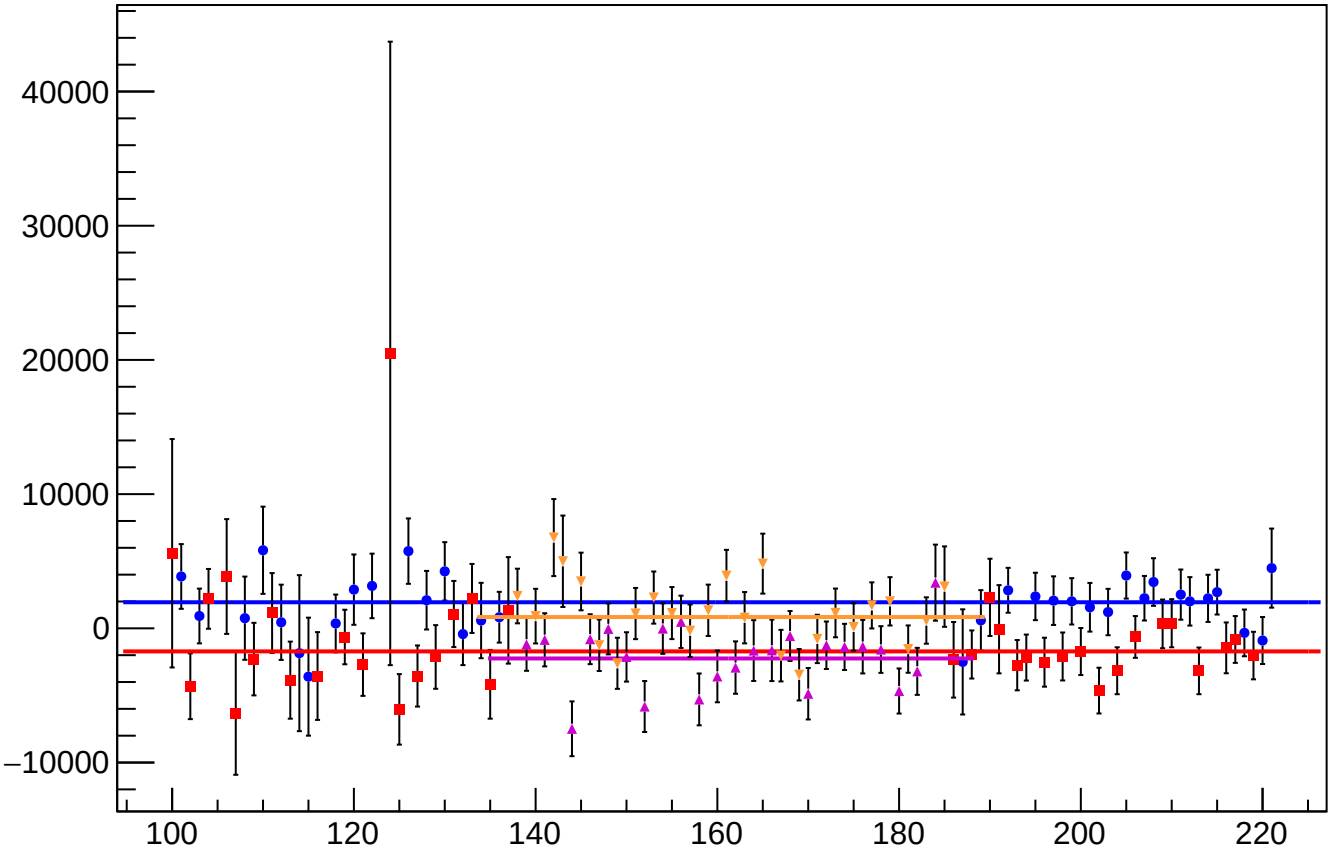
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1162.446+/-0.214 χ^2/NDF: 51866227.3/58

All: 1290.307+/-0.168 χ^2/NDF: 100217567.0

- sign 1492.051+/-0.269 χ^2/NDF: 47434214.9/59

cor_asym_atl_avg_mean vs Slug



Right In: 1943.284+/-357.551 χ^2/NDF: 20.6/33

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1717.967+/-362.803 χ^2/NDF: 30.1/36

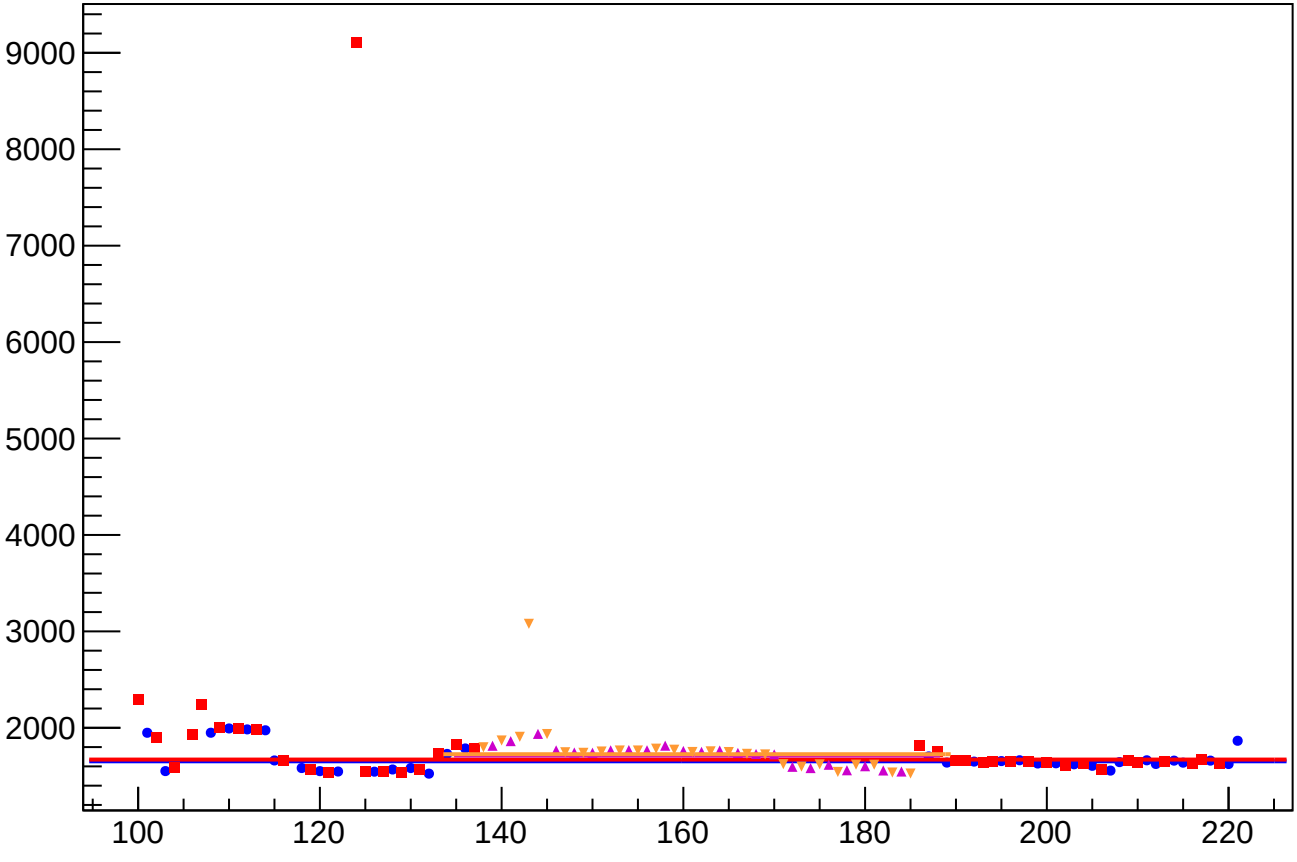
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1446.345+/-264.912 χ^2/NDF: 55.3/58

All: -228.732+/-188.736 χ^2/NDF: 196.9/118

- sign -1955.381+/-268.959 χ^2/NDF: 60.4/59

cor_asym_atl_avg_rms vs Slug



Right In: 1652.753+/-0.253 χ^2/NDF: 166605.1/33

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

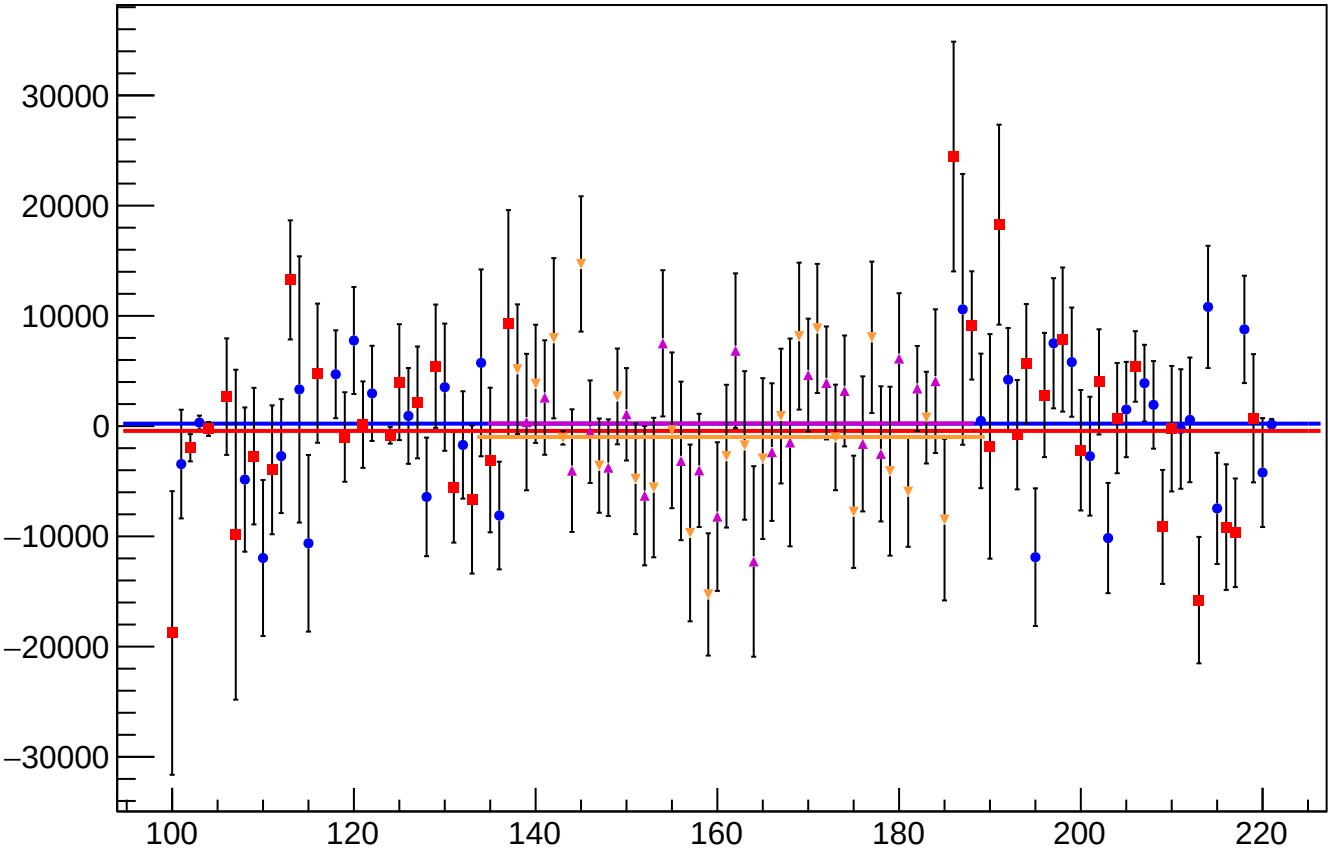
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.818+/-0.187 χ^2/NDF: 659454.4/58

All: 1687.747+/-0.133 χ^2/NDF: 1224988.8/11

- sign 1689.733+/-0.190 χ^2/NDF: 565319.1/59

asym_atl_avg_cor_correction_mean vs Slug



Right In: 223.824+/-363.088 χ^2/NDF: 39.7/33

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -434.800+/-407.906 χ^2/NDF: 54.5/36

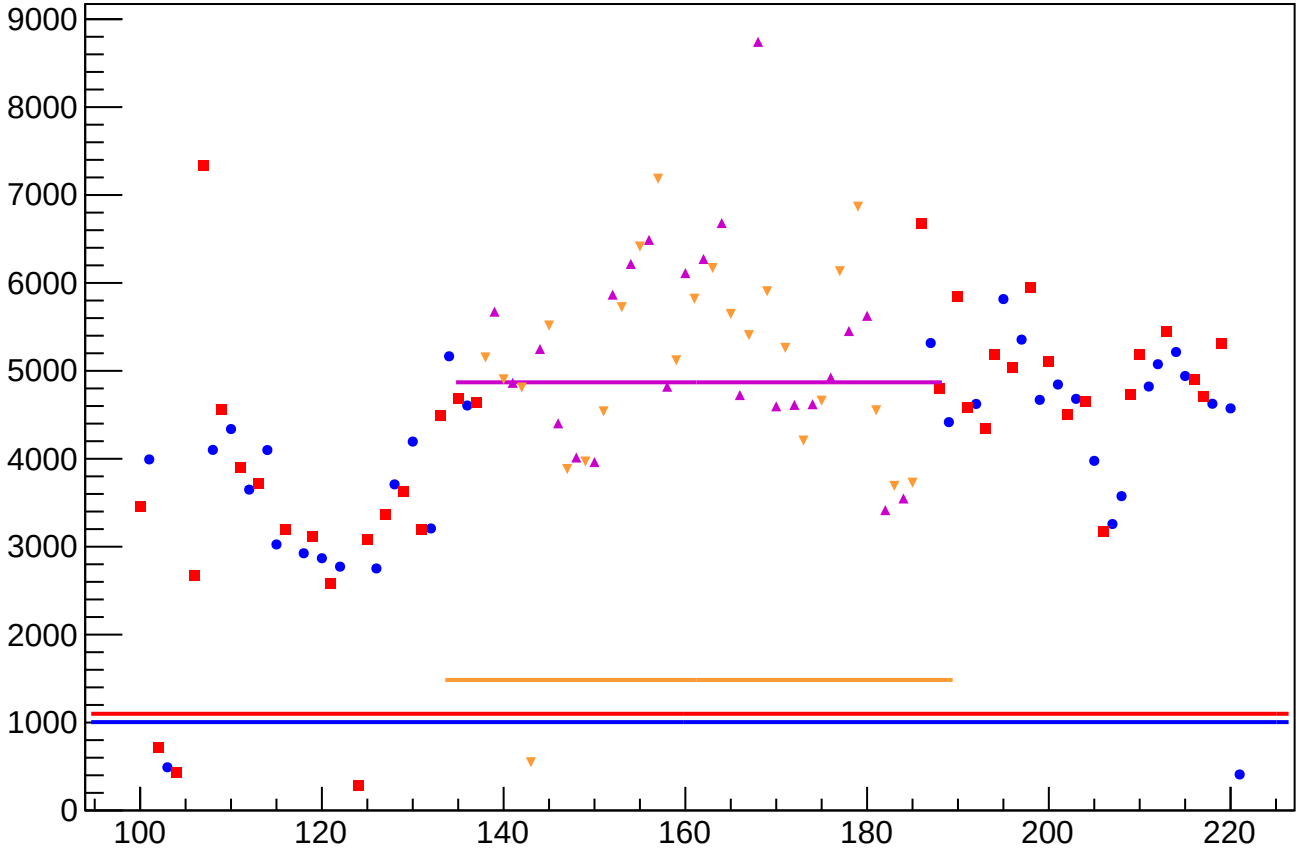
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -152.066+/-301.524 χ^2/NDF: 74.0/58

All: -231.565+/-237.384 χ^2/NDF: 142.5/118

- sign -361.170+/-384.991 χ^2/NDF: 68.4/59

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1004.735+/-0.257 χ^2/NDF: 27708232.5/33

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

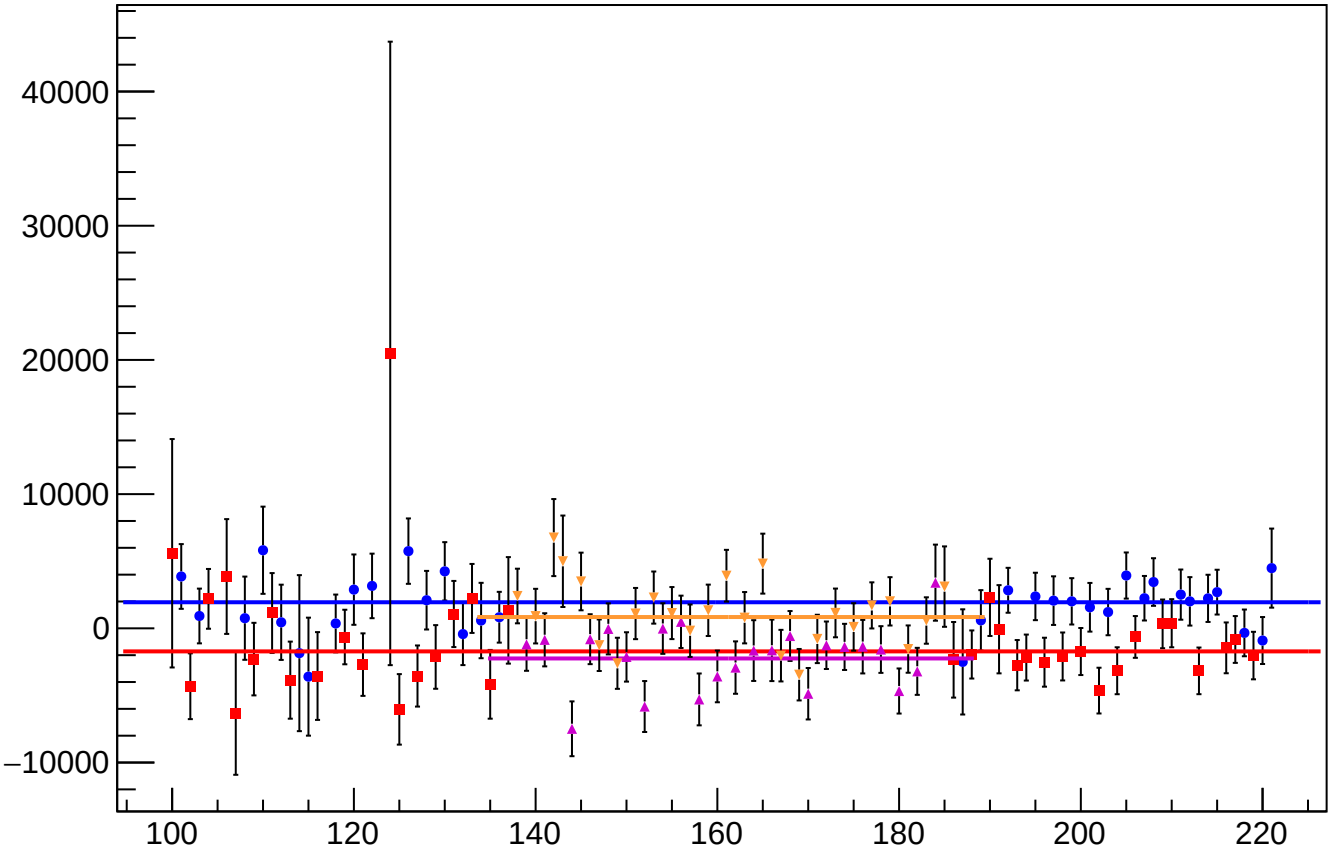
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1153.633+/-0.213 χ^2/NDF: 52017506.7/58

All: 1289.589+/-0.168 χ^2/NDF: 100571857.1

- sign 1511.234+/-0.272 χ^2/NDF: 47484843.5/59

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1943.284+/-357.551 χ^2/NDF: 20.6/33

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1717.967+/-362.803 χ^2/NDF: 30.1/36

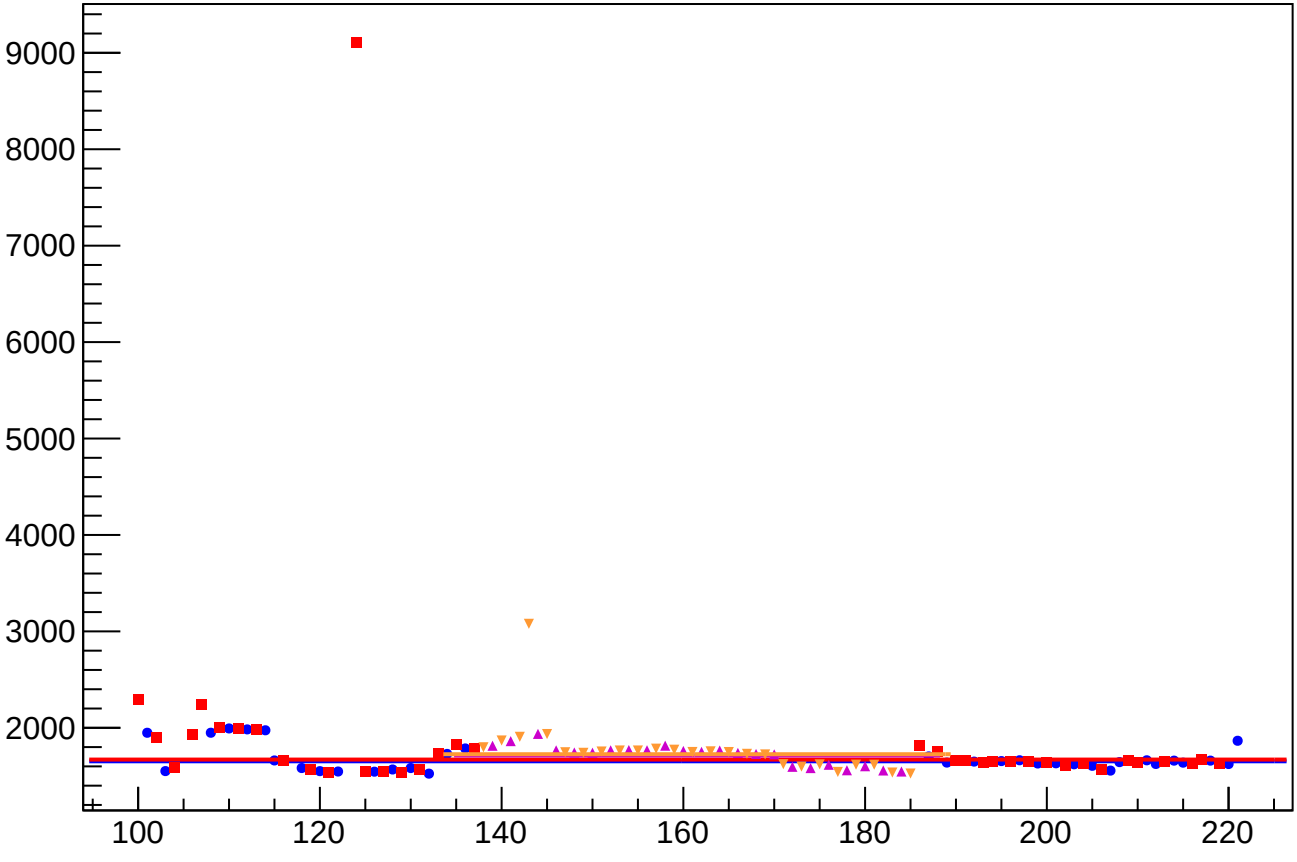
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1446.345+/-264.912 χ^2/NDF: 55.3/58

All: -228.732+/-188.736 χ^2/NDF: 196.9/118

- sign -1955.381+/-268.959 χ^2/NDF: 60.4/59

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1652.753+/-0.253 χ^2/NDF: 166605.1/33

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

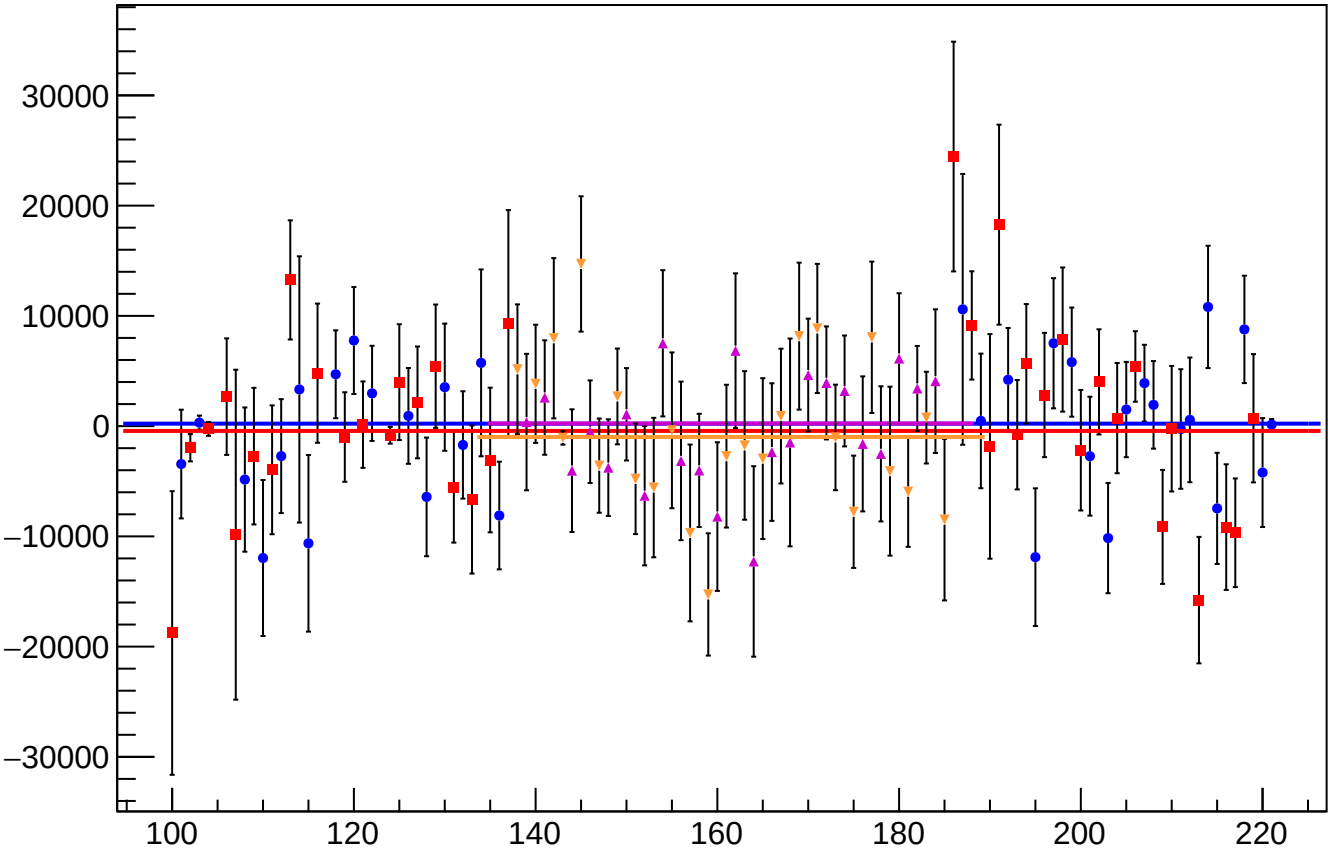
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1685.818+/-0.187 χ^2/NDF: 659454.4/58

All: 1687.747+/-0.133 χ^2/NDF: 1224988.8/11

- sign 1689.733+/-0.190 χ^2/NDF: 565319.1/59

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 223.824+/-363.088 χ^2/NDF: 39.7/33

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -434.800+/-407.906 χ^2/NDF: 54.5/36

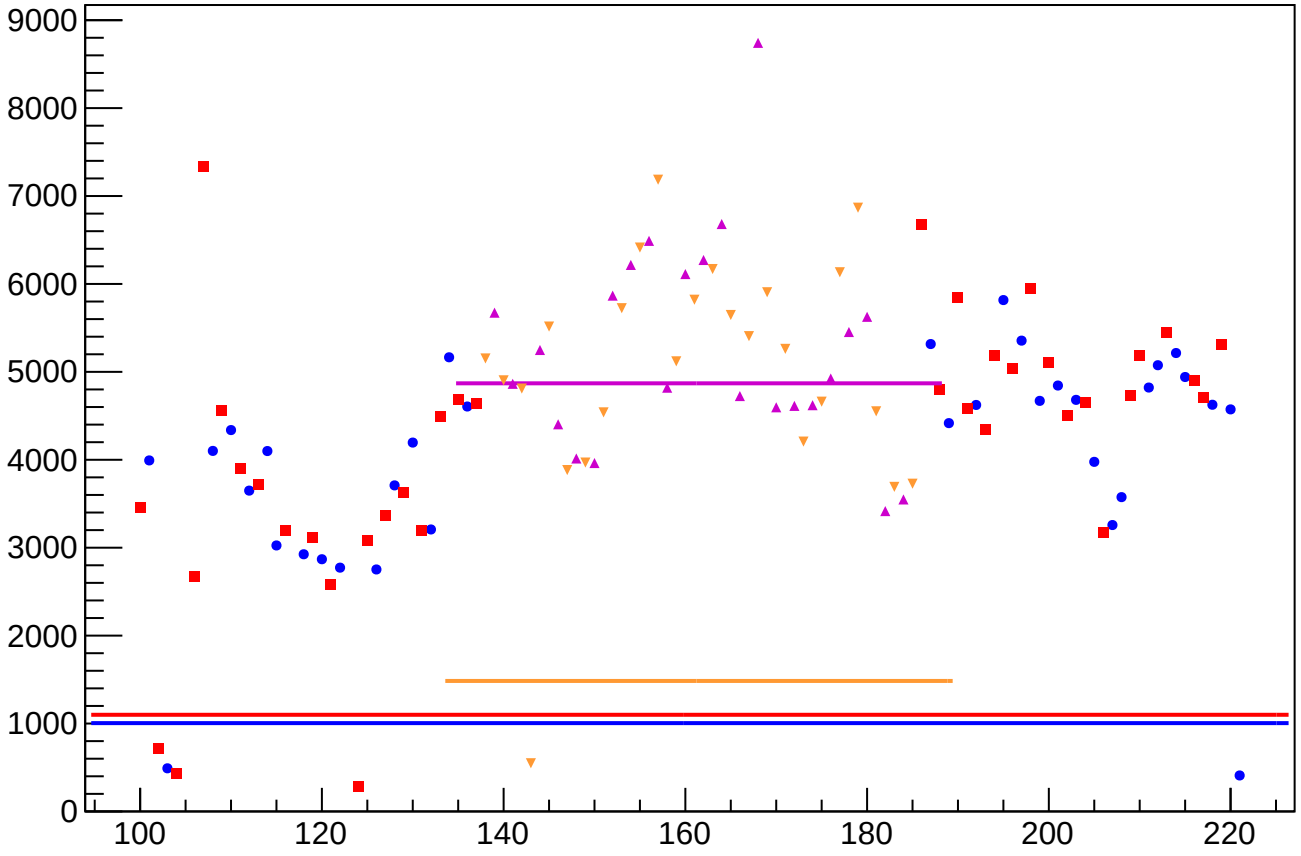
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -152.066+/-301.524 χ^2/NDF: 74.0/58

All: -231.565+/-237.384 χ^2/NDF: 142.5/118

\- sign -361.170+/-384.991 χ^2/NDF: 68.4/59

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1004.735+/-0.257 χ^2/NDF: 27708232.5/33

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

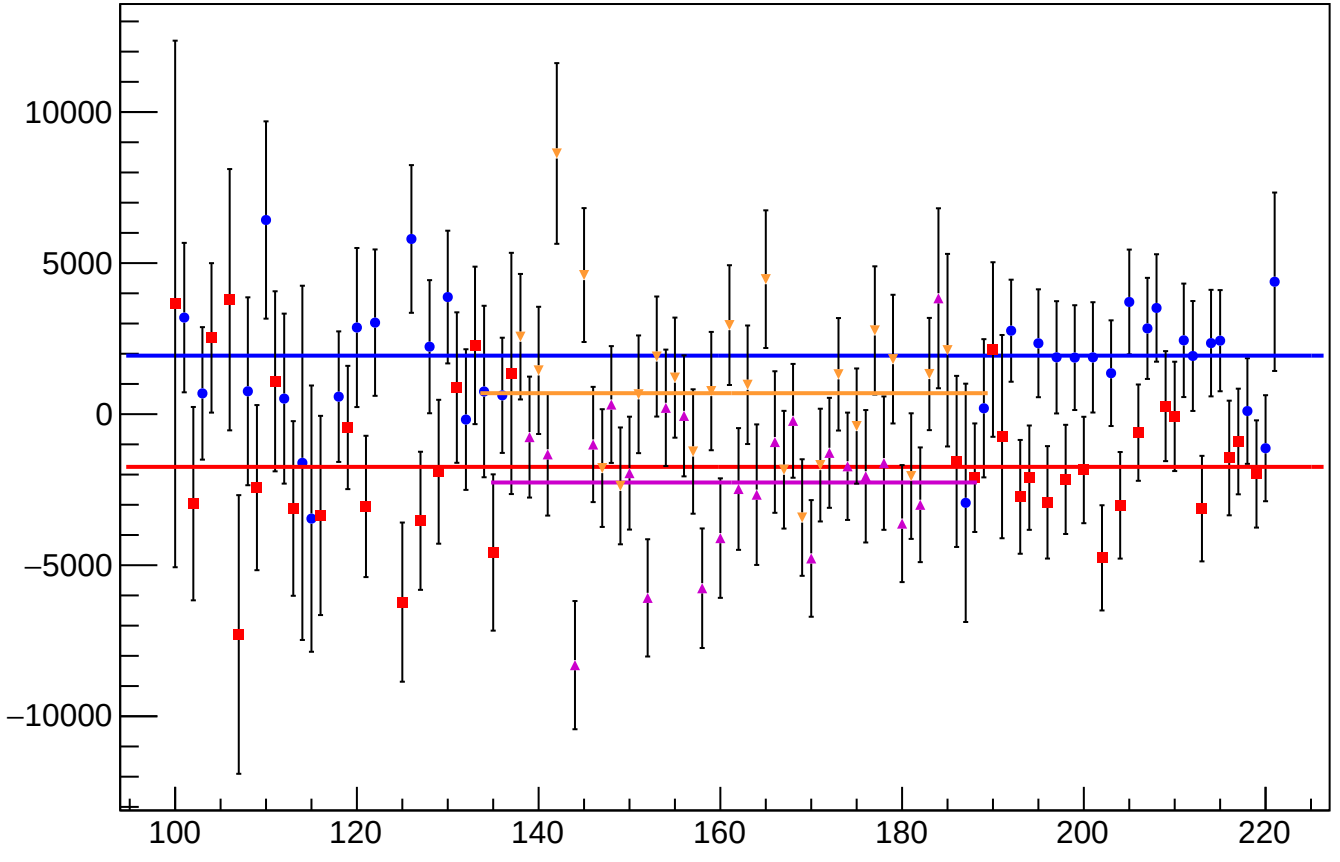
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1153.633+/-0.213 χ^2/NDF: 52017506.7/58

All: 1289.589+/-0.168 χ^2/NDF: 100571857.1

- sign 1511.234+/-0.272 χ^2/NDF: 47484843.5/59

dit_asym_atl_avg_mean vs Slug



Right In: 1936.919+/-360.982 χ^2/NDF: 19.9/33

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1744.905+/-368.411 χ^2/NDF: 27.2/35

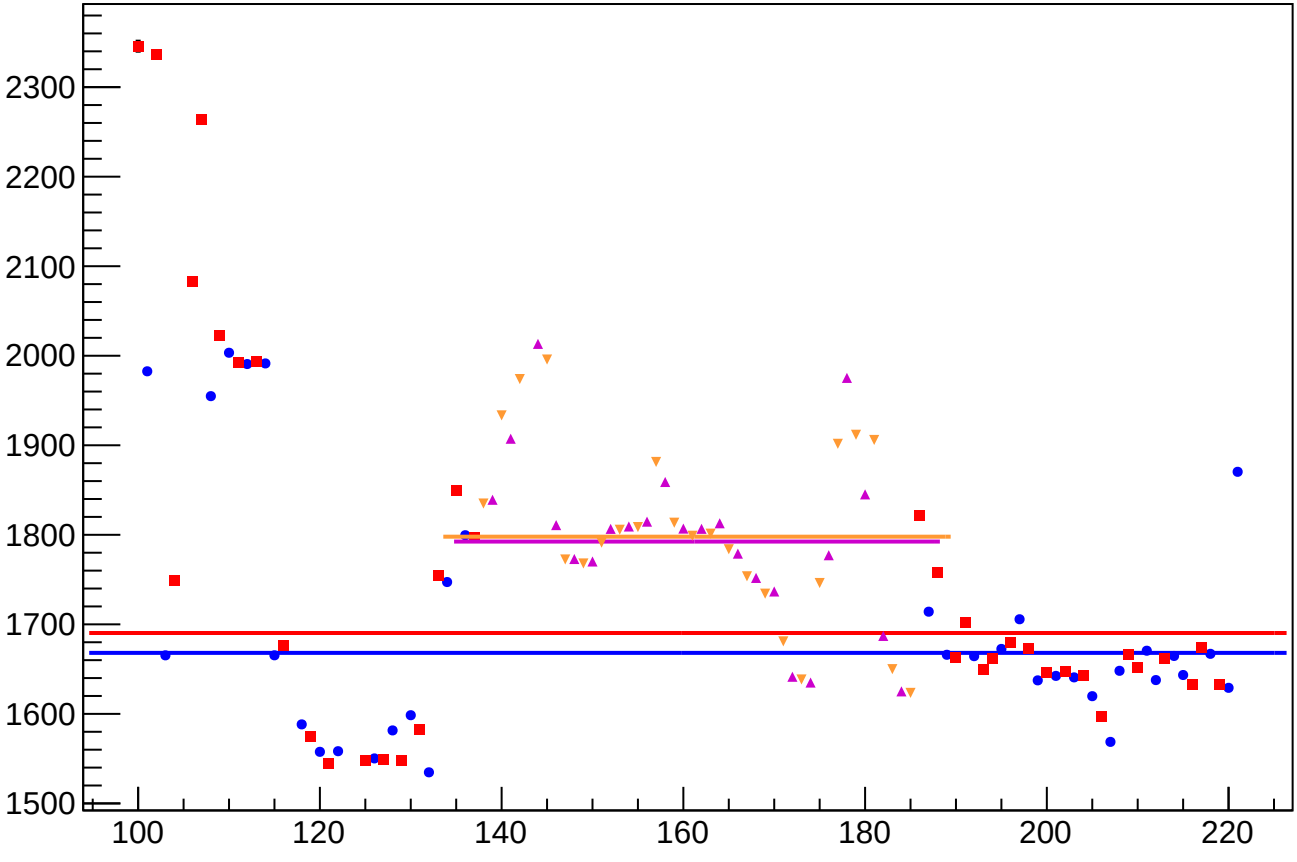
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1406.159+/-273.220 χ^2/NDF: 57.2/57

All: -260.490+/-194.422 χ^2/NDF: 191.1/116

- sign -1970.159+/-276.723 χ^2/NDF: 58.5/58

dit_asym_atl_avg_rms vs Slug



Right In: 1668.138+/-0.255 χ^2/NDF: 163416.3/33

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

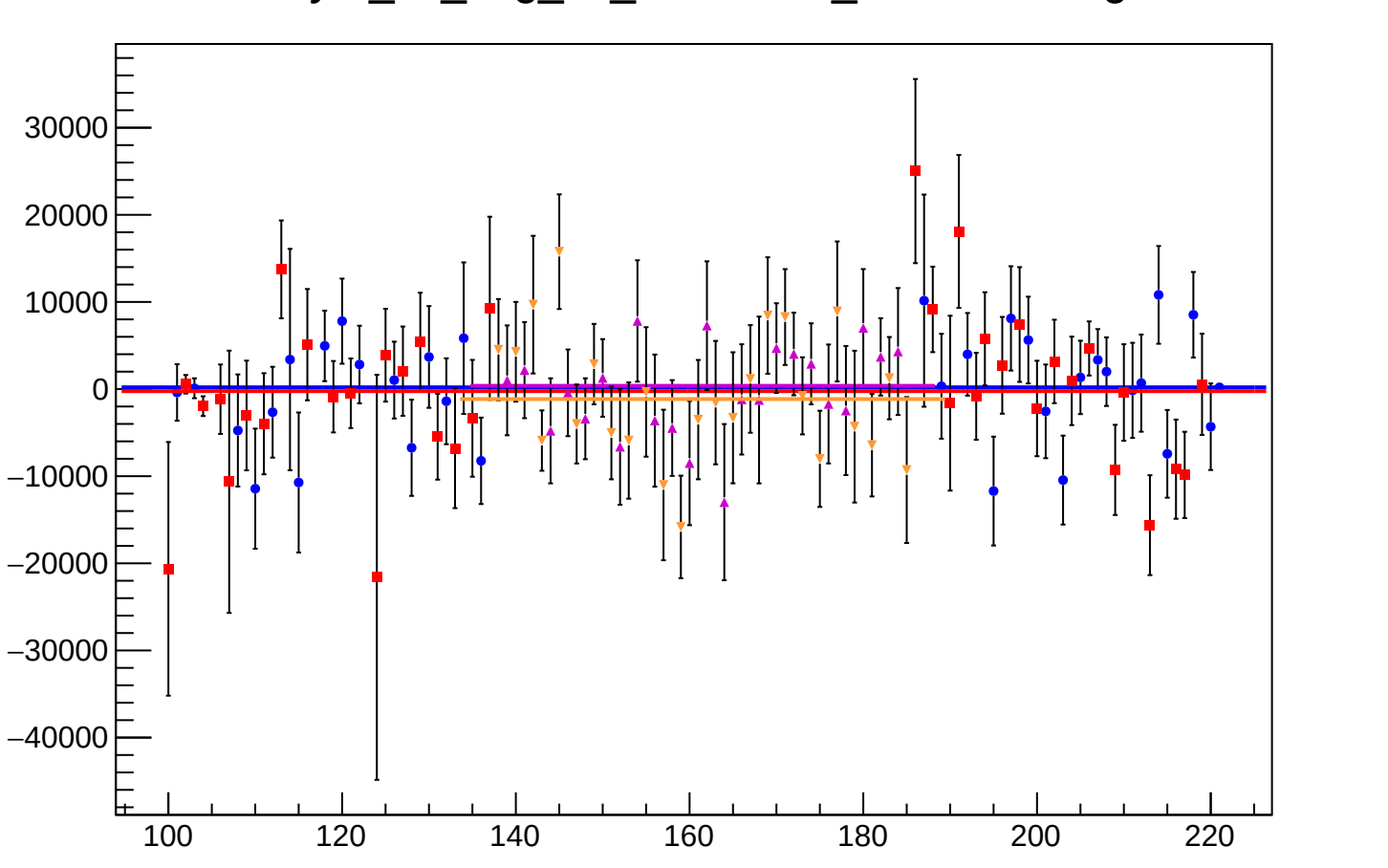
Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.9/35

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1723.568+/-0.193 χ^2/NDF: 371821.1/57

All: 1729.117+/-0.137 χ^2/NDF: 824698.5/116

- sign 1734.805+/-0.196 χ^2/NDF: 451206.9/58



Right In: 202.973+/-245.929 χ^2/NDF: 38.4/33

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -238.283+/-598.365 χ^2/NDF: 55.0/36

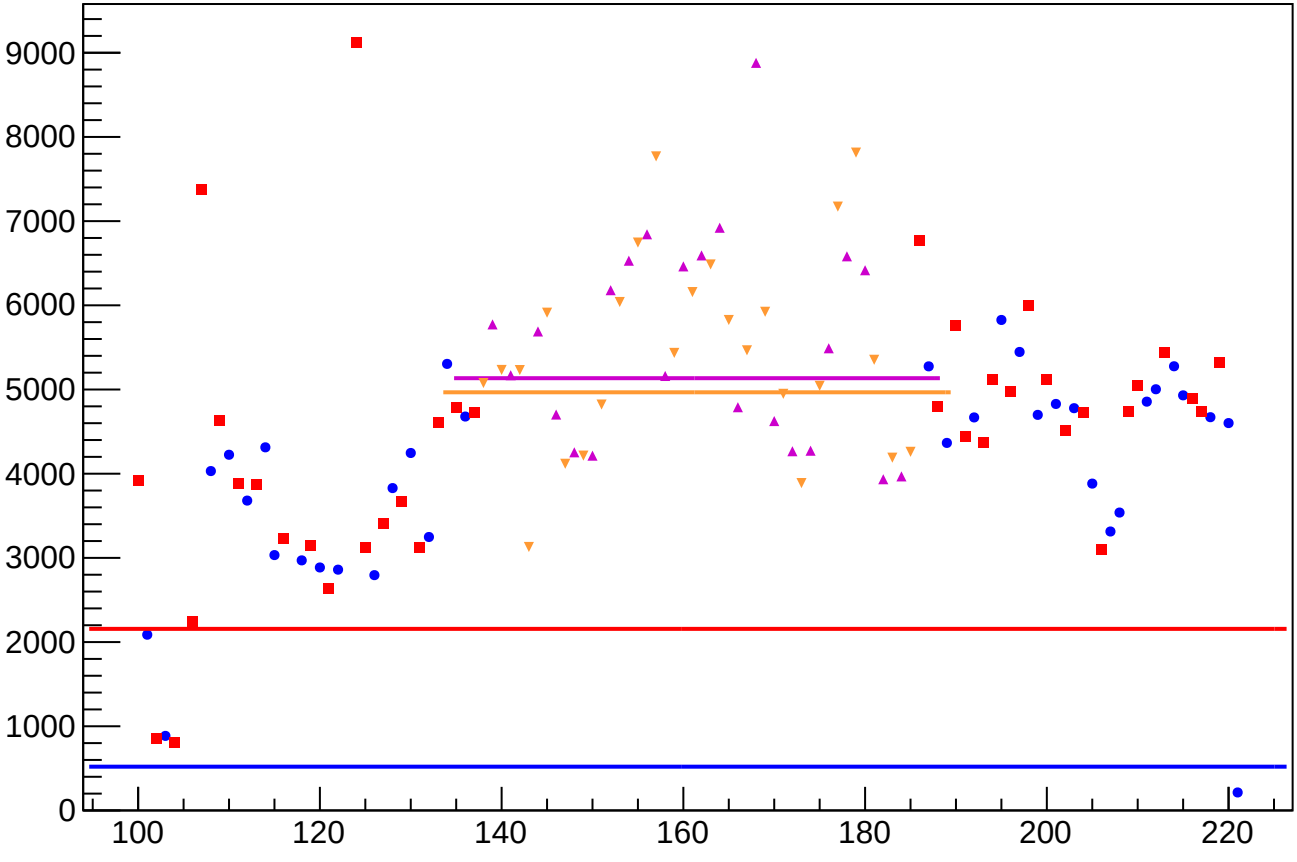
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign 145.441+/-240.622 χ^2/NDF: 72.2/58

All: 101.068+/-219.651 χ^2/NDF: 140.9/118

- sign -120.732+/-537.964 χ^2/NDF: 68.4/59

asym_atl_avg_dit_correction_rms vs Slug



Right In: 520.044+/-0.174 χ^2/NDF: 33659934.6/33

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2156.923+/-0.423 χ^2/NDF: 16820162.9/36

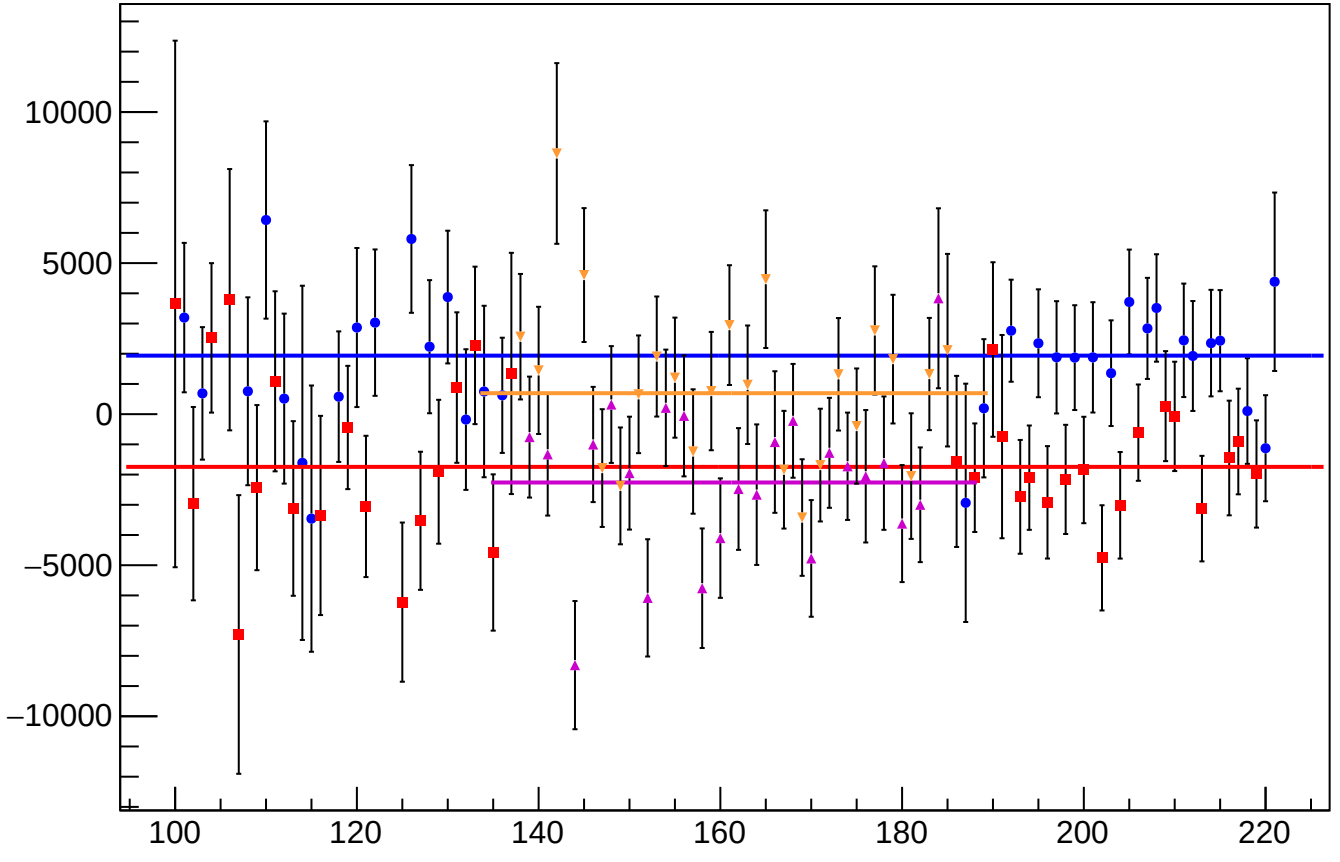
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 709.921+/-0.170 χ^2/NDF: 63498976.7/58

All: 1046.303+/-0.155 χ^2/NDF: 114745670.5

- sign 2727.705+/-0.380 χ^2/NDF: 27800660.8/59

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1936.917+/-360.982 χ^2/NDF: 19.9/33

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1744.901+/-368.411 χ^2/NDF: 27.2/35

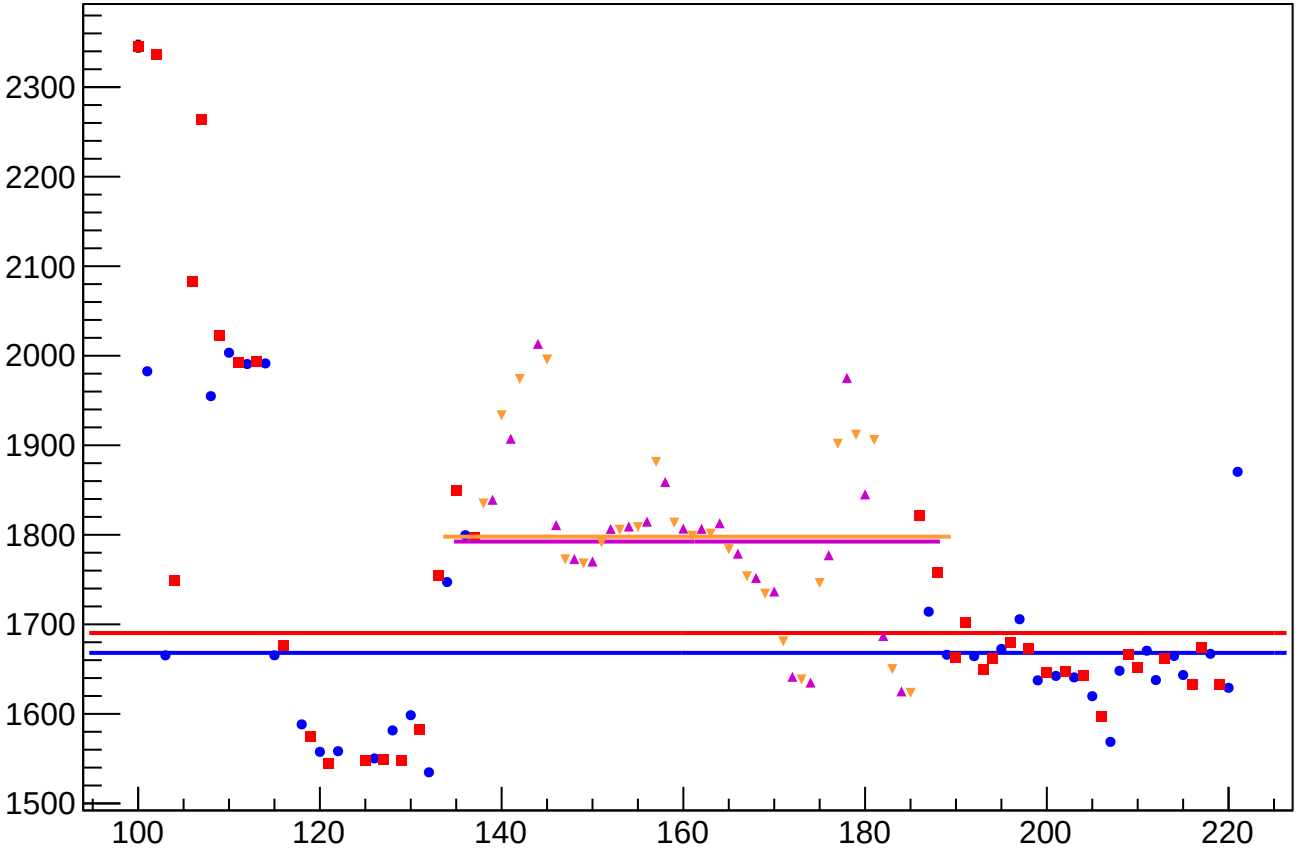
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1406.157+/-273.220 χ^2/NDF: 57.2/57

All: -260.490+/-194.422 χ^2/NDF: 191.1/116

- sign -1970.156+/-276.723 χ^2/NDF: 58.5/58

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1668.138+/-0.255 χ^2/NDF: 163416.5/33

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.4/35

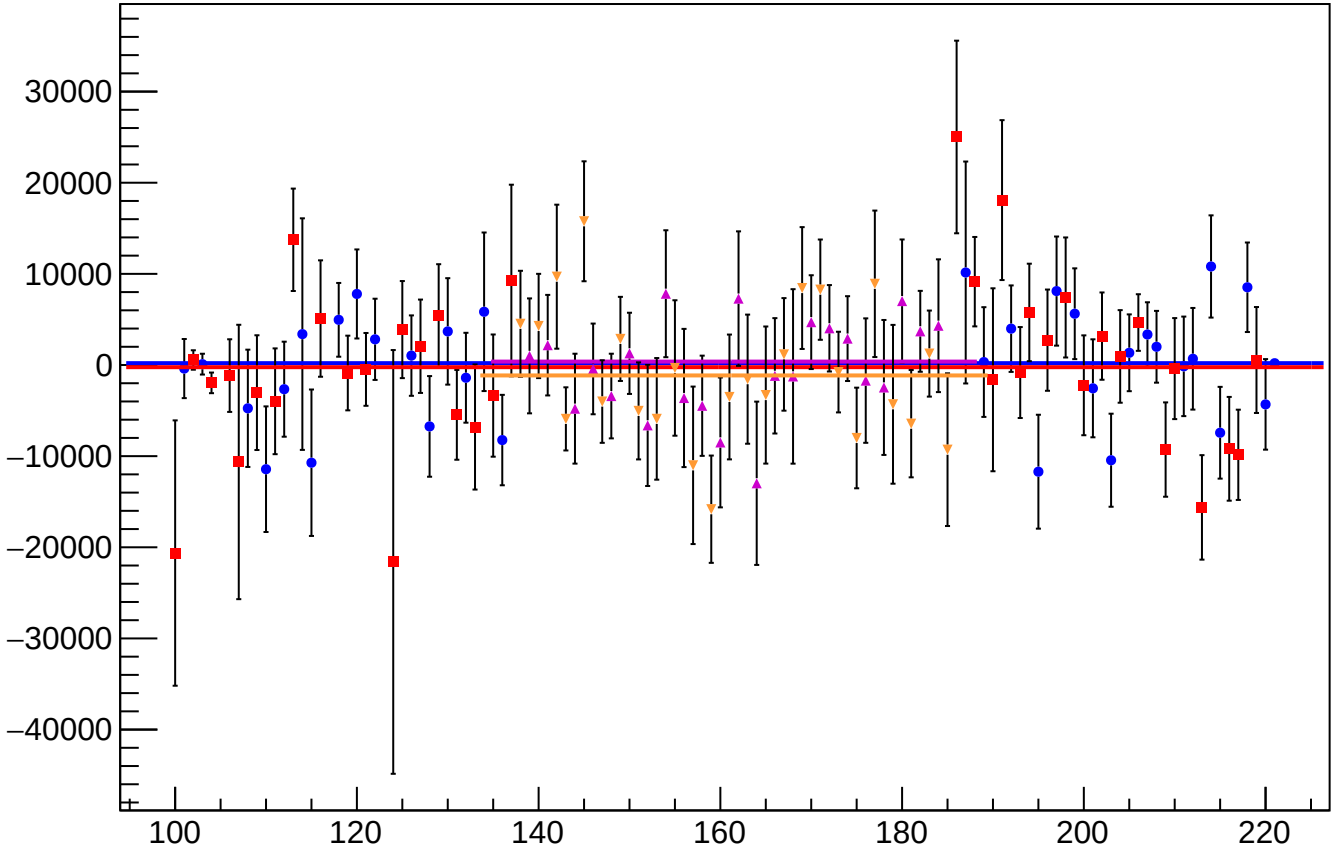
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1723.569+/-0.193 χ^2/NDF: 371827.0/57

All: 1729.117+/-0.137 χ^2/NDF: 824709.0/116

- sign 1734.805+/-0.196 χ^2/NDF: 451211.5/58

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 202.971+/-245.929 χ^2/NDF: 38.4/33

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -238.286+/-598.362 χ^2/NDF: 55.0/36

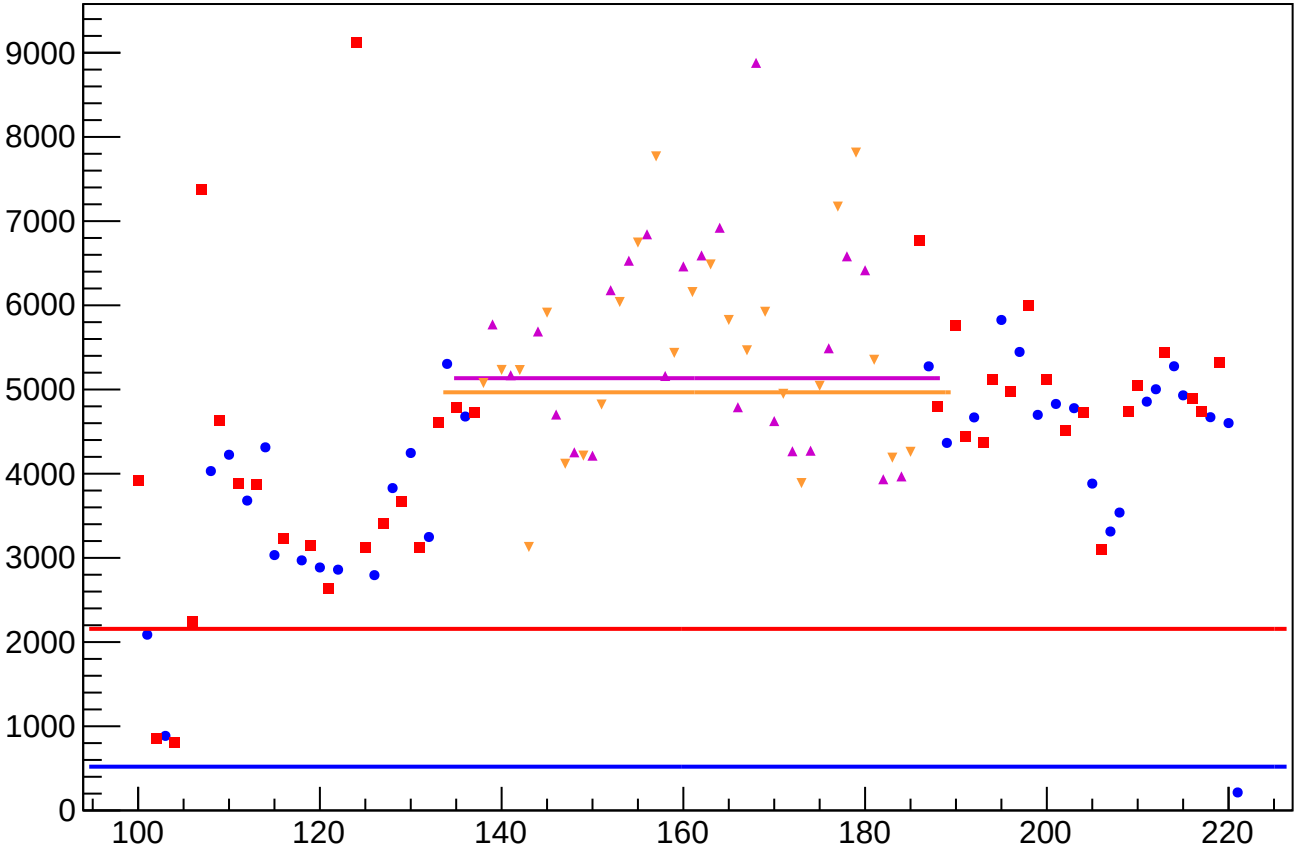
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign 145.439+/-240.621 χ^2/NDF: 72.2/58

All: 101.065+/-219.650 χ^2/NDF: 140.9/118

- sign -120.736+/-537.962 χ^2/NDF: 68.4/59

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 520.043+/-0.174 χ^2/NDF: 33659942.4/33

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2156.904+/-0.423 χ^2/NDF: 16820333.4/36

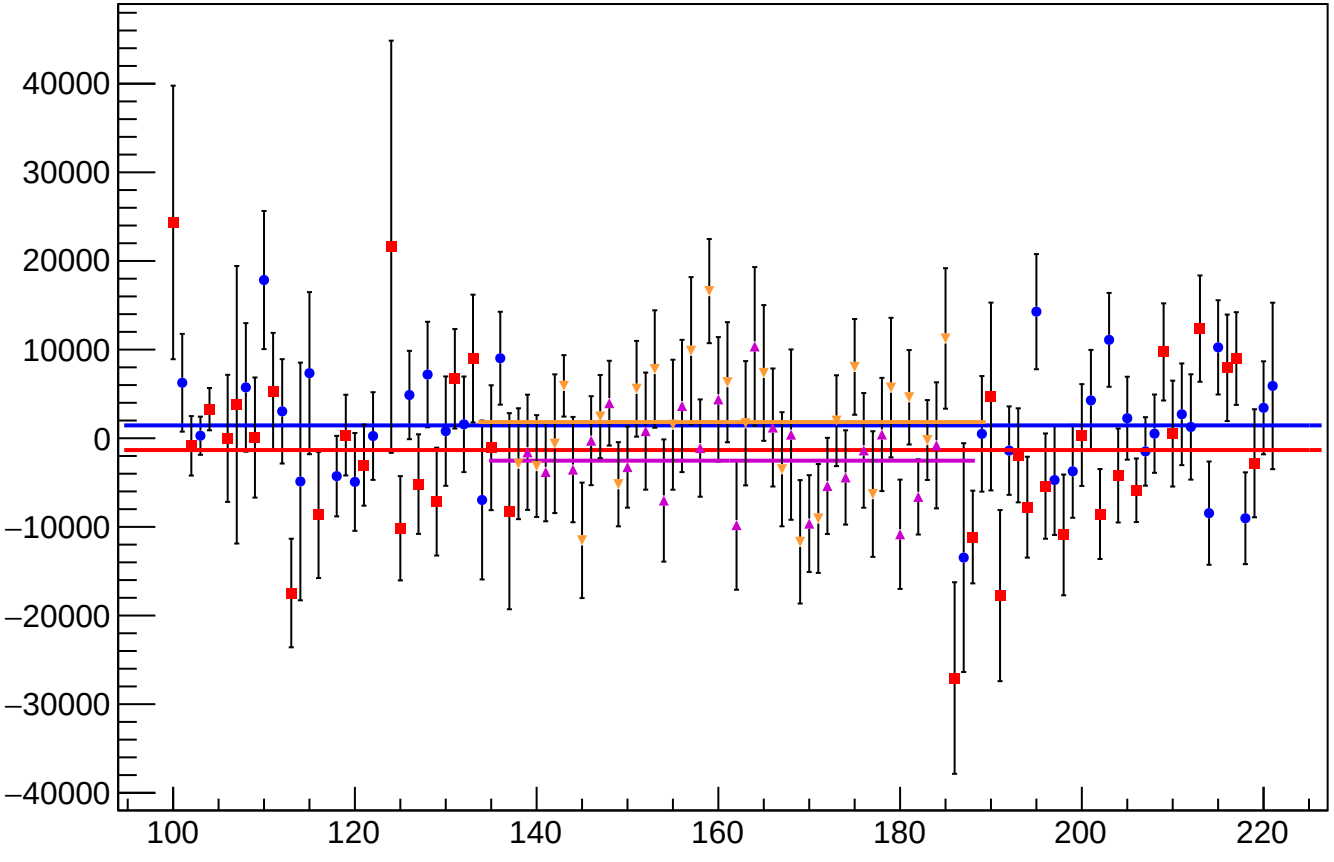
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 709.919+/-0.170 χ^2/NDF: 63499013.5/58

All: 1046.301+/-0.155 χ^2/NDF: 114745781.9

- sign 2727.685+/-0.380 χ^2/NDF: 27801001.0/59

asym_atl_avg_mean vs Slug



Right In: 1450.207+/-903.255 χ^2/NDF: 35.8/33

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1331.849+/-915.616 χ^2/NDF: 61.0/36

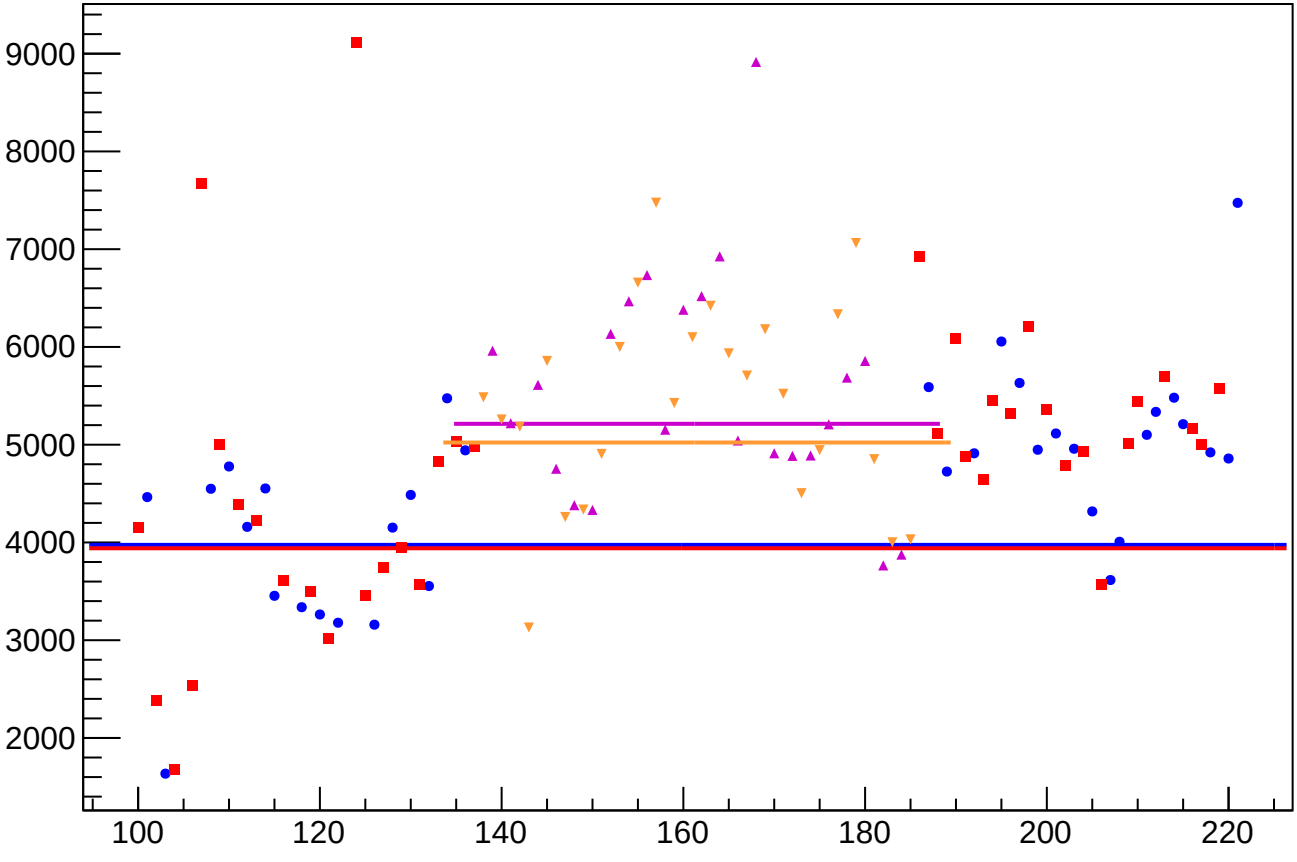
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1590.244+/-715.543 χ^2/NDF: 67.0/58

All: -32.265+/-513.384 χ^2/NDF: 152.4/118

- sign -1753.541+/-737.000 χ^2/NDF: 74.8/59

asym_atl_avg_rms vs Slug



Right In: 3975.153+/-0.639 χ^2/NDF: 4301275.8/33

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3940.359+/-0.642 χ^2/NDF: 4714306.6/36

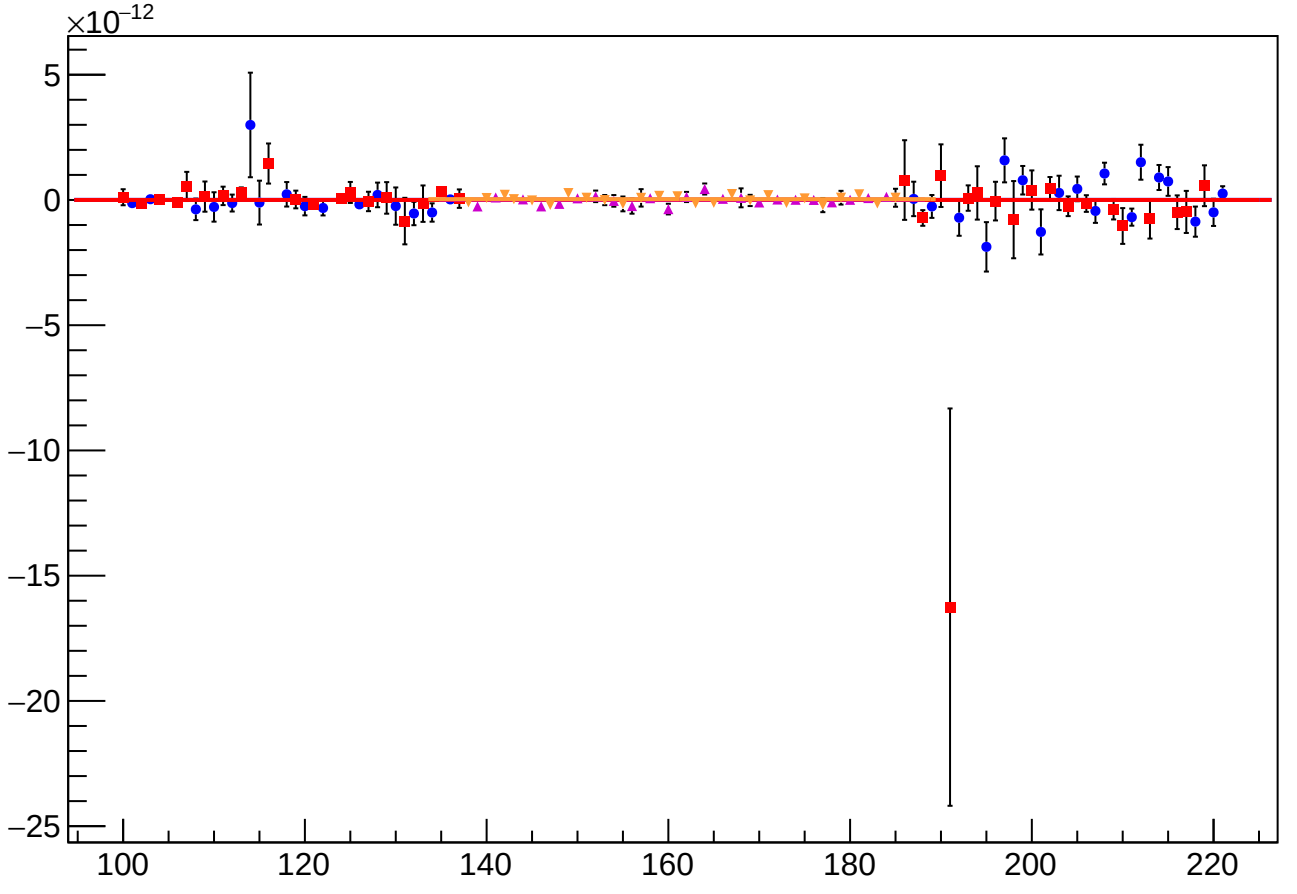
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4365.197+/-0.506 χ^2/NDF: 6979216.1/58

All: 4374.222+/-0.362 χ^2/NDF: 14287373.2/1

- sign 4383.690+/-0.518 χ^2/NDF: 7307505.1/59

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/36

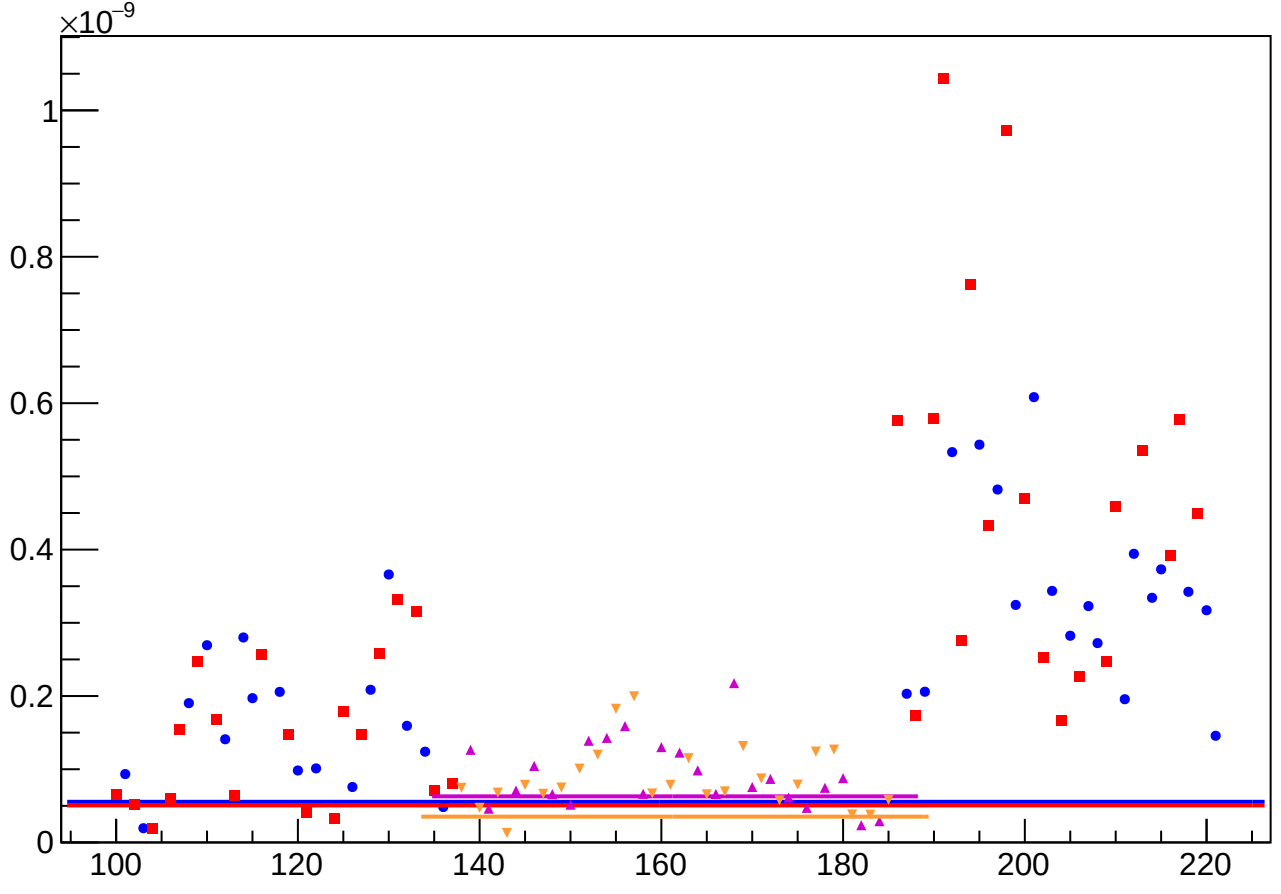
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/58

All: 0.000+/-0.000 χ^2/NDF: 125.8/118

- sign 0.000+/-0.000 χ^2/NDF: 52.2/59

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11820781.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11846643.7/36

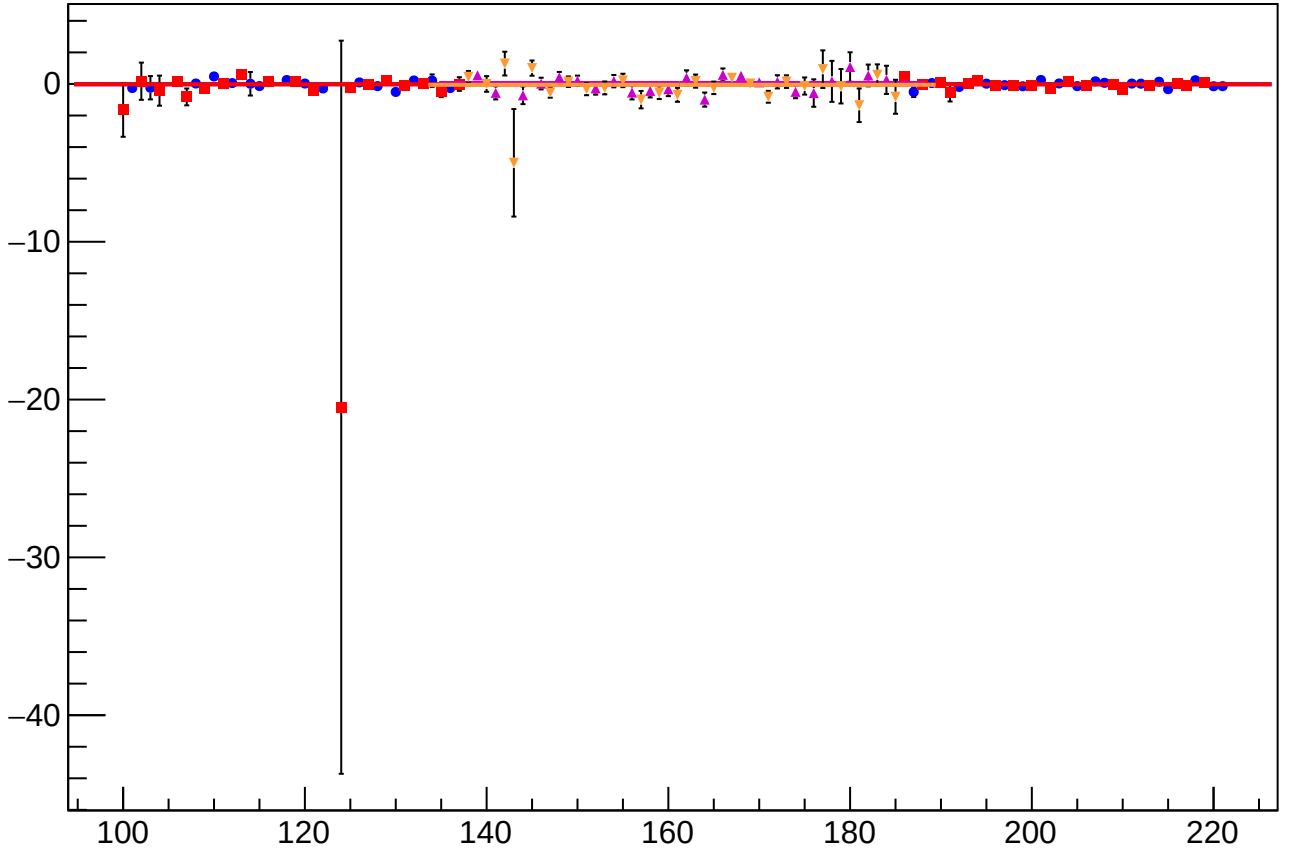
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18914246.9/58

All: 0.000+/-0.000 χ^2/NDF: 34757968.8/118

- sign 0.000+/-0.000 χ^2/NDF: 14955298.1/59

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

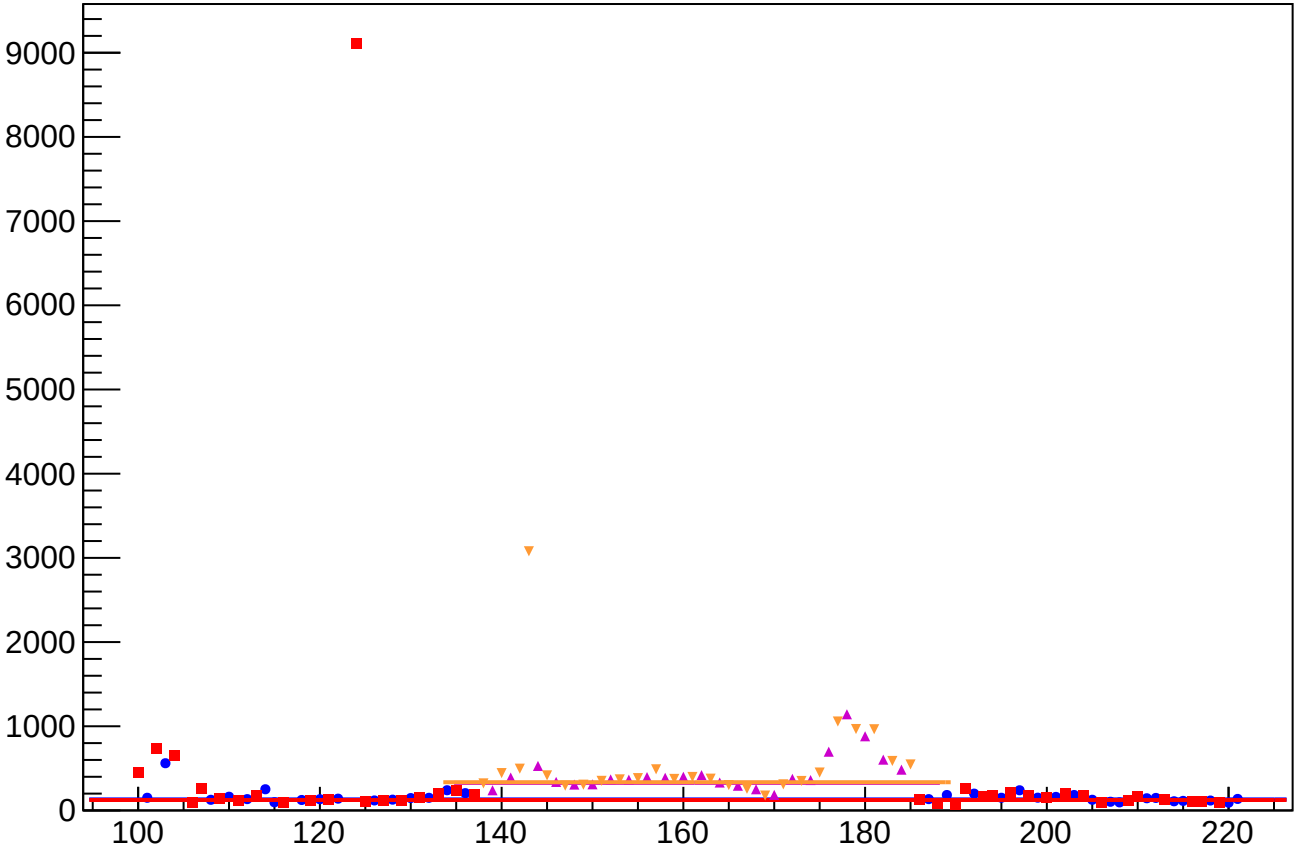
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.017+/-0.020 χ^2/NDF: 141.3/118

- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 131.164+/-0.022 χ^2/NDF: 2832479.3/33

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

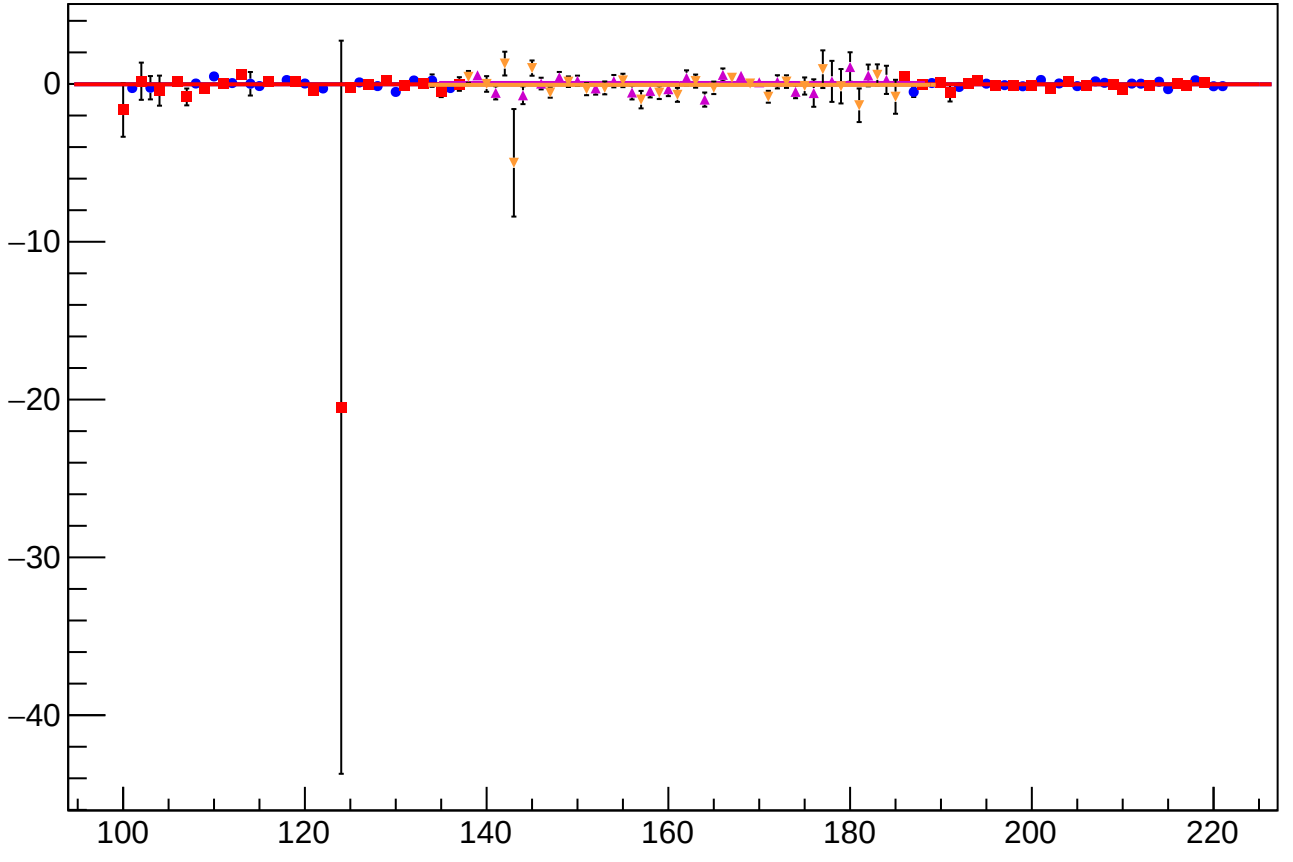
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 154.578+/-0.020 χ^2/NDF: 18976818.4/58

All: 151.218+/-0.014 χ^2/NDF: 38387231.8/11

- sign 147.959+/-0.020 χ^2/NDF: 19356266.6/59

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

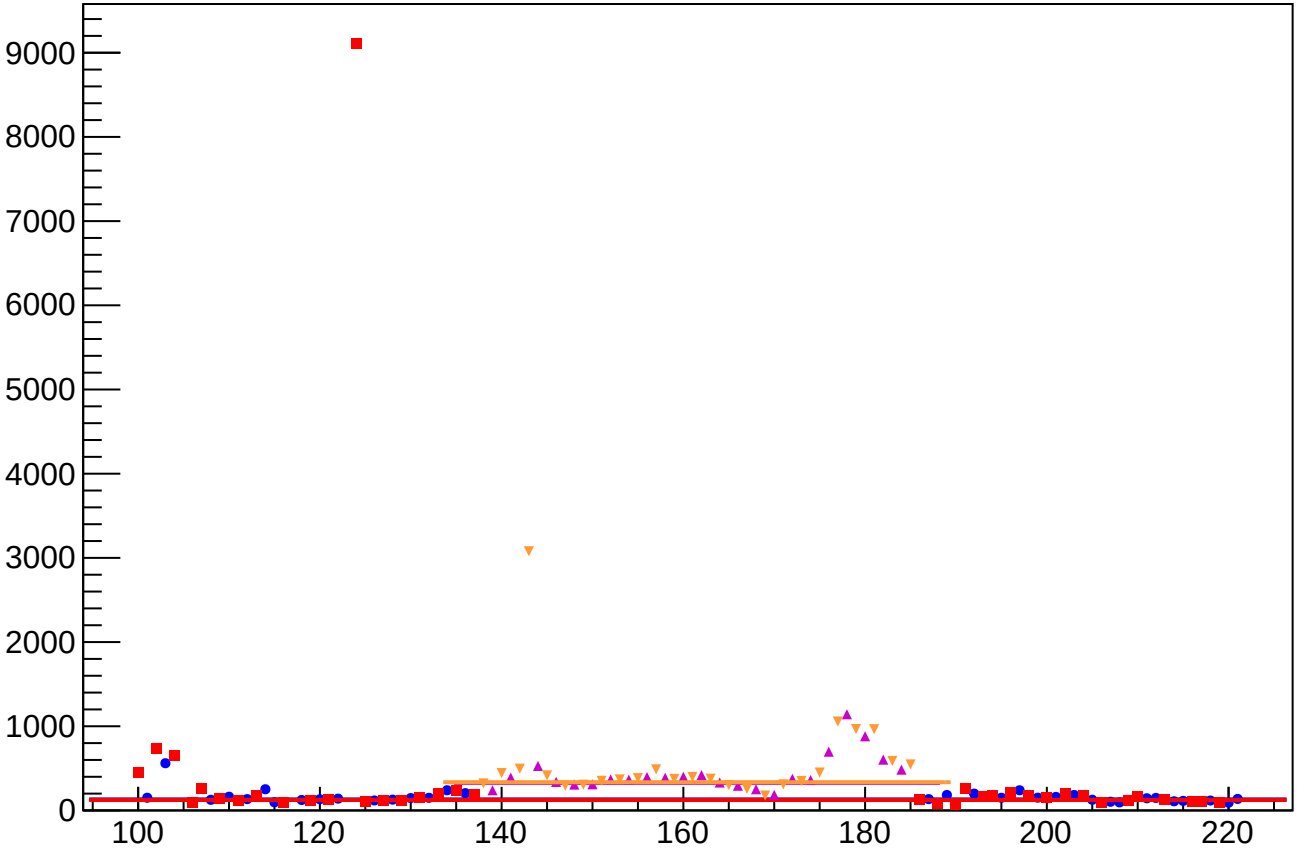
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.017+/-0.020 χ^2/NDF: 141.3/118

- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 131.164+/-0.022 χ^2/NDF: 2832479.3/33

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

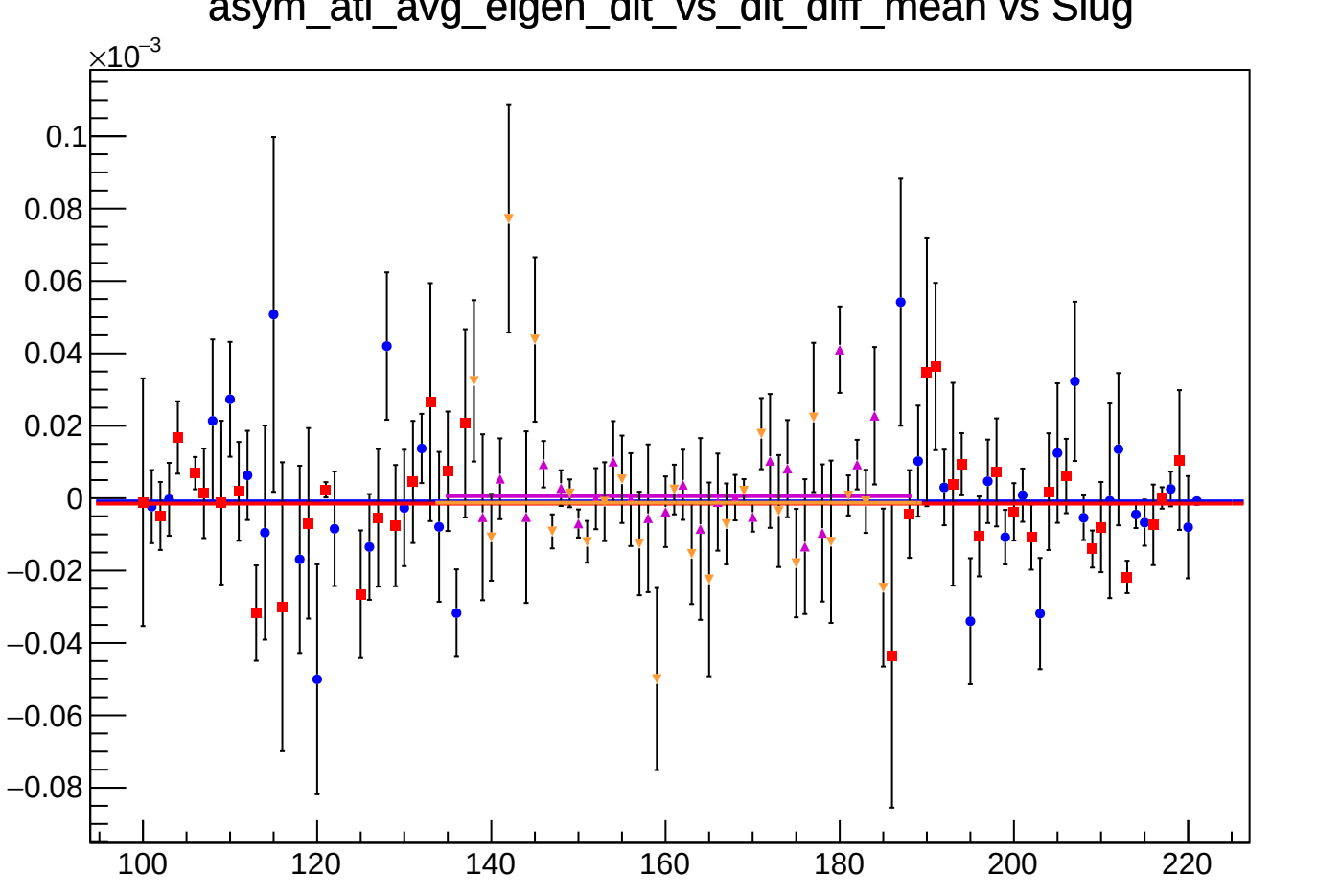
Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 154.578+/-0.020 χ^2/NDF: 18976818.4/58

All: 151.218+/-0.014 χ^2/NDF: 38387231.8/11

- sign 147.959+/-0.020 χ^2/NDF: 19356266.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 42.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 57.1/35

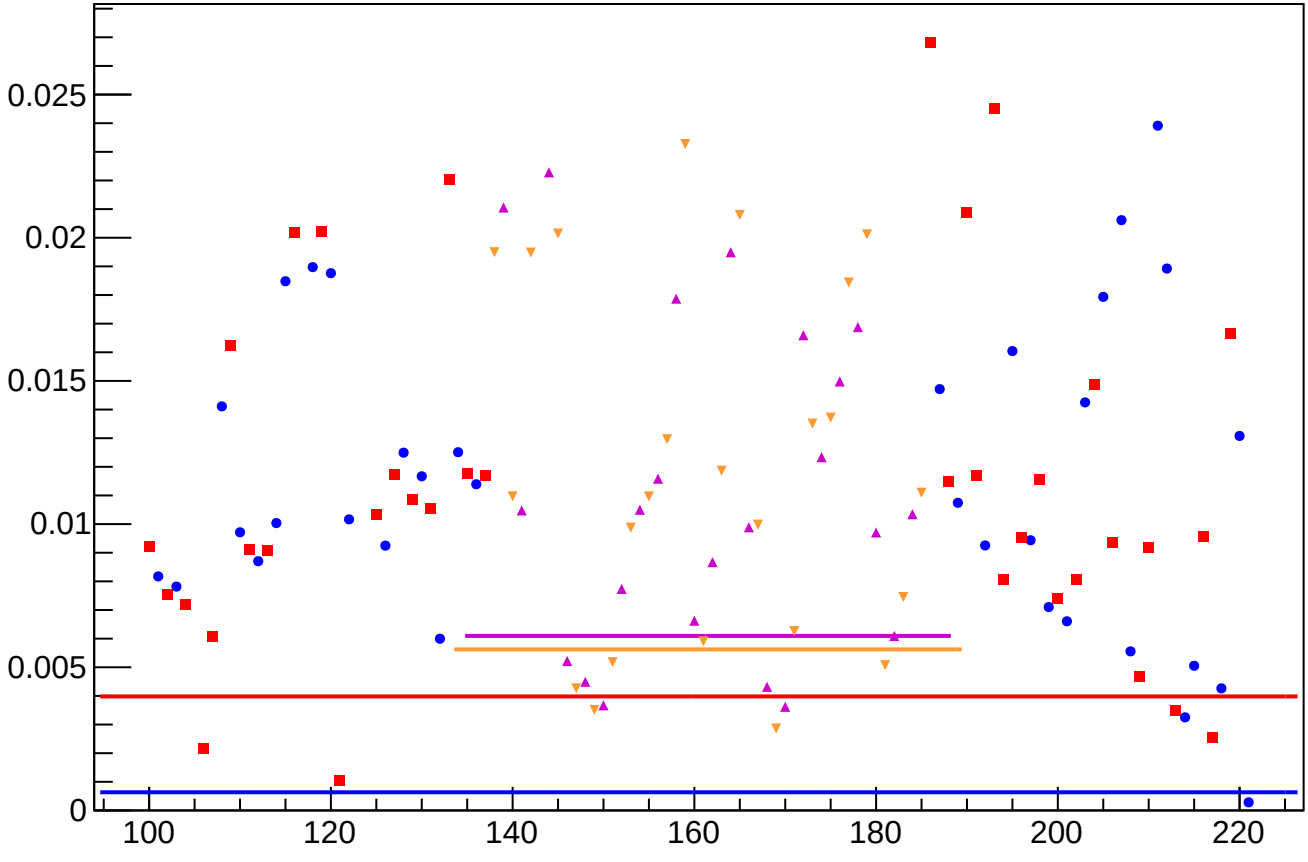
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.0/57

All: -0.000+/-0.000 χ^2/NDF: 161.5/116

- sign -0.000+/-0.000 χ^2/NDF: 83.5/58

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 35634593.0/33

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 18561448.4/35

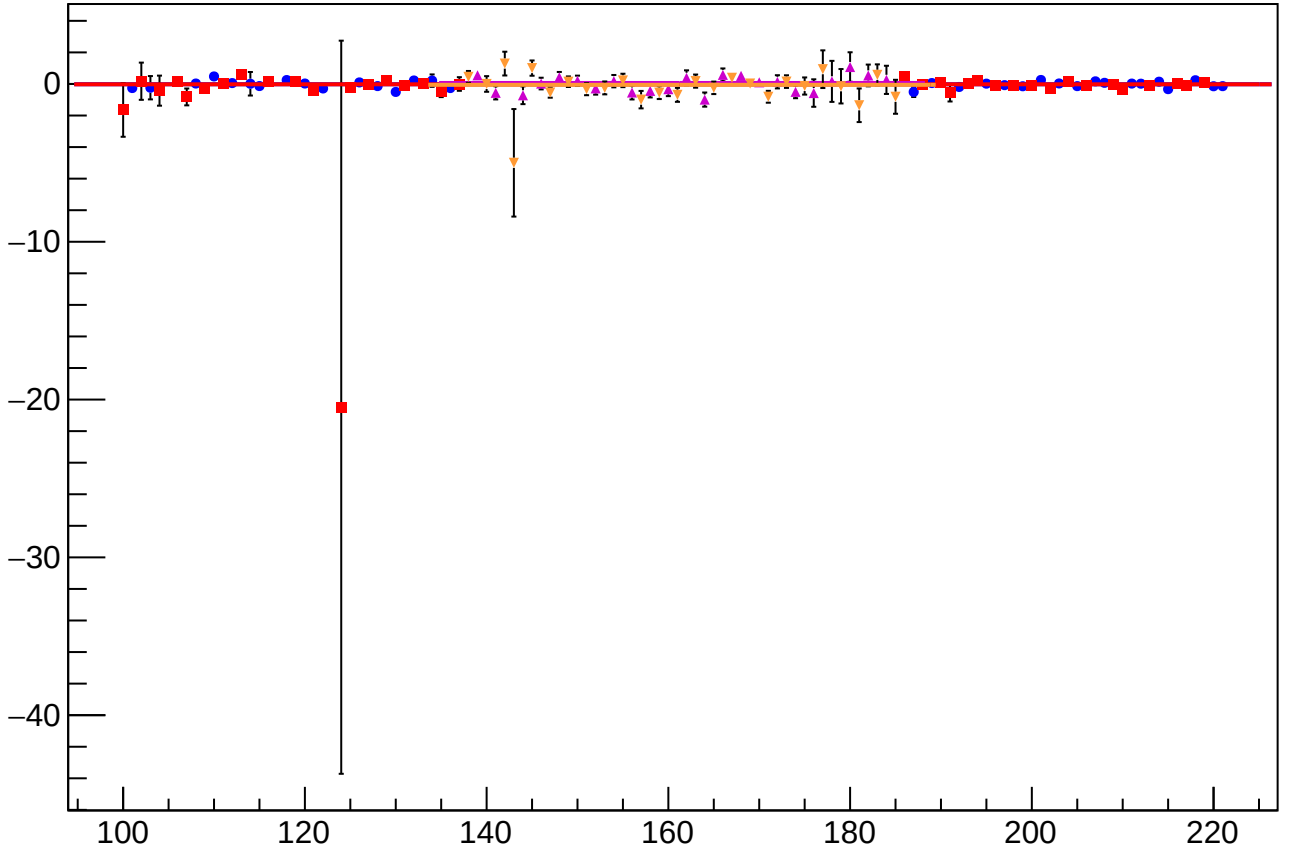
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 64700759.4/57

All: 0.001+/-0.000 χ^2/NDF: 118024955.4/116

\- sign 0.005+/-0.000 χ^2/NDF: 29318466.7/58

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

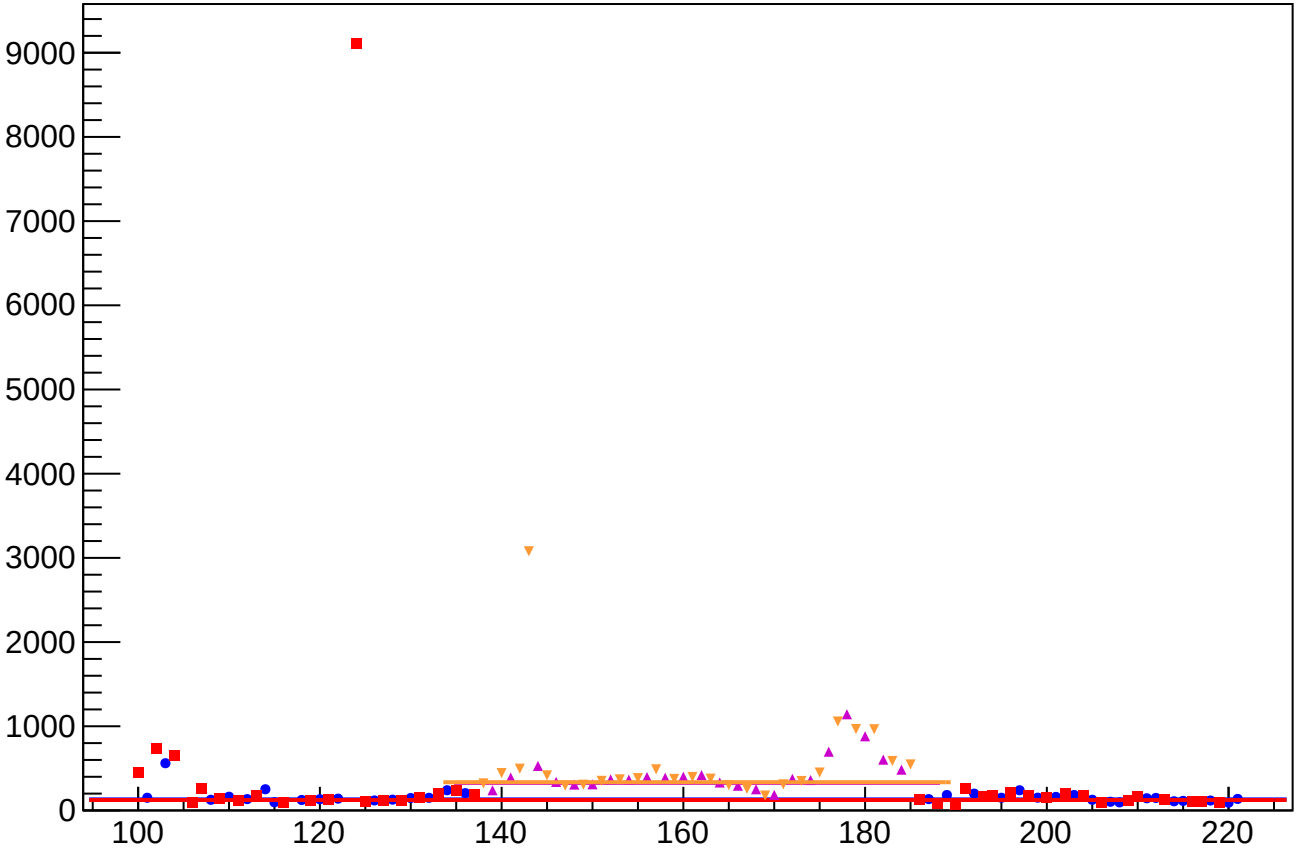
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.017+/-0.020 χ^2/NDF: 141.3/118

- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 131.161+/-0.022 χ^2/NDF: 2832645.6/33

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

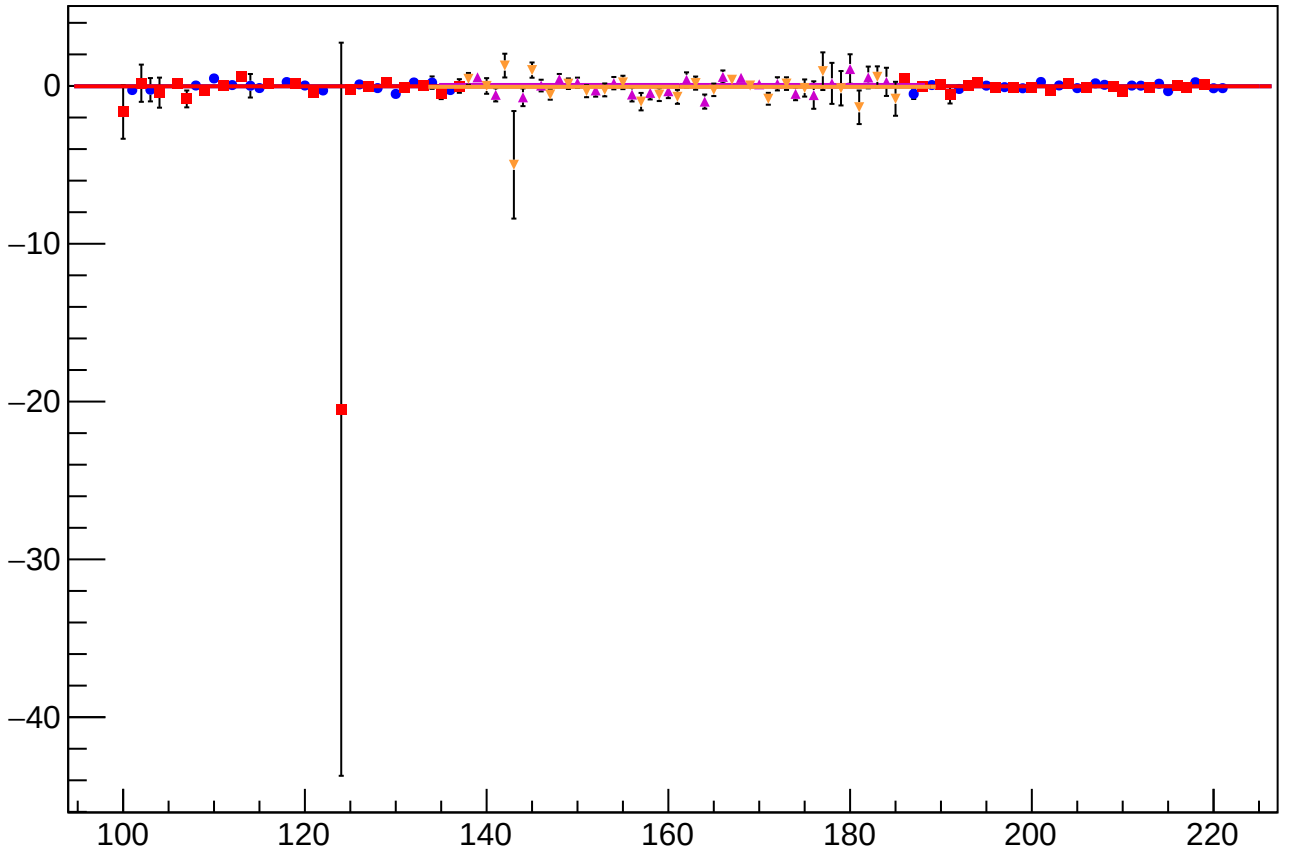
Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 154.576+/-0.020 χ^2/NDF: 18977410.5/58

All: 151.215+/-0.014 χ^2/NDF: 38388366.9/11

- sign 147.957+/-0.020 χ^2/NDF: 19356811.4/59



Right In: -0.018+/-0.030 χ^2/NDF: 41.6/33

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

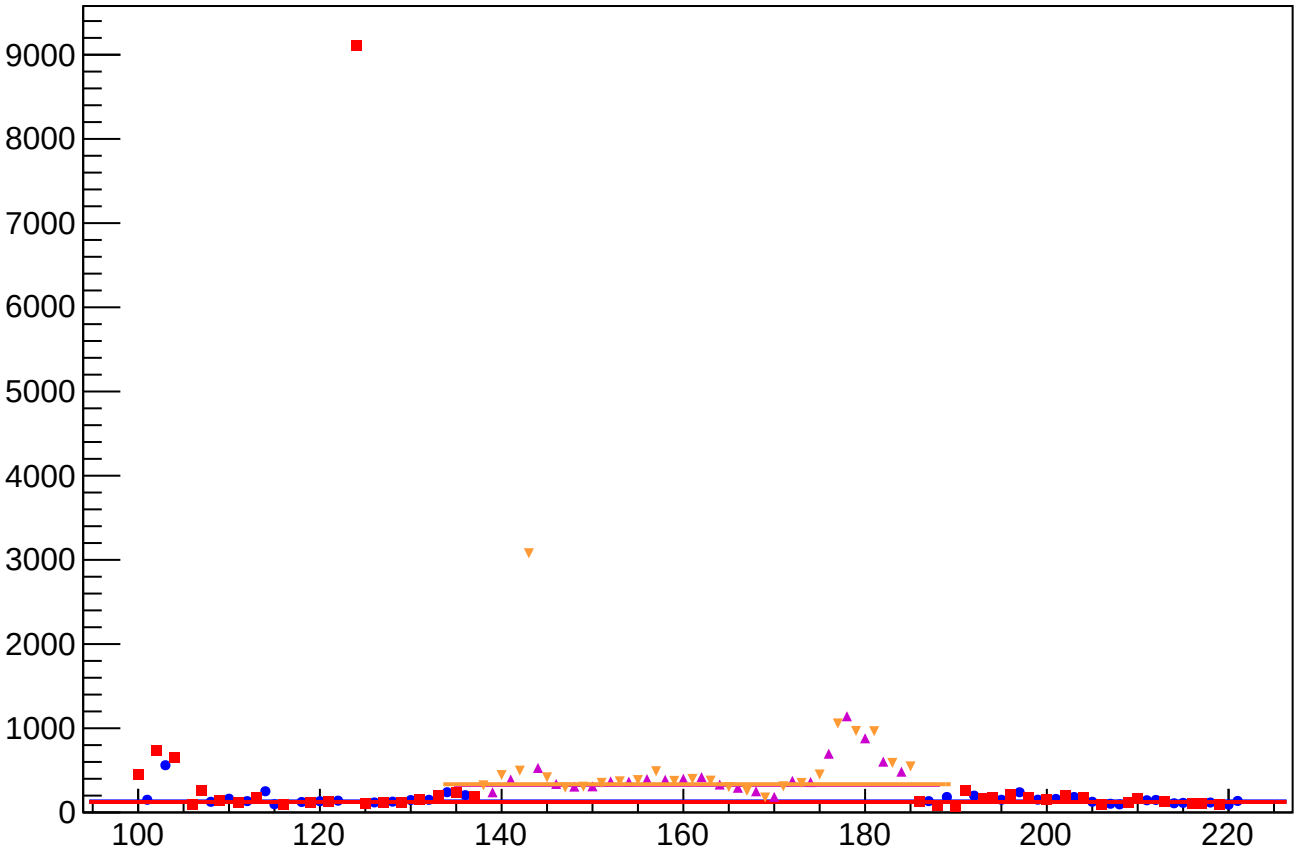
Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.029 χ^2/NDF: 74.9/58

All: -0.017+/-0.020 χ^2/NDF: 141.3/118

- sign -0.012+/-0.028 χ^2/NDF: 66.3/59



Right In: 131.161+/-0.022 χ^2/NDF: 2832645.6/33

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

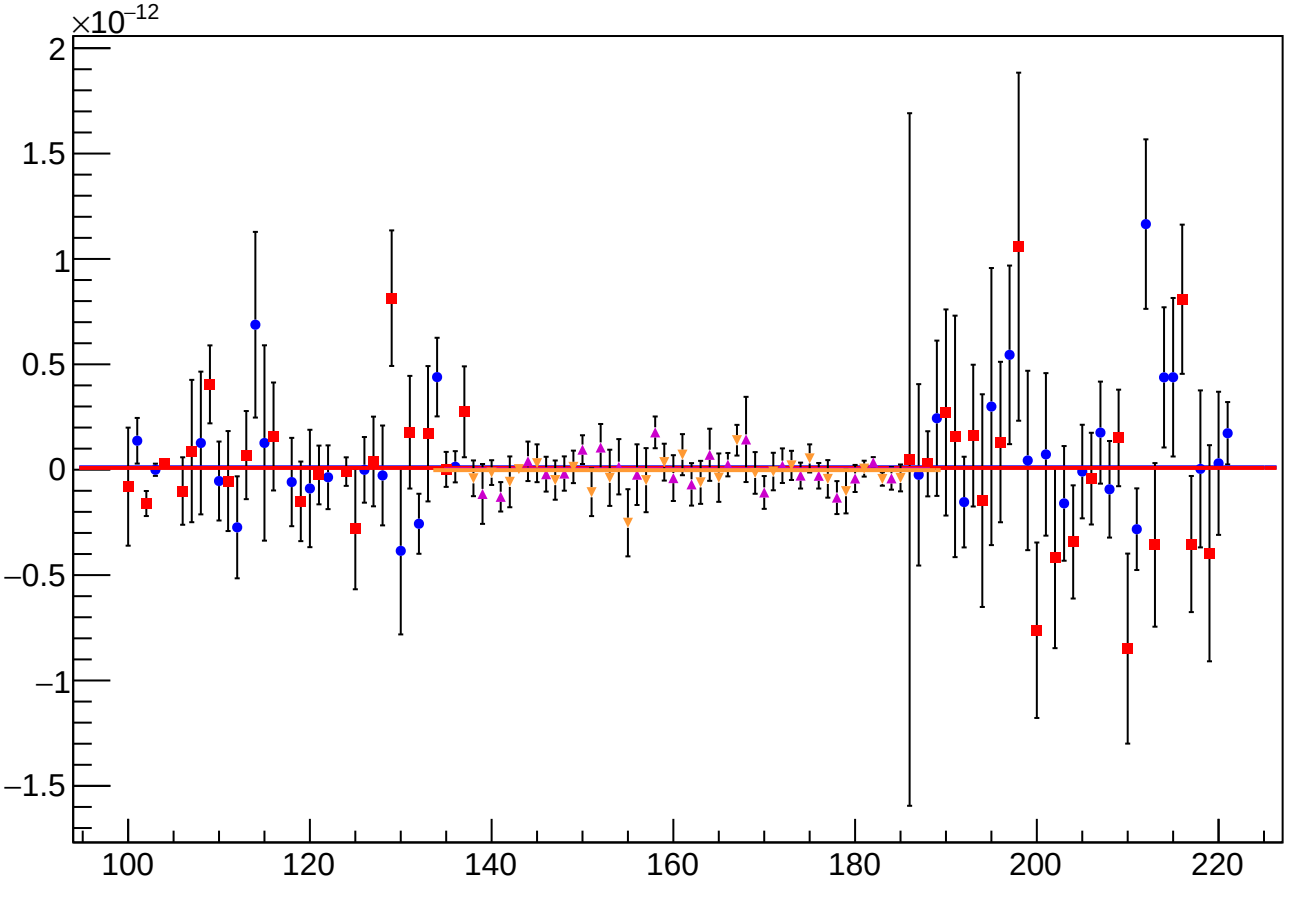
Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 154.576+/-0.020 χ^2/NDF: 18977410.5/58

All: 151.215+/-0.014 χ^2/NDF: 38388366.9/11

- sign 147.957+/-0.020 χ^2/NDF: 19356811.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.6/36

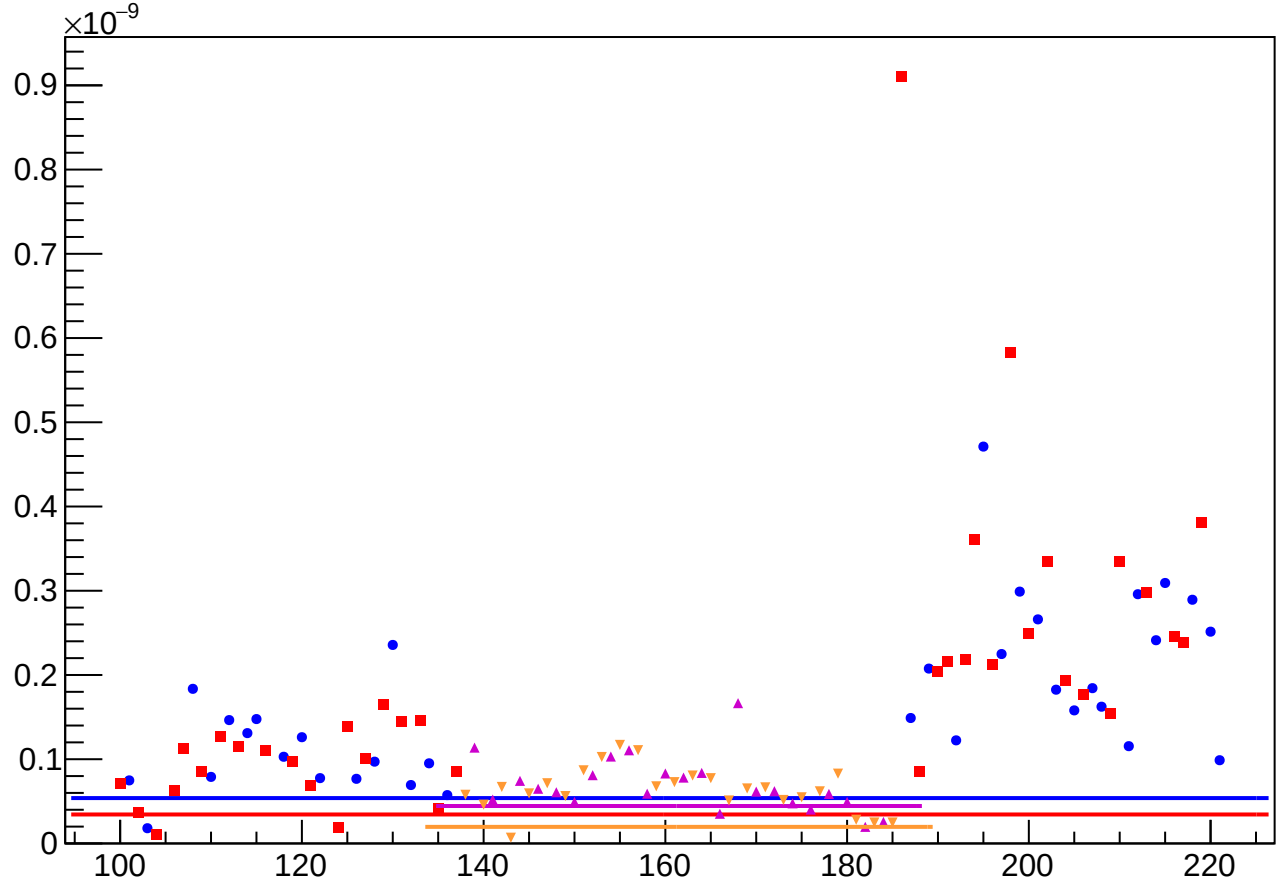
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.2/58

All: 0.000+/-0.000 χ^2/NDF: 116.5/118

- sign 0.000+/-0.000 χ^2/NDF: 68.1/59

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13956787.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17053704.4/36

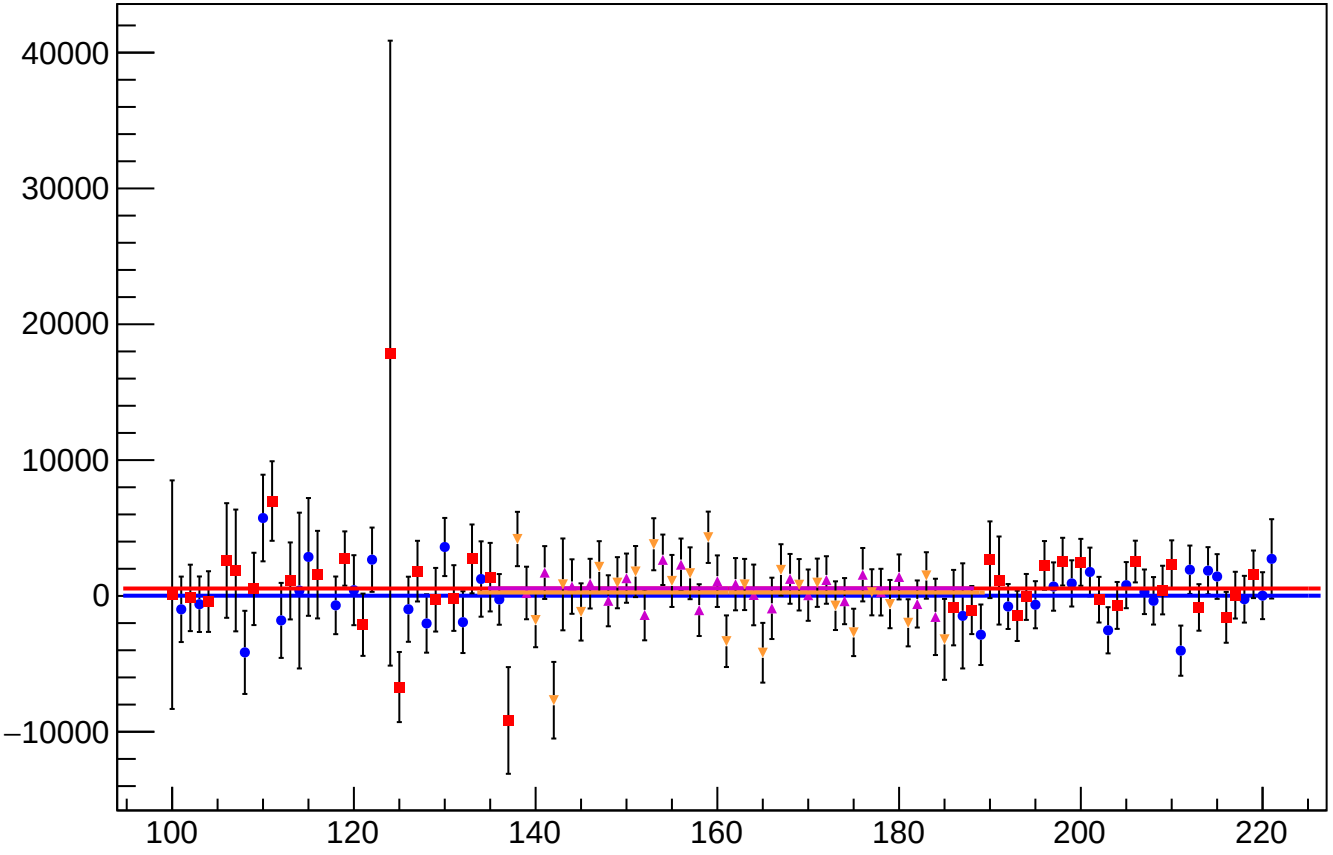
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 32916505.5/58

All: 0.000+/-0.000 χ^2/NDF: 59333948.9/118

- sign 0.000+/-0.000 χ^2/NDF: 23359123.9/59

reg_asym_atl_dd_mean vs Slug



Right In: 17.015+/-352.839 χ^2/NDF: 27.2/33

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 546.599+/-357.889 χ^2/NDF: 36.3/36

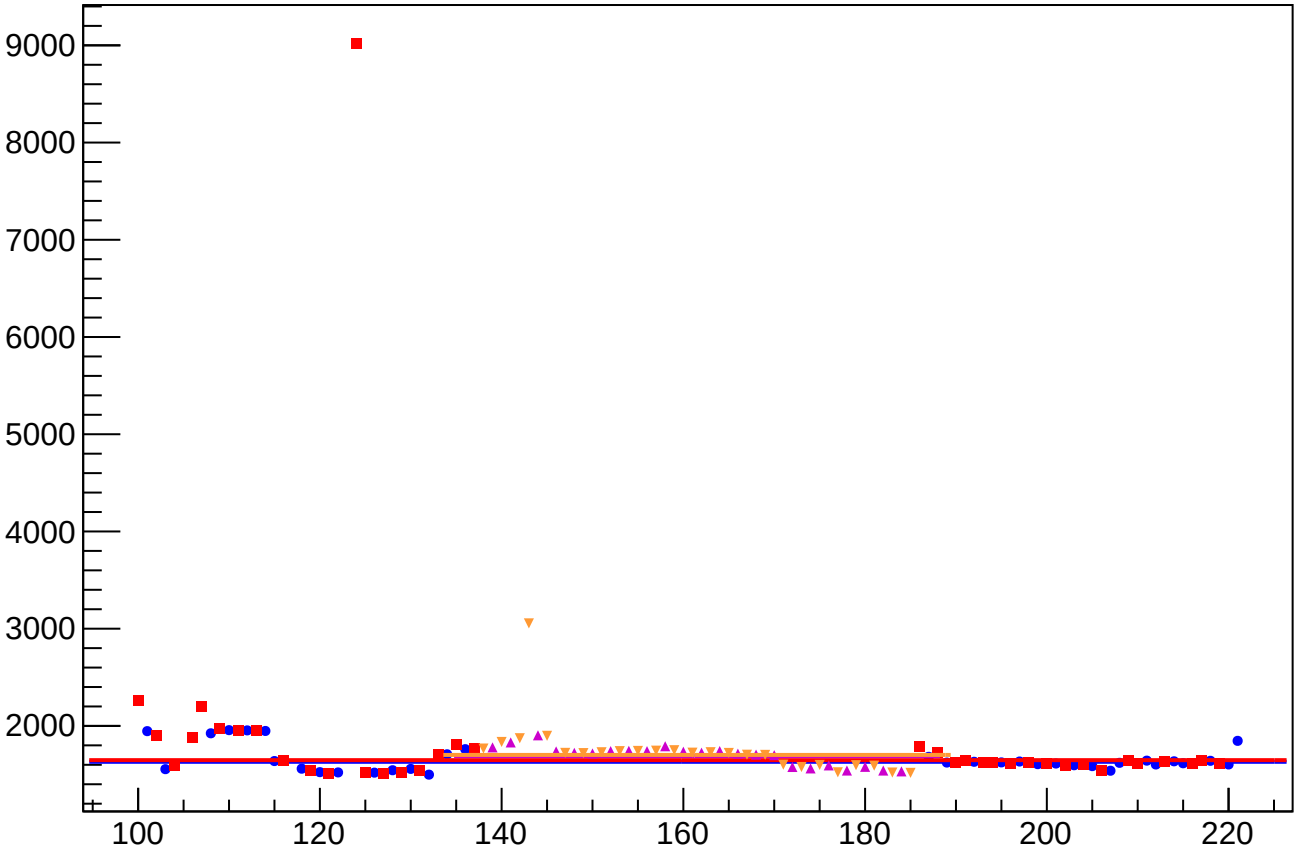
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 121.431+/-261.294 χ^2/NDF: 67.0/58

All: 333.792+/-186.146 χ^2/NDF: 112.2/118

- sign 552.637+/-265.252 χ^2/NDF: 43.8/59

reg_asym_atl_dd_rms vs Slug



Right In: 1630.916+/-0.249 χ^2/NDF: 169372.6/33

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1647.784+/-0.253 χ^2/NDF: 424771.5/36

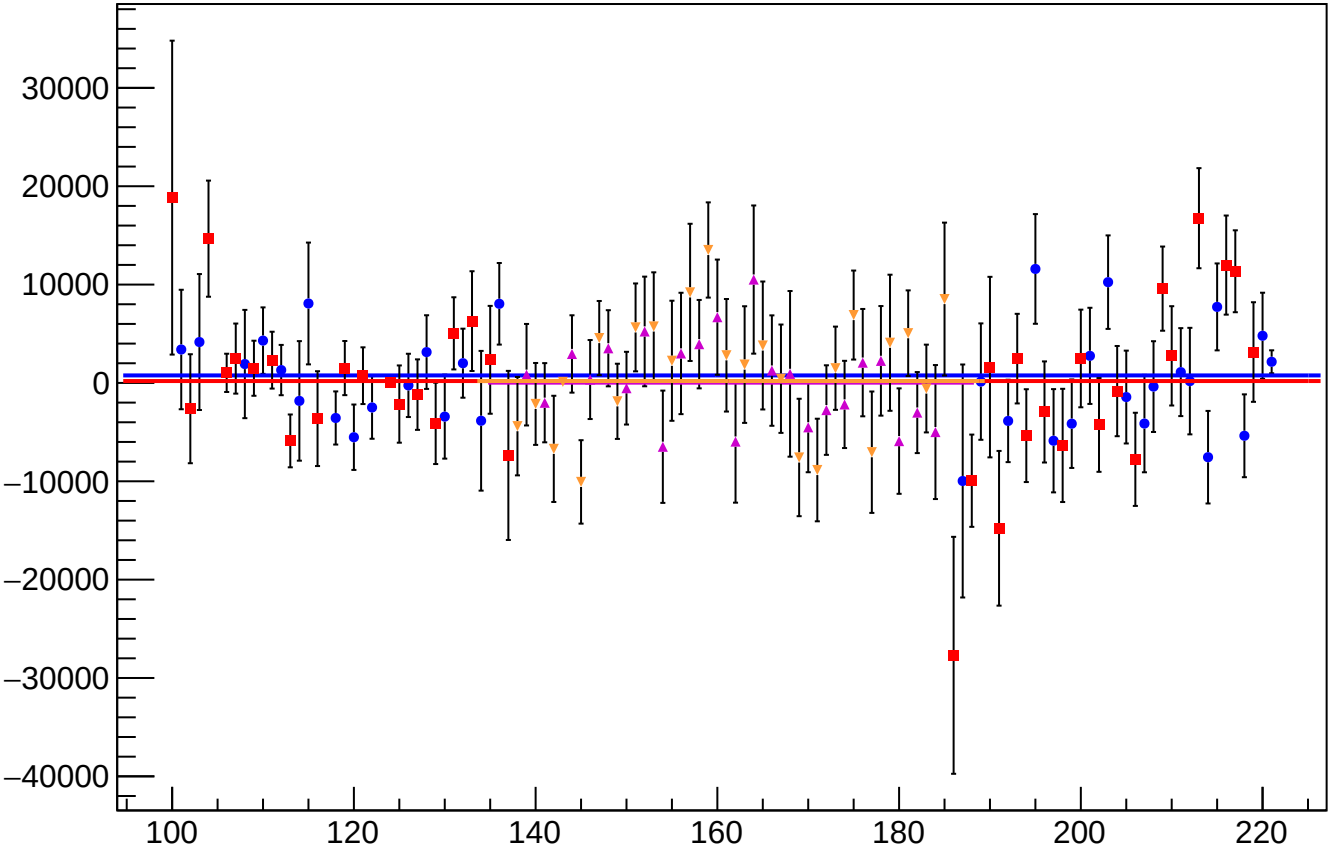
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.829+/-0.185 χ^2/NDF: 657979.8/58

All: 1664.612+/-0.132 χ^2/NDF: 1217379.6/11

- sign 1666.446+/-0.187 χ^2/NDF: 559210.8/59

asym_atl_dd_reg_correction_mean vs Slug



Right In: 764.408+/-628.270 χ^2/NDF: 39.5/33

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 192.101+/-312.660 χ^2/NDF: 70.5/36

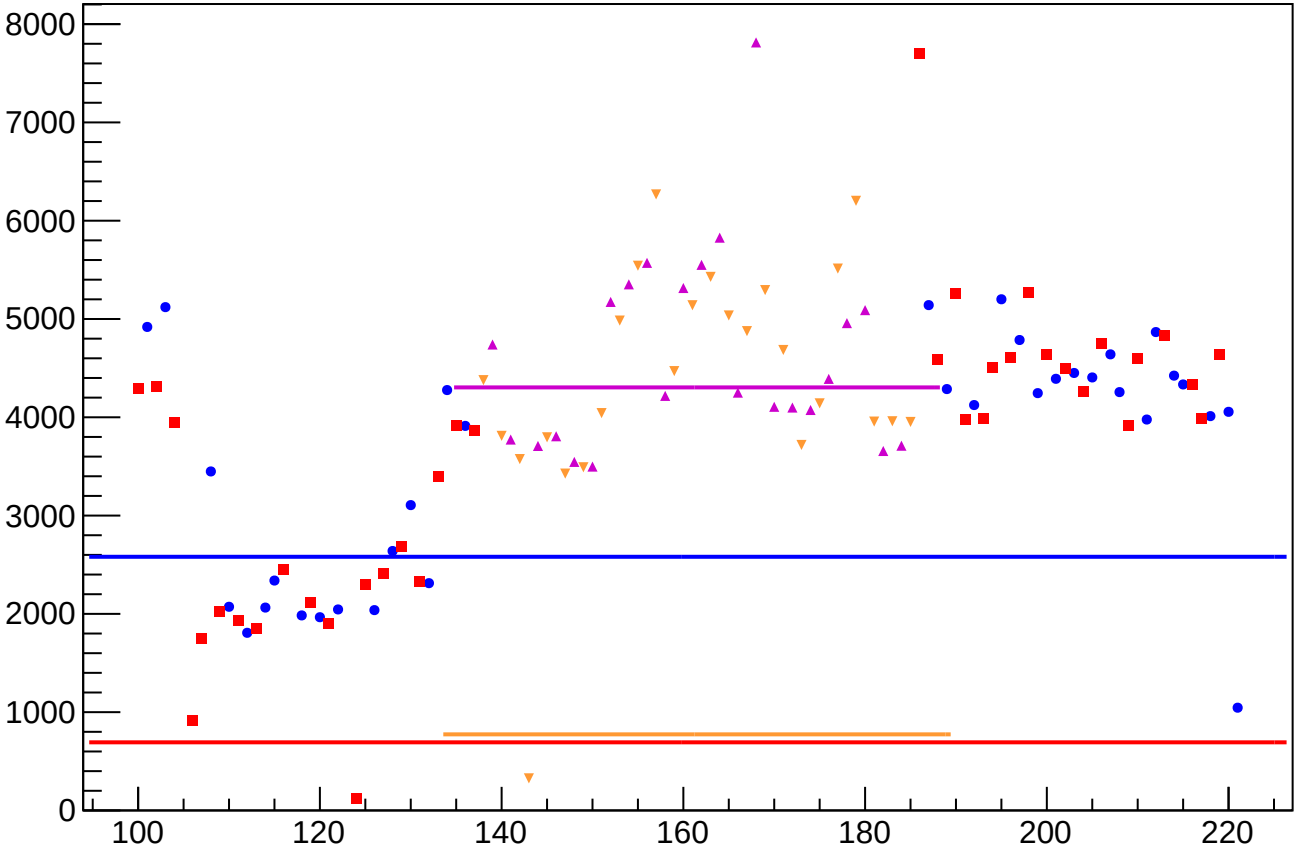
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 324.669+/-301.145 χ^2/NDF: 74.0/58

All: 250.931+/-212.204 χ^2/NDF: 157.9/118

- sign 178.206+/-299.069 χ^2/NDF: 83.8/59

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2580.803+/-0.444 χ^2/NDF: 9680338.3/33

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 693.091+/-0.221 χ^2/NDF: 32541297.9/36

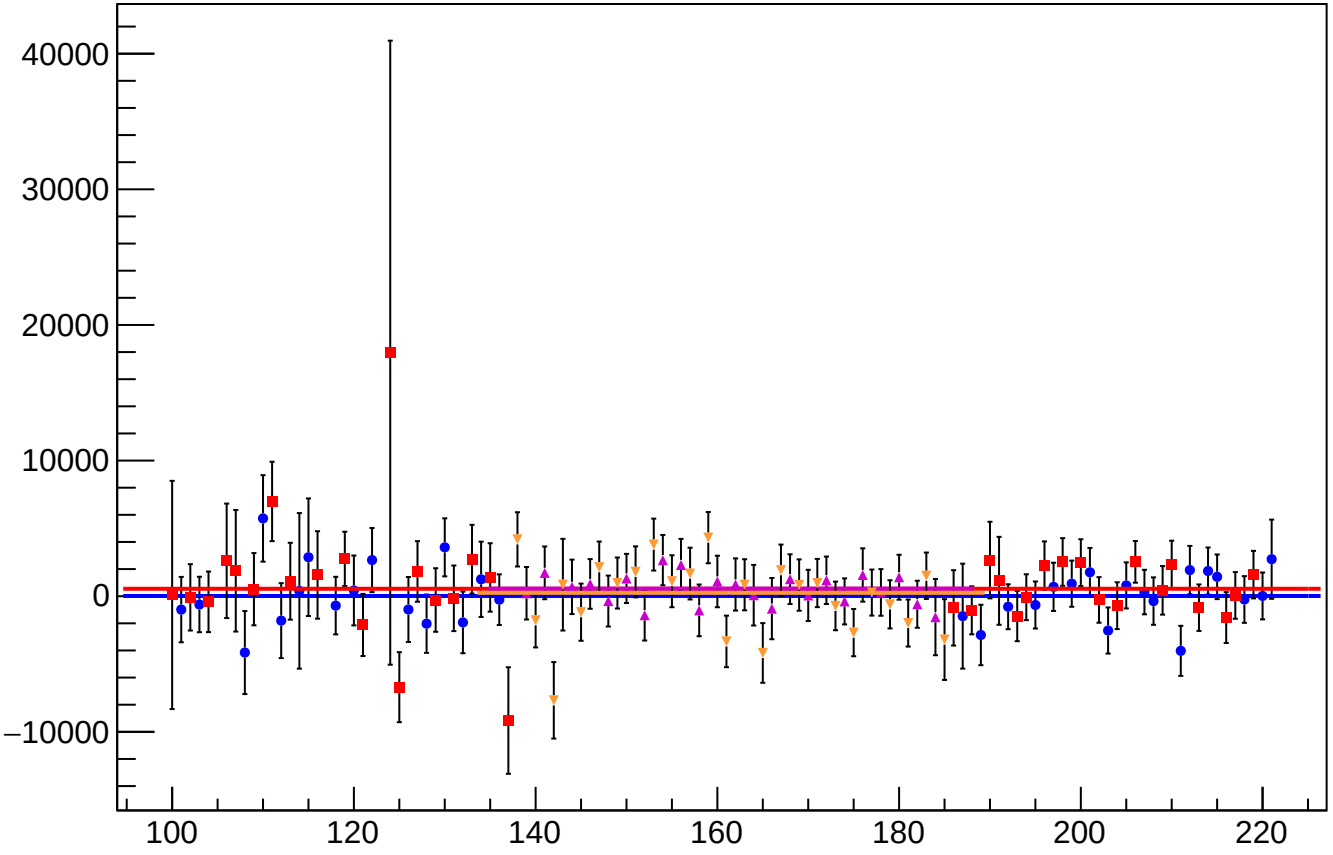
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1189.295+/-0.213 χ^2/NDF: 50503237.6/58

All: 1094.097+/-0.150 χ^2/NDF: 107346581.9

- sign 1000.208+/-0.211 χ^2/NDF: 56446367.5/59

cor_asym_atl_dd_mean vs Slug



Right In: 17.057+/-352.839 χ^2/NDF: 27.2/33

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 547.978+/-357.890 χ^2/NDF: 36.3/36

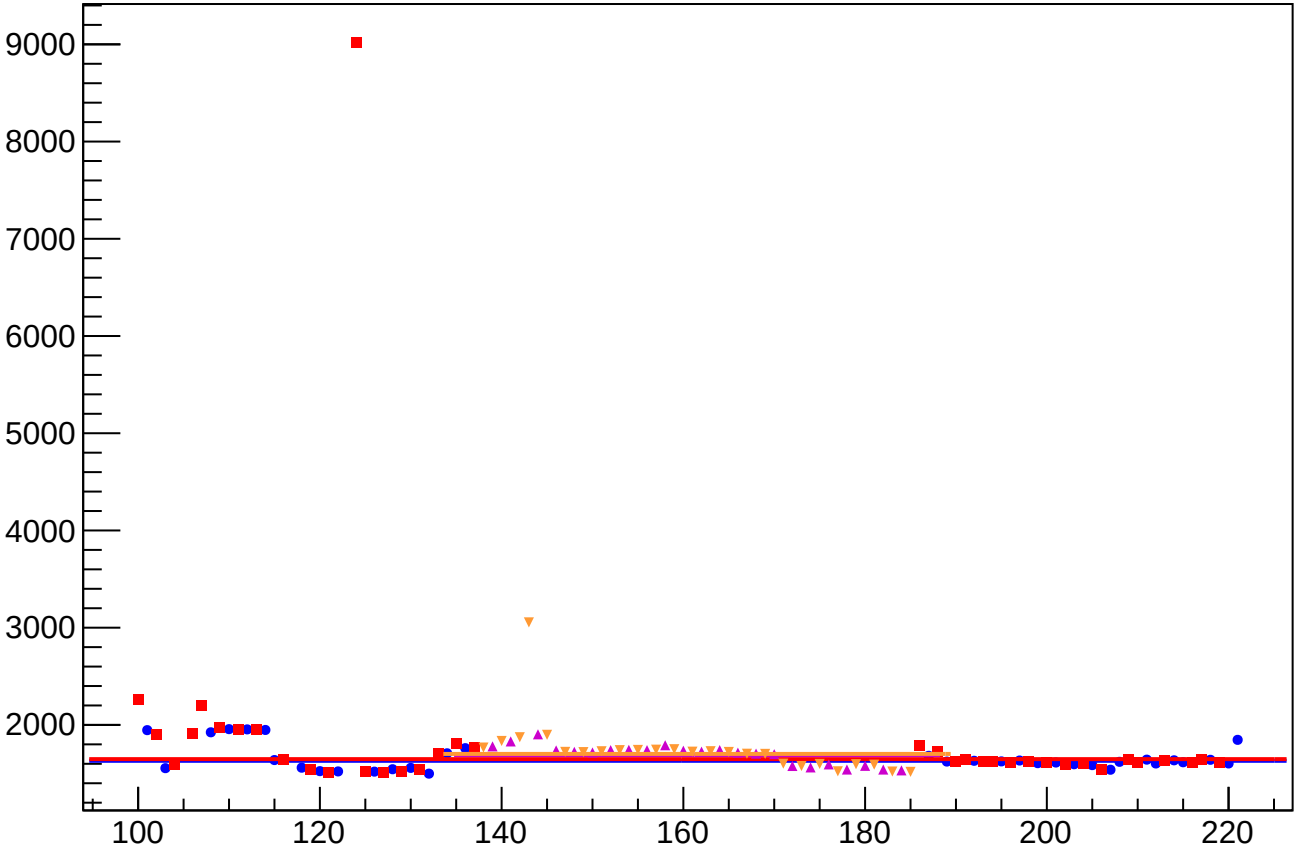
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 121.446+/-261.294 χ^2/NDF: 67.0/58

All: 334.165+/-186.146 χ^2/NDF: 112.2/118

- sign 553.378+/-265.252 χ^2/NDF: 43.8/59

cor_asym_atl_dd_rms vs Slug



Right In: 1630.916+/-0.249 χ^2/NDF: 169372.6/33

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

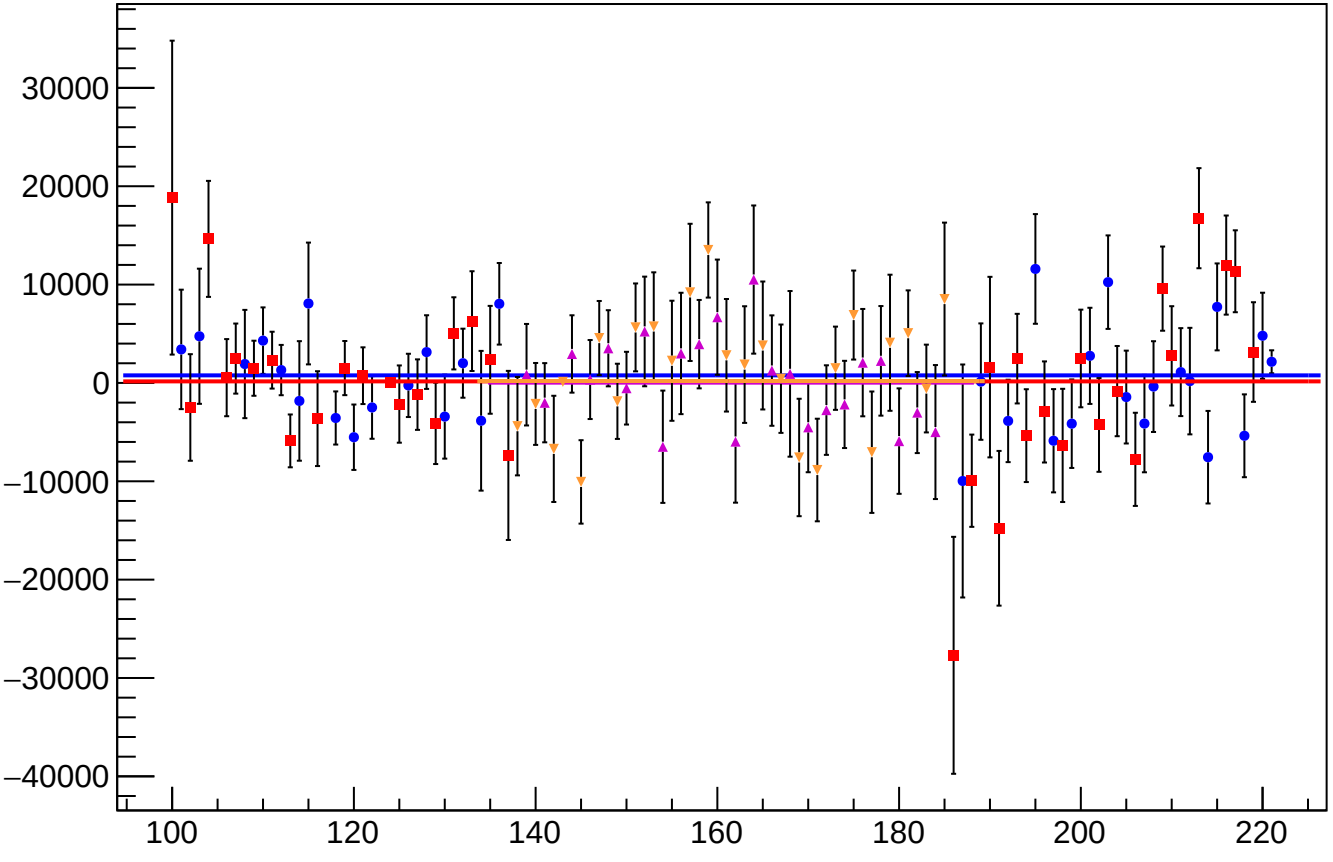
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.829+/-0.185 χ^2/NDF: 657979.9/58

All: 1664.678+/-0.132 χ^2/NDF: 1219383.4/11

- sign 1666.581+/-0.187 χ^2/NDF: 561200.3/59

asym_atl_dd_cor_correction_mean vs Slug



Right In: 769.609+/-628.317 χ^2/NDF: 39.6/33

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 157.873+/-305.473 χ^2/NDF: 70.3/36

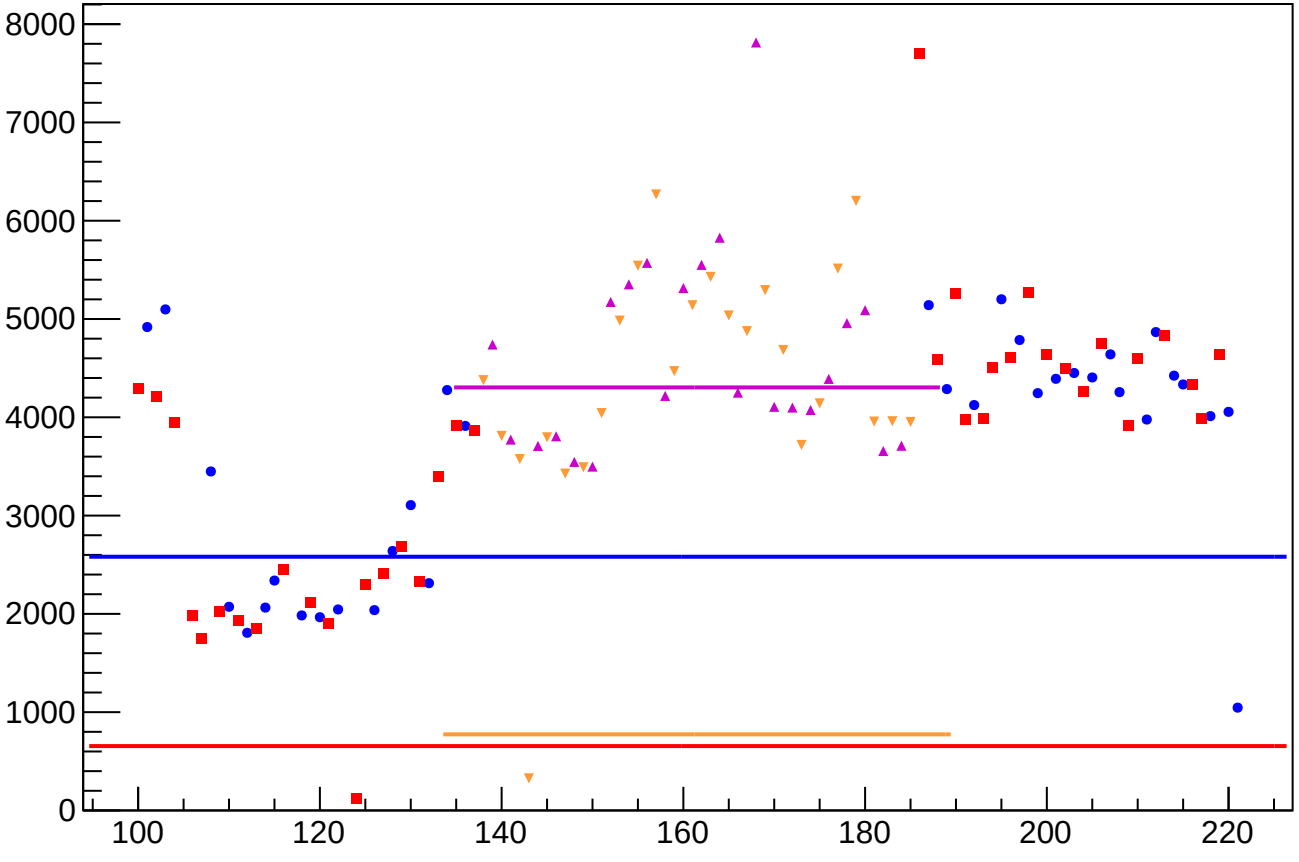
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 326.153+/-301.134 χ^2/NDF: 74.1/58

All: 234.231+/-209.911 χ^2/NDF: 157.9/118

- sign 147.351+/-292.760 χ^2/NDF: 83.6/59

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2581.421+/-0.444 χ^2/NDF: 9672816.1/33

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

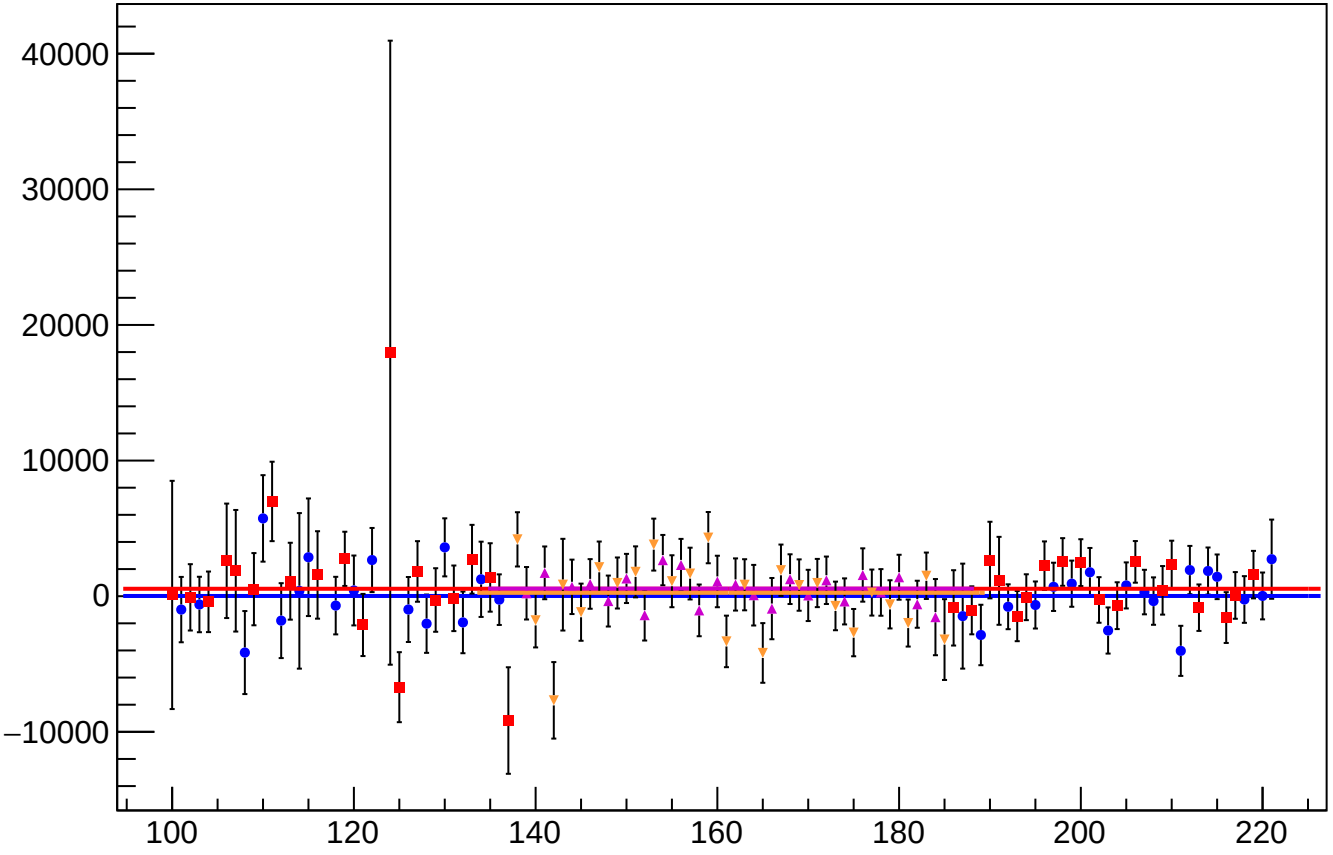
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1189.276+/-0.213 χ^2/NDF: 50505509.3/58

All: 1067.423+/-0.148 χ^2/NDF: 108864875.7

- sign 952.252+/-0.207 χ^2/NDF: 57722364.2/59

eigen_cor_asym_atl_dd_mean vs Slug



Right In: 17.057+/-352.839 χ^2/NDF: 27.2/33

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 547.978+/-357.890 χ^2/NDF: 36.3/36

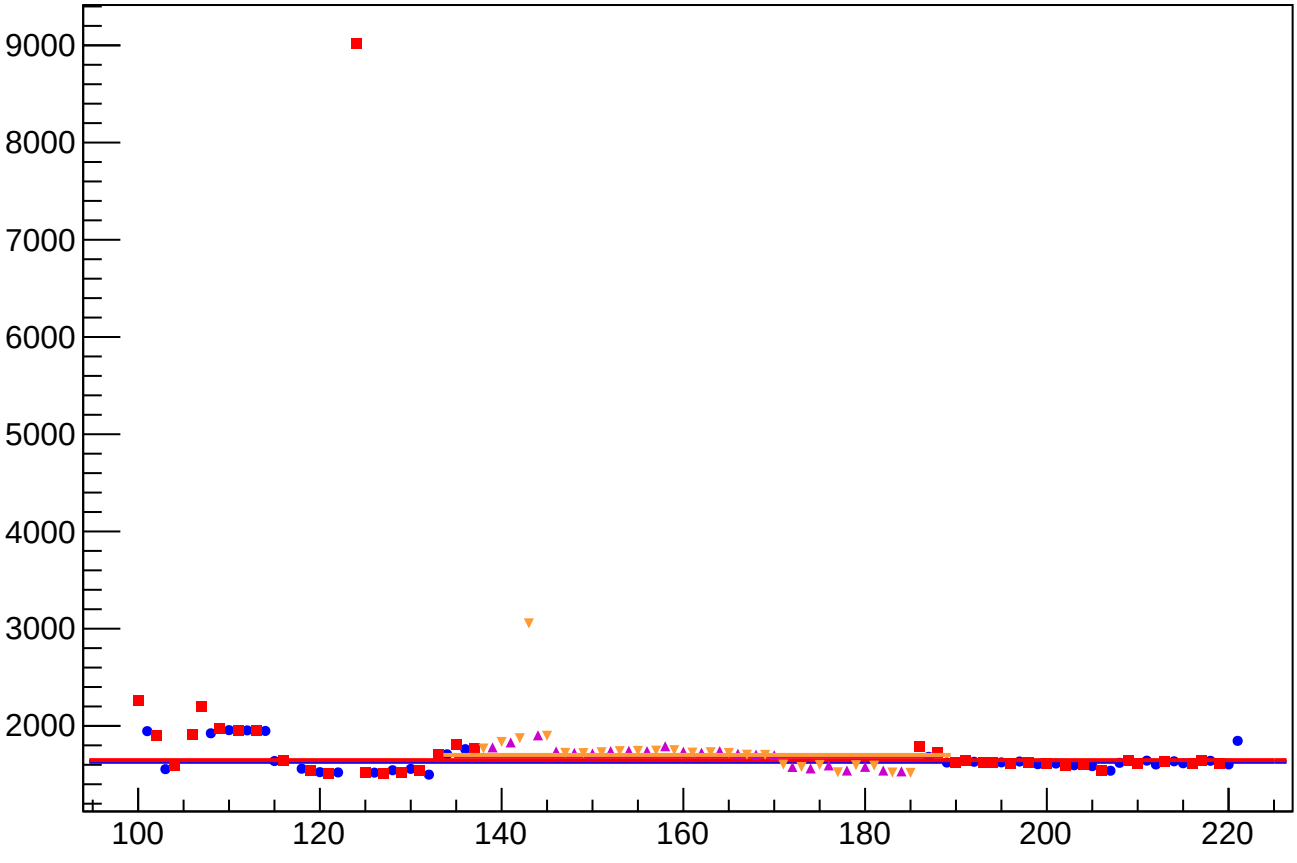
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 121.446+/-261.294 χ^2/NDF: 67.0/58

All: 334.165+/-186.146 χ^2/NDF: 112.2/118

- sign 553.378+/-265.252 χ^2/NDF: 43.8/59

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1630.916+/-0.249 χ^2/NDF: 169372.6/33

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

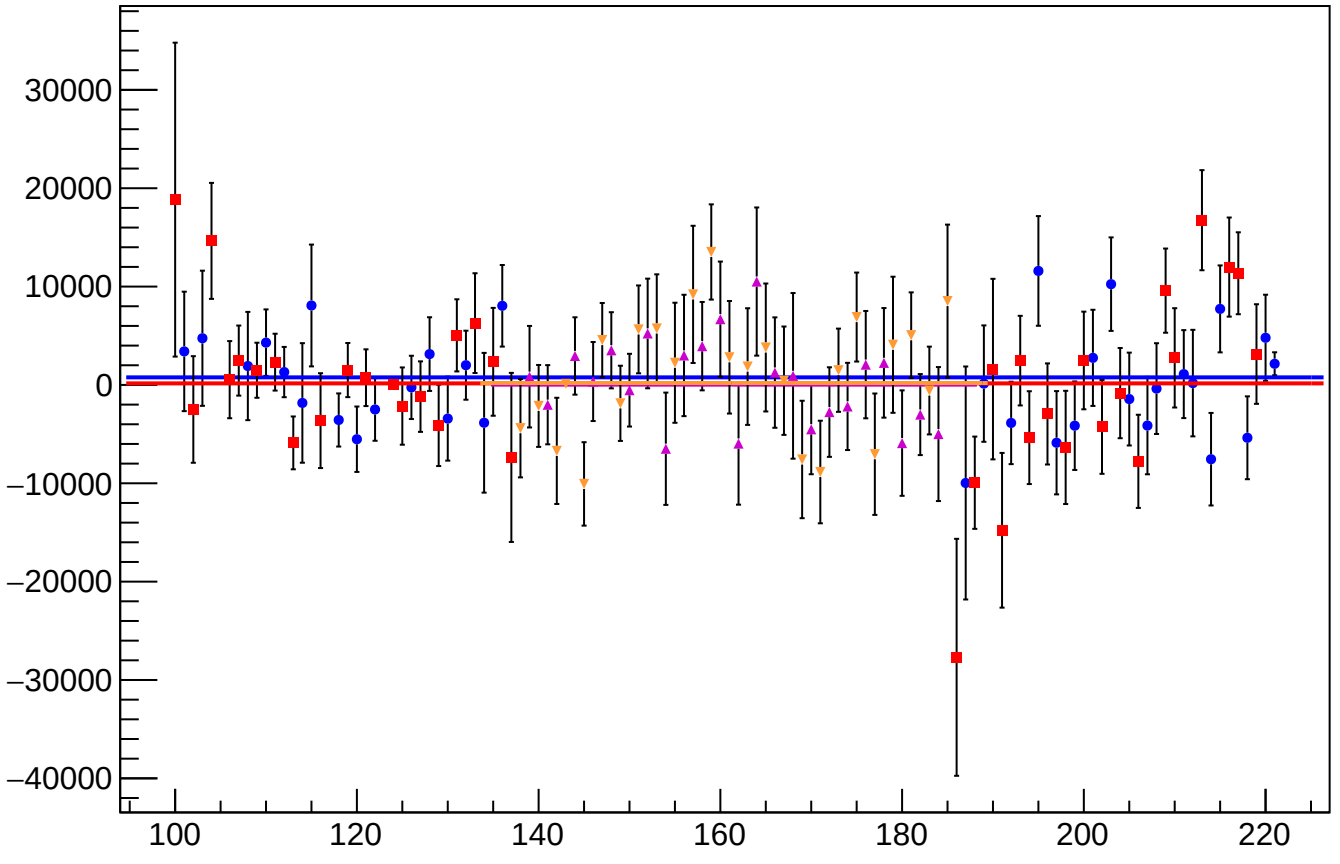
Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1662.829+/-0.185 χ^2/NDF: 657979.9/58

All: 1664.678+/-0.132 χ^2/NDF: 1219383.4/11

- sign 1666.581+/-0.187 χ^2/NDF: 561200.3/59



Right In: 769.609+/-628.317 χ^2/NDF: 39.6/33

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 157.873+/-305.473 χ^2/NDF: 70.3/36

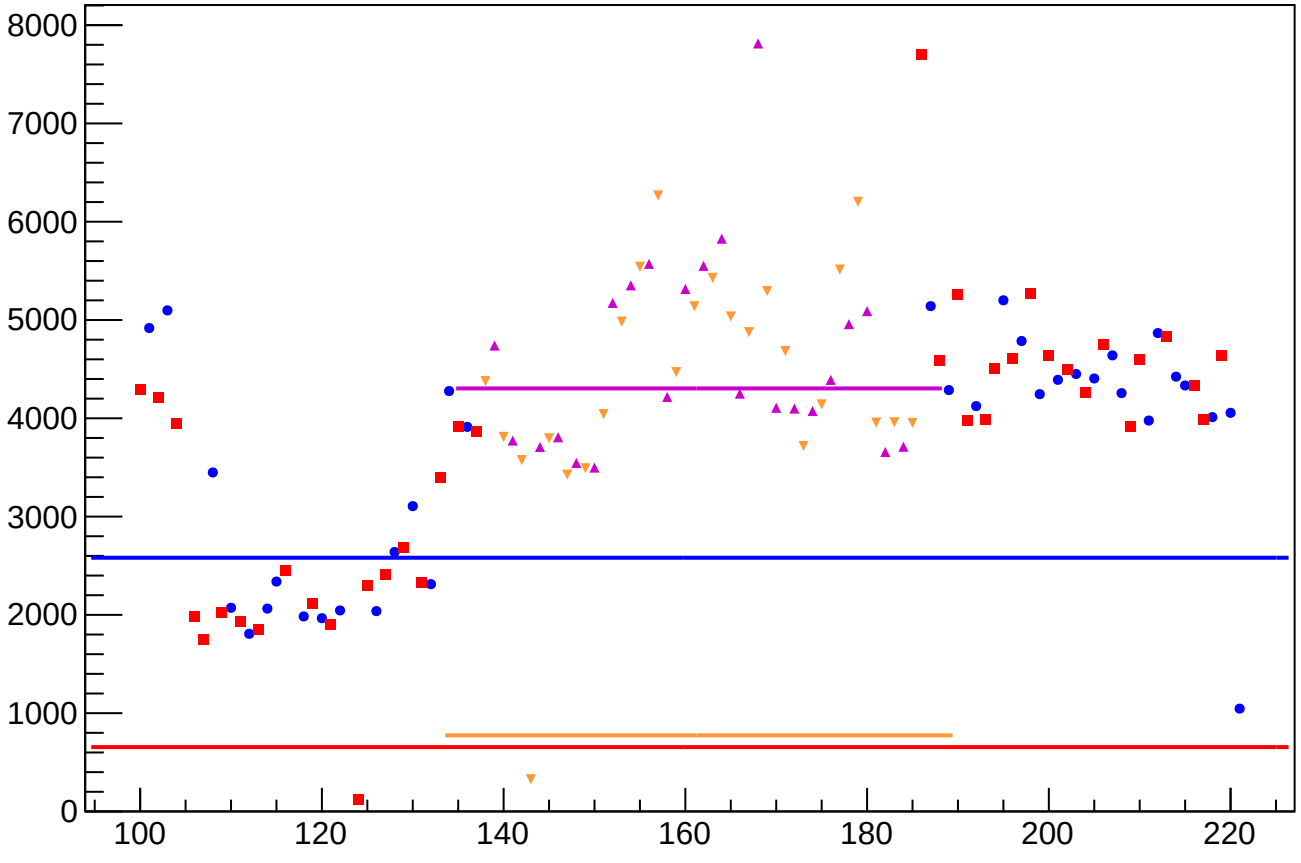
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

\+ sign 326.153+/-301.134 χ^2/NDF: 74.1/58

All: 234.231+/-209.911 χ^2/NDF: 157.9/118

\- sign 147.351+/-292.760 χ^2/NDF: 83.6/59

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2581.421+/-0.444 χ^2/NDF: 9672816.1/33

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

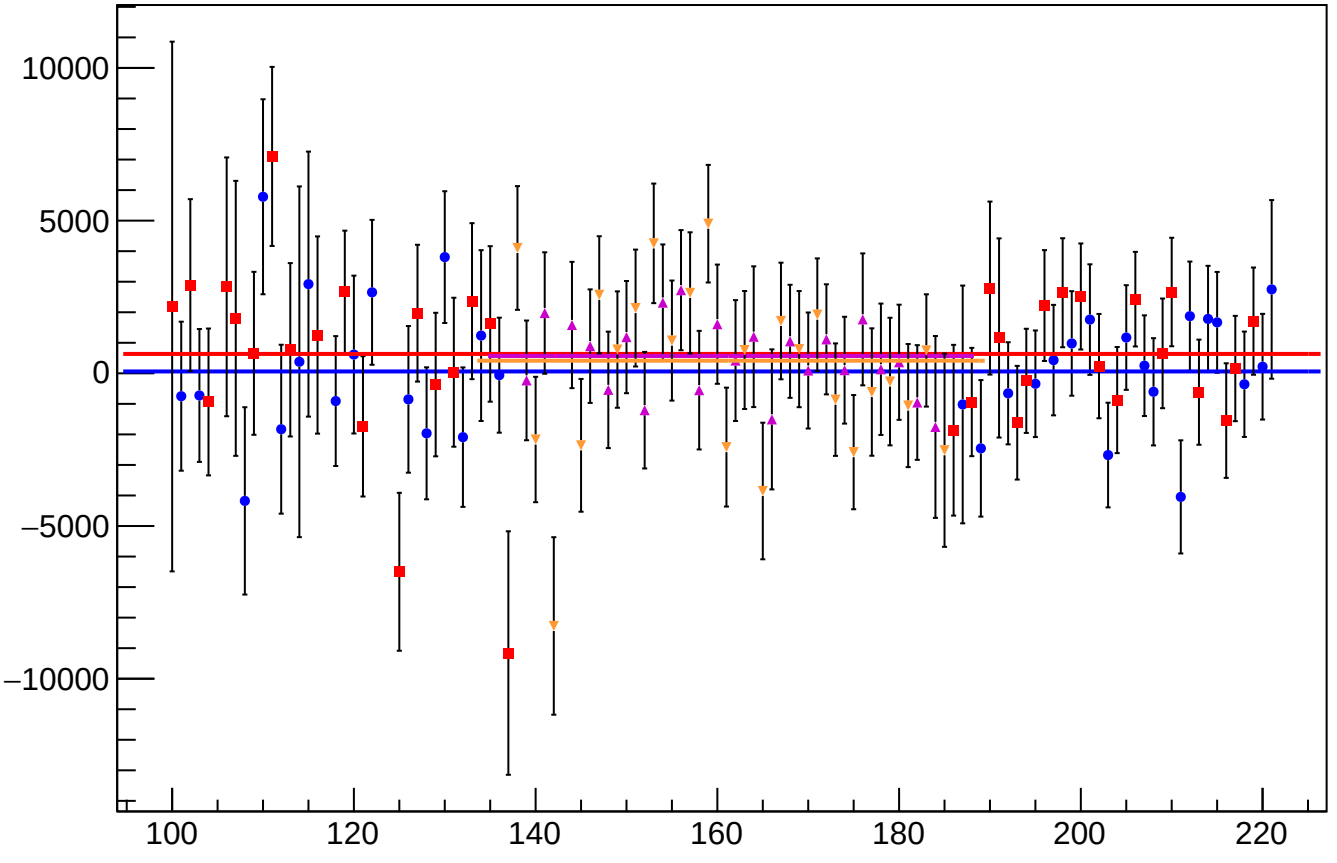
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1189.276+/-0.213 χ^2/NDF: 50505509.3/58

All: 1067.423+/-0.148 χ^2/NDF: 108864875.7

- sign 952.252+/-0.207 χ^2/NDF: 57722364.2/59

dit_asym_atl_dd_mean vs Slug



Right In: 61.565+/-355.414 χ^2/NDF: 27.5/33

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 635.157+/-361.594 χ^2/NDF: 36.2/35

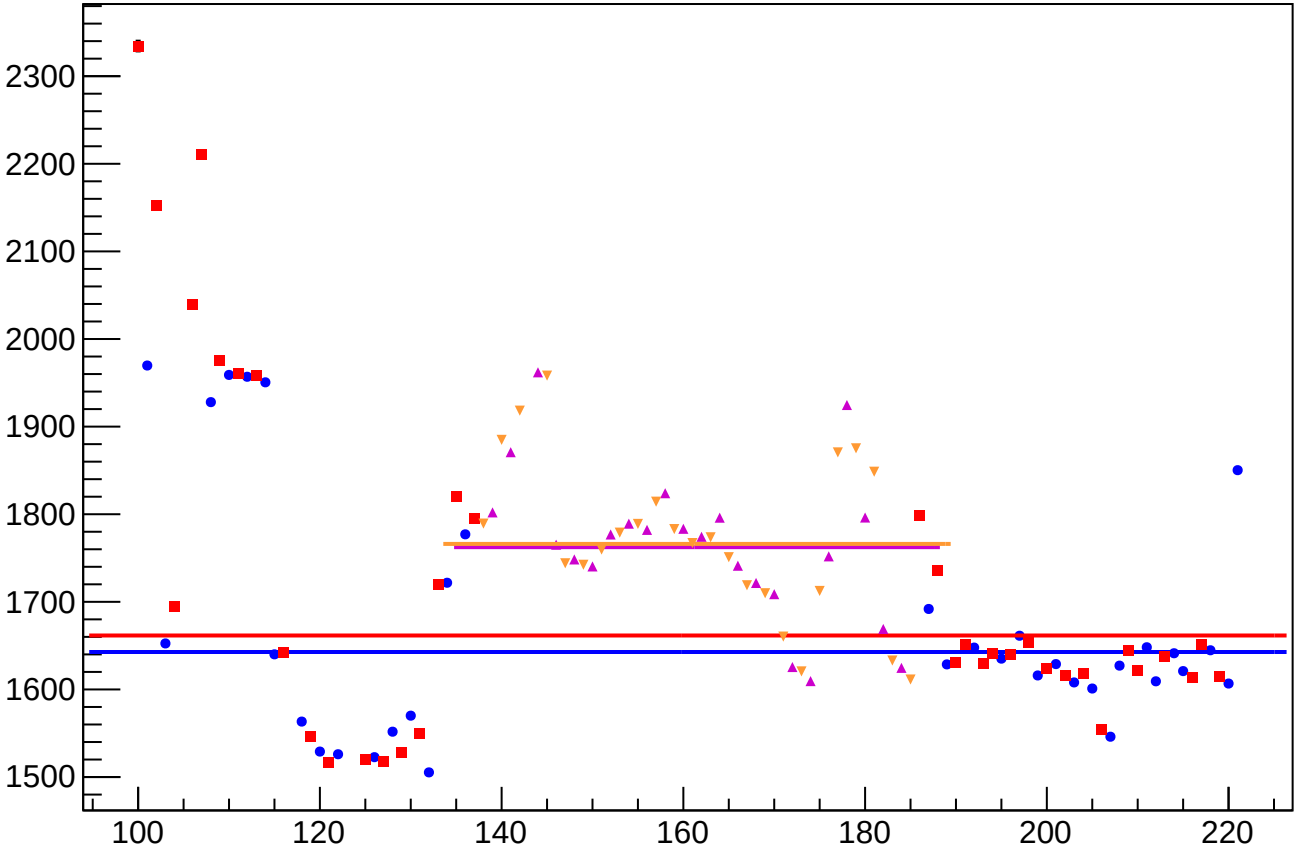
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 212.254+/-268.707 χ^2/NDF: 67.9/57

All: 407.033+/-191.083 χ^2/NDF: 112.9/116

\- sign 606.298+/-271.784 χ^2/NDF: 43.9/58

dit_asym_atl_dd_rms vs Slug



Right In: 1642.743+/-0.251 χ^2/NDF: 168087.9/33

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270213.6/35

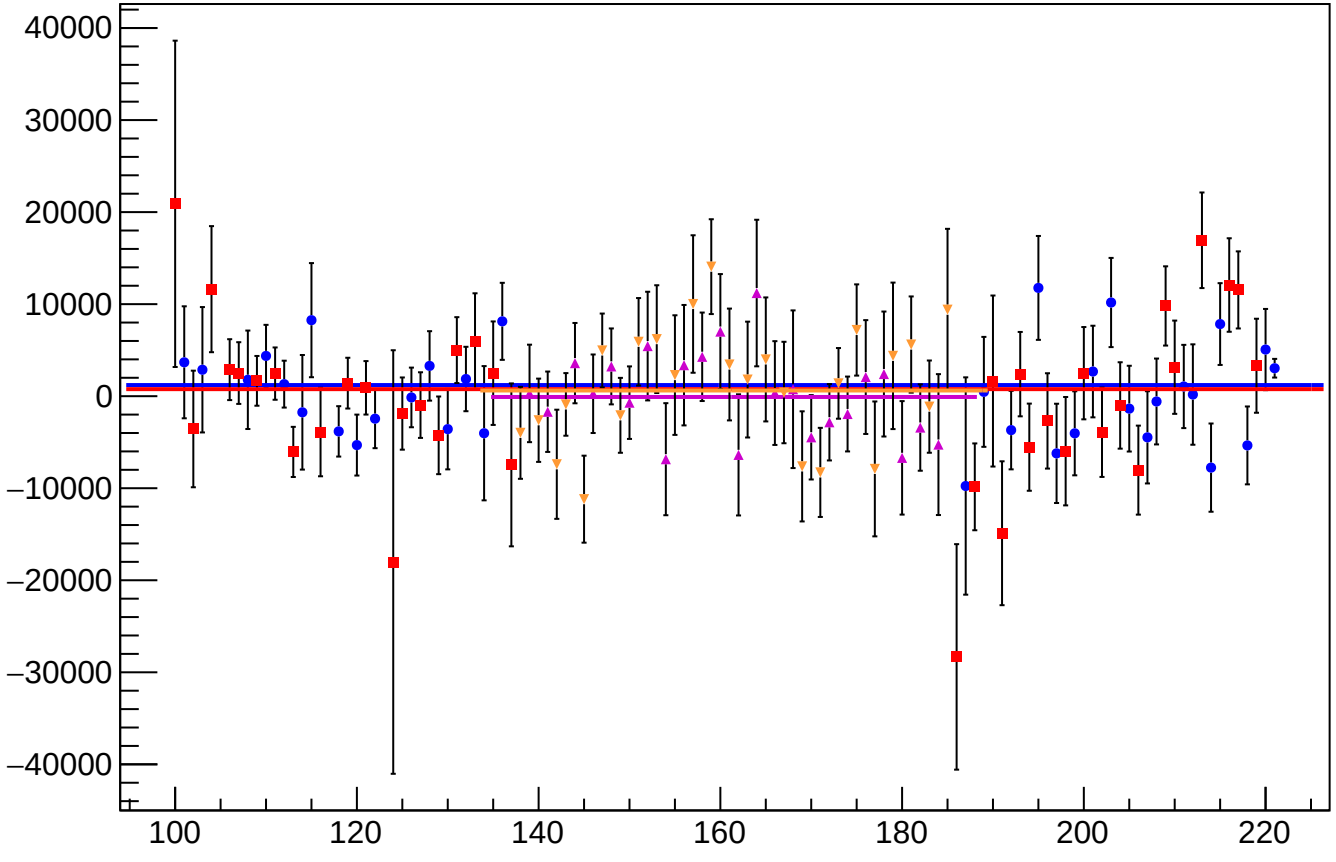
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1695.596+/-0.190 χ^2/NDF: 354580.3/57

All: 1700.450+/-0.135 χ^2/NDF: 773889.9/116

- sign 1705.412+/-0.192 χ^2/NDF: 417990.0/58

asym_atl_dd_dit_correction_mean vs Slug



Right In: 1209.067+/-603.275 χ^2/NDF: 42.5/33

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 765.444+/-715.732 χ^2/NDF: 67.9/36

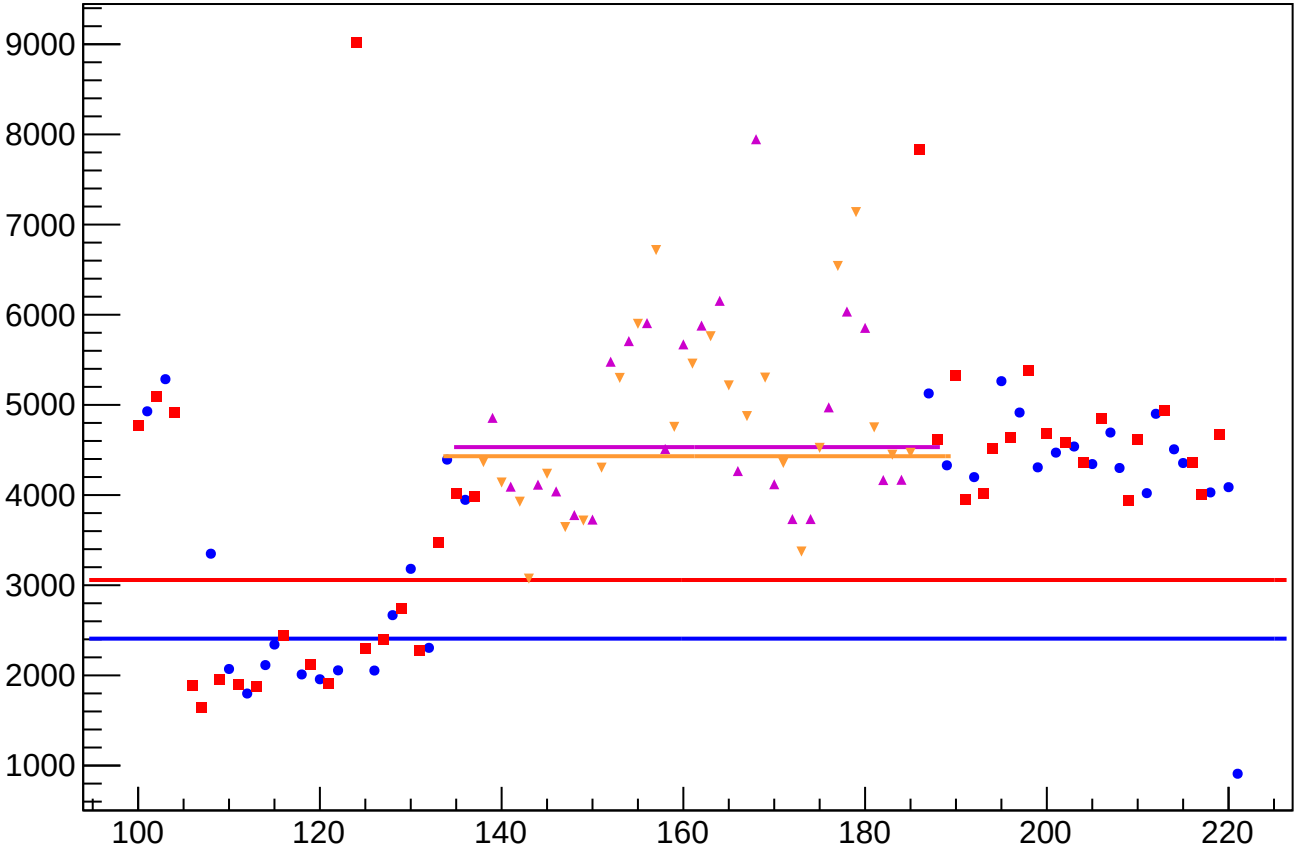
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 1059.527+/-521.157 χ^2/NDF: 75.8/58

All: 820.410+/-392.616 χ^2/NDF: 157.5/118

- sign 506.599+/-597.032 χ^2/NDF: 81.2/59

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2407.544+/-0.427 χ^2/NDF: 11681053.1/33

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

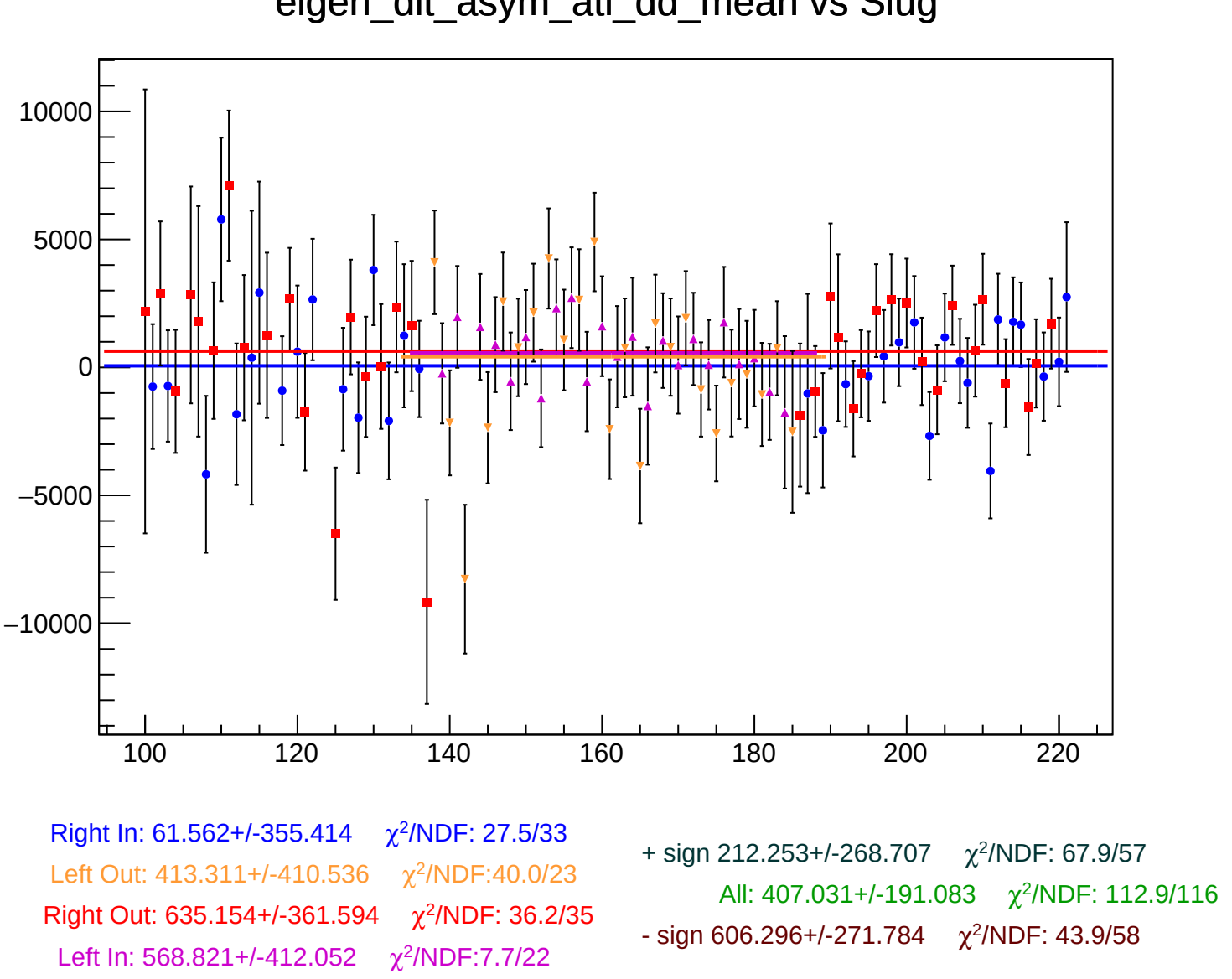
Right Out: 3057.922+/-0.506 χ^2/NDF: 6325657.7/36

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

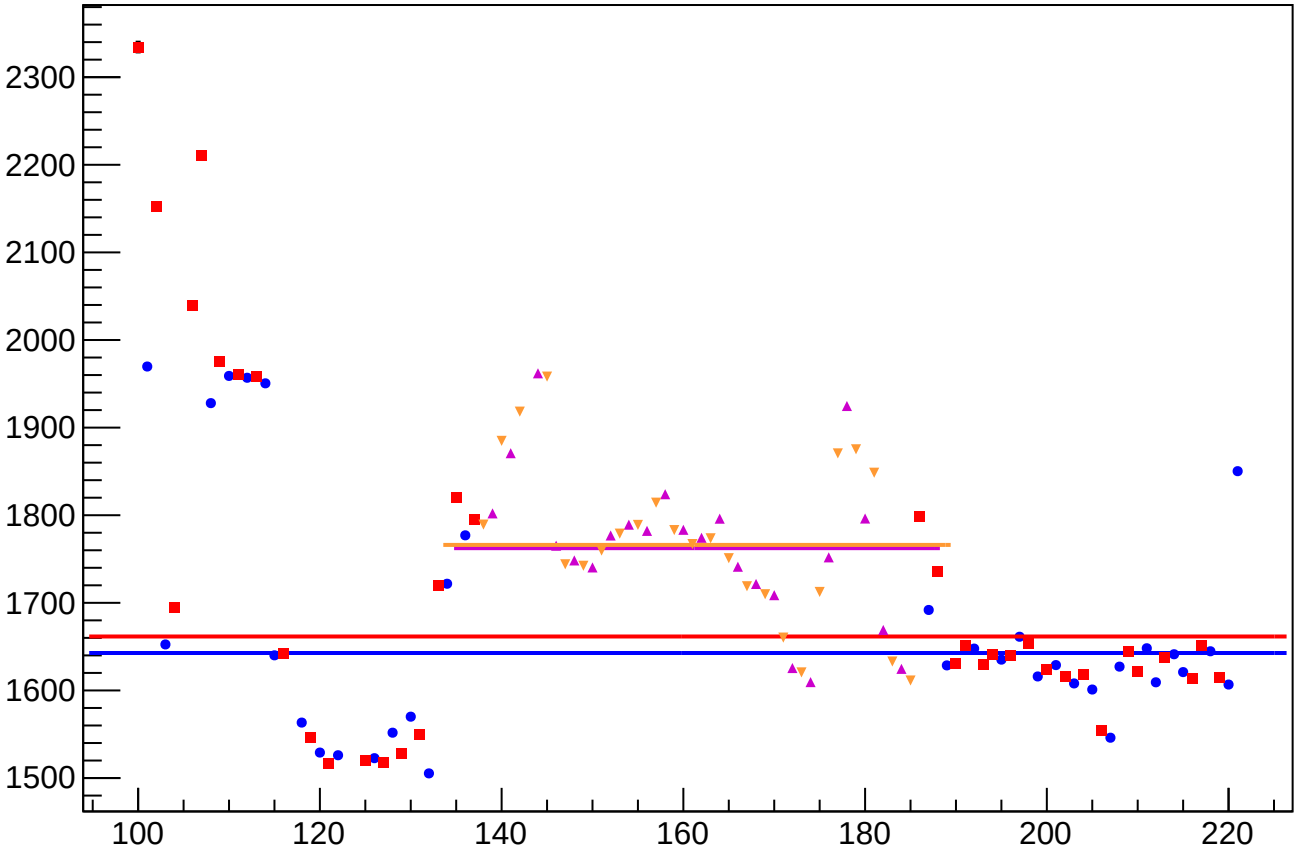
+ sign 2920.870+/-0.369 χ^2/NDF: 19001777.5/58

All: 3174.040+/-0.278 χ^2/NDF: 30375587.5/1

- sign 3506.293+/-0.422 χ^2/NDF: 10282434.8/59


eigen_dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 61.562+/-355.414 χ²/NDF: 27.5/33
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: 635.154+/-361.594 χ²/NDF: 36.2/35
Left In: 568.821+/-412.052 χ²/NDF:7.7/22
+ sign 212.253+/-268.707 χ²/NDF: 67.9/57
All: 407.031+/-191.083 χ²/NDF: 112.9/116
- sign 606.296+/-271.784 χ²/NDF: 43.9/58

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1642.743+/-0.251 χ^2/NDF: 168087.9/33

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270212.3/35

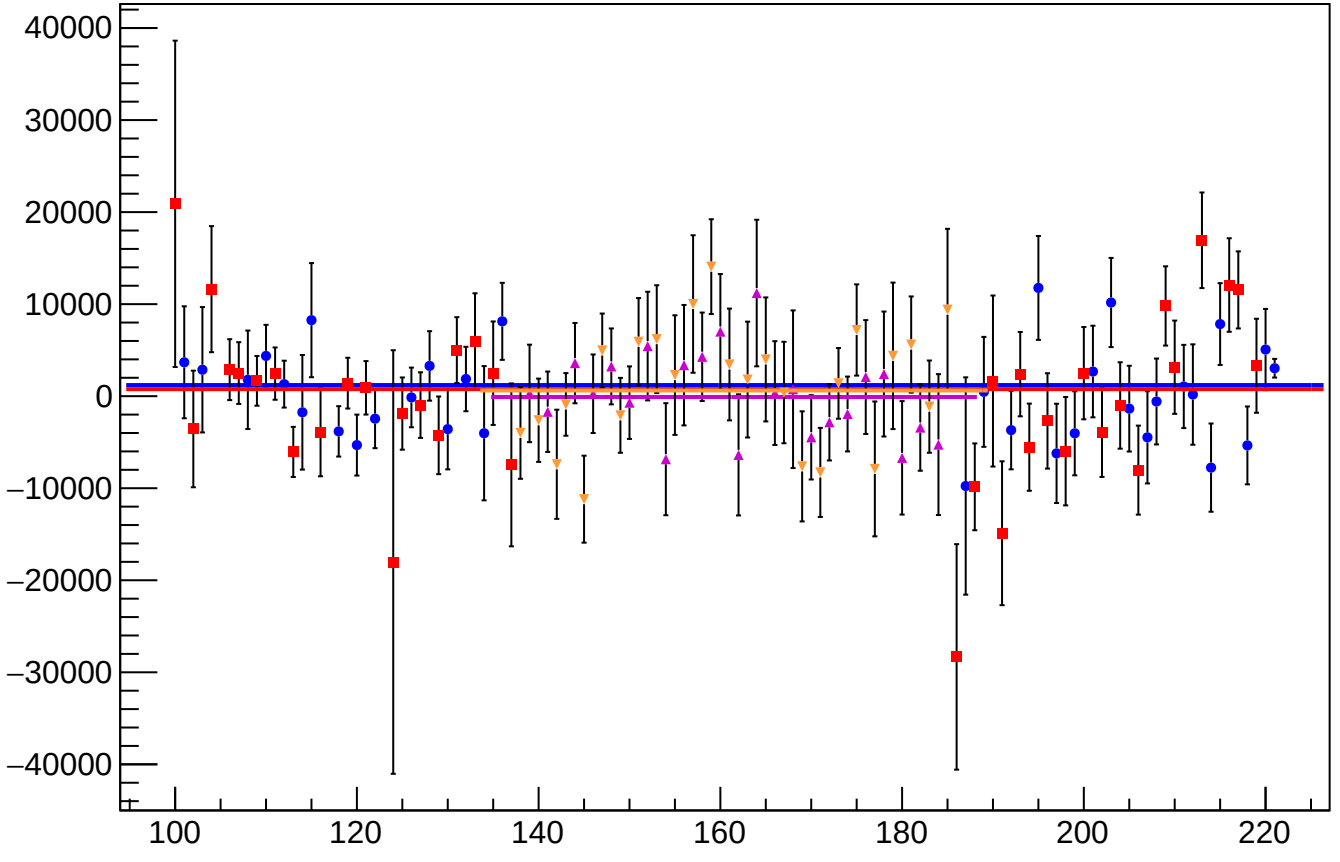
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1695.597+/-0.190 χ^2/NDF: 354584.7/57

All: 1700.451+/-0.135 χ^2/NDF: 773896.7/116

- sign 1705.412+/-0.192 χ^2/NDF: 417992.4/58

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 1209.060+/-603.275 χ^2/NDF: 42.5/33

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 765.445+/-715.730 χ^2/NDF: 67.9/36

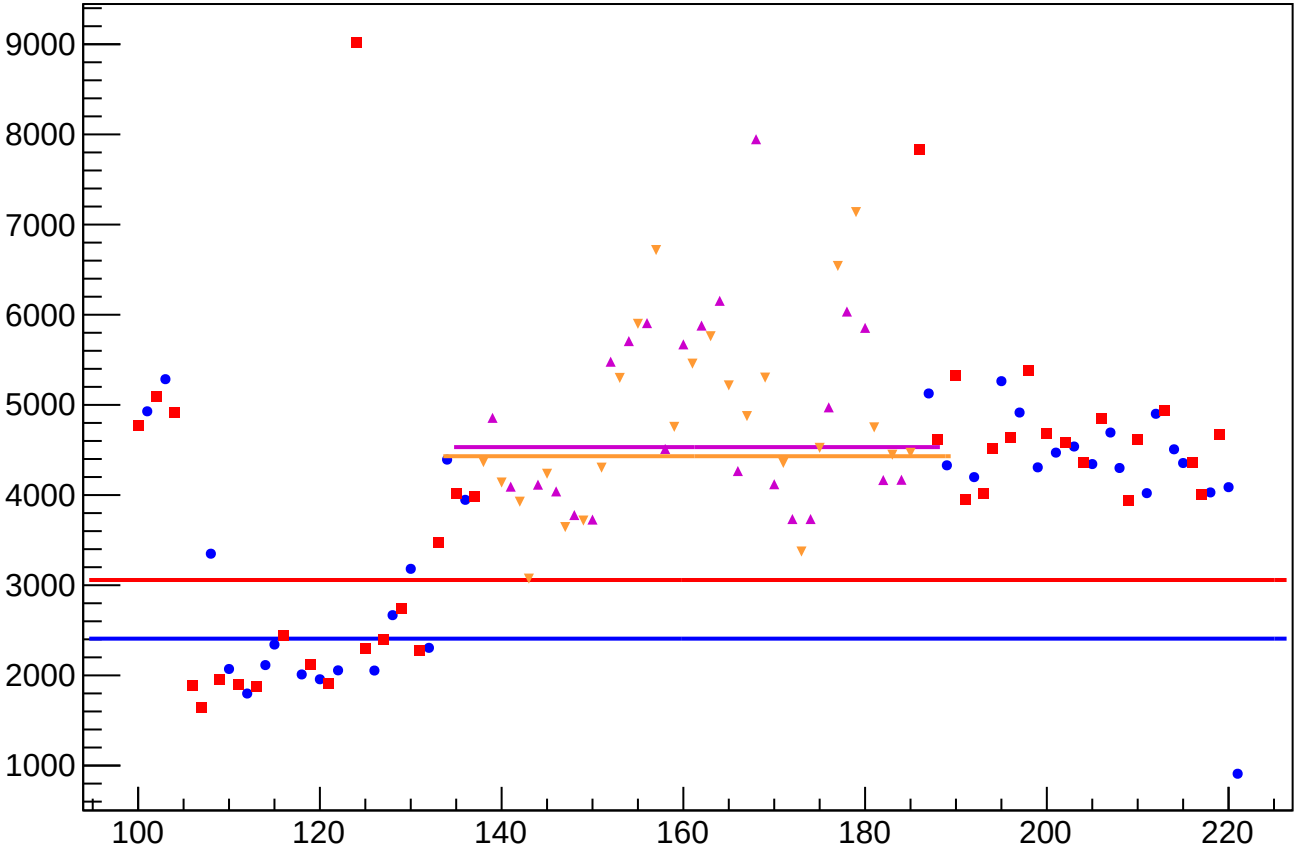
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 1059.523+/-521.157 χ^2/NDF: 75.8/58

All: 820.408+/-392.616 χ^2/NDF: 157.5/118

- sign 506.600+/-597.032 χ^2/NDF: 81.2/59

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2407.543+/-0.427 χ^2/NDF: 11681070.0/33

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 3057.914+/-0.506 χ^2/NDF: 6325728.9/36

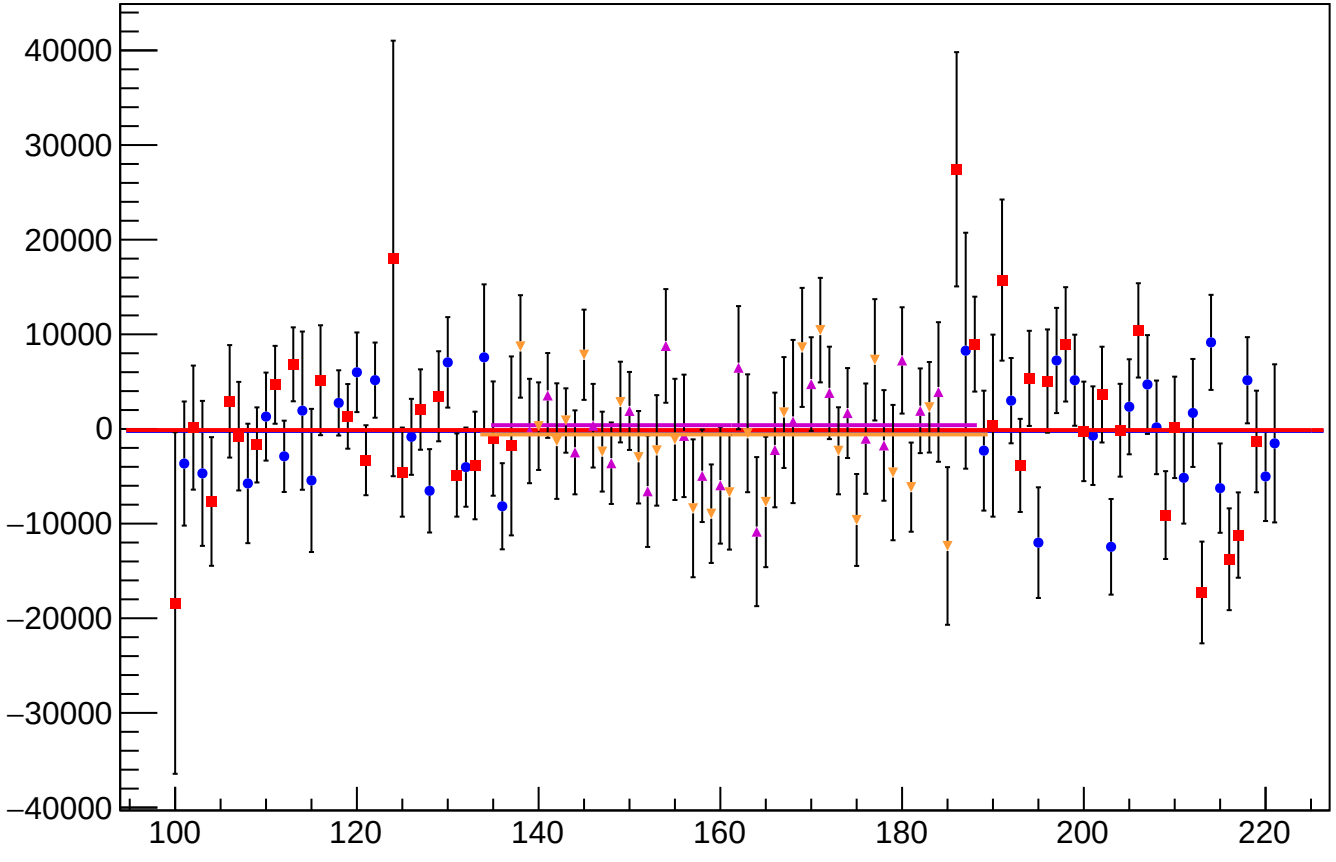
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 2920.870+/-0.369 χ^2/NDF: 19001828.3/58

All: 3174.037+/-0.278 χ^2/NDF: 30375742.6/1

- sign 3506.288+/-0.422 χ^2/NDF: 10282558.7/59

asym_atl_dd_mean vs Slug



Right In: -207.638+/-863.285 χ^2/NDF: 40.5/33

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -117.803+/-858.904 χ^2/NDF: 61.1/36

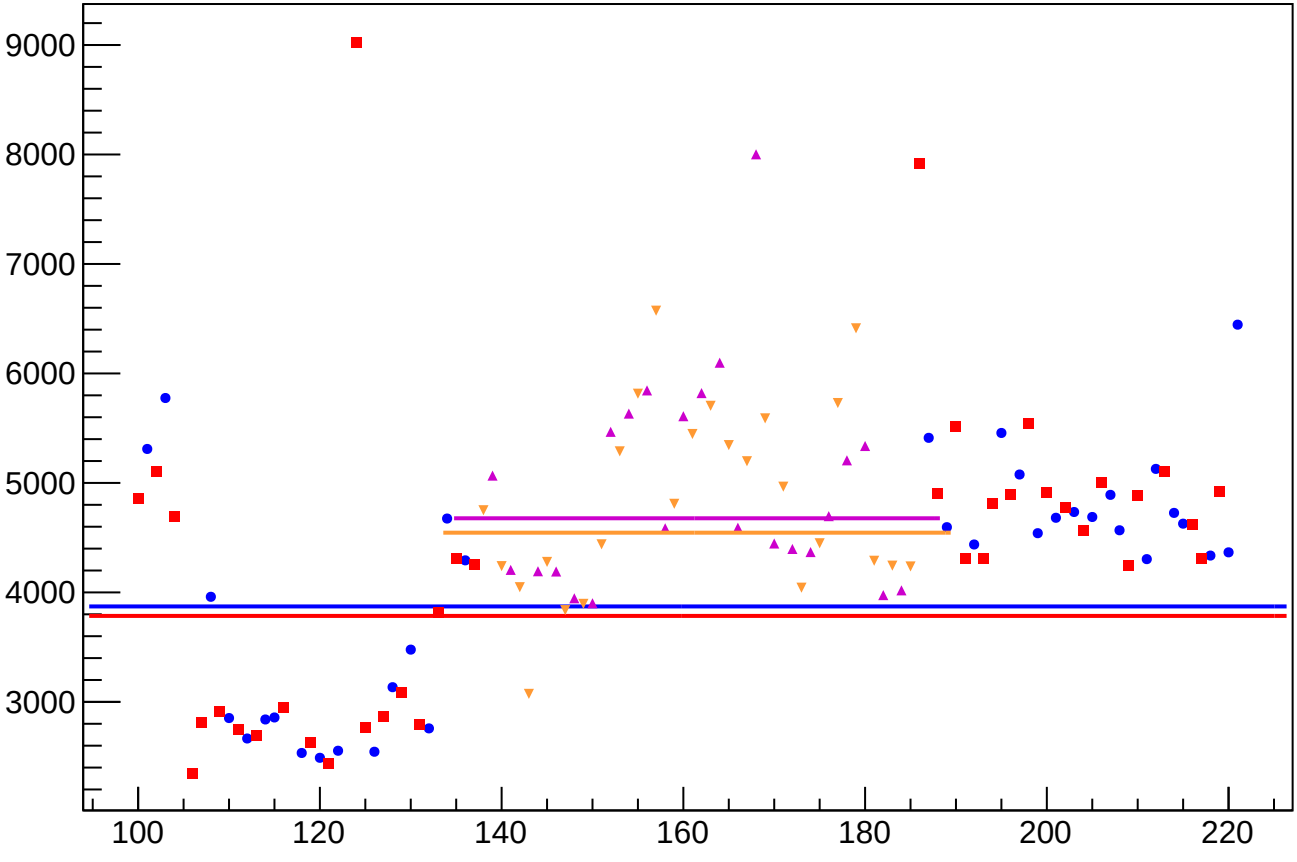
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -354.242+/-668.072 χ^2/NDF: 69.4/58

All: -142.846+/-476.274 χ^2/NDF: 144.8/118

- sign 75.633+/-679.172 χ^2/NDF: 75.2/59

asym_atl_dd_rms vs Slug



Right In: 3871.896+/-0.610 χ^2/NDF: 2892383.7/33

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3785.280+/-0.603 χ^2/NDF: 3238125.1/36

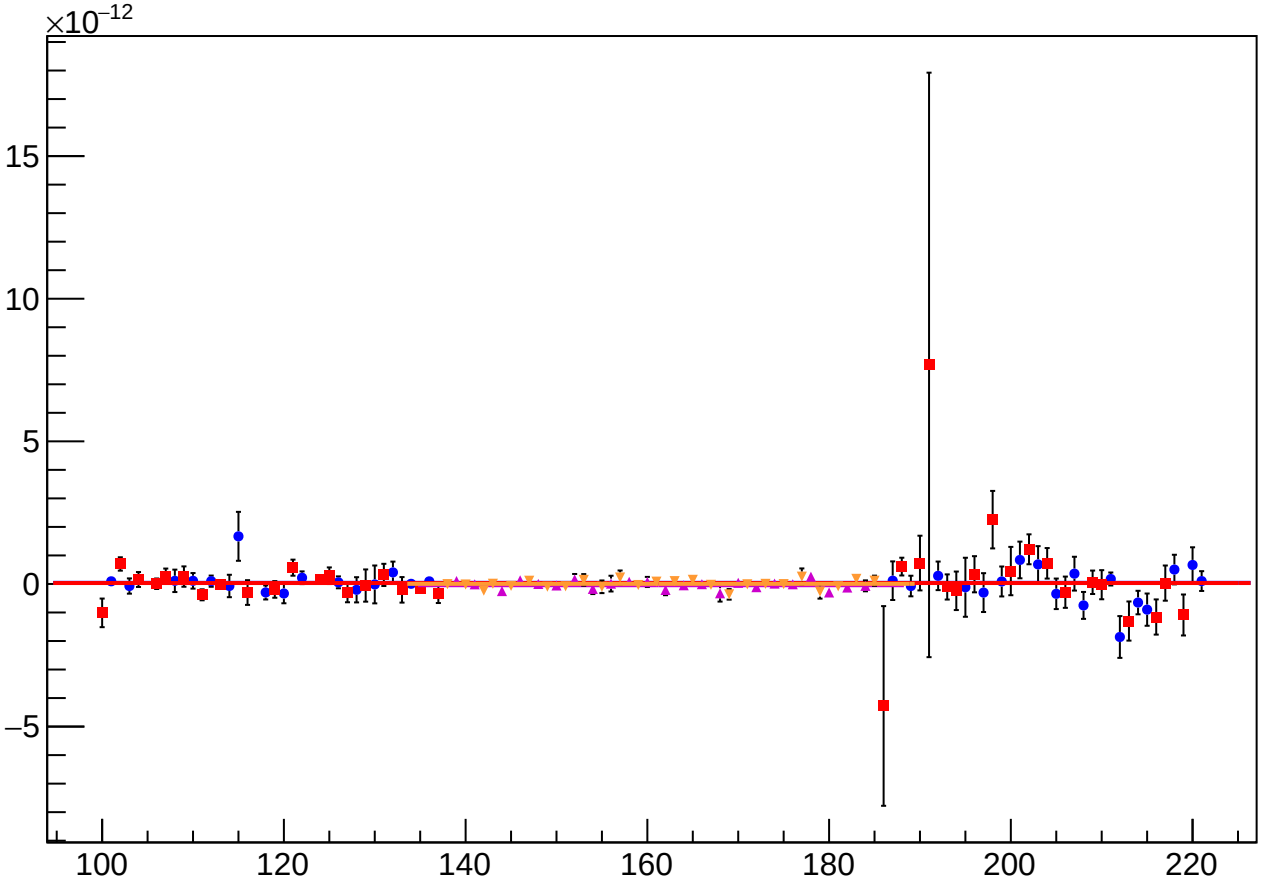
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4142.090+/-0.472 χ^2/NDF: 4639338.7/58

All: 4129.340+/-0.336 χ^2/NDF: 9651305.9/11

- sign 4116.288+/-0.478 χ^2/NDF: 5010493.0/59

asym_atl_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

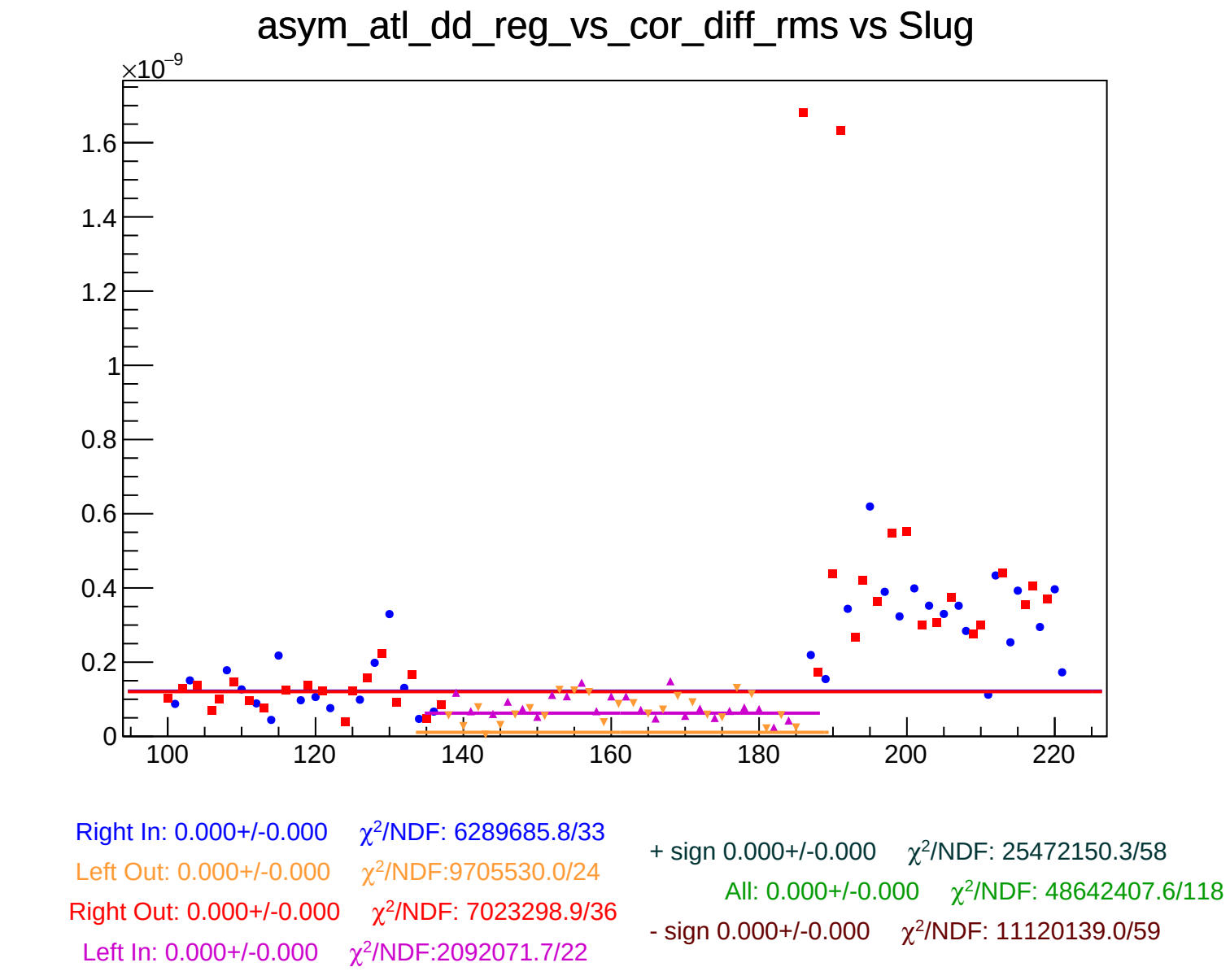
Right Out: 0.000+/-0.000 χ^2/NDF: 58.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

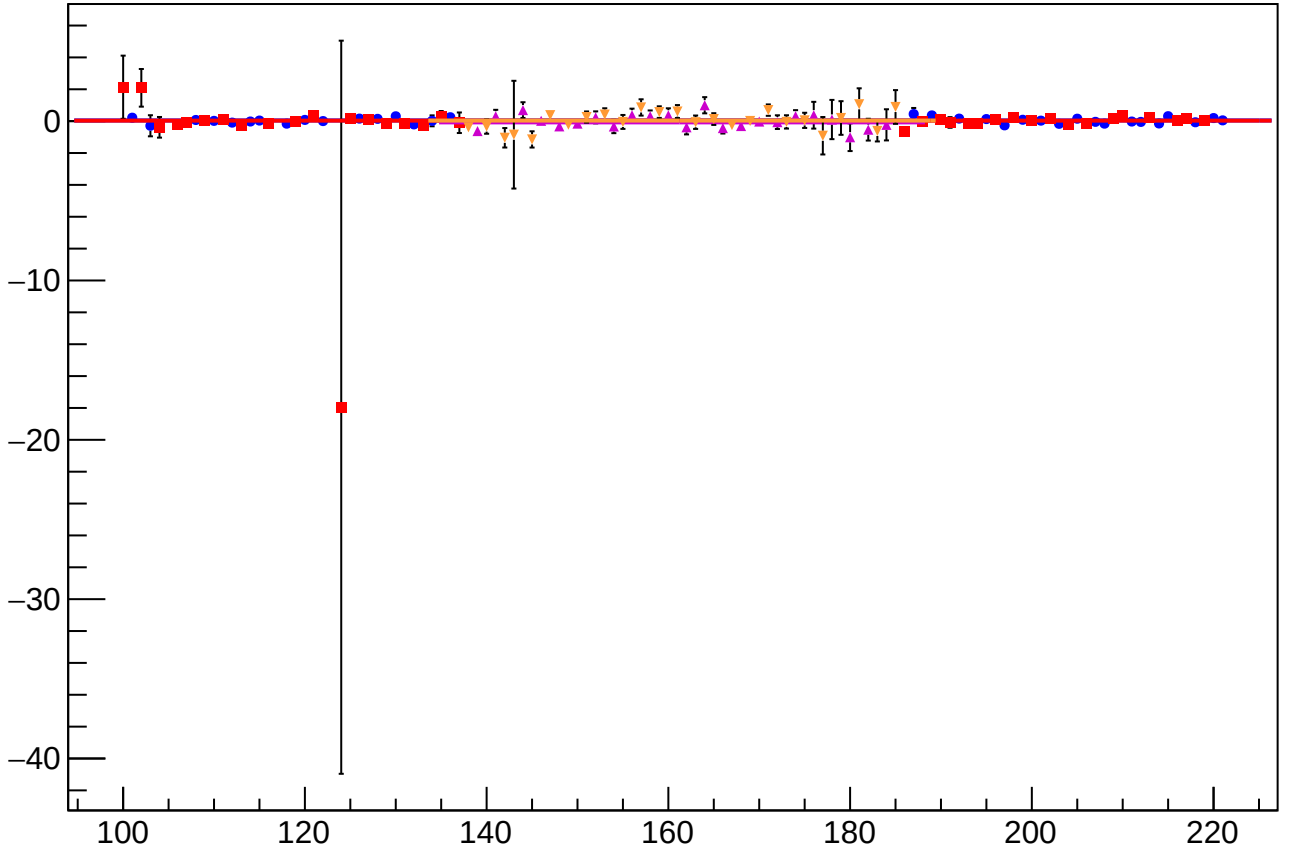
+ sign 0.000+/-0.000 χ^2/NDF: 49.4/58

All: 0.000+/-0.000 χ^2/NDF: 132.4/118

- sign -0.000+/-0.000 χ^2/NDF: 81.2/59


asym_atl_dd_reg_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
220
Right In: 0.000+/-0.000 χ²/NDF: 6289685.8/33
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7023298.9/36
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 25472150.3/58
All: 0.000+/-0.000 χ²/NDF: 48642407.6/118
- sign 0.000+/-0.000 χ²/NDF: 11120139.0/59

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

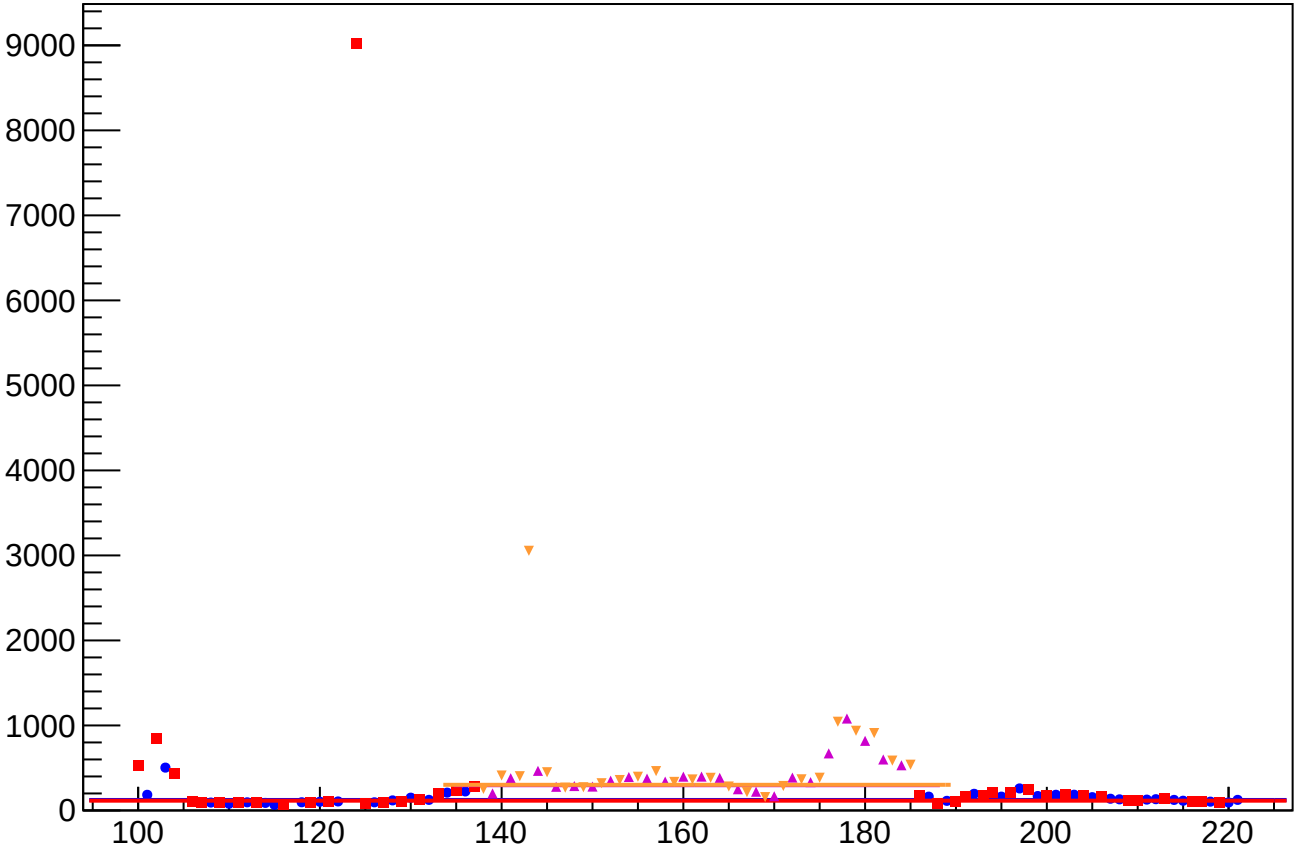
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 131.0/118

- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 123.275+/-0.020 χ^2/NDF: 3745659.2/33

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

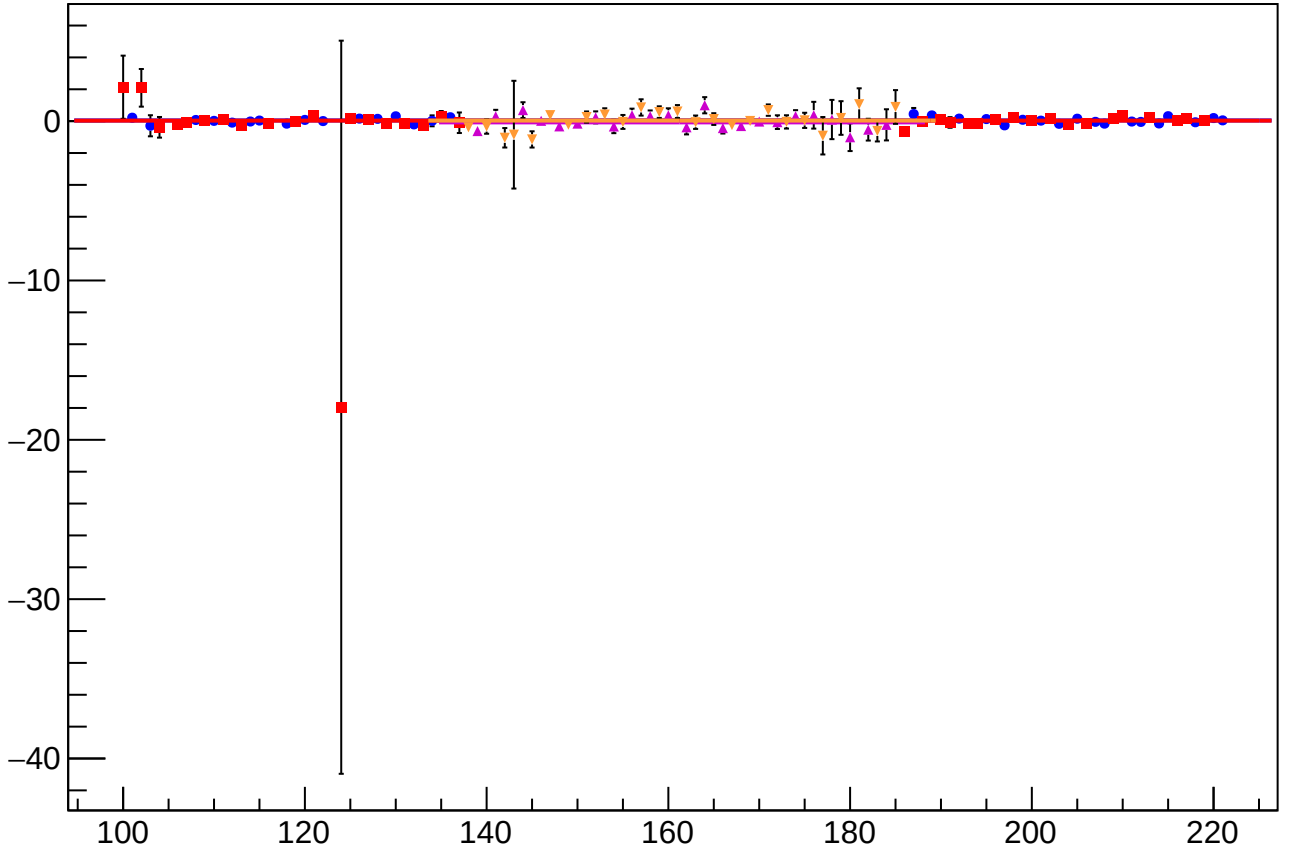
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 144.701+/-0.019 χ^2/NDF: 19909052.9/58

All: 140.386+/-0.013 χ^2/NDF: 40722569.7/11

- sign 136.316+/-0.018 χ^2/NDF: 20711673.1/59

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

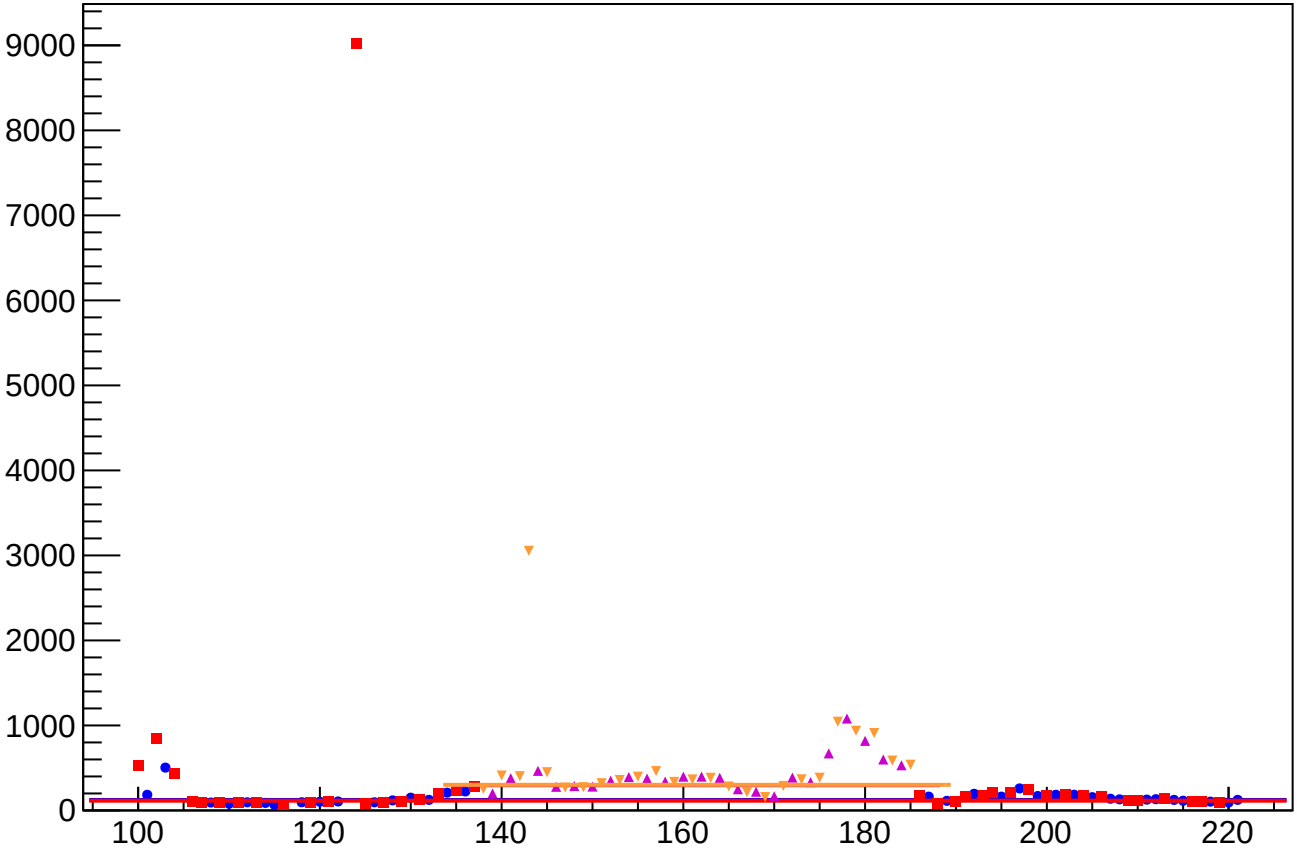
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

\+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 131.0/118

\- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 123.275+/-0.020 χ^2/NDF: 3745659.2/33

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

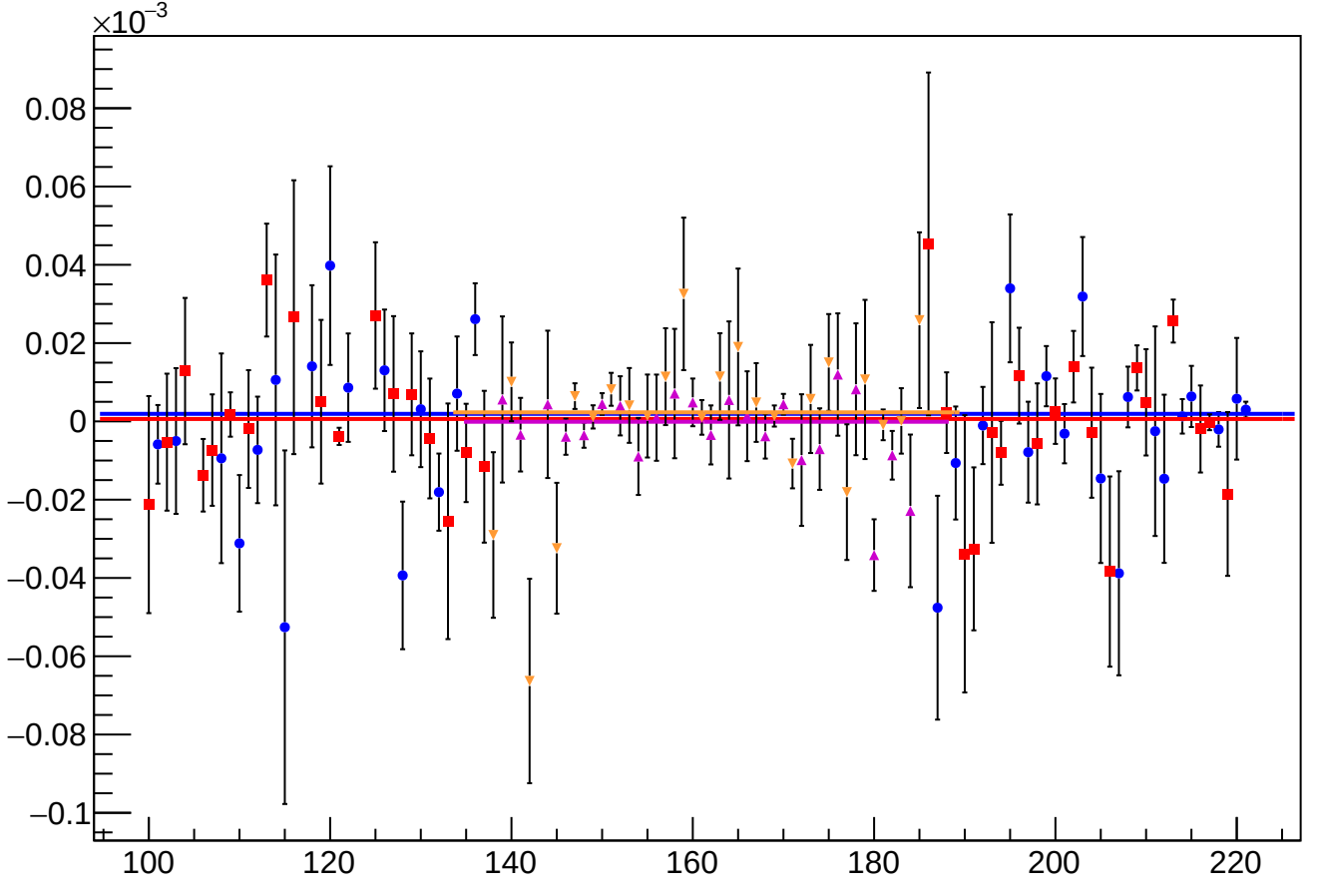
Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 144.701+/-0.019 χ^2/NDF: 19909052.9/58

All: 140.386+/-0.013 χ^2/NDF: 40722569.7/11

- sign 136.316+/-0.018 χ^2/NDF: 20711673.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 44.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 57.2/35

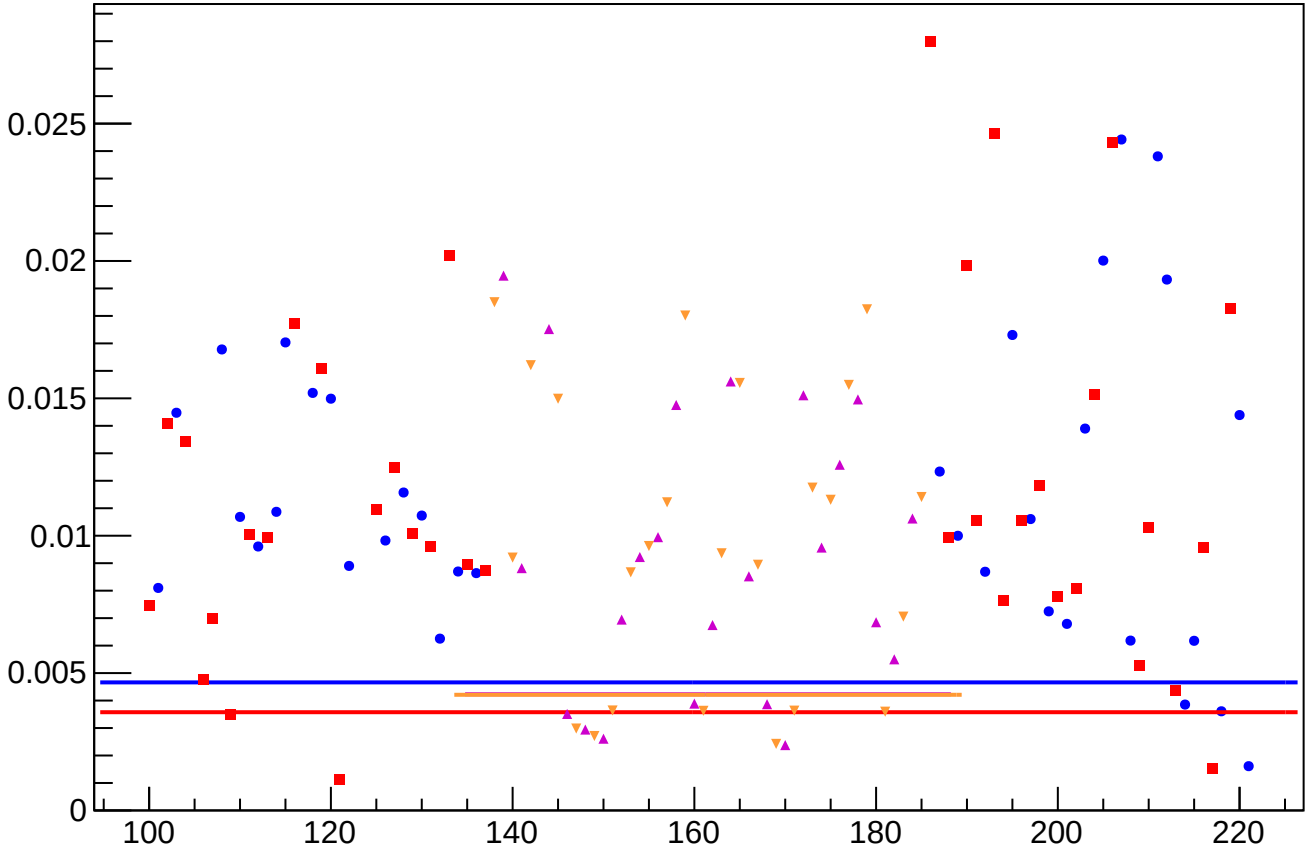
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.7/57

All: 0.000+/-0.000 χ^2/NDF: 164.3/116

- sign 0.000+/-0.000 χ^2/NDF: 86.5/58

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 17289180.3/33

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 20908209.9/35

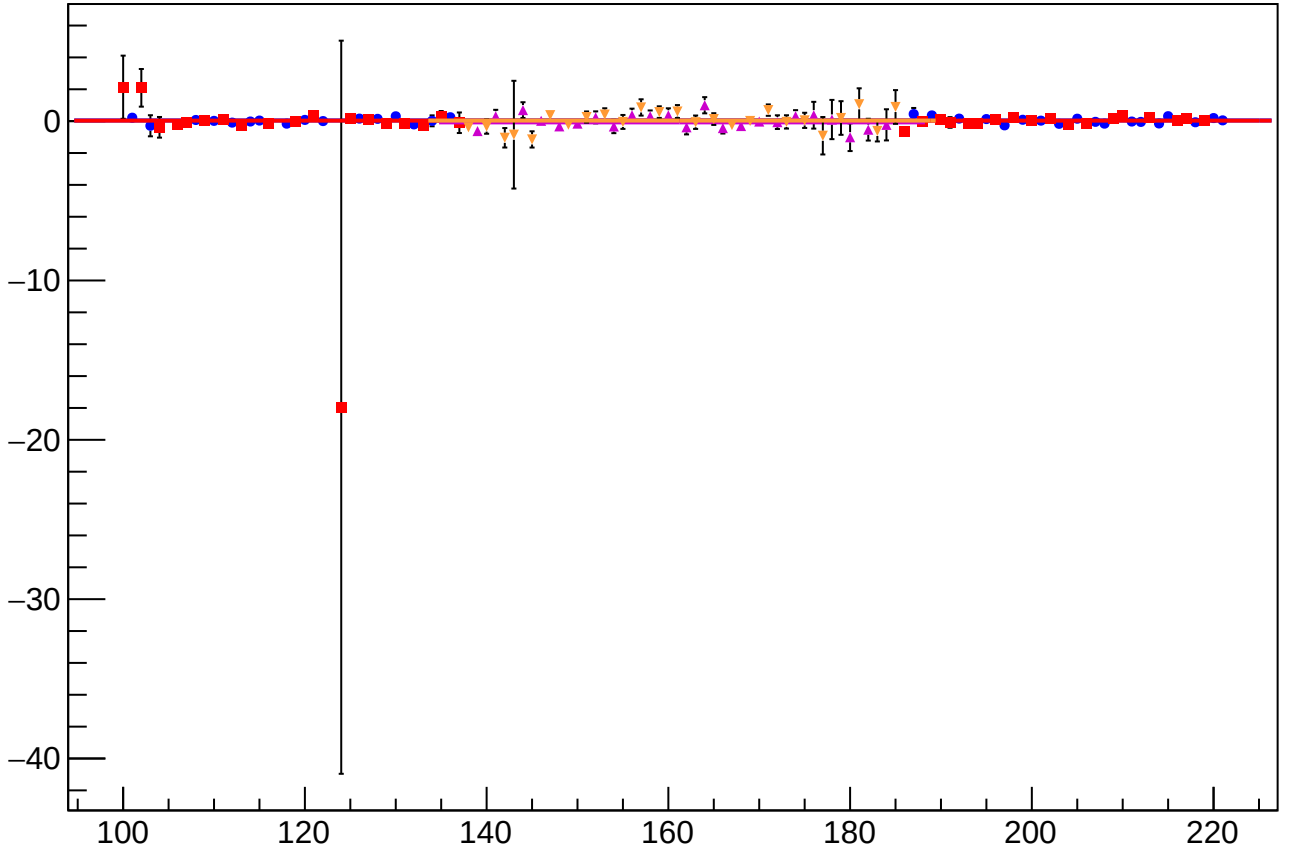
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 29484738.3/57

All: 0.004+/-0.000 χ^2/NDF: 62051728.6/116

- sign 0.004+/-0.000 χ^2/NDF: 32221805.7/58

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

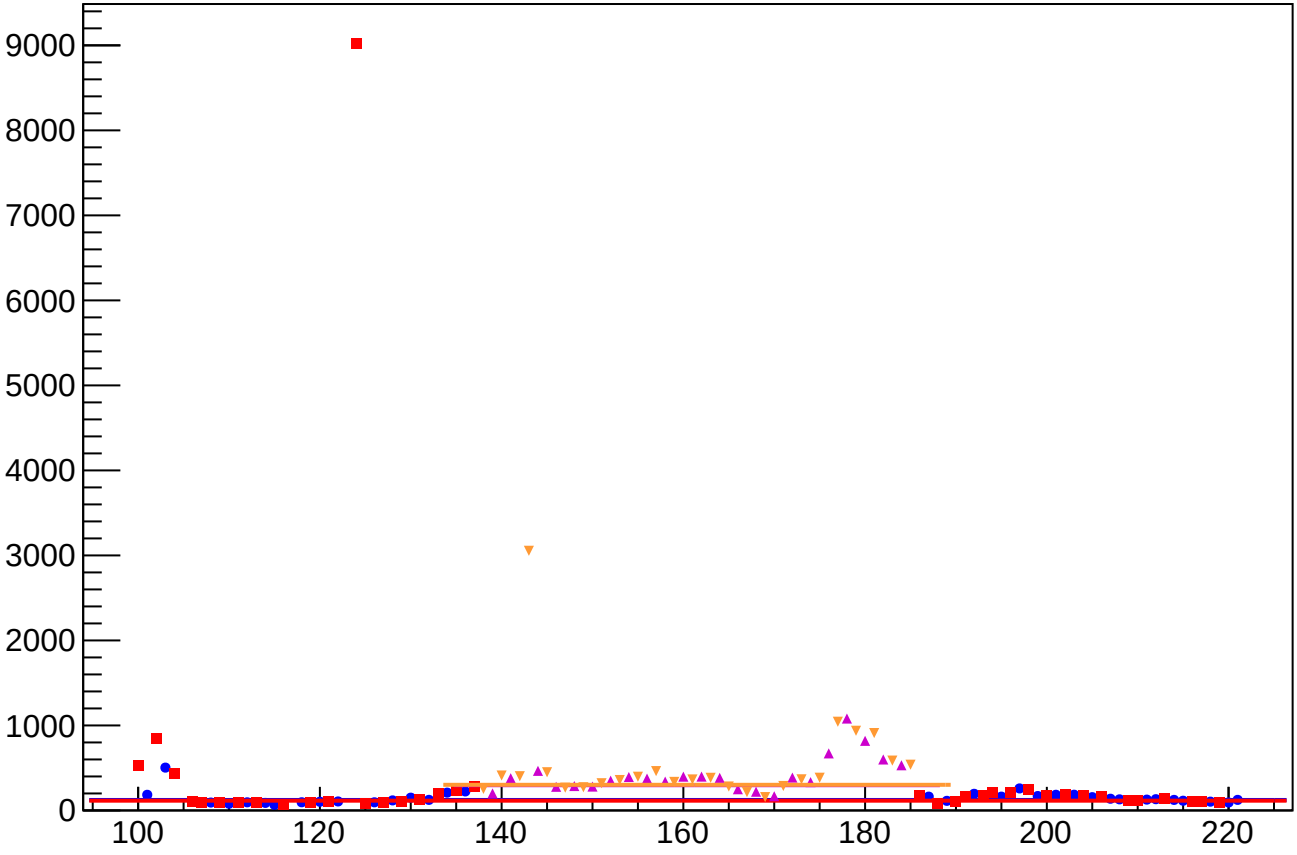
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

\+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 131.0/118

\- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 123.277+/-0.020 χ^2/NDF: 3745598.0/33

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

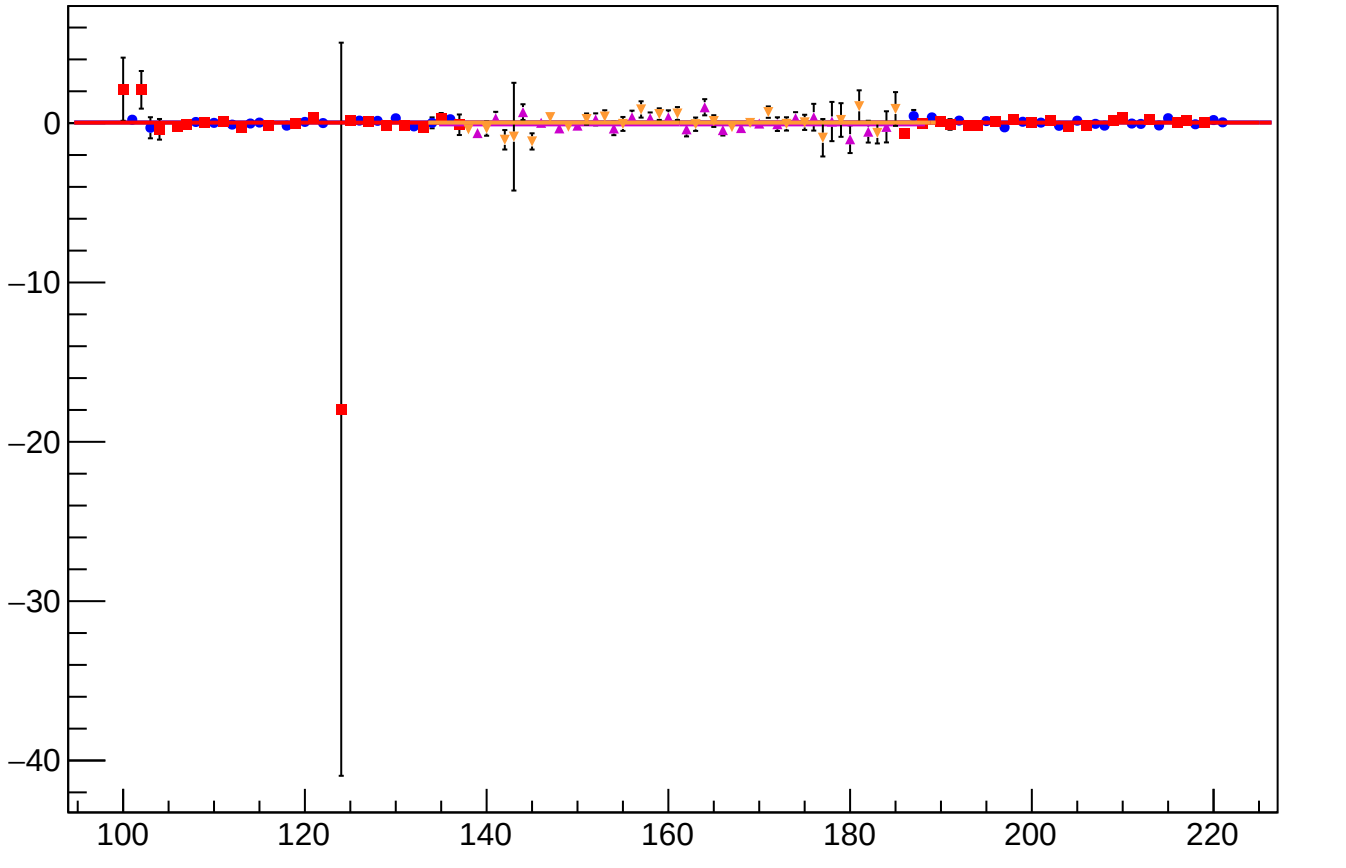
Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 144.703+/-0.019 χ^2/NDF: 19908921.8/58

All: 140.387+/-0.013 χ^2/NDF: 40722290.3/11

- sign 136.317+/-0.018 χ^2/NDF: 20711519.2/59



Right In: 0.044+/-0.028 χ^2/NDF: 30.4/33

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

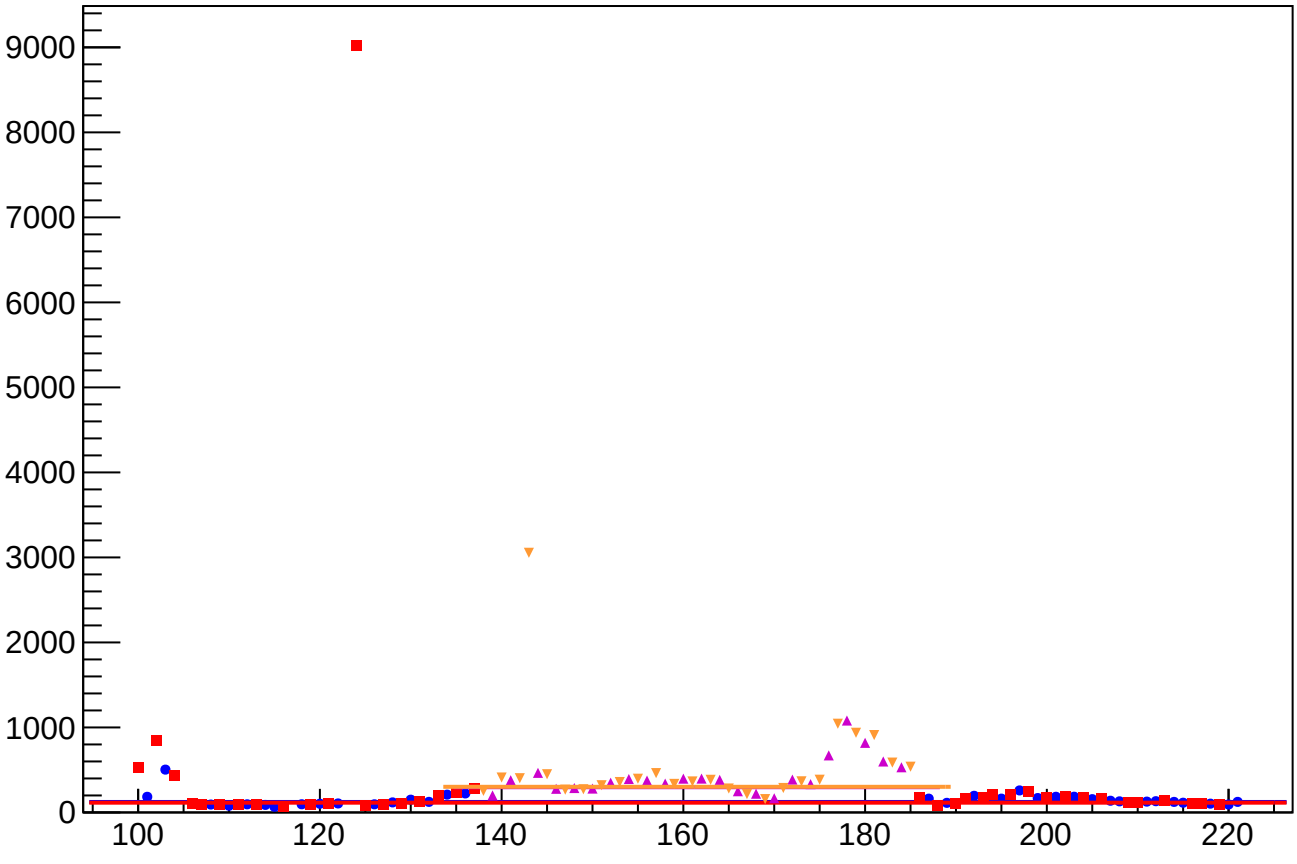
Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/58

All: 0.031+/-0.019 χ^2/NDF: 131.0/118

- sign 0.019+/-0.026 χ^2/NDF: 70.5/59



Right In: 123.277+/-0.020 χ^2/NDF: 3745598.0/33

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

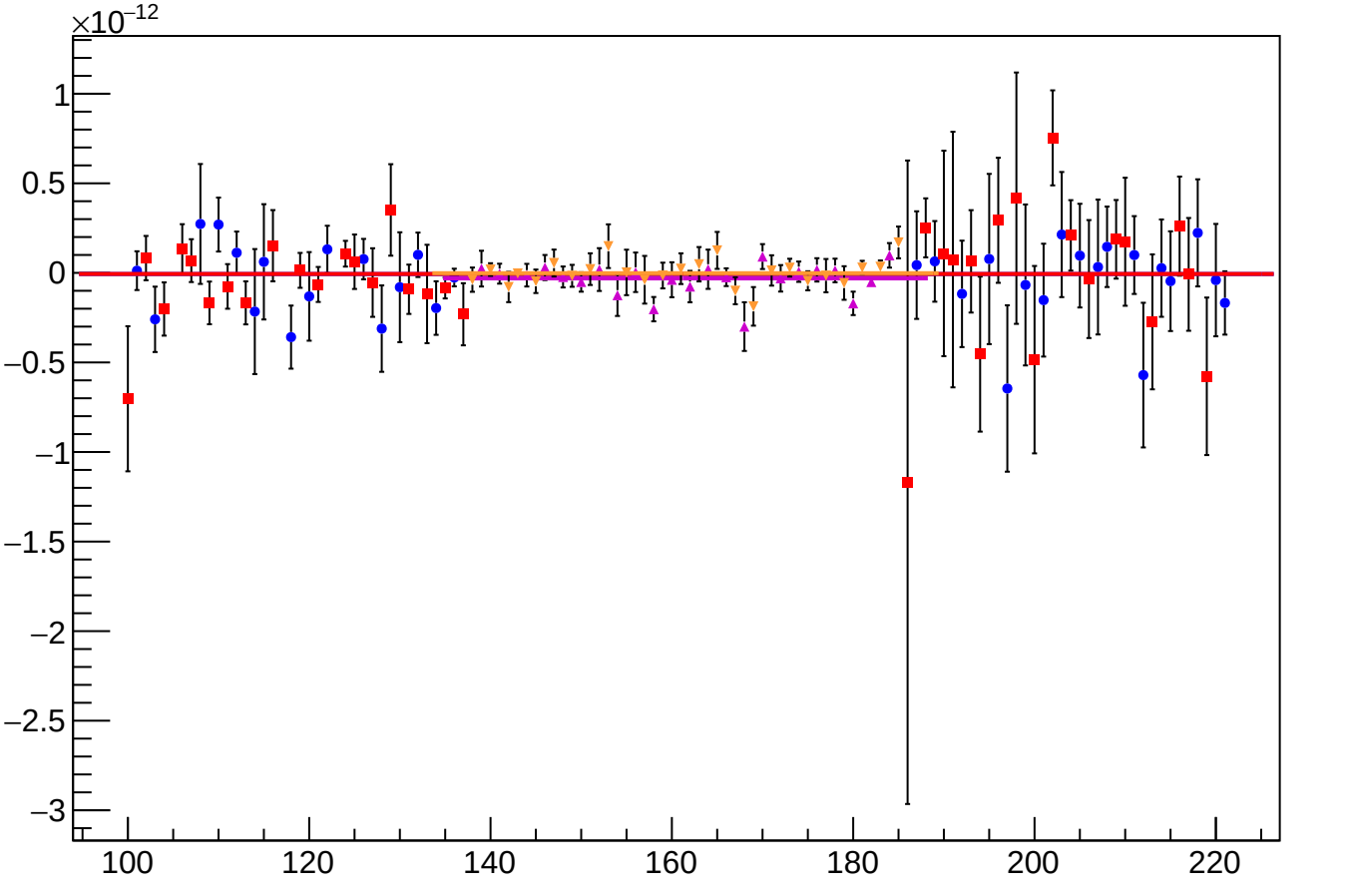
Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 144.703+/-0.019 χ^2/NDF: 19908921.8/58

All: 140.387+/-0.013 χ^2/NDF: 40722290.3/11

- sign 136.317+/-0.018 χ^2/NDF: 20711519.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

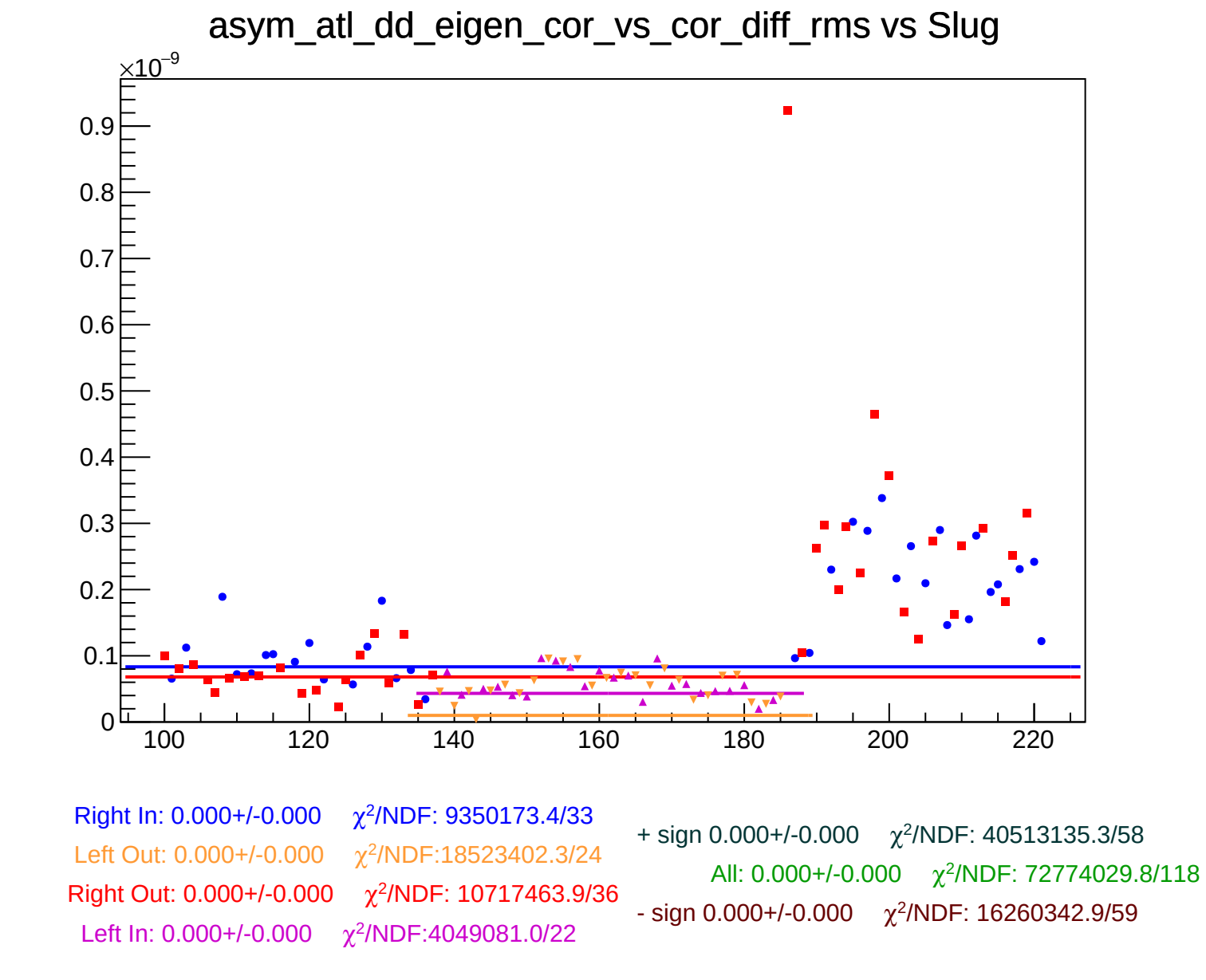
Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/36

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

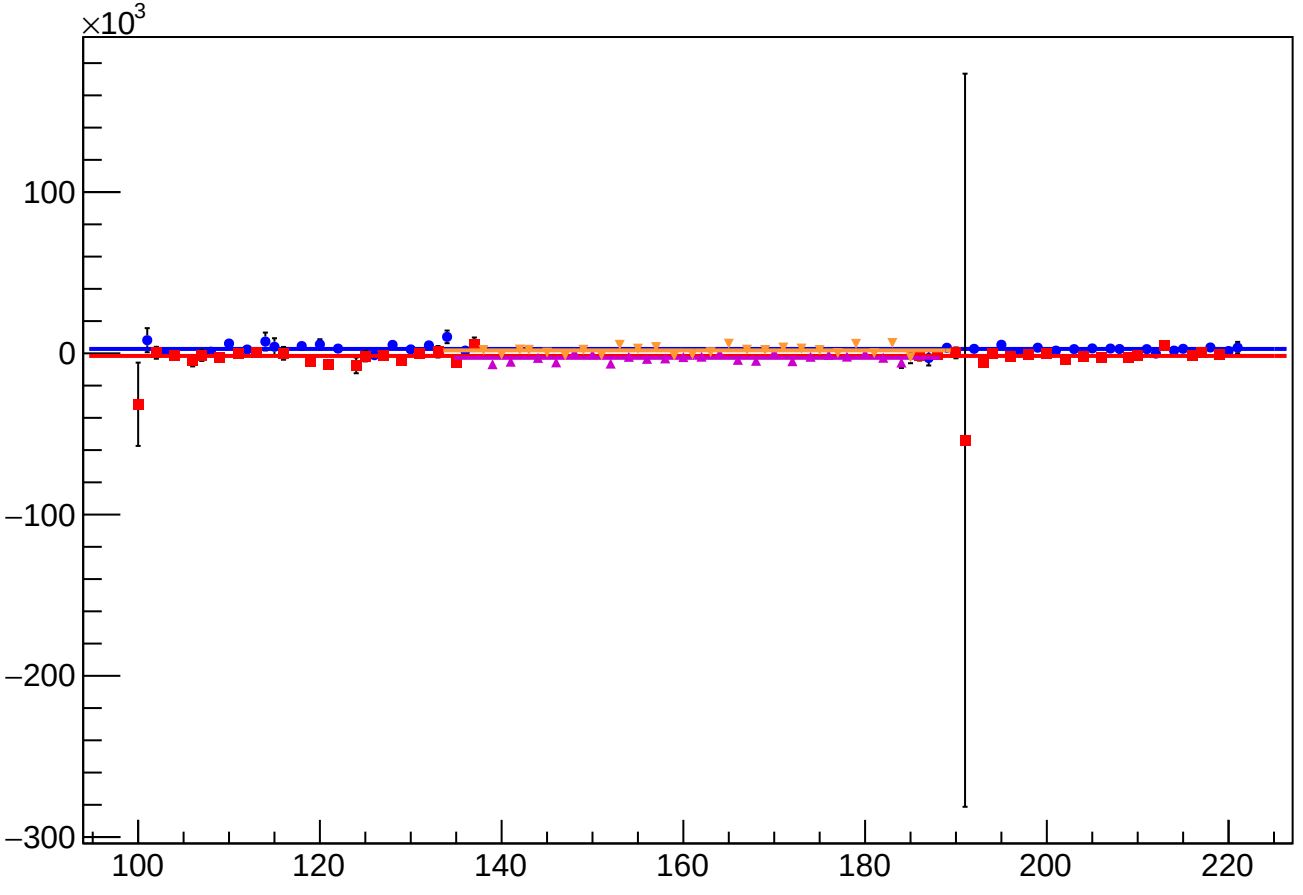
+ sign -0.000+/-0.000 χ^2/NDF: 42.3/58

All: -0.000+/-0.000 χ^2/NDF: 112.7/118

- sign -0.000+/-0.000 χ^2/NDF: 67.0/59


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9350173.4/33
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10717463.9/36
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 40513135.3/58
All: 0.000+/-0.000 χ²/NDF: 72774029.8/118
- sign 0.000+/-0.000 χ²/NDF: 16260342.9/59

reg_asym_atr_avg_mean vs Slug



Right In: 2737.463+/-426.144 χ^2/NDF: 19.1/33

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1605.136+/-427.266 χ^2/NDF: 34.2/36

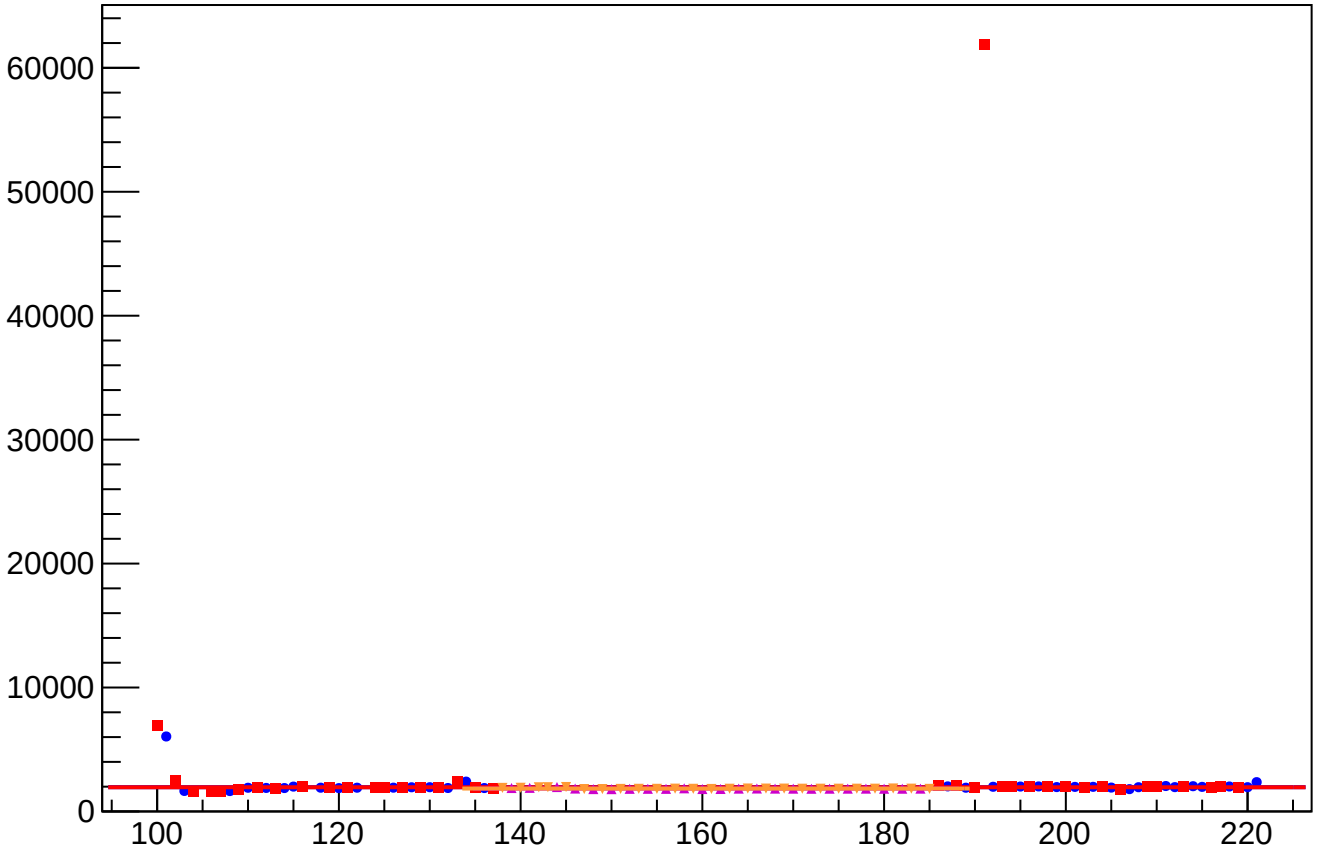
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2288.309+/-299.135 χ^2/NDF: 52.8/58

All: 82.967+/-213.009 χ^2/NDF: 226.4/118

- sign -2185.537+/-303.389 χ^2/NDF: 63.3/59

reg_asym_atr_avg_rms vs Slug



Right In: 1959.259+/-0.301 χ^2/NDF: 755379.4/33

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1952.352+/-0.302 χ^2/NDF: 427422.9/36

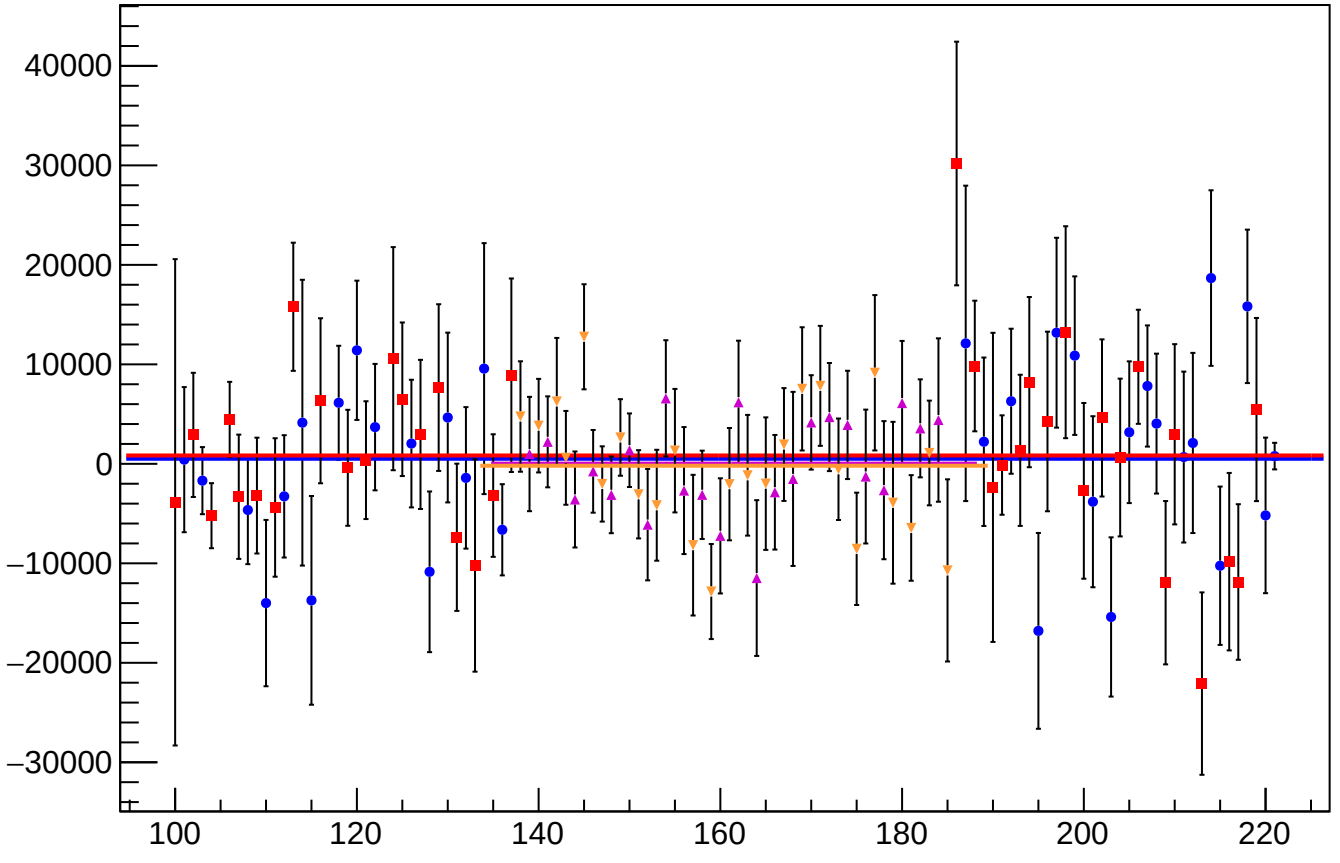
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1903.087+/-0.212 χ^2/NDF: 844772.8/58

All: 1901.182+/-0.151 χ^2/NDF: 1348991.4/11

- sign 1899.224+/-0.214 χ^2/NDF: 504054.1/59

asym_atr_avg_reg_correction_mean vs Slug



Right In: 510.007+/-906.983 χ^2/NDF: 39.9/33

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 840.431+/-1143.383 χ^2/NDF: 43.1/36

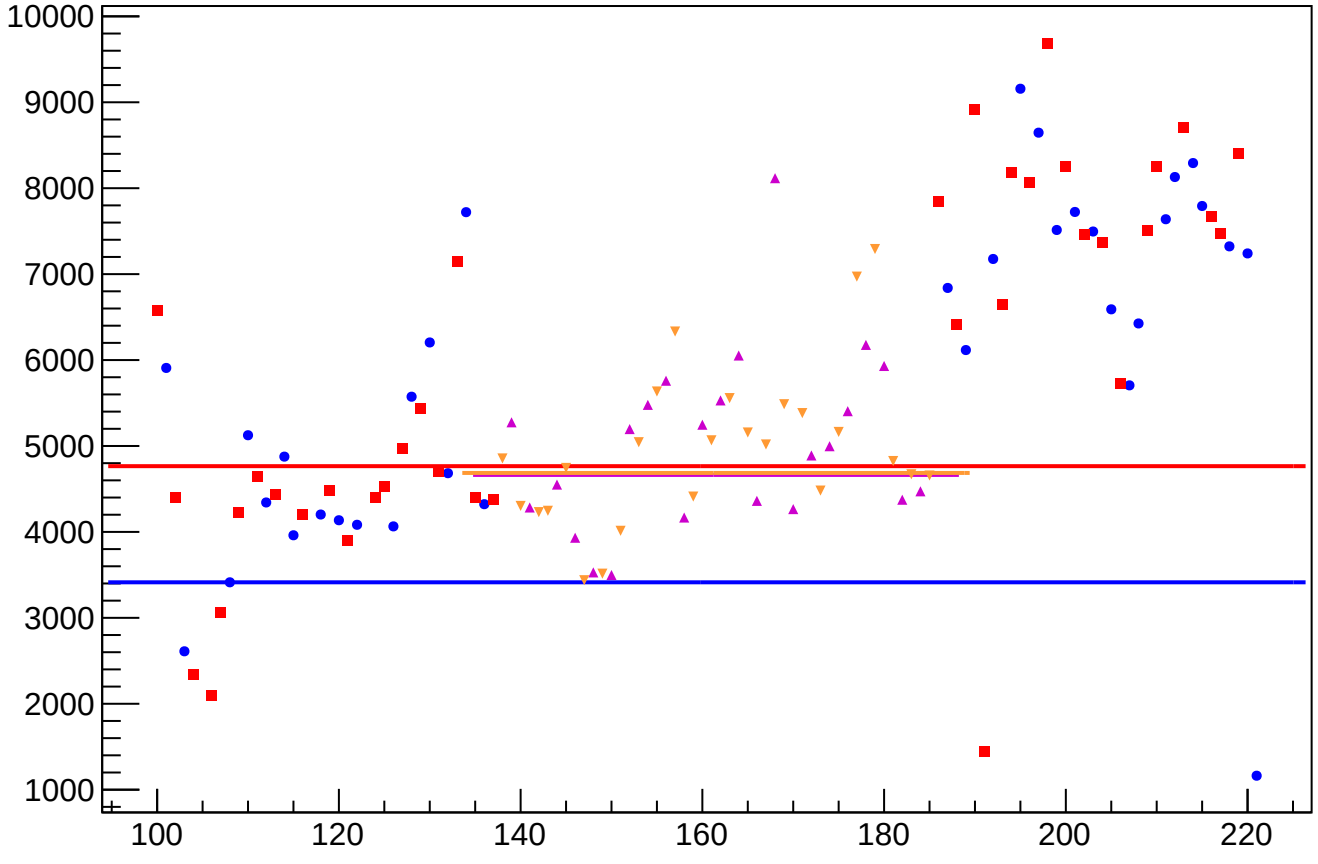
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign 223.415+/-696.826 χ^2/NDF: 69.1/58

All: 307.975+/-524.702 χ^2/NDF: 126.3/118

- sign 418.700+/-797.378 χ^2/NDF: 57.1/59

asym_atr_avg_reg_correction_rms vs Slug



Right In: 3413.494+/-0.641 χ^2/NDF: 14967082.7/33

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4765.174+/-0.808 χ^2/NDF: 7360750.1/36

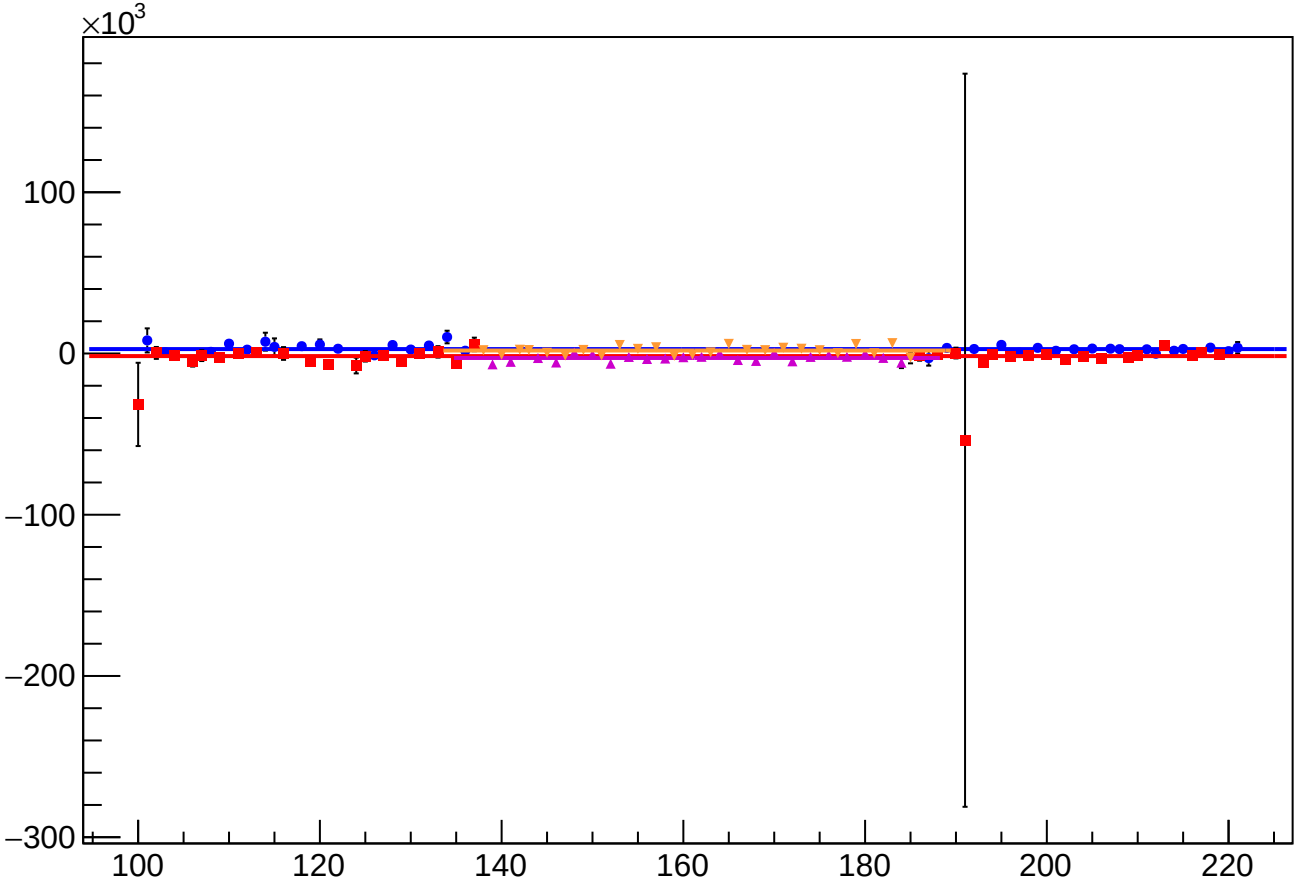
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 3935.023+/-0.493 χ^2/NDF: 17766097.1/58

All: 4271.822+/-0.371 χ^2/NDF: 27500741.3/1

- sign 4712.832+/-0.564 χ^2/NDF: 8655636.4/59

cor_asym_atr_avg_mean vs Slug



Right In: 2737.177+/-426.144 χ^2/NDF: 19.1/33

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1605.573+/-427.267 χ^2/NDF: 34.2/36

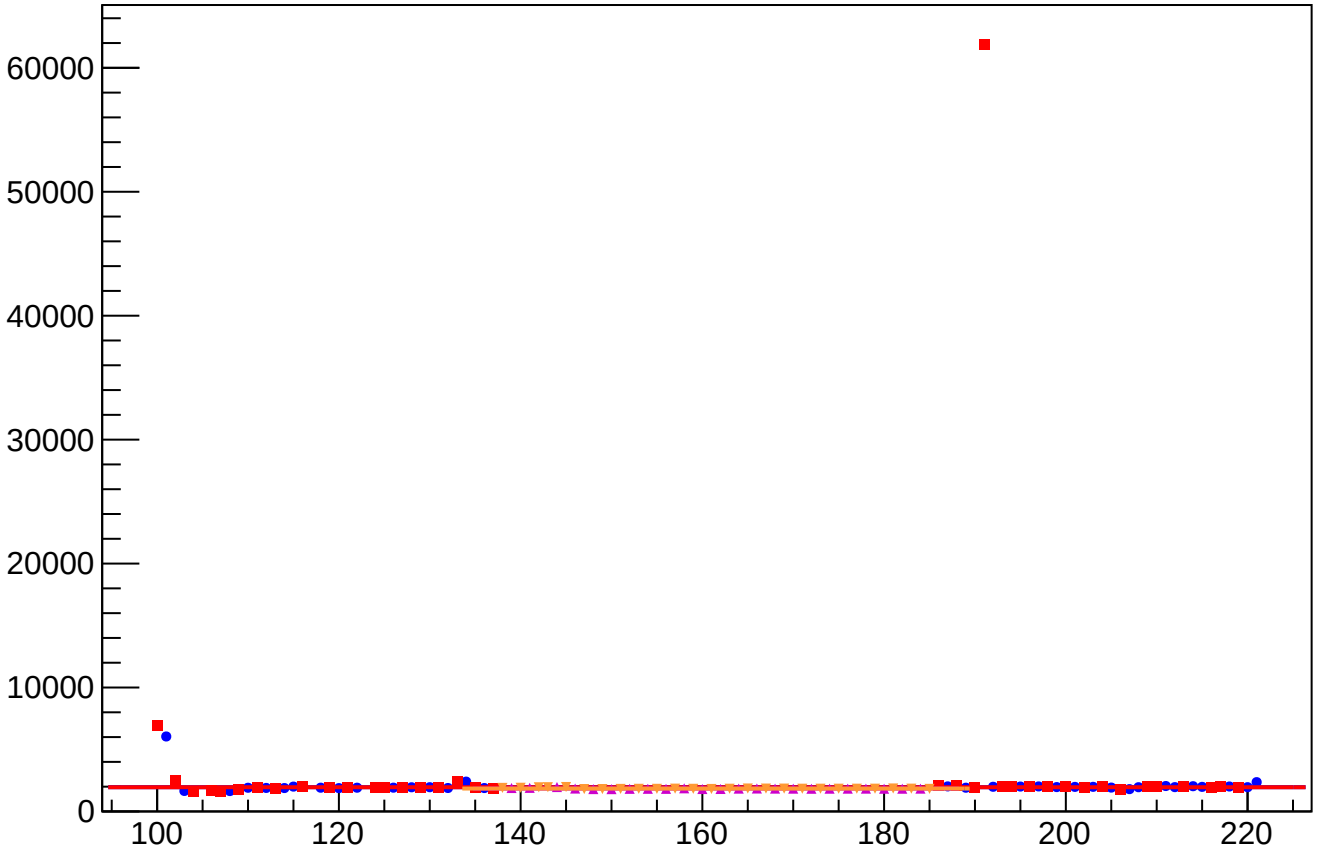
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2288.112+/-299.136 χ^2/NDF: 52.8/58

All: 82.766+/-213.009 χ^2/NDF: 226.4/118

- sign -2185.747+/-303.389 χ^2/NDF: 63.3/59

cor_asym_atr_avg_rms vs Slug



Right In: 1959.260+/-0.301 χ^2/NDF: 755378.5/33

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

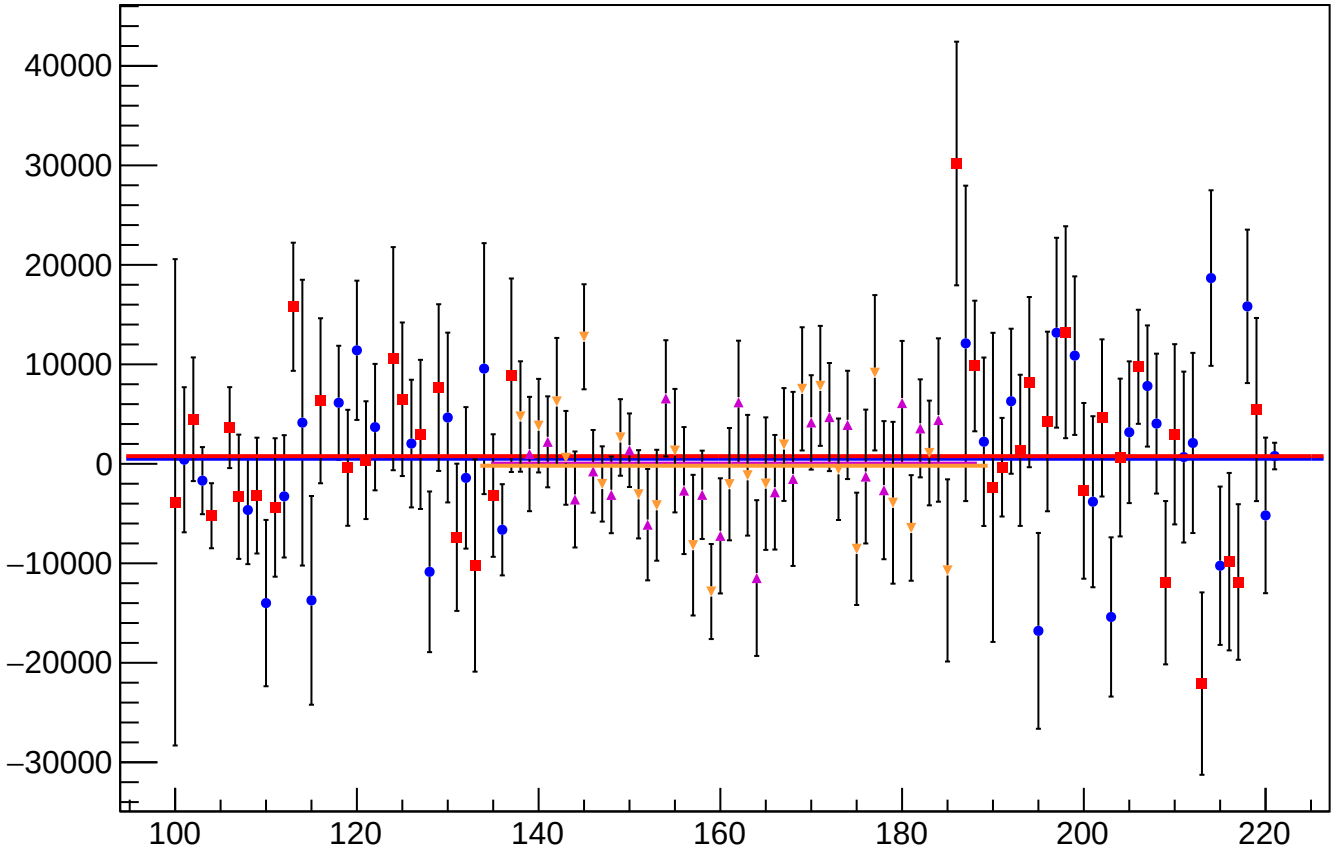
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1903.088+/-0.212 χ^2/NDF: 844772.0/58

All: 1901.544+/-0.151 χ^2/NDF: 1342243.0/11

- sign 1899.958+/-0.214 χ^2/NDF: 497363.1/59

asym_atr_avg_cor_correction_mean vs Slug



Right In: 513.175+/-907.110 χ^2/NDF: 39.9/33

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 770.960+/-1149.917 χ^2/NDF: 42.9/36

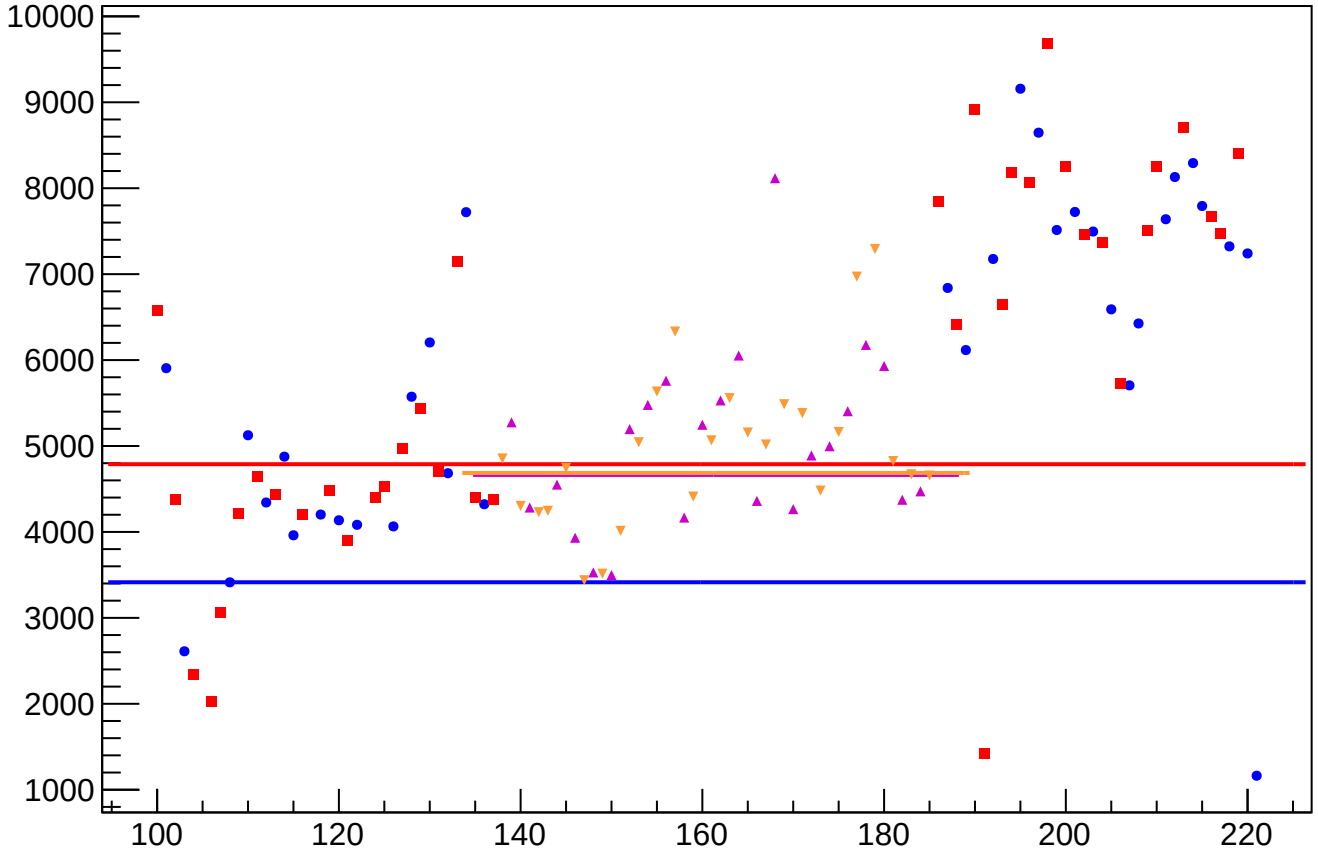
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign 225.225+/-696.884 χ^2/NDF: 69.1/58

All: 293.247+/-525.354 χ^2/NDF: 126.0/118

- sign 382.795+/-799.584 χ^2/NDF: 56.9/59

asym_atr_avg_cor_correction_rms vs Slug



Right In: 3414.336+/-0.641 χ^2/NDF: 14961231.2/33

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

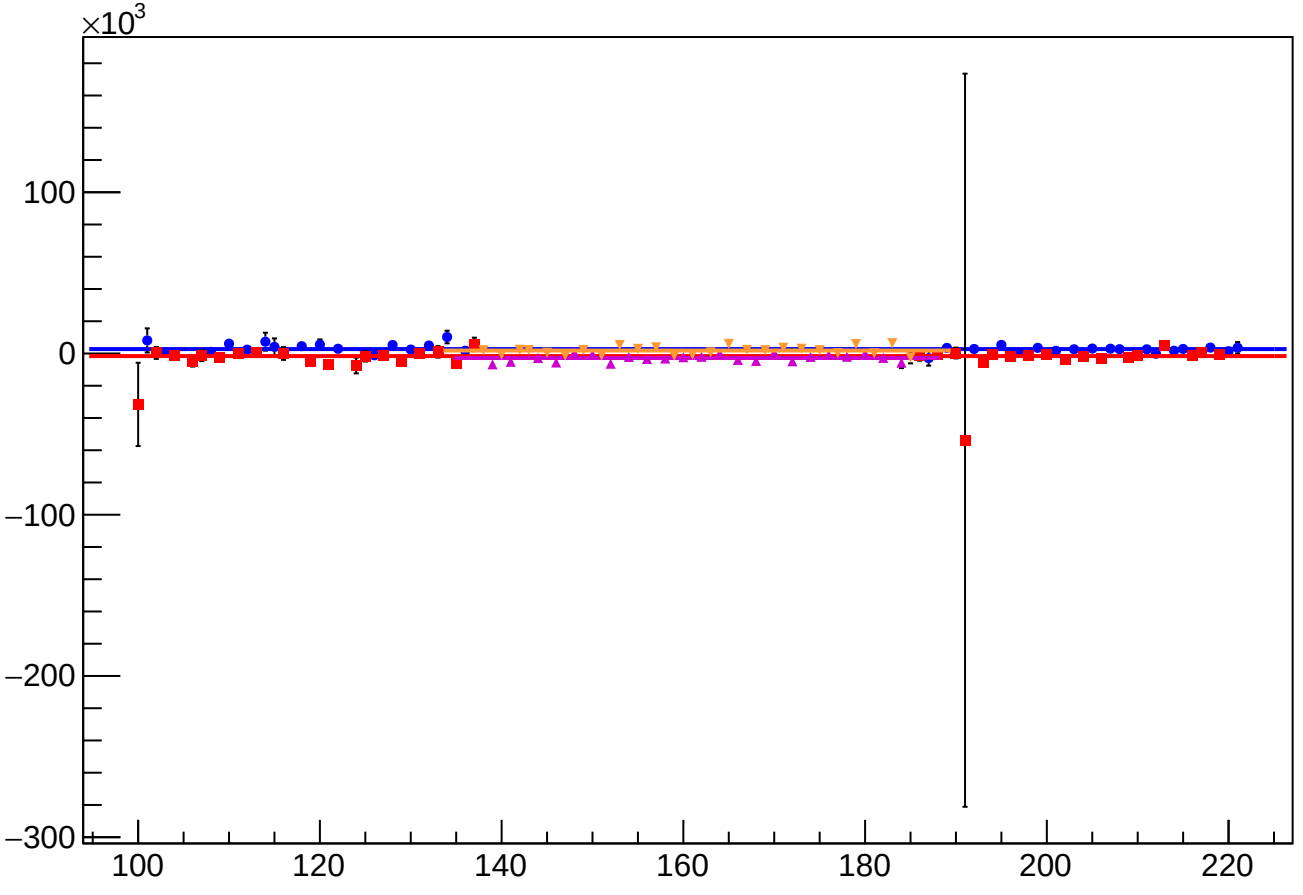
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 3935.604+/-0.493 χ^2/NDF: 17757935.5/58

All: 4275.825+/-0.371 χ^2/NDF: 27458346.7/1

- sign 4723.713+/-0.565 χ^2/NDF: 8596185.3/59

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2737.177+/-426.144 χ^2/NDF: 19.1/33

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1605.573+/-427.267 χ^2/NDF: 34.2/36

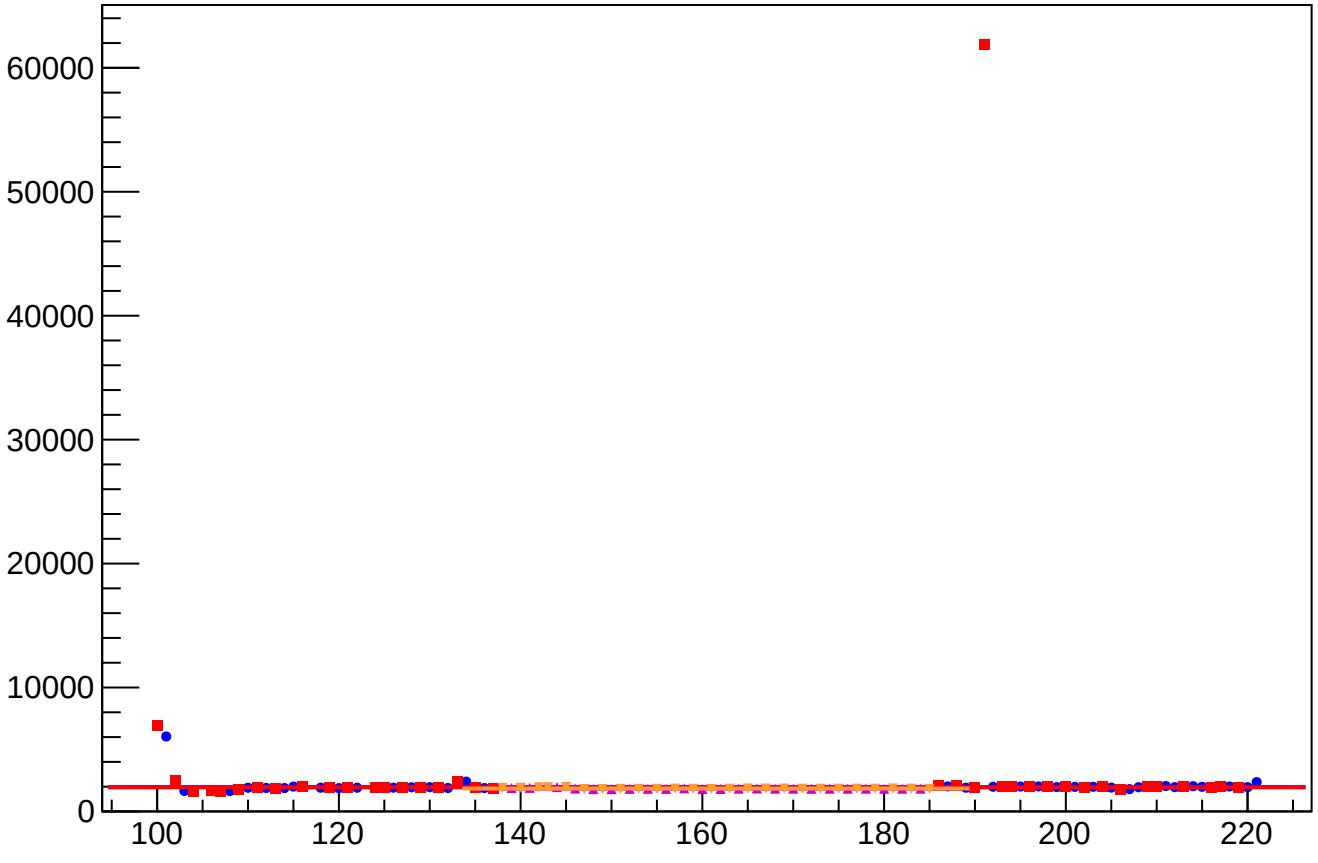
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2288.112+/-299.136 χ^2/NDF: 52.8/58

All: 82.766+/-213.009 χ^2/NDF: 226.4/118

- sign -2185.747+/-303.389 χ^2/NDF: 63.3/59

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1959.260+/-0.301 χ^2/NDF: 755378.5/33

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

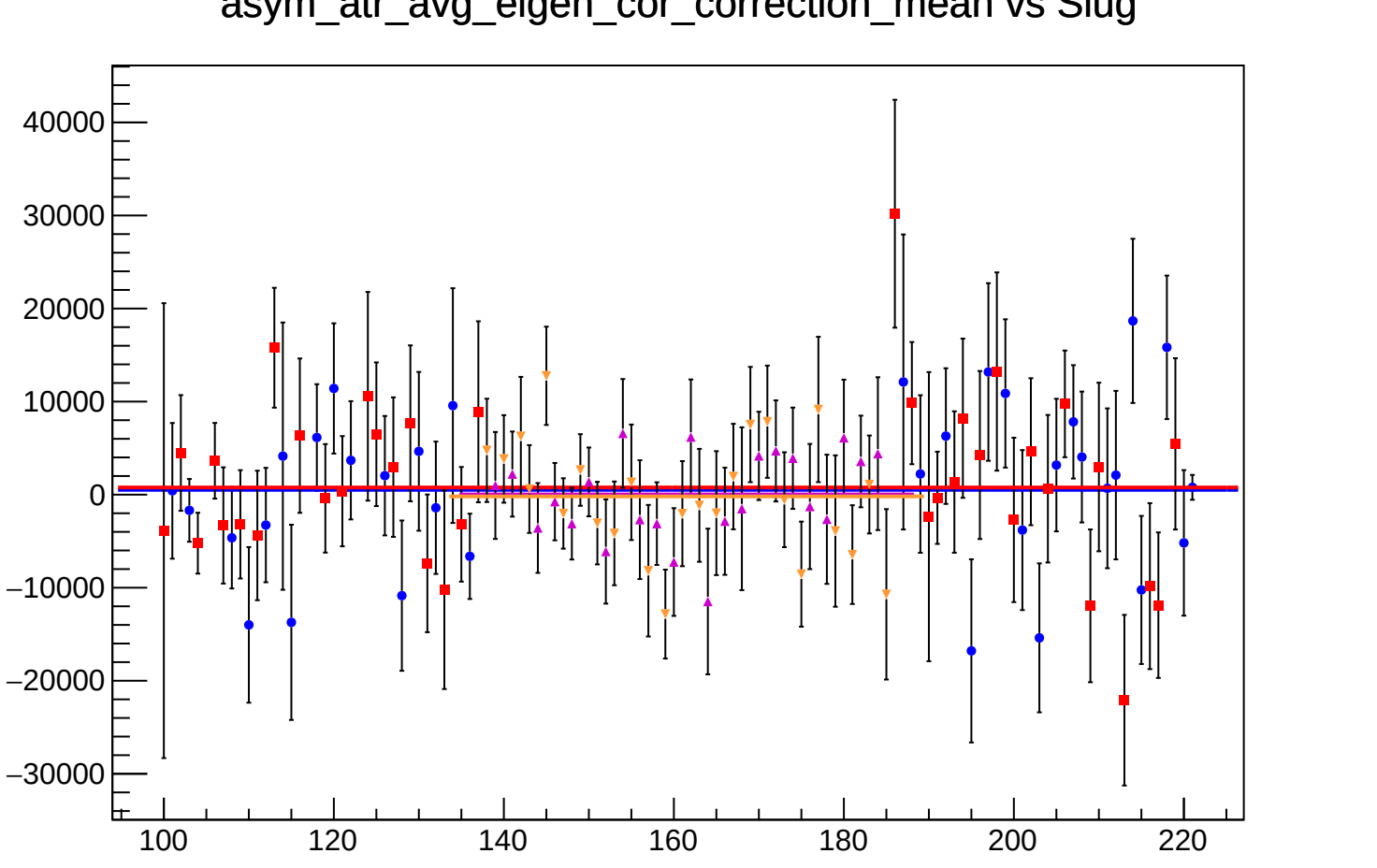
Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1903.088+/-0.212 χ^2/NDF: 844772.0/58

All: 1901.544+/-0.151 χ^2/NDF: 1342243.0/11

- sign 1899.958+/-0.214 χ^2/NDF: 497363.1/59



Right In: 513.175+/-907.110 χ^2/NDF: 39.9/33

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 770.960+/-1149.917 χ^2/NDF: 42.9/36

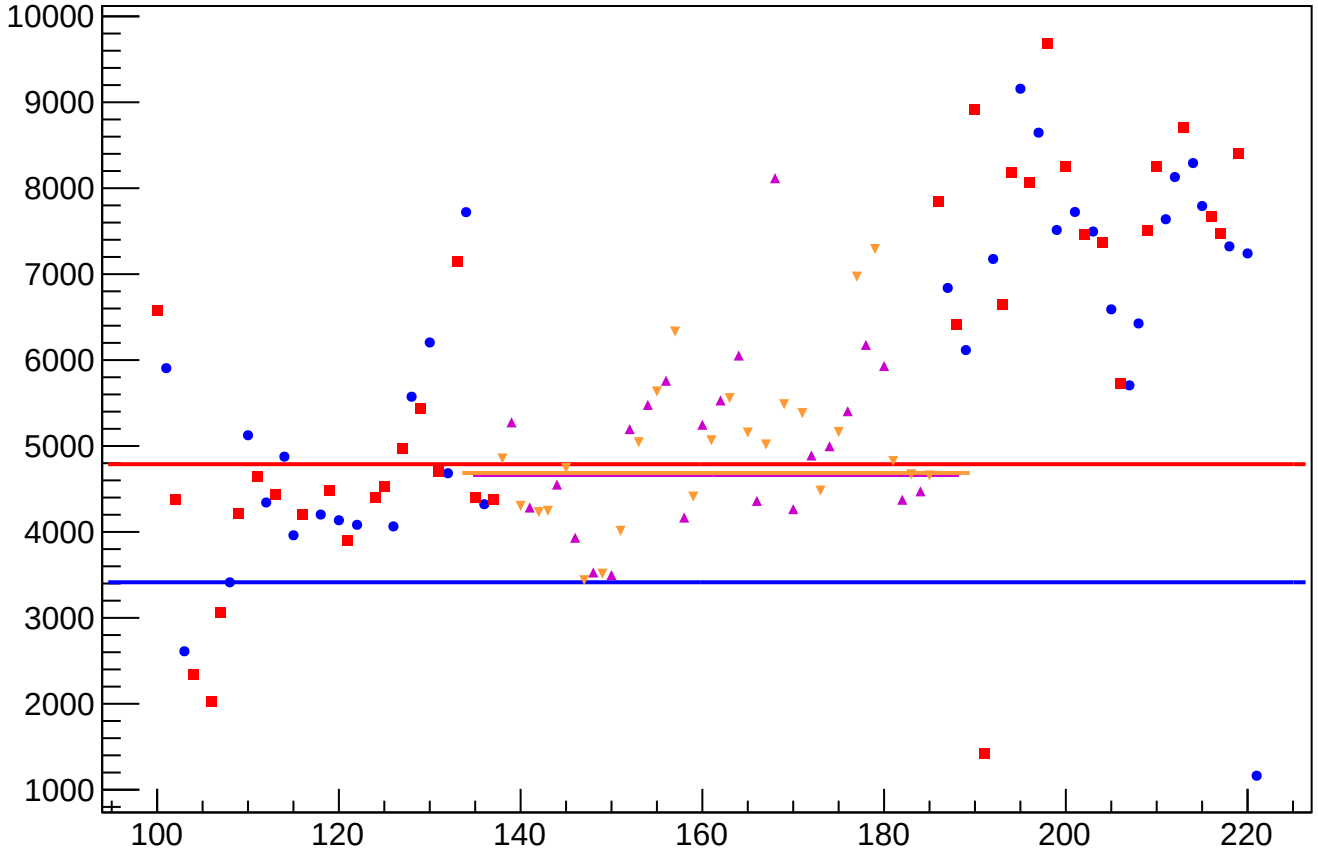
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

\+ sign 225.225+/-696.884 χ^2/NDF: 69.1/58

All: 293.247+/-525.354 χ^2/NDF: 126.0/118

\- sign 382.795+/-799.584 χ^2/NDF: 56.9/59

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 3414.336+/-0.641 χ^2/NDF: 14961231.2/33

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

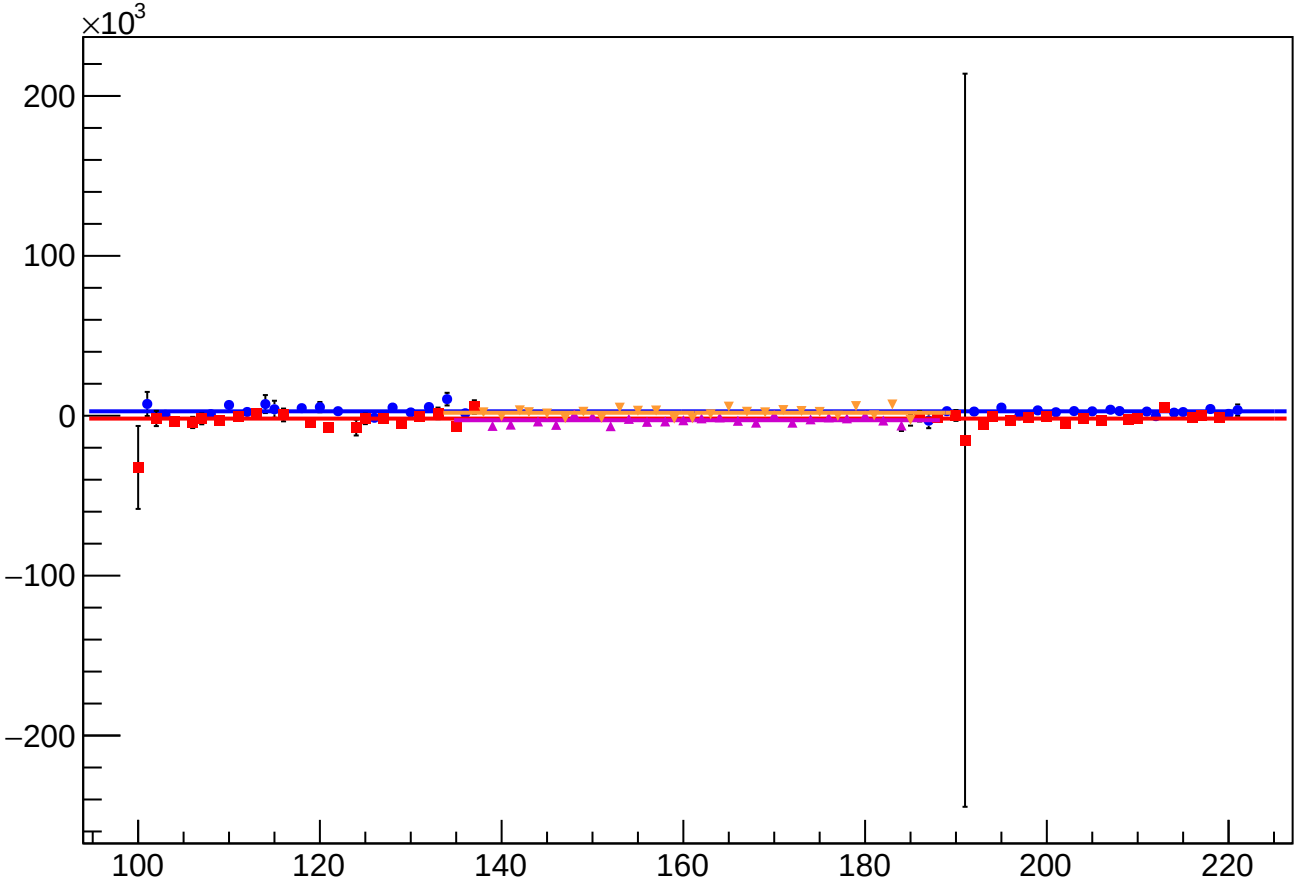
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 3935.604+/-0.493 χ^2/NDF: 17757935.5/58

All: 4275.825+/-0.371 χ^2/NDF: 27458346.7/1

- sign 4723.713+/-0.565 χ^2/NDF: 8596185.3/59

dit_asym_atr_avg_mean vs Slug



Right In: 2774.625+/-433.393 χ^2/NDF: 20.1/33

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -1775.530+/-435.643 χ^2/NDF: 35.7/36

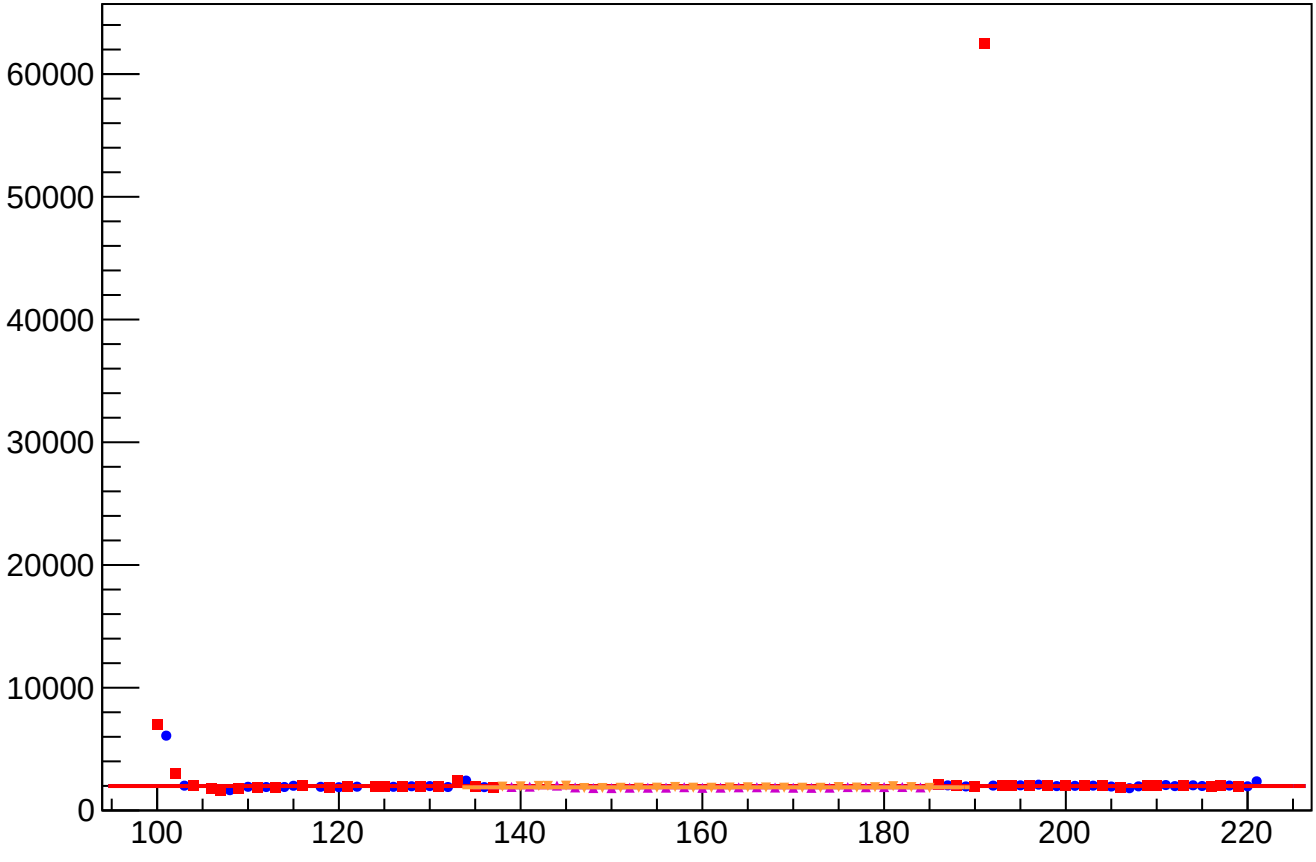
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2323.203+/-304.883 χ^2/NDF: 55.2/58

All: 53.392+/-217.132 χ^2/NDF: 231.6/118

- sign -2282.783+/-309.308 χ^2/NDF: 63.9/59

dit_asym_atr_avg_rms vs Slug



Right In: 1993.243+/-0.306 χ^2/NDF: 719246.7/33

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437218.2/36

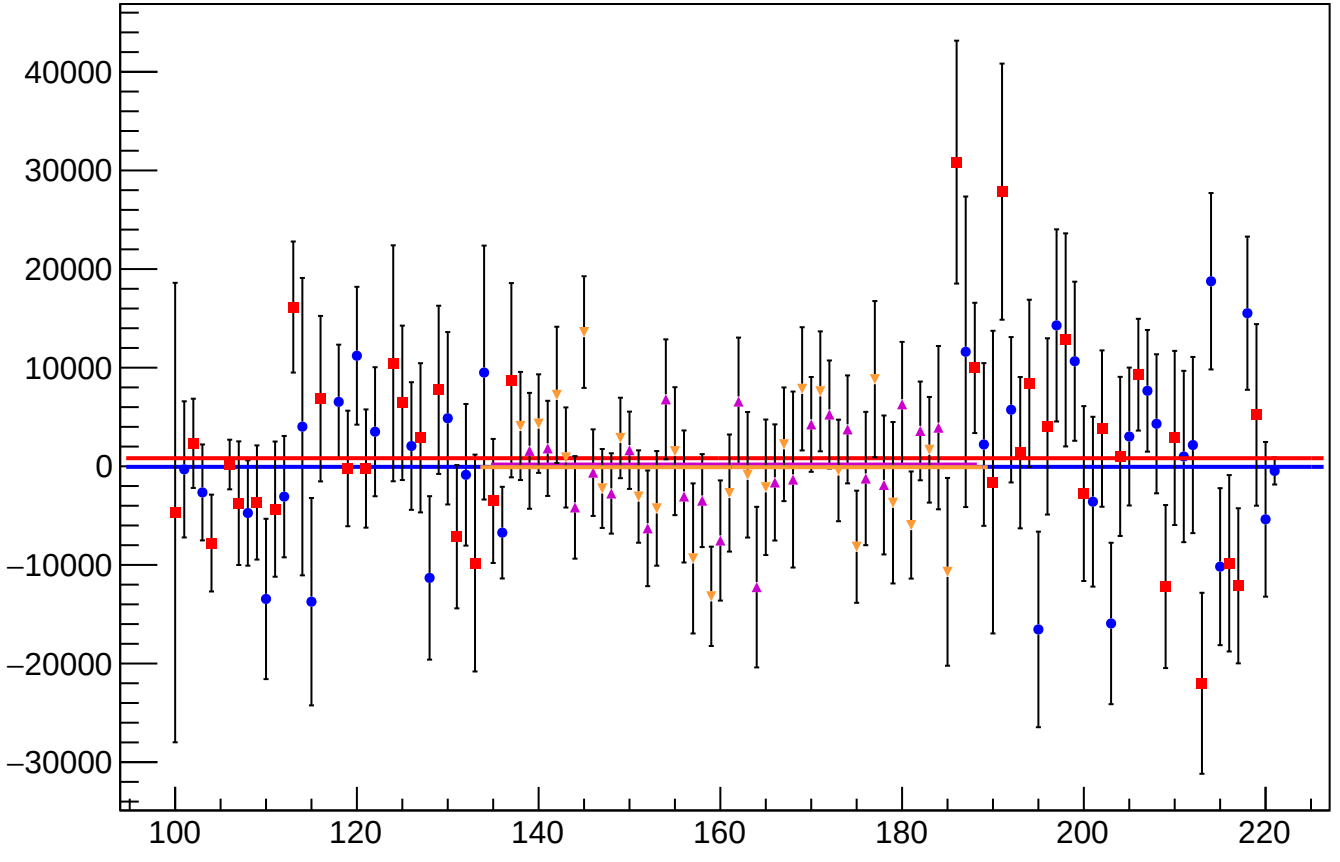
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1939.853+/-0.216 χ^2/NDF: 811291.2/58

All: 1937.599+/-0.154 χ^2/NDF: 1329292.0/11

- sign 1935.280+/-0.219 χ^2/NDF: 517779.0/59

asym_atr_avg_dit_correction_mean vs Slug



Right In: -57.055+/-938.409 χ^2/NDF: 39.6/33

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 821.937+/-1129.113 χ^2/NDF: 46.1/36

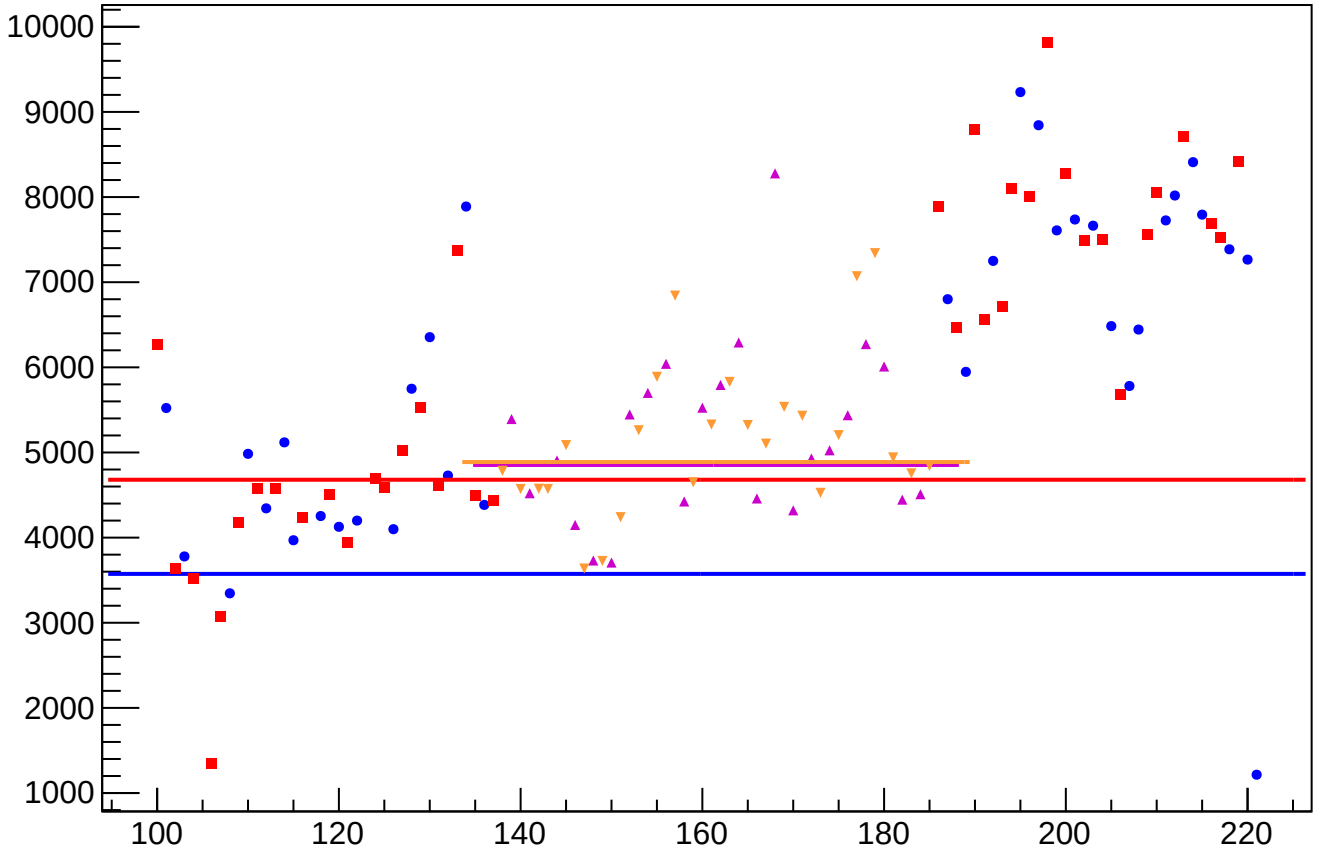
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -71.225+/-722.769 χ^2/NDF: 67.7/58

All: 185.938+/-538.626 χ^2/NDF: 127.7/118

- sign 507.140+/-807.762 χ^2/NDF: 59.8/59

asym_atr_avg_dit_correction_rms vs Slug



Right In: 3573.921+/-0.664 χ^2/NDF: 14336633.1/33

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4679.746+/-0.798 χ^2/NDF: 8356573.1/36

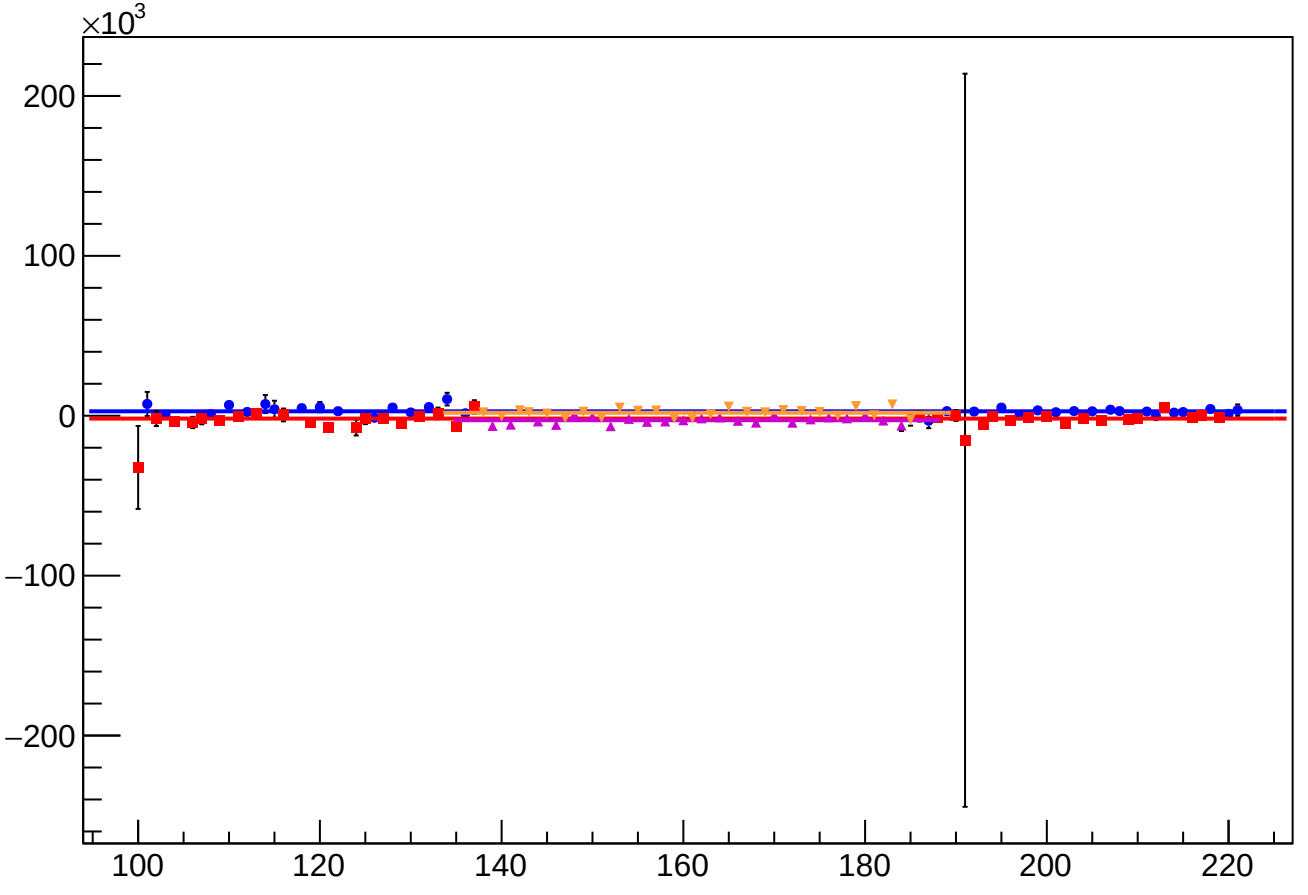
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4108.392+/-0.511 χ^2/NDF: 16994826.0/58

All: 4400.126+/-0.381 χ^2/NDF: 27285945.3/1

- sign 4764.508+/-0.571 χ^2/NDF: 9558295.9/59

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2774.620+/-433.393 χ^2/NDF: 20.1/33

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -1775.531+/-435.643 χ^2/NDF: 35.7/36

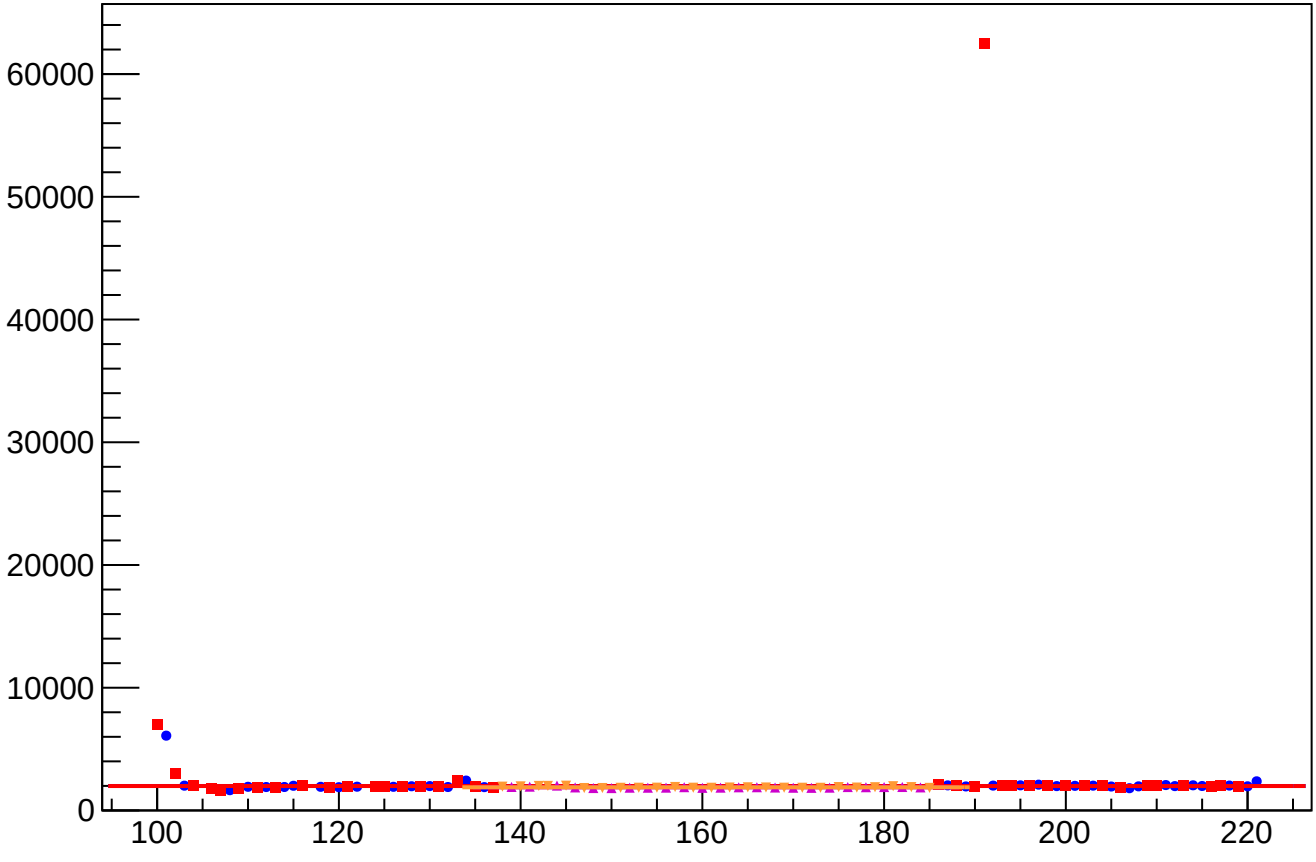
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2323.198+/-304.883 χ^2/NDF: 55.2/58

All: 53.389+/-217.132 χ^2/NDF: 231.6/118

- sign -2282.783+/-309.308 χ^2/NDF: 63.9/59

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1993.243+/-0.306 χ^2/NDF: 719247.0/33

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

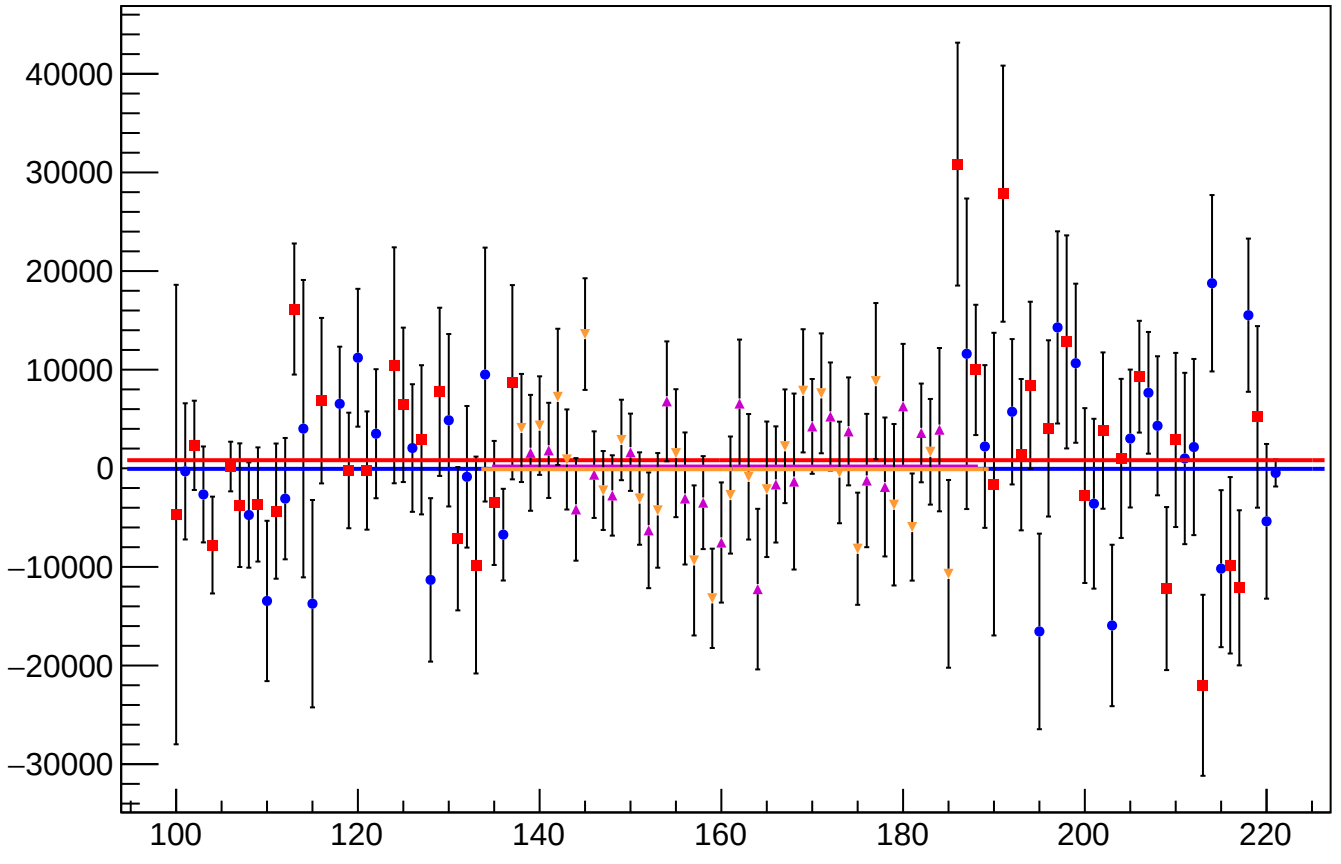
Right Out: 1989.061+/-0.308 χ^2/NDF: 437217.7/36

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1939.854+/-0.216 χ^2/NDF: 811290.5/58

All: 1937.600+/-0.154 χ^2/NDF: 1329289.9/11

- sign 1935.280+/-0.219 χ^2/NDF: 517777.6/59



Right In: -57.047+/-938.411 χ^2/NDF: 39.6/33

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 821.936+/-1129.112 χ^2/NDF: 46.1/36

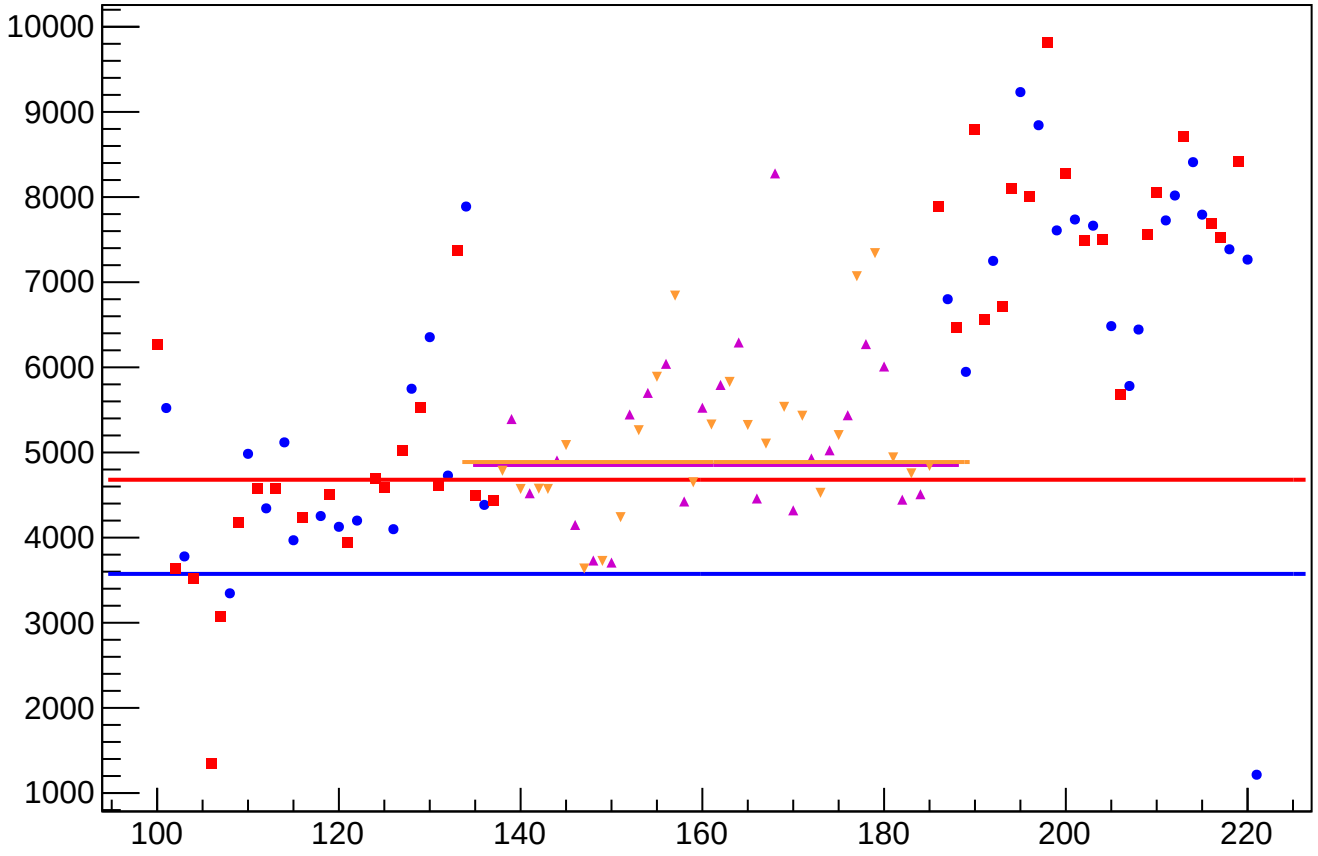
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -71.221+/-722.770 χ^2/NDF: 67.7/58

All: 185.942+/-538.627 χ^2/NDF: 127.7/118

\- sign 507.141+/-807.763 χ^2/NDF: 59.8/59

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 3573.929+/-0.664 χ^2/NDF: 14336576.3/33

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4679.737+/-0.798 χ^2/NDF: 8356623.4/36

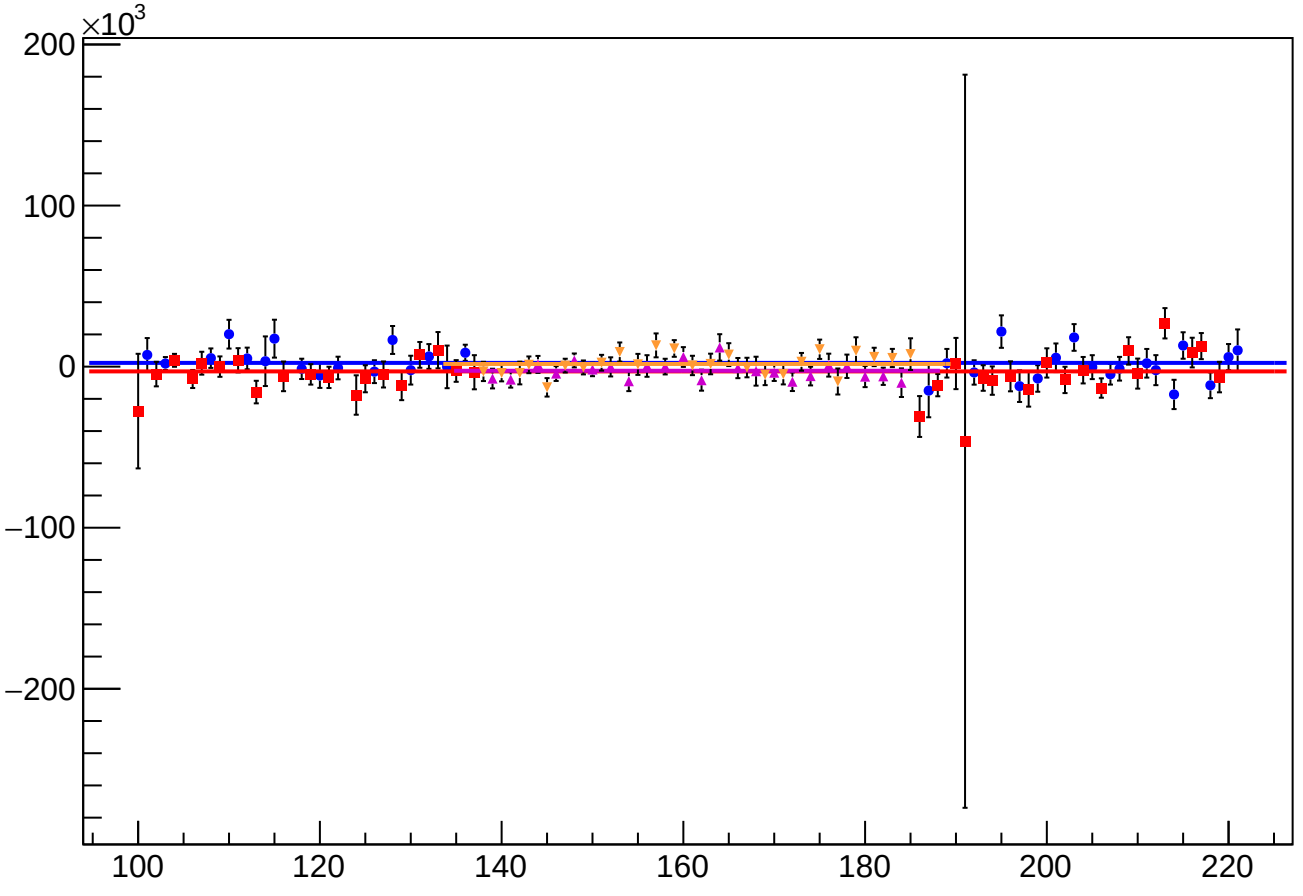
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4108.399+/-0.511 χ^2/NDF: 16994764.2/58

All: 4400.131+/-0.381 χ^2/NDF: 27285919.2/1

- sign 4764.506+/-0.571 χ^2/NDF: 9558353.0/59

asym_atr_avg_mean vs Slug



Right In: 2329.500+/-1336.472 χ^2/NDF: 37.8/33

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -2958.076+/-1310.830 χ^2/NDF: 45.3/36

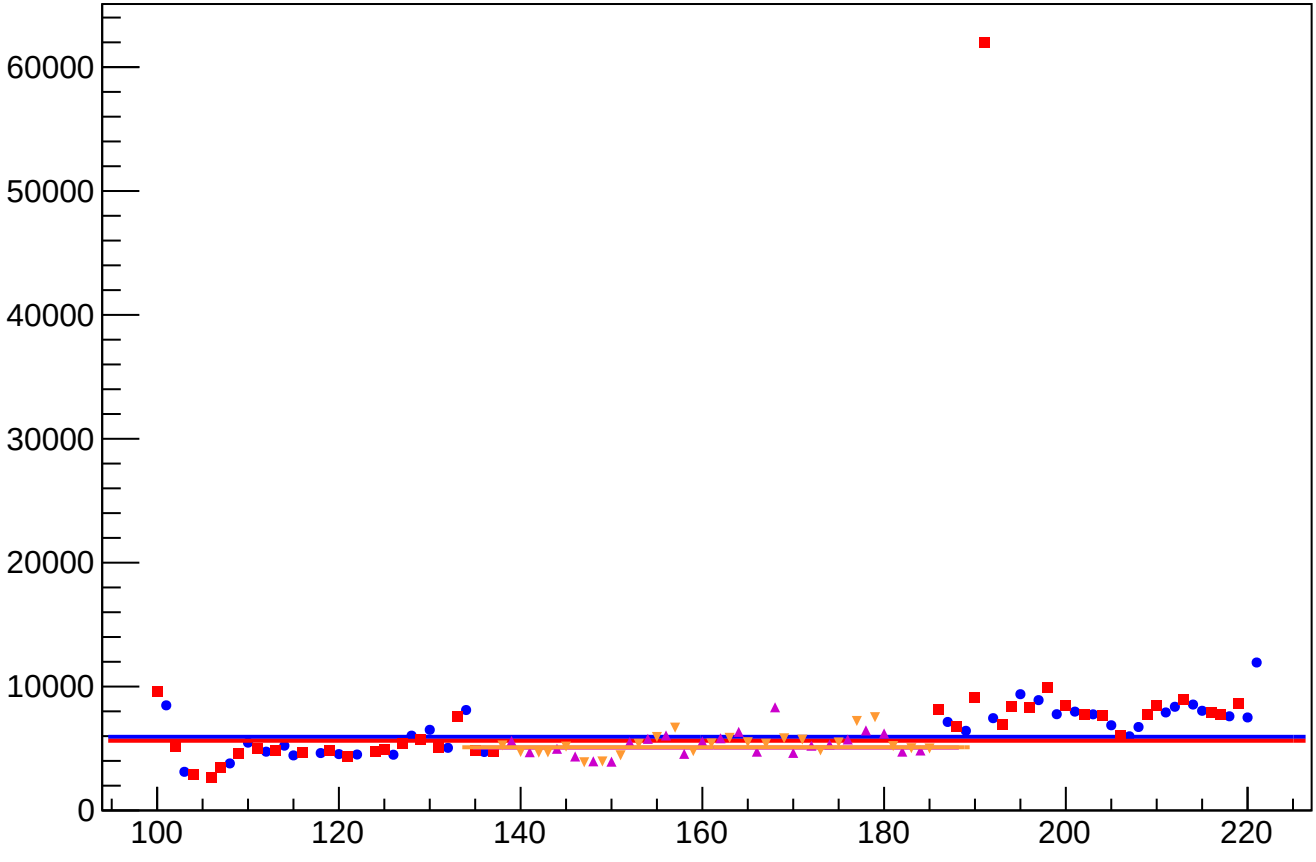
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 1949.876+/-883.991 χ^2/NDF: 63.9/58

All: -389.438+/-626.103 χ^2/NDF: 139.3/118

- sign -2744.186+/-886.902 χ^2/NDF: 61.3/59

asym_atr_avg_rms vs Slug



Right In: 5944.021+/-0.945 χ^2/NDF: 3967406.3/33

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5626.331+/-0.922 χ^2/NDF: 4757896.0/36

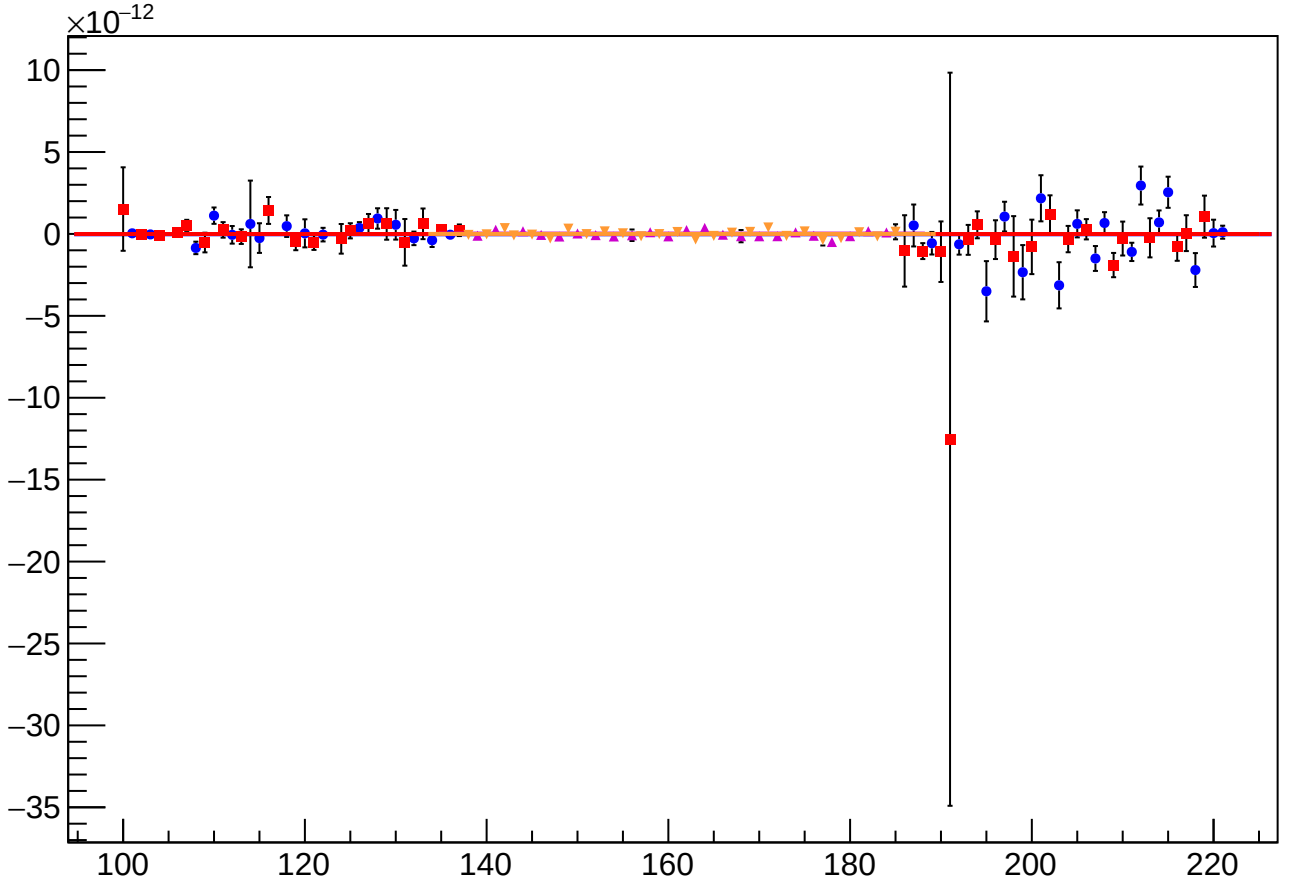
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5469.618+/-0.625 χ^2/NDF: 5324739.7/58

All: 5398.903+/-0.442 χ^2/NDF: 11294144.8/1

- sign 5328.071+/-0.626 χ^2/NDF: 5943787.1/59

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 60.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/36

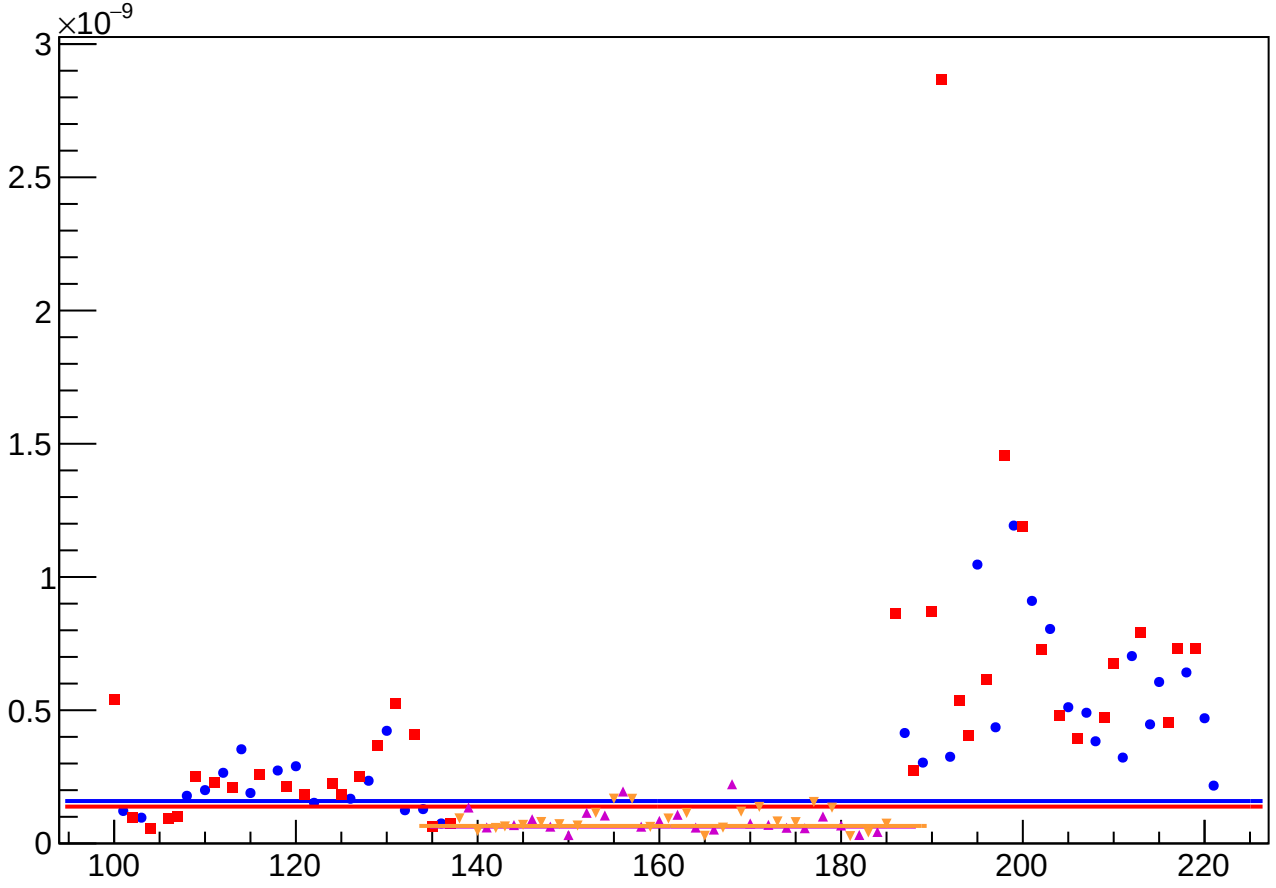
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.9/58

All: 0.000+/-0.000 χ^2/NDF: 158.4/118

- sign 0.000+/-0.000 χ^2/NDF: 64.3/59

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7554188.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9474594.5/36

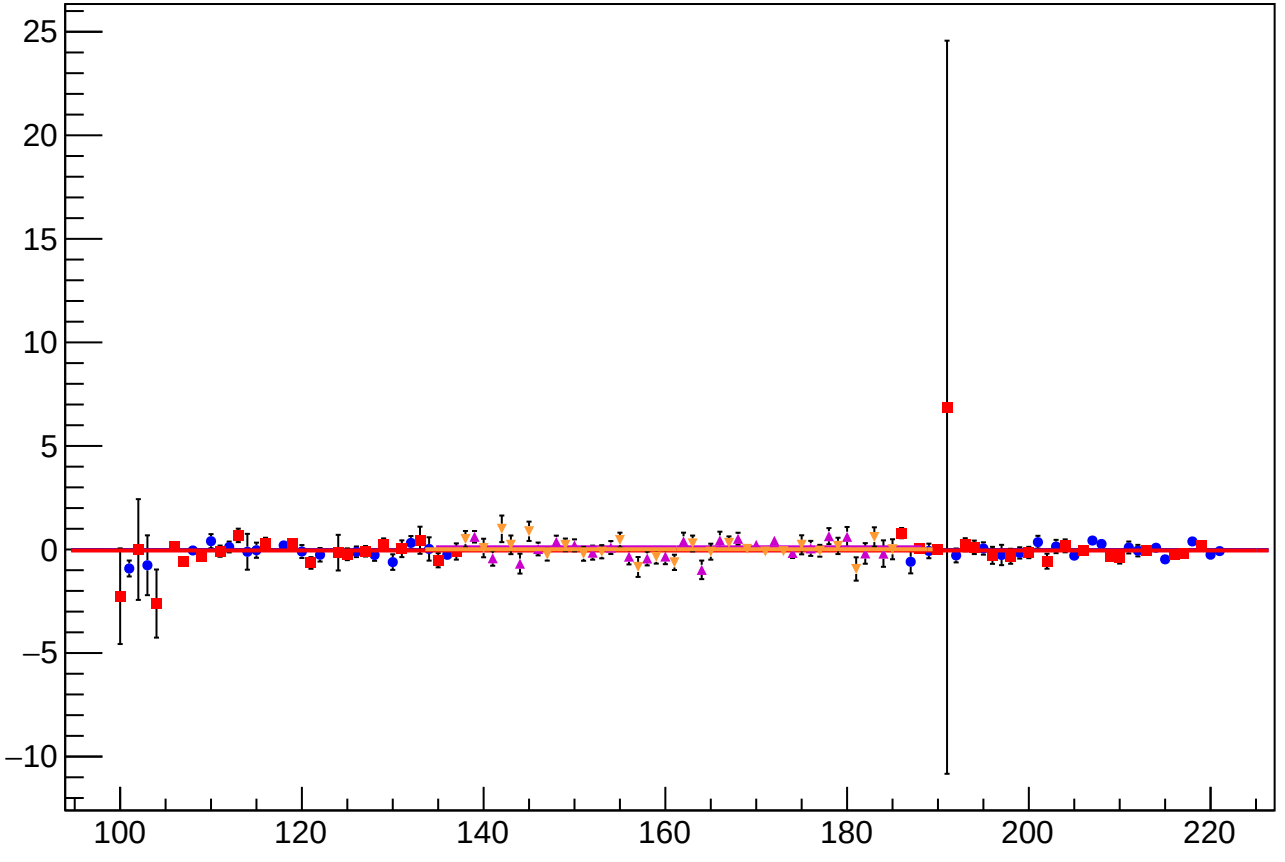
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13127063.9/58

All: 0.000+/-0.000 χ^2/NDF: 26871502.7/118

- sign 0.000+/-0.000 χ^2/NDF: 13708372.0/59

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

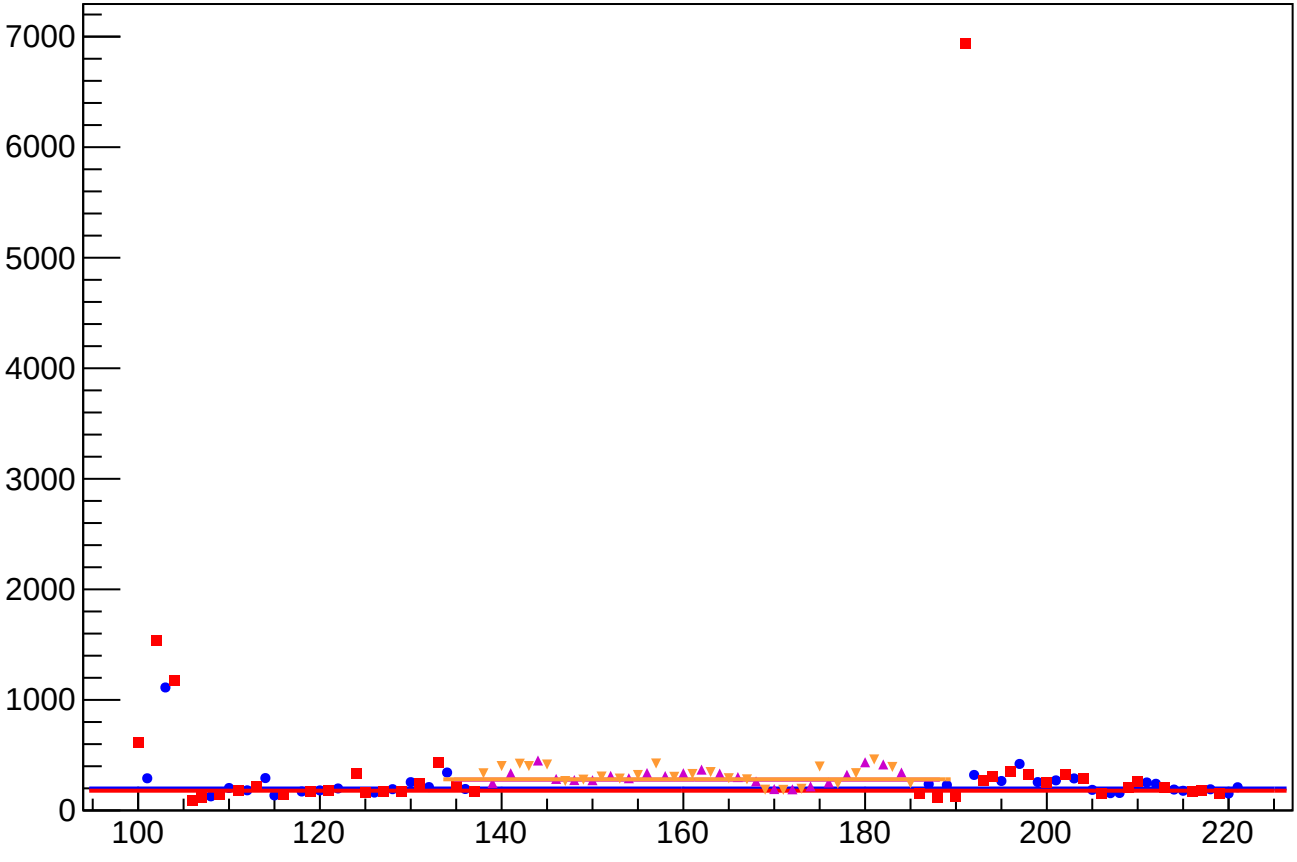
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.009+/-0.026 χ^2/NDF: 154.0/118

- sign -0.004+/-0.037 χ^2/NDF: 86.6/59

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 198.448+/-0.032 χ^2/NDF: 3195338.3/33

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

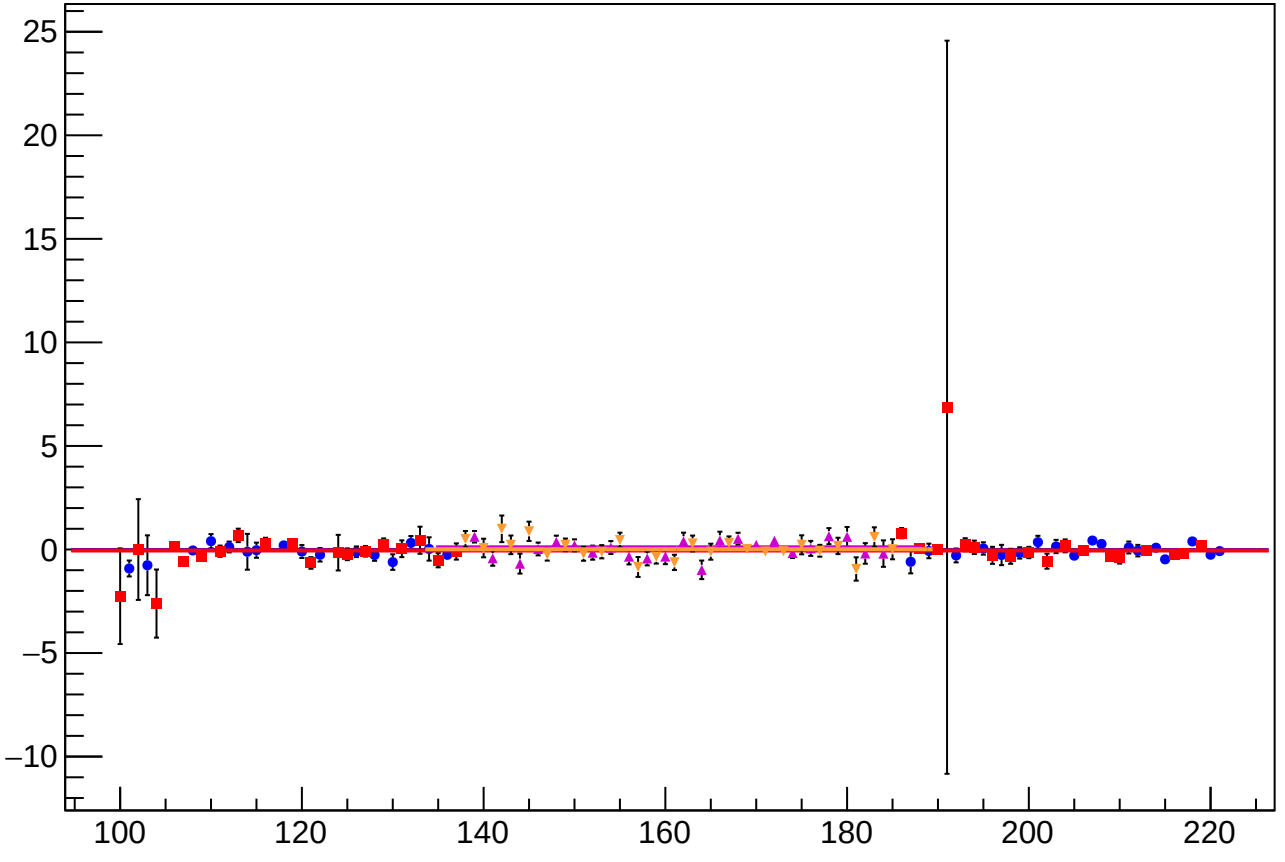
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 224.391+/-0.027 χ^2/NDF: 7784112.6/58

All: 215.490+/-0.019 χ^2/NDF: 18534504.8/11

- sign 207.194+/-0.026 χ^2/NDF: 10537918.1/59

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

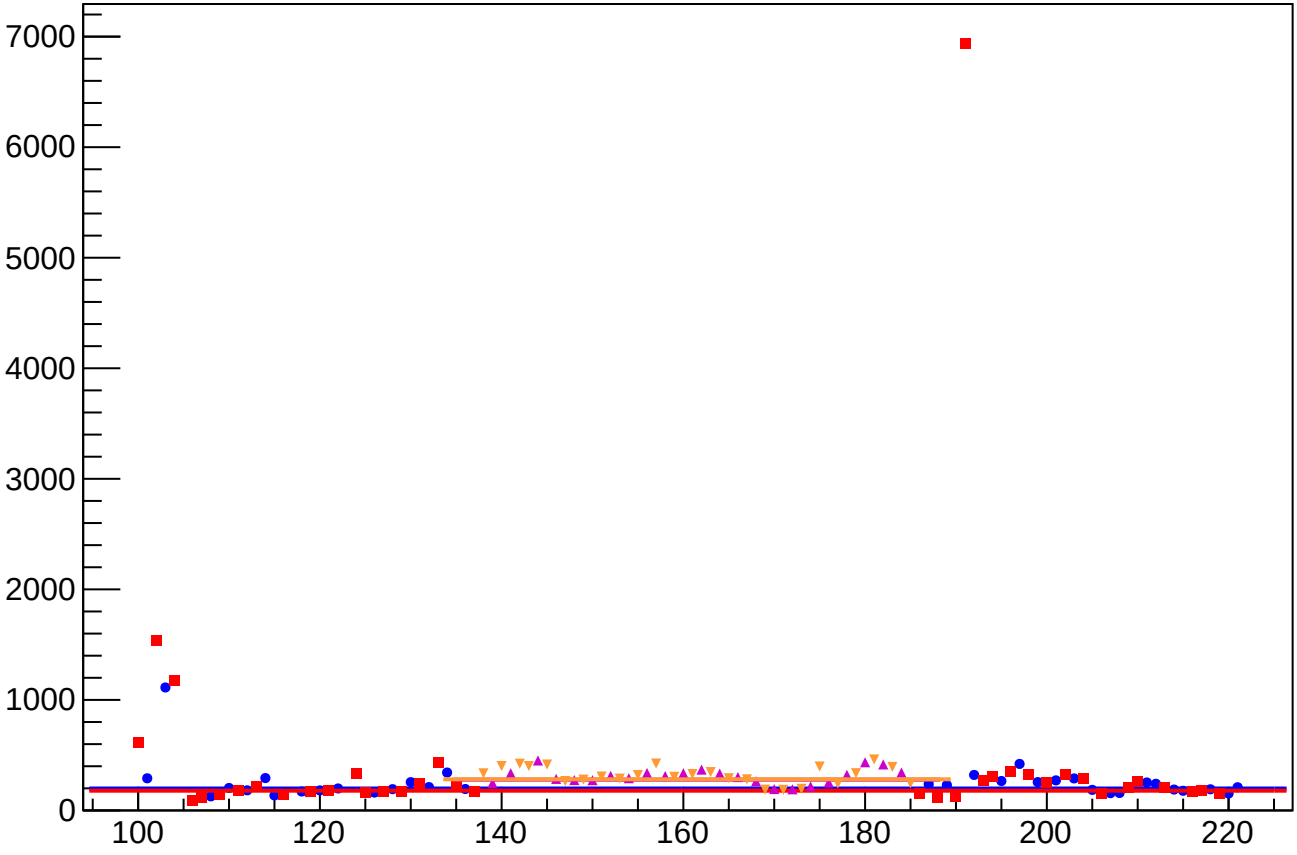
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.009+/-0.026 χ^2/NDF: 154.0/118

- sign -0.004+/-0.037 χ^2/NDF: 86.6/59

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 198.448+/-0.032 χ^2/NDF: 3195338.3/33

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

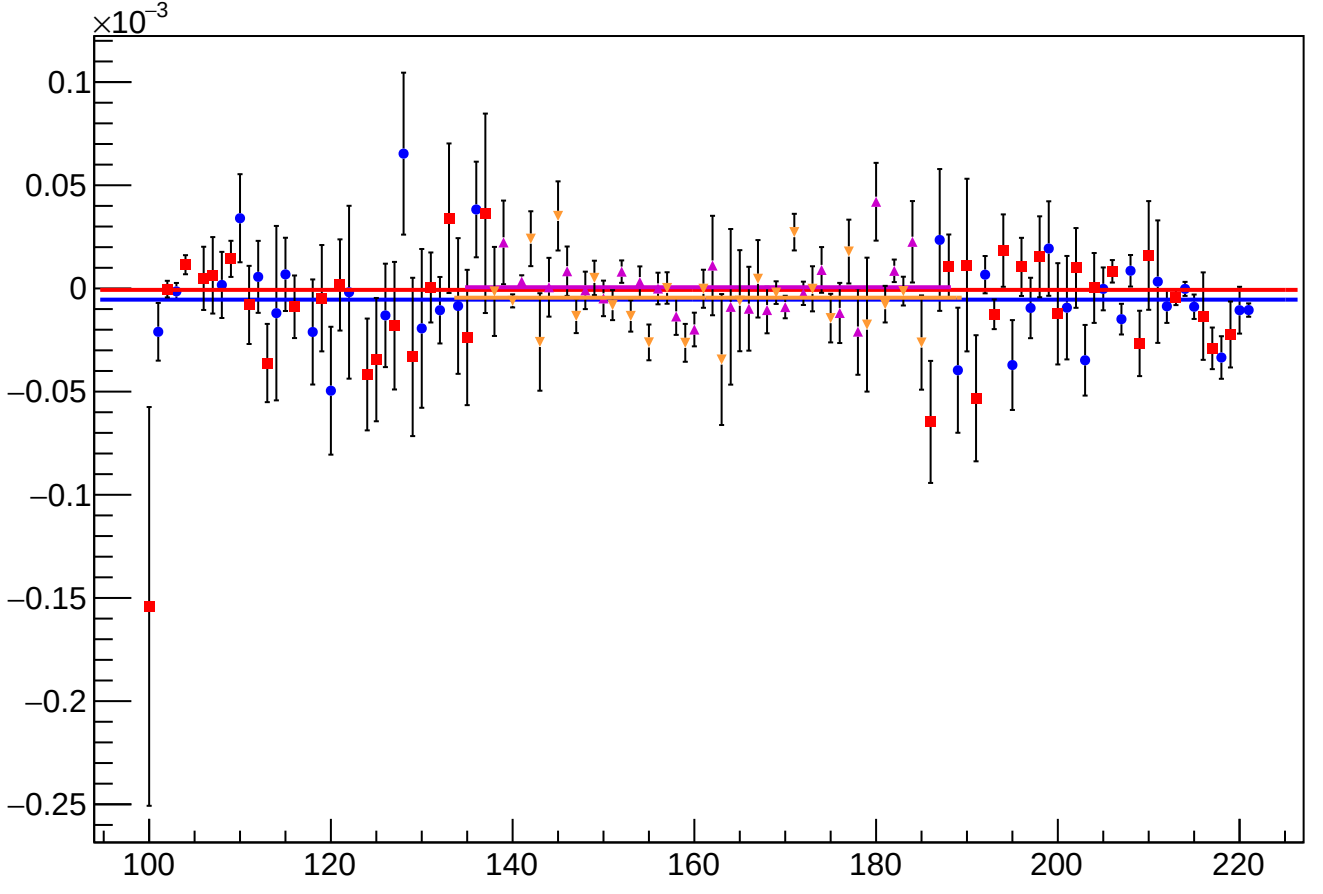
Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 224.391+/-0.027 χ^2/NDF: 7784112.6/58

All: 215.490+/-0.019 χ^2/NDF: 18534504.8/11

- sign 207.194+/-0.026 χ^2/NDF: 10537918.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 44.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 54.1/36

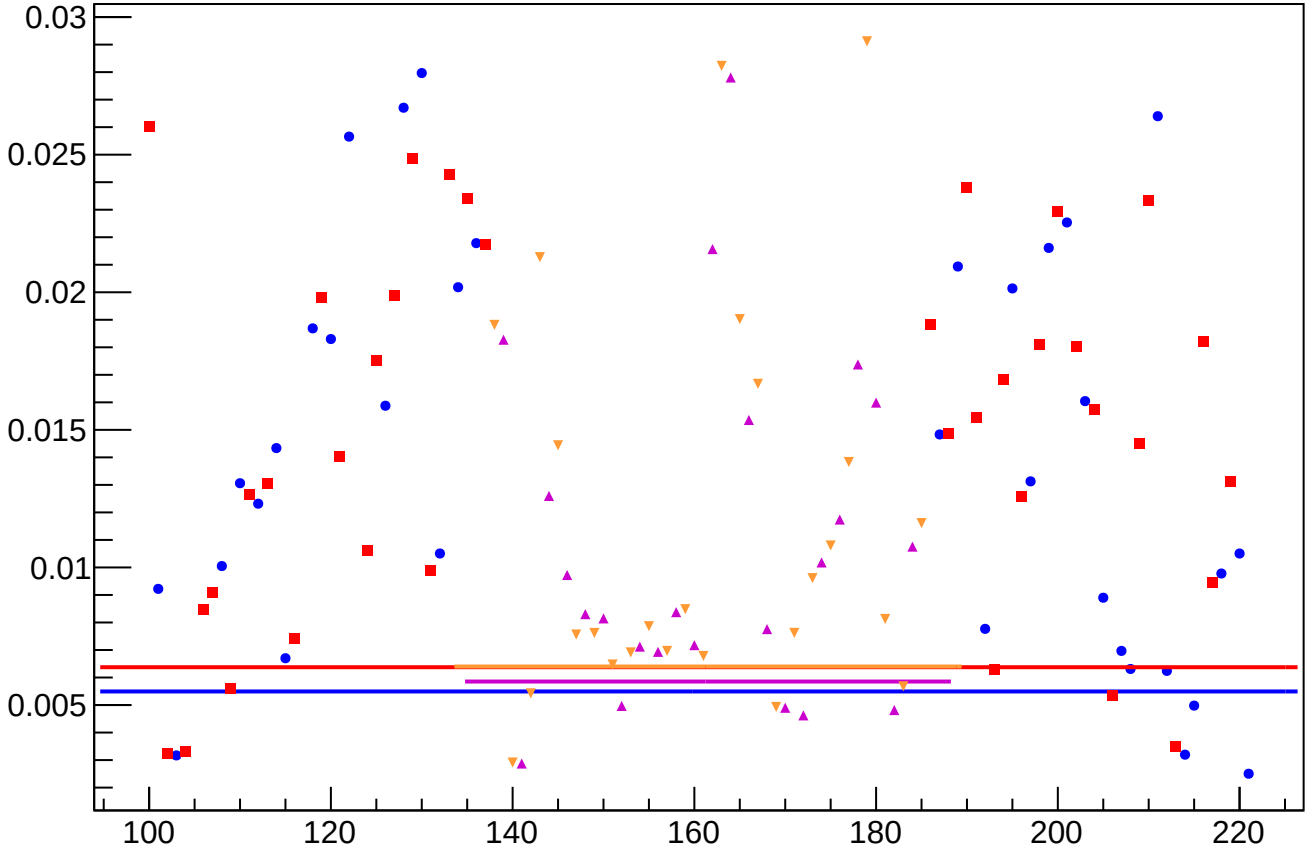
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.1/58

All: -0.000+/-0.000 χ^2/NDF: 183.5/118

- sign -0.000+/-0.000 χ^2/NDF: 83.4/59

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 15752127.6/33

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 15335328.1/36

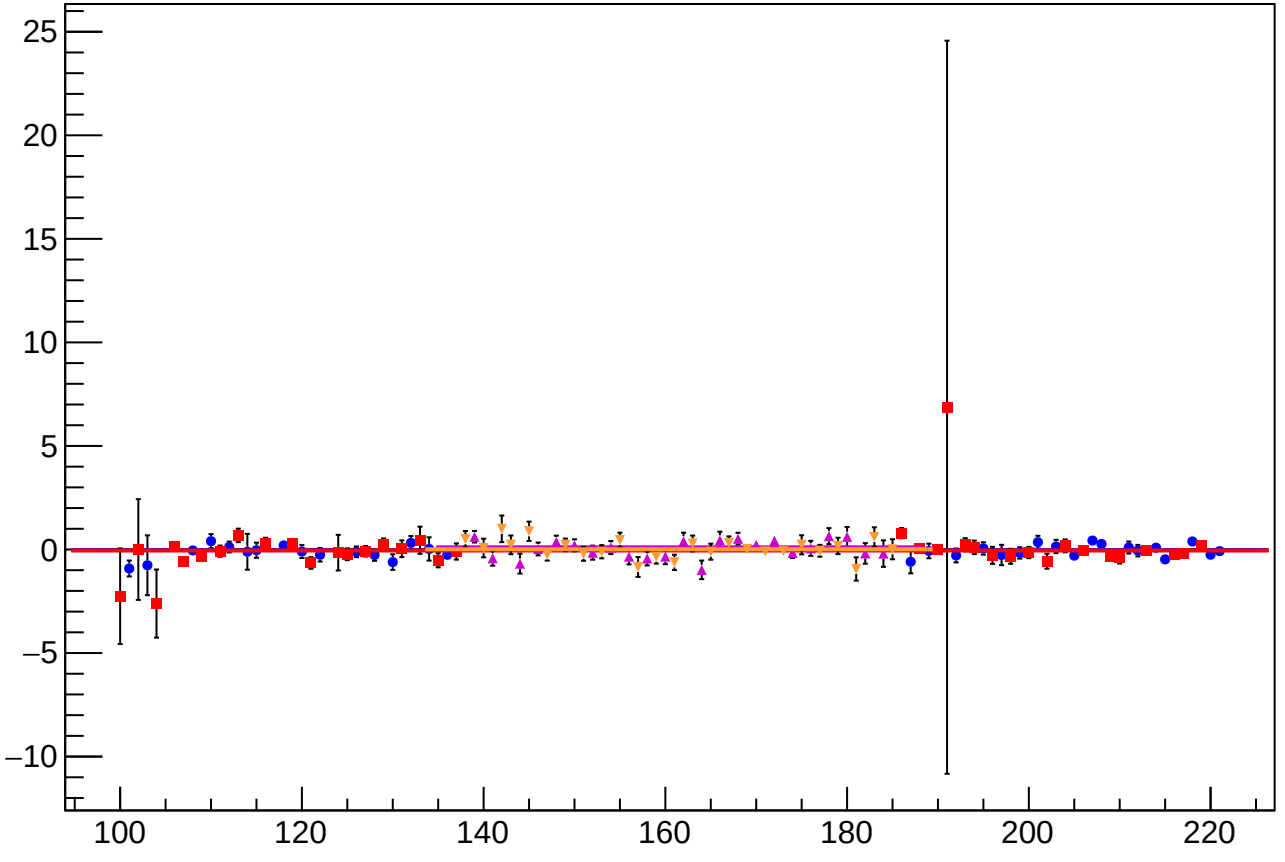
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 25020445.0/58

All: 0.006+/-0.000 χ^2/NDF: 48619941.9/118

- sign 0.006+/-0.000 χ^2/NDF: 23573510.9/59

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

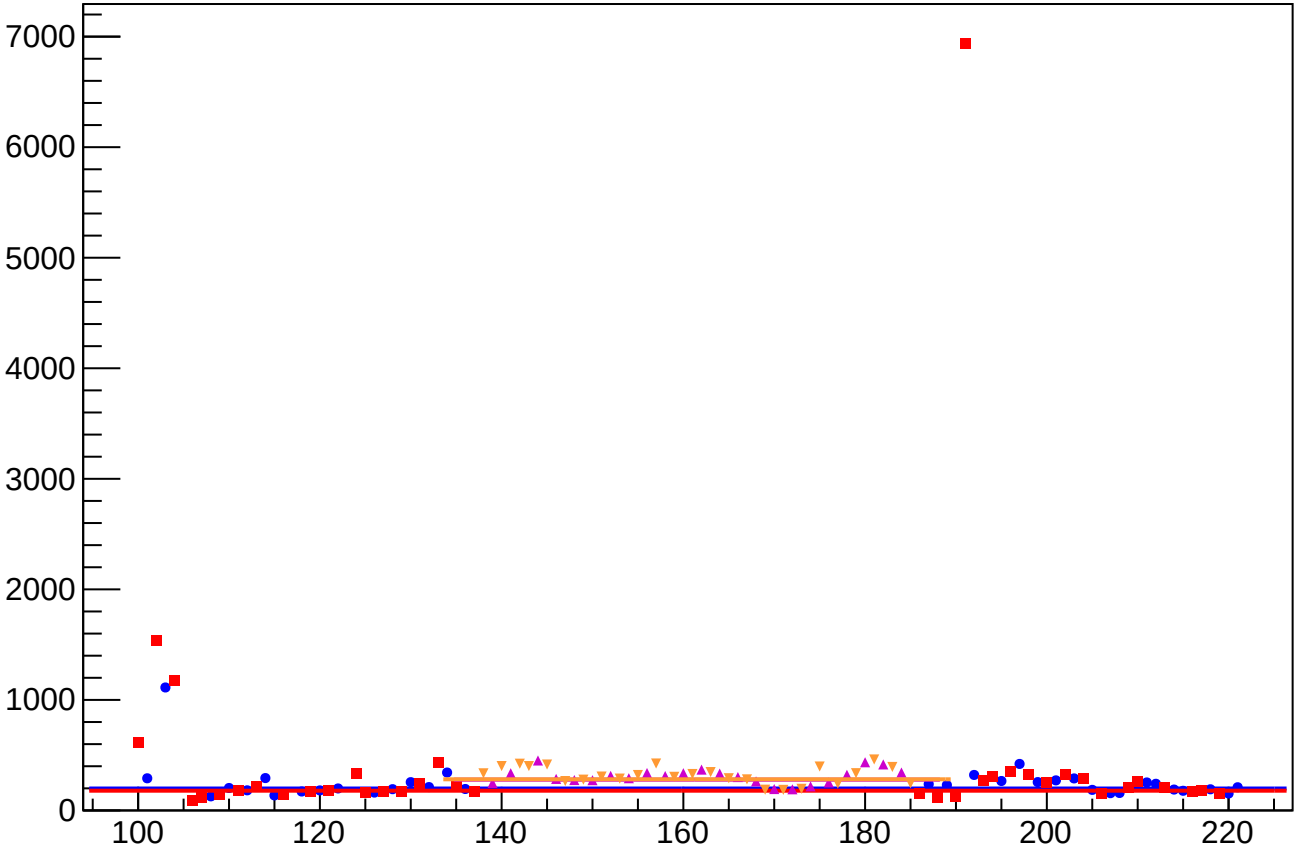
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.009+/-0.026 χ^2/NDF: 154.0/118

- sign -0.004+/-0.037 χ^2/NDF: 86.6/59

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 198.448+/-0.032 χ^2/NDF: 3195361.5/33

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

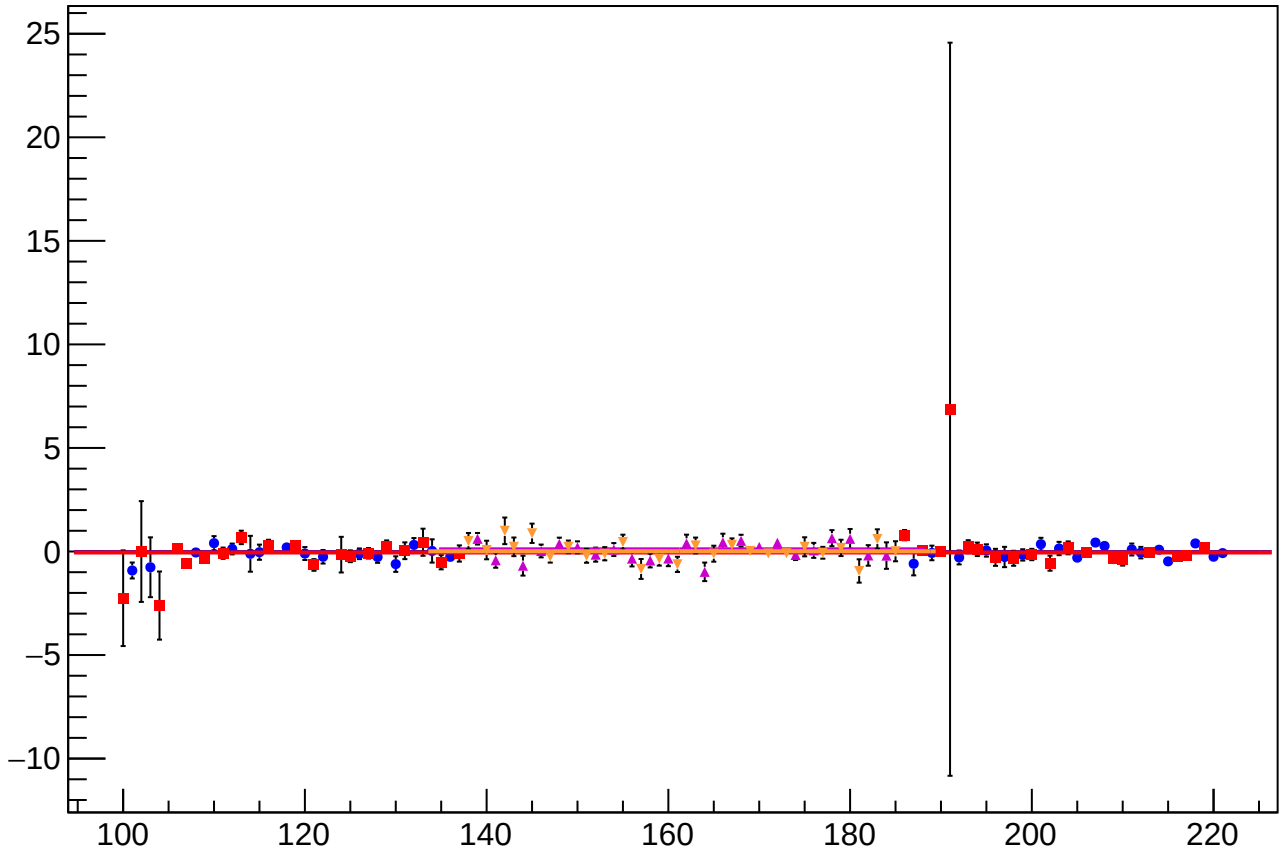
Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 224.392+/-0.027 χ^2/NDF: 7784307.8/58

All: 215.489+/-0.019 χ^2/NDF: 18535223.0/11

- sign 207.192+/-0.026 χ^2/NDF: 10538385.0/59



Right In: -0.028+/-0.046 χ^2/NDF: 41.9/33

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

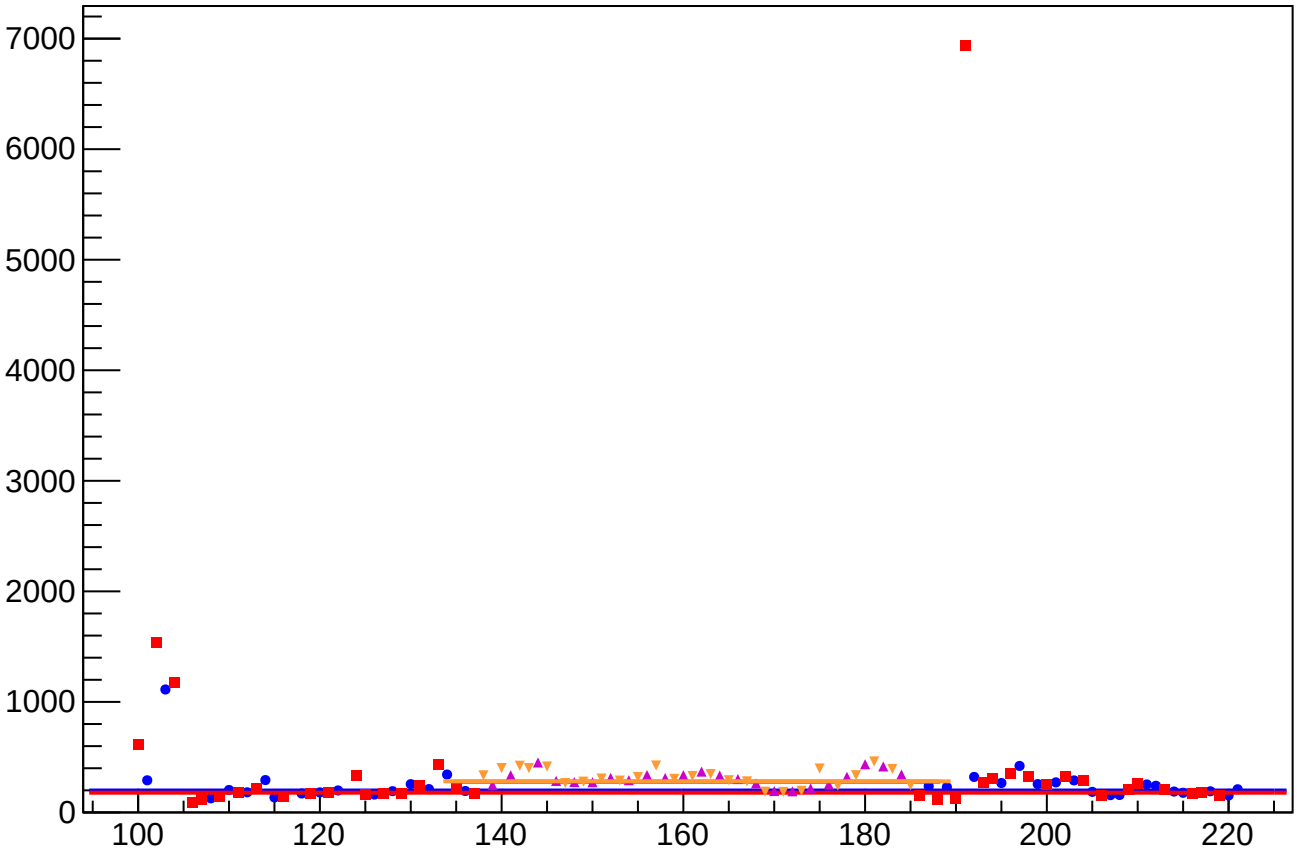
Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.016+/-0.038 χ^2/NDF: 67.4/58

All: -0.009+/-0.026 χ^2/NDF: 154.0/118

\- sign -0.004+/-0.037 χ^2/NDF: 86.6/59



Right In: 198.448+/-0.032 χ^2/NDF: 3195361.5/33

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

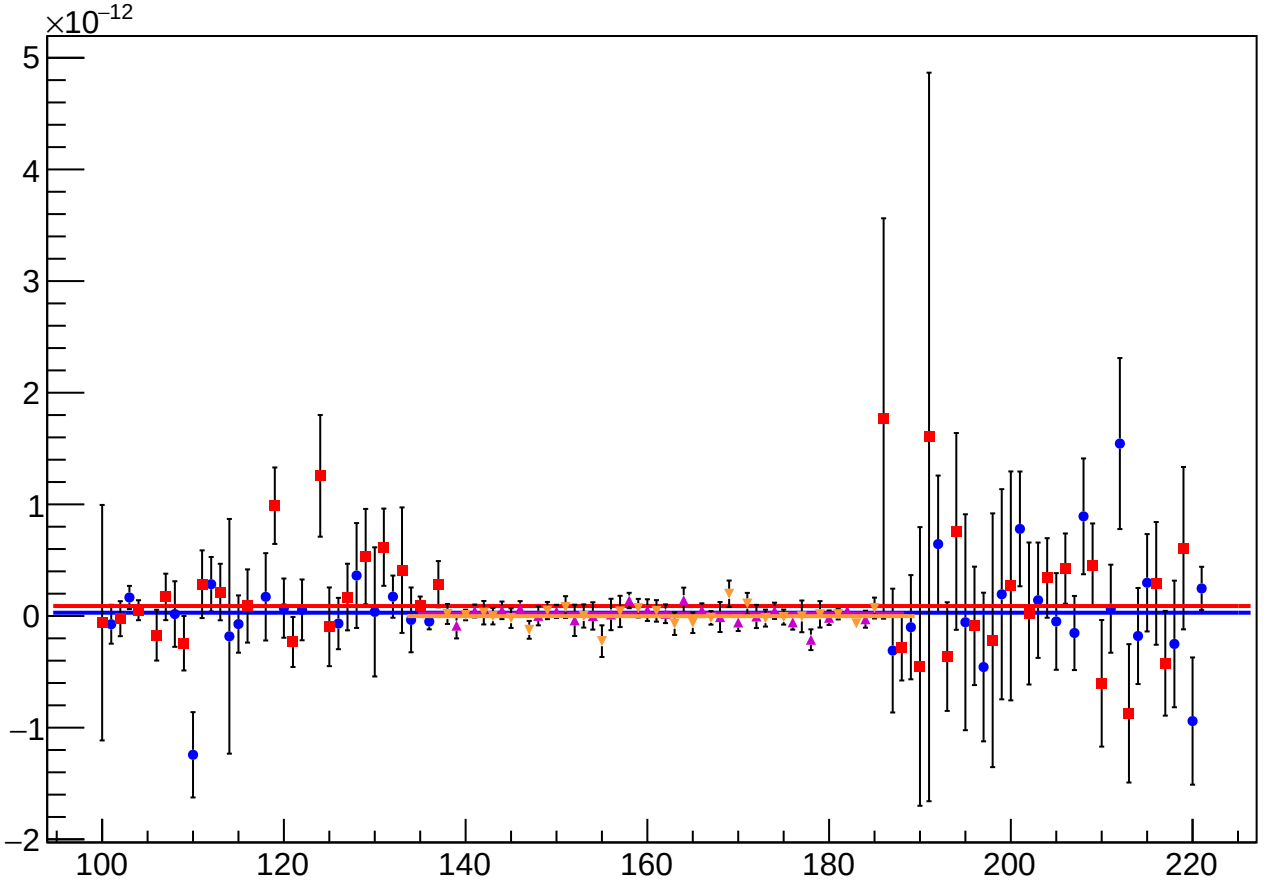
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 224.392+/-0.027 χ^2/NDF: 7784307.8/58

All: 215.489+/-0.019 χ^2/NDF: 18535223.0/11

- sign 207.192+/-0.026 χ^2/NDF: 10538385.0/59

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

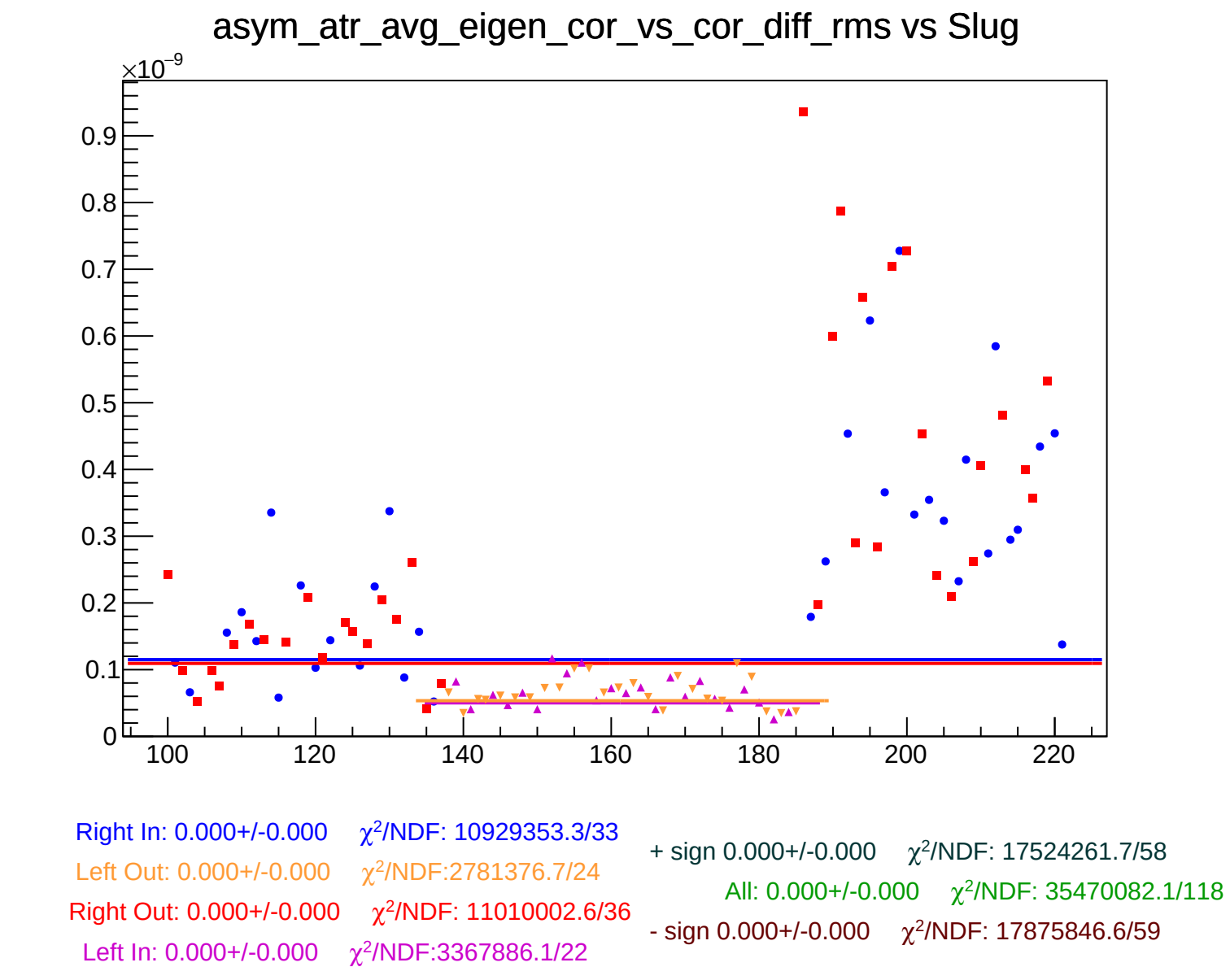
Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/36

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

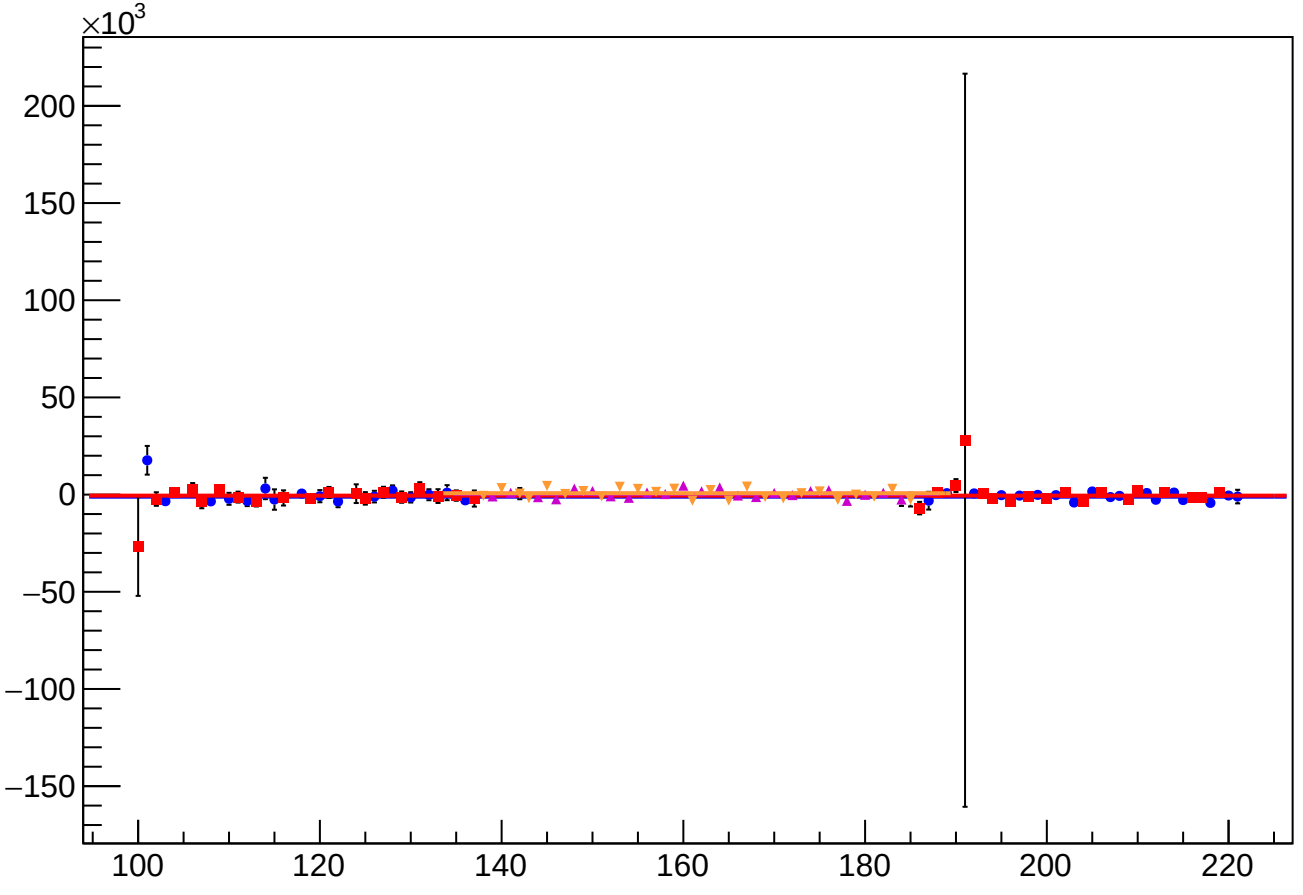
+ sign 0.000+/-0.000 χ^2/NDF: 49.3/58

All: 0.000+/-0.000 χ^2/NDF: 106.3/118

- sign 0.000+/-0.000 χ^2/NDF: 55.2/59


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10929353.3/33
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11010002.6/36
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 17524261.7/58
All: 0.000+/-0.000 χ²/NDF: 35470082.1/118
- sign 0.000+/-0.000 χ²/NDF: 17875846.6/59

reg_asym_atr_dd_mean vs Slug



Right In: -1068.993+/-420.902 χ^2/NDF: 25.0/33

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -532.138+/-421.992 χ^2/NDF: 27.7/36

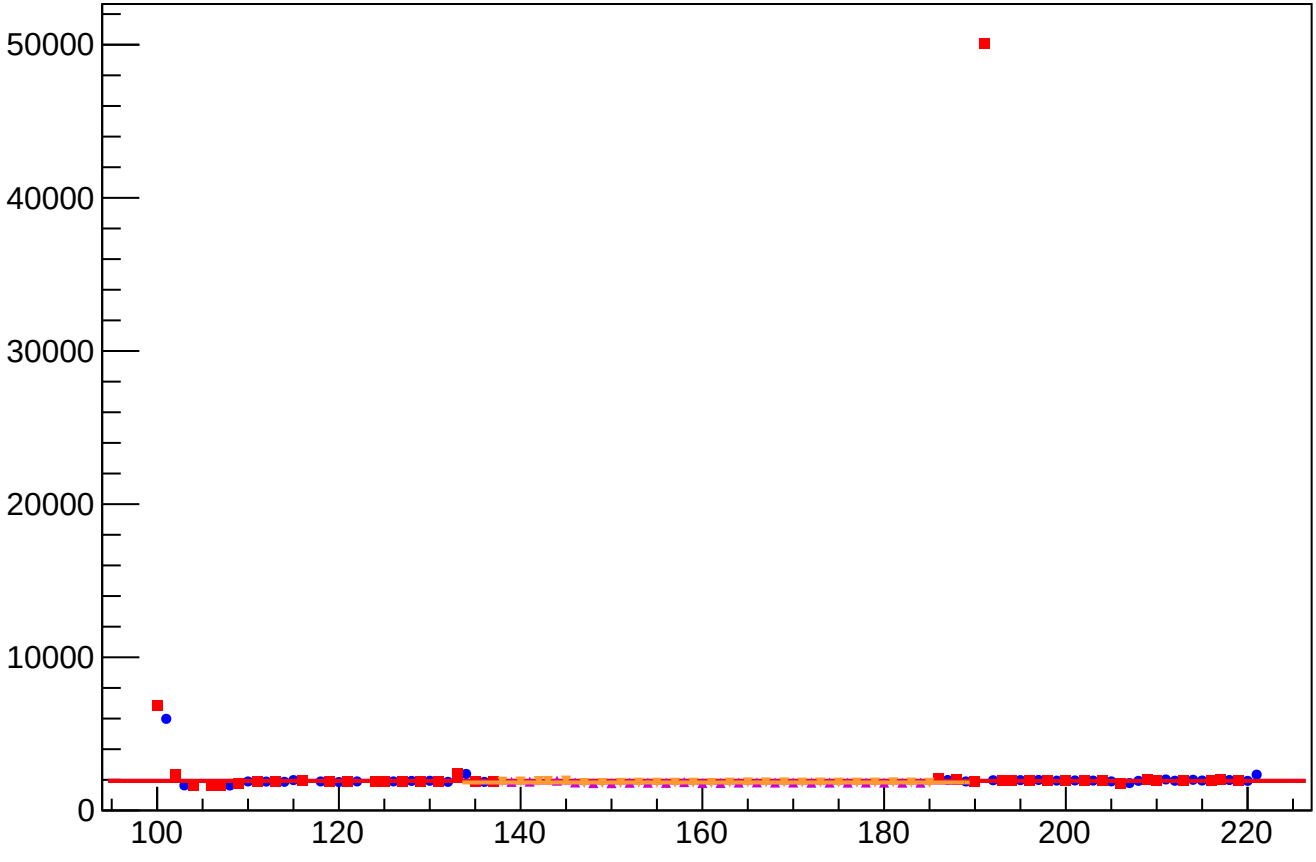
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign -169.914+/-295.652 χ^2/NDF: 65.9/58

All: -120.248+/-210.535 χ^2/NDF: 116.8/118

- sign -69.153+/-299.875 χ^2/NDF: 50.8/59

reg_asym_atr_dd_rms vs Slug



Right In: 1935.244+/-0.298 χ^2/NDF: 752323.3/33

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

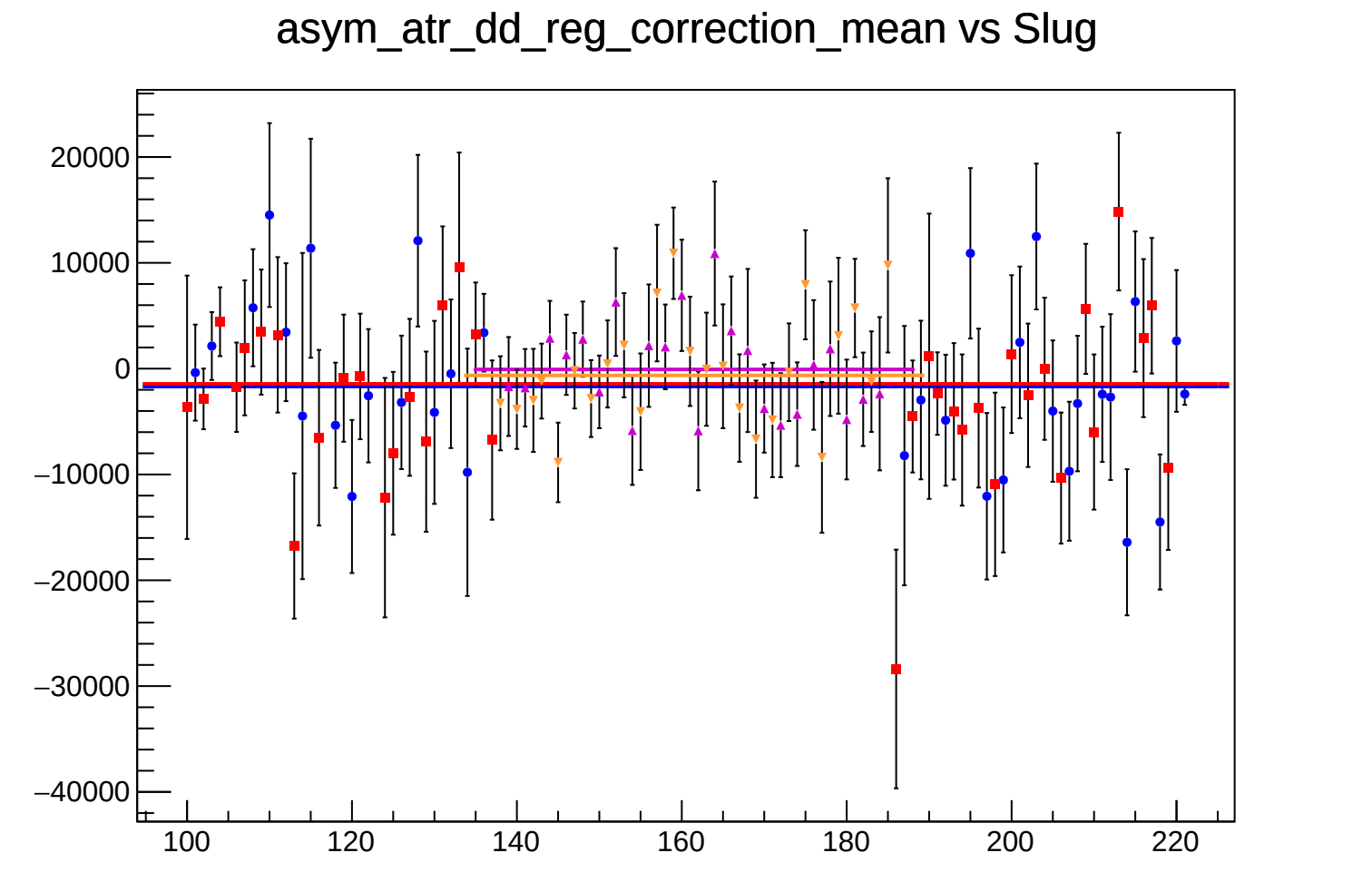
Right Out: 1928.749+/-0.298 χ^2/NDF: 395534.2/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1881.037+/-0.209 χ^2/NDF: 837133.0/58

All: 1879.310+/-0.149 χ^2/NDF: 1305891.5/11

- sign 1877.536+/-0.212 χ^2/NDF: 468620.2/59



Right In: -1684.043+/-752.946 χ^2/NDF: 40.6/33

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

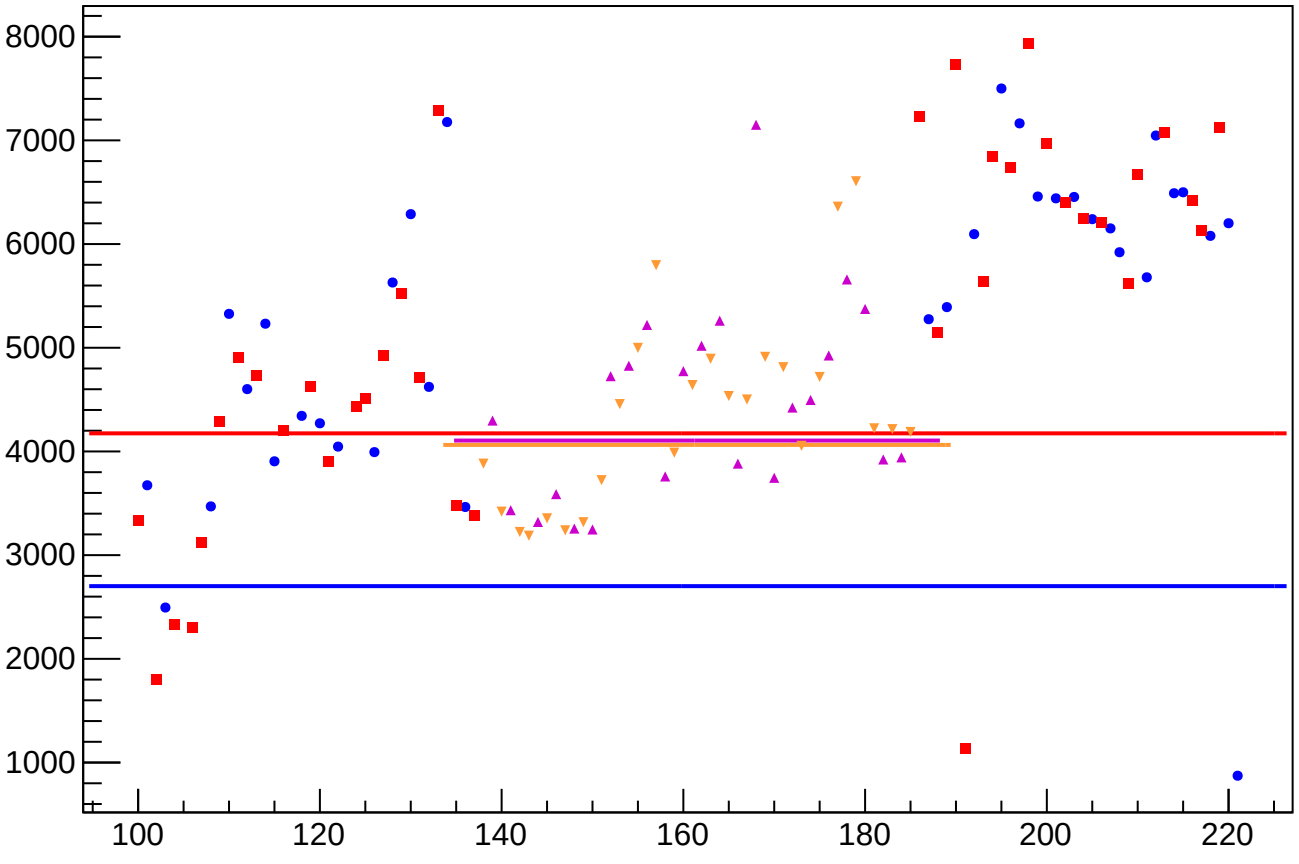
Right Out: -1436.003+/-1007.801 χ^2/NDF: 35.2/36

Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -1278.710+/-589.330 χ^2/NDF: 67.3/58

All: -1055.029+/-451.544 χ^2/NDF: 119.3/118

- sign -737.032+/-702.677 χ^2/NDF: 51.6/59



Right In: 2701.141+/-0.532 χ^2/NDF: 17633672.9/33

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4174.551+/-0.713 χ^2/NDF: 7596406.1/36

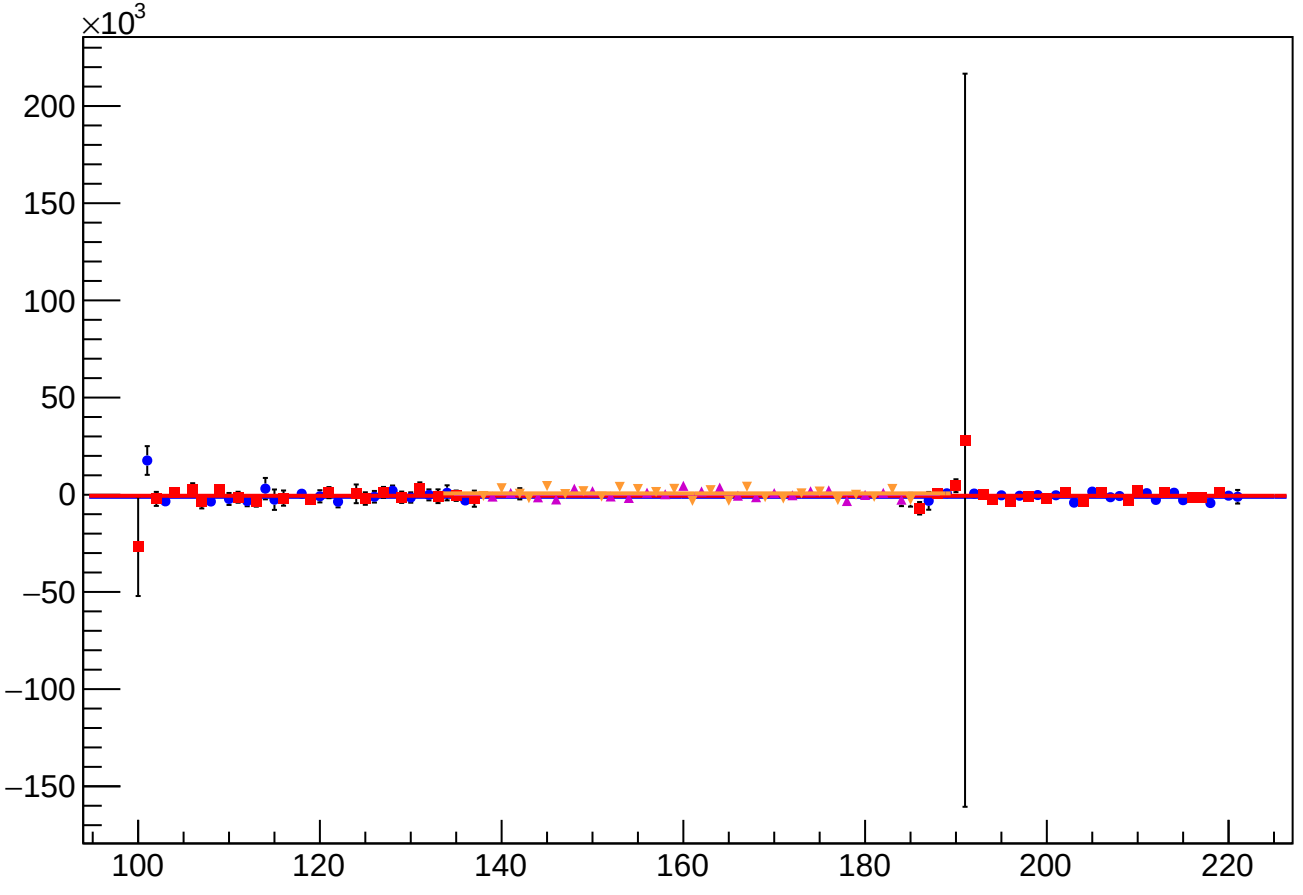
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 3228.743+/-0.417 χ^2/NDF: 21573695.3/58

All: 3604.560+/-0.319 χ^2/NDF: 32504075.5/1

- sign 4138.841+/-0.497 χ^2/NDF: 8960786.0/59

cor_asym_atr_dd_mean vs Slug



Right In: -1069.199+/-420.902 χ^2/NDF: 25.0/33

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -528.527+/-422.197 χ^2/NDF: 27.6/36

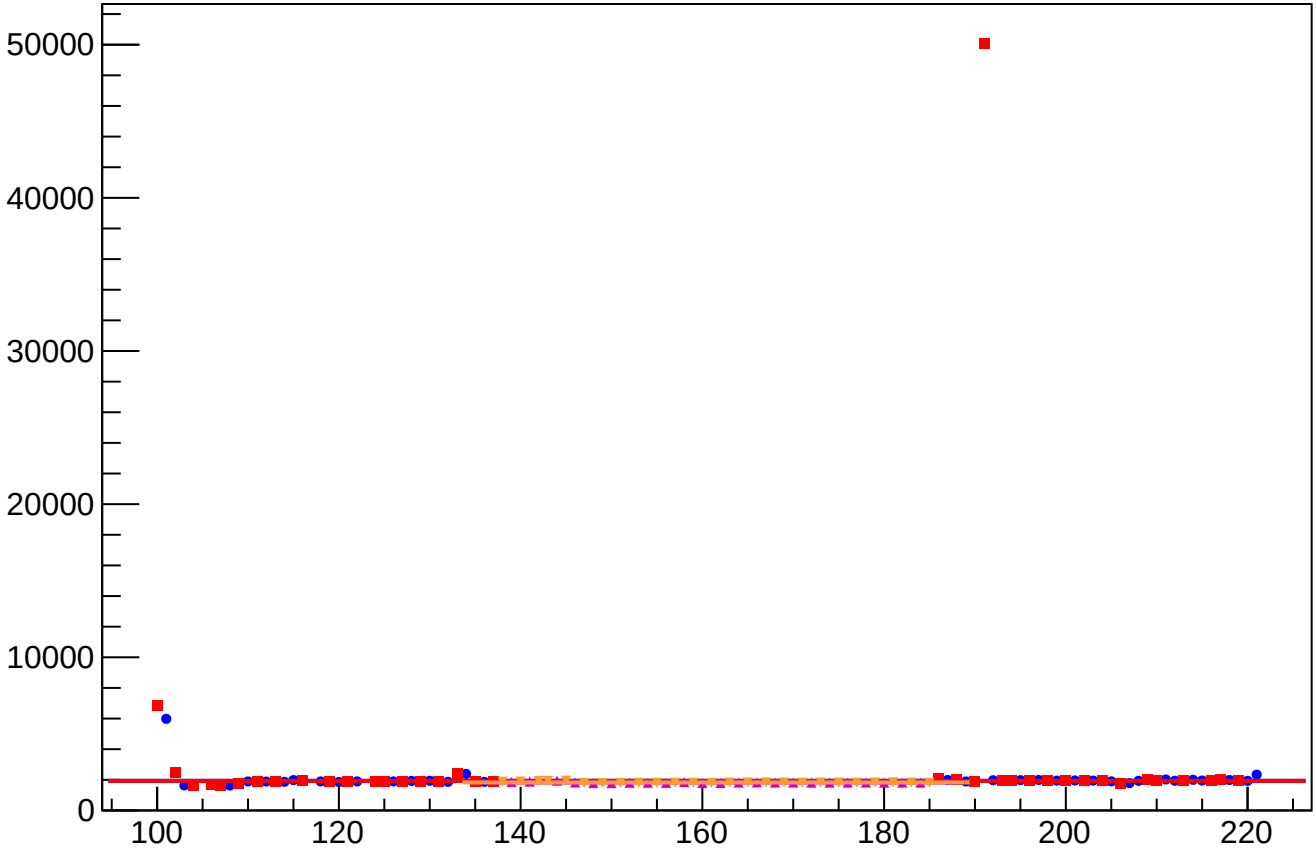
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign -169.985+/-295.652 χ^2/NDF: 65.9/58

All: -119.326+/-210.560 χ^2/NDF: 116.7/118

\- sign -67.184+/-299.949 χ^2/NDF: 50.8/59

cor_asym_atr_dd_rms vs Slug



Right In: 1935.244+/-0.298 χ^2/NDF: 752323.5/33

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

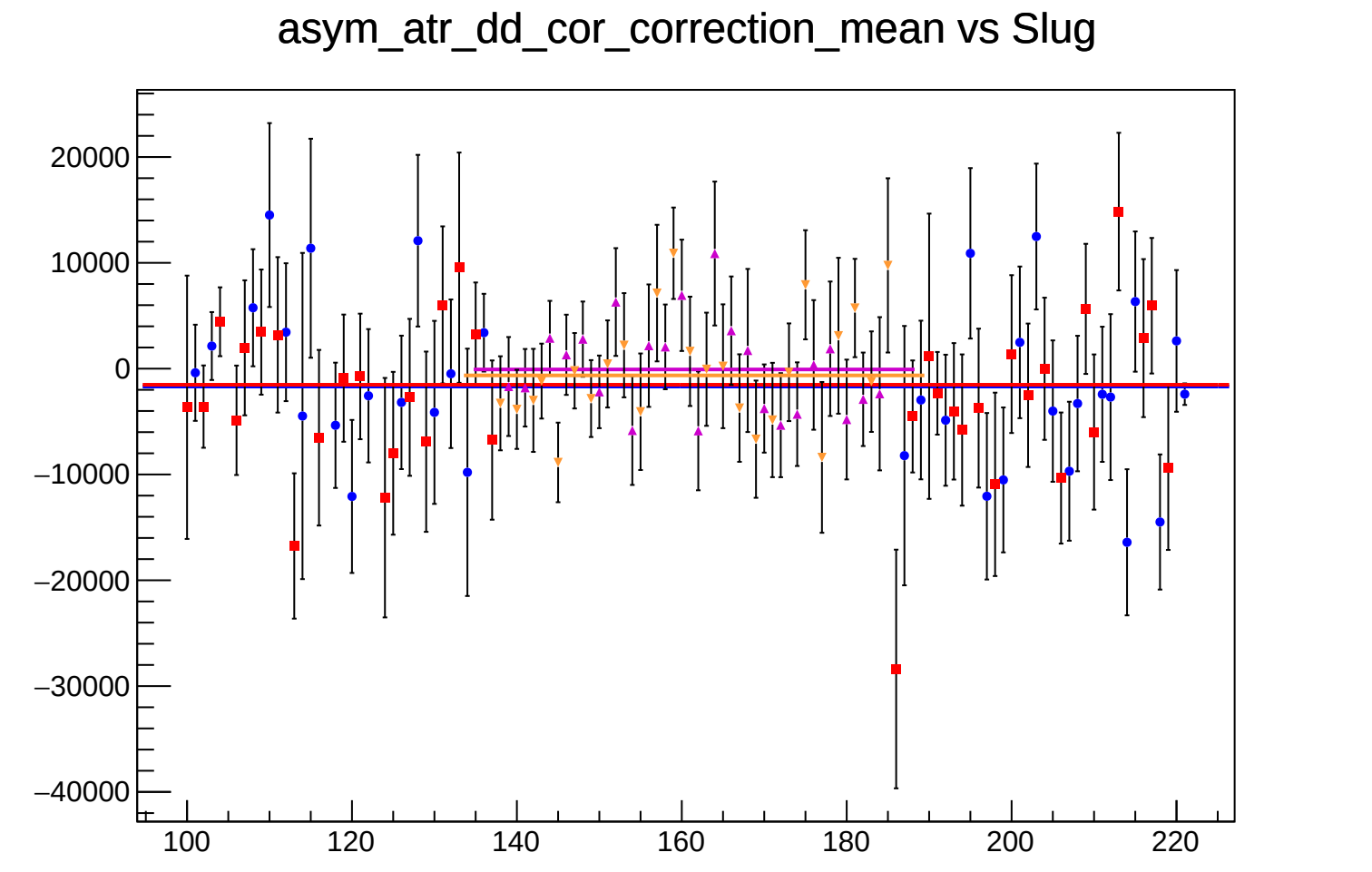
Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1881.037+/-0.209 χ^2/NDF: 837133.1/58

All: 1879.920+/-0.149 χ^2/NDF: 1314688.8/11

\- sign 1878.771+/-0.212 χ^2/NDF: 477497.7/59



Right In: -1690.738+/-752.406 χ^2/NDF: 40.6/33

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1521.836+/-1048.220 χ^2/NDF: 35.7/36

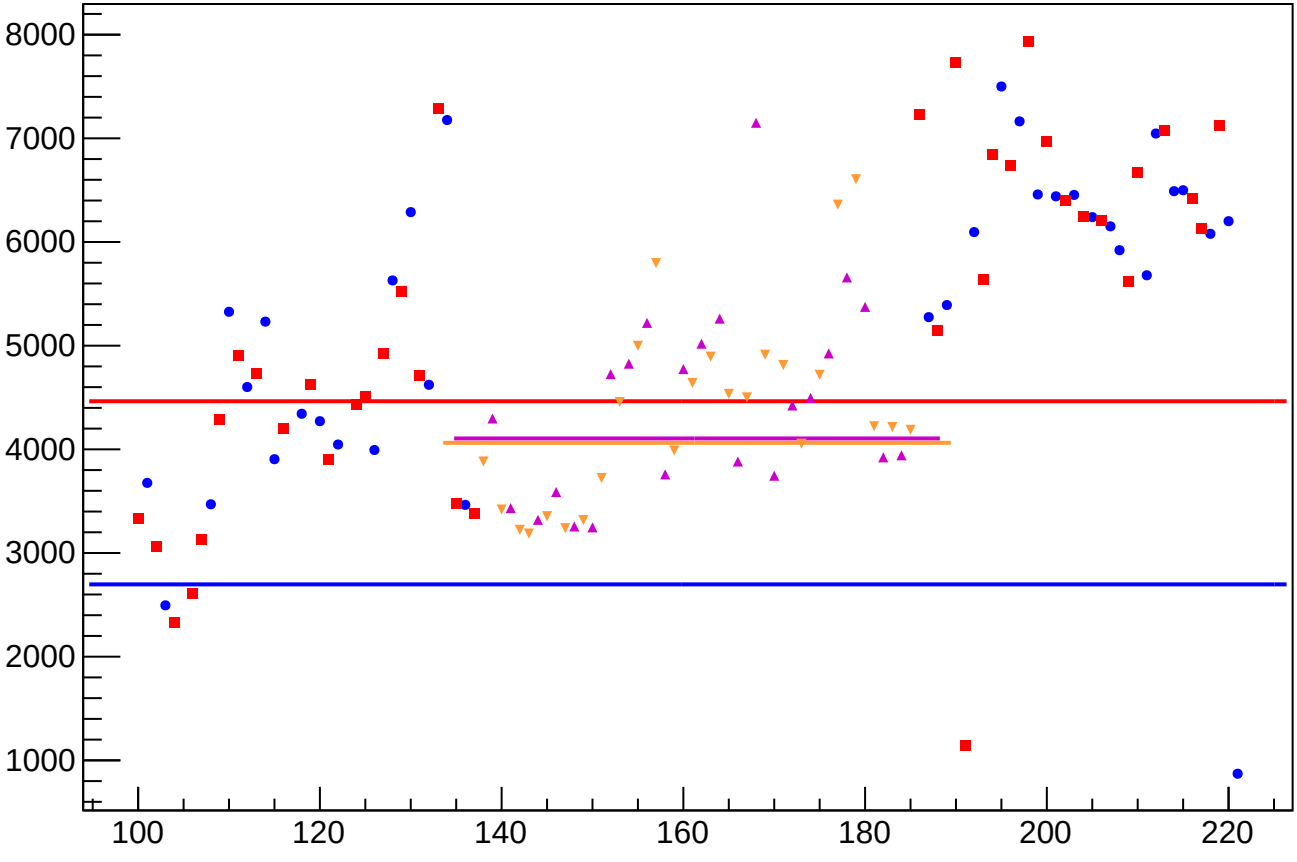
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -1283.175+/-589.071 χ^2/NDF: 67.3/58

All: -1068.108+/-454.891 χ^2/NDF: 119.9/118

- sign -750.407+/-715.962 χ^2/NDF: 52.2/59

asym_atr_dd_cor_correction_rms vs Slug



Right In: 2697.485+/-0.532 χ^2/NDF: 17664415.3/33

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

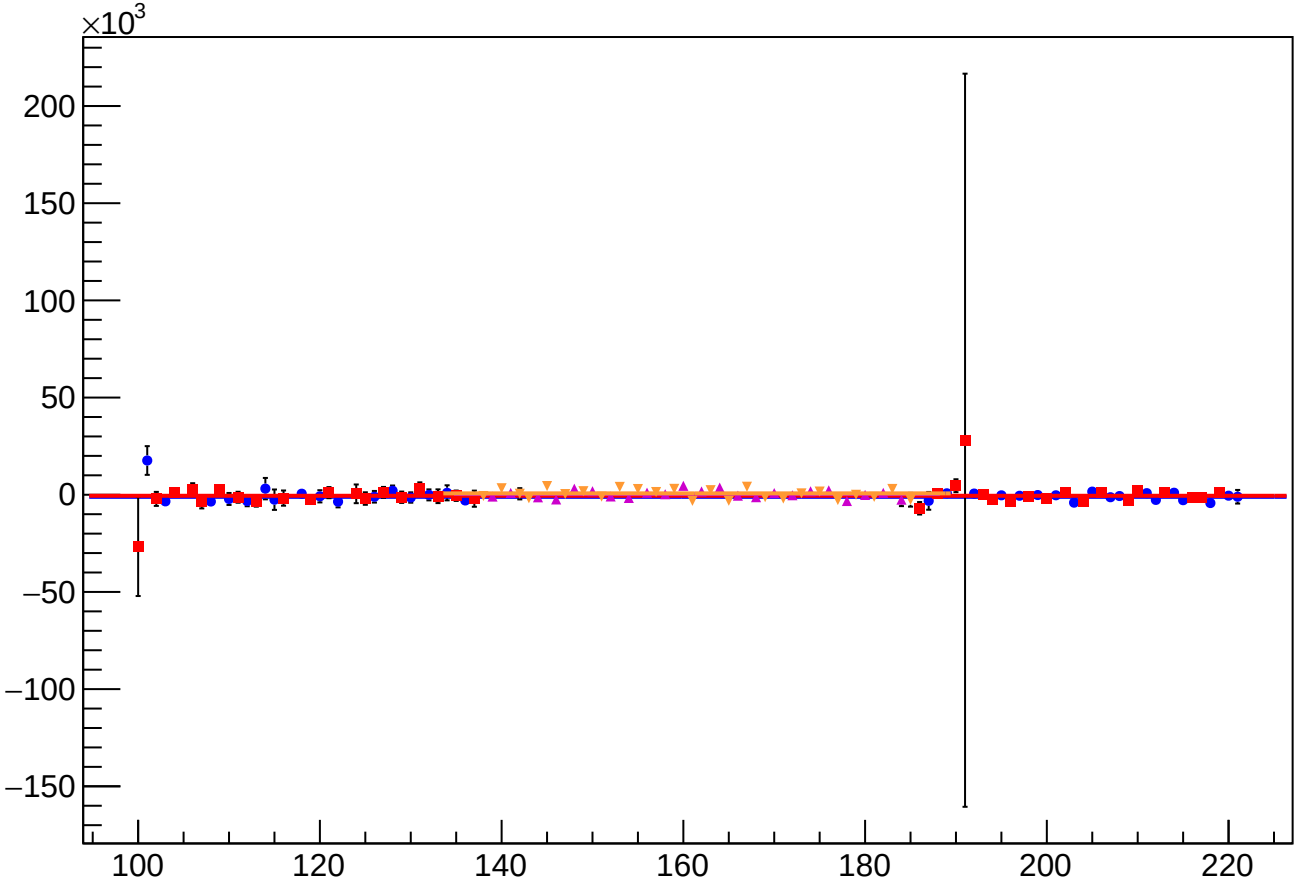
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3226.037+/-0.417 χ^2/NDF: 21619470.0/58

All: 3648.471+/-0.322 χ^2/NDF: 31665949.2/1

- sign 4272.498+/-0.506 χ^2/NDF: 7498614.2/59

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1069.199+/-420.902 χ^2/NDF: 25.0/33

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -528.527+/-422.197 χ^2/NDF: 27.6/36

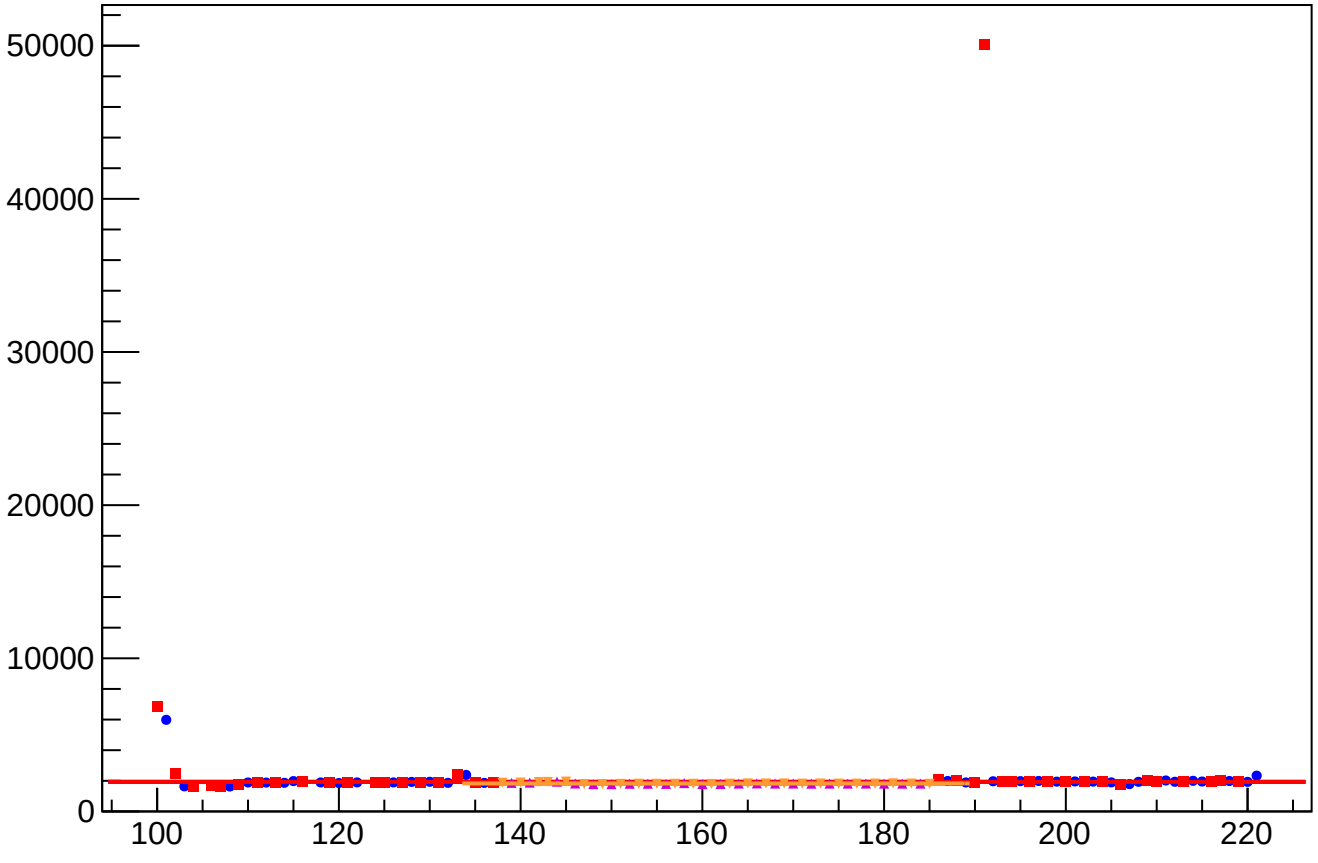
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -169.985+/-295.652 χ^2/NDF: 65.9/58

All: -119.326+/-210.560 χ^2/NDF: 116.7/118

- sign -67.184+/-299.949 χ^2/NDF: 50.8/59

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1935.244+/-0.298 χ^2/NDF: 752323.5/33

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

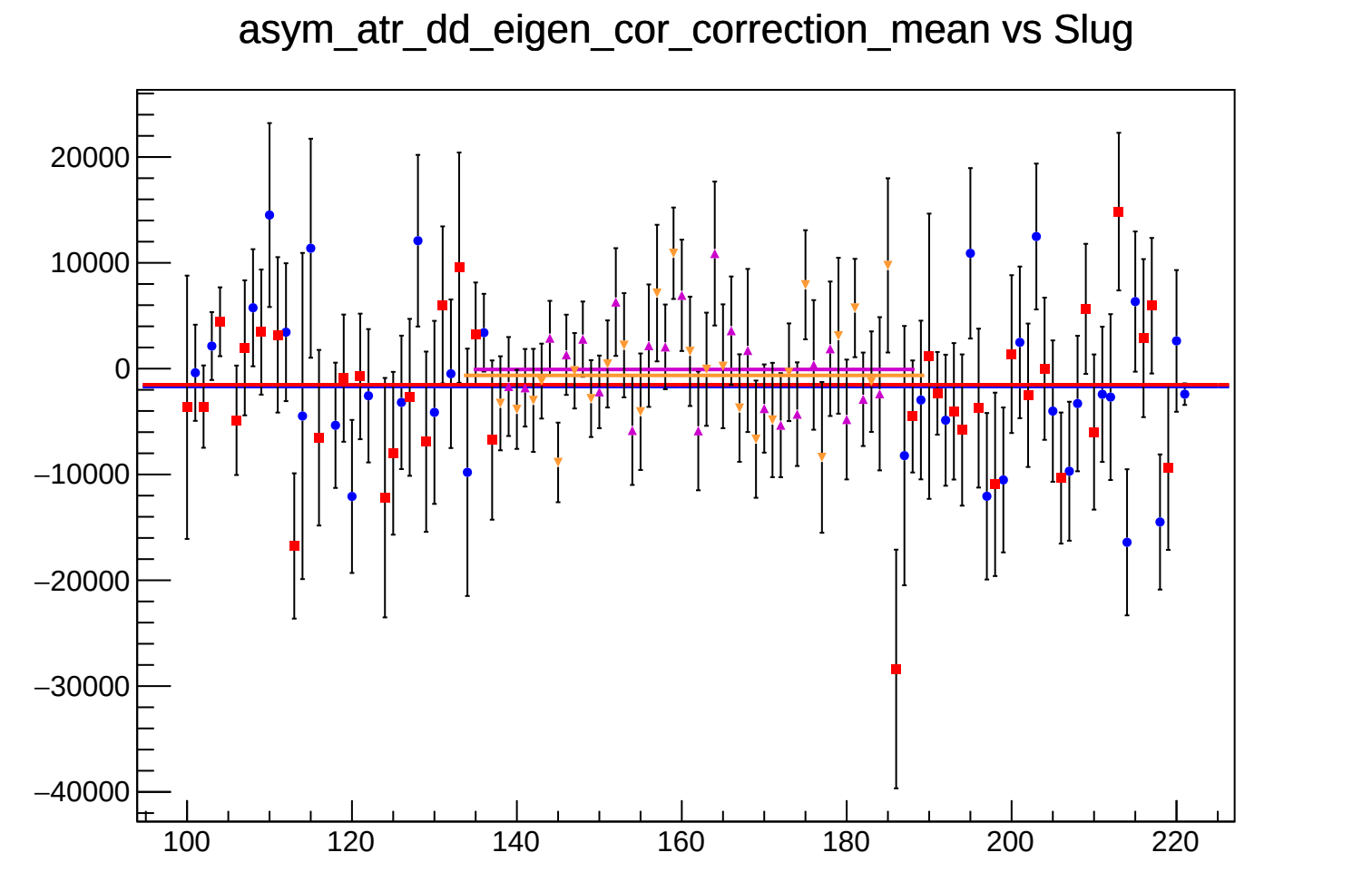
Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1881.037+/-0.209 χ^2/NDF: 837133.1/58

All: 1879.920+/-0.149 χ^2/NDF: 1314688.8/11

- sign 1878.771+/-0.212 χ^2/NDF: 477497.7/59



Right In: -1690.738+/-752.406 χ^2/NDF: 40.6/33

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1521.836+/-1048.220 χ^2/NDF: 35.7/36

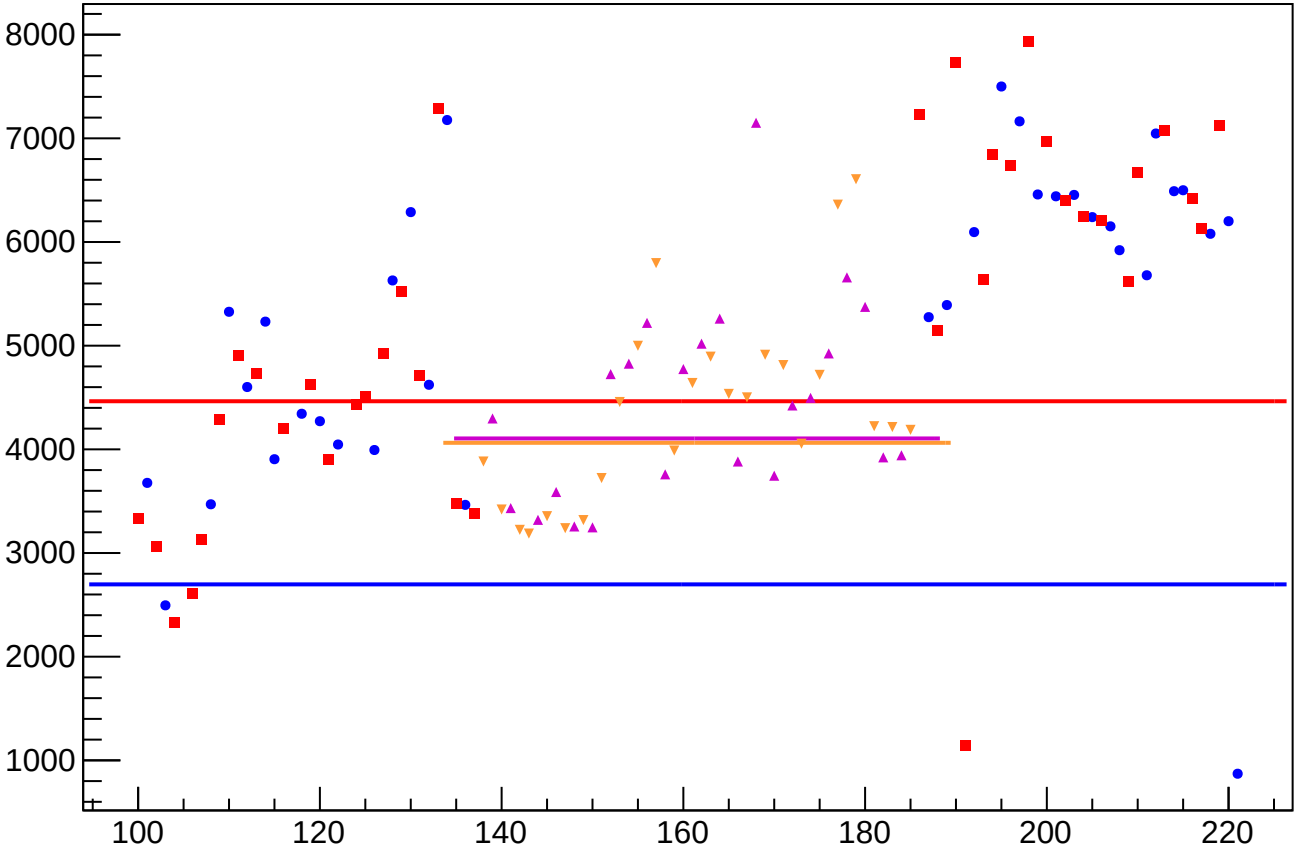
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -1283.175+/-589.071 χ^2/NDF: 67.3/58

All: -1068.108+/-454.891 χ^2/NDF: 119.9/118

- sign -750.407+/-715.962 χ^2/NDF: 52.2/59

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 2697.485+/-0.532 χ^2/NDF: 17664415.3/33

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

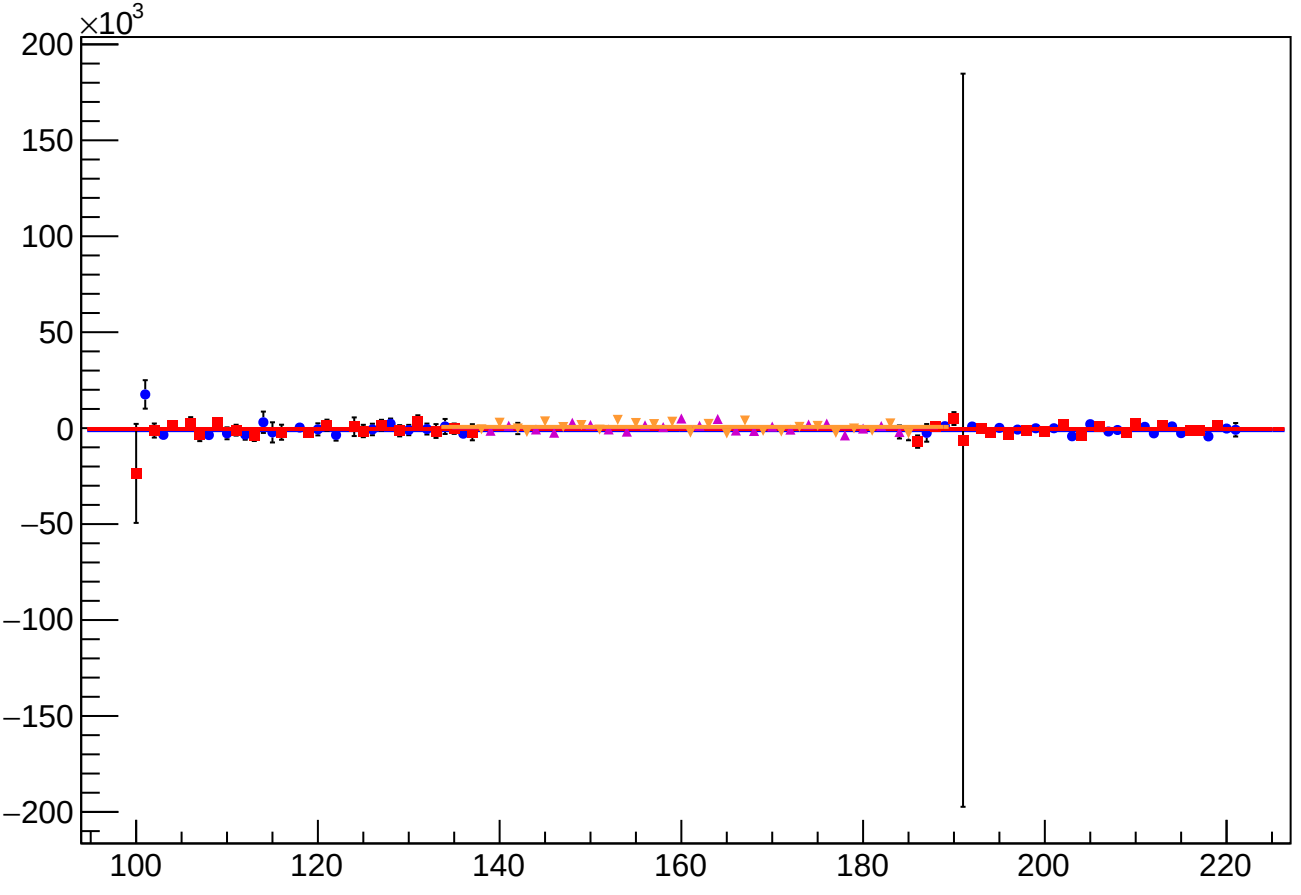
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 3226.037+/-0.417 χ^2/NDF: 21619470.0/58

All: 3648.471+/-0.322 χ^2/NDF: 31665949.2/1

- sign 4272.498+/-0.506 χ^2/NDF: 7498614.2/59

dit_asym_atr_dd_mean vs Slug



Right In: -1047.545+/-423.917 χ^2/NDF: 26.2/33

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -442.698+/-425.671 χ^2/NDF: 29.8/36

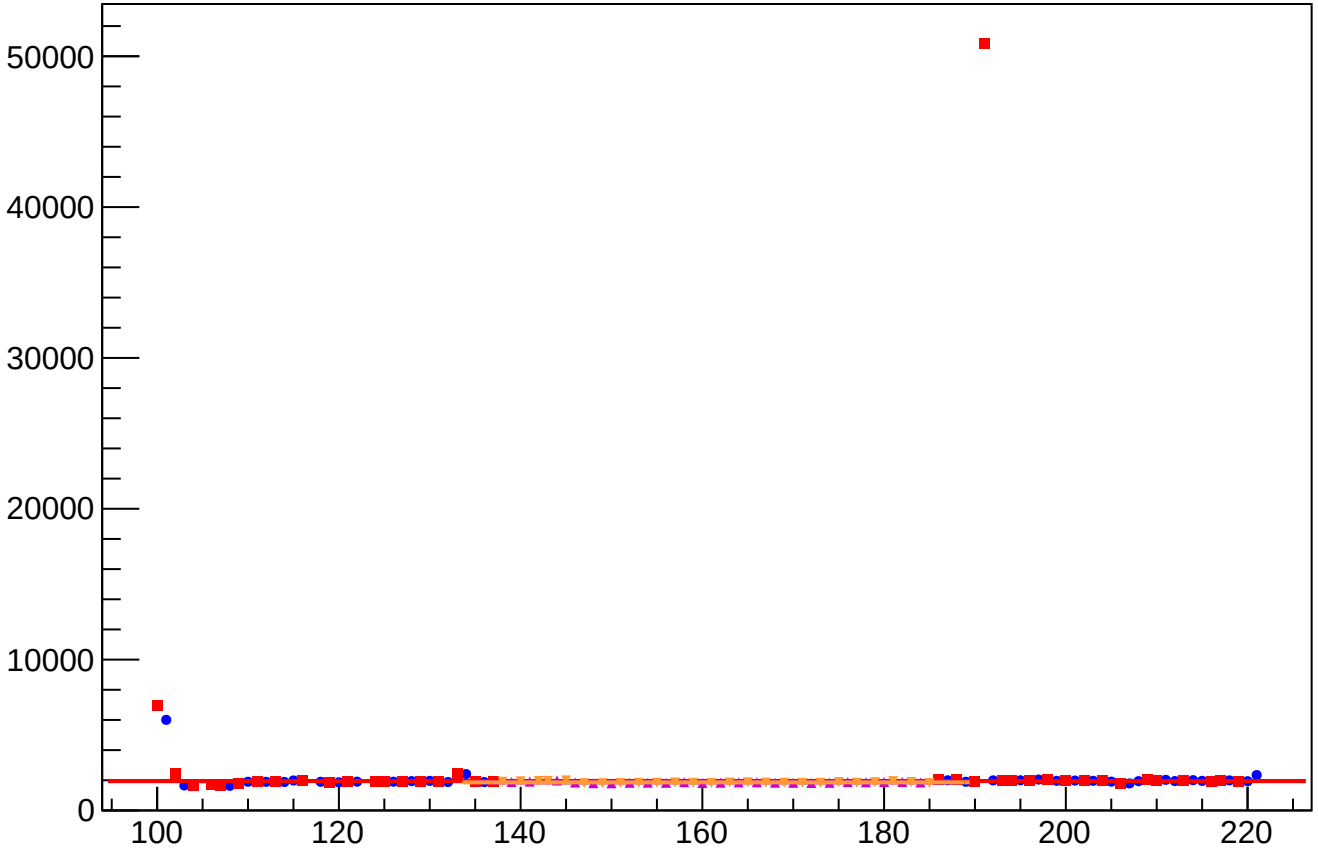
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -193.244+/-299.452 χ^2/NDF: 61.4/58

All: -109.876+/-213.282 χ^2/NDF: 116.9/118

- sign -24.042+/-303.847 χ^2/NDF: 55.4/59

dit_asym_atr_dd_rms vs Slug



Right In: 1949.040+/-0.300 χ^2/NDF: 753240.8/33

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.2/36

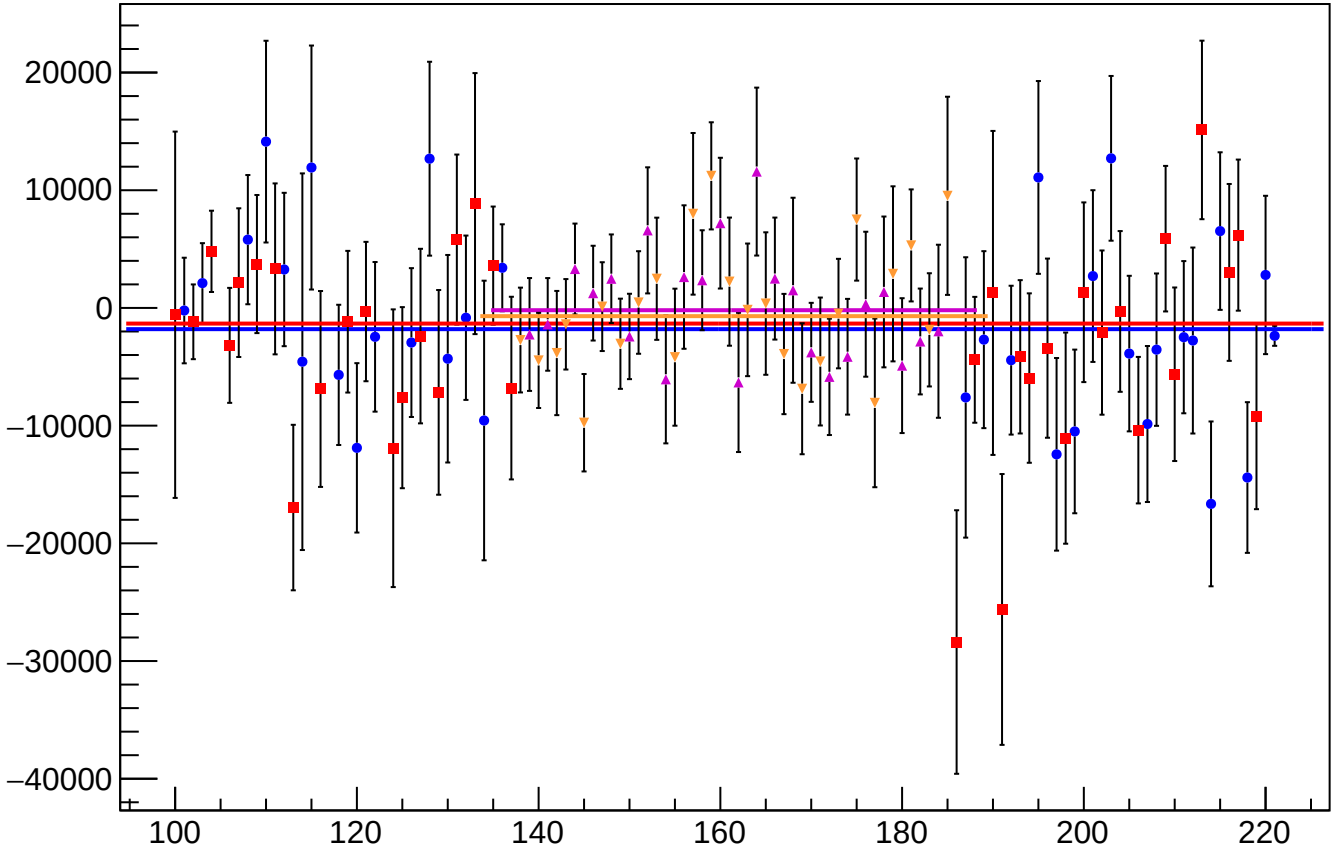
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1905.297+/-0.212 χ^2/NDF: 821759.6/58

All: 1904.208+/-0.151 χ^2/NDF: 1290388.1/11

- sign 1903.086+/-0.215 χ^2/NDF: 468574.7/59

asym_atr_dd_dit_correction_mean vs Slug



Right In: -1803.058+/-678.496 χ^2/NDF: 40.6/33

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1329.803+/-1074.842 χ^2/NDF: 39.3/36

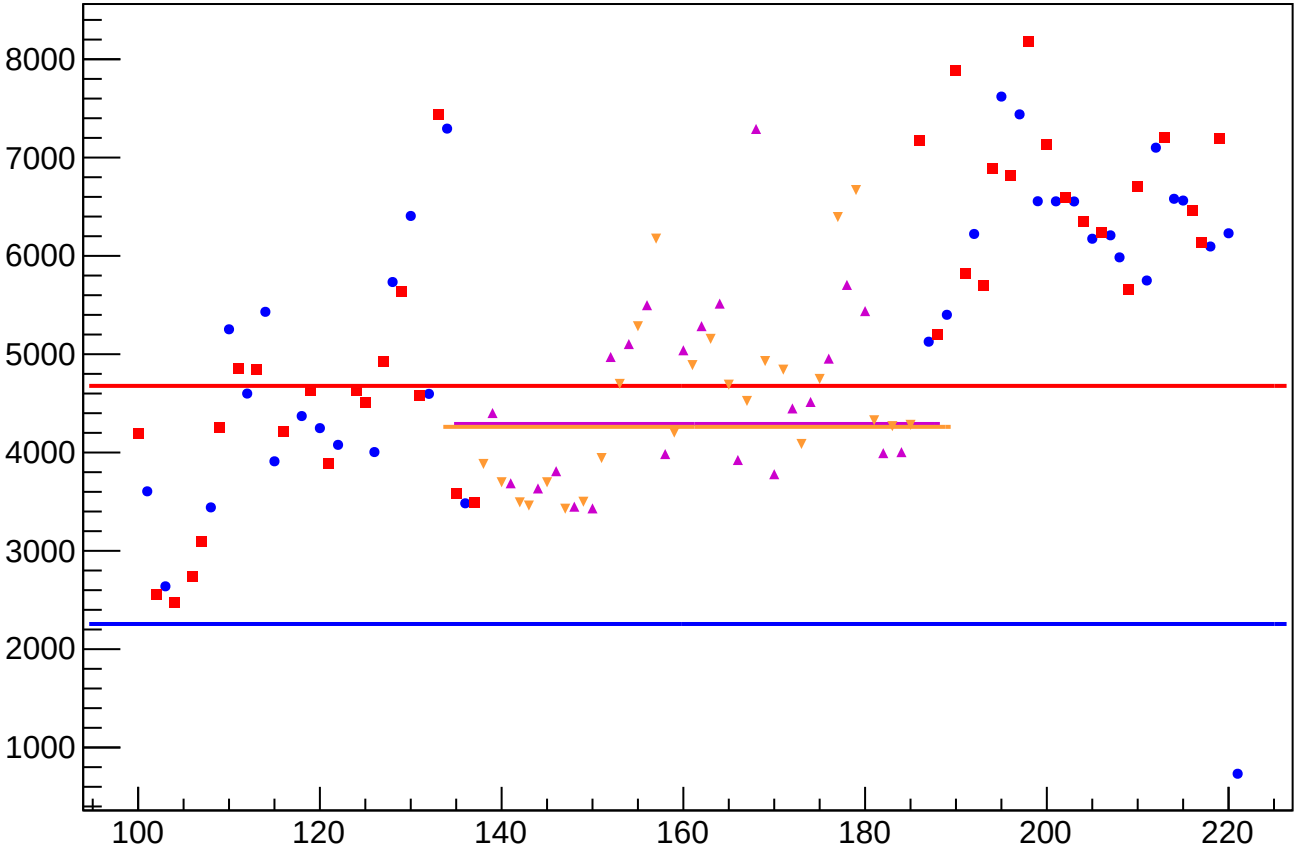
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

\+ sign -1450.000+/-559.676 χ^2/NDF: 66.8/58

All: -1189.381+/-446.563 χ^2/NDF: 122.5/118

\- sign -732.762+/-740.818 χ^2/NDF: 55.1/59

asym_atr_dd_dit_correction_rms vs Slug



Right In: 2256.071+/-0.480 χ^2/NDF: 21251871.5/33

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4677.740+/-0.760 χ^2/NDF: 4896075.0/36

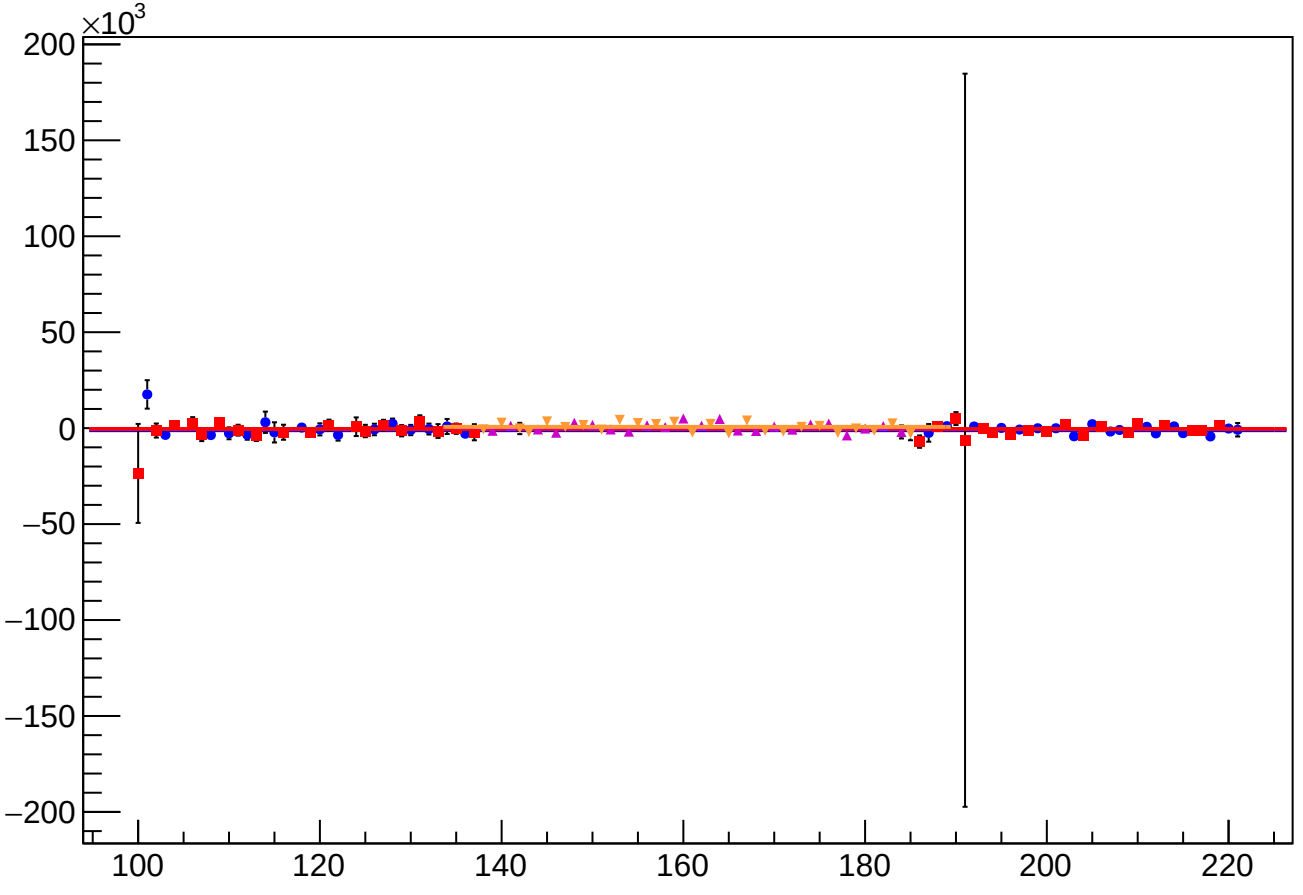
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 2896.837+/-0.396 χ^2/NDF: 28024059.1/58

All: 3470.067+/-0.316 χ^2/NDF: 40044396.8/1

- sign 4474.403+/-0.524 χ^2/NDF: 6246389.0/59

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1047.538+/-423.917 χ^2/NDF: 26.2/33

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -442.694+/-425.671 χ^2/NDF: 29.8/36

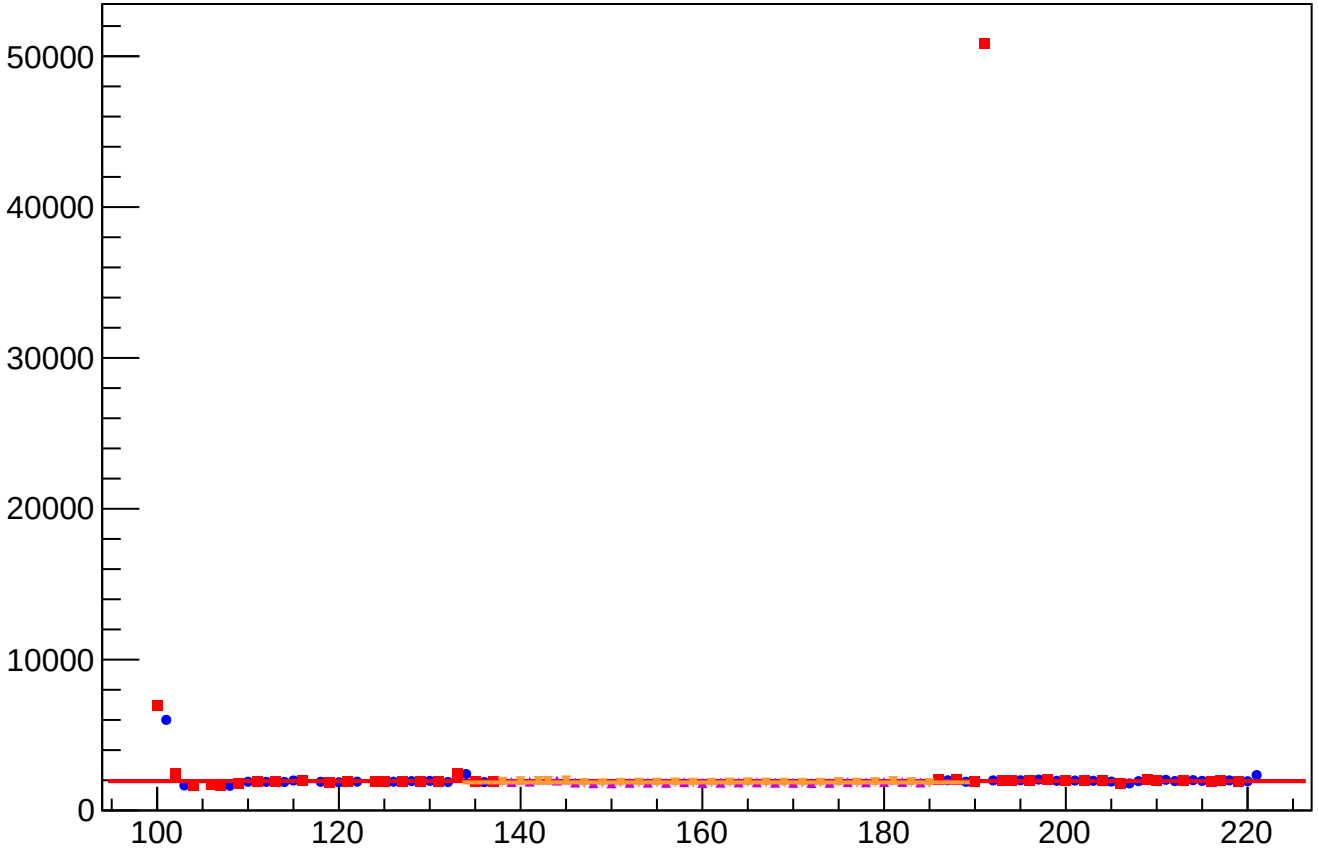
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -193.239+/-299.452 χ^2/NDF: 61.4/58

All: -109.872+/-213.282 χ^2/NDF: 116.9/118

- sign -24.040+/-303.847 χ^2/NDF: 55.4/59

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1949.040+/-0.300 χ^2/NDF: 753240.6/33

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

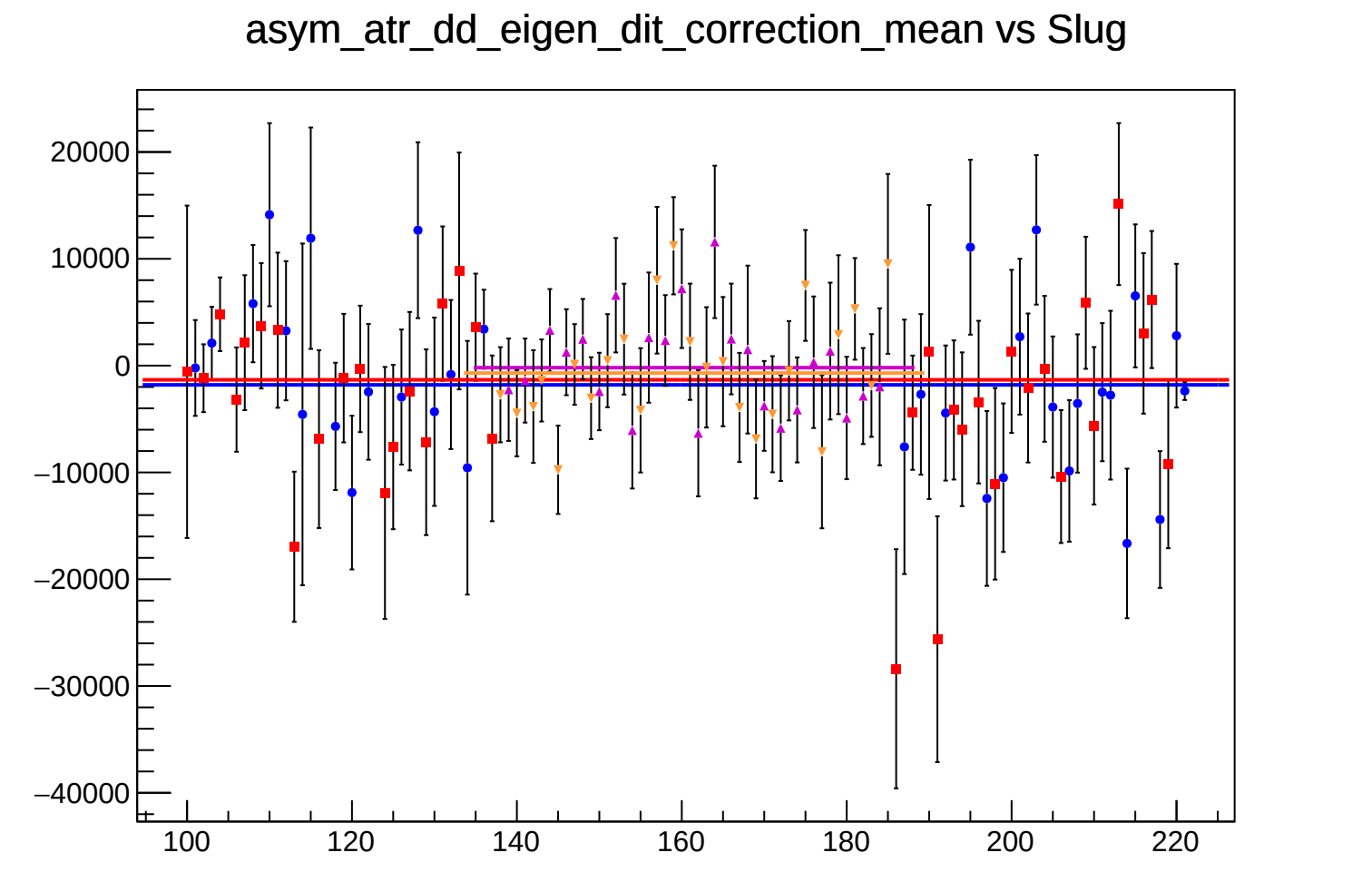
Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.4/36

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1905.297+/-0.212 χ^2/NDF: 821758.9/58

All: 1904.208+/-0.151 χ^2/NDF: 1290386.9/11

- sign 1903.087+/-0.215 χ^2/NDF: 468574.3/59



Right In: -1803.042+/-678.496 χ^2/NDF: 40.6/33

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1329.799+/-1074.842 χ^2/NDF: 39.3/36

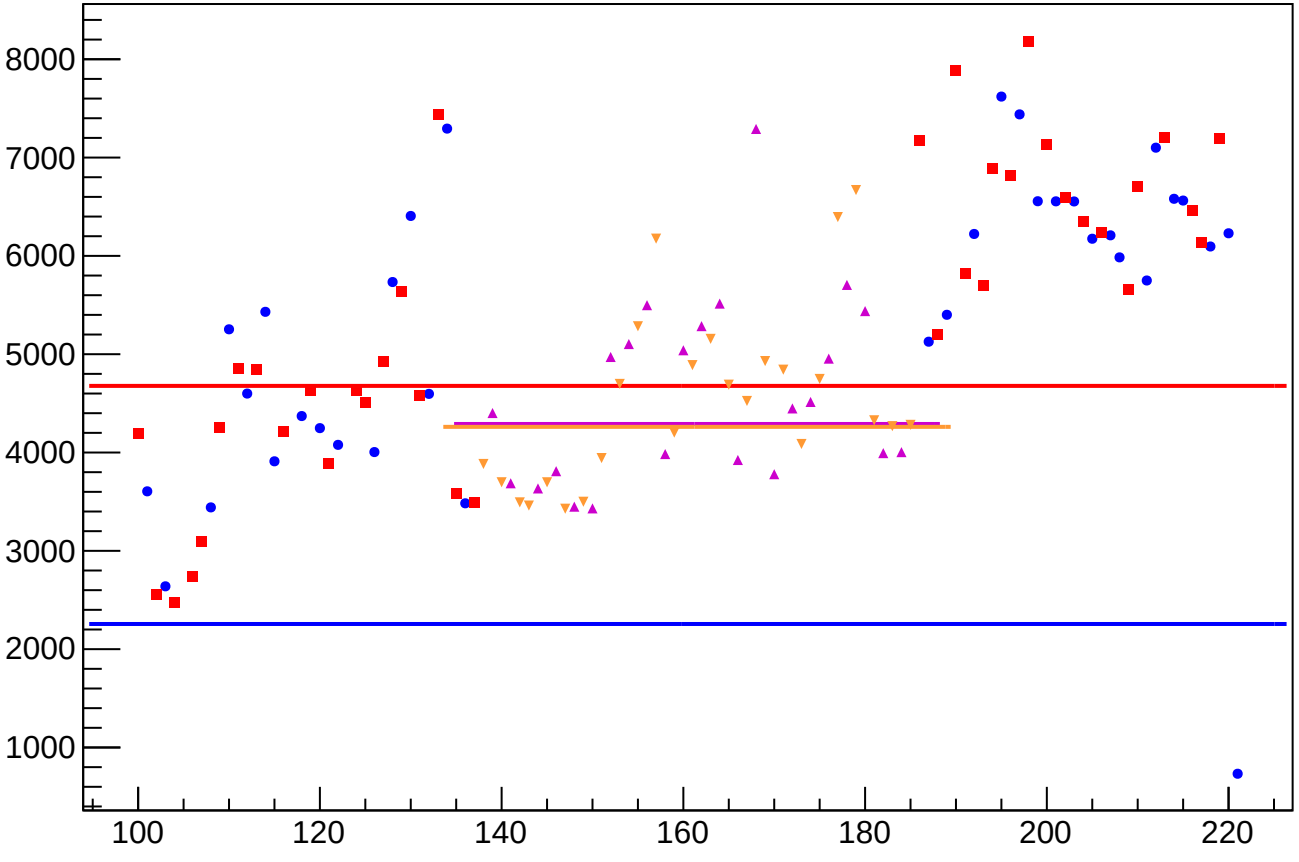
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -1449.989+/-559.677 χ^2/NDF: 66.8/58

All: -1189.375+/-446.563 χ^2/NDF: 122.5/118

- sign -732.762+/-740.819 χ^2/NDF: 55.1/59

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 2256.076+/-0.480 χ^2/NDF: 21251833.0/33

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4677.738+/-0.760 χ^2/NDF: 4896085.0/36

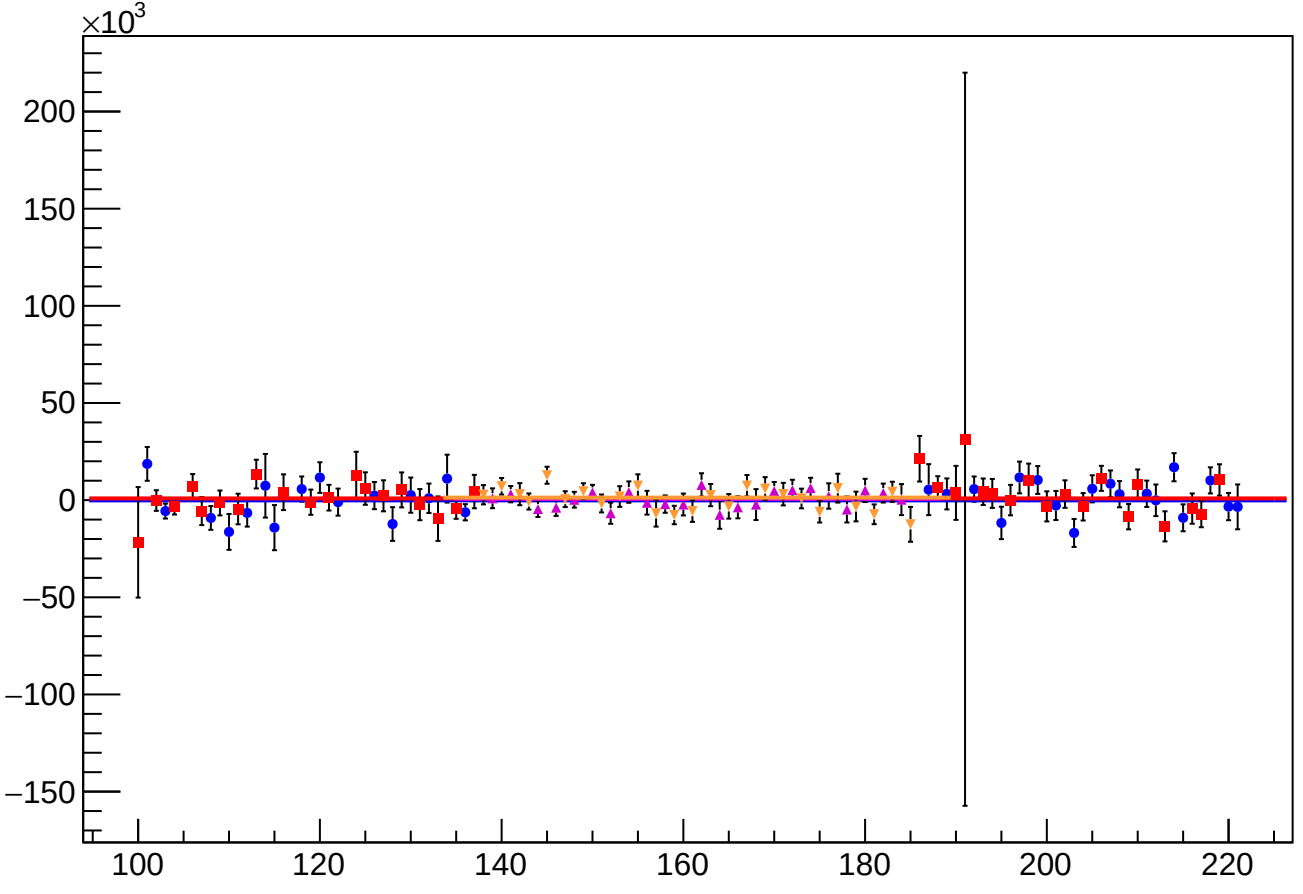
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 2896.842+/-0.396 χ^2/NDF: 28024018.2/58

All: 3470.072+/-0.316 χ^2/NDF: 40044337.7/1

- sign 4474.405+/-0.524 χ^2/NDF: 6246398.8/59

asym_atr_dd_mean vs Slug



Right In: -115.671+/-1230.986 χ^2/NDF: 48.2/33

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 889.601+/-1210.182 χ^2/NDF: 29.3/36

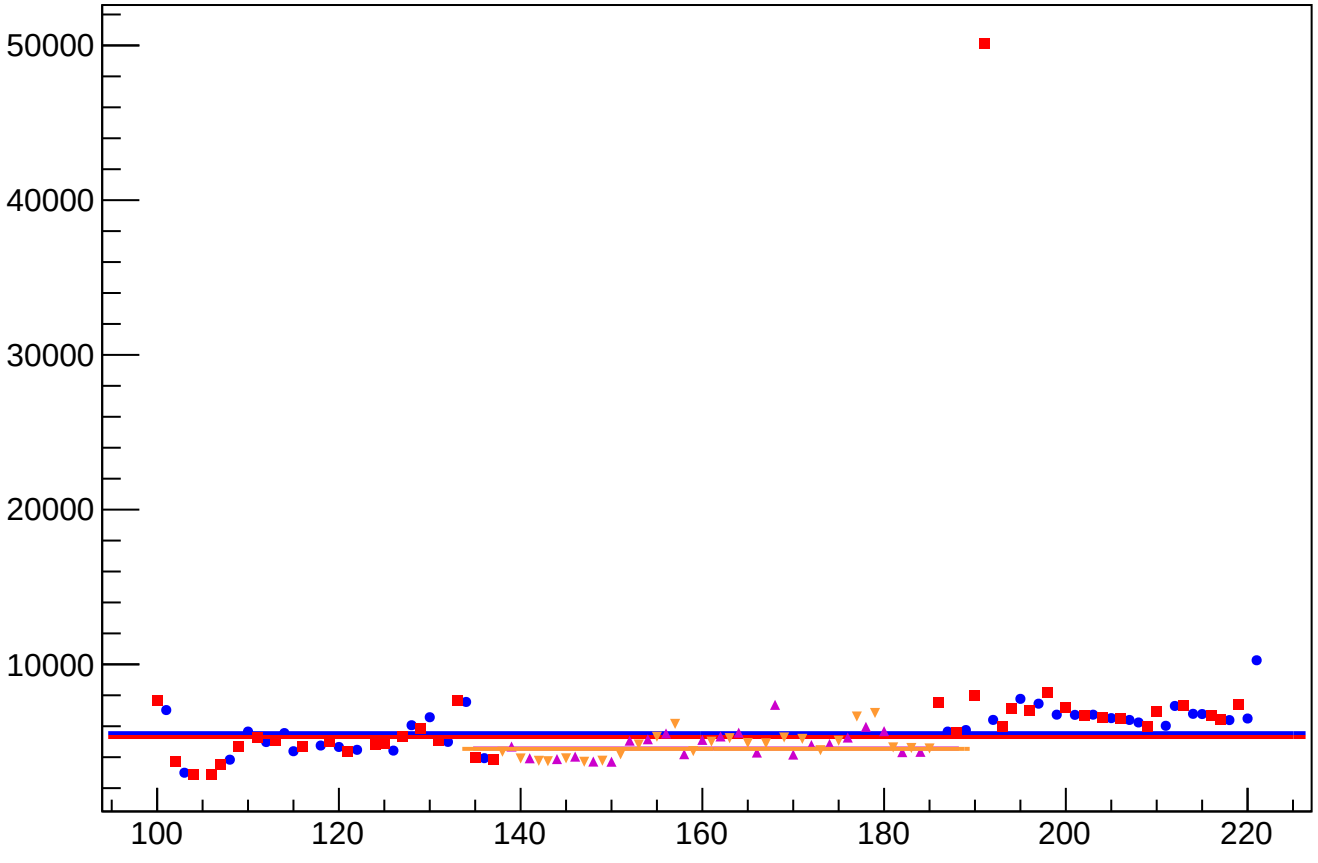
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 703.139+/-798.666 χ^2/NDF: 77.4/58

All: 709.299+/-567.550 χ^2/NDF: 121.2/118

\- sign 715.582+/-806.667 χ^2/NDF: 43.8/59

asym_atr_dd_rms vs Slug



Right In: 5552.249+/-0.870 χ^2/NDF: 2847393.5/33

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

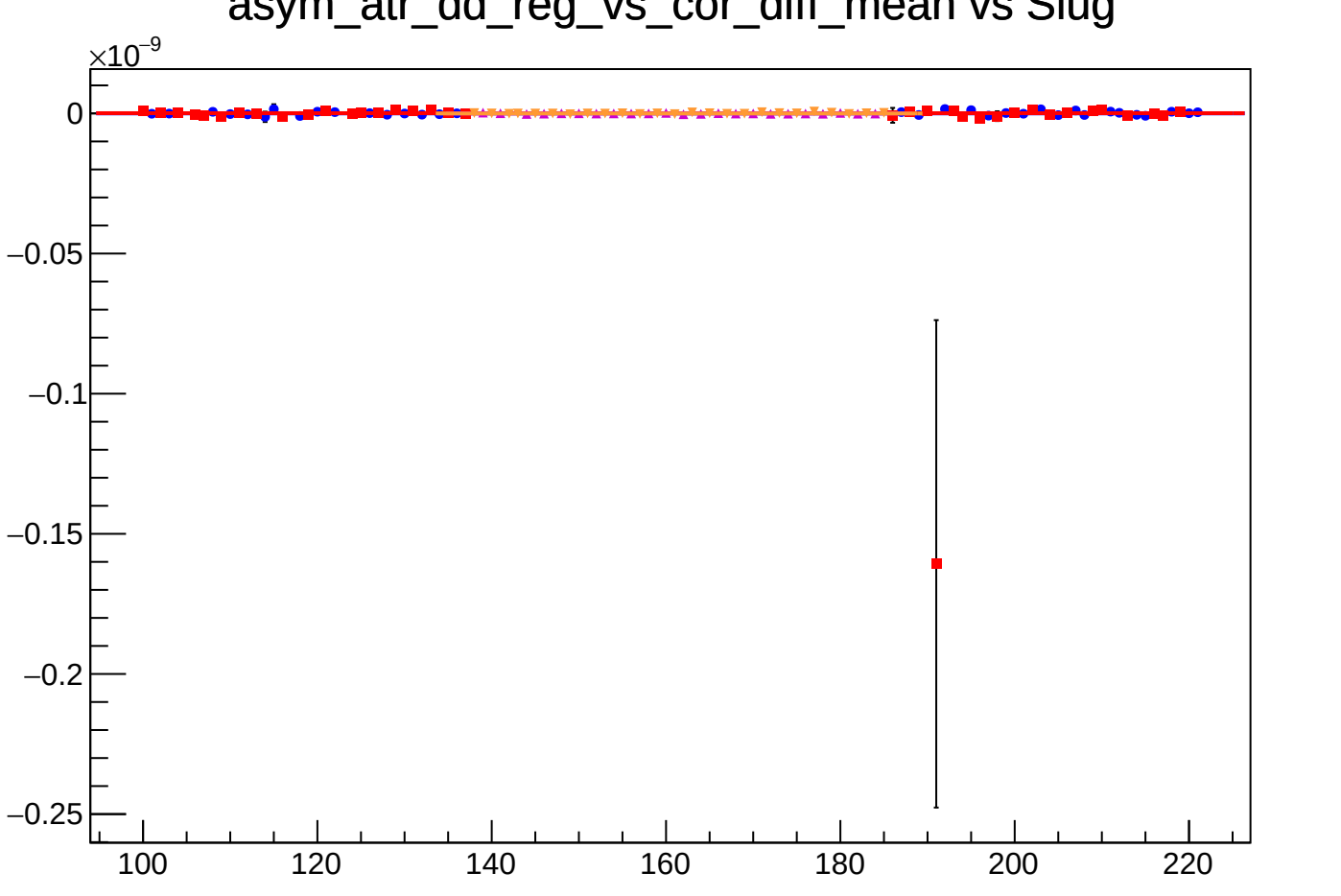
Right Out: 5303.766+/-0.852 χ^2/NDF: 3339046.7/36

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4964.904+/-0.565 χ^2/NDF: 4626601.8/58

All: 4928.952+/-0.401 χ^2/NDF: 9375372.6/11

- sign 4892.424+/-0.569 χ^2/NDF: 4740600.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

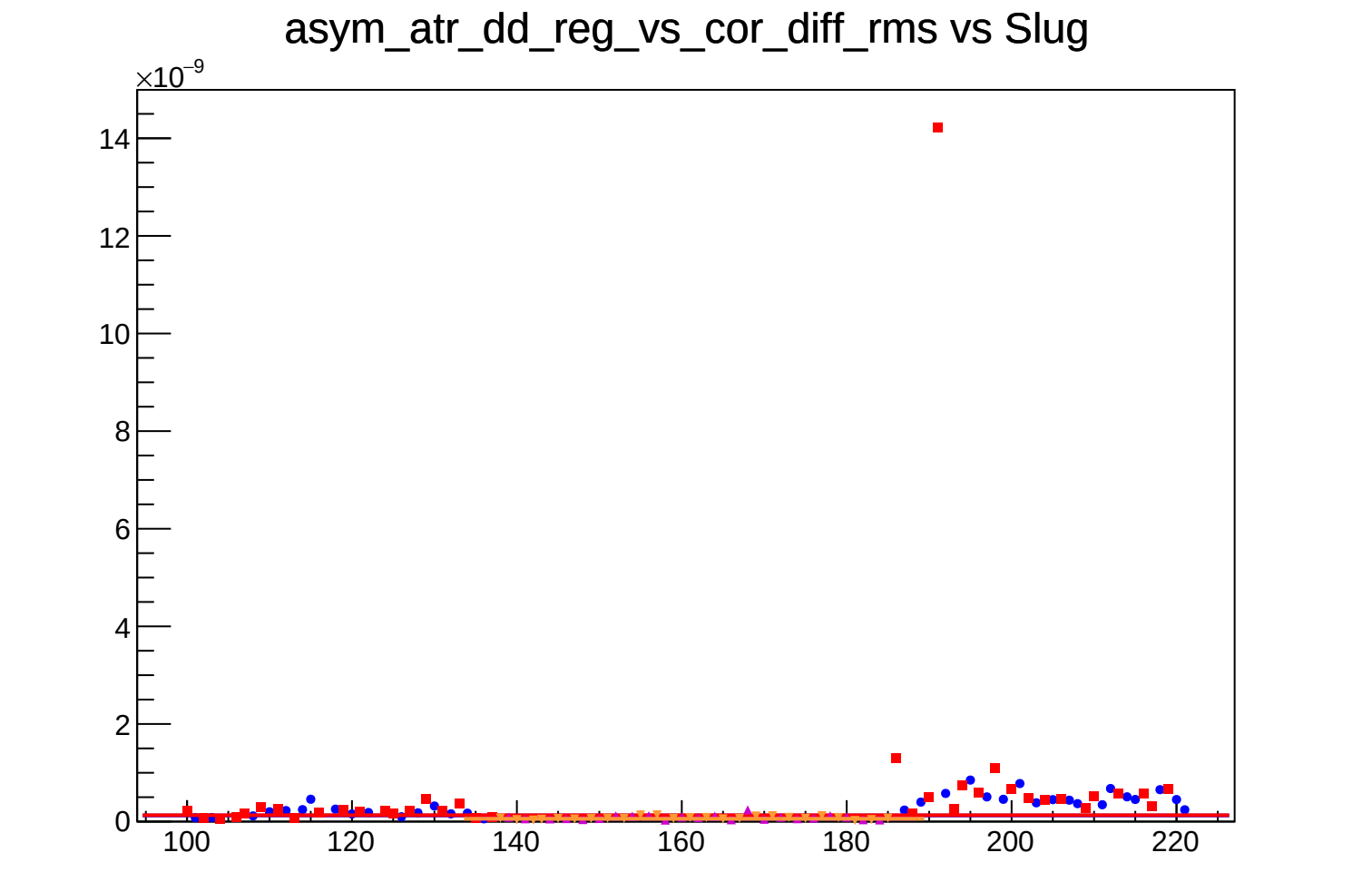
Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.9/58

All: -0.000+/-0.000 χ^2/NDF: 136.4/118

- sign 0.000+/-0.000 χ^2/NDF: 67.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 8798075.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8401012.3/36

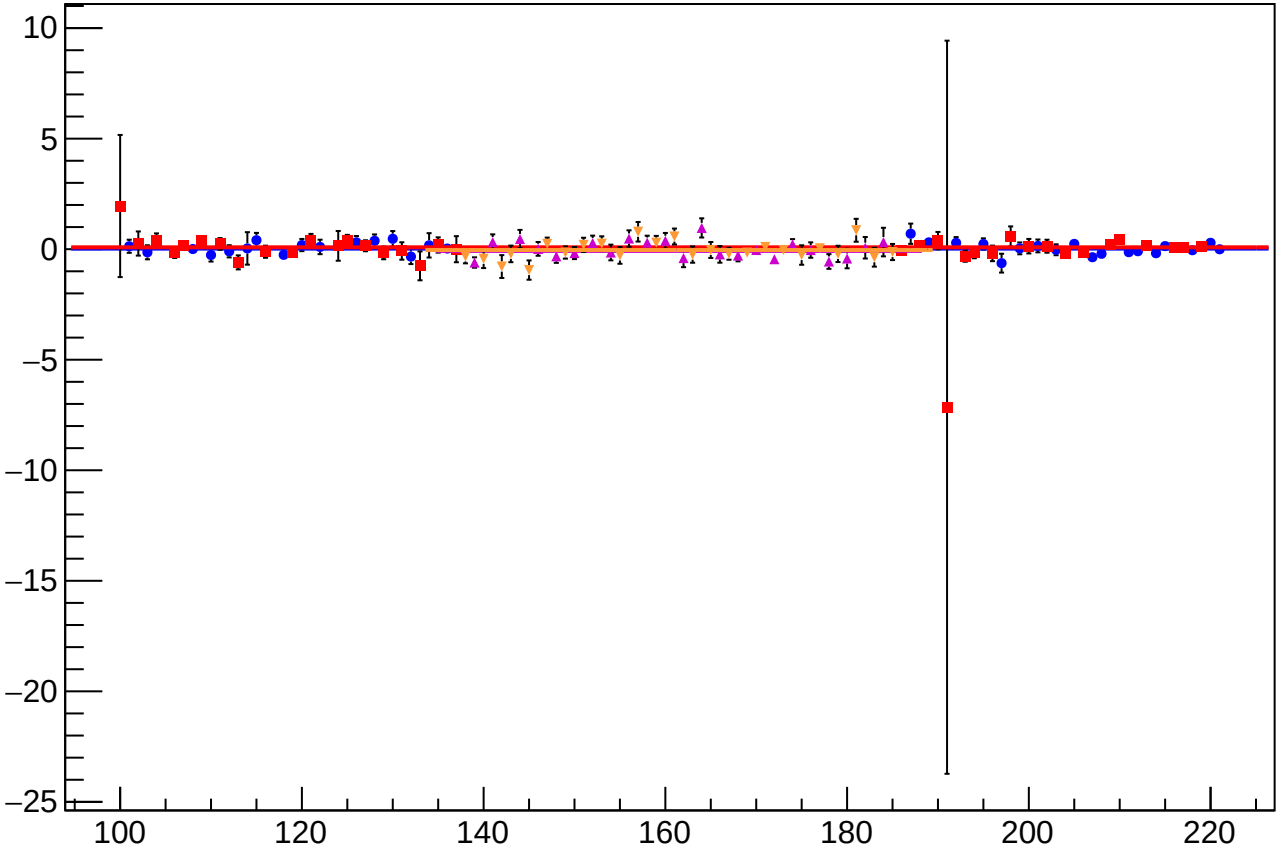
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13012498.5/58

All: 0.000+/-0.000 χ^2/NDF: 25723213.9/118

- sign 0.000+/-0.000 χ^2/NDF: 12709749.2/59

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

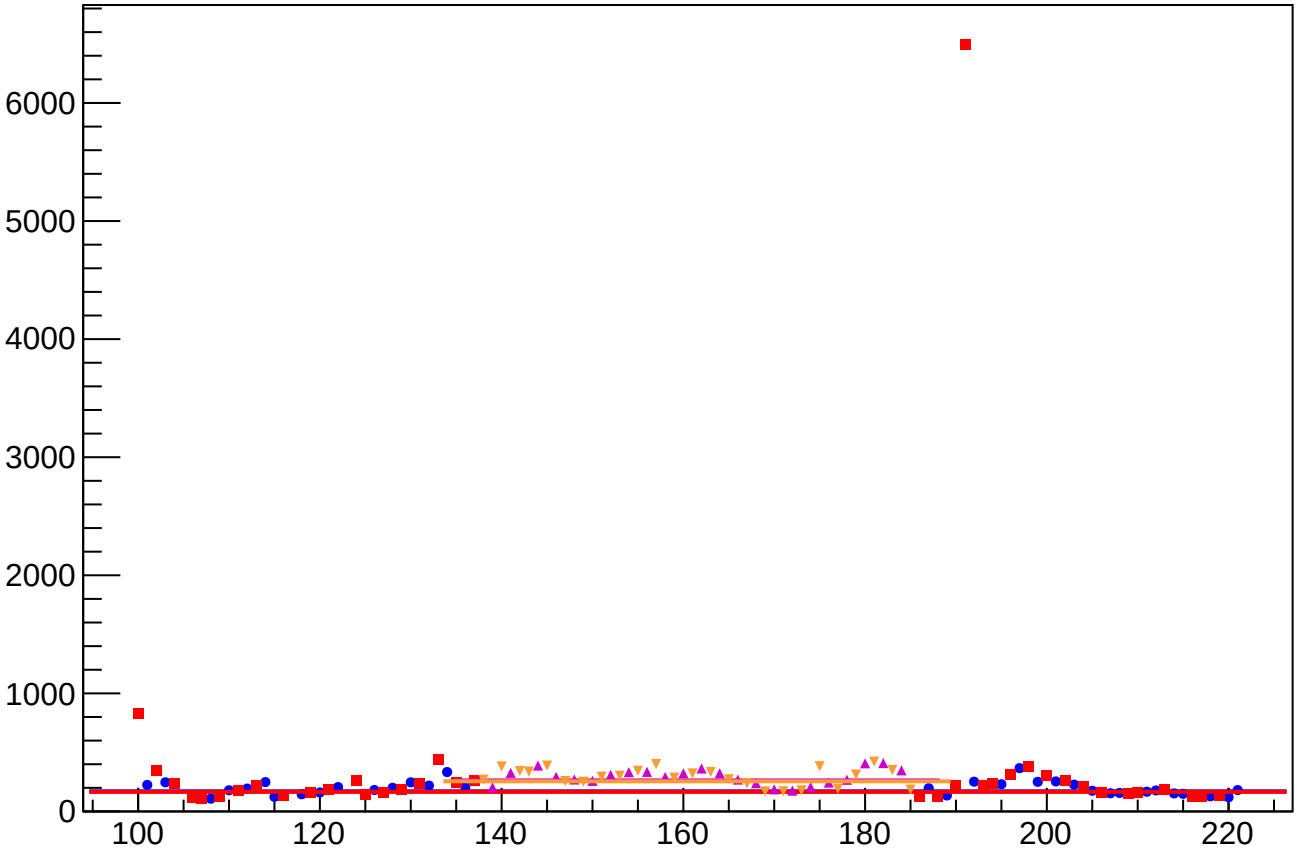
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.025+/-0.023 χ^2/NDF: 129.8/118

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790055.1/33

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

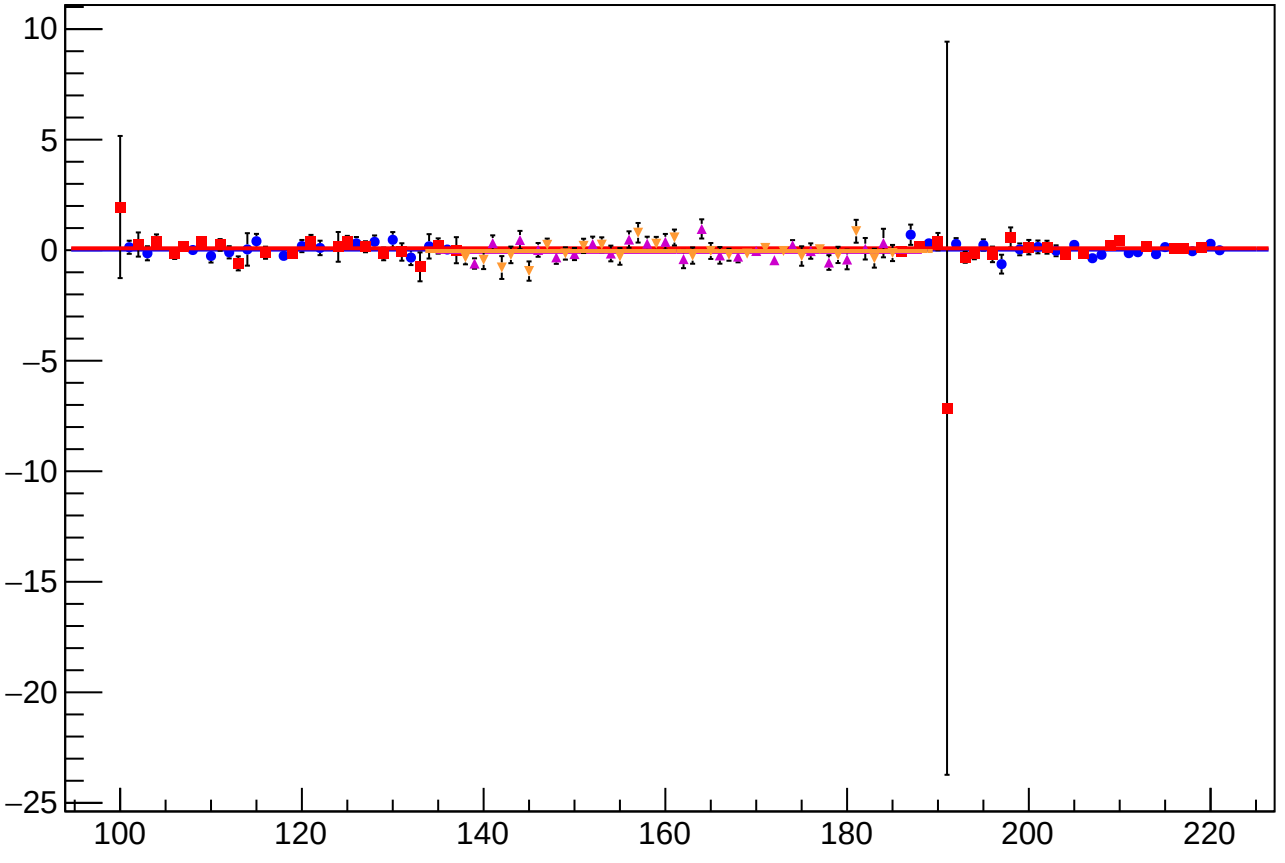
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 194.319+/-0.023 χ^2/NDF: 8426816.9/58

All: 192.982+/-0.017 χ^2/NDF: 17832089.5/11

- sign 191.597+/-0.024 χ^2/NDF: 9398509.0/59

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

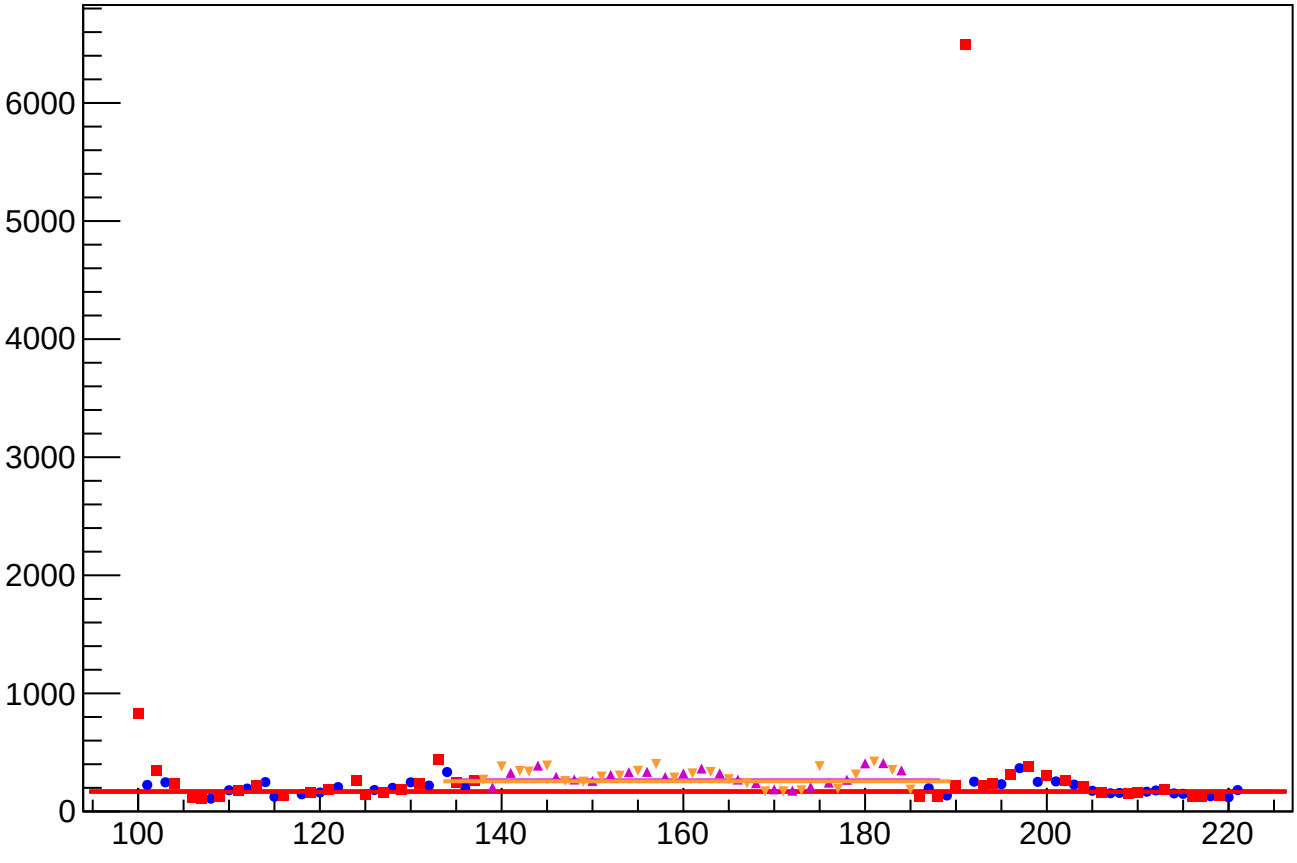
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.025+/-0.023 χ^2/NDF: 129.8/118

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790055.1/33

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

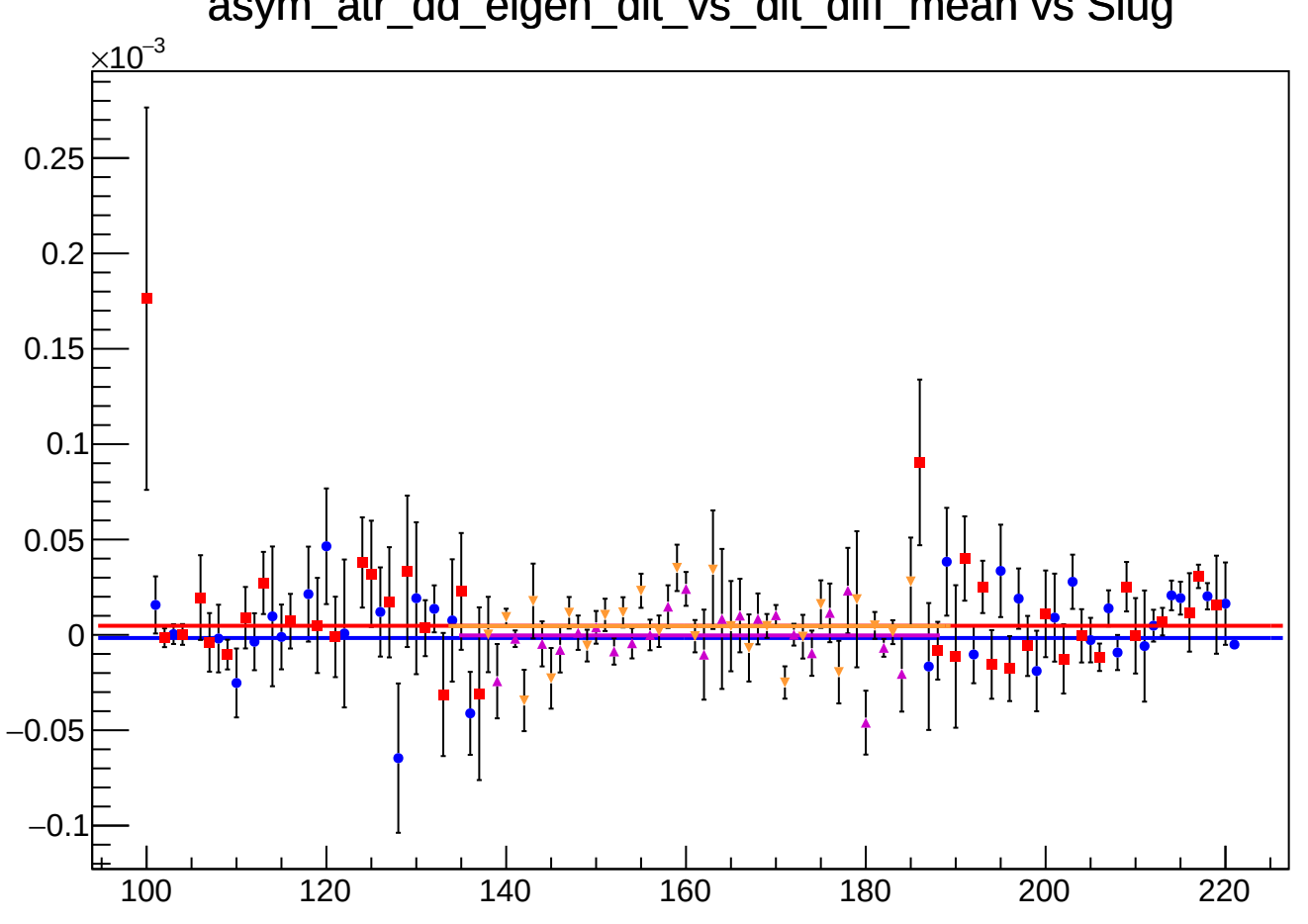
Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 194.319+/-0.023 χ^2/NDF: 8426816.9/58

All: 192.982+/-0.017 χ^2/NDF: 17832089.5/11

- sign 191.597+/-0.024 χ^2/NDF: 9398509.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 61.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

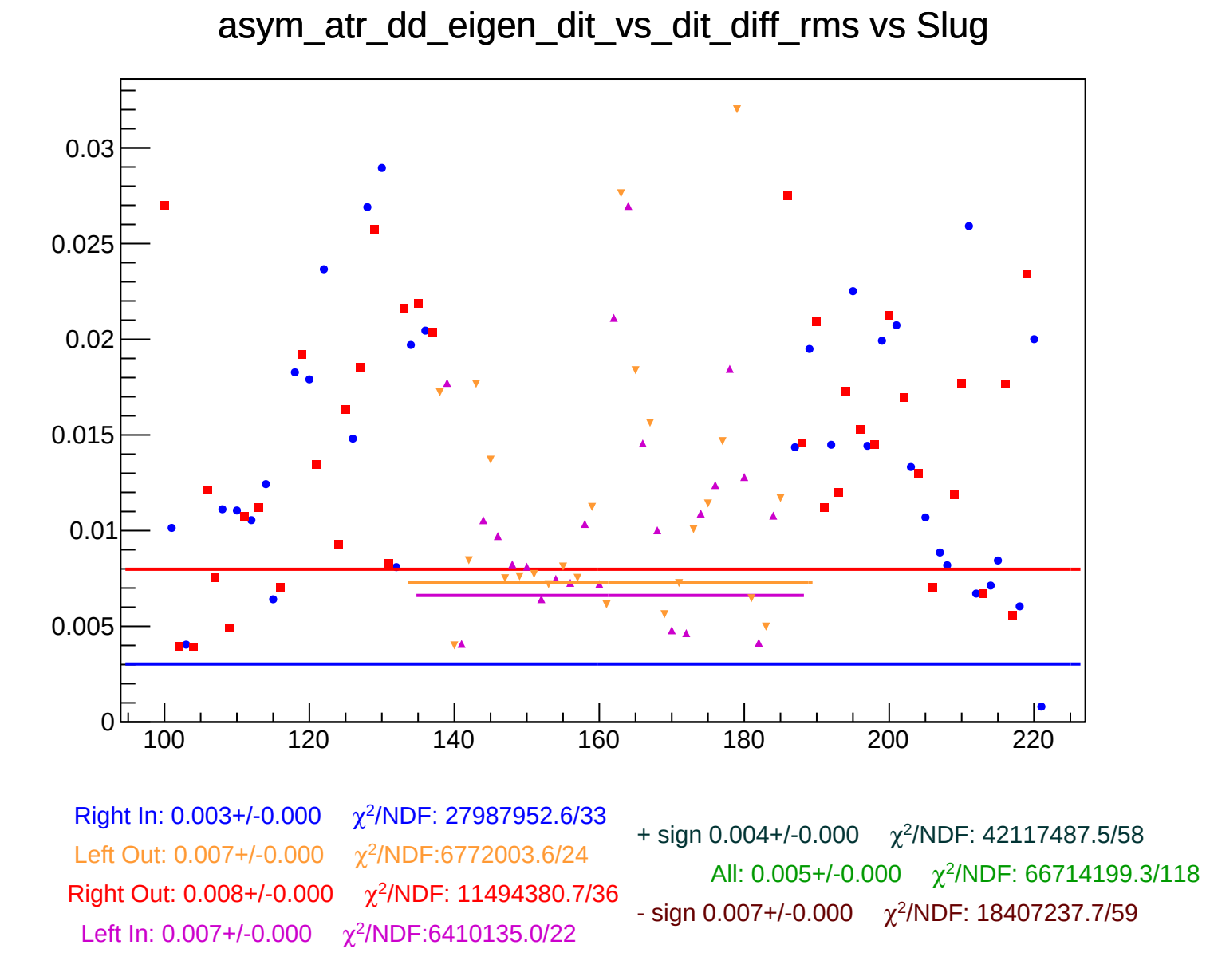
Right Out: 0.000+/-0.000 χ^2/NDF: 58.0/36

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

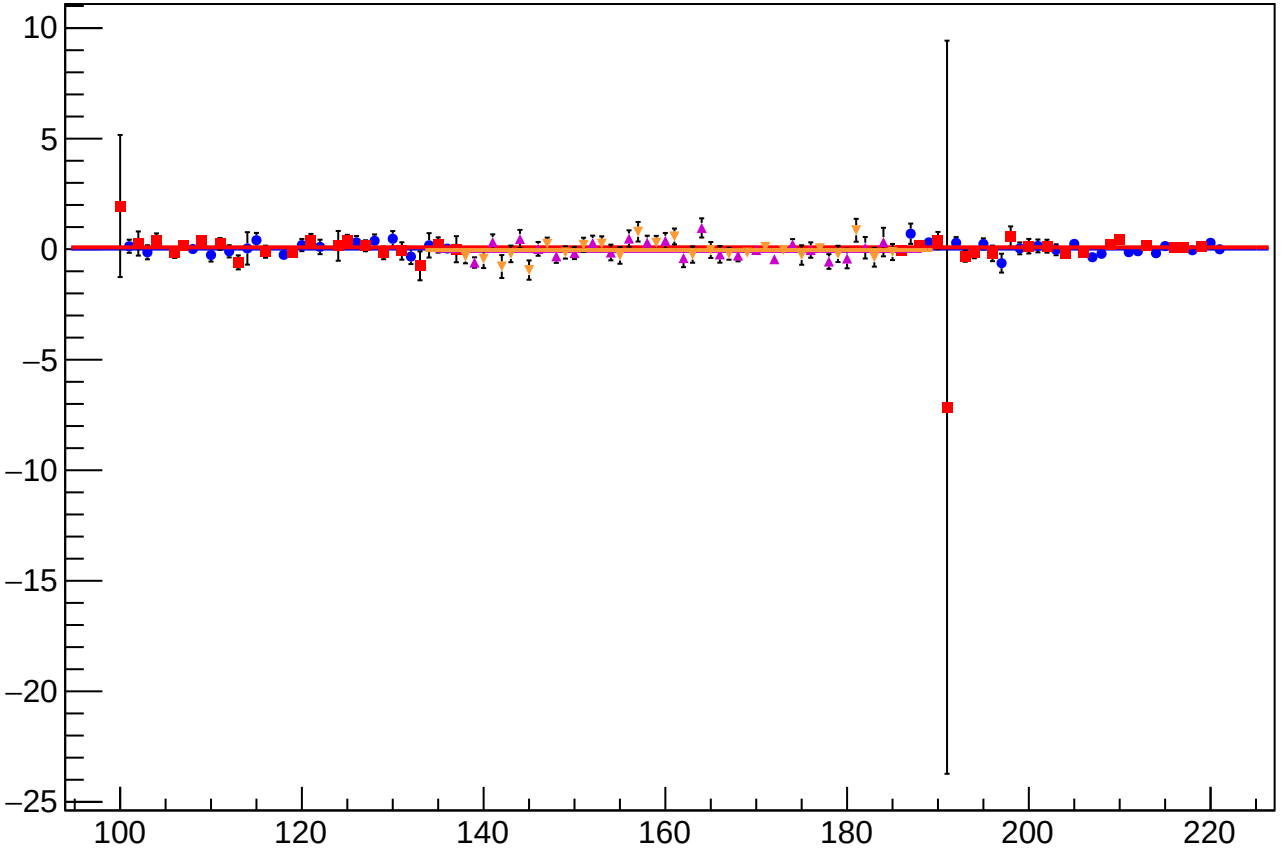
+ sign 0.000+/-0.000 χ^2/NDF: 112.6/58

All: 0.000+/-0.000 χ^2/NDF: 206.3/118

- sign 0.000+/-0.000 χ^2/NDF: 92.6/59


asym_atr_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
220
Right In: 0.003+/-0.000 χ²/NDF: 27987952.6/33
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 11494380.7/36
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.004+/-0.000 χ²/NDF: 42117487.5/58
All: 0.005+/-0.000 χ²/NDF: 66714199.3/118
- sign 0.007+/-0.000 χ²/NDF: 18407237.7/59

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

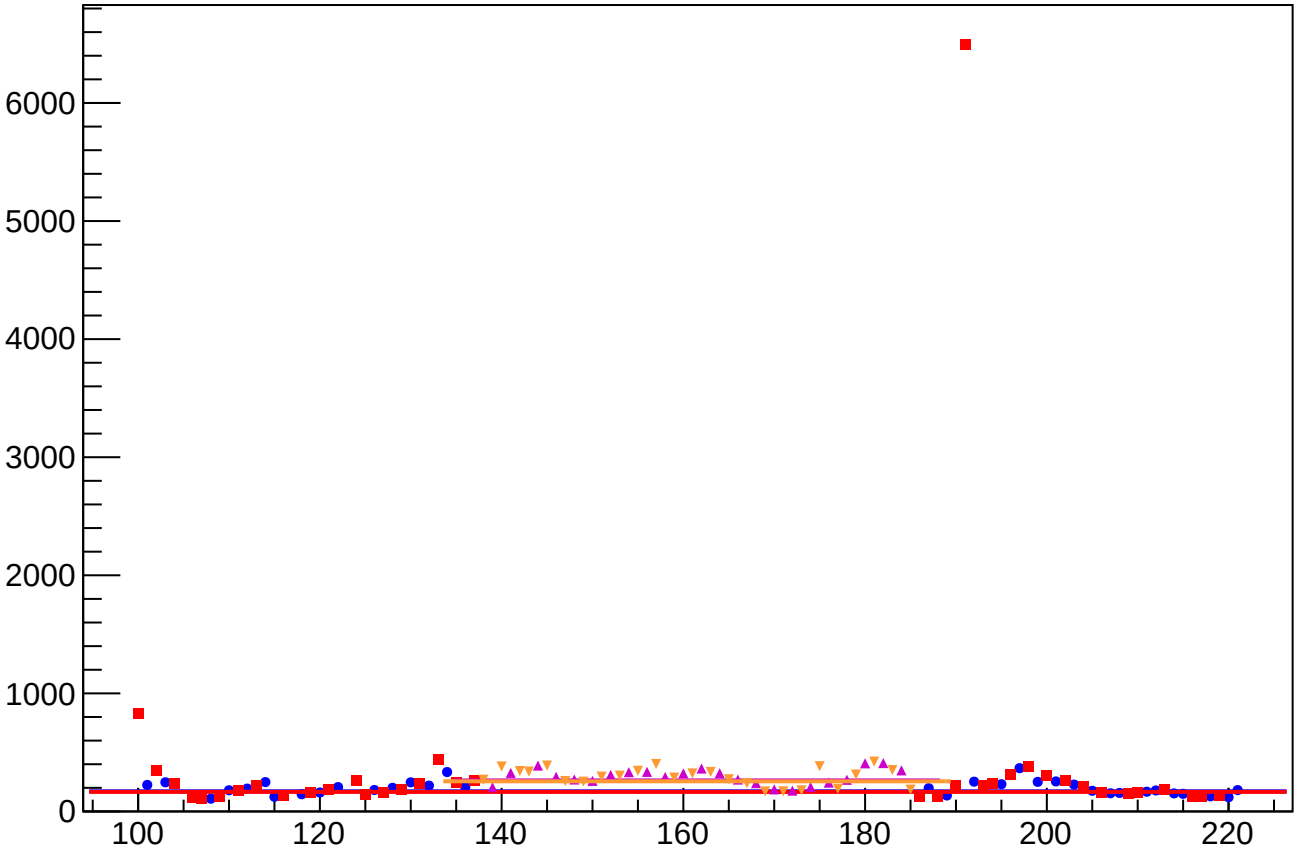
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.025+/-0.023 χ^2/NDF: 129.8/118

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 170.500+/-0.027 χ^2/NDF: 2790126.7/33

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

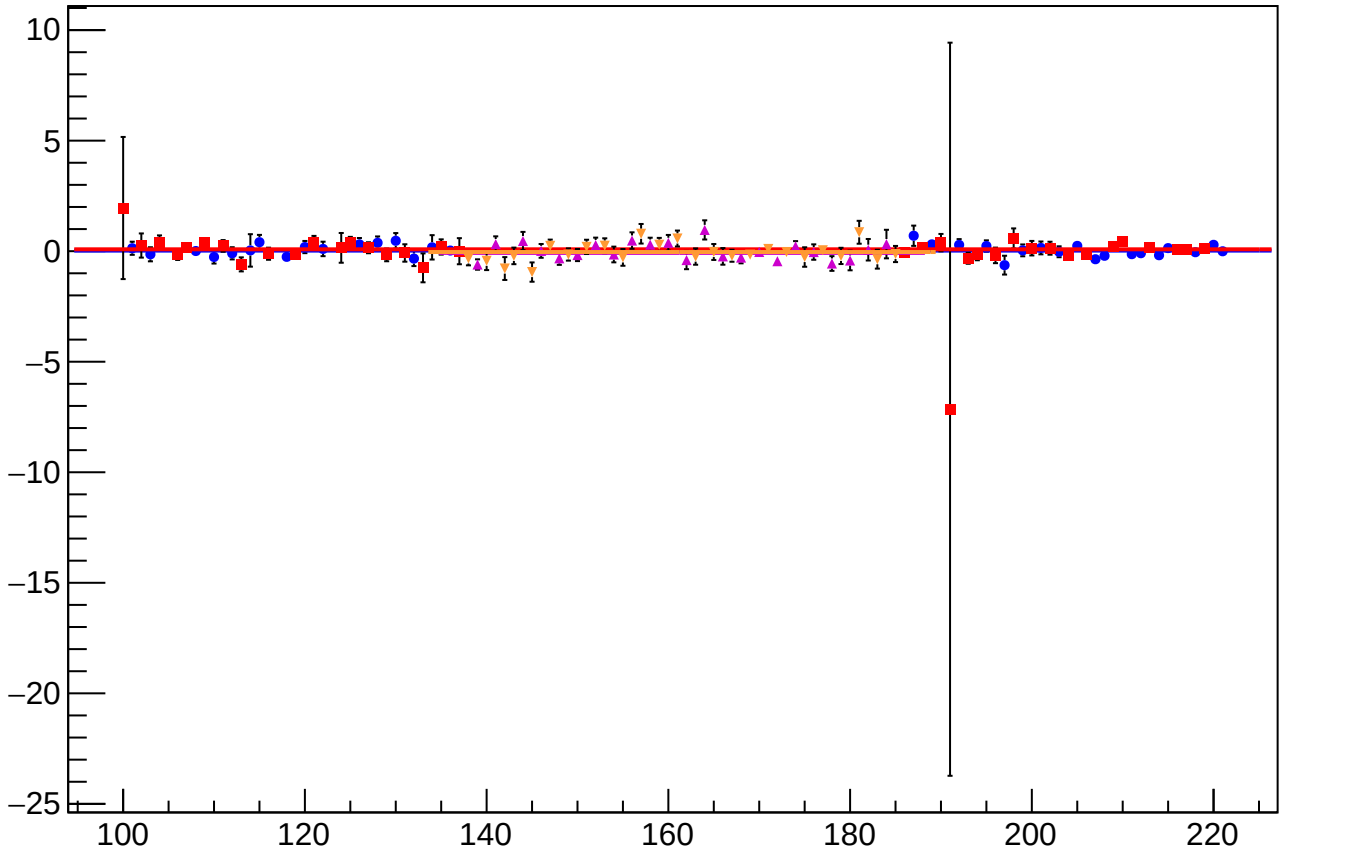
Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 194.319+/-0.023 χ^2/NDF: 8427119.4/58

All: 192.983+/-0.017 χ^2/NDF: 17832378.5/11

- sign 191.598+/-0.024 χ^2/NDF: 9398504.0/59



Right In: 0.027+/-0.039 χ^2/NDF: 35.0/33

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

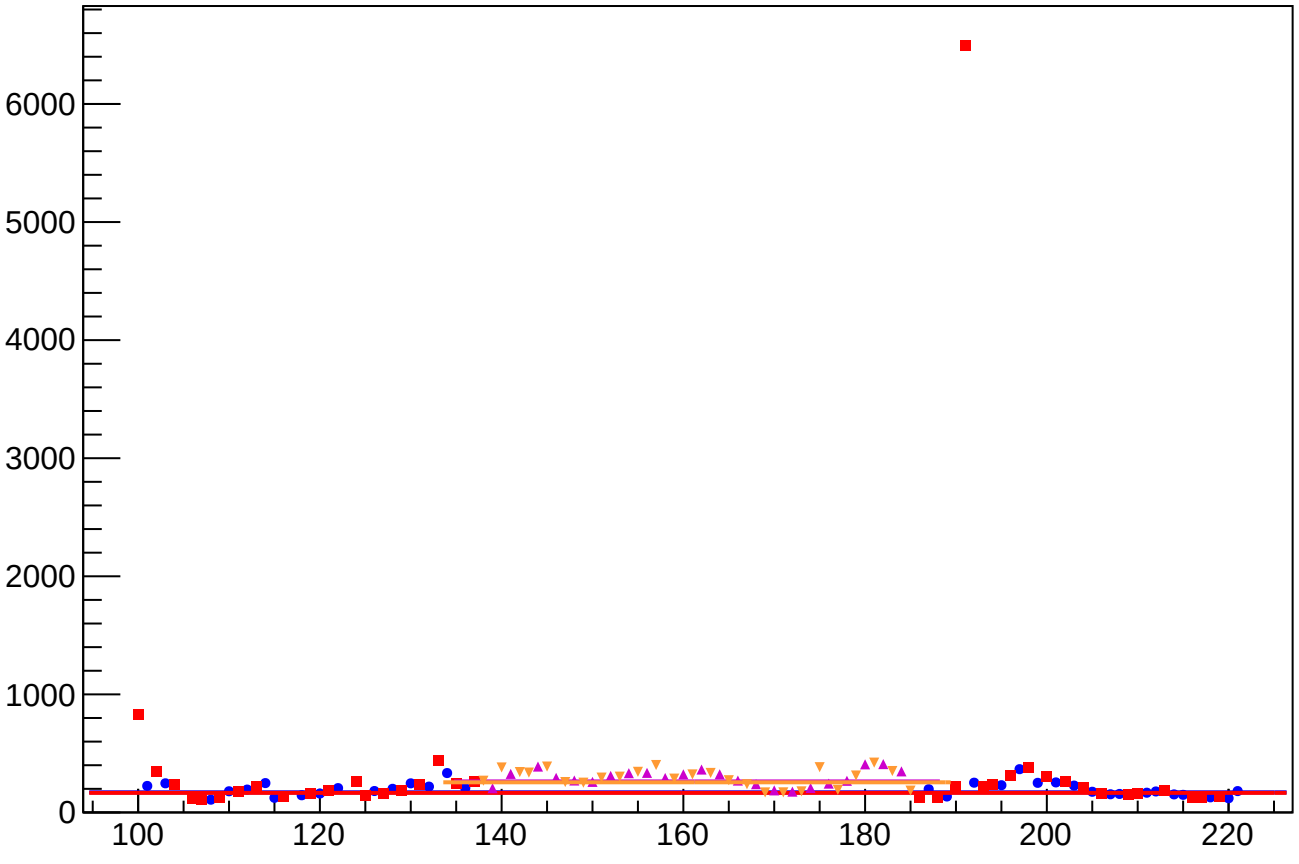
Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/58

All: 0.025+/-0.023 χ^2/NDF: 129.8/118

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59



Right In: 170.500+/-0.027 χ^2/NDF: 2790126.7/33

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

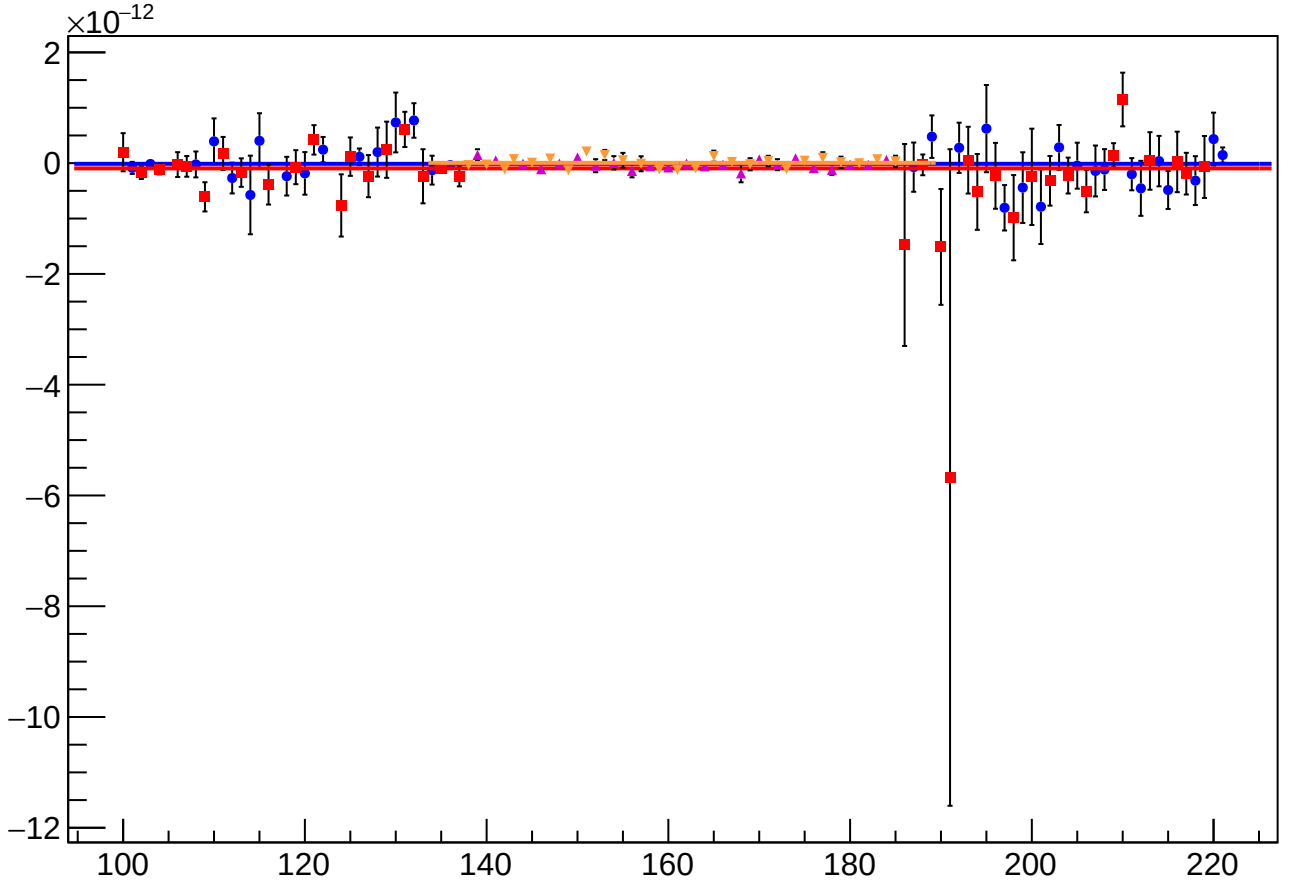
Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 194.319+/-0.023 χ^2/NDF: 8427119.4/58

All: 192.983+/-0.017 χ^2/NDF: 17832378.5/11

- sign 191.598+/-0.024 χ^2/NDF: 9398504.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

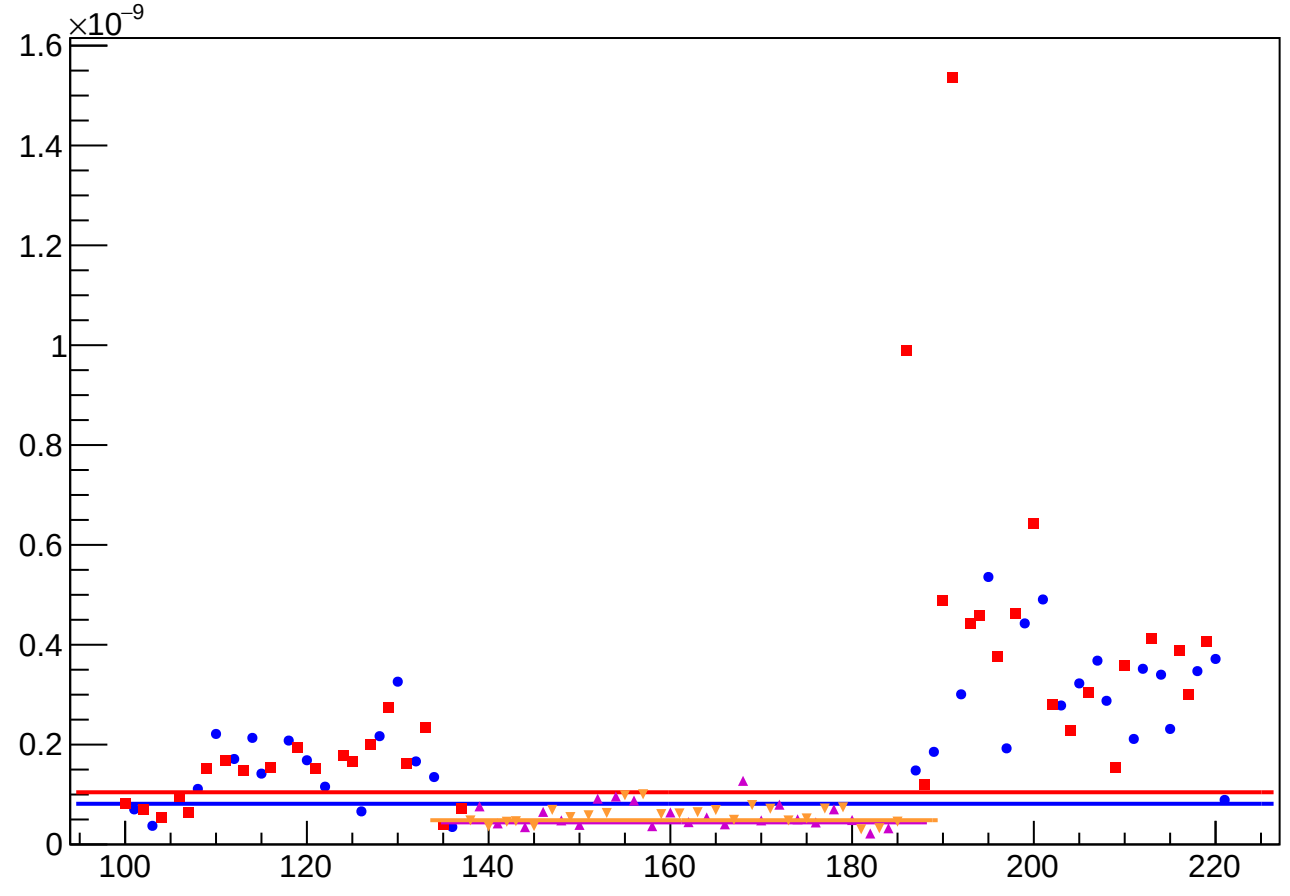
Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/36

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/58

All: -0.000+/-0.000 χ^2/NDF: 120.8/118

- sign -0.000+/-0.000 χ^2/NDF: 58.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 13113135.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11318915.2/36

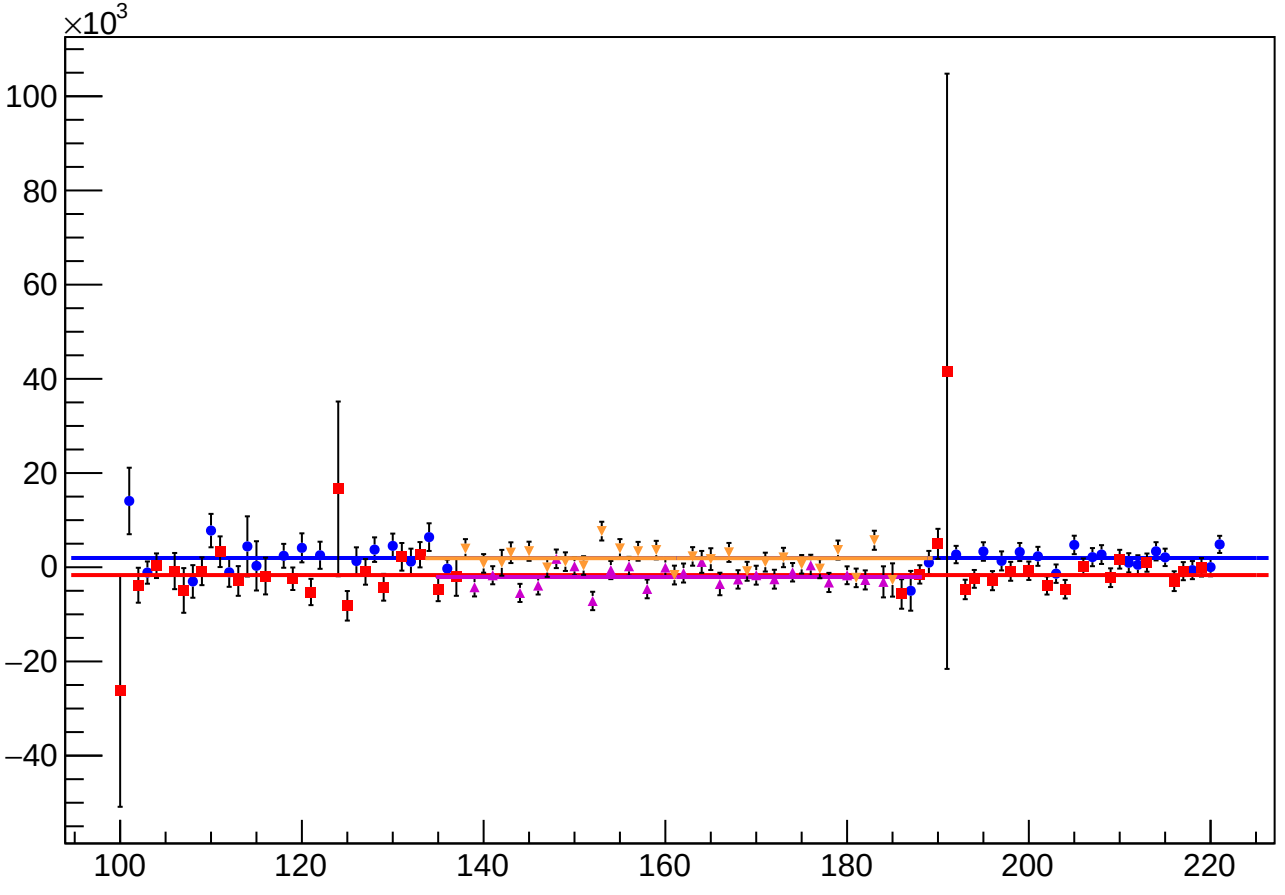
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17334452.0/58

All: 0.000+/-0.000 χ^2/NDF: 36640822.0/118

- sign 0.000+/-0.000 χ^2/NDF: 19259169.6/59

reg_asym_at1_avg_mean vs Slug



Right In: 1964.912+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1661.705+/-410.440 χ^2/NDF: 38.8/36

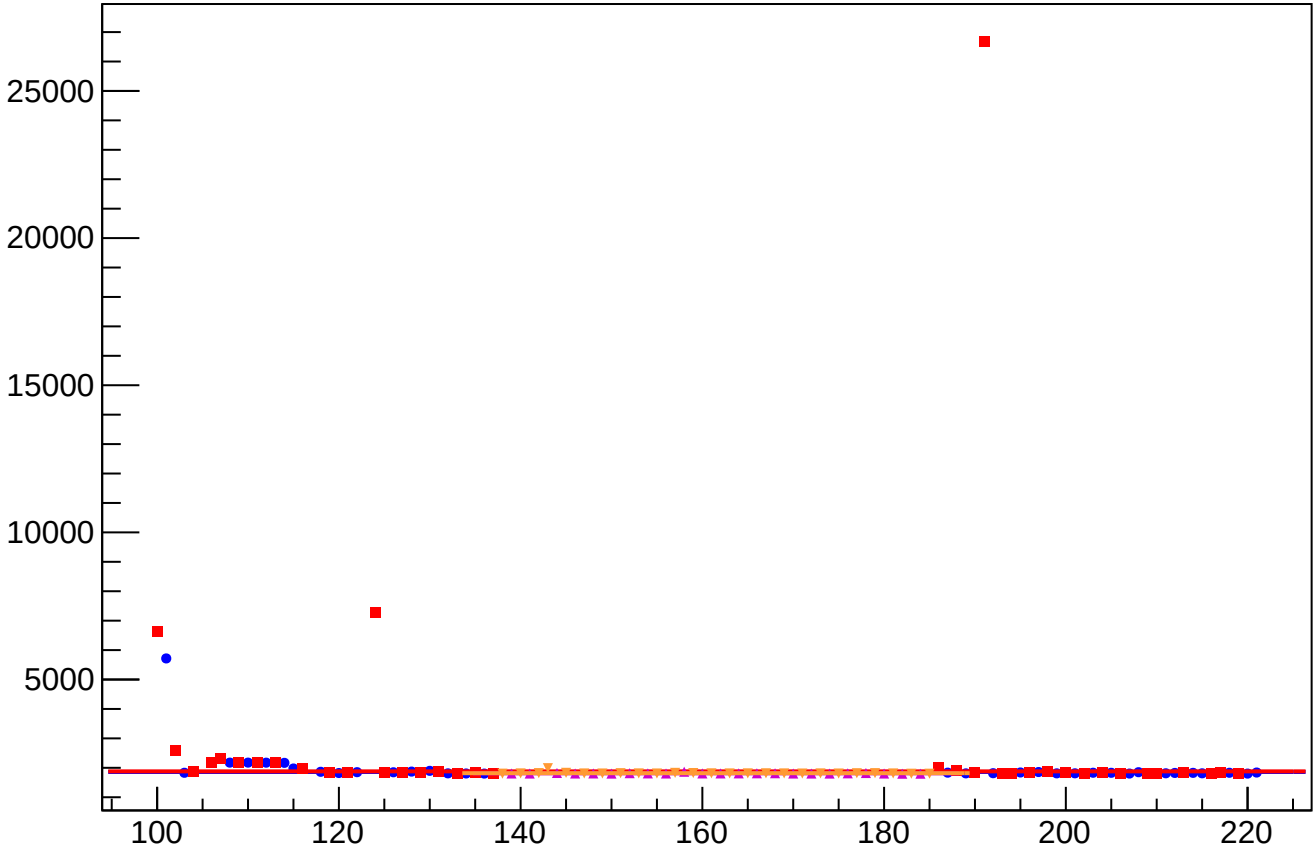
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1943.564+/-286.675 χ^2/NDF: 64.7/58

All: 93.048+/-205.466 χ^2/NDF: 216.2/118

- sign -1861.641+/-294.633 χ^2/NDF: 65.8/59

reg_asym_at1_avg_rms vs Slug



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.191+/-0.290 χ^2/NDF: 747904.7/36

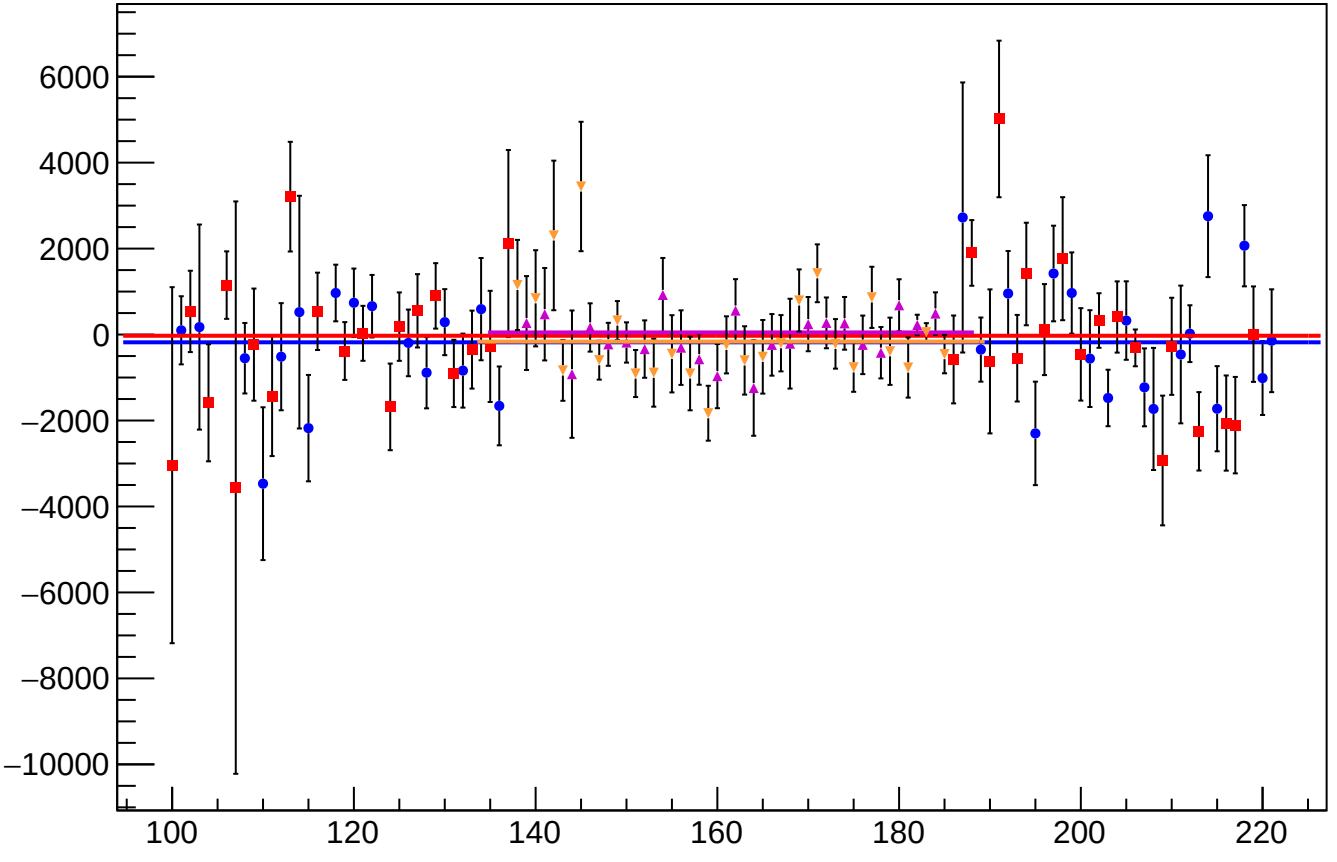
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.532+/-0.203 χ^2/NDF: 695782.4/58

All: 1842.596+/-0.145 χ^2/NDF: 1472085.8/11

- sign 1846.888+/-0.208 χ^2/NDF: 775477.1/59

asym_at1_avg_reg_correction_mean vs Slug



Right In: -180.262+/-162.743 χ^2/NDF: 46.1/33

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -27.867+/-154.684 χ^2/NDF: 55.4/36

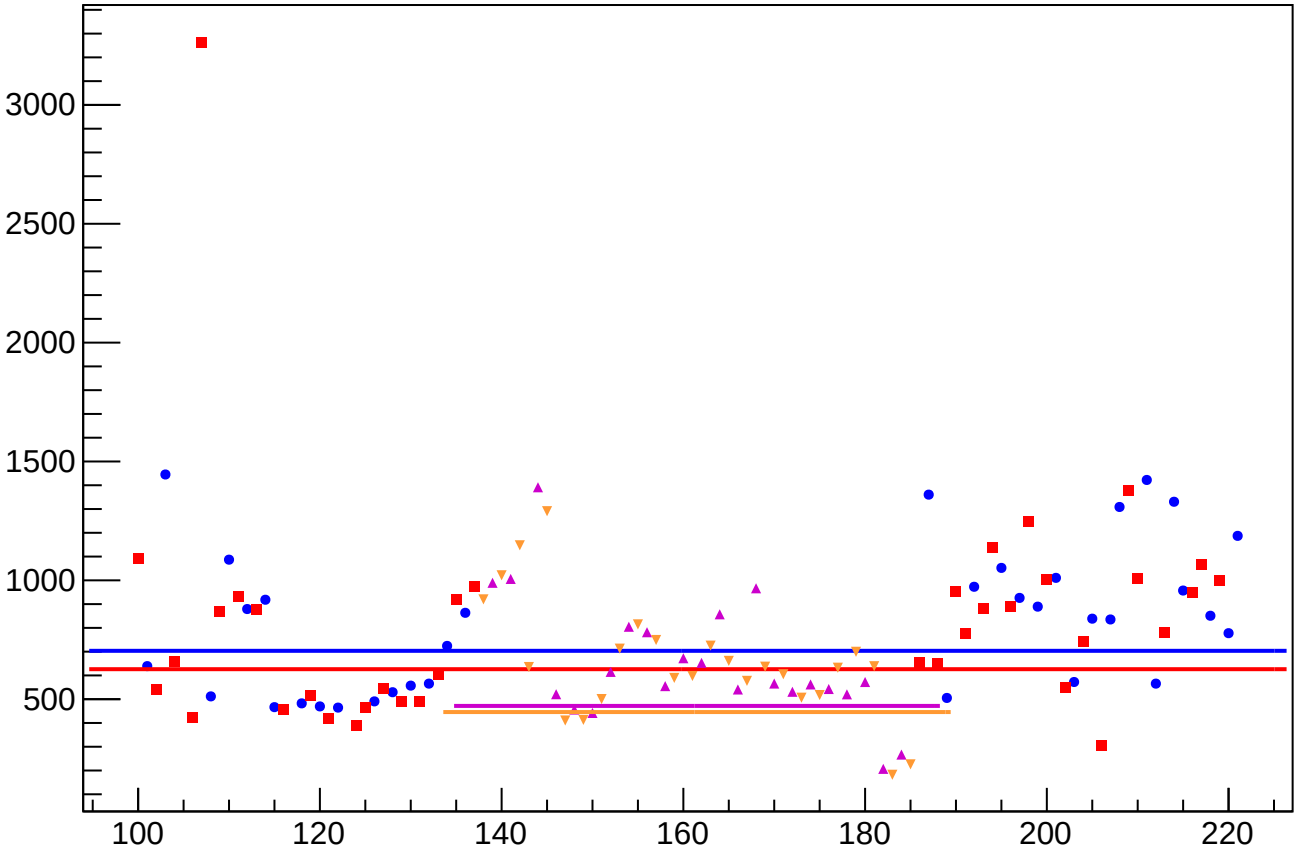
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -168.766+/-94.079 χ^2/NDF: 82.9/58

All: -76.661+/-67.235 χ^2/NDF: 151.8/118

- sign 19.494+/-96.125 χ^2/NDF: 66.9/59

asym_at1_avg_reg_correction_rms vs Slug



Right In: 703.510+/-0.115 χ^2/NDF: 4354819.6/33

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.221+/-0.109 χ^2/NDF: 5557747.4/36

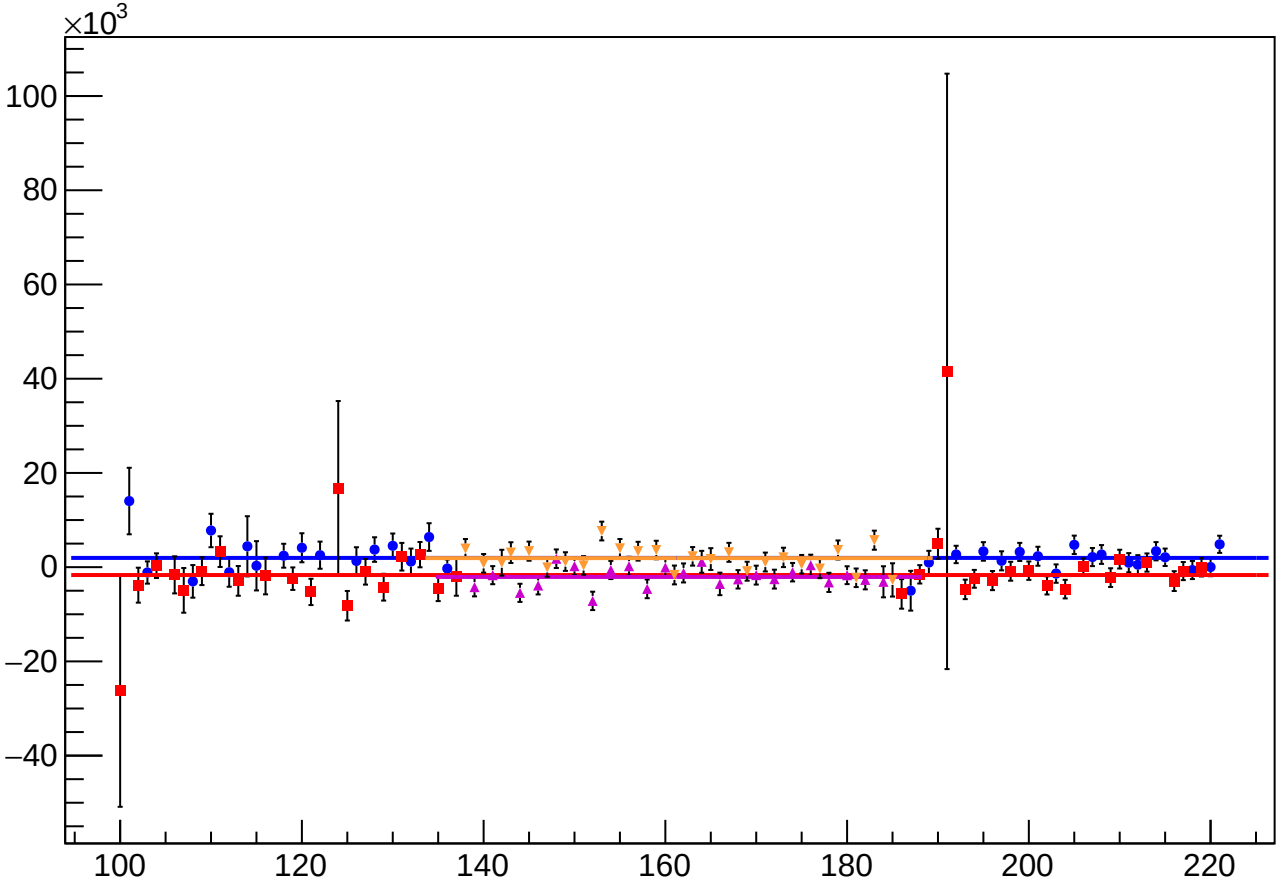
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 531.983+/-0.067 χ^2/NDF: 15674097.1/58

All: 531.698+/-0.048 χ^2/NDF: 28870136.2/11

- sign 531.400+/-0.068 χ^2/NDF: 13196001.6/59

cor_asym_at1_avg_mean vs Slug



Right In: 1964.775+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1671.197+/-410.552 χ^2/NDF: 38.7/36

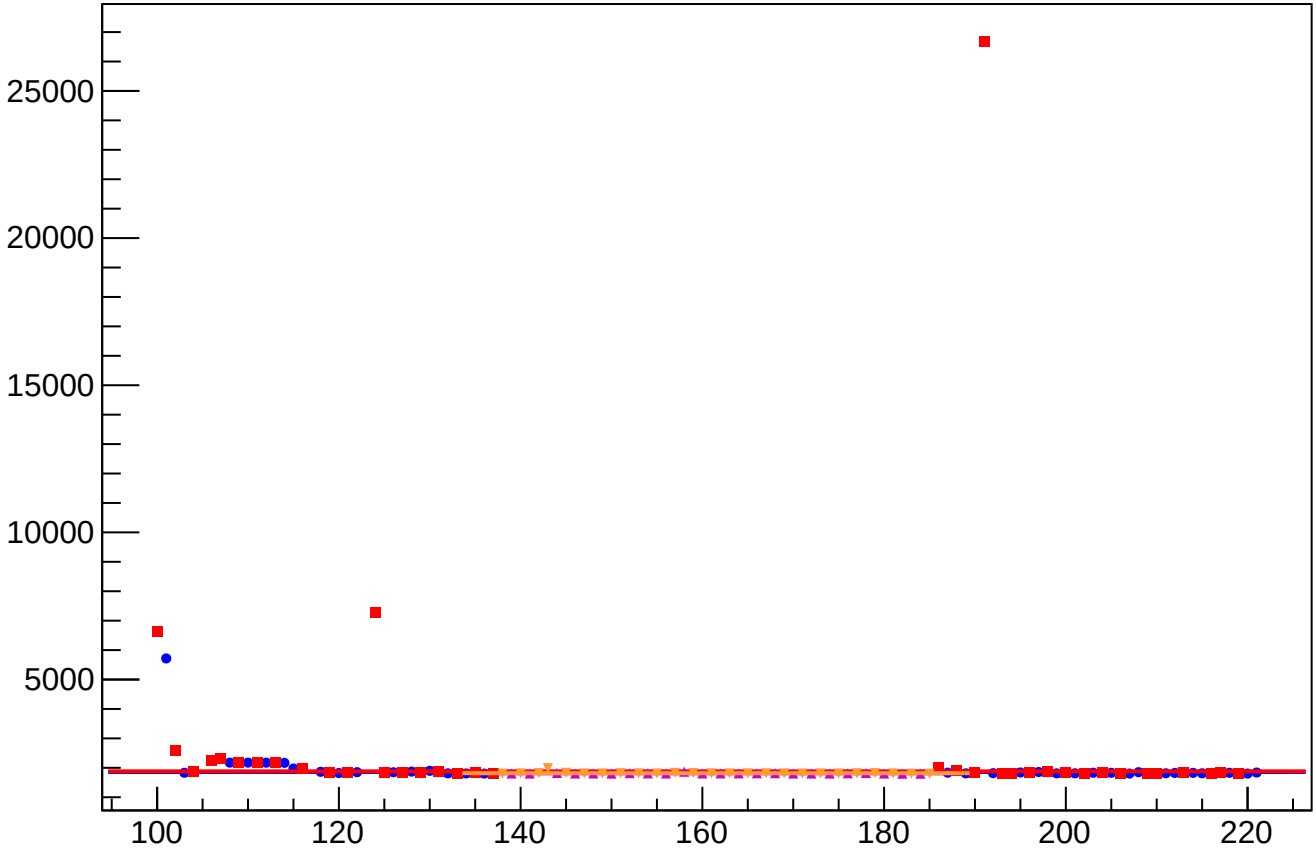
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1943.476+/-286.675 χ^2/NDF: 64.7/58

All: 90.842+/-205.480 χ^2/NDF: 216.3/118

- sign -1866.636+/-294.675 χ^2/NDF: 65.7/59

cor_asym_at1_avg_rms vs Slug



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

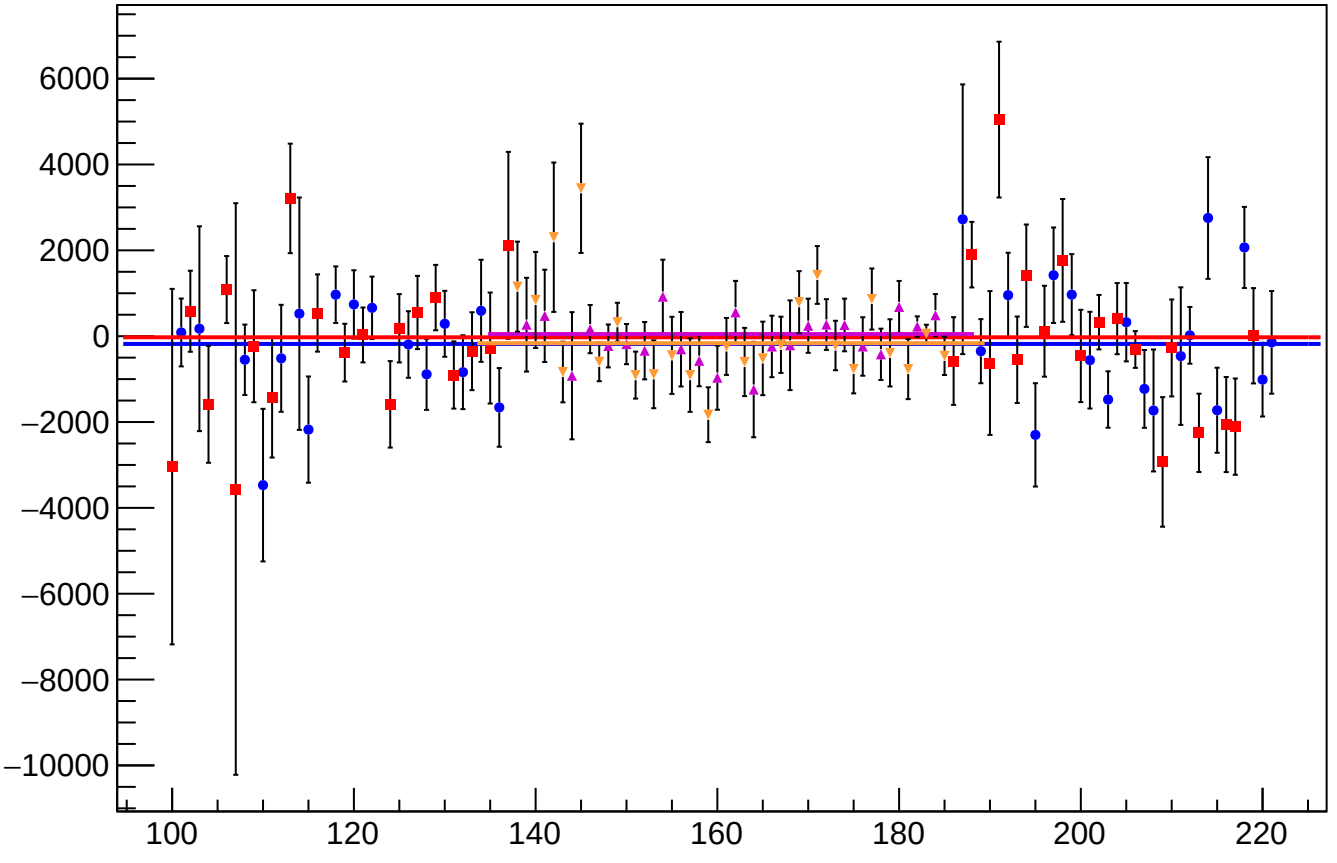
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.532+/-0.203 χ^2/NDF: 695782.3/58

All: 1842.686+/-0.145 χ^2/NDF: 1476211.6/11

- sign 1847.075+/-0.208 χ^2/NDF: 779565.7/59

asym_at1_avg_cor_correction_mean vs Slug



Right In: -180.701+/-162.726 χ^2/NDF: 46.1/33

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -26.115+/-154.631 χ^2/NDF: 55.1/36

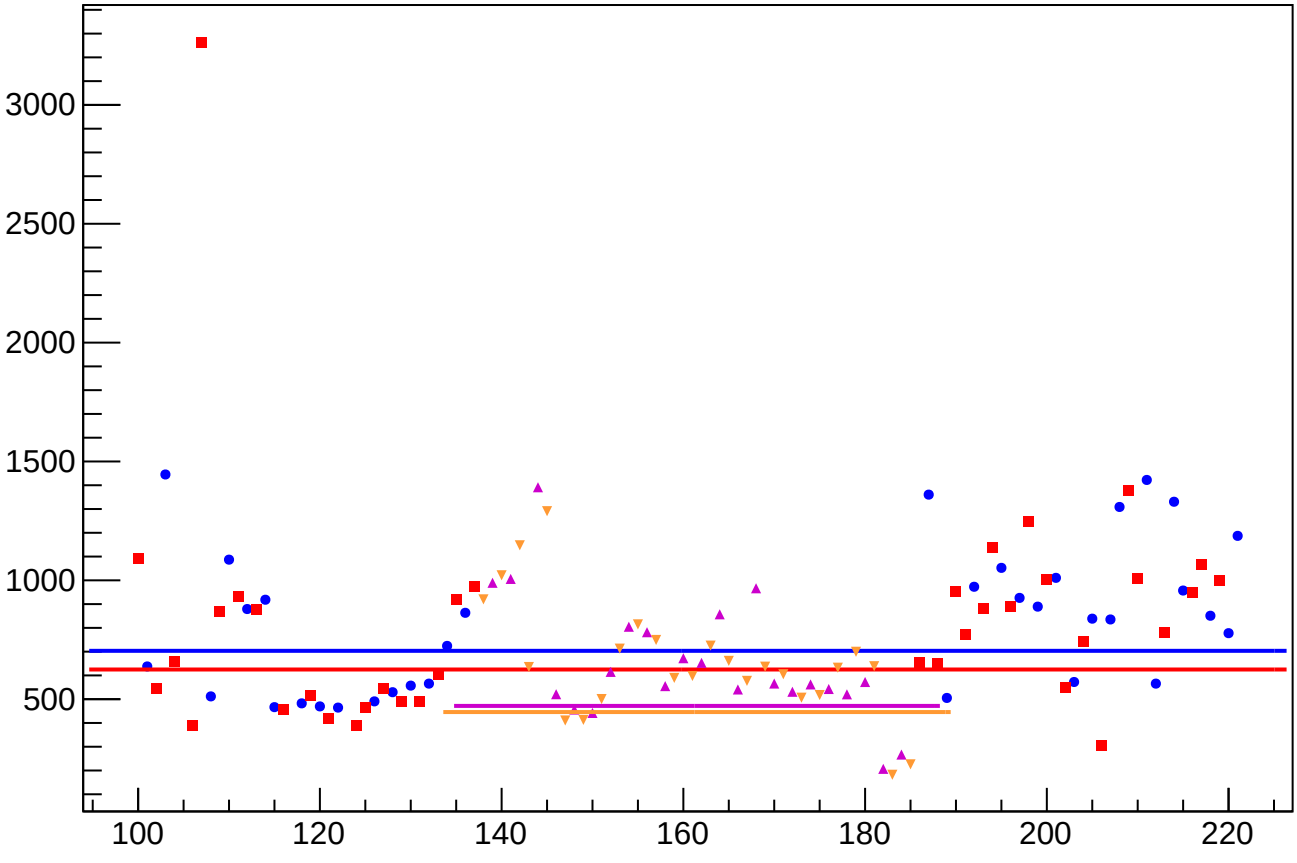
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -168.857+/-94.073 χ^2/NDF: 82.9/58

All: -76.371+/-67.230 χ^2/NDF: 151.5/118

- sign 20.170+/-96.114 χ^2/NDF: 66.6/59

asym_at1_avg_cor_correction_rms vs Slug



Right In: 703.439+/-0.115 χ^2/NDF: 4355505.3/33

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

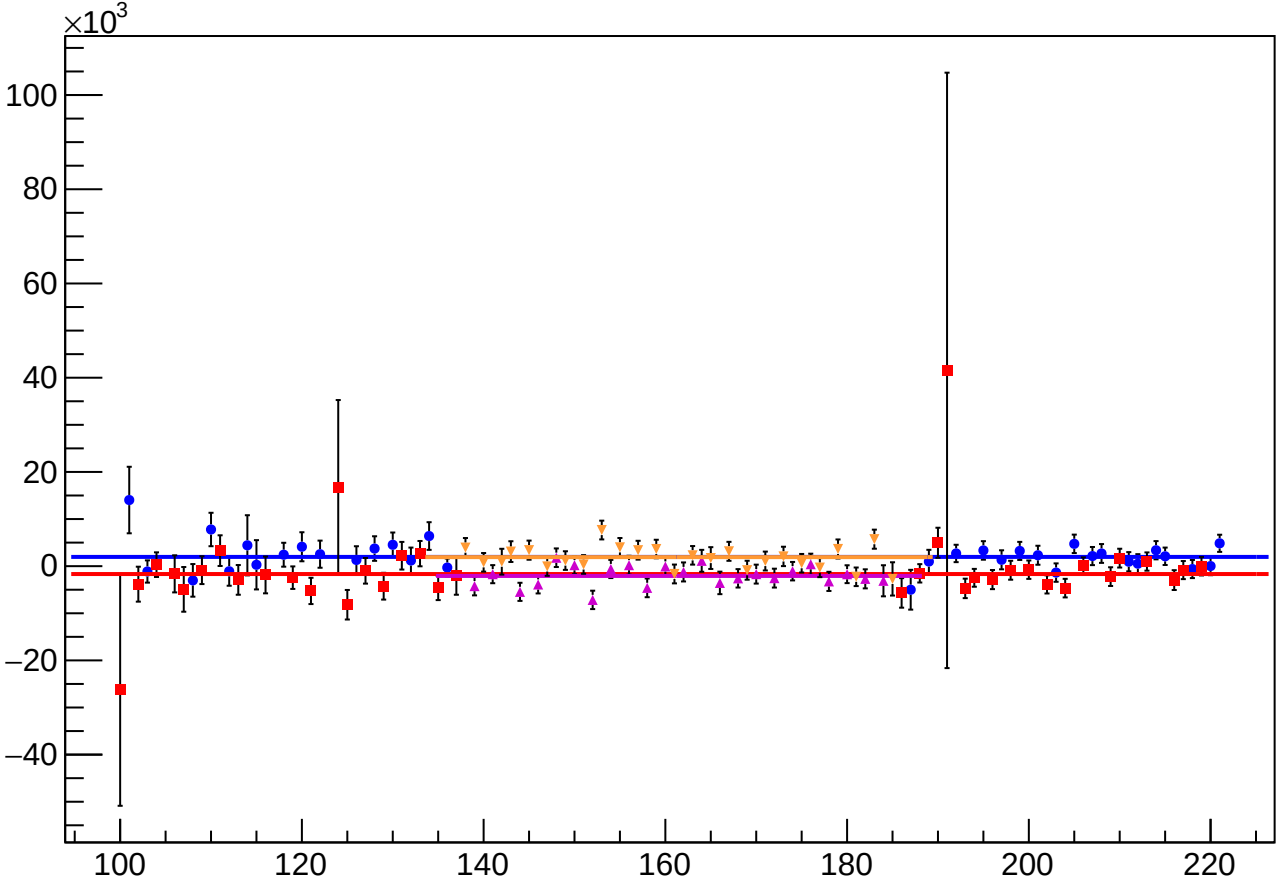
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 531.950+/-0.067 χ^2/NDF: 15675562.8/58

All: 531.445+/-0.048 χ^2/NDF: 28899721.3/11

- sign 530.918+/-0.068 χ^2/NDF: 13224040.8/59

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1964.775+/-398.318 χ^2/NDF: 32.2/33

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1671.197+/-410.552 χ^2/NDF: 38.7/36

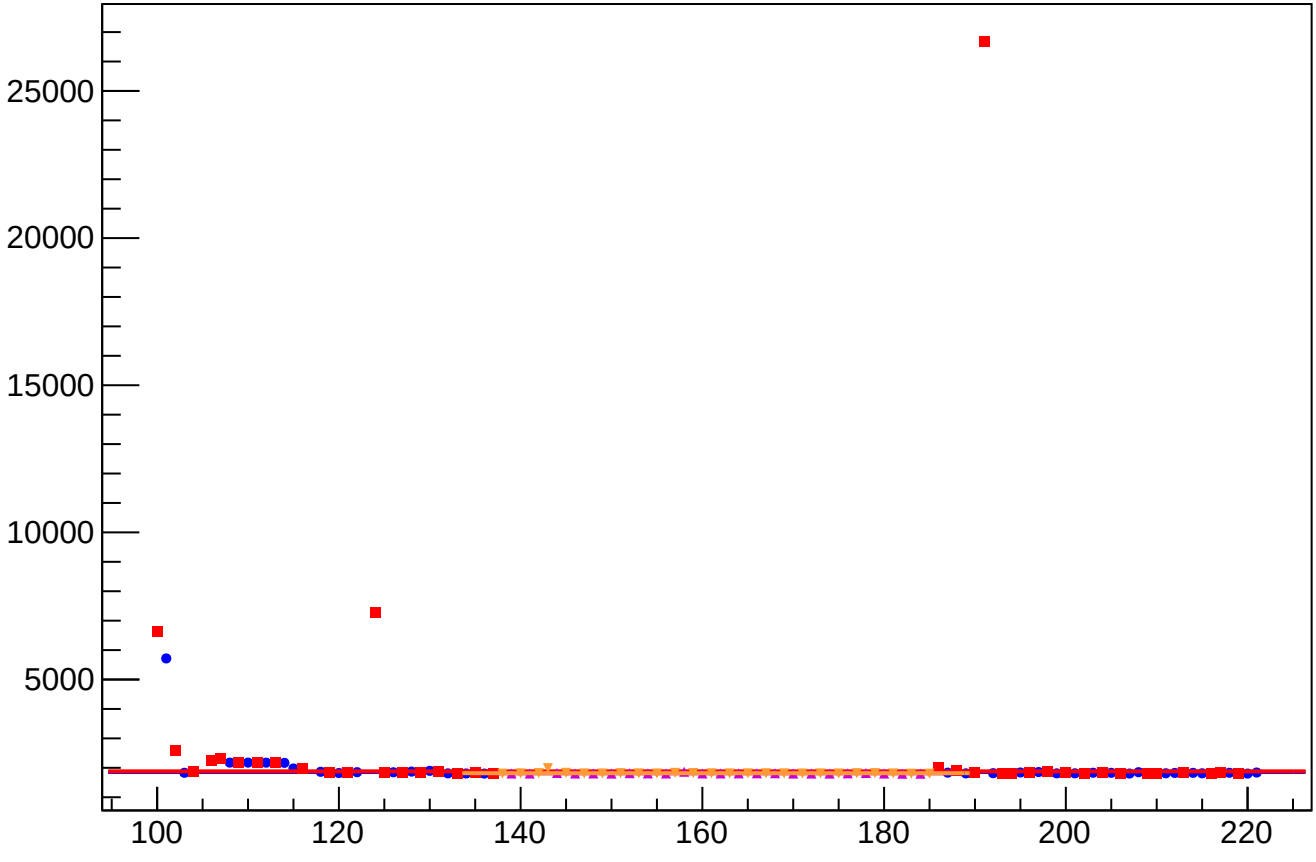
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1943.476+/-286.675 χ^2/NDF: 64.7/58

All: 90.842+/-205.480 χ^2/NDF: 216.3/118

- sign -1866.636+/-294.675 χ^2/NDF: 65.7/59

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1858.081+/-0.282 χ^2/NDF: 672832.5/33

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

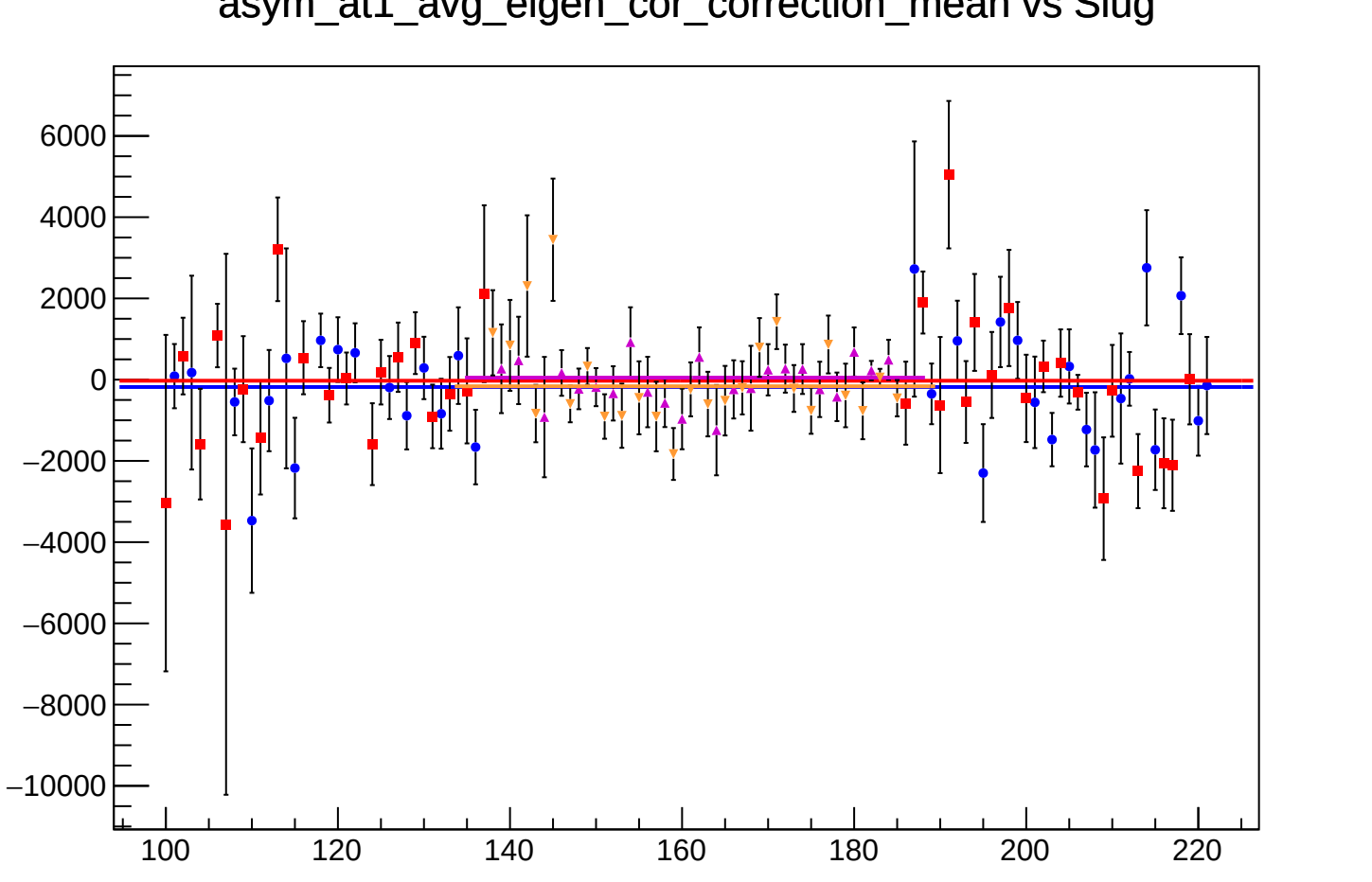
Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.532+/-0.203 χ^2/NDF: 695782.3/58

All: 1842.686+/-0.145 χ^2/NDF: 1476211.6/11

- sign 1847.075+/-0.208 χ^2/NDF: 779565.7/59



Right In: -180.701+/-162.726 χ^2/NDF: 46.1/33

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

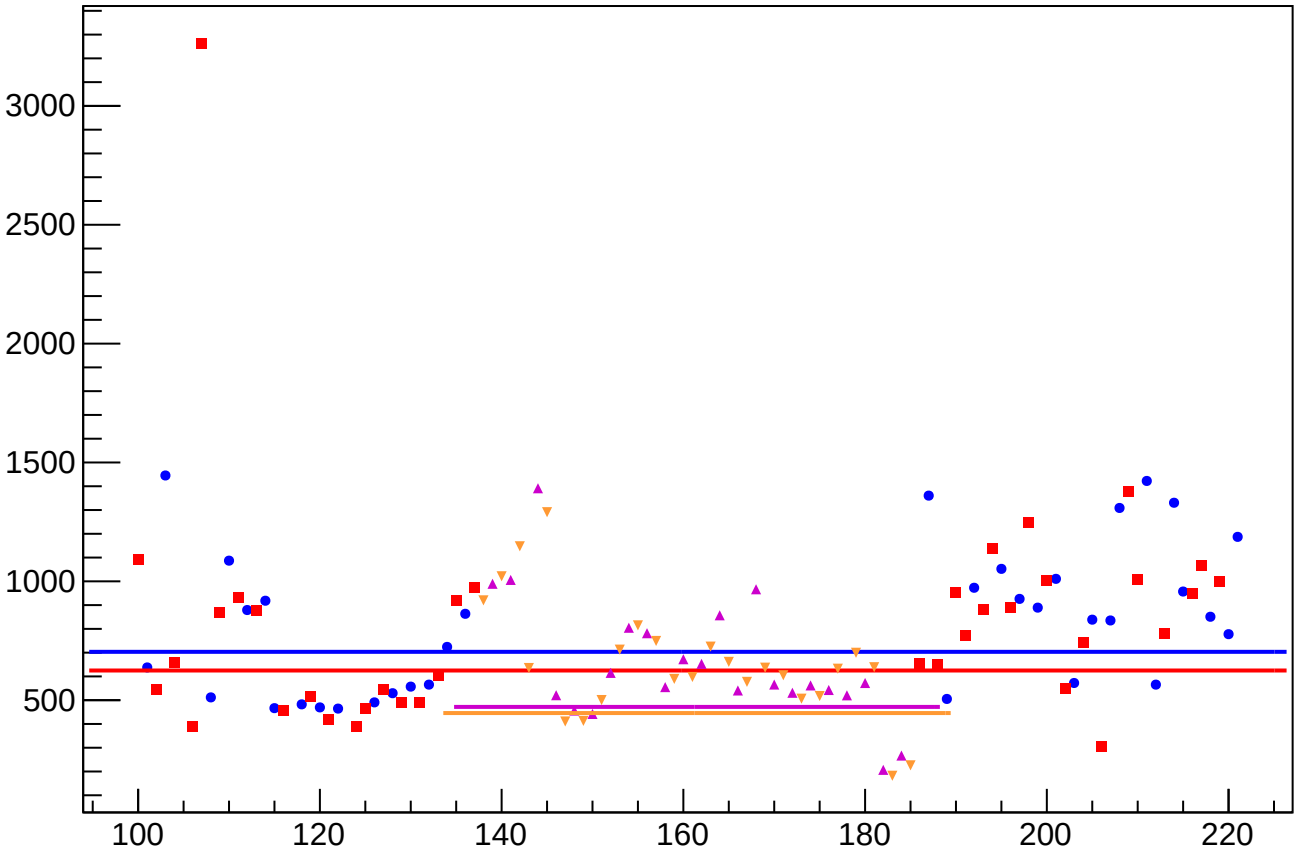
Right Out: -26.115+/-154.631 χ^2/NDF: 55.1/36

Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

\+ sign -168.857+/-94.073 χ^2/NDF: 82.9/58

All: -76.371+/-67.230 χ^2/NDF: 151.5/118

\- sign 20.170+/-96.114 χ^2/NDF: 66.6/59



Right In: 703.439+/-0.115 χ^2/NDF: 4355505.3/33

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

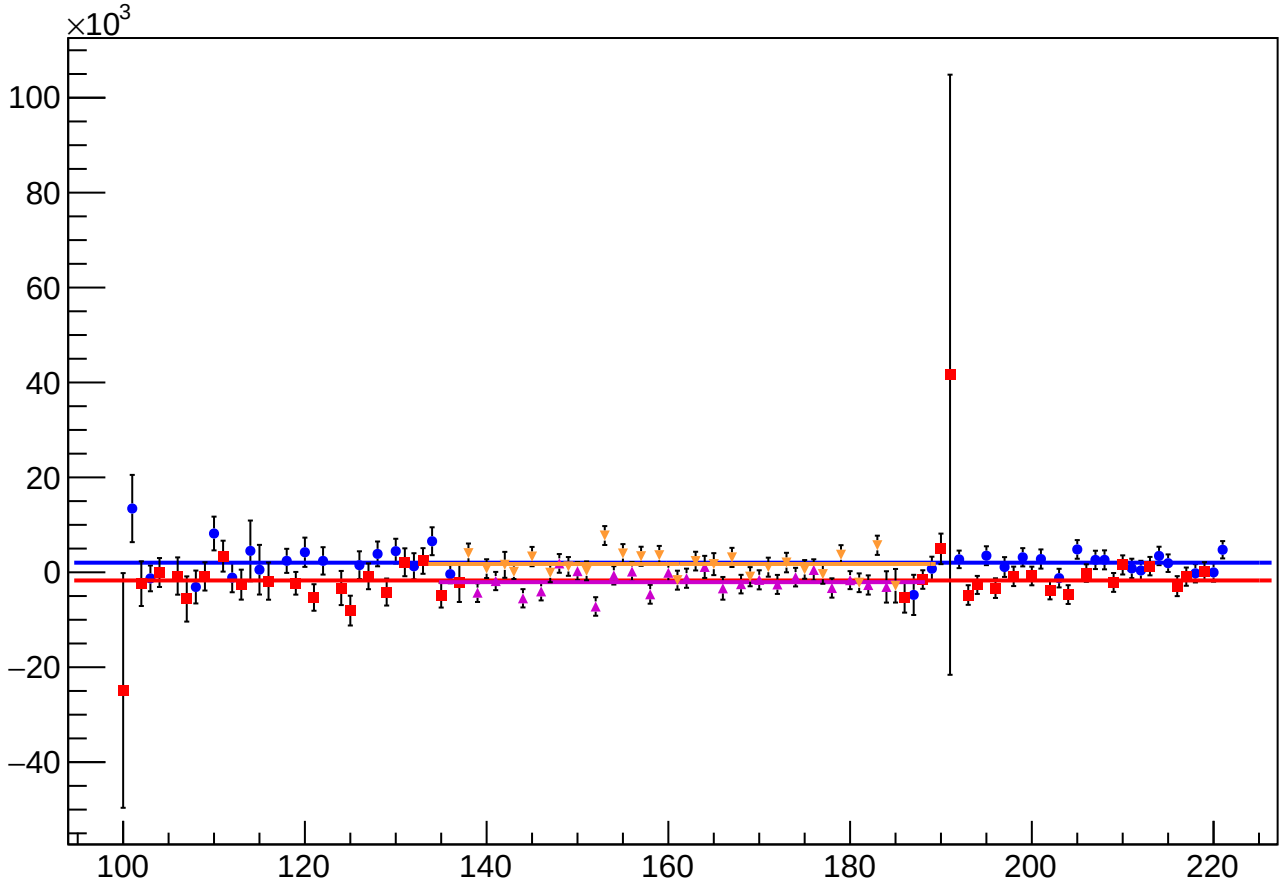
Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 531.950+/-0.067 χ^2/NDF: 15675562.8/58

All: 531.445+/-0.048 χ^2/NDF: 28899721.3/11

- sign 530.918+/-0.068 χ^2/NDF: 13224040.8/59



Right In: 2026.848+/-401.447 χ^2/NDF: 31.9/33

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1717.597+/-412.578 χ^2/NDF: 37.0/36

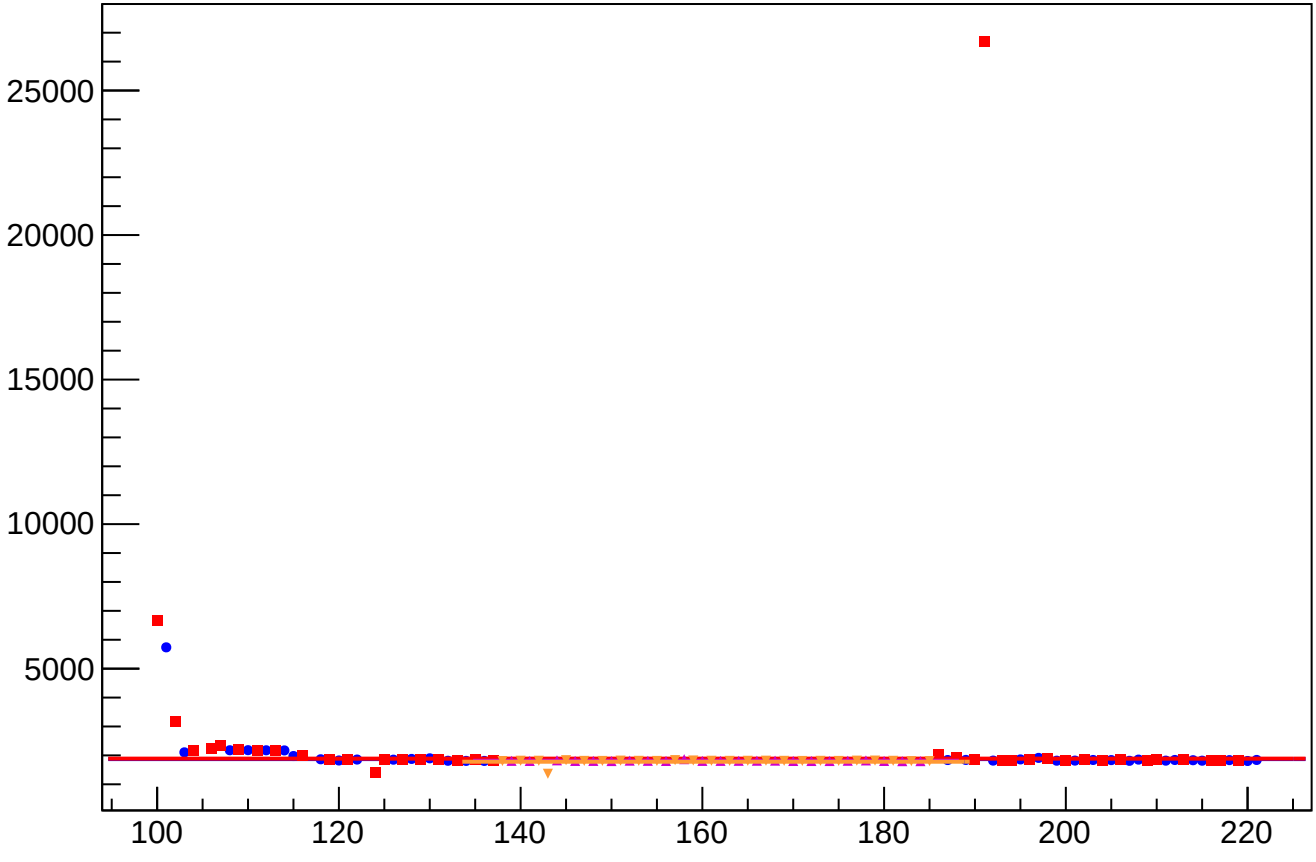
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1892.501+/-285.254 χ^2/NDF: 65.9/58

All: 68.040+/-205.256 χ^2/NDF: 215.1/118

- sign -1890.809+/-295.573 χ^2/NDF: 64.4/59

dit_asym_at1_avg_rms vs Slug



Right In: 1872.185+/-0.284 χ^2/NDF: 687210.9/33

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.699+/-0.292 χ^2/NDF: 705752.0/36

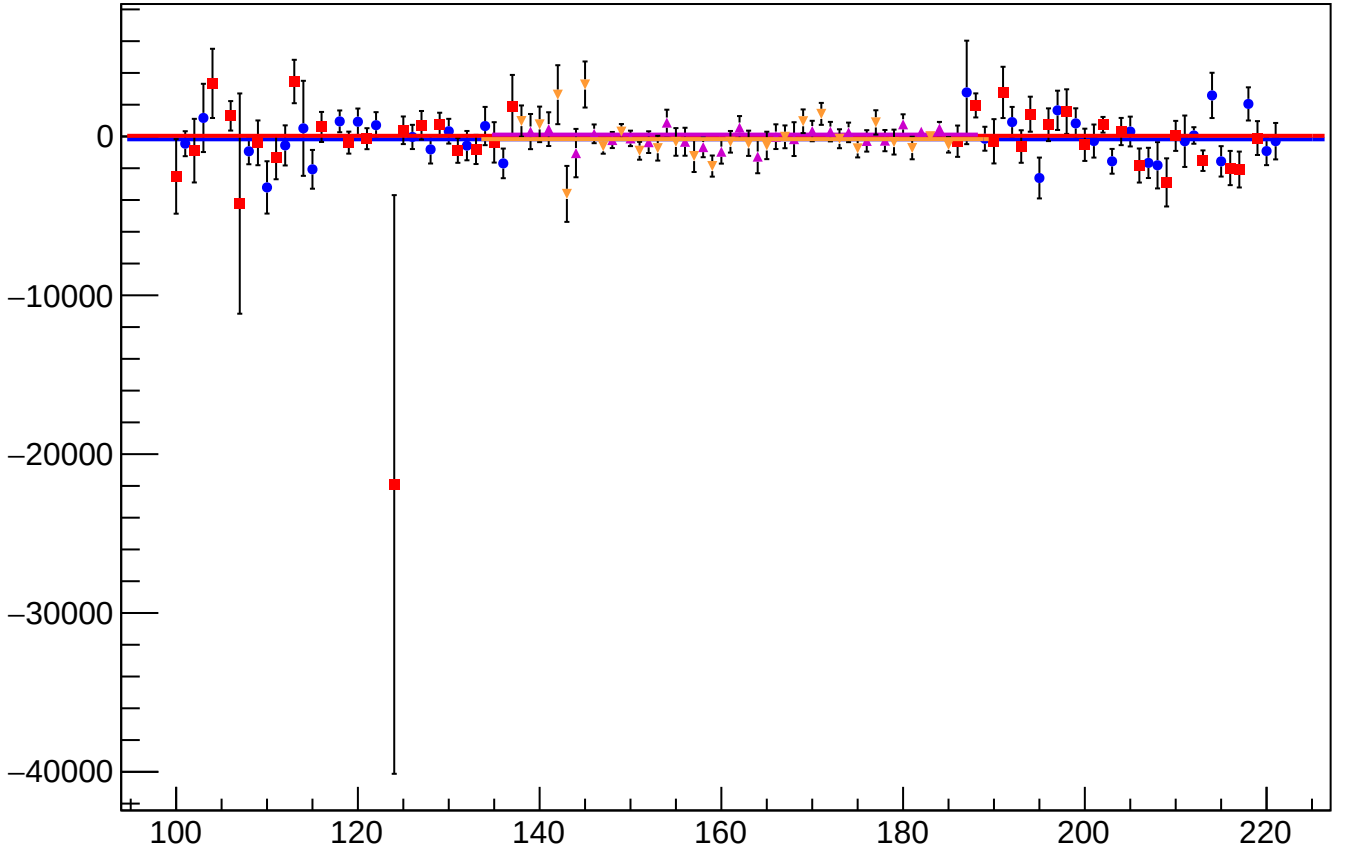
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.997+/-0.202 χ^2/NDF: 903332.8/58

All: 1839.072+/-0.145 χ^2/NDF: 1649309.8/11

- sign 1852.036+/-0.209 χ^2/NDF: 738545.4/59

asym_at1_avg_dit_correction_mean vs Slug



Right In: -179.285+/-164.356 χ^2/NDF: 44.7/33

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 42.273+/-163.031 χ^2/NDF: 55.5/36

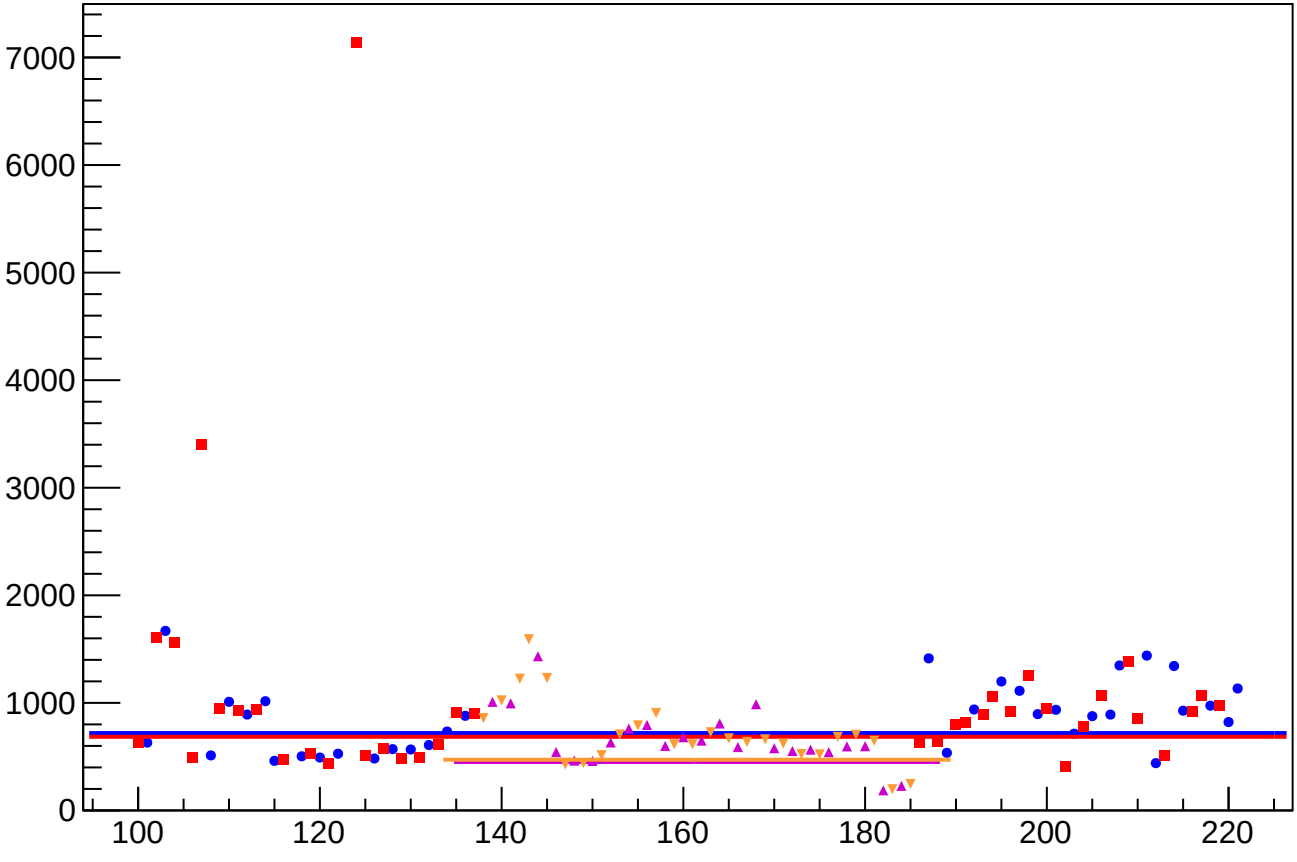
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -171.934+/-97.769 χ^2/NDF: 83.0/58

All: -38.811+/-68.688 χ^2/NDF: 154.6/118

- sign 90.943+/-96.524 χ^2/NDF: 67.9/59

asym_at1_avg_dit_correction_rms vs Slug



Right In: 719.525+/-0.116 χ^2/NDF: 4925558.7/33

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509203.4/36

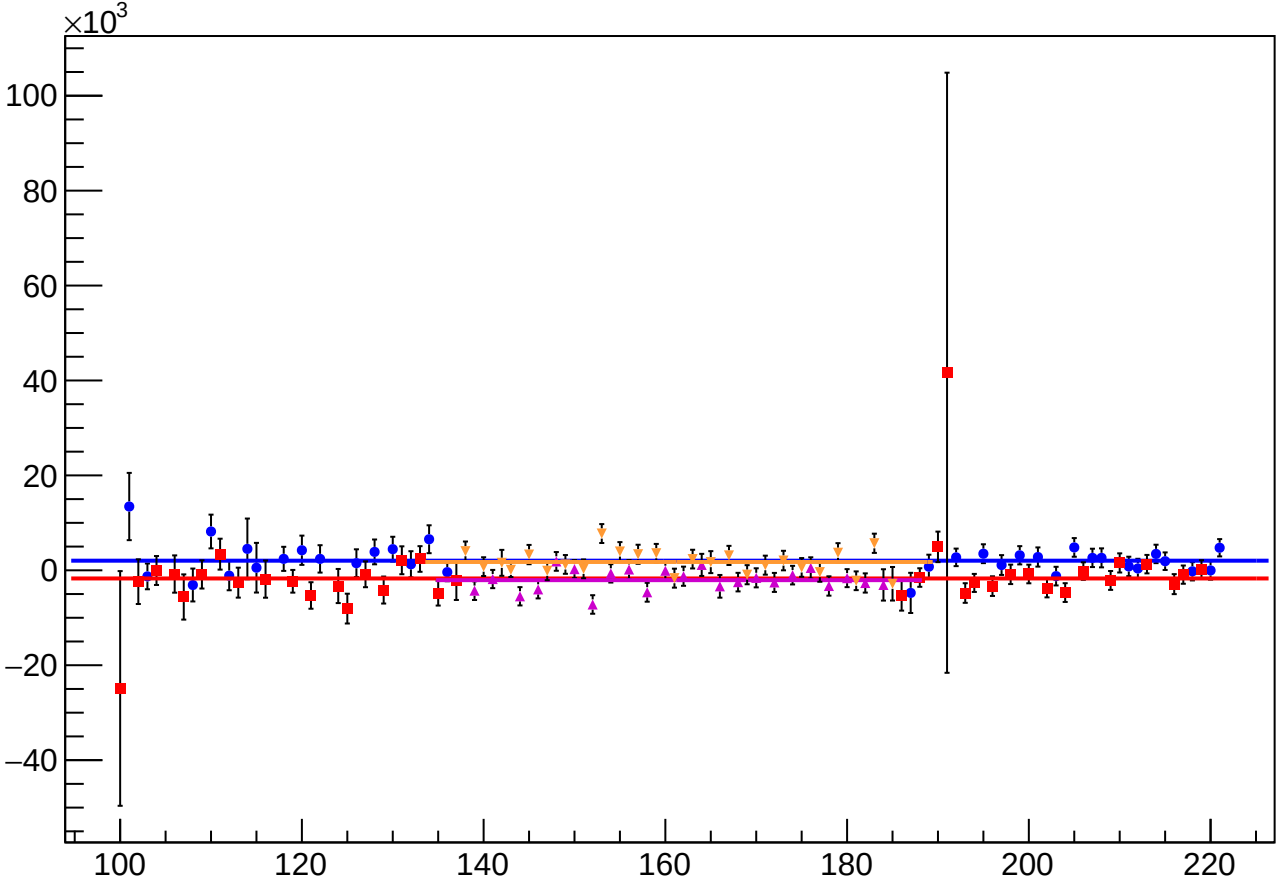
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 559.444+/-0.069 χ^2/NDF: 15974578.8/58

All: 545.929+/-0.049 χ^2/NDF: 32168696.0/11

- sign 532.755+/-0.068 χ^2/NDF: 16118640.5/59

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2026.848+/-401.447 χ^2/NDF: 31.9/33

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1717.595+/-412.578 χ^2/NDF: 37.0/36

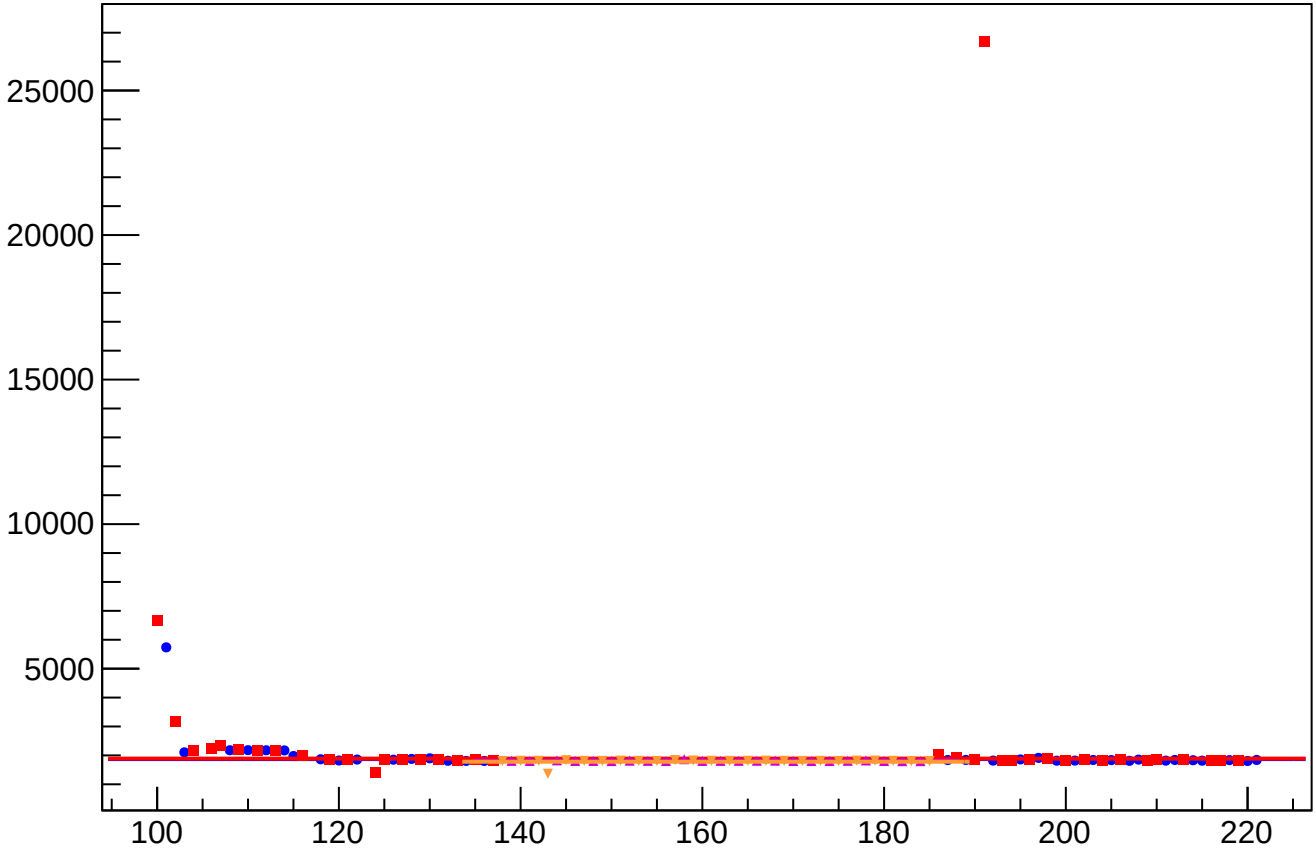
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1892.501+/-285.254 χ^2/NDF: 65.9/58

All: 68.040+/-205.256 χ^2/NDF: 215.1/118

- sign -1890.808+/-295.573 χ^2/NDF: 64.4/59

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1872.185+/-0.284 χ^2/NDF: 687210.5/33

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.698+/-0.292 χ^2/NDF: 705750.6/36

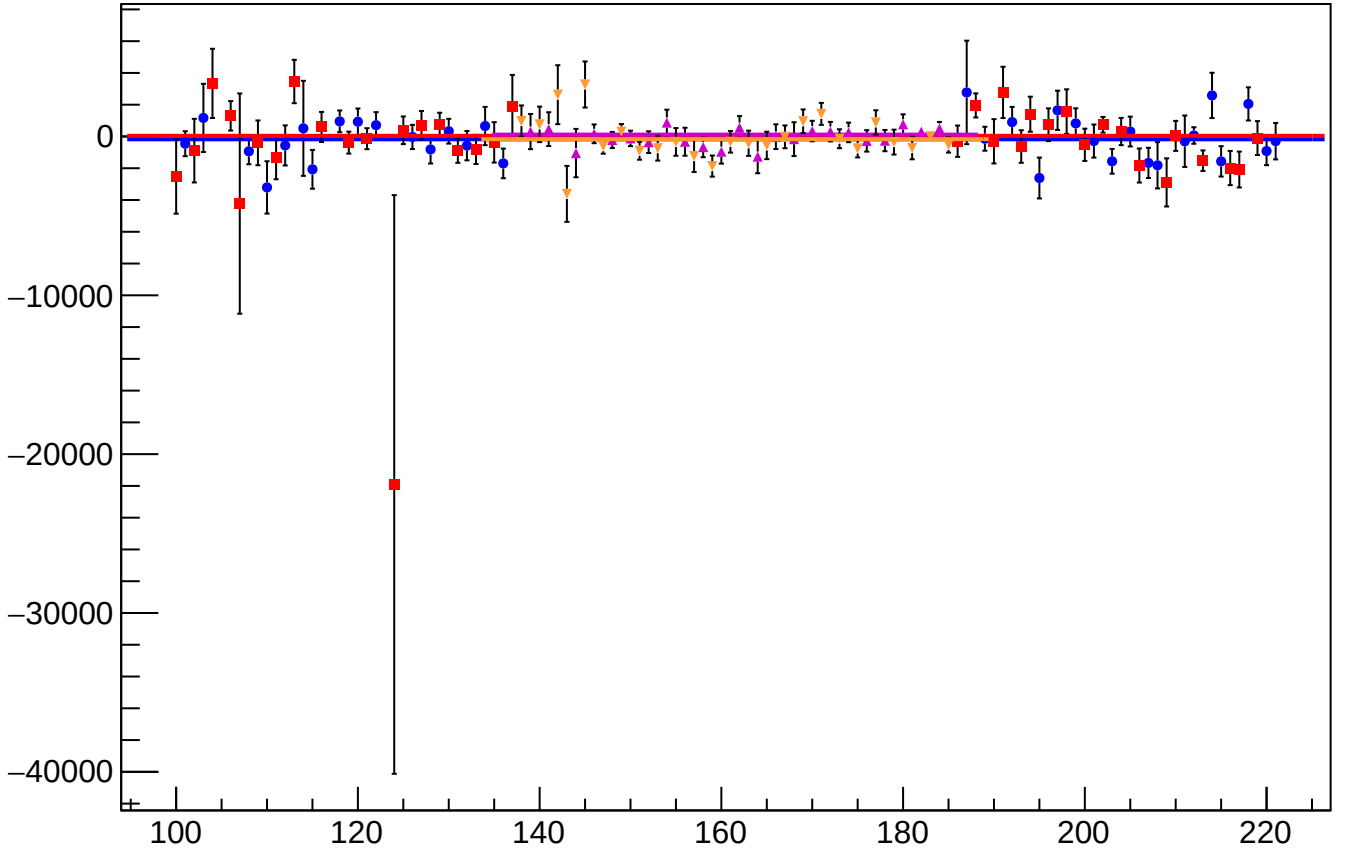
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.997+/-0.202 χ^2/NDF: 903332.2/58

All: 1839.072+/-0.145 χ^2/NDF: 1649307.8/11

- sign 1852.036+/-0.209 χ^2/NDF: 738543.9/59

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -179.284+/-164.356 χ^2/NDF: 44.7/33

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 42.274+/-163.031 χ^2/NDF: 55.5/36

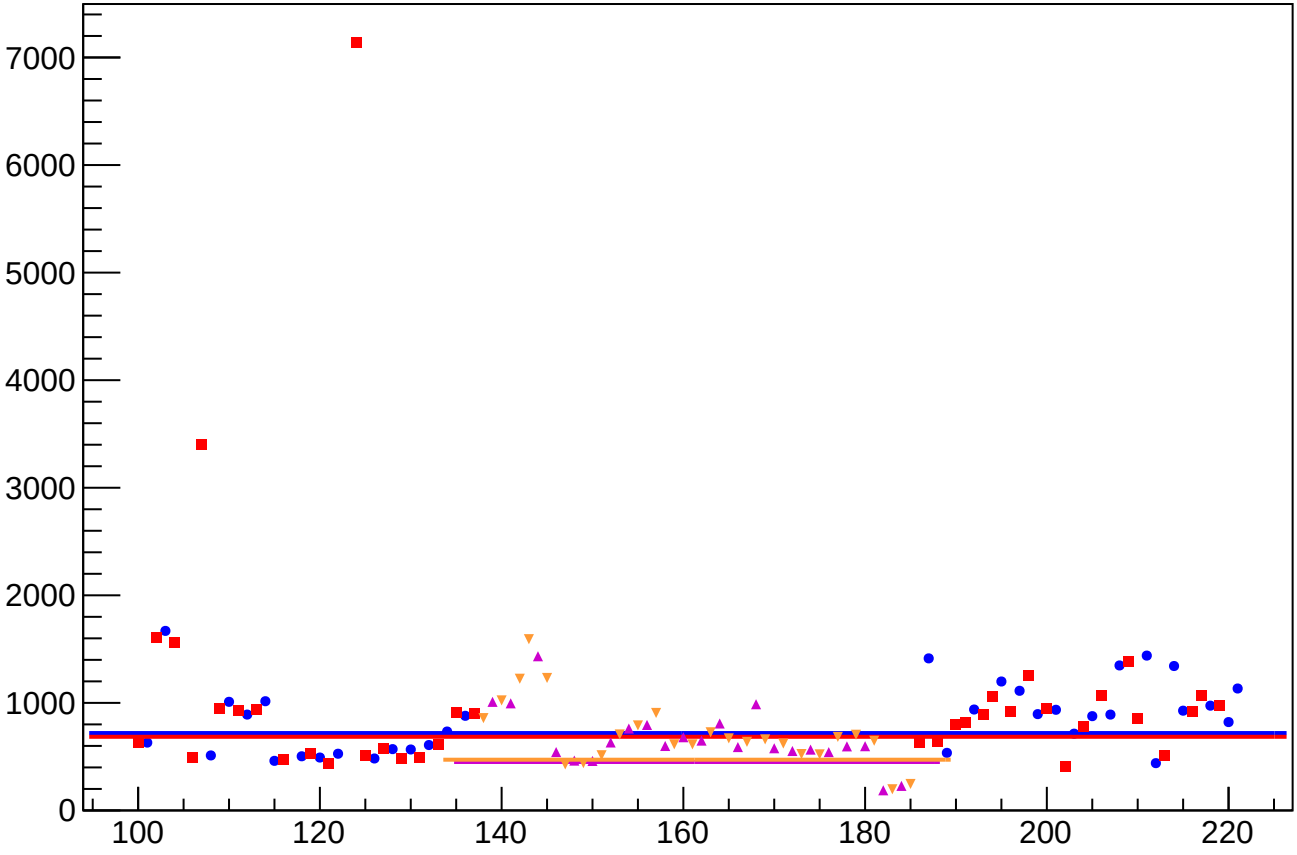
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -171.934+/-97.769 χ^2/NDF: 83.0/58

All: -38.811+/-68.689 χ^2/NDF: 154.6/118

- sign 90.943+/-96.524 χ^2/NDF: 67.9/59

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 719.524+/-0.116 χ^2/NDF: 4925599.5/33

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509224.4/36

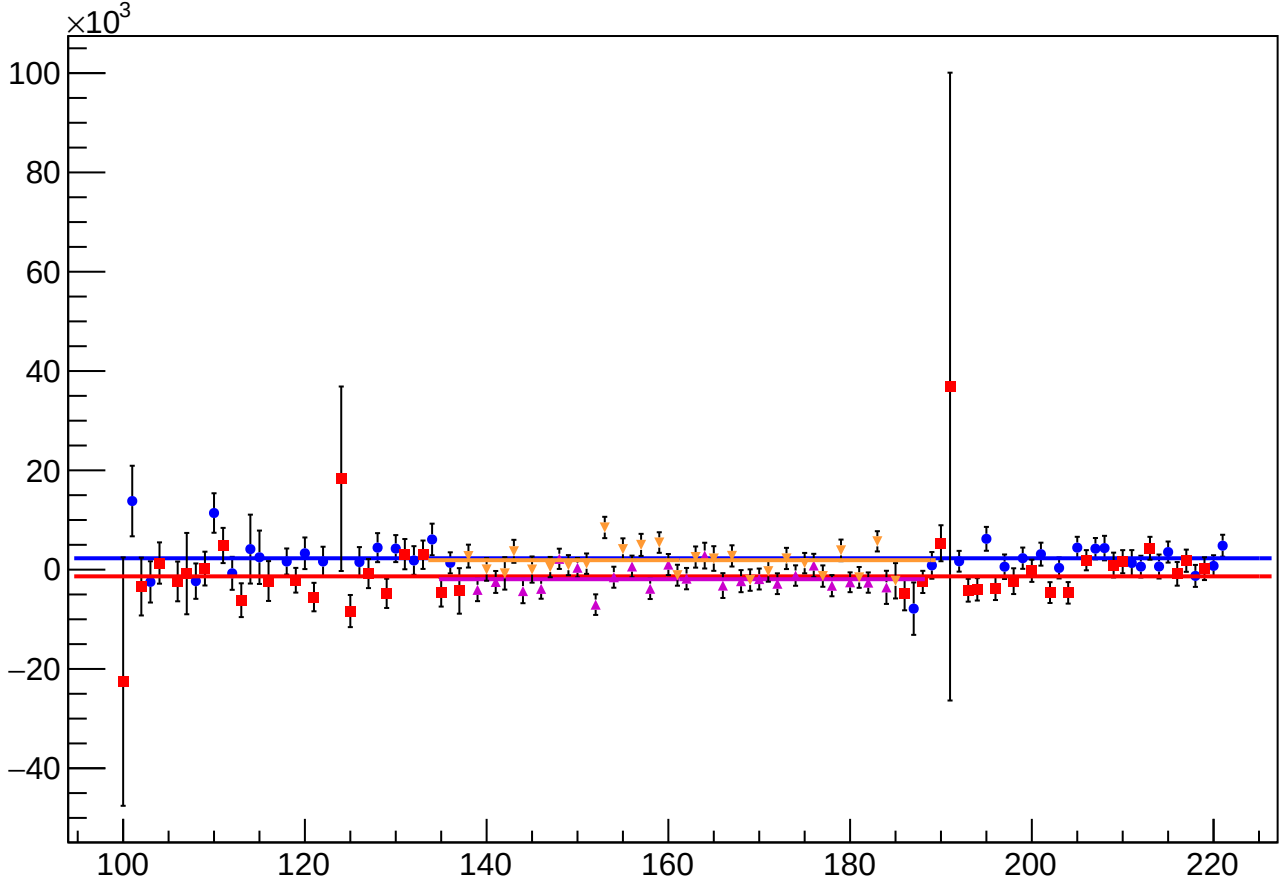
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 559.445+/-0.069 χ^2/NDF: 15974592.2/58

All: 545.929+/-0.049 χ^2/NDF: 32168690.4/11

- sign 532.756+/-0.068 χ^2/NDF: 16118623.3/59

asym_at1_avg_mean vs Slug



Right In: 2290.654+/-453.501 χ^2/NDF: 31.3/33

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1351.978+/-468.610 χ^2/NDF: 49.8/36

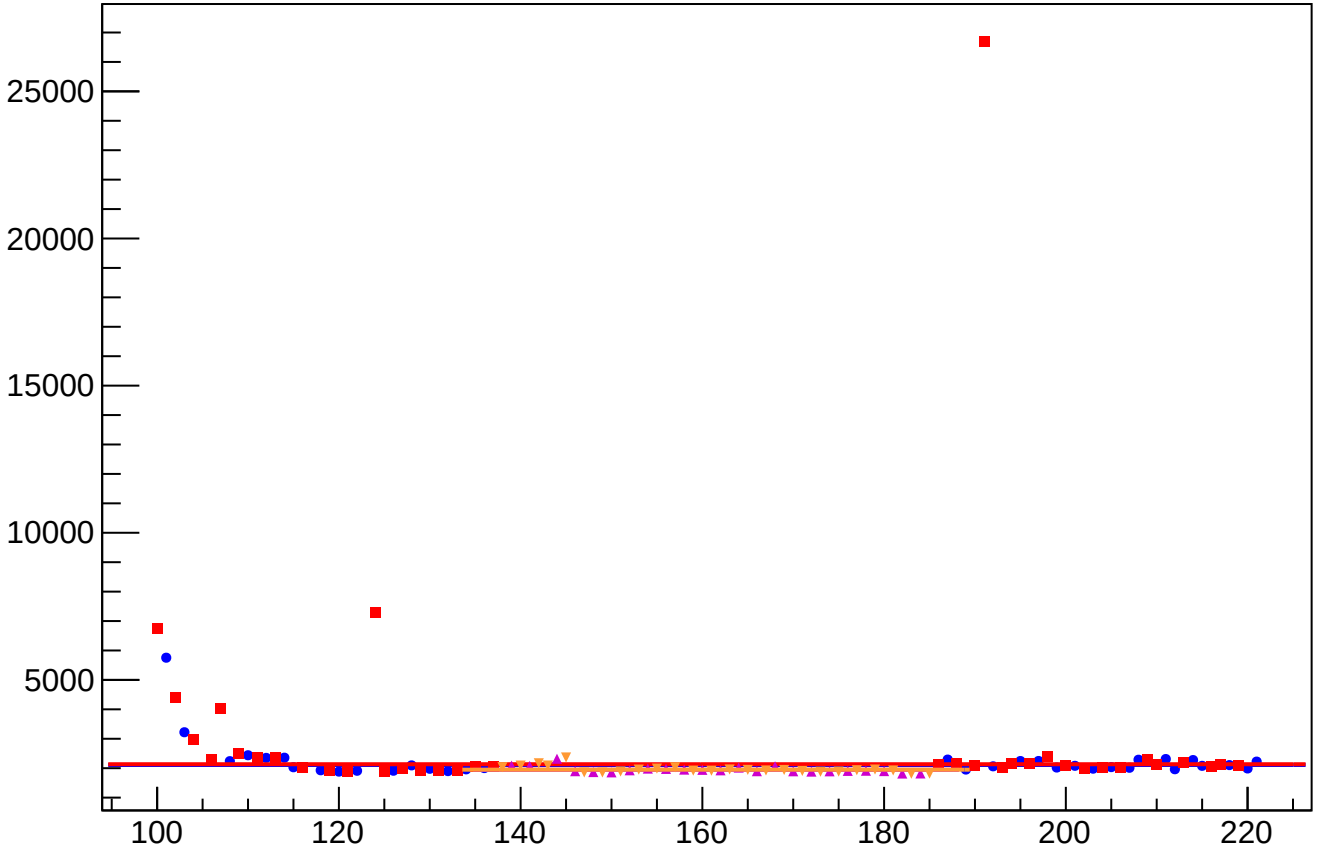
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2094.748+/-317.087 χ^2/NDF: 67.9/58

All: 277.588+/-227.434 χ^2/NDF: 210.9/118

- sign -1647.815+/-326.394 χ^2/NDF: 75.3/59

asym_at1_avg_rms vs Slug



Right In: 2108.628+/-0.321 χ^2/NDF: 852288.8/33

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

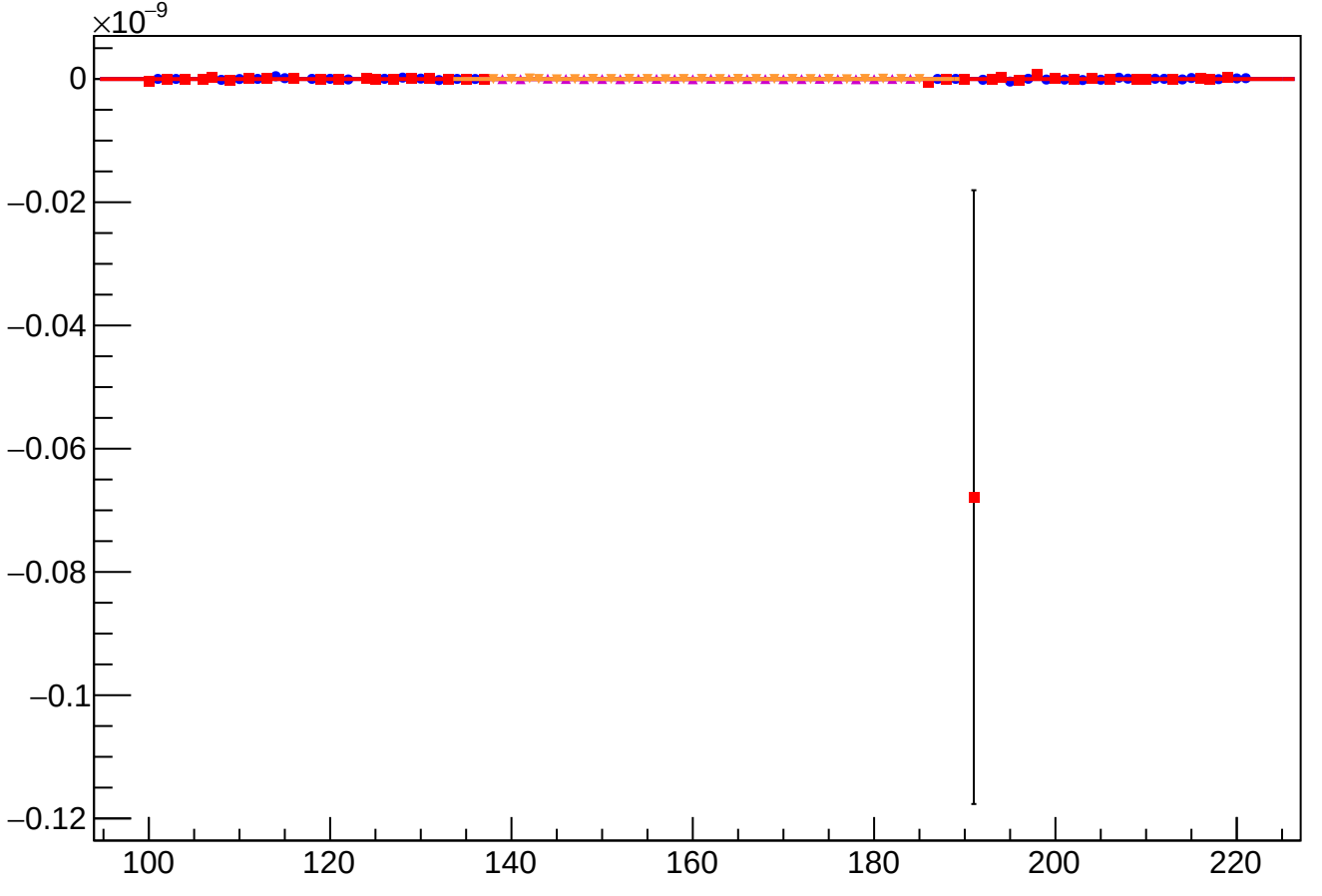
Right Out: 2134.532+/-0.331 χ^2/NDF: 1190139.0/36

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2027.039+/-0.224 χ^2/NDF: 1087463.8/58

All: 2031.884+/-0.161 χ^2/NDF: 2542731.3/11

- sign 2037.017+/-0.231 χ^2/NDF: 1454306.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 37.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

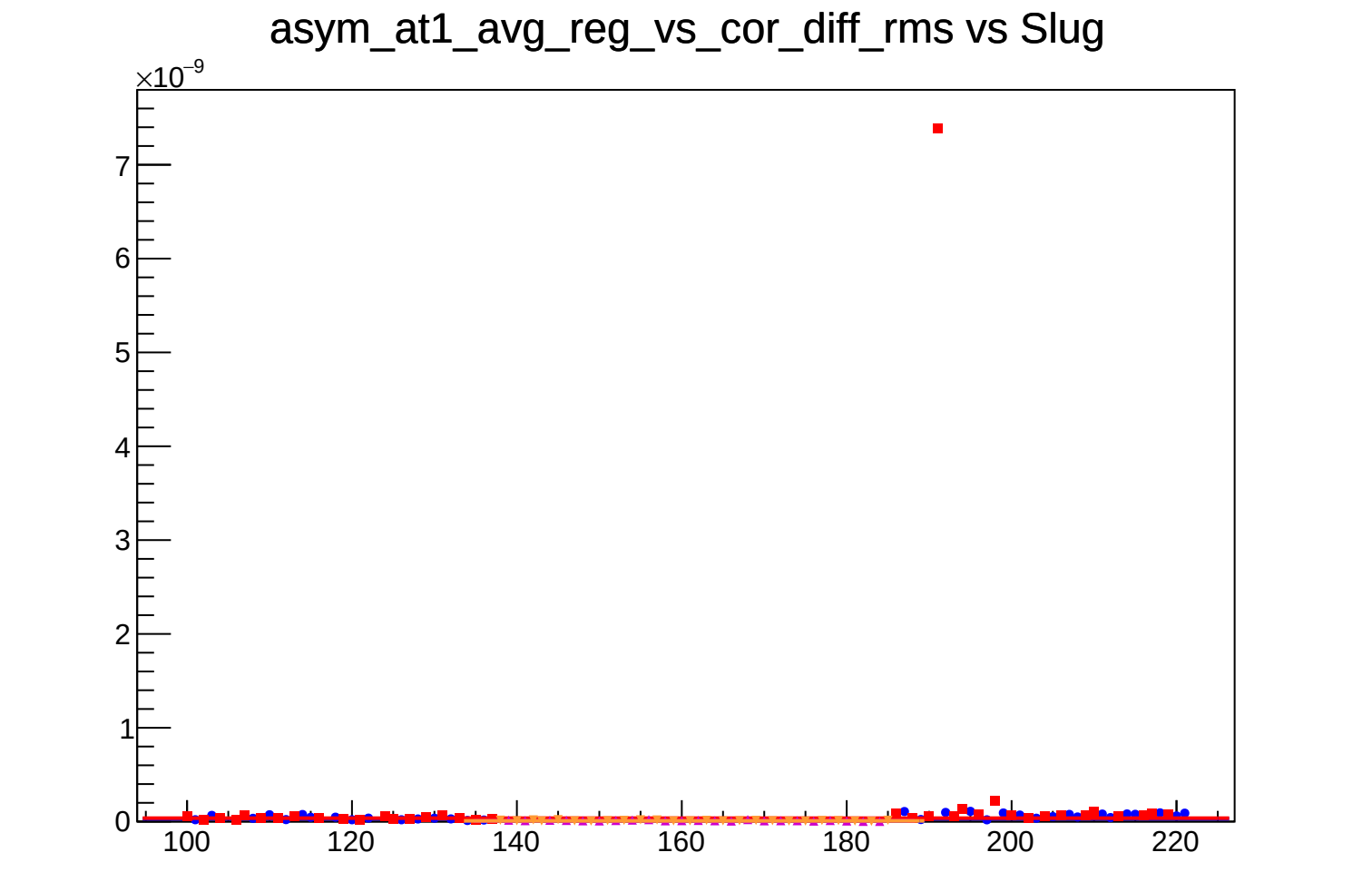
Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.3/58

All: 0.000+/-0.000 χ^2/NDF: 132.1/118

- sign 0.000+/-0.000 χ^2/NDF: 65.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 5551375.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

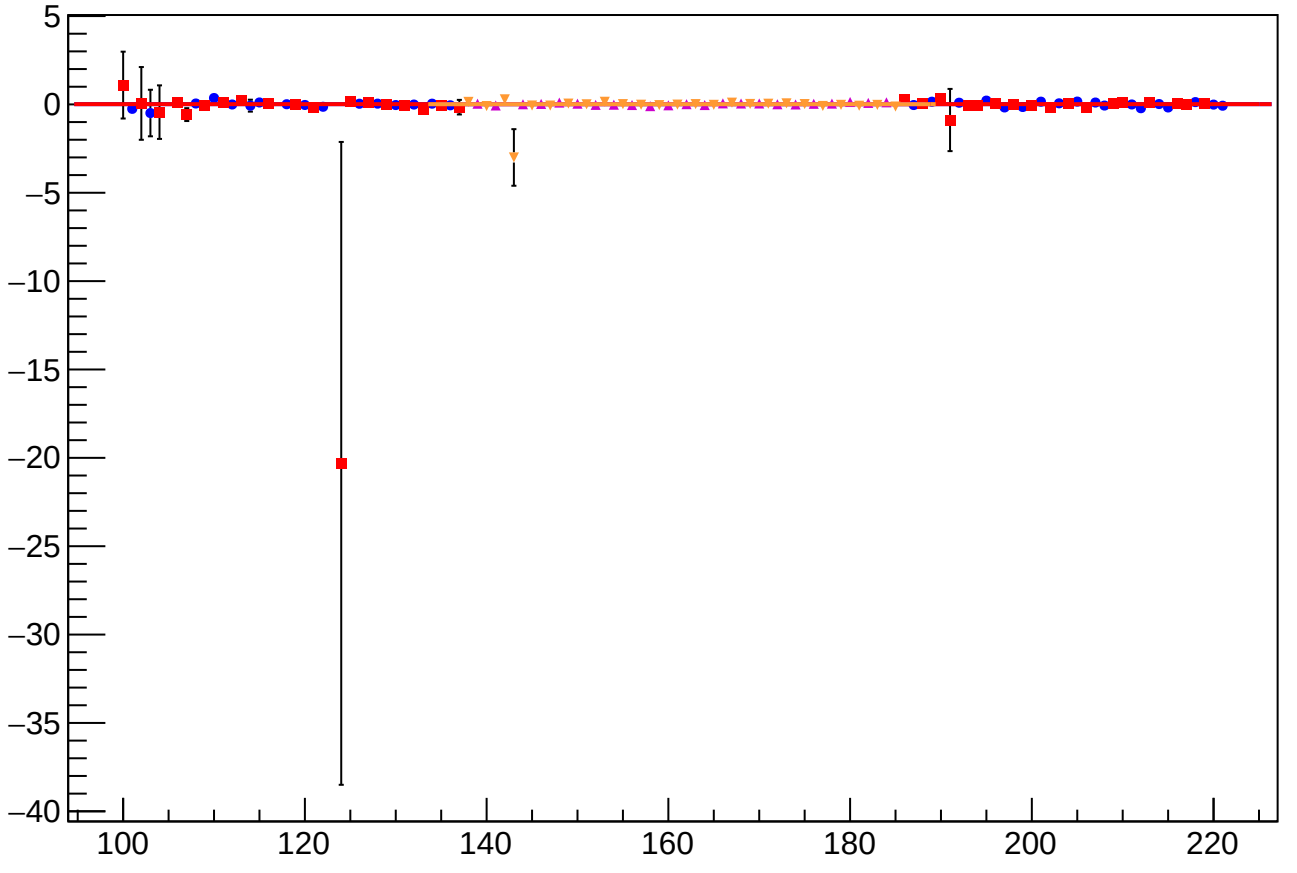
Right Out: 0.000+/-0.000 χ^2/NDF: 4326637.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13568500.1/58

All: 0.000+/-0.000 χ^2/NDF: 27394583.6/118

- sign 0.000+/-0.000 χ^2/NDF: 13825700.5/59



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

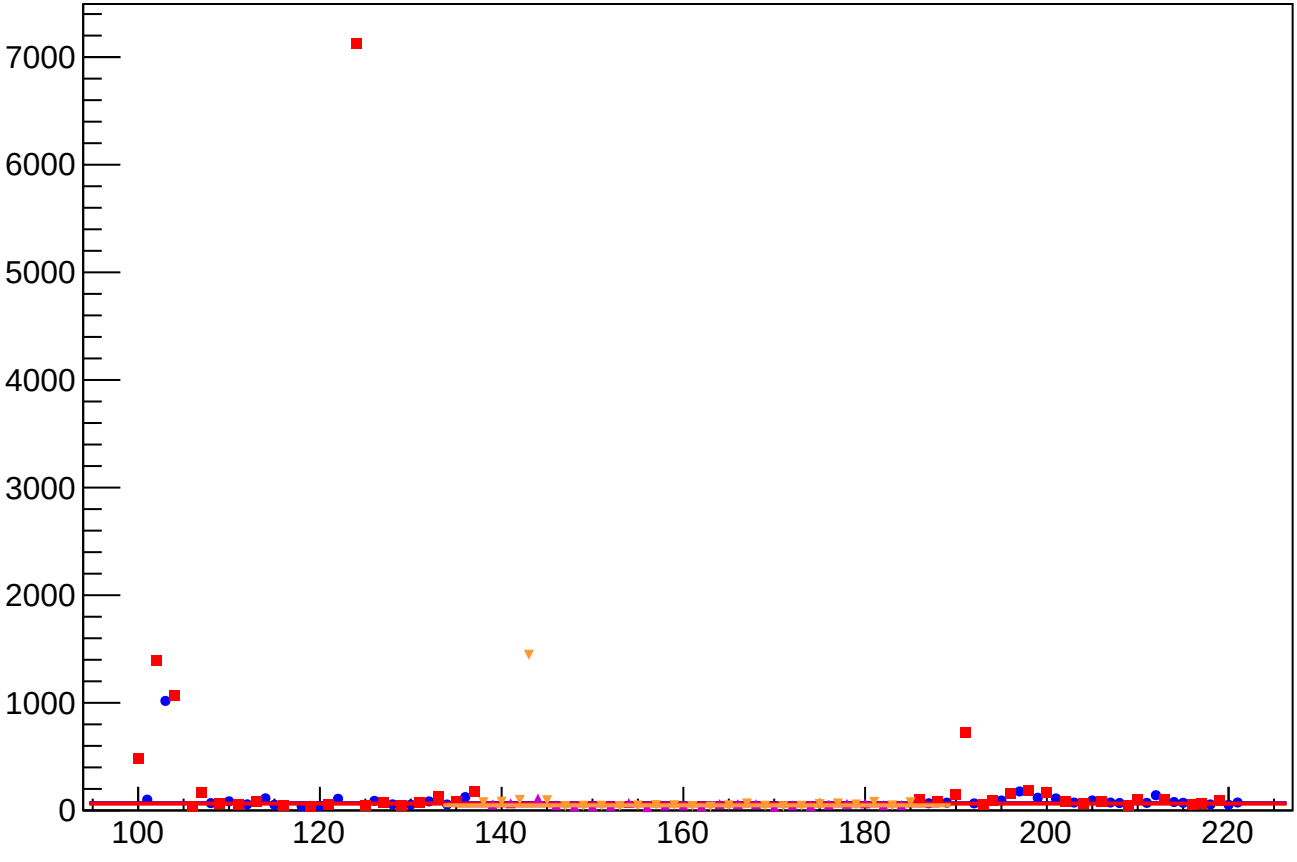
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.014+/-0.007 χ^2/NDF: 117.6/118

\- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448099.4/33

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

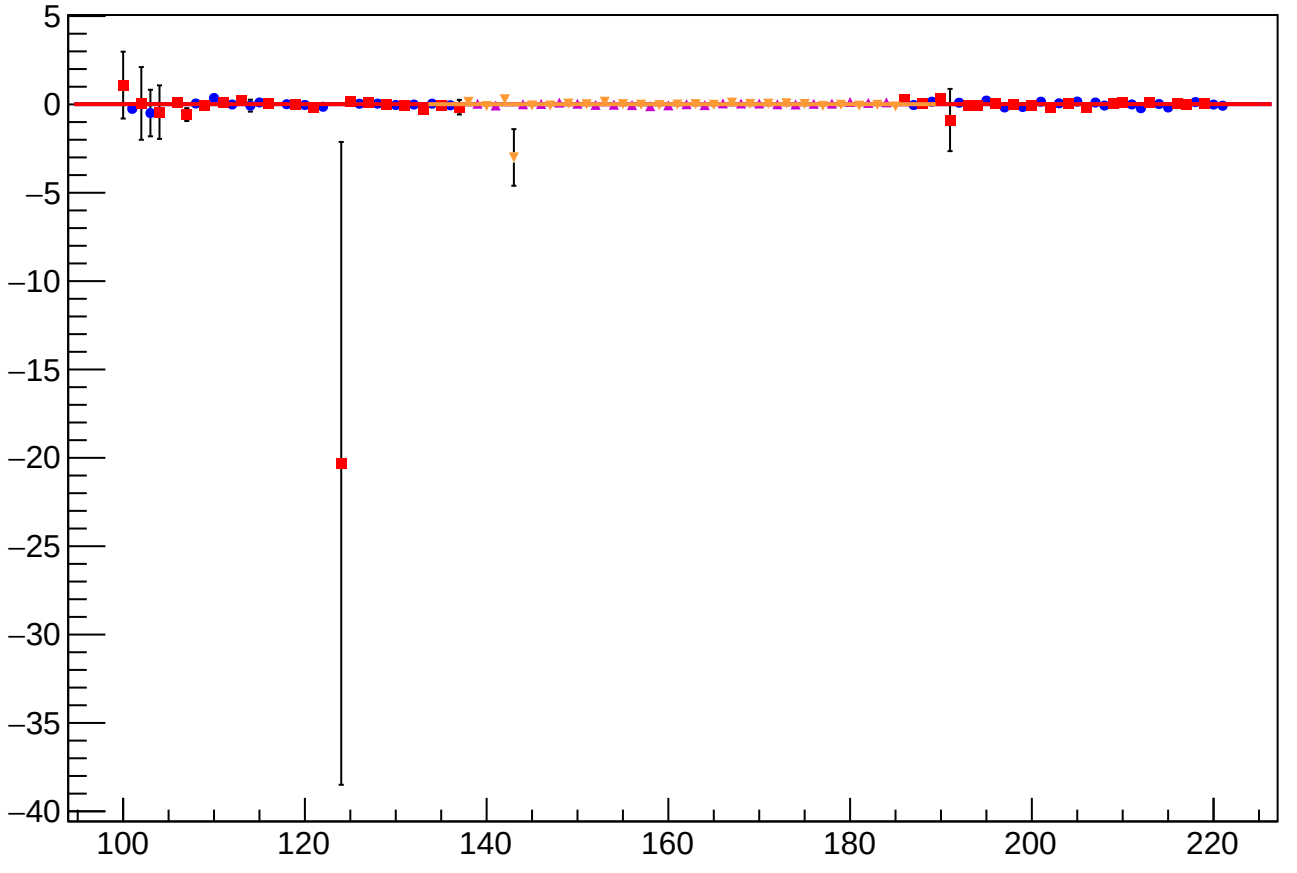
Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744465.8/58

All: 53.674+/-0.005 χ^2/NDF: 19981034.8/118

- sign 52.500+/-0.007 χ^2/NDF: 10181496.0/59



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

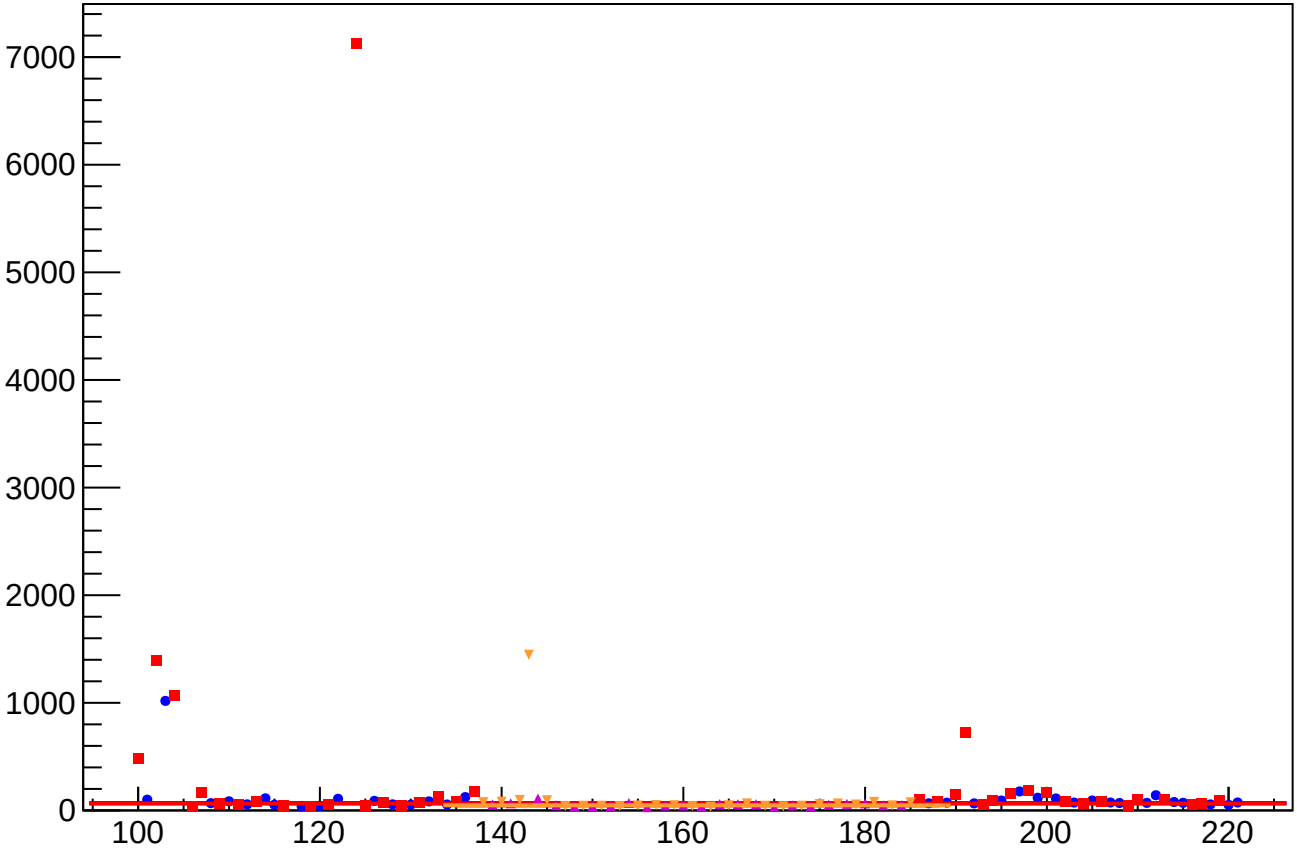
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.014+/-0.007 χ^2/NDF: 117.6/118

- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448099.4/33

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

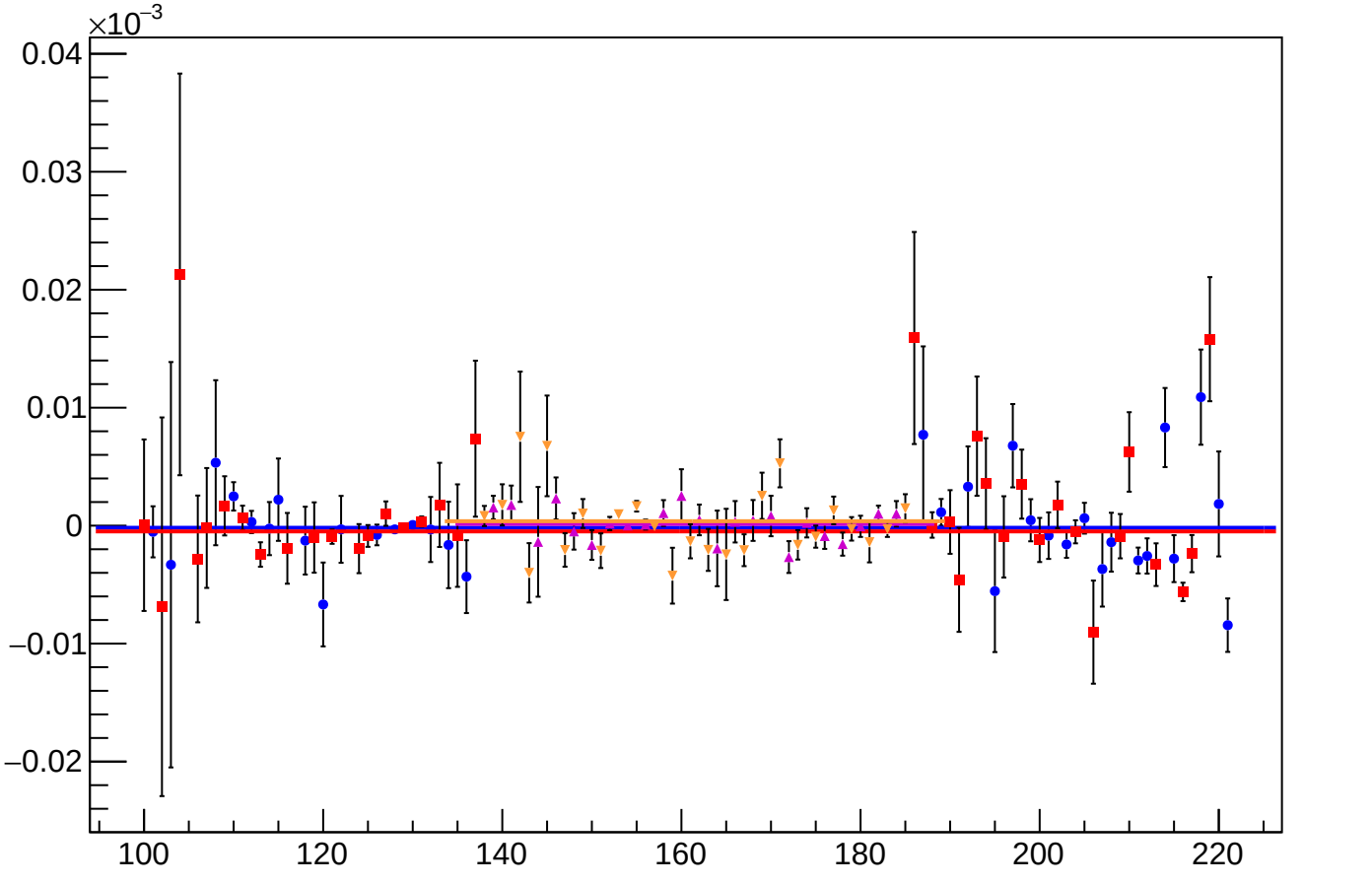
Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744465.8/58

All: 53.674+/-0.005 χ^2/NDF: 19981034.8/118

- sign 52.500+/-0.007 χ^2/NDF: 10181496.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 63.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 93.7/36

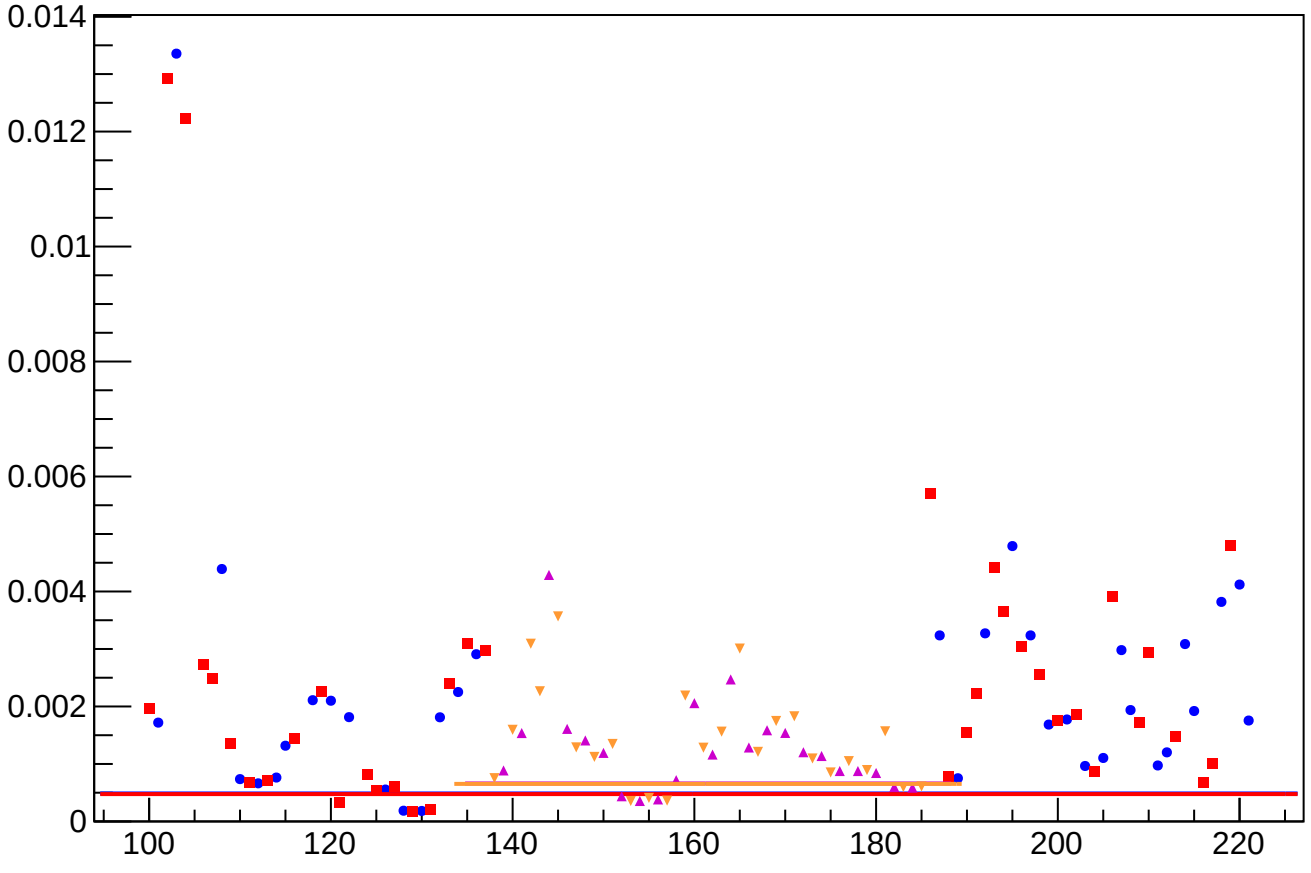
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 120.0/58

All: -0.000+/-0.000 χ^2/NDF: 242.1/118

- sign -0.000+/-0.000 χ^2/NDF: 119.6/59

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25648296.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23250000.3/36

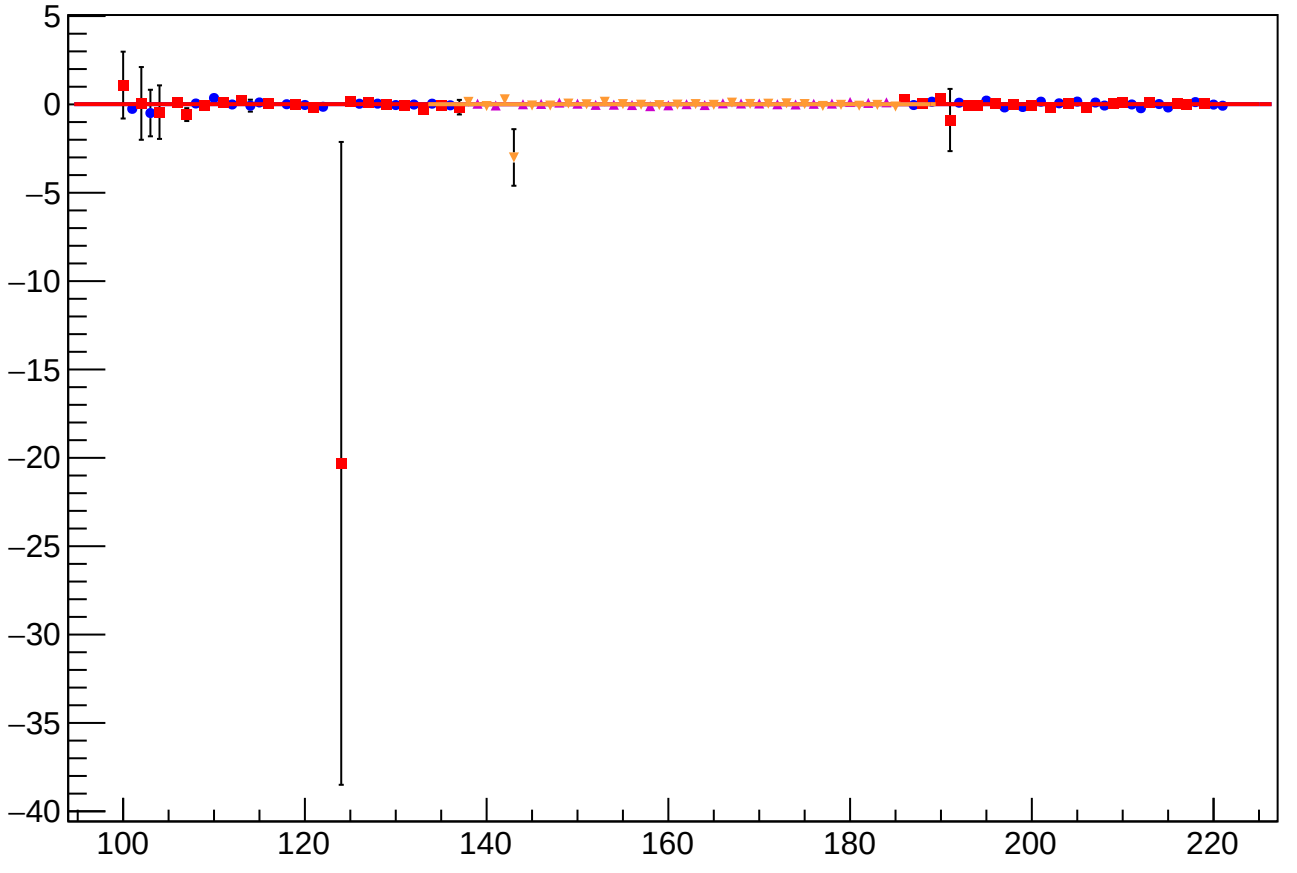
Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 38594699.1/58

All: 0.001+/-0.000 χ^2/NDF: 72580253.1/118

- sign 0.001+/-0.000 χ^2/NDF: 33983355.8/59

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

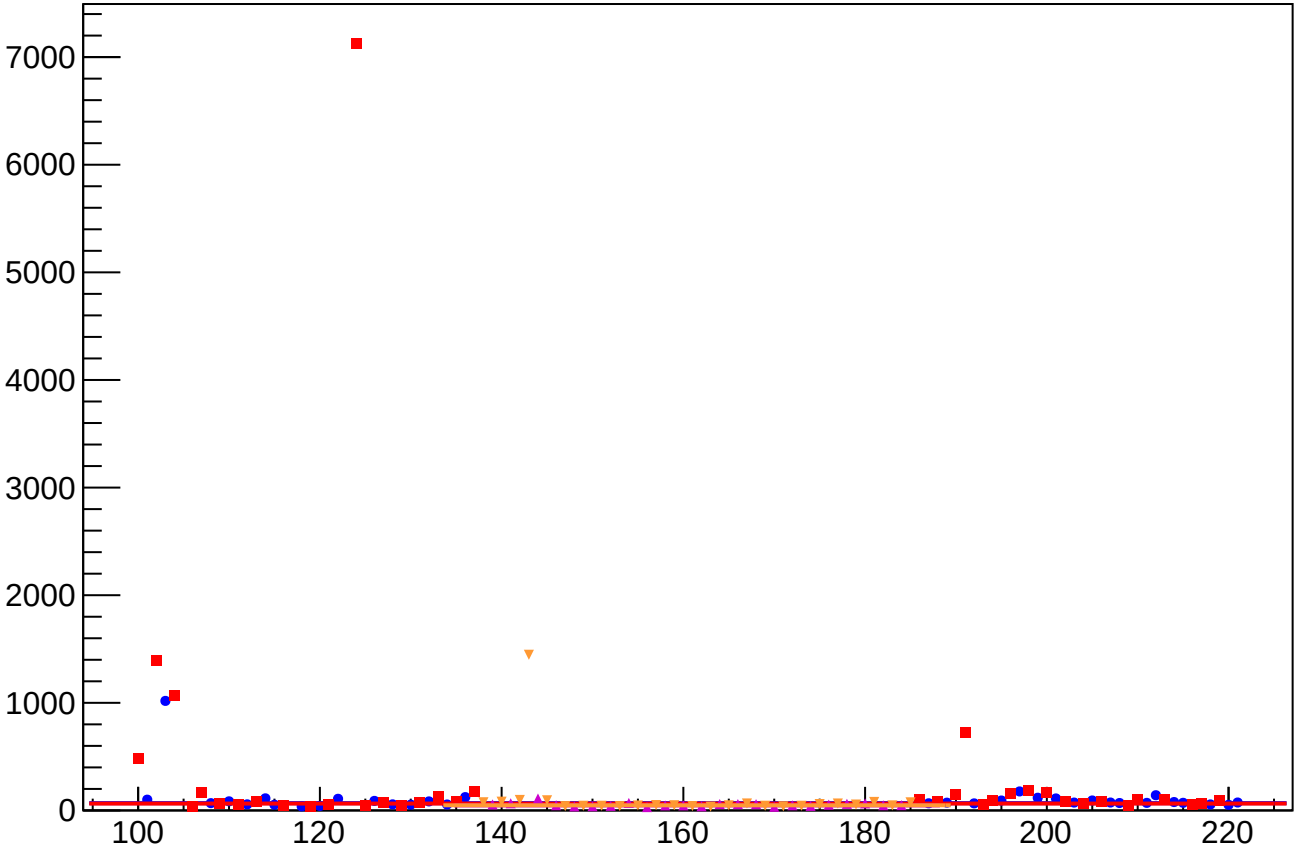
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.014+/-0.007 χ^2/NDF: 117.6/118

\- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448192.4/33

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

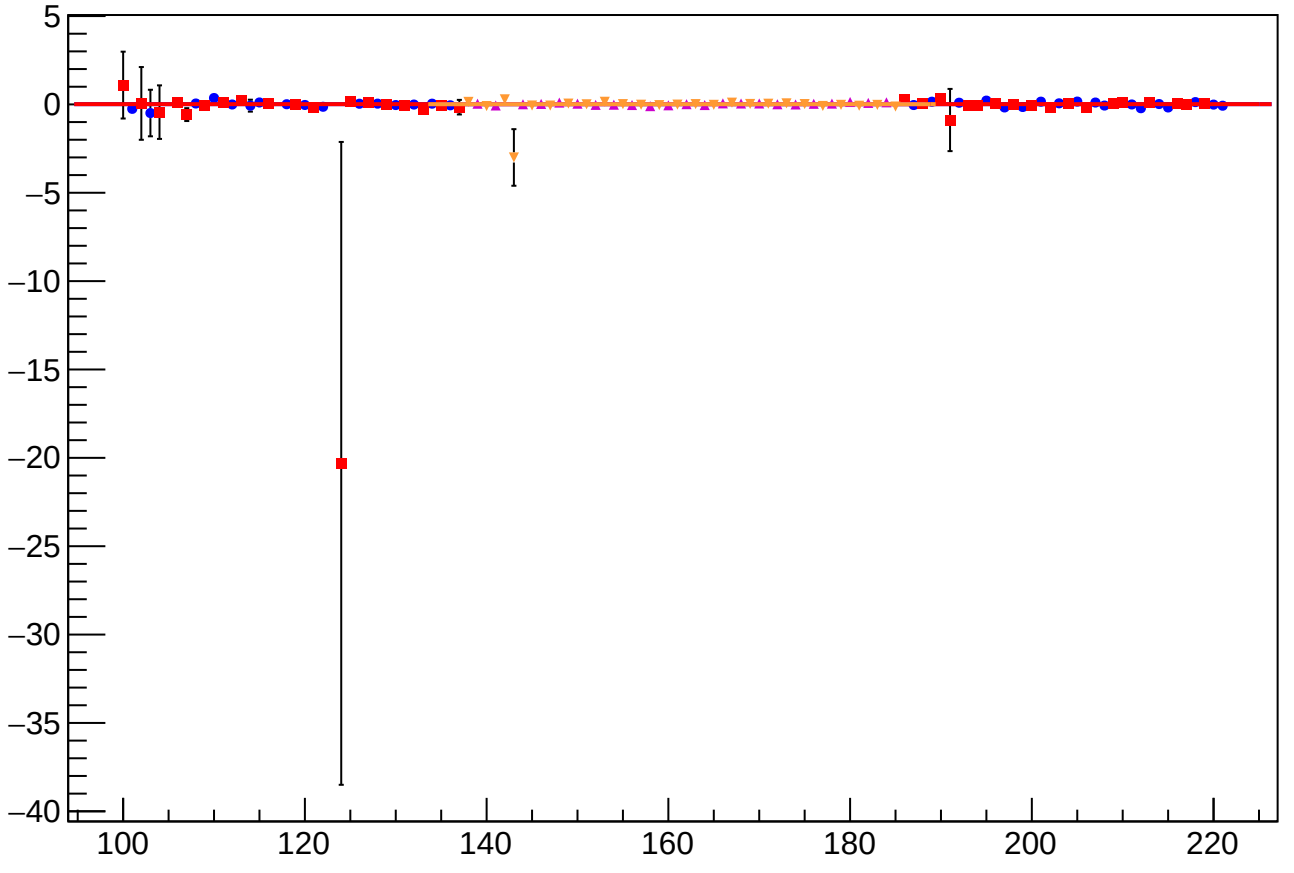
Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.855+/-0.007 χ^2/NDF: 9744486.7/58

All: 53.674+/-0.005 χ^2/NDF: 19981160.3/118

- sign 52.500+/-0.007 χ^2/NDF: 10181583.3/59



Right In: 0.014+/-0.017 χ^2/NDF: 35.5/33

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

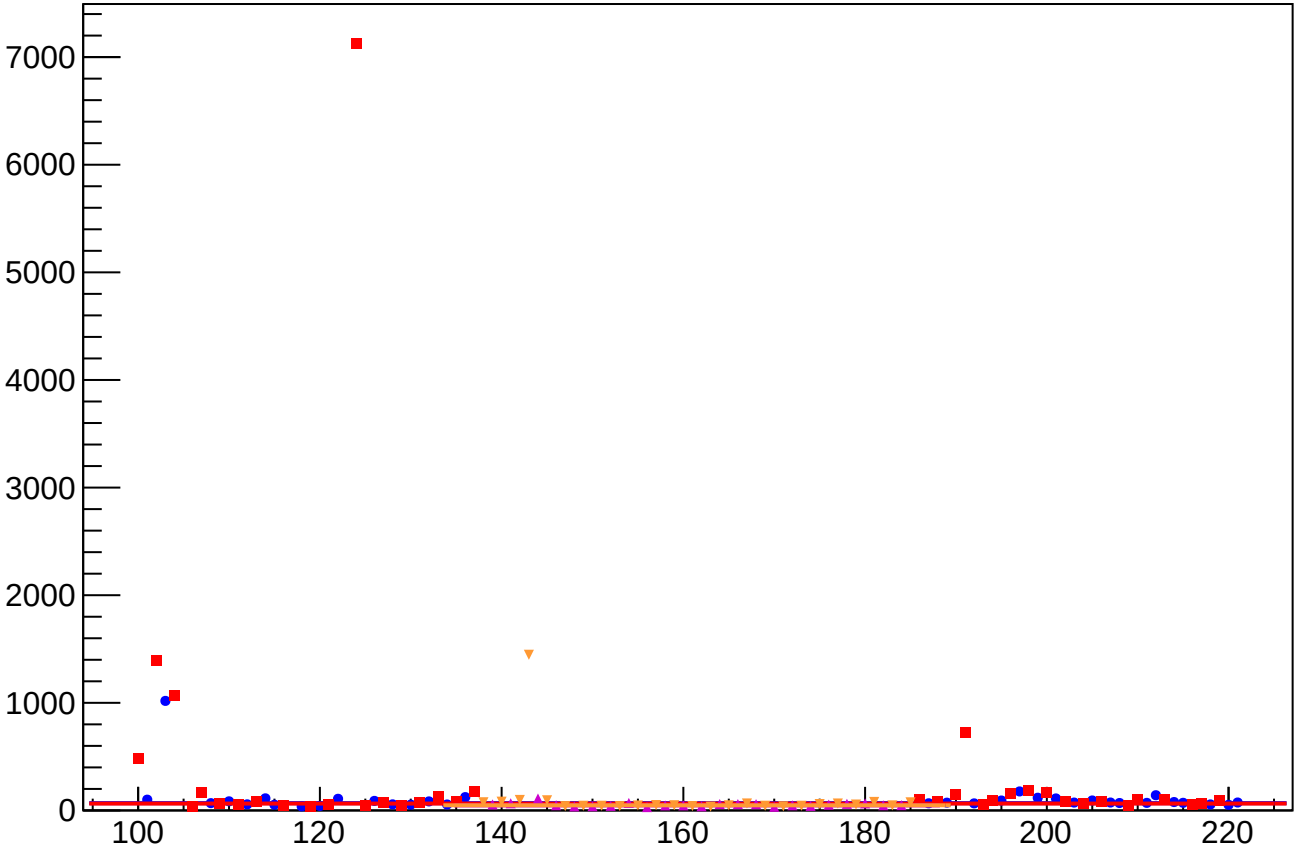
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 65.1/58

All: 0.014+/-0.007 χ^2/NDF: 117.6/118

- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.933+/-0.012 χ^2/NDF: 4448192.4/33

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

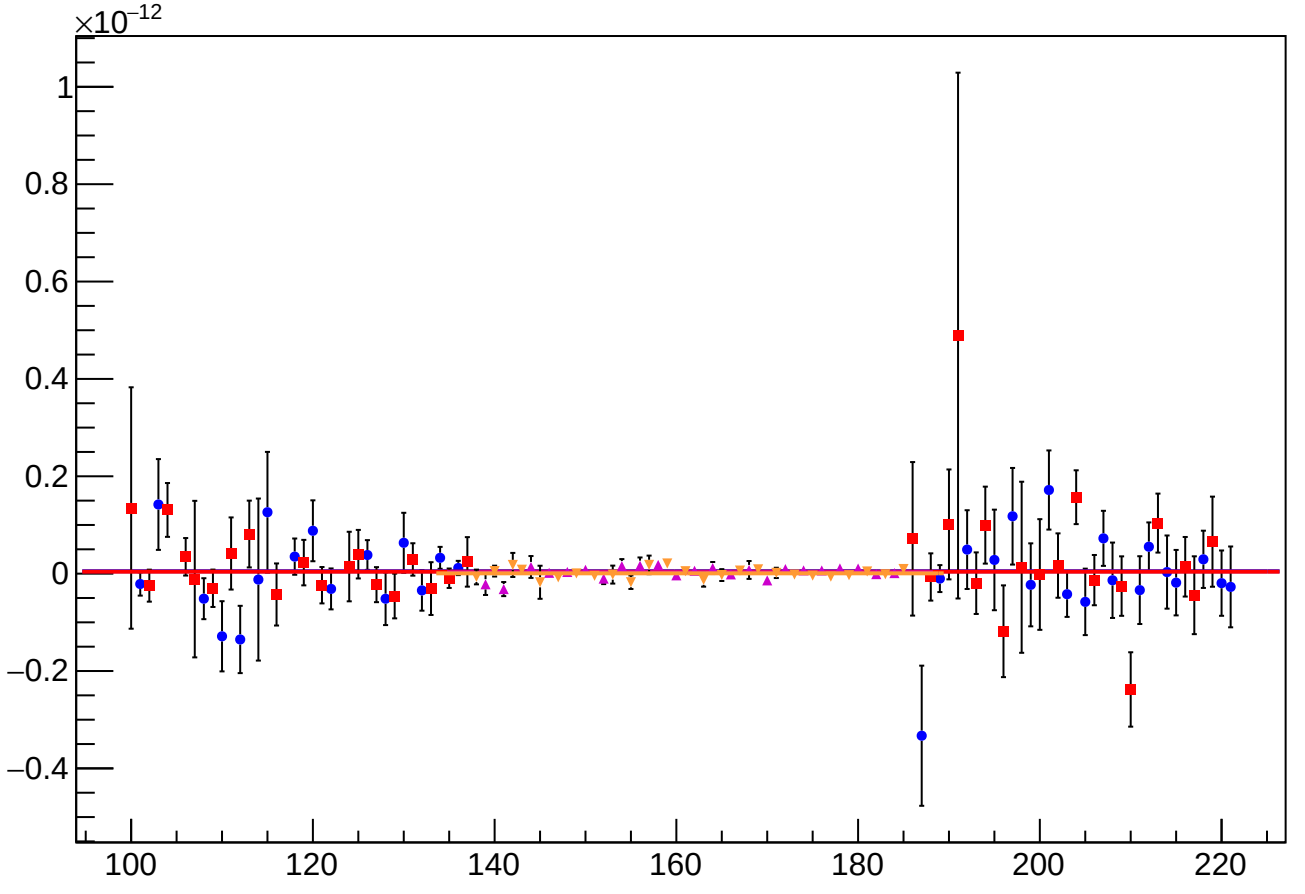
Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

\+ sign 54.855+/-0.007 χ^2/NDF: 9744486.7/58

All: 53.674+/-0.005 χ^2/NDF: 19981160.3/118

\- sign 52.500+/-0.007 χ^2/NDF: 10181583.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

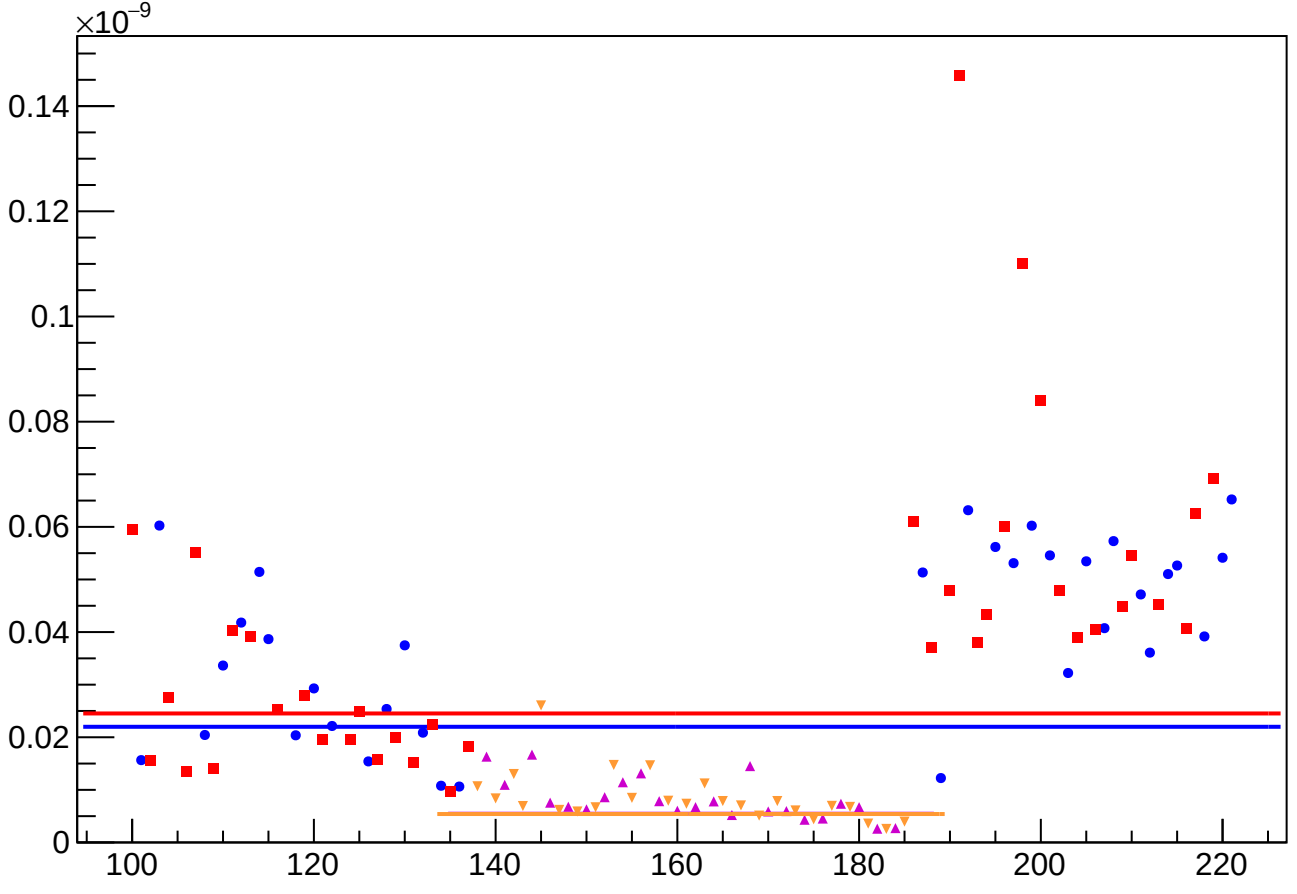
Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/36

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/58

All: 0.000+/-0.000 χ^2/NDF: 118.5/118

- sign 0.000+/-0.000 χ^2/NDF: 62.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 8210063.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6587109.4/36

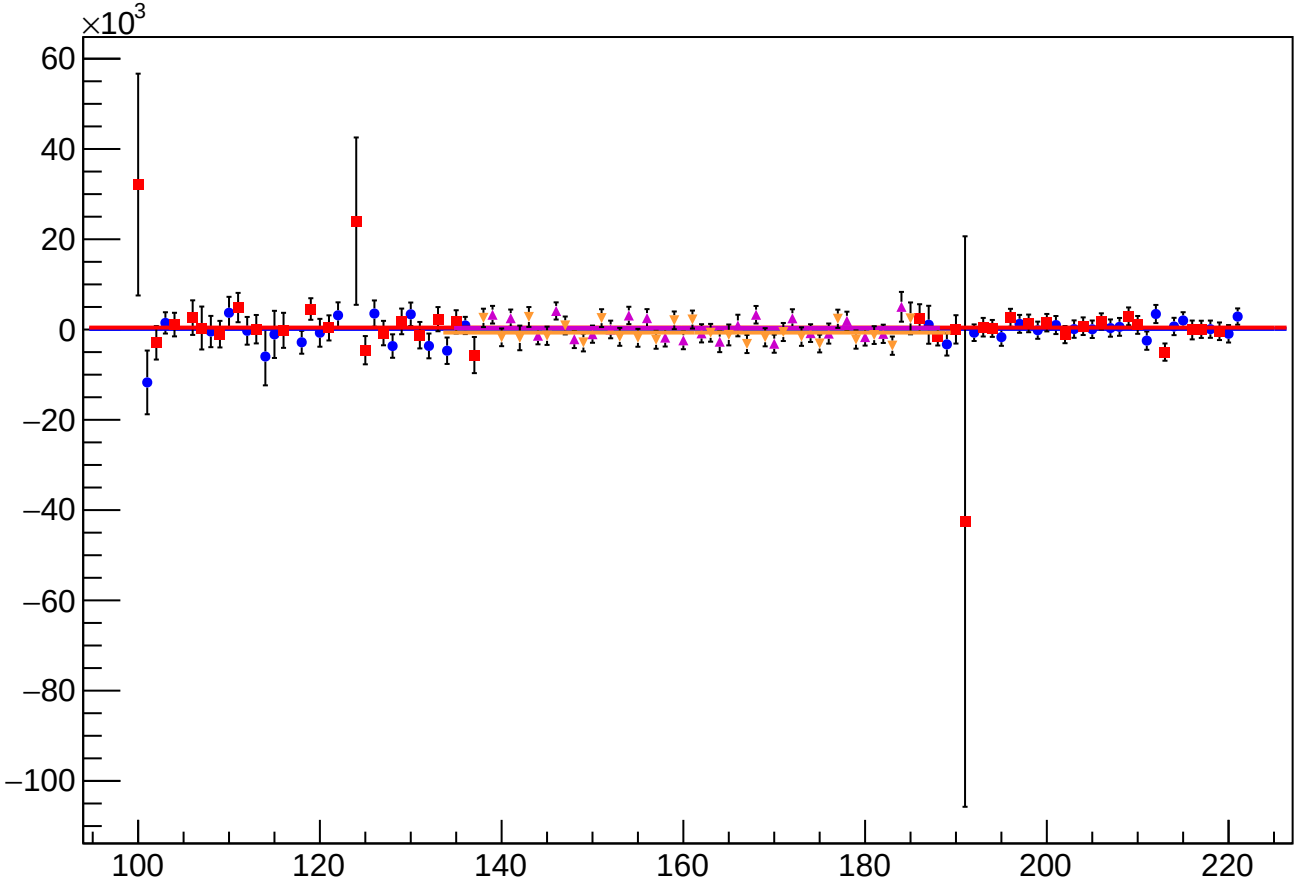
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 22846268.2/58

All: 0.000+/-0.000 χ^2/NDF: 43971850.8/118

- sign 0.000+/-0.000 χ^2/NDF: 21125506.3/59

reg_asym_at1_dd_mean vs Slug



Right In: 140.203+/-395.686 χ^2/NDF: 29.2/33

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 431.447+/-407.380 χ^2/NDF: 31.0/36

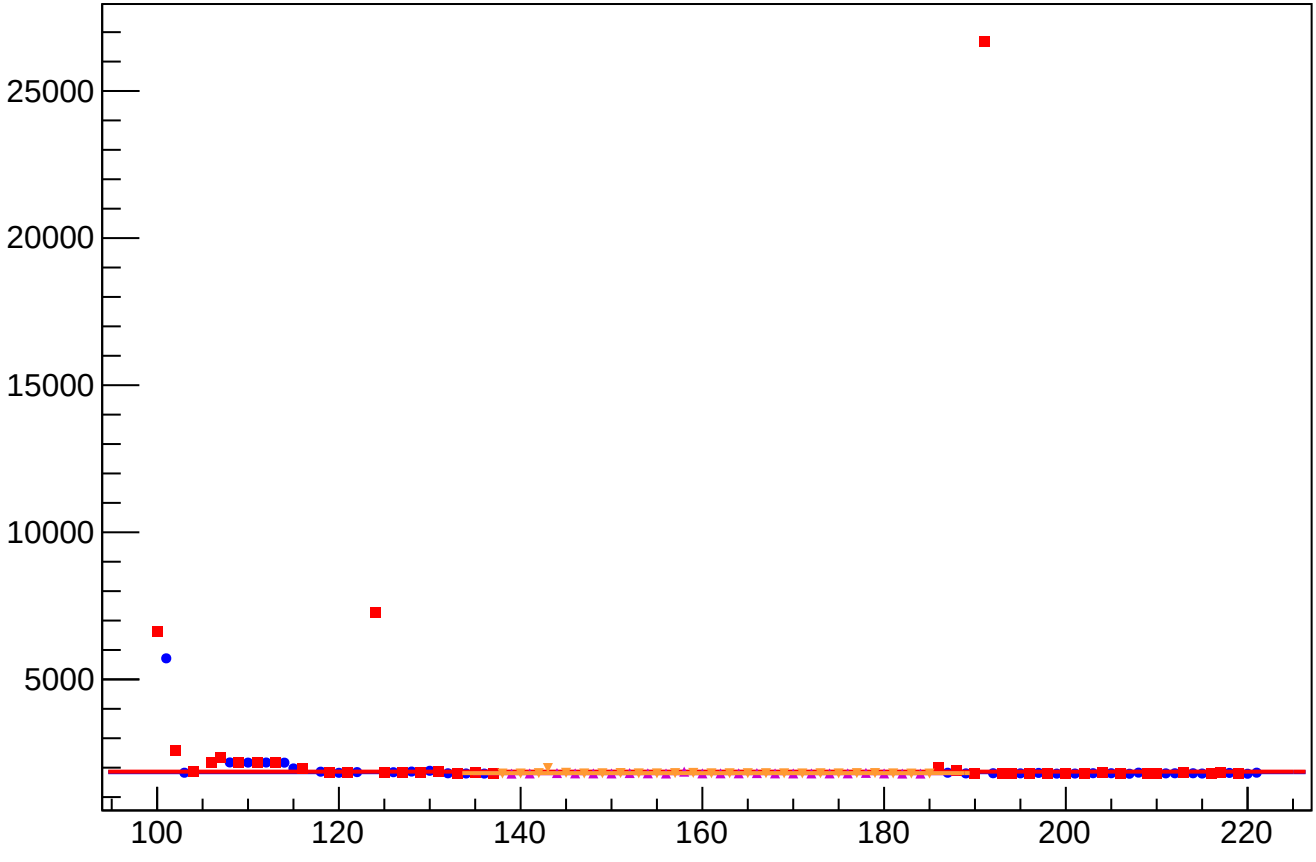
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -248.358+/-285.454 χ^2/NDF: 56.0/58

All: 61.565+/-204.575 χ^2/NDF: 119.5/118

- sign 388.830+/-293.332 χ^2/NDF: 61.1/59

reg_asym_at1_dd_rms vs Slug



Right In: 1845.670+/-0.280 χ^2/NDF: 681930.2/33

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1864.918+/-0.288 χ^2/NDF: 761350.5/36

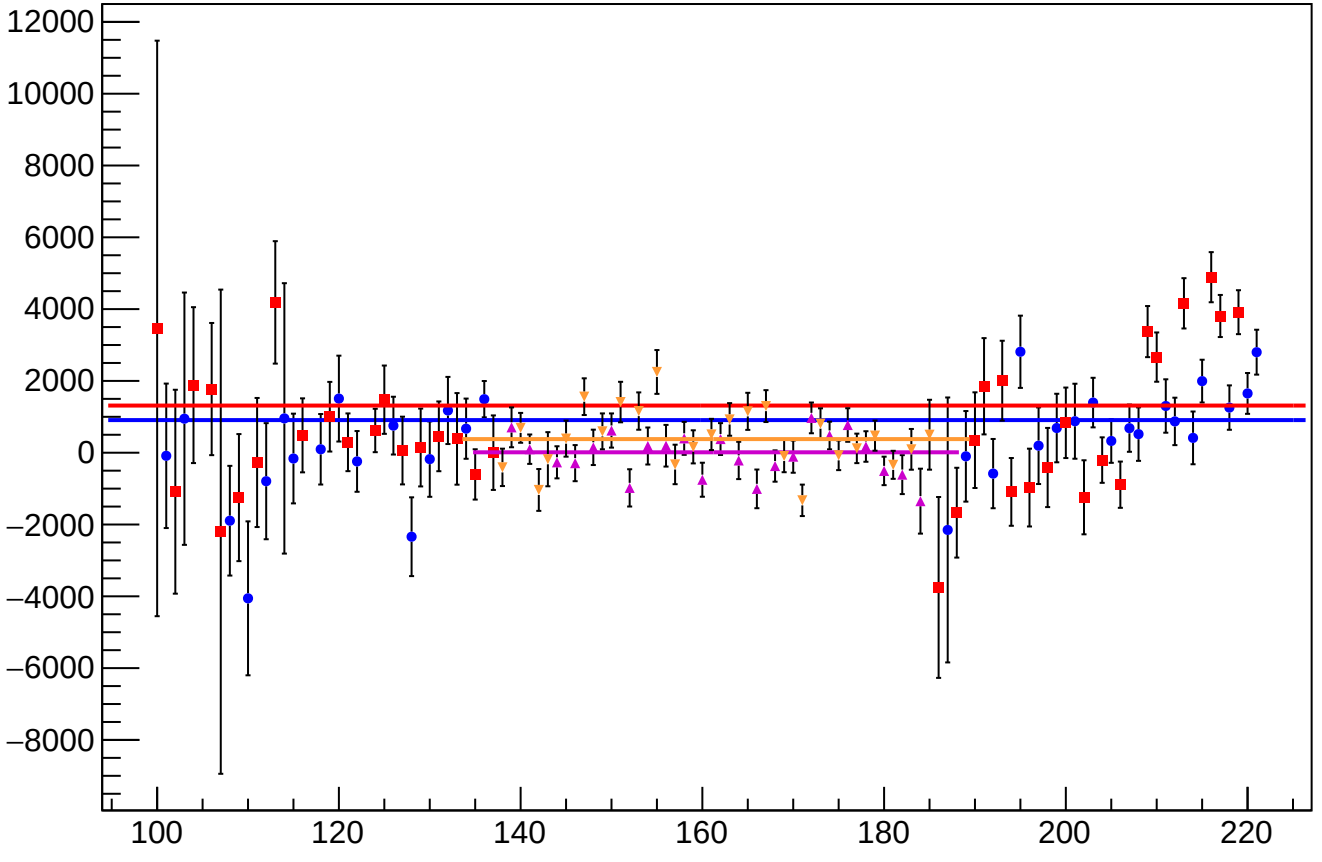
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.691+/-0.202 χ^2/NDF: 701009.2/58

All: 1834.583+/-0.145 χ^2/NDF: 1482303.2/11

- sign 1838.693+/-0.207 χ^2/NDF: 780529.5/59

asym_at1_dd_reg_correction_mean vs Slug



Right In: 908.686+/-146.565 χ^2/NDF: 49.8/33

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 1313.543+/-154.657 χ^2/NDF: 163.1/36

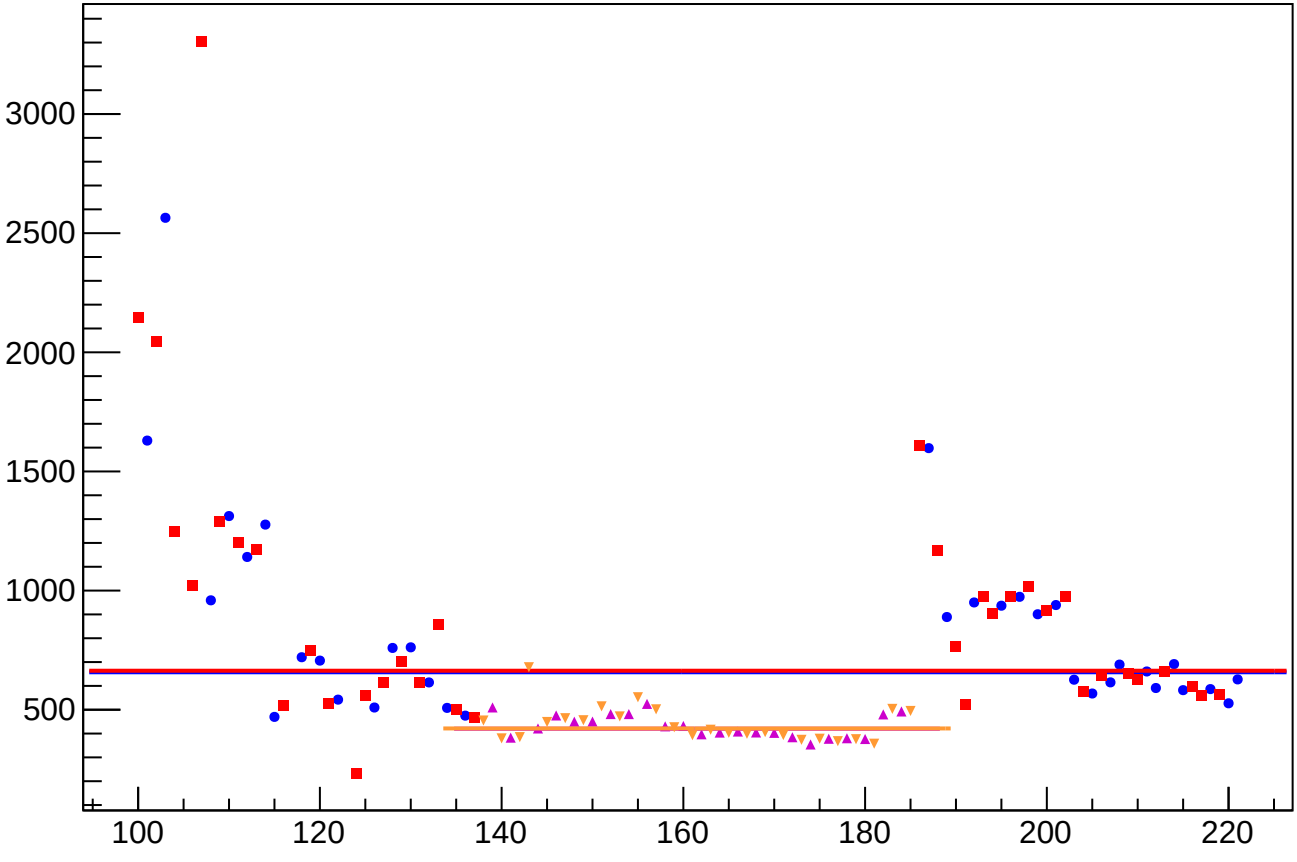
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 540.615+/-80.897 χ^2/NDF: 121.2/58

All: 467.494+/-58.056 χ^2/NDF: 367.4/118

- sign 389.843+/-83.366 χ^2/NDF: 244.5/59

asym_at1_dd_reg_correction_rms vs Slug



Right In: 657.207+/-0.104 χ^2/NDF: 3318486.4/33

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 663.672+/-0.109 χ^2/NDF: 4862617.2/36

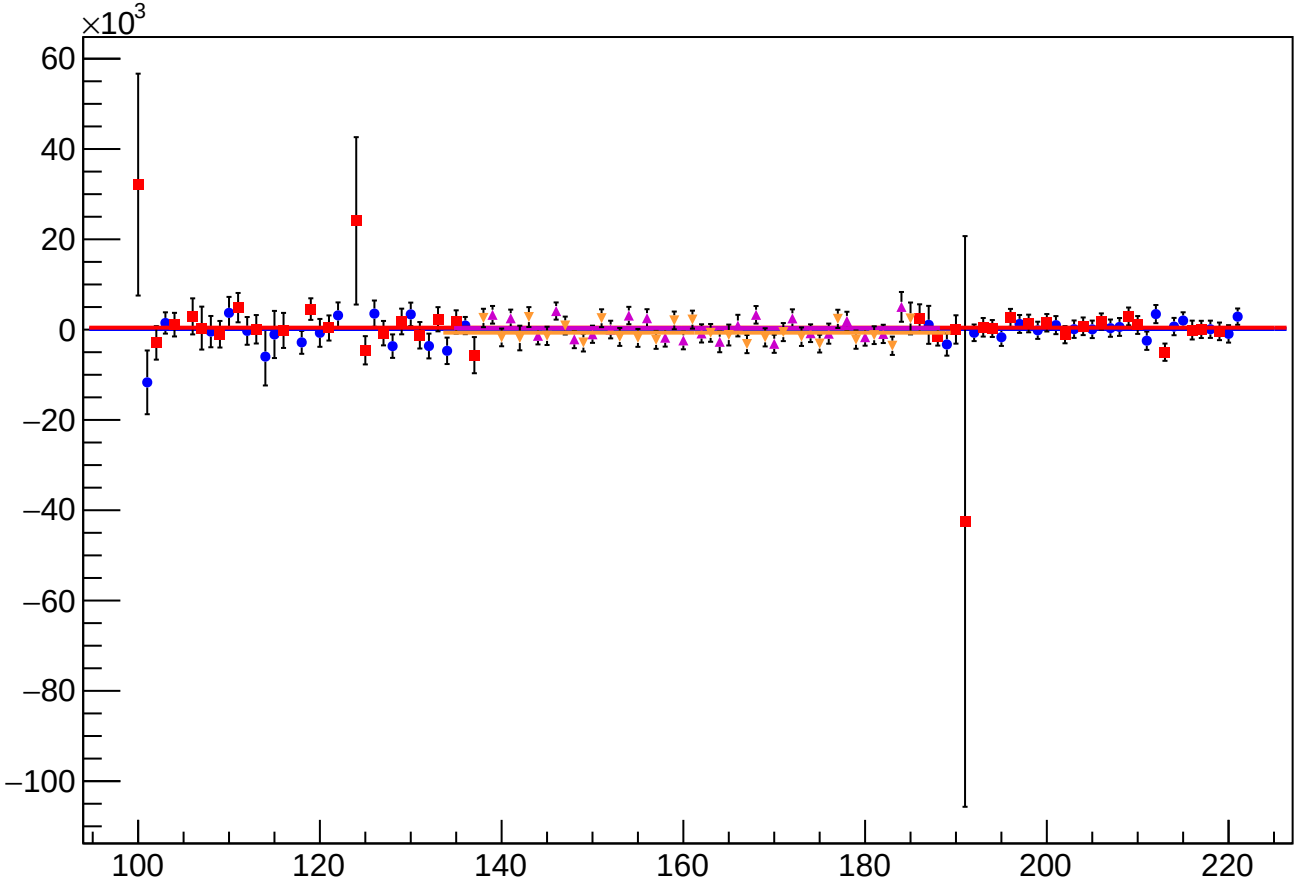
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 493.250+/-0.057 χ^2/NDF: 7660864.9/58

All: 492.139+/-0.041 χ^2/NDF: 16453207.1/11

- sign 490.959+/-0.059 χ^2/NDF: 8791564.5/59

cor_asym_at1_dd_mean vs Slug



Right In: 140.518+/-395.686 χ^2/NDF: 29.2/33

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 432.704+/-407.562 χ^2/NDF: 31.1/36

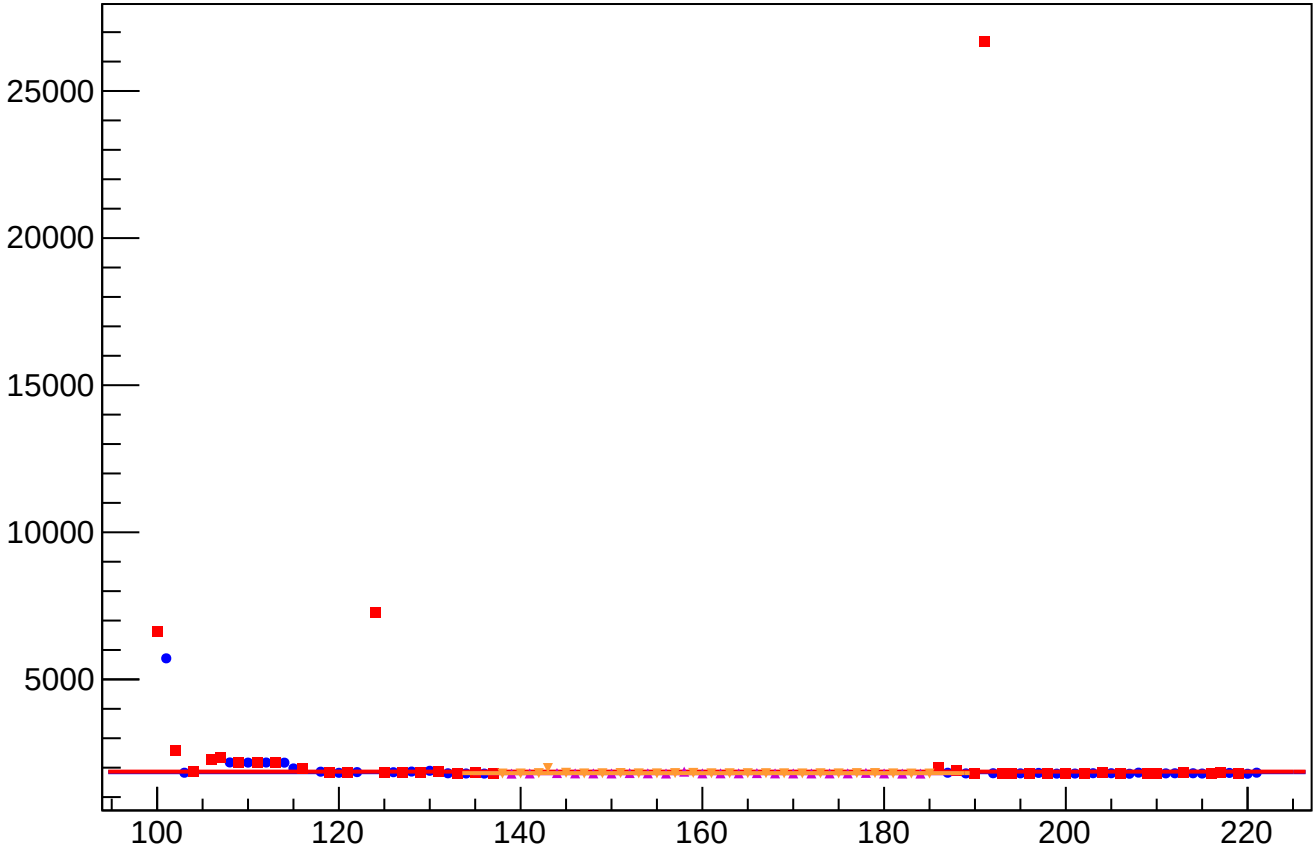
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -248.189+/-285.454 χ^2/NDF: 56.0/58

All: 61.895+/-204.598 χ^2/NDF: 119.6/118

- sign 389.483+/-293.400 χ^2/NDF: 61.2/59

cor_asym_at1_dd_rms vs Slug



Right In: 1845.670+/-0.280 χ^2/NDF: 681930.1/33

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

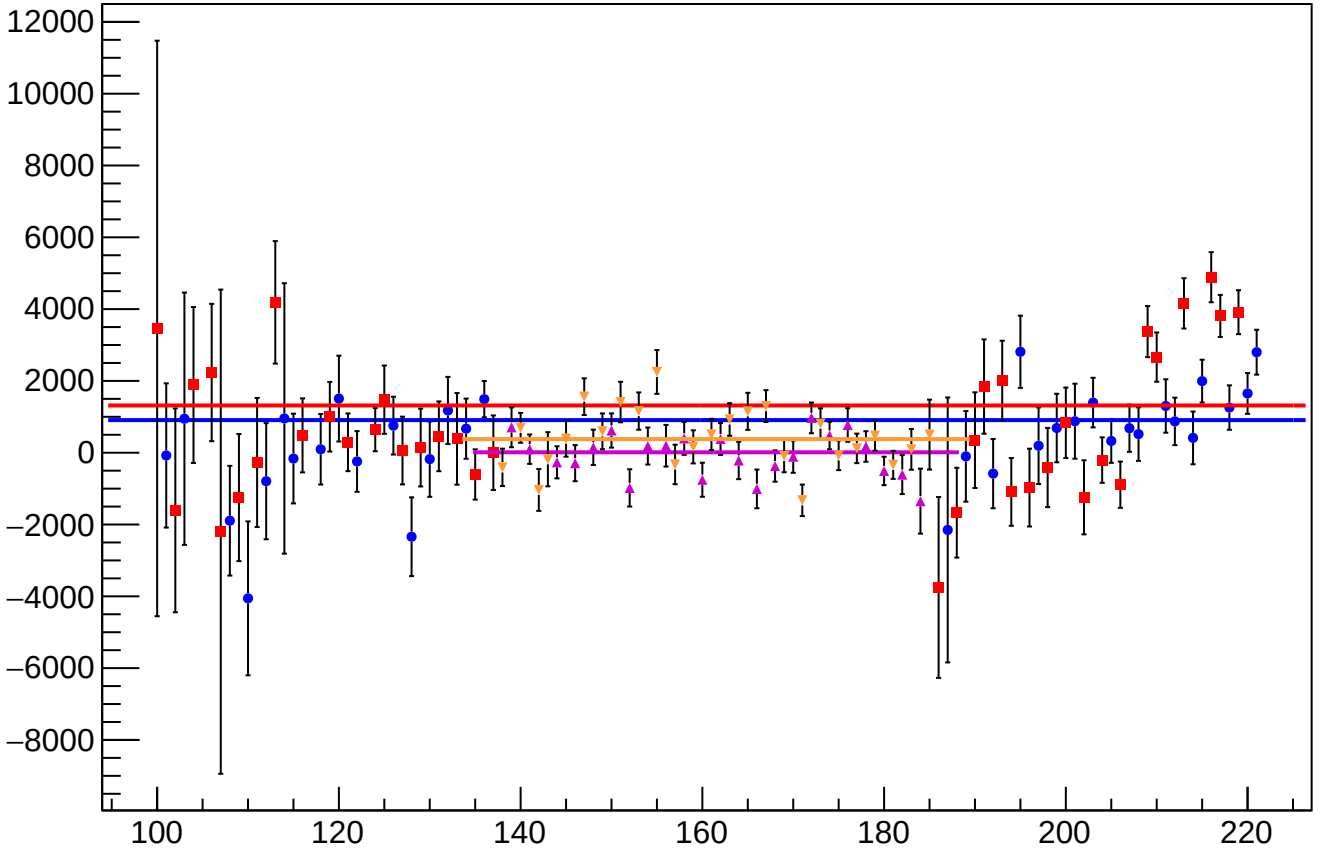
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.691+/-0.202 χ^2/NDF: 701009.1/58

All: 1834.719+/-0.145 χ^2/NDF: 1489059.0/11

- sign 1838.974+/-0.207 χ^2/NDF: 787231.0/59

asym_at1_dd_cor_correction_mean vs Slug



Right In: 908.715+/-146.564 χ^2/NDF: 49.8/33

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1315.839+/-154.578 χ^2/NDF: 163.6/36

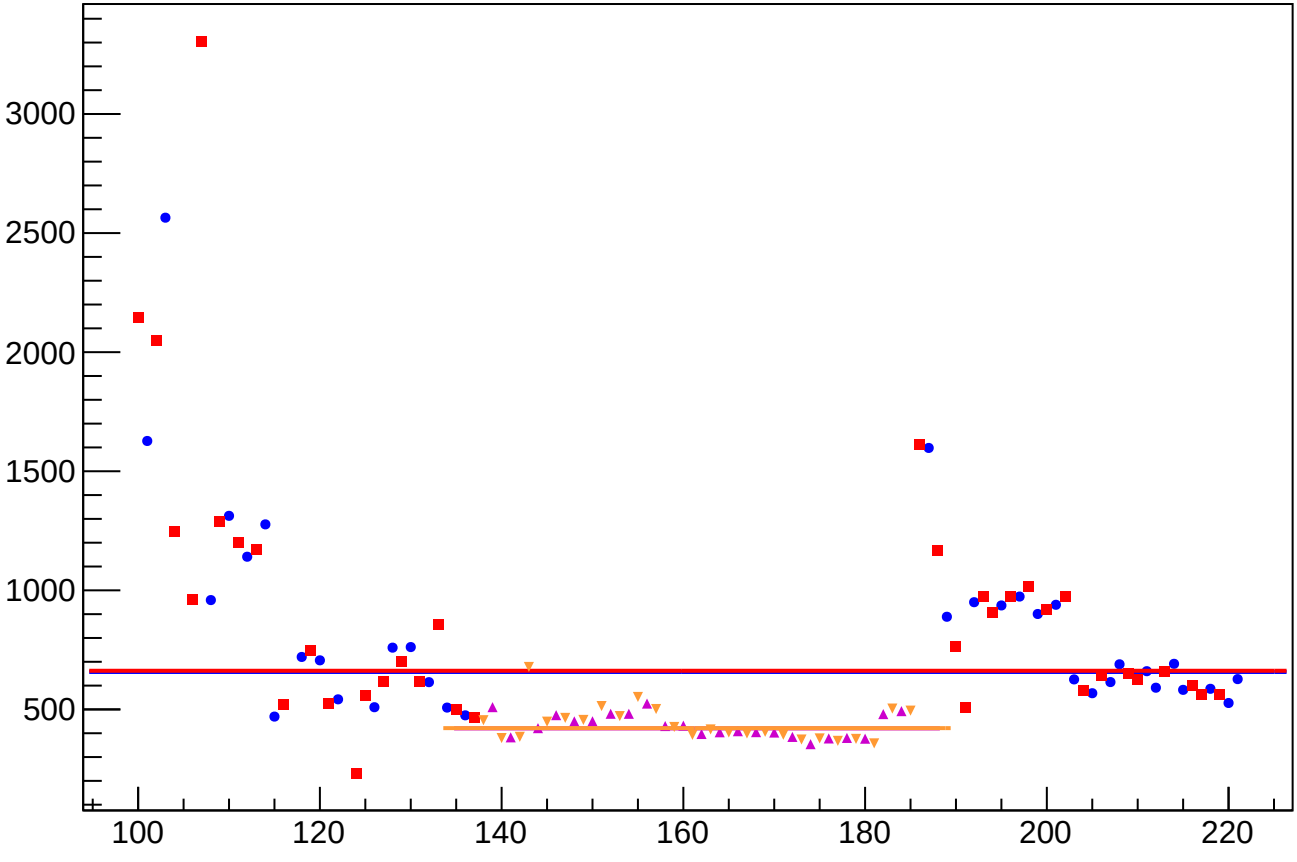
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 540.620+/-80.897 χ^2/NDF: 121.2/58

All: 467.943+/-58.052 χ^2/NDF: 368.1/118

- sign 390.787+/-83.353 χ^2/NDF: 245.2/59

asym_at1_dd_cor_correction_rms vs Slug



Right In: 657.210+/-0.104 χ^2/NDF: 3317593.2/33

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

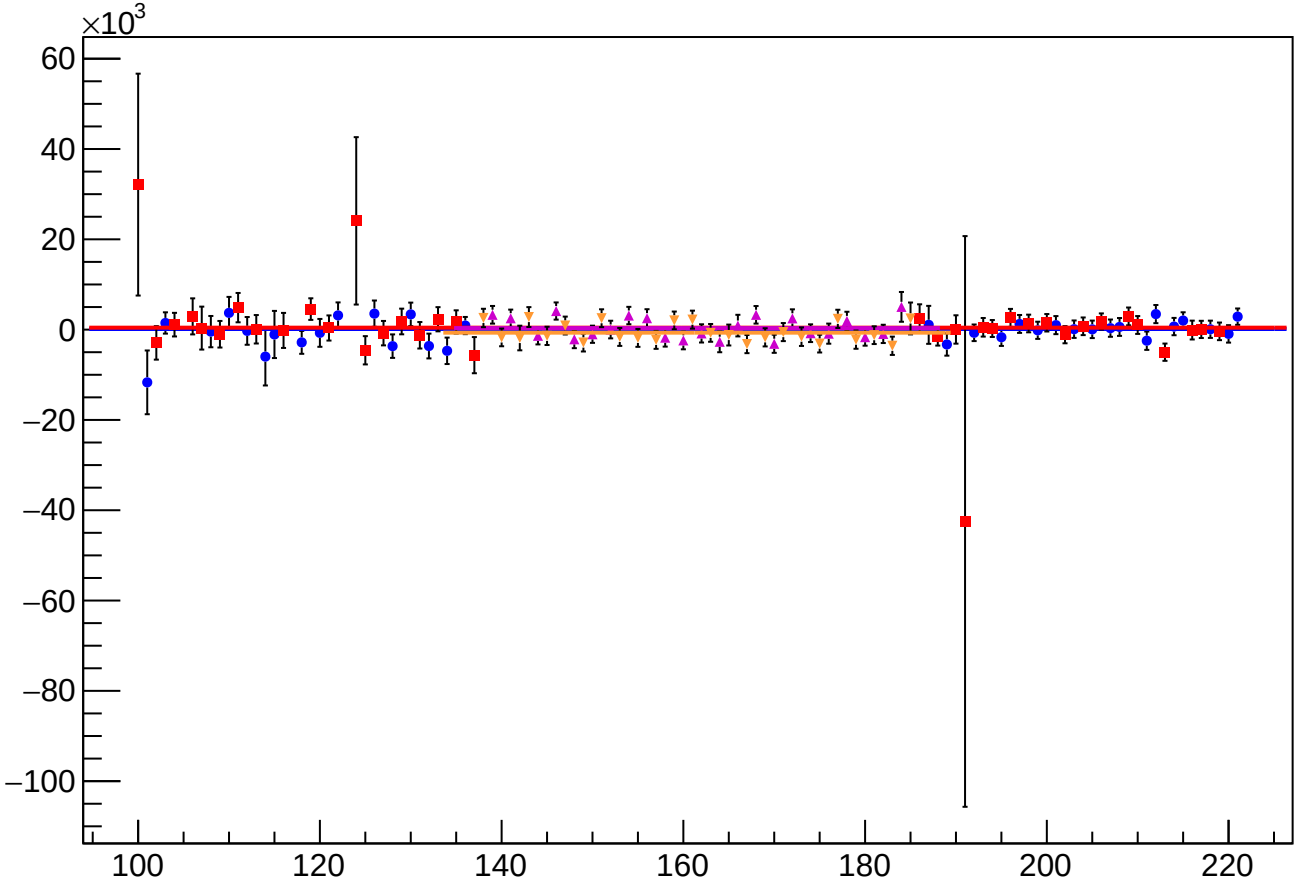
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 493.255+/-0.057 χ^2/NDF: 7659935.0/58

All: 491.974+/-0.041 χ^2/NDF: 16420105.9/11

- sign 490.614+/-0.059 χ^2/NDF: 8759136.9/59

eigen_cor_asym_at1_dd_mean vs Slug



Right In: 140.518+/-395.686 χ^2/NDF: 29.2/33

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 432.704+/-407.562 χ^2/NDF: 31.1/36

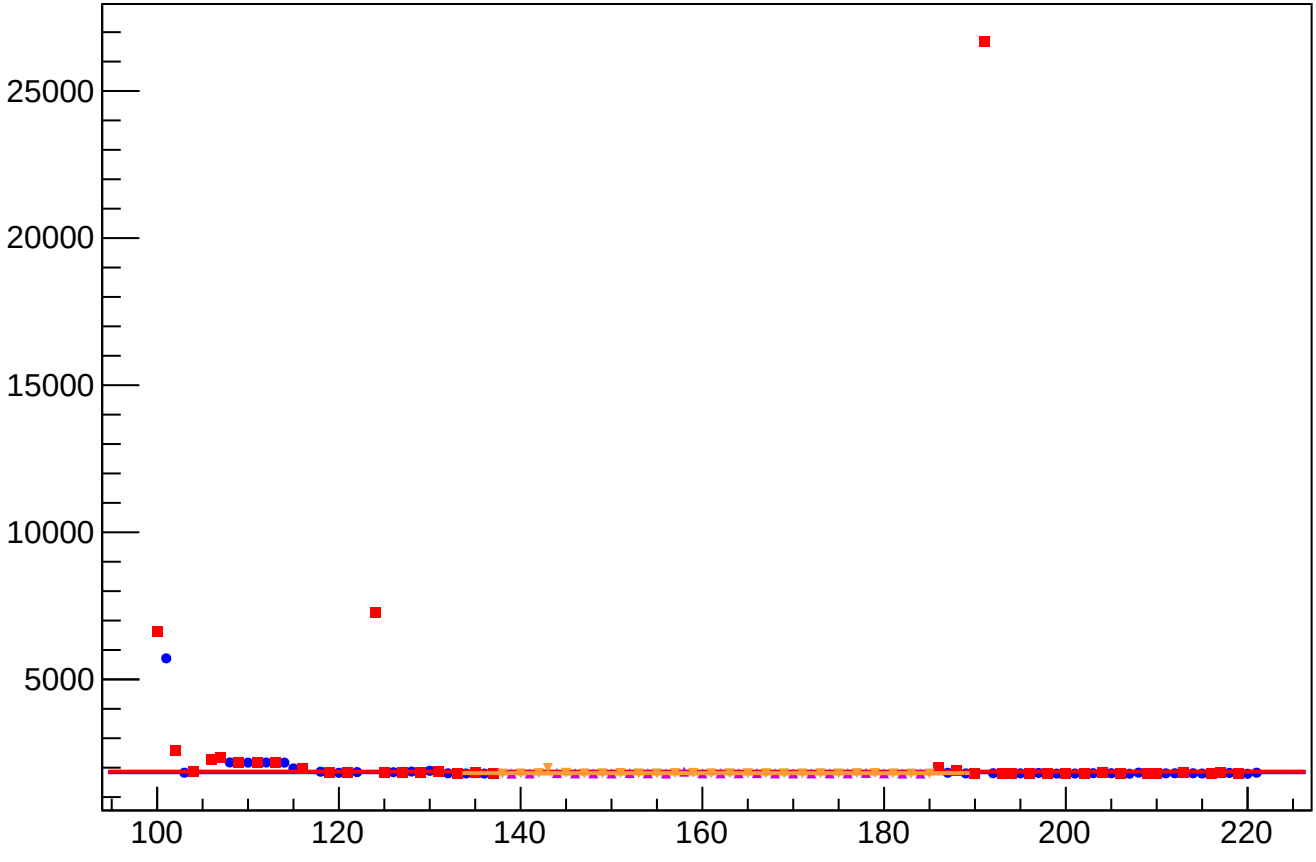
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -248.189+/-285.454 χ^2/NDF: 56.0/58

All: 61.895+/-204.598 χ^2/NDF: 119.6/118

- sign 389.483+/-293.400 χ^2/NDF: 61.2/59

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1845.670+/-0.280 χ^2/NDF: 681930.1/33

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

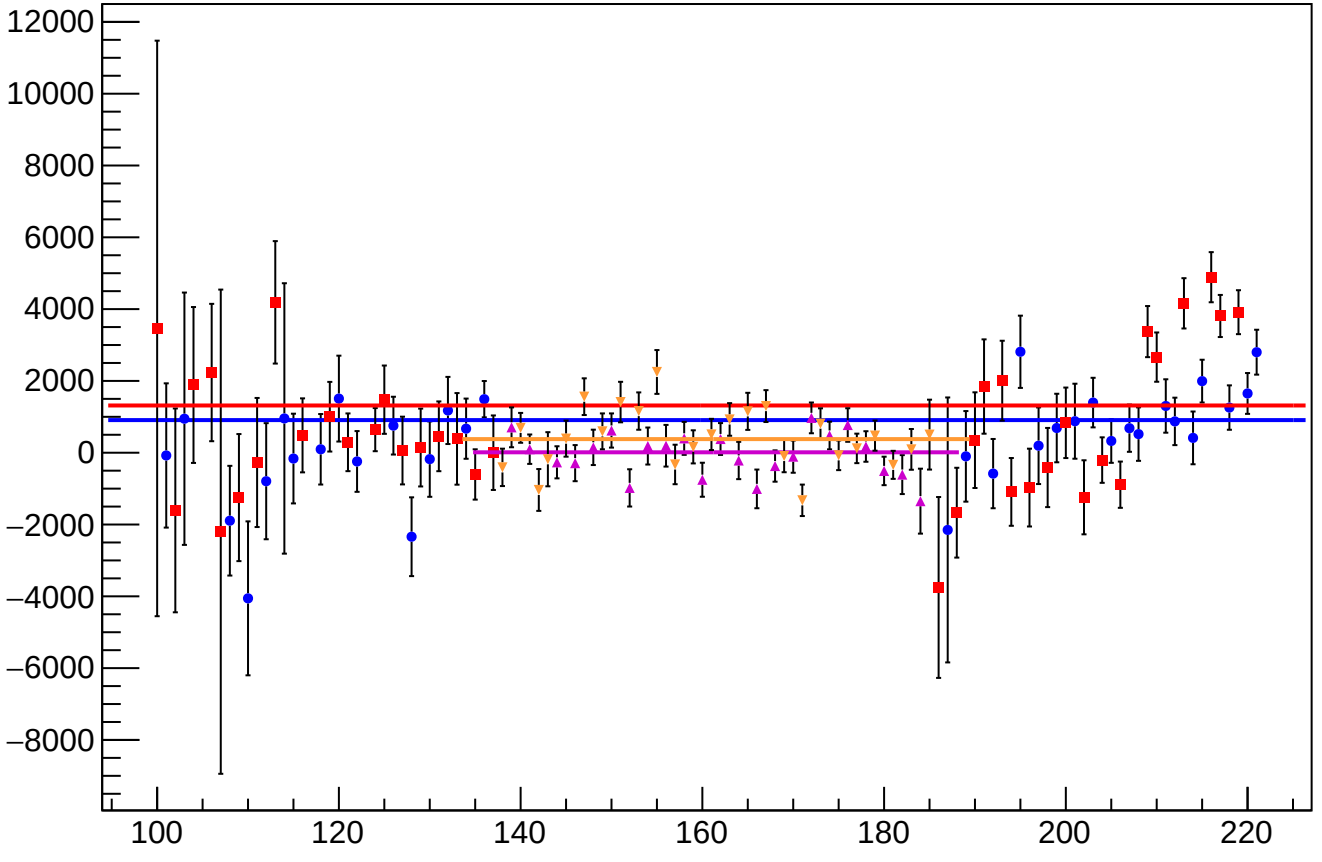
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.691+/-0.202 χ^2/NDF: 701009.1/58

All: 1834.719+/-0.145 χ^2/NDF: 1489059.0/11

- sign 1838.974+/-0.207 χ^2/NDF: 787231.0/59

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 908.715+/-146.564 χ^2/NDF: 49.8/33

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1315.839+/-154.578 χ^2/NDF: 163.6/36

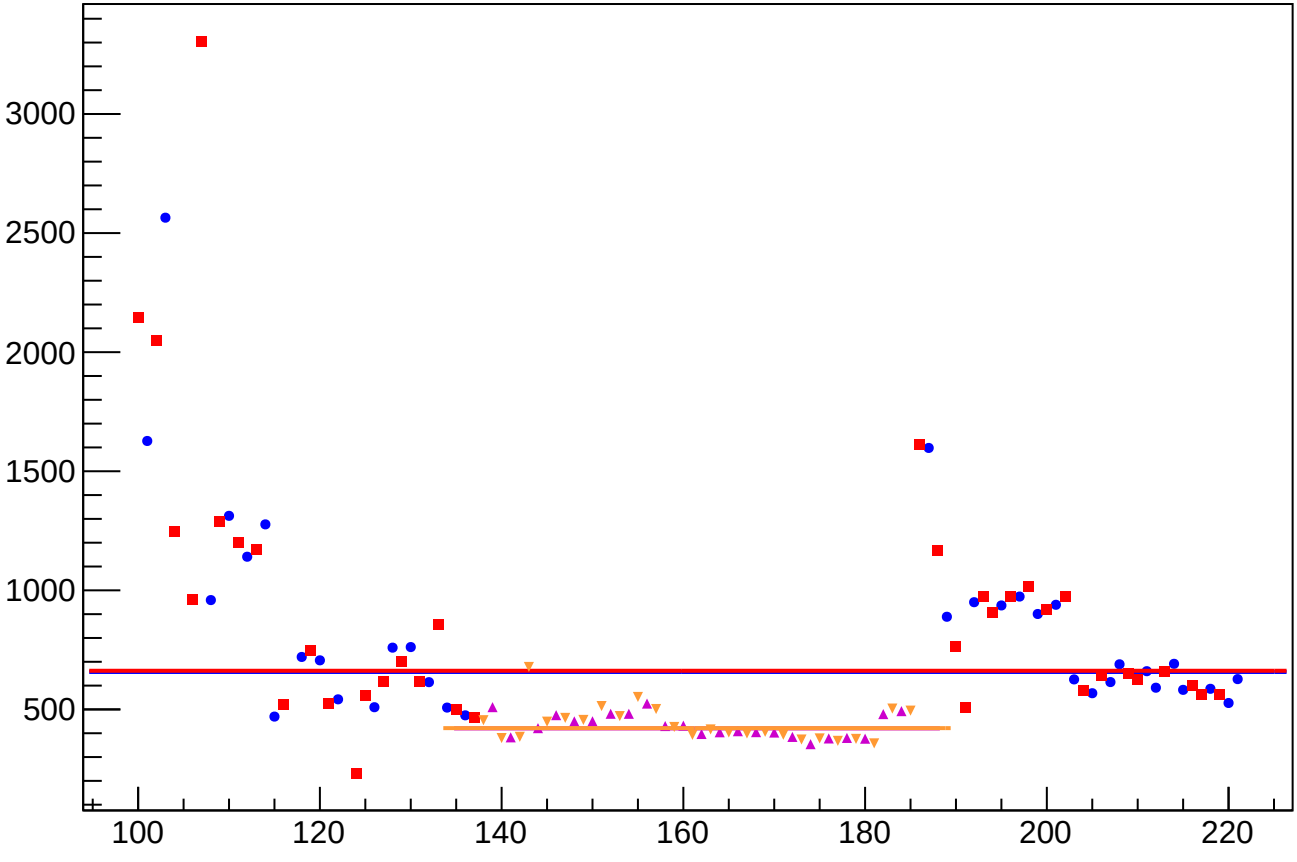
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 540.620+/-80.897 χ^2/NDF: 121.2/58

All: 467.943+/-58.052 χ^2/NDF: 368.1/118

- sign 390.787+/-83.353 χ^2/NDF: 245.2/59

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 657.210+/-0.104 χ^2/NDF: 3317593.2/33

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

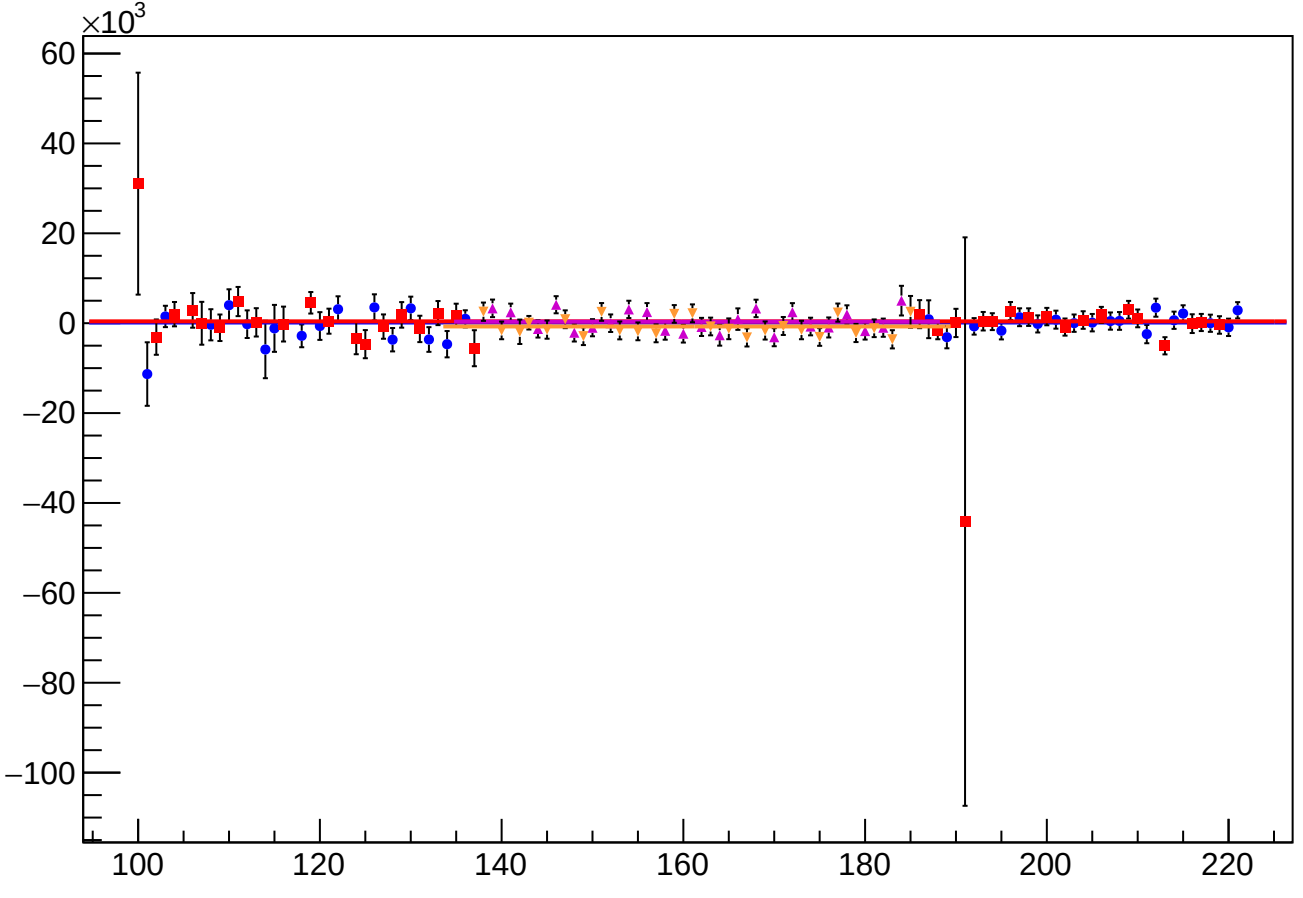
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 493.255+/-0.057 χ^2/NDF: 7659935.0/58

All: 491.974+/-0.041 χ^2/NDF: 16420105.9/11

- sign 490.614+/-0.059 χ^2/NDF: 8759136.9/59

dit_asym_at1_dd_mean vs Slug



Right In: 151.404+/-396.050 χ^2/NDF: 28.9/33

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 409.971+/-405.905 χ^2/NDF: 30.6/36

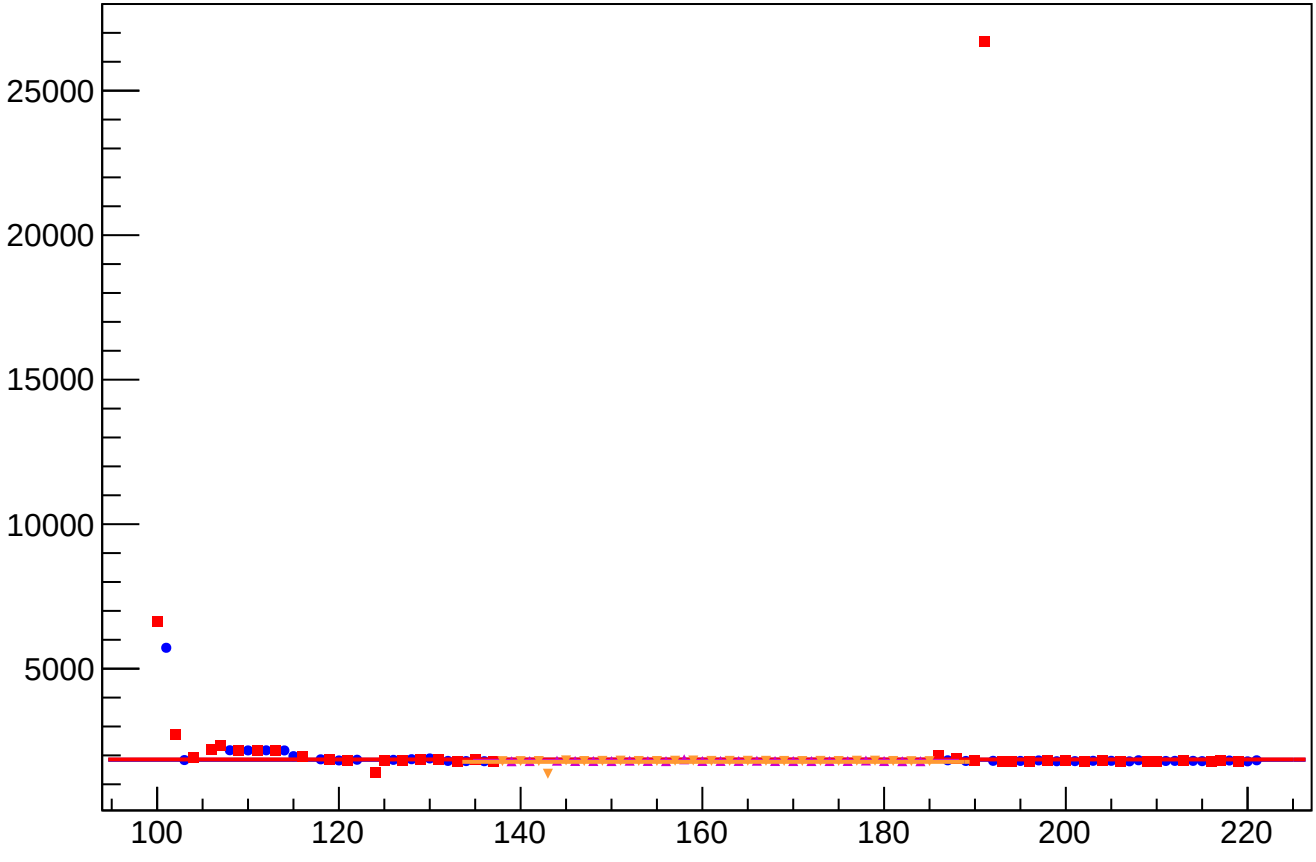
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -277.406+/-282.961 χ^2/NDF: 53.5/58

All: 38.588+/-203.483 χ^2/NDF: 116.3/118

- sign 377.003+/-292.828 χ^2/NDF: 60.2/59

dit_asym_at1_dd_rms vs Slug



Right In: 1847.278+/-0.280 χ^2/NDF: 681893.7/33

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.4/36

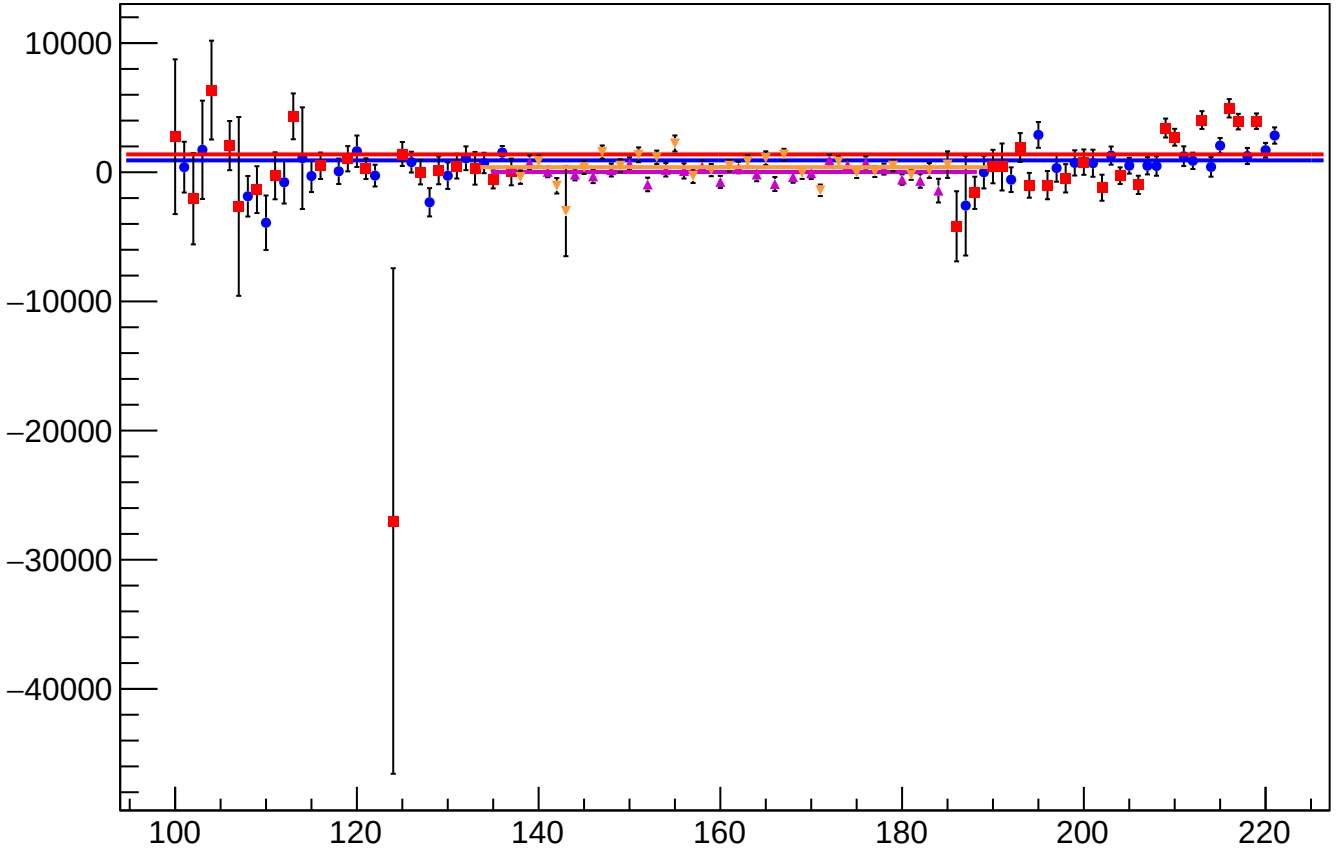
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.737+/-0.200 χ^2/NDF: 874262.8/58

All: 1824.101+/-0.144 χ^2/NDF: 1537951.1/11

- sign 1836.270+/-0.207 χ^2/NDF: 657008.3/59

asym_at1_dd_dit_correction_mean vs Slug



Right In: 919.814+/-146.652 χ^2/NDF: 50.7/33

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 1382.341+/-161.667 χ^2/NDF: 165.6/36

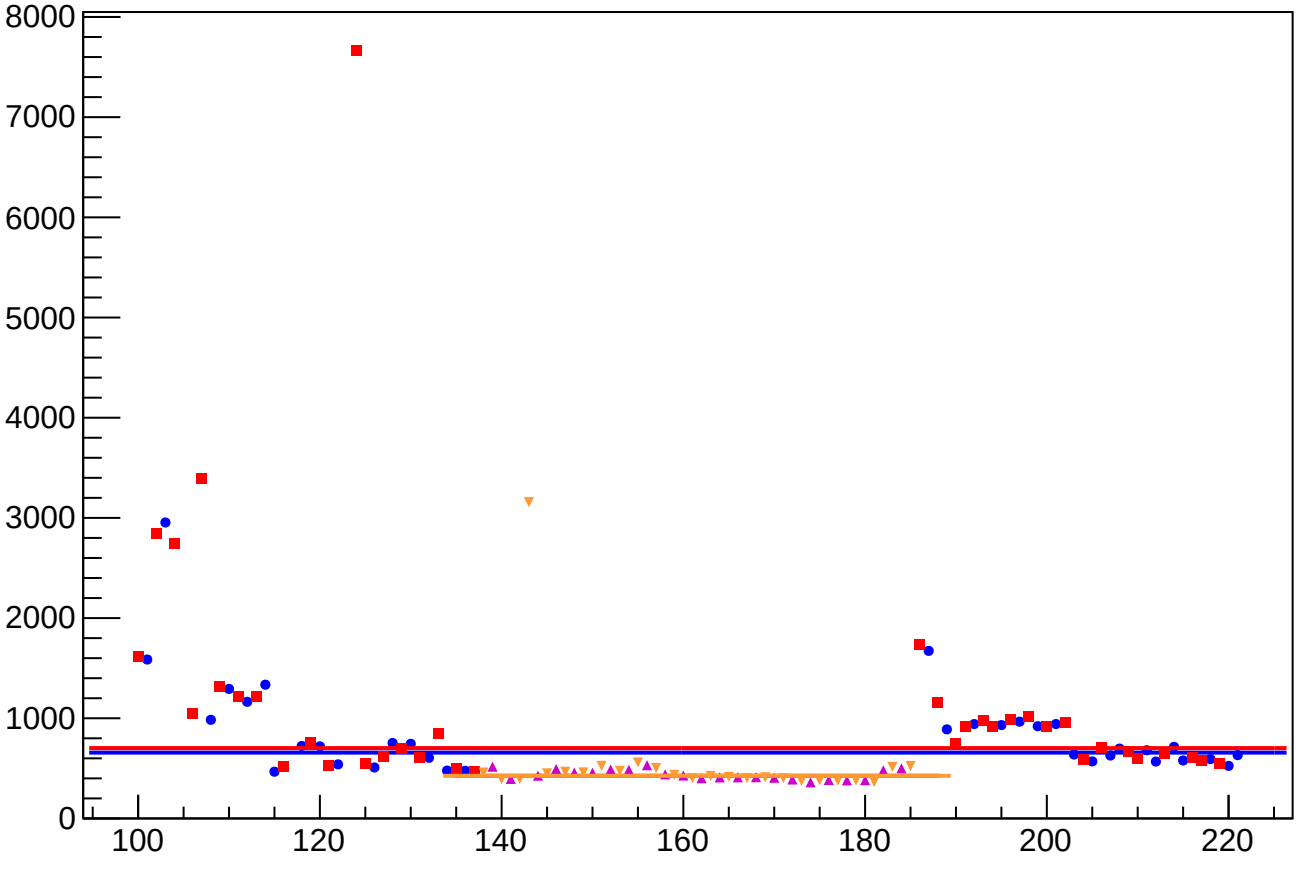
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 561.913+/-82.147 χ^2/NDF: 119.9/58

All: 483.672+/-59.139 χ^2/NDF: 369.4/118

- sign 399.492+/-85.207 χ^2/NDF: 247.7/59

asym_at1_dd_dit_correction_rms vs Slug



Right In: 657.296+/-0.104 χ^2/NDF: 3529824.2/33

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

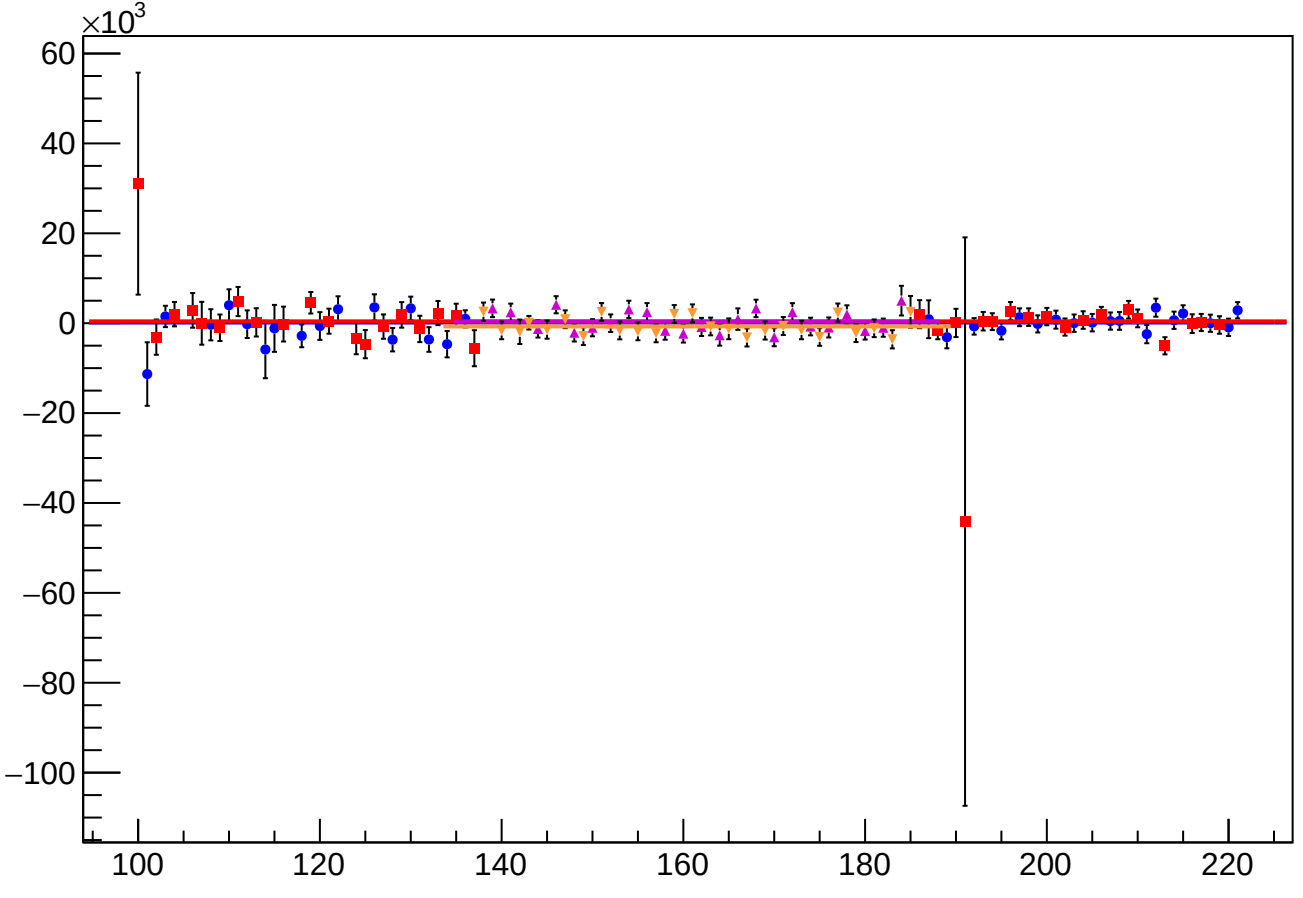
Right Out: 702.341+/-0.114 χ^2/NDF: 4796440.2/36

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 498.365+/-0.058 χ^2/NDF: 8670901.6/58

All: 500.535+/-0.042 χ^2/NDF: 18101550.7/11

- sign 502.869+/-0.060 χ^2/NDF: 9427753.7/59



Right In: 151.401+/-396.050 χ^2/NDF: 28.9/33

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 409.969+/-405.905 χ^2/NDF: 30.6/36

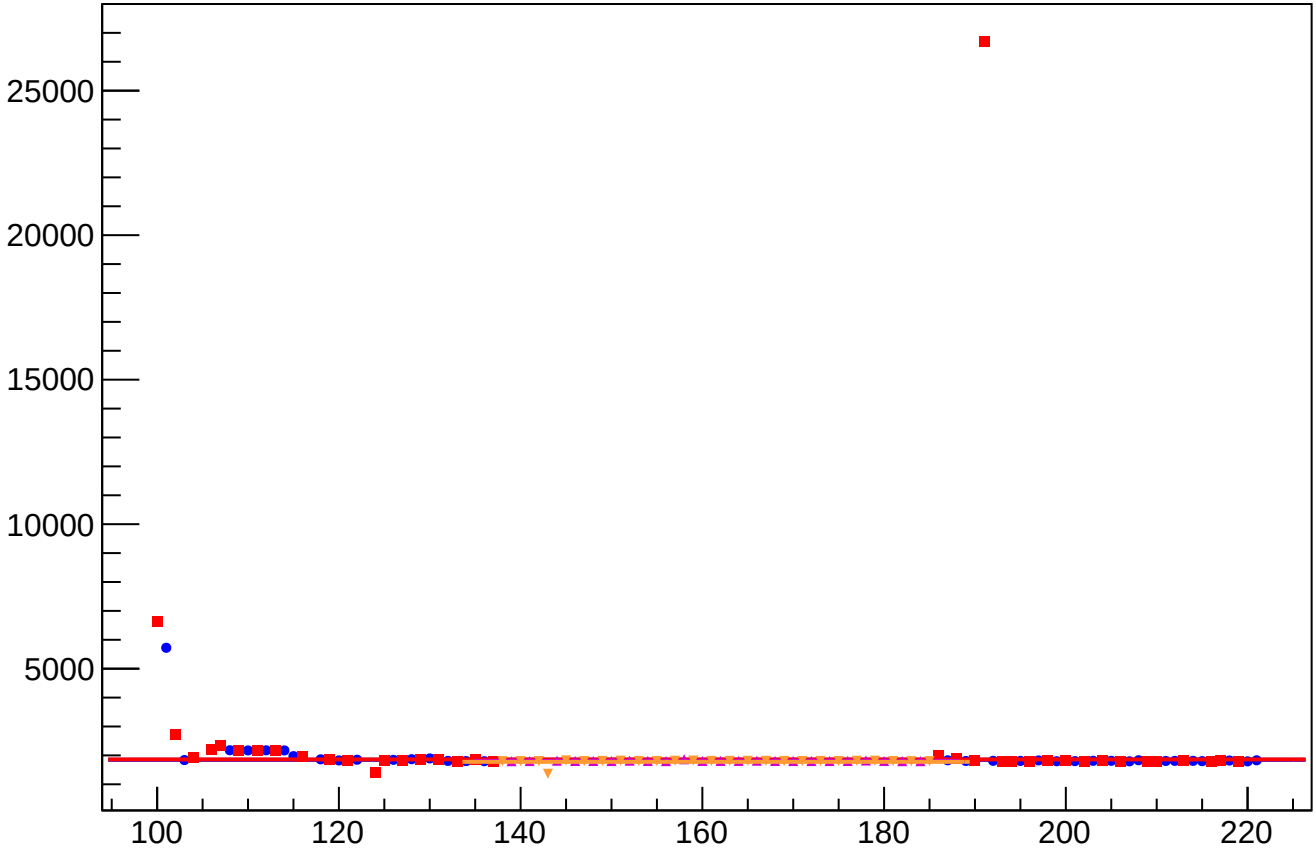
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -277.407+/-282.961 χ^2/NDF: 53.5/58

All: 38.586+/-203.483 χ^2/NDF: 116.3/118

\- sign 377.001+/-292.828 χ^2/NDF: 60.2/59

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1847.278+/-0.280 χ^2/NDF: 681893.7/33

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.2/36

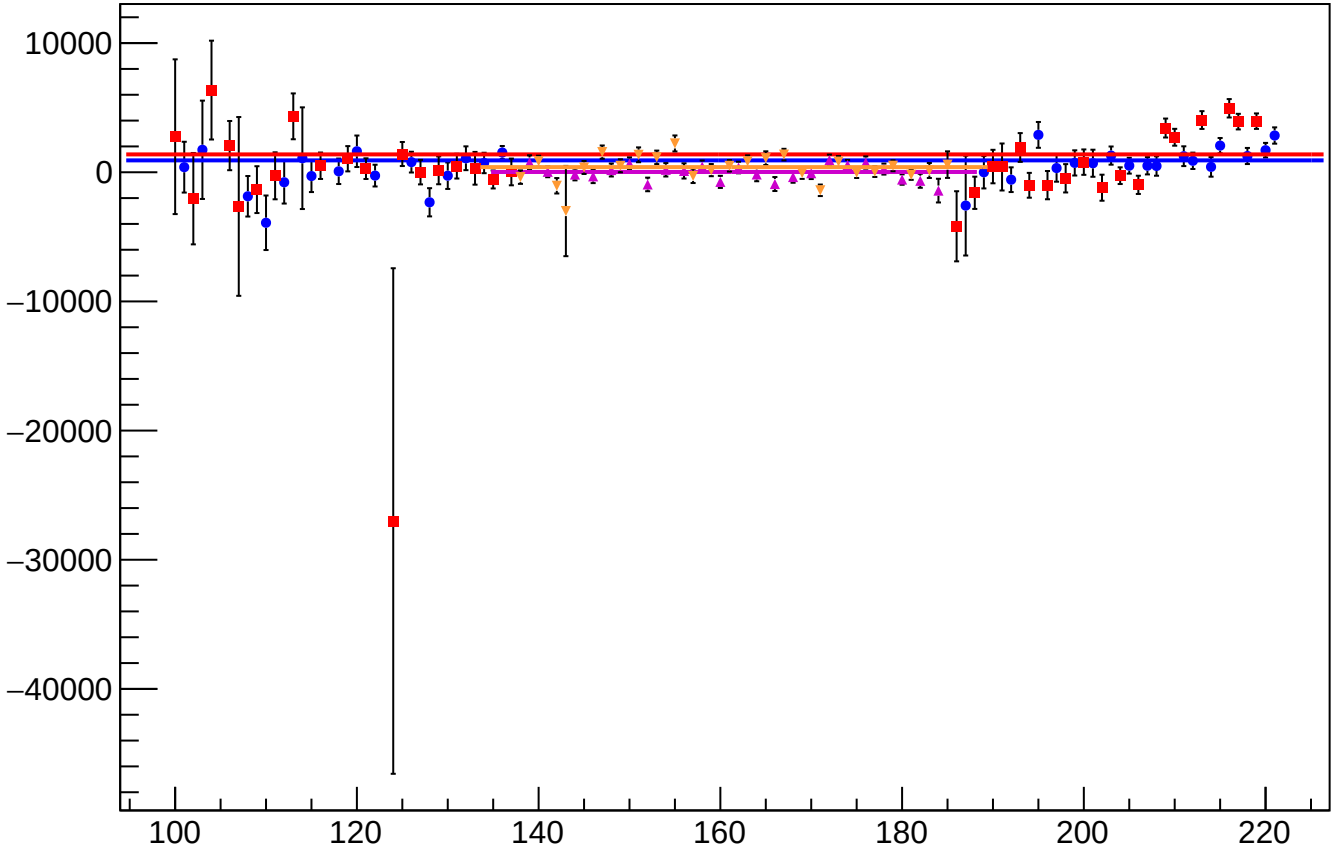
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.737+/-0.200 χ^2/NDF: 874262.8/58

All: 1824.101+/-0.144 χ^2/NDF: 1537950.9/11

- sign 1836.270+/-0.207 χ^2/NDF: 657008.1/59

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 919.811+/-146.652 χ^2/NDF: 50.7/33

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 1382.337+/-161.667 χ^2/NDF: 165.6/36

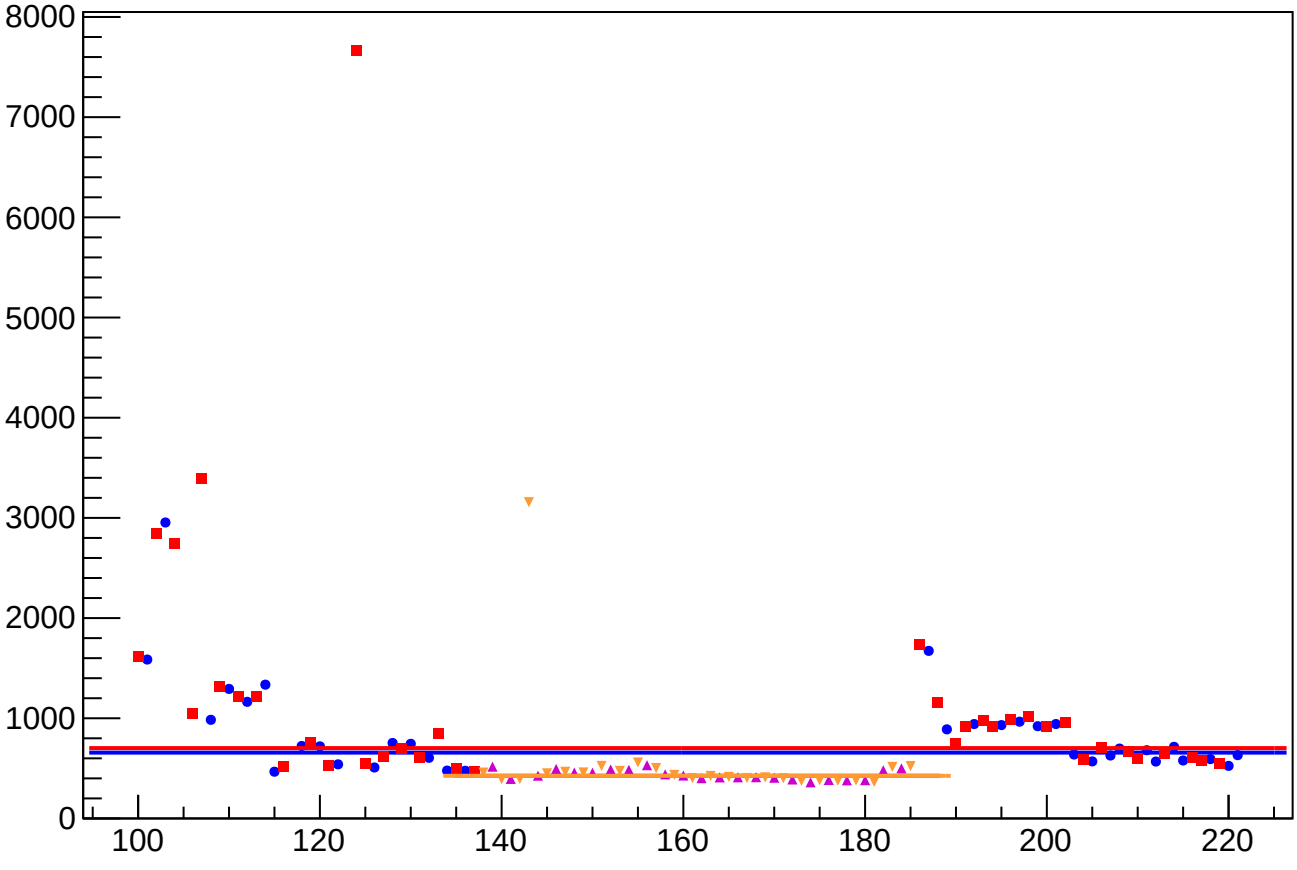
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 561.911+/-82.147 χ^2/NDF: 119.9/58

All: 483.670+/-59.139 χ^2/NDF: 369.4/118

- sign 399.490+/-85.207 χ^2/NDF: 247.7/59

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 657.296+/-0.104 χ^2/NDF: 3529822.8/33

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

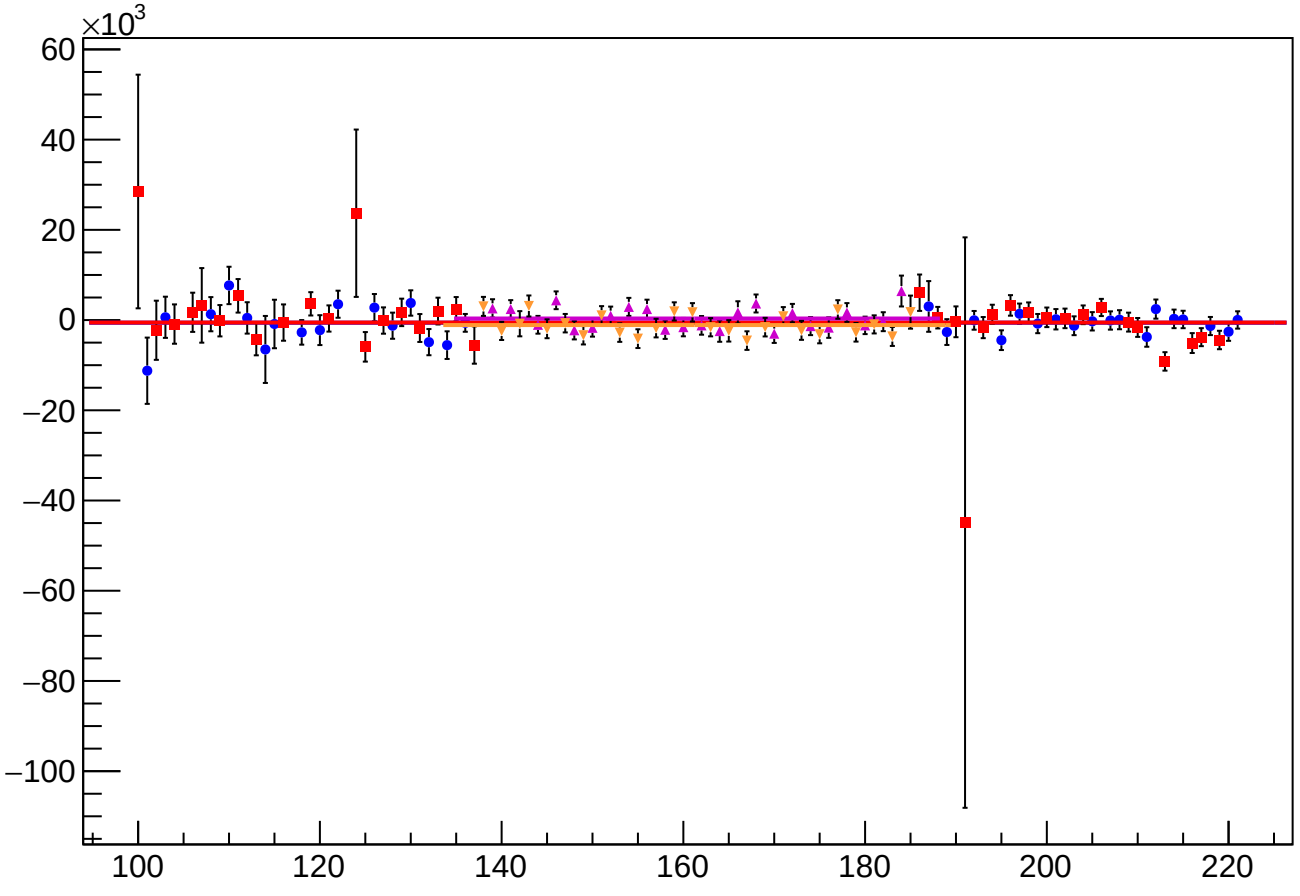
Right Out: 702.342+/-0.114 χ^2/NDF: 4796435.8/36

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 498.365+/-0.058 χ^2/NDF: 8670921.4/58

All: 500.534+/-0.042 χ^2/NDF: 18101589.3/11

- sign 502.868+/-0.060 χ^2/NDF: 9427772.3/59



Right In: -587.314+/-432.058 χ^2/NDF: 29.4/33

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -548.458+/-452.120 χ^2/NDF: 57.5/36

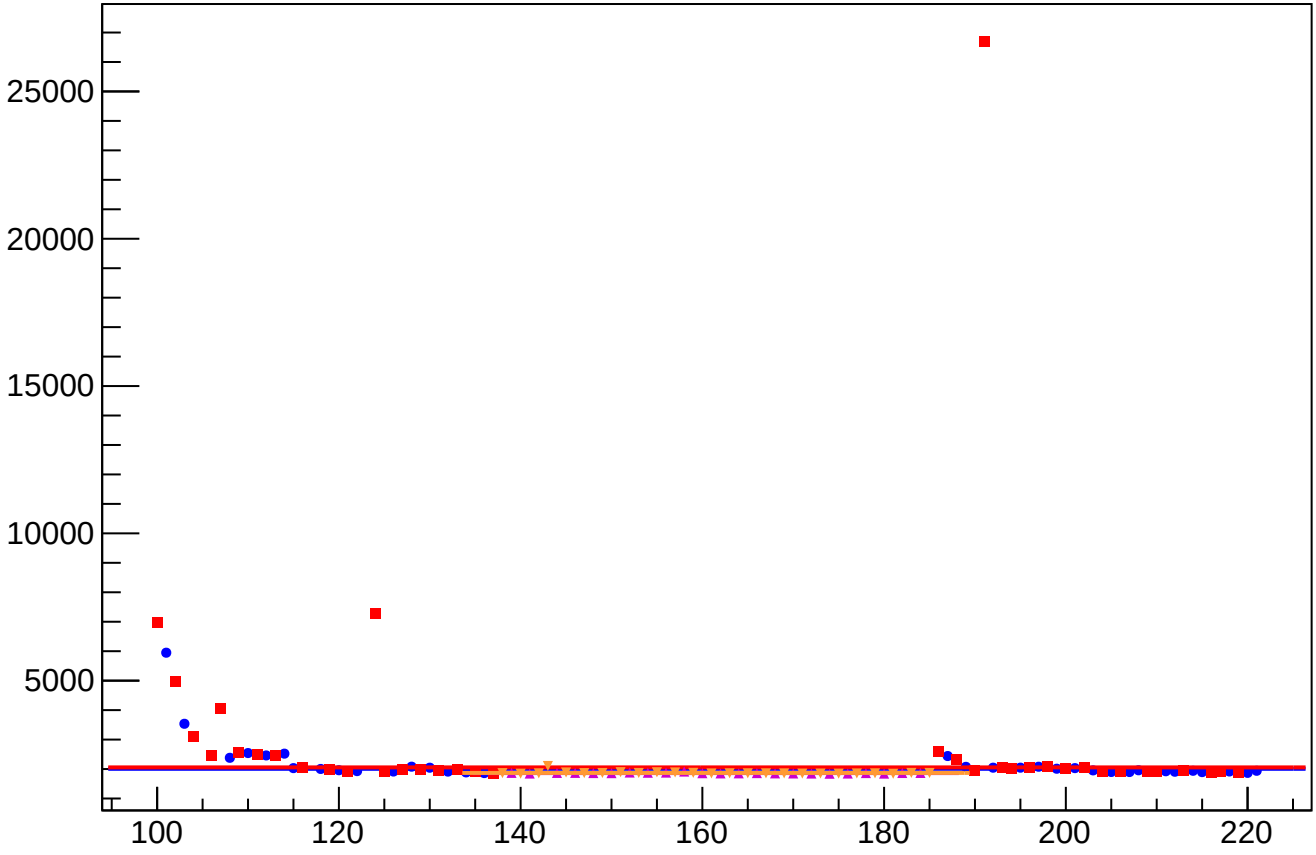
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

\+ sign -851.037+/-302.857 χ^2/NDF: 58.1/58

All: -480.423+/-217.801 χ^2/NDF: 149.6/118

\- sign -83.433+/-313.449 χ^2/NDF: 88.3/59

asym_at1_dd_rms vs Slug



Right In: 2007.977+/-0.306 χ^2/NDF: 980137.2/33

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2055.591+/-0.320 χ^2/NDF: 1445658.9/36

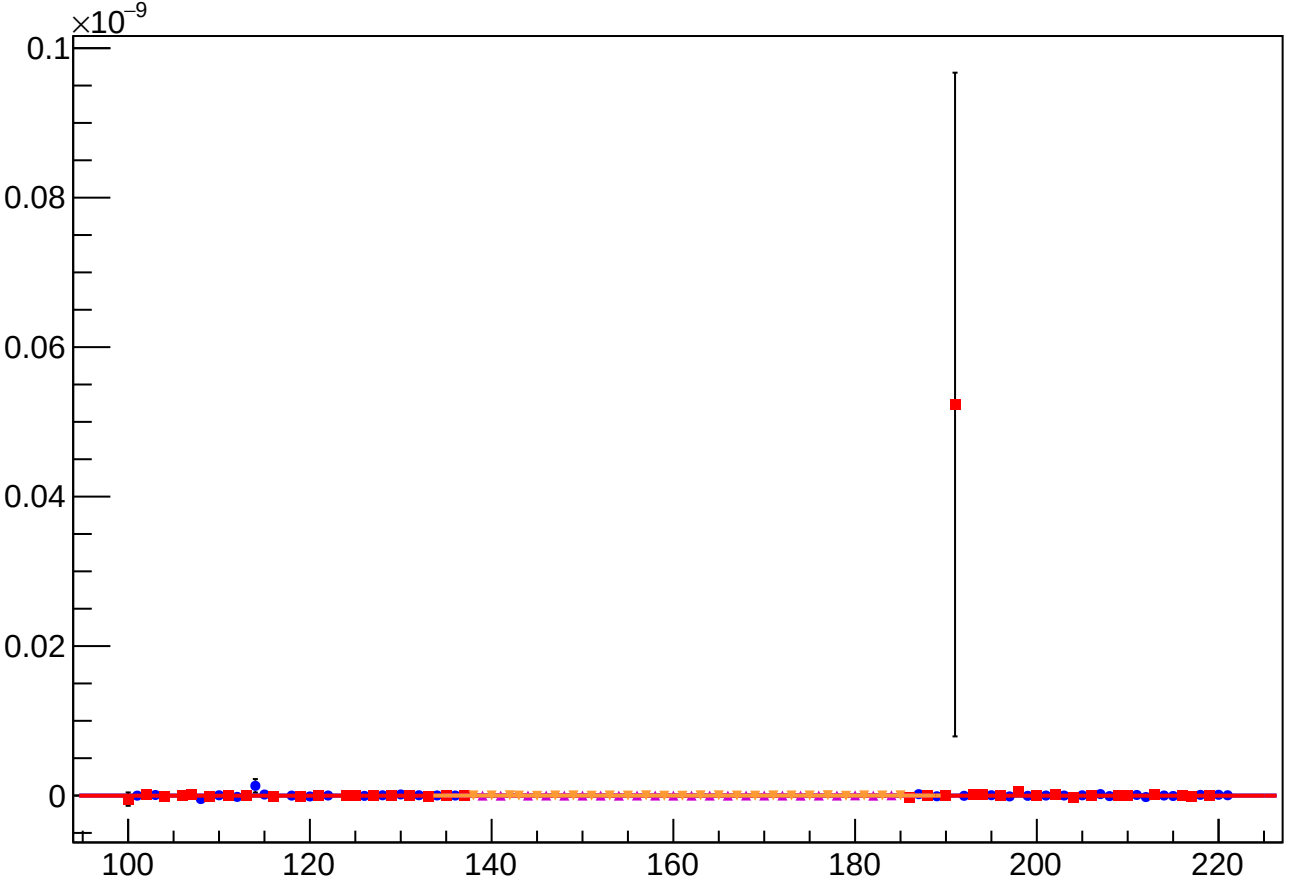
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1937.257+/-0.214 χ^2/NDF: 1108798.3/58

All: 1946.055+/-0.154 χ^2/NDF: 2749480.4/11

- sign 1955.479+/-0.222 χ^2/NDF: 1637186.0/59

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/36

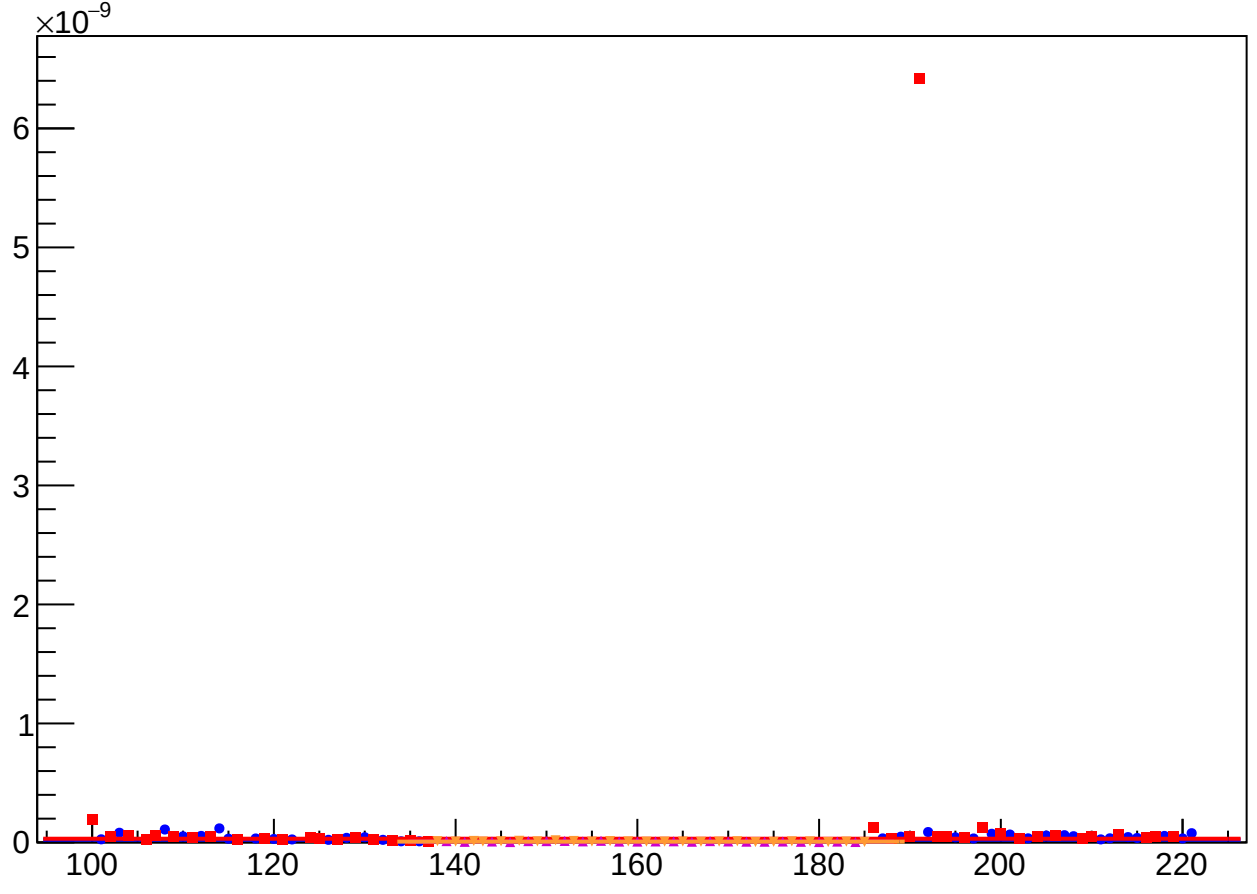
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.9/58

All: 0.000+/-0.000 χ^2/NDF: 138.1/118

- sign 0.000+/-0.000 χ^2/NDF: 54.6/59

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6167235.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4003895.2/36

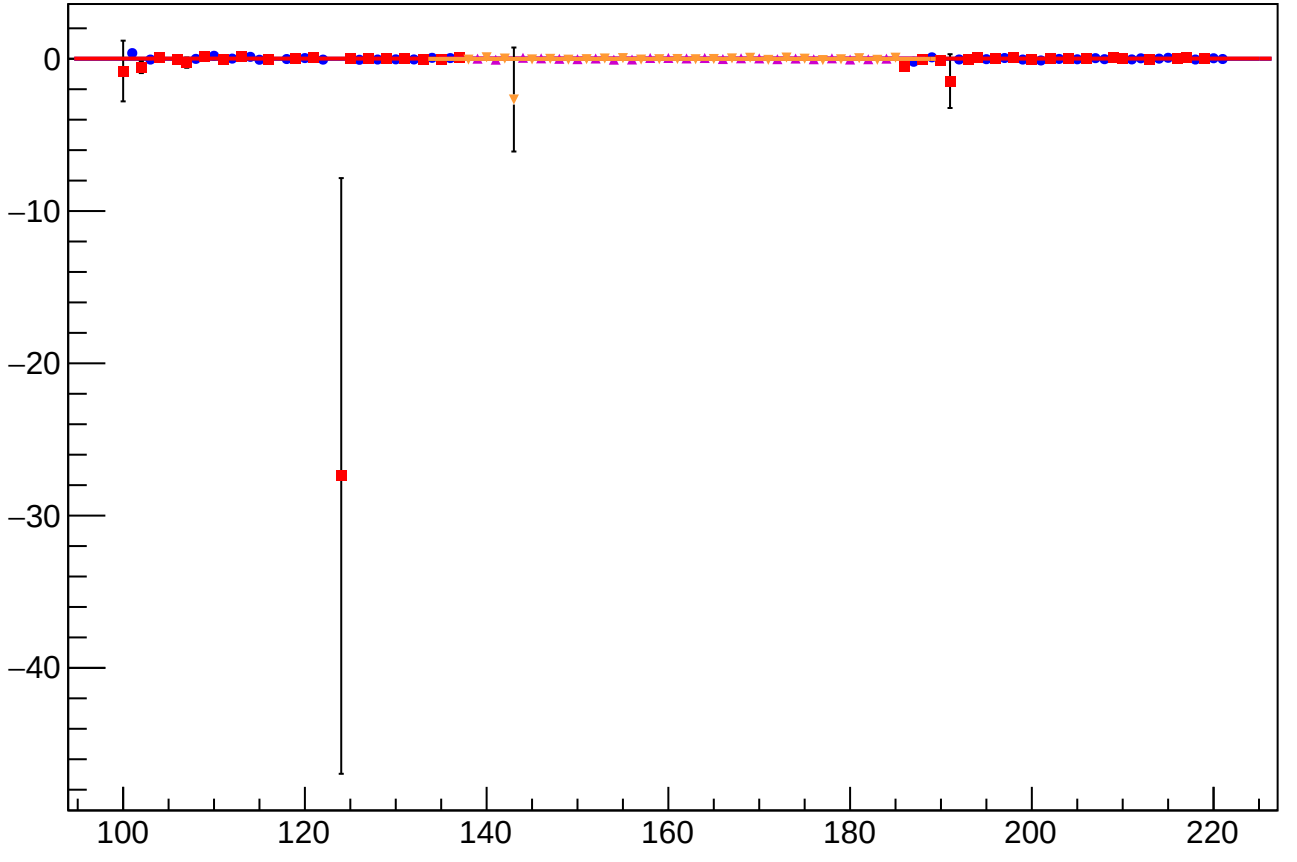
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12820847.4/58

All: 0.000+/-0.000 χ^2/NDF: 25209083.3/118

- sign 0.000+/-0.000 χ^2/NDF: 12387254.0/59

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

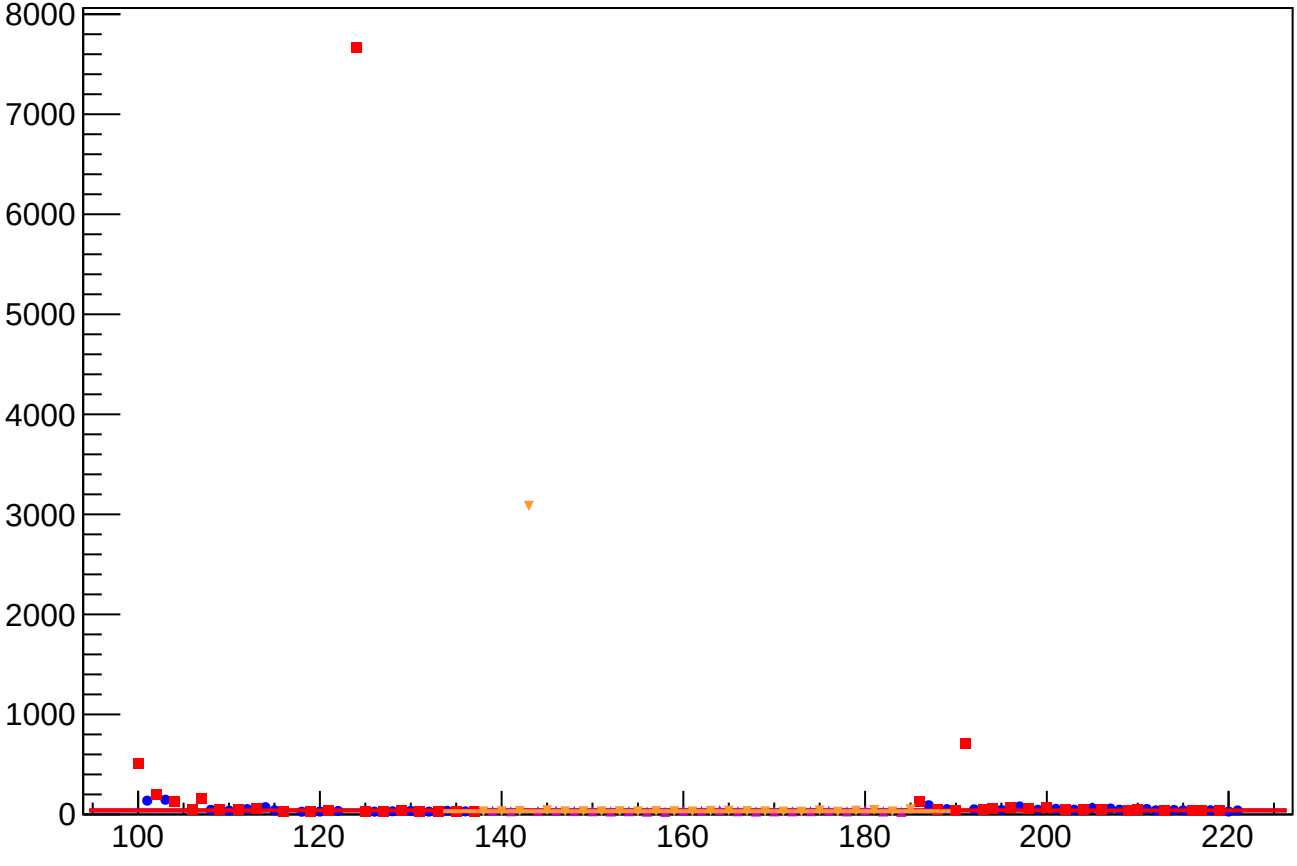
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.000+/-0.005 χ^2/NDF: 127.5/118

- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589942.6/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

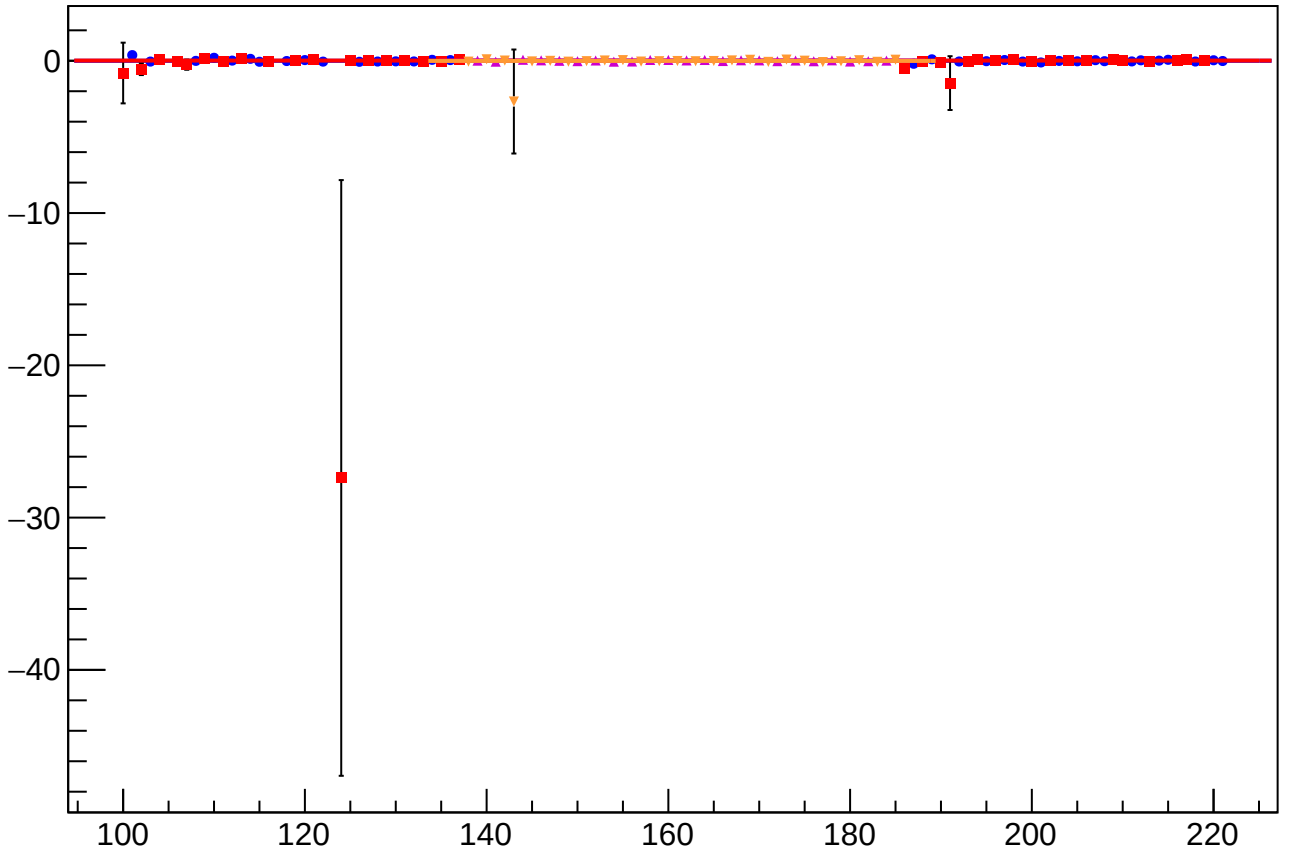
Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.636+/-0.004 χ^2/NDF: 6511940.5/58

All: 35.689+/-0.003 χ^2/NDF: 12116400.9/118

- sign 35.746+/-0.005 χ^2/NDF: 5604160.3/59



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

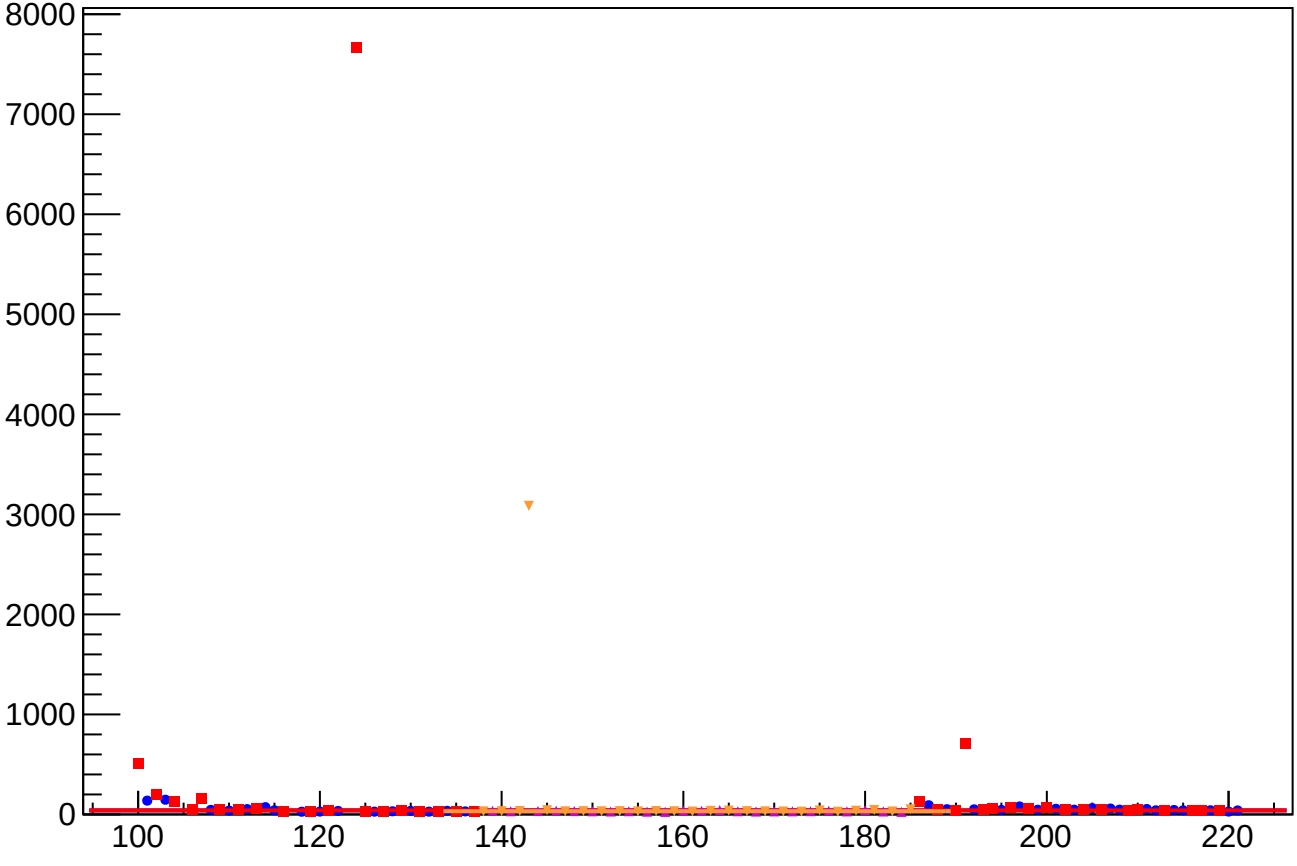
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.000+/-0.005 χ^2/NDF: 127.5/118

\- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589942.6/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

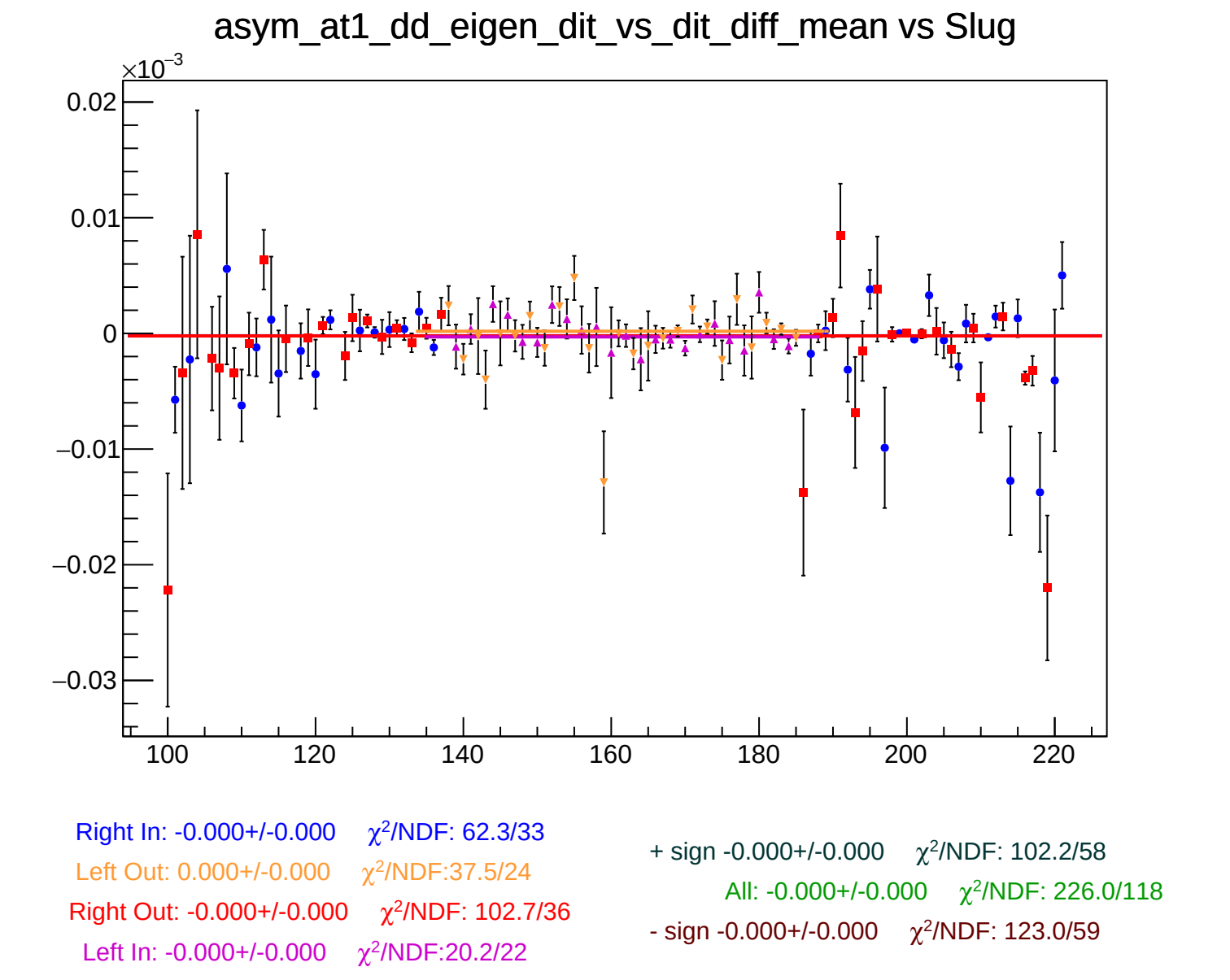
Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

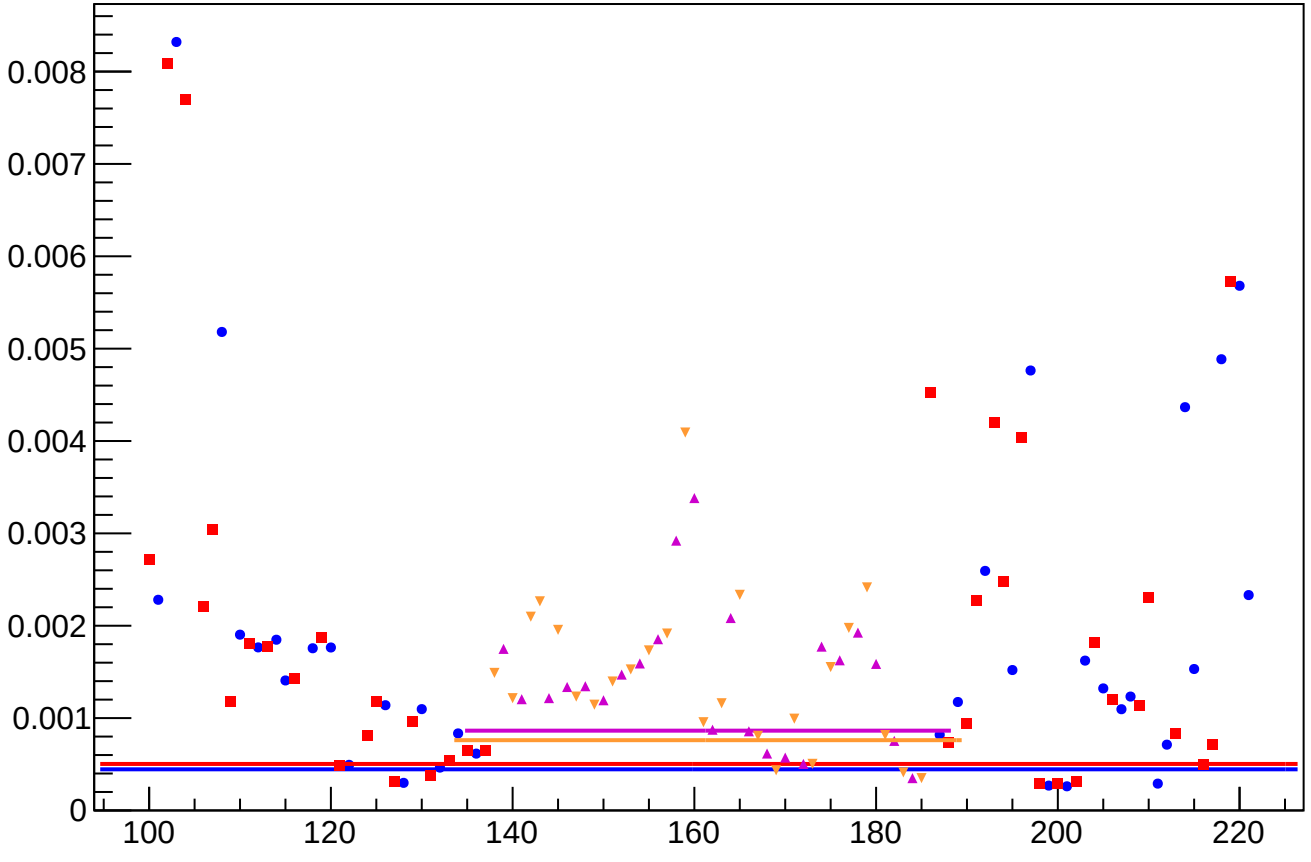
+ sign 35.636+/-0.004 χ^2/NDF: 6511940.5/58

All: 35.689+/-0.003 χ^2/NDF: 12116400.9/118

- sign 35.746+/-0.005 χ^2/NDF: 5604160.3/59


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
220
Right In: -0.000+/-0.000 χ²/NDF: 62.3/33
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 102.7/36
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign -0.000+/-0.000 χ²/NDF: 102.2/58
All: -0.000+/-0.000 χ²/NDF: 226.0/118
- sign -0.000+/-0.000 χ²/NDF: 123.0/59

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20654408.7/33

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16190110.7/36

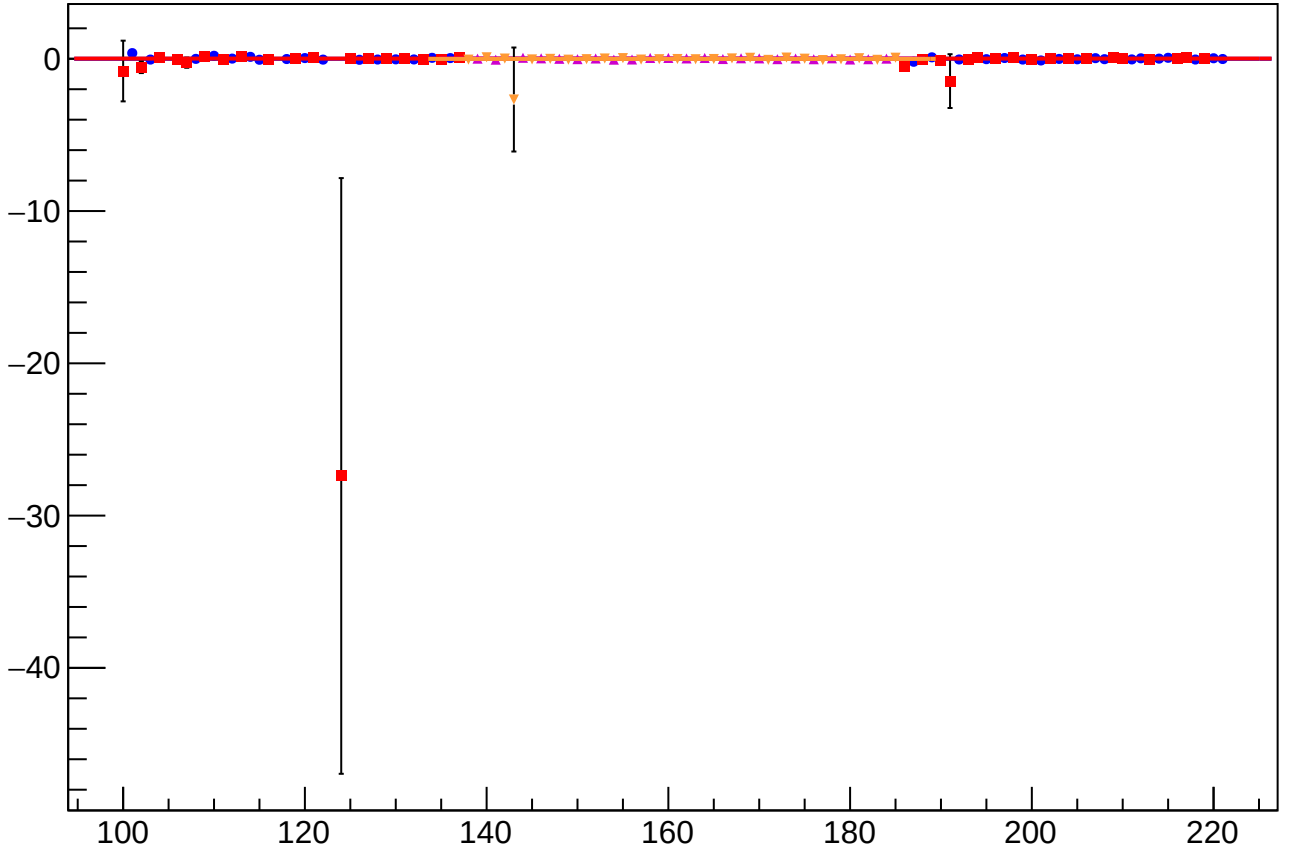
Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 34792093.6/58

All: 0.001+/-0.000 χ^2/NDF: 62891469.2/118

- sign 0.001+/-0.000 χ^2/NDF: 27784470.3/59

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

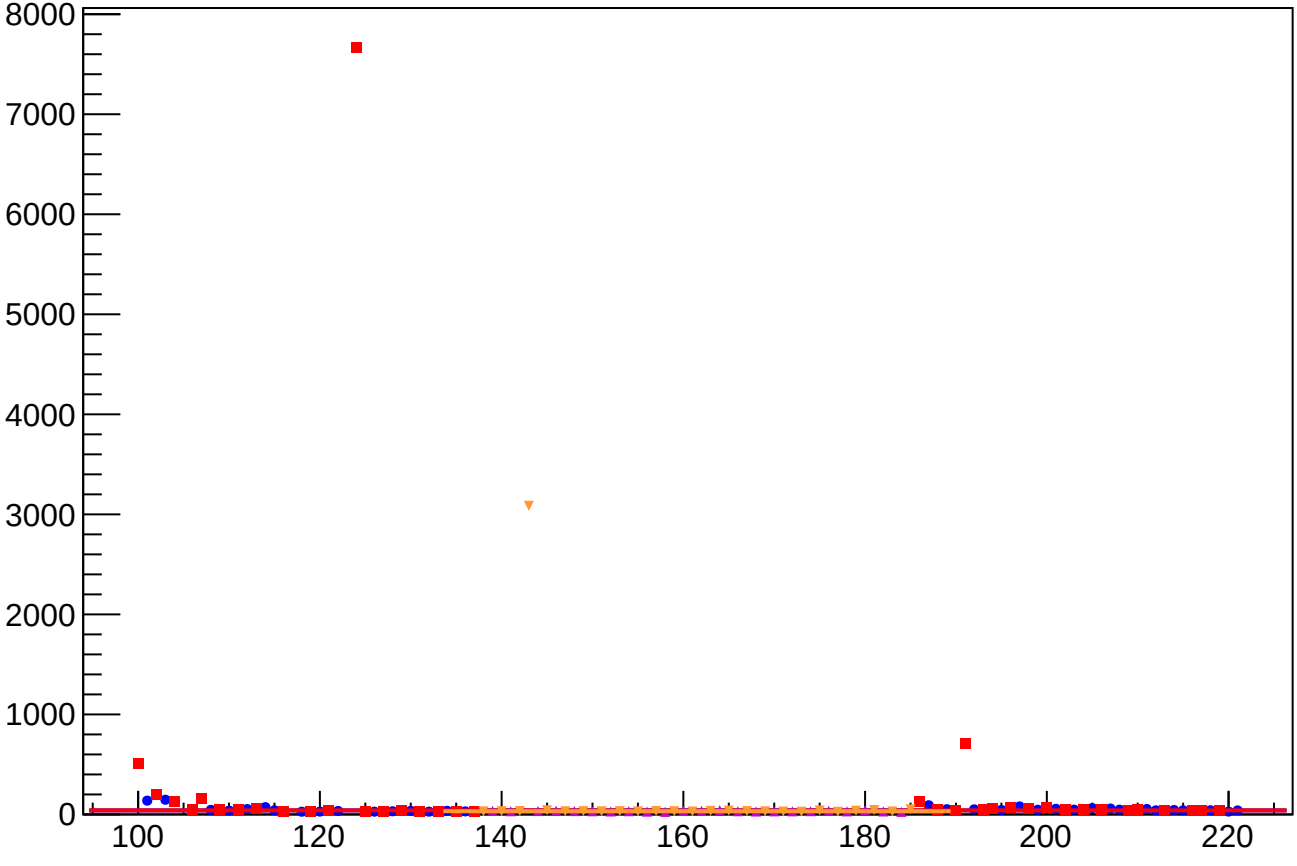
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.000+/-0.005 χ^2/NDF: 127.5/118

- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589804.5/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

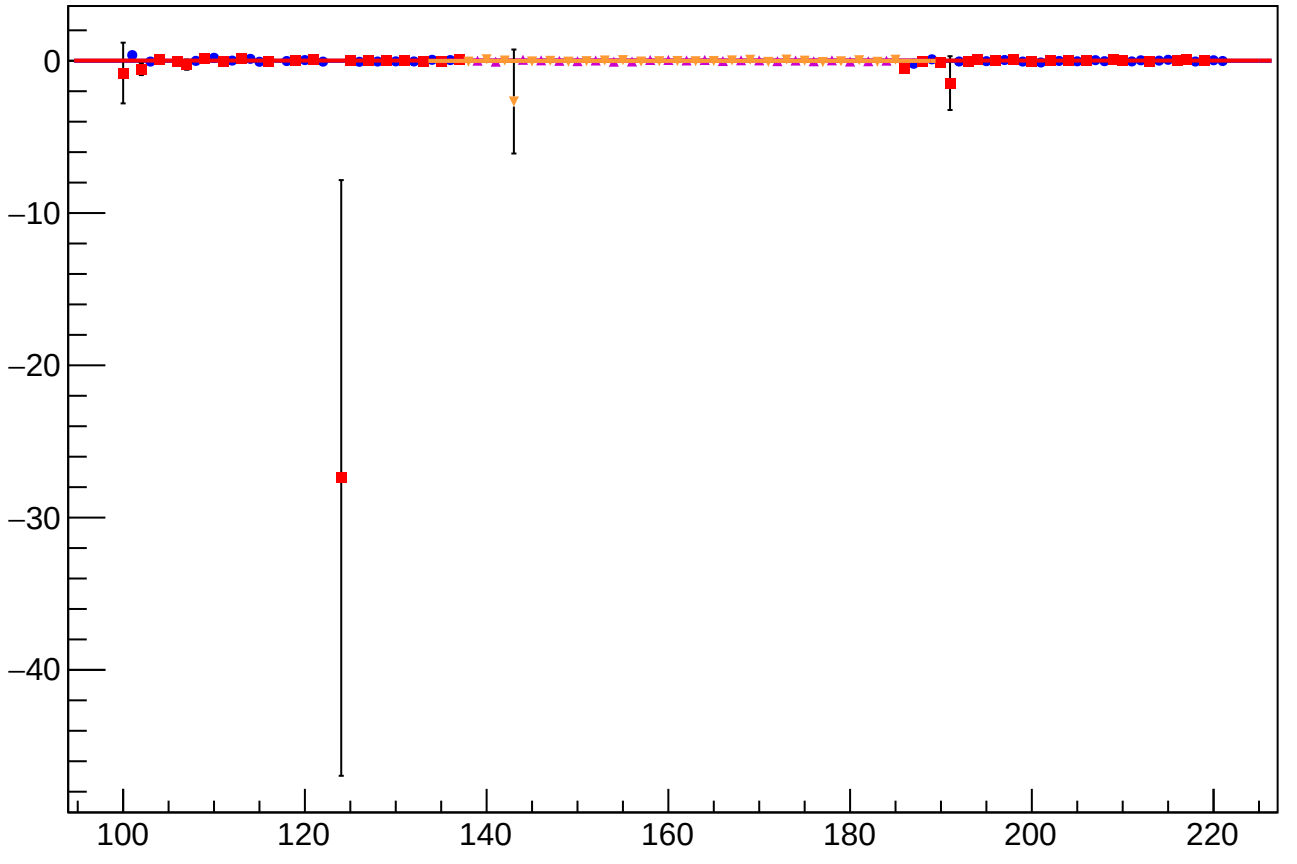
Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.636+/-0.004 χ^2/NDF: 6511933.5/58

All: 35.689+/-0.003 χ^2/NDF: 12116257.4/118

- sign 35.746+/-0.005 χ^2/NDF: 5604023.5/59



Right In: -0.002+/-0.010 χ^2/NDF: 33.8/33

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

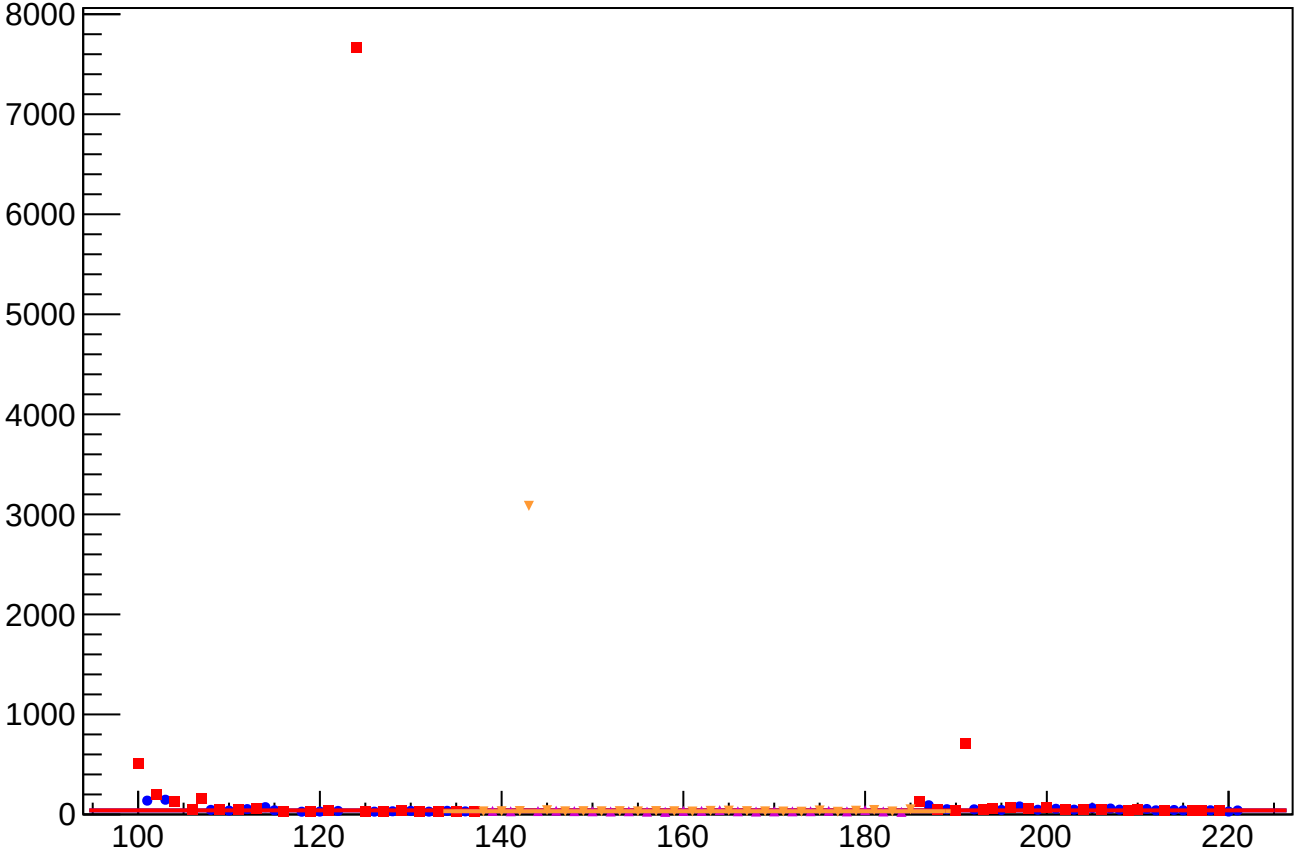
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.006 χ^2/NDF: 73.7/58

All: 0.000+/-0.005 χ^2/NDF: 127.5/118

\- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.359+/-0.007 χ^2/NDF: 3589804.5/33

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

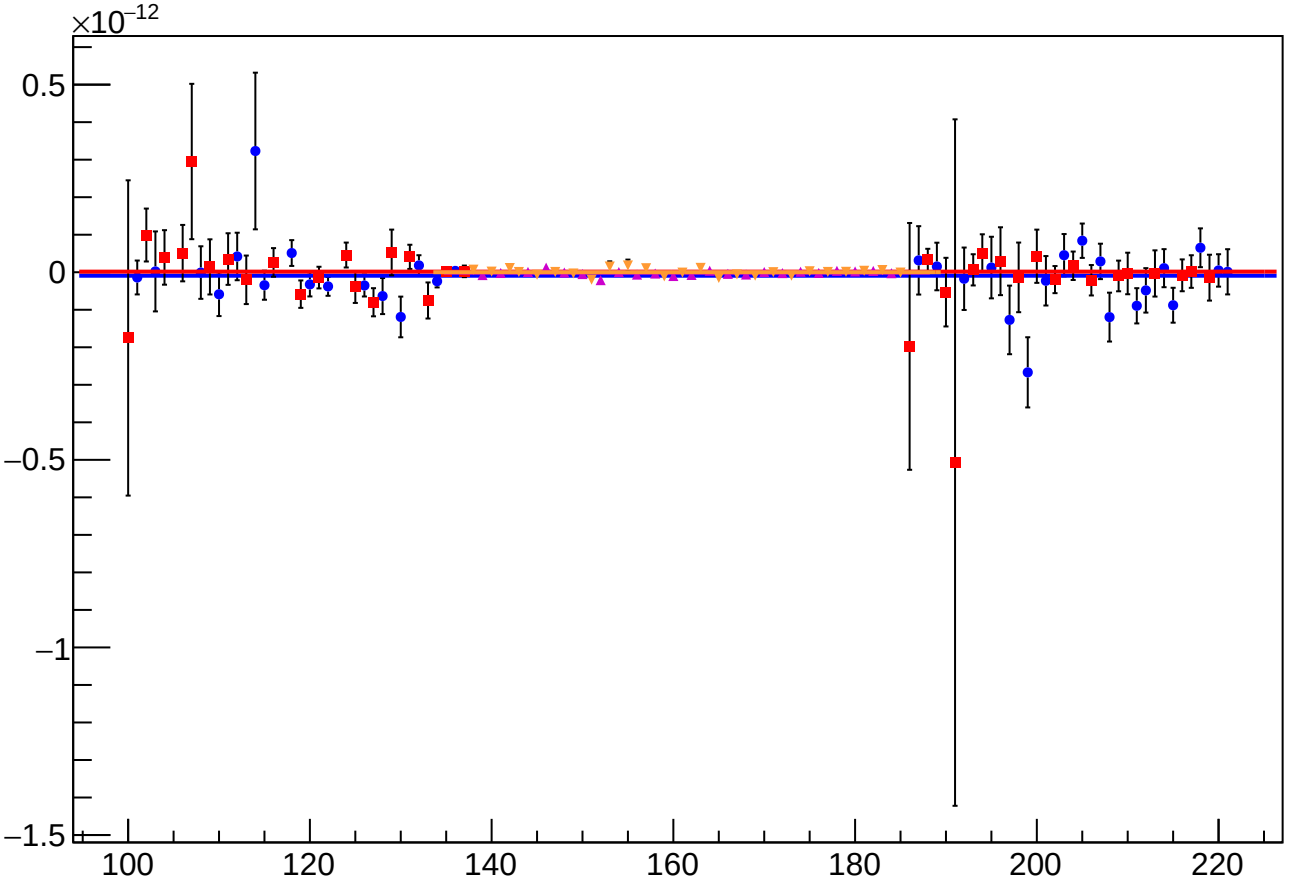
Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.636+/-0.004 χ^2/NDF: 6511933.5/58

All: 35.689+/-0.003 χ^2/NDF: 12116257.4/118

- sign 35.746+/-0.005 χ^2/NDF: 5604023.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/36

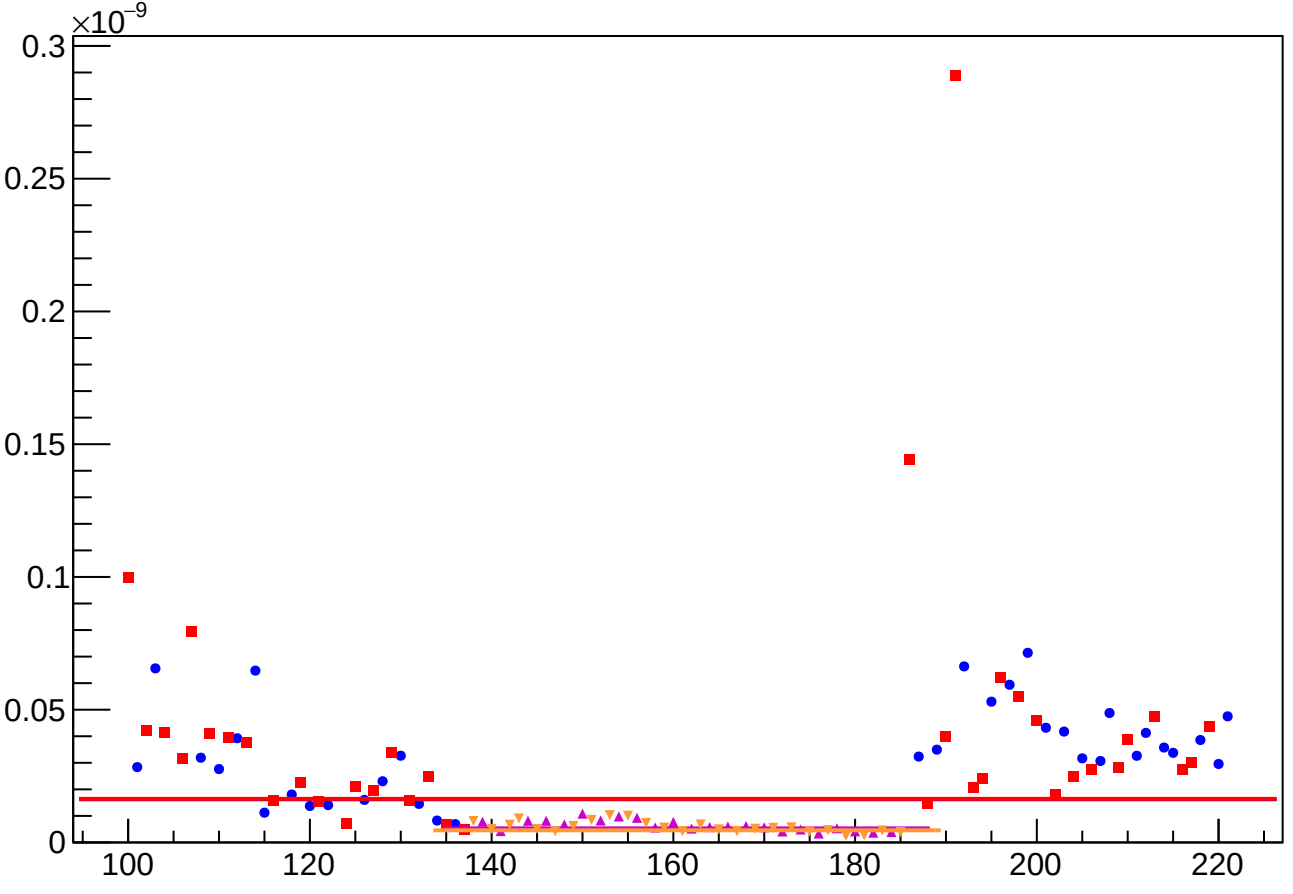
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.7/58

All: -0.000+/-0.000 χ^2/NDF: 104.5/118

- sign -0.000+/-0.000 χ^2/NDF: 34.8/59

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10429902.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8312119.3/36

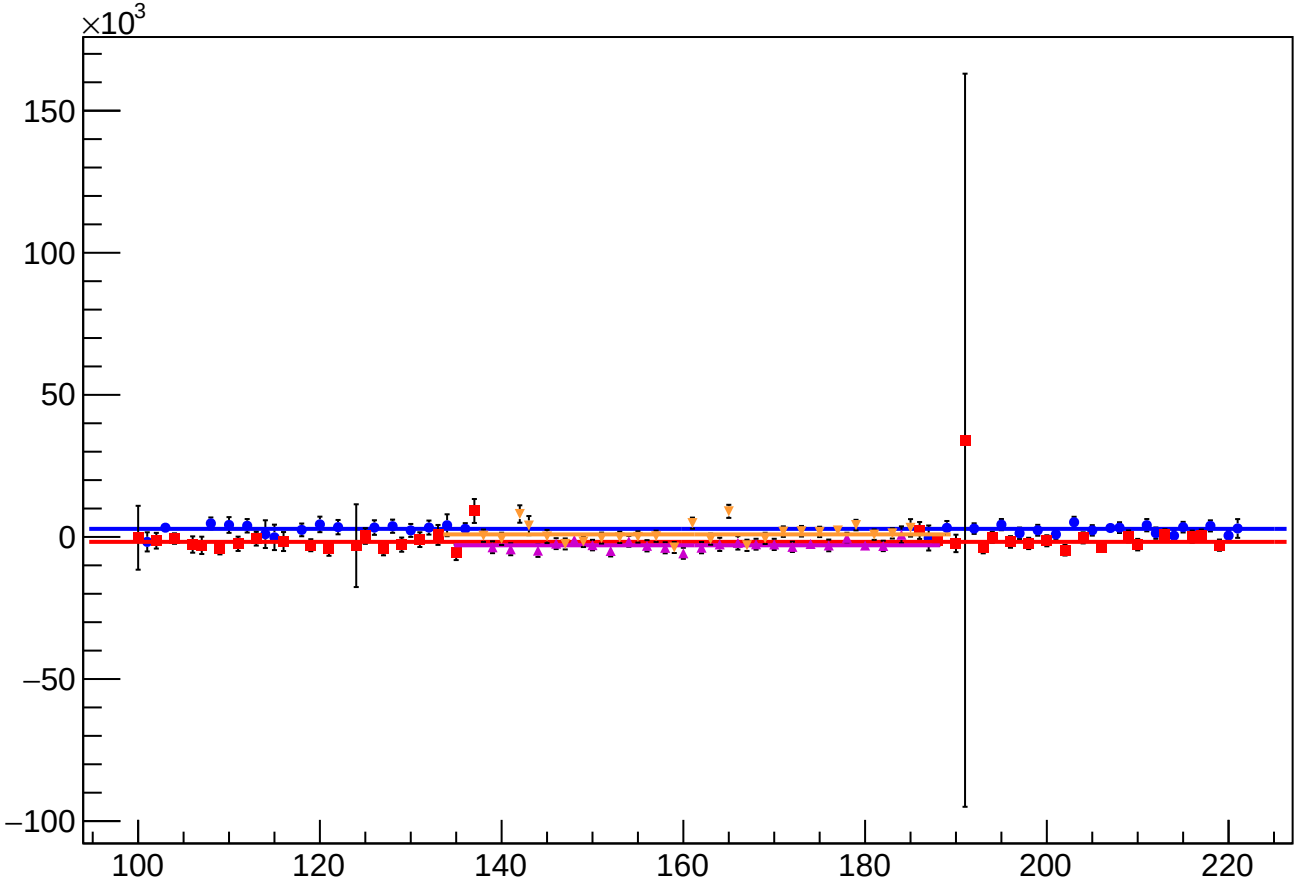
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 20902114.7/58

All: 0.000+/-0.000 χ^2/NDF: 37776274.2/118

- sign 0.000+/-0.000 χ^2/NDF: 16623130.2/59

reg_asym_at2_avg_mean vs Slug



Right In: 2843.181+/-381.027 χ^2/NDF: 13.2/33

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1732.934+/-384.645 χ^2/NDF: 27.7/36

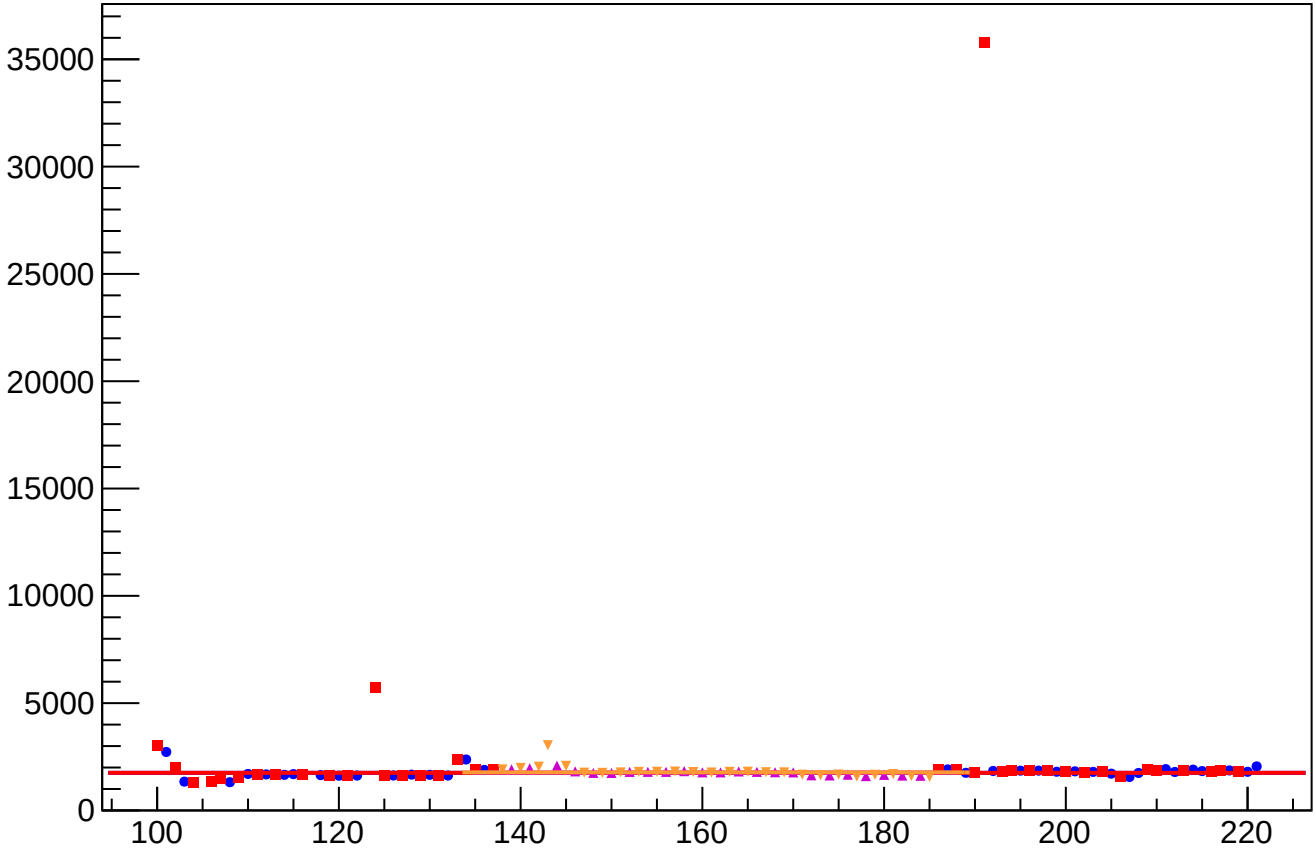
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1931.586+/-277.689 χ^2/NDF: 70.7/58

All: -156.037+/-197.579 χ^2/NDF: 227.9/118

- sign -2296.497+/-281.181 χ^2/NDF: 42.8/59

reg_asym_at2_avg_rms vs Slug



Right In: 1751.942+/-0.269 χ^2/NDF: 558903.5/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.2/36

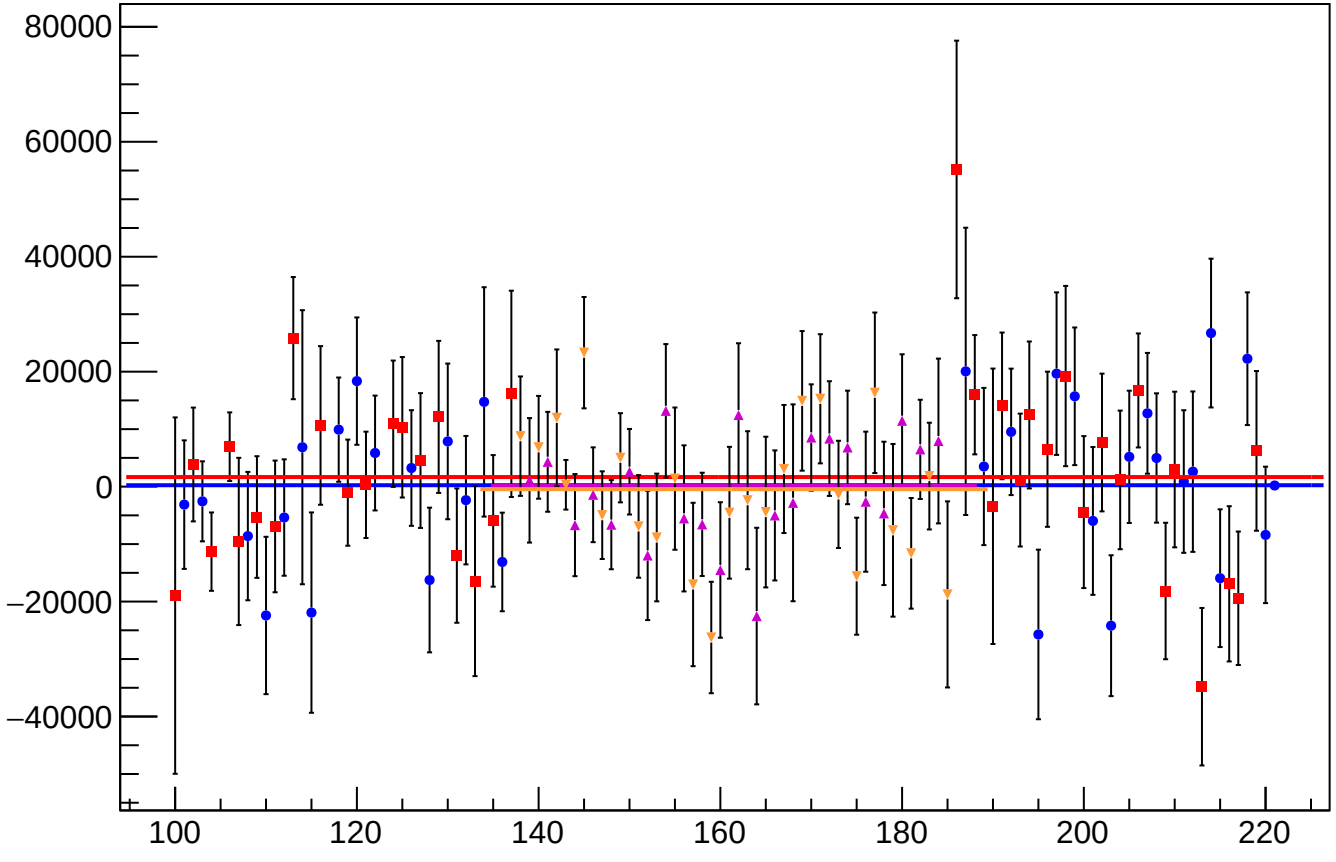
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1762.627+/-0.196 χ^2/NDF: 1009153.5/58

All: 1759.799+/-0.140 χ^2/NDF: 1893908.0/11

- sign 1756.900+/-0.199 χ^2/NDF: 884334.5/59

asym_at2_avg_reg_correction_mean vs Slug



Right In: 241.431+/-657.621 χ^2/NDF: 39.1/33

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1667.094+/-1898.852 χ^2/NDF: 46.4/36

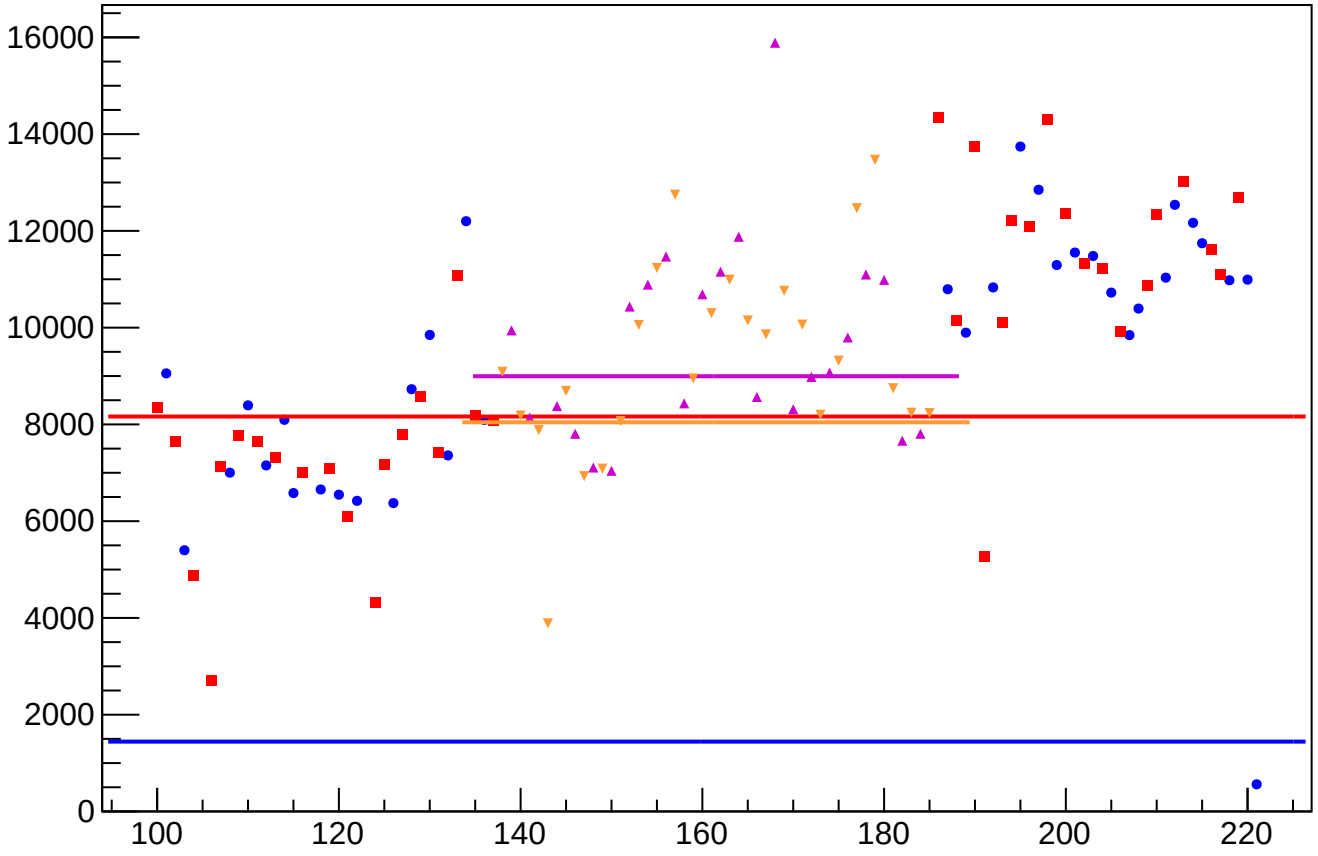
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign 169.907+/-622.330 χ^2/NDF: 68.7/58

All: 303.819+/-570.080 χ^2/NDF: 129.5/118

- sign 1002.341+/-1421.348 χ^2/NDF: 60.5/59

asym_at2_avg_reg_correction_rms vs Slug



Right In: 1443.671+/-0.465 χ^2/NDF: 33552776.4/33

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 8163.324+/-1.343 χ^2/NDF: 5371081.0/36

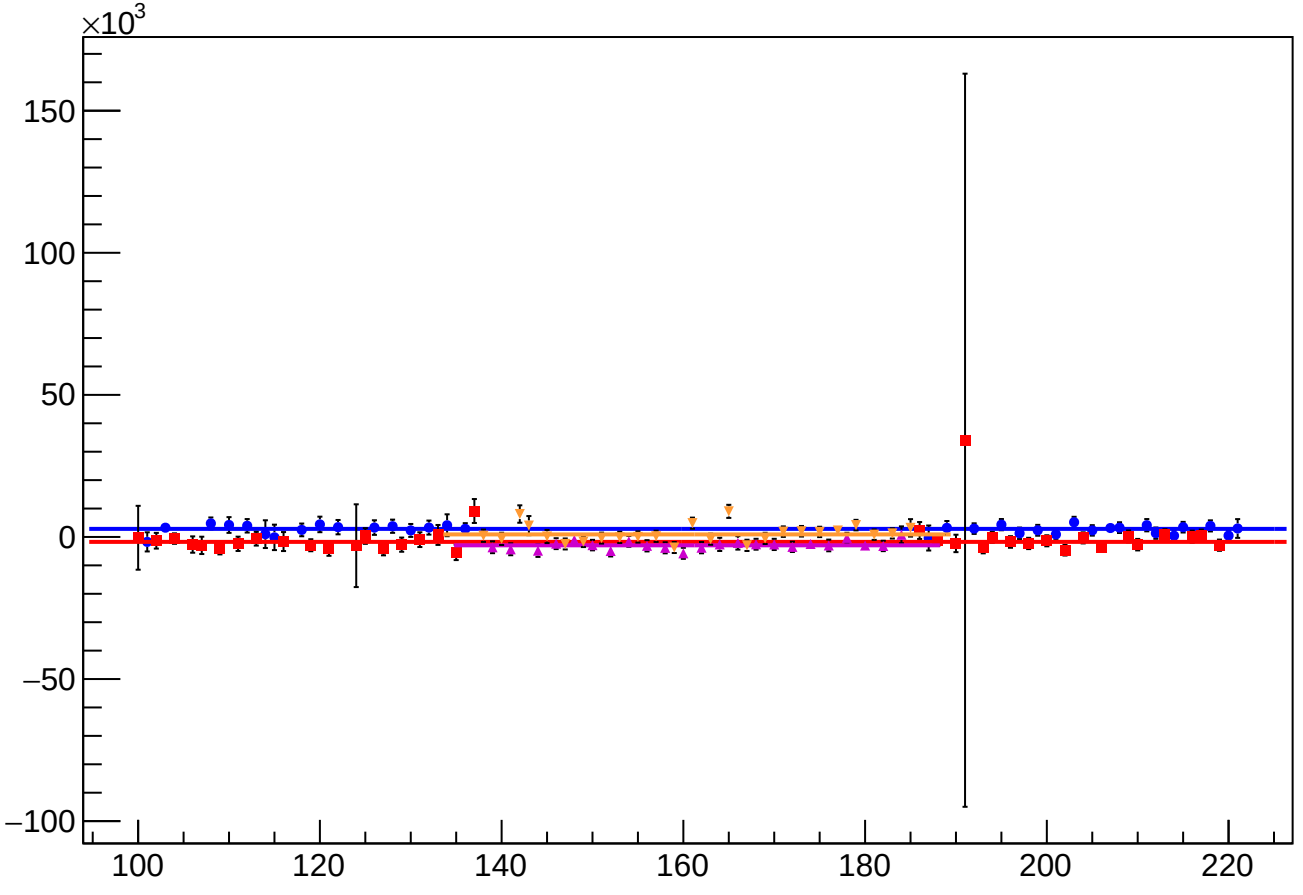
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 2133.056+/-0.440 χ^2/NDF: 57958007.8/58

All: 3162.009+/-0.403 χ^2/NDF: 98691804.3/1

- sign 8529.288+/-1.005 χ^2/NDF: 6747168.6/59

cor_asym_at2_avg_mean vs Slug



Right In: 2843.196+/-381.027 χ^2/NDF: 13.2/33

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1732.907+/-384.645 χ^2/NDF: 27.7/36

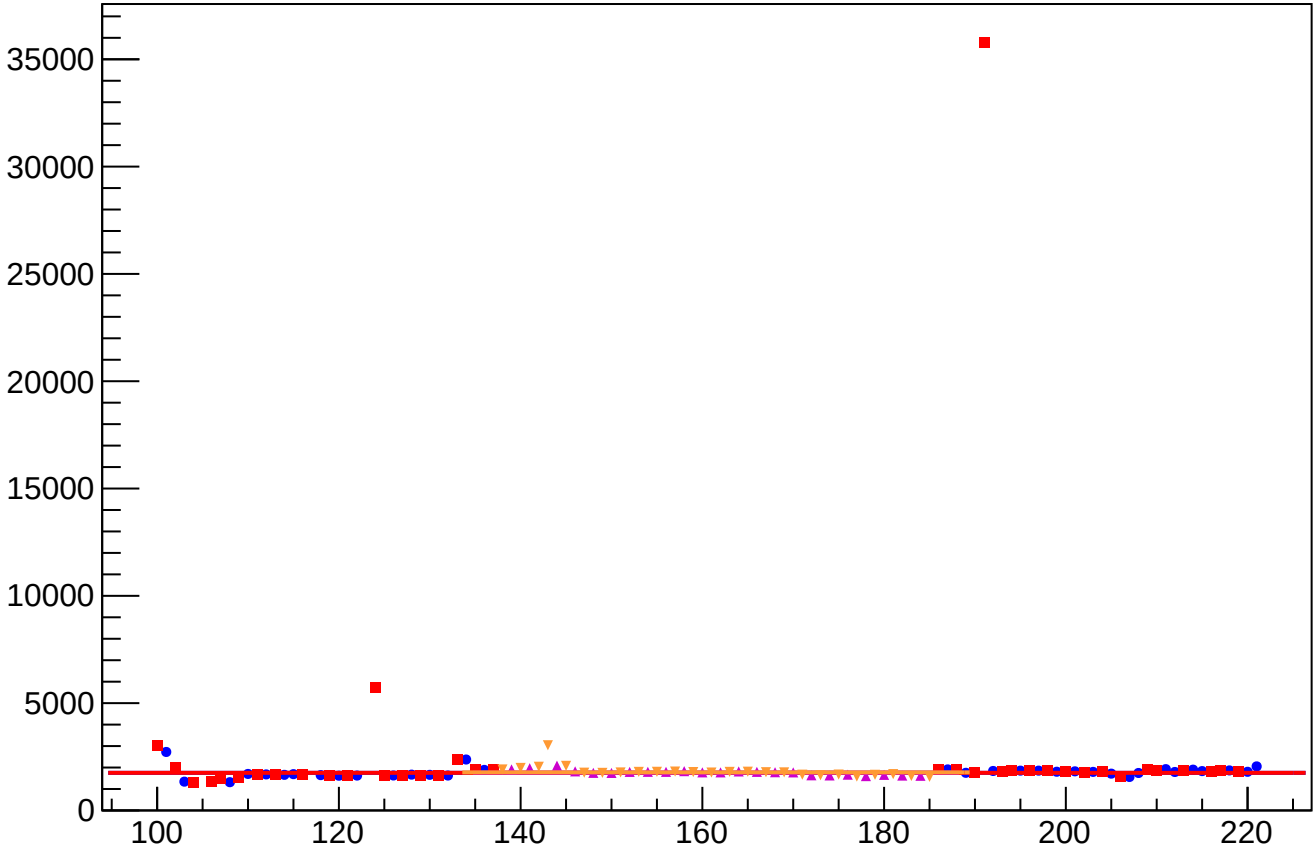
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1931.557+/-277.689 χ^2/NDF: 70.7/58

All: -156.019+/-197.579 χ^2/NDF: 227.9/118

- sign -2296.430+/-281.181 χ^2/NDF: 42.8/59

cor_asym_at2_avg_rms vs Slug



Right In: 1751.942+/-0.269 χ^2/NDF: 558904.0/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

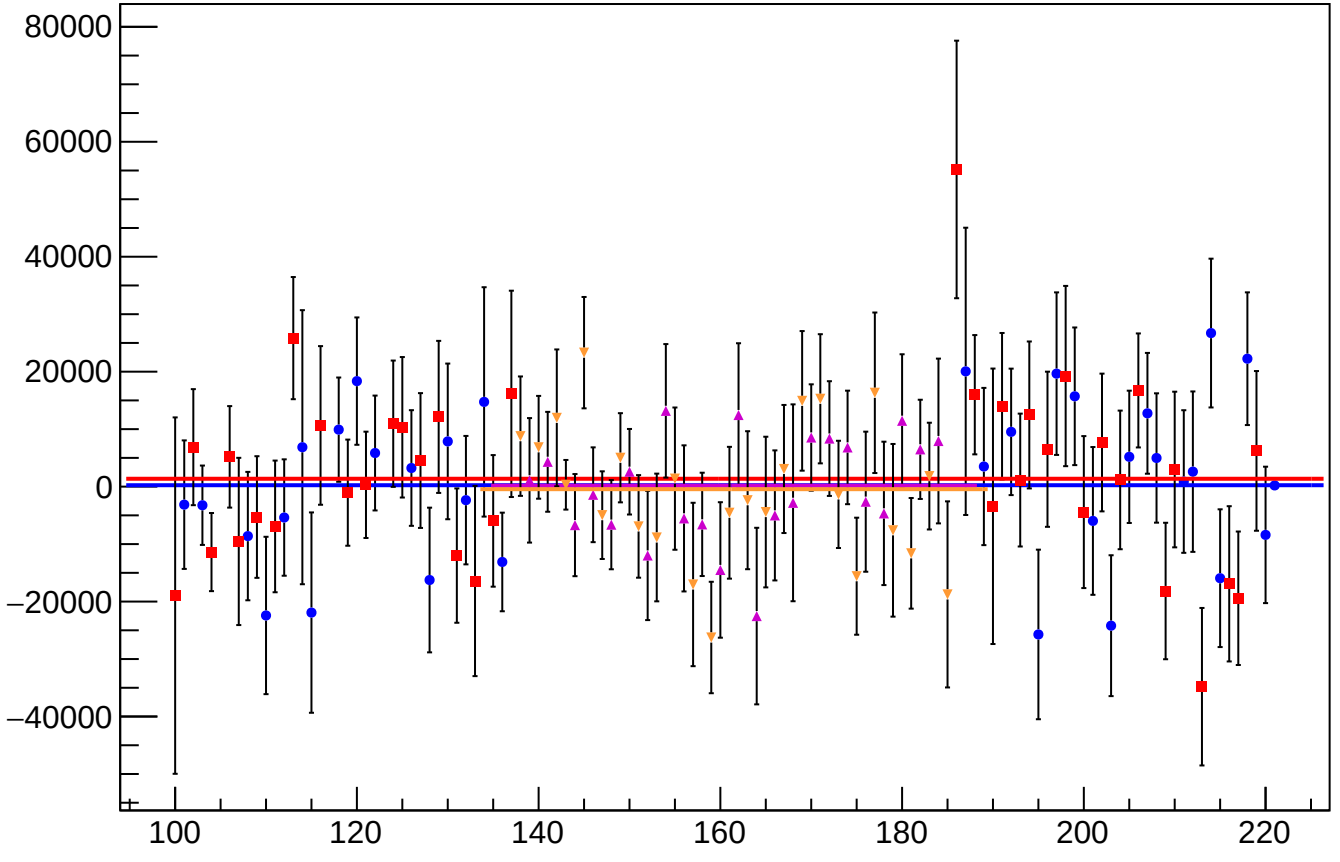
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1762.627+/-0.196 χ^2/NDF: 1009153.9/58

All: 1759.799+/-0.140 χ^2/NDF: 1893908.7/11

- sign 1756.900+/-0.199 χ^2/NDF: 884334.7/59

asym_at2_avg_cor_correction_mean vs Slug



Right In: 243.898+/-658.120 χ^2/NDF: 39.2/33

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

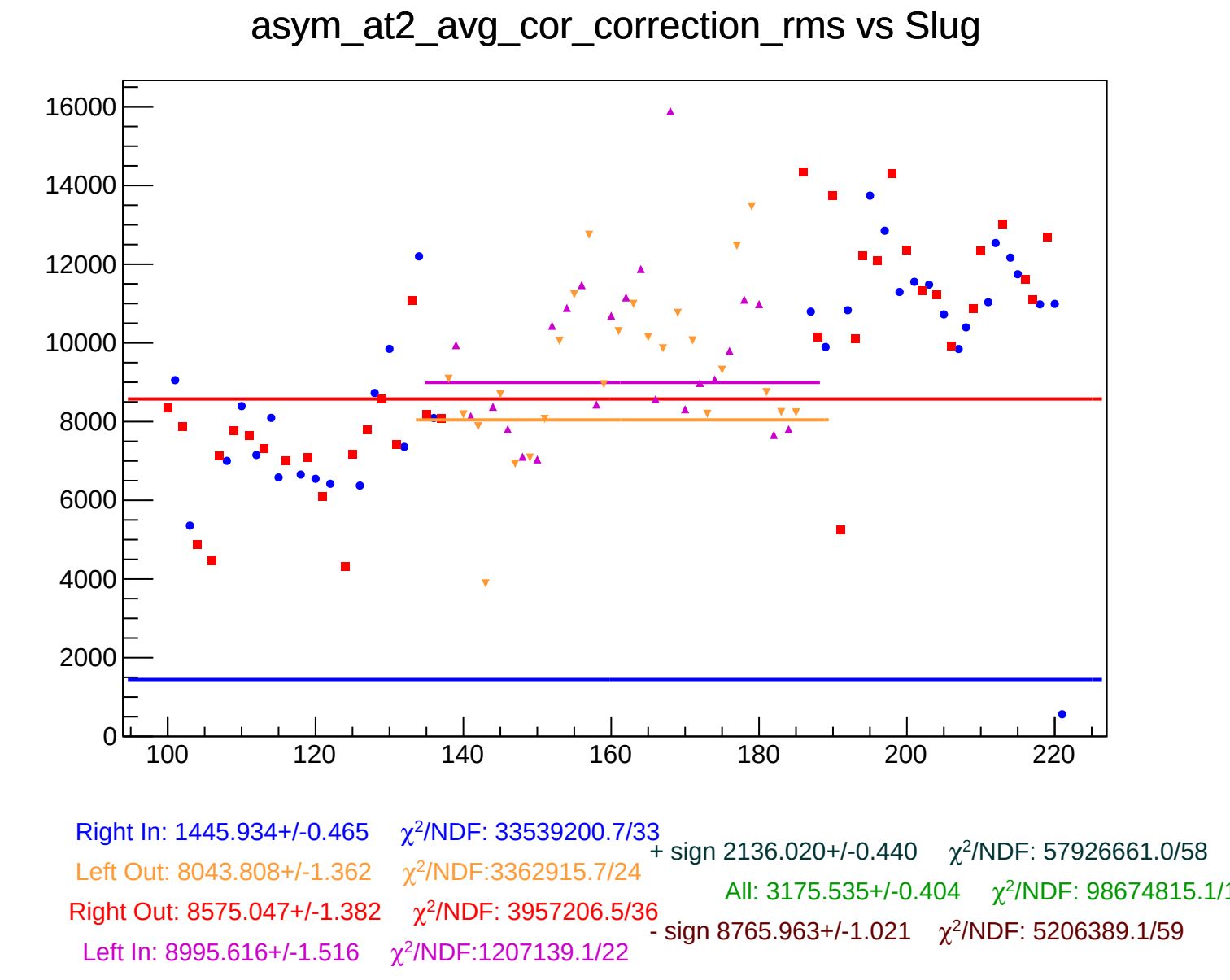
Right Out: 1368.392+/-1954.366 χ^2/NDF: 46.0/36

Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

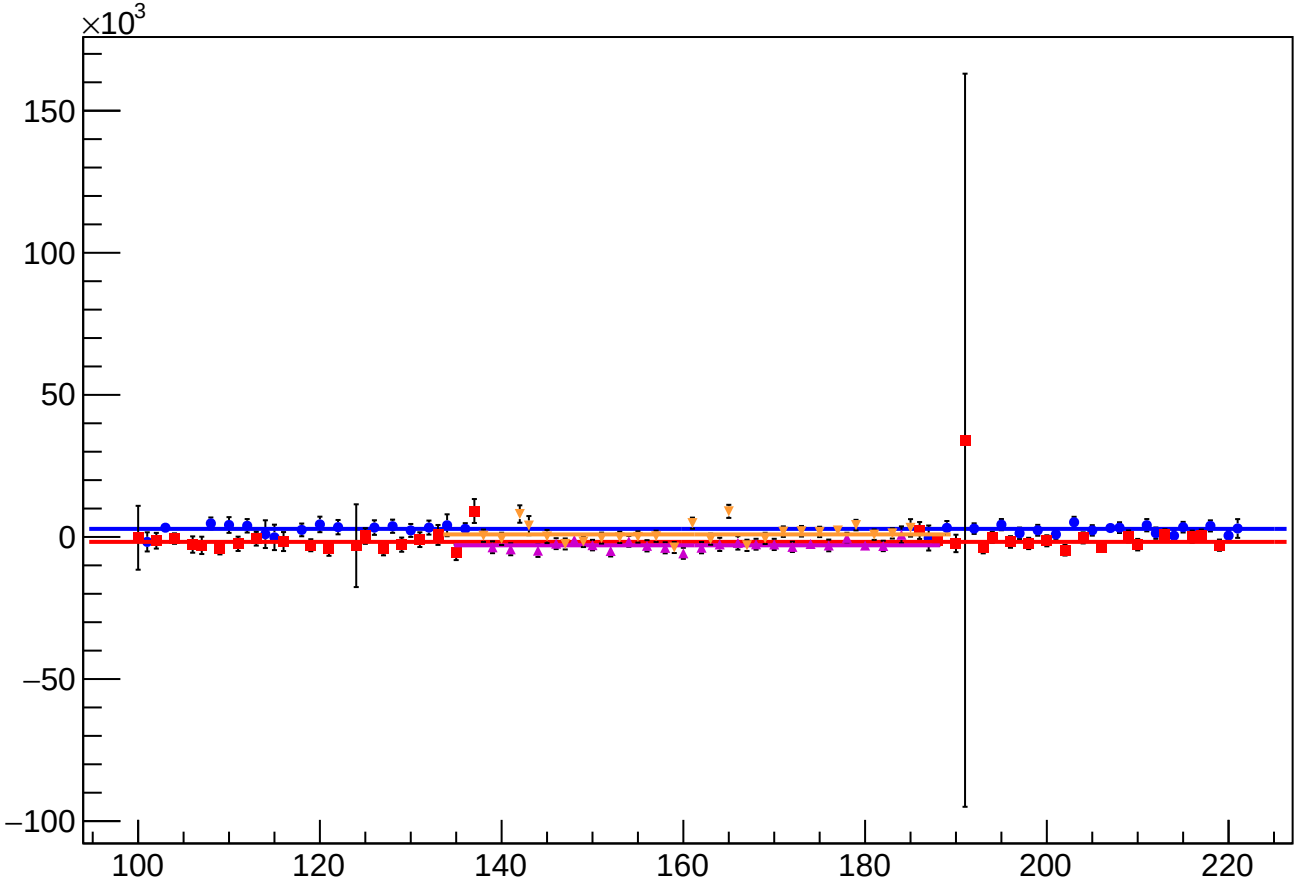
+ sign 172.013+/-622.753 χ^2/NDF: 68.8/58

All: 273.249+/-571.852 χ^2/NDF: 129.0/118

- sign 817.685+/-1444.187 χ^2/NDF: 60.0/59


asym_at2_avg_cor_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
220
Right In: 1445.934+/-0.465 χ²/NDF: 33539200.7/33
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8575.047+/-1.382 χ²/NDF: 3957206.5/36
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
+ sign 2136.020+/-0.440 χ²/NDF: 57926661.0/58
All: 3175.535+/-0.404 χ²/NDF: 98674815.1/1
- sign 8765.963+/-1.021 χ²/NDF: 5206389.1/59

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2843.196+/-381.027 χ^2/NDF: 13.2/33

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1732.907+/-384.645 χ^2/NDF: 27.7/36

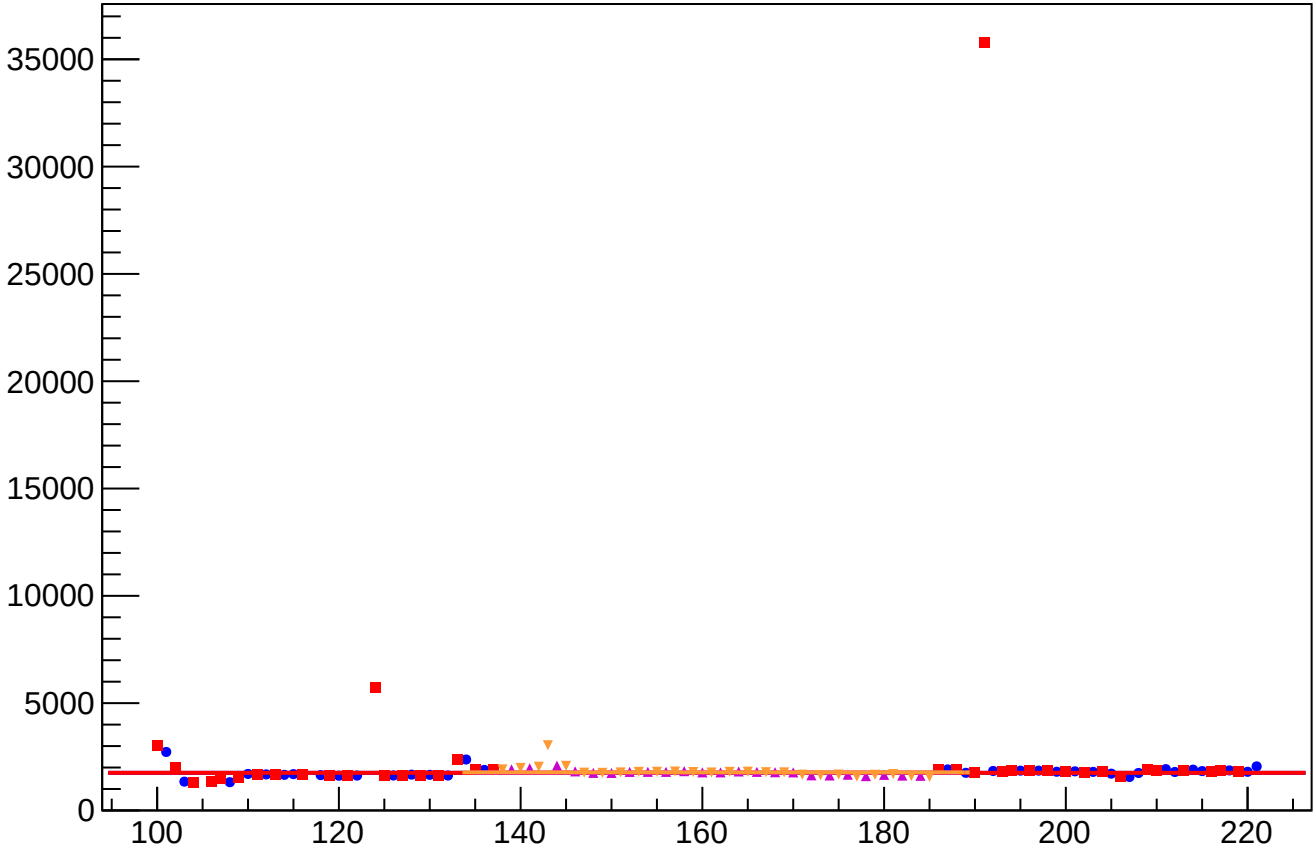
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1931.557+/-277.689 χ^2/NDF: 70.7/58

All: -156.019+/-197.579 χ^2/NDF: 227.9/118

- sign -2296.430+/-281.181 χ^2/NDF: 42.8/59

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1751.942+/-0.269 χ^2/NDF: 558904.0/33

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

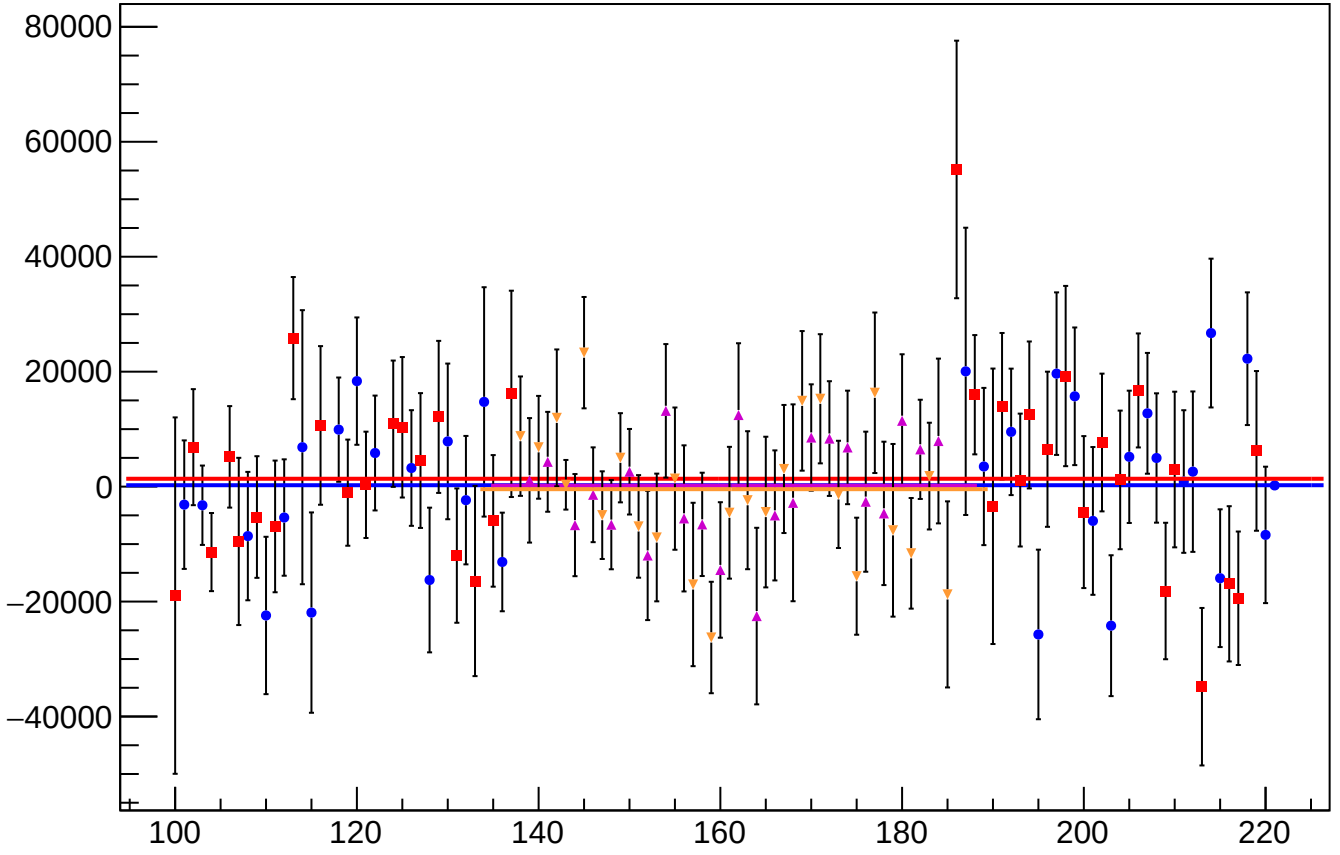
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1762.627+/-0.196 χ^2/NDF: 1009153.9/58

All: 1759.799+/-0.140 χ^2/NDF: 1893908.7/11

- sign 1756.900+/-0.199 χ^2/NDF: 884334.7/59

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 243.898+/-658.120 χ^2/NDF: 39.2/33

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1368.392+/-1954.366 χ^2/NDF: 46.0/36

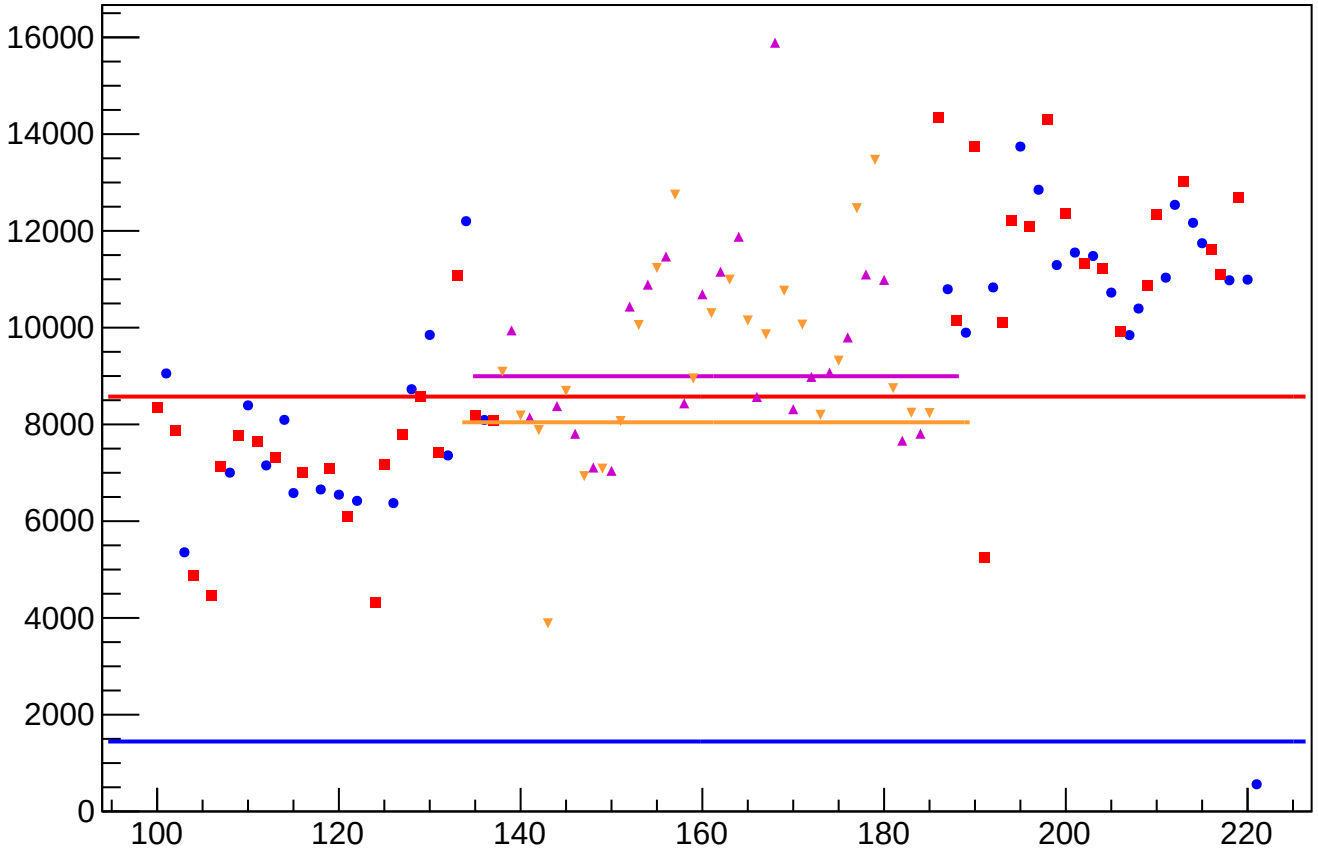
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 172.013+/-622.753 χ^2/NDF: 68.8/58

All: 273.249+/-571.852 χ^2/NDF: 129.0/118

- sign 817.685+/-1444.187 χ^2/NDF: 60.0/59

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 1445.934+/-0.465 χ^2/NDF: 33539200.7/33

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8575.047+/-1.382 χ^2/NDF: 3957206.5/36

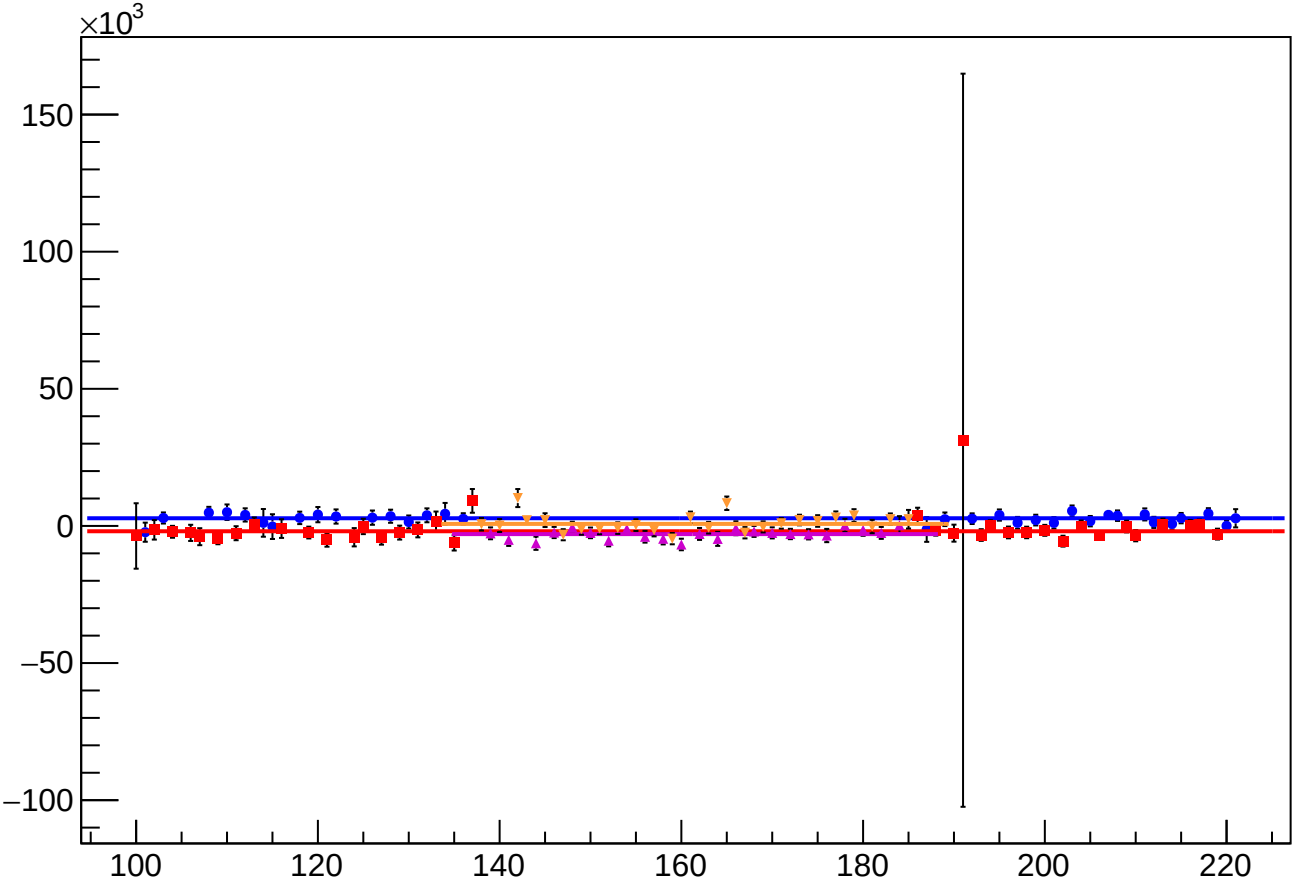
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 2136.020+/-0.440 χ^2/NDF: 57926661.0/58

All: 3175.535+/-0.404 χ^2/NDF: 98674815.1/1

- sign 8765.963+/-1.021 χ^2/NDF: 5206389.1/59

dit_asym_at2_avg_mean vs Slug



Right In: 2800.783+/-392.137 χ^2/NDF: 15.7/33

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -1940.557+/-394.824 χ^2/NDF: 32.2/36

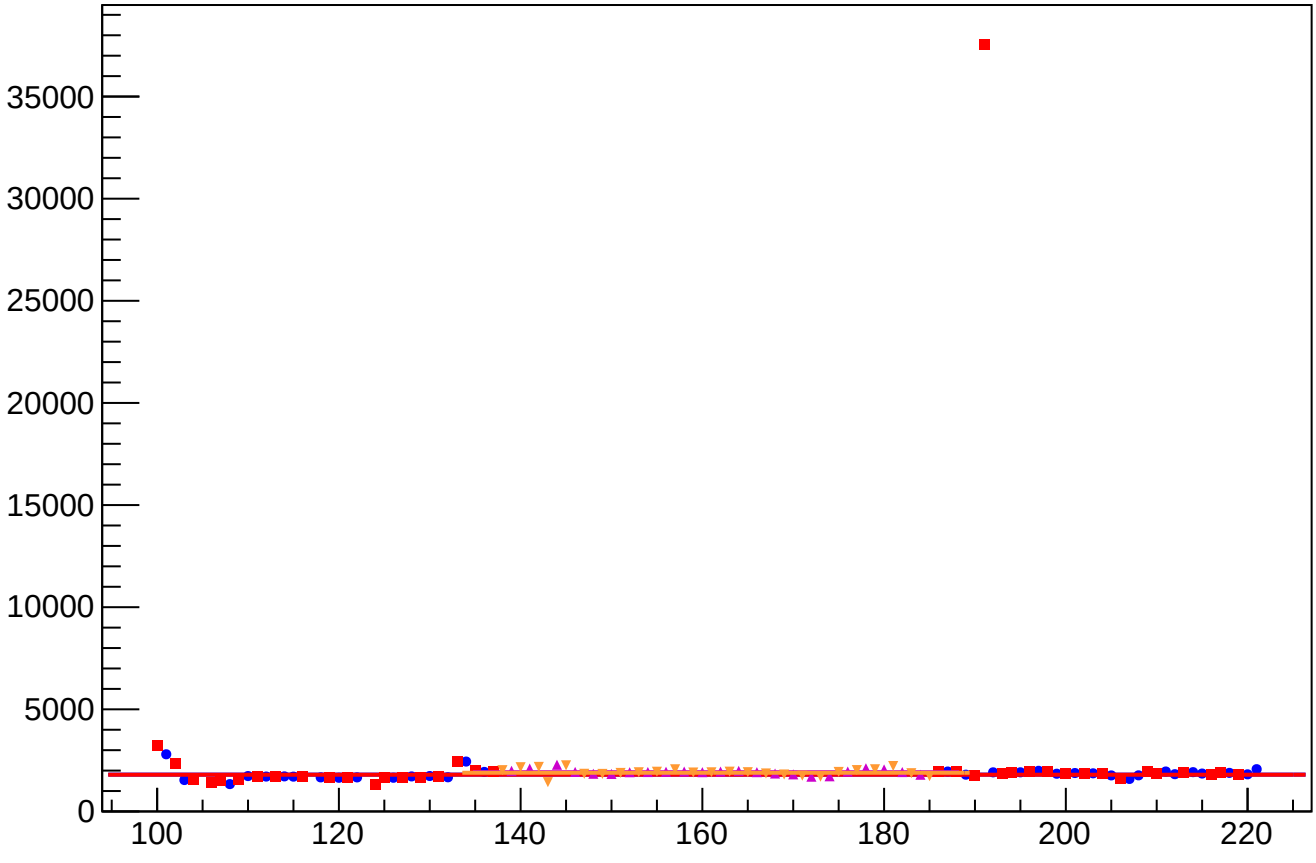
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1871.472+/-290.622 χ^2/NDF: 69.8/58

All: -214.835+/-207.678 χ^2/NDF: 225.9/118

- sign -2391.964+/-296.880 χ^2/NDF: 50.8/59

dit_asym_at2_avg_rms vs Slug



Right In: 1803.731+/-0.277 χ^2/NDF: 497046.3/33

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591603.0/36

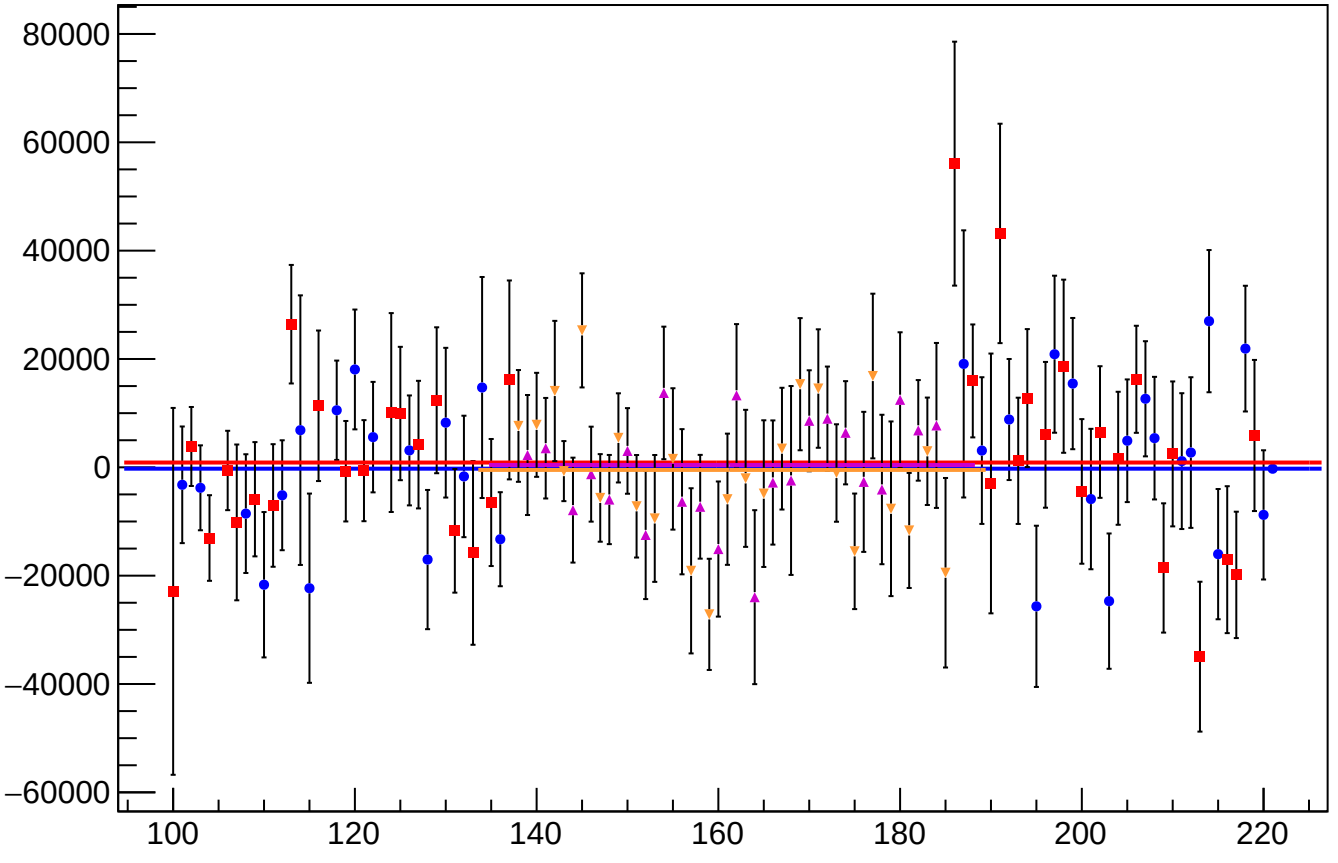
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1844.727+/-0.206 χ^2/NDF: 914130.3/58

All: 1848.568+/-0.147 χ^2/NDF: 1744016.0/11

- sign 1852.575+/-0.210 χ^2/NDF: 829172.0/59

asym_at2_avg_dit_correction_mean vs Slug



Right In: -251.070+/-228.282 χ^2/NDF: 39.0/33

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 884.684+/-1962.576 χ^2/NDF: 48.2/36

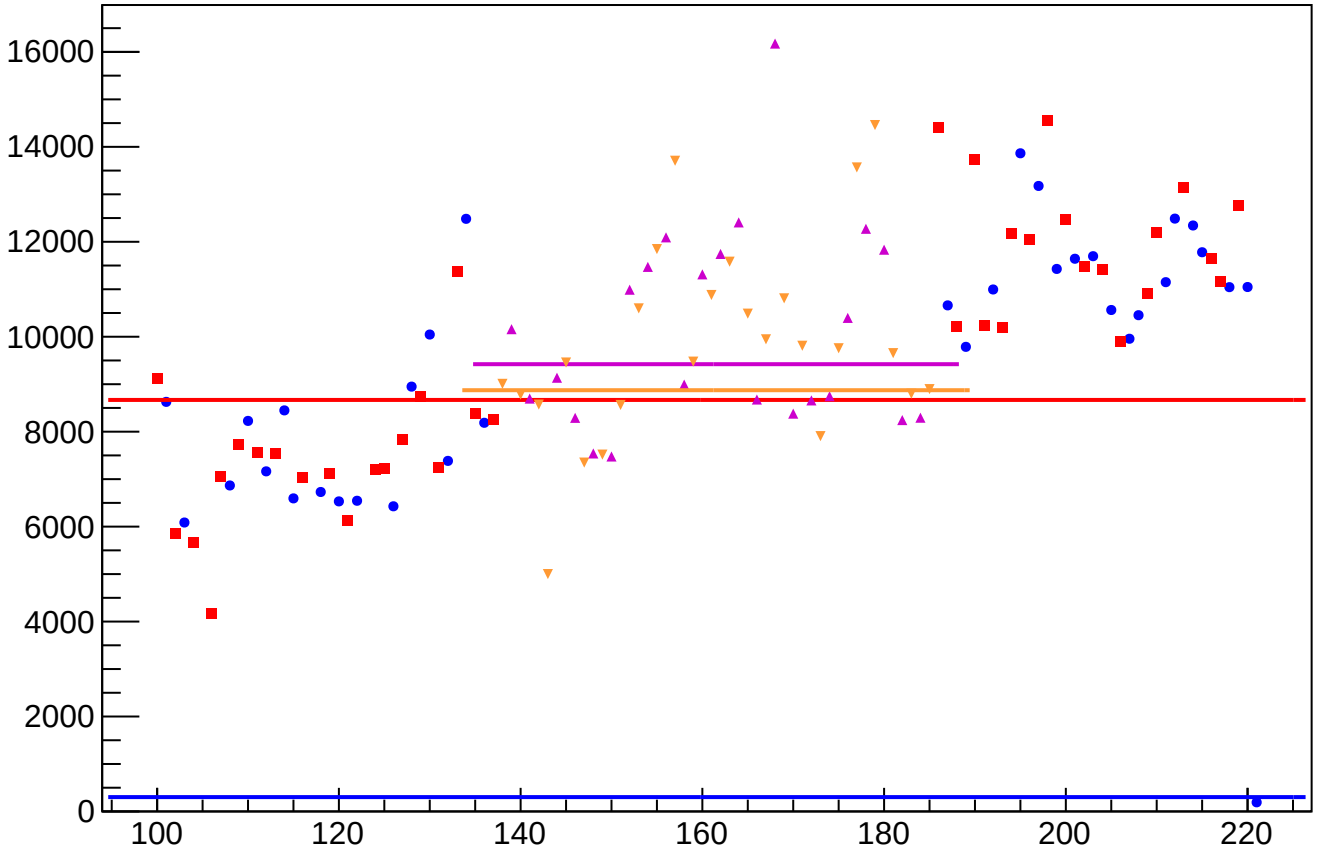
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -253.763+/-226.932 χ^2/NDF: 67.8/58

All: -232.001+/-224.302 χ^2/NDF: 130.0/118

- sign 690.652+/-1477.627 χ^2/NDF: 61.8/59

asym_at2_avg_dit_correction_rms vs Slug



Right In: 302.374+/-0.161 χ^2/NDF: 39765836.2/33

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8668.636+/-1.388 χ^2/NDF: 3821519.5/36

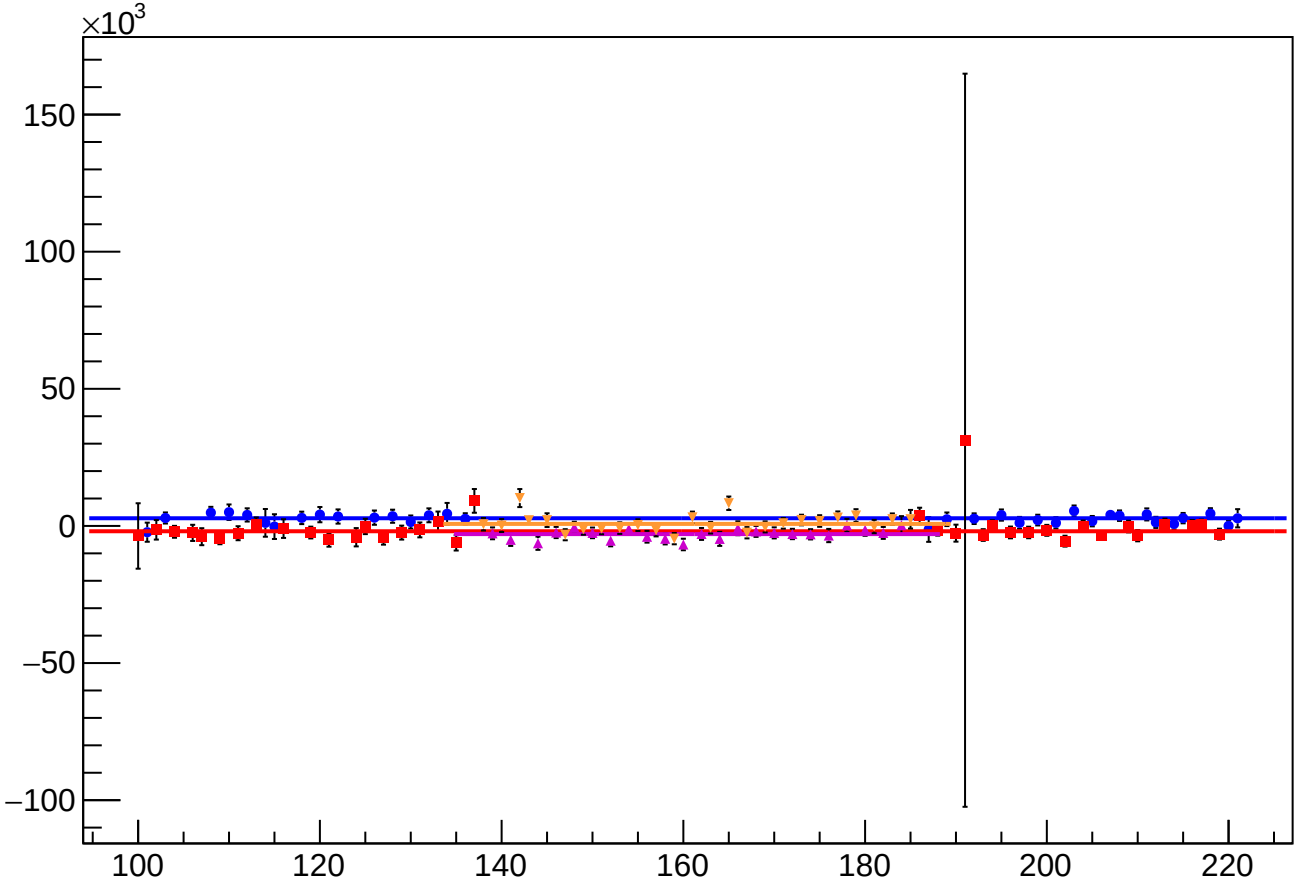
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 403.499+/-0.160 χ^2/NDF: 75233981.0/58

All: 601.468+/-0.159 χ^2/NDF: 146441383.2/1

- sign 8994.821+/-1.045 χ^2/NDF: 5153916.6/59

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2800.777+/-392.137 χ^2/NDF: 15.7/33

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -1940.556+/-394.824 χ^2/NDF: 32.2/36

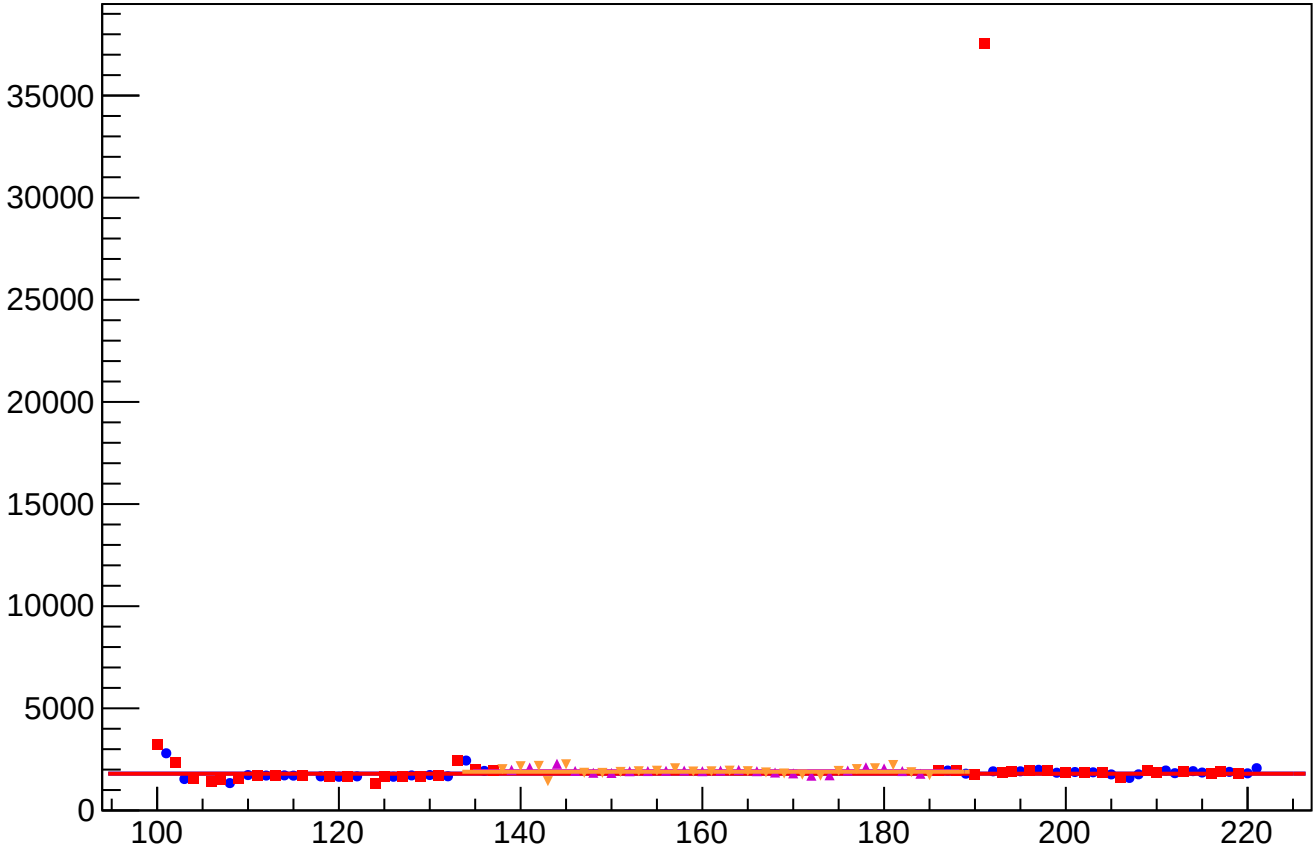
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1871.465+/-290.622 χ^2/NDF: 69.8/58

All: -214.838+/-207.678 χ^2/NDF: 225.9/118

- sign -2391.963+/-296.880 χ^2/NDF: 50.8/59

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1803.731+/-0.277 χ^2/NDF: 497046.9/33

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591604.4/36

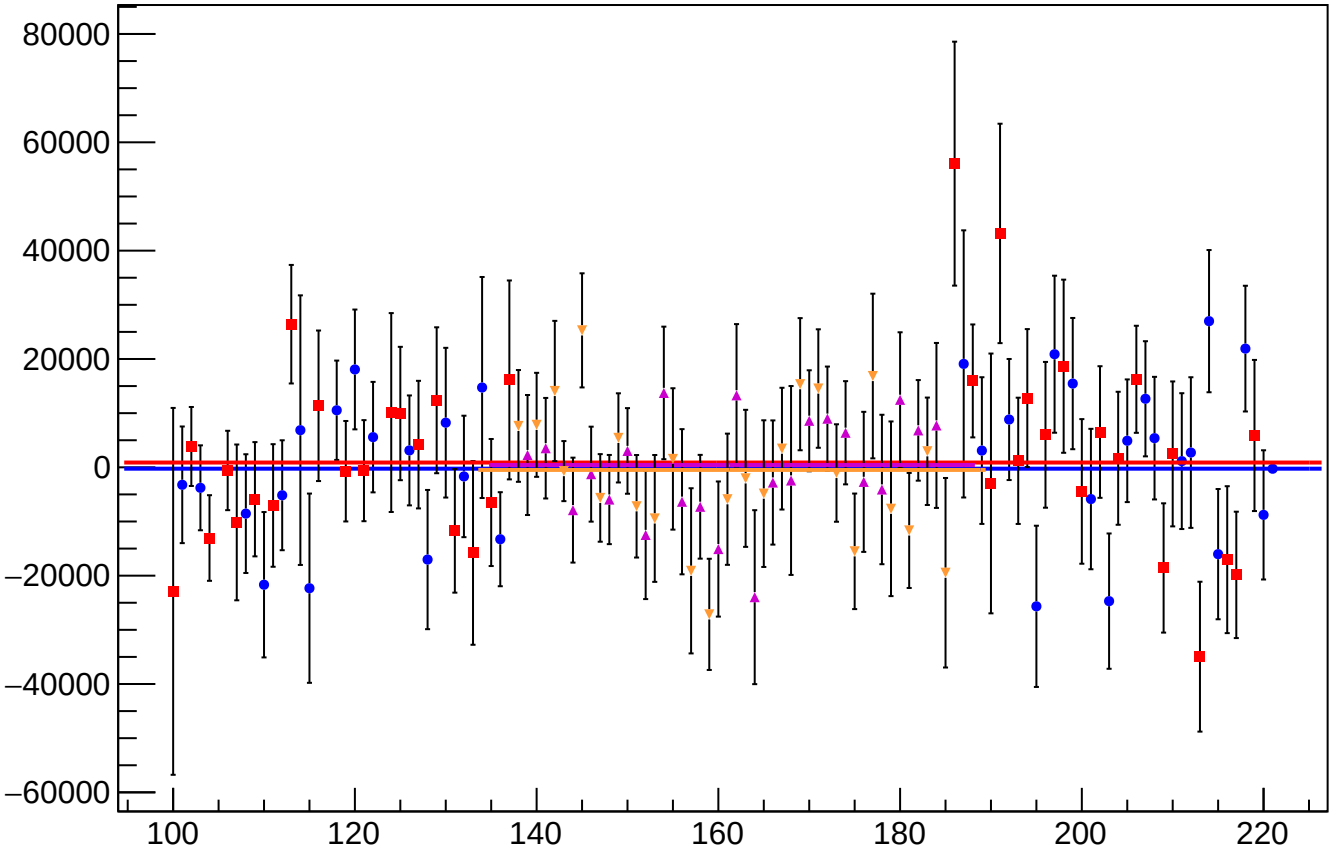
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1844.728+/-0.206 χ^2/NDF: 914141.8/58

All: 1848.569+/-0.147 χ^2/NDF: 1744040.9/11

- sign 1852.576+/-0.210 χ^2/NDF: 829185.3/59

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -251.080+/-228.283 χ^2/NDF: 39.0/33

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 884.674+/-1962.575 χ^2/NDF: 48.2/36

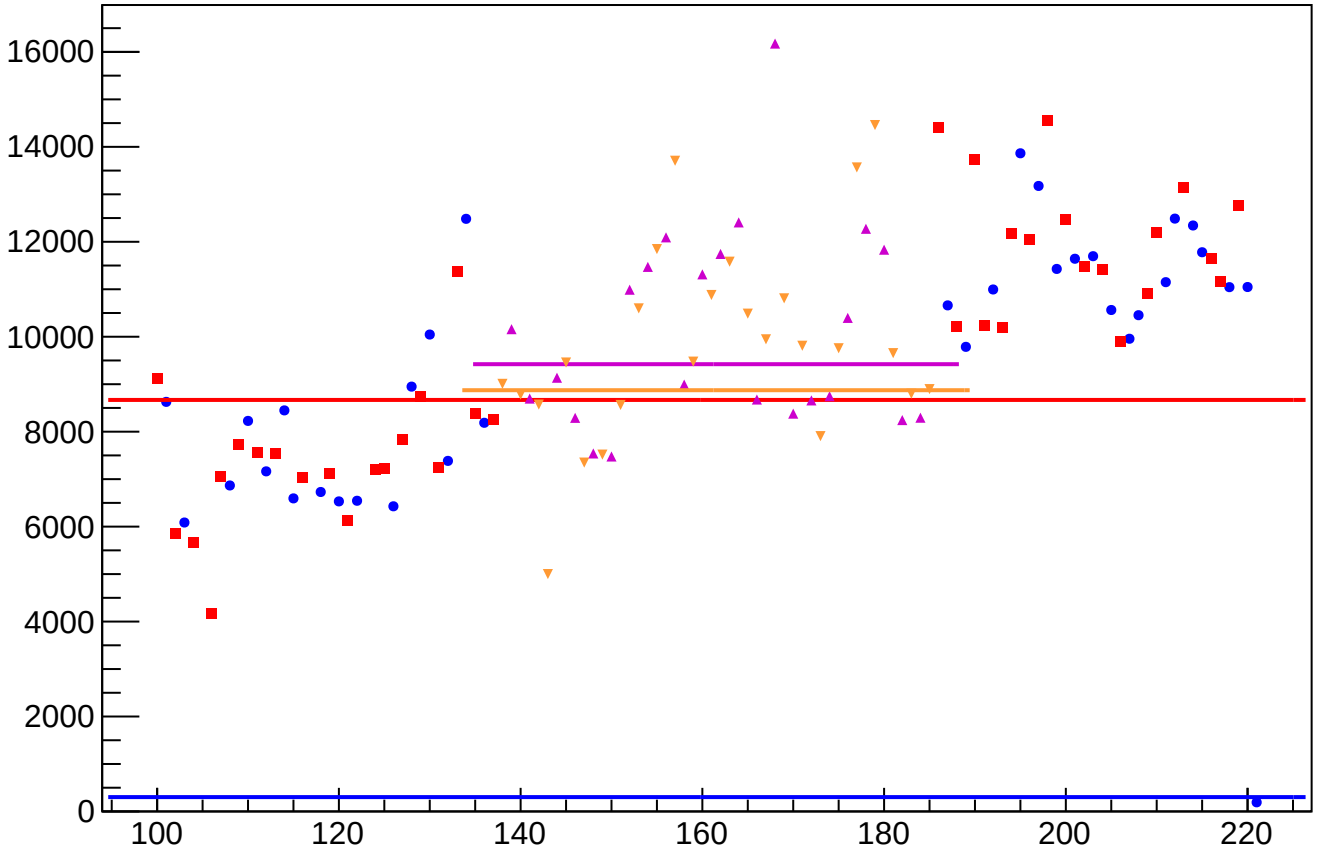
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -253.773+/-226.932 χ^2/NDF: 67.8/58

All: -232.011+/-224.302 χ^2/NDF: 130.0/118

- sign 690.648+/-1477.627 χ^2/NDF: 61.8/59

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 302.375+/-0.161 χ^2/NDF: 39765833.2/33

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8668.625+/-1.388 χ^2/NDF: 3821552.6/36

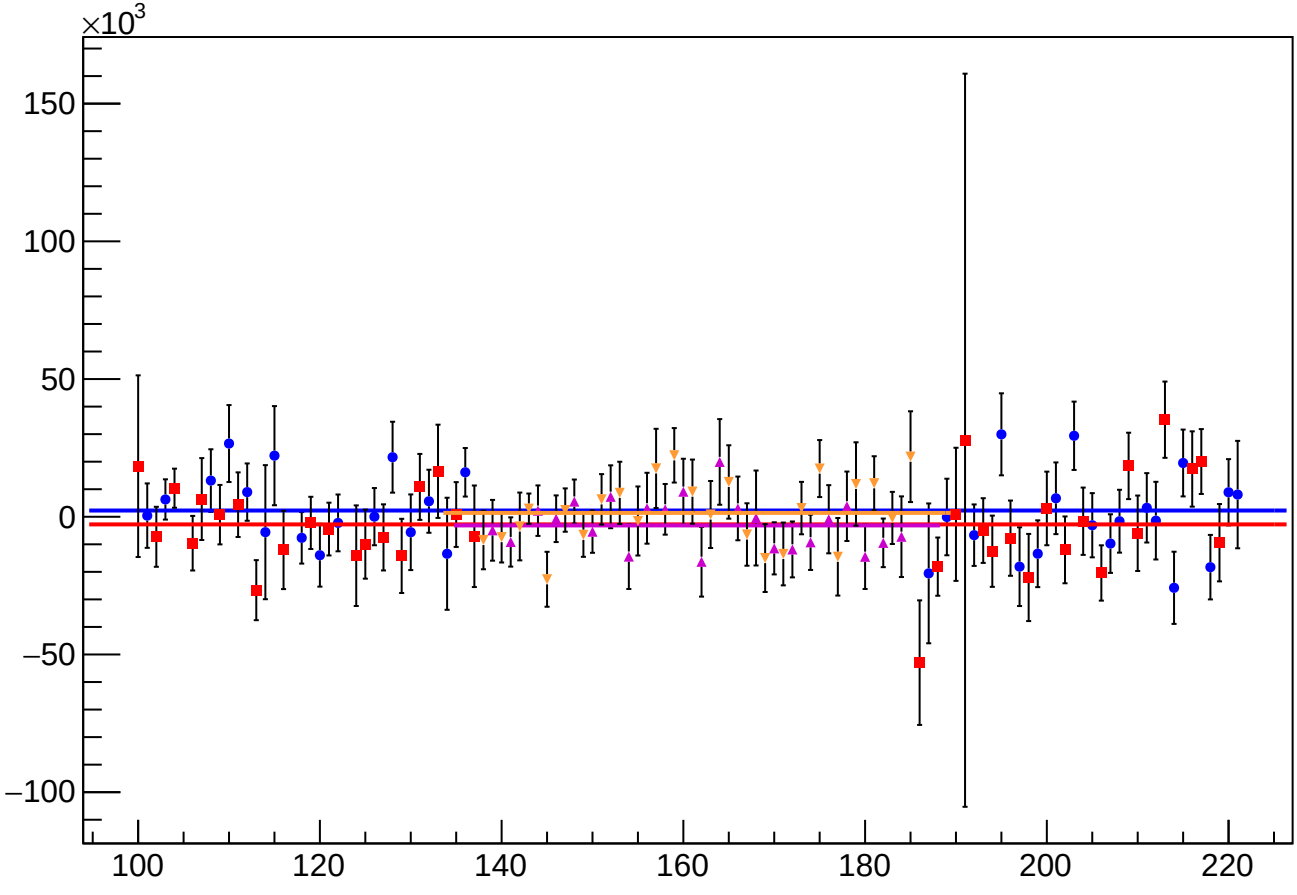
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 403.500+/-0.160 χ^2/NDF: 75233976.3/58

All: 601.470+/-0.159 χ^2/NDF: 146441363.5/1

- sign 8994.820+/-1.045 χ^2/NDF: 5153961.7/59

asym_at2_avg_mean vs Slug



Right In: 2268.951+/-2071.786 χ^2/NDF: 40.5/33

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -2769.411+/-2054.294 χ^2/NDF: 45.0/36

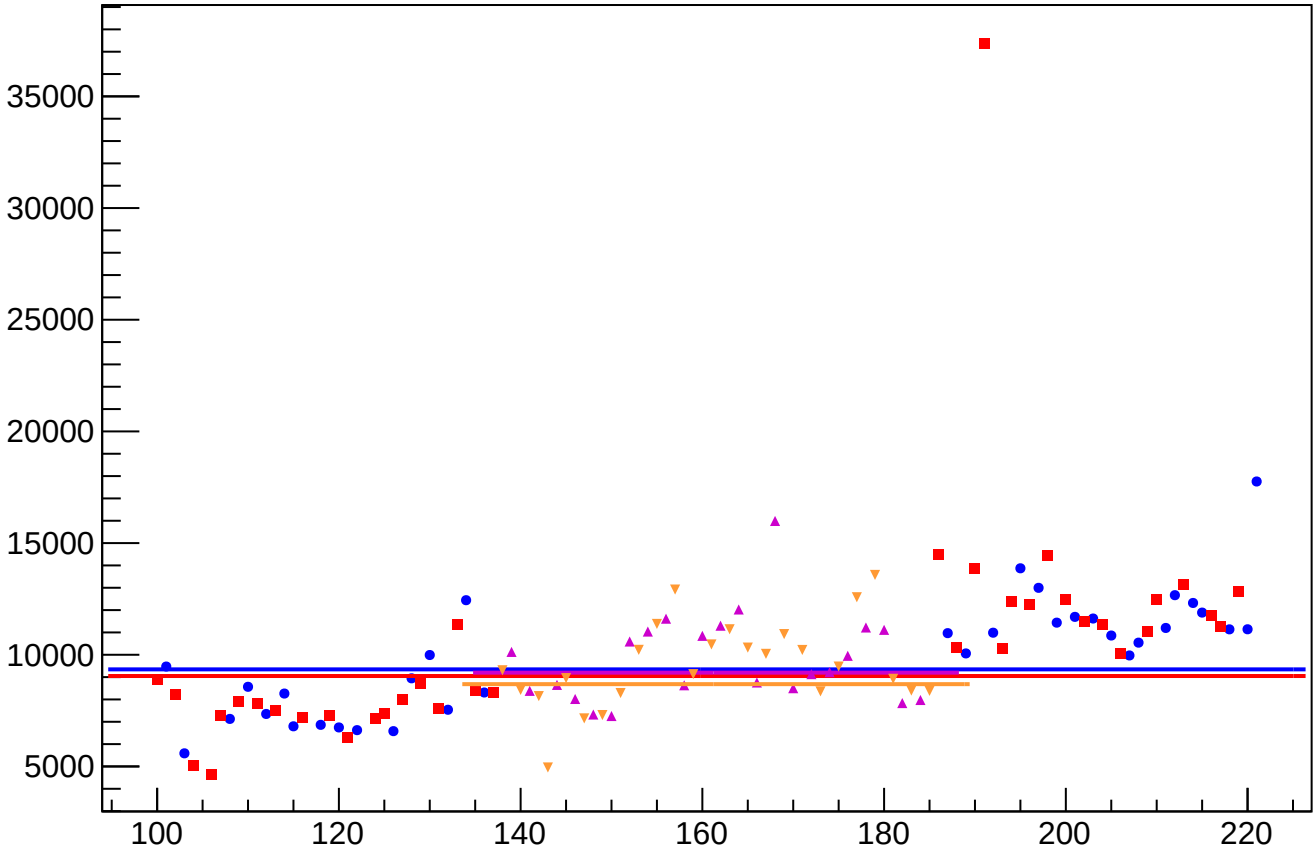
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 1831.961+/-1453.572 χ^2/NDF: 68.0/58

All: -483.272+/-1043.222 χ^2/NDF: 131.2/118

- sign -2942.569+/-1498.113 χ^2/NDF: 57.9/59

asym_at2_avg_rms vs Slug



Right In: 9346.458+/-1.465 χ^2/NDF: 2820512.3/33

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 9048.823+/-1.453 χ^2/NDF: 3336867.7/36

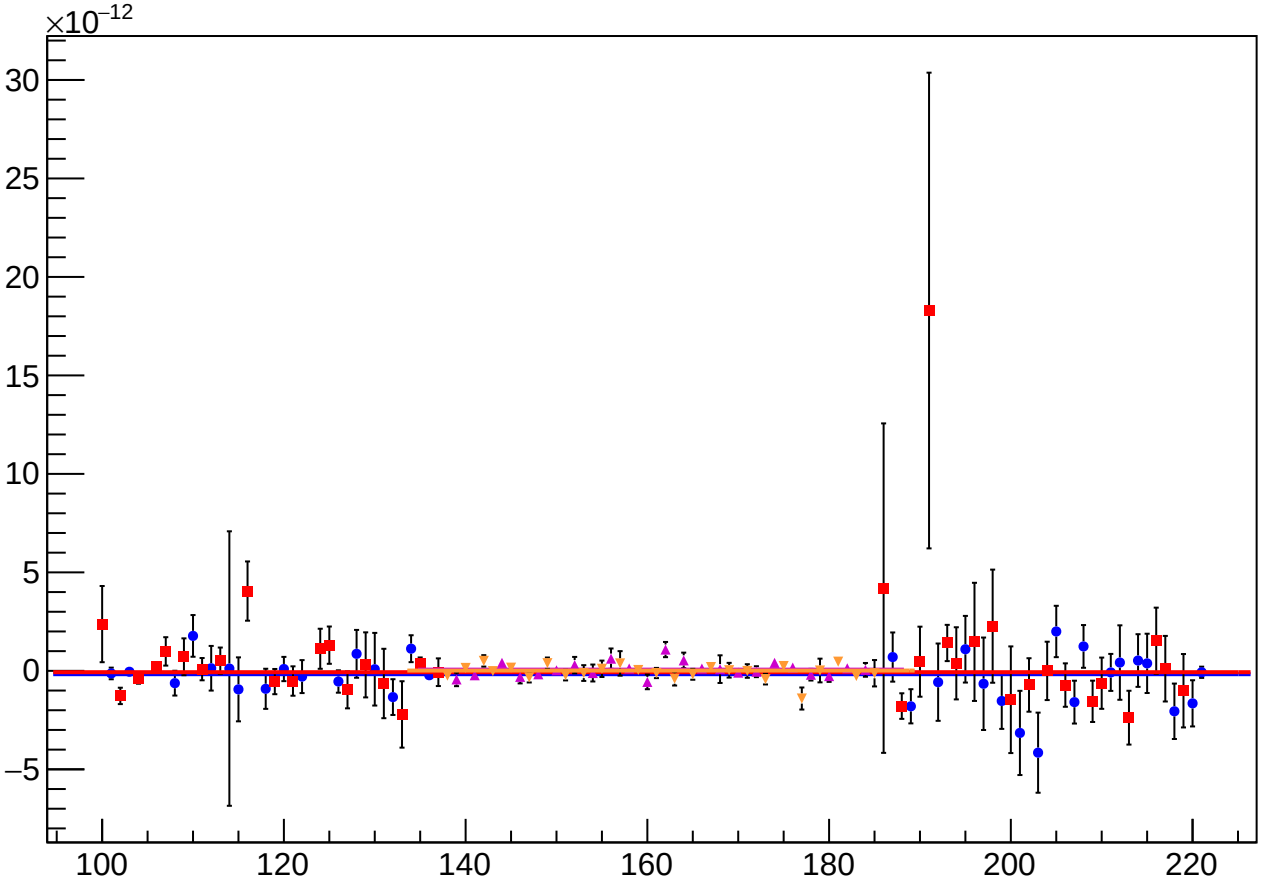
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 9010.373+/-1.028 χ^2/NDF: 4975789.8/58

All: 9063.520+/-0.738 χ^2/NDF: 9452717.0/11

- sign 9119.970+/-1.059 χ^2/NDF: 4471413.7/59

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.4/36

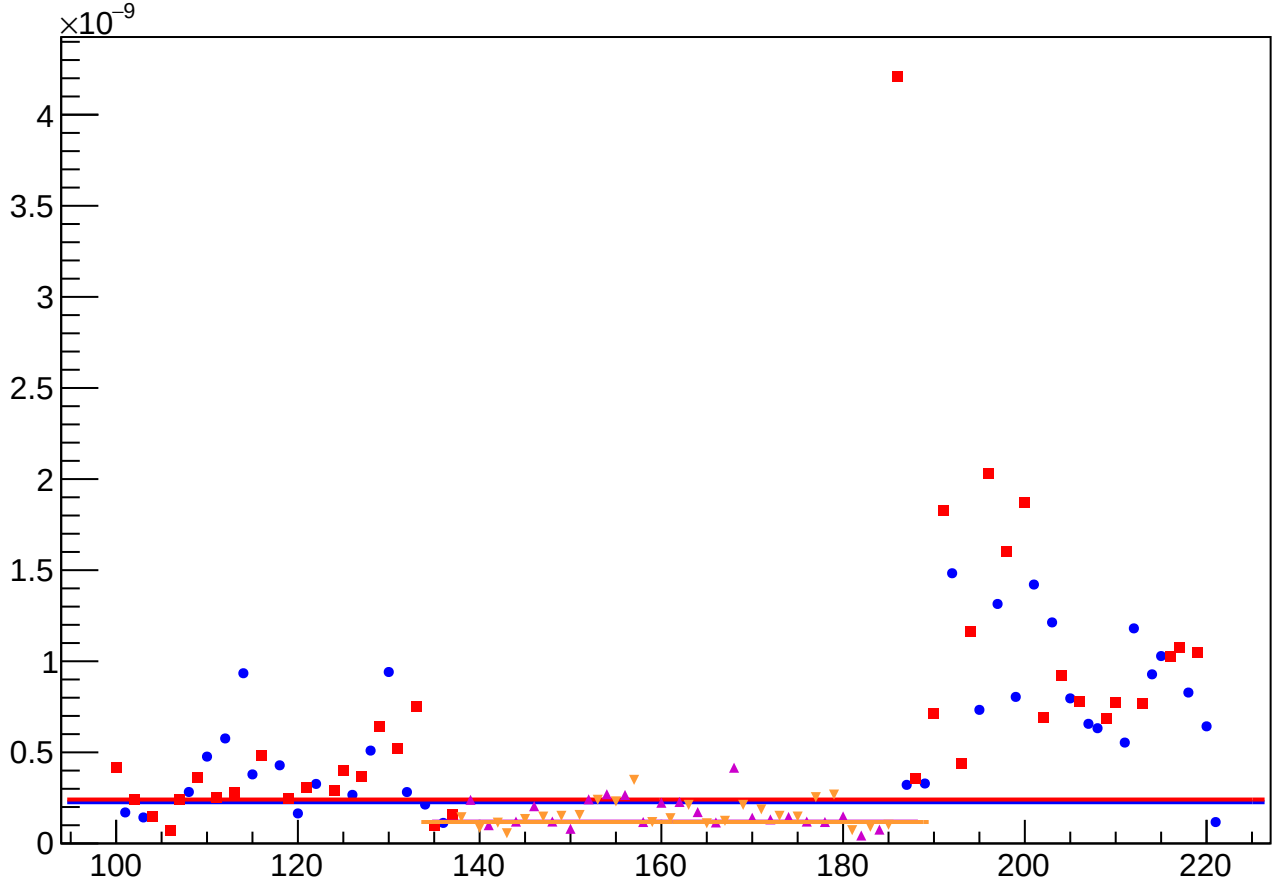
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/58

All: 0.000+/-0.000 χ^2/NDF: 147.6/118

- sign 0.000+/-0.000 χ^2/NDF: 82.3/59

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8516002.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8835773.0/36

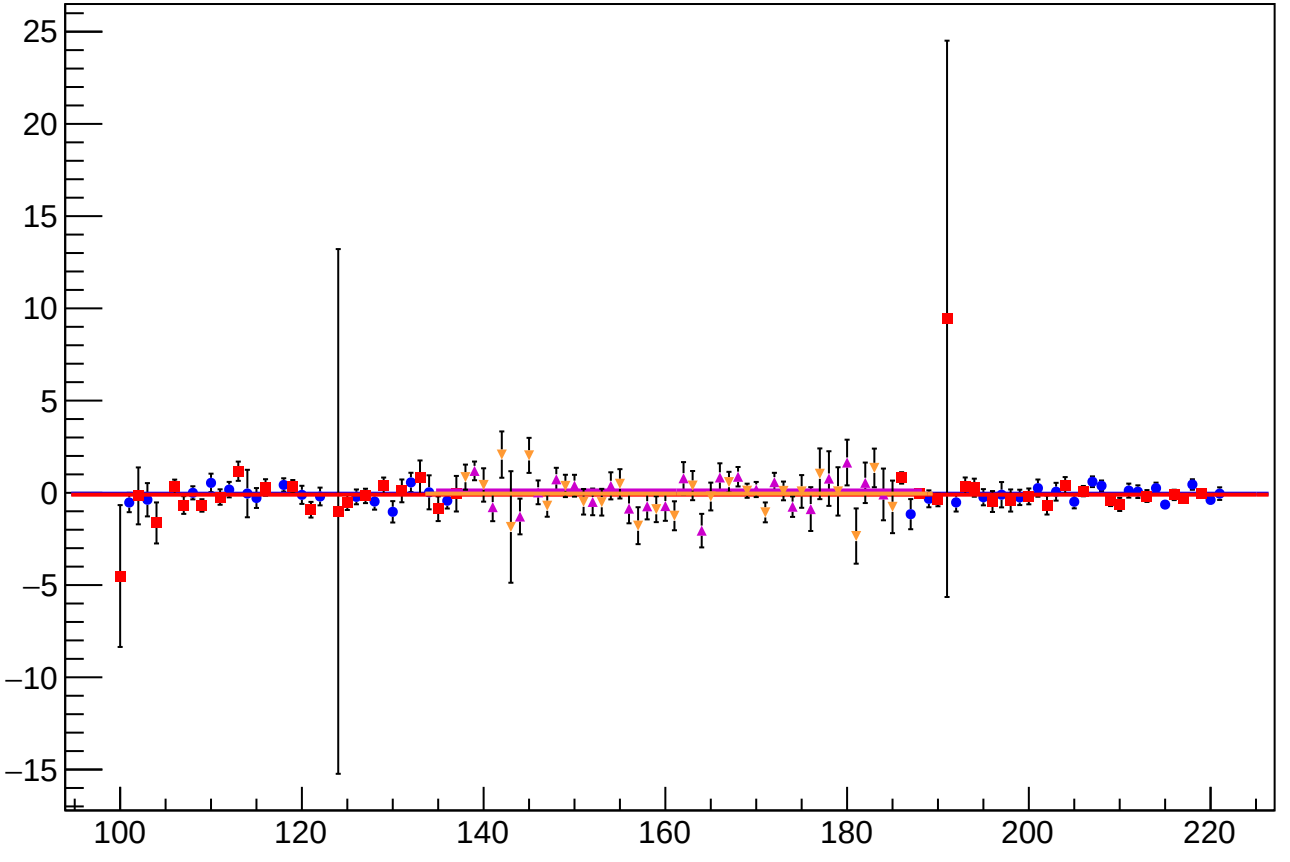
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12620819.3/58

All: 0.000+/-0.000 χ^2/NDF: 25964349.7/118

- sign 0.000+/-0.000 χ^2/NDF: 13338675.7/59

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

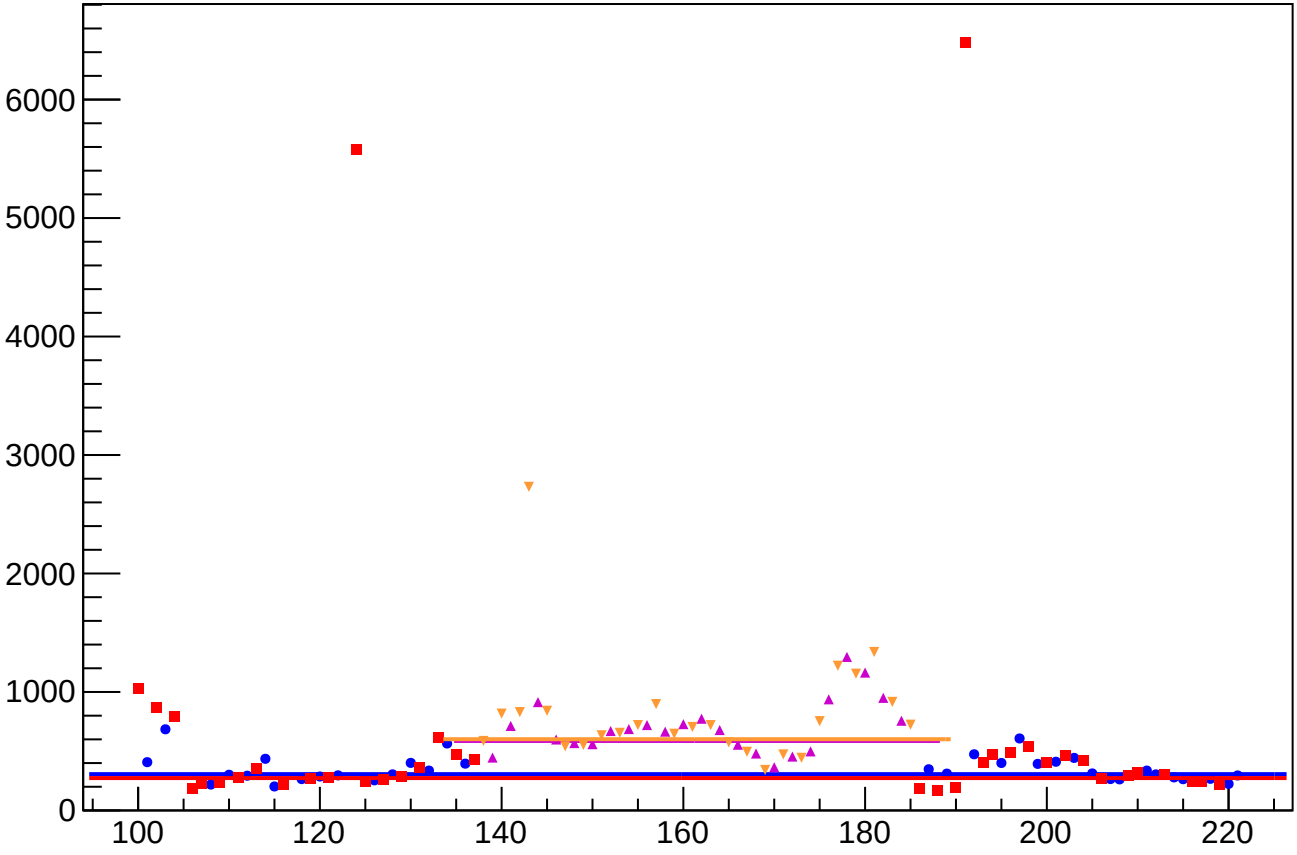
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.054+/-0.043 χ^2/NDF: 140.1/118

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 306.469+/-0.049 χ^2/NDF: 2513155.7/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

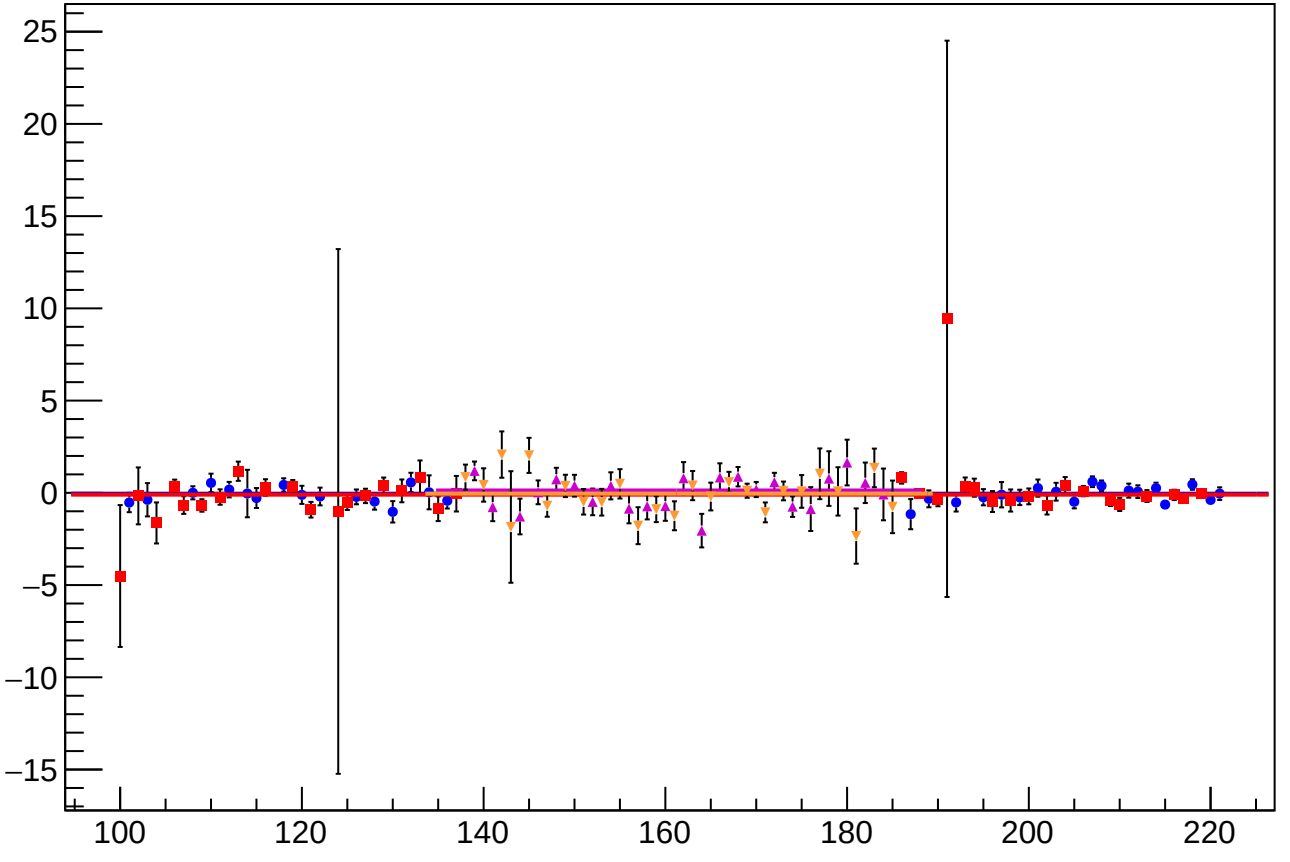
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 359.514+/-0.044 χ^2/NDF: 13521054.3/58

All: 341.862+/-0.030 χ^2/NDF: 29712043.8/11

- sign 325.926+/-0.042 χ^2/NDF: 15888207.1/59

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

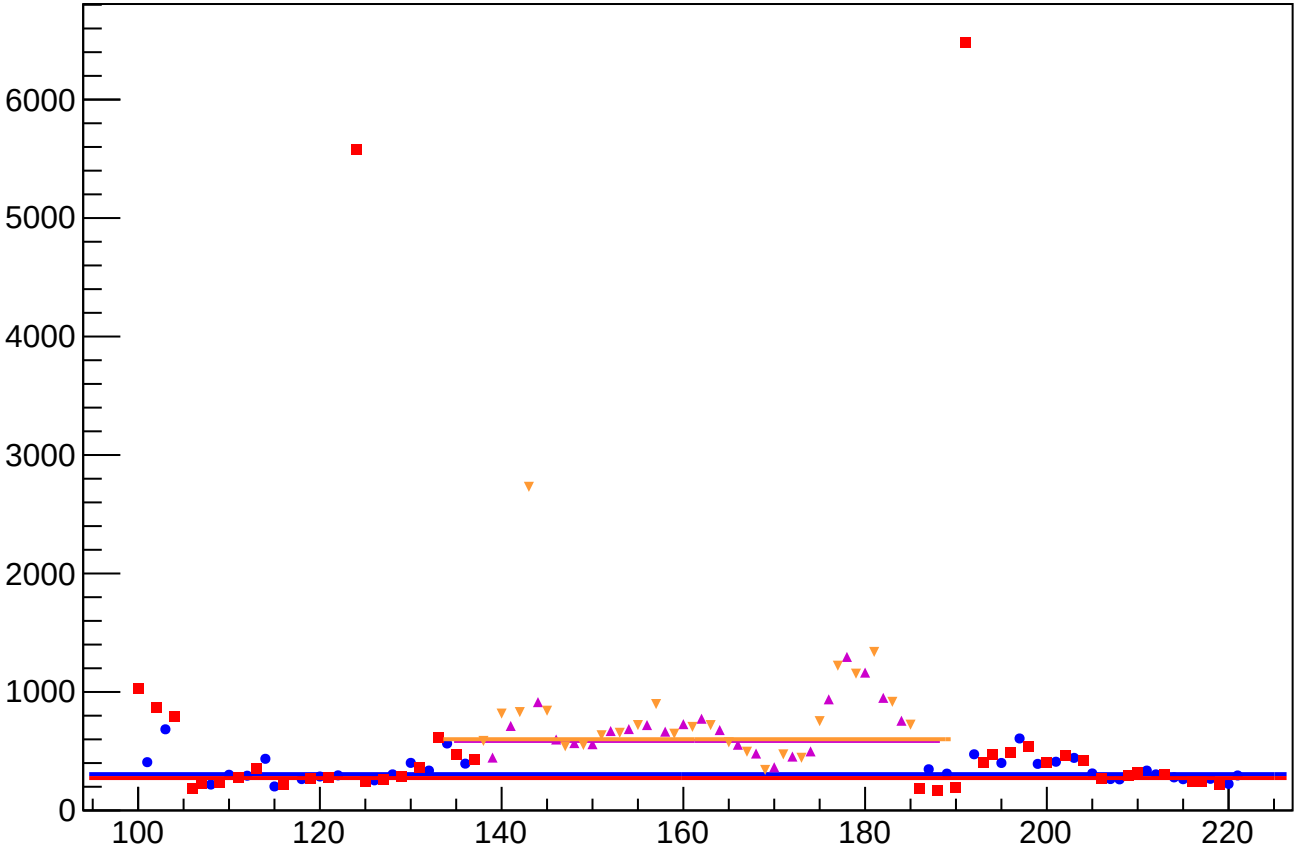
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.054+/-0.043 χ^2/NDF: 140.1/118

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 306.469+/-0.049 χ^2/NDF: 2513155.7/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

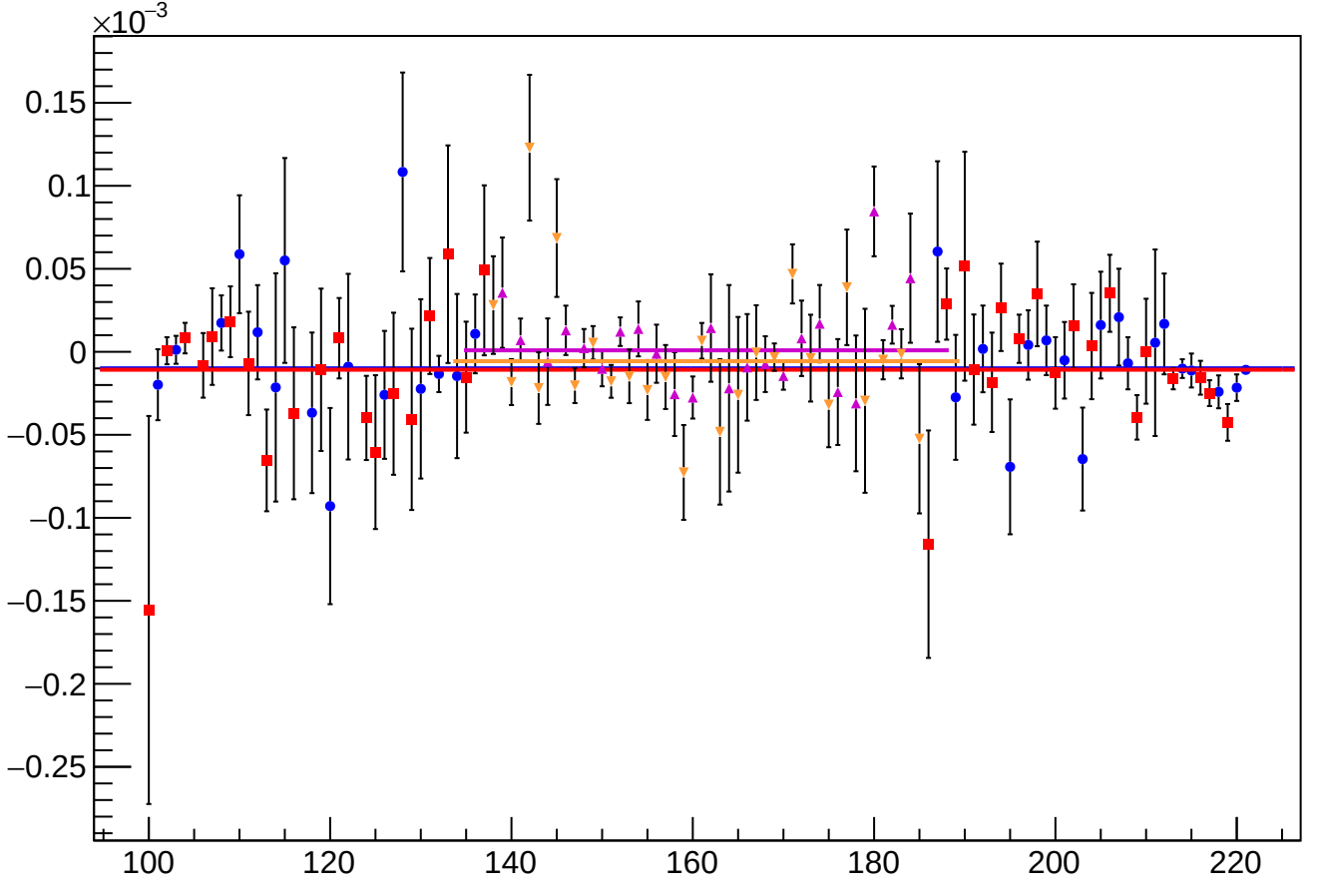
Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 359.514+/-0.044 χ^2/NDF: 13521054.3/58

All: 341.862+/-0.030 χ^2/NDF: 29712043.8/11

- sign 325.926+/-0.042 χ^2/NDF: 15888207.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

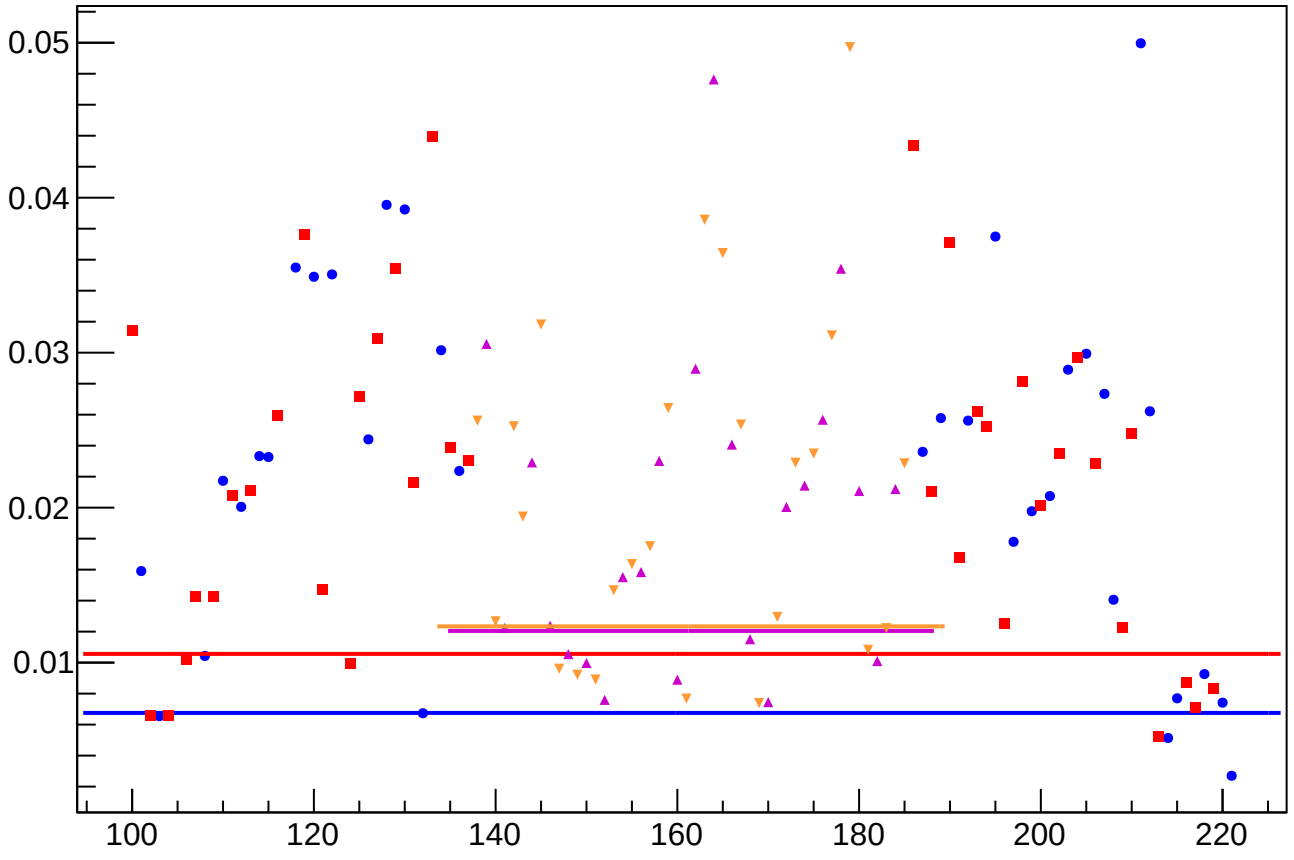
Right Out: -0.000+/-0.000 χ^2/NDF: 55.2/36

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.7/58

All: -0.000+/-0.000 χ^2/NDF: 170.4/118

- sign -0.000+/-0.000 χ^2/NDF: 92.7/59



Right In: 0.007+/-0.000 χ^2/NDF: 20586642.8/33

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 12150977.8/36

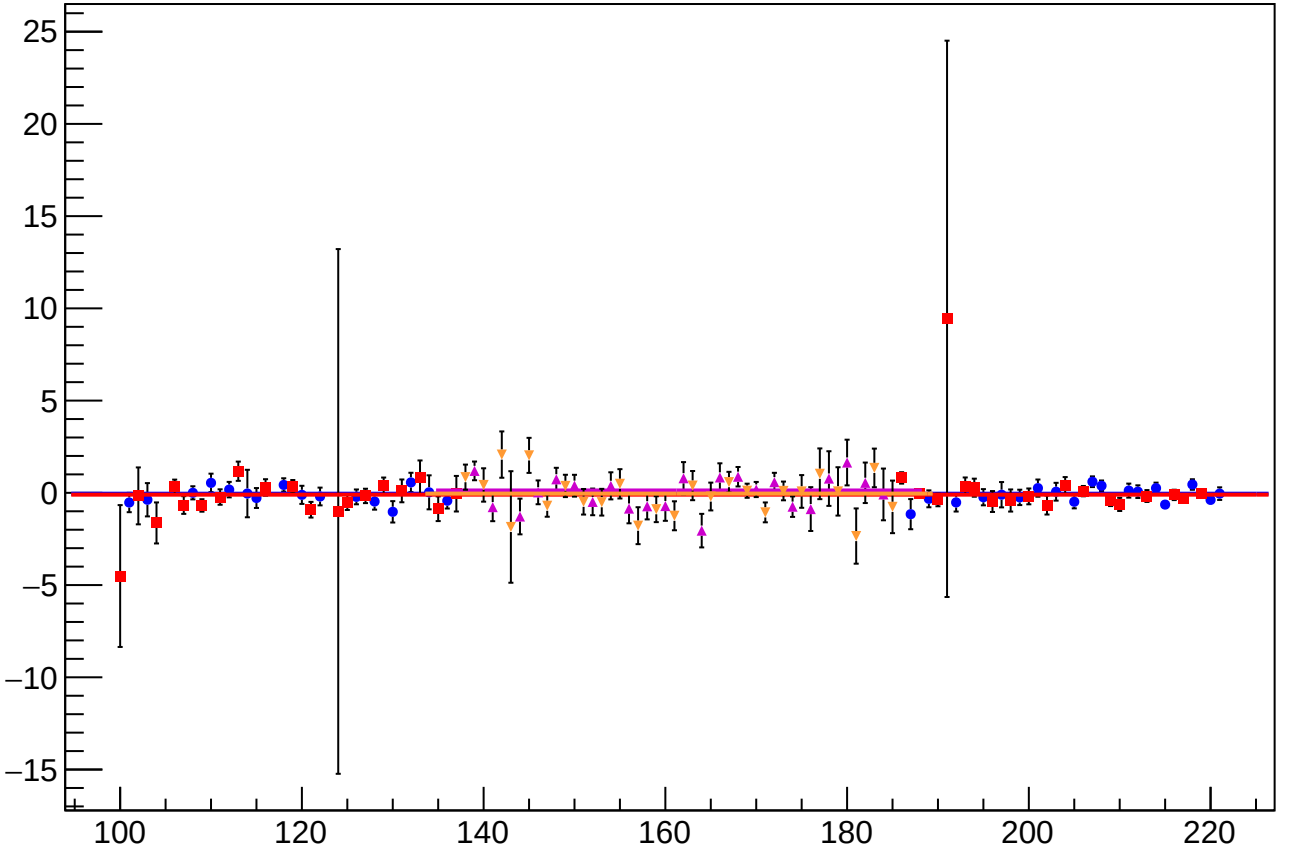
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.008+/-0.000 χ^2/NDF: 32606984.4/58

All: 0.010+/-0.000 χ^2/NDF: 53422554.3/118

- sign 0.011+/-0.000 χ^2/NDF: 18765756.8/59

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

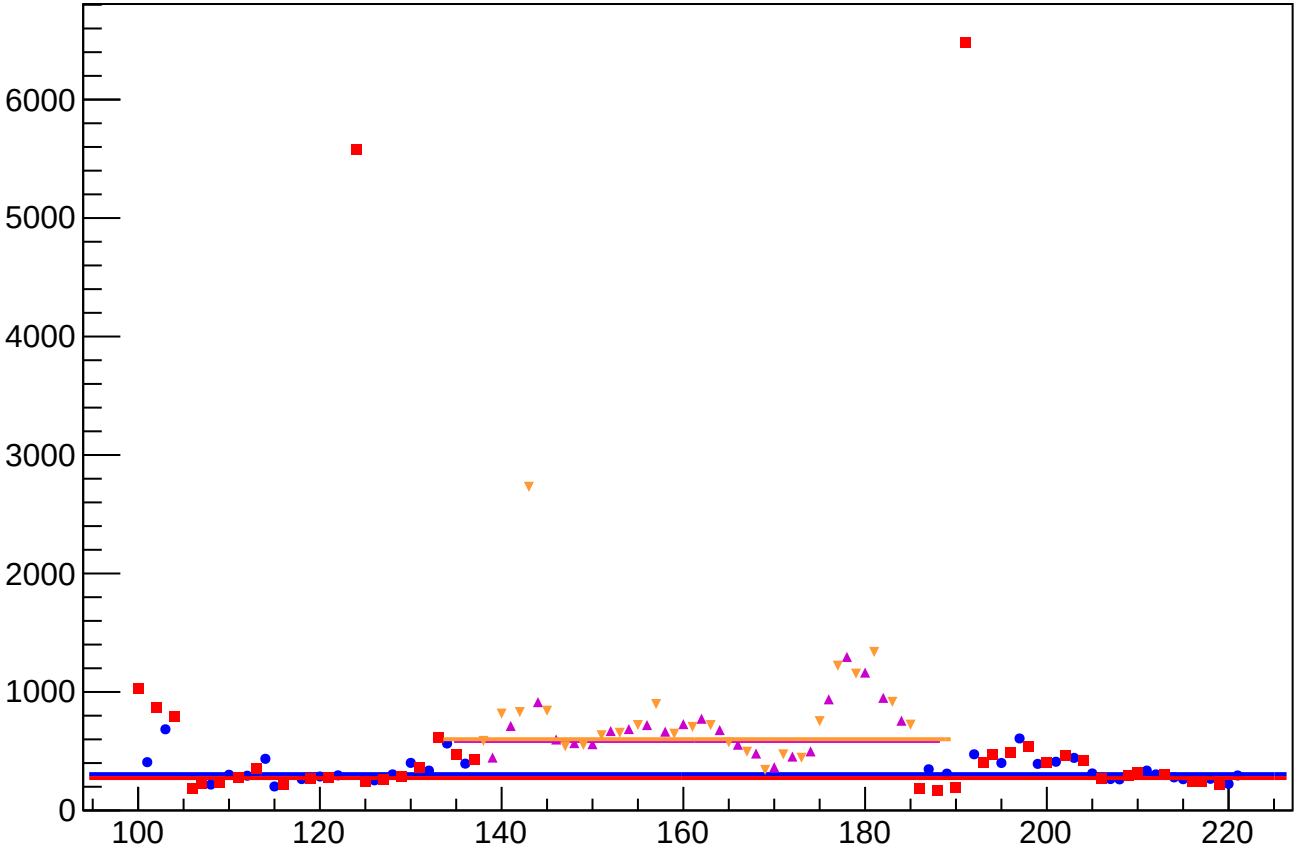
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.054+/-0.043 χ^2/NDF: 140.1/118

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 306.468+/-0.049 χ^2/NDF: 2513151.0/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

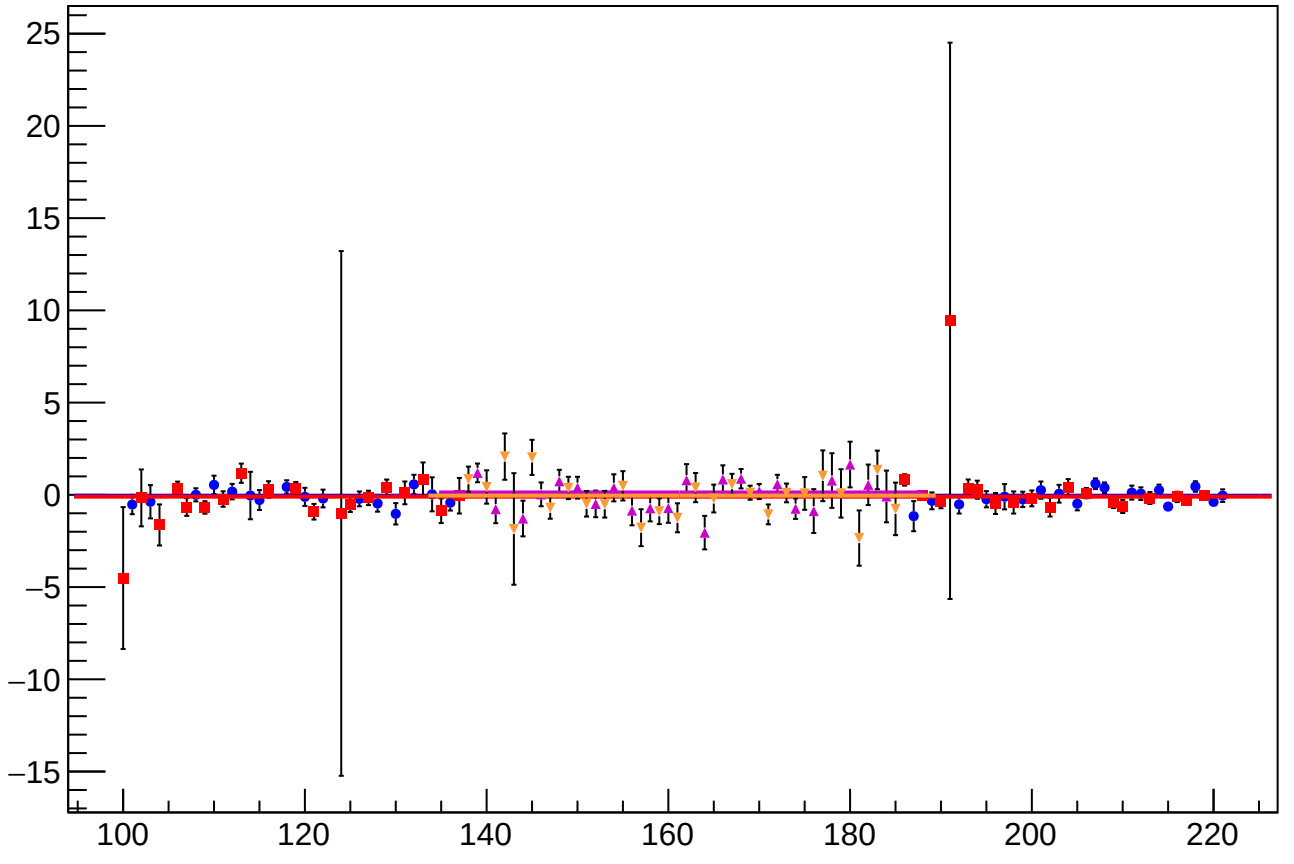
Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 359.513+/-0.044 χ^2/NDF: 13521259.5/58

All: 341.859+/-0.030 χ^2/NDF: 29712971.3/11

- sign 325.921+/-0.042 χ^2/NDF: 15888863.6/59



Right In: -0.047+/-0.069 χ^2/NDF: 34.6/33

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

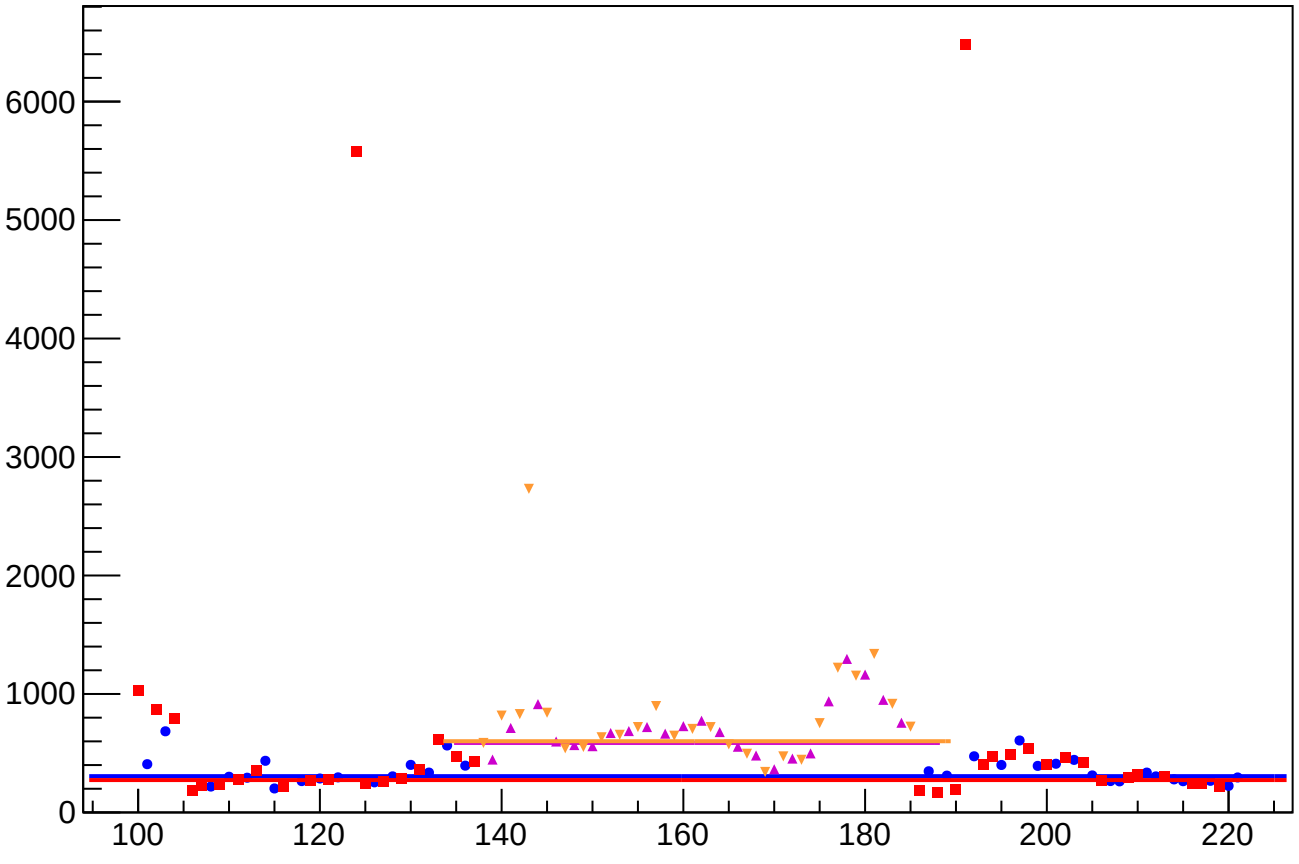
Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.063 χ^2/NDF: 64.8/58

All: -0.054+/-0.043 χ^2/NDF: 140.1/118

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59



Right In: 306.468+/-0.049 χ^2/NDF: 2513151.0/33

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

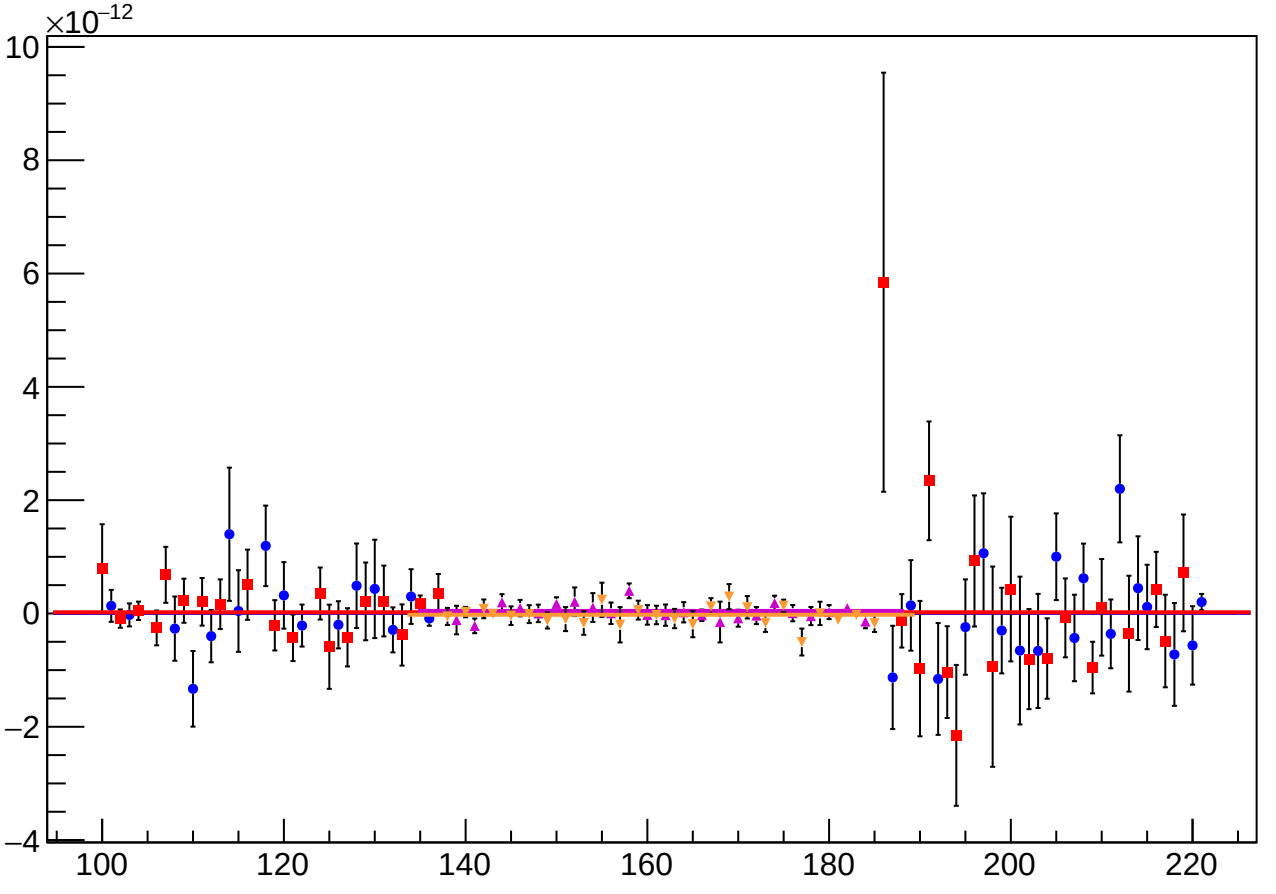
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 359.513+/-0.044 χ^2/NDF: 13521259.5/58

All: 341.859+/-0.030 χ^2/NDF: 29712971.3/11

- sign 325.921+/-0.042 χ^2/NDF: 15888863.6/59

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/36

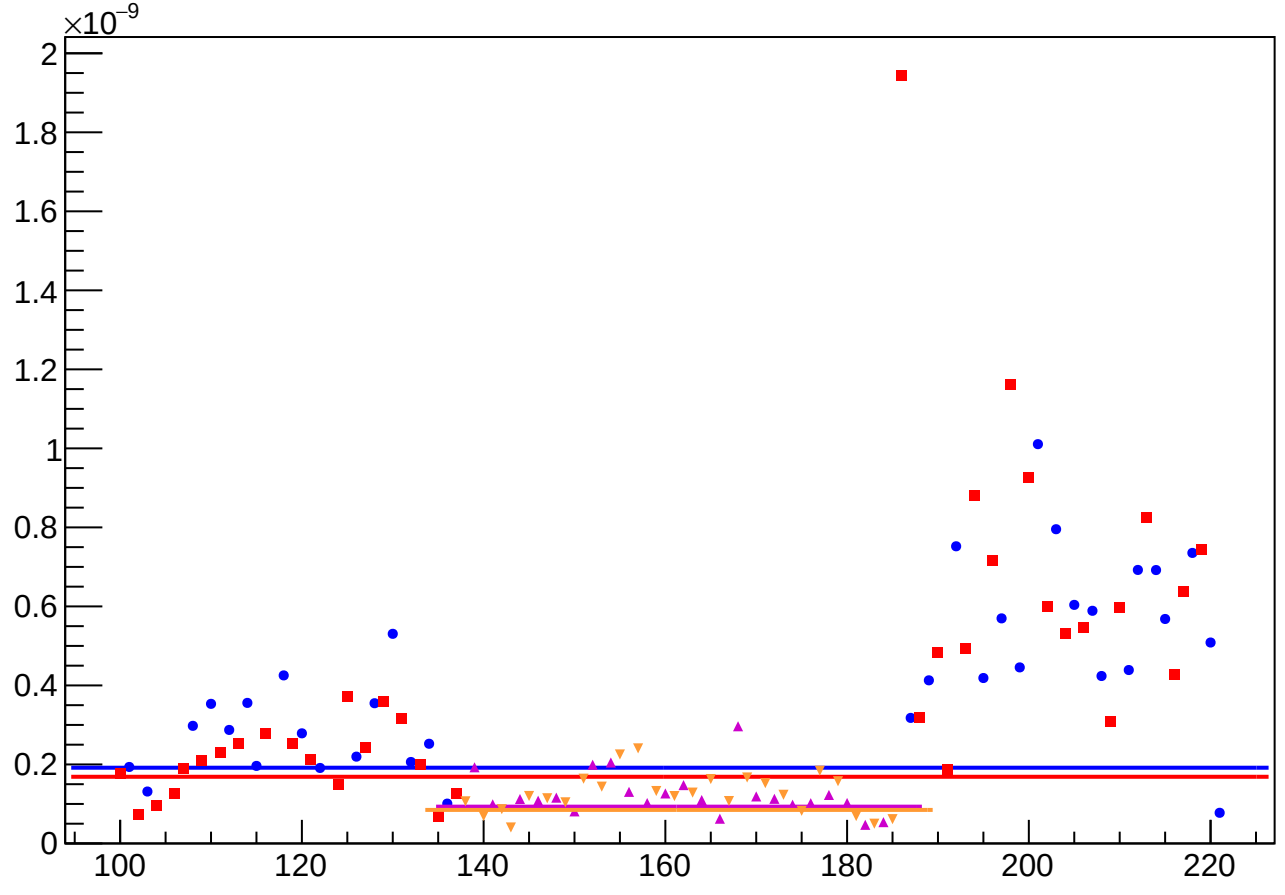
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.1/58

All: 0.000+/-0.000 χ^2/NDF: 104.9/118

- sign 0.000+/-0.000 χ^2/NDF: 56.0/59

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10944749.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11246082.0/36

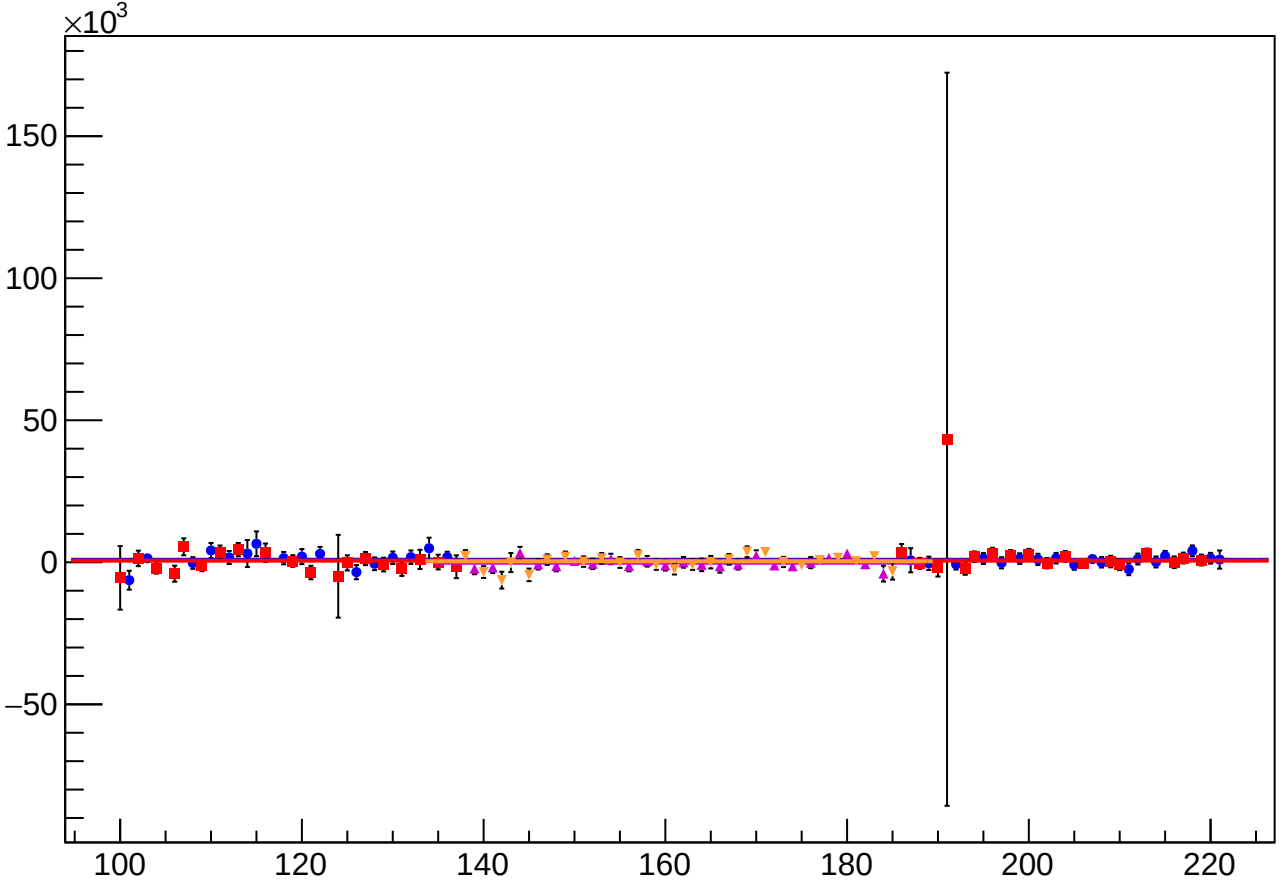
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20592706.9/58

All: 0.000+/-0.000 χ^2/NDF: 38003297.1/118

- sign 0.000+/-0.000 χ^2/NDF: 17343193.8/59

reg_asym_at2_dd_mean vs Slug



Right In: 893.889+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 583.190+/-373.904 χ^2/NDF: 31.3/36

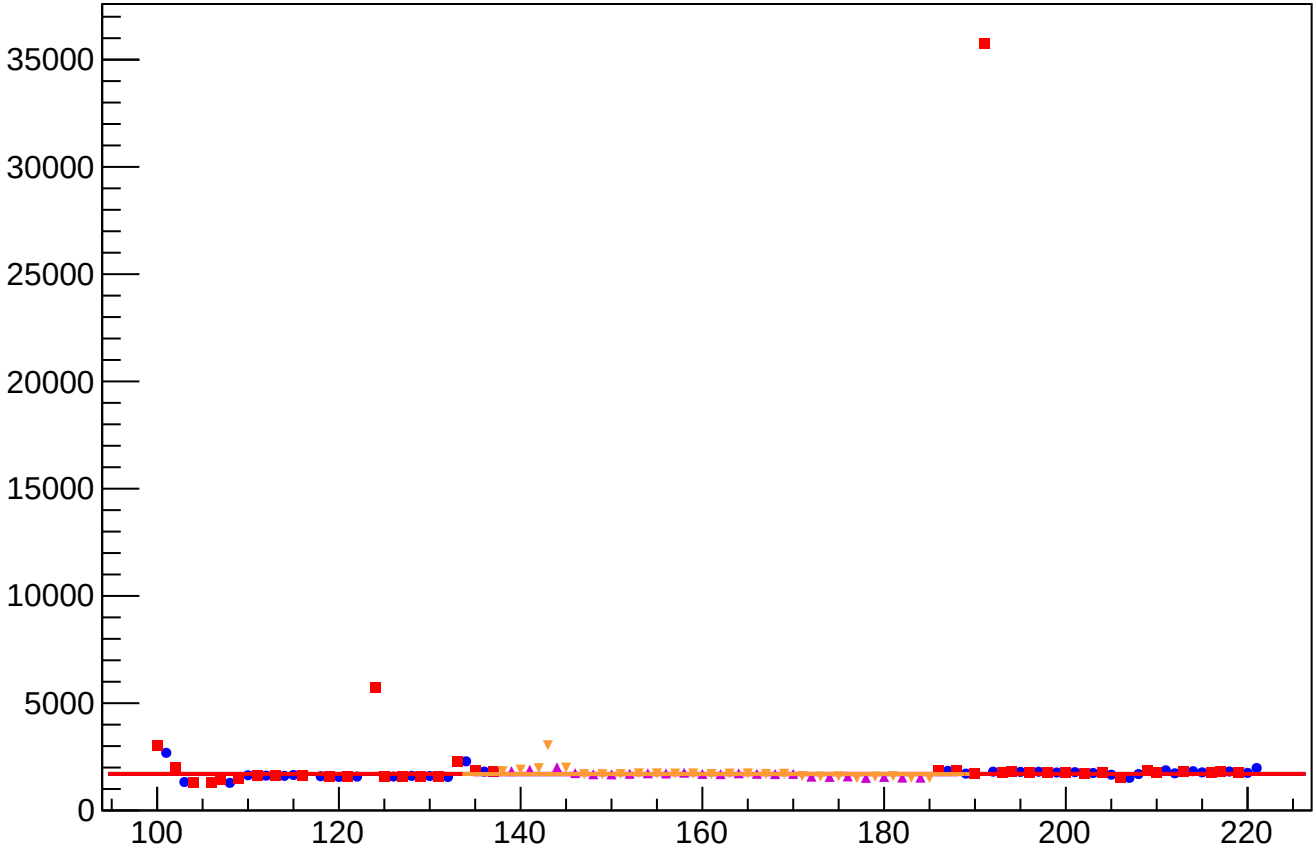
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 640.354+/-267.881 χ^2/NDF: 53.9/58

All: 439.102+/-190.618 χ^2/NDF: 104.3/118

\- sign 232.680+/-271.300 χ^2/NDF: 49.2/59

reg_asym_at2_dd_rms vs Slug



Right In: 1702.306+/-0.262 χ^2/NDF: 548246.6/33

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.5/36

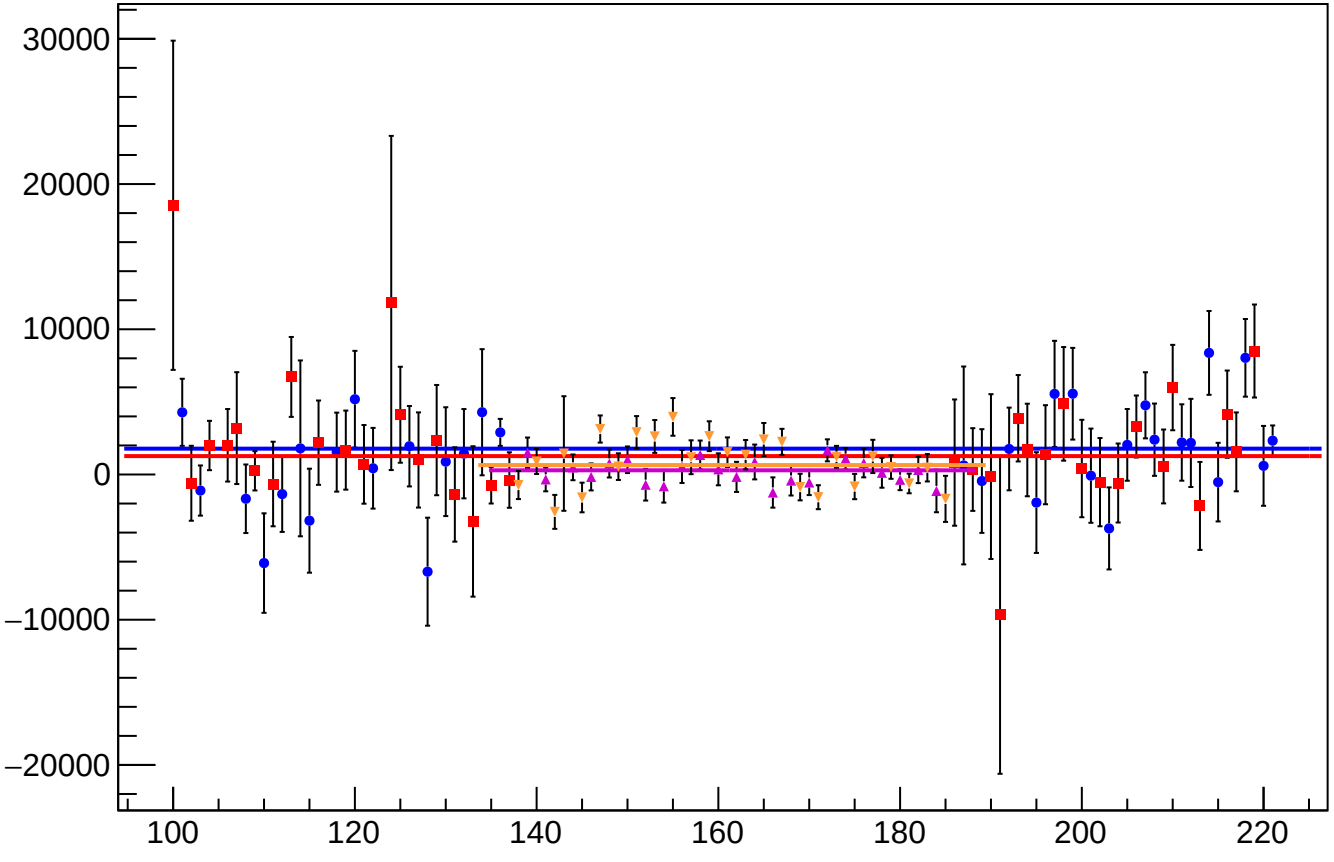
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1700.015+/-0.189 χ^2/NDF: 1043805.4/58

All: 1697.562+/-0.135 χ^2/NDF: 1946187.9/11

- sign 1695.046+/-0.192 χ^2/NDF: 902042.8/59

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1779.674+/-411.912 χ^2/NDF: 45.0/33

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1266.534+/-444.047 χ^2/NDF: 29.4/36

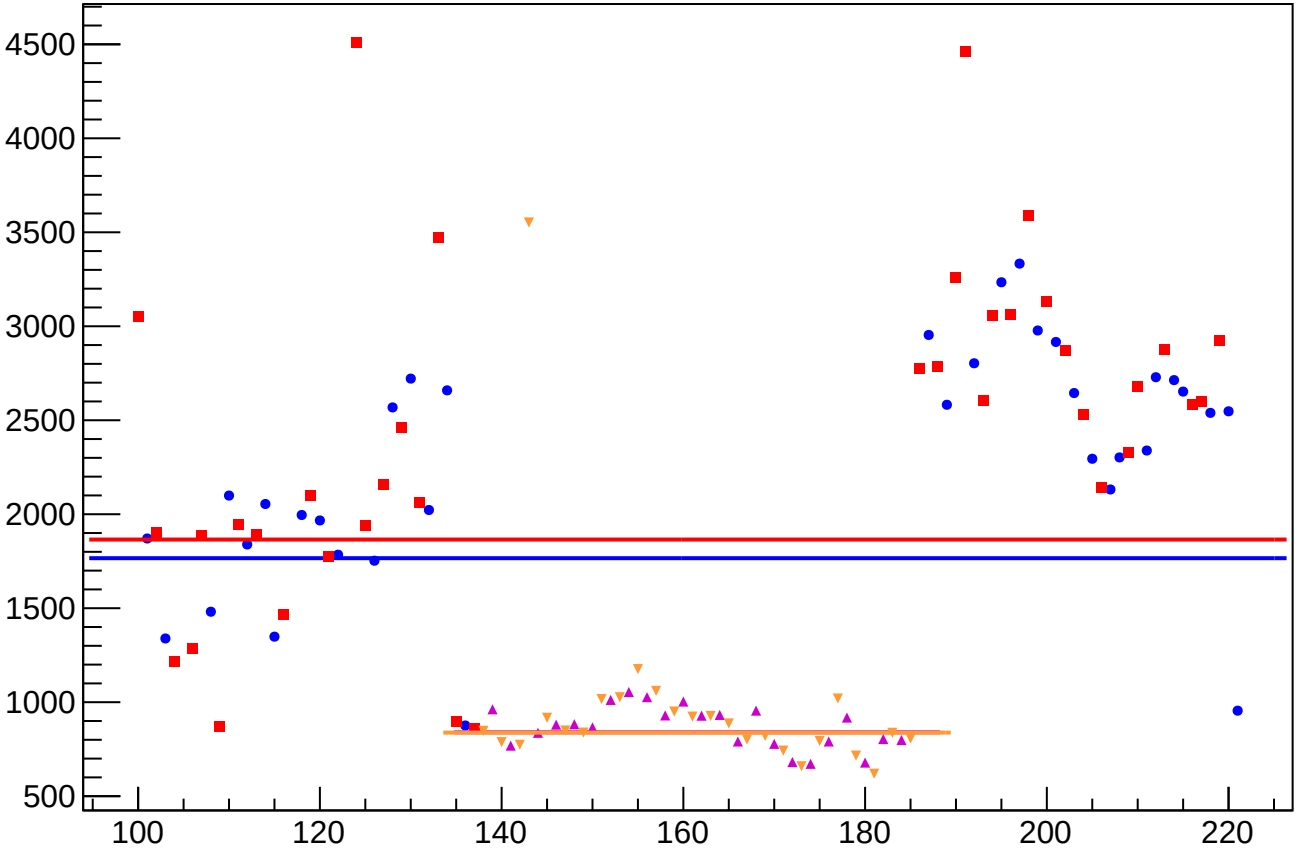
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 857.302+/-176.743 χ^2/NDF: 116.6/58

All: 659.458+/-126.527 χ^2/NDF: 169.2/118

- sign 451.479+/-181.213 χ^2/NDF: 50.0/59

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1766.120+/-0.291 χ^2/NDF: 6764746.8/33

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

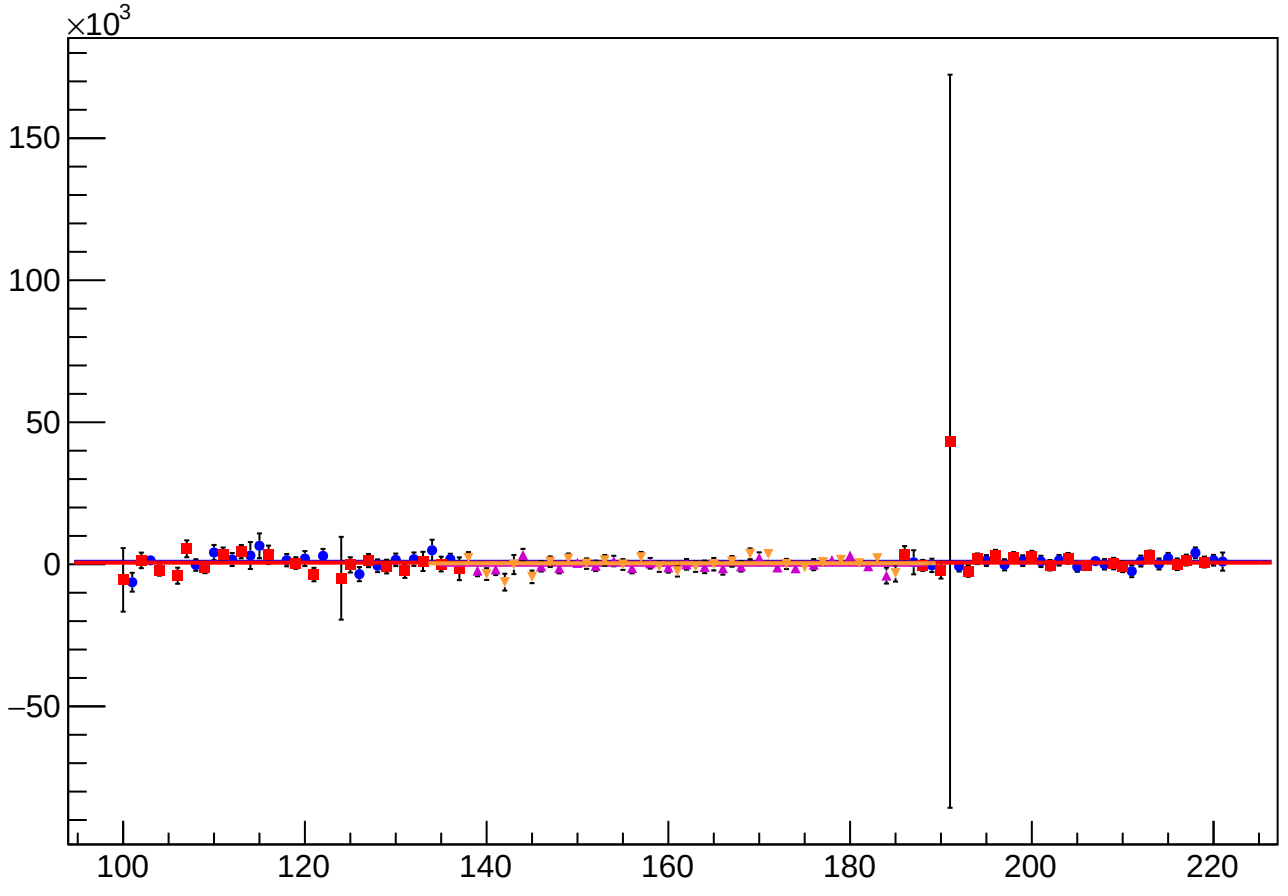
Right Out: 1865.351+/-0.314 χ^2/NDF: 6818652.9/36

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 1009.073+/-0.125 χ^2/NDF: 16845086.6/58

All: 1009.887+/-0.089 χ^2/NDF: 33221518.5/1

- sign 1010.743+/-0.128 χ^2/NDF: 16376344.9/59



Right In: 893.909+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 583.280+/-373.904 χ^2/NDF: 31.3/36

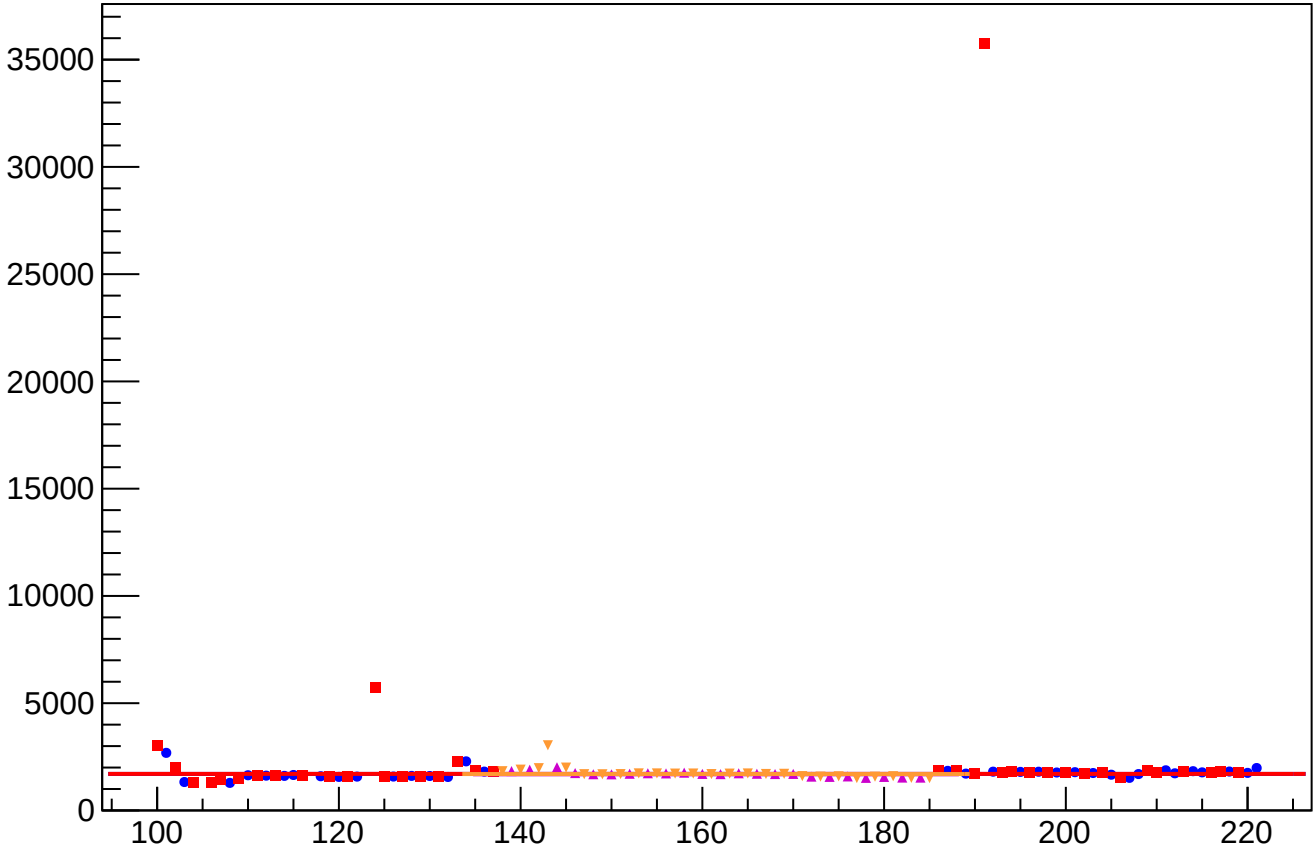
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 640.324+/-267.881 χ^2/NDF: 53.9/58

All: 439.132+/-190.618 χ^2/NDF: 104.3/118

- sign 232.772+/-271.300 χ^2/NDF: 49.2/59

cor_asym_at2_dd_rms vs Slug



Right In: 1702.306+/-0.262 χ^2/NDF: 548247.0/33

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

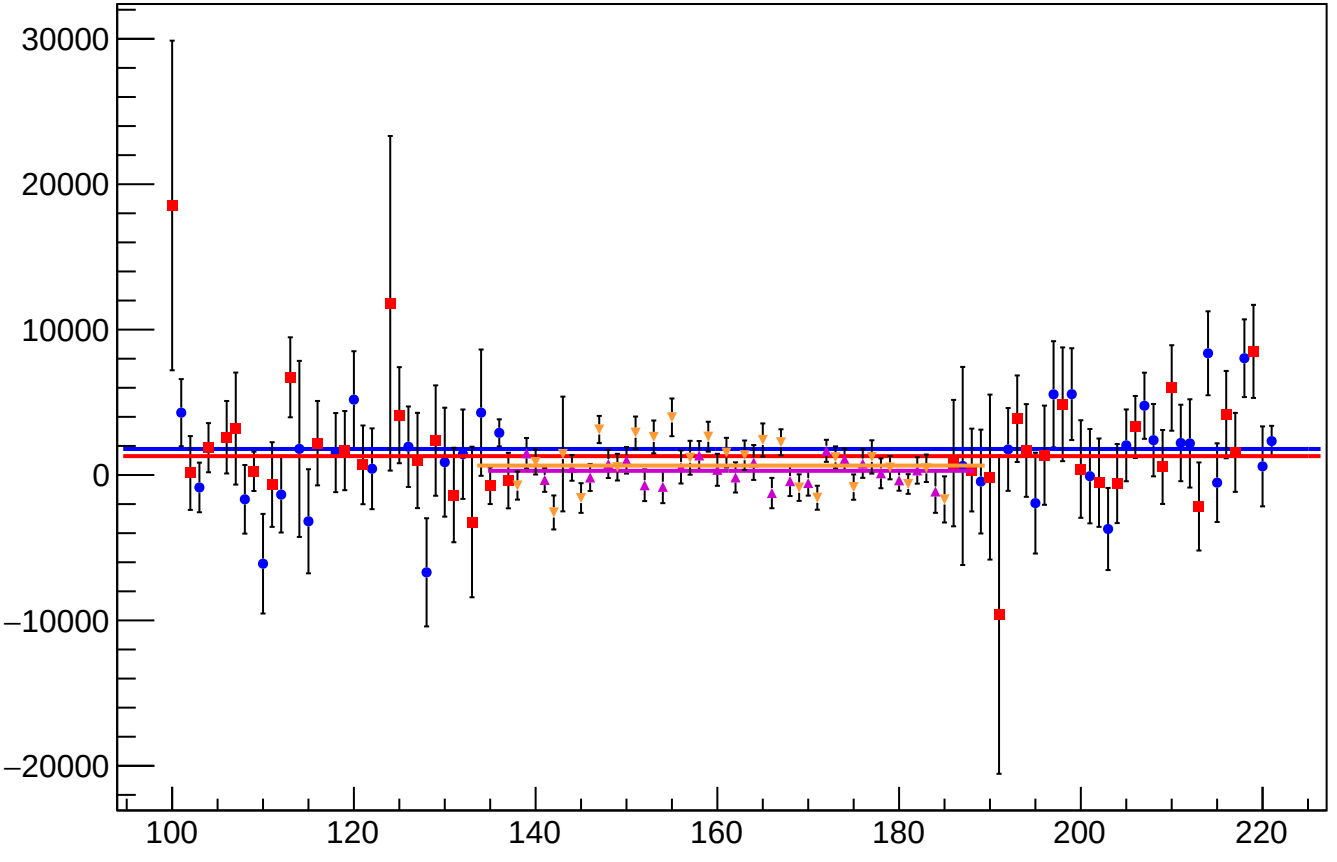
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1700.015+/-0.189 χ^2/NDF: 1043805.7/58

All: 1697.562+/-0.135 χ^2/NDF: 1946188.3/11

- sign 1695.046+/-0.192 χ^2/NDF: 902043.0/59

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1790.833+/-411.674 χ^2/NDF: 44.6/33

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1298.704+/-443.658 χ^2/NDF: 29.2/36

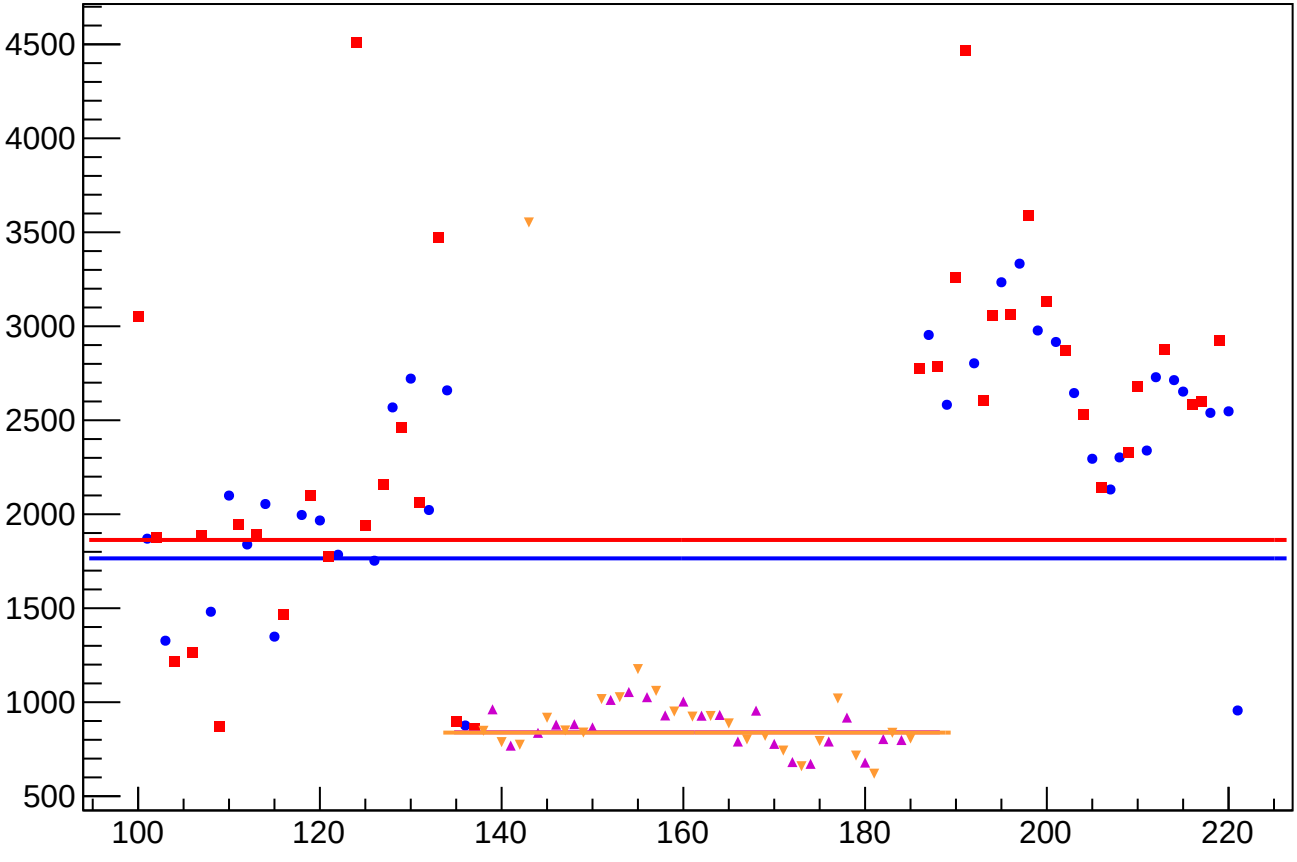
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 859.559+/-176.726 χ^2/NDF: 116.4/58

All: 663.331+/-126.512 χ^2/NDF: 169.0/118

- sign 457.072+/-181.187 χ^2/NDF: 50.1/59

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1765.216+/-0.291 χ^2/NDF: 6769067.0/33

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

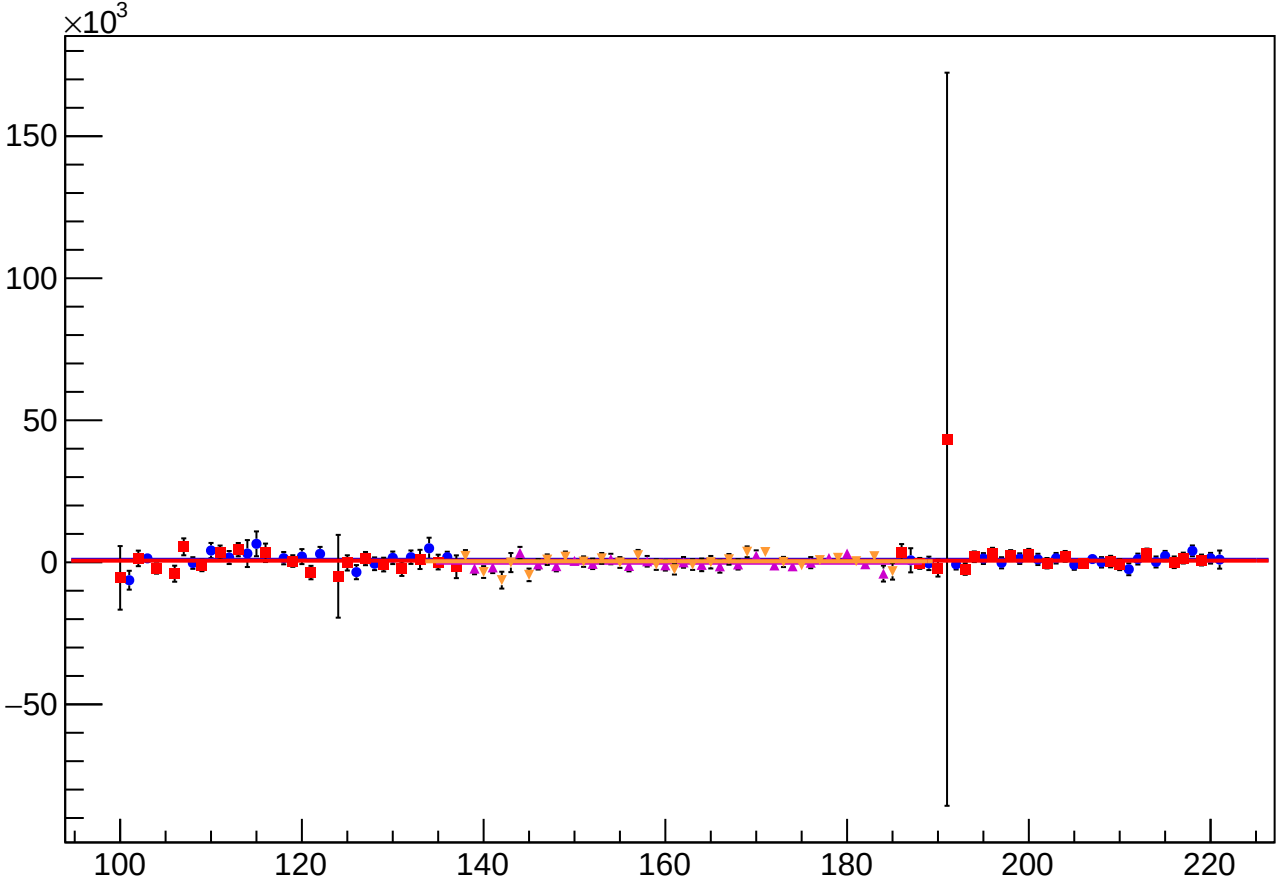
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1009.080+/-0.125 χ^2/NDF: 16840727.4/58

All: 1009.839+/-0.089 χ^2/NDF: 33205797.5/1

- sign 1010.637+/-0.128 χ^2/NDF: 16364994.5/59

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 893.909+/-370.188 χ^2/NDF: 23.4/33

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 583.280+/-373.904 χ^2/NDF: 31.3/36

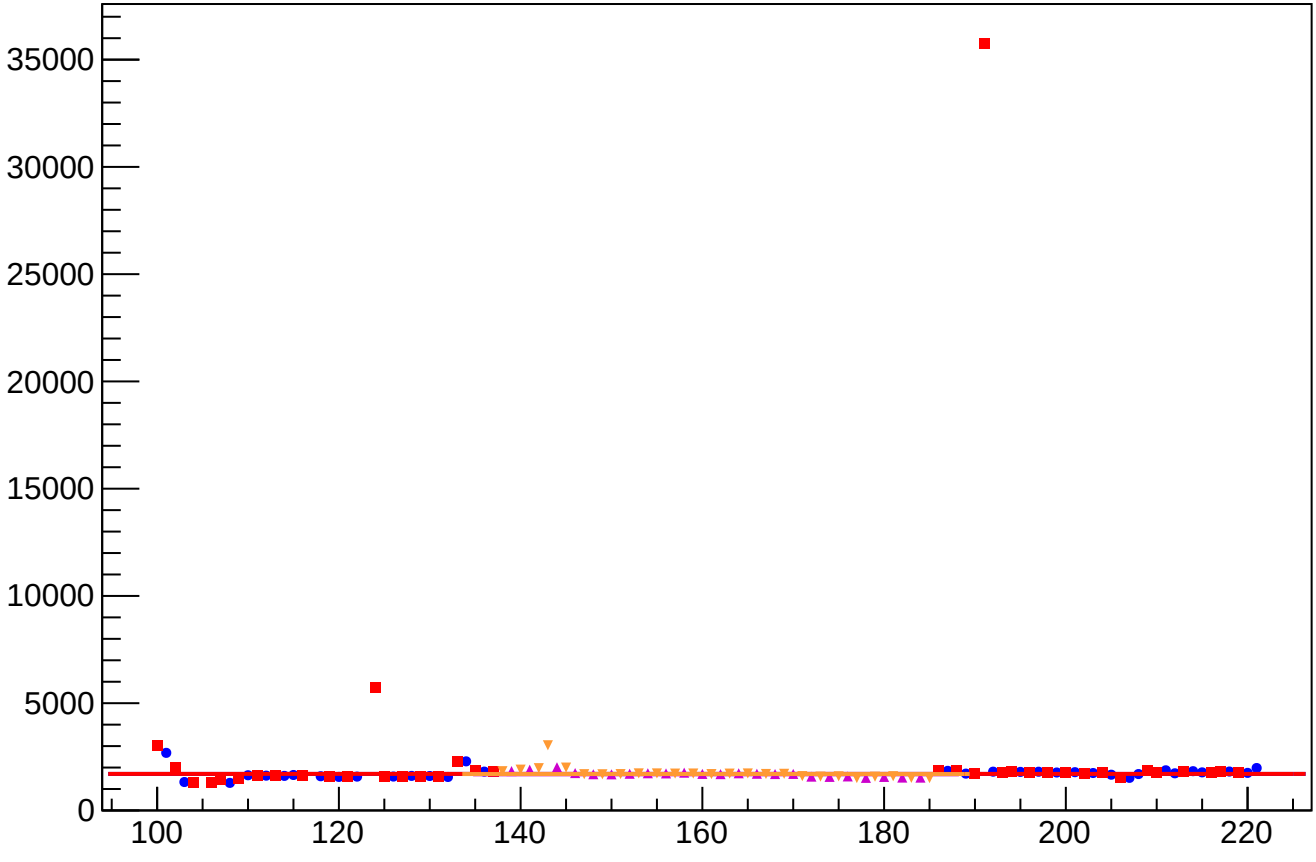
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 640.324+/-267.881 χ^2/NDF: 53.9/58

All: 439.132+/-190.618 χ^2/NDF: 104.3/118

- sign 232.772+/-271.300 χ^2/NDF: 49.2/59

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1702.306+/-0.262 χ^2/NDF: 548247.0/33

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

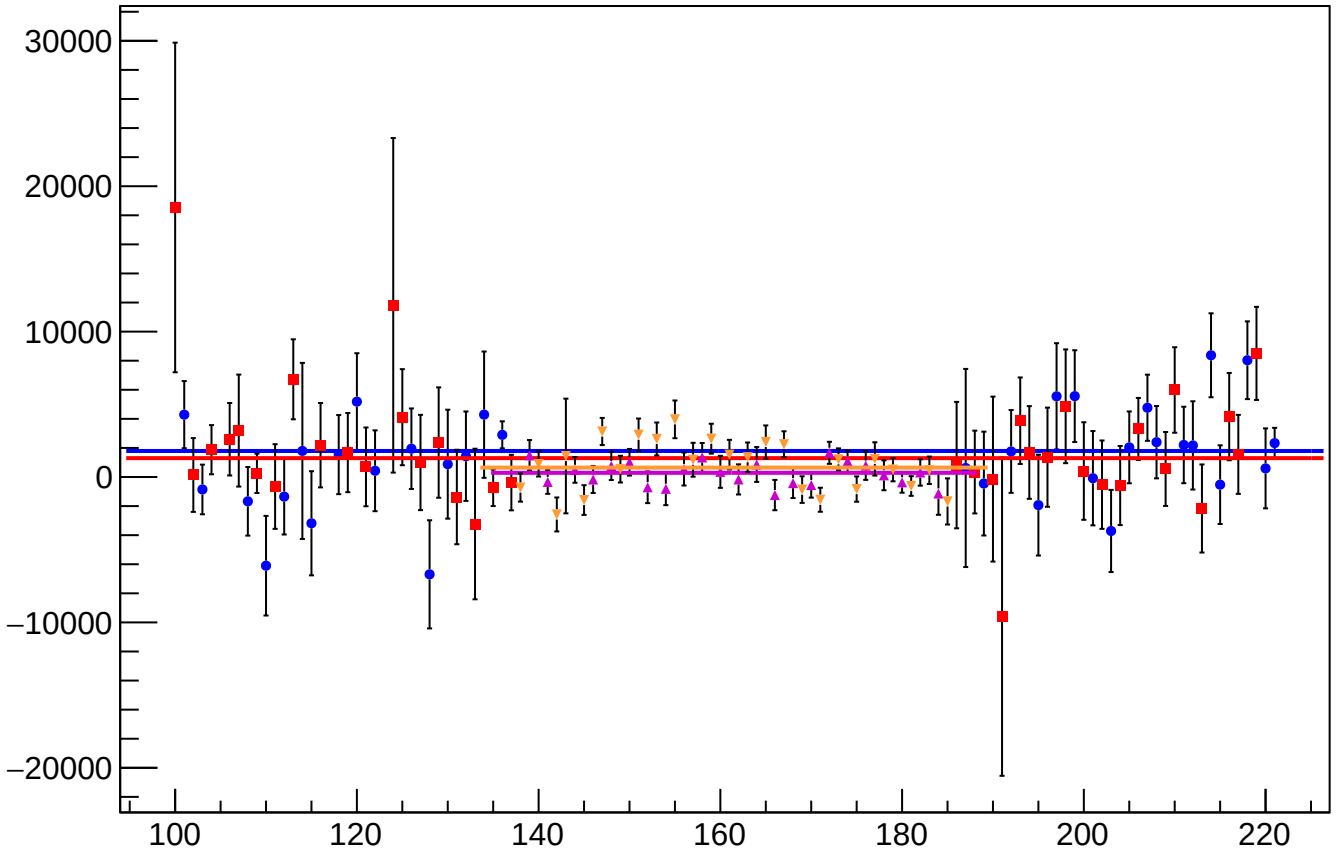
Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1700.015+/-0.189 χ^2/NDF: 1043805.7/58

All: 1697.562+/-0.135 χ^2/NDF: 1946188.3/11

- sign 1695.046+/-0.192 χ^2/NDF: 902043.0/59



Right In: 1790.833+/-411.674 χ^2/NDF: 44.6/33

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1298.704+/-443.658 χ^2/NDF: 29.2/36

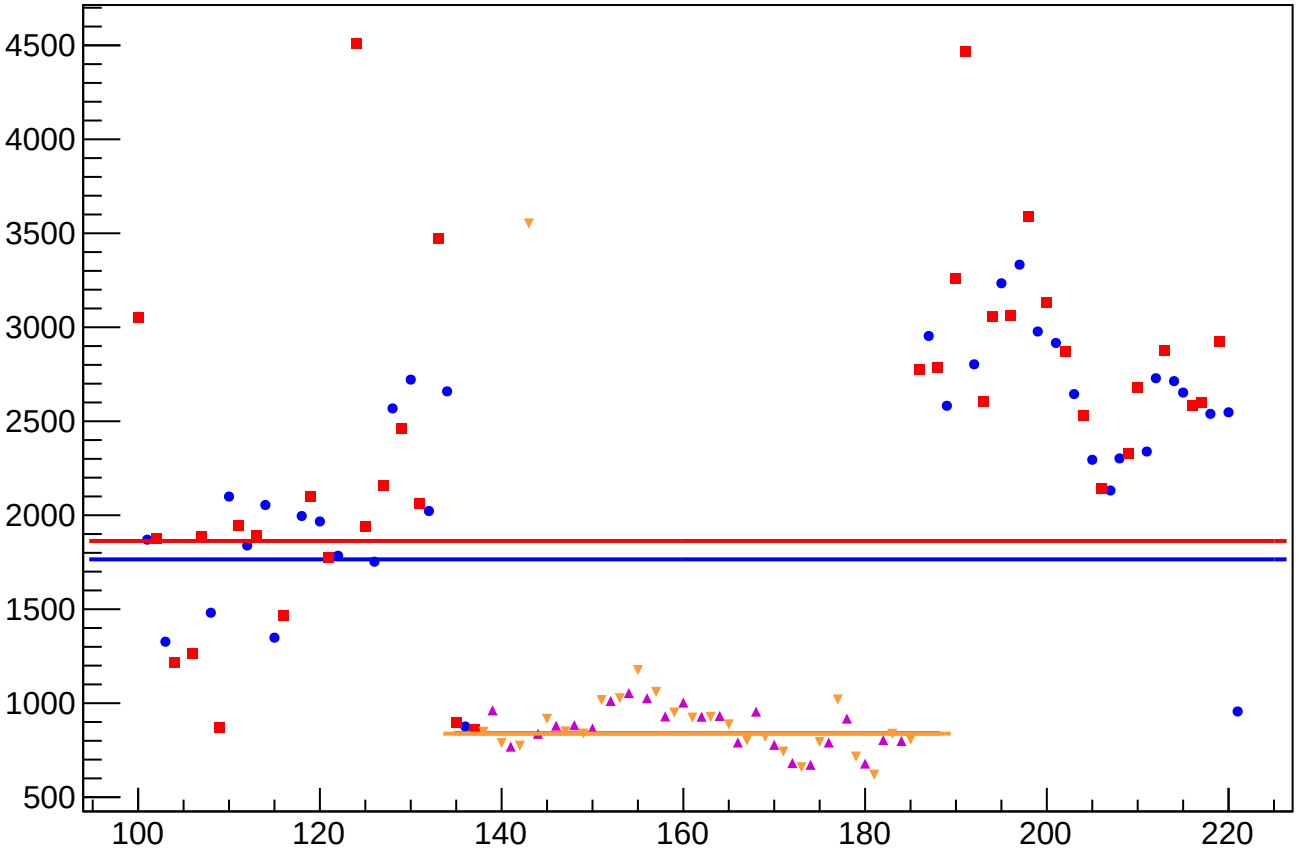
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 859.559+/-176.726 χ^2/NDF: 116.4/58

All: 663.331+/-126.512 χ^2/NDF: 169.0/118

- sign 457.072+/-181.187 χ^2/NDF: 50.1/59

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1765.216+/-0.291 χ^2/NDF: 6769067.0/33

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

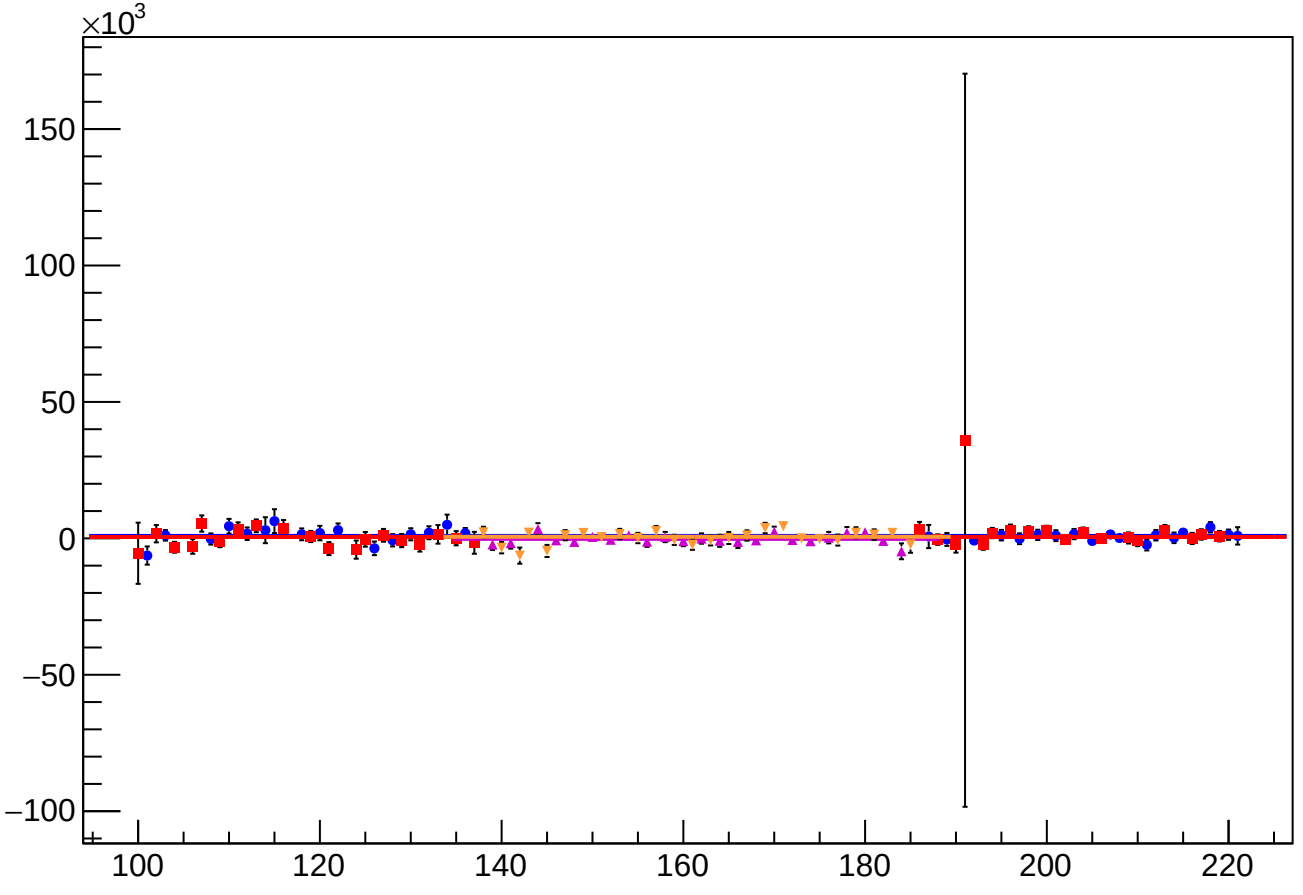
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1009.080+/-0.125 χ^2/NDF: 16840727.4/58

All: 1009.839+/-0.089 χ^2/NDF: 33205797.5/1

- sign 1010.637+/-0.128 χ^2/NDF: 16364994.5/59

dit_asym_at2_dd_mean vs Slug



Right In: 886.246+/-372.370 χ^2/NDF: 23.8/33

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 500.993+/-374.351 χ^2/NDF: 33.7/36

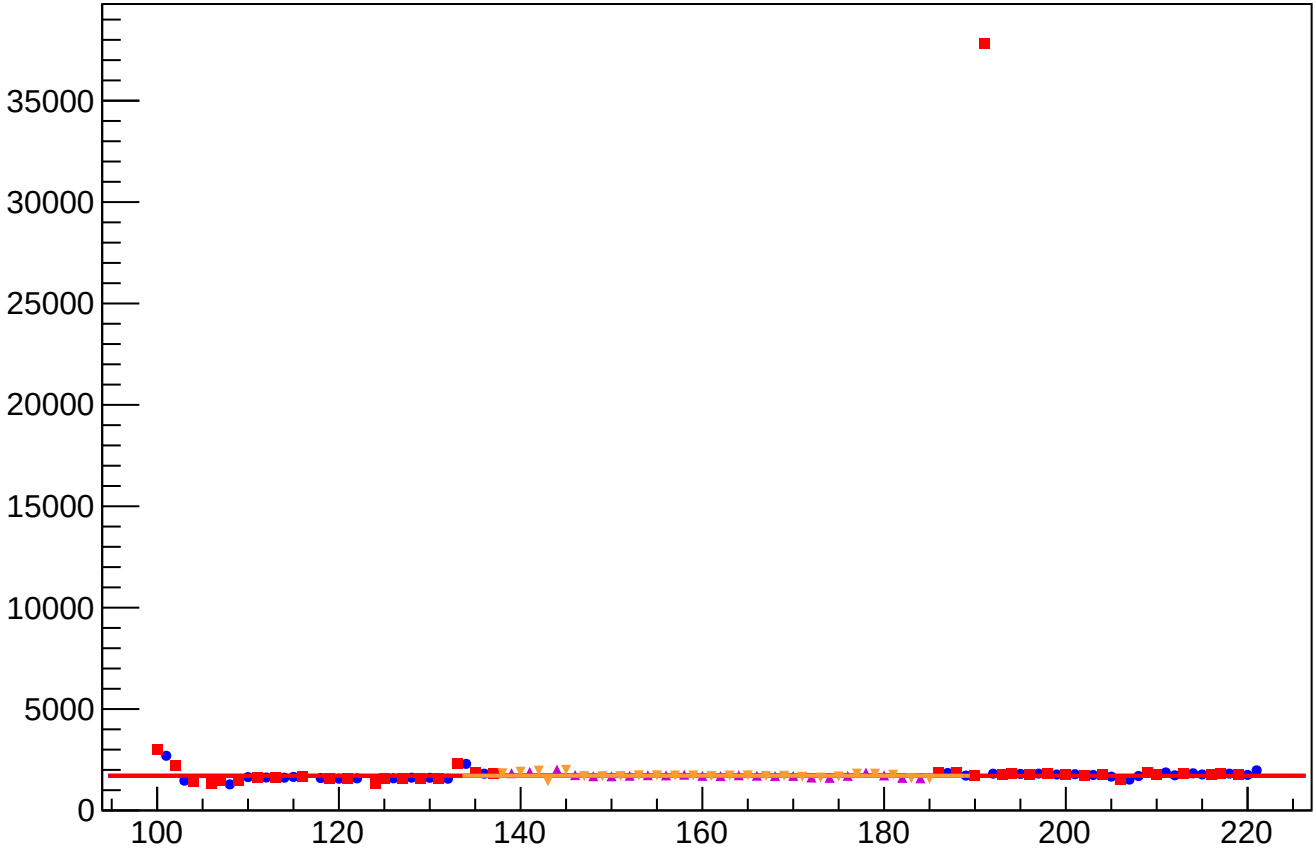
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 740.253+/-269.246 χ^2/NDF: 56.1/58

All: 467.516+/-192.257 χ^2/NDF: 107.9/118

- sign 183.783+/-274.620 χ^2/NDF: 49.7/59

dit_asym_at2_dd_rms vs Slug



Right In: 1713.601+/-0.263 χ^2/NDF: 486563.6/33

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.8/36

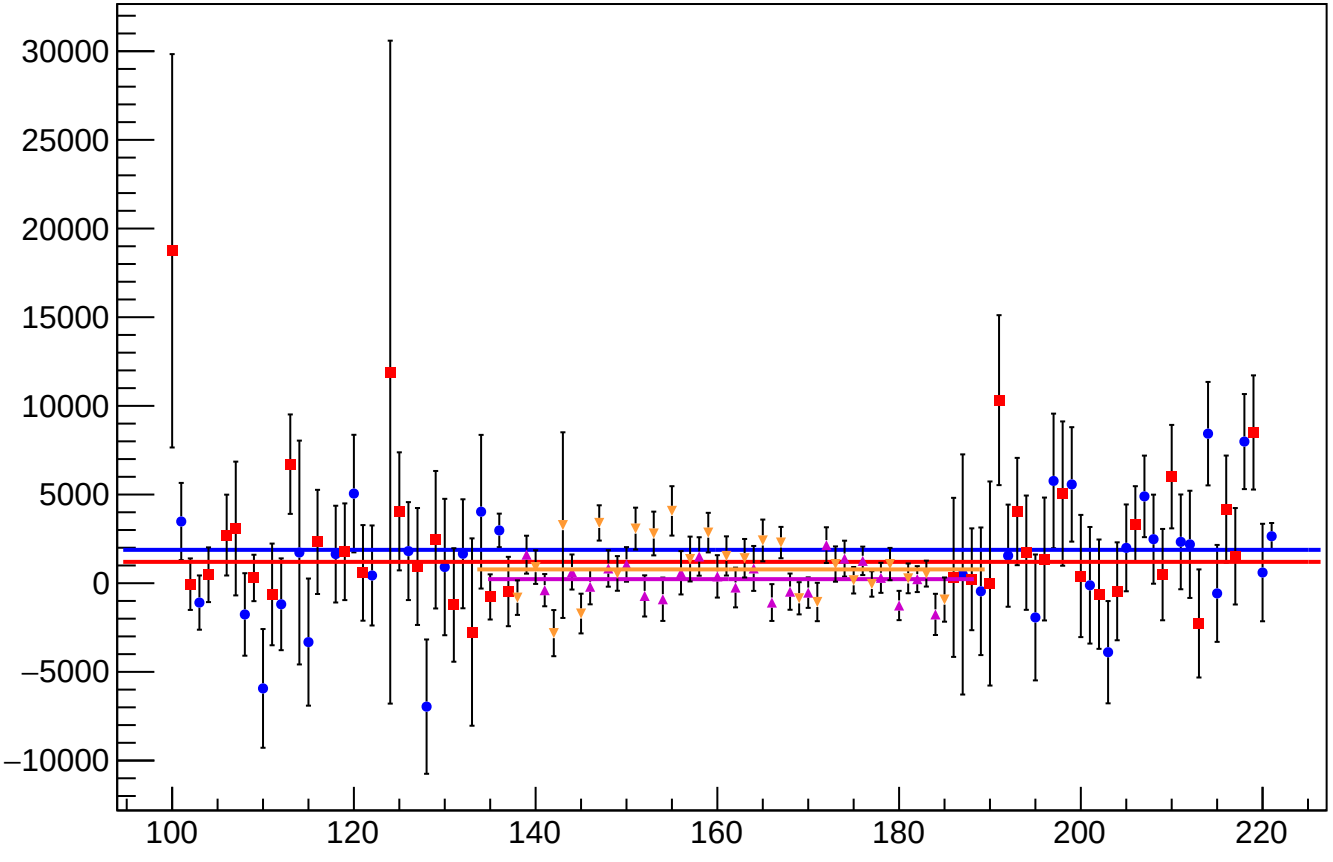
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1712.699+/-0.190 χ^2/NDF: 654594.5/58

All: 1715.177+/-0.136 χ^2/NDF: 1350086.1/11

- sign 1717.754+/-0.194 χ^2/NDF: 695146.0/59

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1881.087+/-382.970 χ^2/NDF: 46.5/33

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 1203.023+/-426.358 χ^2/NDF: 32.2/36

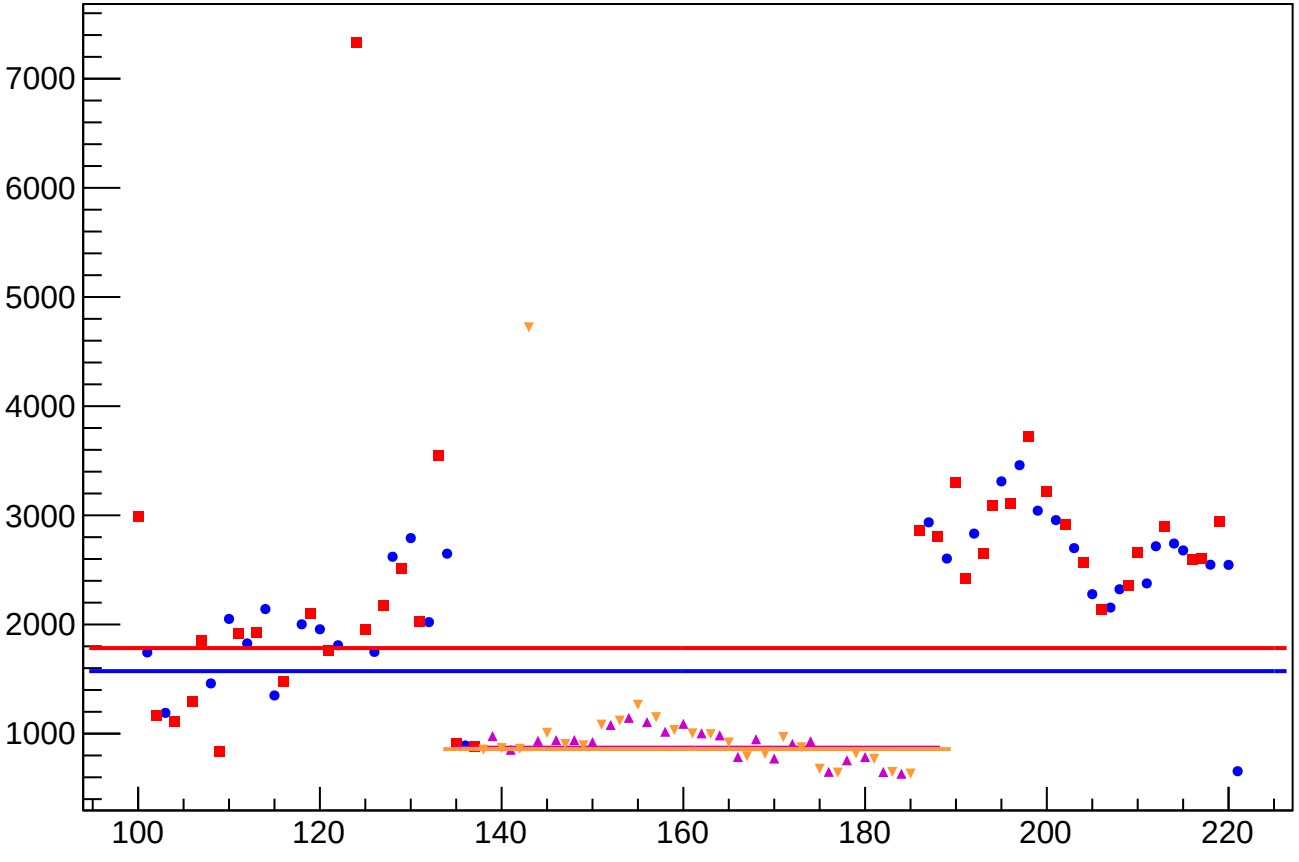
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 1018.188+/-178.421 χ^2/NDF: 107.5/58

All: 728.779+/-128.758 χ^2/NDF: 172.1/118

- sign 414.269+/-185.997 χ^2/NDF: 59.1/59

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1572.540+/-0.271 χ^2/NDF: 9677319.6/33

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1783.920+/-0.301 χ^2/NDF: 7592197.6/36

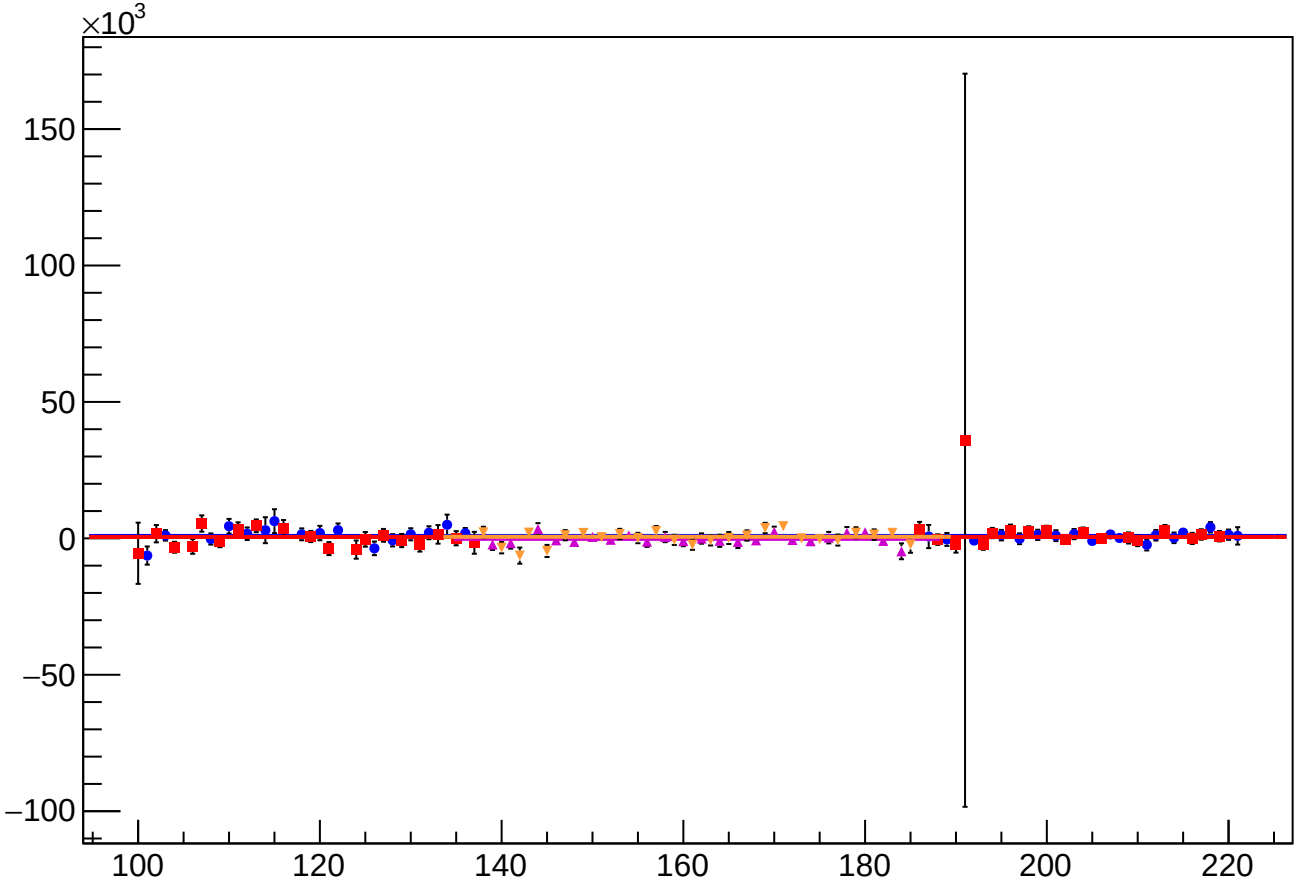
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1013.555+/-0.126 χ^2/NDF: 17399184.9/58

All: 1028.703+/-0.091 χ^2/NDF: 33416722.1/1

- sign 1045.165+/-0.132 χ^2/NDF: 15987454.2/59

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 886.238+/-372.370 χ^2/NDF: 23.8/33

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 500.989+/-374.351 χ^2/NDF: 33.7/36

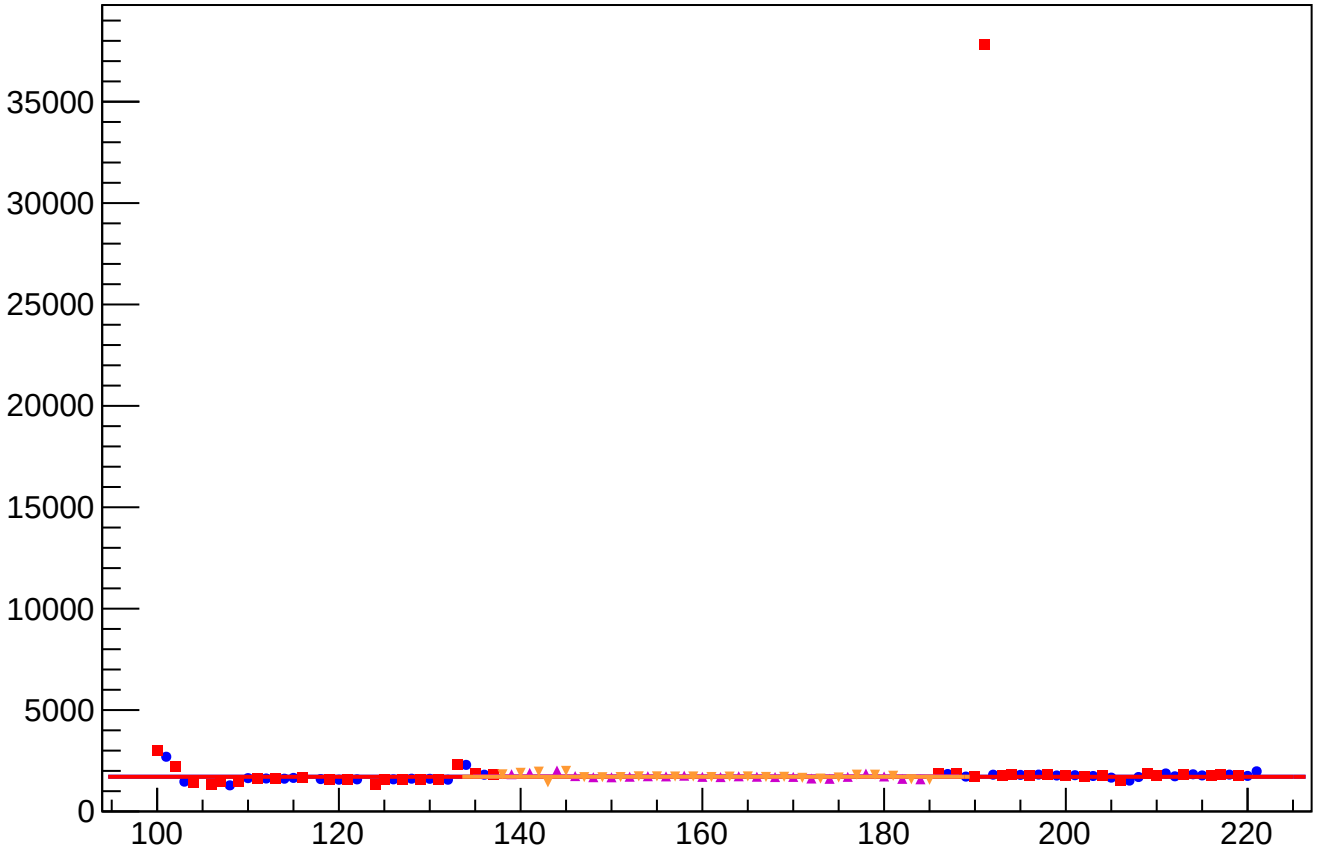
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 740.247+/-269.246 χ^2/NDF: 56.1/58

All: 467.511+/-192.257 χ^2/NDF: 107.9/118

- sign 183.780+/-274.620 χ^2/NDF: 49.7/59

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1713.600+/-0.263 χ^2/NDF: 486563.5/33

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.9/36

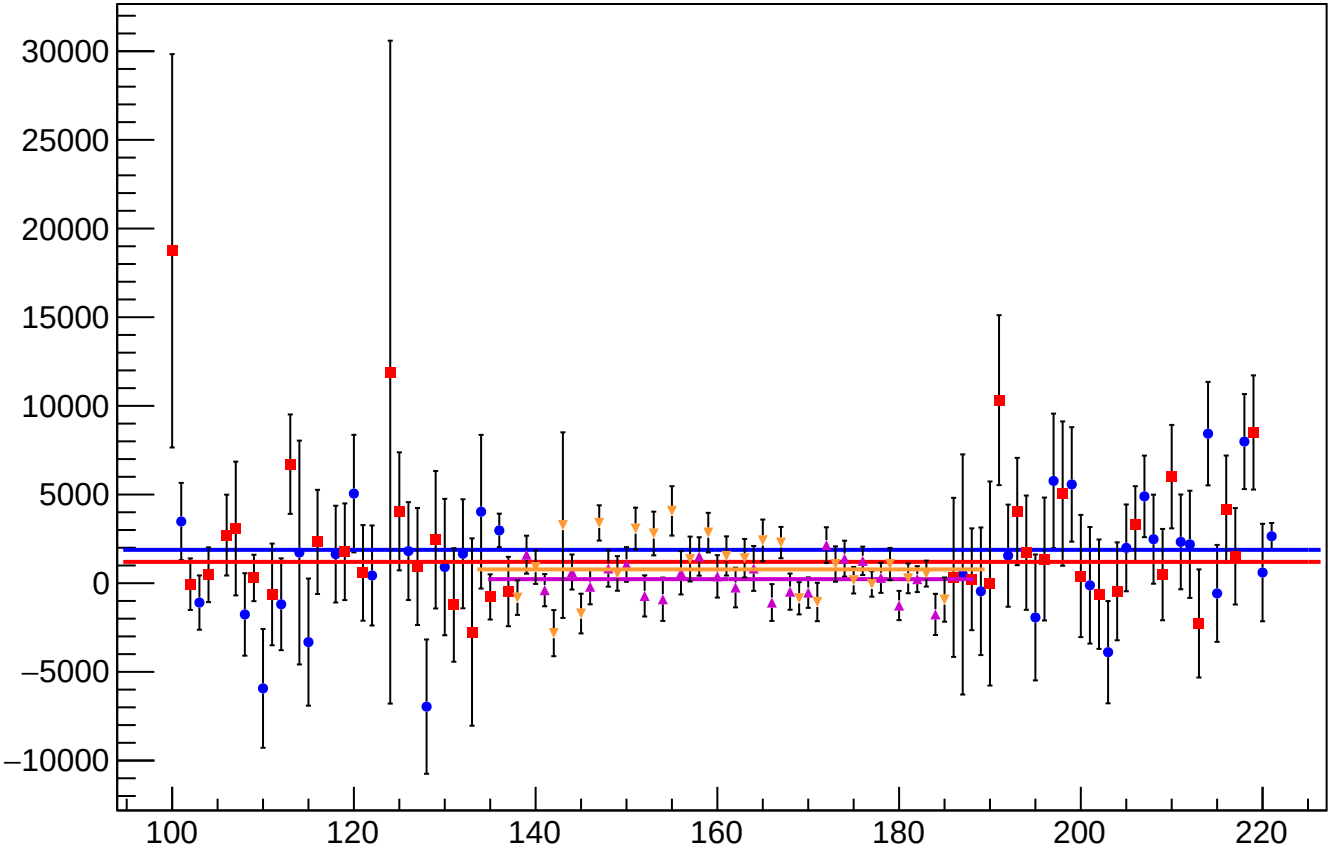
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1712.699+/-0.190 χ^2/NDF: 654593.2/58

All: 1715.177+/-0.136 χ^2/NDF: 1350084.8/11

- sign 1717.754+/-0.194 χ^2/NDF: 695146.0/59

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1881.088+/-382.971 χ^2/NDF: 46.5/33

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 1203.035+/-426.360 χ^2/NDF: 32.2/36

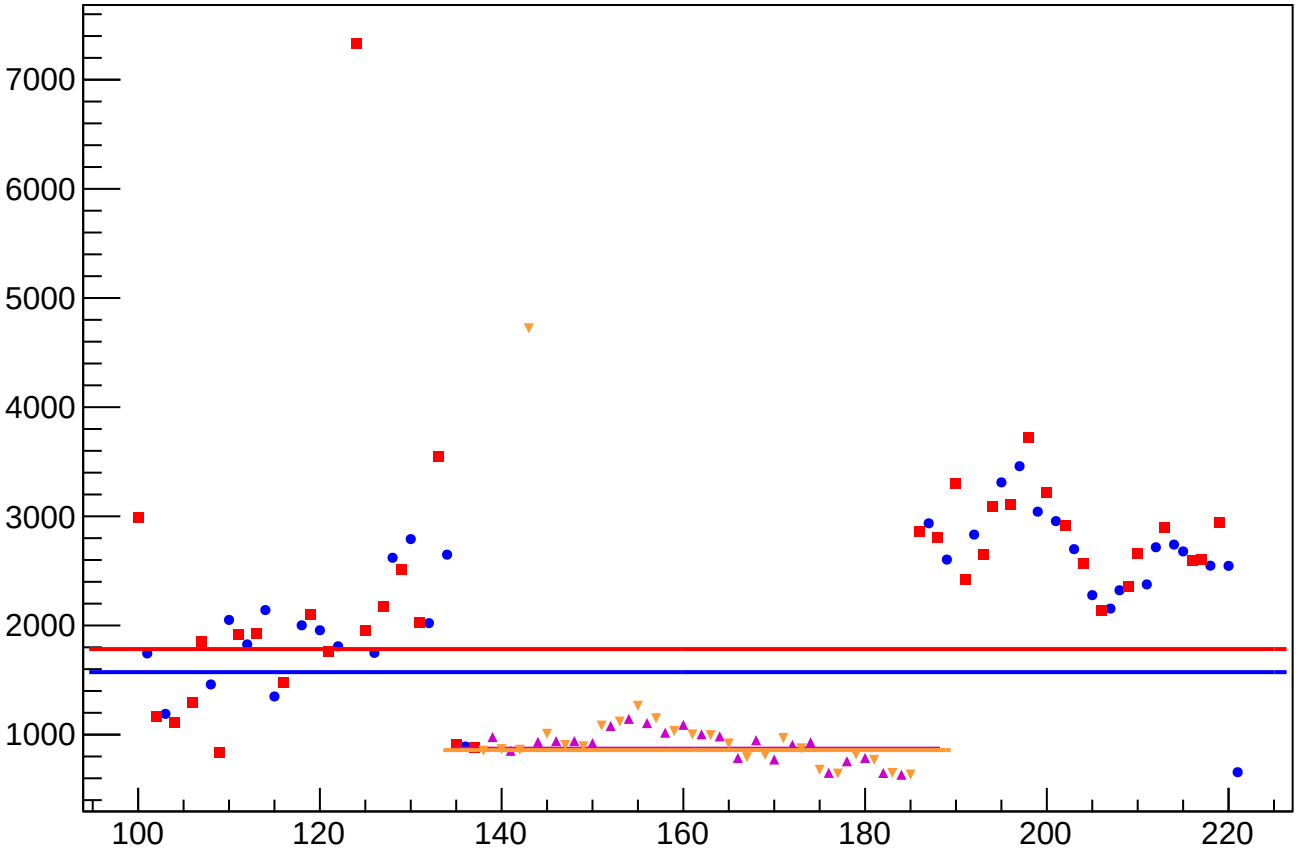
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 1018.190+/-178.421 χ^2/NDF: 107.5/58

All: 728.779+/-128.758 χ^2/NDF: 172.1/118

- sign 414.268+/-185.997 χ^2/NDF: 59.1/59

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1572.547+/-0.271 χ^2/NDF: 9677176.1/33

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1783.933+/-0.301 χ^2/NDF: 7592018.4/36

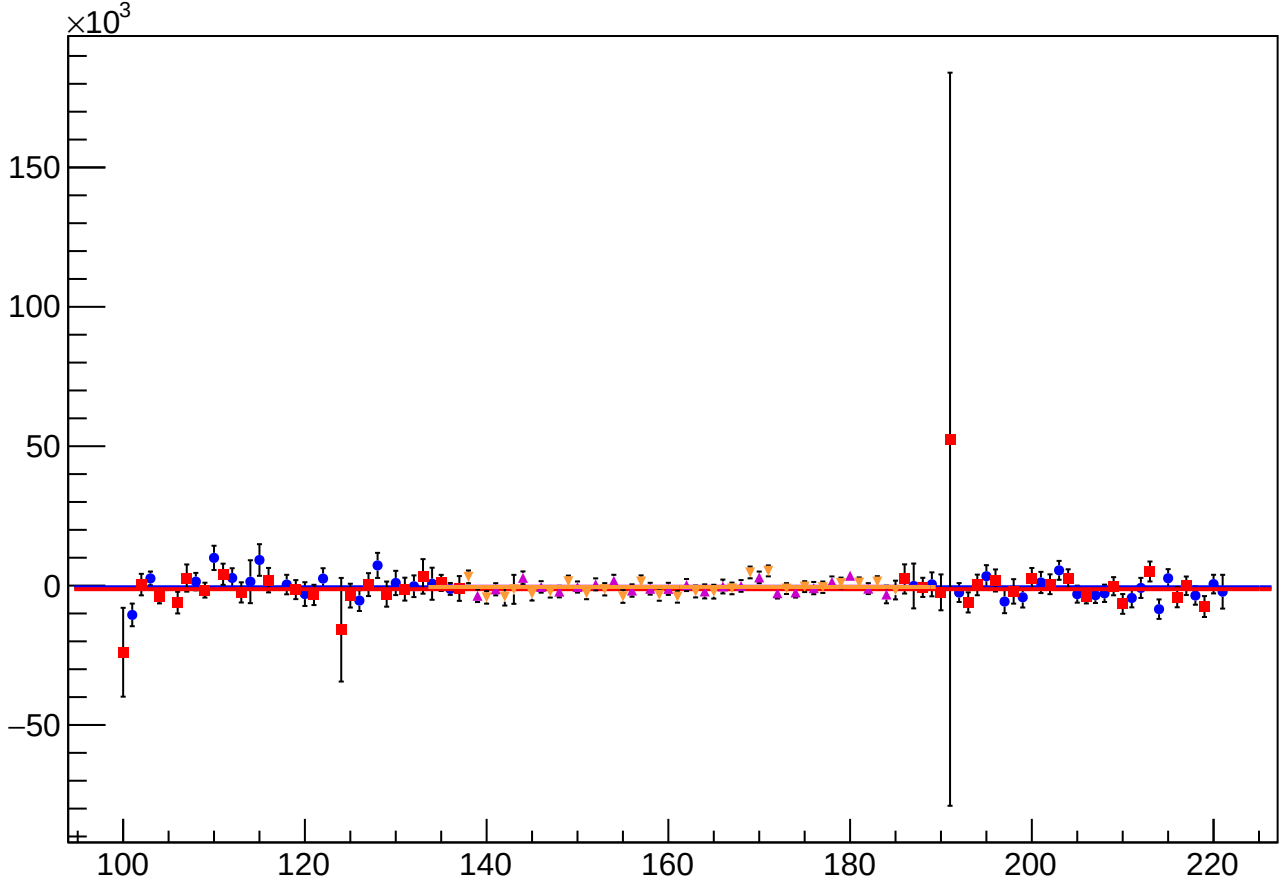
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1013.556+/-0.126 χ^2/NDF: 17399118.4/58

All: 1028.704+/-0.091 χ^2/NDF: 33416656.2/1

- sign 1045.165+/-0.132 χ^2/NDF: 15987456.9/59

asym_at2_dd_mean vs Slug



Right In: -603.043+/-619.422 χ^2/NDF: 41.7/33

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1285.934+/-627.049 χ^2/NDF: 26.5/36

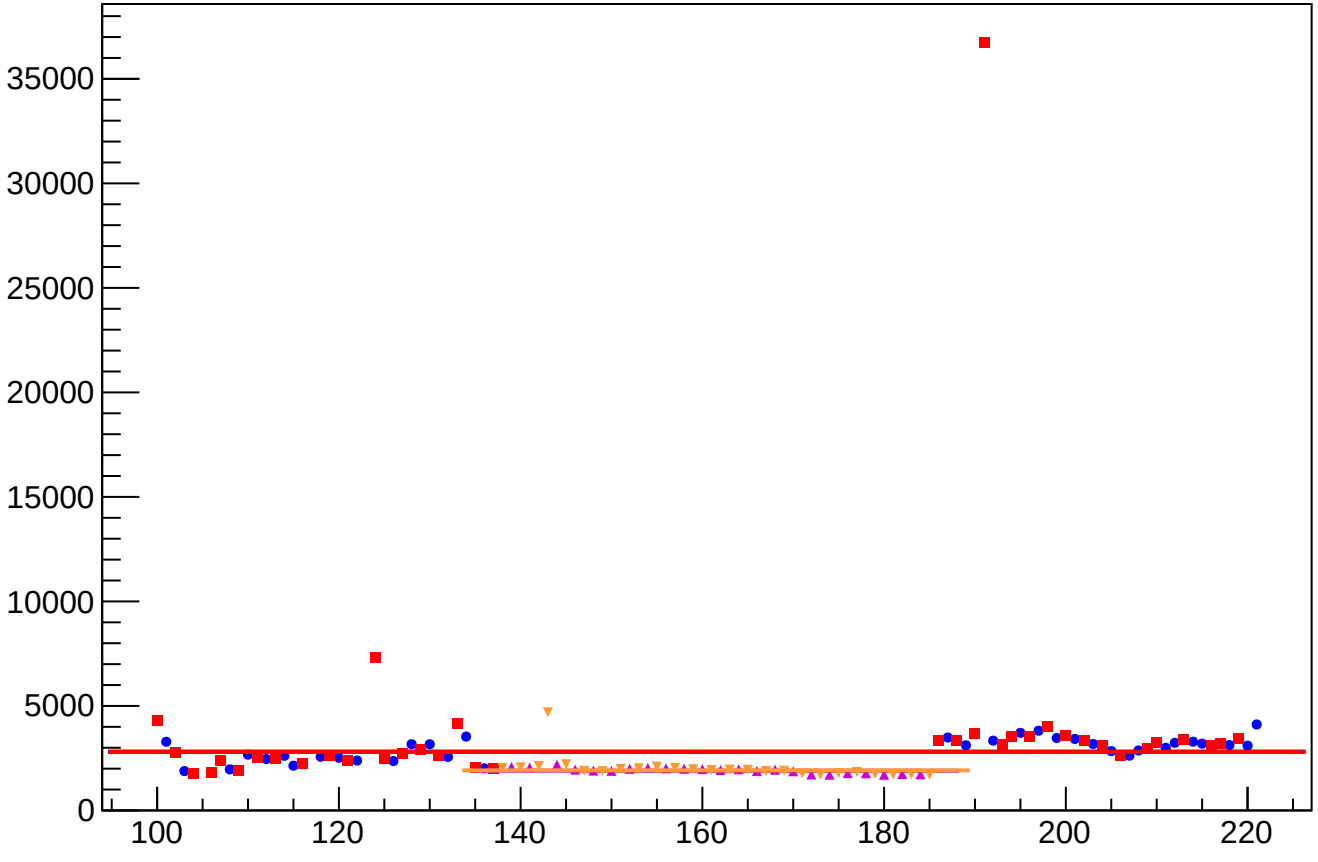
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -535.557+/-358.666 χ^2/NDF: 77.6/58

All: -618.792+/-255.019 χ^2/NDF: 124.4/118

- sign -703.896+/-362.670 χ^2/NDF: 46.7/59

asym_at2_dd_rms vs Slug



Right In: 2814.576+/-0.438 χ^2/NDF: 1589526.8/33

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2801.725+/-0.443 χ^2/NDF: 2176279.3/36

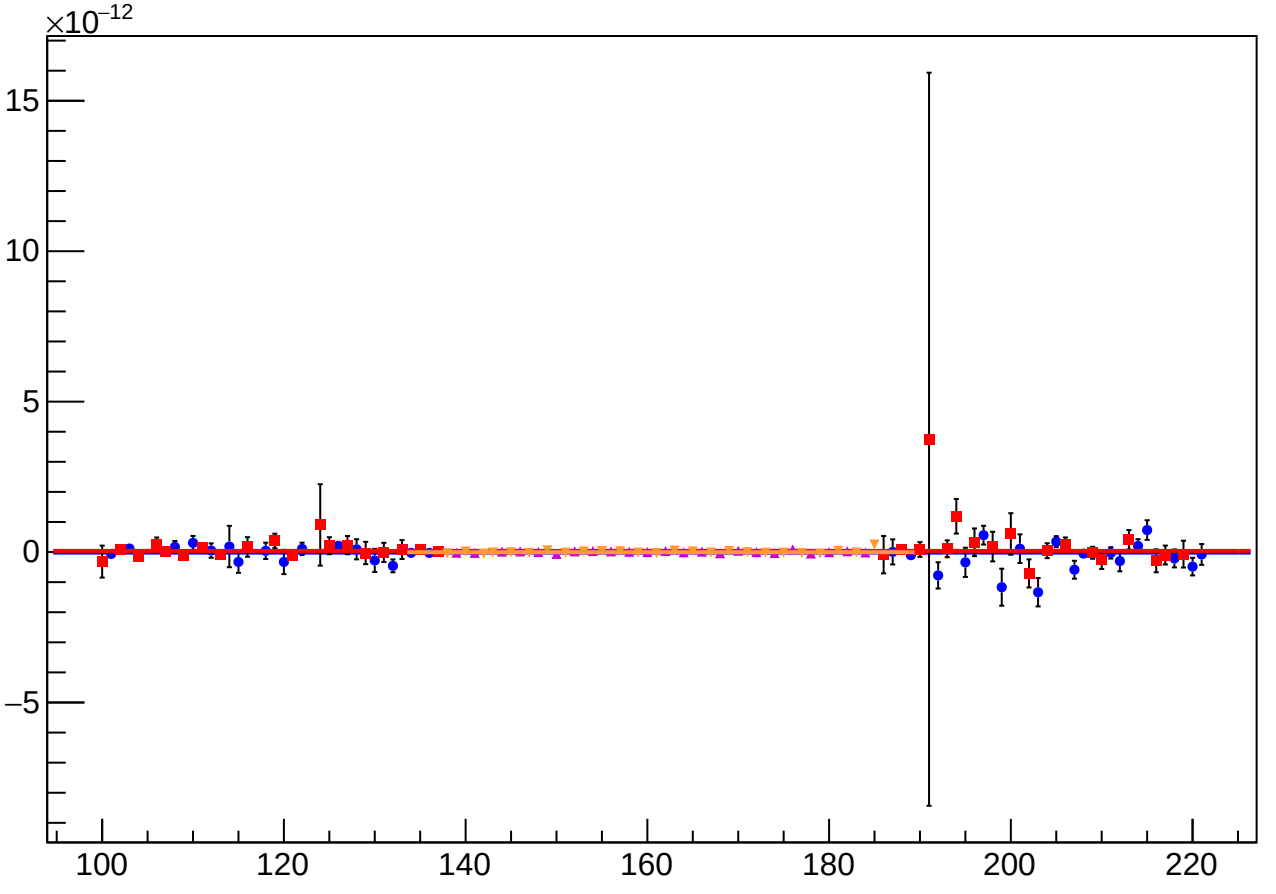
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2218.044+/-0.254 χ^2/NDF: 5136452.6/58

All: 2209.687+/-0.180 χ^2/NDF: 10245328.6/1

- sign 2201.143+/-0.256 χ^2/NDF: 5106680.0/59

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 51.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

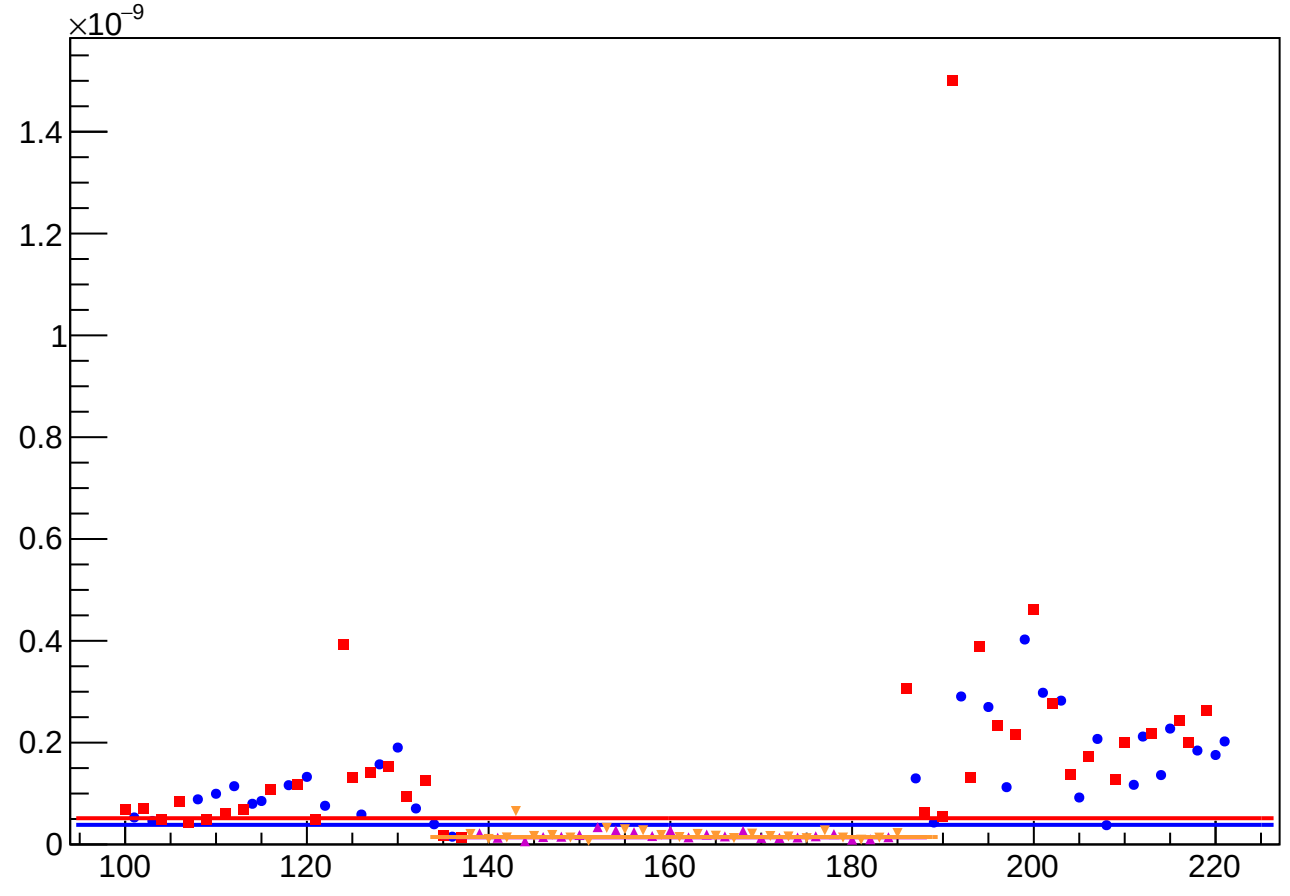
Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/36

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.0/58

All: 0.000+/-0.000 χ^2/NDF: 137.5/118

- sign 0.000+/-0.000 χ^2/NDF: 53.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 10486425.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9364314.0/36

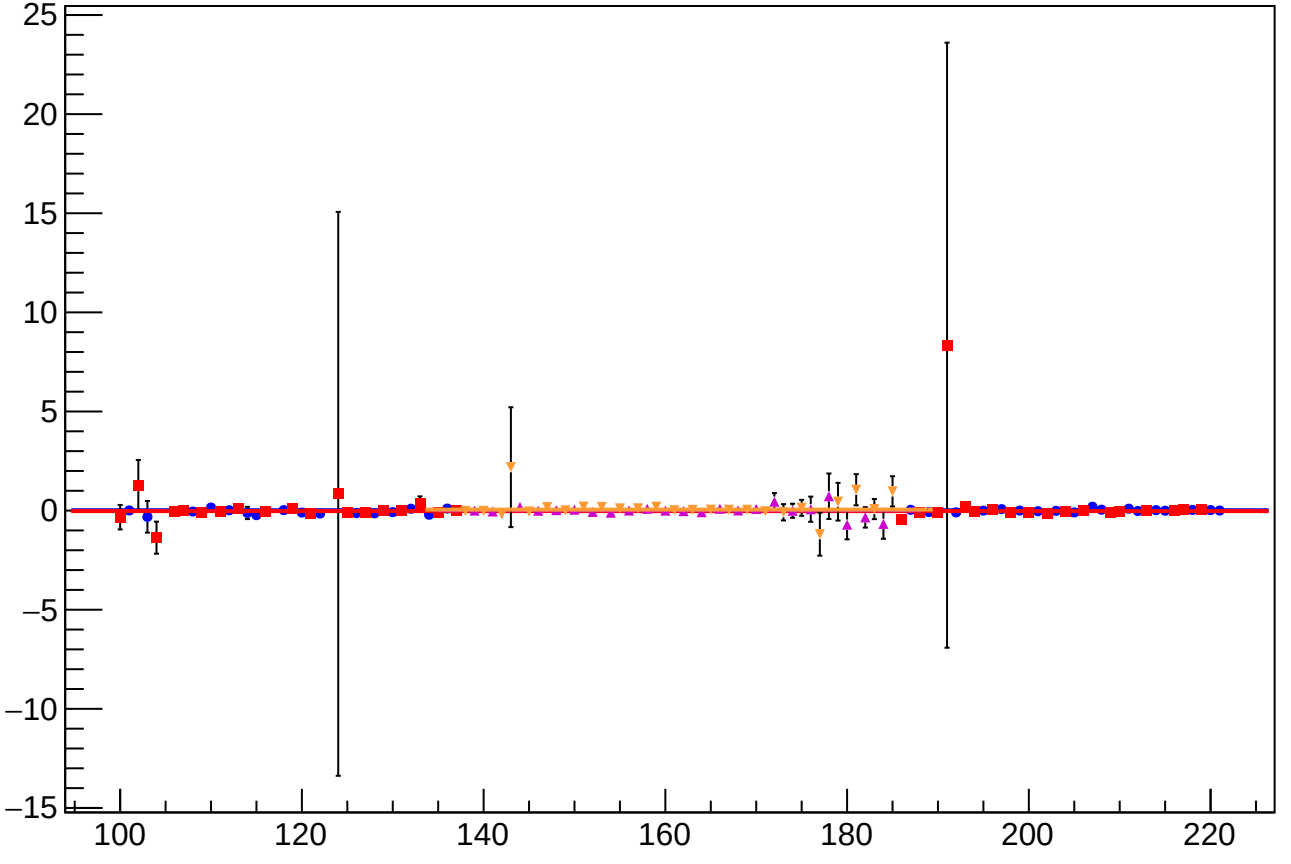
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14844278.1/58

All: 0.000+/-0.000 χ^2/NDF: 30169340.2/118

- sign 0.000+/-0.000 χ^2/NDF: 15314174.3/59

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

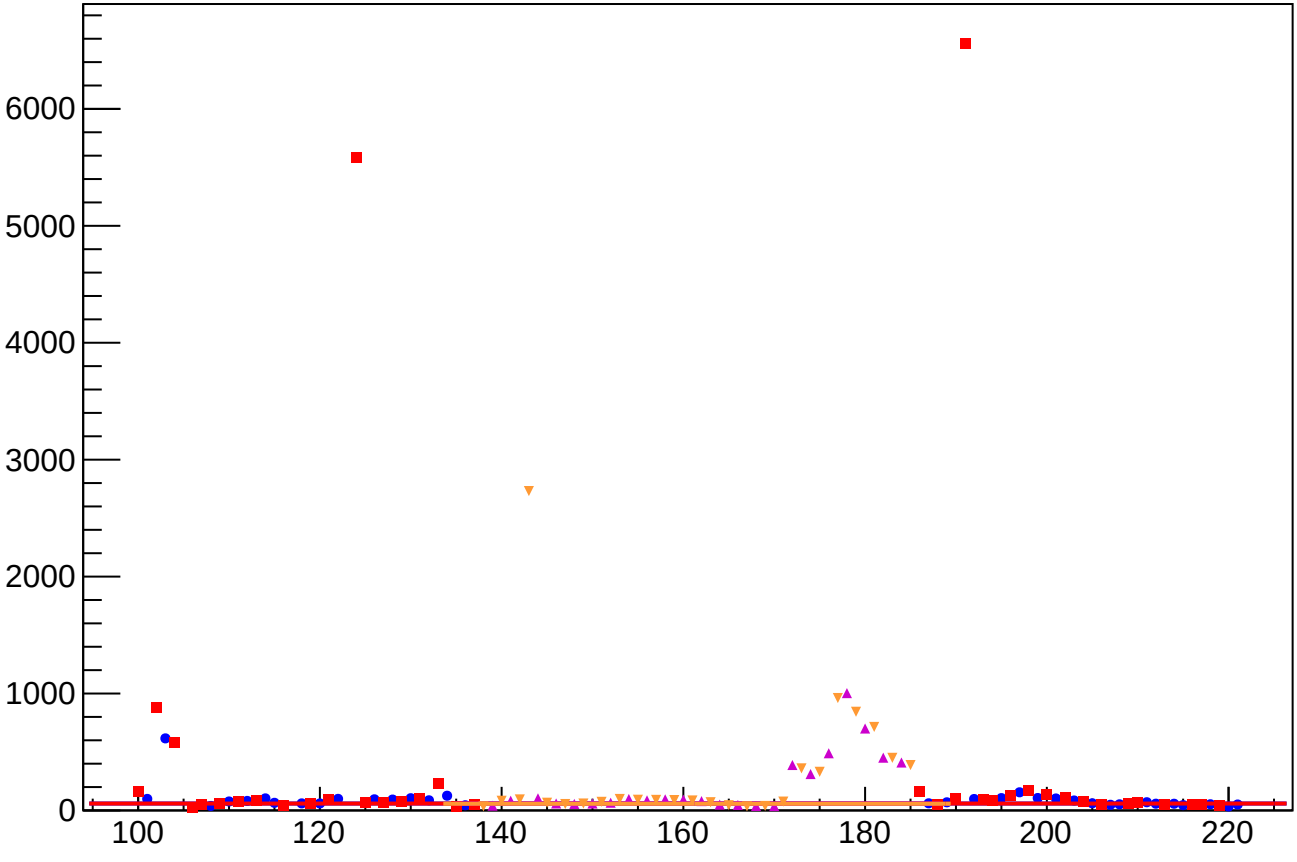
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 110.5/118

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 59.310+/-0.010 χ^2/NDF: 5429042.9/33

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

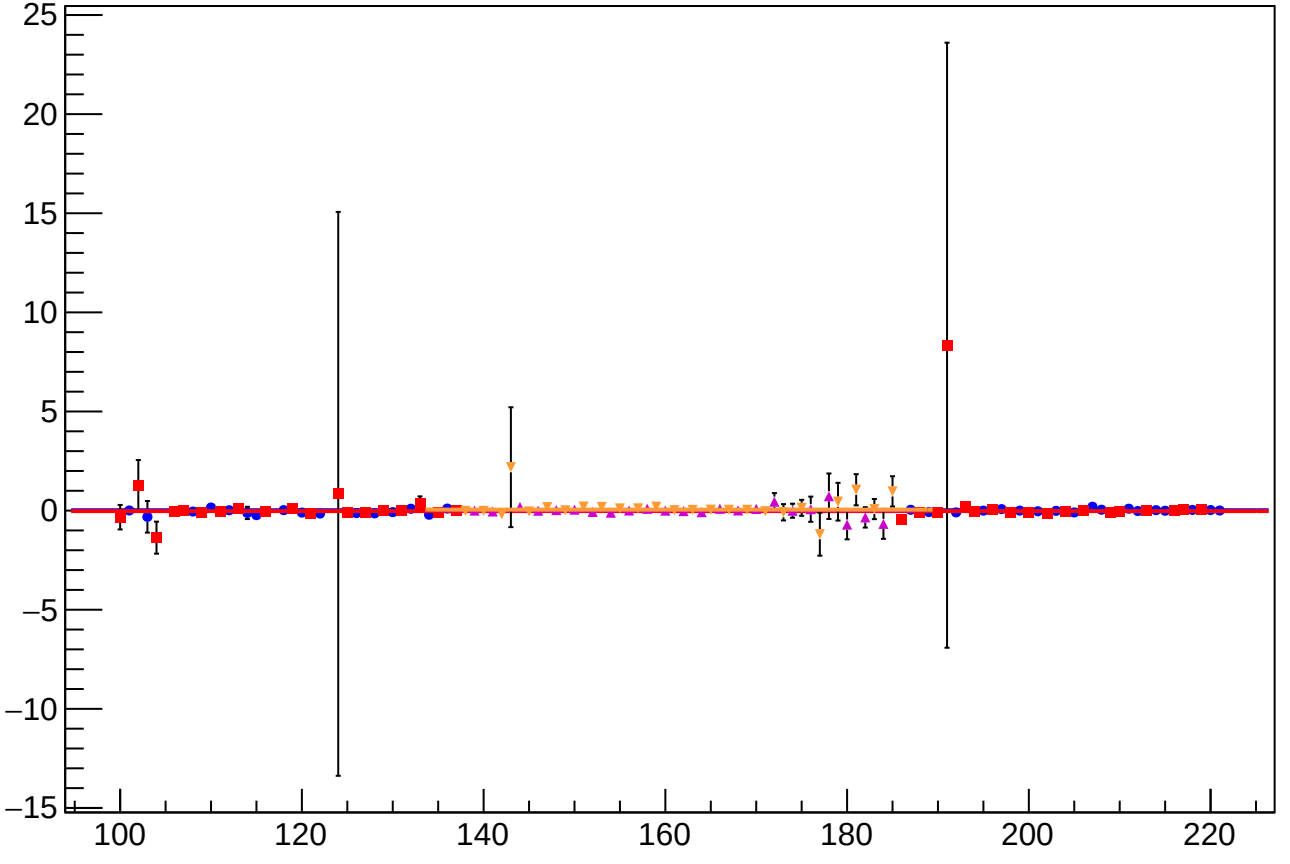
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

\+ sign 58.445+/-0.008 χ^2/NDF: 17767829.3/58

All: 58.635+/-0.006 χ^2/NDF: 35567460.0/118

\- sign 58.834+/-0.008 χ^2/NDF: 17798416.5/59

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

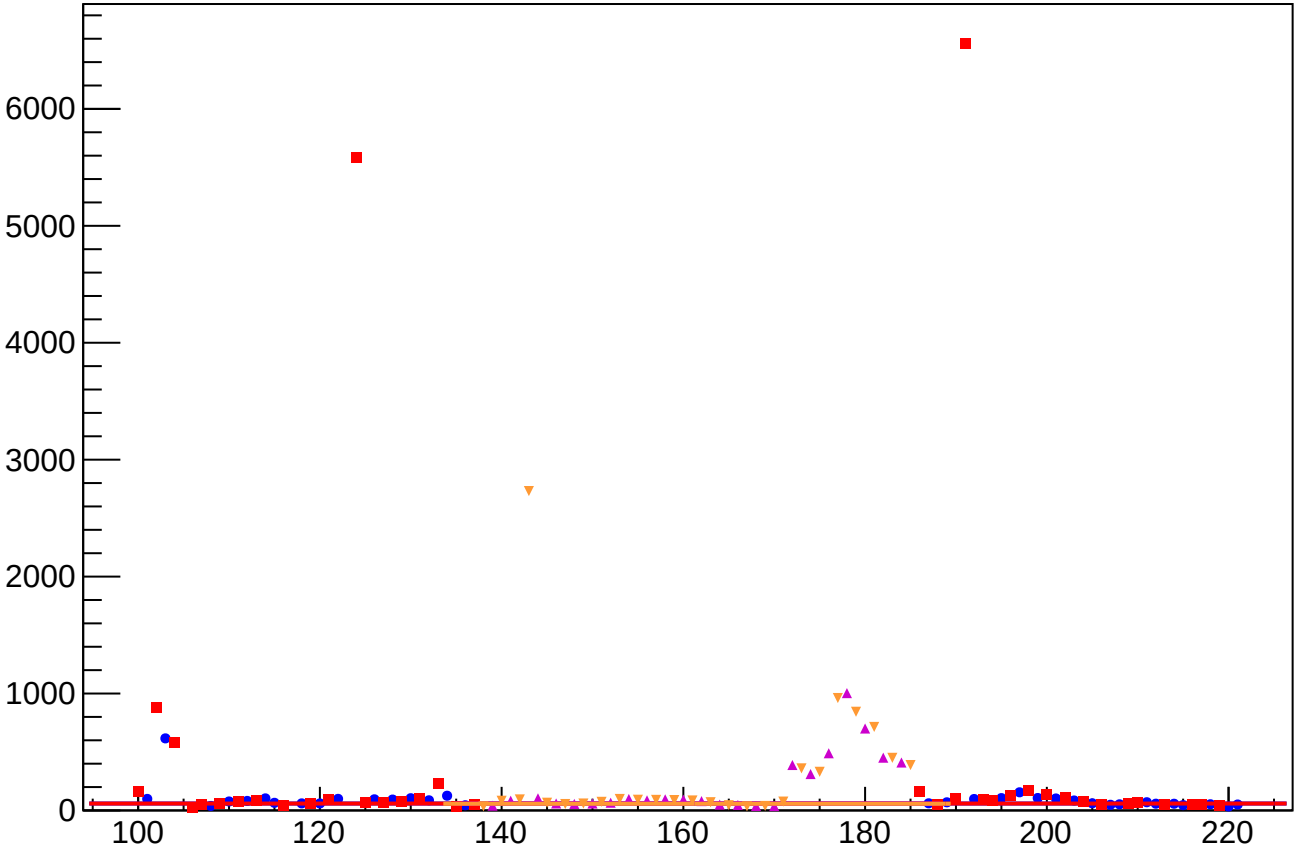
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 110.5/118

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.310+/-0.010 χ^2/NDF: 5429042.9/33

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

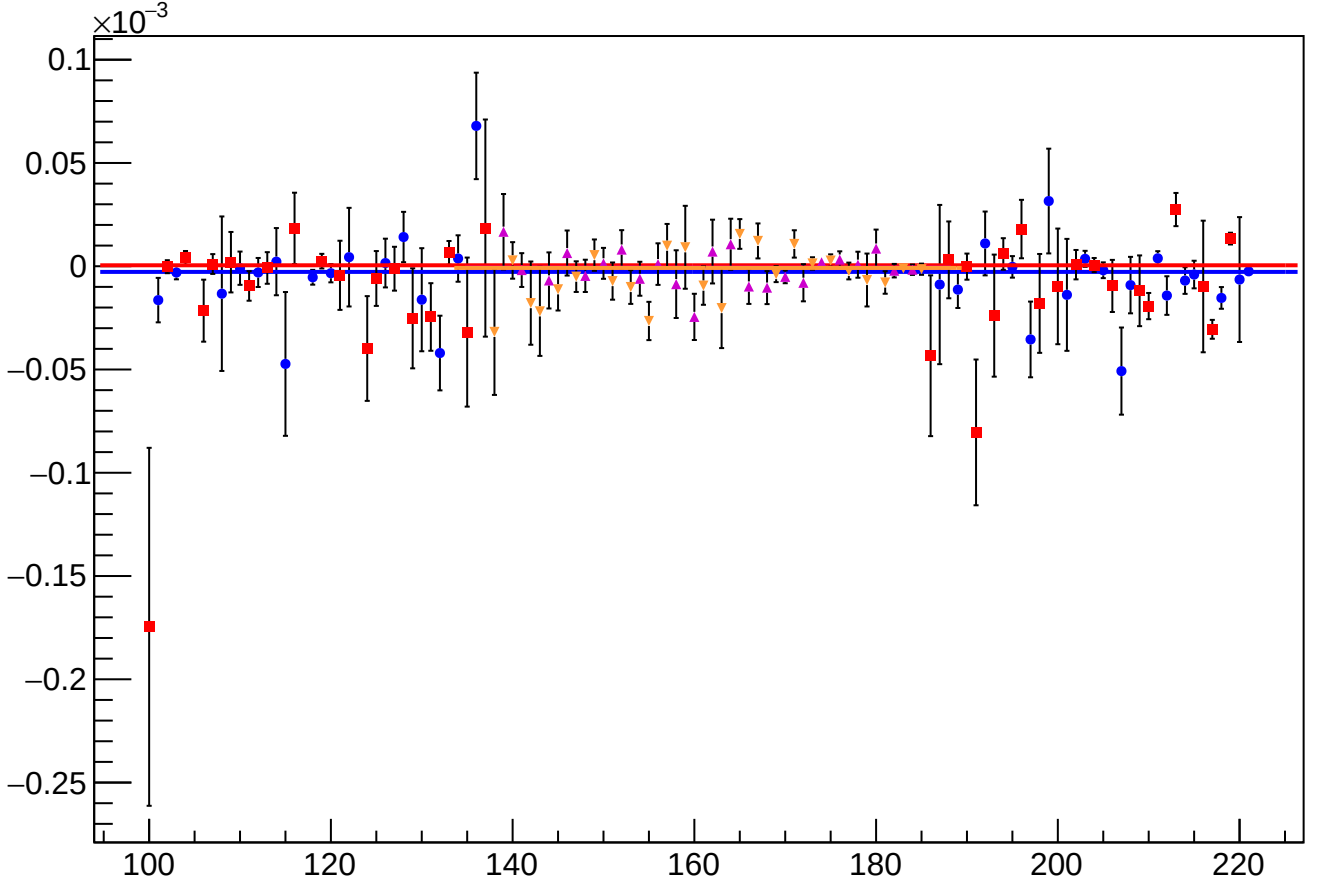
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 58.445+/-0.008 χ^2/NDF: 17767829.3/58

All: 58.635+/-0.006 χ^2/NDF: 35567460.0/118

- sign 58.834+/-0.008 χ^2/NDF: 17798416.5/59

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

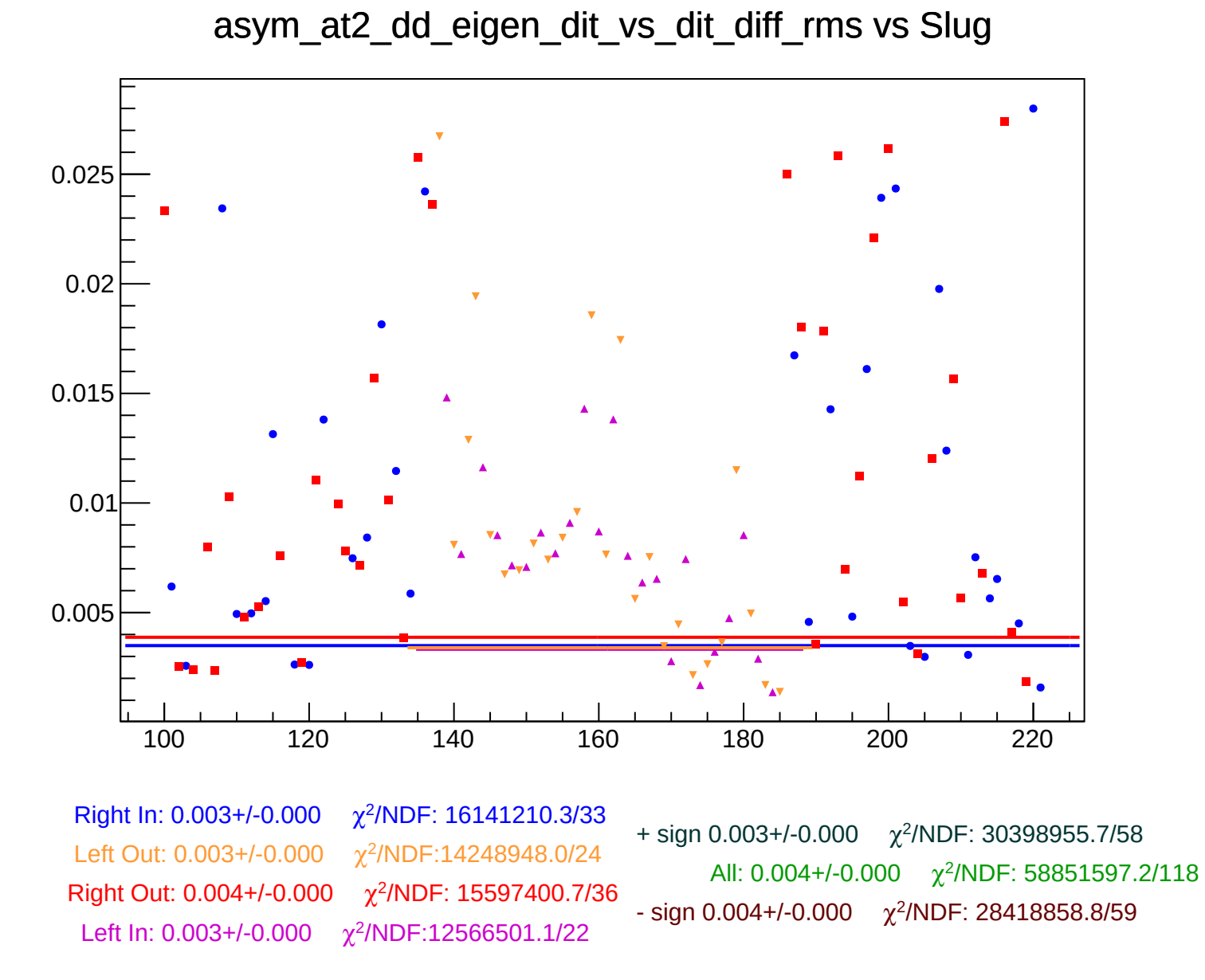
Right Out: 0.000+/-0.000 χ^2/NDF: 118.0/36

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

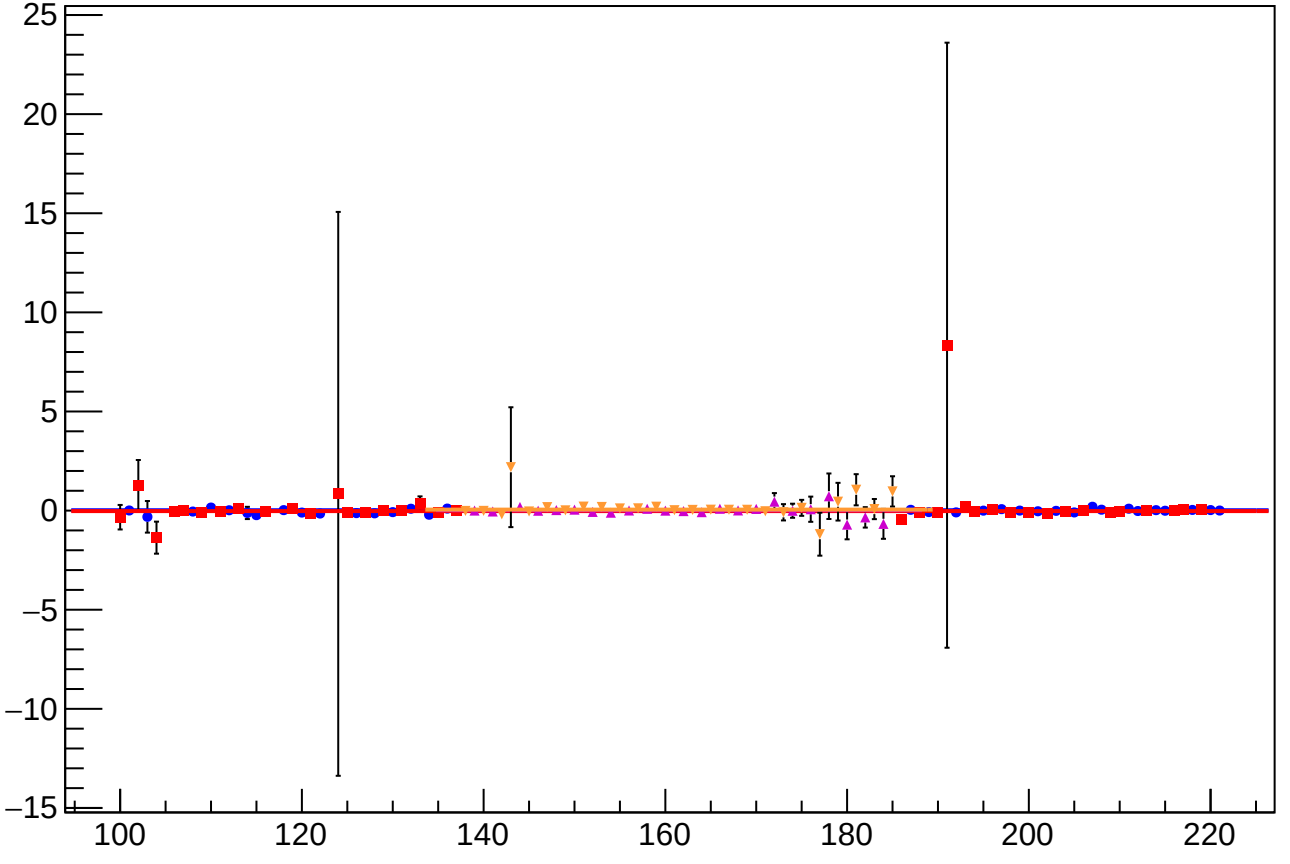
+ sign -0.000+/-0.000 χ^2/NDF: 80.2/58

All: -0.000+/-0.000 χ^2/NDF: 220.0/118

- sign -0.000+/-0.000 χ^2/NDF: 137.4/59


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
220
Right In: 0.003+/-0.000 χ²/NDF: 16141210.3/33
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 15597400.7/36
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.003+/-0.000 χ²/NDF: 30398955.7/58
All: 0.004+/-0.000 χ²/NDF: 58851597.2/118
- sign 0.004+/-0.000 χ²/NDF: 28418858.8/59

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

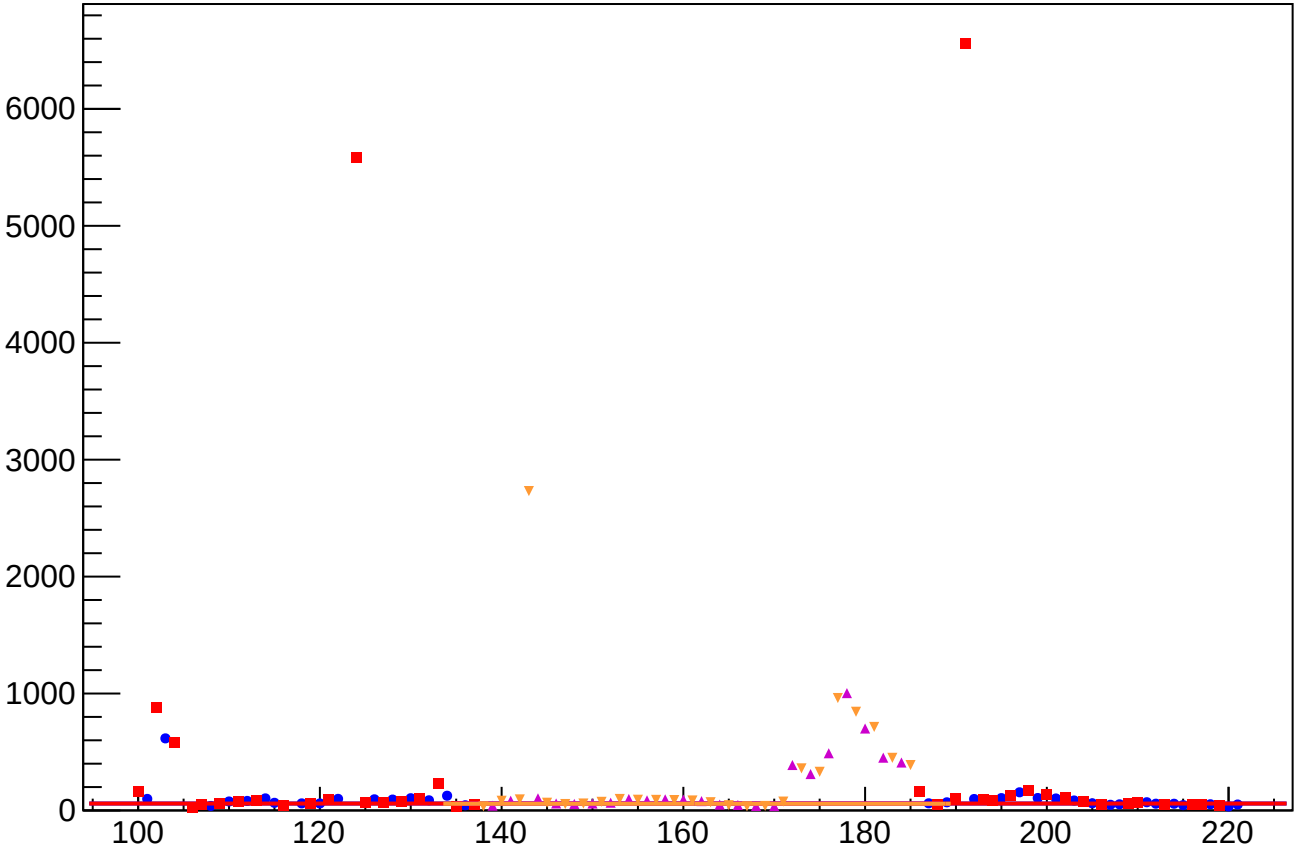
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 110.5/118

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.323+/-0.010 χ^2/NDF: 5424364.8/33

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

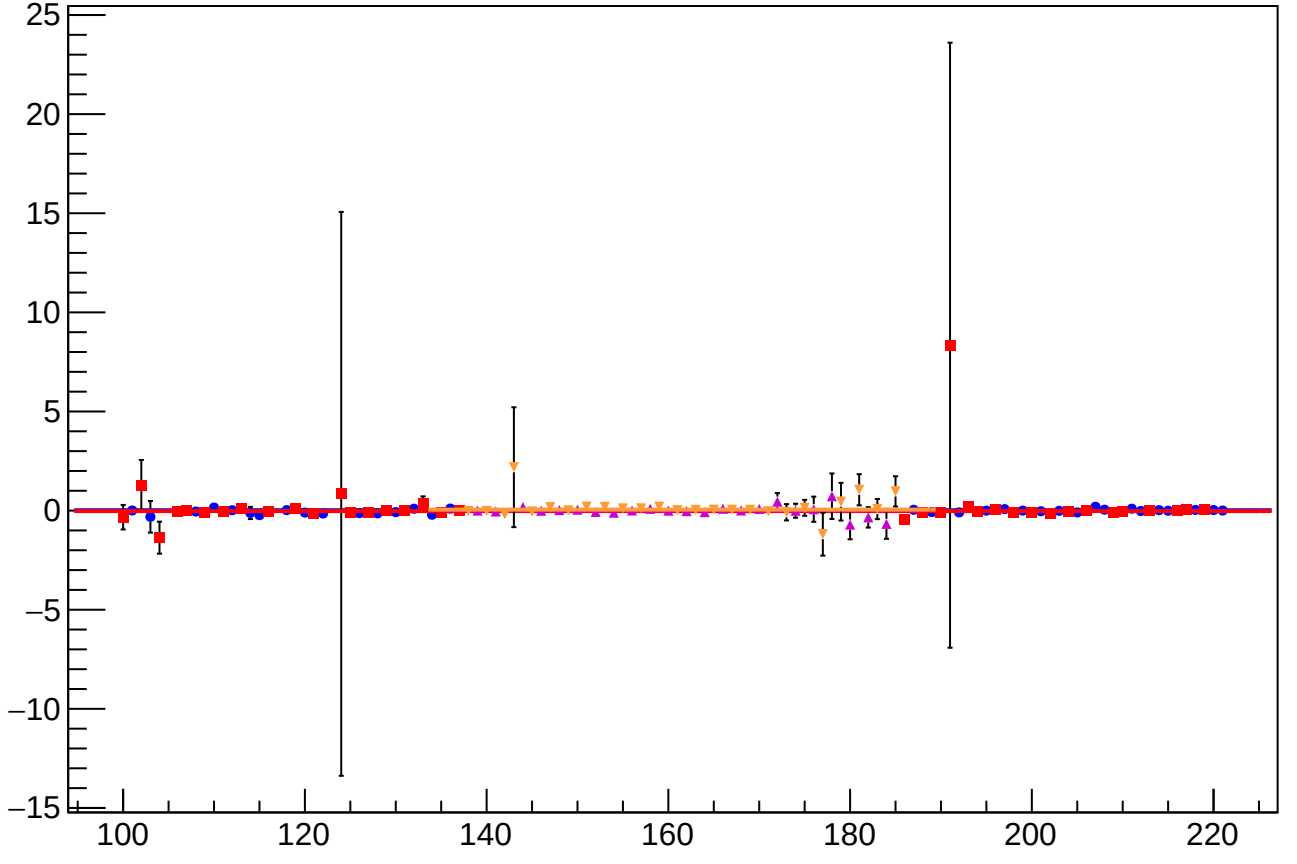
Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 58.451+/-0.008 χ^2/NDF: 17763114.7/58

All: 58.639+/-0.006 χ^2/NDF: 35563023.1/118

- sign 58.834+/-0.008 χ^2/NDF: 17798735.4/59



Right In: 0.018+/-0.015 χ^2/NDF: 30.8/33

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

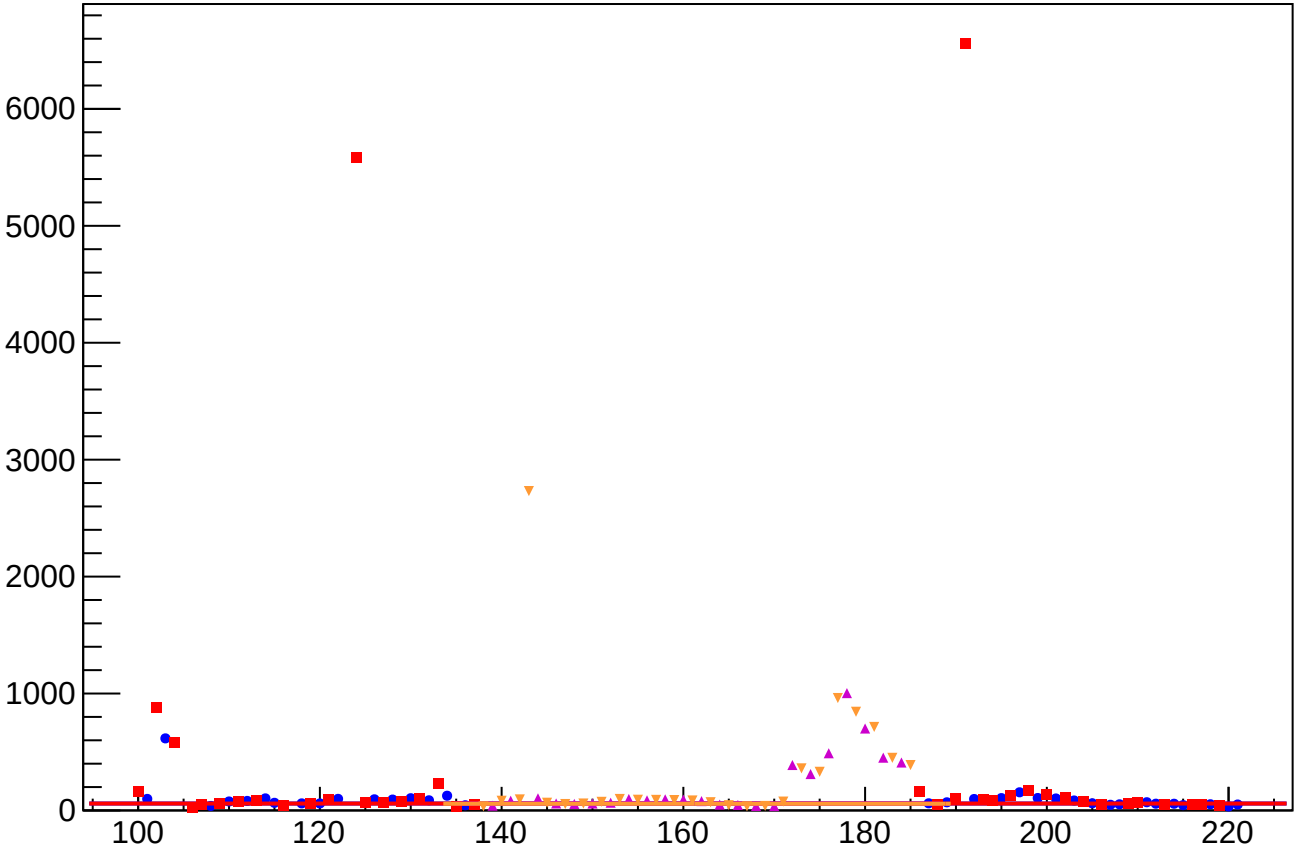
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.2/58

All: 0.013+/-0.008 χ^2/NDF: 110.5/118

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.323+/-0.010 χ^2/NDF: 5424364.8/33

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

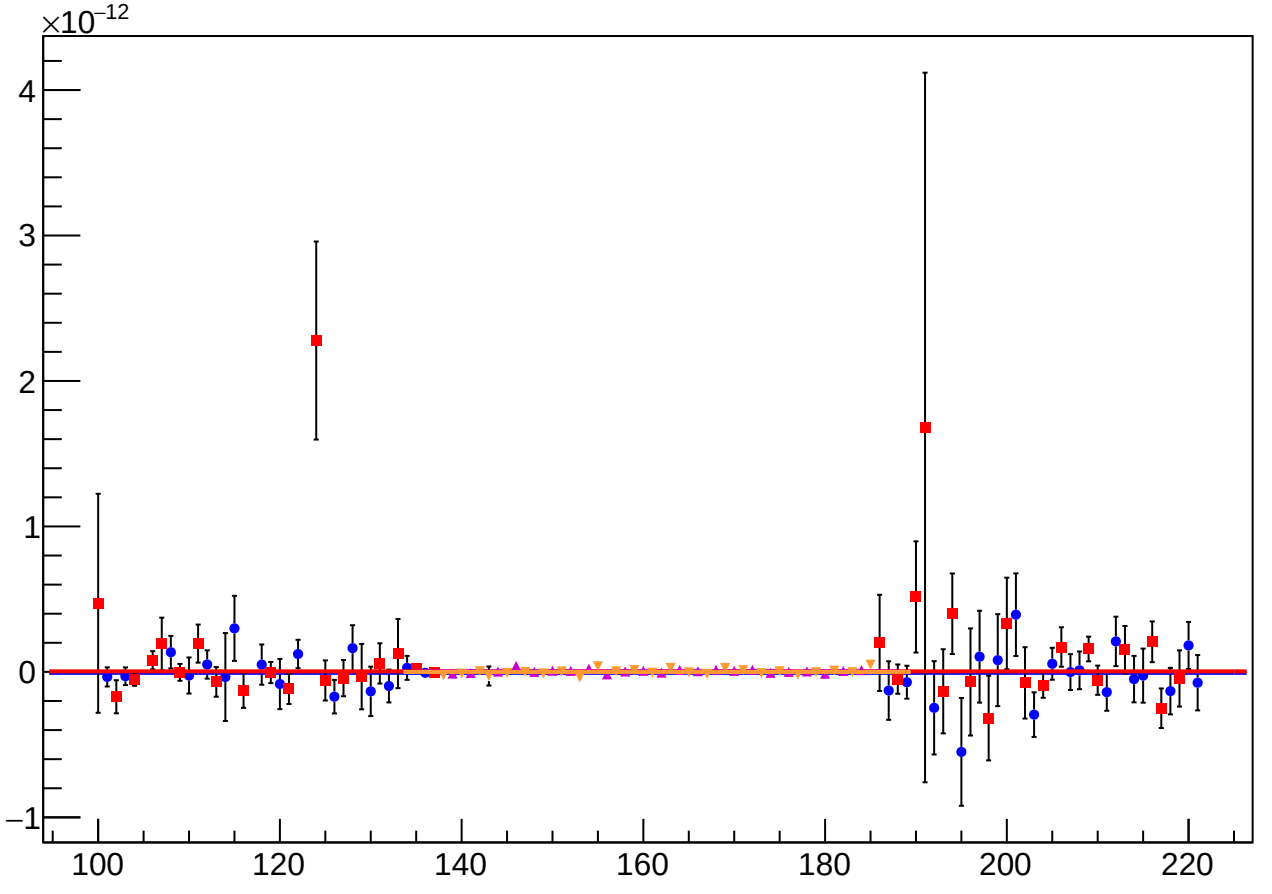
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 58.451+/-0.008 χ^2/NDF: 17763114.7/58

All: 58.639+/-0.006 χ^2/NDF: 35563023.1/118

- sign 58.834+/-0.008 χ^2/NDF: 17798735.4/59

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

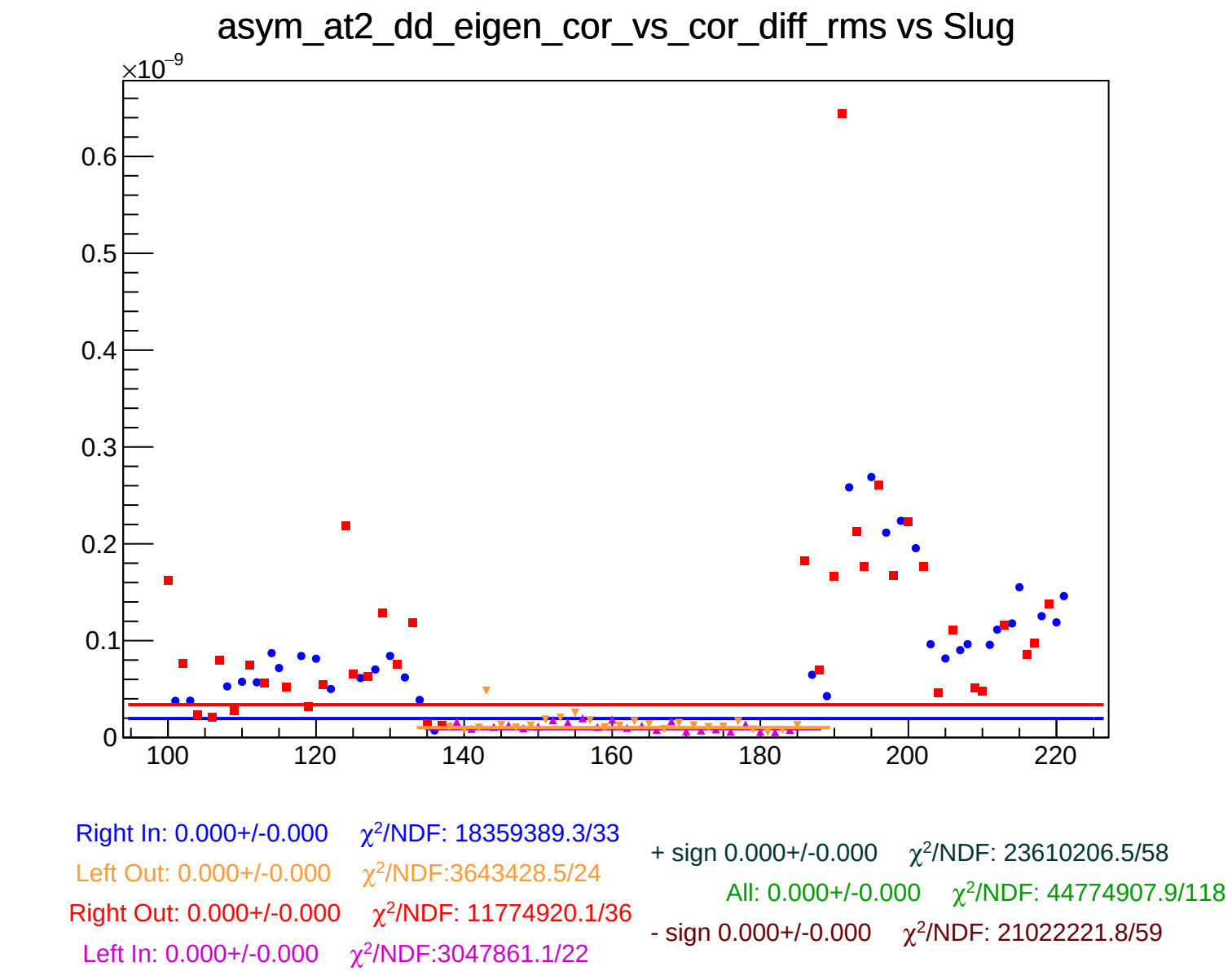
Right Out: 0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

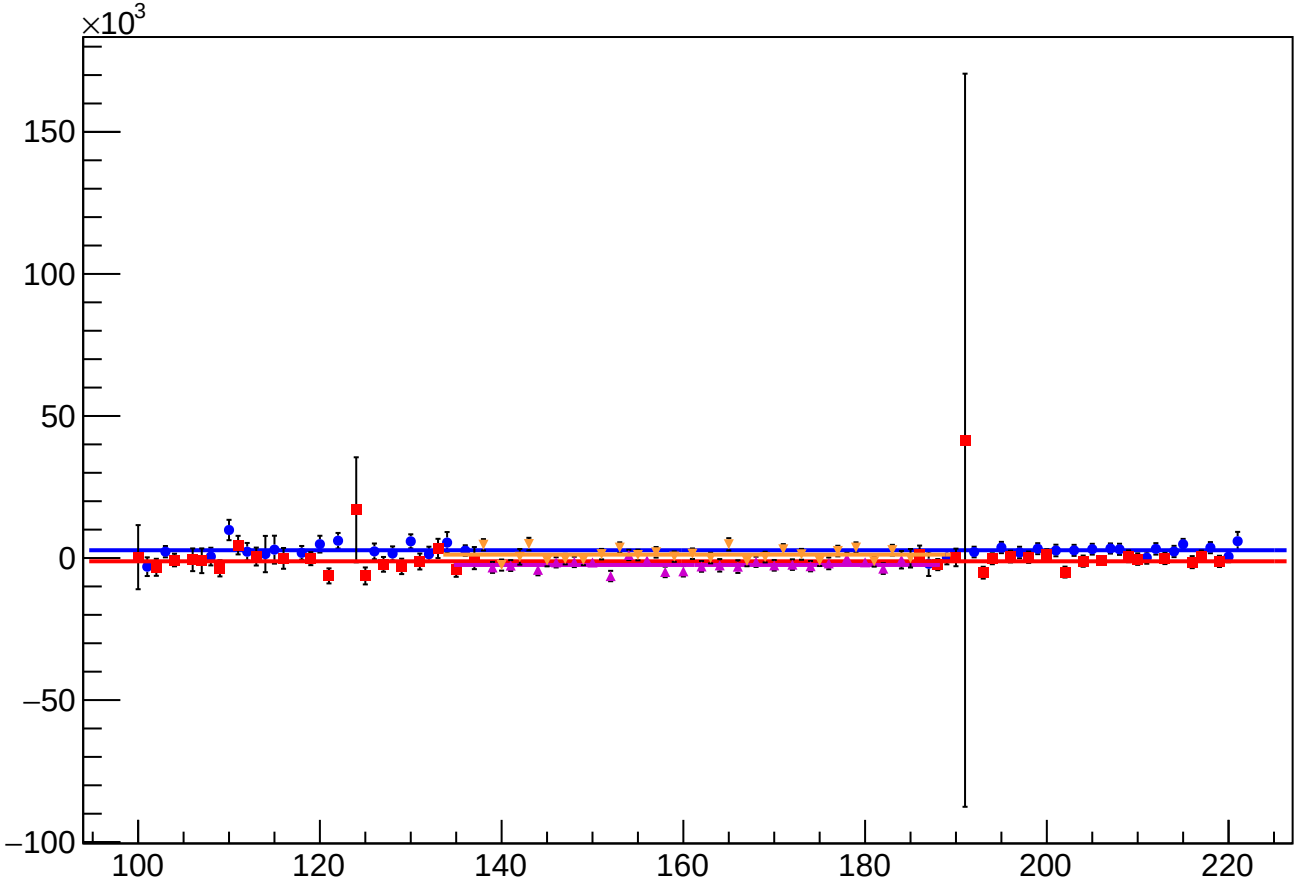
+ sign -0.000+/-0.000 χ^2/NDF: 44.3/58

All: 0.000+/-0.000 χ^2/NDF: 106.4/118

- sign 0.000+/-0.000 χ^2/NDF: 61.0/59


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 18359389.3/33
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11774920.1/36
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 23610206.5/58
All: 0.000+/-0.000 χ²/NDF: 44774907.9/118
- sign 0.000+/-0.000 χ²/NDF: 21022221.8/59

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2743.370+/-397.847 χ^2/NDF: 21.0/33

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1150.591+/-405.234 χ^2/NDF: 30.1/36

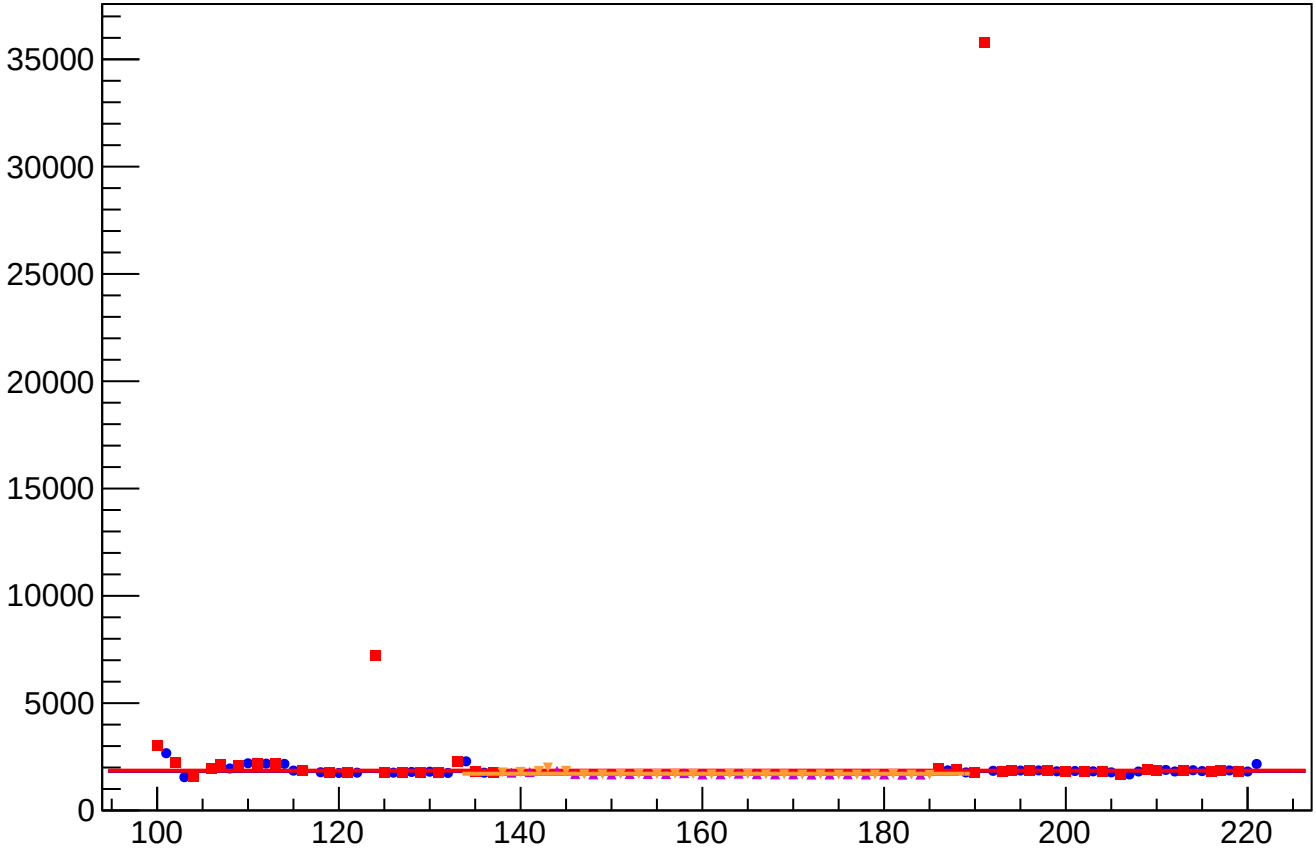
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1955.832+/-278.190 χ^2/NDF: 55.0/58

All: 113.174+/-198.712 χ^2/NDF: 197.3/118

- sign -1806.452+/-283.940 χ^2/NDF: 52.8/59

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1838.658+/-0.281 χ^2/NDF: 307797.2/33

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.684+/-0.286 χ^2/NDF: 544522.5/36

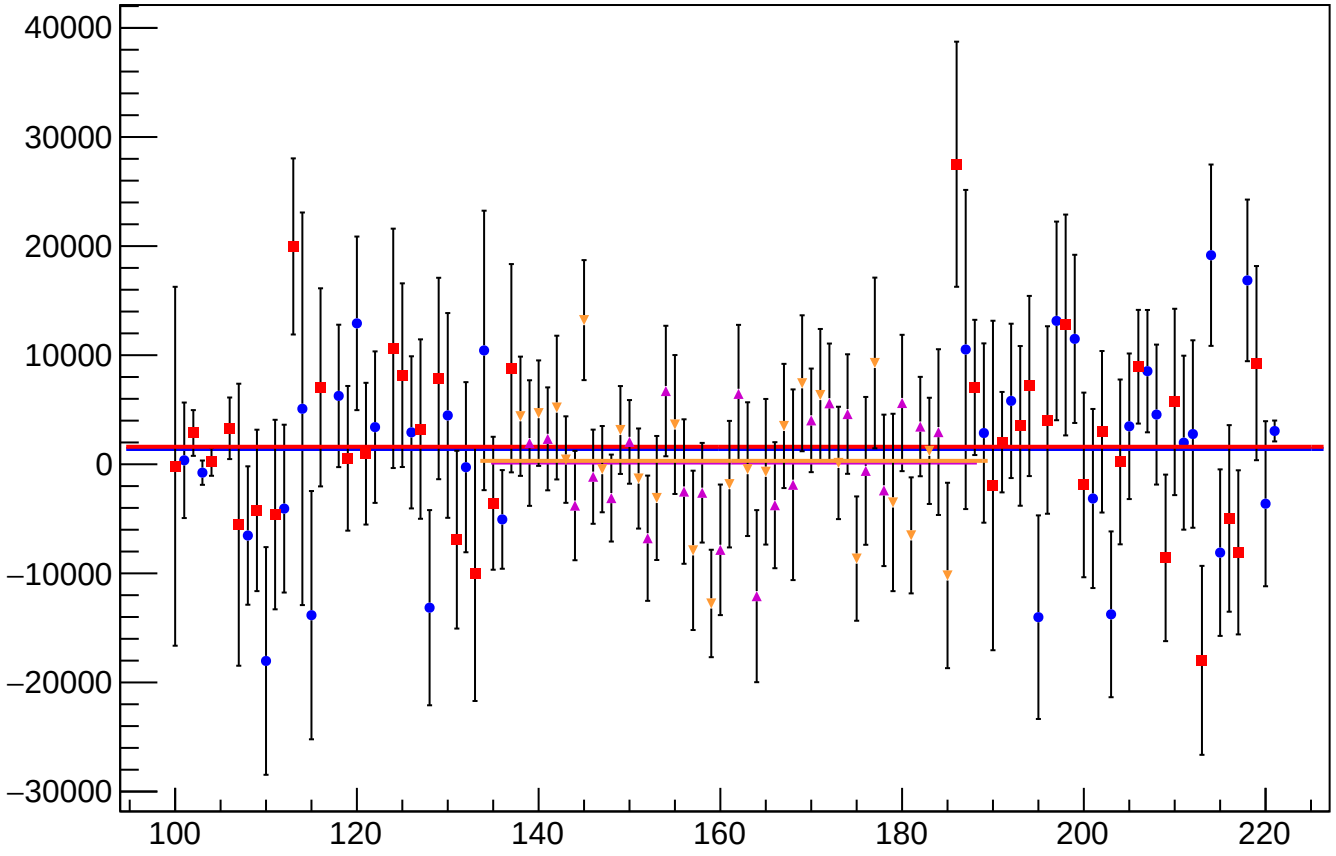
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1773.813+/-0.197 χ^2/NDF: 471826.8/58

All: 1775.875+/-0.140 χ^2/NDF: 1180079.1/11

- sign 1778.021+/-0.201 χ^2/NDF: 708028.1/59

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: 1401.462+/-637.840 χ^2/NDF: 46.4/33

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1604.360+/-814.088 χ^2/NDF: 34.4/36

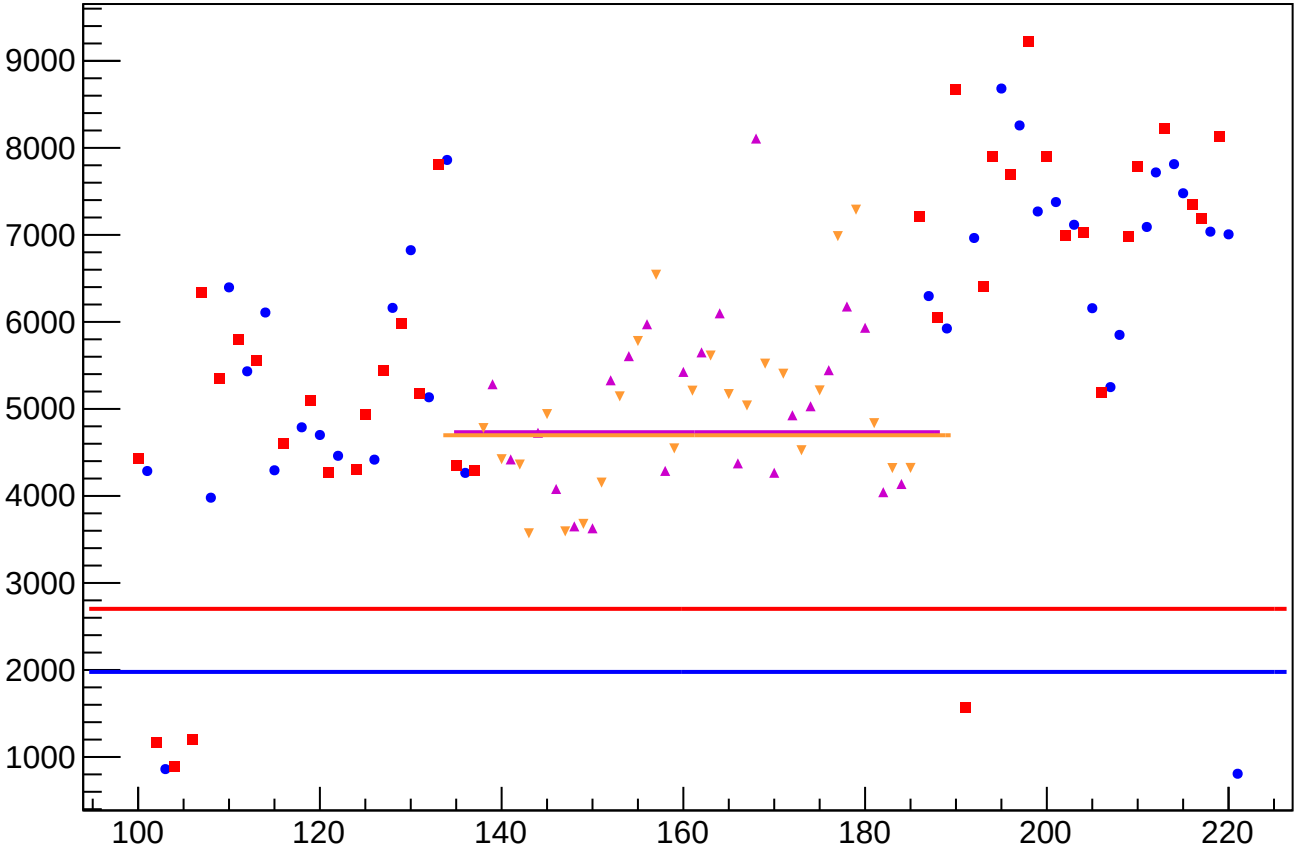
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign 1124.831+/-550.765 χ^2/NDF: 74.2/58

All: 1118.440+/-422.924 χ^2/NDF: 124.3/118

\- sign 1109.257+/-660.214 χ^2/NDF: 50.2/59

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1977.715+/-0.451 χ^2/NDF: 23954447.0/33

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2702.535+/-0.576 χ^2/NDF: 19416695.6/36

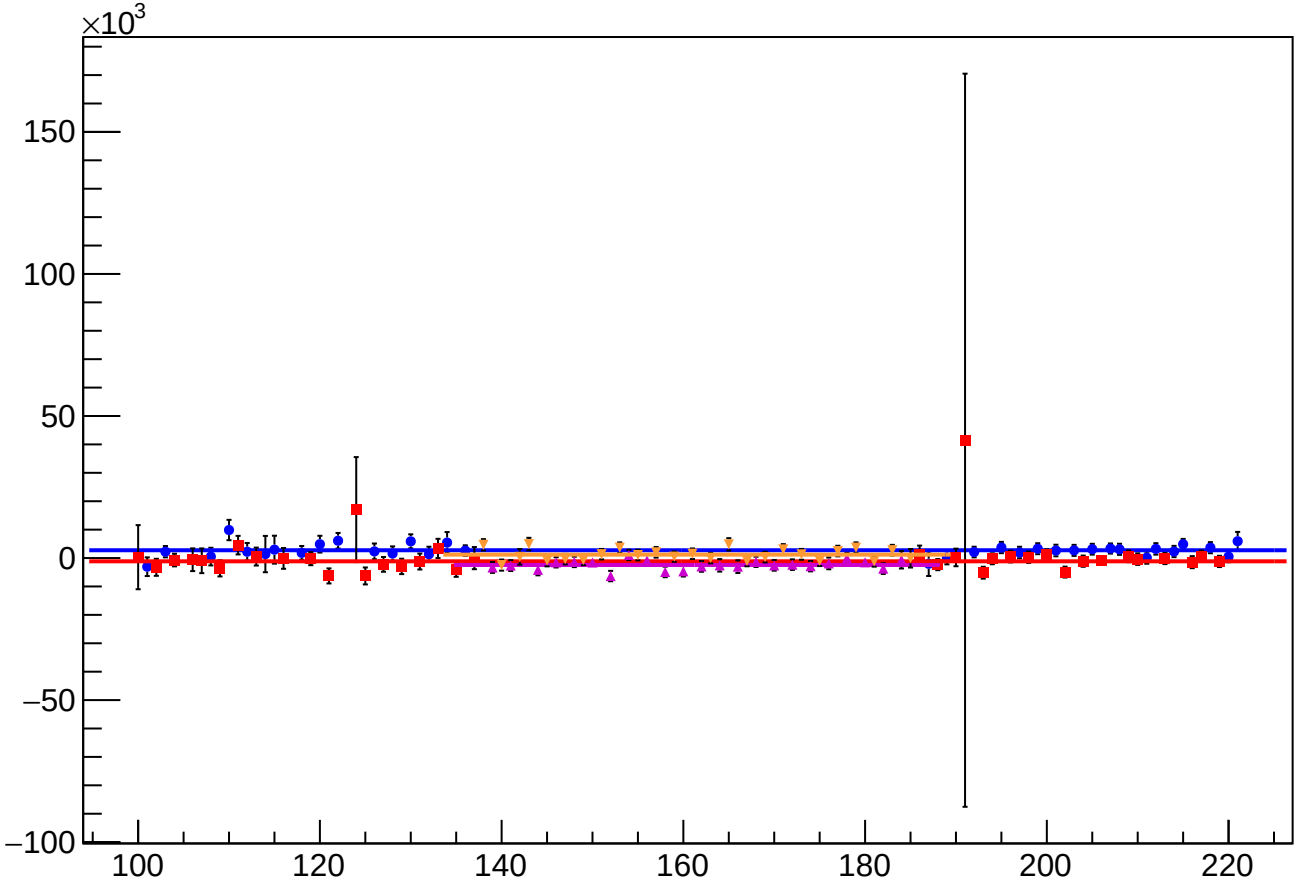
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 2669.643+/-0.389 χ^2/NDF: 34445517.1/58

All: 2968.267+/-0.299 χ^2/NDF: 60794218.0/1

- sign 3397.370+/-0.467 χ^2/NDF: 24915883.3/59

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2743.453+/-397.847 χ^2/NDF: 21.0/33

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1150.192+/-405.234 χ^2/NDF: 30.1/36

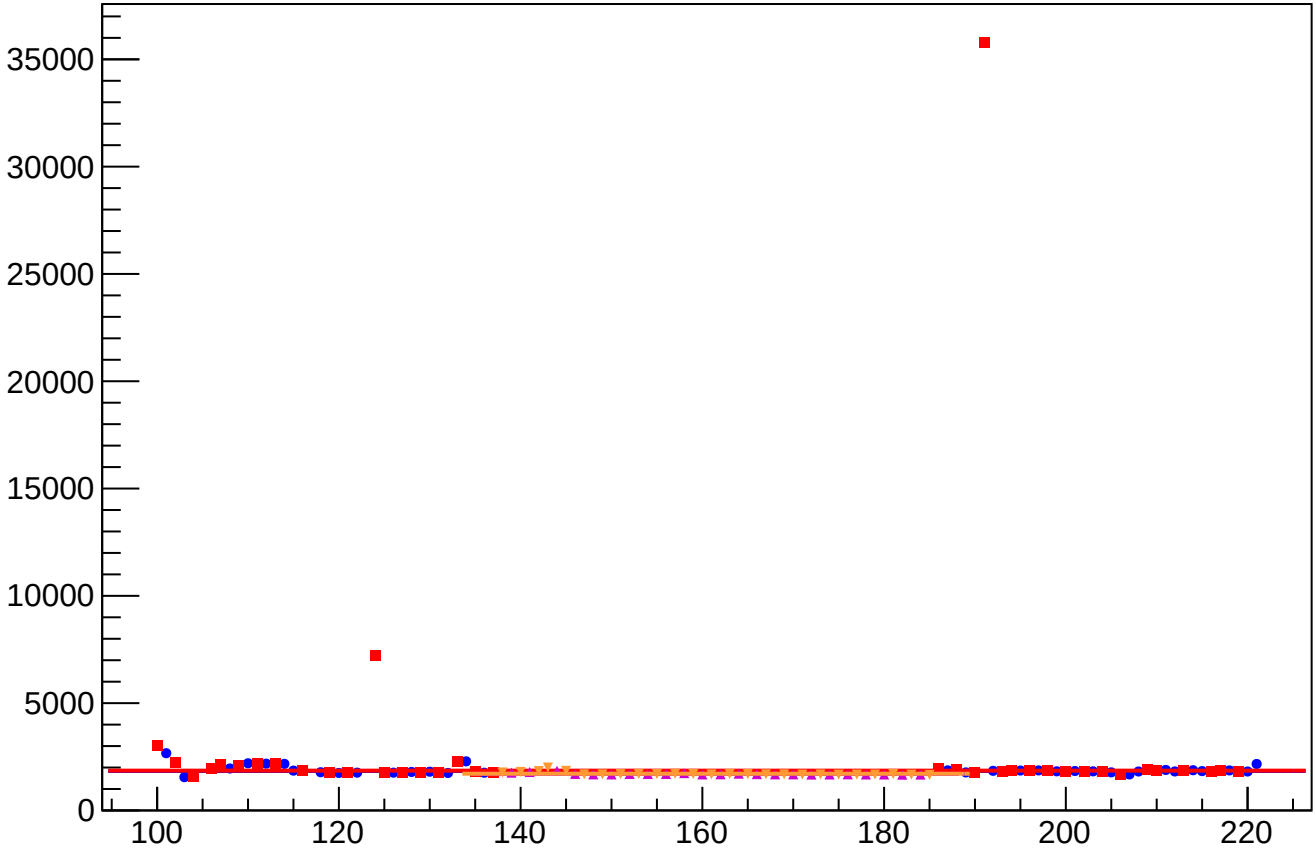
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1955.823+/-278.190 χ^2/NDF: 55.0/58

All: 113.282+/-198.712 χ^2/NDF: 197.3/118

- sign -1806.222+/-283.940 χ^2/NDF: 52.8/59

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1838.658+/-0.281 χ^2/NDF: 307797.0/33

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

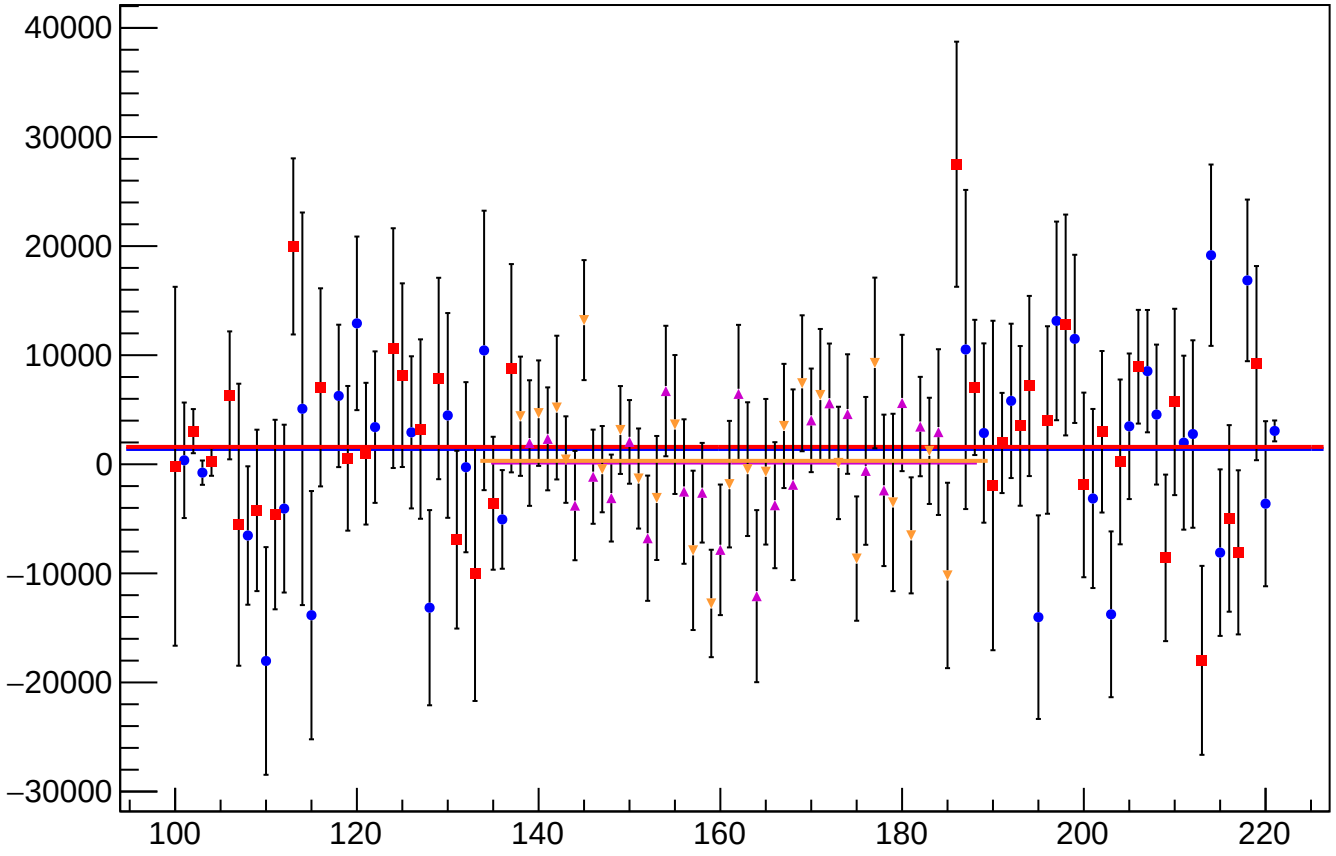
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1773.813+/-0.197 χ^2/NDF: 471826.7/58

All: 1775.907+/-0.140 χ^2/NDF: 1180722.9/11

- sign 1778.087+/-0.201 χ^2/NDF: 708664.9/59

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: 1403.892+/-637.909 χ^2/NDF: 46.4/33

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1591.994+/-836.402 χ^2/NDF: 34.8/36

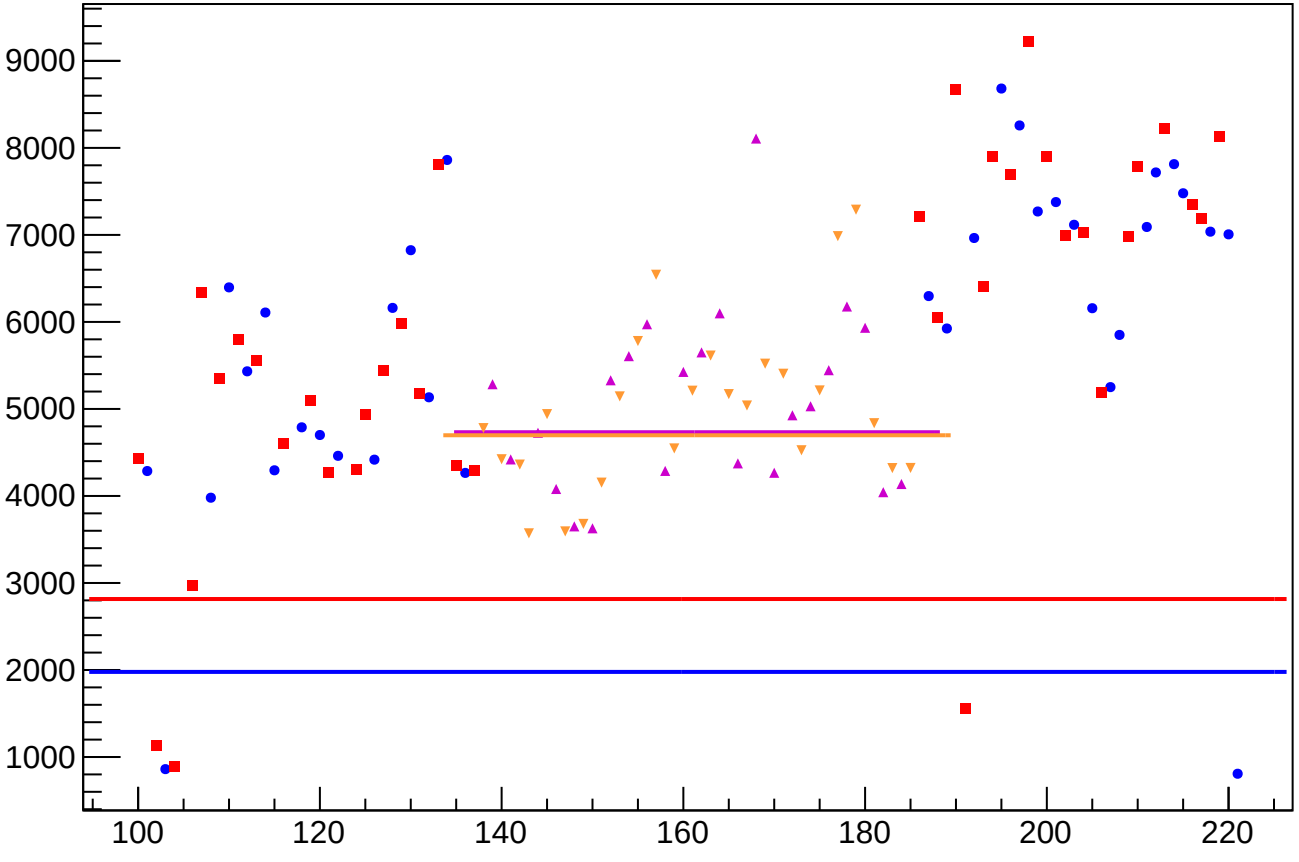
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 1126.606+/-550.810 χ^2/NDF: 74.2/58

All: 1109.290+/-425.982 χ^2/NDF: 124.7/118

- sign 1083.521+/-671.949 χ^2/NDF: 50.6/59

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1978.056+/-0.451 χ^2/NDF: 23951983.5/33

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

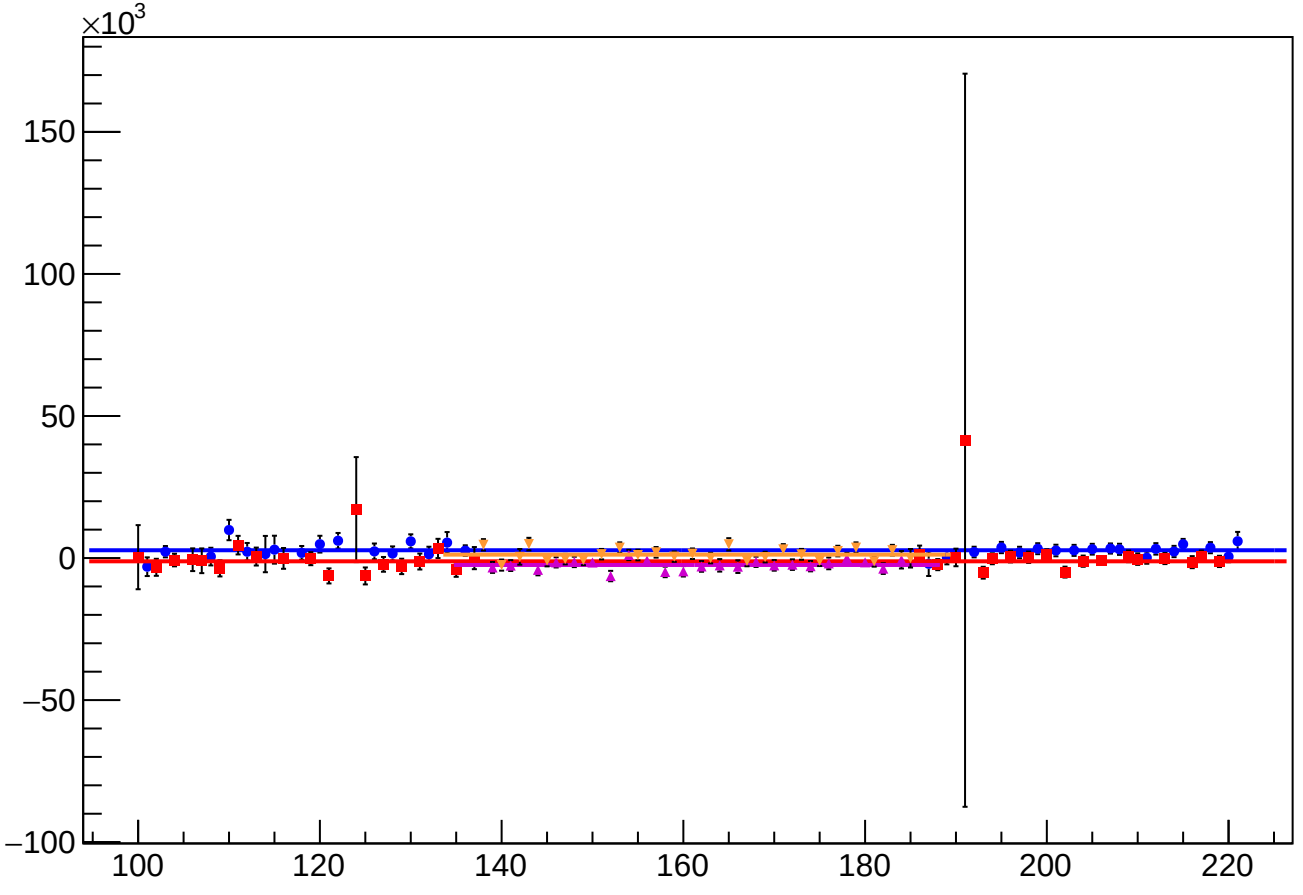
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 2670.009+/-0.389 χ^2/NDF: 34440218.7/58

All: 3001.681+/-0.301 χ^2/NDF: 60162782.0/1

- sign 3495.283+/-0.475 χ^2/NDF: 23918162.0/59

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2743.453+/-397.847 χ^2/NDF: 21.0/33

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1150.192+/-405.234 χ^2/NDF: 30.1/36

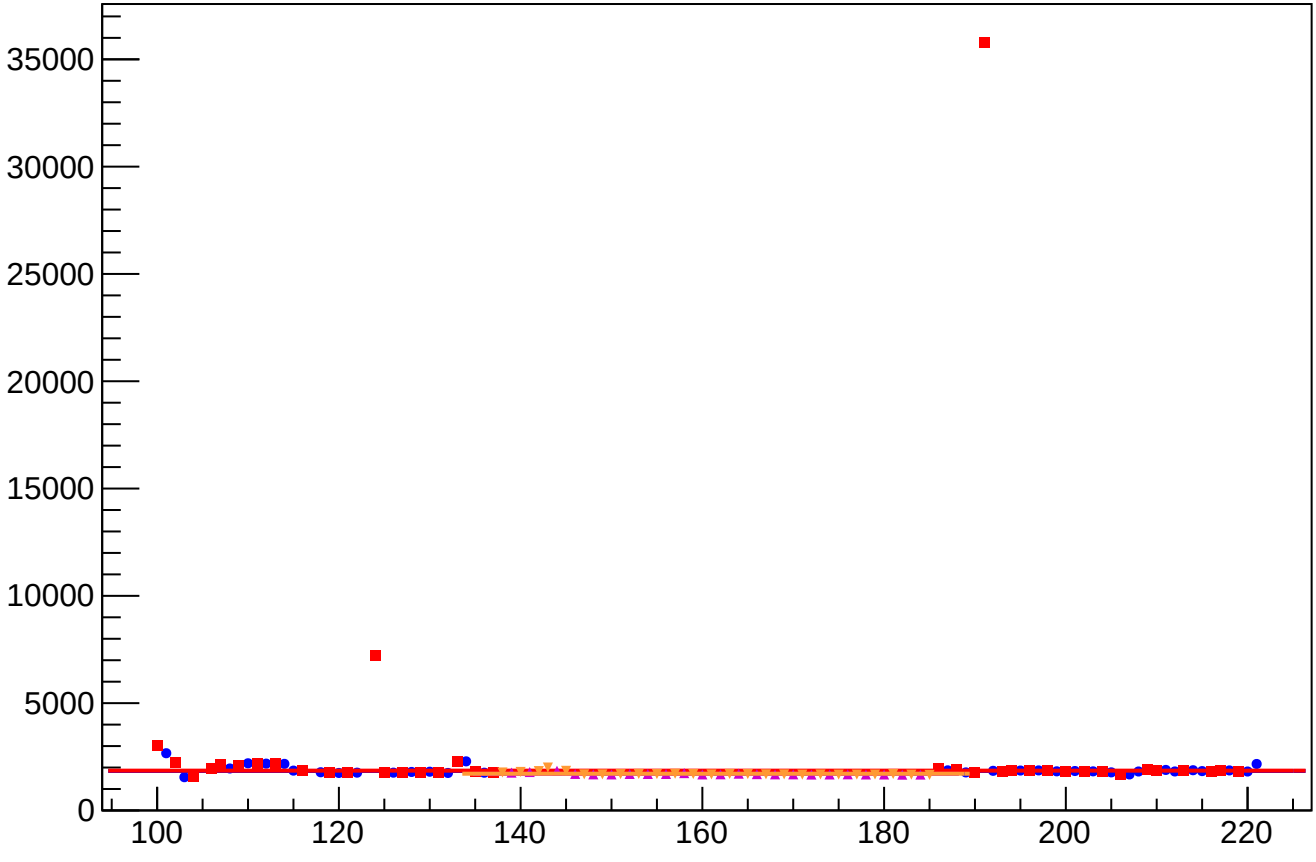
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1955.823+/-278.190 χ^2/NDF: 55.0/58

All: 113.282+/-198.712 χ^2/NDF: 197.3/118

- sign -1806.222+/-283.940 χ^2/NDF: 52.8/59

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1838.658+/-0.281 χ^2/NDF: 307797.0/33

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

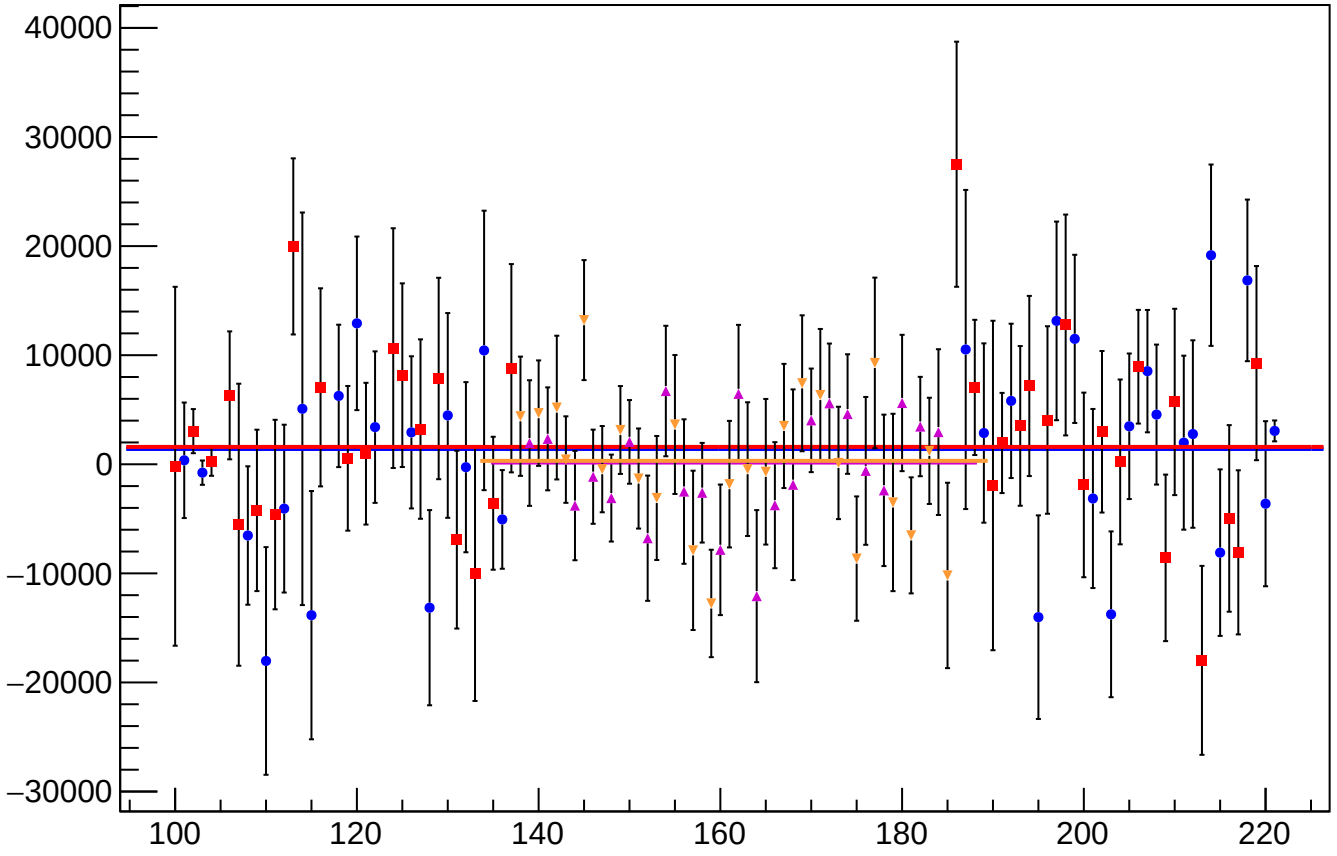
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1773.813+/-0.197 χ^2/NDF: 471826.7/58

All: 1775.907+/-0.140 χ^2/NDF: 1180722.9/11

- sign 1778.087+/-0.201 χ^2/NDF: 708664.9/59

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: 1403.892+/-637.909 χ^2/NDF: 46.4/33

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

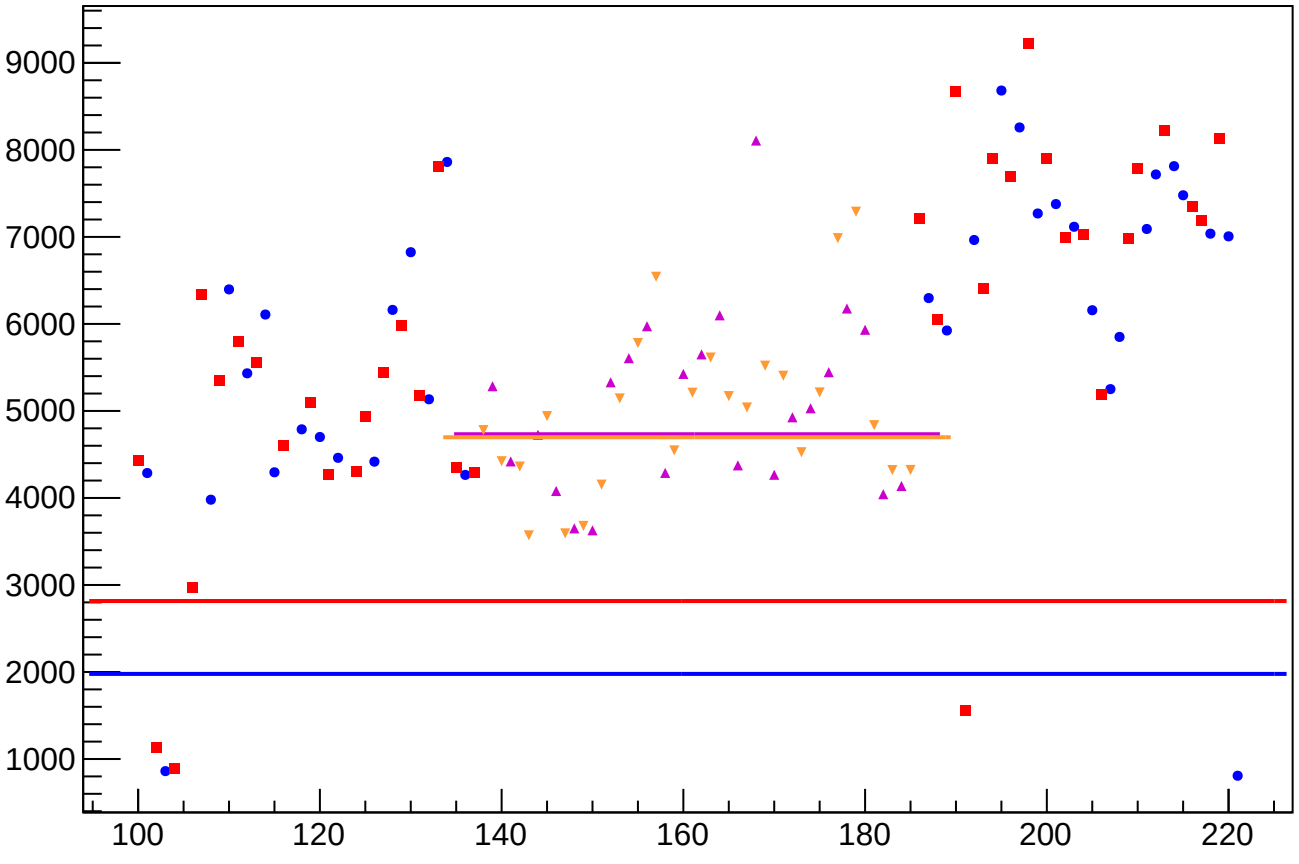
Right Out: 1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 1126.606+/-550.810 χ^2/NDF: 74.2/58

All: 1109.290+/-425.982 χ^2/NDF: 124.7/118

- sign 1083.521+/-671.949 χ^2/NDF: 50.6/59



Right In: 1978.056+/-0.451 χ^2/NDF: 23951983.5/33

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

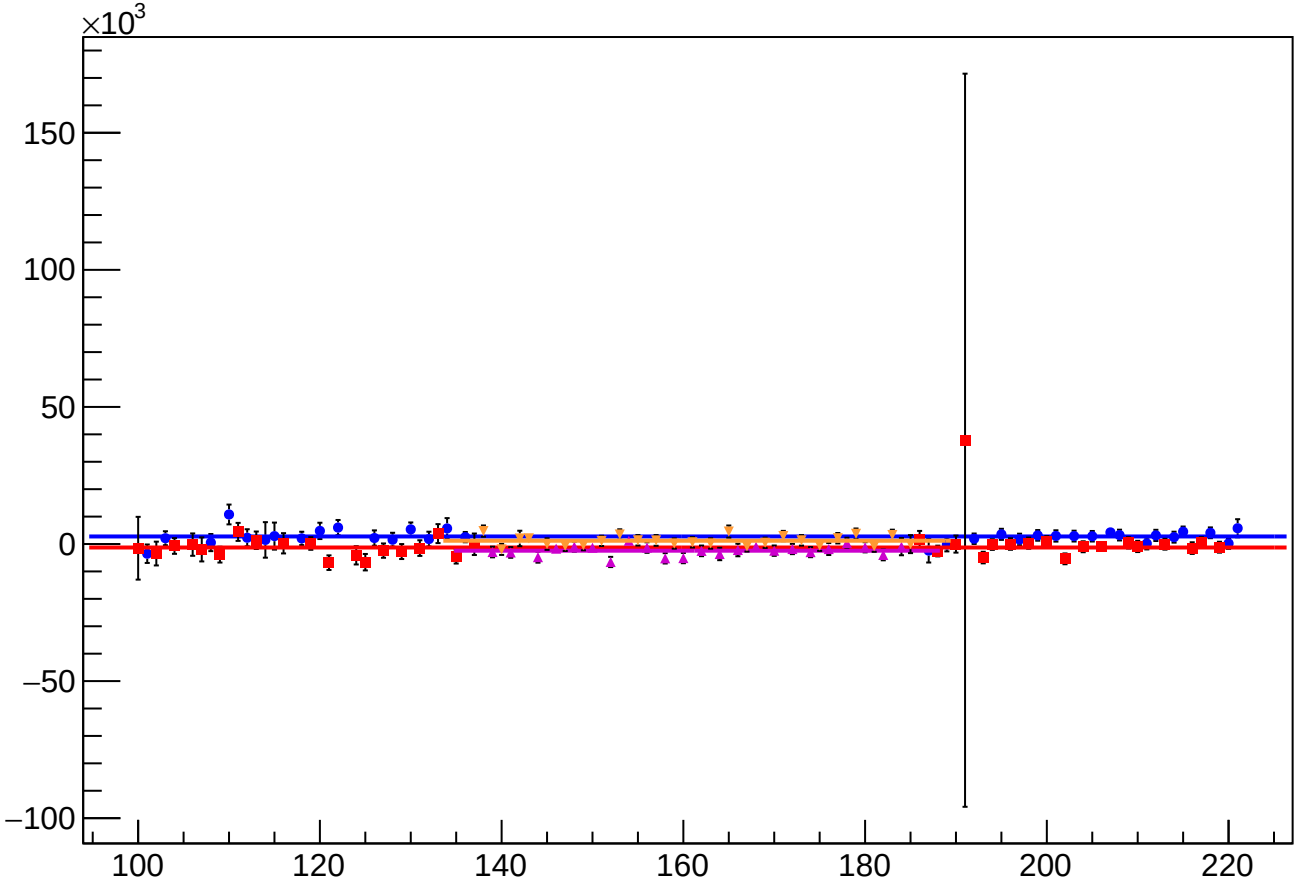
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 2670.009+/-0.389 χ^2/NDF: 34440218.7/58

All: 3001.681+/-0.301 χ^2/NDF: 60162782.0/1

- sign 3495.283+/-0.475 χ^2/NDF: 23918162.0/59

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2755.225+/-405.046 χ^2/NDF: 22.7/33

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1273.085+/-411.315 χ^2/NDF: 31.7/36

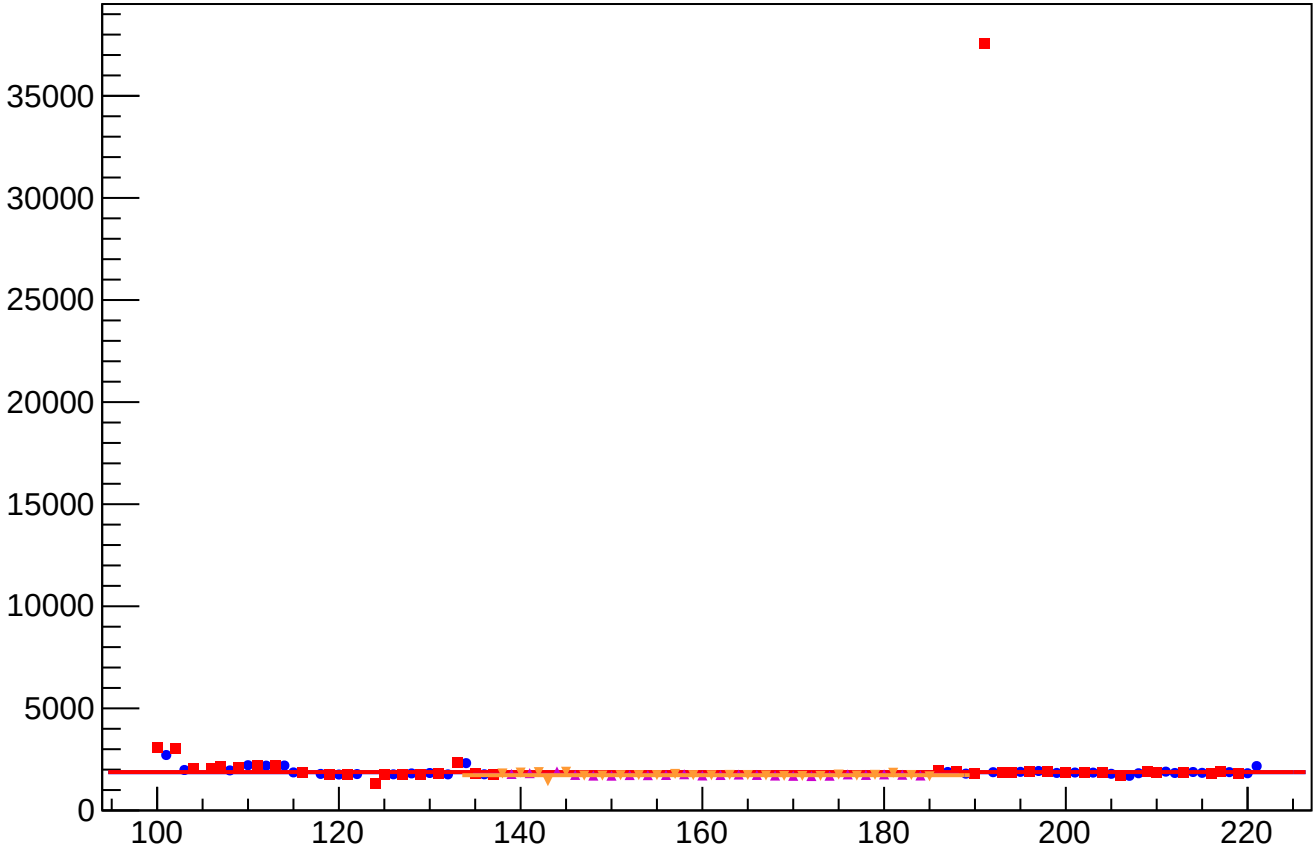
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1952.747+/-282.048 χ^2/NDF: 49.8/58

All: 95.646+/-202.023 χ^2/NDF: 195.1/118

- sign -1860.927+/-289.504 χ^2/NDF: 56.3/59

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1872.263+/-0.286 χ^2/NDF: 271287.7/33

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523655.8/36

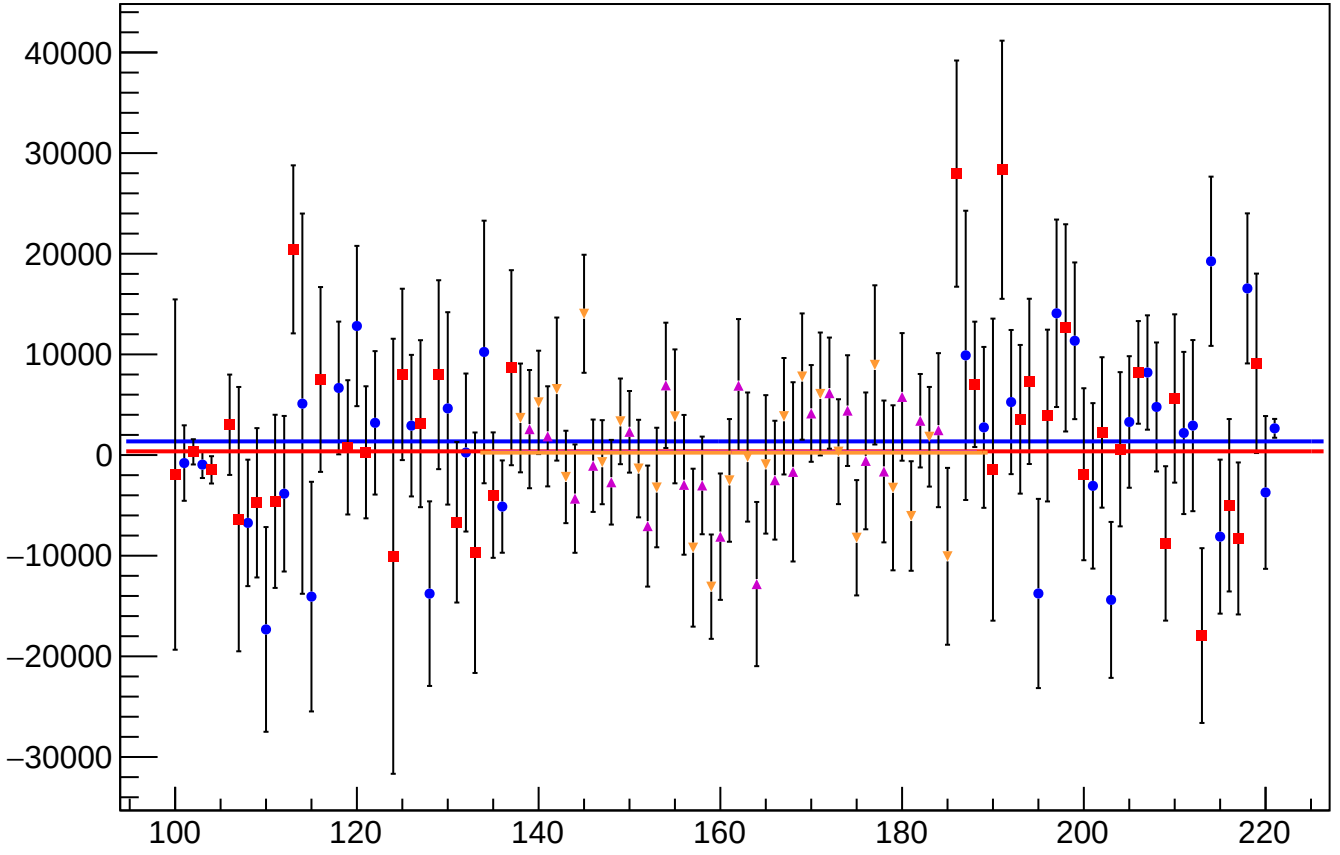
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1797.557+/-0.199 χ^2/NDF: 513637.1/58

All: 1804.427+/-0.143 χ^2/NDF: 1175701.1/11

- sign 1811.662+/-0.205 χ^2/NDF: 659628.0/59

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: 1357.185+/-659.727 χ^2/NDF: 44.5/33

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 368.518+/-765.175 χ^2/NDF: 40.0/36

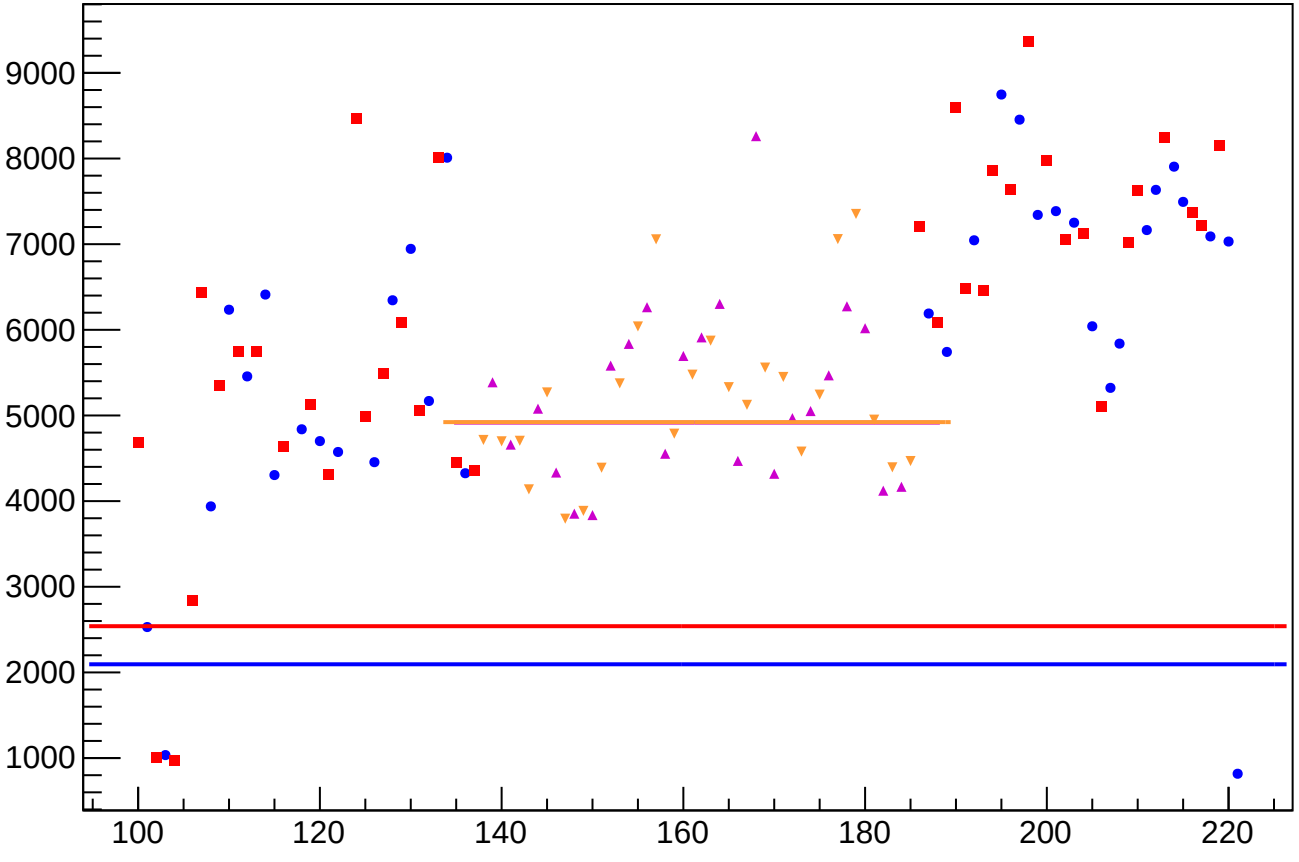
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

\+ sign 1077.540+/-571.125 χ^2/NDF: 71.9/58

All: 755.251+/-426.287 χ^2/NDF: 127.1/118

\- sign 349.843+/-640.551 χ^2/NDF: 54.5/59

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2094.939+/-0.466 χ^2/NDF: 22738813.4/33

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2539.700+/-0.541 χ^2/NDF: 20746438.6/36

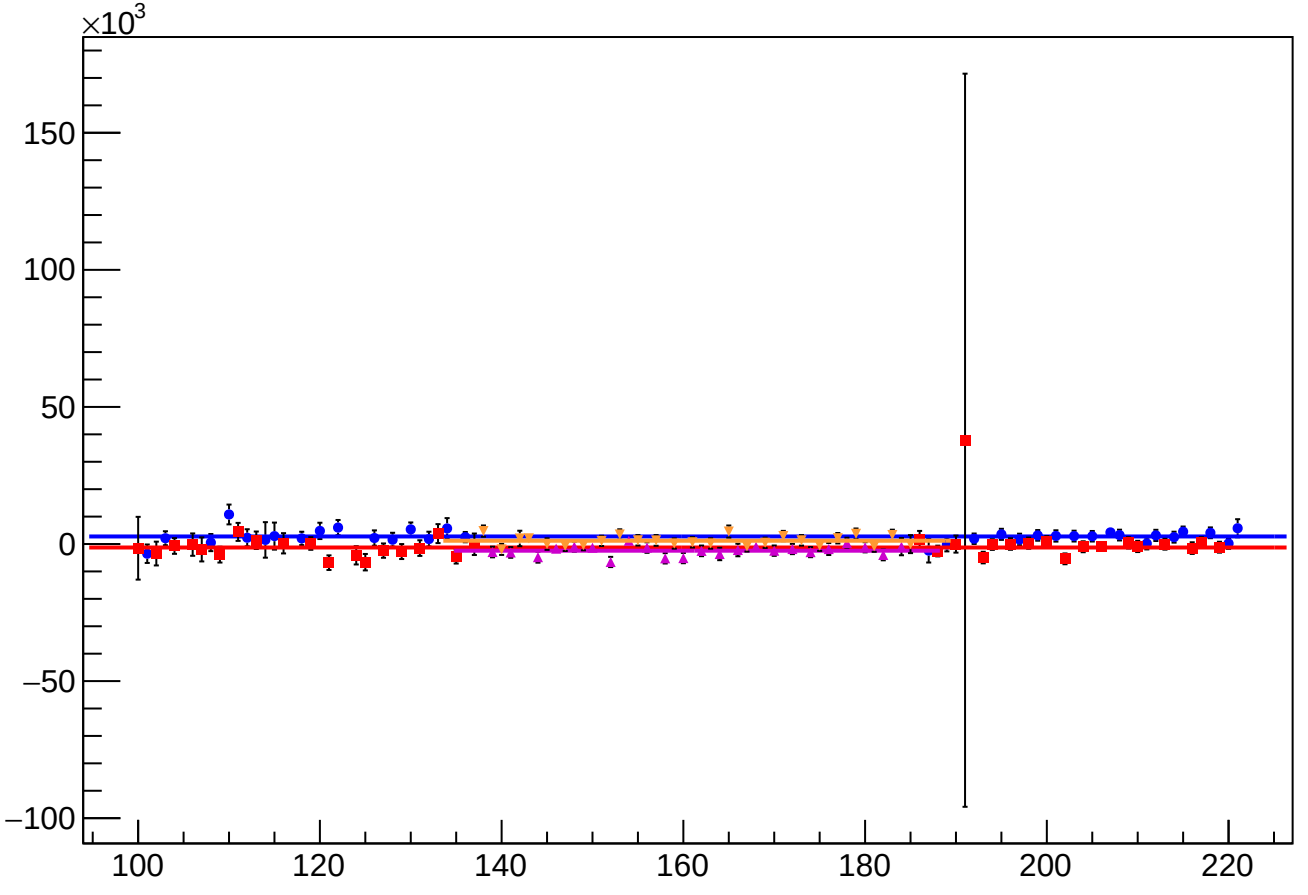
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 2803.398+/-0.404 χ^2/NDF: 32993918.4/58

All: 3001.640+/-0.301 χ^2/NDF: 61222294.4/1

- sign 3251.008+/-0.453 χ^2/NDF: 27684296.2/59

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2755.216+/-405.046 χ^2/NDF: 22.7/33

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1273.087+/-411.314 χ^2/NDF: 31.7/36

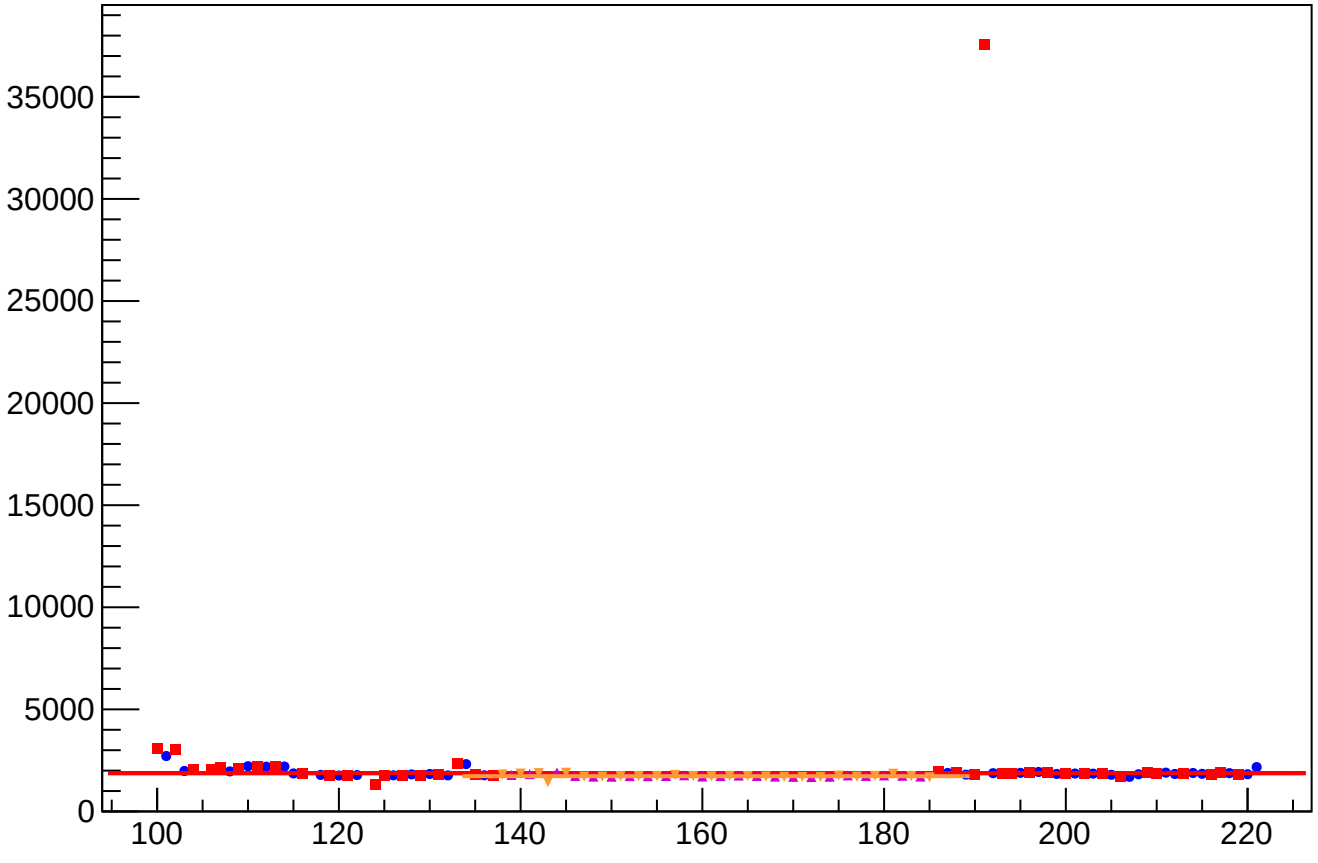
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1952.740+/-282.049 χ^2/NDF: 49.8/58

All: 95.642+/-202.023 χ^2/NDF: 195.1/118

- sign -1860.928+/-289.504 χ^2/NDF: 56.3/59

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1872.263+/-0.286 χ^2/NDF: 271287.8/33

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523654.6/36

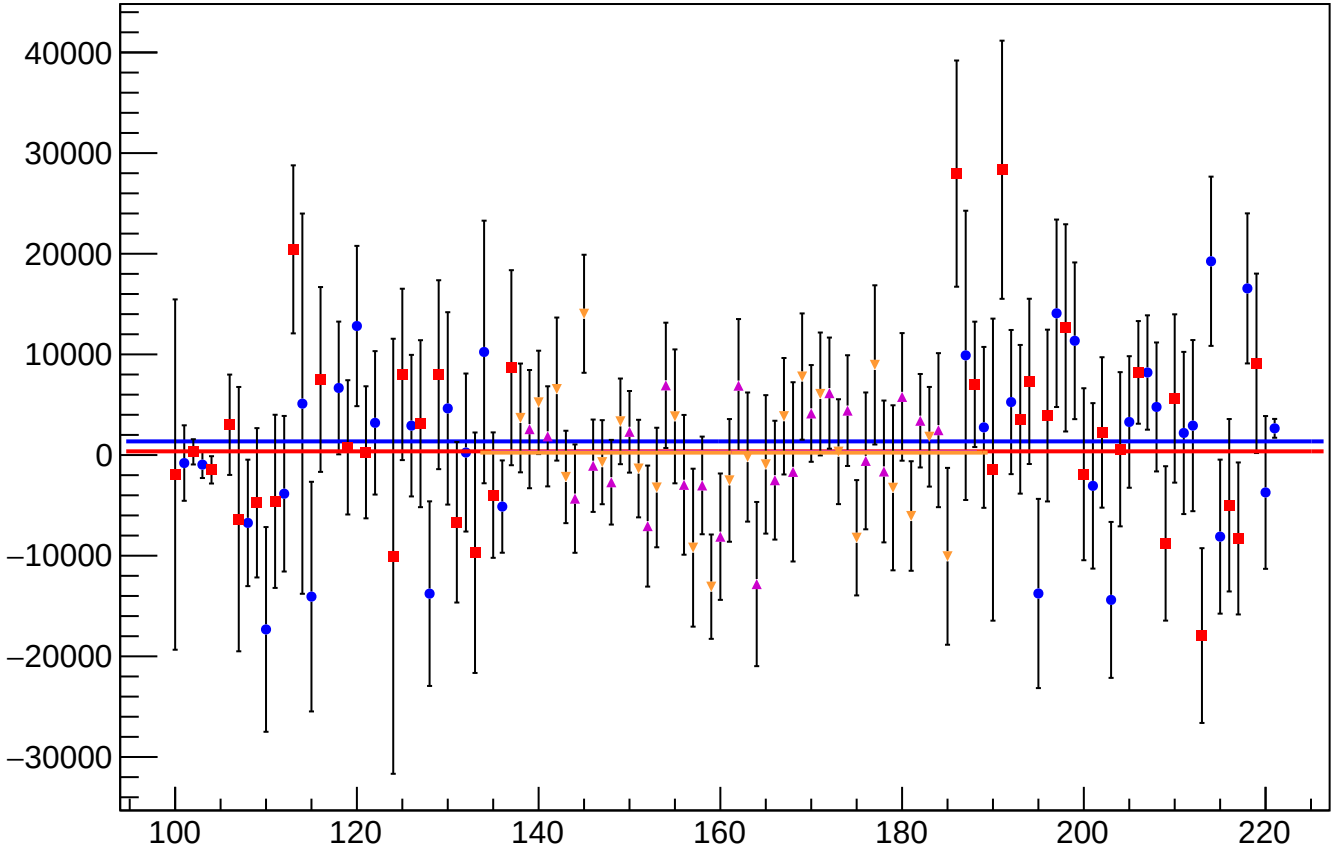
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1797.557+/-0.199 χ^2/NDF: 513634.2/58

All: 1804.427+/-0.143 χ^2/NDF: 1175695.5/11

- sign 1811.662+/-0.205 χ^2/NDF: 659625.3/59

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: 1357.182+/-659.727 χ^2/NDF: 44.5/33

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 368.521+/-765.175 χ^2/NDF: 40.0/36

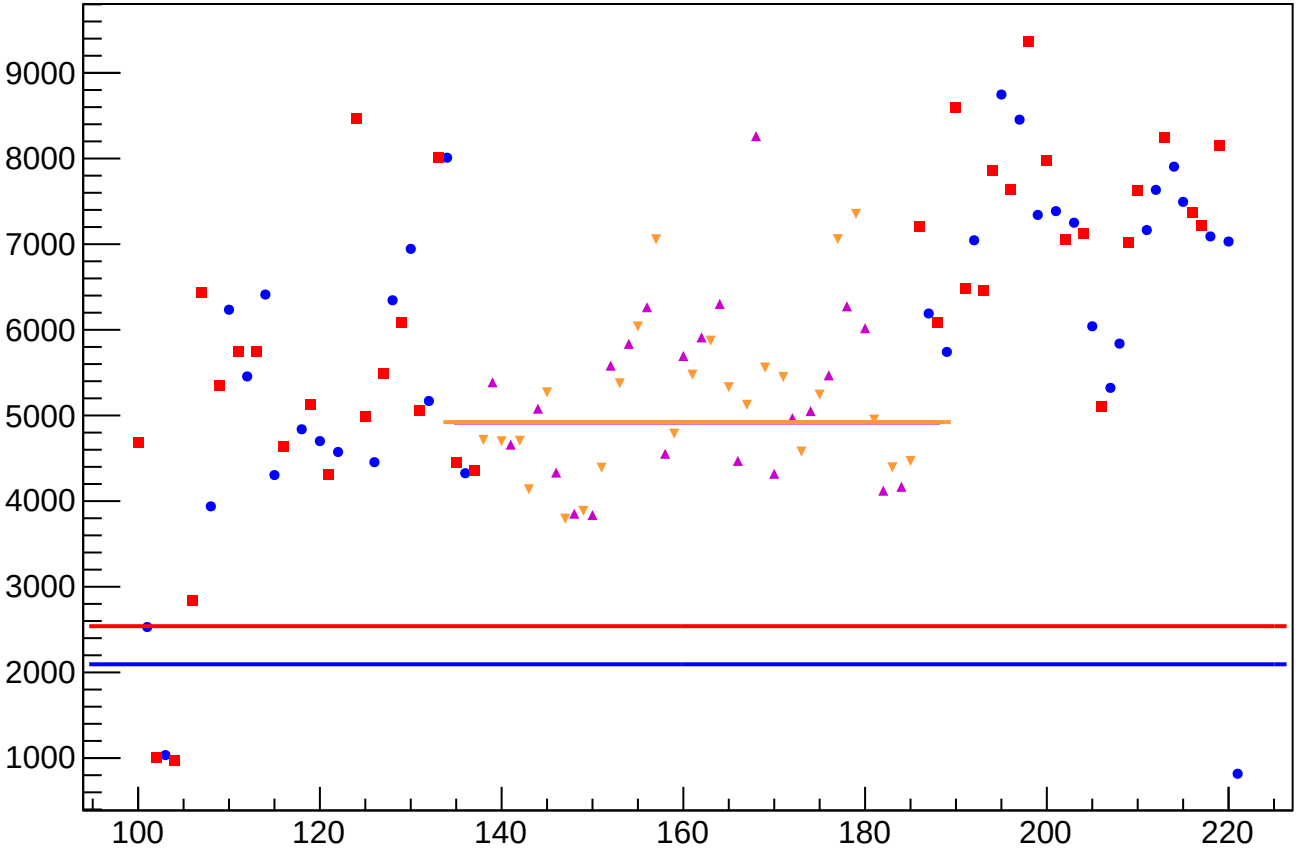
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign 1077.539+/-571.125 χ^2/NDF: 71.9/58

All: 755.251+/-426.287 χ^2/NDF: 127.1/118

- sign 349.846+/-640.551 χ^2/NDF: 54.5/59

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2094.937+/-0.466 χ^2/NDF: 22738826.8/33

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2539.698+/-0.541 χ^2/NDF: 20746446.0/36

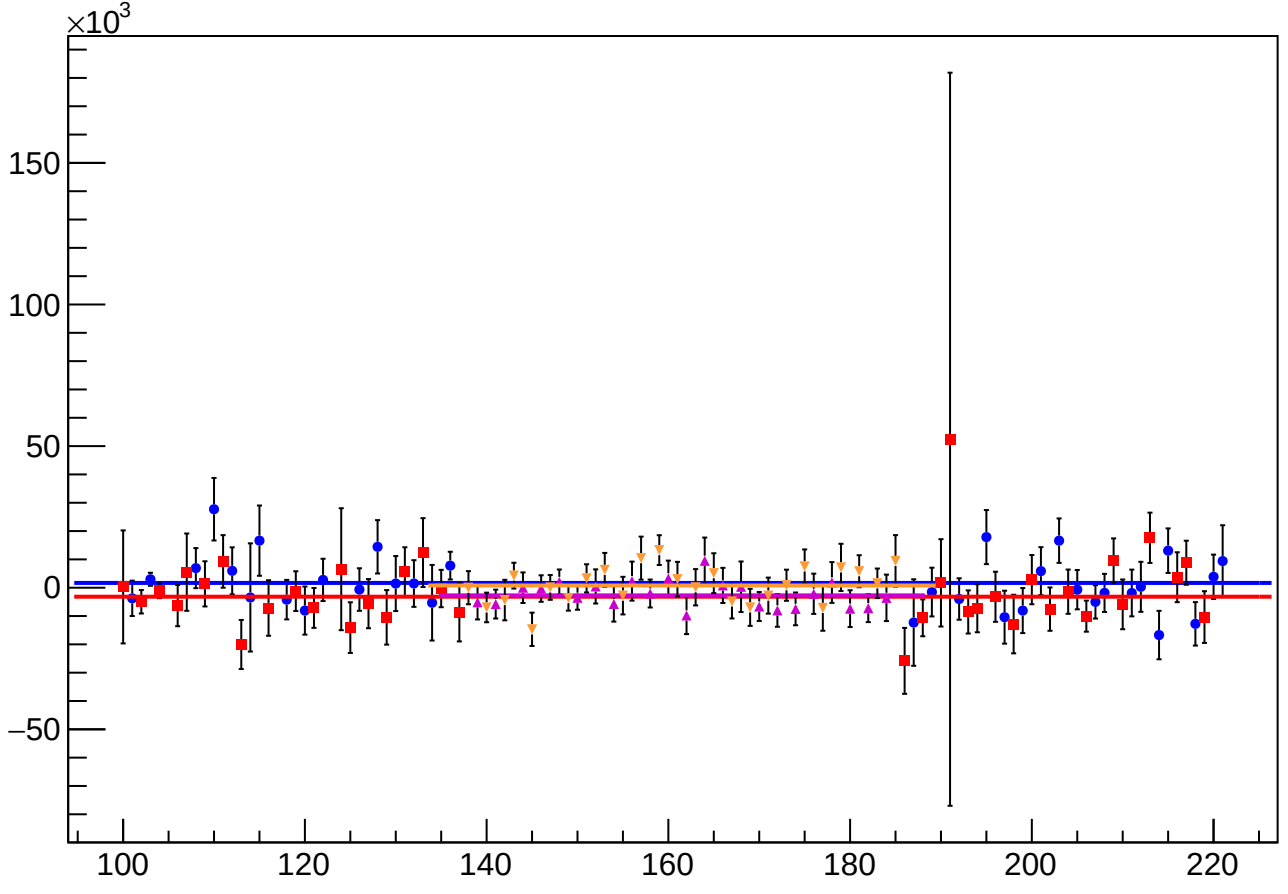
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 2803.396+/-0.404 χ^2/NDF: 32993979.0/58

All: 3001.638+/-0.301 χ^2/NDF: 61222401.1/1

- sign 3251.007+/-0.453 χ^2/NDF: 27684339.6/59

asym_atl1r2_avg_mean vs Slug



Right In: 1690.773+/-1199.033 χ^2/NDF: 38.9/33

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3174.479+/-1224.858 χ^2/NDF: 34.6/36

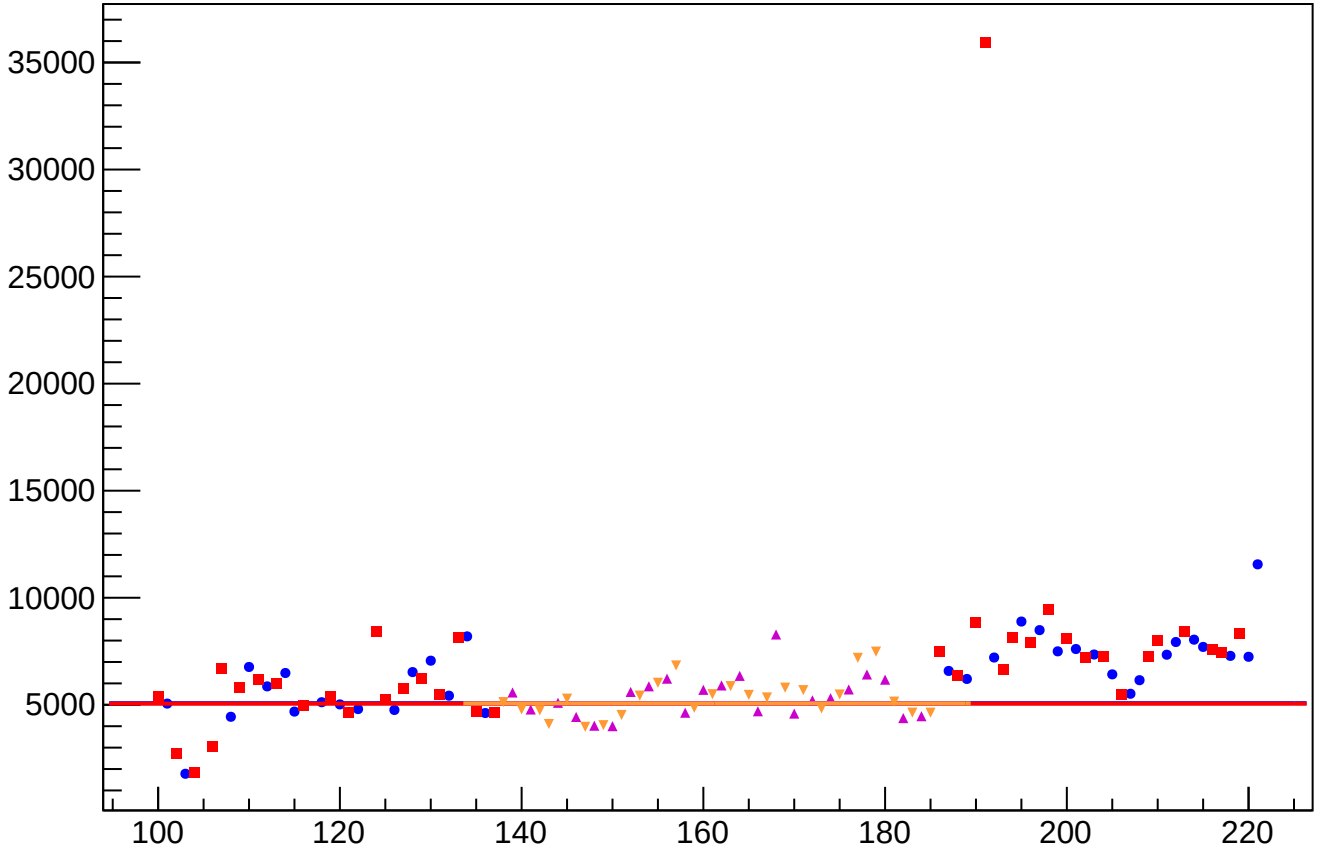
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1229.063+/-838.110 χ^2/NDF: 66.8/58

All: -801.294+/-600.040 χ^2/NDF: 125.4/118

- sign -2936.422+/-859.462 χ^2/NDF: 46.6/59

asym_atl1r2_avg_rms vs Slug



Right In: 5075.854+/-0.848 χ^2/NDF: 7647521.8/33

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 5052.664+/-0.861 χ^2/NDF: 7415343.4/36

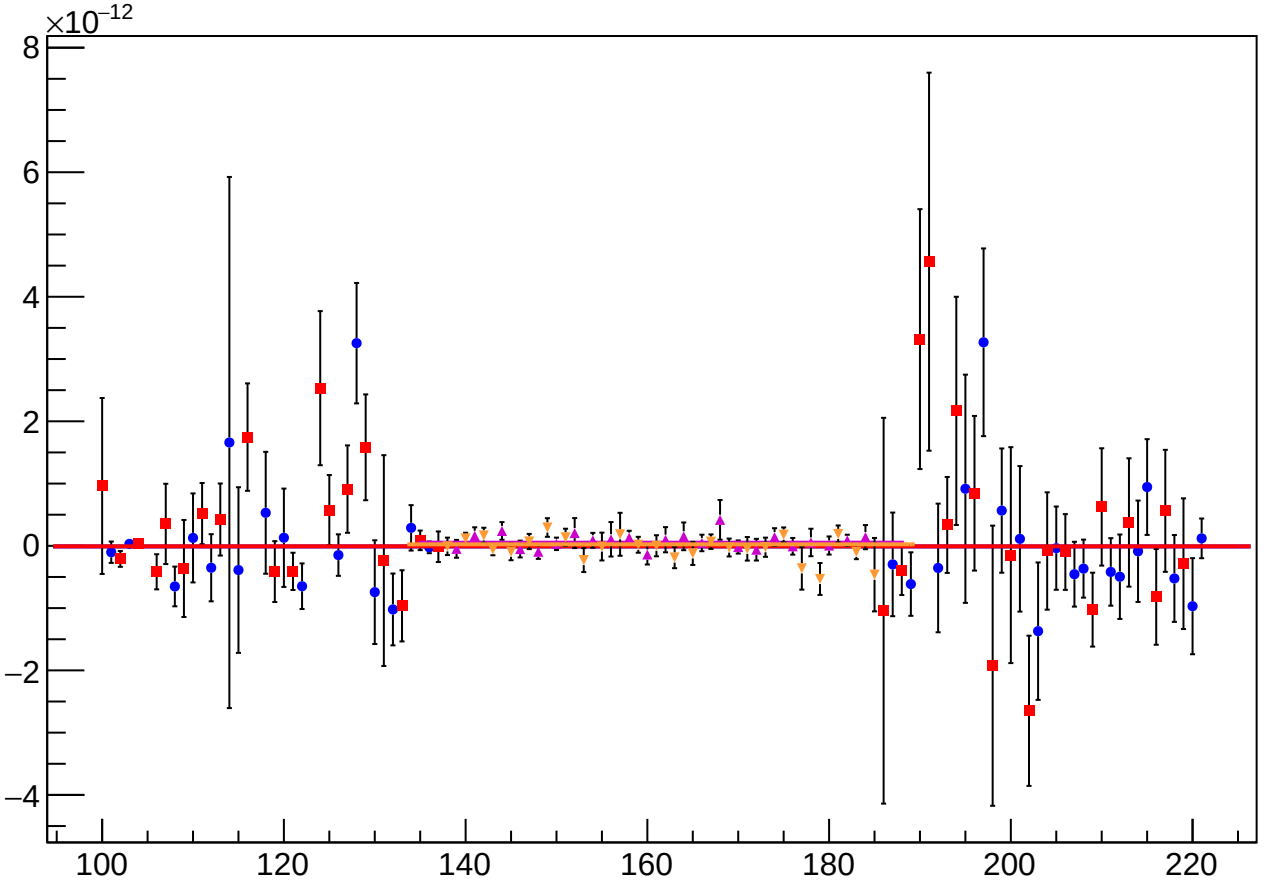
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 5071.785+/-0.593 χ^2/NDF: 8601820.7/58

All: 5069.109+/-0.424 χ^2/NDF: 17018945.6/1

- sign 5066.311+/-0.606 χ^2/NDF: 8417083.2/59

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

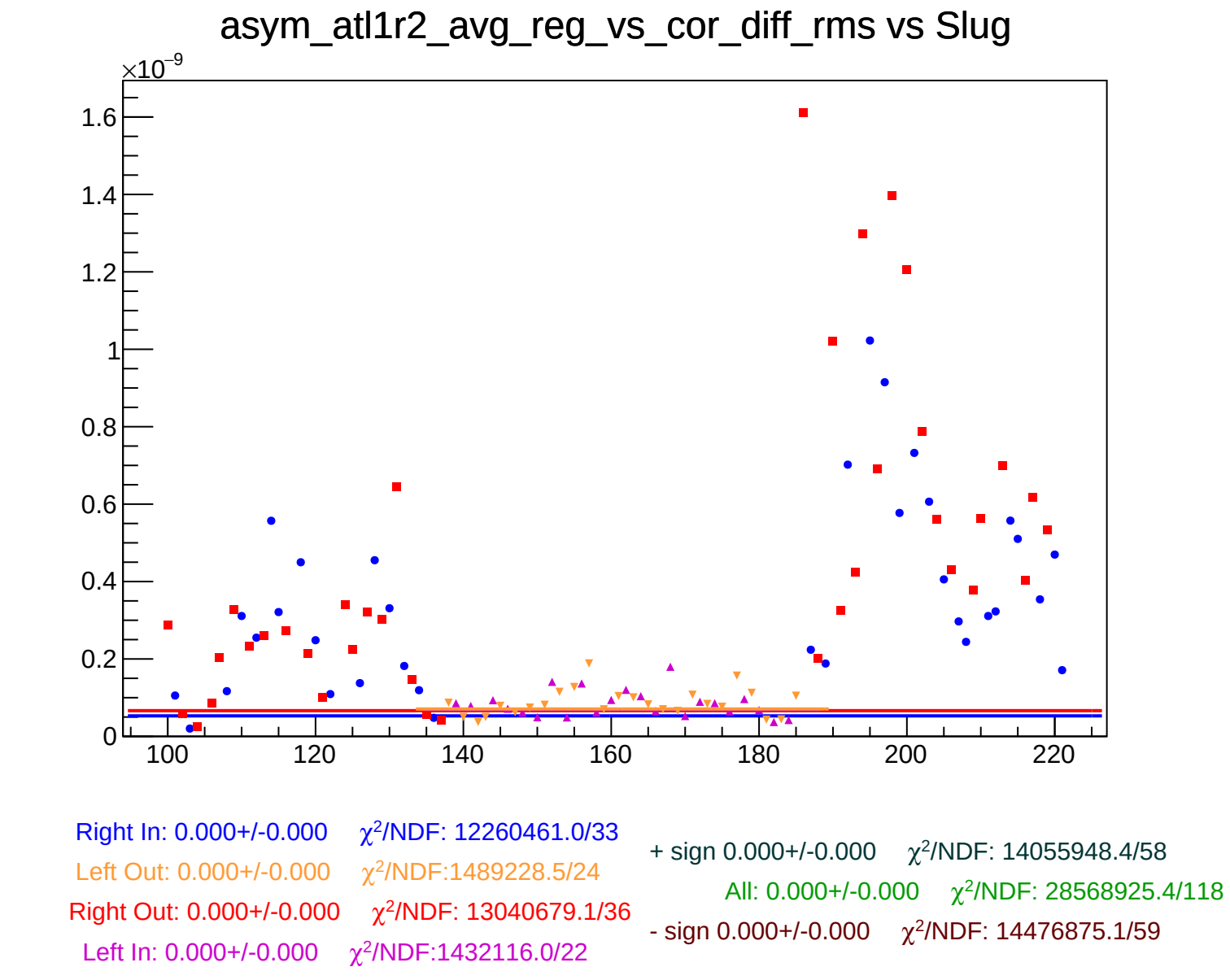
Right Out: -0.000+/-0.000 χ^2/NDF: 46.9/36

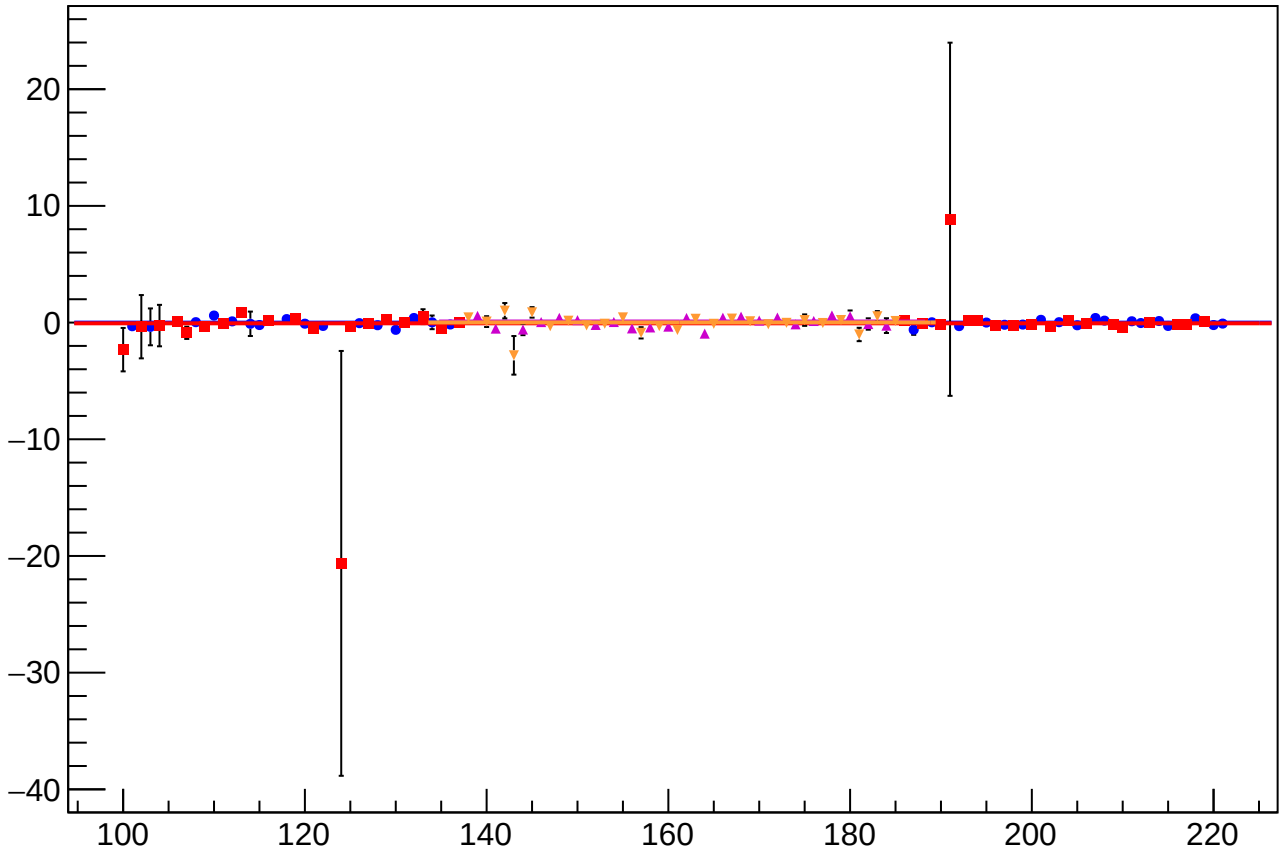
Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/58

All: 0.000+/-0.000 χ^2/NDF: 123.9/118

- sign 0.000+/-0.000 χ^2/NDF: 59.1/59


asym_atl1r2_avg_reg_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
220
Right In: 0.000+/-0.000 χ²/NDF: 12260461.0/33
Left Out: 0.000+/-0.000 χ²/NDF:1489228.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 13040679.1/36
Left In: 0.000+/-0.000 χ²/NDF:1432116.0/22
+ sign 0.000+/-0.000 χ²/NDF: 14055948.4/58
All: 0.000+/-0.000 χ²/NDF: 28568925.4/118
- sign 0.000+/-0.000 χ²/NDF: 14476875.1/59



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

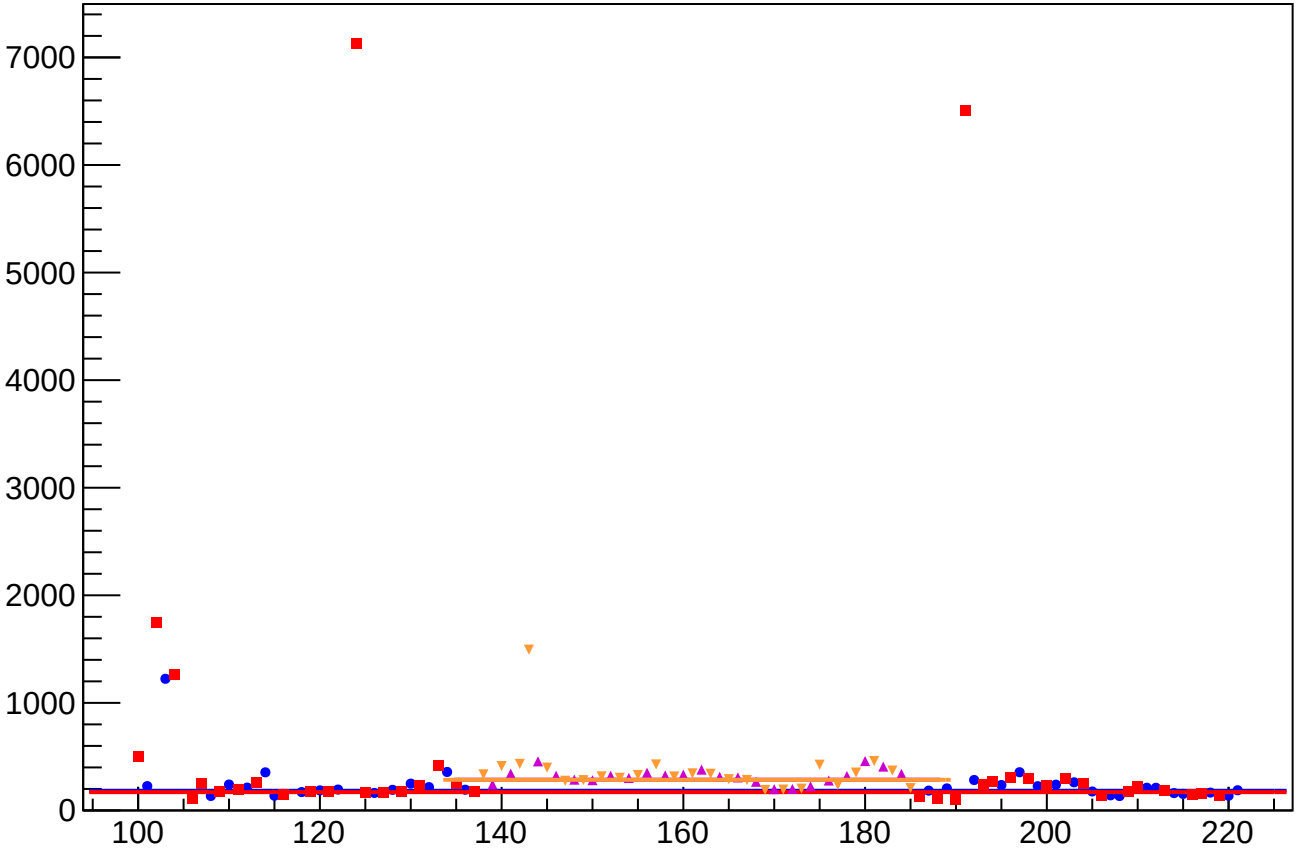
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 131.9/118

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 182.949+/-0.030 χ^2/NDF: 3119912.4/33

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

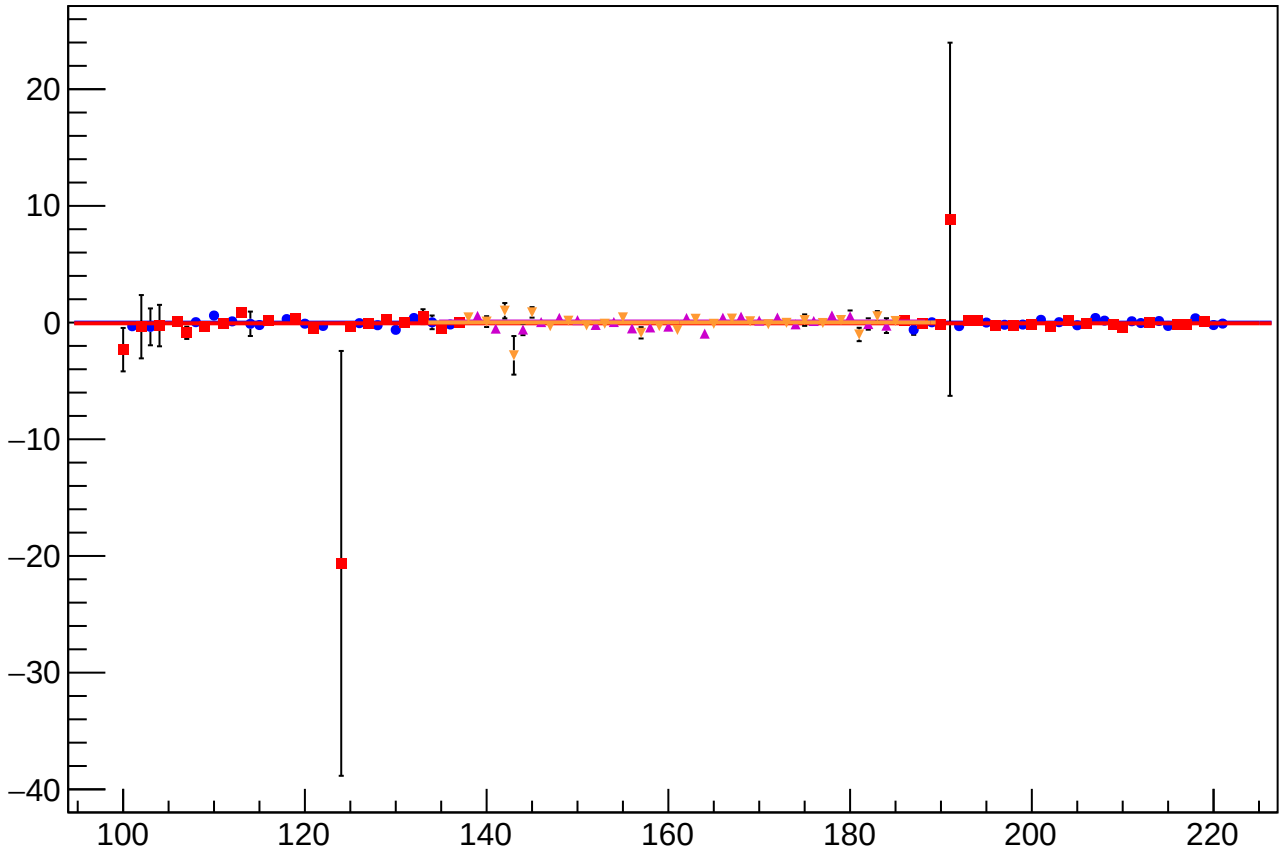
Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662571.0/58

All: 204.874+/-0.018 χ^2/NDF: 21130656.4/11

- sign 199.723+/-0.025 χ^2/NDF: 11382984.9/59



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

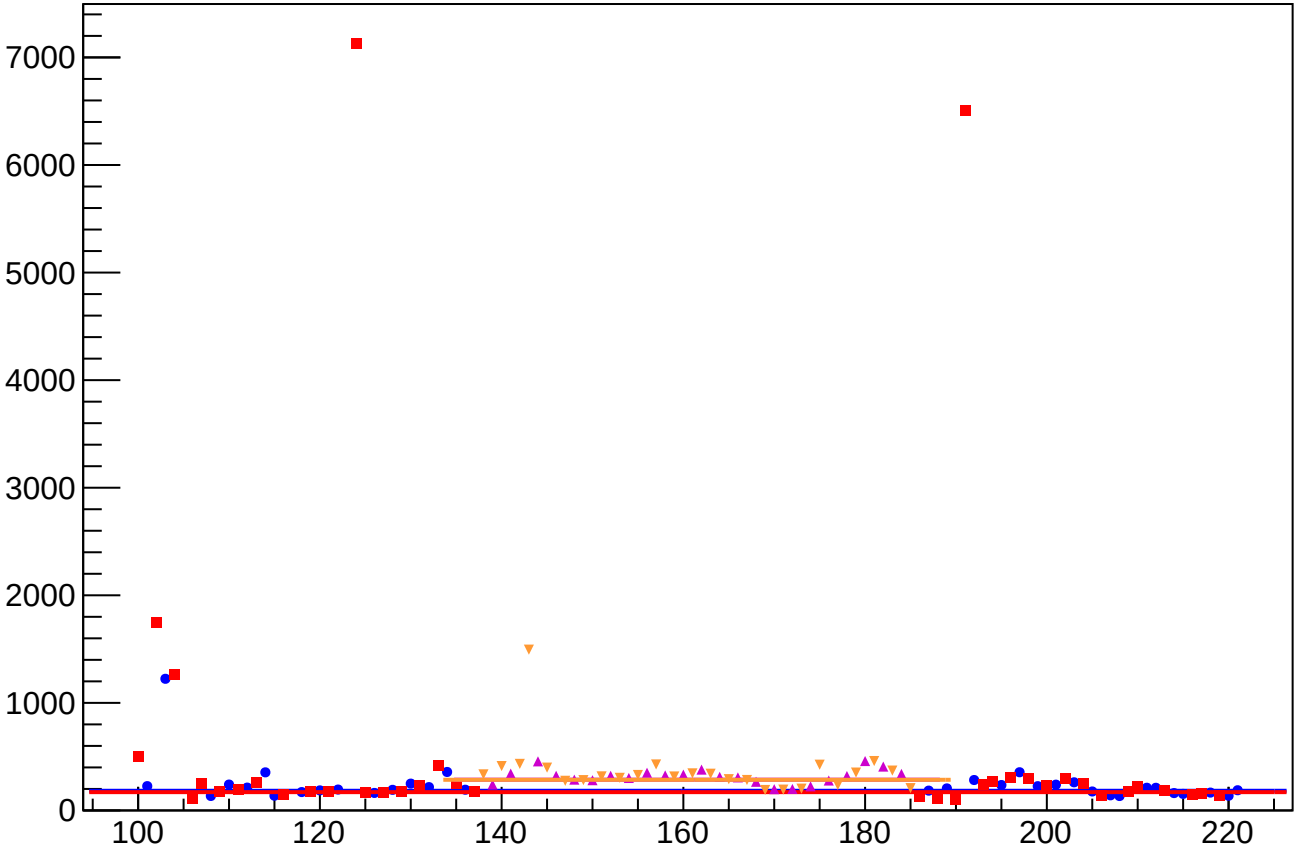
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 131.9/118

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.949+/-0.030 χ^2/NDF: 3119912.4/33

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

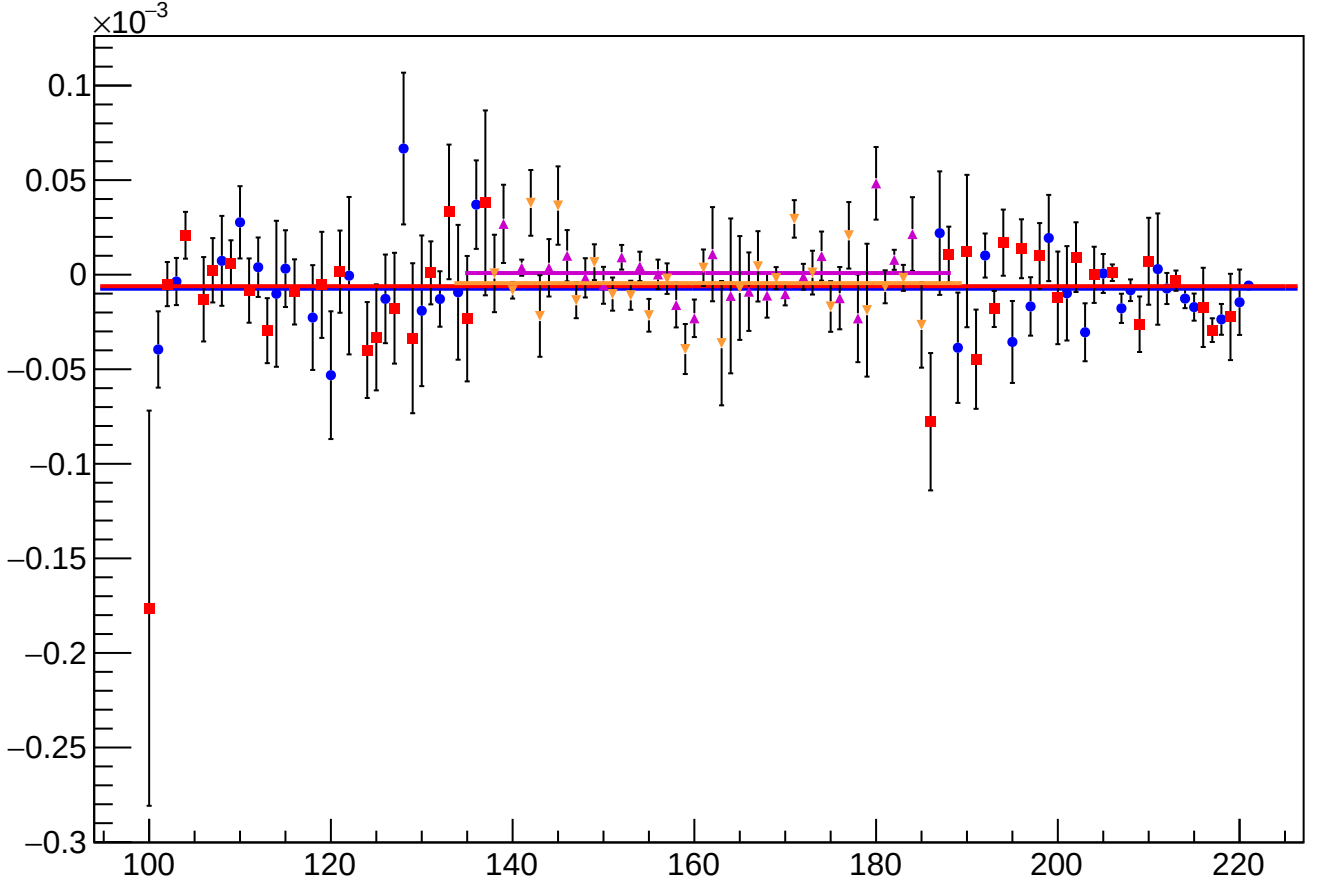
Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662571.0/58

All: 204.874+/-0.018 χ^2/NDF: 21130656.4/11

- sign 199.723+/-0.025 χ^2/NDF: 11382984.9/59



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

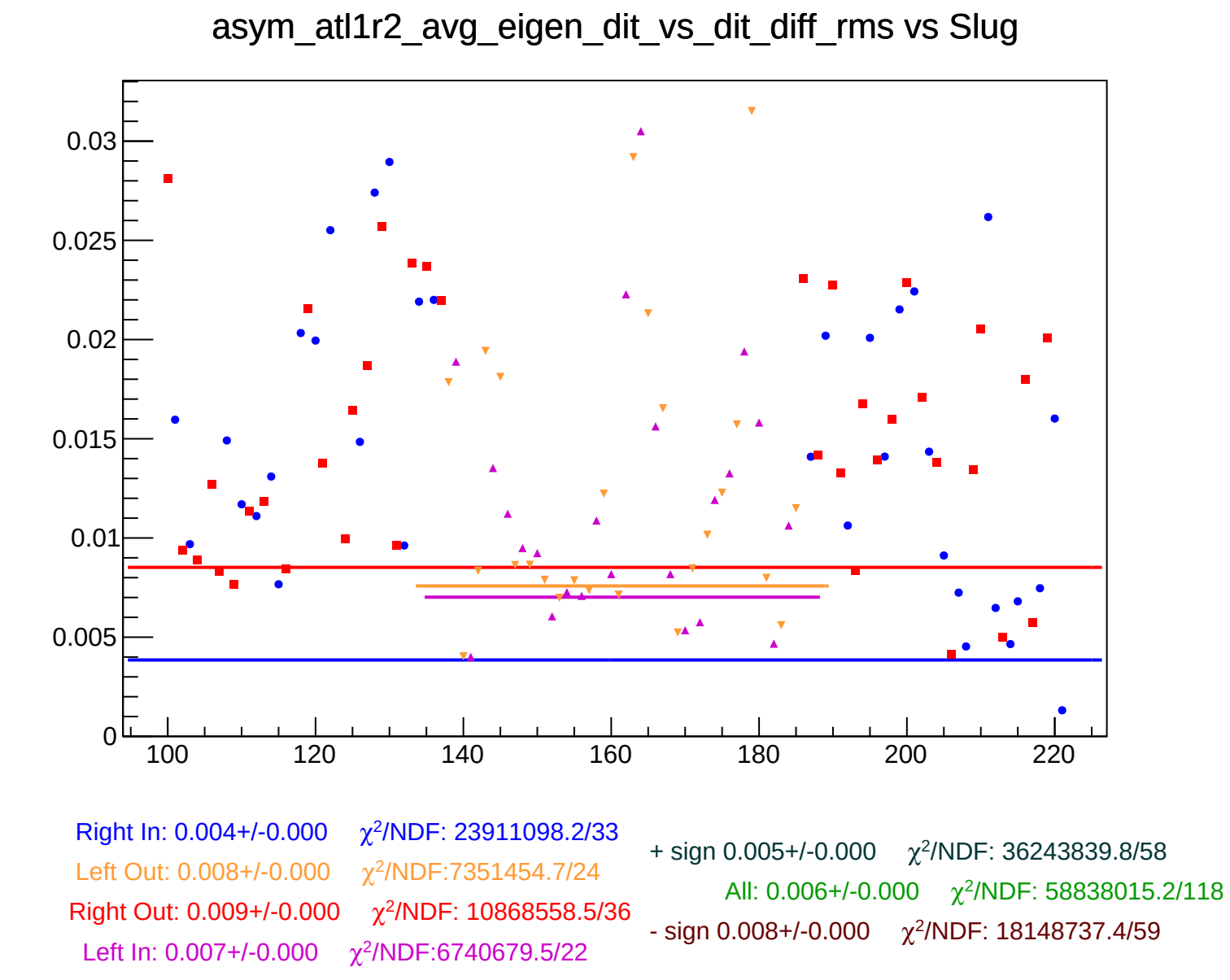
Right Out: -0.000+/-0.000 χ^2/NDF: 50.6/36

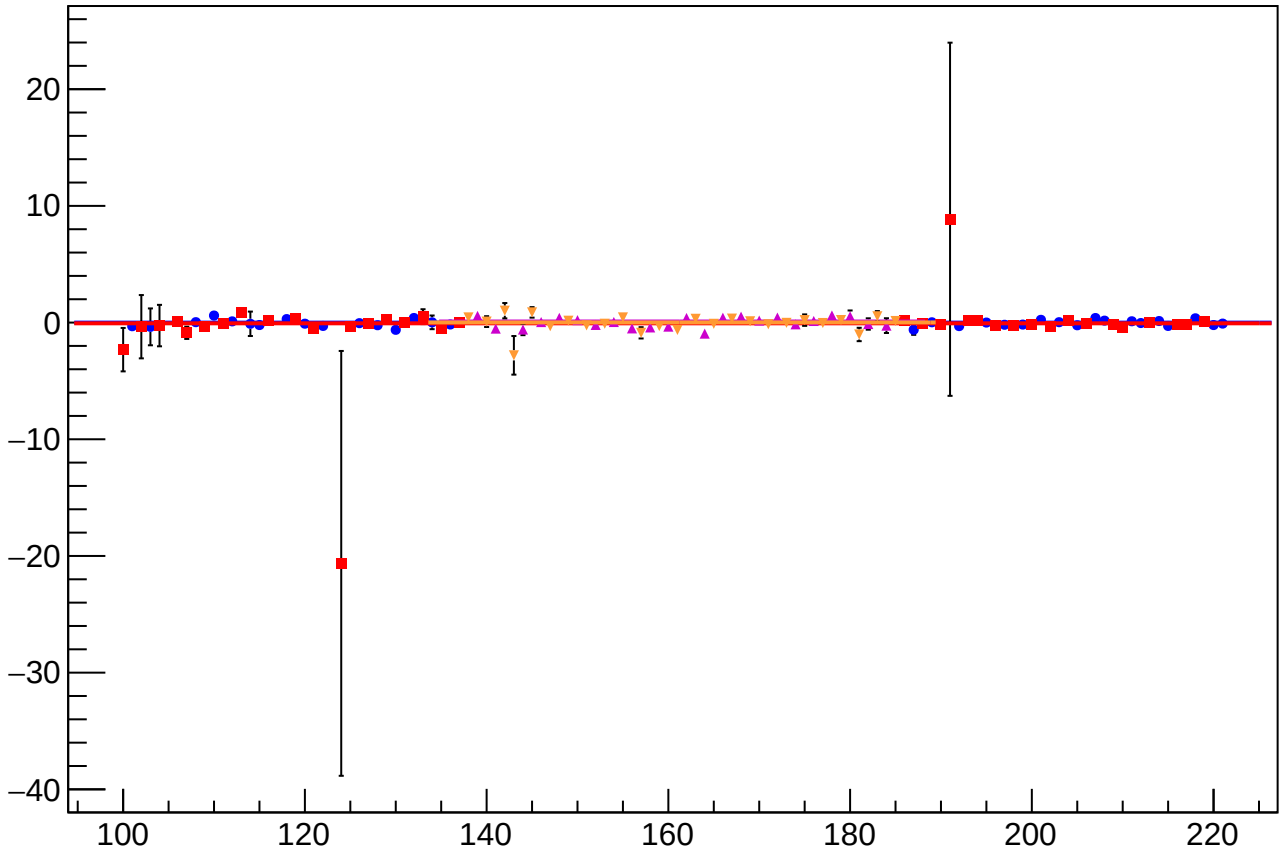
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.7/58

All: -0.000+/-0.000 χ^2/NDF: 173.9/118

- sign -0.000+/-0.000 χ^2/NDF: 85.3/59


asym_atl1r2_avg_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
220
Right In: 0.004+/-0.000 χ²/NDF: 23911098.2/33
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.009+/-0.000 χ²/NDF: 10868558.5/36
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.005+/-0.000 χ²/NDF: 36243839.8/58
All: 0.006+/-0.000 χ²/NDF: 58838015.2/118
- sign 0.008+/-0.000 χ²/NDF: 18148737.4/59



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

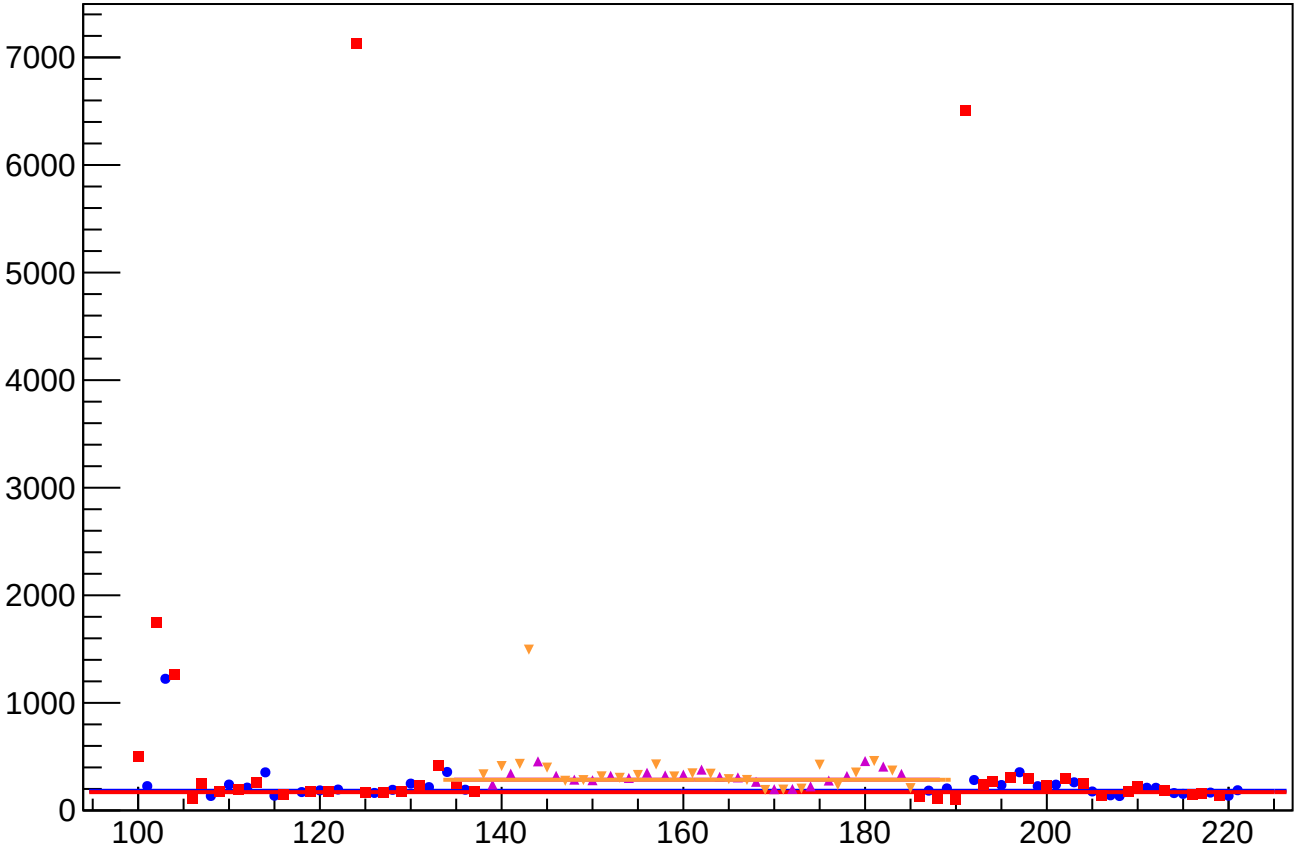
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 131.9/118

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 182.949+/-0.030 χ^2/NDF: 3119917.8/33

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

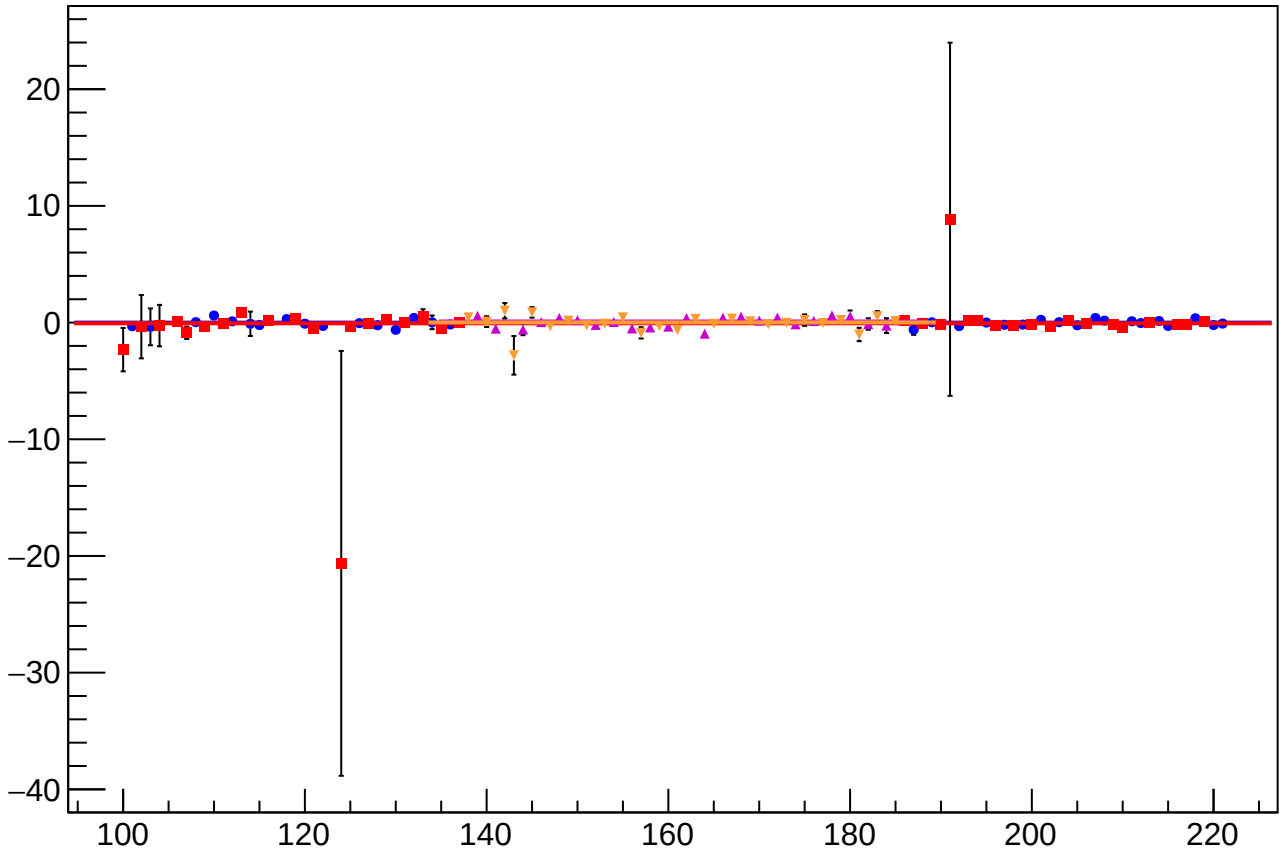
Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662768.7/58

All: 204.873+/-0.018 χ^2/NDF: 21131283.3/11

- sign 199.722+/-0.025 χ^2/NDF: 11383392.9/59



Right In: -0.004+/-0.042 χ^2/NDF: 35.0/33

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

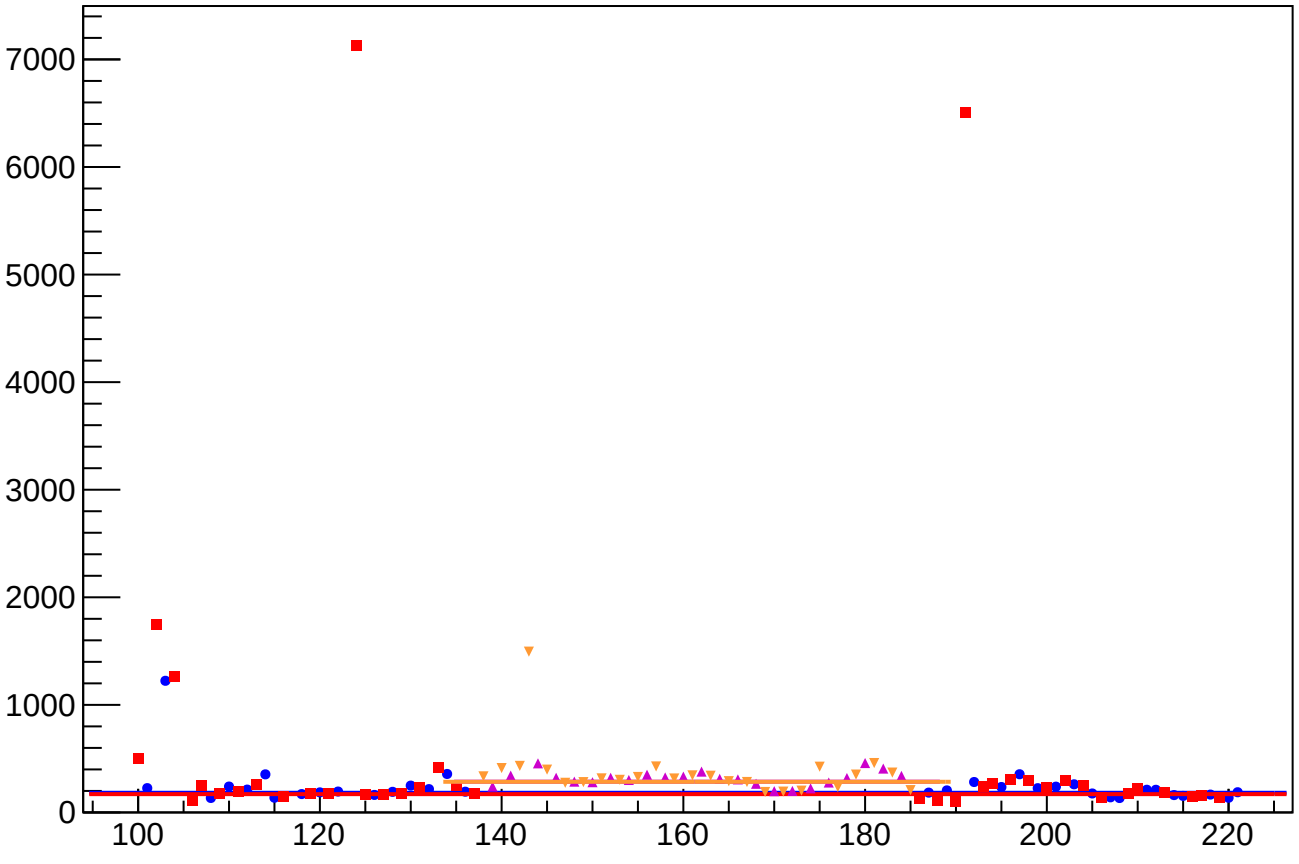
Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.036 χ^2/NDF: 63.4/58

All: -0.012+/-0.025 χ^2/NDF: 131.9/118

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59



Right In: 182.949+/-0.030 χ^2/NDF: 3119917.8/33

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

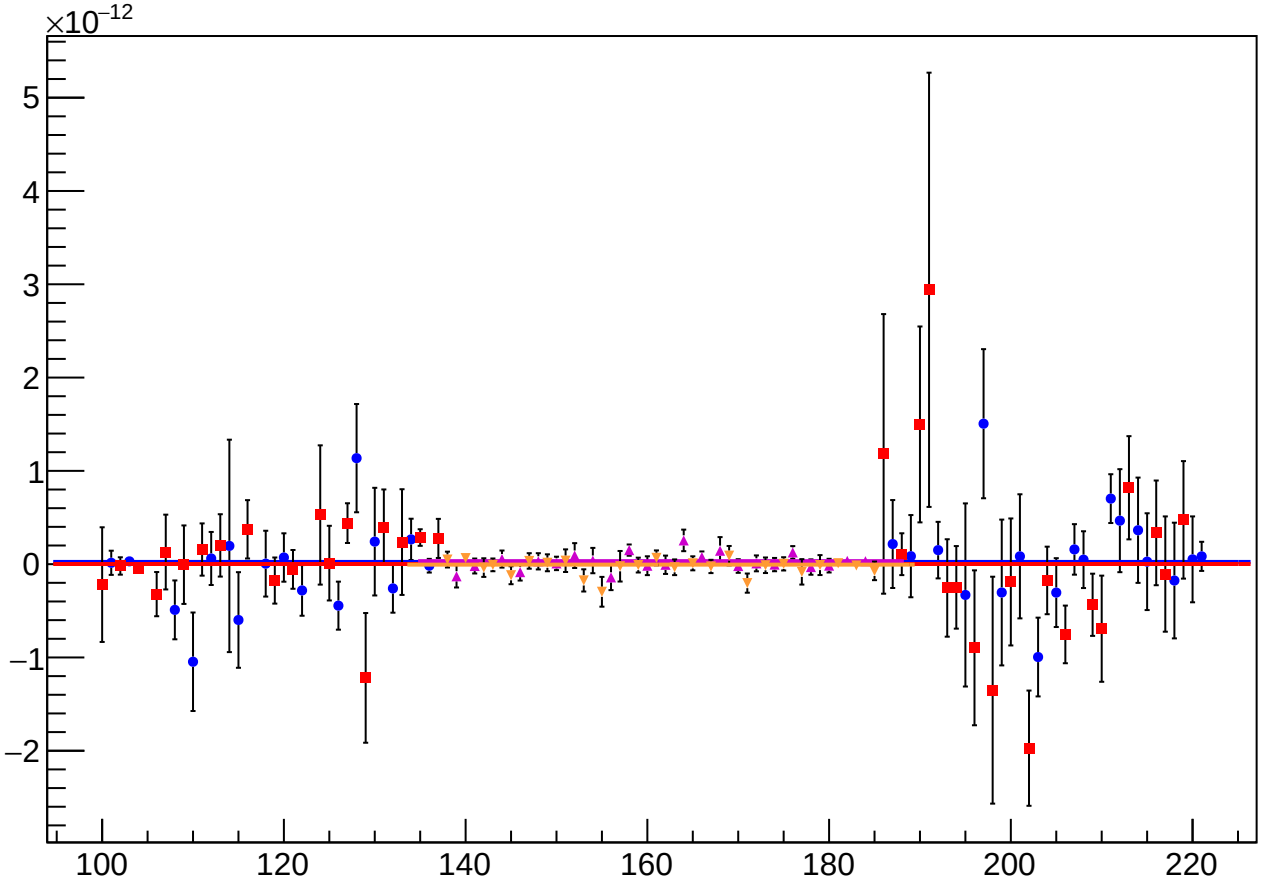
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 210.169+/-0.025 χ^2/NDF: 9662768.7/58

All: 204.873+/-0.018 χ^2/NDF: 21131283.3/11

- sign 199.722+/-0.025 χ^2/NDF: 11383392.9/59

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

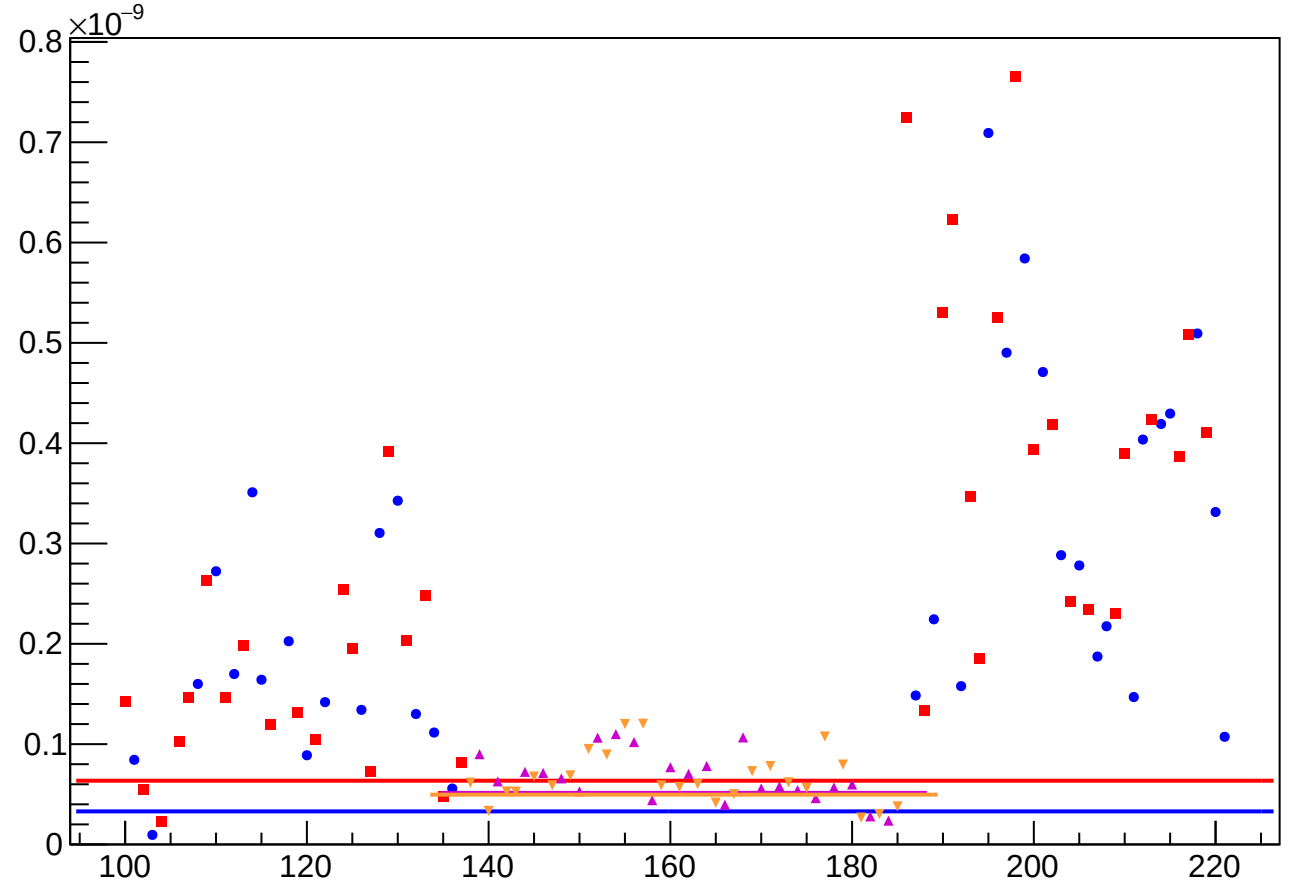
Right Out: 0.000+/-0.000 χ^2/NDF: 57.7/36

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.3/58

All: 0.000+/-0.000 χ^2/NDF: 134.7/118

- sign 0.000+/-0.000 χ^2/NDF: 77.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 20098705.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14434913.5/36

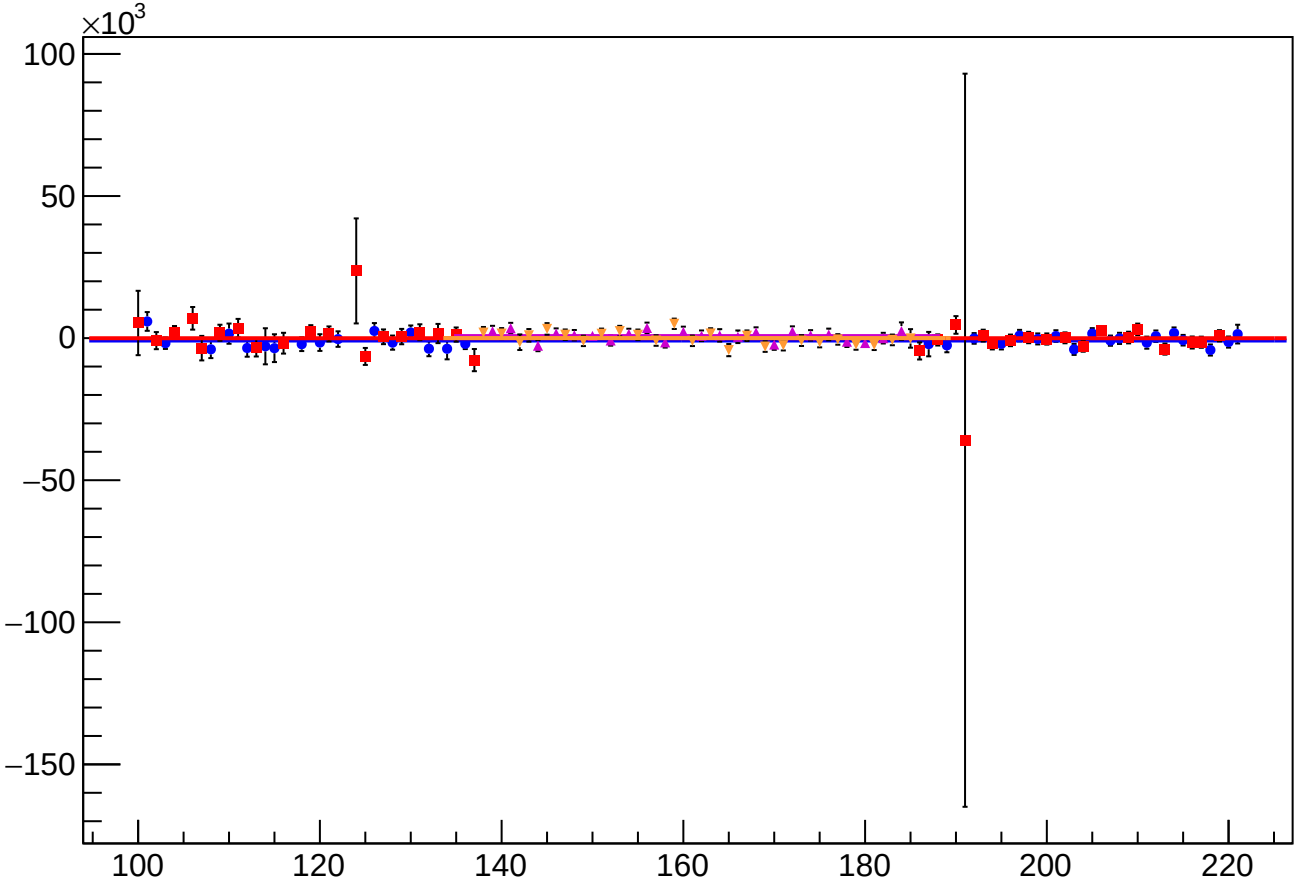
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24865591.8/58

All: 0.000+/-0.000 χ^2/NDF: 43854692.8/118

- sign 0.000+/-0.000 χ^2/NDF: 18349928.6/59

reg_asym_atl1r2_dd_mean vs Slug



Right In: -840.839+/-397.749 χ^2/NDF: 25.2/33

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -38.720+/-405.116 χ^2/NDF: 39.0/36

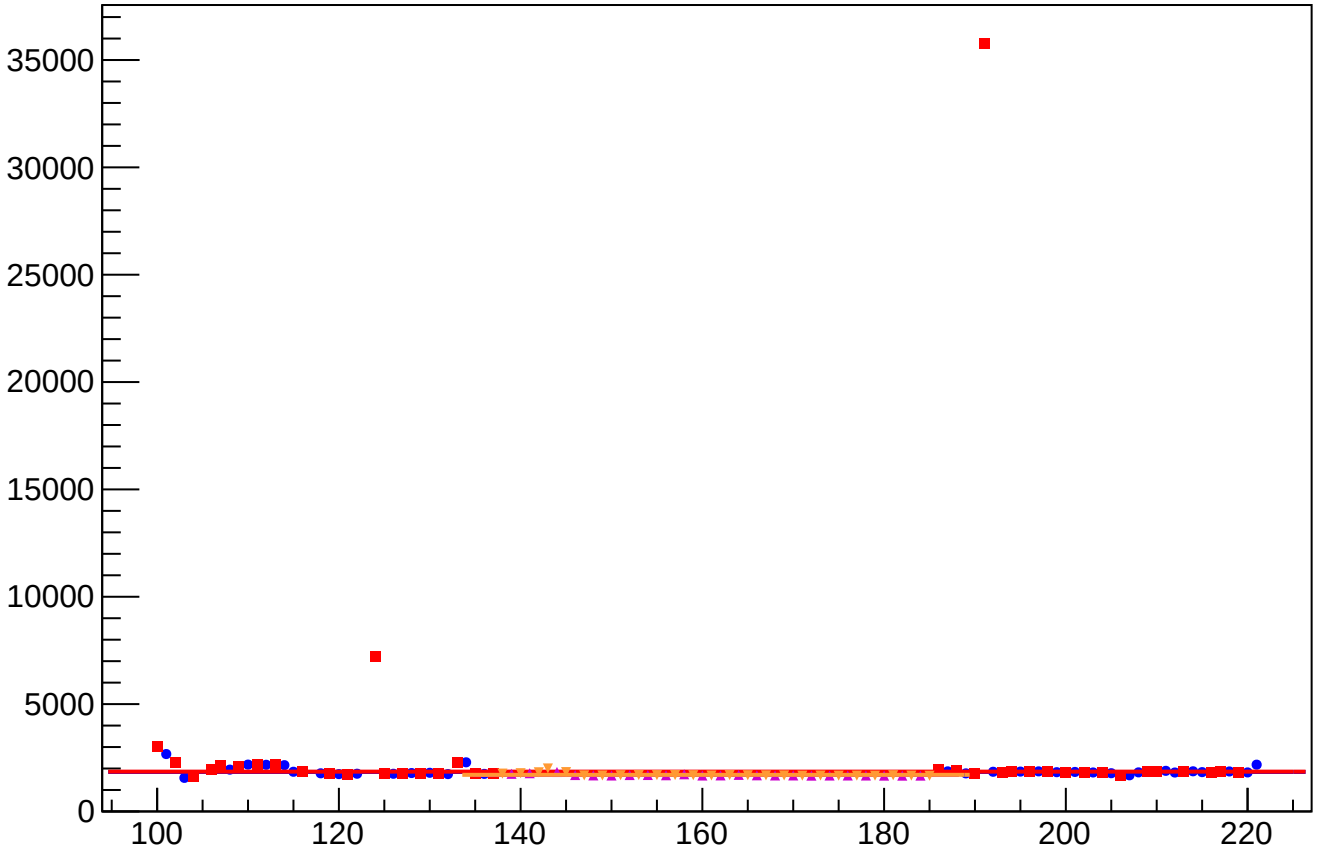
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -397.847+/-277.642 χ^2/NDF: 57.1/58

All: -32.218+/-198.309 χ^2/NDF: 120.6/118

\- sign 348.589+/-283.346 χ^2/NDF: 59.9/59

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1838.374+/-0.281 χ^2/NDF: 303805.6/33

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.441+/-0.286 χ^2/NDF: 537097.0/36

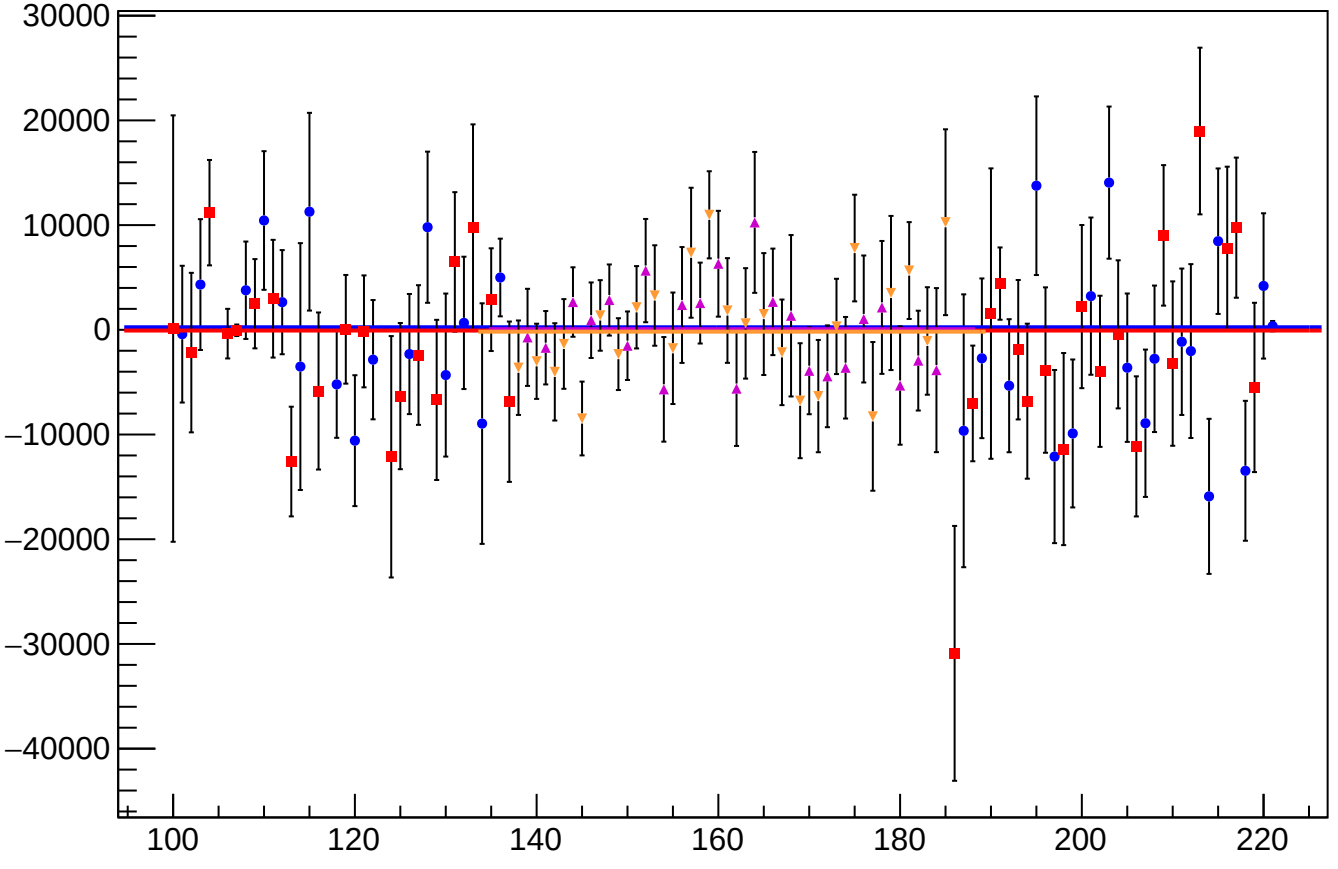
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1770.312+/-0.196 χ^2/NDF: 477947.2/58

All: 1772.286+/-0.140 χ^2/NDF: 1189811.6/11

- sign 1774.341+/-0.200 χ^2/NDF: 711658.0/59

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 242.793+/-452.175 χ^2/NDF: 39.2/33

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -69.315+/-482.575 χ^2/NDF: 44.7/36

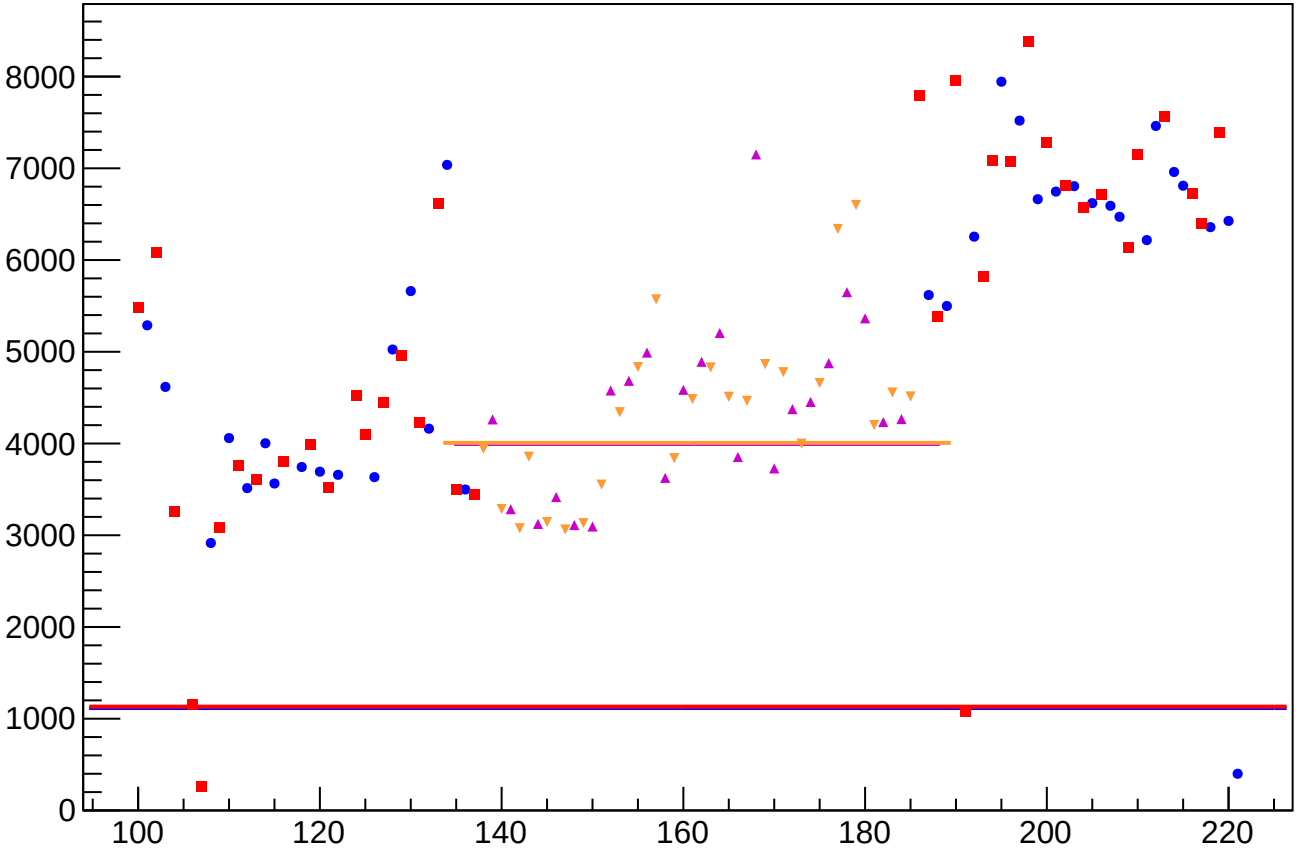
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 163.473+/-407.083 χ^2/NDF: 67.3/58

All: 65.711+/-295.892 χ^2/NDF: 126.5/118

- sign -43.793+/-430.836 χ^2/NDF: 59.0/59

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 1116.247+/-0.320 χ^2/NDF: 30933136.7/33

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1131.529+/-0.341 χ^2/NDF: 31103462.0/36

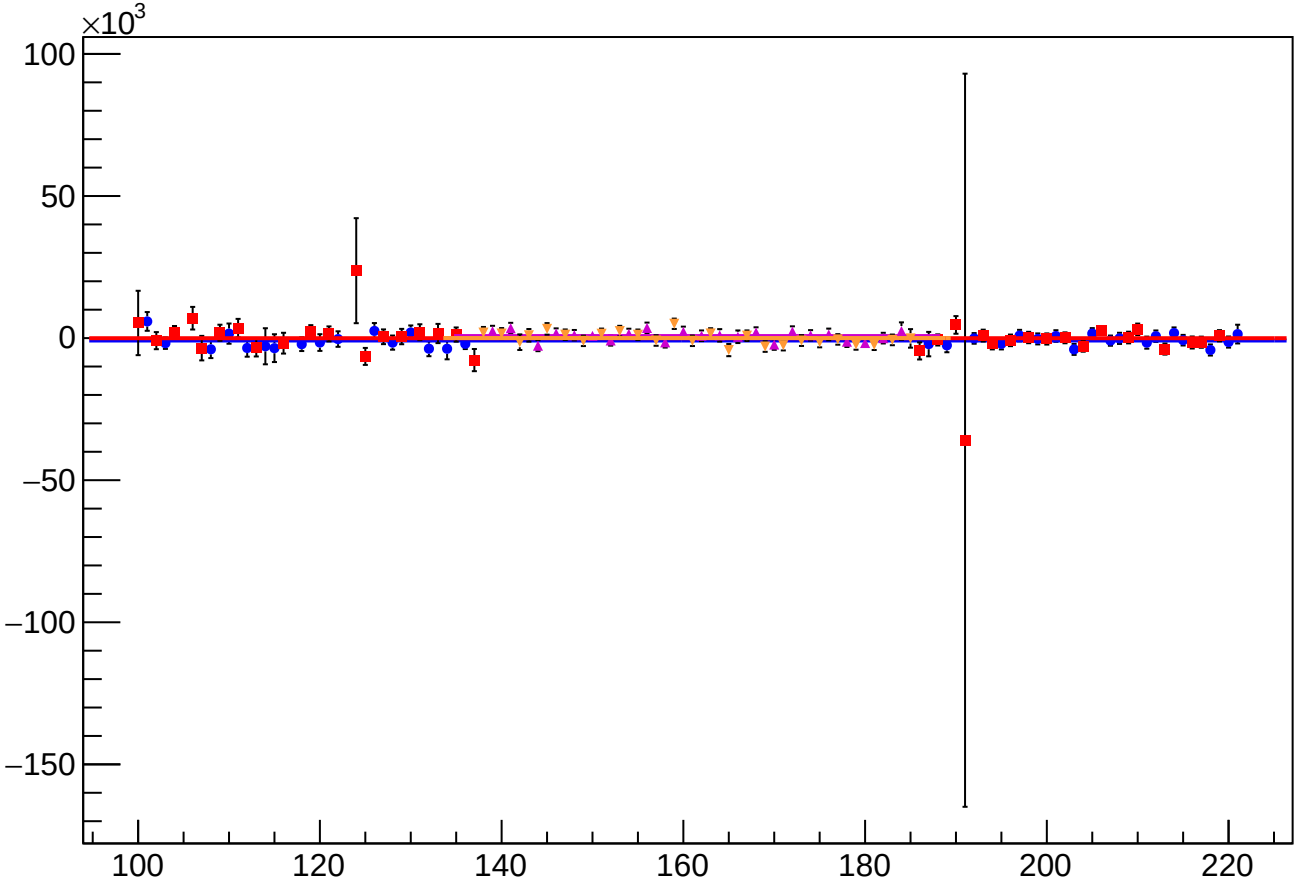
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 1664.046+/-0.288 χ^2/NDF: 47926748.6/58

All: 1686.957+/-0.209 χ^2/NDF: 94871790.1/1

- sign 1712.619+/-0.305 χ^2/NDF: 46931610.8/59

cor_asym_atl1r2_dd_mean vs Slug



Right In: -840.685+/-397.749 χ^2/NDF: 25.2/33

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -38.567+/-405.116 χ^2/NDF: 39.1/36

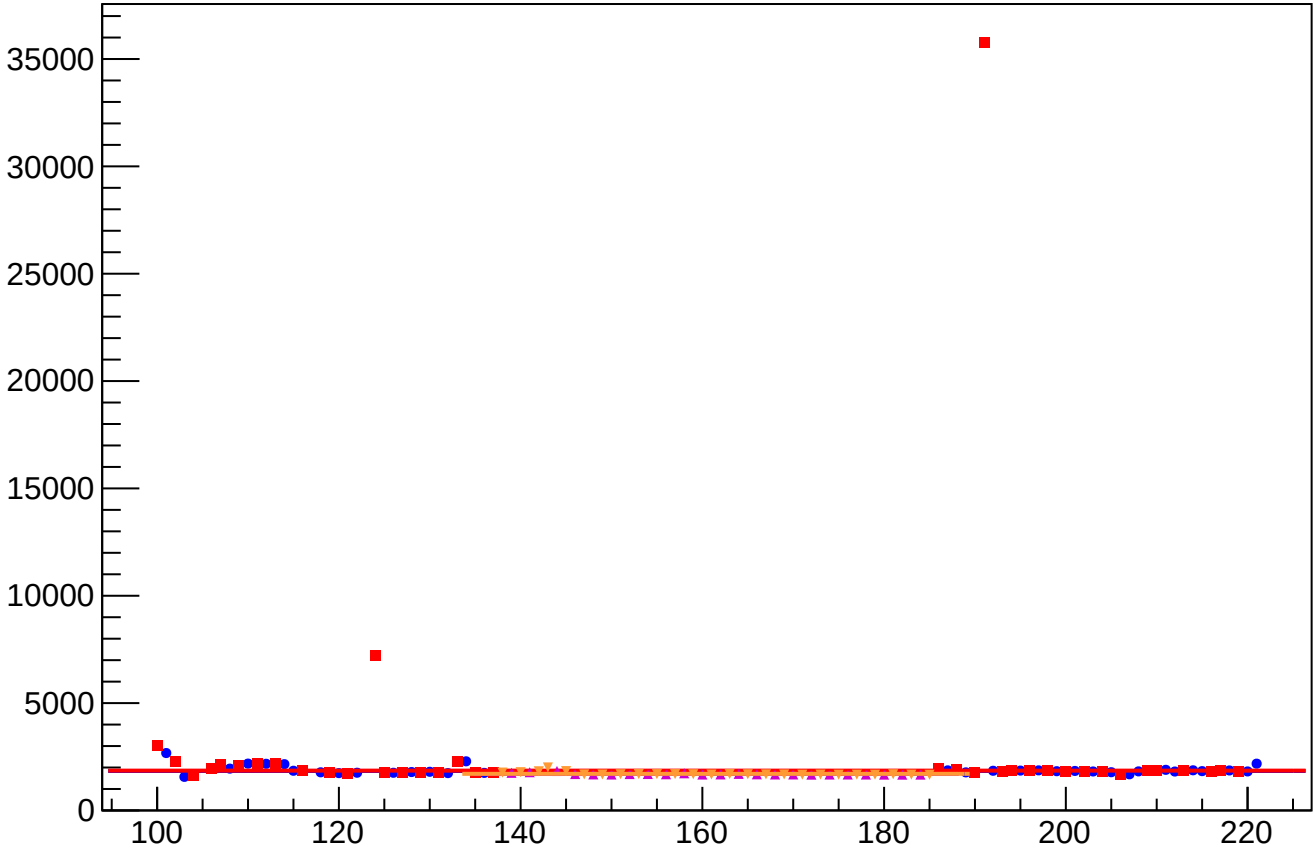
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -397.735+/-277.642 χ^2/NDF: 57.1/58

All: -32.155+/-198.309 χ^2/NDF: 120.6/118

- sign 348.601+/-283.346 χ^2/NDF: 59.9/59

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1838.374+/-0.281 χ^2/NDF: 303804.8/33

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

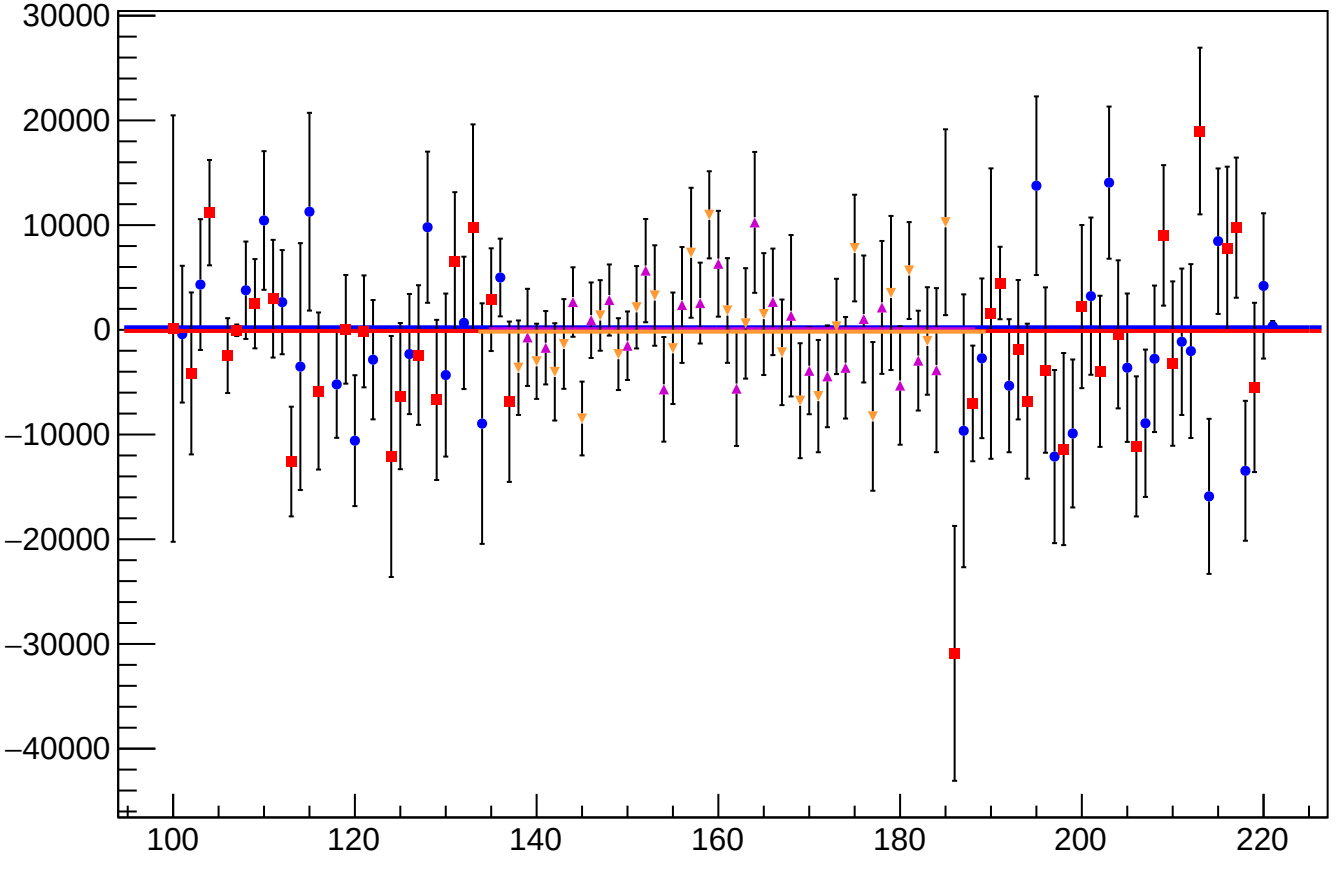
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1770.312+/-0.196 χ^2/NDF: 477946.6/58

All: 1772.318+/-0.140 χ^2/NDF: 1190439.3/11

- sign 1774.407+/-0.200 χ^2/NDF: 712279.6/59

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 241.862+/-452.067 χ^2/NDF: 39.2/33

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -107.940+/-488.327 χ^2/NDF: 45.4/36

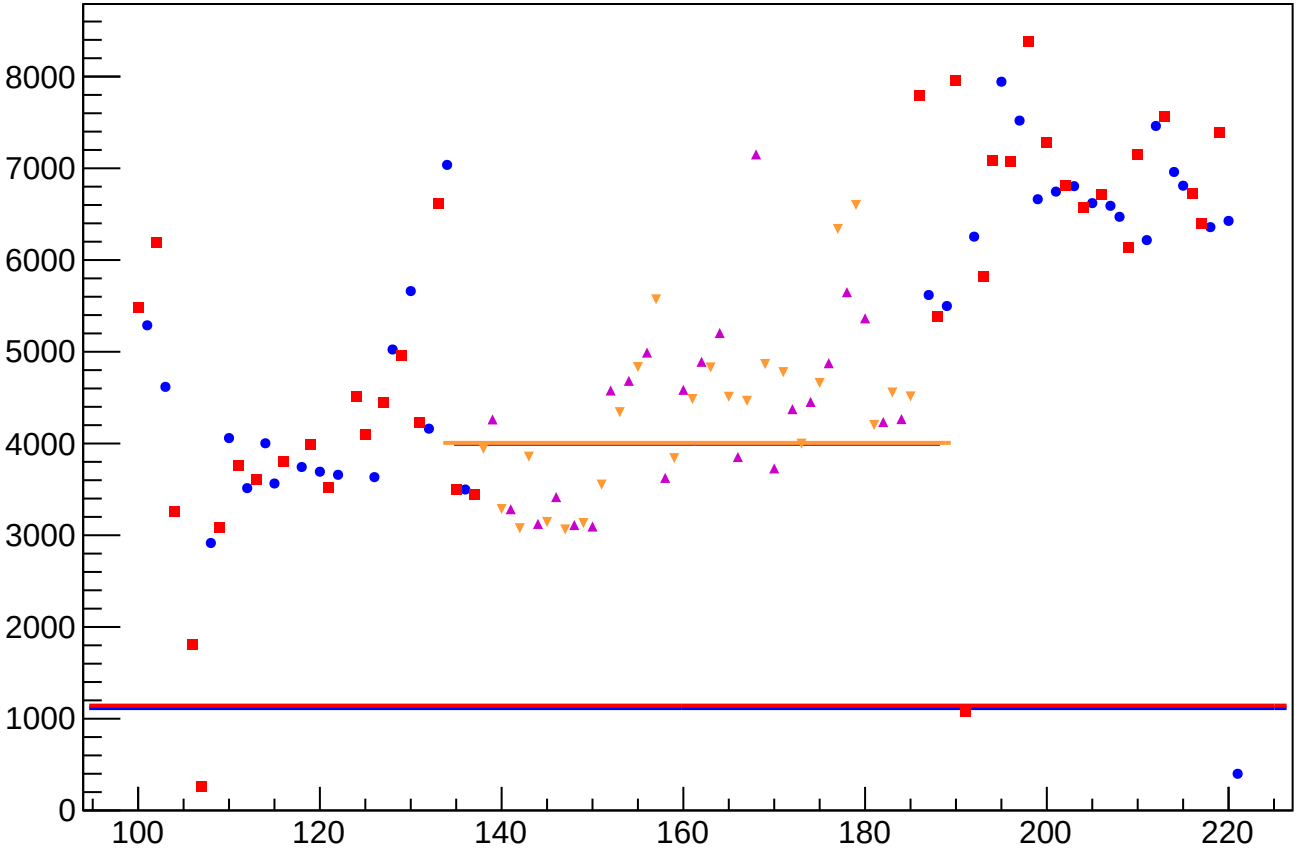
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 162.754+/-407.004 χ^2/NDF: 67.3/58

All: 52.235+/-297.173 χ^2/NDF: 127.2/118

- sign -73.960+/-434.914 χ^2/NDF: 59.7/59

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 1115.811+/-0.320 χ^2/NDF: 30936860.9/33

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

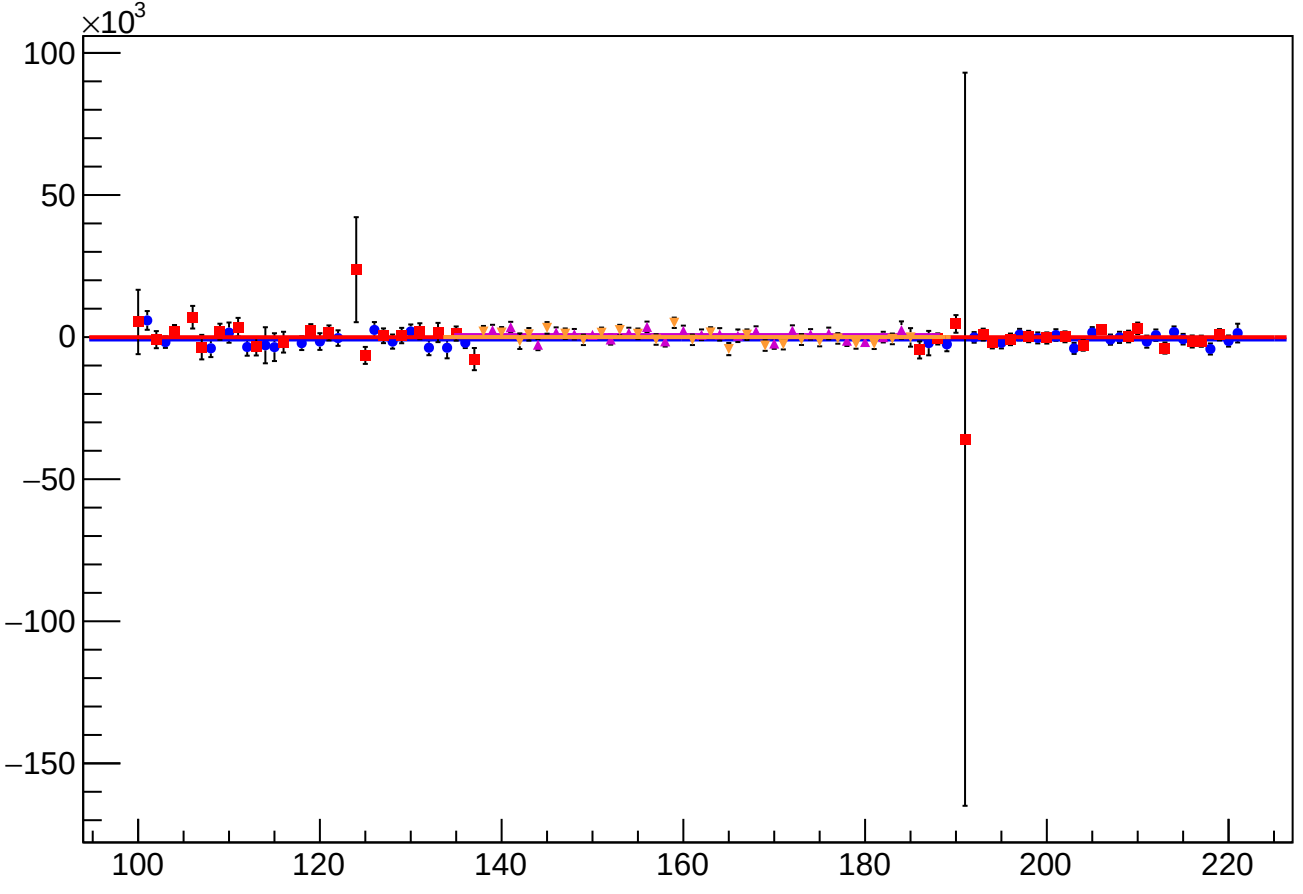
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 1663.482+/-0.288 χ^2/NDF: 47936518.9/58

All: 1695.808+/-0.210 χ^2/NDF: 94795728.3/1

- sign 1732.719+/-0.308 χ^2/NDF: 46832186.8/59

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -840.685+/-397.749 χ^2/NDF: 25.2/33

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -38.567+/-405.116 χ^2/NDF: 39.1/36

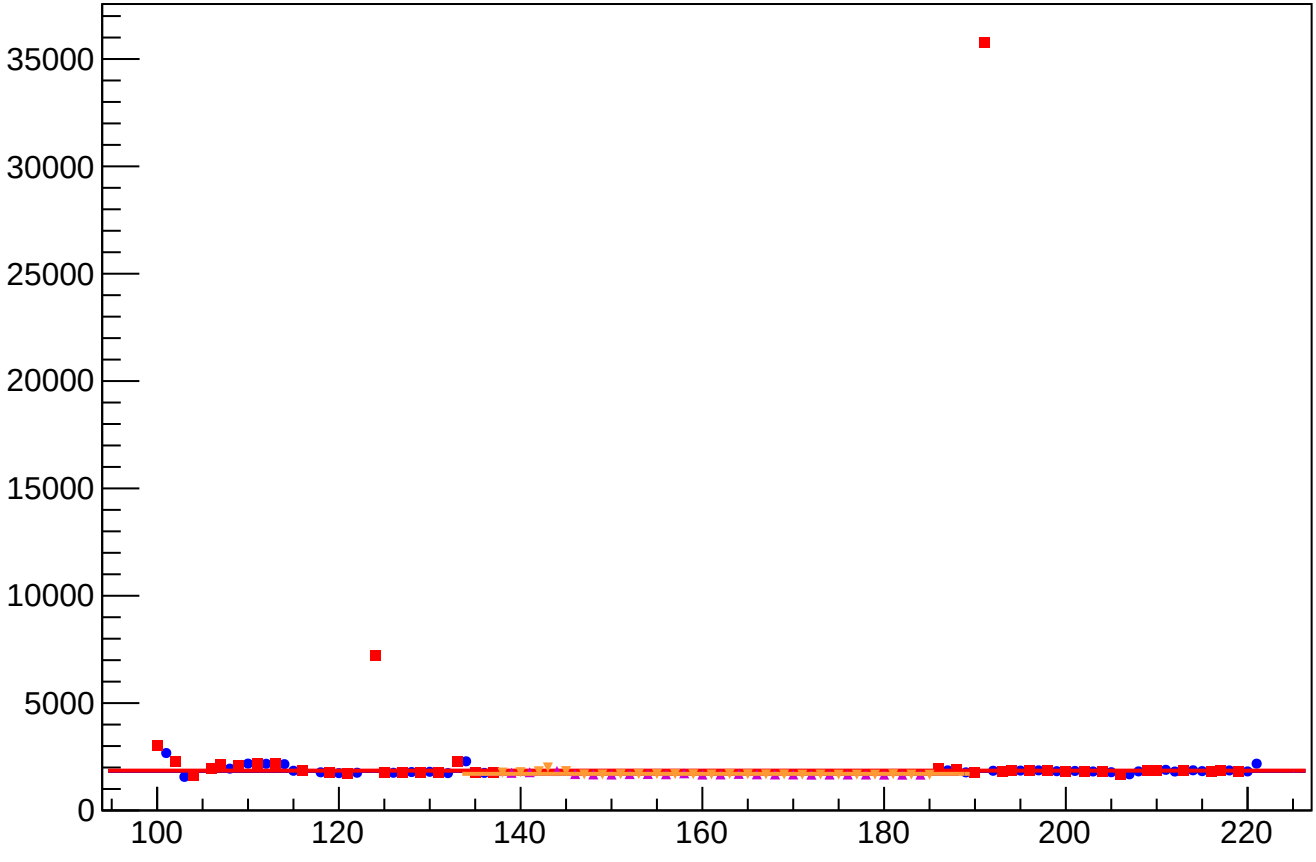
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -397.735+/-277.642 χ^2/NDF: 57.1/58

All: -32.155+/-198.309 χ^2/NDF: 120.6/118

- sign 348.601+/-283.346 χ^2/NDF: 59.9/59

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1838.374+/-0.281 χ^2/NDF: 303804.8/33

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

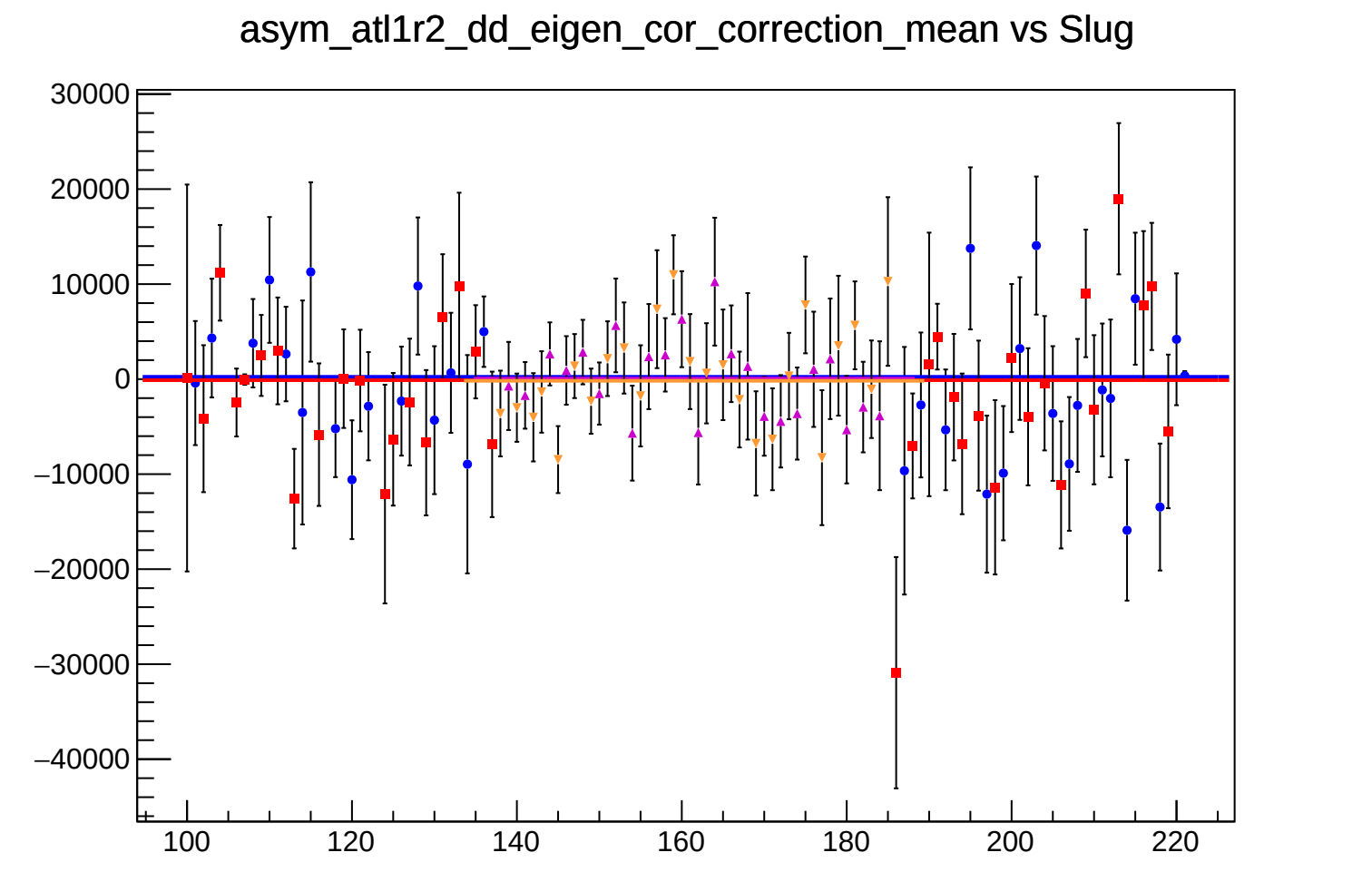
Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1770.312+/-0.196 χ^2/NDF: 477946.6/58

All: 1772.318+/-0.140 χ^2/NDF: 1190439.3/11

- sign 1774.407+/-0.200 χ^2/NDF: 712279.6/59



Right In: 241.862+/-452.067 χ^2/NDF: 39.2/33

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -107.940+/-488.327 χ^2/NDF: 45.4/36

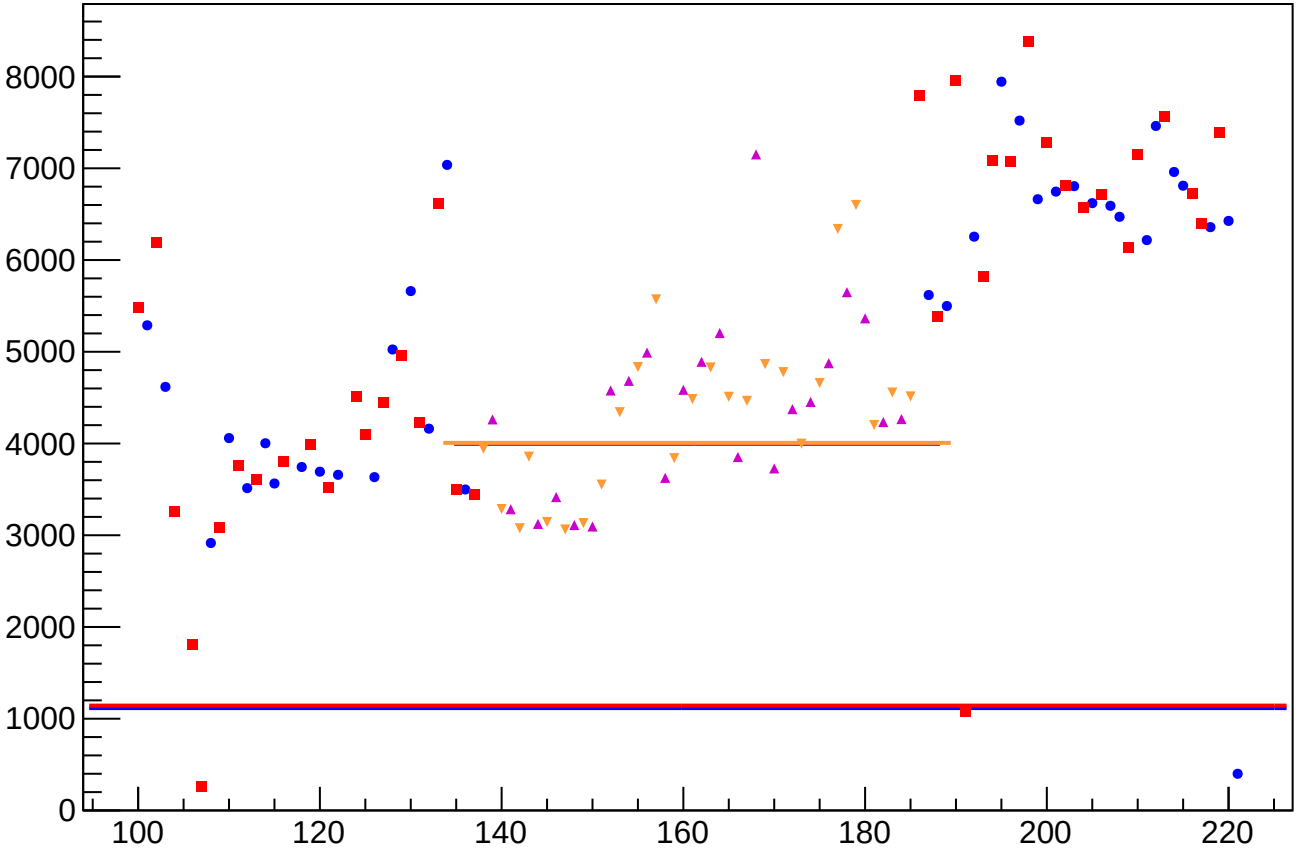
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

\+ sign 162.754+/-407.004 χ^2/NDF: 67.3/58

All: 52.235+/-297.173 χ^2/NDF: 127.2/118

\- sign -73.960+/-434.914 χ^2/NDF: 59.7/59

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 1115.811+/-0.320 χ^2/NDF: 30936860.9/33

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

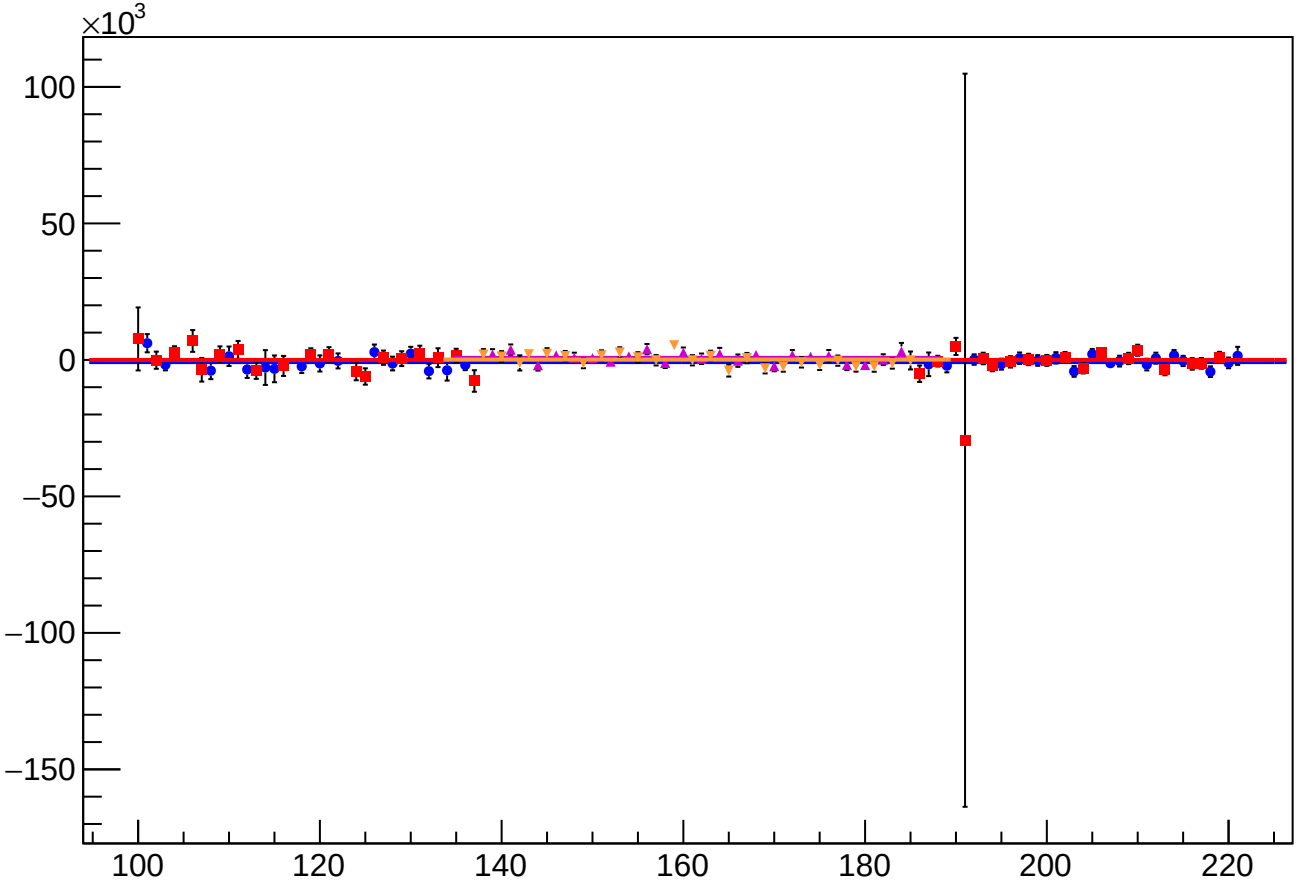
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 1663.482+/-0.288 χ^2/NDF: 47936518.9/58

All: 1695.808+/-0.210 χ^2/NDF: 94795728.3/1

- sign 1732.719+/-0.308 χ^2/NDF: 46832186.8/59

dit_asym_atl1r2_dd_mean vs Slug



Right In: -801.441+/-401.368 χ^2/NDF: 26.5/33

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -11.621+/-406.717 χ^2/NDF: 40.5/36

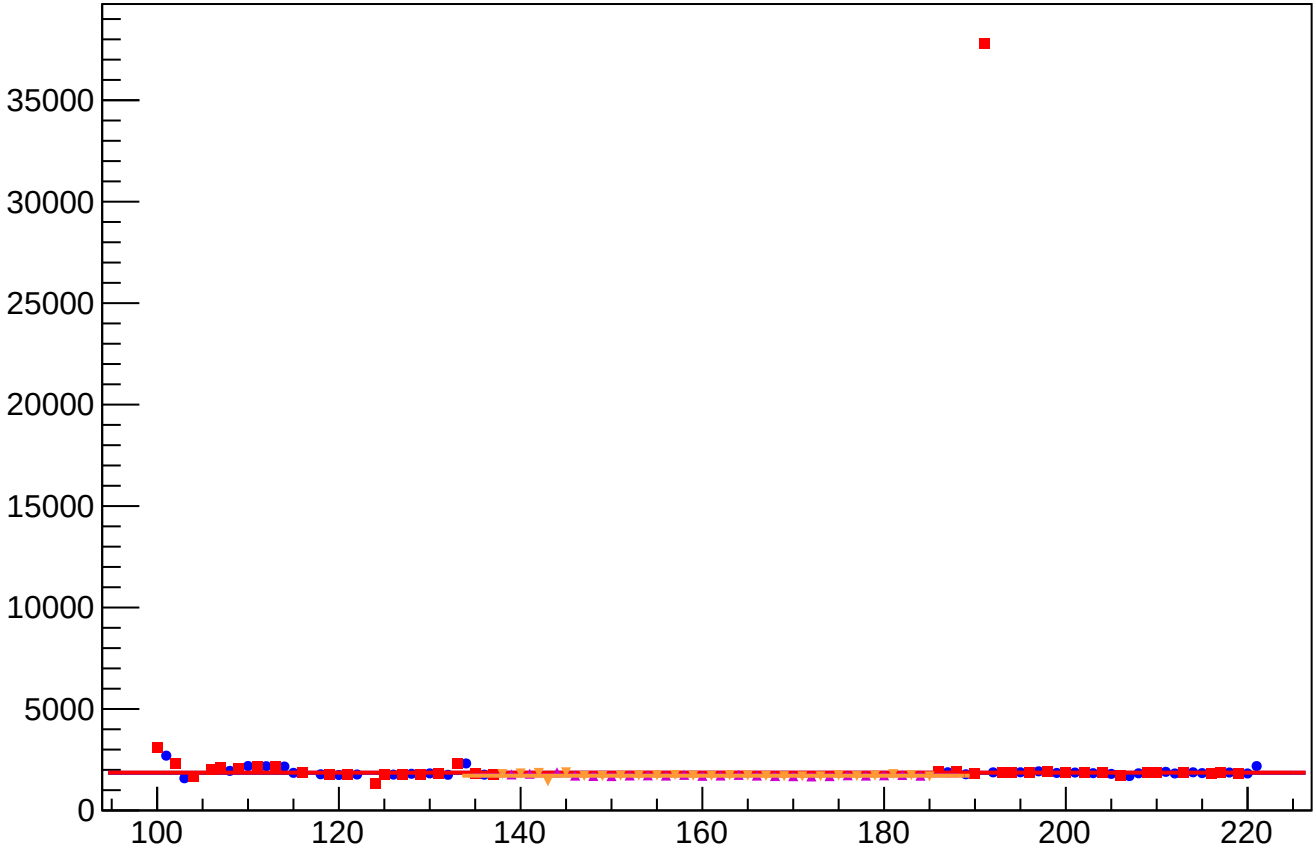
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -326.868+/-279.504 χ^2/NDF: 58.9/58

All: 11.345+/-200.130 χ^2/NDF: 123.1/118

- sign 367.158+/-286.684 χ^2/NDF: 61.2/59

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1854.979+/-0.284 χ^2/NDF: 302073.8/33

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.0/36

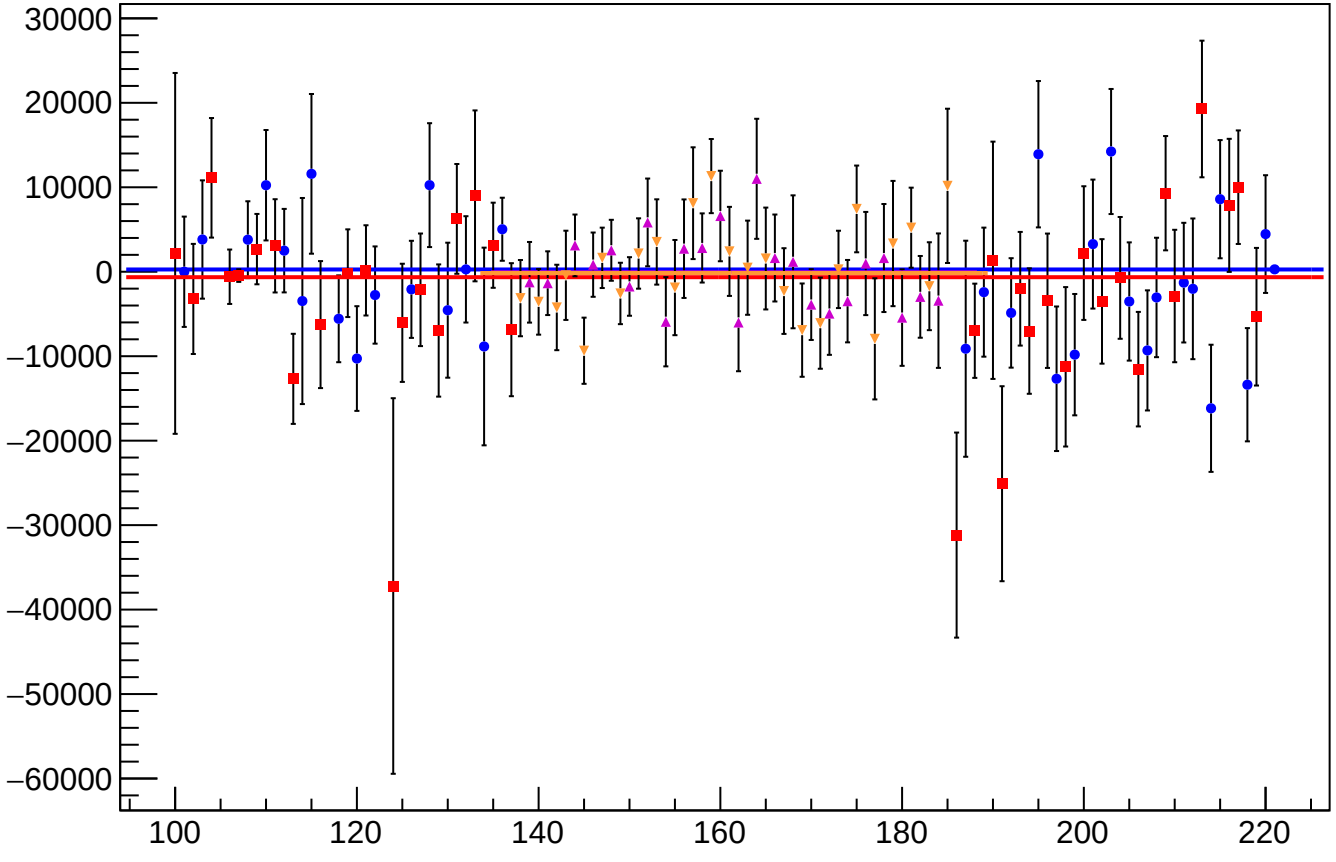
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1781.496+/-0.198 χ^2/NDF: 526628.7/58

All: 1788.757+/-0.142 χ^2/NDF: 1091865.2/11

- sign 1796.394+/-0.203 χ^2/NDF: 562467.3/59

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 268.399+/-183.834 χ^2/NDF: 38.9/33

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -645.306+/-619.350 χ^2/NDF: 46.5/36

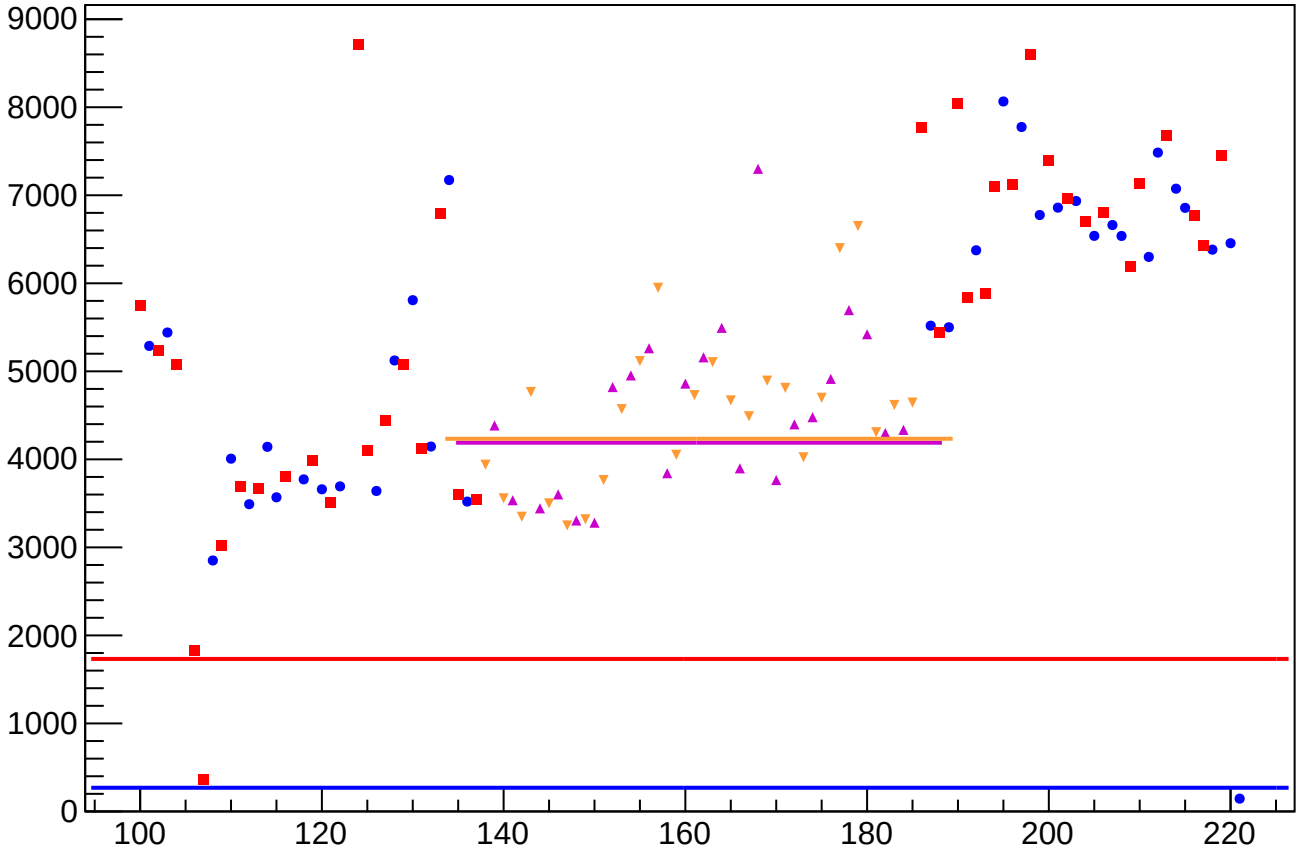
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 254.309+/-180.714 χ^2/NDF: 65.9/58

All: 176.459+/-170.927 χ^2/NDF: 128.4/118

- sign -484.491+/-526.556 χ^2/NDF: 60.7/59

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 269.236+/-0.130 χ^2/NDF: 38831078.0/33

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

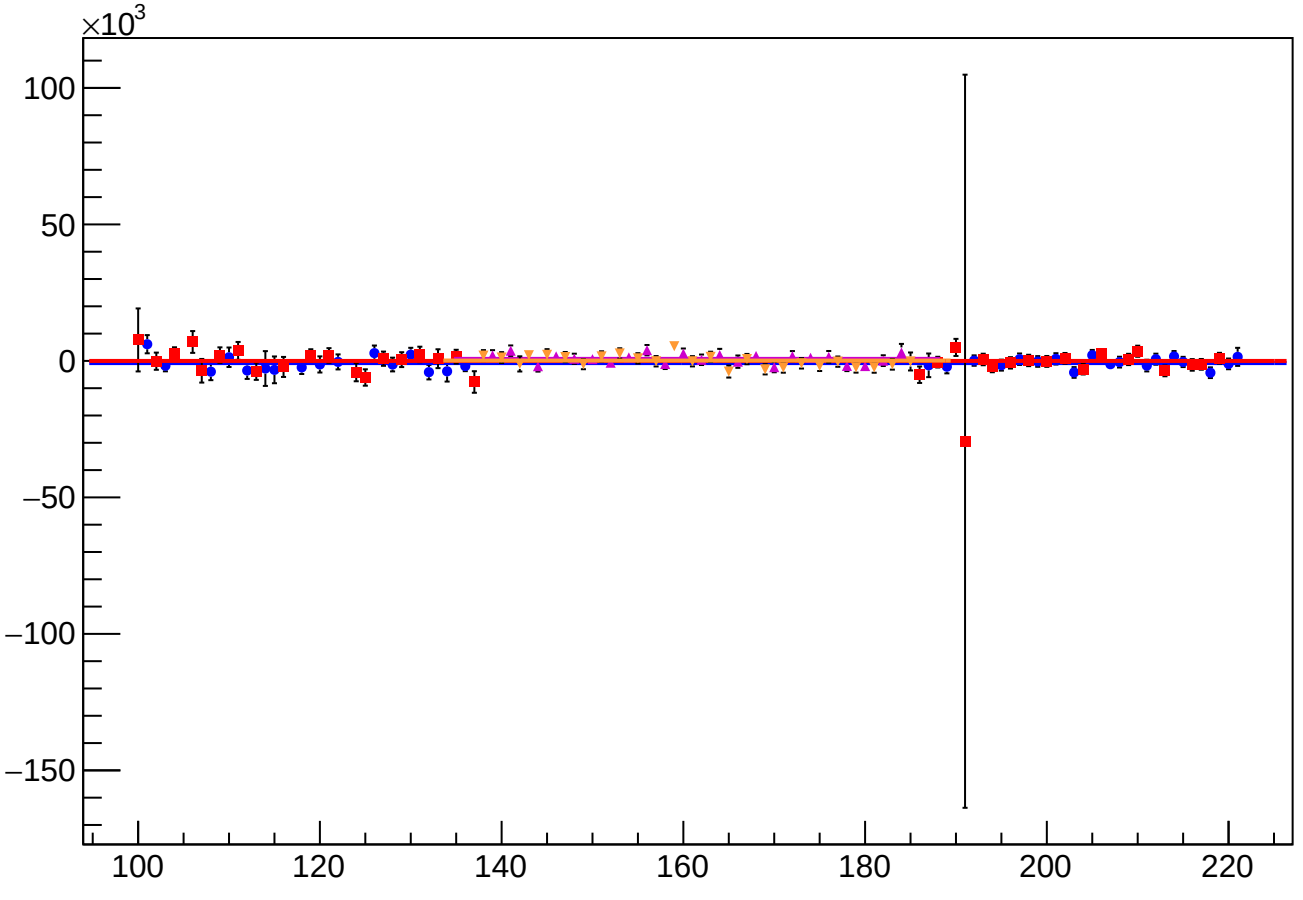
Right Out: 1732.683+/-0.438 χ^2/NDF: 27145805.5/36

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 402.690+/-0.128 χ^2/NDF: 71428163.5/58

All: 614.582+/-0.121 χ^2/NDF: 134731989.2/1

- sign 2413.544+/-0.372 χ^2/NDF: 37209650.4/59



Right In: -801.437+/-401.368 χ^2/NDF: 26.5/33

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -11.620+/-406.717 χ^2/NDF: 40.5/36

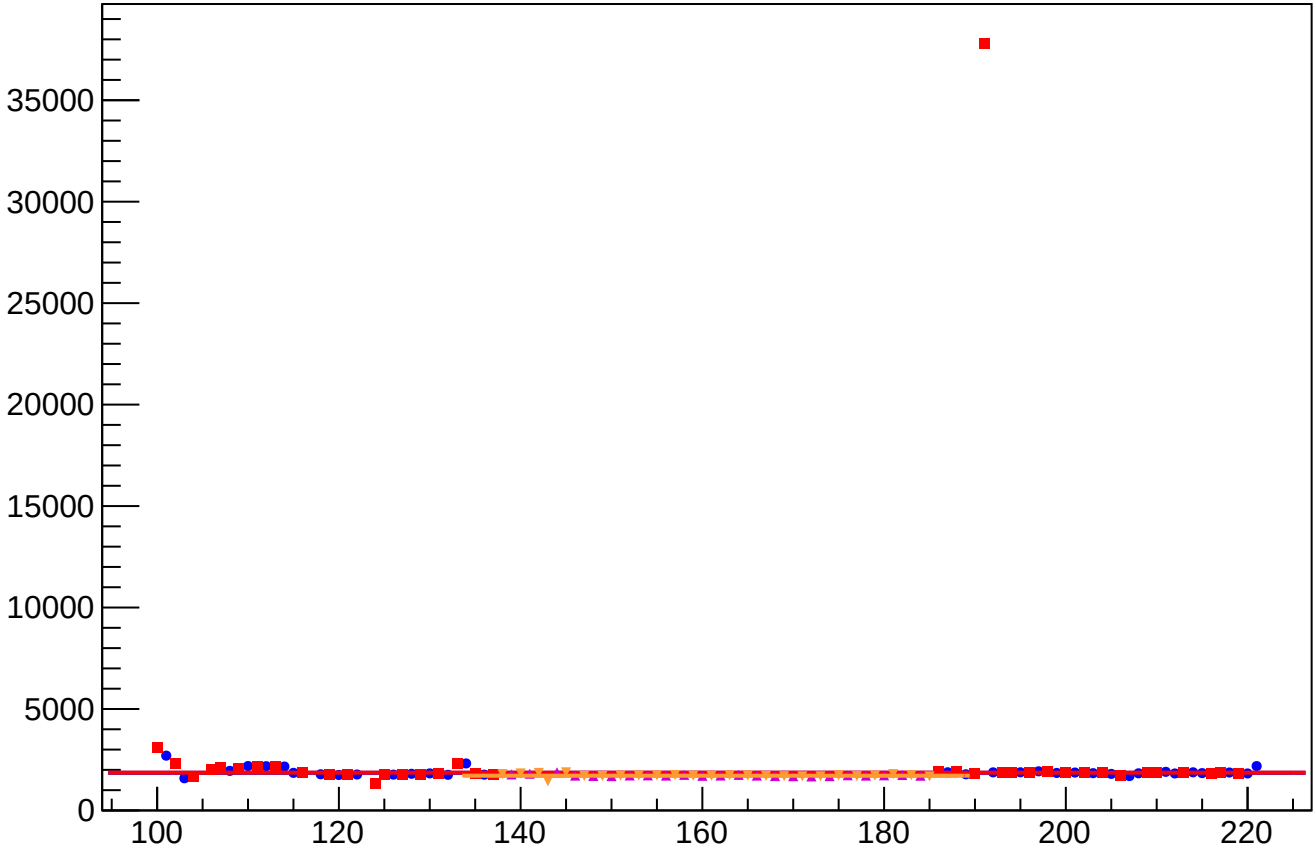
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -326.865+/-279.504 χ^2/NDF: 58.9/58

All: 11.347+/-200.130 χ^2/NDF: 123.1/118

- sign 367.158+/-286.684 χ^2/NDF: 61.2/59

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1854.980+/-0.284 χ^2/NDF: 302073.7/33

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

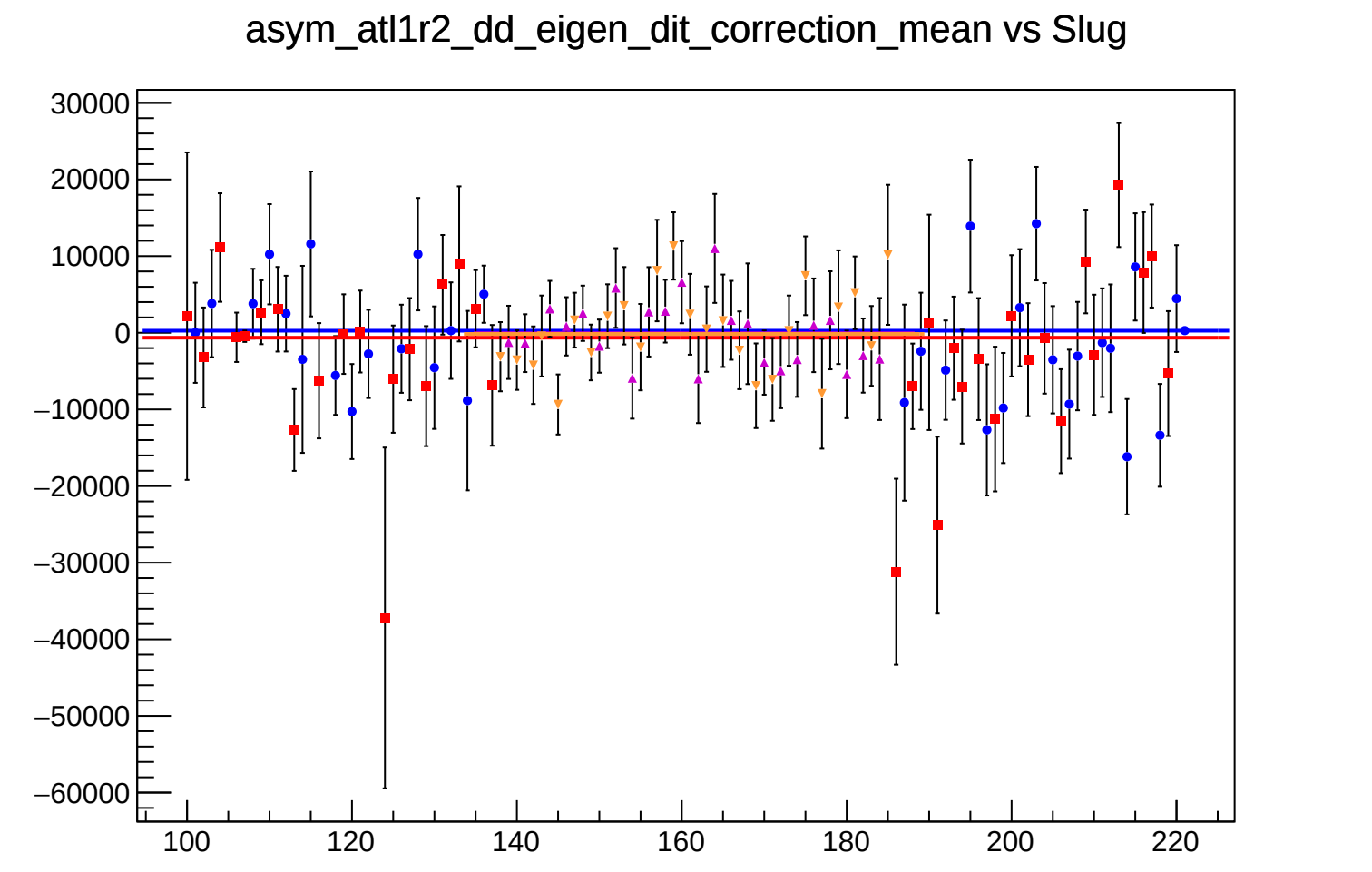
Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.2/36

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1781.497+/-0.198 χ^2/NDF: 526626.6/58

All: 1788.758+/-0.142 χ^2/NDF: 1091862.6/11

- sign 1796.394+/-0.203 χ^2/NDF: 562466.8/59



Right In: 268.404+/-183.837 χ^2/NDF: 38.9/33

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -645.316+/-619.359 χ^2/NDF: 46.5/36

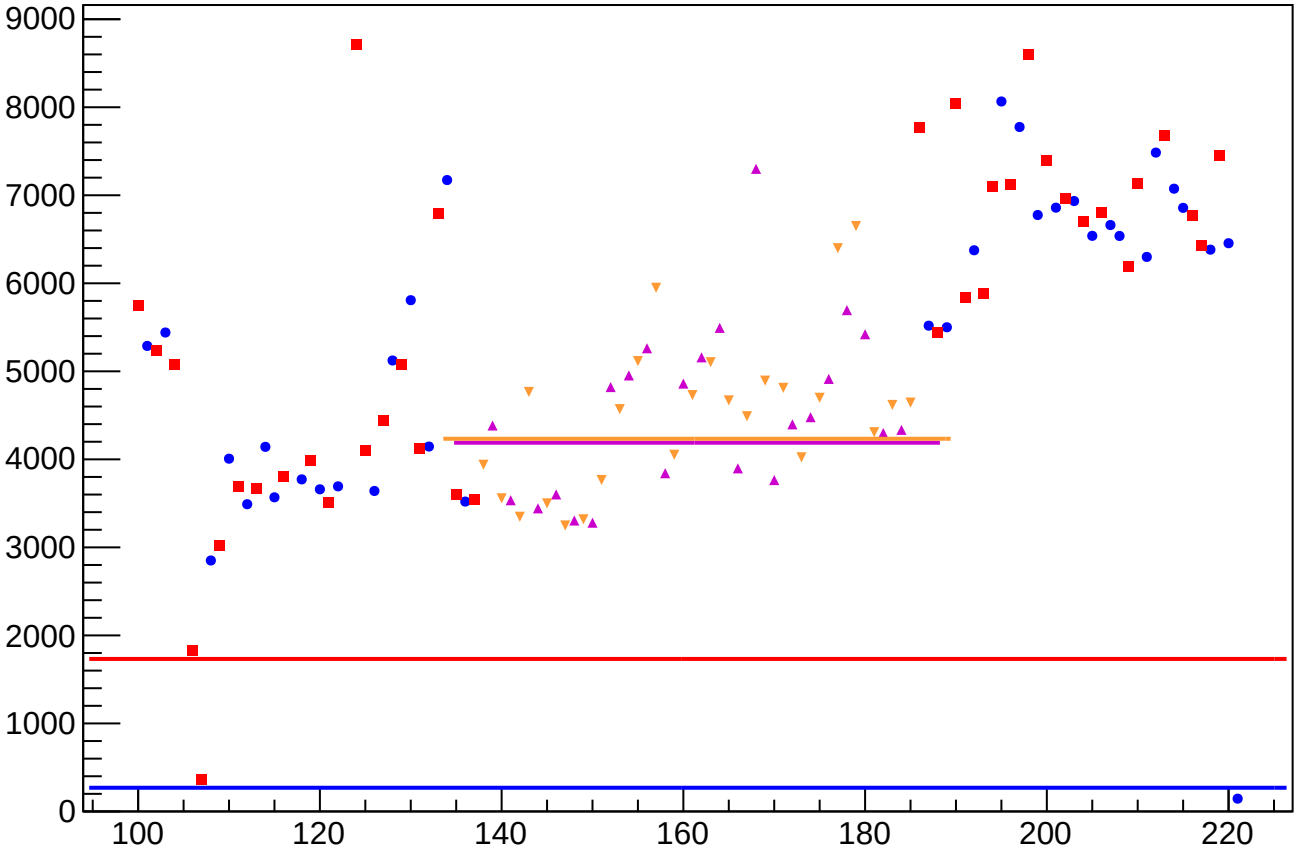
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 254.314+/-180.716 χ^2/NDF: 65.9/58

All: 176.462+/-170.930 χ^2/NDF: 128.4/118

- sign -484.496+/-526.562 χ^2/NDF: 60.7/59

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 269.243+/-0.130 χ^2/NDF: 38831010.6/33

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1732.728+/-0.438 χ^2/NDF: 27145437.3/36

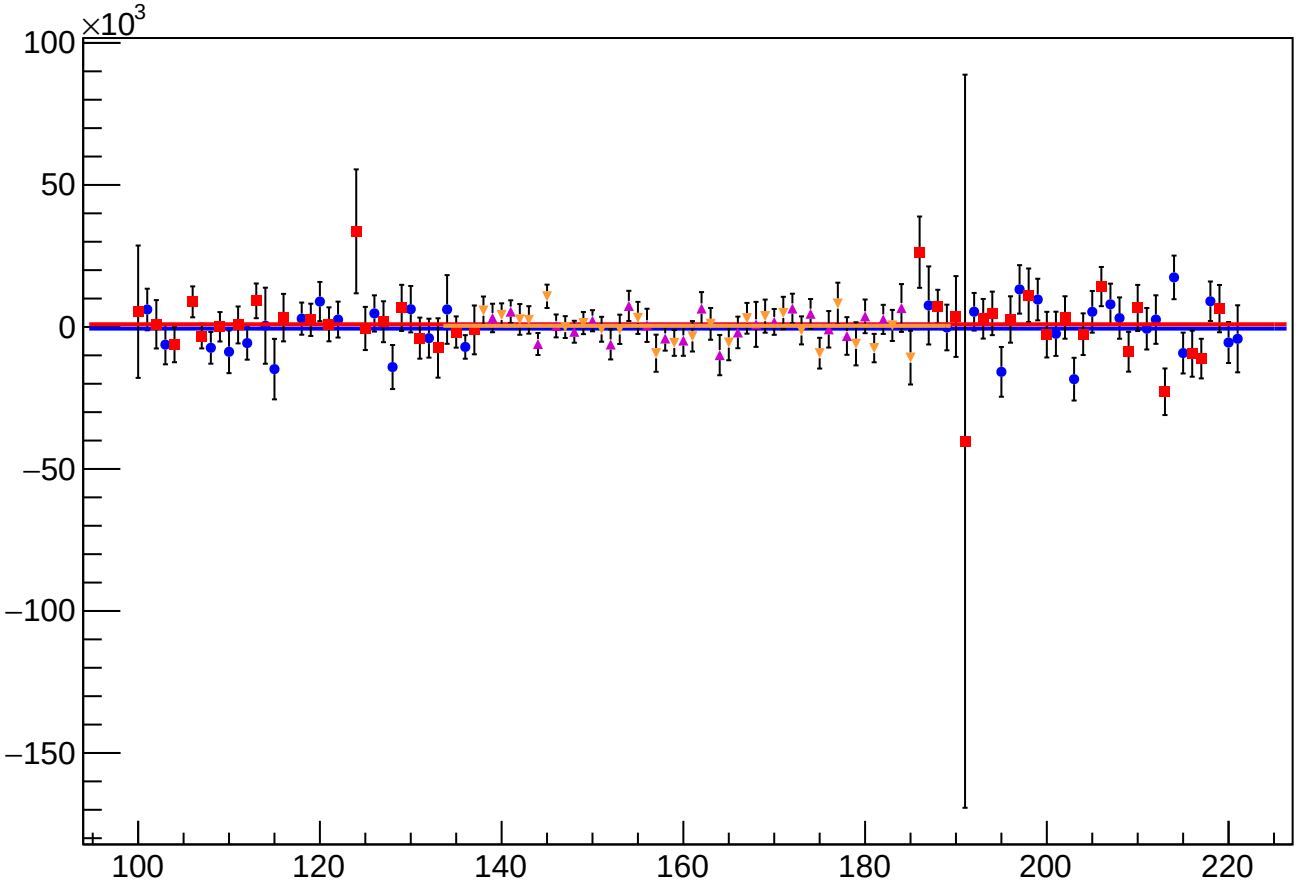
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 402.700+/-0.128 χ^2/NDF: 71427966.9/58

All: 614.598+/-0.121 χ^2/NDF: 134731426.3/1

- sign 2413.592+/-0.372 χ^2/NDF: 37208914.8/59

asym_atl1r2_dd_mean vs Slug



Right In: -581.914+/-1242.689 χ^2/NDF: 42.9/33

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 946.487+/-1199.098 χ^2/NDF: 37.6/36

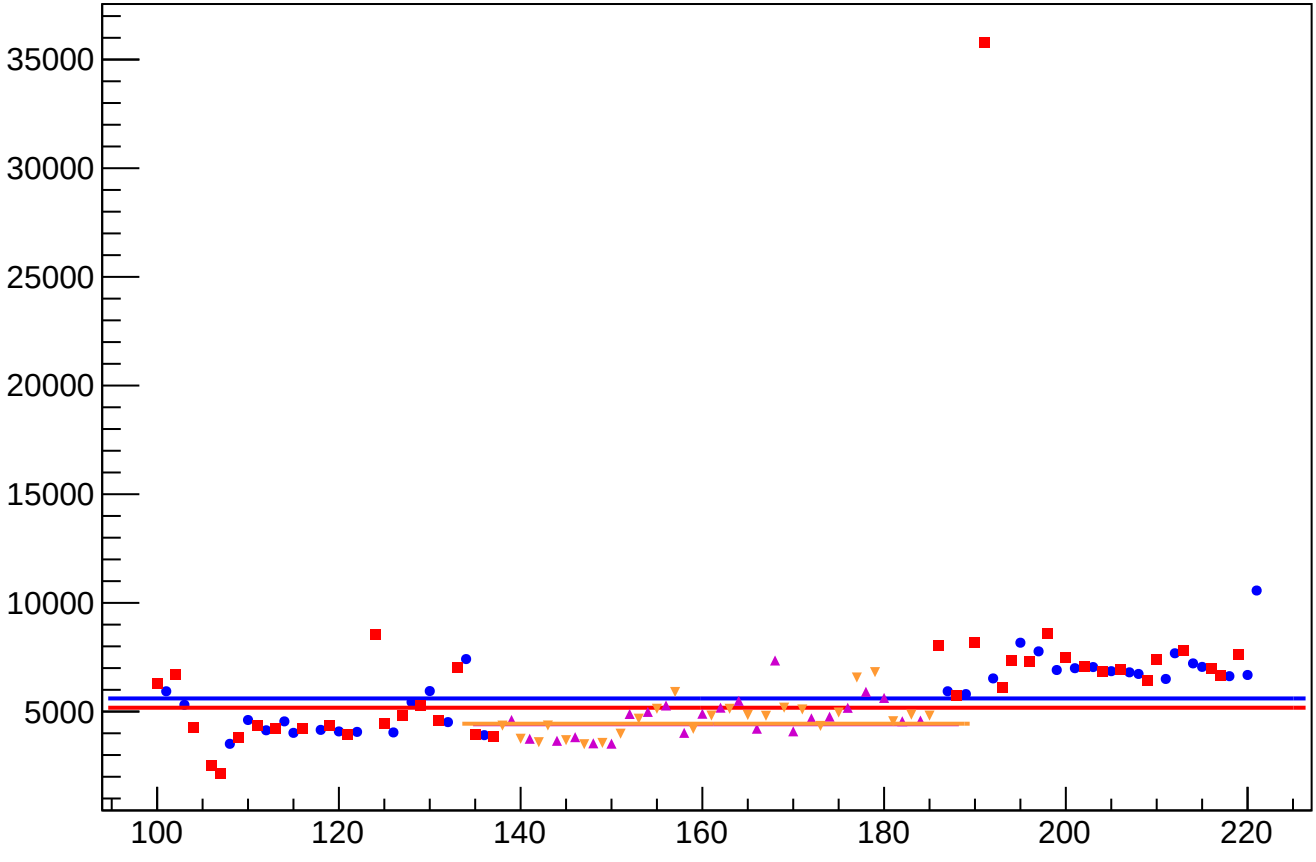
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -0.128+/-792.298 χ^2/NDF: 68.0/58

All: 348.731+/-559.358 χ^2/NDF: 123.4/118

- sign 695.406+/-789.812 χ^2/NDF: 55.0/59

asym_atl1r2_dd_rms vs Slug



Right In: 5603.597+/-0.879 χ^2/NDF: 2863640.5/33

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5176.324+/-0.843 χ^2/NDF: 4579174.2/36

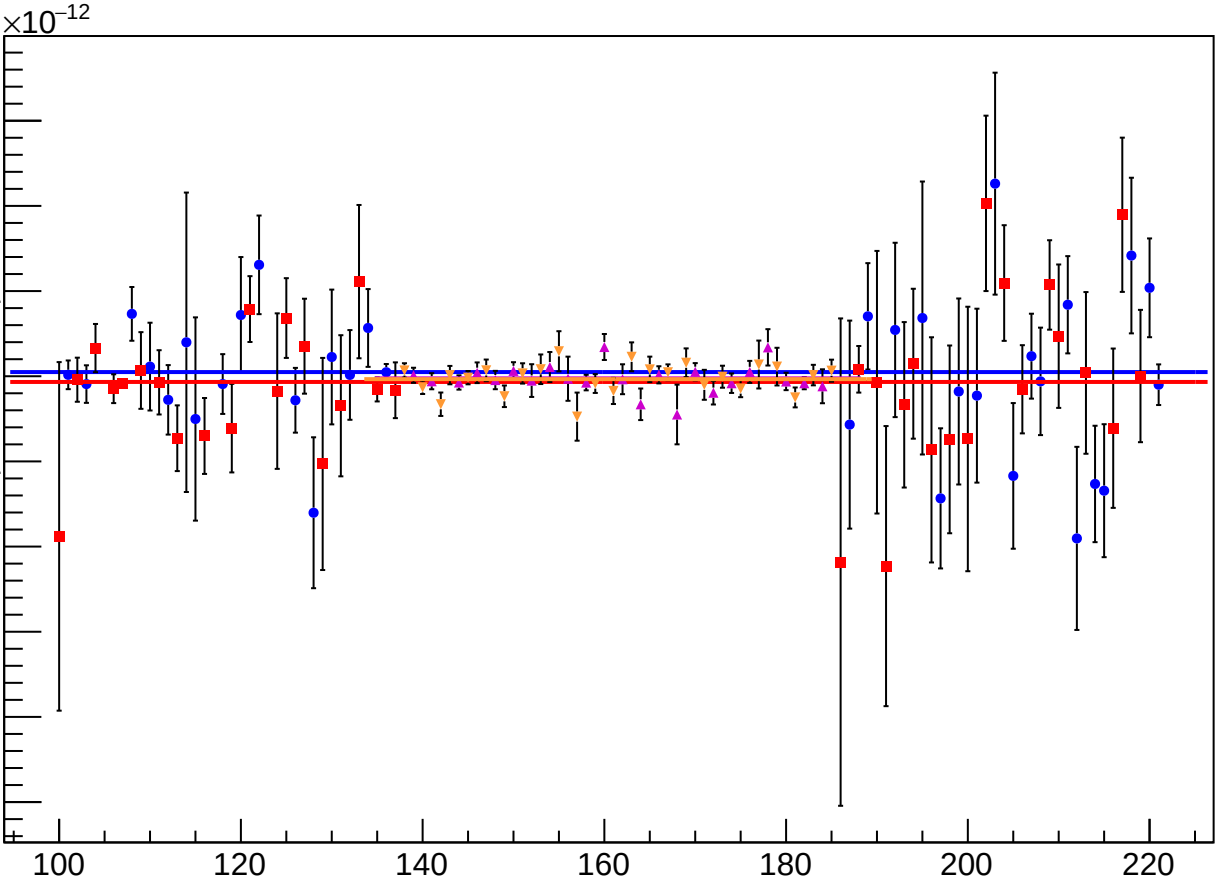
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4913.474+/-0.560 χ^2/NDF: 4976038.0/58

All: 4830.138+/-0.395 χ^2/NDF: 11169740.8/1

- sign 4747.757+/-0.557 χ^2/NDF: 6149703.1/59

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/36

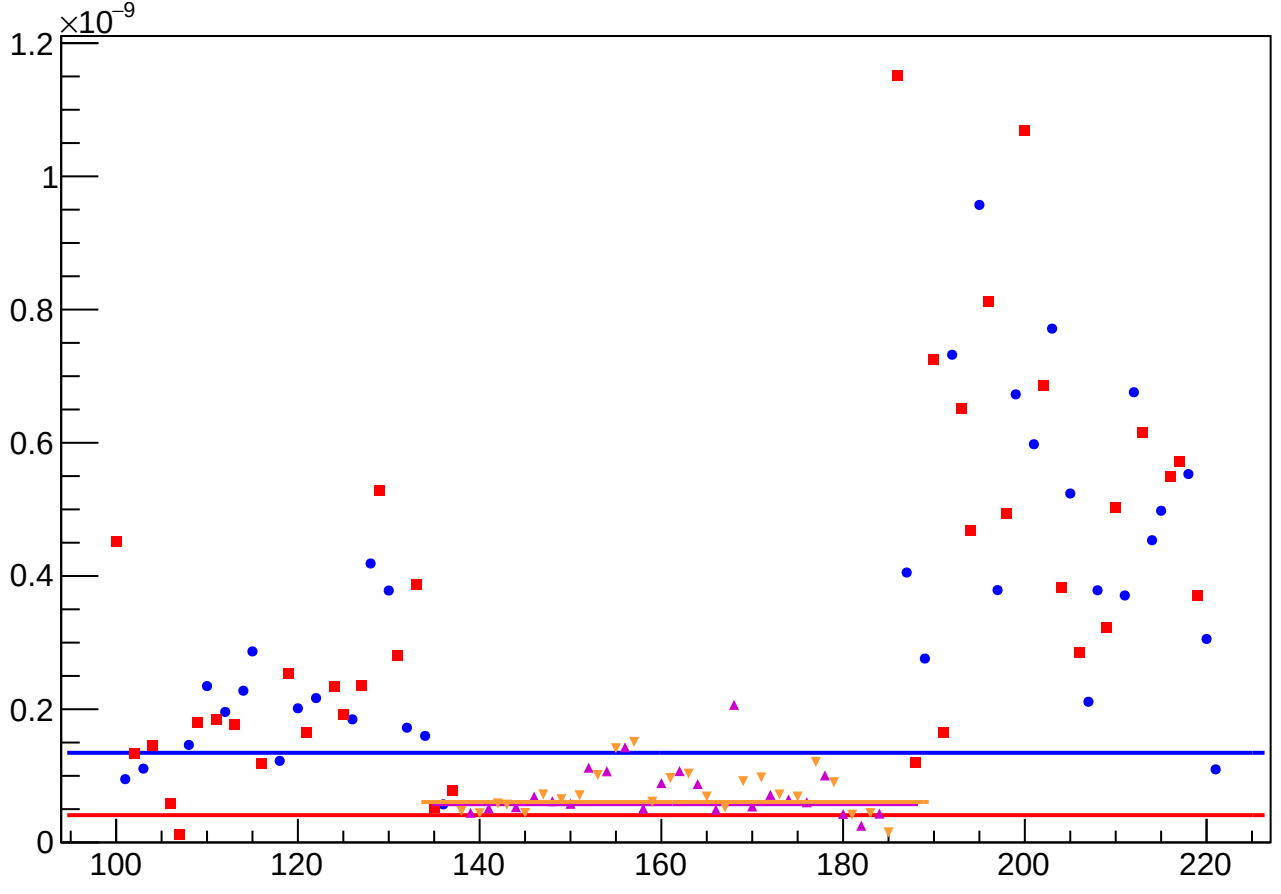
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.3/58

All: -0.000+/-0.000 χ^2/NDF: 137.1/118

- sign -0.000+/-0.000 χ^2/NDF: 61.5/59

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8148431.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13918385.7/36

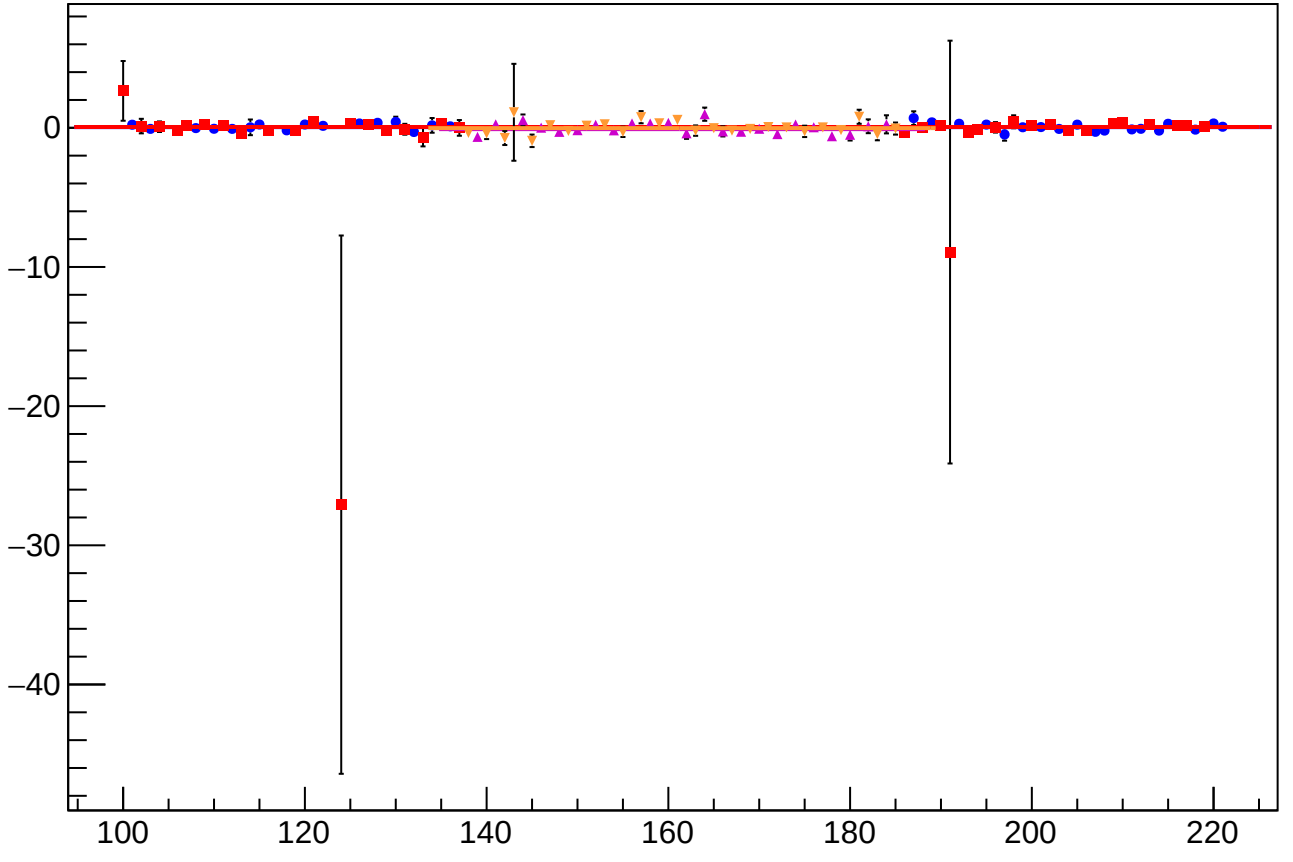
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12331770.6/58

All: 0.000+/-0.000 χ^2/NDF: 29282253.2/118

- sign 0.000+/-0.000 χ^2/NDF: 16122176.4/59

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

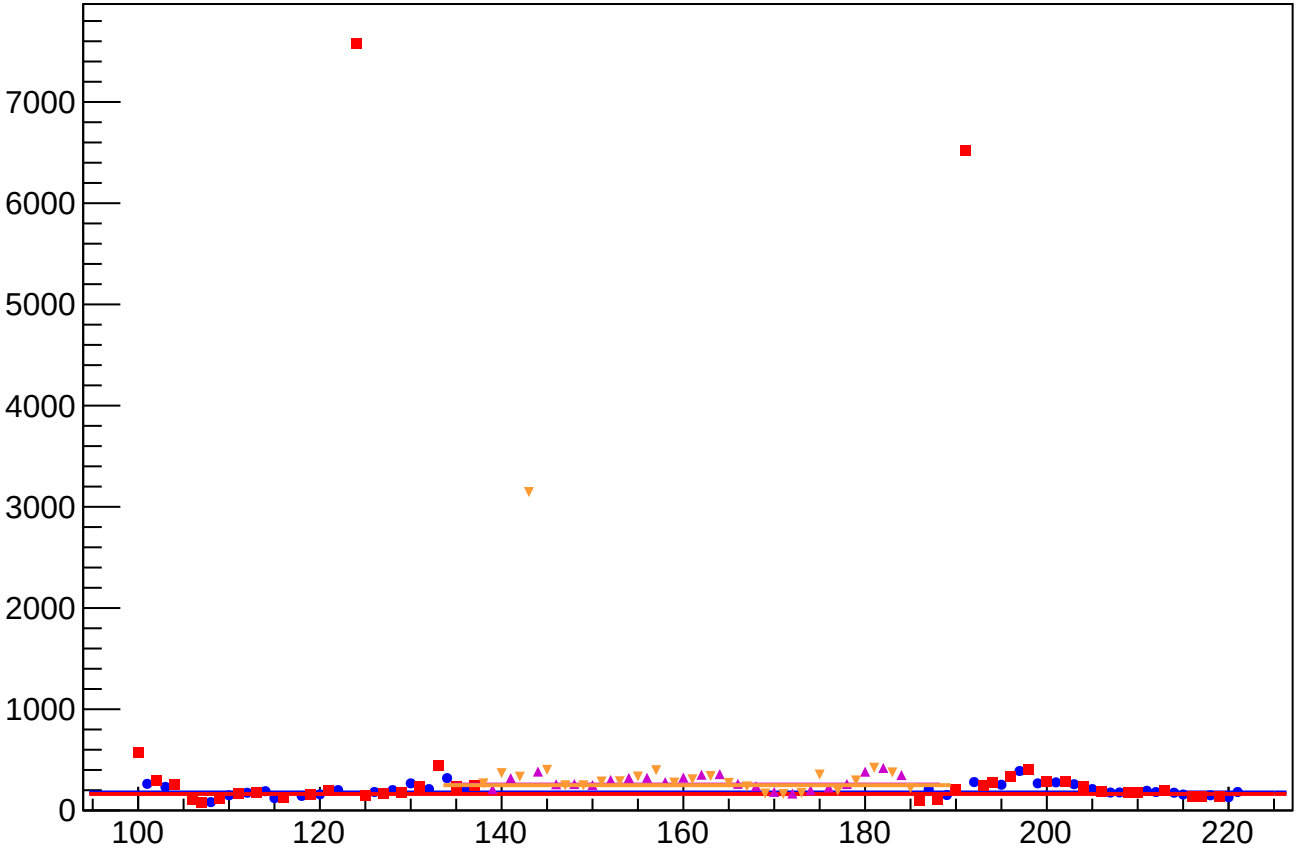
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.021+/-0.024 χ^2/NDF: 127.5/118

- sign 0.015+/-0.033 χ^2/NDF: 73.4/59

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 177.590+/-0.029 χ^2/NDF: 3356667.8/33

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

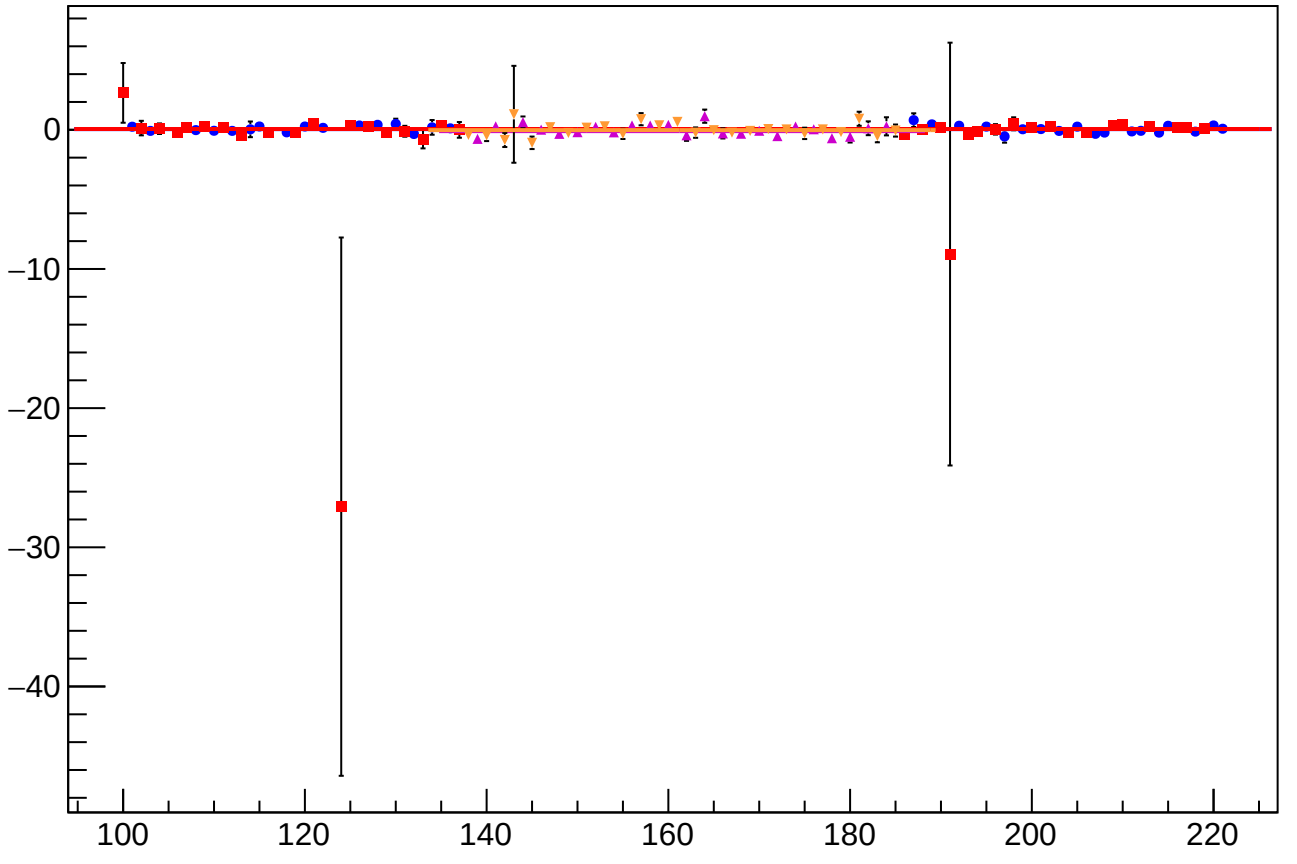
Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 199.404+/-0.024 χ^2/NDF: 9511186.2/58

All: 194.042+/-0.017 χ^2/NDF: 20307348.7/11

- sign 188.870+/-0.024 χ^2/NDF: 10697621.4/59



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

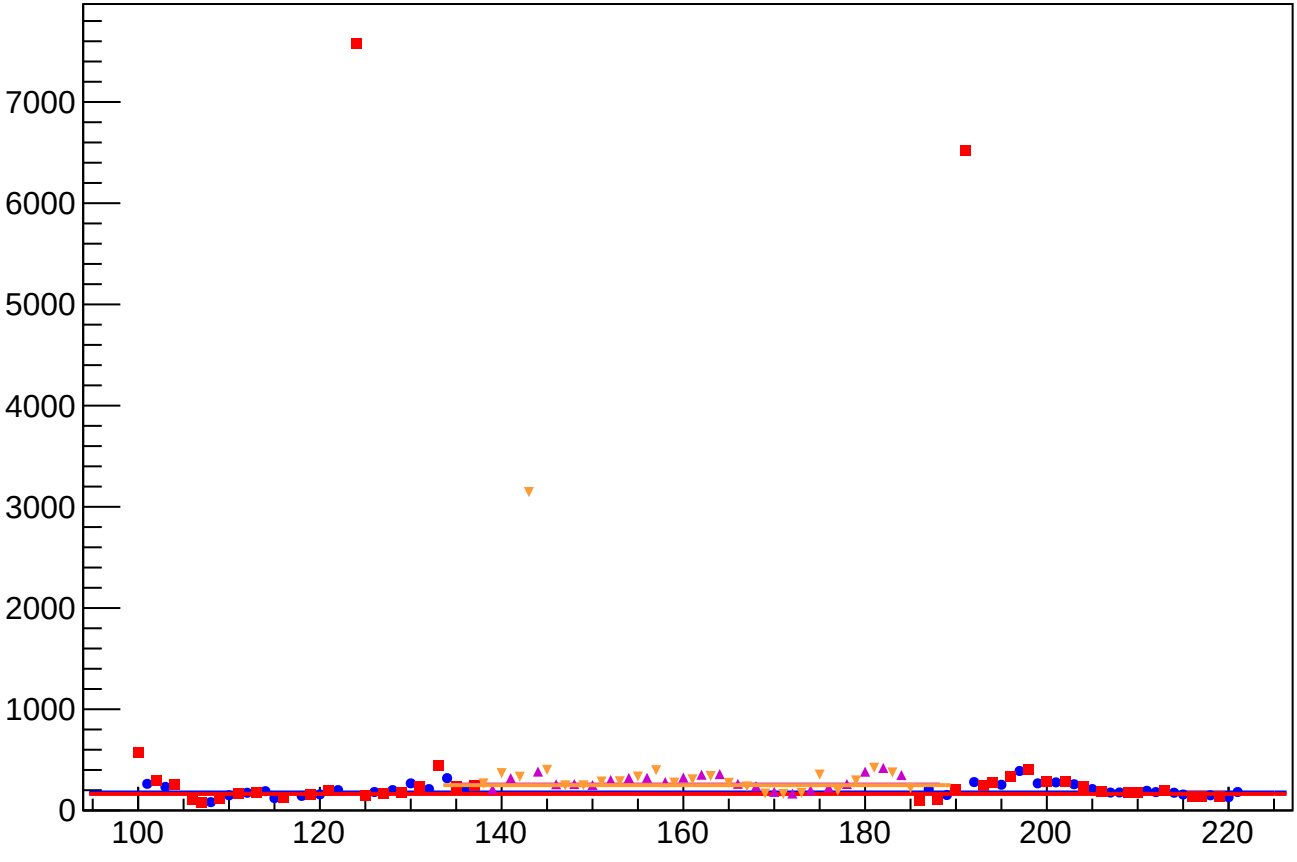
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.021+/-0.024 χ^2/NDF: 127.5/118

- sign 0.015+/-0.033 χ^2/NDF: 73.4/59

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 177.590+/-0.029 χ^2/NDF: 3356667.8/33

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

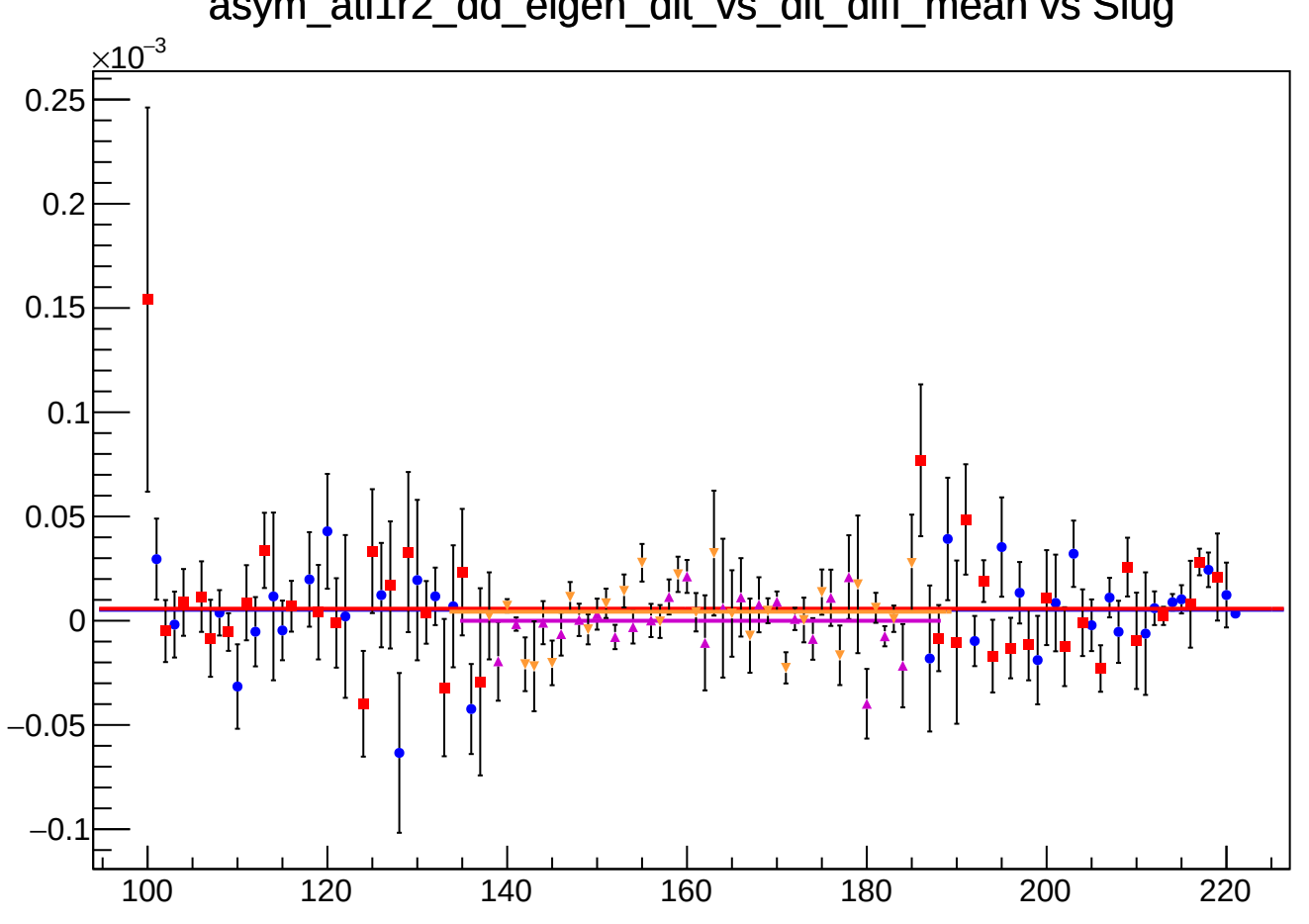
Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 199.404+/-0.024 χ^2/NDF: 9511186.2/58

All: 194.042+/-0.017 χ^2/NDF: 20307348.7/11

- sign 188.870+/-0.024 χ^2/NDF: 10697621.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.3/36

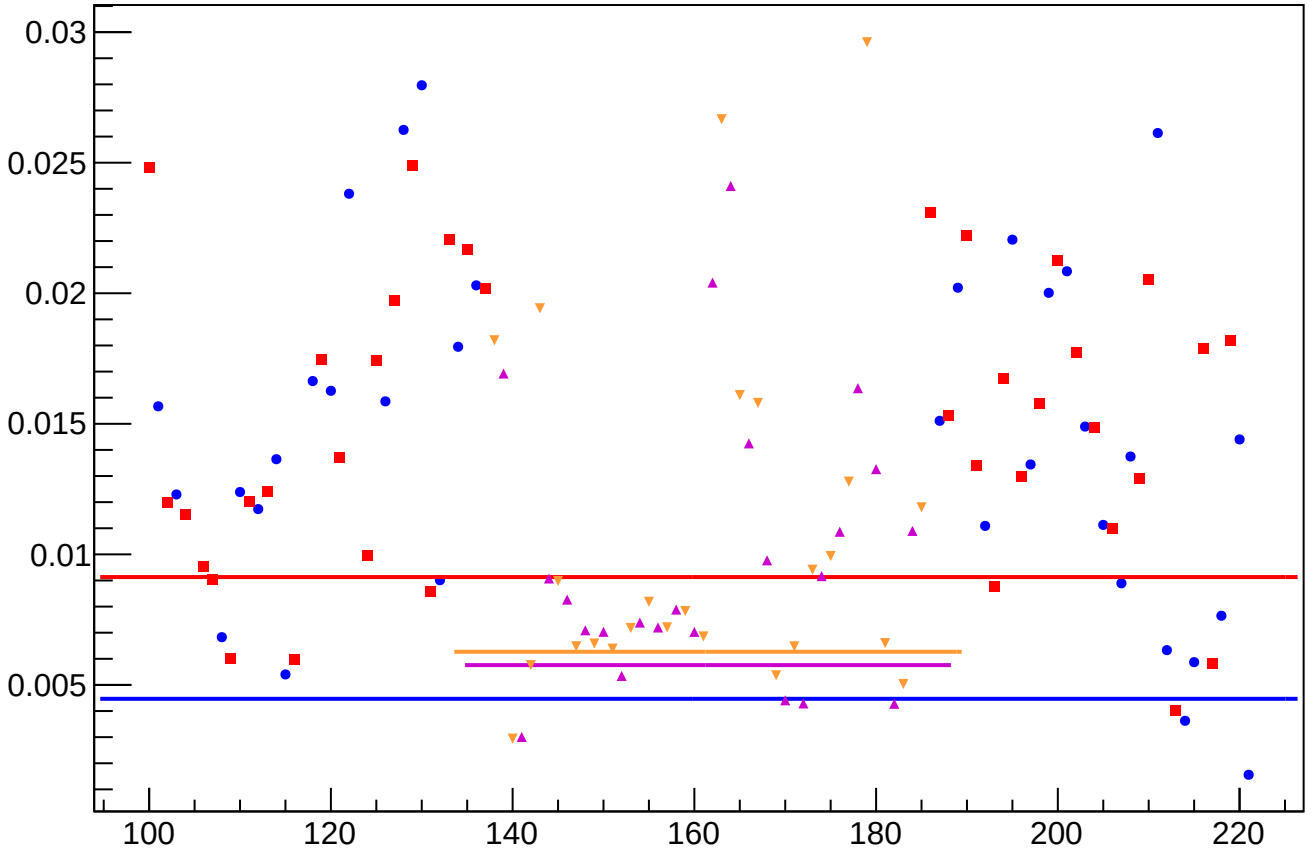
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.7/58

All: 0.000+/-0.000 χ^2/NDF: 170.4/118

- sign 0.000+/-0.000 χ^2/NDF: 85.6/59

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 22143365.0/33

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10187517.1/36

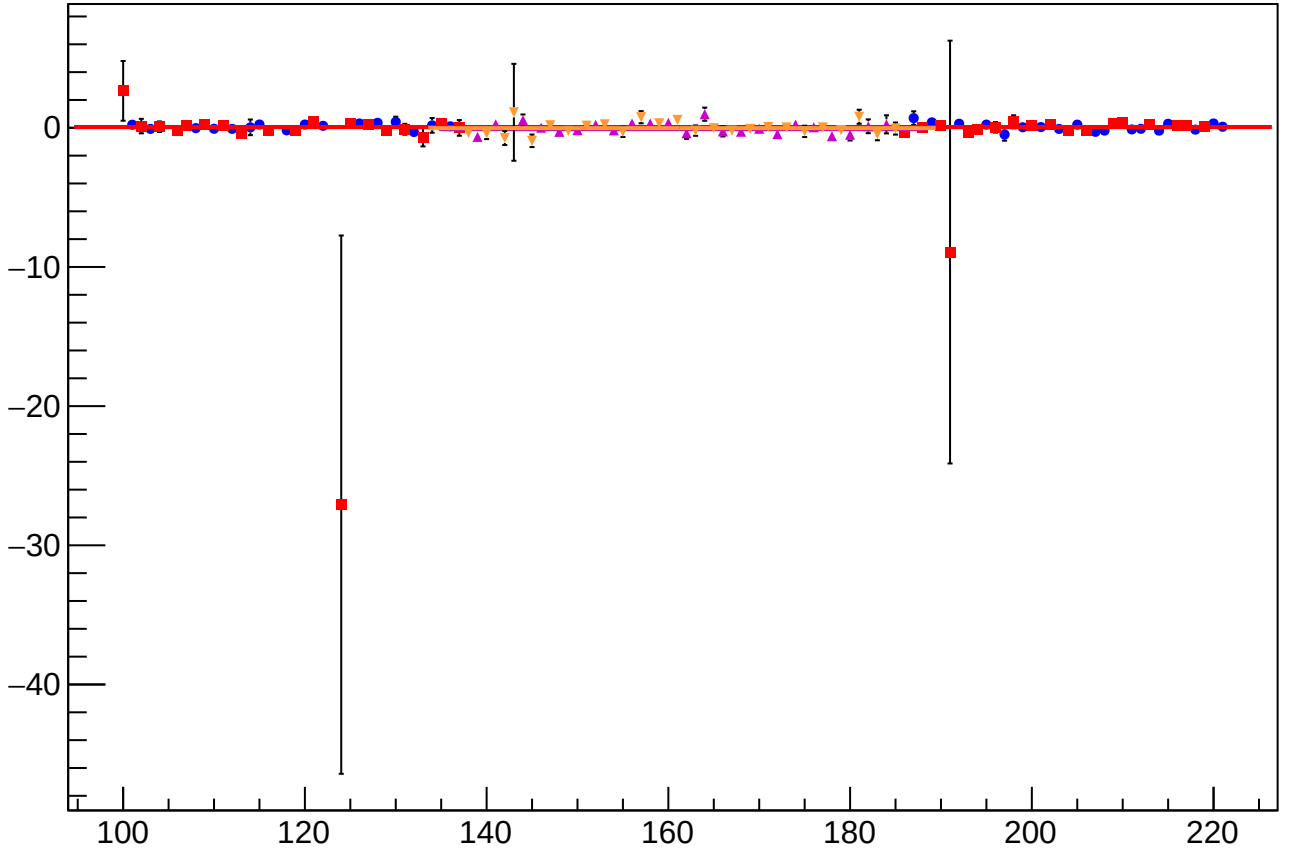
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 31412742.1/58

All: 0.006+/-0.000 χ^2/NDF: 53386717.5/118

- sign 0.007+/-0.000 χ^2/NDF: 20188637.5/59

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

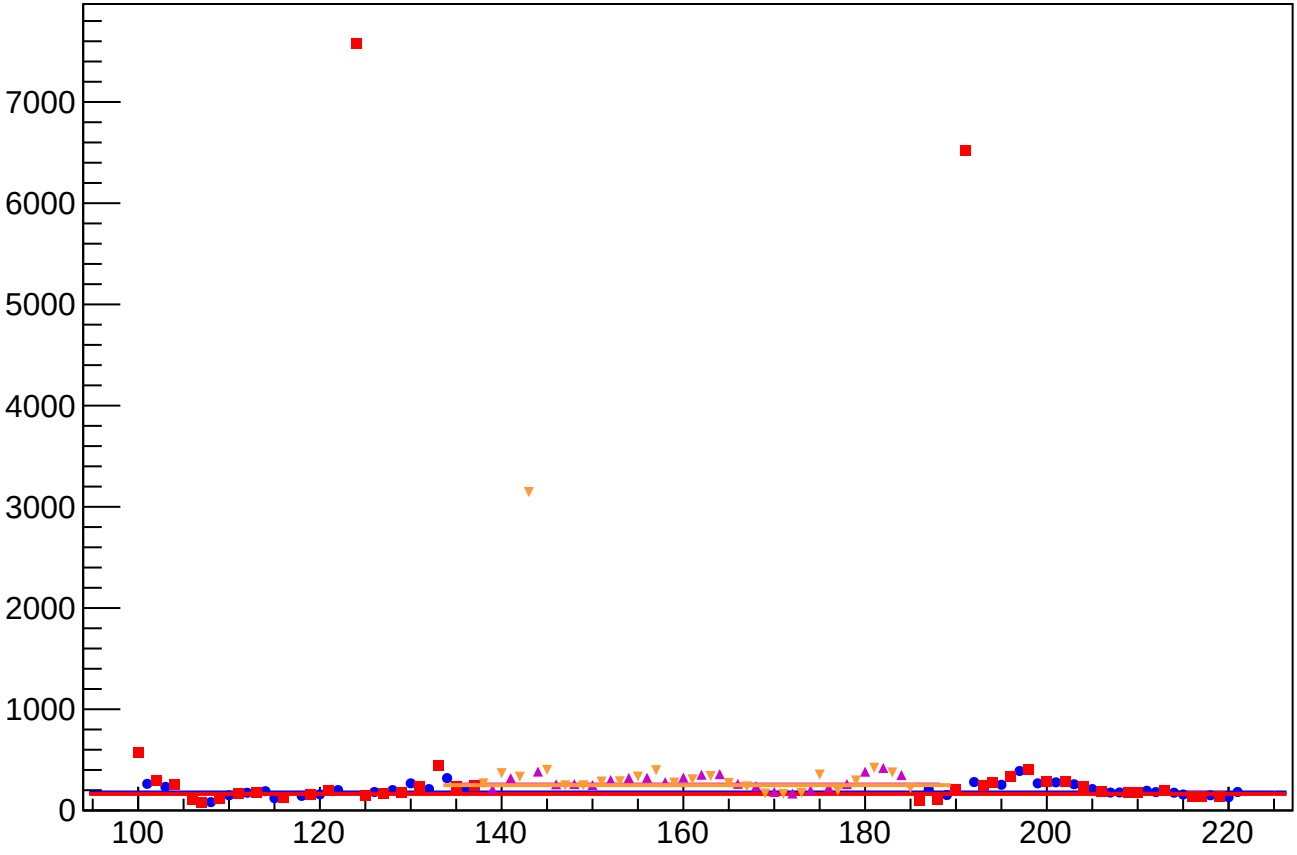
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.021+/-0.024 χ^2/NDF: 127.5/118

- sign 0.015+/-0.033 χ^2/NDF: 73.4/59

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 177.589+/-0.029 χ^2/NDF: 3356762.8/33

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

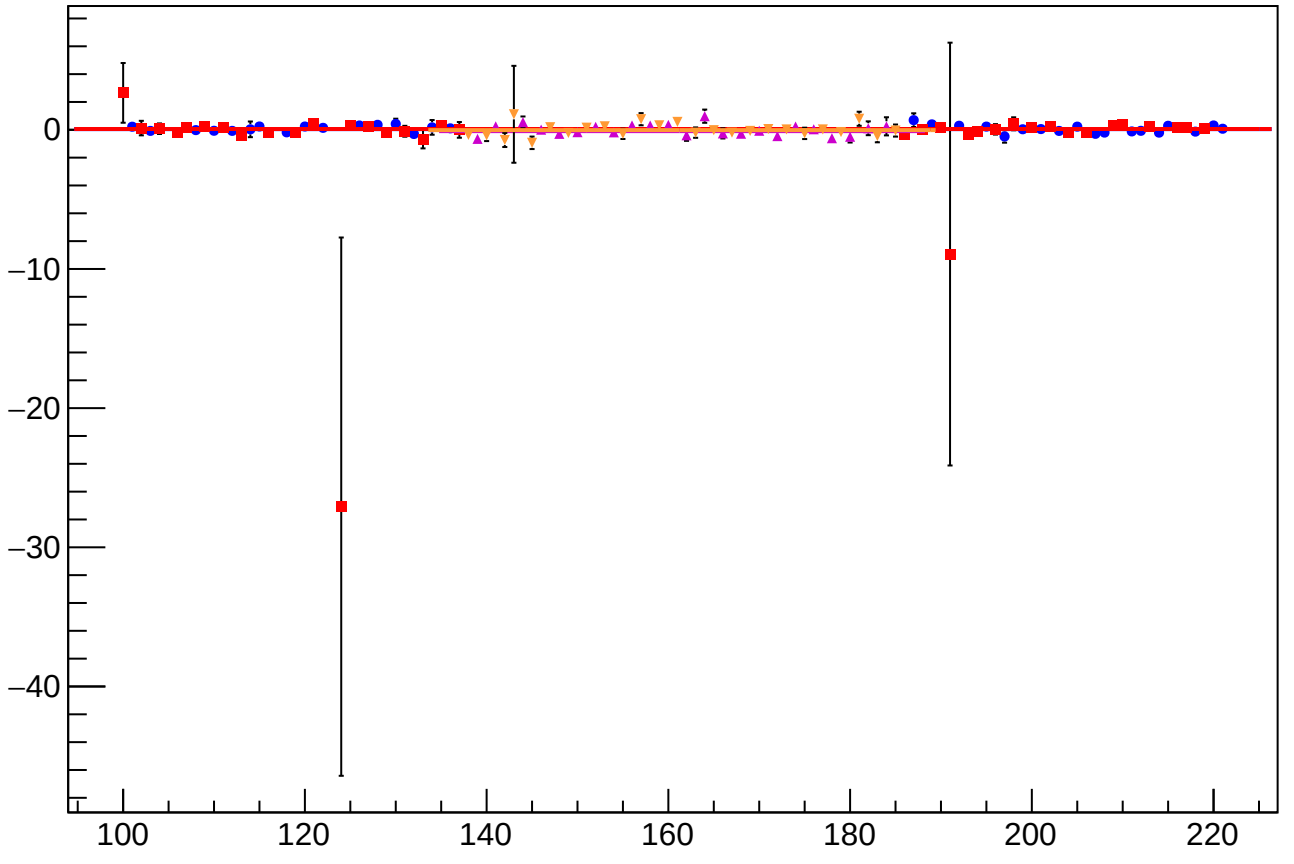
Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 199.403+/-0.024 χ^2/NDF: 9511500.4/58

All: 194.043+/-0.017 χ^2/NDF: 20307446.3/11

- sign 188.872+/-0.024 χ^2/NDF: 10697458.2/59



Right In: 0.049+/-0.041 χ^2/NDF: 29.5/33

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

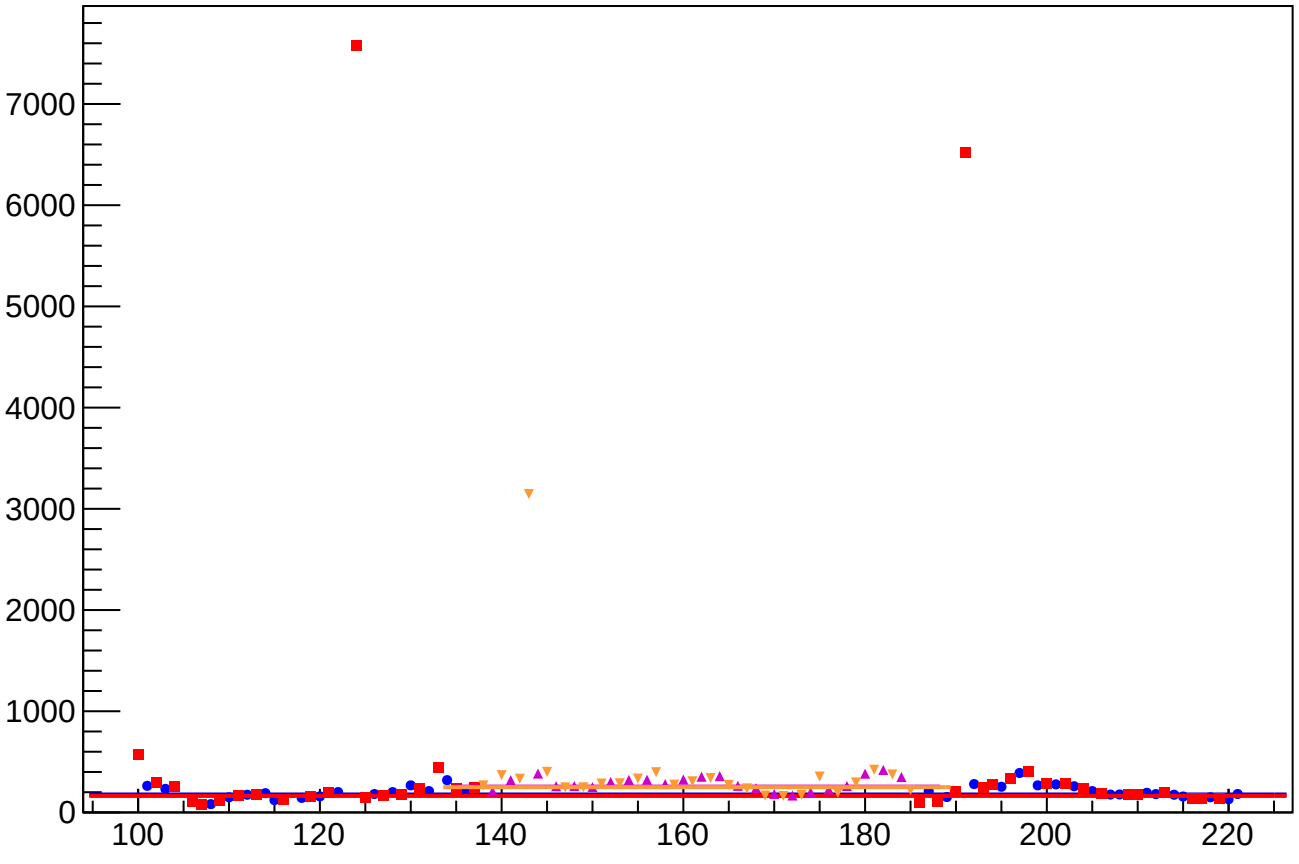
Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.027+/-0.034 χ^2/NDF: 54.0/58

All: 0.021+/-0.024 χ^2/NDF: 127.5/118

- sign 0.015+/-0.033 χ^2/NDF: 73.4/59



Right In: 177.589+/-0.029 χ^2/NDF: 3356762.8/33

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

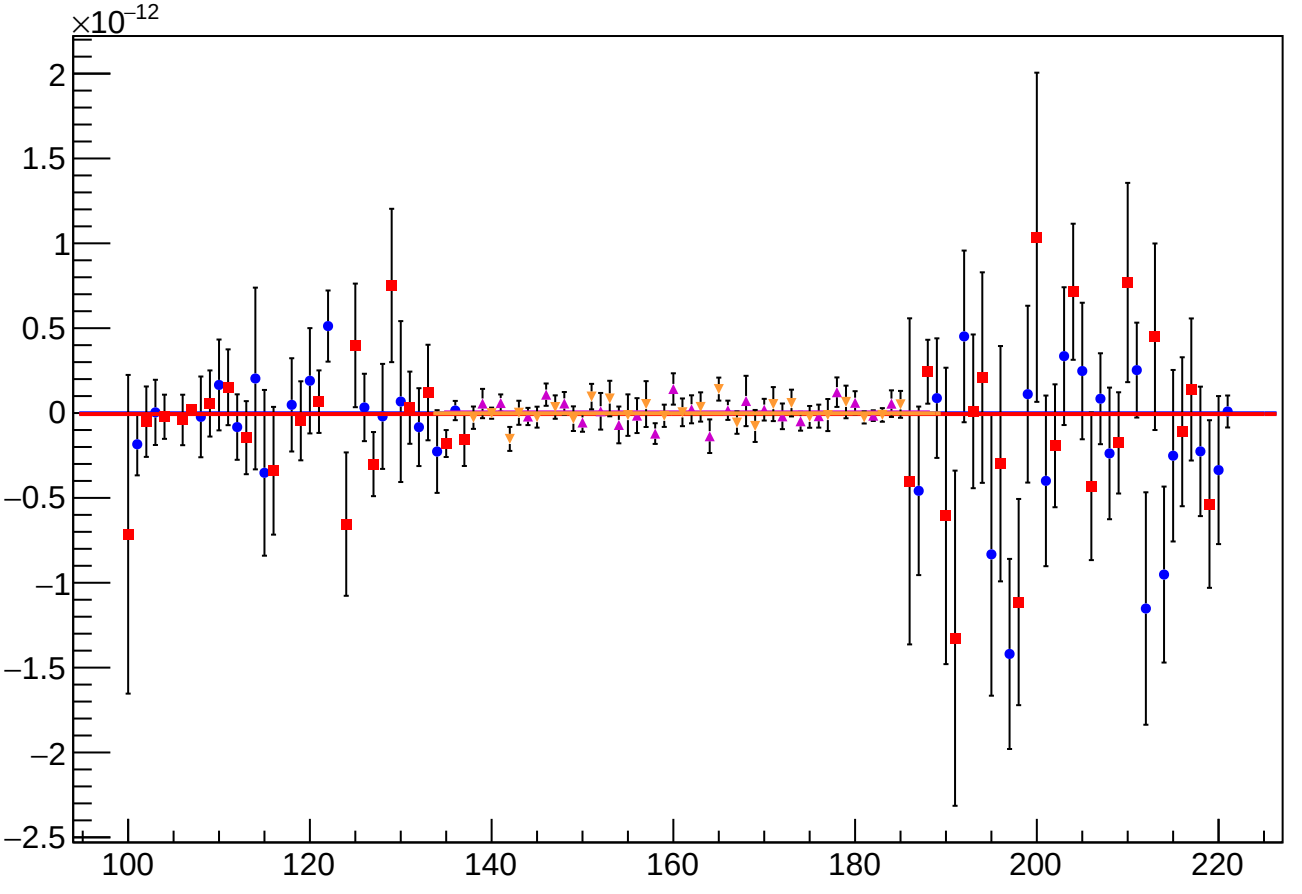
Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 199.403+/-0.024 χ^2/NDF: 9511500.4/58

All: 194.043+/-0.017 χ^2/NDF: 20307446.3/11

- sign 188.872+/-0.024 χ^2/NDF: 10697458.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

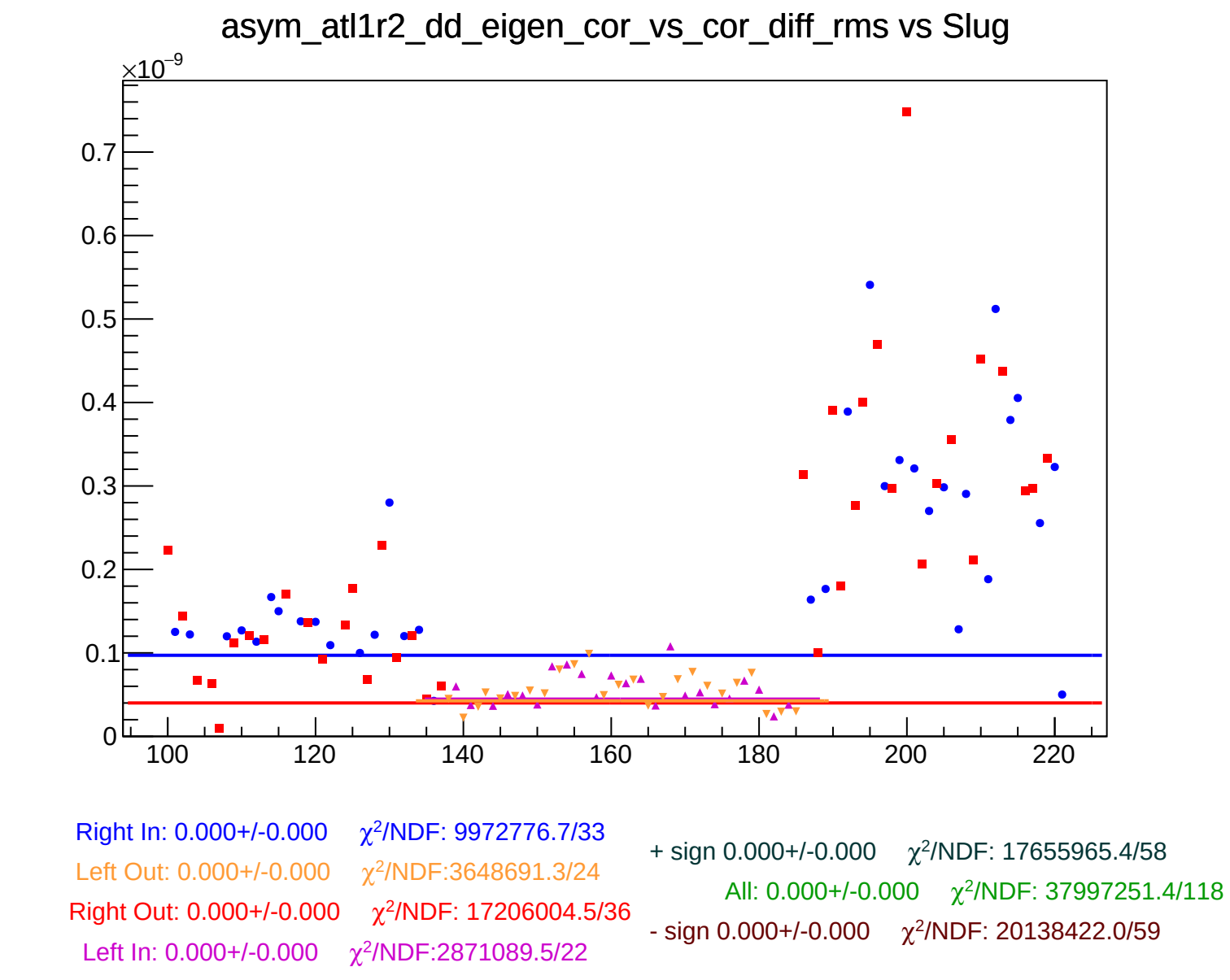
Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

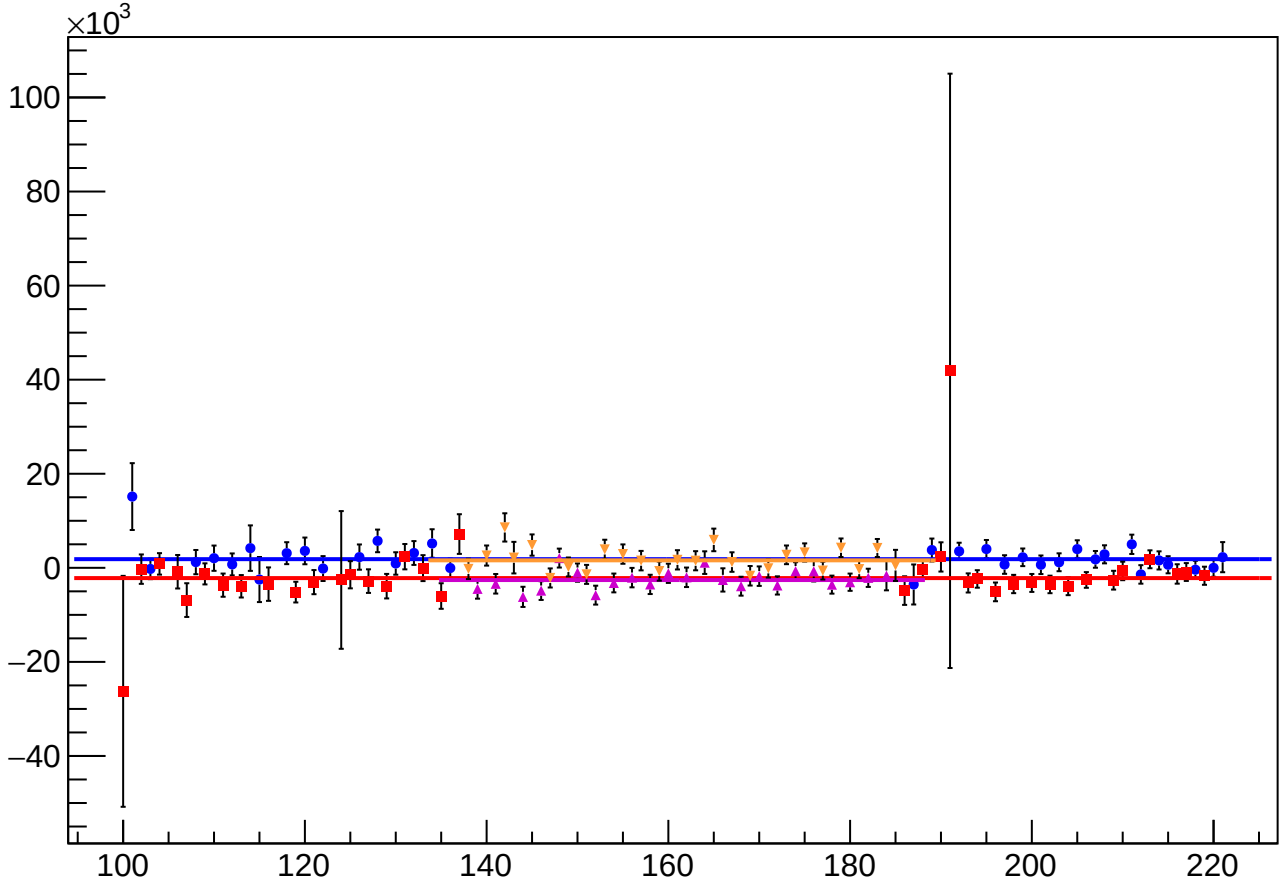
+ sign -0.000+/-0.000 χ^2/NDF: 45.7/58

All: -0.000+/-0.000 χ^2/NDF: 101.6/118

- sign 0.000+/-0.000 χ^2/NDF: 55.9/59


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9972776.7/33
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 17206004.5/36
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 17655965.4/58
All: 0.000+/-0.000 χ²/NDF: 37997251.4/118
- sign 0.000+/-0.000 χ²/NDF: 20138422.0/59

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1843.020+/-386.221 χ^2/NDF: 26.8/33

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2182.961+/-388.998 χ^2/NDF: 33.5/36

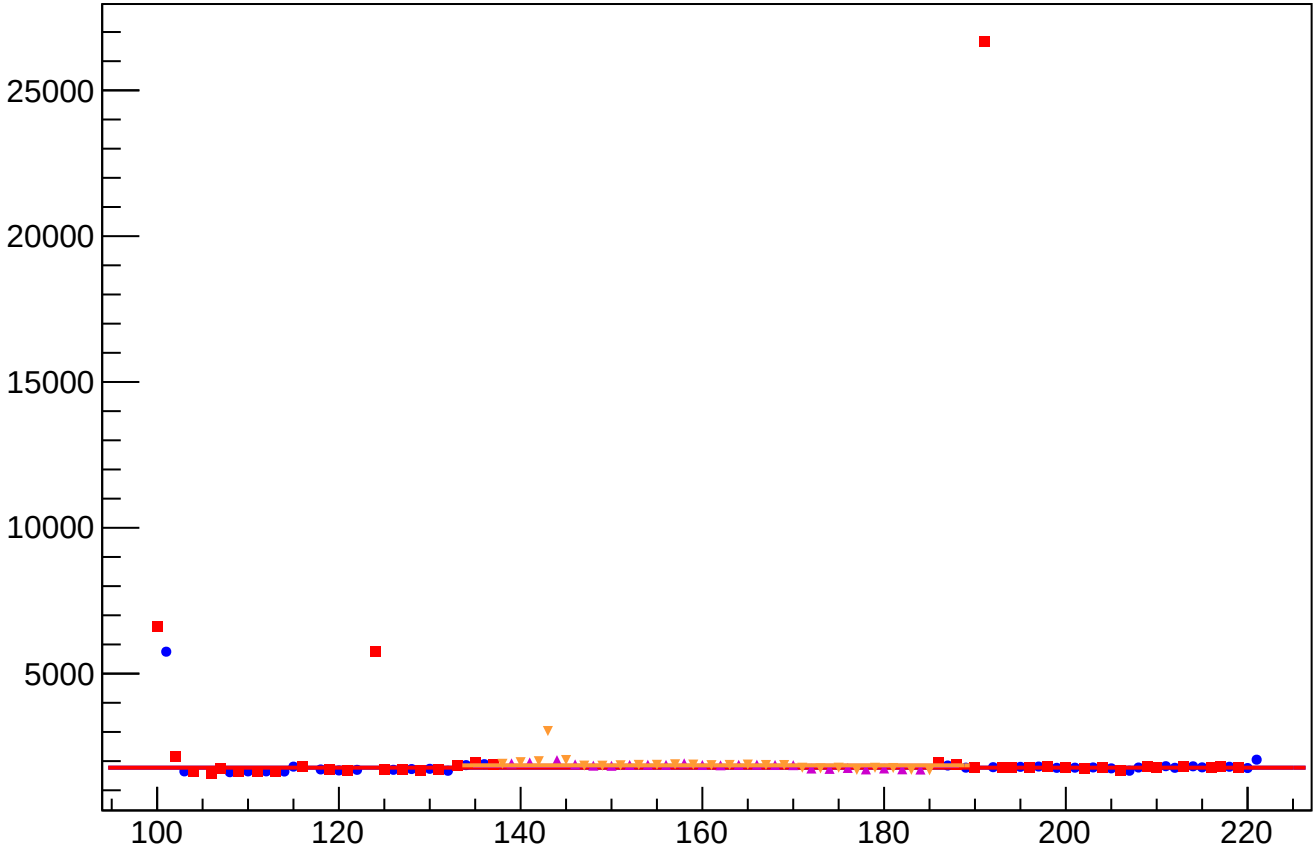
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1729.194+/-285.309 χ^2/NDF: 58.3/58

All: -296.924+/-202.884 χ^2/NDF: 214.4/118

- sign -2369.497+/-288.561 χ^2/NDF: 54.0/59

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1774.370+/-0.273 χ^2/NDF: 700349.8/33

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.675+/-0.274 χ^2/NDF: 649668.5/36

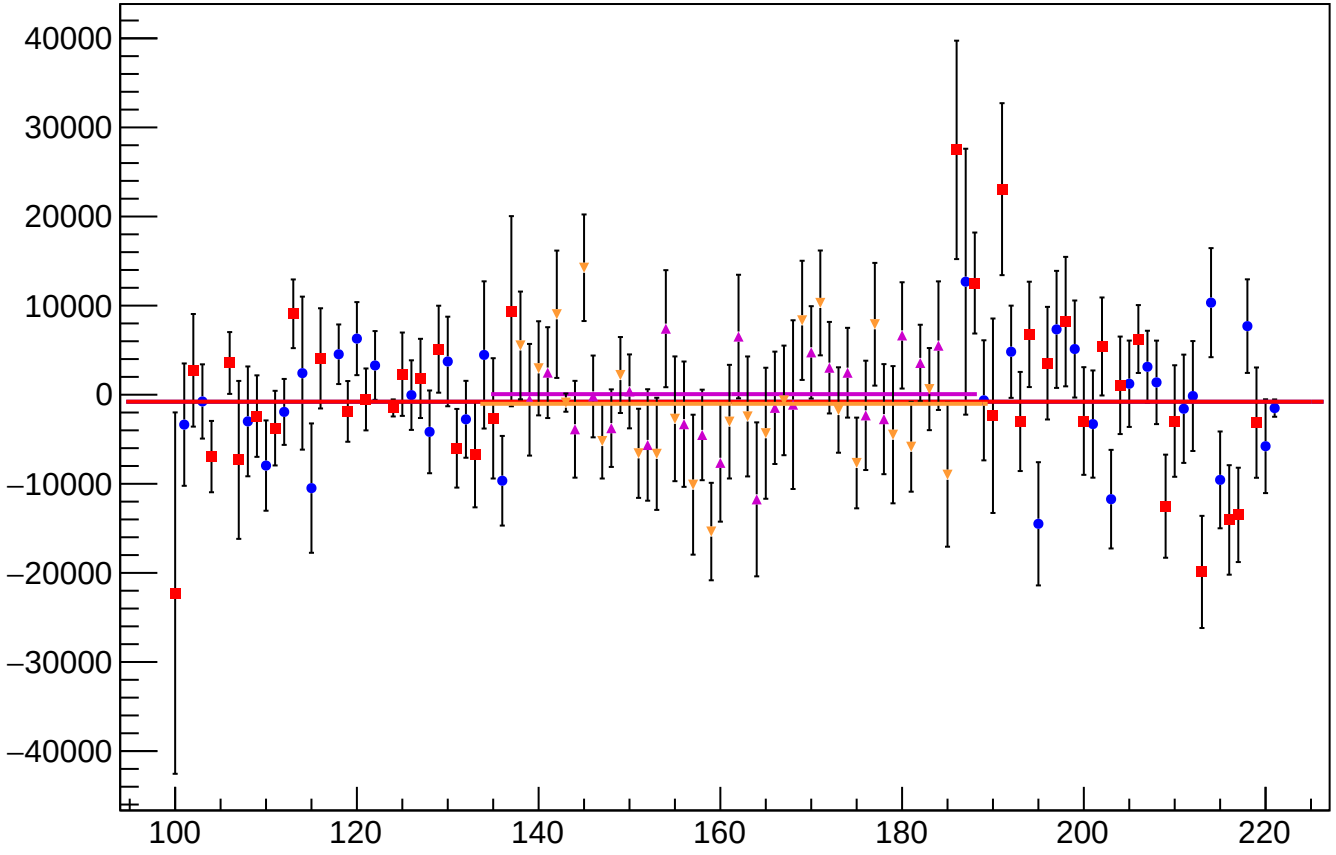
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.254+/-0.202 χ^2/NDF: 1064768.5/58

All: 1808.138+/-0.143 χ^2/NDF: 1811314.4/11

- sign 1804.961+/-0.204 χ^2/NDF: 746064.1/59

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -793.202+/-656.509 χ^2/NDF: 40.0/33

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -783.706+/-646.564 χ^2/NDF: 69.8/36

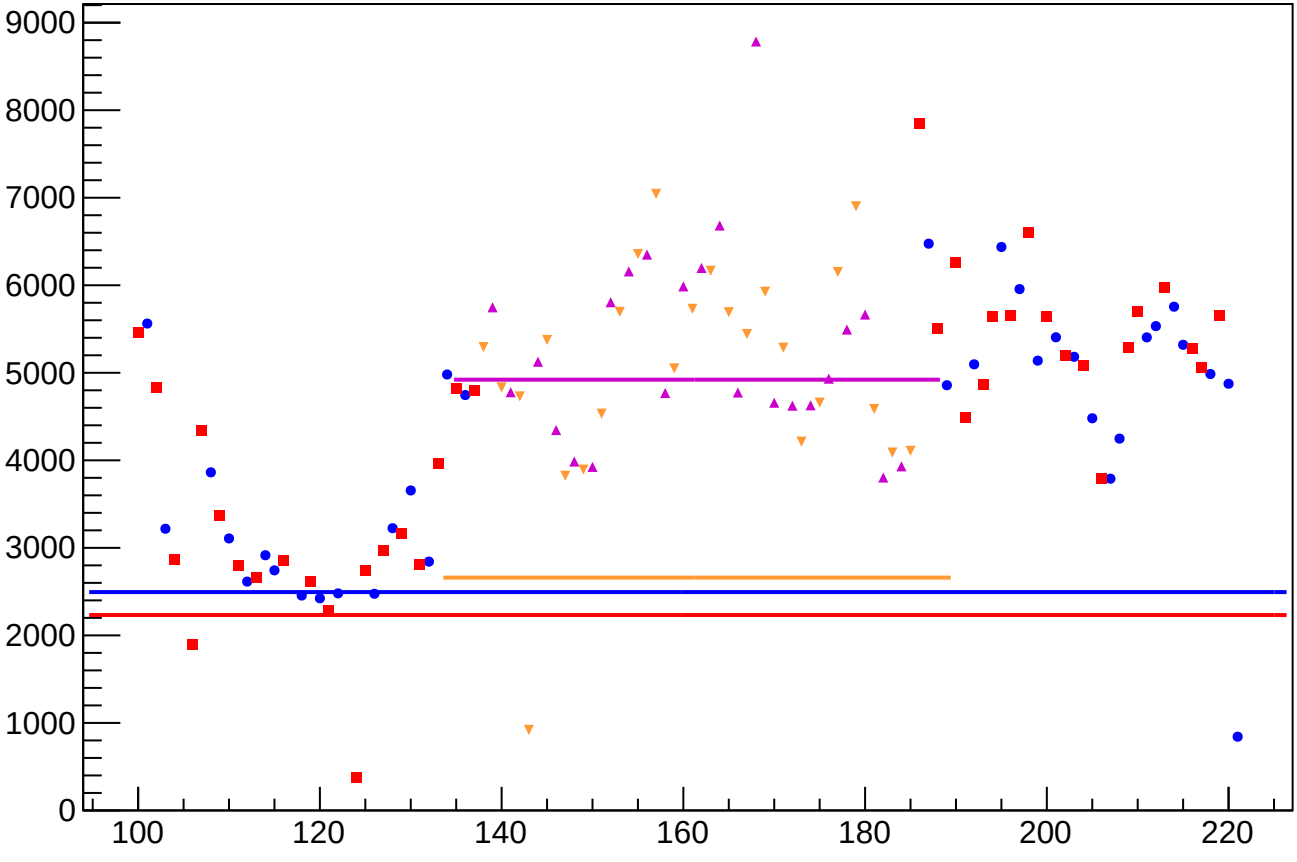
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -887.932+/-500.071 χ^2/NDF: 73.8/58

All: -755.931+/-374.840 χ^2/NDF: 157.2/118

- sign -586.658+/-566.290 χ^2/NDF: 83.2/59

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 2494.810+/-0.464 χ^2/NDF: 14363984.6/33

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2232.648+/-0.457 χ^2/NDF: 18674589.1/36

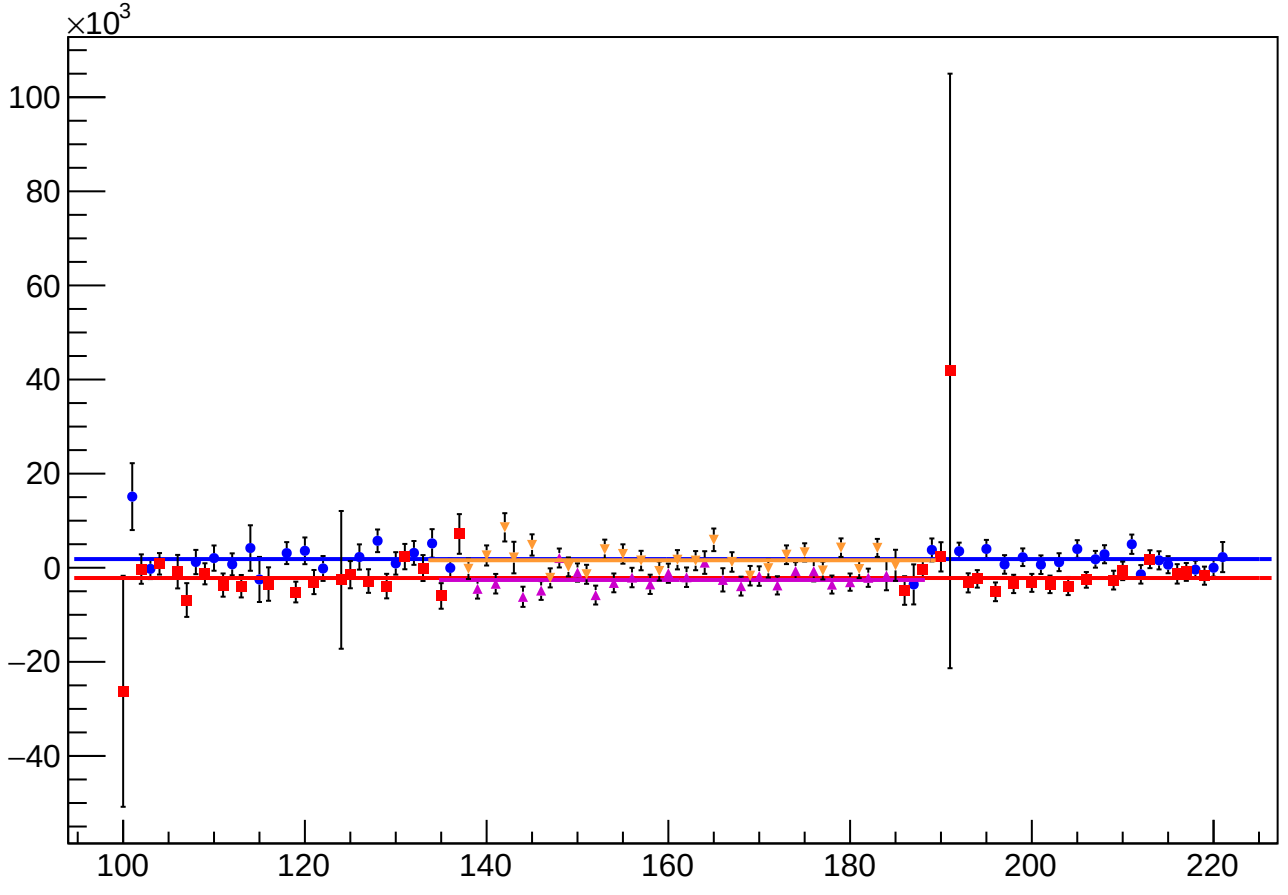
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2564.159+/-0.354 χ^2/NDF: 28953221.4/58

All: 2693.267+/-0.265 χ^2/NDF: 57237820.9/1

- sign 2858.831+/-0.400 χ^2/NDF: 27980331.8/59

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1842.808+/-386.221 χ^2/NDF: 26.8/33

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2182.995+/-388.998 χ^2/NDF: 33.4/36

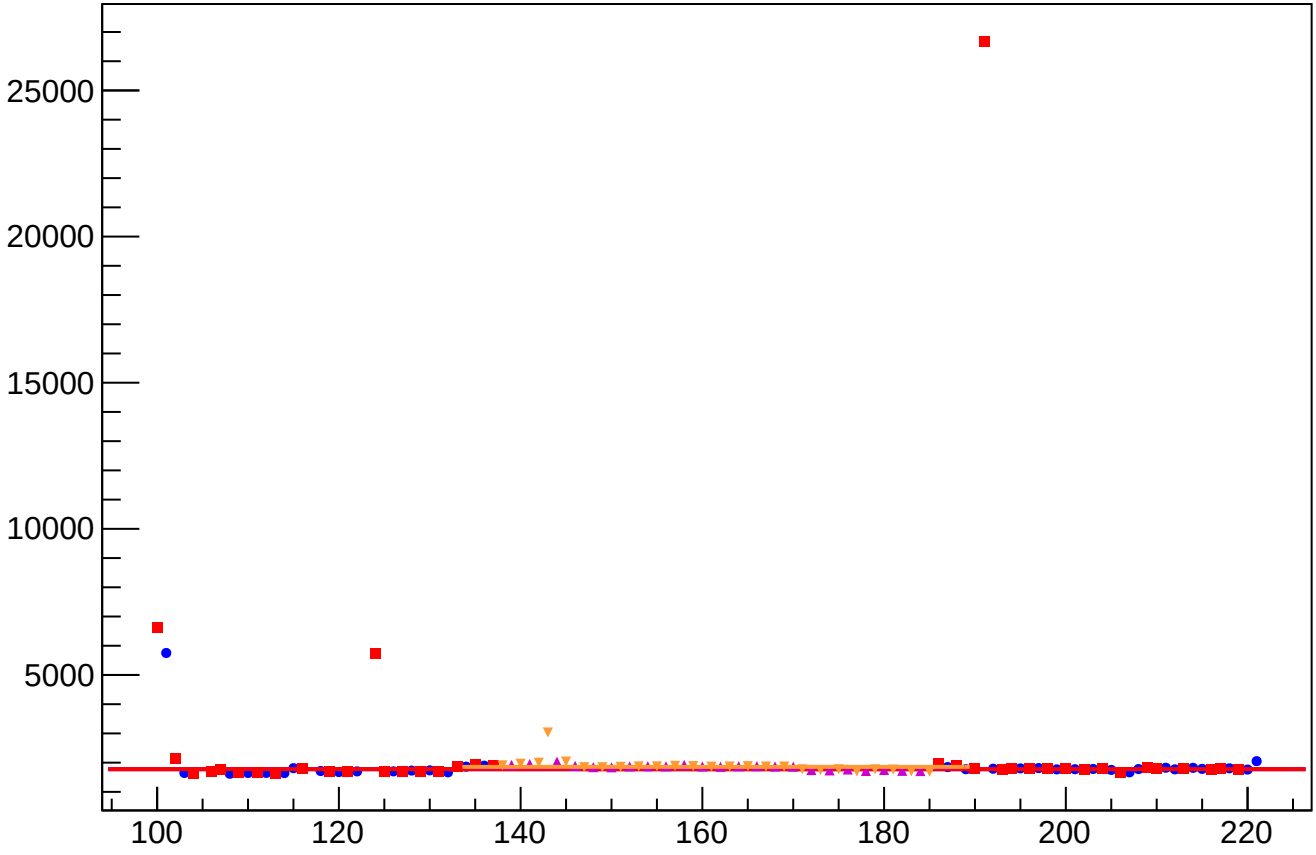
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1729.063+/-285.309 χ^2/NDF: 58.3/58

All: -297.016+/-202.884 χ^2/NDF: 214.3/118

- sign -2369.548+/-288.561 χ^2/NDF: 54.0/59

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1774.370+/-0.273 χ^2/NDF: 700350.1/33

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

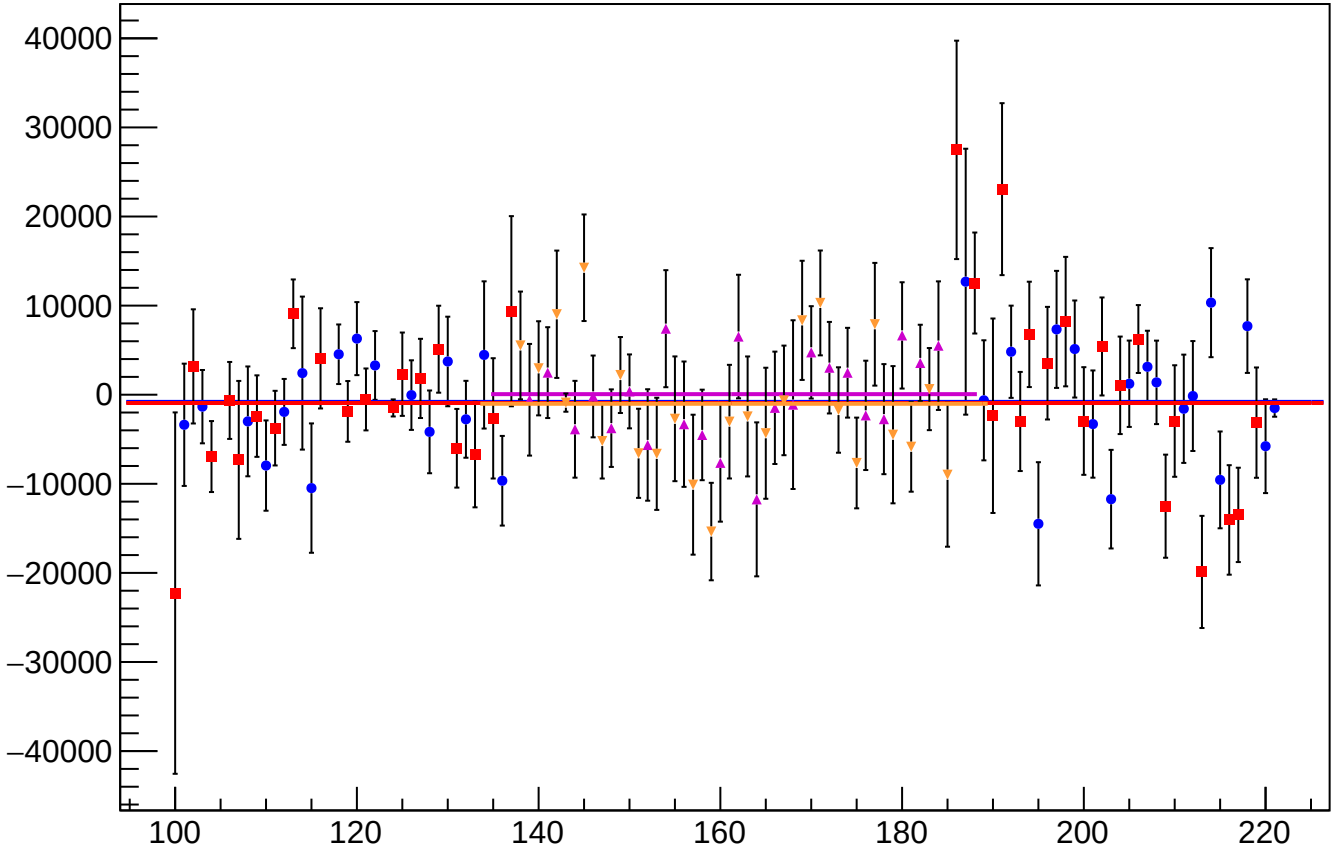
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.254+/-0.202 χ^2/NDF: 1064768.9/58

All: 1808.833+/-0.143 χ^2/NDF: 1800385.4/11

- sign 1806.361+/-0.204 χ^2/NDF: 735325.5/59

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -806.057+/-656.394 χ^2/NDF: 40.0/33

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -931.604+/-650.600 χ^2/NDF: 68.3/36

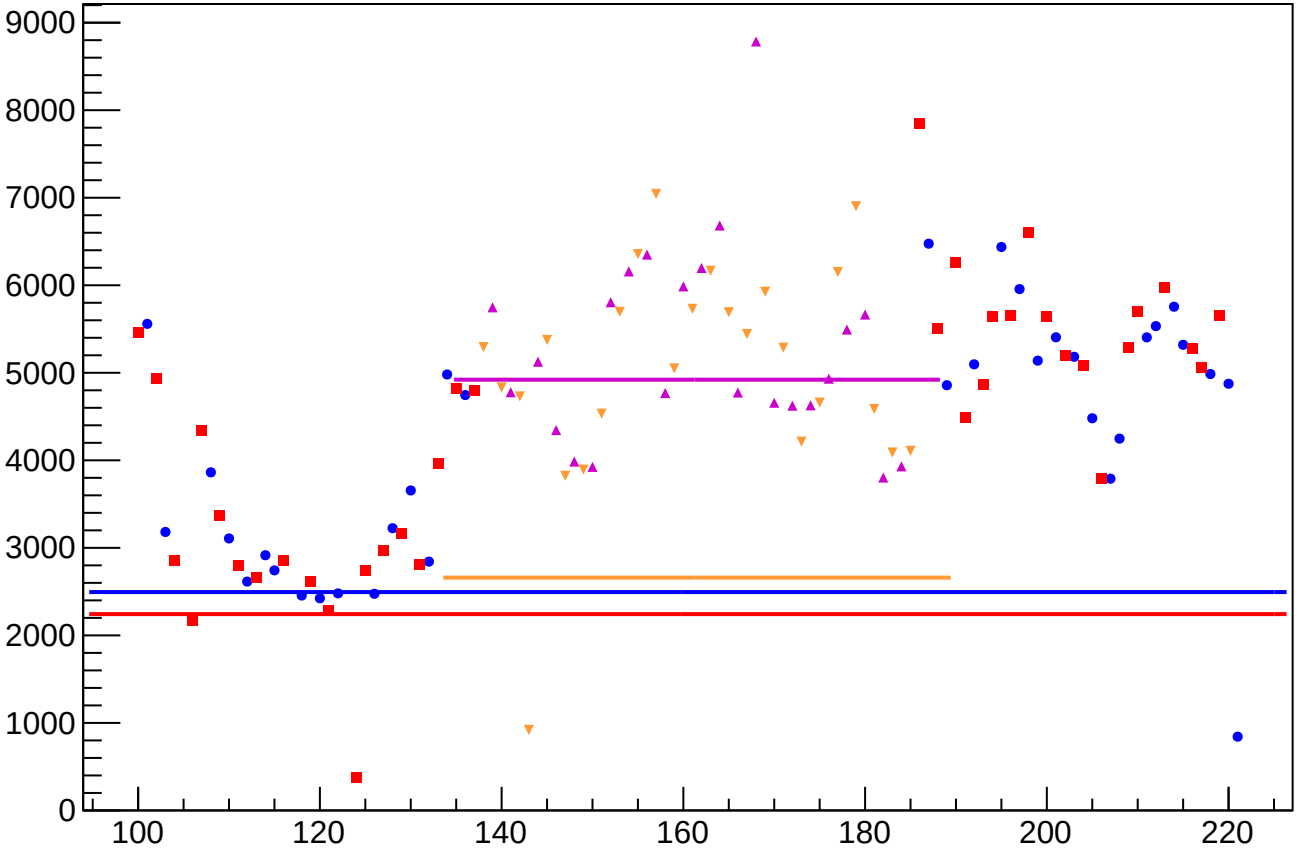
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -895.313+/-500.015 χ^2/NDF: 73.8/58

All: -809.298+/-375.597 χ^2/NDF: 155.7/118

- sign -697.913+/-568.995 χ^2/NDF: 81.8/59

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 2494.957+/-0.464 χ^2/NDF: 14353137.7/33

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

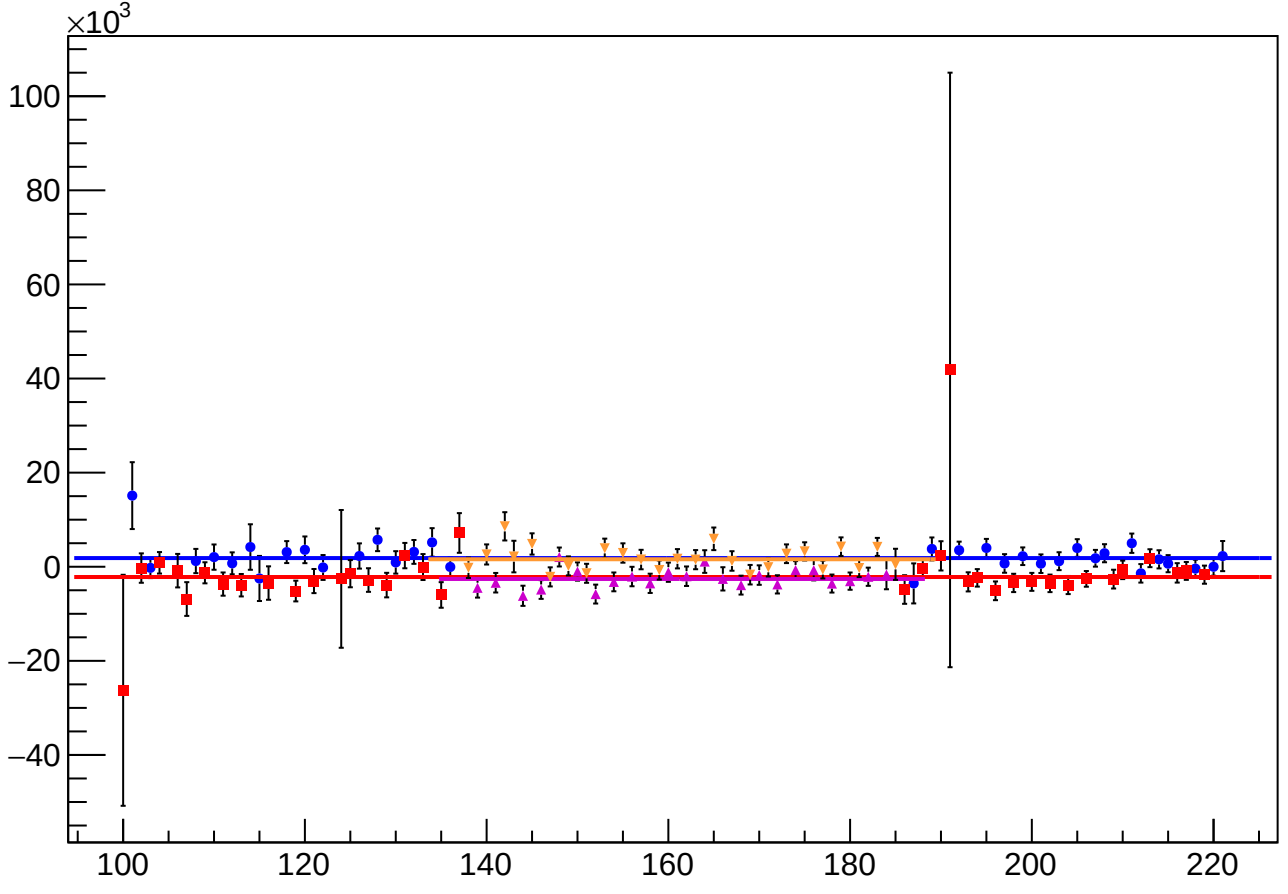
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2564.190+/-0.354 χ^2/NDF: 28942961.9/58

All: 2698.726+/-0.266 χ^2/NDF: 57164973.6/1

- sign 2872.943+/-0.402 χ^2/NDF: 27889723.1/59

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1842.808+/-386.221 χ^2/NDF: 26.8/33

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2182.995+/-388.998 χ^2/NDF: 33.4/36

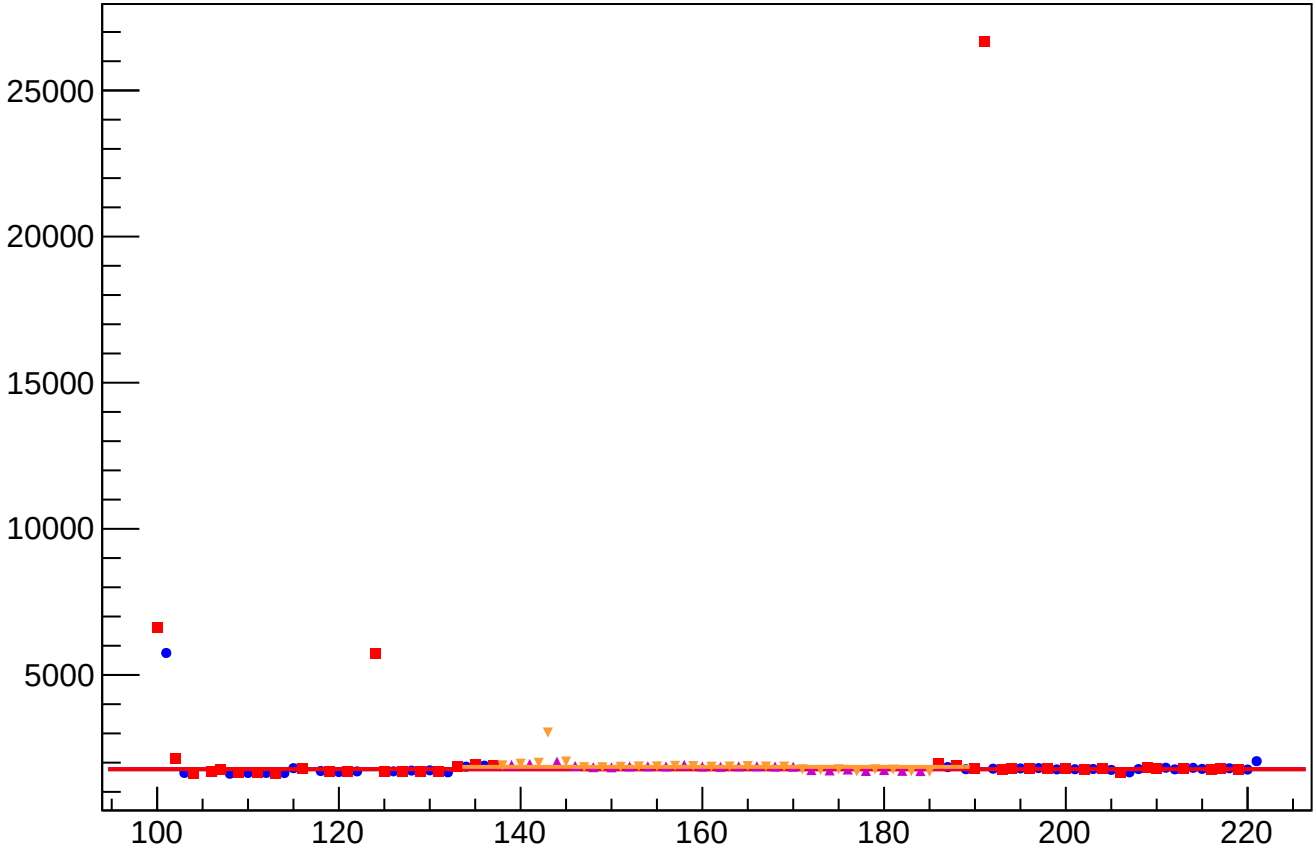
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1729.063+/-285.309 χ^2/NDF: 58.3/58

All: -297.016+/-202.884 χ^2/NDF: 214.3/118

- sign -2369.548+/-288.561 χ^2/NDF: 54.0/59

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1774.370+/-0.273 χ^2/NDF: 700350.1/33

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

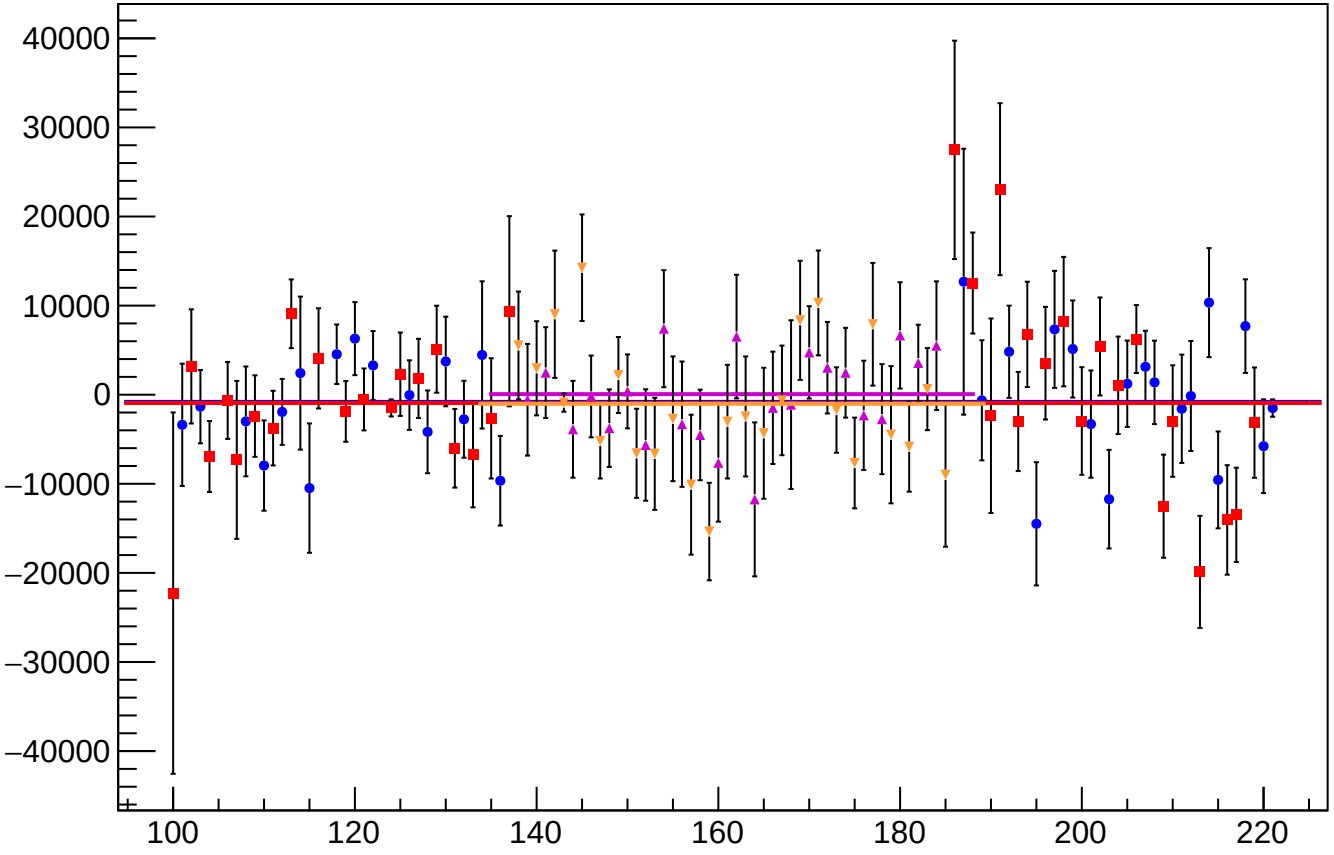
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.254+/-0.202 χ^2/NDF: 1064768.9/58

All: 1808.833+/-0.143 χ^2/NDF: 1800385.4/11

- sign 1806.361+/-0.204 χ^2/NDF: 735325.5/59

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -806.057+/-656.394 χ^2/NDF: 40.0/33

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -931.604+/-650.600 χ^2/NDF: 68.3/36

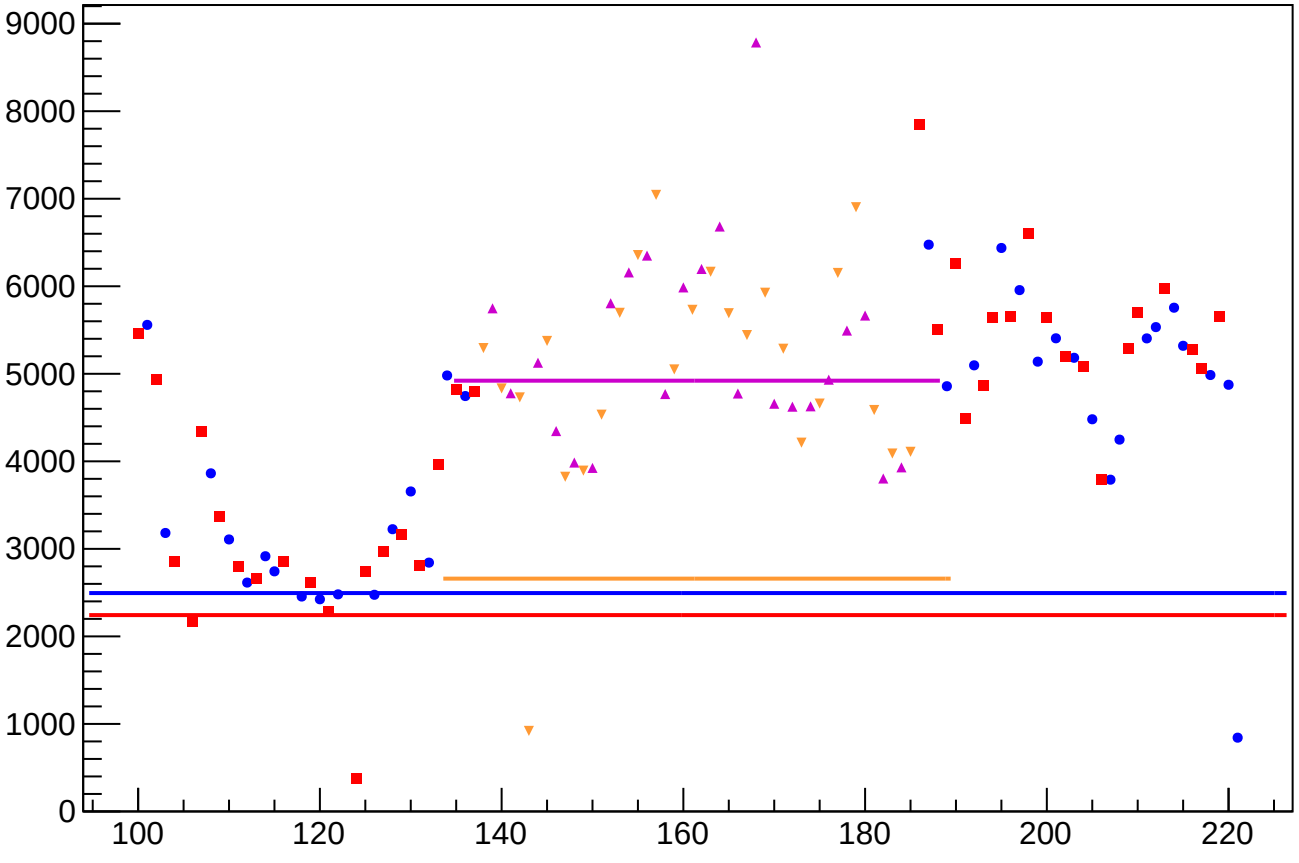
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

\+ sign -895.313+/-500.015 χ^2/NDF: 73.8/58

All: -809.298+/-375.597 χ^2/NDF: 155.7/118

\- sign -697.913+/-568.995 χ^2/NDF: 81.8/59

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 2494.957+/-0.464 χ^2/NDF: 14353137.7/33

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

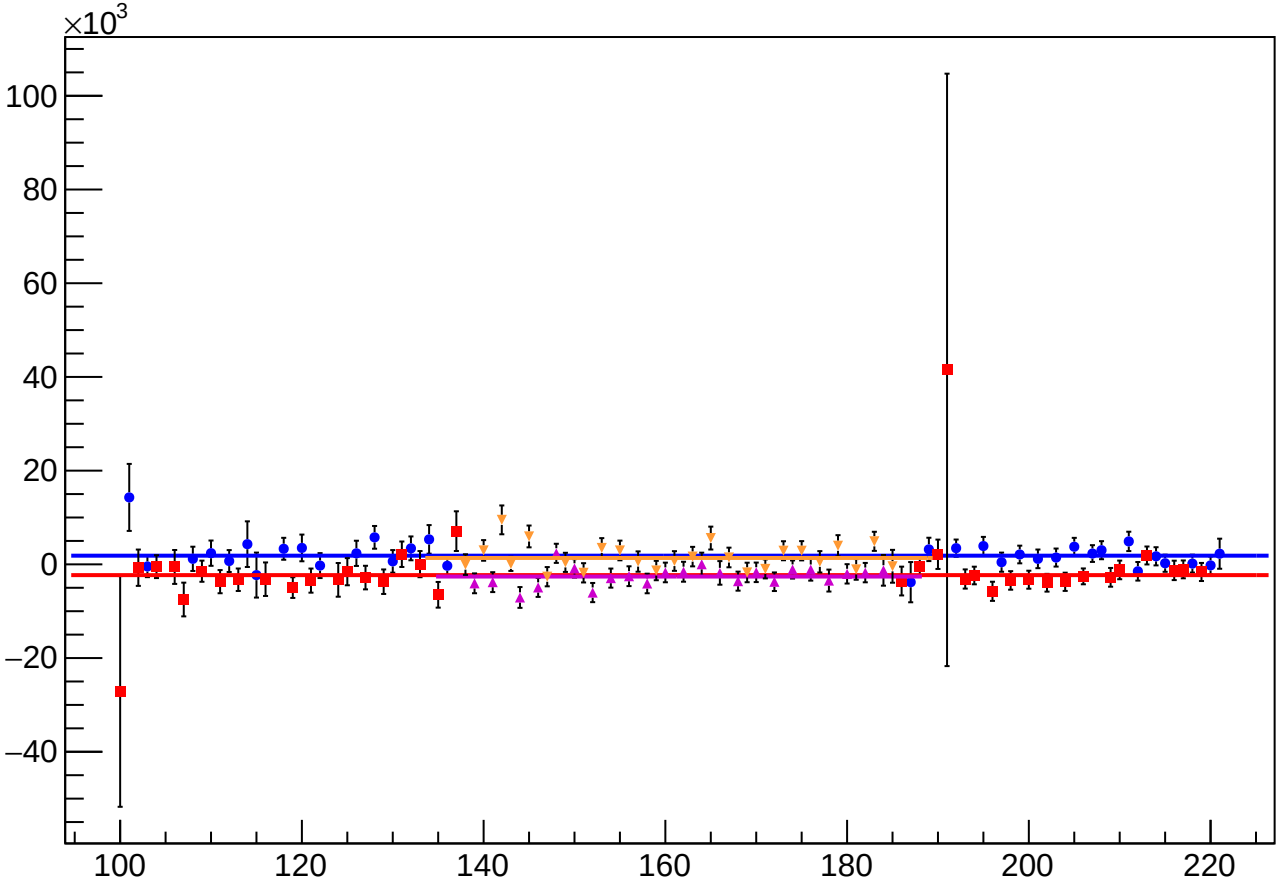
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2564.190+/-0.354 χ^2/NDF: 28942961.9/58

All: 2698.726+/-0.266 χ^2/NDF: 57164973.6/1

- sign 2872.943+/-0.402 χ^2/NDF: 27889723.1/59

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1850.992+/-389.839 χ^2/NDF: 26.2/33

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2298.350+/-391.727 χ^2/NDF: 31.9/36

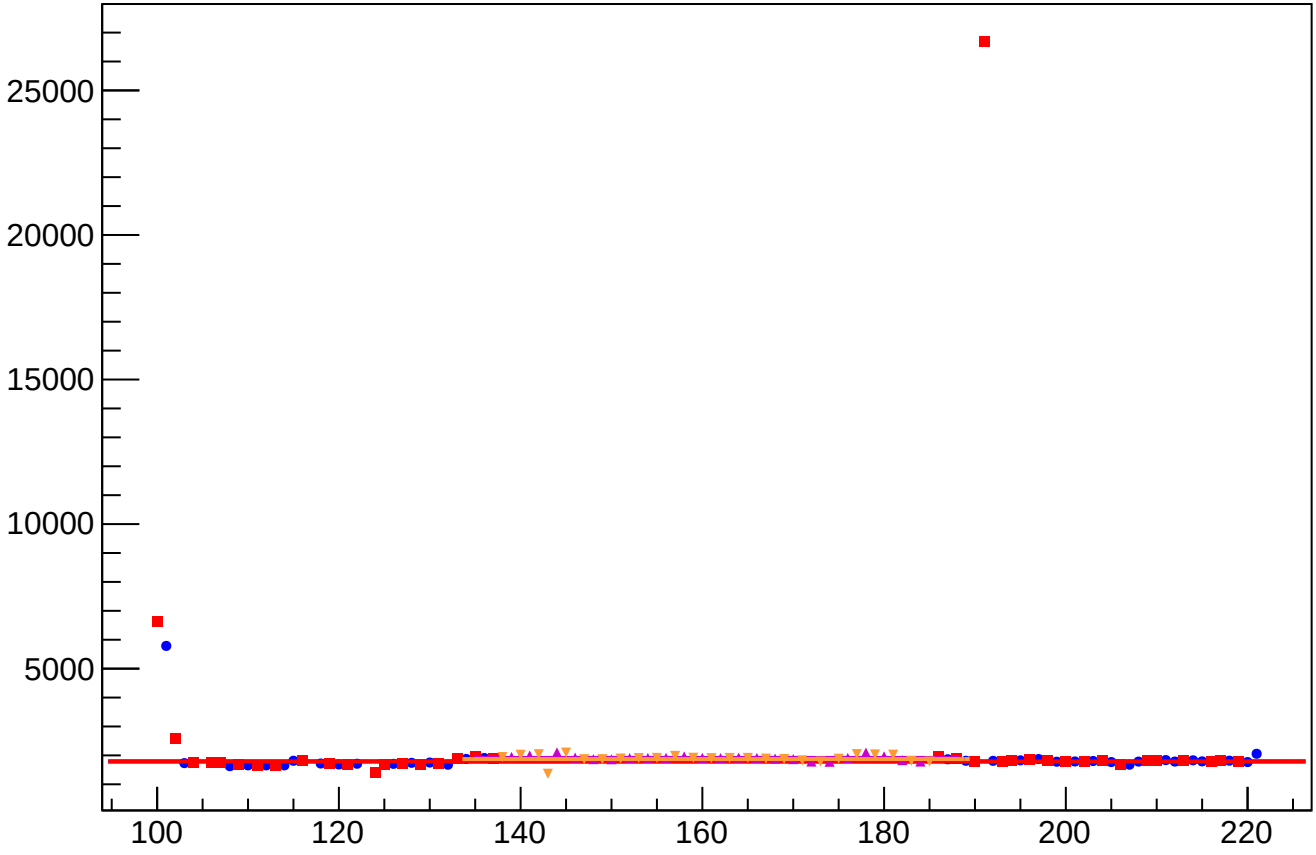
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1629.742+/-288.002 χ^2/NDF: 63.0/58

All: -354.961+/-205.919 χ^2/NDF: 212.4/118

- sign -2430.700+/-294.534 χ^2/NDF: 52.2/59

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1790.869+/-0.276 χ^2/NDF: 699181.5/33

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

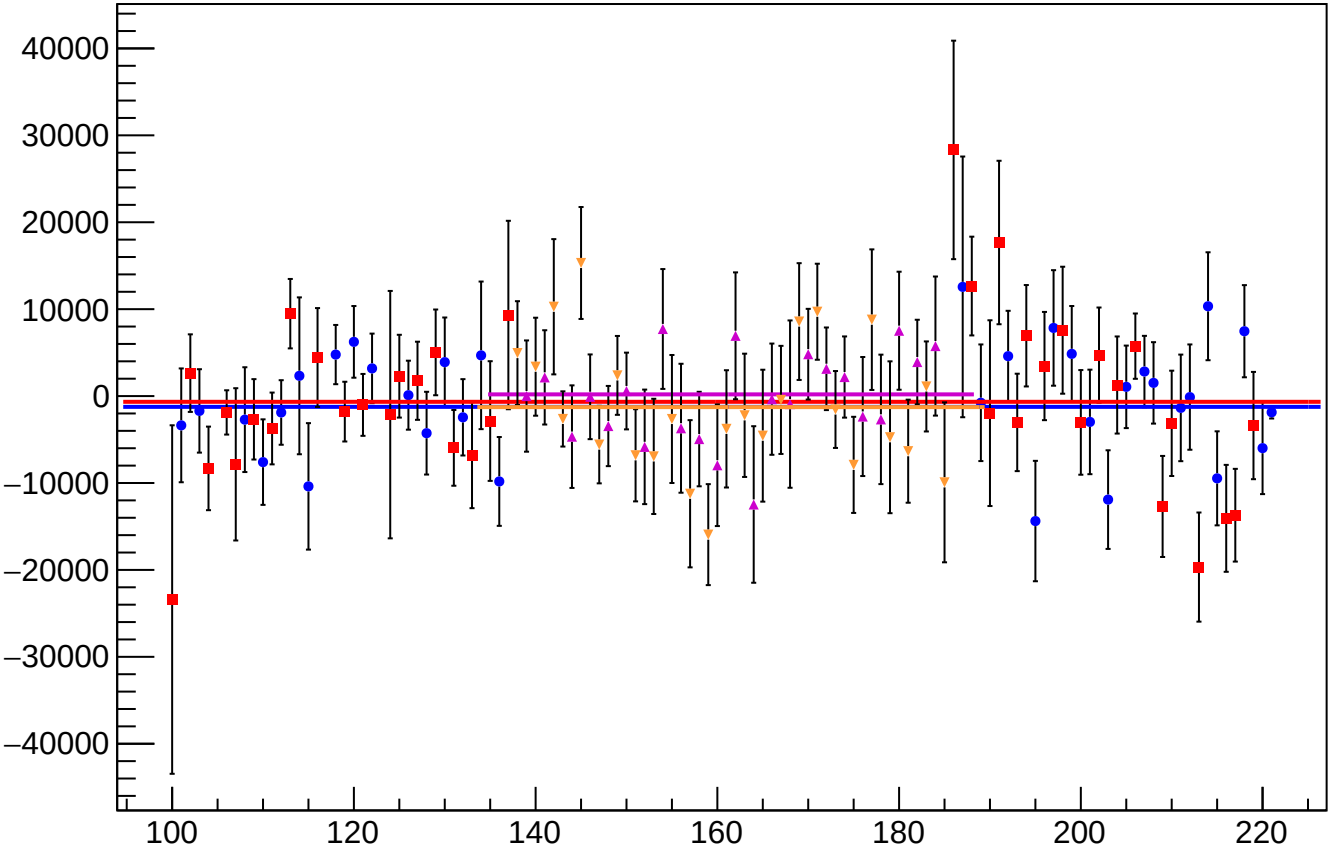
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1828.255+/-0.204 χ^2/NDF: 1049410.9/58

All: 1835.593+/-0.146 χ^2/NDF: 1757369.1/11

- sign 1843.260+/-0.208 χ^2/NDF: 705303.0/59

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -1239.801+/-560.565 χ^2/NDF: 40.2/33

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -658.539+/-853.947 χ^2/NDF: 65.8/36

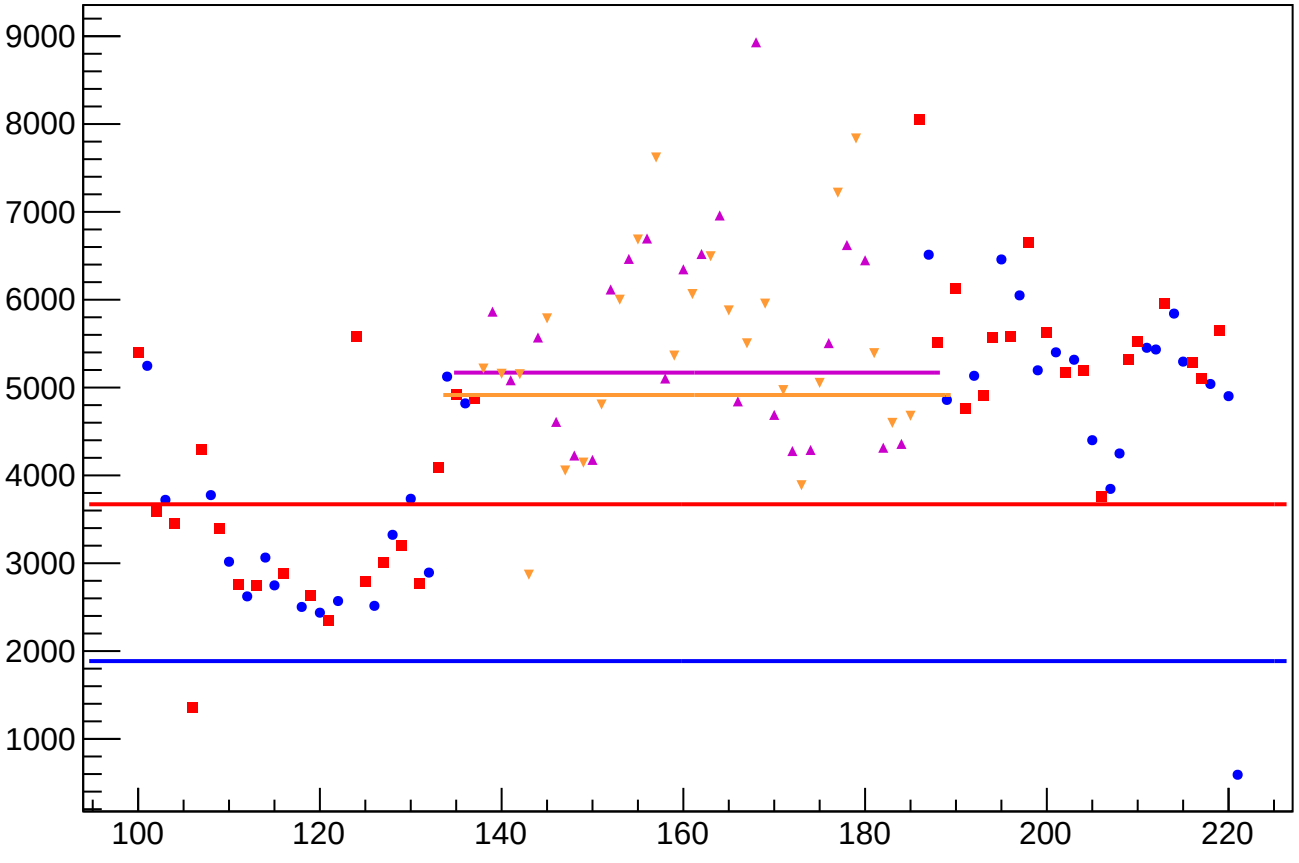
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -1245.504+/-504.402 χ^2/NDF: 73.6/58

All: -951.554+/-409.687 χ^2/NDF: 153.4/118

- sign -381.693+/-702.304 χ^2/NDF: 78.8/59

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 1885.934+/-0.396 χ^2/NDF: 20515827.4/33

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

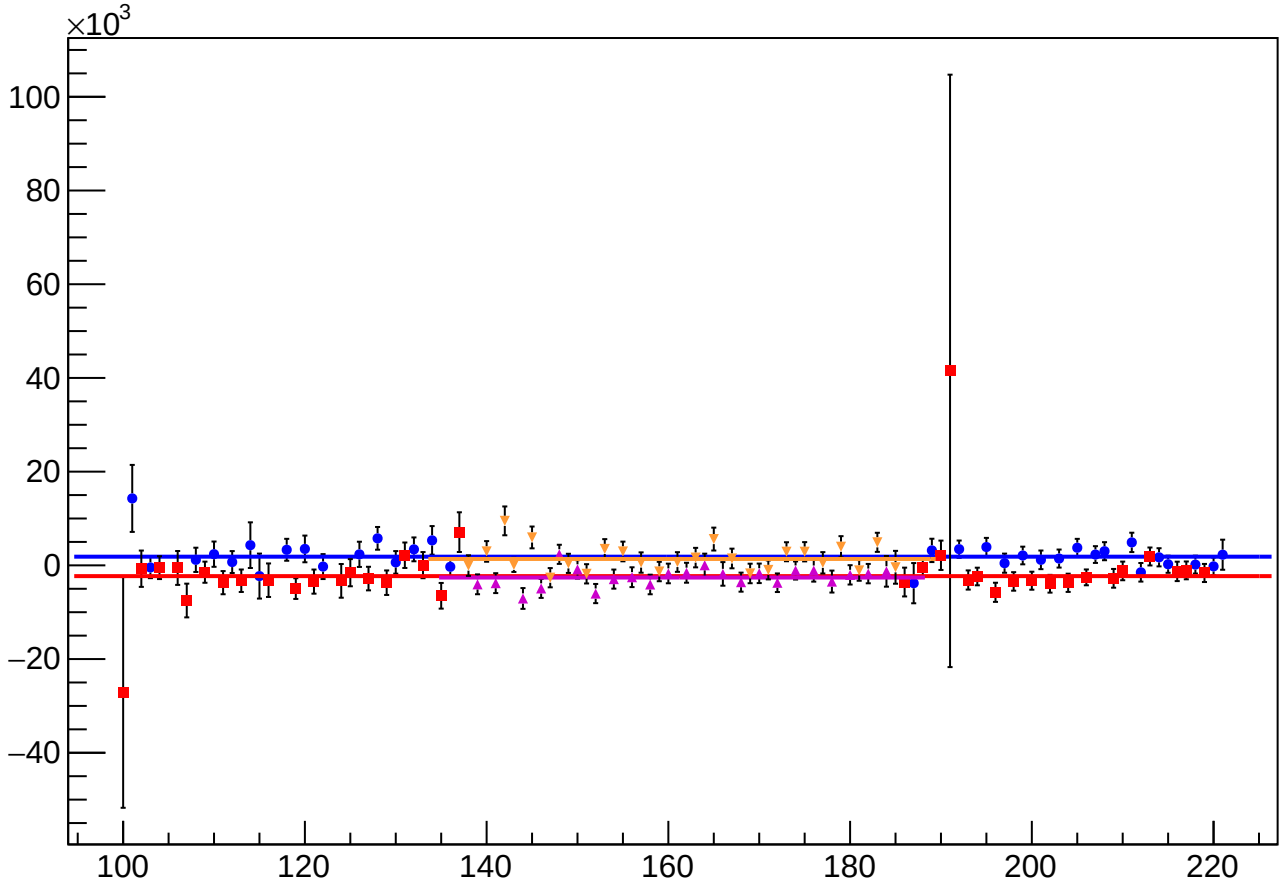
Right Out: 3671.374+/-0.604 χ^2/NDF: 5763773.5/36

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 2462.544+/-0.357 χ^2/NDF: 33799465.3/58

All: 3038.944+/-0.290 χ^2/NDF: 50580291.5/1

- sign 4156.374+/-0.497 χ^2/NDF: 9105964.2/59



Right In: 1850.995+/-389.839 χ^2/NDF: 26.2/33

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2298.346+/-391.727 χ^2/NDF: 31.9/36

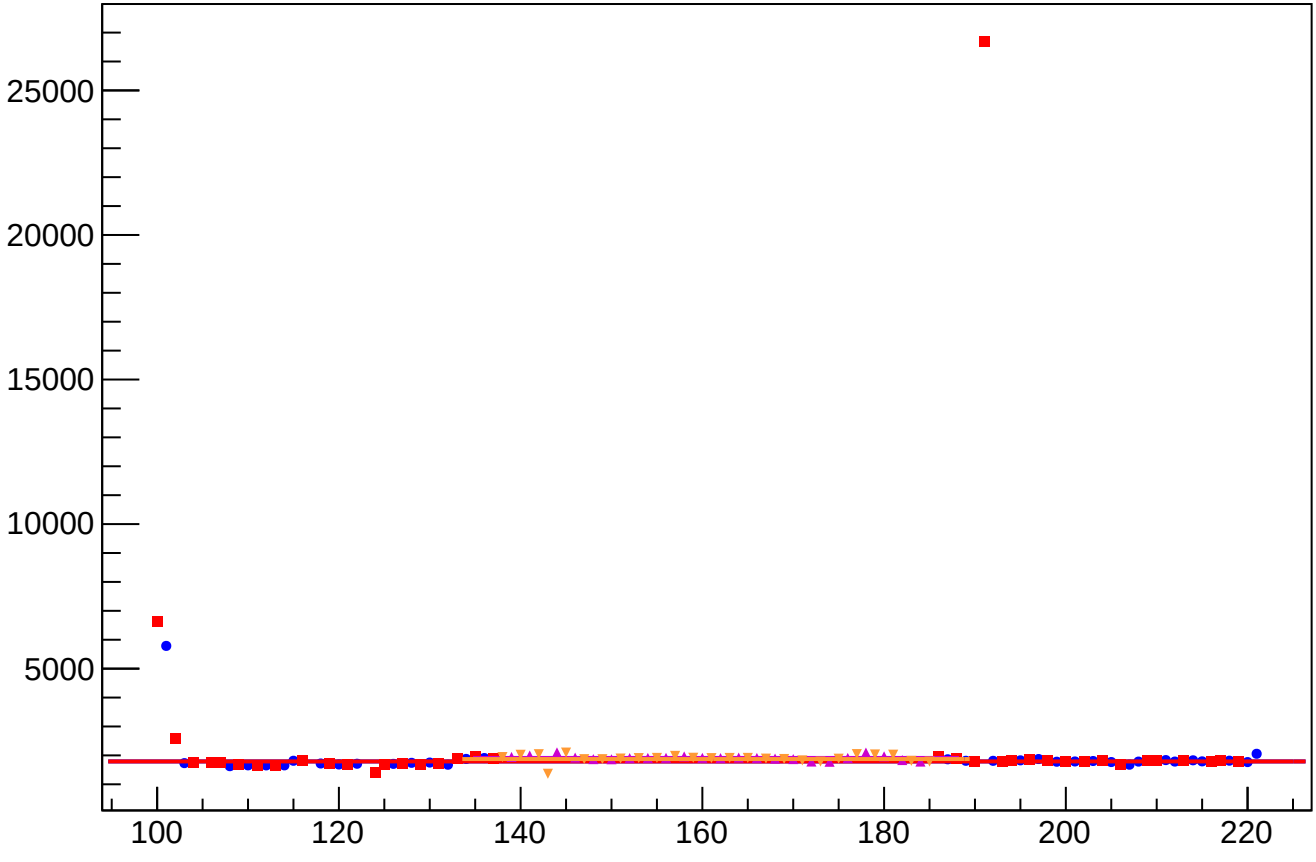
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1629.742+/-288.003 χ^2/NDF: 63.0/58

All: -354.959+/-205.919 χ^2/NDF: 212.4/118

- sign -2430.697+/-294.534 χ^2/NDF: 52.2/59

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1790.869+/-0.276 χ^2/NDF: 699181.5/33

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

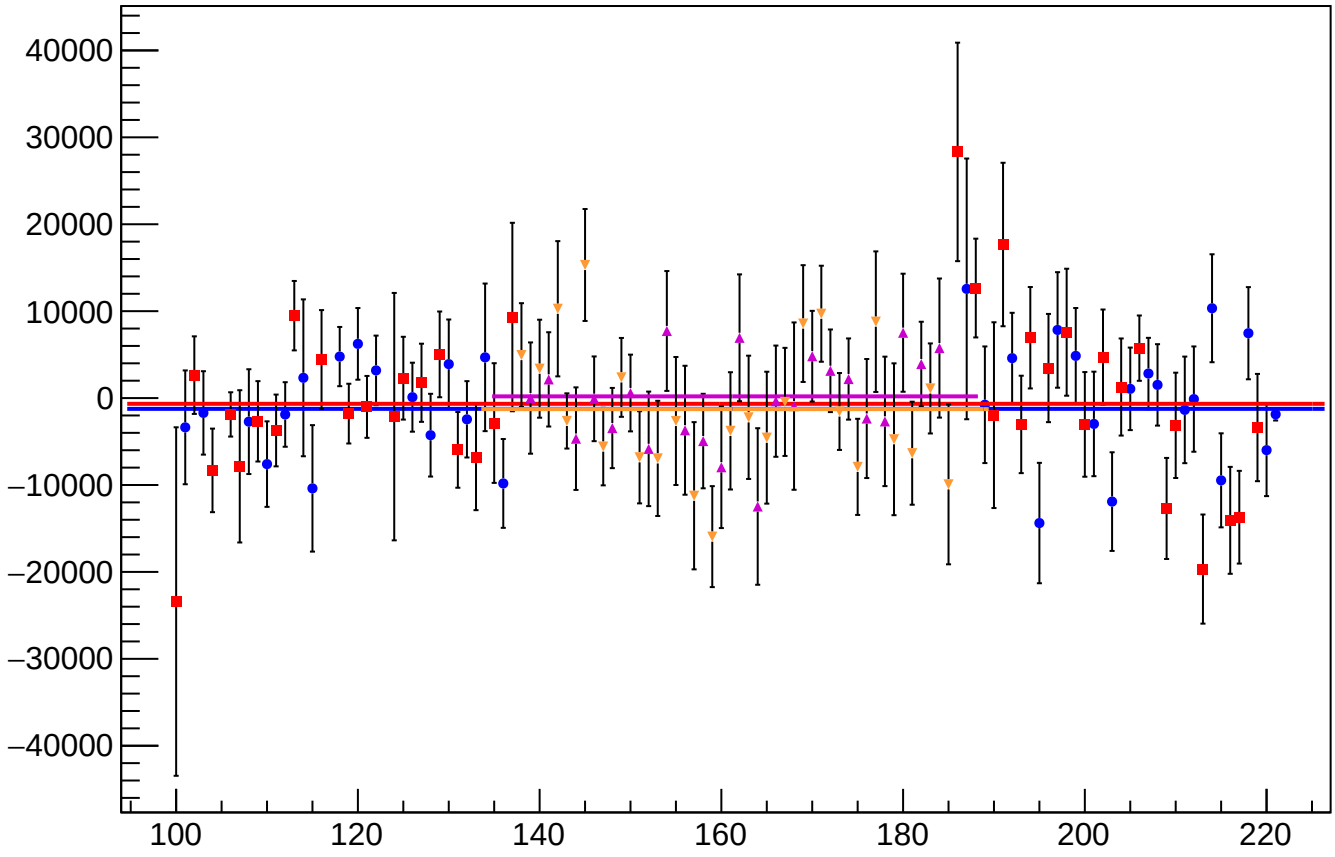
Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1828.255+/-0.204 χ^2/NDF: 1049415.4/58

All: 1835.594+/-0.146 χ^2/NDF: 1757377.4/11

- sign 1843.260+/-0.208 χ^2/NDF: 705307.0/59



Right In: -1239.801+/-560.565 χ^2/NDF: 40.2/33

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -658.540+/-853.945 χ^2/NDF: 65.8/36

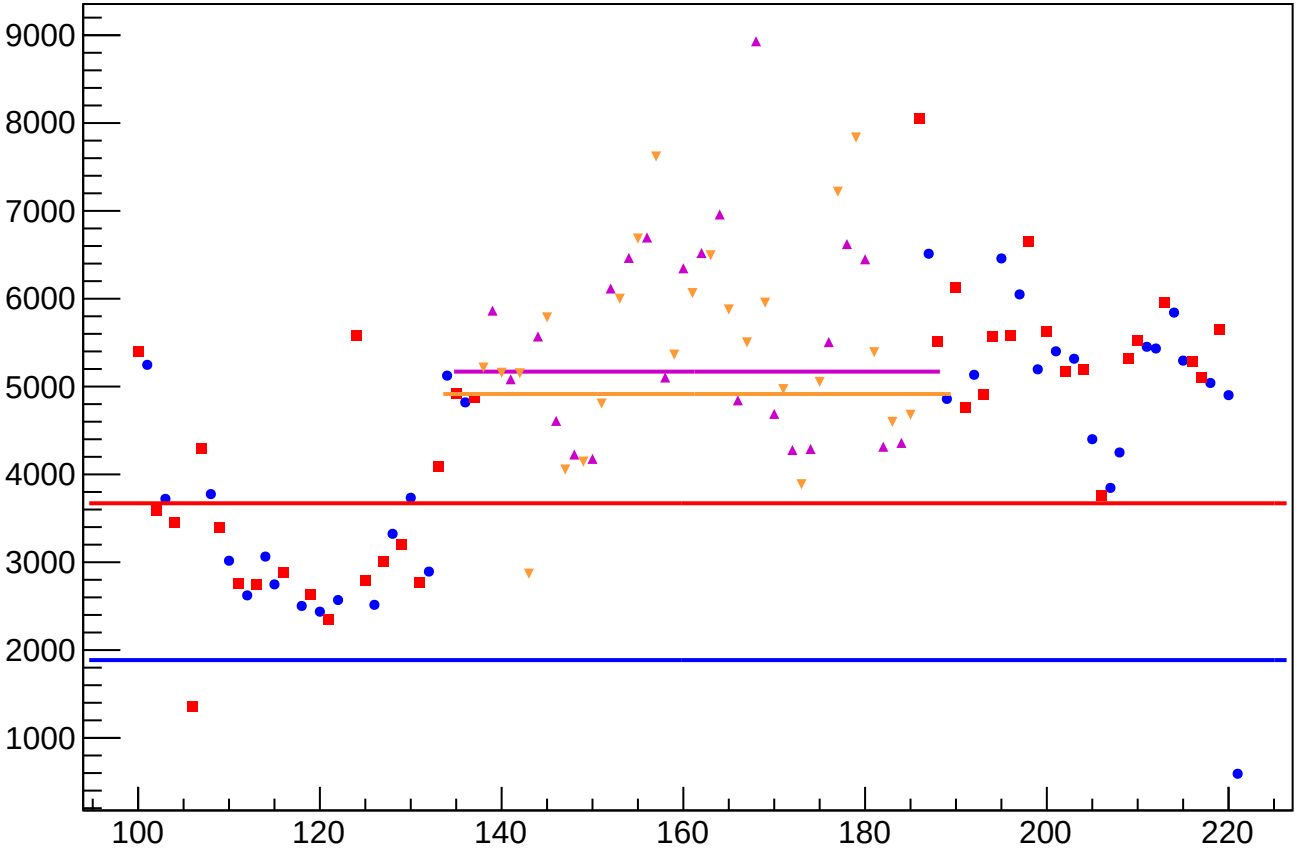
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -1245.505+/-504.401 χ^2/NDF: 73.6/58

All: -951.555+/-409.686 χ^2/NDF: 153.4/118

- sign -381.694+/-702.303 χ^2/NDF: 78.8/59

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 1885.928+/-0.396 χ^2/NDF: 20515895.2/33

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3671.363+/-0.604 χ^2/NDF: 5763859.3/36

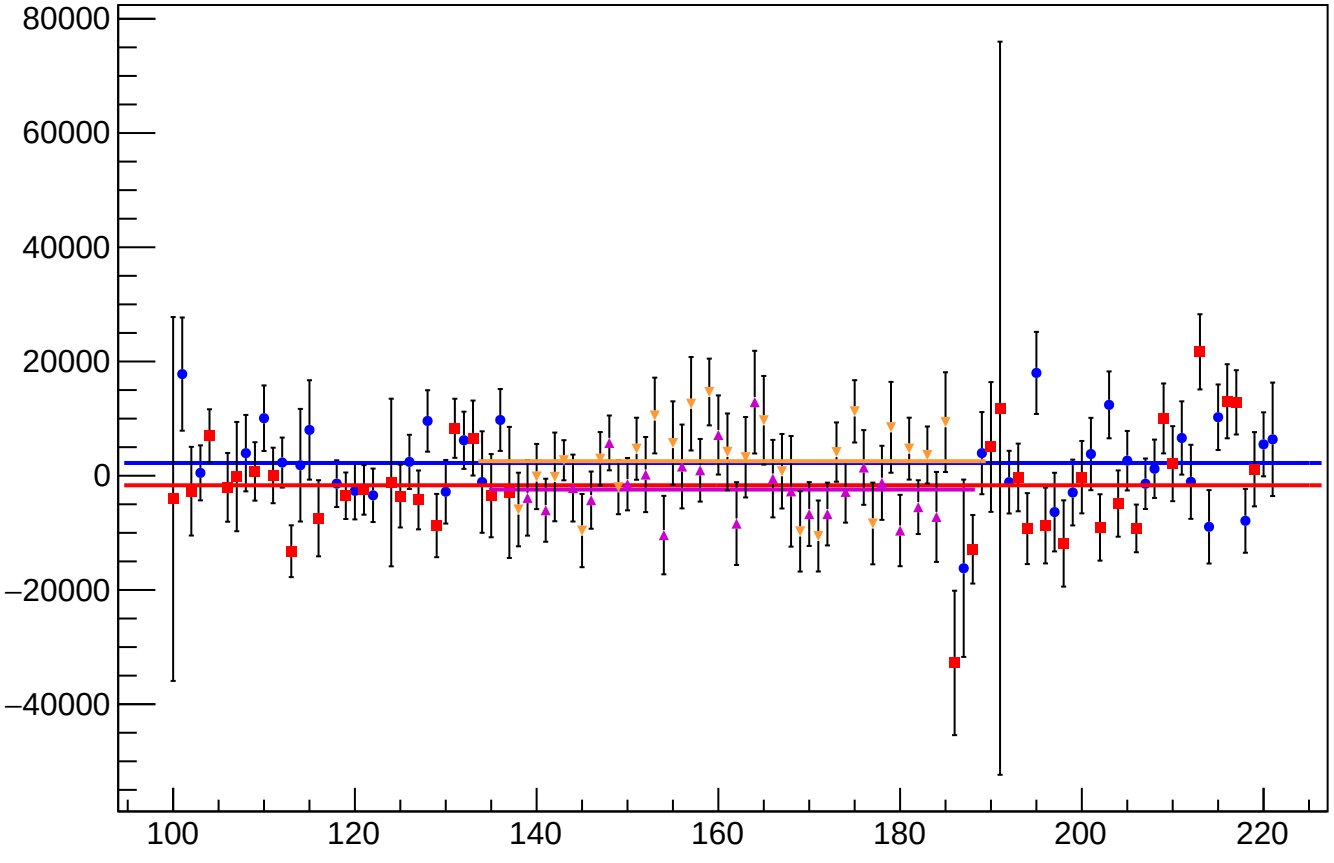
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 2462.538+/-0.357 χ^2/NDF: 33799612.3/58

All: 3038.937+/-0.290 χ^2/NDF: 50580579.9/1

- sign 4156.367+/-0.497 χ^2/NDF: 9106099.7/59

asym_atr1l2_avg_mean vs Slug



Right In: 2232.558+/-995.246 χ^2/NDF: 35.9/33

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -1670.241+/-1003.498 χ^2/NDF: 67.0/36

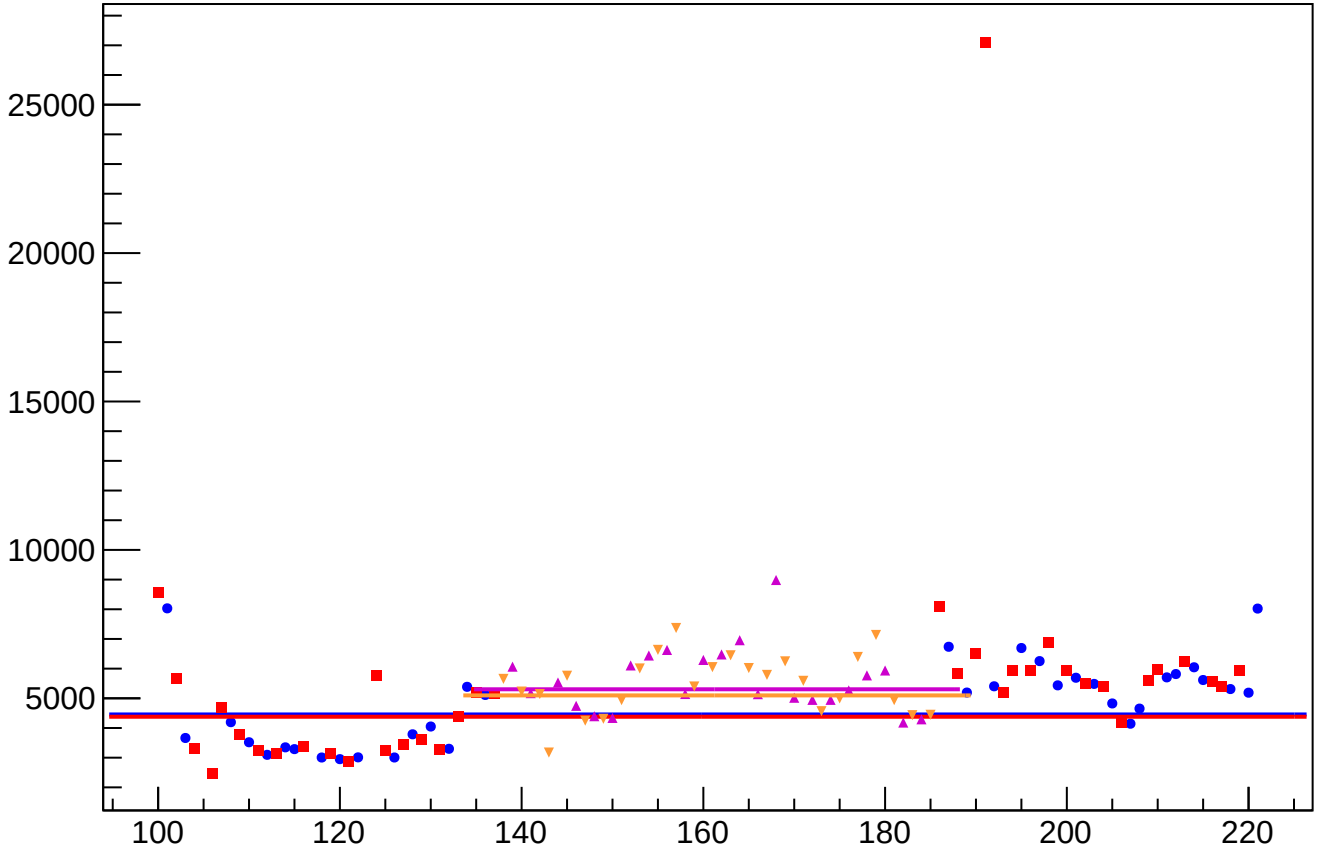
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2362.305+/-762.822 χ^2/NDF: 65.0/58

All: 261.534+/-547.029 χ^2/NDF: 162.8/118

- sign -1962.503+/-784.883 χ^2/NDF: 82.2/59

asym_atr1l2_avg_rms vs Slug



Right In: 4456.062+/-0.704 χ^2/NDF: 3016893.9/33

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

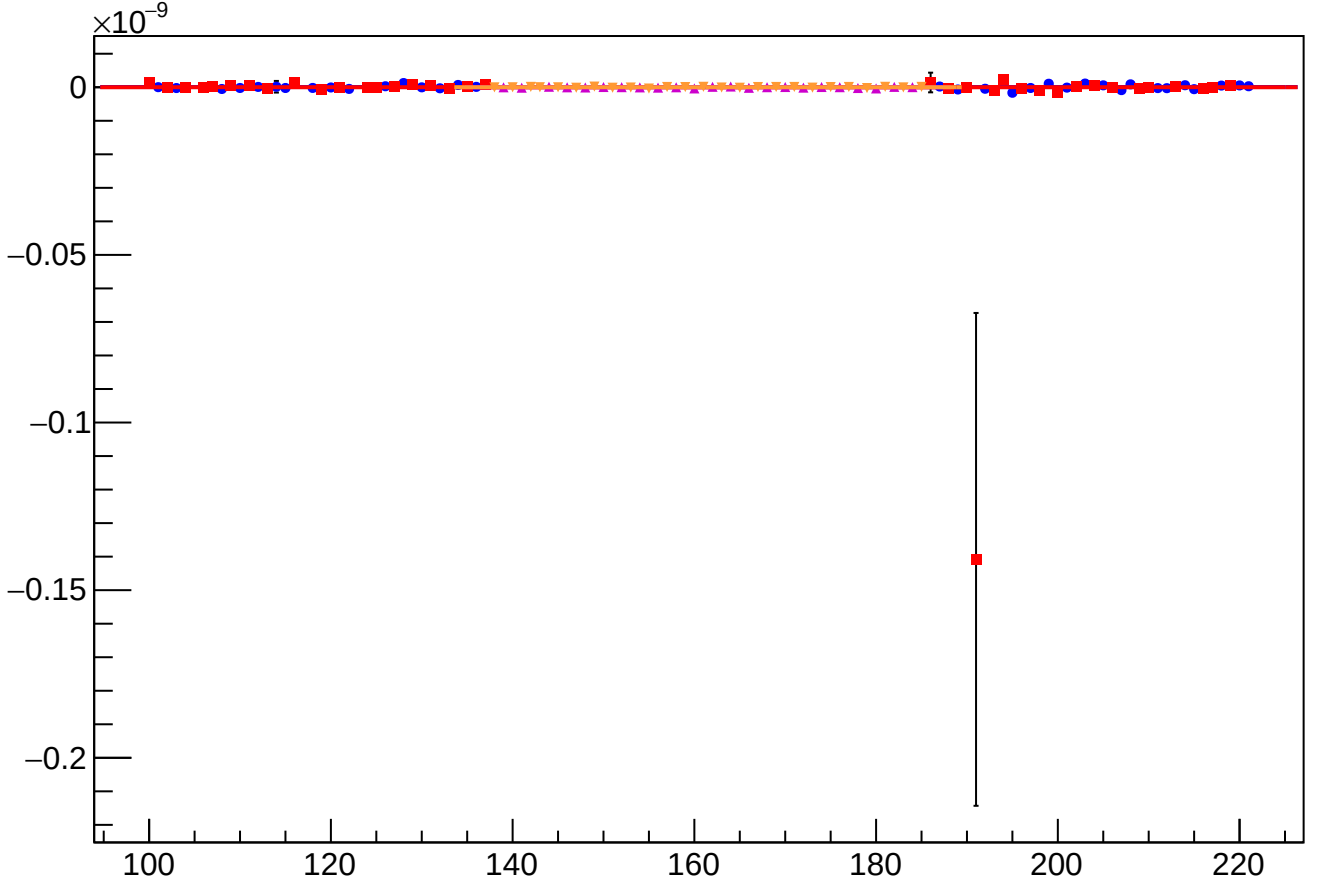
Right Out: 4379.389+/-0.703 χ^2/NDF: 3606284.1/36

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4720.879+/-0.539 χ^2/NDF: 4904525.4/58

All: 4727.583+/-0.386 χ^2/NDF: 10193014.6/1

- sign 4734.604+/-0.552 χ^2/NDF: 5288172.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

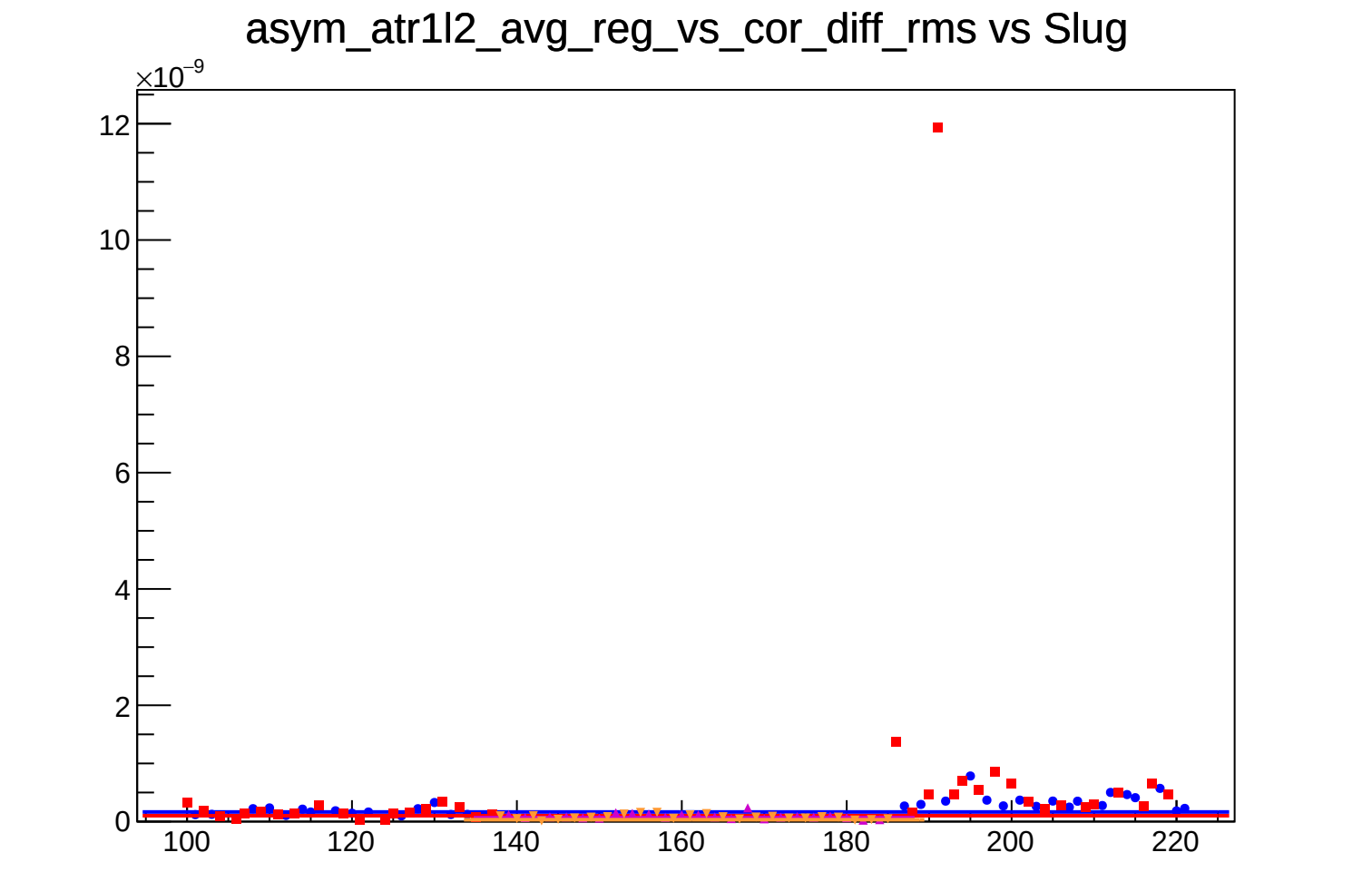
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/36

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.6/58

All: 0.000+/-0.000 χ^2/NDF: 121.6/118

- sign 0.000+/-0.000 χ^2/NDF: 64.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 4732417.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9361354.3/36

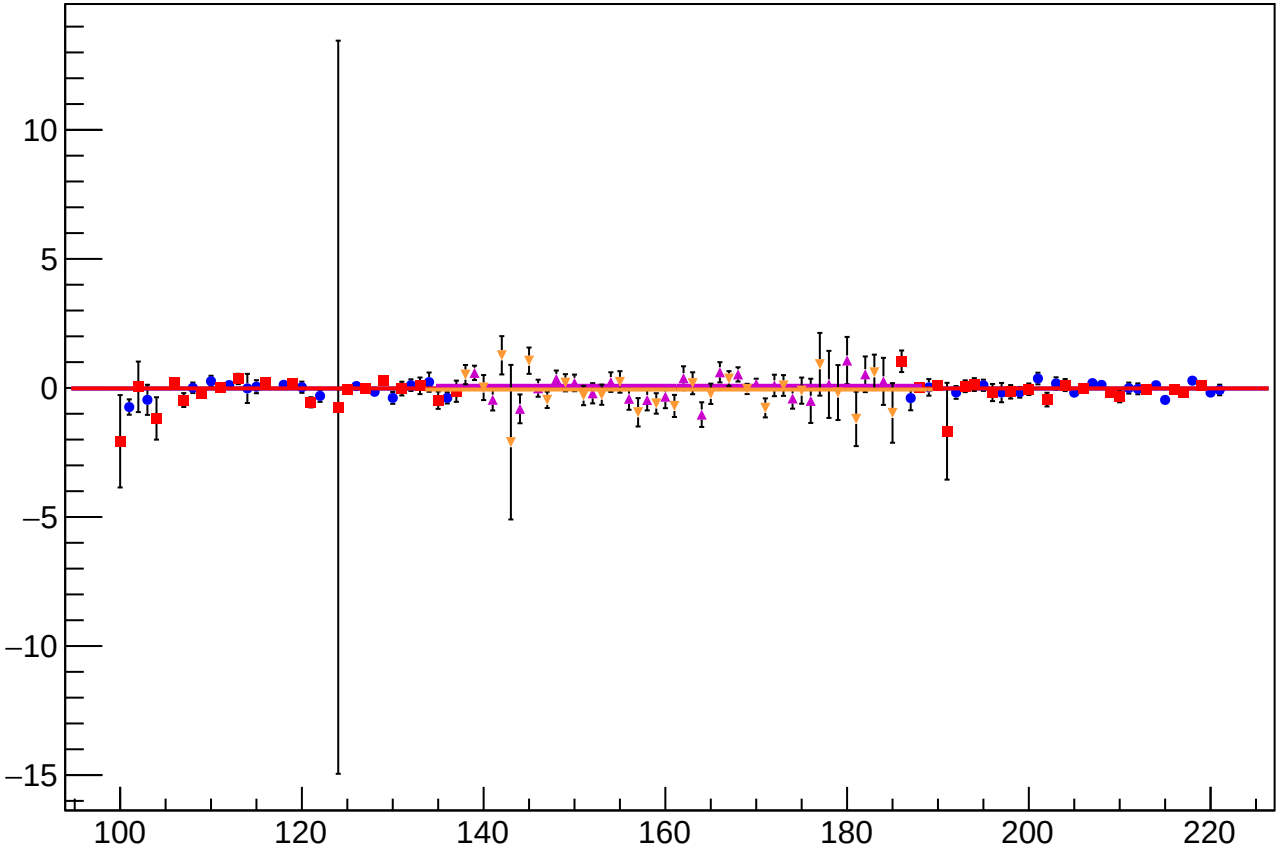
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18849535.4/58

All: 0.000+/-0.000 χ^2/NDF: 33984984.0/118

- sign 0.000+/-0.000 χ^2/NDF: 12495198.2/59

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

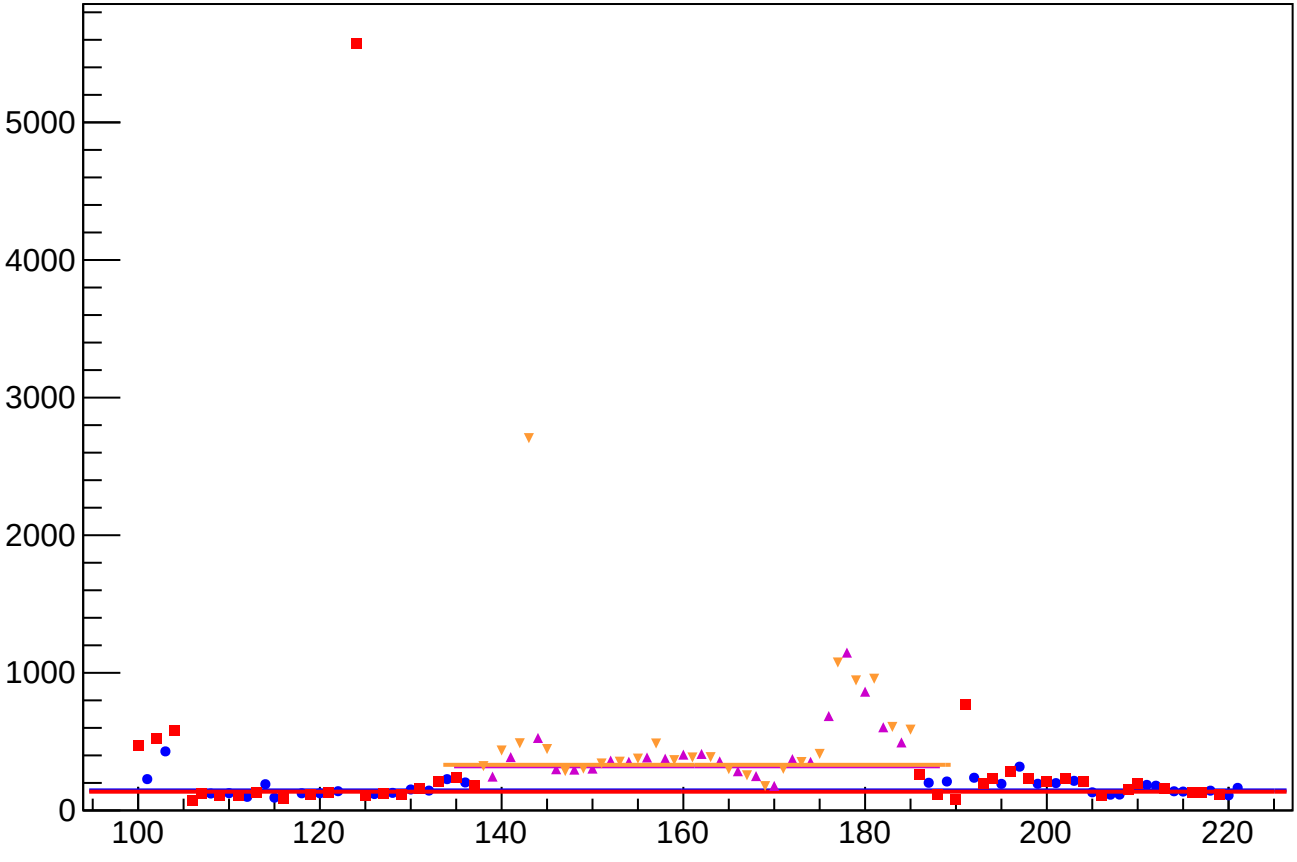
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 149.2/118

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 145.715+/-0.024 χ^2/NDF: 3169580.9/33

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

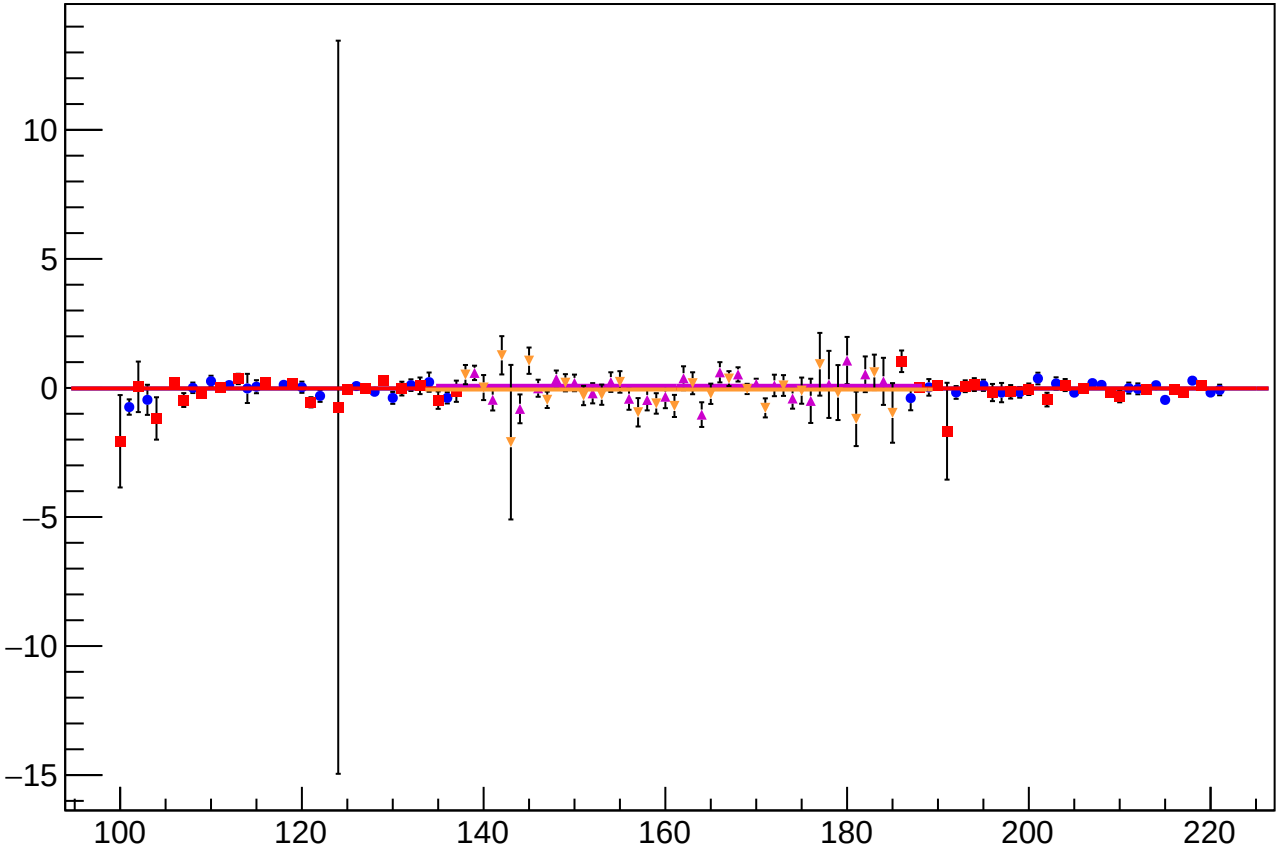
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480554.4/58

All: 167.335+/-0.016 χ^2/NDF: 35802524.0/11

- sign 162.837+/-0.022 χ^2/NDF: 18234136.8/59

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

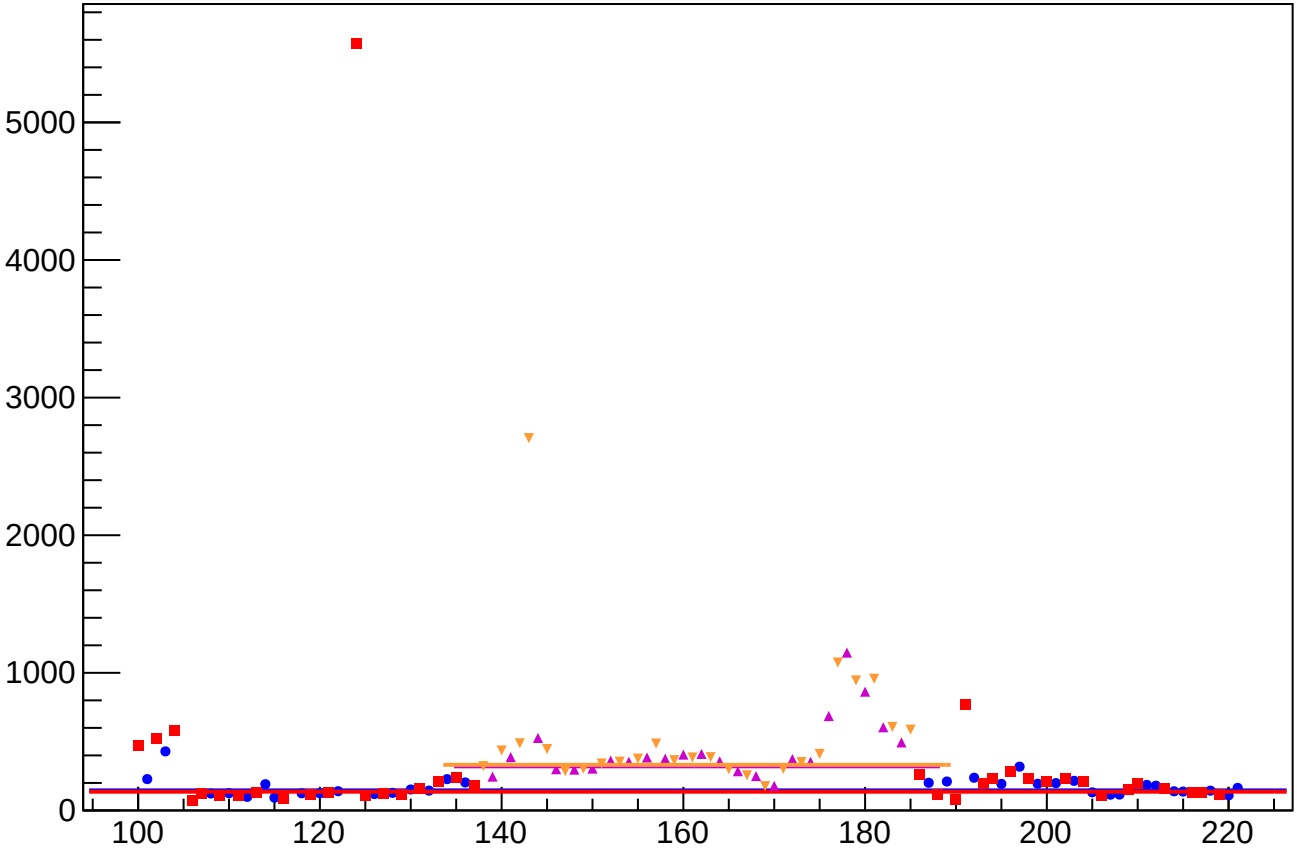
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 149.2/118

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.715+/-0.024 χ^2/NDF: 3169580.9/33

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

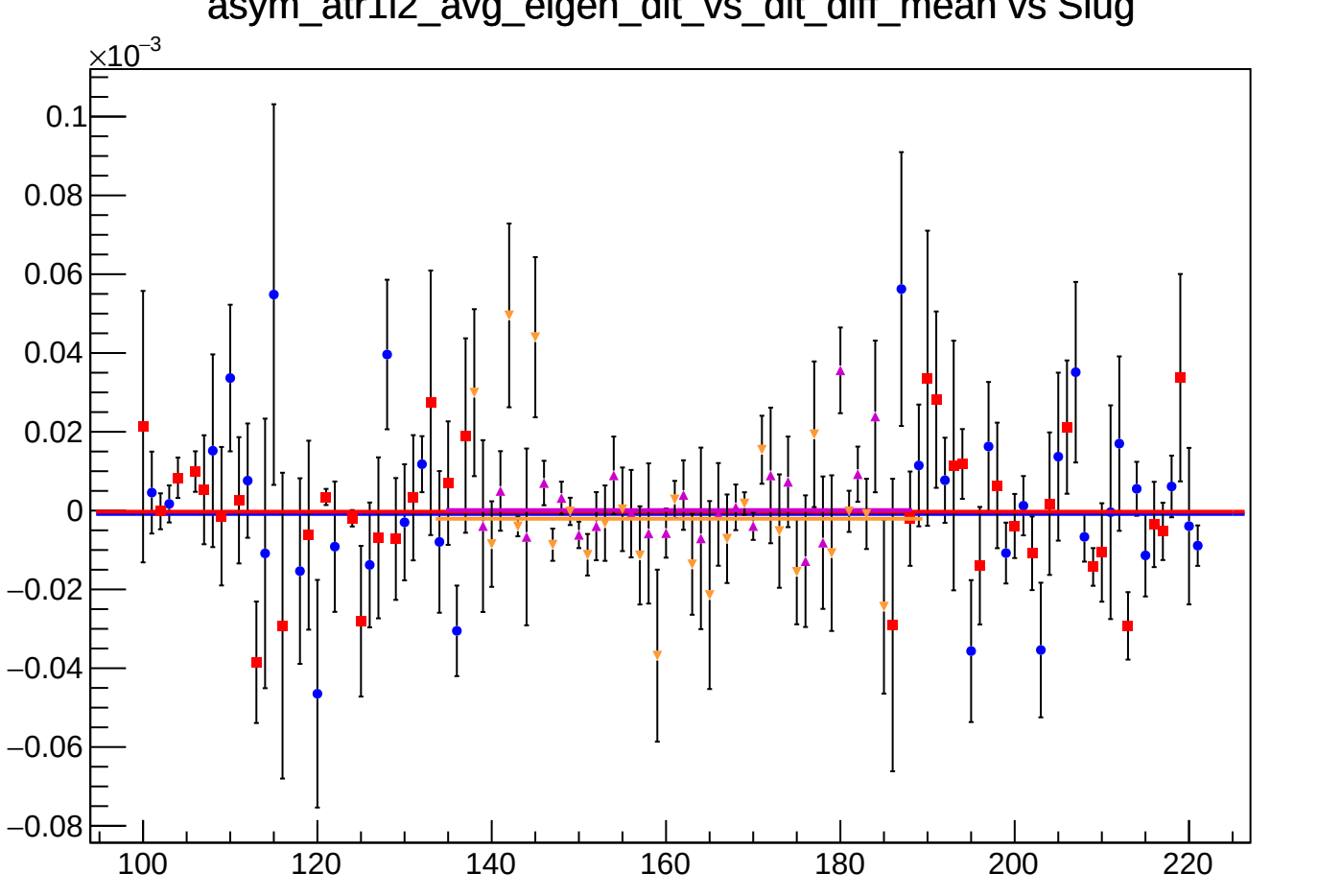
Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480554.4/58

All: 167.335+/-0.016 χ^2/NDF: 35802524.0/11

- sign 162.837+/-0.022 χ^2/NDF: 18234136.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

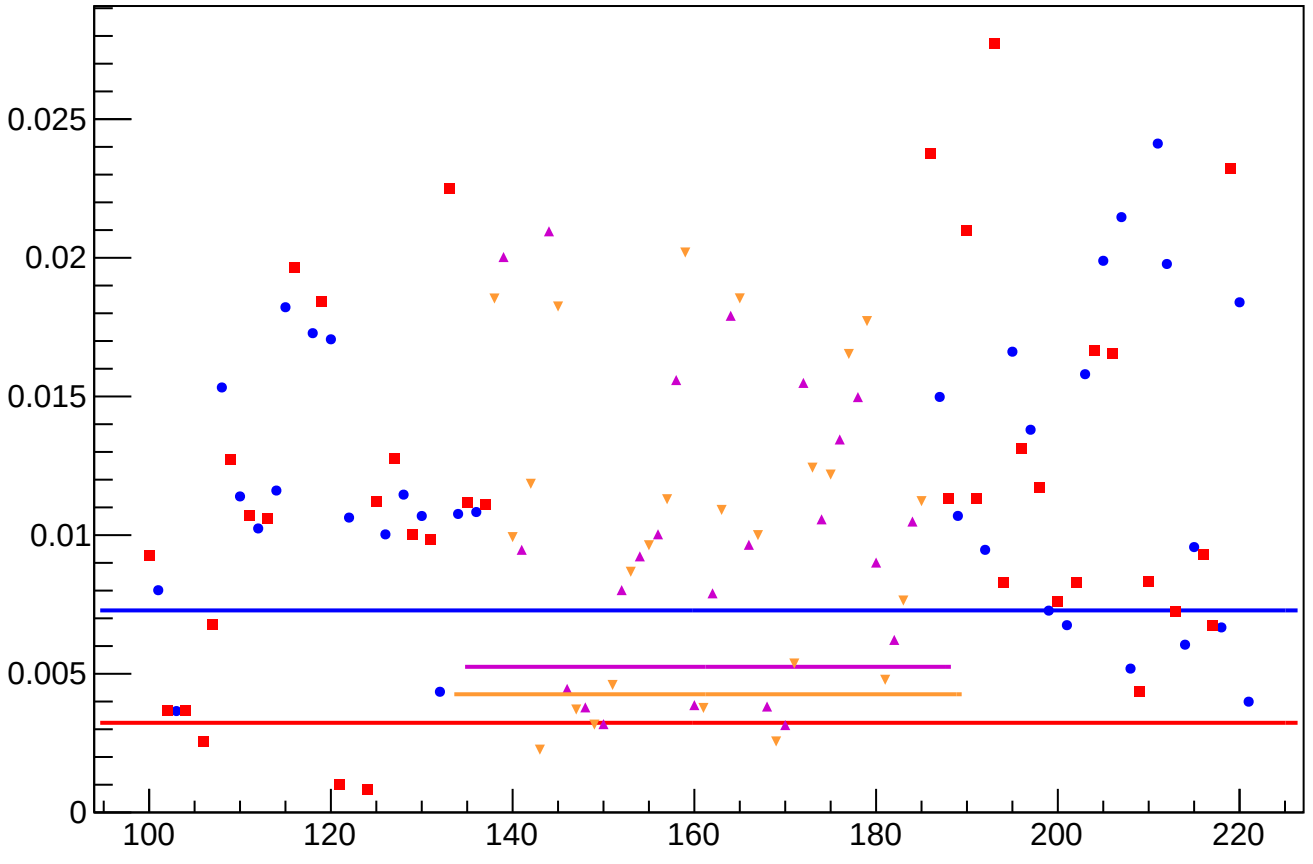
Right Out: -0.000+/-0.000 χ^2/NDF: 54.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.8/58

All: -0.000+/-0.000 χ^2/NDF: 164.3/118

- sign -0.000+/-0.000 χ^2/NDF: 79.1/59



Right In: 0.007+/-0.000 χ^2/NDF: 9630465.5/33

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23011104.6/36

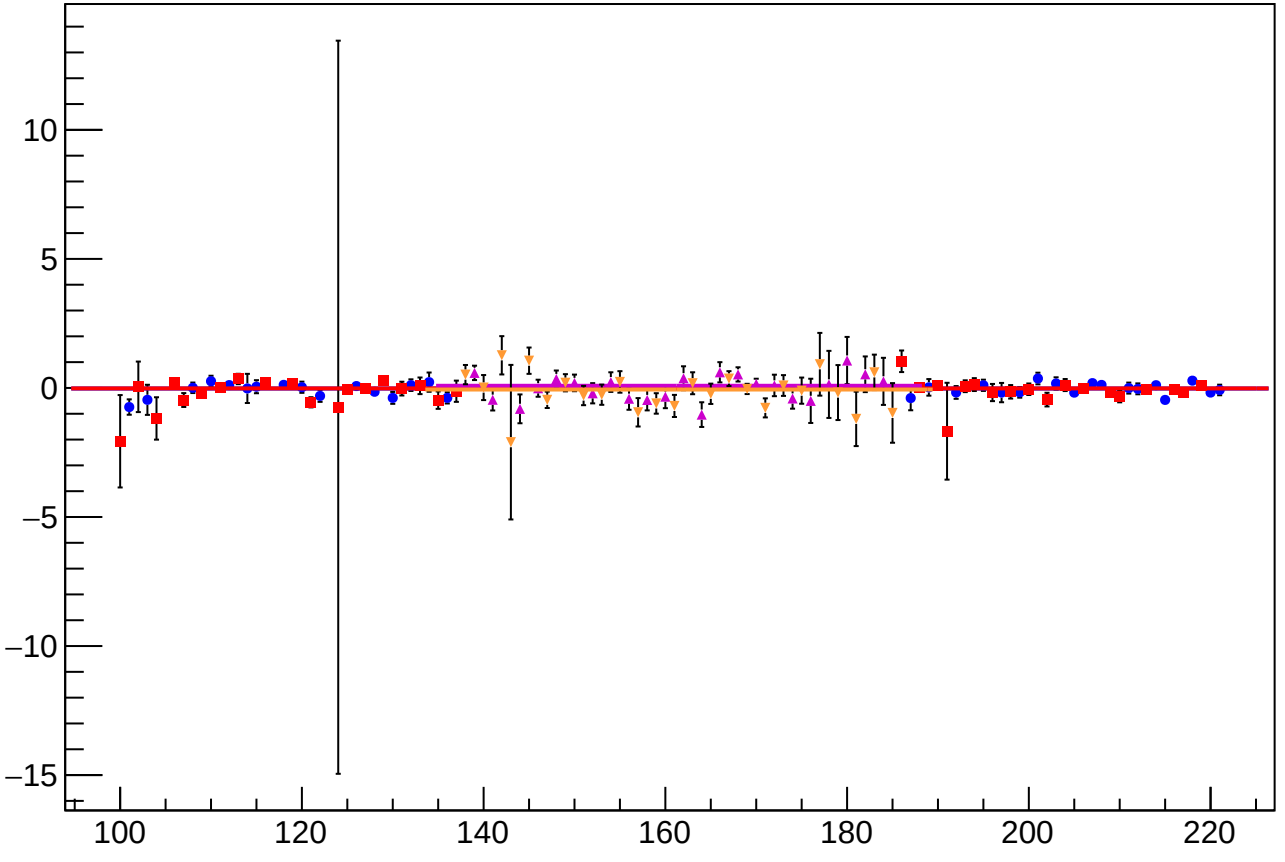
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 26274353.7/58

All: 0.004+/-0.000 χ^2/NDF: 62780414.9/118

- sign 0.004+/-0.000 χ^2/NDF: 34827127.7/59

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

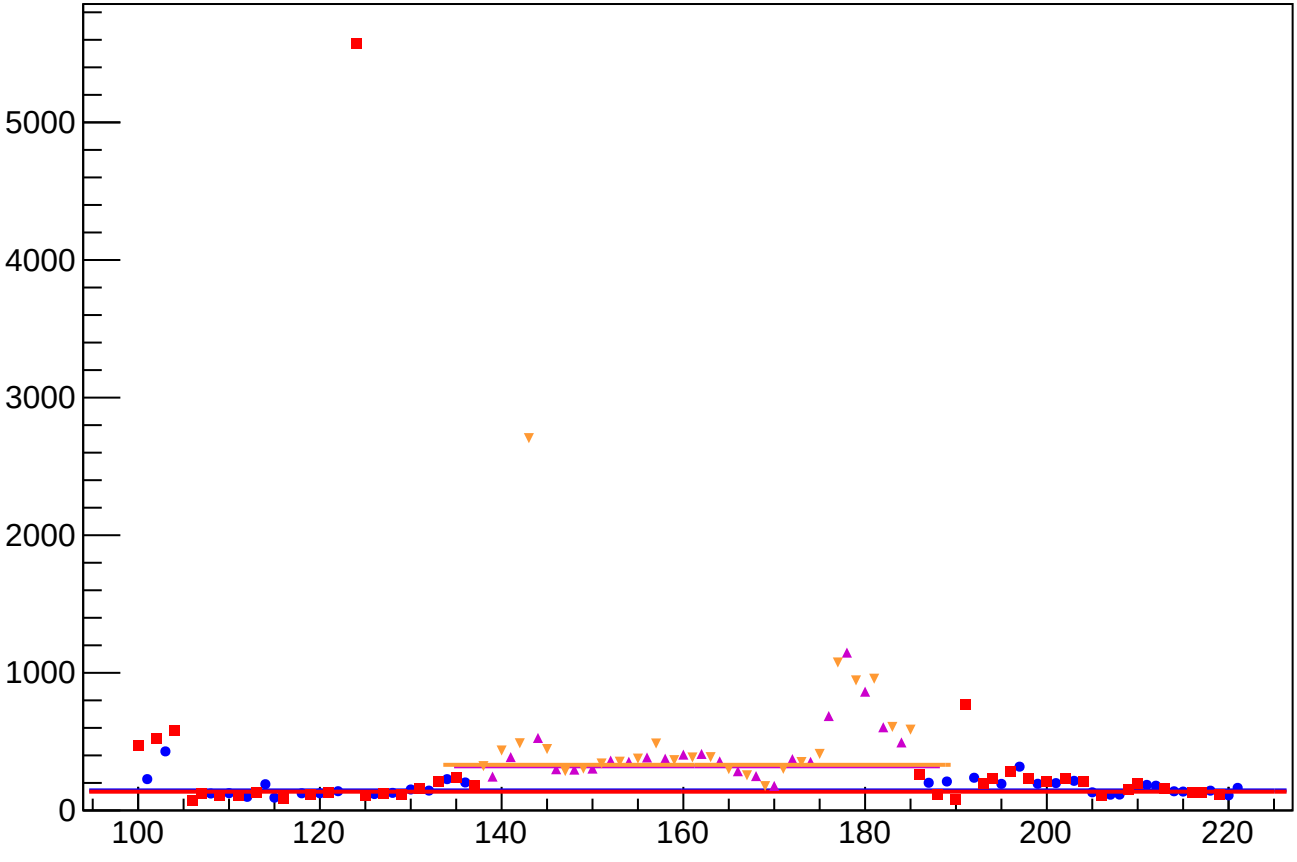
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 149.2/118

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.714+/-0.024 χ^2/NDF: 3169577.1/33

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

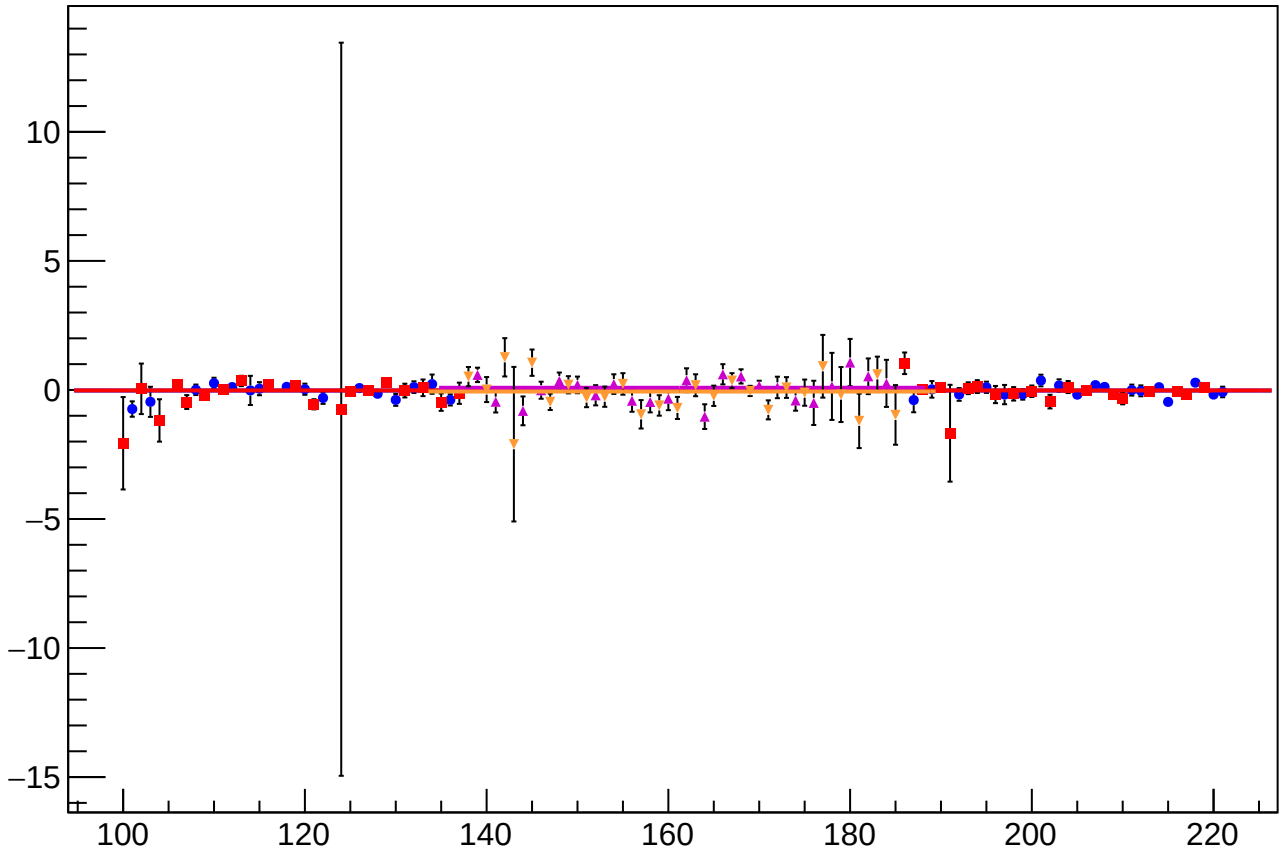
Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480735.0/58

All: 167.334+/-0.016 χ^2/NDF: 35803056.5/11

- sign 162.835+/-0.022 χ^2/NDF: 18234470.7/59



Right In: -0.023+/-0.034 χ^2/NDF: 44.0/33

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

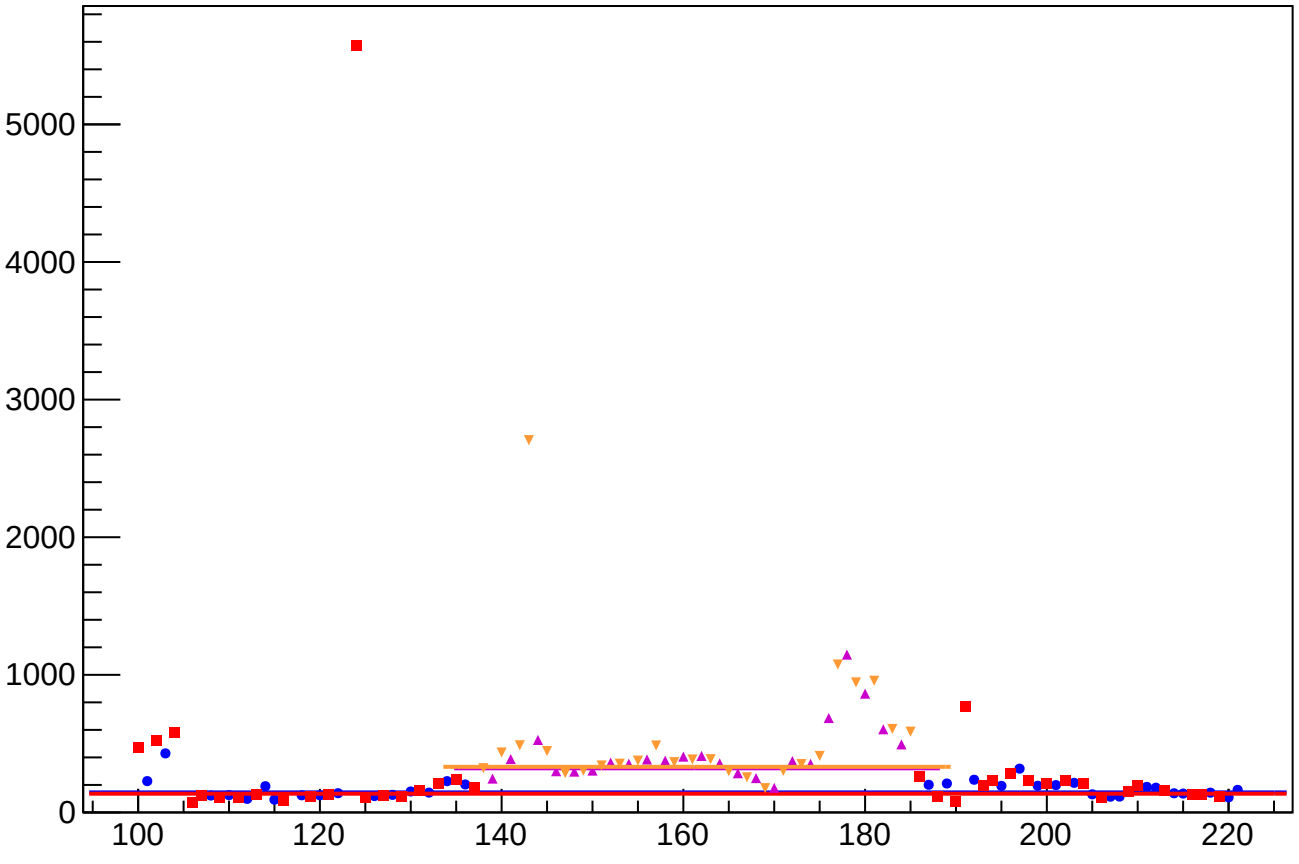
Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 75.0/58

All: -0.015+/-0.022 χ^2/NDF: 149.2/118

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59



Right In: 145.714+/-0.024 χ^2/NDF: 3169577.1/33

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

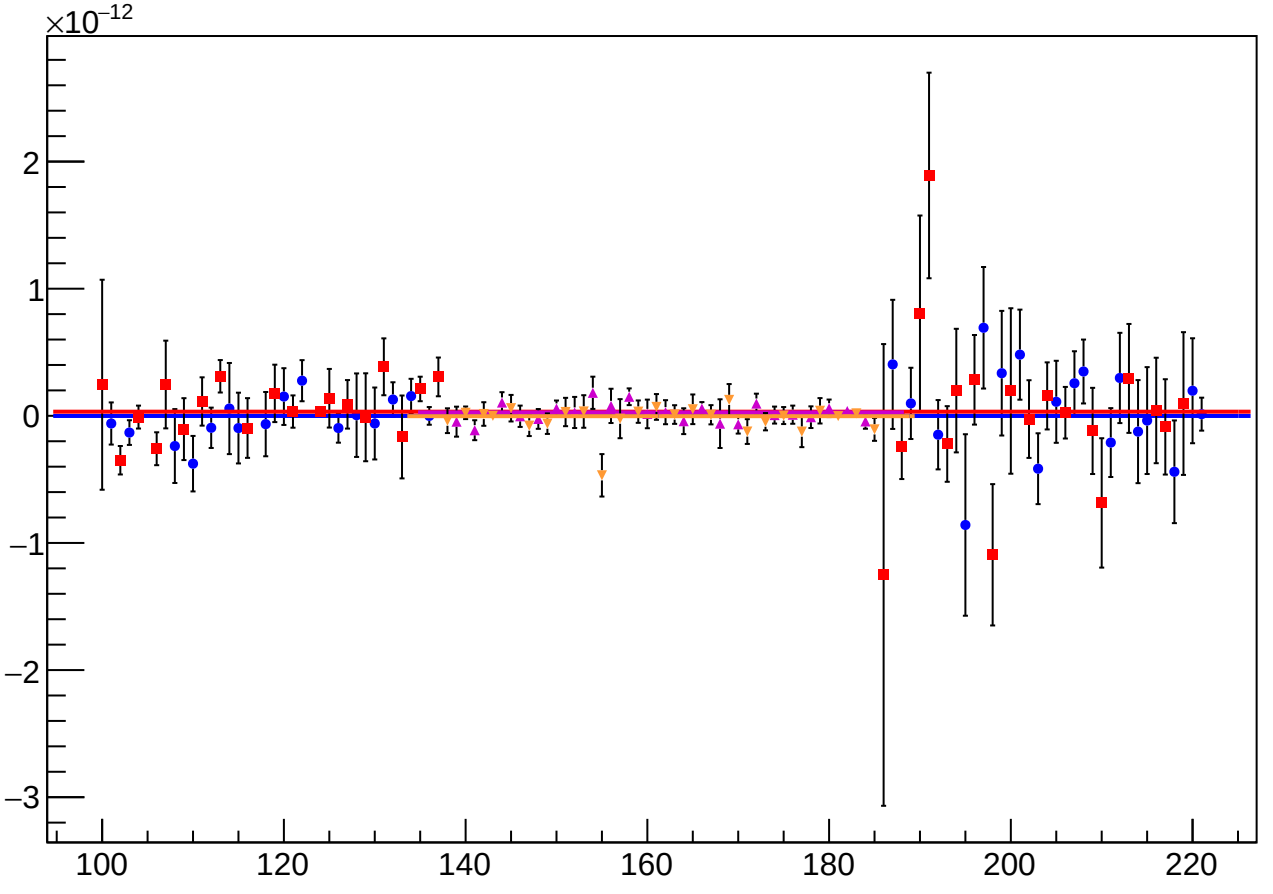
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 172.060+/-0.022 χ^2/NDF: 17480735.0/58

All: 167.334+/-0.016 χ^2/NDF: 35803056.5/11

- sign 162.835+/-0.022 χ^2/NDF: 18234470.7/59

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

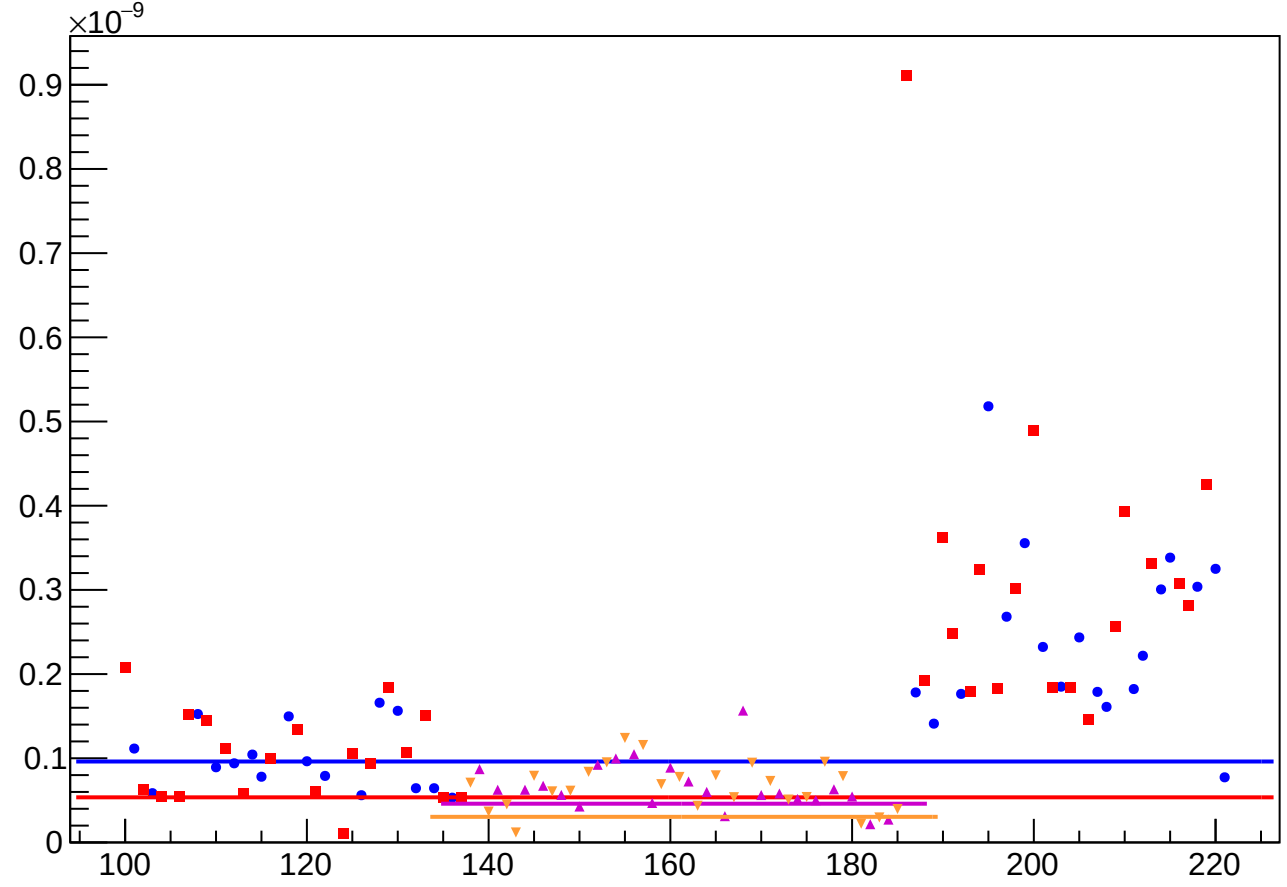
Right Out: 0.000+/-0.000 χ^2/NDF: 49.5/36

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/58

All: 0.000+/-0.000 χ^2/NDF: 113.9/118

- sign 0.000+/-0.000 χ^2/NDF: 65.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 7788323.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15043717.8/36

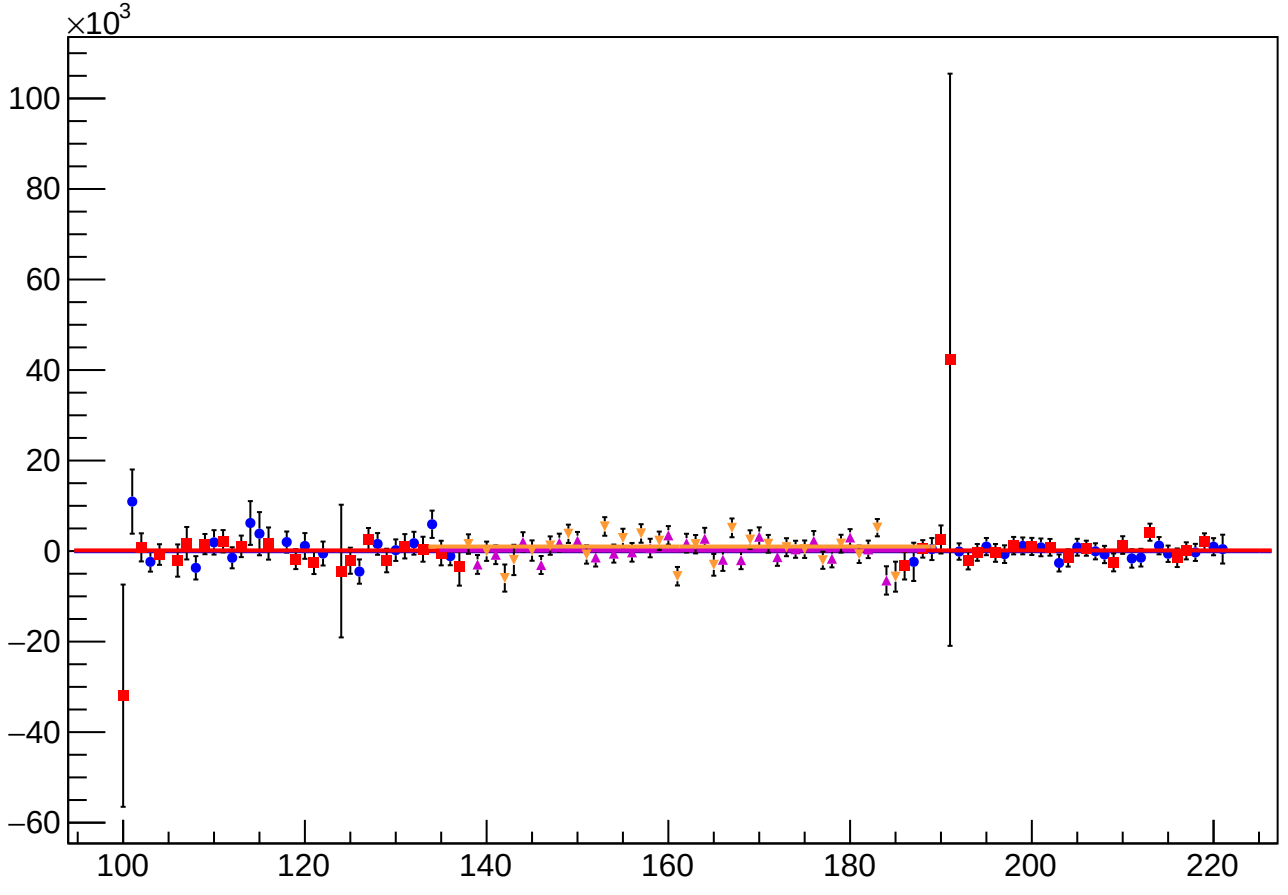
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 25550860.1/58

All: 0.000+/-0.000 χ^2/NDF: 46597407.5/118

- sign 0.000+/-0.000 χ^2/NDF: 20085983.9/59

reg_asym_atr1l2_dd_mean vs Slug



Right In: -32.646+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 150.930+/-387.153 χ^2/NDF: 22.5/36

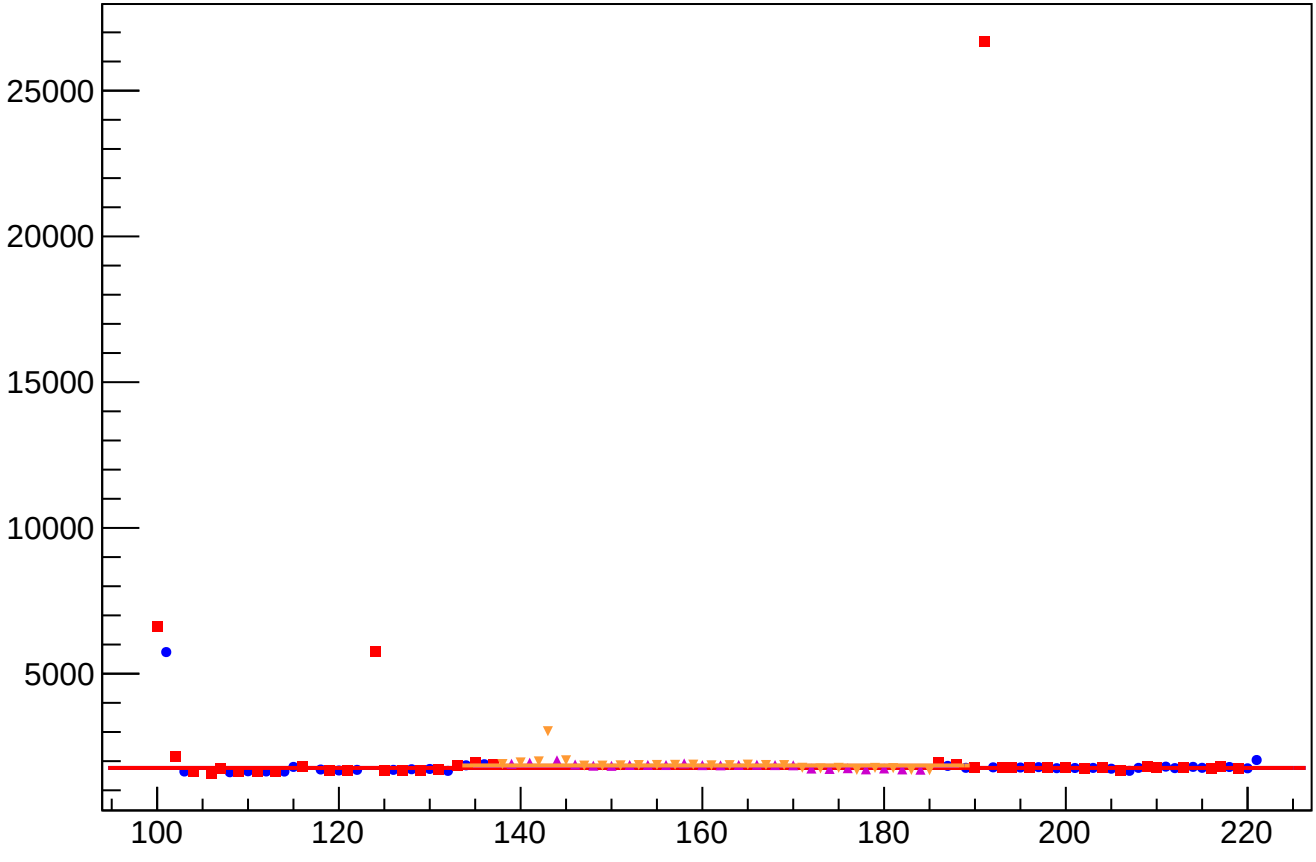
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 436.883+/-284.376 χ^2/NDF: 74.0/58

All: 312.894+/-202.224 χ^2/NDF: 123.2/118

- sign 186.053+/-287.627 χ^2/NDF: 48.9/59

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1766.367+/-0.272 χ^2/NDF: 695933.6/33

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.423+/-0.273 χ^2/NDF: 647268.7/36

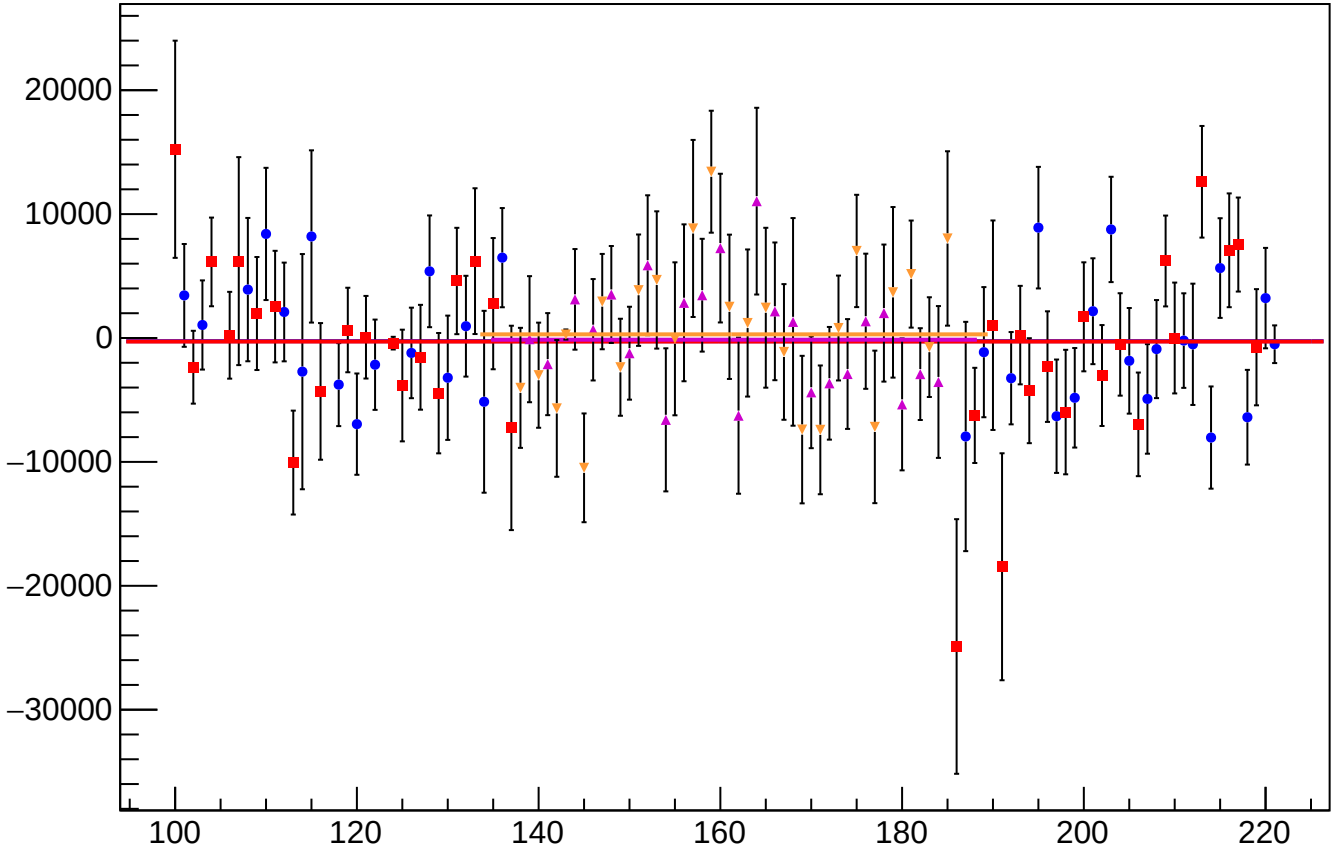
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.388+/-0.201 χ^2/NDF: 1062470.5/58

All: 1802.320+/-0.143 χ^2/NDF: 1808984.8/11

- sign 1799.191+/-0.203 χ^2/NDF: 746044.1/59

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -257.893+/-679.094 χ^2/NDF: 38.4/33

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -284.591+/-420.925 χ^2/NDF: 55.1/36

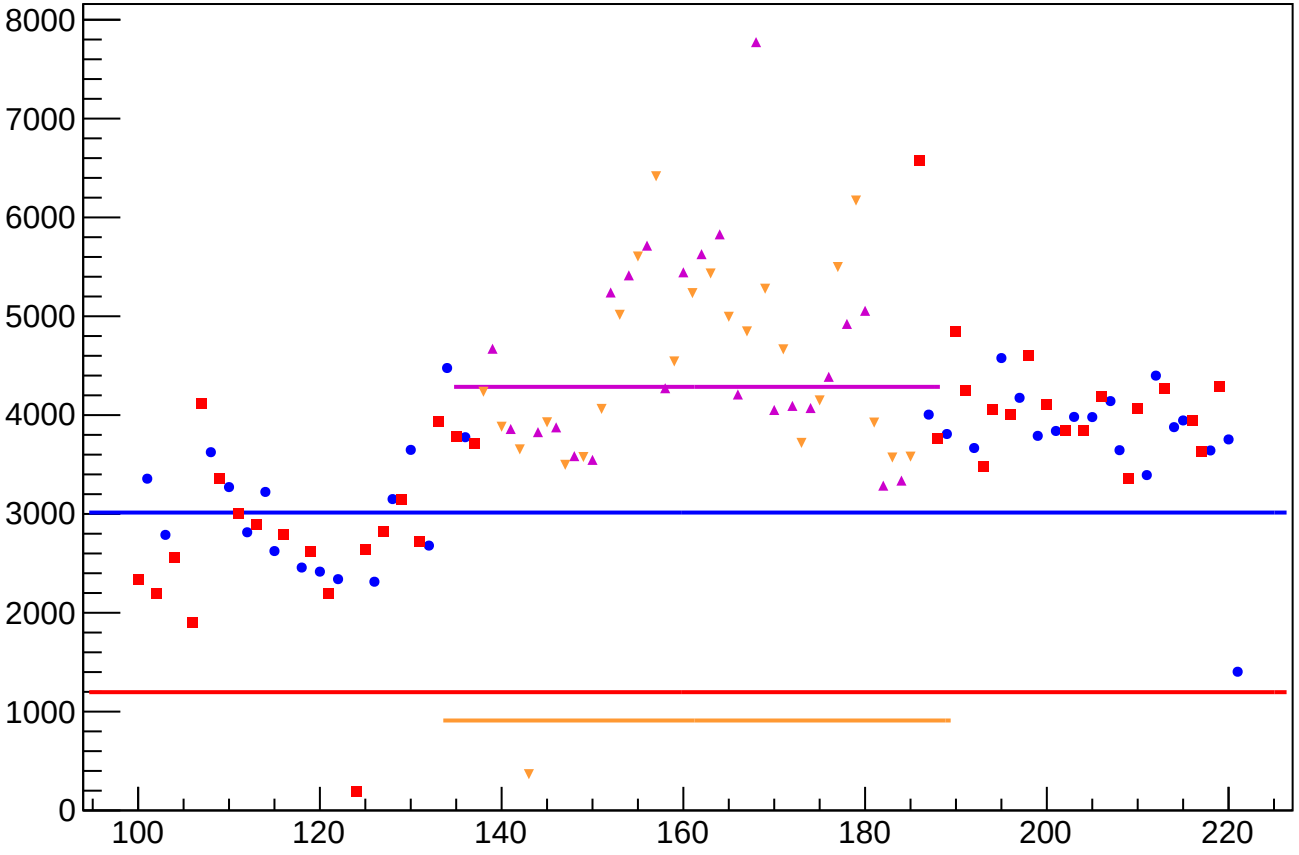
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 162.750+/-331.561 χ^2/NDF: 68.9/58

All: -16.437+/-252.408 χ^2/NDF: 138.7/118

- sign -263.415+/-389.259 χ^2/NDF: 69.0/59

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3013.989+/-0.480 χ^2/NDF: 4234701.4/33

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1196.710+/-0.298 χ^2/NDF: 26359722.3/36

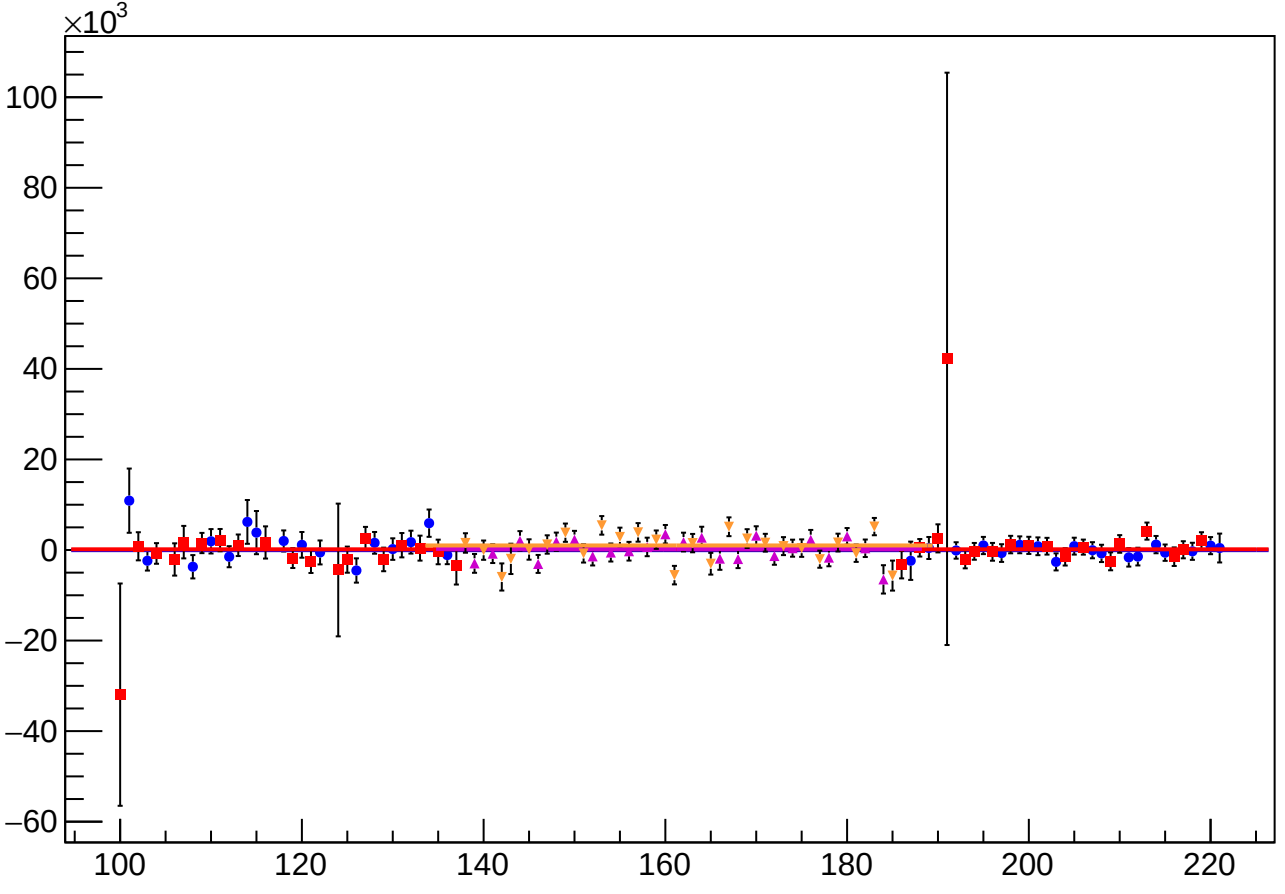
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1411.649+/-0.234 χ^2/NDF: 45628590.6/58

All: 1509.354+/-0.178 χ^2/NDF: 89327203.8/1

- sign 1644.022+/-0.275 χ^2/NDF: 43285564.5/59

cor_asym_atr1l2_dd_mean vs Slug



Right In: -32.819+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 150.930+/-387.153 χ^2/NDF: 22.5/36

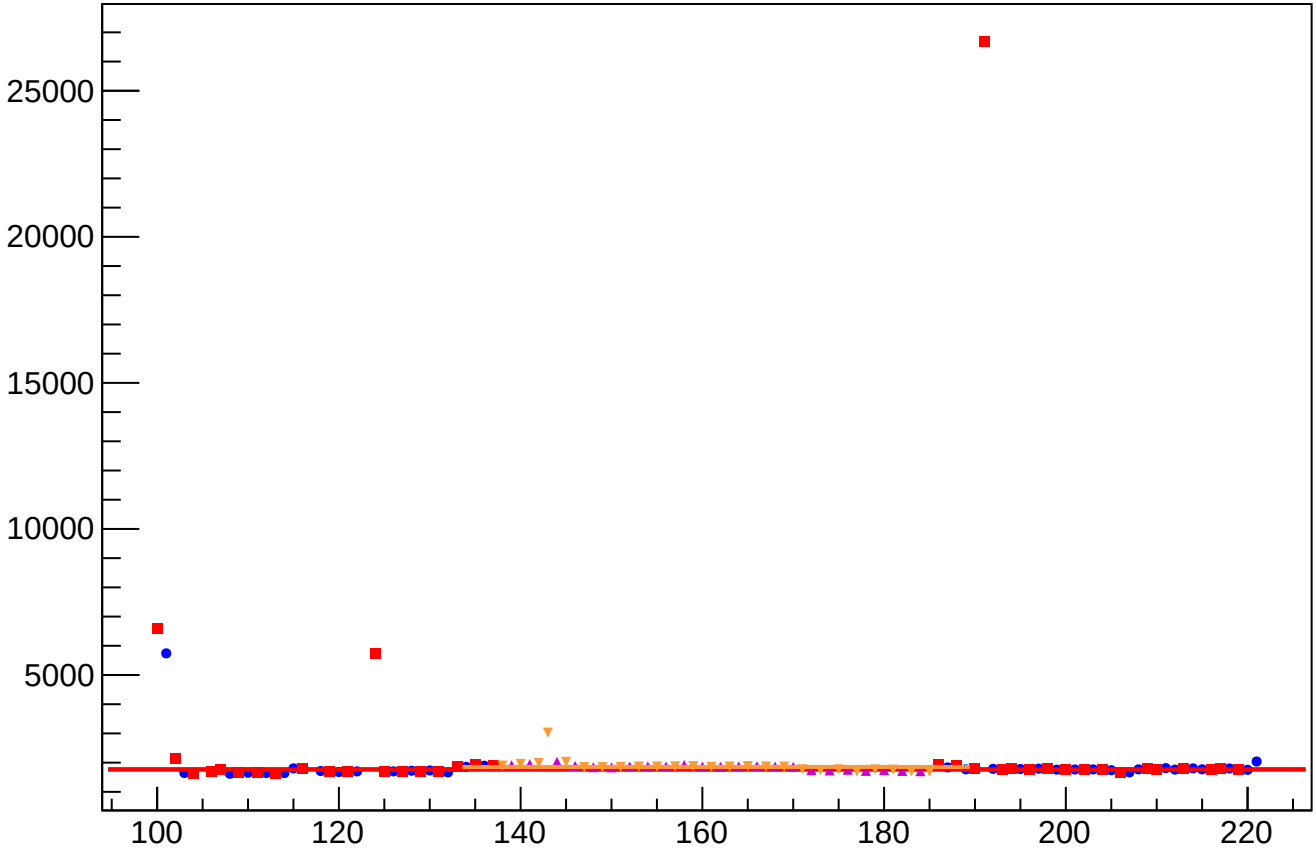
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 436.770+/-284.376 χ^2/NDF: 73.9/58

All: 312.818+/-202.224 χ^2/NDF: 123.2/118

- sign 186.016+/-287.627 χ^2/NDF: 48.9/59

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1766.366+/-0.272 χ^2/NDF: 695933.8/33

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

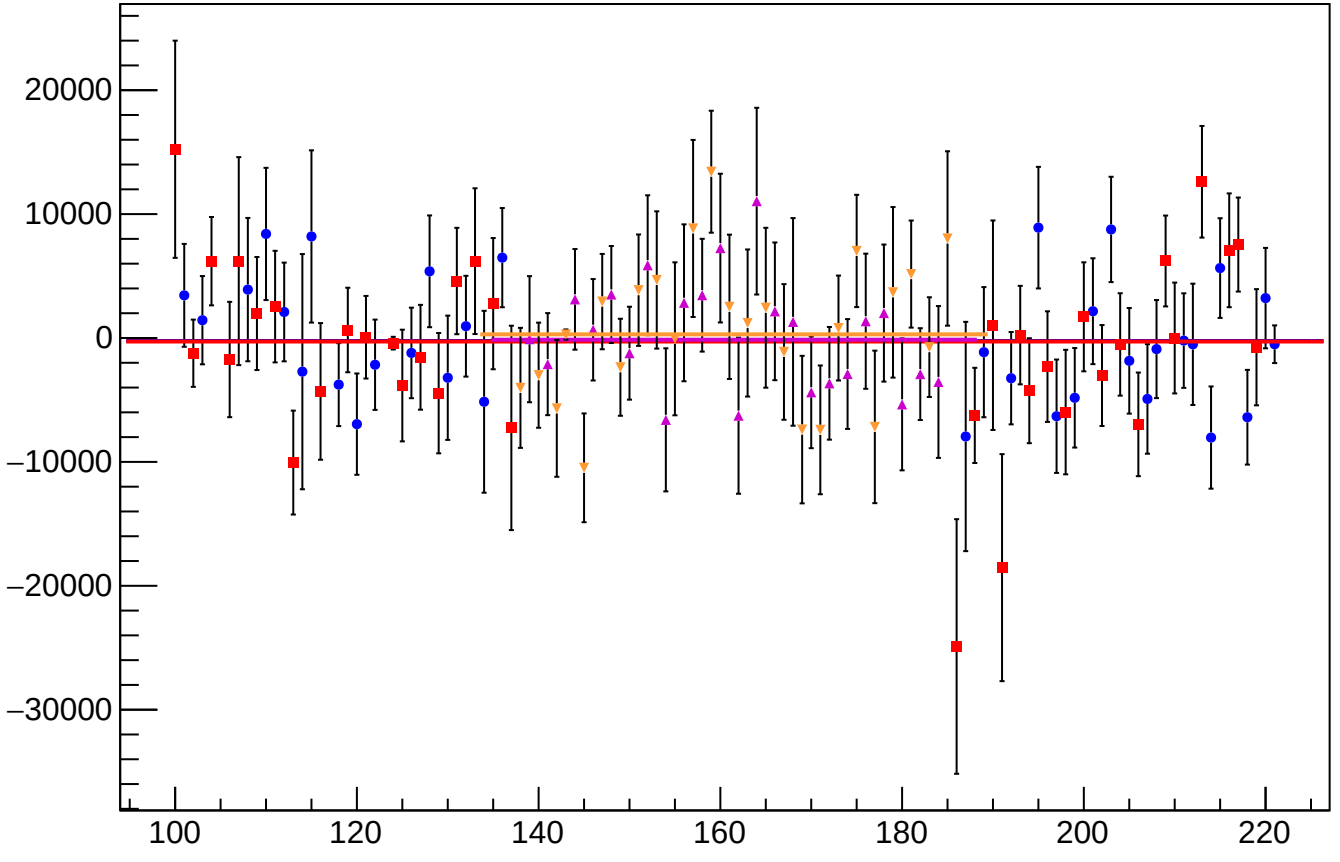
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.388+/-0.201 χ^2/NDF: 1062470.8/58

All: 1803.007+/-0.143 χ^2/NDF: 1798508.5/11

- sign 1800.574+/-0.203 χ^2/NDF: 735754.2/59

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -242.892+/-678.853 χ^2/NDF: 38.5/33

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -282.548+/-421.635 χ^2/NDF: 54.9/36

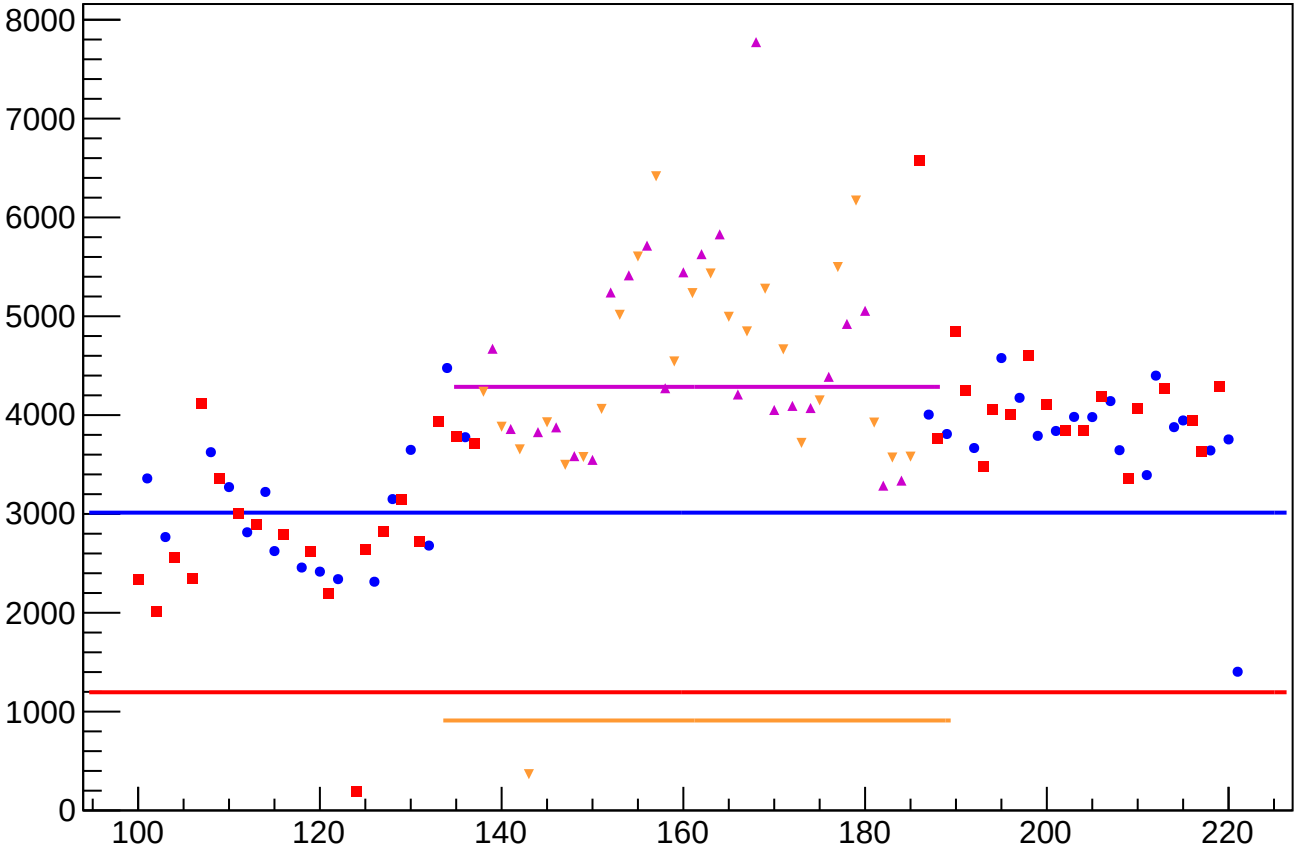
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 166.928+/-331.553 χ^2/NDF: 69.0/58

All: -12.945+/-252.557 χ^2/NDF: 138.6/118

- sign -261.597+/-389.820 χ^2/NDF: 68.8/59

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3013.086+/-0.480 χ^2/NDF: 4236585.4/33

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

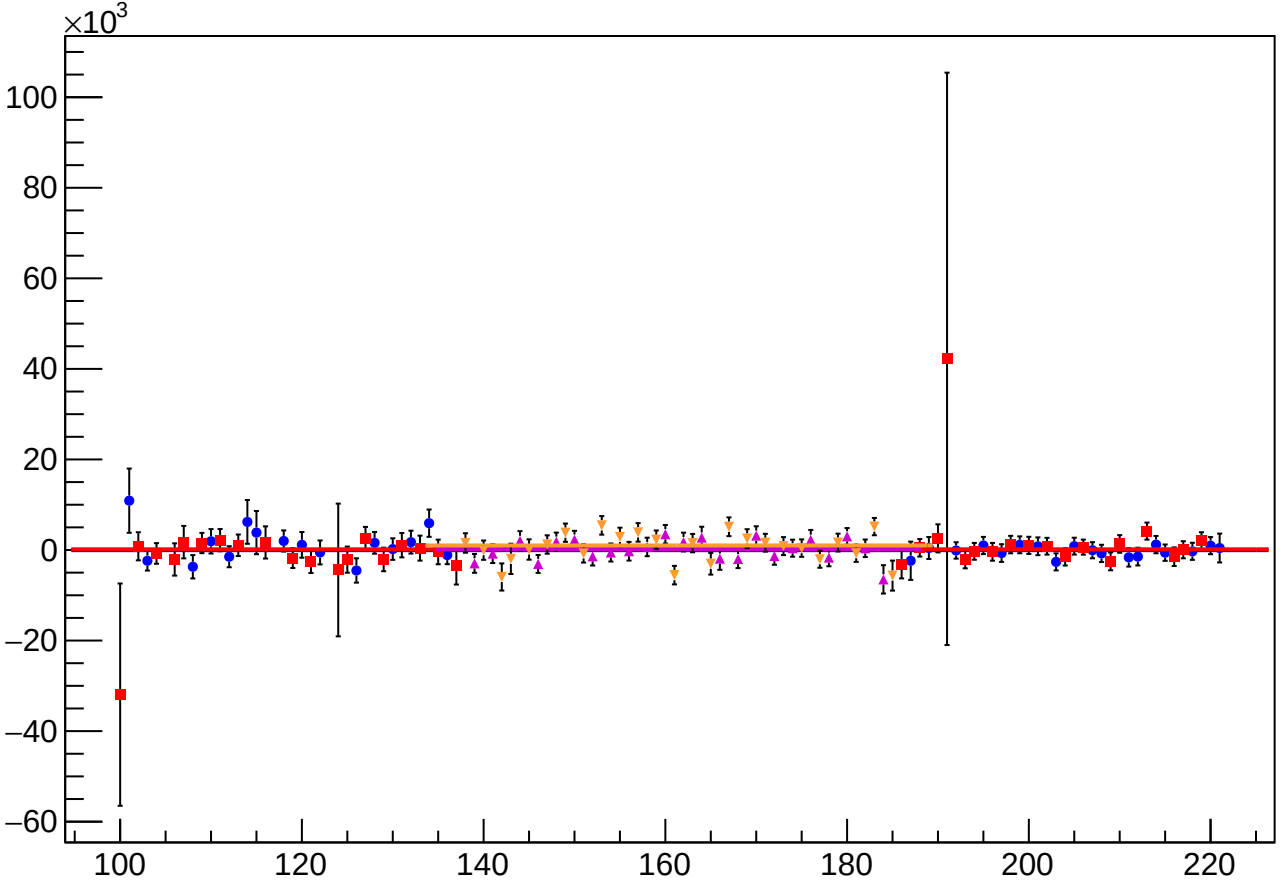
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1411.854+/-0.234 χ^2/NDF: 45622484.3/58

All: 1509.536+/-0.179 χ^2/NDF: 89299526.4/1

- sign 1644.568+/-0.276 χ^2/NDF: 43263458.5/59

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -32.819+/-384.453 χ^2/NDF: 23.3/33

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 150.930+/-387.153 χ^2/NDF: 22.5/36

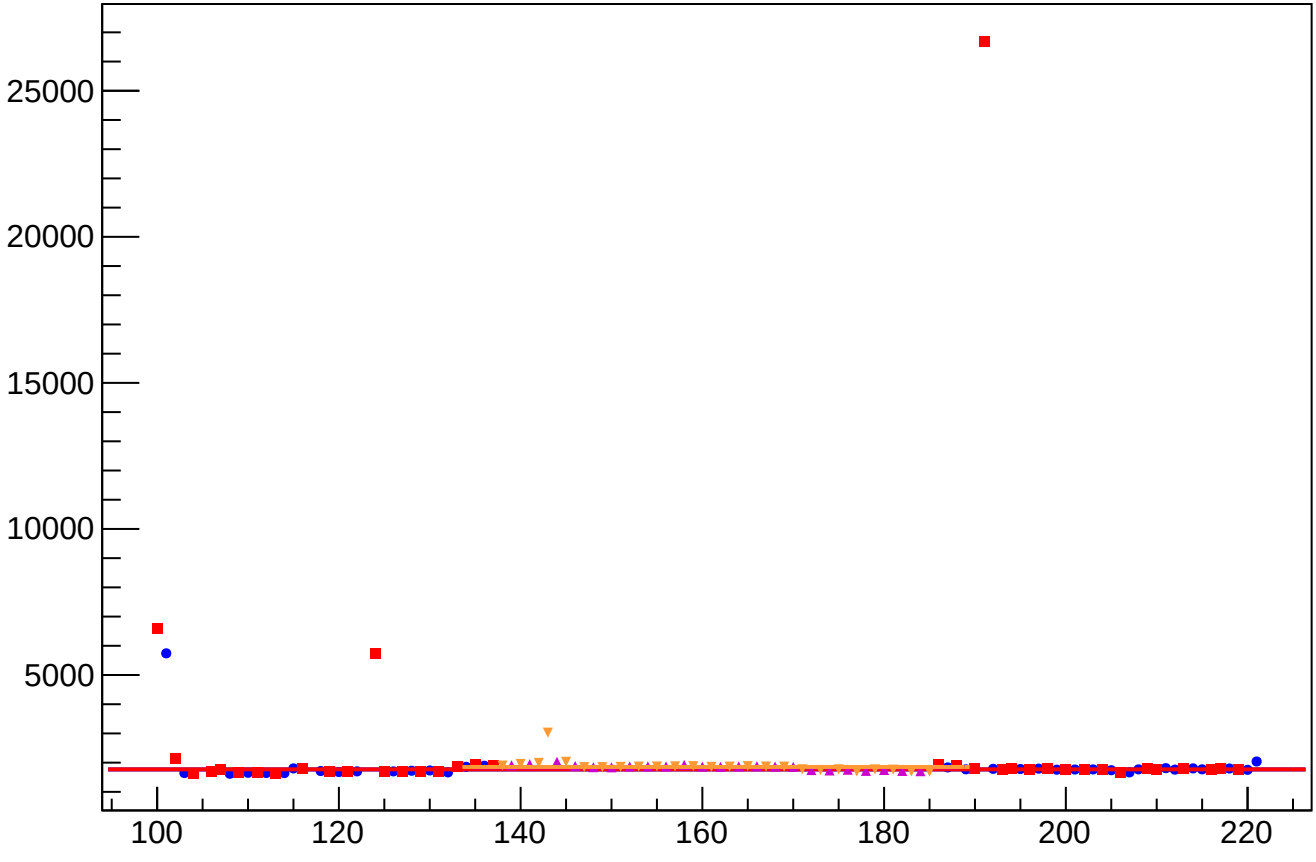
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 436.770+/-284.376 χ^2/NDF: 73.9/58

All: 312.818+/-202.224 χ^2/NDF: 123.2/118

- sign 186.016+/-287.627 χ^2/NDF: 48.9/59

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1766.366+/-0.272 χ^2/NDF: 695933.8/33

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

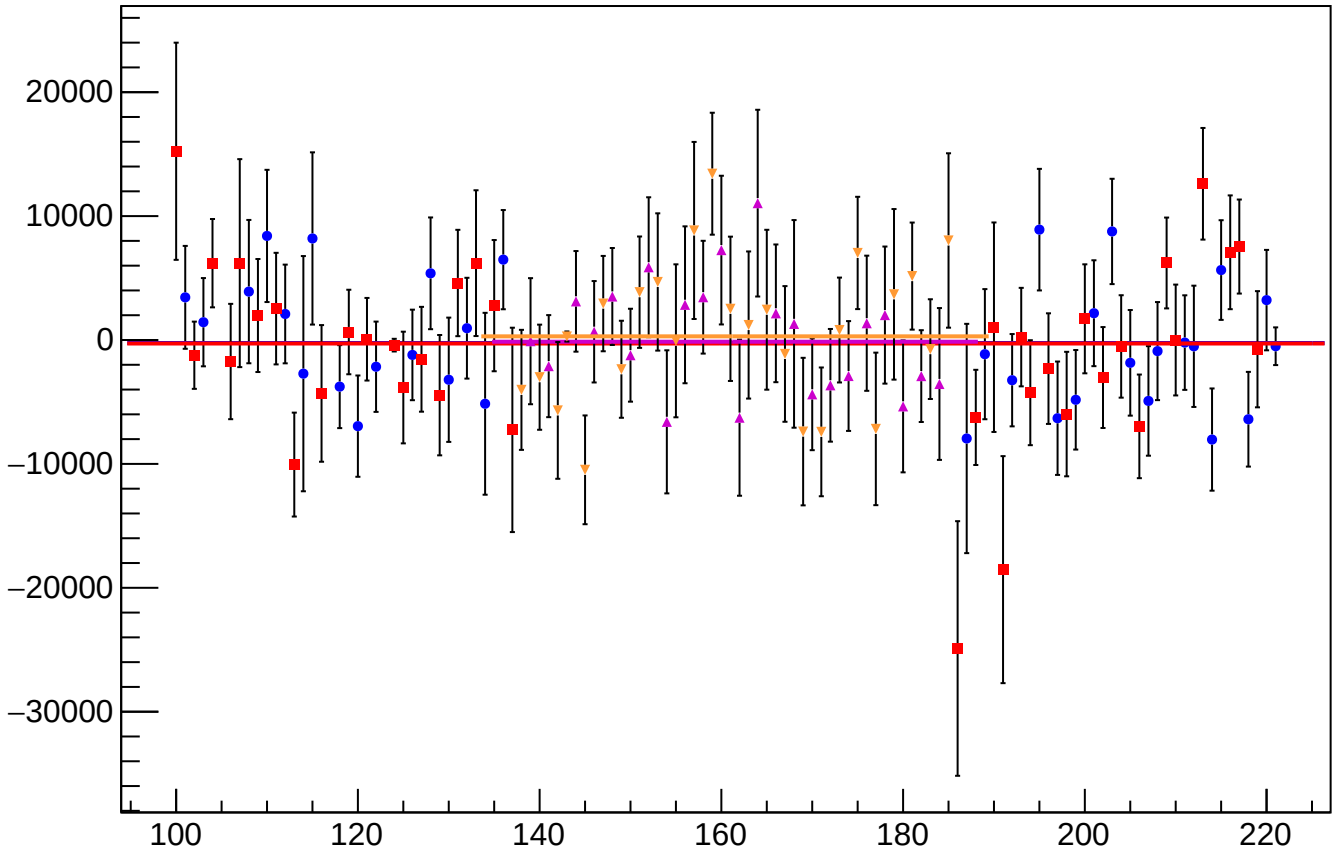
Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.388+/-0.201 χ^2/NDF: 1062470.8/58

All: 1803.007+/-0.143 χ^2/NDF: 1798508.5/11

- sign 1800.574+/-0.203 χ^2/NDF: 735754.2/59



Right In: -242.892+/-678.853 χ^2/NDF: 38.5/33

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -282.548+/-421.635 χ^2/NDF: 54.9/36

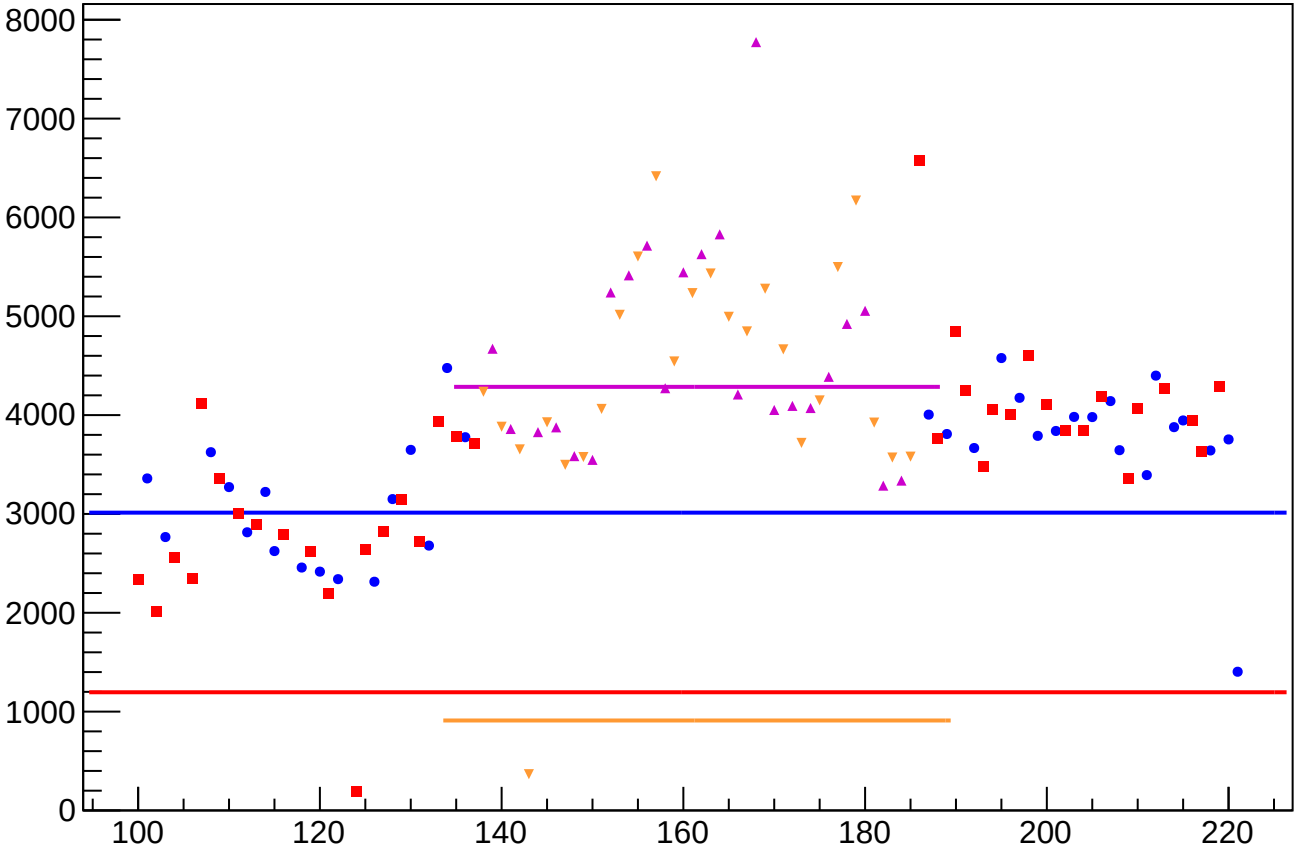
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 166.928+/-331.553 χ^2/NDF: 69.0/58

All: -12.945+/-252.557 χ^2/NDF: 138.6/118

- sign -261.597+/-389.820 χ^2/NDF: 68.8/59

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3013.086+/-0.480 χ^2/NDF: 4236585.4/33

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

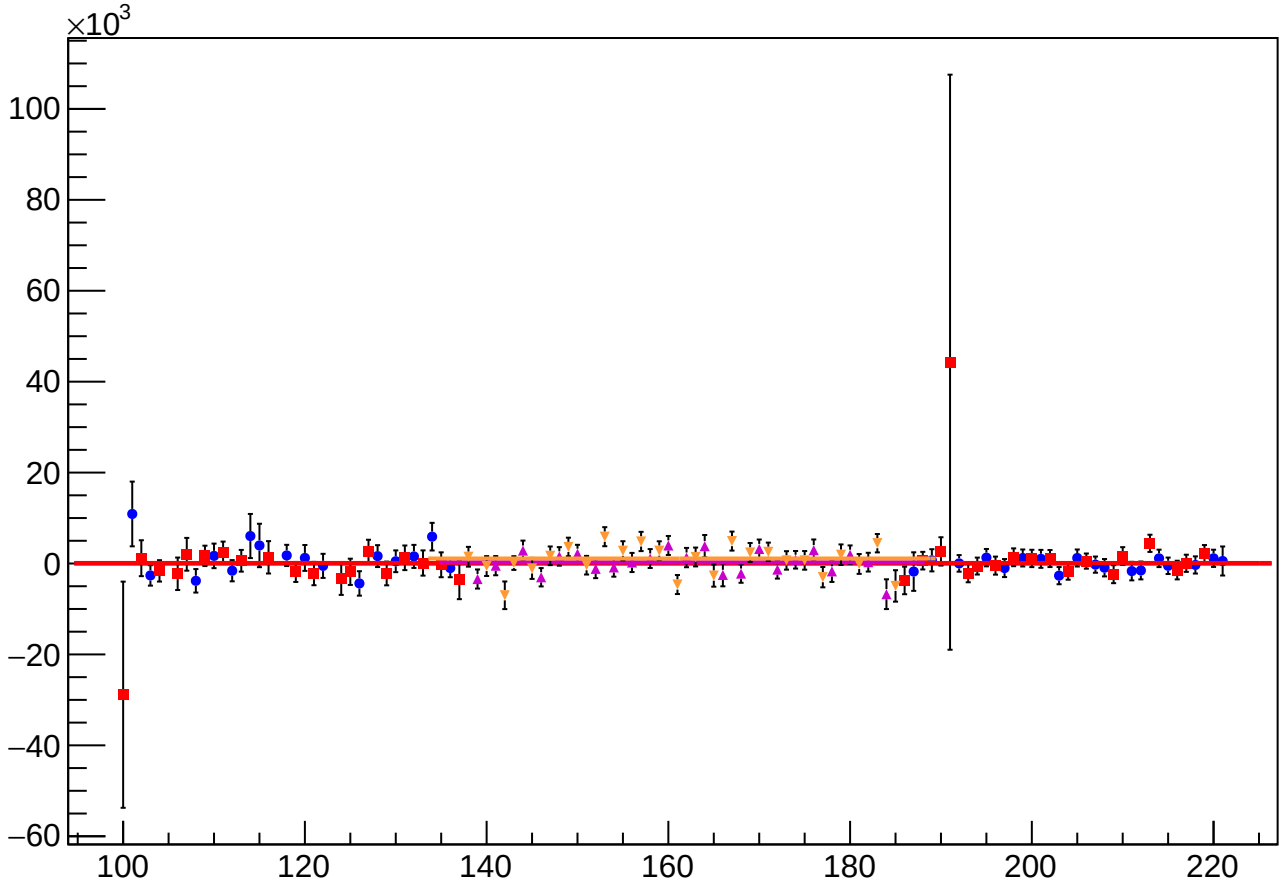
Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1411.854+/-0.234 χ^2/NDF: 45622484.3/58

All: 1509.536+/-0.179 χ^2/NDF: 89299526.4/1

- sign 1644.568+/-0.276 χ^2/NDF: 43263458.5/59



Right In: -8.410+/-386.409 χ^2/NDF: 23.8/33

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 123.105+/-388.217 χ^2/NDF: 25.1/36

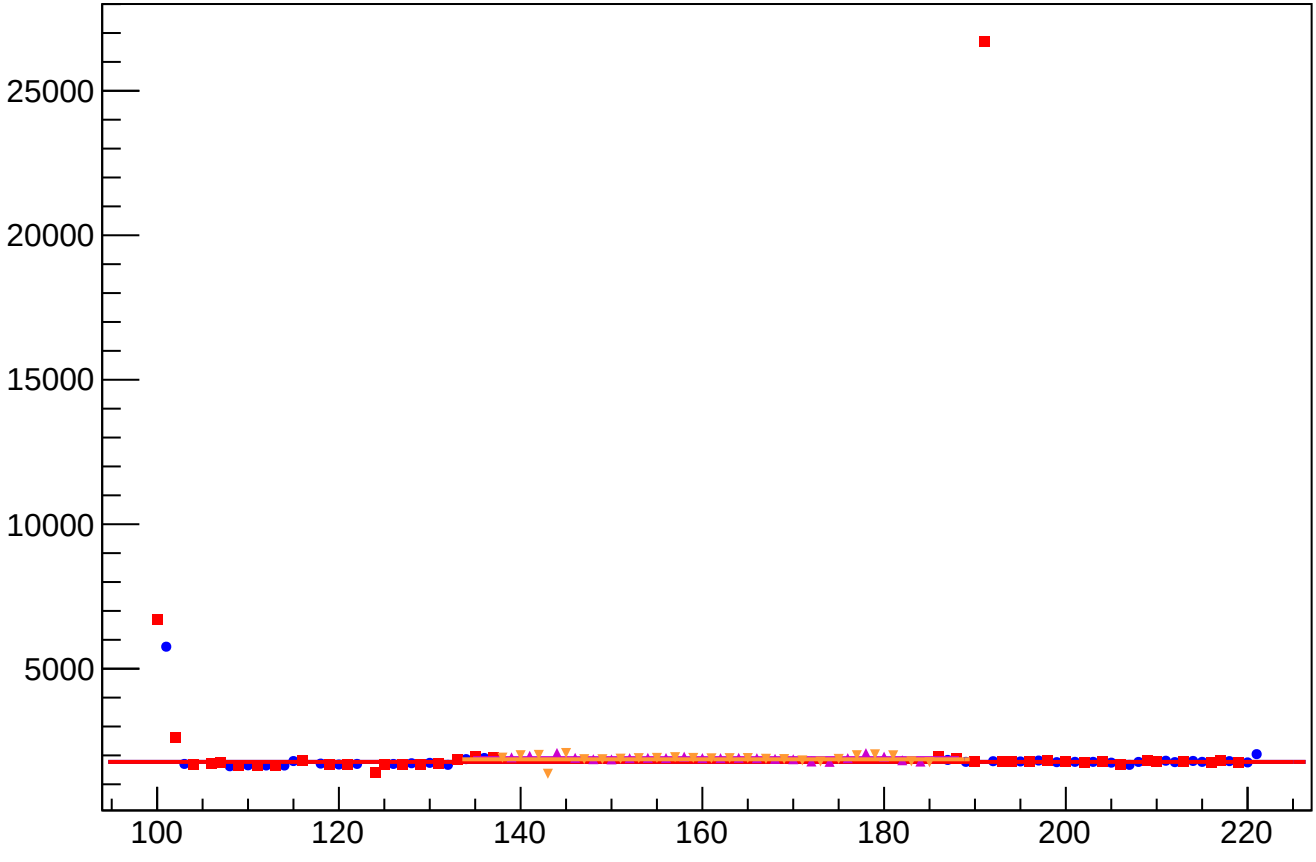
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

\+ sign 494.279+/-286.002 χ^2/NDF: 72.3/58

All: 342.798+/-204.540 χ^2/NDF: 125.7/118

\- sign 184.203+/-292.640 χ^2/NDF: 52.9/59

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1775.380+/-0.273 χ^2/NDF: 693838.7/33

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

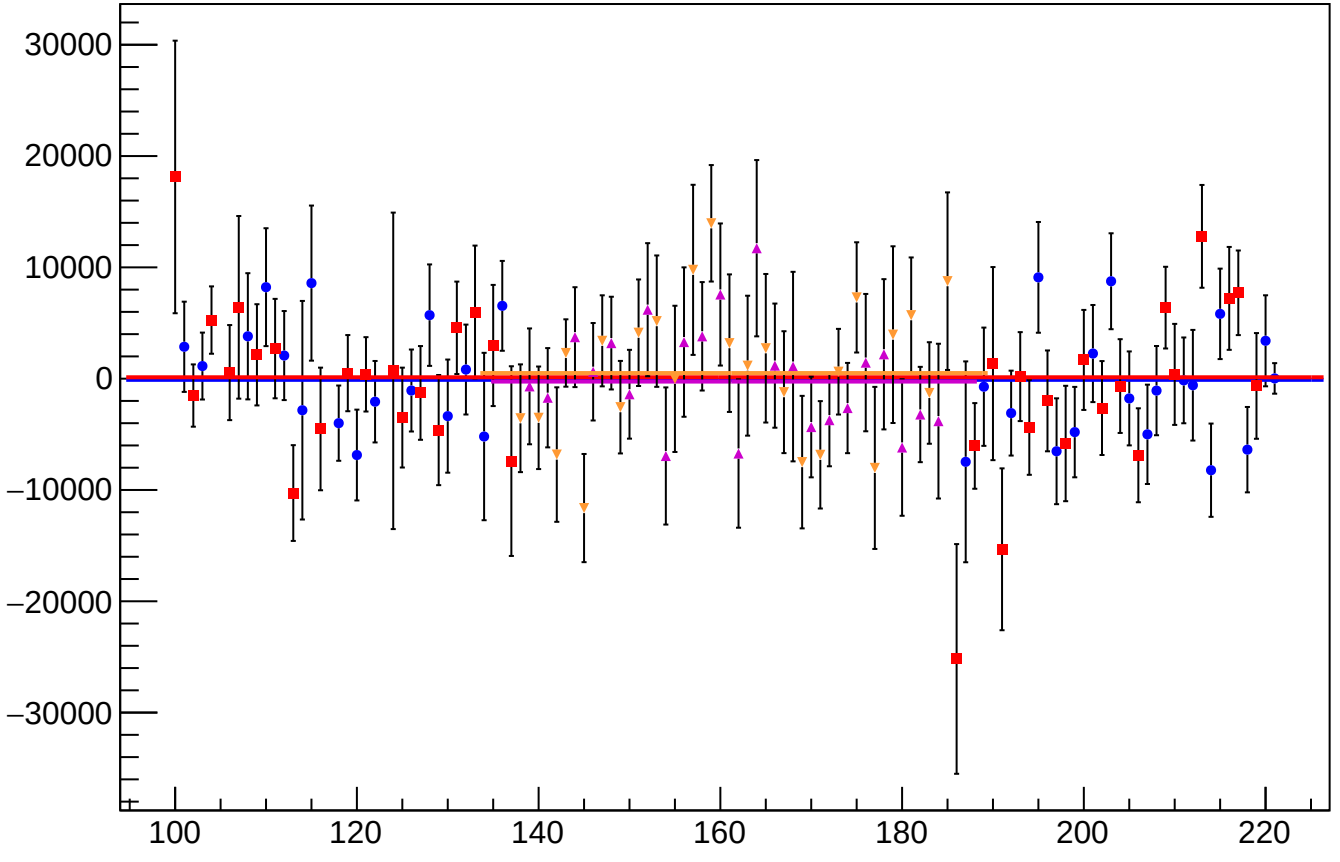
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1815.832+/-0.202 χ^2/NDF: 1037024.7/58

All: 1823.331+/-0.145 χ^2/NDF: 1761681.7/11

- sign 1831.173+/-0.207 χ^2/NDF: 721843.8/59

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -105.257+/-662.810 χ^2/NDF: 38.4/33

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 124.277+/-741.208 χ^2/NDF: 53.8/36

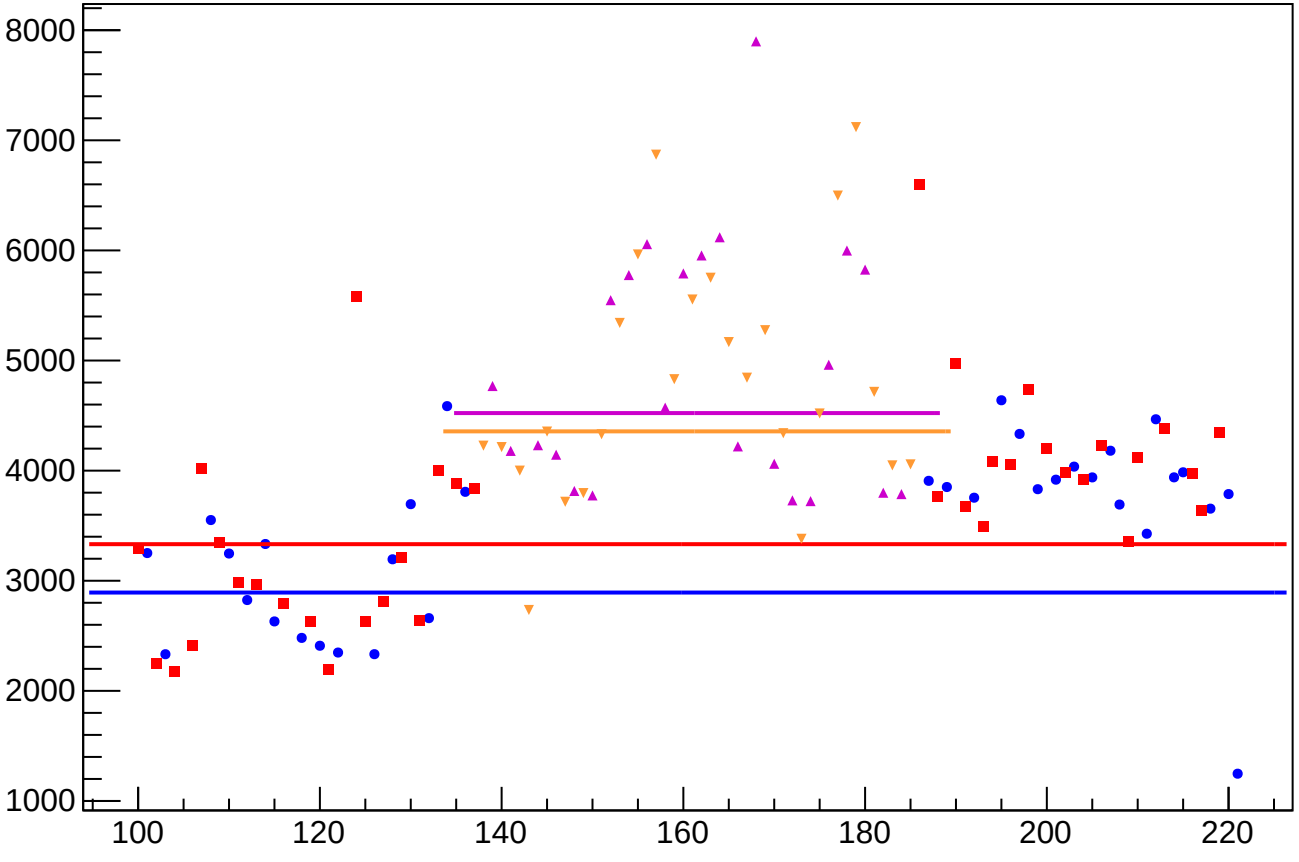
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 75.285+/-556.048 χ^2/NDF: 68.7/58

All: 41.707+/-411.360 χ^2/NDF: 136.2/118

- sign 1.114+/-611.381 χ^2/NDF: 67.5/59

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2892.883+/-0.469 χ^2/NDF: 5454994.6/33

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3332.226+/-0.524 χ^2/NDF: 2424628.2/36

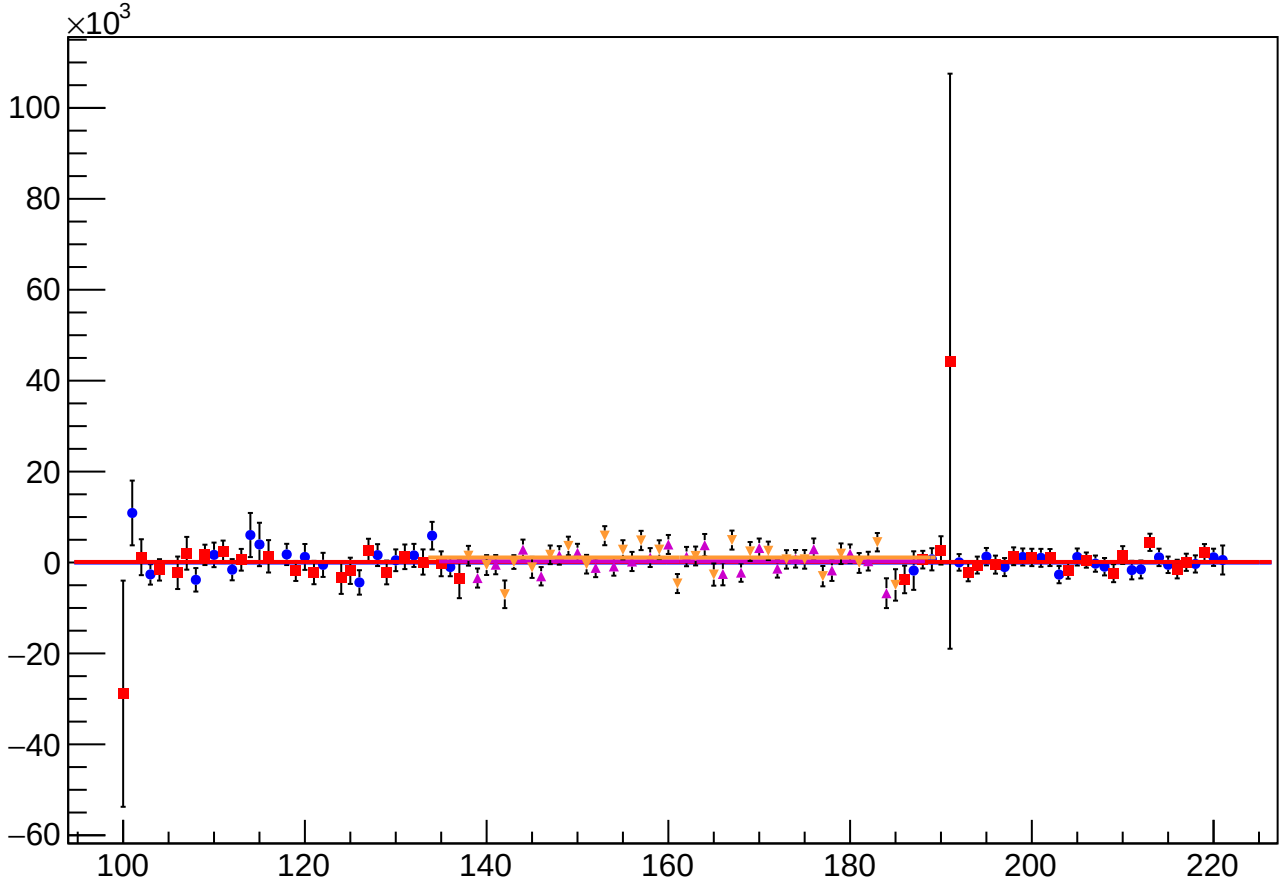
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3326.455+/-0.393 χ^2/NDF: 10256556.0/58

All: 3501.342+/-0.291 χ^2/NDF: 16201525.2/1

- sign 3712.767+/-0.432 χ^2/NDF: 5507949.7/59

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -8.411+/-386.409 χ^2/NDF: 23.8/33

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 123.104+/-388.217 χ^2/NDF: 25.1/36

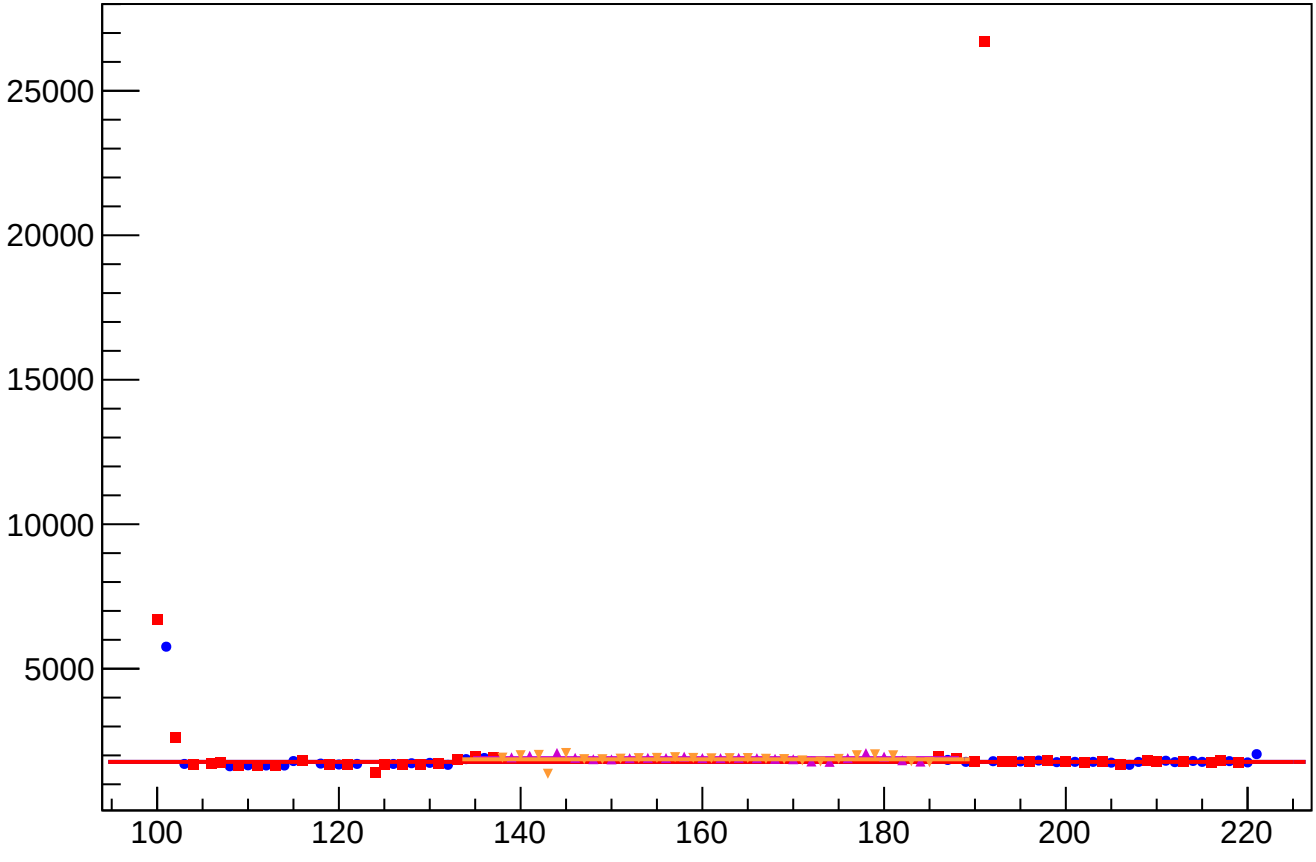
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 494.279+/-286.002 χ^2/NDF: 72.3/58

All: 342.798+/-204.540 χ^2/NDF: 125.7/118

- sign 184.203+/-292.640 χ^2/NDF: 52.9/59

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1775.380+/-0.273 χ^2/NDF: 693838.7/33

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

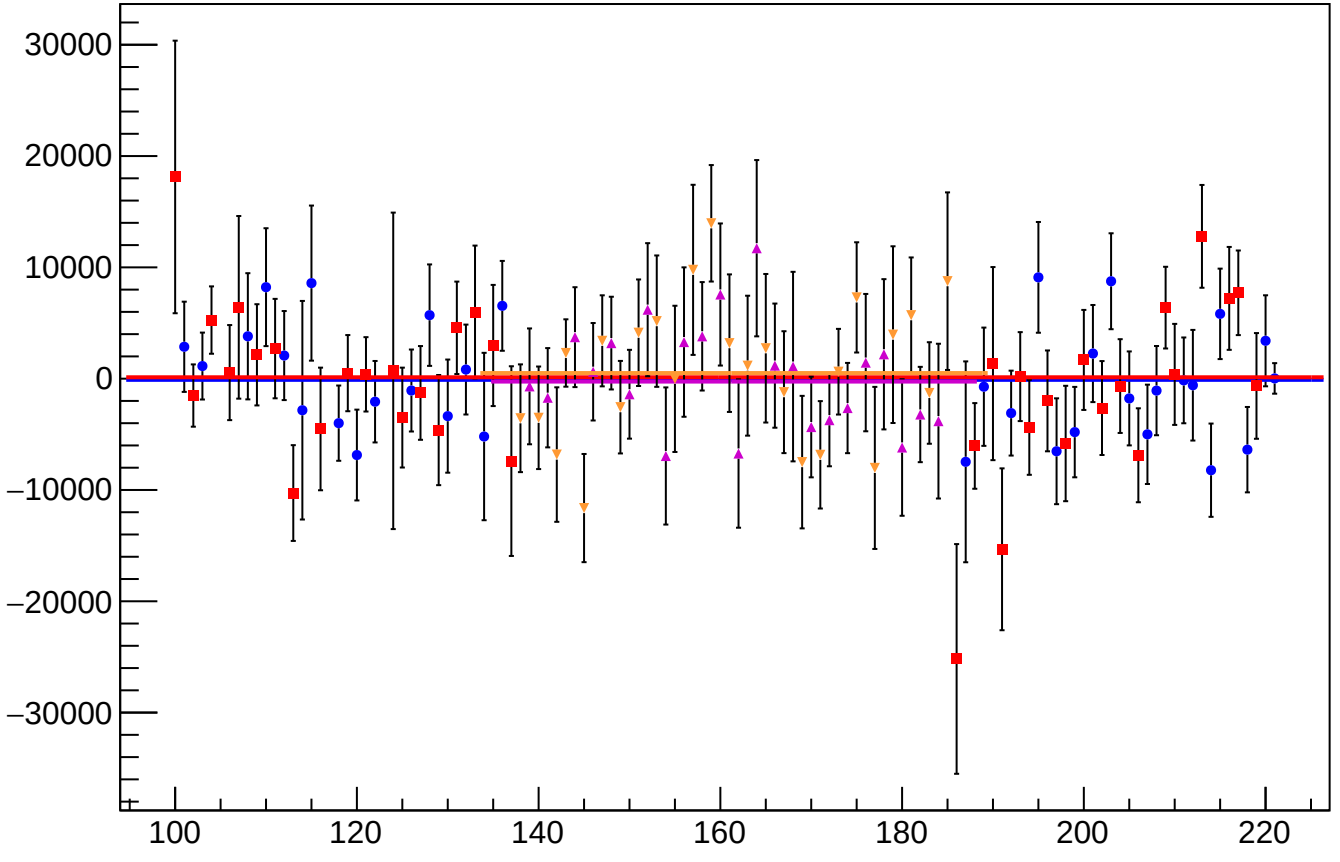
Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1815.832+/-0.202 χ^2/NDF: 1037029.0/58

All: 1823.332+/-0.145 χ^2/NDF: 1761689.7/11

- sign 1831.174+/-0.207 χ^2/NDF: 721847.5/59

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug



Right In: -105.253+/-662.811 χ^2/NDF: 38.4/33

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

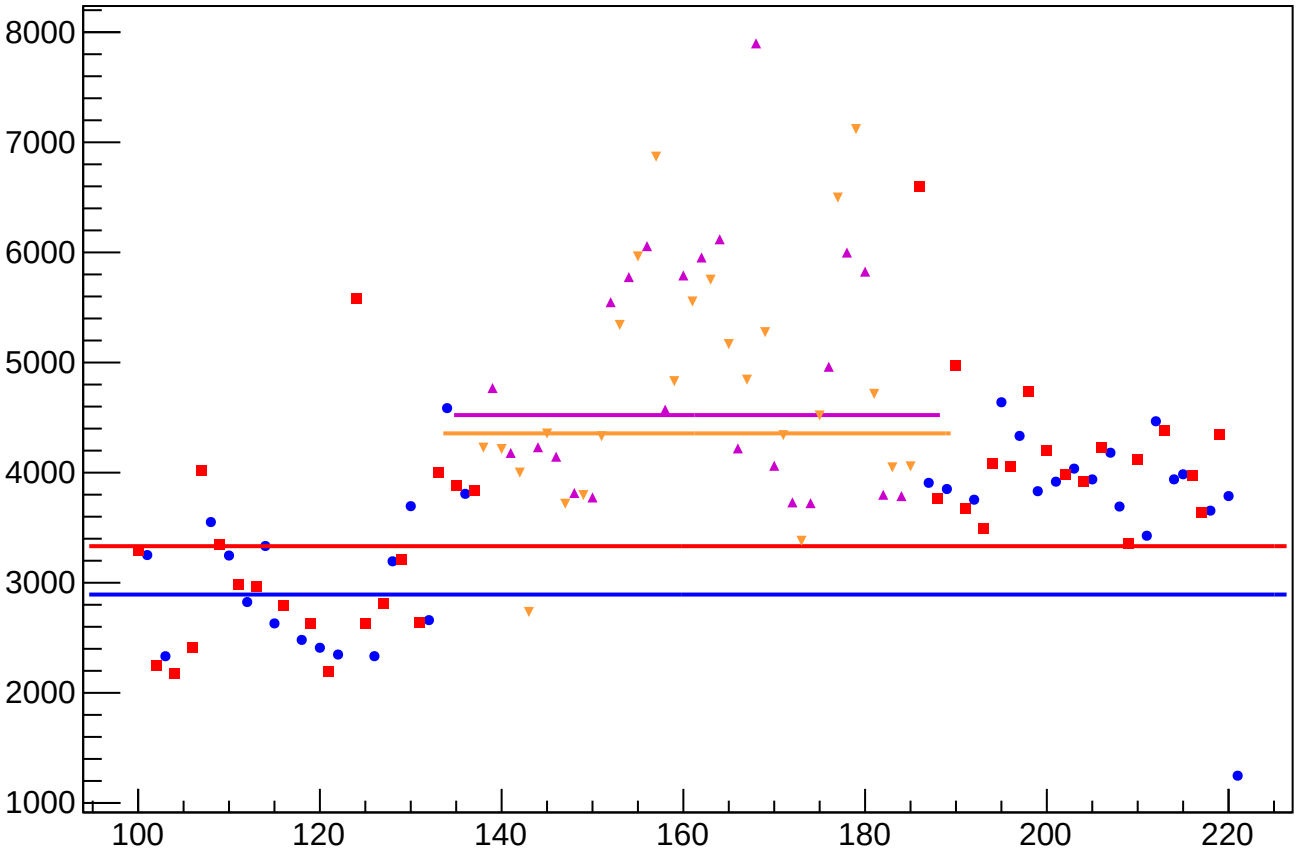
Right Out: 124.281+/-741.208 χ^2/NDF: 53.8/36

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 75.289+/-556.049 χ^2/NDF: 68.7/58

All: 41.710+/-411.360 χ^2/NDF: 136.2/118

- sign 1.117+/-611.382 χ^2/NDF: 67.5/59



Right In: 2892.889+/-0.469 χ^2/NDF: 5454952.0/33

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3332.223+/-0.524 χ^2/NDF: 2424650.1/36

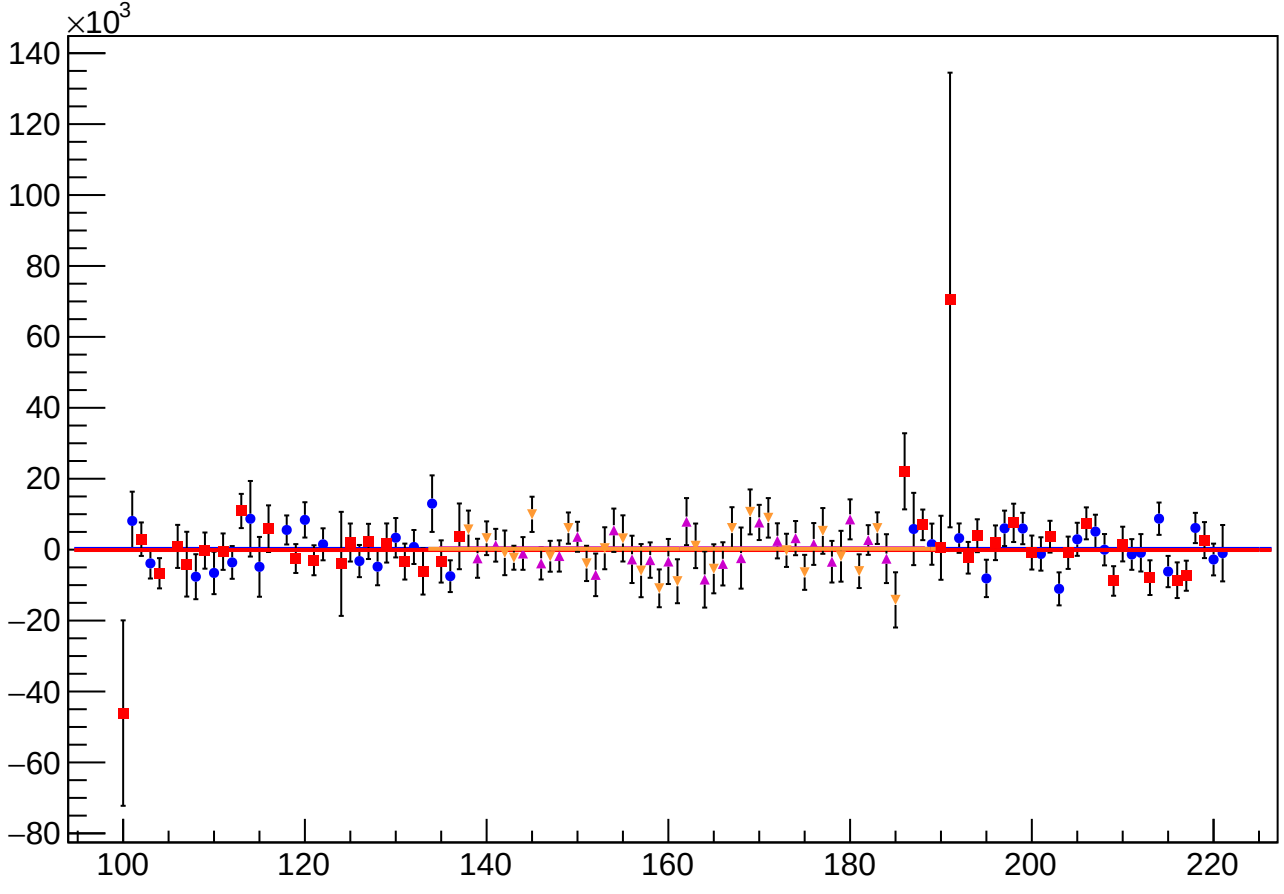
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3326.461+/-0.393 χ^2/NDF: 10256512.2/58

All: 3501.345+/-0.291 χ^2/NDF: 16201514.3/1

- sign 3712.767+/-0.432 χ^2/NDF: 5507998.7/59

asym_atr1l2_dd_mean vs Slug



Right In: 206.861+/-865.659 χ^2/NDF: 40.0/33

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -103.468+/-867.791 χ^2/NDF: 43.3/36

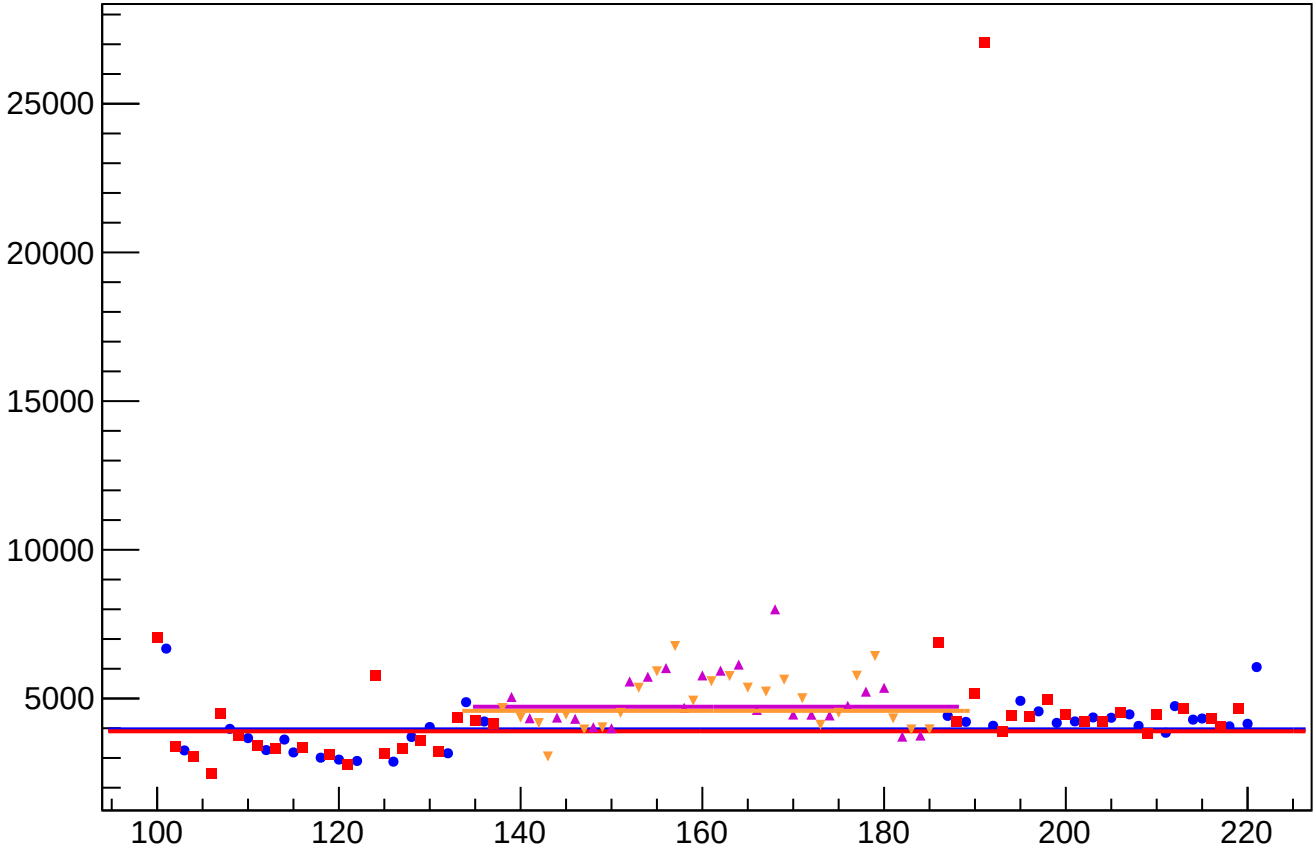
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 220.022+/-671.654 χ^2/NDF: 72.2/58

All: 153.636+/-480.019 χ^2/NDF: 129.9/118

\- sign 84.327+/-686.281 χ^2/NDF: 57.7/59

asym_atr1l2_dd_rms vs Slug



Right In: 3962.099+/-0.612 χ^2/NDF: 1234650.2/33

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

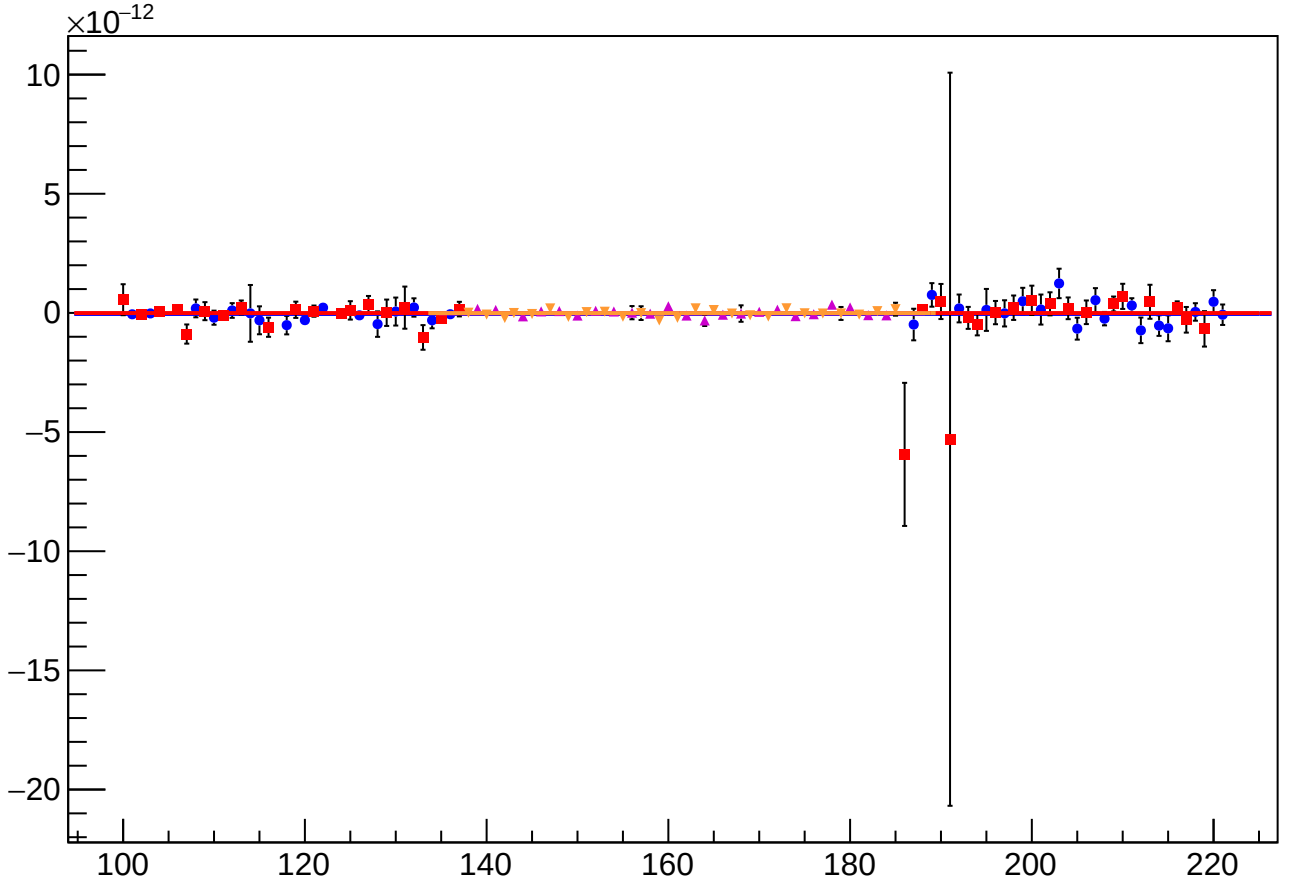
Right Out: 3896.966+/-0.610 χ^2/NDF: 1571636.1/36

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

\+ sign 4209.878+/-0.475 χ^2/NDF: 2958076.3/58

All: 4206.920+/-0.339 χ^2/NDF: 6228544.1/11

\- sign 4203.856+/-0.483 χ^2/NDF: 3270388.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

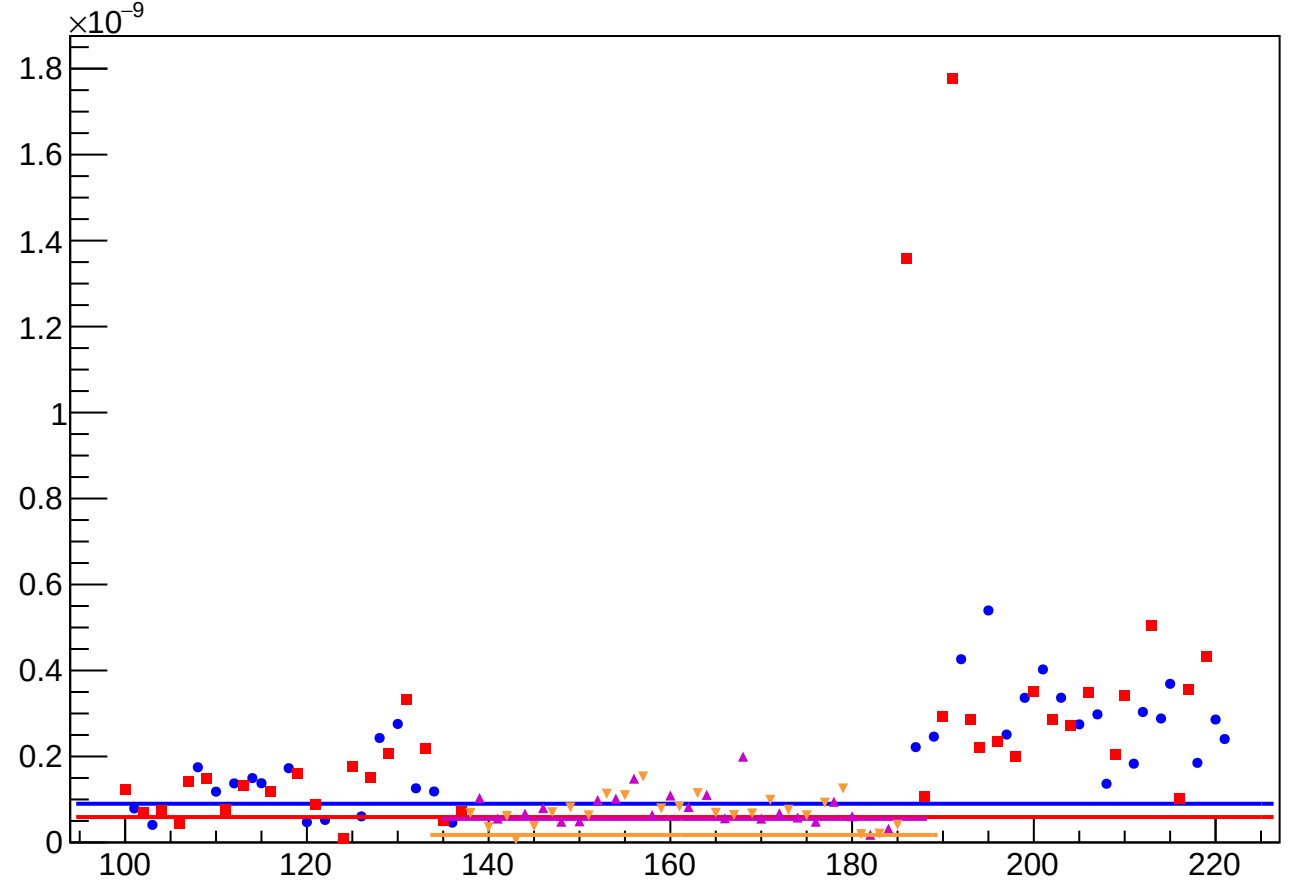
Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/36

Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.9/58

All: -0.000+/-0.000 χ^2/NDF: 109.3/118

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 7868734.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536055.8/36

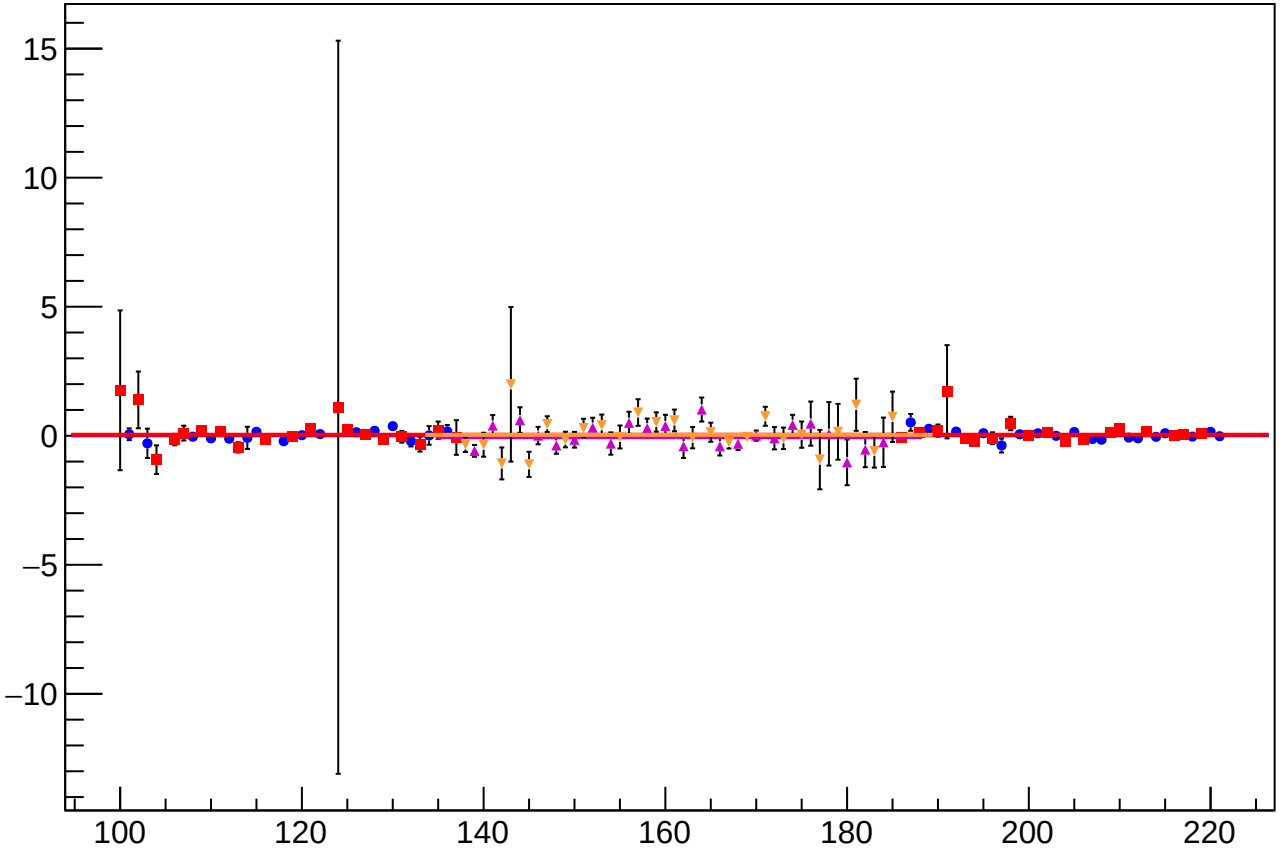
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 22510860.2/58

All: 0.000+/-0.000 χ^2/NDF: 40399266.4/118

- sign 0.000+/-0.000 χ^2/NDF: 13356439.0/59

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

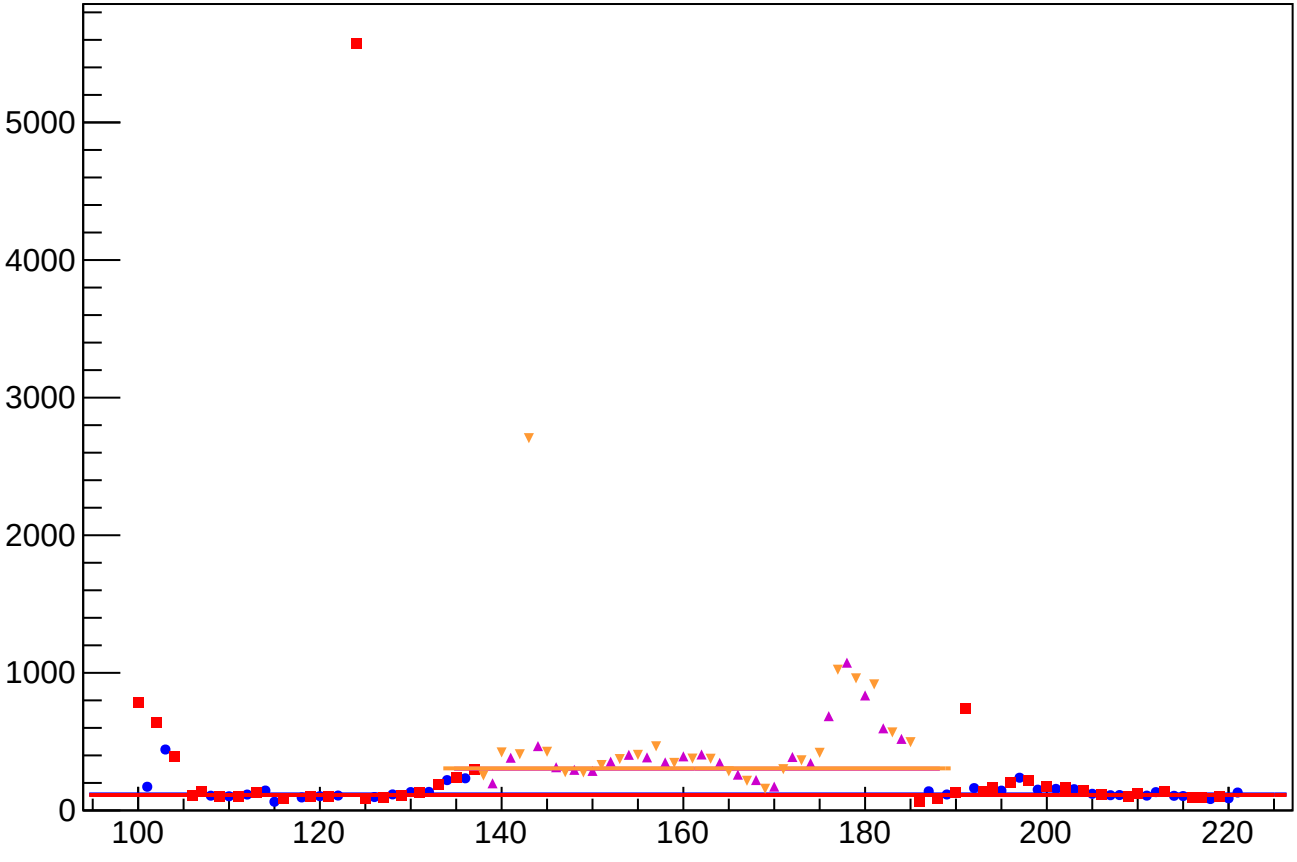
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 127.9/118

- sign 0.029+/-0.025 χ^2/NDF: 69.2/59

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.599+/-0.019 χ^2/NDF: 3169091.9/33

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

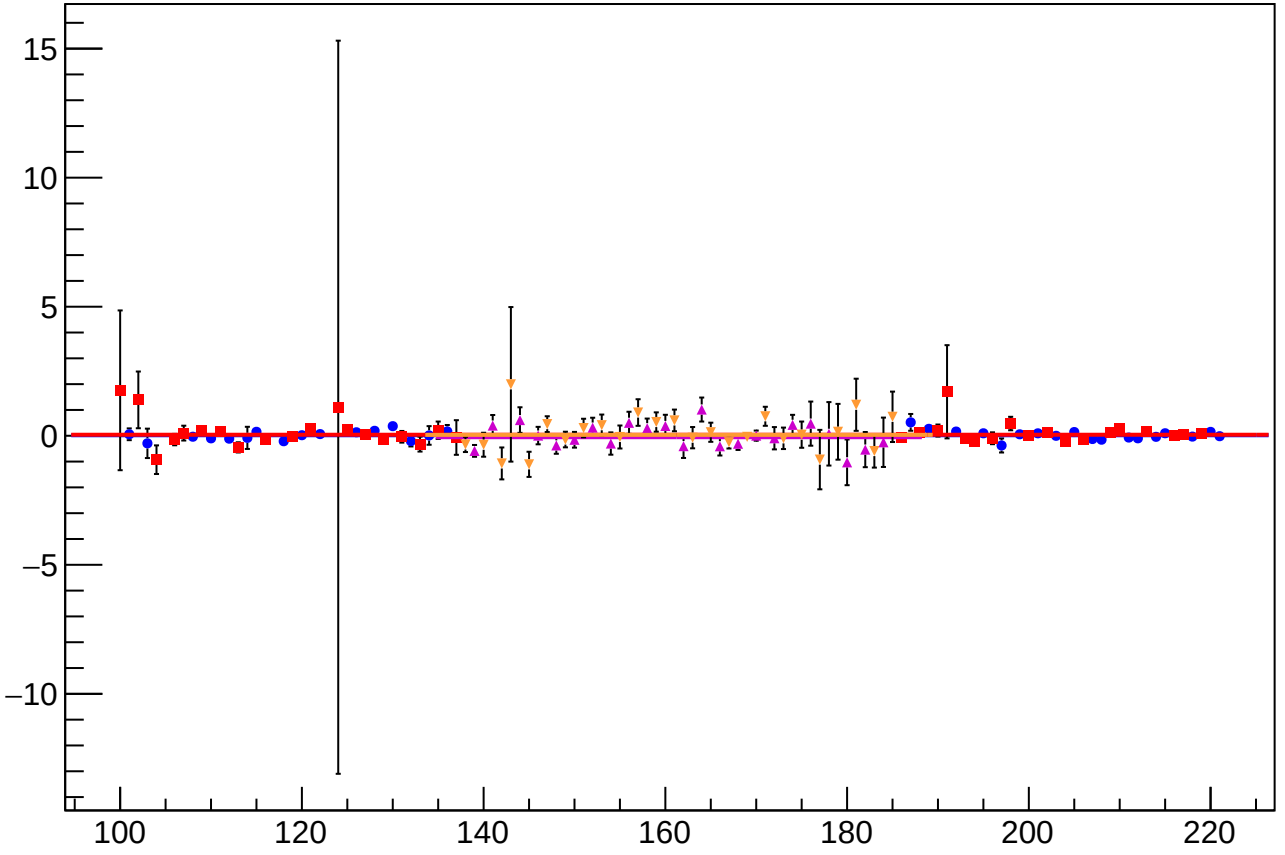
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 136.615+/-0.018 χ^2/NDF: 20361401.7/58

All: 134.764+/-0.013 χ^2/NDF: 40746182.6/11

- sign 132.914+/-0.018 χ^2/NDF: 20363445.5/59

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

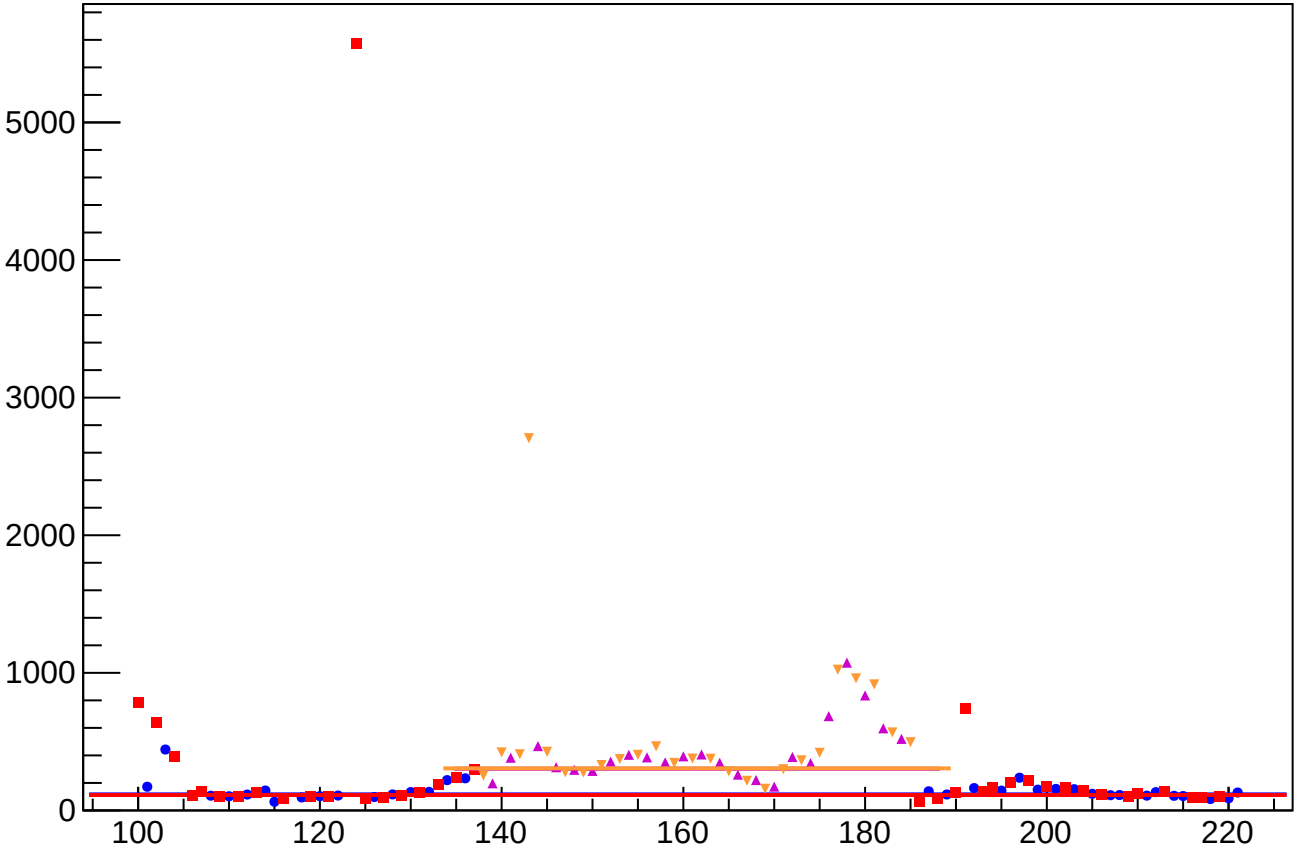
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 127.9/118

- sign 0.029+/-0.025 χ^2/NDF: 69.2/59

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.599+/-0.019 χ^2/NDF: 3169091.9/33

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

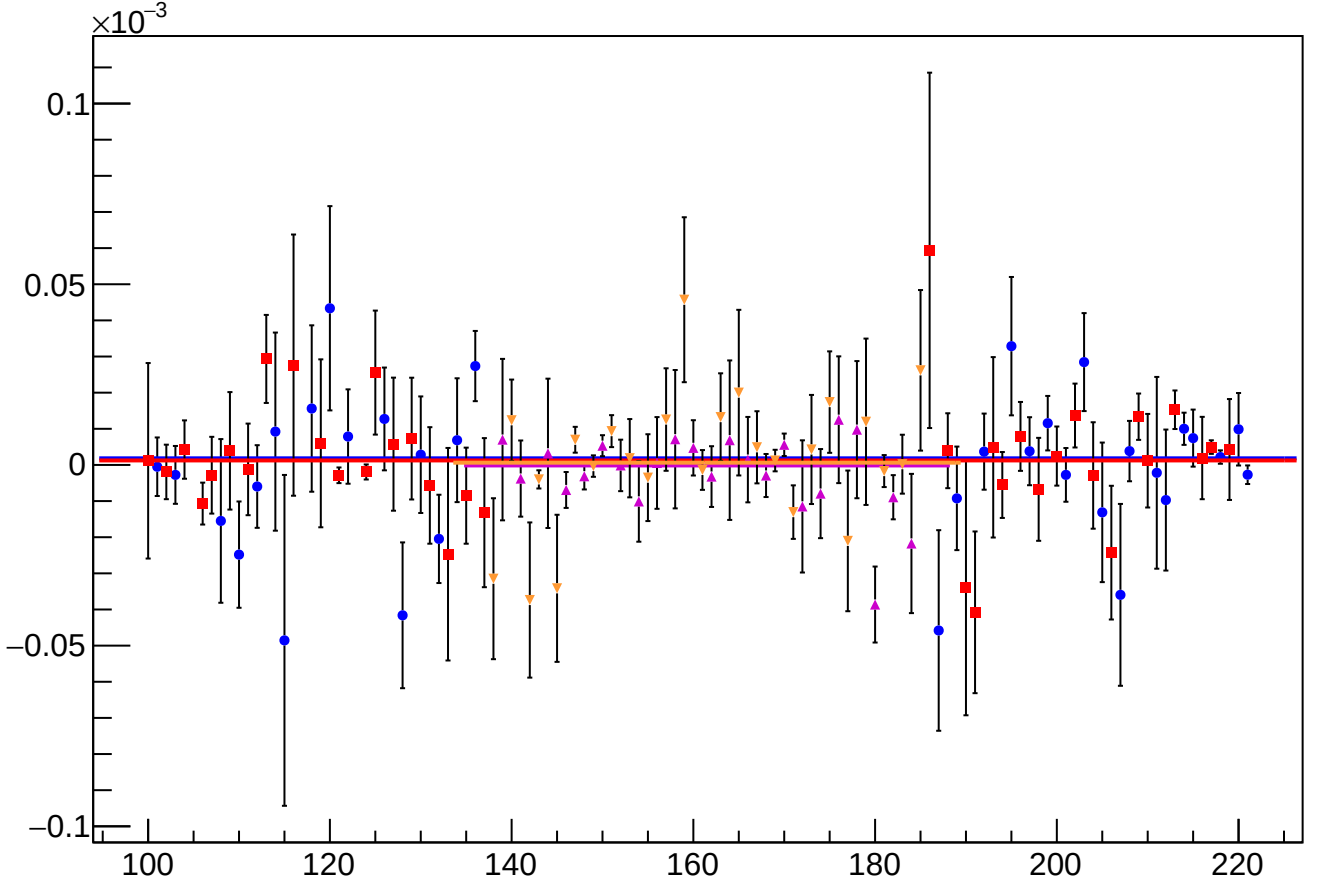
Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 136.615+/-0.018 χ^2/NDF: 20361401.7/58

All: 134.764+/-0.013 χ^2/NDF: 40746182.6/11

- sign 132.914+/-0.018 χ^2/NDF: 20363445.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 47.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/36

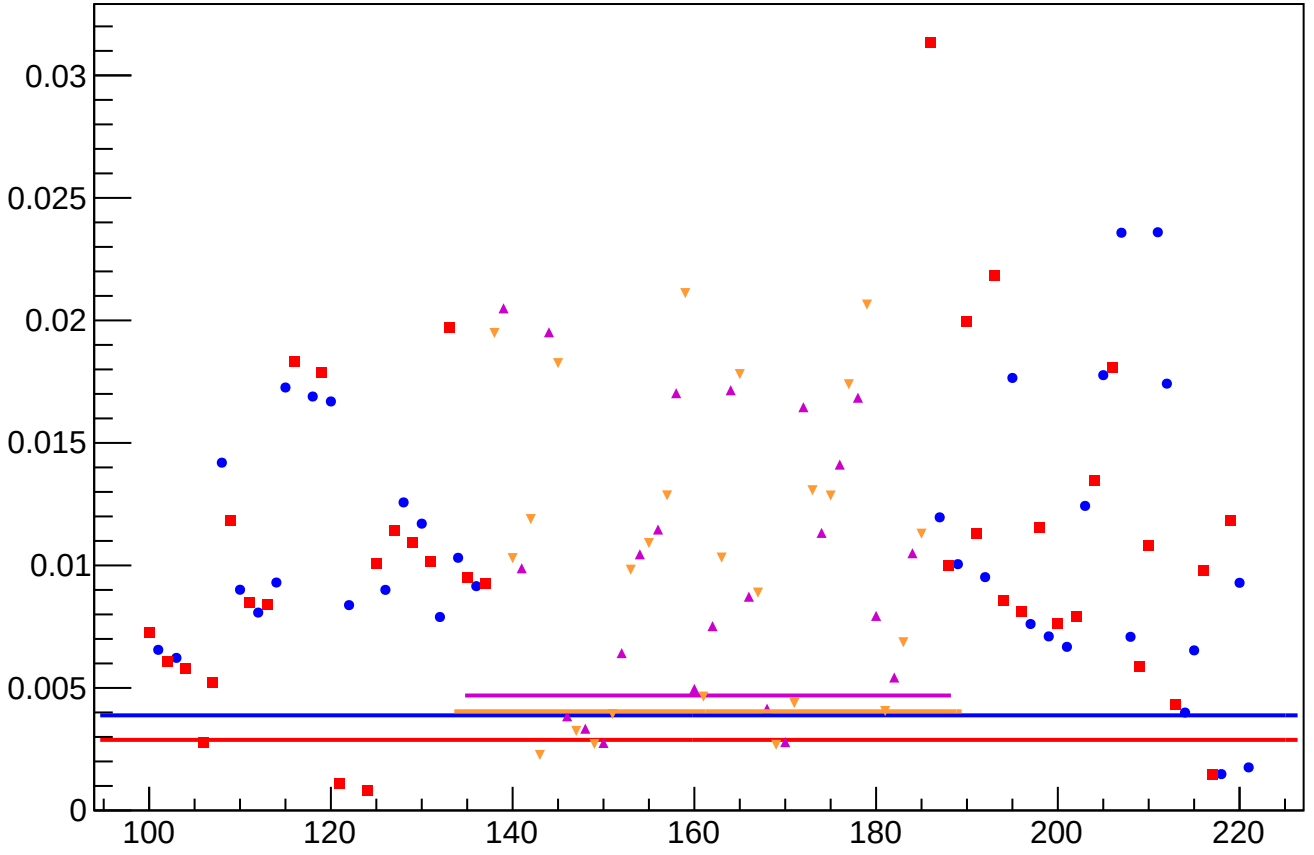
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.5/58

All: 0.000+/-0.000 χ^2/NDF: 159.7/118

- sign 0.000+/-0.000 χ^2/NDF: 77.0/59

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 19094458.8/33

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23031709.6/36

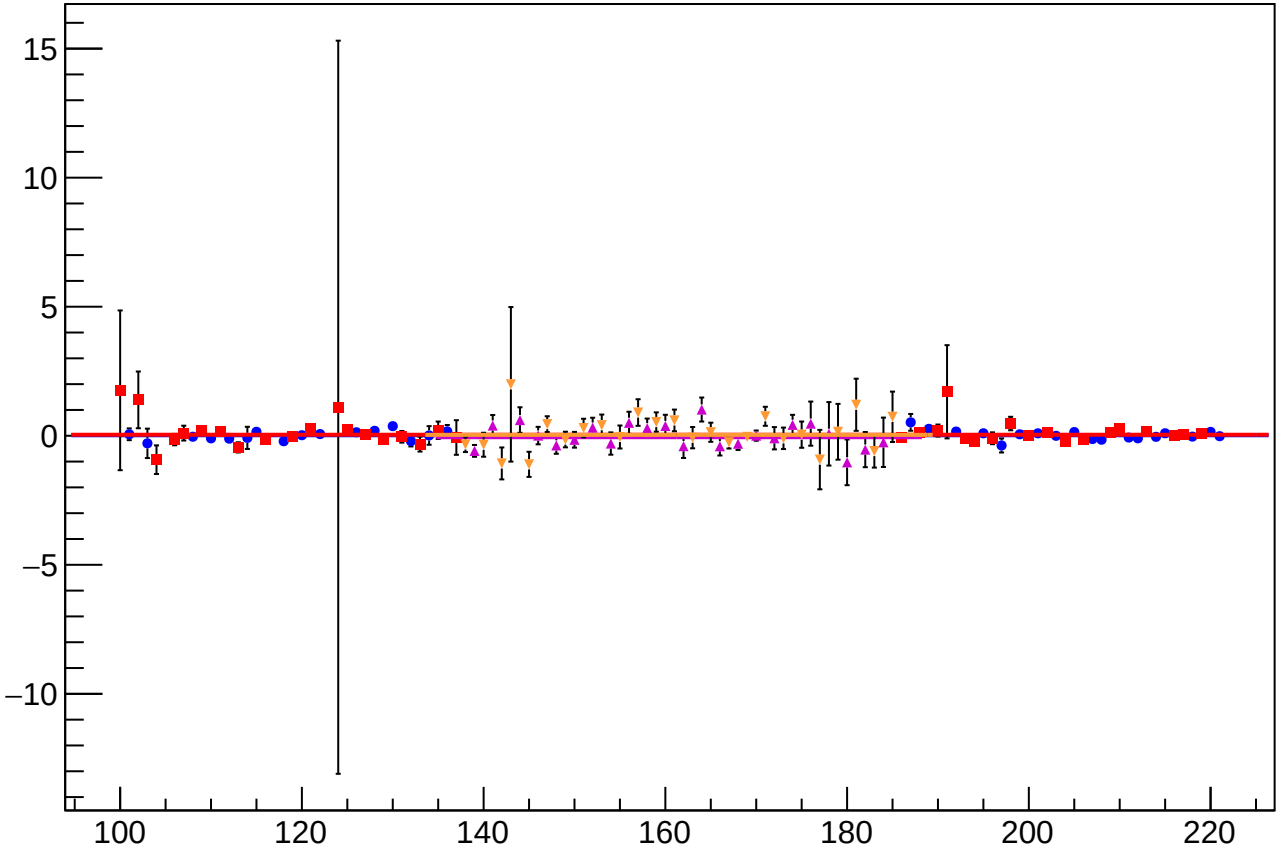
Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

\+ sign 0.004+/-0.000 χ^2/NDF: 32666979.1/58

All: 0.004+/-0.000 χ^2/NDF: 69098274.1/118

\- sign 0.003+/-0.000 χ^2/NDF: 36106426.4/59

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

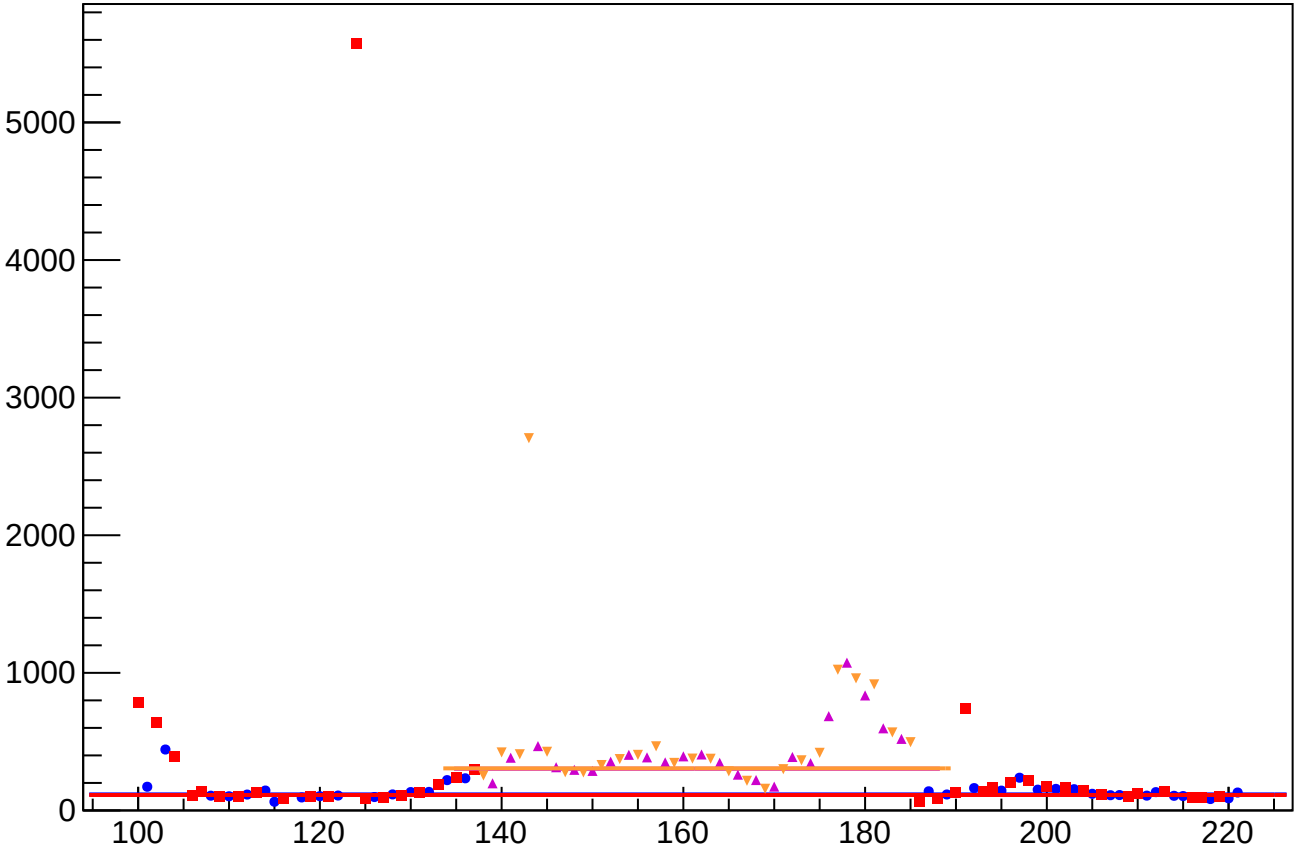
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 127.9/118

- sign 0.029+/-0.025 χ^2/NDF: 69.2/59

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.601+/-0.019 χ^2/NDF: 3169068.8/33

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

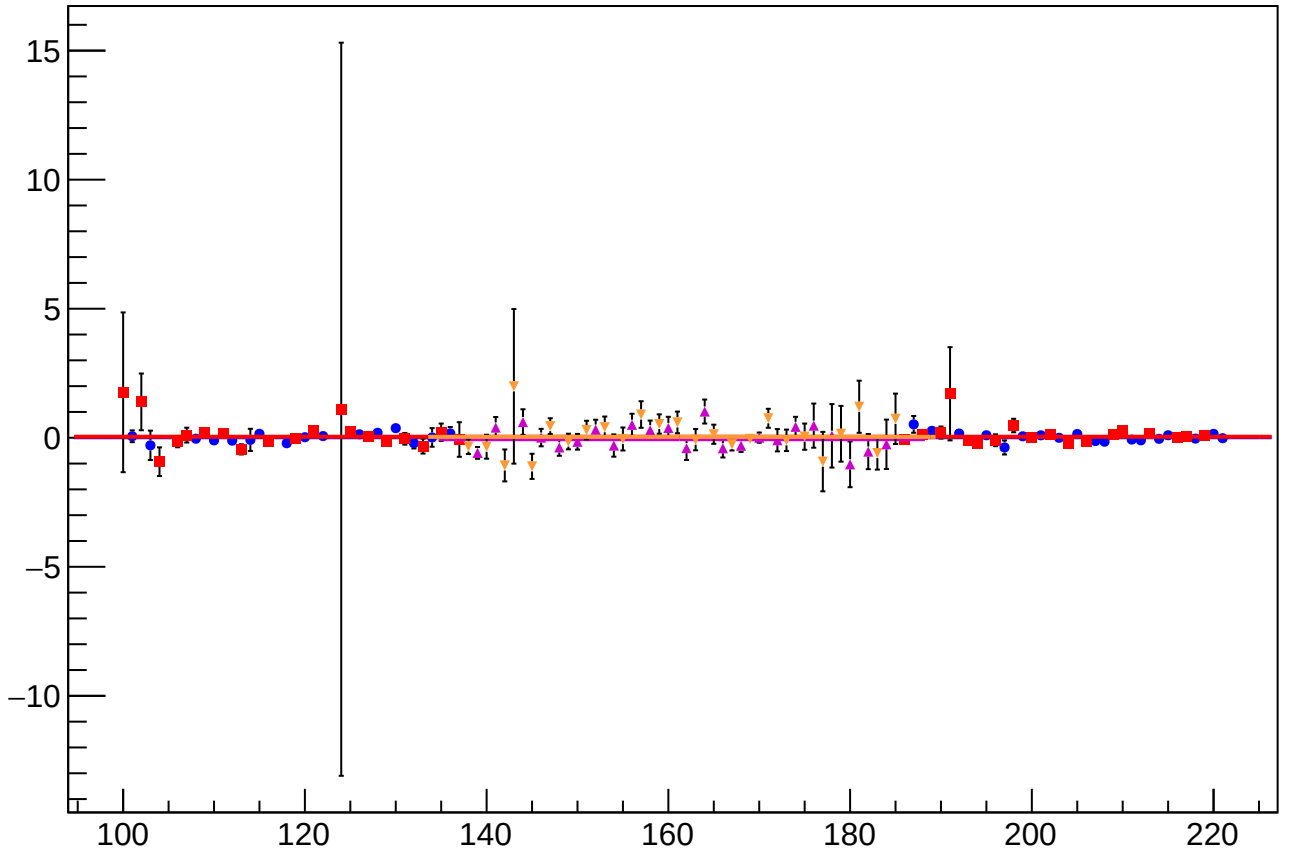
Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 136.617+/-0.018 χ^2/NDF: 20361345.1/58

All: 134.766+/-0.013 χ^2/NDF: 40745896.3/11

- sign 132.916+/-0.018 χ^2/NDF: 20363216.8/59



Right In: 0.019+/-0.027 χ^2/NDF: 28.1/33

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

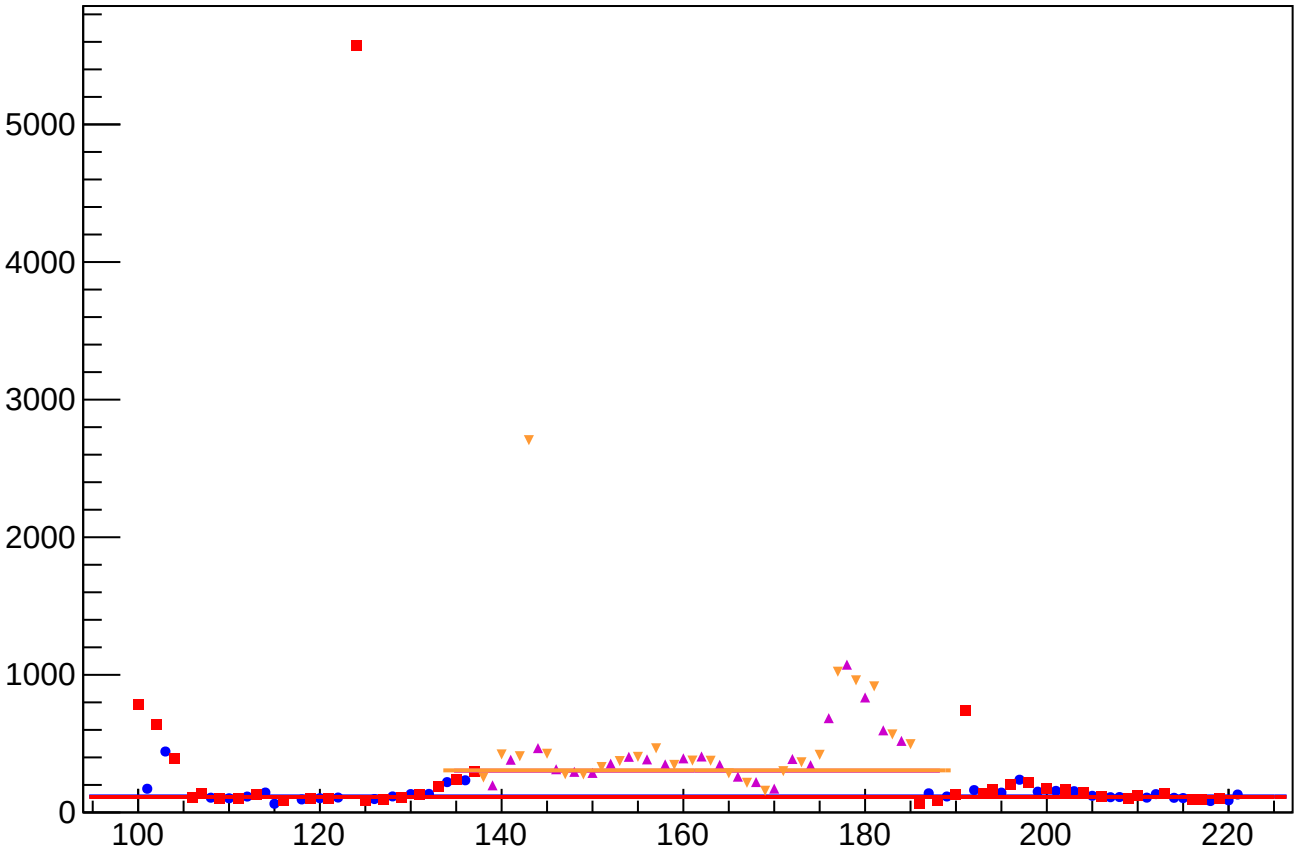
Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

\+ sign 0.021+/-0.025 χ^2/NDF: 58.6/58

All: 0.025+/-0.018 χ^2/NDF: 127.9/118

\- sign 0.029+/-0.025 χ^2/NDF: 69.2/59



Right In: 116.601+/-0.019 χ^2/NDF: 3169068.8/33

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

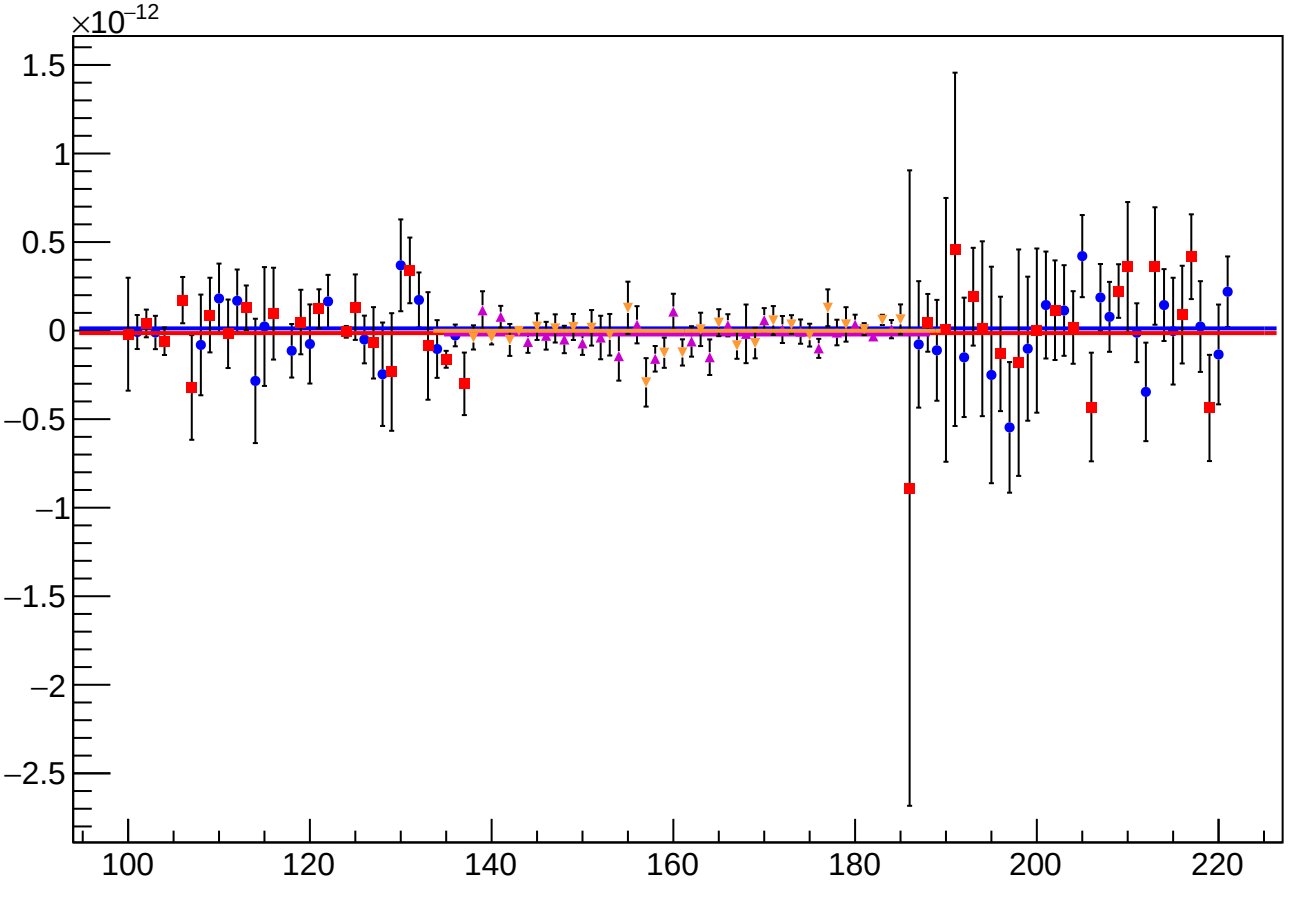
Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 136.617+/-0.018 χ^2/NDF: 20361345.1/58

All: 134.766+/-0.013 χ^2/NDF: 40745896.3/11

- sign 132.916+/-0.018 χ^2/NDF: 20363216.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

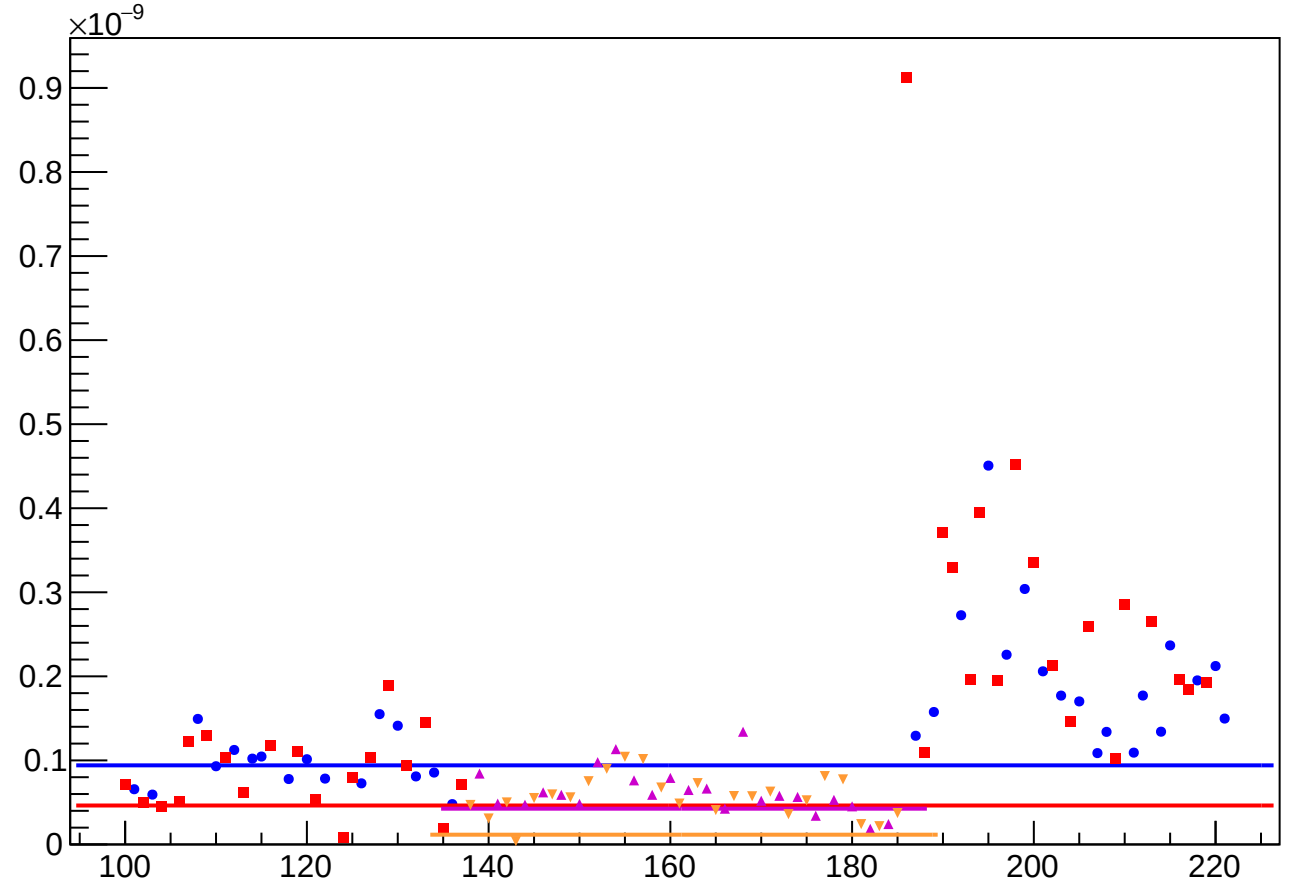
Right Out: -0.000+/-0.000 χ^2/NDF: 38.1/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/58

All: -0.000+/-0.000 χ^2/NDF: 102.4/118

- sign -0.000+/-0.000 χ^2/NDF: 57.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 6429011.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16063134.4/36

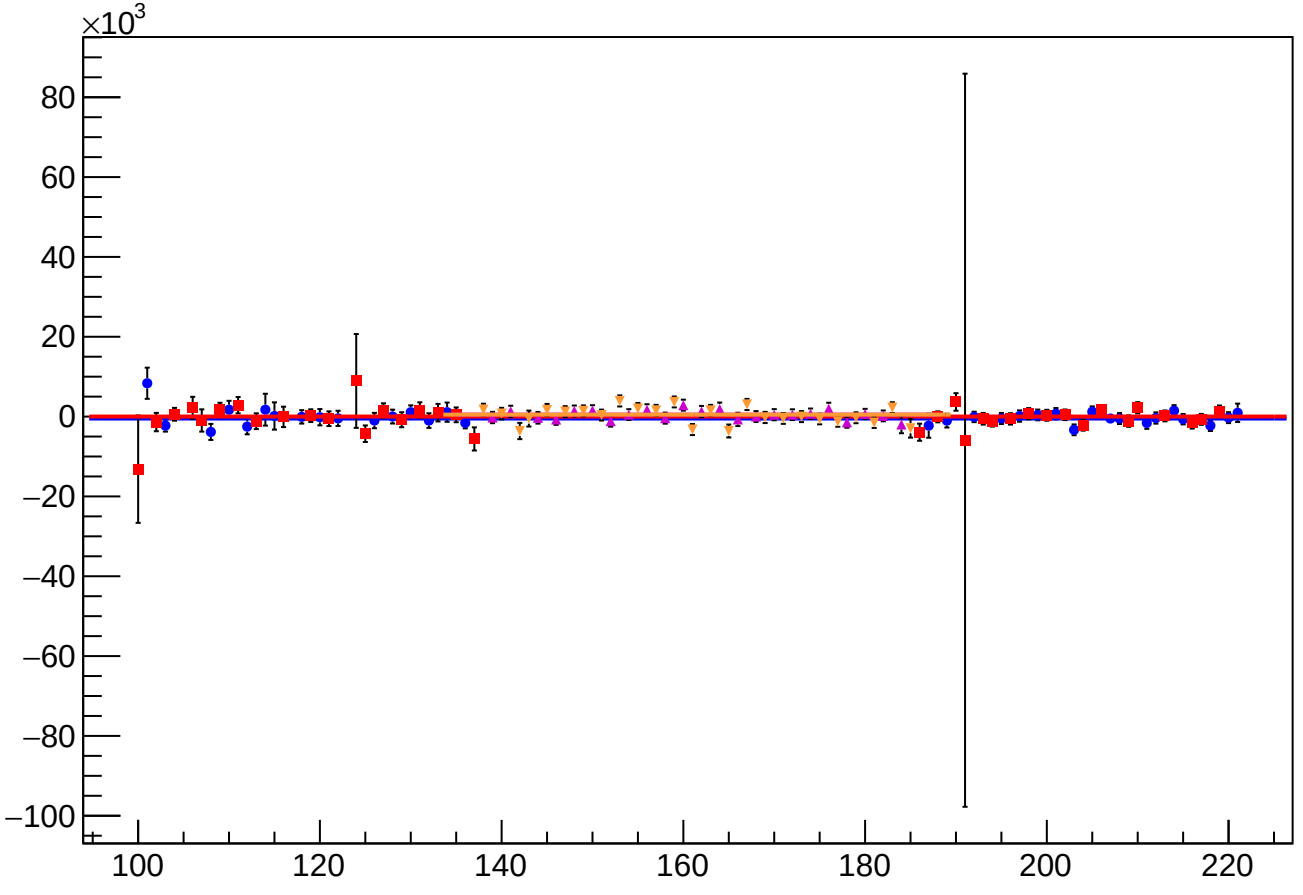
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 39010848.4/58

All: 0.000+/-0.000 χ^2/NDF: 71176803.1/118

- sign 0.000+/-0.000 χ^2/NDF: 21530972.9/59

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -487.178+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF: 33.5/36

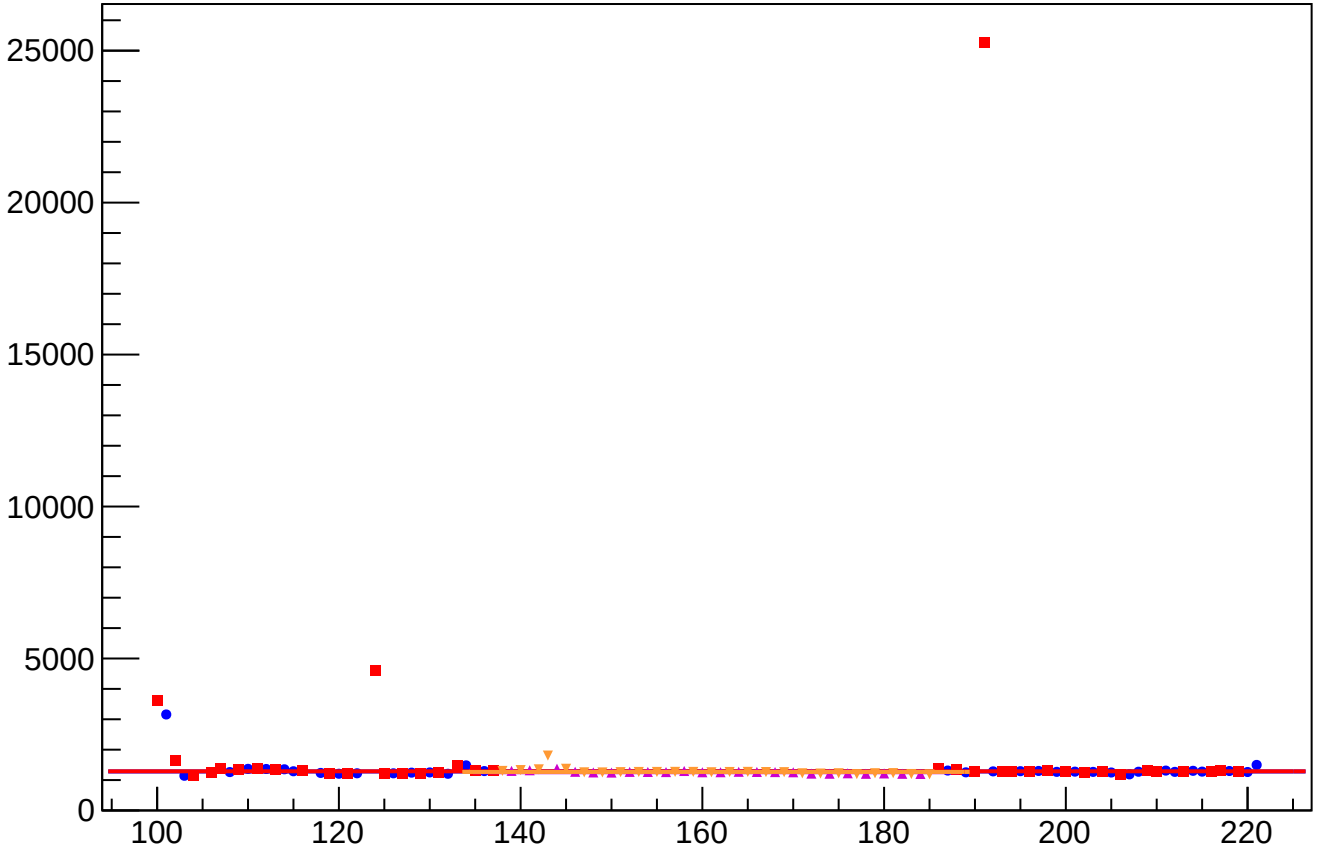
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -14.863+/-200.359 χ^2/NDF: 79.5/58

All: 110.070+/-142.747 χ^2/NDF: 129.5/118

- sign 238.857+/-203.426 χ^2/NDF: 49.3/59

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548621.5/33

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

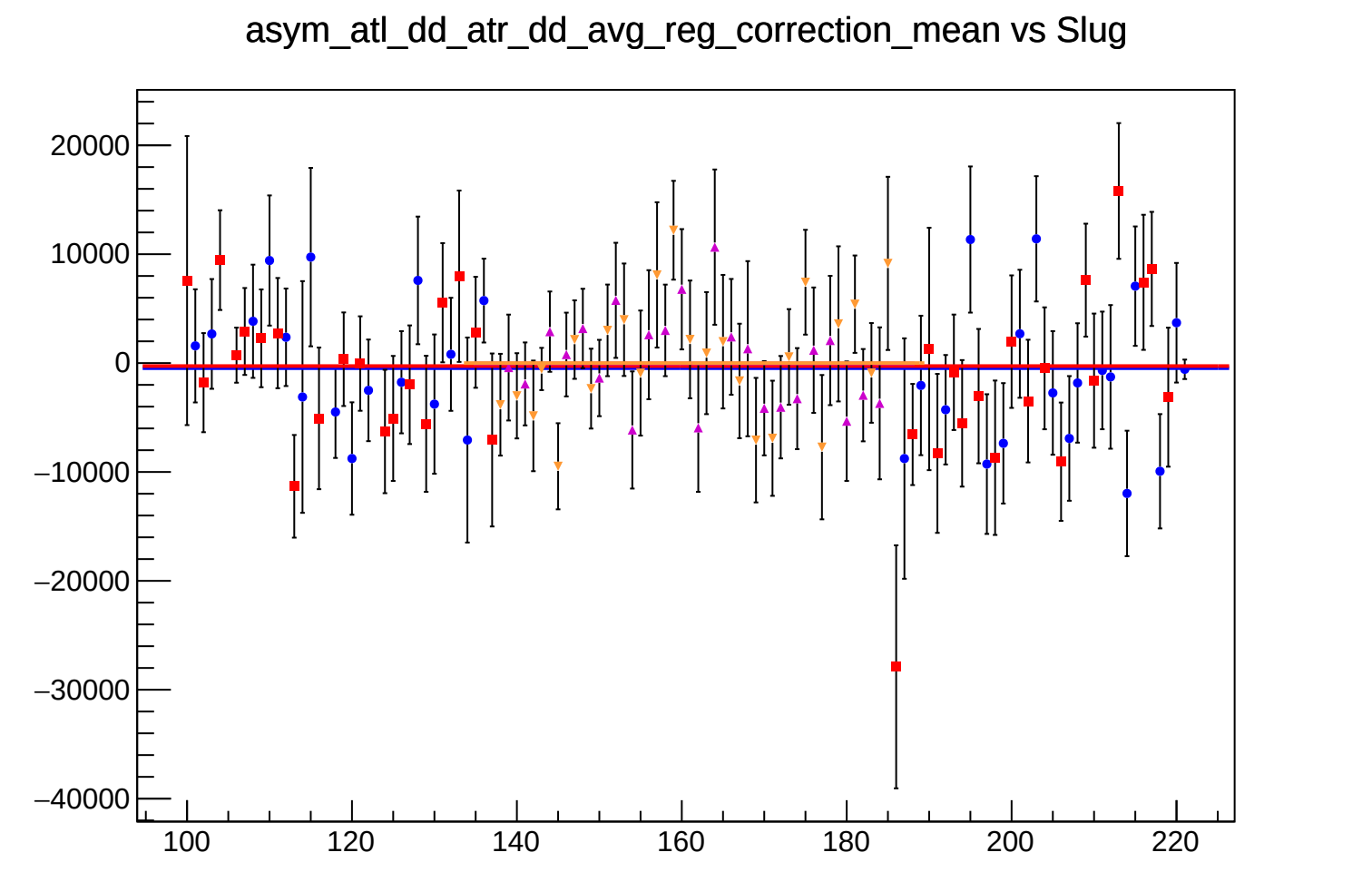
Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739020.3/58

All: 1274.247+/-0.101 χ^2/NDF: 1270999.6/11

- sign 1273.669+/-0.144 χ^2/NDF: 531947.5/59



Right In: -464.733+/-656.771 χ^2/NDF: 38.6/33

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

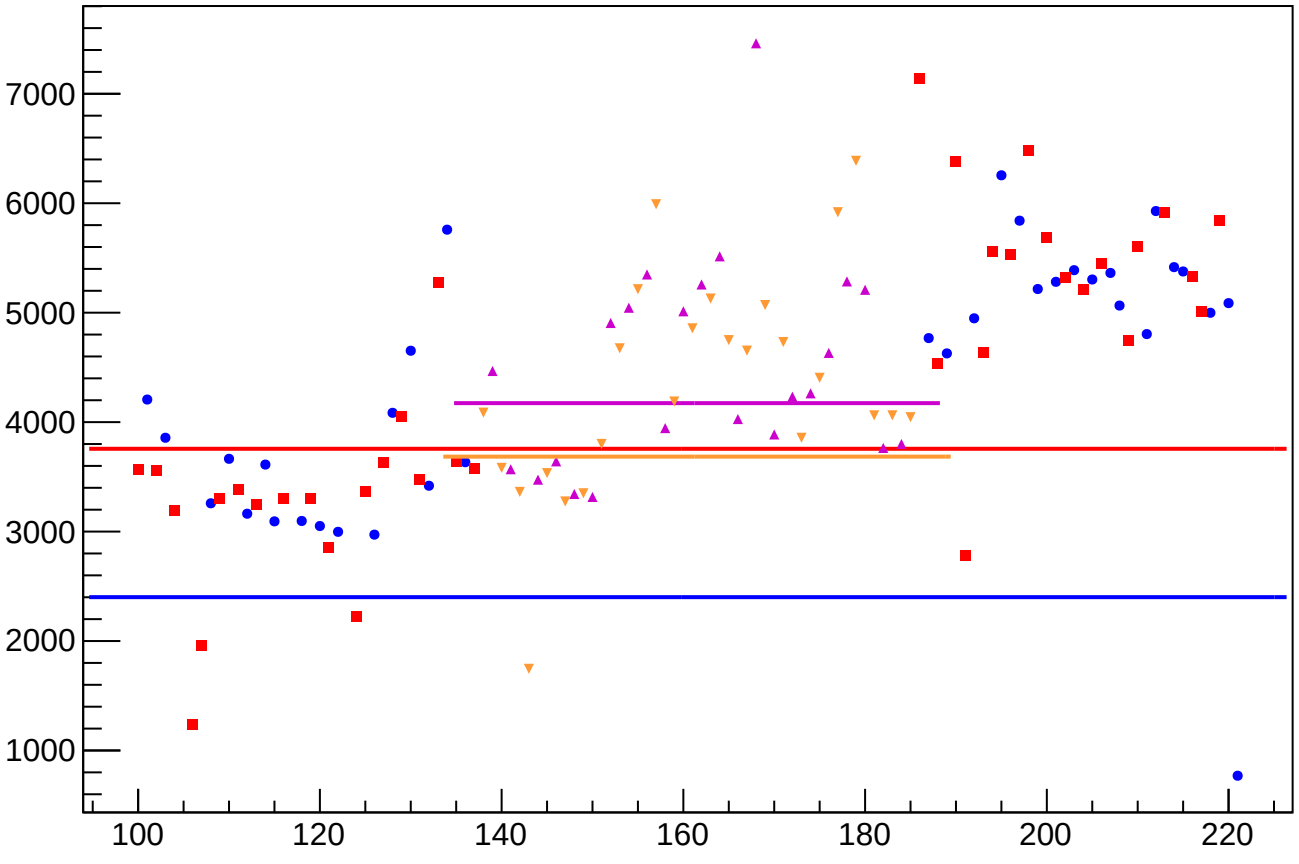
Right Out: -274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -300.258+/-527.721 χ^2/NDF: 67.8/58

All: -248.581+/-411.577 χ^2/NDF: 128.7/118

- sign -168.341+/-657.590 χ^2/NDF: 60.9/59



Right In: 2400.923+/-0.464 χ^2/NDF: 16646929.0/33

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

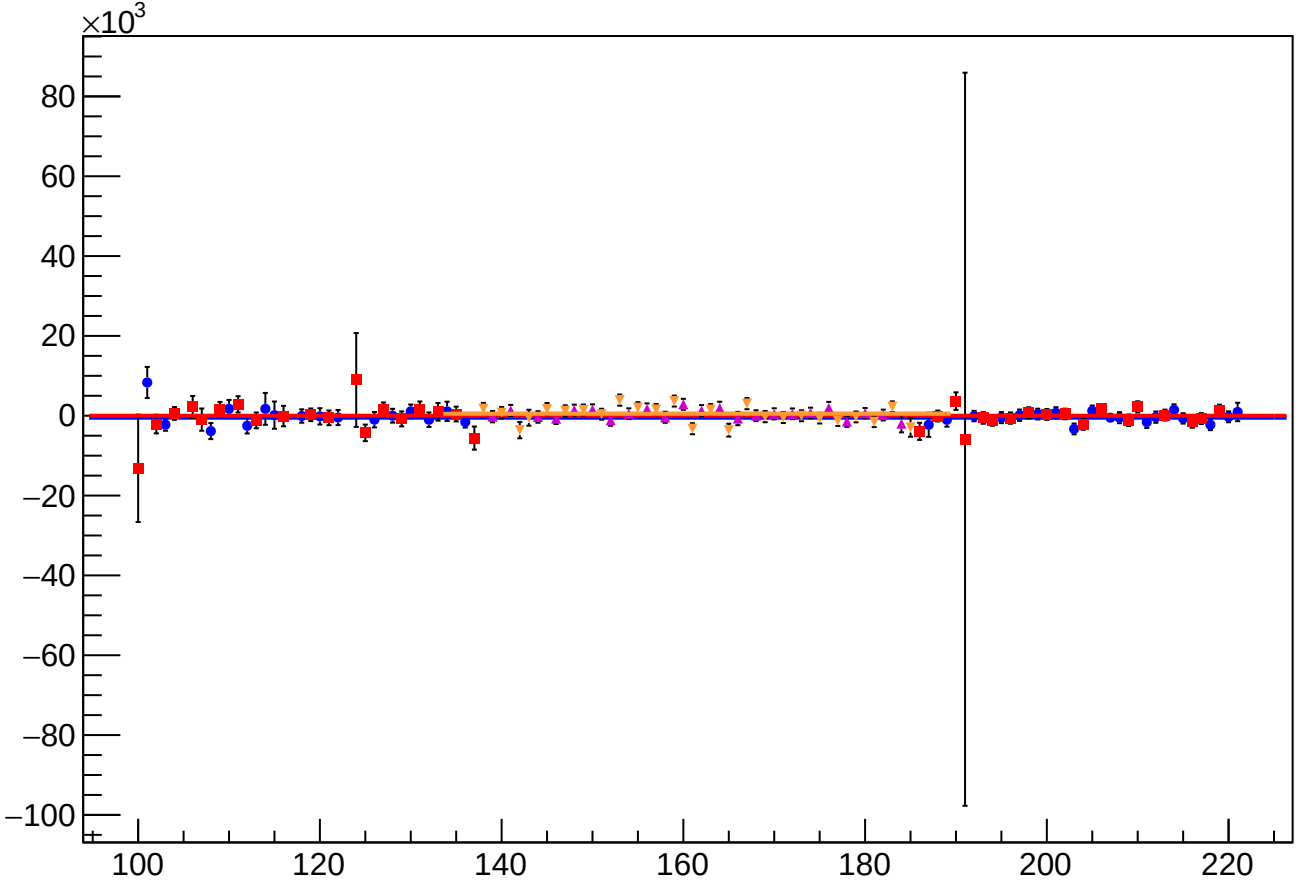
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 2855.885+/-0.373 χ^2/NDF: 23048835.8/58

All: 3279.983+/-0.291 χ^2/NDF: 33386929.1/1

- sign 3938.499+/-0.465 χ^2/NDF: 7040776.2/59

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

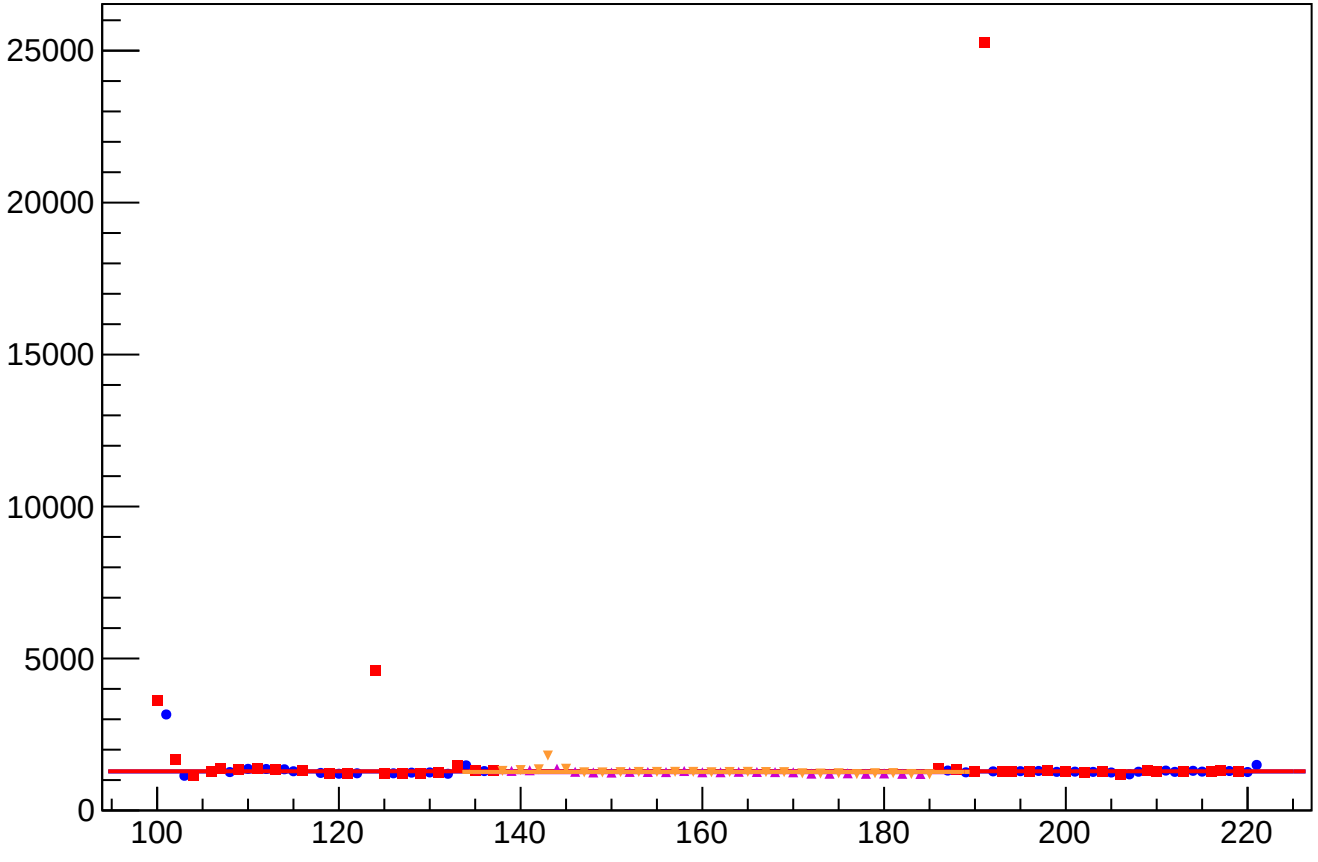
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.545+/-142.756 χ^2/NDF: 130.0/118

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

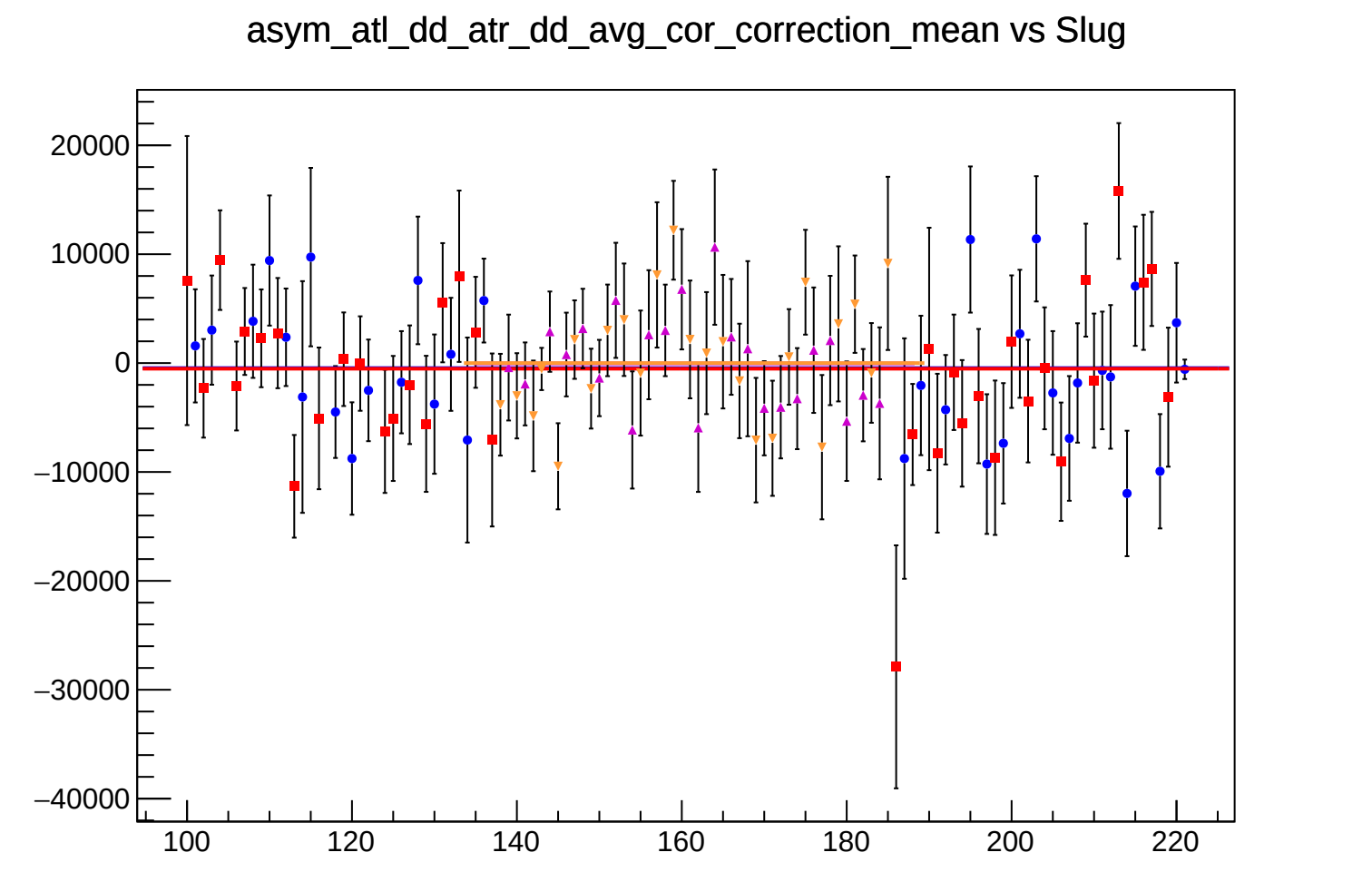
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

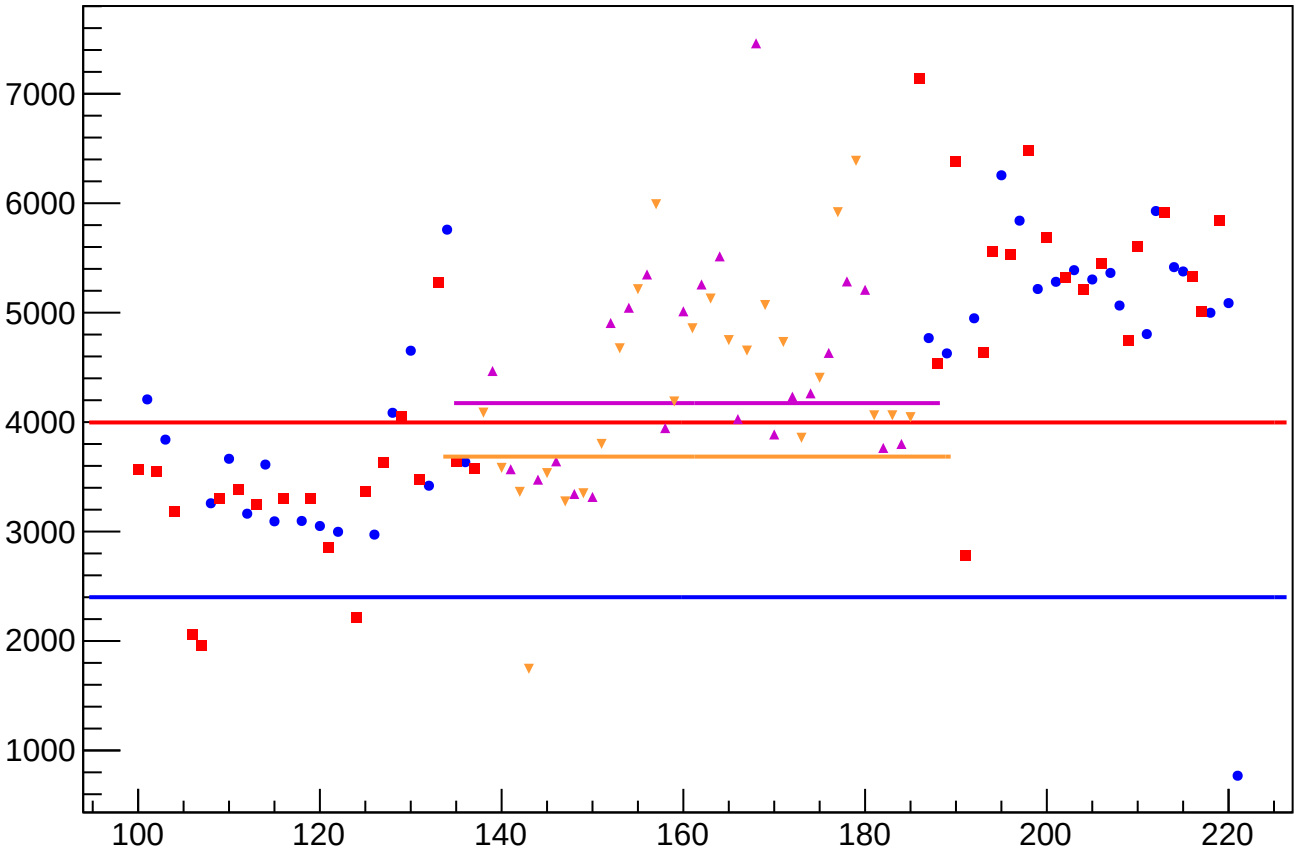
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -295.555+/-414.914 χ^2/NDF: 129.0/118

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

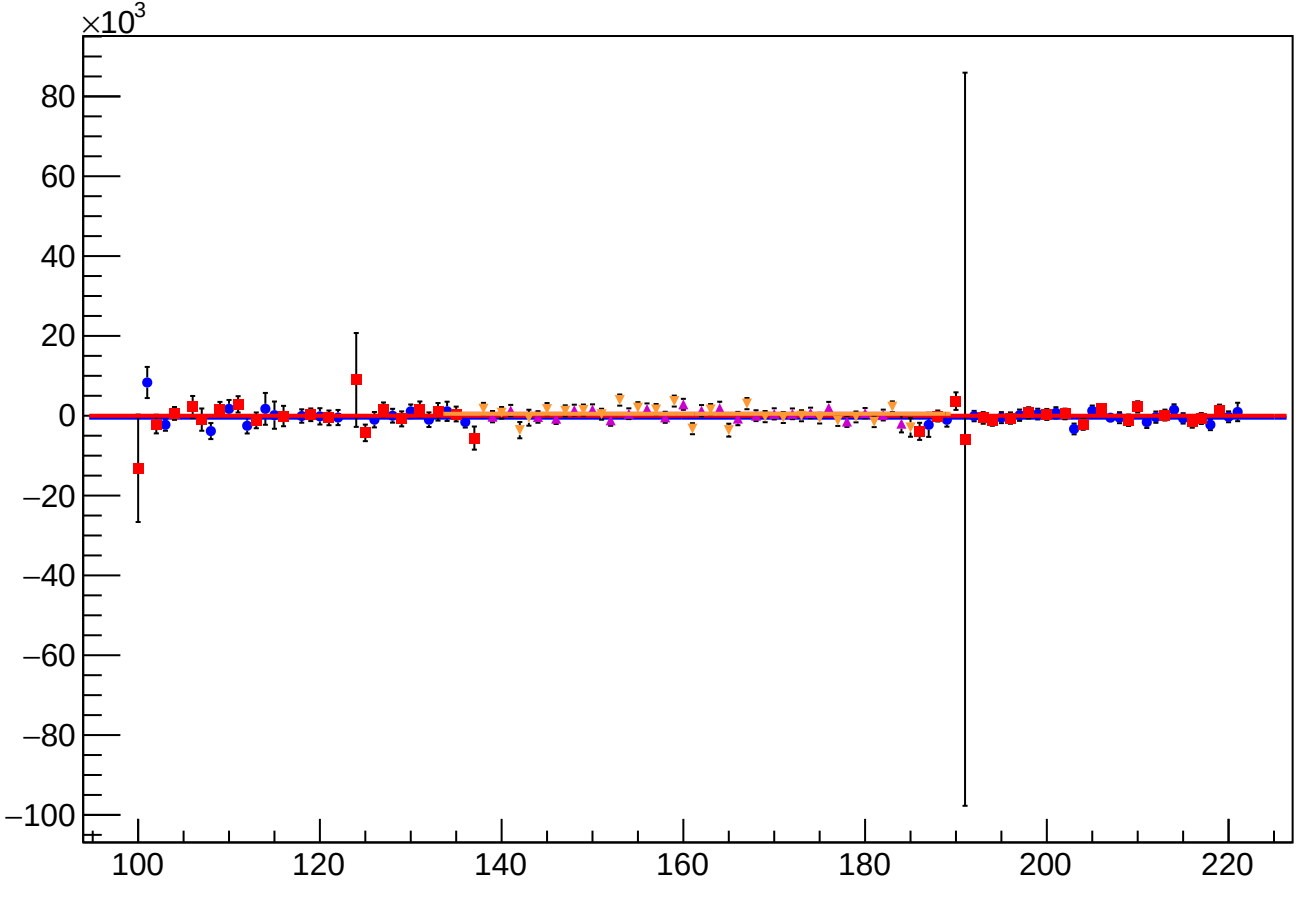
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/1

- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

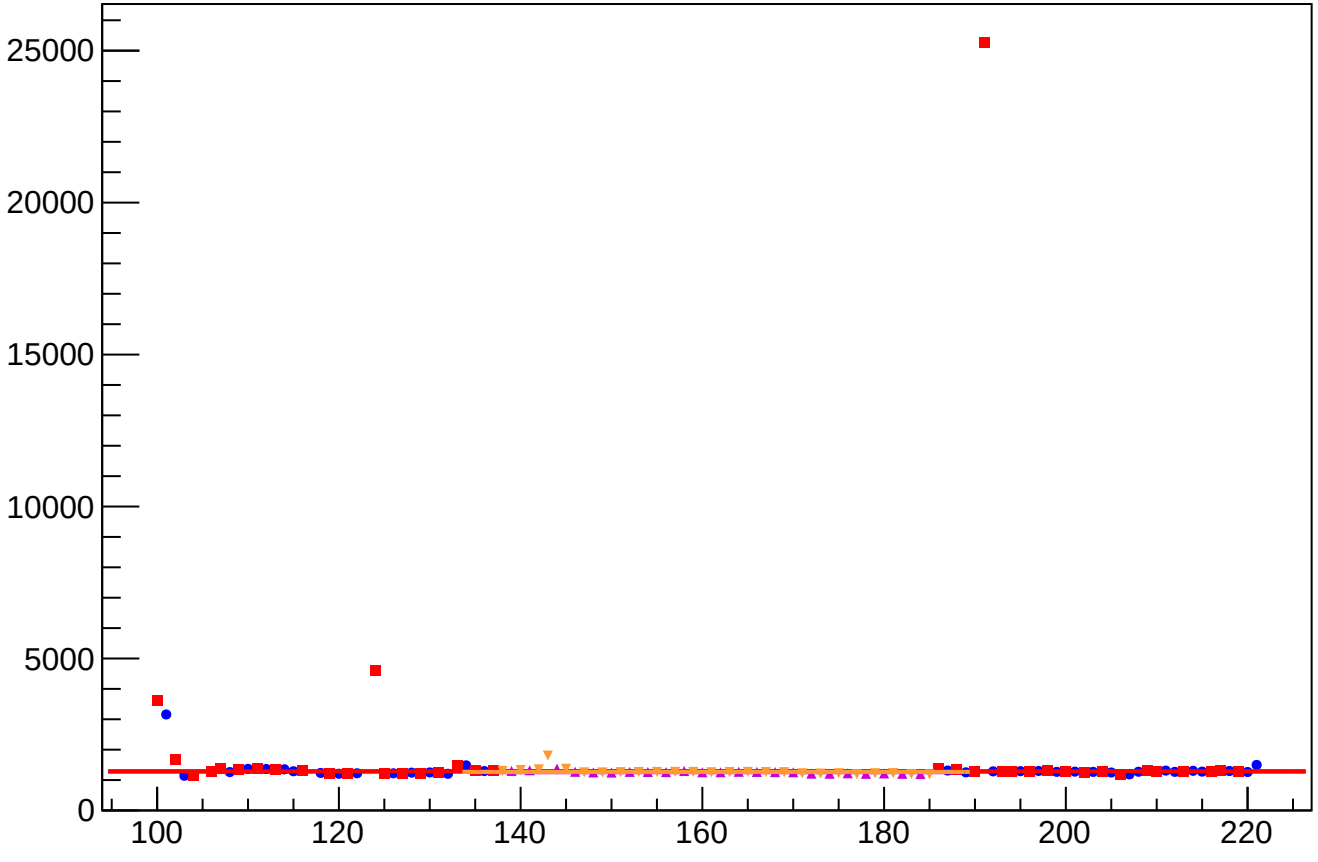
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.545+/-142.756 χ^2/NDF: 130.0/118

\- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

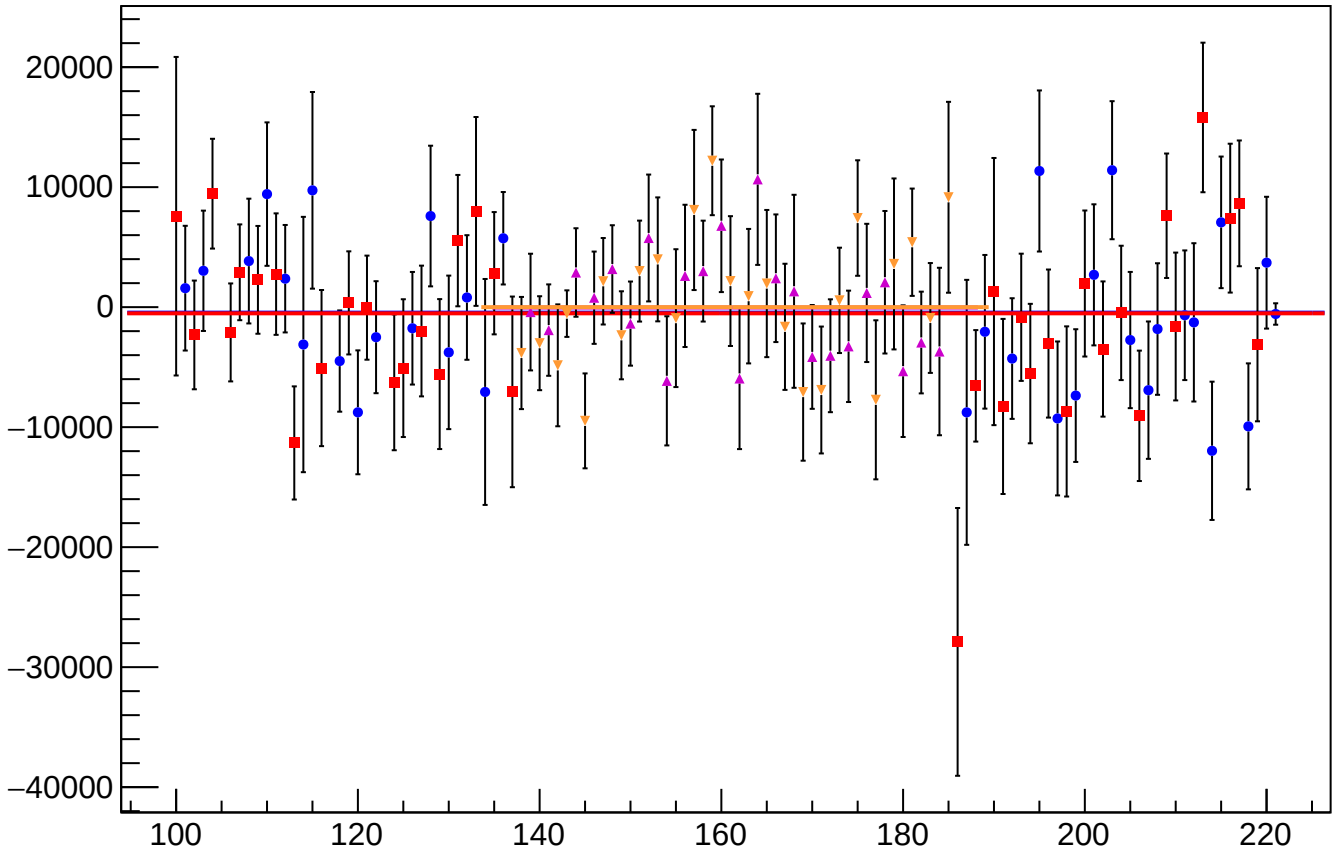
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

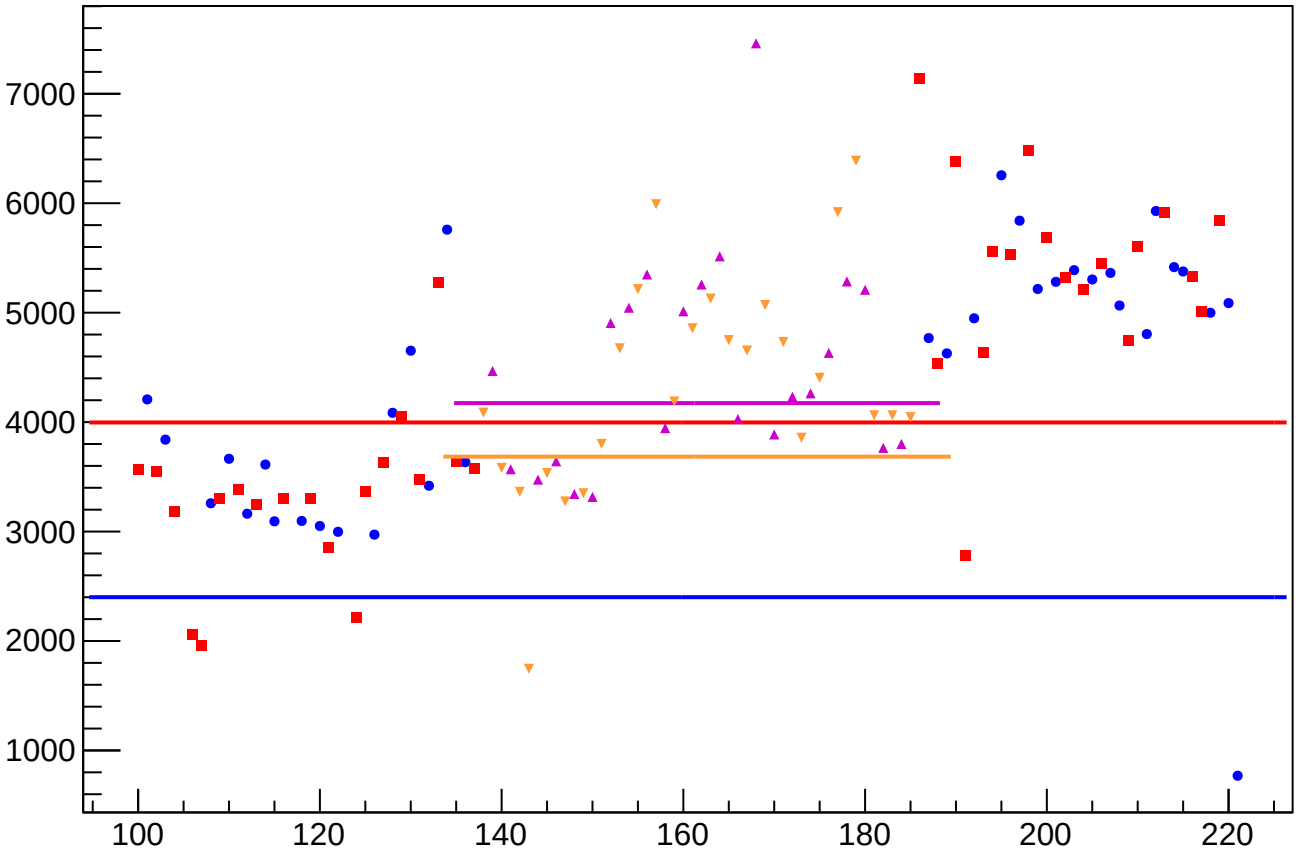
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -295.555+/-414.914 χ^2/NDF: 129.0/118

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

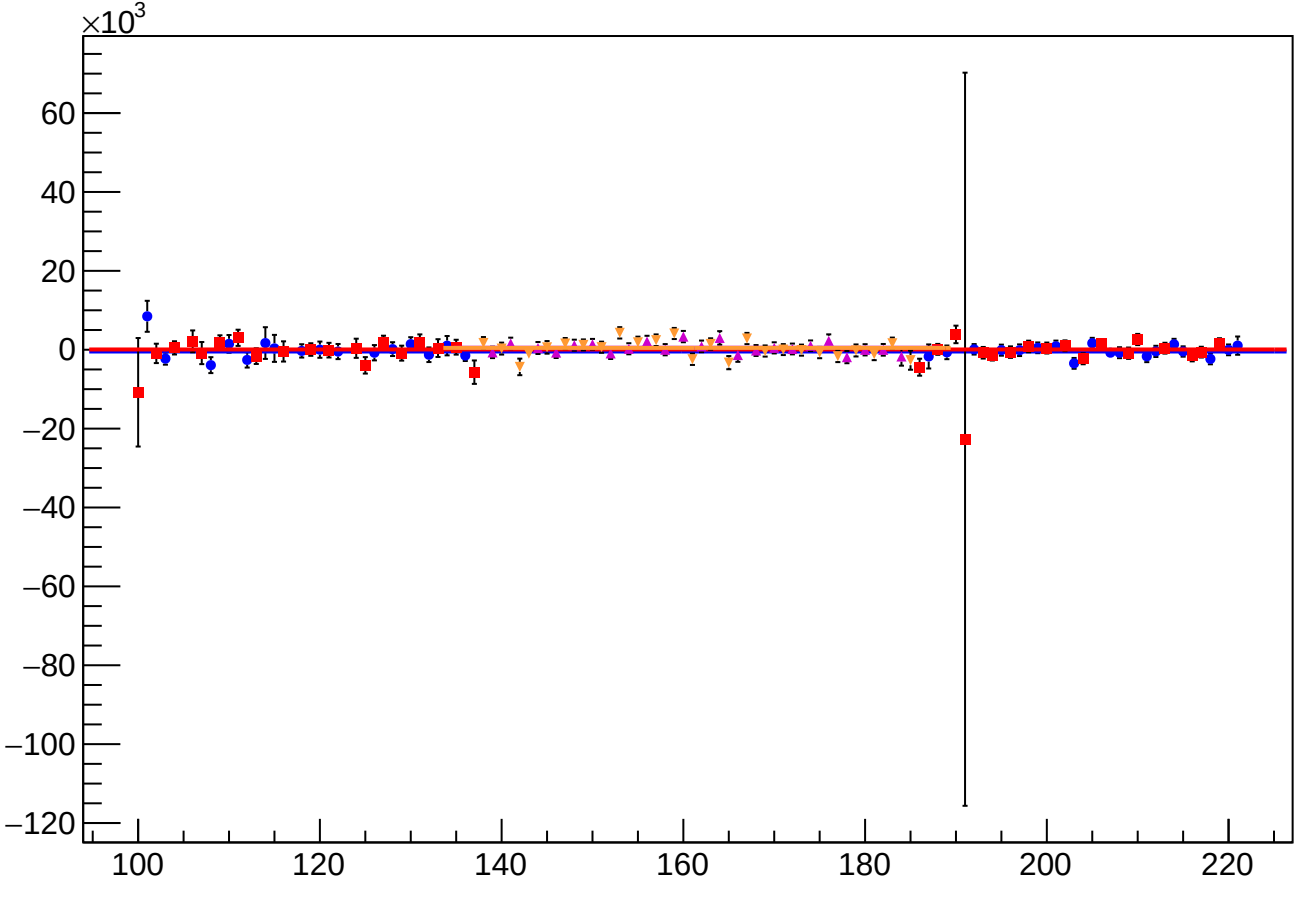
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/1

- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -448.114+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.239+/-284.065 χ^2/NDF: 35.1/36

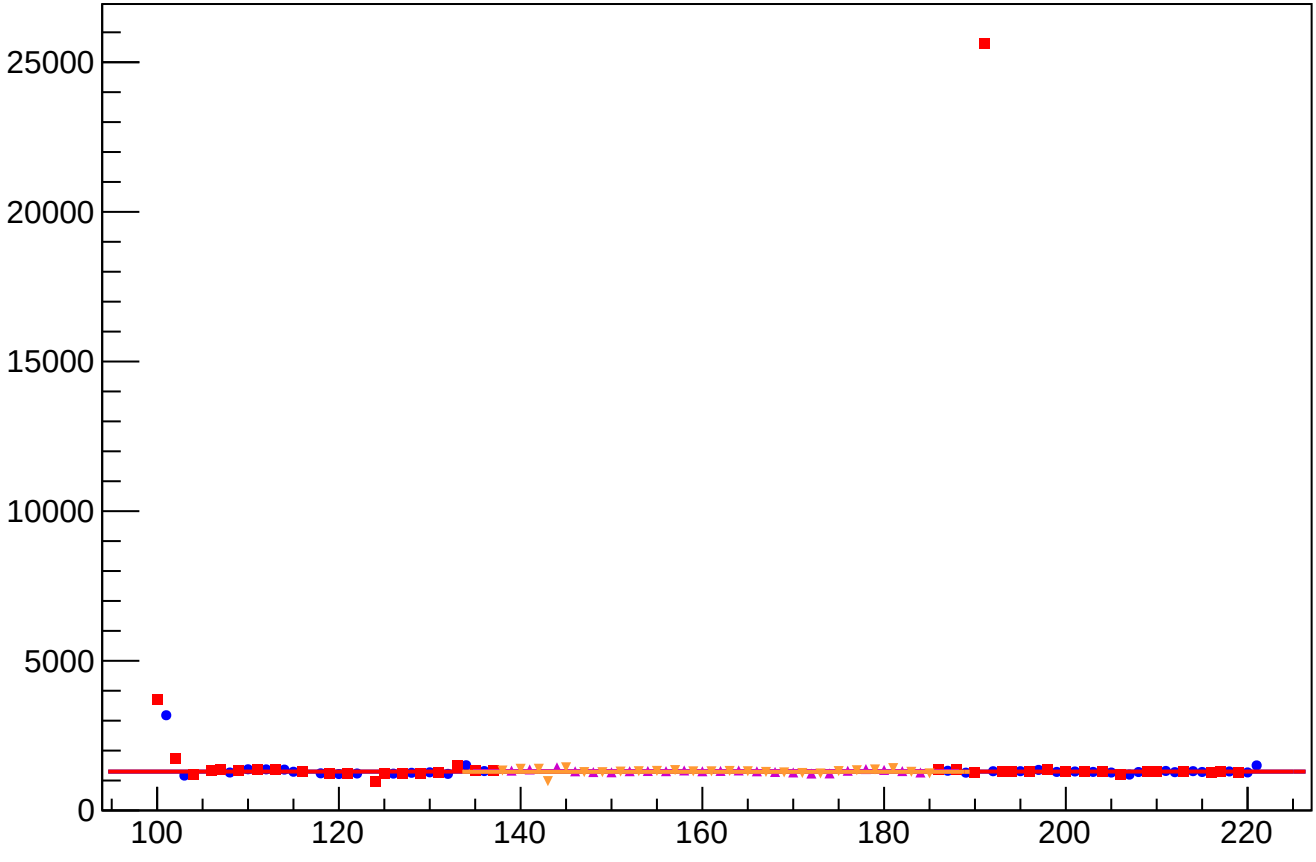
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -9.940+/-203.513 χ^2/NDF: 77.2/58

All: 125.613+/-145.643 χ^2/NDF: 131.8/118

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.8/33

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

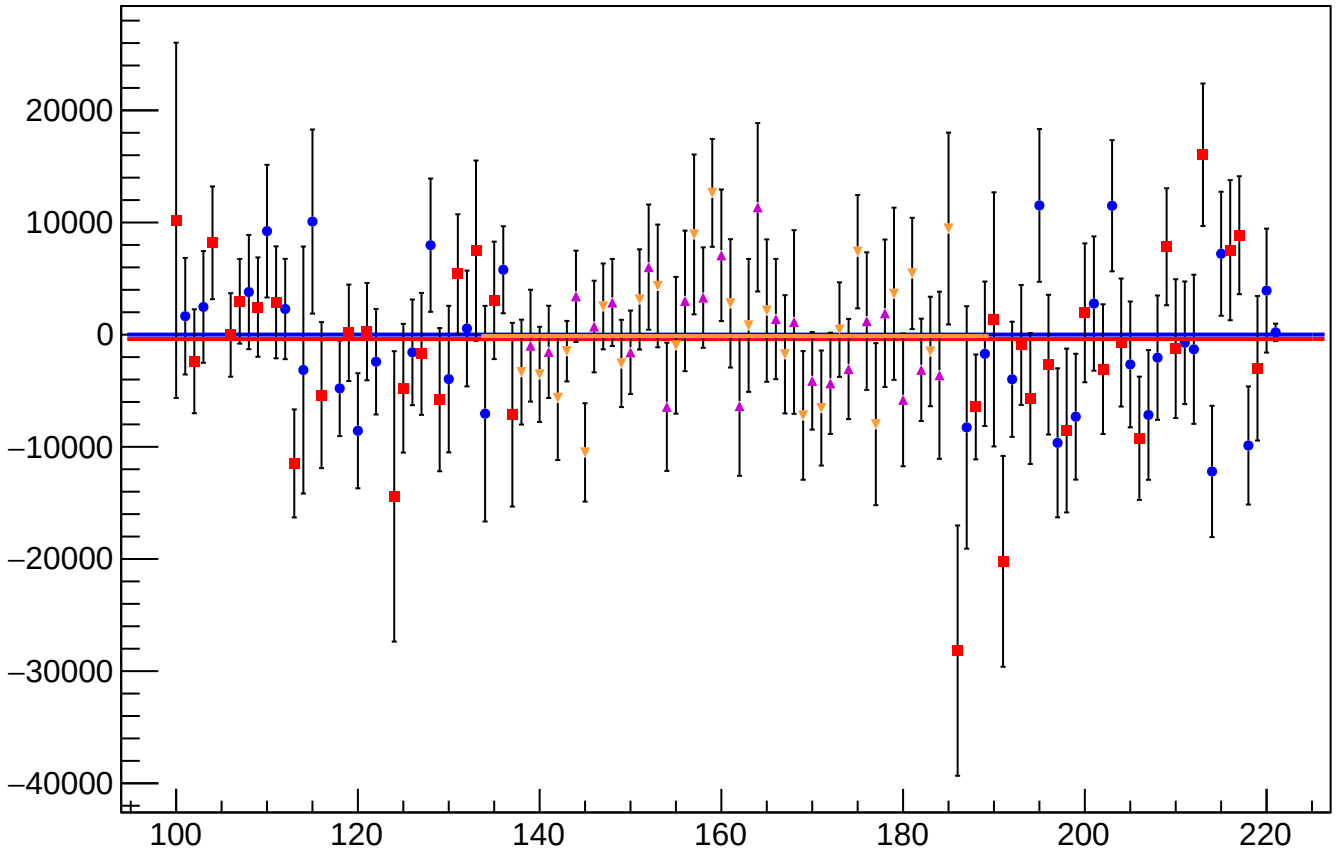
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.351+/-0.144 χ^2/NDF: 778438.5/58

All: 1300.139+/-0.103 χ^2/NDF: 1206622.8/11

- sign 1306.213+/-0.147 χ^2/NDF: 424869.1/59



Right In: 8.316+/-607.722 χ^2/NDF: 38.6/33

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

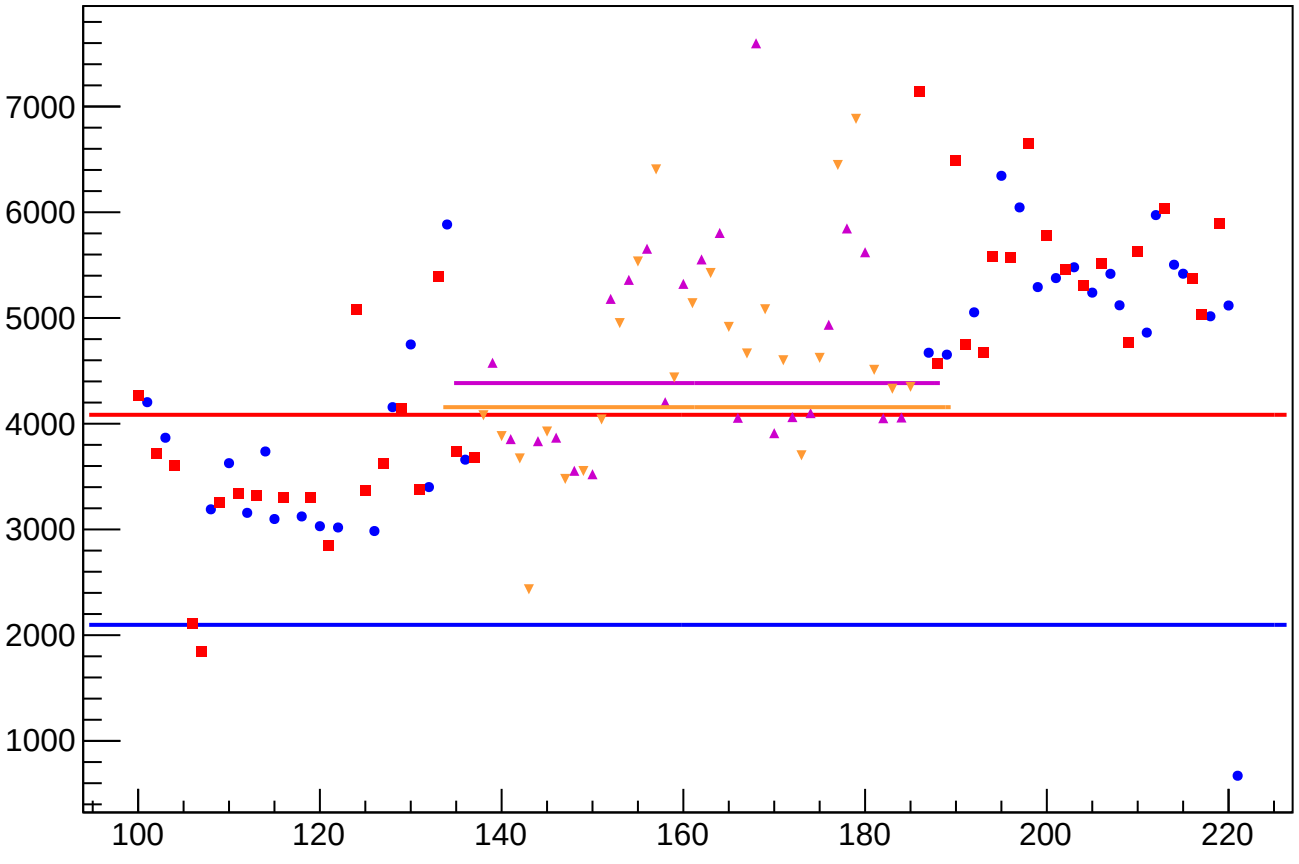
Right Out: -389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -29.498+/-516.069 χ^2/NDF: 67.2/58

All: -122.000+/-413.835 χ^2/NDF: 129.6/118

- sign -288.637+/-692.656 χ^2/NDF: 62.3/59



Right In: 2097.688+/-0.430 χ^2/NDF: 19570960.5/33

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

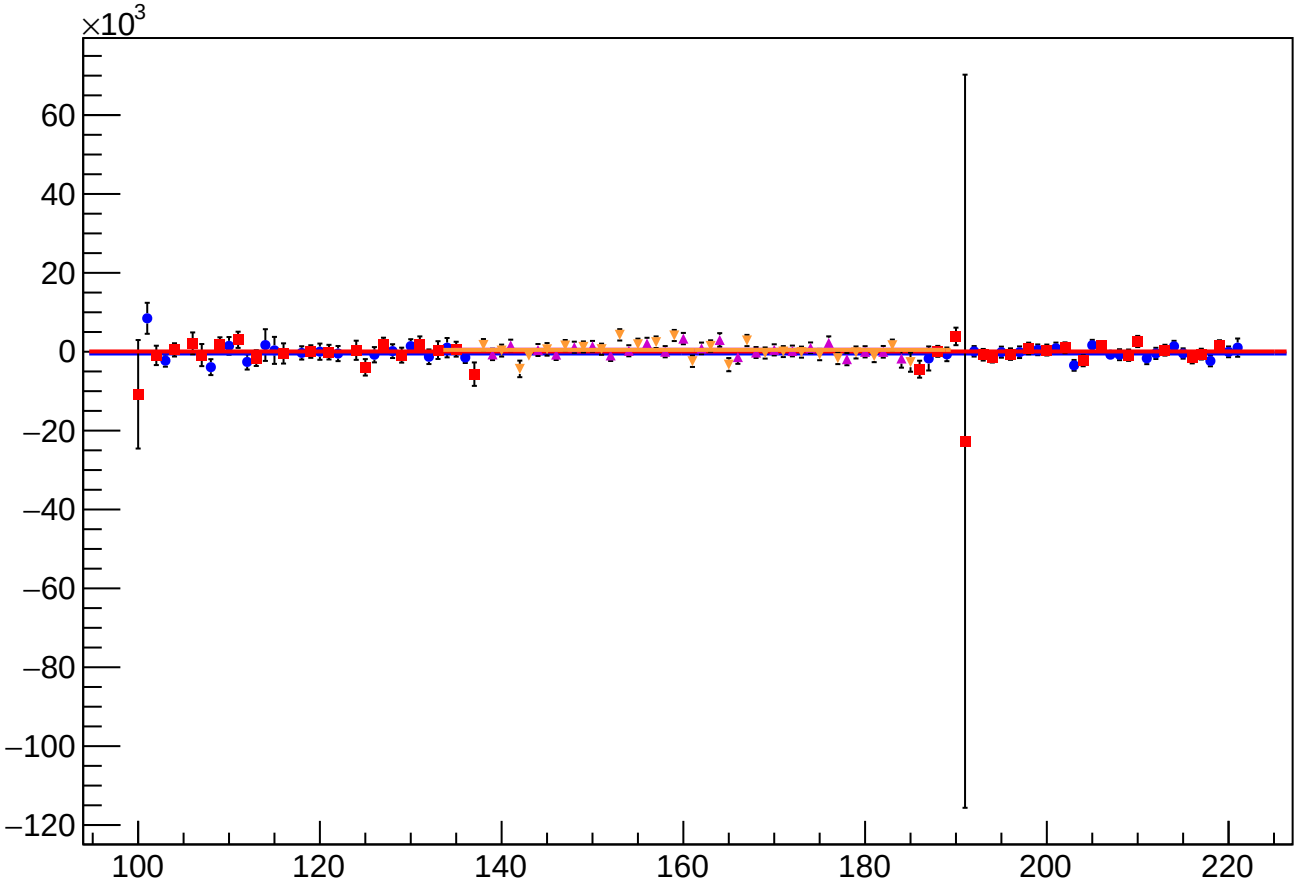
Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 2671.879+/-0.365 χ^2/NDF: 28053632.9/58

All: 3223.063+/-0.293 χ^2/NDF: 39607372.1/1

- sign 4215.986+/-0.490 χ^2/NDF: 5162451.5/59



Right In: -448.112+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.240+/-284.065 χ^2/NDF: 35.1/36

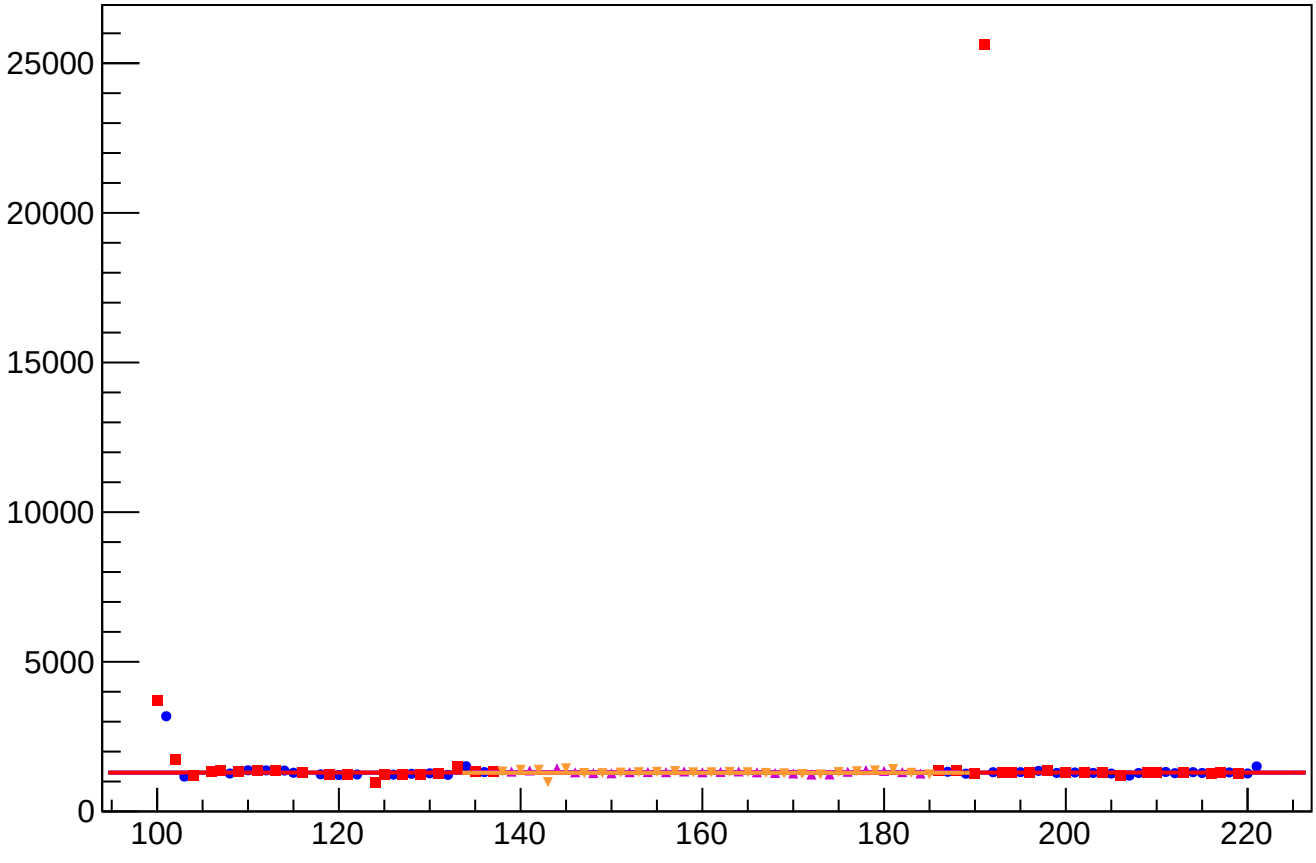
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign -9.937+/-203.513 χ^2/NDF: 77.2/58

All: 125.614+/-145.643 χ^2/NDF: 131.8/118

- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.9/33

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

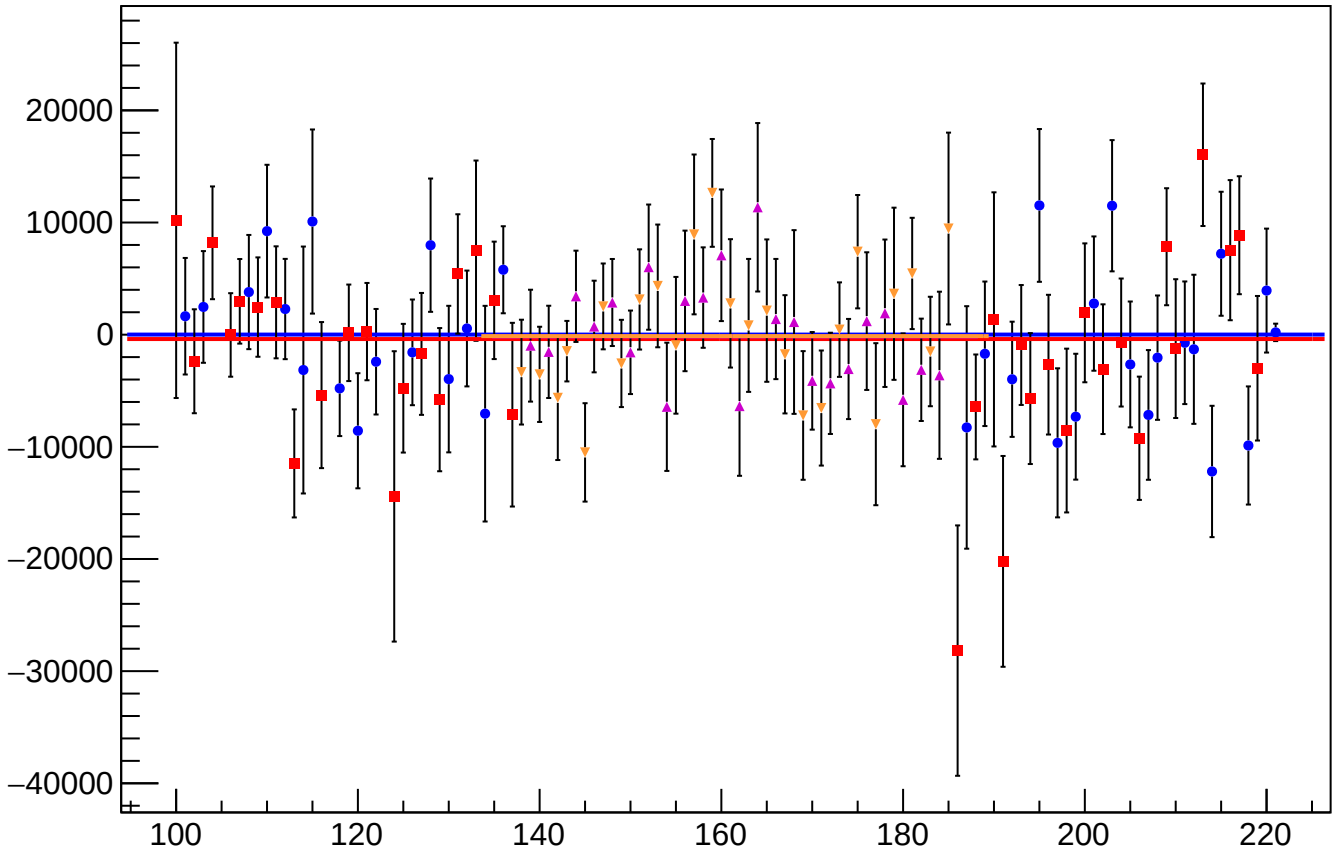
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.352+/-0.144 χ^2/NDF: 778440.9/58

All: 1300.139+/-0.103 χ^2/NDF: 1206627.9/11

- sign 1306.214+/-0.147 χ^2/NDF: 424871.7/59



Right In: 8.322+/-607.725 χ^2/NDF: 38.6/33

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

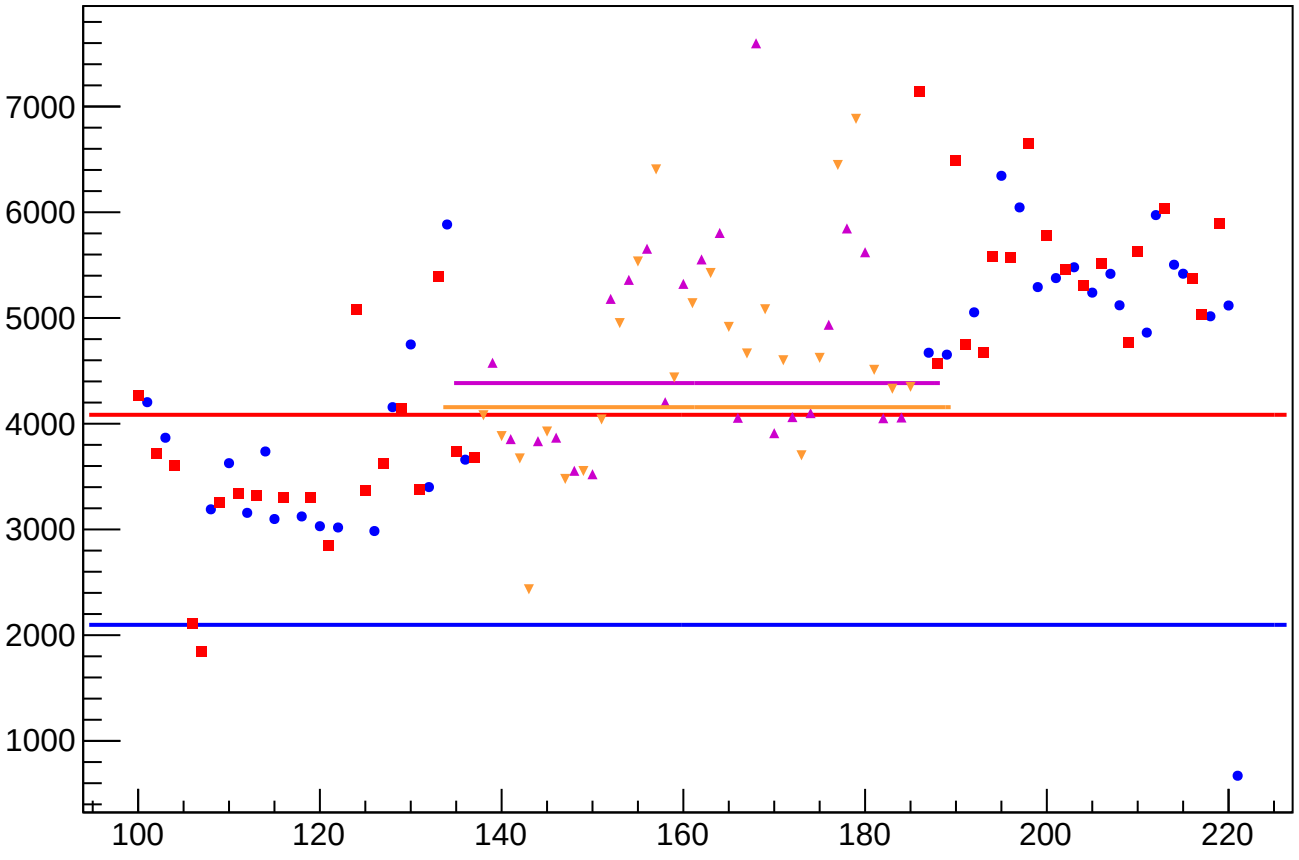
Right Out: -389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign -29.493+/-516.071 χ^2/NDF: 67.2/58

All: -121.997+/-413.836 χ^2/NDF: 129.6/118

\- sign -288.635+/-692.656 χ^2/NDF: 62.3/59



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

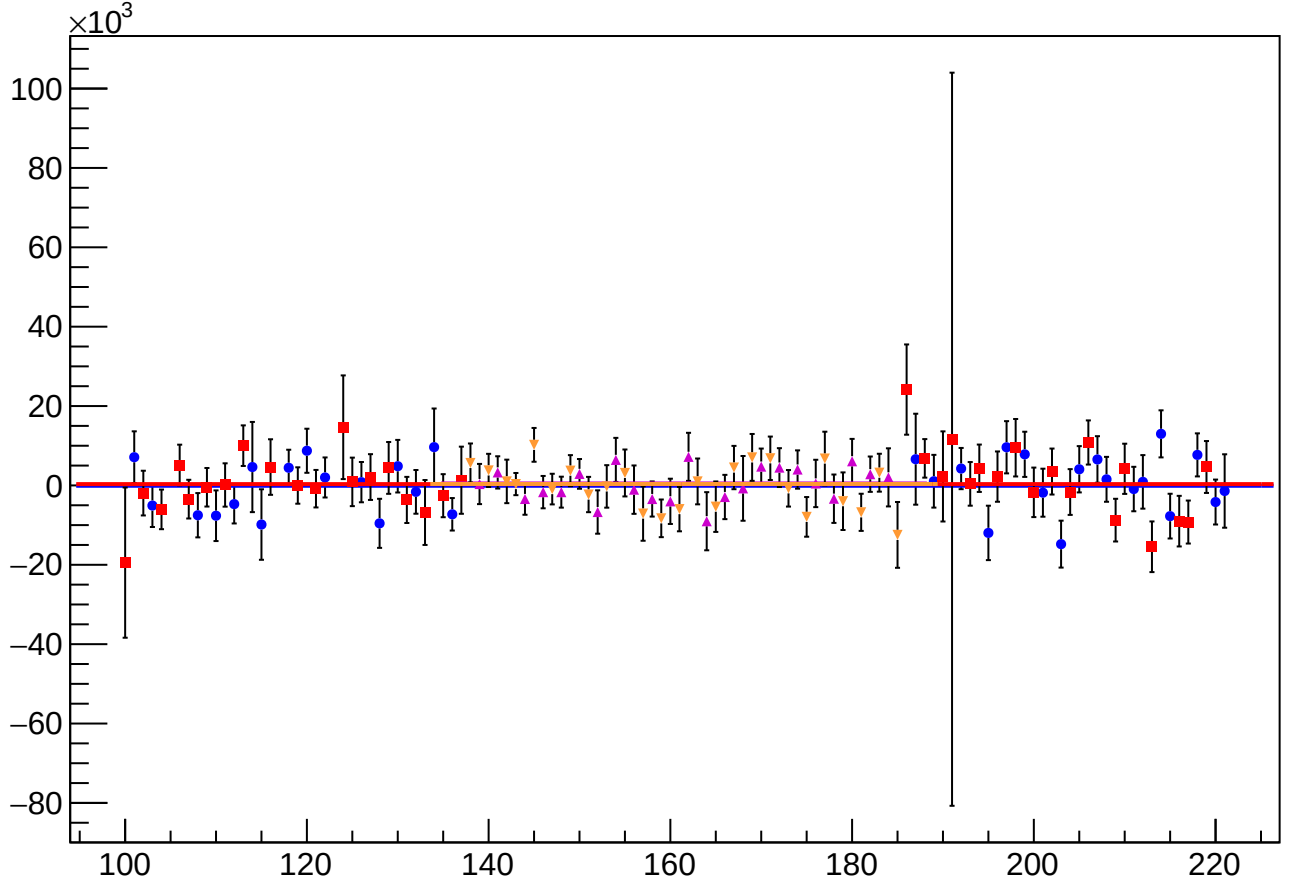
Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

\+ sign 2671.895+/-0.365 χ^2/NDF: 28053382.8/58

All: 3223.076+/-0.293 χ^2/NDF: 39607011.6/1

\- sign 4215.986+/-0.490 χ^2/NDF: 5162501.6/59



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF: 39.1/36

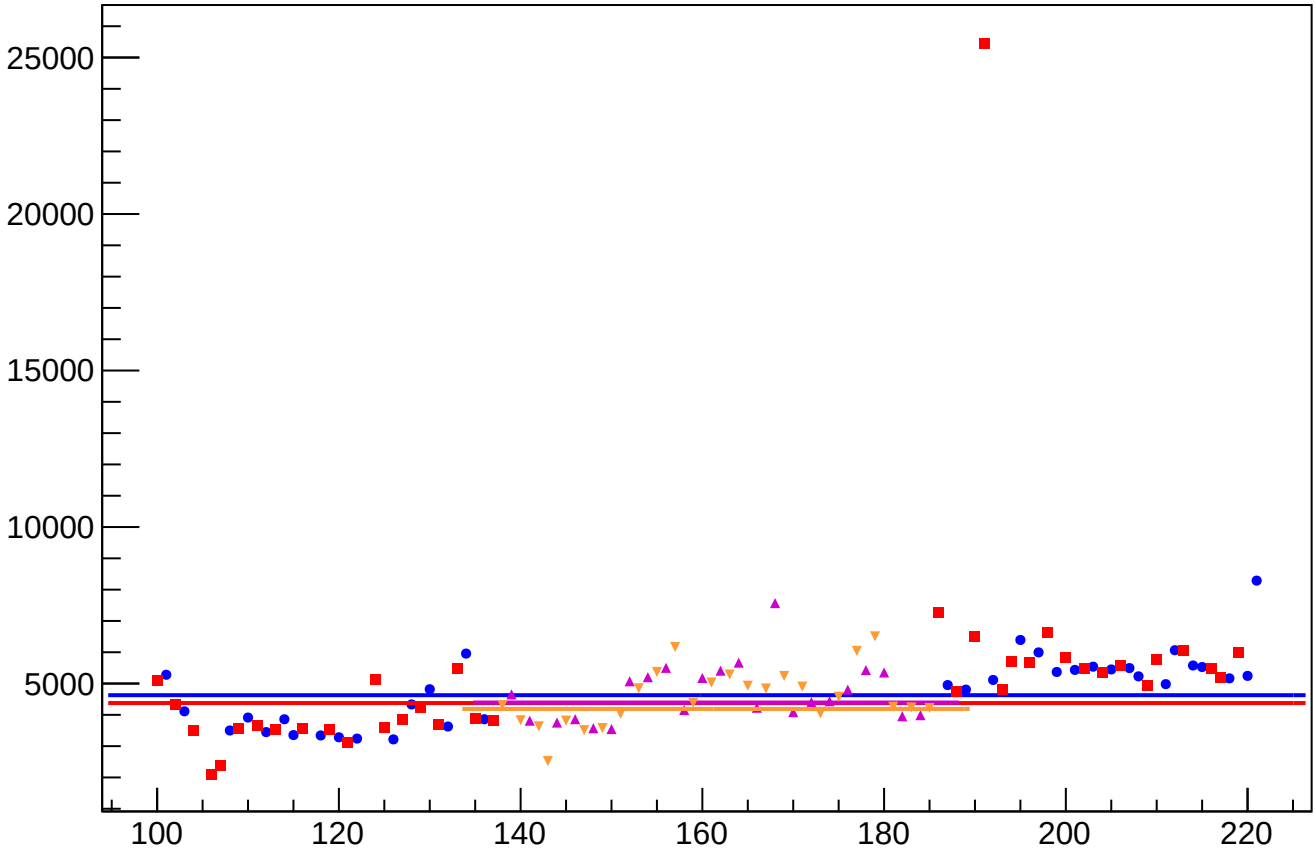
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 147.068+/-705.641 χ^2/NDF: 71.7/58

All: 275.813+/-504.306 χ^2/NDF: 124.8/118

- sign 410.223+/-721.002 χ^2/NDF: 53.0/59

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4628.356+/-0.719 χ^2/NDF: 2095028.5/33

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

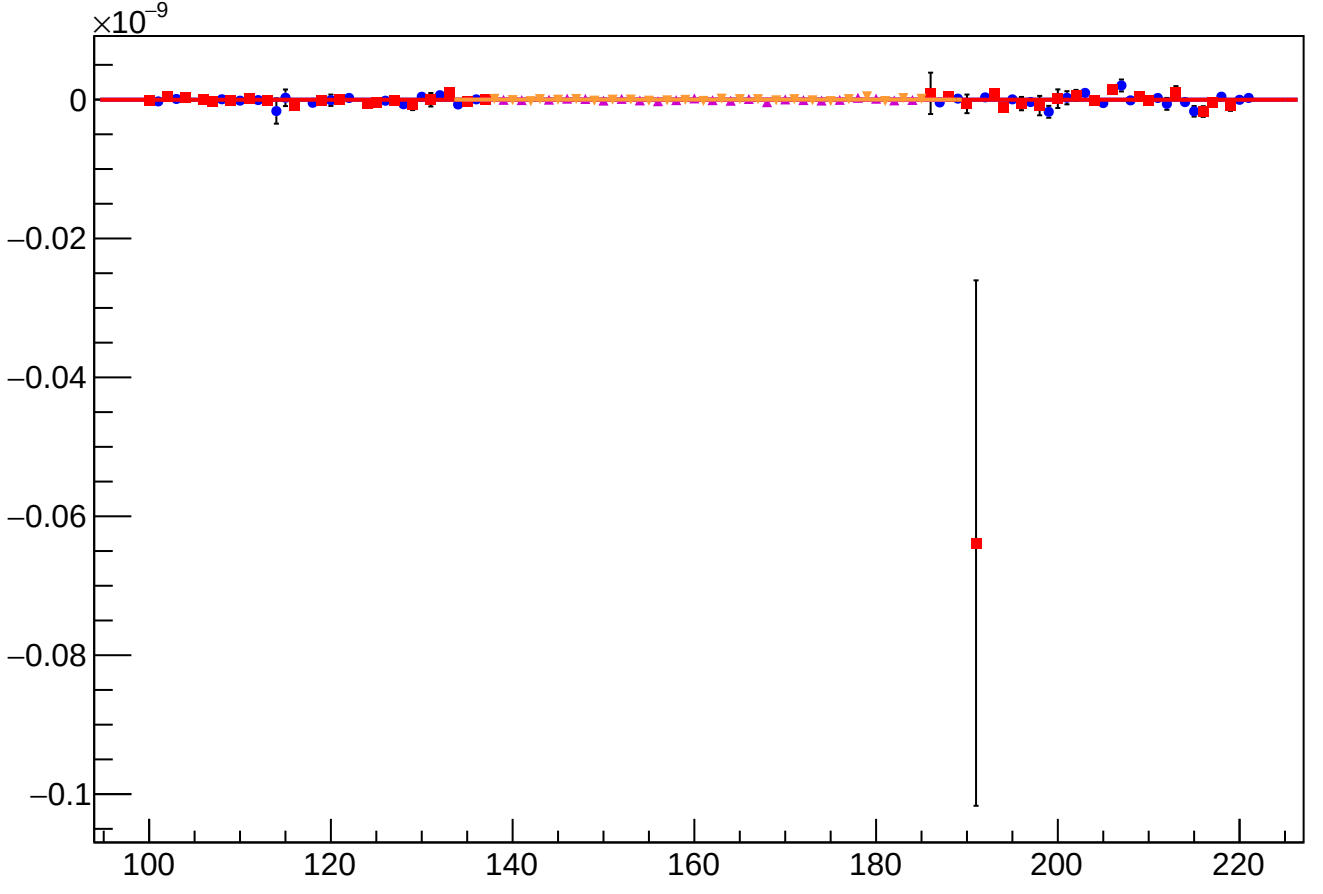
Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4399.906+/-0.499 χ^2/NDF: 4085959.8/58

All: 4392.617+/-0.356 χ^2/NDF: 8189669.5/11

\- sign 4385.069+/-0.508 χ^2/NDF: 4103275.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

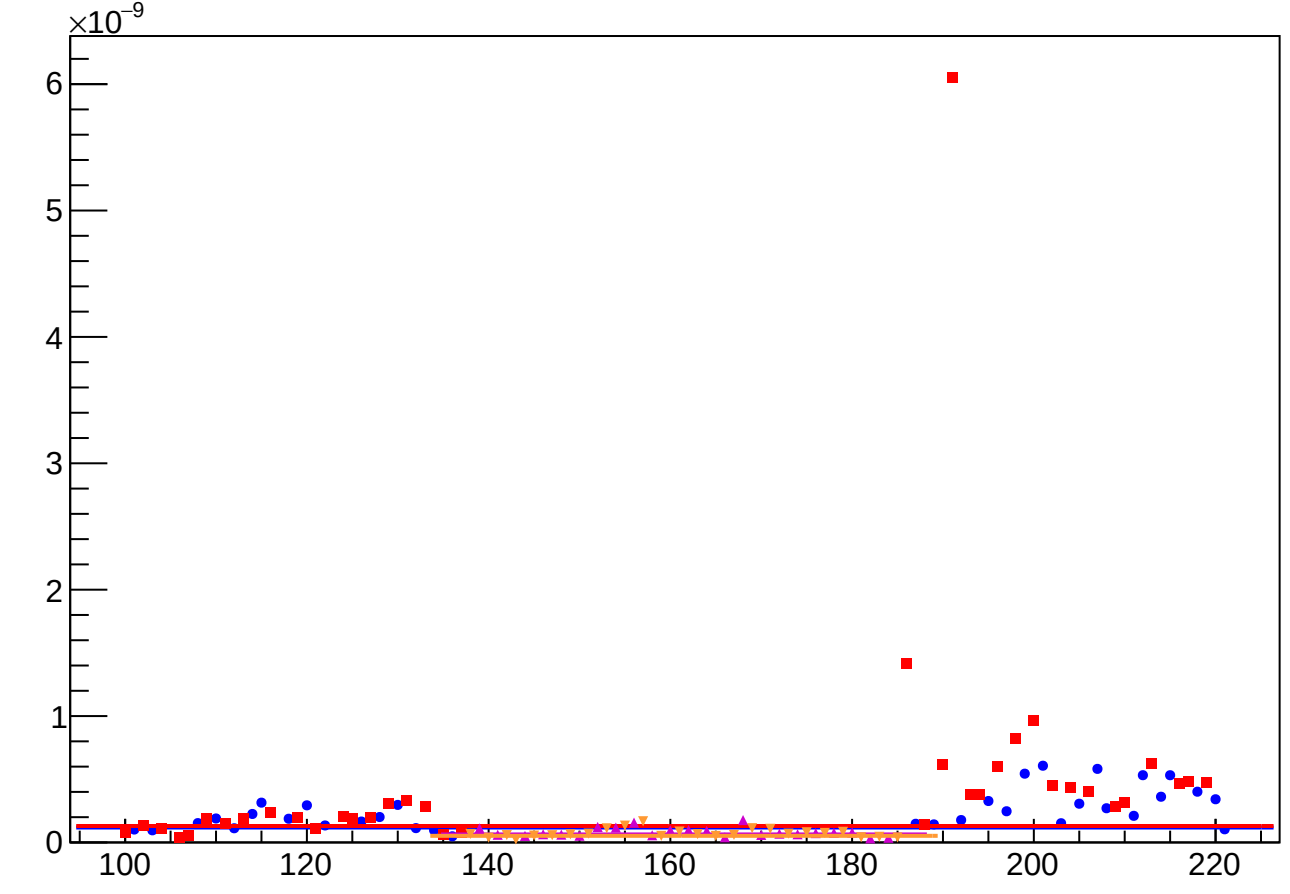
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/58

All: -0.000+/-0.000 χ^2/NDF: 131.5/118

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 6580280.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

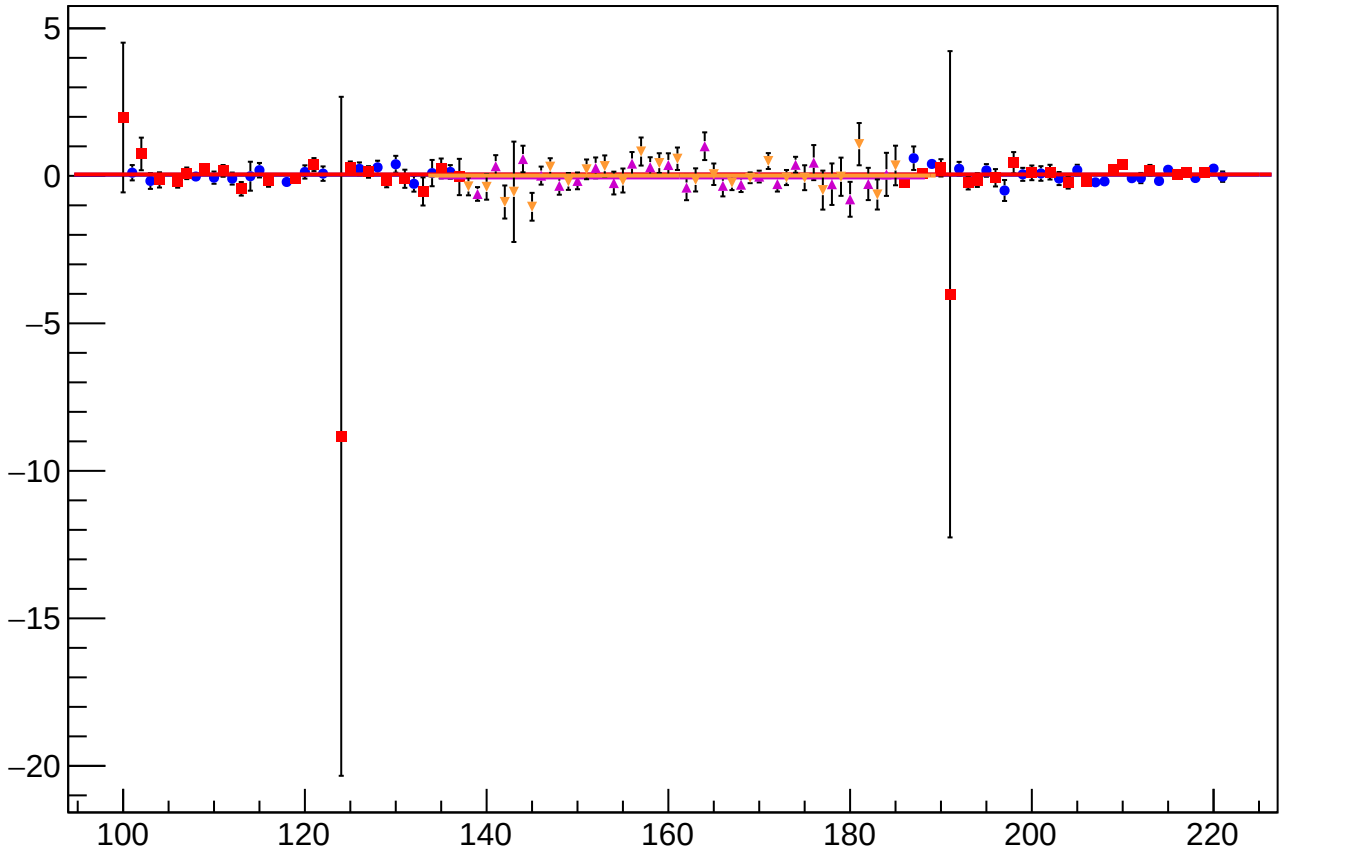
Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11897111.4/58

All: 0.000+/-0.000 χ^2/NDF: 24807649.4/118

- sign 0.000+/-0.000 χ^2/NDF: 12634307.7/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

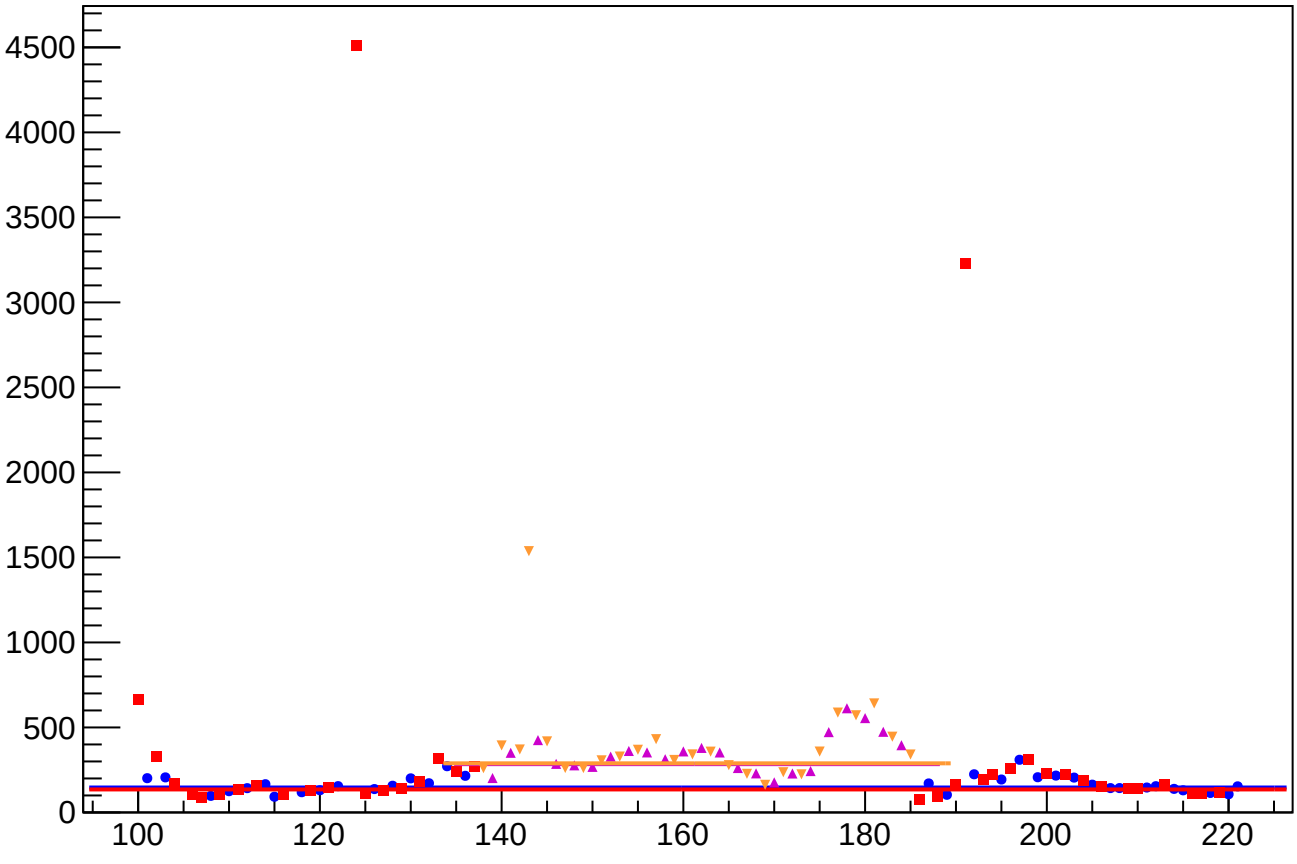
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
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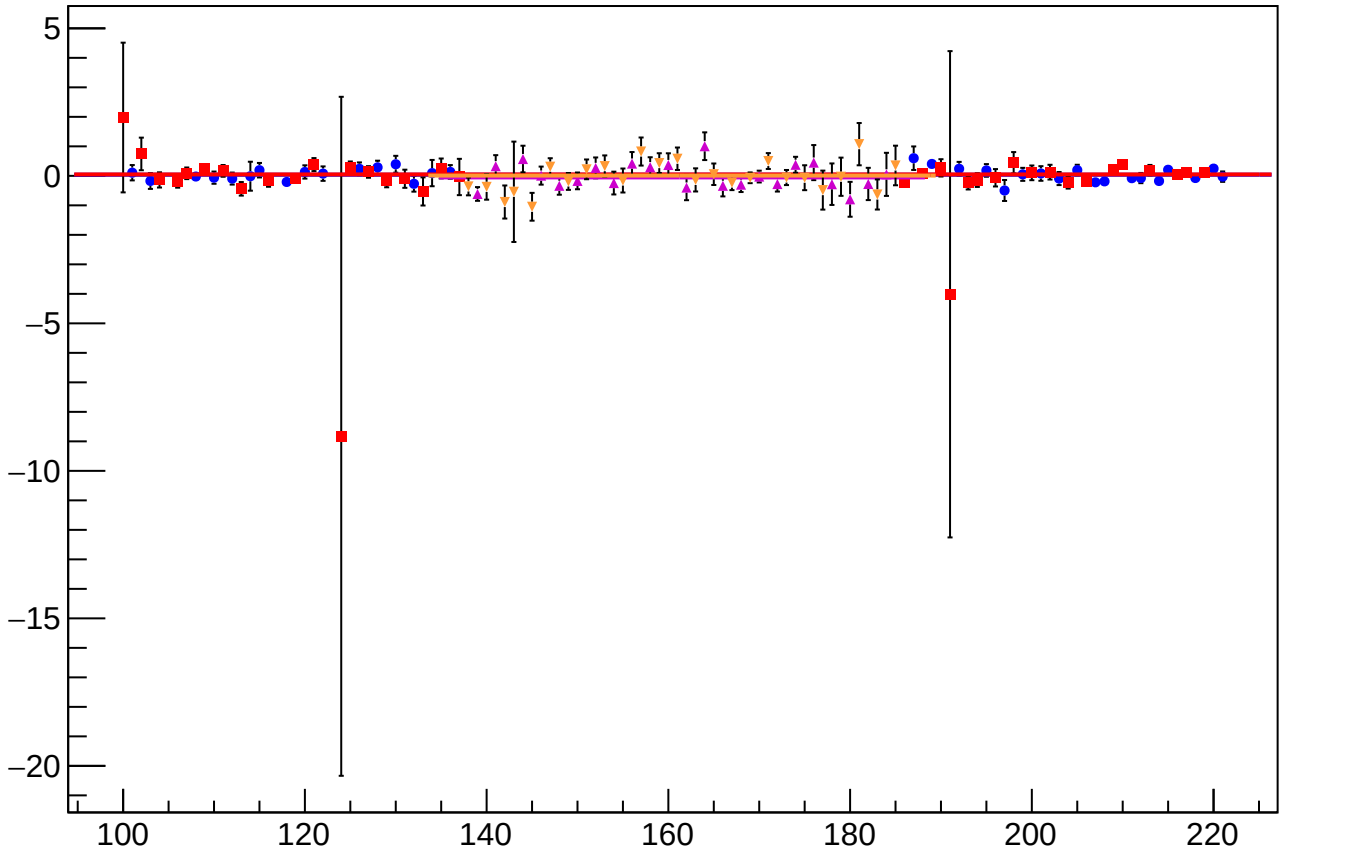
160
180
200
220
Right In: 146.699+/-0.023 χ²/NDF: 2786151.2/33
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 135.355+/-0.023 χ²/NDF: 4934682.1/36
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 172.105+/-0.021 χ²/NDF: 14022479.3/58
All: 166.386+/-0.015 χ²/NDF: 29573288.7/11
- sign 160.971+/-0.021 χ²/NDF: 15409459.6/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

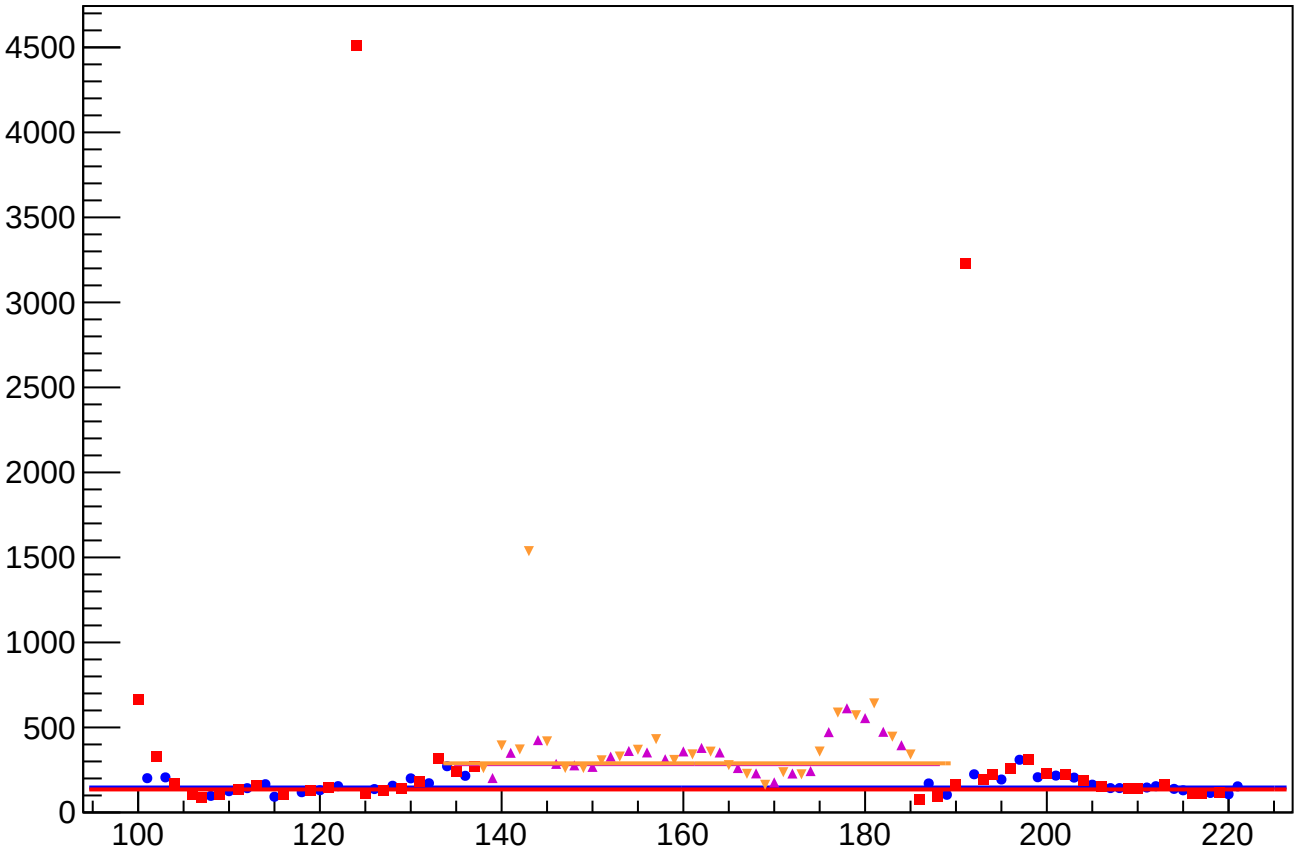
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

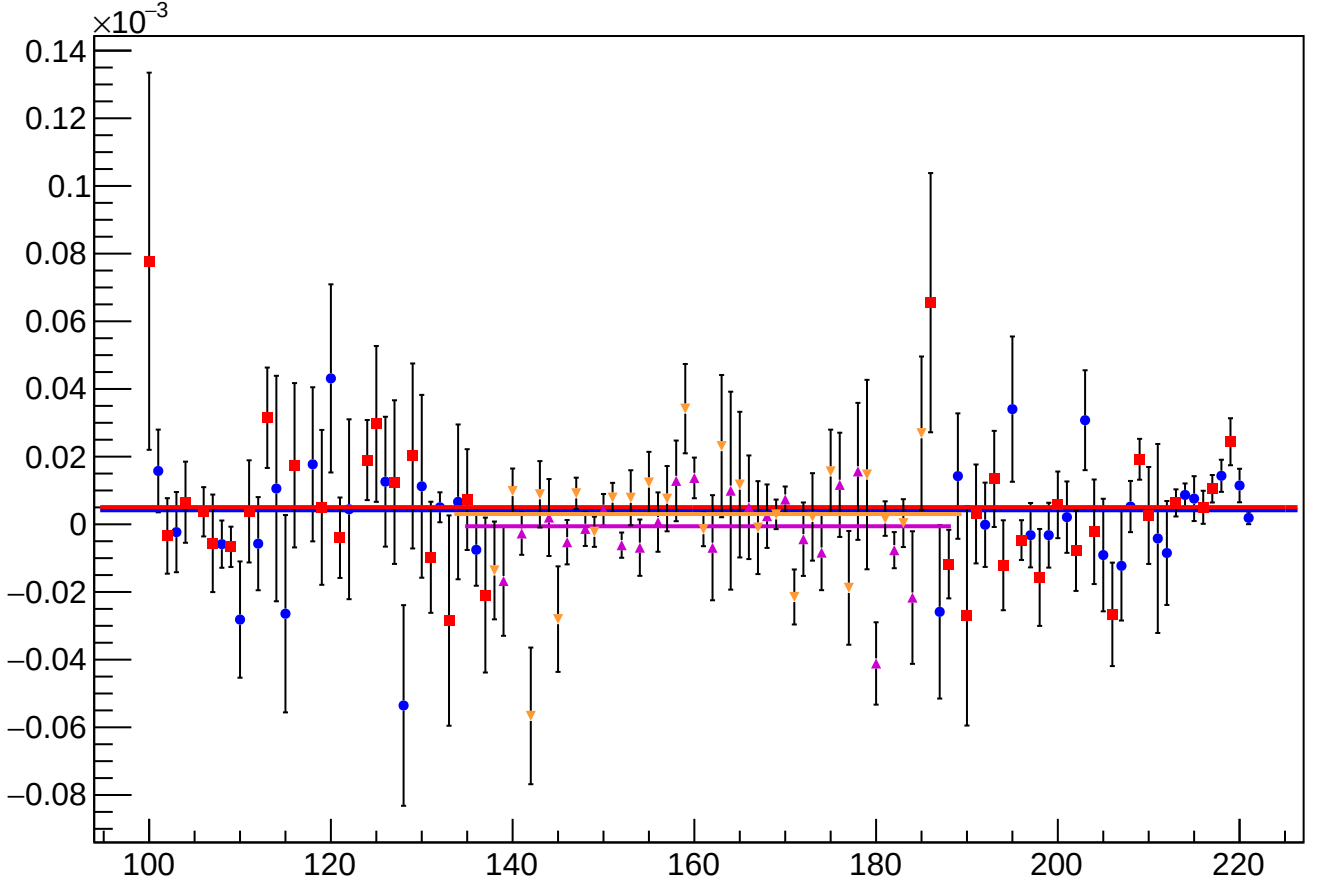
Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

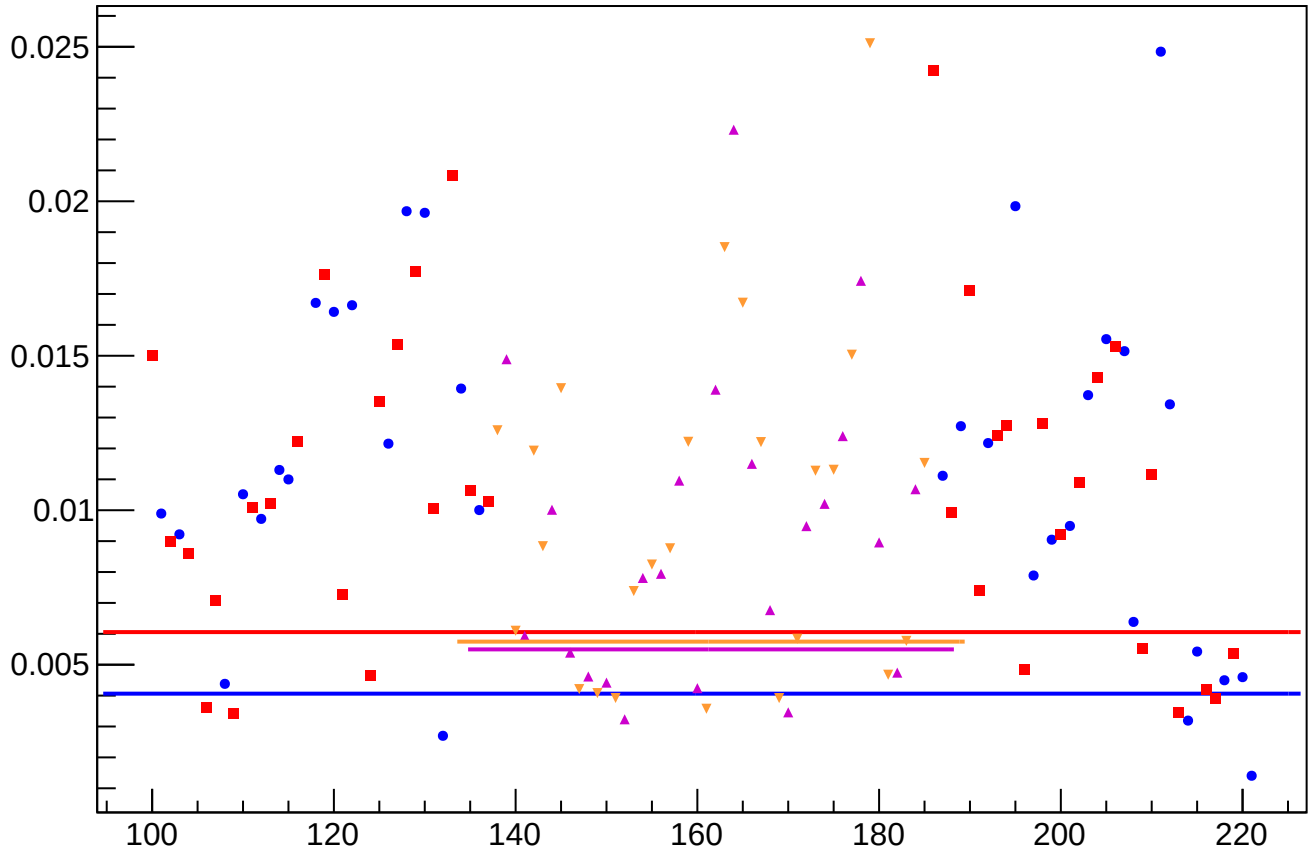
Right Out: 0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.6/58

All: 0.000+/-0.000 χ^2/NDF: 171.6/118

- sign 0.000+/-0.000 χ^2/NDF: 90.9/59



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

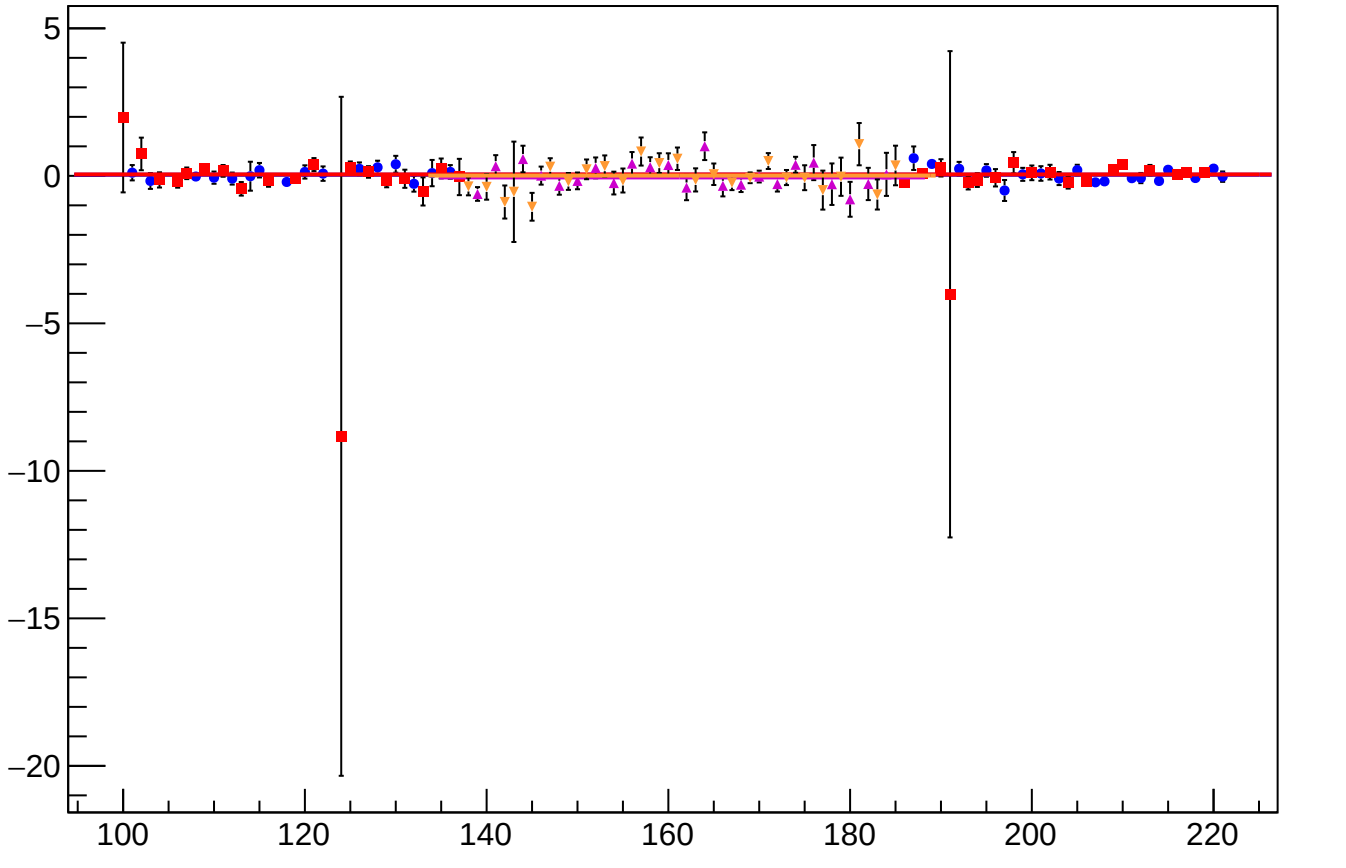
Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.005+/-0.000 χ^2/NDF: 28552169.1/58

All: 0.005+/-0.000 χ^2/NDF: 46554619.6/118

- sign 0.006+/-0.000 χ^2/NDF: 16938126.0/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

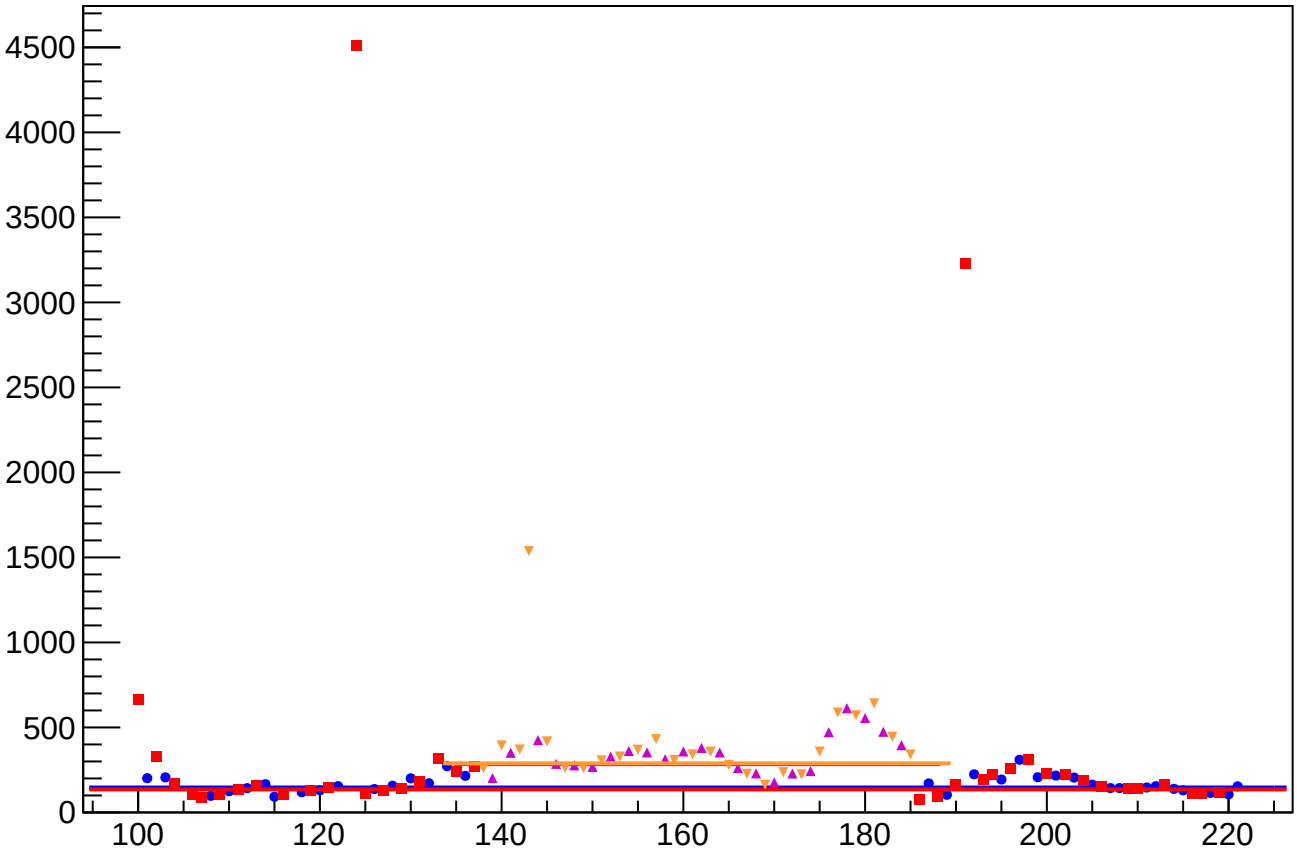
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug
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200
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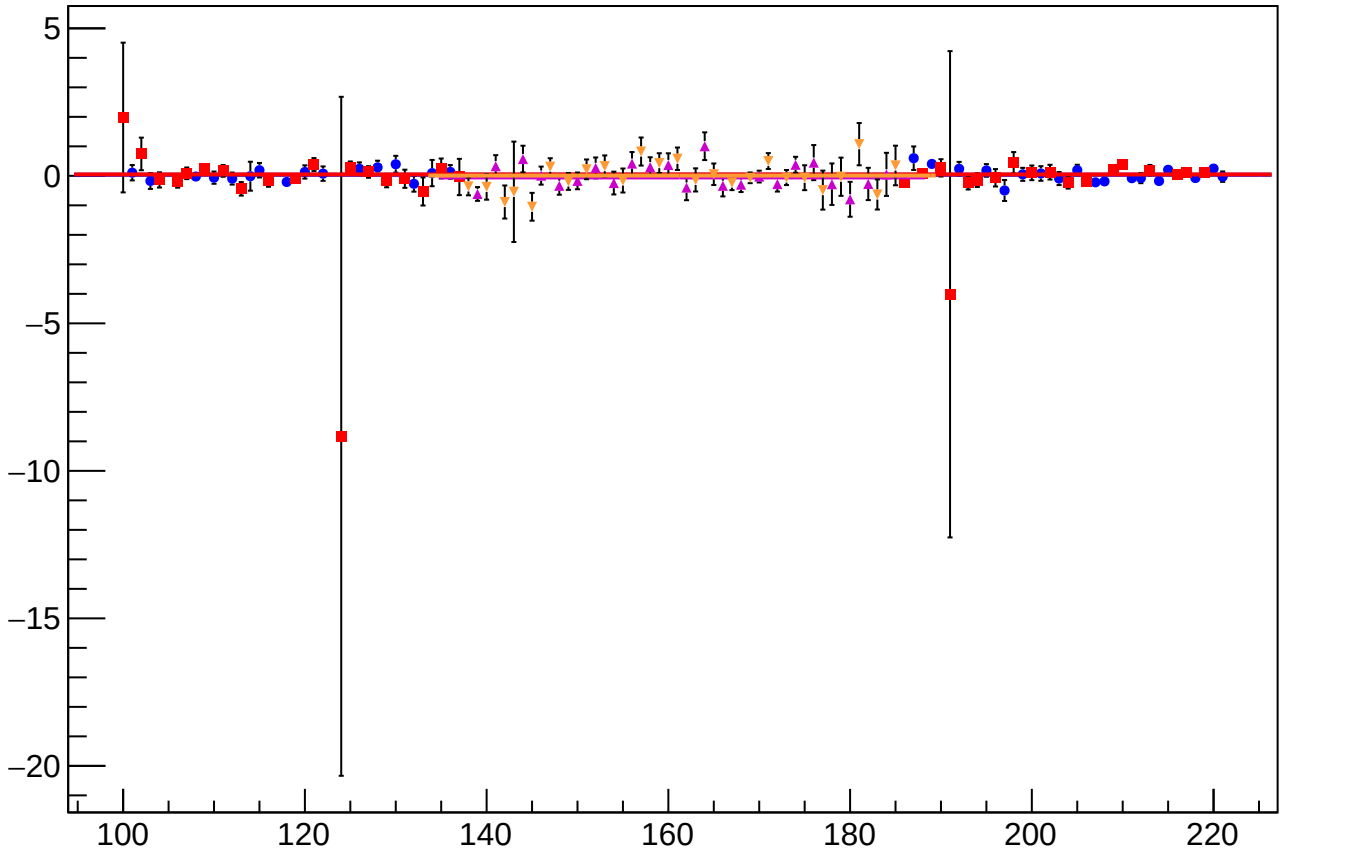
Right In: 146.699+/-0.023 χ²/NDF: 2786160.0/33
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 135.357+/-0.023 χ²/NDF: 4934505.2/36
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 172.106+/-0.021 χ²/NDF: 14022616.4/58
All: 166.388+/-0.015 χ²/NDF: 29573167.1/11
- sign 160.973+/-0.021 χ²/NDF: 15409243.8/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

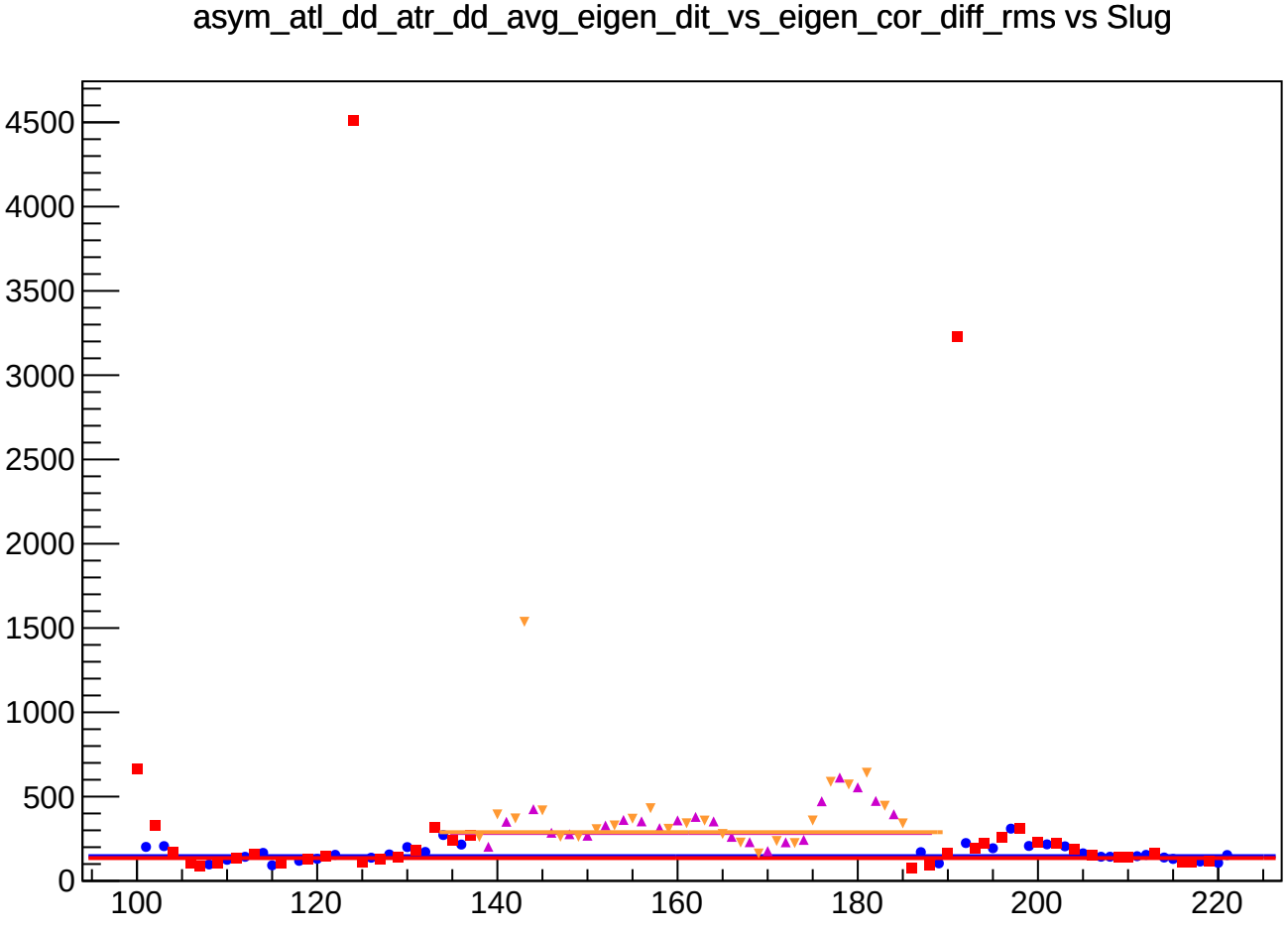
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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180
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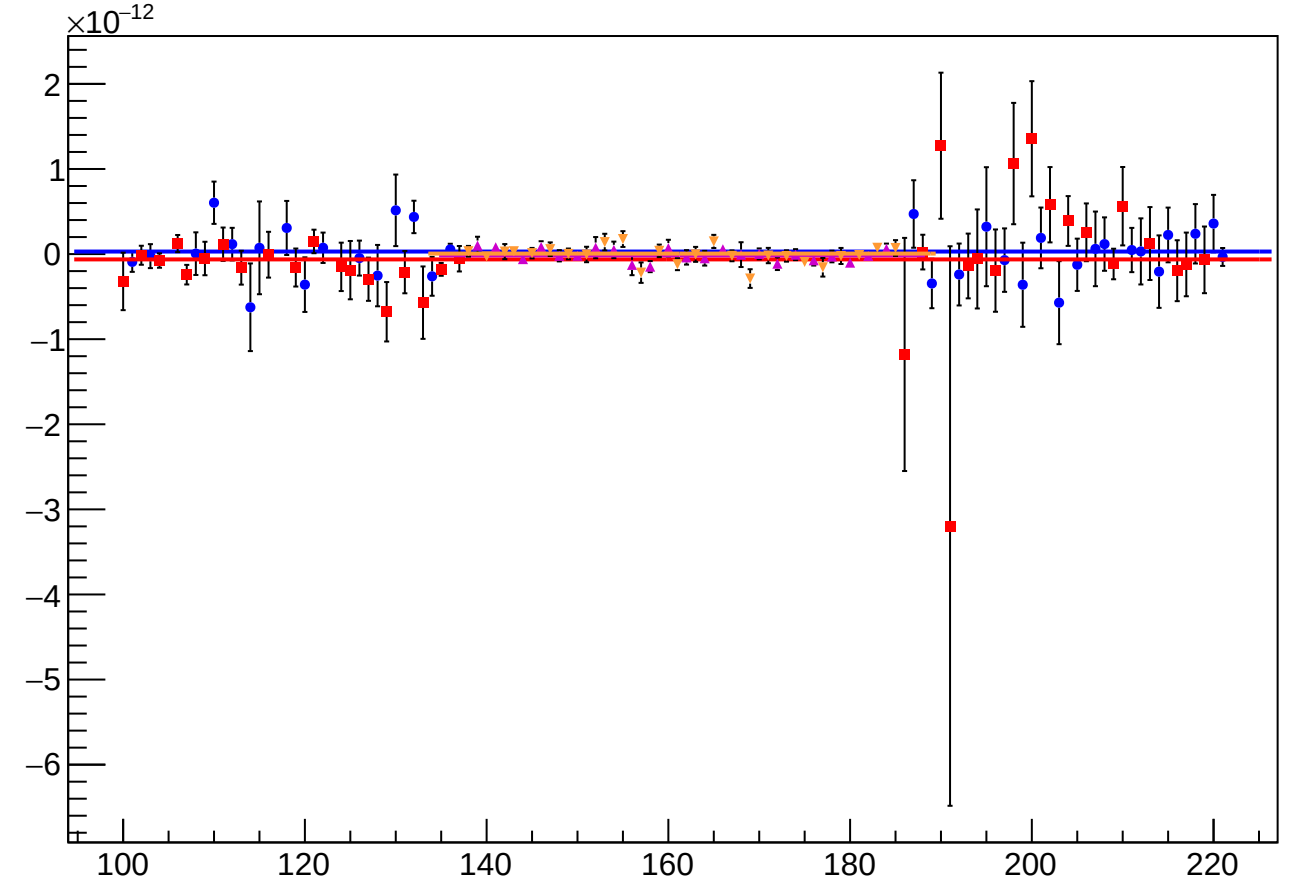
Right In: 146.699+/-0.023 χ²/NDF: 2786160.0/33
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 135.357+/-0.023 χ²/NDF: 4934505.2/36
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 172.106+/-0.021 χ²/NDF: 14022616.4/58
All: 166.388+/-0.015 χ²/NDF: 29573167.1/11
- sign 160.973+/-0.021 χ²/NDF: 15409243.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

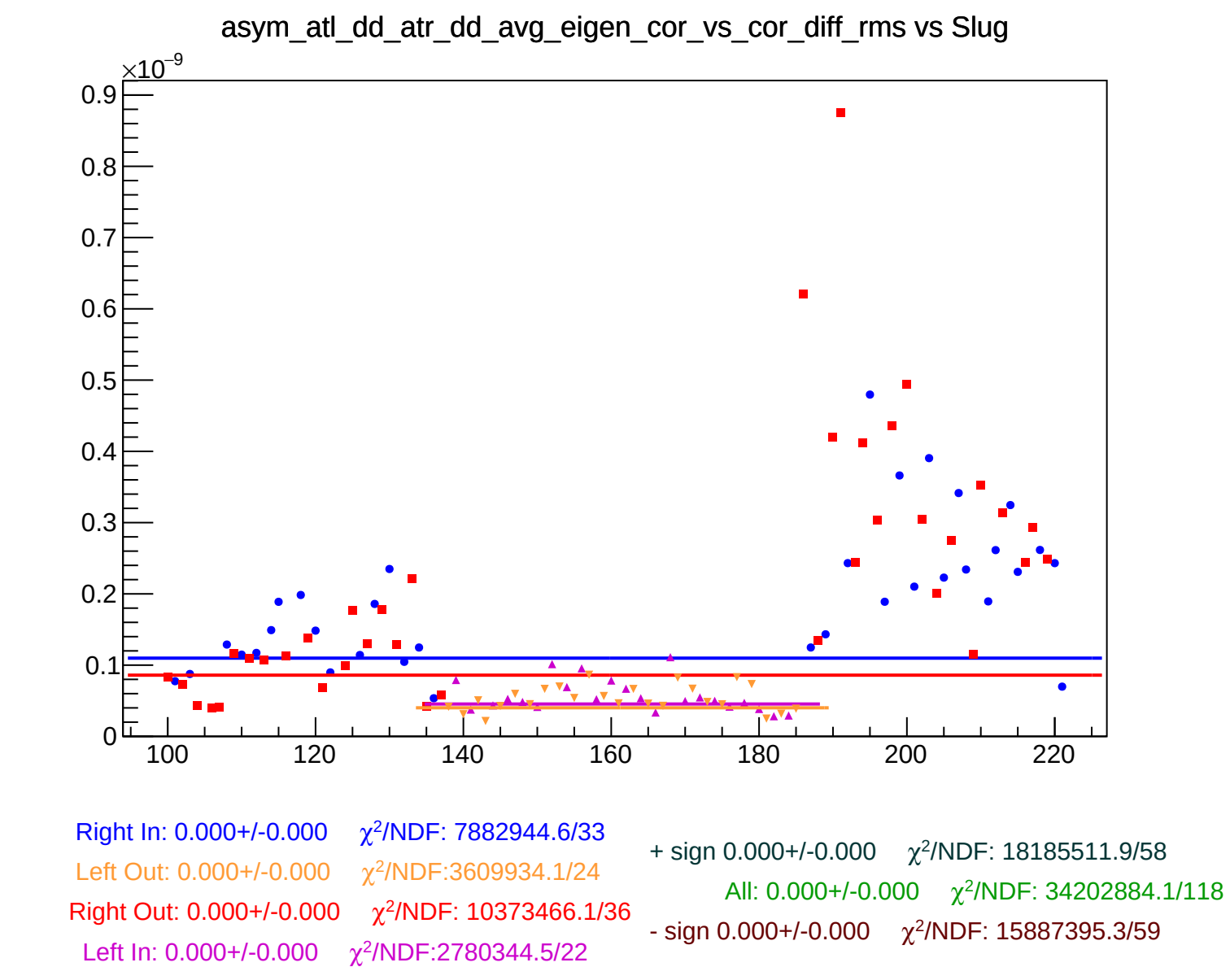
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/58

All: -0.000+/-0.000 χ^2/NDF: 128.1/118

- sign -0.000+/-0.000 χ^2/NDF: 62.6/59


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
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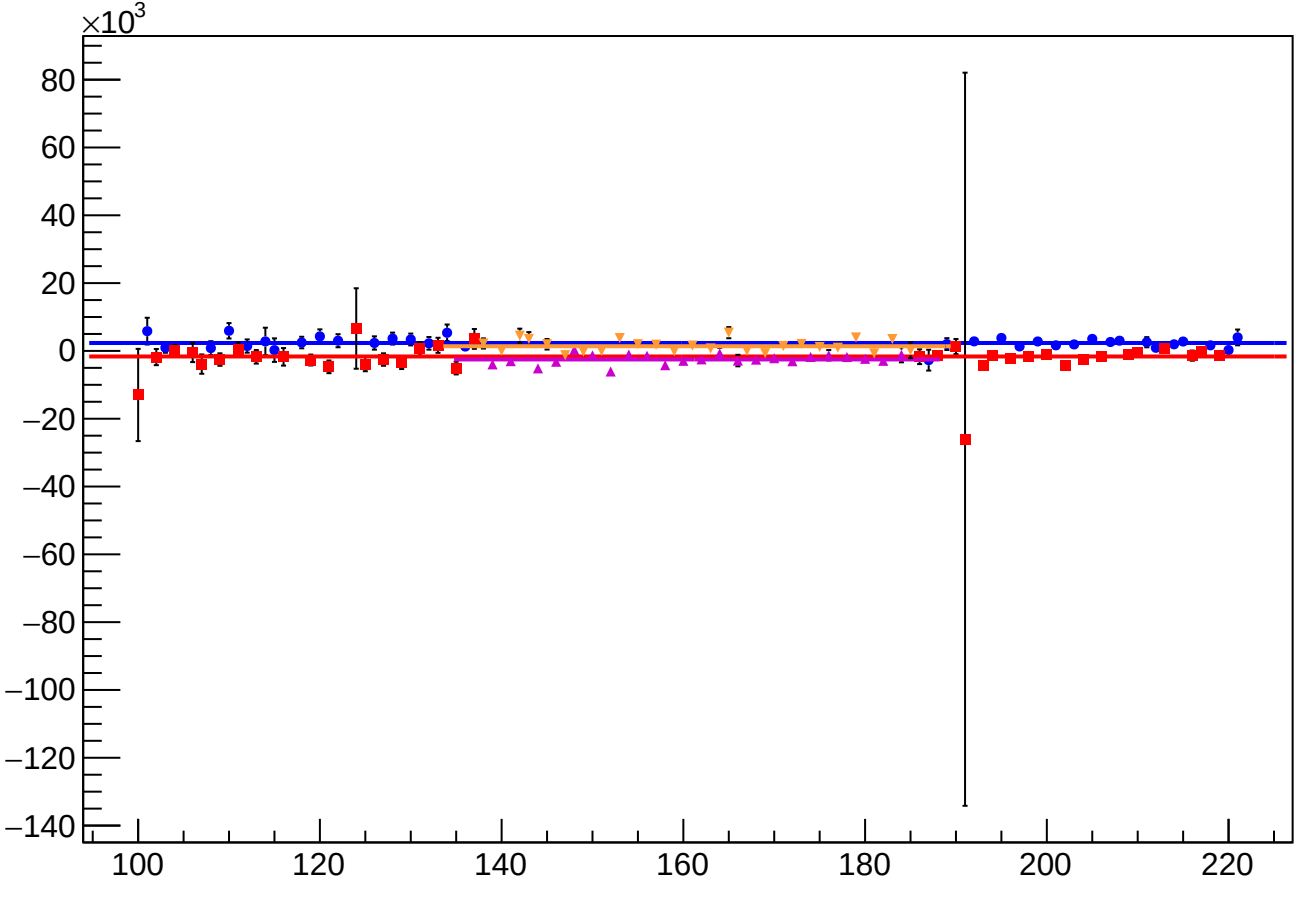
220
Right In: 0.000+/-0.000 χ²/NDF: 7882944.6/33
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 10373466.1/36
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 18185511.9/58
All: 0.000+/-0.000 χ²/NDF: 34202884.1/118
- sign 0.000+/-0.000 χ²/NDF: 15887395.3/59



Right In: 2338.263+/-282.681 χ^2/NDF: 19.5/33

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1641.030+/-286.303 χ^2/NDF: 34.4/36

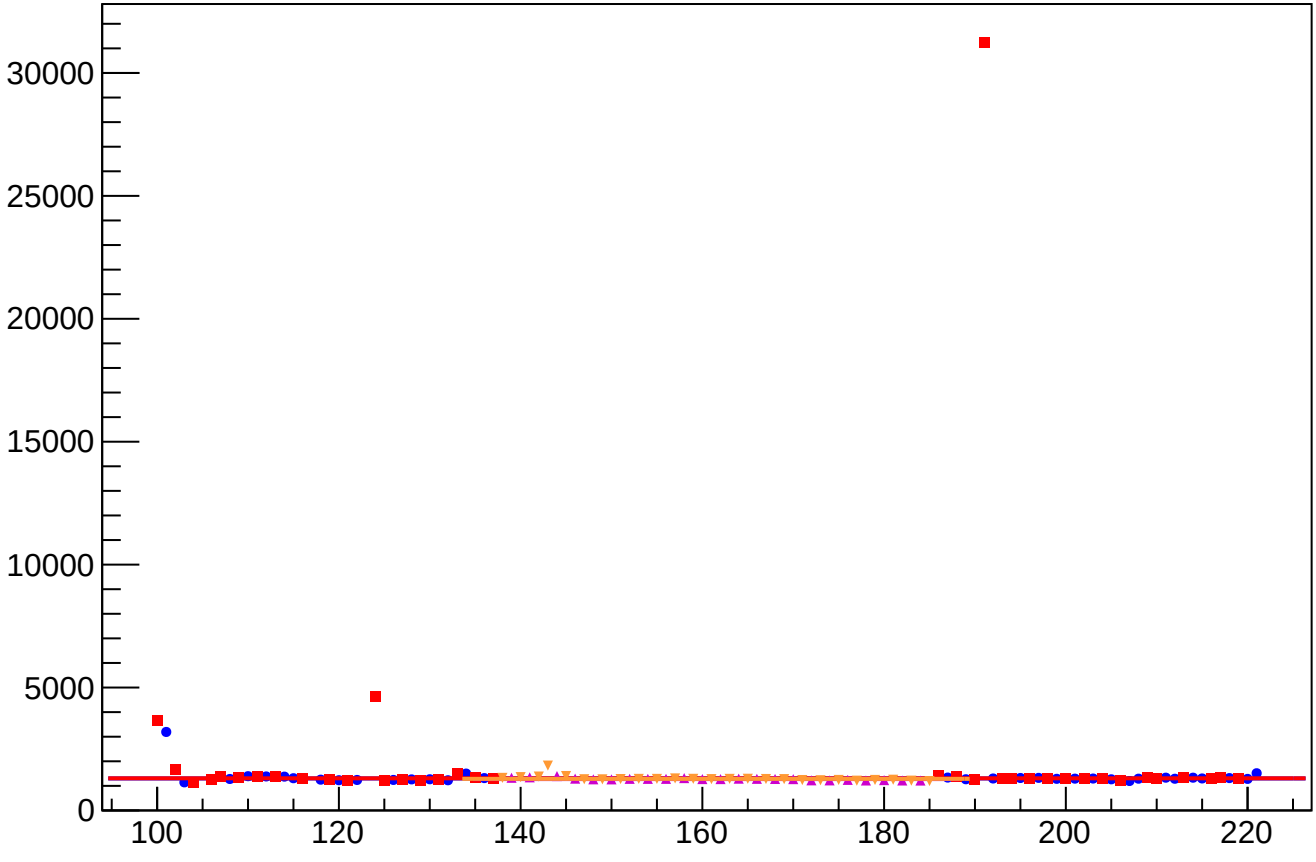
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1877.506+/-203.361 χ^2/NDF: 57.9/58

All: -62.410+/-144.892 χ^2/NDF: 304.1/118

- sign -2062.481+/-206.490 χ^2/NDF: 61.4/59

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.369+/-0.200 χ^2/NDF: 552310.4/33

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

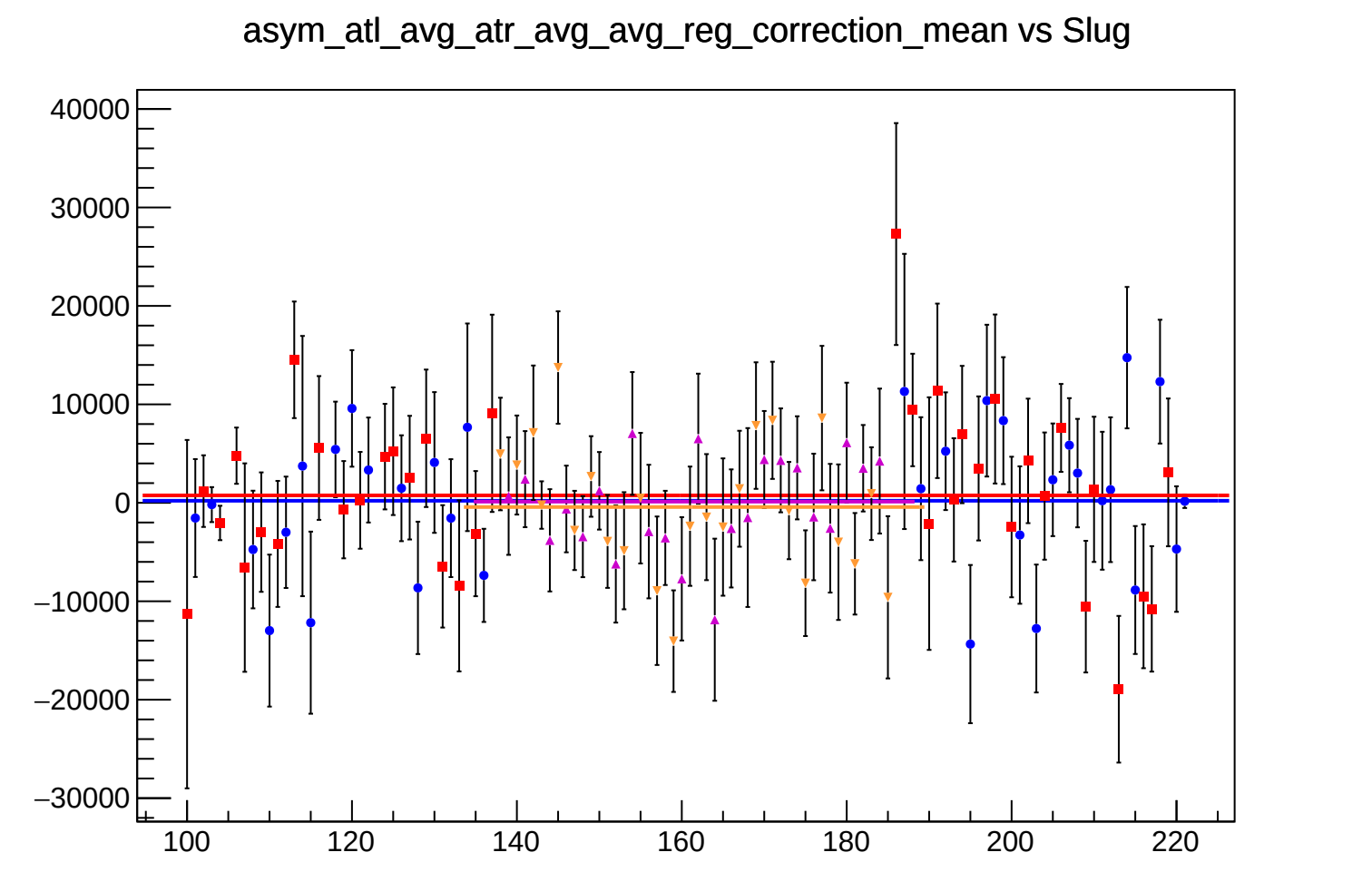
Right Out: 1307.738+/-0.202 χ^2/NDF: 507123.4/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.785+/-0.144 χ^2/NDF: 746321.8/58

All: 1293.150+/-0.102 χ^2/NDF: 1306731.6/11

- sign 1292.495+/-0.146 χ^2/NDF: 560370.1/59



Right In: 209.549+/-557.759 χ^2/NDF: 39.6/33

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

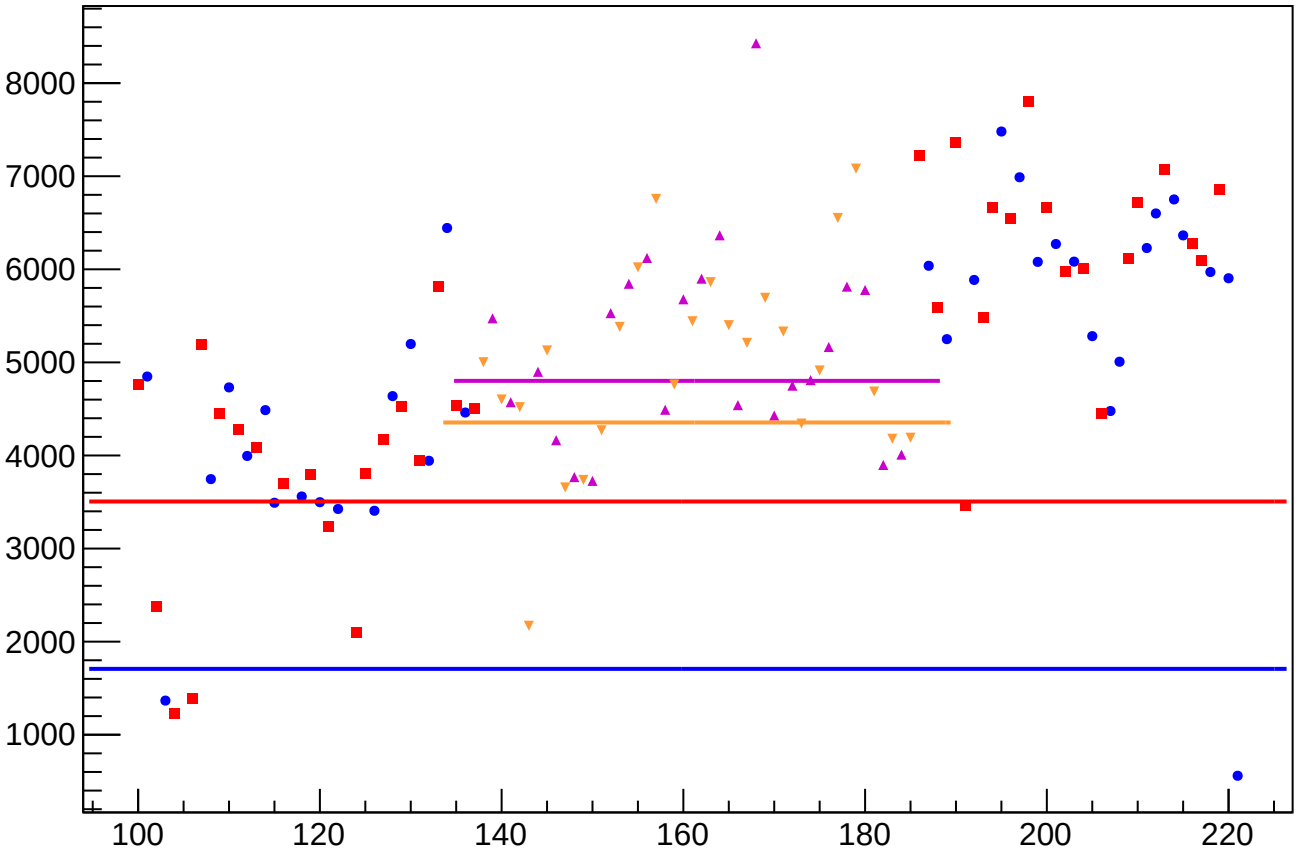
Right Out: 753.935+/-886.655 χ^2/NDF: 47.4/36

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign 66.598+/-491.325 χ^2/NDF: 69.7/58

All: 214.639+/-402.334 χ^2/NDF: 131.1/118

- sign 515.968+/-700.969 χ^2/NDF: 61.2/59



Right In: 1707.546+/-0.394 χ^2/NDF: 24329797.7/33

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

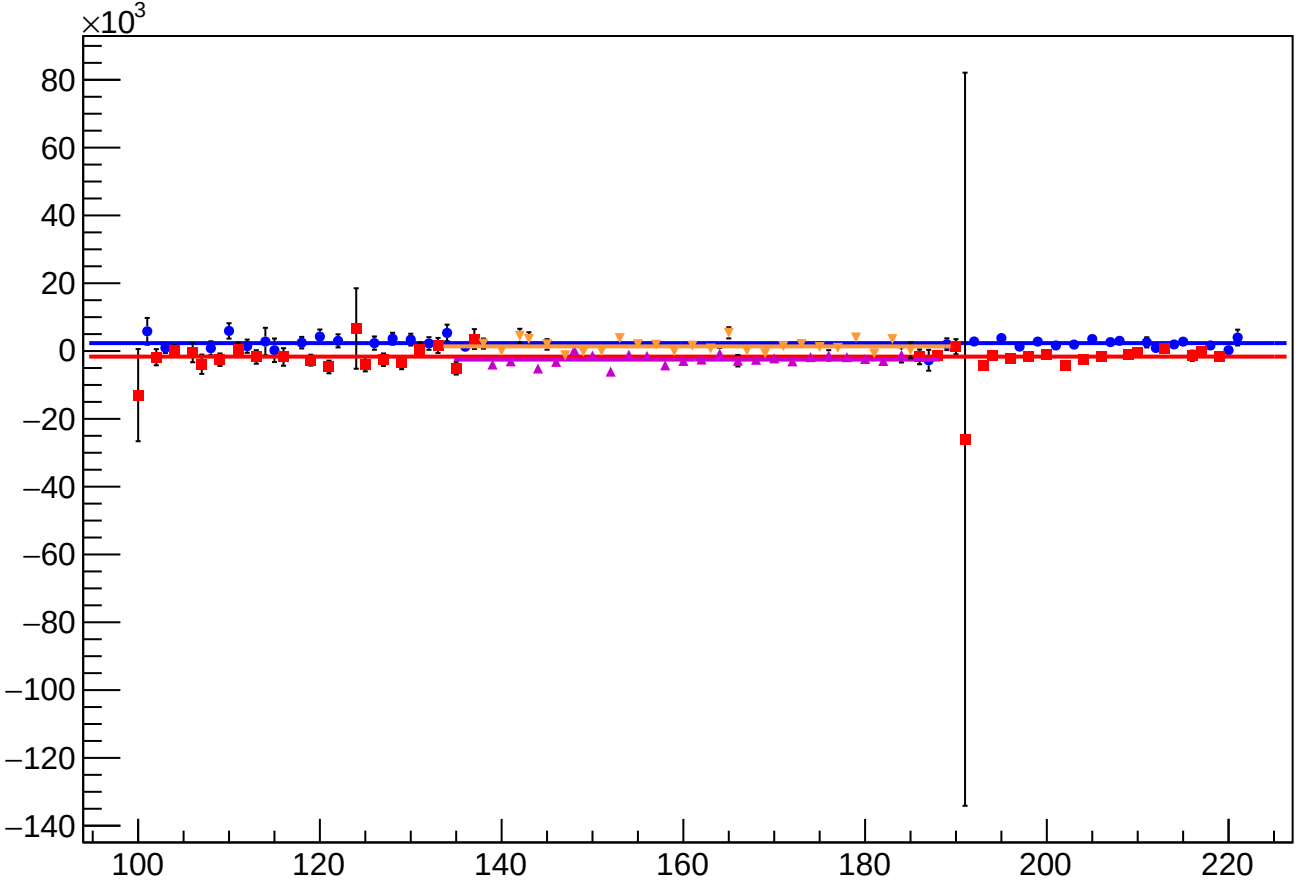
Right Out: 3505.594+/-0.627 χ^2/NDF: 10670159.0/36

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 2300.555+/-0.347 χ^2/NDF: 37492564.7/58

All: 2857.644+/-0.284 χ^2/NDF: 58801734.4/1

- sign 3991.571+/-0.496 χ^2/NDF: 13504307.9/59



Right In: 2338.149+/-282.681 χ^2/NDF: 19.5/33

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1640.971+/-286.303 χ^2/NDF: 34.4/36

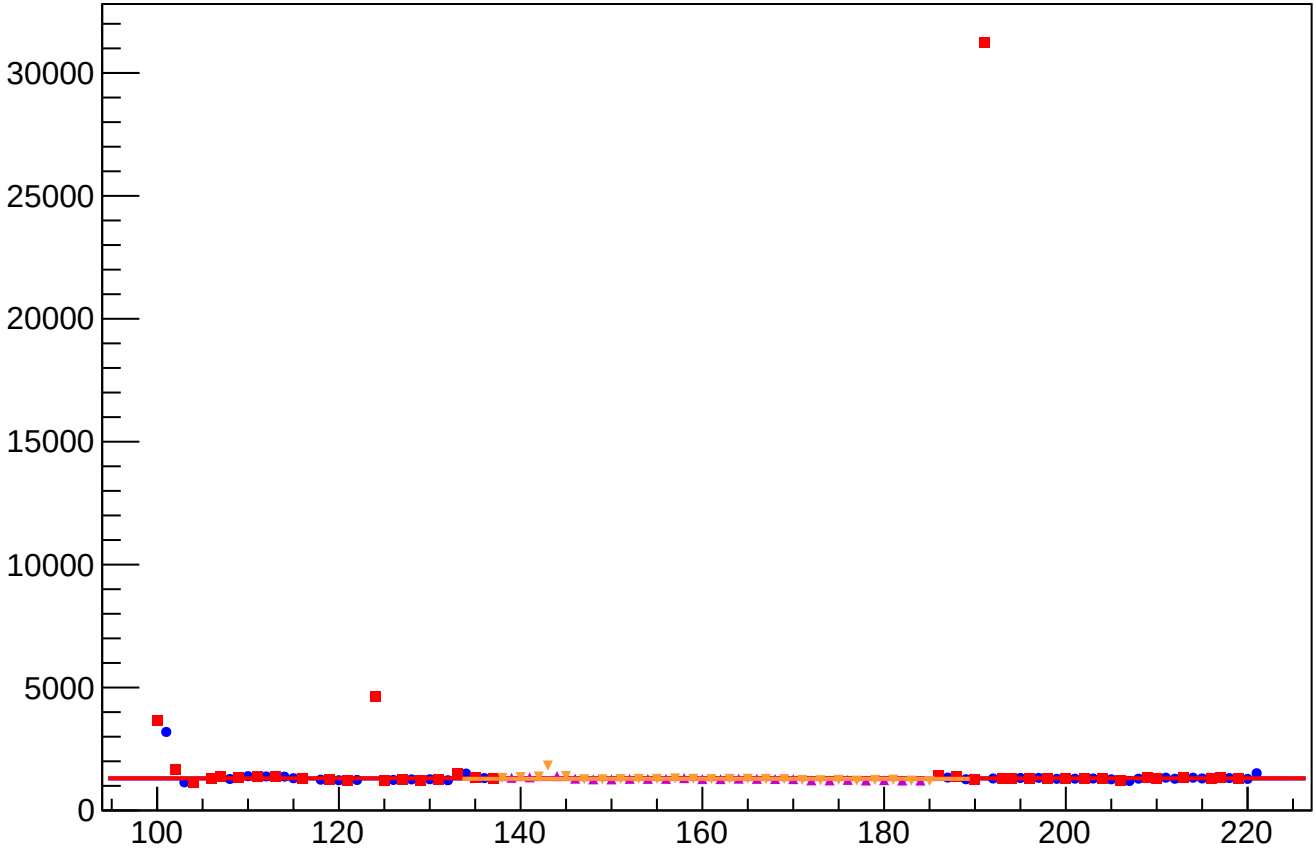
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1877.417+/-203.361 χ^2/NDF: 57.9/58

All: -62.441+/-144.892 χ^2/NDF: 304.1/118

- sign -2062.451+/-206.490 χ^2/NDF: 61.4/59

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.369+/-0.200 χ^2/NDF: 552311.9/33

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

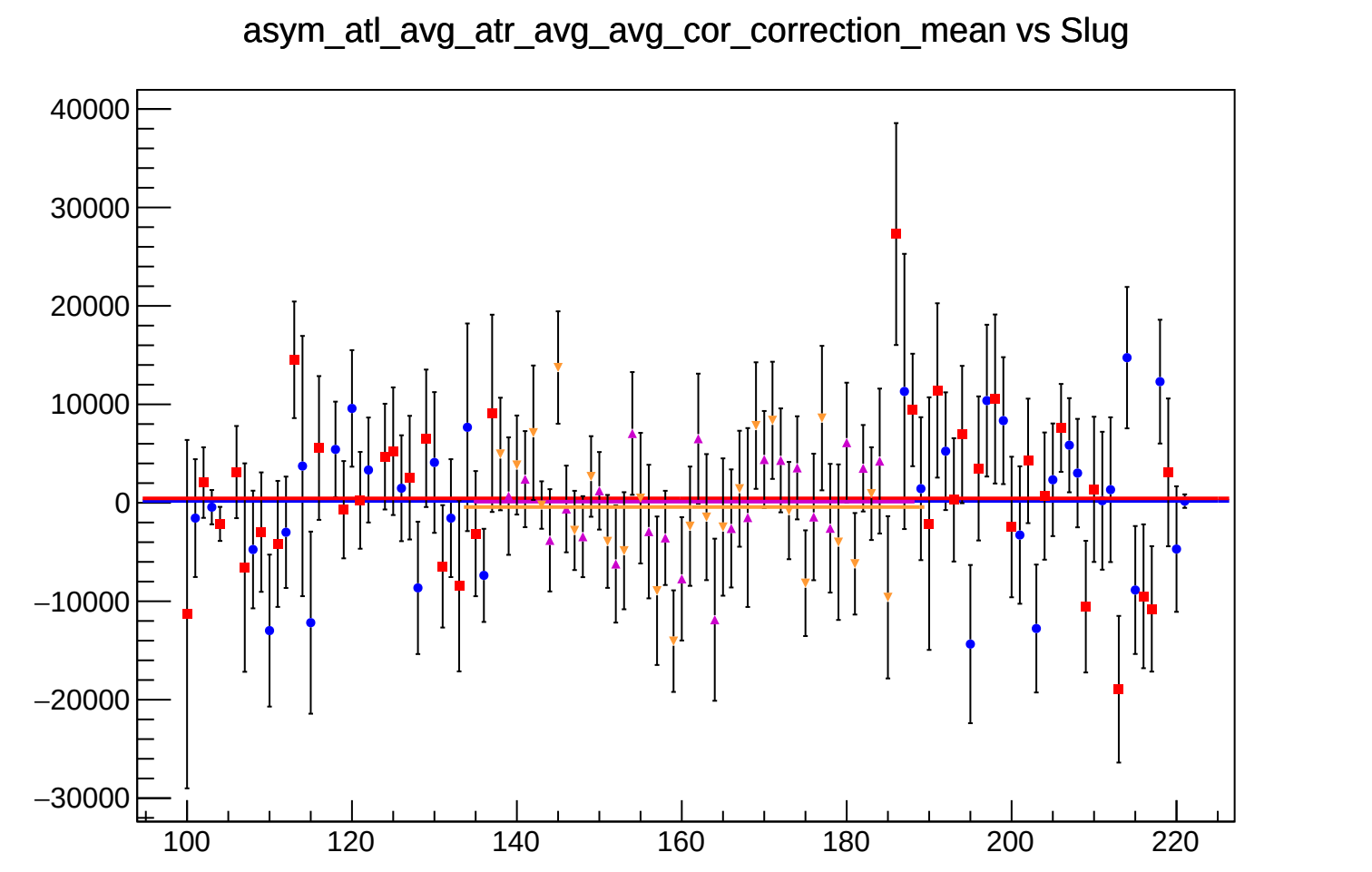
Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.785+/-0.144 χ^2/NDF: 746323.3/58

All: 1293.244+/-0.102 χ^2/NDF: 1306665.9/11

- sign 1292.686+/-0.146 χ^2/NDF: 560313.9/59



Right In: 188.073+/-557.020 χ^2/NDF: 39.6/33

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

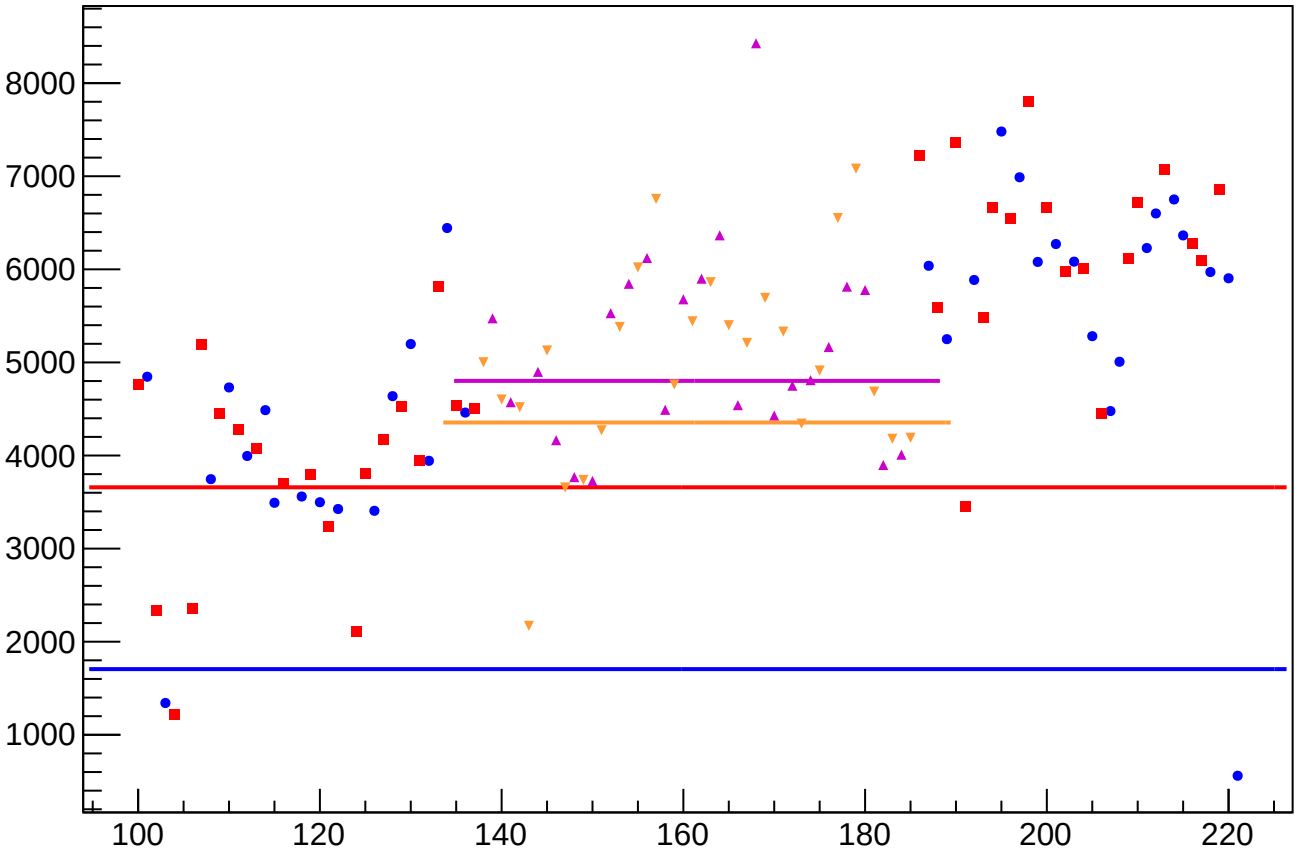
Right Out: 449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign 50.219+/-490.819 χ^2/NDF: 69.7/58

All: 137.343+/-404.303 χ^2/NDF: 129.4/118

- sign 321.239+/-713.080 χ^2/NDF: 59.6/59



Right In: 1705.551+/-0.394 χ^2/NDF: 24326400.0/33

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

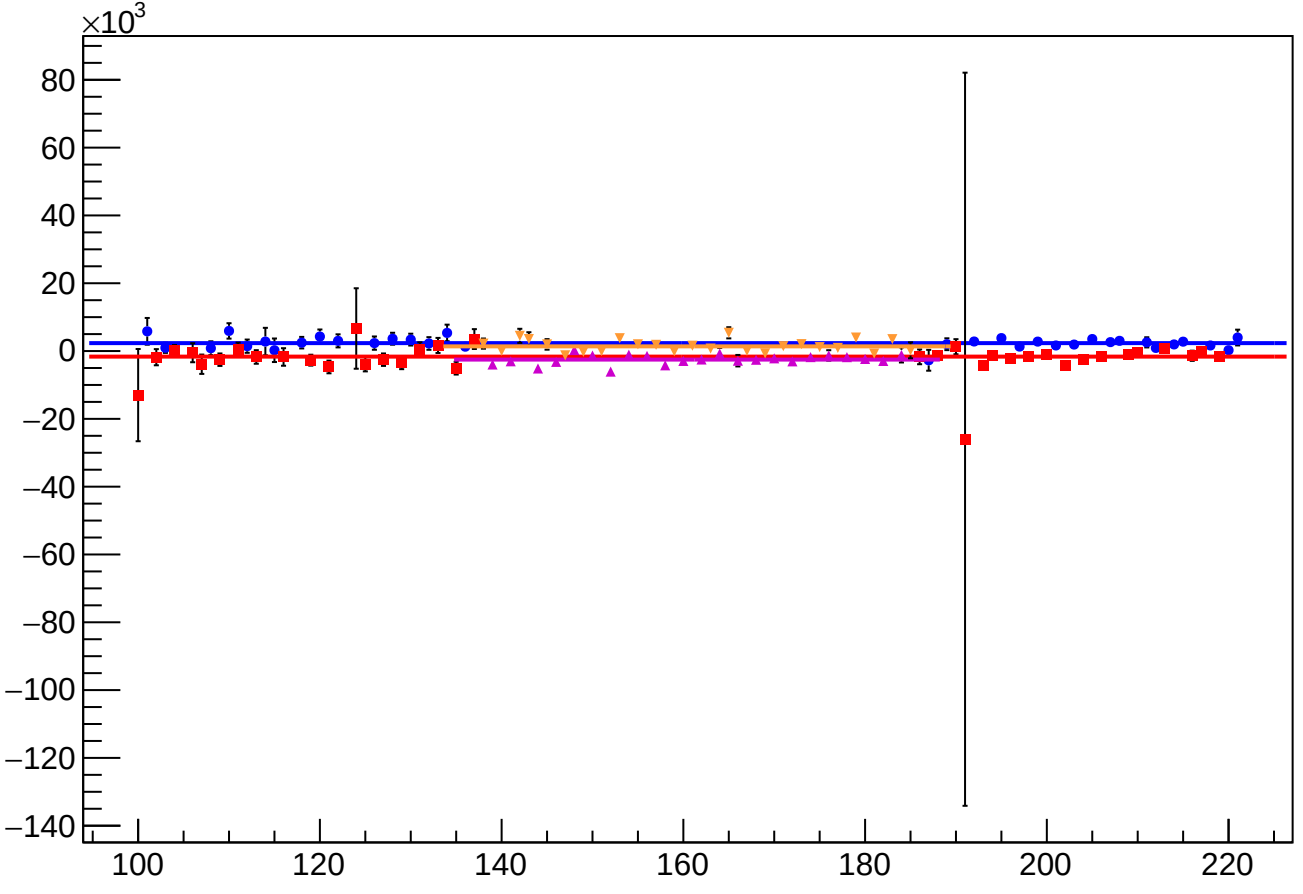
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 2297.785+/-0.347 χ^2/NDF: 37510399.5/58

All: 2877.809+/-0.286 χ^2/NDF: 58402579.1/1

\- sign 4102.088+/-0.504 χ^2/NDF: 12203702.4/59

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2338.149+/-282.681 χ^2/NDF: 19.5/33

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1640.971+/-286.303 χ^2/NDF: 34.4/36

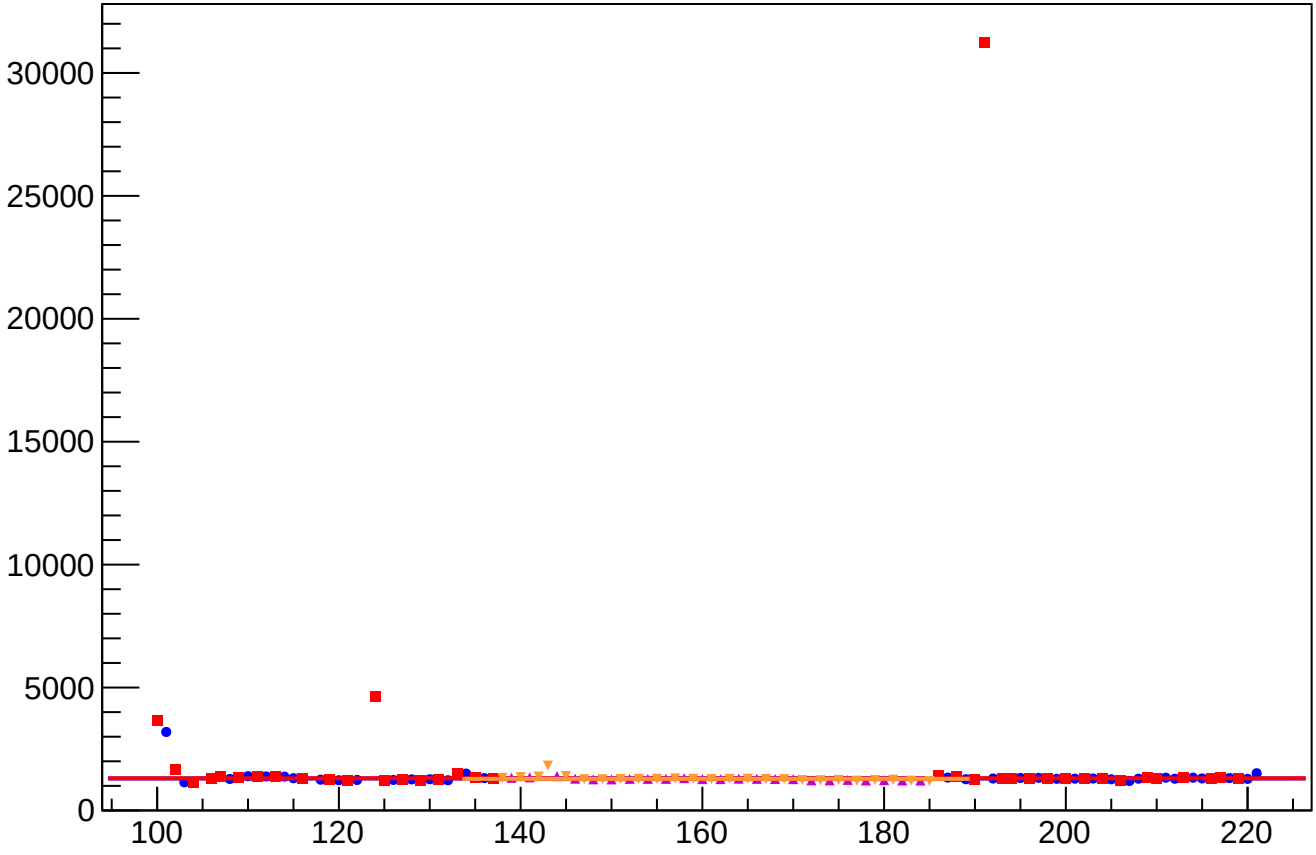
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1877.417+/-203.361 χ^2/NDF: 57.9/58

All: -62.441+/-144.892 χ^2/NDF: 304.1/118

- sign -2062.451+/-206.490 χ^2/NDF: 61.4/59

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.369+/-0.200 χ^2/NDF: 552311.9/33

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

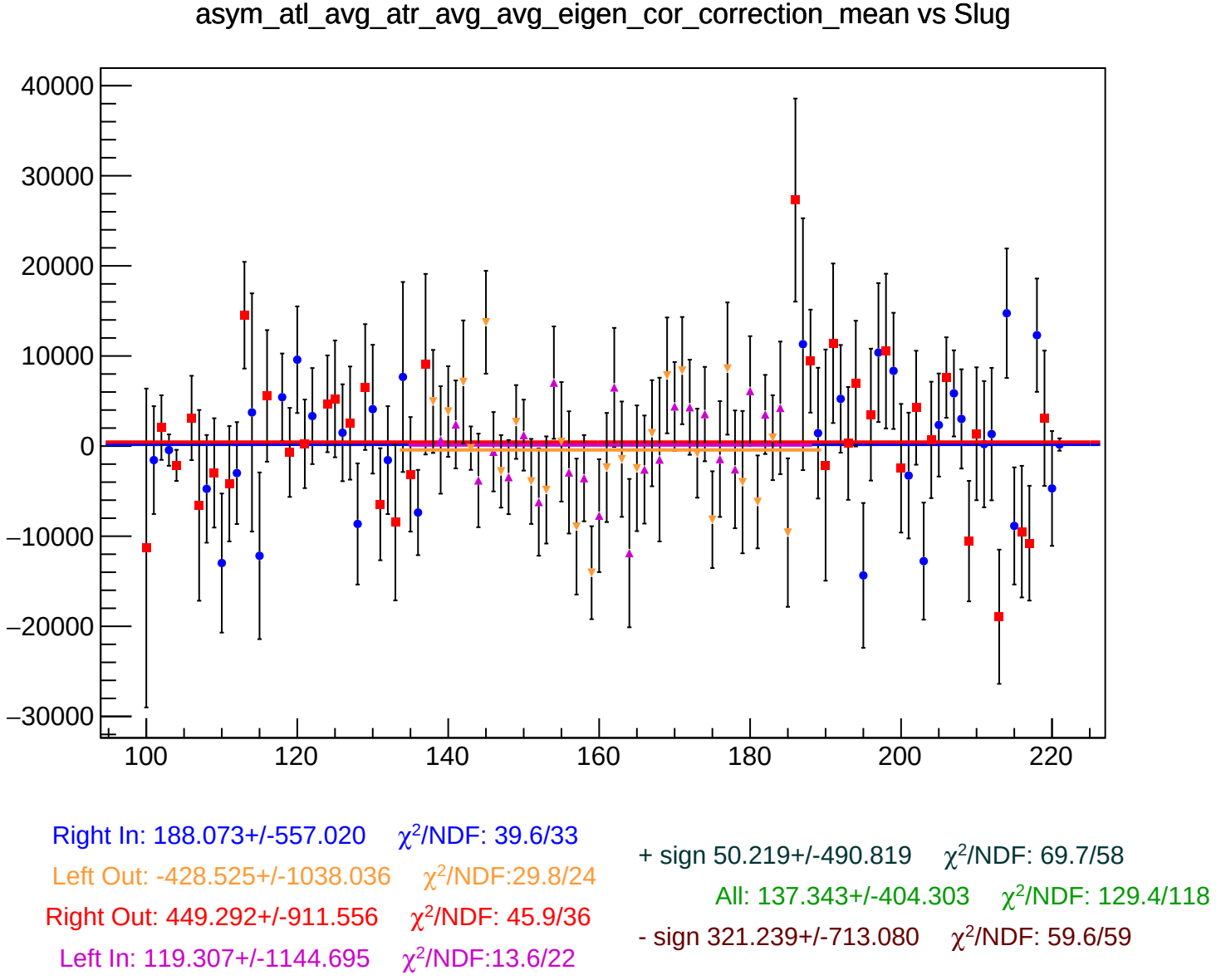
Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

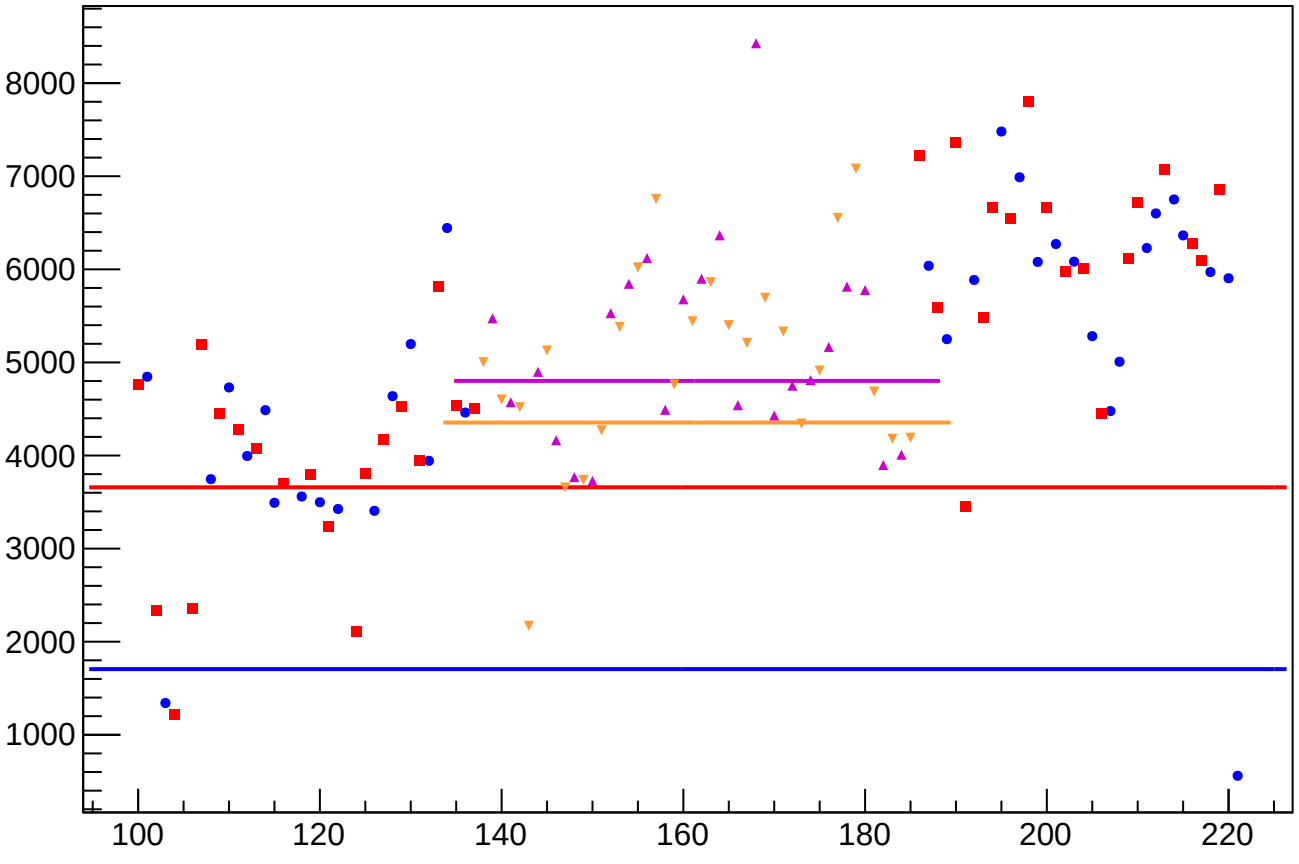
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1293.785+/-0.144 χ^2/NDF: 746323.3/58

All: 1293.244+/-0.102 χ^2/NDF: 1306665.9/11

- sign 1292.686+/-0.146 χ^2/NDF: 560313.9/59


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 188.073+/-557.020 χ²/NDF: 39.6/33
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 449.292+/-911.556 χ²/NDF: 45.9/36
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign 50.219+/-490.819 χ²/NDF: 69.7/58
All: 137.343+/-404.303 χ²/NDF: 129.4/118
- sign 321.239+/-713.080 χ²/NDF: 59.6/59



Right In: 1705.551+/-0.394 χ^2/NDF: 24326400.0/33

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

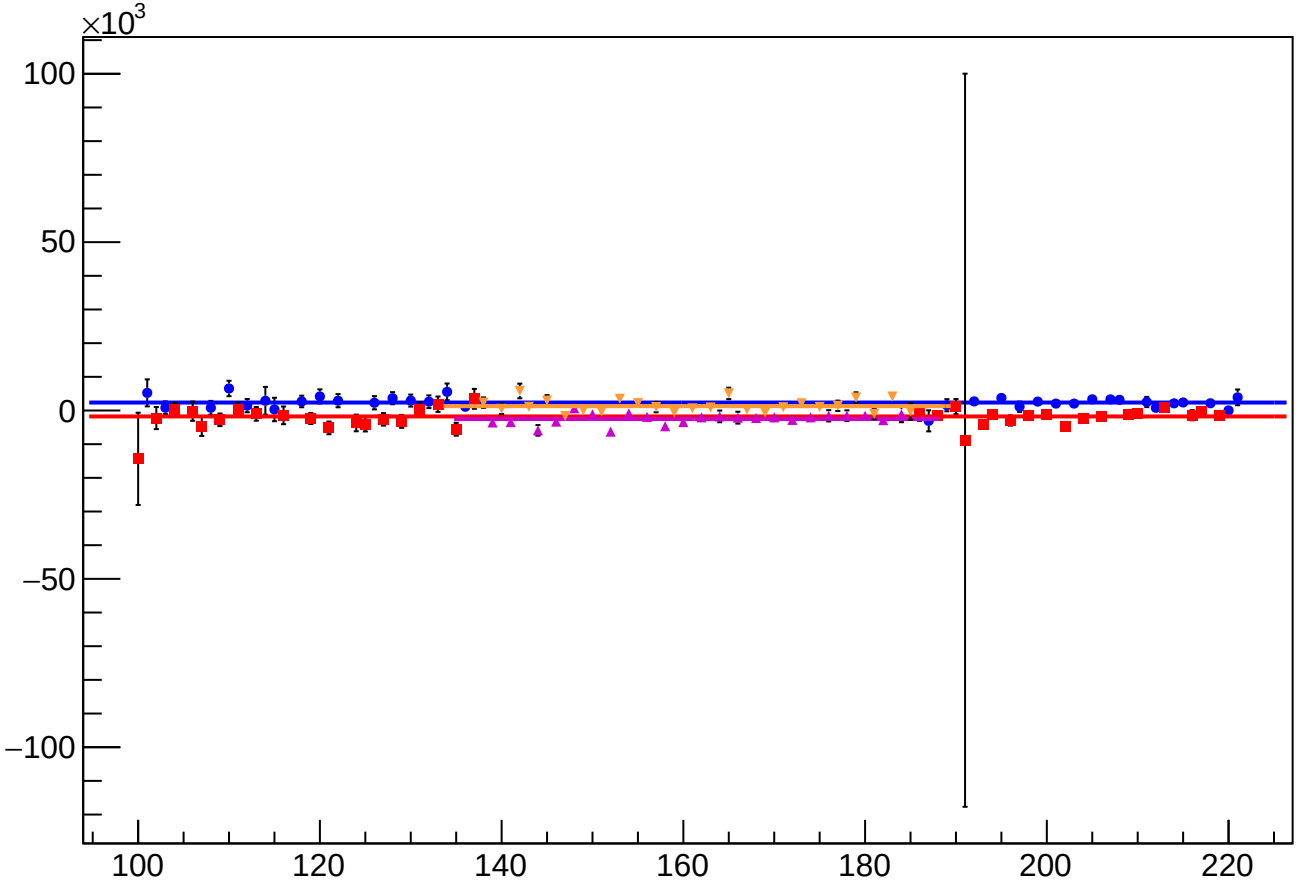
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 2297.785+/-0.347 χ^2/NDF: 37510399.5/58

All: 2877.809+/-0.286 χ^2/NDF: 58402579.1/1

\- sign 4102.088+/-0.504 χ^2/NDF: 12203702.4/59

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2364.685+/-289.104 χ^2/NDF: 20.4/33

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1763.057+/-291.827 χ^2/NDF: 36.1/36

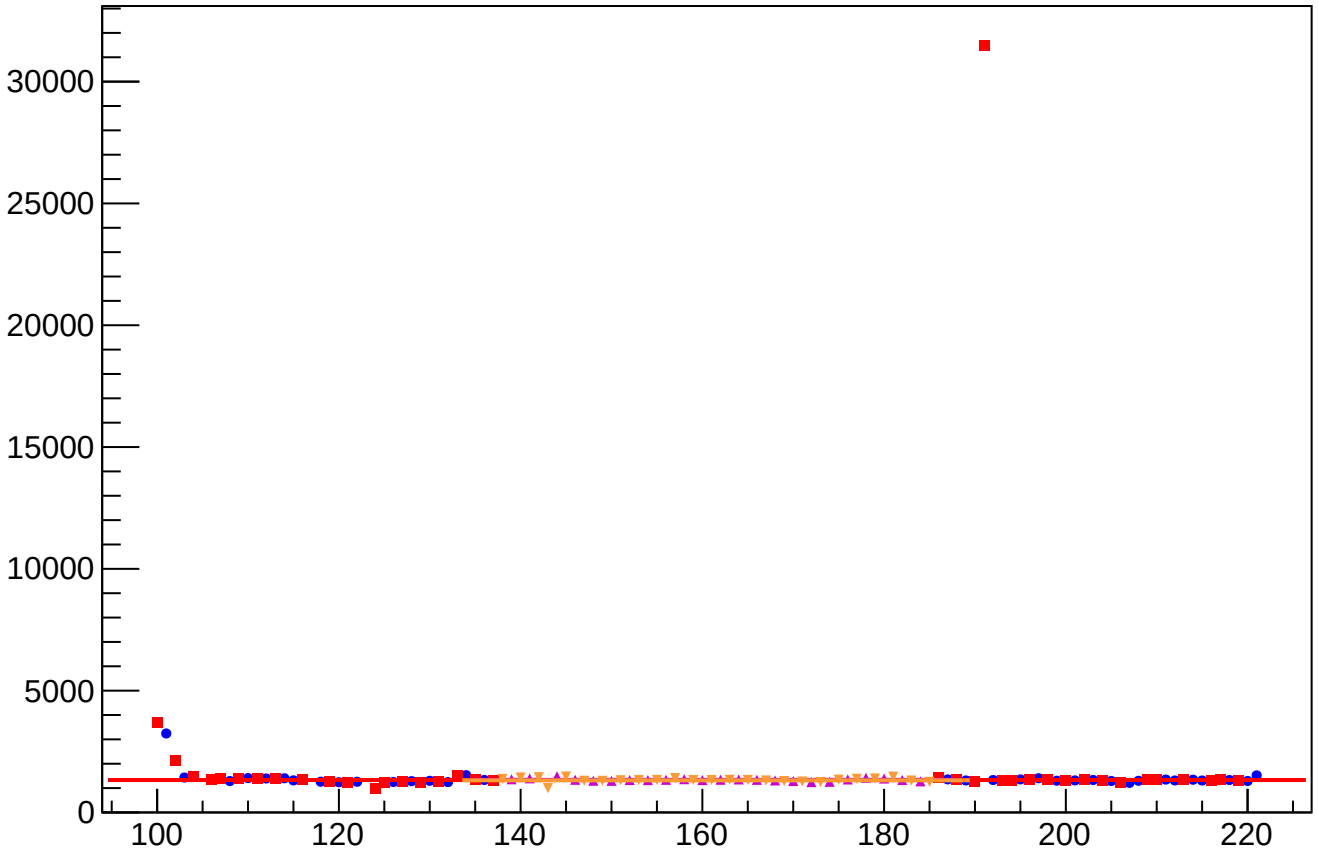
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1845.478+/-208.350 χ^2/NDF: 60.5/58

All: -90.024+/-149.082 χ^2/NDF: 301.6/118

- sign -2120.685+/-213.410 χ^2/NDF: 64.3/59

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.836+/-0.204 χ^2/NDF: 538372.8/33

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

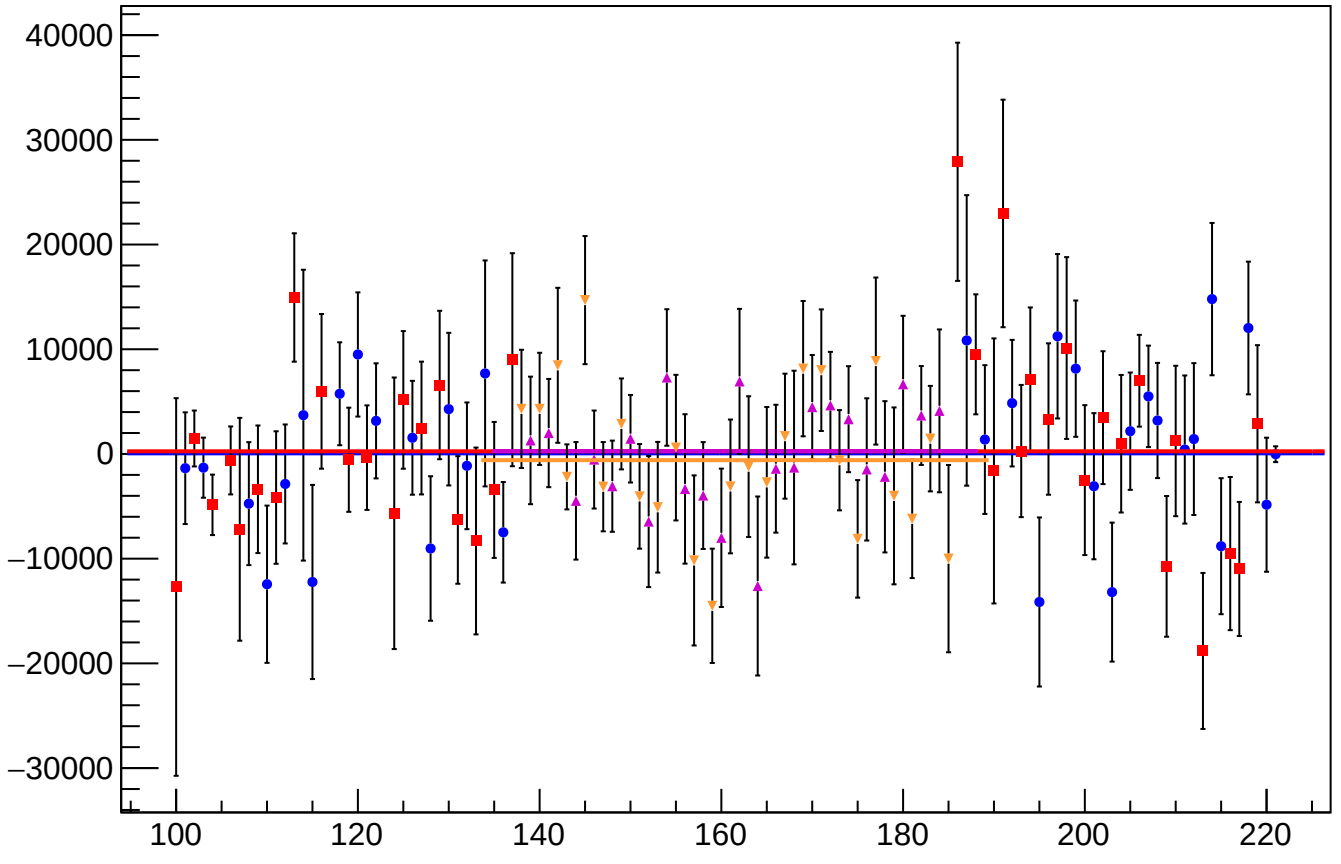
Right Out: 1331.739+/-0.206 χ^2/NDF: 450004.0/36

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1324.750+/-0.147 χ^2/NDF: 788764.3/58

All: 1329.719+/-0.105 χ^2/NDF: 1295862.2/11

- sign 1334.931+/-0.151 χ^2/NDF: 504767.1/59



Right In: 59.172+/-614.684 χ^2/NDF: 39.2/33

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

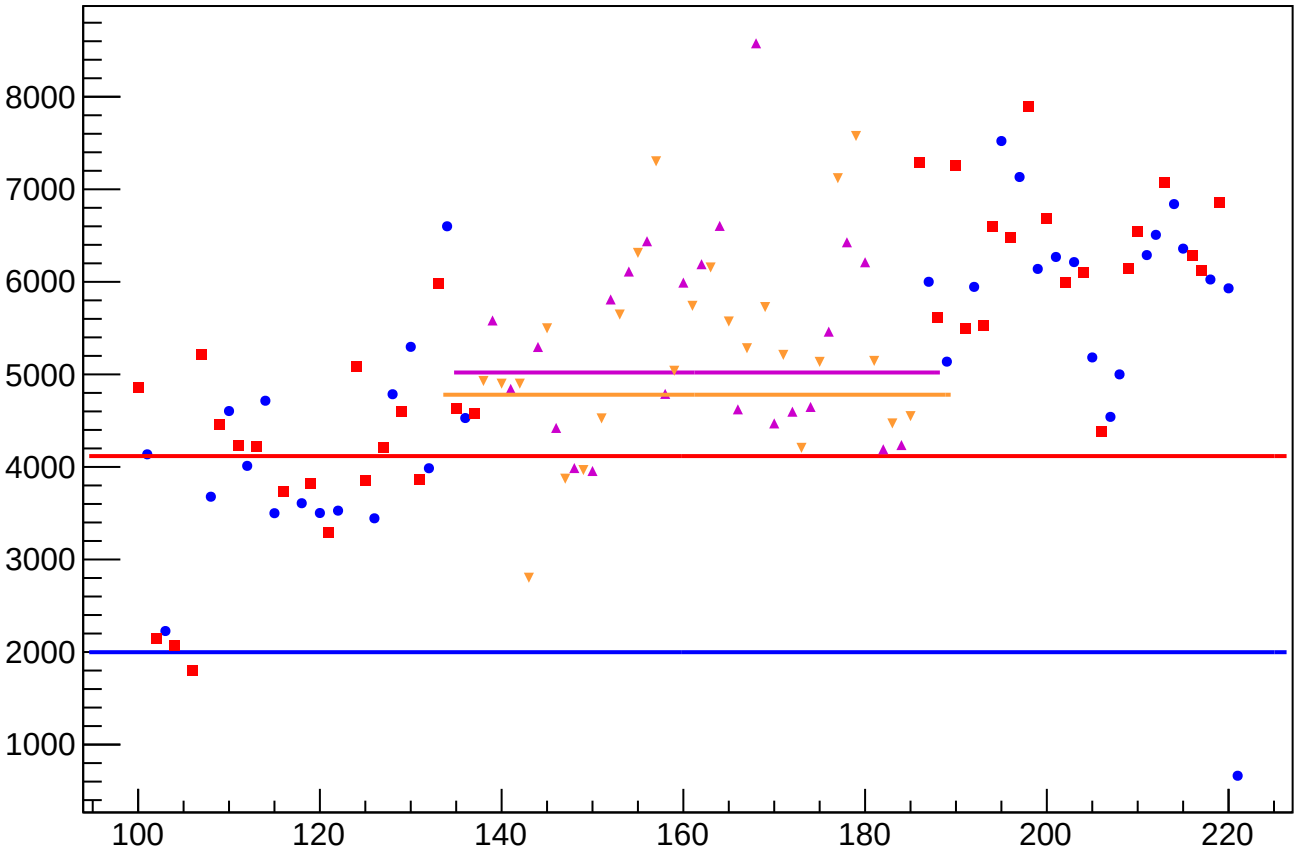
Right Out: 252.811+/-969.958 χ^2/NDF: 48.9/36

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -91.764+/-539.117 χ^2/NDF: 69.0/58

All: 27.592+/-438.459 χ^2/NDF: 131.4/118

- sign 260.781+/-753.551 χ^2/NDF: 62.3/59



Right In: 1998.290+/-0.435 χ^2/NDF: 22089780.6/33

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

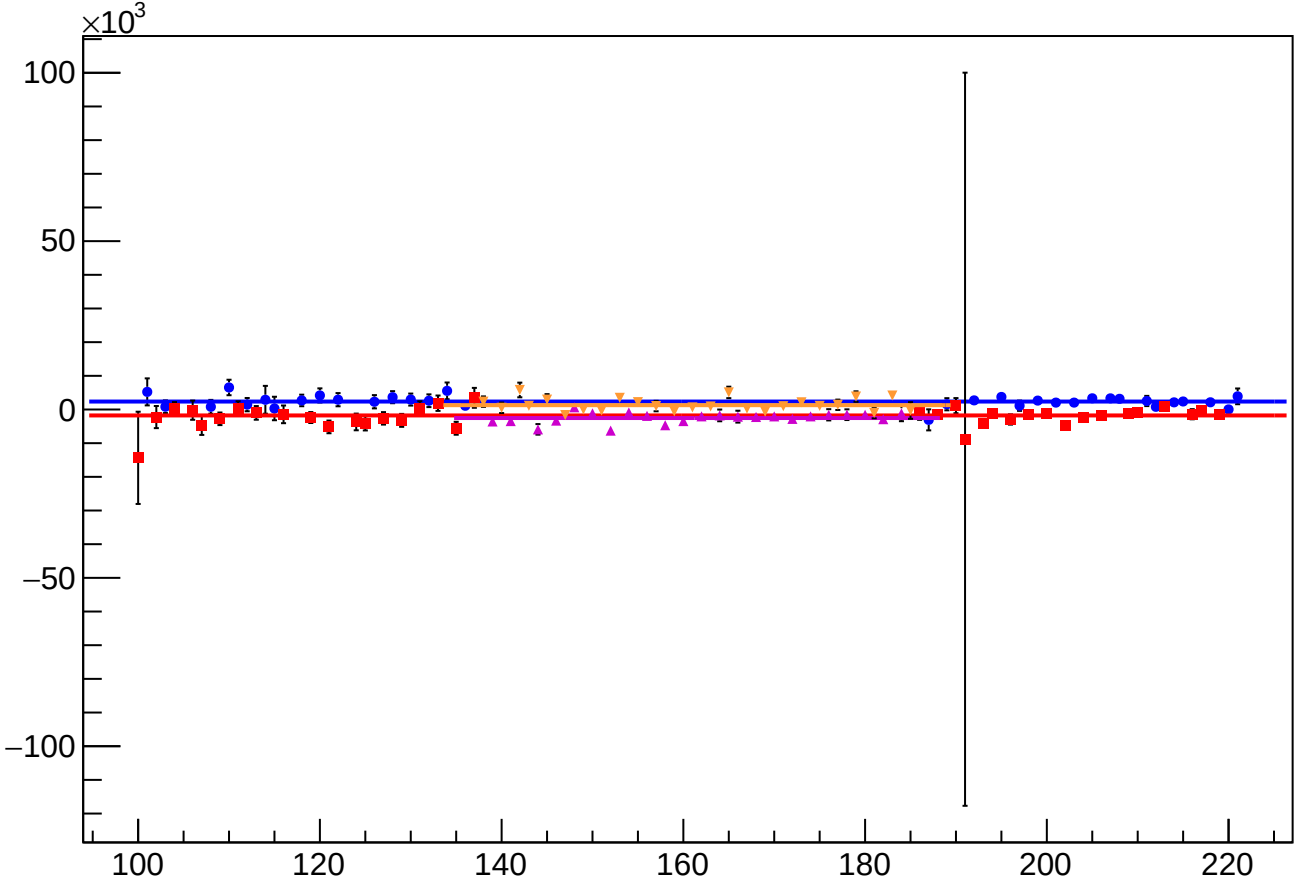
Right Out: 4117.376+/-0.686 χ^2/NDF: 6739303.3/36

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 2640.286+/-0.381 χ^2/NDF: 33550385.3/58

All: 3261.590+/-0.310 χ^2/NDF: 50048086.9/1

- sign 4475.436+/-0.533 χ^2/NDF: 8651867.8/59



Right In: 2364.682+/-289.104 χ^2/NDF: 20.4/33

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1763.055+/-291.827 χ^2/NDF: 36.1/36

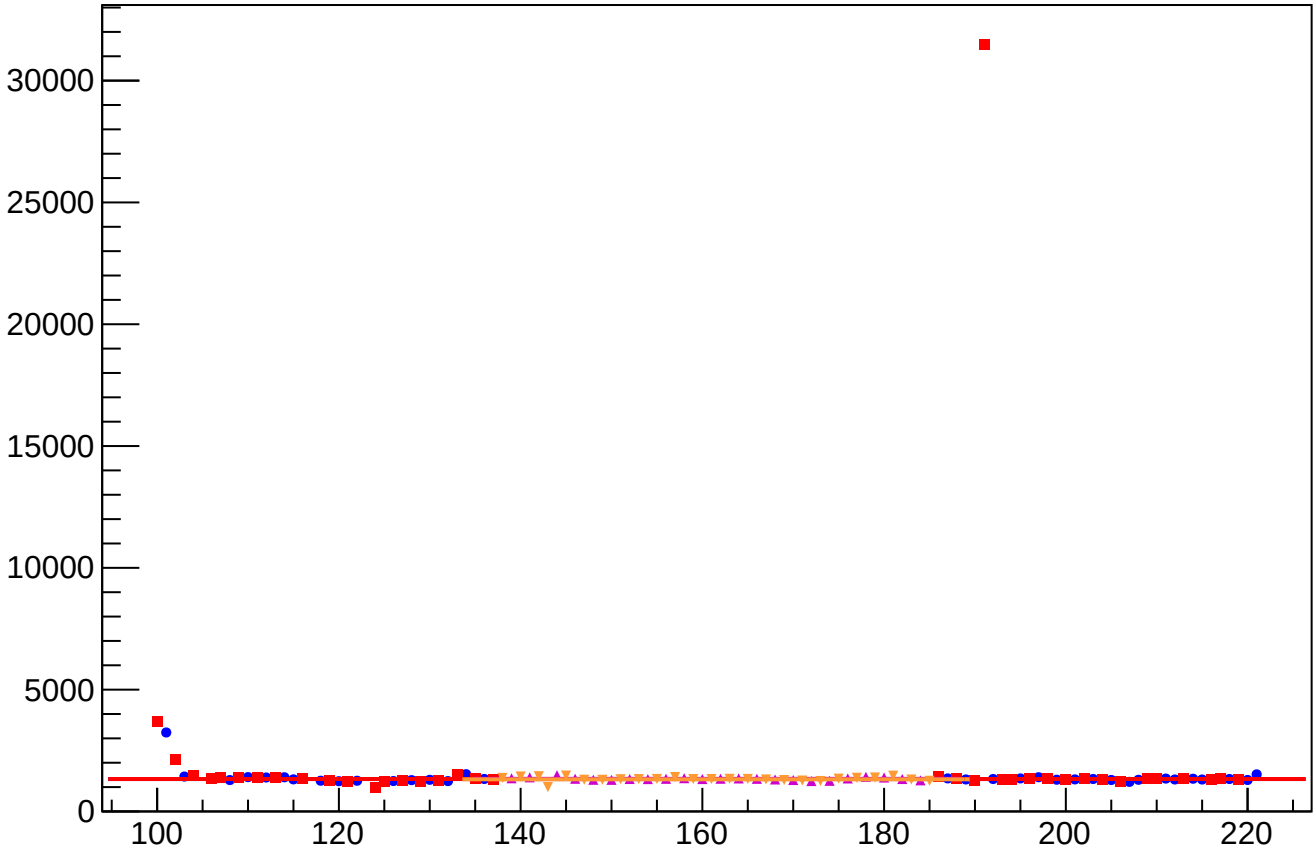
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1845.475+/-208.350 χ^2/NDF: 60.5/58

All: -90.025+/-149.082 χ^2/NDF: 301.6/118

- sign -2120.683+/-213.410 χ^2/NDF: 64.3/59

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.836+/-0.204 χ^2/NDF: 538372.9/33

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

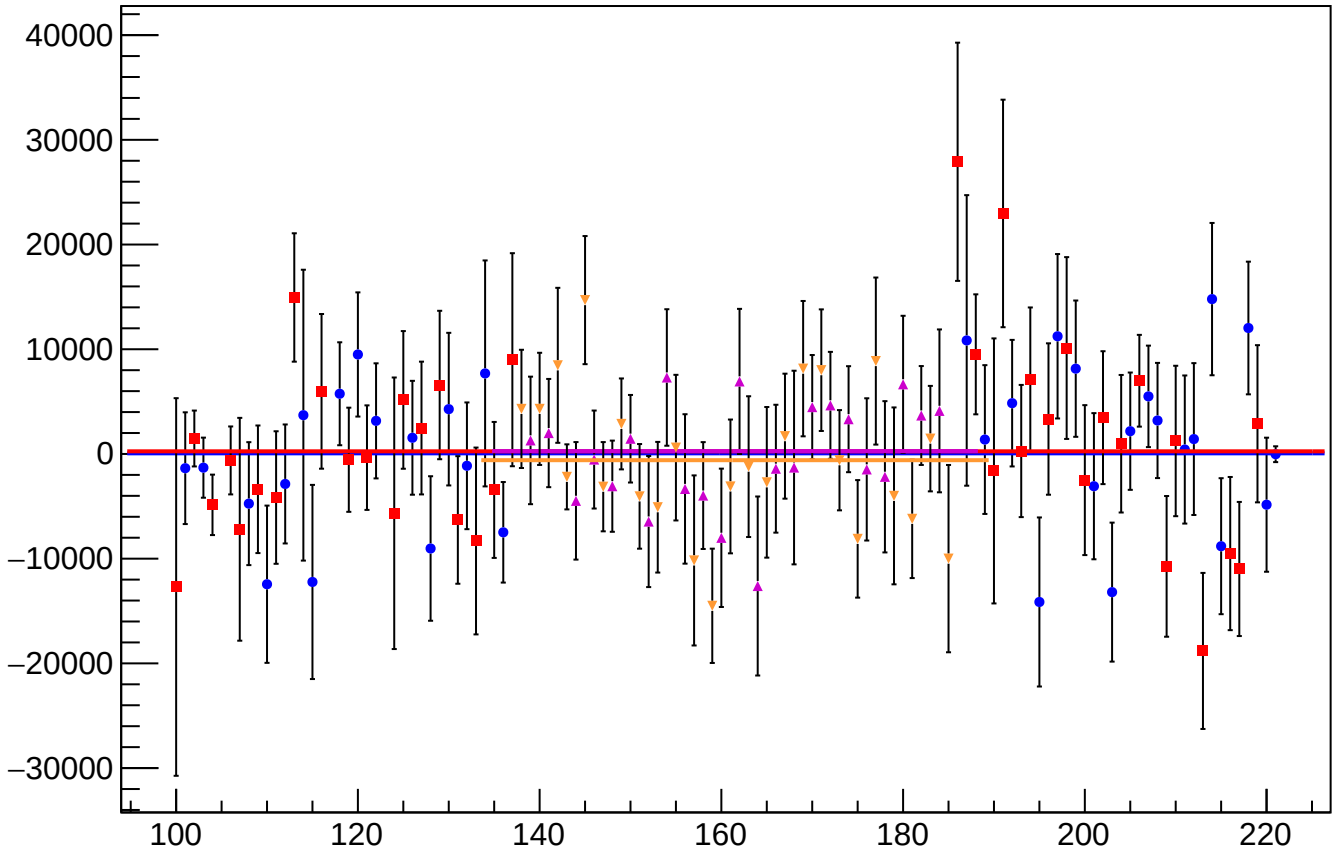
Right Out: 1331.739+/-0.206 χ^2/NDF: 450003.0/36

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1324.751+/-0.147 χ^2/NDF: 788766.5/58

All: 1329.720+/-0.105 χ^2/NDF: 1295866.2/11

- sign 1334.932+/-0.151 χ^2/NDF: 504768.9/59



Right In: 59.175+/-614.685 χ^2/NDF: 39.2/33

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

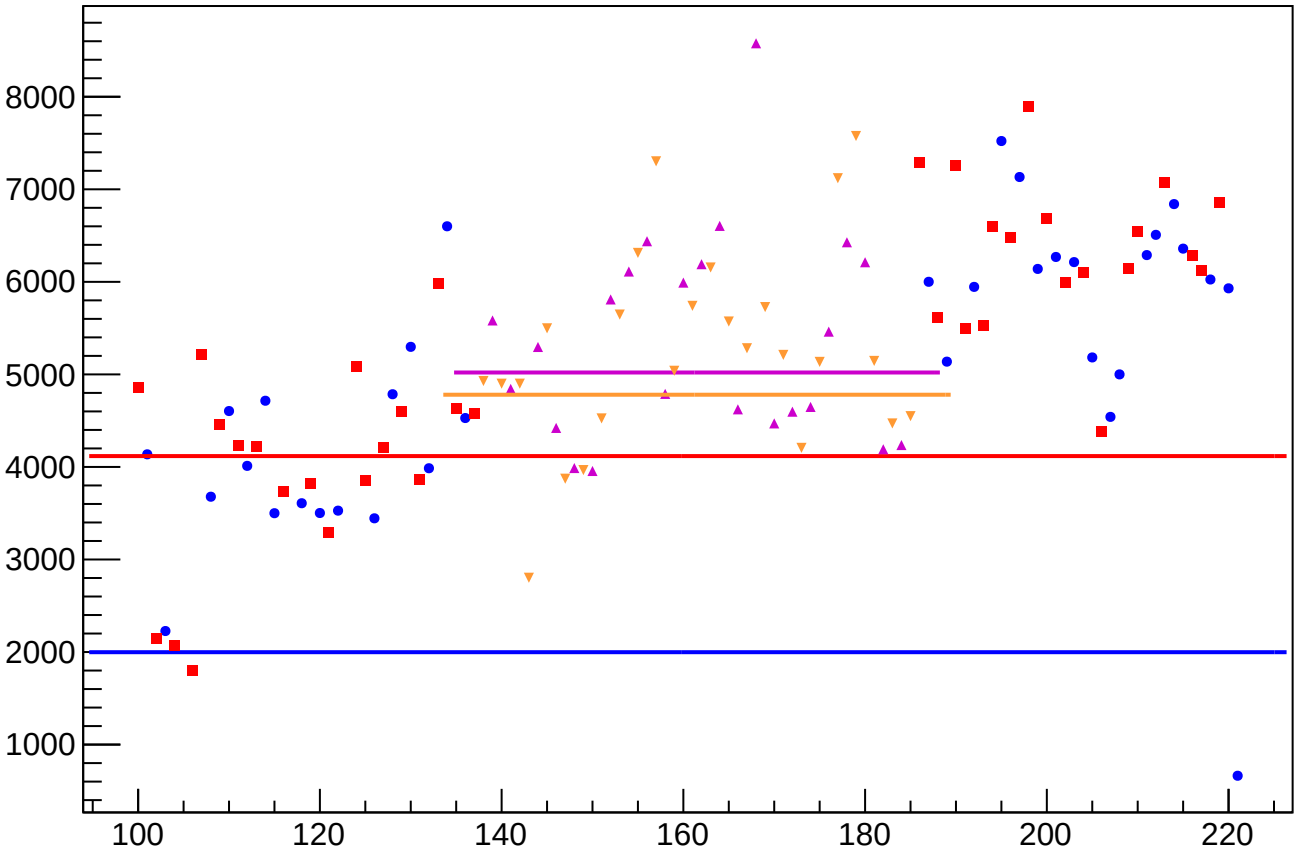
Right Out: 252.807+/-969.957 χ^2/NDF: 48.9/36

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

\+ sign -91.763+/-539.118 χ^2/NDF: 69.0/58

All: 27.593+/-438.459 χ^2/NDF: 131.4/118

\- sign 260.779+/-753.551 χ^2/NDF: 62.3/59



Right In: 1998.293+/-0.435 χ^2/NDF: 22089757.2/33

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 4117.368+/-0.686 χ^2/NDF: 6739353.9/36

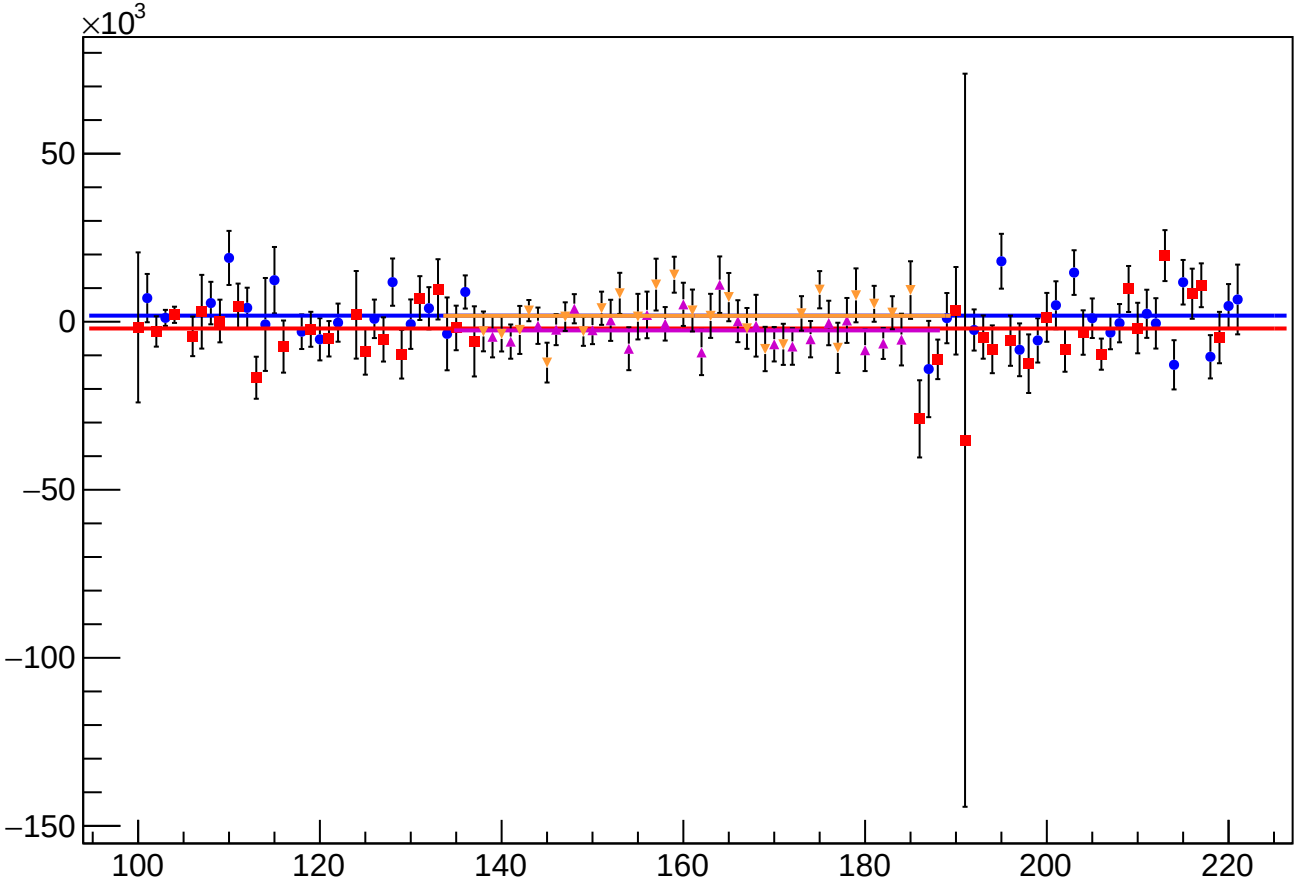
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 2640.289+/-0.381 χ^2/NDF: 33550369.9/58

All: 3261.592+/-0.310 χ^2/NDF: 50048092.5/1

- sign 4475.433+/-0.533 χ^2/NDF: 8651945.1/59

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1810.535+/-1054.079 χ^2/NDF: 37.7/33

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2012.377+/-1051.607 χ^2/NDF: 48.7/36

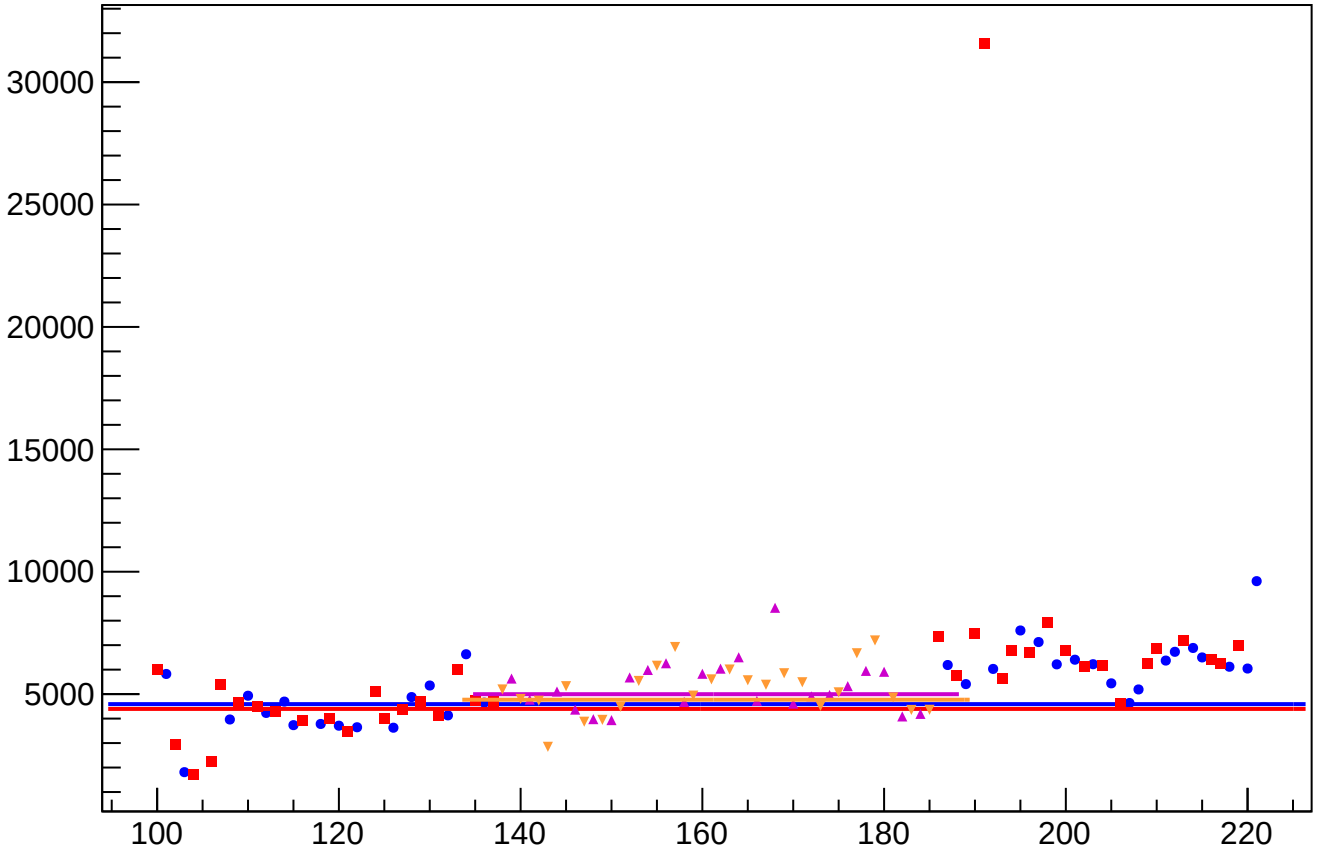
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1787.507+/-766.377 χ^2/NDF: 65.4/58

All: -181.885+/-549.245 χ^2/NDF: 141.0/118

- sign -2261.625+/-787.555 χ^2/NDF: 62.1/59

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4590.732+/-0.745 χ^2/NDF: 5539885.1/33

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4395.031+/-0.737 χ^2/NDF: 6275659.2/36

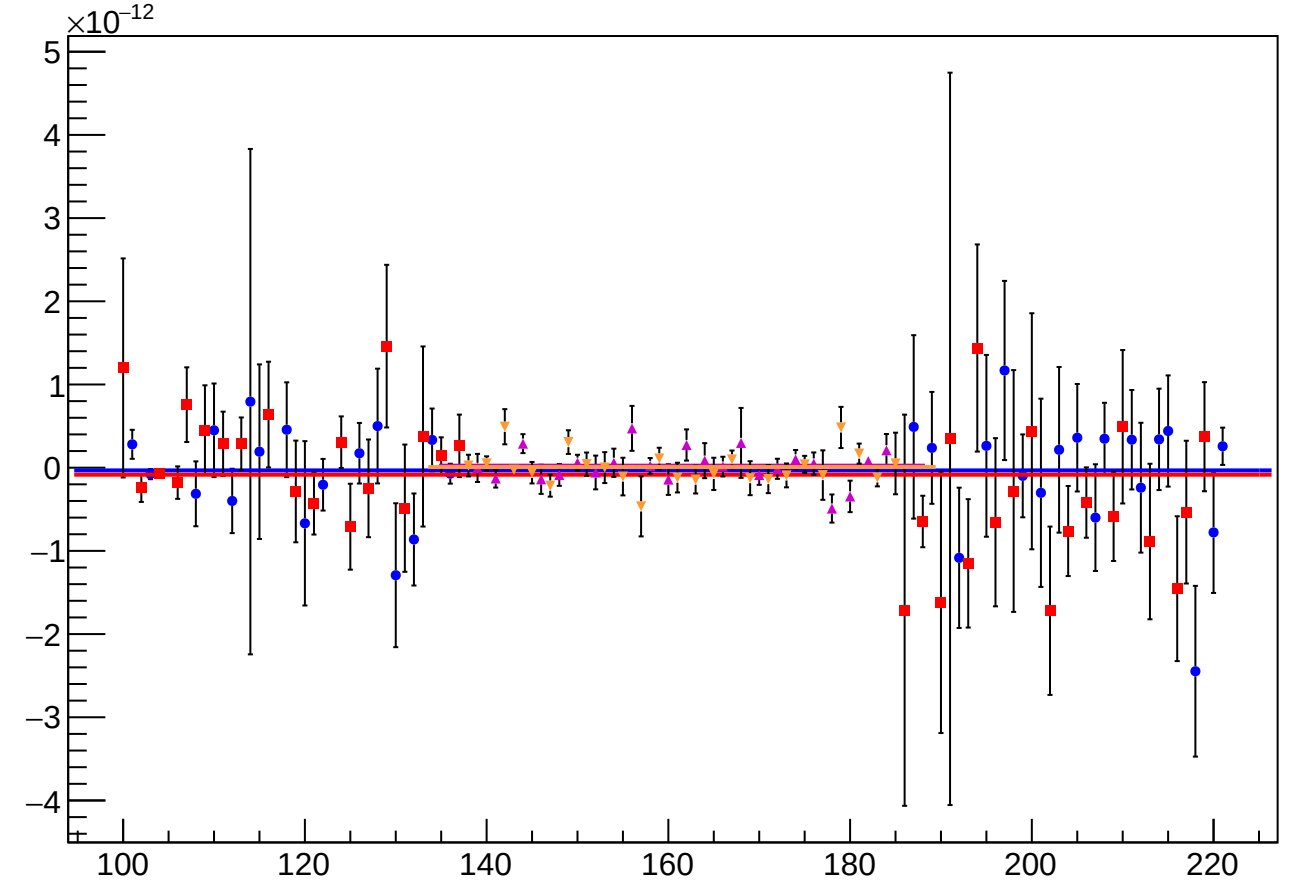
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4675.792+/-0.542 χ^2/NDF: 7354596.9/58

All: 4666.471+/-0.387 χ^2/NDF: 15016417.6/1

- sign 4656.722+/-0.554 χ^2/NDF: 7661215.4/59

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

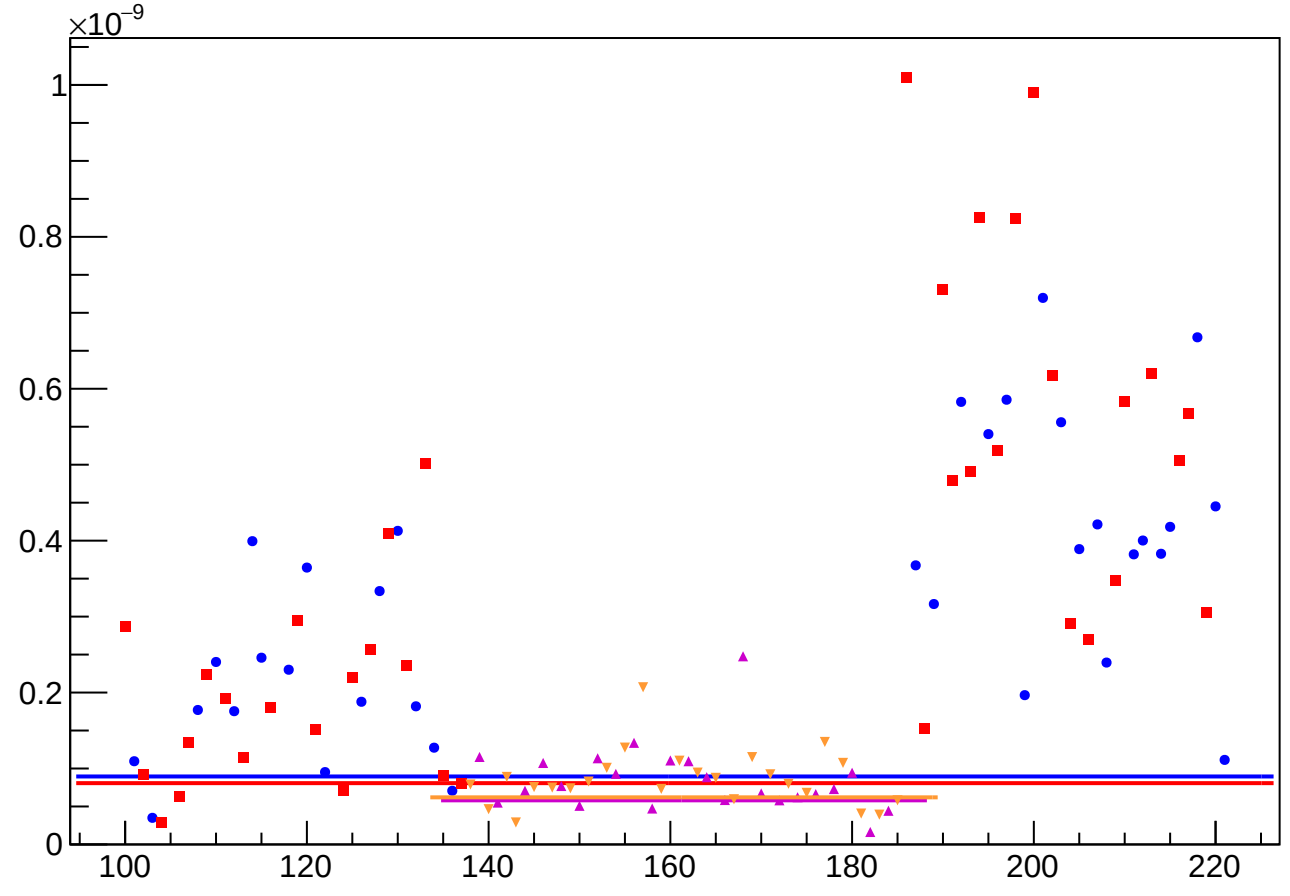
Right Out: -0.000+/-0.000 χ^2/NDF: 37.9/36

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/58

All: -0.000+/-0.000 χ^2/NDF: 130.2/118

- sign -0.000+/-0.000 χ^2/NDF: 73.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 10143810.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

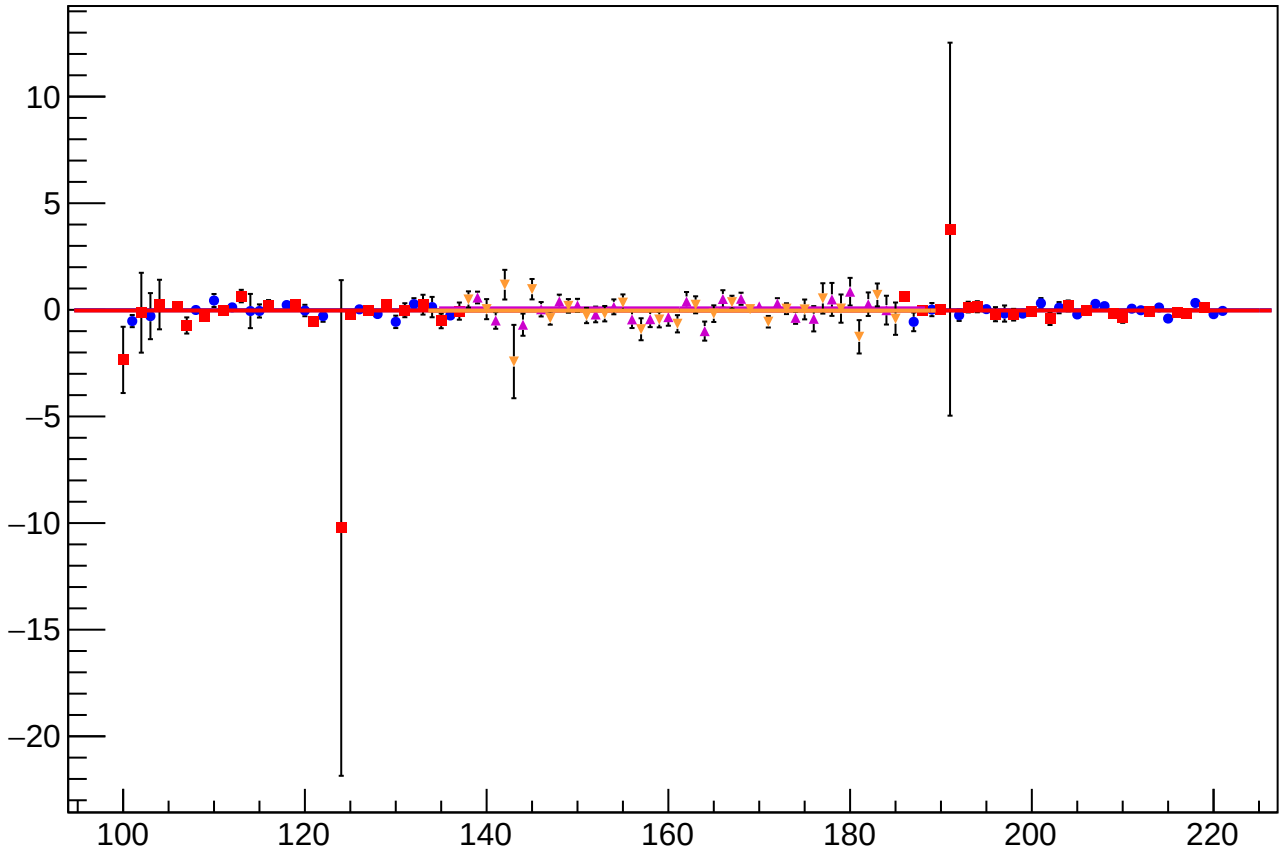
Right Out: 0.000+/-0.000 χ^2/NDF: 11451228.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13134676.3/58

All: 0.000+/-0.000 χ^2/NDF: 27969740.1/118

- sign 0.000+/-0.000 χ^2/NDF: 14786035.2/59



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

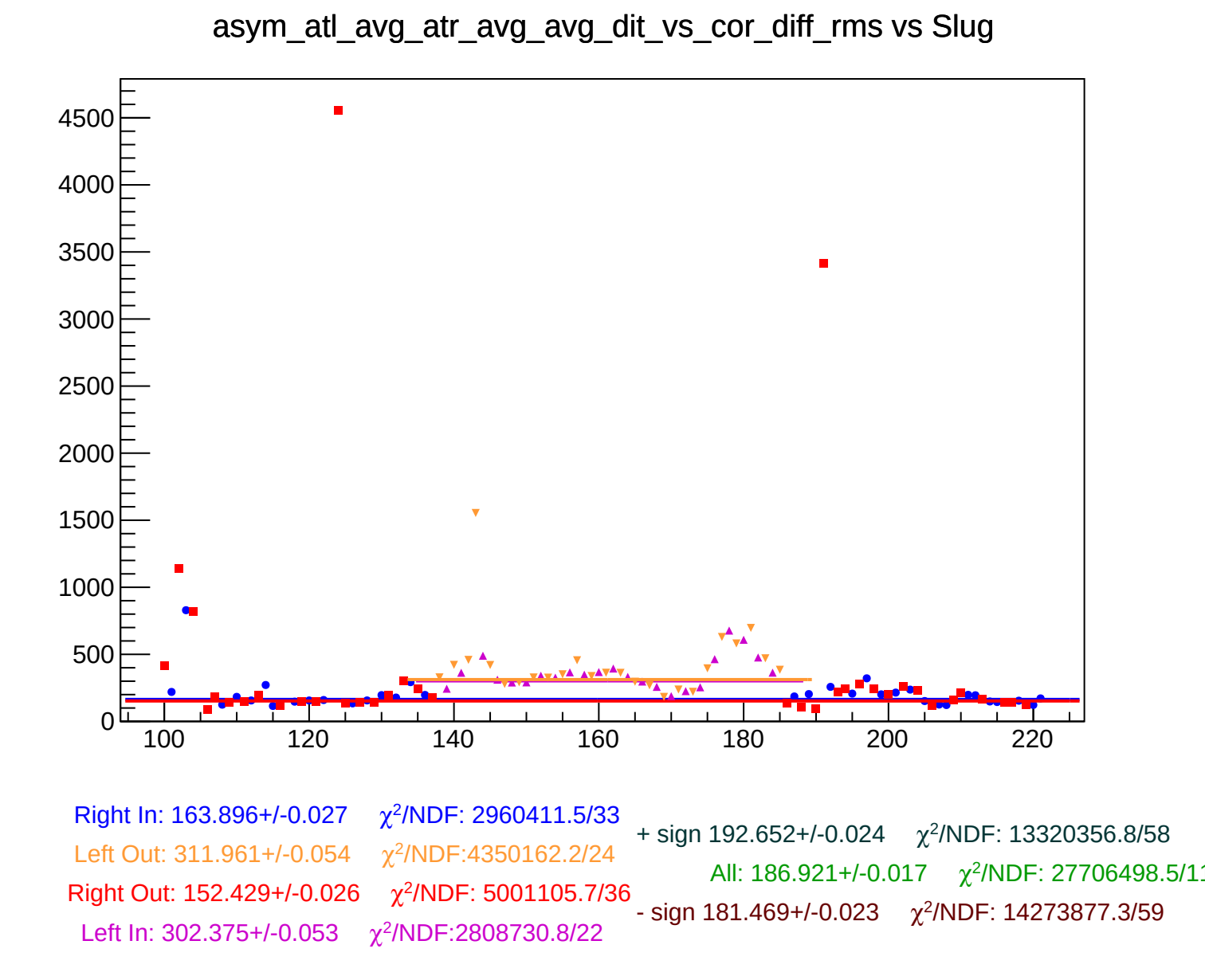
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

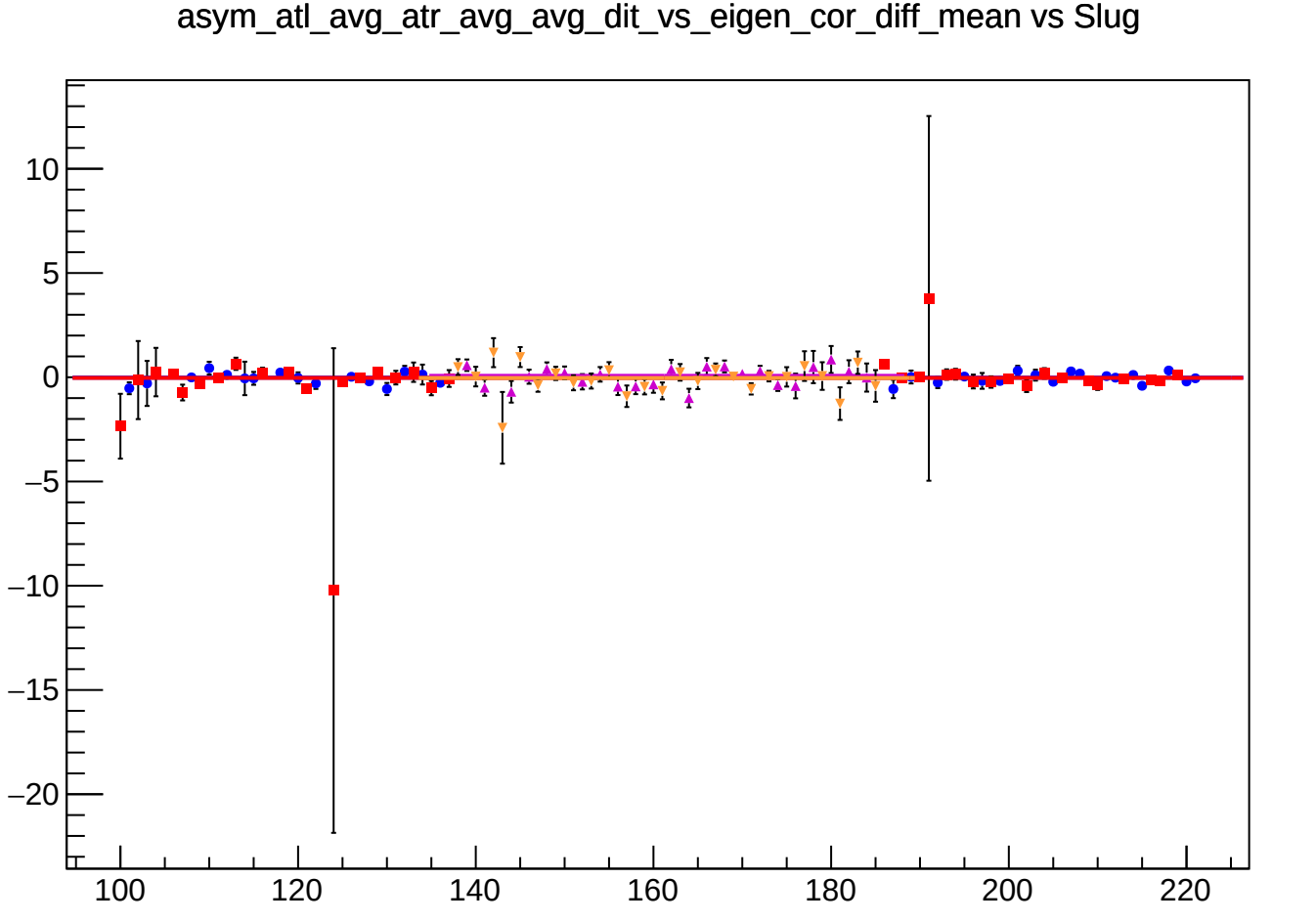
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.016+/-0.024 χ^2/NDF: 150.7/118

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59


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
220
Right In: 163.896+/-0.027 χ²/NDF: 2960411.5/33
Left Out: 311.961+/-0.054 χ²/NDF:4350162.2/24
Right Out: 152.429+/-0.026 χ²/NDF: 5001105.7/36
Left In: 302.375+/-0.053 χ²/NDF:2808730.8/22
+ sign 192.652+/-0.024 χ²/NDF: 13320356.8/58
All: 186.921+/-0.017 χ²/NDF: 27706498.5/11
- sign 181.469+/-0.023 χ²/NDF: 14273877.3/59



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

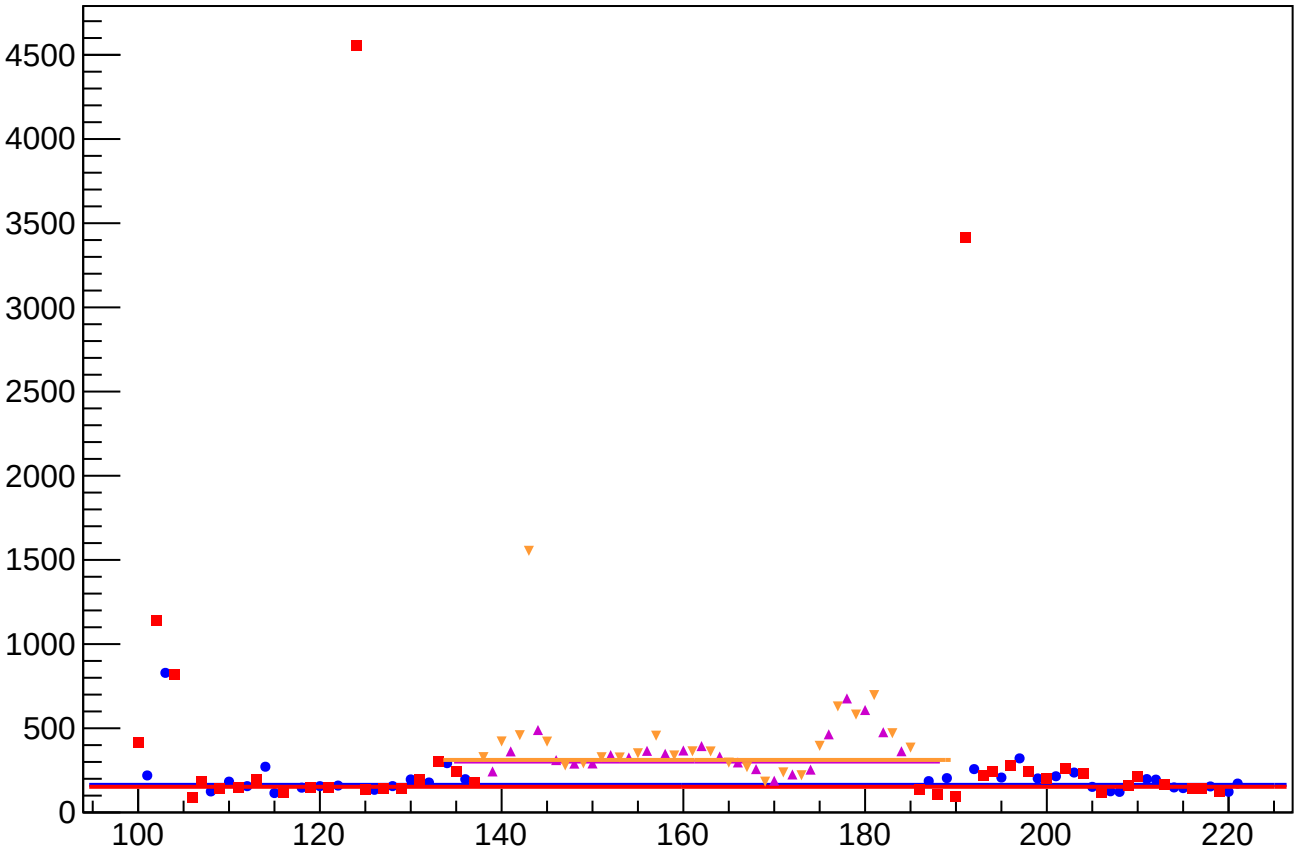
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.016+/-0.024 χ^2/NDF: 150.7/118

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59



Right In: 163.896+/-0.027 χ^2/NDF: 2960411.5/33

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

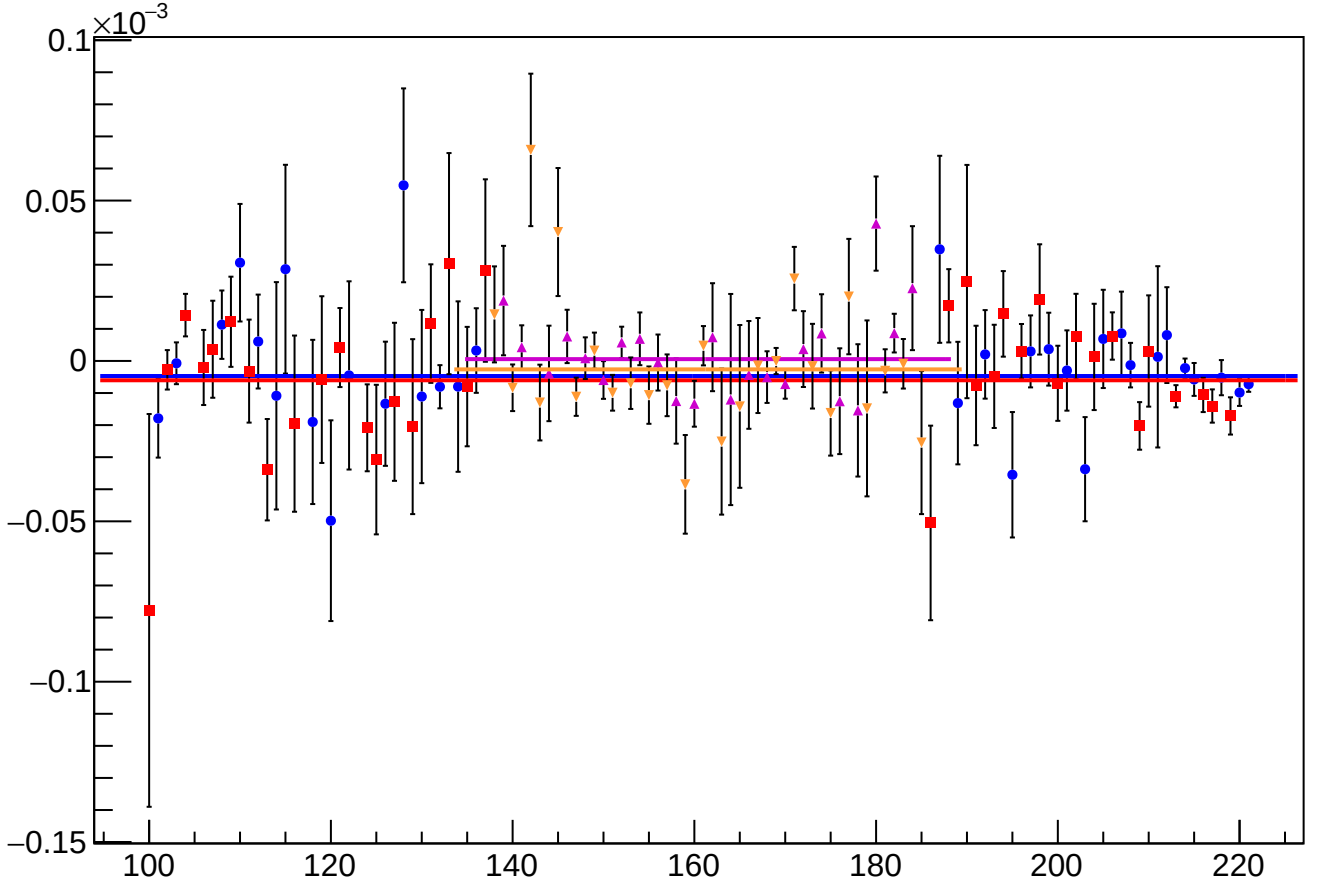
Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 192.652+/-0.024 χ^2/NDF: 13320356.8/58

All: 186.921+/-0.017 χ^2/NDF: 27706498.5/11

- sign 181.469+/-0.023 χ^2/NDF: 14273877.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

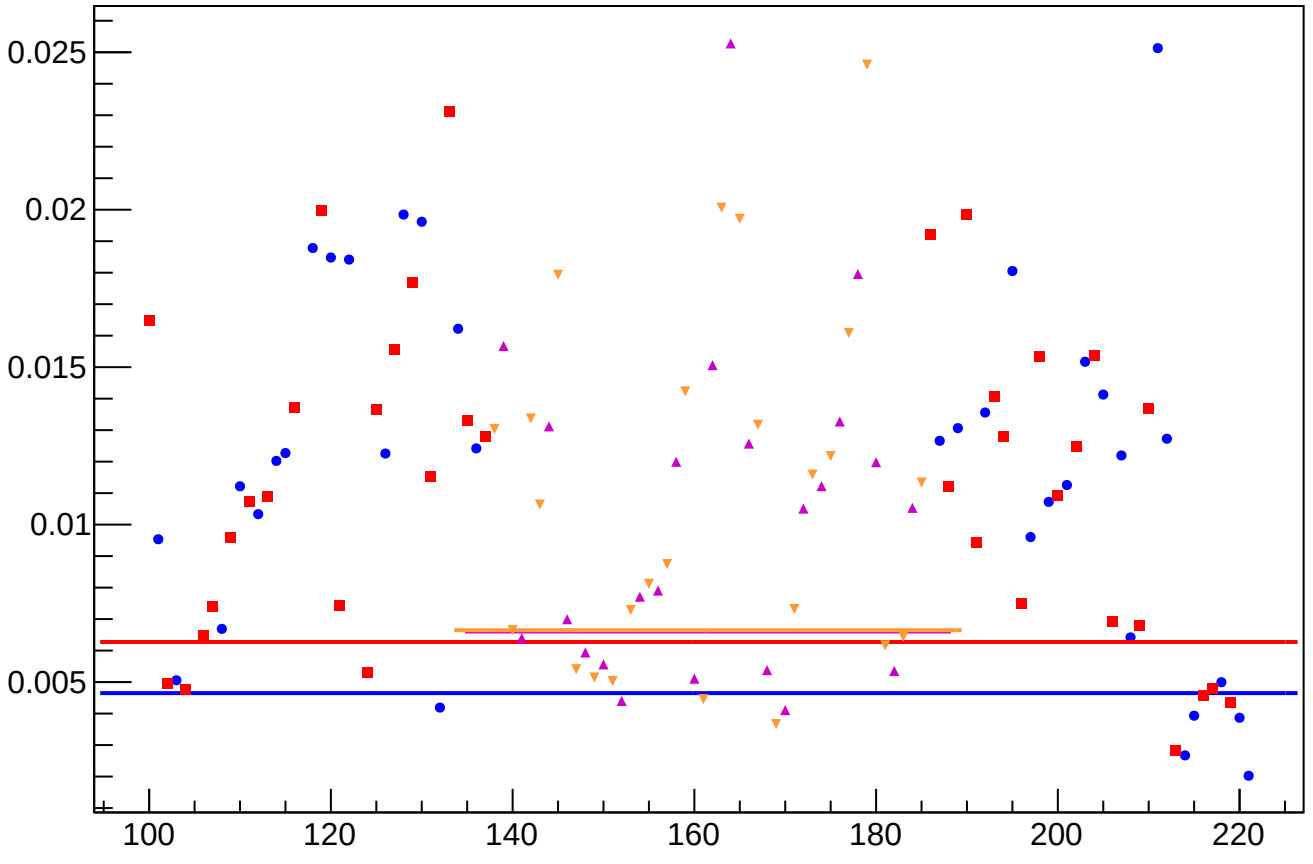
Right Out: -0.000+/-0.000 χ^2/NDF: 53.8/36

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.6/58

All: -0.000+/-0.000 χ^2/NDF: 163.1/118

- sign -0.000+/-0.000 χ^2/NDF: 88.2/59



Right In: 0.005+/-0.000 χ^2/NDF: 16409670.9/33

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

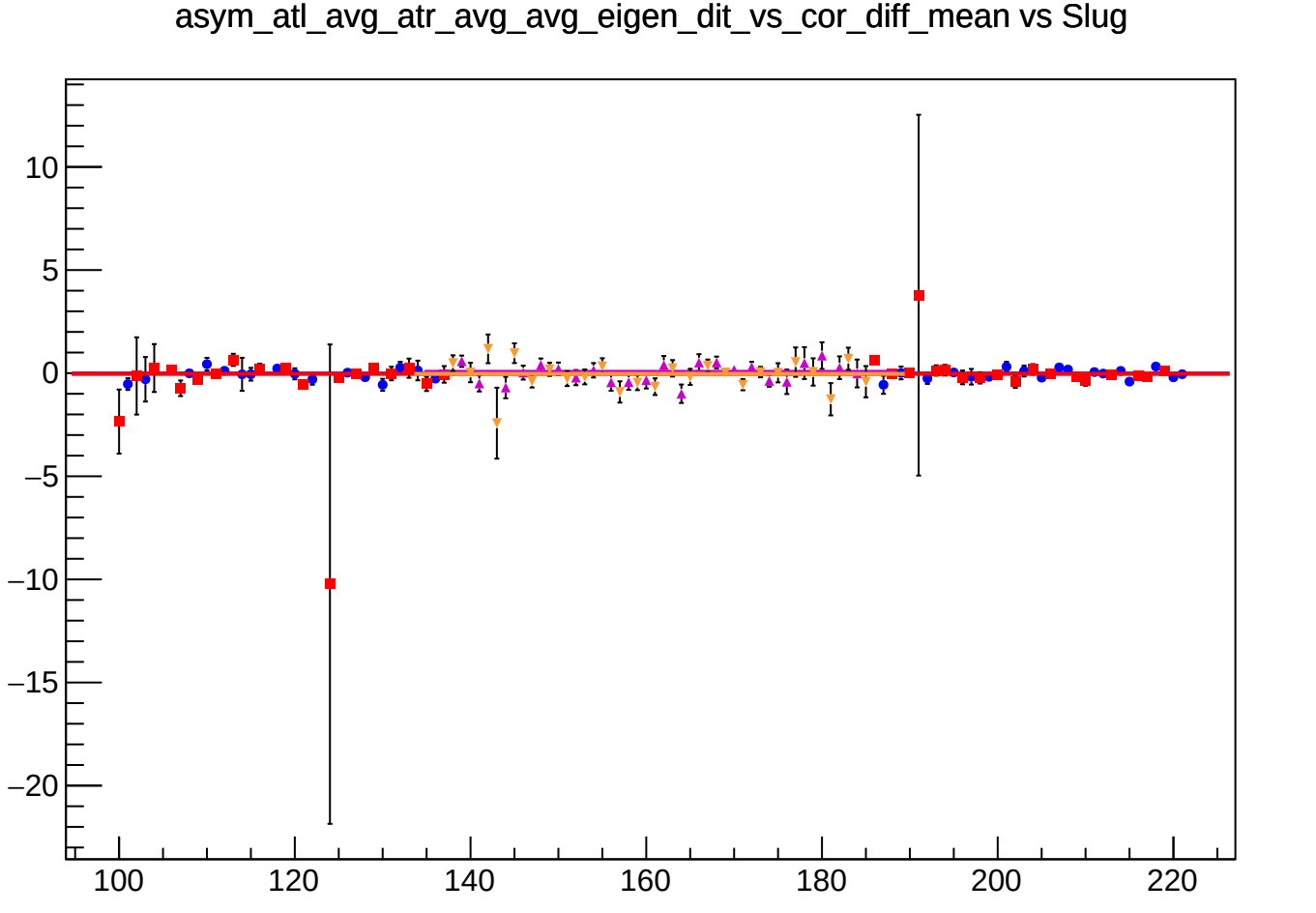
Right Out: 0.006+/-0.000 χ^2/NDF: 10238196.9/36

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.005+/-0.000 χ^2/NDF: 25605798.4/58

All: 0.006+/-0.000 χ^2/NDF: 42604787.2/118

- sign 0.006+/-0.000 χ^2/NDF: 16132360.8/59



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

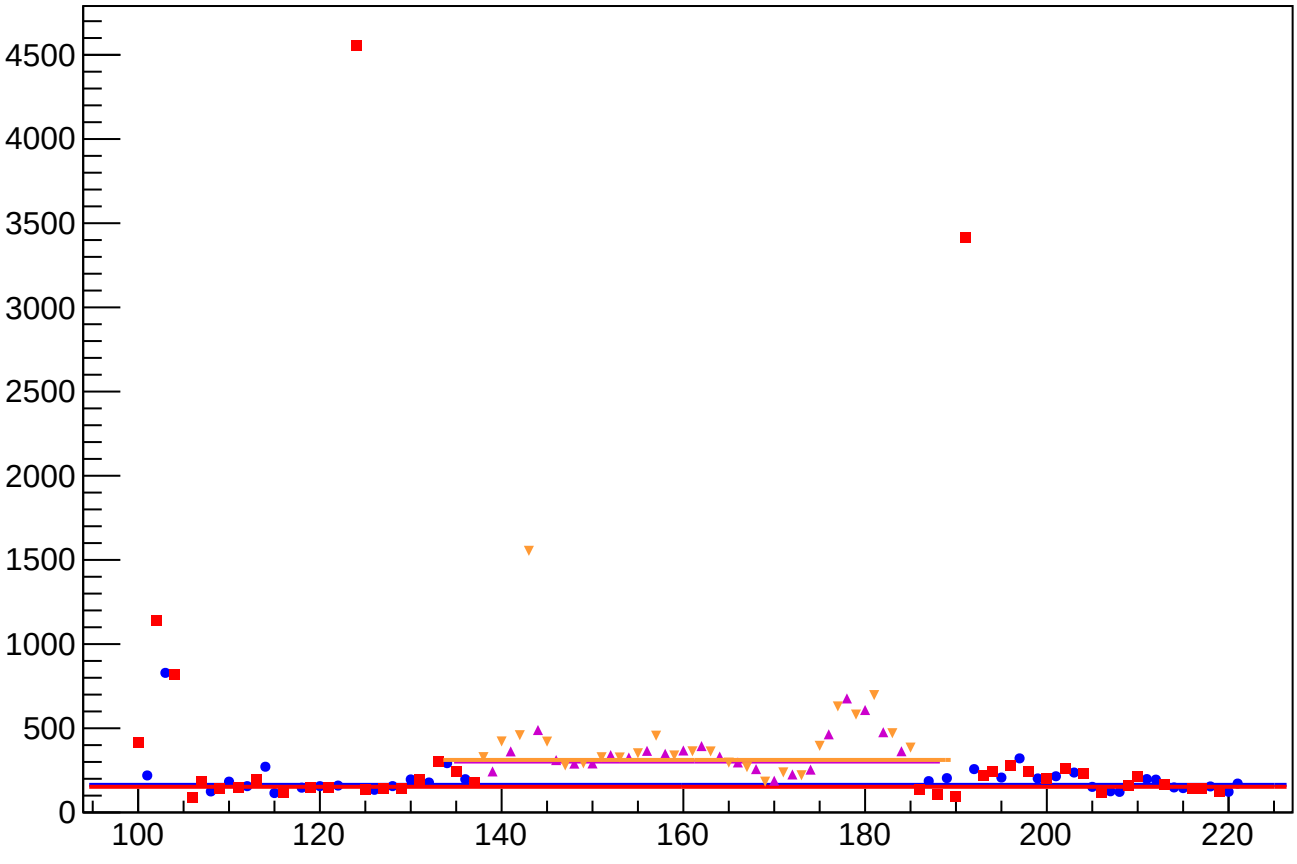
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.016+/-0.024 χ^2/NDF: 150.7/118

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59



Right In: 163.895+/-0.027 χ^2/NDF: 2960478.4/33

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

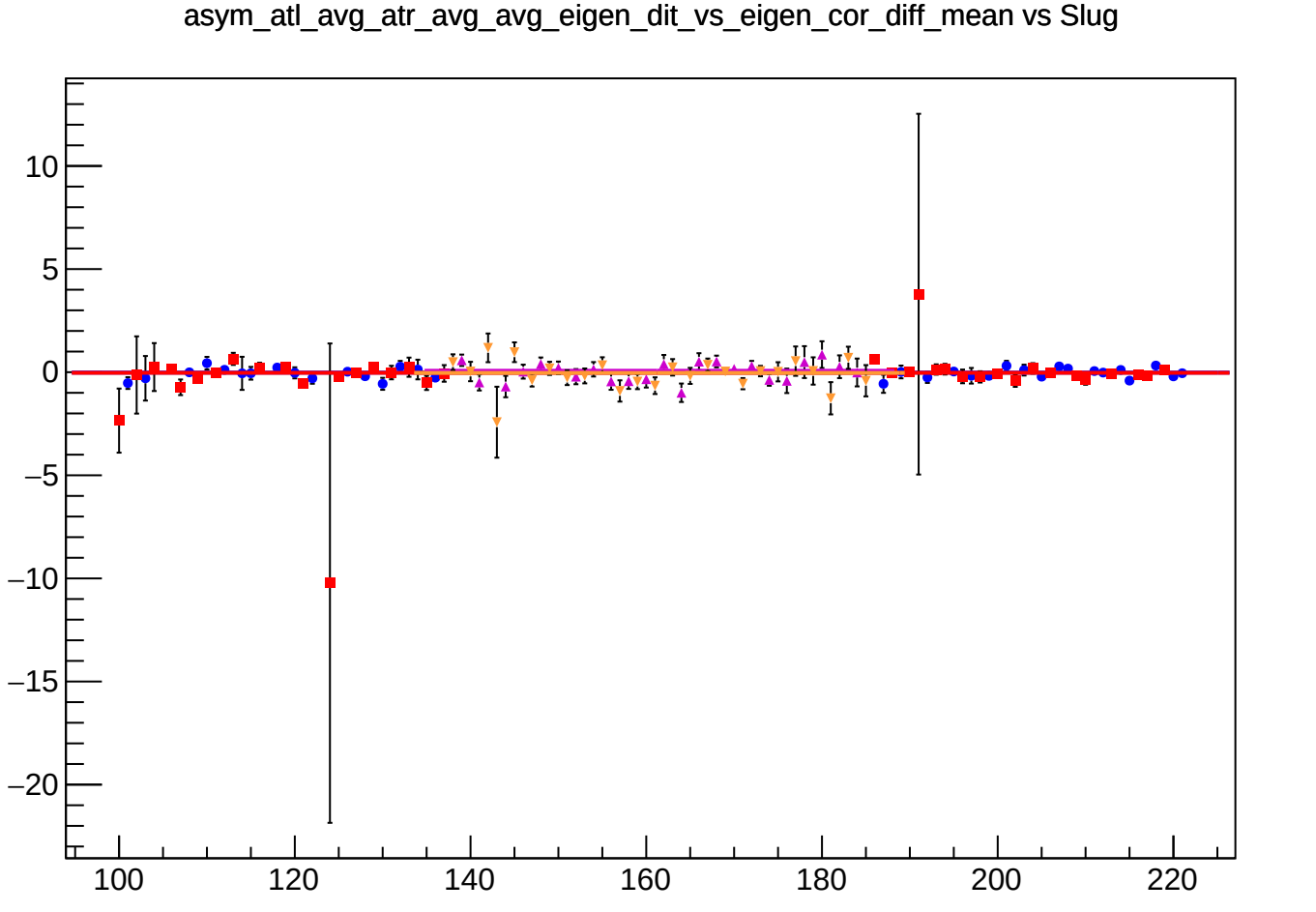
Right Out: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 192.651+/-0.024 χ^2/NDF: 13320698.0/58

All: 186.919+/-0.017 χ^2/NDF: 27707531.8/11

- sign 181.466+/-0.023 χ^2/NDF: 14274533.3/59



Right In: -0.019+/-0.038 χ^2/NDF: 41.3/33

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

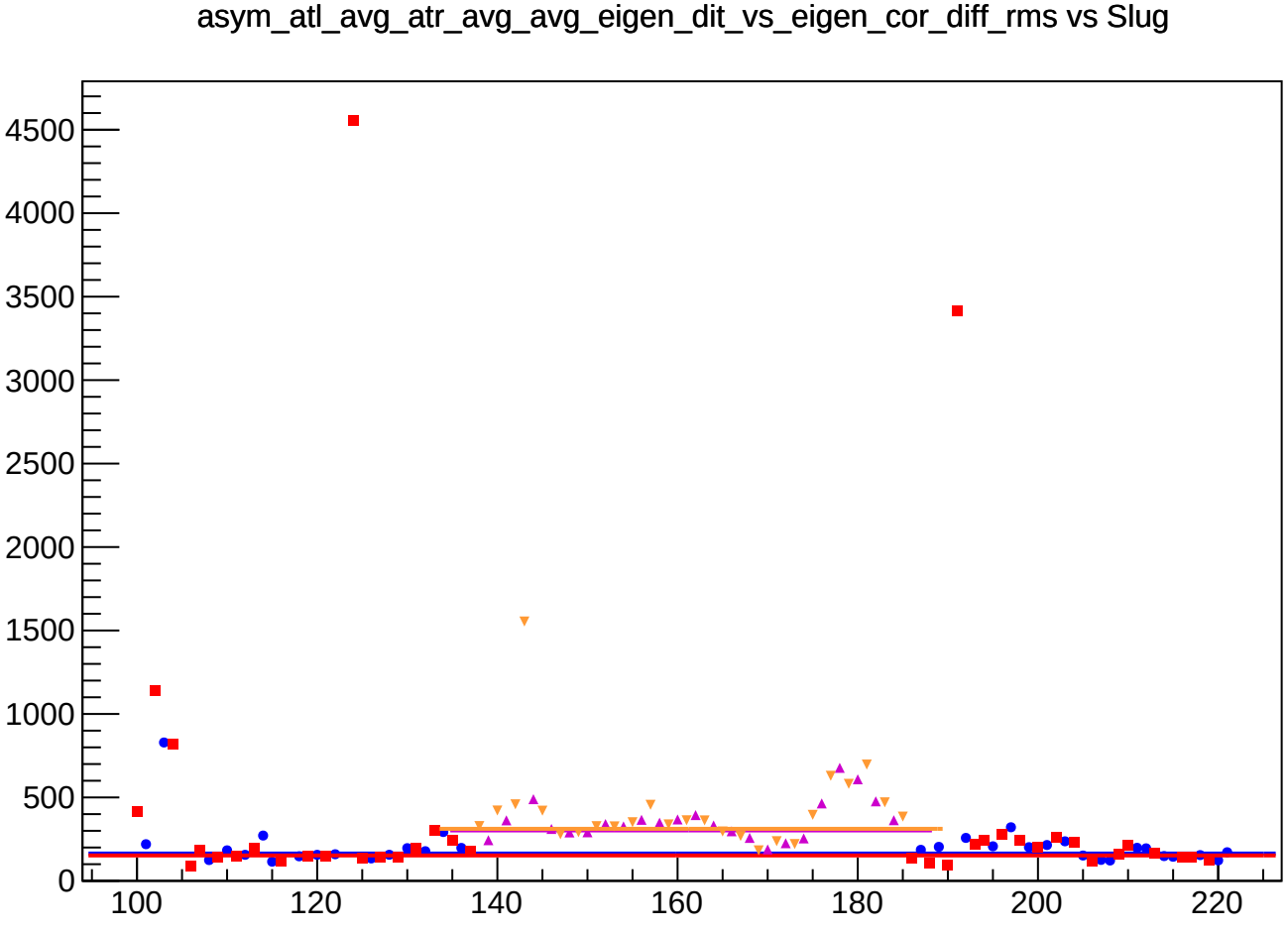
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

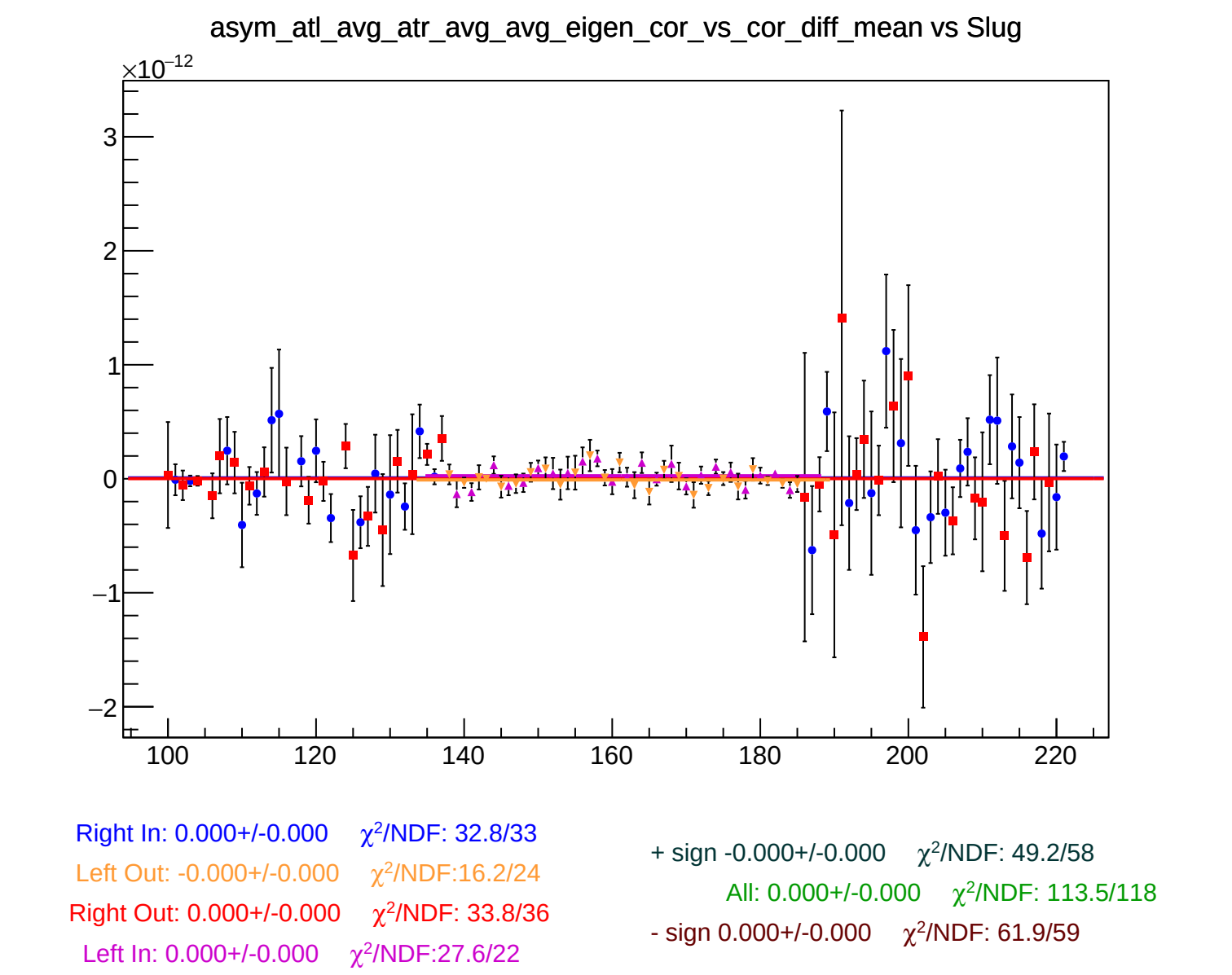
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

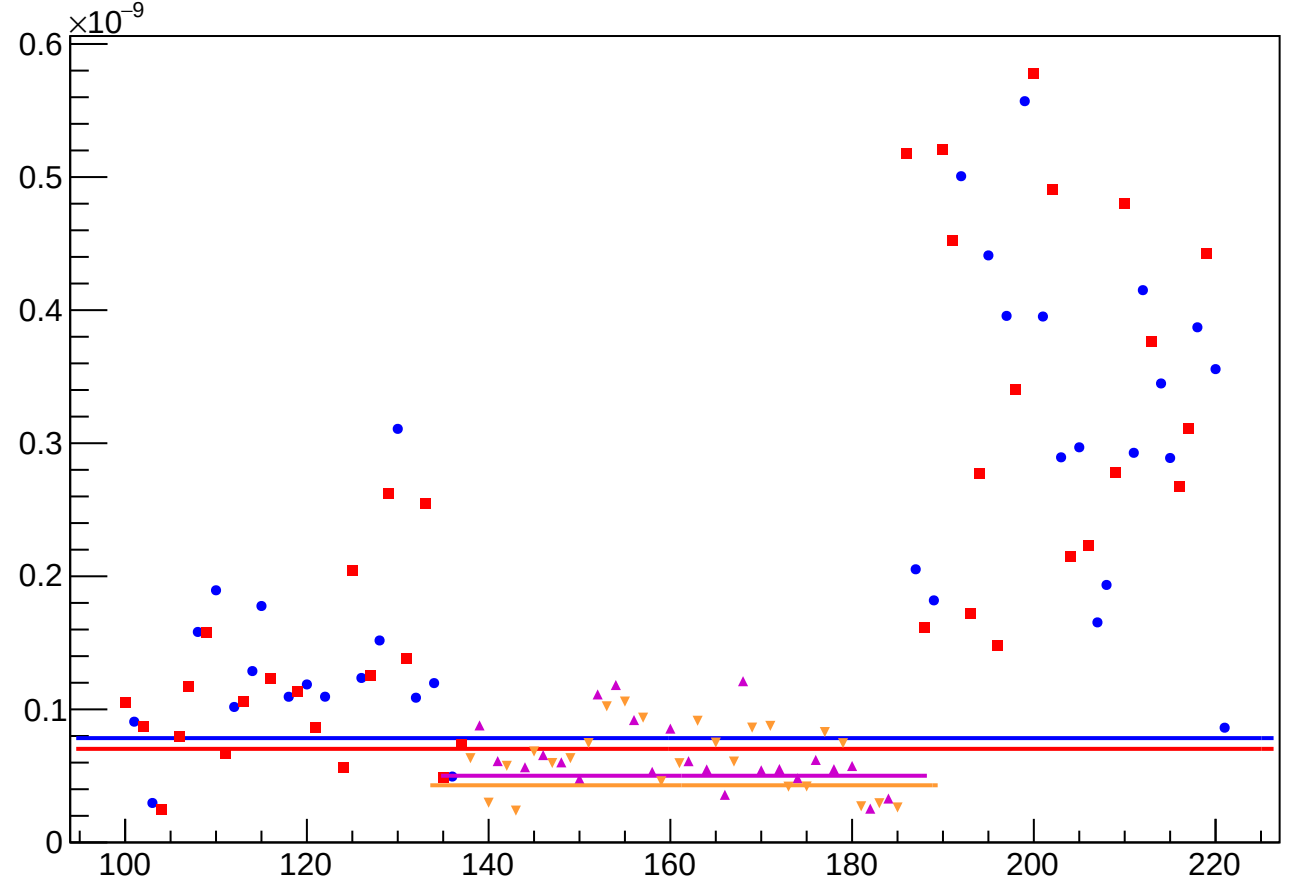
+ sign -0.022+/-0.034 χ^2/NDF: 73.9/58

All: -0.016+/-0.024 χ^2/NDF: 150.7/118

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59


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
220
Right In: 163.895+/-0.027 χ2/NDF: 2960478.4/33
Left Out: 311.961+/-0.054 χ2/NDF:4350376.6/24
Right Out: 152.426+/-0.026 χ2/NDF: 5001314.9/36
Left In: 302.377+/-0.053 χ2/NDF:2808874.8/22
+ sign 192.651+/-0.024 χ2/NDF: 13320698.0/58
All: 186.919+/-0.017 χ2/NDF: 27707531.8/11
- sign 181.466+/-0.023 χ2/NDF: 14274533.3/59


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 32.8/33
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.8/36
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
+ sign -0.000+/-0.000 χ²/NDF: 49.2/58
All: 0.000+/-0.000 χ²/NDF: 113.5/118
- sign 0.000+/-0.000 χ²/NDF: 61.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 13439441.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12852594.4/36

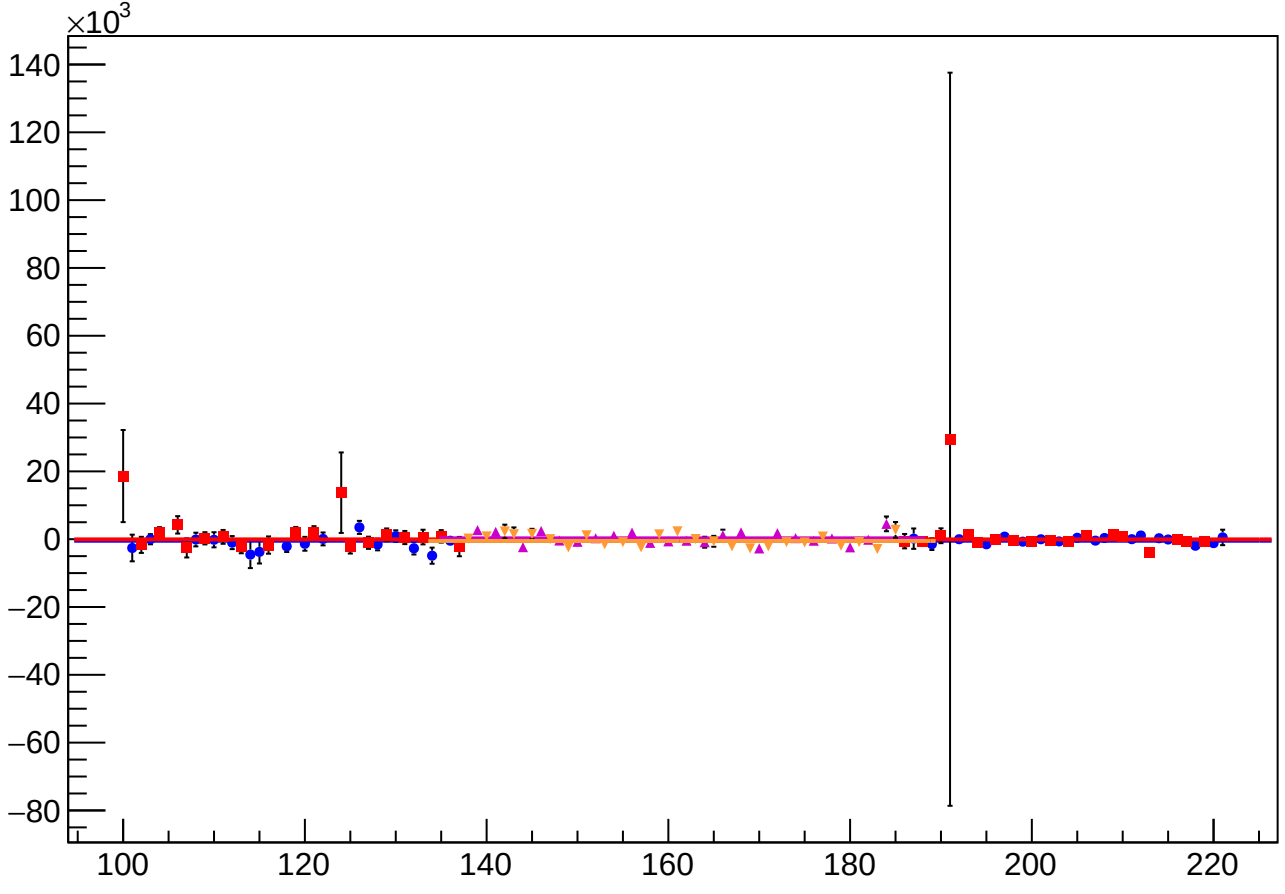
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20779715.1/58

All: 0.000+/-0.000 χ^2/NDF: 38145163.2/118

- sign 0.000+/-0.000 χ^2/NDF: 17183346.2/59

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -447.361+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -60.765+/-280.571 χ^2/NDF: 30.2/36

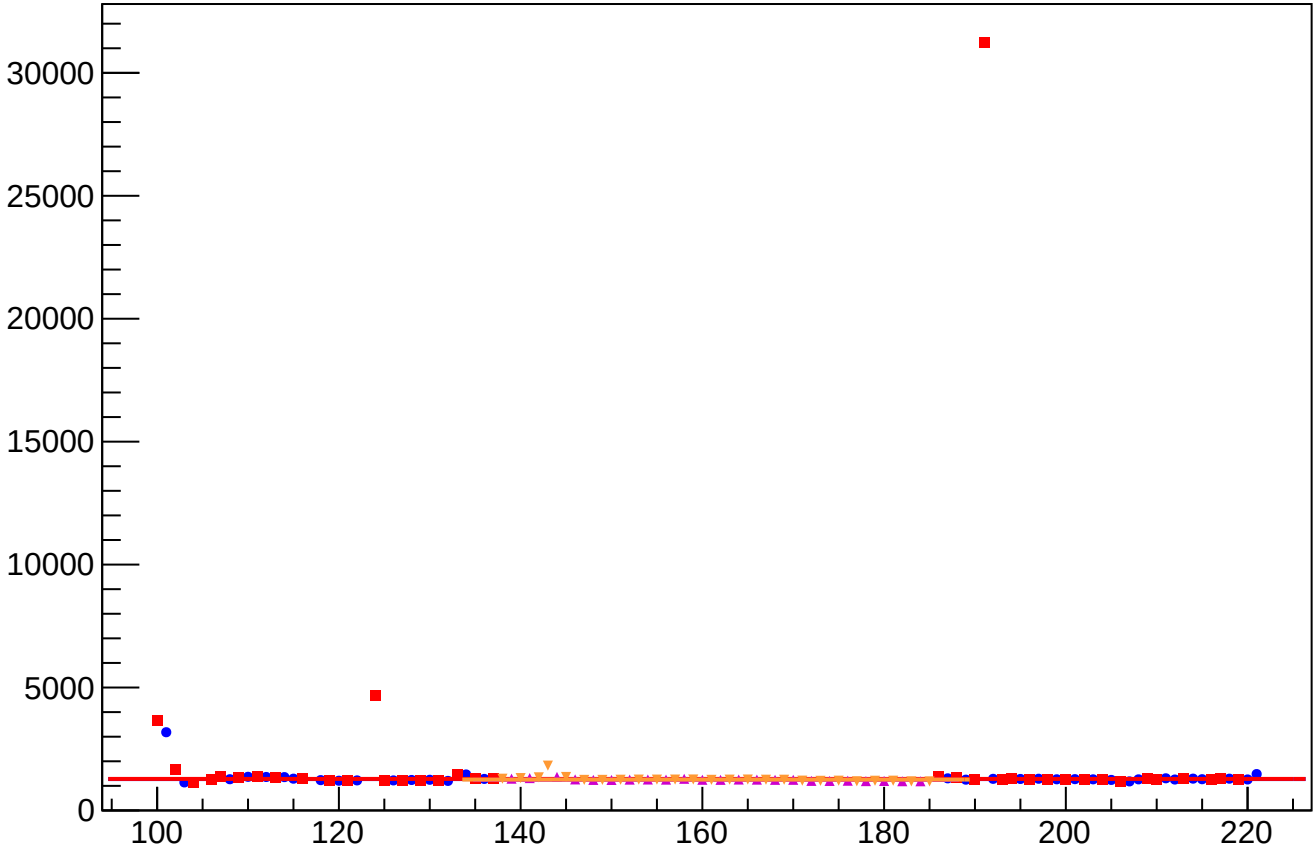
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -479.893+/-199.067 χ^2/NDF: 50.9/58

All: -201.460+/-141.799 χ^2/NDF: 117.7/118

- sign 85.339+/-202.036 χ^2/NDF: 62.8/59

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550800.6/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

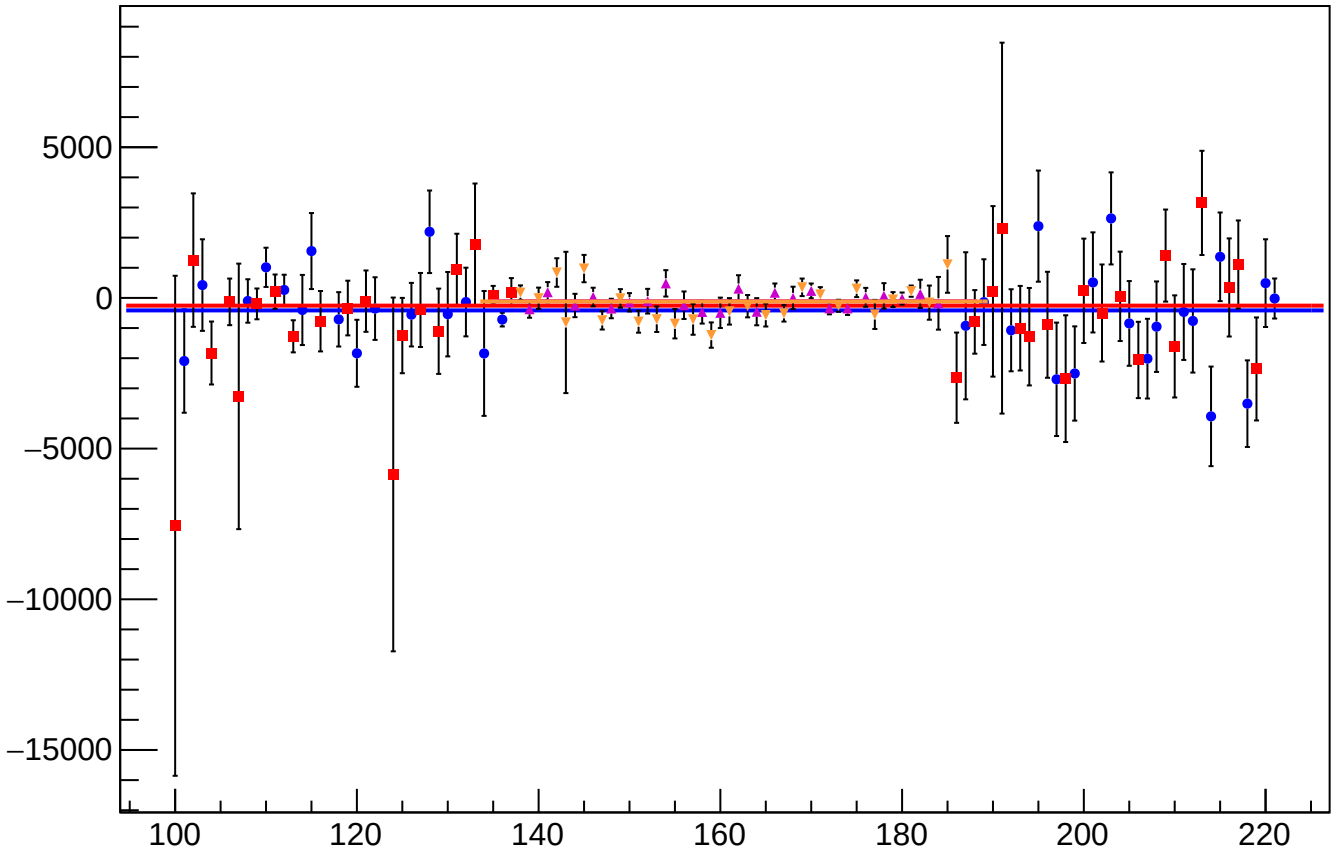
Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759556.9/58

All: 1265.856+/-0.100 χ^2/NDF: 1324501.9/11

- sign 1265.289+/-0.143 χ^2/NDF: 564914.0/59



Right In: -414.601+/-149.684 χ^2/NDF: 41.5/33

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

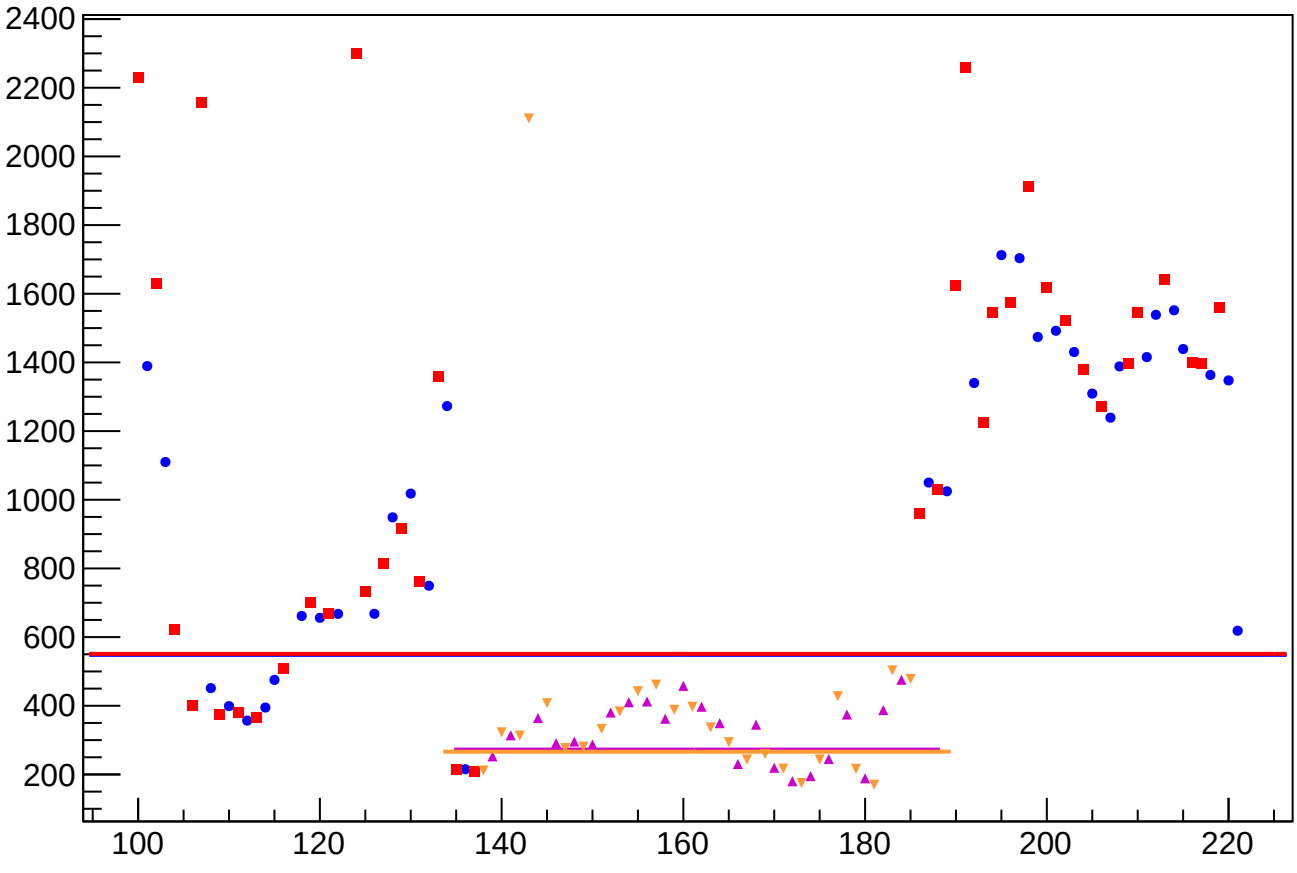
Right Out: -256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -164.312+/-59.667 χ^2/NDF: 93.3/58

All: -148.080+/-42.817 χ^2/NDF: 138.3/118

\- sign -130.848+/-61.479 χ^2/NDF: 44.9/59



Right In: 548.299+/-0.106 χ^2/NDF: 16579464.4/33

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

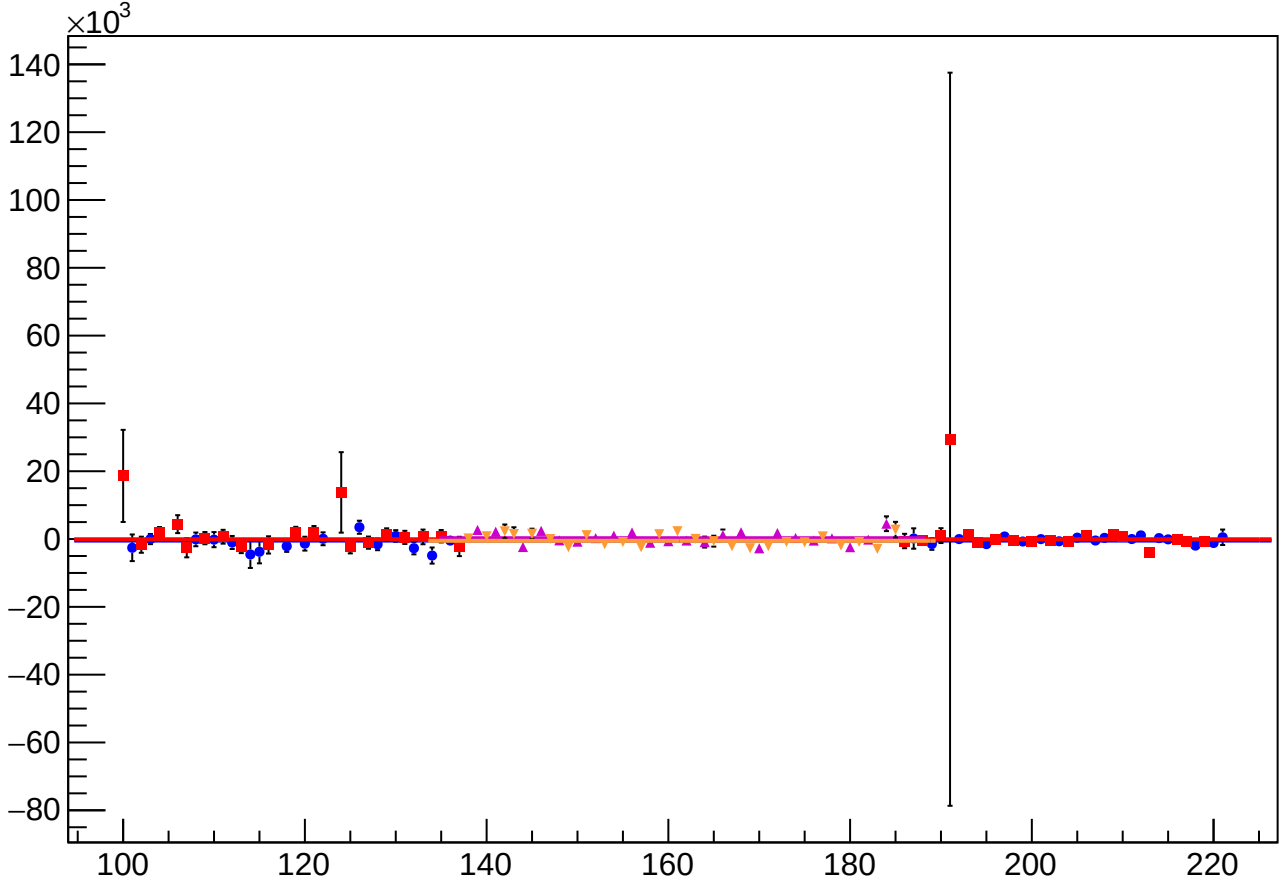
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 311.126+/-0.042 χ^2/NDF: 27179424.2/58

All: 313.695+/-0.030 χ^2/NDF: 52062794.9/11

- sign 316.423+/-0.043 χ^2/NDF: 24875725.5/59

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

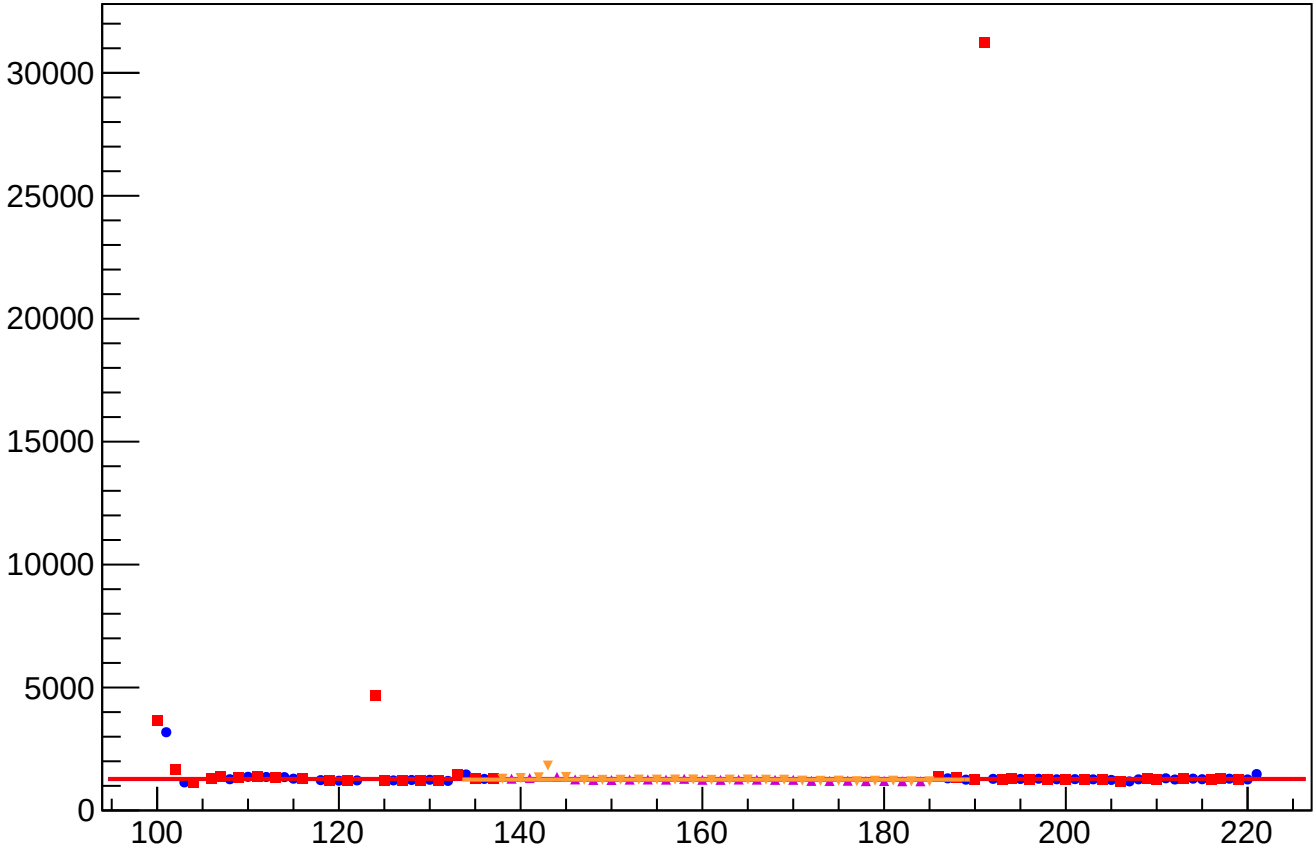
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -201.733+/-141.812 χ^2/NDF: 117.8/118

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

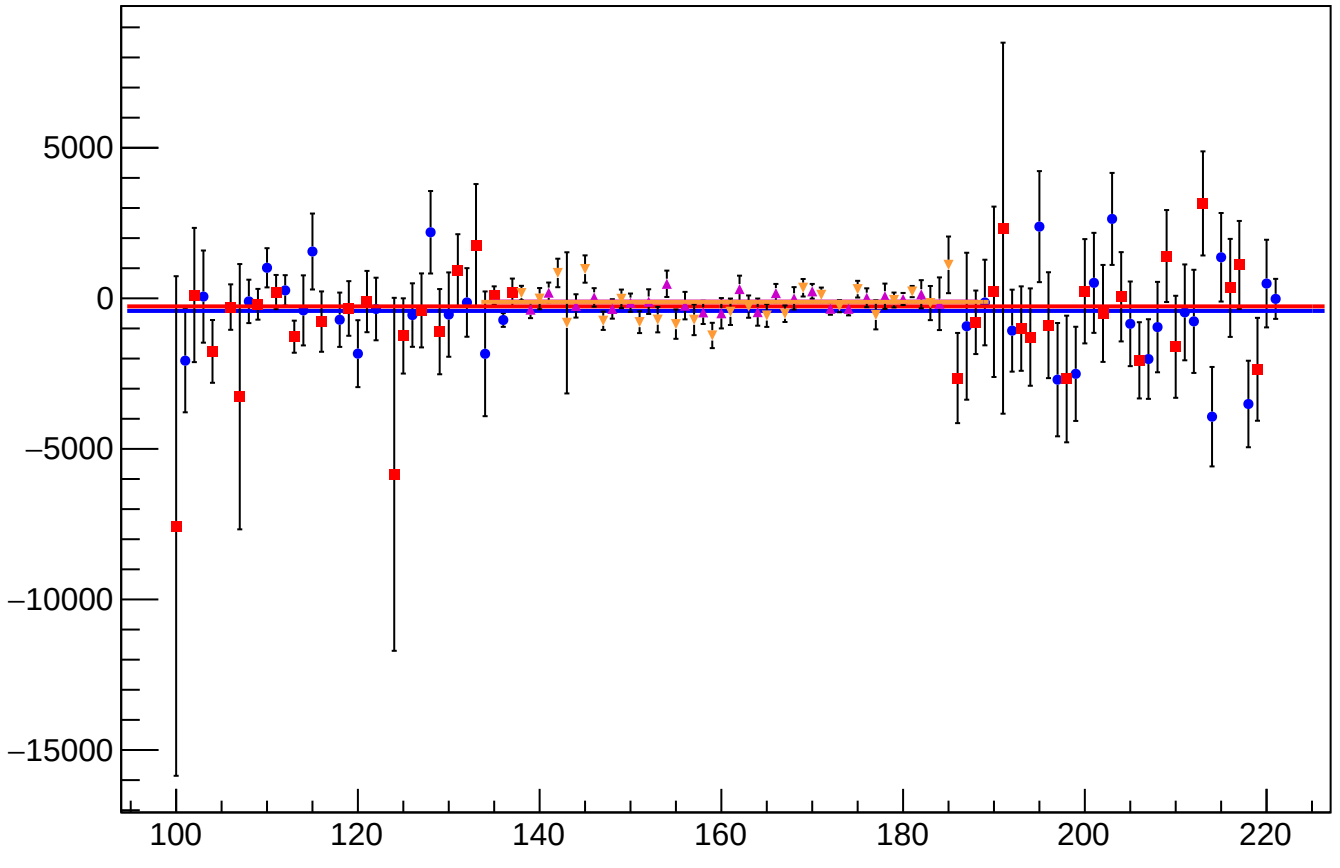
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

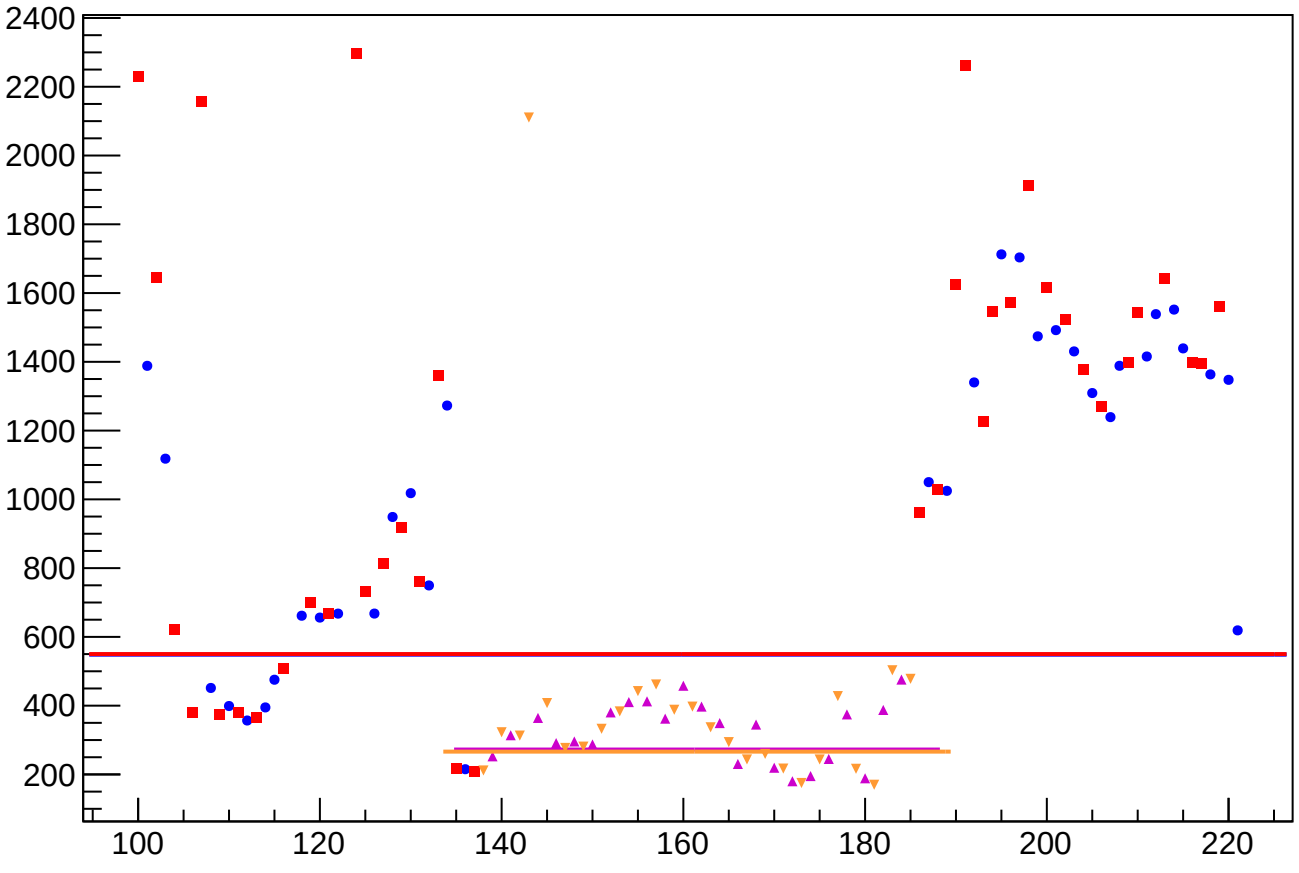
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -164.829+/-59.669 χ^2/NDF: 93.1/58

All: -149.245+/-42.815 χ^2/NDF: 137.6/118

\- sign -132.704+/-61.471 χ^2/NDF: 44.3/59

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 548.342+/-0.106 χ^2/NDF: 16582614.5/33

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

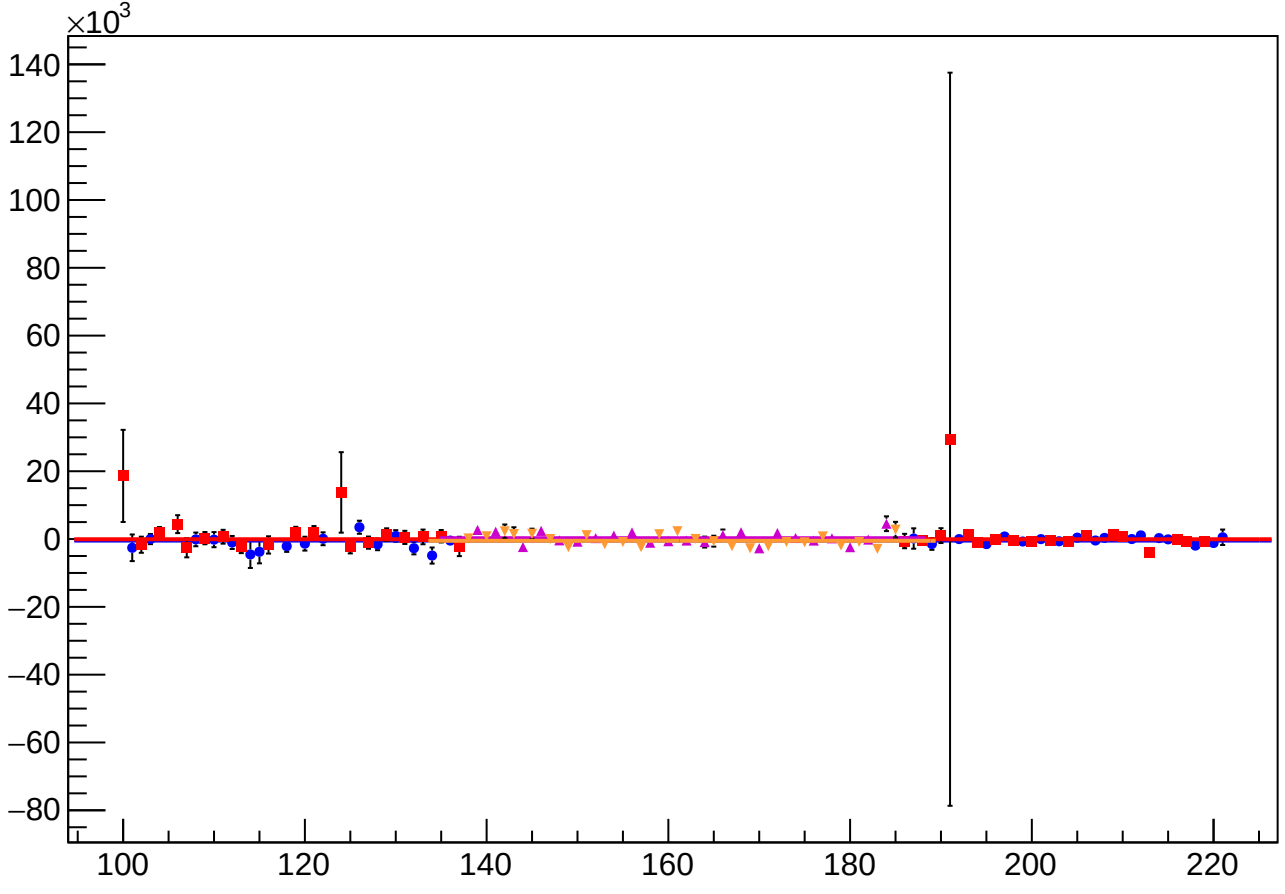
Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 311.130+/-0.042 χ^2/NDF: 27182948.1/58

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

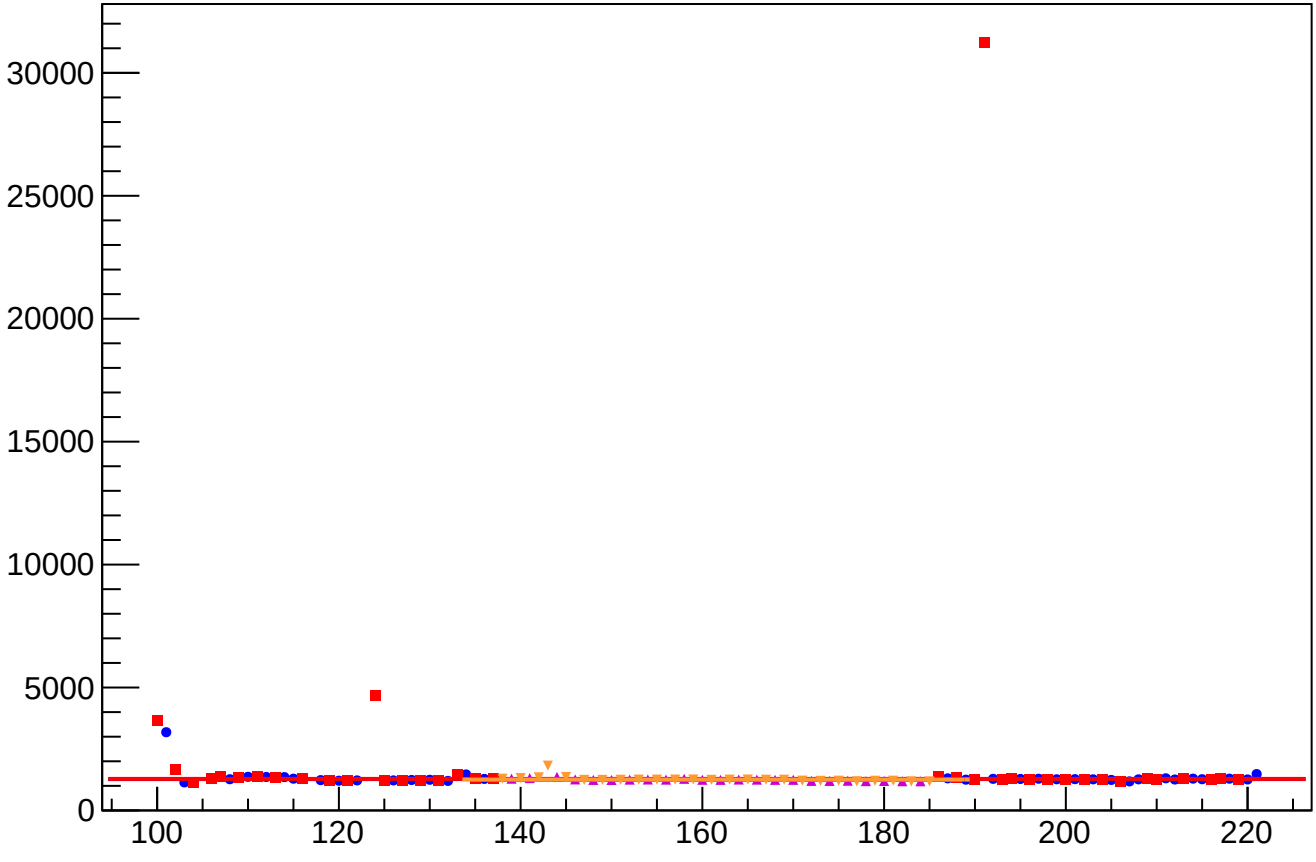
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -201.733+/-141.812 χ^2/NDF: 117.8/118

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

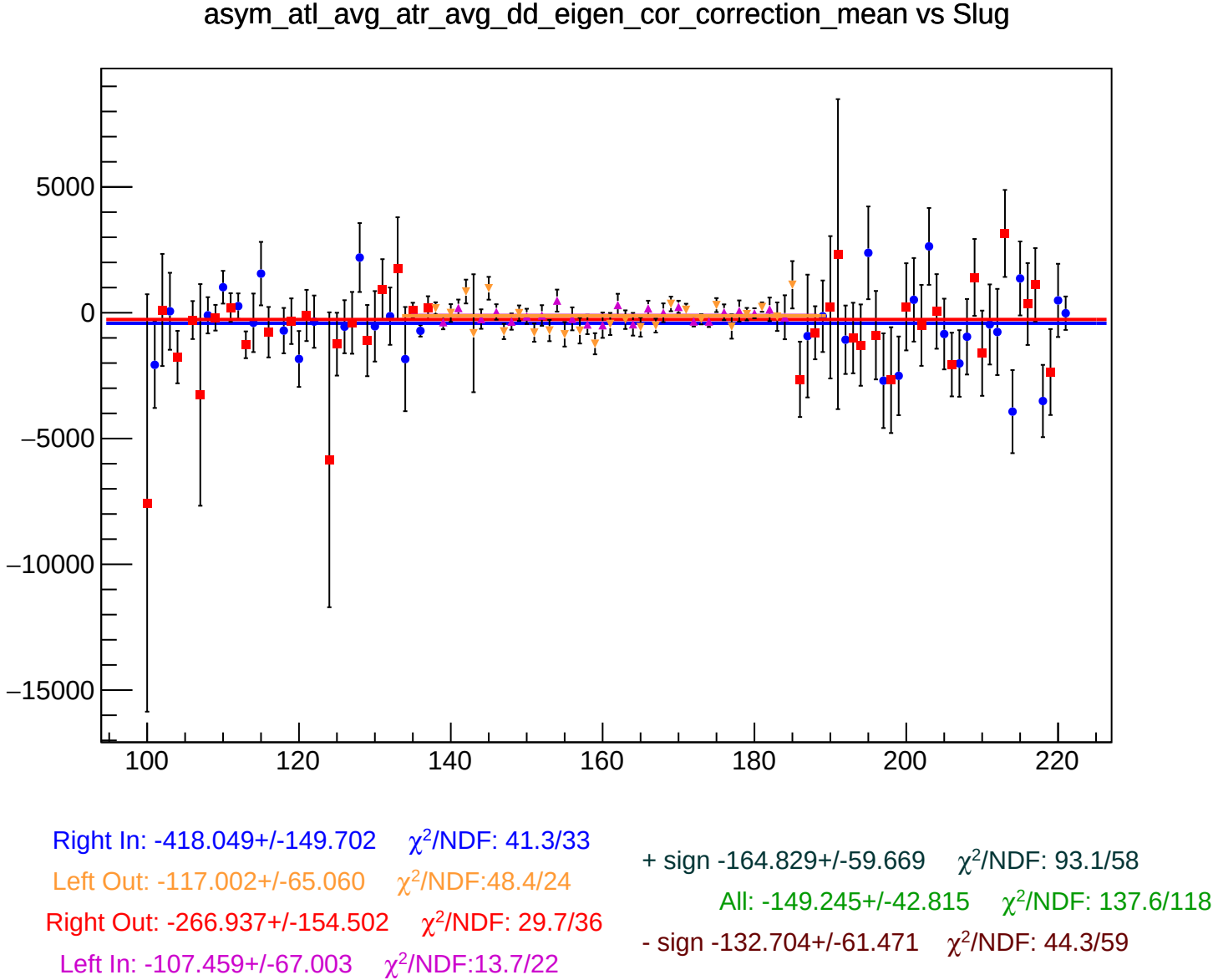
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

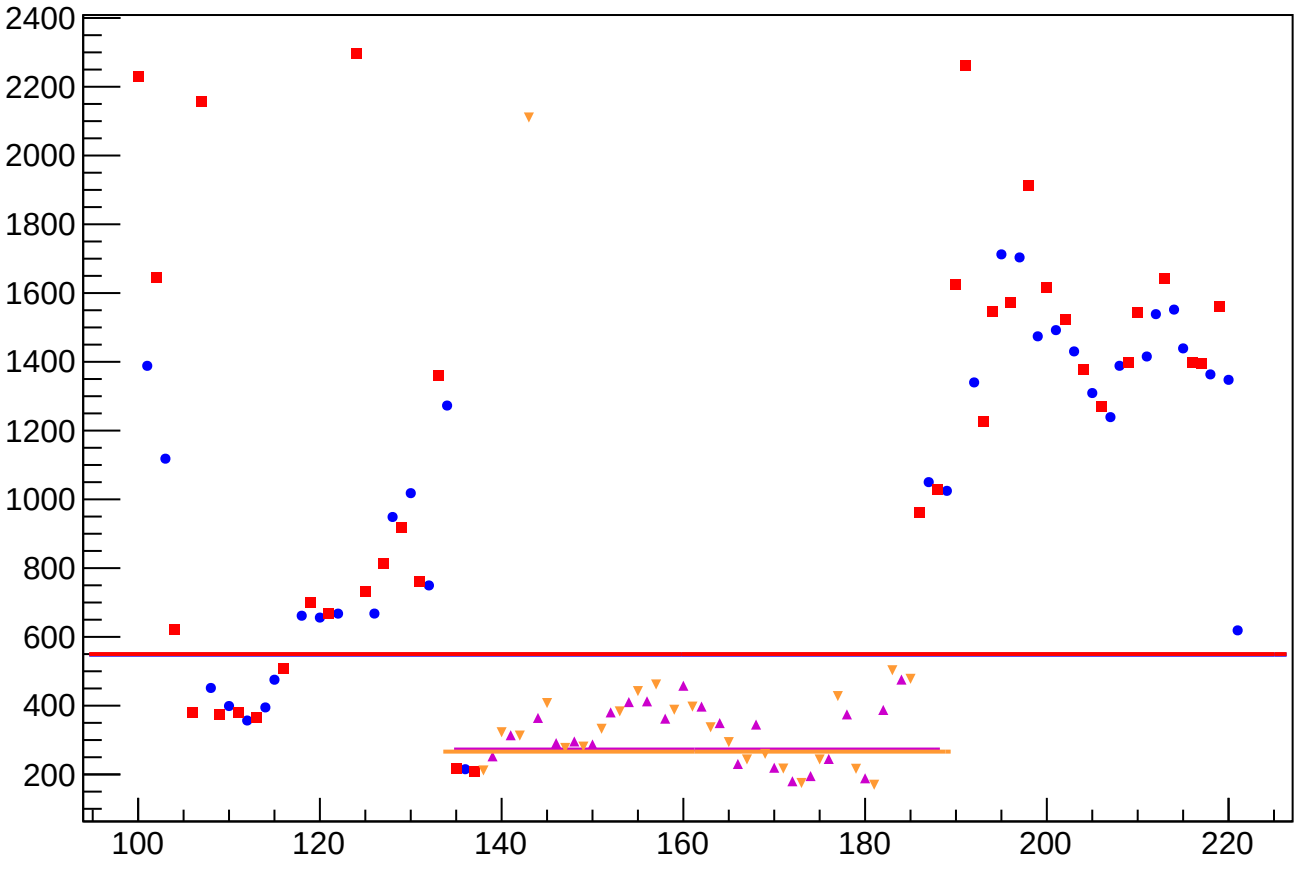
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: -418.049+/-149.702 χ²/NDF: 41.3/33
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -266.937+/-154.502 χ²/NDF: 29.7/36
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -164.829+/-59.669 χ²/NDF: 93.1/58
All: -149.245+/-42.815 χ²/NDF: 137.6/118
- sign -132.704+/-61.471 χ²/NDF: 44.3/59



Right In: 548.342+/-0.106 χ^2/NDF: 16582614.5/33

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

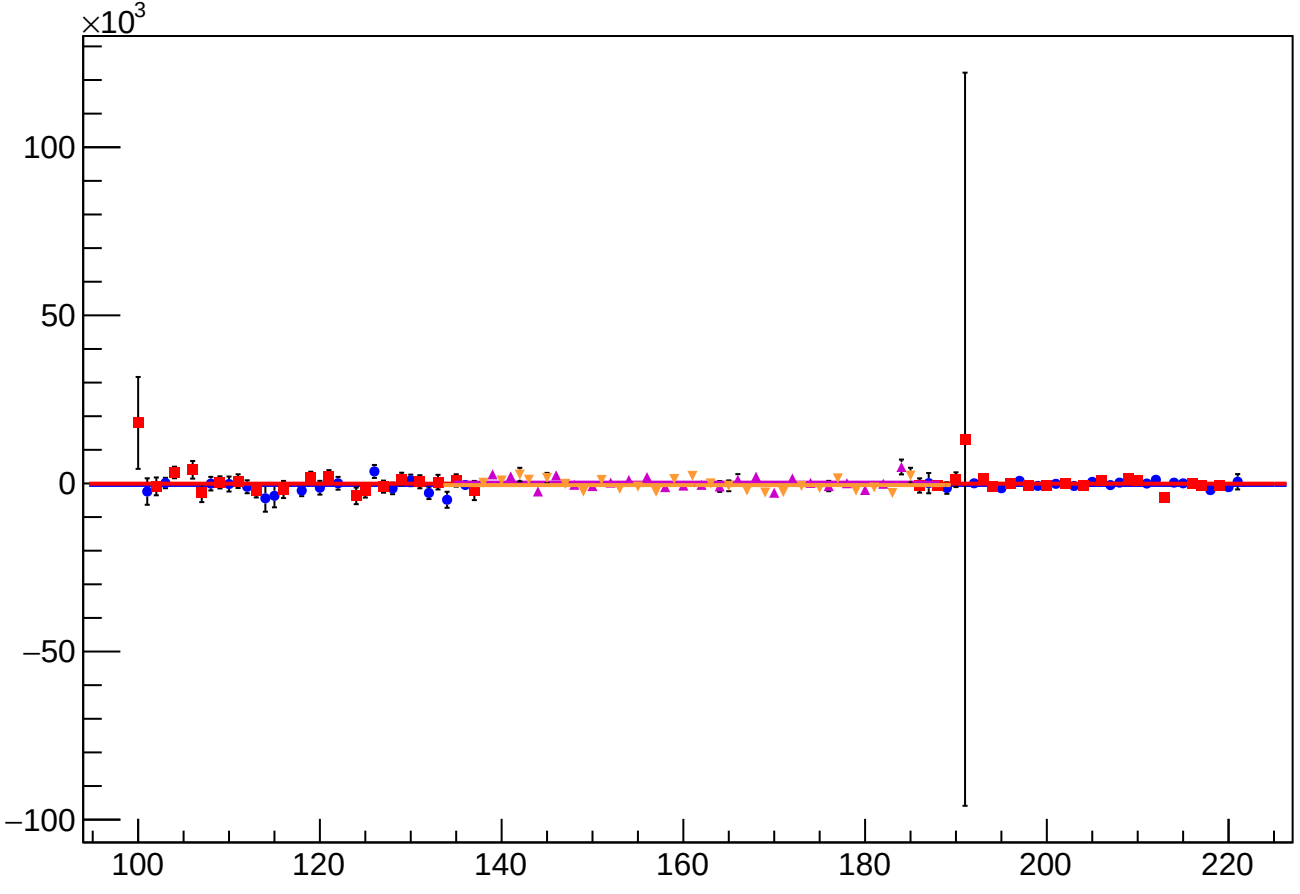
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 311.130+/-0.042 χ^2/NDF: 27182948.1/58

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -439.965+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

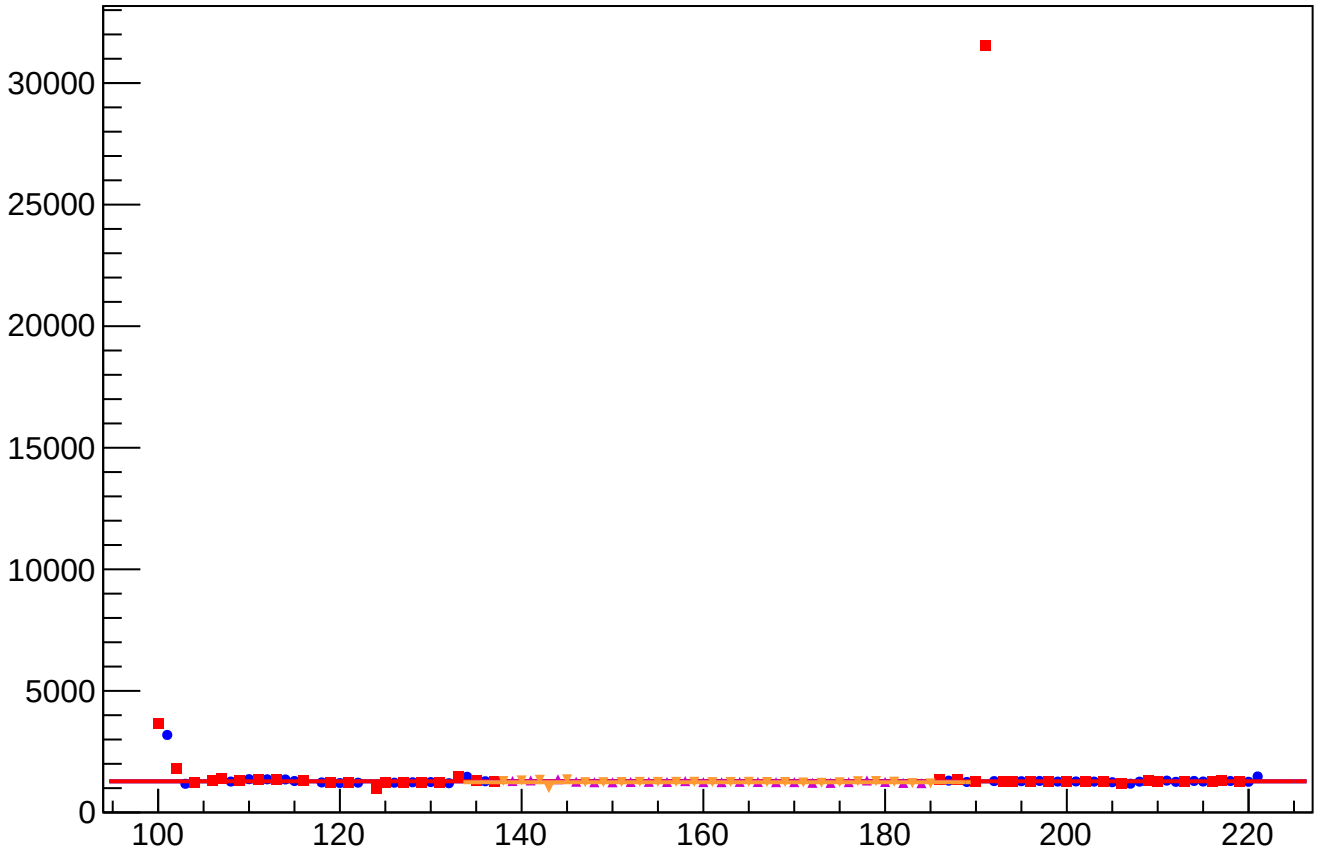
Right Out: -62.295+/-280.261 χ^2/NDF: 32.2/36

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.248+/-198.223 χ^2/NDF: 54.2/58

All: -198.412+/-141.813 χ^2/NDF: 121.4/118

- sign 82.403+/-202.969 χ^2/NDF: 63.4/59



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.6/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

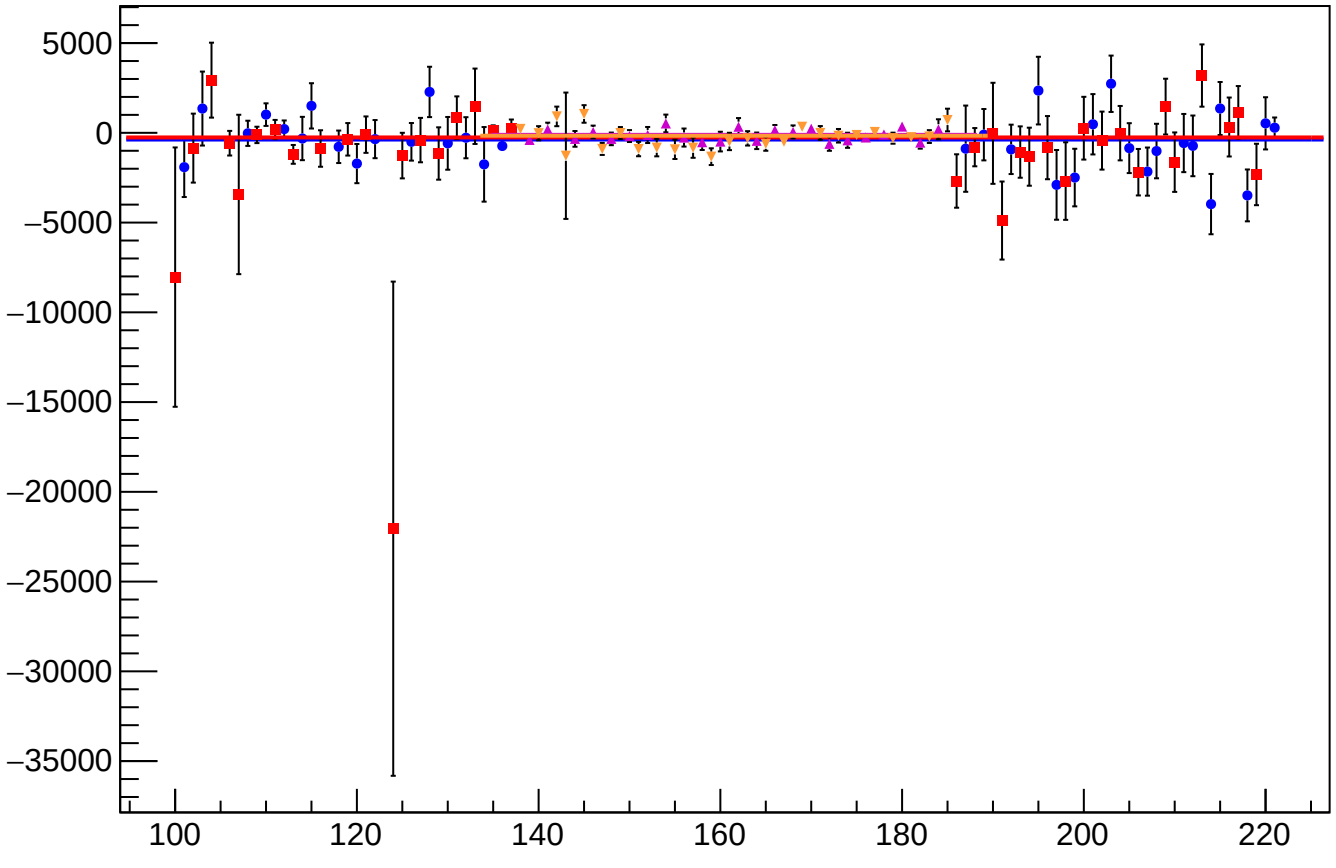
Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690746.1/58

All: 1266.313+/-0.100 χ^2/NDF: 1115690.5/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.5/59



Right In: -373.684+/-149.752 χ^2/NDF: 42.8/33

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

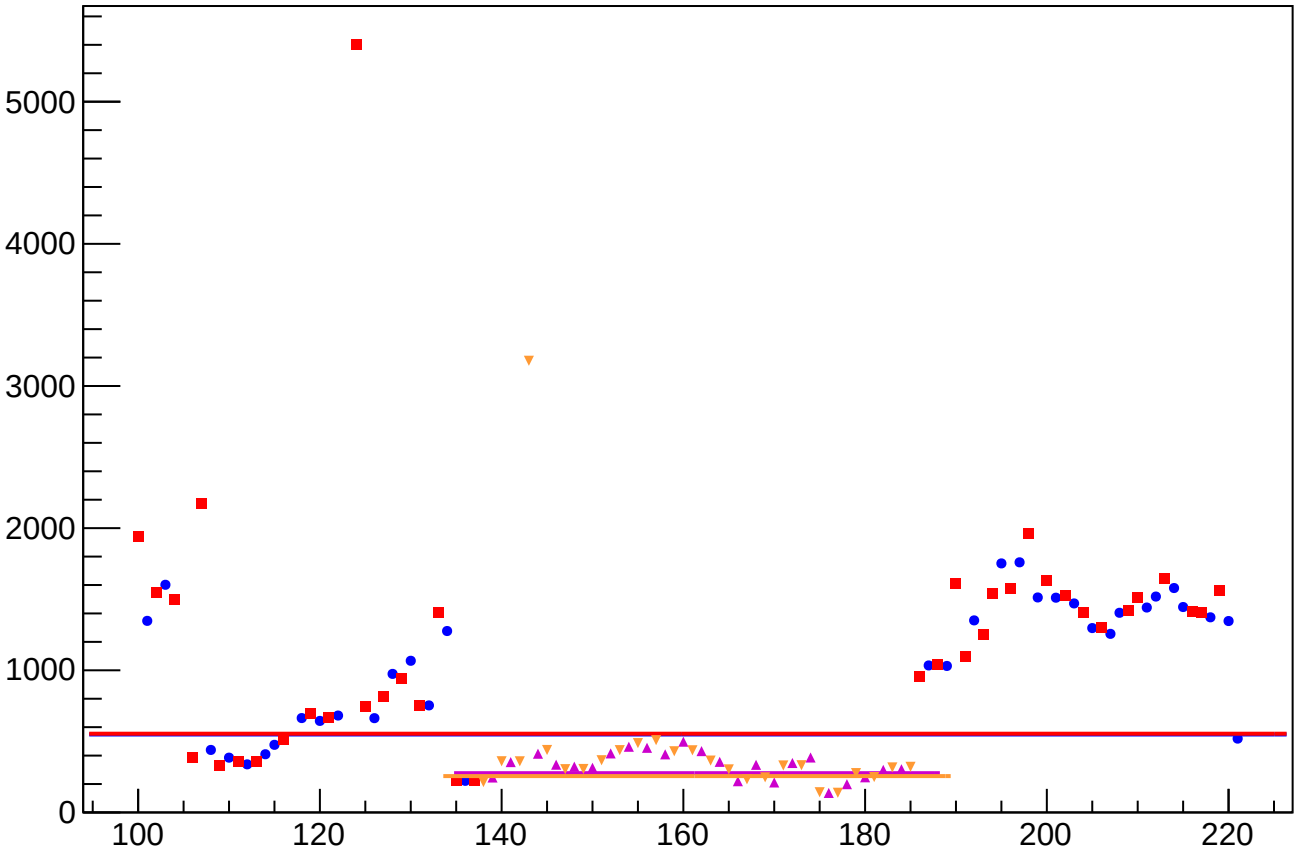
Right Out: -257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -193.903+/-58.954 χ^2/NDF: 88.3/58

All: -167.550+/-43.010 χ^2/NDF: 144.1/118

\- sign -137.563+/-62.887 χ^2/NDF: 55.4/59



Right In: 548.453+/-0.106 χ^2/NDF: 16689766.5/33

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

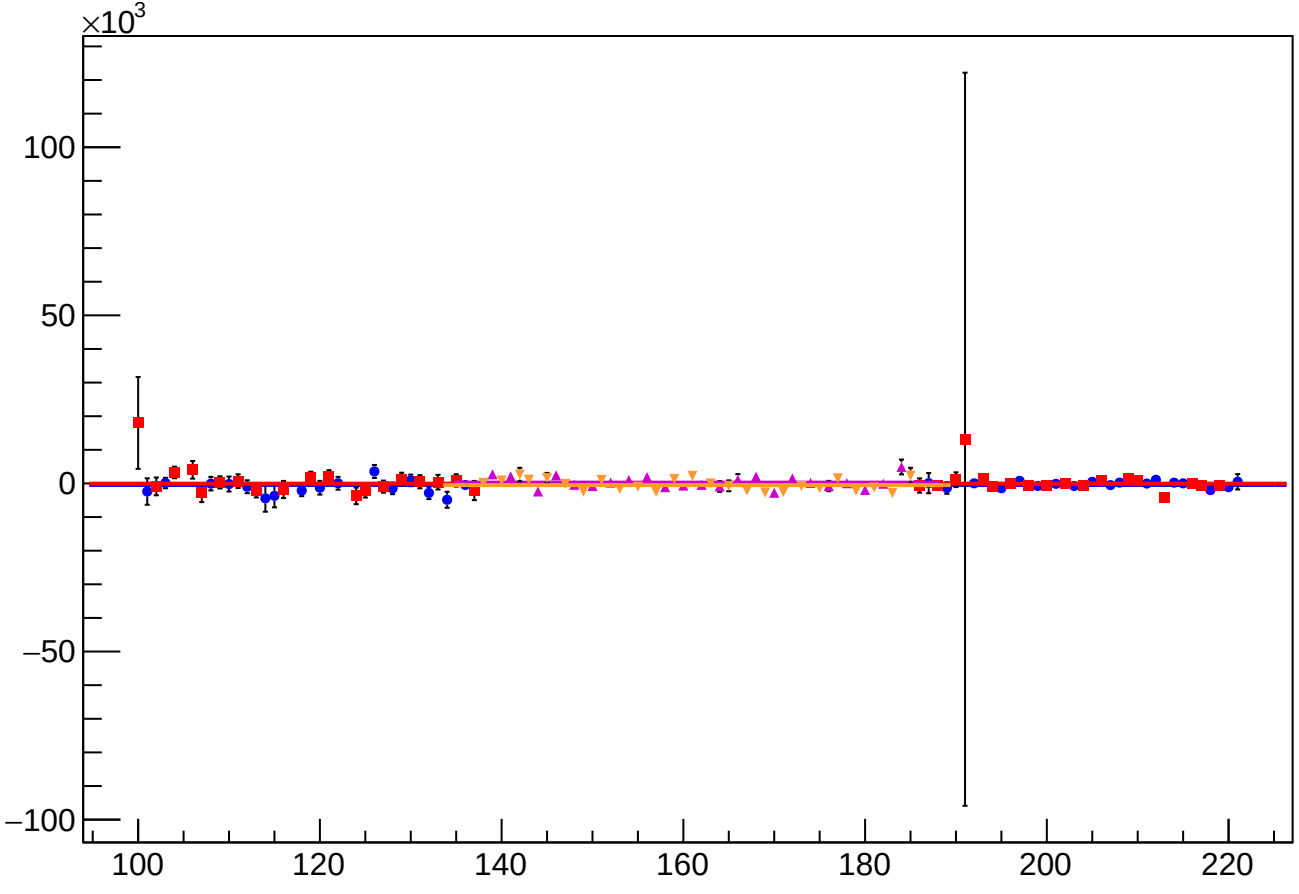
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 301.129+/-0.042 χ^2/NDF: 29519541.1/58

All: 311.008+/-0.030 χ^2/NDF: 56108493.8/11

- sign 322.248+/-0.044 χ^2/NDF: 26468896.1/59

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -439.963+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -62.294+/-280.261 χ^2/NDF: 32.2/36

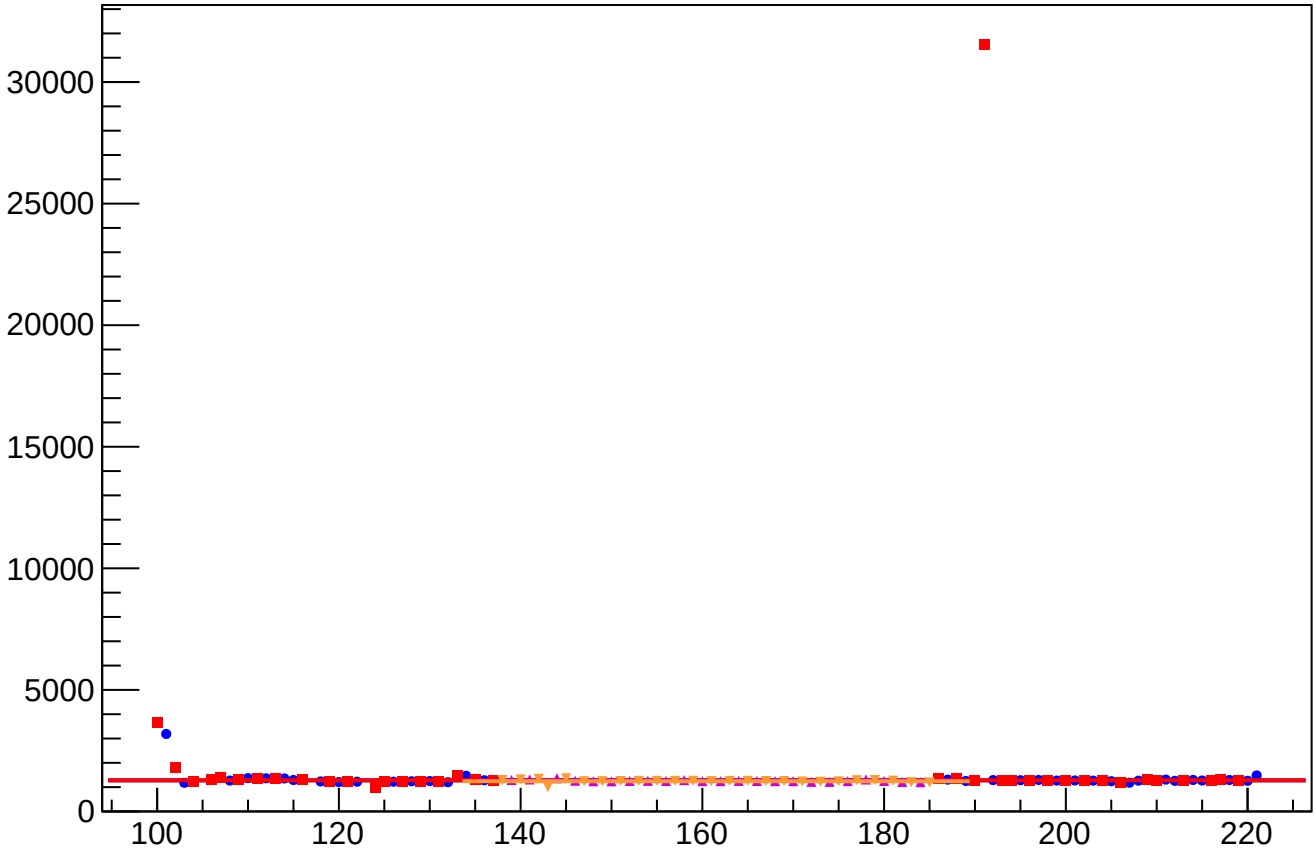
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.246+/-198.223 χ^2/NDF: 54.2/58

All: -198.411+/-141.813 χ^2/NDF: 121.4/118

- sign 82.404+/-202.969 χ^2/NDF: 63.4/59

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.7/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

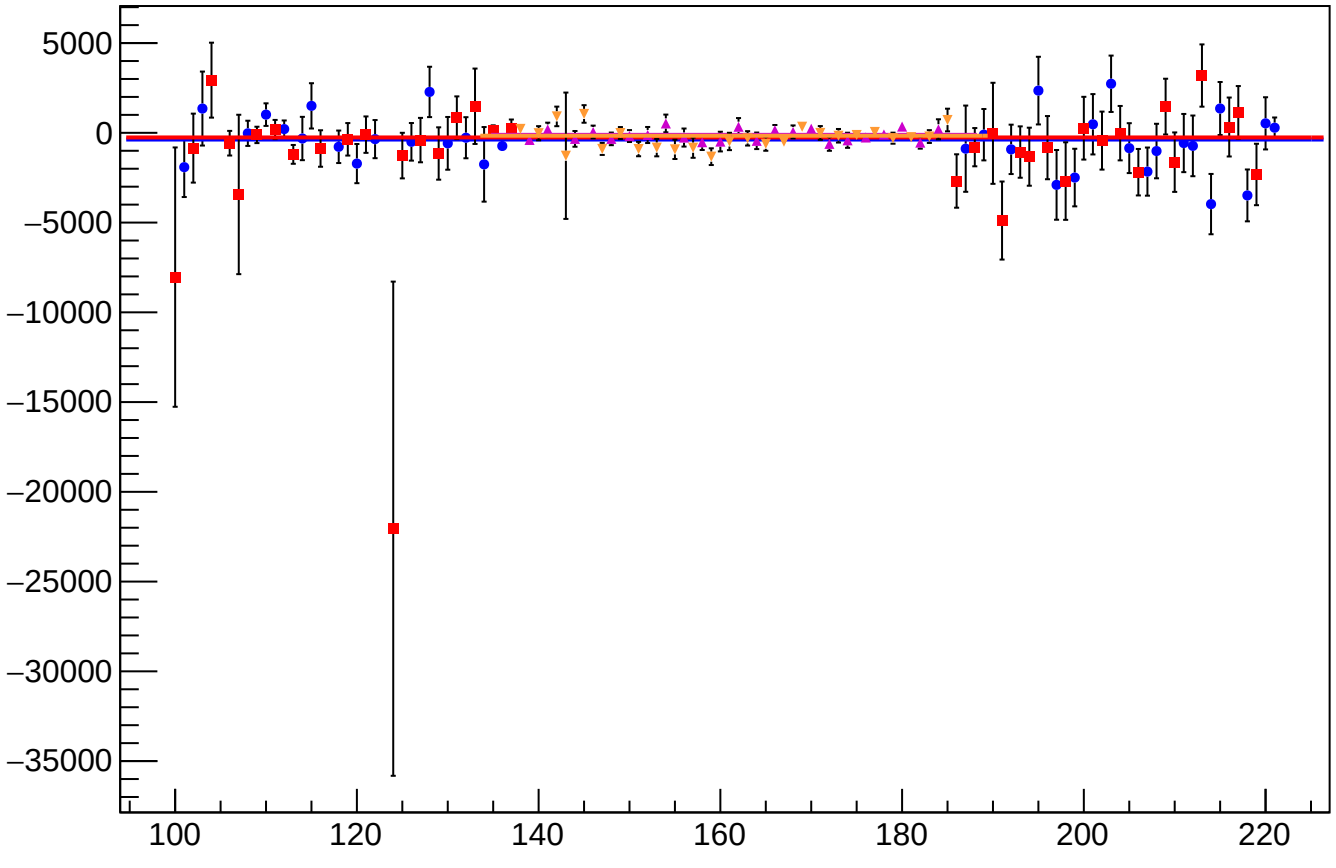
Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690745.3/58

All: 1266.313+/-0.100 χ^2/NDF: 1115690.0/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.9/59



Right In: -373.686+/-149.754 χ^2/NDF: 42.8/33

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

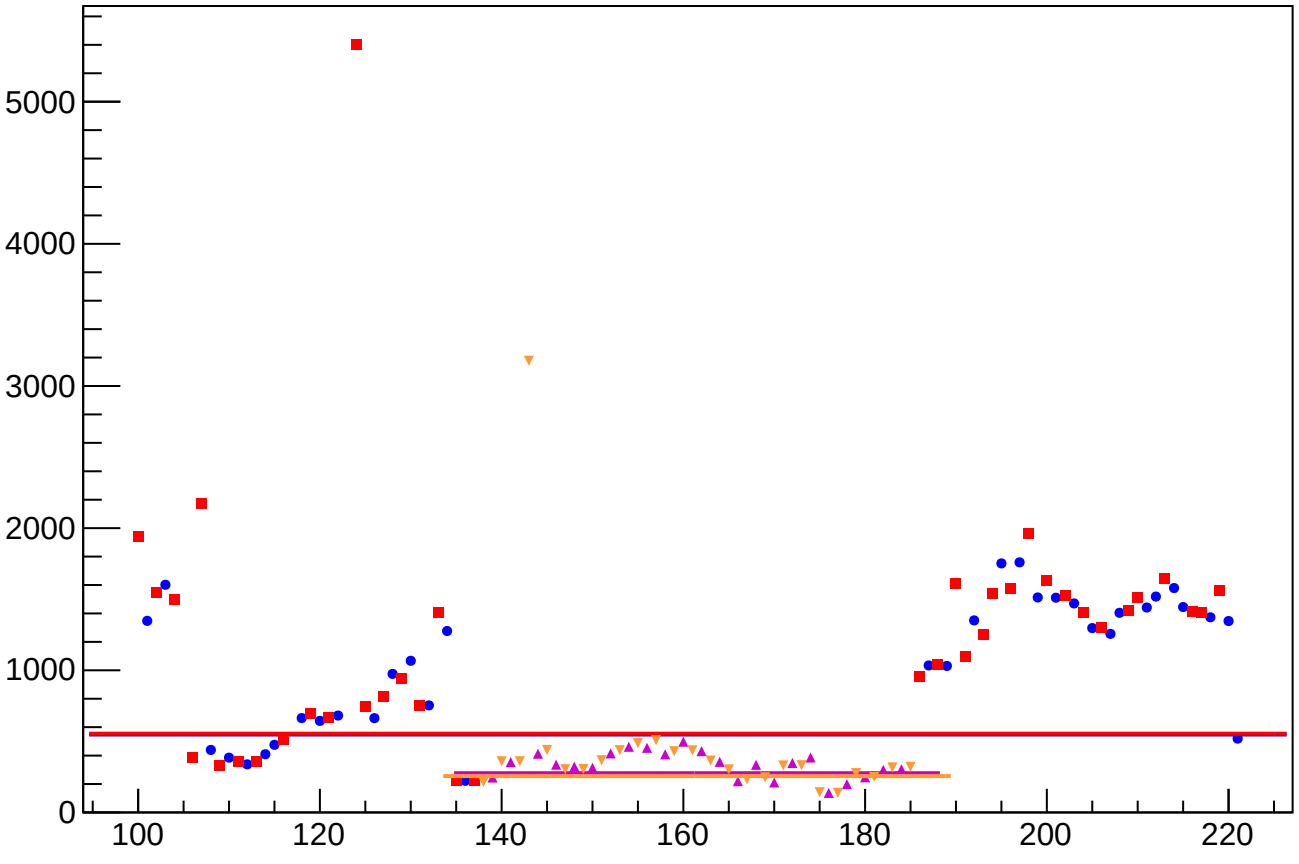
Right Out: -257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -193.905+/-58.954 χ^2/NDF: 88.3/58

All: -167.551+/-43.010 χ^2/NDF: 144.1/118

- sign -137.562+/-62.887 χ^2/NDF: 55.4/59



Right In: 548.466+/-0.106 χ^2/NDF: 16689273.4/33

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

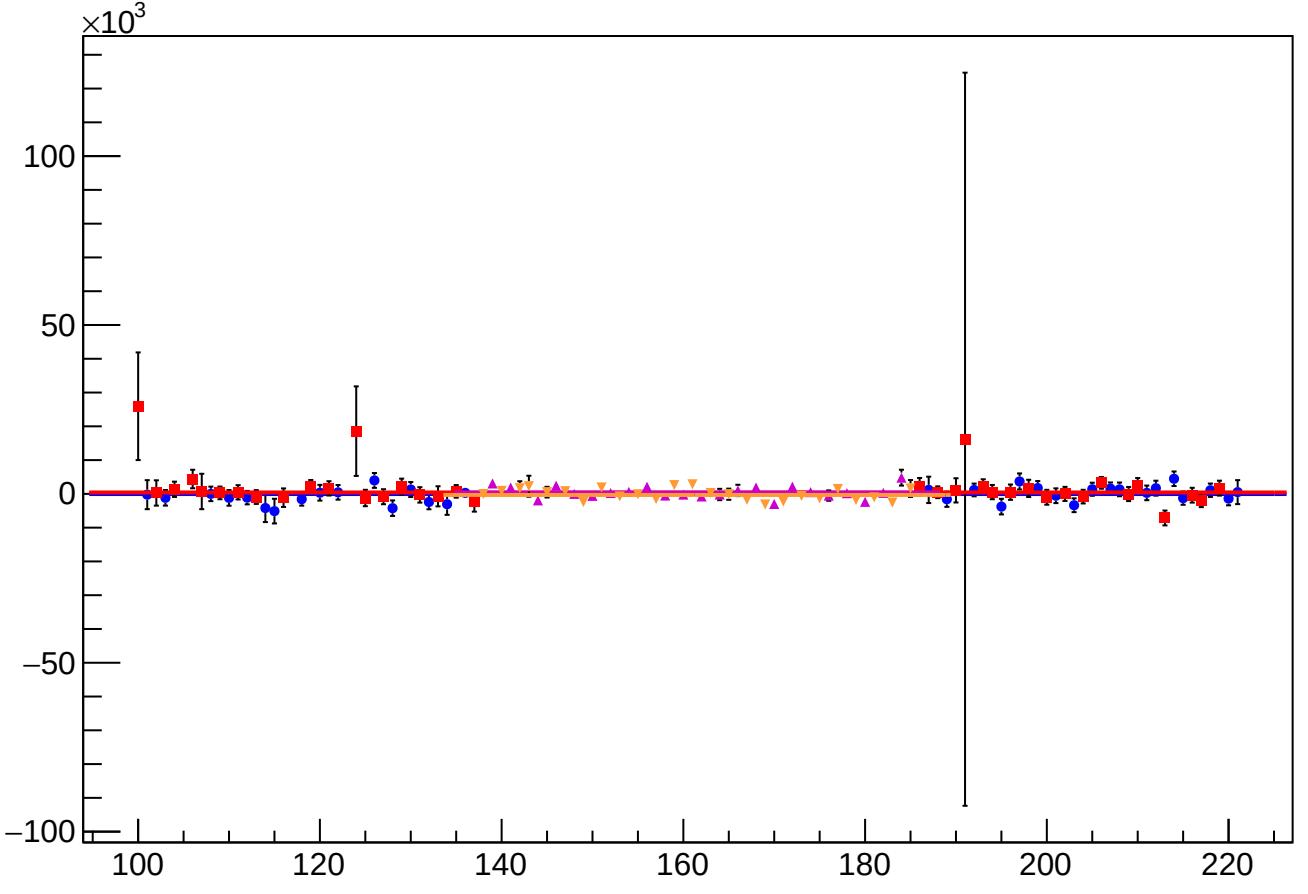
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 301.131+/-0.042 χ^2/NDF: 29519286.9/58

All: 311.010+/-0.030 χ^2/NDF: 56108101.0/11

- sign 322.250+/-0.044 χ^2/NDF: 26468769.3/59

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -47.933+/-377.612 χ^2/NDF: 31.0/33

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 416.568+/-383.461 χ^2/NDF: 31.1/36

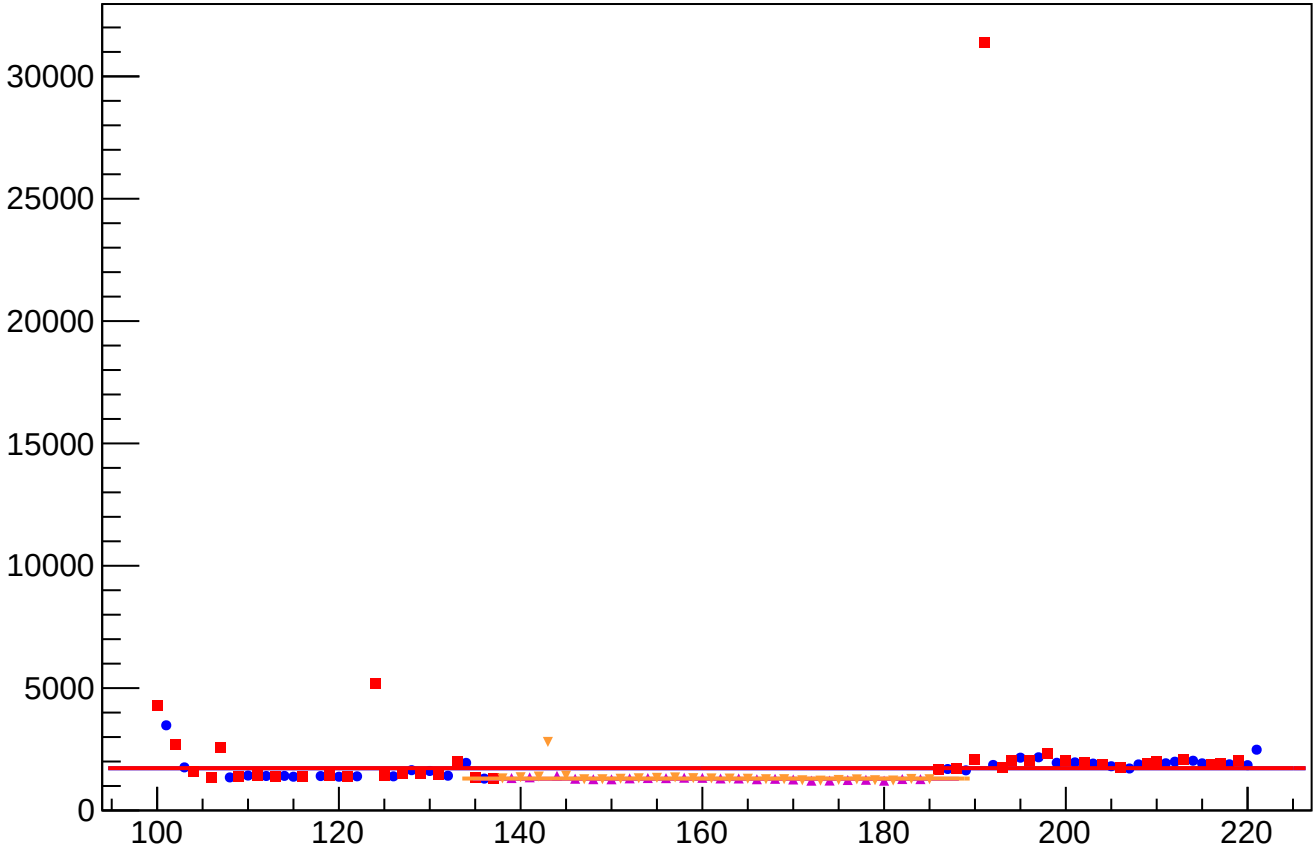
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -215.312+/-234.061 χ^2/NDF: 62.9/58

All: 78.081+/-166.607 χ^2/NDF: 126.8/118

- sign 379.416+/-237.208 χ^2/NDF: 60.7/59

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1722.149+/-0.267 χ^2/NDF: 1399616.5/33

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

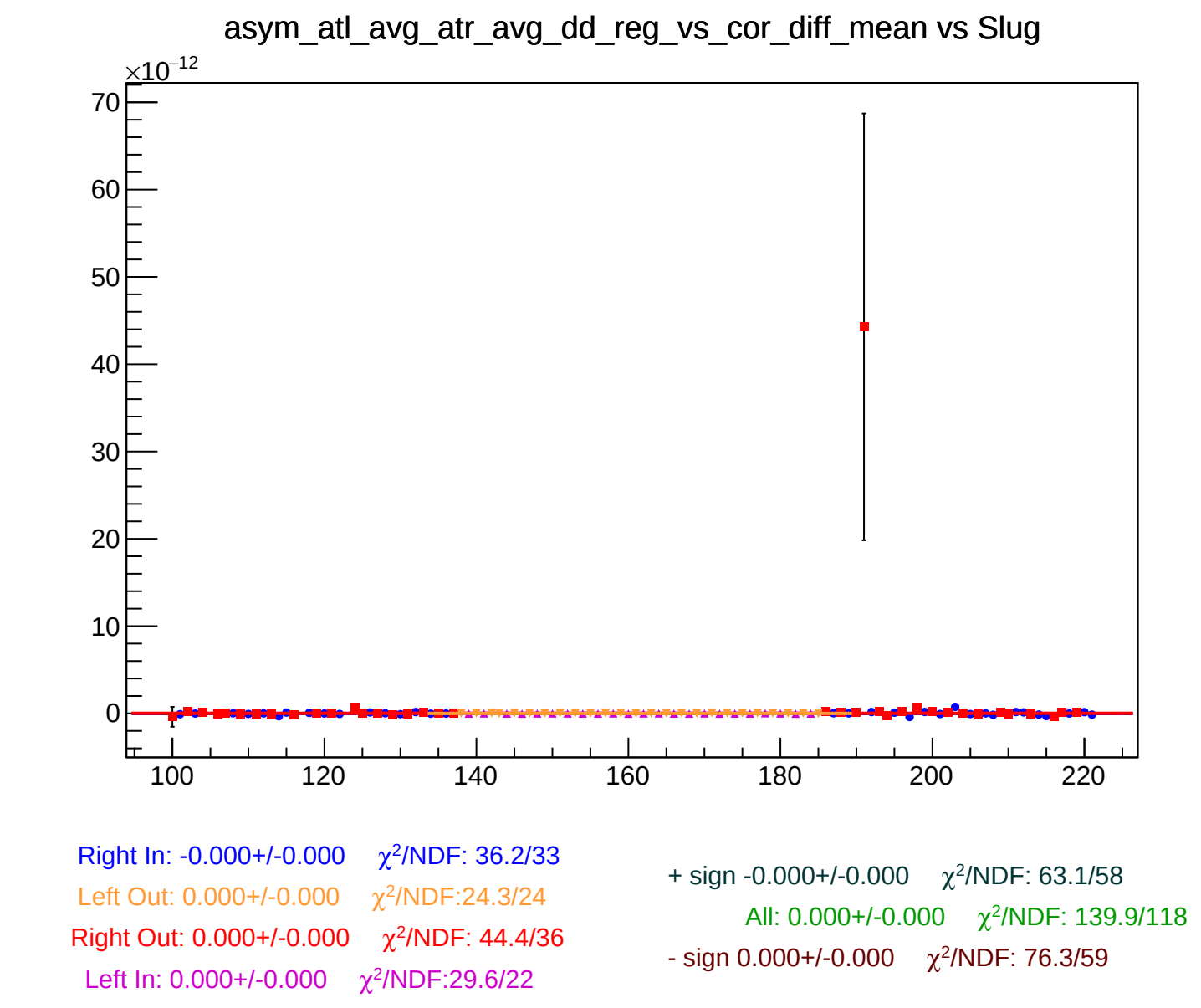
Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

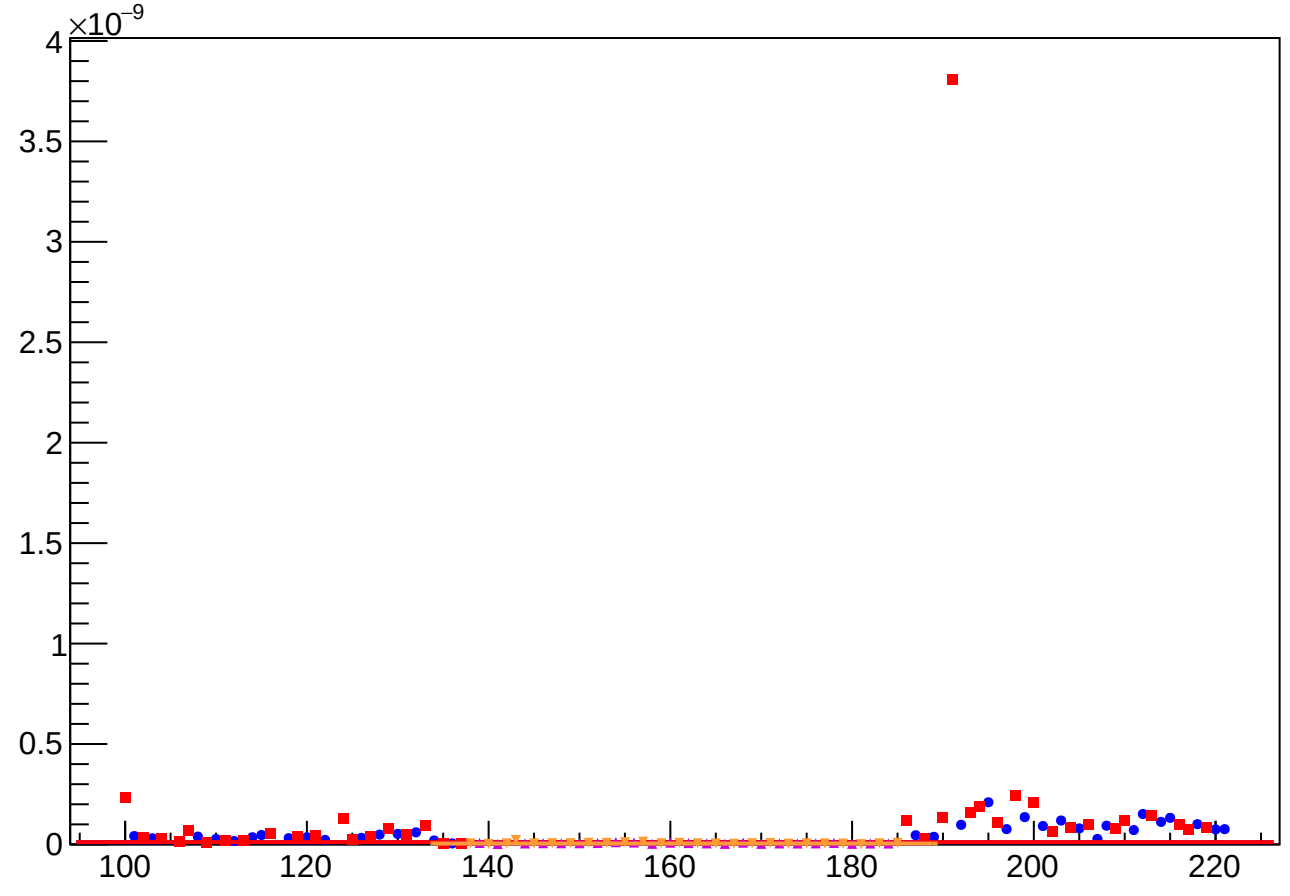
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1464.751+/-0.166 χ^2/NDF: 3428298.1/58

All: 1462.166+/-0.118 χ^2/NDF: 6658065.4/11

- sign 1459.511+/-0.168 χ^2/NDF: 3229272.8/59


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
220
Right In: -0.000+/-0.000 χ²/NDF: 36.2/33
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.4/36
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 63.1/58
All: 0.000+/-0.000 χ²/NDF: 139.9/118
- sign 0.000+/-0.000 χ²/NDF: 76.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 11598008.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

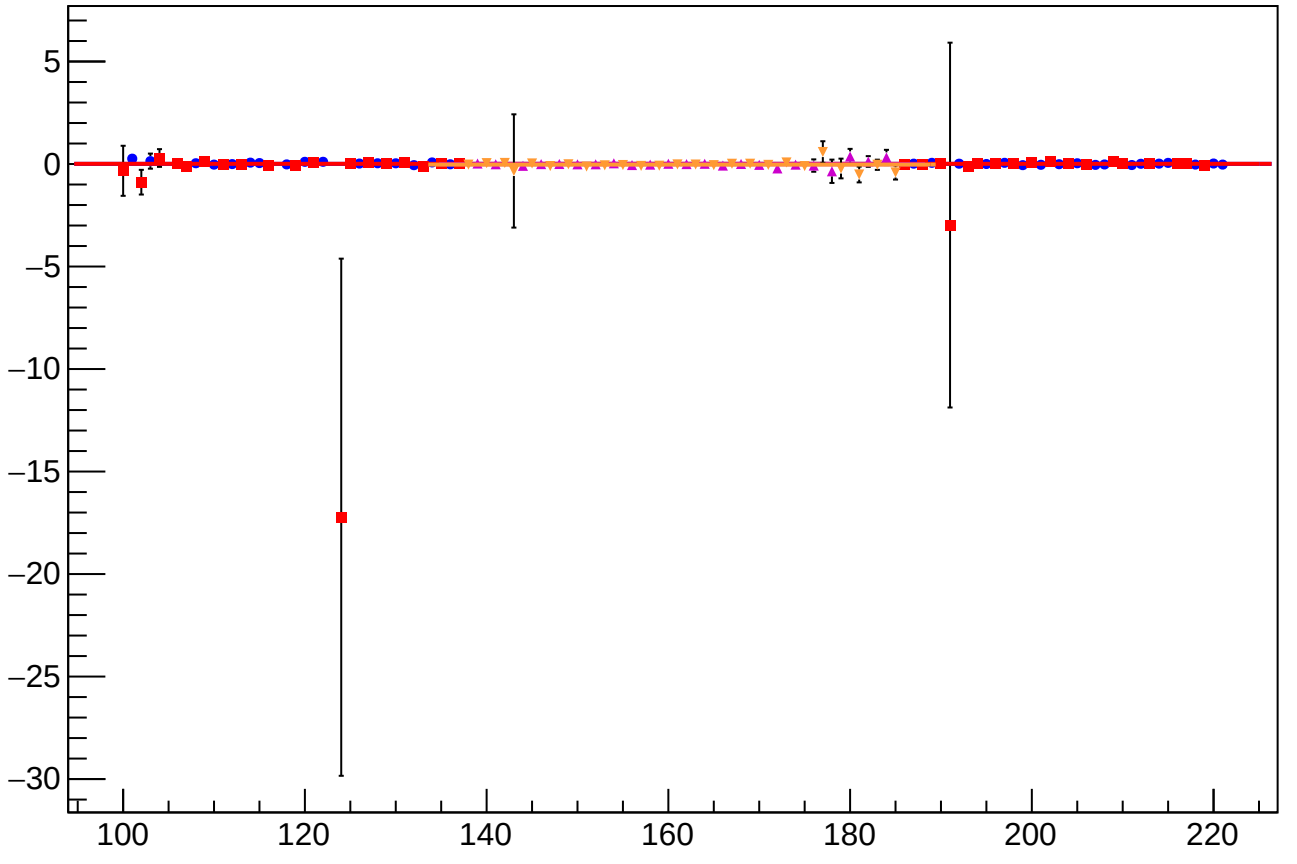
Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15866738.6/58

All: 0.000+/-0.000 χ^2/NDF: 31729795.7/118

- sign 0.000+/-0.000 χ^2/NDF: 15840693.9/59



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

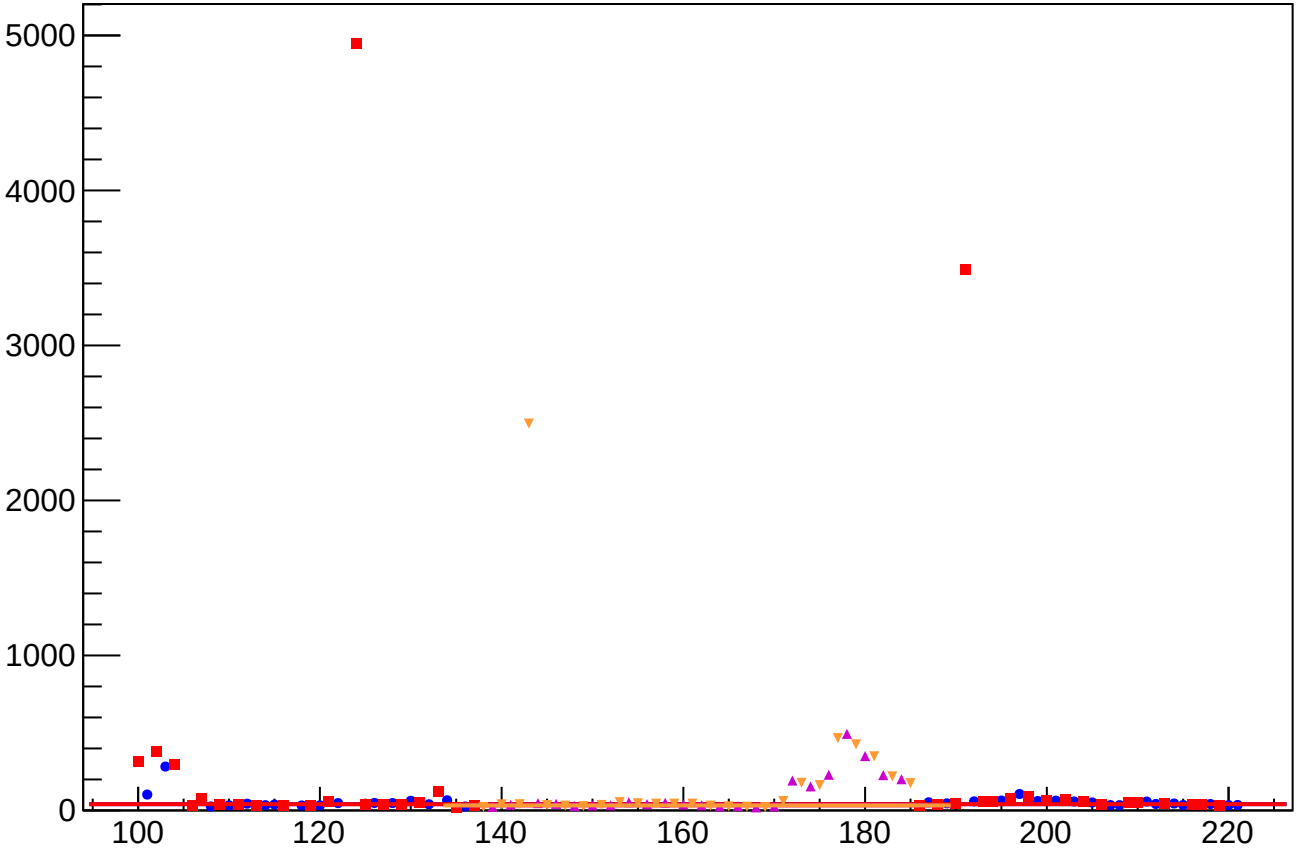
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

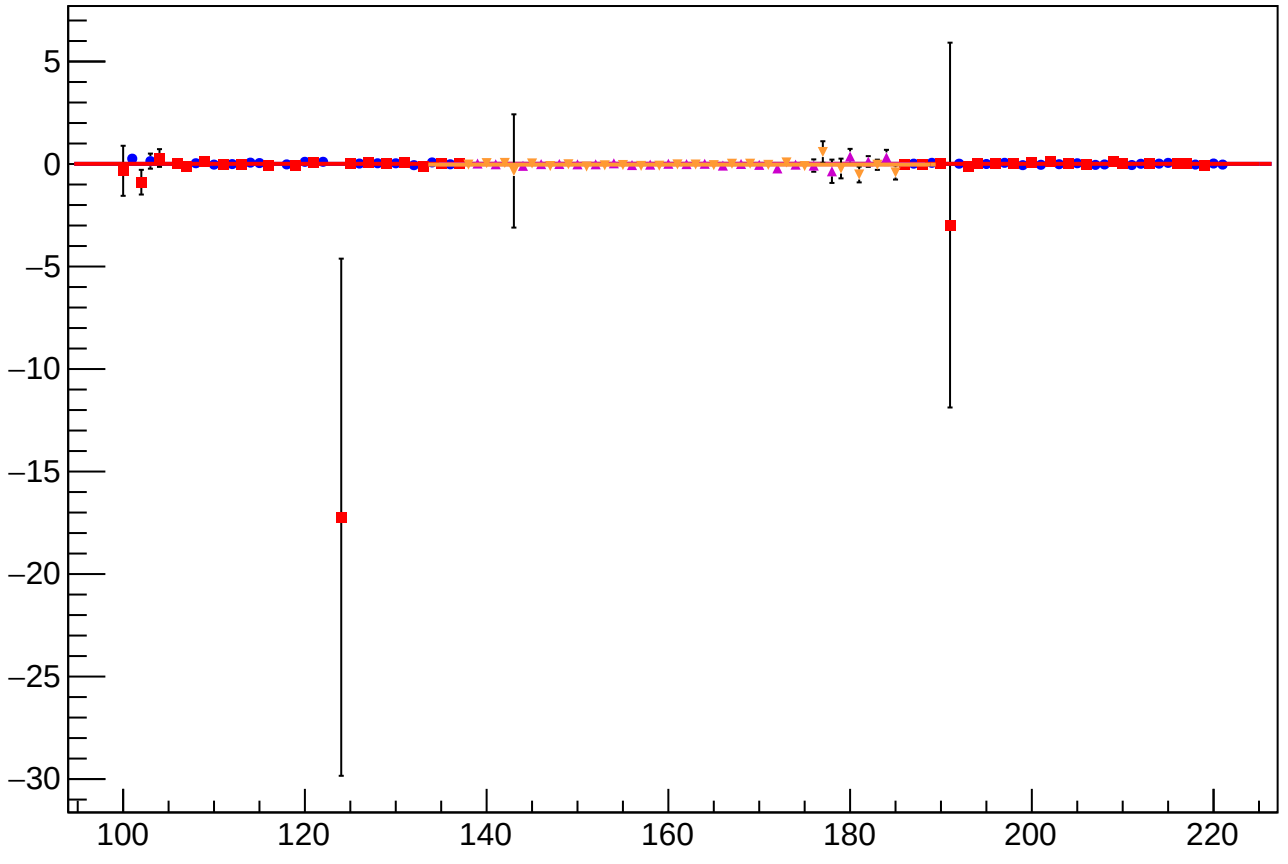
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

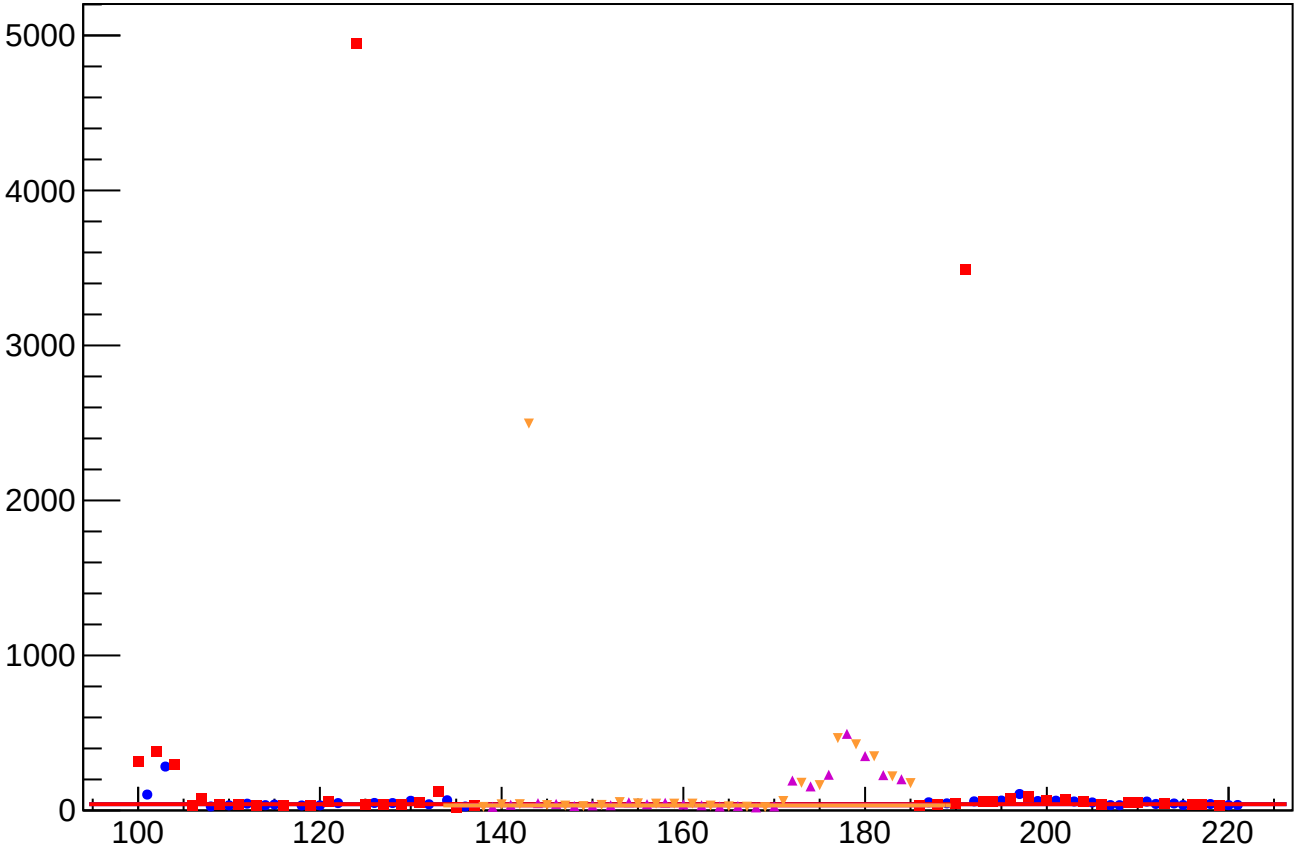
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

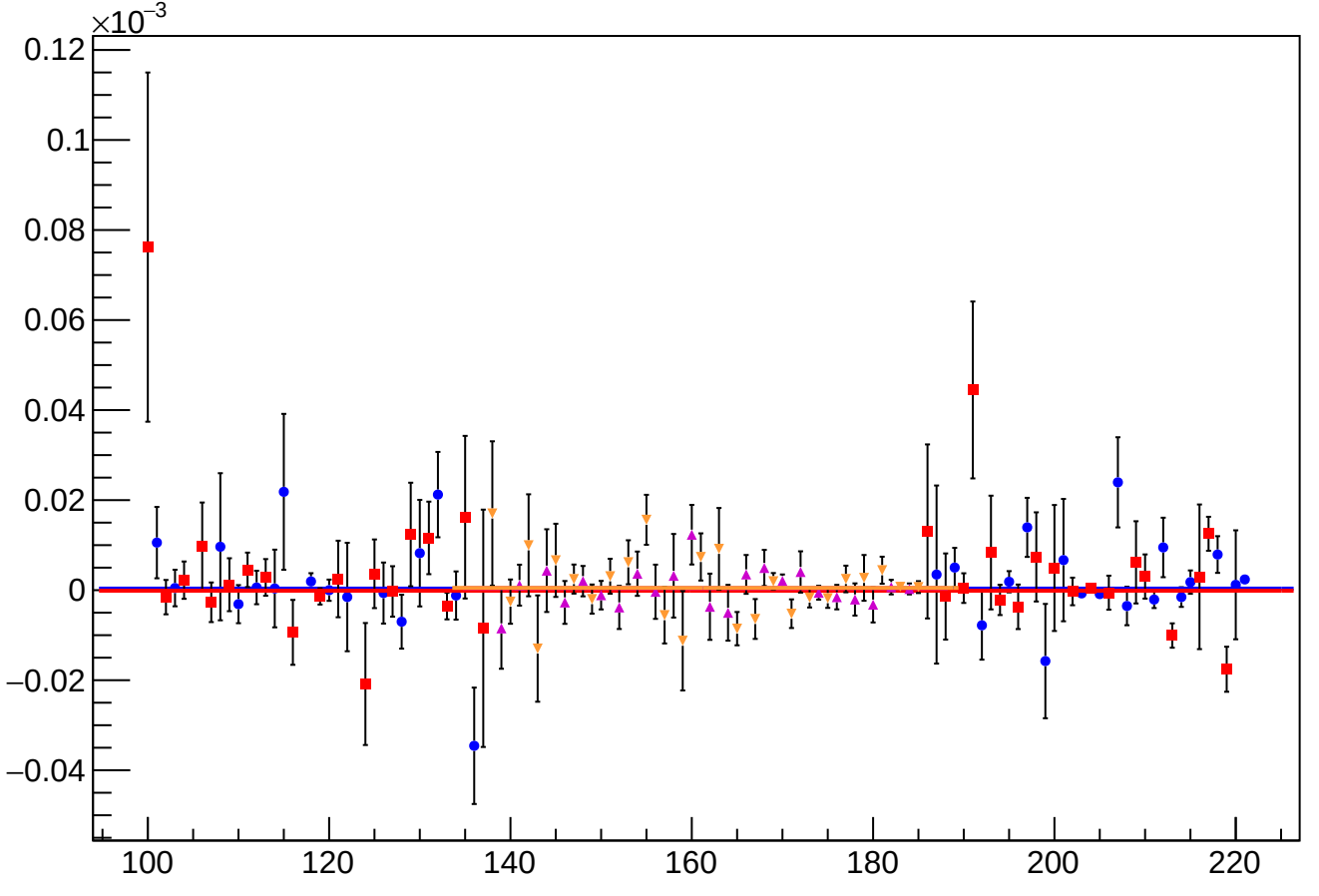
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 50.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

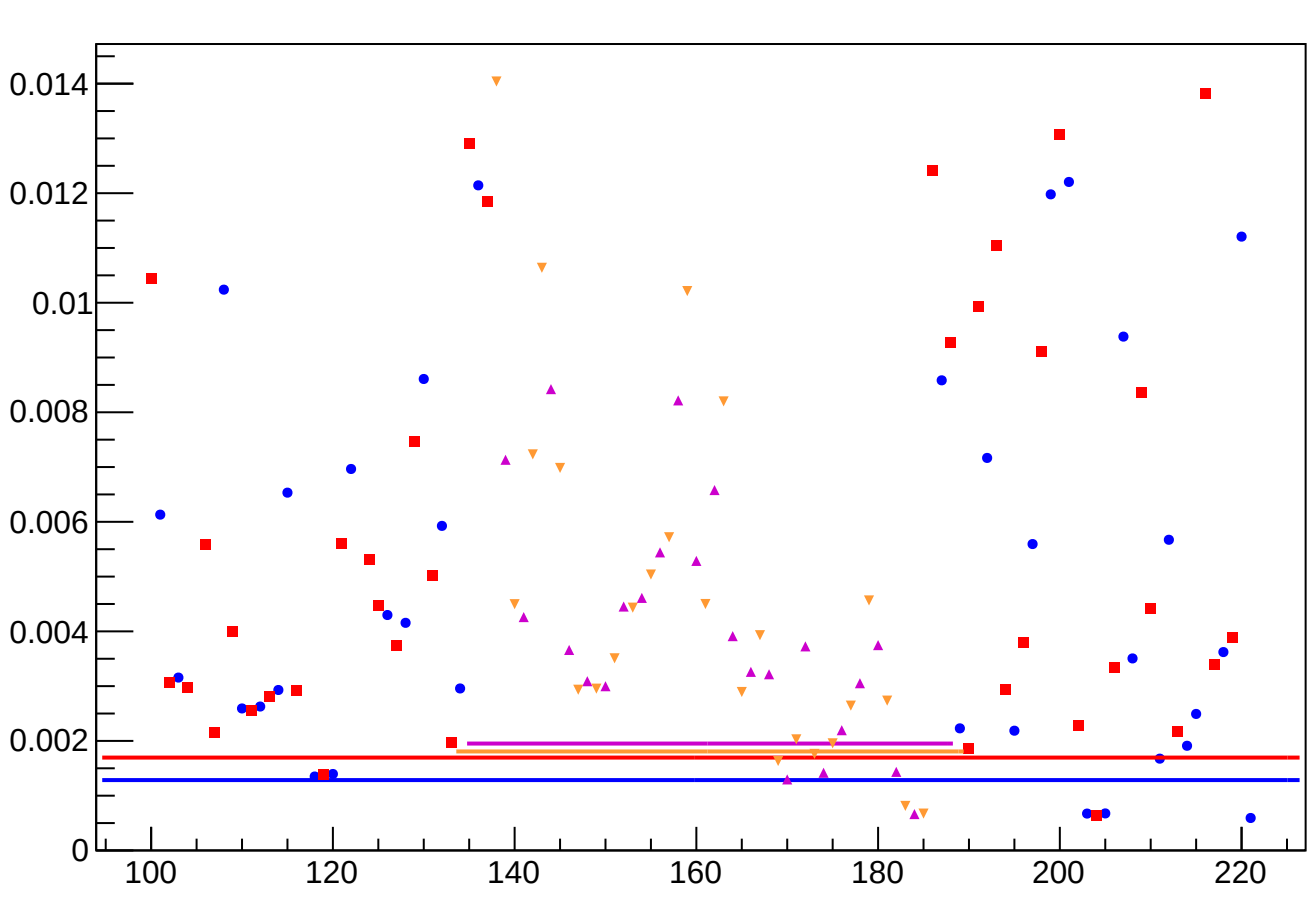
Right Out: -0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.3/58

All: 0.000+/-0.000 χ^2/NDF: 165.0/118

- sign 0.000+/-0.000 χ^2/NDF: 78.5/59



Right In: 0.001+/-0.000 χ^2/NDF: 20495427.4/33

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

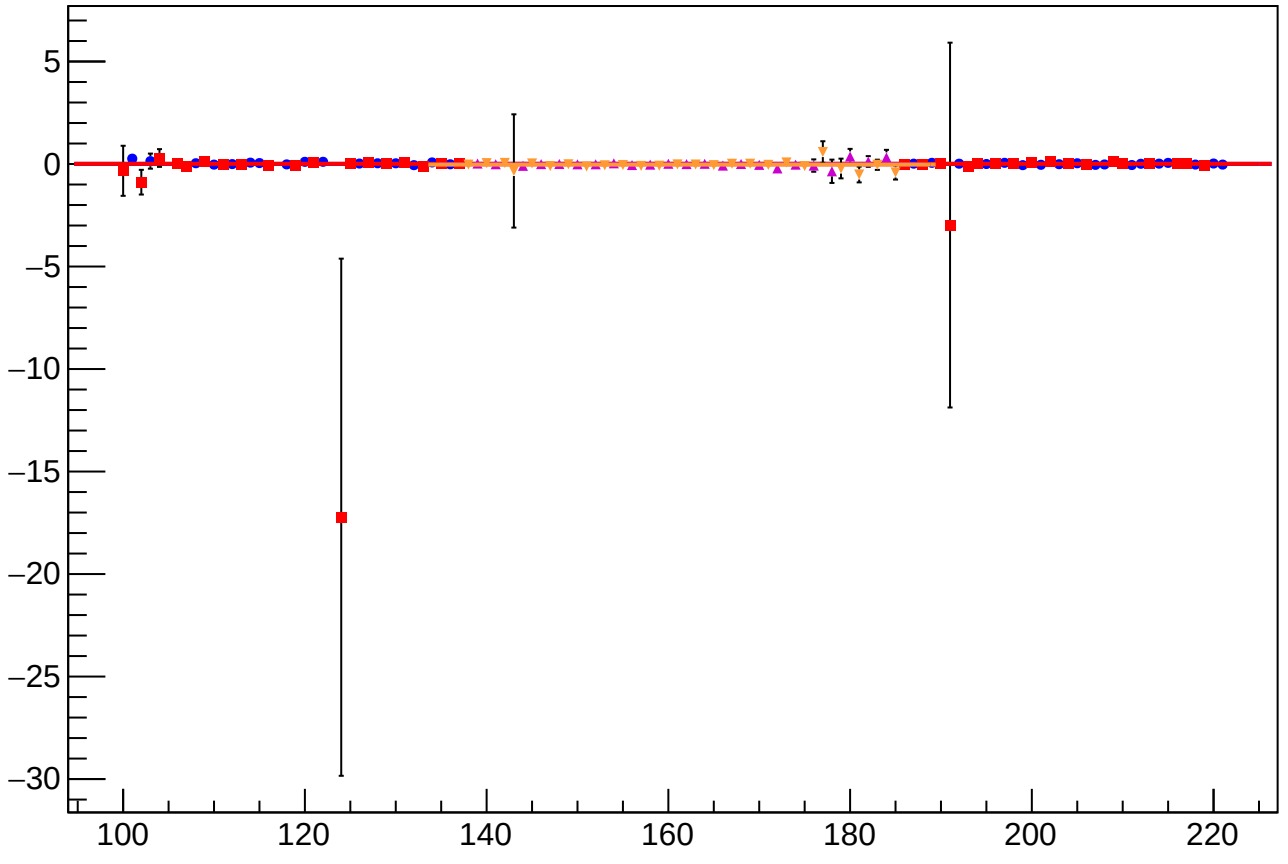
Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 36583490.2/58

All: 0.002+/-0.000 χ^2/NDF: 68334524.4/118

- sign 0.002+/-0.000 χ^2/NDF: 30927021.4/59



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

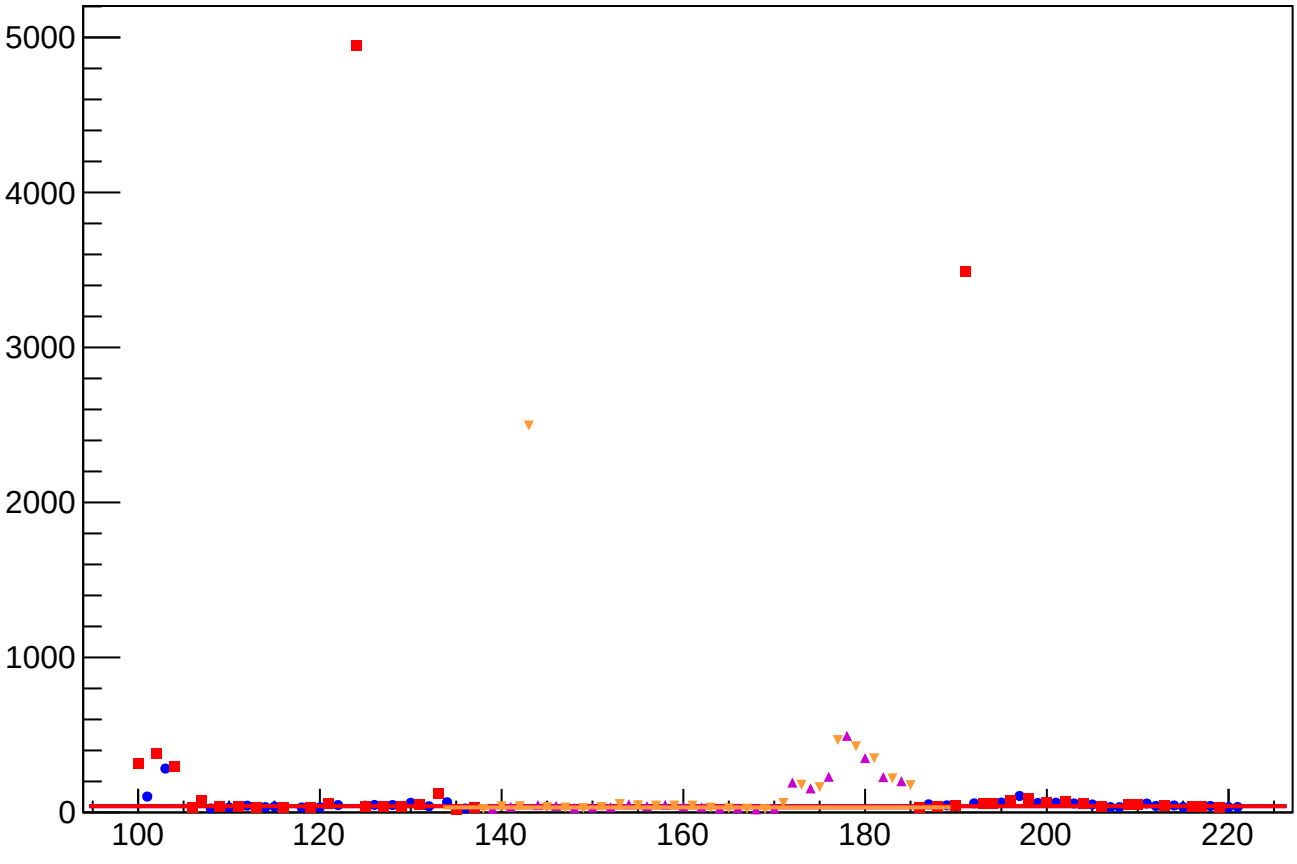
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

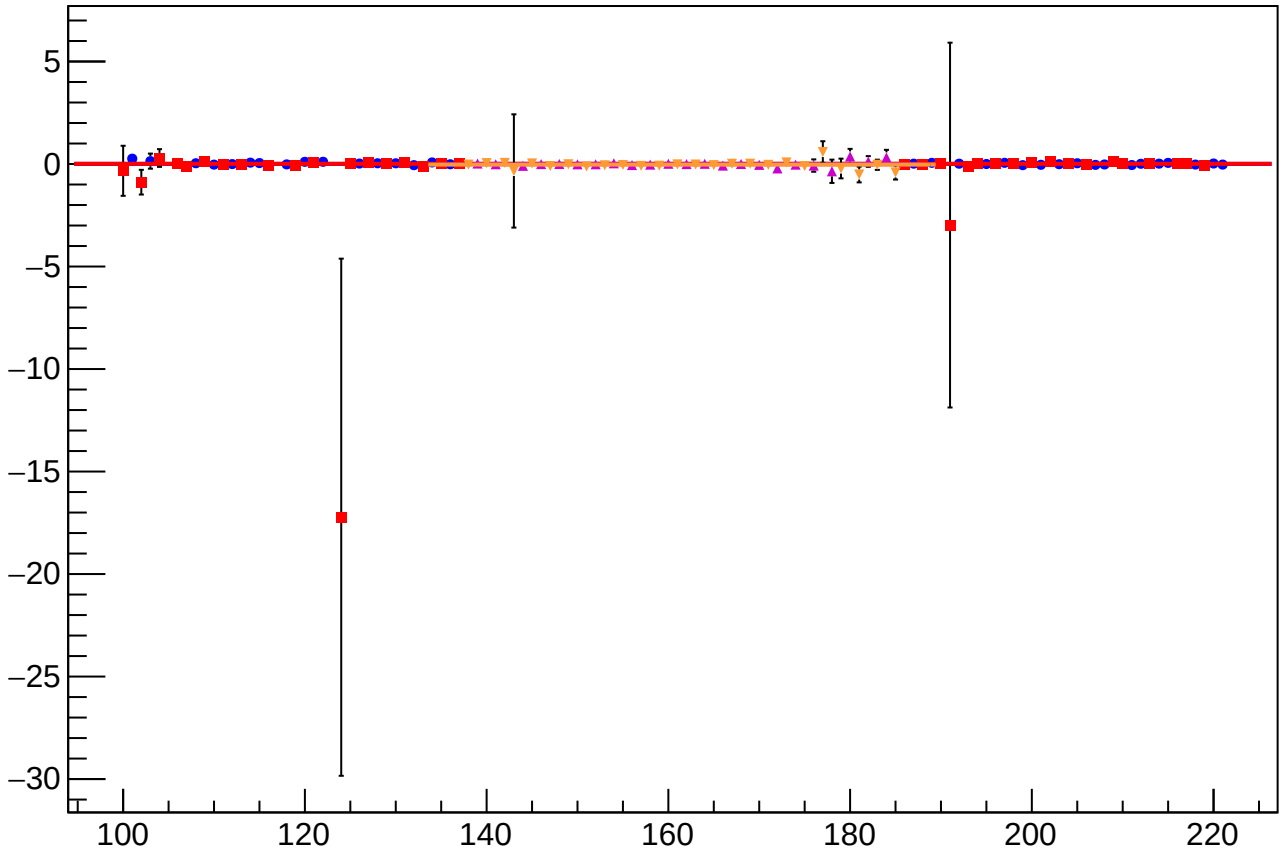
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

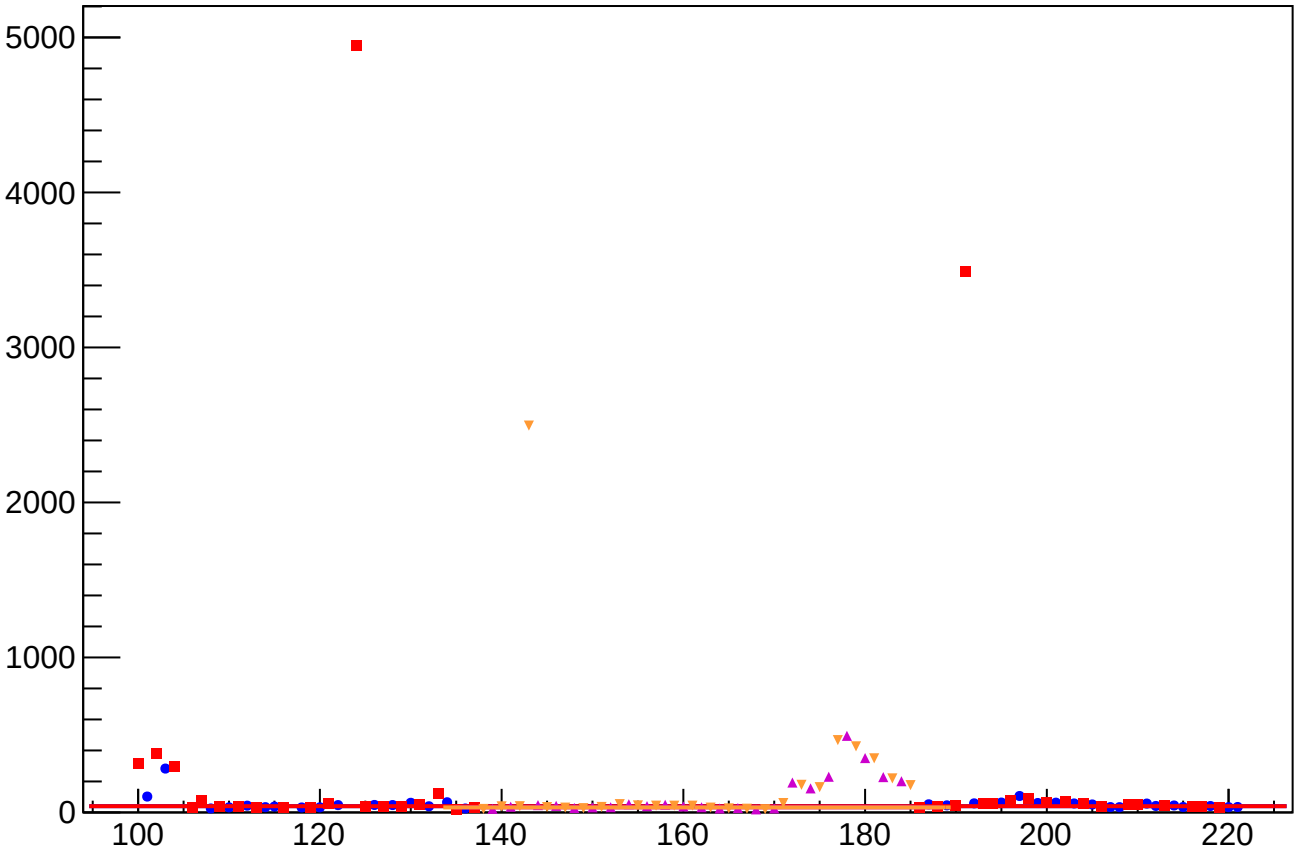
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

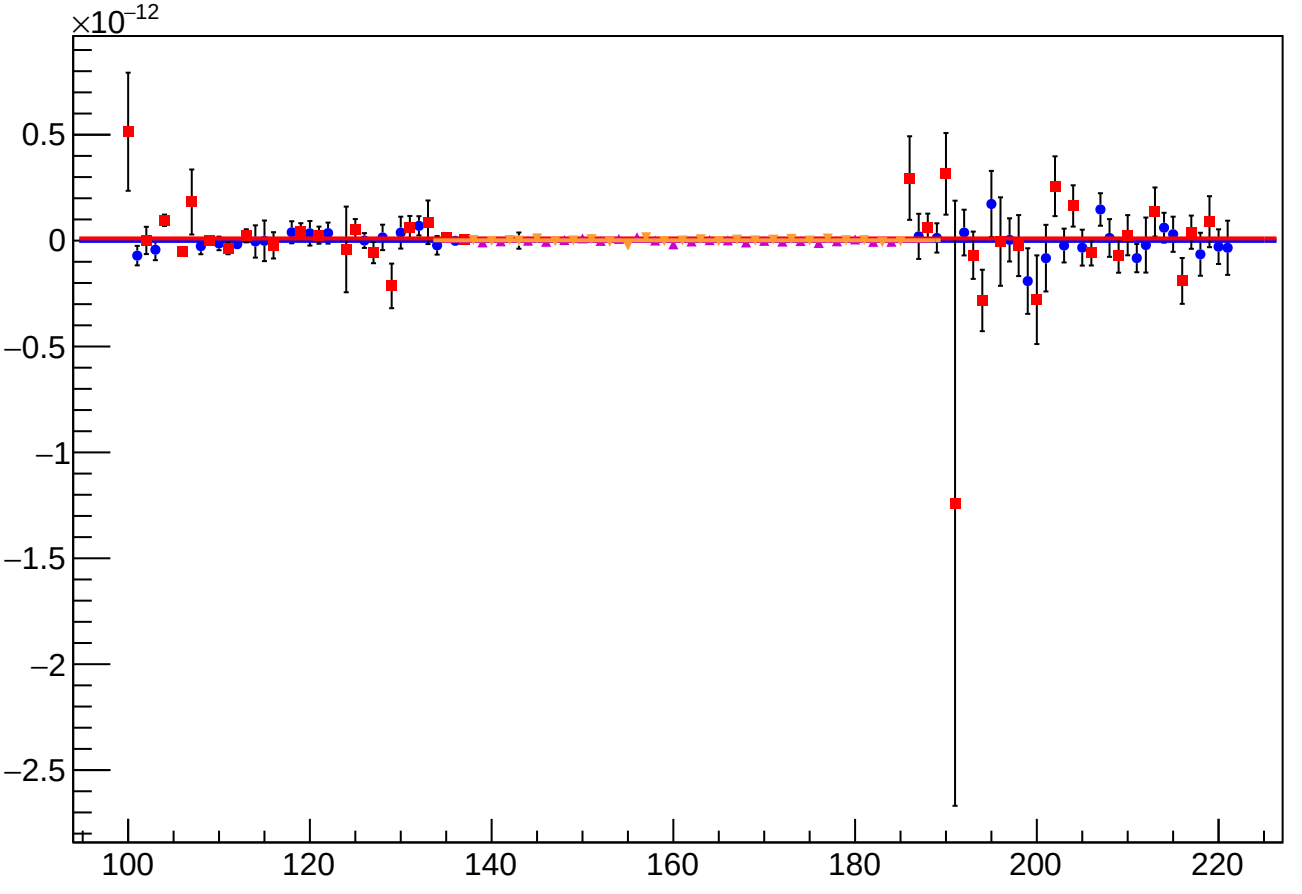
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

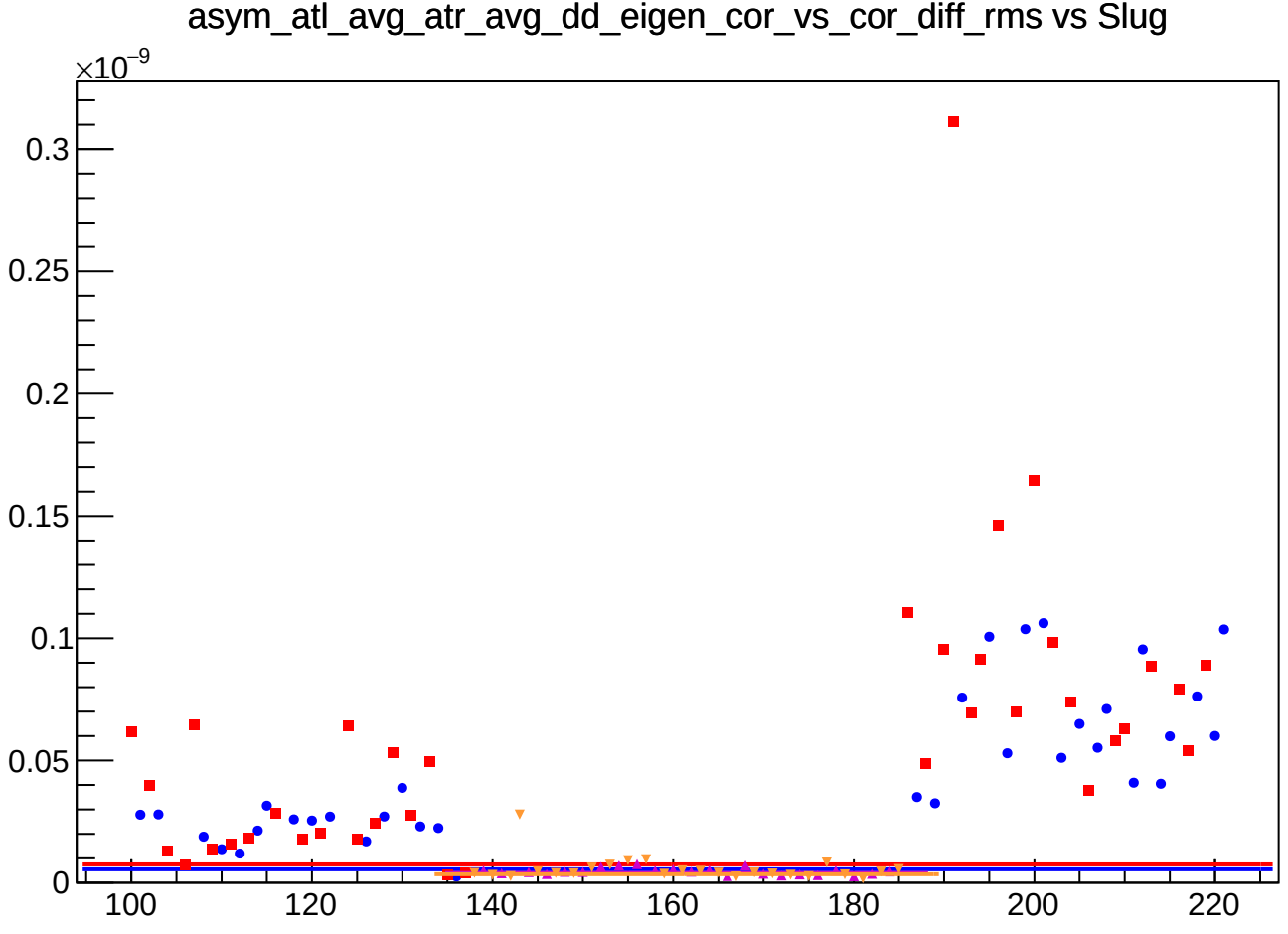
Right Out: 0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/58

All: 0.000+/-0.000 χ^2/NDF: 140.1/118

- sign -0.000+/-0.000 χ^2/NDF: 101.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 18940700.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

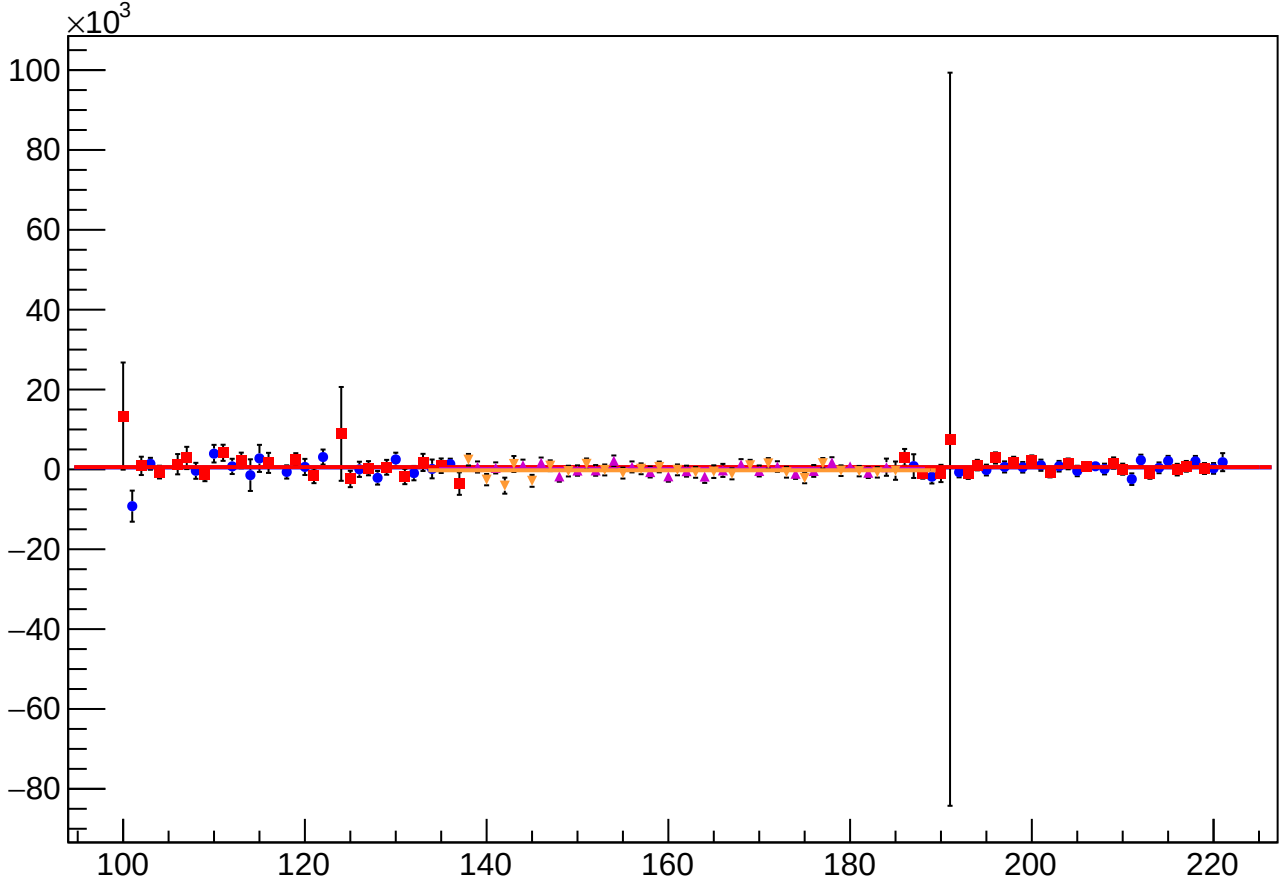
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24281145.0/58

All: 0.000+/-0.000 χ^2/NDF: 45918639.6/118

- sign 0.000+/-0.000 χ^2/NDF: 21362391.1/59

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 493.125+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.736+/-277.611 χ^2/NDF: 29.8/36

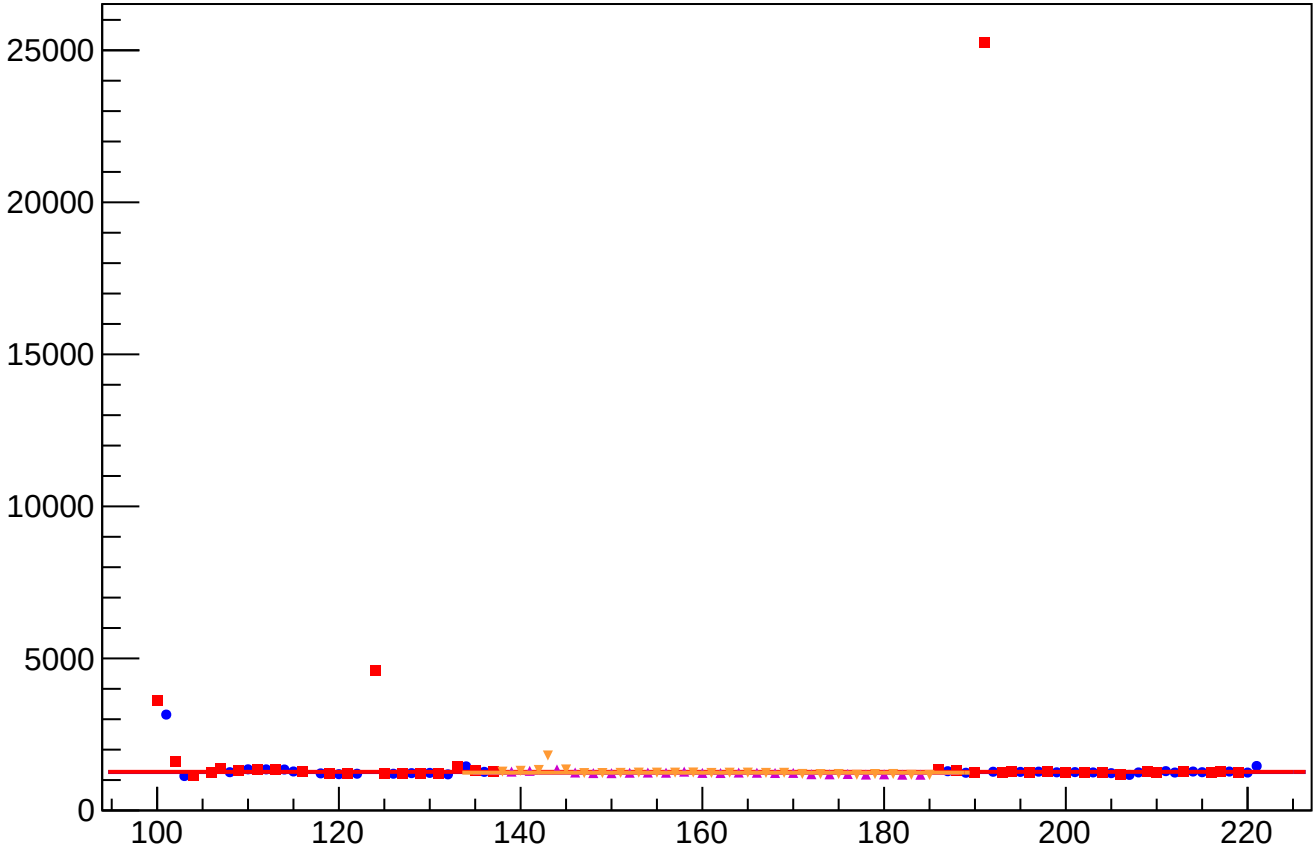
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 147.309+/-197.011 χ^2/NDF: 57.2/58

All: 244.026+/-140.334 χ^2/NDF: 103.6/118

- sign 343.644+/-199.945 χ^2/NDF: 46.0/59

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552039.5/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

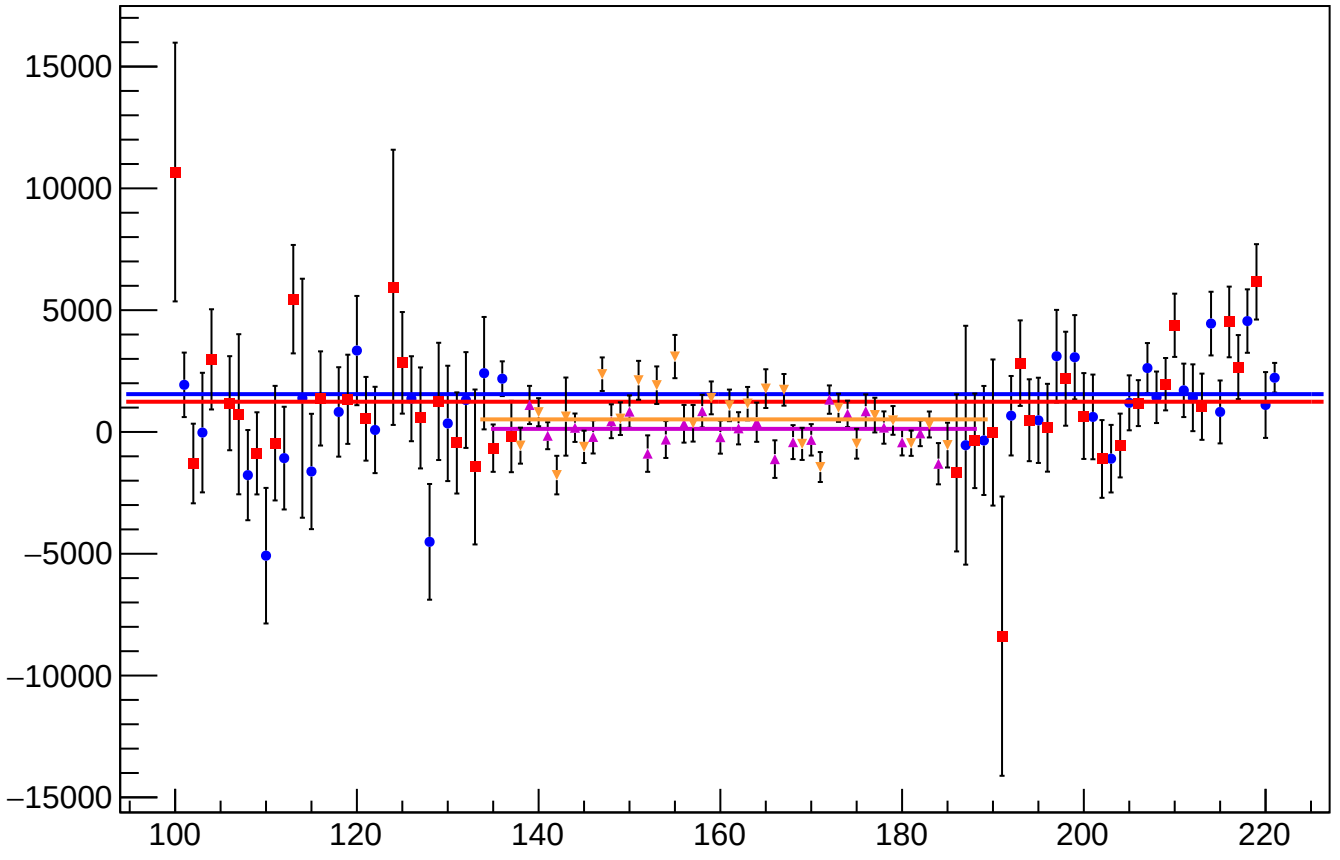
Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760653.1/58

All: 1252.818+/-0.099 χ^2/NDF: 1303562.9/11

- sign 1252.320+/-0.141 χ^2/NDF: 542885.2/59



Right In: 1552.414+/-243.046 χ^2/NDF: 42.0/33

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 1240.765+/-279.291 χ^2/NDF: 52.7/36

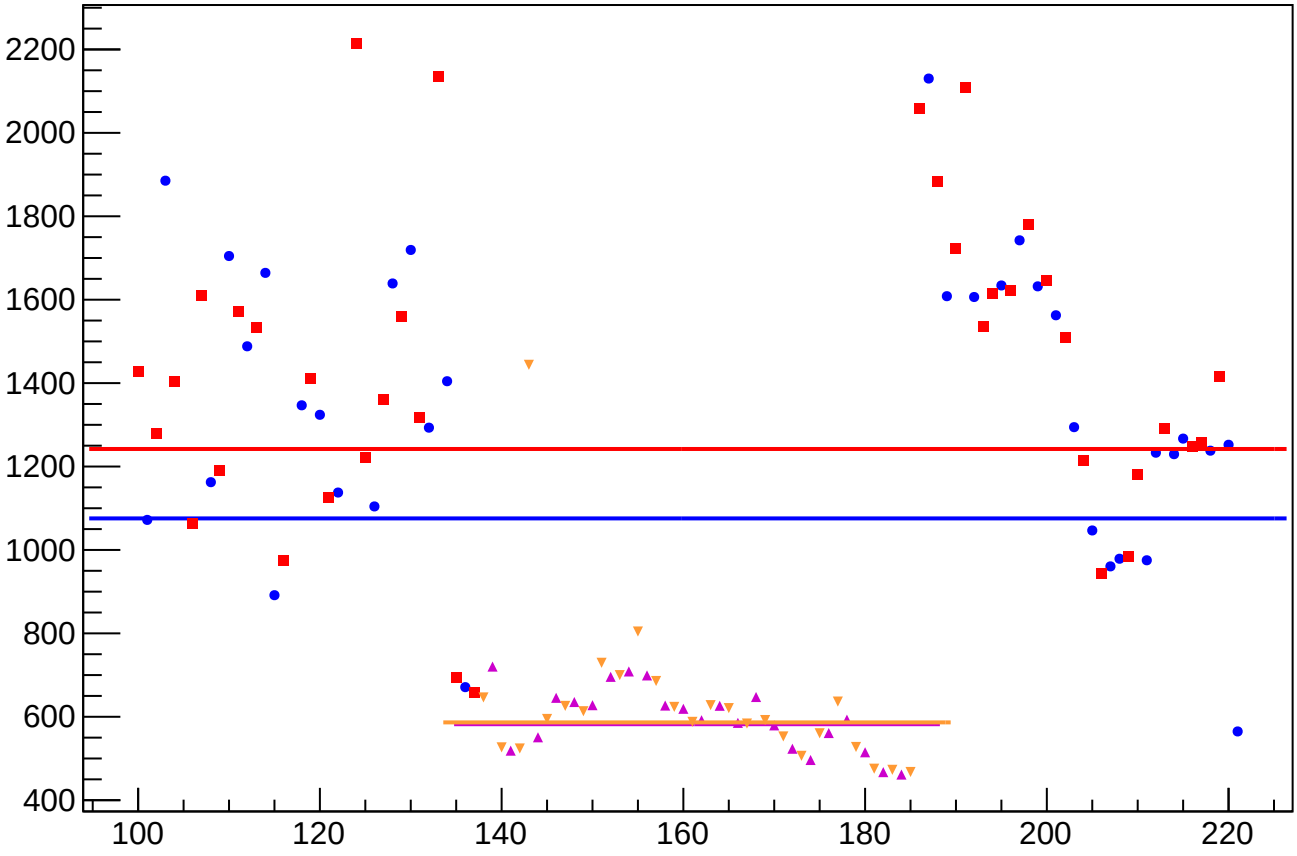
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 763.034+/-118.514 χ^2/NDF: 122.9/58

All: 561.308+/-85.408 χ^2/NDF: 216.0/118

- sign 343.345+/-123.192 χ^2/NDF: 87.0/59

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1075.621+/-0.172 χ^2/NDF: 4392031.9/33

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

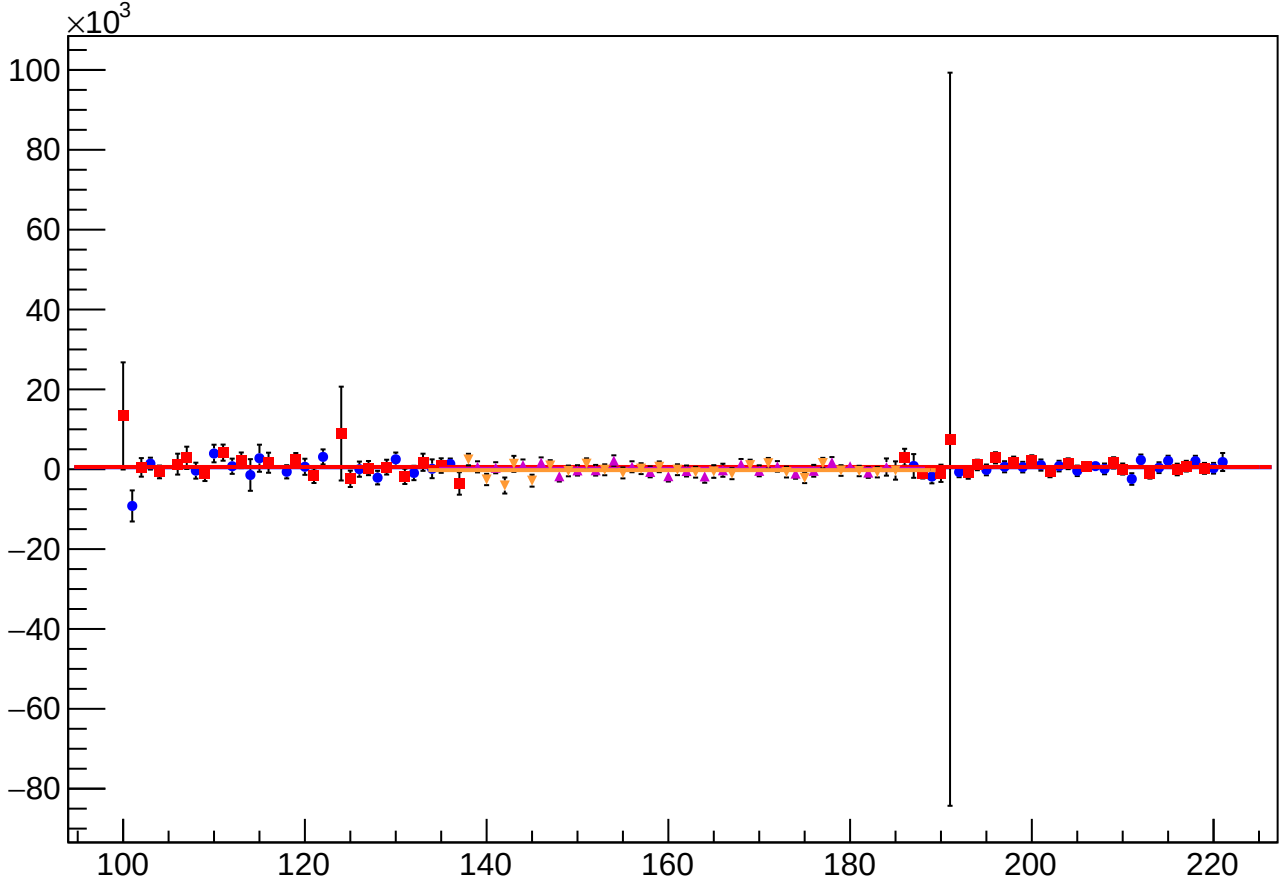
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 702.843+/-0.084 χ^2/NDF: 11767522.8/58

All: 706.561+/-0.060 χ^2/NDF: 24088417.7/11

- sign 710.577+/-0.087 χ^2/NDF: 12316800.4/59

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

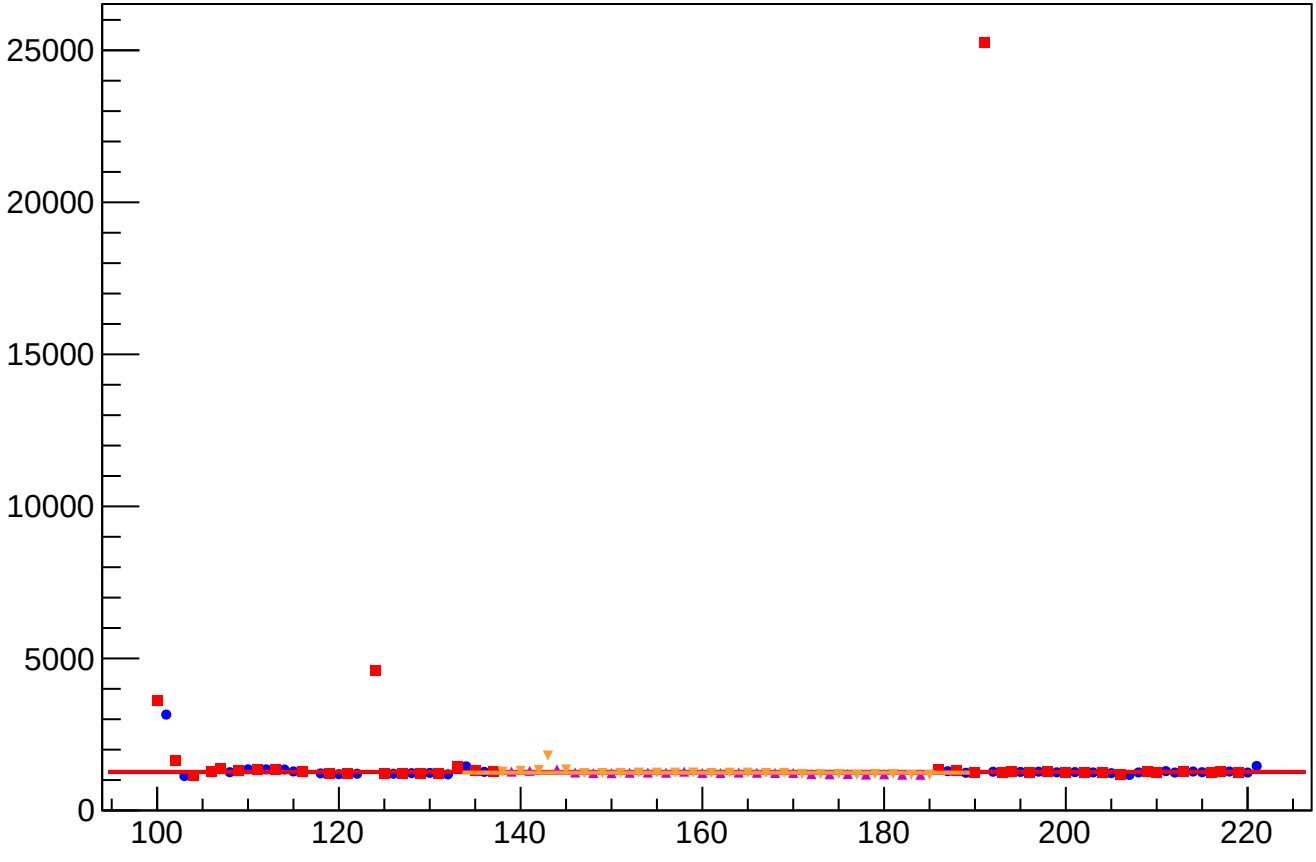
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.256+/-140.354 χ^2/NDF: 103.5/118

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

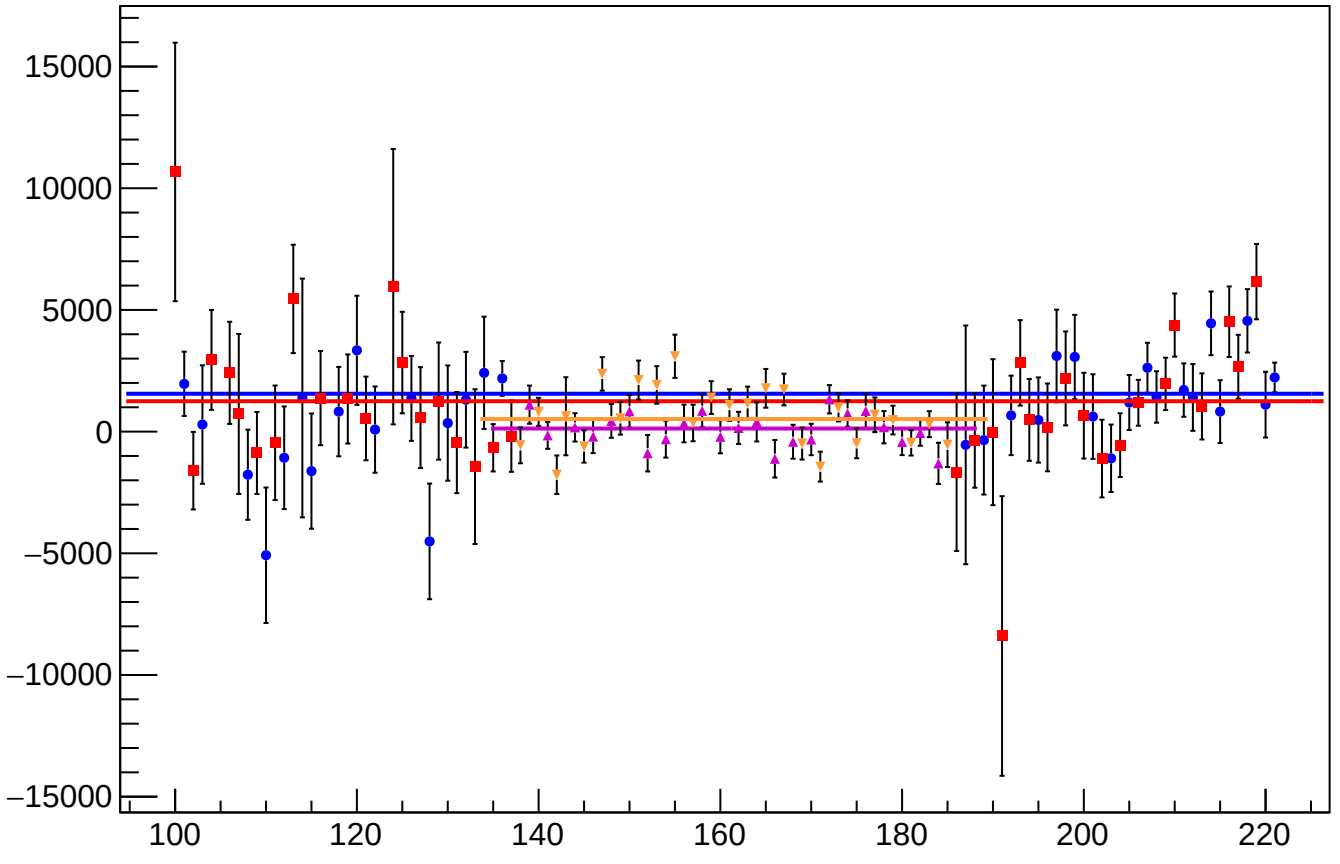
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

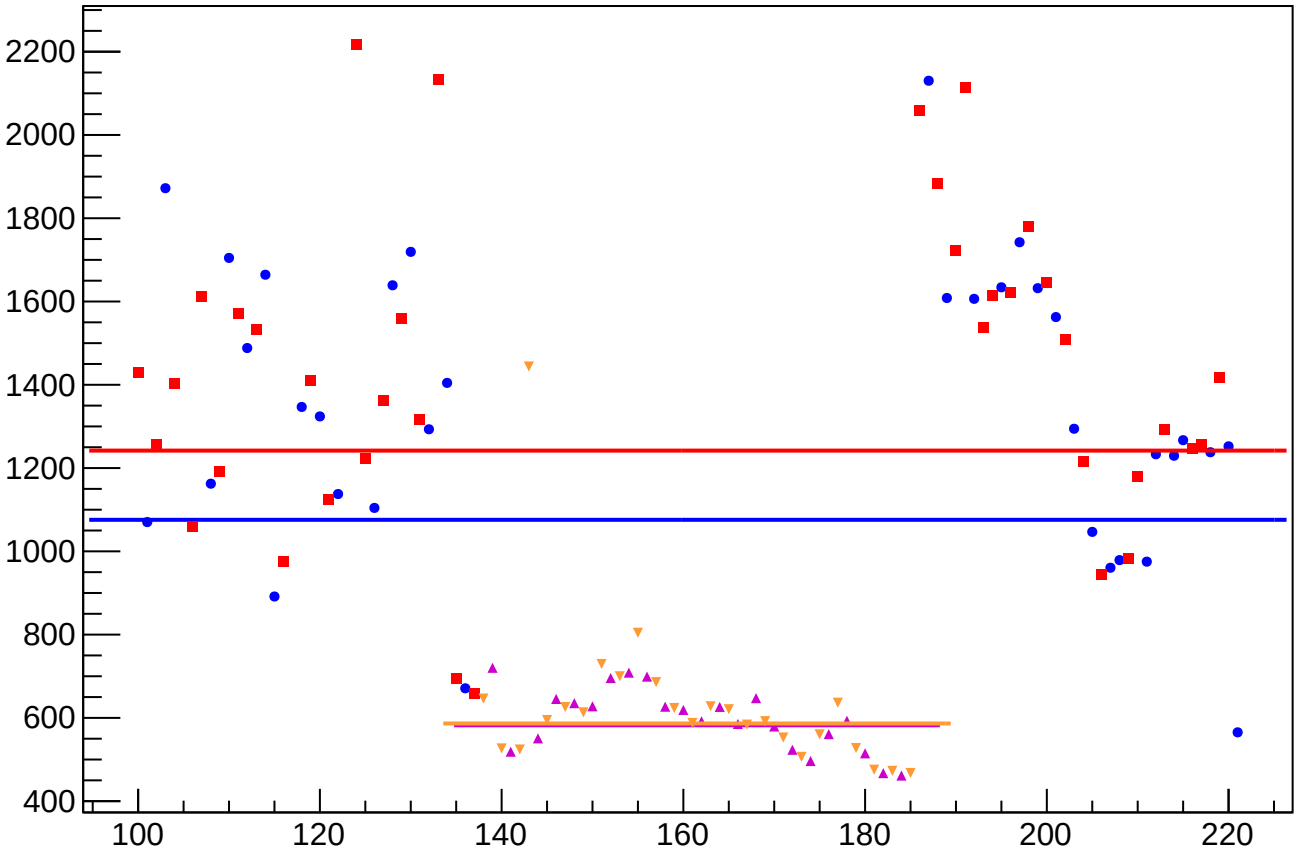
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 562.431+/-85.414 χ^2/NDF: 217.2/118

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

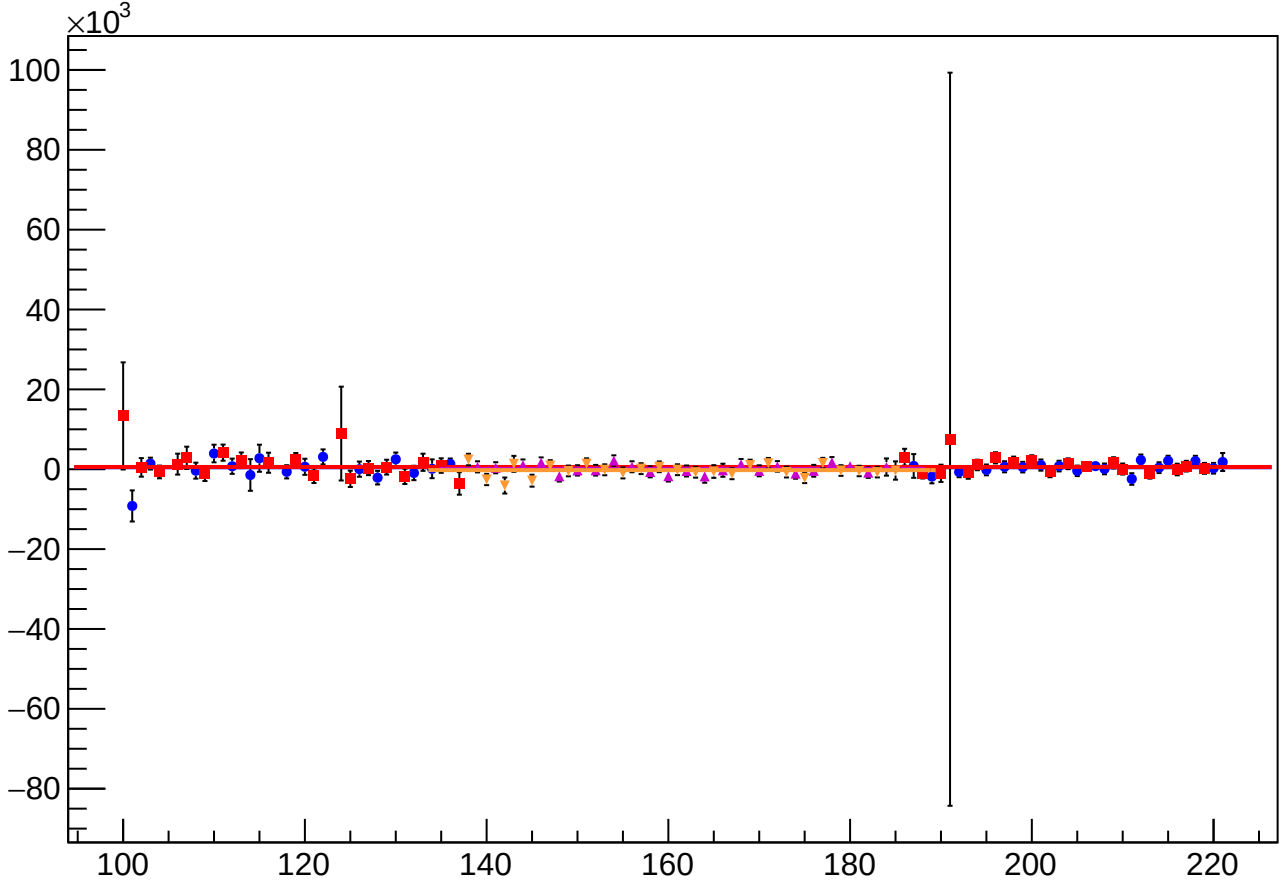
Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

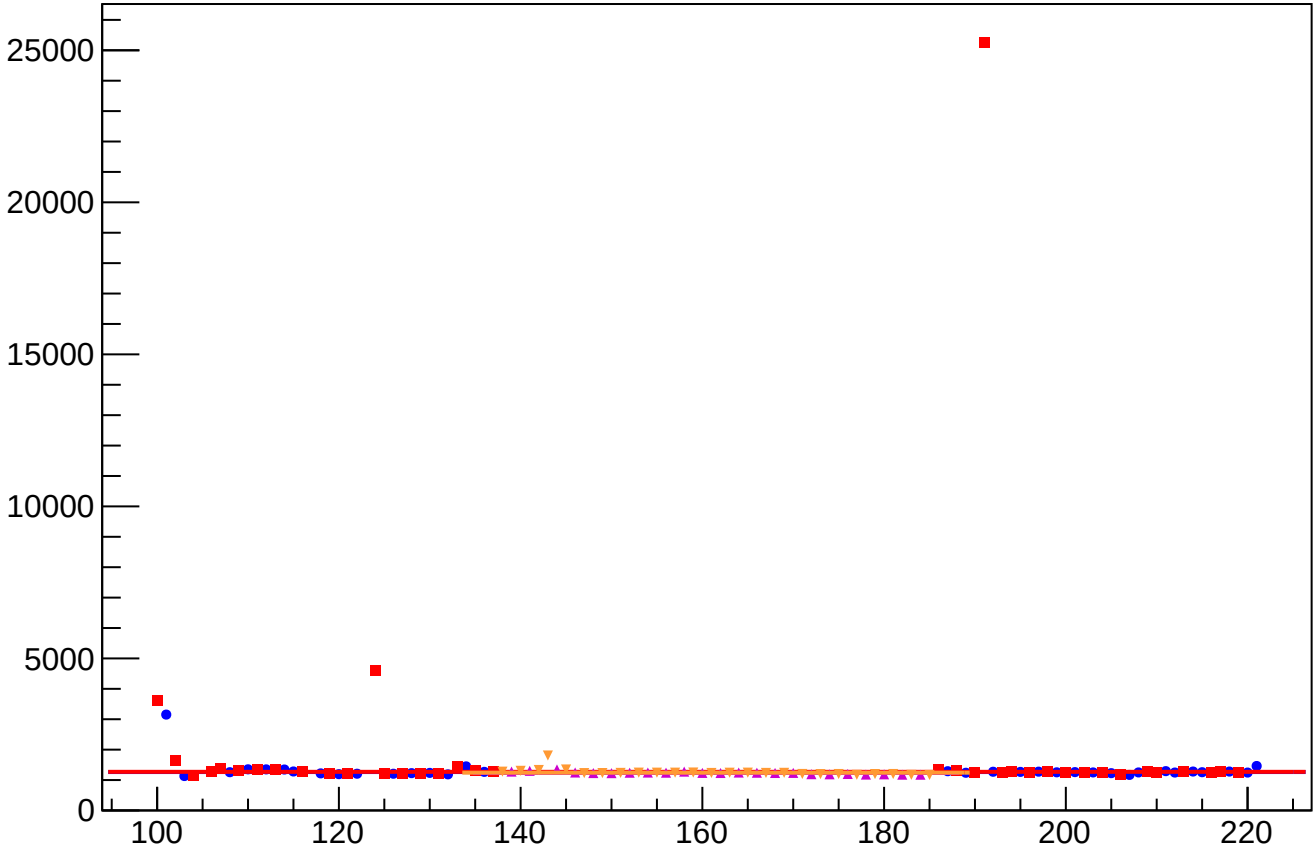
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.256+/-140.354 χ^2/NDF: 103.5/118

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

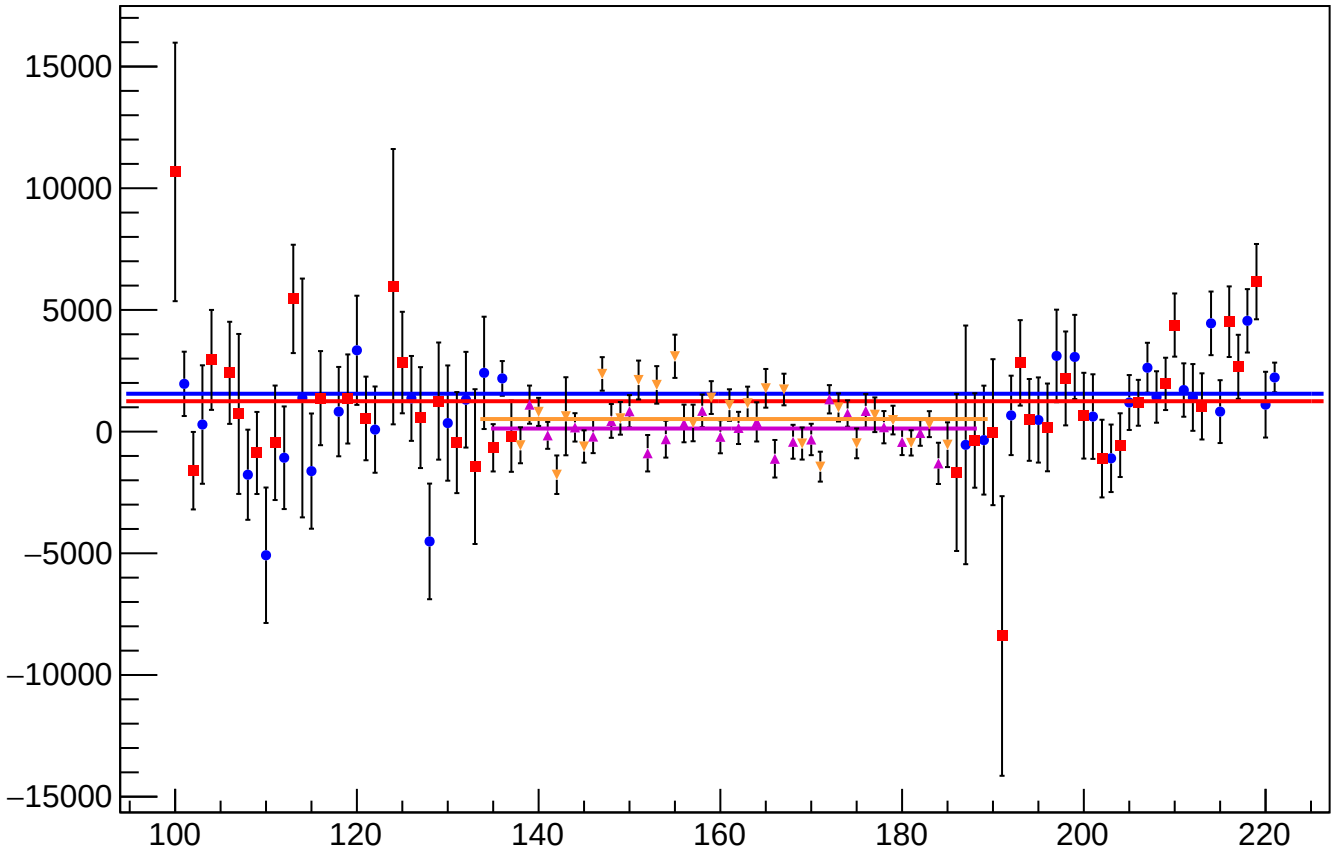
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

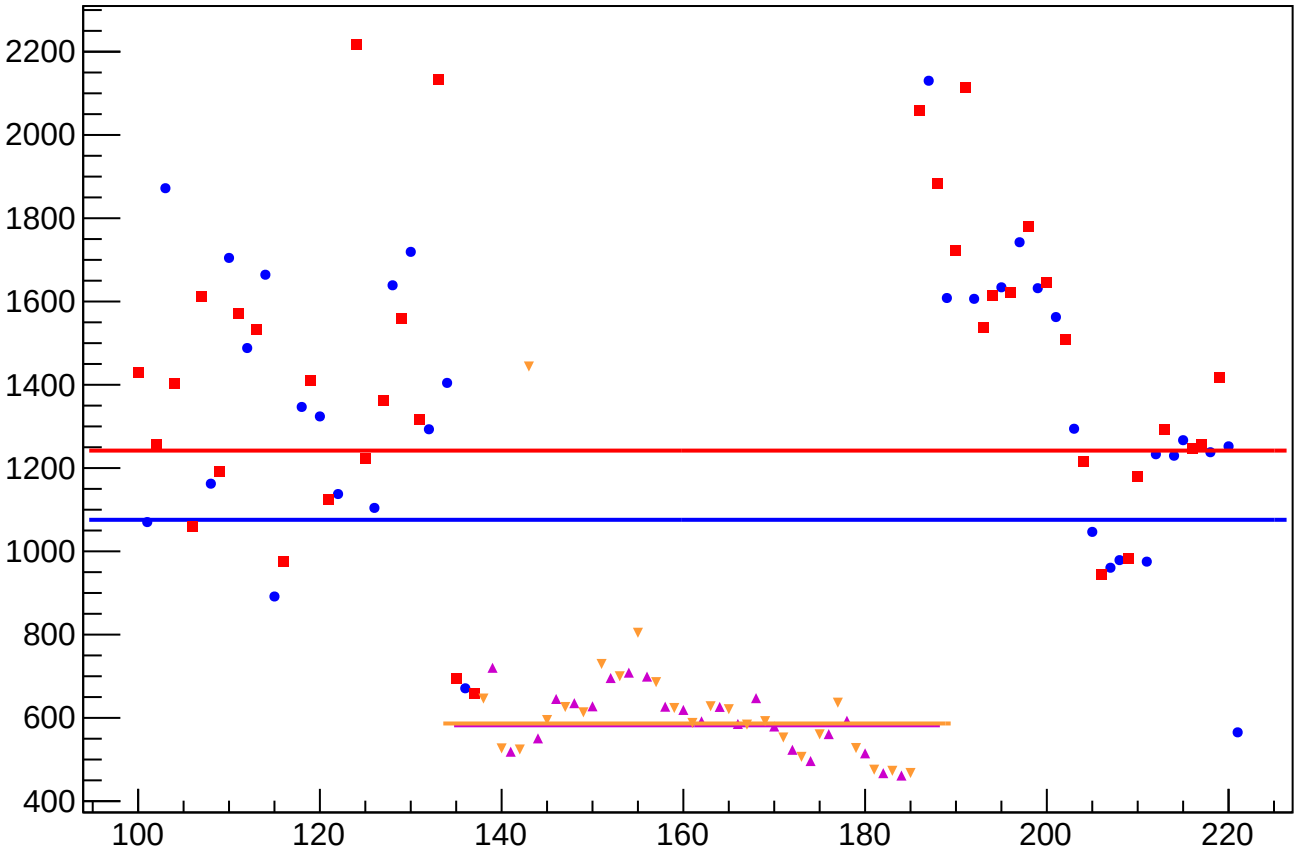
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 562.431+/-85.414 χ^2/NDF: 217.2/118

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

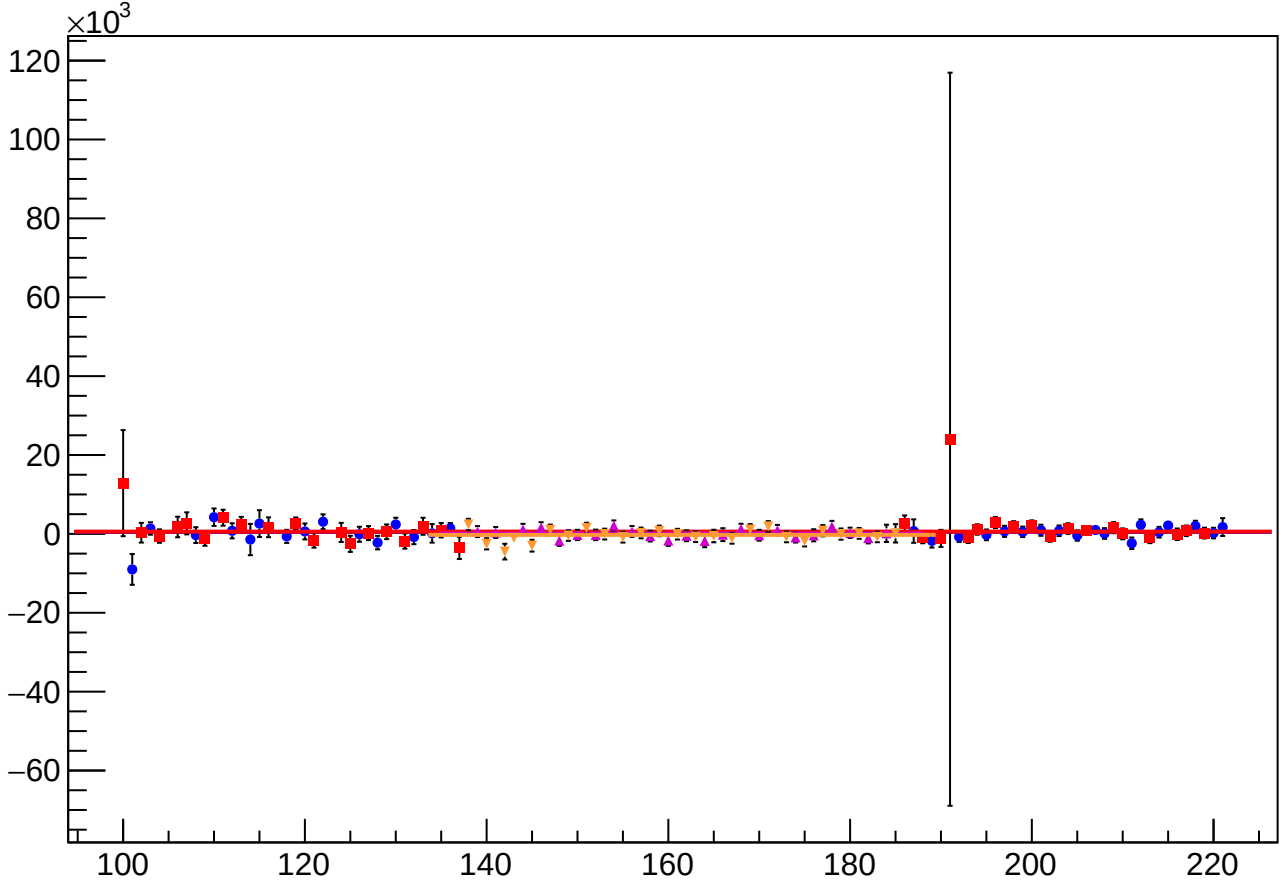
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 496.950+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.132+/-277.217 χ^2/NDF: 29.3/36

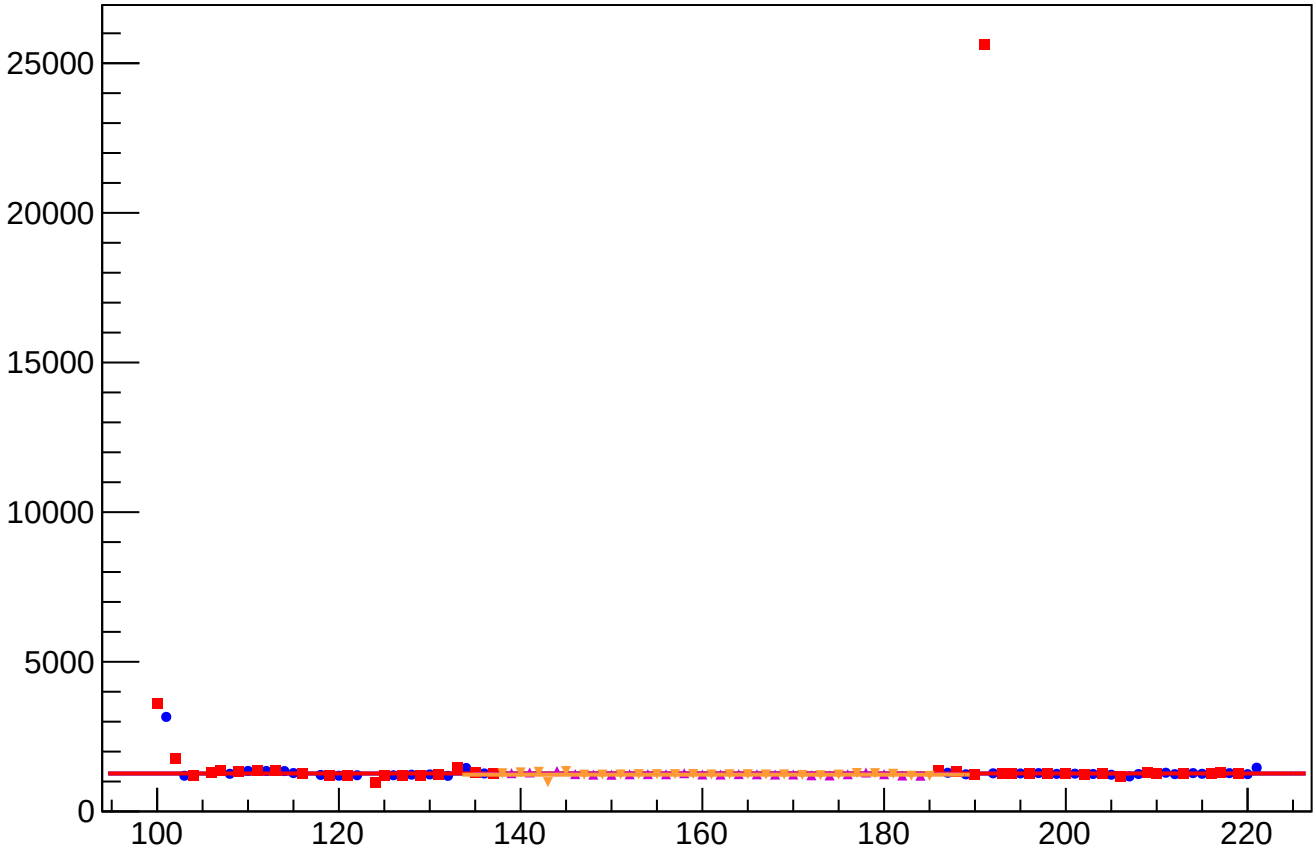
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.518+/-196.216 χ^2/NDF: 57.5/58

All: 229.035+/-140.361 χ^2/NDF: 102.8/118

- sign 333.326+/-200.868 χ^2/NDF: 44.8/59

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541355.9/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

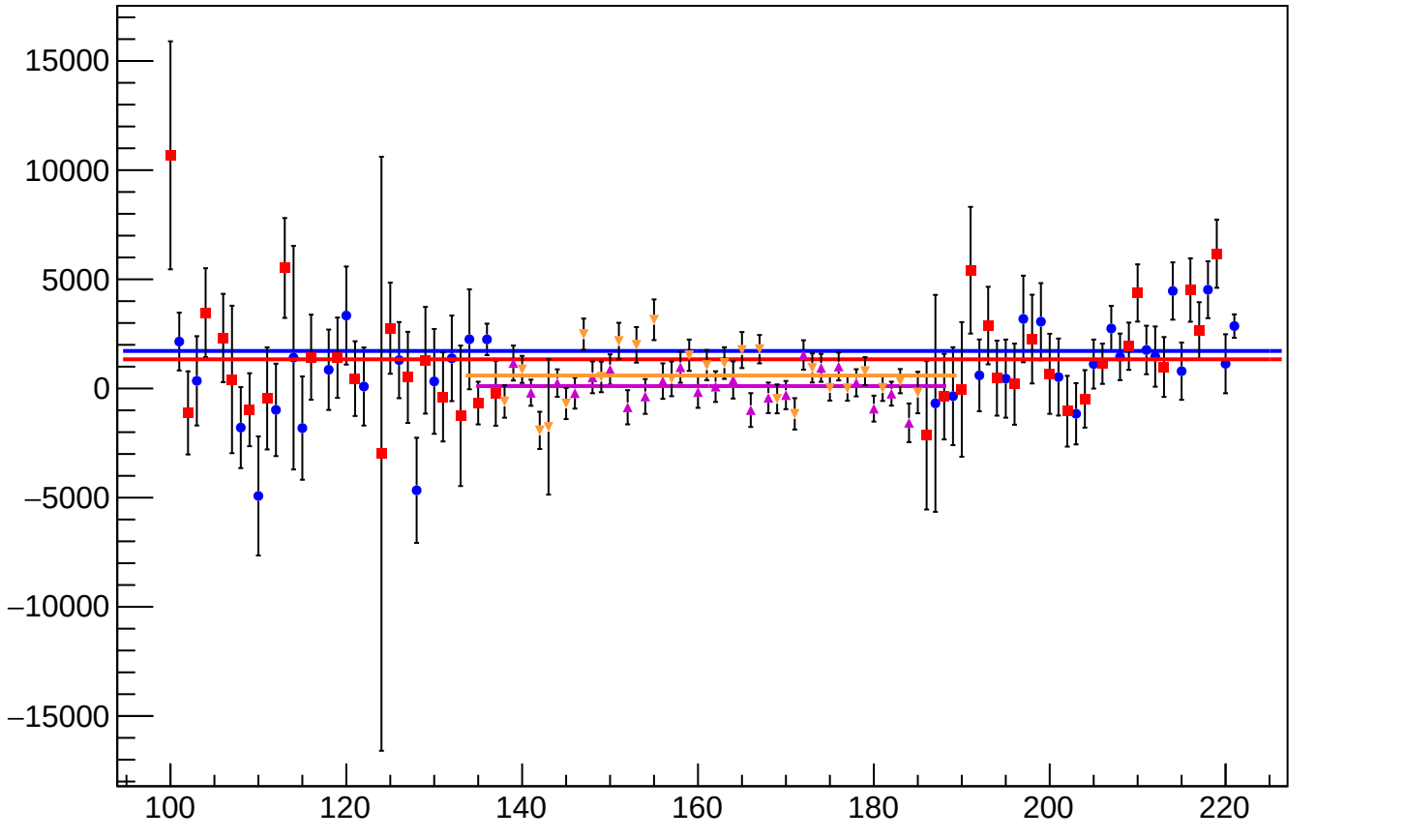
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700472.5/58

All: 1253.707+/-0.099 χ^2/NDF: 1122129.5/11

- sign 1258.991+/-0.142 χ^2/NDF: 418953.0/59



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 1336.522+/-281.612 χ^2/NDF: 50.7/36

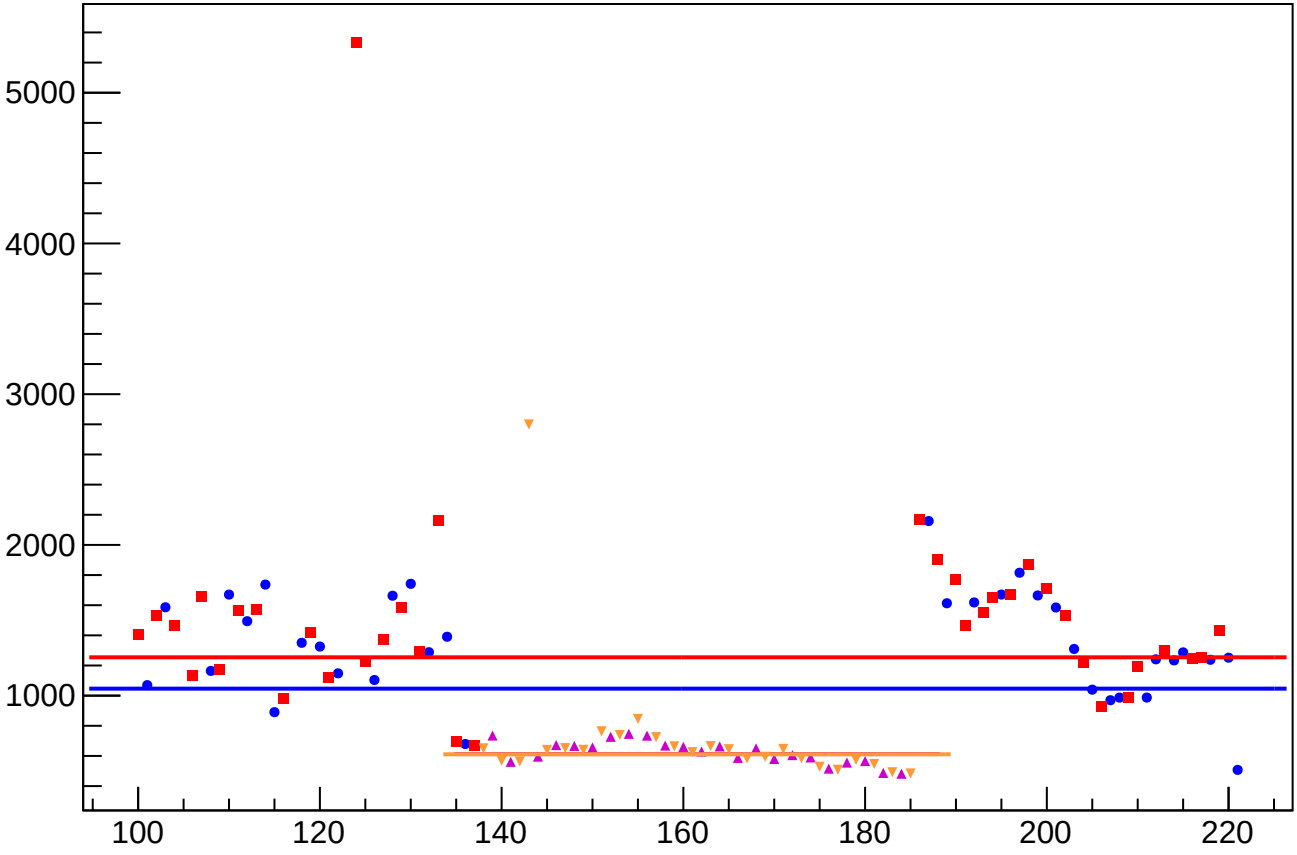
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 640.311+/-88.476 χ^2/NDF: 220.8/118

- sign 365.077+/-128.374 χ^2/NDF: 91.4/59

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1046.482+/-0.169 χ^2/NDF: 5164898.1/33

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

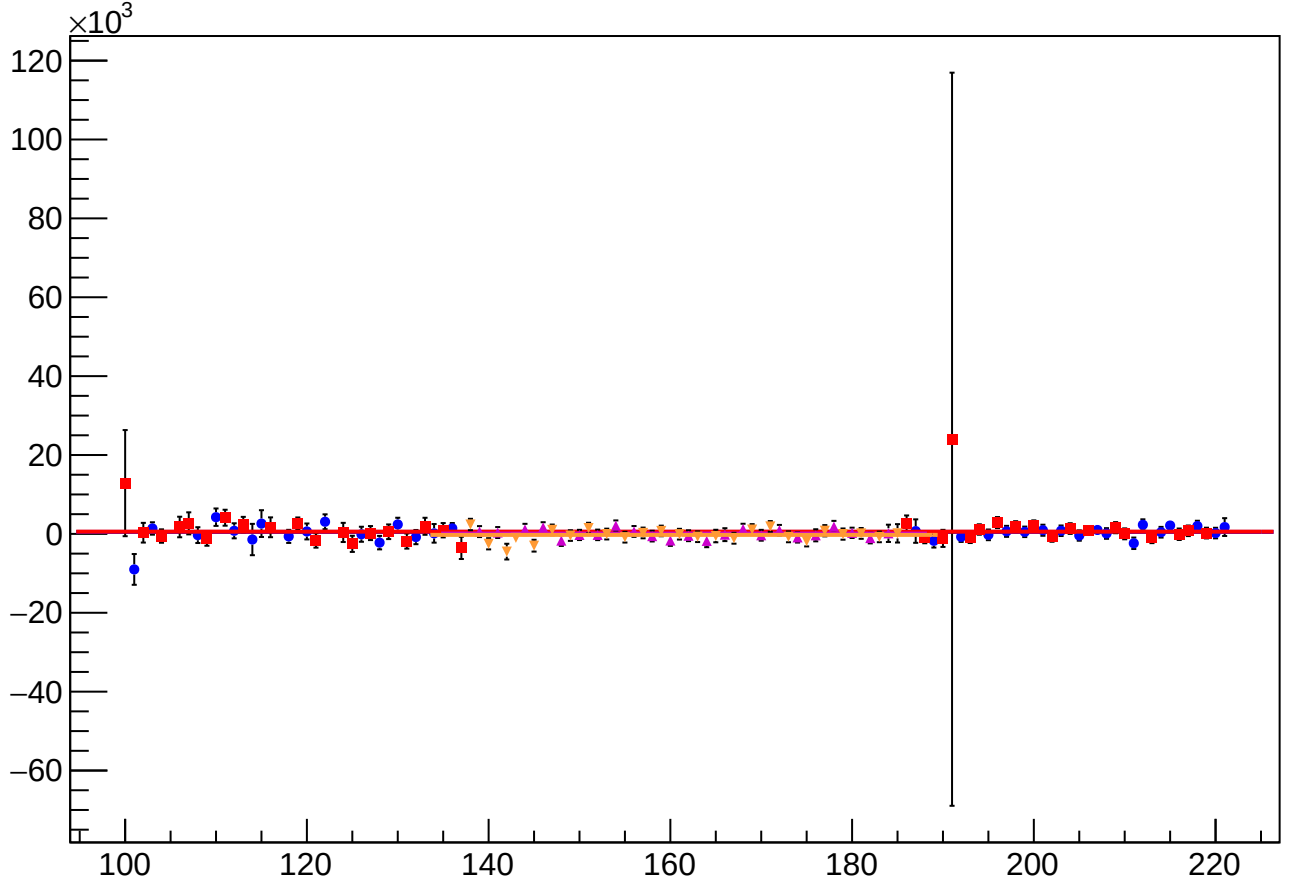
Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 725.119+/-0.086 χ^2/NDF: 11699702.5/58

All: 734.942+/-0.063 χ^2/NDF: 23525468.5/11

- sign 745.800+/-0.091 χ^2/NDF: 11798514.6/59



Right In: 496.945+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.130+/-277.217 χ^2/NDF: 29.3/36

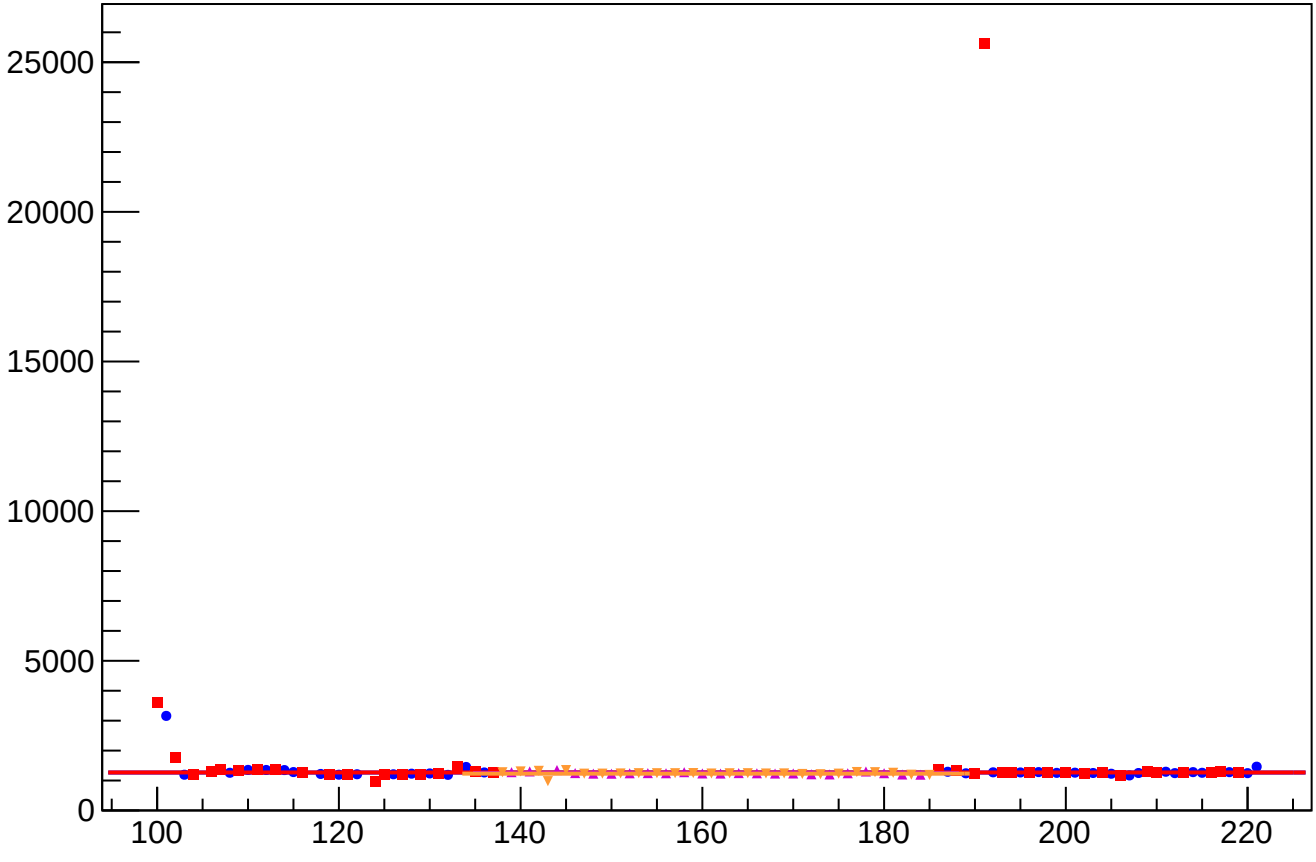
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.515+/-196.216 χ^2/NDF: 57.5/58

All: 229.032+/-140.361 χ^2/NDF: 102.8/118

- sign 333.325+/-200.868 χ^2/NDF: 44.8/59

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541356.0/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

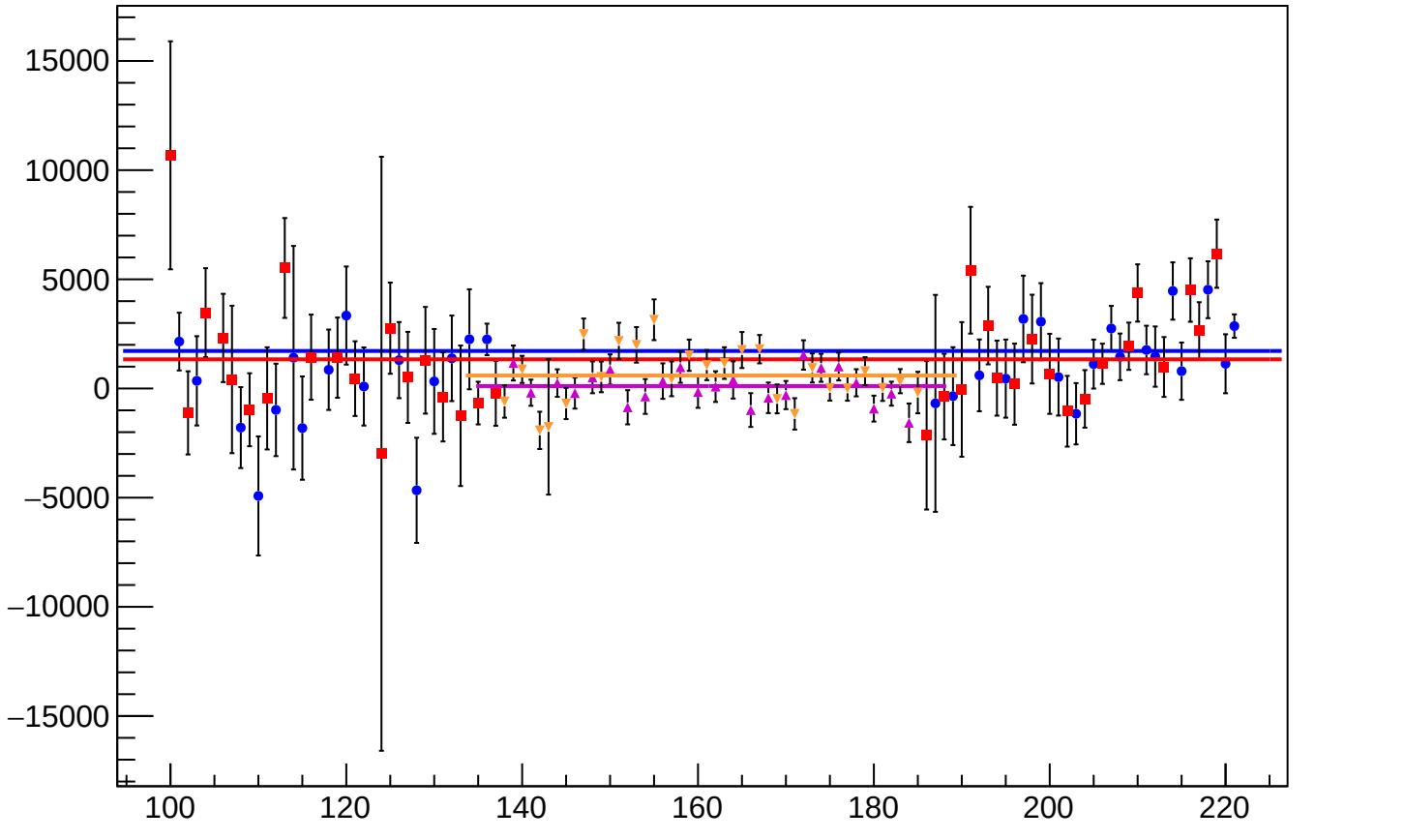
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700471.7/58

All: 1253.707+/-0.099 χ^2/NDF: 1122128.5/11

- sign 1258.990+/-0.142 χ^2/NDF: 418952.8/59



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

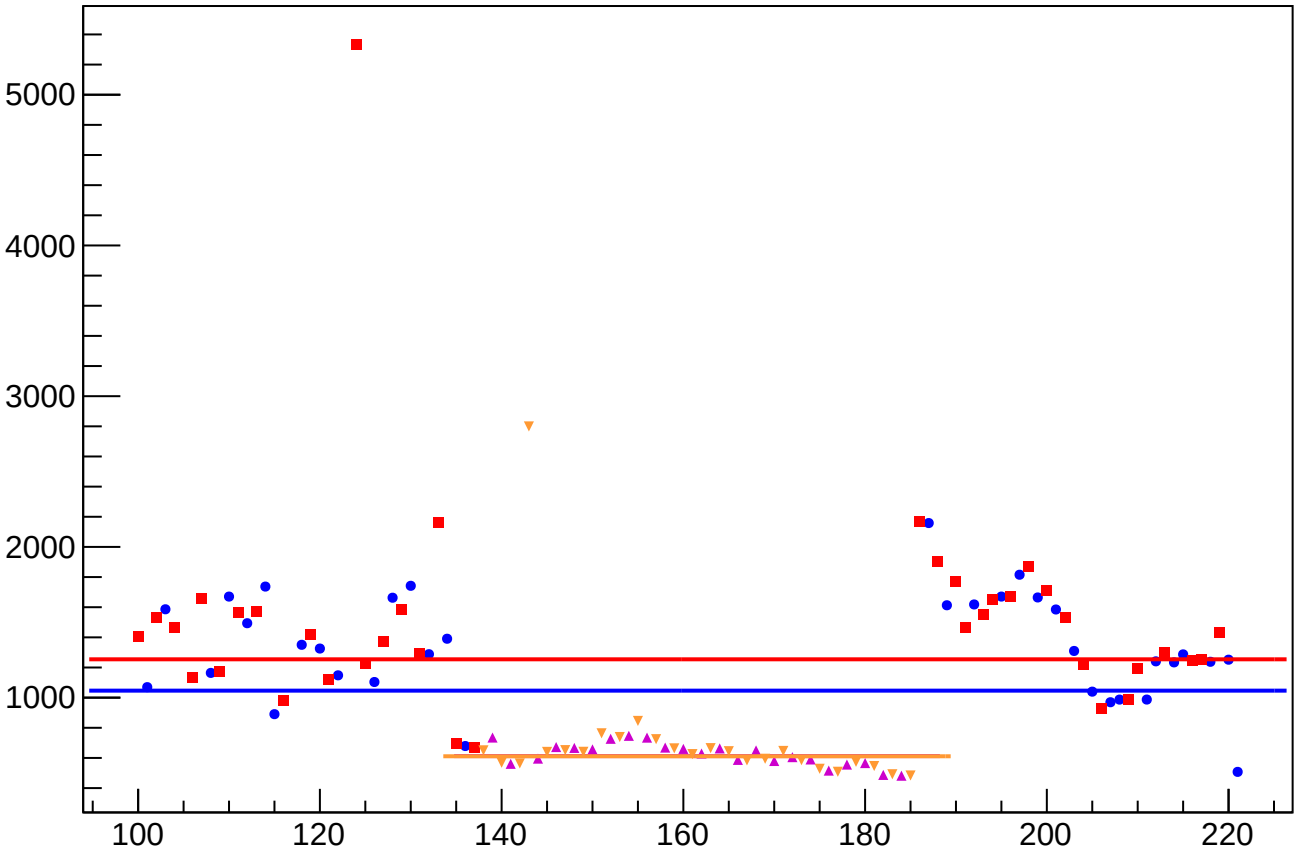
Right Out: 1336.524+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 640.311+/-88.476 χ^2/NDF: 220.8/118

- sign 365.076+/-128.374 χ^2/NDF: 91.4/59



Right In: 1046.482+/-0.169 χ^2/NDF: 5164850.7/33

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

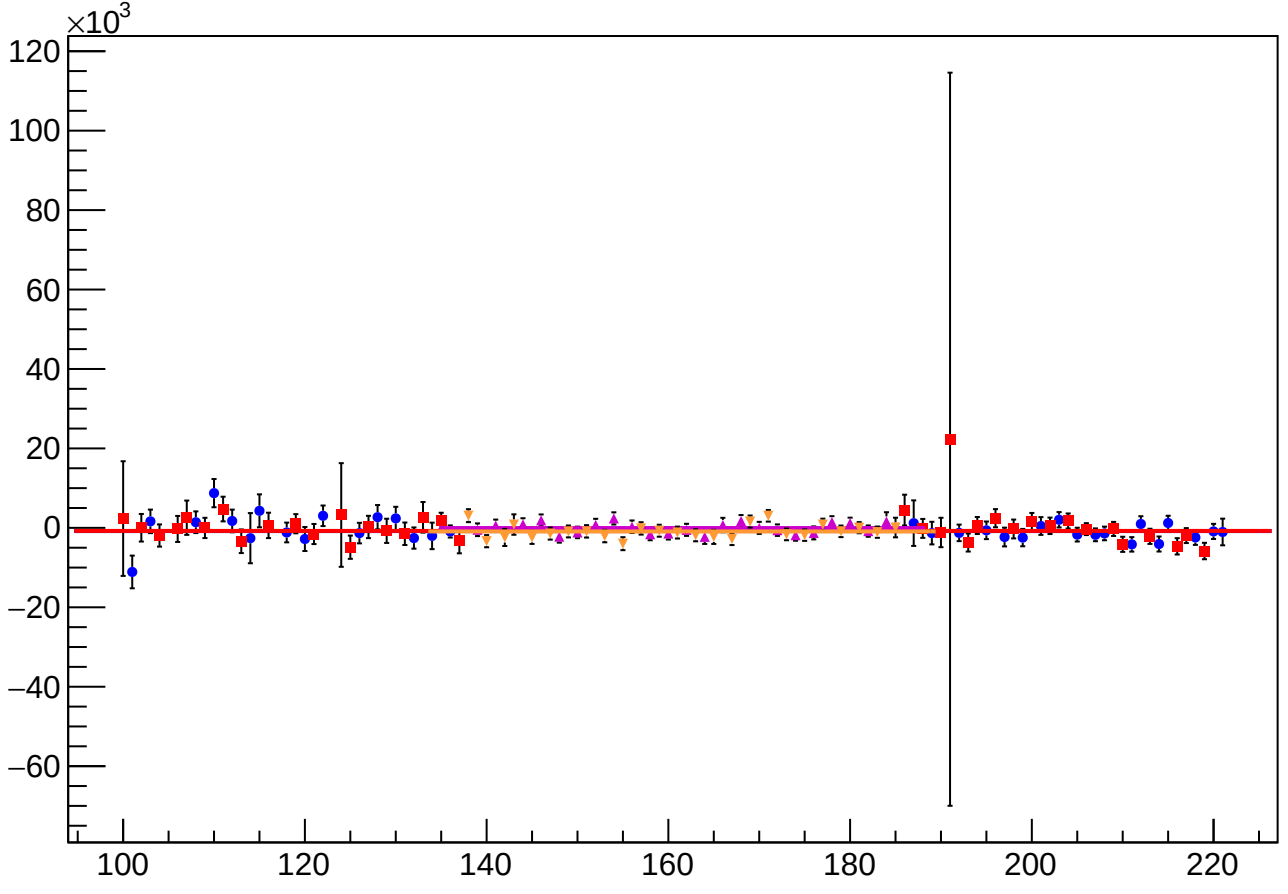
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 725.118+/-0.086 χ^2/NDF: 11699656.6/58

All: 734.942+/-0.063 χ^2/NDF: 23525431.2/11

- sign 745.799+/-0.091 χ^2/NDF: 11798524.0/59

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -809.503+/-397.239 χ^2/NDF: 36.5/33

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -771.194+/-411.095 χ^2/NDF: 33.8/36

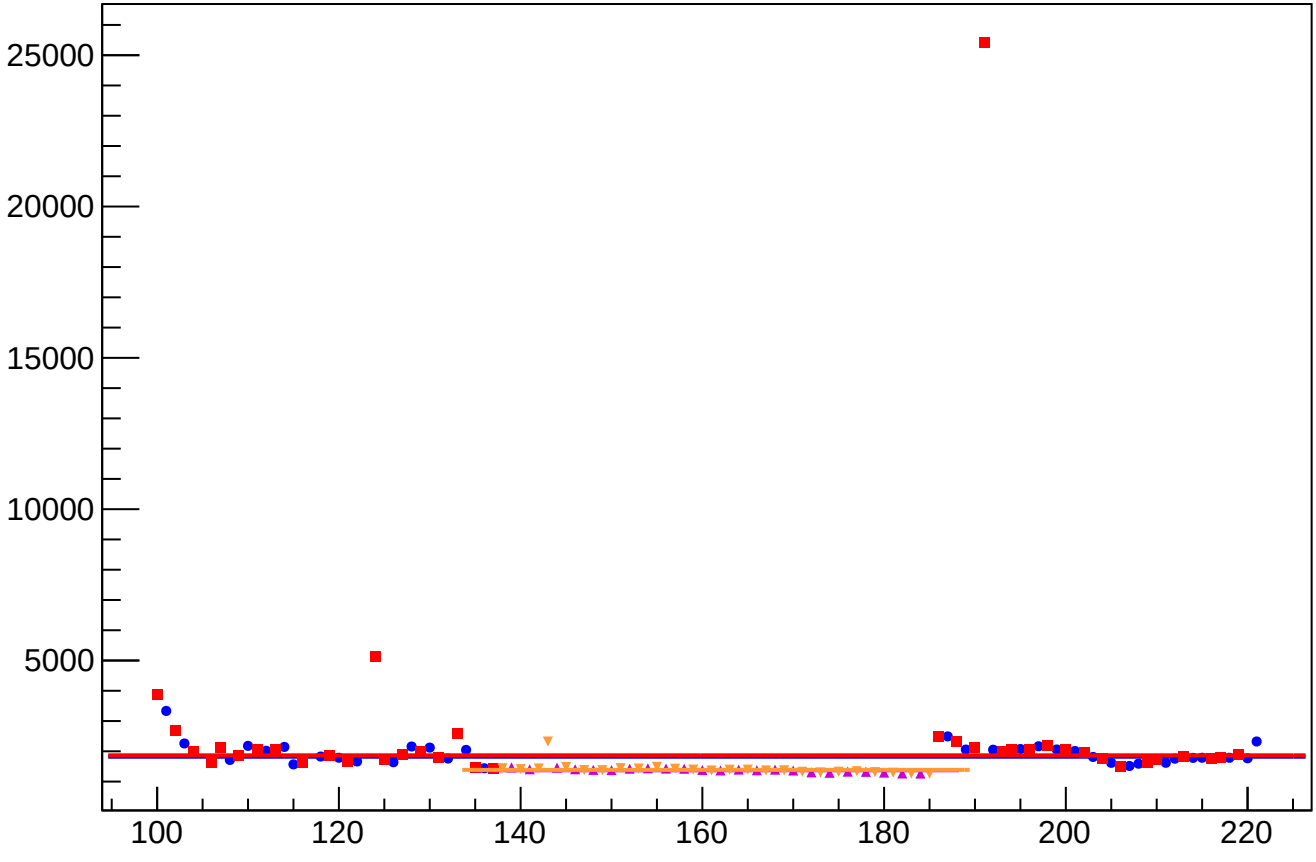
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -864.802+/-247.513 χ^2/NDF: 66.4/58

All: -599.301+/-176.916 χ^2/NDF: 122.4/118

- sign -321.960+/-252.971 χ^2/NDF: 53.6/59

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1821.130+/-0.281 χ^2/NDF: 940749.0/33

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

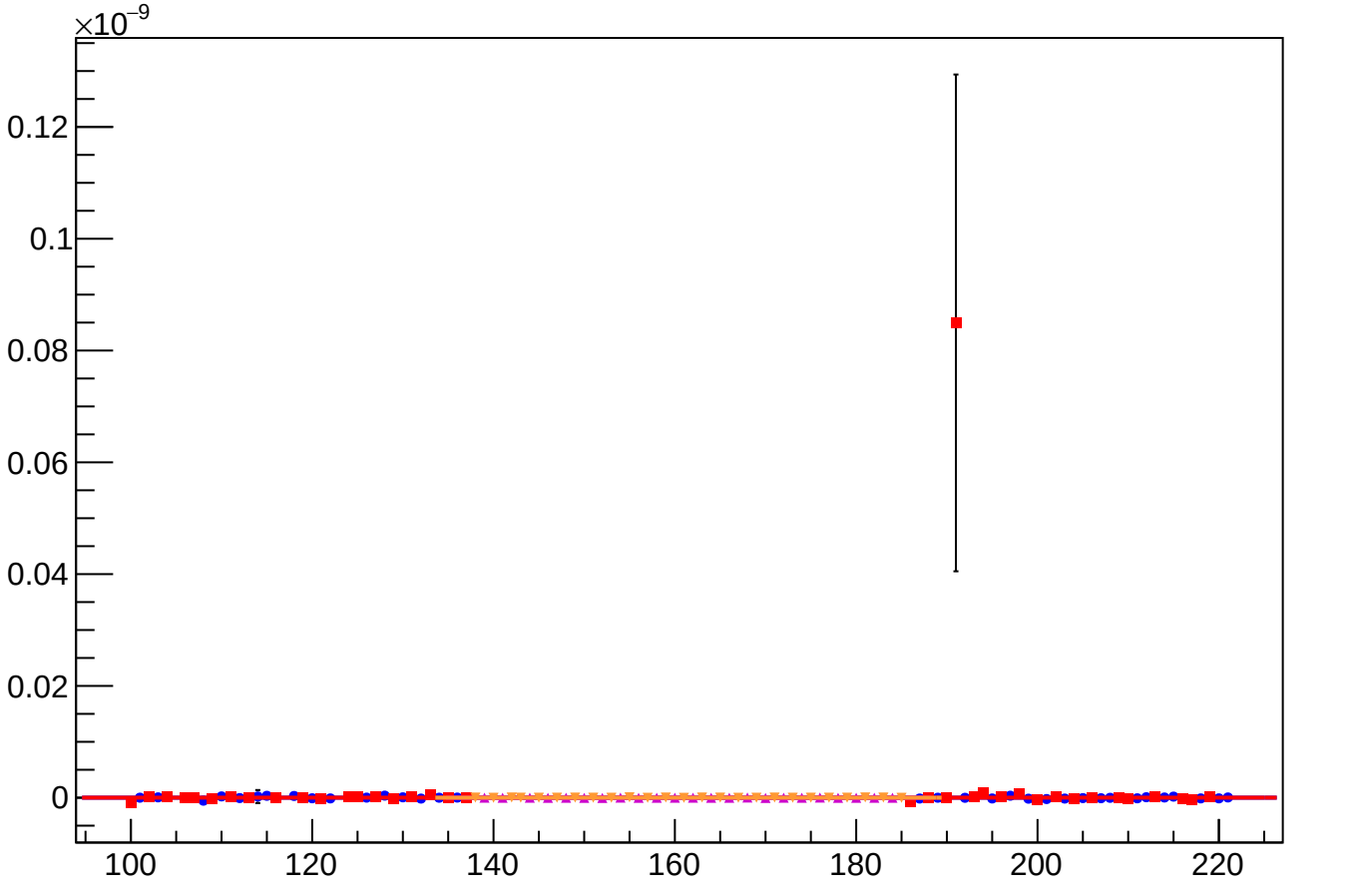
Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1555.448+/-0.175 χ^2/NDF: 2742937.1/58

All: 1557.971+/-0.125 χ^2/NDF: 5668633.4/11

- sign 1560.607+/-0.179 χ^2/NDF: 2925271.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

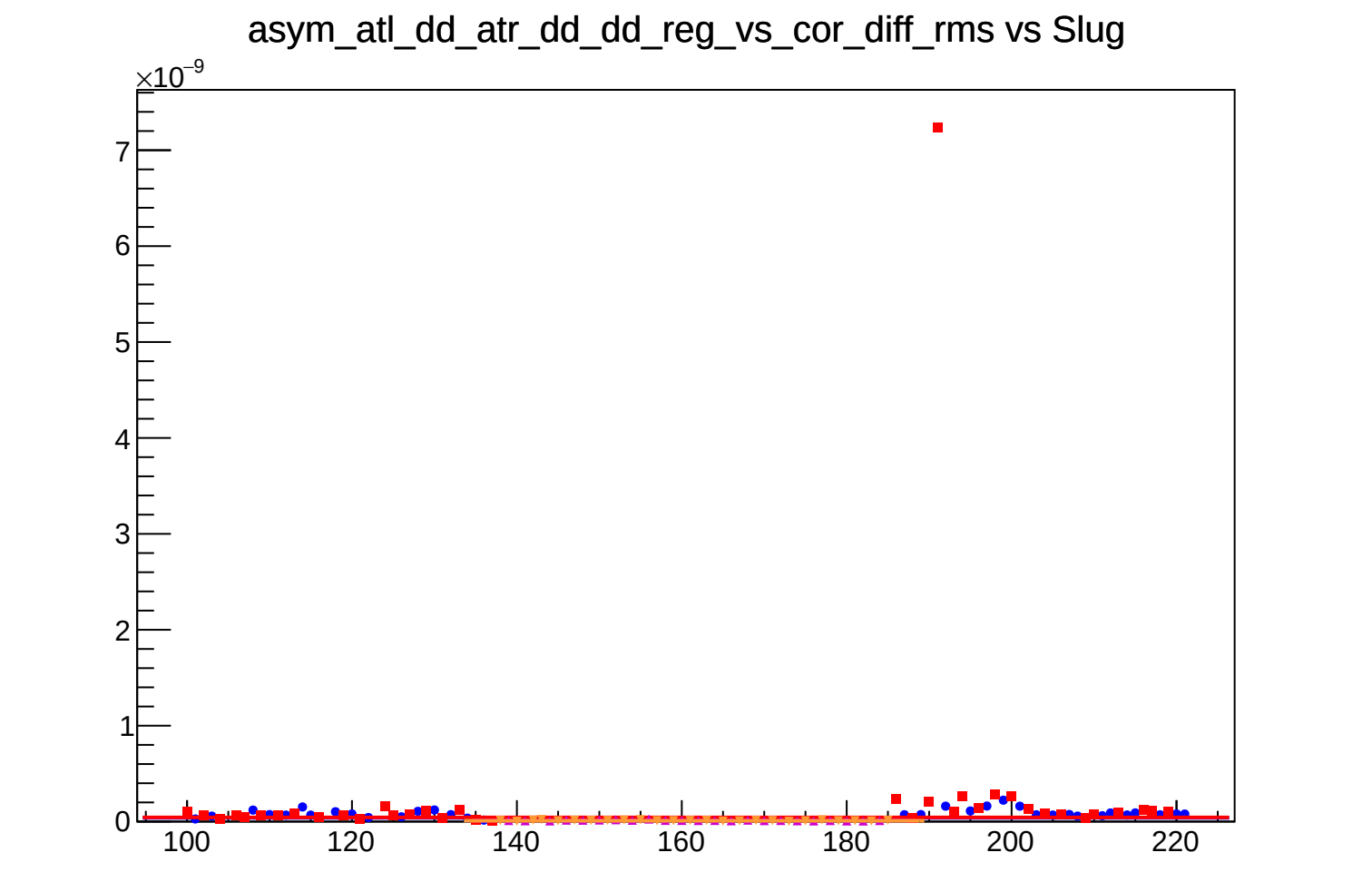
Right Out: 0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/58

All: 0.000+/-0.000 χ^2/NDF: 126.8/118

- sign -0.000+/-0.000 χ^2/NDF: 72.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 7488737.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

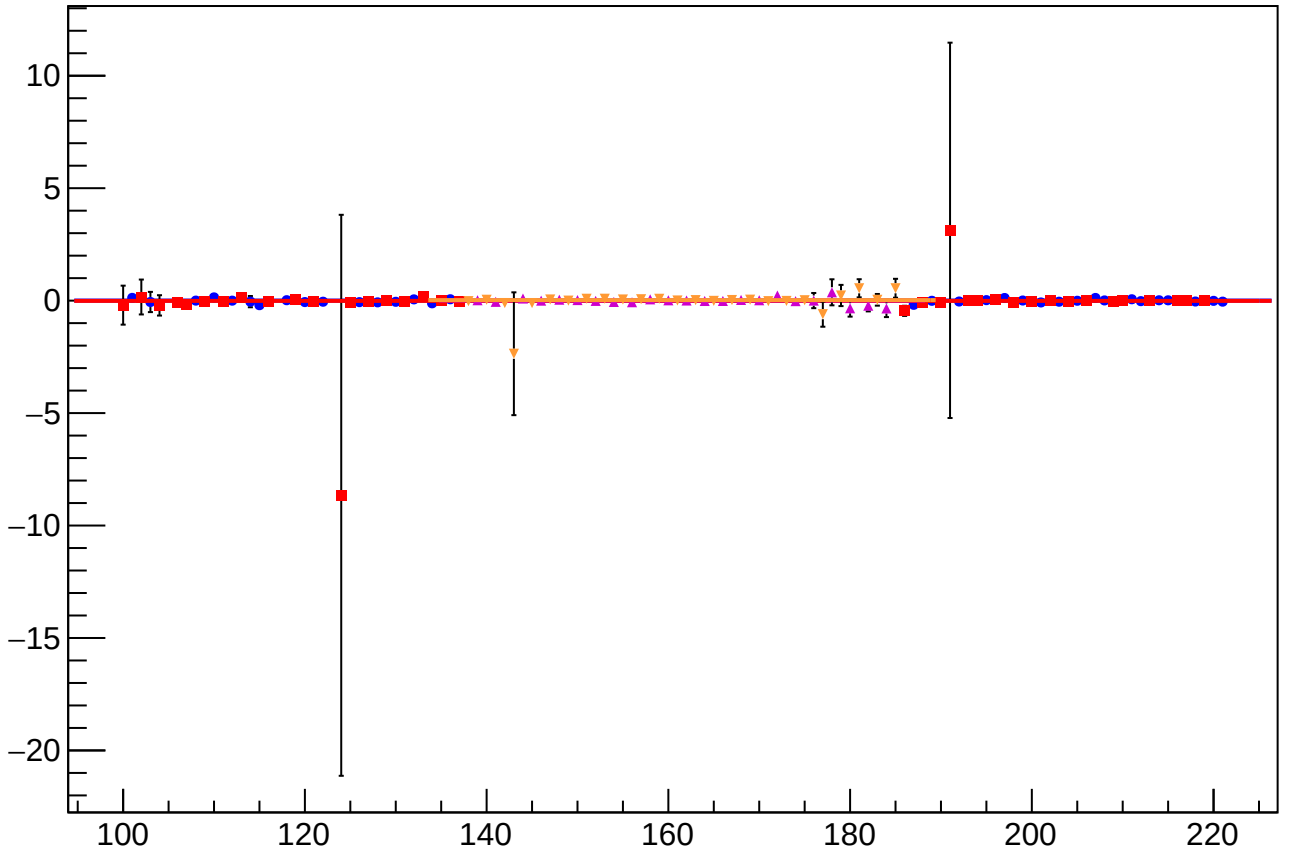
Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16405468.8/58

All: 0.000+/-0.000 χ^2/NDF: 31729031.4/118

- sign 0.000+/-0.000 χ^2/NDF: 15062116.3/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

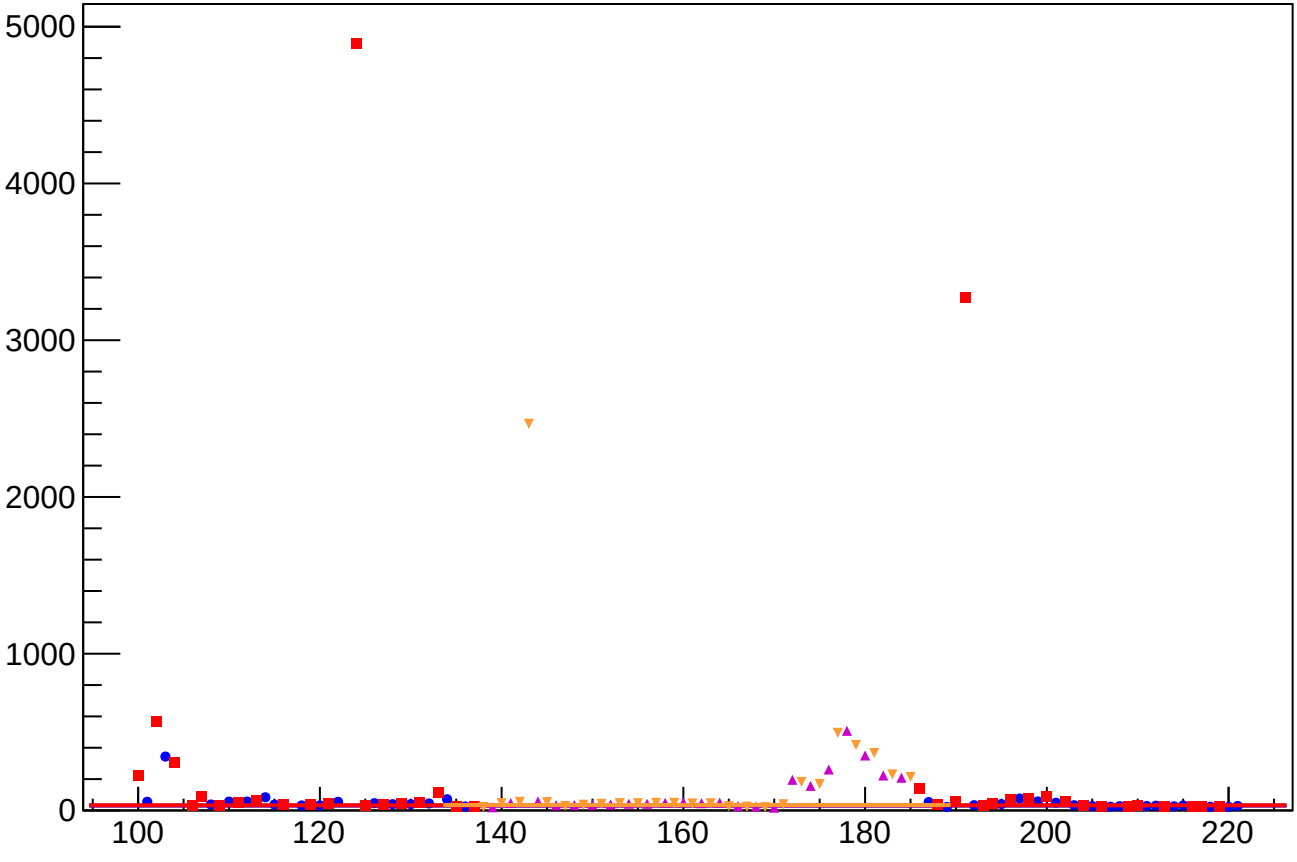
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

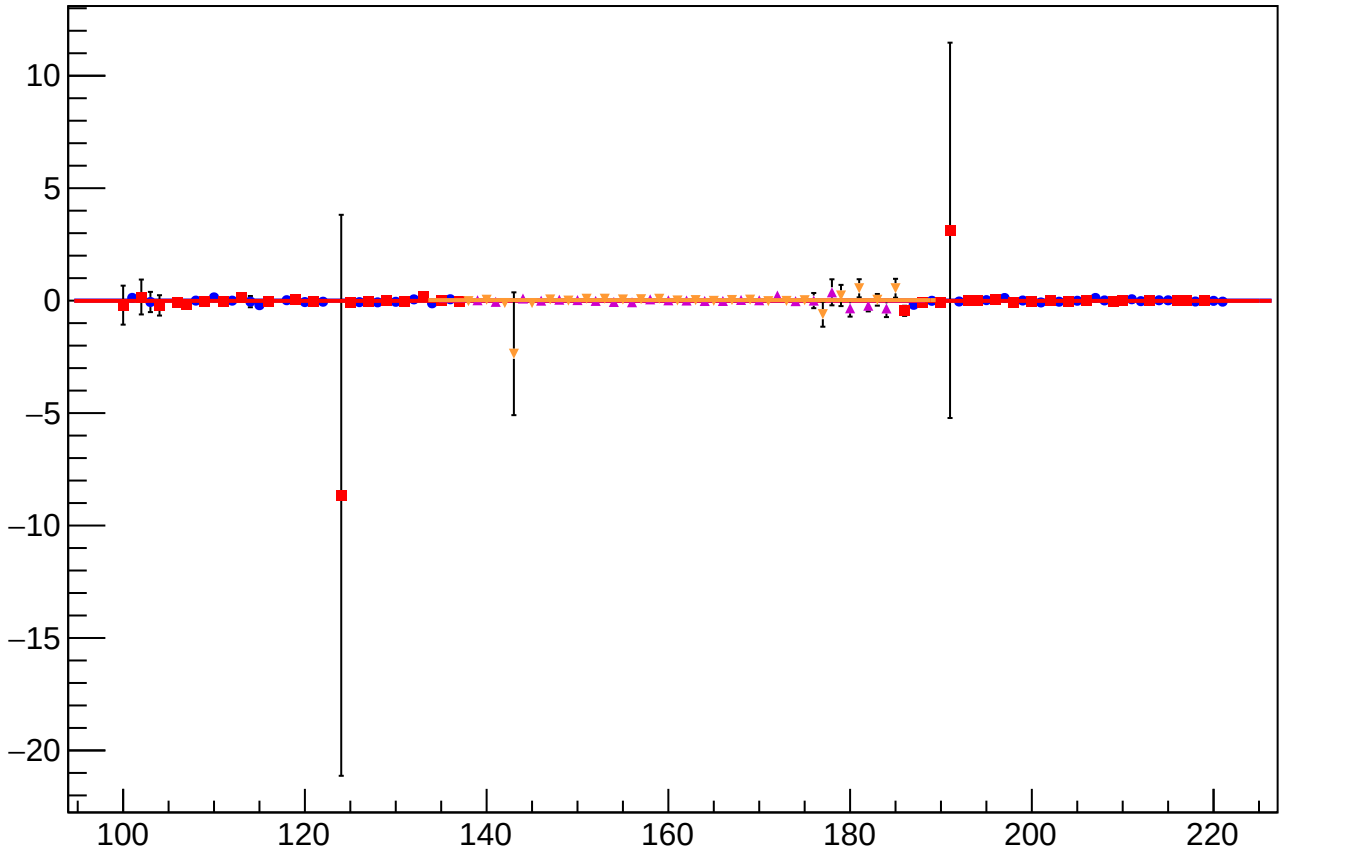
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

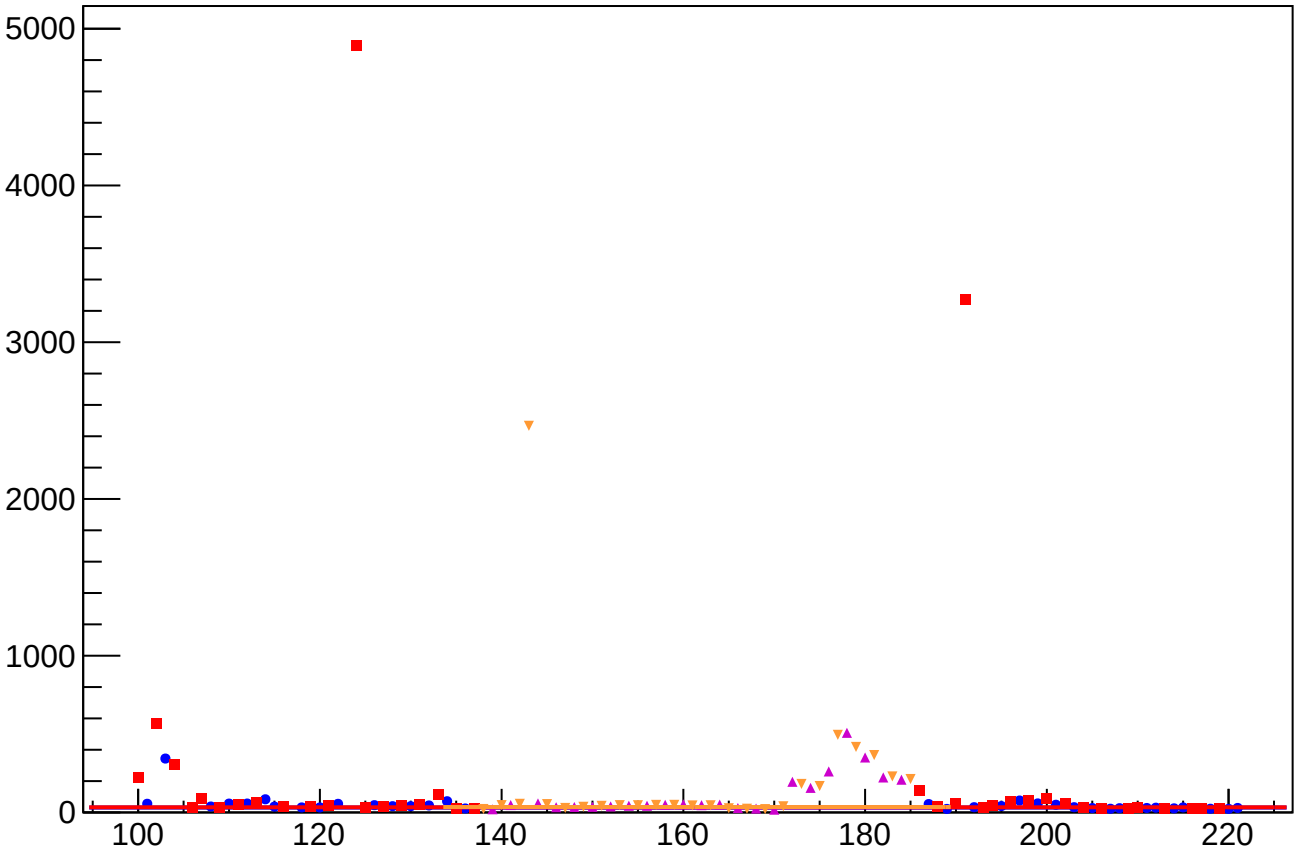
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

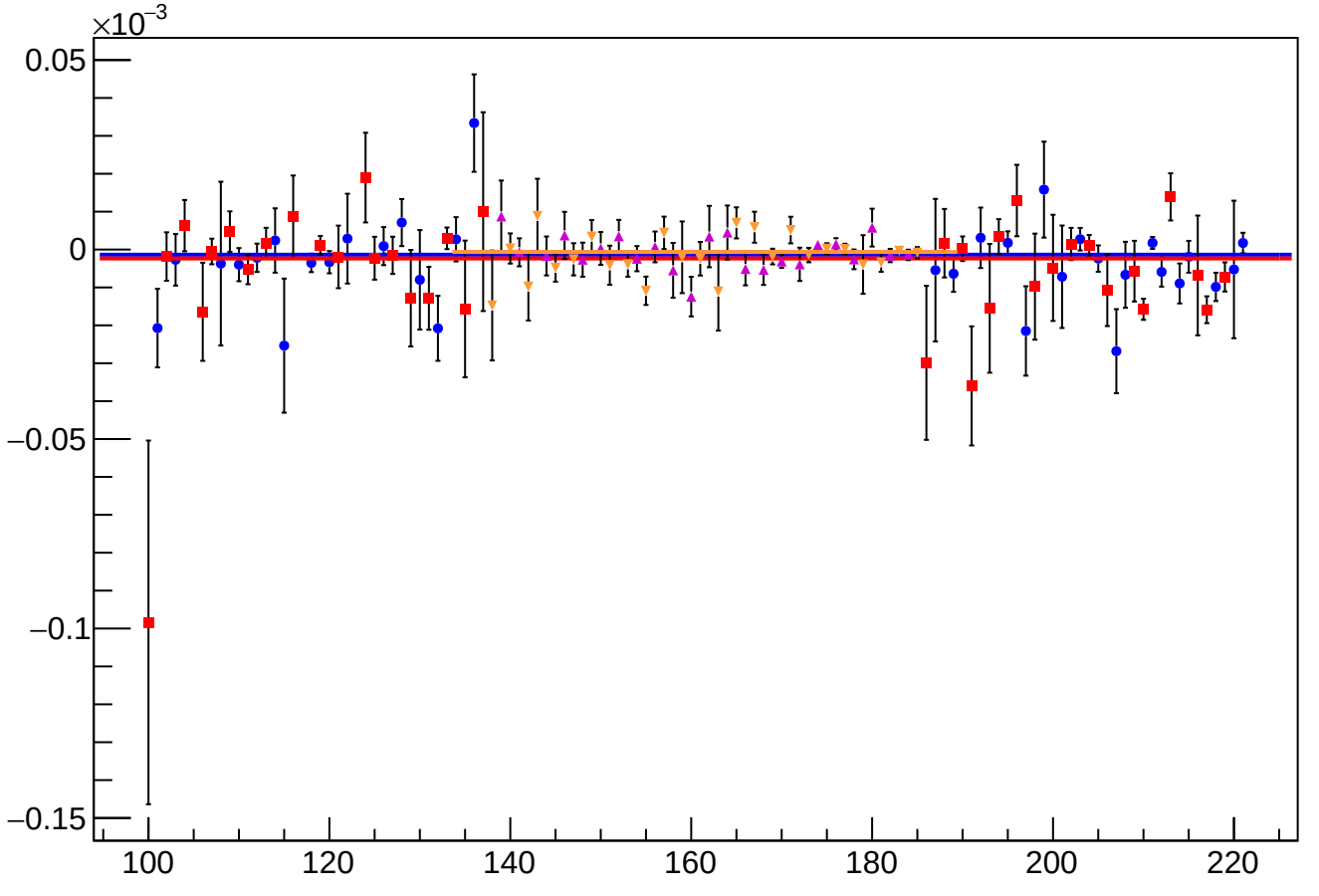
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

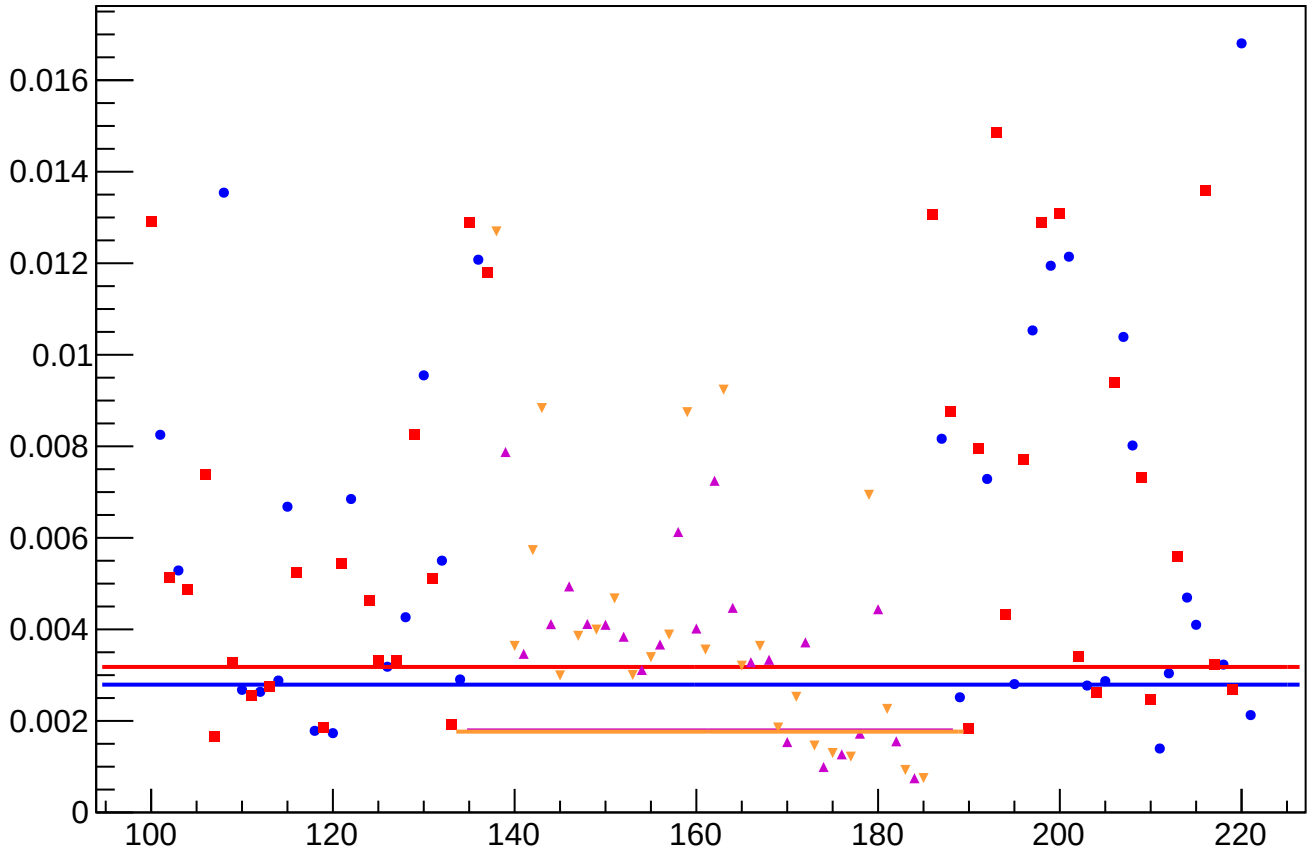
Right Out: -0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/58

All: -0.000+/-0.000 χ^2/NDF: 191.3/118

- sign -0.000+/-0.000 χ^2/NDF: 110.4/59



Right In: 0.003+/-0.000 χ^2/NDF: 12866926.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

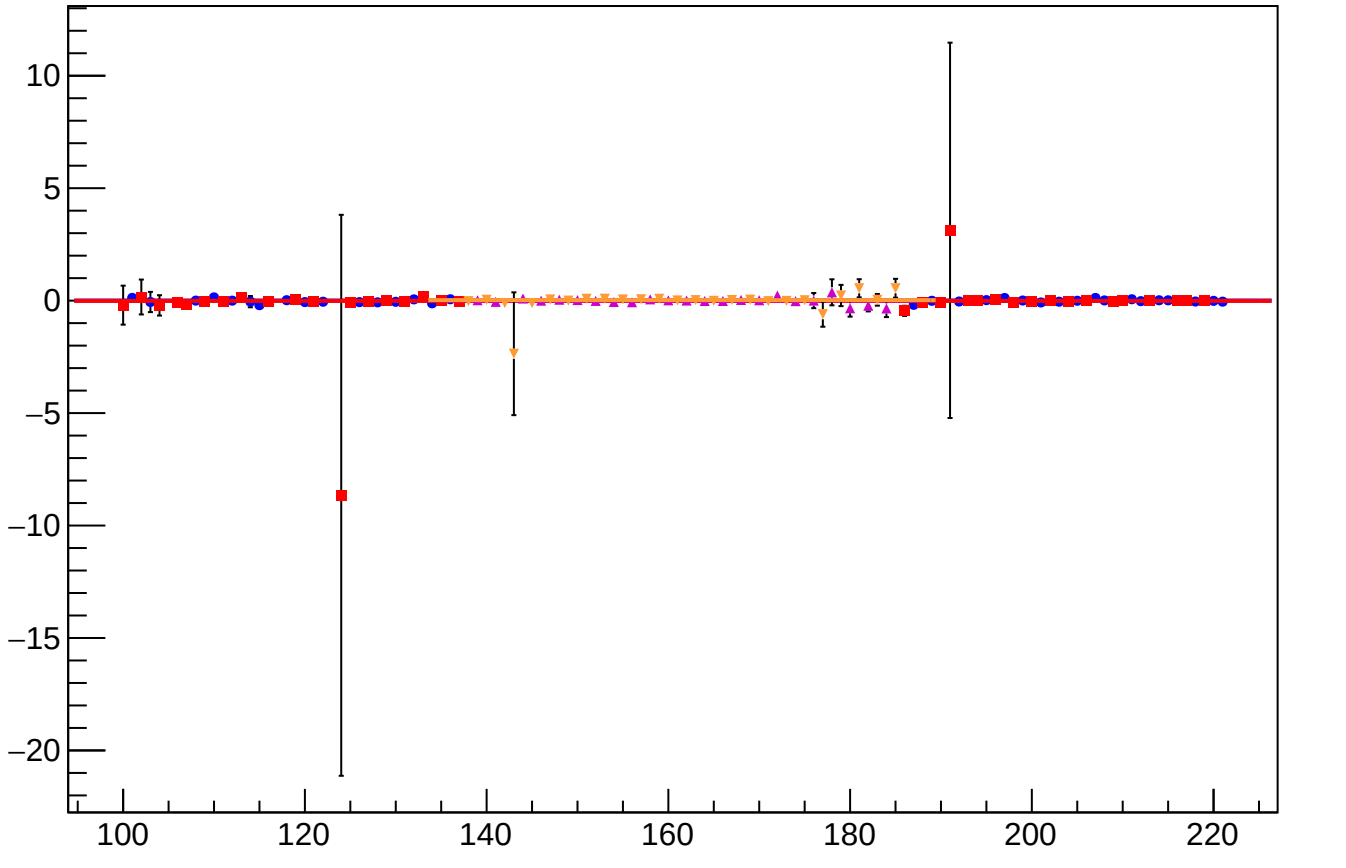
Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 28334208.2/58

All: 0.002+/-0.000 χ^2/NDF: 54646647.9/118

- sign 0.002+/-0.000 χ^2/NDF: 26245327.7/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

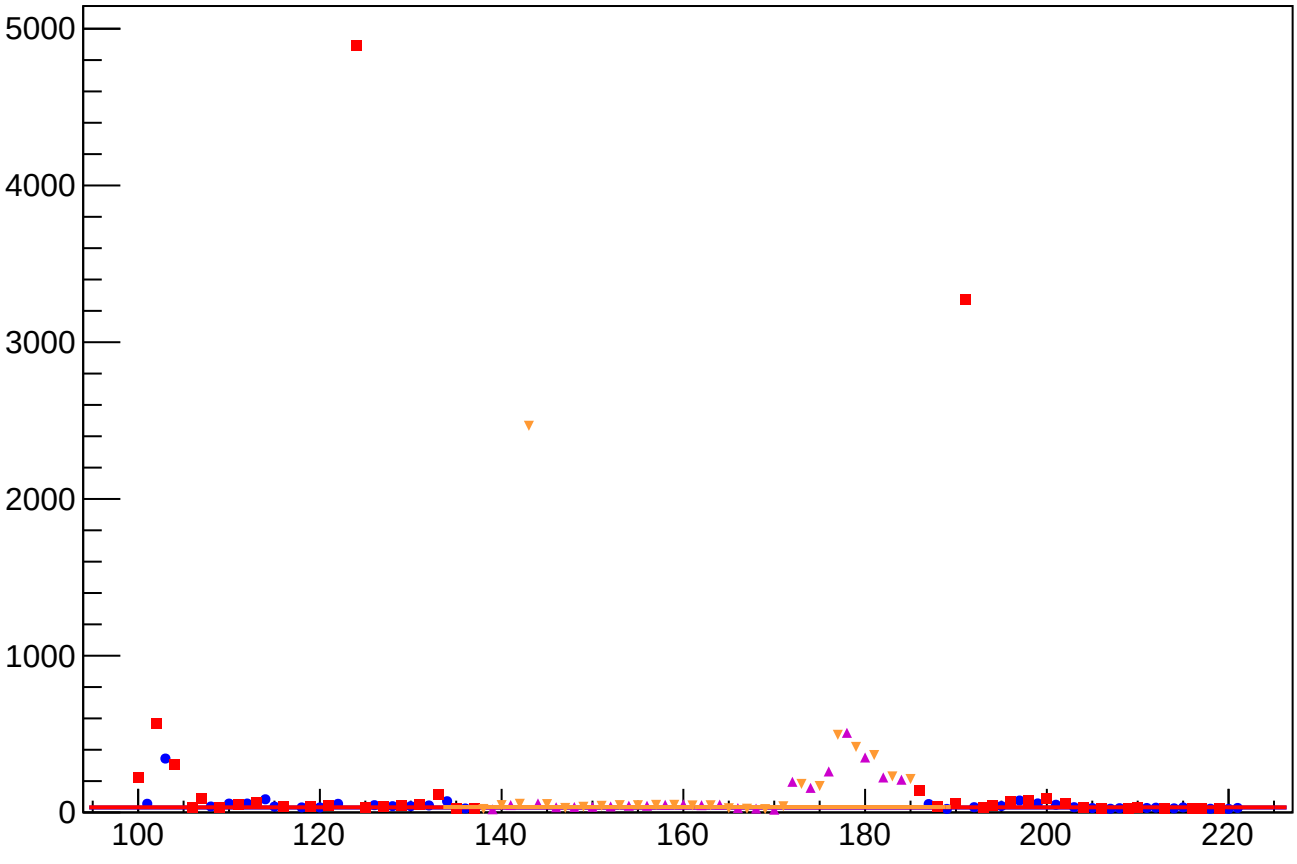
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

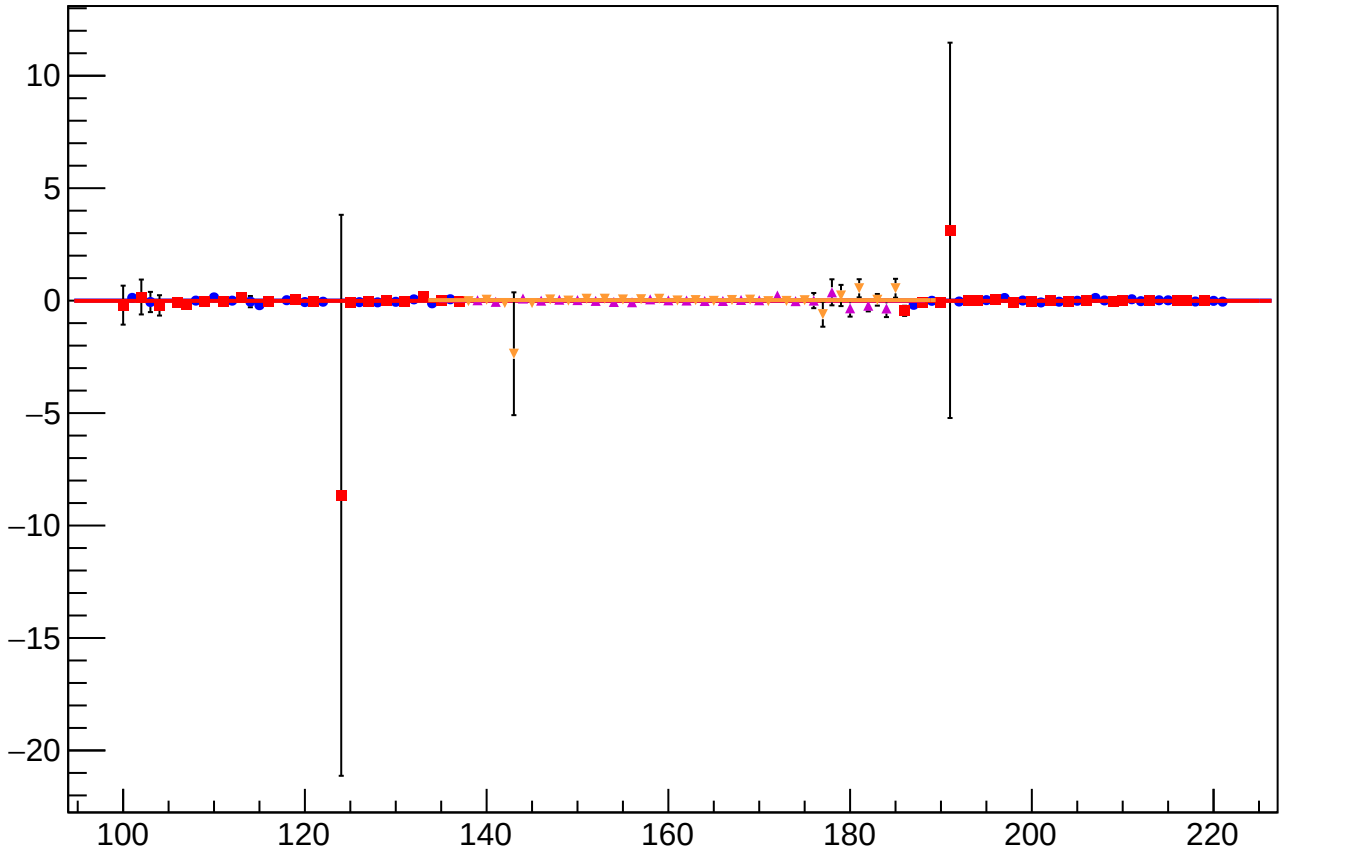
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

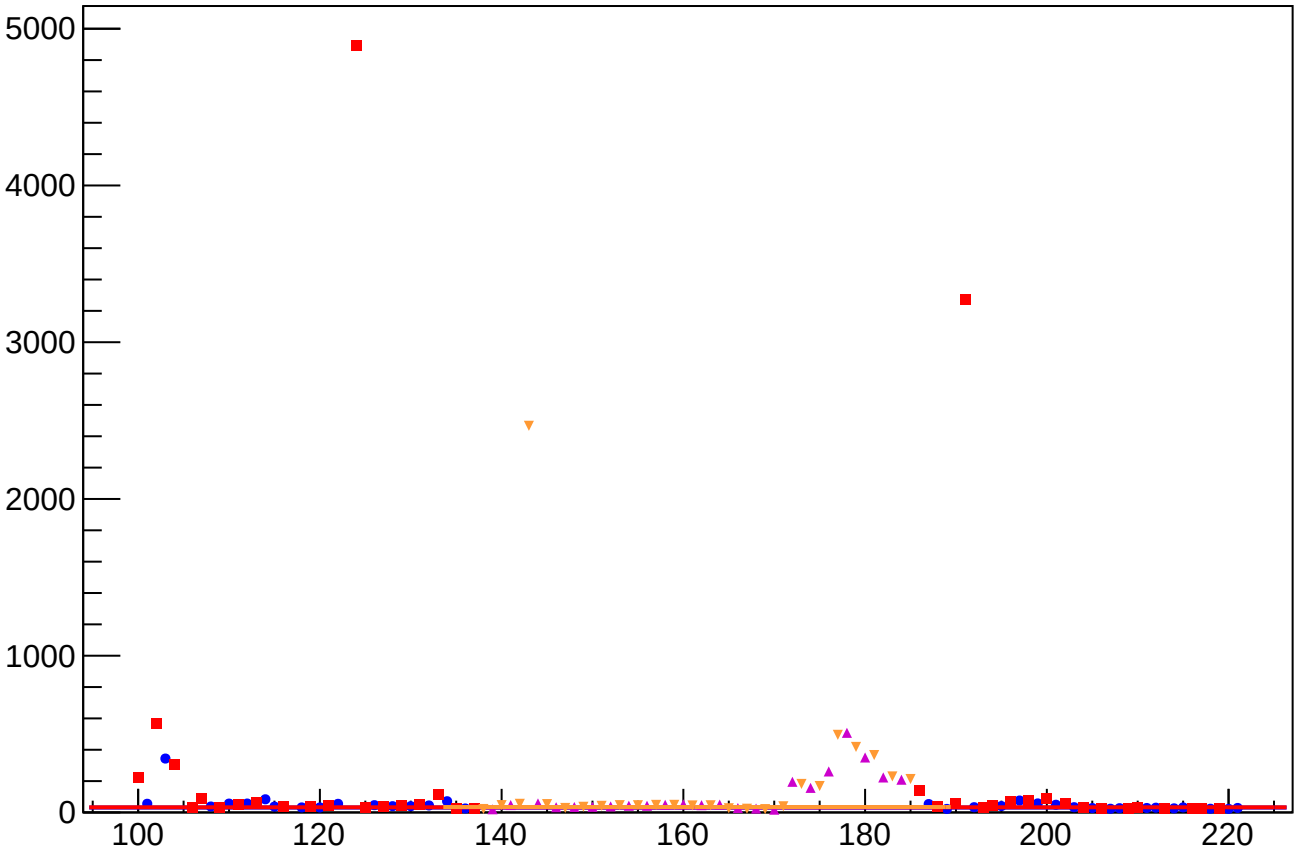
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

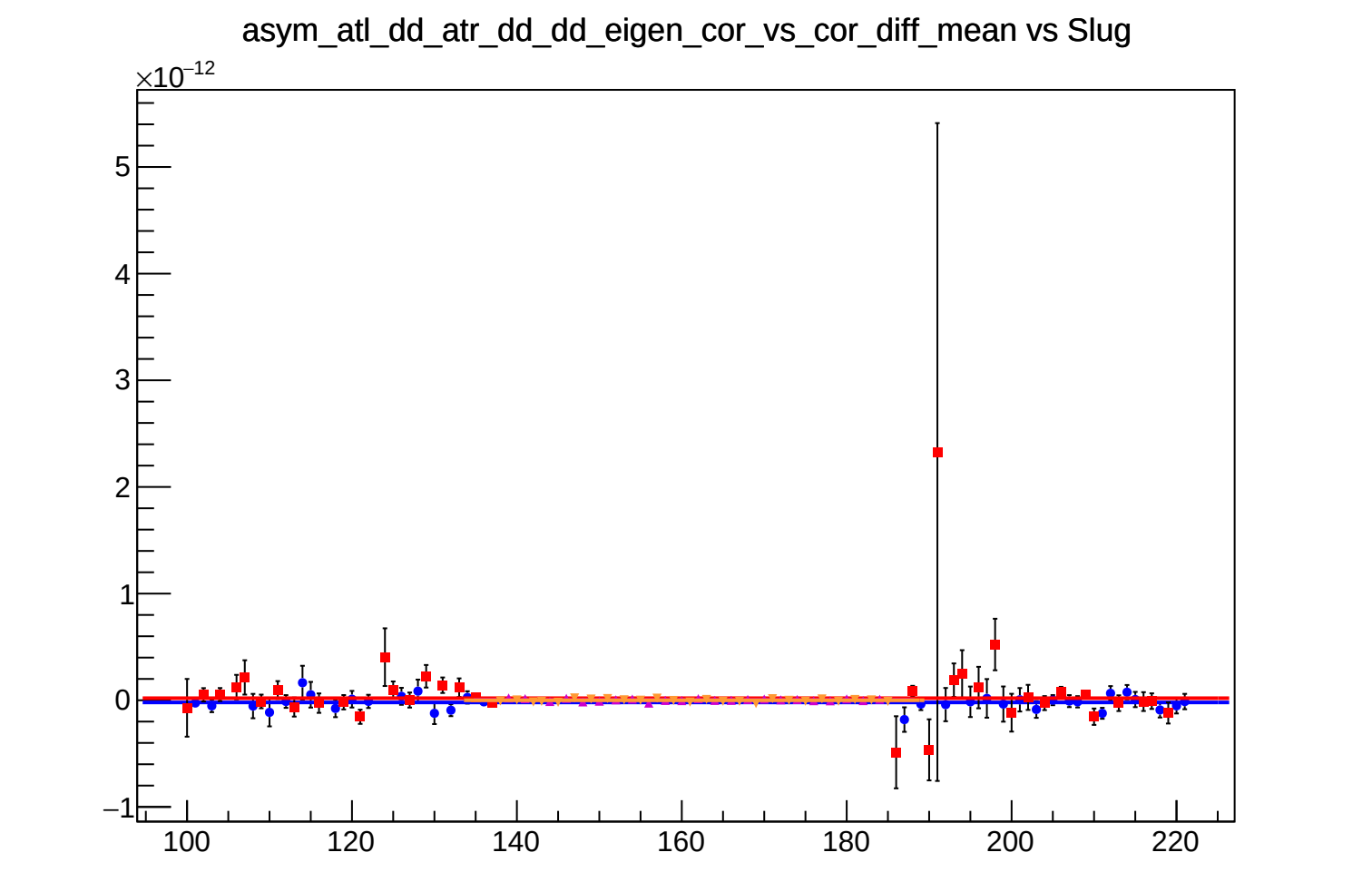
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

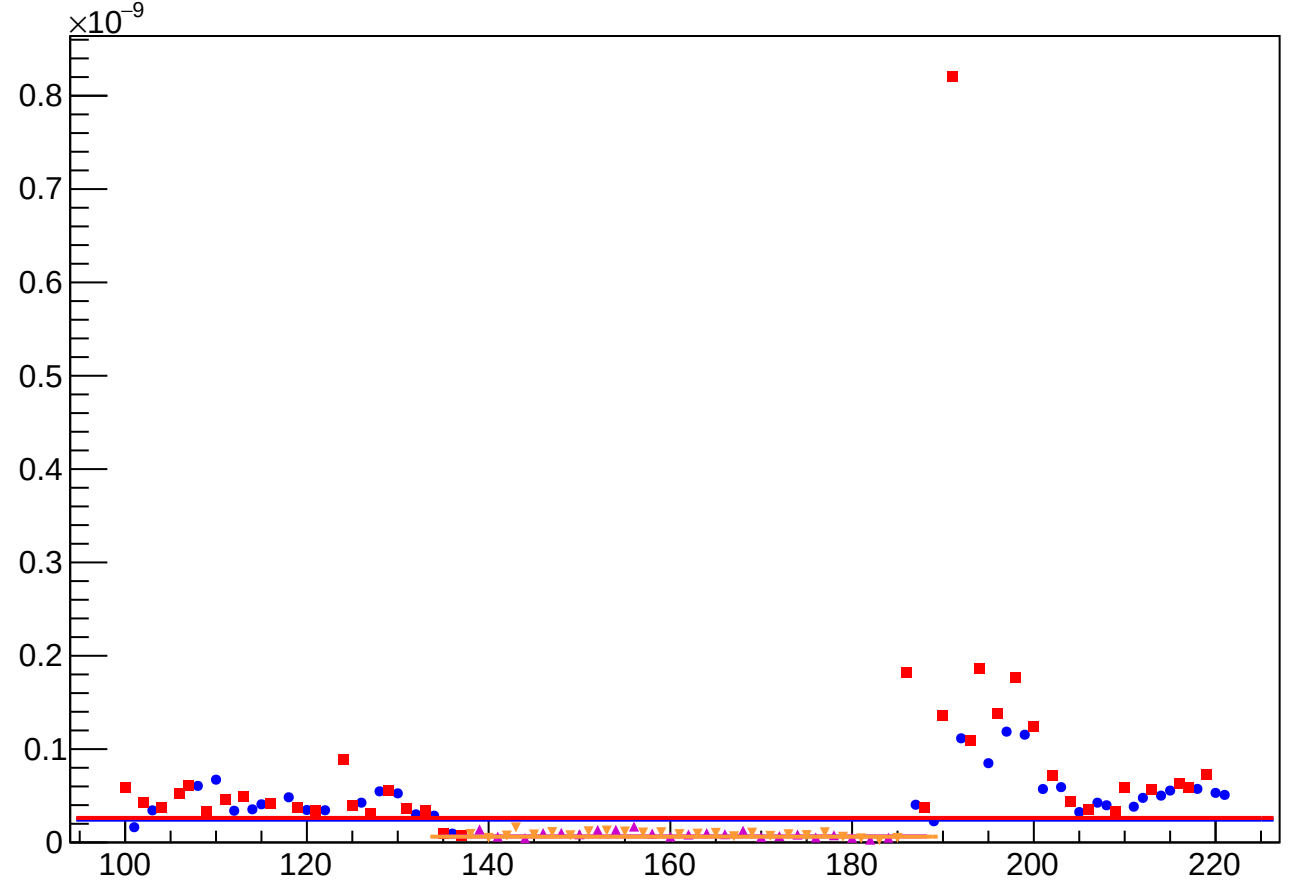
Right Out: 0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/58

All: 0.000+/-0.000 χ^2/NDF: 129.8/118

- sign 0.000+/-0.000 χ^2/NDF: 75.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 9608803.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

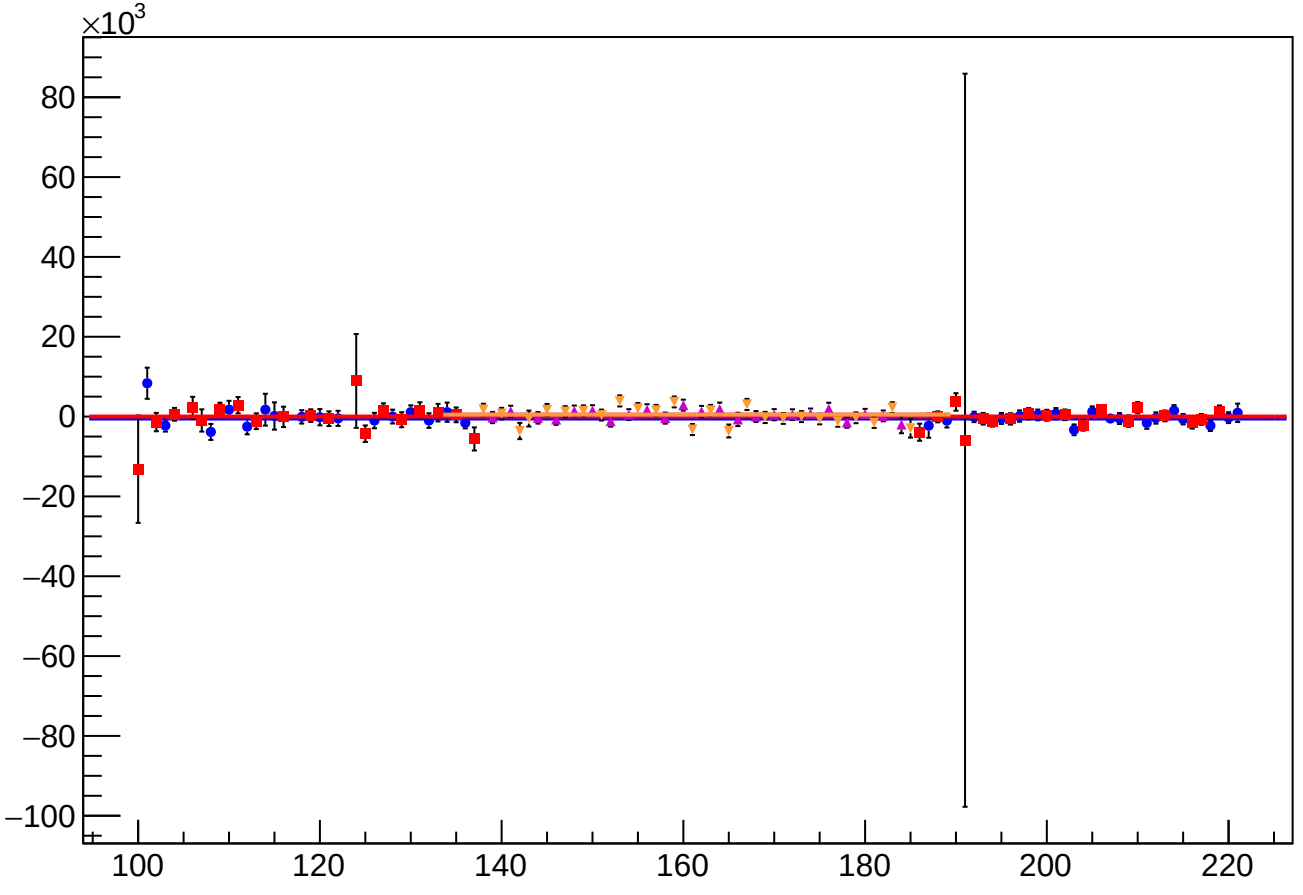
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 23302638.8/58

All: 0.000+/-0.000 χ^2/NDF: 47167845.9/118

- sign 0.000+/-0.000 χ^2/NDF: 23850212.2/59

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -487.178+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF: 33.5/36

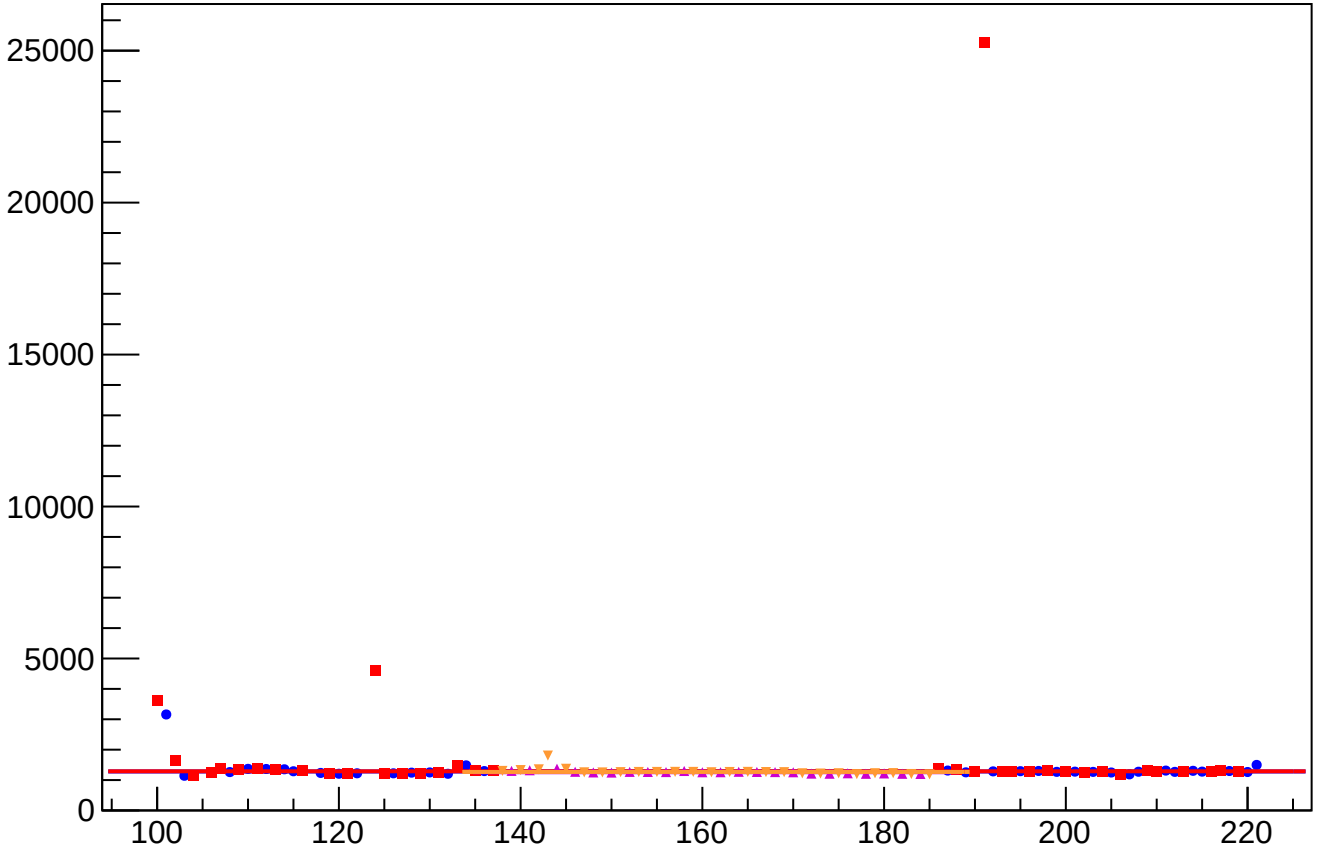
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -14.863+/-200.359 χ^2/NDF: 79.5/58

All: 110.070+/-142.747 χ^2/NDF: 129.5/118

- sign 238.857+/-203.426 χ^2/NDF: 49.3/59

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548621.5/33

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

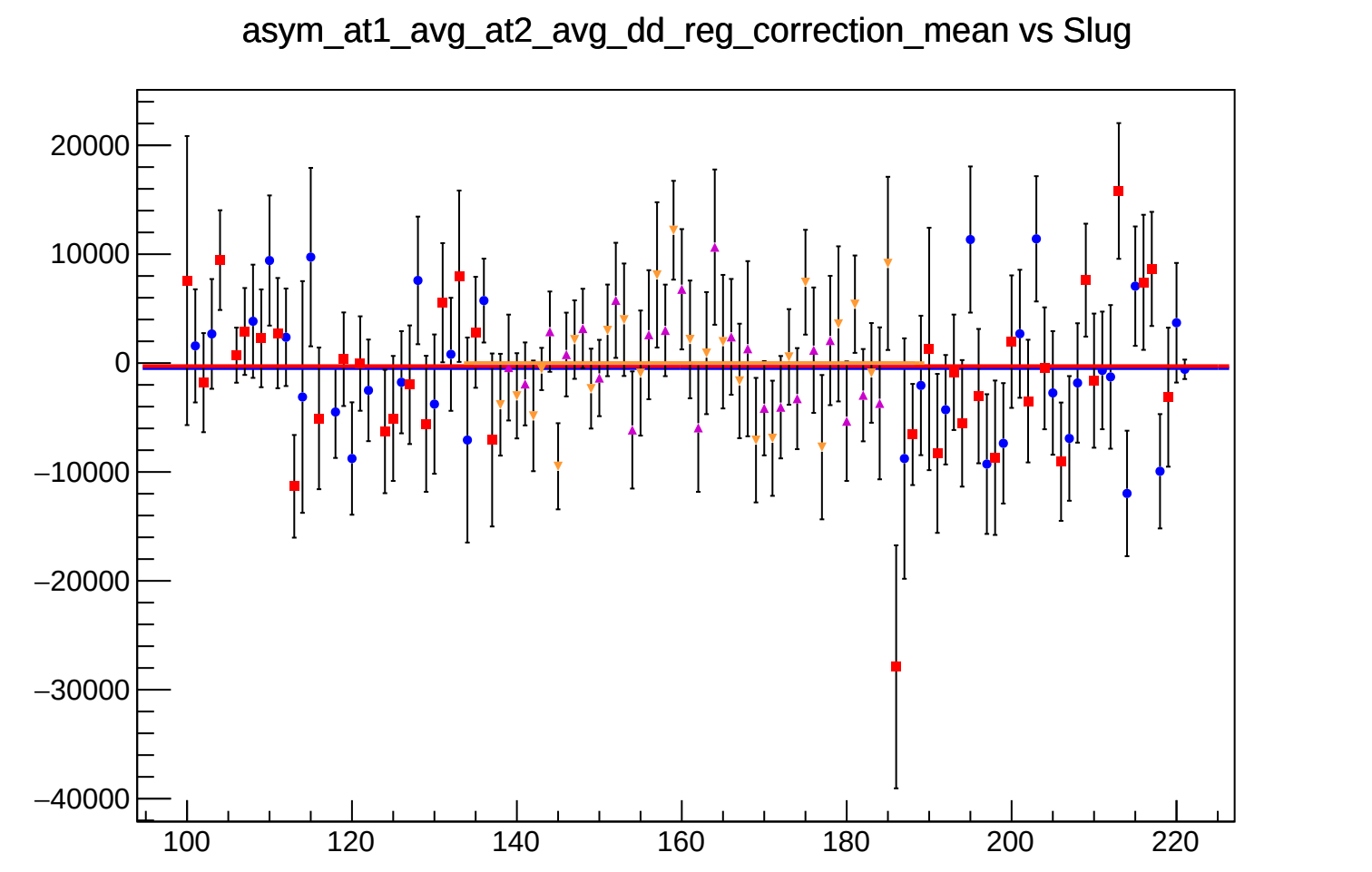
Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739020.3/58

All: 1274.247+/-0.101 χ^2/NDF: 1270999.6/11

- sign 1273.669+/-0.144 χ^2/NDF: 531947.5/59



Right In: -464.733+/-656.771 χ^2/NDF: 38.6/33

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

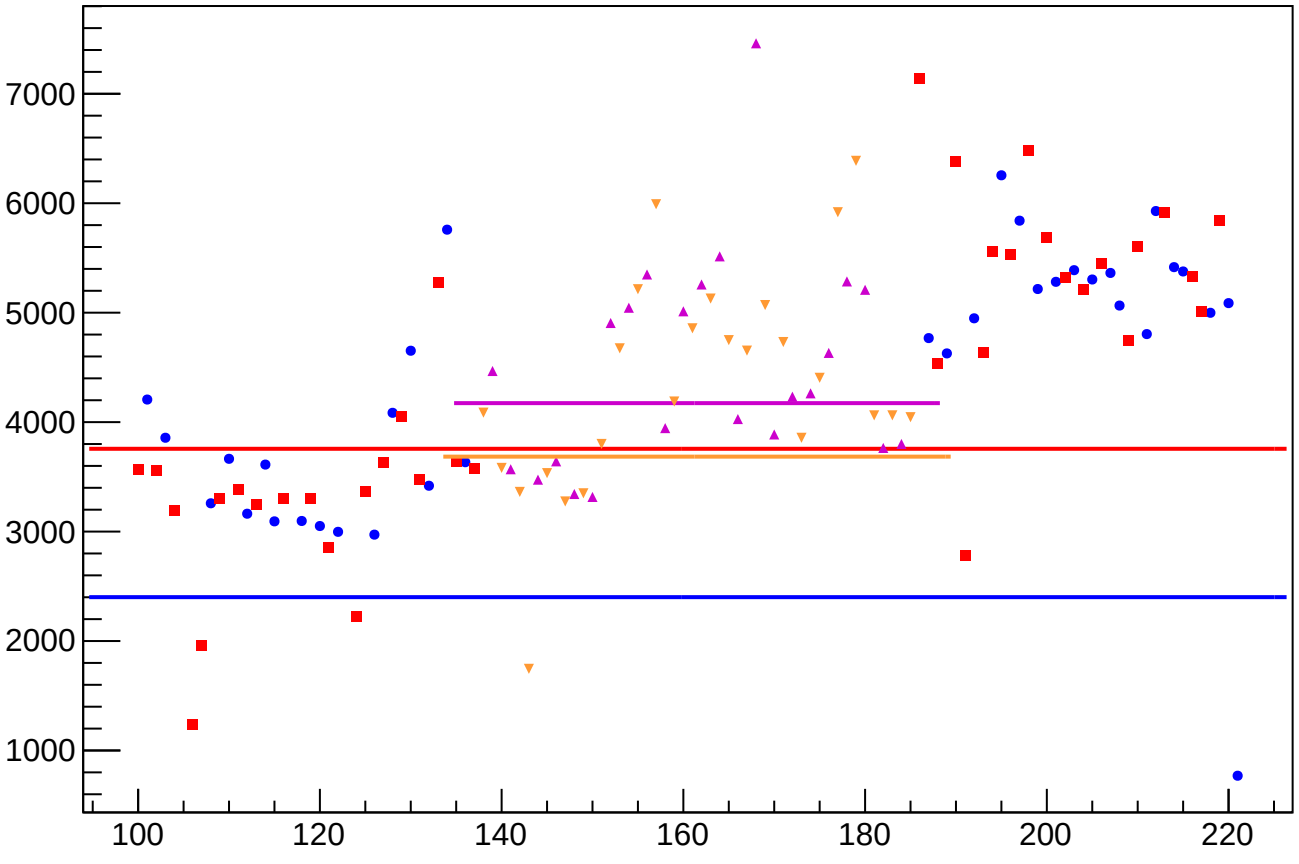
Right Out: -274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -300.258+/-527.721 χ^2/NDF: 67.8/58

All: -248.581+/-411.577 χ^2/NDF: 128.7/118

- sign -168.341+/-657.590 χ^2/NDF: 60.9/59



Right In: 2400.923+/-0.464 χ^2/NDF: 16646929.0/33

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

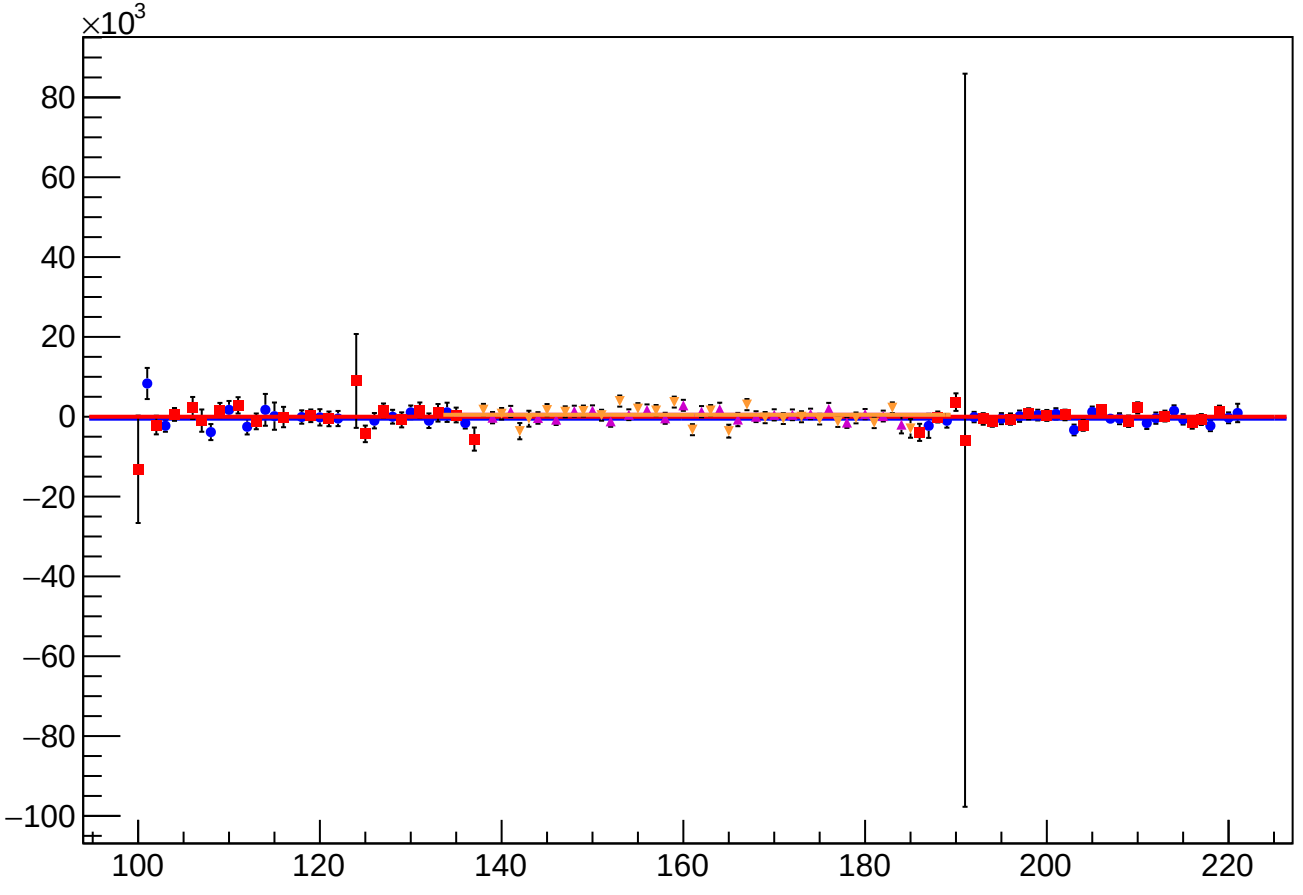
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 2855.885+/-0.373 χ^2/NDF: 23048835.8/58

All: 3279.983+/-0.291 χ^2/NDF: 33386929.1/1

- sign 3938.499+/-0.465 χ^2/NDF: 7040776.2/59

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

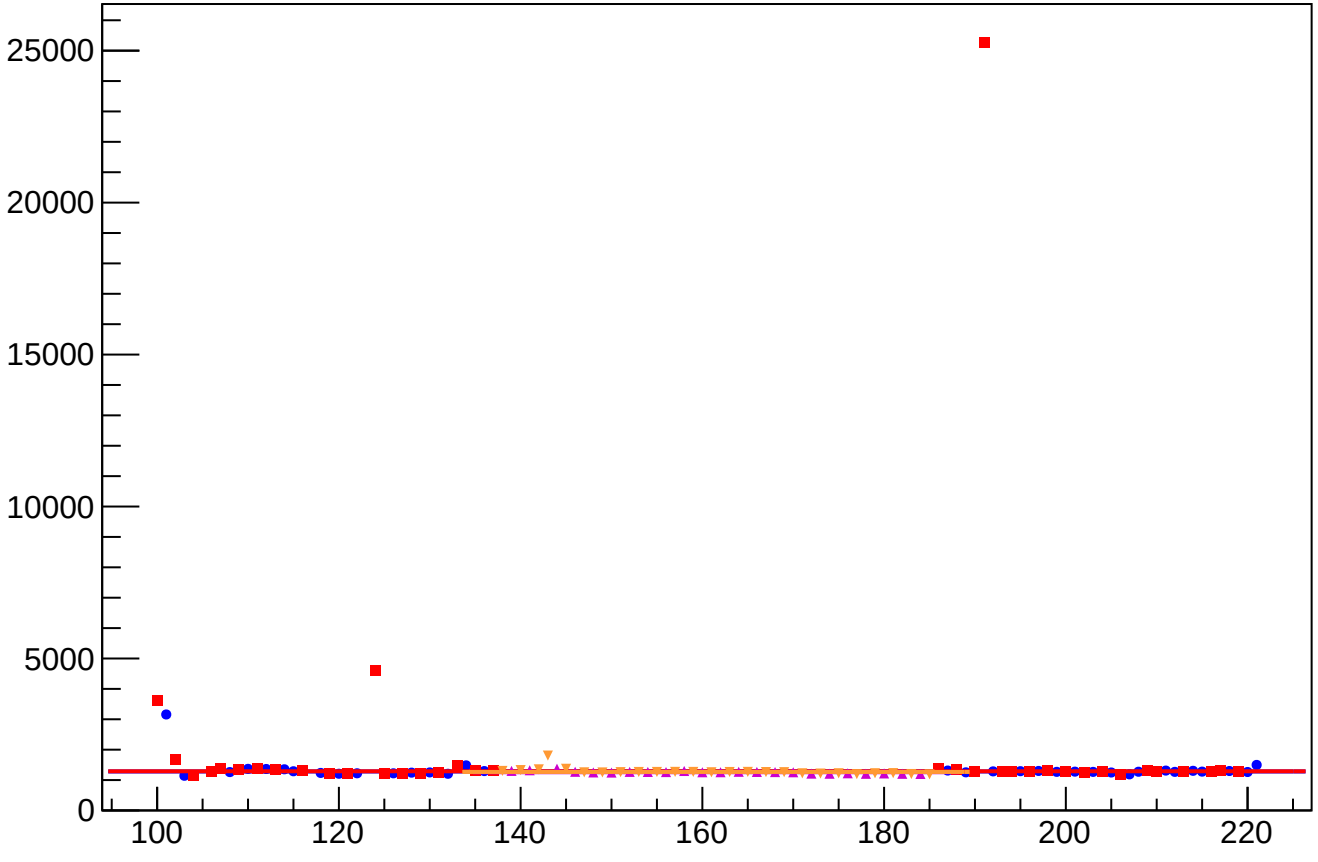
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.545+/-142.756 χ^2/NDF: 130.0/118

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

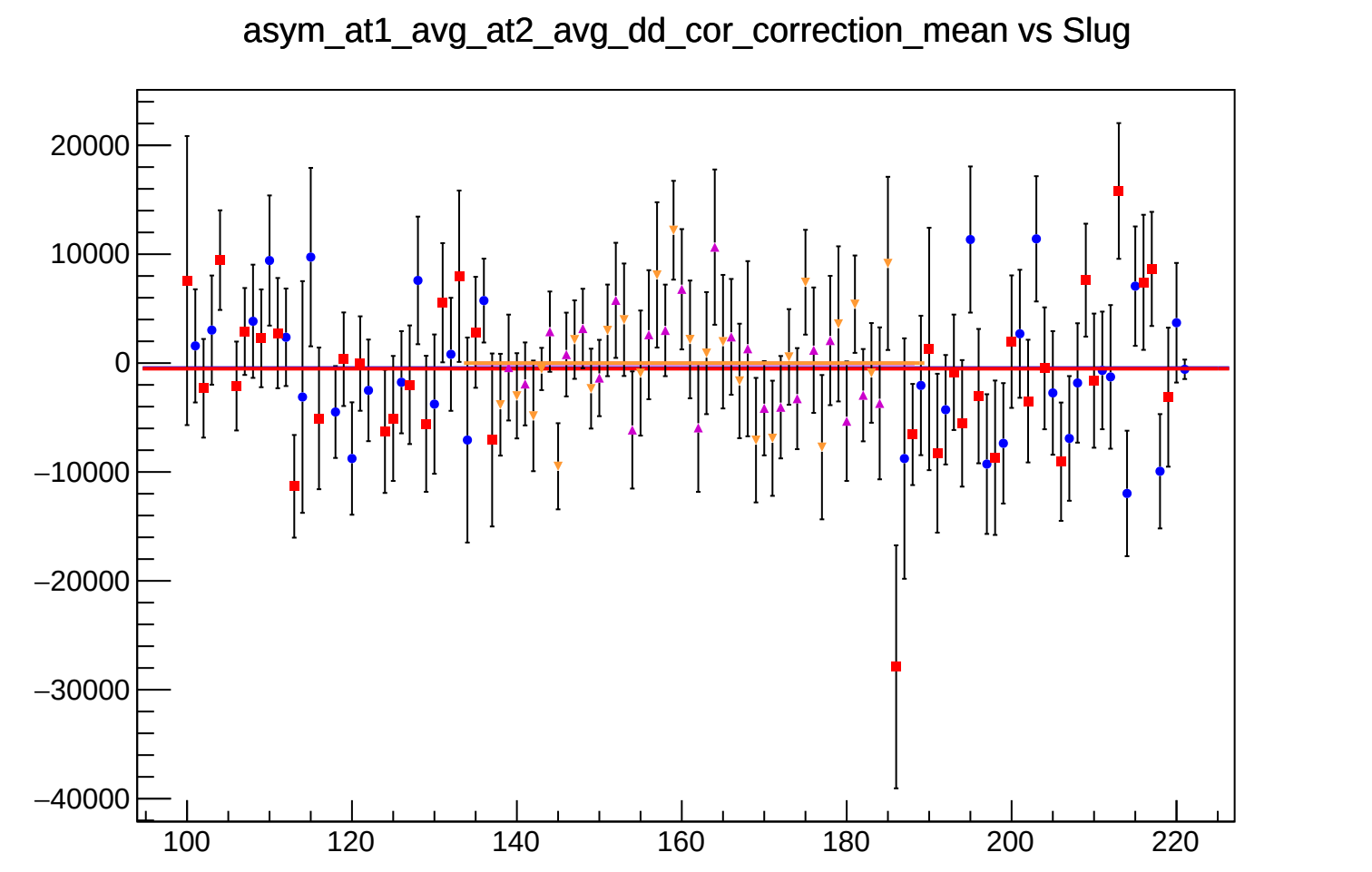
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

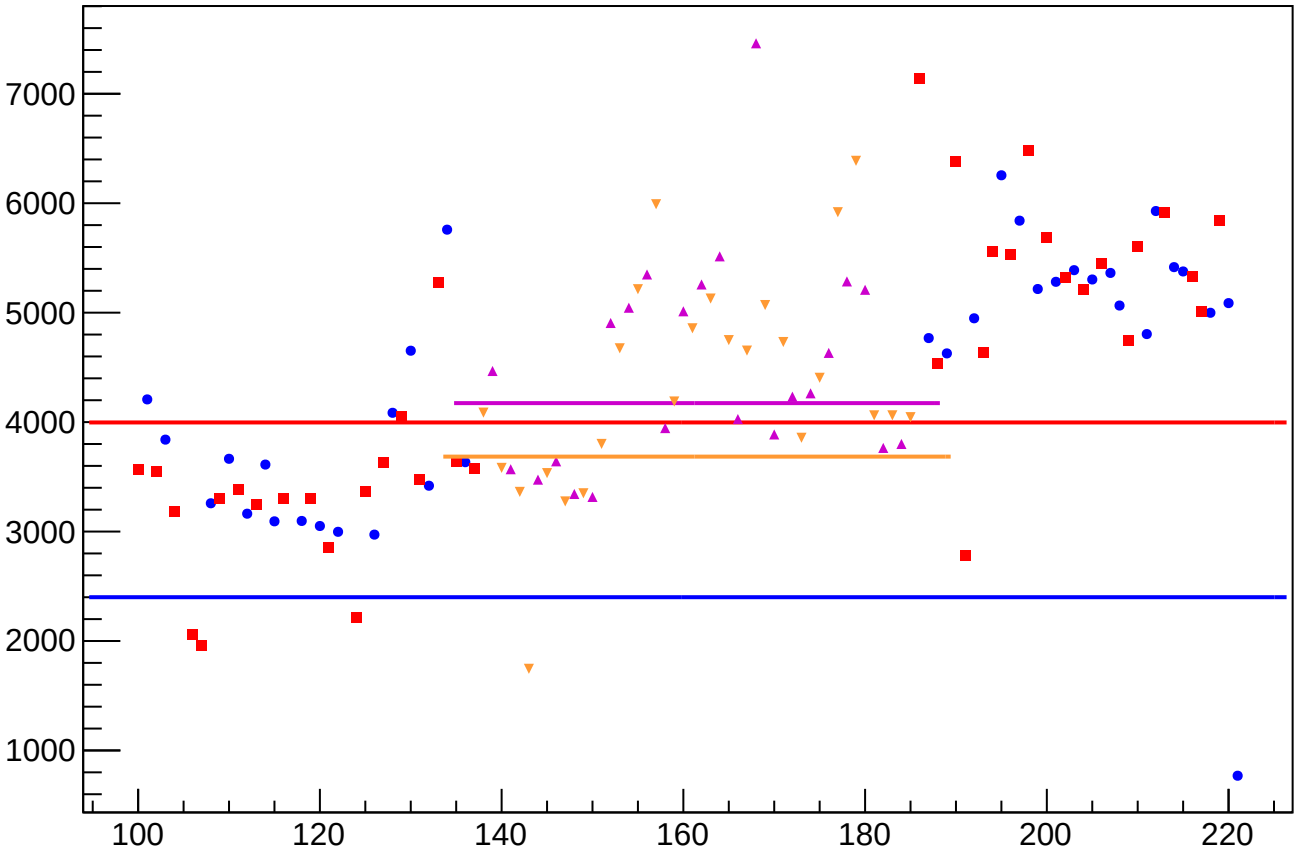
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -295.555+/-414.914 χ^2/NDF: 129.0/118

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug
7000
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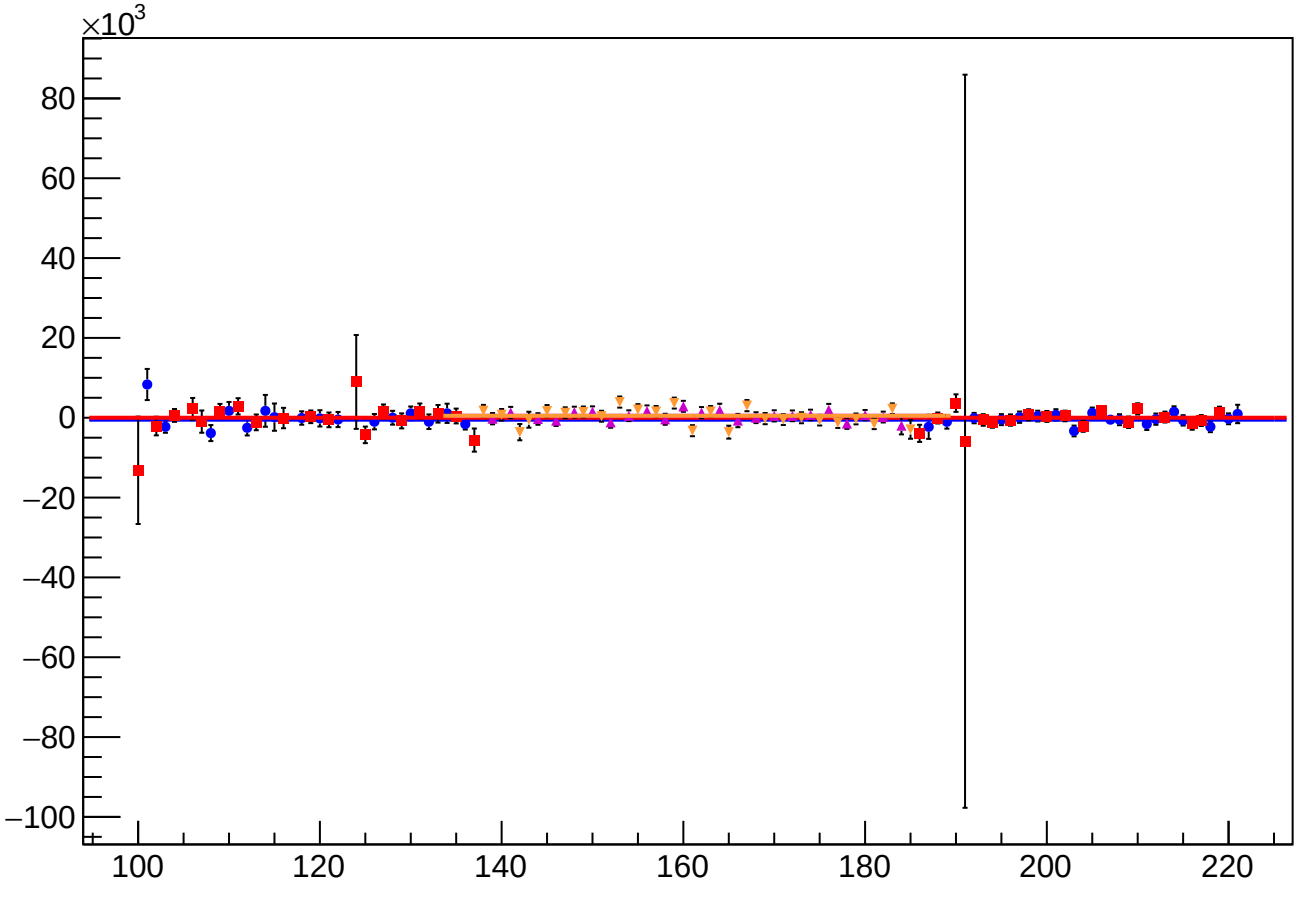
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3996.873+/-0.643 χ²/NDF: 3797224.6/36
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 2855.295+/-0.373 χ²/NDF: 23056360.4/58
All: 3321.667+/-0.293 χ²/NDF: 32257054.0/1
- sign 4077.317+/-0.475 χ²/NDF: 5106515.0/59



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

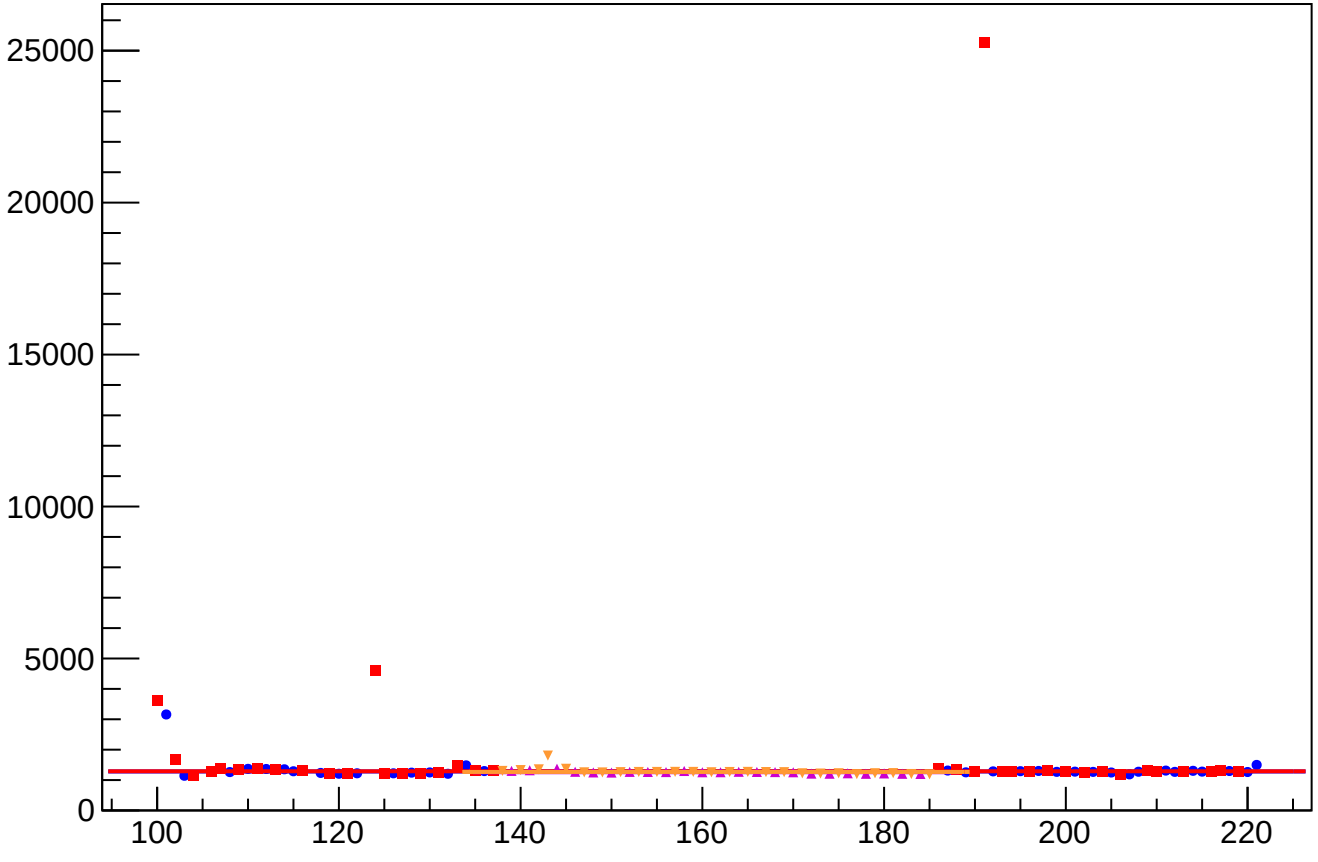
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.545+/-142.756 χ^2/NDF: 130.0/118

\- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

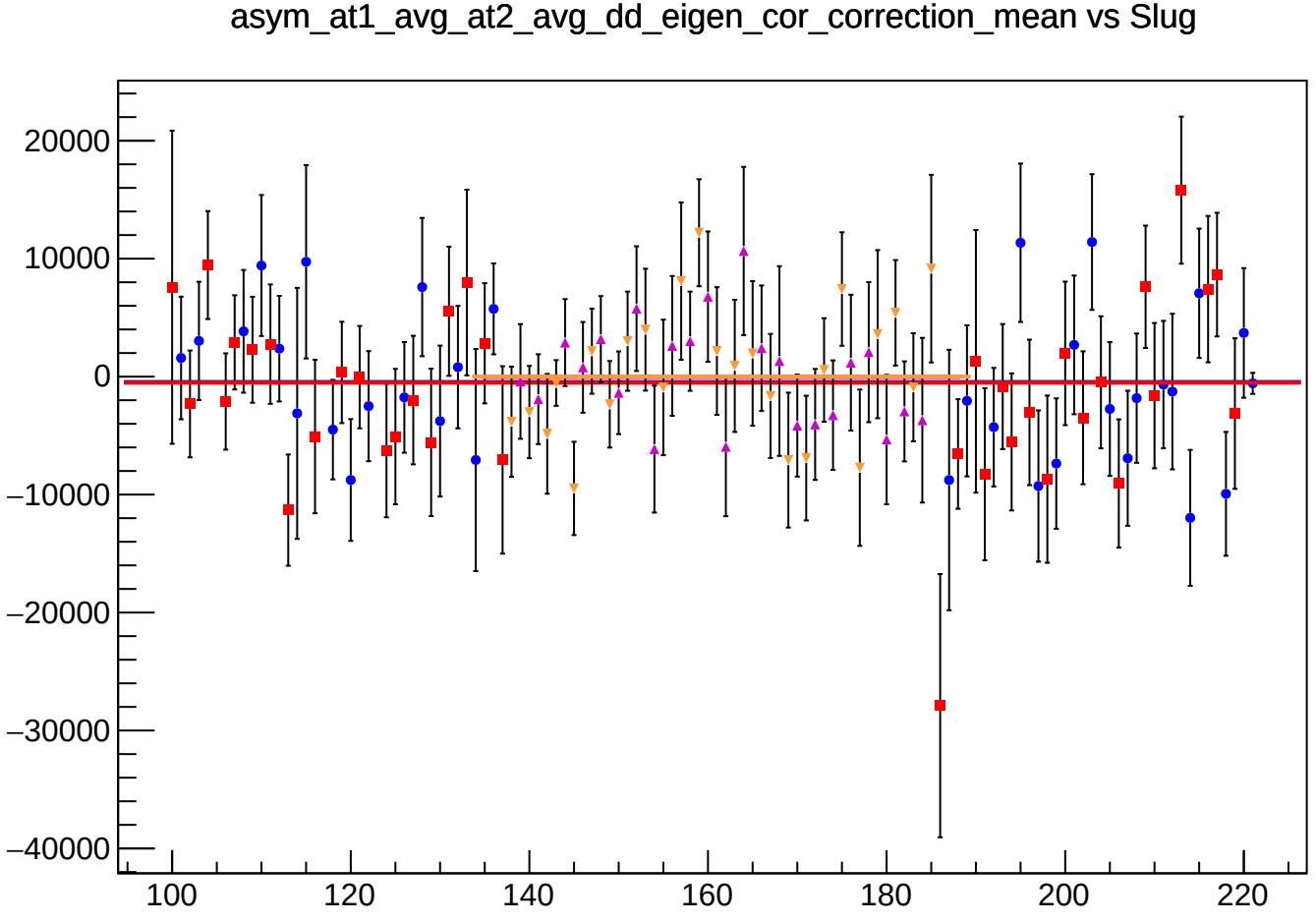
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

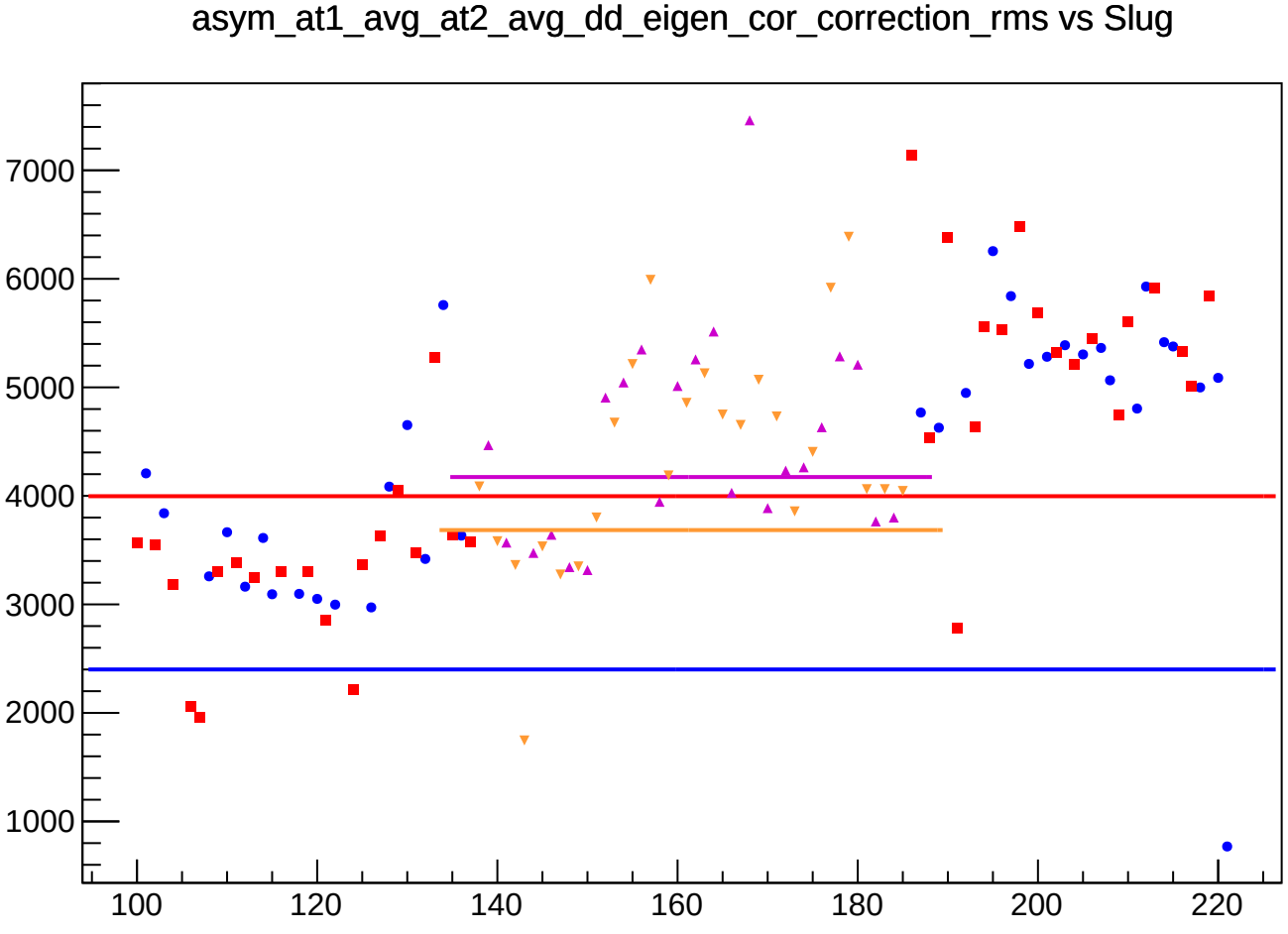
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -295.555+/-414.914 χ^2/NDF: 129.0/118

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug
7000
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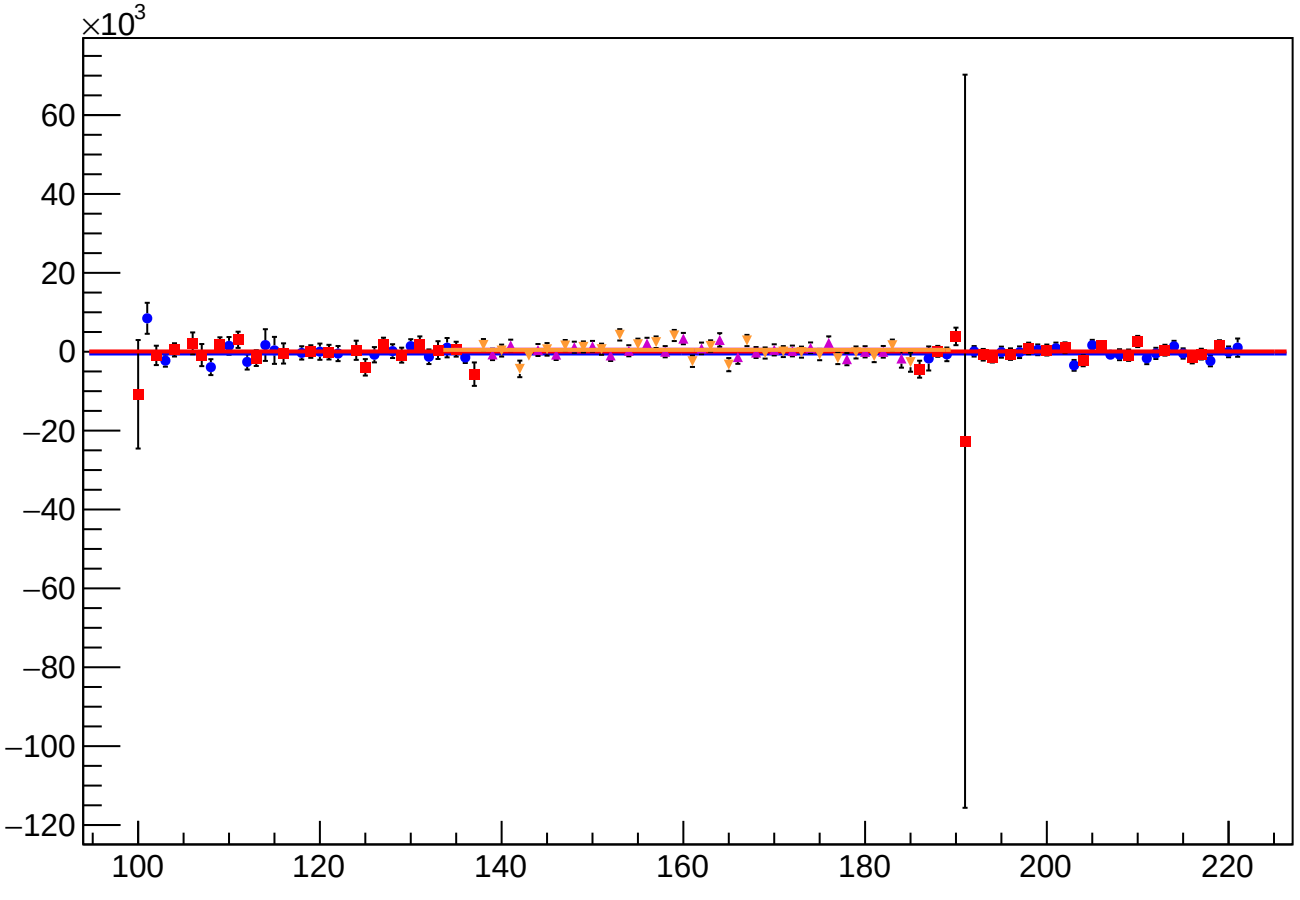
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3996.873+/-0.643 χ²/NDF: 3797224.6/36
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 2855.295+/-0.373 χ²/NDF: 23056360.4/58
All: 3321.667+/-0.293 χ²/NDF: 32257054.0/1
- sign 4077.317+/-0.475 χ²/NDF: 5106515.0/59



Right In: -448.114+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.239+/-284.065 χ^2/NDF: 35.1/36

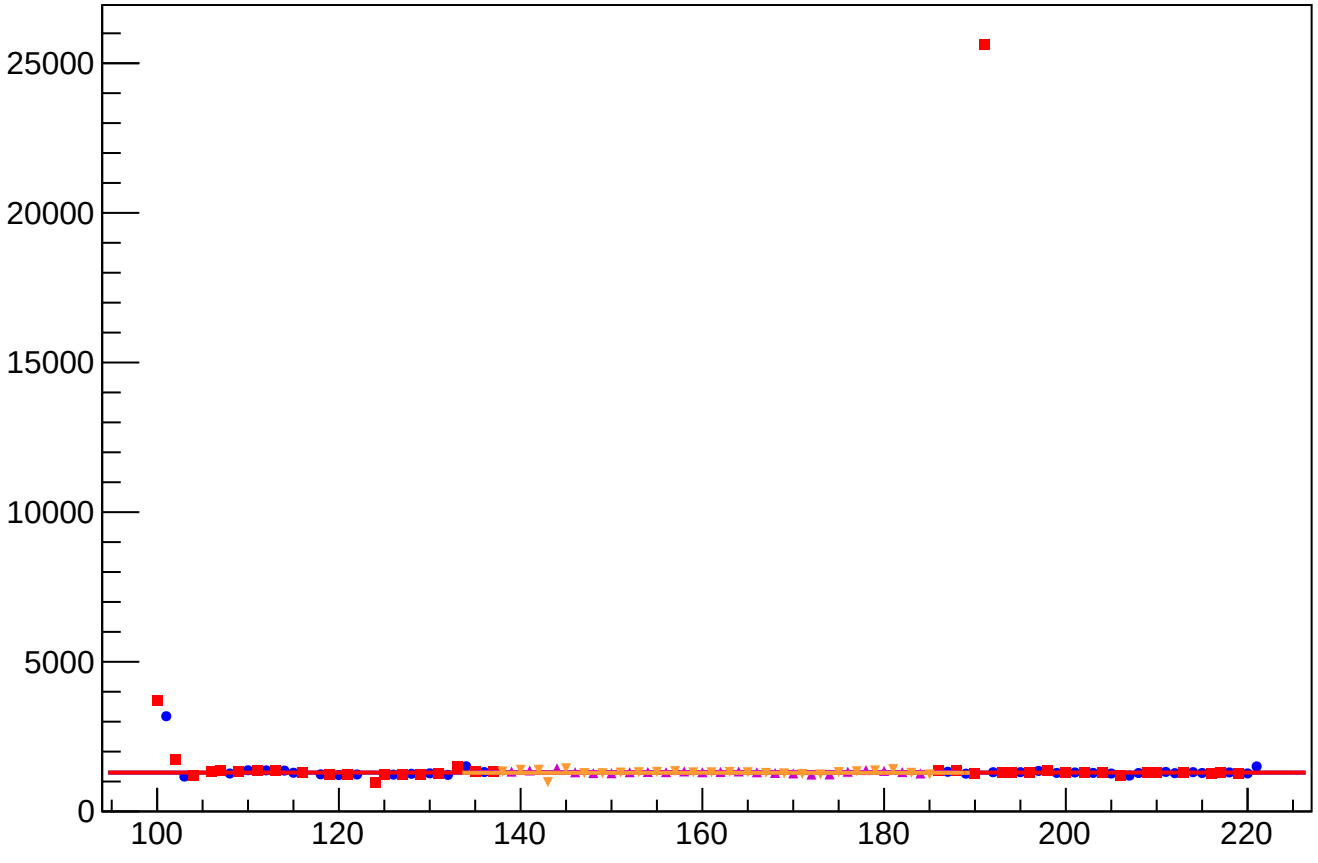
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -9.940+/-203.513 χ^2/NDF: 77.2/58

All: 125.613+/-145.643 χ^2/NDF: 131.8/118

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.8/33

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

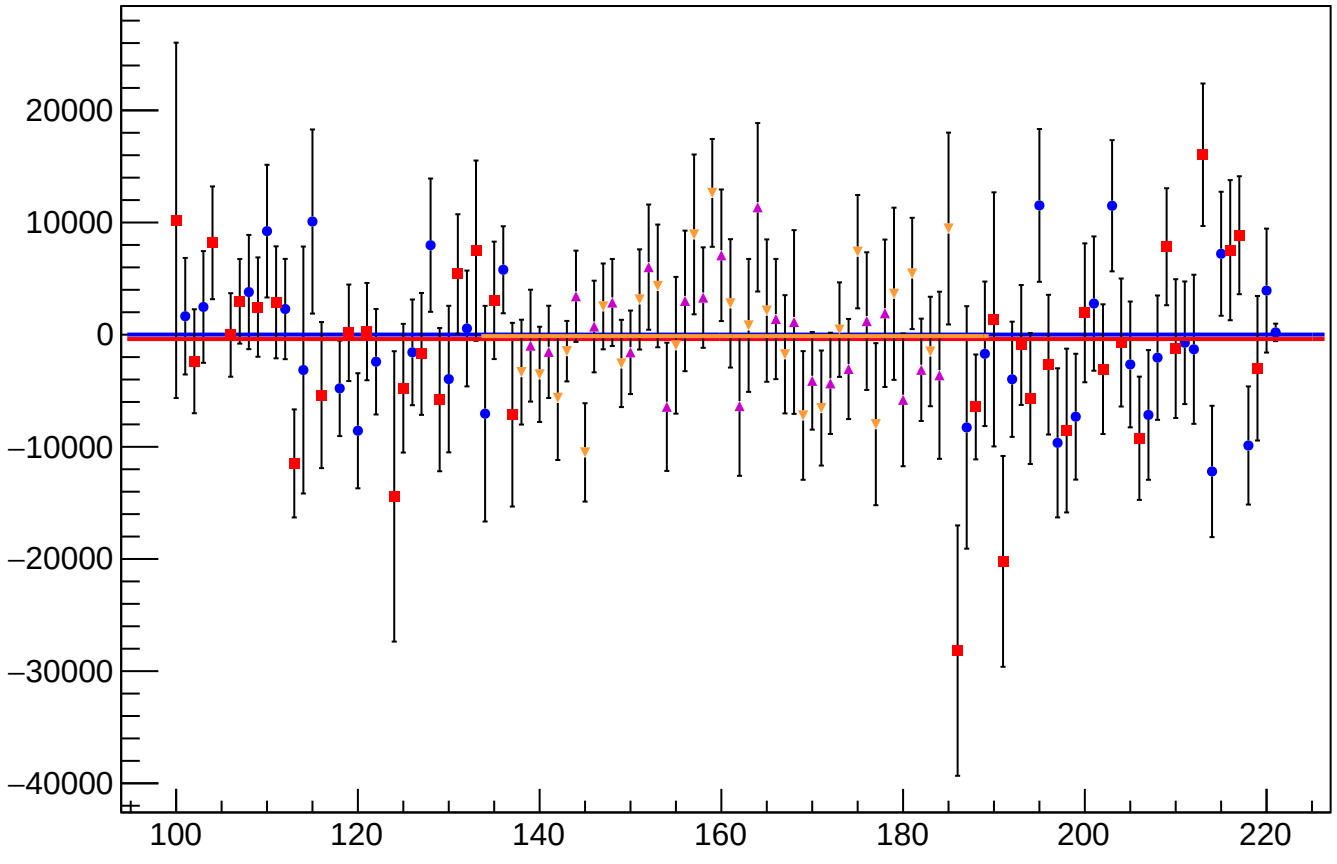
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.351+/-0.144 χ^2/NDF: 778438.5/58

All: 1300.139+/-0.103 χ^2/NDF: 1206622.8/11

- sign 1306.213+/-0.147 χ^2/NDF: 424869.1/59



Right In: 8.316+/-607.722 χ^2/NDF: 38.6/33

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

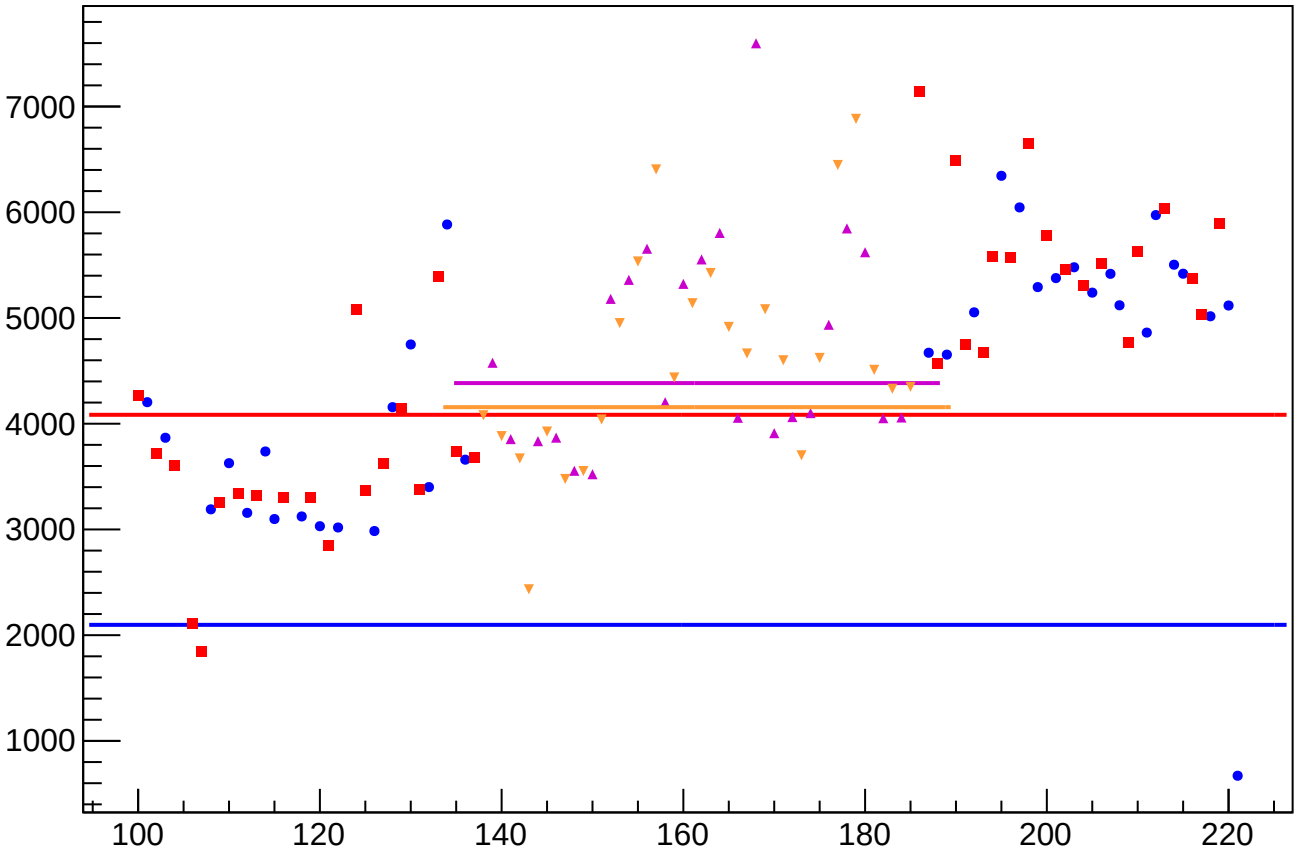
Right Out: -389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -29.498+/-516.069 χ^2/NDF: 67.2/58

All: -122.000+/-413.835 χ^2/NDF: 129.6/118

- sign -288.637+/-692.656 χ^2/NDF: 62.3/59


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug
7000
6000
5000
4000
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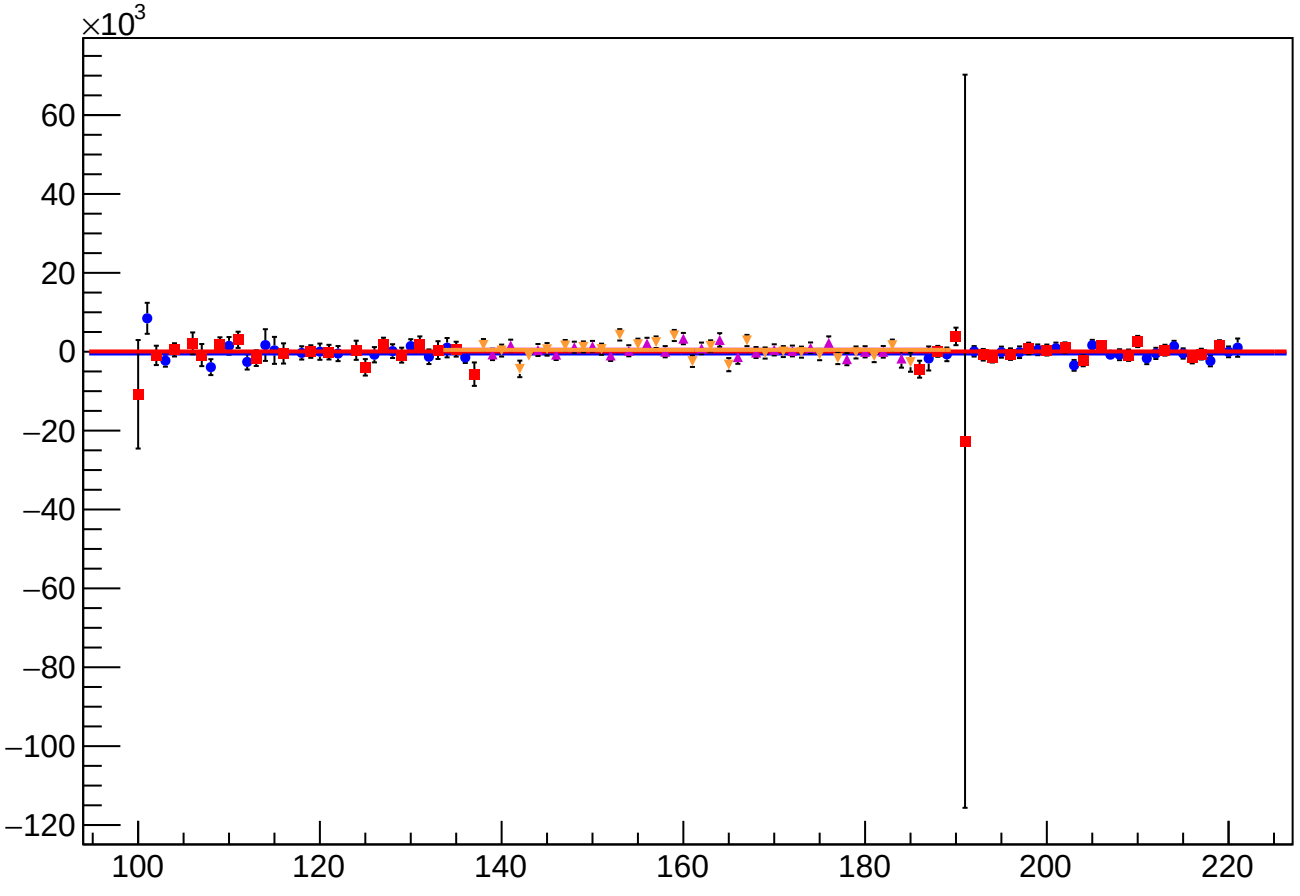
2000
1000
100
120
140
160
180
200
220
Right In: 2097.688+/-0.430 χ²/NDF: 19570960.5/33
Left Out: 4156.582+/-0.691 χ²/NDF:2080766.1/24
Right Out: 4084.304+/-0.654 χ²/NDF: 3814574.7/36
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
+ sign 2671.879+/-0.365 χ²/NDF: 28053632.9/58
All: 3223.063+/-0.293 χ²/NDF: 39607372.1/1
- sign 4215.986+/-0.490 χ²/NDF: 5162451.5/59



Right In: -448.112+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.240+/-284.065 χ^2/NDF: 35.1/36

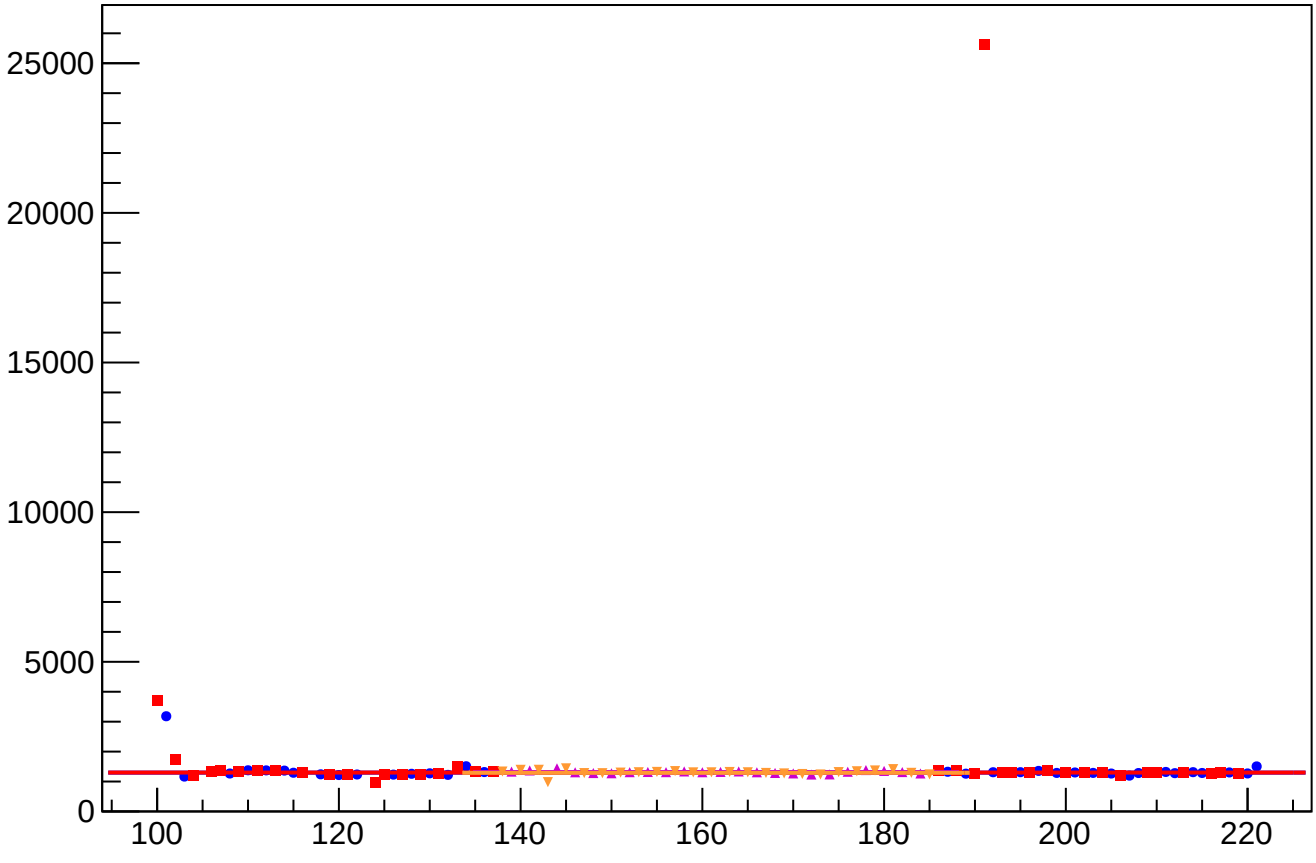
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign -9.937+/-203.513 χ^2/NDF: 77.2/58

All: 125.614+/-145.643 χ^2/NDF: 131.8/118

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.9/33

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

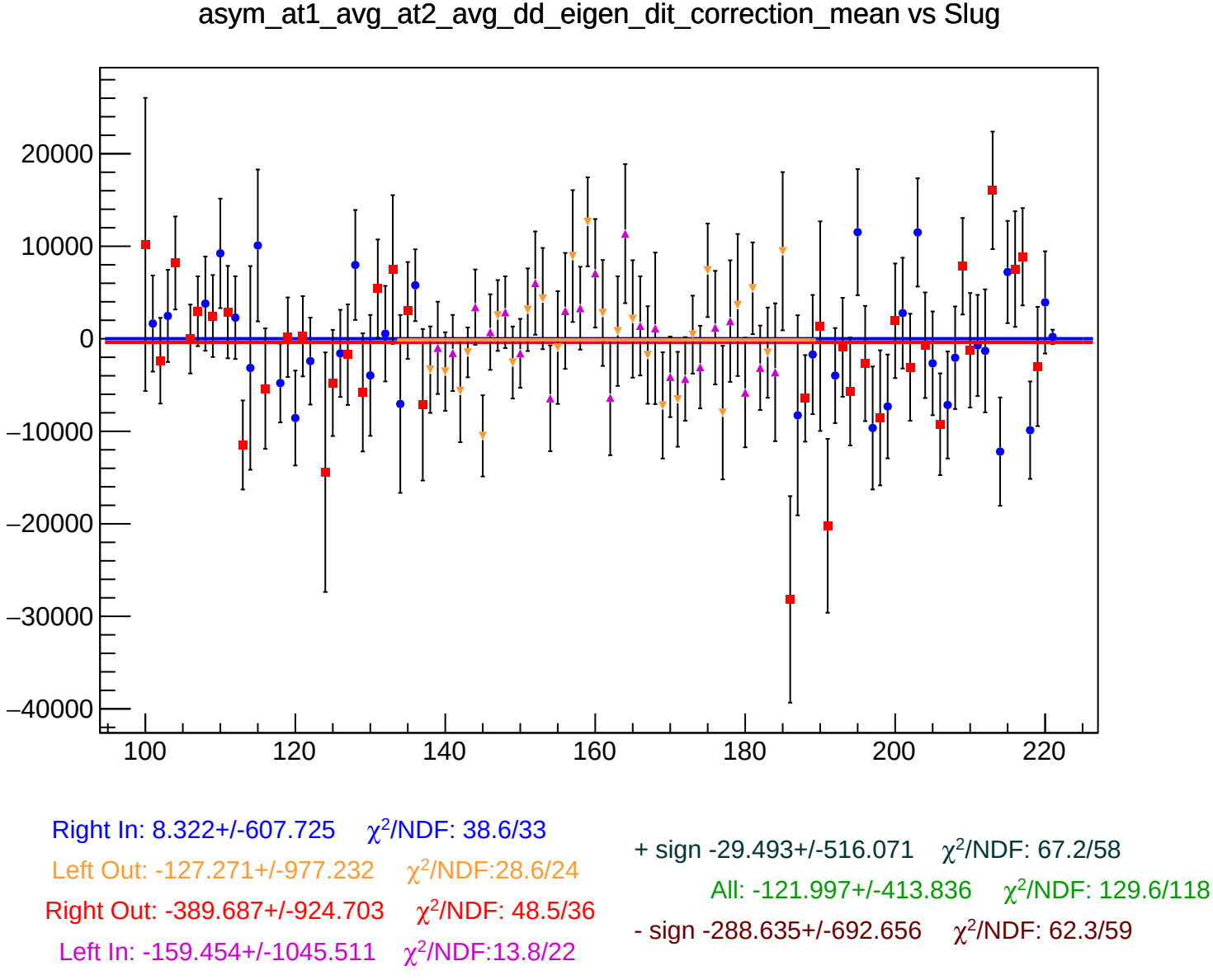
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

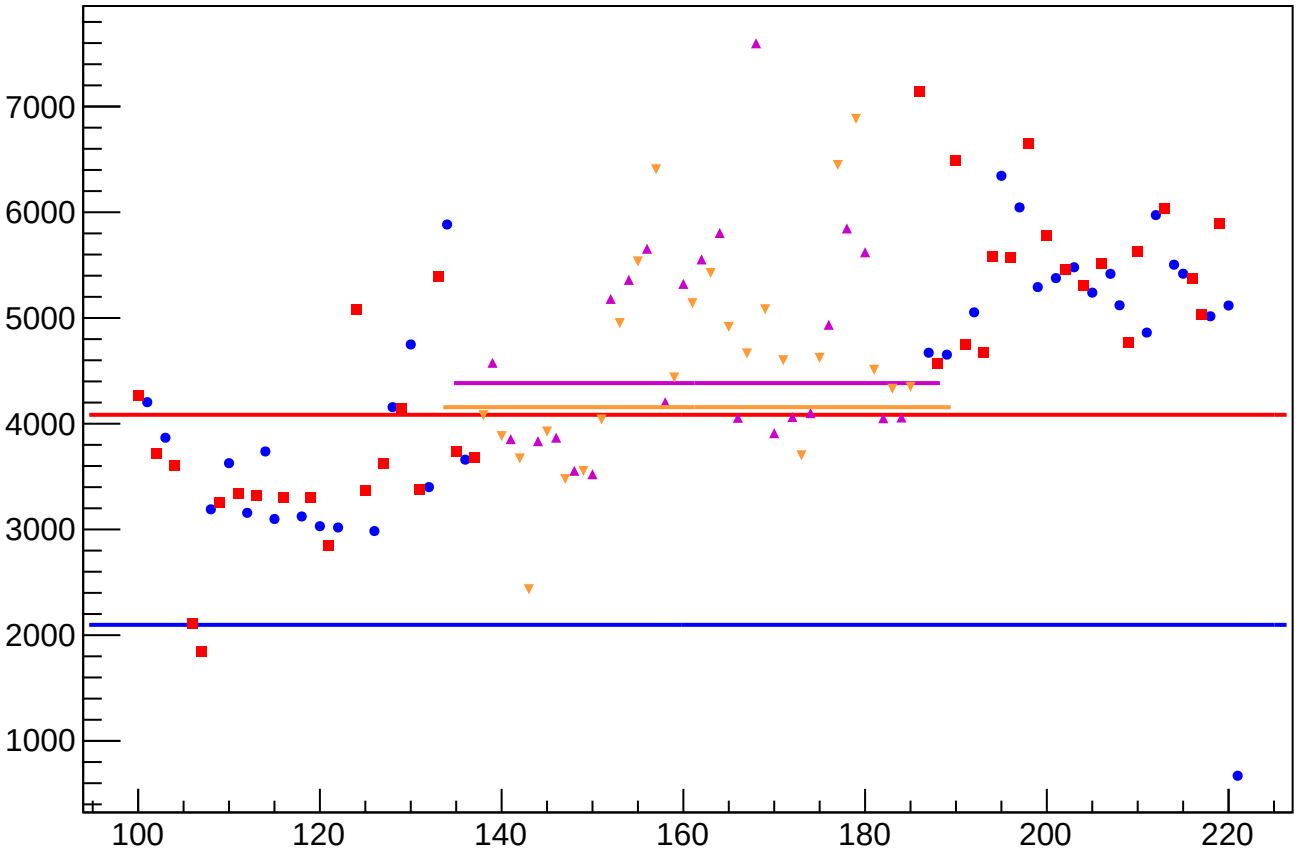
Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.352+/-0.144 χ^2/NDF: 778440.9/58

All: 1300.139+/-0.103 χ^2/NDF: 1206627.9/11

- sign 1306.214+/-0.147 χ^2/NDF: 424871.7/59


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 8.322+/-607.725 χ²/NDF: 38.6/33
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: -389.687+/-924.703 χ²/NDF: 48.5/36
Left In: -159.454+/-1045.511 χ²/NDF:13.8/22
+ sign -29.493+/-516.071 χ²/NDF: 67.2/58
All: -121.997+/-413.836 χ²/NDF: 129.6/118
- sign -288.635+/-692.656 χ²/NDF: 62.3/59



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

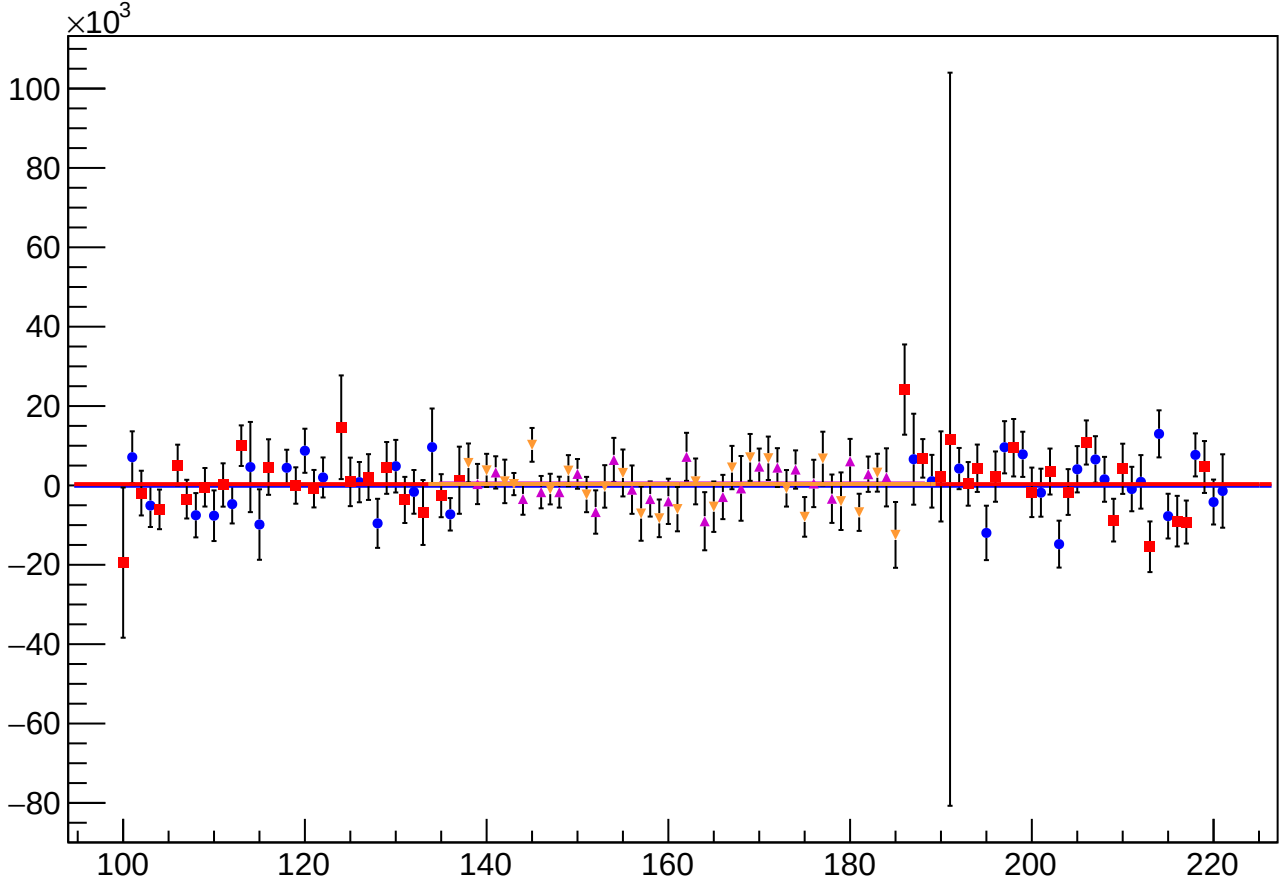
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 2671.895+/-0.365 χ^2/NDF: 28053382.8/58

All: 3223.076+/-0.293 χ^2/NDF: 39607011.6/1

- sign 4215.986+/-0.490 χ^2/NDF: 5162501.6/59

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF: 39.1/36

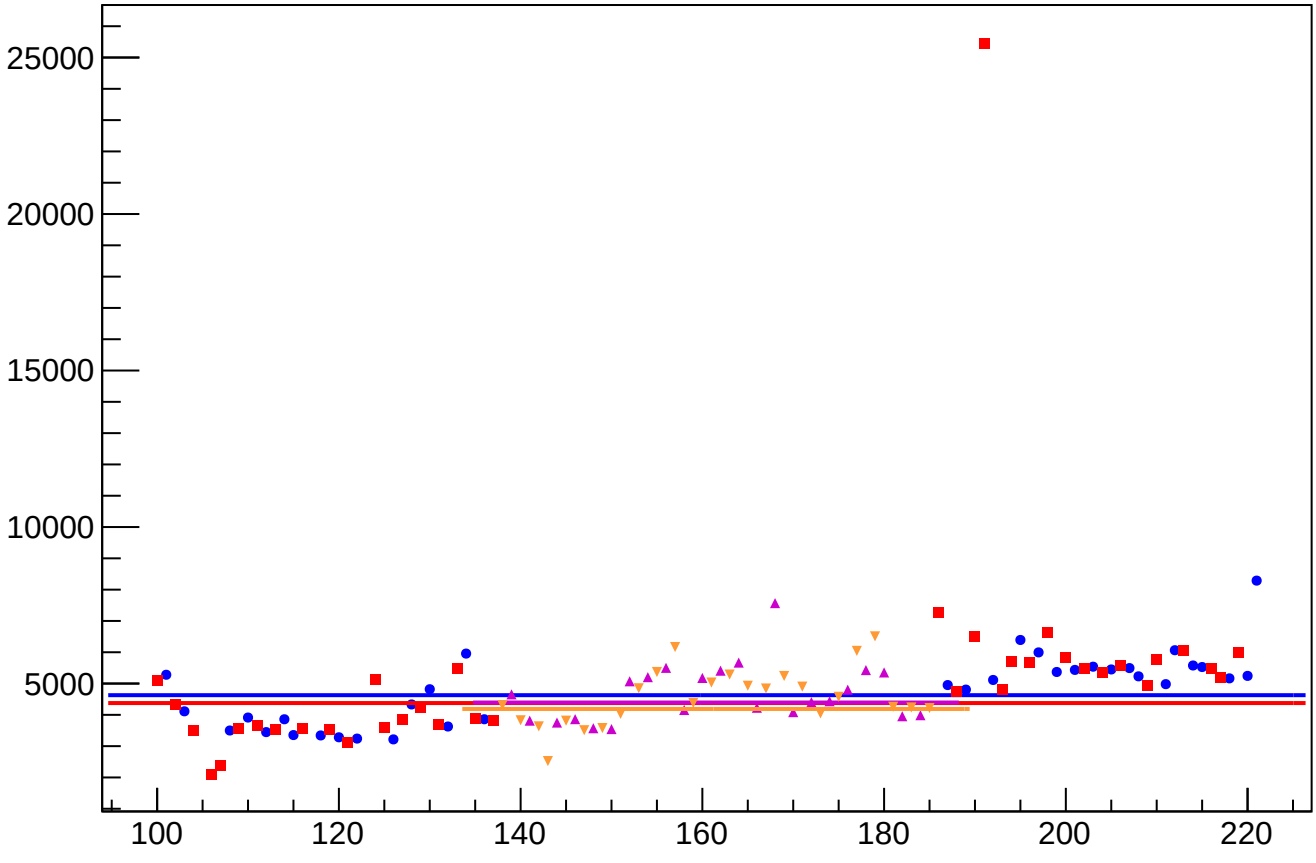
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 147.068+/-705.641 χ^2/NDF: 71.7/58

All: 275.813+/-504.306 χ^2/NDF: 124.8/118

- sign 410.223+/-721.002 χ^2/NDF: 53.0/59

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4628.356+/-0.719 χ^2/NDF: 2095028.5/33

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

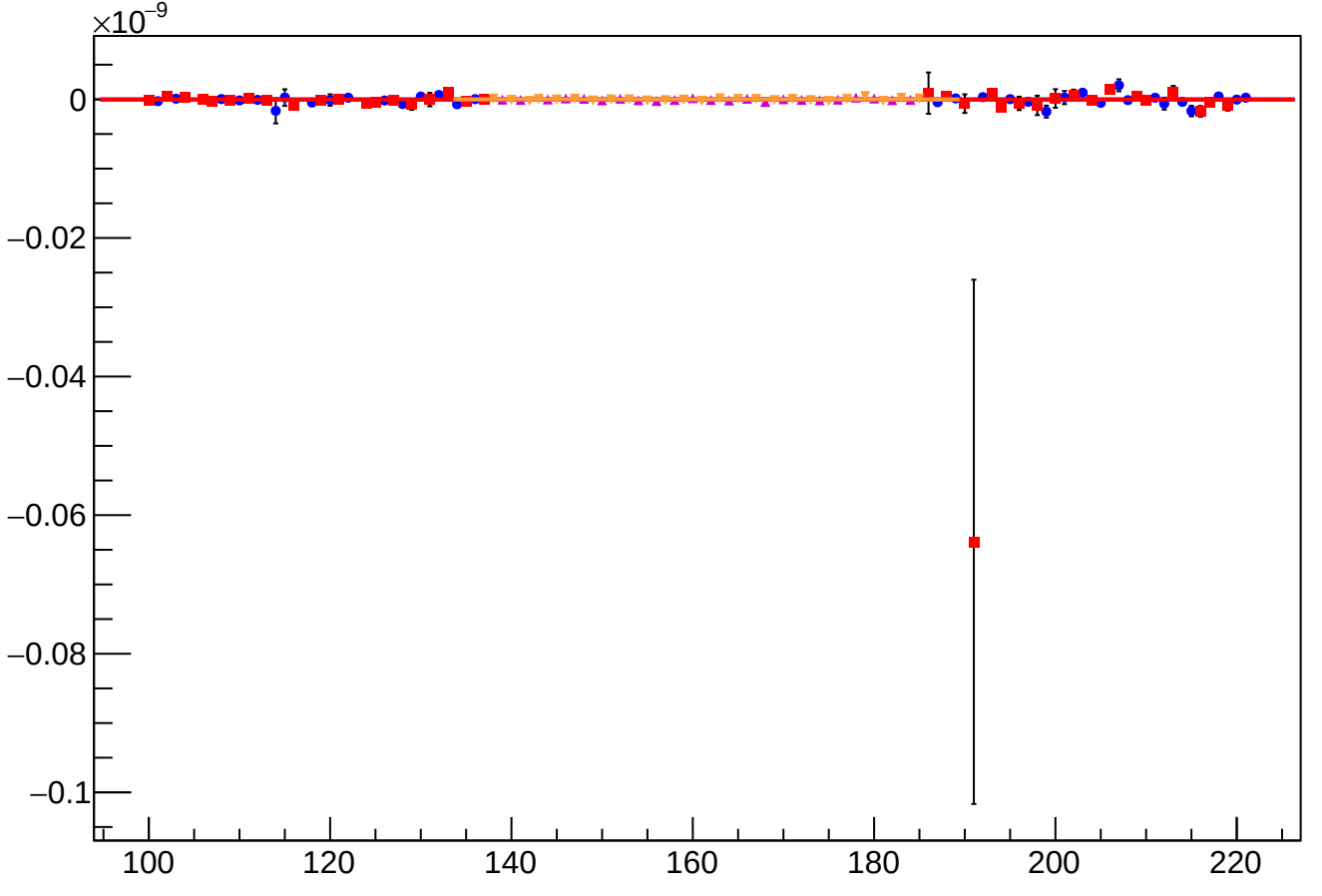
Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4399.906+/-0.499 χ^2/NDF: 4085959.8/58

All: 4392.617+/-0.356 χ^2/NDF: 8189669.5/11

- sign 4385.069+/-0.508 χ^2/NDF: 4103275.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

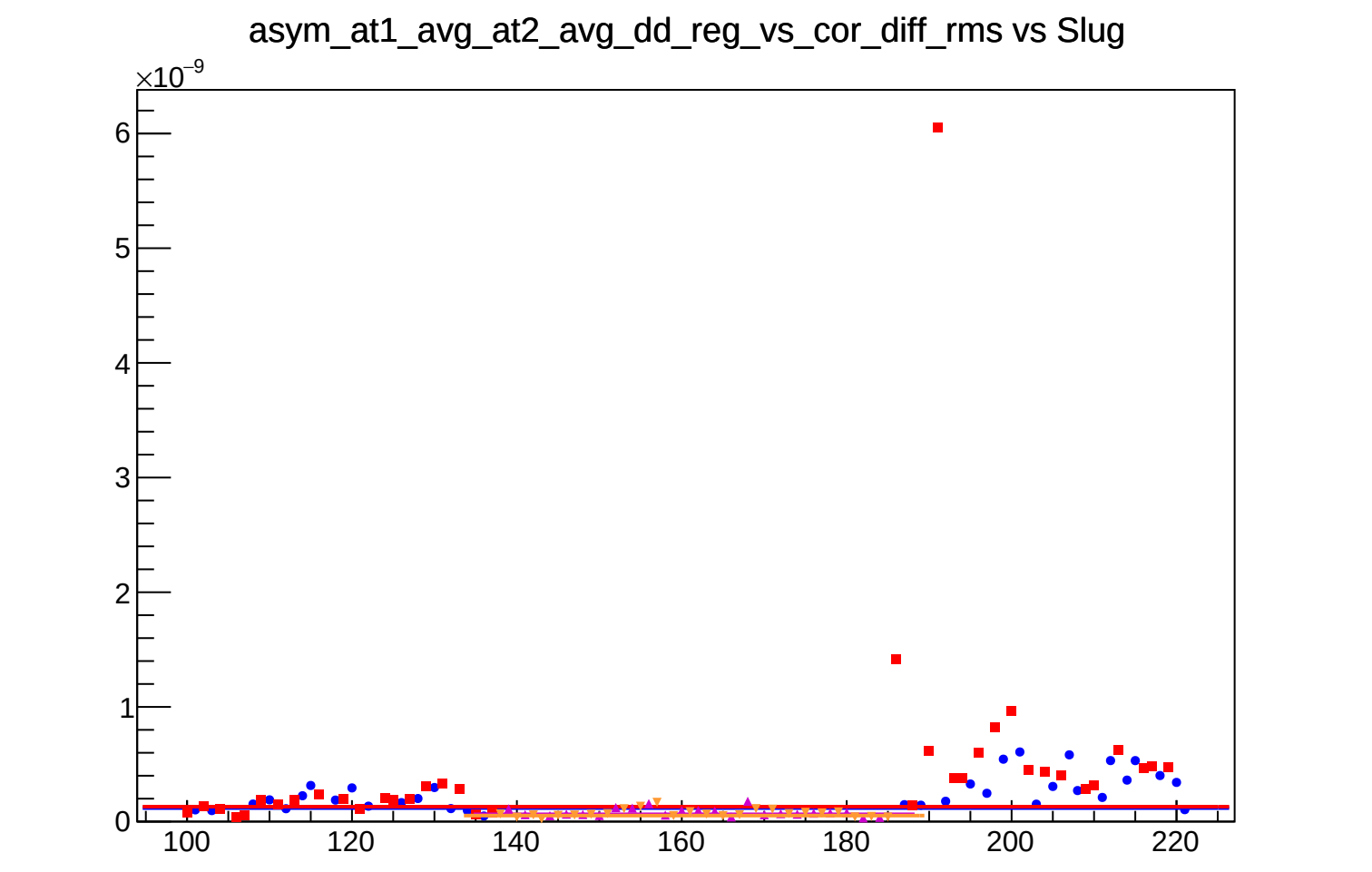
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/58

All: -0.000+/-0.000 χ^2/NDF: 131.5/118

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 6580280.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

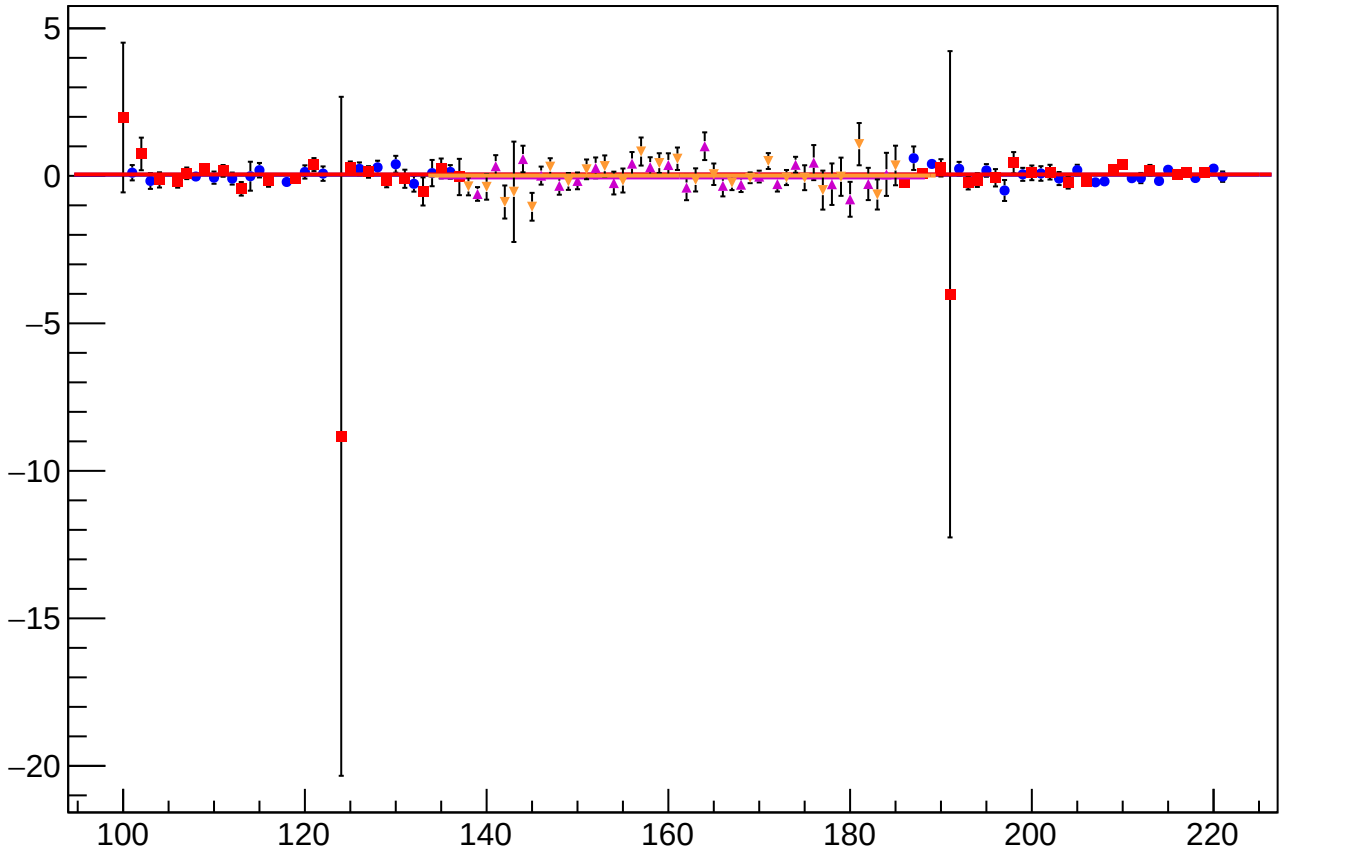
Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11897111.4/58

All: 0.000+/-0.000 χ^2/NDF: 24807649.4/118

- sign 0.000+/-0.000 χ^2/NDF: 12634307.7/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

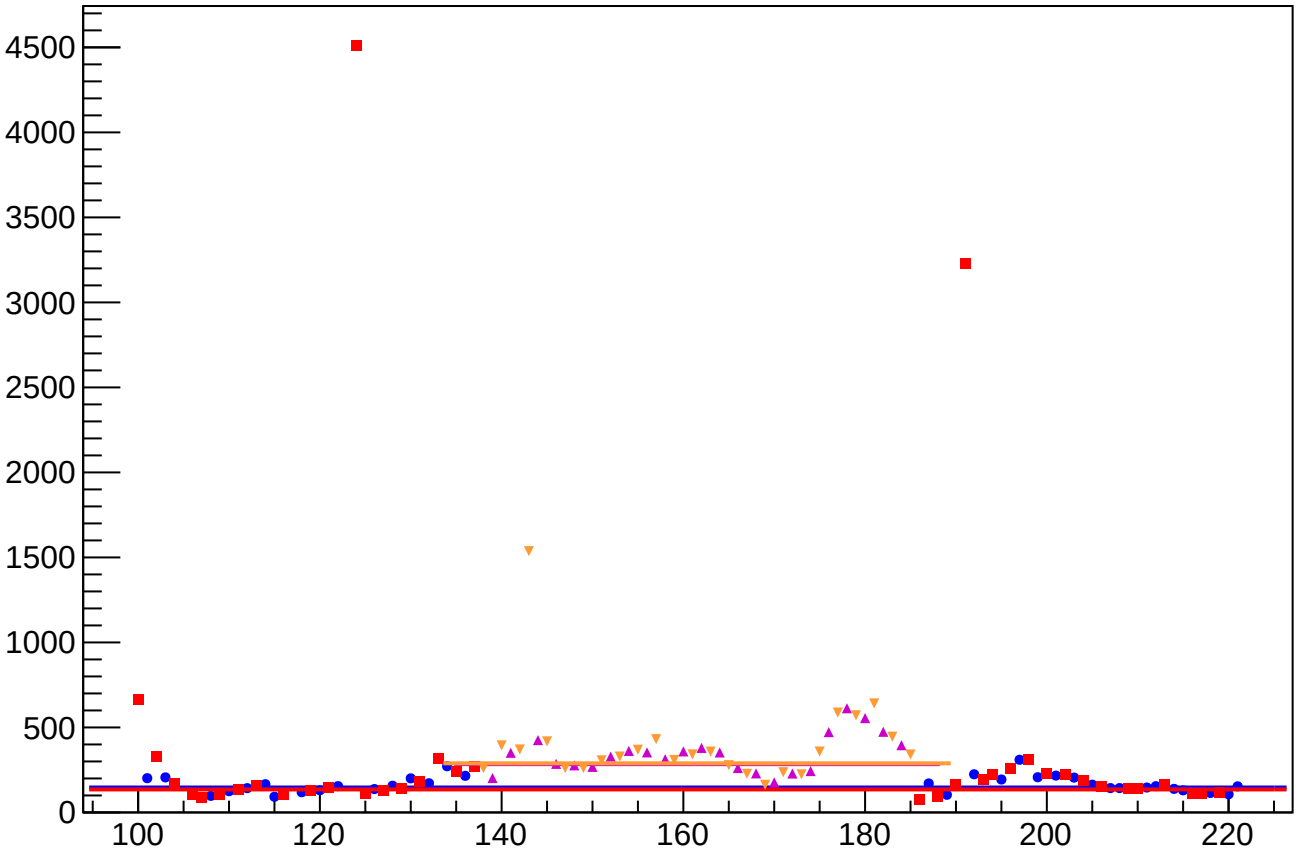
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

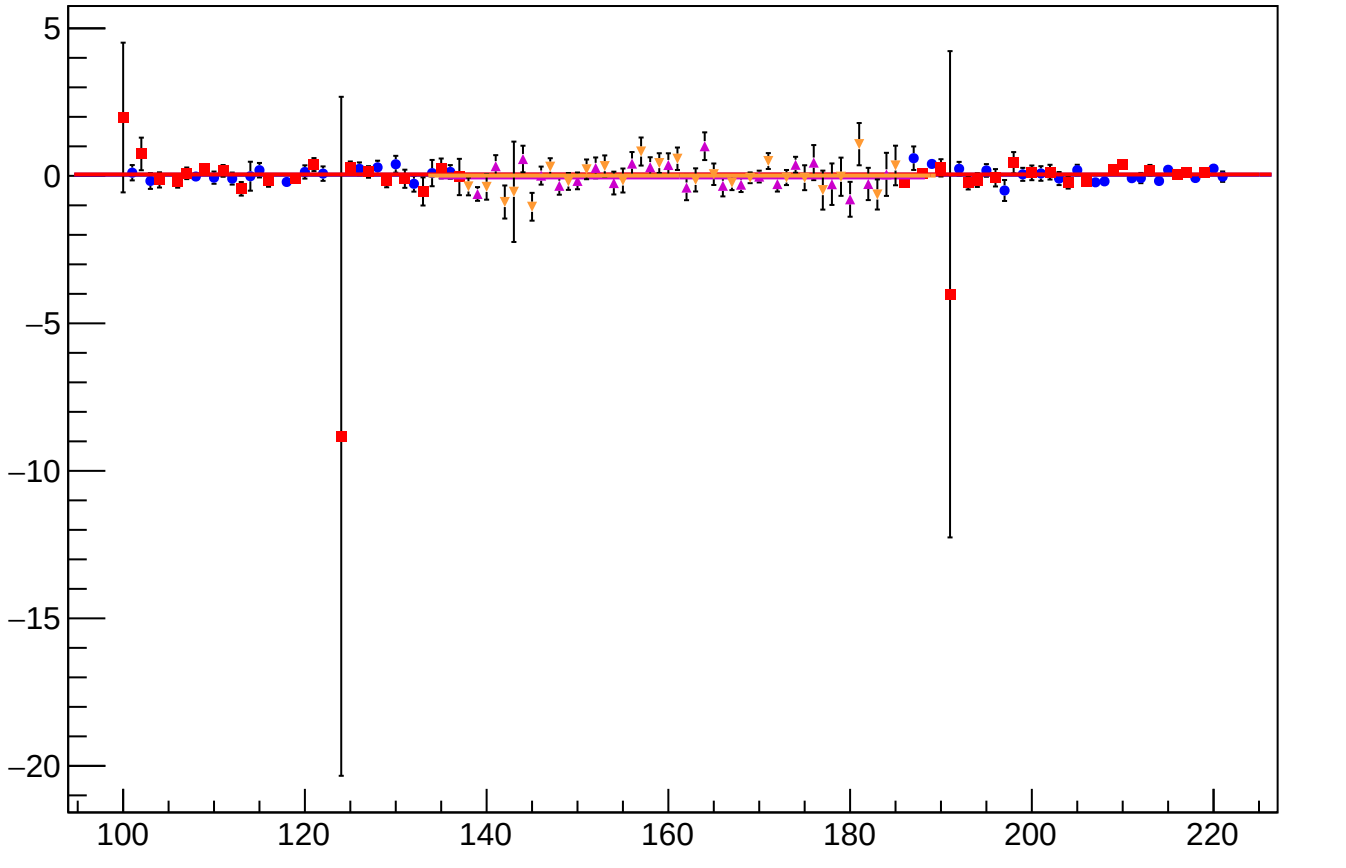
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 146.699+/-0.023 χ²/NDF: 2786151.2/33
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 135.355+/-0.023 χ²/NDF: 4934682.1/36
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 172.105+/-0.021 χ²/NDF: 14022479.3/58
All: 166.386+/-0.015 χ²/NDF: 29573288.7/11
- sign 160.971+/-0.021 χ²/NDF: 15409459.6/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

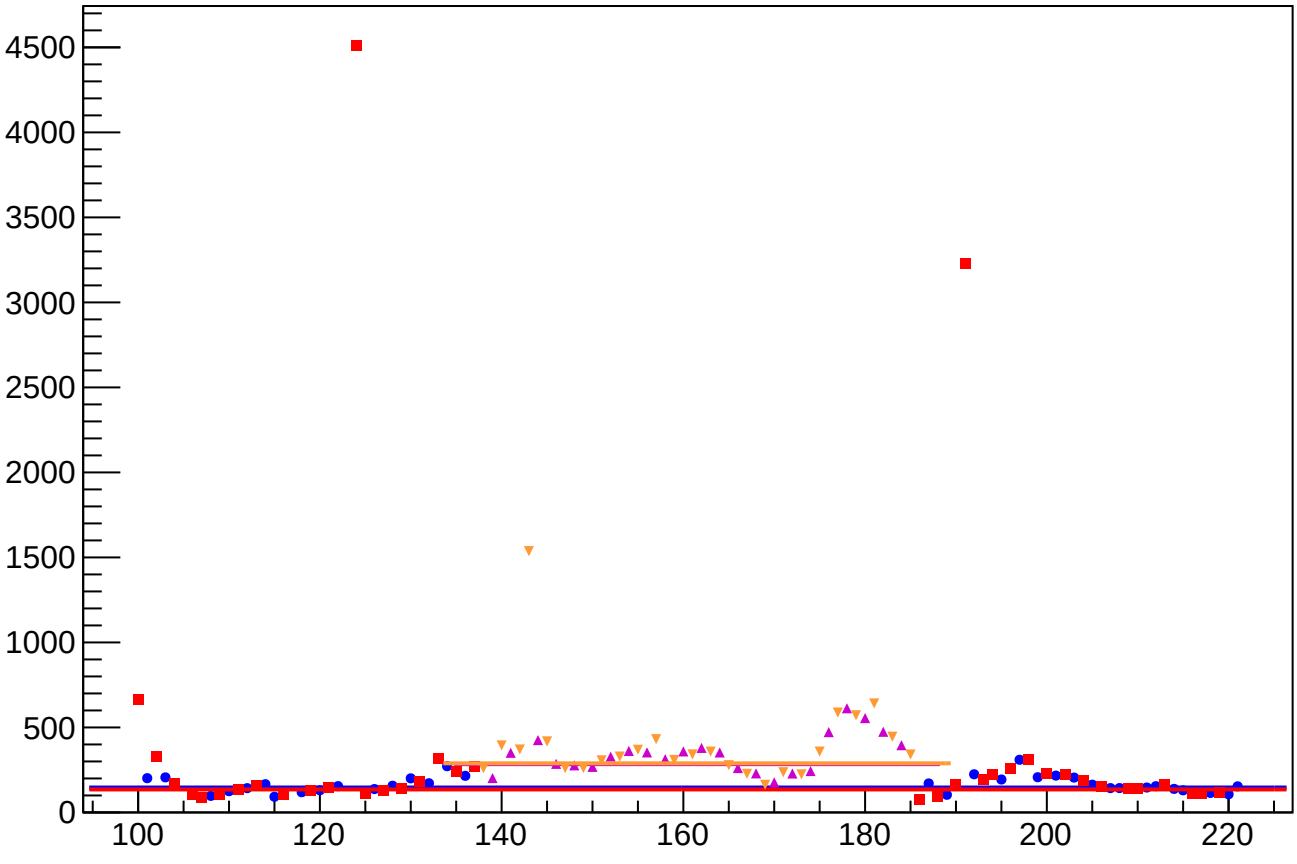
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.699+/-0.023 χ^2/NDF: 2786151.2/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

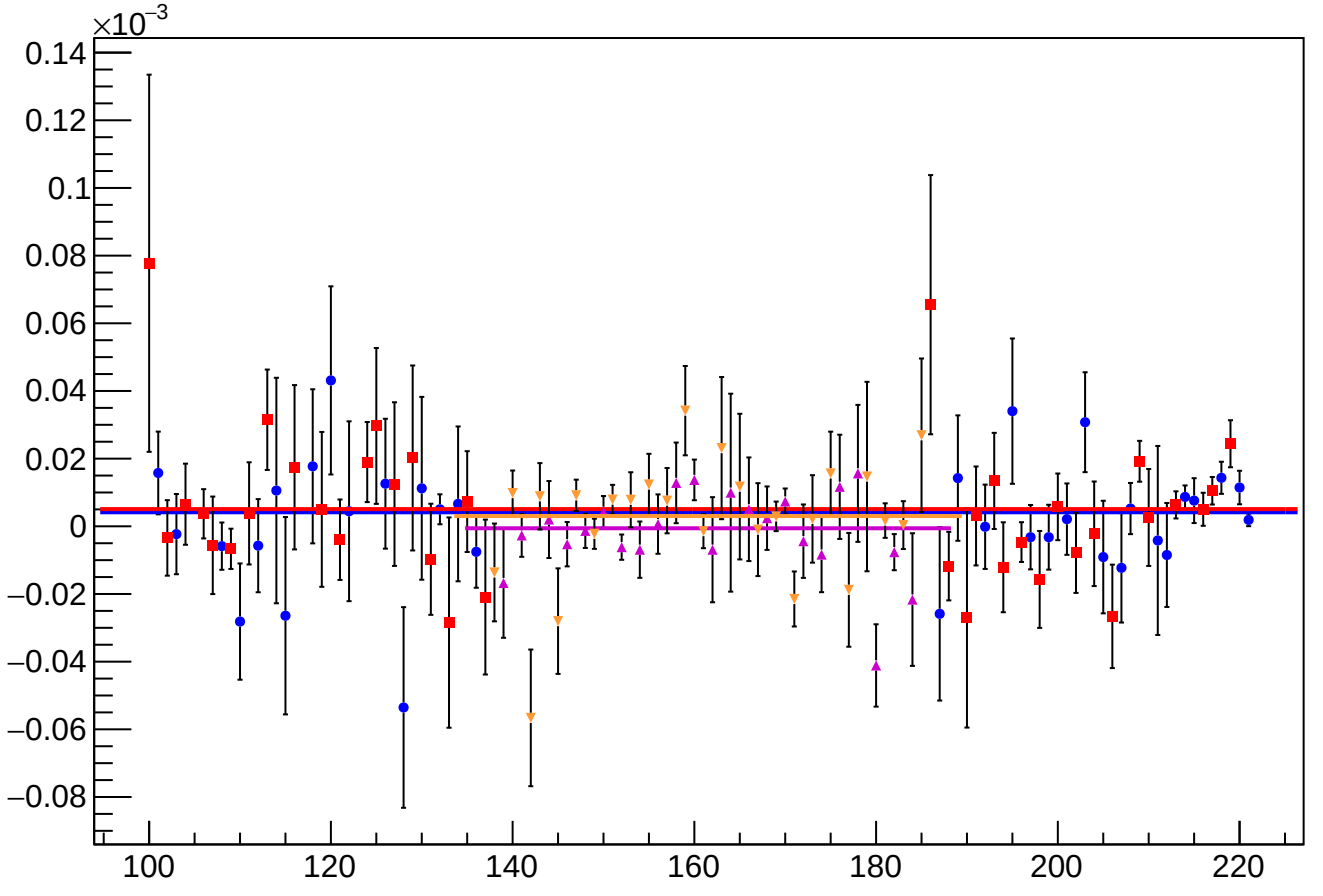
Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.105+/-0.021 χ^2/NDF: 14022479.3/58

All: 166.386+/-0.015 χ^2/NDF: 29573288.7/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

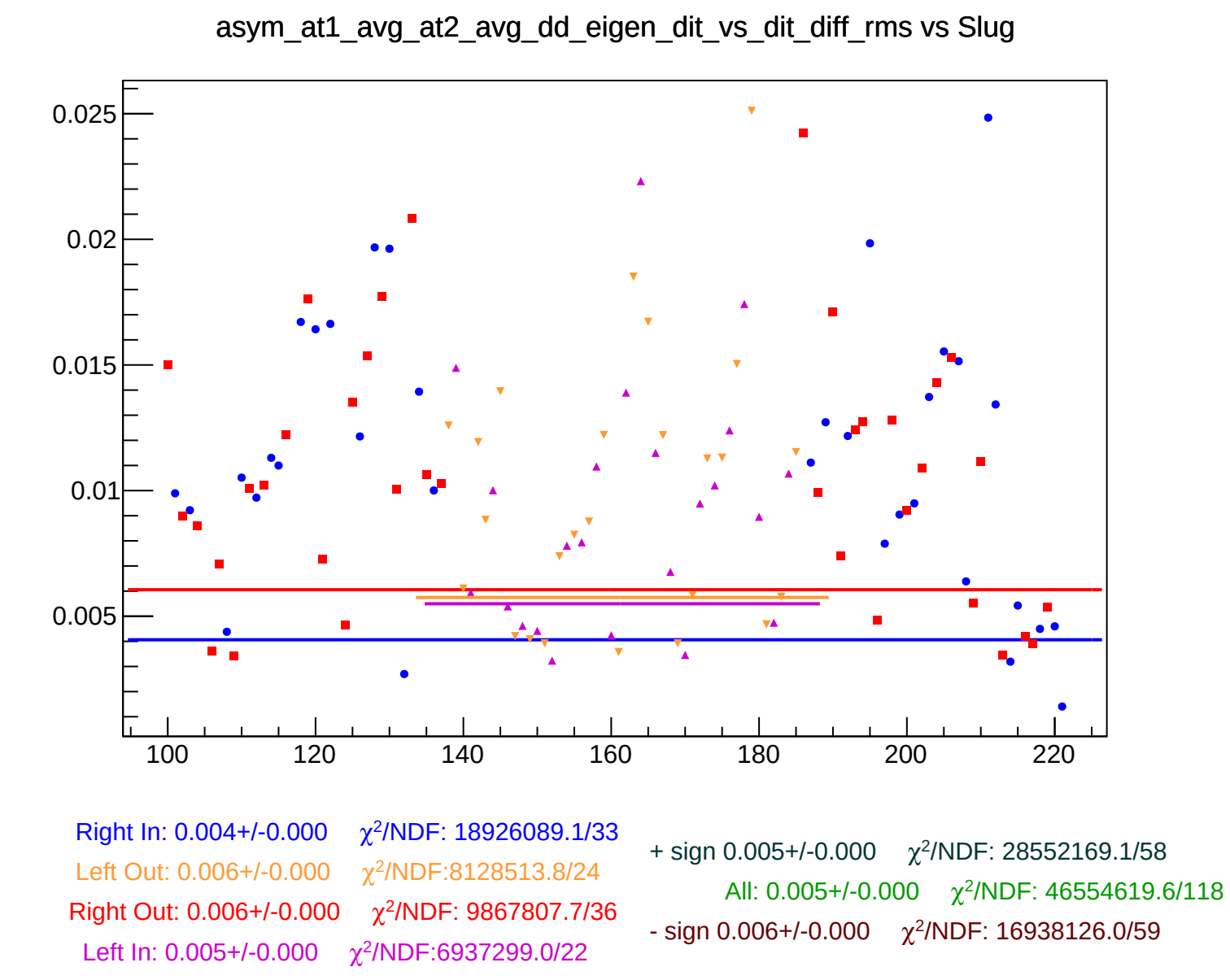
Right Out: 0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.6/58

All: 0.000+/-0.000 χ^2/NDF: 171.6/118

- sign 0.000+/-0.000 χ^2/NDF: 90.9/59


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
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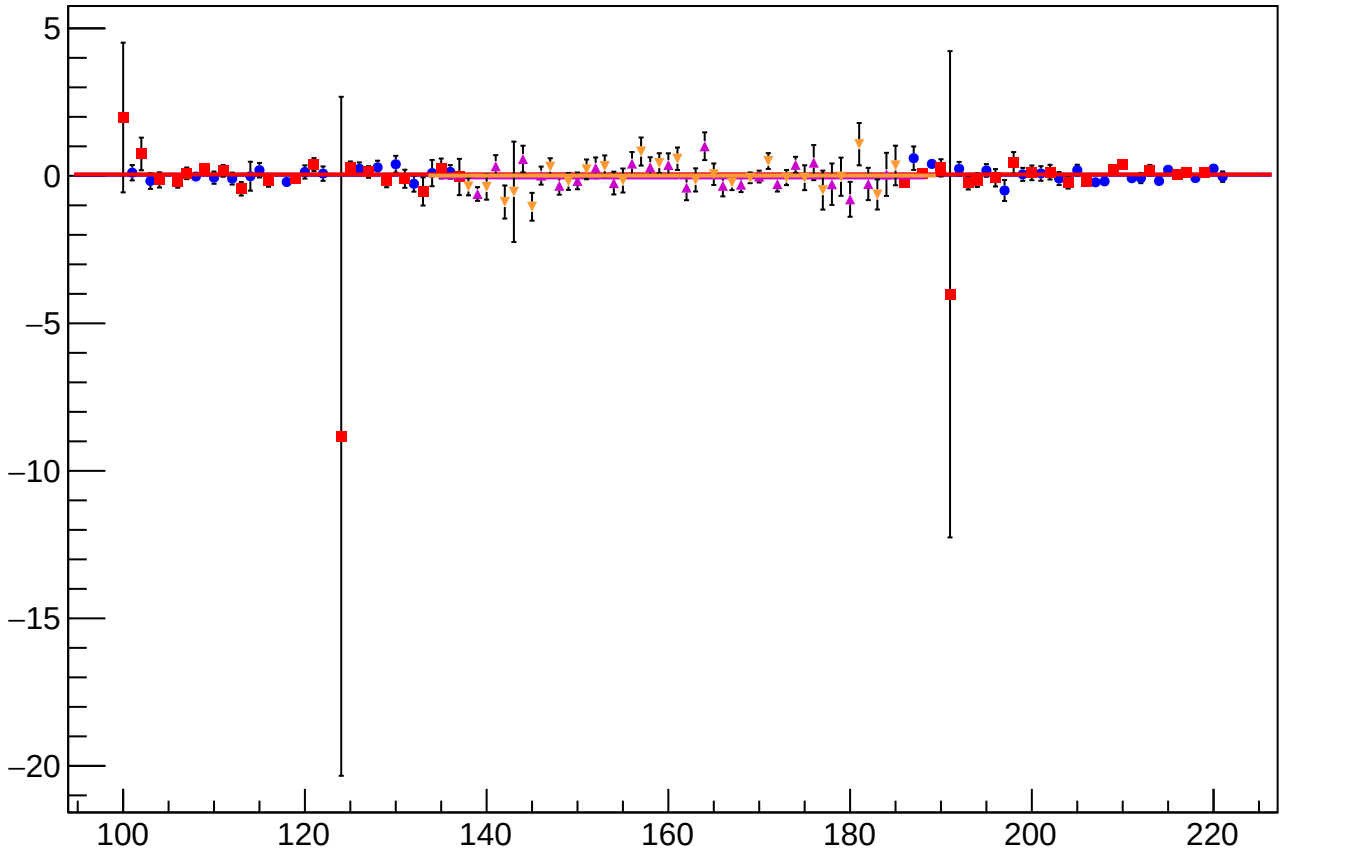
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.004+/-0.000 χ²/NDF: 18926089.1/33
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.006+/-0.000 χ²/NDF: 9867807.7/36
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.005+/-0.000 χ²/NDF: 28552169.1/58
All: 0.005+/-0.000 χ²/NDF: 46554619.6/118
- sign 0.006+/-0.000 χ²/NDF: 16938126.0/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

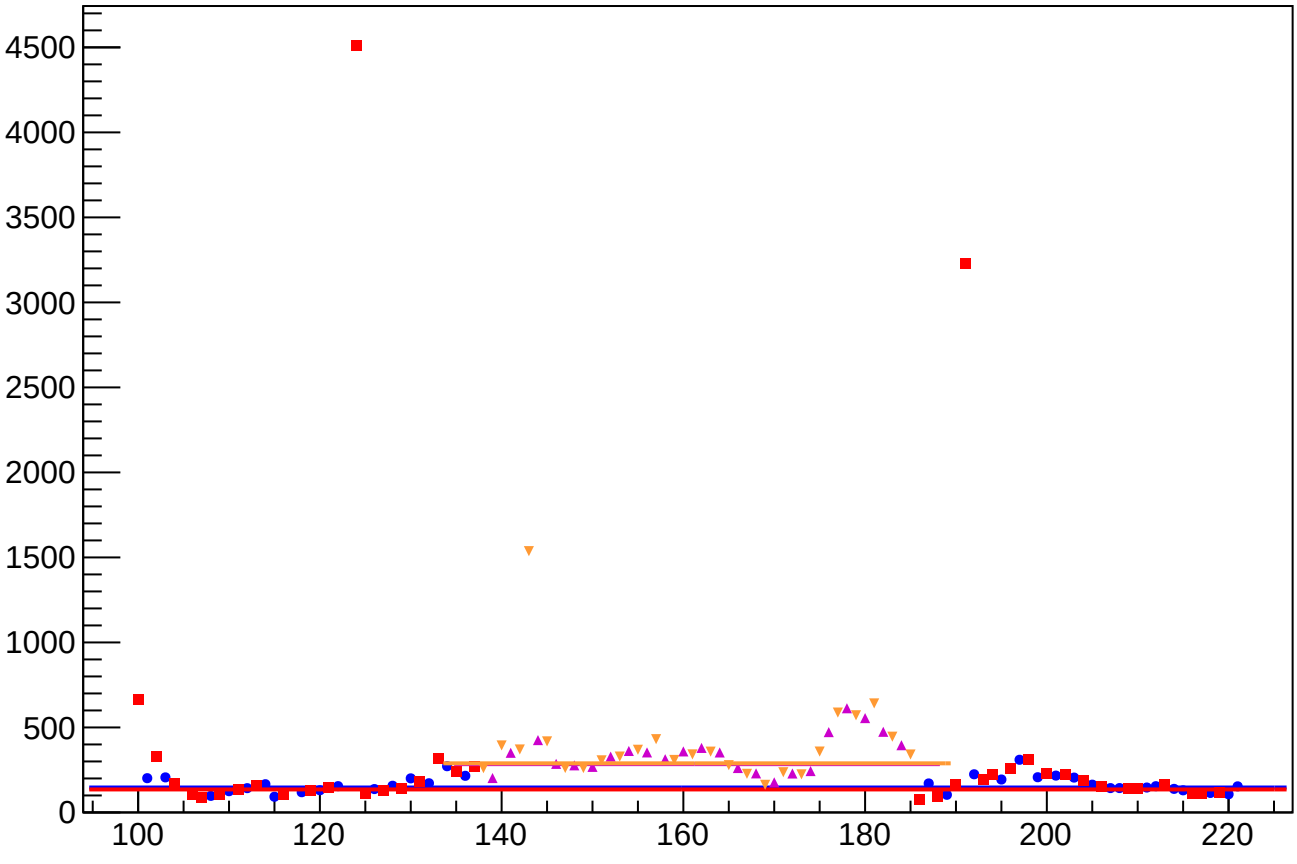
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

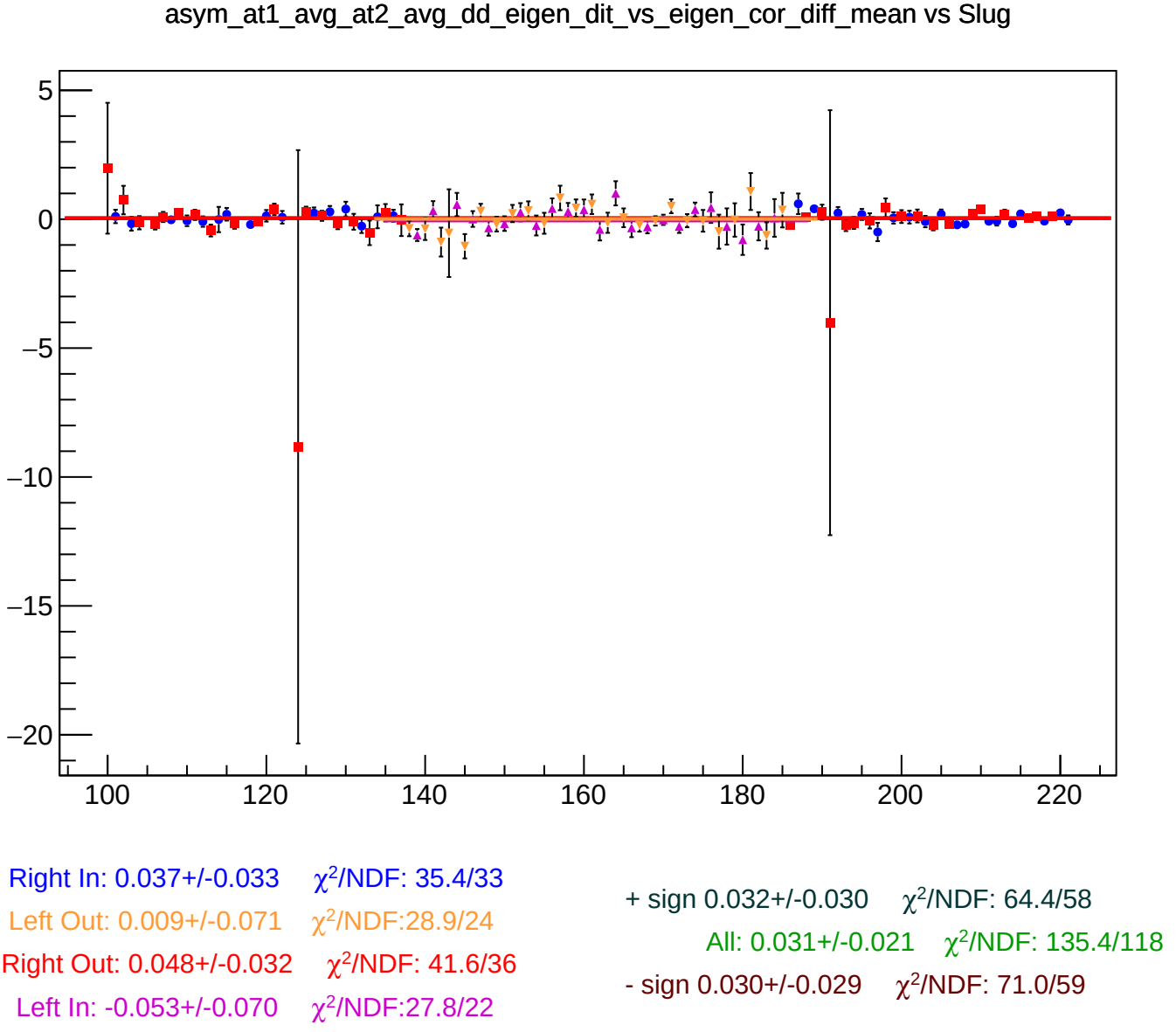
Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

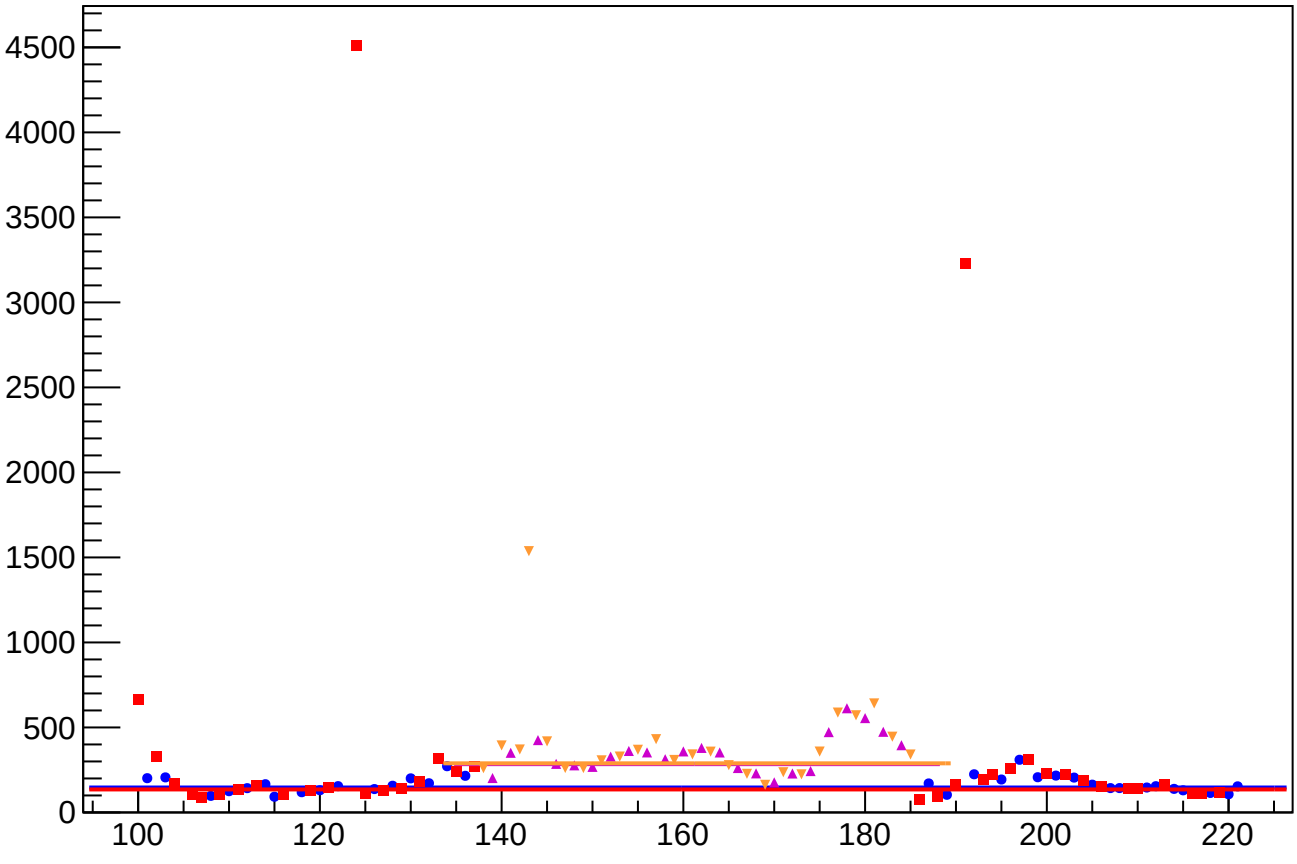
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
100
120
140
160
180
200
220
Right In: 0.037+/-0.033 χ²/NDF: 35.4/33
Left Out: 0.009+/-0.071 χ²/NDF:28.9/24
Right Out: 0.048+/-0.032 χ²/NDF: 41.6/36
Left In: -0.053+/-0.070 χ²/NDF:27.8/22
+ sign 0.032+/-0.030 χ²/NDF: 64.4/58
All: 0.031+/-0.021 χ²/NDF: 135.4/118
- sign 0.030+/-0.029 χ²/NDF: 71.0/59



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

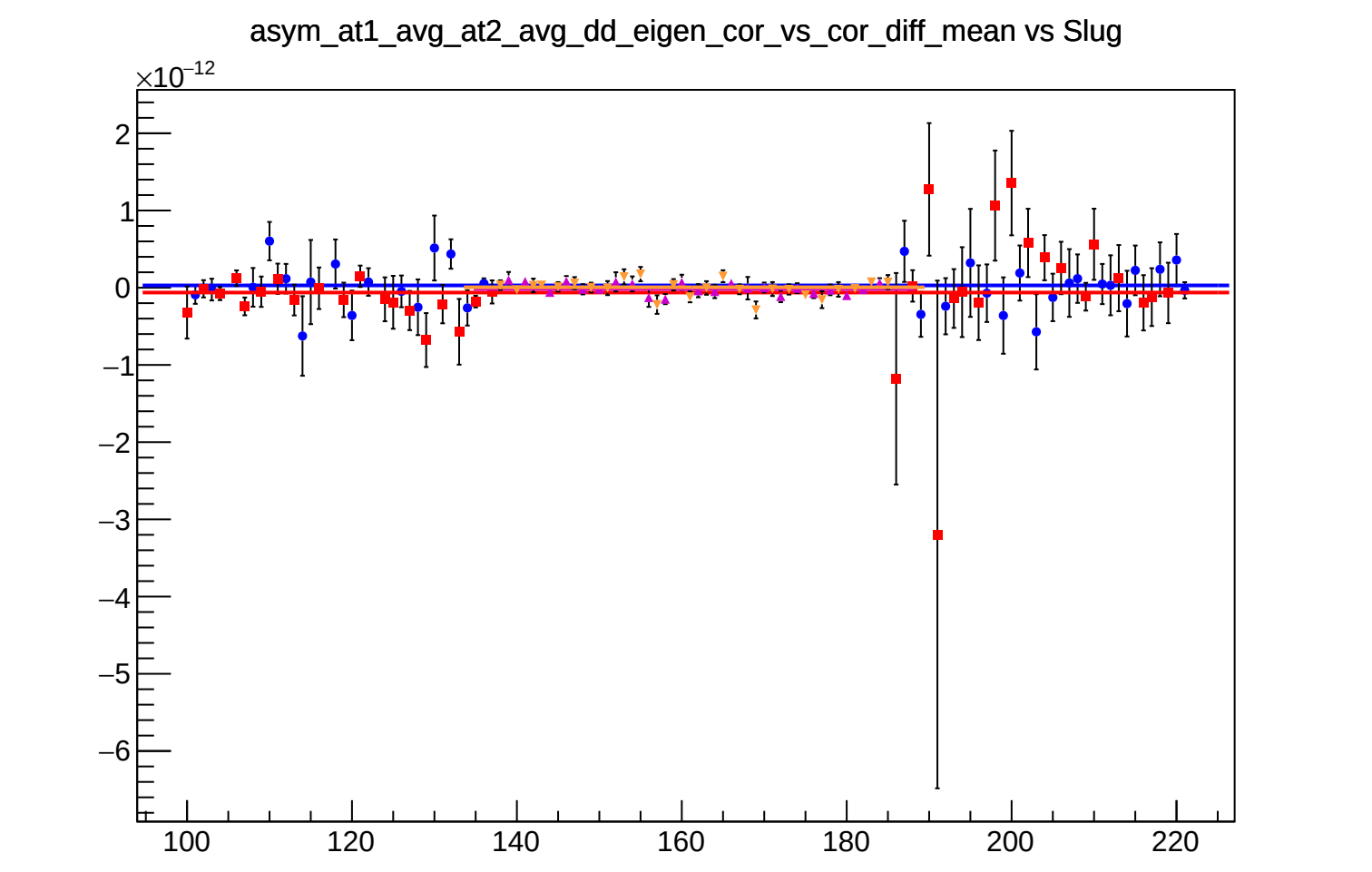
Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

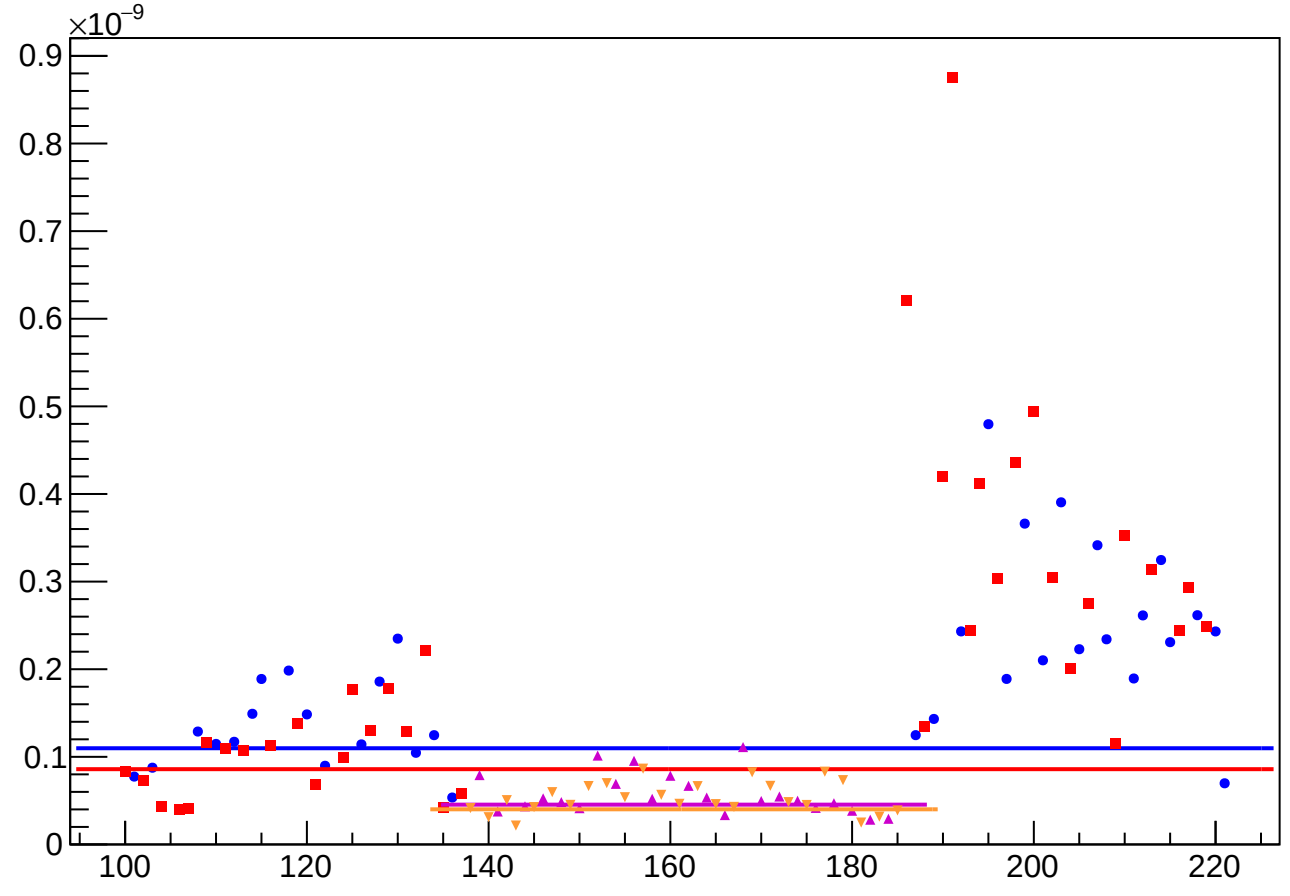
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/58

All: -0.000+/-0.000 χ^2/NDF: 128.1/118

- sign -0.000+/-0.000 χ^2/NDF: 62.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 7882944.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

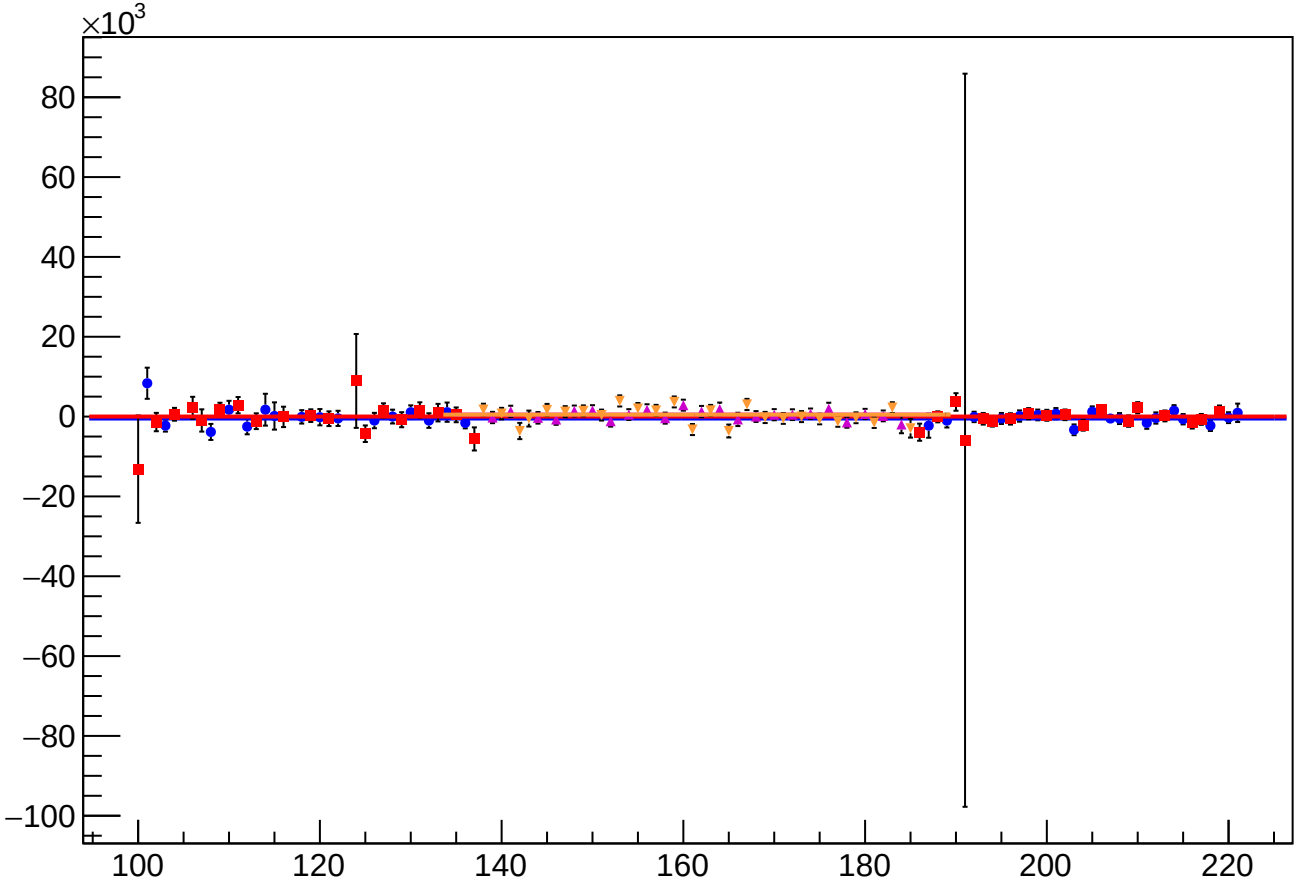
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18185511.9/58

All: 0.000+/-0.000 χ^2/NDF: 34202884.1/118

- sign 0.000+/-0.000 χ^2/NDF: 15887395.3/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -487.178+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF: 33.5/36

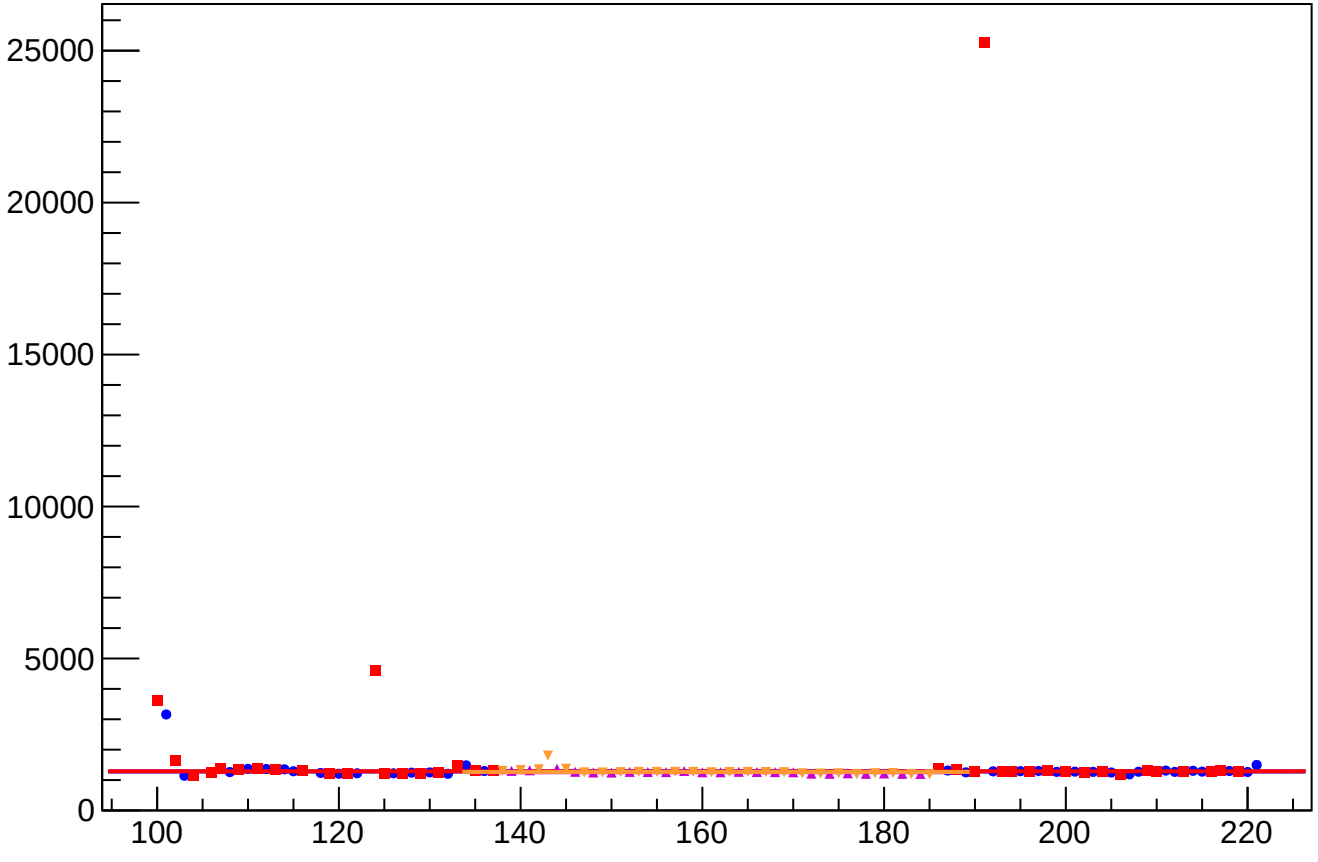
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign -14.863+/-200.359 χ^2/NDF: 79.5/58

All: 110.070+/-142.747 χ^2/NDF: 129.5/118

- sign 238.857+/-203.426 χ^2/NDF: 49.3/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548621.5/33

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

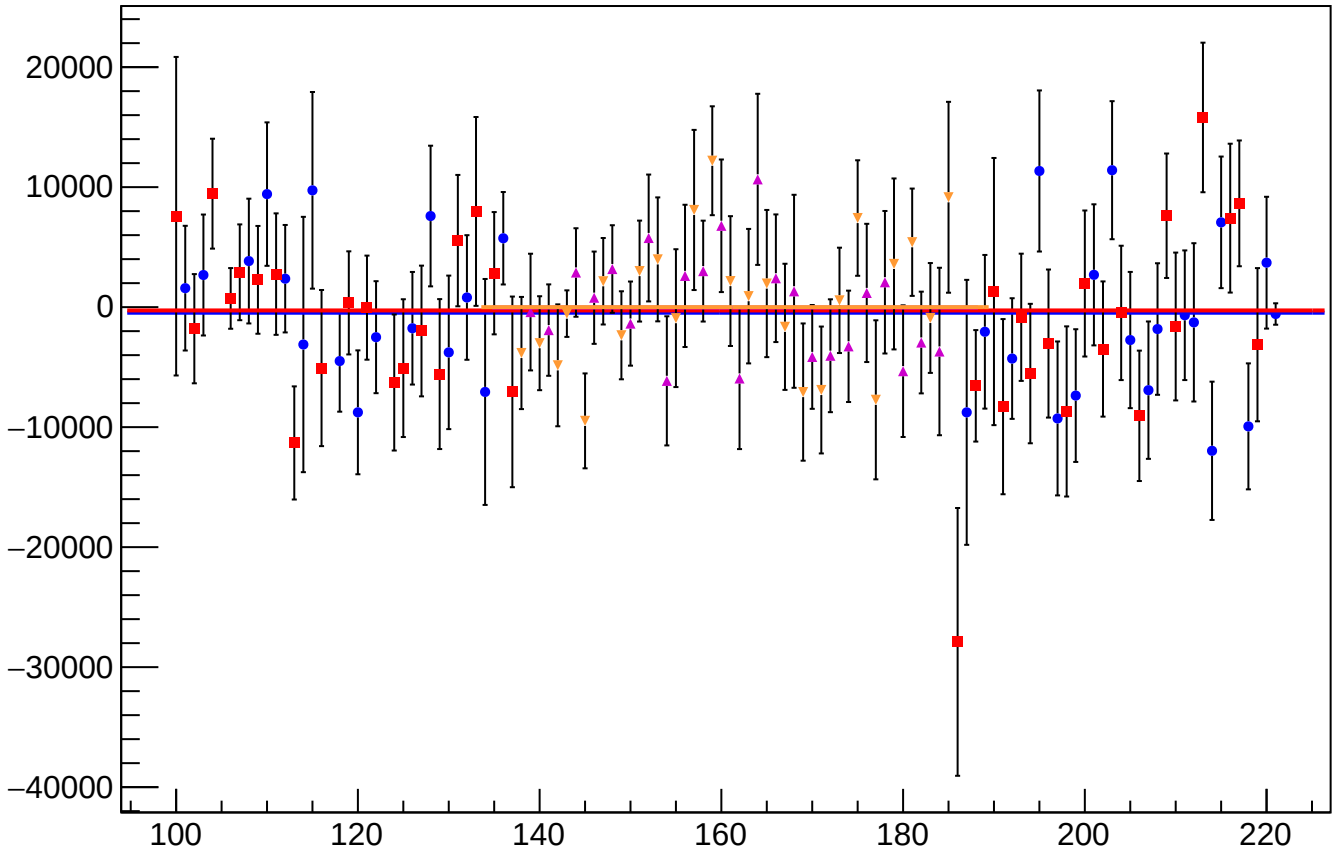
Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739020.3/58

All: 1274.247+/-0.101 χ^2/NDF: 1270999.6/11

- sign 1273.669+/-0.144 χ^2/NDF: 531947.5/59



Right In: -464.733+/-656.771 χ^2/NDF: 38.6/33

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

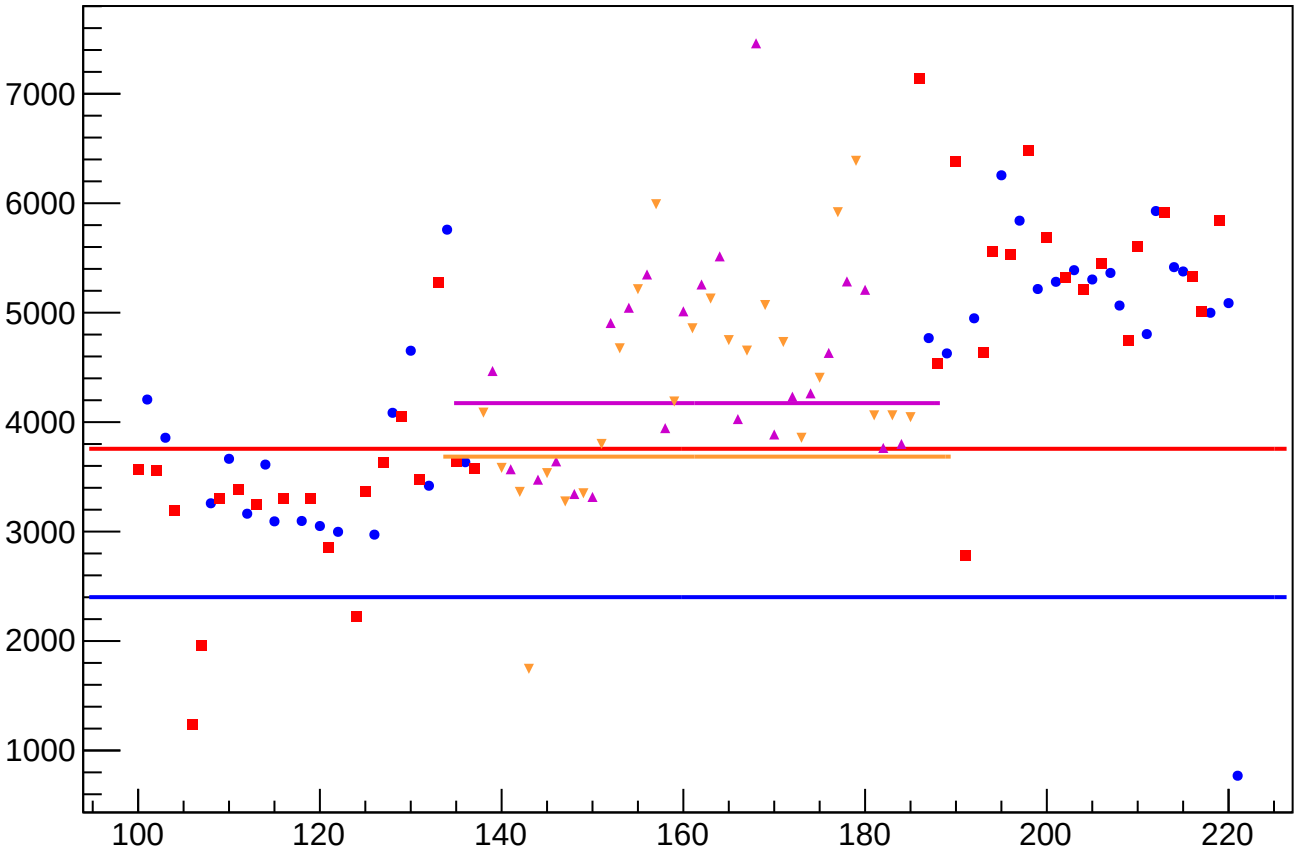
Right Out: -274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -300.258+/-527.721 χ^2/NDF: 67.8/58

All: -248.581+/-411.577 χ^2/NDF: 128.7/118

- sign -168.341+/-657.590 χ^2/NDF: 60.9/59



Right In: 2400.923+/-0.464 χ^2/NDF: 16646929.0/33

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

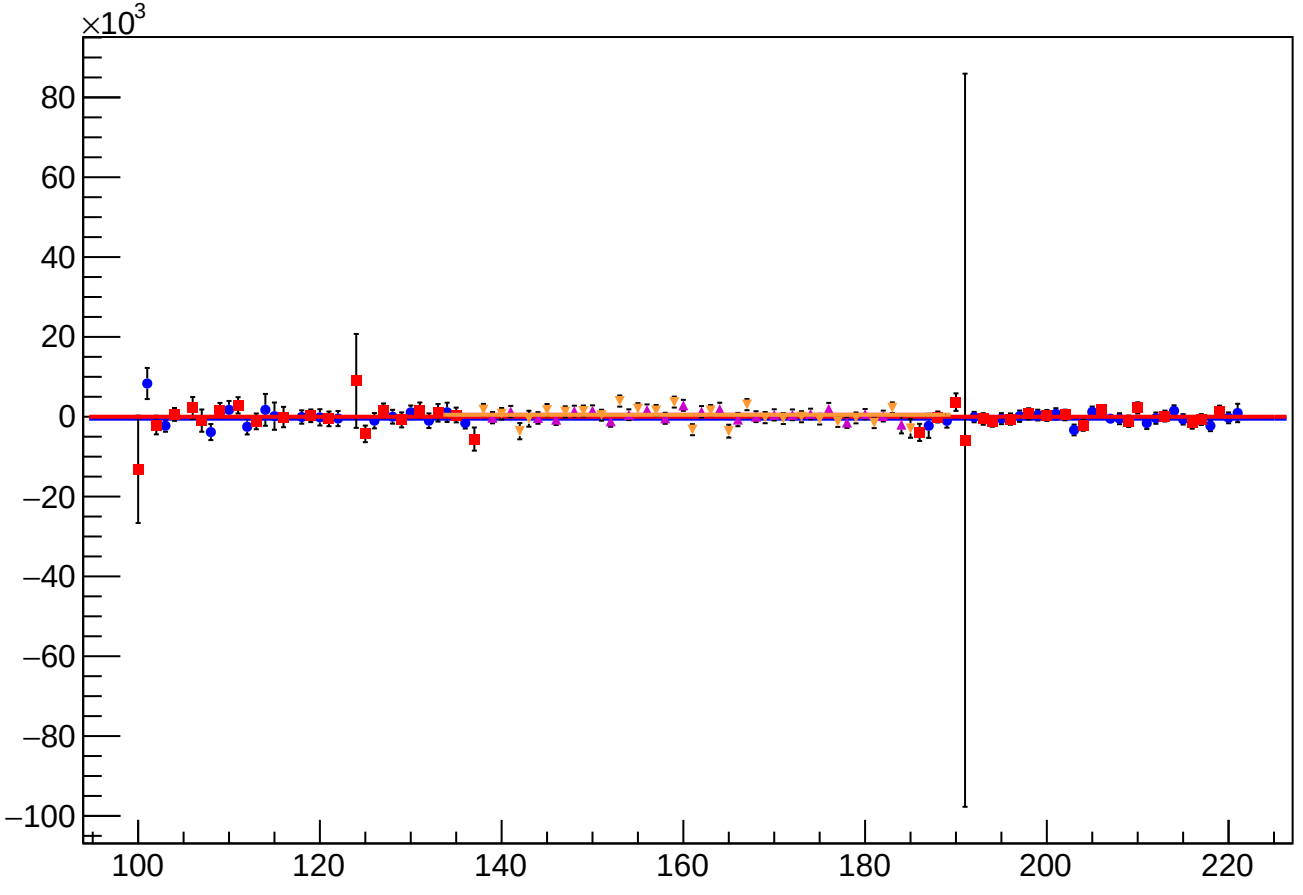
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 2855.885+/-0.373 χ^2/NDF: 23048835.8/58

All: 3279.983+/-0.291 χ^2/NDF: 33386929.1/1

- sign 3938.499+/-0.465 χ^2/NDF: 7040776.2/59

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

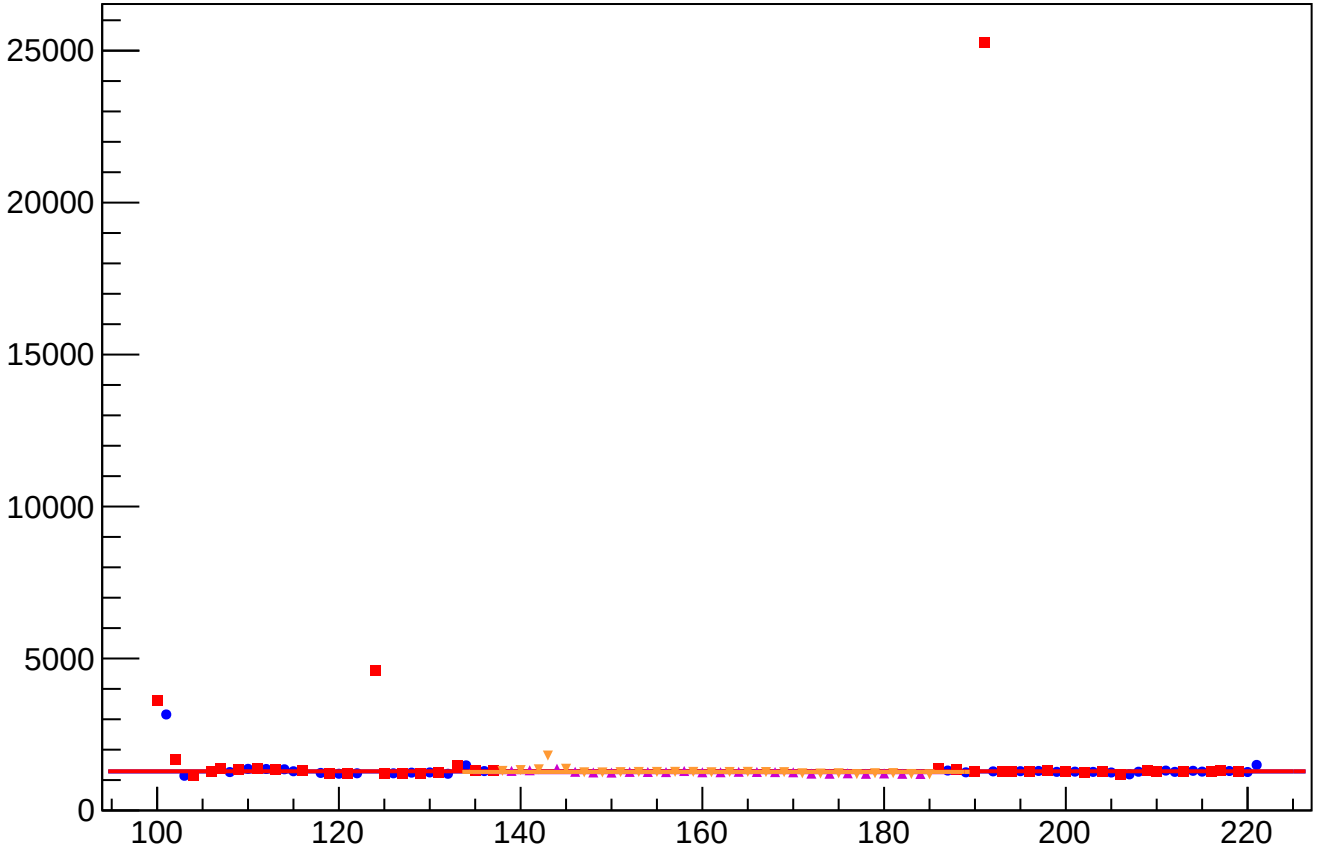
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.545+/-142.756 χ^2/NDF: 130.0/118

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

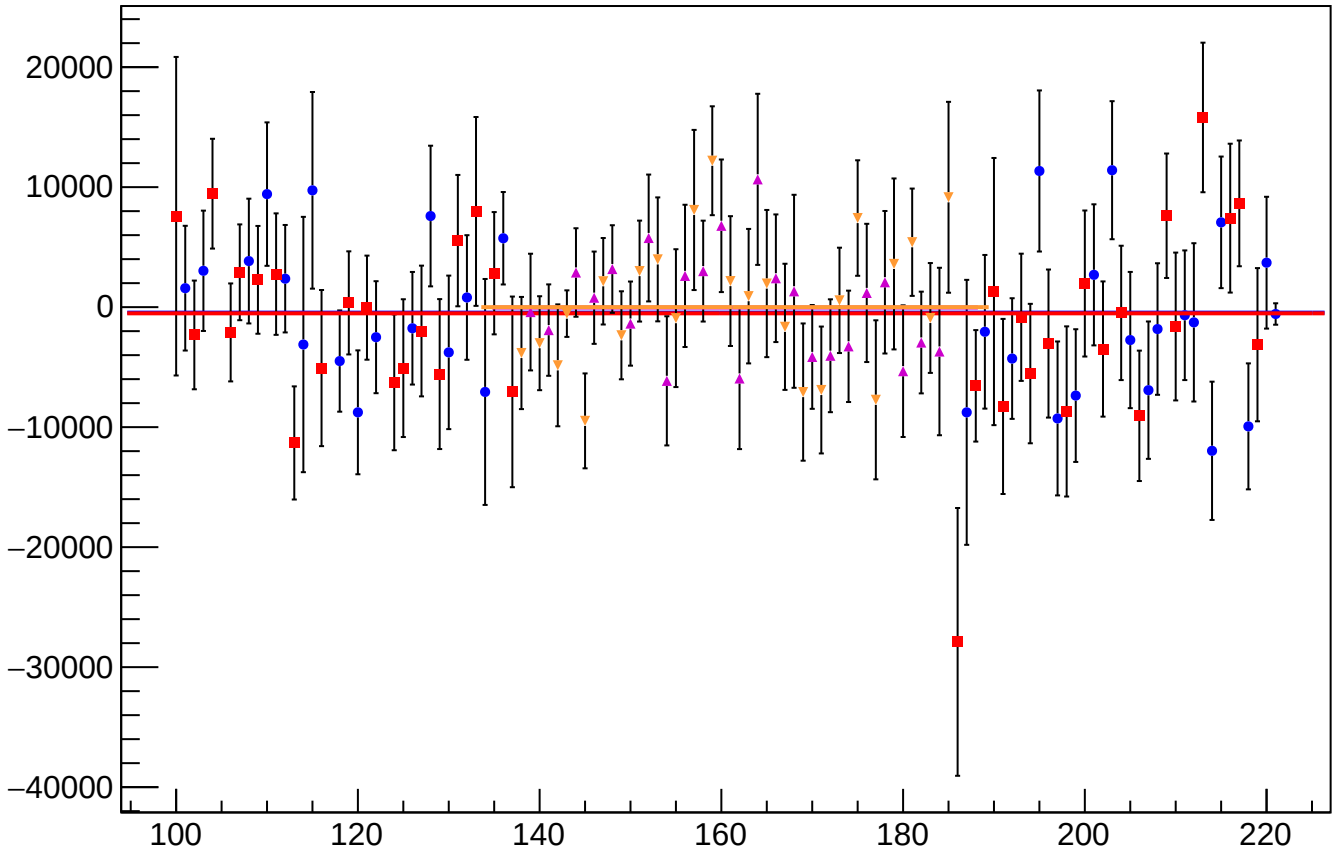
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

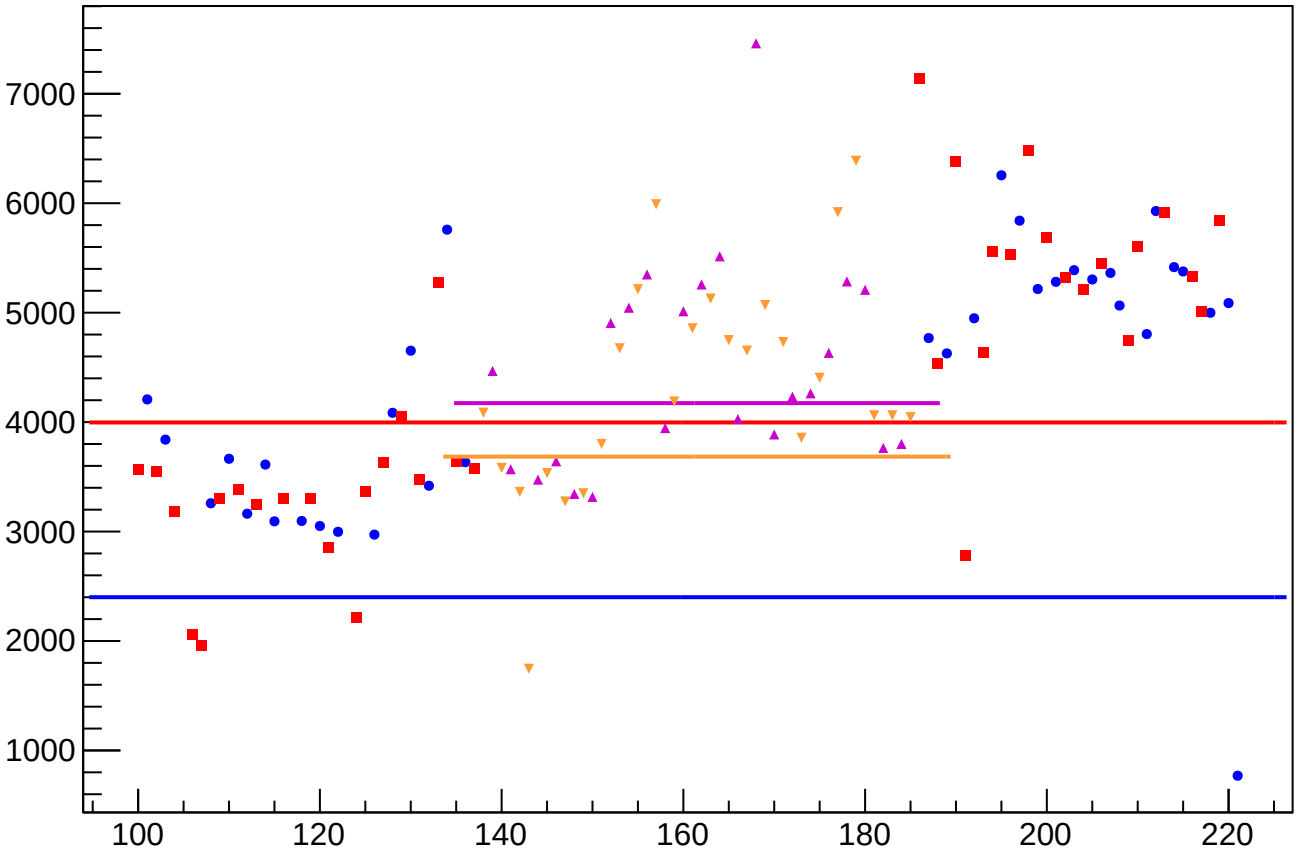
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

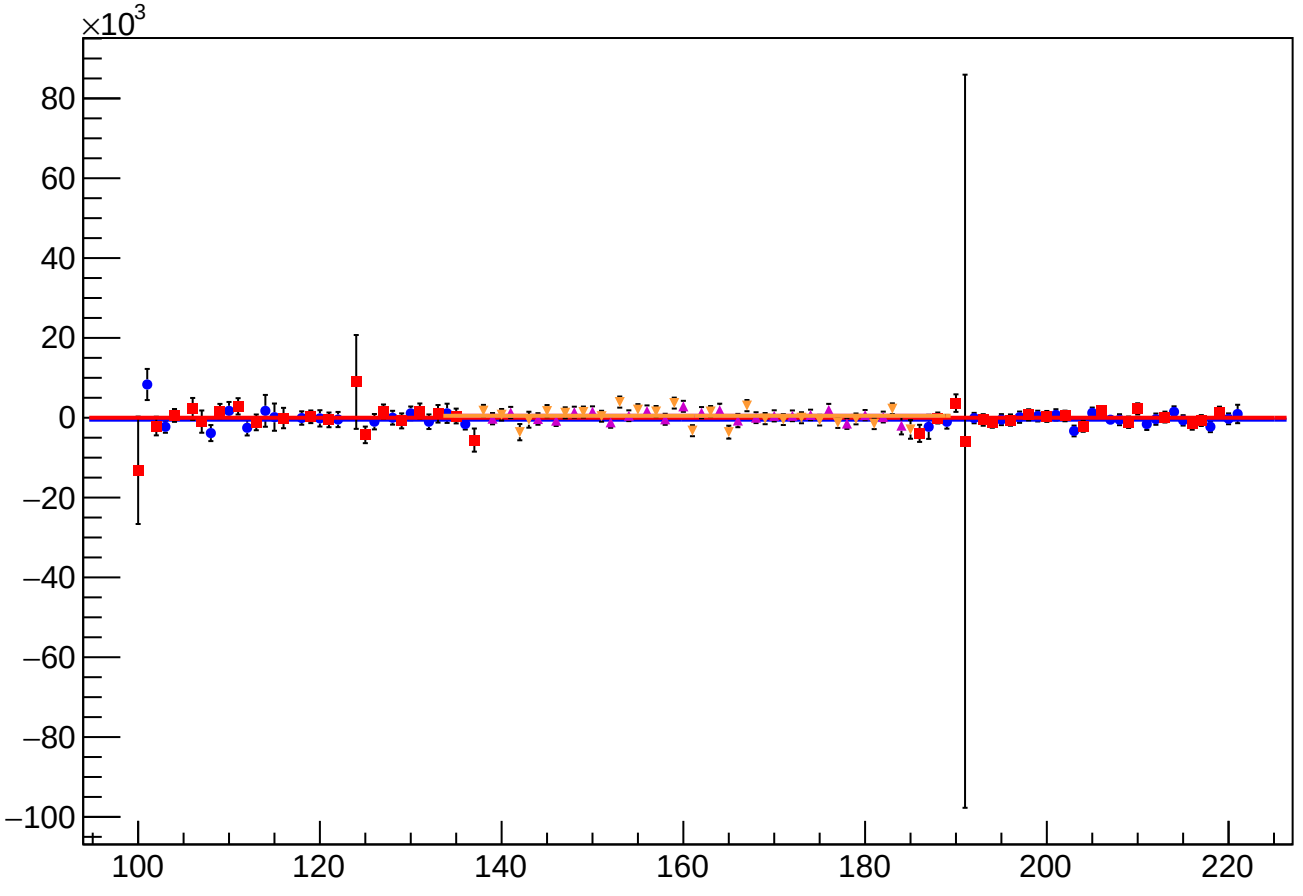
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -295.555+/-414.914 χ^2/NDF: 129.0/118

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
220
Right In: 2400.227+/-0.464 χ²/NDF: 16651042.9/33
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3996.873+/-0.643 χ²/NDF: 3797224.6/36
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
+ sign 2855.295+/-0.373 χ²/NDF: 23056360.4/58
All: 3321.667+/-0.293 χ²/NDF: 32257054.0/1
- sign 4077.317+/-0.475 χ²/NDF: 5106515.0/59



Right In: -487.306+/-278.473 χ^2/NDF: 26.6/33

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

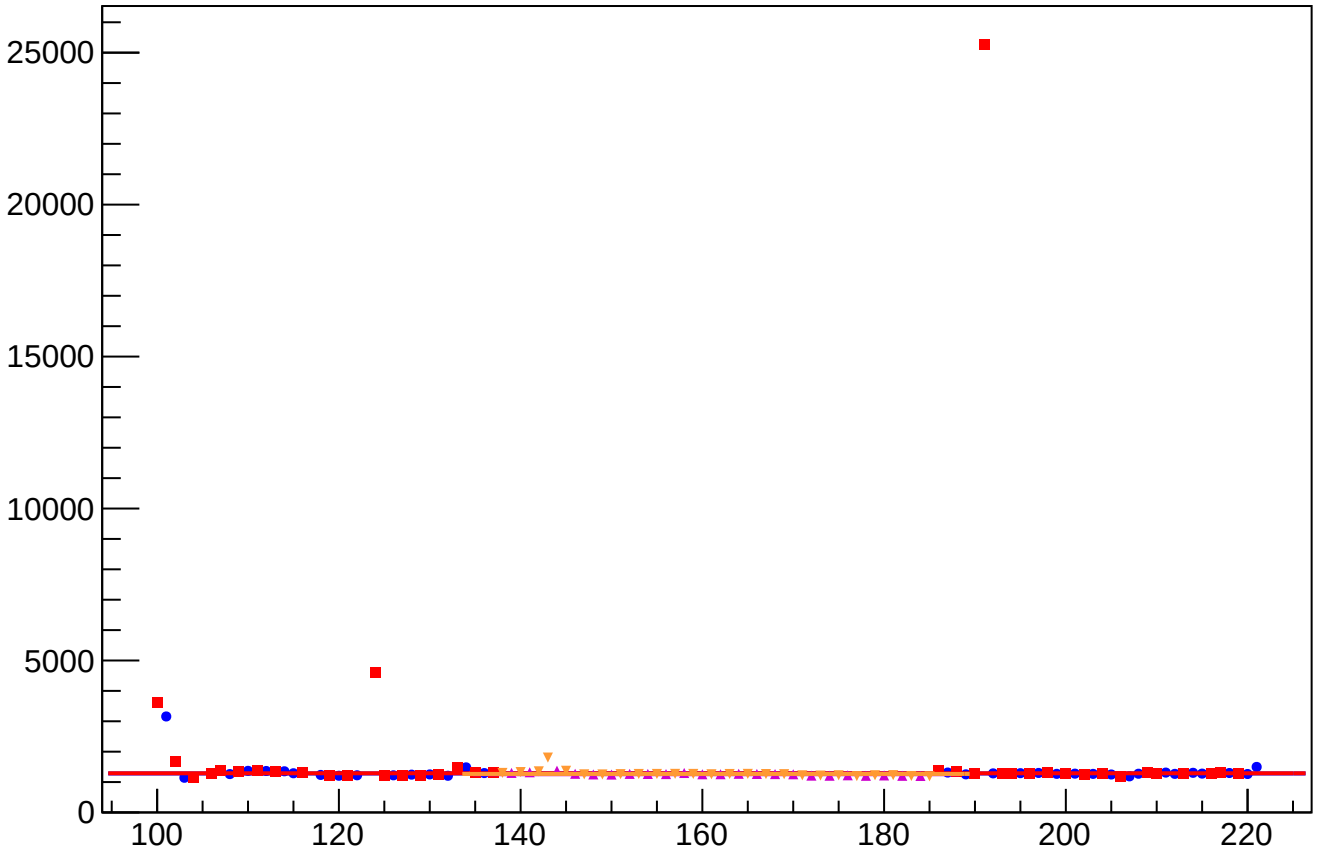
Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -14.921+/-200.359 χ^2/NDF: 79.4/58

All: 107.545+/-142.756 χ^2/NDF: 130.0/118

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59



Right In: 1282.112+/-0.197 χ^2/NDF: 548622.9/33

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

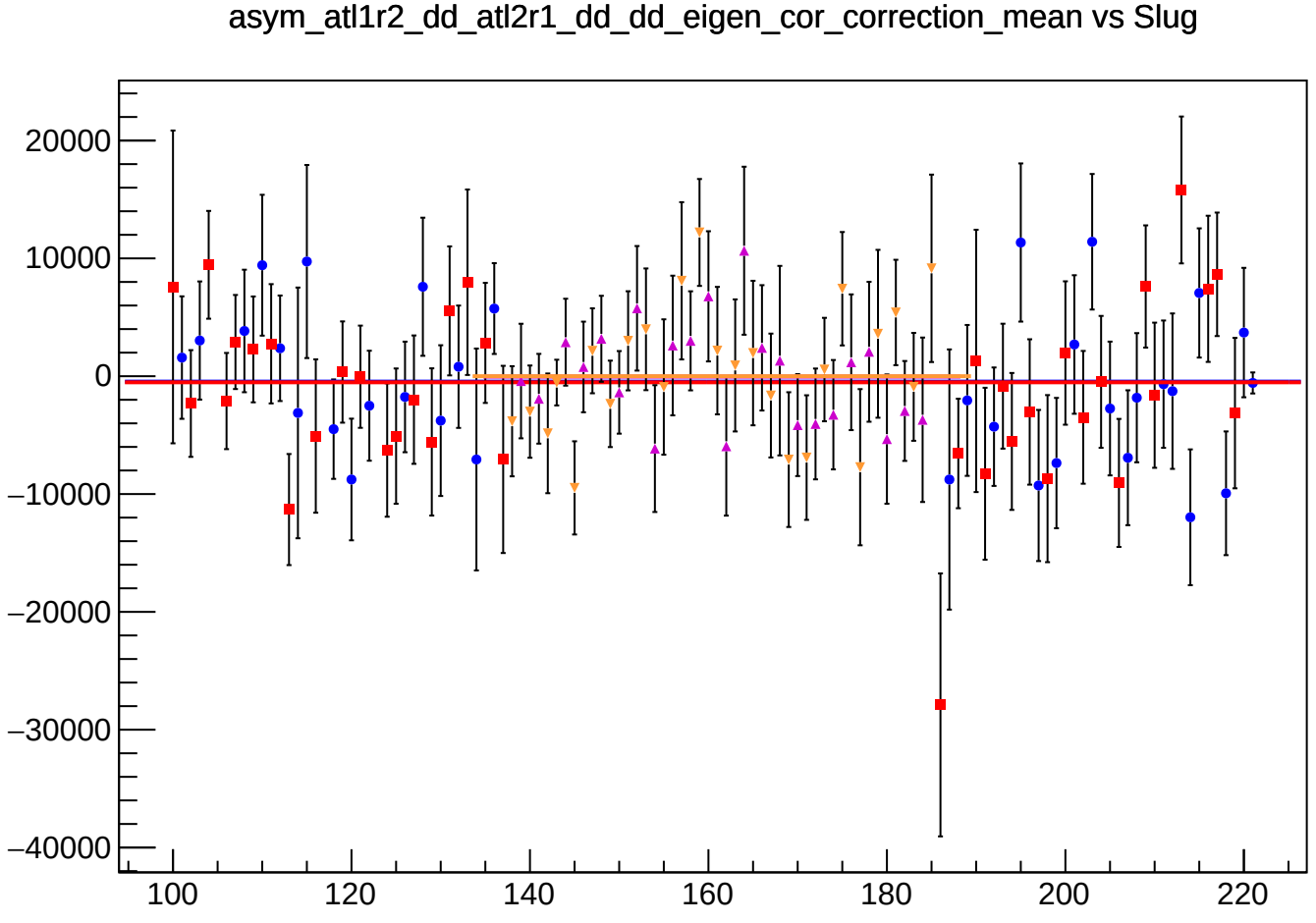
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1274.807+/-0.142 χ^2/NDF: 739021.7/58

All: 1274.415+/-0.101 χ^2/NDF: 1278385.7/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -457.680+/-656.615 χ^2/NDF: 38.7/33

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

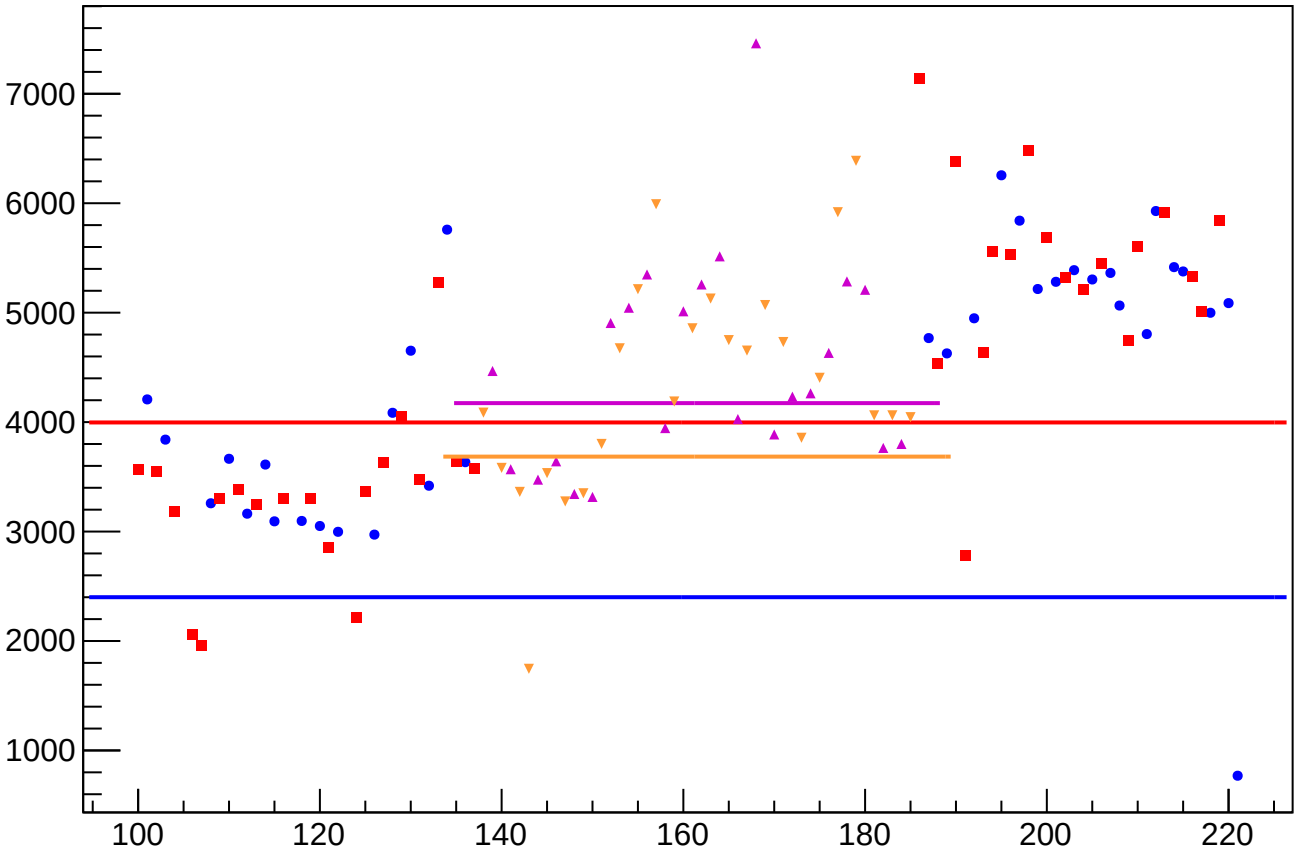
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign -295.731+/-527.640 χ^2/NDF: 67.9/58

All: -295.555+/-414.914 χ^2/NDF: 129.0/118

\- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 2400.227+/-0.464 χ^2/NDF: 16651042.9/33

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

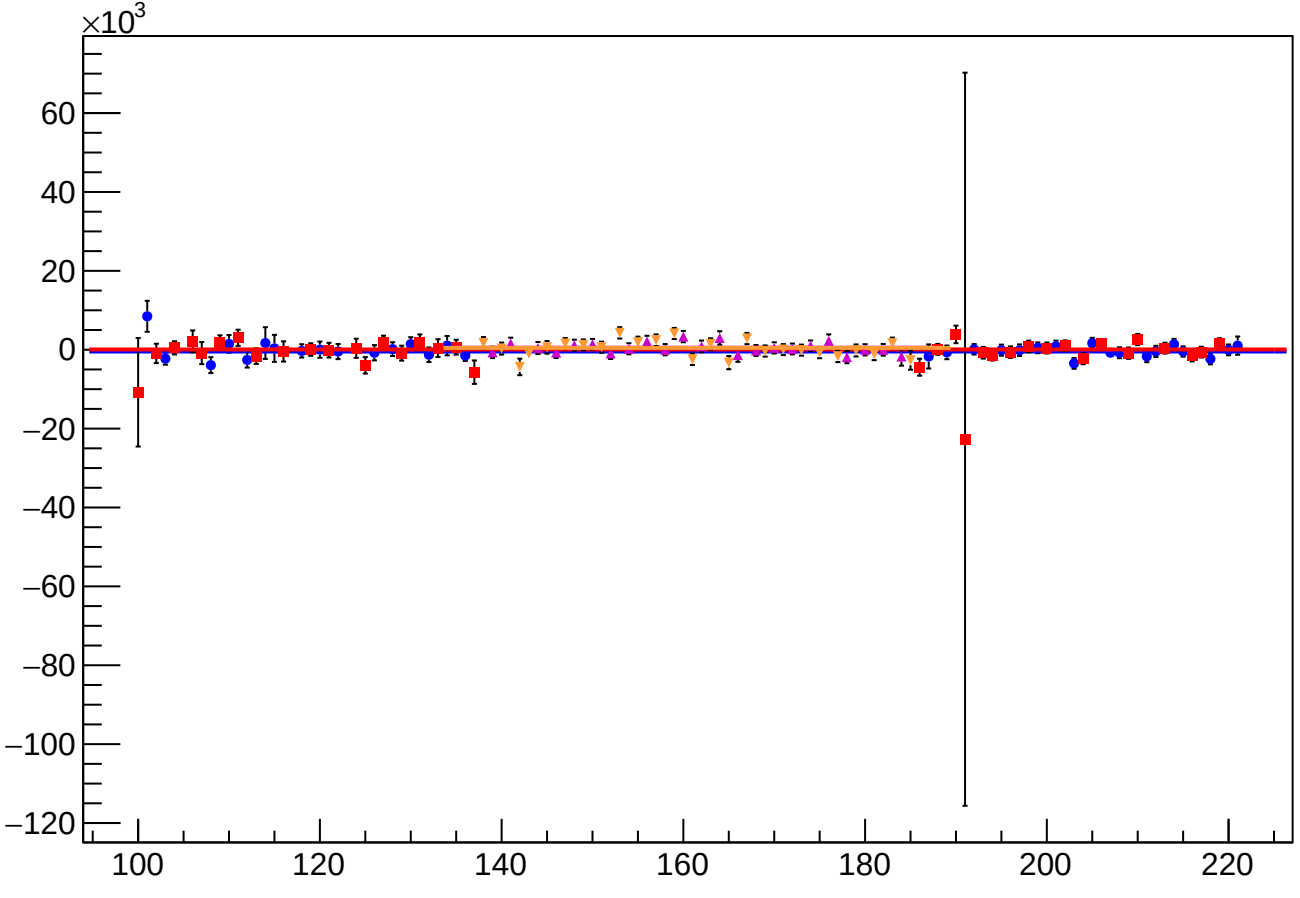
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 2855.295+/-0.373 χ^2/NDF: 23056360.4/58

All: 3321.667+/-0.293 χ^2/NDF: 32257054.0/1

- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -448.114+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.239+/-284.065 χ^2/NDF: 35.1/36

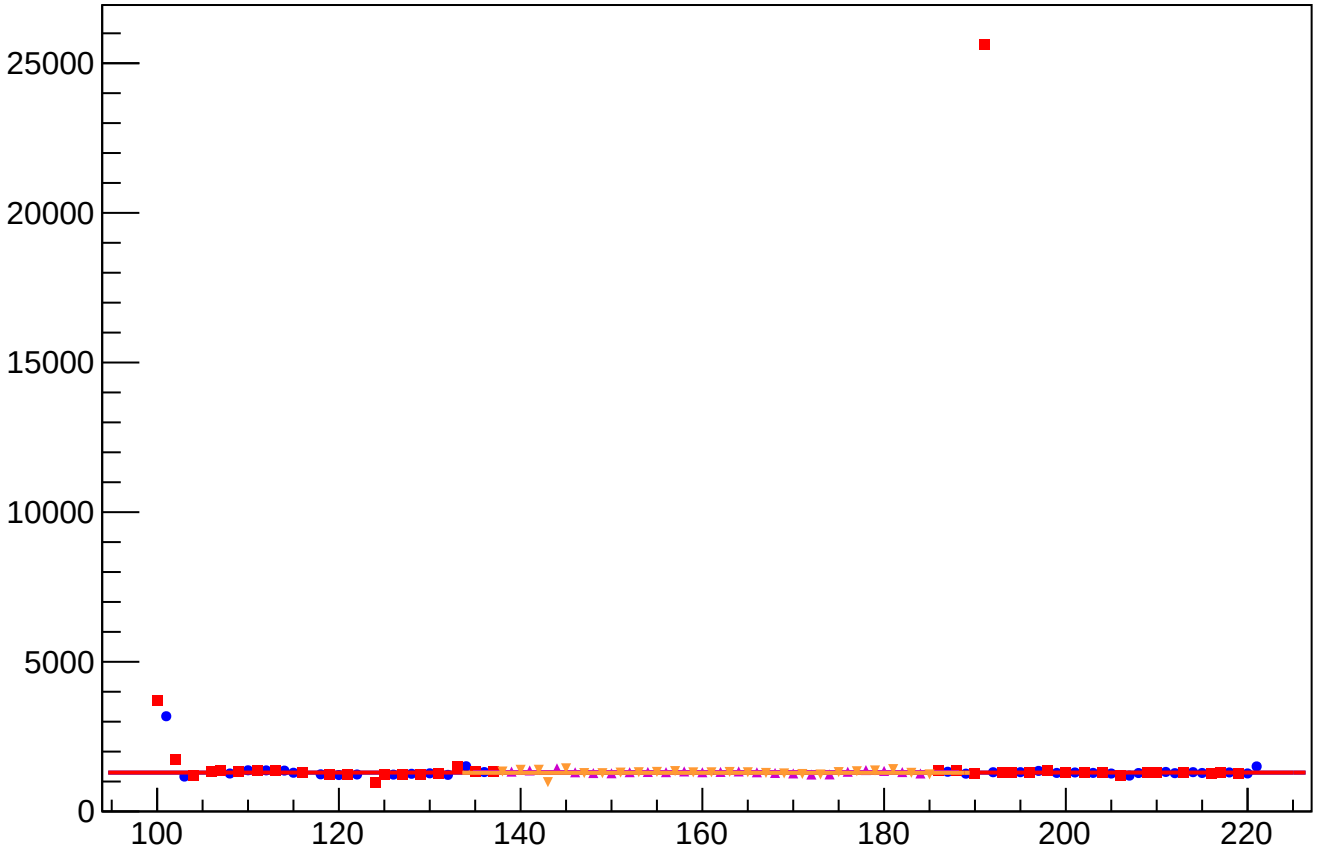
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -9.940+/-203.513 χ^2/NDF: 77.2/58

All: 125.613+/-145.643 χ^2/NDF: 131.8/118

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.8/33

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

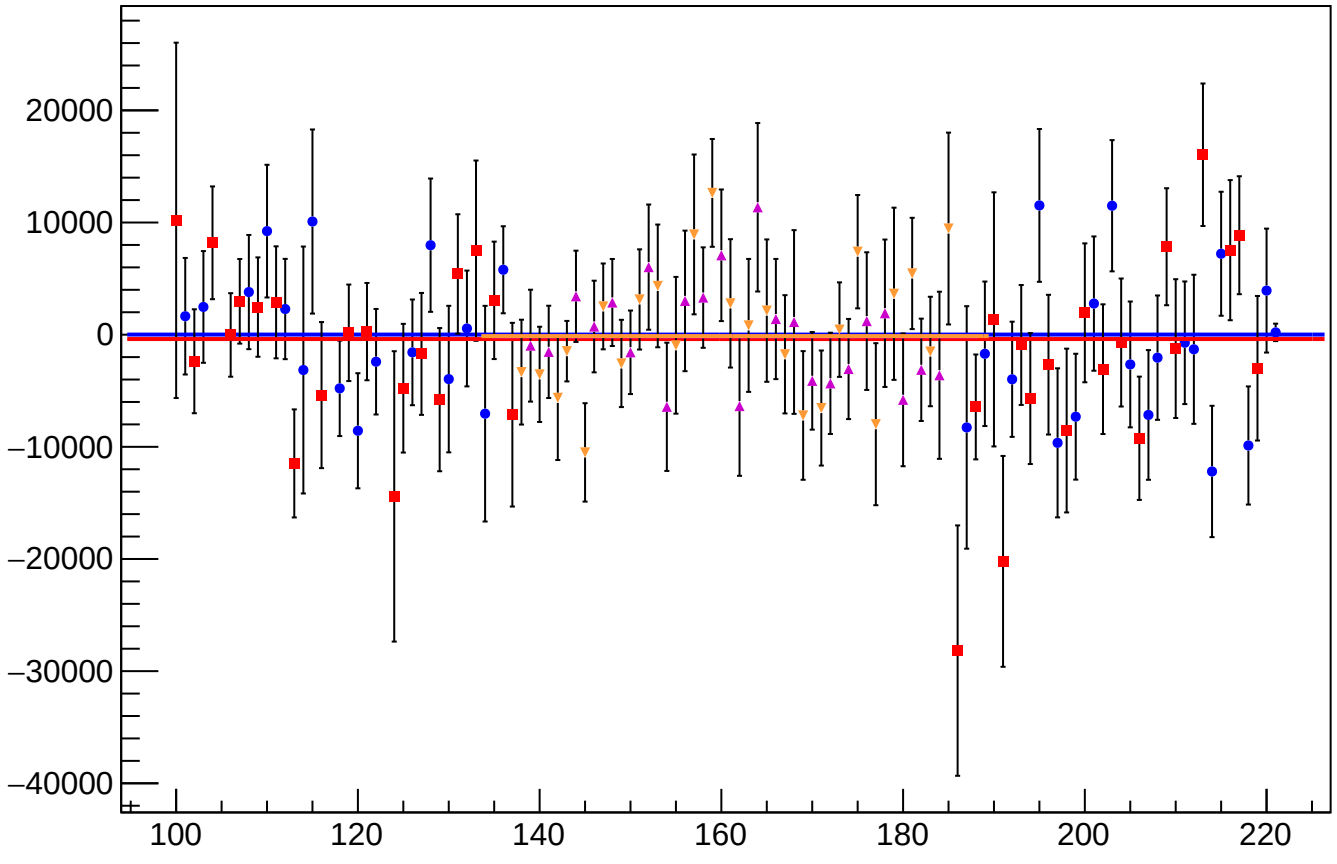
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.351+/-0.144 χ^2/NDF: 778438.5/58

All: 1300.139+/-0.103 χ^2/NDF: 1206622.8/11

- sign 1306.213+/-0.147 χ^2/NDF: 424869.1/59



Right In: 8.316+/-607.722 χ^2/NDF: 38.6/33

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

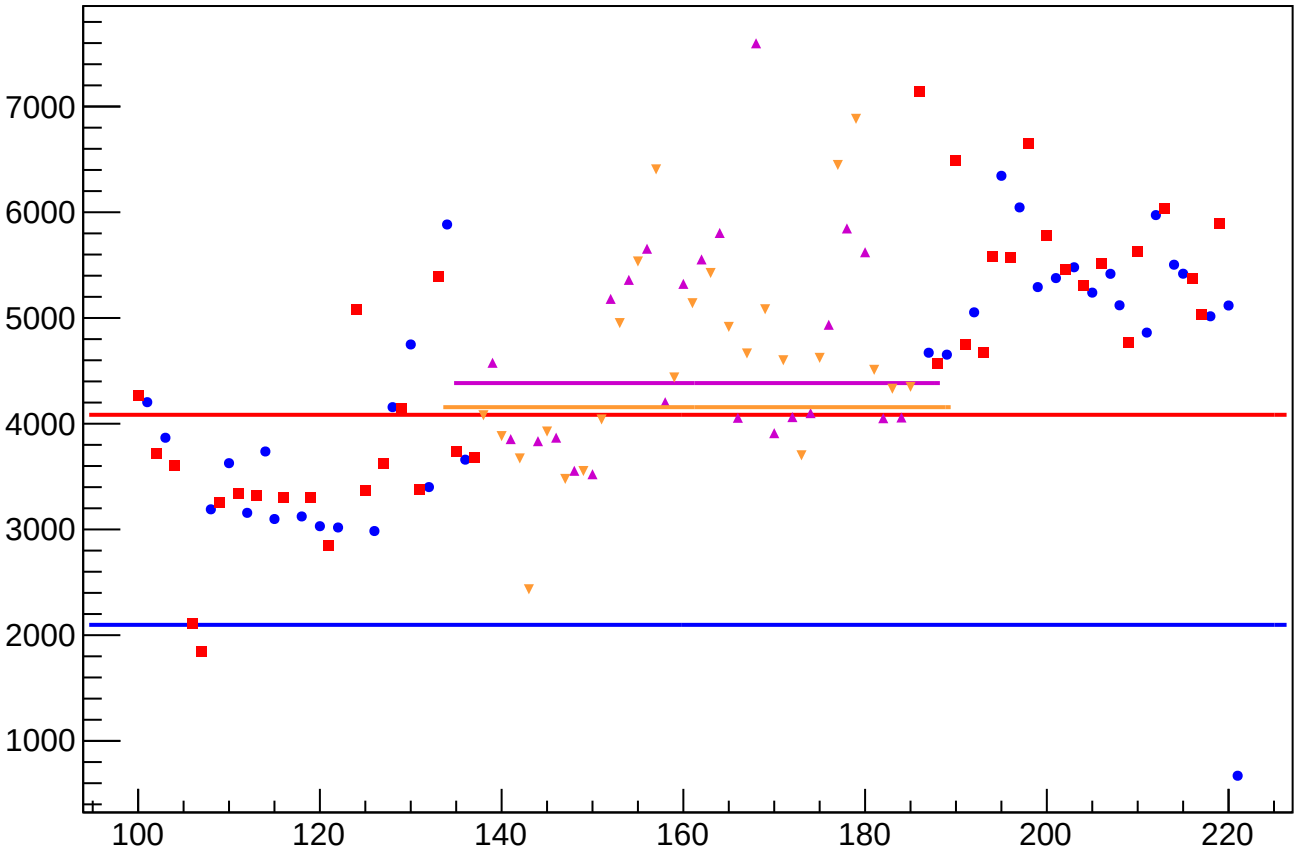
Right Out: -389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -29.498+/-516.069 χ^2/NDF: 67.2/58

All: -122.000+/-413.835 χ^2/NDF: 129.6/118

- sign -288.637+/-692.656 χ^2/NDF: 62.3/59



Right In: 2097.688+/-0.430 χ^2/NDF: 19570960.5/33

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

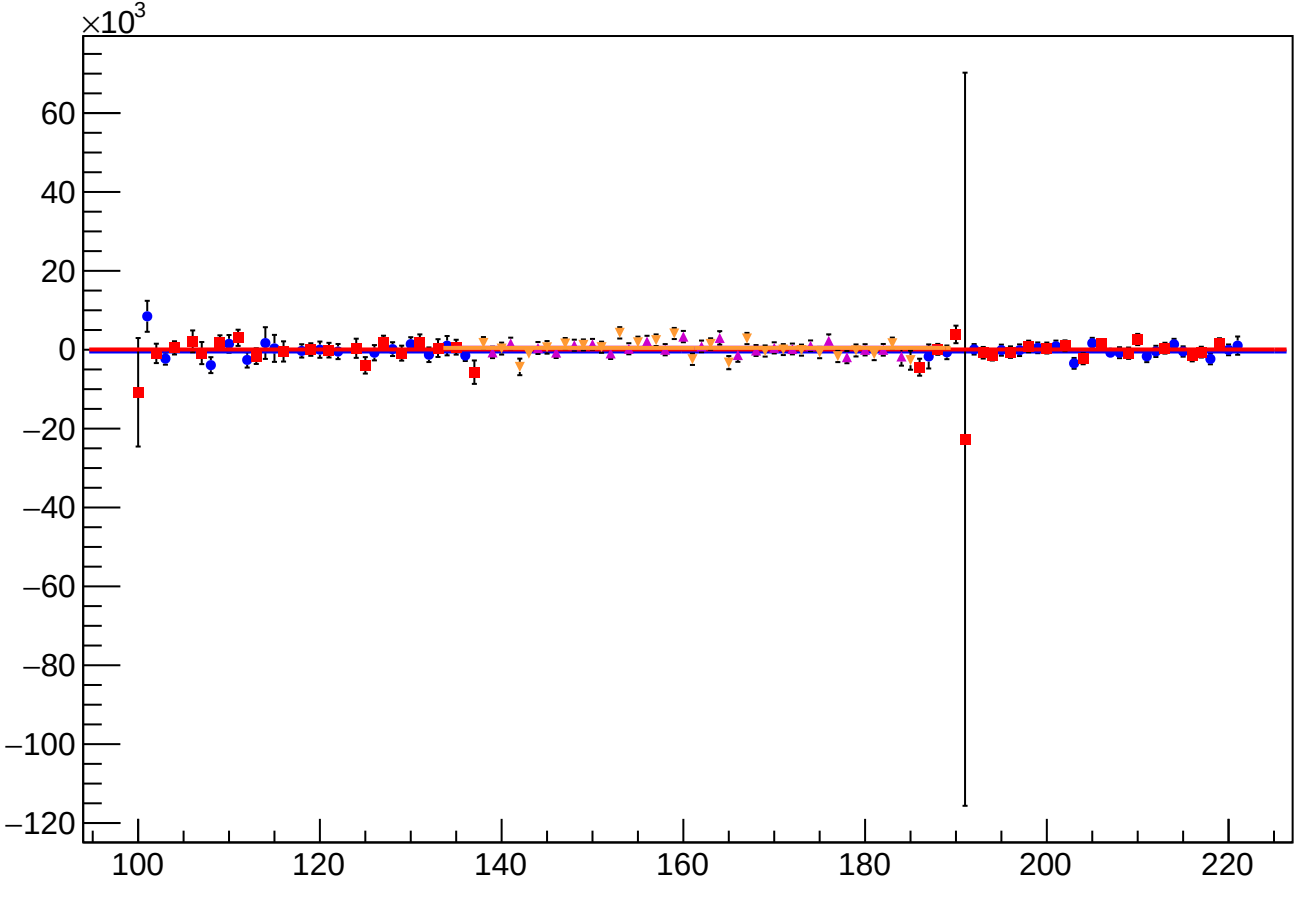
Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 2671.879+/-0.365 χ^2/NDF: 28053632.9/58

All: 3223.063+/-0.293 χ^2/NDF: 39607372.1/1

- sign 4215.986+/-0.490 χ^2/NDF: 5162451.5/59



Right In: -448.112+/-281.771 χ^2/NDF: 28.1/33

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

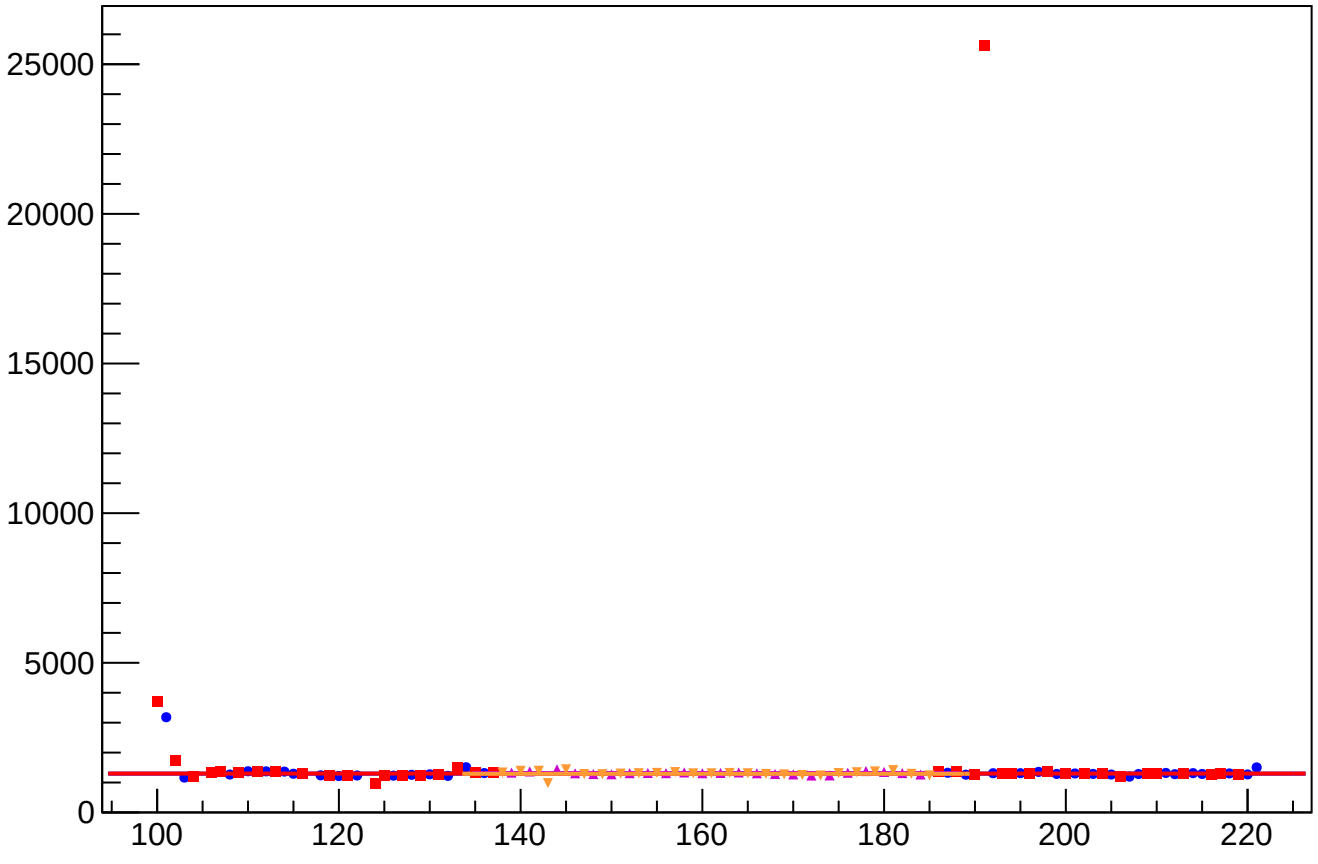
Right Out: 66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign -9.937+/-203.513 χ^2/NDF: 77.2/58

All: 125.614+/-145.643 χ^2/NDF: 131.8/118

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59



Right In: 1297.230+/-0.199 χ^2/NDF: 547266.9/33

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

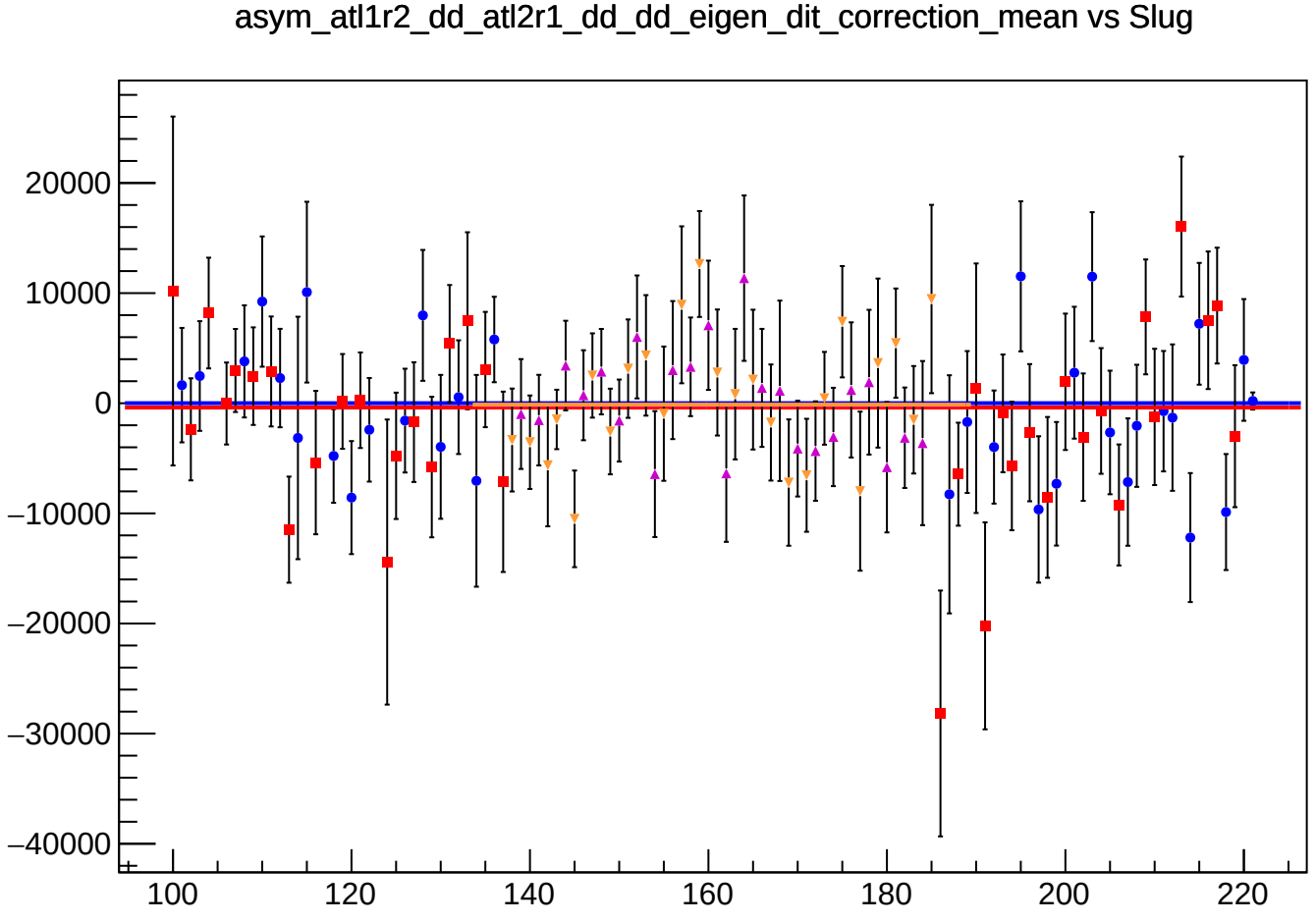
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.352+/-0.144 χ^2/NDF: 778440.9/58

All: 1300.139+/-0.103 χ^2/NDF: 1206627.9/11

- sign 1306.214+/-0.147 χ^2/NDF: 424871.7/59



Right In: 8.322+/-607.725 χ^2/NDF: 38.6/33

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

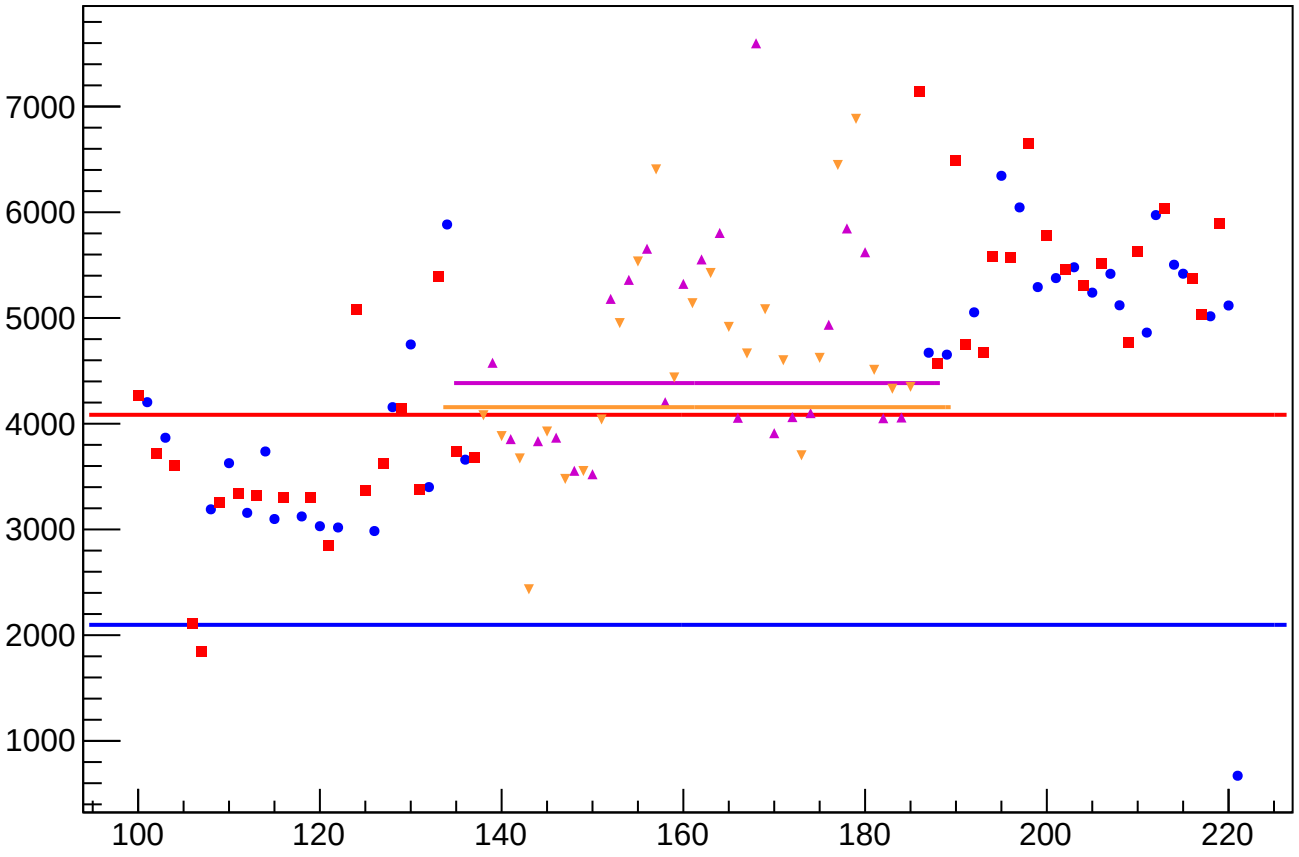
Right Out: -389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -29.493+/-516.071 χ^2/NDF: 67.2/58

All: -121.997+/-413.836 χ^2/NDF: 129.6/118

- sign -288.635+/-692.656 χ^2/NDF: 62.3/59



Right In: 2097.705+/-0.430 χ^2/NDF: 19570803.2/33

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

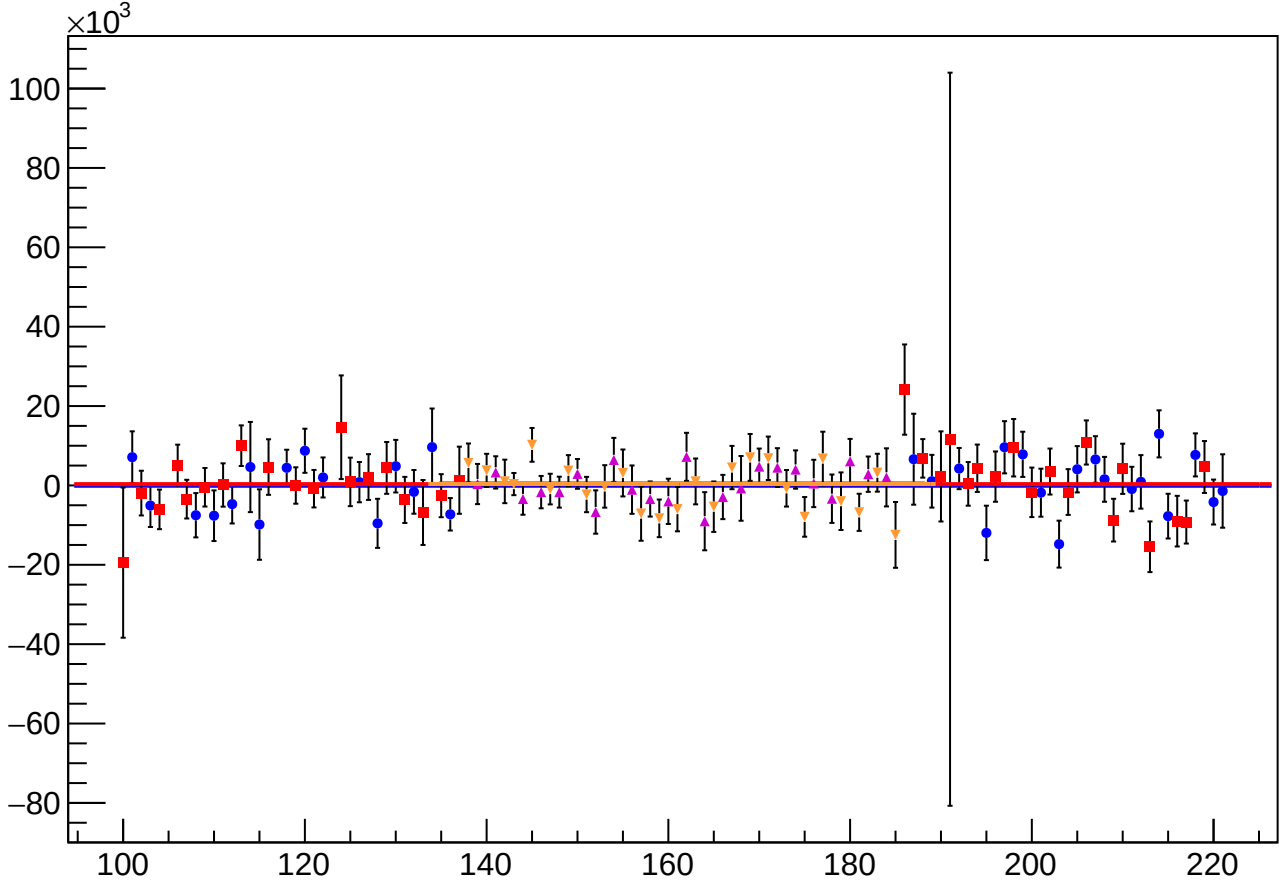
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 2671.895+/-0.365 χ^2/NDF: 28053382.8/58

All: 3223.076+/-0.293 χ^2/NDF: 39607011.6/1

- sign 4215.986+/-0.490 χ^2/NDF: 5162501.6/59

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -85.048+/-1017.030 χ^2/NDF: 44.0/33

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF: 39.1/36

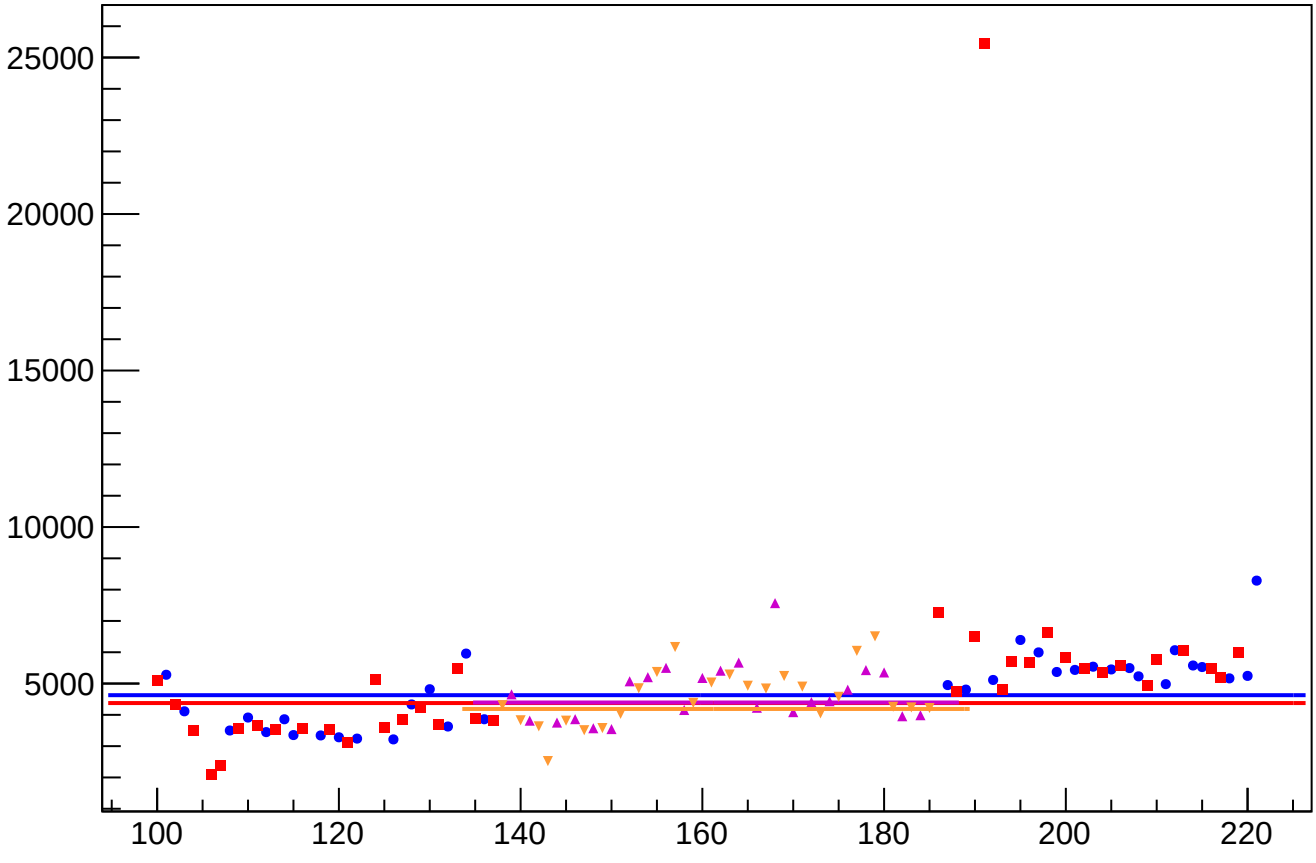
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 147.068+/-705.641 χ^2/NDF: 71.7/58

All: 275.813+/-504.306 χ^2/NDF: 124.8/118

- sign 410.223+/-721.002 χ^2/NDF: 53.0/59

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4628.356+/-0.719 χ^2/NDF: 2095028.5/33

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

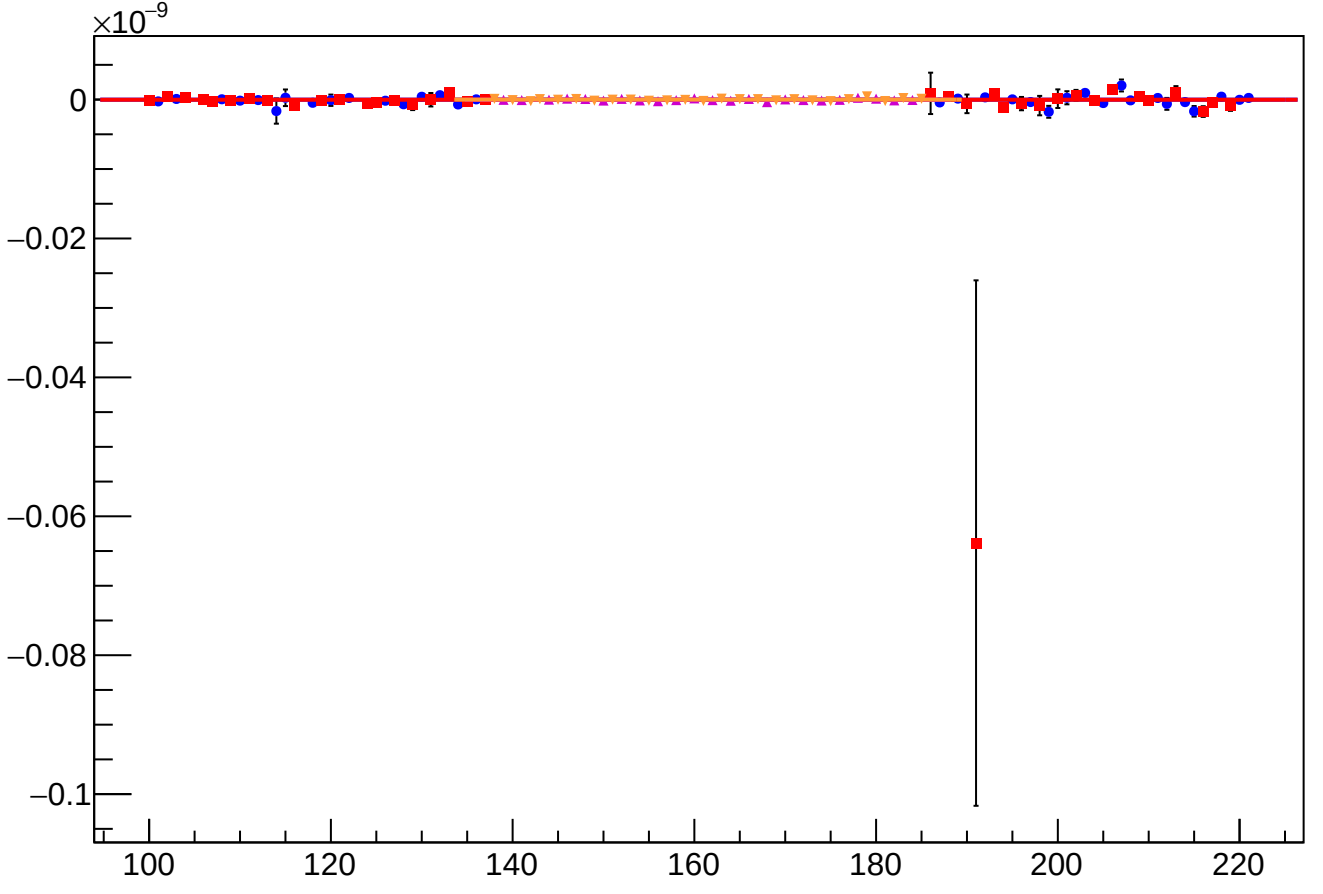
Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4399.906+/-0.499 χ^2/NDF: 4085959.8/58

All: 4392.617+/-0.356 χ^2/NDF: 8189669.5/11

- sign 4385.069+/-0.508 χ^2/NDF: 4103275.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

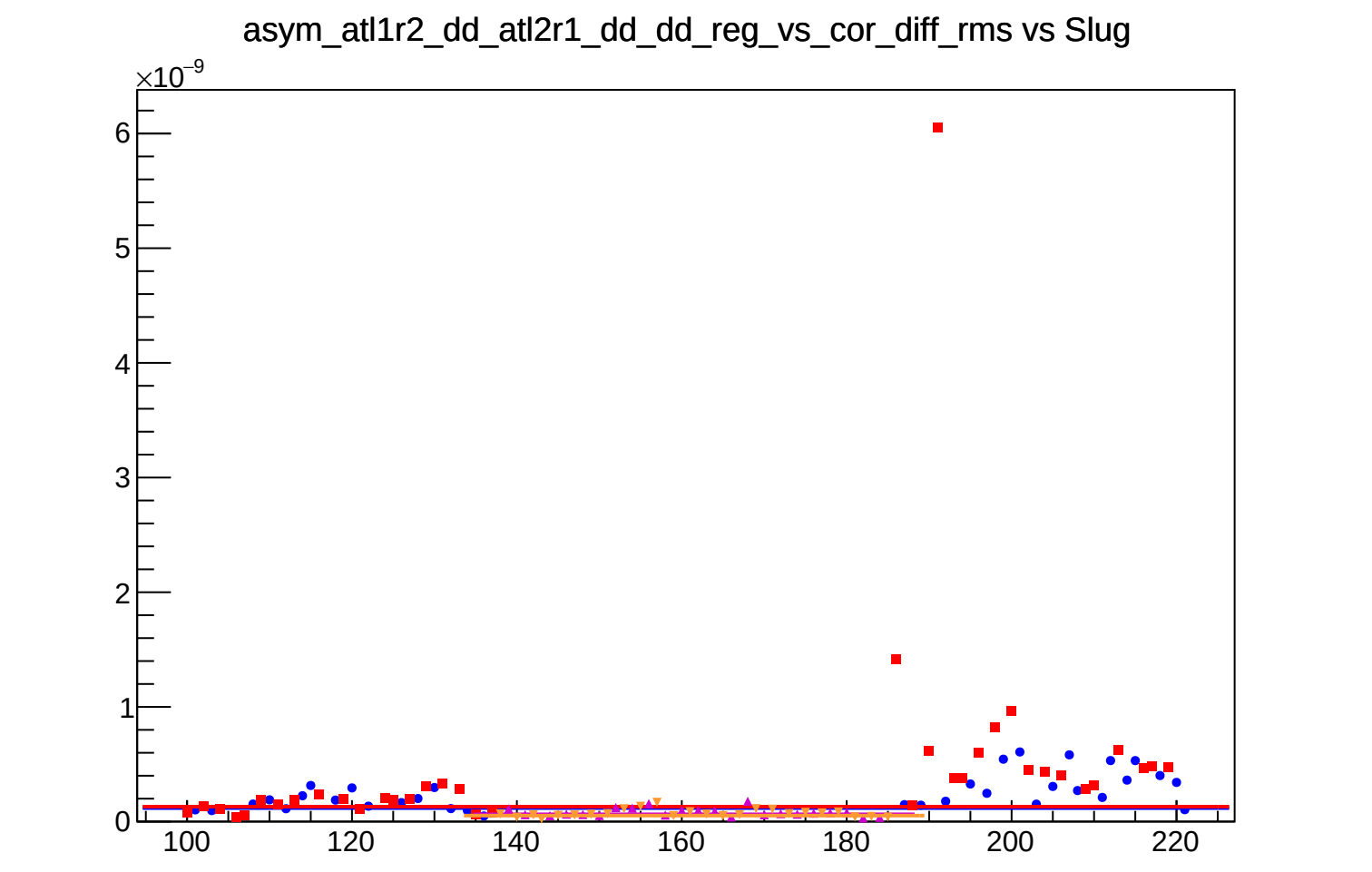
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/36

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.8/58

All: -0.000+/-0.000 χ^2/NDF: 131.5/118

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 6580280.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

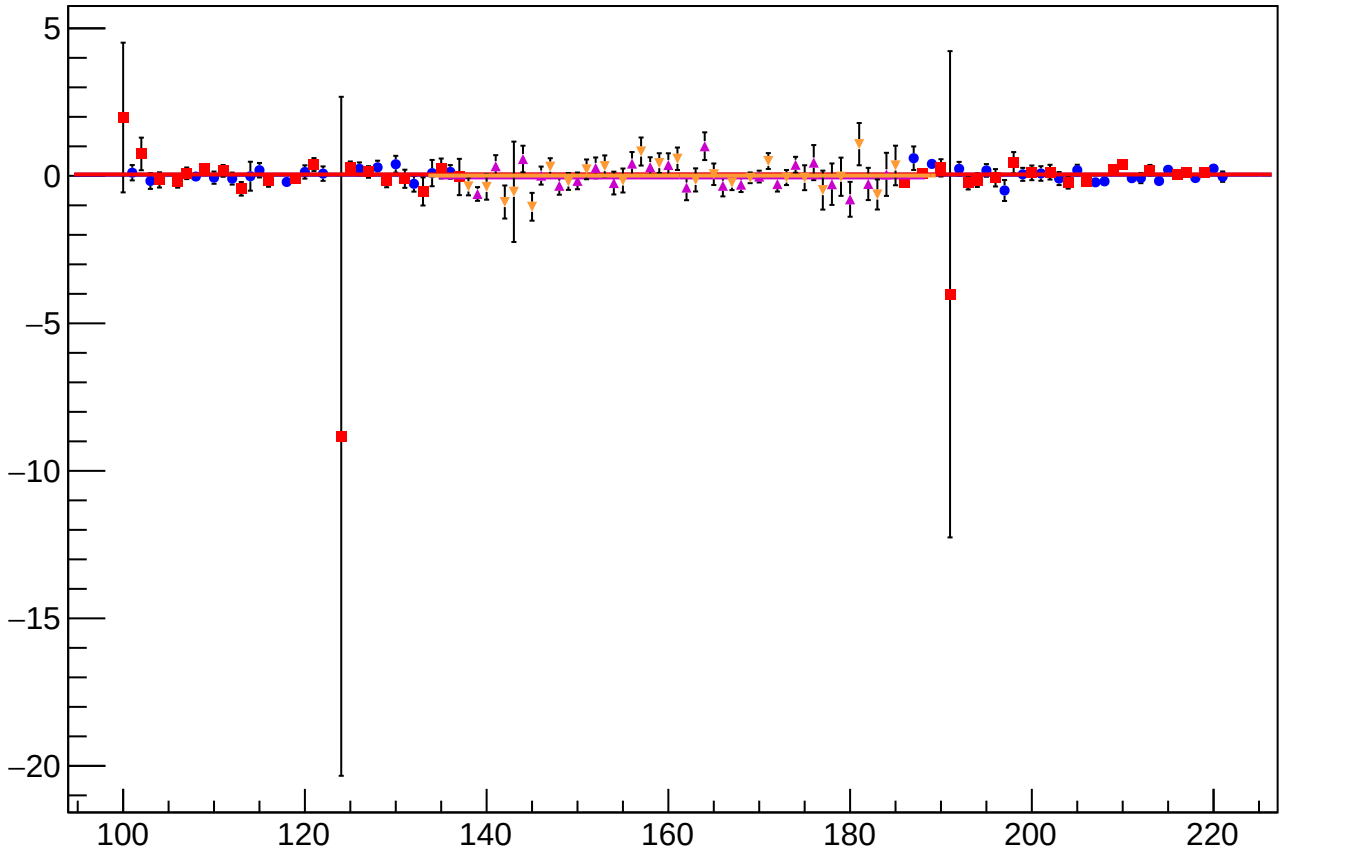
Right Out: 0.000+/-0.000 χ^2/NDF: 8717055.0/36

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11897111.4/58

All: 0.000+/-0.000 χ^2/NDF: 24807649.4/118

- sign 0.000+/-0.000 χ^2/NDF: 12634307.7/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

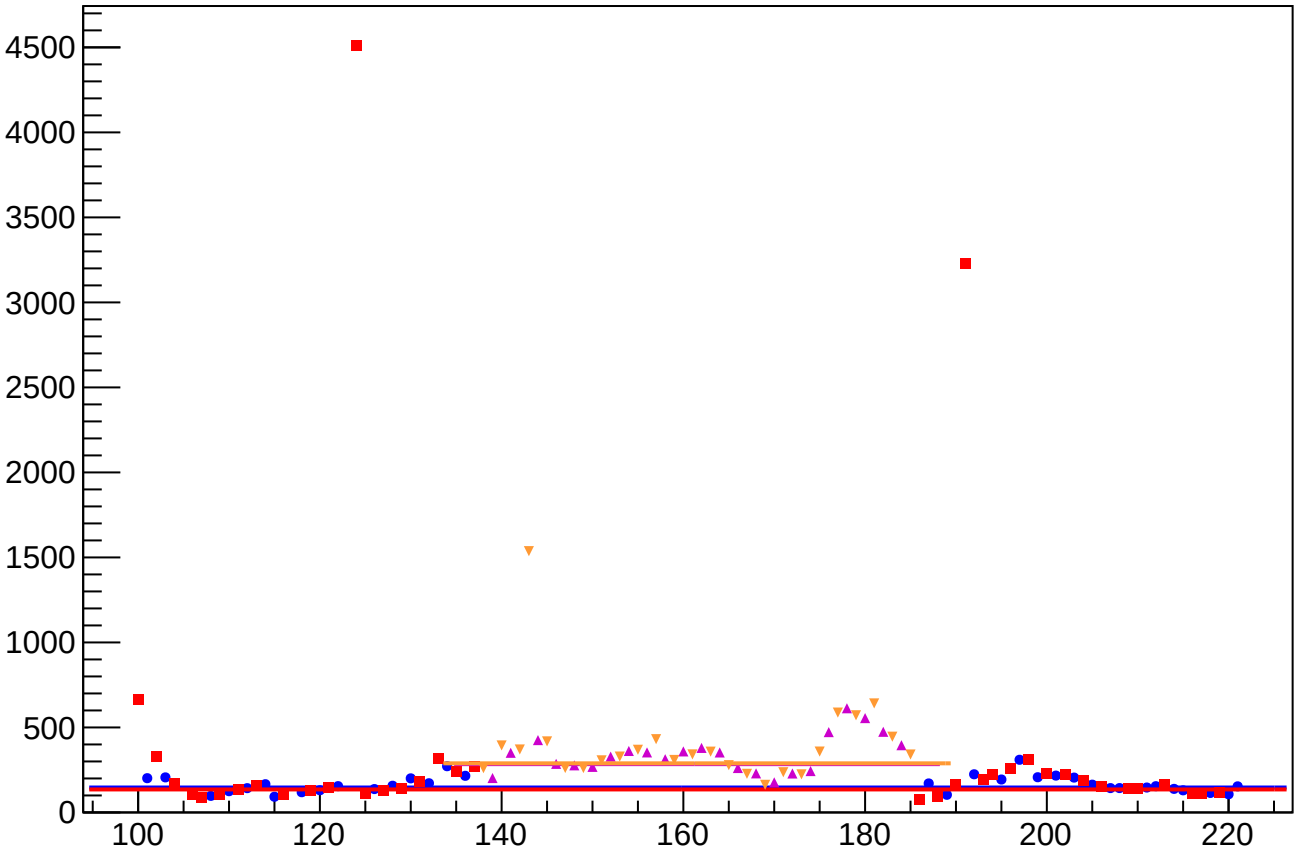
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

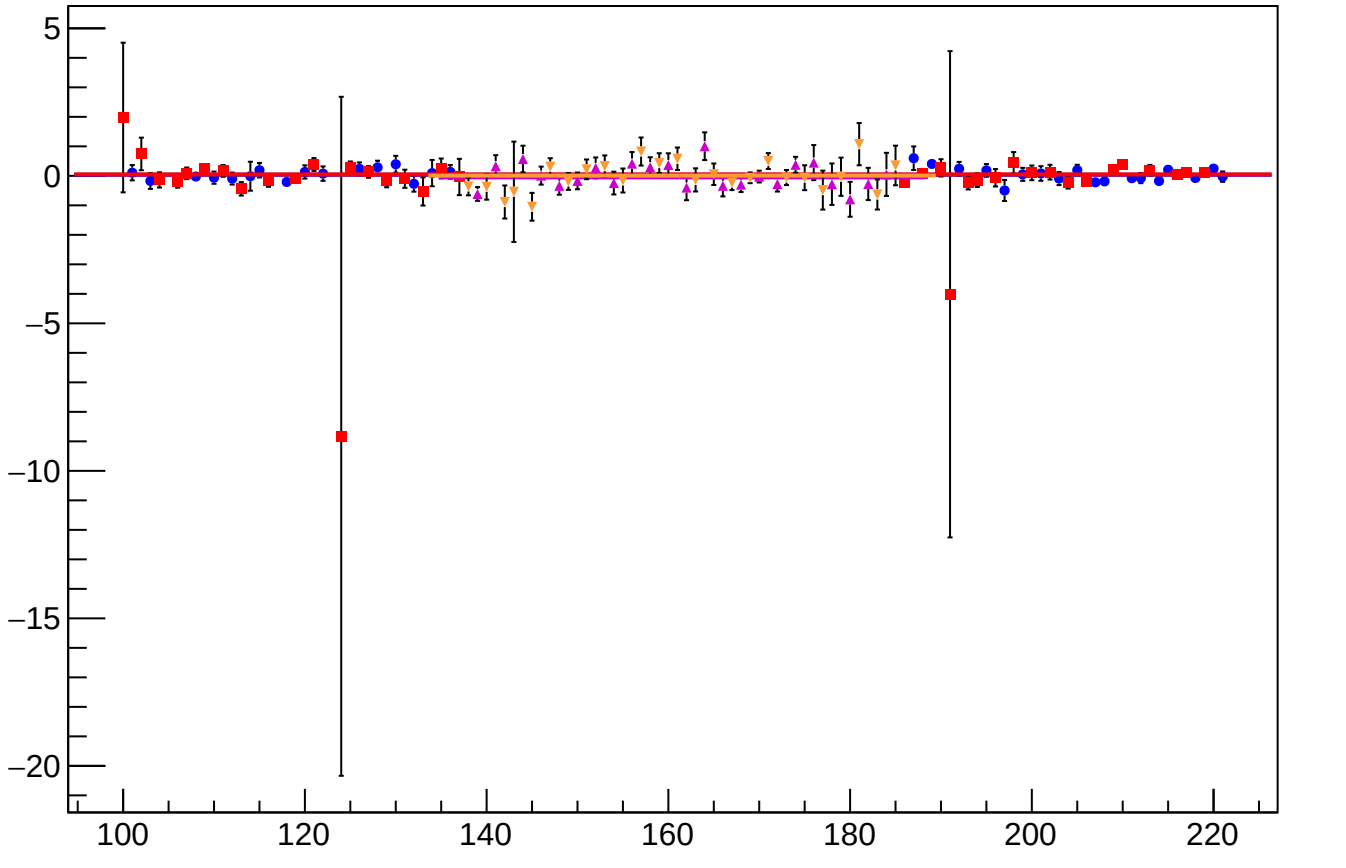
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 146.699+/-0.023 χ²/NDF: 2786151.2/33
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 135.355+/-0.023 χ²/NDF: 4934682.1/36
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 172.105+/-0.021 χ²/NDF: 14022479.3/58
All: 166.386+/-0.015 χ²/NDF: 29573288.7/11
- sign 160.971+/-0.021 χ²/NDF: 15409459.6/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

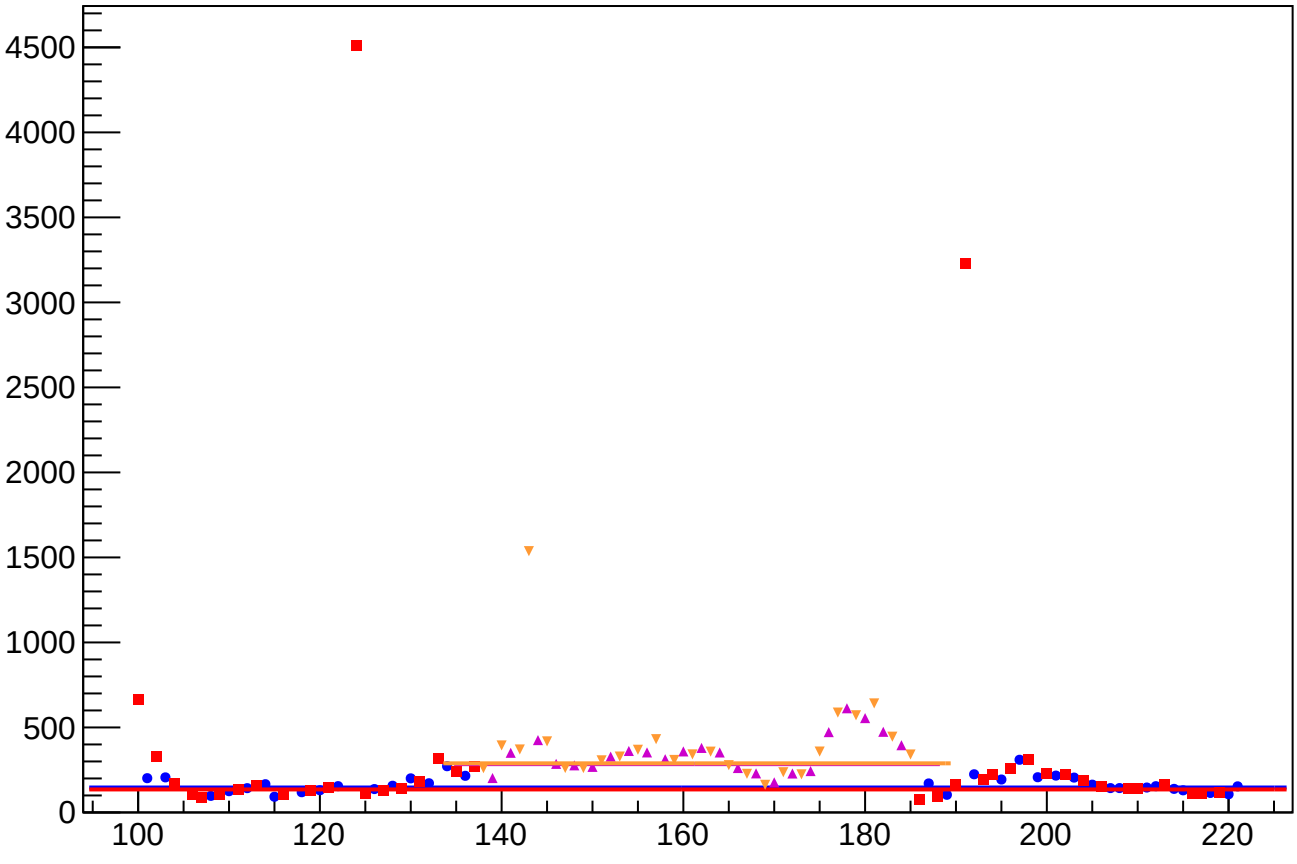
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

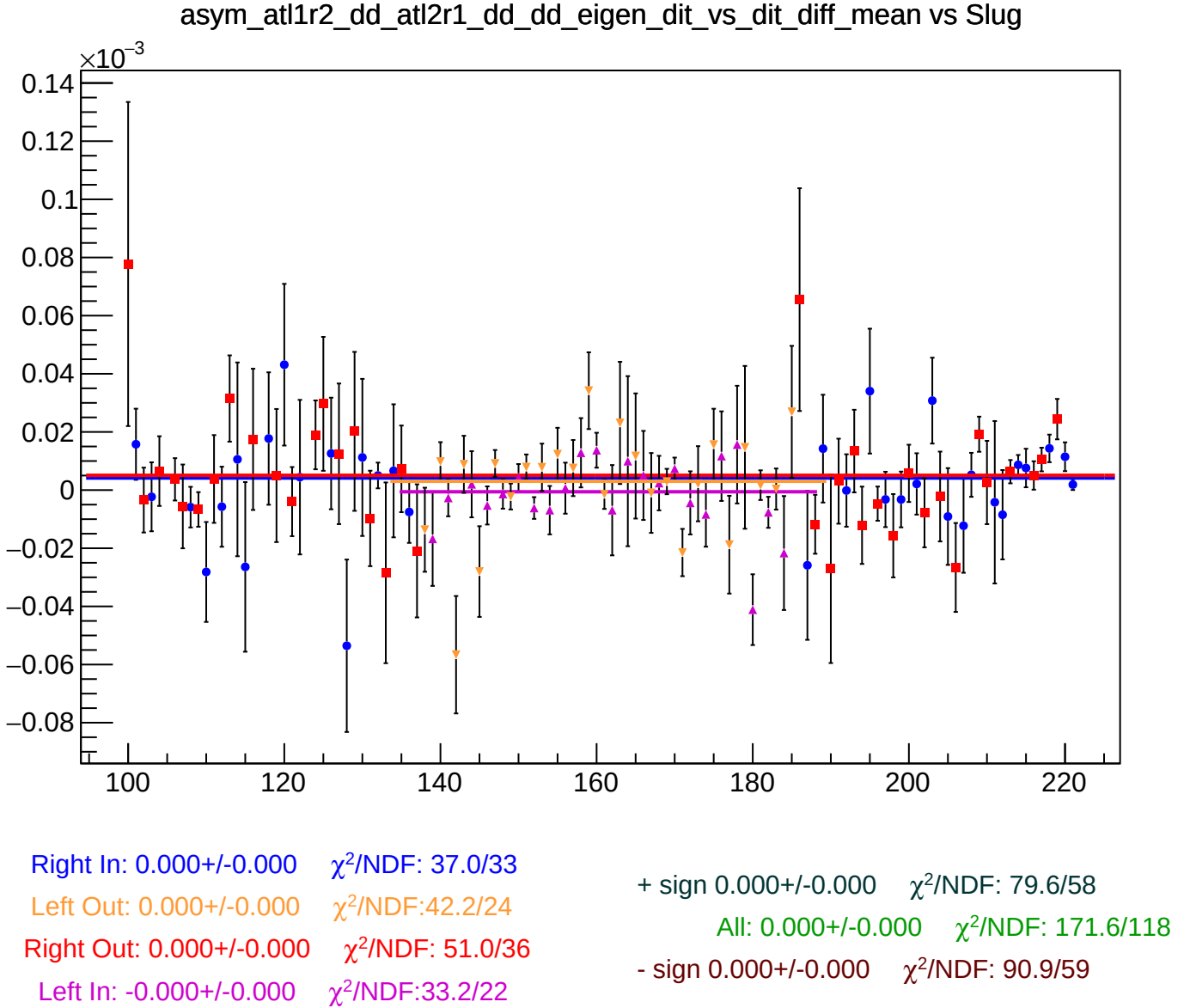
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

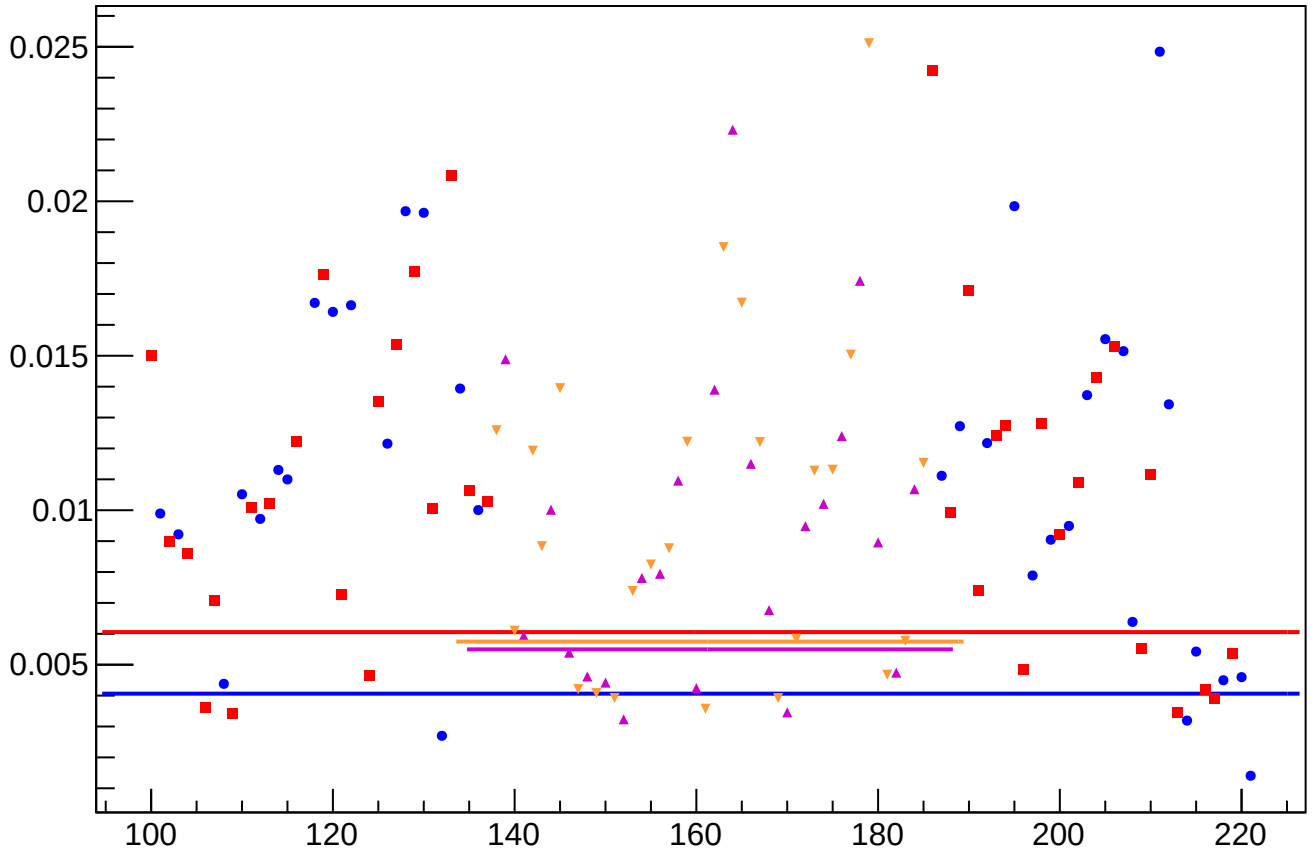
+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 146.699+/-0.023 χ²/NDF: 2786151.2/33
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 135.355+/-0.023 χ²/NDF: 4934682.1/36
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 172.105+/-0.021 χ²/NDF: 14022479.3/58
All: 166.386+/-0.015 χ²/NDF: 29573288.7/11
- sign 160.971+/-0.021 χ²/NDF: 15409459.6/59


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.14
0.12
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
220
Right In: 0.000+/-0.000 χ²/NDF: 37.0/33
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 51.0/36
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 79.6/58
All: 0.000+/-0.000 χ²/NDF: 171.6/118
- sign 0.000+/-0.000 χ²/NDF: 90.9/59



Right In: 0.004+/-0.000 χ^2/NDF: 18926089.1/33

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

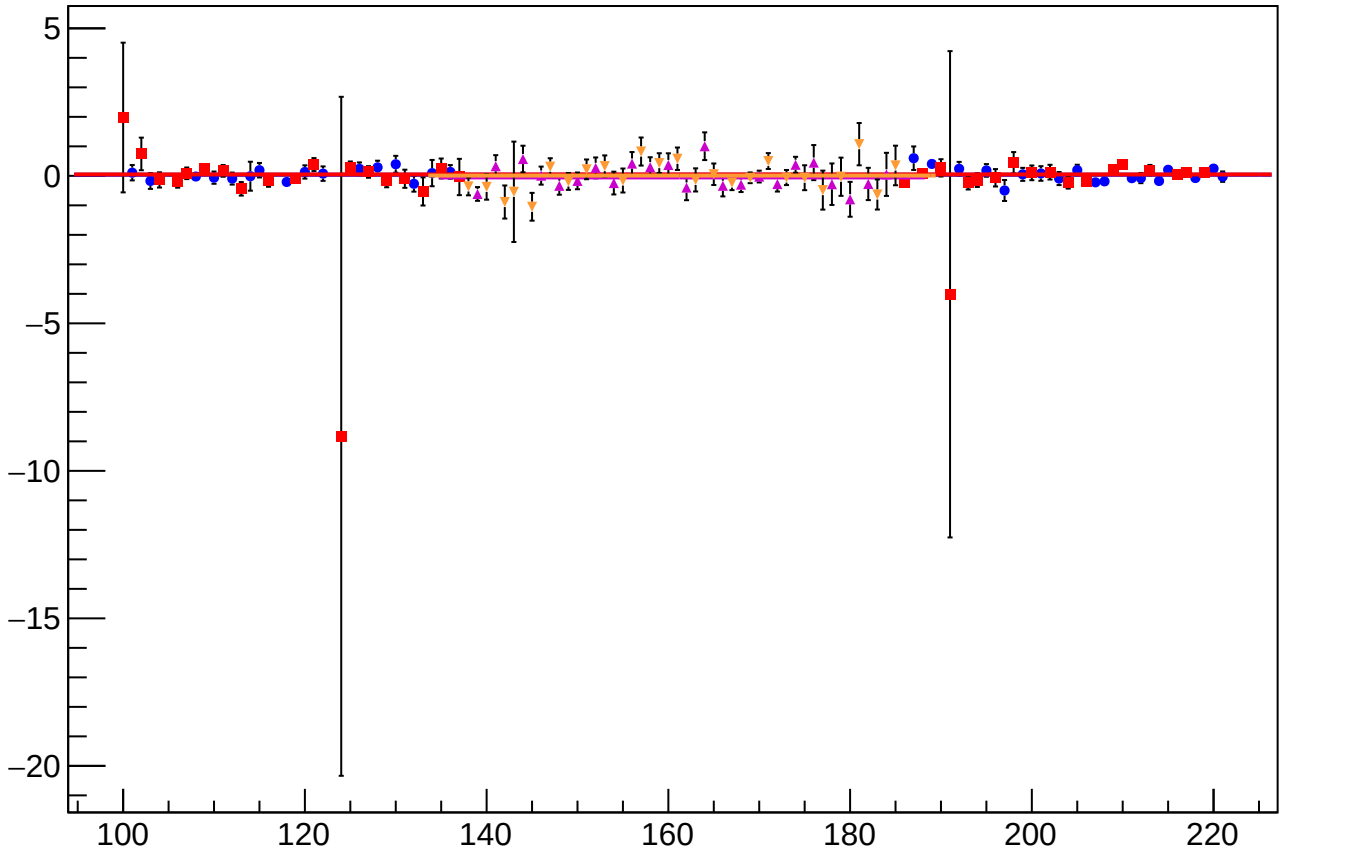
Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.005+/-0.000 χ^2/NDF: 28552169.1/58

All: 0.005+/-0.000 χ^2/NDF: 46554619.6/118

- sign 0.006+/-0.000 χ^2/NDF: 16938126.0/59



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

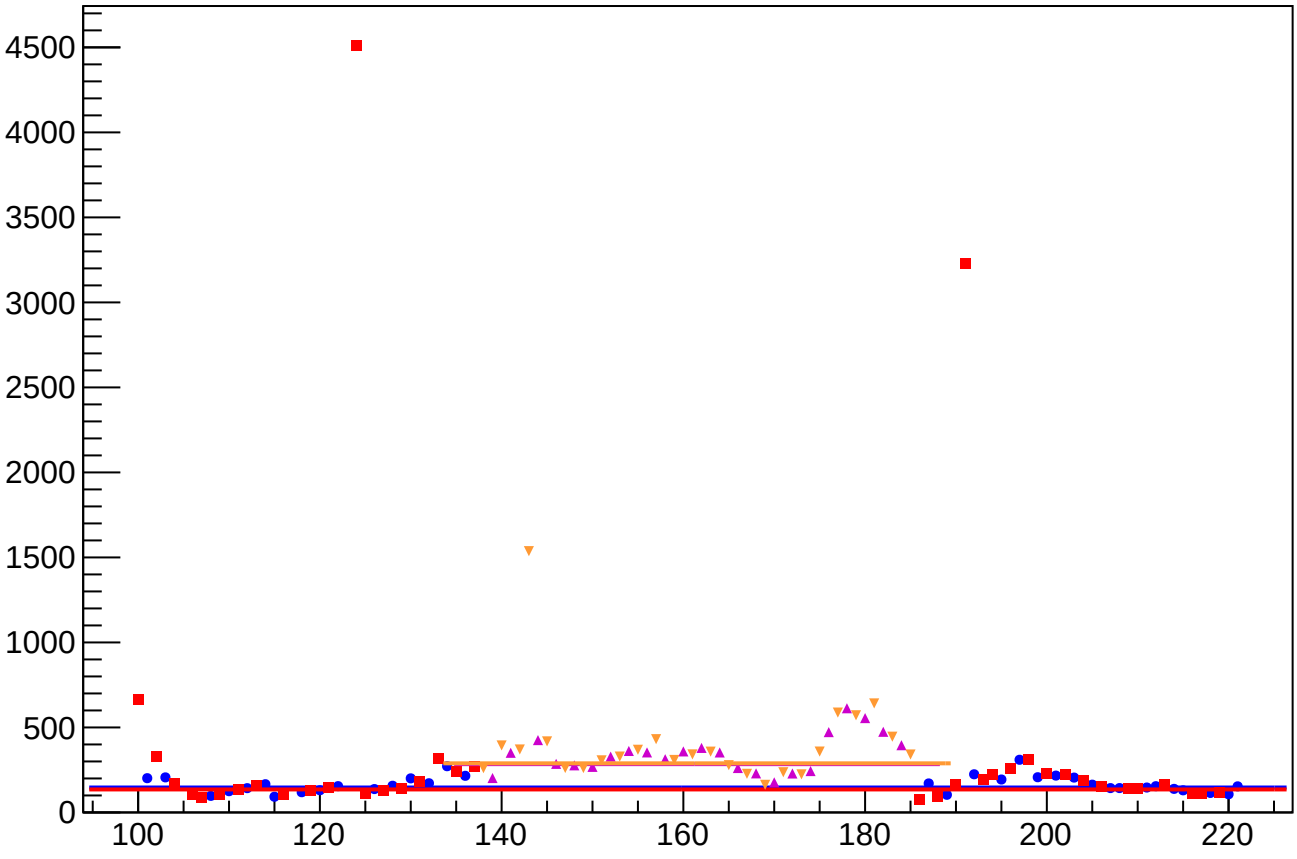
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

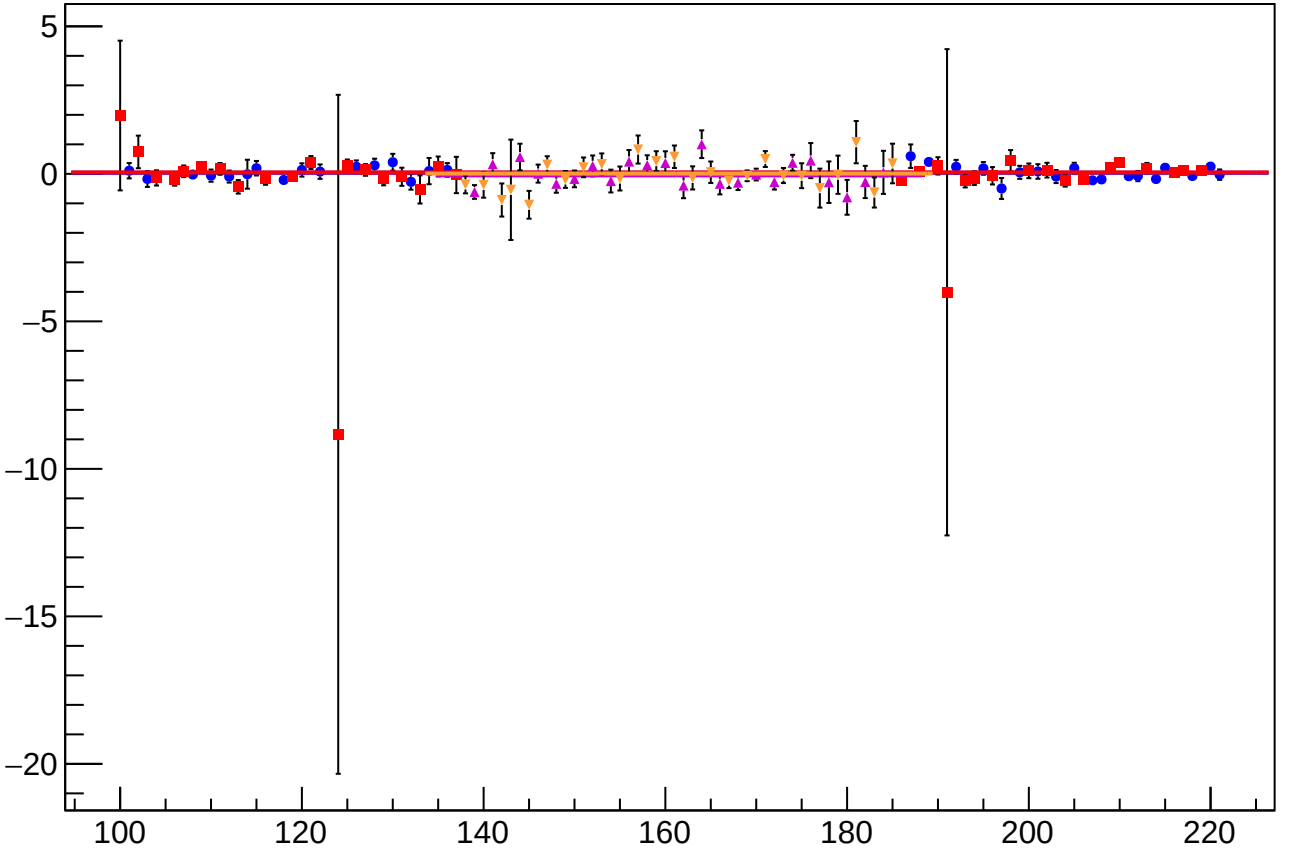
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.037+/-0.033 χ^2/NDF: 35.4/33

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

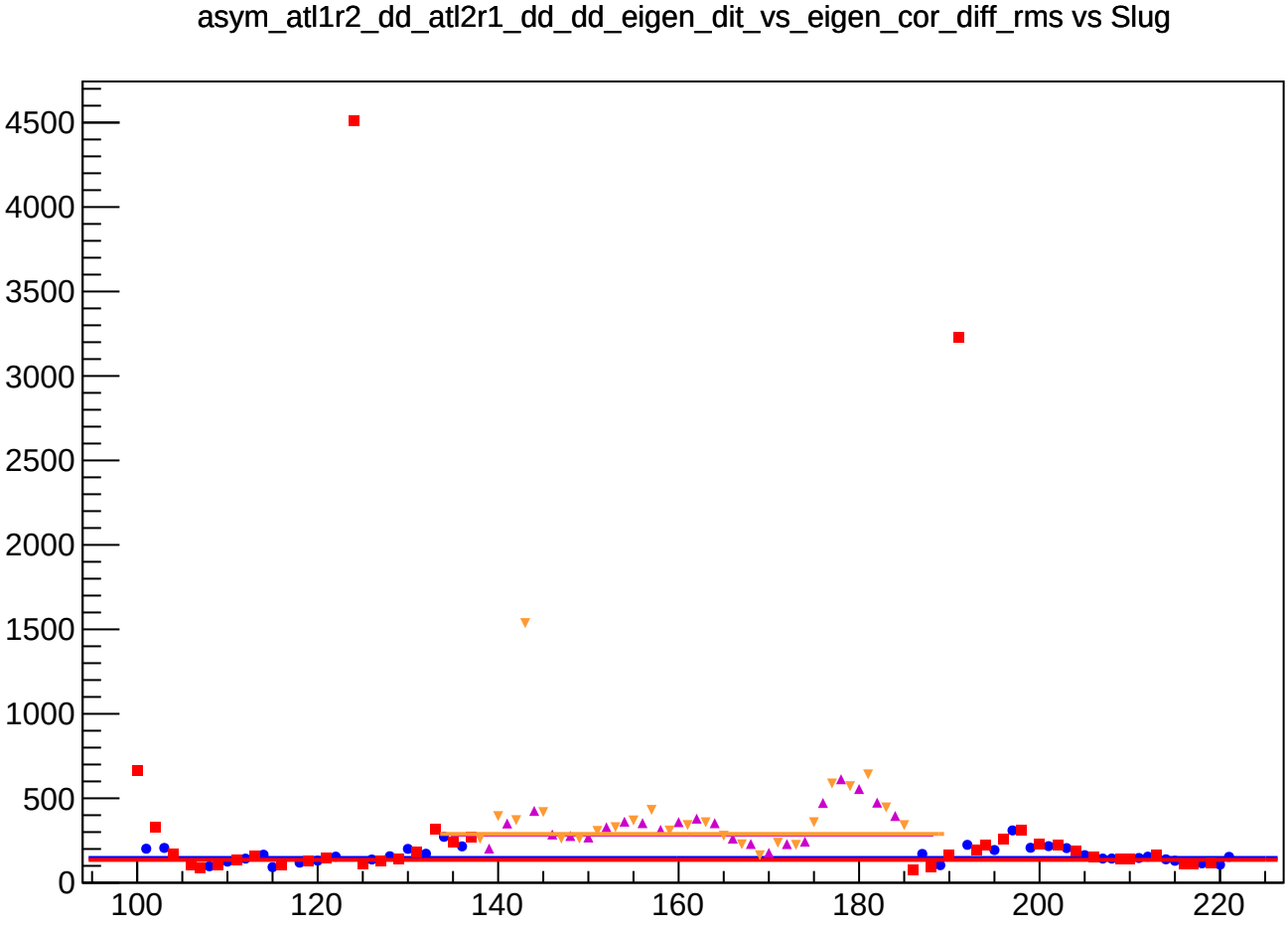
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.032+/-0.030 χ^2/NDF: 64.4/58

All: 0.031+/-0.021 χ^2/NDF: 135.4/118

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.699+/-0.023 χ^2/NDF: 2786160.0/33

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

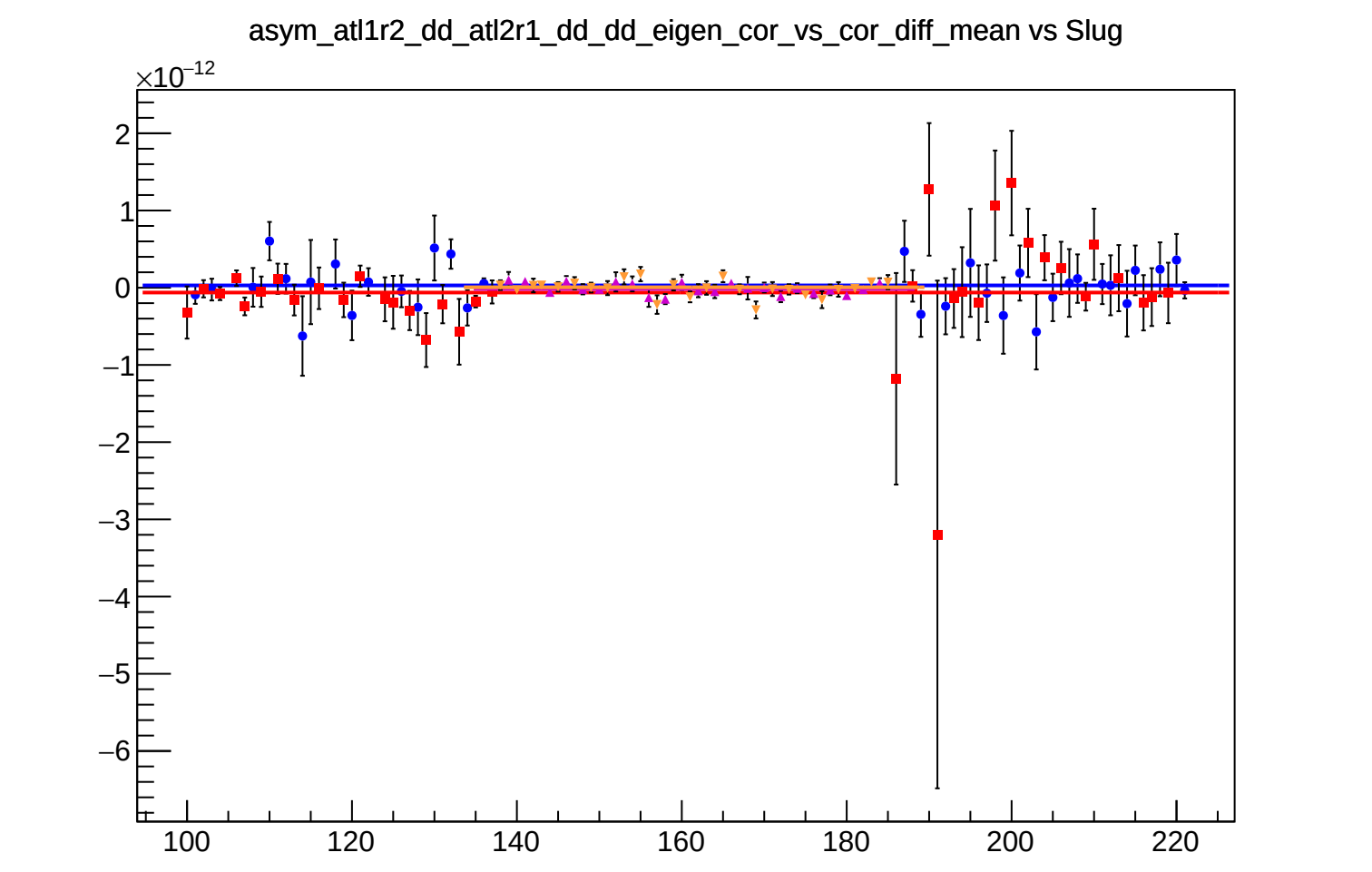
Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.106+/-0.021 χ^2/NDF: 14022616.4/58

All: 166.388+/-0.015 χ^2/NDF: 29573167.1/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

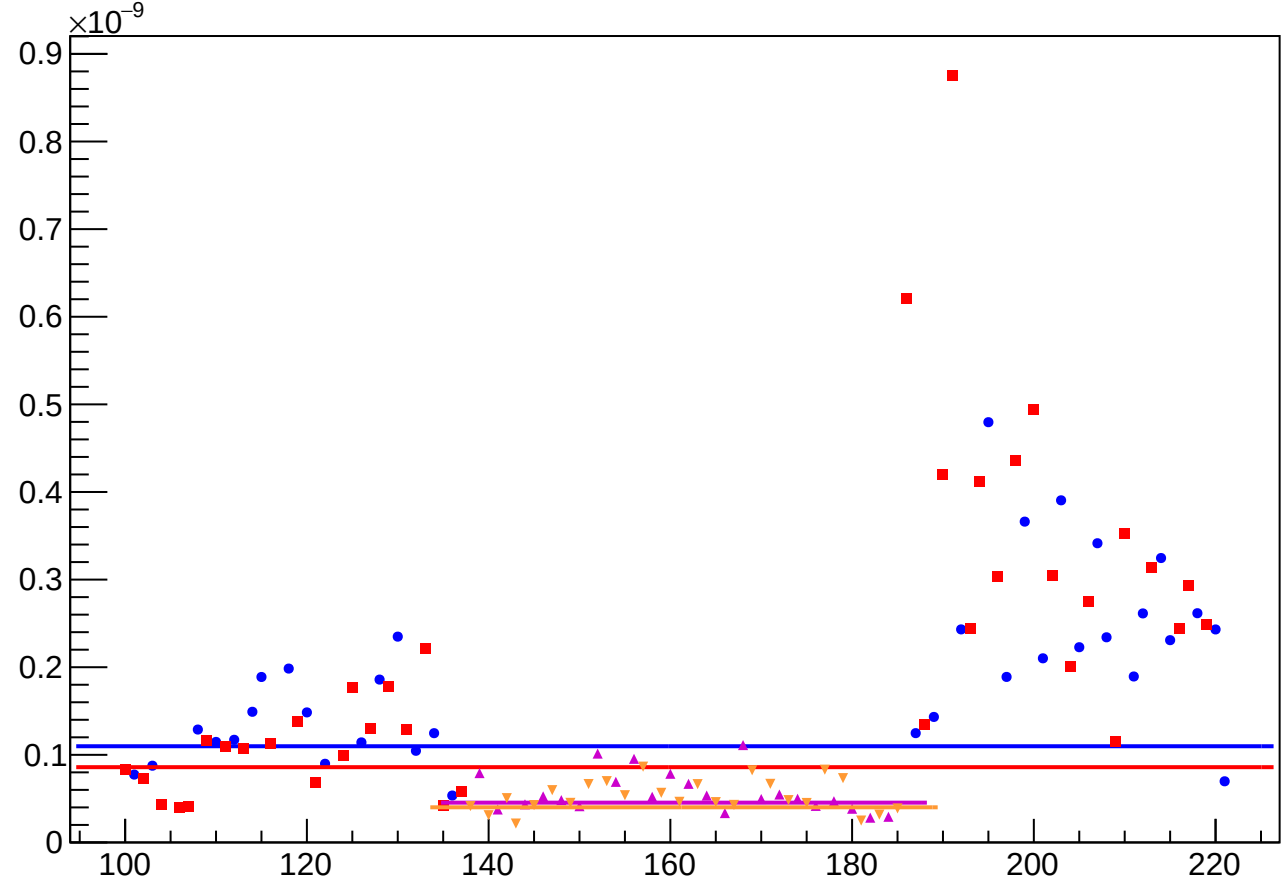
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.4/58

All: -0.000+/-0.000 χ^2/NDF: 128.1/118

- sign -0.000+/-0.000 χ^2/NDF: 62.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 7882944.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

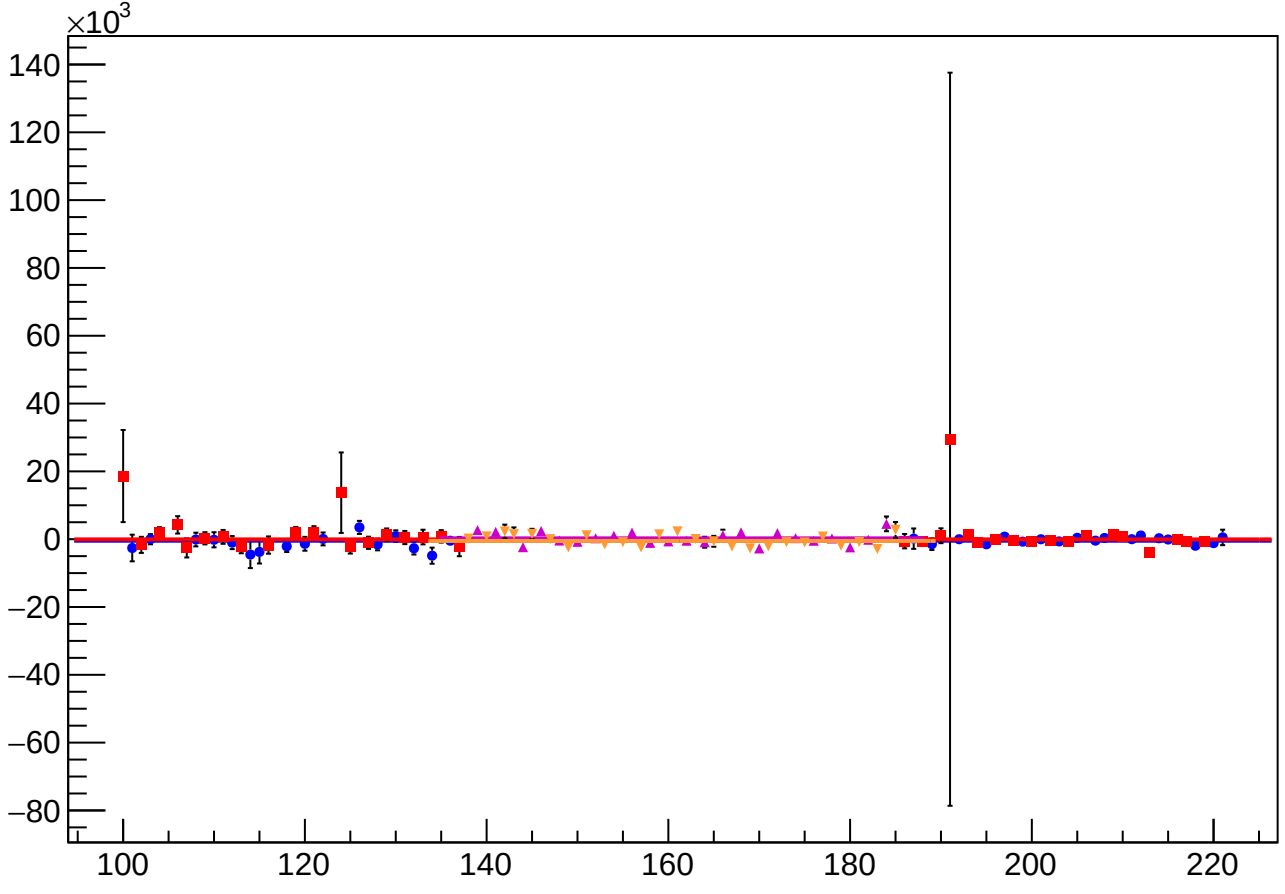
Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18185511.9/58

All: 0.000+/-0.000 χ^2/NDF: 34202884.1/118

- sign 0.000+/-0.000 χ^2/NDF: 15887395.3/59



Right In: -447.361+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -60.765+/-280.571 χ^2/NDF: 30.2/36

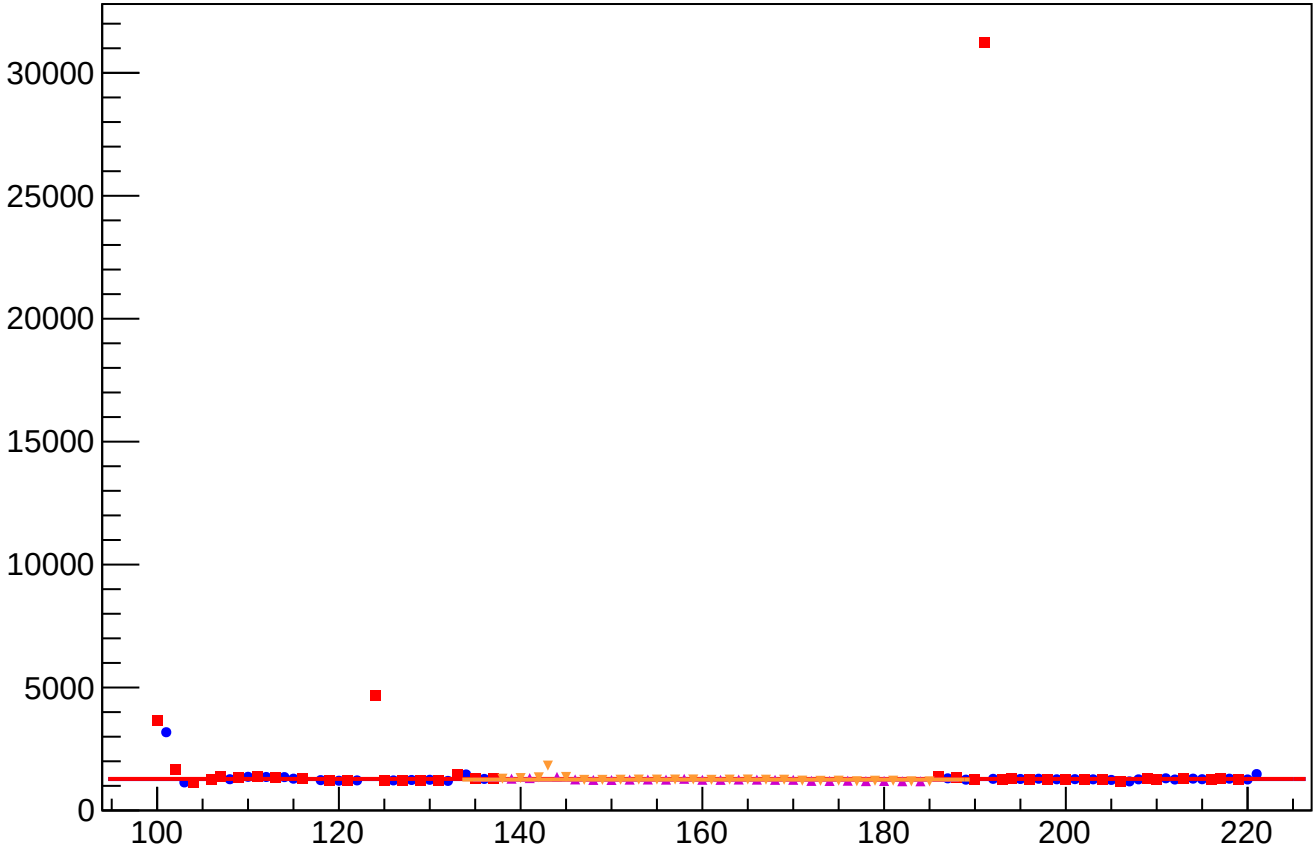
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -479.893+/-199.067 χ^2/NDF: 50.9/58

All: -201.460+/-141.799 χ^2/NDF: 117.7/118

- sign 85.339+/-202.036 χ^2/NDF: 62.8/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550800.6/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

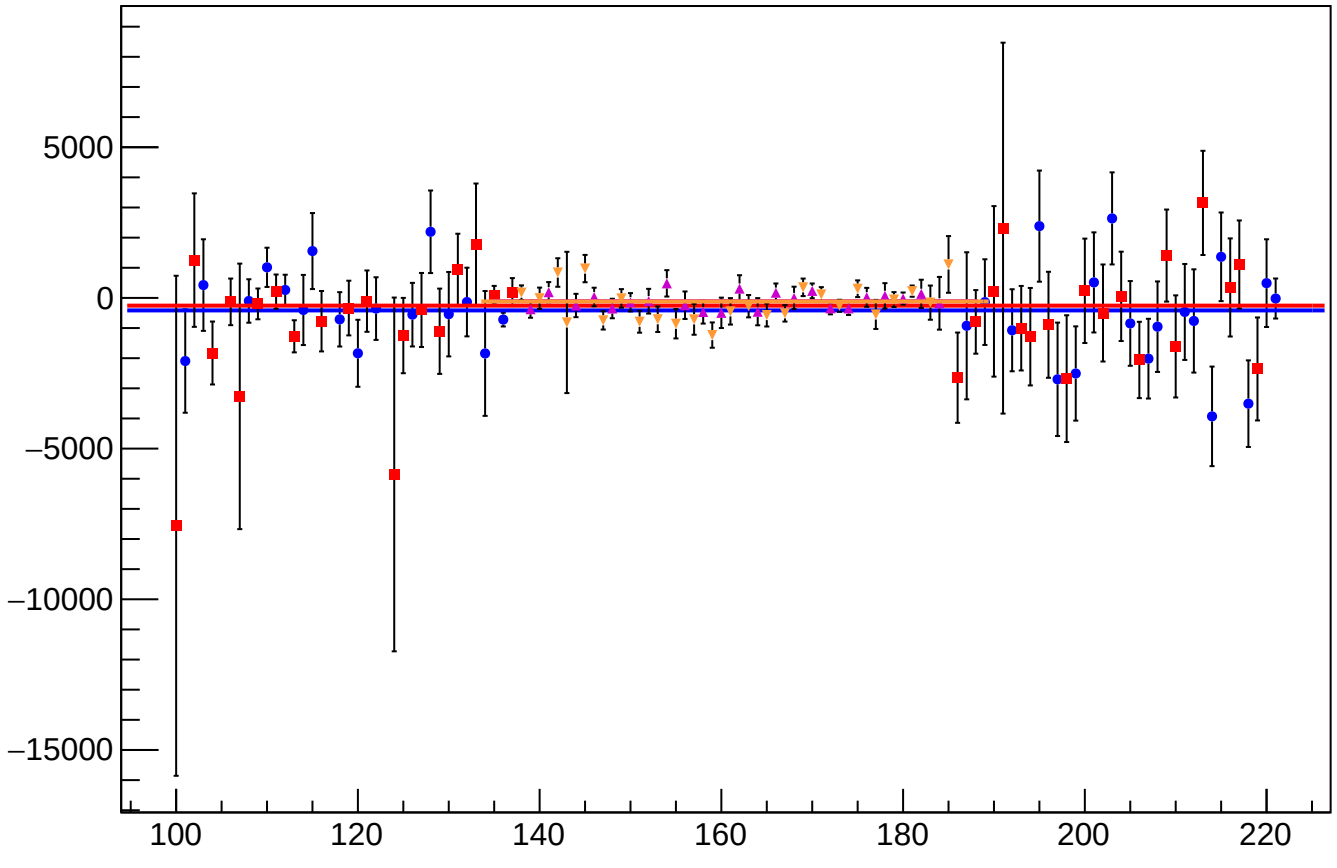
Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759556.9/58

All: 1265.856+/-0.100 χ^2/NDF: 1324501.9/11

- sign 1265.289+/-0.143 χ^2/NDF: 564914.0/59



Right In: -414.601+/-149.684 χ^2/NDF: 41.5/33

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -256.088+/-154.653 χ^2/NDF: 30.4/36

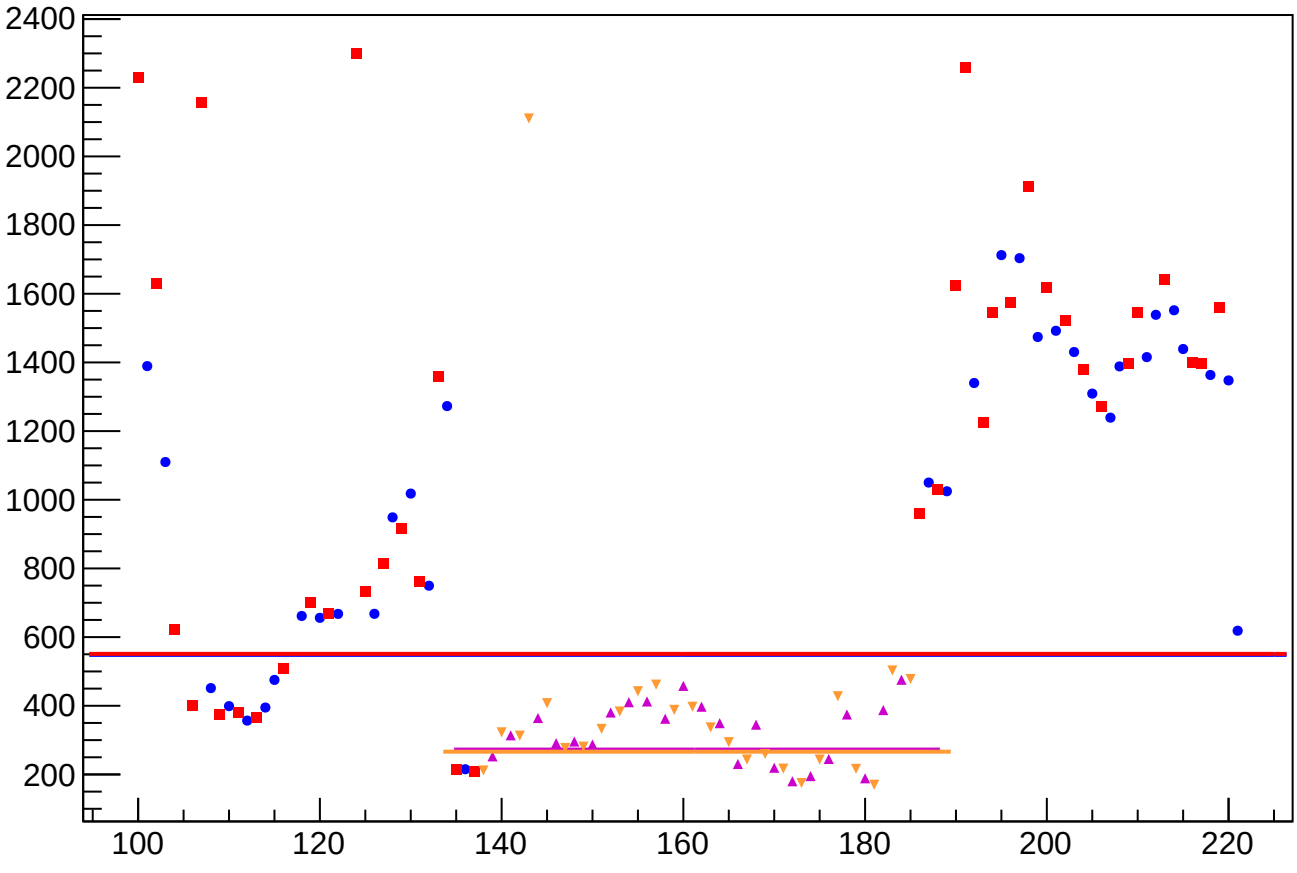
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -164.312+/-59.667 χ^2/NDF: 93.3/58

All: -148.080+/-42.817 χ^2/NDF: 138.3/118

\- sign -130.848+/-61.479 χ^2/NDF: 44.9/59

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug



Right In: 548.299+/-0.106 χ^2/NDF: 16579464.4/33

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

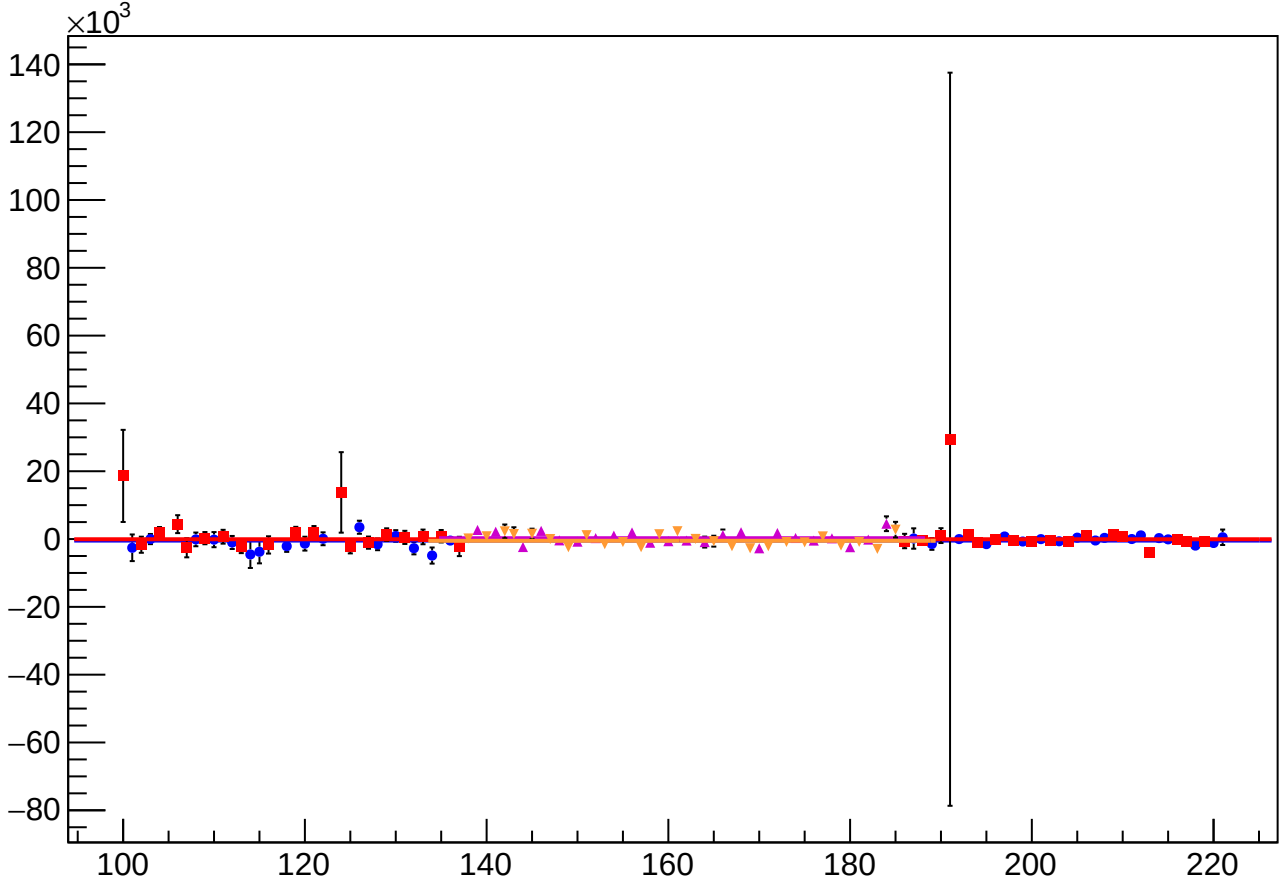
Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 311.126+/-0.042 χ^2/NDF: 27179424.2/58

All: 313.695+/-0.030 χ^2/NDF: 52062794.9/11

- sign 316.423+/-0.043 χ^2/NDF: 24875725.5/59



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

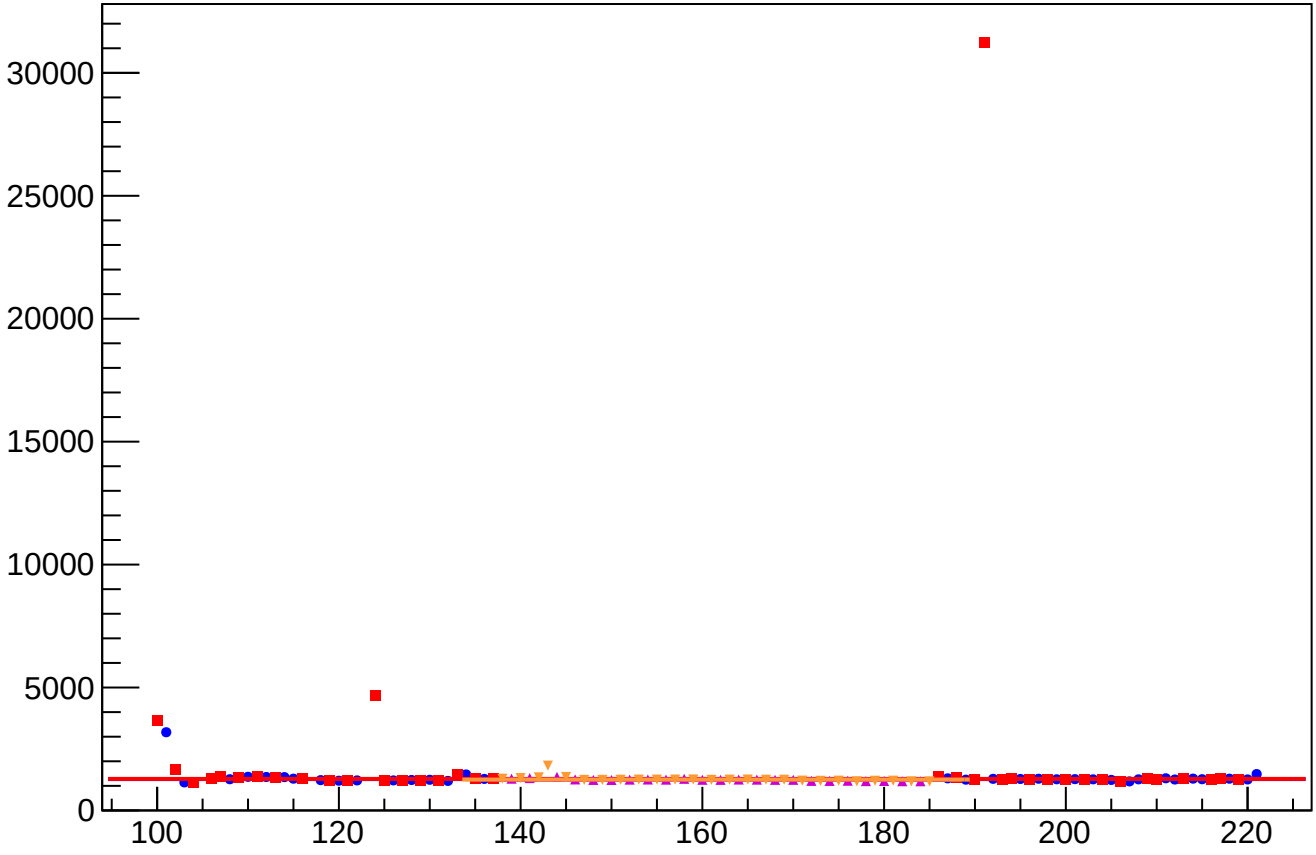
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -201.733+/-141.812 χ^2/NDF: 117.8/118

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

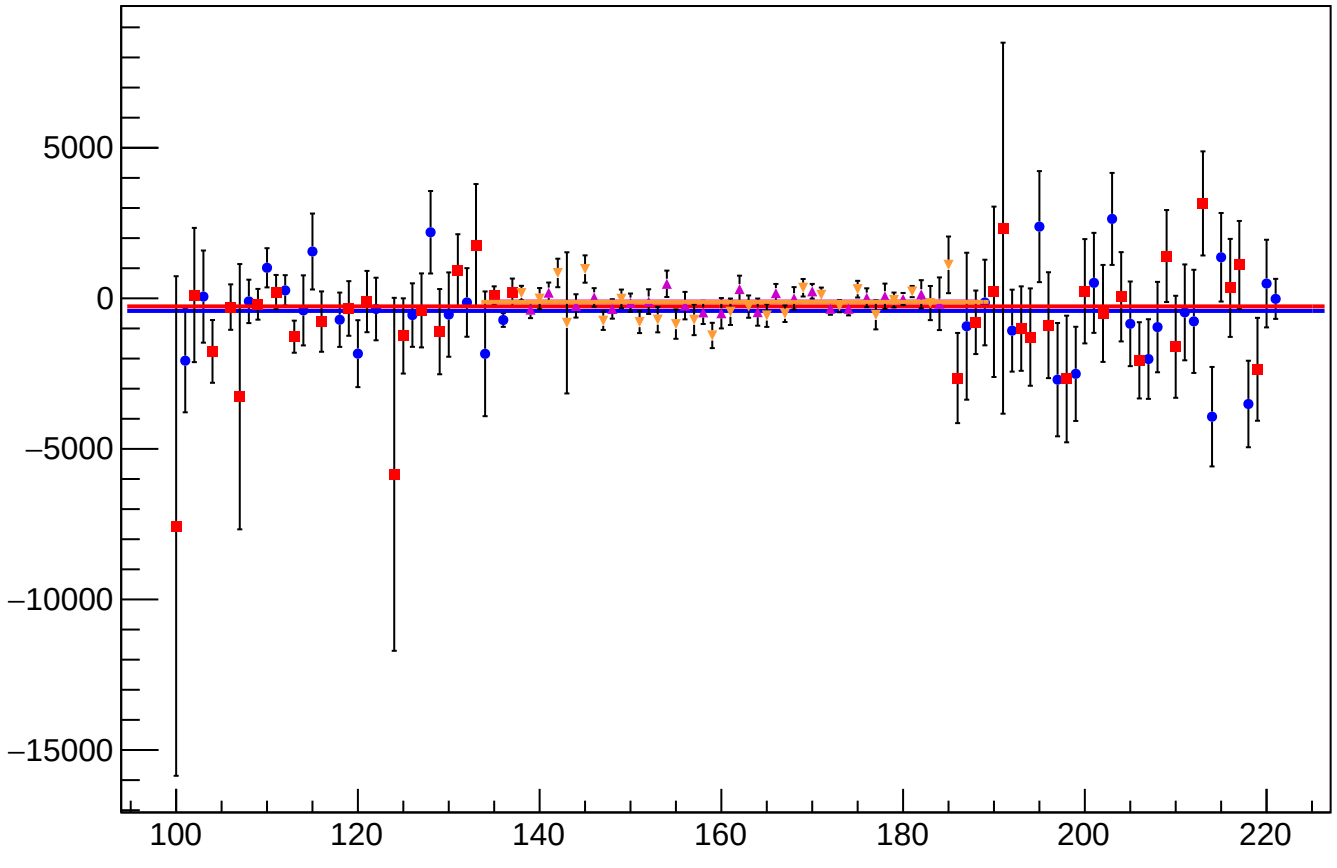
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

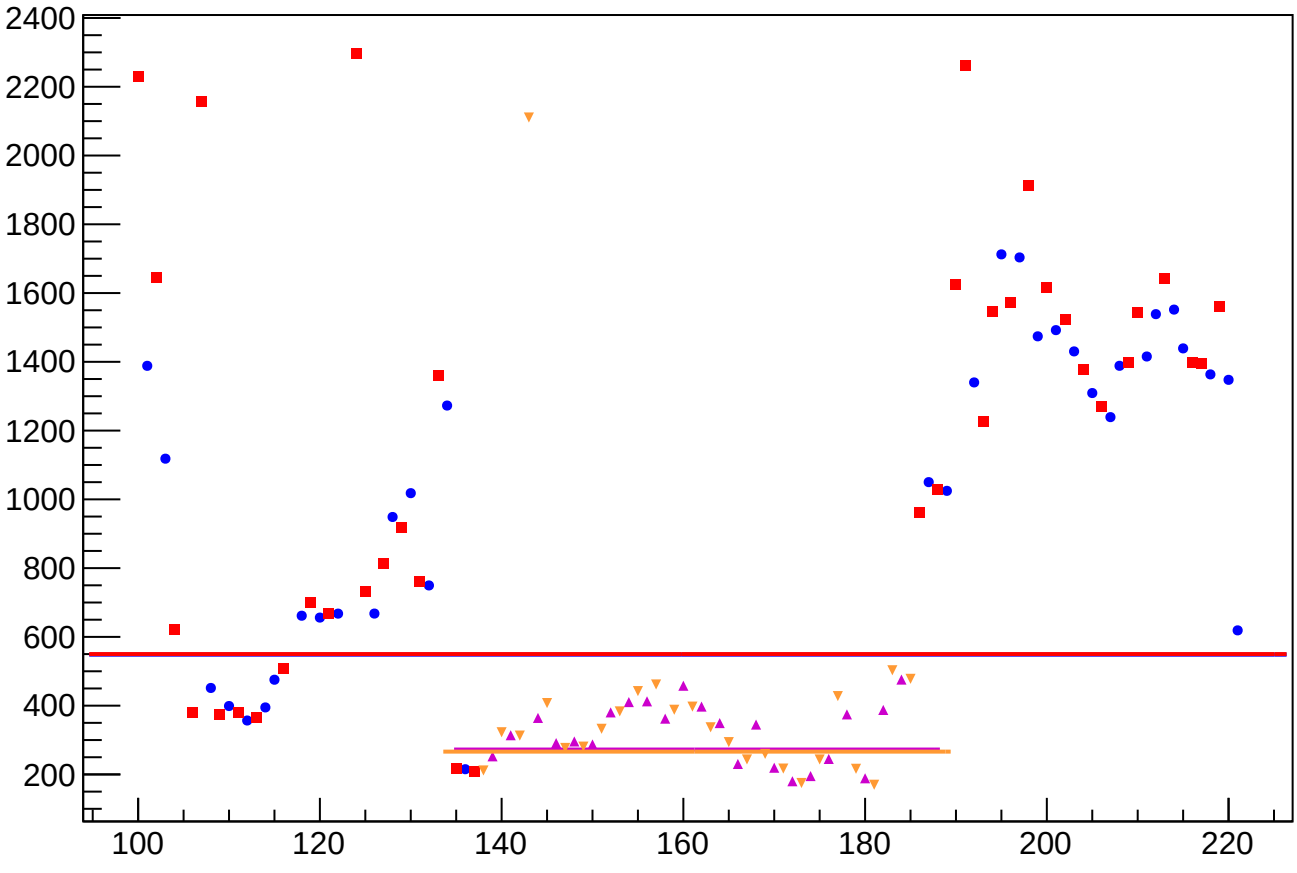
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -164.829+/-59.669 χ^2/NDF: 93.1/58

All: -149.245+/-42.815 χ^2/NDF: 137.6/118

\- sign -132.704+/-61.471 χ^2/NDF: 44.3/59

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 548.342+/-0.106 χ^2/NDF: 16582614.5/33

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

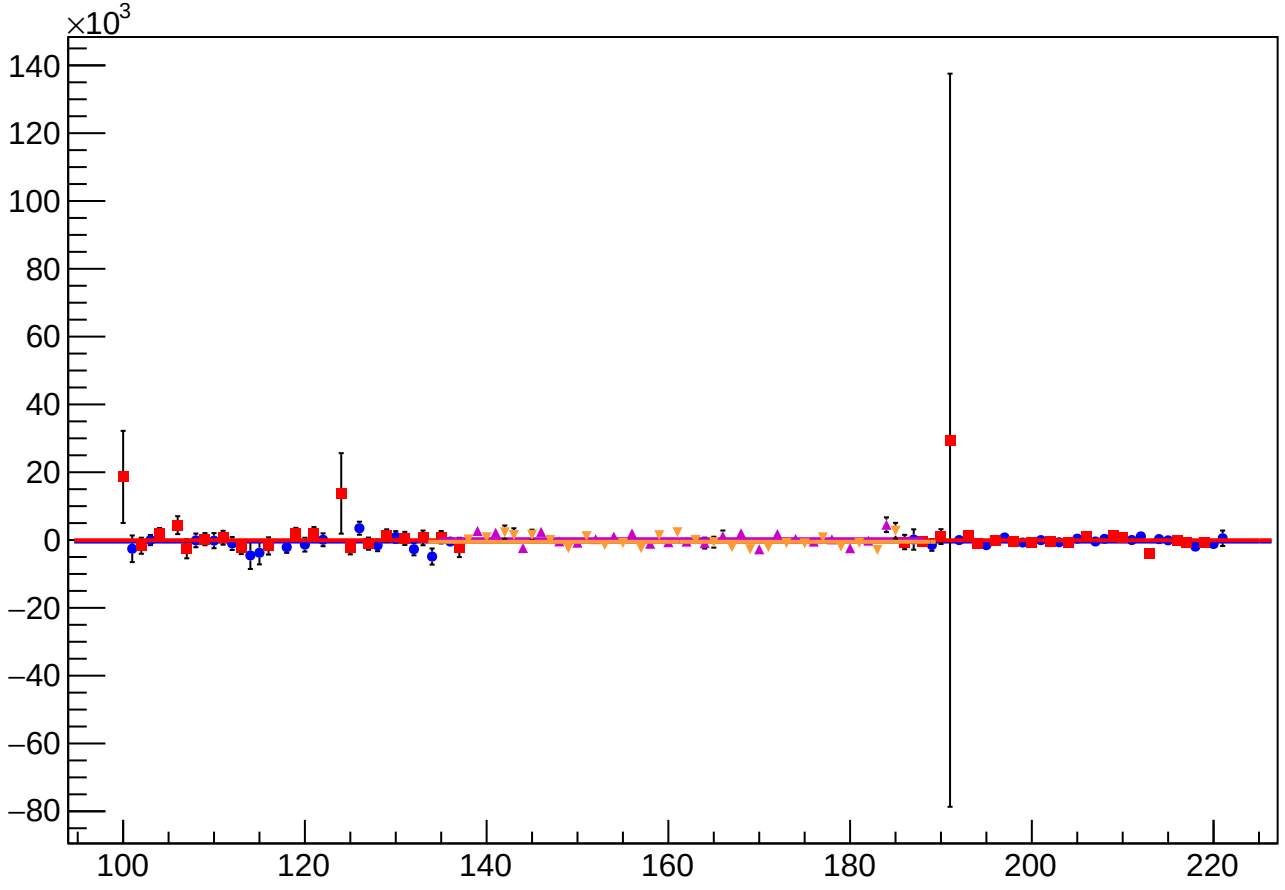
Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 311.130+/-0.042 χ^2/NDF: 27182948.1/58

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59



Right In: -447.215+/-277.300 χ^2/NDF: 20.0/33

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

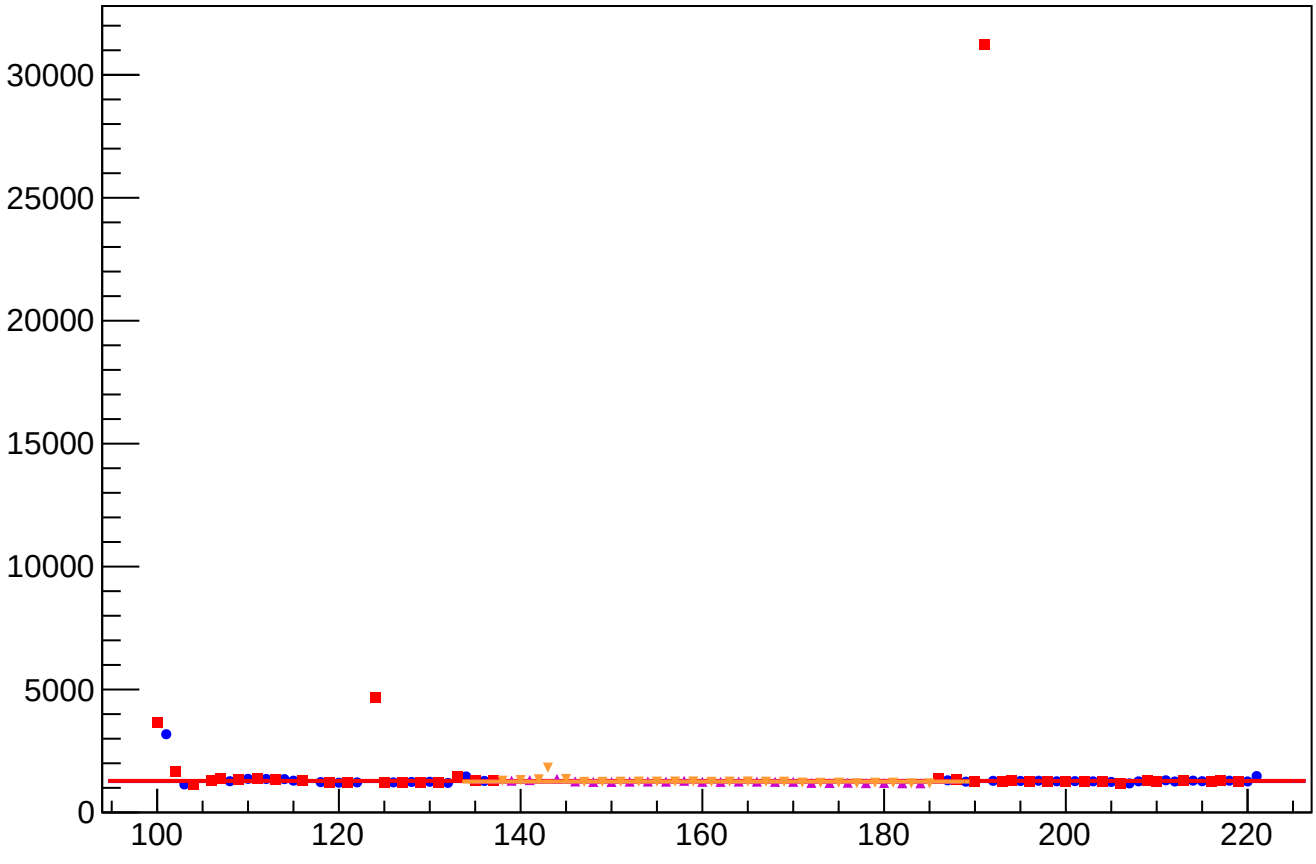
Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -479.791+/-199.067 χ^2/NDF: 50.9/58

All: -201.733+/-141.812 χ^2/NDF: 117.8/118

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59



Right In: 1276.652+/-0.196 χ^2/NDF: 550802.0/33

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

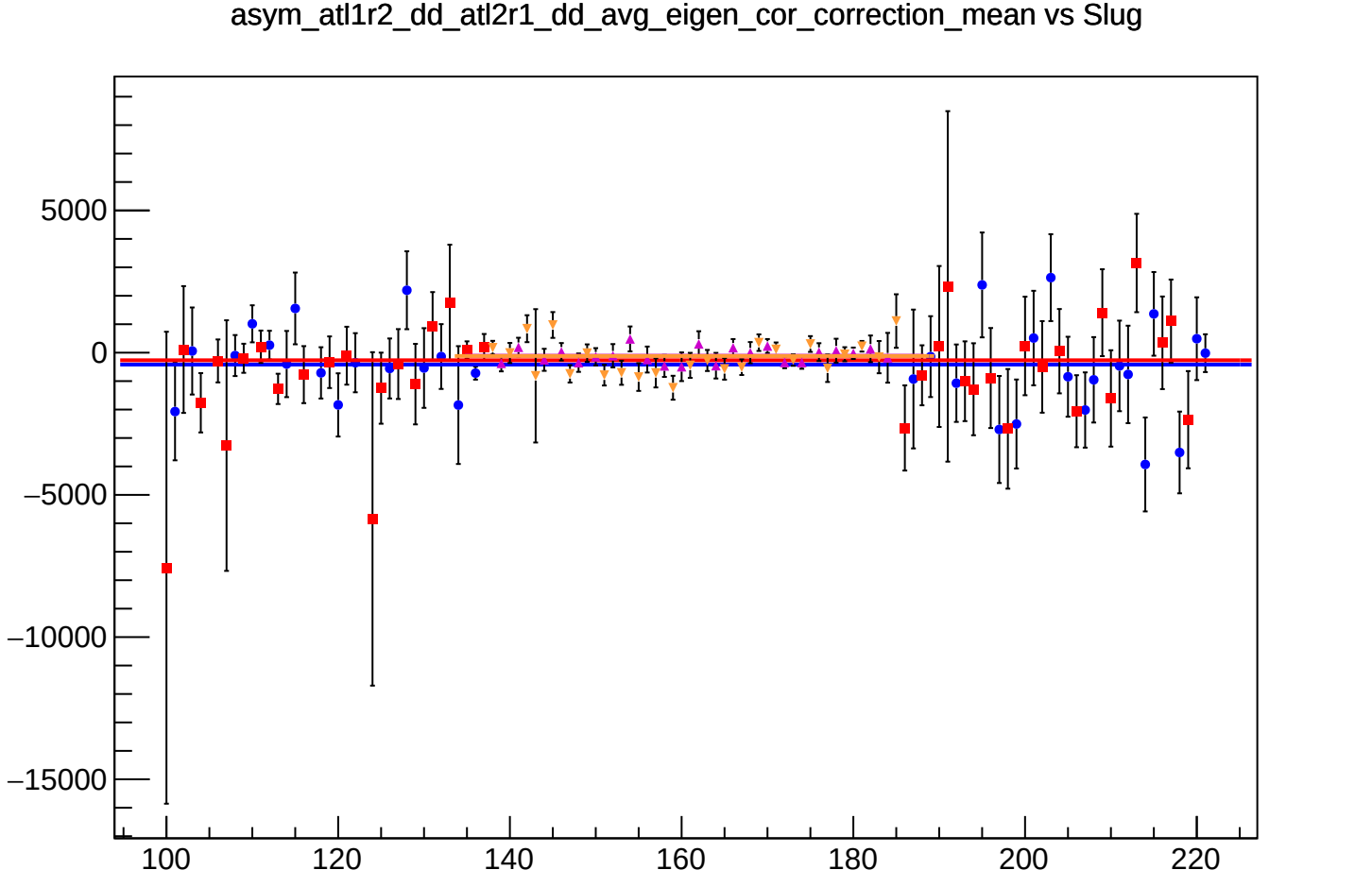
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1266.407+/-0.141 χ^2/NDF: 759558.2/58

All: 1265.974+/-0.100 χ^2/NDF: 1324913.3/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -418.049+/-149.702 χ^2/NDF: 41.3/33

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

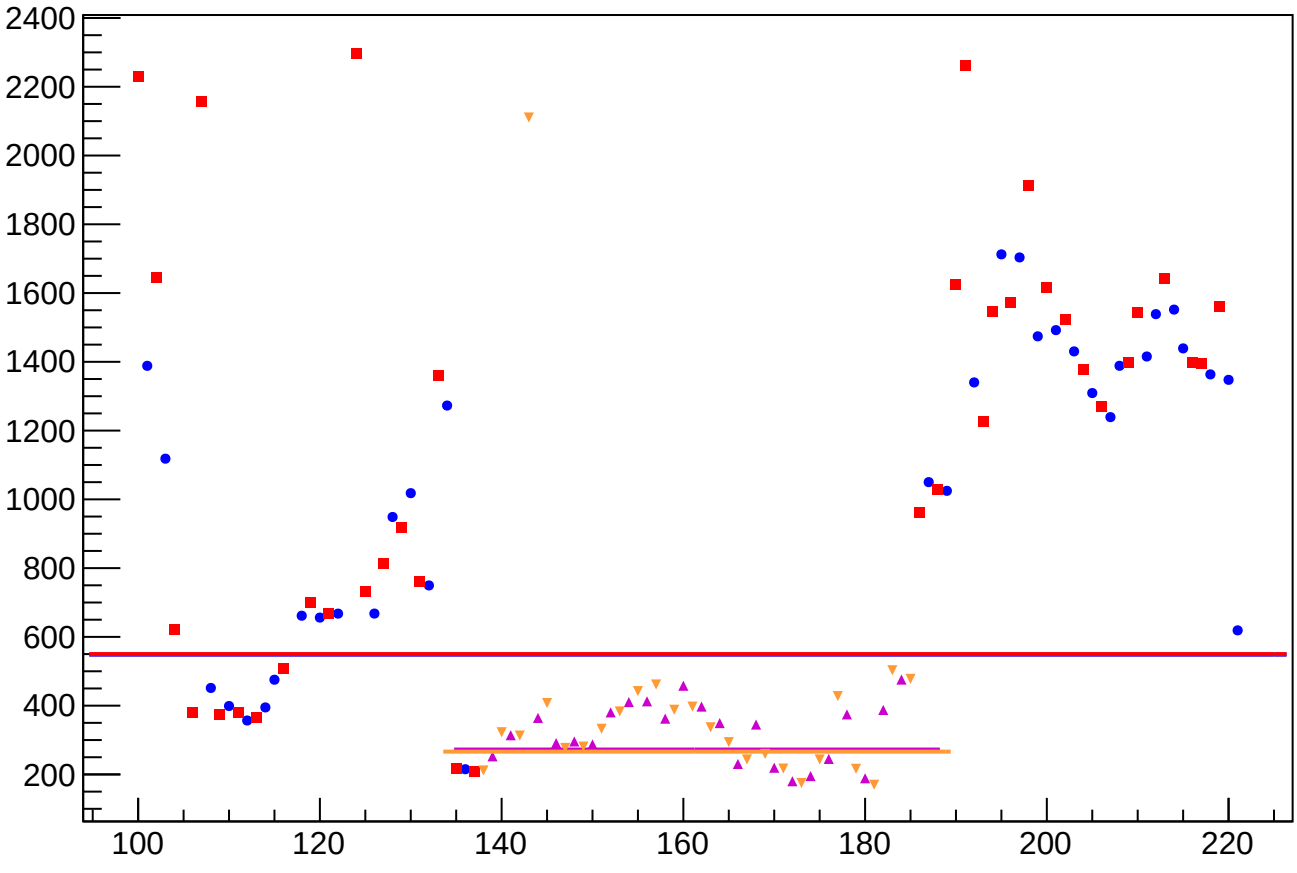
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -164.829+/-59.669 χ^2/NDF: 93.1/58

All: -149.245+/-42.815 χ^2/NDF: 137.6/118

- sign -132.704+/-61.471 χ^2/NDF: 44.3/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug



Right In: 548.342+/-0.106 χ^2/NDF: 16582614.5/33

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

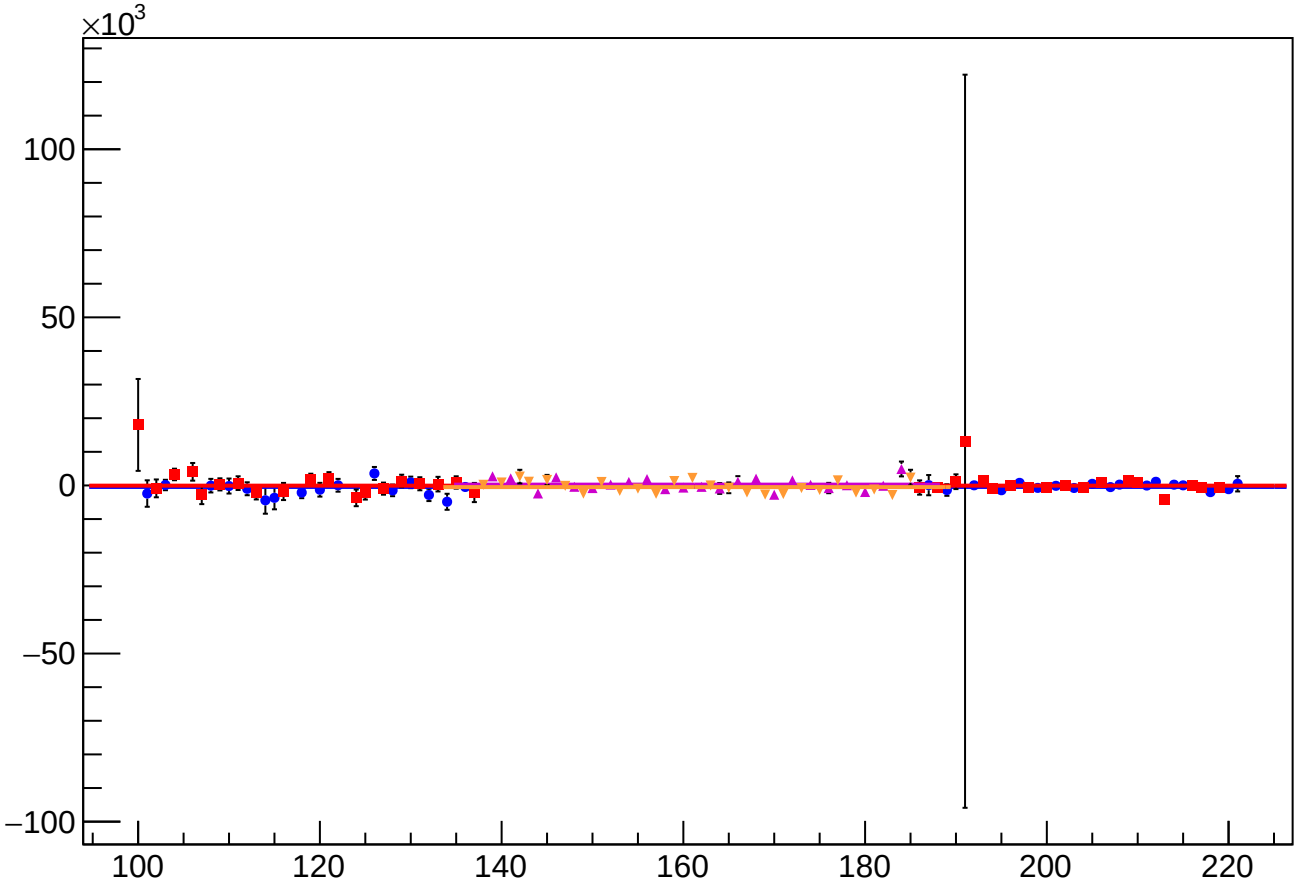
Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 311.130+/-0.042 χ^2/NDF: 27182948.1/58

All: 313.653+/-0.030 χ^2/NDF: 52063057.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59



Right In: -439.965+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -62.295+/-280.261 χ^2/NDF: 32.2/36

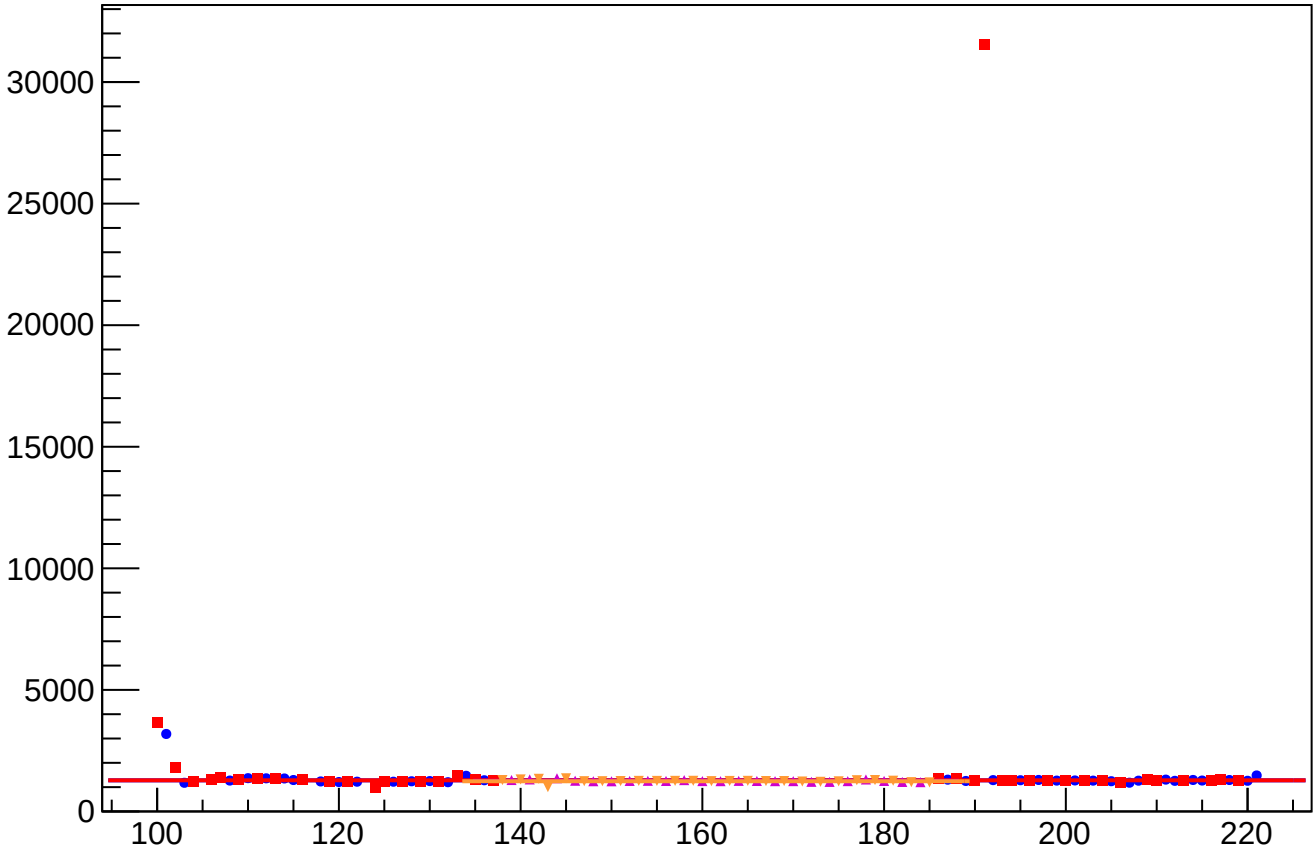
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.248+/-198.223 χ^2/NDF: 54.2/58

All: -198.412+/-141.813 χ^2/NDF: 121.4/118

- sign 82.403+/-202.969 χ^2/NDF: 63.4/59

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.6/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

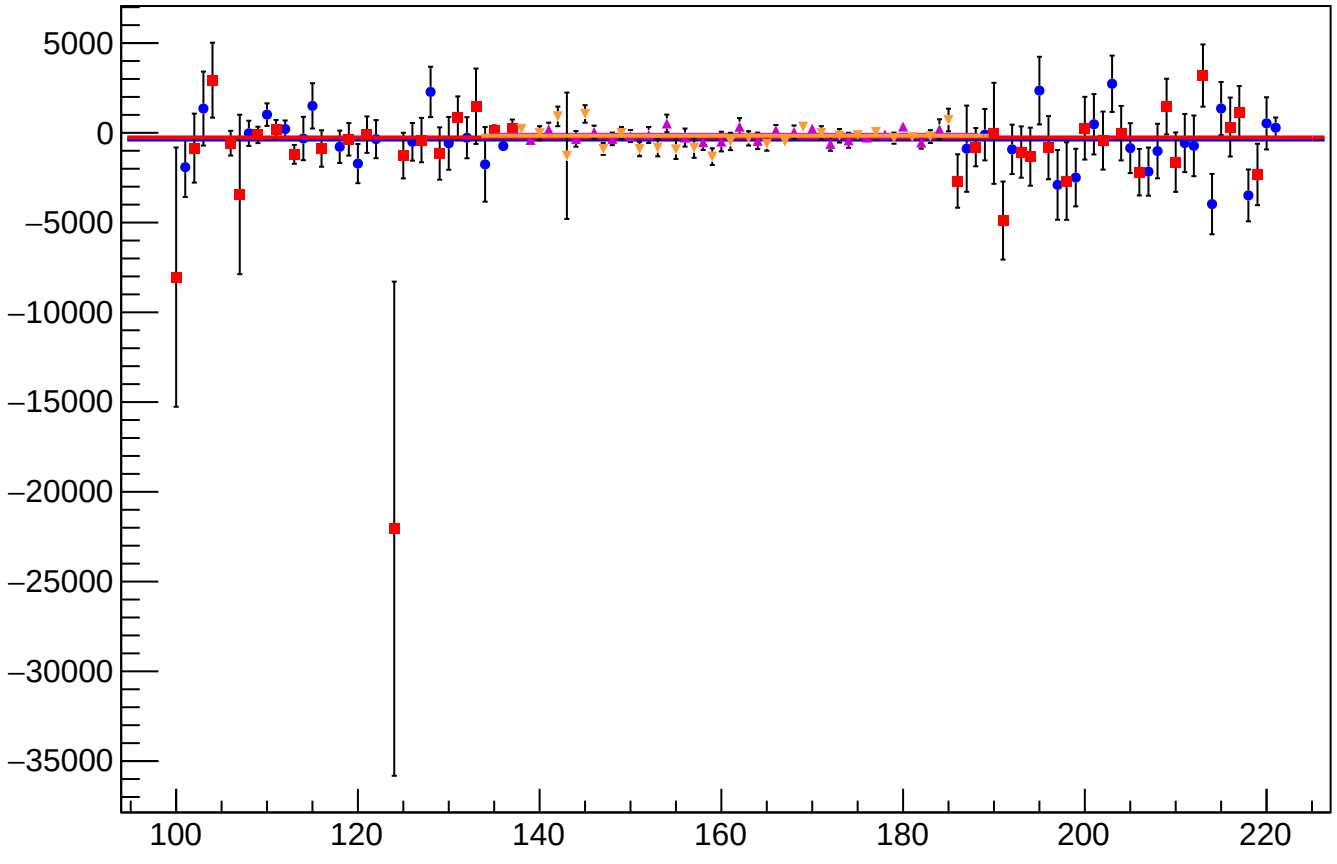
Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690746.1/58

All: 1266.313+/-0.100 χ^2/NDF: 1115690.5/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.5/59



Right In: -373.684+/-149.752 χ^2/NDF: 42.8/33

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

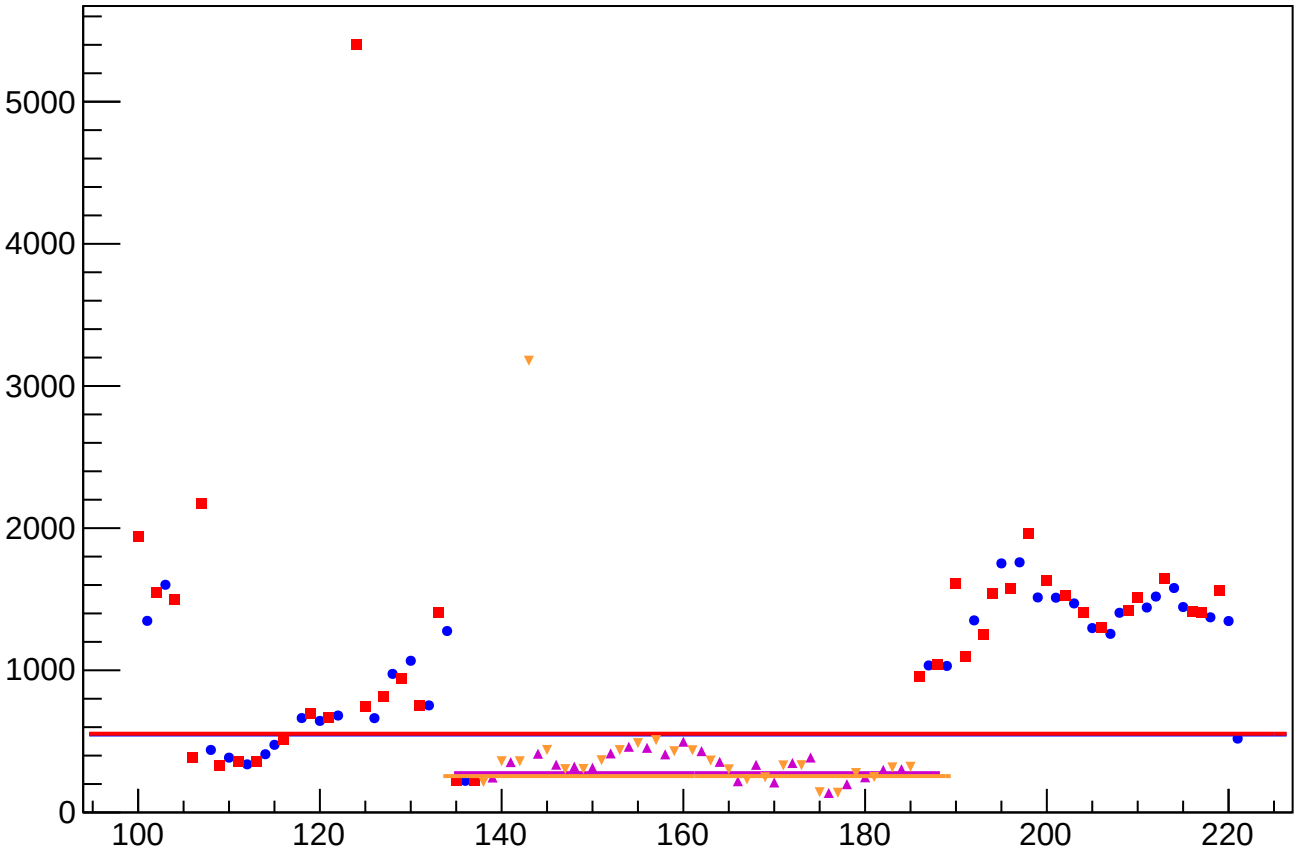
Right Out: -257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -193.903+/-58.954 χ^2/NDF: 88.3/58

All: -167.550+/-43.010 χ^2/NDF: 144.1/118

\- sign -137.563+/-62.887 χ^2/NDF: 55.4/59



Right In: 548.453+/-0.106 χ^2/NDF: 16689766.5/33

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

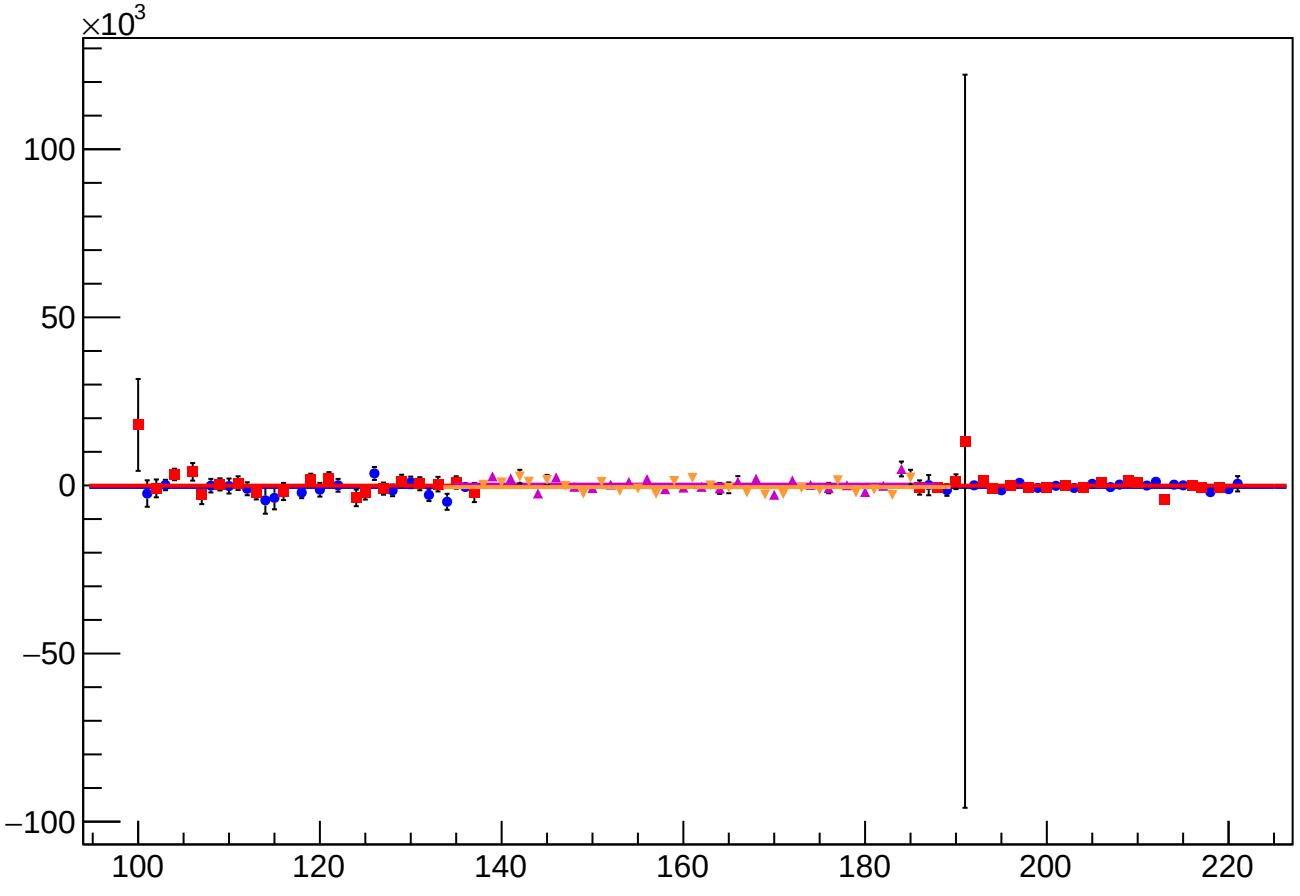
Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 301.129+/-0.042 χ^2/NDF: 29519541.1/58

All: 311.008+/-0.030 χ^2/NDF: 56108493.8/11

- sign 322.248+/-0.044 χ^2/NDF: 26468896.1/59



Right In: -439.963+/-277.985 χ^2/NDF: 20.0/33

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

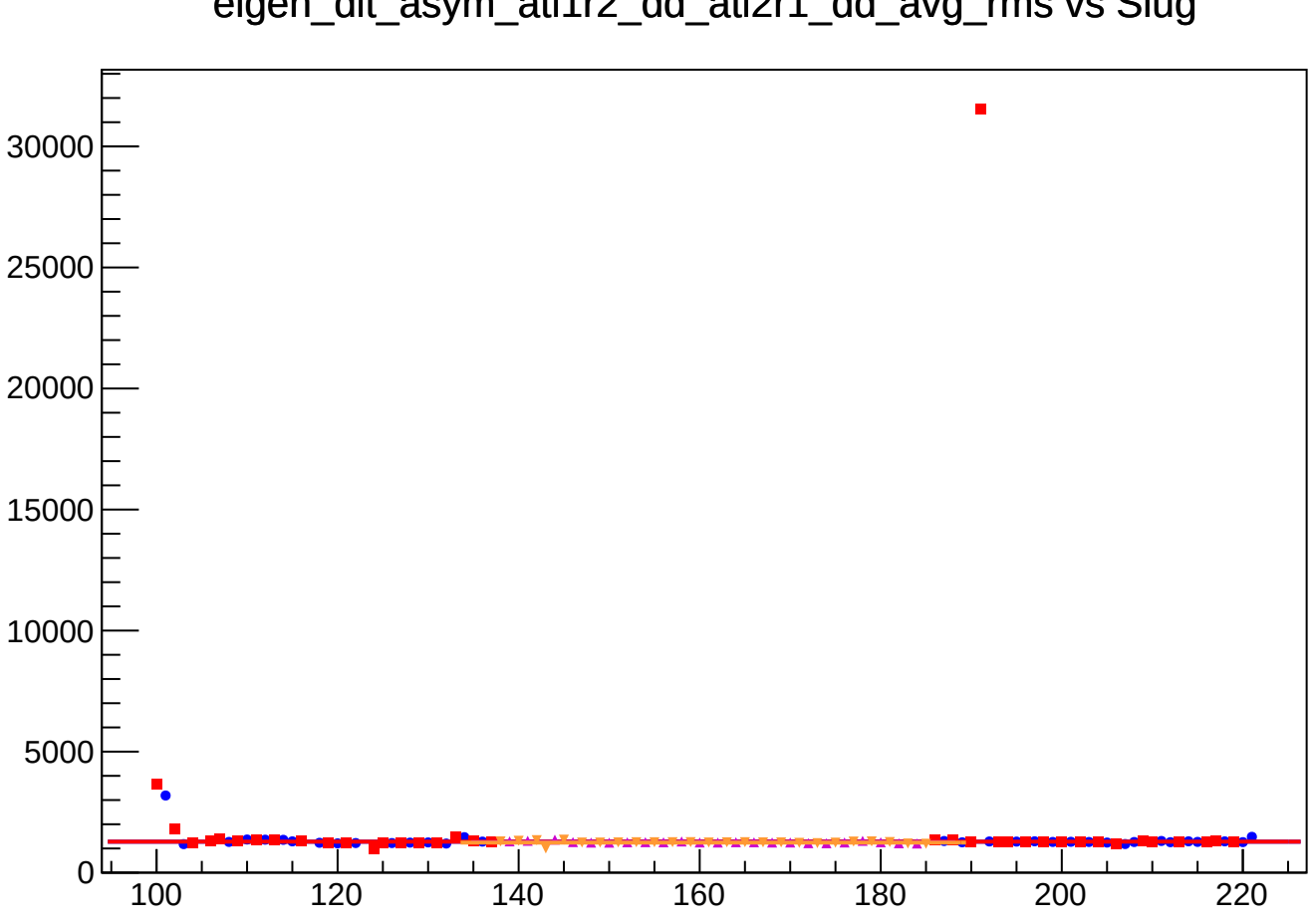
Right Out: -62.294+/-280.261 χ^2/NDF: 32.2/36

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -466.246+/-198.223 χ^2/NDF: 54.2/58

All: -198.411+/-141.813 χ^2/NDF: 121.4/118

- sign 82.404+/-202.969 χ^2/NDF: 63.4/59



Right In: 1279.877+/-0.197 χ^2/NDF: 542987.7/33

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

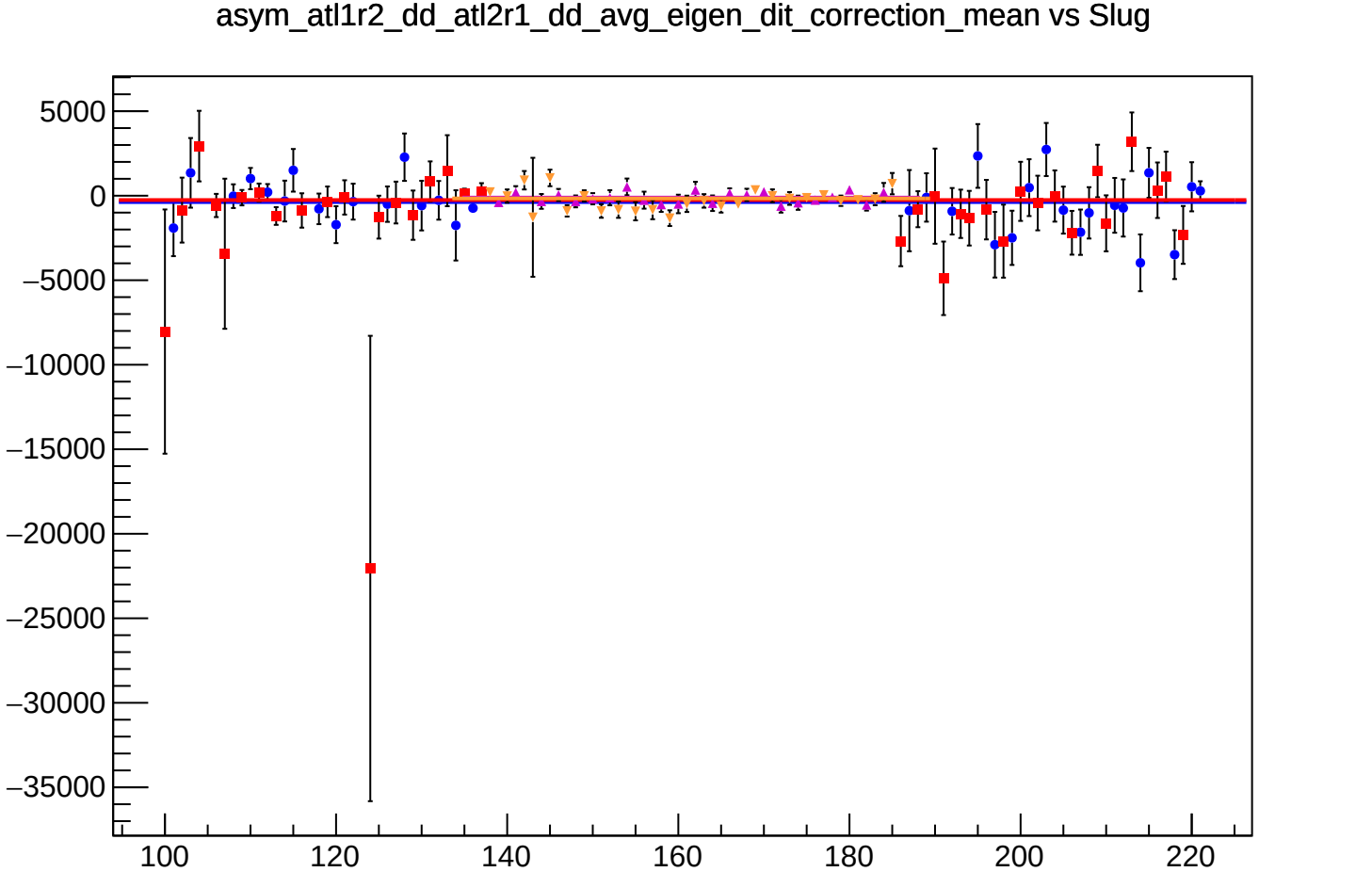
Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1261.525+/-0.140 χ^2/NDF: 690745.3/58

All: 1266.313+/-0.100 χ^2/NDF: 1115690.0/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.9/59



Right In: -373.686+/-149.754 χ^2/NDF: 42.8/33

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

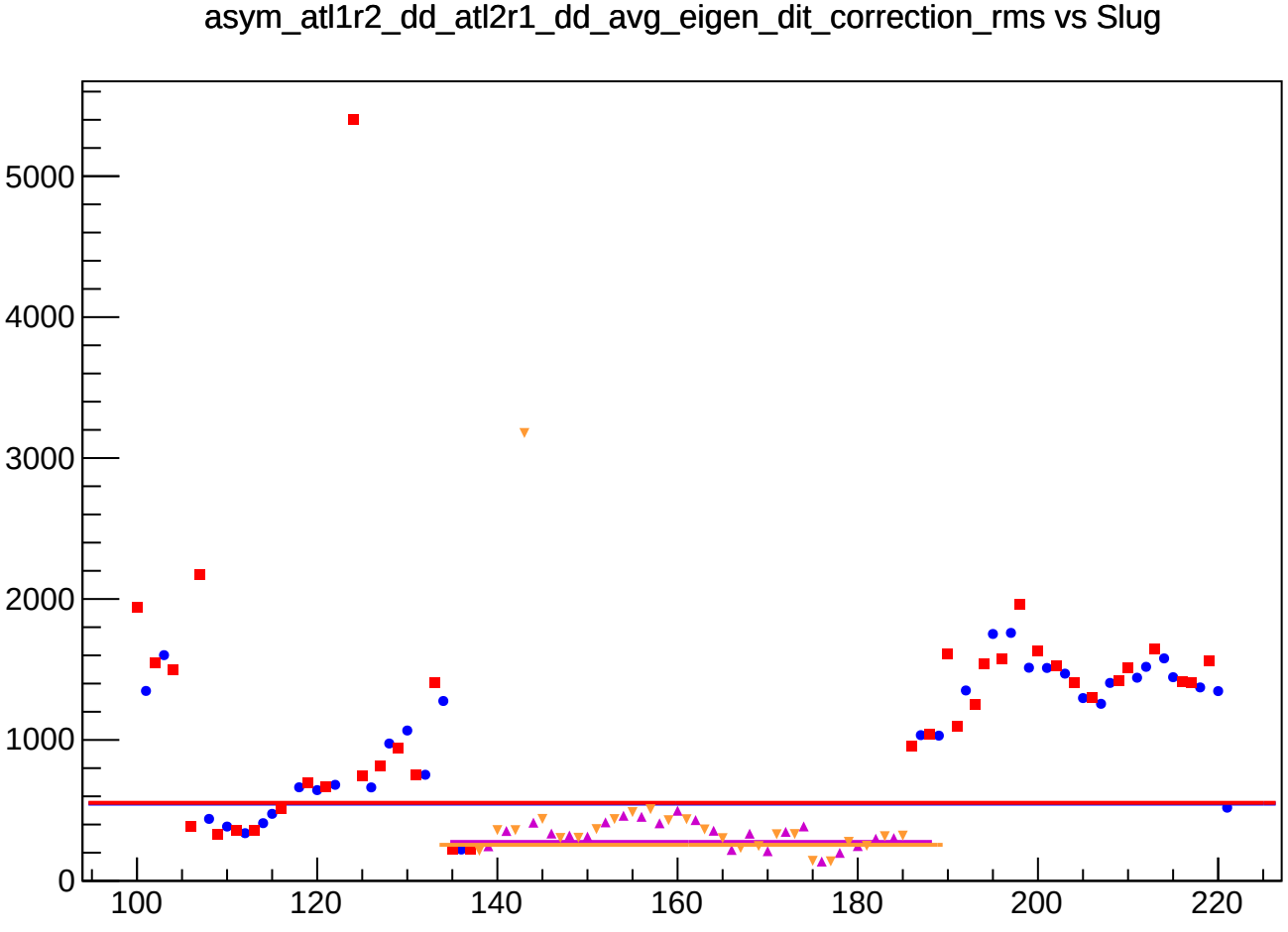
Right Out: -257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -193.905+/-58.954 χ^2/NDF: 88.3/58

All: -167.551+/-43.010 χ^2/NDF: 144.1/118

\- sign -137.562+/-62.887 χ^2/NDF: 55.4/59



Right In: 548.466+/-0.106 χ^2/NDF: 16689273.4/33

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

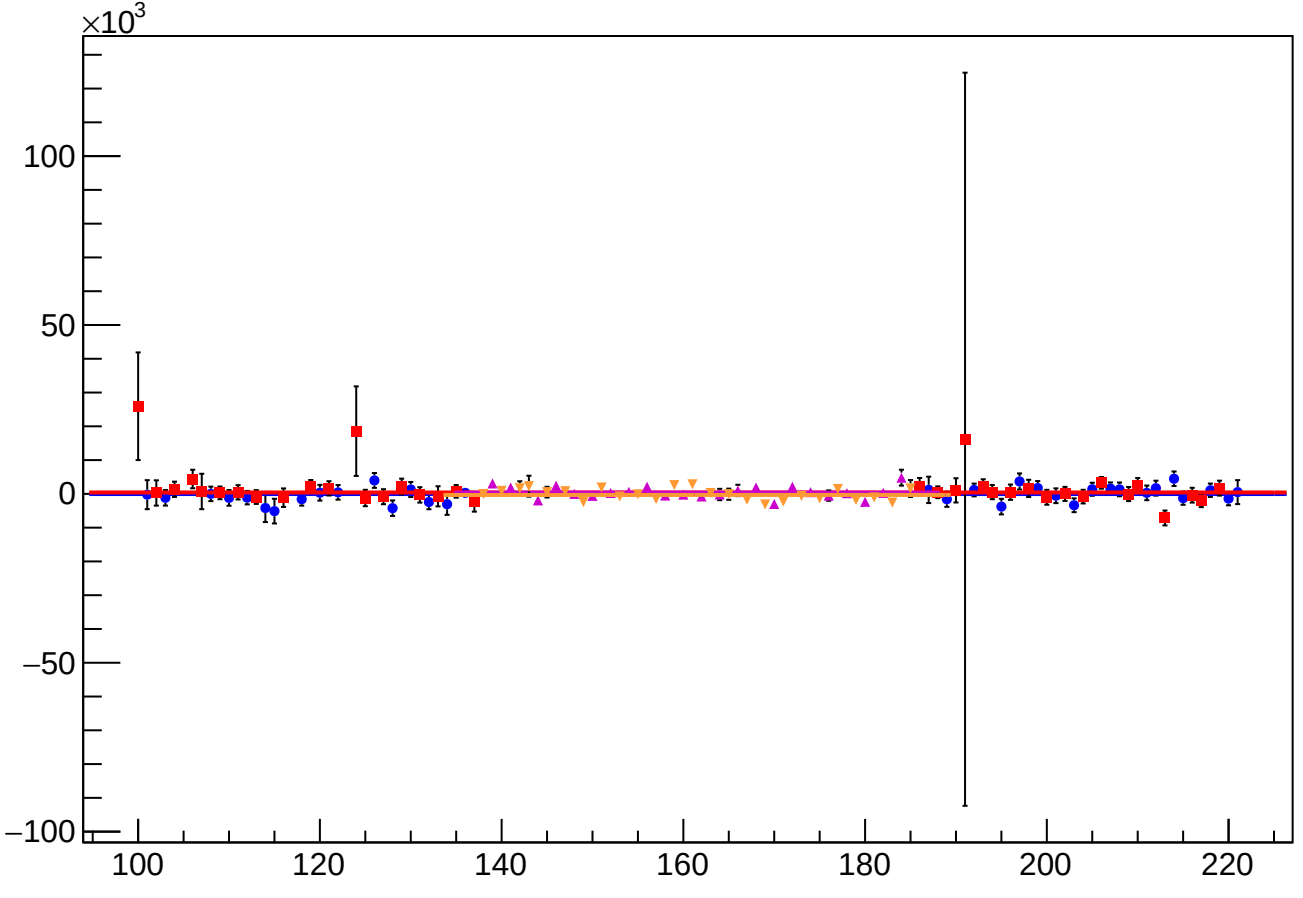
Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 301.131+/-0.042 χ^2/NDF: 29519286.9/58

All: 311.010+/-0.030 χ^2/NDF: 56108101.0/11

- sign 322.250+/-0.044 χ^2/NDF: 26468769.3/59



Right In: -47.933+/-377.612 χ^2/NDF: 31.0/33

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 416.568+/-383.461 χ^2/NDF: 31.1/36

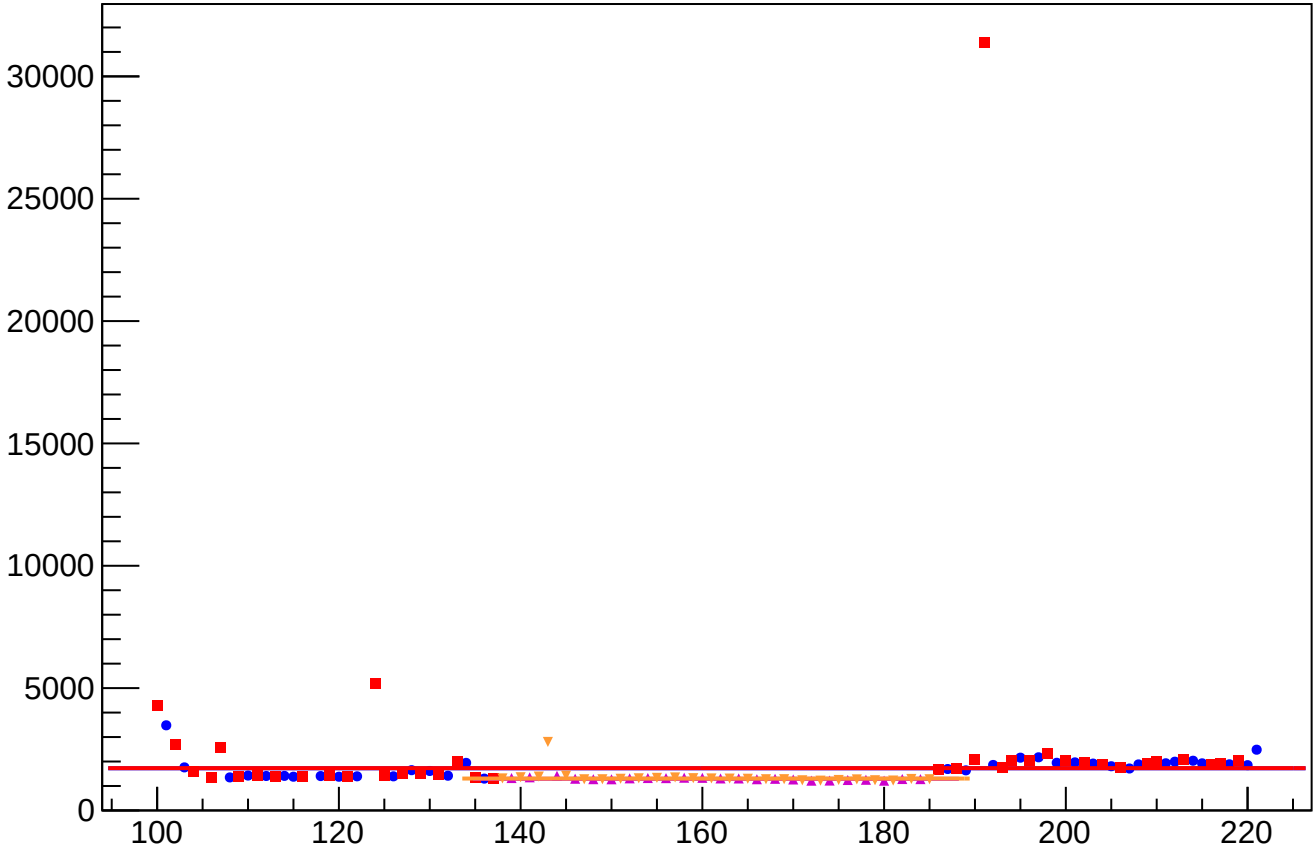
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -215.312+/-234.061 χ^2/NDF: 62.9/58

All: 78.081+/-166.607 χ^2/NDF: 126.8/118

- sign 379.416+/-237.208 χ^2/NDF: 60.7/59

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1722.149+/-0.267 χ^2/NDF: 1399616.5/33

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

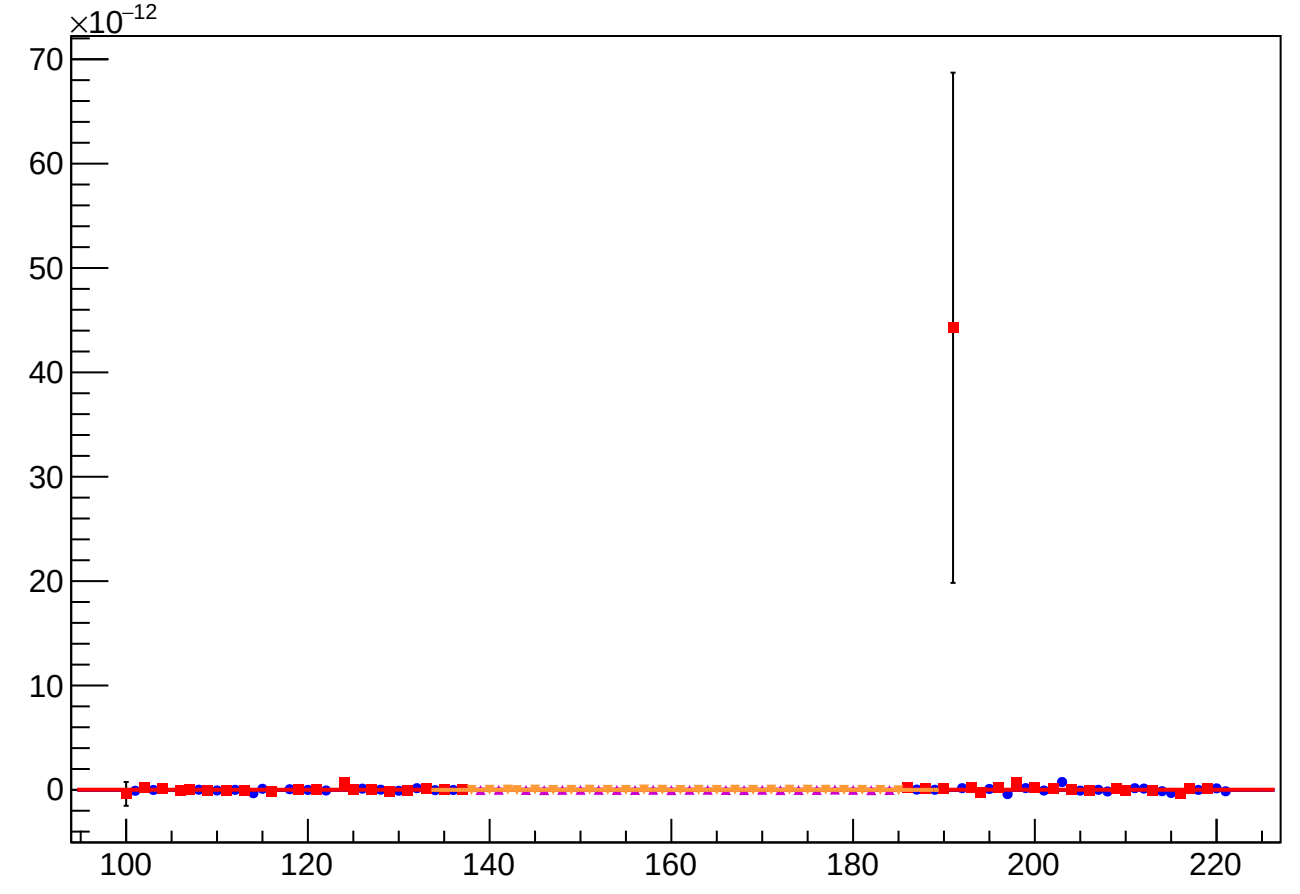
Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1464.751+/-0.166 χ^2/NDF: 3428298.1/58

All: 1462.166+/-0.118 χ^2/NDF: 6658065.4/11

- sign 1459.511+/-0.168 χ^2/NDF: 3229272.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

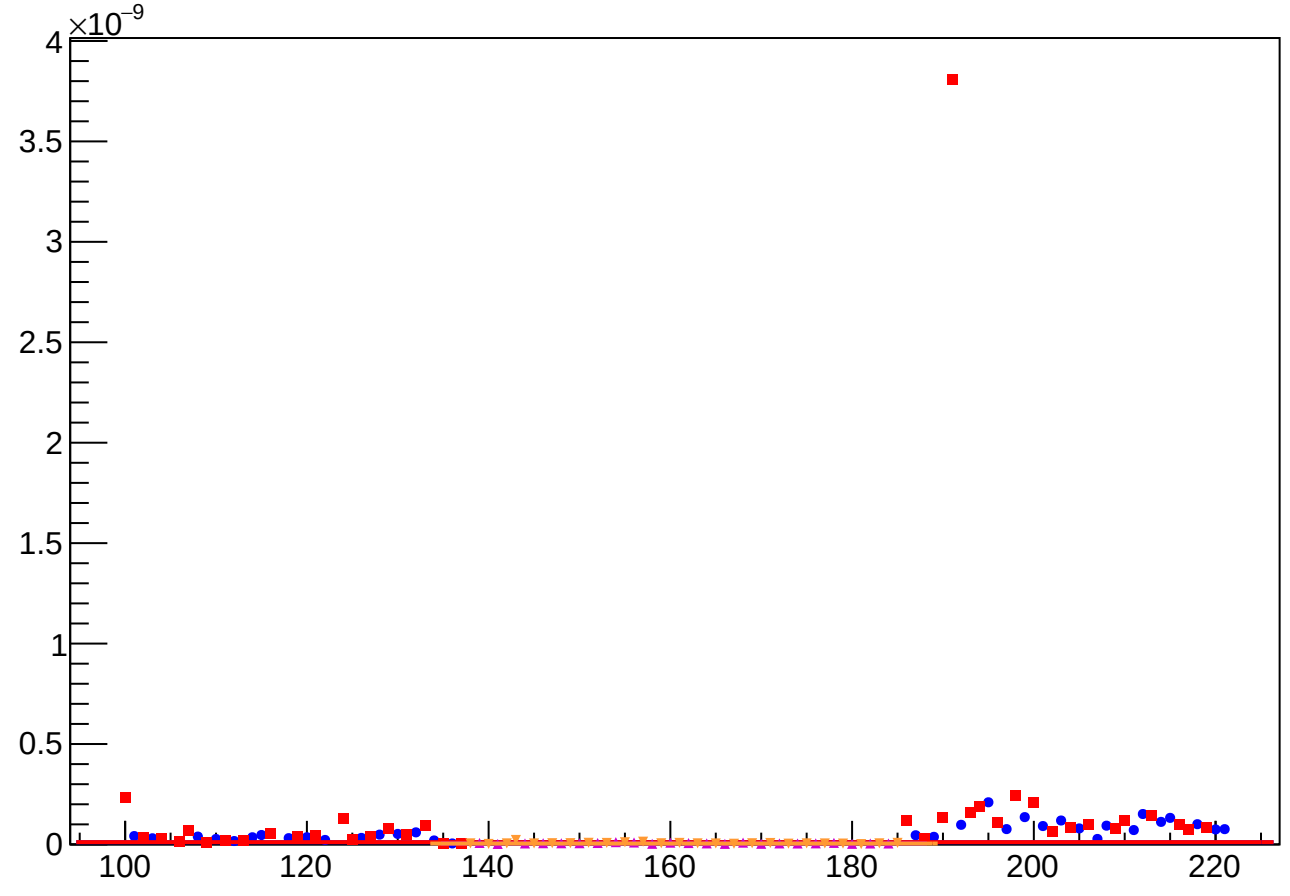
Right Out: 0.000+/-0.000 χ^2/NDF: 44.4/36

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/58

All: 0.000+/-0.000 χ^2/NDF: 139.9/118

- sign 0.000+/-0.000 χ^2/NDF: 76.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 11598008.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

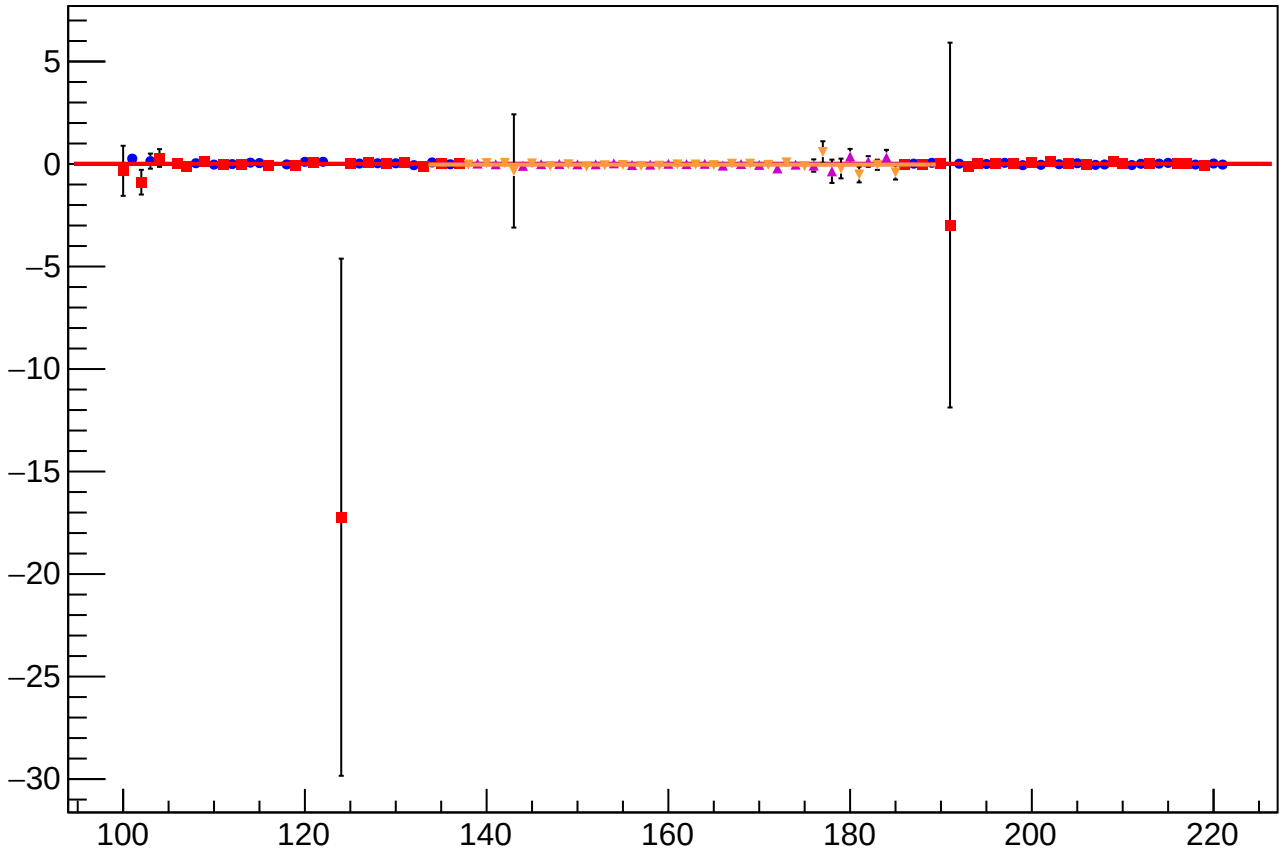
Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15866738.6/58

All: 0.000+/-0.000 χ^2/NDF: 31729795.7/118

- sign 0.000+/-0.000 χ^2/NDF: 15840693.9/59



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

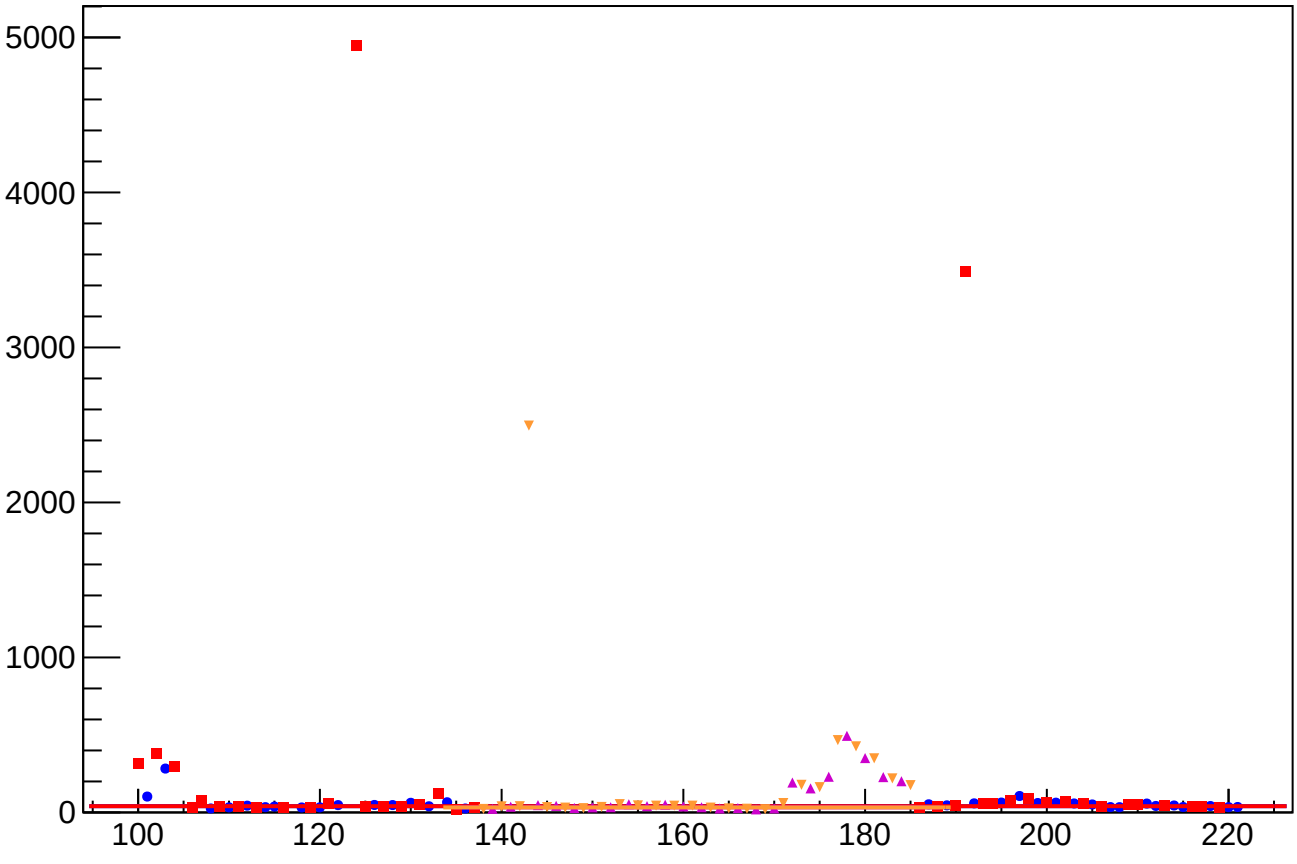
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

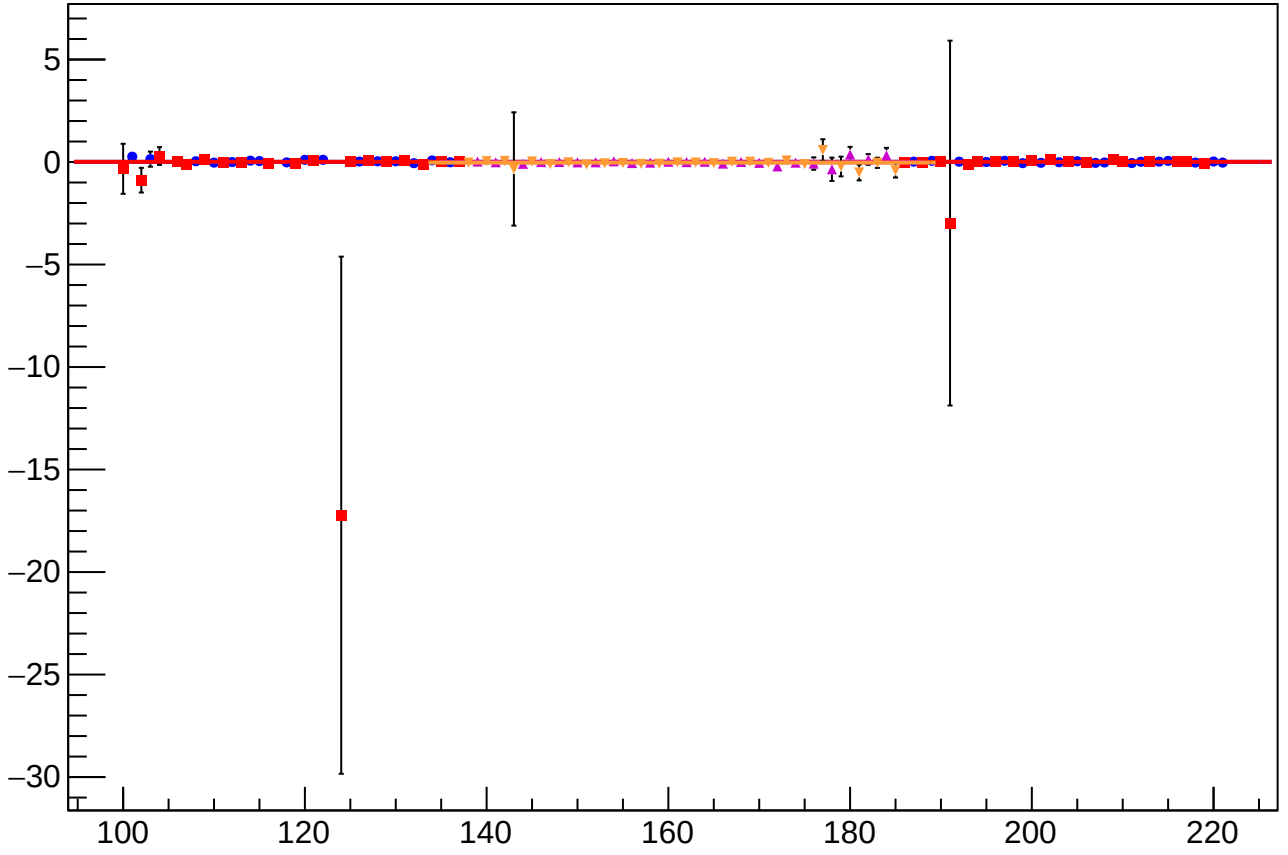
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

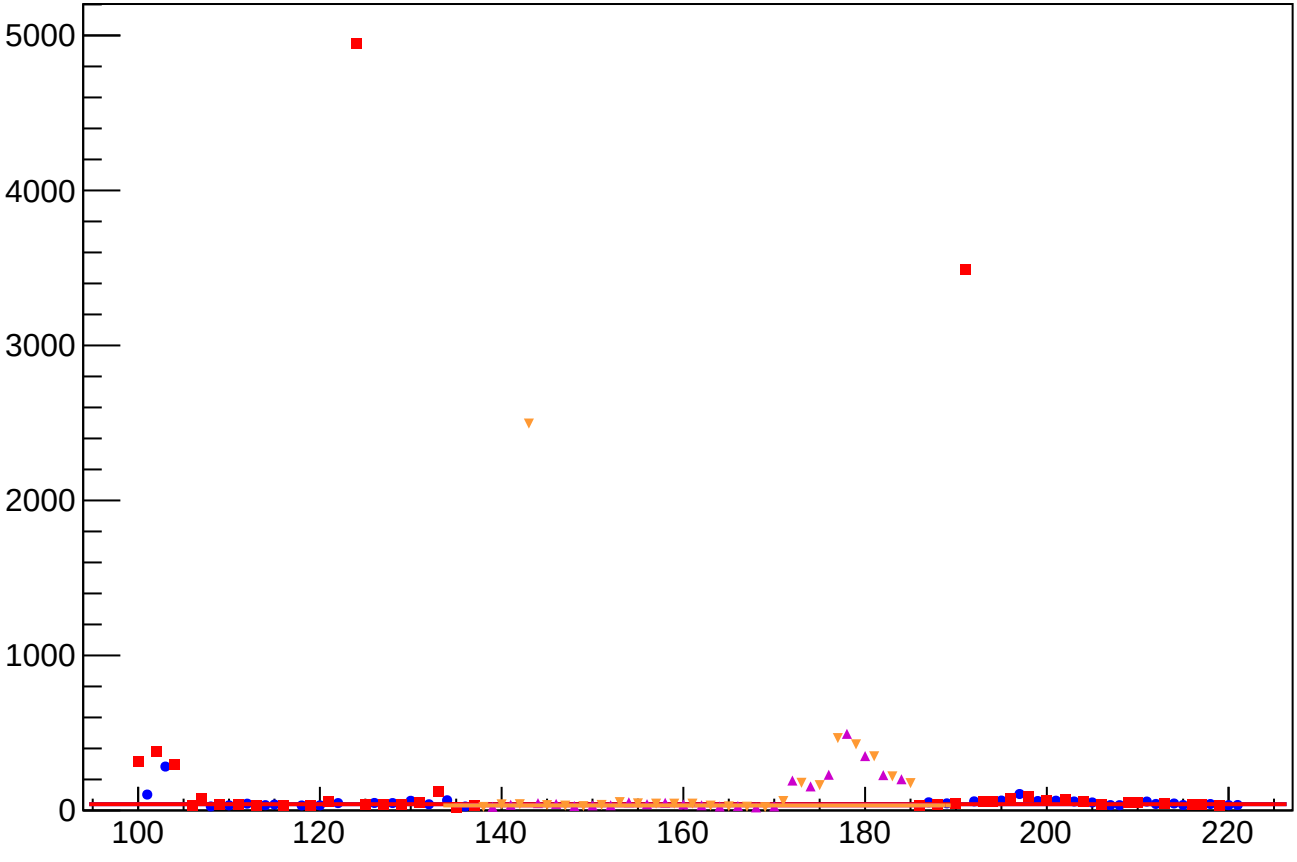
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

- sign -0.001+/-0.007 χ^2/NDF: 46.3/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.589+/-0.007 χ^2/NDF: 4394799.5/33

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

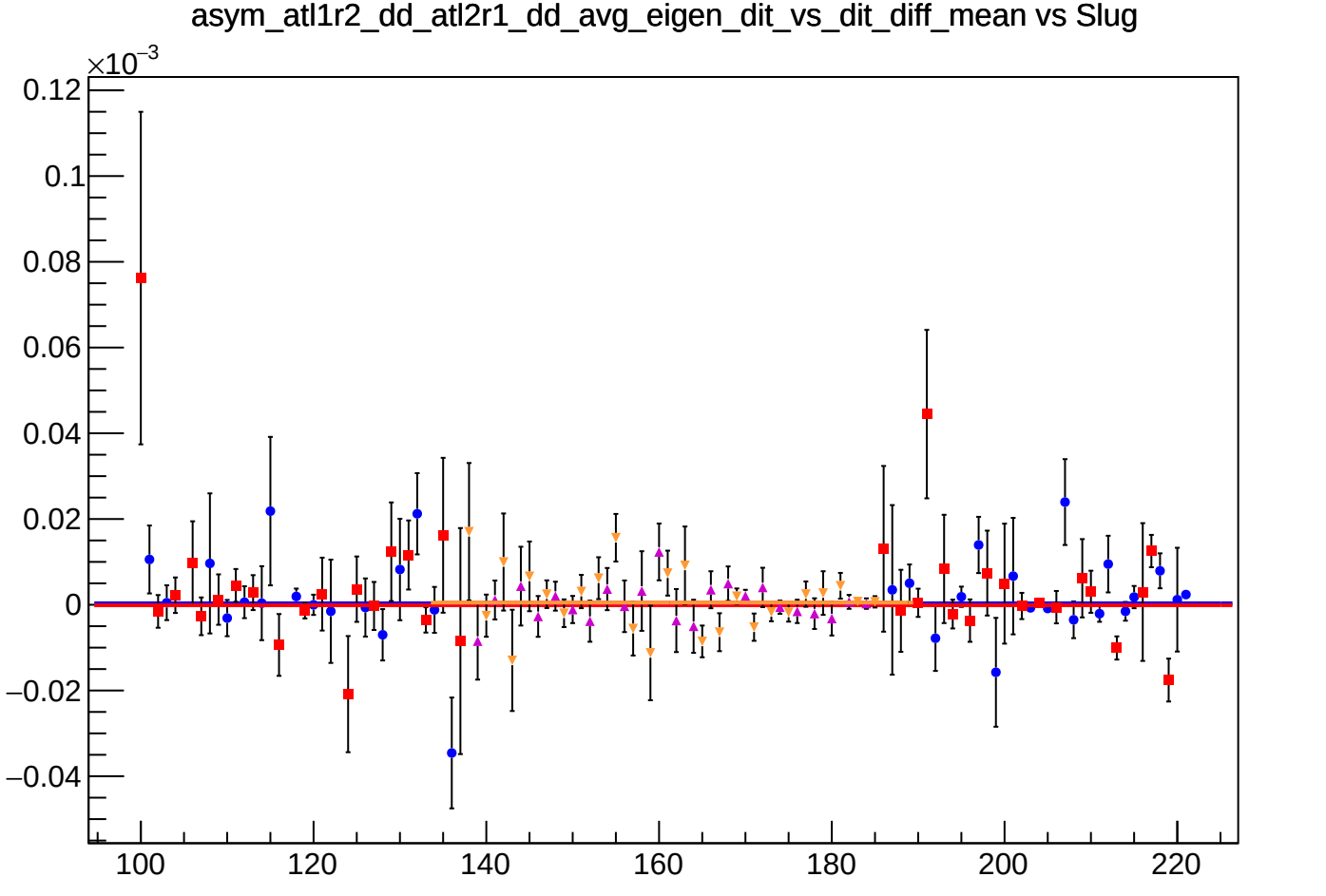
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954374.0/58

All: 36.392+/-0.003 χ^2/NDF: 31175128.3/118

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 50.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

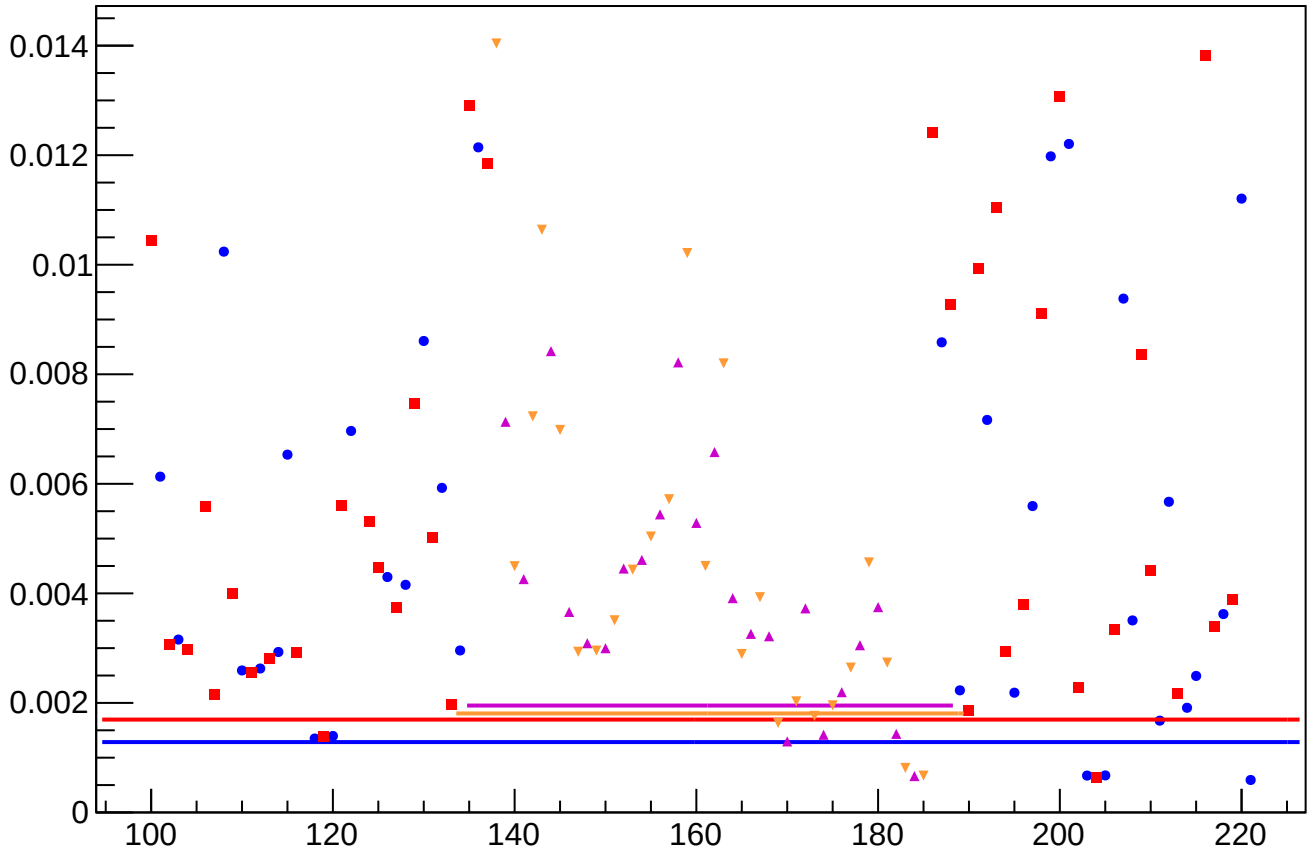
Right Out: -0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.3/58

All: 0.000+/-0.000 χ^2/NDF: 165.0/118

- sign 0.000+/-0.000 χ^2/NDF: 78.5/59



Right In: 0.001+/-0.000 χ^2/NDF: 20495427.4/33

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

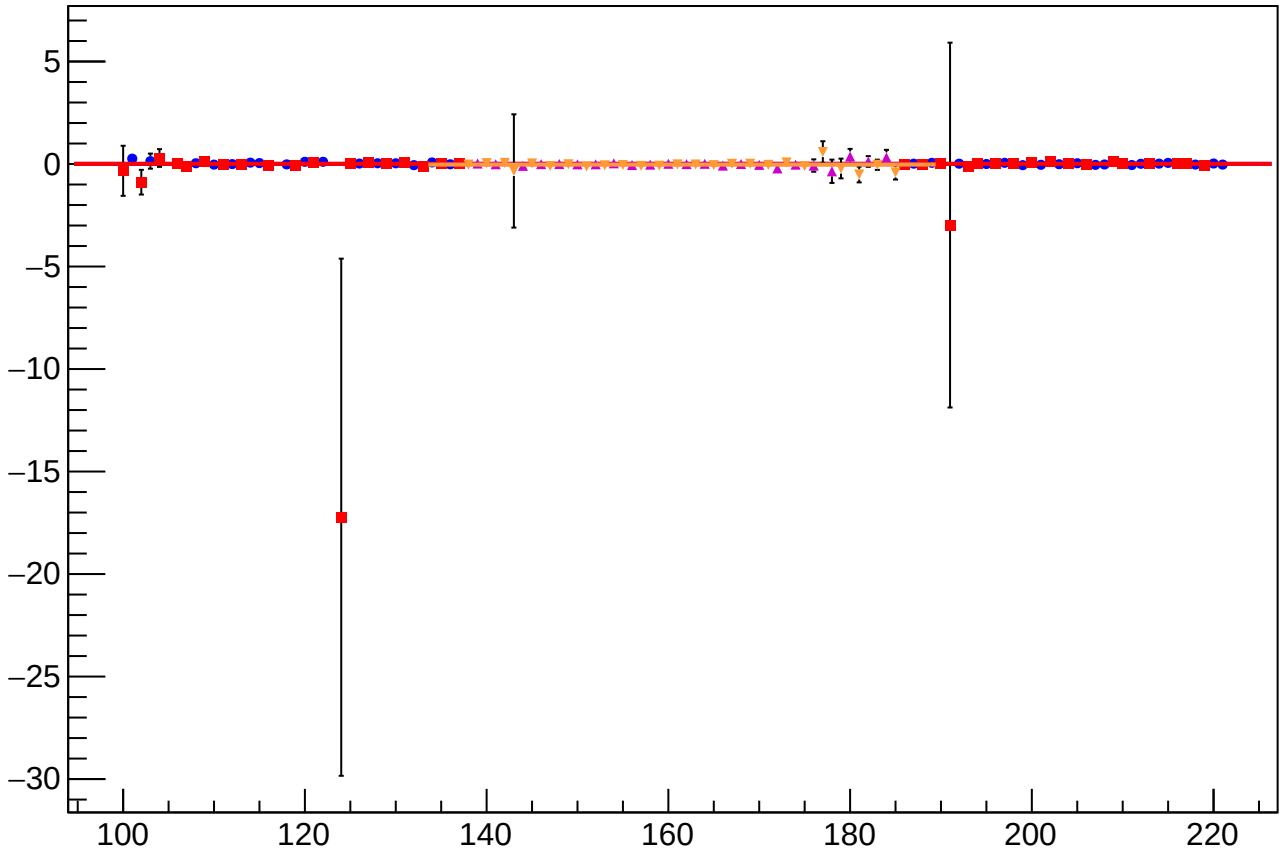
Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 36583490.2/58

All: 0.002+/-0.000 χ^2/NDF: 68334524.4/118

- sign 0.002+/-0.000 χ^2/NDF: 30927021.4/59



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

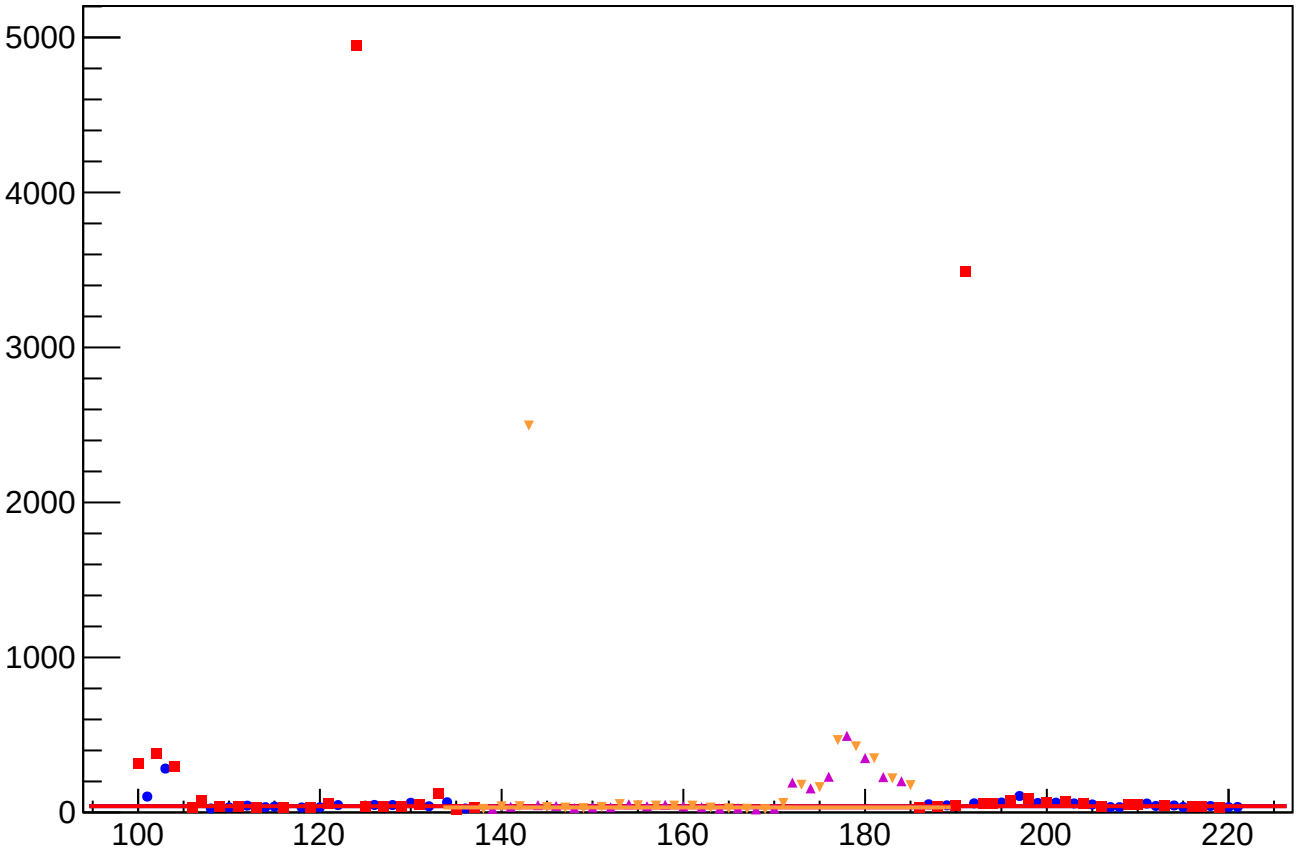
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

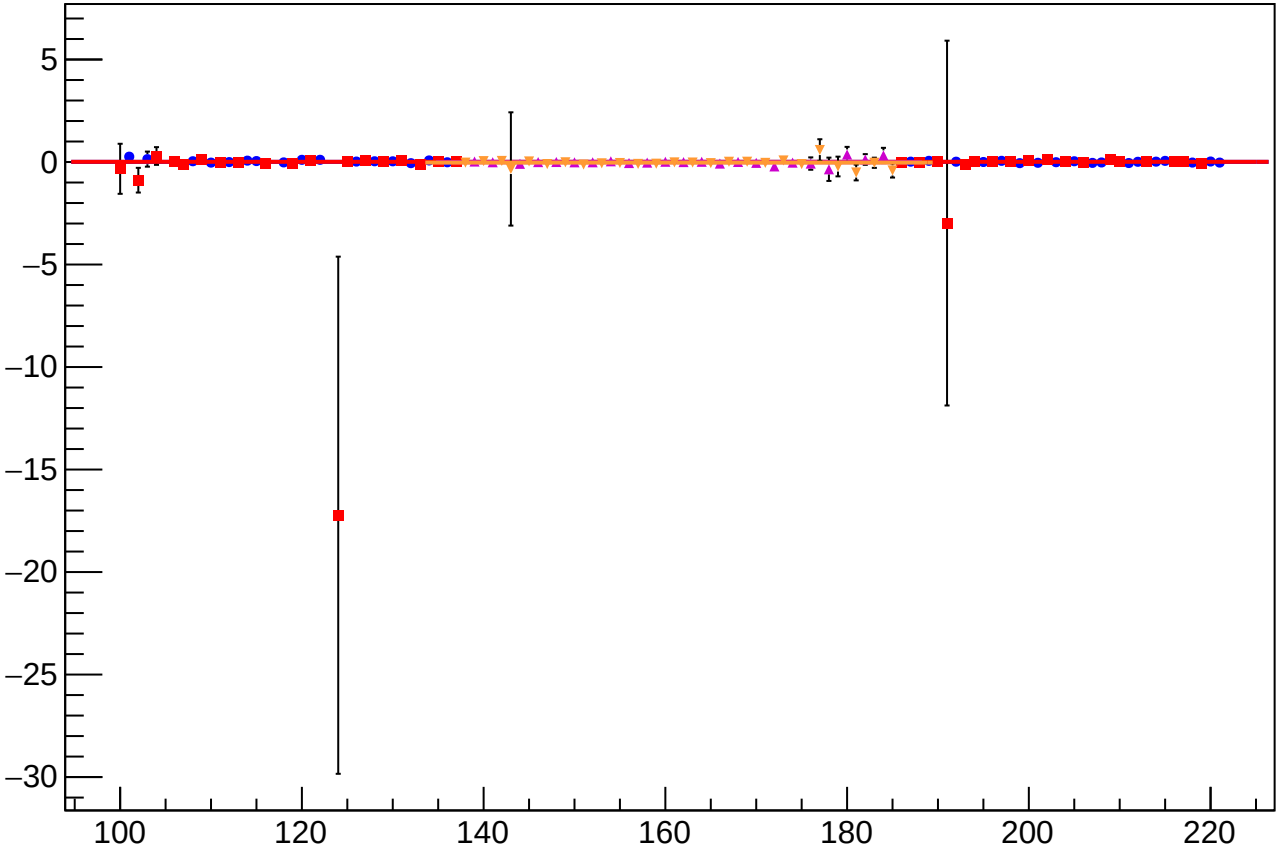
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.010 χ^2/NDF: 19.7/33

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

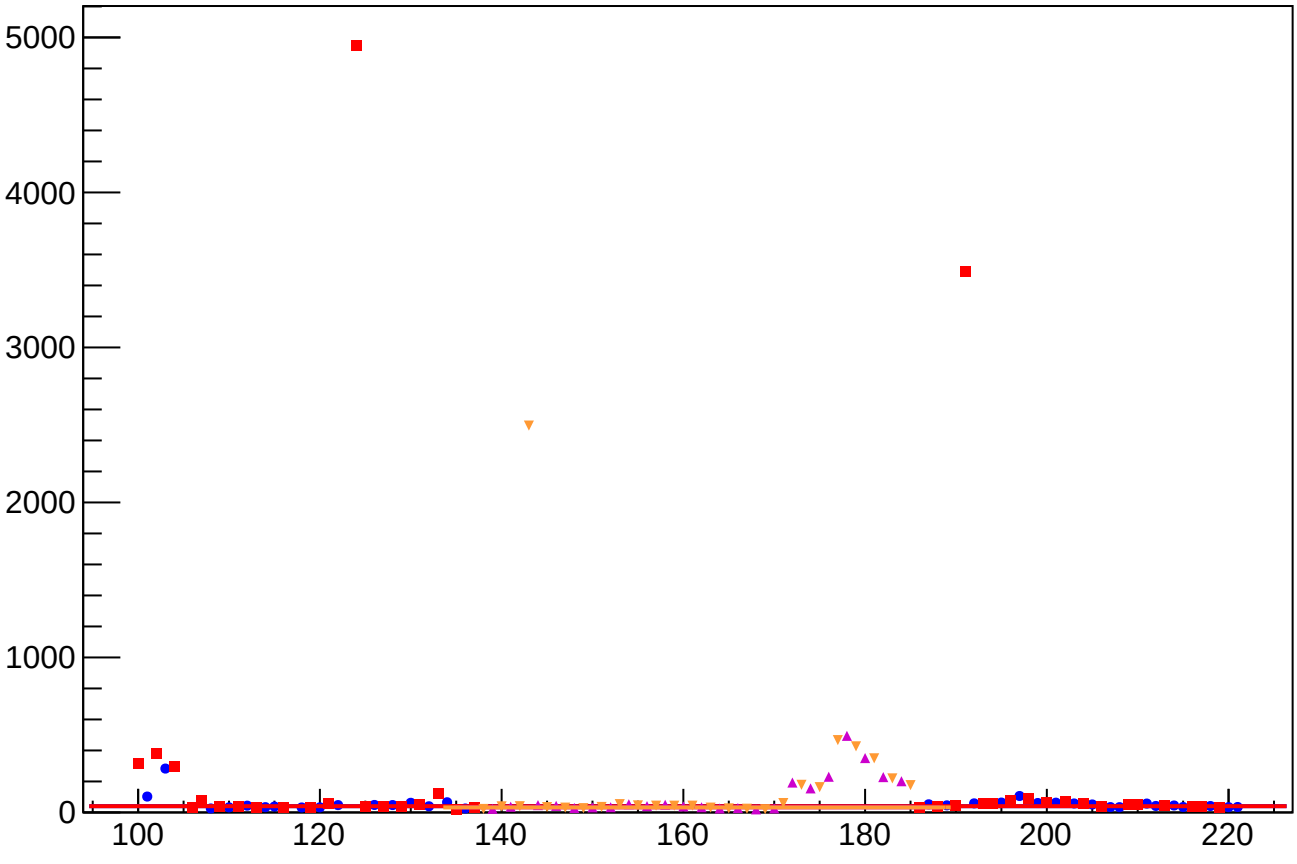
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.4/58

All: -0.006+/-0.005 χ^2/NDF: 101.7/118

- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.589+/-0.007 χ^2/NDF: 4394406.4/33

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

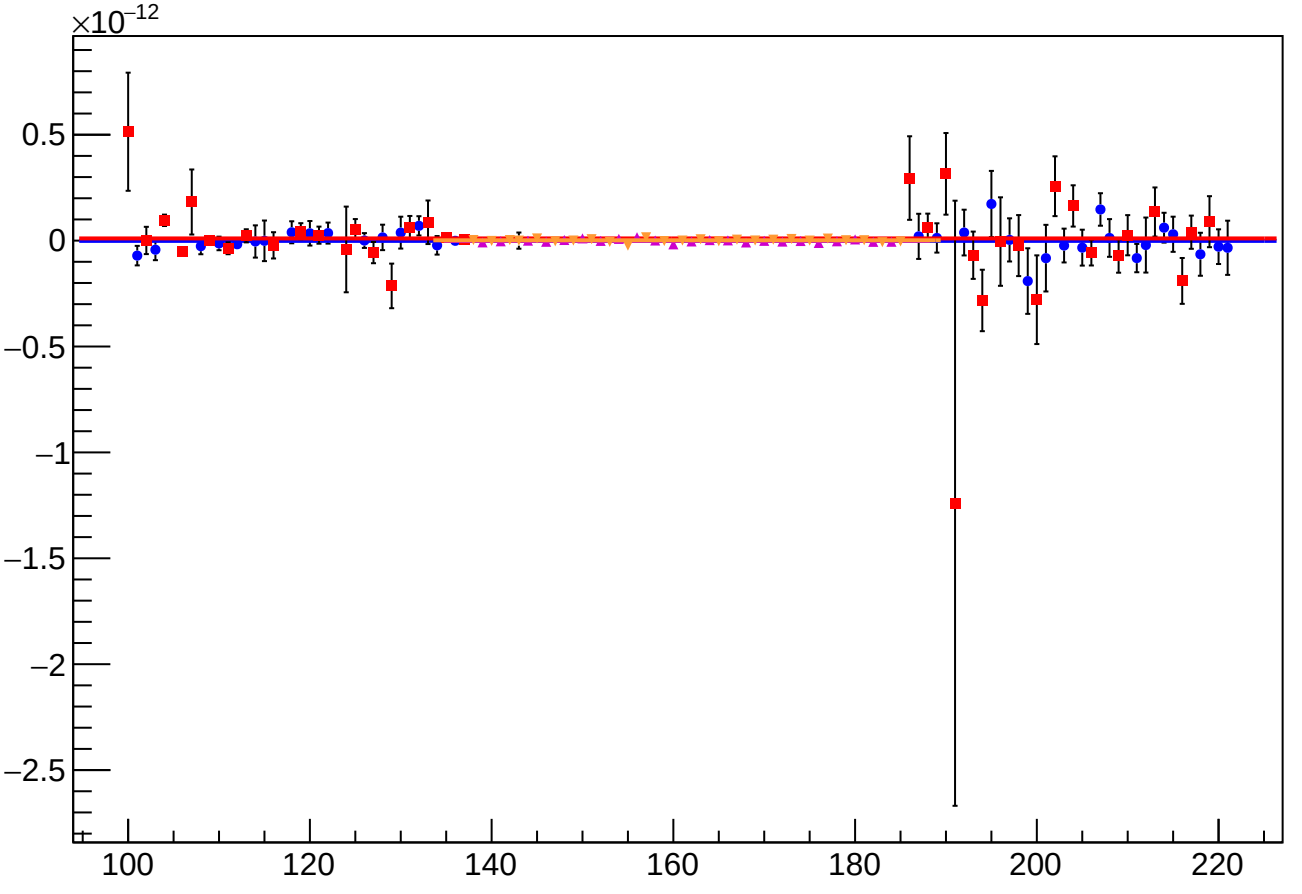
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.426+/-0.005 χ^2/NDF: 15954323.9/58

All: 36.392+/-0.003 χ^2/NDF: 31175711.8/118

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

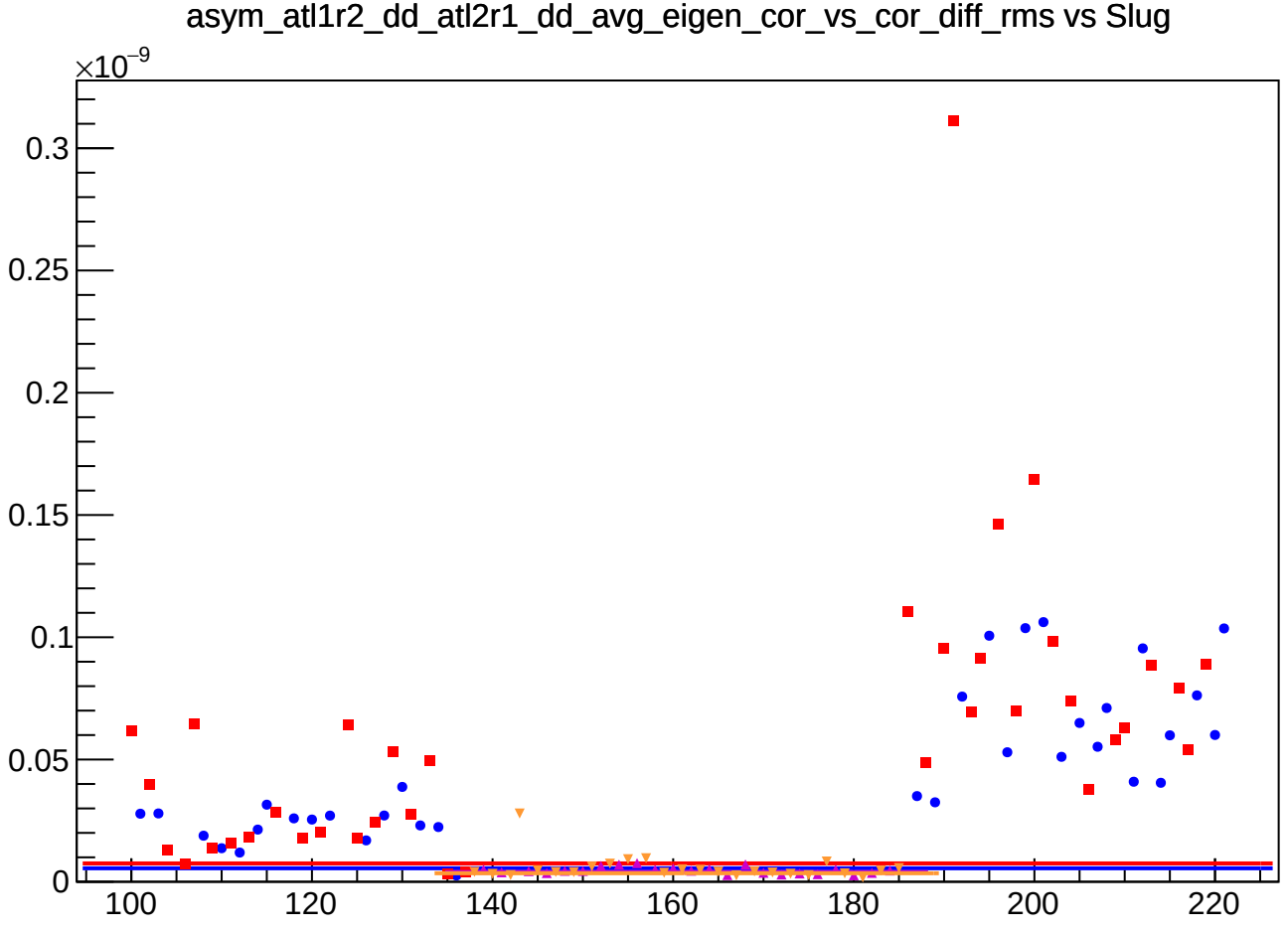
Right Out: 0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.5/58

All: 0.000+/-0.000 χ^2/NDF: 140.1/118

- sign -0.000+/-0.000 χ^2/NDF: 101.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 18940700.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

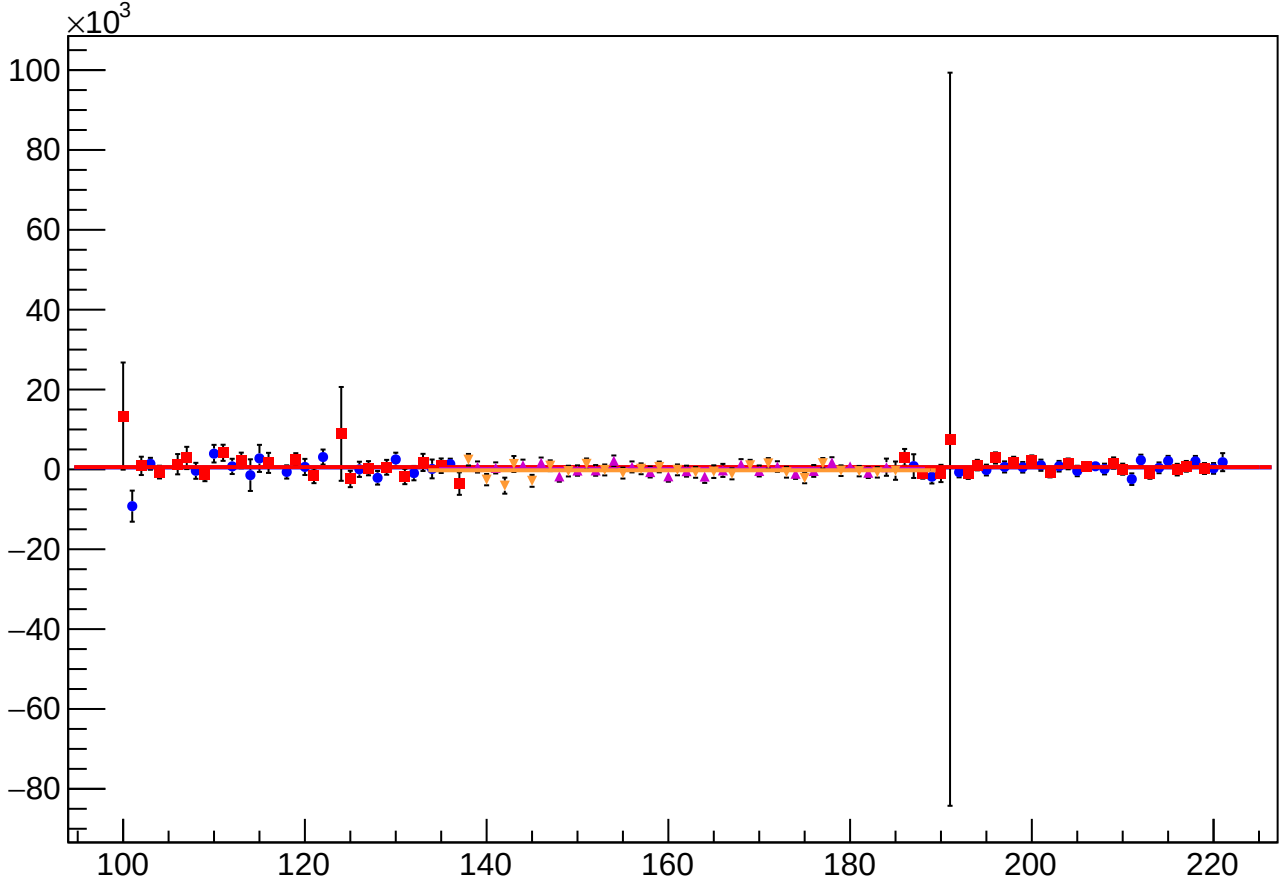
Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24281145.0/58

All: 0.000+/-0.000 χ^2/NDF: 45918639.6/118

- sign 0.000+/-0.000 χ^2/NDF: 21362391.1/59



Right In: 493.125+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.736+/-277.611 χ^2/NDF: 29.8/36

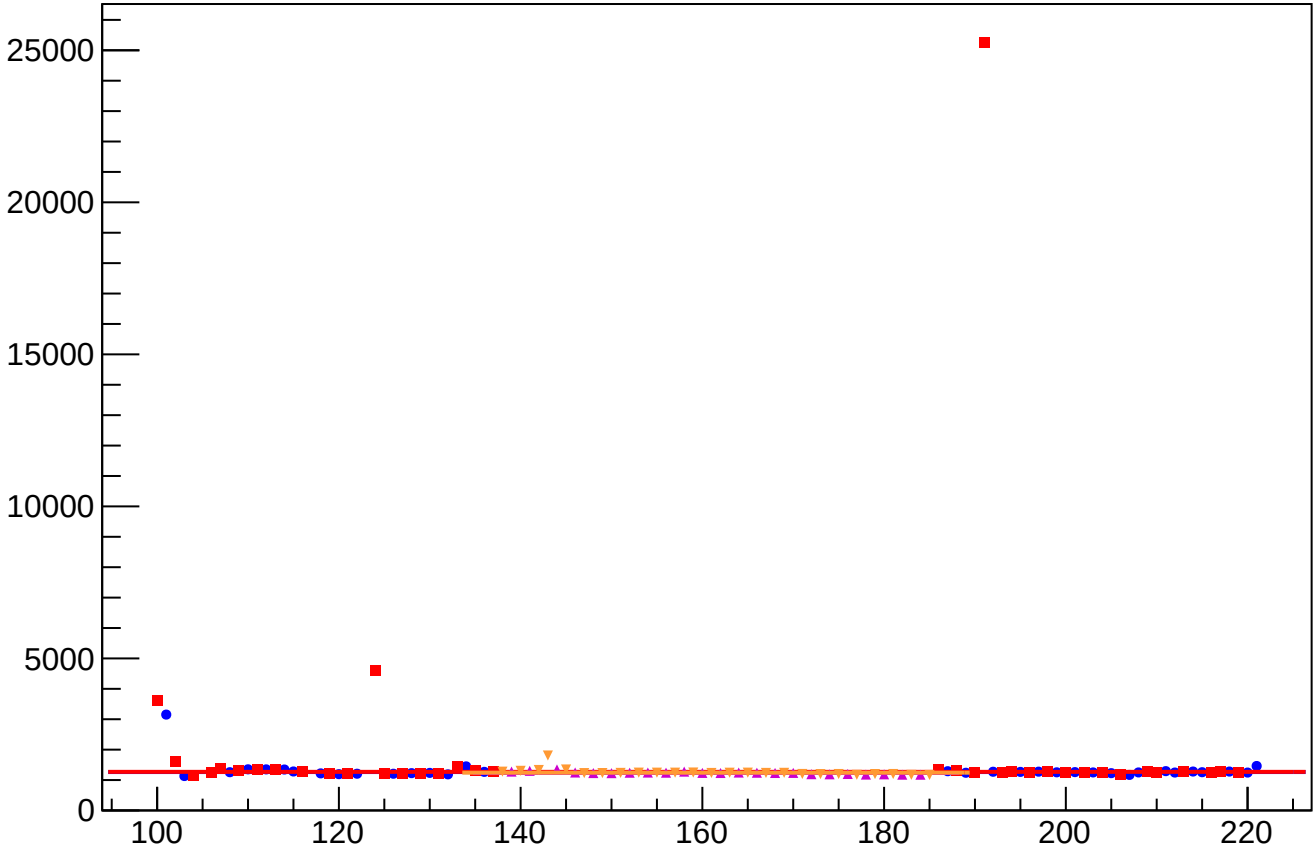
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

\+ sign 147.309+/-197.011 χ^2/NDF: 57.2/58

All: 244.026+/-140.334 χ^2/NDF: 103.6/118

\- sign 343.644+/-199.945 χ^2/NDF: 46.0/59

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552039.5/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

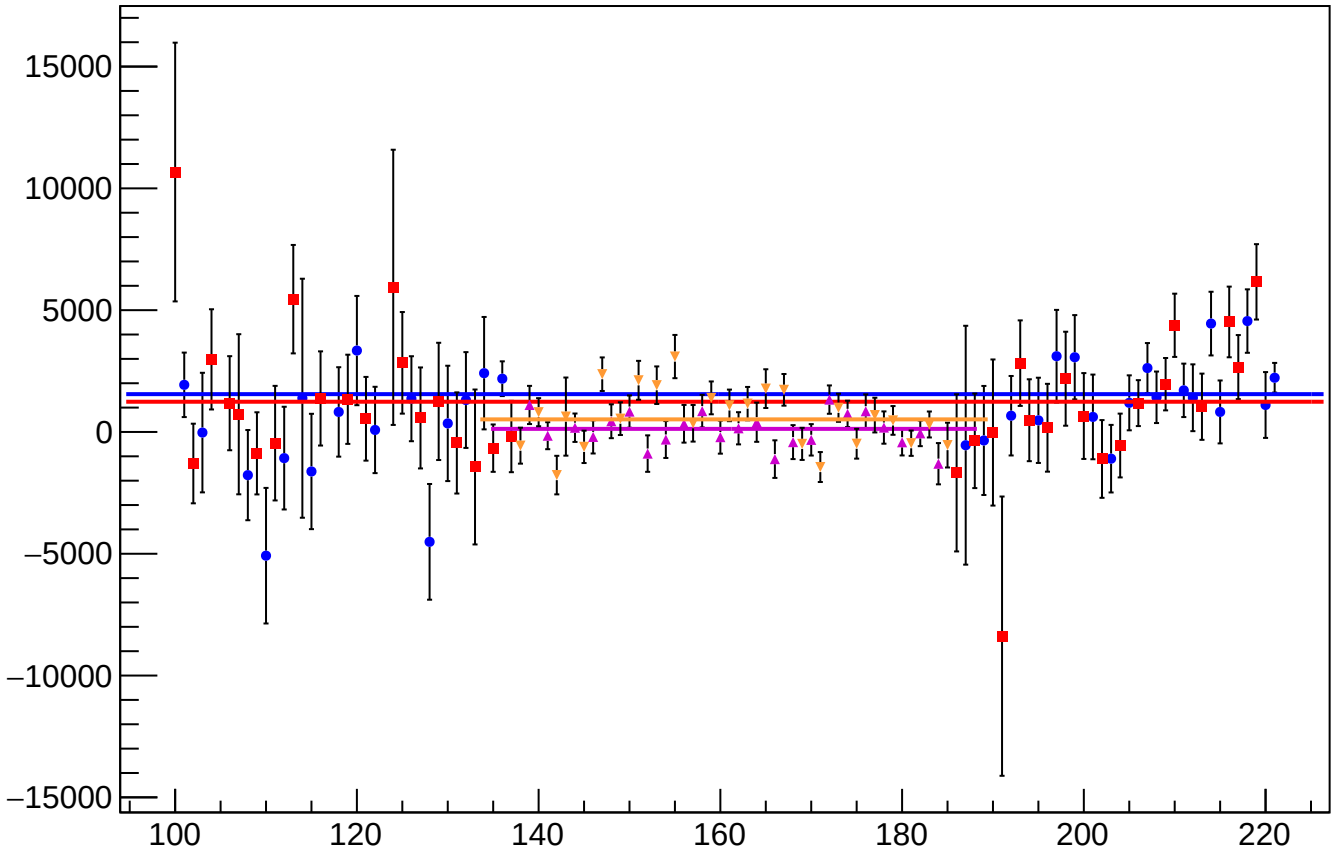
Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760653.1/58

All: 1252.818+/-0.099 χ^2/NDF: 1303562.9/11

- sign 1252.320+/-0.141 χ^2/NDF: 542885.2/59



Right In: 1552.414+/-243.046 χ^2/NDF: 42.0/33

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

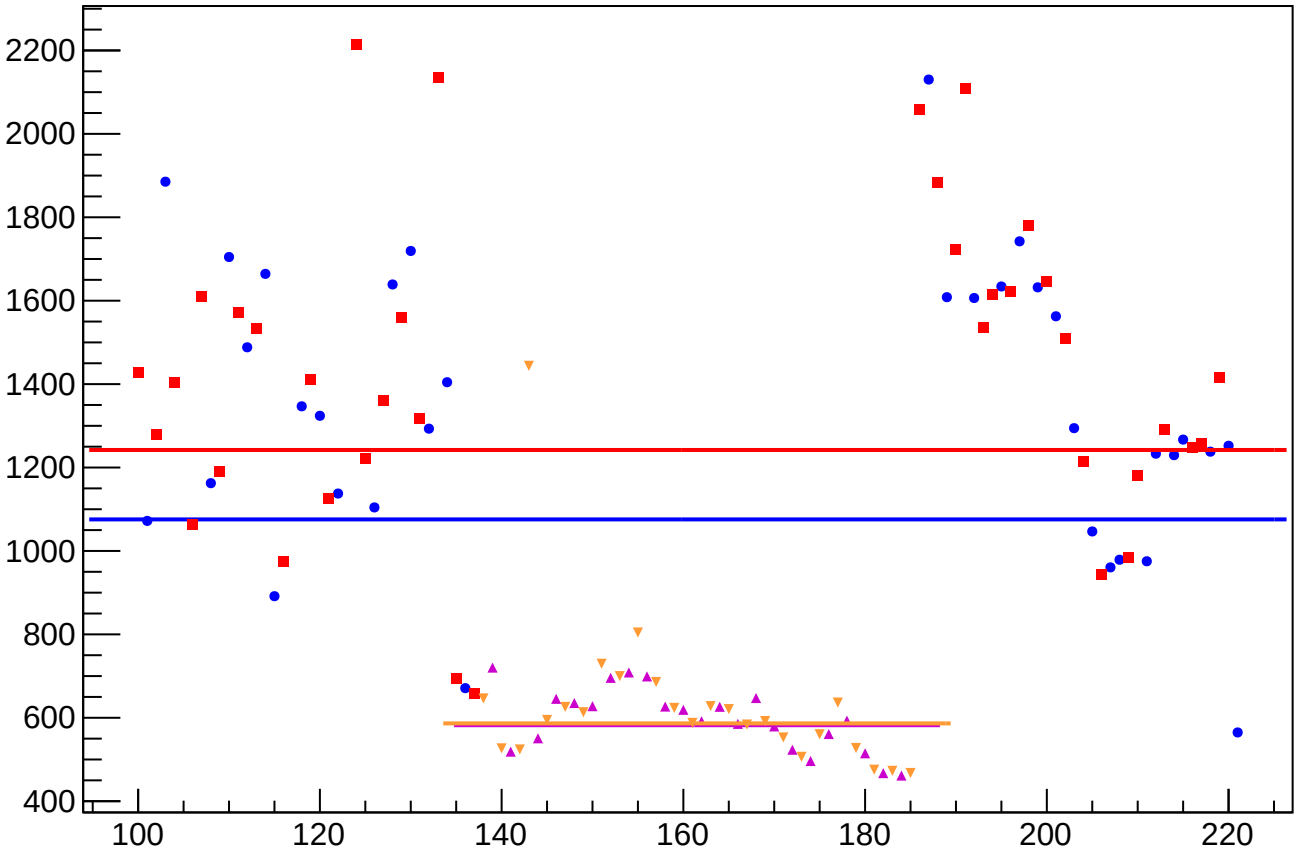
Right Out: 1240.765+/-279.291 χ^2/NDF: 52.7/36

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 763.034+/-118.514 χ^2/NDF: 122.9/58

All: 561.308+/-85.408 χ^2/NDF: 216.0/118

- sign 343.345+/-123.192 χ^2/NDF: 87.0/59



Right In: 1075.621+/-0.172 χ^2/NDF: 4392031.9/33

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

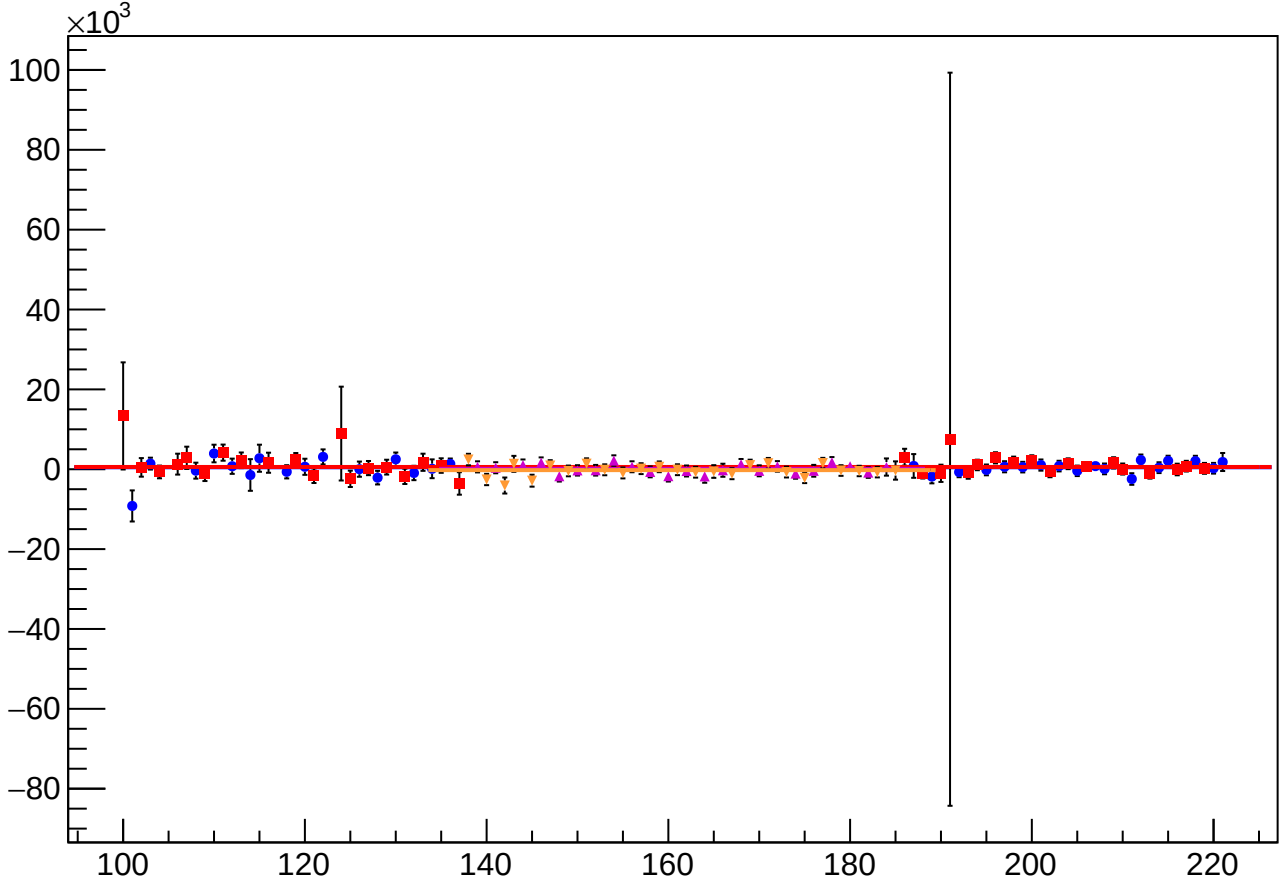
Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 702.843+/-0.084 χ^2/NDF: 11767522.8/58

All: 706.561+/-0.060 χ^2/NDF: 24088417.7/11

- sign 710.577+/-0.087 χ^2/NDF: 12316800.4/59



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

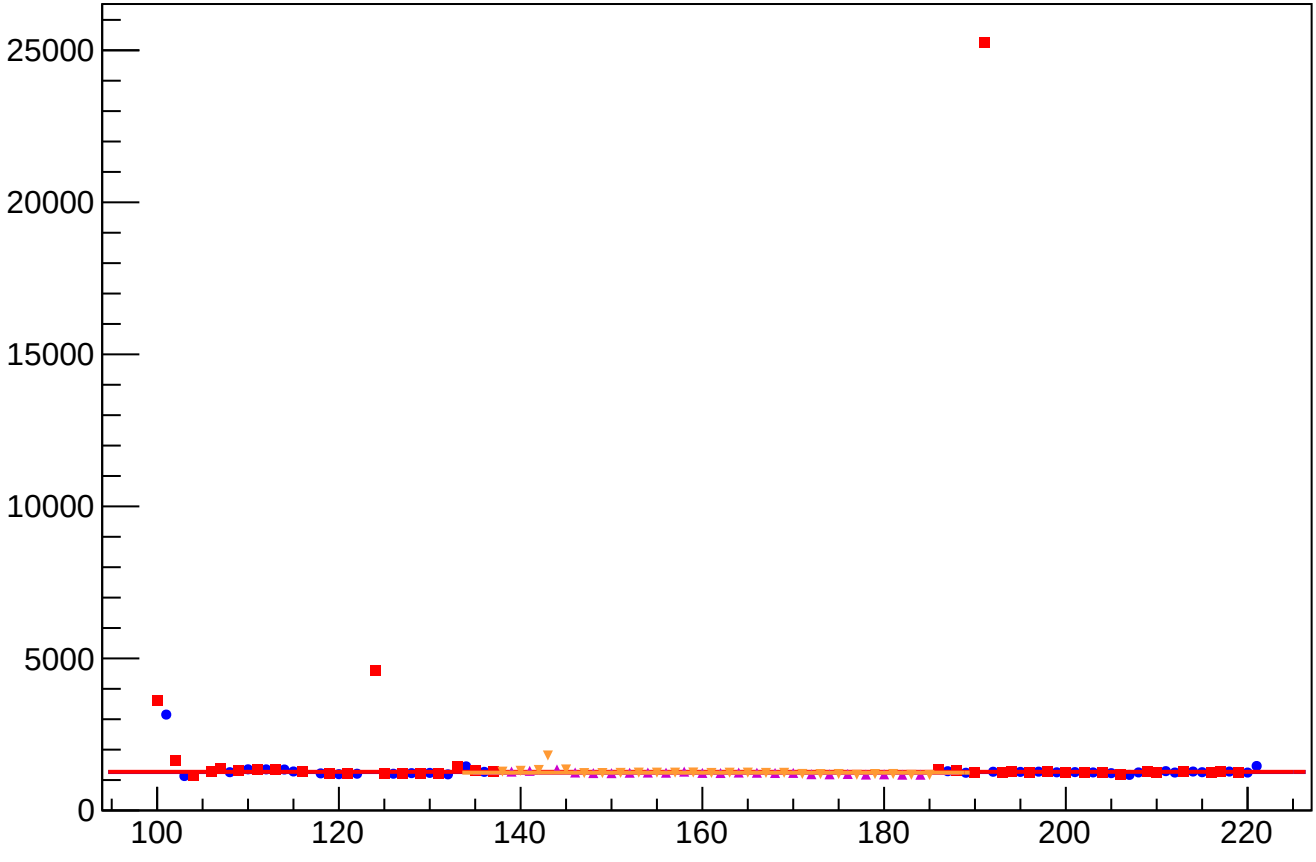
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.256+/-140.354 χ^2/NDF: 103.5/118

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

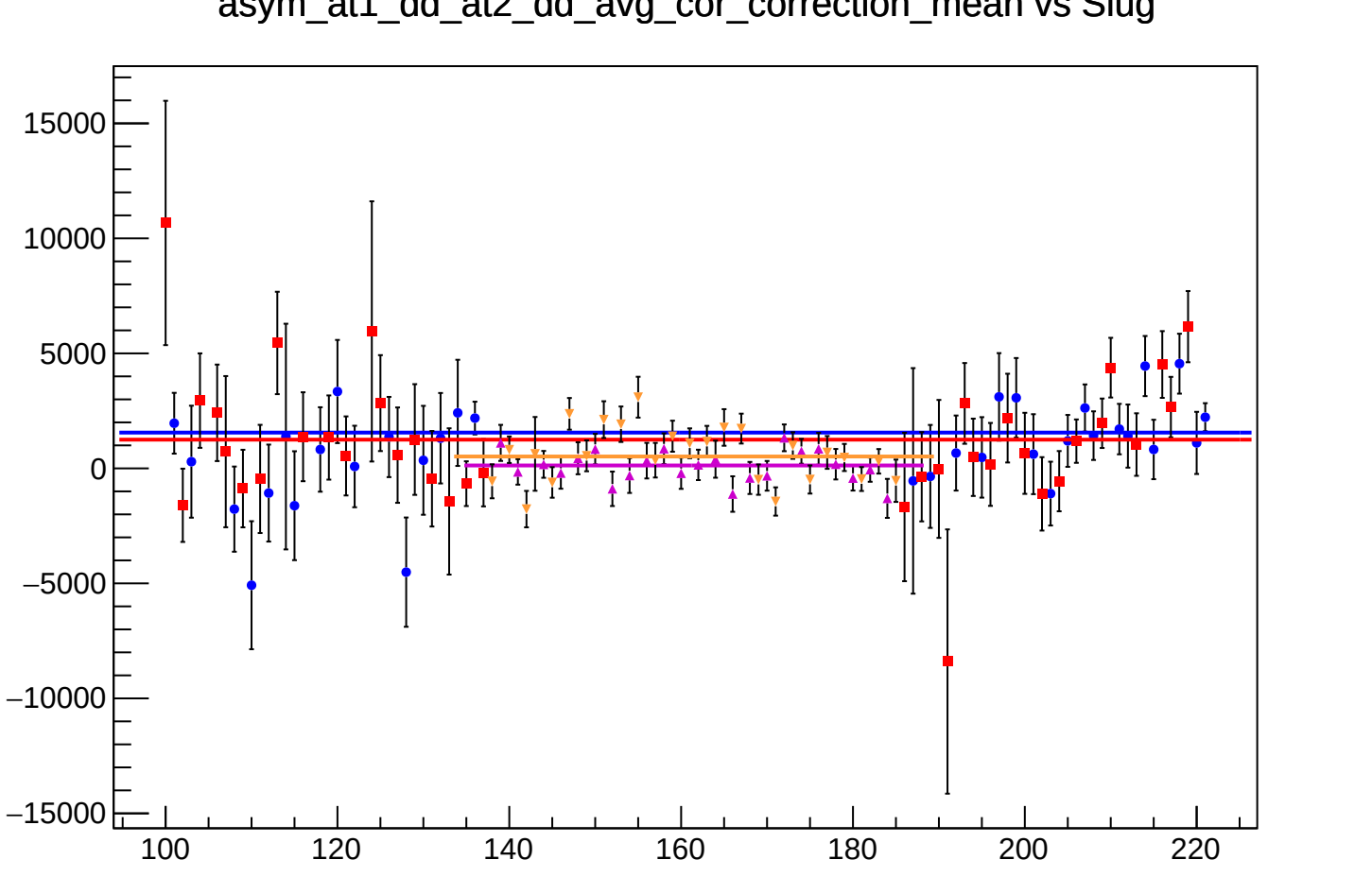
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

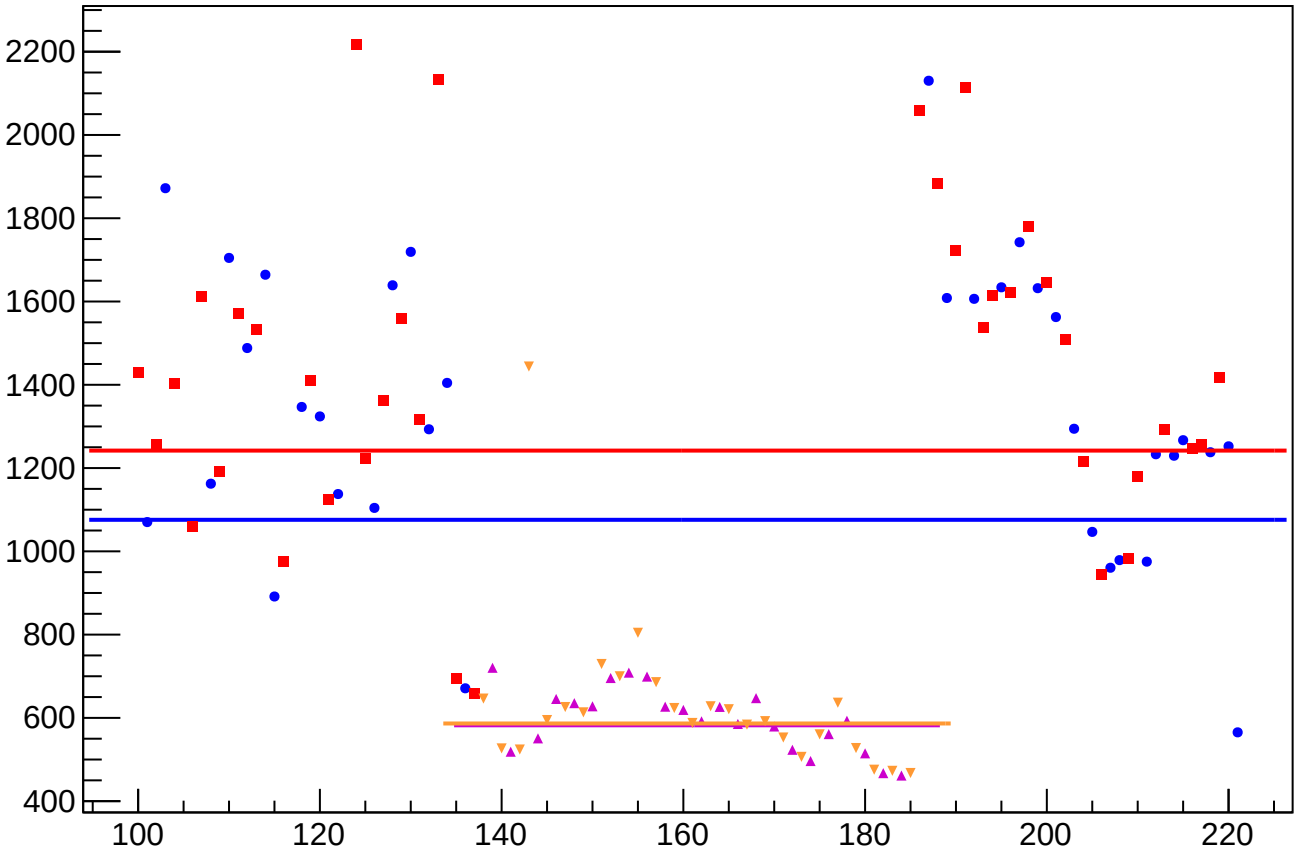
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 562.431+/-85.414 χ^2/NDF: 217.2/118

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

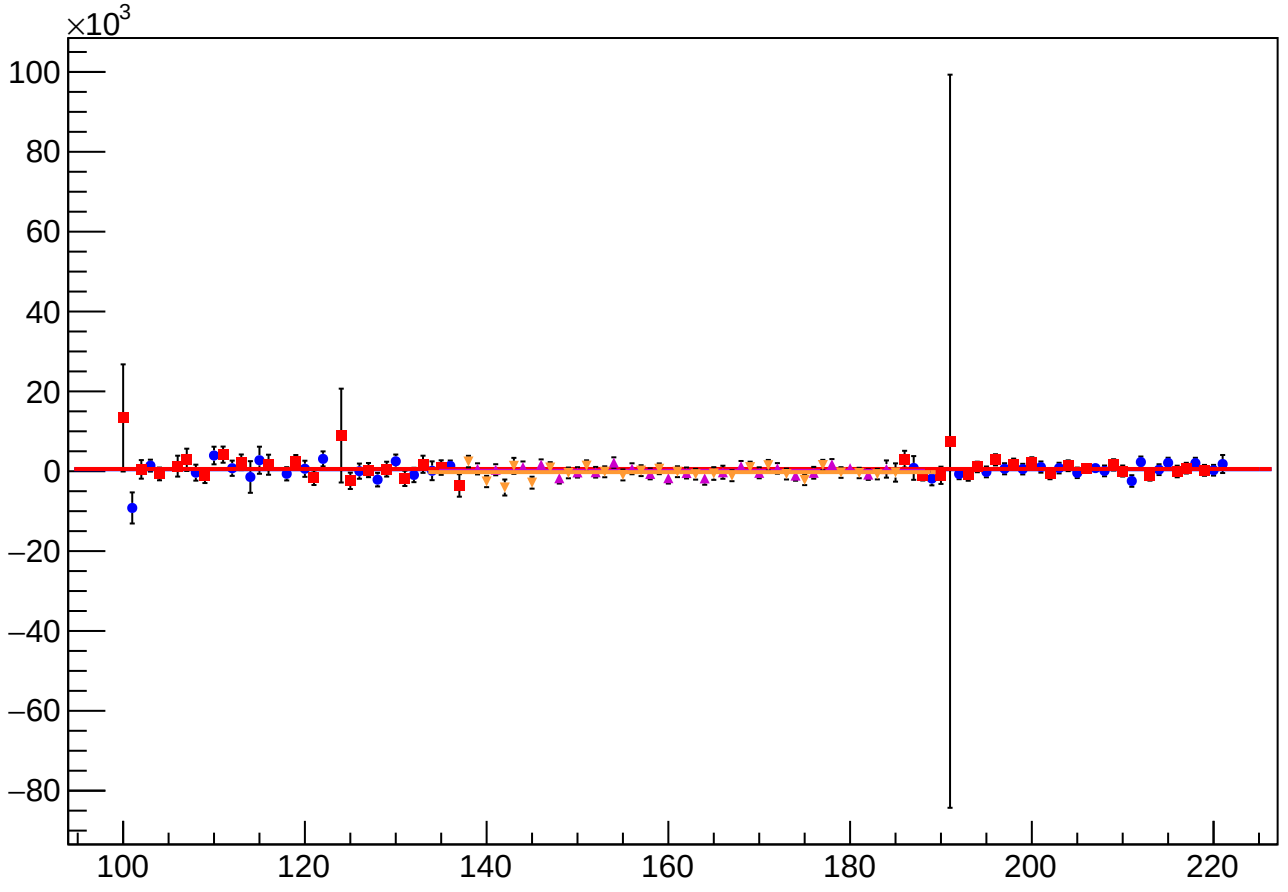
Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59



Right In: 493.300+/-274.379 χ^2/NDF: 30.0/33

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

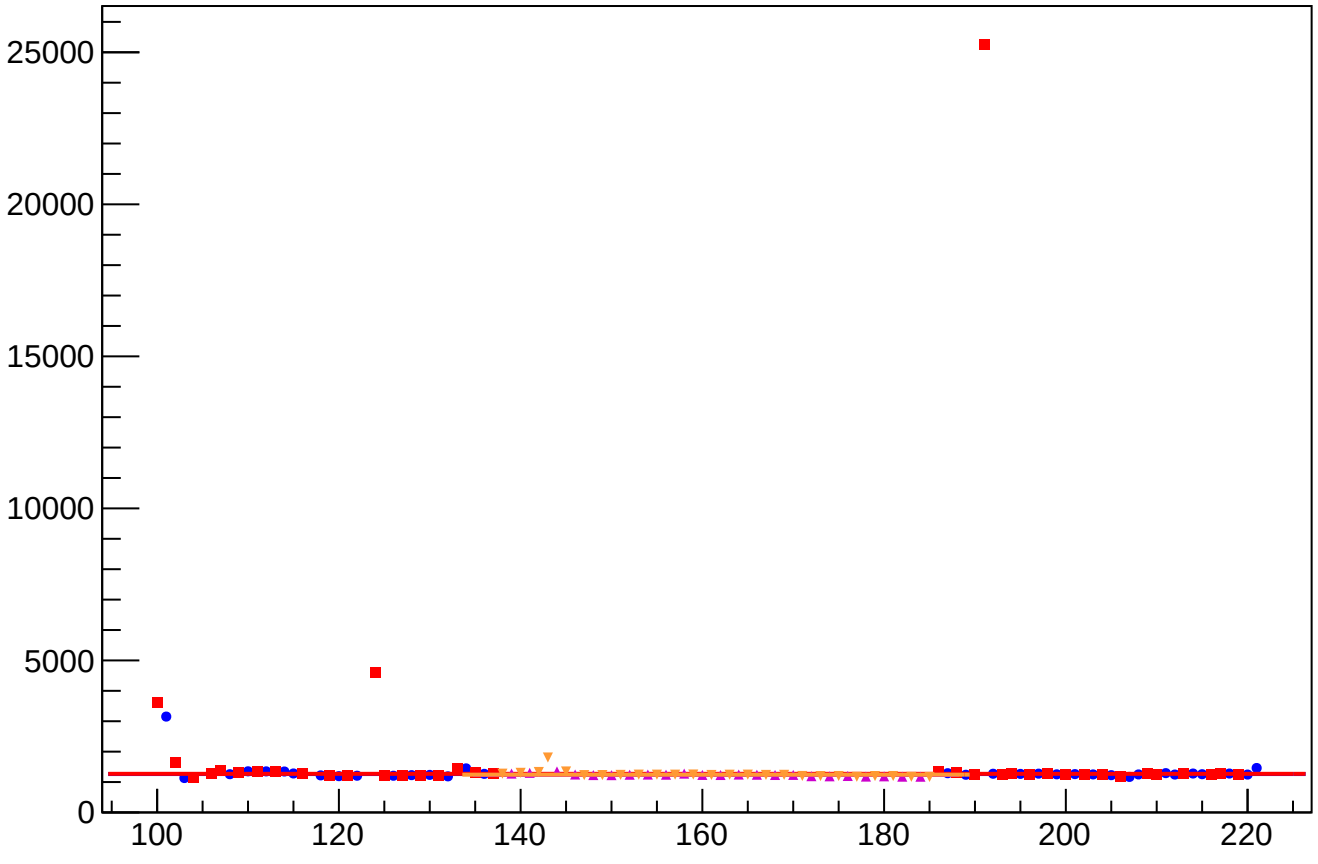
Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign 147.383+/-197.011 χ^2/NDF: 57.2/58

All: 242.256+/-140.354 χ^2/NDF: 103.5/118

\- sign 340.033+/-200.004 χ^2/NDF: 45.9/59



Right In: 1263.146+/-0.194 χ^2/NDF: 552040.9/33

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

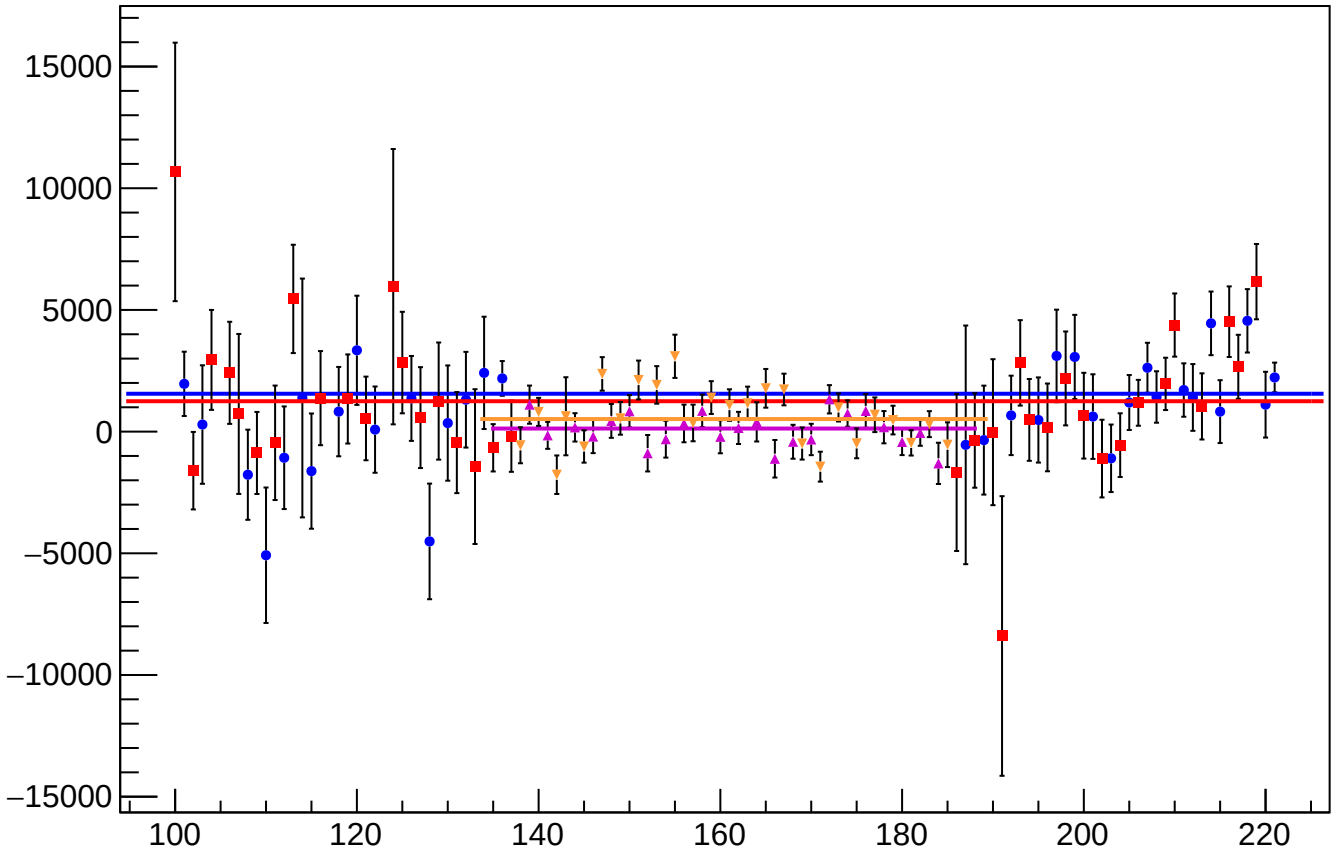
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1253.302+/-0.139 χ^2/NDF: 760654.5/58

All: 1253.004+/-0.099 χ^2/NDF: 1311404.4/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1556.117+/-243.036 χ^2/NDF: 41.9/33

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

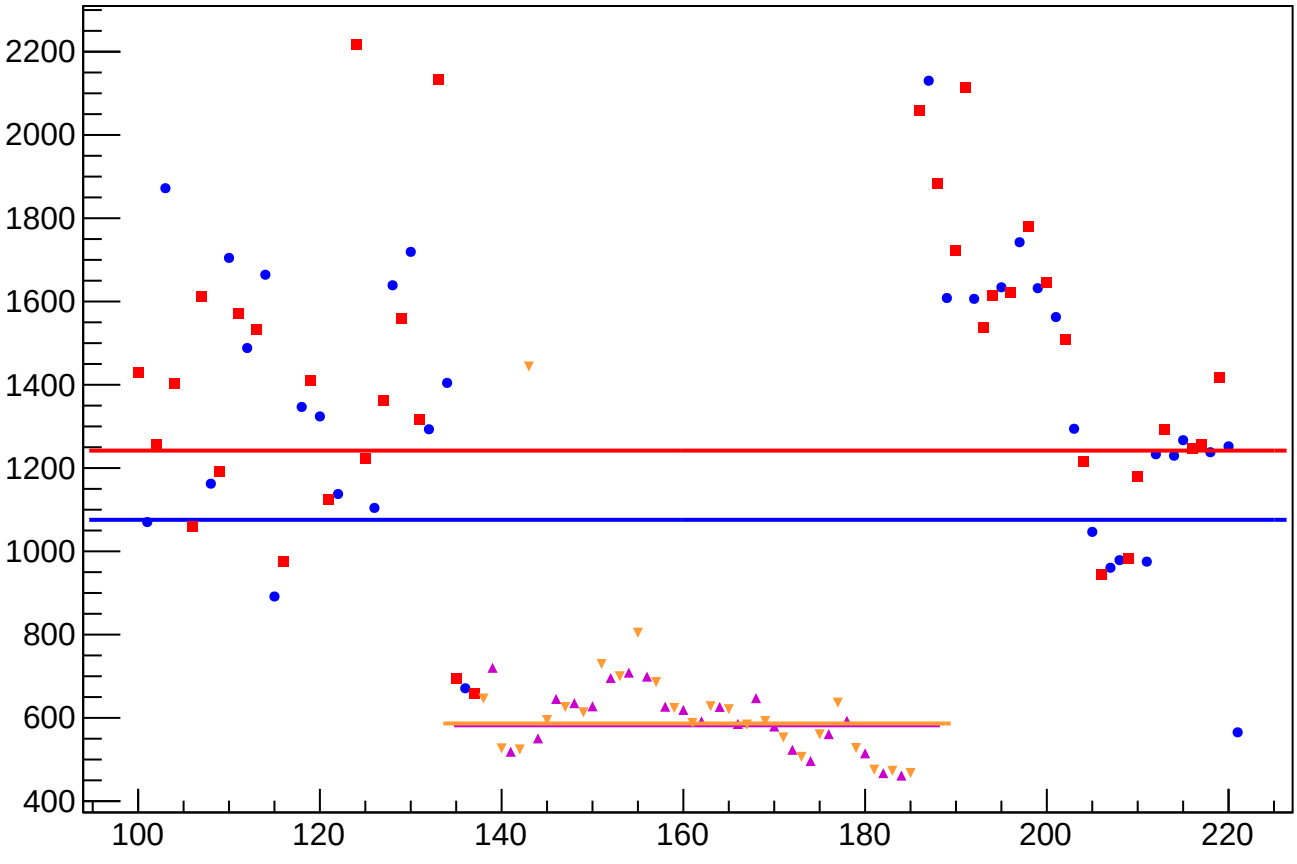
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 763.948+/-118.513 χ^2/NDF: 122.9/58

All: 562.431+/-85.414 χ^2/NDF: 217.2/118

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1075.723+/-0.172 χ^2/NDF: 4384508.3/33

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

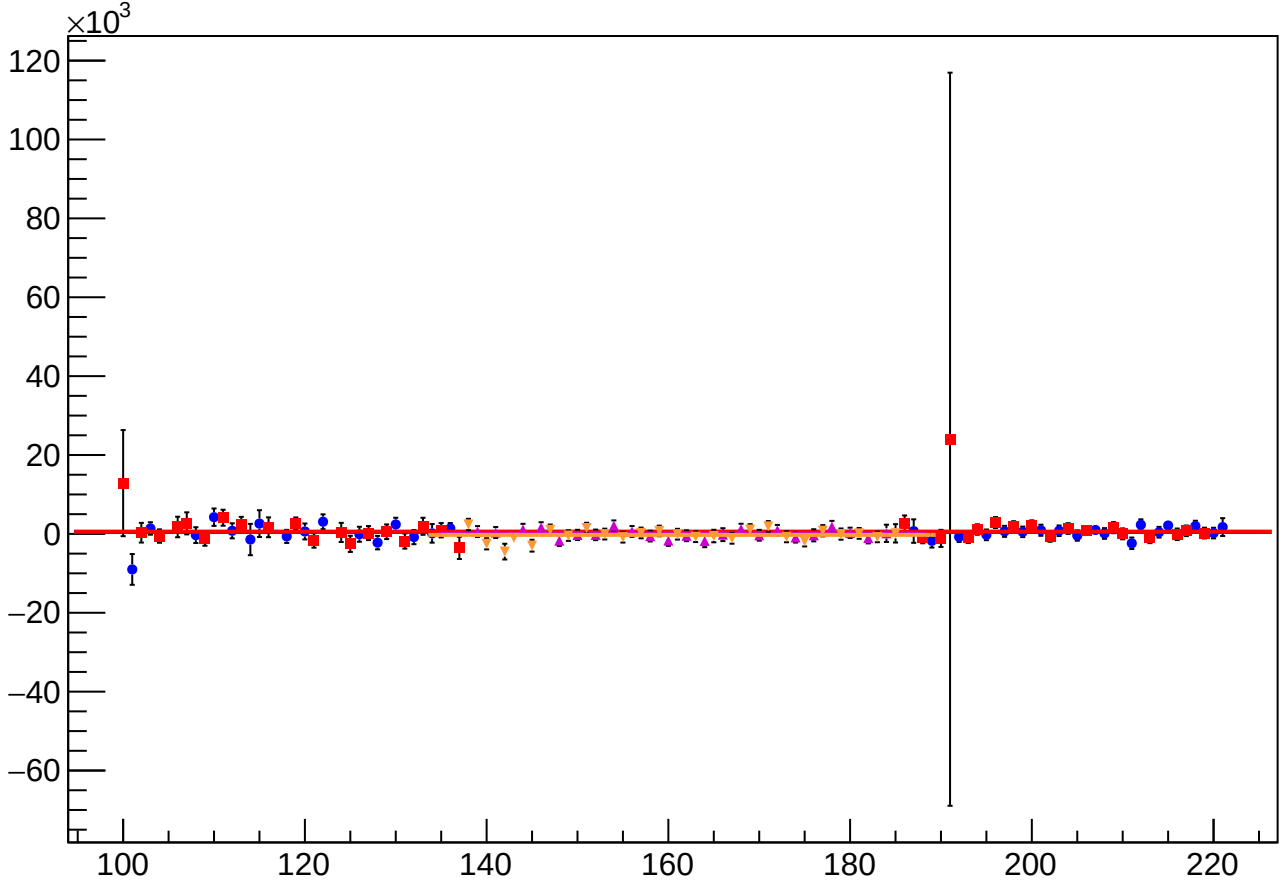
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 702.879+/-0.084 χ^2/NDF: 11762756.9/58

All: 706.489+/-0.060 χ^2/NDF: 24066174.6/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 496.950+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.132+/-277.217 χ^2/NDF: 29.3/36

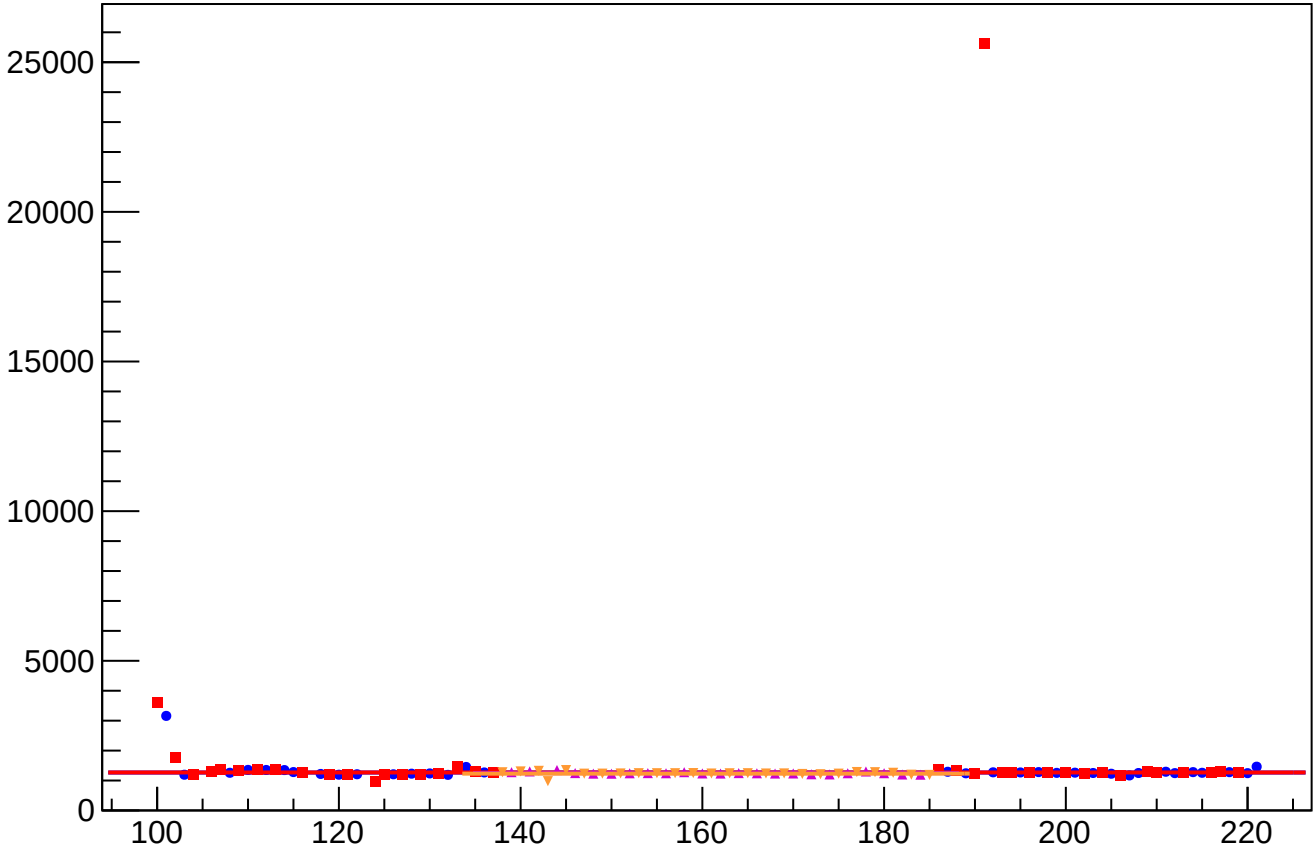
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.518+/-196.216 χ^2/NDF: 57.5/58

All: 229.035+/-140.361 χ^2/NDF: 102.8/118

- sign 333.326+/-200.868 χ^2/NDF: 44.8/59

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541355.9/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

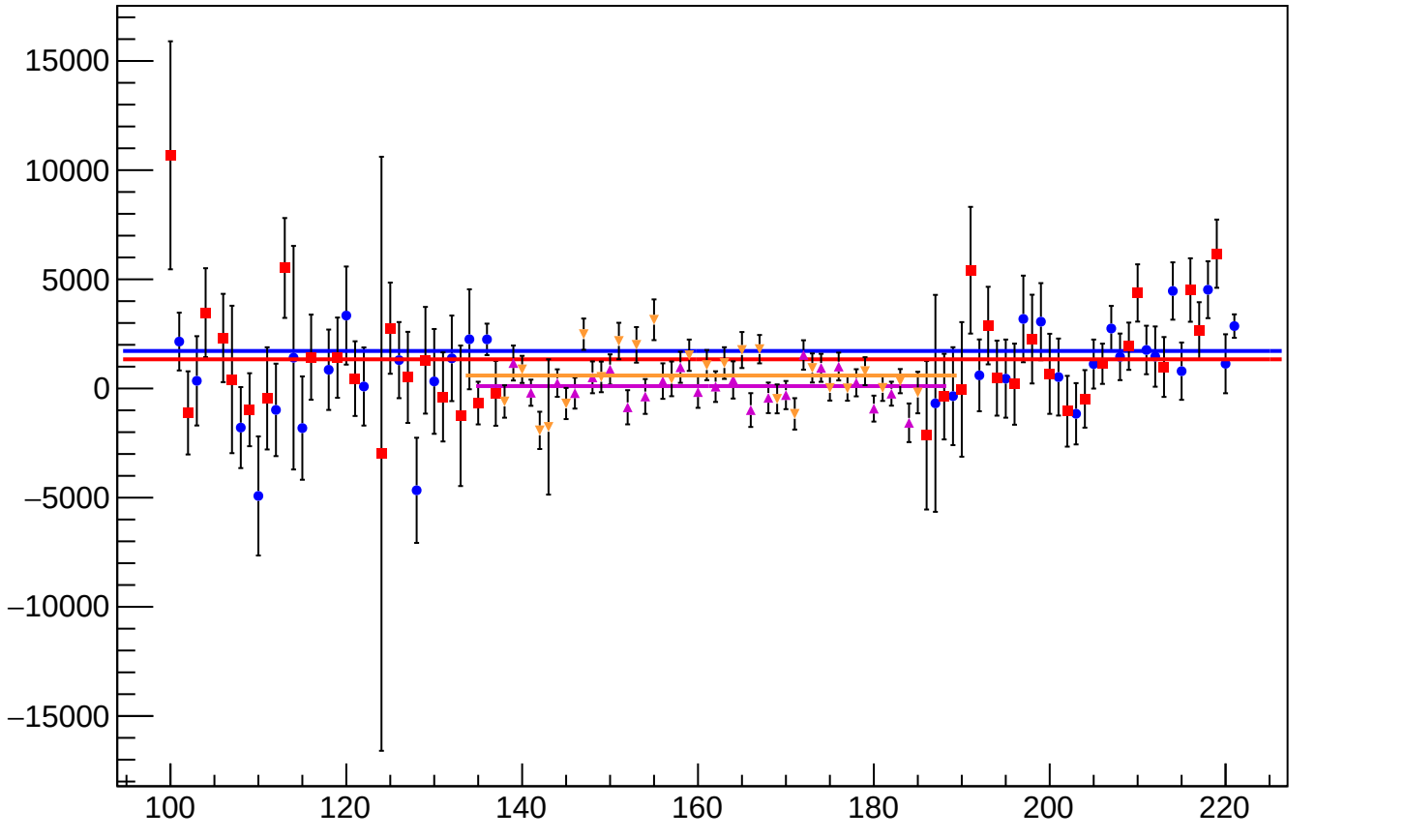
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700472.5/58

All: 1253.707+/-0.099 χ^2/NDF: 1122129.5/11

- sign 1258.991+/-0.142 χ^2/NDF: 418953.0/59



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

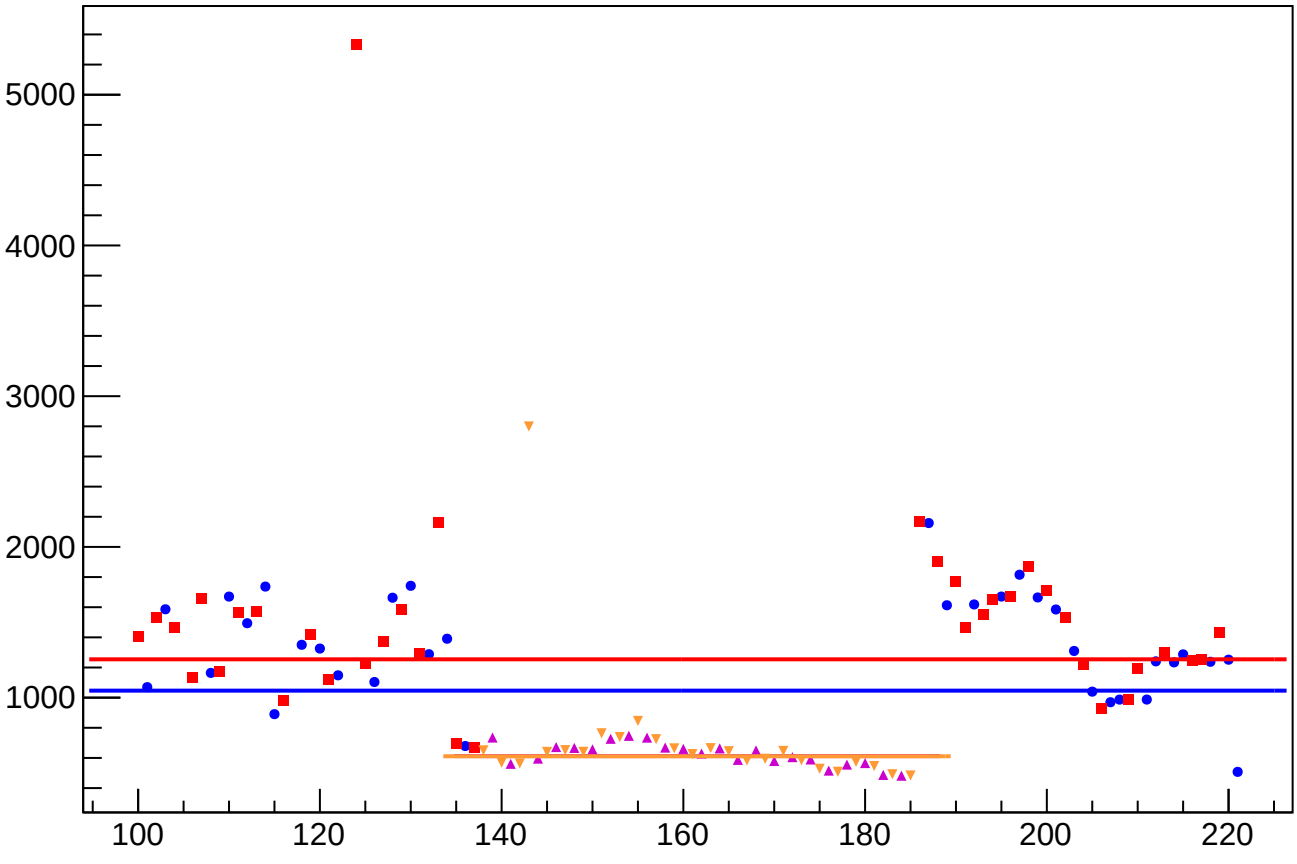
Right Out: 1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 640.311+/-88.476 χ^2/NDF: 220.8/118

- sign 365.077+/-128.374 χ^2/NDF: 91.4/59



Right In: 1046.482+/-0.169 χ^2/NDF: 5164898.1/33

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

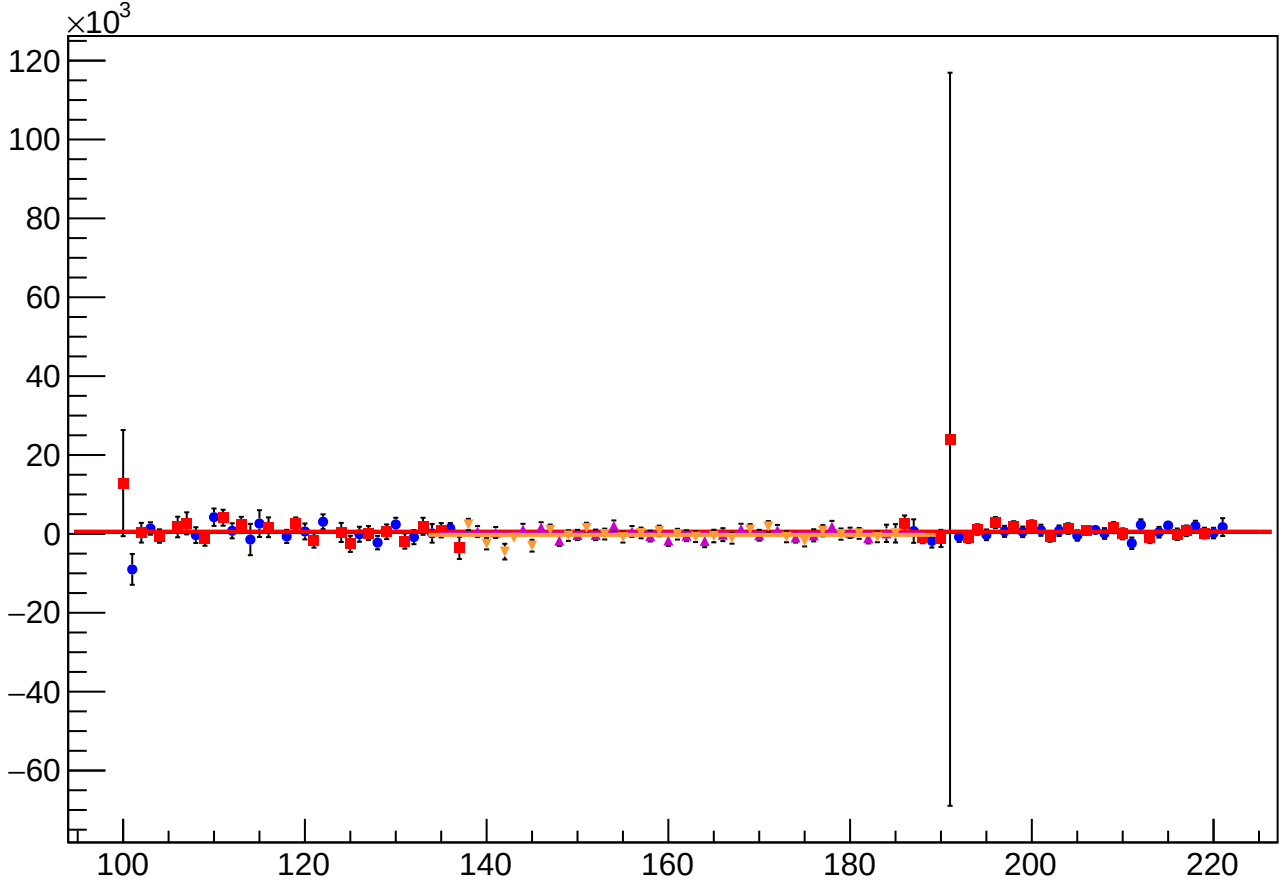
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 725.119+/-0.086 χ^2/NDF: 11699702.5/58

All: 734.942+/-0.063 χ^2/NDF: 23525468.5/11

- sign 745.800+/-0.091 χ^2/NDF: 11798514.6/59

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 496.945+/-275.122 χ^2/NDF: 29.8/33

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.130+/-277.217 χ^2/NDF: 29.3/36

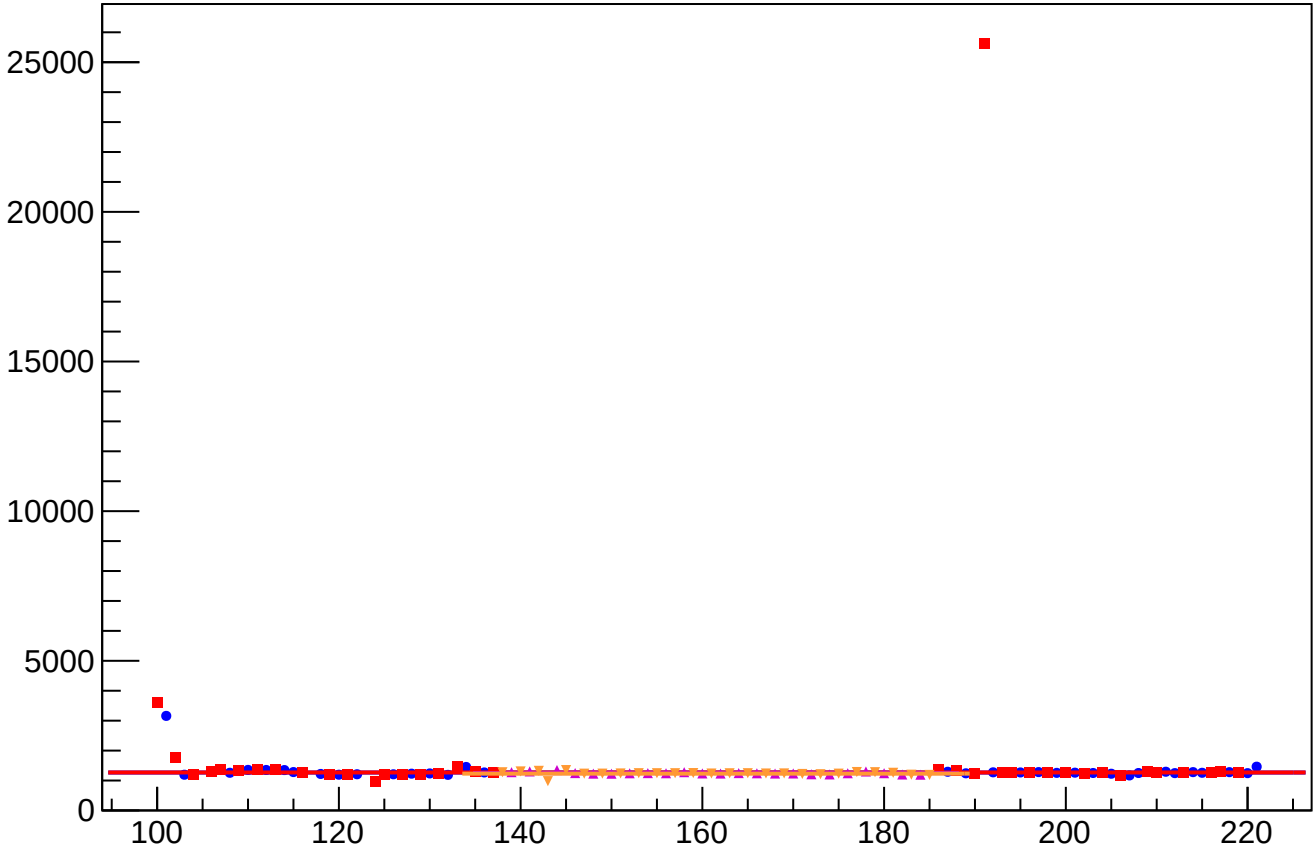
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 129.515+/-196.216 χ^2/NDF: 57.5/58

All: 229.032+/-140.361 χ^2/NDF: 102.8/118

- sign 333.325+/-200.868 χ^2/NDF: 44.8/59

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1266.710+/-0.195 χ^2/NDF: 541356.0/33

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

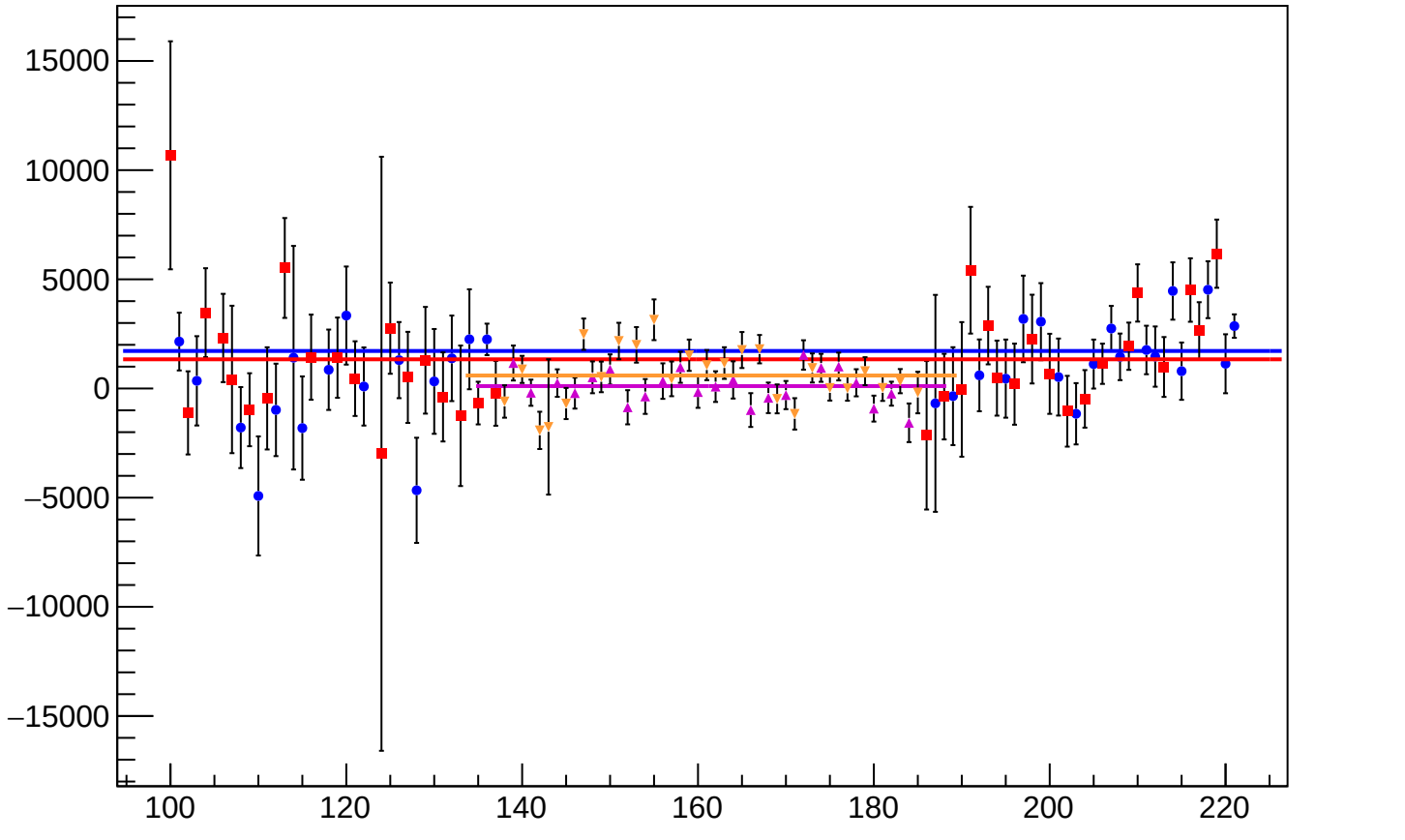
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1248.666+/-0.139 χ^2/NDF: 700471.7/58

All: 1253.707+/-0.099 χ^2/NDF: 1122128.5/11

- sign 1258.990+/-0.142 χ^2/NDF: 418952.8/59



Right In: 1718.808+/-238.601 χ^2/NDF: 46.9/33

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

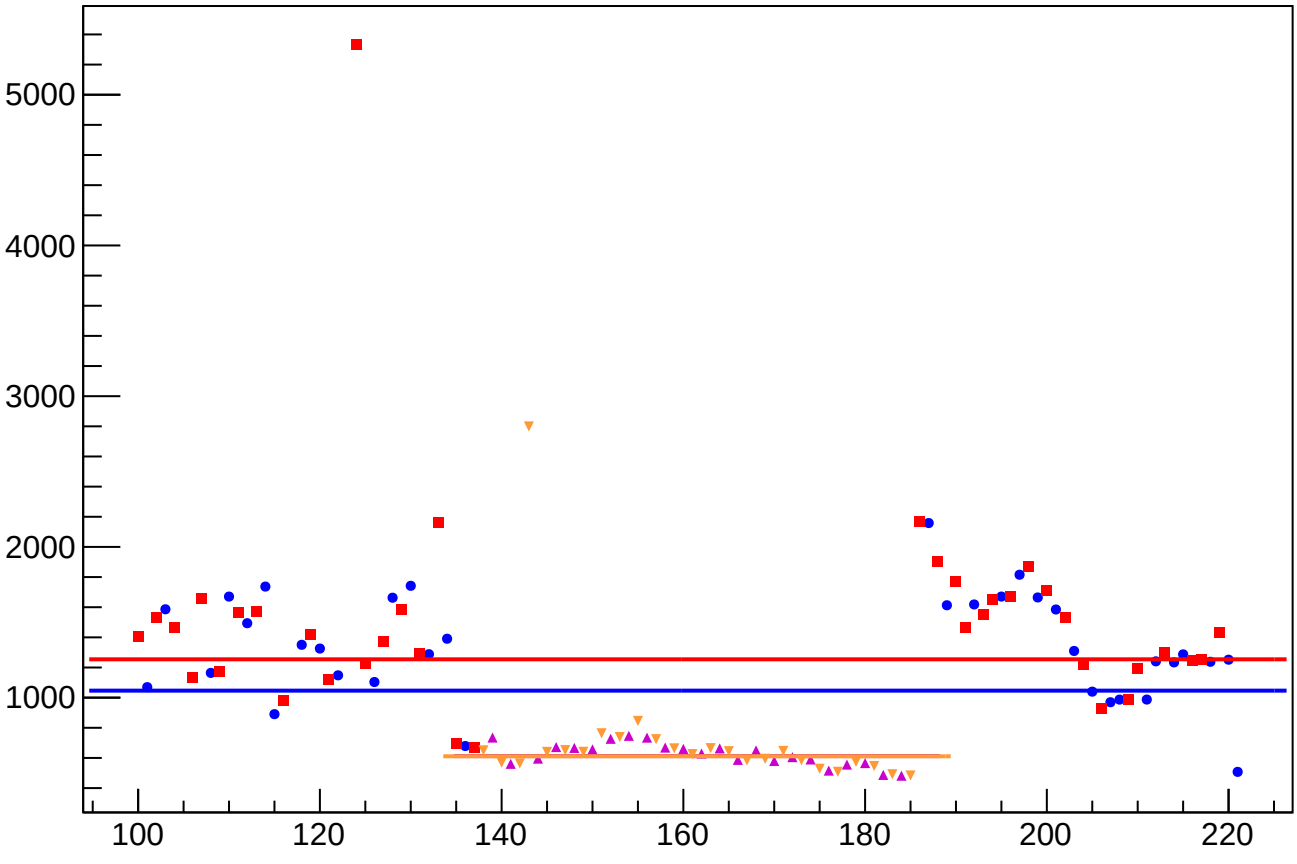
Right Out: 1336.524+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 889.330+/-122.108 χ^2/NDF: 120.6/58

All: 640.311+/-88.476 χ^2/NDF: 220.8/118

- sign 365.076+/-128.374 χ^2/NDF: 91.4/59



Right In: 1046.482+/-0.169 χ^2/NDF: 5164850.7/33

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

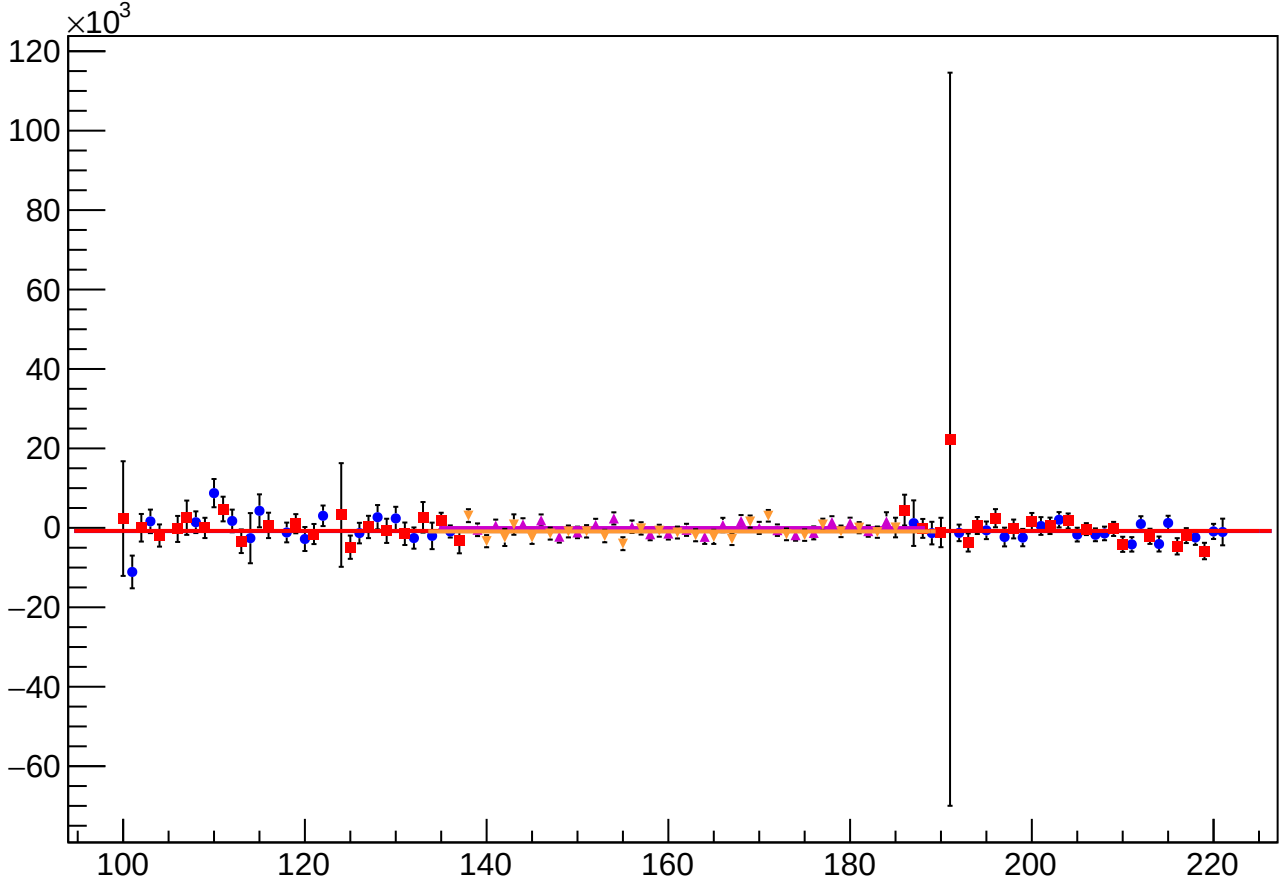
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 725.118+/-0.086 χ^2/NDF: 11699656.6/58

All: 734.942+/-0.063 χ^2/NDF: 23525431.2/11

- sign 745.799+/-0.091 χ^2/NDF: 11798524.0/59

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -809.503+/-397.239 χ^2/NDF: 36.5/33

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -771.194+/-411.095 χ^2/NDF: 33.8/36

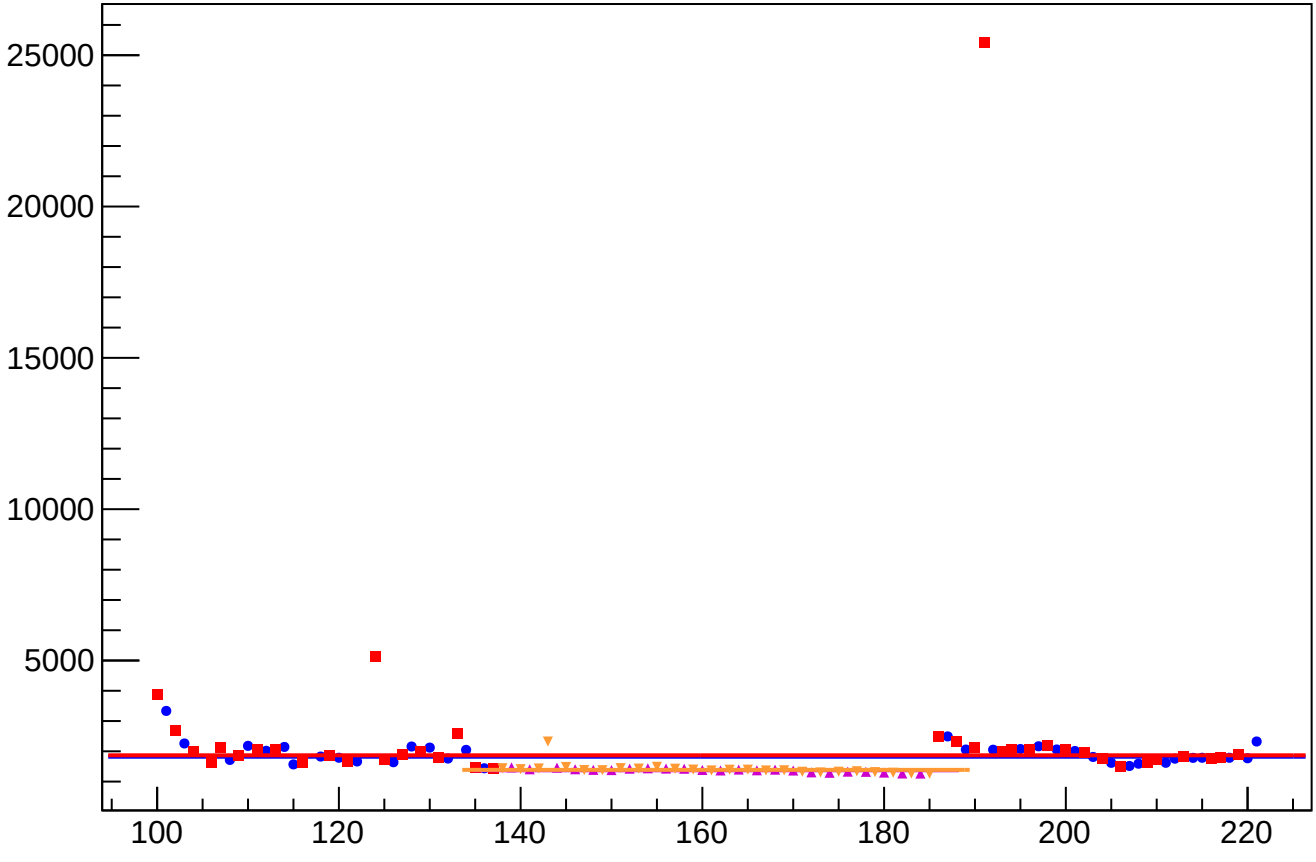
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -864.802+/-247.513 χ^2/NDF: 66.4/58

All: -599.301+/-176.916 χ^2/NDF: 122.4/118

- sign -321.960+/-252.971 χ^2/NDF: 53.6/59

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1821.130+/-0.281 χ^2/NDF: 940749.0/33

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

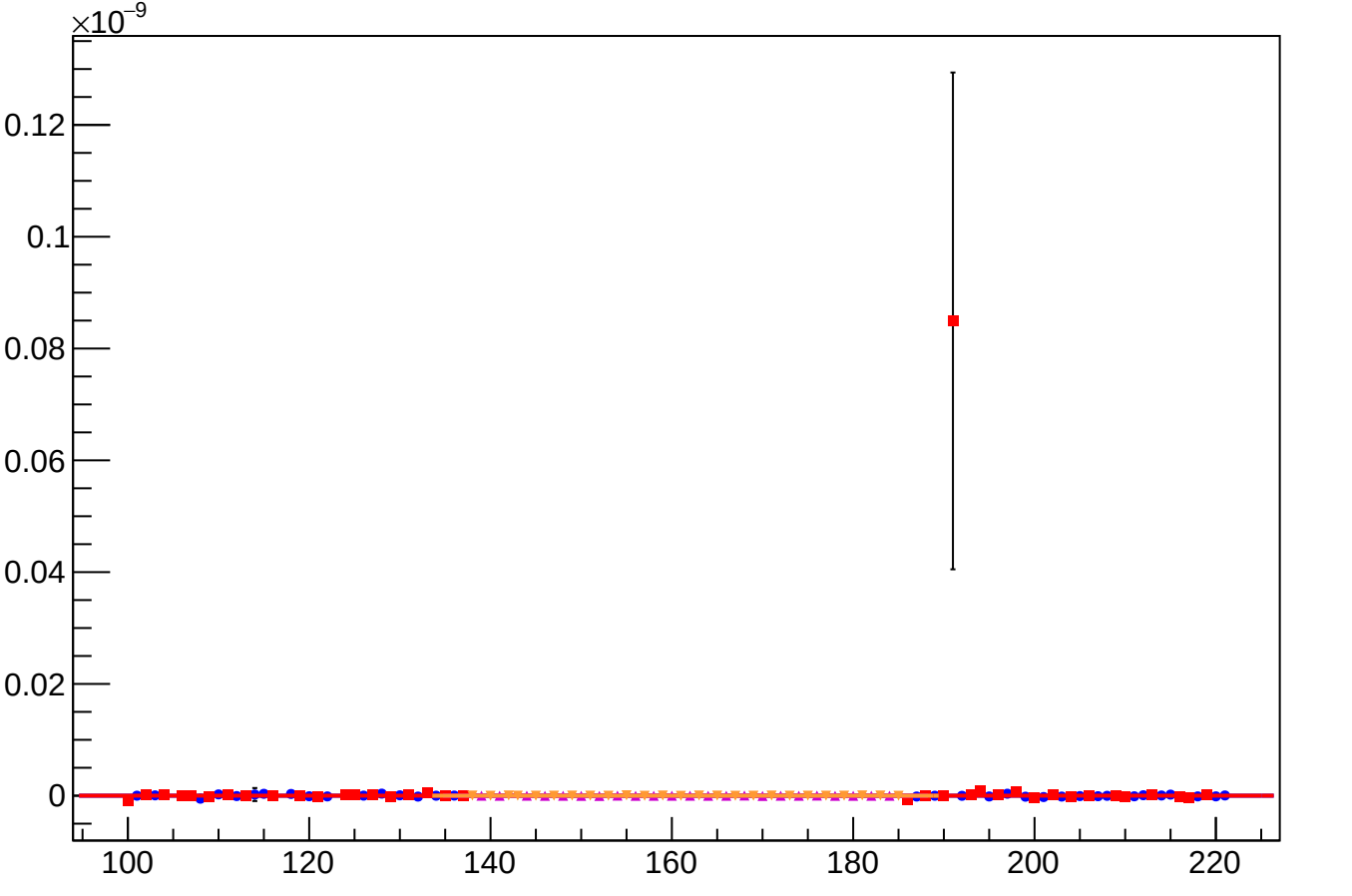
Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1555.448+/-0.175 χ^2/NDF: 2742937.1/58

All: 1557.971+/-0.125 χ^2/NDF: 5668633.4/11

- sign 1560.607+/-0.179 χ^2/NDF: 2925271.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

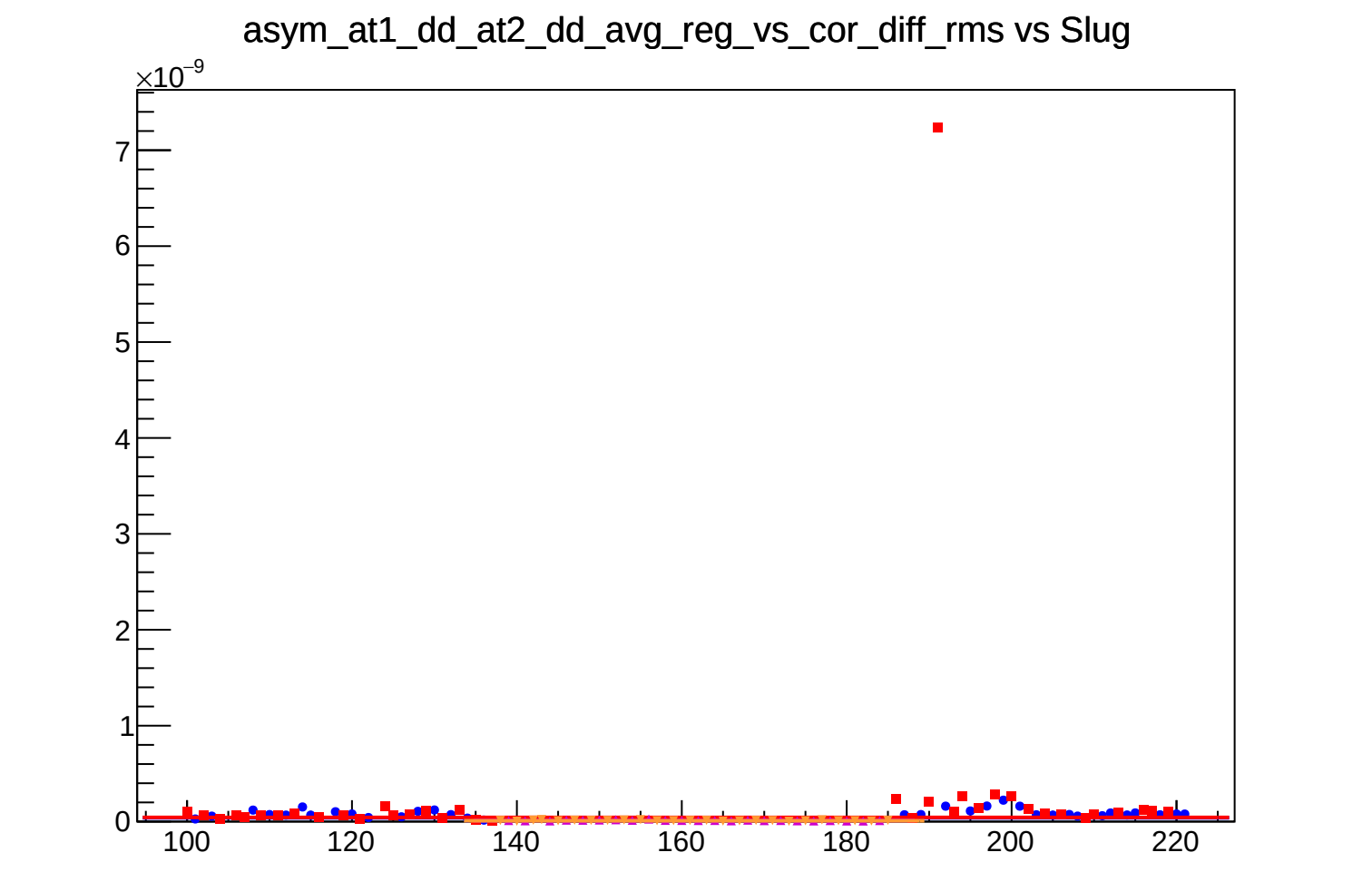
Right Out: 0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/58

All: 0.000+/-0.000 χ^2/NDF: 126.8/118

- sign -0.000+/-0.000 χ^2/NDF: 72.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 7488737.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

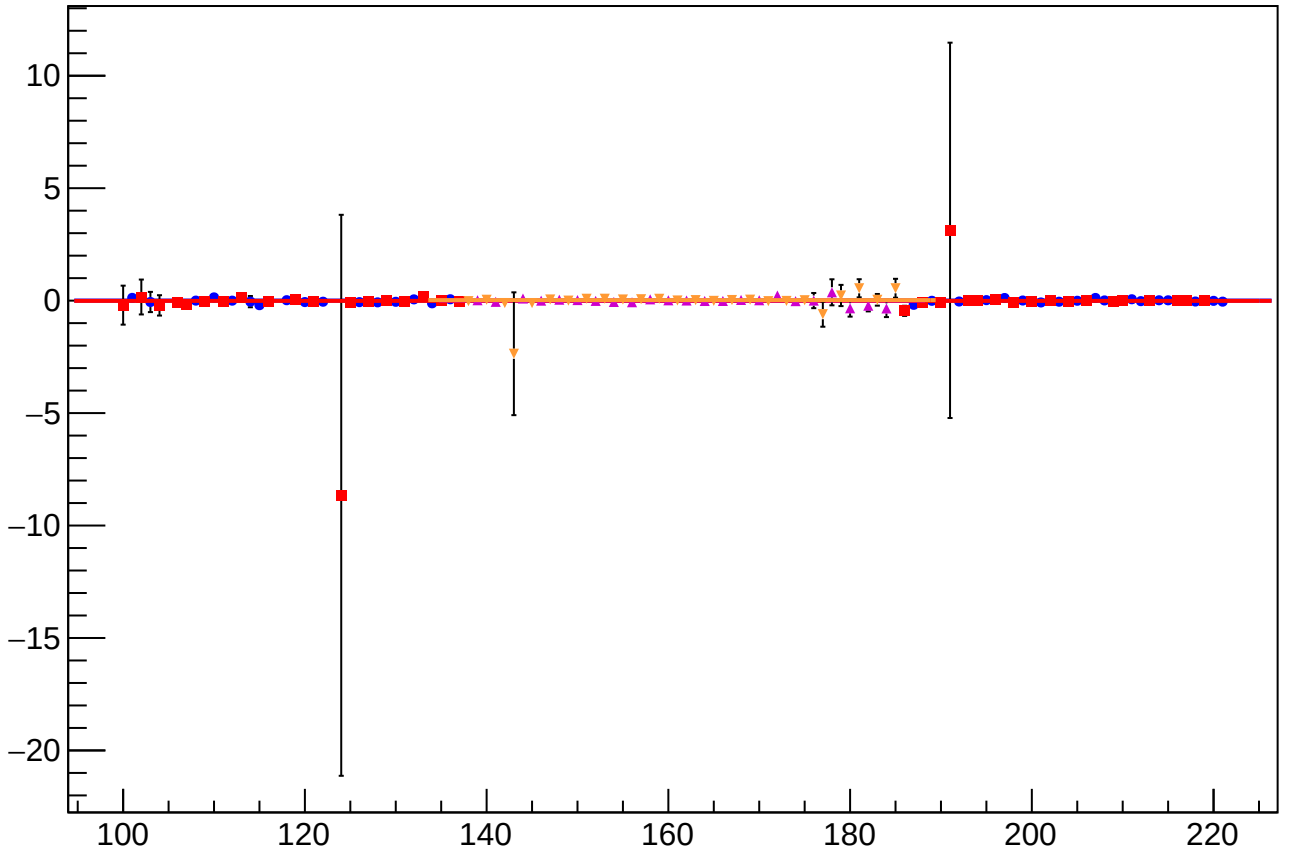
Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16405468.8/58

All: 0.000+/-0.000 χ^2/NDF: 31729031.4/118

- sign 0.000+/-0.000 χ^2/NDF: 15062116.3/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

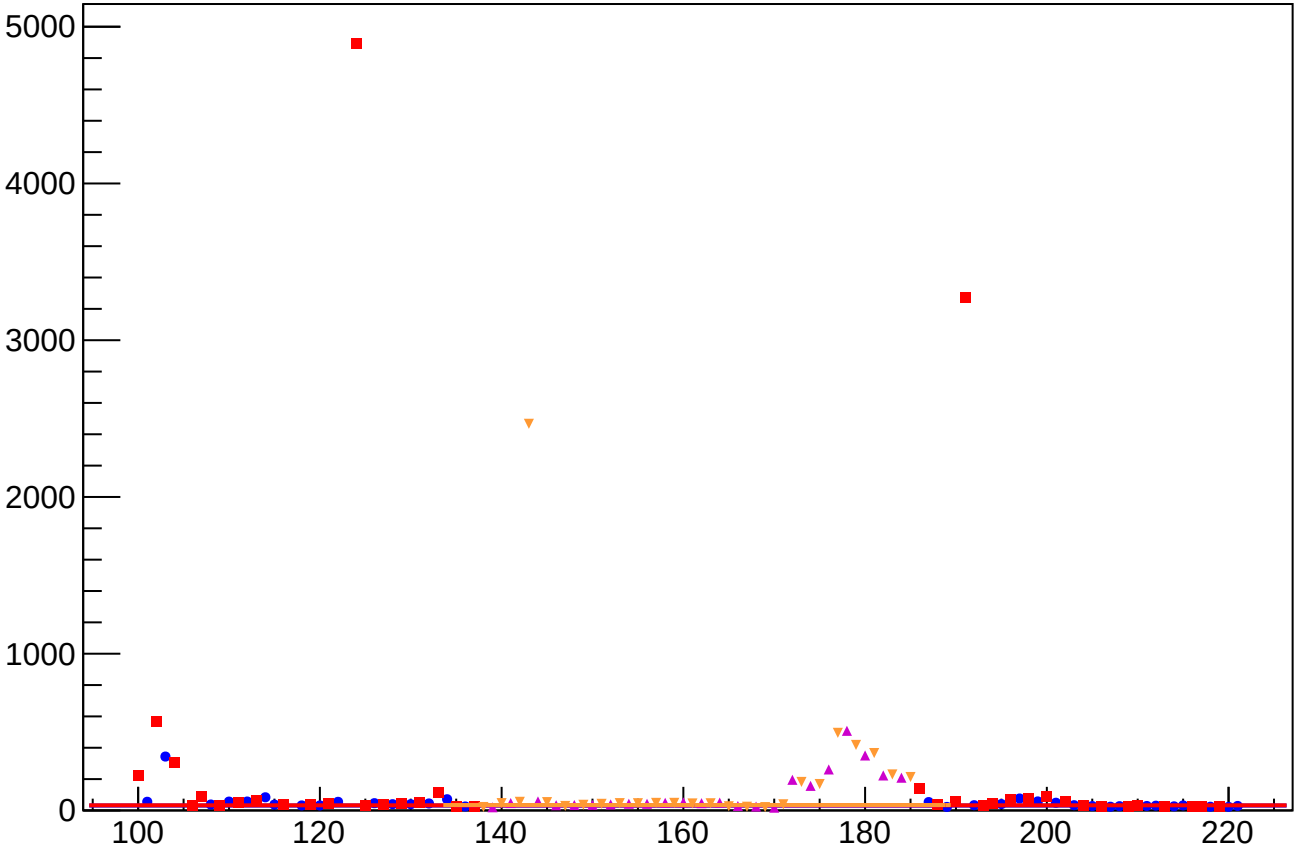
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

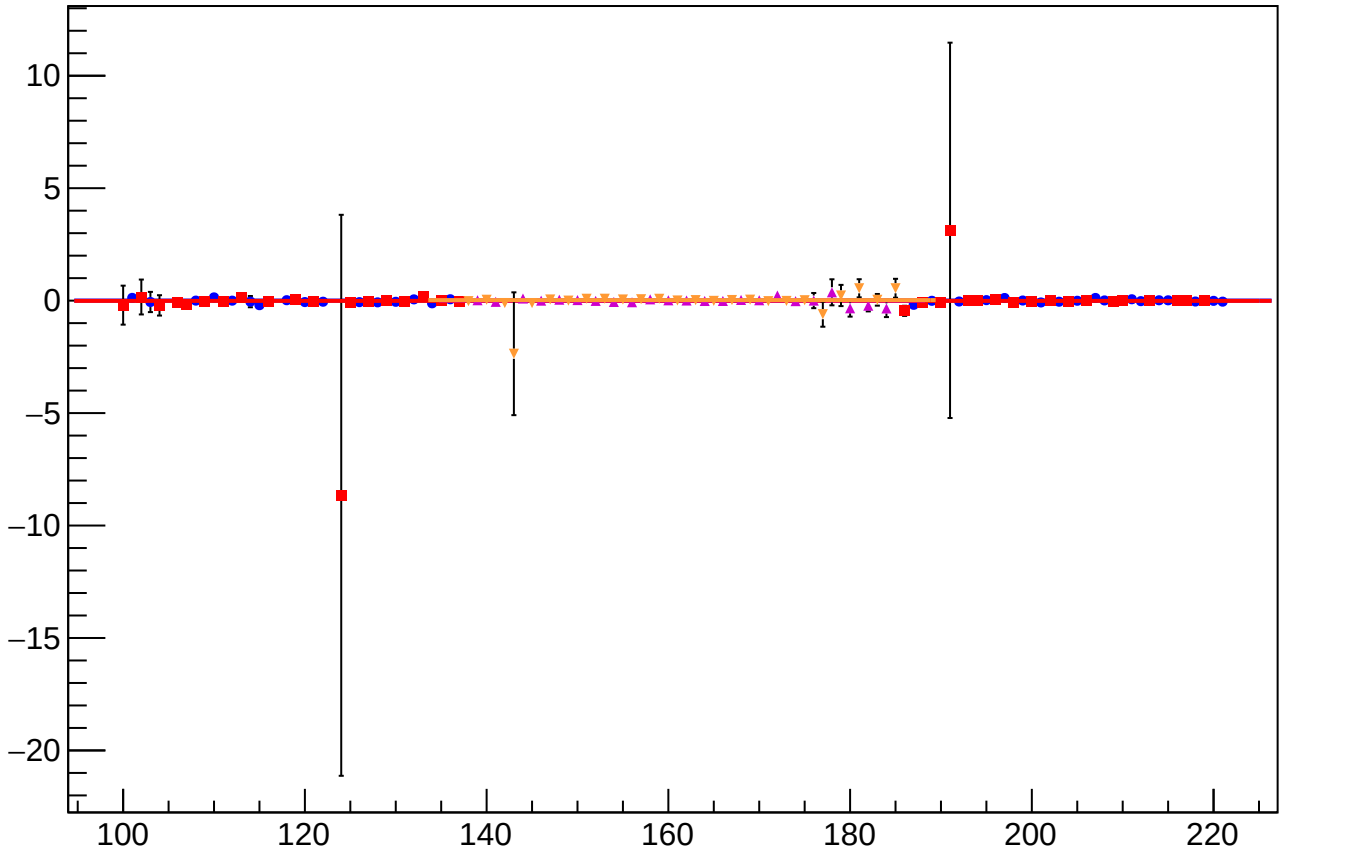
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

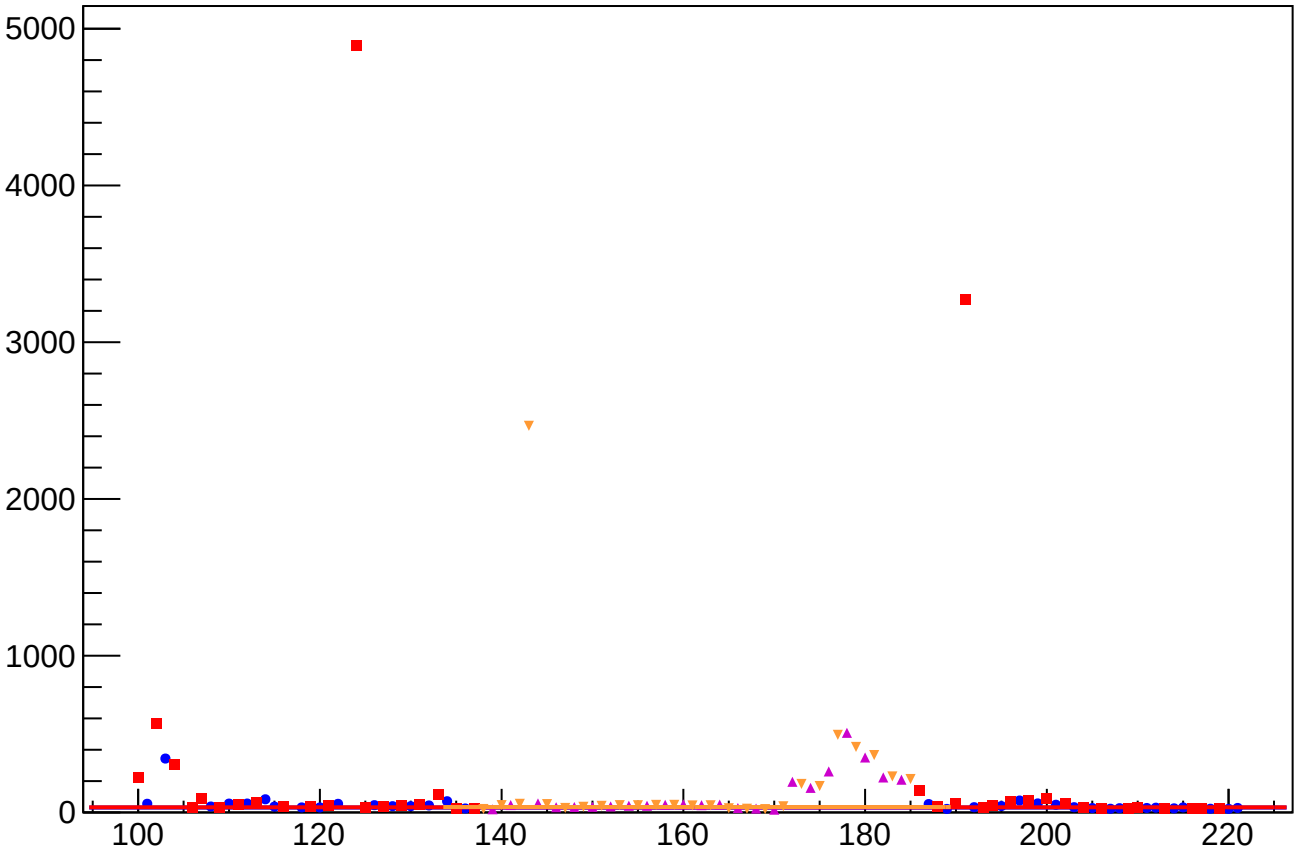
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.173+/-0.005 χ^2/NDF: 4179912.5/33

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

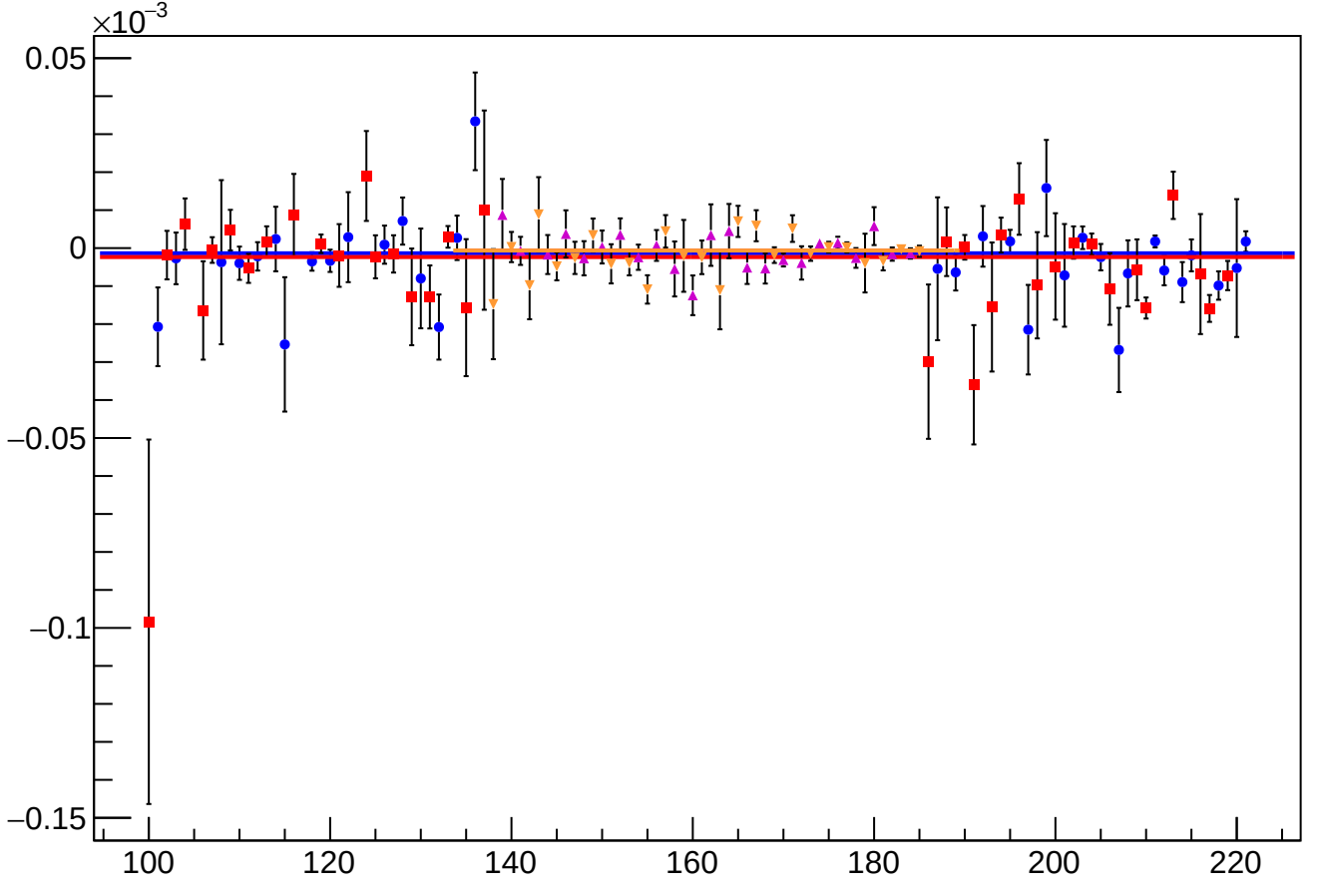
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.433+/-0.004 χ^2/NDF: 15727515.7/58

All: 32.782+/-0.003 χ^2/NDF: 32677374.9/118

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

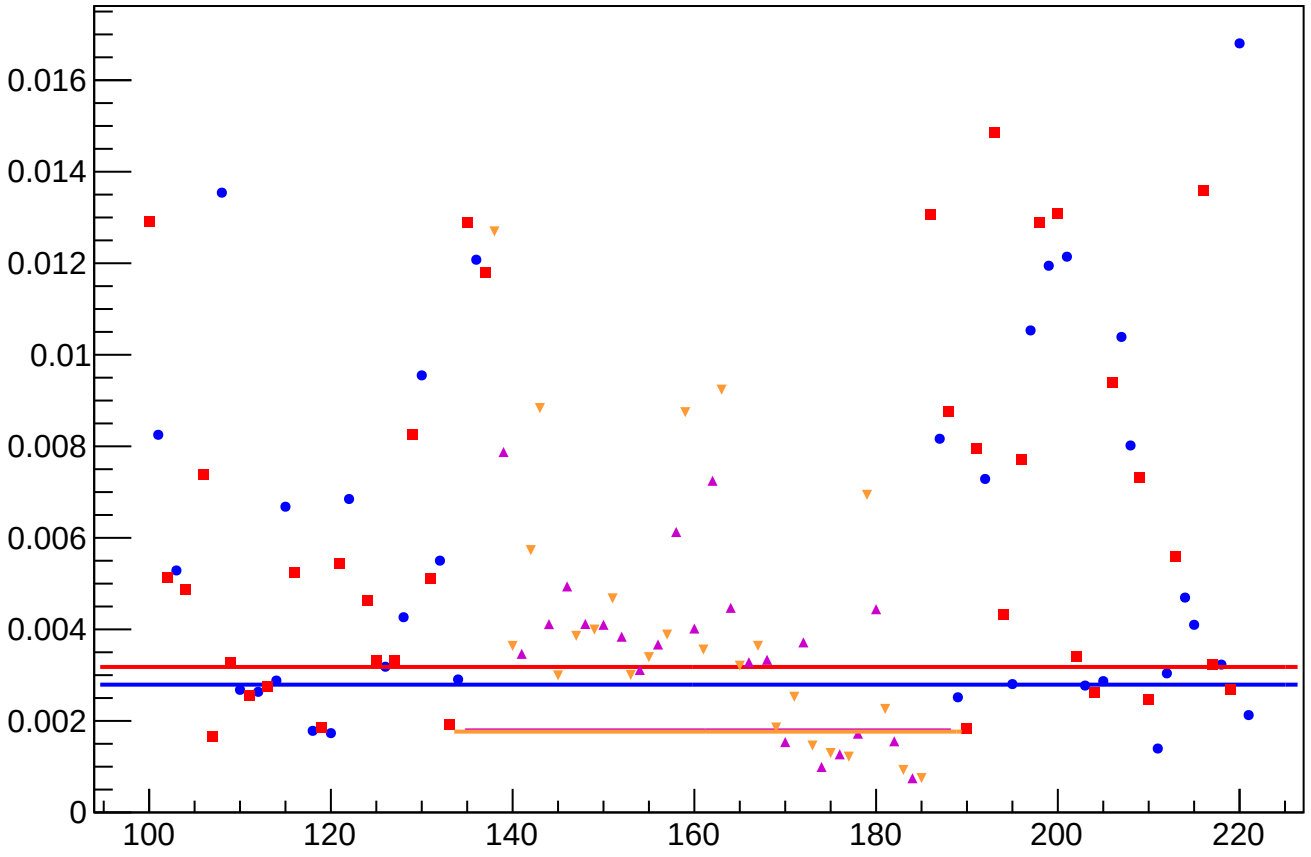
Right Out: -0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.6/58

All: -0.000+/-0.000 χ^2/NDF: 191.3/118

- sign -0.000+/-0.000 χ^2/NDF: 110.4/59



Right In: 0.003+/-0.000 χ^2/NDF: 12866926.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

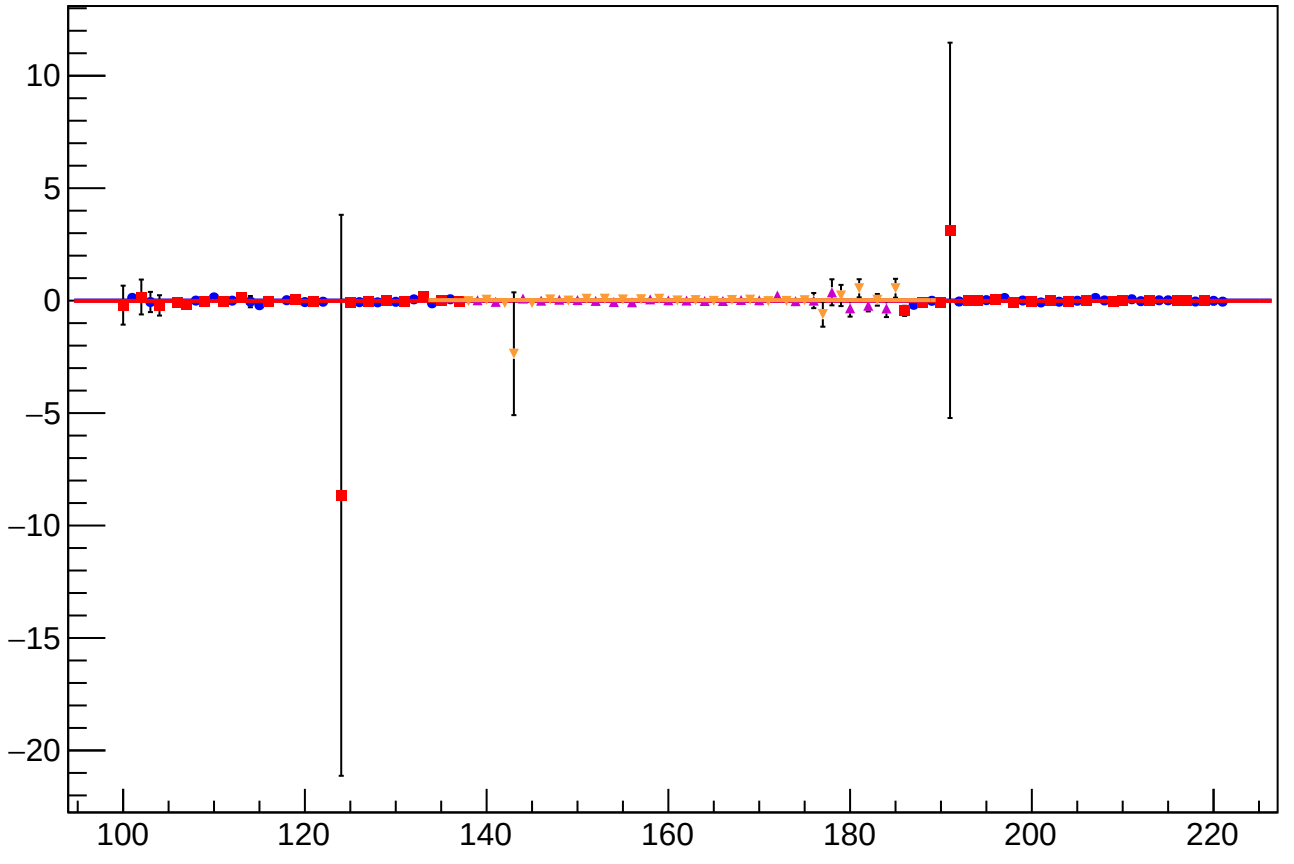
Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 28334208.2/58

All: 0.002+/-0.000 χ^2/NDF: 54646647.9/118

- sign 0.002+/-0.000 χ^2/NDF: 26245327.7/59



Right In: 0.004+/-0.008 χ^2/NDF: 49.6/33

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

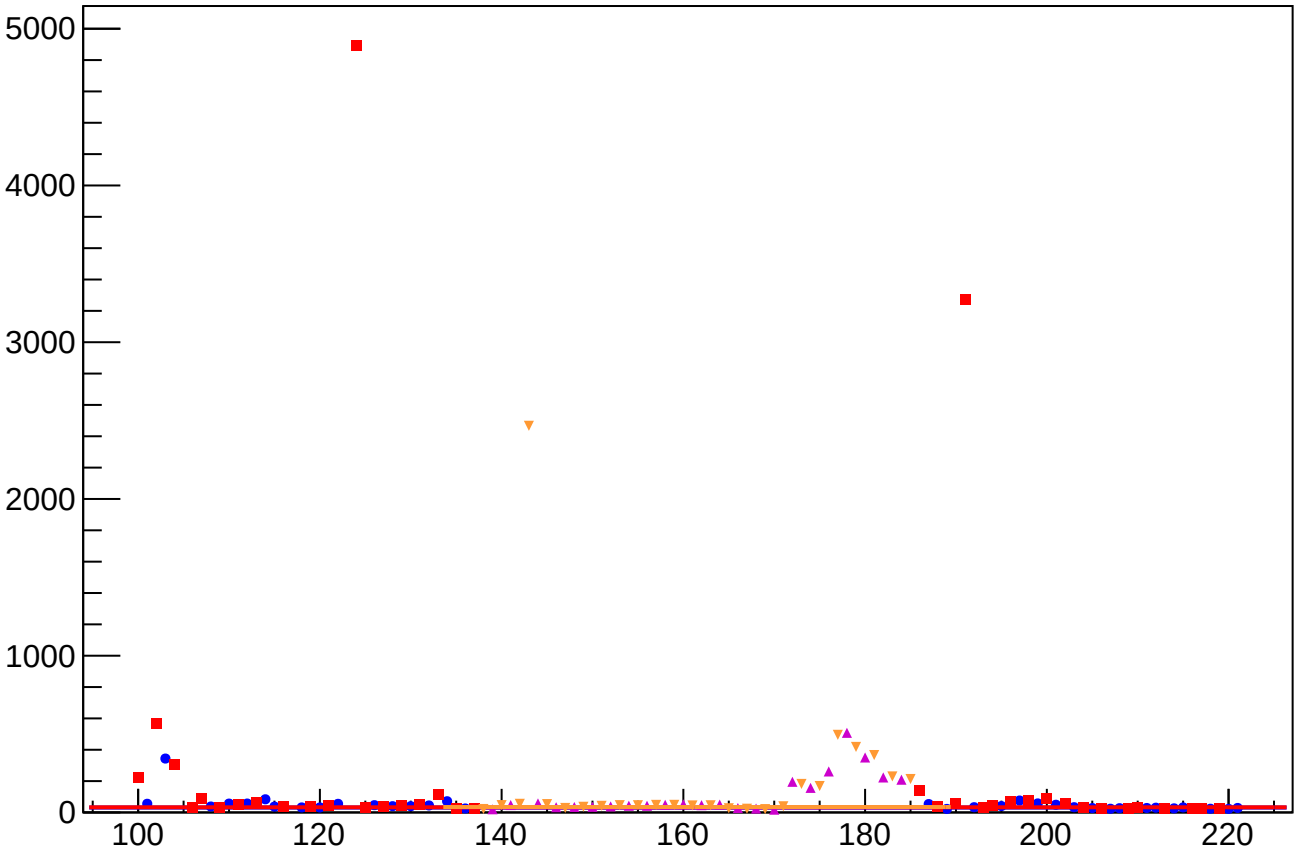
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.011+/-0.006 χ^2/NDF: 74.8/58

All: 0.005+/-0.004 χ^2/NDF: 118.8/118

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

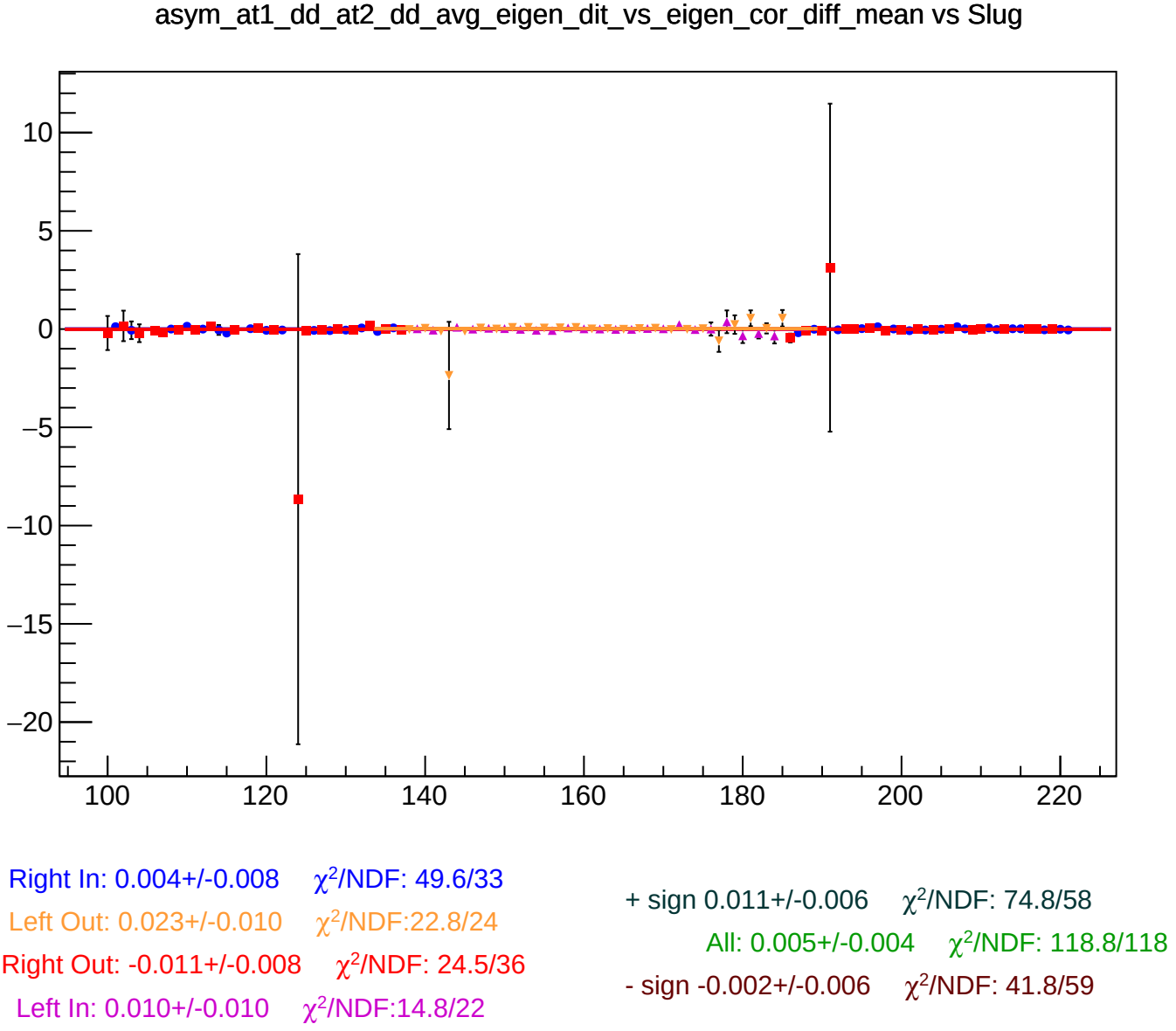
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

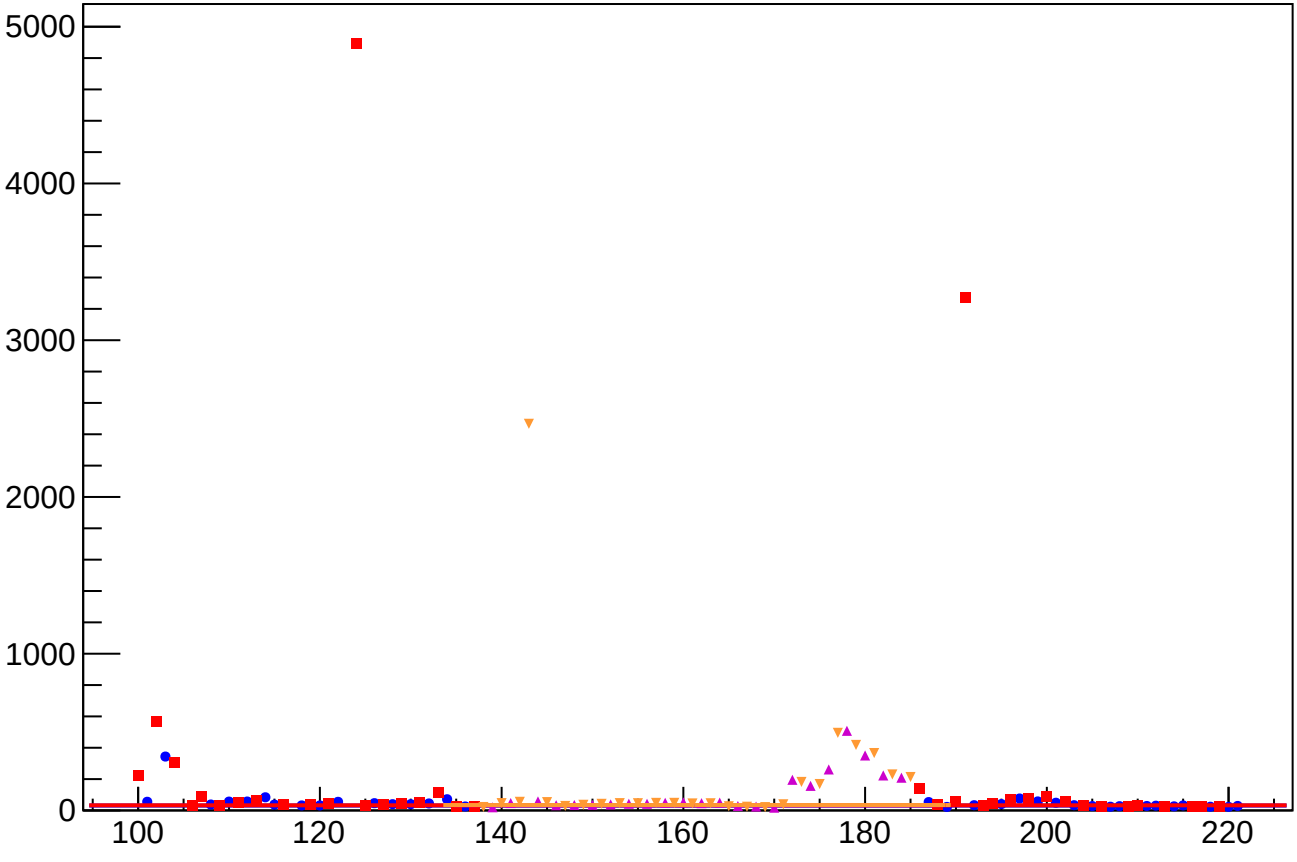
+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59


asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
220
Right In: 0.004+/-0.008 χ²/NDF: 49.6/33
Left Out: 0.023+/-0.010 χ²/NDF:22.8/24
Right Out: -0.011+/-0.008 χ²/NDF: 24.5/36
Left In: 0.010+/-0.010 χ²/NDF:14.8/22
+ sign 0.011+/-0.006 χ²/NDF: 74.8/58
All: 0.005+/-0.004 χ²/NDF: 118.8/118
- sign -0.002+/-0.006 χ²/NDF: 41.8/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.175+/-0.005 χ^2/NDF: 4178761.7/33

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

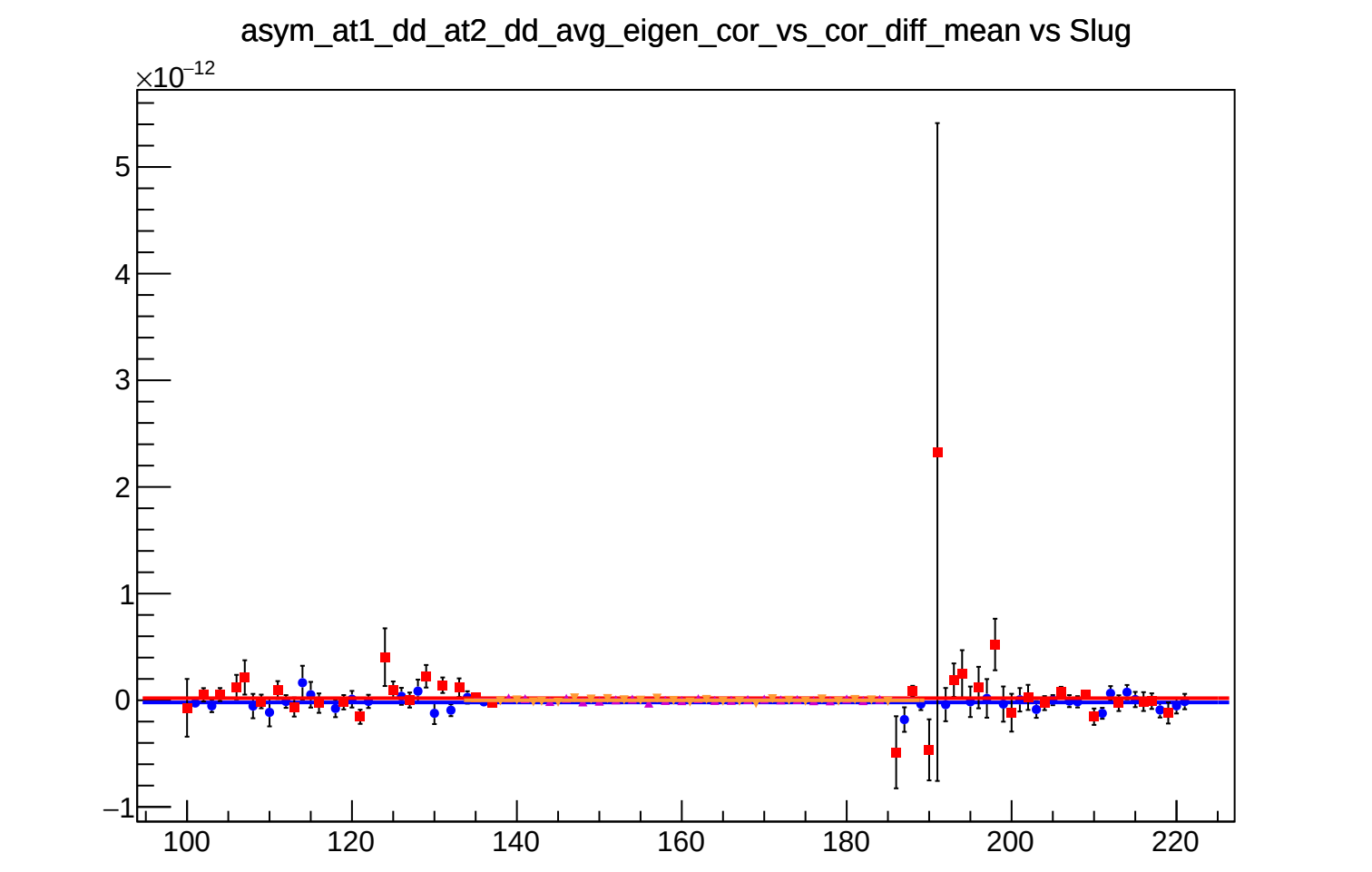
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.434+/-0.004 χ^2/NDF: 15726195.2/58

All: 32.783+/-0.003 χ^2/NDF: 32674749.4/118

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

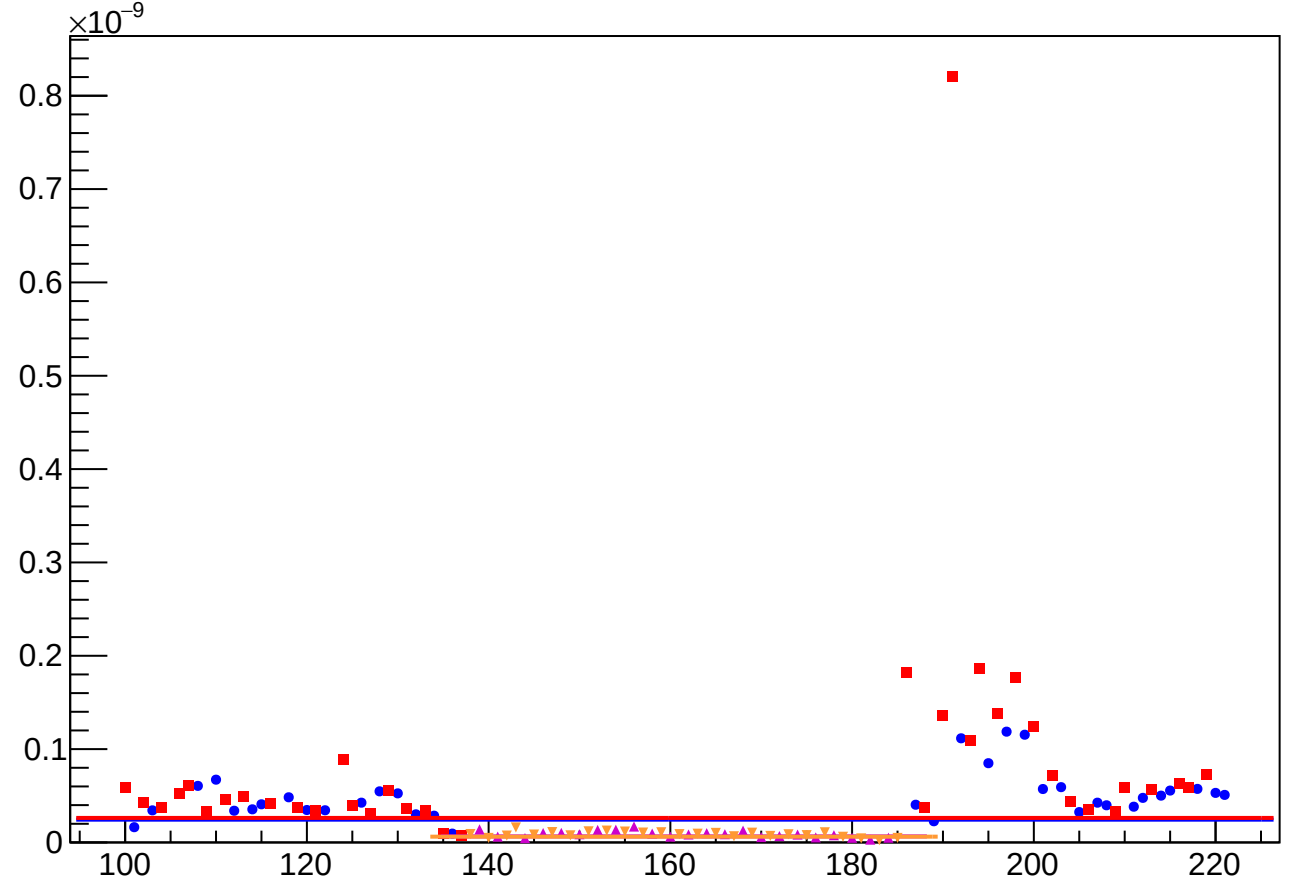
Right Out: 0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

\+ sign -0.000+/-0.000 χ^2/NDF: 51.7/58

All: 0.000+/-0.000 χ^2/NDF: 129.8/118

\- sign 0.000+/-0.000 χ^2/NDF: 75.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 9608803.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

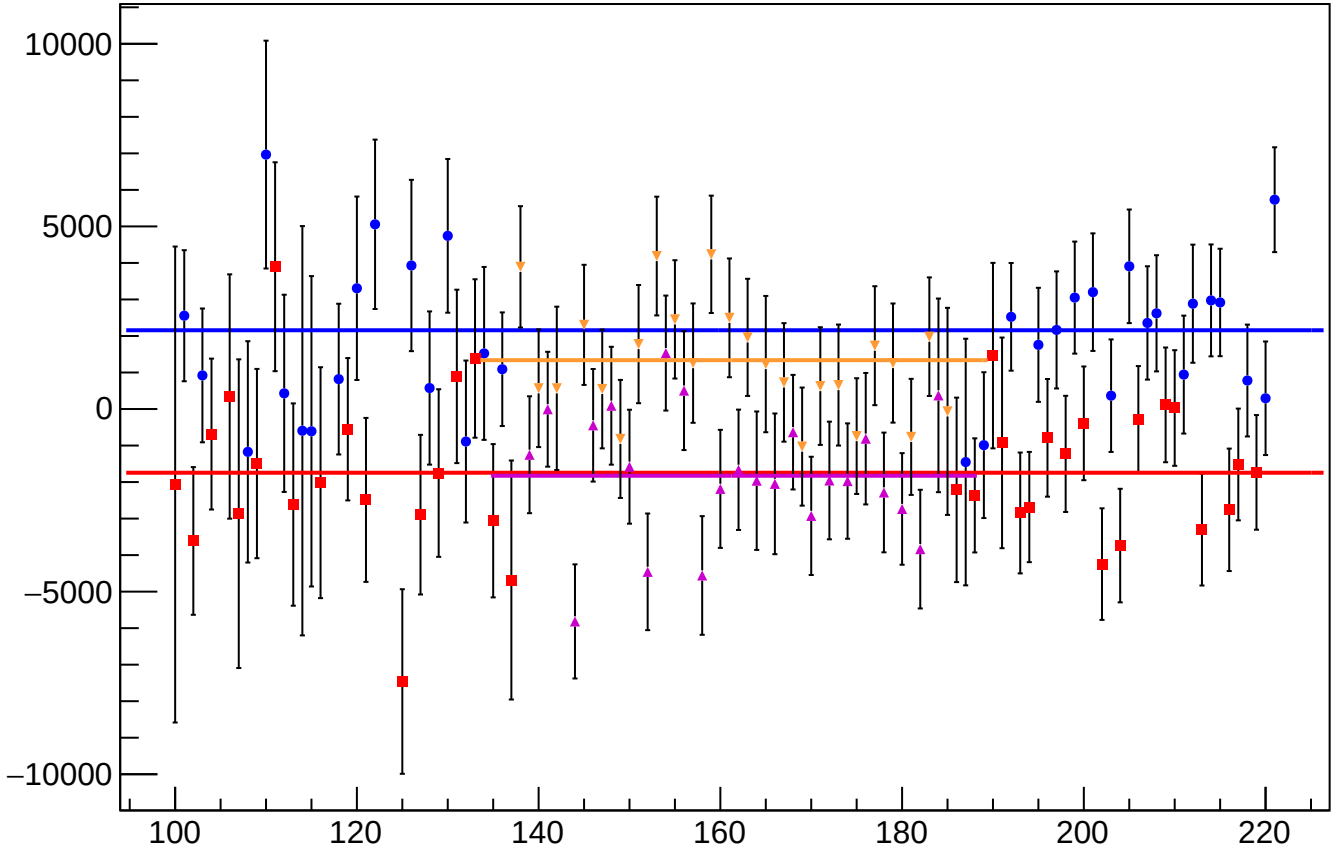
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 23302638.8/58

All: 0.000+/-0.000 χ^2/NDF: 47167845.9/118

- sign 0.000+/-0.000 χ^2/NDF: 23850212.2/59

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2156.753+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1744.470+/-325.278 χ^2/NDF: 29.3/35

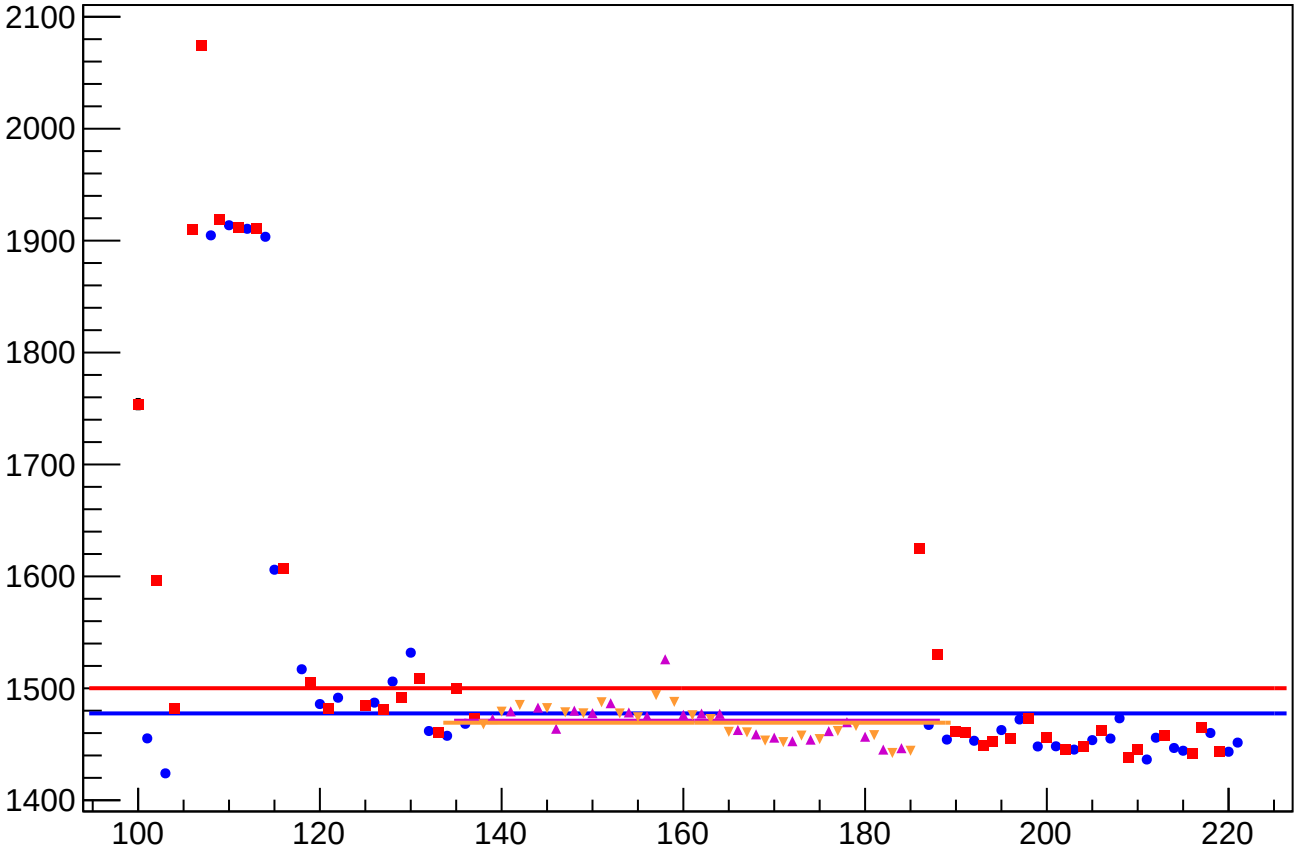
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1779.525+/-231.330 χ^2/NDF: 51.7/57

All: 35.067+/-165.263 χ^2/NDF: 223.7/116

- sign -1783.300+/-236.180 χ^2/NDF: 55.8/58

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1477.578+/-0.223 χ^2/NDF: 158191.2/33

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1500.095+/-0.230 χ^2/NDF: 249309.2/35

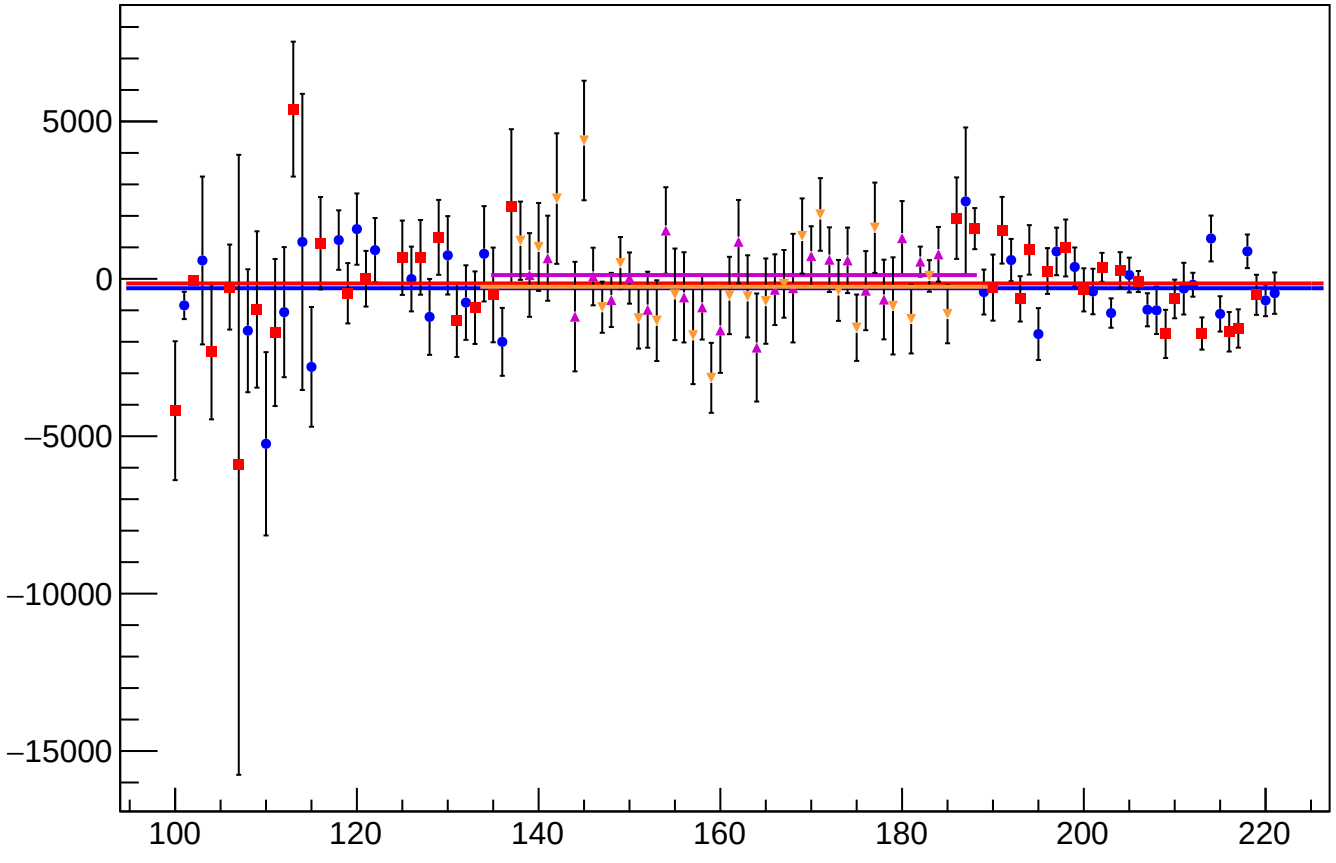
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1473.753+/-0.164 χ^2/NDF: 161987.9/57

All: 1479.928+/-0.117 χ^2/NDF: 426386.8/116

- sign 1486.364+/-0.167 χ^2/NDF: 261488.8/58

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -298.606+/-126.874 χ^2/NDF: 46.6/33

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -146.396+/-96.427 χ^2/NDF: 63.1/35

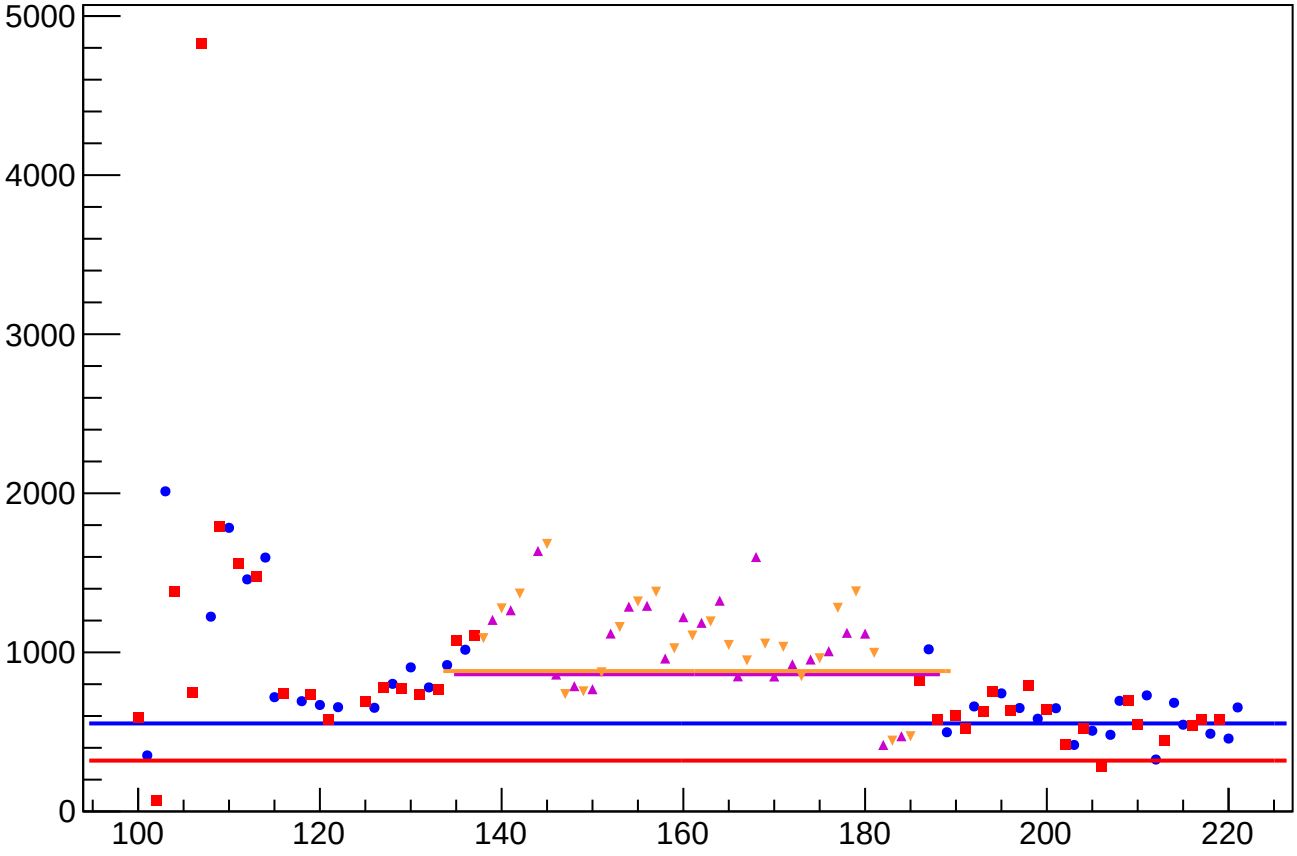
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -286.745+/-109.702 χ^2/NDF: 79.3/57

All: -174.476+/-68.667 χ^2/NDF: 158.2/116

- sign -102.153+/-88.049 χ^2/NDF: 77.2/58

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 553.286+/-0.090 χ^2/NDF: 4650768.6/33

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

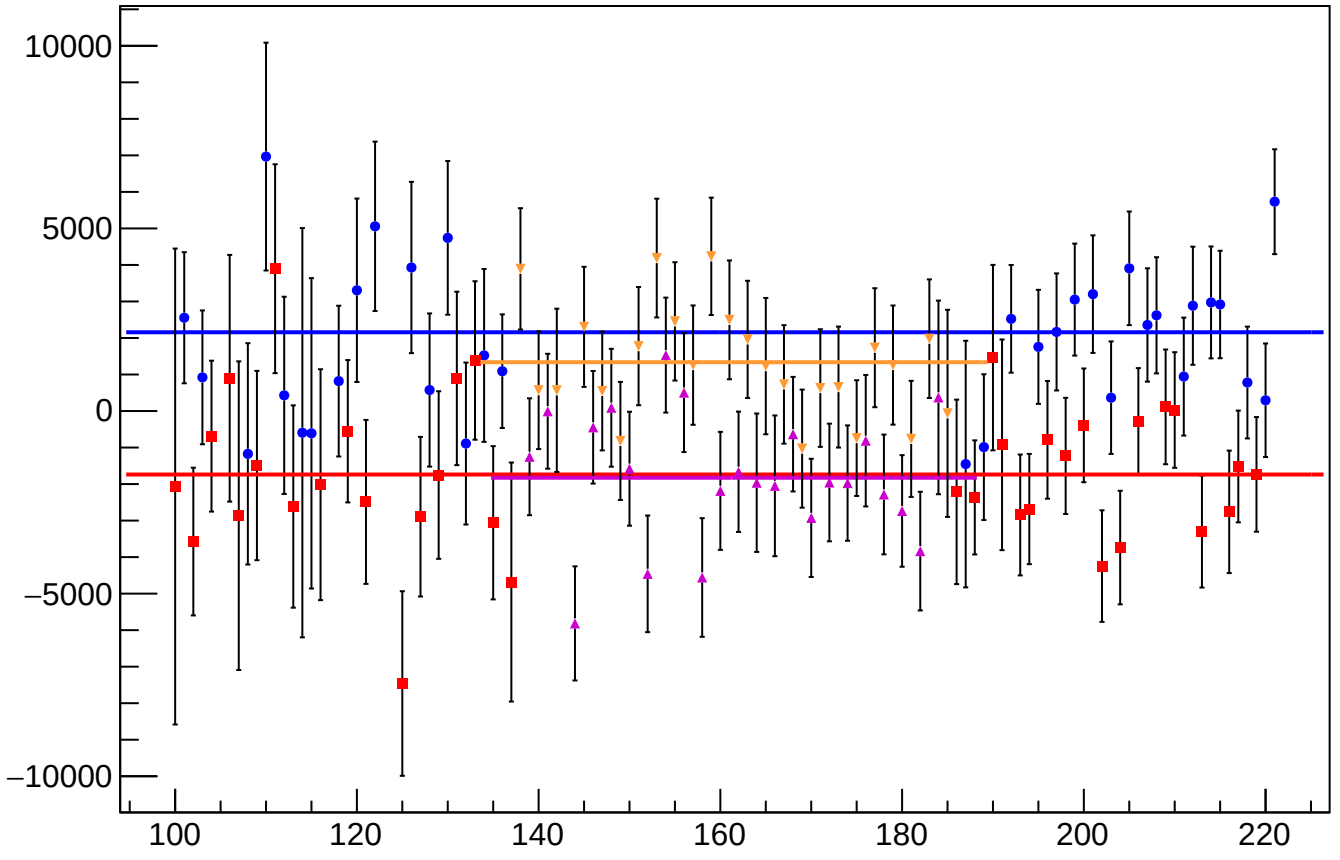
Right Out: 319.667+/-0.068 χ^2/NDF: 17699798.2/35

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 636.354+/-0.078 χ^2/NDF: 11949095.0/57

All: 498.598+/-0.049 χ^2/NDF: 49730293.9/11

- sign 409.855+/-0.062 χ^2/NDF: 32595878.5/58



Right In: 2156.808+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.698+/-325.309 χ^2/NDF: 29.5/35

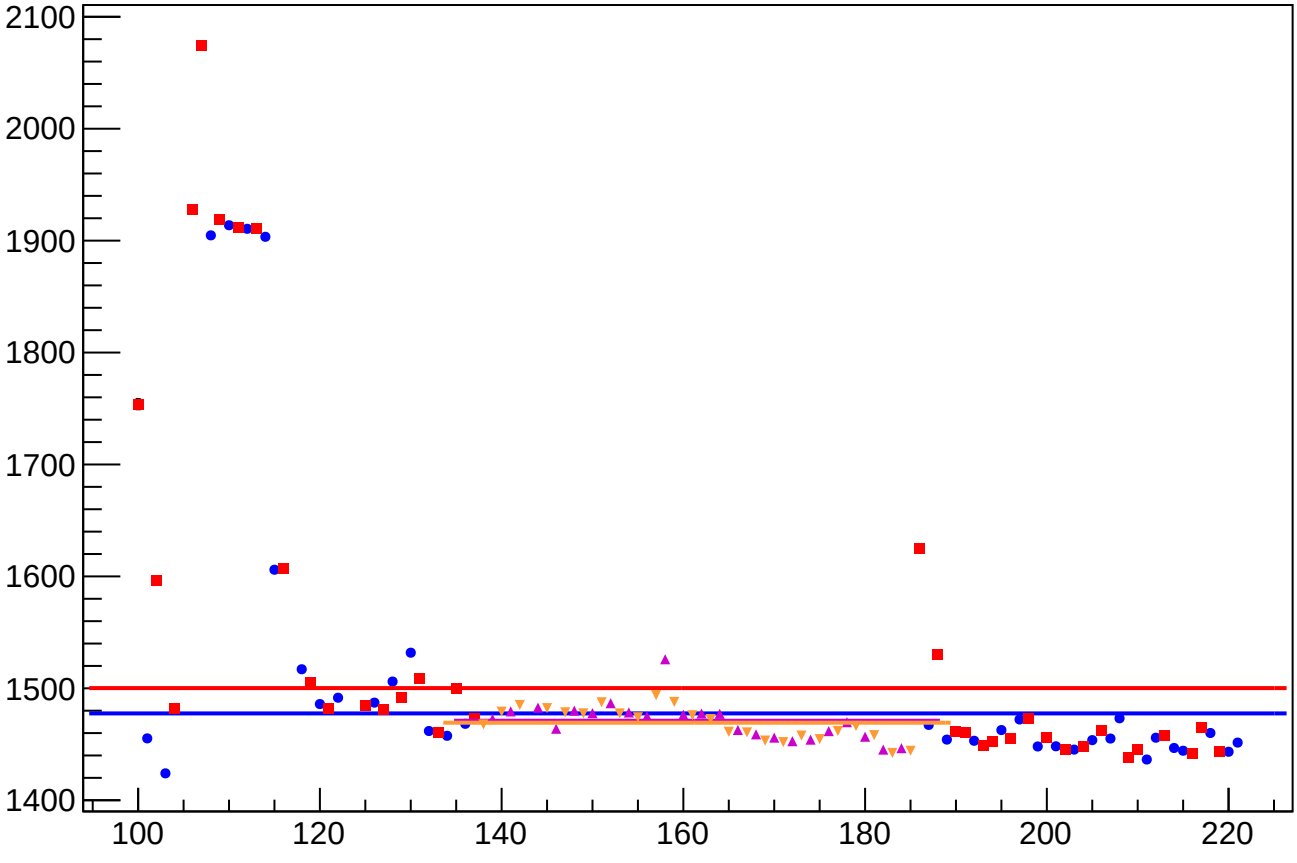
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1779.560+/-231.330 χ^2/NDF: 51.7/57

All: 36.650+/-165.267 χ^2/NDF: 223.7/116

- sign -1780.283+/-236.192 χ^2/NDF: 56.0/58

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1477.578+/-0.223 χ^2/NDF: 158191.2/33

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

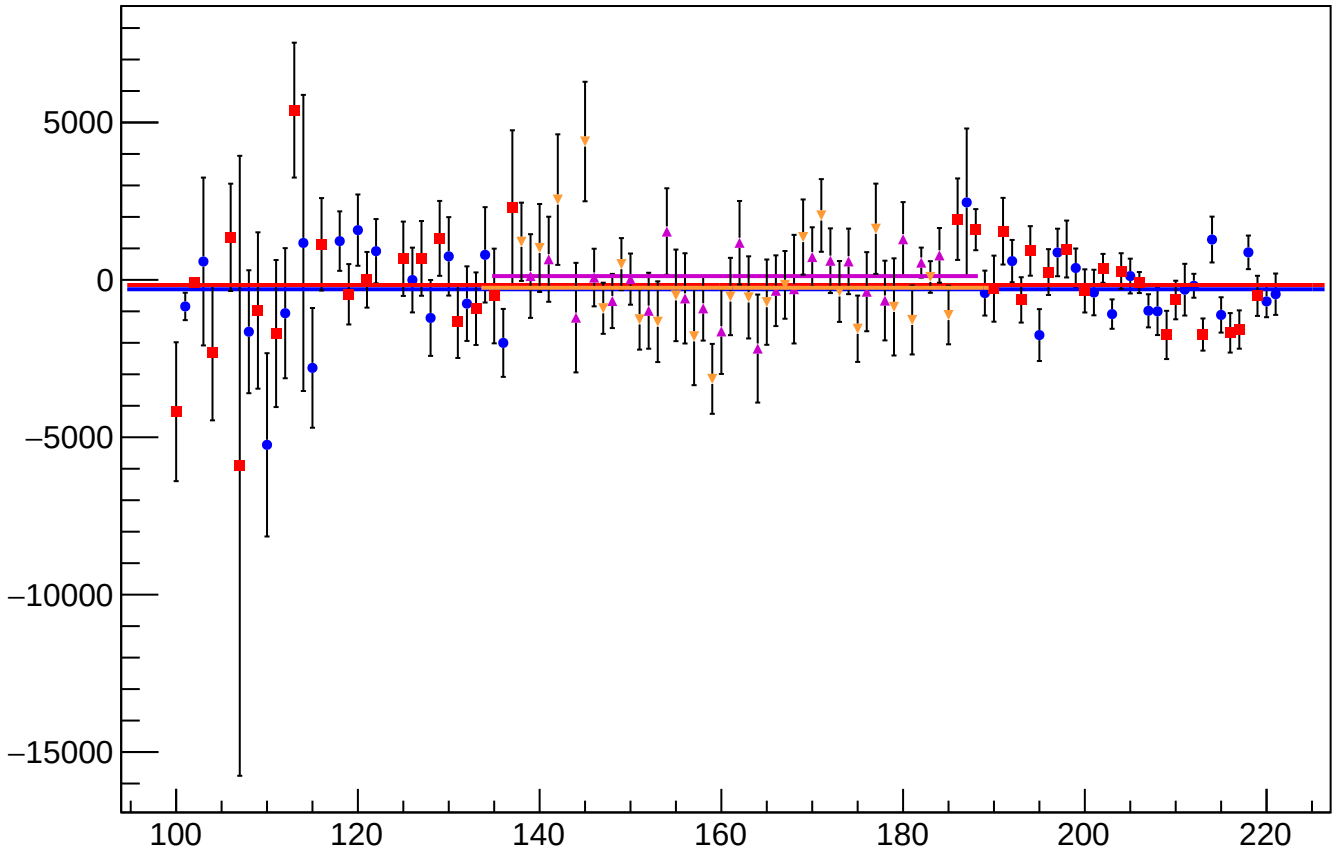
Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1473.754+/-0.164 χ^2/NDF: 161987.9/57

All: 1479.953+/-0.117 χ^2/NDF: 428601.4/116

- sign 1486.416+/-0.167 χ^2/NDF: 263679.7/58



Right In: -298.638+/-126.872 χ^2/NDF: 46.6/33

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -163.108+/-100.692 χ^2/NDF: 63.6/35

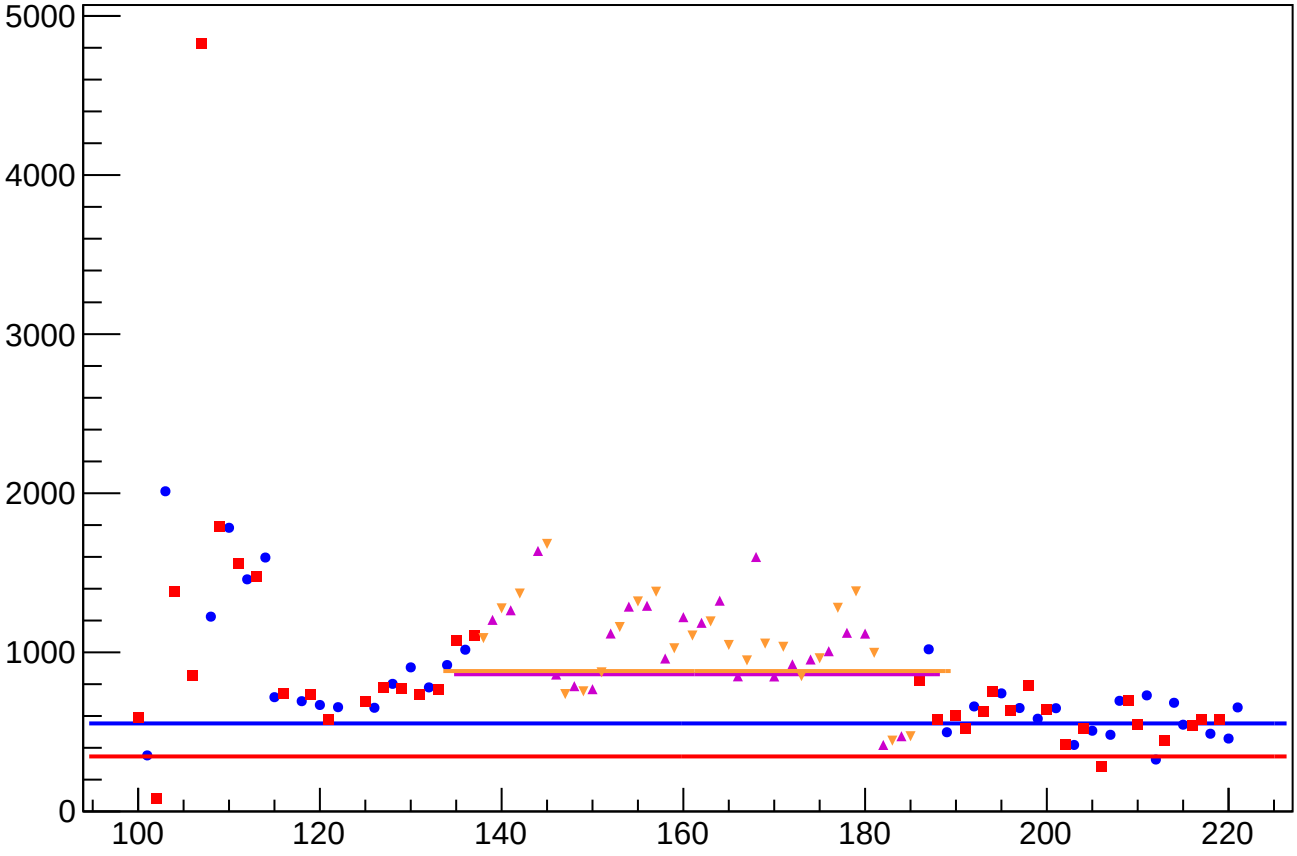
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -286.764+/-109.701 χ^2/NDF: 79.3/57

All: -183.826+/-70.158 χ^2/NDF: 158.6/116

- sign -112.586+/-91.261 χ^2/NDF: 77.8/58

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 553.272+/-0.090 χ^2/NDF: 4651272.0/33

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

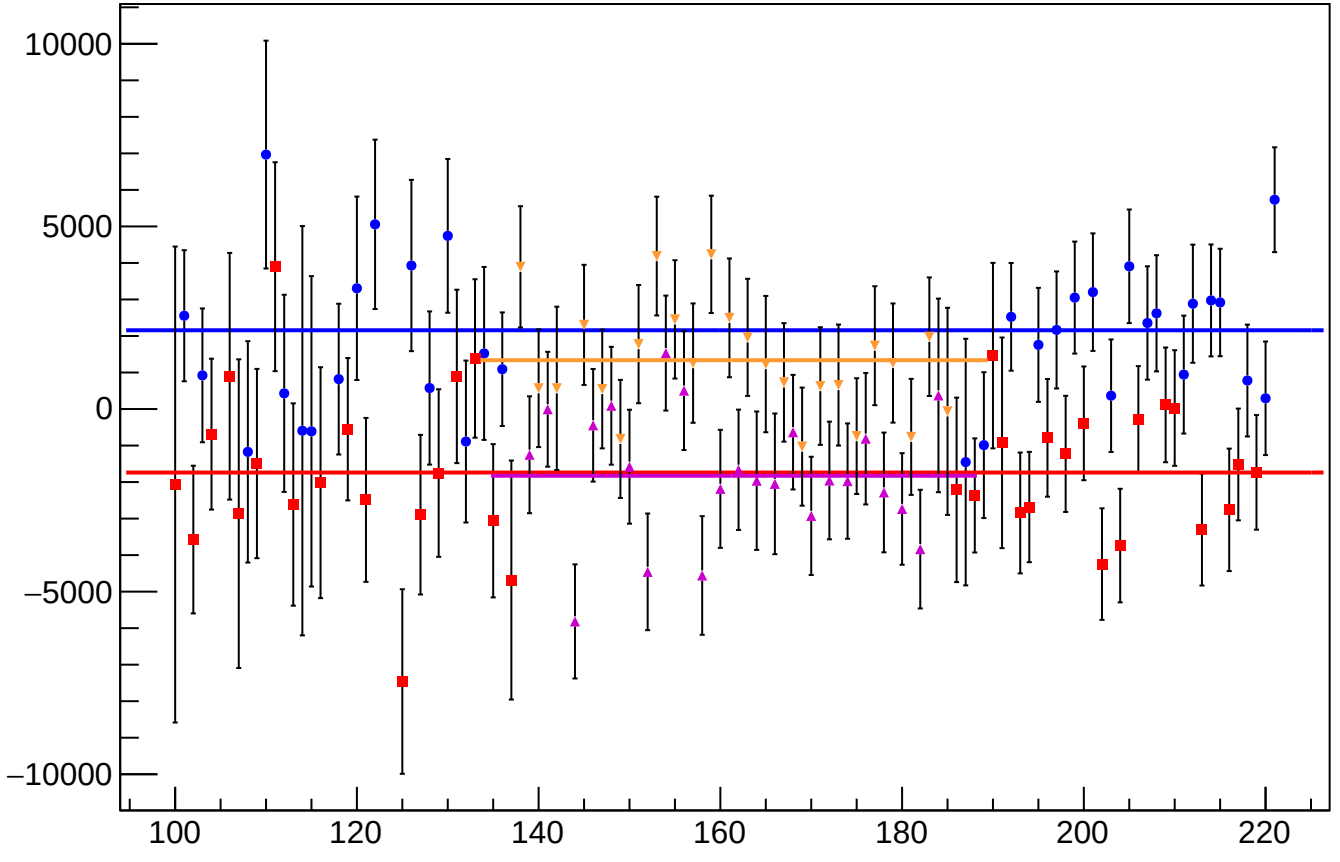
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 636.340+/-0.078 χ^2/NDF: 11950072.7/57

All: 519.110+/-0.050 χ^2/NDF: 45618297.3/11

- sign 437.979+/-0.065 χ^2/NDF: 29803623.3/58

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2156.808+/-314.853 χ^2/NDF: 29.4/33

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.698+/-325.309 χ^2/NDF: 29.5/35

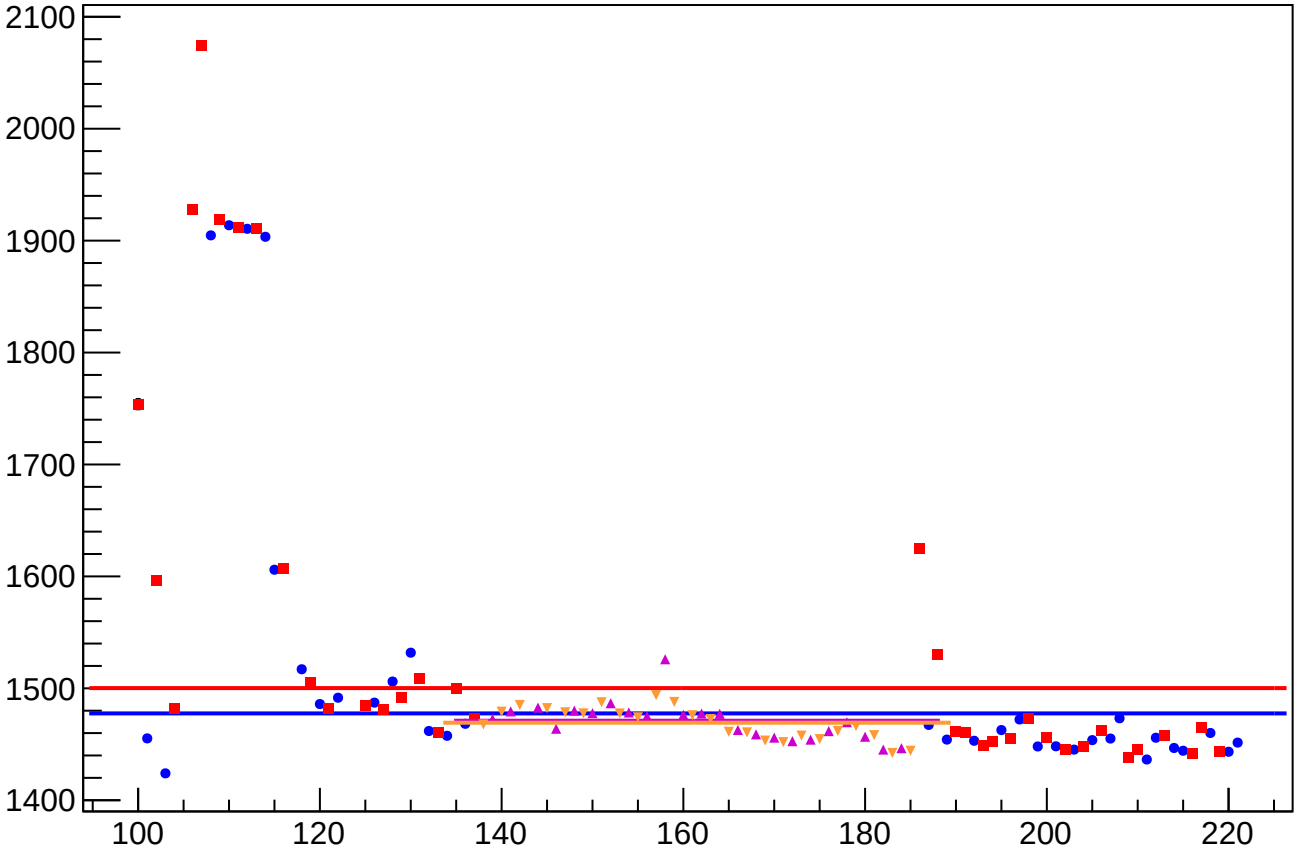
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1779.560+/-231.330 χ^2/NDF: 51.7/57

All: 36.650+/-165.267 χ^2/NDF: 223.7/116

- sign -1780.283+/-236.192 χ^2/NDF: 56.0/58

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1477.578+/-0.223 χ^2/NDF: 158191.2/33

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

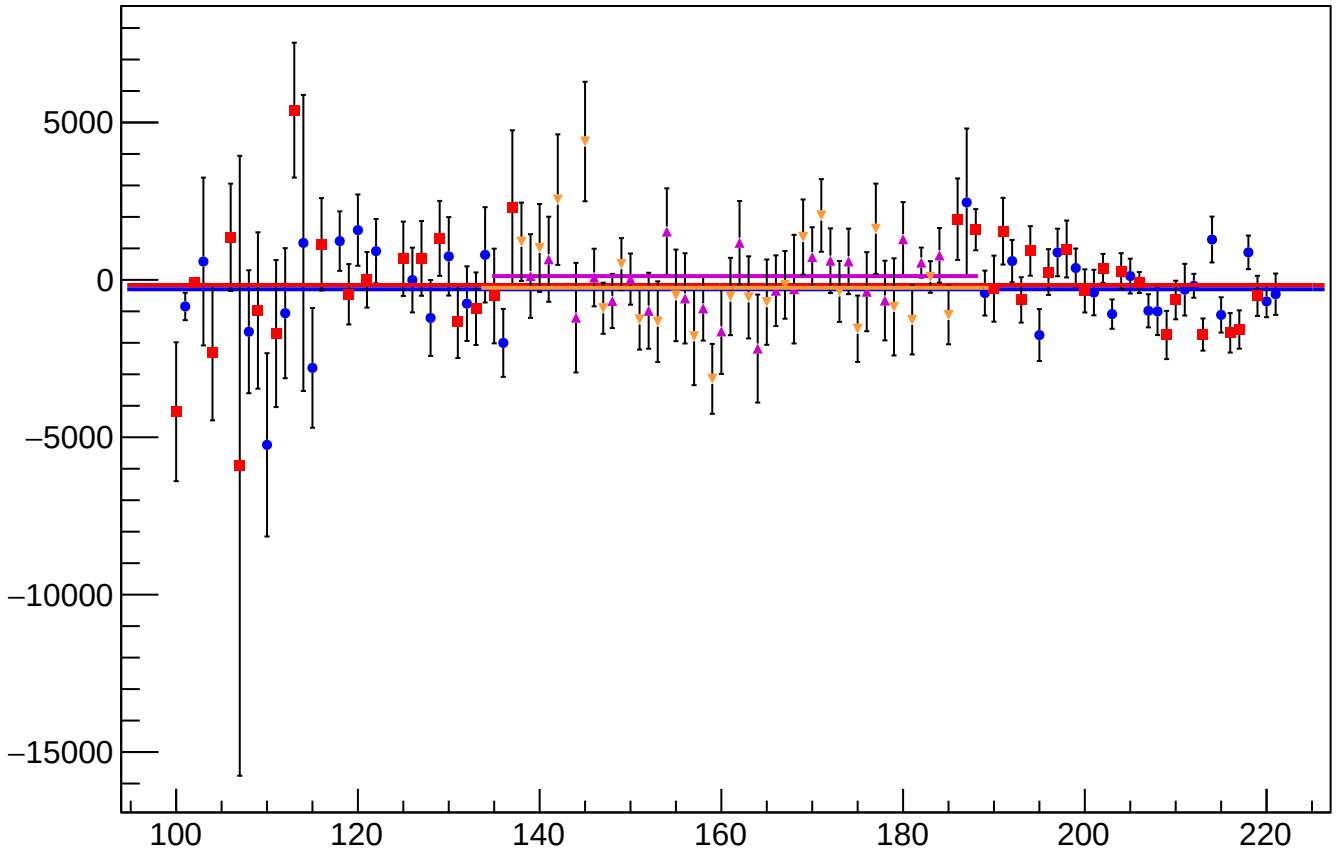
Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1473.754+/-0.164 χ^2/NDF: 161987.9/57

All: 1479.953+/-0.117 χ^2/NDF: 428601.4/116

- sign 1486.416+/-0.167 χ^2/NDF: 263679.7/58



Right In: -298.638+/-126.872 χ^2/NDF: 46.6/33

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -163.108+/-100.692 χ^2/NDF: 63.6/35

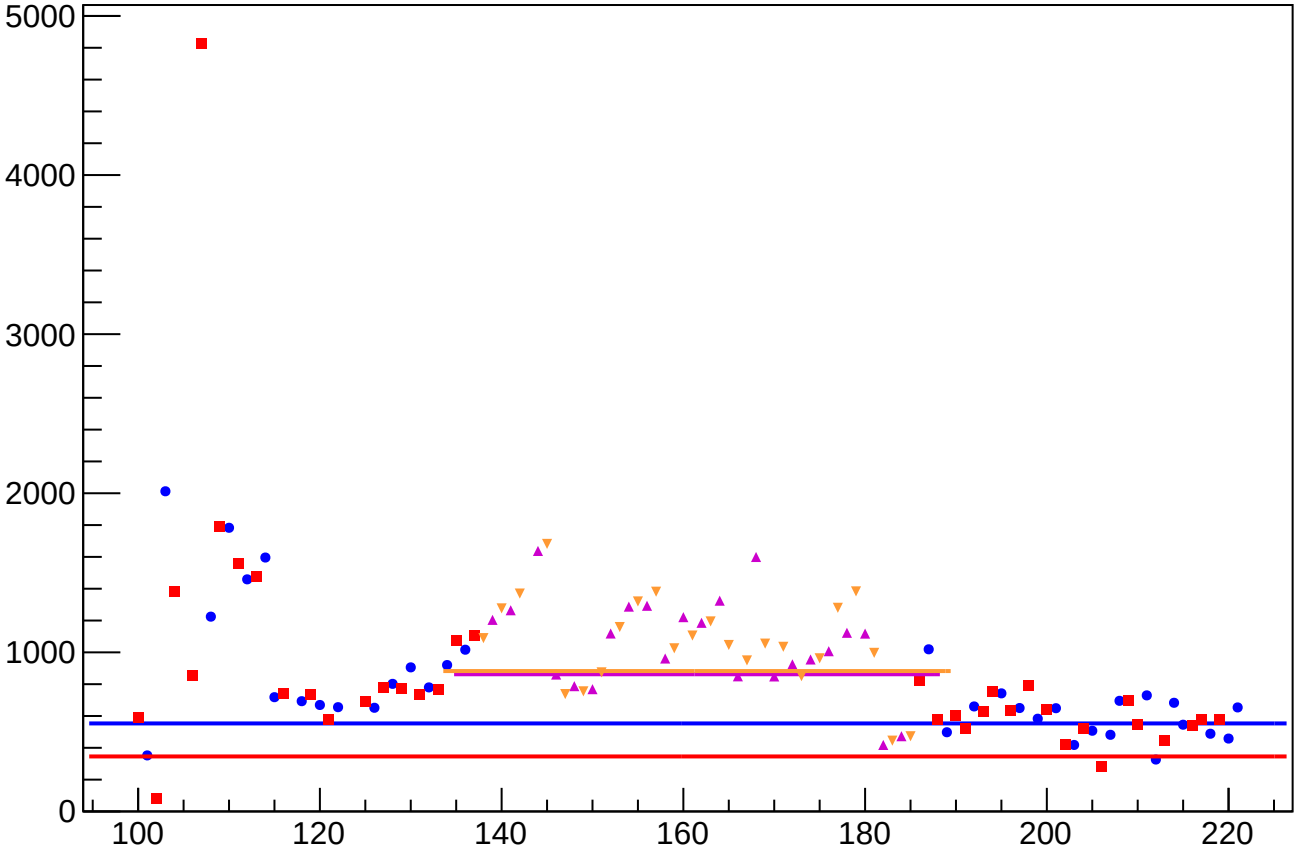
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -286.764+/-109.701 χ^2/NDF: 79.3/57

All: -183.826+/-70.158 χ^2/NDF: 158.6/116

\- sign -112.586+/-91.261 χ^2/NDF: 77.8/58

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 553.272+/-0.090 χ^2/NDF: 4651272.0/33

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

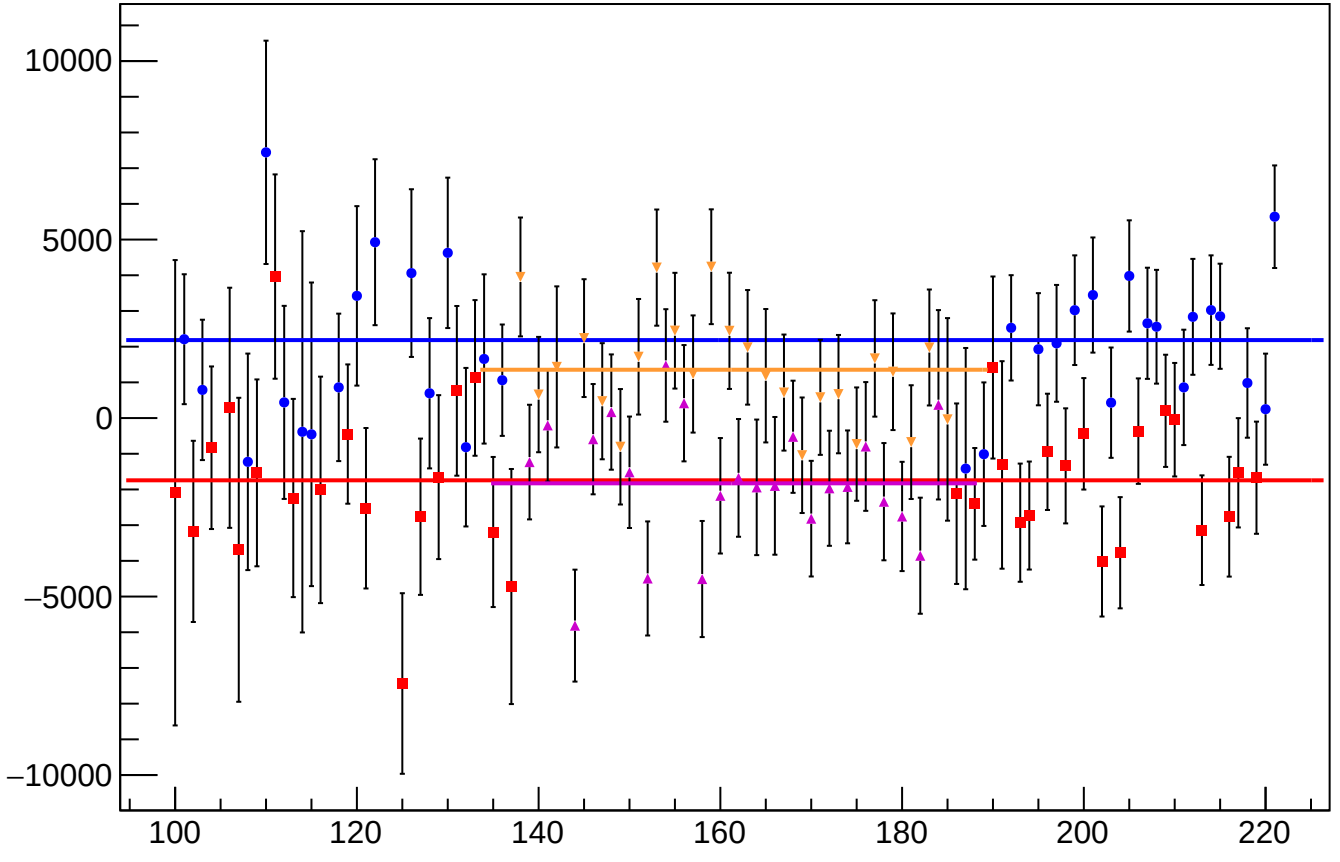
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 636.340+/-0.078 χ^2/NDF: 11950072.7/57

All: 519.110+/-0.050 χ^2/NDF: 45618297.3/11

- sign 437.979+/-0.065 χ^2/NDF: 29803623.3/58

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2184.147+/-316.443 χ^2/NDF: 29.2/33

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.877+/-328.841 χ^2/NDF: 27.4/35

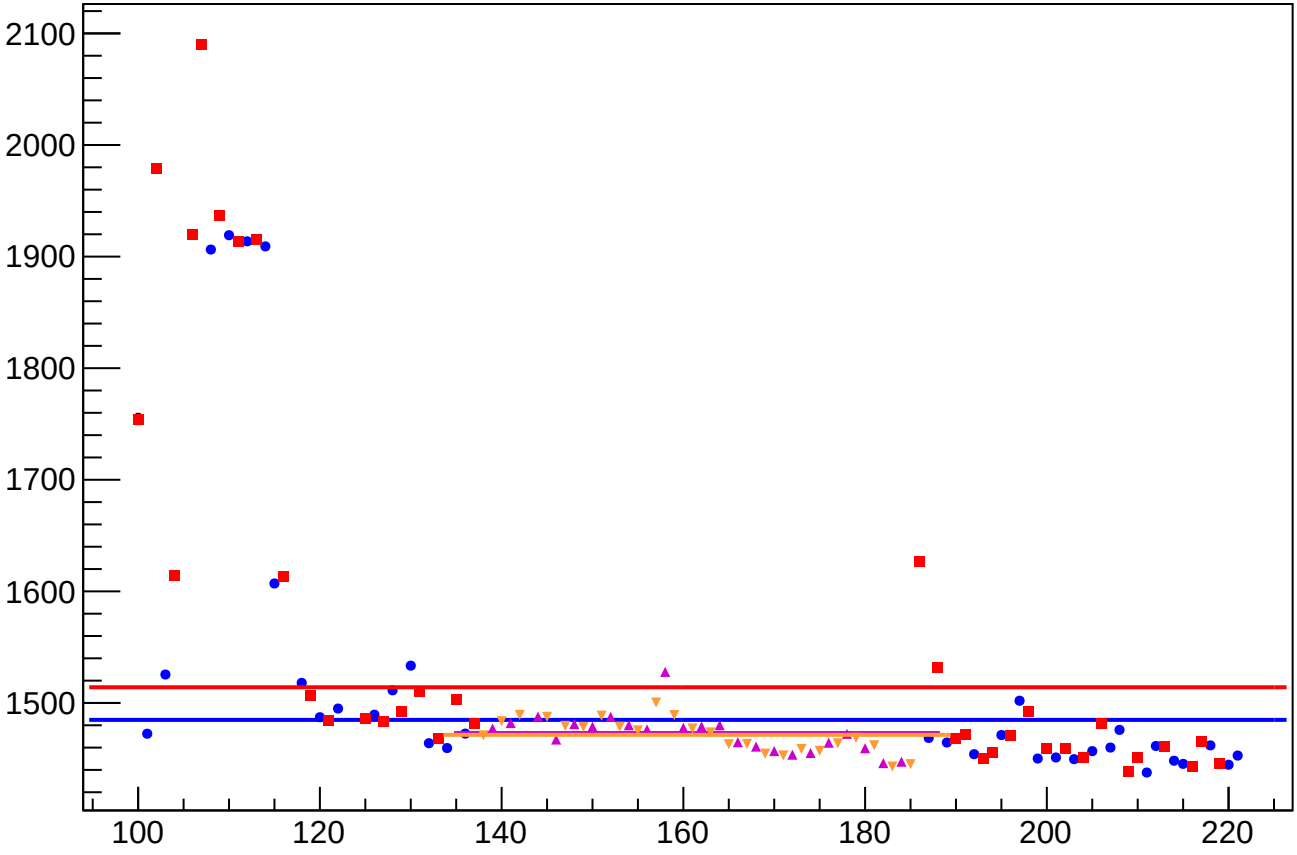
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1800.582+/-232.134 χ^2/NDF: 51.3/57

All: 50.580+/-166.073 χ^2/NDF: 221.0/116

- sign -1784.169+/-237.688 χ^2/NDF: 53.2/58

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1484.838+/-0.224 χ^2/NDF: 157046.9/33

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF: 318549.2/35

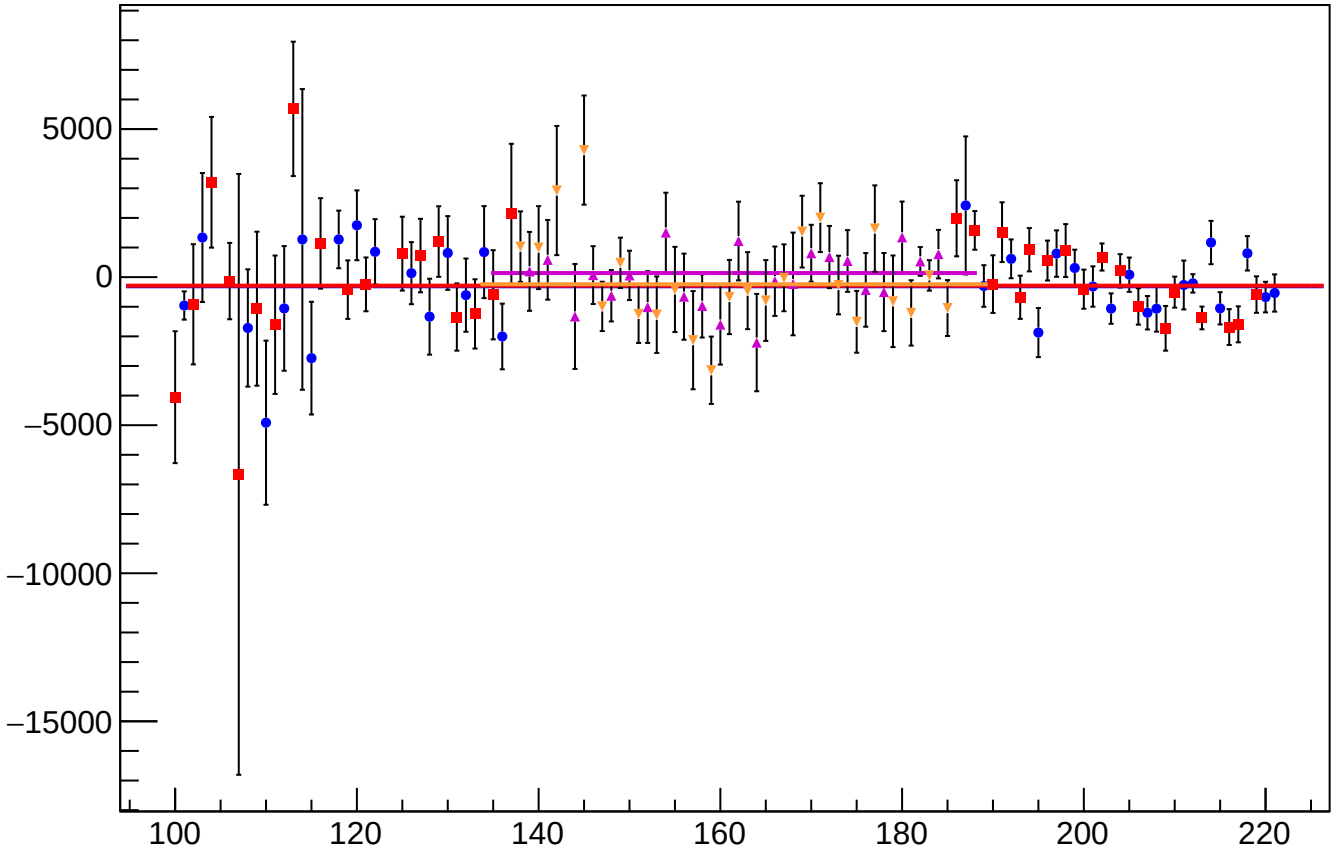
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1478.648+/-0.164 χ^2/NDF: 162140.5/57

All: 1486.376+/-0.117 χ^2/NDF: 504842.2/116

- sign 1494.479+/-0.168 χ^2/NDF: 338161.1/58

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -308.796+/-126.568 χ^2/NDF: 45.3/33

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -287.938+/-136.237 χ^2/NDF: 69.3/35

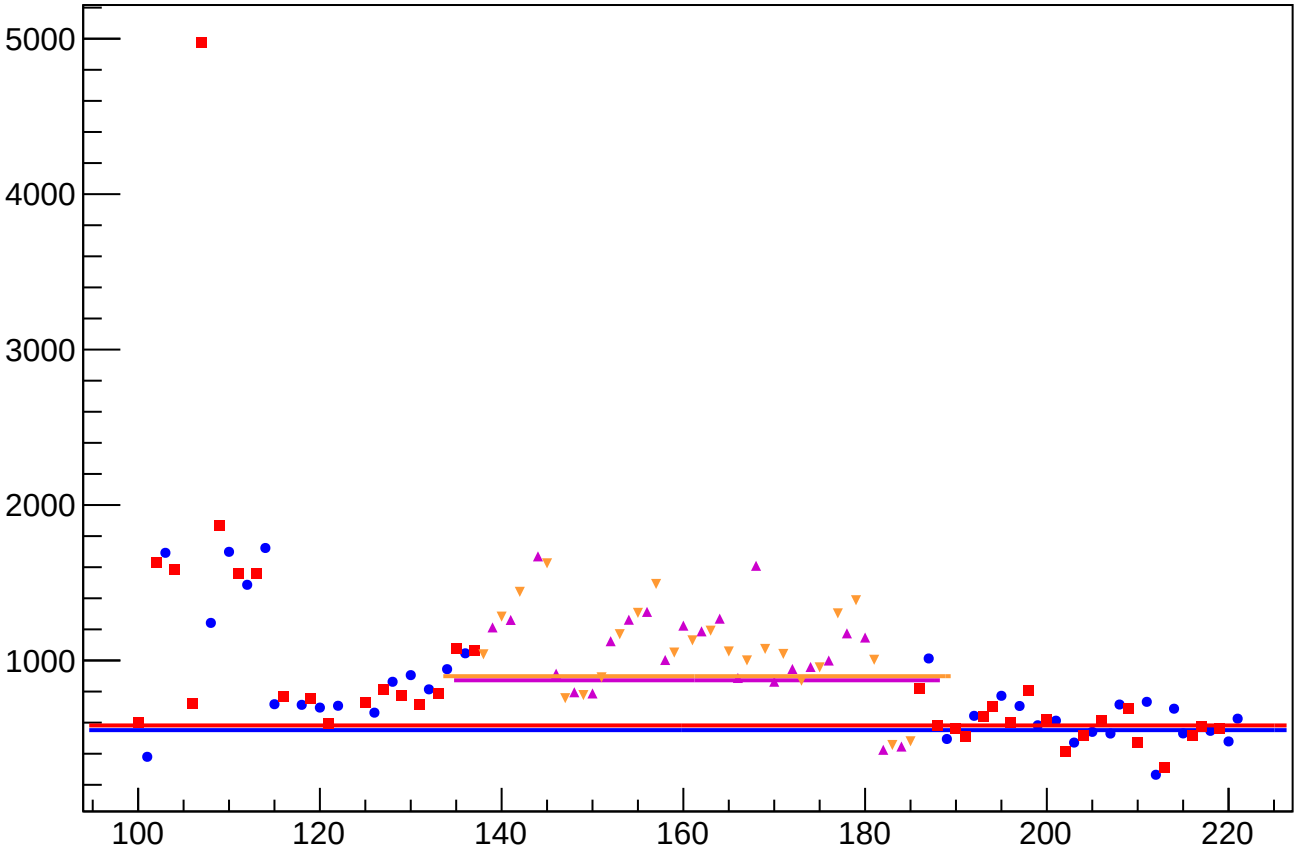
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -291.961+/-109.928 χ^2/NDF: 77.8/57

All: -233.367+/-79.661 χ^2/NDF: 163.4/116

- sign -168.568+/-115.603 χ^2/NDF: 85.0/58

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 551.742+/-0.089 χ^2/NDF: 5412662.2/33

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876419.8/35

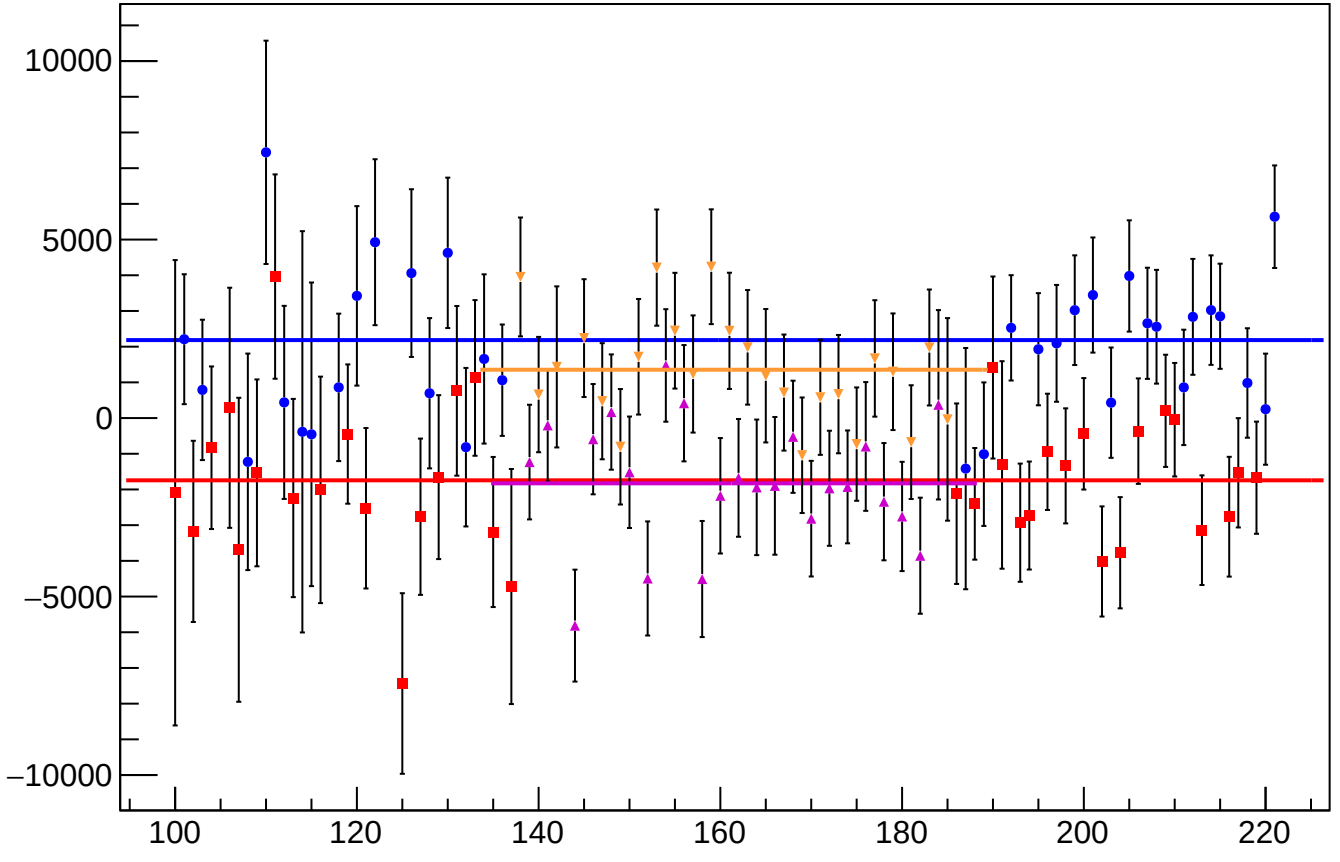
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 637.014+/-0.078 χ^2/NDF: 12899464.6/57

All: 649.520+/-0.056 χ^2/NDF: 24810789.5/11

- sign 663.350+/-0.082 χ^2/NDF: 11856813.6/58

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2184.146+/-316.443 χ^2/NDF: 29.2/33

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.877+/-328.841 χ^2/NDF: 27.4/35

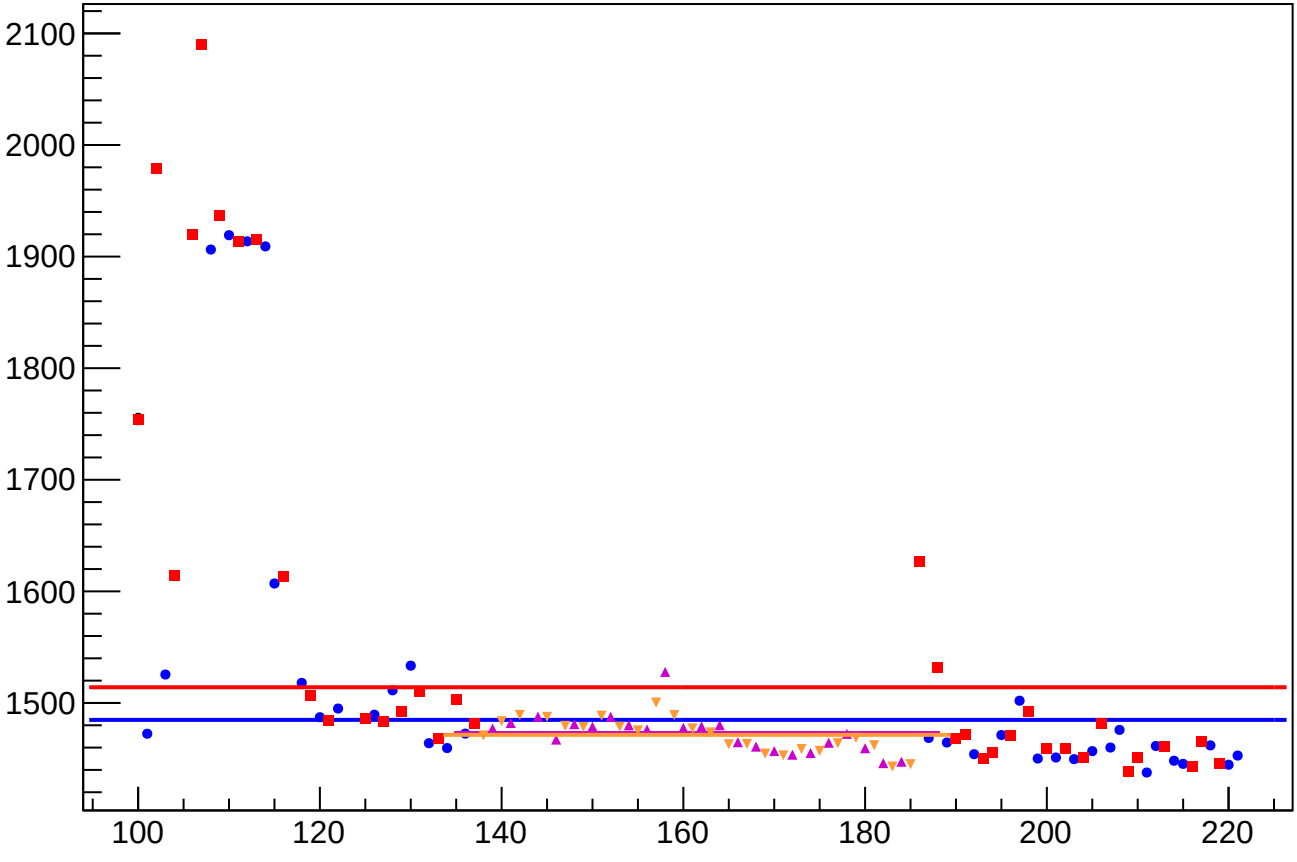
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1800.581+/-232.134 χ^2/NDF: 51.3/57

All: 50.579+/-166.073 χ^2/NDF: 221.0/116

- sign -1784.169+/-237.688 χ^2/NDF: 53.2/58

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1484.838+/-0.224 χ^2/NDF: 157046.8/33

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

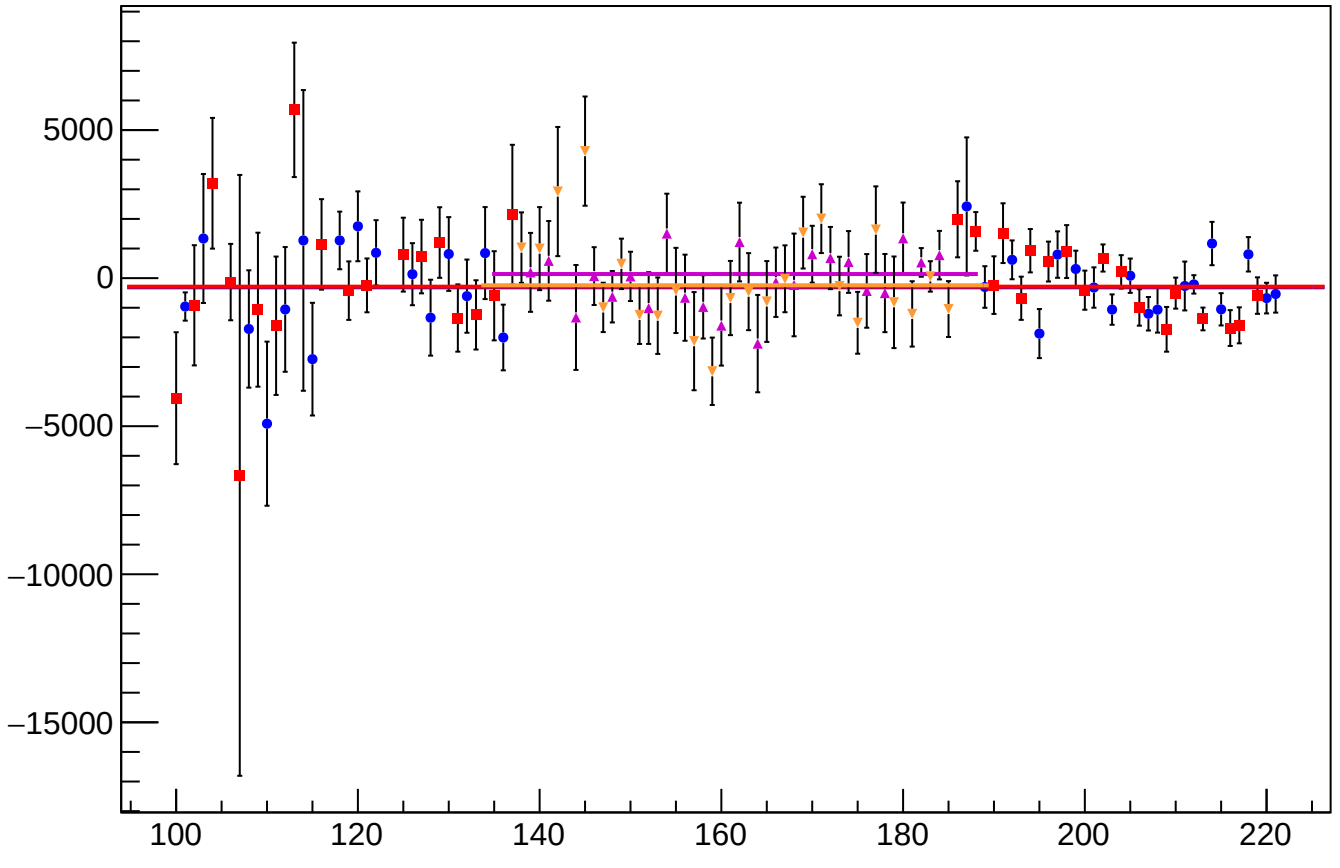
Right Out: 1514.067+/-0.233 χ^2/NDF: 318548.7/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1478.648+/-0.164 χ^2/NDF: 162140.4/57

All: 1486.376+/-0.117 χ^2/NDF: 504841.5/116

- sign 1494.479+/-0.168 χ^2/NDF: 338160.5/58



Right In: -308.796+/-126.568 χ^2/NDF: 45.3/33

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -287.938+/-136.237 χ^2/NDF: 69.3/35

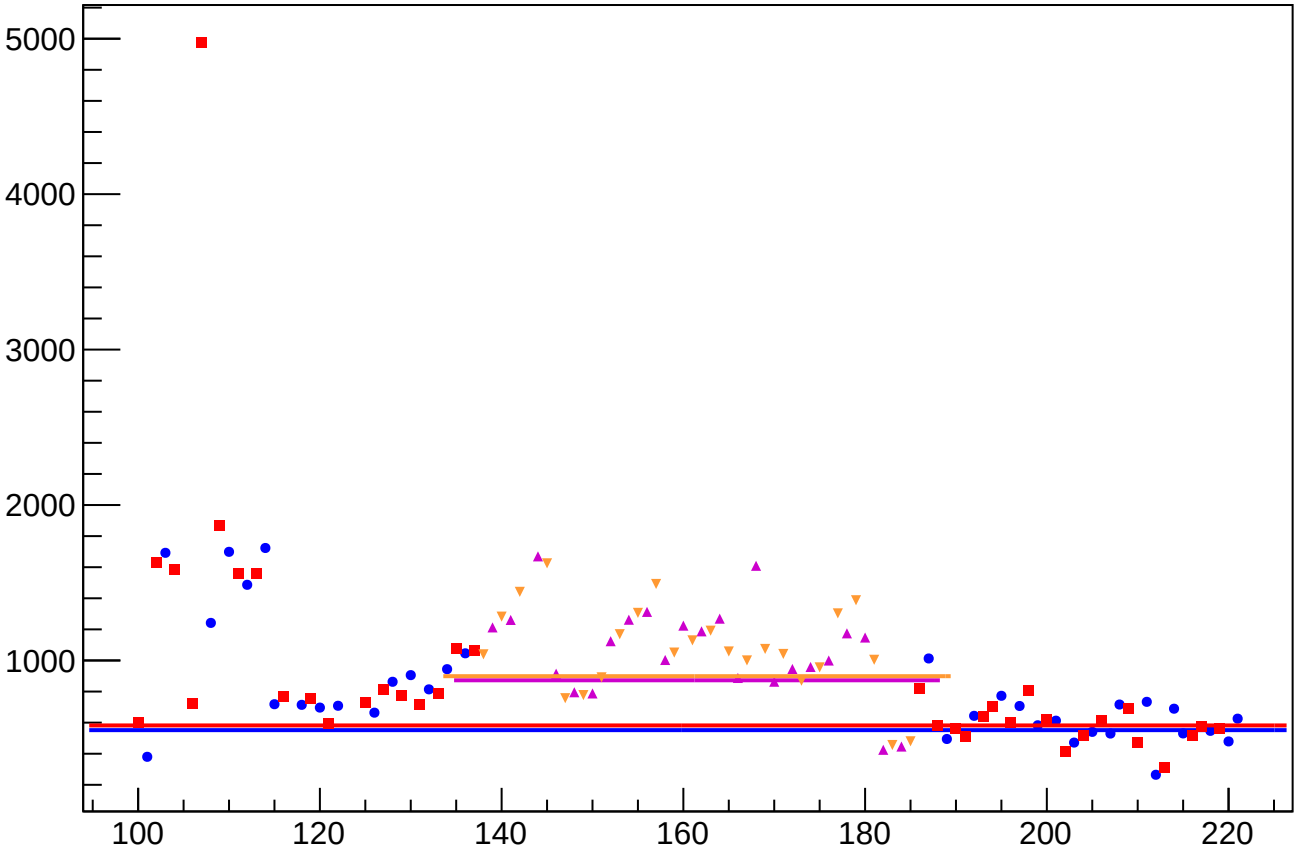
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -291.962+/-109.928 χ^2/NDF: 77.8/57

All: -233.368+/-79.661 χ^2/NDF: 163.4/116

- sign -168.568+/-115.603 χ^2/NDF: 85.0/58

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 551.743+/-0.089 χ^2/NDF: 5412658.5/33

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876416.9/35

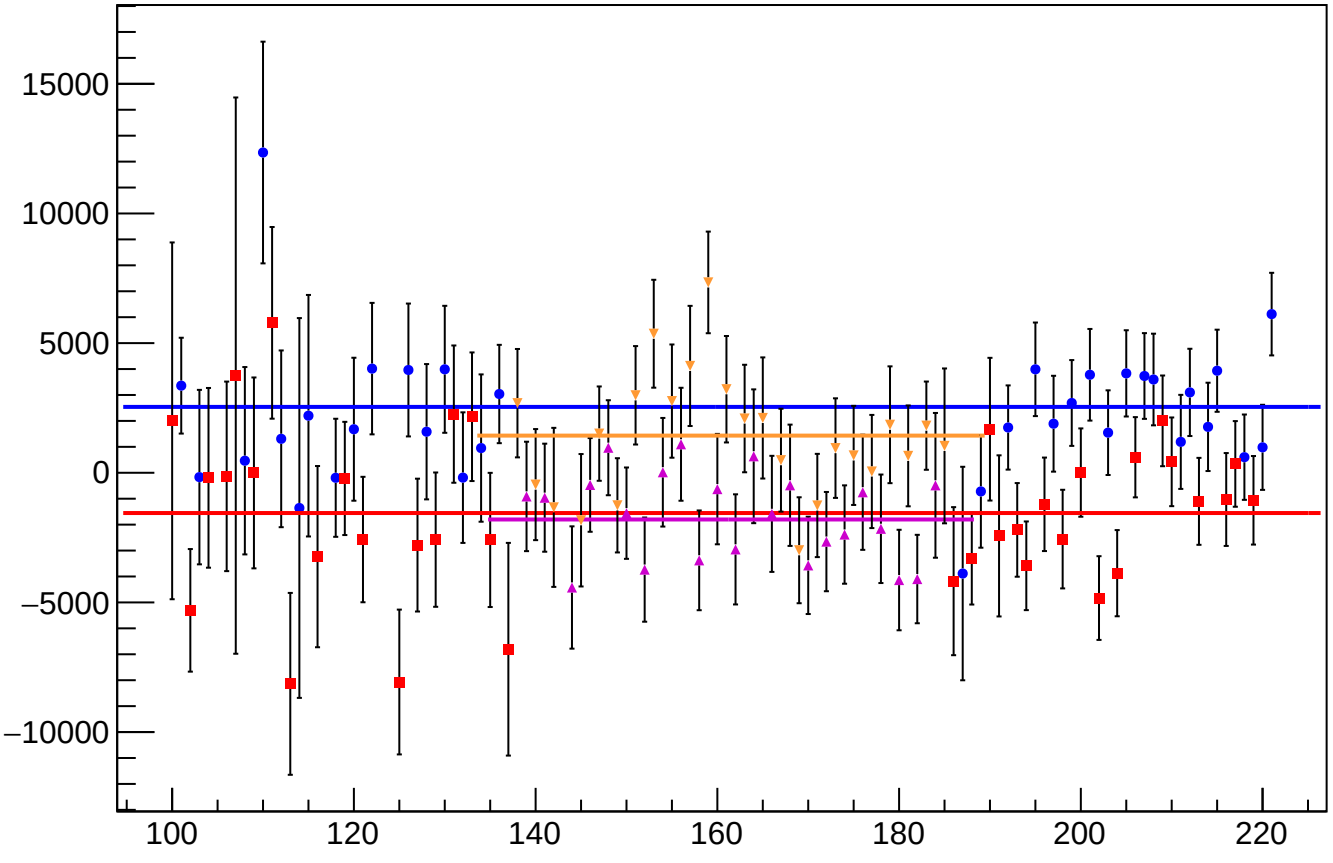
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 637.014+/-0.078 χ^2/NDF: 12899477.3/57

All: 649.520+/-0.056 χ^2/NDF: 24810812.7/11

- sign 663.351+/-0.082 χ^2/NDF: 11856823.5/58

asym_usl_atl1_avg_mean vs Slug



Right In: 2540.250+/-352.156 χ^2/NDF: 28.1/33

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1552.662+/-365.991 χ^2/NDF: 44.7/35

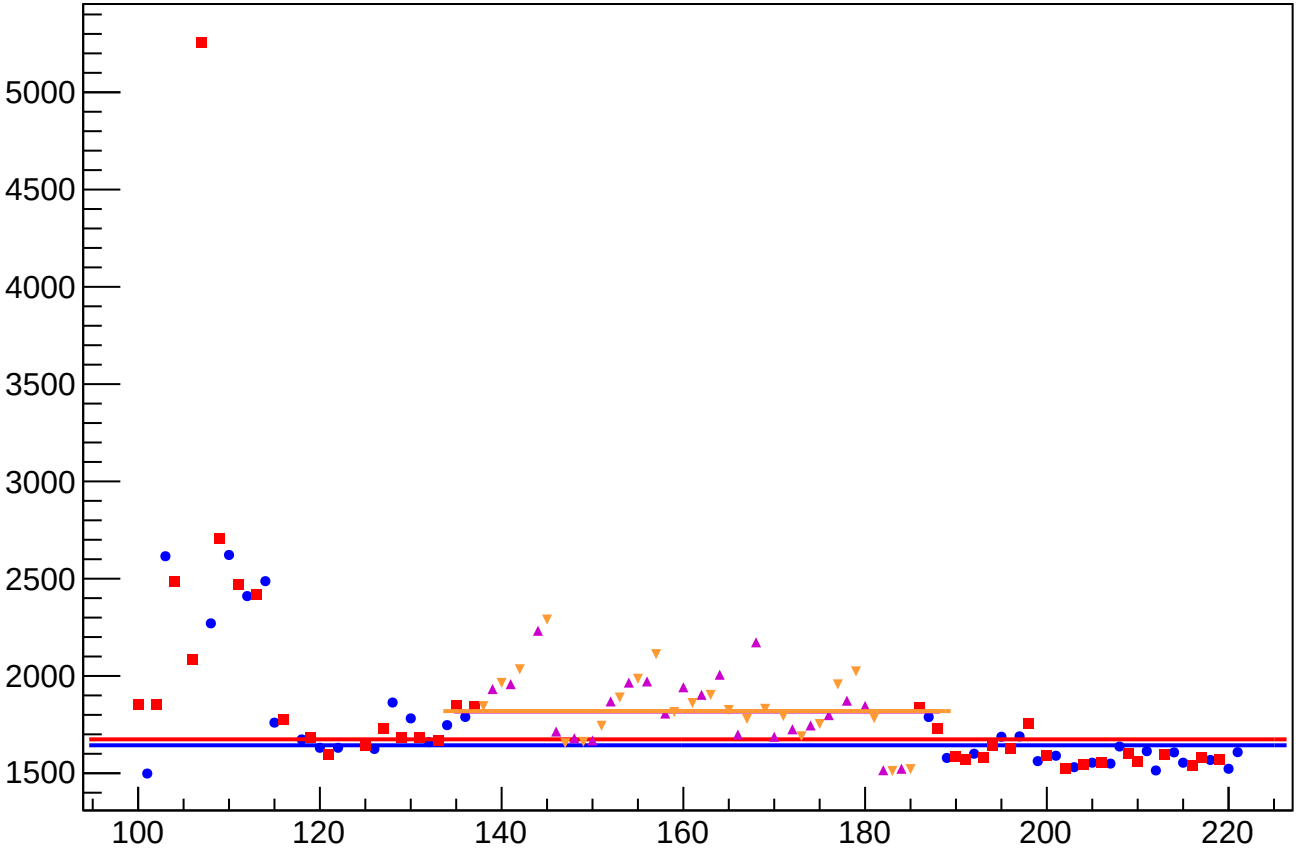
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 2088.960+/-271.024 χ^2/NDF: 61.5/57

All: 261.231+/-193.974 χ^2/NDF: 215.0/116

- sign -1658.215+/-277.741 χ^2/NDF: 60.2/58

asym_usl_atl1_avg_rms vs Slug



Right In: 1643.668+/-0.249 χ^2/NDF: 581137.9/33

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

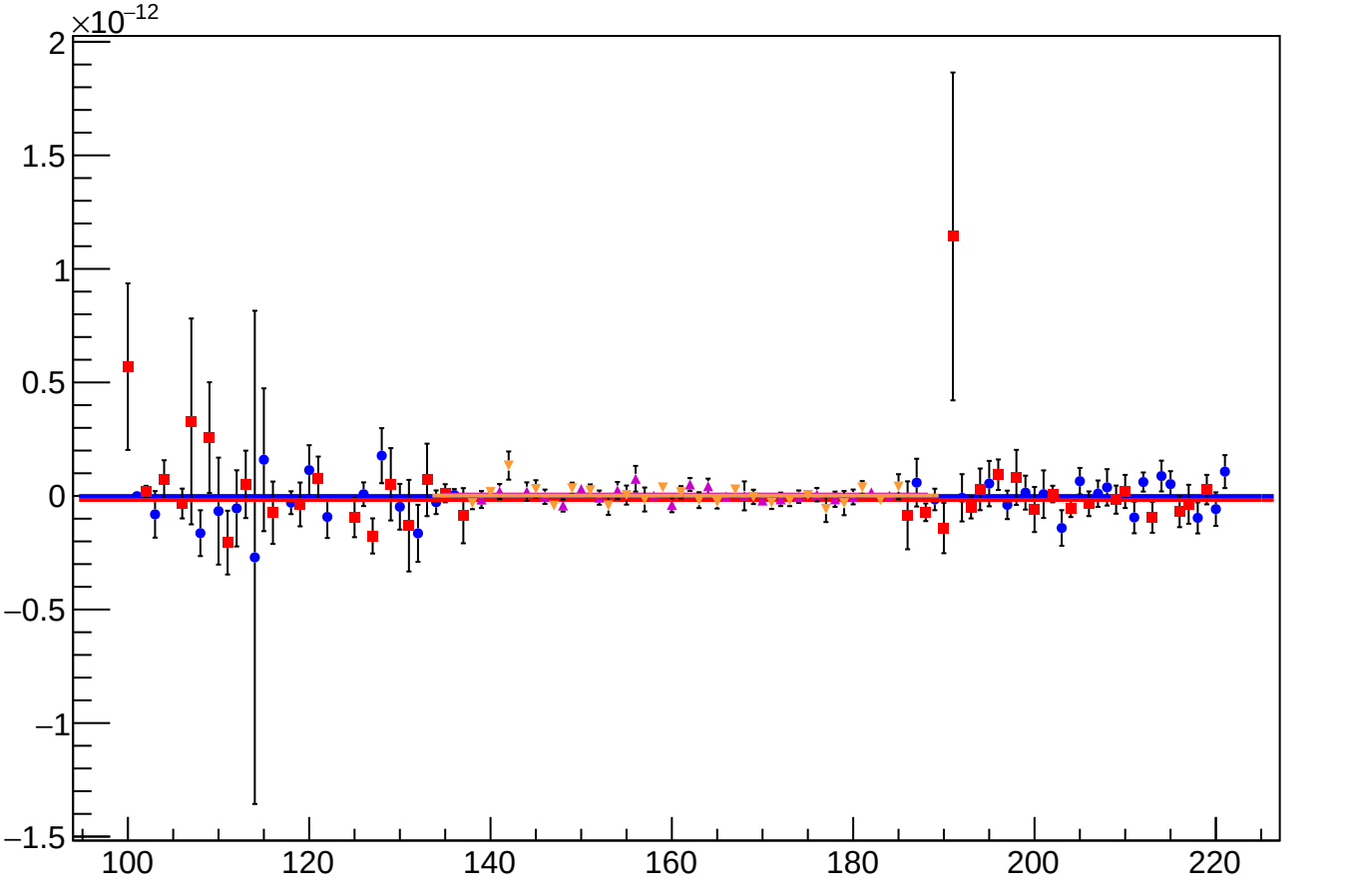
Right Out: 1674.236+/-0.259 χ^2/NDF: 839513.5/35

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1715.320+/-0.192 χ^2/NDF: 1079238.6/57

All: 1724.843+/-0.137 χ^2/NDF: 2360237.2/11

- sign 1734.844+/-0.196 χ^2/NDF: 1275936.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

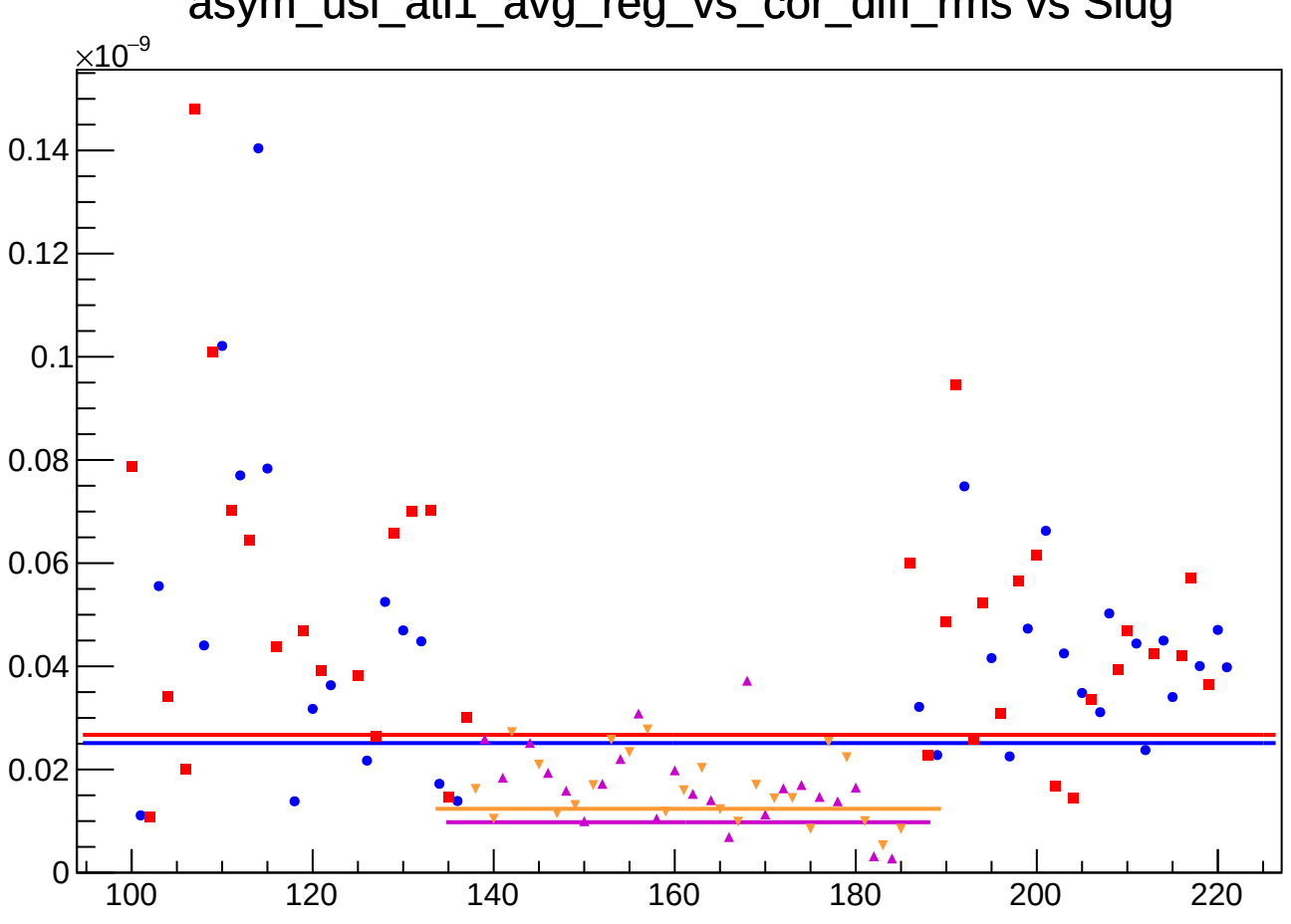
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/35

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/57

All: 0.000+/-0.000 χ^2/NDF: 111.0/116

- sign 0.000+/-0.000 χ^2/NDF: 53.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 4639066.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4136110.1/35

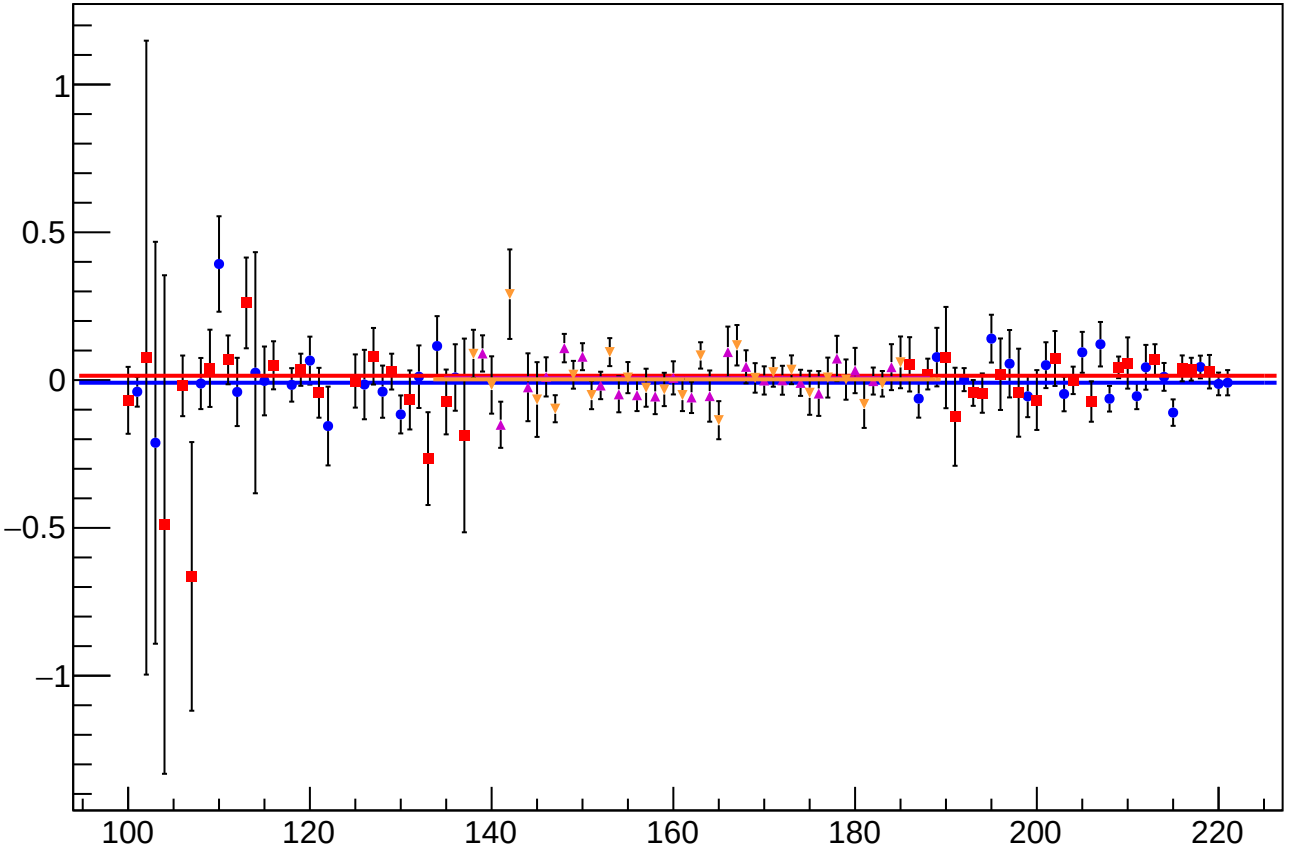
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9042073.5/57

All: 0.000+/-0.000 χ^2/NDF: 22071896.9/116

- sign 0.000+/-0.000 χ^2/NDF: 12635526.2/58

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

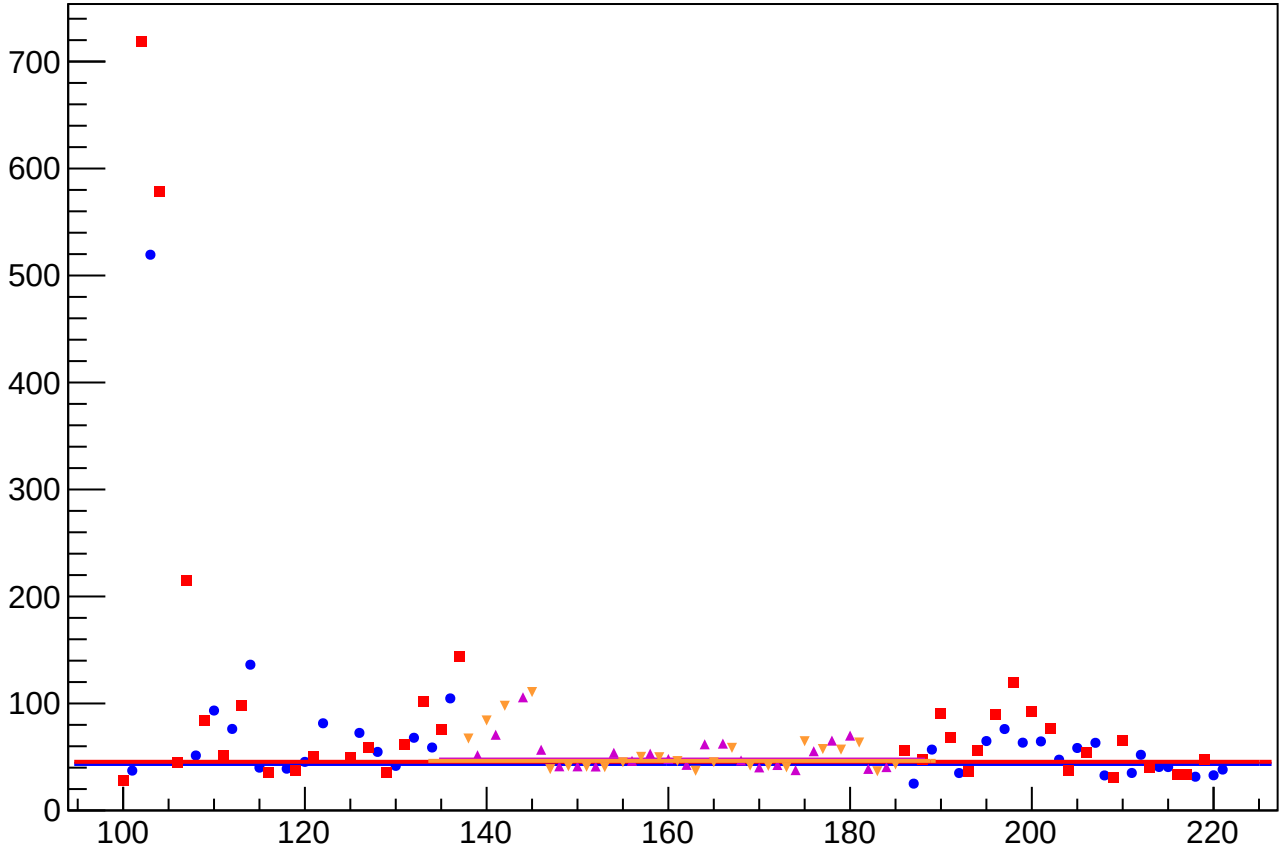
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.003+/-0.006 χ^2/NDF: 110.9/116

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.450+/-0.008 χ^2/NDF: 4324051.0/33

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

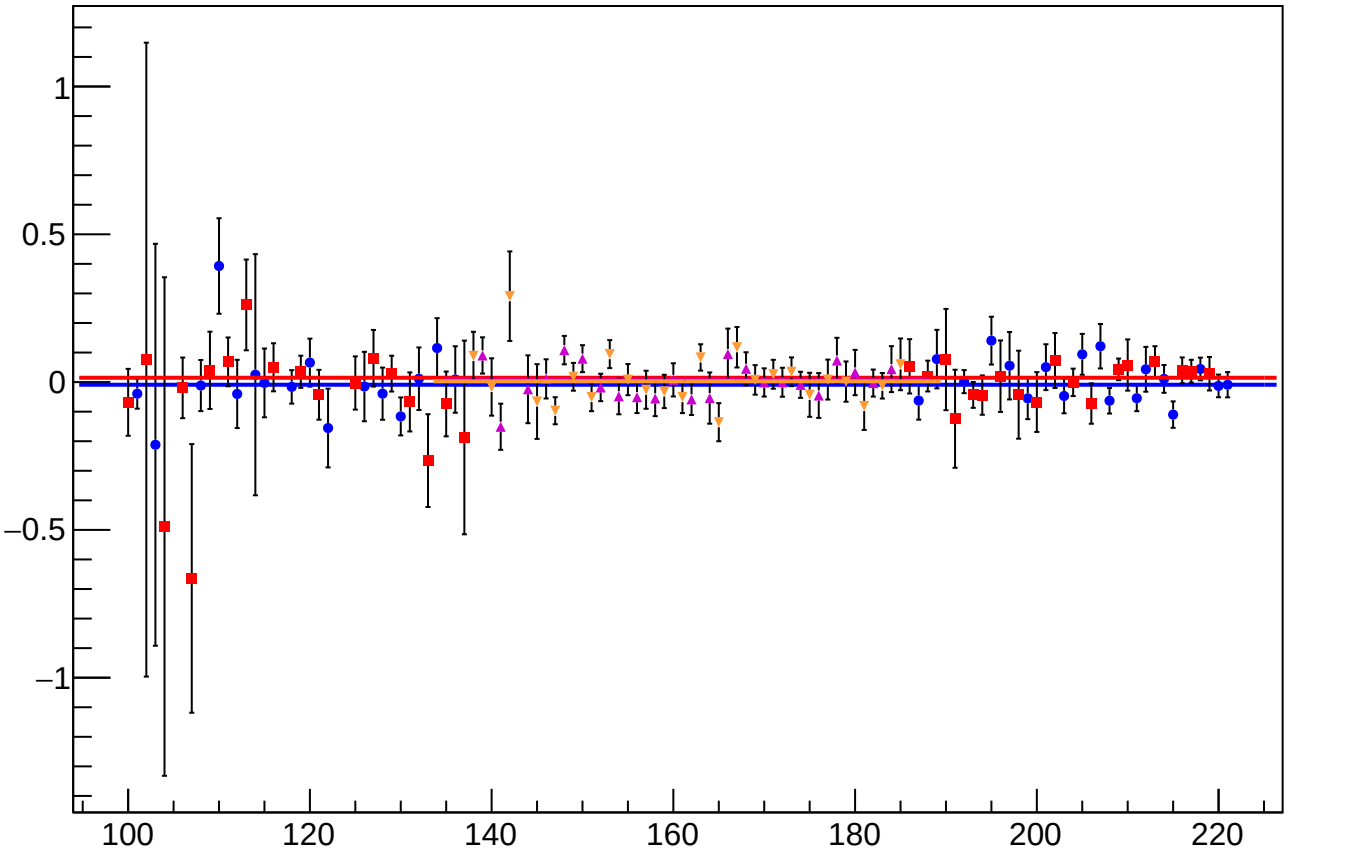
Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356182.4/57

All: 45.601+/-0.004 χ^2/NDF: 13807089.4/116

- sign 46.521+/-0.006 χ^2/NDF: 7407308.0/58



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

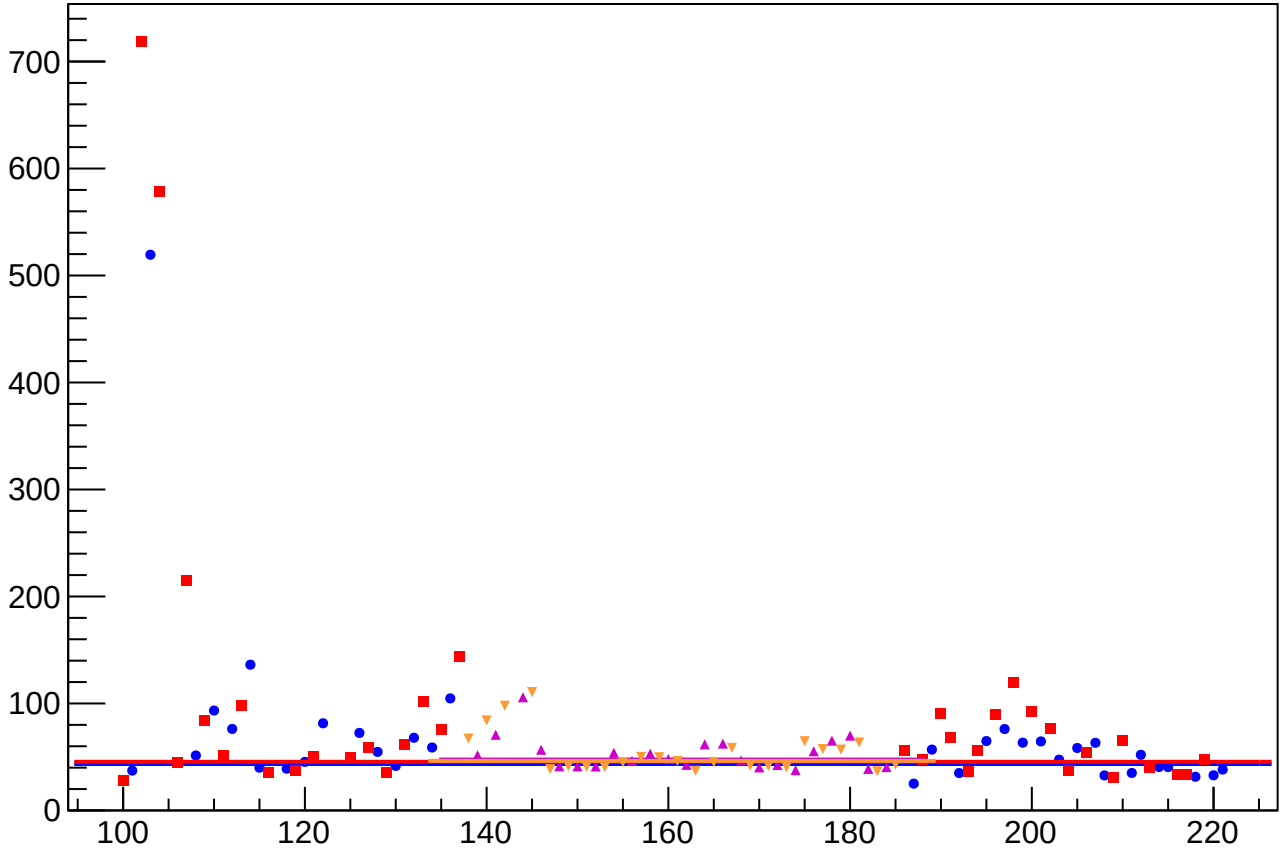
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.003+/-0.006 χ^2/NDF: 110.9/116

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.450+/-0.008 χ^2/NDF: 4324051.0/33

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

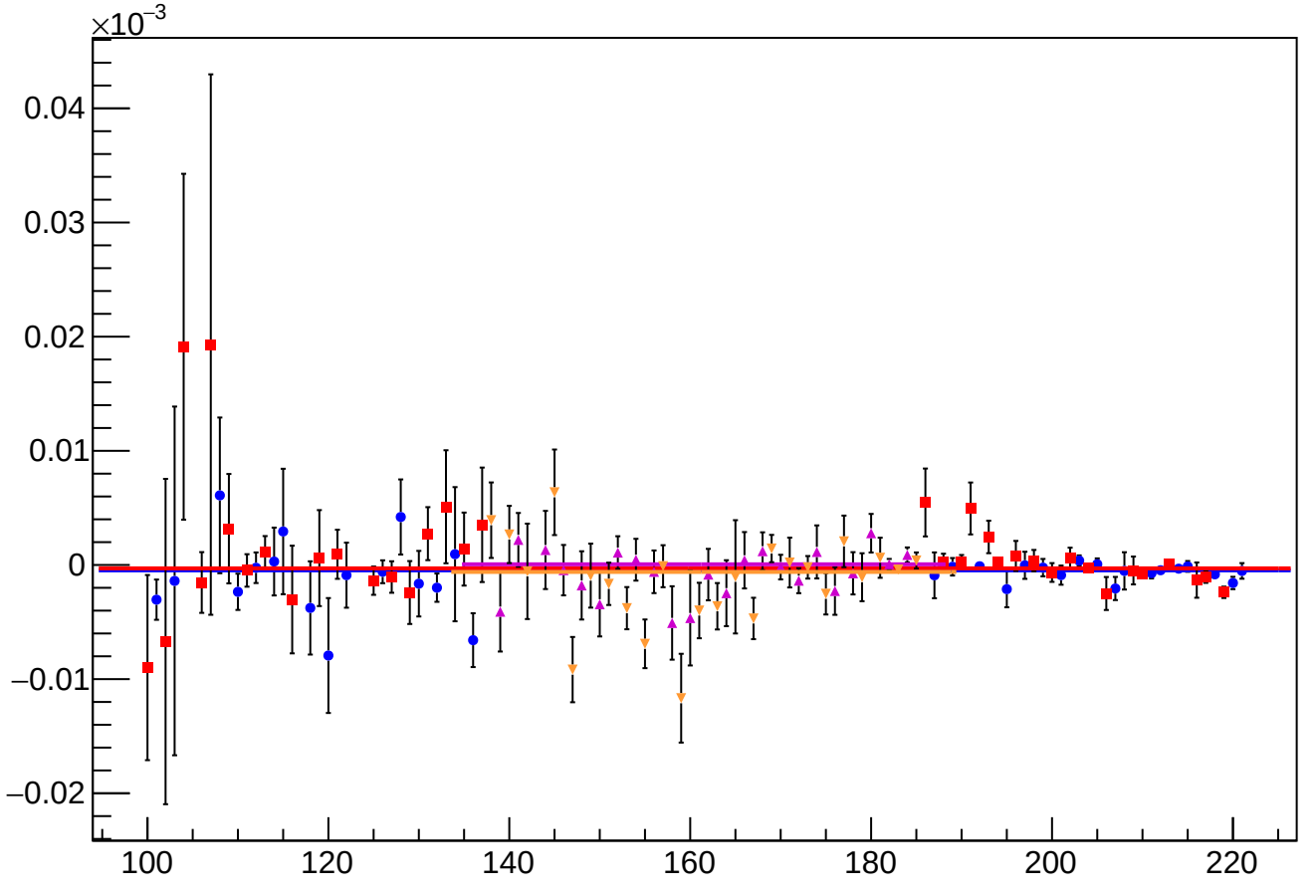
Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356182.4/57

All: 45.601+/-0.004 χ^2/NDF: 13807089.4/116

- sign 46.521+/-0.006 χ^2/NDF: 7407308.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 58.7/35

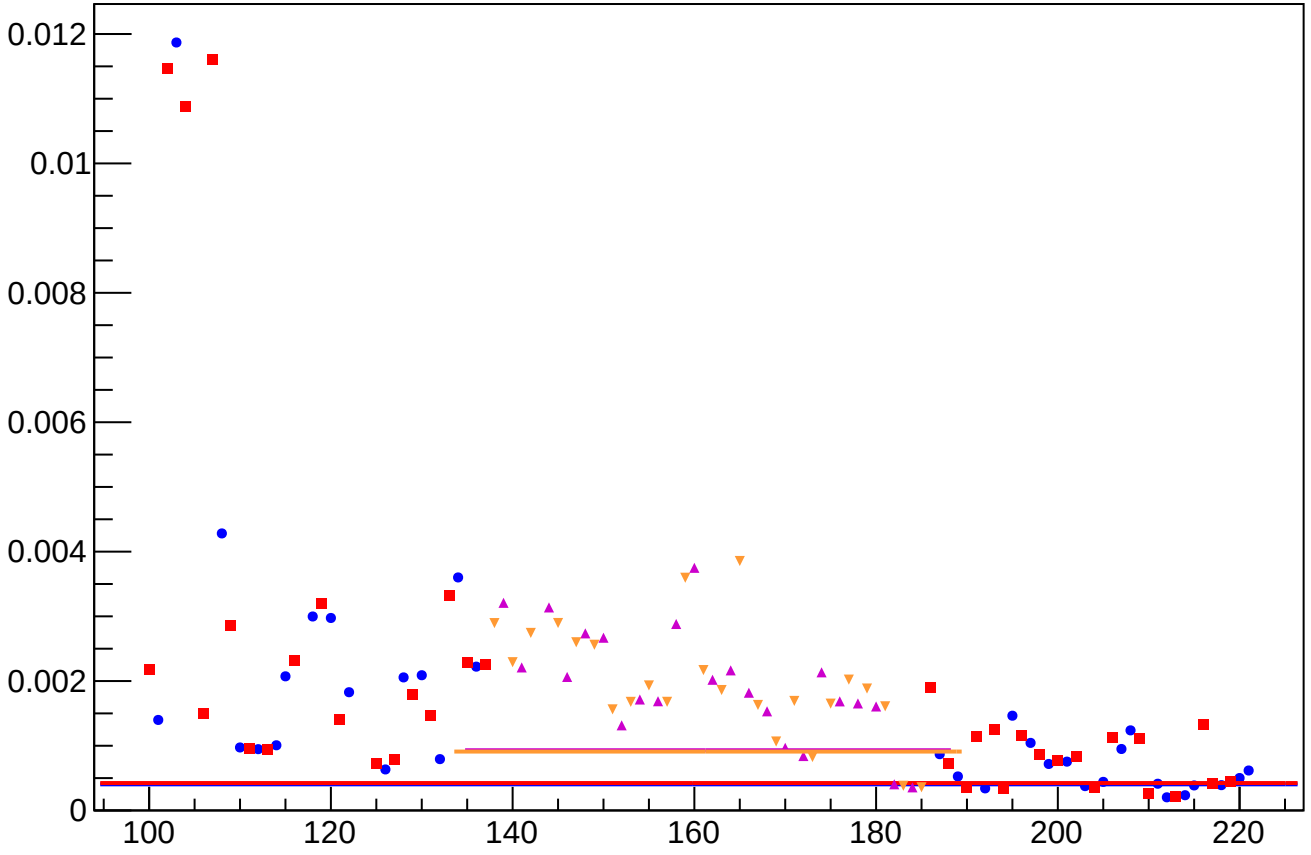
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 88.1/57

All: -0.000+/-0.000 χ^2/NDF: 168.6/116

- sign -0.000+/-0.000 χ^2/NDF: 77.9/58

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14459027.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

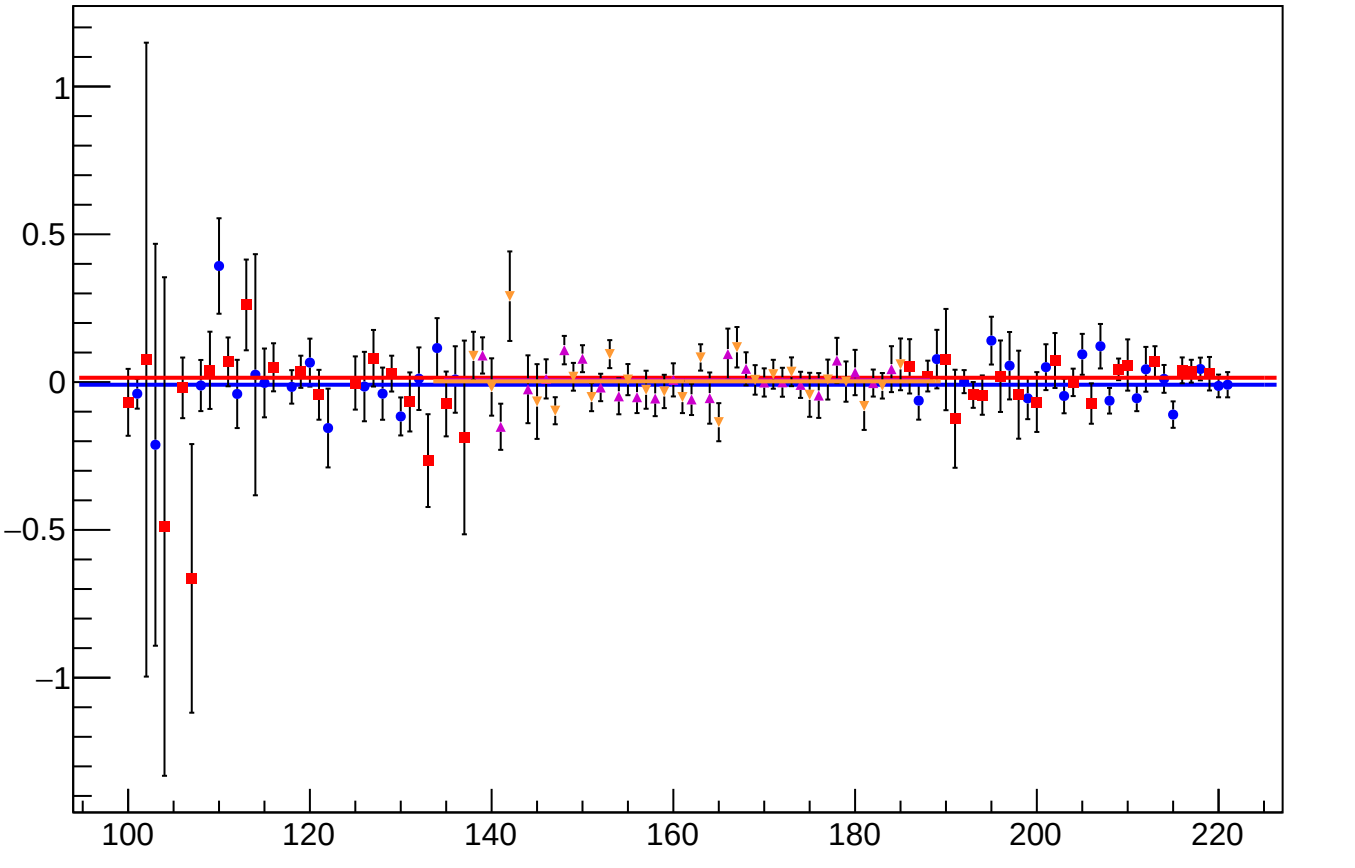
Right Out: 0.000+/-0.000 χ^2/NDF: 16248142.1/35

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 34305475.8/57

All: 0.000+/-0.000 χ^2/NDF: 69750847.9/116

- sign 0.001+/-0.000 χ^2/NDF: 35366481.4/58



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

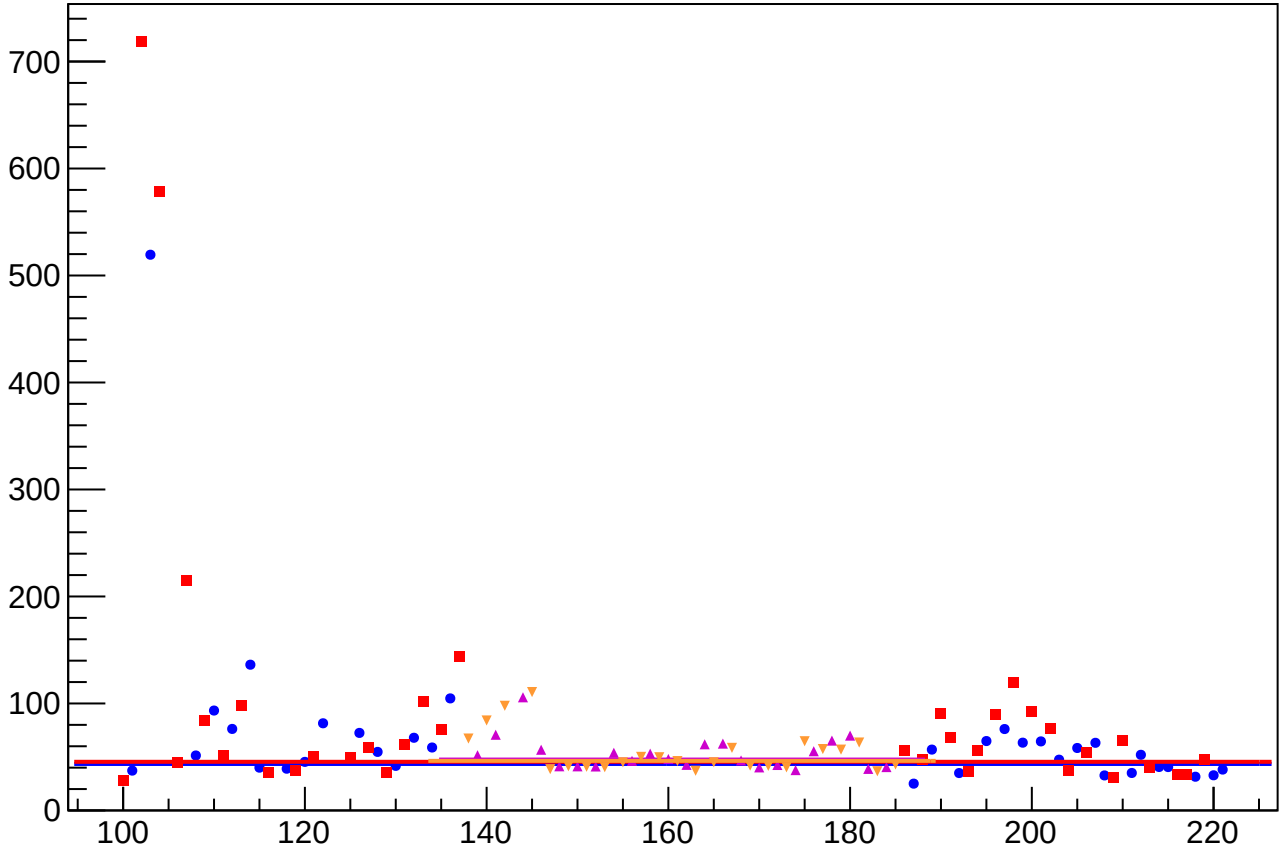
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.003+/-0.006 χ^2/NDF: 110.9/116

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.450+/-0.008 χ^2/NDF: 4324066.9/33

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

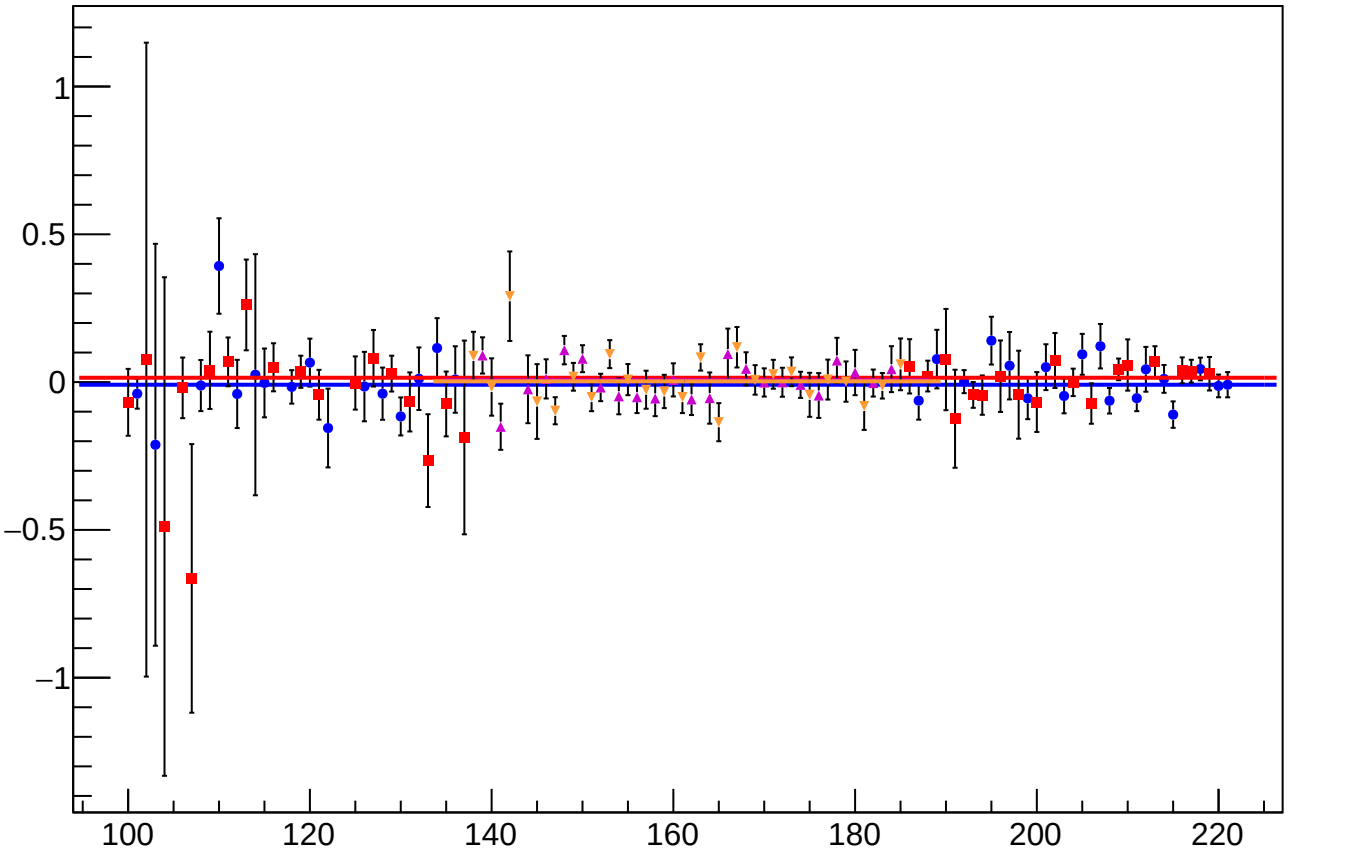
Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356194.9/57

All: 45.601+/-0.004 χ^2/NDF: 13807115.8/116

- sign 46.520+/-0.006 χ^2/NDF: 7407328.6/58



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/33

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

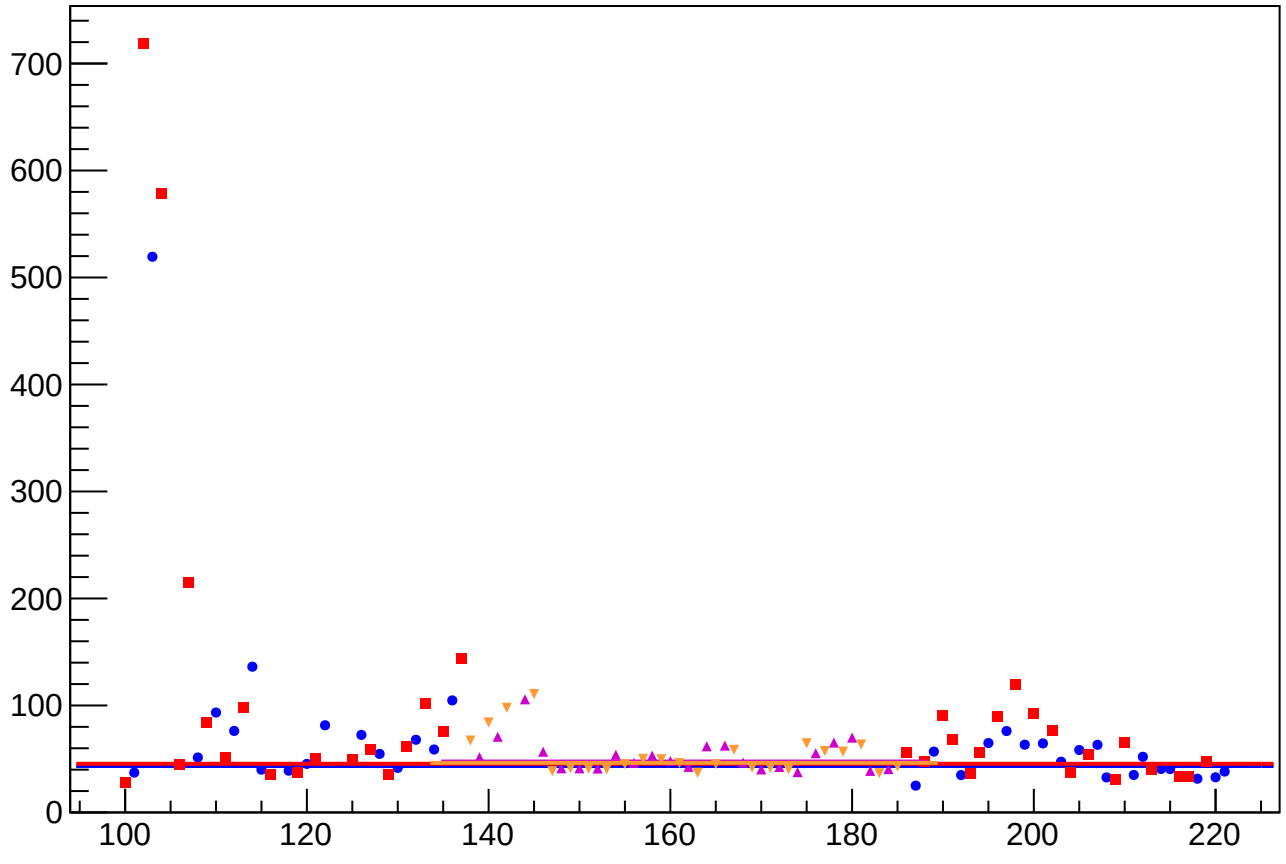
Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.004+/-0.008 χ^2/NDF: 65.9/57

All: 0.003+/-0.006 χ^2/NDF: 110.9/116

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58



Right In: 43.450+/-0.008 χ^2/NDF: 4324066.9/33

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

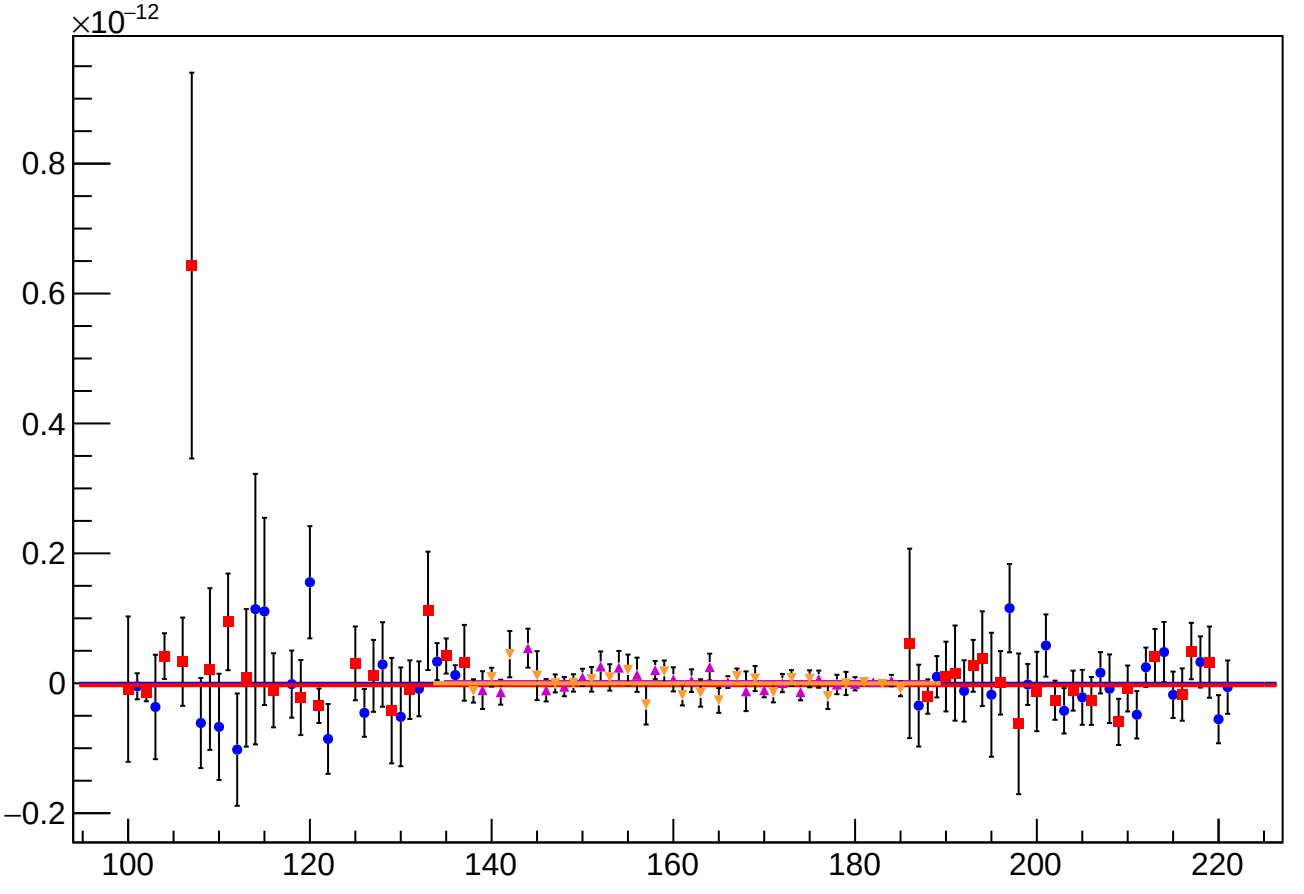
Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 44.785+/-0.006 χ^2/NDF: 6356194.9/57

All: 45.601+/-0.004 χ^2/NDF: 13807115.8/116

- sign 46.520+/-0.006 χ^2/NDF: 7407328.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

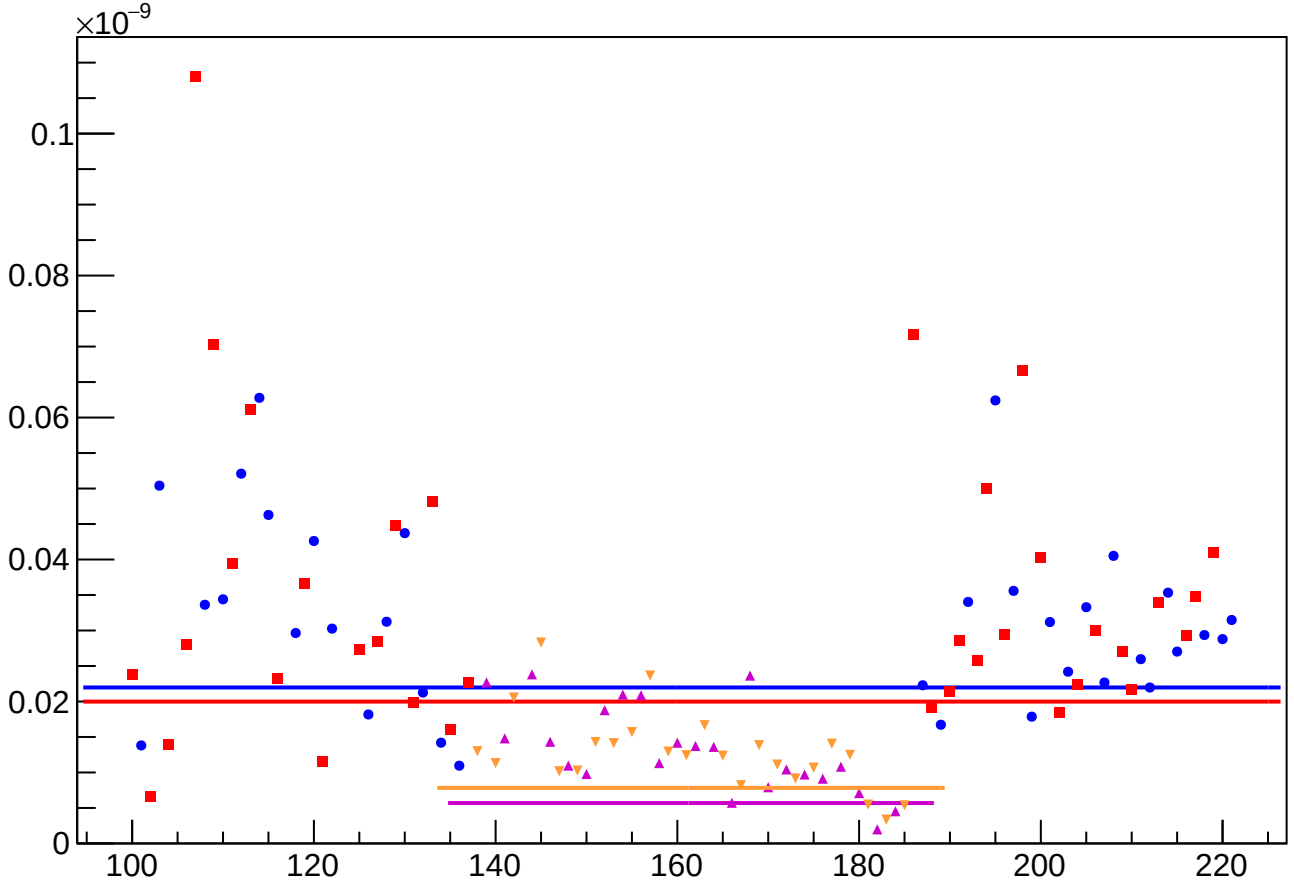
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/57

All: 0.000+/-0.000 χ^2/NDF: 80.4/116

- sign 0.000+/-0.000 χ^2/NDF: 38.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 4299791.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6451556.9/35

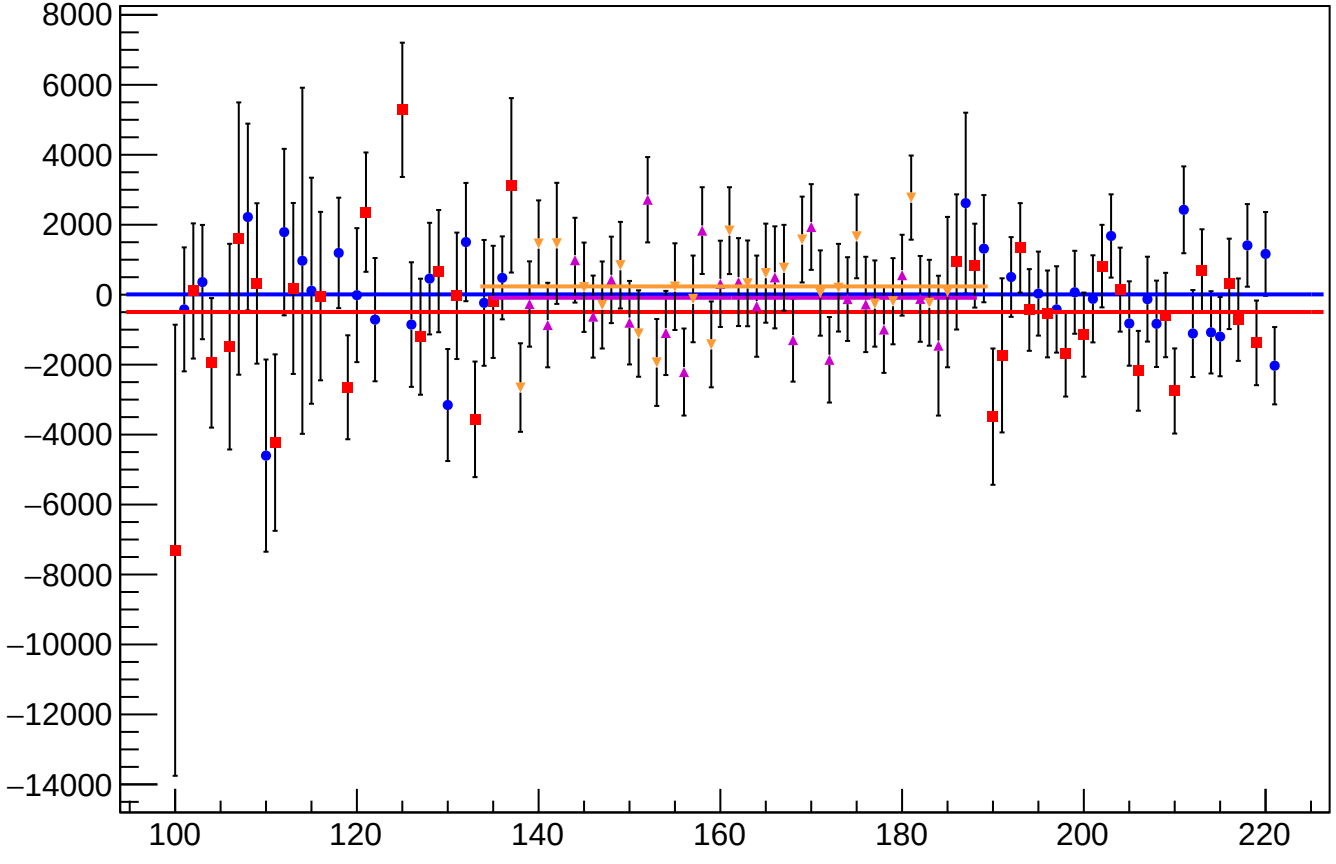
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 18592415.0/57

All: 0.000+/-0.000 χ^2/NDF: 46030595.5/116

- sign 0.000+/-0.000 χ^2/NDF: 26023592.7/58

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 8.523+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -494.992+/-254.120 χ^2/NDF: 41.8/35

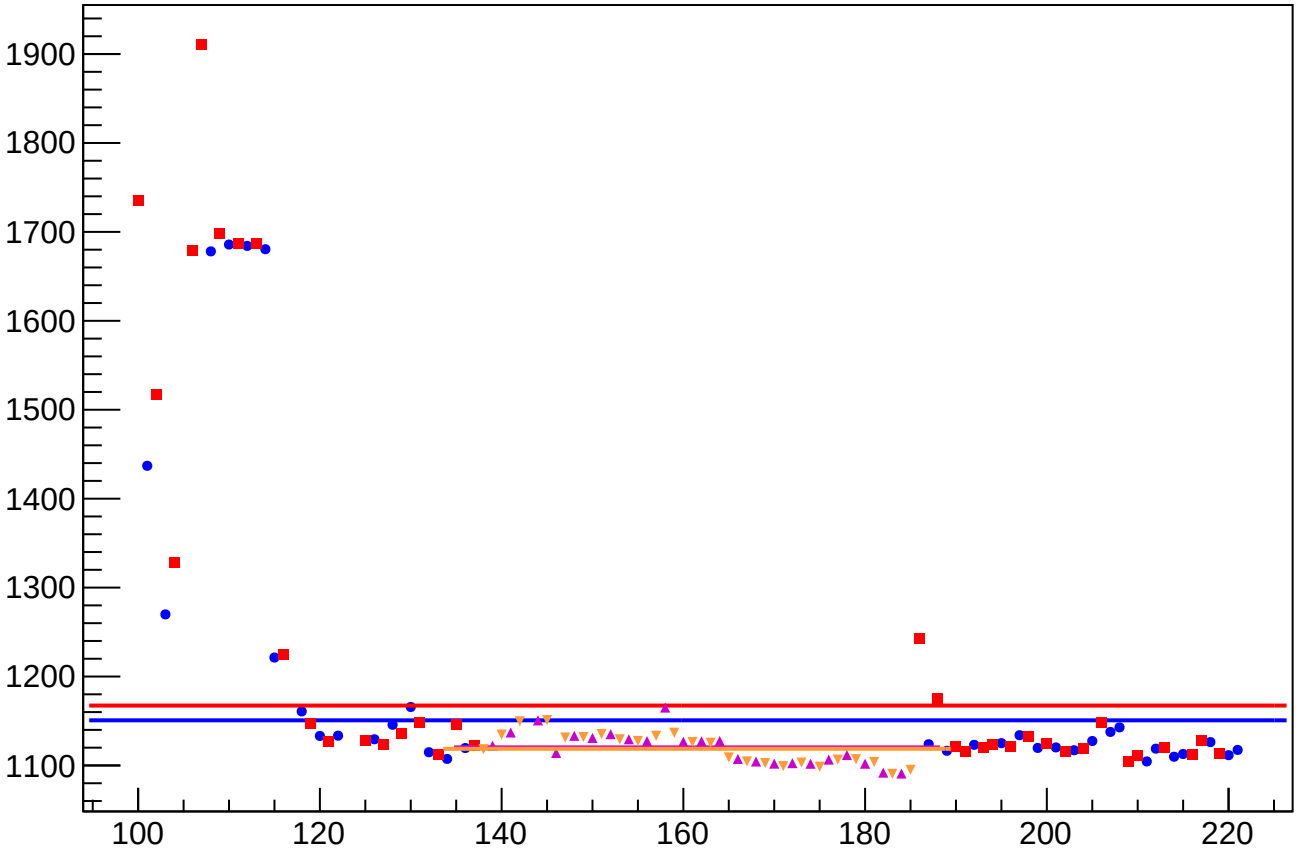
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 116.308+/-178.508 χ^2/NDF: 50.6/57

All: -86.314+/-127.536 χ^2/NDF: 117.1/116

- sign -297.584+/-182.278 χ^2/NDF: 63.9/58

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.2/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.355+/-0.180 χ^2/NDF: 568892.0/35

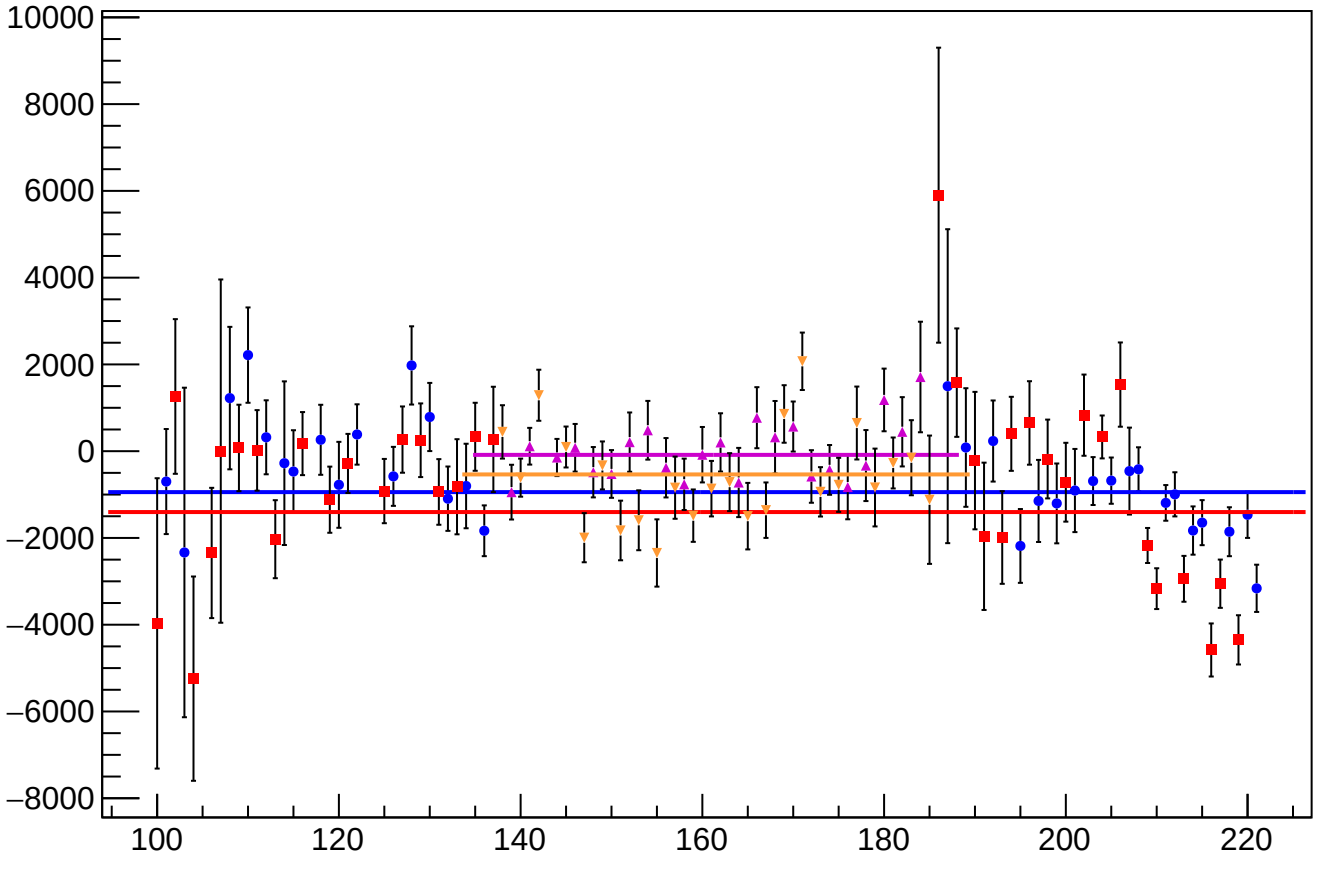
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1135.618+/-0.126 χ^2/NDF: 392135.2/57

All: 1139.973+/-0.090 χ^2/NDF: 1006219.1/11

- sign 1144.514+/-0.129 χ^2/NDF: 611652.4/58

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -943.660+/-123.922 χ^2/NDF: 68.2/33

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -1403.323+/-132.648 χ^2/NDF: 173.8/35

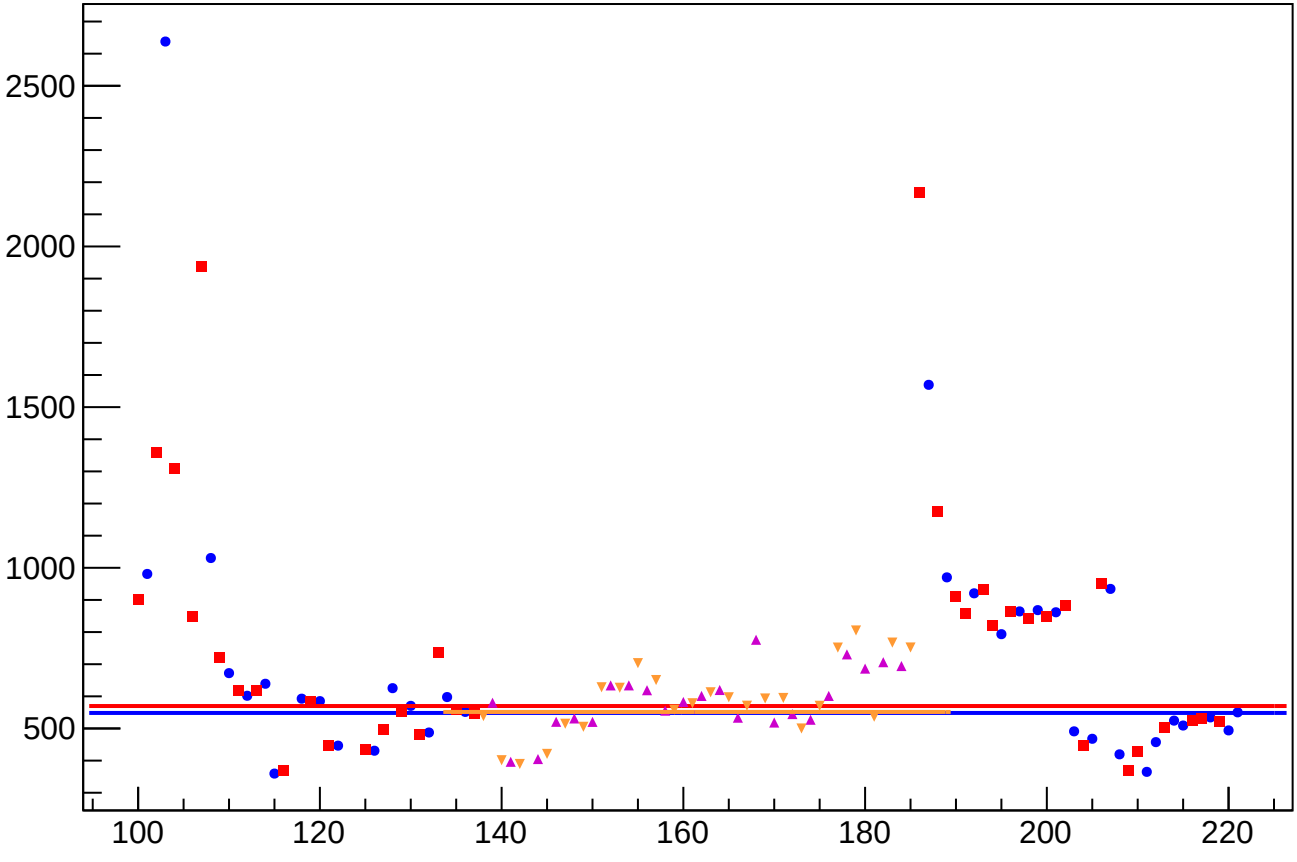
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -750.542+/-89.909 χ^2/NDF: 134.9/57

All: -743.473+/-64.706 χ^2/NDF: 375.9/116

\- sign -735.878+/-93.196 χ^2/NDF: 241.0/58

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 548.324+/-0.088 χ^2/NDF: 3799305.9/33

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 569.854+/-0.094 χ^2/NDF: 4773448.4/35

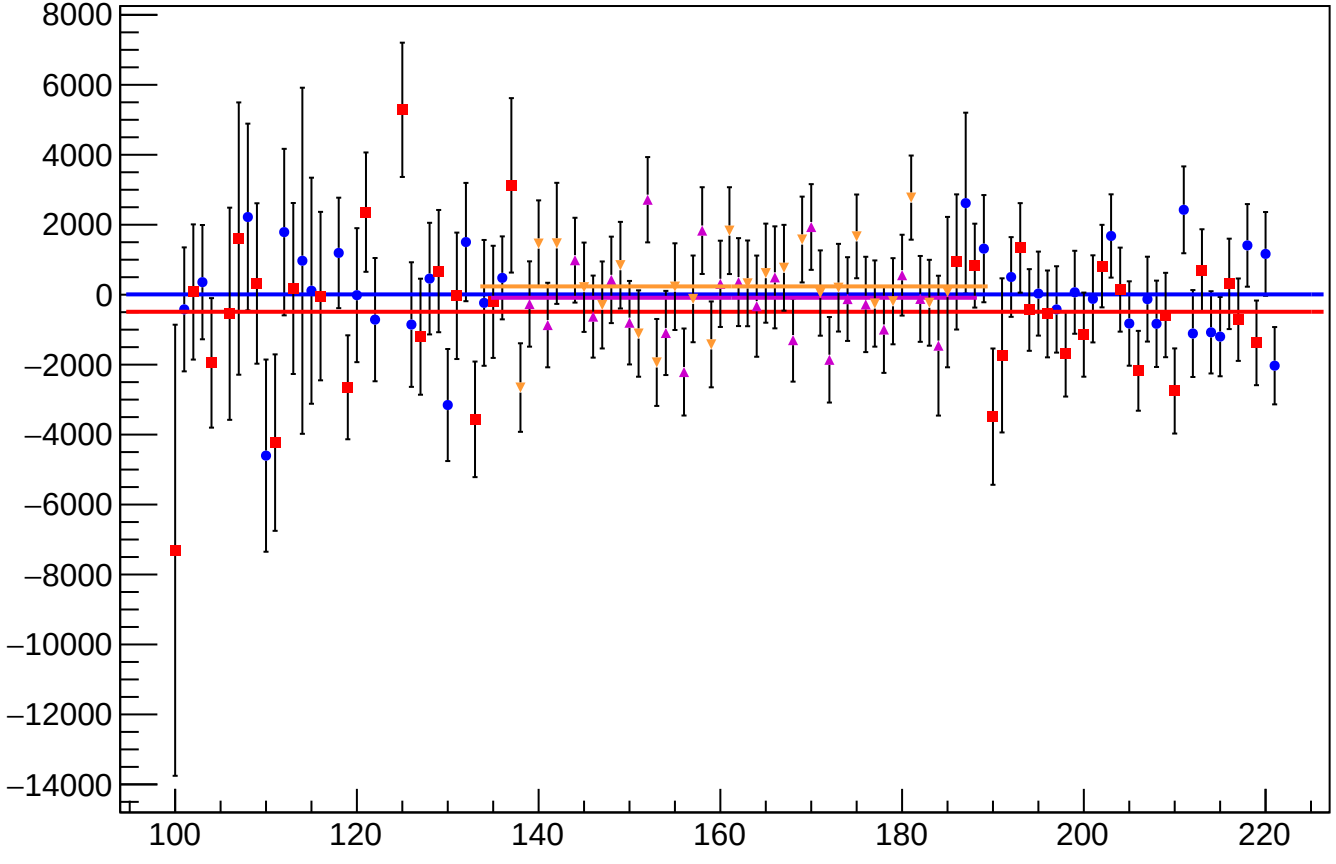
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 549.800+/-0.064 χ^2/NDF: 5026521.2/57

All: 554.947+/-0.046 χ^2/NDF: 10895066.2/11

- sign 560.477+/-0.066 χ^2/NDF: 5854948.9/58

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 8.426+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -488.462+/-254.178 χ^2/NDF: 41.6/35

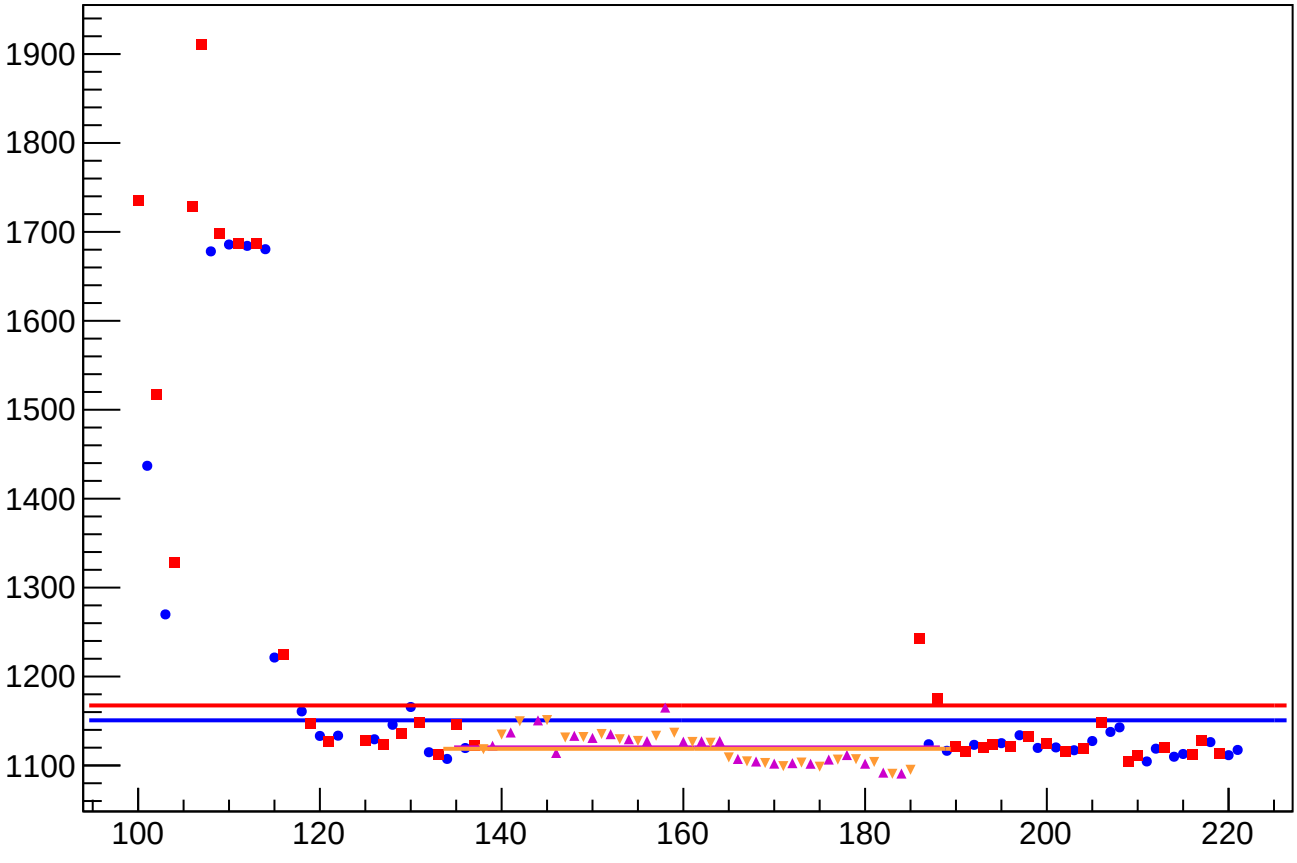
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 116.277+/-178.508 χ^2/NDF: 50.6/57

All: -84.636+/-127.543 χ^2/NDF: 116.9/116

- sign -294.174+/-182.299 χ^2/NDF: 63.7/58

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.3/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

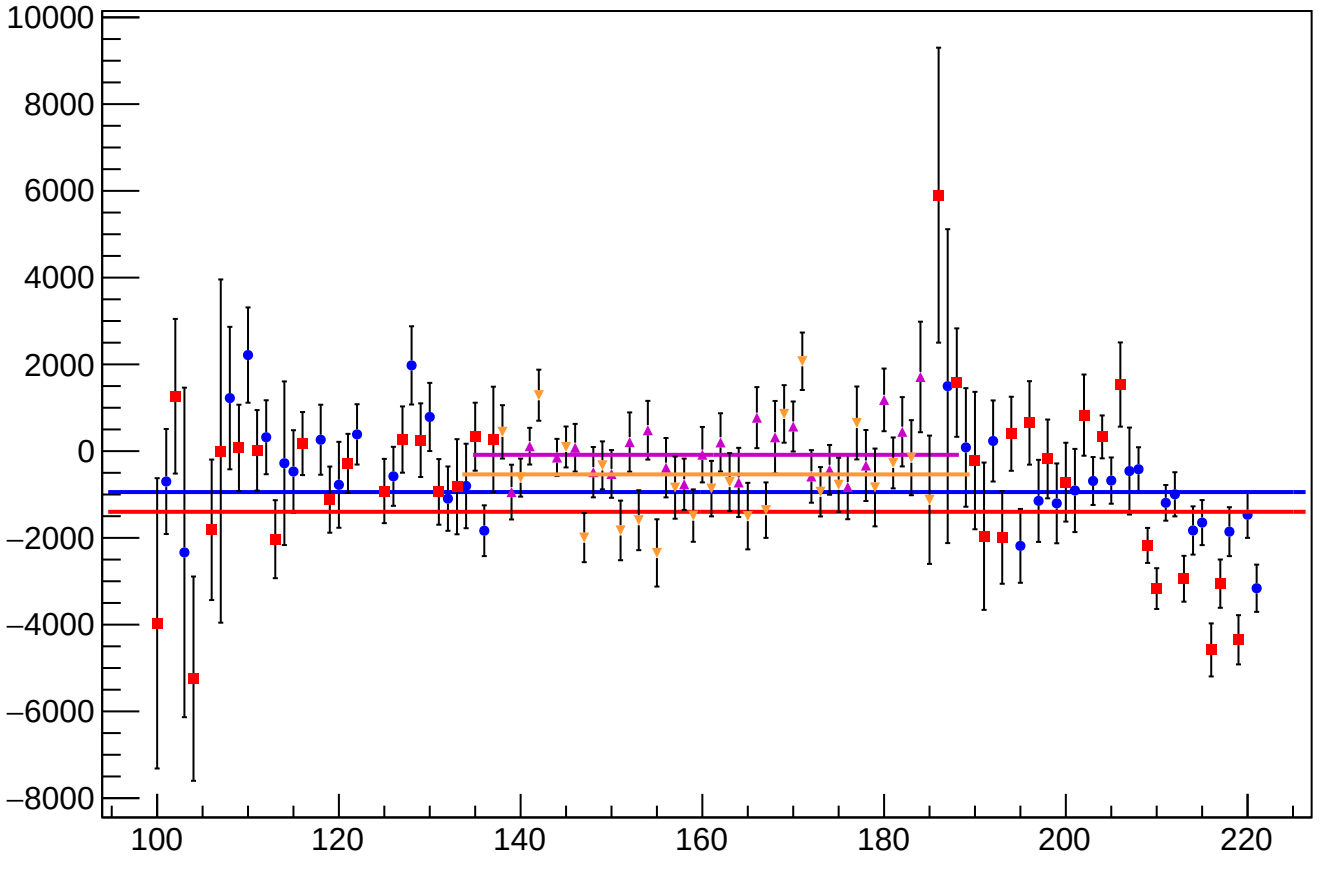
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1135.618+/-0.126 χ^2/NDF: 392135.3/57

All: 1140.001+/-0.090 χ^2/NDF: 1014443.8/11

- sign 1144.571+/-0.129 χ^2/NDF: 619845.8/58

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -943.646+/-123.922 χ^2/NDF: 68.2/33

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -1398.699+/-132.720 χ^2/NDF: 173.5/35

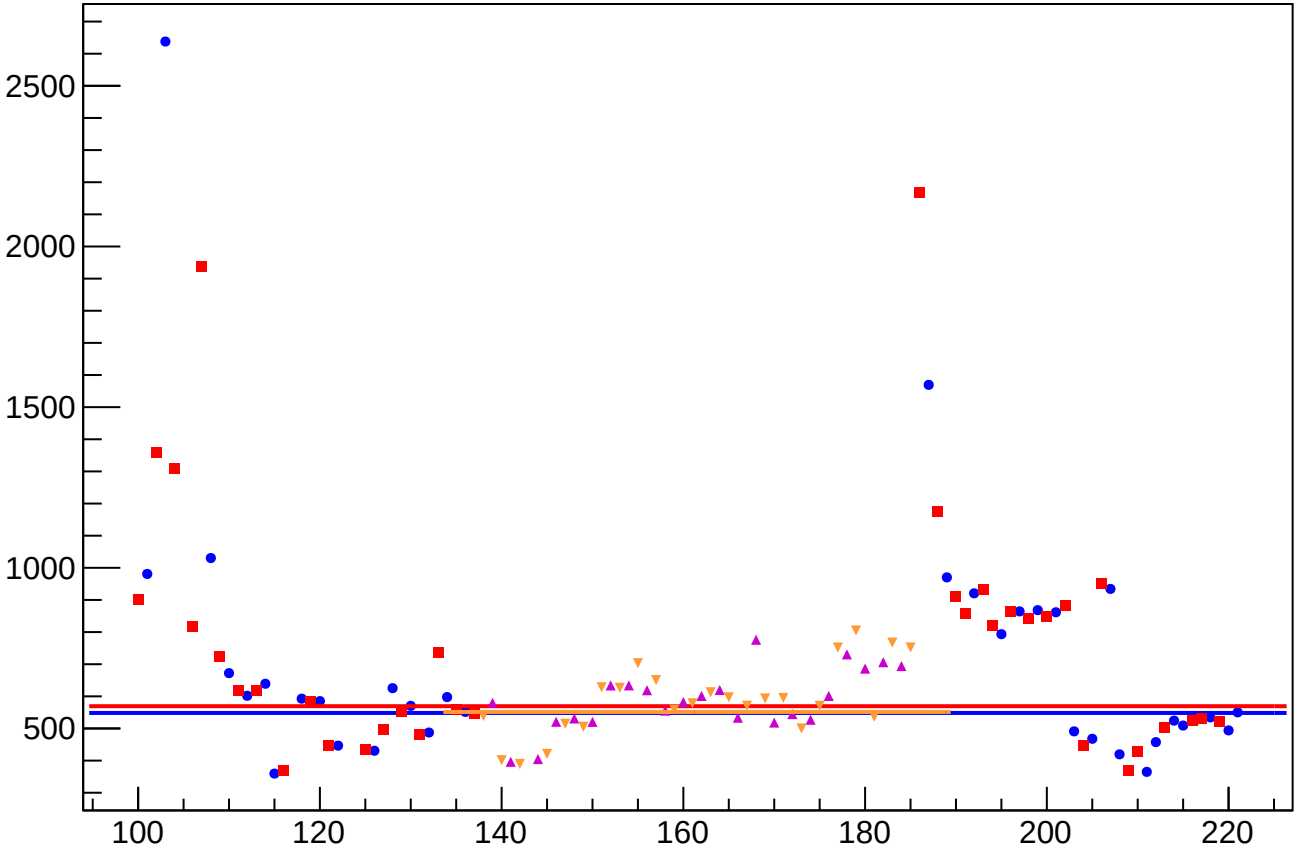
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -750.549+/-89.909 χ^2/NDF: 134.9/57

All: -742.205+/-64.714 χ^2/NDF: 375.2/116

\- sign -733.234+/-93.221 χ^2/NDF: 240.3/58

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 548.322+/-0.088 χ^2/NDF: 3799281.1/33

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

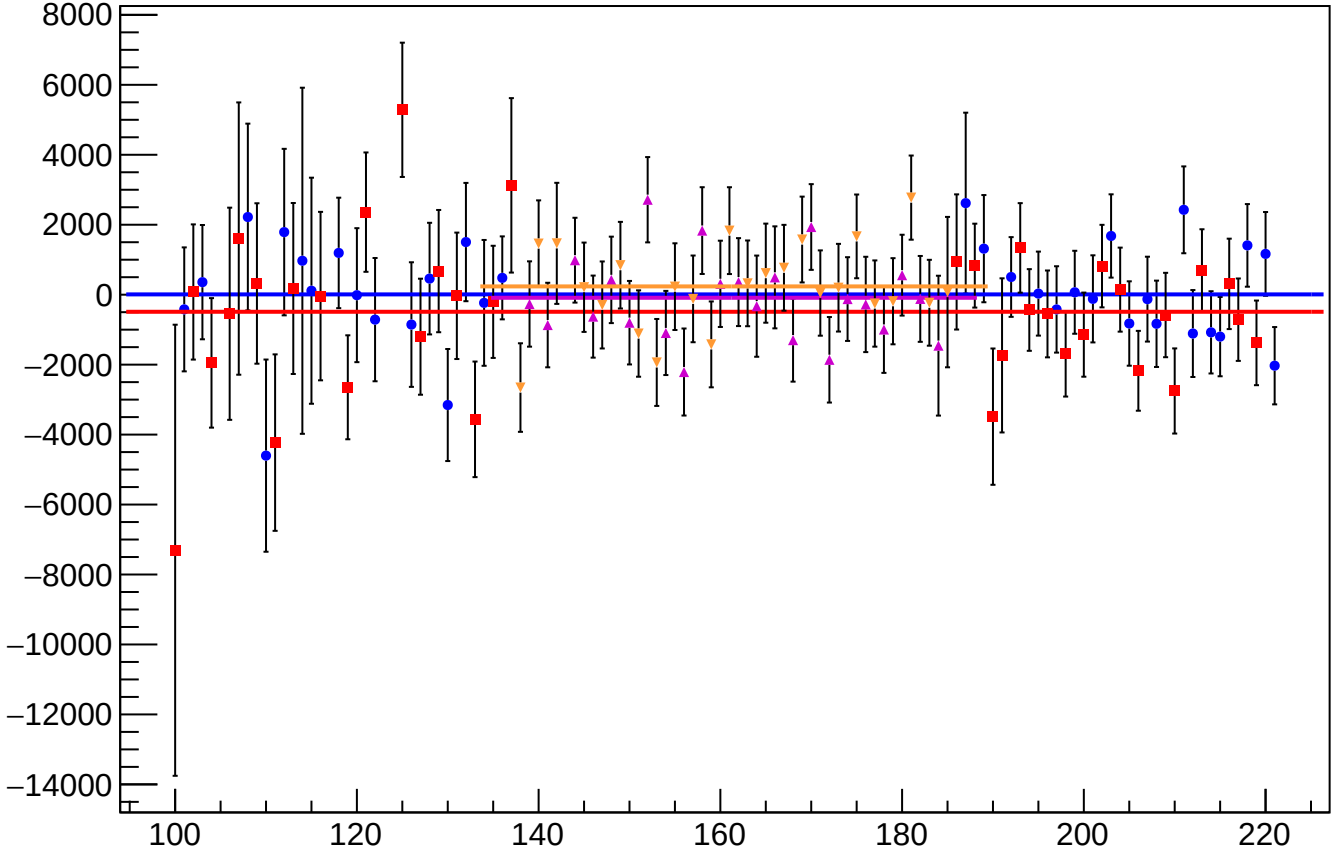
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 549.798+/-0.064 χ^2/NDF: 5026512.7/57

All: 554.819+/-0.046 χ^2/NDF: 10871625.0/11

- sign 560.216+/-0.066 χ^2/NDF: 5832172.4/58

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 8.426+/-245.799 χ^2/NDF: 27.4/33

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -488.462+/-254.178 χ^2/NDF: 41.6/35

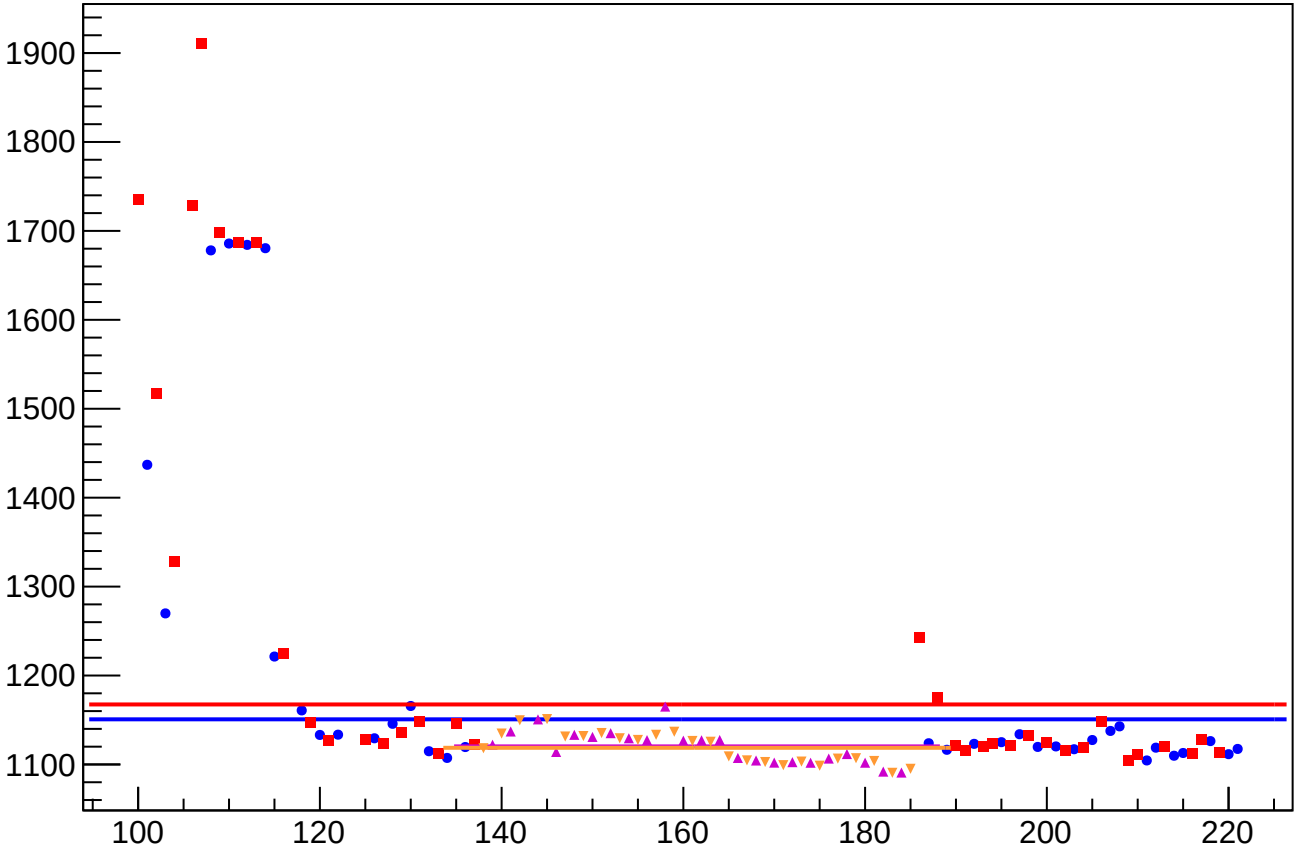
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 116.277+/-178.508 χ^2/NDF: 50.6/57

All: -84.636+/-127.543 χ^2/NDF: 116.9/116

- sign -294.174+/-182.299 χ^2/NDF: 63.7/58

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1150.748+/-0.174 χ^2/NDF: 367896.3/33

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

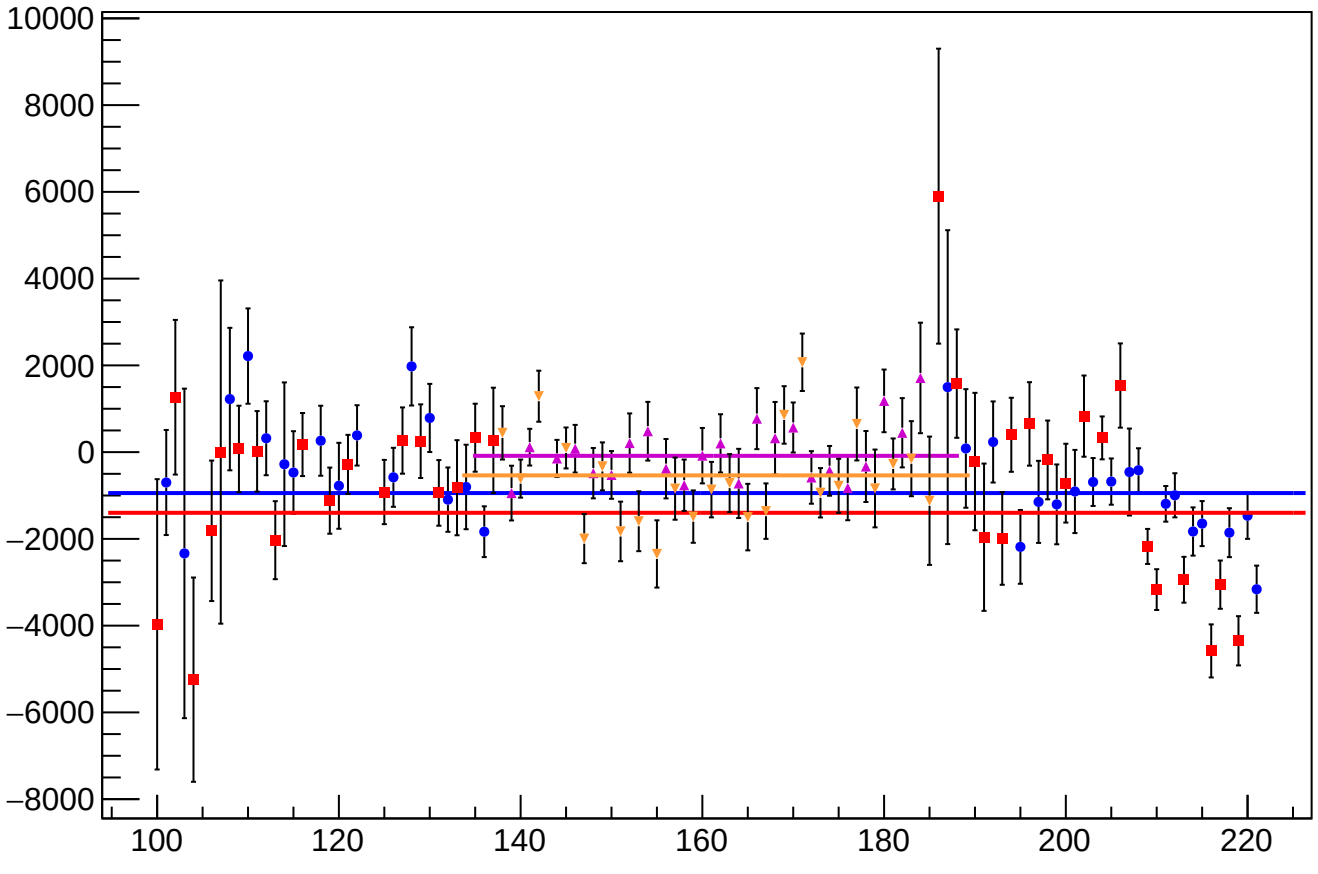
Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1135.618+/-0.126 χ^2/NDF: 392135.3/57

All: 1140.001+/-0.090 χ^2/NDF: 1014443.8/11

- sign 1144.571+/-0.129 χ^2/NDF: 619845.8/58



Right In: -943.646+/-123.922 χ^2/NDF: 68.2/33

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

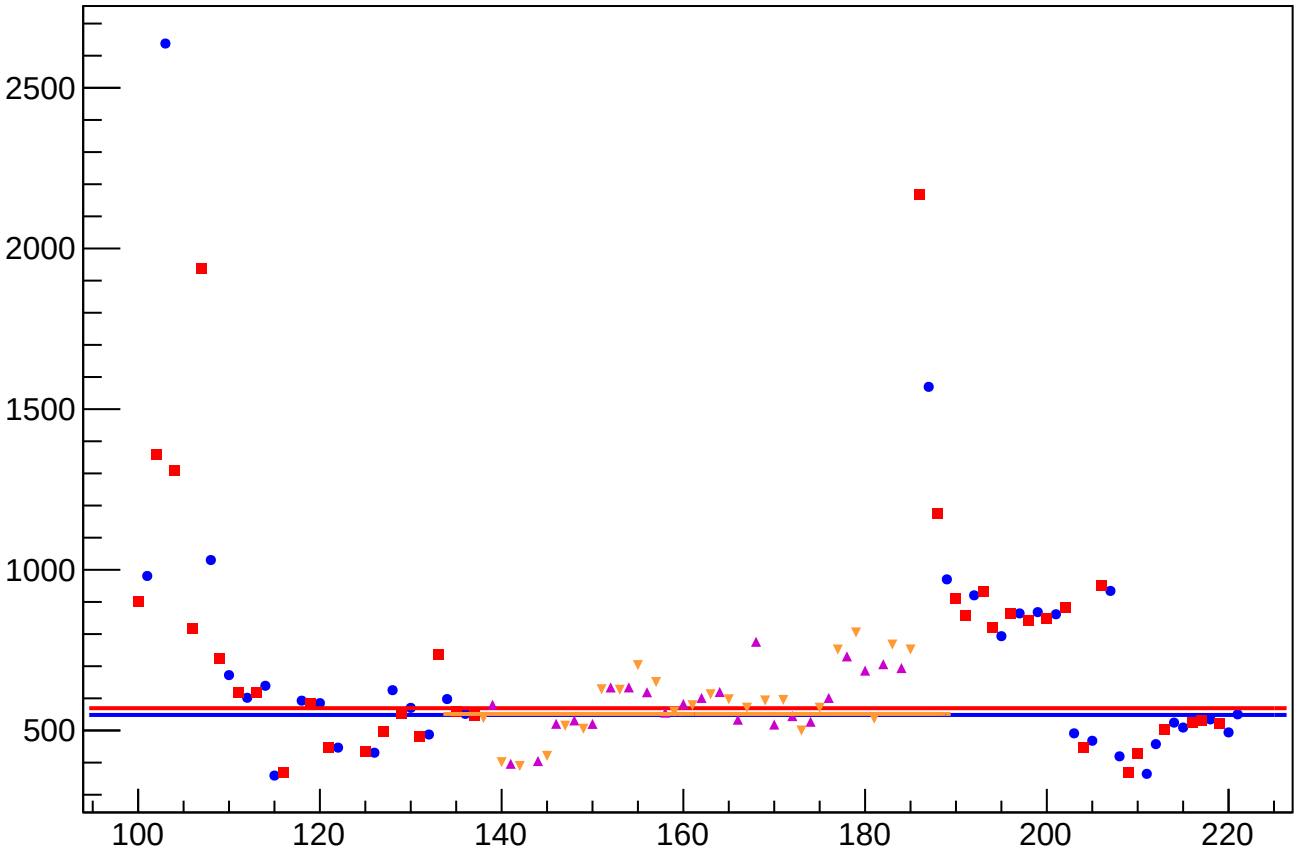
Right Out: -1398.699+/-132.720 χ^2/NDF: 173.5/35

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -750.549+/-89.909 χ^2/NDF: 134.9/57

All: -742.205+/-64.714 χ^2/NDF: 375.2/116

- sign -733.234+/-93.221 χ^2/NDF: 240.3/58



Right In: 548.322+/-0.088 χ^2/NDF: 3799281.1/33

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

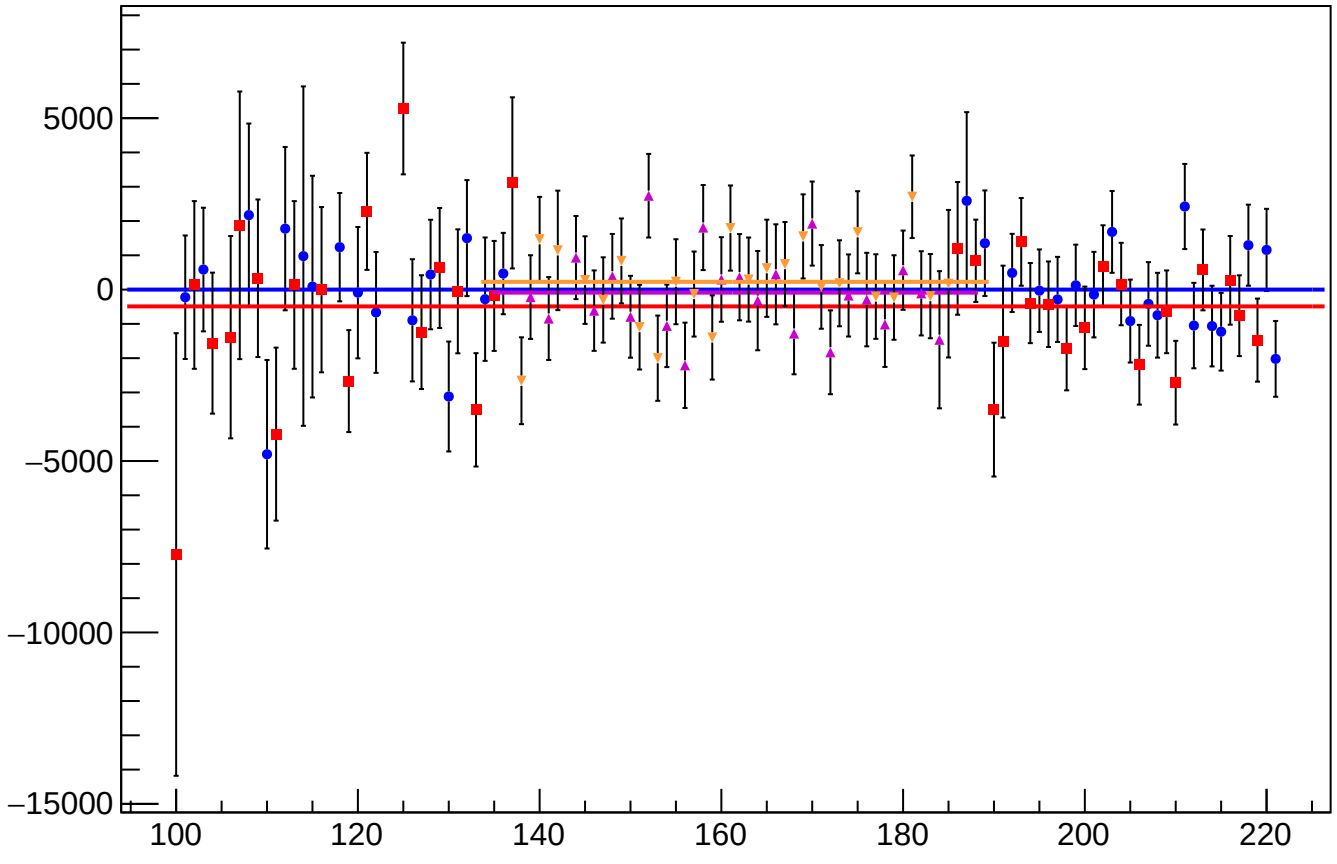
Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 549.798+/-0.064 χ^2/NDF: 5026512.7/57

All: 554.819+/-0.046 χ^2/NDF: 10871625.0/11

- sign 560.216+/-0.066 χ^2/NDF: 5832172.4/58



Right In: -0.158+/-246.722 χ^2/NDF: 27.3/33

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -490.145+/-256.038 χ^2/NDF: 41.1/35

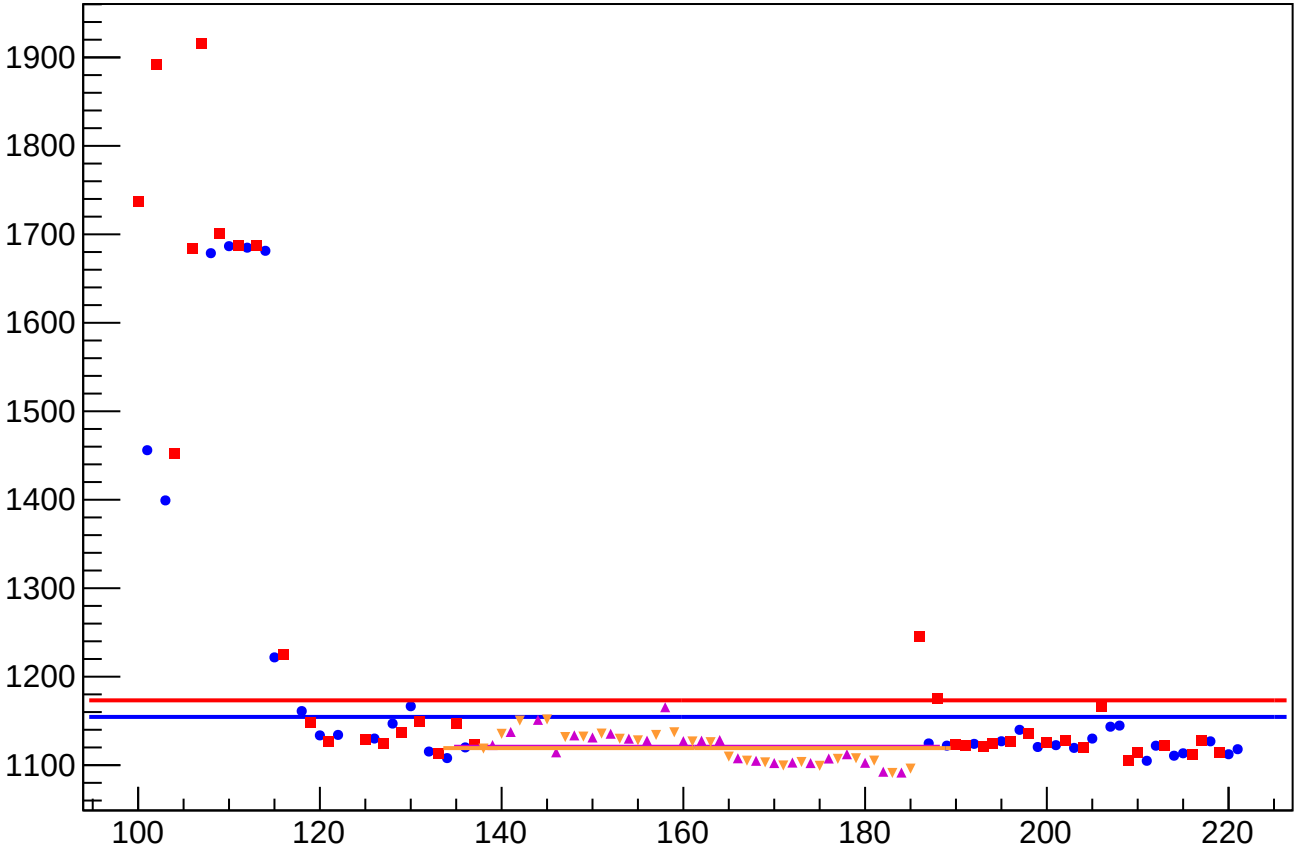
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 106.913+/-178.913 χ^2/NDF: 49.9/57

All: -88.999+/-127.938 χ^2/NDF: 115.2/116

- sign -294.010+/-183.021 χ^2/NDF: 62.8/58

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.517+/-0.174 χ^2/NDF: 398224.9/33

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.9/35

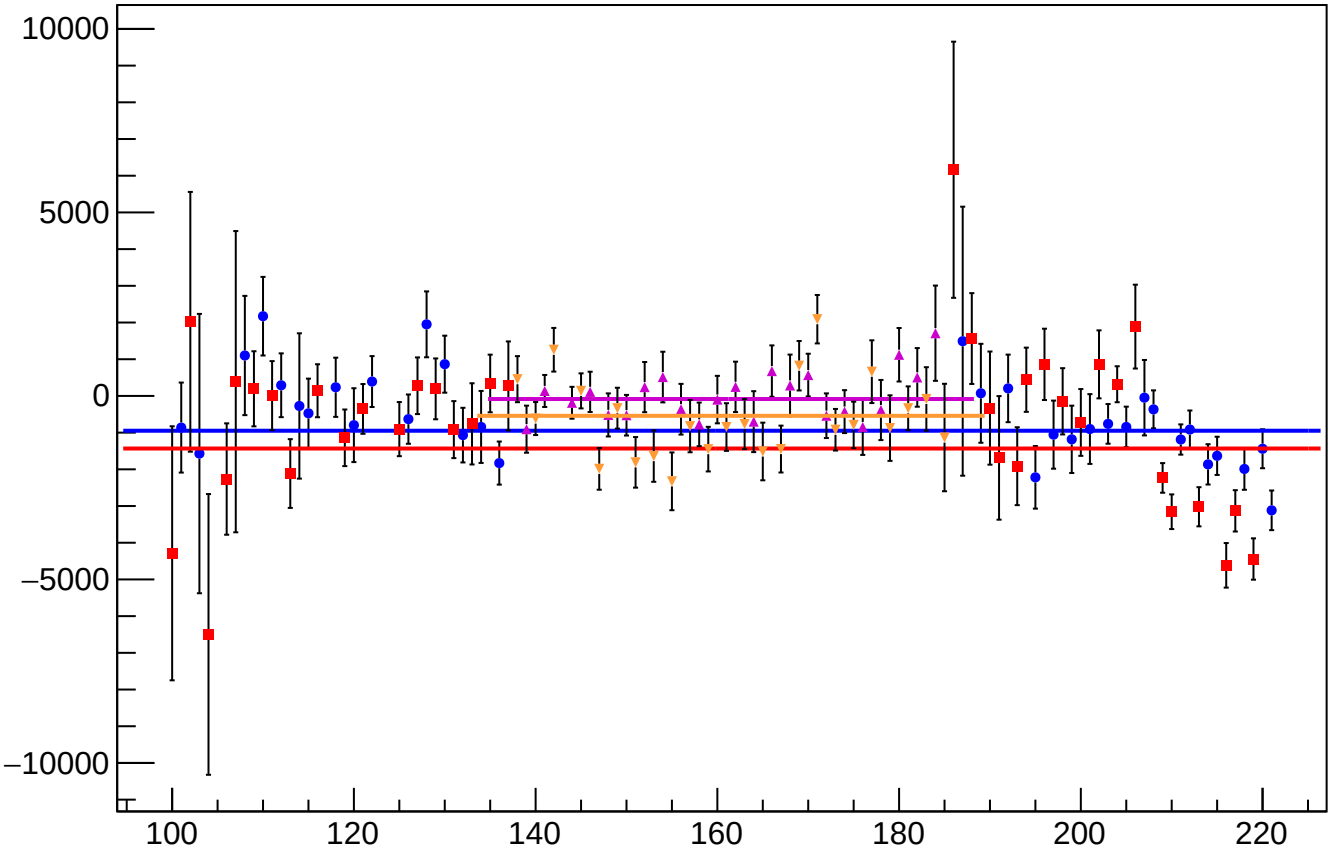
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1137.799+/-0.127 χ^2/NDF: 425735.5/57

All: 1142.588+/-0.090 χ^2/NDF: 1178369.7/11

- sign 1147.600+/-0.129 χ^2/NDF: 749701.8/58

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -948.350+/-124.159 χ^2/NDF: 69.1/33

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -1433.142+/-133.722 χ^2/NDF: 176.6/35

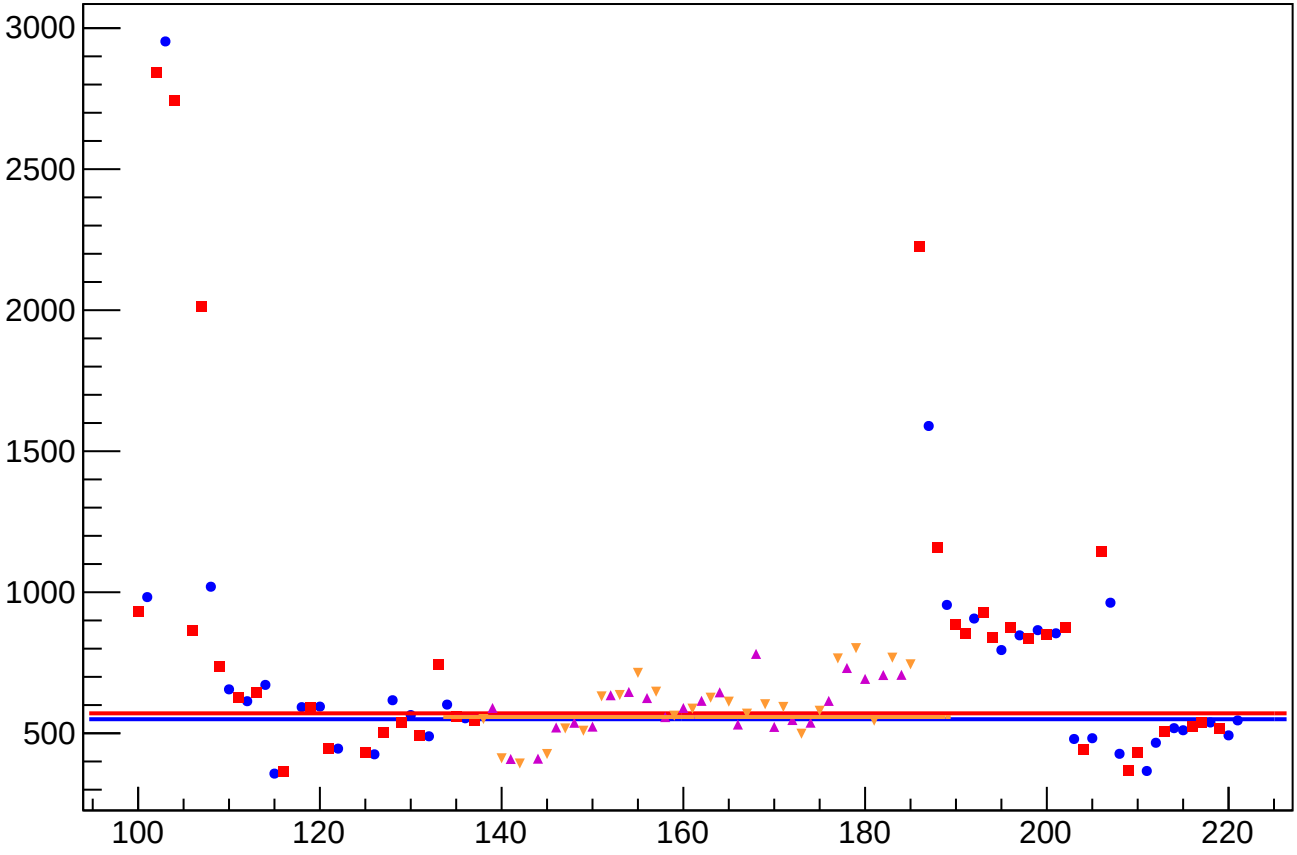
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -757.428+/-90.443 χ^2/NDF: 135.0/57

All: -755.151+/-65.220 χ^2/NDF: 379.3/116

- sign -752.685+/-94.138 χ^2/NDF: 244.3/58

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 549.808+/-0.088 χ^2/NDF: 3934864.7/33

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 570.668+/-0.095 χ^2/NDF: 5888315.2/35

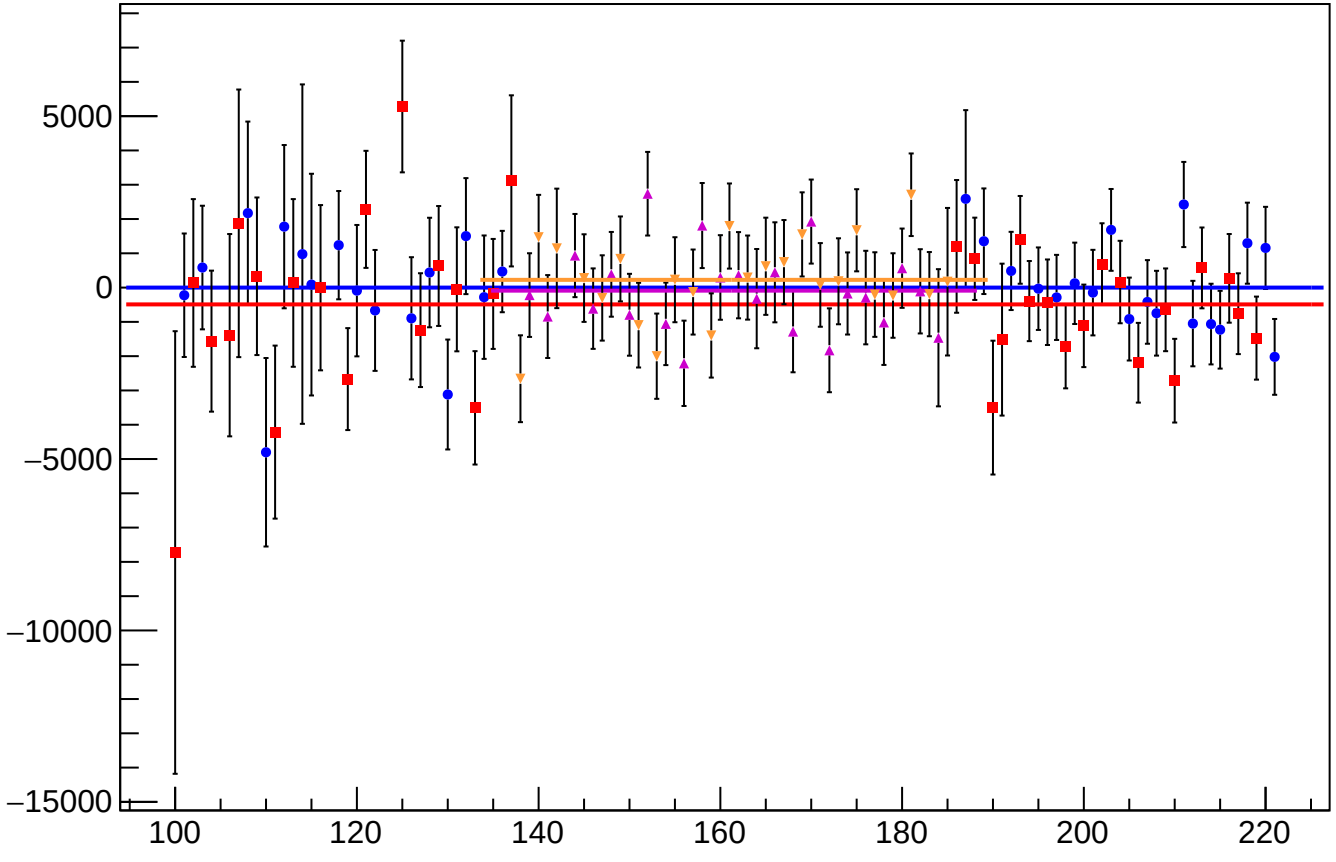
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 553.462+/-0.064 χ^2/NDF: 5131824.2/57

All: 558.748+/-0.046 χ^2/NDF: 12070692.7/11

- sign 564.476+/-0.067 χ^2/NDF: 6924630.0/58

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -0.157+/-246.722 χ^2/NDF: 27.3/33

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -490.144+/-256.038 χ^2/NDF: 41.1/35

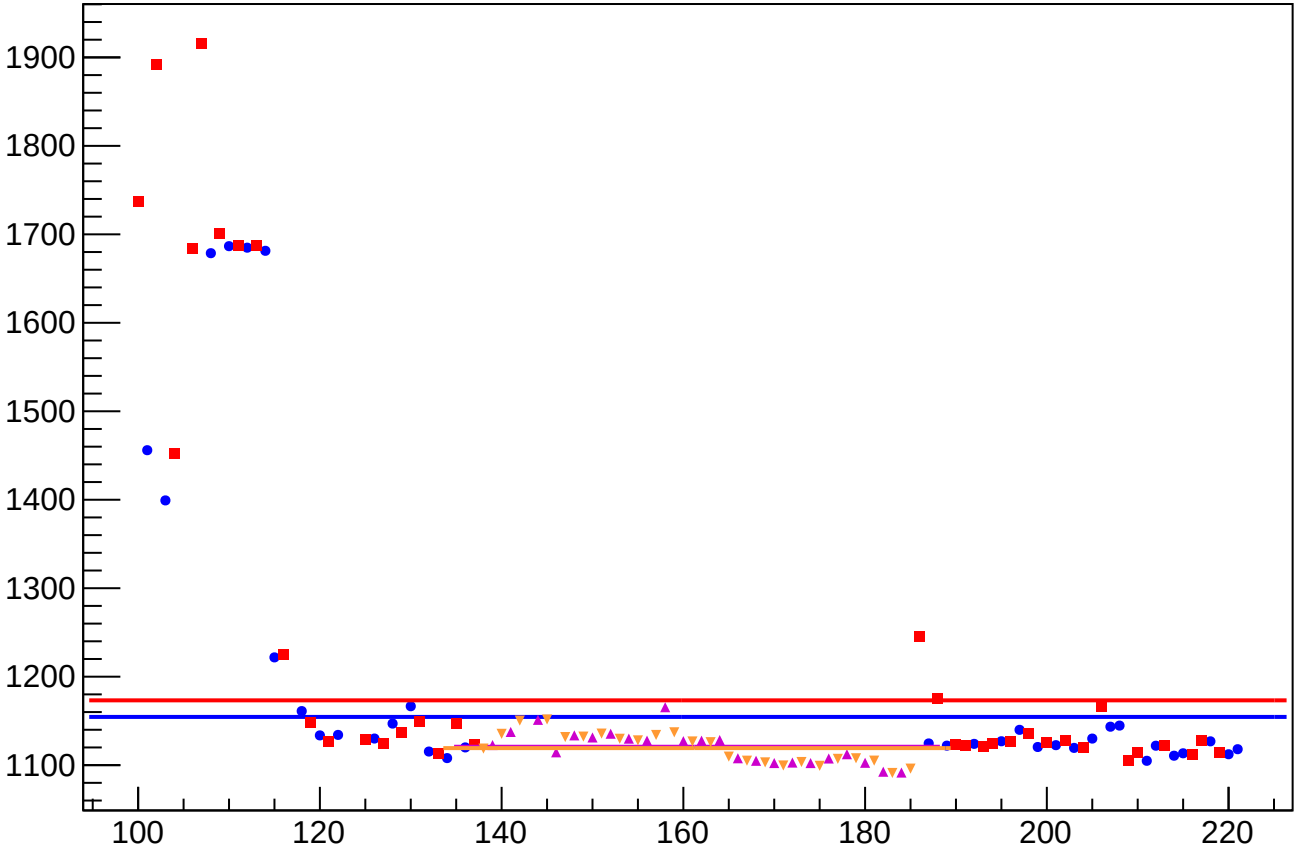
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 106.913+/-178.913 χ^2/NDF: 49.9/57

All: -88.998+/-127.938 χ^2/NDF: 115.2/116

- sign -294.010+/-183.021 χ^2/NDF: 62.8/58

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1154.517+/-0.174 χ^2/NDF: 398224.4/33

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.2/35

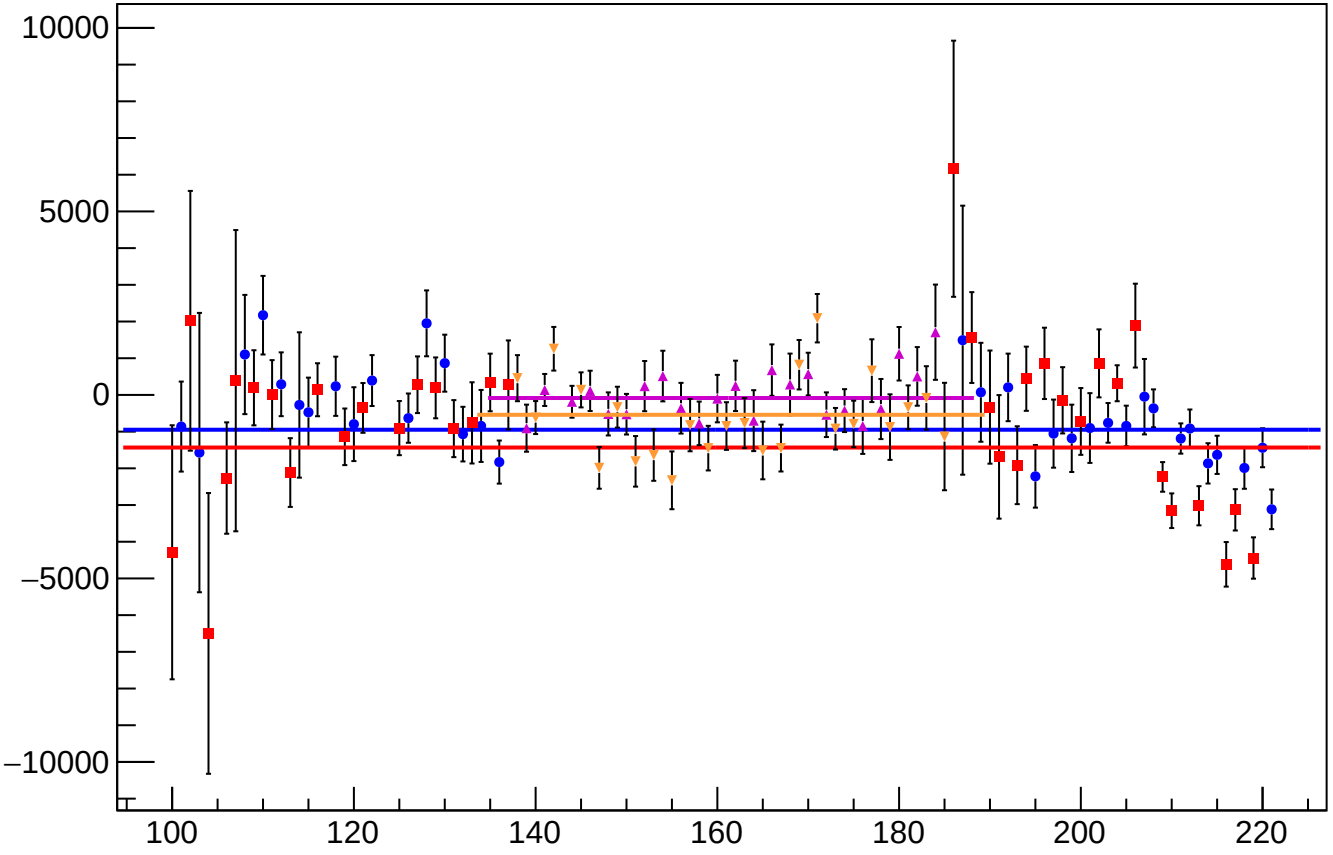
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1137.799+/-0.127 χ^2/NDF: 425735.0/57

All: 1142.588+/-0.090 χ^2/NDF: 1178368.4/11

- sign 1147.600+/-0.129 χ^2/NDF: 749701.1/58

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -948.349+/-124.159 χ^2/NDF: 69.1/33

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -1433.143+/-133.722 χ^2/NDF: 176.6/35

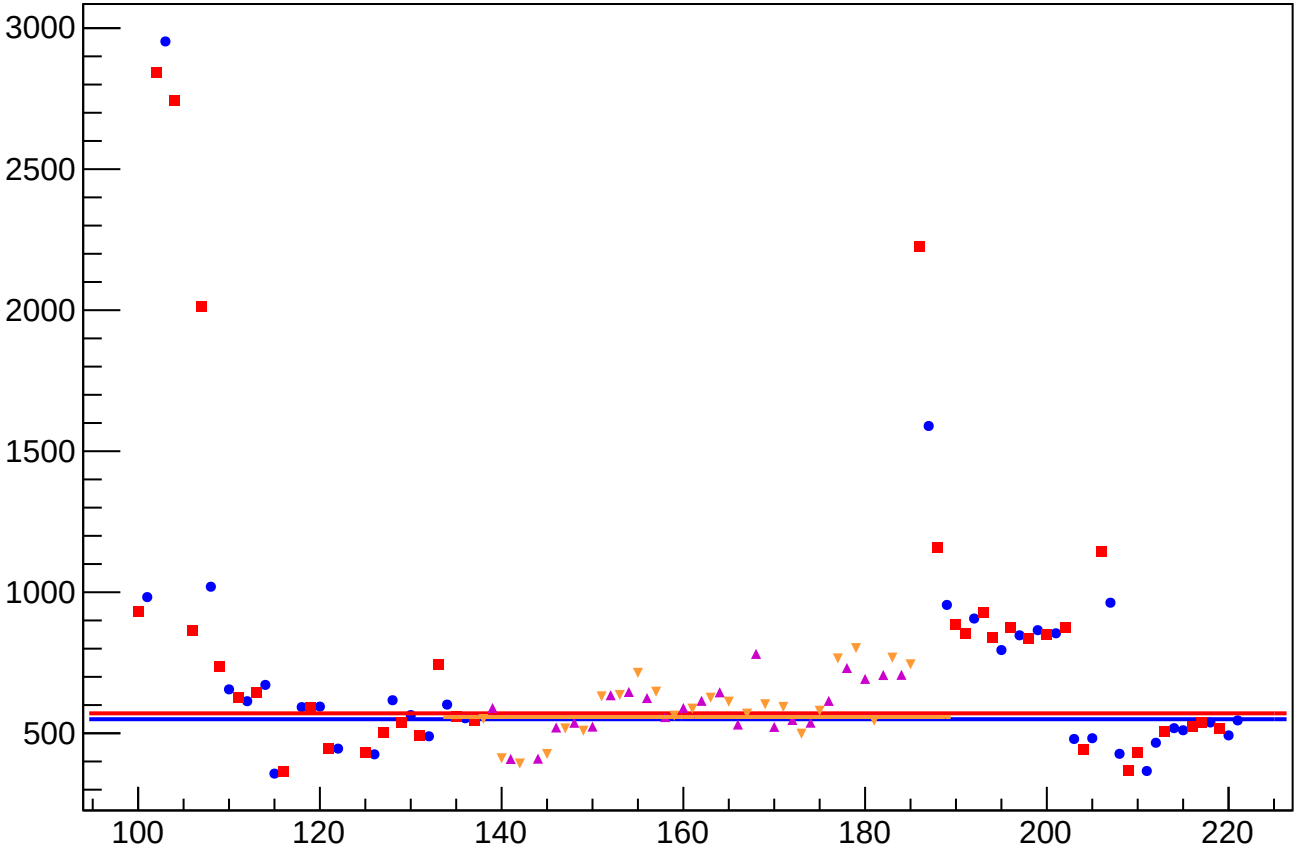
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -757.427+/-90.442 χ^2/NDF: 135.0/57

All: -755.151+/-65.220 χ^2/NDF: 379.3/116

- sign -752.685+/-94.138 χ^2/NDF: 244.3/58

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 549.808+/-0.088 χ^2/NDF: 3934867.9/33

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 570.667+/-0.095 χ^2/NDF: 5888323.7/35

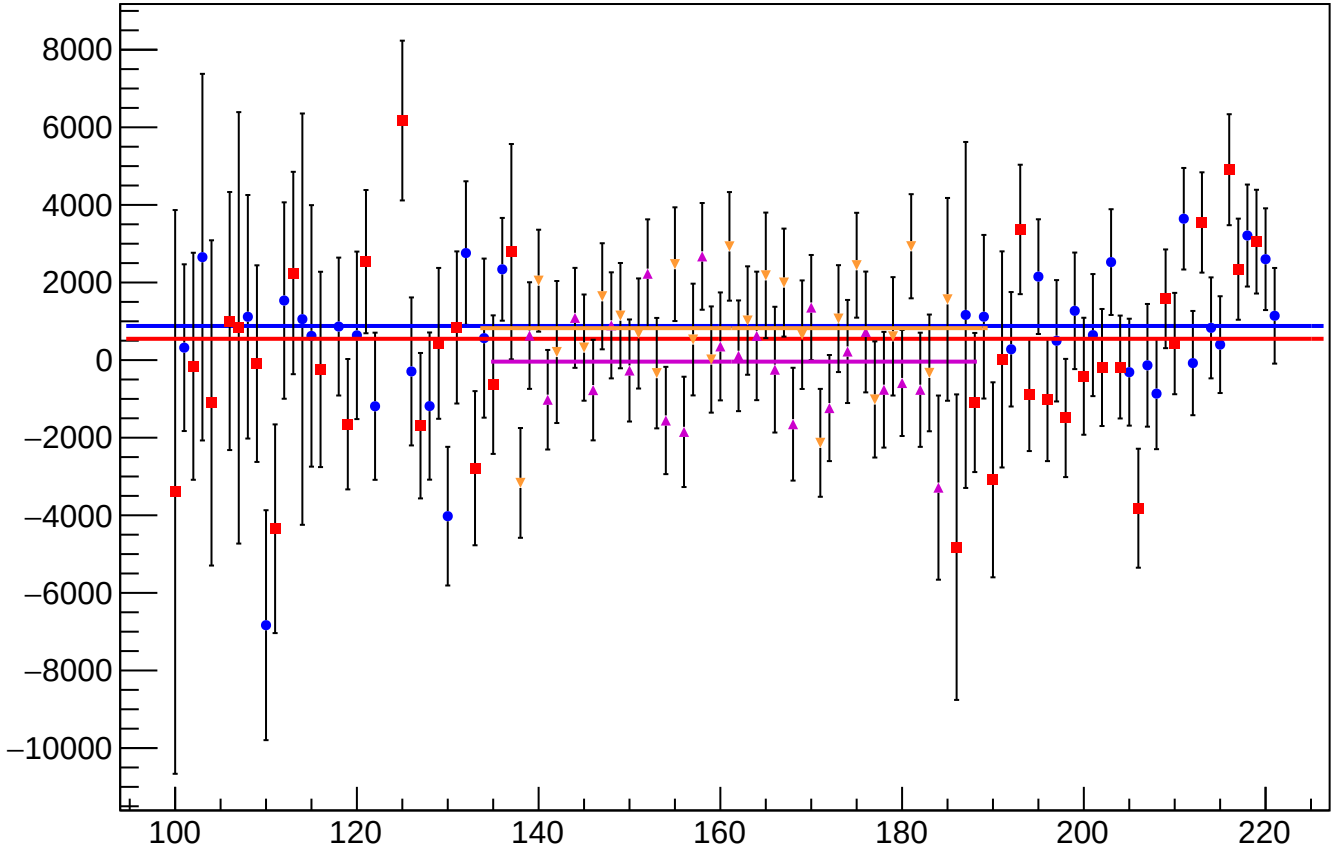
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 553.461+/-0.064 χ^2/NDF: 5131848.2/57

All: 558.748+/-0.046 χ^2/NDF: 12070740.2/11

- sign 564.476+/-0.067 χ^2/NDF: 6924653.3/58

asym_usl_atl1_dd_mean vs Slug



Right In: 879.720+/-287.208 χ^2/NDF: 34.8/33

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 549.039+/-302.228 χ^2/NDF: 61.4/35

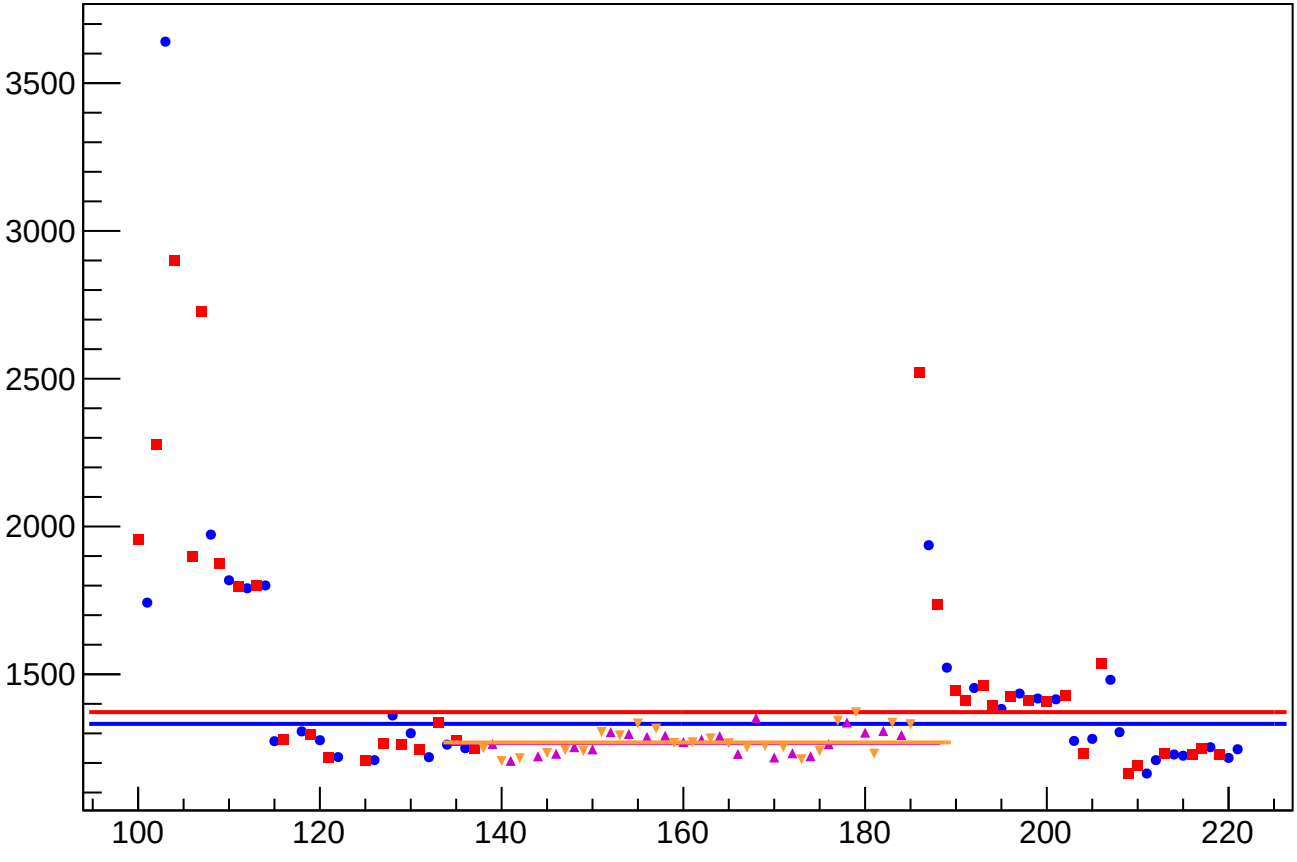
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

\+ sign 852.259+/-205.730 χ^2/NDF: 61.0/57

All: 558.712+/-147.462 χ^2/NDF: 146.4/116

\- sign 248.548+/-211.473 χ^2/NDF: 81.2/58

asym_usl_atl1_dd_rms vs Slug



Right In: 1332.245+/-0.203 χ^2/NDF: 1028706.9/33

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

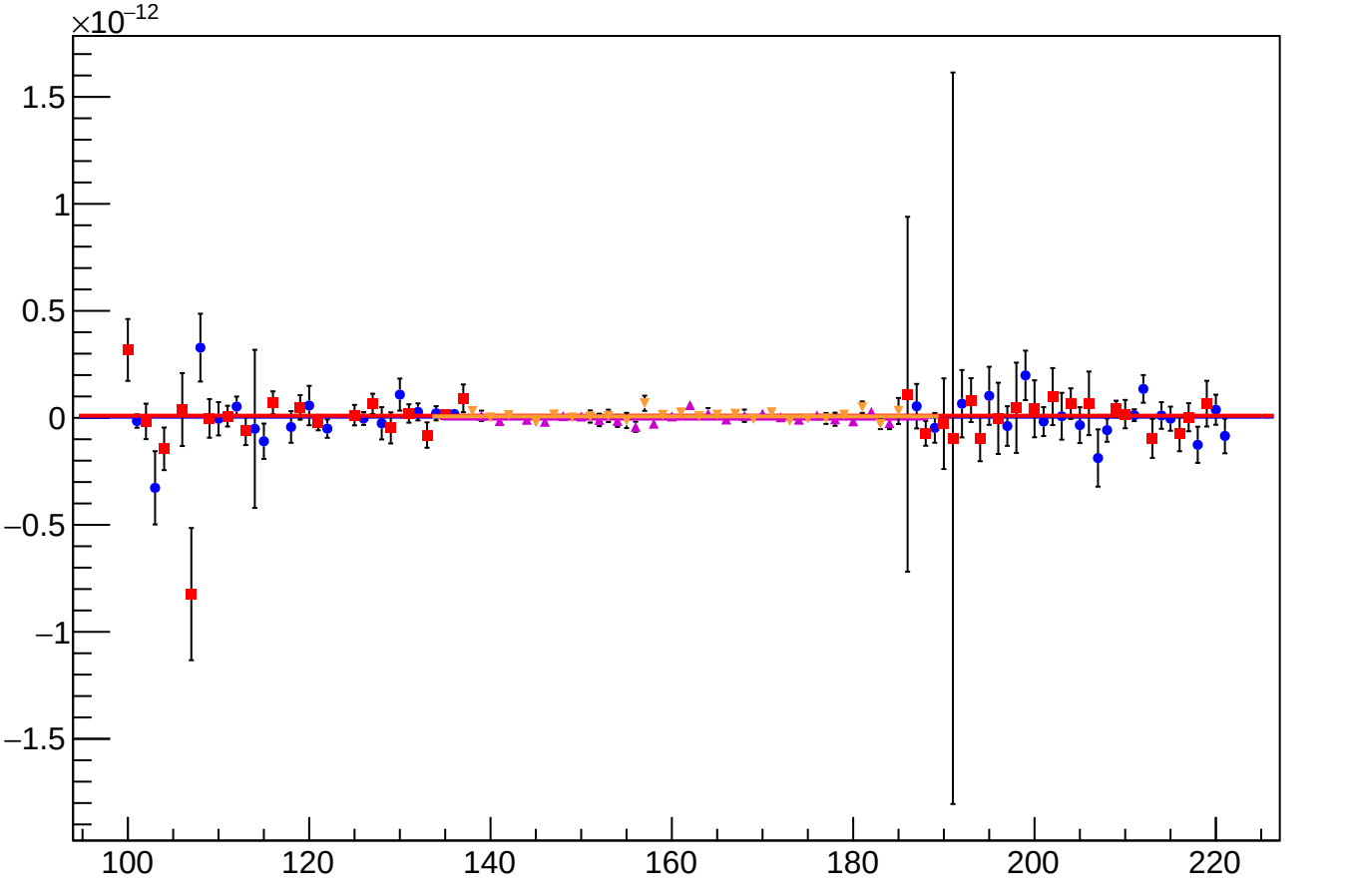
Right Out: 1372.022+/-0.214 χ^2/NDF: 1374547.8/35

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1301.666+/-0.145 χ^2/NDF: 1118311.9/57

All: 1309.828+/-0.104 χ^2/NDF: 2656988.3/11

- sign 1318.452+/-0.150 χ^2/NDF: 1532201.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

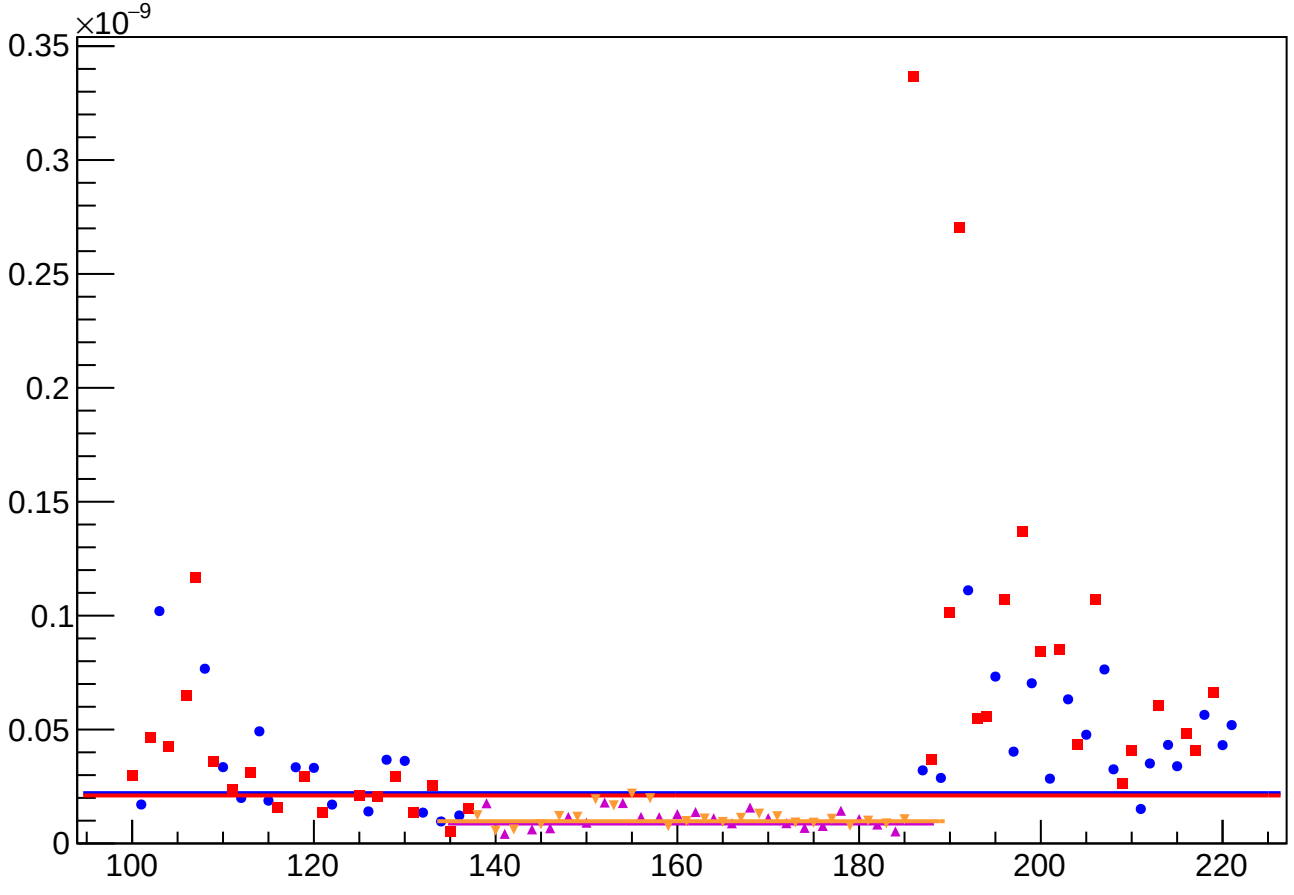
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/35

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.9/57

All: 0.000+/-0.000 χ^2/NDF: 112.9/116

- sign -0.000+/-0.000 χ^2/NDF: 57.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 5663764.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8531492.5/35

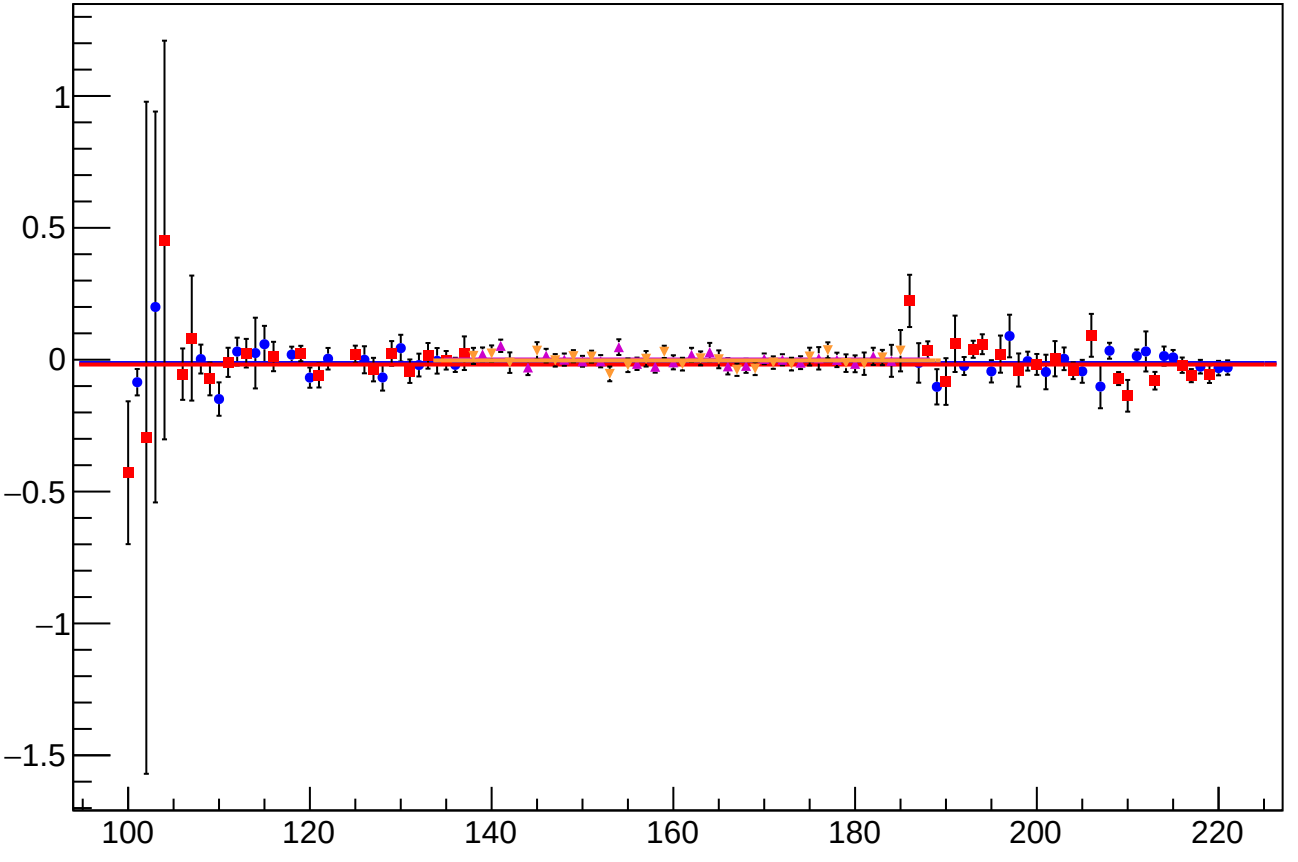
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10210963.8/57

All: 0.000+/-0.000 χ^2/NDF: 23789402.9/116

- sign 0.000+/-0.000 χ^2/NDF: 13427468.3/58

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

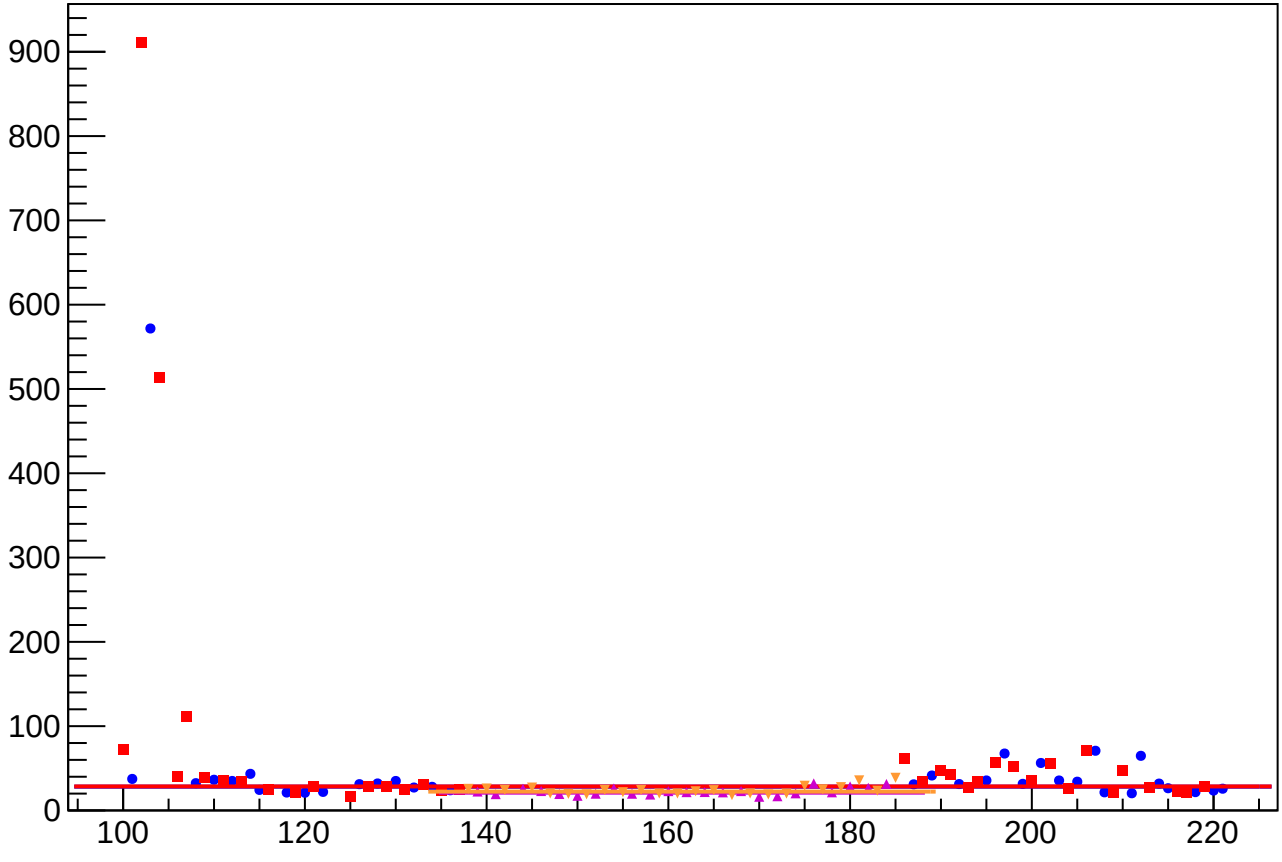
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.6/116

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215358.4/33

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

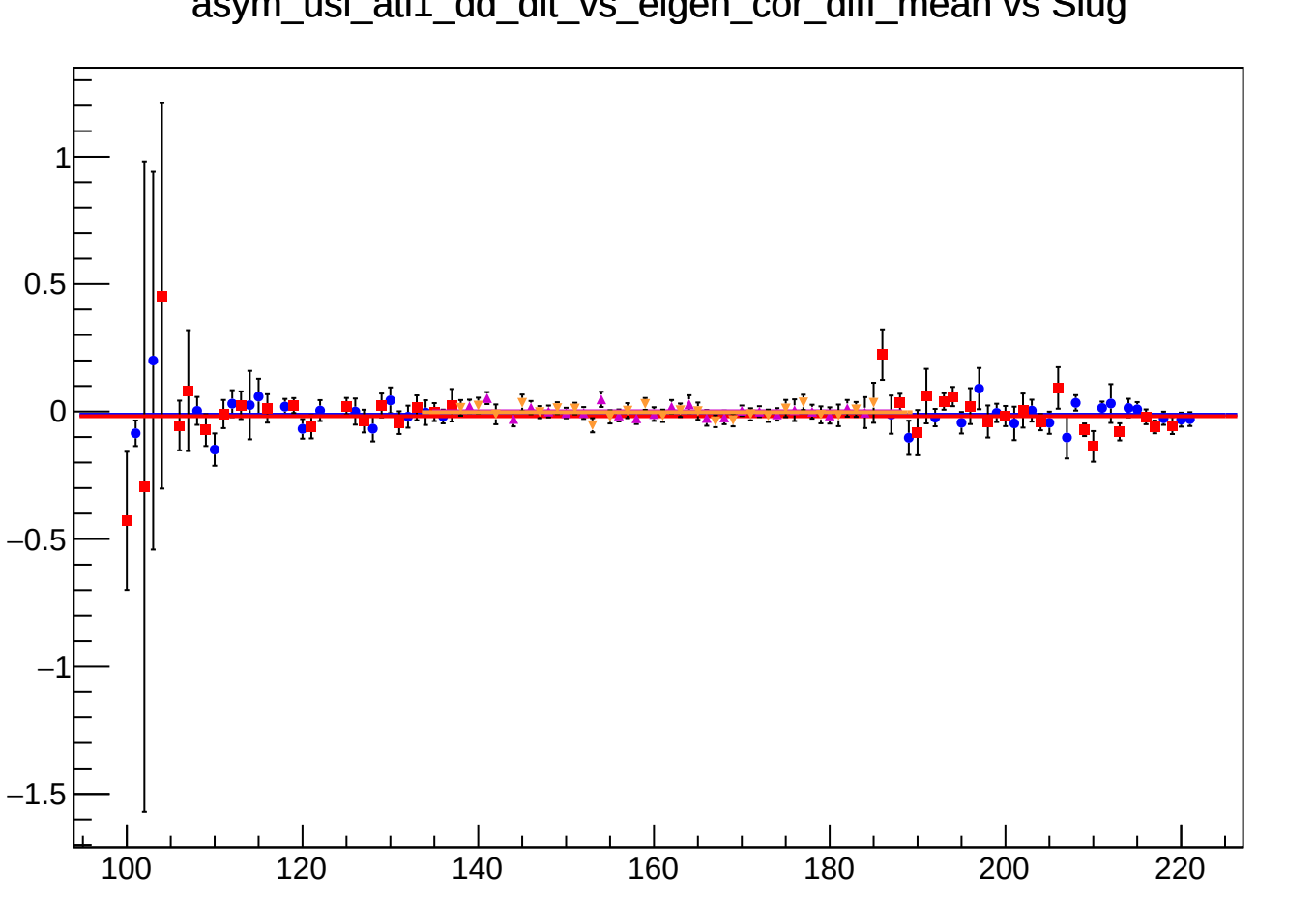
Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF: 5884533.4/57

All: 24.221+/-0.002 χ^2/NDF: 13392404.8/116

- sign 23.739+/-0.003 χ^2/NDF: 7459430.8/58



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

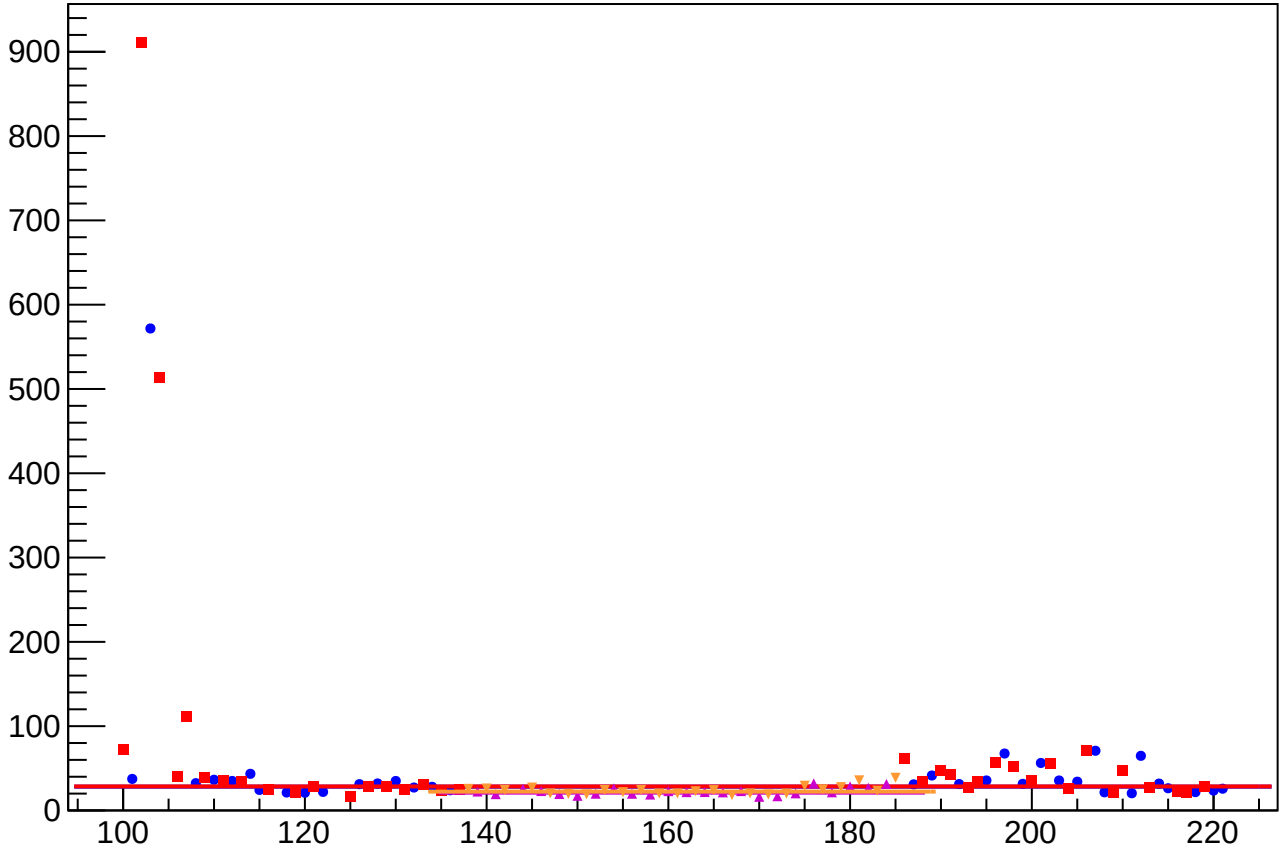
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.6/116

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215358.4/33

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

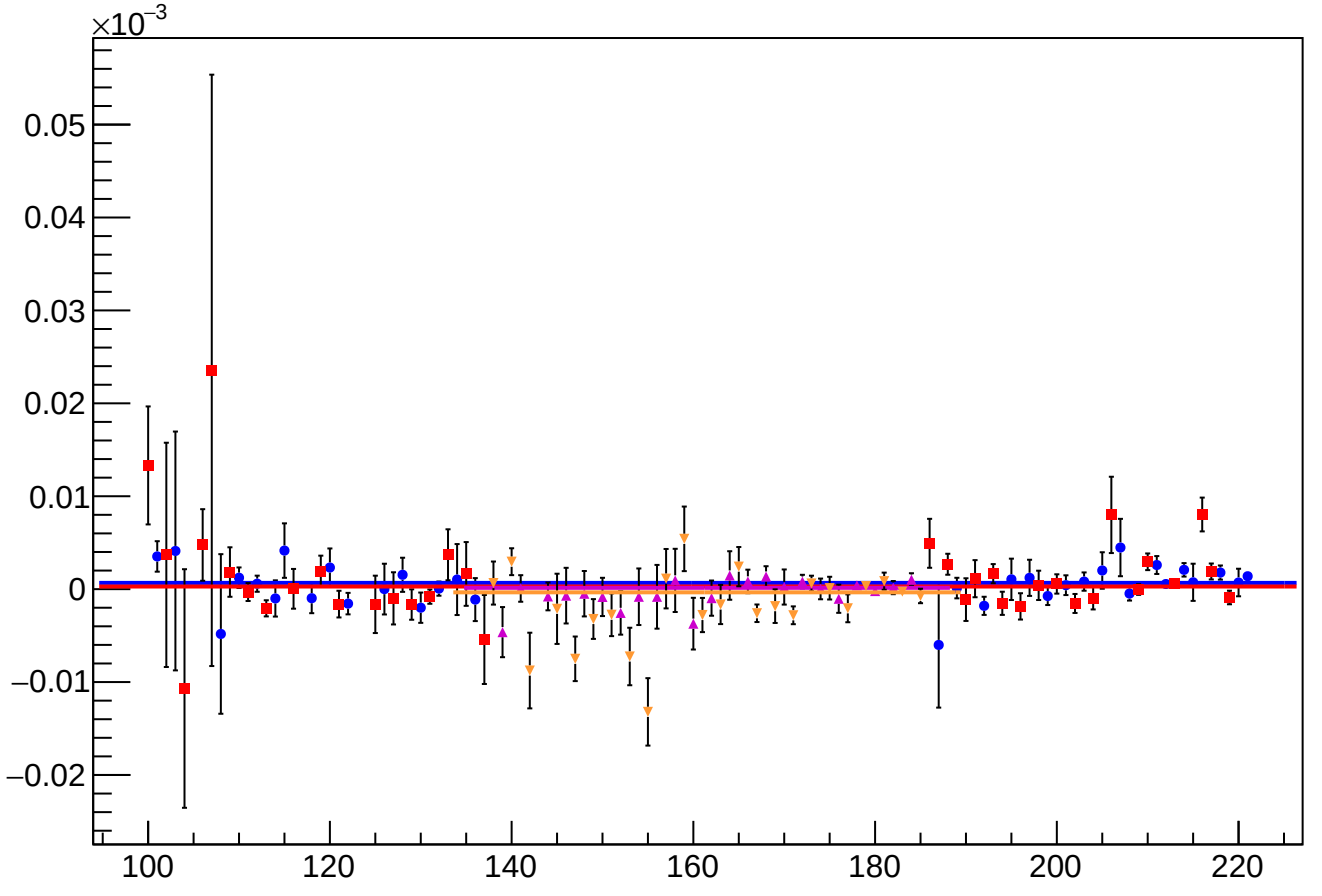
Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.706+/-0.003 χ^2/NDF: 5884533.4/57

All: 24.221+/-0.002 χ^2/NDF: 13392404.8/116

- sign 23.739+/-0.003 χ^2/NDF: 7459430.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 81.1/35

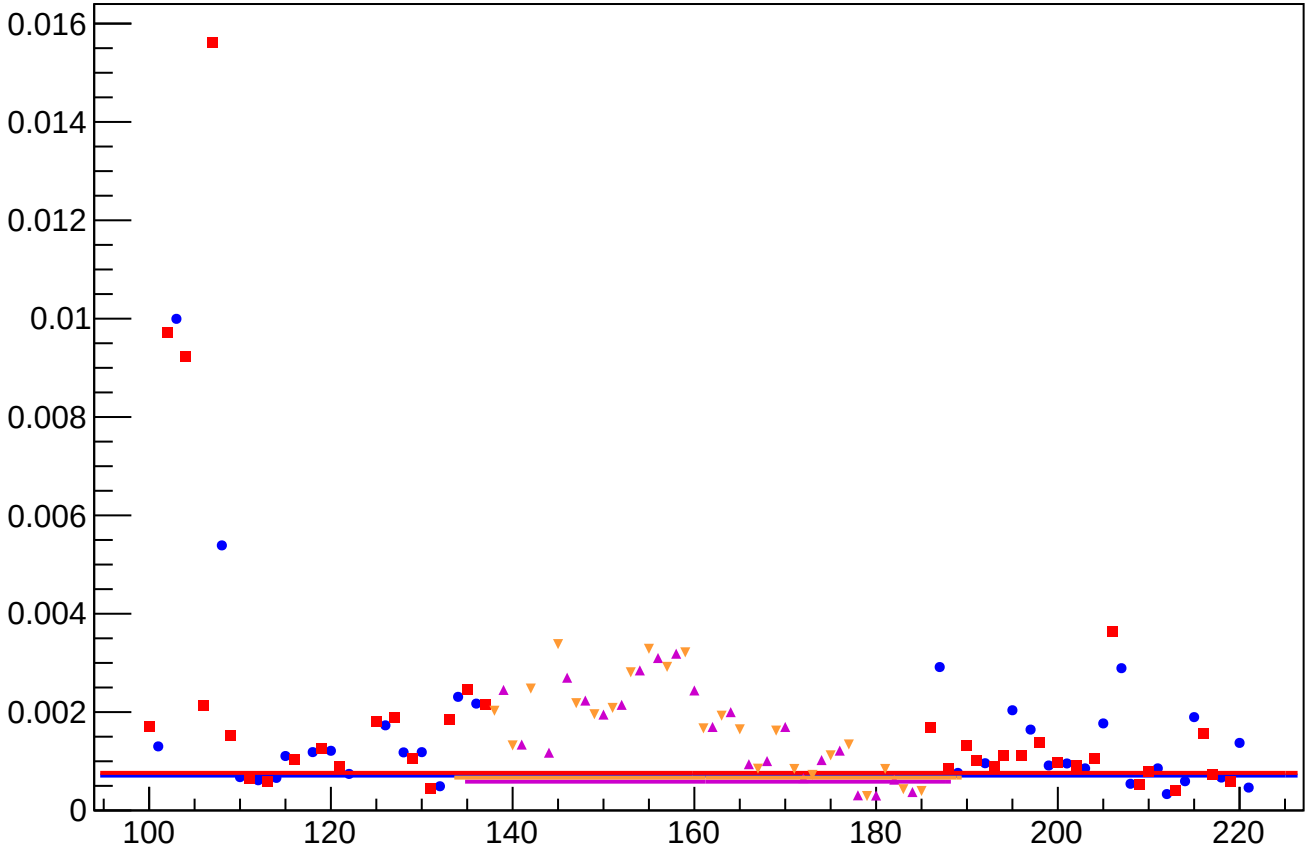
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

\+ sign 0.000+/-0.000 χ^2/NDF: 123.3/57

All: 0.000+/-0.000 χ^2/NDF: 218.9/116

\- sign 0.000+/-0.000 χ^2/NDF: 95.6/58

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10953512.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

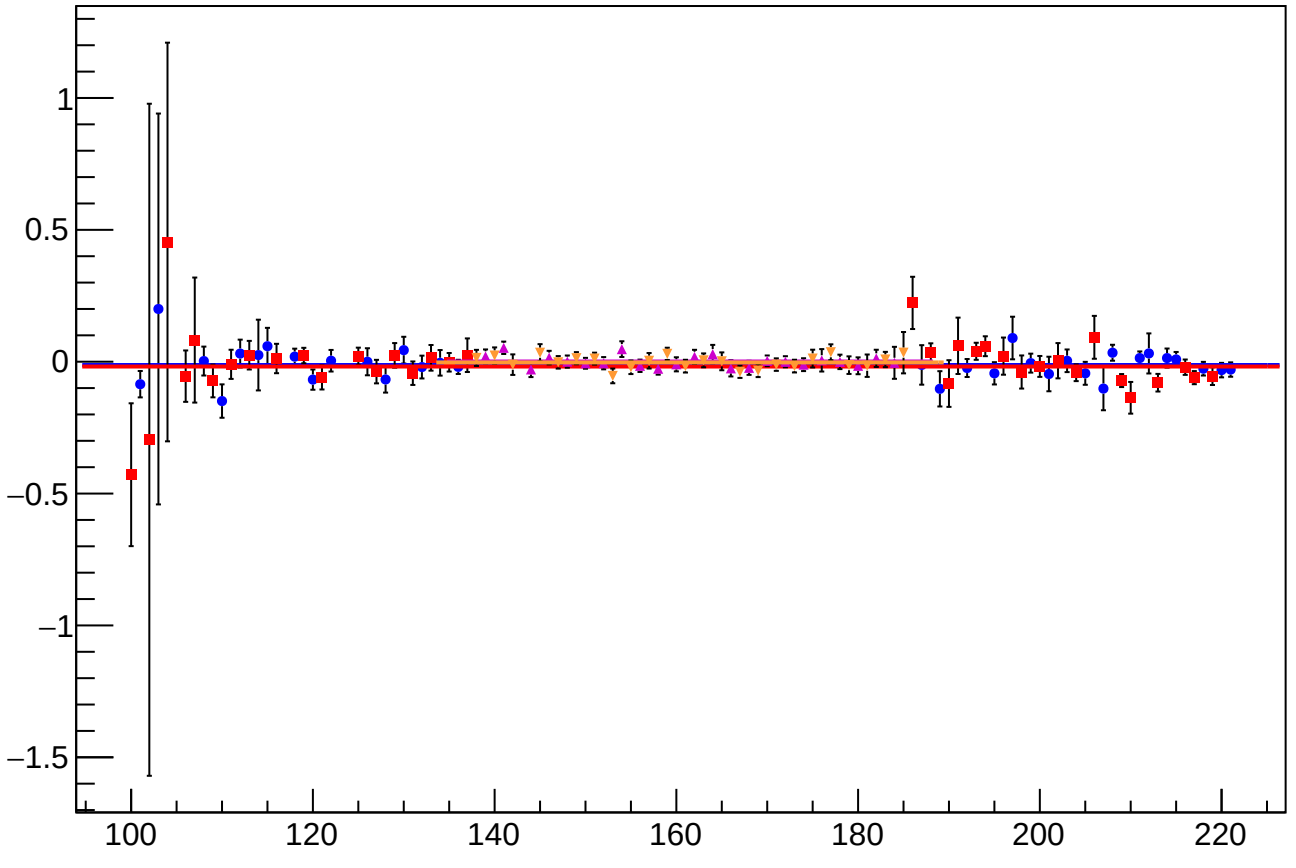
Right Out: 0.001+/-0.000 χ^2/NDF: 9317006.0/35

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 26373298.9/57

All: 0.001+/-0.000 χ^2/NDF: 52217515.7/116

- sign 0.001+/-0.000 χ^2/NDF: 25817891.5/58



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

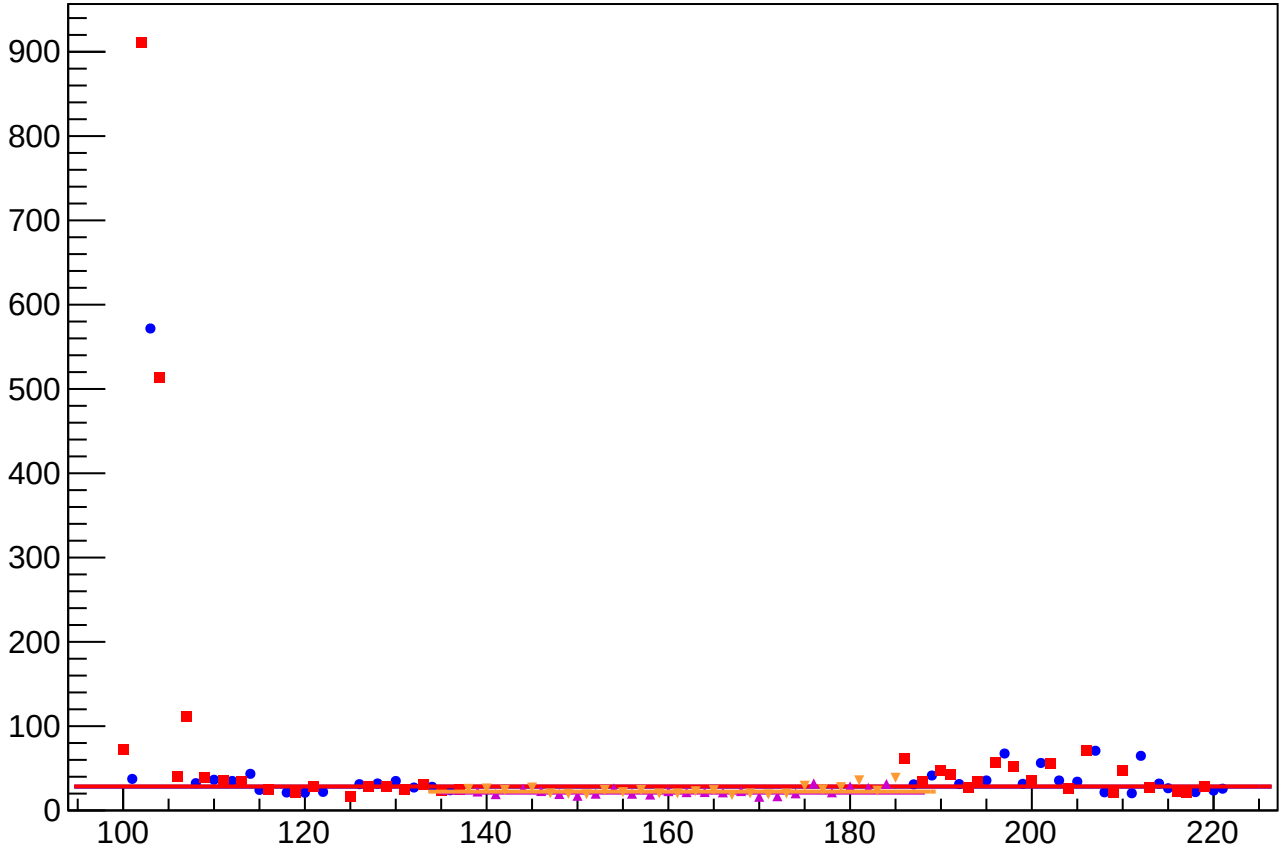
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.6/116

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.218+/-0.005 χ^2/NDF: 4215398.2/33

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

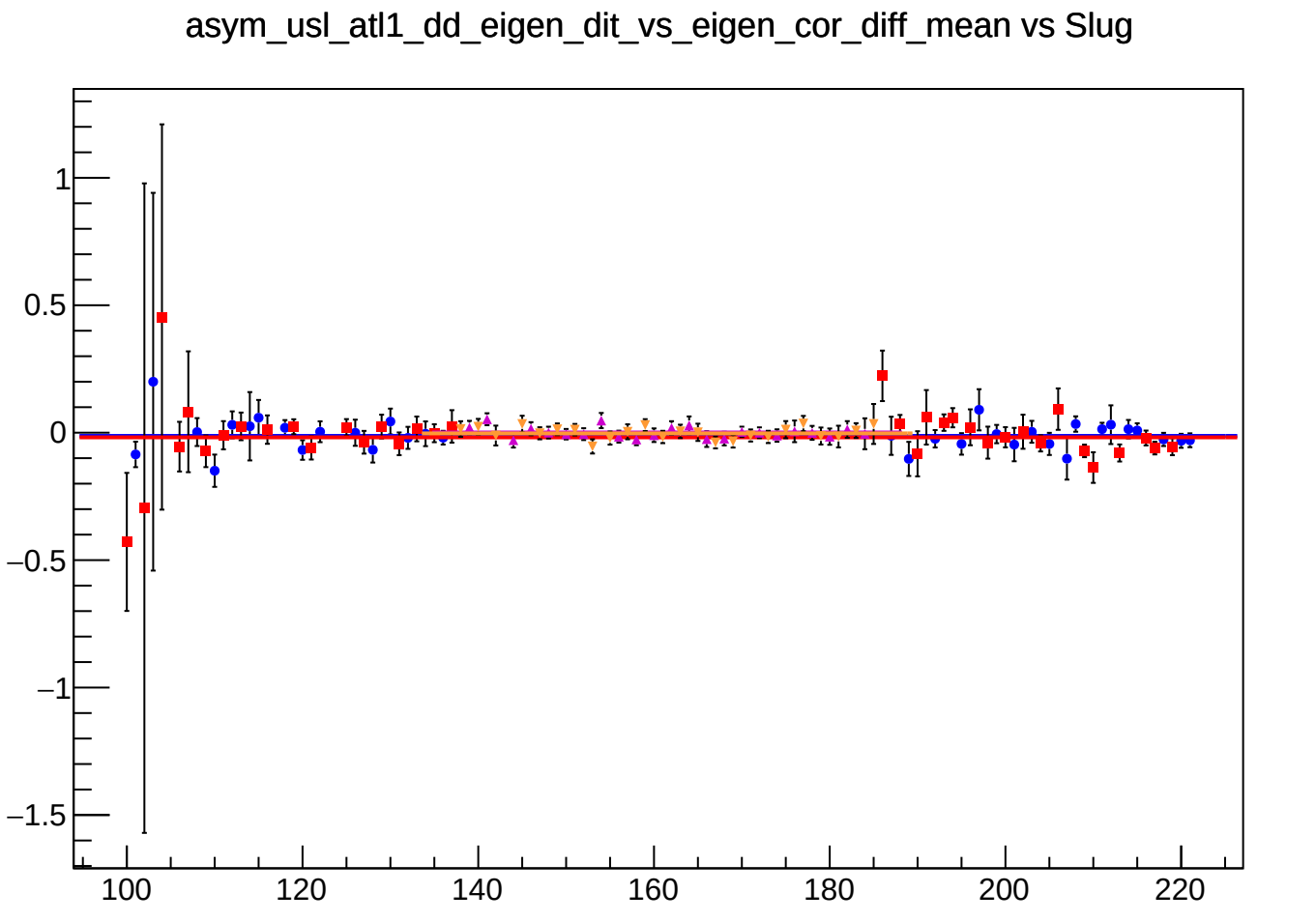
Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.706+/-0.003 χ^2/NDF: 5884577.0/57

All: 24.221+/-0.002 χ^2/NDF: 13392553.0/116

- sign 23.739+/-0.003 χ^2/NDF: 7459533.8/58



Right In: -0.013+/-0.007 χ^2/NDF: 27.0/33

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

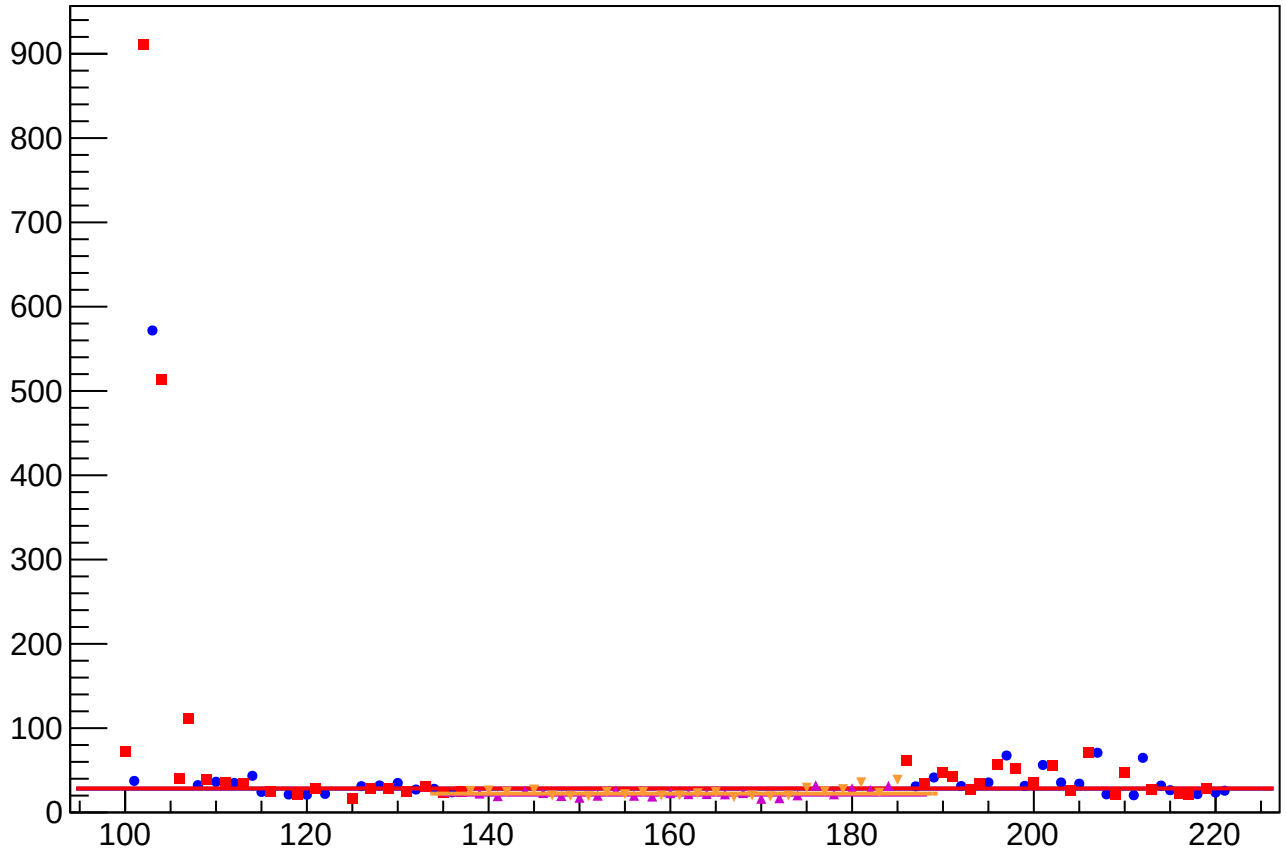
Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.004 χ^2/NDF: 44.6/57

All: -0.006+/-0.003 χ^2/NDF: 110.6/116

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58



Right In: 28.218+/-0.005 χ^2/NDF: 4215398.2/33

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

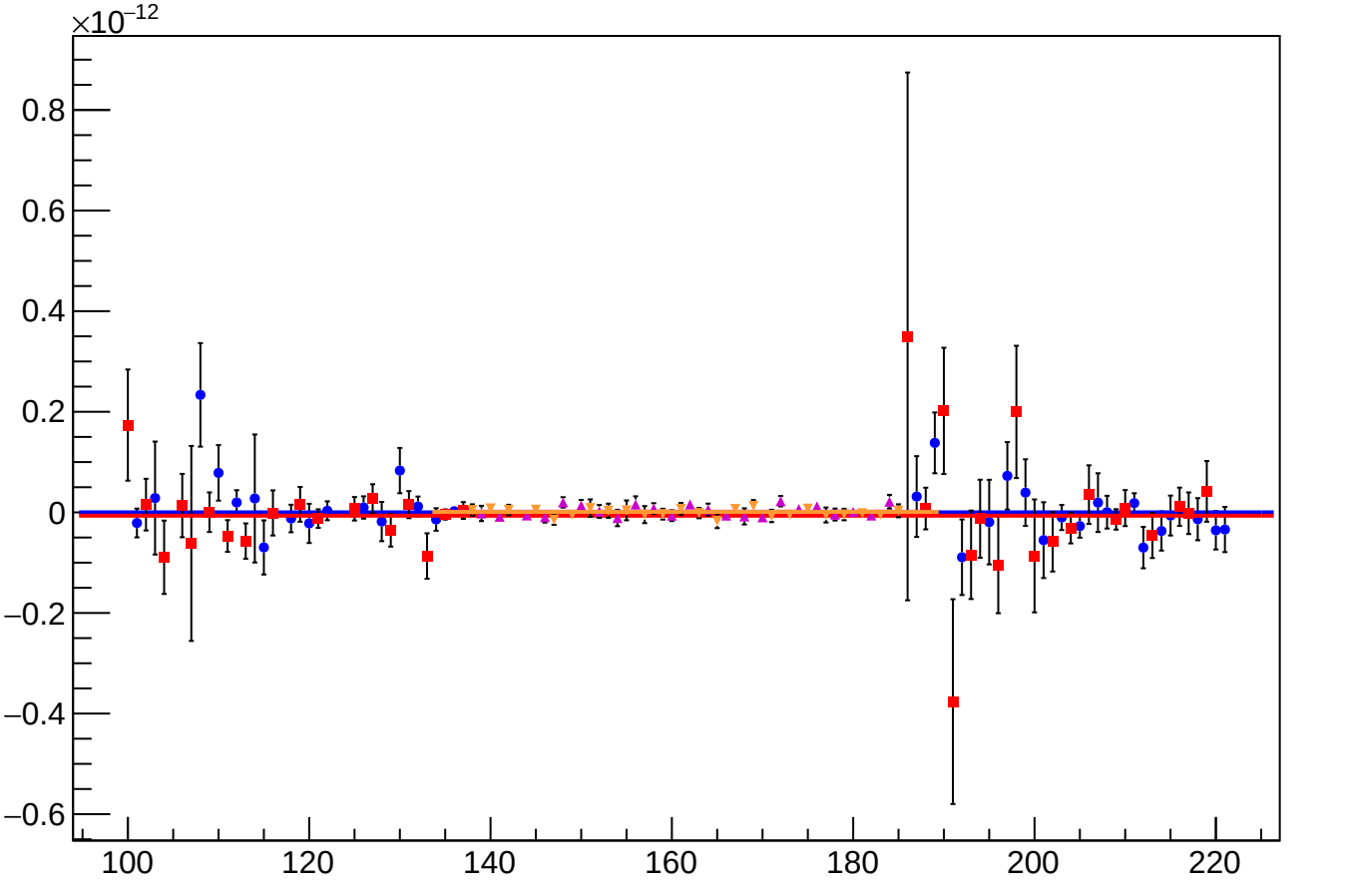
Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.706+/-0.003 χ^2/NDF: 5884577.0/57

All: 24.221+/-0.002 χ^2/NDF: 13392553.0/116

- sign 23.739+/-0.003 χ^2/NDF: 7459533.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

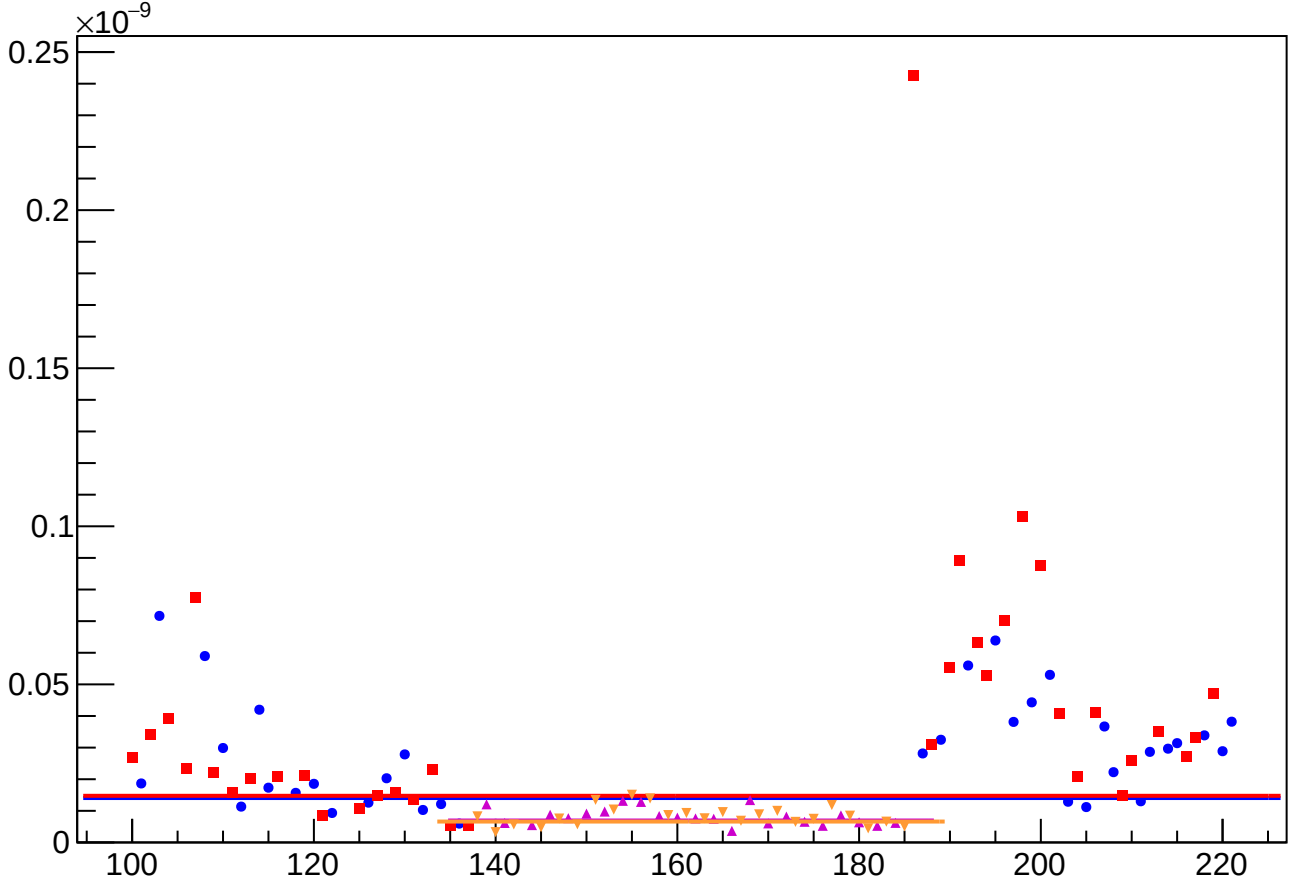
Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/35

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/57

All: 0.000+/-0.000 χ^2/NDF: 102.1/116

- sign 0.000+/-0.000 χ^2/NDF: 58.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 9111051.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11038035.9/35

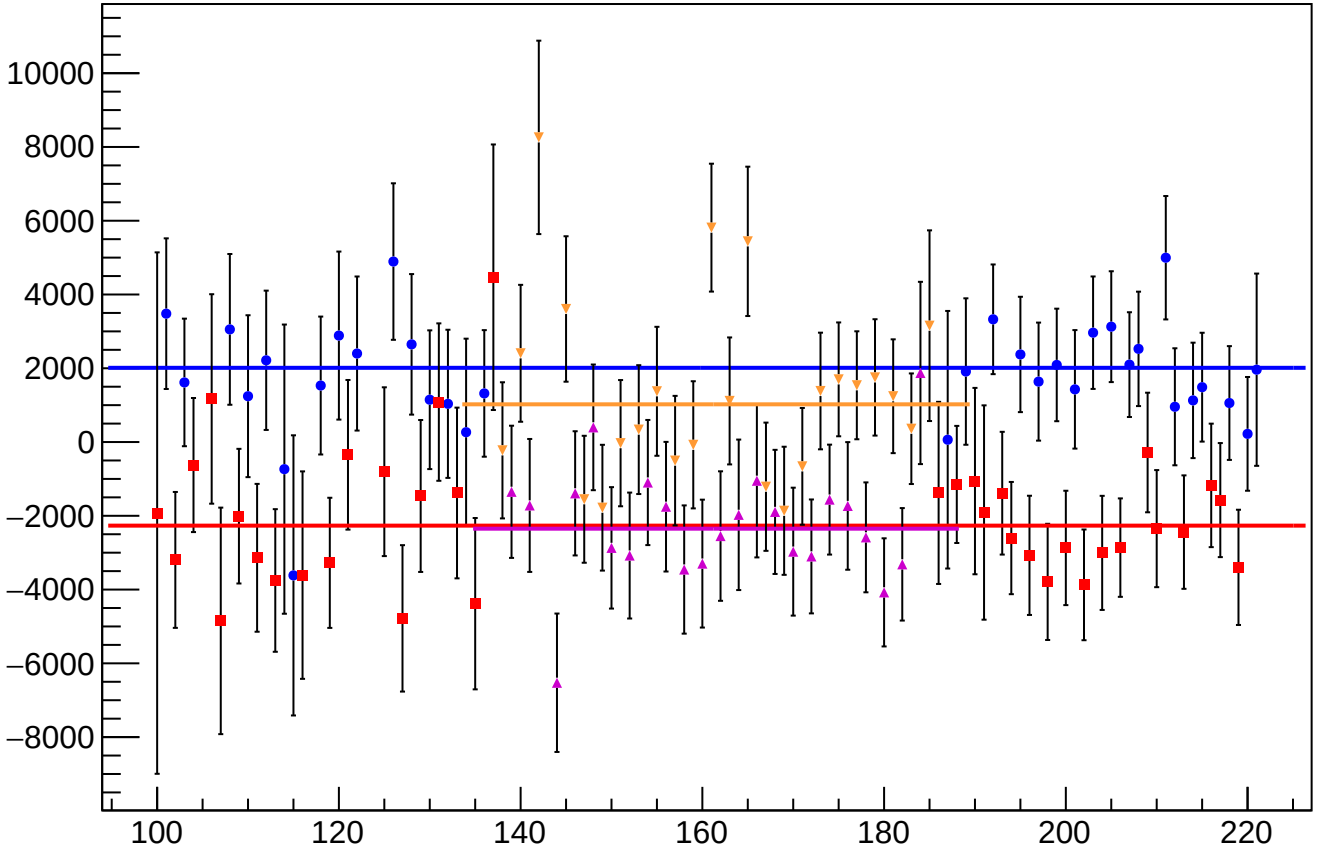
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 16609843.6/57

All: 0.000+/-0.000 χ^2/NDF: 33726979.8/116

- sign 0.000+/-0.000 χ^2/NDF: 17098711.3/58

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2012.298+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2266.520+/-310.923 χ^2/NDF: 21.4/35

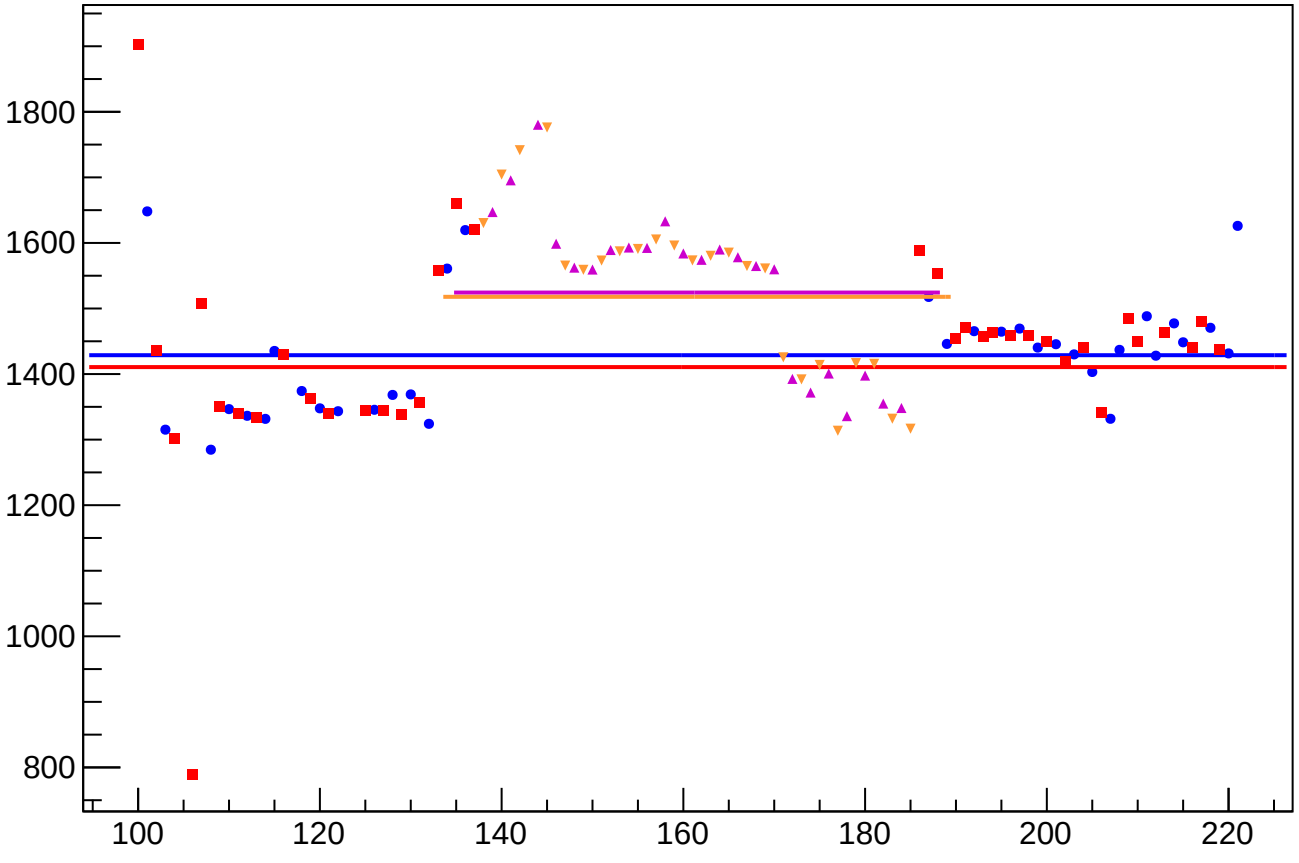
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.432+/-232.675 χ^2/NDF: 56.0/57

All: -344.314+/-165.162 χ^2/NDF: 231.8/116

- sign -2302.171+/-234.485 χ^2/NDF: 37.4/58

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.774+/-0.219 χ^2/NDF: 133832.7/33

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1410.633+/-0.217 χ^2/NDF: 415417.9/35

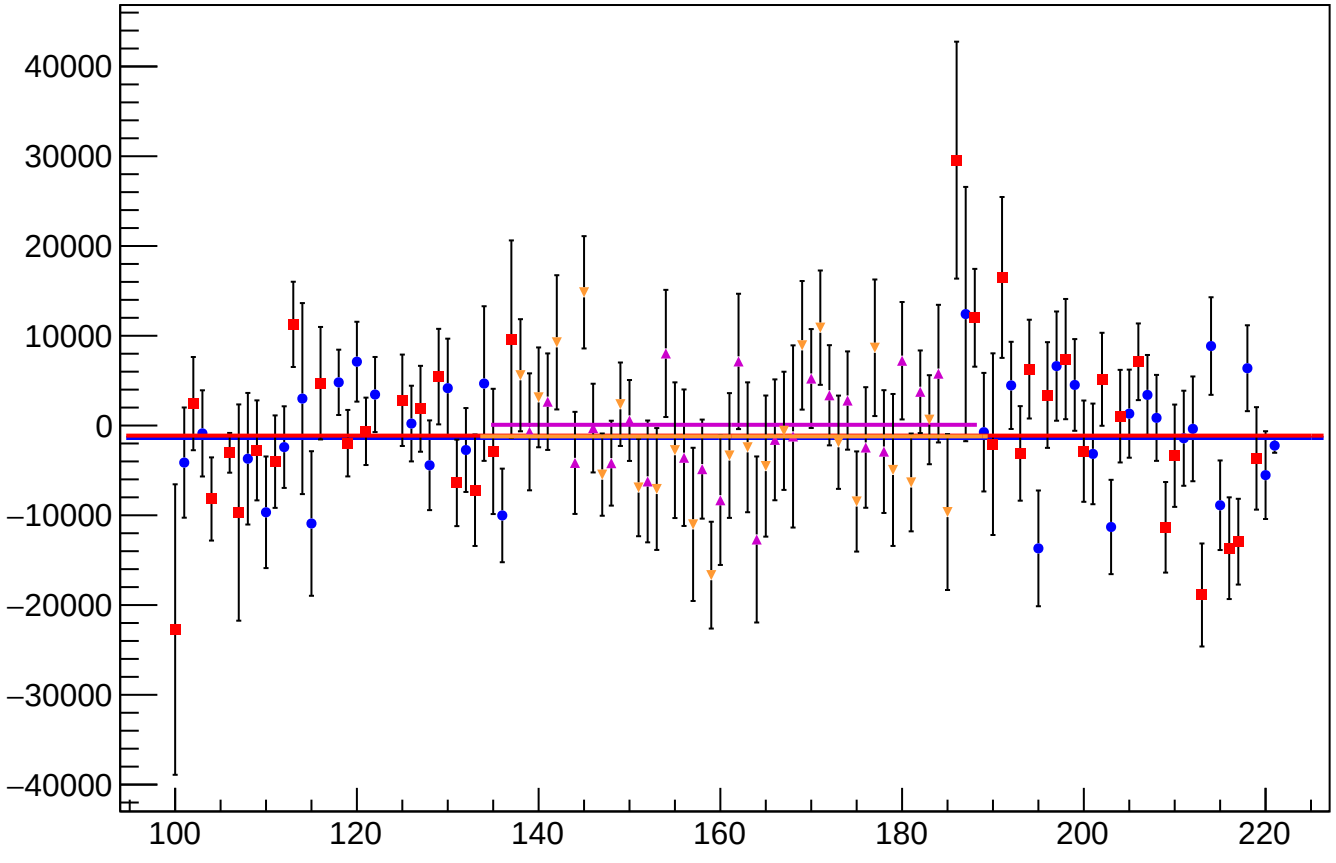
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.358+/-0.165 χ^2/NDF: 439712.7/57

All: 1463.189+/-0.116 χ^2/NDF: 1197190.8/11

- sign 1459.011+/-0.165 χ^2/NDF: 756192.4/58

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -1389.375+/-603.604 χ^2/NDF: 41.2/33

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -1123.519+/-861.819 χ^2/NDF: 69.4/35

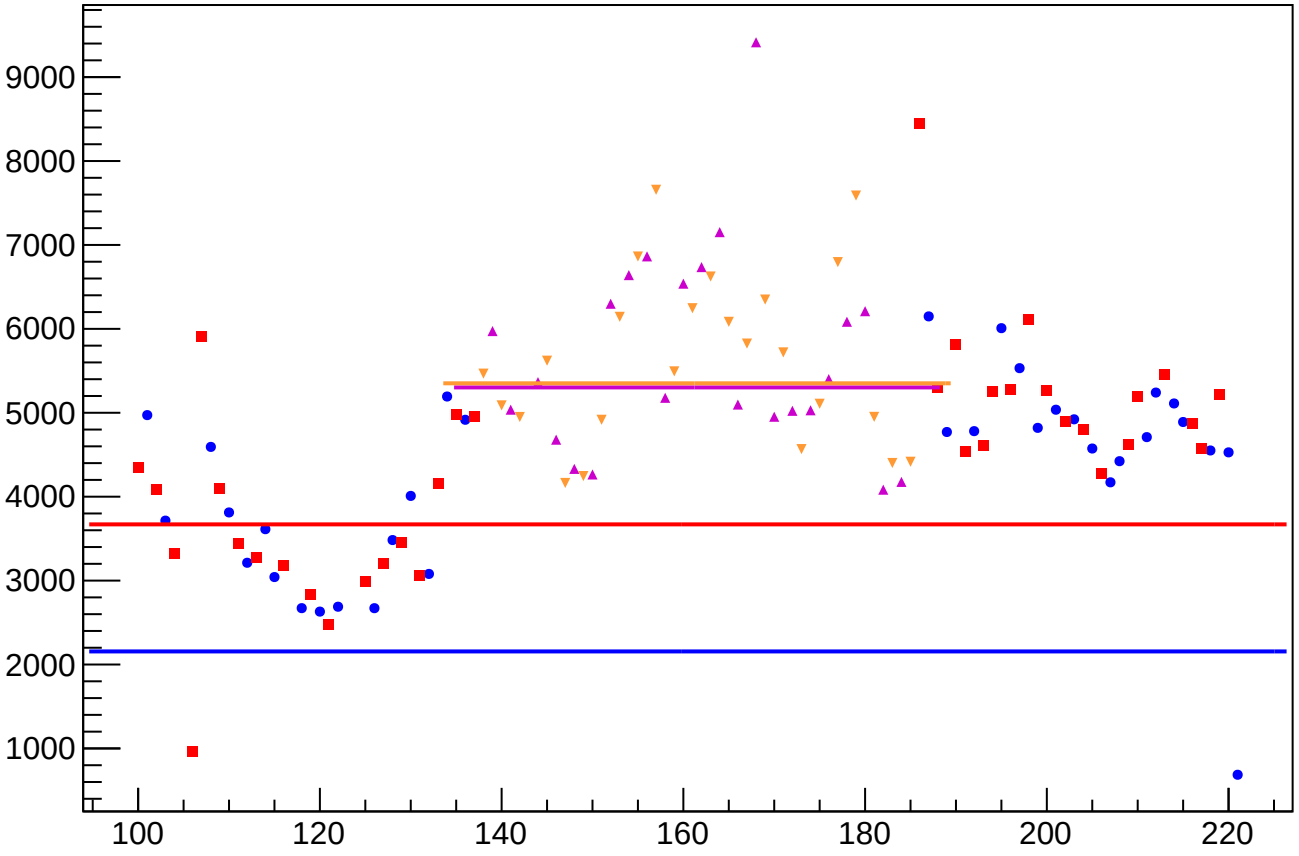
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -1356.600+/-545.029 χ^2/NDF: 74.5/57

All: -1129.373+/-432.811 χ^2/NDF: 158.2/116

- sign -741.471+/-712.117 χ^2/NDF: 83.2/58

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 2156.075+/-0.427 χ^2/NDF: 17832618.1/33

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3670.142+/-0.609 χ^2/NDF: 5935042.9/35

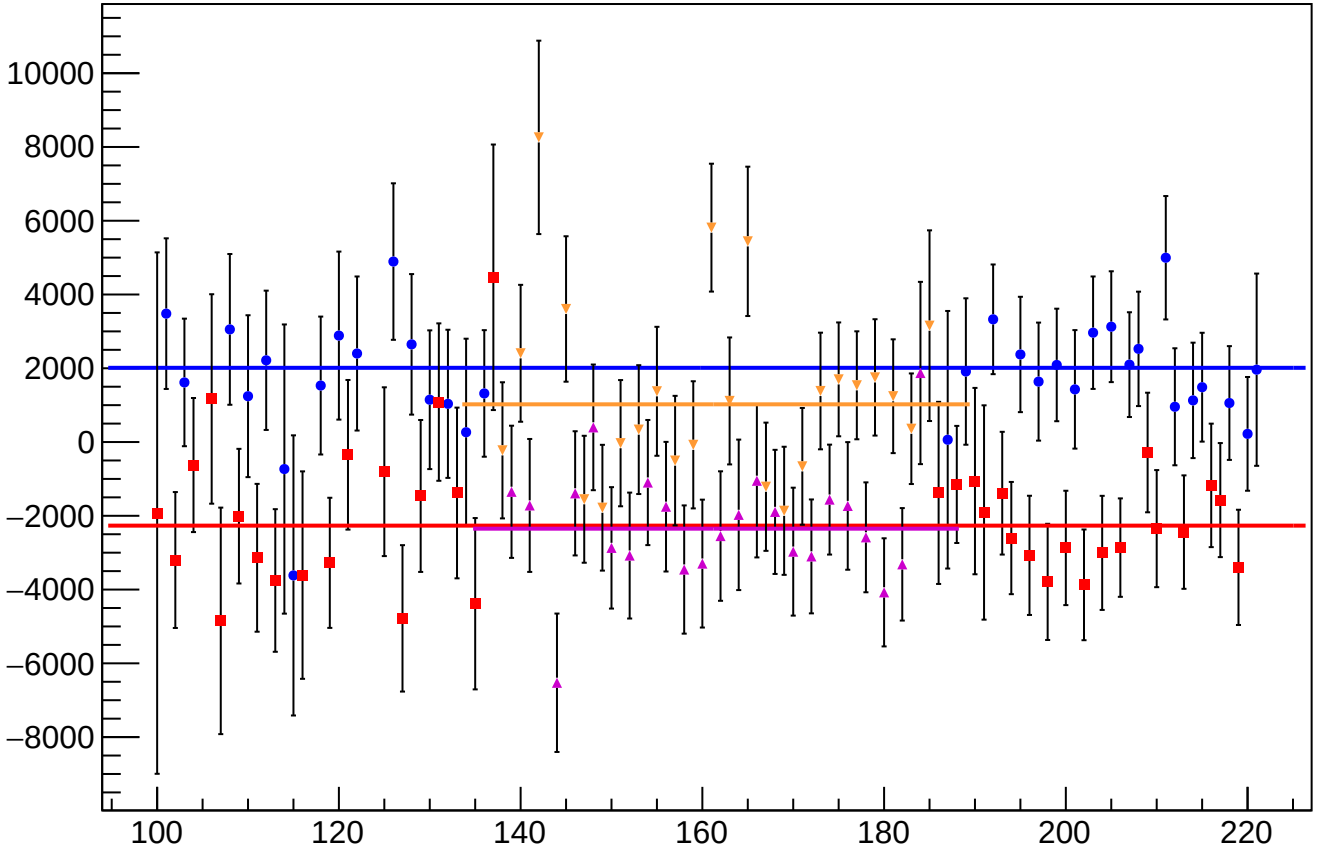
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 2746.090+/-0.385 χ^2/NDF: 29246919.1/57

All: 3278.685+/-0.306 χ^2/NDF: 43883614.0/1

- sign 4187.887+/-0.504 χ^2/NDF: 9466681.1/58

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2012.279+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2266.586+/-310.924 χ^2/NDF: 21.4/35

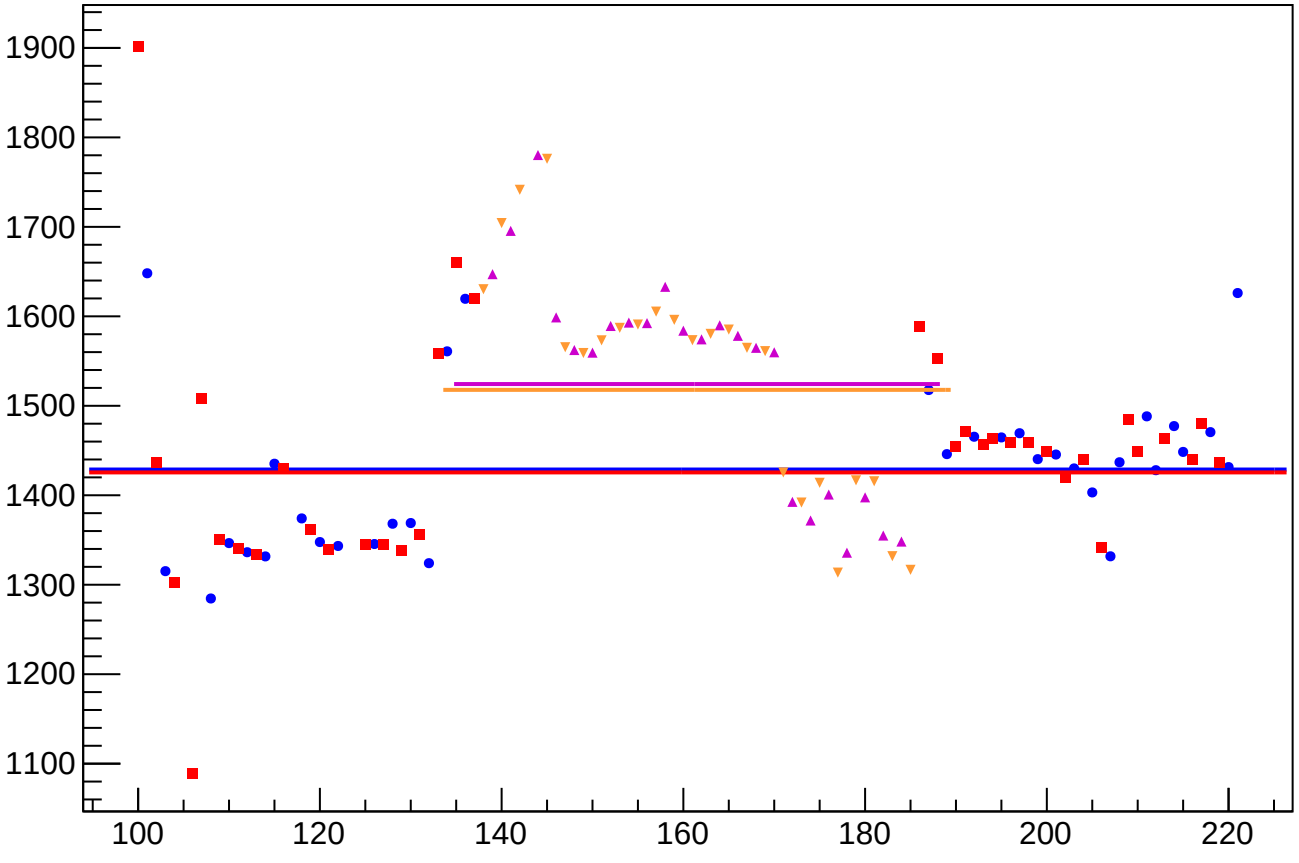
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.435+/-232.675 χ^2/NDF: 56.0/57

All: -344.328+/-165.162 χ^2/NDF: 231.8/116

- sign -2302.207+/-234.485 χ^2/NDF: 37.4/58

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.774+/-0.219 χ^2/NDF: 133832.7/33

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

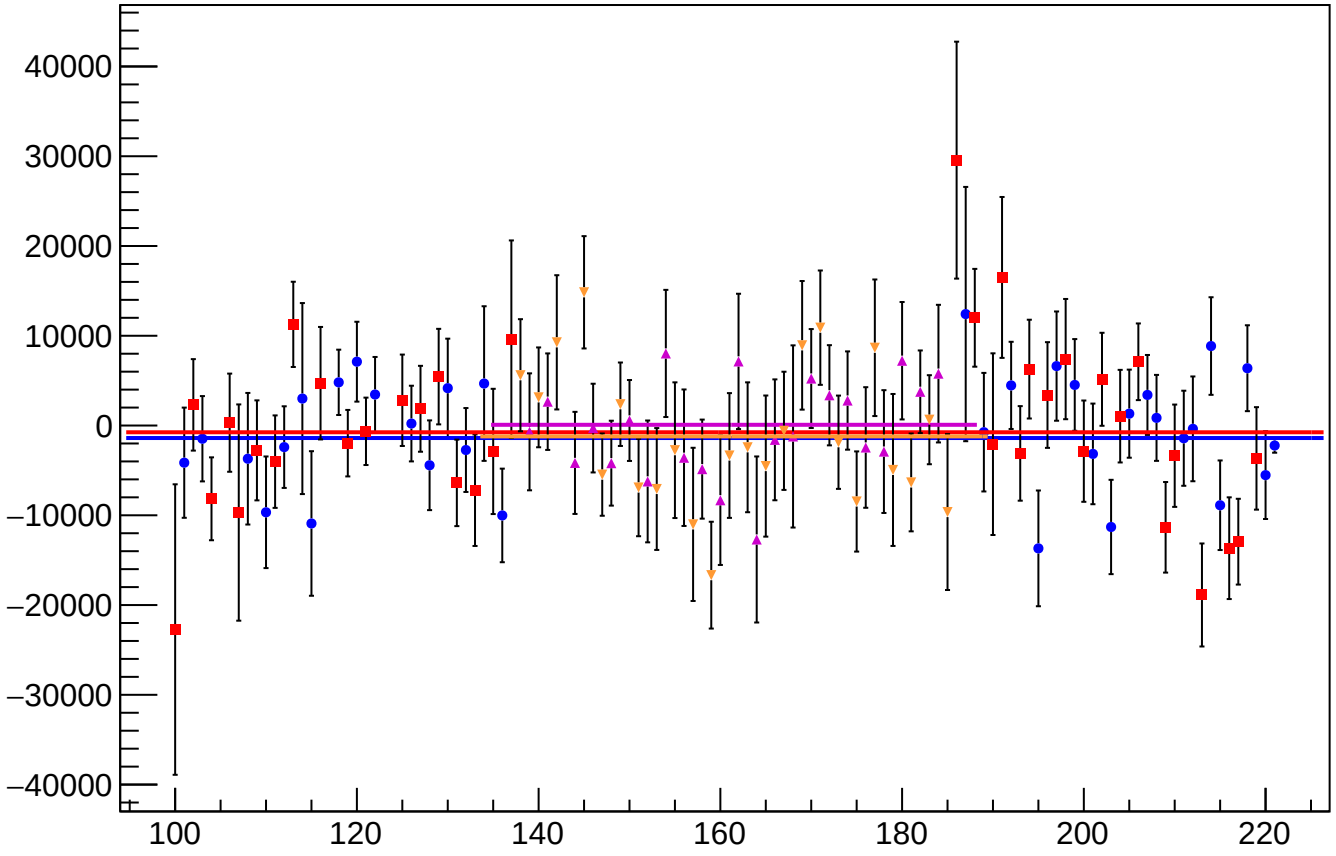
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.358+/-0.165 χ^2/NDF: 439712.8/57

All: 1467.630+/-0.117 χ^2/NDF: 925744.0/116

- sign 1467.904+/-0.165 χ^2/NDF: 486025.7/58

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -1392.790+/-603.866 χ^2/NDF: 41.2/33

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -752.085+/-921.513 χ^2/NDF: 68.5/35

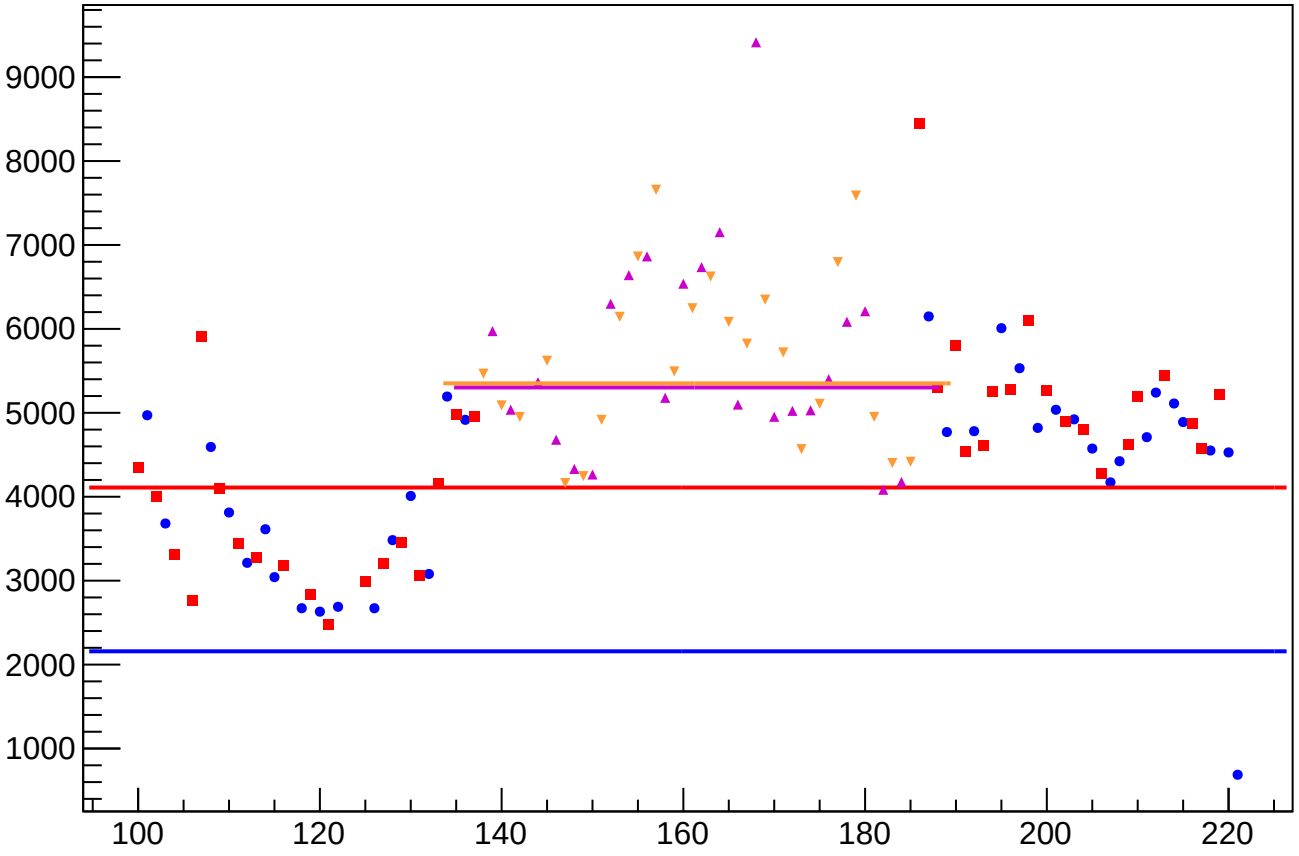
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -1359.360+/-545.223 χ^2/NDF: 74.5/57

All: -1046.617+/-439.921 χ^2/NDF: 157.4/116

- sign -463.169+/-744.699 χ^2/NDF: 82.0/58

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 2158.399+/-0.427 χ^2/NDF: 17803897.8/33

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

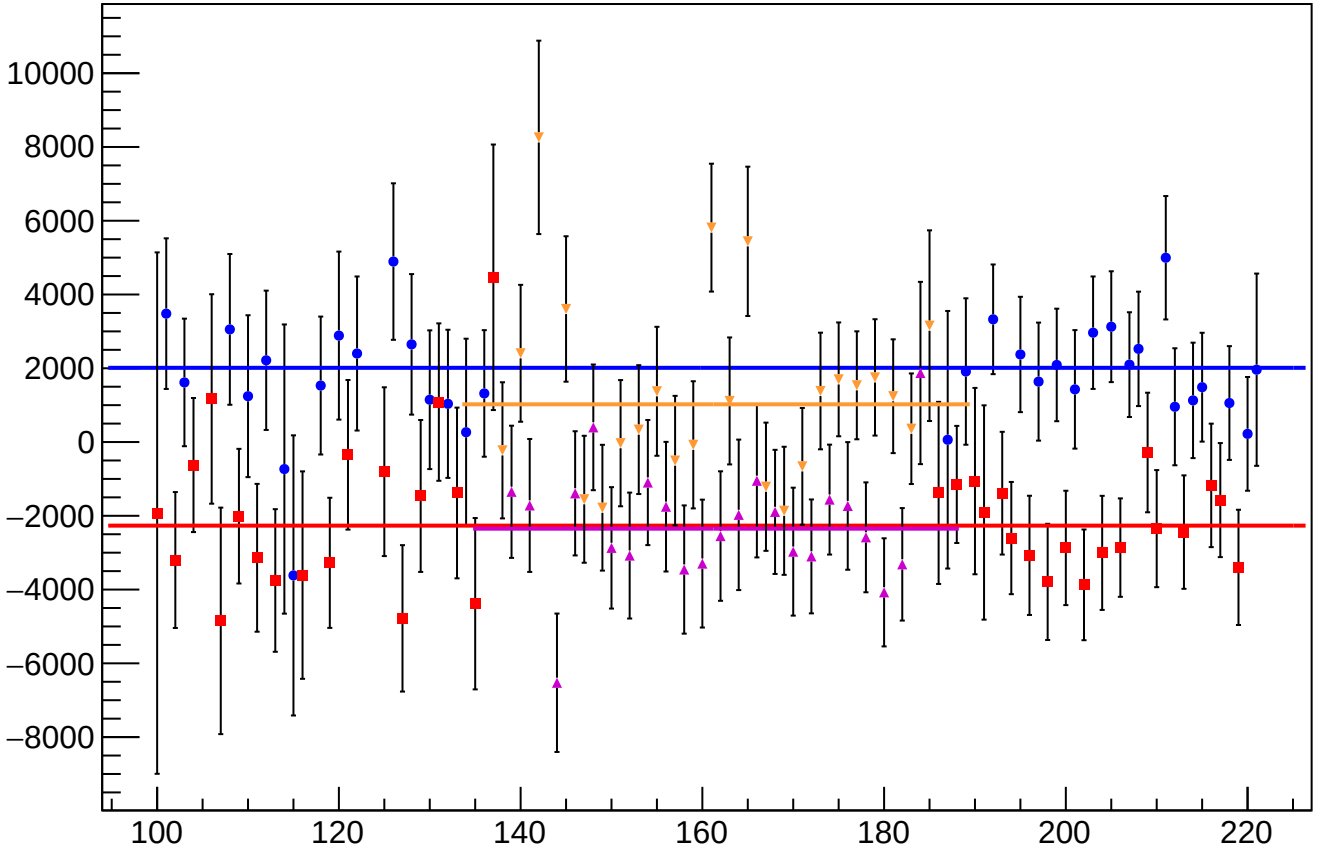
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 2748.403+/-0.386 χ^2/NDF: 29201504.7/57

All: 3367.837+/-0.311 χ^2/NDF: 41571565.5/1

- sign 4523.442+/-0.527 χ^2/NDF: 4972547.5/58

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2012.279+/-309.090 χ^2/NDF: 15.1/33

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2266.586+/-310.924 χ^2/NDF: 21.4/35

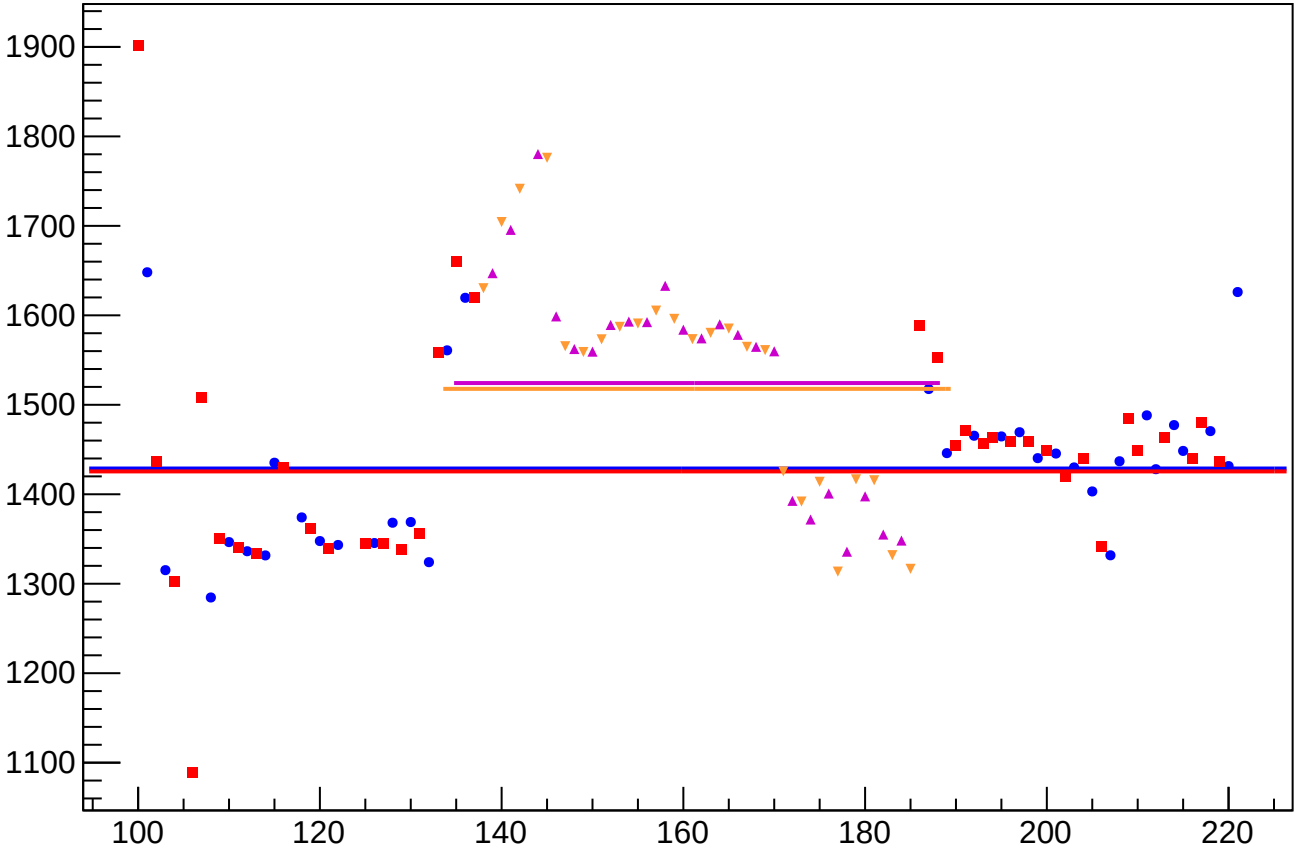
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1583.435+/-232.675 χ^2/NDF: 56.0/57

All: -344.328+/-165.162 χ^2/NDF: 231.8/116

- sign -2302.207+/-234.485 χ^2/NDF: 37.4/58

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1428.774+/-0.219 χ^2/NDF: 133832.7/33

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

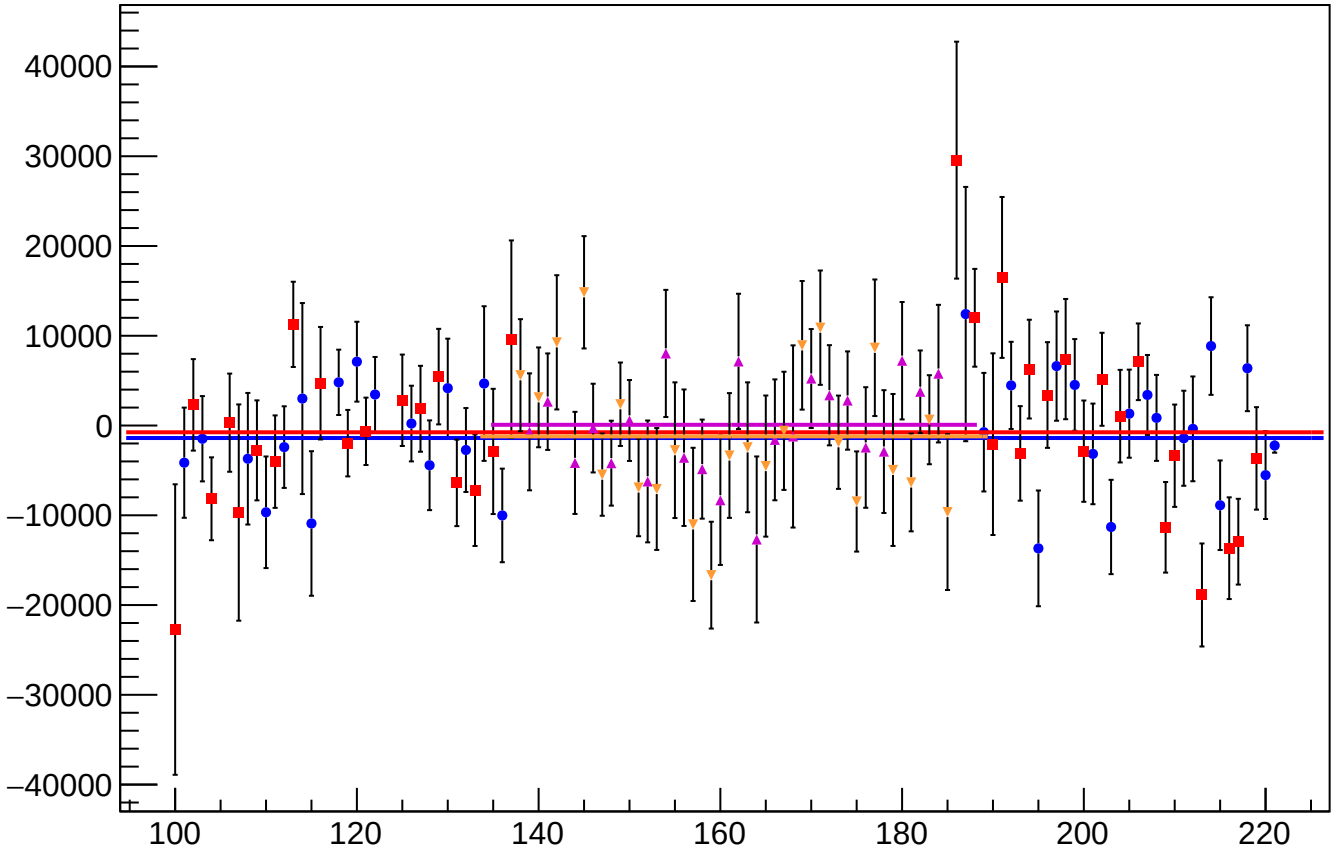
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.358+/-0.165 χ^2/NDF: 439712.8/57

All: 1467.630+/-0.117 χ^2/NDF: 925744.0/116

- sign 1467.904+/-0.165 χ^2/NDF: 486025.7/58

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug



Right In: -1392.790+/-603.866 χ^2/NDF: 41.2/33

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

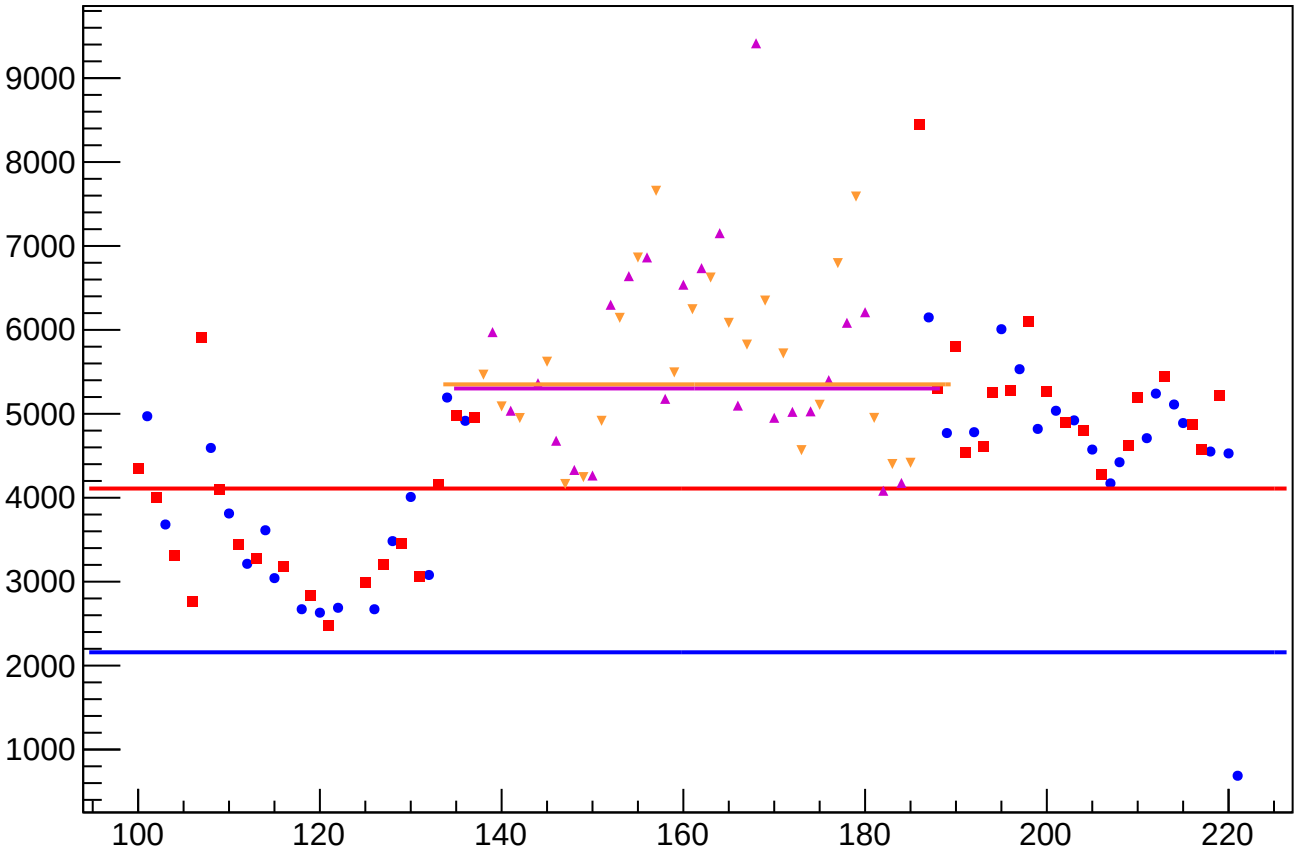
Right Out: -752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -1359.360+/-545.223 χ^2/NDF: 74.5/57

All: -1046.617+/-439.921 χ^2/NDF: 157.4/116

- sign -463.169+/-744.699 χ^2/NDF: 82.0/58



Right In: 2158.399+/-0.427 χ^2/NDF: 17803897.8/33

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

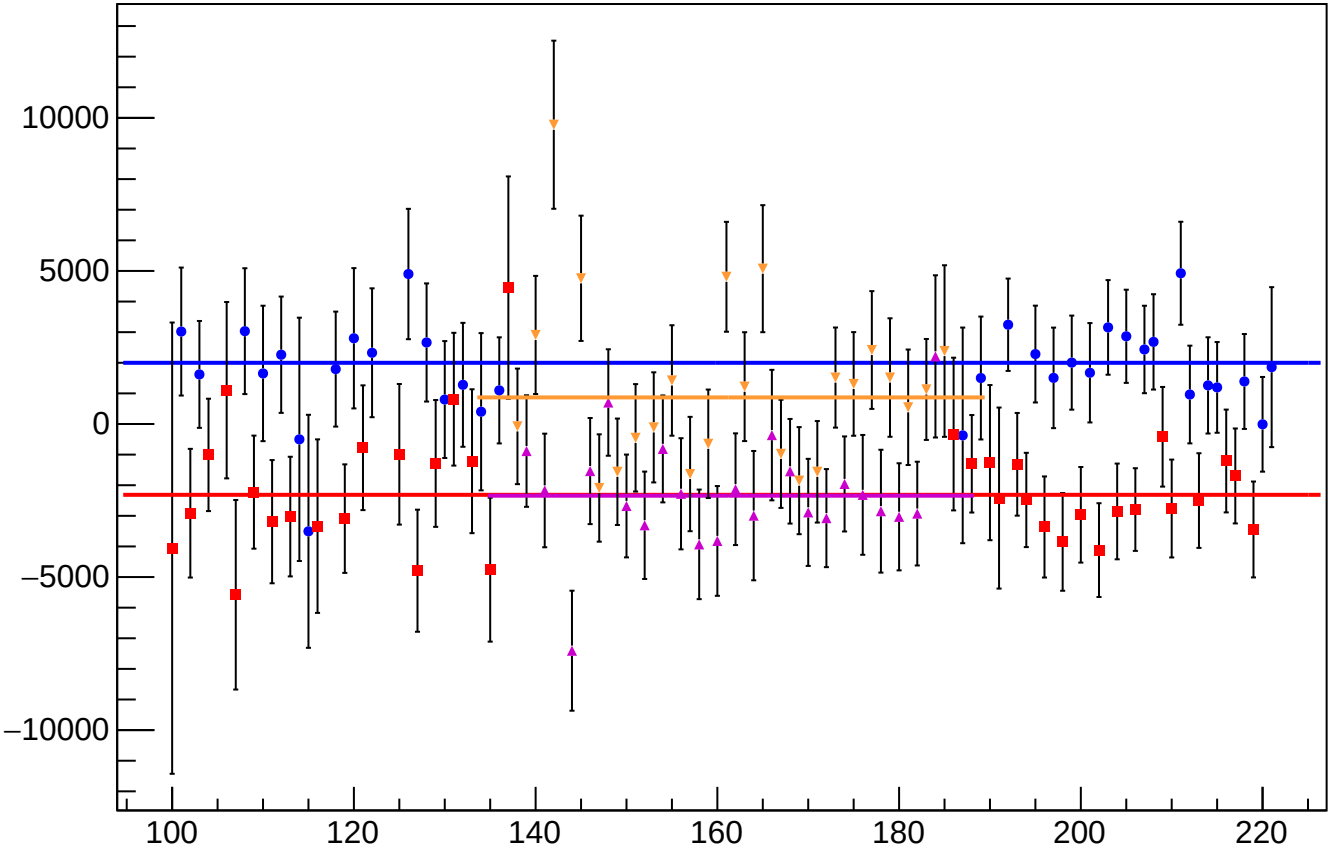
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 2748.403+/-0.386 χ^2/NDF: 29201504.7/57

All: 3367.837+/-0.311 χ^2/NDF: 41571565.5/1

- sign 4523.442+/-0.527 χ^2/NDF: 4972547.5/58

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1999.161+/-311.879 χ^2/NDF: 14.7/33

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2313.576+/-314.718 χ^2/NDF: 20.6/35

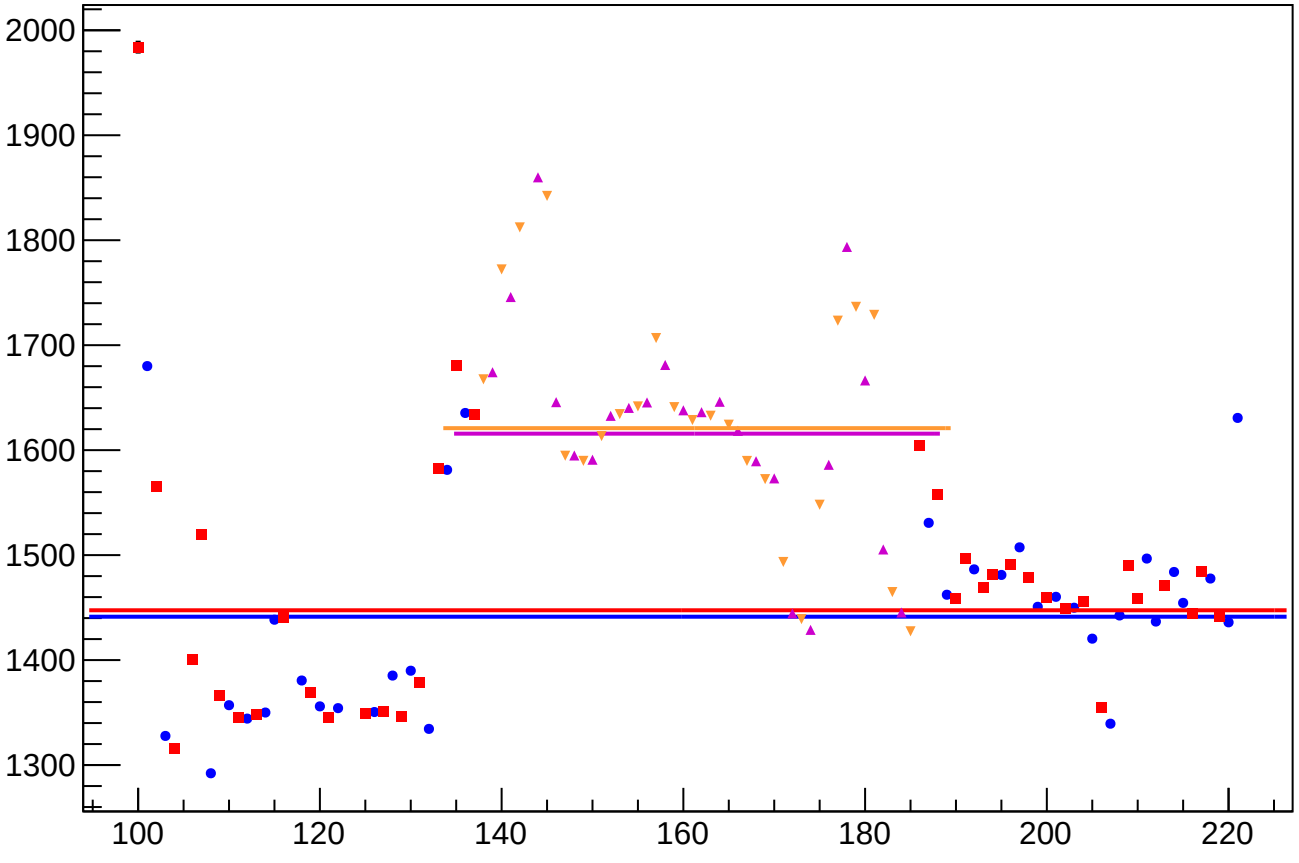
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1539.992+/-240.354 χ^2/NDF: 59.8/57

All: -380.349+/-170.497 χ^2/NDF: 227.0/116

- sign -2325.333+/-241.892 χ^2/NDF: 38.7/58

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1441.319+/-0.221 χ^2/NDF: 140162.6/33

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.0/35

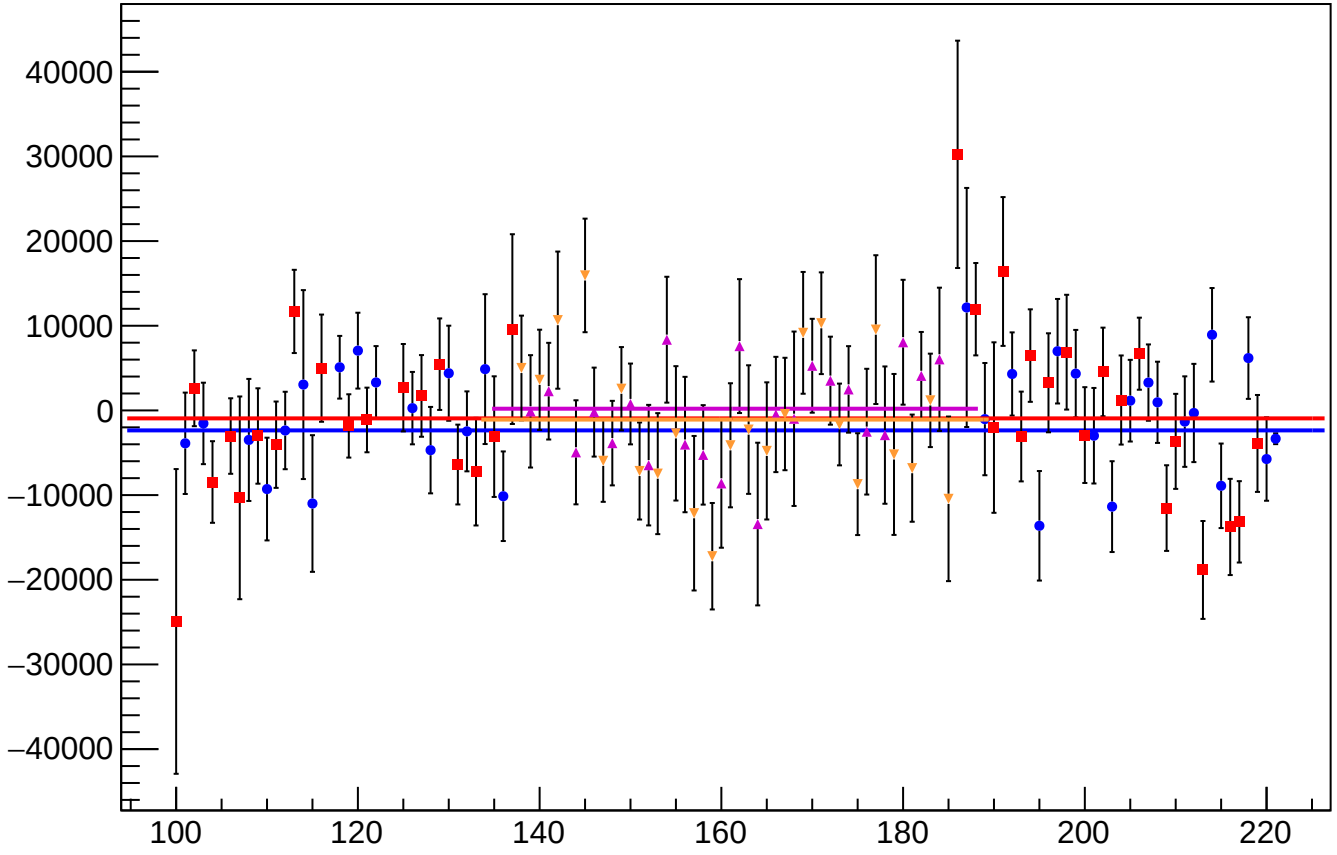
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1514.261+/-0.170 χ^2/NDF: 551550.7/57

All: 1515.242+/-0.121 χ^2/NDF: 1055971.4/11

- sign 1516.234+/-0.171 χ^2/NDF: 504353.8/58

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -2358.984+/-528.356 χ^2/NDF: 45.2/33

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -940.113+/-917.132 χ^2/NDF: 68.6/35

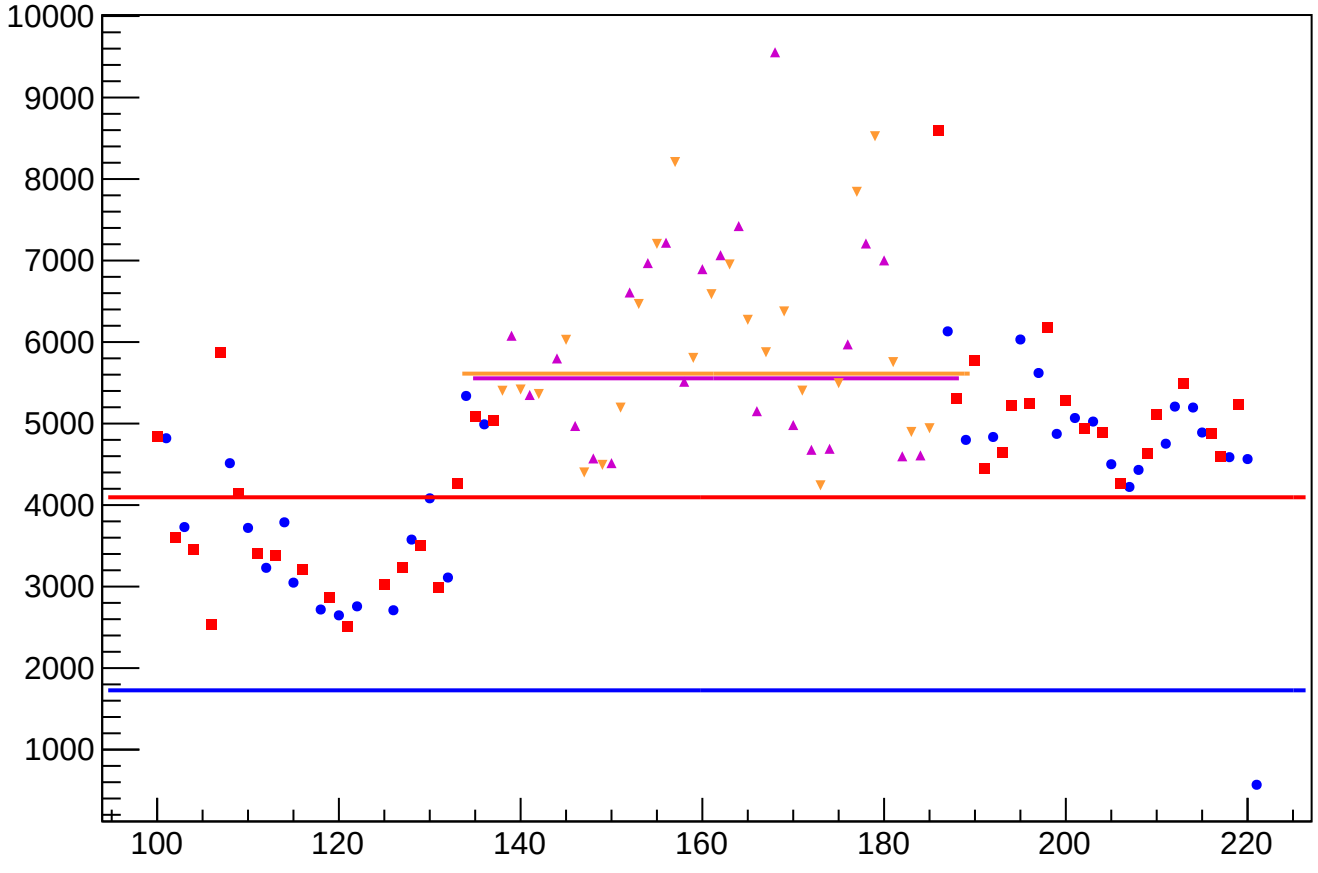
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -2185.499+/-491.149 χ^2/NDF: 79.0/57

All: -1704.734+/-411.591 χ^2/NDF: 164.2/116

- sign -570.716+/-754.322 χ^2/NDF: 82.0/58

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 1727.160+/-0.374 χ^2/NDF: 22090199.7/33

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4095.656+/-0.649 χ^2/NDF: 2655497.6/35

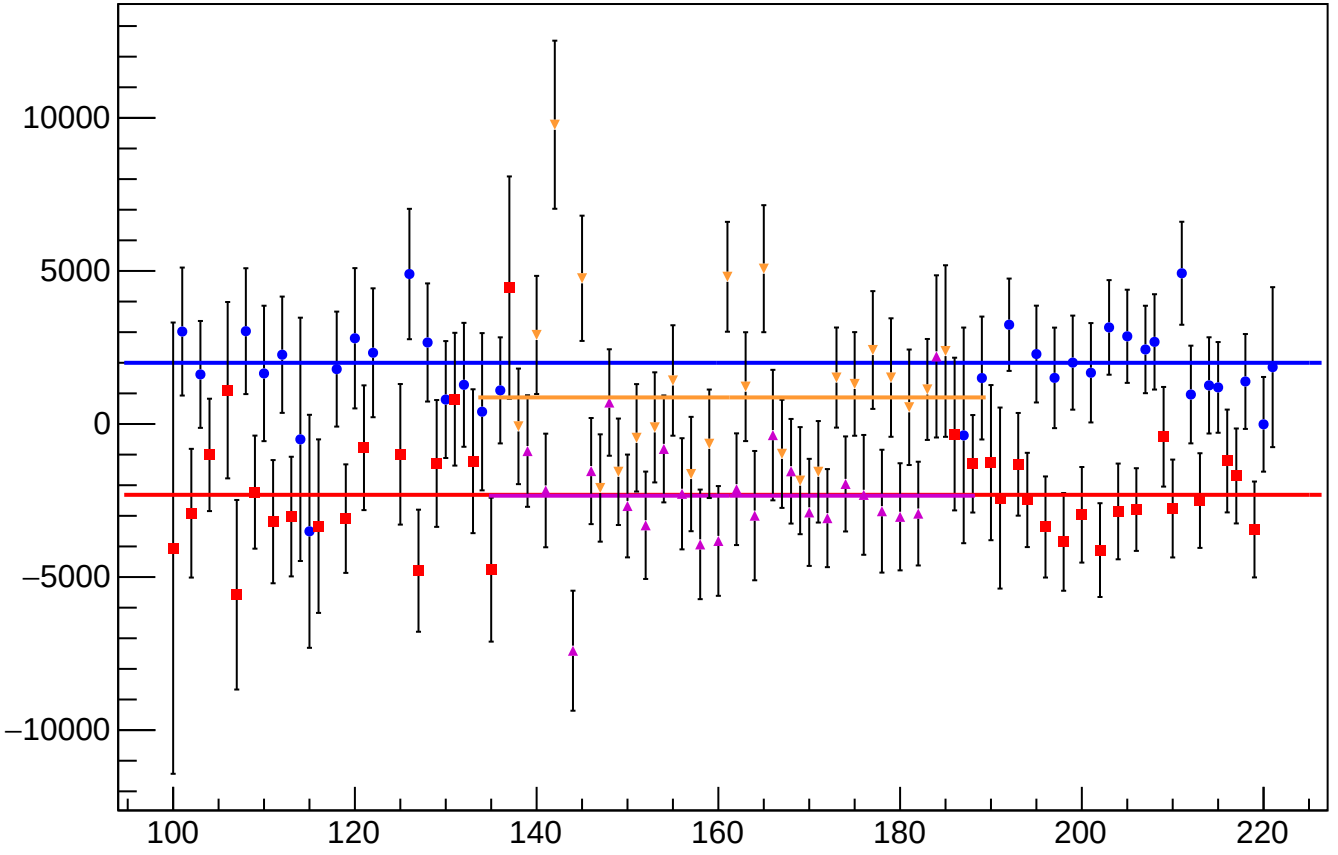
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 2255.131+/-0.347 χ^2/NDF: 37975781.3/57

All: 2943.668+/-0.291 χ^2/NDF: 56804350.1/1

- sign 4567.772+/-0.533 χ^2/NDF: 5626606.3/58

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1999.162+/-311.879 χ^2/NDF: 14.7/33

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2313.573+/-314.718 χ^2/NDF: 20.6/35

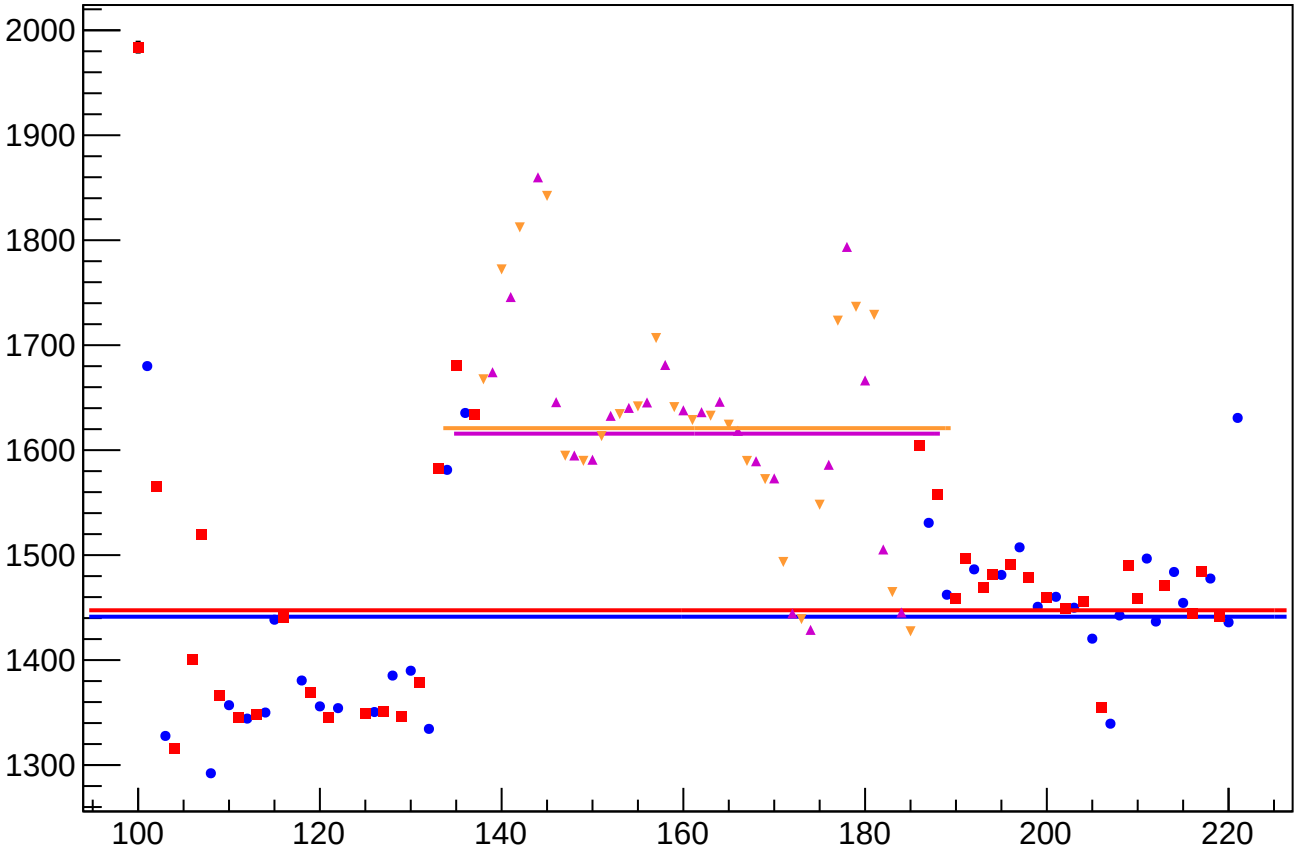
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1539.990+/-240.354 χ^2/NDF: 59.8/57

All: -380.349+/-170.497 χ^2/NDF: 227.0/116

- sign -2325.331+/-241.892 χ^2/NDF: 38.7/58

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1441.319+/-0.221 χ^2/NDF: 140162.6/33

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

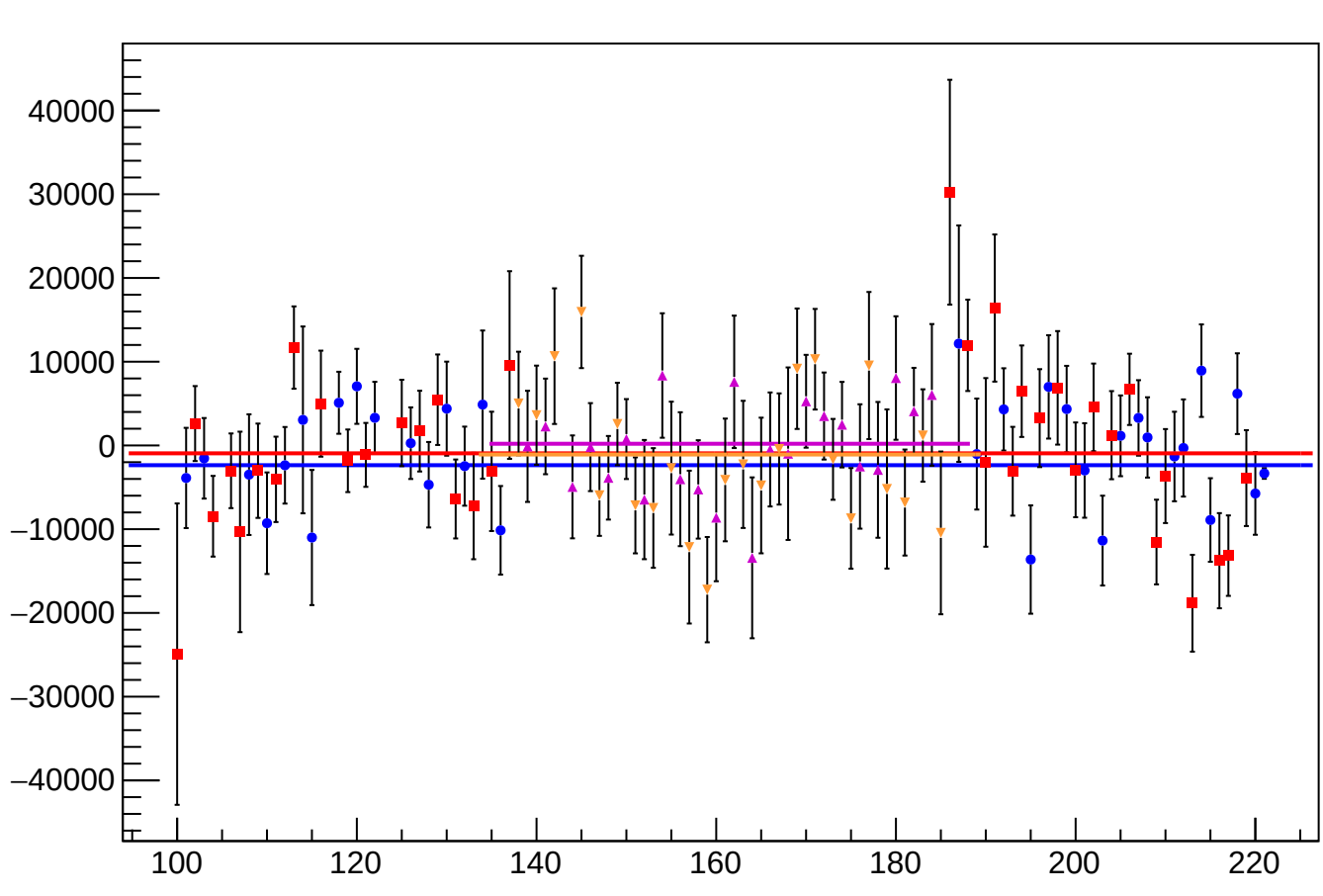
Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.3/35

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1514.262+/-0.170 χ^2/NDF: 551558.8/57

All: 1515.242+/-0.121 χ^2/NDF: 1055988.0/11

- sign 1516.234+/-0.171 χ^2/NDF: 504362.2/58



Right In: -2358.985+/-528.356 χ^2/NDF: 45.2/33

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

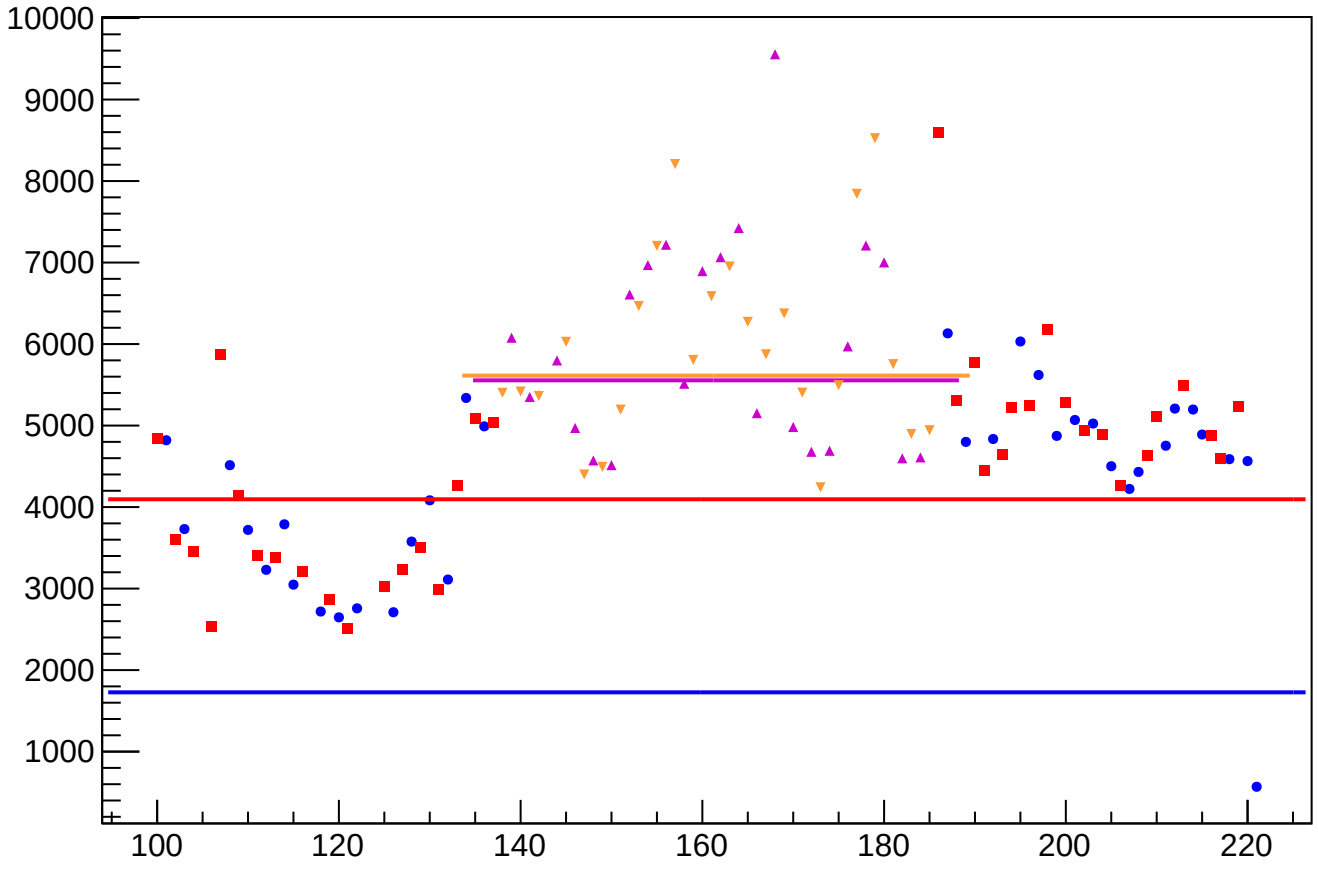
Right Out: -940.114+/-917.131 χ^2/NDF: 68.6/35

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -2185.501+/-491.150 χ^2/NDF: 79.0/57

All: -1704.735+/-411.592 χ^2/NDF: 164.2/116

\- sign -570.718+/-754.322 χ^2/NDF: 82.0/58



Right In: 1727.163+/-0.374 χ^2/NDF: 22090180.1/33

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4095.650+/-0.649 χ^2/NDF: 2655536.0/35

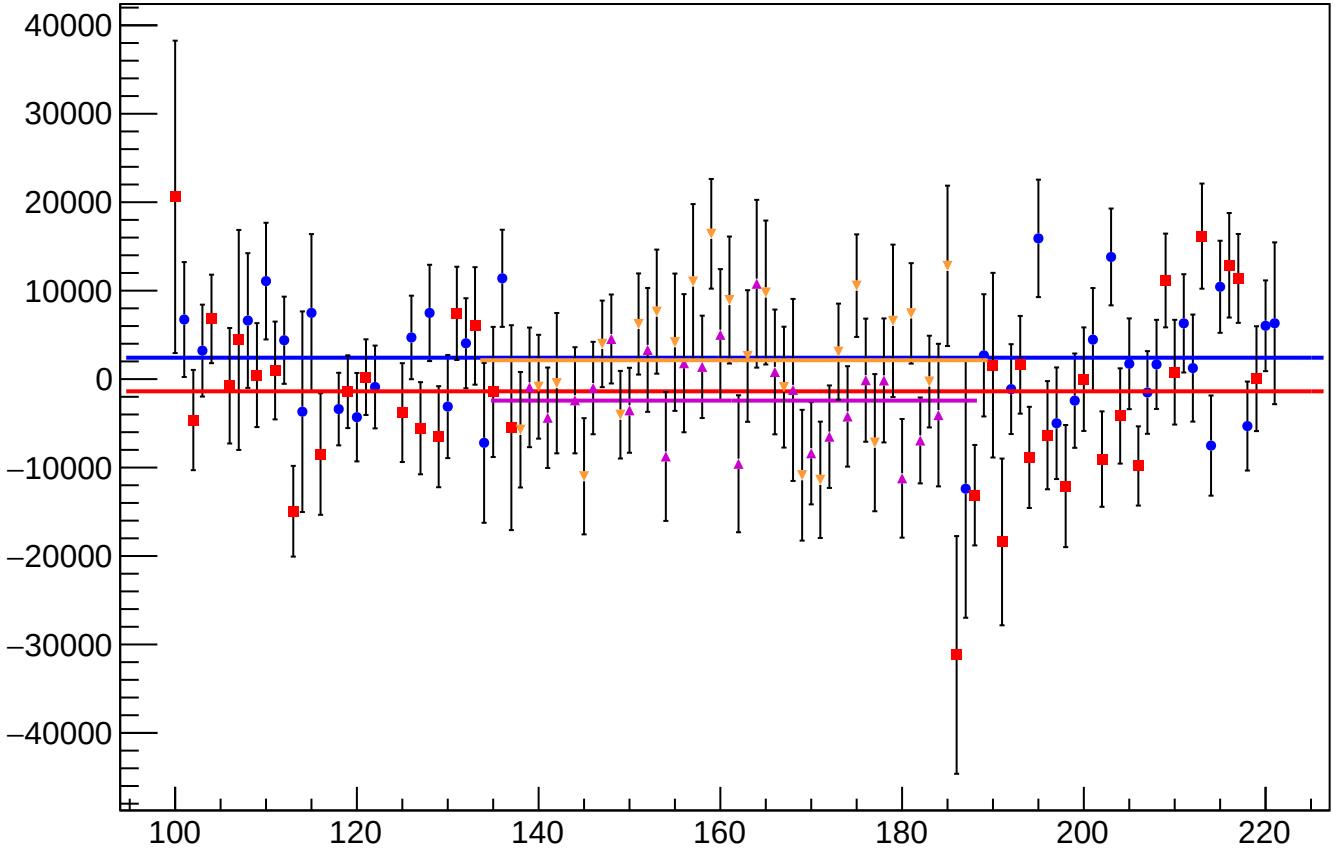
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 2255.135+/-0.347 χ^2/NDF: 37975764.3/57

All: 2943.671+/-0.291 χ^2/NDF: 56804329.5/1

- sign 4567.769+/-0.533 χ^2/NDF: 5626674.8/58

asym_usl_atl2_avg_mean vs Slug



Right In: 2420.295+/-975.729 χ^2/NDF: 35.6/33

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1379.341+/-986.293 χ^2/NDF: 69.3/35

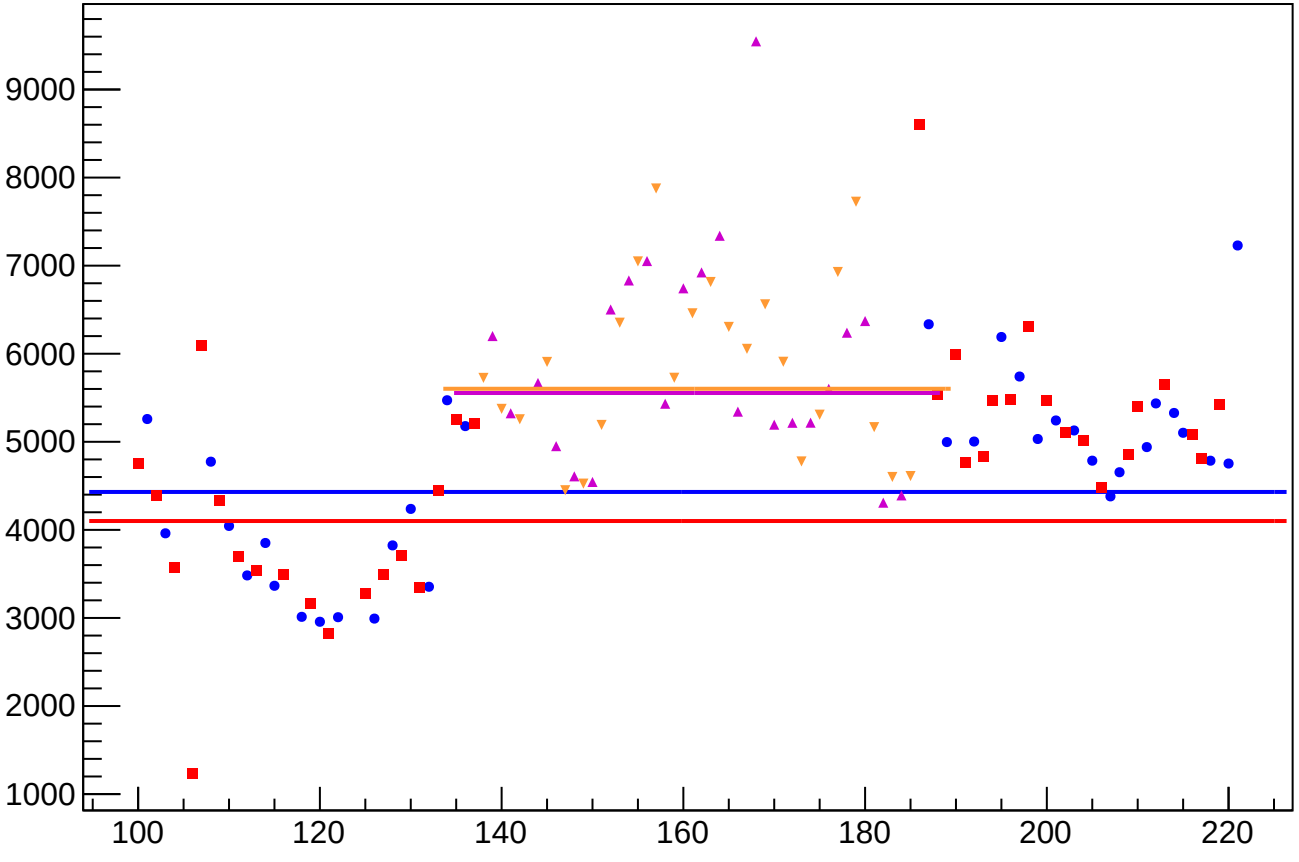
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2321.027+/-785.554 χ^2/NDF: 66.3/57

All: 295.526+/-557.151 χ^2/NDF: 162.2/116

- sign -1754.674+/-790.330 χ^2/NDF: 82.6/58

asym_usl_atl2_avg_rms vs Slug



Right In: 4430.610+/-0.690 χ^2/NDF: 1901539.2/33

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

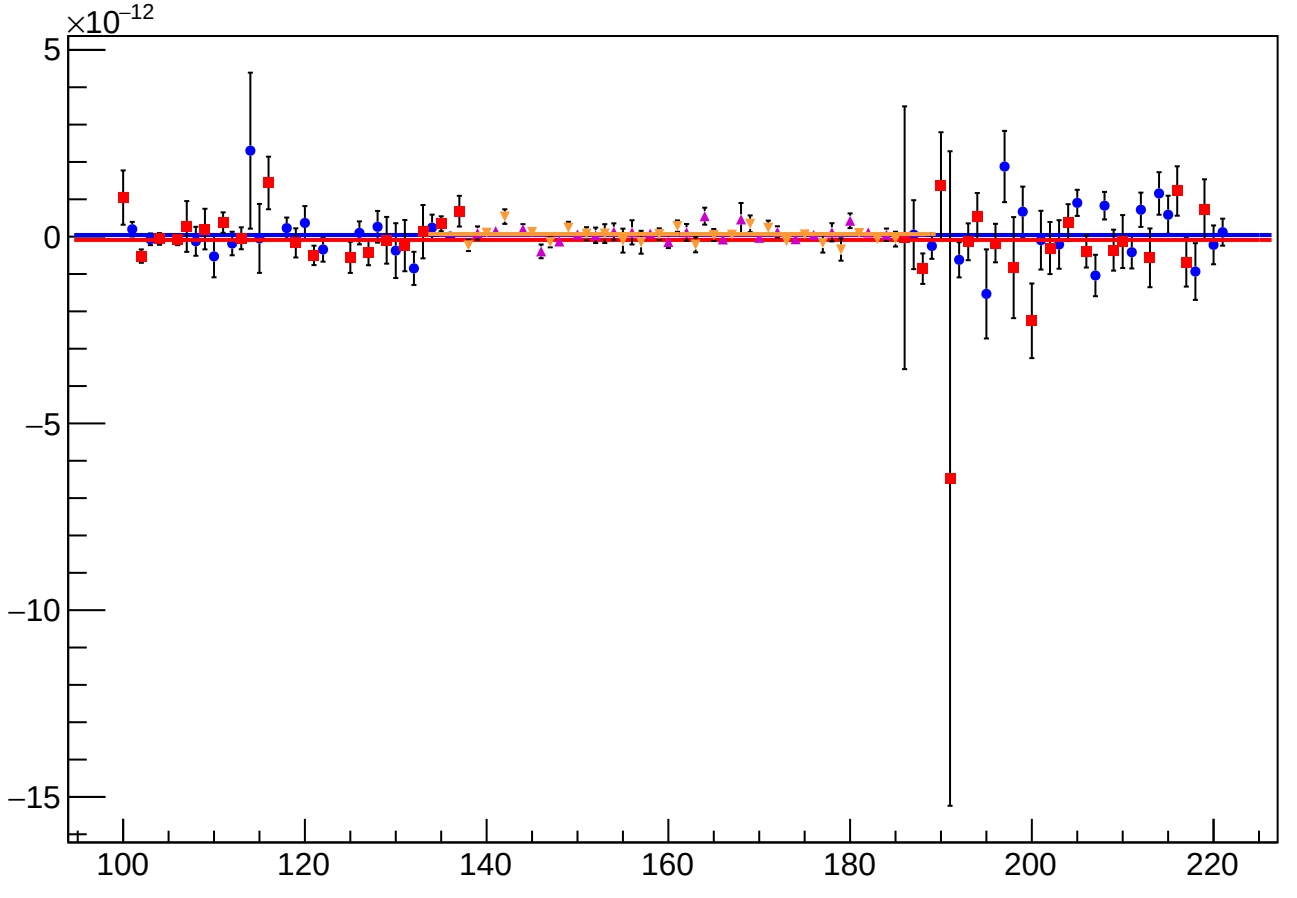
Right Out: 4100.570+/-0.666 χ^2/NDF: 4249971.4/35

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4842.823+/-0.555 χ^2/NDF: 3856591.3/57

All: 4713.361+/-0.388 χ^2/NDF: 10930476.4/1

- sign 4590.056+/-0.542 χ^2/NDF: 6967827.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 45.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/35

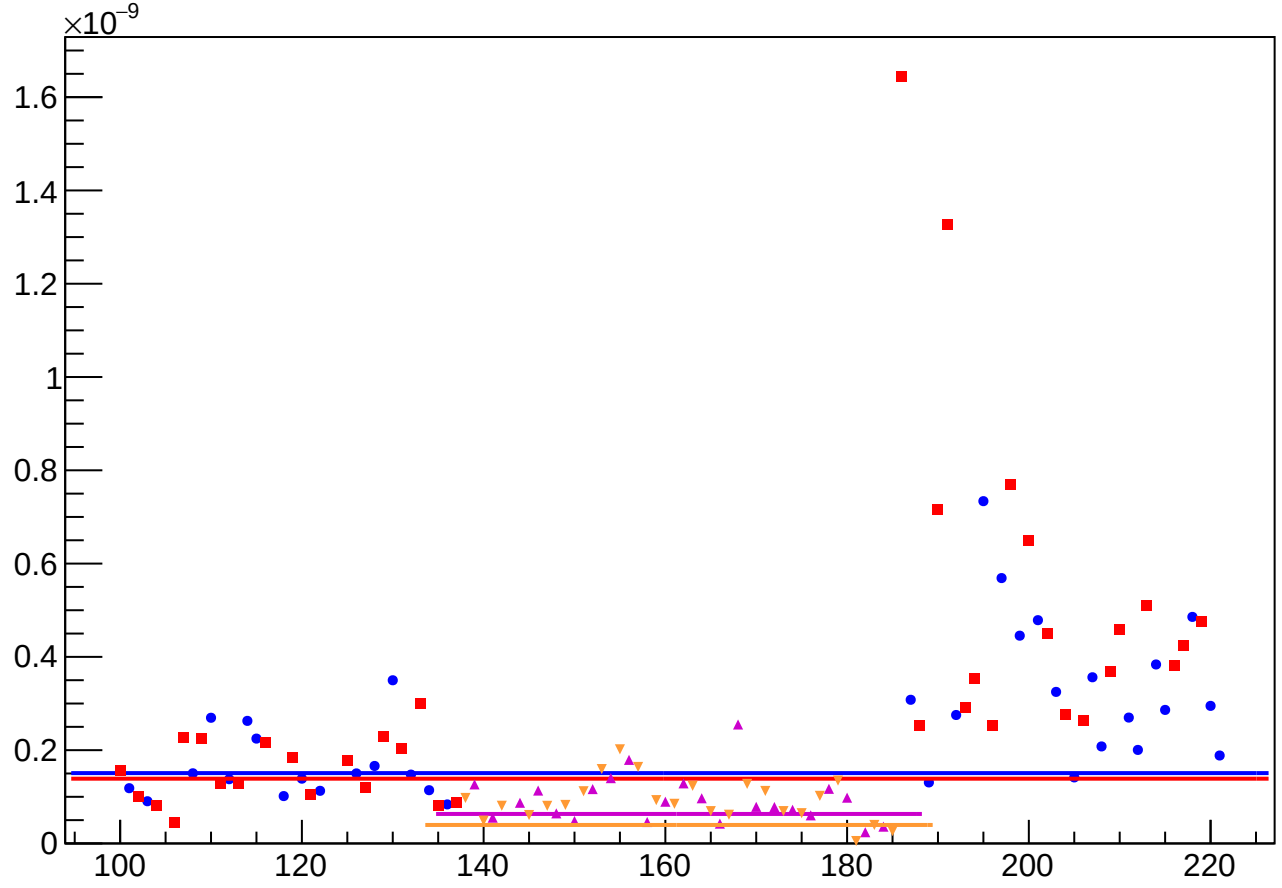
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.8/57

All: 0.000+/-0.000 χ^2/NDF: 153.7/116

- sign 0.000+/-0.000 χ^2/NDF: 78.6/58

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4703213.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7128723.6/35

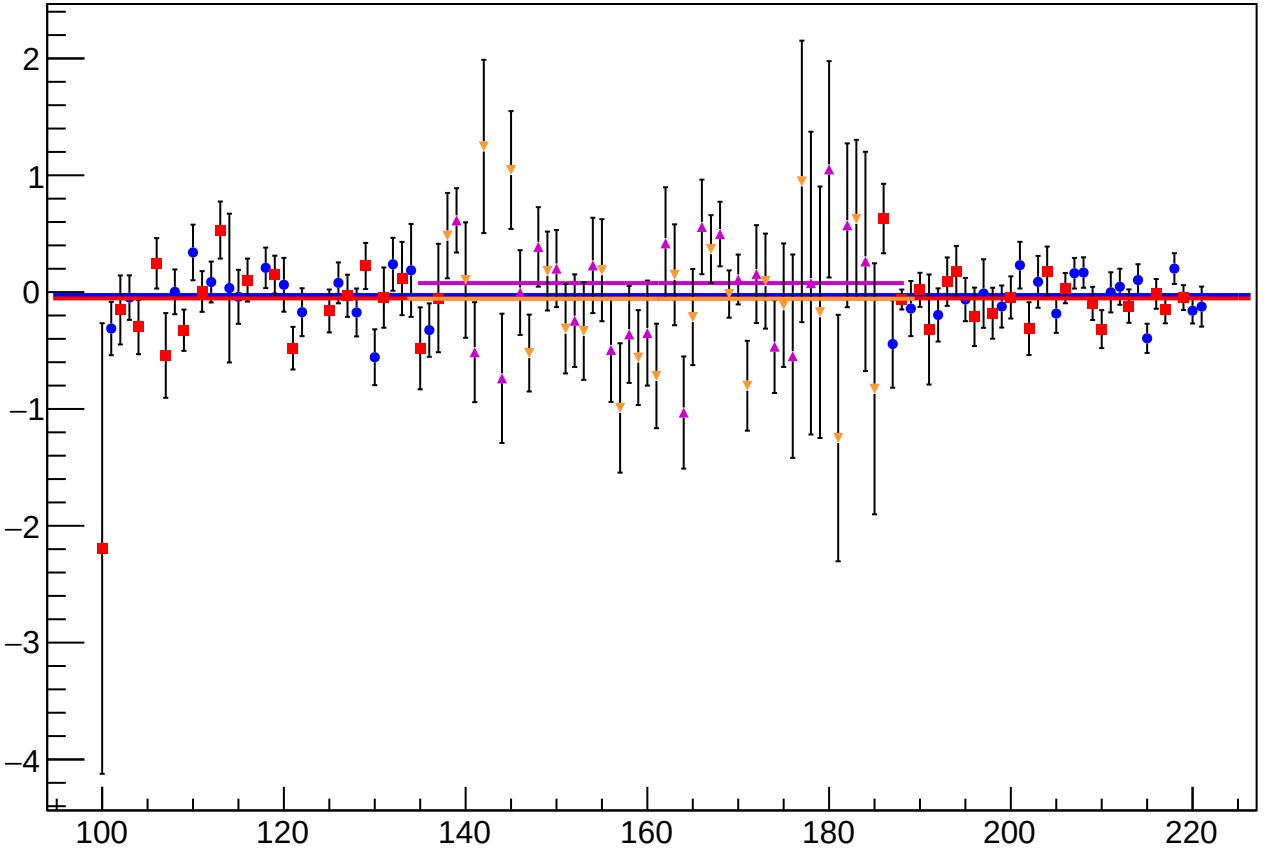
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17606494.1/57

All: 0.000+/-0.000 χ^2/NDF: 31316745.1/116

- sign 0.000+/-0.000 χ^2/NDF: 12639838.6/58

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

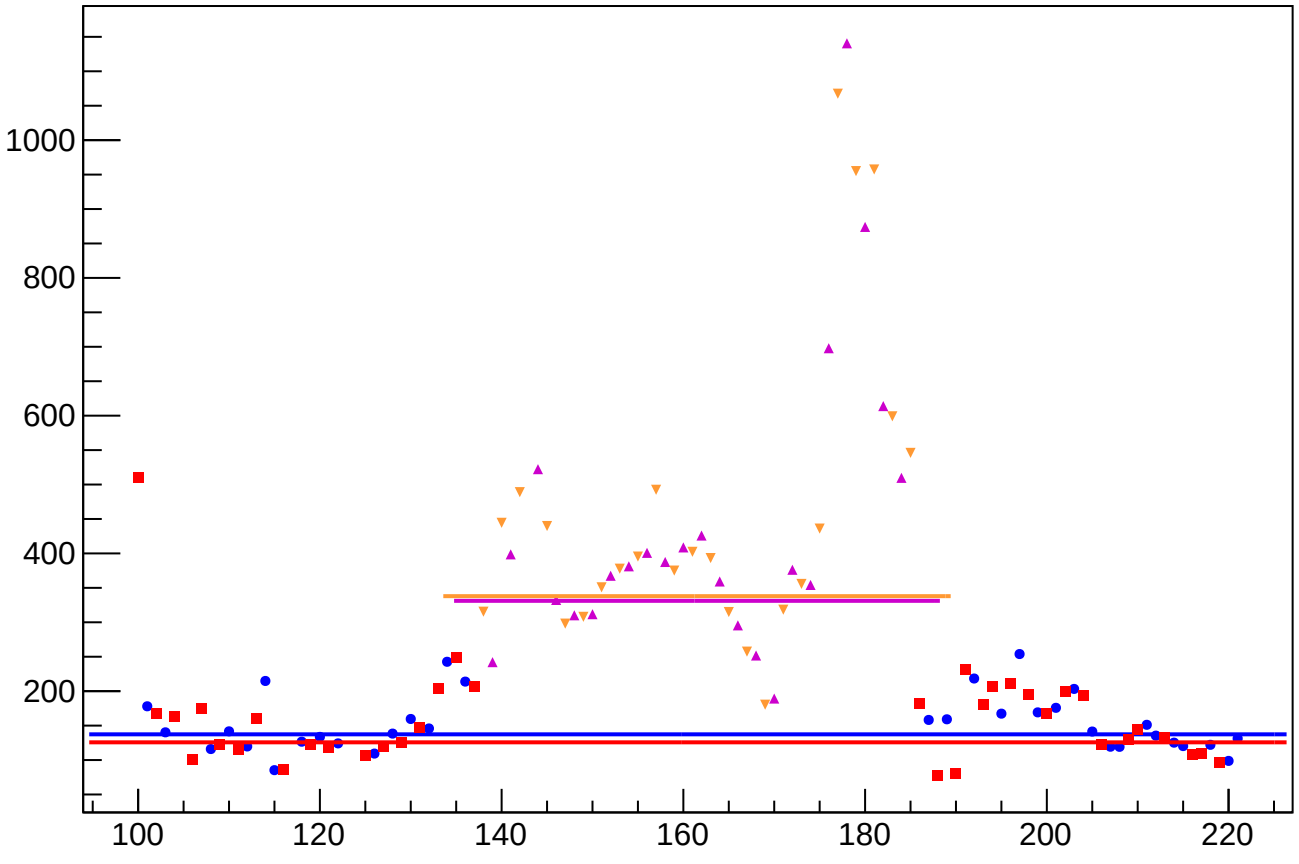
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 141.2/116

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.331+/-0.022 χ^2/NDF: 2076274.4/33

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

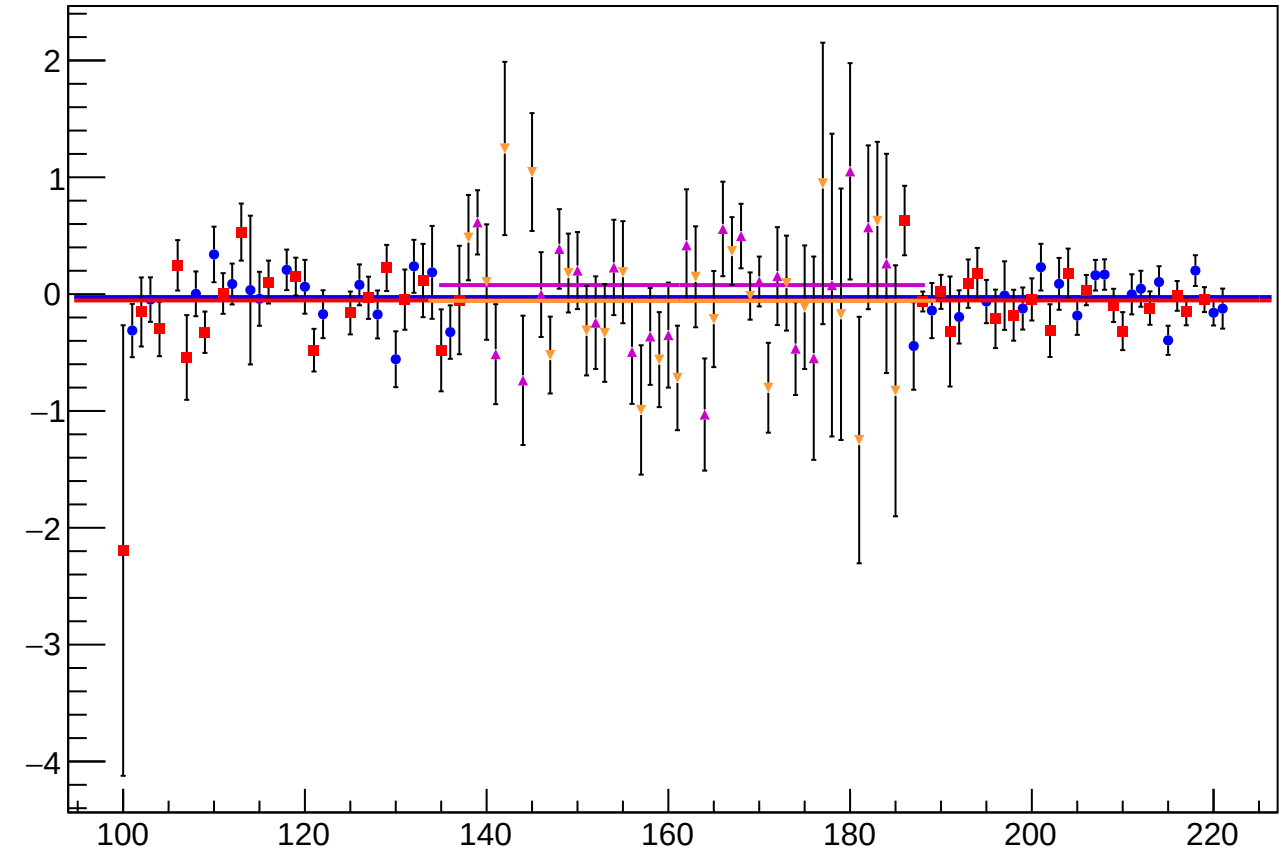
Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 160.942+/-0.021 χ^2/NDF: 16316585.6/57

All: 154.557+/-0.014 χ^2/NDF: 34879576.6/11

- sign 148.759+/-0.020 χ^2/NDF: 18381994.1/58



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

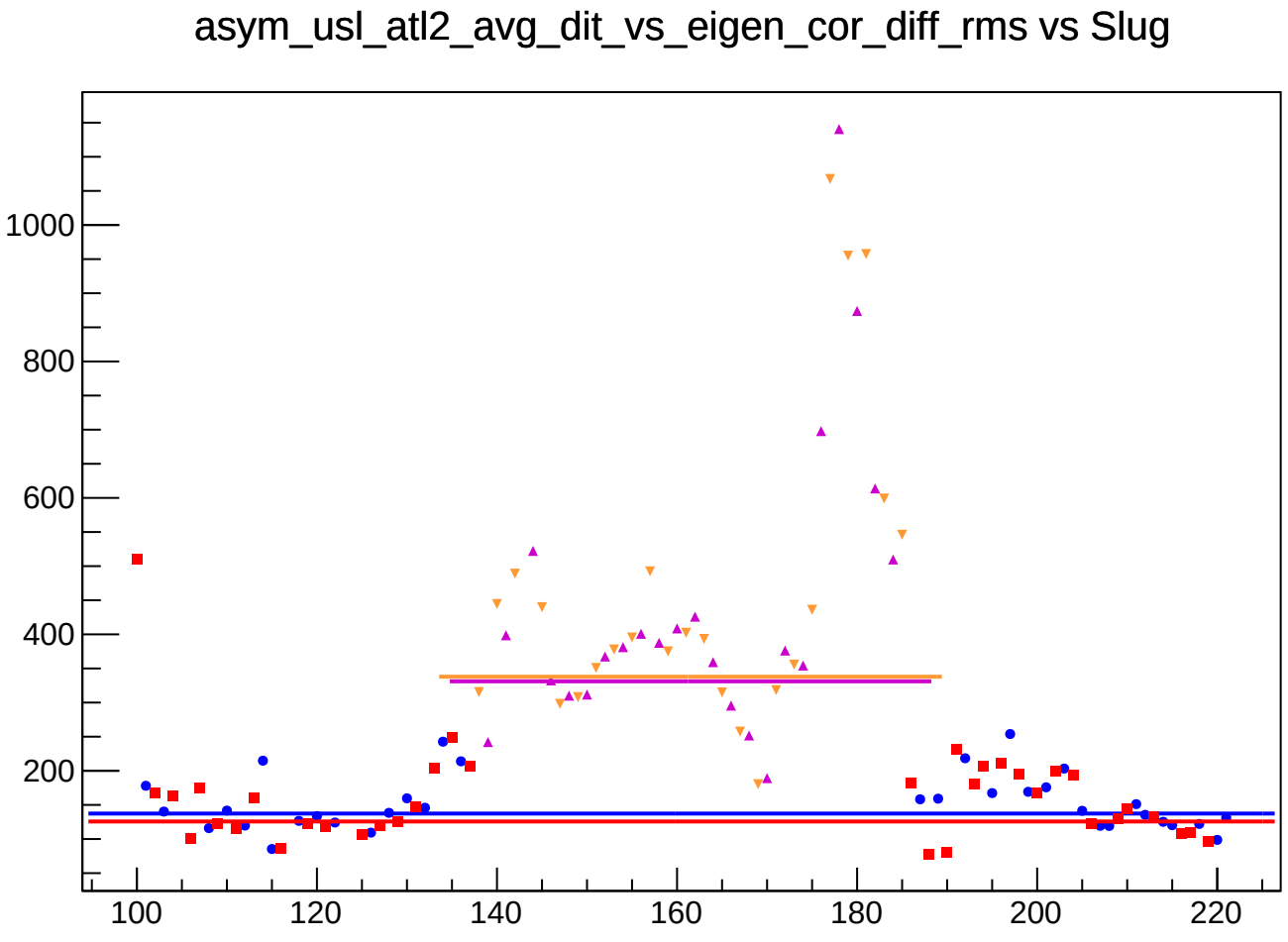
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 141.2/116

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.331+/-0.022 χ^2/NDF: 2076274.4/33

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

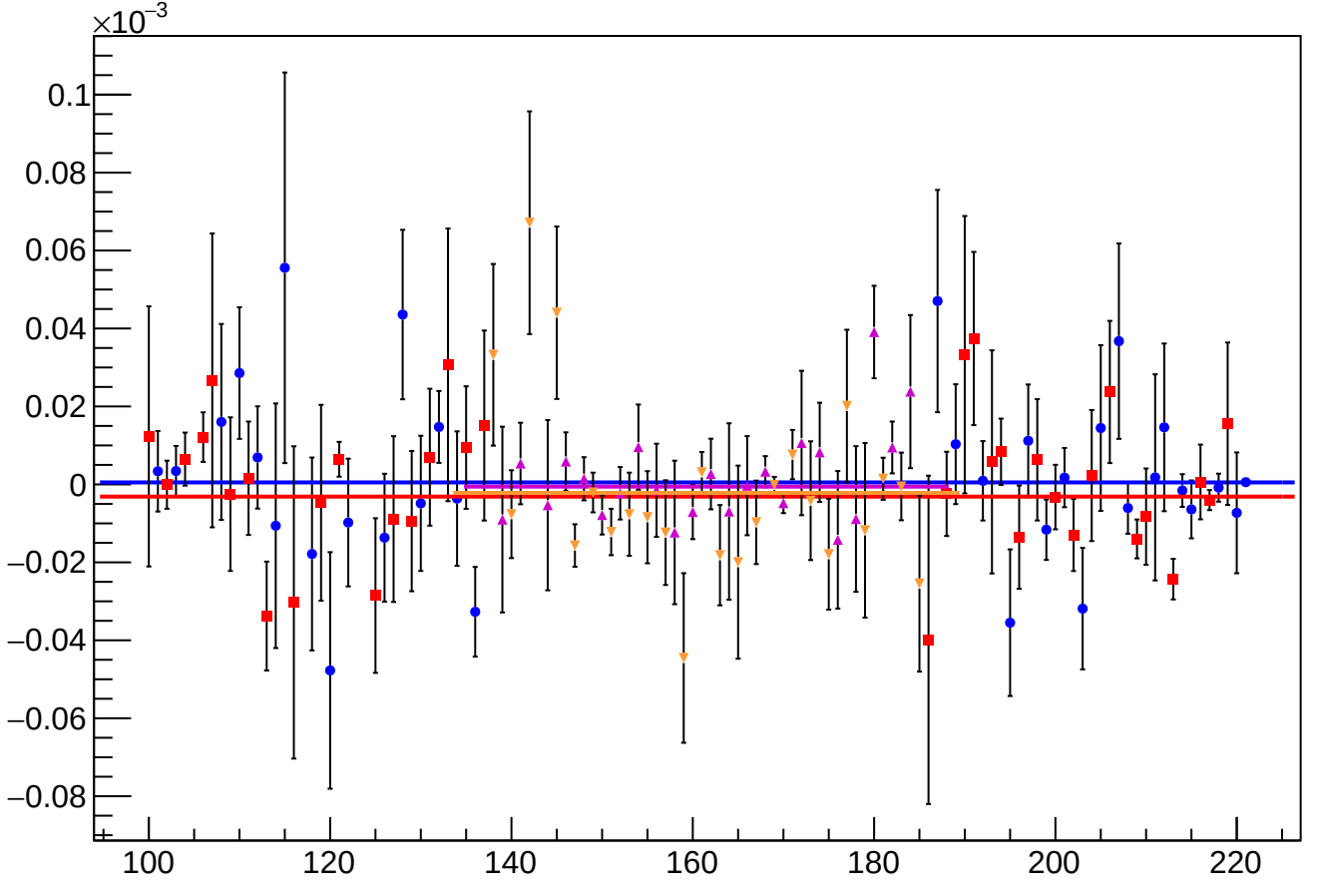
Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 160.942+/-0.021 χ^2/NDF: 16316585.6/57

All: 154.557+/-0.014 χ^2/NDF: 34879576.6/11

- sign 148.759+/-0.020 χ^2/NDF: 18381994.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 43.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

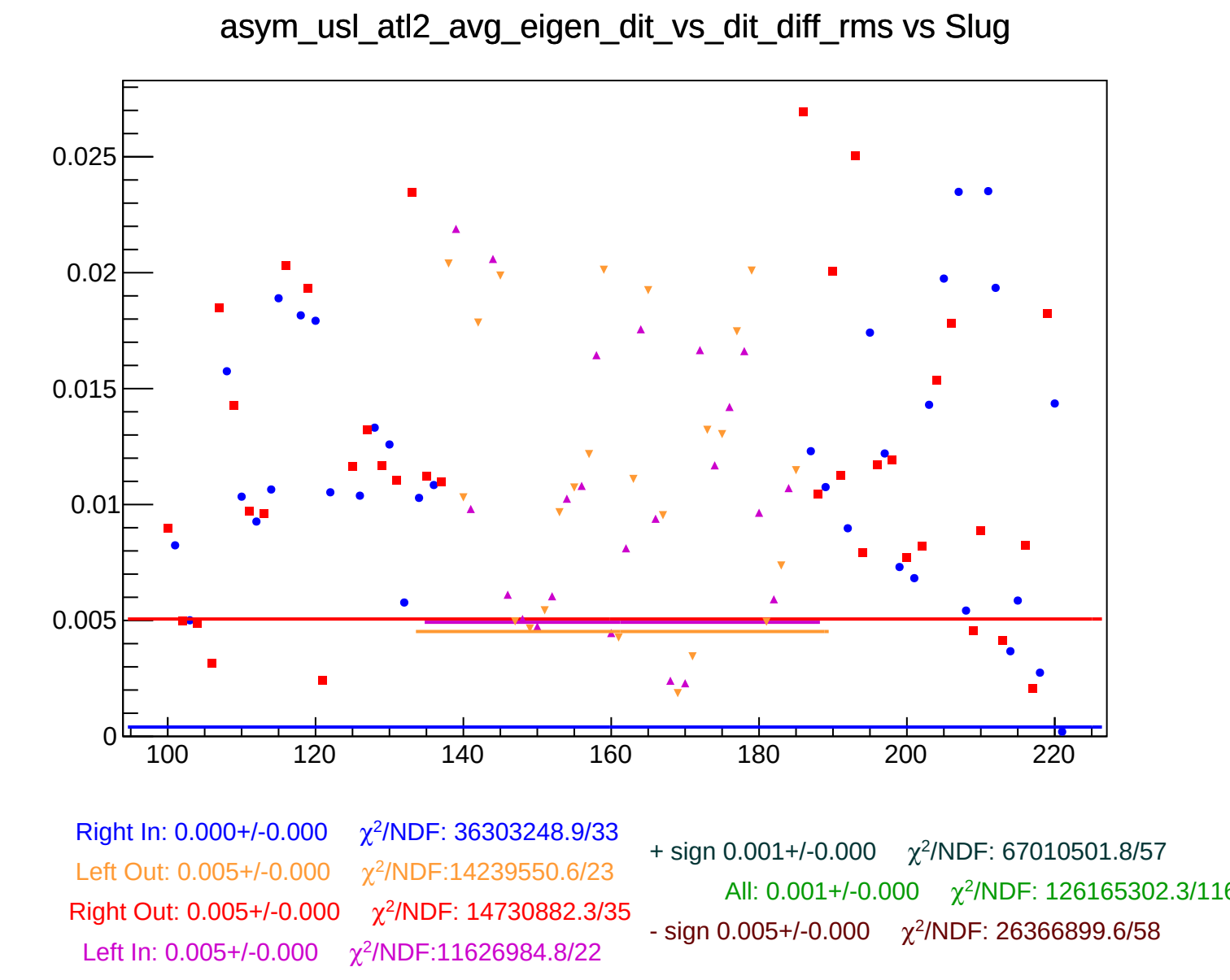
Right Out: -0.000+/-0.000 χ^2/NDF: 57.1/35

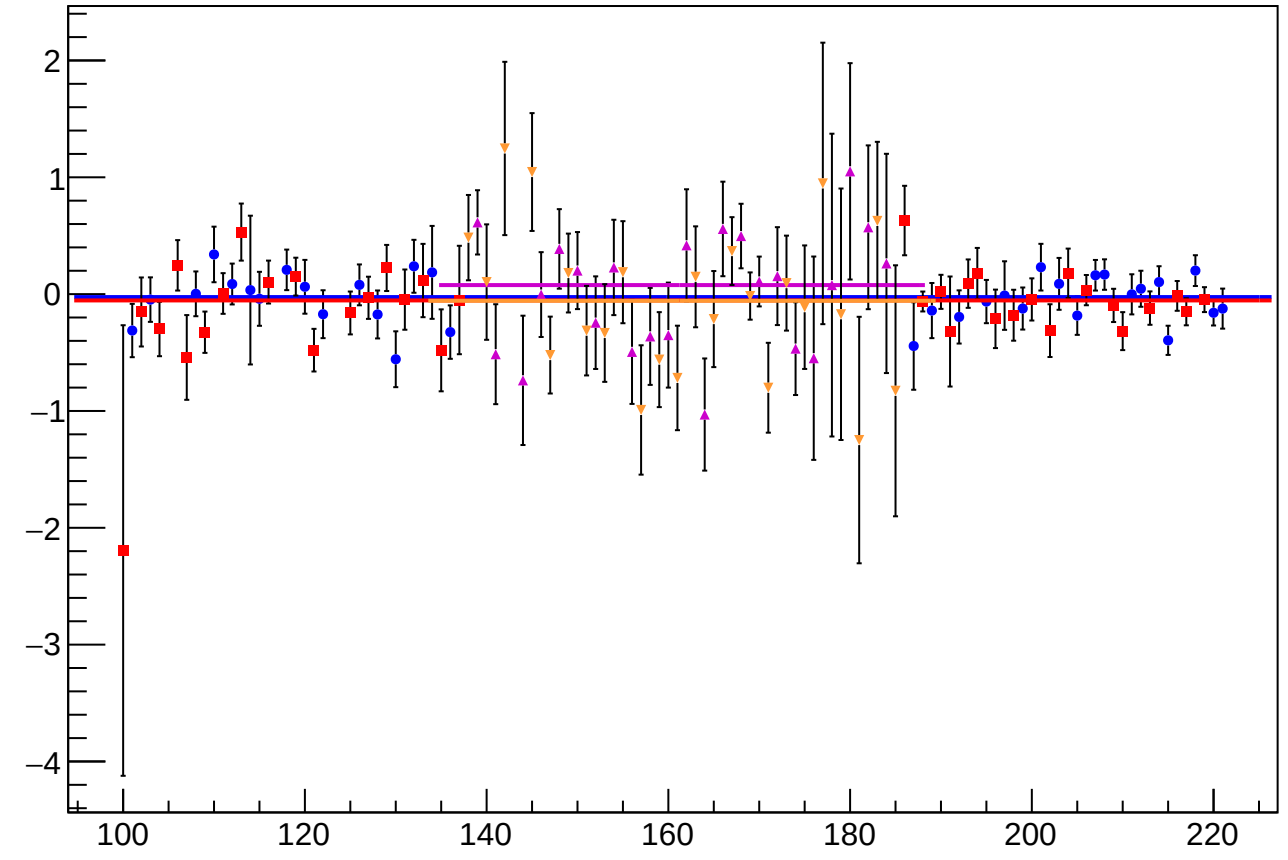
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 85.0/57

All: 0.000+/-0.000 χ^2/NDF: 174.2/116

- sign -0.000+/-0.000 χ^2/NDF: 84.8/58


asym_usl_atl2_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
220
Right In: 0.000+/-0.000 χ²/NDF: 36303248.9/33
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.005+/-0.000 χ²/NDF: 14730882.3/35
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.001+/-0.000 χ²/NDF: 67010501.8/57
All: 0.001+/-0.000 χ²/NDF: 126165302.3/116
- sign 0.005+/-0.000 χ²/NDF: 26366899.6/58



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

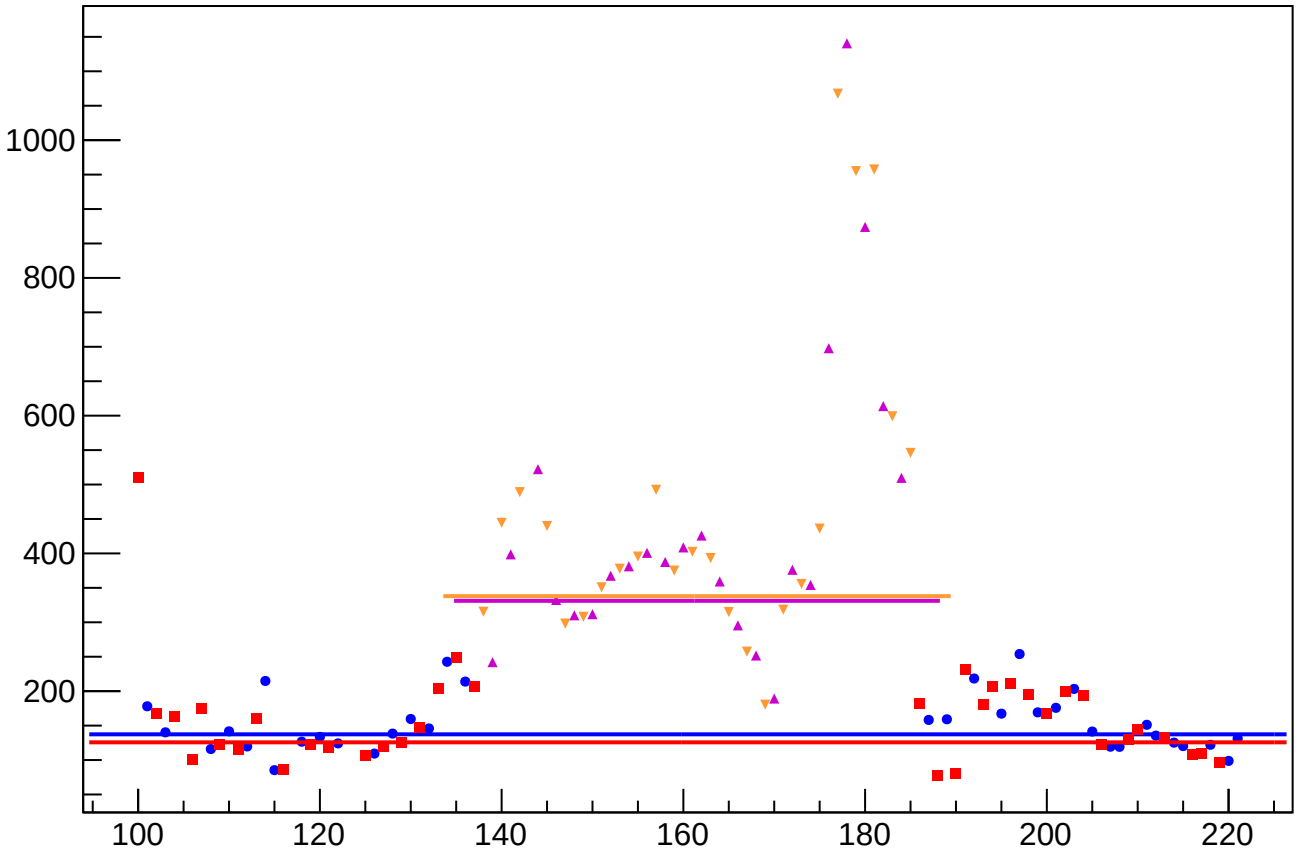
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 141.2/116

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.331+/-0.022 χ^2/NDF: 2076241.3/33

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

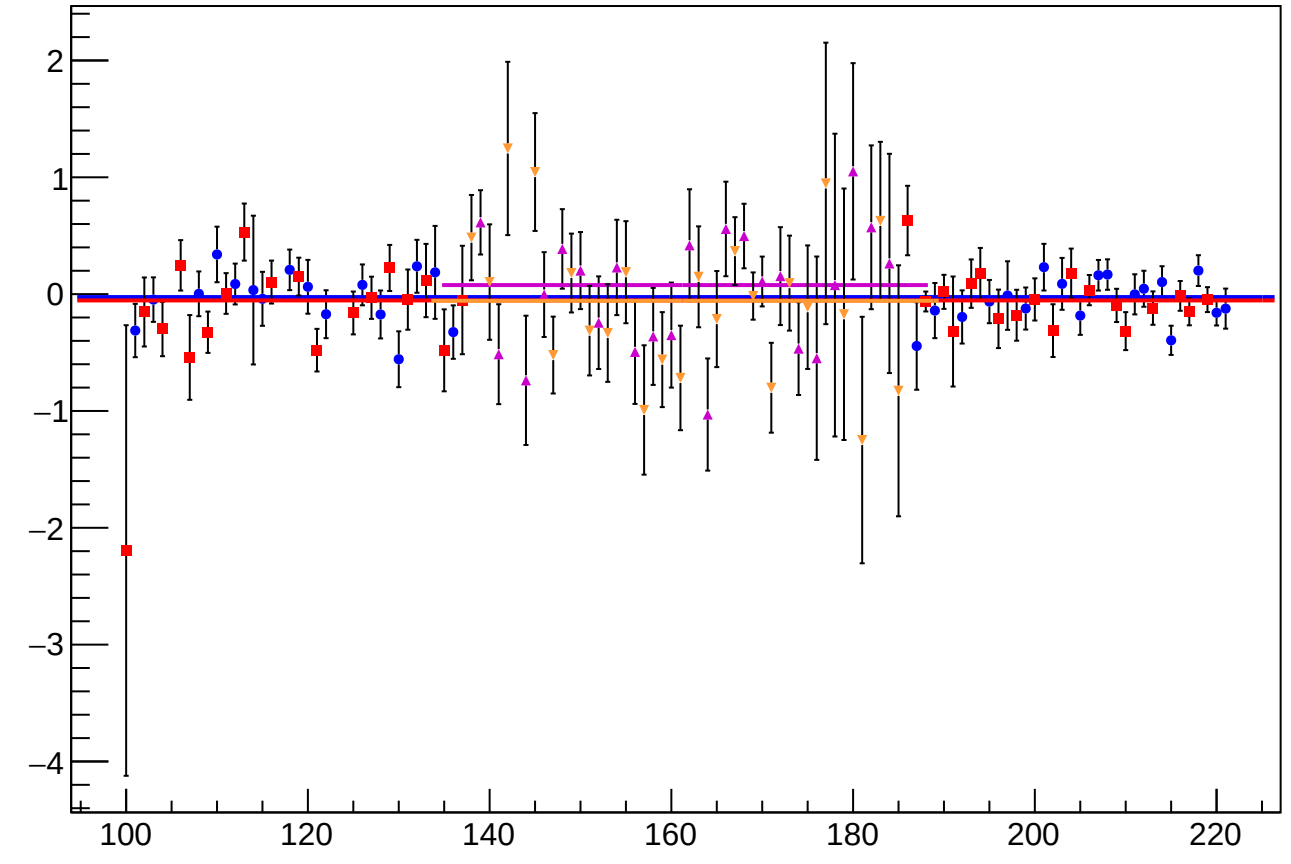
Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 160.943+/-0.021 χ^2/NDF: 16316650.7/57

All: 154.556+/-0.014 χ^2/NDF: 34880099.2/11

- sign 148.758+/-0.020 χ^2/NDF: 18382399.2/58



Right In: -0.025+/-0.031 χ^2/NDF: 40.2/33

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

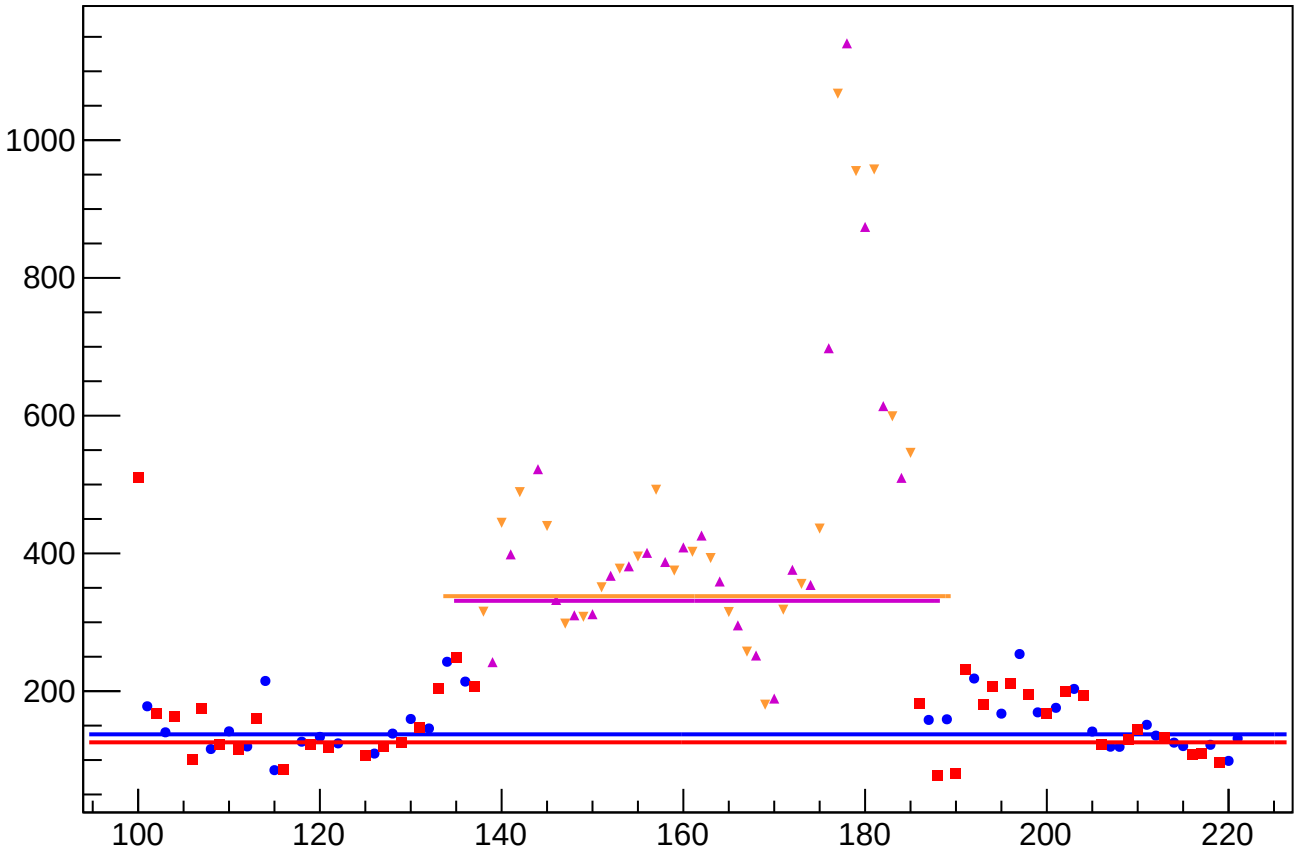
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.029+/-0.029 χ^2/NDF: 70.7/57

All: -0.034+/-0.020 χ^2/NDF: 141.2/116

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.331+/-0.022 χ^2/NDF: 2076241.3/33

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

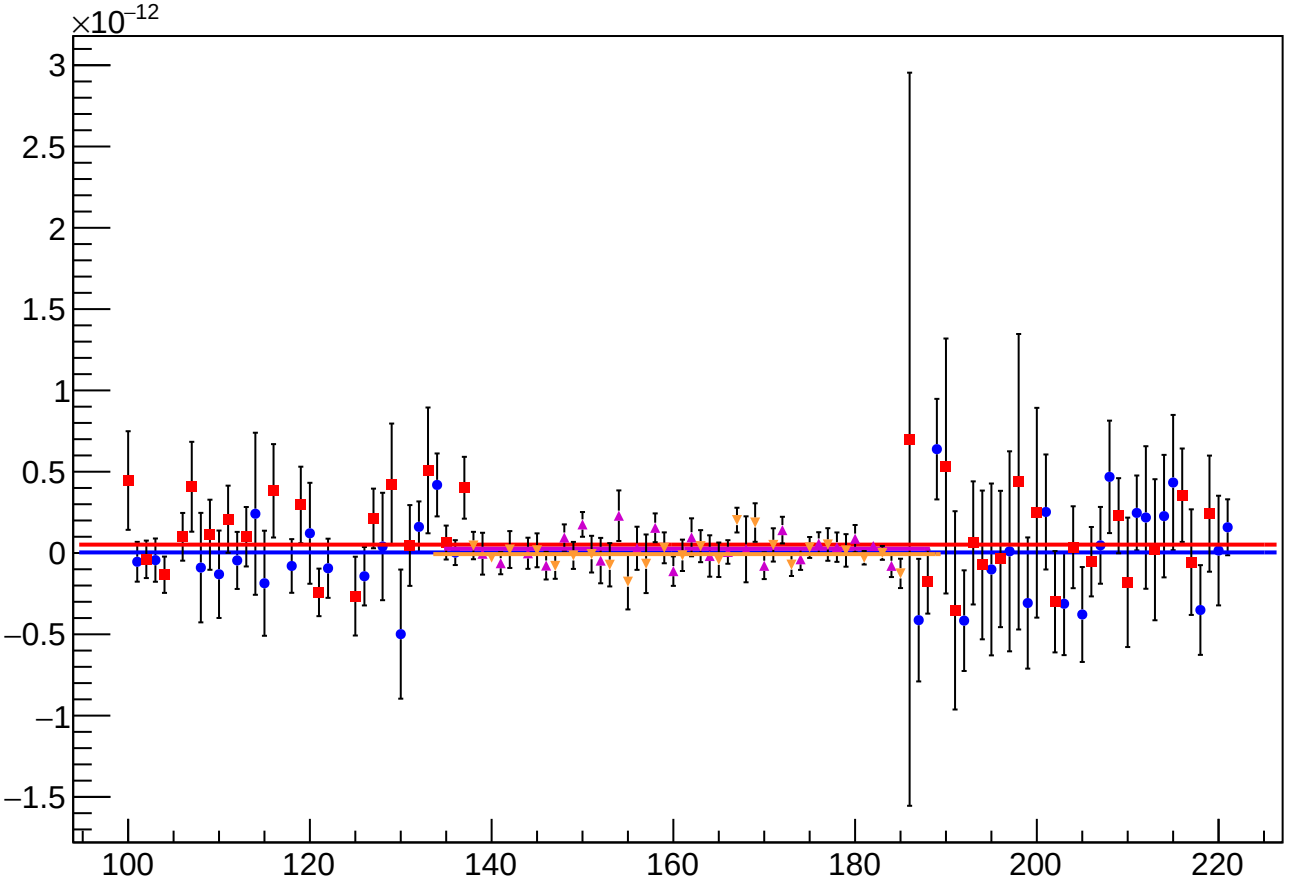
Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 160.943+/-0.021 χ^2/NDF: 16316650.7/57

All: 154.556+/-0.014 χ^2/NDF: 34880099.2/11

- sign 148.758+/-0.020 χ^2/NDF: 18382399.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

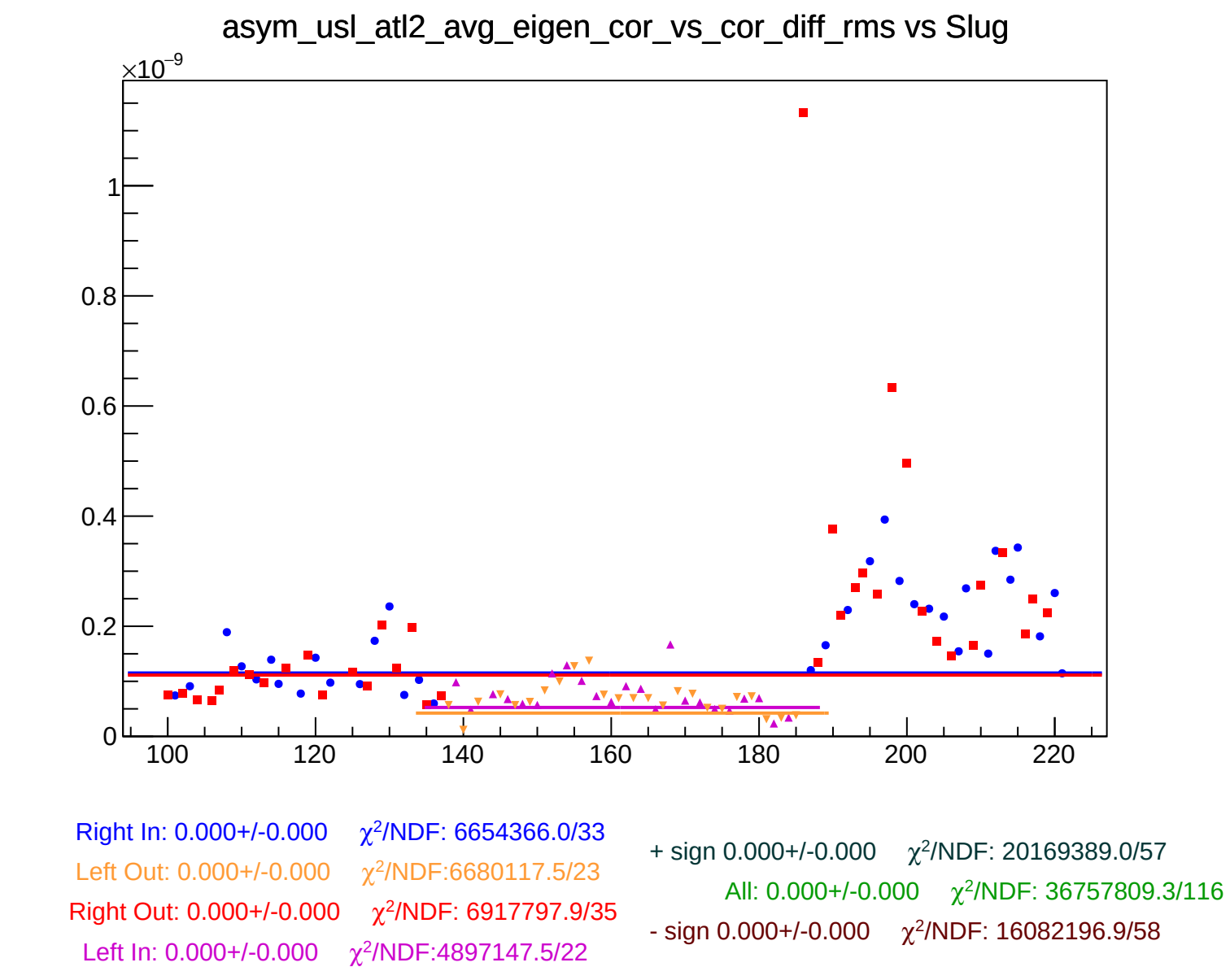
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

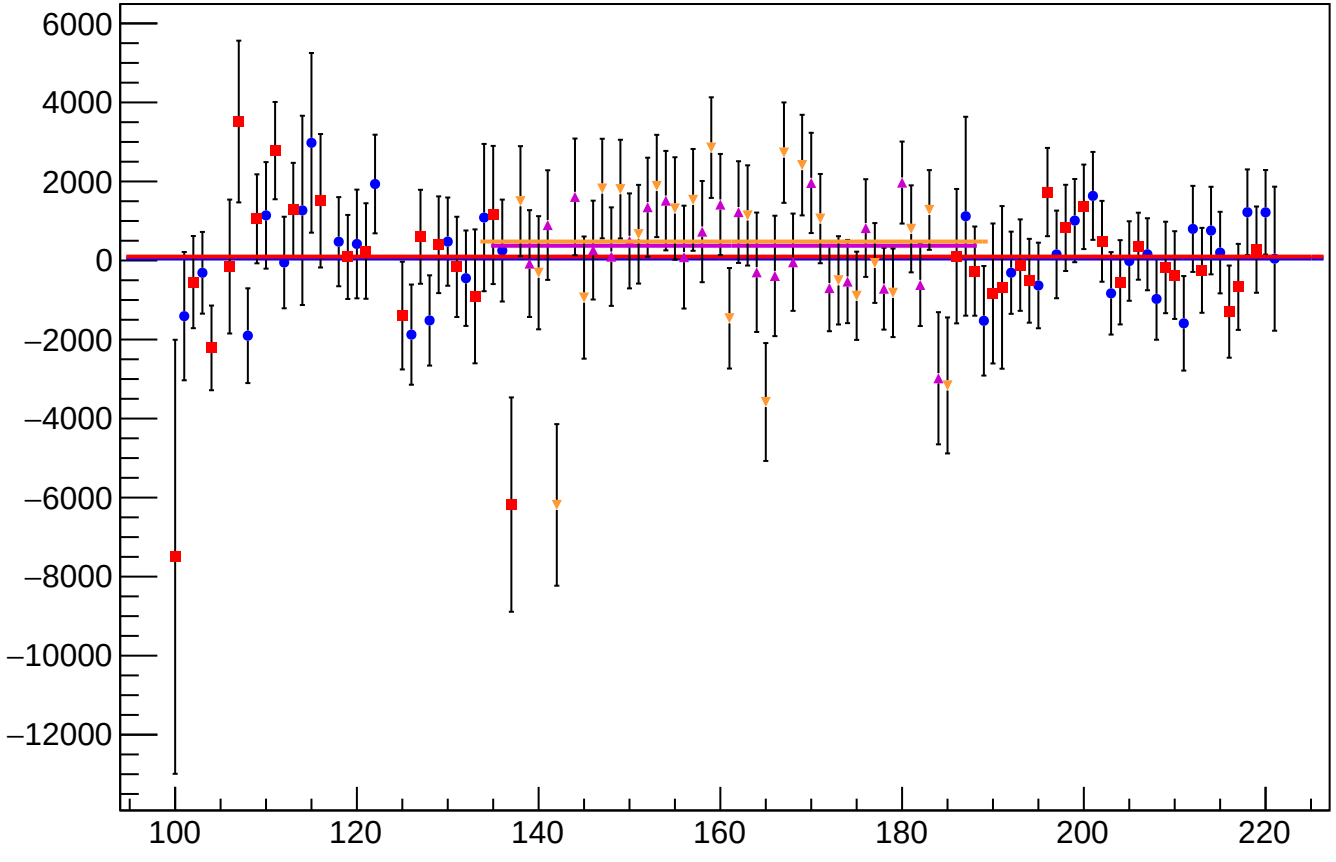
+ sign -0.000+/-0.000 χ^2/NDF: 46.3/57

All: 0.000+/-0.000 χ^2/NDF: 101.5/116

- sign 0.000+/-0.000 χ^2/NDF: 52.0/58


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6654366.0/33
Left Out: 0.000+/-0.000 χ²/NDF:6680117.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 6917797.9/35
Left In: 0.000+/-0.000 χ²/NDF:4897147.5/22
+ sign 0.000+/-0.000 χ²/NDF: 20169389.0/57
All: 0.000+/-0.000 χ²/NDF: 36757809.3/116
- sign 0.000+/-0.000 χ²/NDF: 16082196.9/58

reg_asym_usl_atl2_dd_mean vs Slug



Right In: 50.043+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.125+/-206.015 χ^2/NDF: 32.2/35

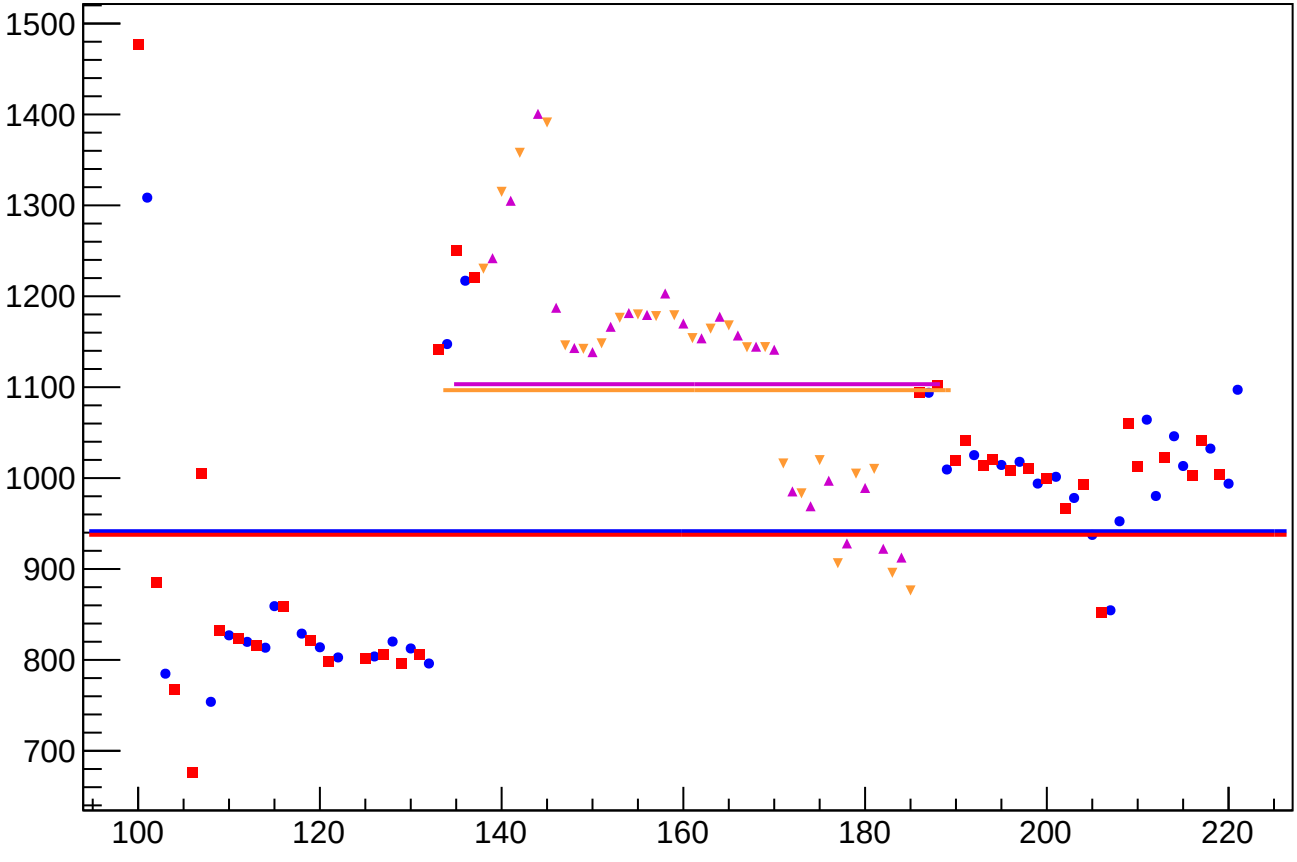
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 217.829+/-160.210 χ^2/NDF: 72.1/57

All: 211.189+/-113.671 χ^2/NDF: 121.0/116

- sign 204.457+/-161.306 χ^2/NDF: 48.9/58

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 941.577+/-0.145 χ^2/NDF: 681237.9/33

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 937.665+/-0.145 χ^2/NDF: 692054.7/35

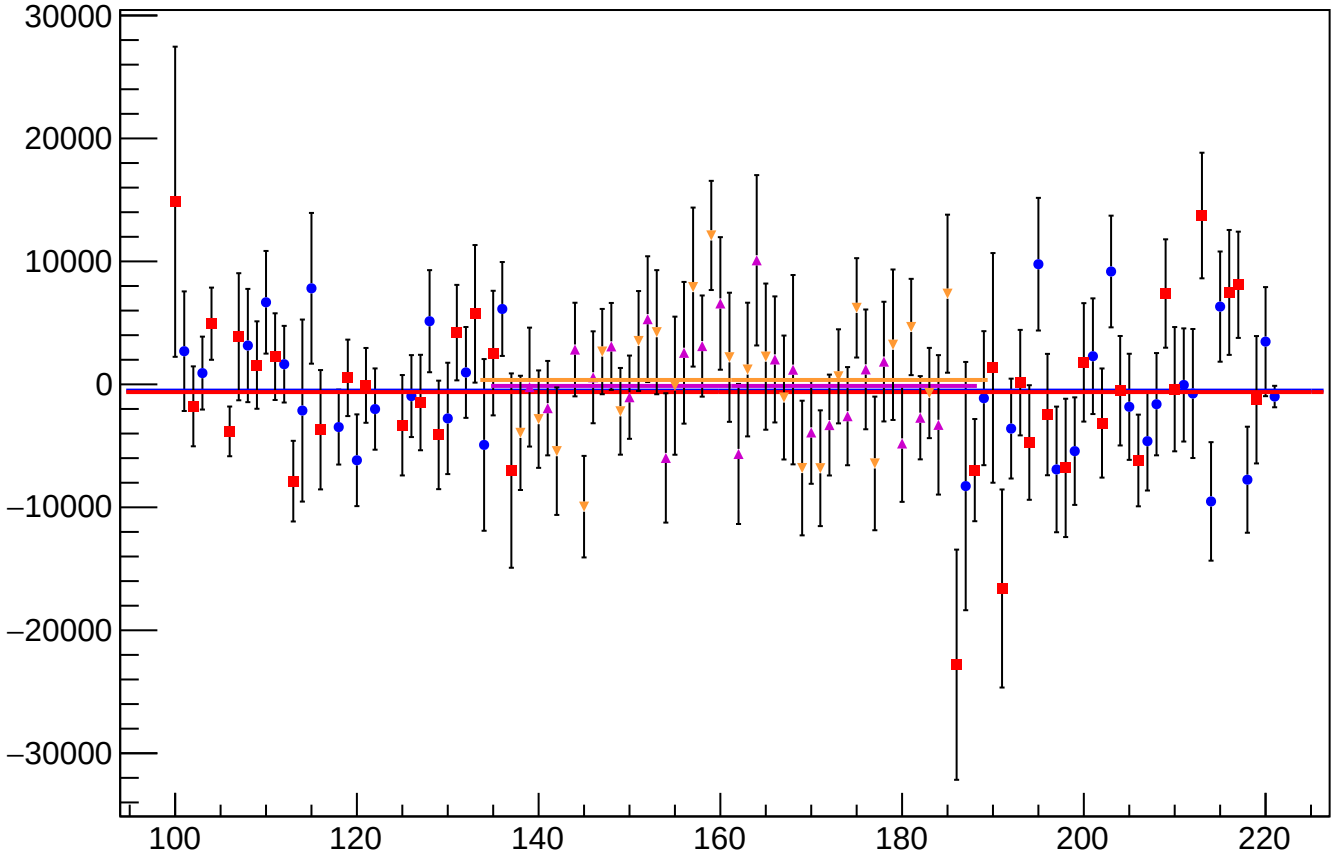
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1002.179+/-0.113 χ^2/NDF: 1608130.9/57

All: 1001.764+/-0.080 χ^2/NDF: 3249861.5/11

- sign 1001.346+/-0.114 χ^2/NDF: 1641703.6/58

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -508.285+/-565.367 χ^2/NDF: 39.3/33

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -627.790+/-693.249 χ^2/NDF: 54.7/35

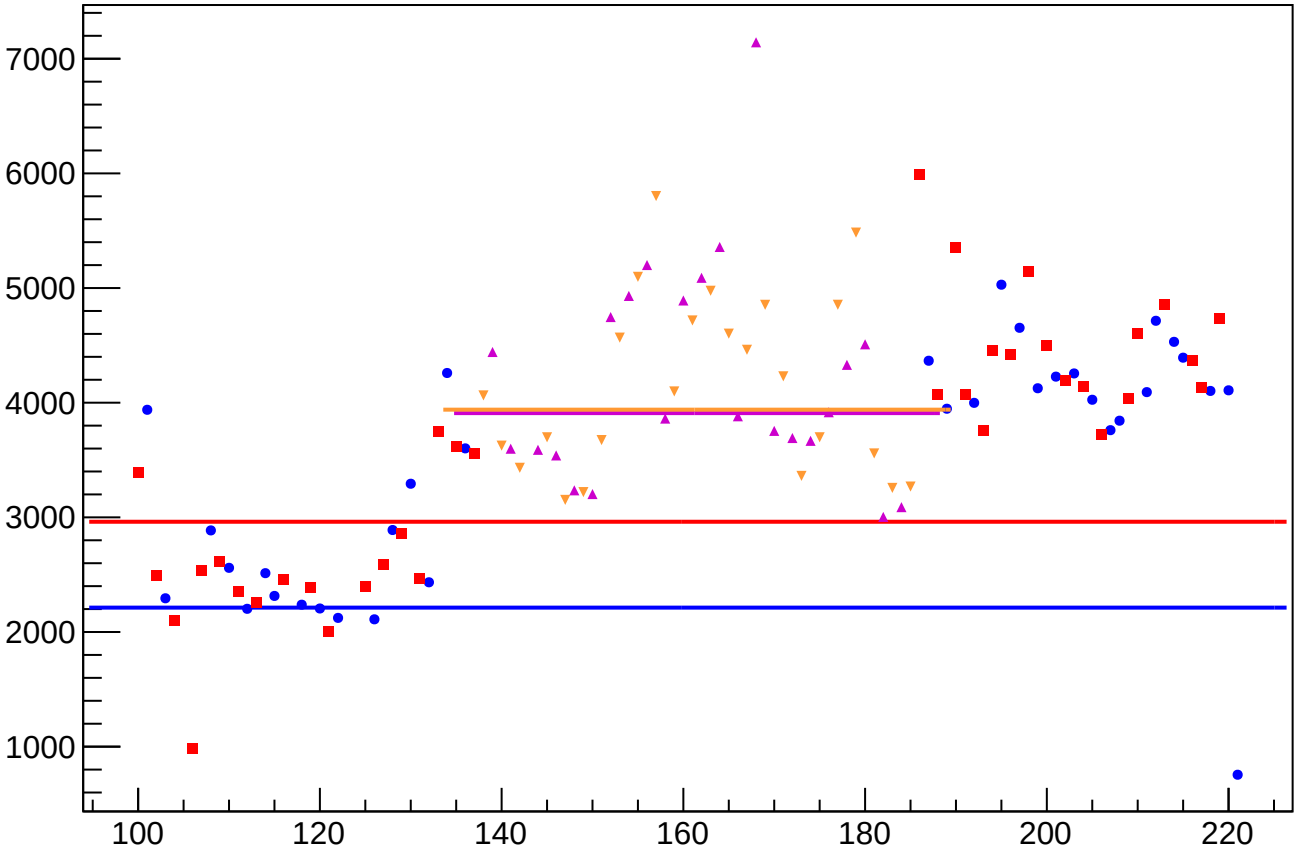
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign -276.139+/-483.691 χ^2/NDF: 70.2/57

All: -350.744+/-365.034 χ^2/NDF: 138.9/116

- sign -449.459+/-556.380 χ^2/NDF: 68.6/58

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2212.678+/-0.400 χ^2/NDF: 12772861.3/33

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2961.645+/-0.490 χ^2/NDF: 5761764.6/35

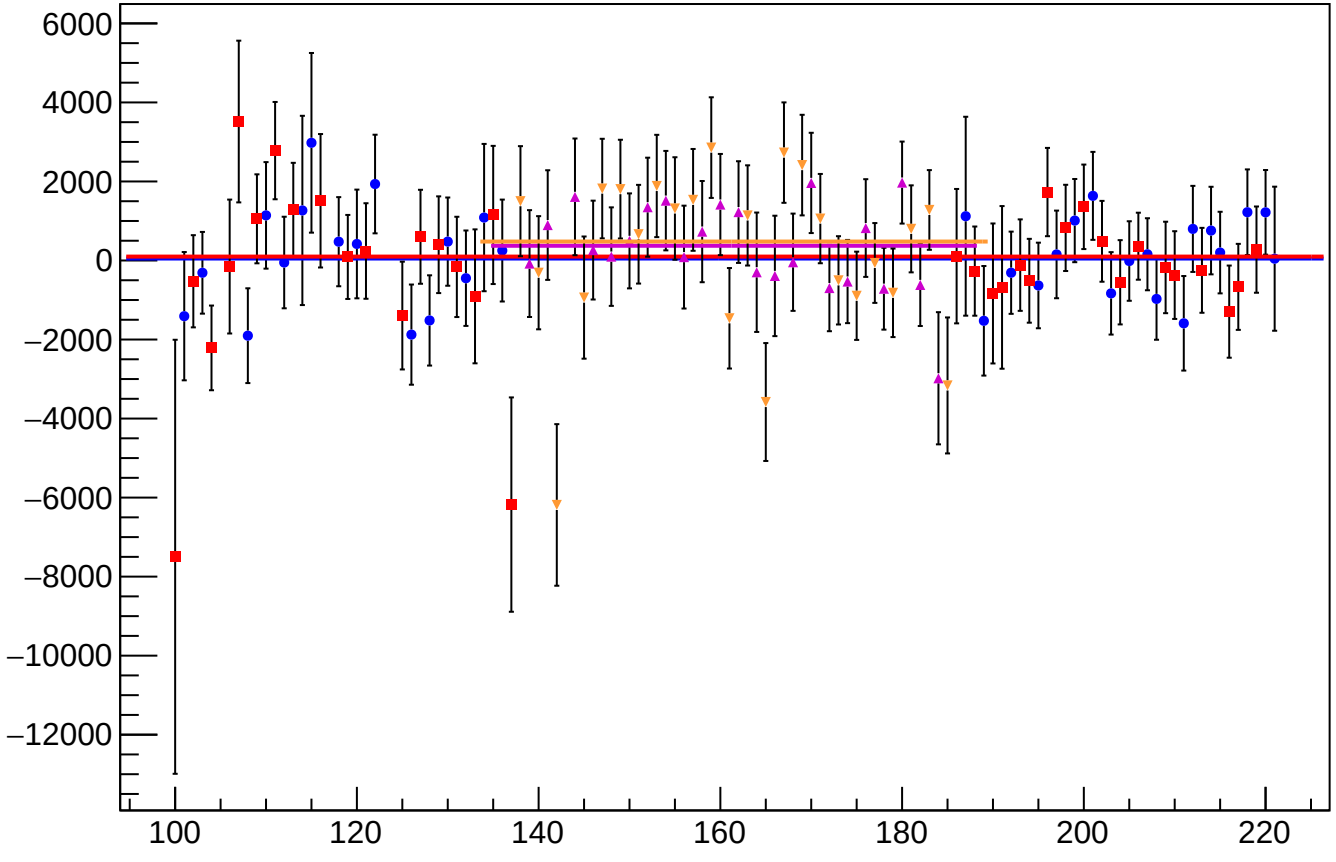
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 2675.511+/-0.342 χ^2/NDF: 18865647.3/57

All: 2943.824+/-0.258 χ^2/NDF: 28687480.9/1

- sign 3298.841+/-0.393 χ^2/NDF: 8392100.3/58

cor_asym_usl_atl2_dd_mean vs Slug



Right In: 50.047+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.812+/-206.017 χ^2/NDF: 32.2/35

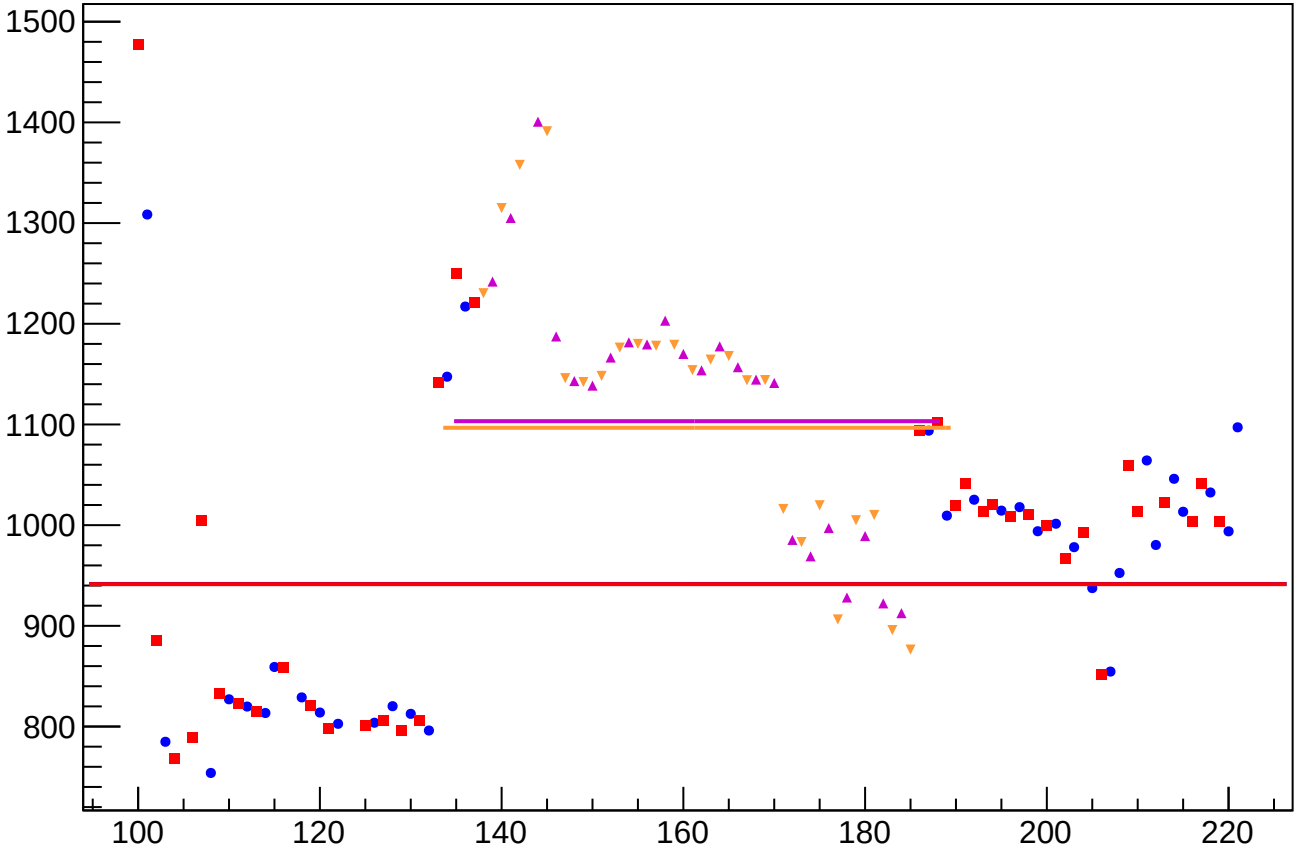
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 217.842+/-160.210 χ^2/NDF: 72.1/57

All: 211.400+/-113.671 χ^2/NDF: 121.0/116

- sign 204.870+/-161.306 χ^2/NDF: 48.9/58

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 941.577+/-0.145 χ^2/NDF: 681237.8/33

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

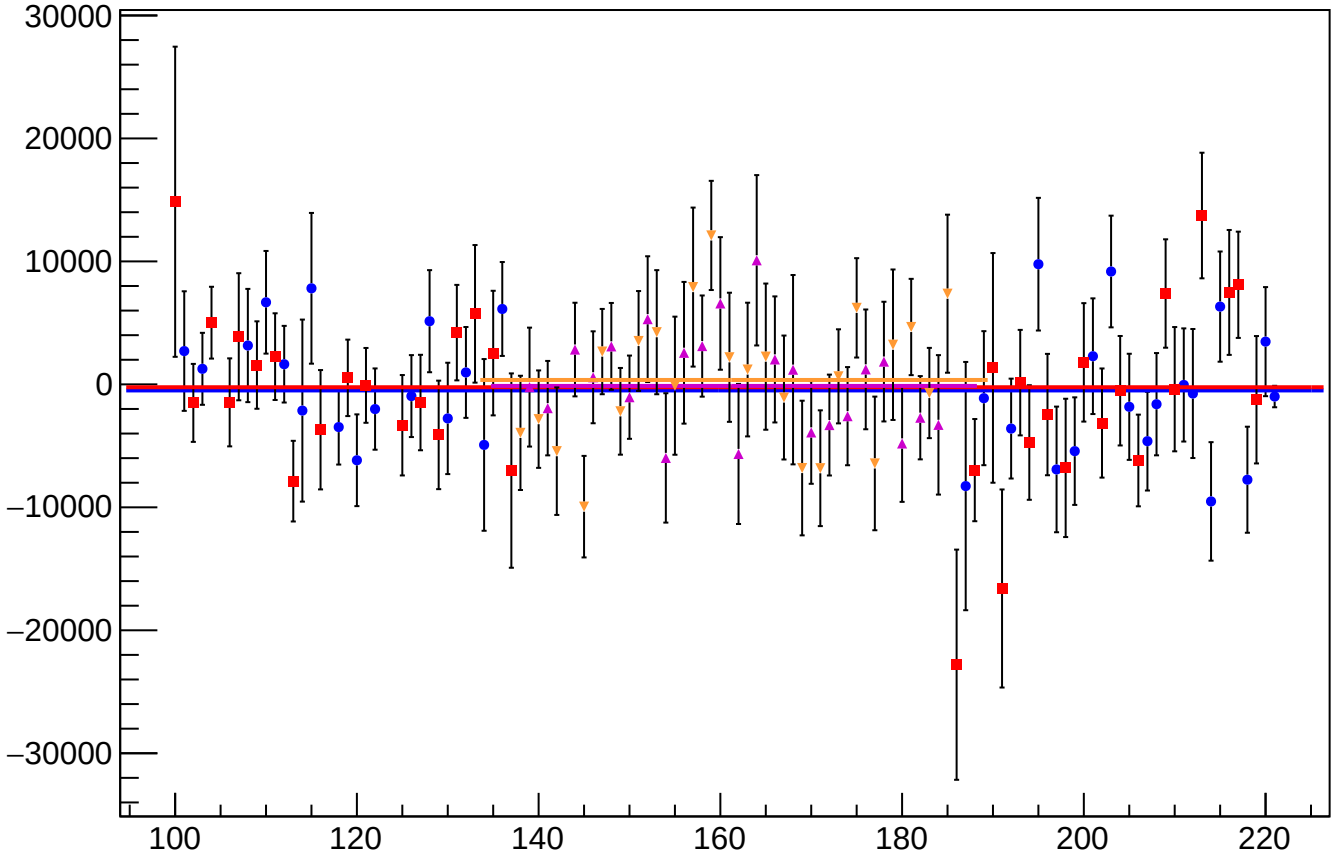
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1002.179+/-0.113 χ^2/NDF: 1608131.0/57

All: 1003.023+/-0.080 χ^2/NDF: 3164391.9/11

- sign 1003.876+/-0.114 χ^2/NDF: 1556149.3/58

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -493.270+/-565.050 χ^2/NDF: 39.5/33

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -234.294+/-721.645 χ^2/NDF: 52.0/35

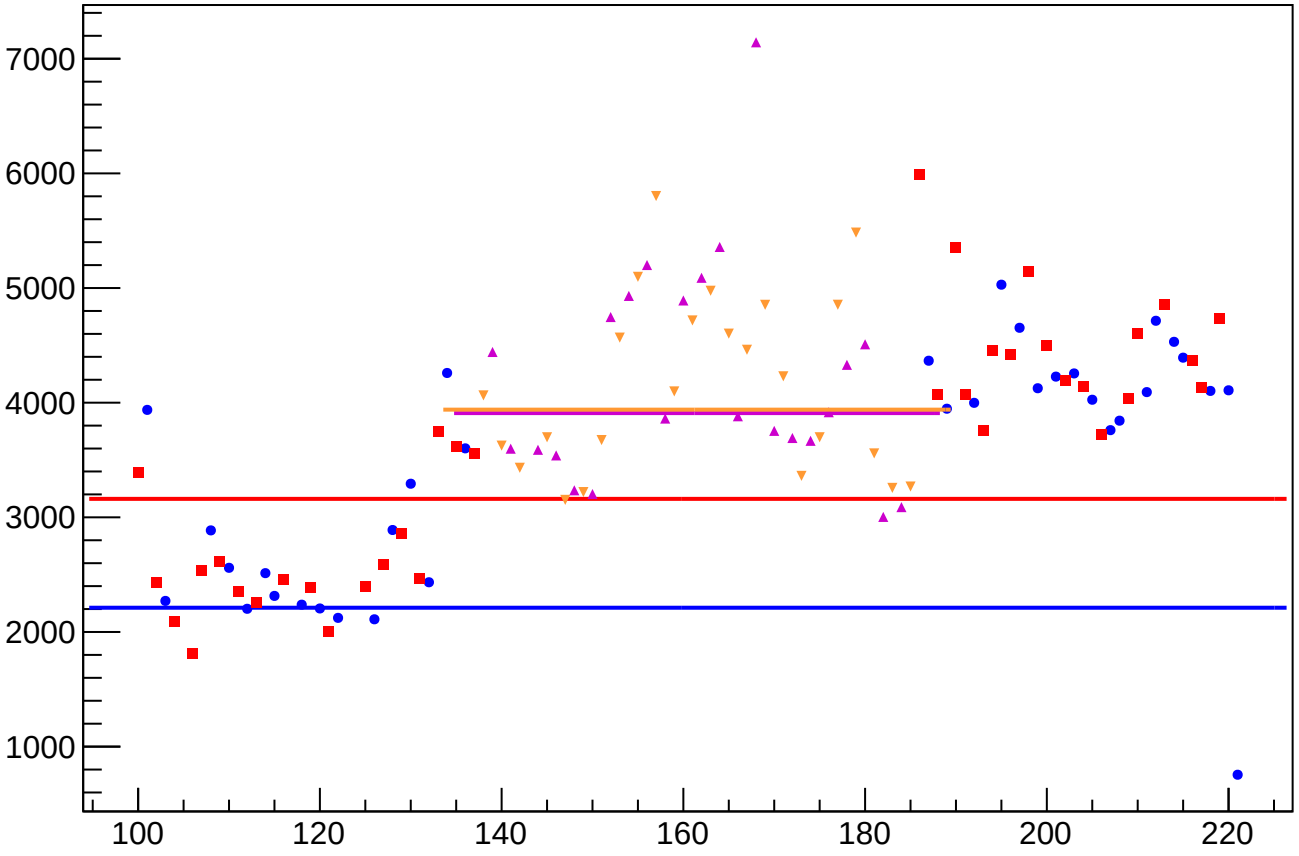
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign -265.337+/-483.492 χ^2/NDF: 70.3/57

All: -235.522+/-368.913 χ^2/NDF: 136.2/116

- sign -193.976+/-570.741 χ^2/NDF: 65.8/58

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2211.553+/-0.400 χ^2/NDF: 12776164.9/33

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

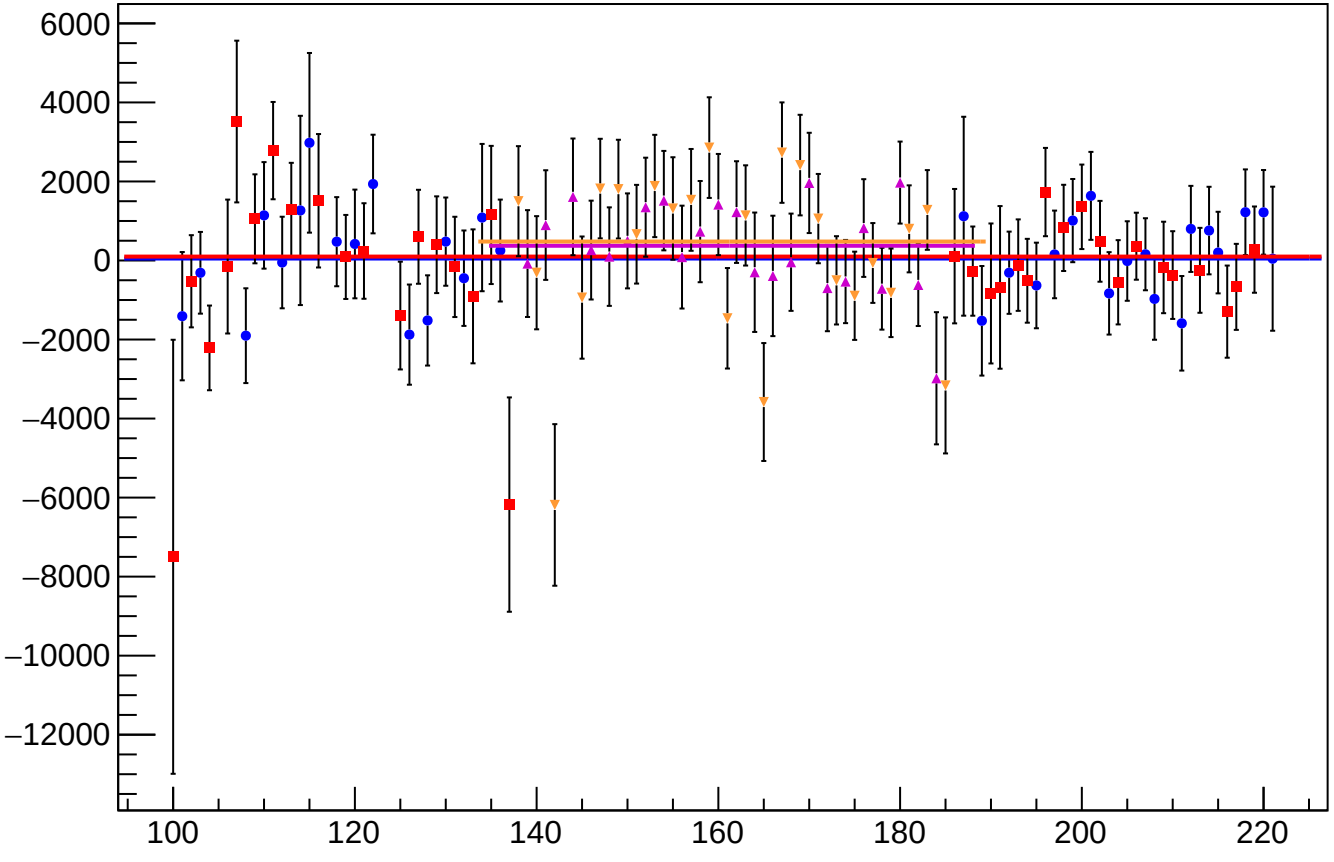
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 2674.307+/-0.342 χ^2/NDF: 18876986.2/57

All: 2994.718+/-0.261 χ^2/NDF: 27012590.9/1

- sign 3441.202+/-0.404 χ^2/NDF: 6033306.0/58

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: 50.047+/-205.235 χ^2/NDF: 25.2/33

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.812+/-206.017 χ^2/NDF: 32.2/35

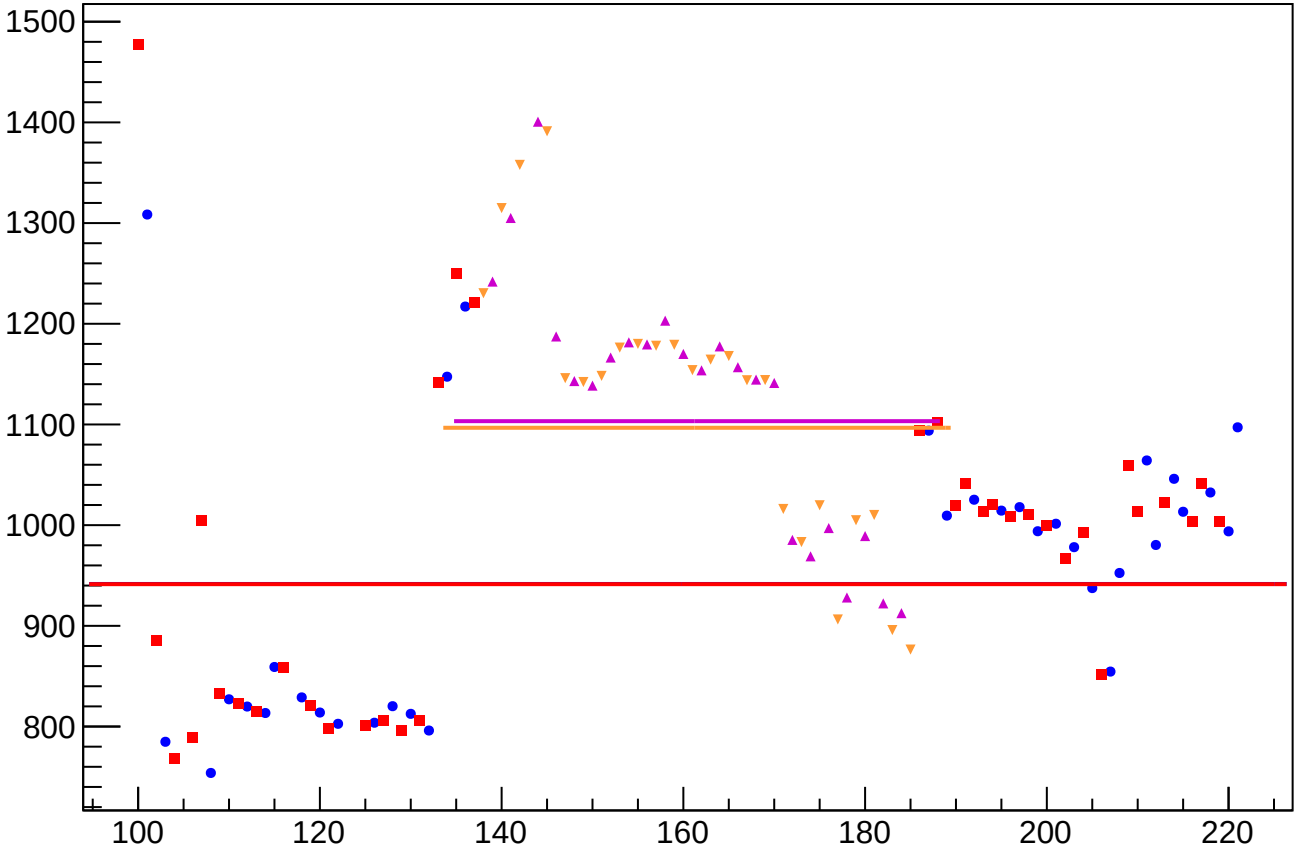
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 217.842+/-160.210 χ^2/NDF: 72.1/57

All: 211.400+/-113.671 χ^2/NDF: 121.0/116

\- sign 204.870+/-161.306 χ^2/NDF: 48.9/58

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 941.577+/-0.145 χ^2/NDF: 681237.8/33

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

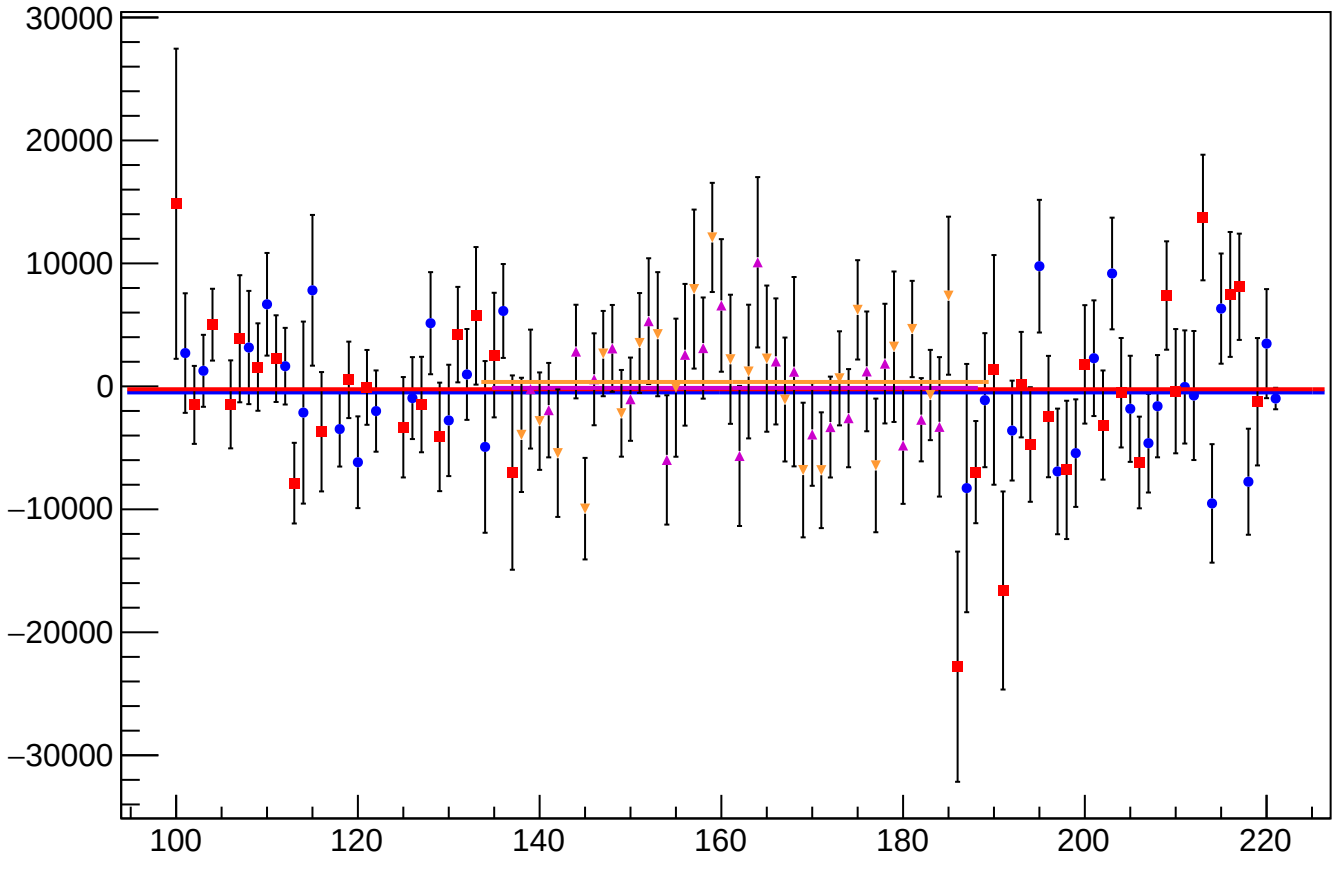
Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1002.179+/-0.113 χ^2/NDF: 1608131.0/57

All: 1003.023+/-0.080 χ^2/NDF: 3164391.9/11

- sign 1003.876+/-0.114 χ^2/NDF: 1556149.3/58



Right In: -493.270+/-565.050 χ^2/NDF: 39.5/33

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

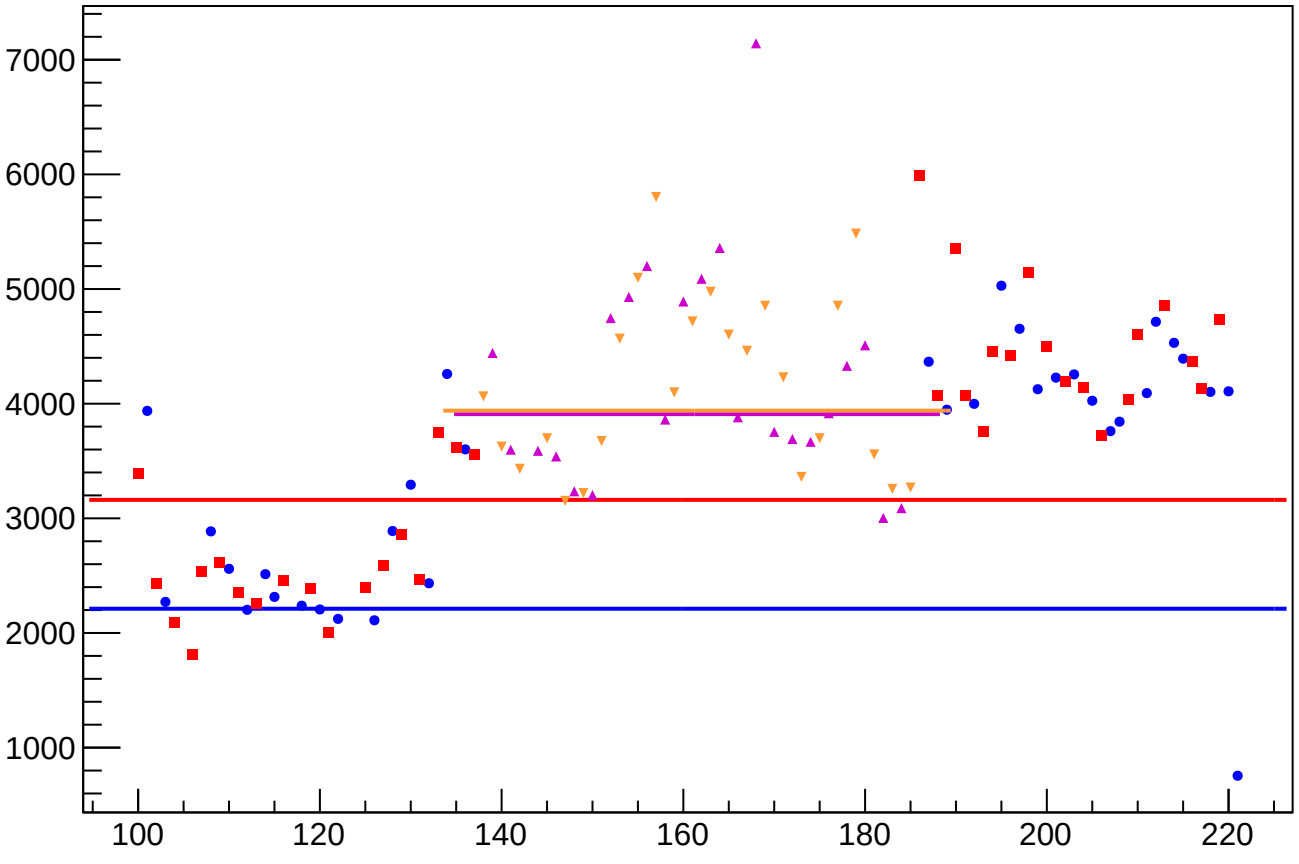
Right Out: -234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign -265.337+/-483.492 χ^2/NDF: 70.3/57

All: -235.522+/-368.913 χ^2/NDF: 136.2/116

- sign -193.976+/-570.741 χ^2/NDF: 65.8/58



Right In: 2211.553+/-0.400 χ^2/NDF: 12776164.9/33

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

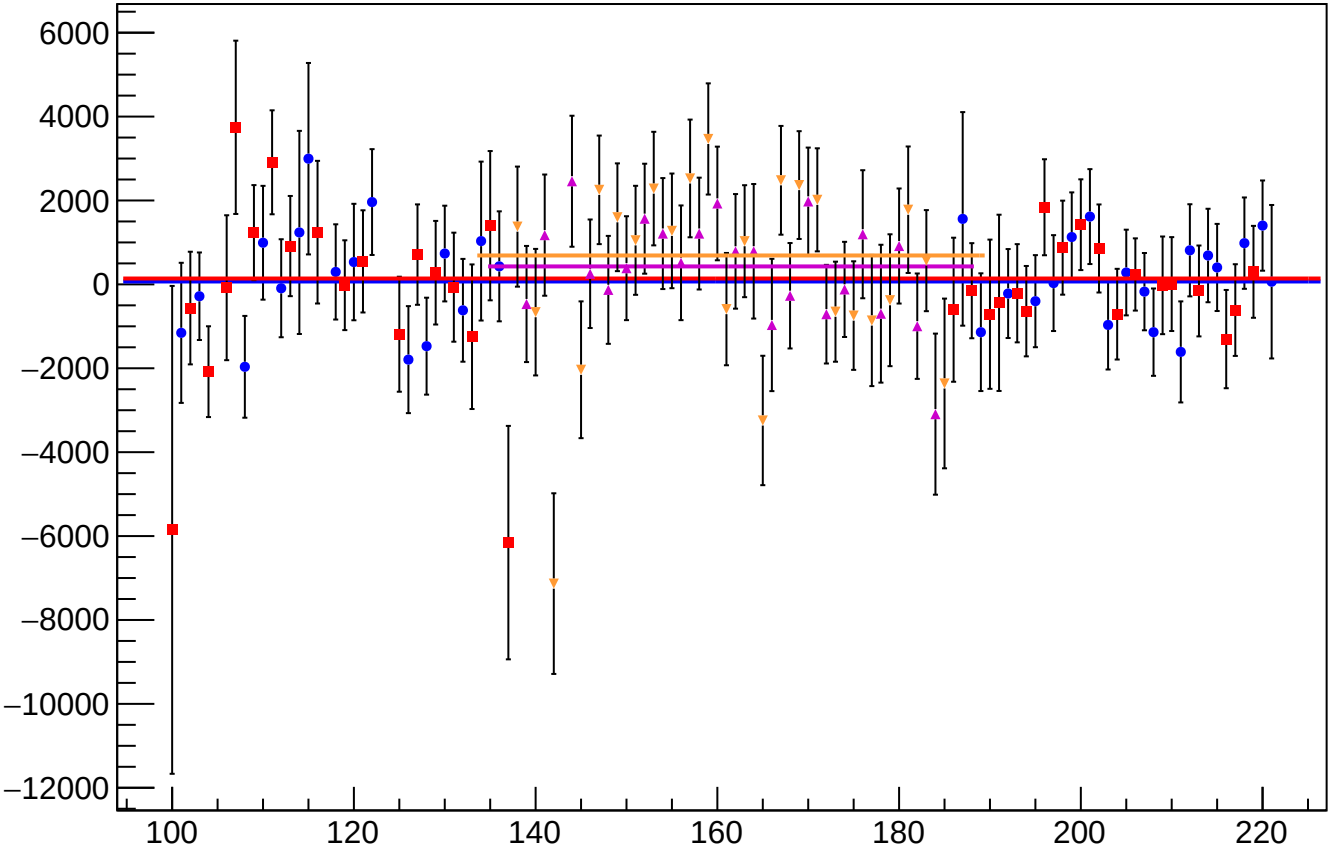
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 2674.307+/-0.342 χ^2/NDF: 18876986.2/57

All: 2994.718+/-0.261 χ^2/NDF: 27012590.9/1

- sign 3441.202+/-0.404 χ^2/NDF: 6033306.0/58

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 69.175+/-207.640 χ^2/NDF: 24.8/33

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 139.765+/-209.159 χ^2/NDF: 31.4/35

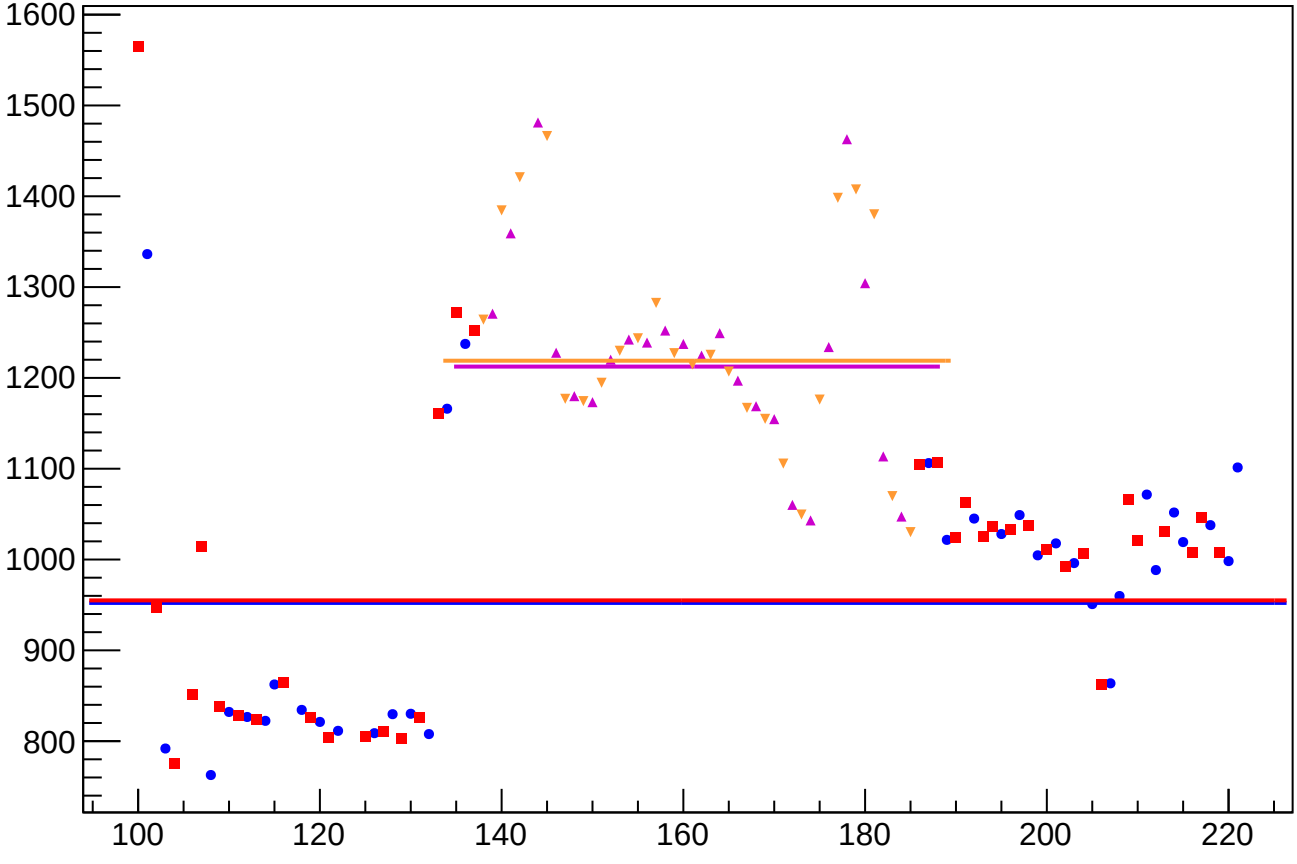
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 284.731+/-167.698 χ^2/NDF: 73.6/57

All: 262.953+/-118.861 χ^2/NDF: 120.4/116

- sign 240.967+/-168.494 χ^2/NDF: 46.7/58

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 952.231+/-0.147 χ^2/NDF: 692809.0/33

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 955.008+/-0.148 χ^2/NDF: 626378.4/35

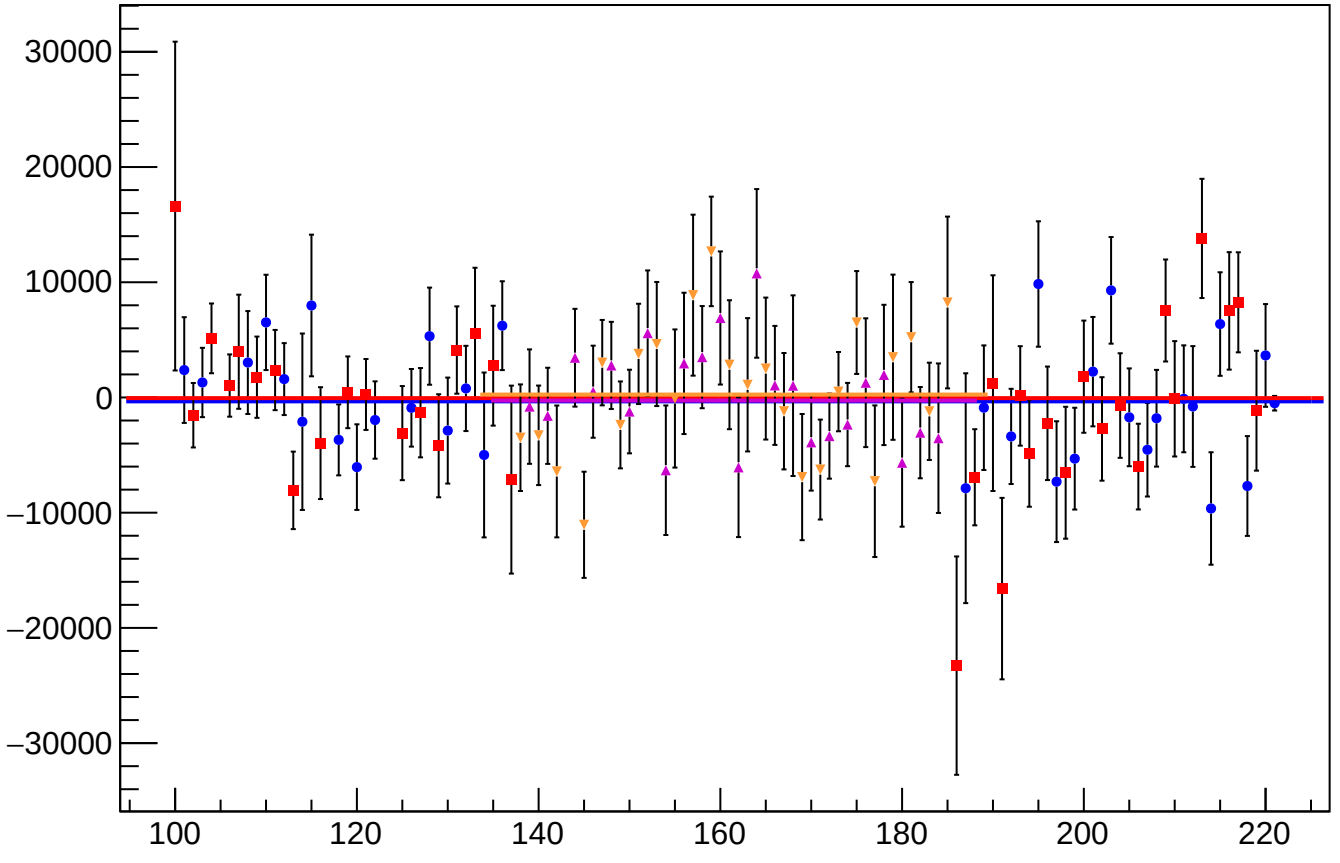
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1044.967+/-0.119 χ^2/NDF: 2133983.4/57

All: 1045.150+/-0.084 χ^2/NDF: 4084605.5/11

- sign 1045.334+/-0.119 χ^2/NDF: 1950617.4/58

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: -338.140+/-483.499 χ^2/NDF: 38.8/33

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -58.872+/-709.227 χ^2/NDF: 52.0/35

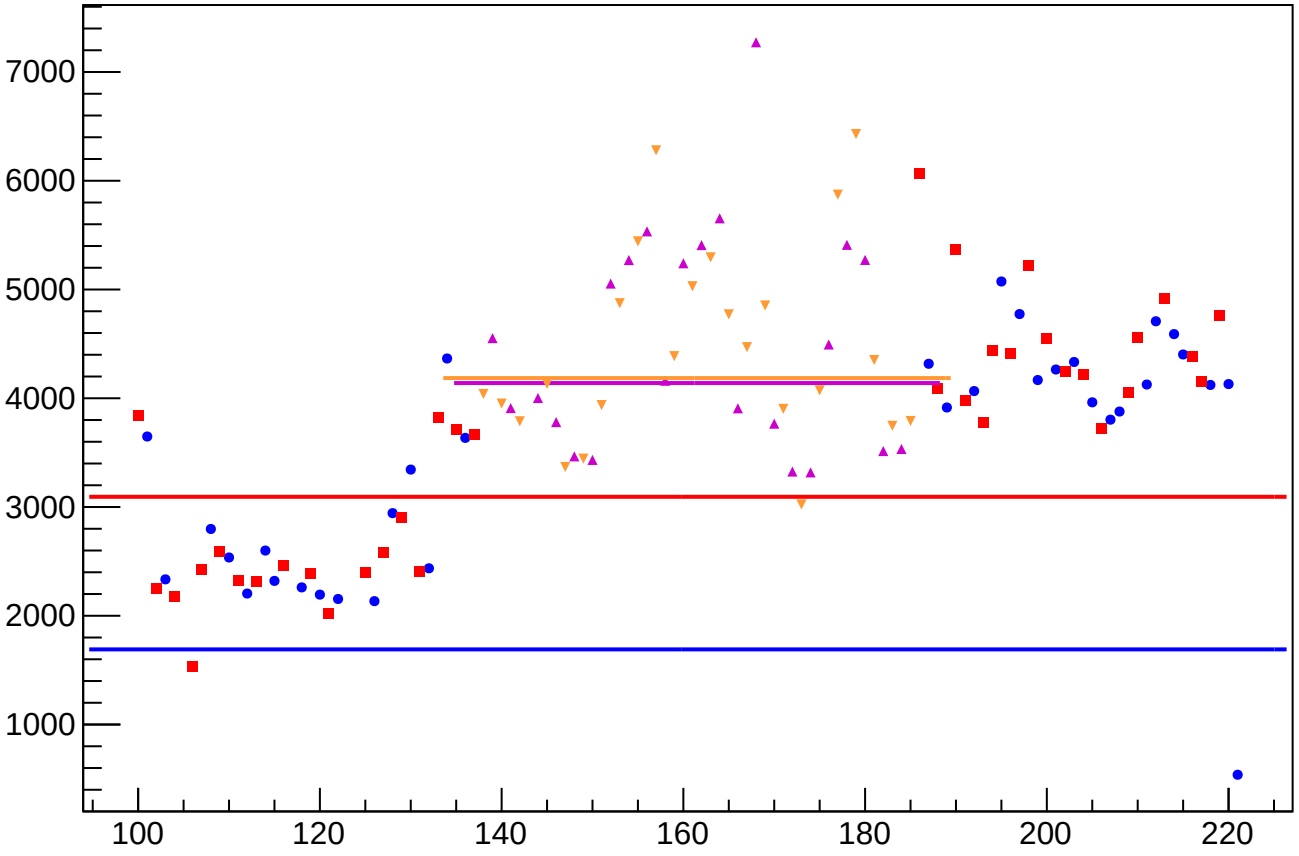
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign -225.284+/-434.887 χ^2/NDF: 68.7/57

All: -190.439+/-347.196 χ^2/NDF: 134.3/116

- sign -129.192+/-576.563 χ^2/NDF: 65.5/58

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 1690.835+/-0.342 χ^2/NDF: 18846937.1/33

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3093.932+/-0.501 χ^2/NDF: 4481835.1/35

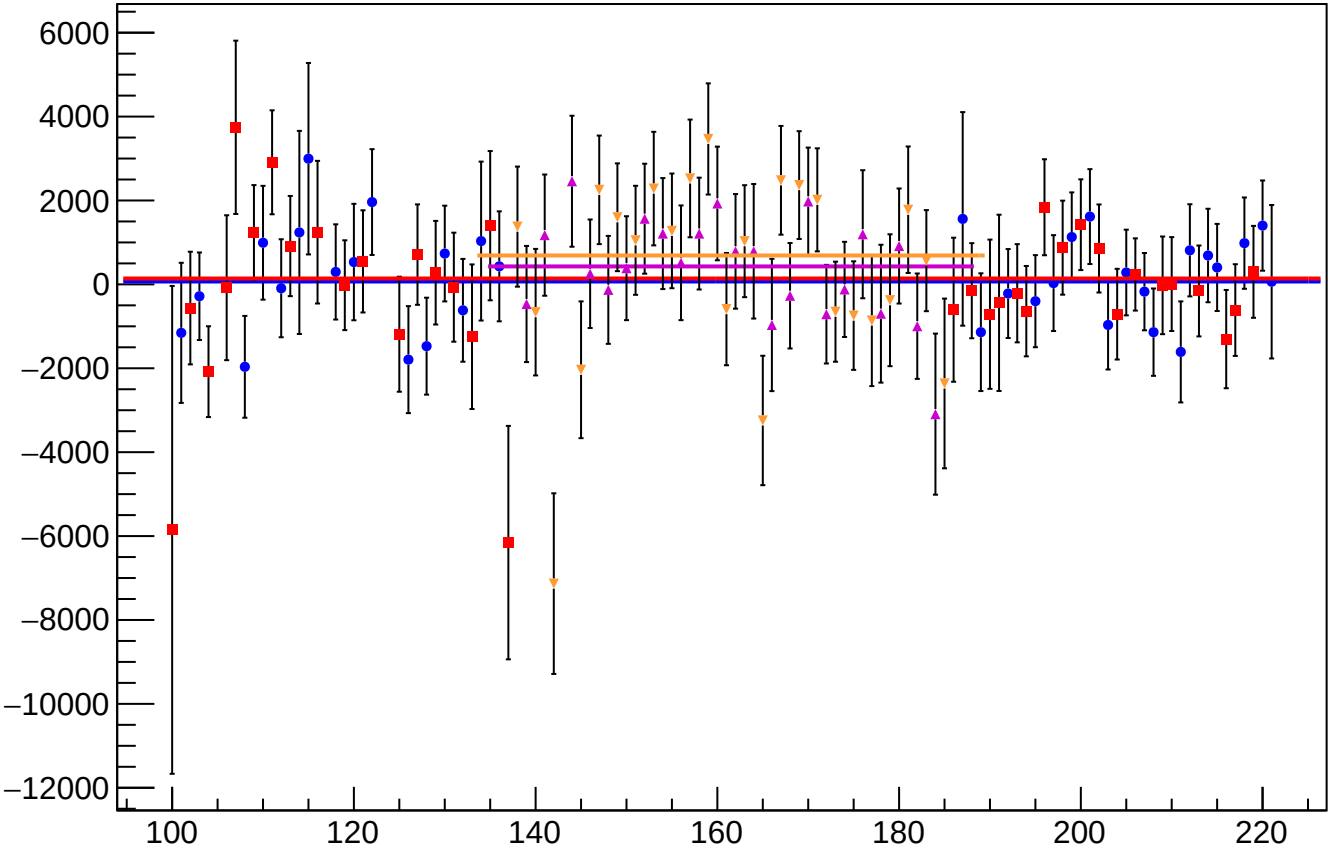
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 2167.284+/-0.308 χ^2/NDF: 30287554.7/57

All: 2631.951+/-0.246 χ^2/NDF: 43991524.2/1

- sign 3448.690+/-0.408 χ^2/NDF: 7407375.8/58

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 69.172+/-207.640 χ^2/NDF: 24.8/33

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 139.764+/-209.159 χ^2/NDF: 31.4/35

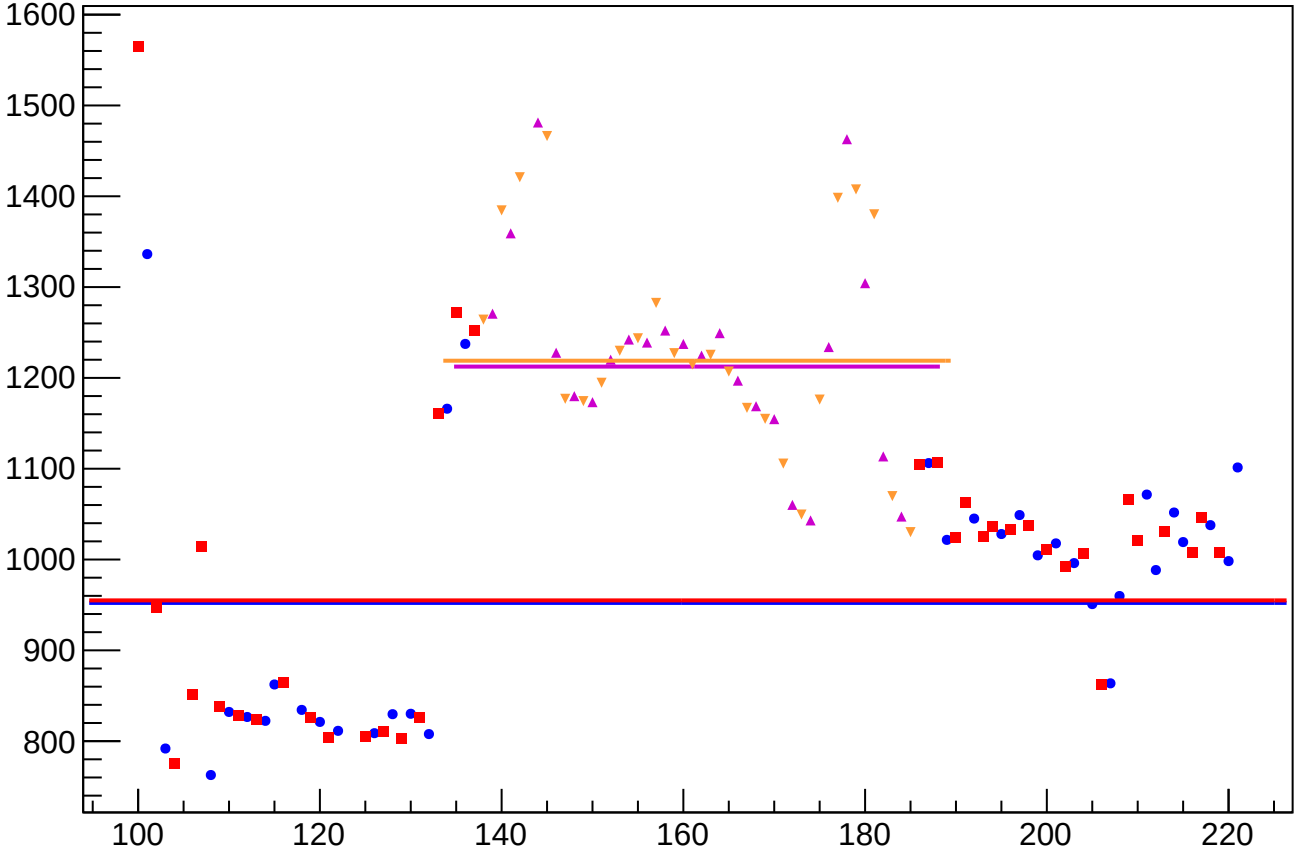
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

\+ sign 284.730+/-167.698 χ^2/NDF: 73.6/57

All: 262.951+/-118.861 χ^2/NDF: 120.4/116

\- sign 240.965+/-168.494 χ^2/NDF: 46.7/58

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 952.231+/-0.147 χ^2/NDF: 692808.8/33

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

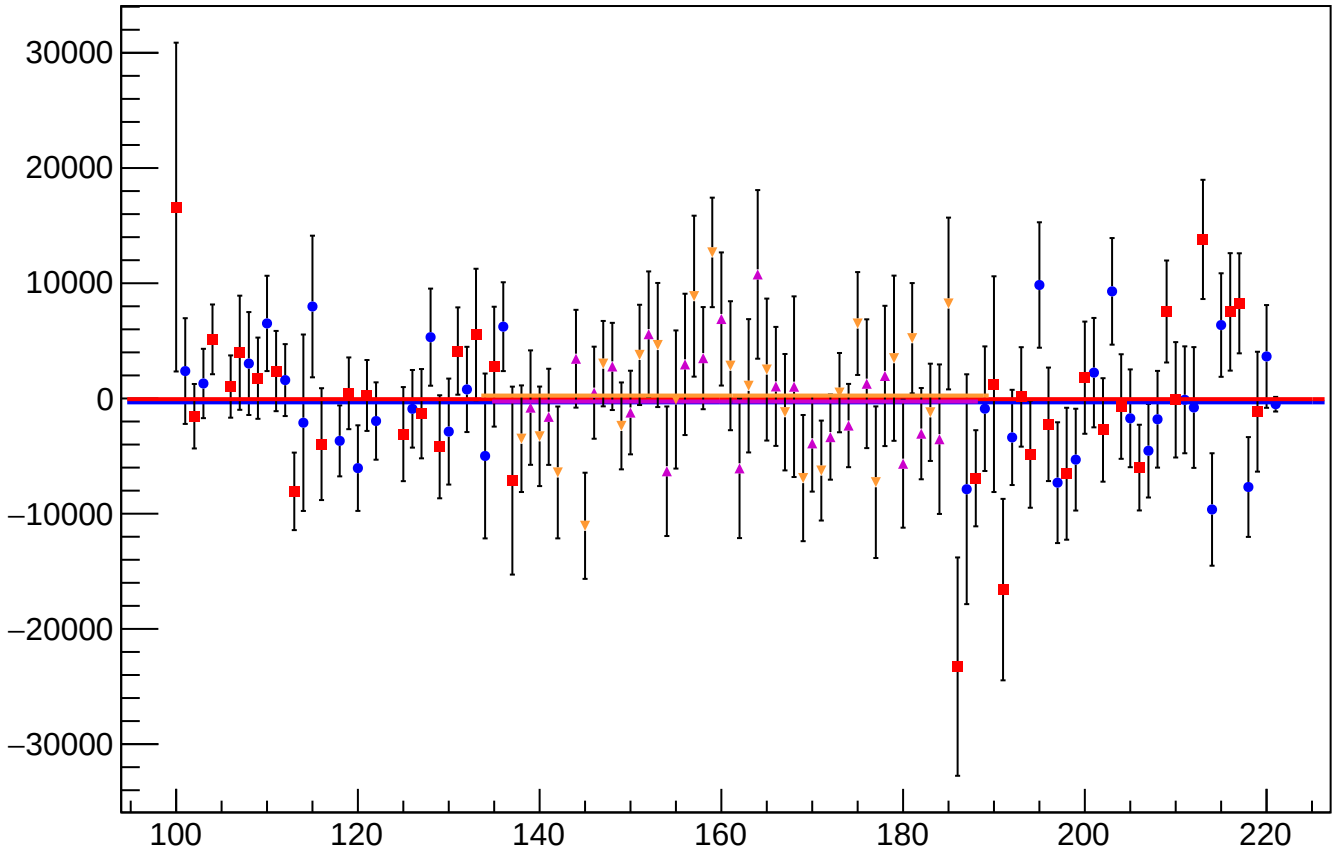
Right Out: 955.008+/-0.148 χ^2/NDF: 626378.8/35

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1044.968+/-0.119 χ^2/NDF: 2134000.4/57

All: 1045.150+/-0.084 χ^2/NDF: 4084640.0/11

- sign 1045.334+/-0.119 χ^2/NDF: 1950634.9/58



Right In: -338.137+/-483.500 χ^2/NDF: 38.8/33

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

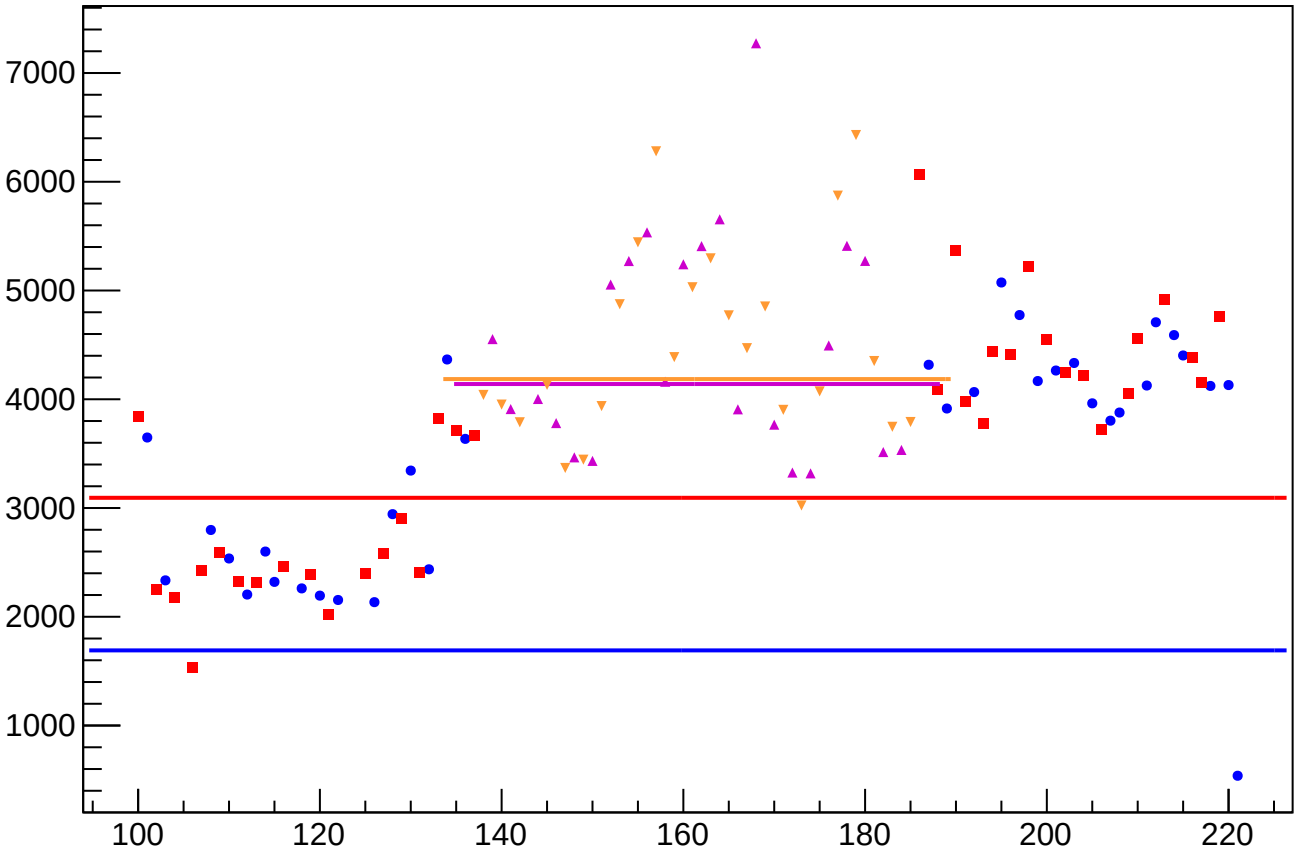
Right Out: -58.868+/-709.226 χ^2/NDF: 52.0/35

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign -225.281+/-434.888 χ^2/NDF: 68.7/57

All: -190.436+/-347.196 χ^2/NDF: 134.3/116

- sign -129.190+/-576.563 χ^2/NDF: 65.5/58



Right In: 1690.839+/-0.342 χ^2/NDF: 18846899.0/33

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3093.926+/-0.501 χ^2/NDF: 4481885.5/35

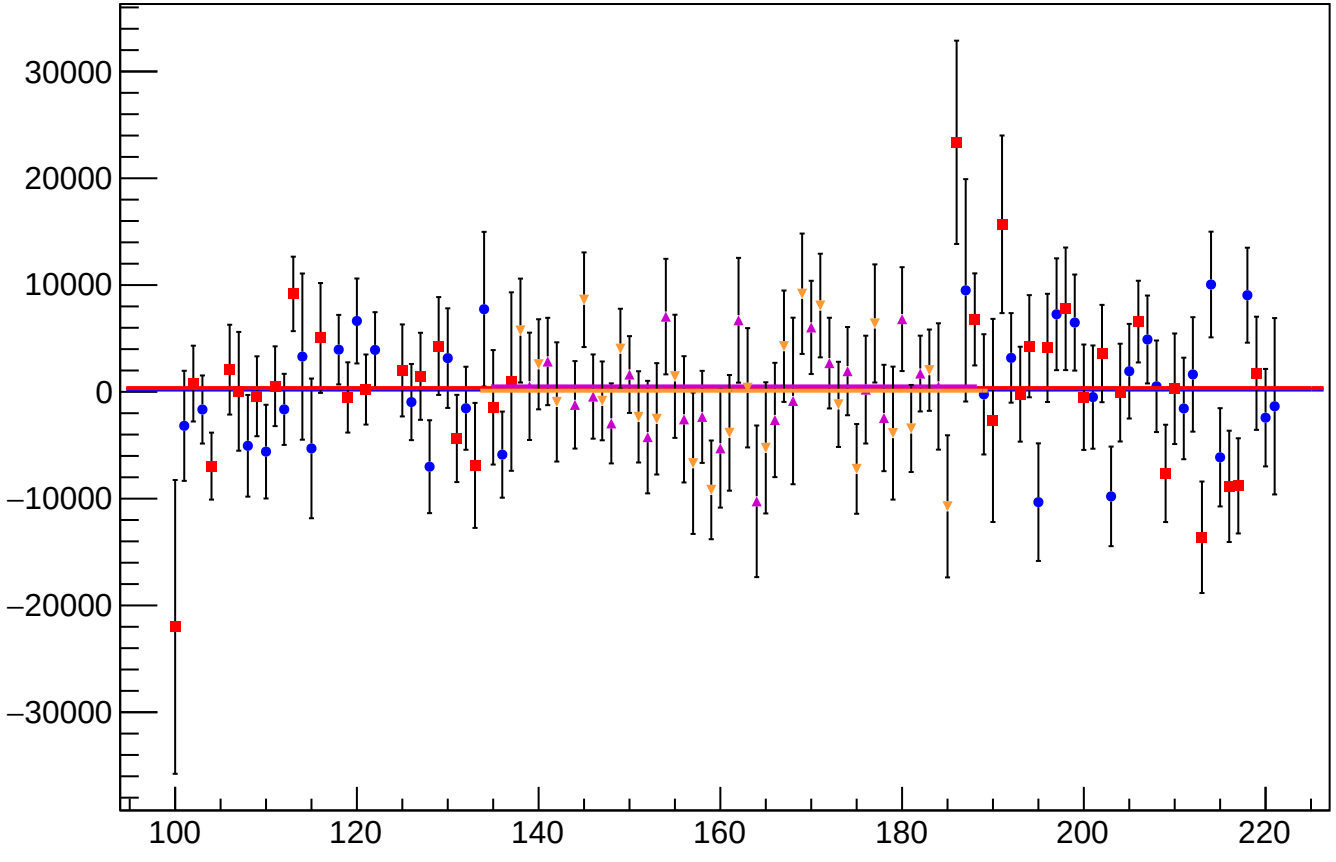
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 2167.288+/-0.308 χ^2/NDF: 30287512.6/57

All: 2631.954+/-0.246 χ^2/NDF: 43991493.6/1

- sign 3448.687+/-0.408 χ^2/NDF: 7407461.2/58

asym_usl_atl2_dd_mean vs Slug



Right In: 214.137+/-772.894 χ^2/NDF: 42.0/33

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 353.362+/-760.760 χ^2/NDF: 54.9/35

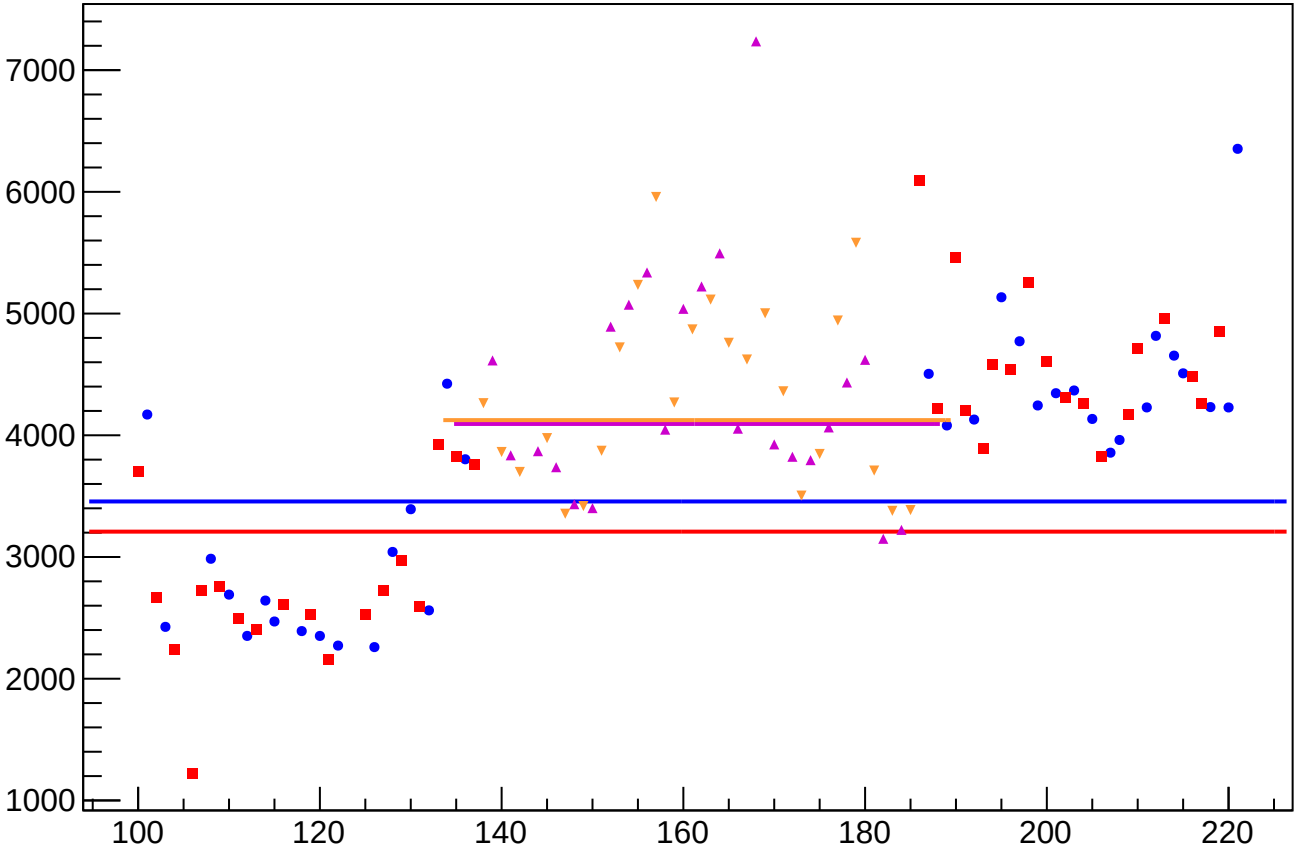
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign 173.582+/-605.819 χ^2/NDF: 70.0/57

All: 294.190+/-426.160 χ^2/NDF: 138.5/116

\- sign 412.331+/-599.591 χ^2/NDF: 68.4/58

asym_usl_atl2_dd_rms vs Slug



Right In: 3456.302+/-0.547 χ^2/NDF: 3083588.2/33

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3208.384+/-0.523 χ^2/NDF: 4594785.4/35

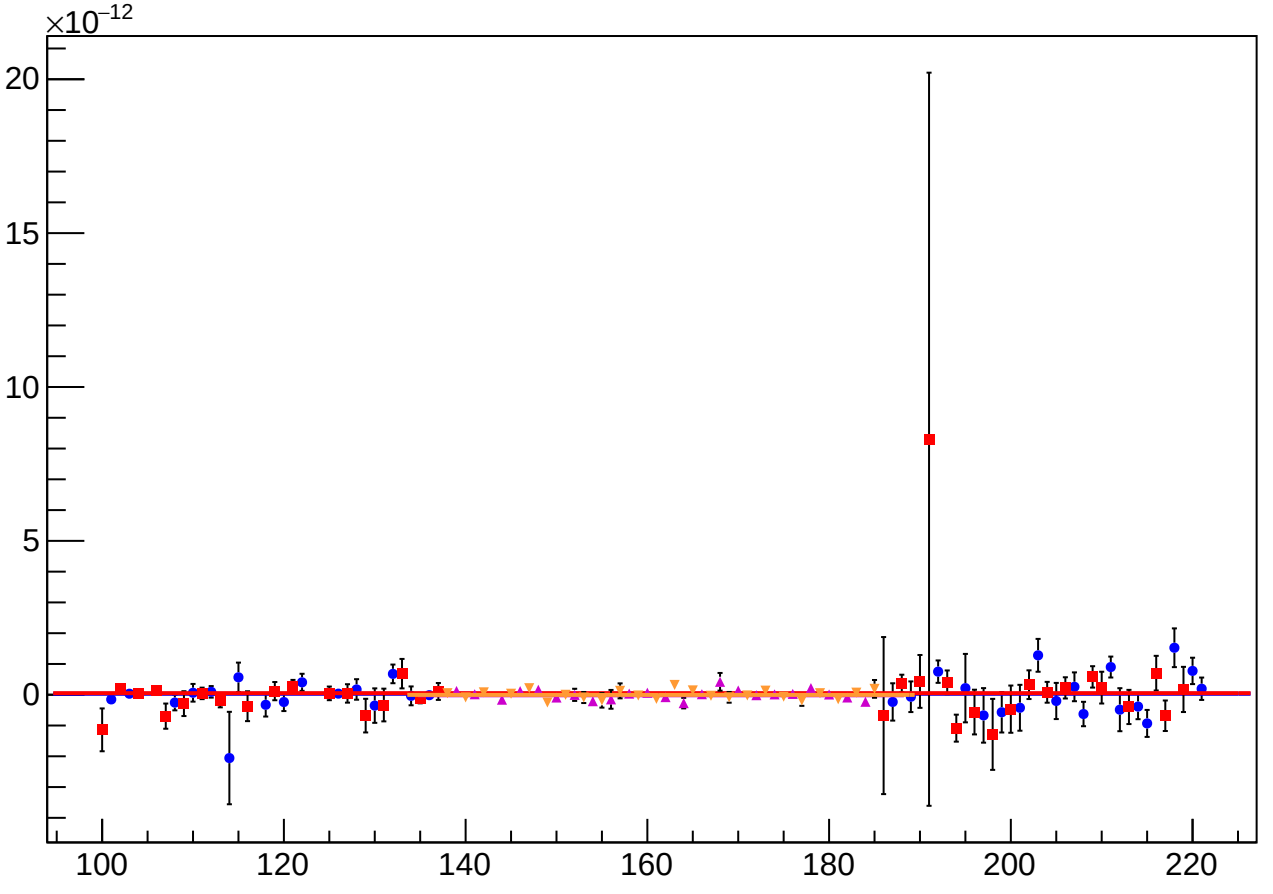
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3713.957+/-0.428 χ^2/NDF: 4629918.8/57

All: 3620.344+/-0.299 χ^2/NDF: 11526818.7/1

- sign 3531.842+/-0.417 χ^2/NDF: 6803997.8/58

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 52.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

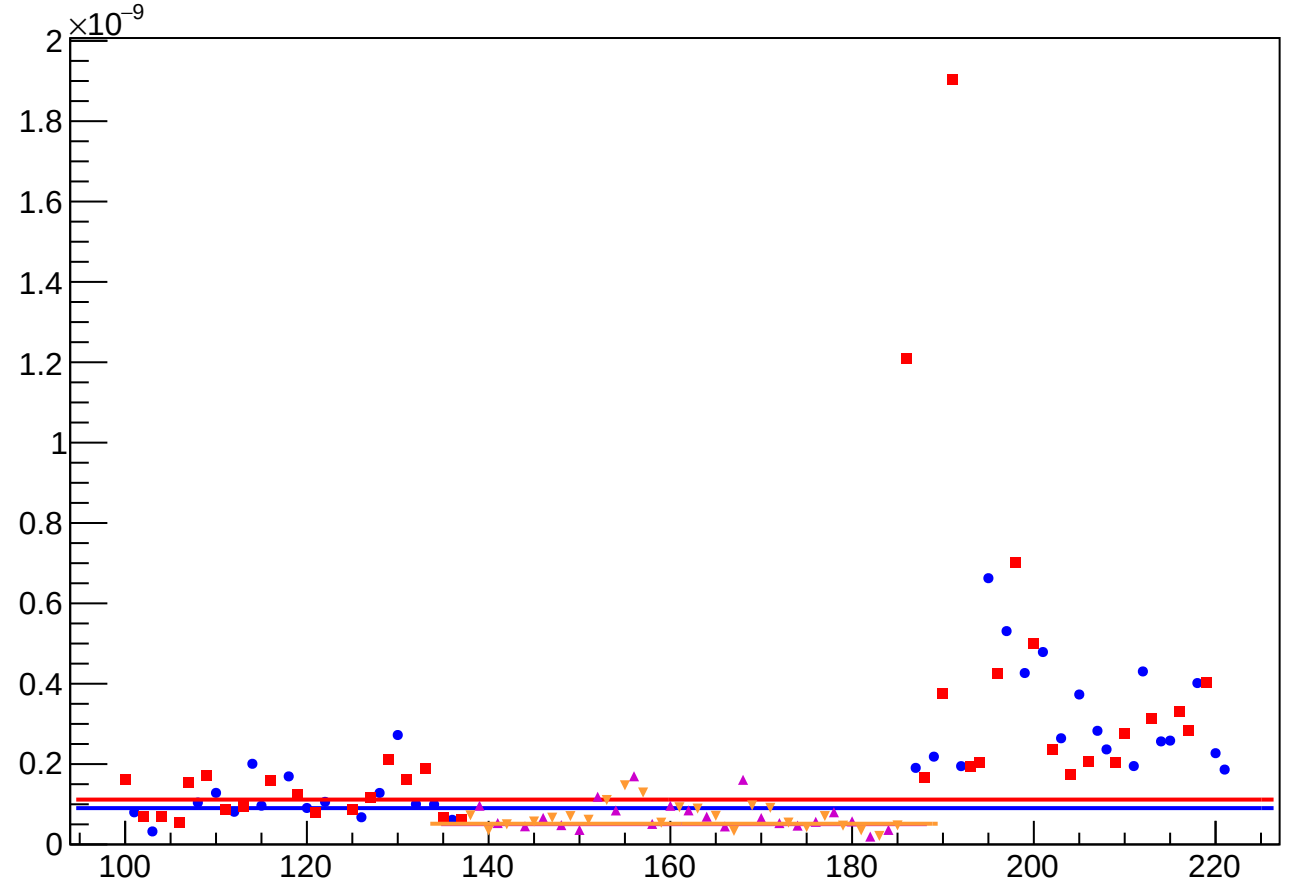
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/35

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.7/57

All: -0.000+/-0.000 χ^2/NDF: 140.5/116

- sign -0.000+/-0.000 χ^2/NDF: 63.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 7723496.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5354099.1/35

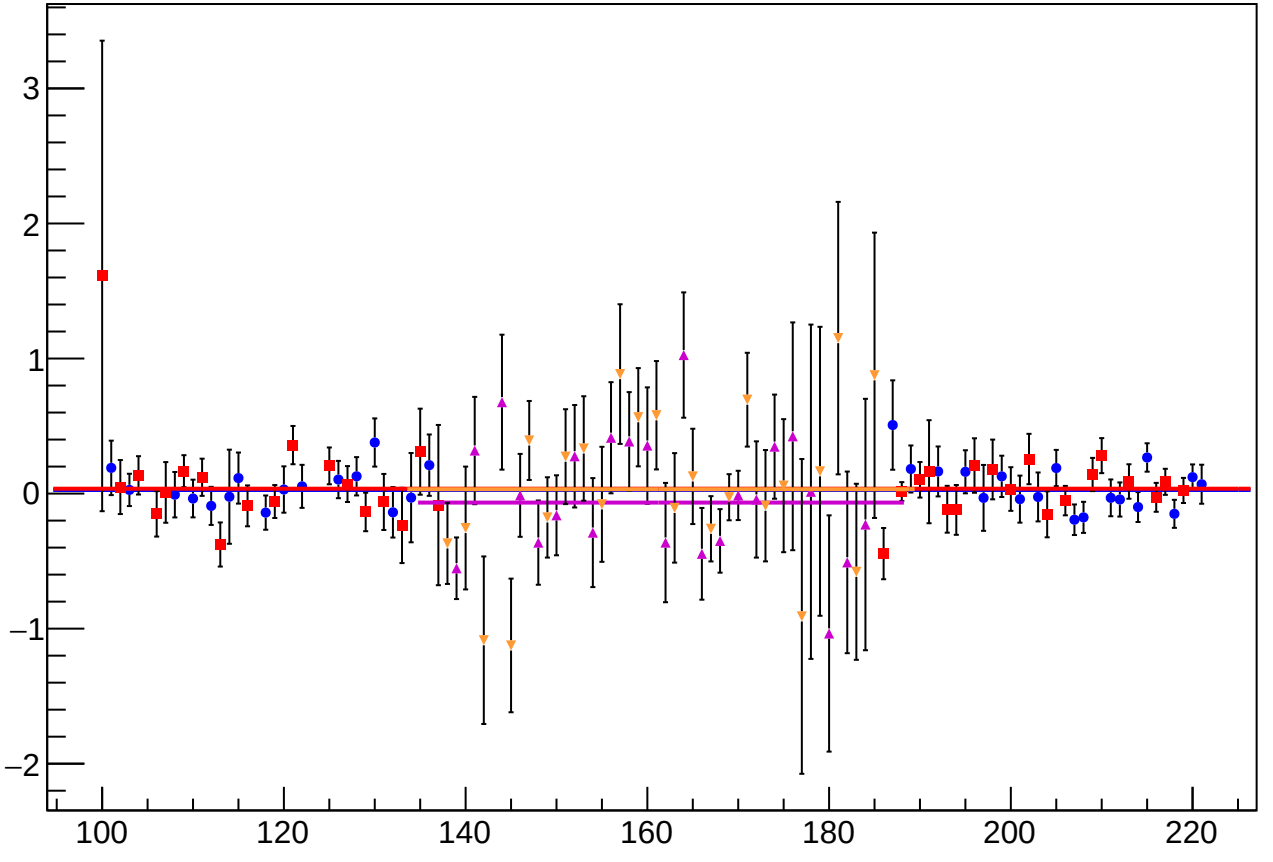
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11370406.4/57

All: 0.000+/-0.000 χ^2/NDF: 21807911.9/116

- sign 0.000+/-0.000 χ^2/NDF: 10436436.1/58

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 34.1/33

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.036+/-0.024 χ^2/NDF: 40.0/35

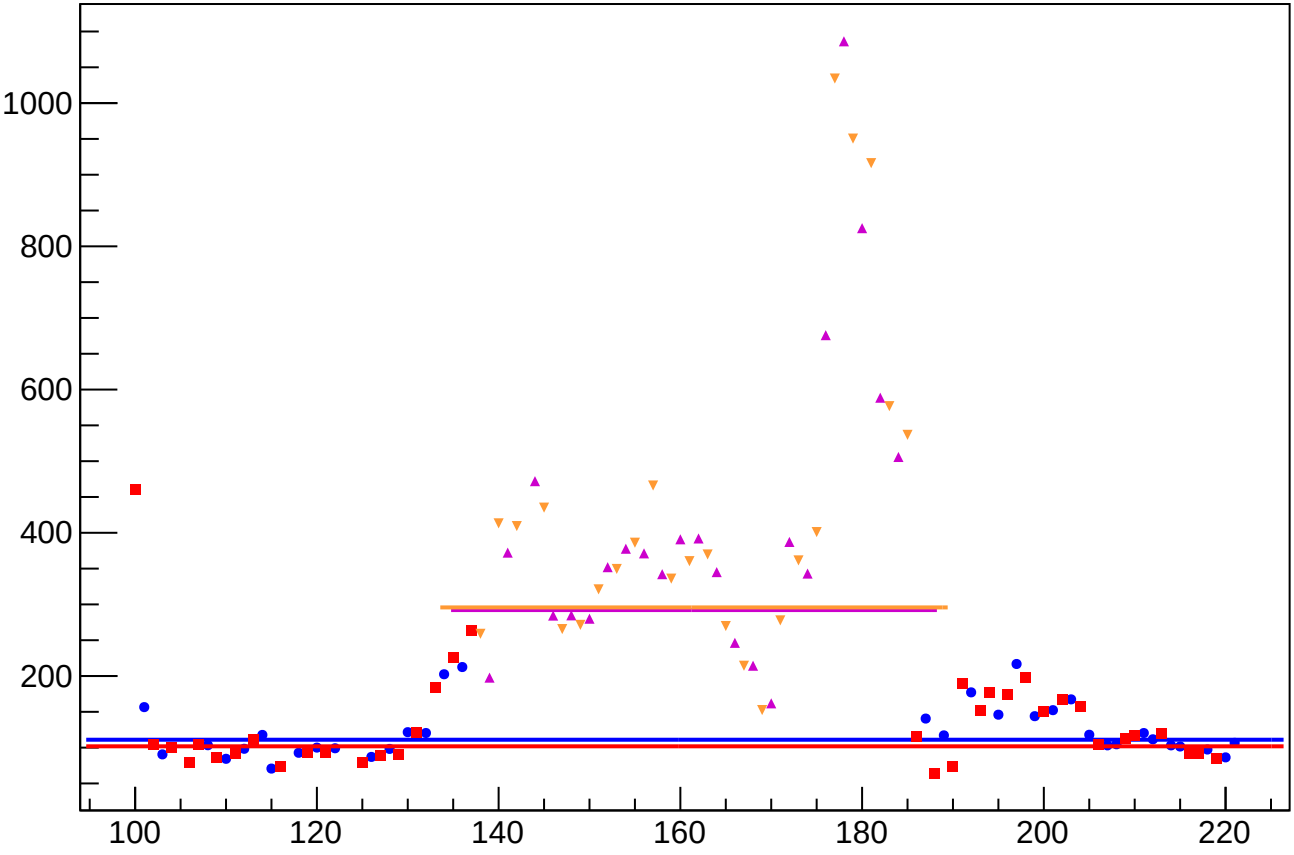
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.024 χ^2/NDF: 63.8/57

All: 0.027+/-0.016 χ^2/NDF: 131.2/116

- sign 0.027+/-0.023 χ^2/NDF: 67.4/58

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 111.039+/-0.018 χ^2/NDF: 2422309.1/33

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

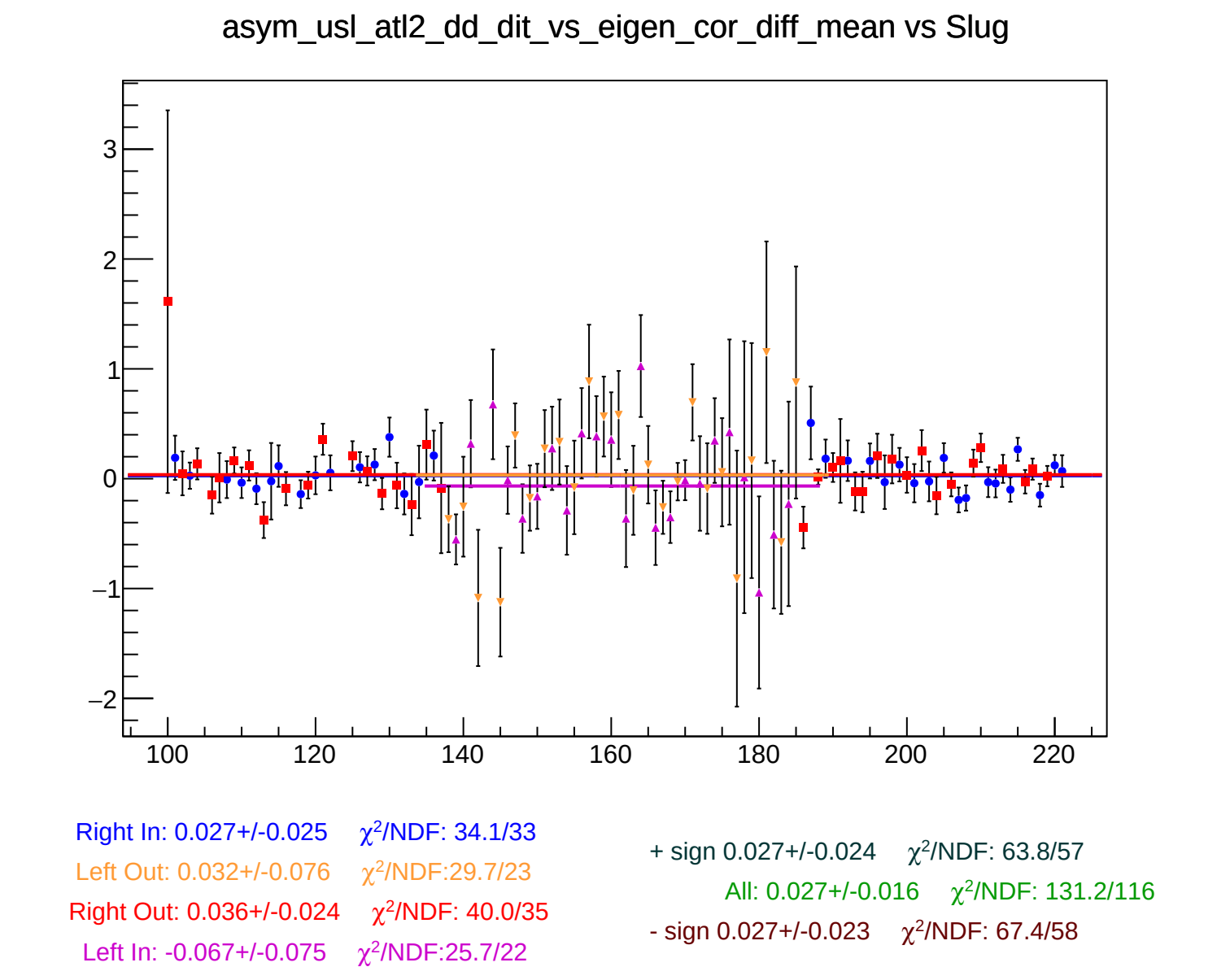
Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 129.294+/-0.017 χ^2/NDF: 18574038.3/57

All: 124.162+/-0.012 χ^2/NDF: 39330932.6/11

- sign 119.503+/-0.016 χ^2/NDF: 20580833.6/58


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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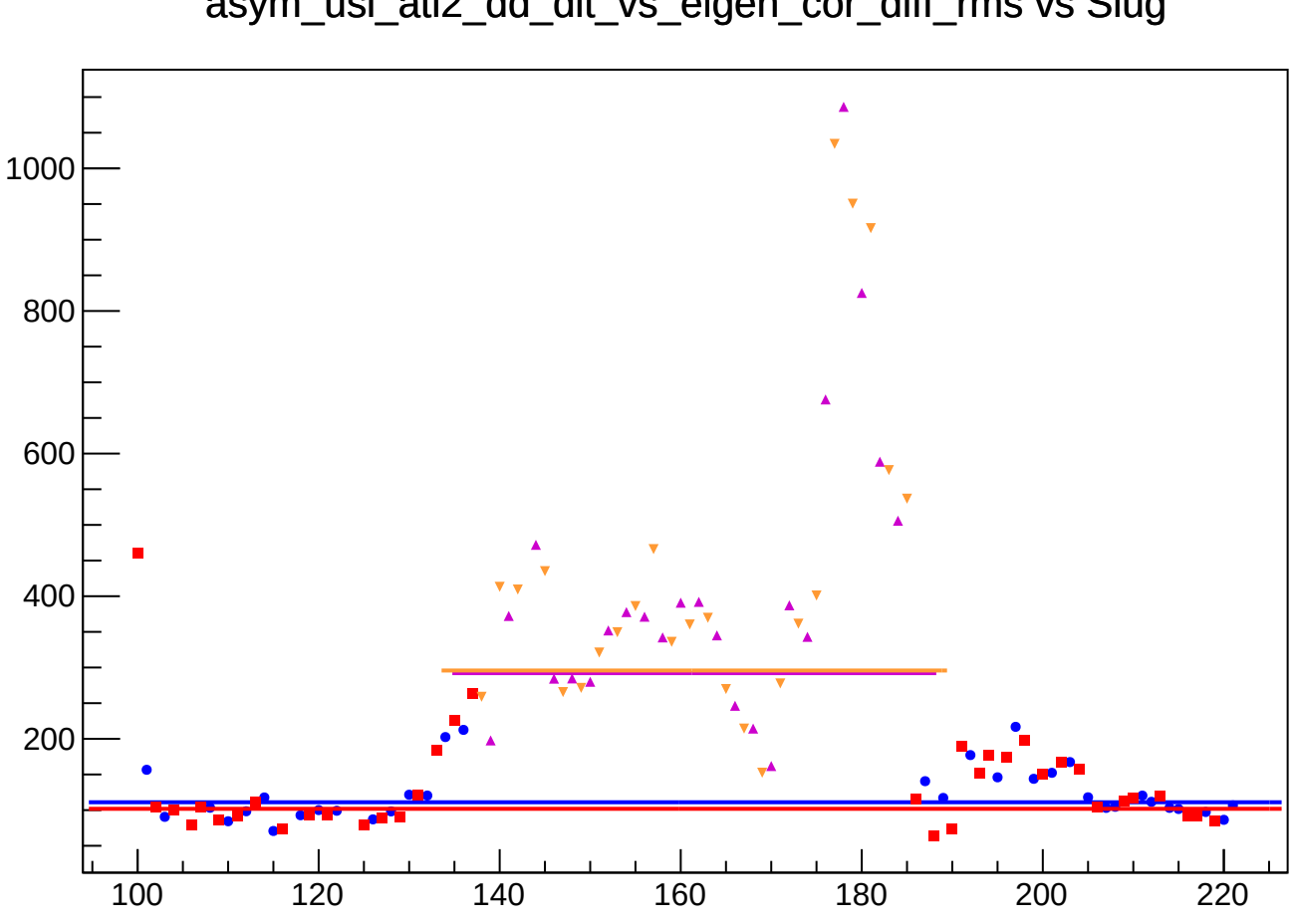
Right In: 0.027+/-0.025 χ²/NDF: 34.1/33
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.036+/-0.024 χ²/NDF: 40.0/35
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.027+/-0.024 χ²/NDF: 63.8/57
All: 0.027+/-0.016 χ²/NDF: 131.2/116
- sign 0.027+/-0.023 χ²/NDF: 67.4/58



Right In: 111.039+/-0.018 χ^2/NDF: 2422309.1/33

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

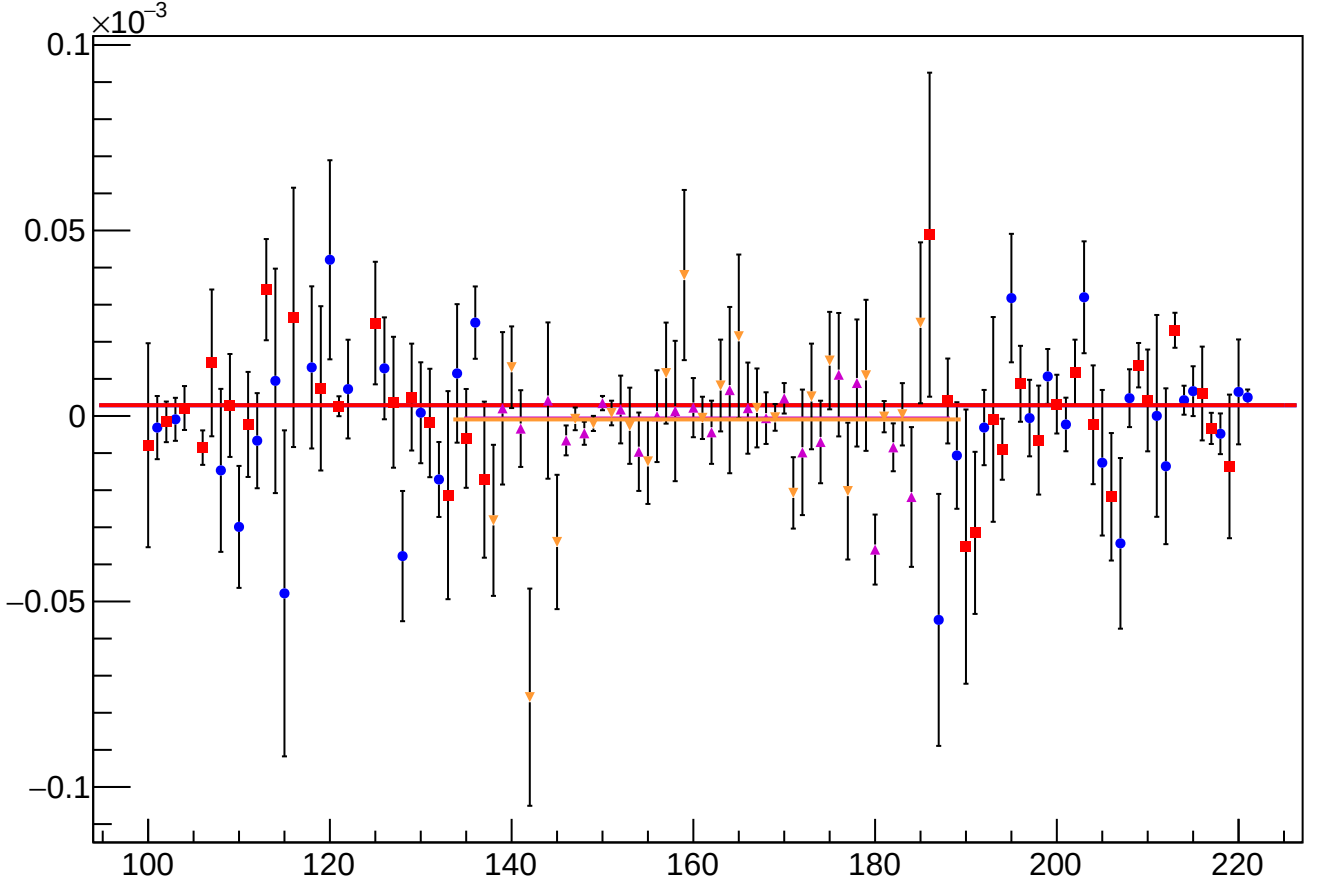
Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 129.294+/-0.017 χ^2/NDF: 18574038.3/57

All: 124.162+/-0.012 χ^2/NDF: 39330932.6/11

- sign 119.503+/-0.016 χ^2/NDF: 20580833.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 45.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

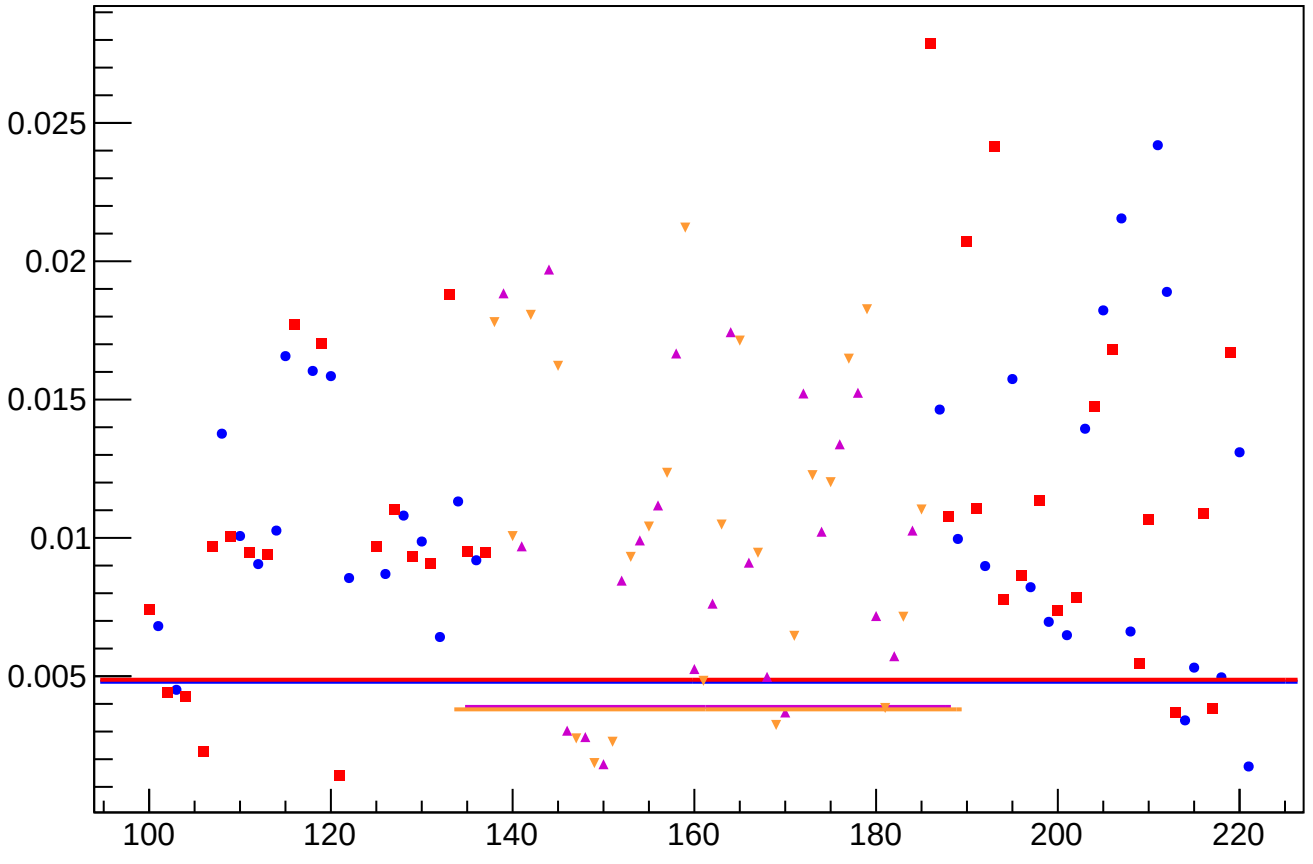
Right Out: 0.000+/-0.000 χ^2/NDF: 52.4/35

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.5/57

All: 0.000+/-0.000 χ^2/NDF: 164.4/116

- sign 0.000+/-0.000 χ^2/NDF: 85.9/58



Right In: 0.005+/-0.000 χ^2/NDF: 15428381.1/33

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14801751.2/35

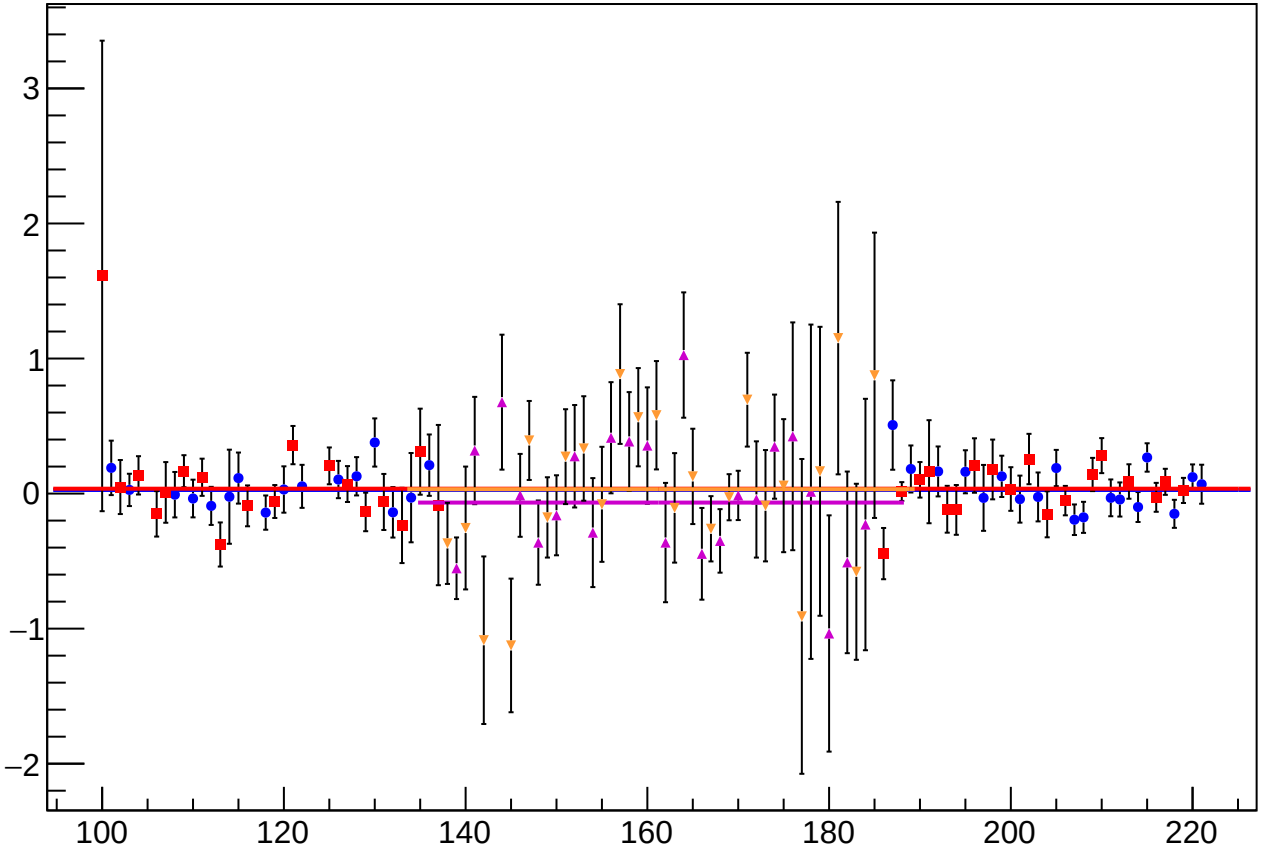
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 30665369.3/57

All: 0.004+/-0.000 χ^2/NDF: 59556338.8/116

- sign 0.004+/-0.000 χ^2/NDF: 28882233.7/58

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 34.1/33

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

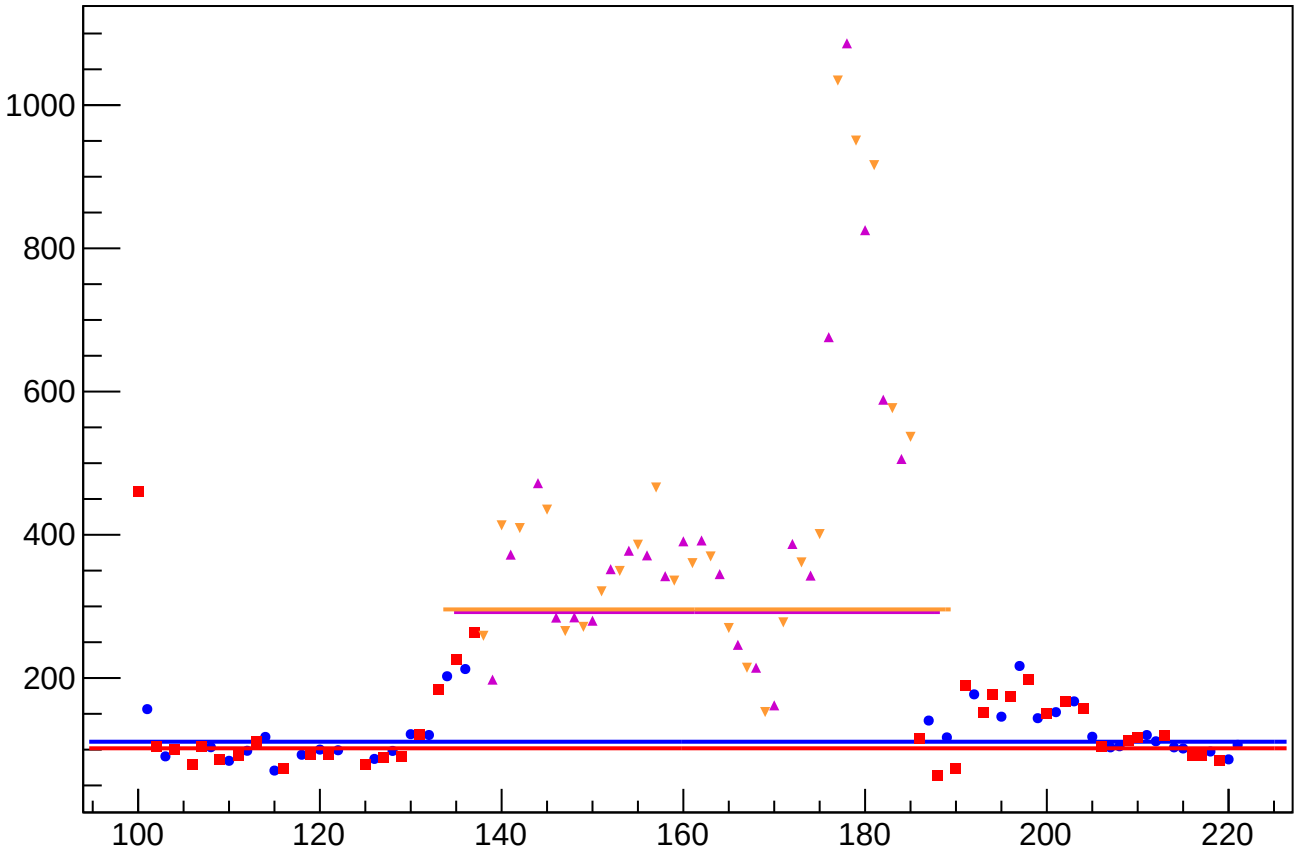
Right Out: 0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.027+/-0.024 χ^2/NDF: 63.8/57

All: 0.027+/-0.016 χ^2/NDF: 131.2/116

- sign 0.027+/-0.023 χ^2/NDF: 67.4/58



Right In: 111.040+/-0.018 χ^2/NDF: 2422256.6/33

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

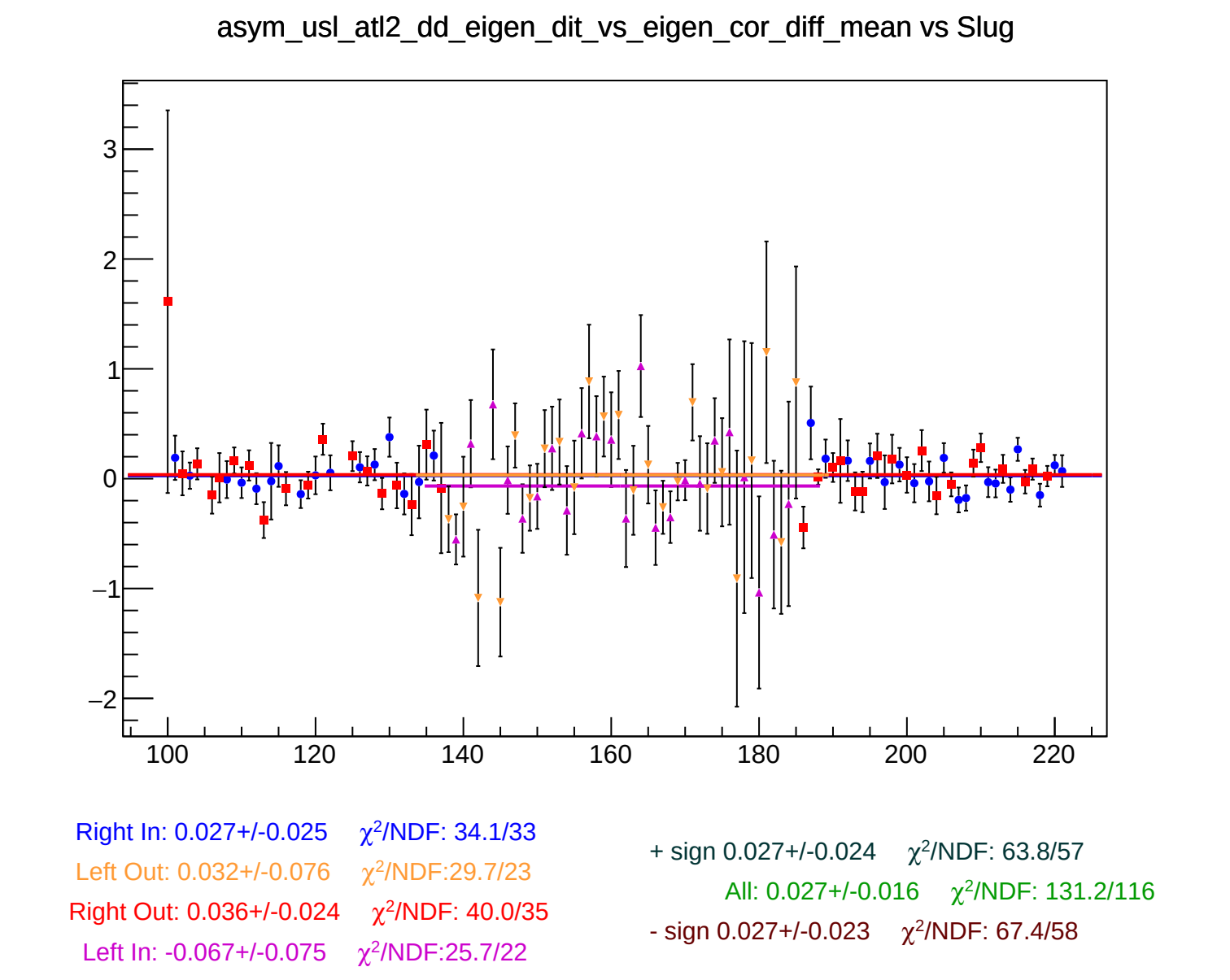
Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 129.295+/-0.017 χ^2/NDF: 18574039.9/57

All: 124.162+/-0.012 χ^2/NDF: 39331320.2/11

- sign 119.503+/-0.016 χ^2/NDF: 20581170.1/58


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
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100
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140
160
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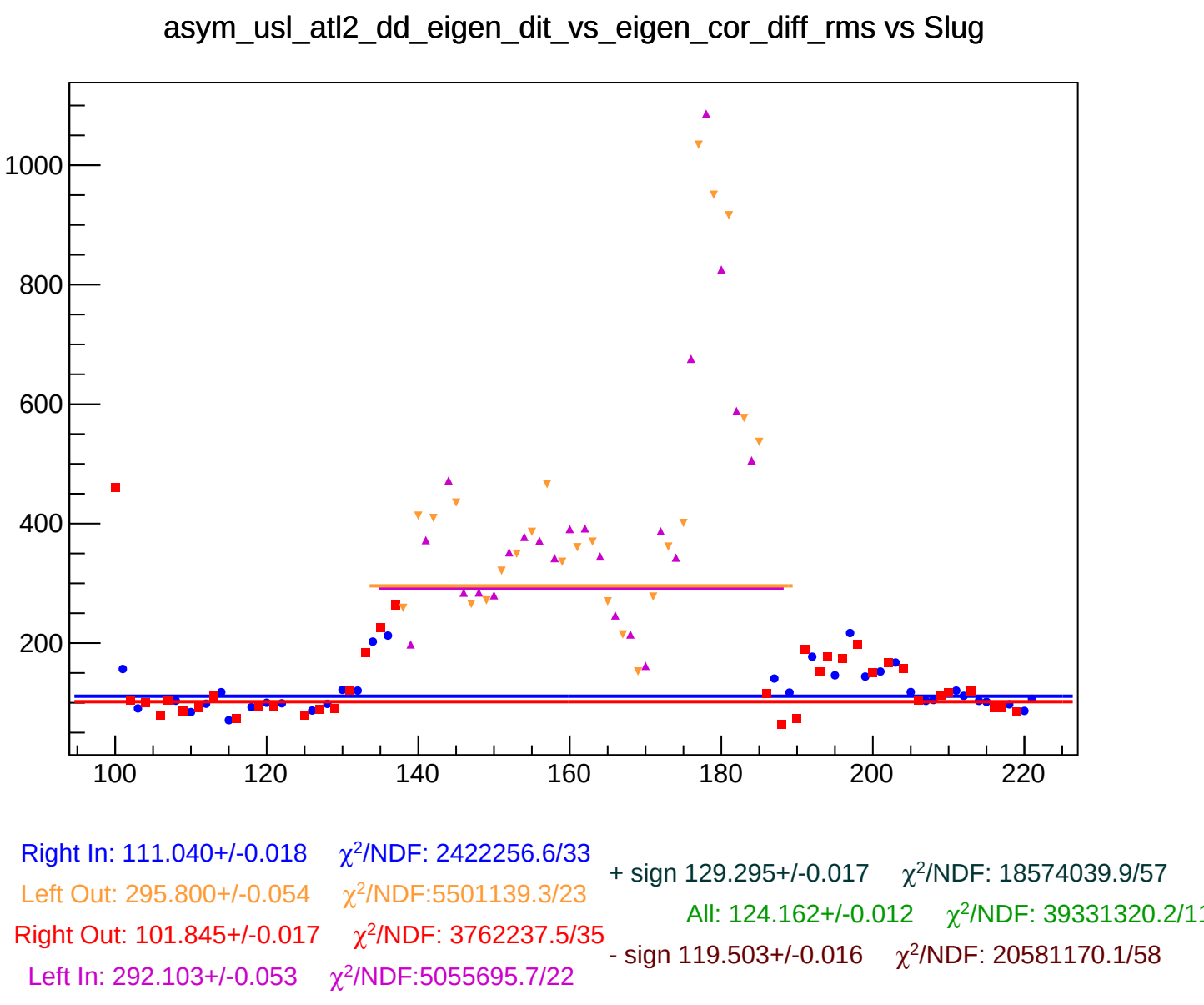
220
Right In: 0.027+/-0.025 χ²/NDF: 34.1/33
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.036+/-0.024 χ²/NDF: 40.0/35
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.027+/-0.024 χ²/NDF: 63.8/57
All: 0.027+/-0.016 χ²/NDF: 131.2/116
- sign 0.027+/-0.023 χ²/NDF: 67.4/58


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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200
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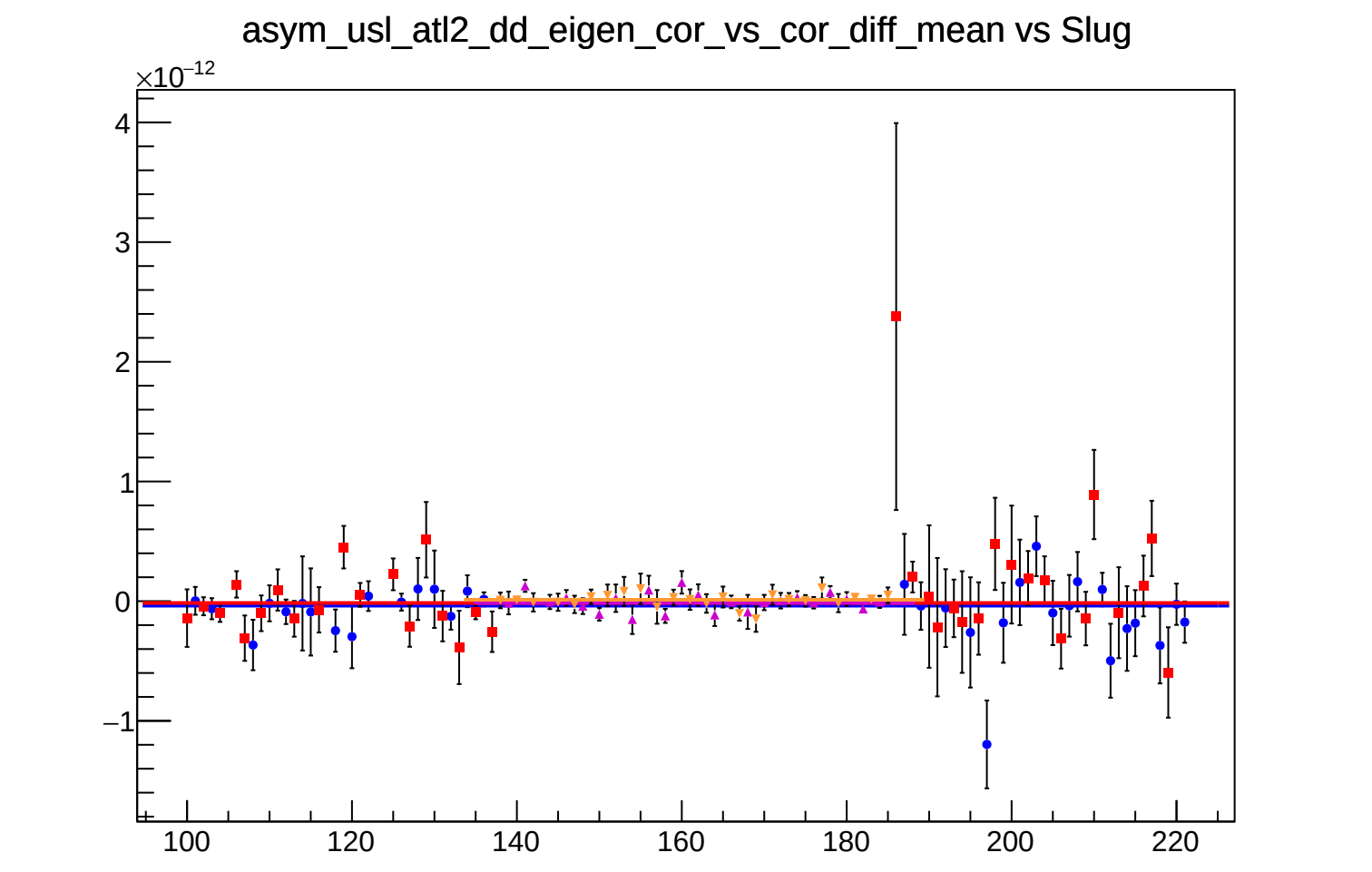
120
140
160
180
200
220
Right In: 111.040+/-0.018 χ²/NDF: 2422256.6/33
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 101.845+/-0.017 χ²/NDF: 3762237.5/35
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
+ sign 129.295+/-0.017 χ²/NDF: 18574039.9/57
All: 124.162+/-0.012 χ²/NDF: 39331320.2/11
- sign 119.503+/-0.016 χ²/NDF: 20581170.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

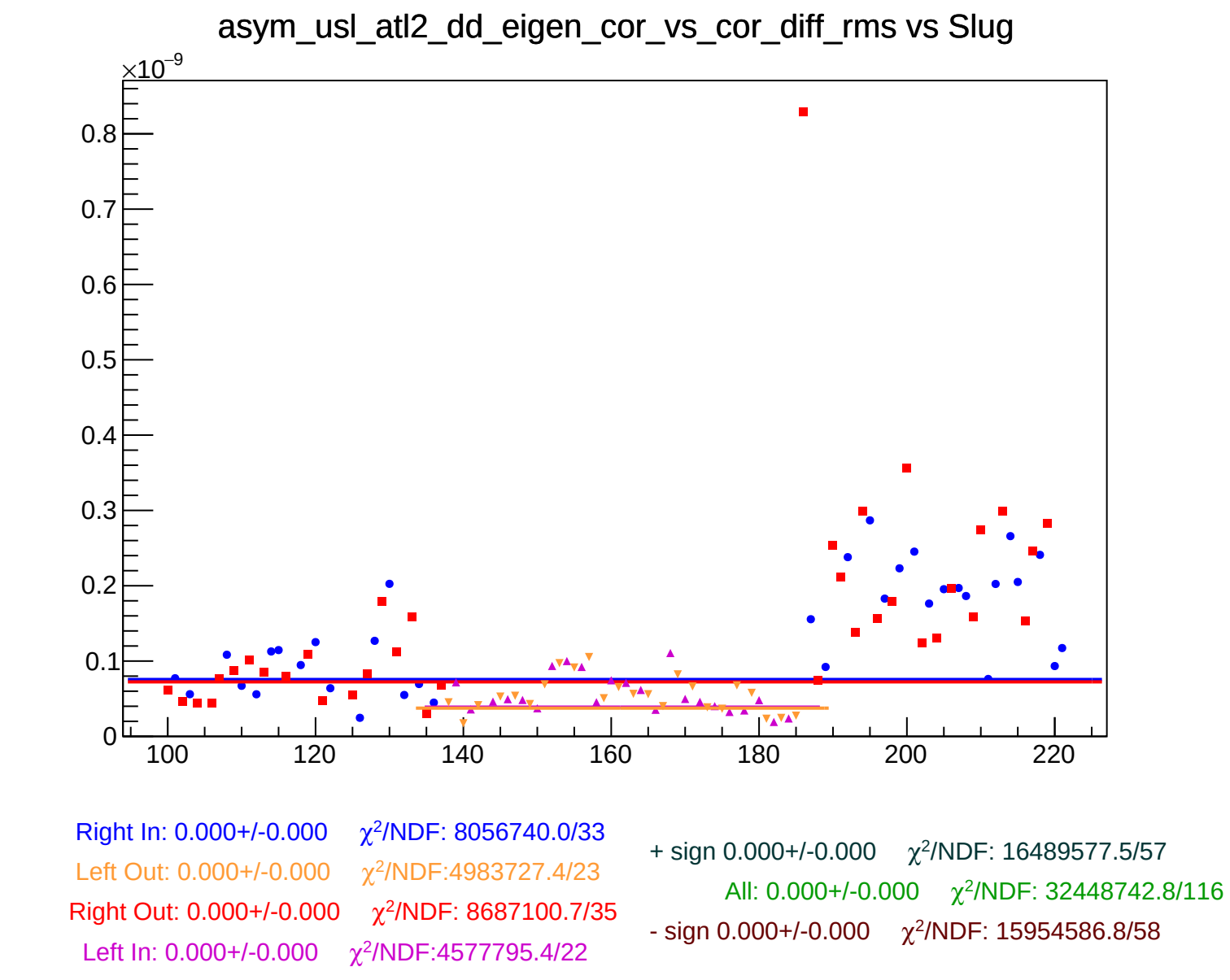
Right Out: -0.000+/-0.000 χ^2/NDF: 50.4/35

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.1/57

All: -0.000+/-0.000 χ^2/NDF: 125.7/116

- sign -0.000+/-0.000 χ^2/NDF: 81.2/58


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
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0.2
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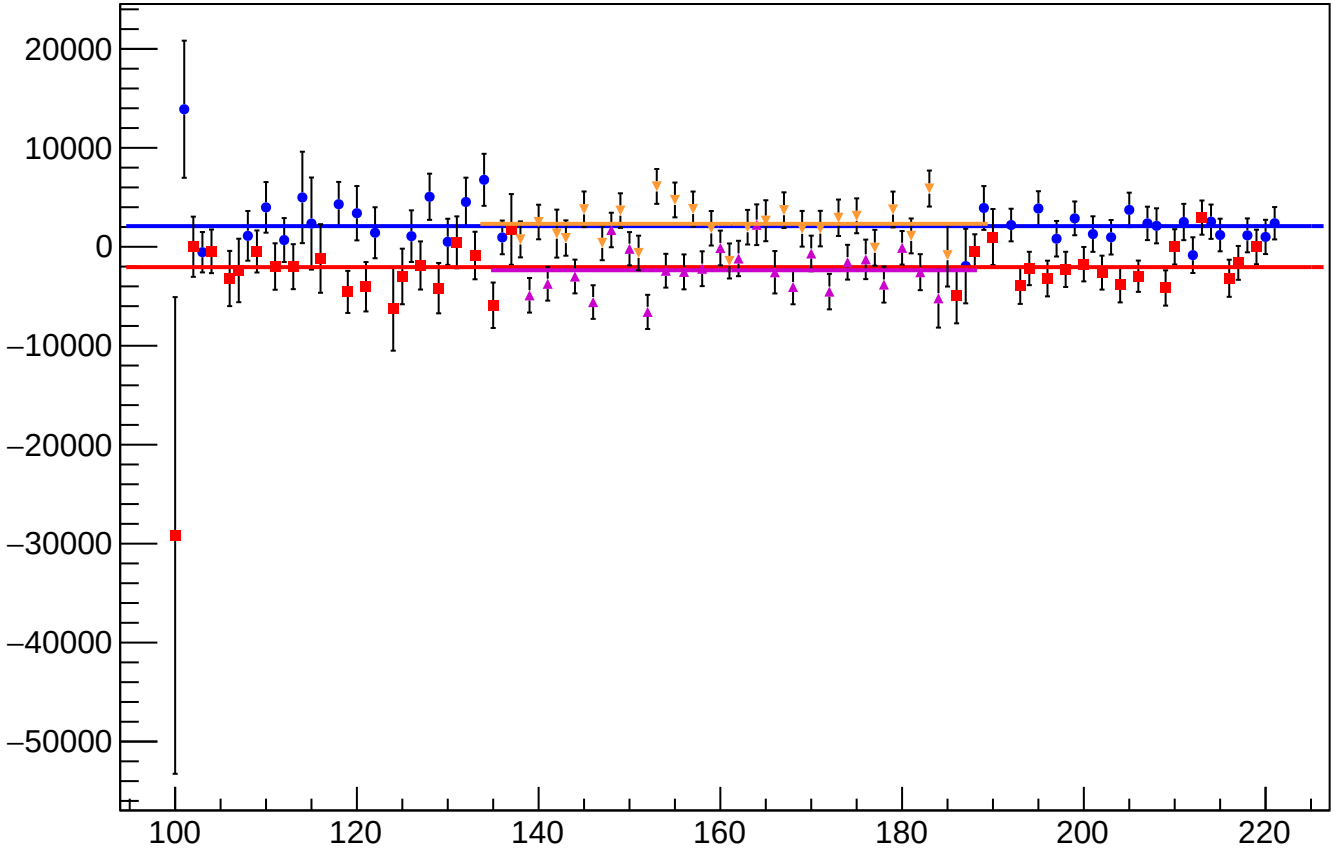
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8056740.0/33
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8687100.7/35
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 16489577.5/57
All: 0.000+/-0.000 χ²/NDF: 32448742.8/116
- sign 0.000+/-0.000 χ²/NDF: 15954586.8/58

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2088.409+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2054.749+/-356.687 χ^2/NDF: 30.9/35

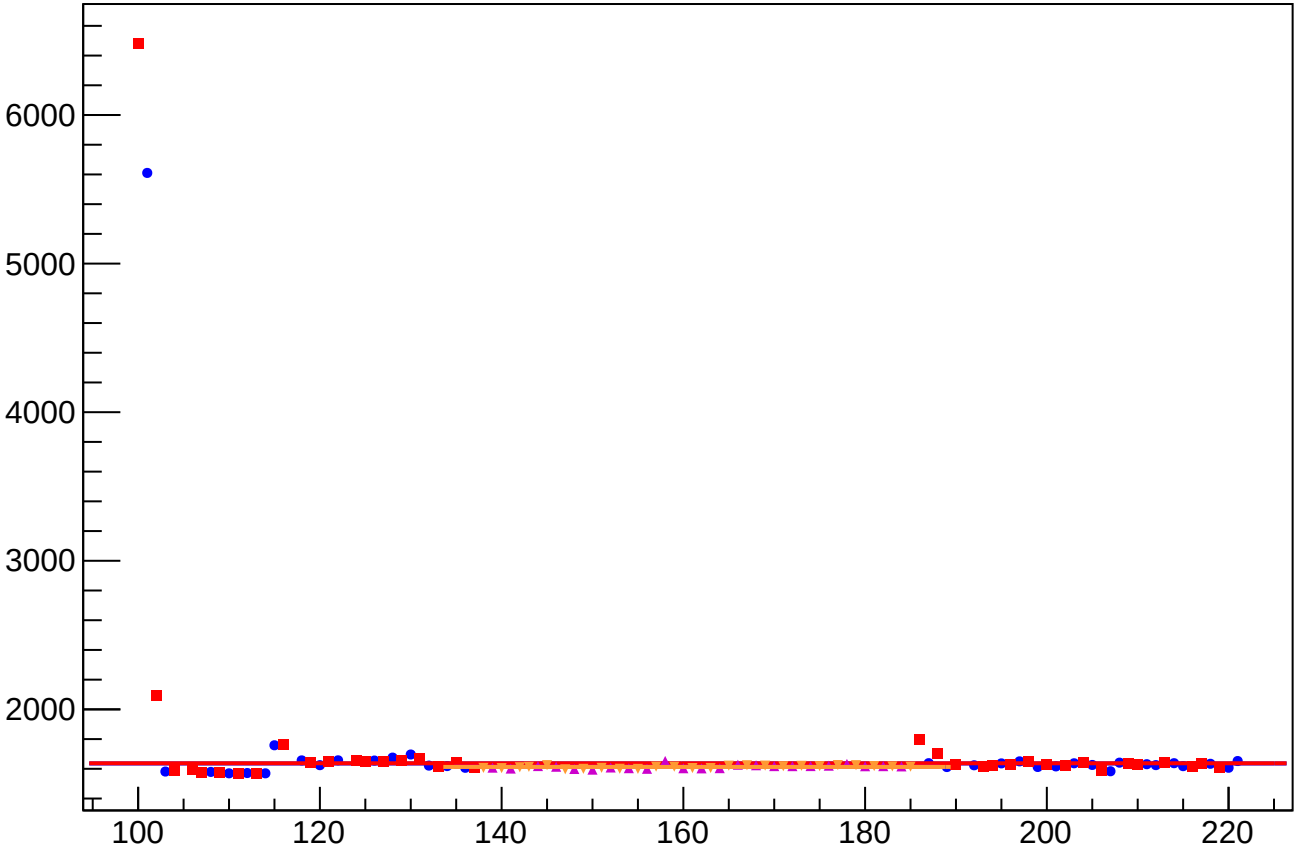
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2199.666+/-253.304 χ^2/NDF: 50.8/58

All: 47.053+/-181.105 χ^2/NDF: 263.5/117

- sign -2204.035+/-259.034 χ^2/NDF: 65.0/58

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.804+/-0.248 χ^2/NDF: 672573.8/33

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.288+/-0.252 χ^2/NDF: 149745.2/35

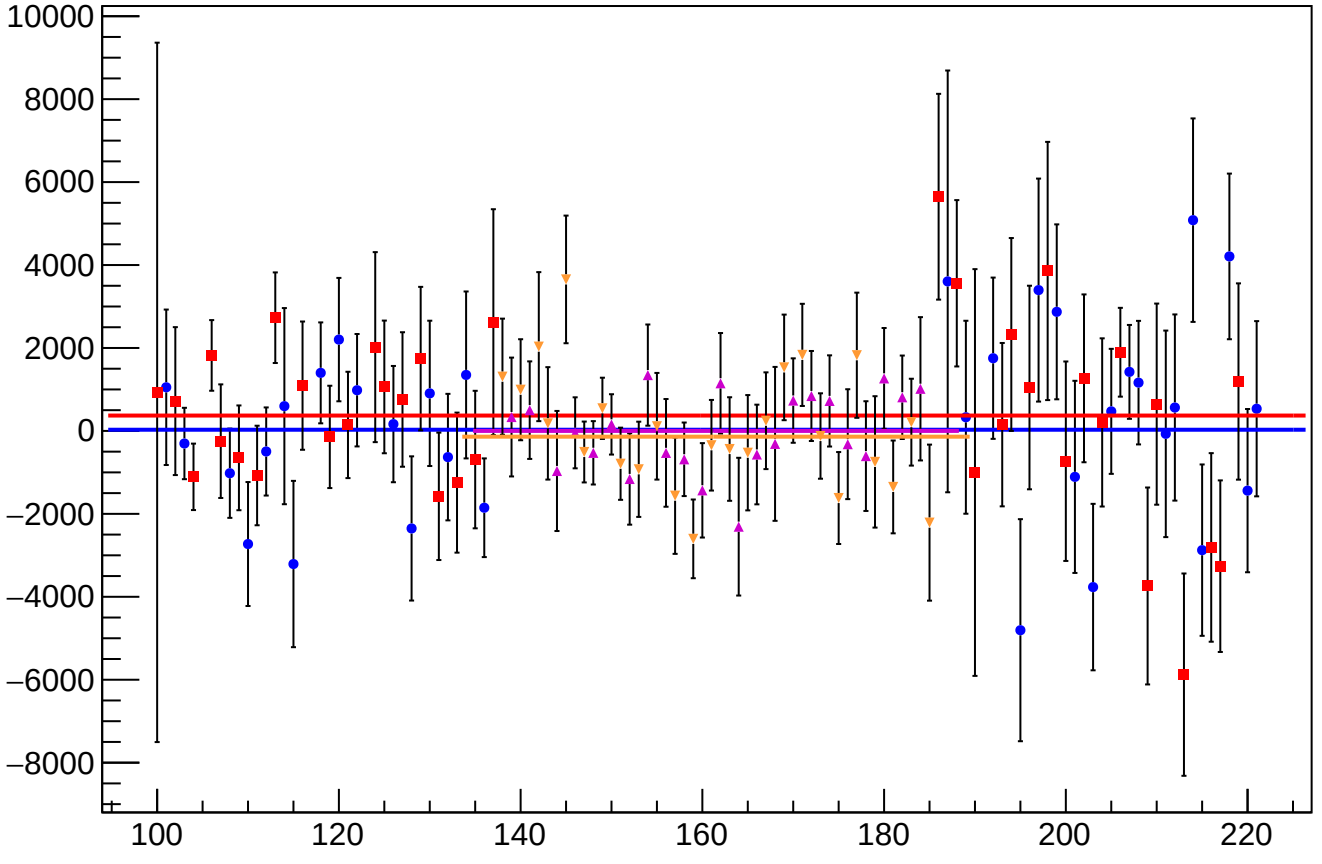
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.712+/-0.179 χ^2/NDF: 677931.6/58

All: 1625.431+/-0.128 χ^2/NDF: 834165.5/117

- sign 1626.184+/-0.183 χ^2/NDF: 156200.9/58

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: 28.397+/-276.634 χ^2/NDF: 42.1/33

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 370.407+/-267.006 χ^2/NDF: 45.1/35

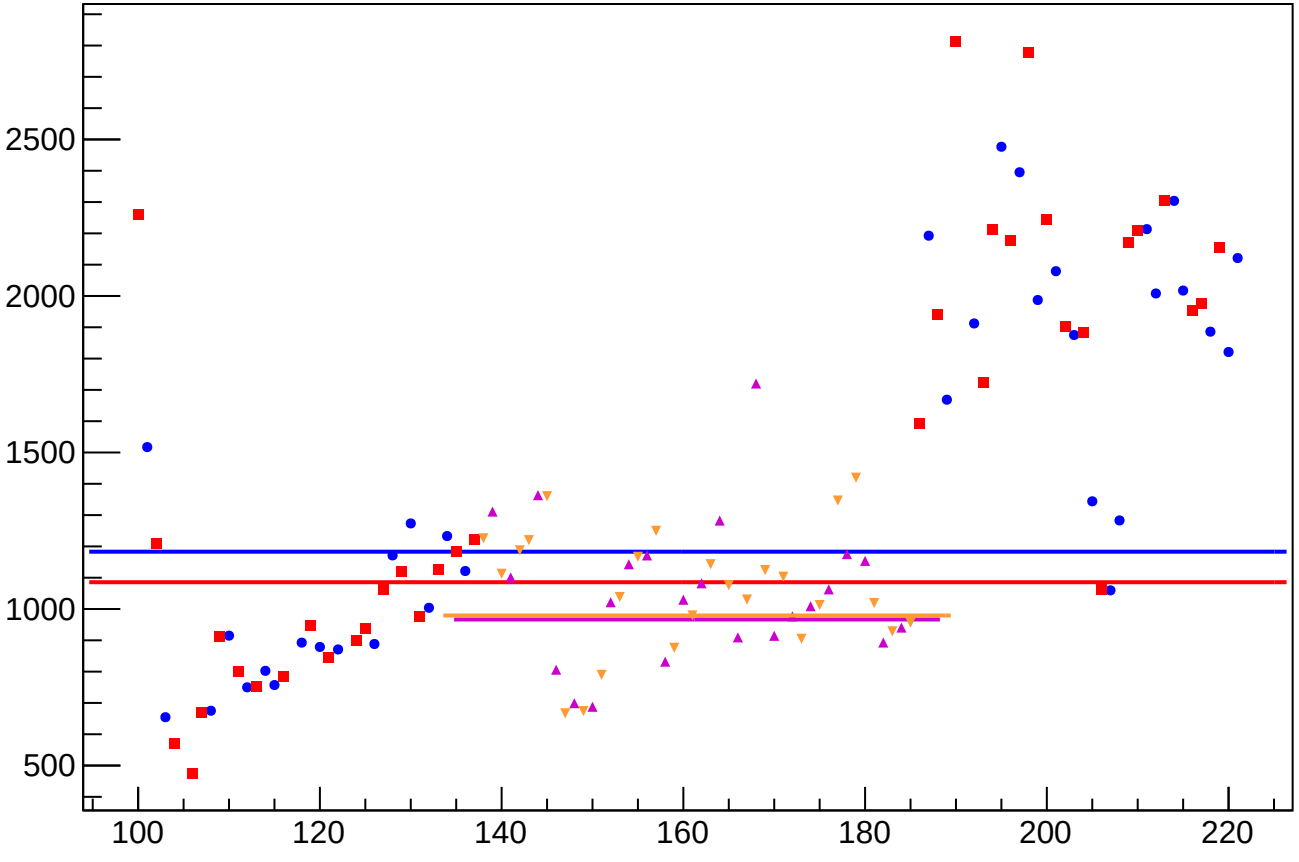
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -70.901+/-176.459 χ^2/NDF: 72.4/58

All: 45.111+/-124.287 χ^2/NDF: 132.4/117

\- sign 159.323+/-175.085 χ^2/NDF: 59.1/58

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1183.112+/-0.196 χ^2/NDF: 6646199.1/33

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1085.633+/-0.189 χ^2/NDF: 8529560.3/35

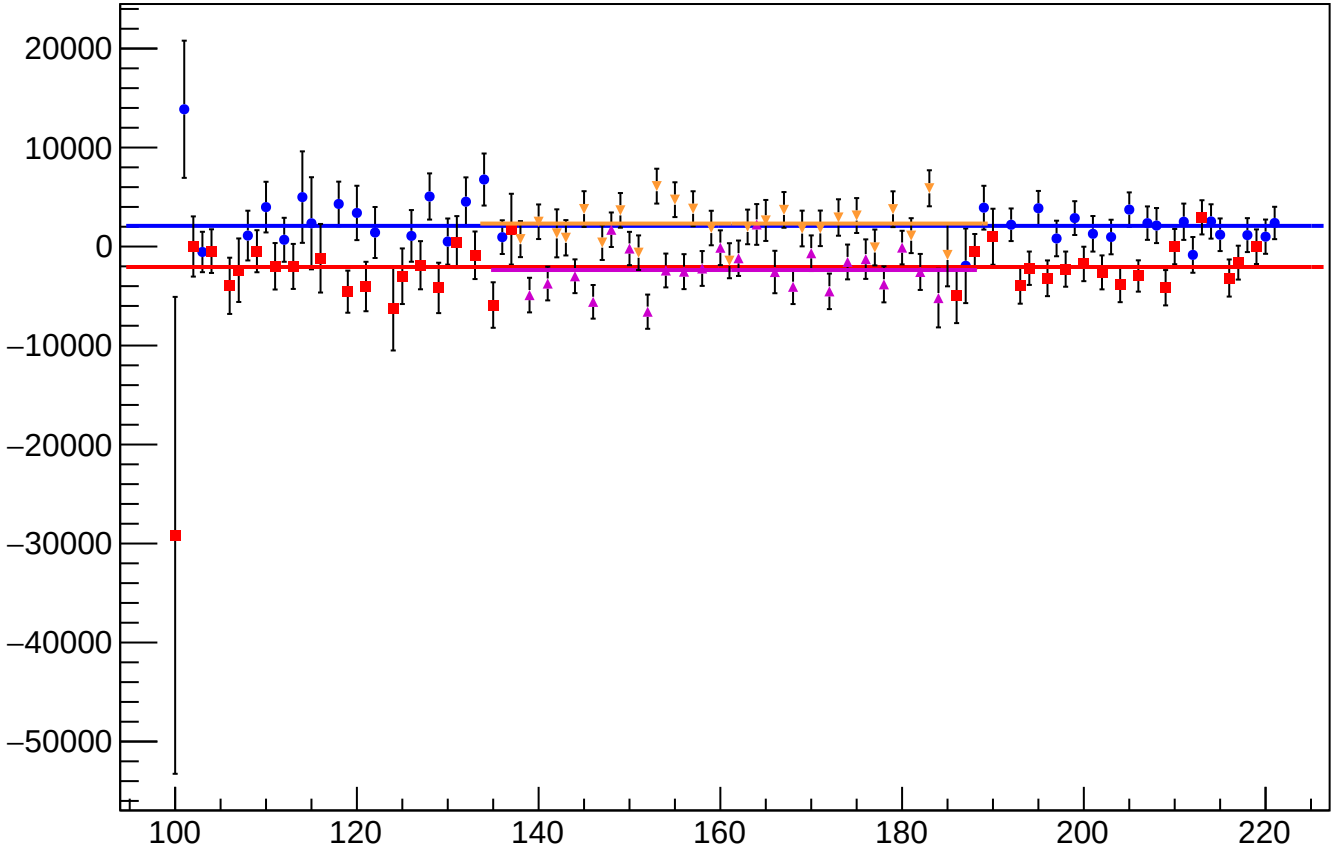
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1062.225+/-0.125 χ^2/NDF: 8920750.5/58

All: 1039.809+/-0.088 χ^2/NDF: 19343809.9/1

- sign 1017.740+/-0.124 χ^2/NDF: 10359009.5/58

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2088.166+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2066.264+/-356.787 χ^2/NDF: 31.2/35

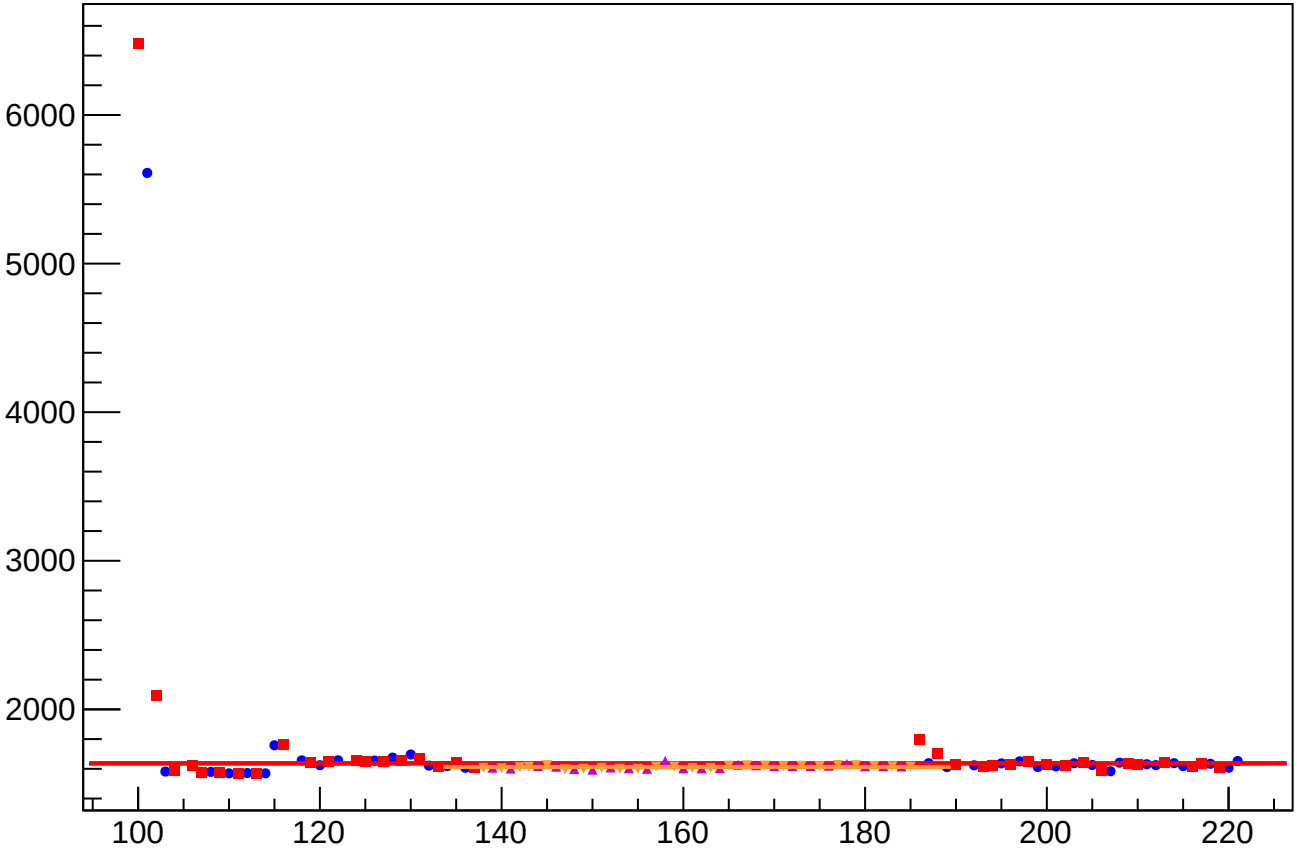
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2199.519+/-253.304 χ^2/NDF: 50.8/58

All: 44.299+/-181.118 χ^2/NDF: 264.2/117

- sign -2210.184+/-259.072 χ^2/NDF: 65.3/58

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.804+/-0.248 χ^2/NDF: 672573.3/33

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

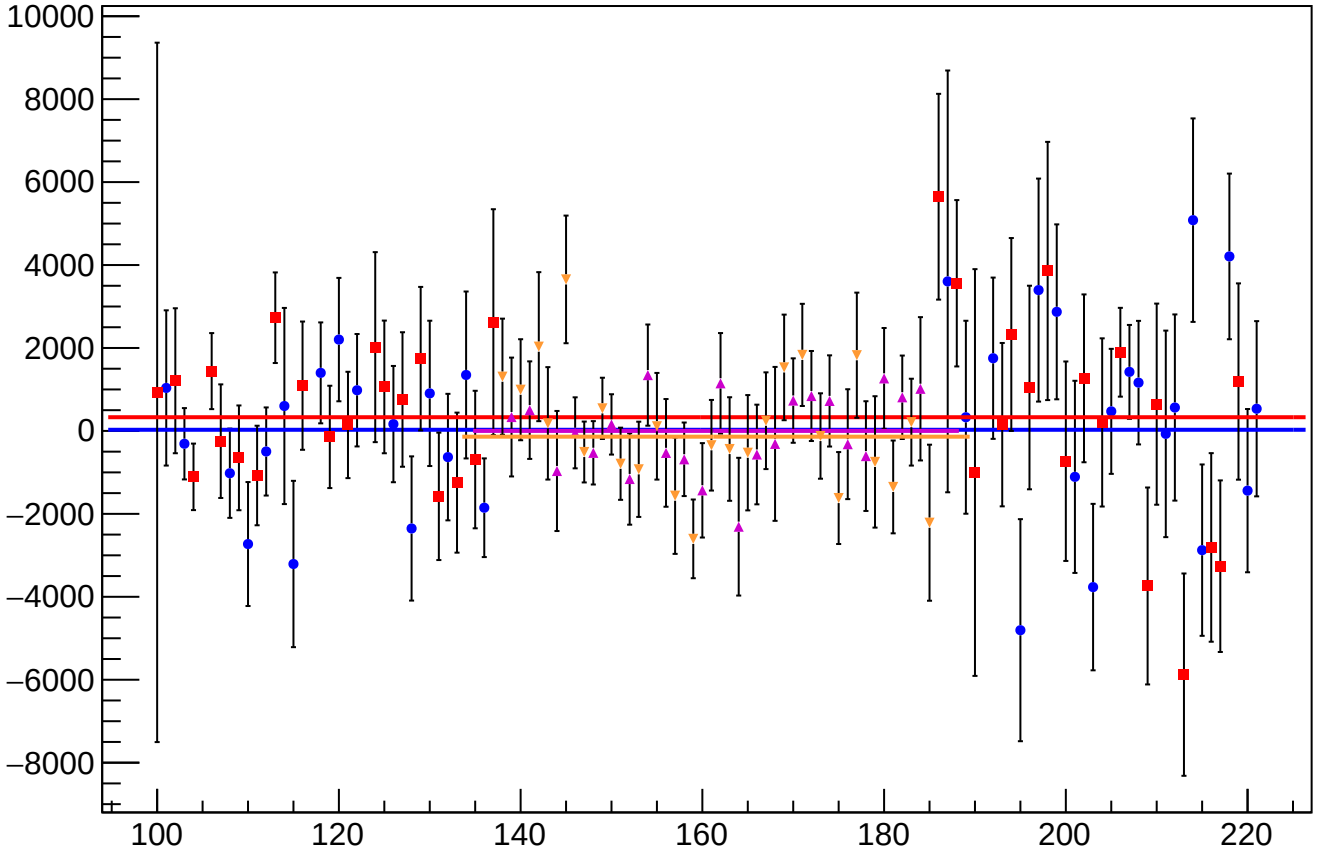
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.712+/-0.179 χ^2/NDF: 677931.1/58

All: 1625.544+/-0.128 χ^2/NDF: 833908.0/117

- sign 1626.414+/-0.183 χ^2/NDF: 155932.8/58

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: 27.476+/-276.611 χ^2/NDF: 42.1/33

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

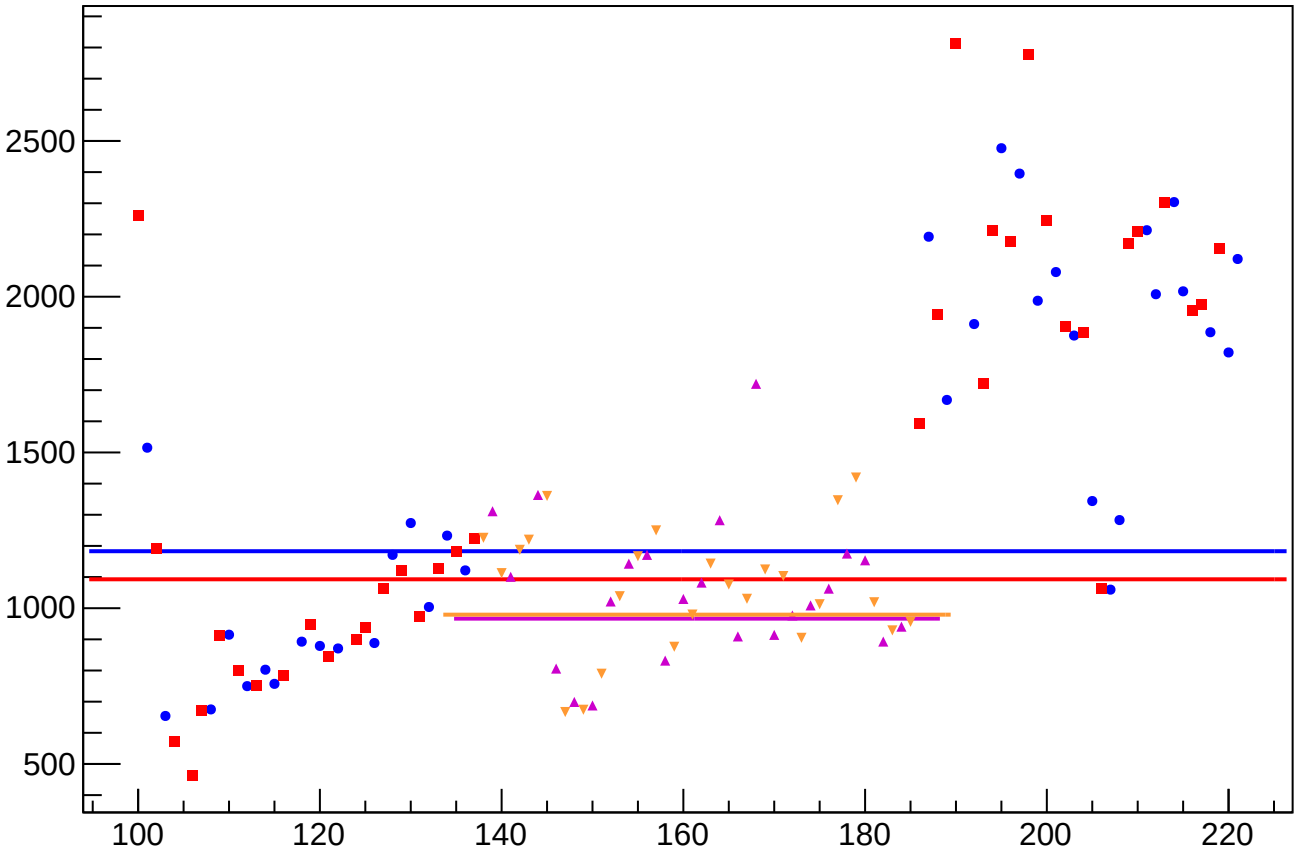
Right Out: 330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -71.300+/-176.452 χ^2/NDF: 72.4/58

All: 35.409+/-124.456 χ^2/NDF: 130.6/117

\- sign 141.049+/-175.566 χ^2/NDF: 57.5/58



Right In: 1182.997+/-0.196 χ^2/NDF: 6647361.1/33

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

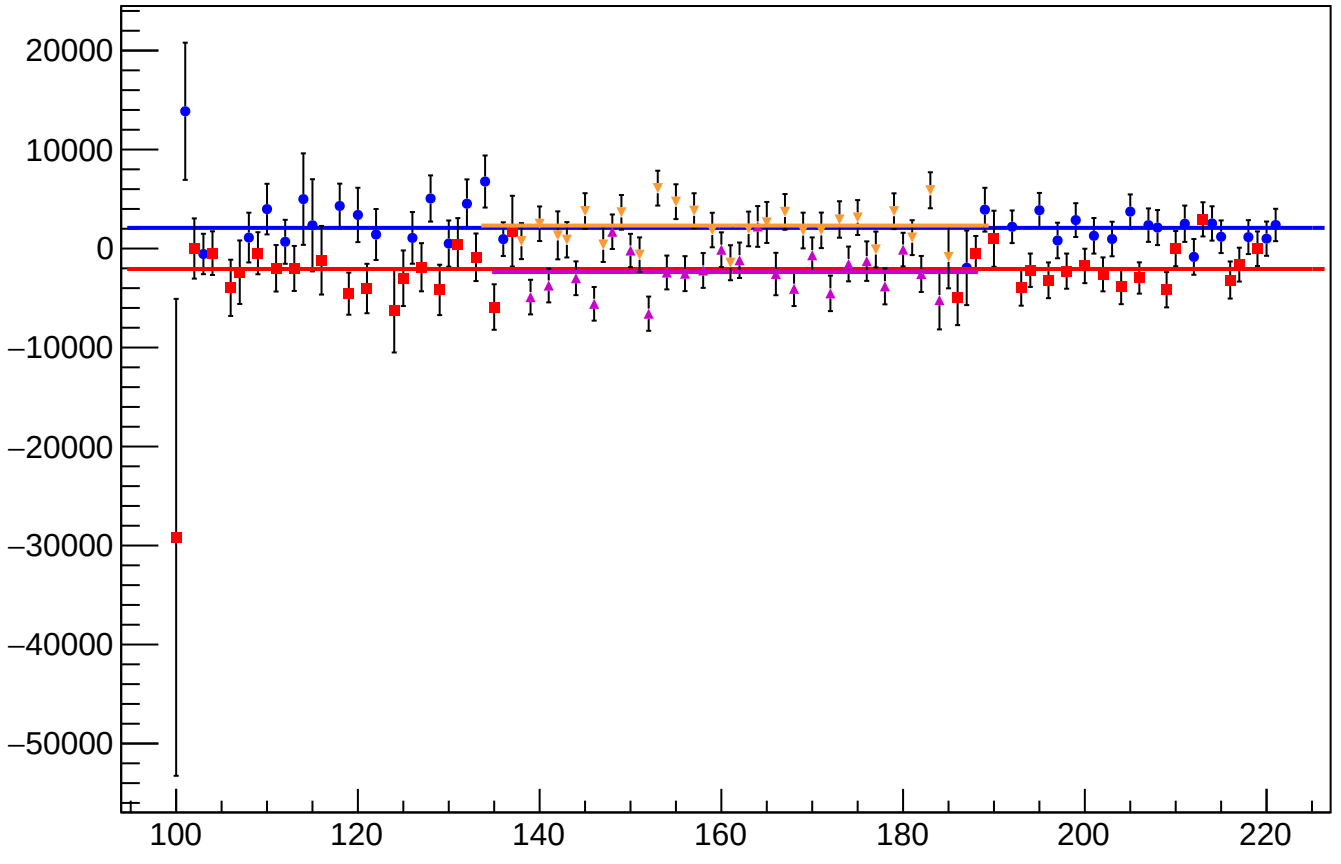
Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1062.183+/-0.125 χ^2/NDF: 8921399.4/58

All: 1041.205+/-0.088 χ^2/NDF: 19248300.8/1

- sign 1020.438+/-0.124 χ^2/NDF: 10270651.4/58



Right In: 2088.166+/-350.664 χ^2/NDF: 23.1/33

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2066.264+/-356.787 χ^2/NDF: 31.2/35

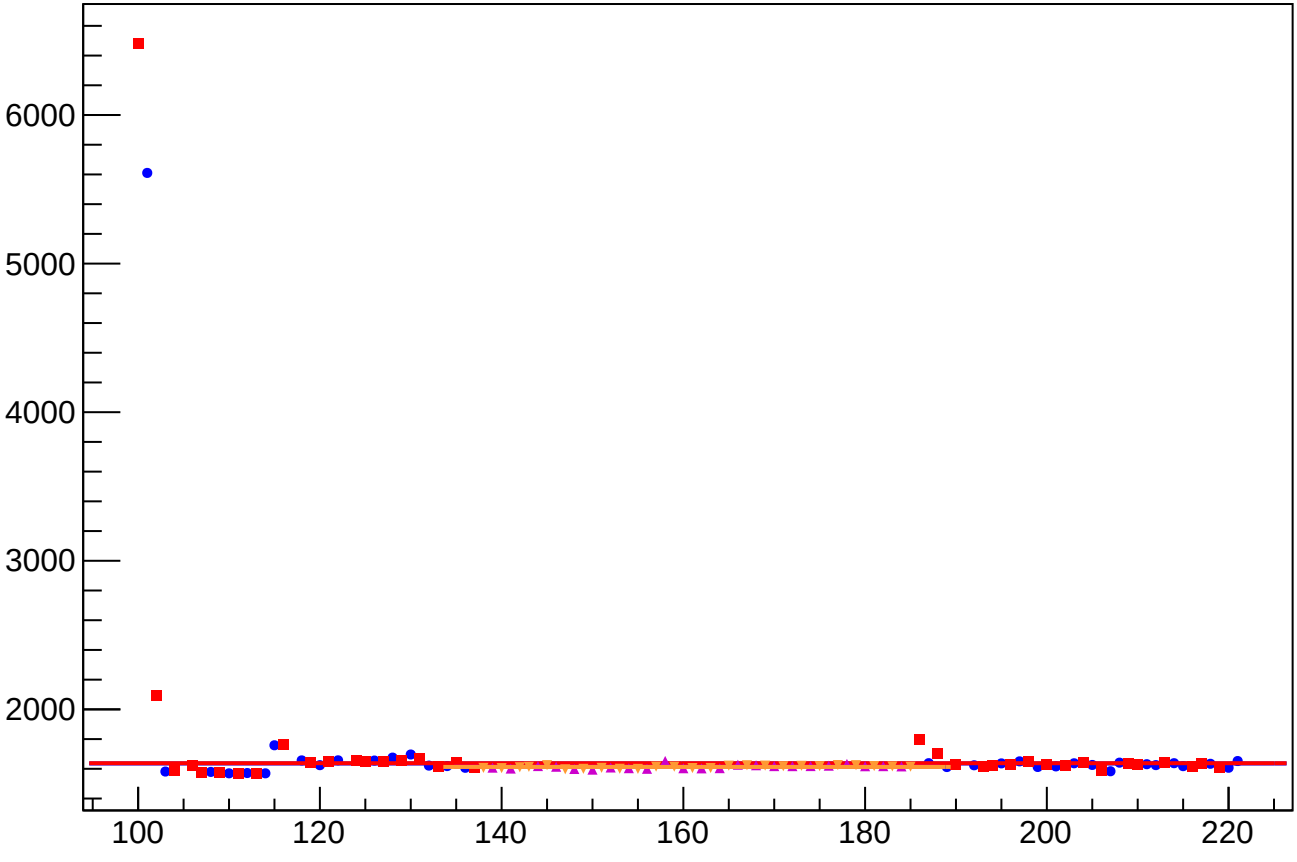
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2199.519+/-253.304 χ^2/NDF: 50.8/58

All: 44.299+/-181.118 χ^2/NDF: 264.2/117

- sign -2210.184+/-259.072 χ^2/NDF: 65.3/58

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.804+/-0.248 χ^2/NDF: 672573.3/33

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

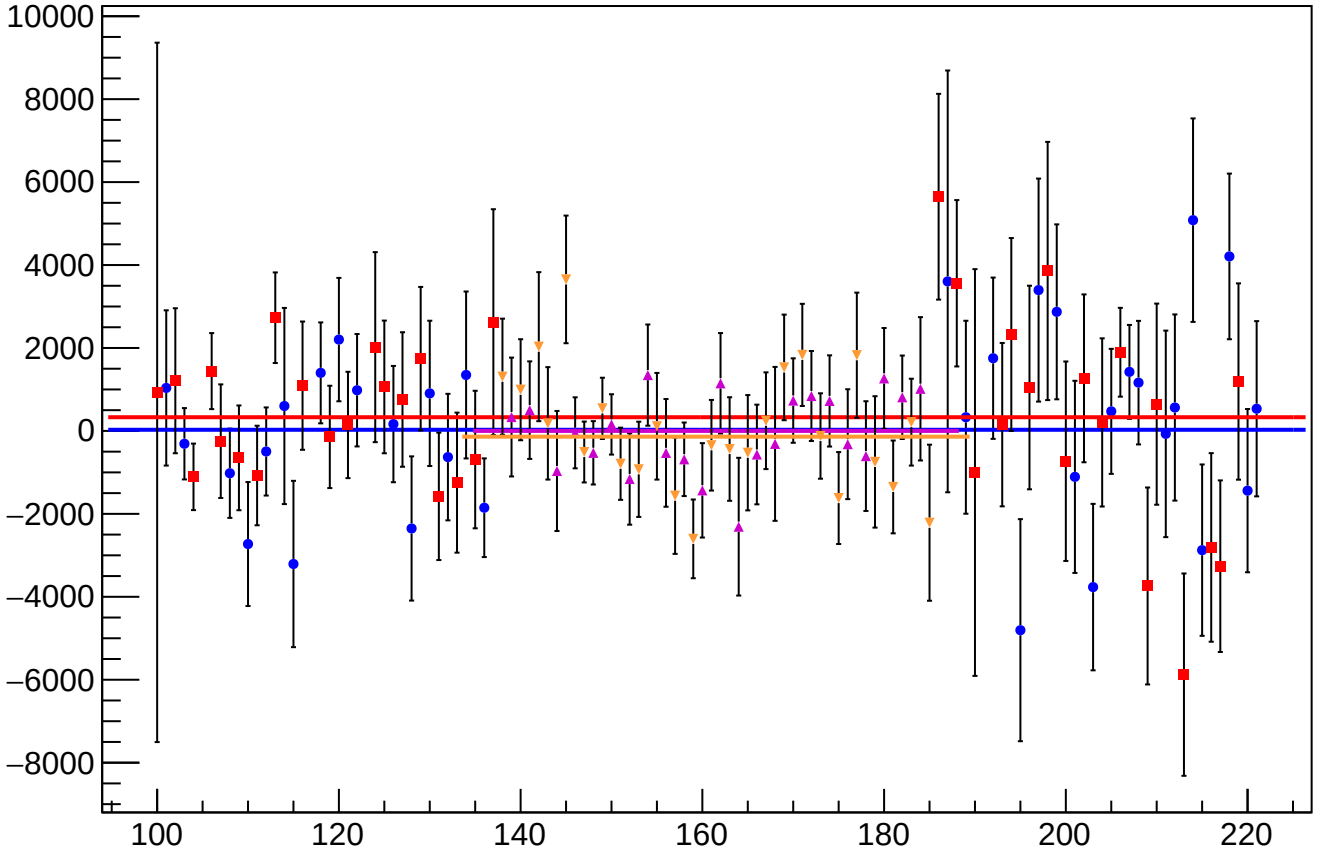
Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.712+/-0.179 χ^2/NDF: 677931.1/58

All: 1625.544+/-0.128 χ^2/NDF: 833908.0/117

- sign 1626.414+/-0.183 χ^2/NDF: 155932.8/58



Right In: 27.476+/-276.611 χ^2/NDF: 42.1/33

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

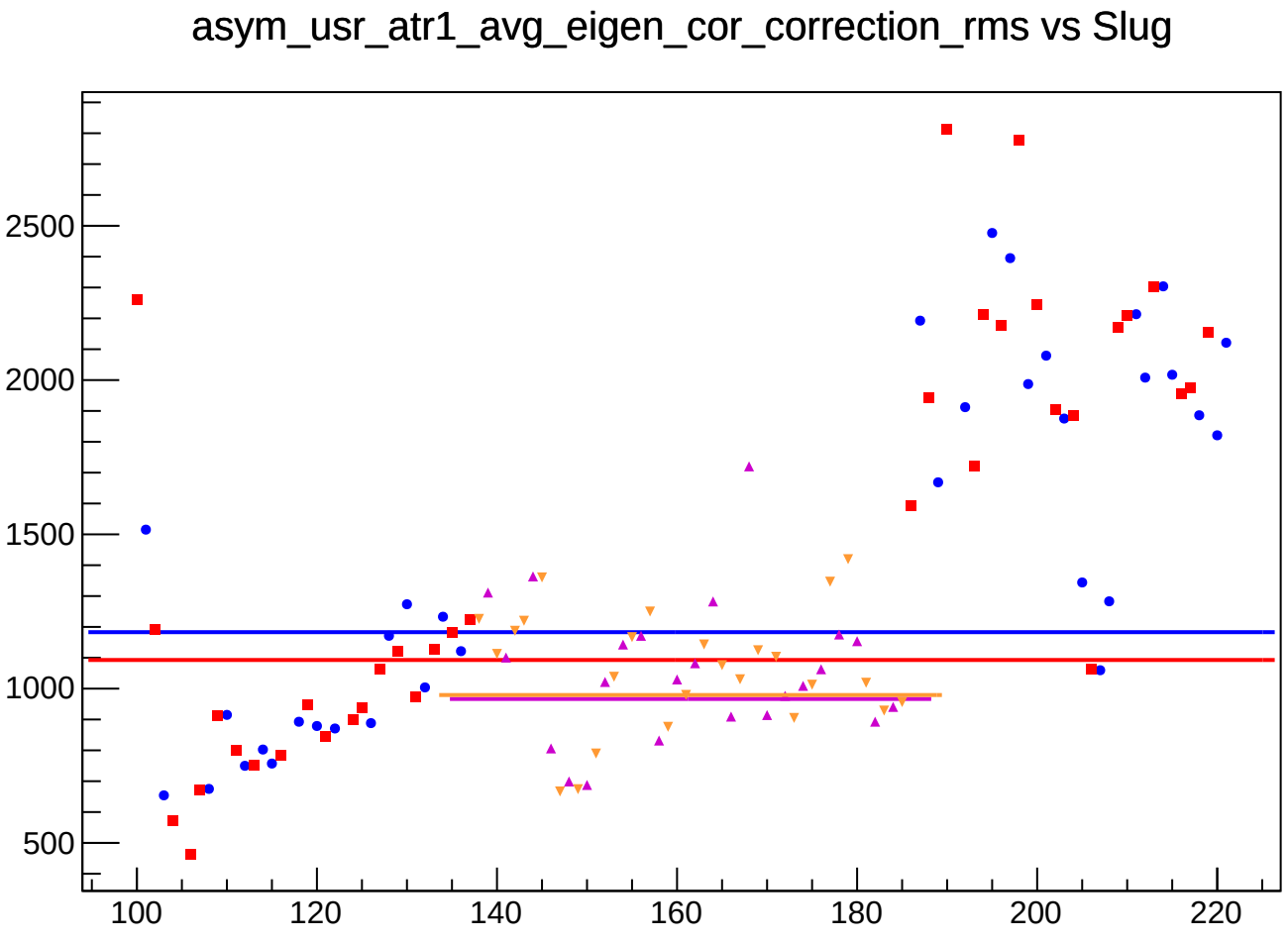
Right Out: 330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -71.300+/-176.452 χ^2/NDF: 72.4/58

All: 35.409+/-124.456 χ^2/NDF: 130.6/117

\- sign 141.049+/-175.566 χ^2/NDF: 57.5/58



Right In: 1182.997+/-0.196 χ^2/NDF: 6647361.1/33

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

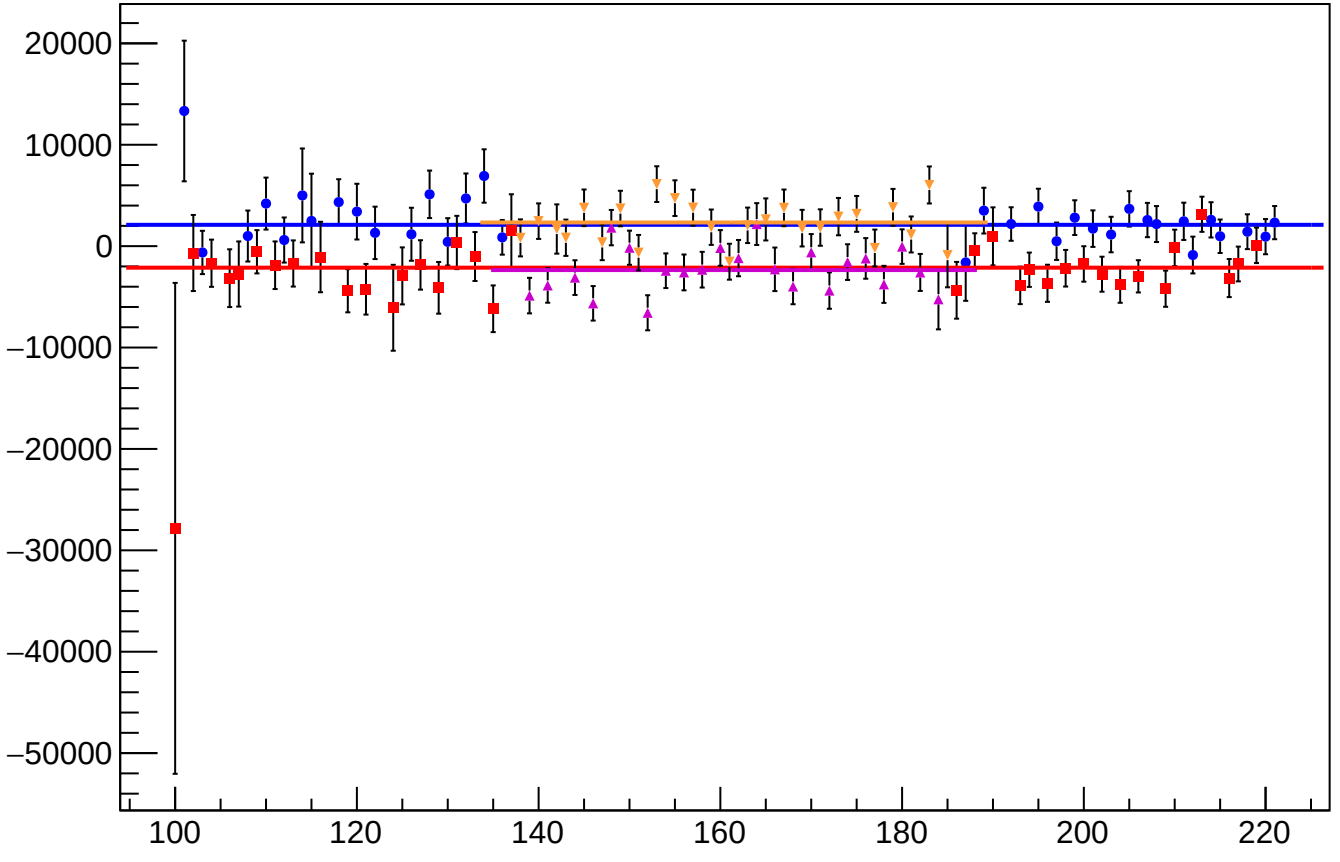
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1062.183+/-0.125 χ^2/NDF: 8921399.4/58

All: 1041.205+/-0.088 χ^2/NDF: 19248300.8/1

- sign 1020.438+/-0.124 χ^2/NDF: 10270651.4/58

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2102.969+/-352.435 χ^2/NDF: 23.0/33

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

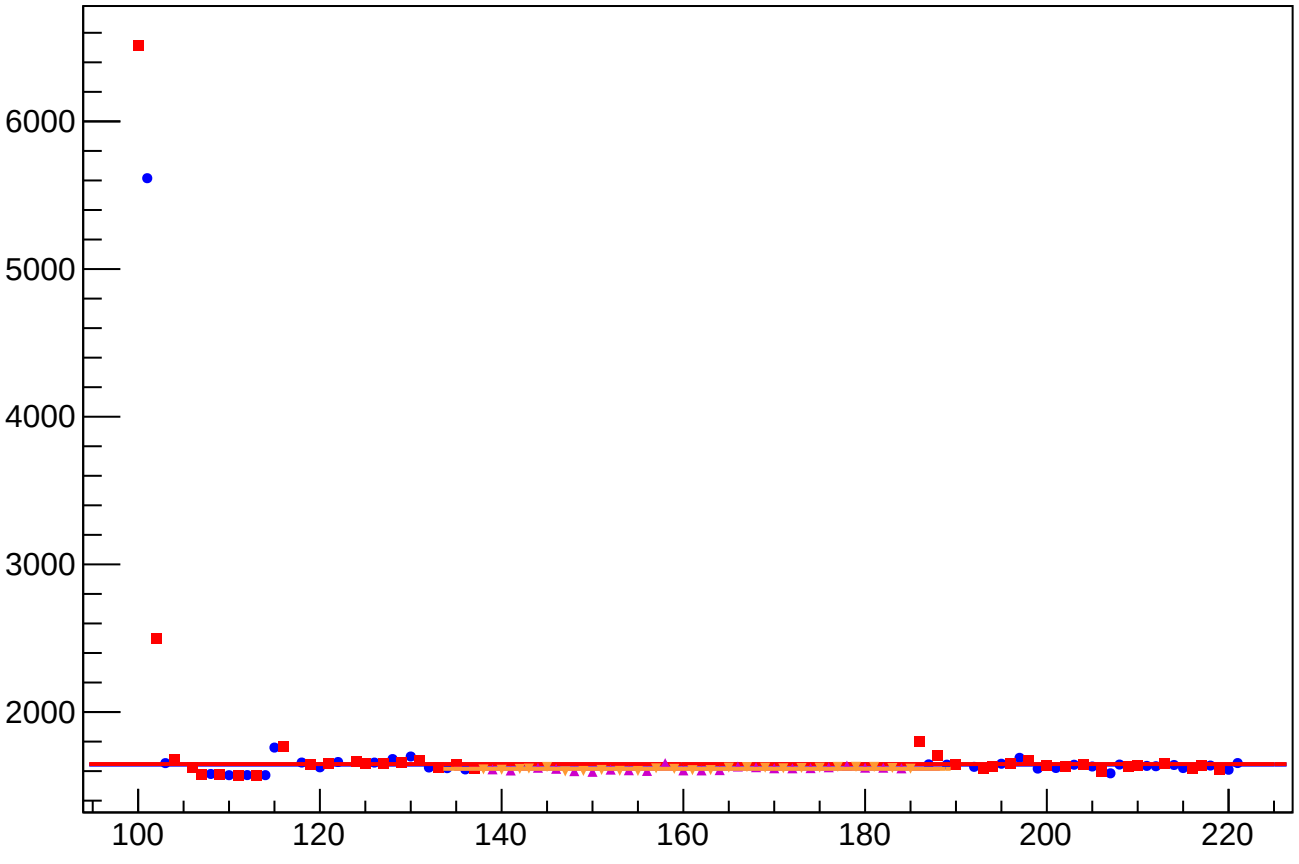
Right Out: -2122.403+/-359.576 χ^2/NDF: 30.2/35

Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2214.215+/-254.199 χ^2/NDF: 51.5/58

All: 42.338+/-181.875 χ^2/NDF: 265.5/117

- sign -2235.596+/-260.332 χ^2/NDF: 64.5/58



Right In: 1643.977+/-0.249 χ^2/NDF: 671609.3/33

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

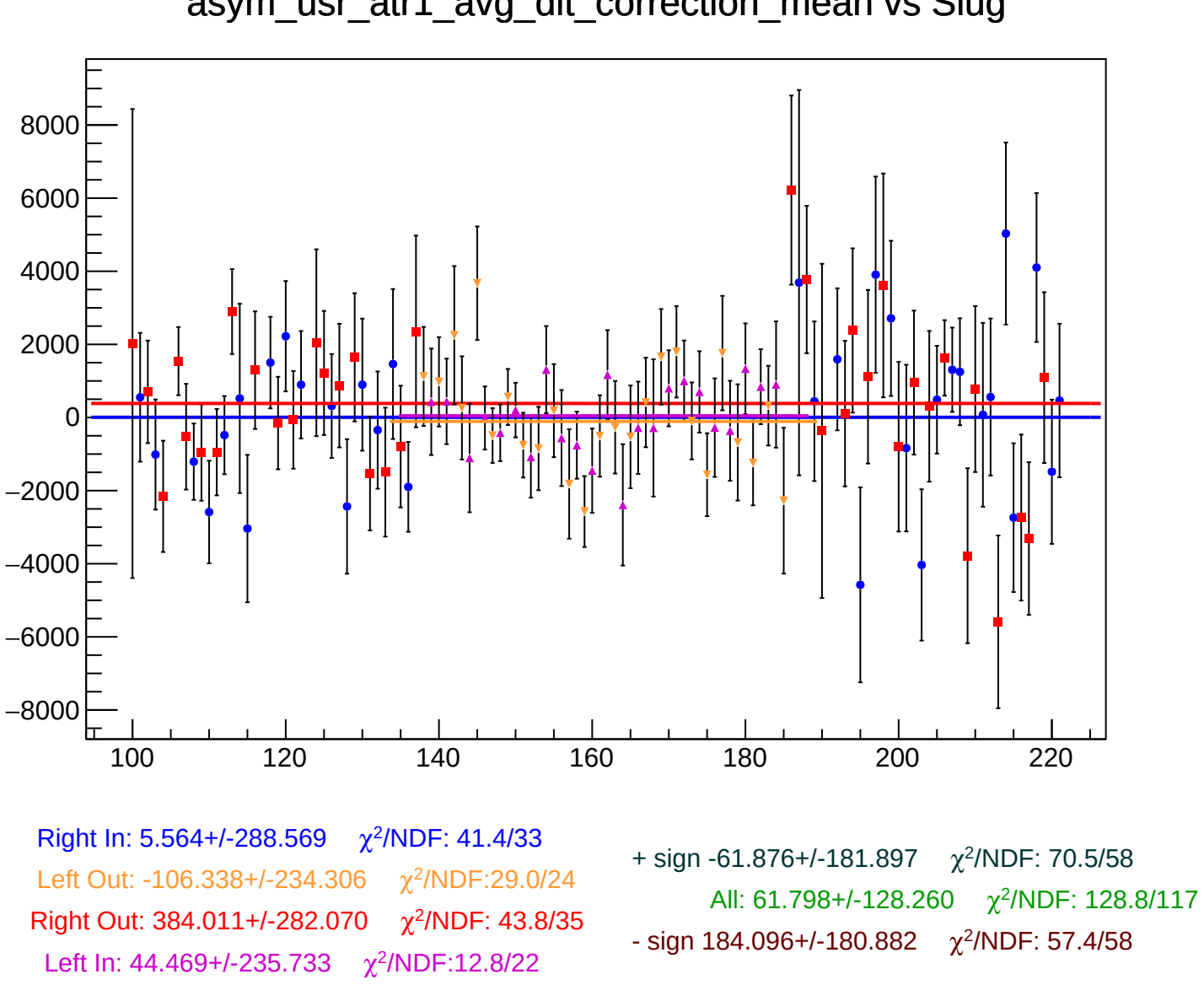
Right Out: 1647.901+/-0.254 χ^2/NDF: 207229.7/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

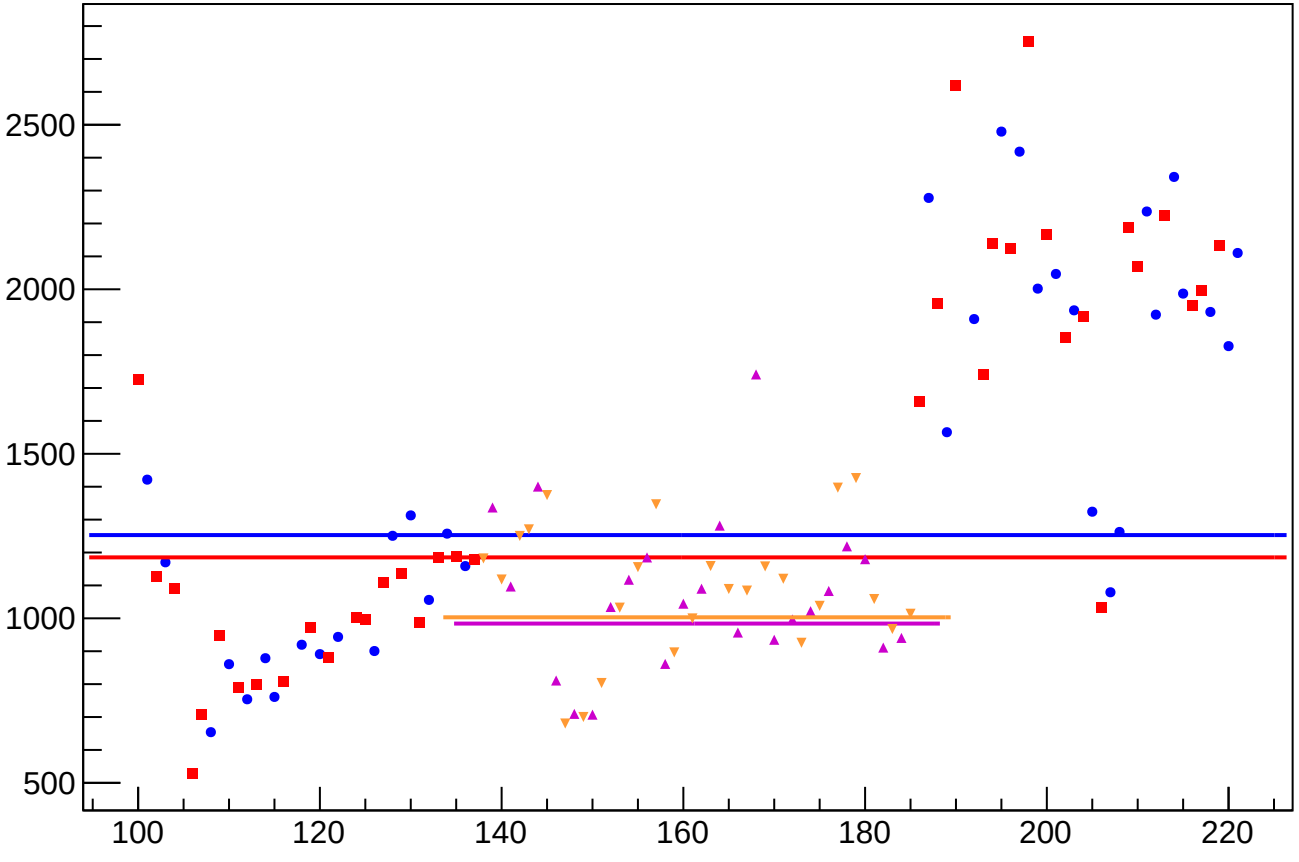
+ sign 1630.378+/-0.180 χ^2/NDF: 679262.7/58

All: 1631.606+/-0.129 χ^2/NDF: 896467.5/117

- sign 1632.893+/-0.184 χ^2/NDF: 217109.3/58


asym_usr_atr1_avg_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 5.564+/-288.569 χ²/NDF: 41.4/33
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: 384.011+/-282.070 χ²/NDF: 43.8/35
Left In: 44.469+/-235.733 χ²/NDF:12.8/22
+ sign -61.876+/-181.897 χ²/NDF: 70.5/58
All: 61.798+/-128.260 χ²/NDF: 128.8/117
- sign 184.096+/-180.882 χ²/NDF: 57.4/58

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1253.001+/-0.204 χ^2/NDF: 5722539.7/33

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1185.224+/-0.199 χ^2/NDF: 6789312.0/35

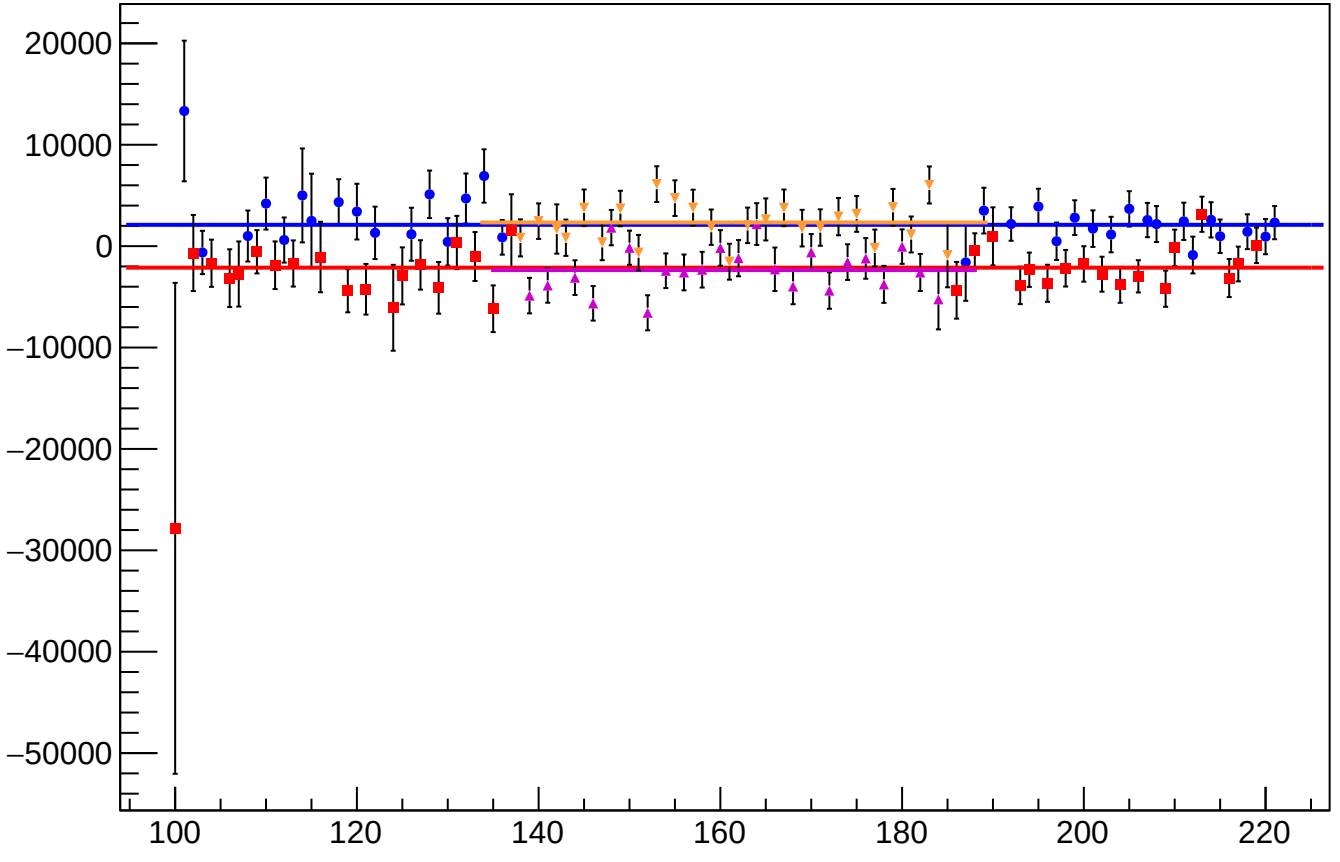
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

\+ sign 1102.393+/-0.129 χ^2/NDF: 8224903.3/58

All: 1084.486+/-0.091 χ^2/NDF: 17211280.2/1

\- sign 1066.779+/-0.128 χ^2/NDF: 8947828.5/58

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2102.971+/-352.435 χ^2/NDF: 23.0/33

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2122.403+/-359.576 χ^2/NDF: 30.2/35

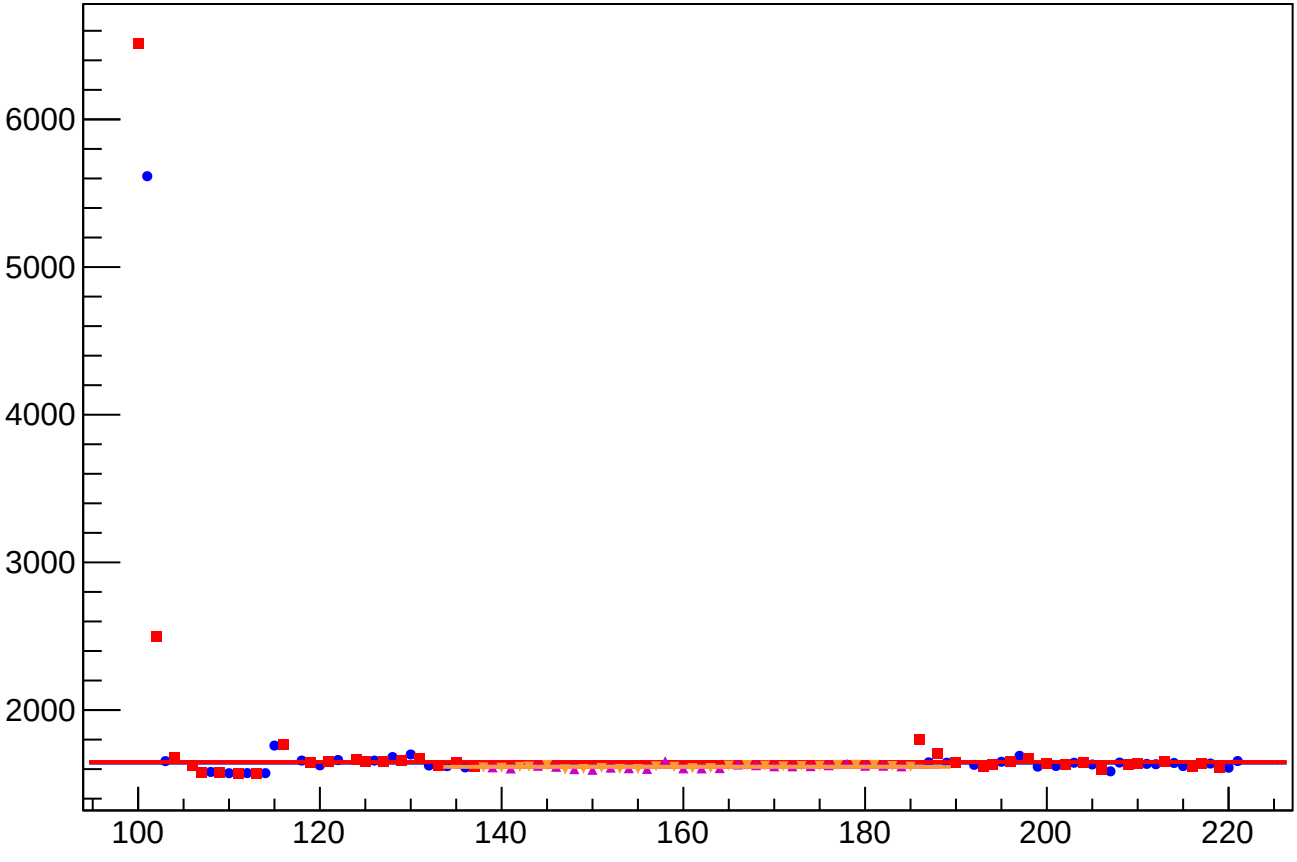
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2214.216+/-254.199 χ^2/NDF: 51.5/58

All: 42.339+/-181.875 χ^2/NDF: 265.5/117

- sign -2235.596+/-260.332 χ^2/NDF: 64.5/58

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.977+/-0.249 χ^2/NDF: 671609.3/33

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

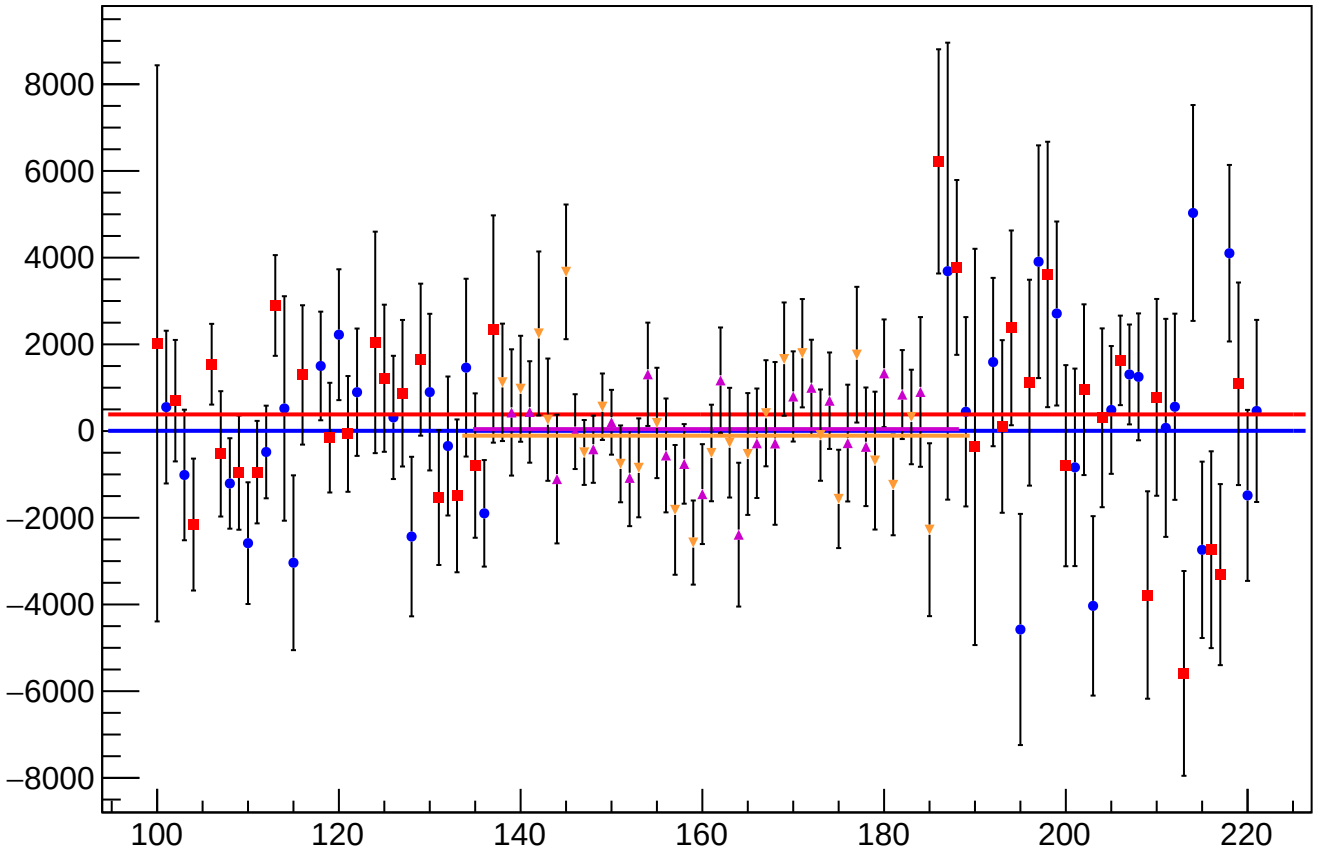
Right Out: 1647.900+/-0.254 χ^2/NDF: 207229.6/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.378+/-0.180 χ^2/NDF: 679262.6/58

All: 1631.606+/-0.129 χ^2/NDF: 896467.3/117

- sign 1632.893+/-0.184 χ^2/NDF: 217109.1/58



Right In: 5.563+/-288.569 χ^2/NDF: 41.4/33

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

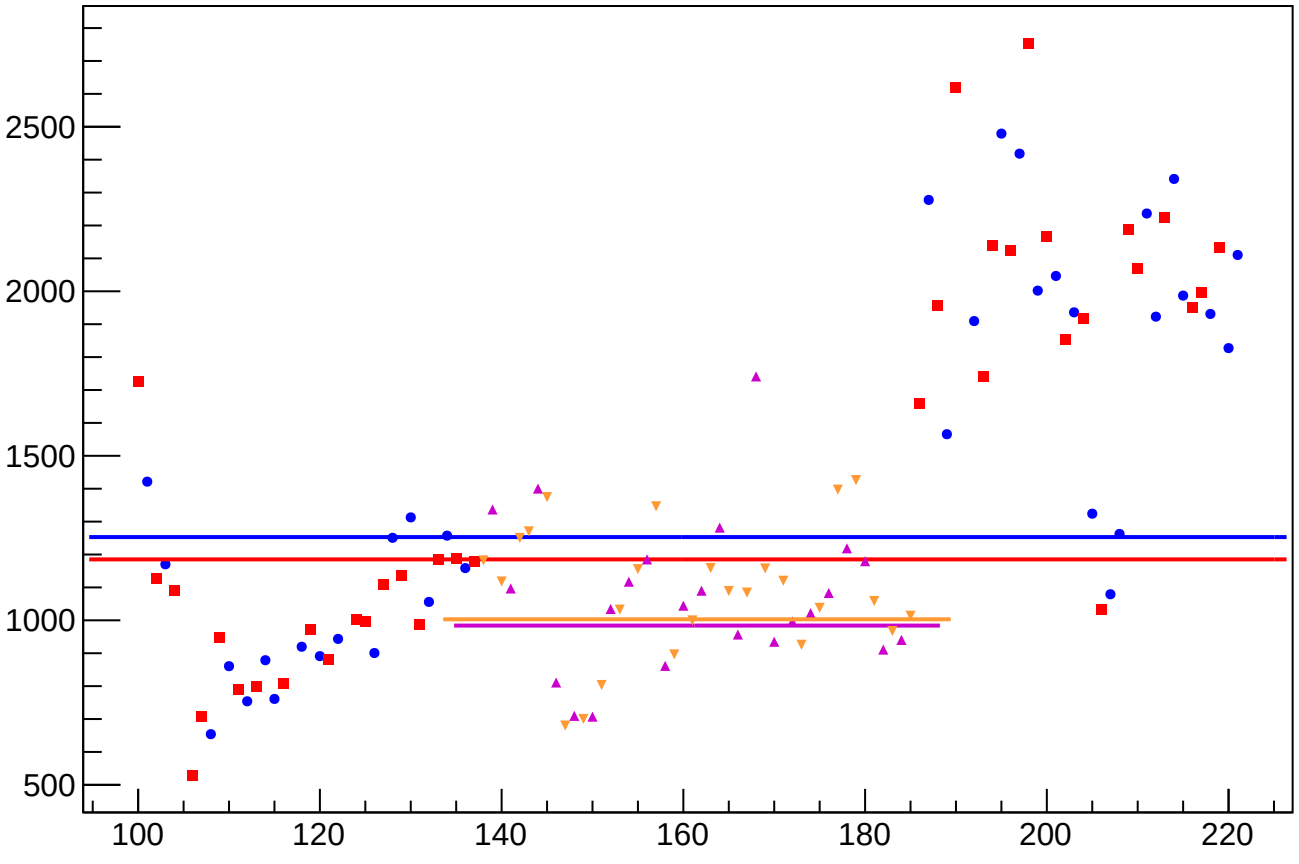
Right Out: 384.009+/-282.070 χ^2/NDF: 43.8/35

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -61.878+/-181.897 χ^2/NDF: 70.5/58

All: 61.797+/-128.260 χ^2/NDF: 128.8/117

- sign 184.096+/-180.882 χ^2/NDF: 57.4/58



Right In: 1252.998+/-0.204 χ^2/NDF: 5722610.5/33

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

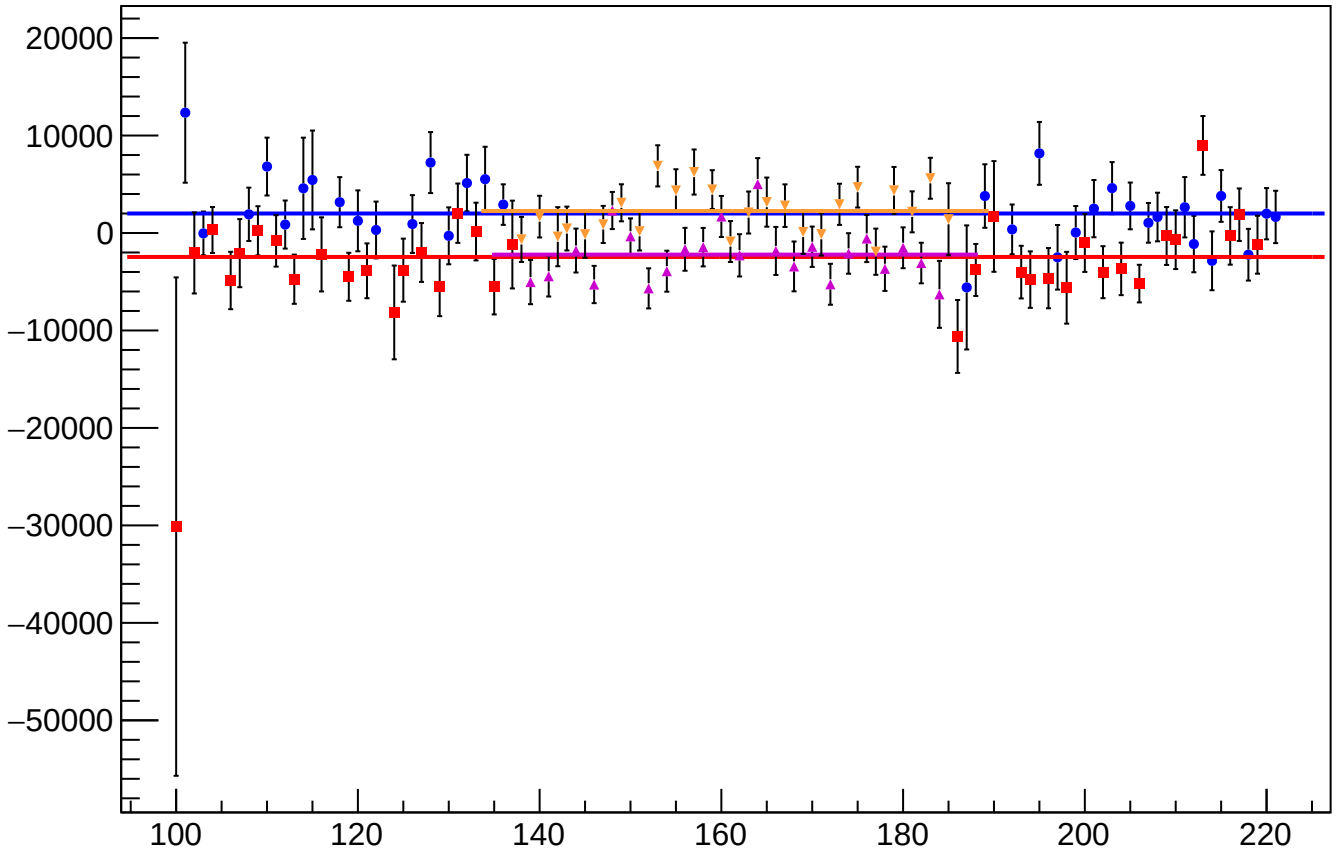
Right Out: 1185.221+/-0.199 χ^2/NDF: 6789358.9/35

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1102.393+/-0.129 χ^2/NDF: 8224939.4/58

All: 1084.487+/-0.091 χ^2/NDF: 17211338.3/1

- sign 1066.780+/-0.128 χ^2/NDF: 8947850.3/58



Right In: 2000.638+/-489.248 χ^2/NDF: 29.3/33

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2458.234+/-497.444 χ^2/NDF: 42.4/35

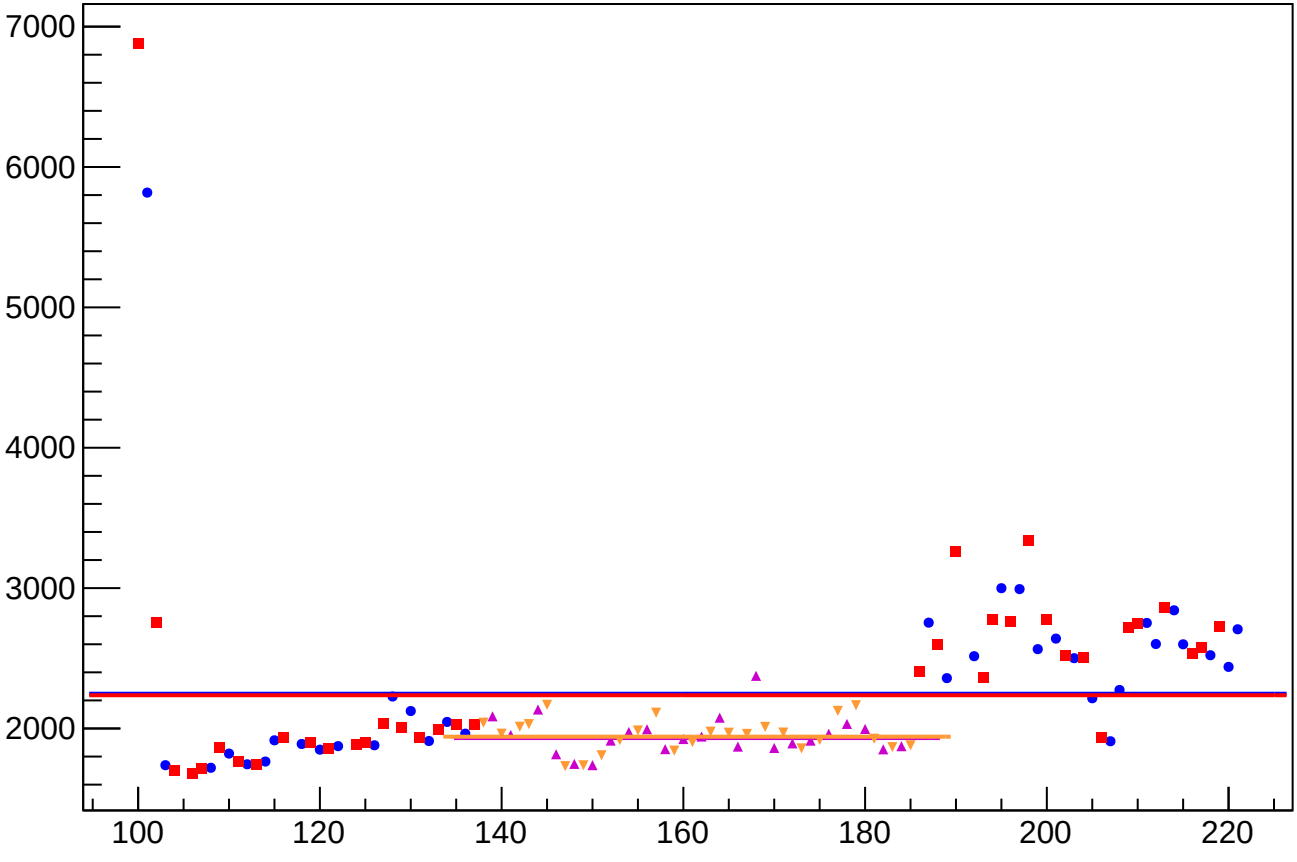
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2139.189+/-328.063 χ^2/NDF: 57.8/58

All: -49.804+/-234.268 χ^2/NDF: 222.7/117

- sign -2327.487+/-334.643 χ^2/NDF: 74.0/58

asym_usr_atr1_avg_rms vs Slug



Right In: 2247.646+/-0.346 χ^2/NDF: 1701642.2/33

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

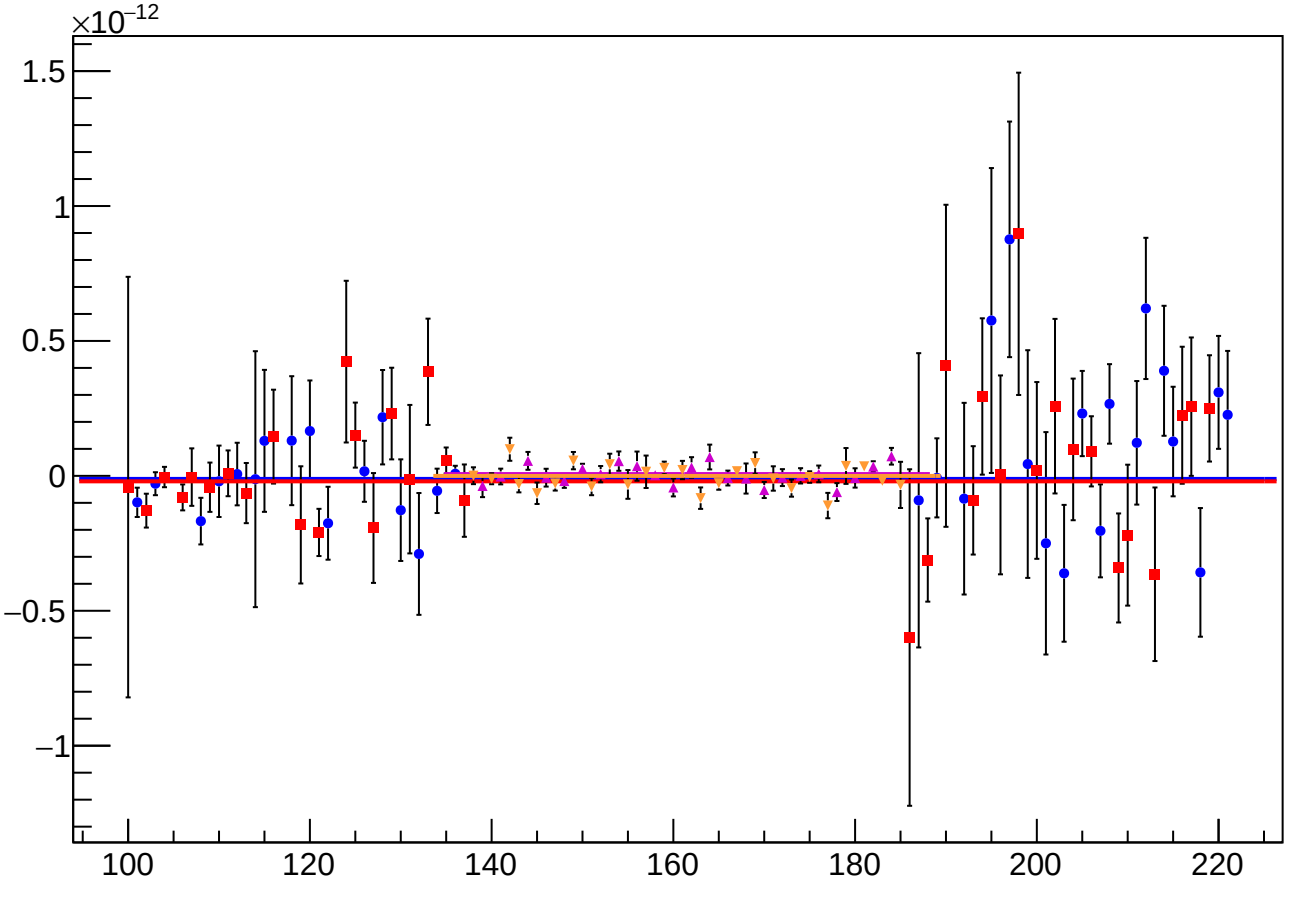
Right Out: 2236.861+/-0.352 χ^2/NDF: 1567210.4/35

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2079.199+/-0.232 χ^2/NDF: 2271424.4/58

All: 2074.624+/-0.166 χ^2/NDF: 4411039.1/11

- sign 2069.865+/-0.237 χ^2/NDF: 2138821.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

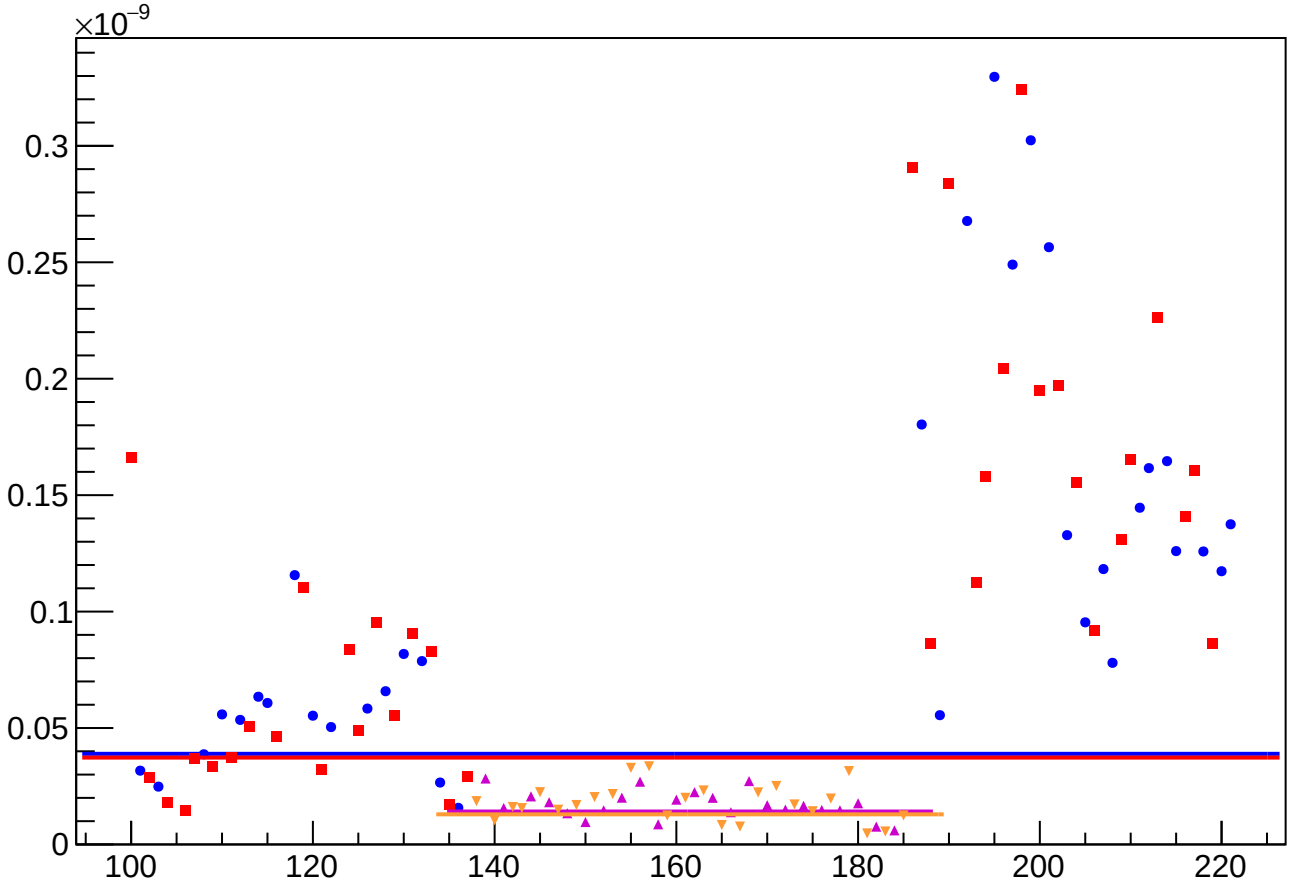
Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/35

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.7/58

All: 0.000+/-0.000 χ^2/NDF: 157.5/117

- sign 0.000+/-0.000 χ^2/NDF: 73.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 9203323.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8720540.4/35

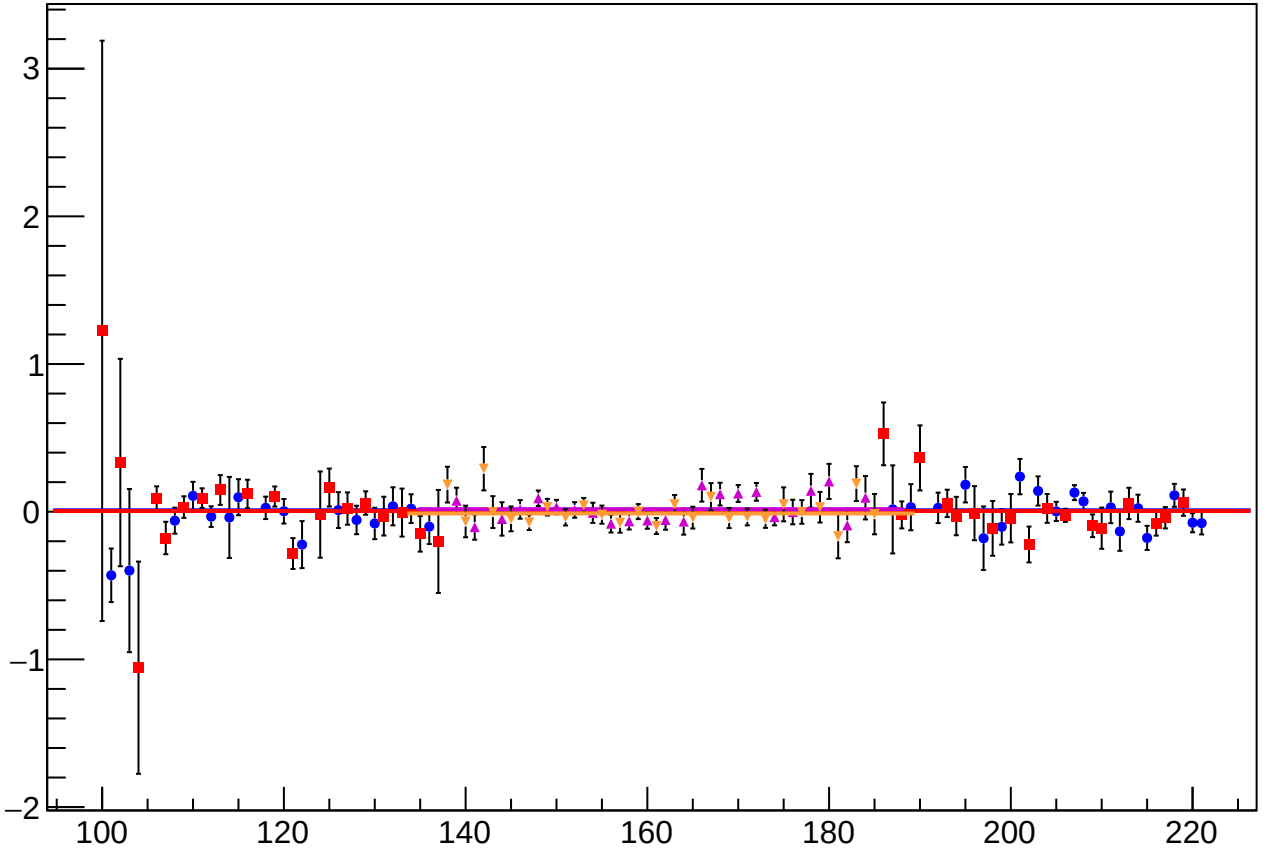
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15804262.6/58

All: 0.000+/-0.000 χ^2/NDF: 28948069.8/117

- sign 0.000+/-0.000 χ^2/NDF: 13100100.9/58

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

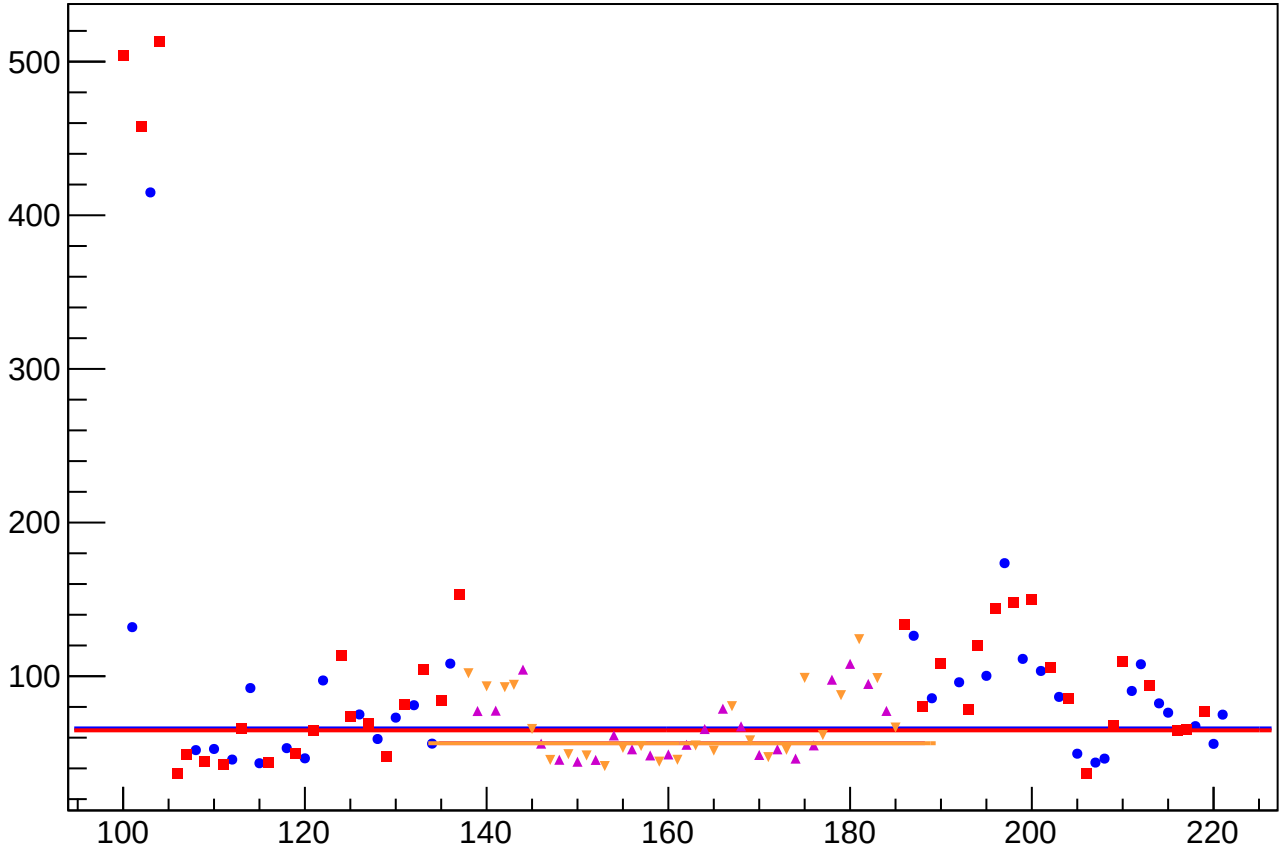
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 138.7/117

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.999+/-0.011 χ^2/NDF: 4715545.5/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

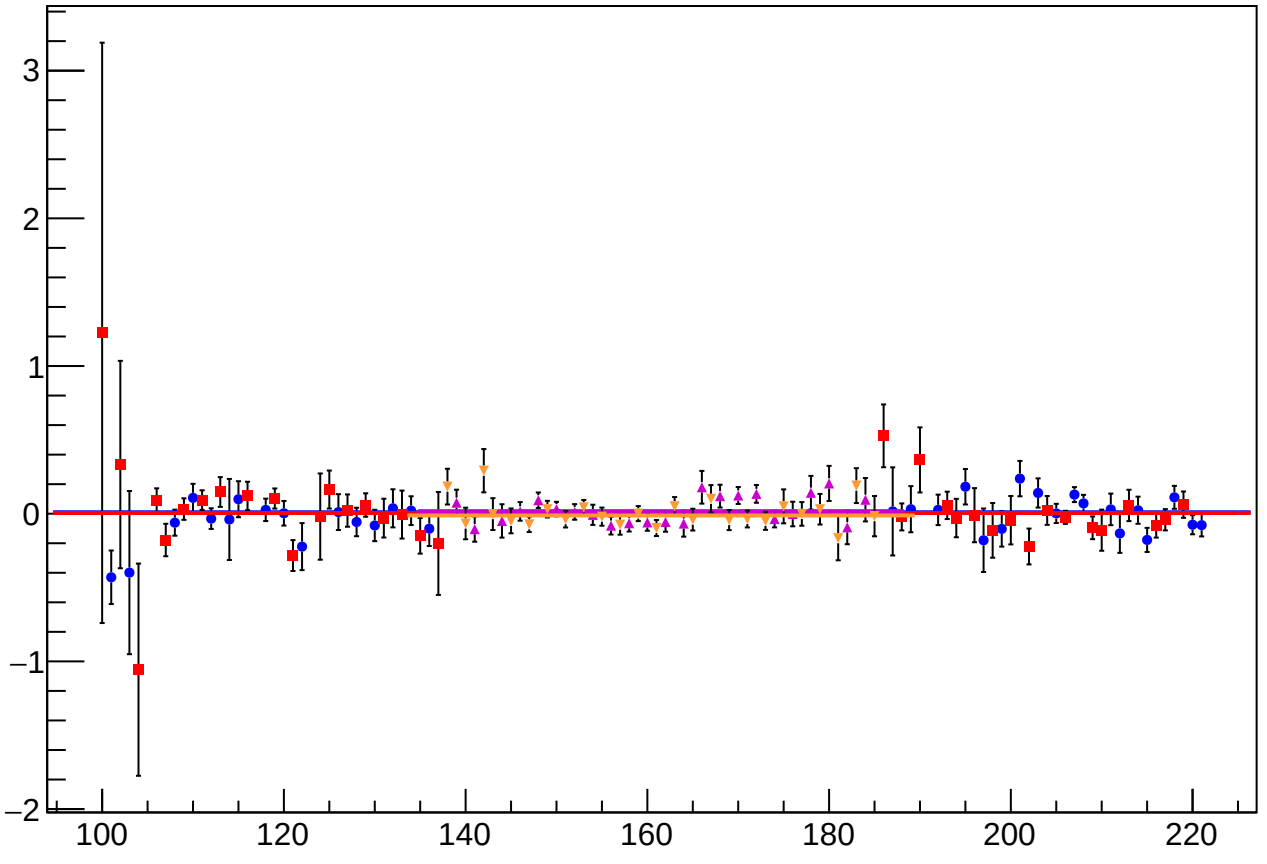
Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909168.3/58

All: 60.308+/-0.005 χ^2/NDF: 16777360.0/117

- sign 60.010+/-0.008 χ^2/NDF: 8865302.1/58



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

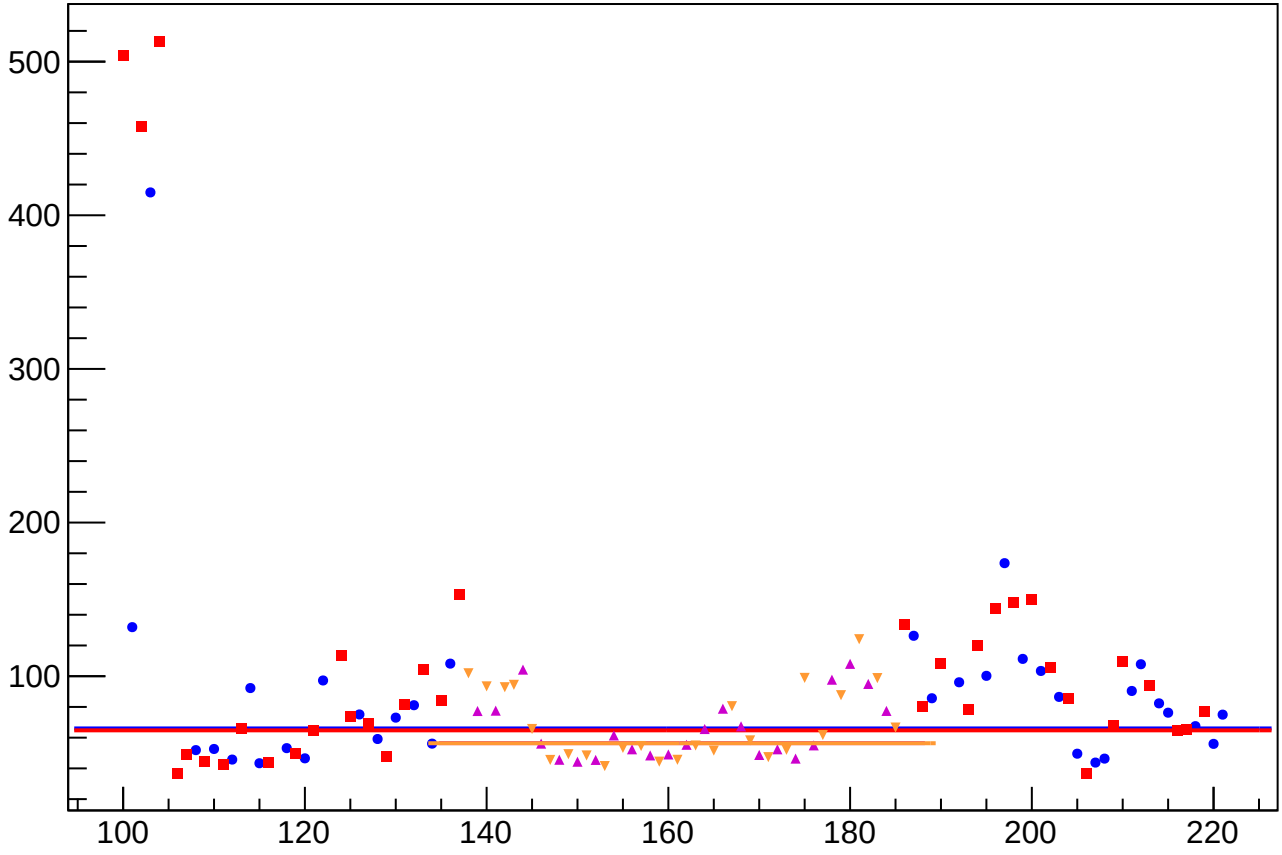
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

\+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 138.7/117

\- sign 0.012+/-0.011 χ^2/NDF: 74.8/58

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.999+/-0.011 χ^2/NDF: 4715545.5/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

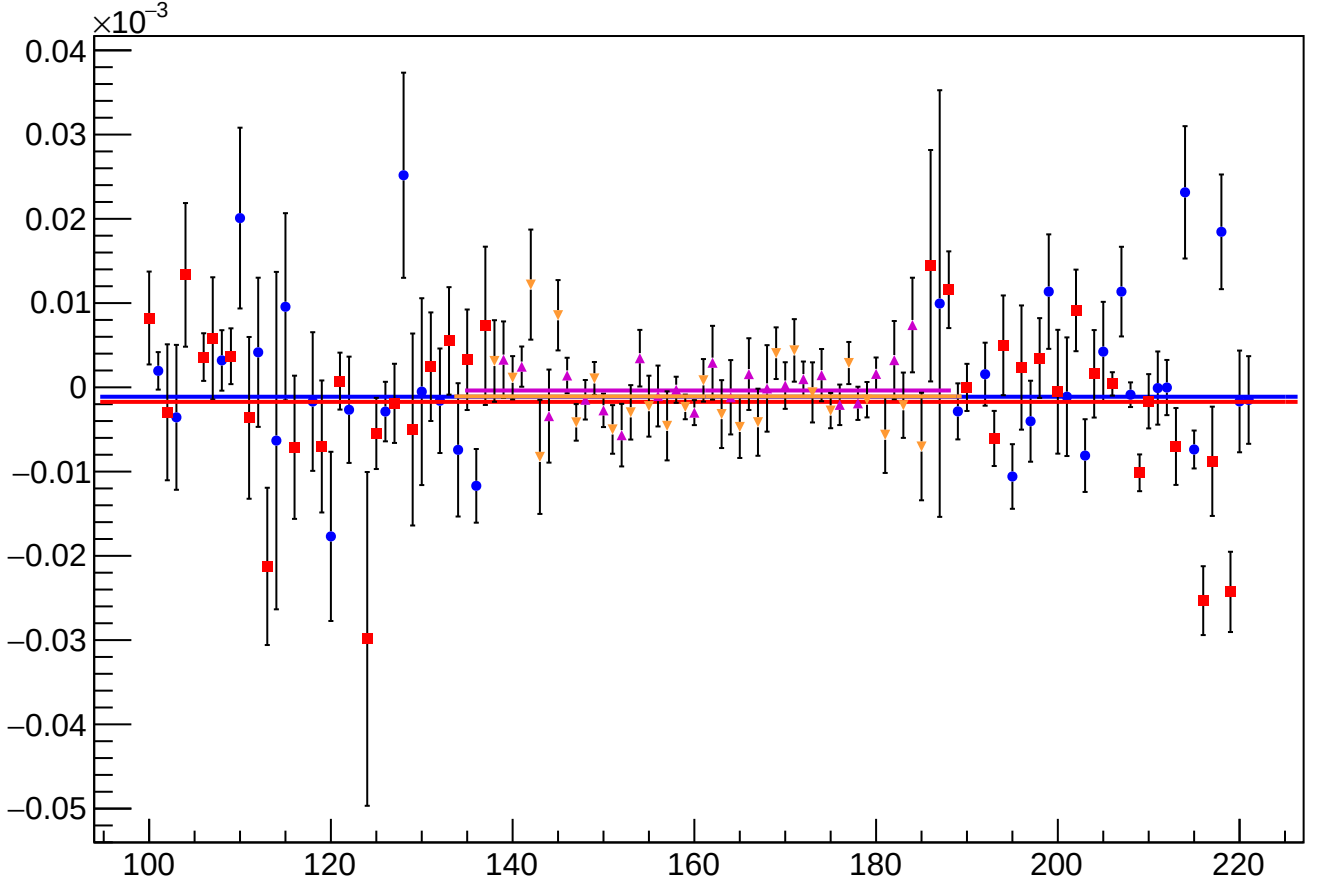
Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909168.3/58

All: 60.308+/-0.005 χ^2/NDF: 16777360.0/117

- sign 60.010+/-0.008 χ^2/NDF: 8865302.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 68.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

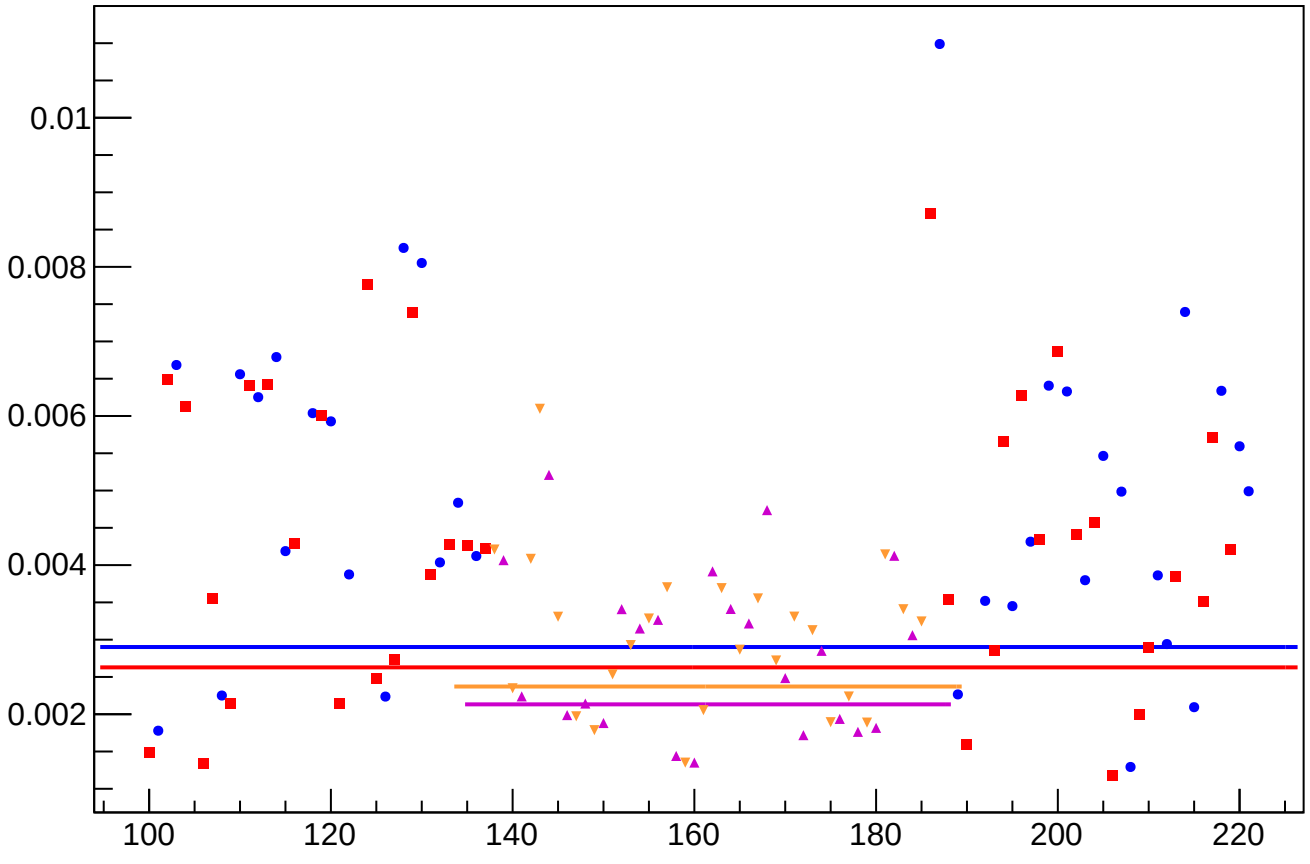
Right Out: -0.000+/-0.000 χ^2/NDF: 121.6/35

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.9/58

All: -0.000+/-0.000 χ^2/NDF: 241.5/117

- sign -0.000+/-0.000 χ^2/NDF: 141.5/58



Right In: 0.003+/-0.000 χ^2/NDF: 10308016.6/33

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9934460.8/35

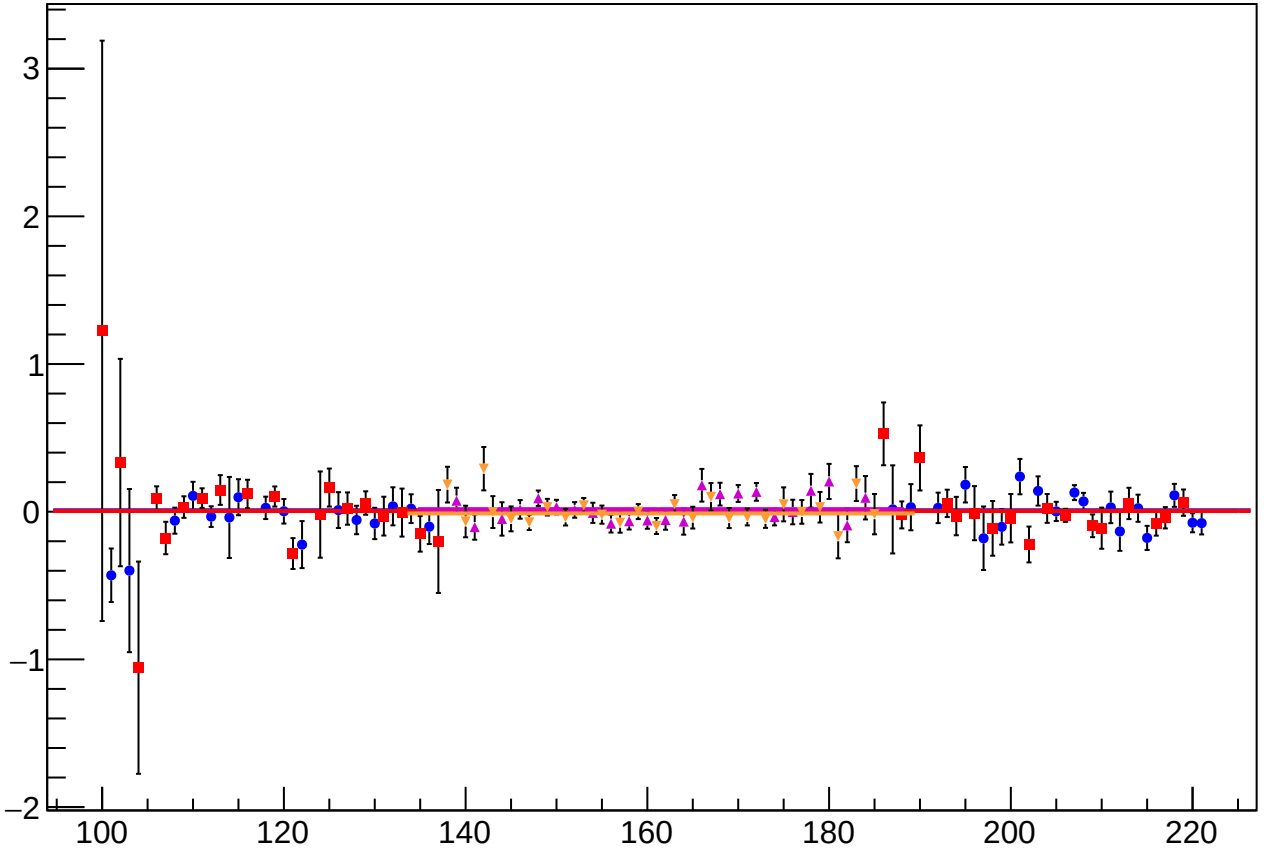
Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 15120819.6/58

All: 0.002+/-0.000 χ^2/NDF: 30570149.9/117

- sign 0.002+/-0.000 χ^2/NDF: 15099413.2/58

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

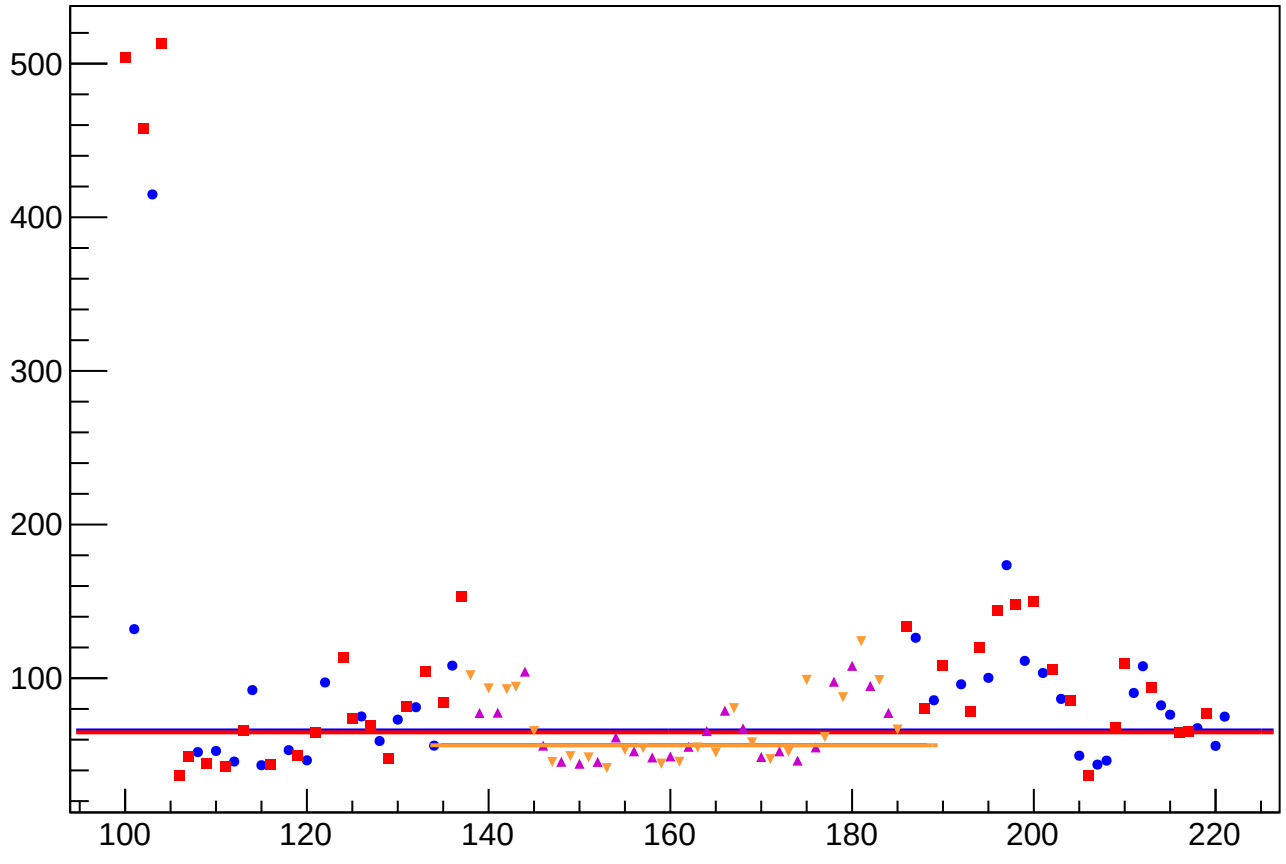
Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 138.7/117

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58



Right In: 65.998+/-0.011 χ^2/NDF: 4715512.0/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

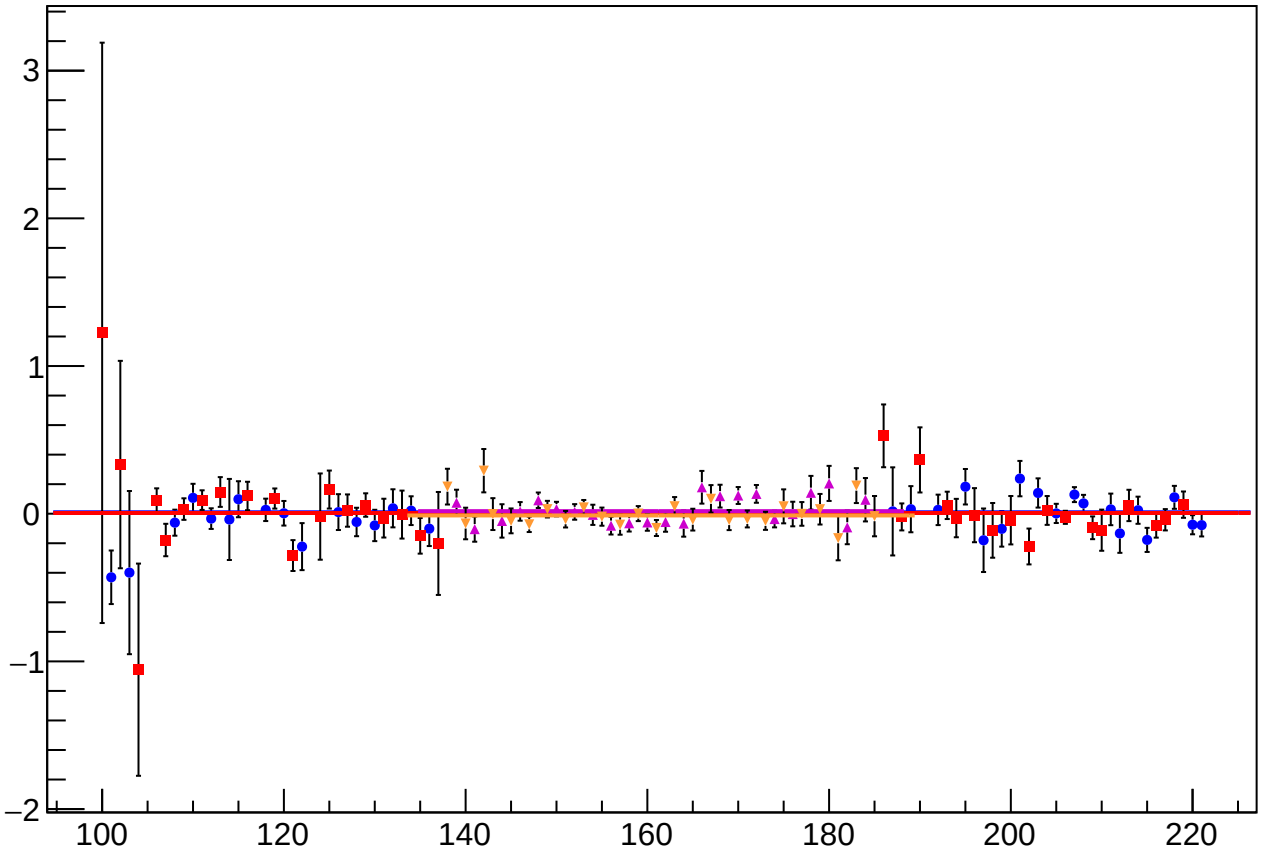
Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909166.2/58

All: 60.308+/-0.005 χ^2/NDF: 16777348.1/117

- sign 60.010+/-0.008 χ^2/NDF: 8865291.1/58



Right In: 0.010+/-0.016 χ^2/NDF: 40.3/33

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

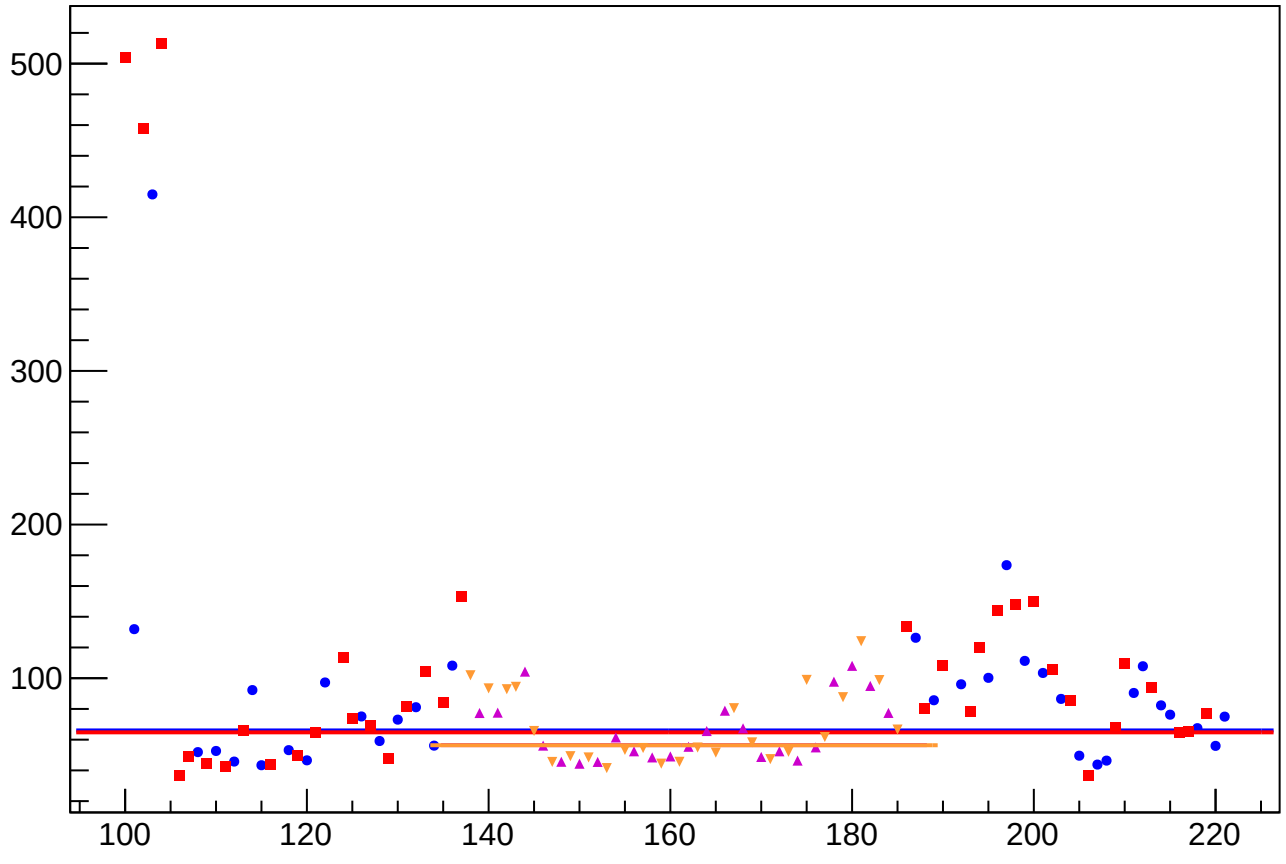
Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.002+/-0.011 χ^2/NDF: 63.1/58

All: 0.005+/-0.008 χ^2/NDF: 138.7/117

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58



Right In: 65.998+/-0.011 χ^2/NDF: 4715512.0/33

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

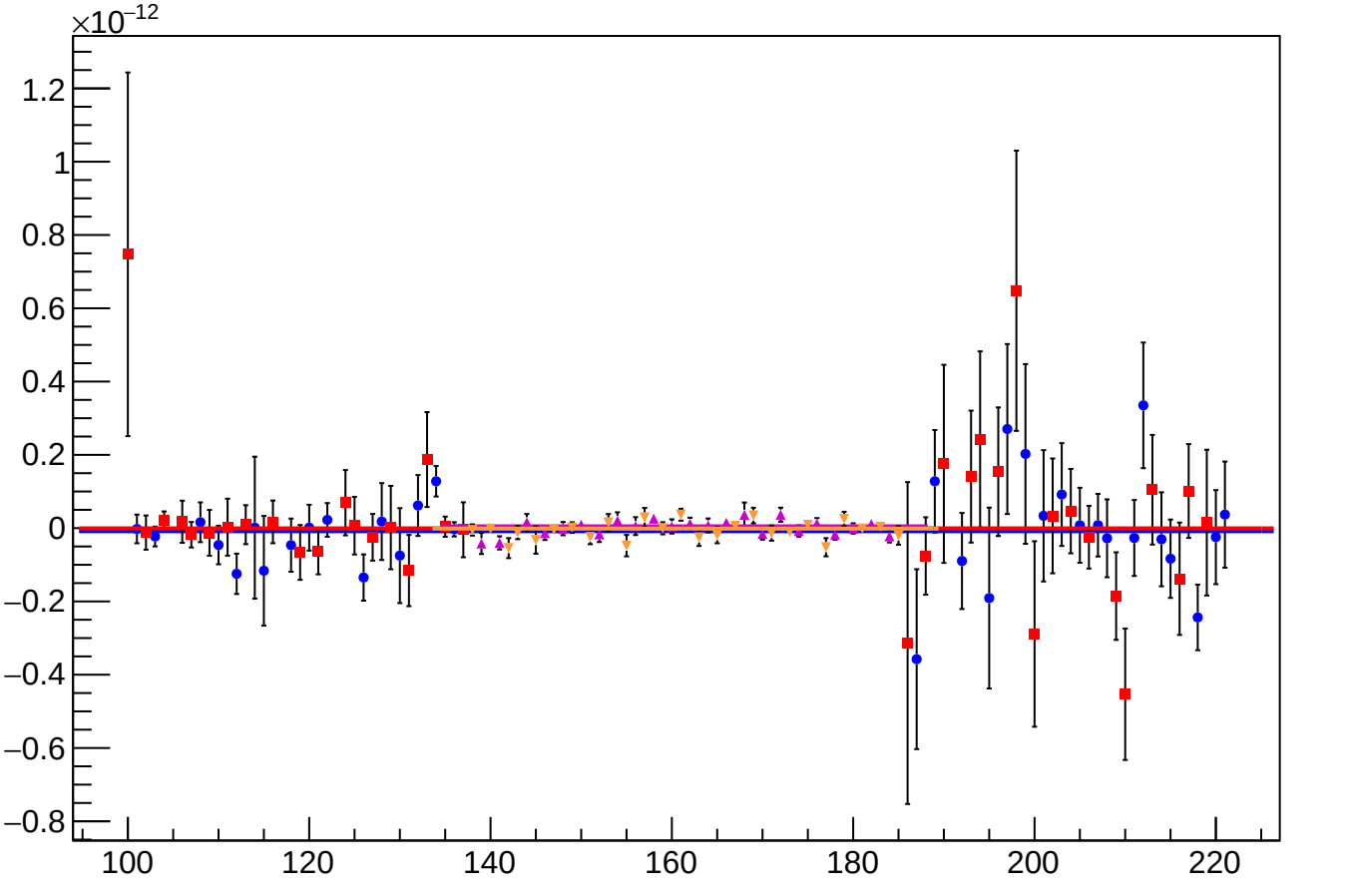
Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.593+/-0.008 χ^2/NDF: 7909166.2/58

All: 60.308+/-0.005 χ^2/NDF: 16777348.1/117

- sign 60.010+/-0.008 χ^2/NDF: 8865291.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 41.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

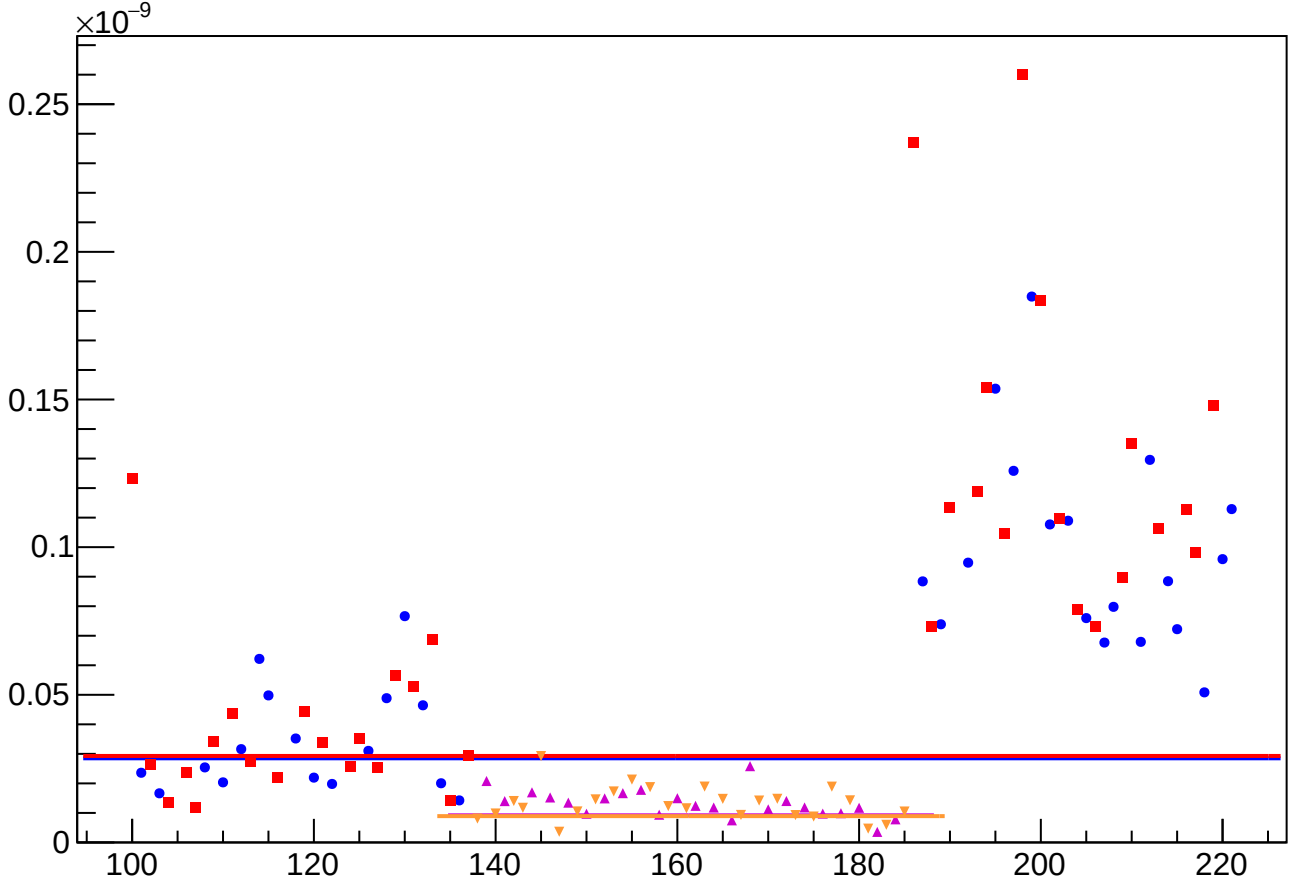
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.0/58

All: 0.000+/-0.000 χ^2/NDF: 130.8/117

- sign 0.000+/-0.000 χ^2/NDF: 57.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 10307751.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11593462.1/35

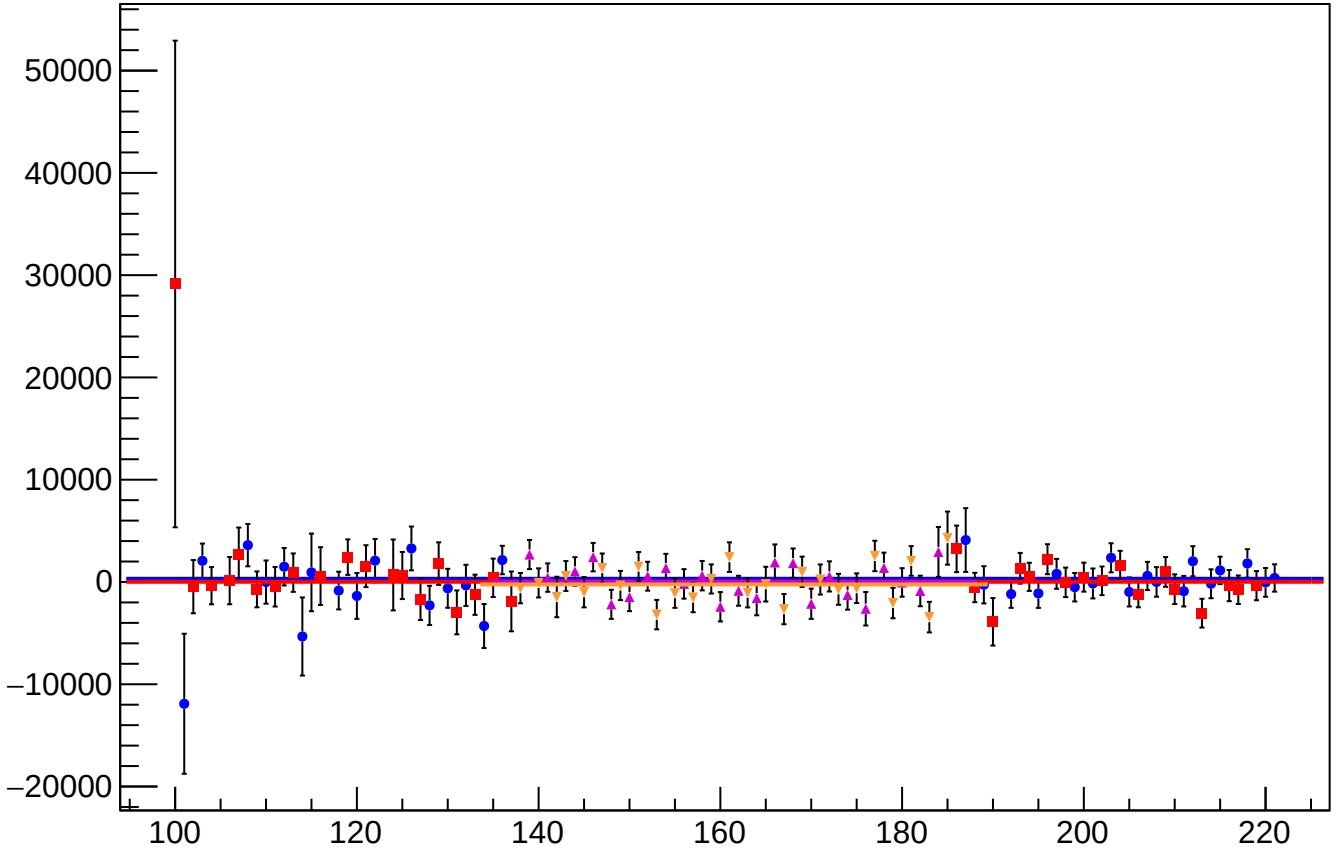
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 21734255.5/58

All: 0.000+/-0.000 χ^2/NDF: 44308575.2/117

- sign 0.000+/-0.000 χ^2/NDF: 22569081.7/58

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 311.047+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 20.853+/-291.825 χ^2/NDF: 26.2/35

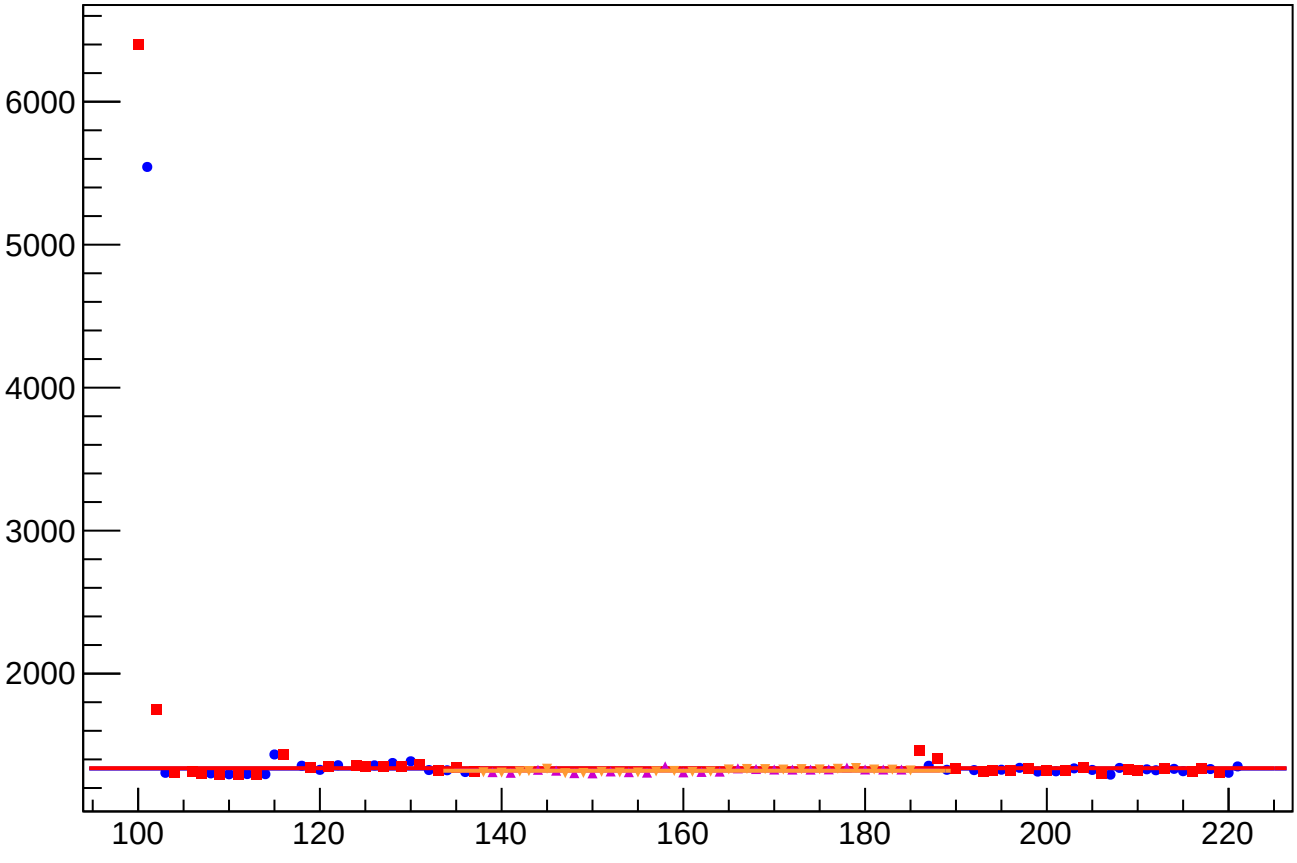
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign 47.650+/-207.252 χ^2/NDF: 66.1/58

All: 38.771+/-148.214 χ^2/NDF: 119.5/117

- sign 29.477+/-212.041 χ^2/NDF: 53.3/58

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1335.691+/-0.203 χ^2/NDF: 768222.1/33

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1338.607+/-0.206 χ^2/NDF: 163454.8/35

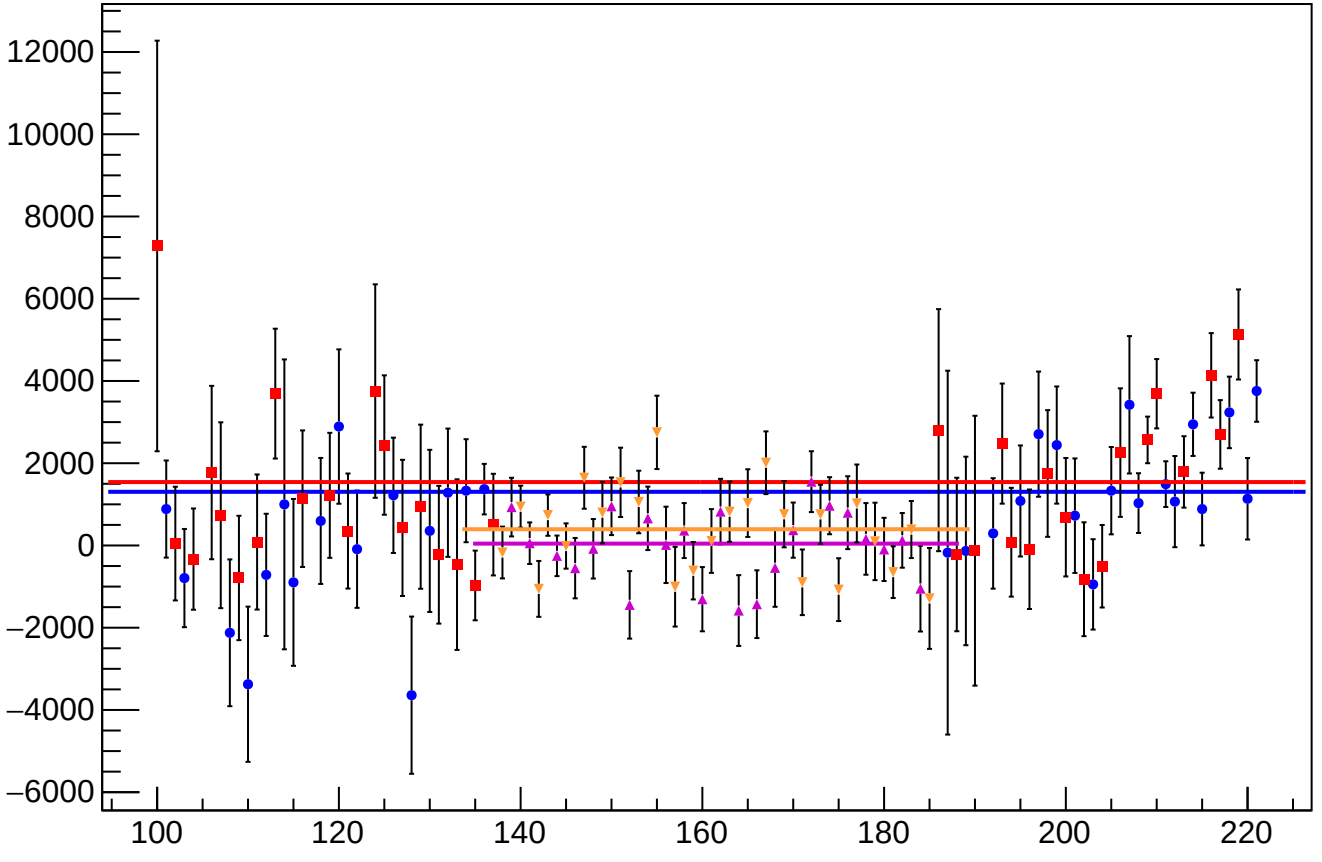
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.556+/-0.147 χ^2/NDF: 773420.9/58

All: 1329.586+/-0.105 χ^2/NDF: 943668.3/117

- sign 1330.665+/-0.150 χ^2/NDF: 170146.2/58

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1304.880+/-193.787 χ^2/NDF: 54.2/33

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 1541.913+/-214.112 χ^2/NDF: 64.7/35

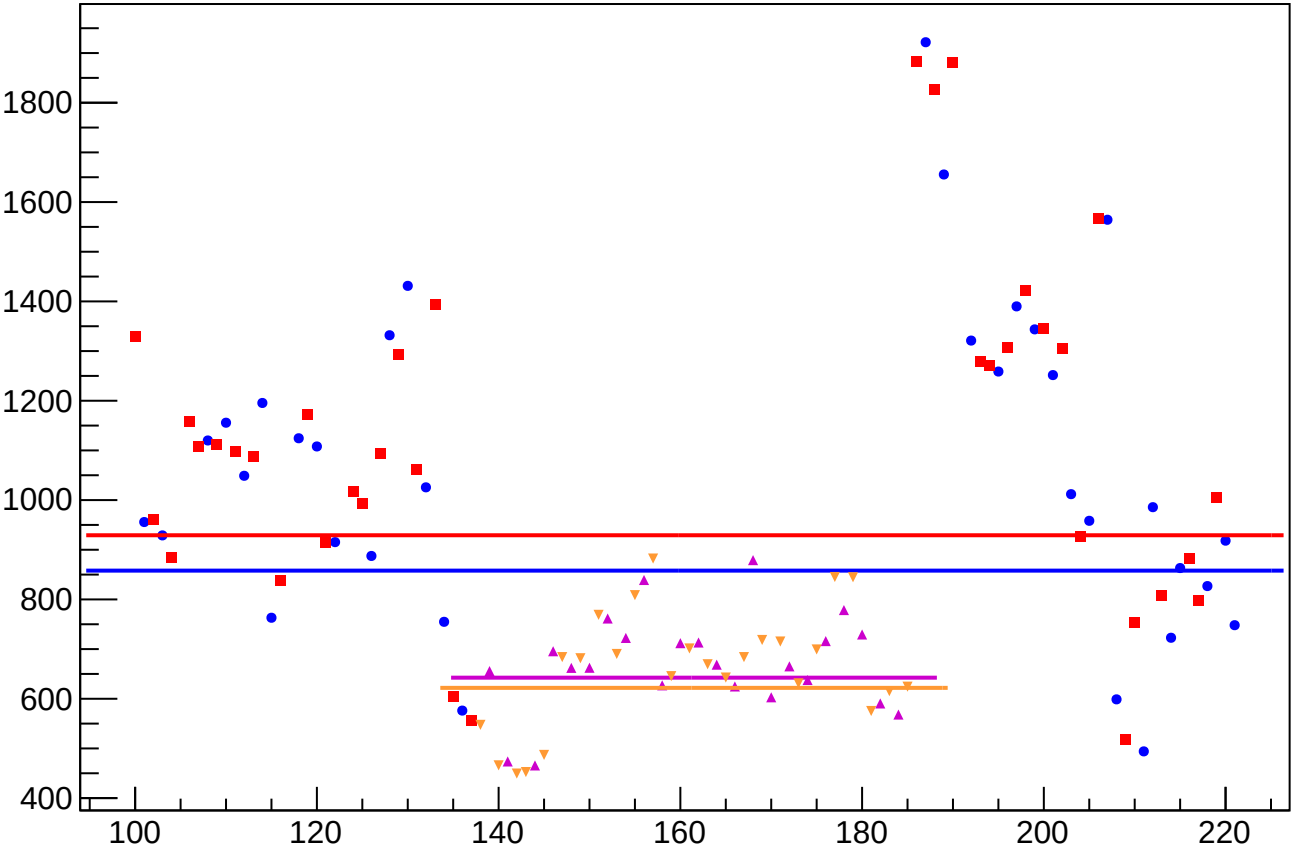
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 720.020+/-115.872 χ^2/NDF: 110.3/58

All: 639.879+/-84.701 χ^2/NDF: 236.0/117

- sign 547.919+/-124.124 χ^2/NDF: 124.7/58

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 857.985+/-0.137 χ^2/NDF: 4095478.3/33

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 929.196+/-0.151 χ^2/NDF: 4179403.0/35

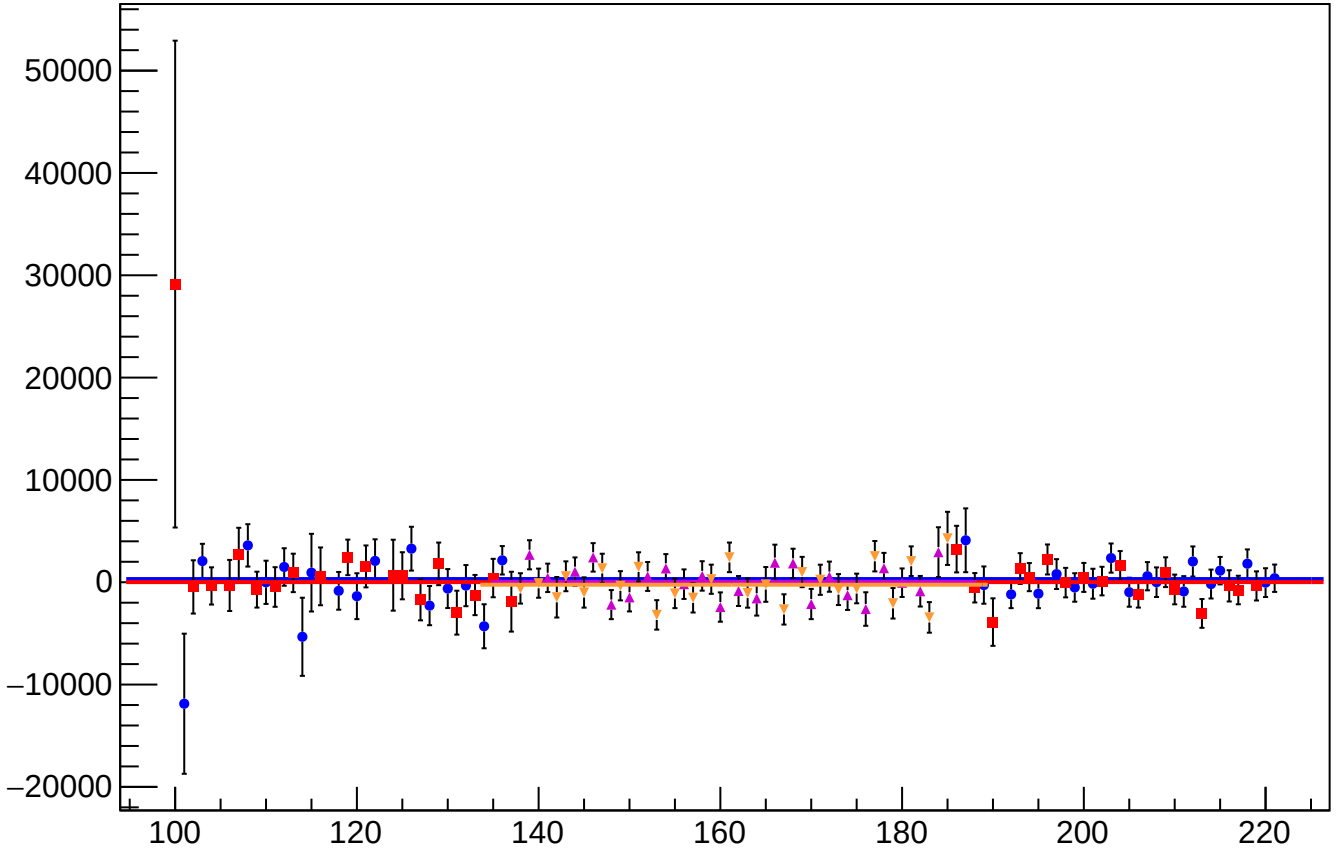
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 706.340+/-0.082 χ^2/NDF: 7385238.8/58

All: 721.469+/-0.060 χ^2/NDF: 14945446.1/11

- sign 738.830+/-0.088 χ^2/NDF: 7486985.7/58

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 311.179+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 14.620+/-292.162 χ^2/NDF: 26.2/35

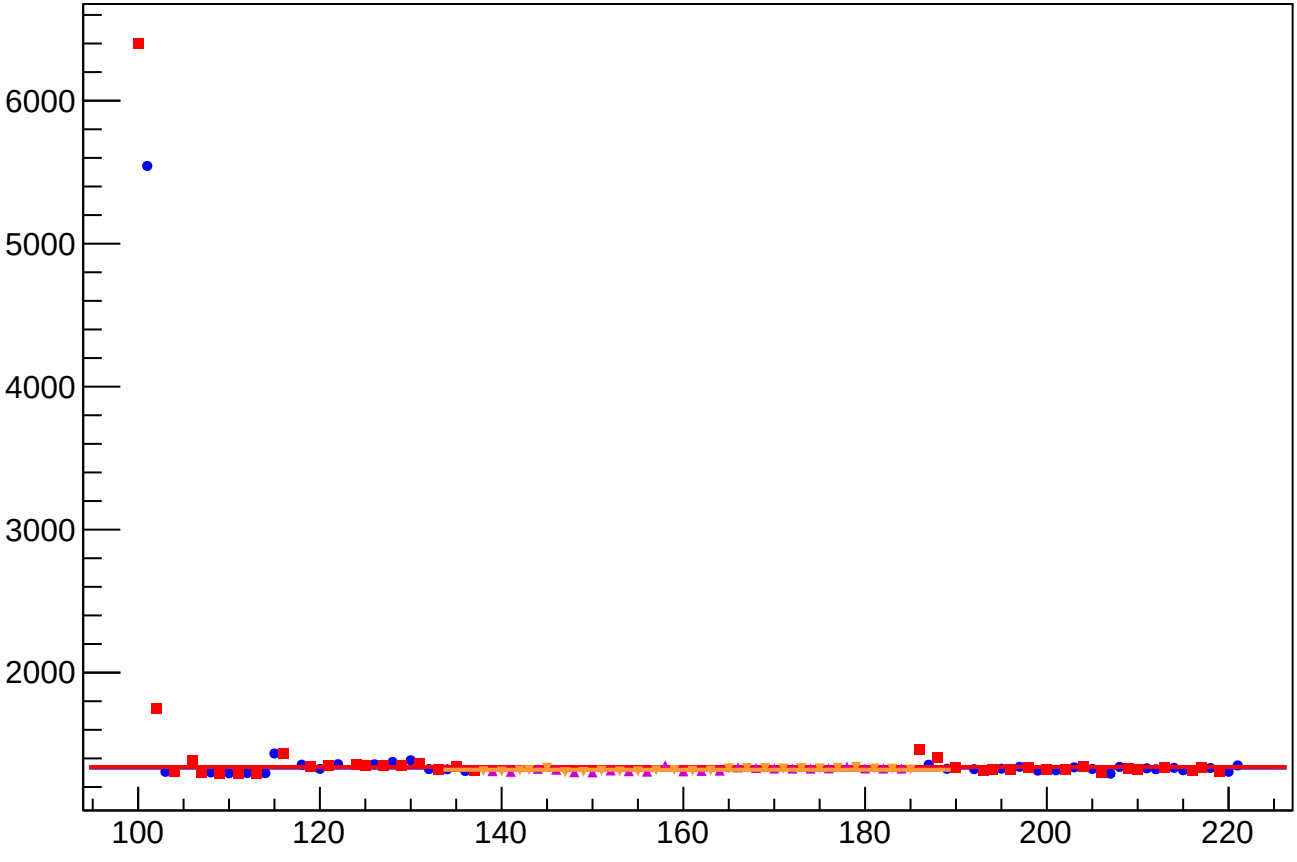
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 47.718+/-207.252 χ^2/NDF: 66.1/58

All: 37.228+/-148.258 χ^2/NDF: 119.5/117

- sign 26.234+/-212.170 χ^2/NDF: 53.4/58

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1335.691+/-0.203 χ^2/NDF: 768221.1/33

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

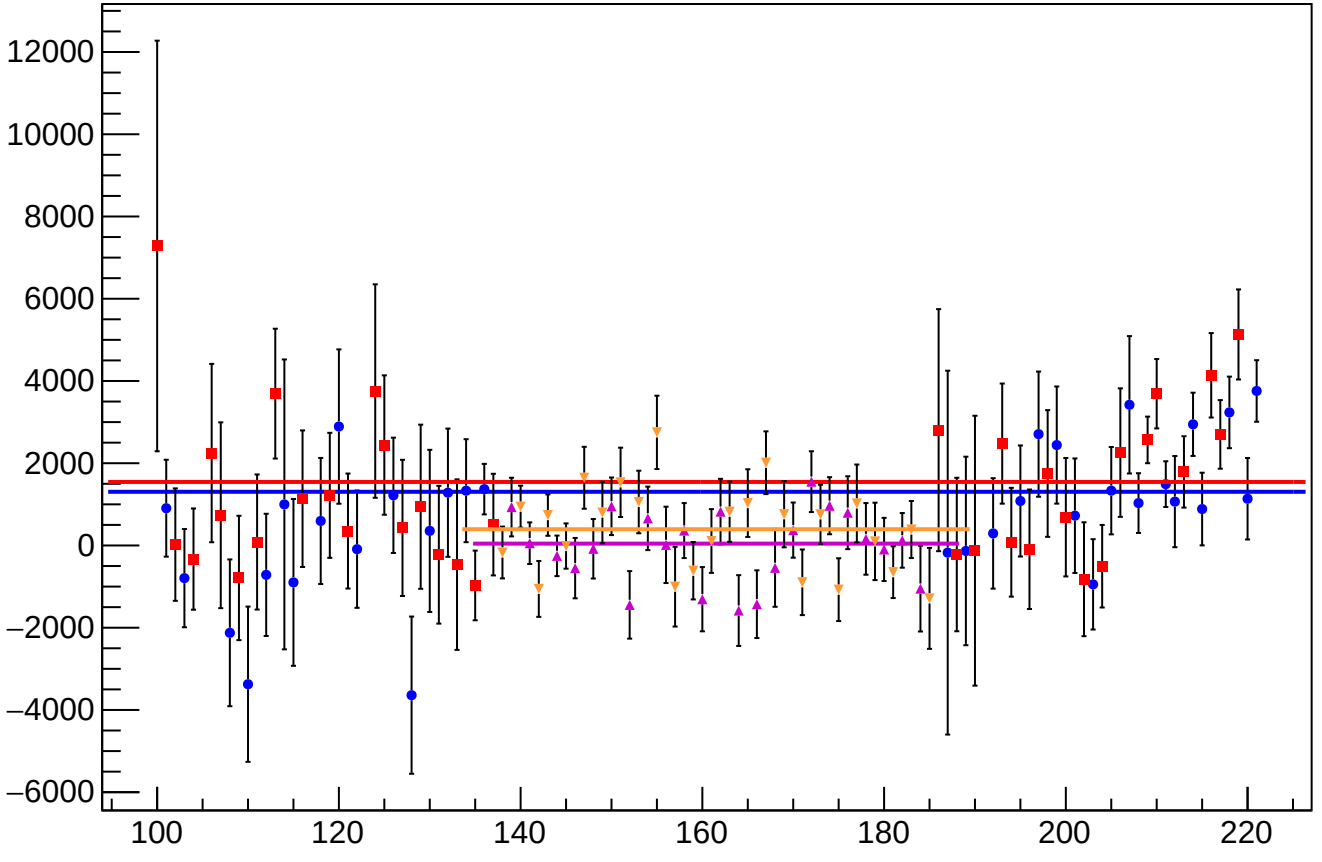
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.556+/-0.147 χ^2/NDF: 773419.9/58

All: 1329.845+/-0.105 χ^2/NDF: 944732.3/117

- sign 1331.197+/-0.150 χ^2/NDF: 171153.9/58

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1305.420+/-193.776 χ^2/NDF: 54.2/33

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1545.011+/-214.112 χ^2/NDF: 64.9/35

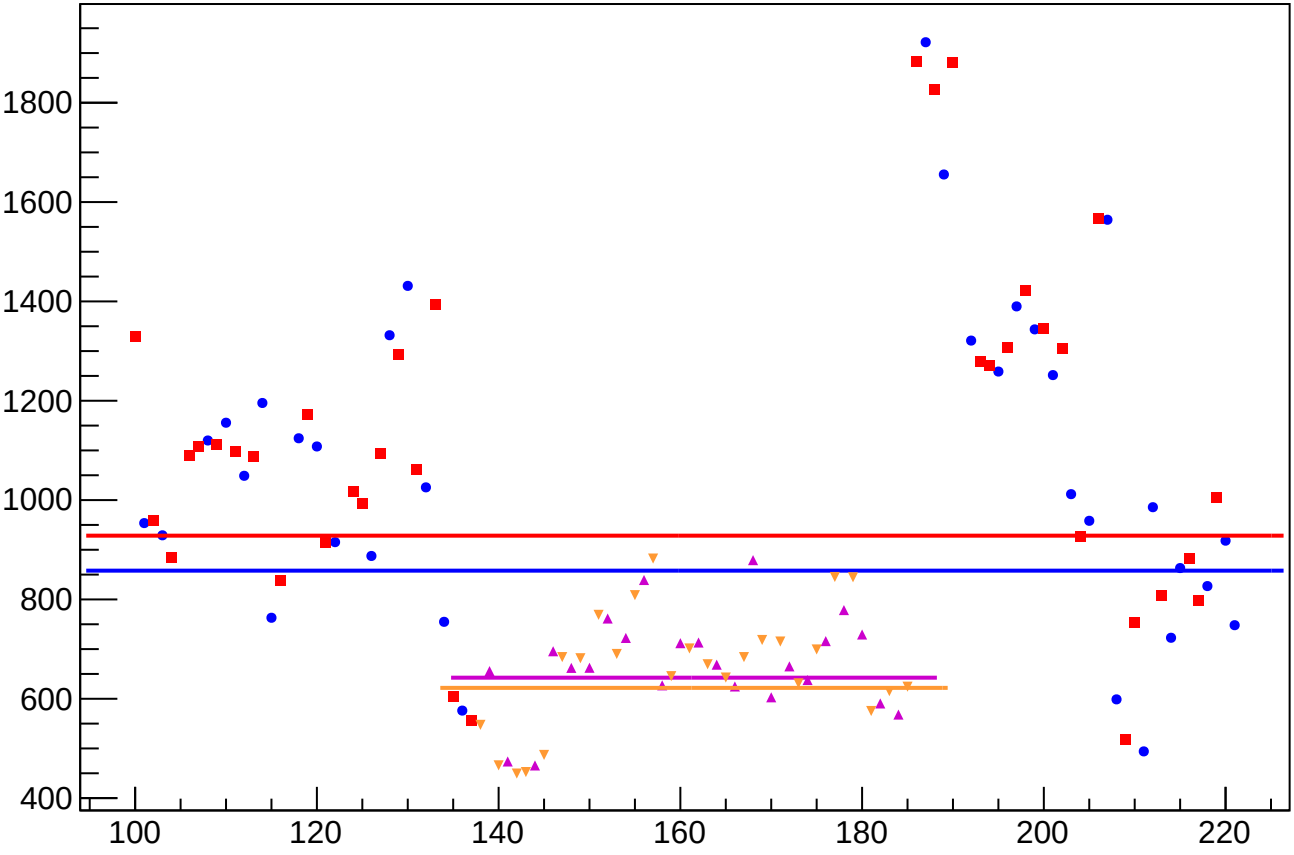
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 720.219+/-115.870 χ^2/NDF: 110.3/58

All: 640.465+/-84.700 χ^2/NDF: 236.3/117

- sign 548.946+/-124.123 χ^2/NDF: 125.0/58

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 857.942+/-0.137 χ^2/NDF: 4095072.4/33

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

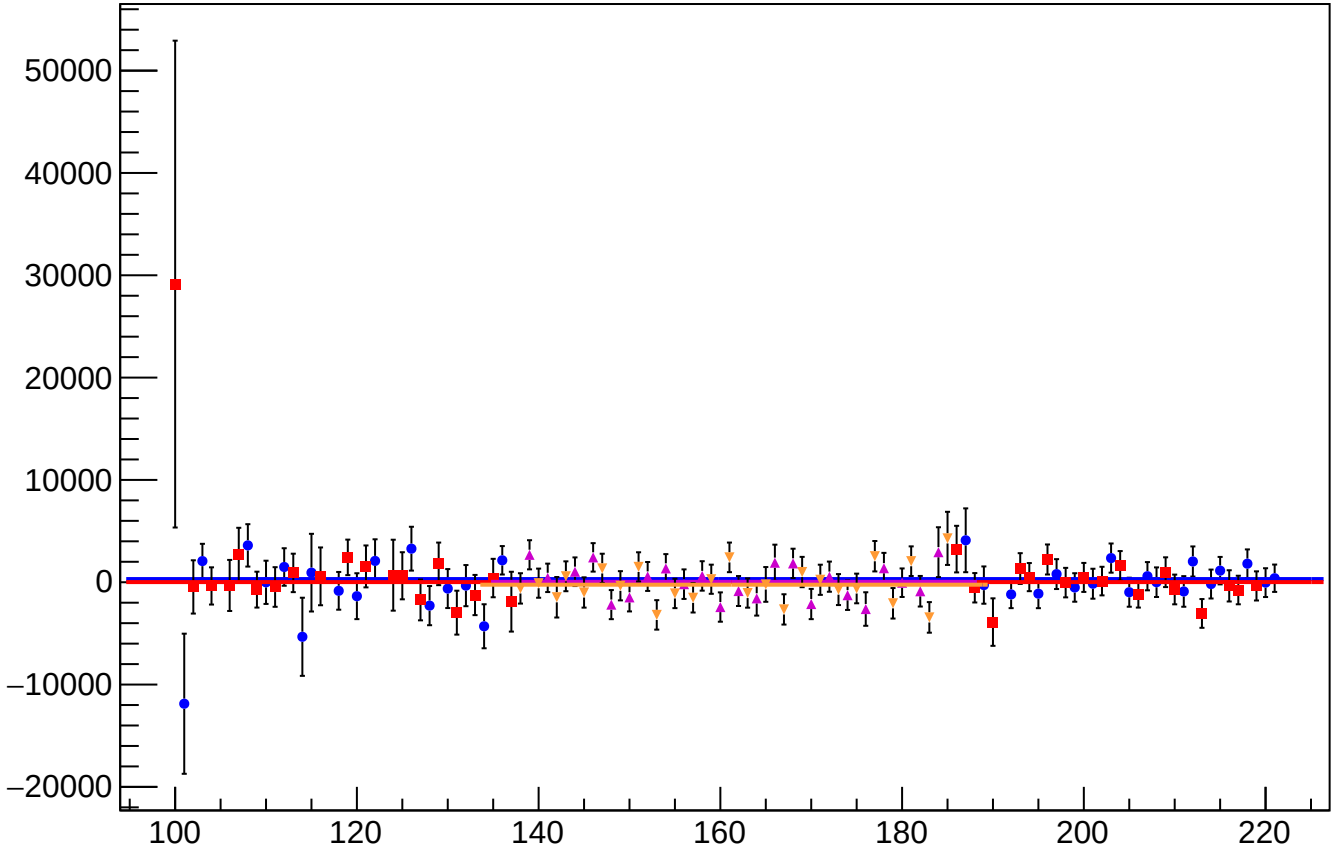
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 706.330+/-0.082 χ^2/NDF: 7384174.1/58

All: 721.335+/-0.060 χ^2/NDF: 14917384.8/11

- sign 738.553+/-0.088 χ^2/NDF: 7461188.6/58

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 311.179+/-286.647 χ^2/NDF: 32.6/33

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 14.620+/-292.162 χ^2/NDF: 26.2/35

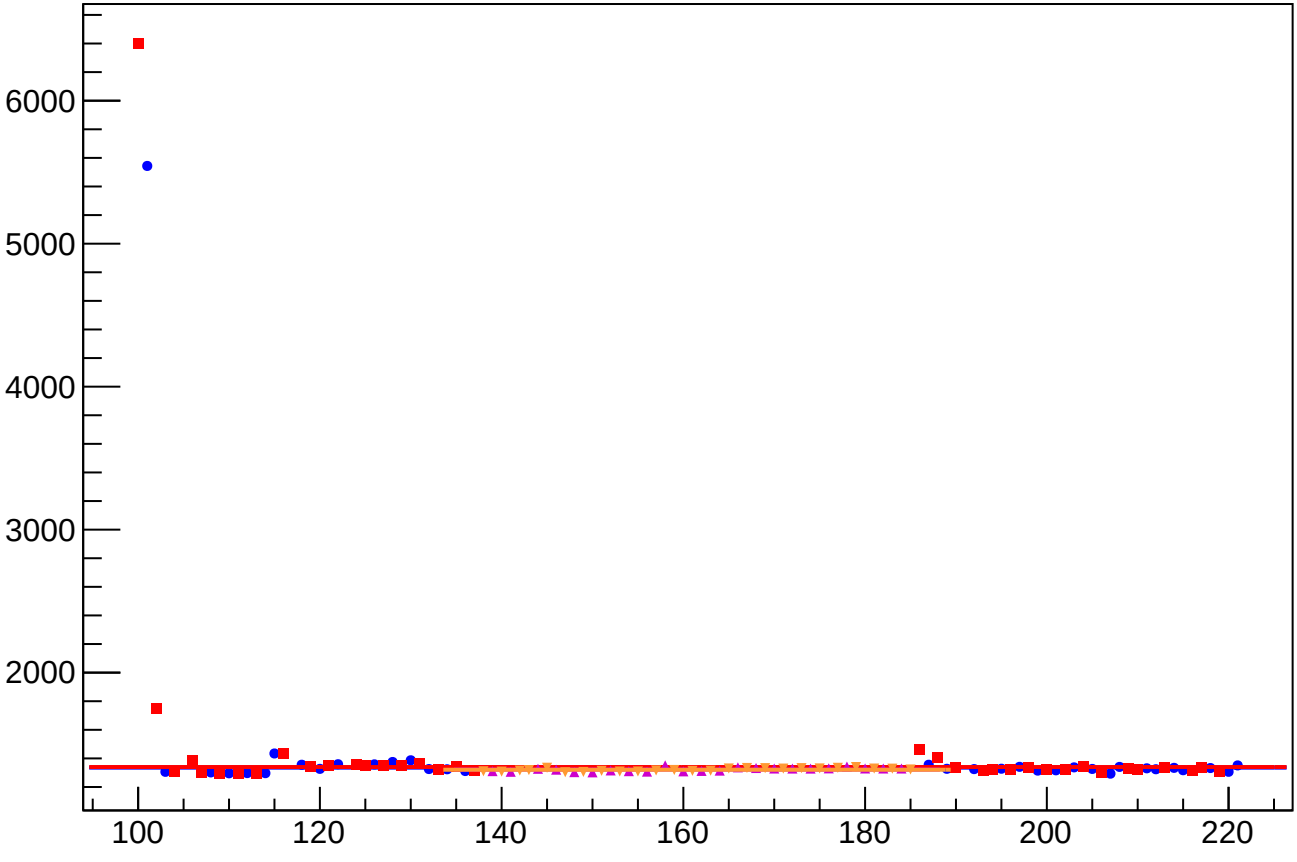
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 47.718+/-207.252 χ^2/NDF: 66.1/58

All: 37.228+/-148.258 χ^2/NDF: 119.5/117

- sign 26.234+/-212.170 χ^2/NDF: 53.4/58

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1335.691+/-0.203 χ^2/NDF: 768221.1/33

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

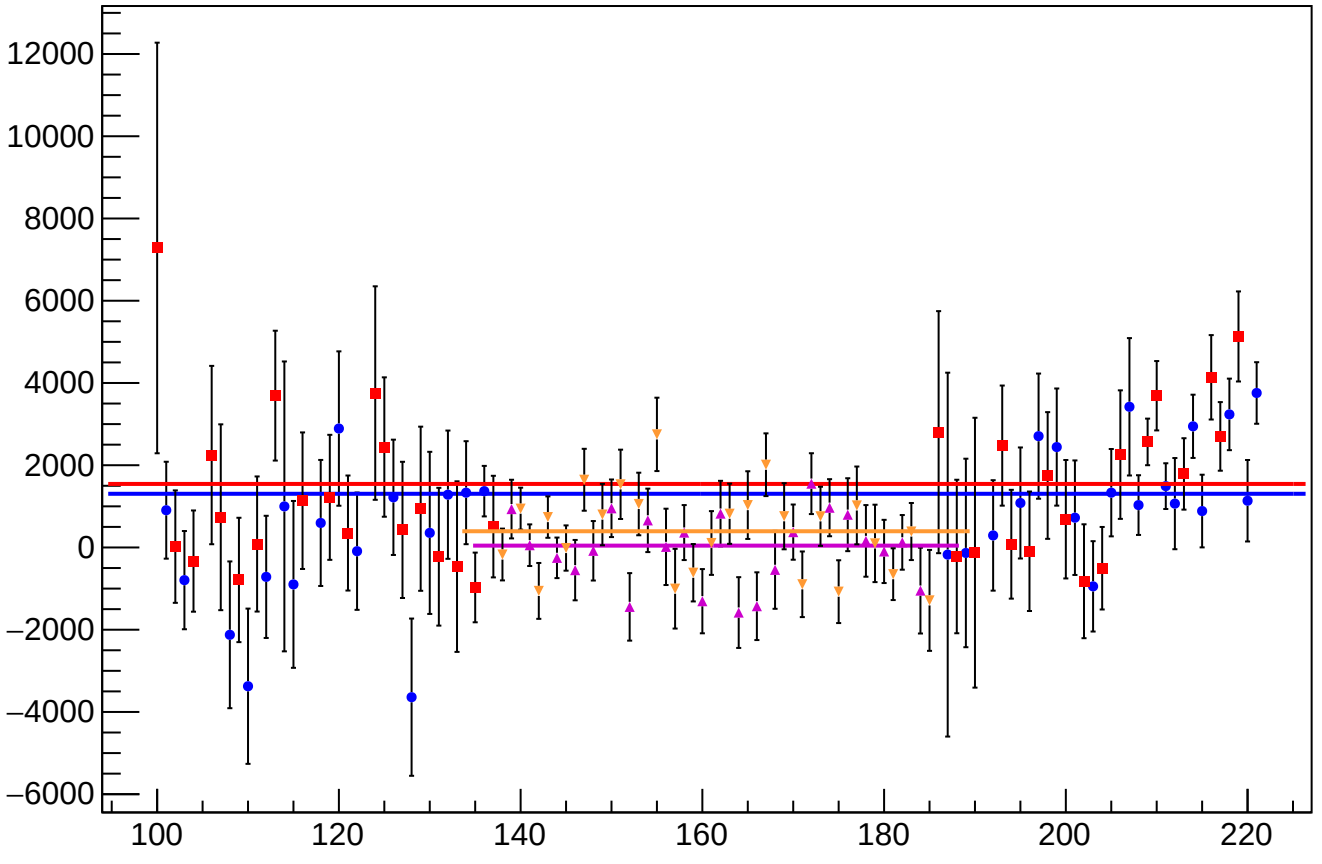
Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.556+/-0.147 χ^2/NDF: 773419.9/58

All: 1329.845+/-0.105 χ^2/NDF: 944732.3/117

- sign 1331.197+/-0.150 χ^2/NDF: 171153.9/58



Right In: 1305.420+/-193.776 χ^2/NDF: 54.2/33

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

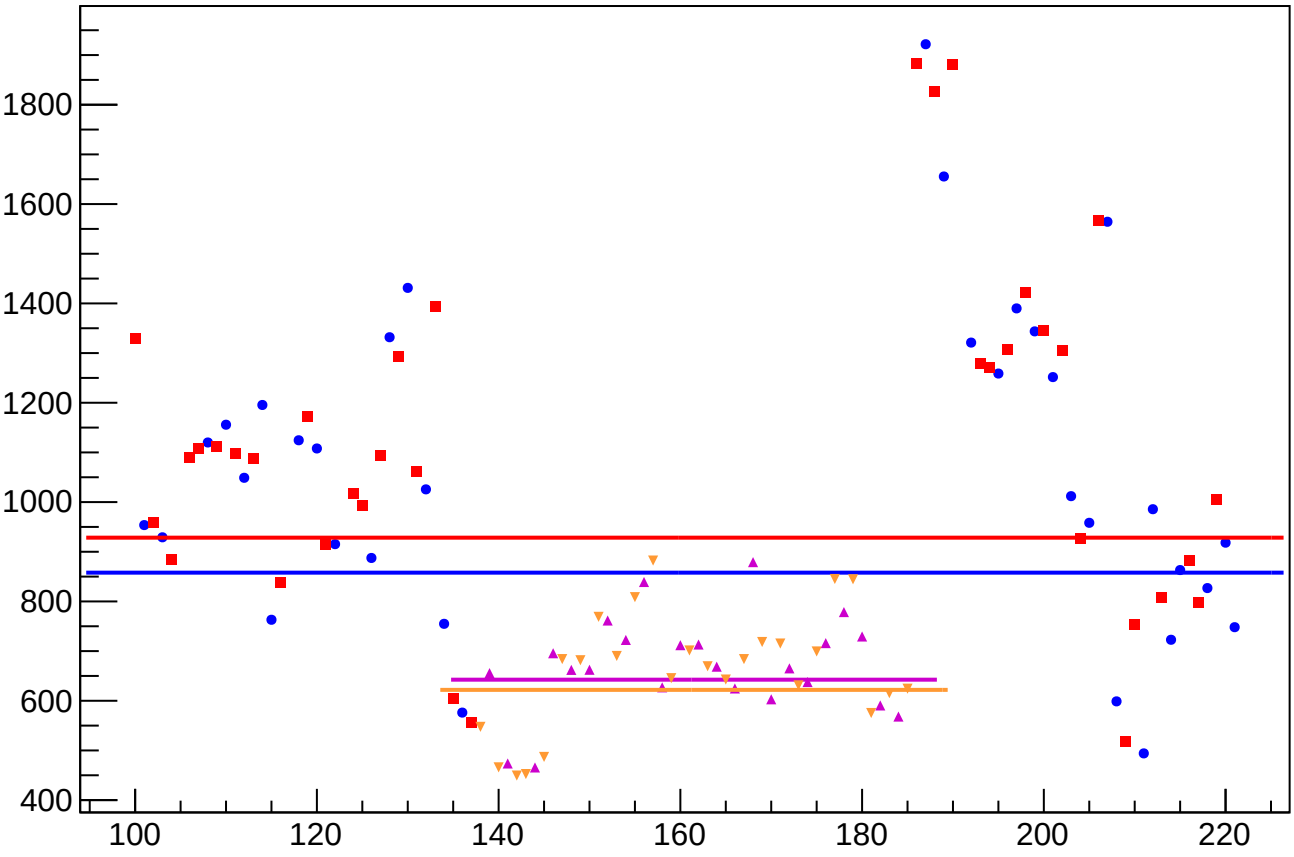
Right Out: 1545.011+/-214.112 χ^2/NDF: 64.9/35

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 720.219+/-115.870 χ^2/NDF: 110.3/58

All: 640.465+/-84.700 χ^2/NDF: 236.3/117

- sign 548.946+/-124.123 χ^2/NDF: 125.0/58



Right In: 857.942+/-0.137 χ^2/NDF: 4095072.4/33

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

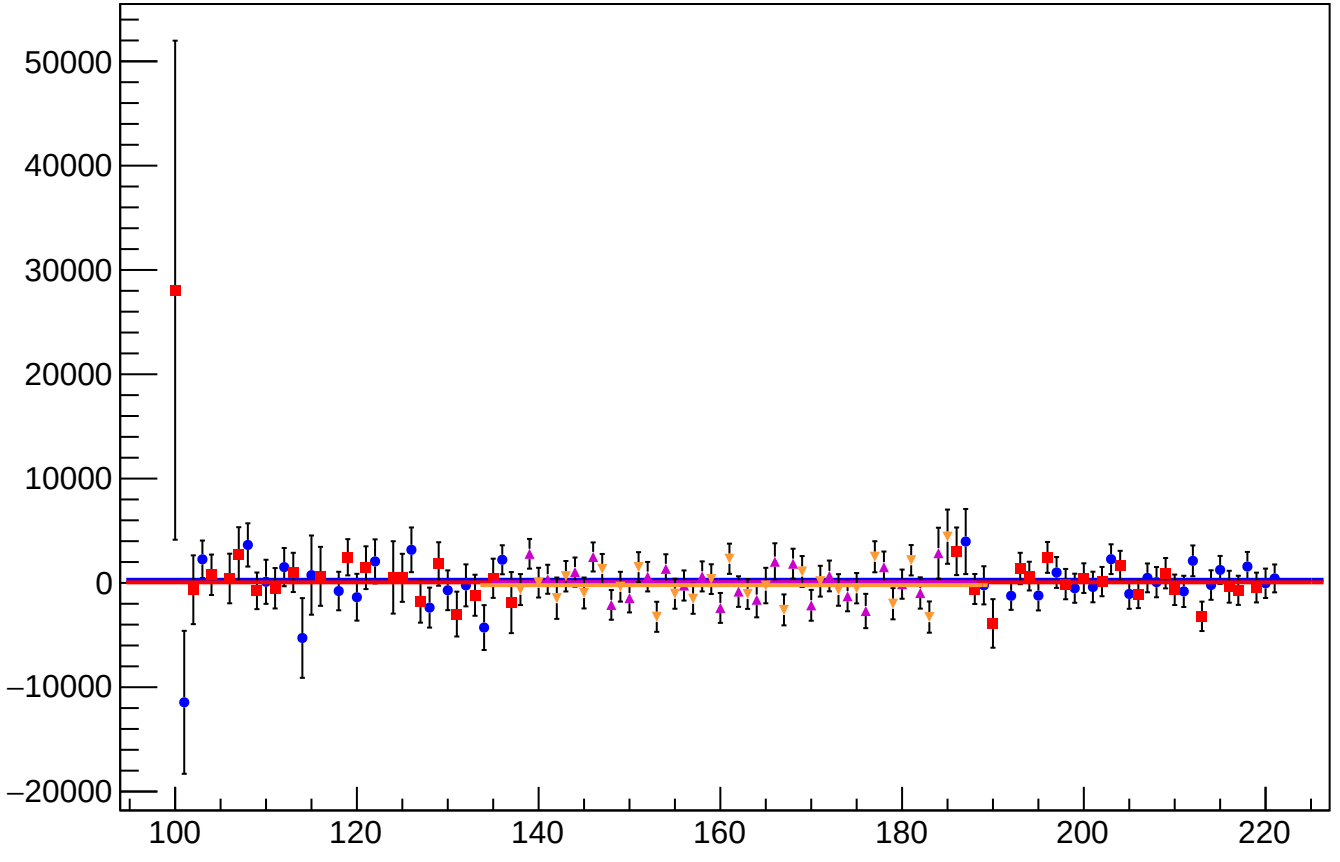
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 706.330+/-0.082 χ^2/NDF: 7384174.1/58

All: 721.335+/-0.060 χ^2/NDF: 14917384.8/11

- sign 738.553+/-0.088 χ^2/NDF: 7461188.6/58

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 297.385+/-287.713 χ^2/NDF: 32.5/33

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 54.270+/-293.833 χ^2/NDF: 27.0/35

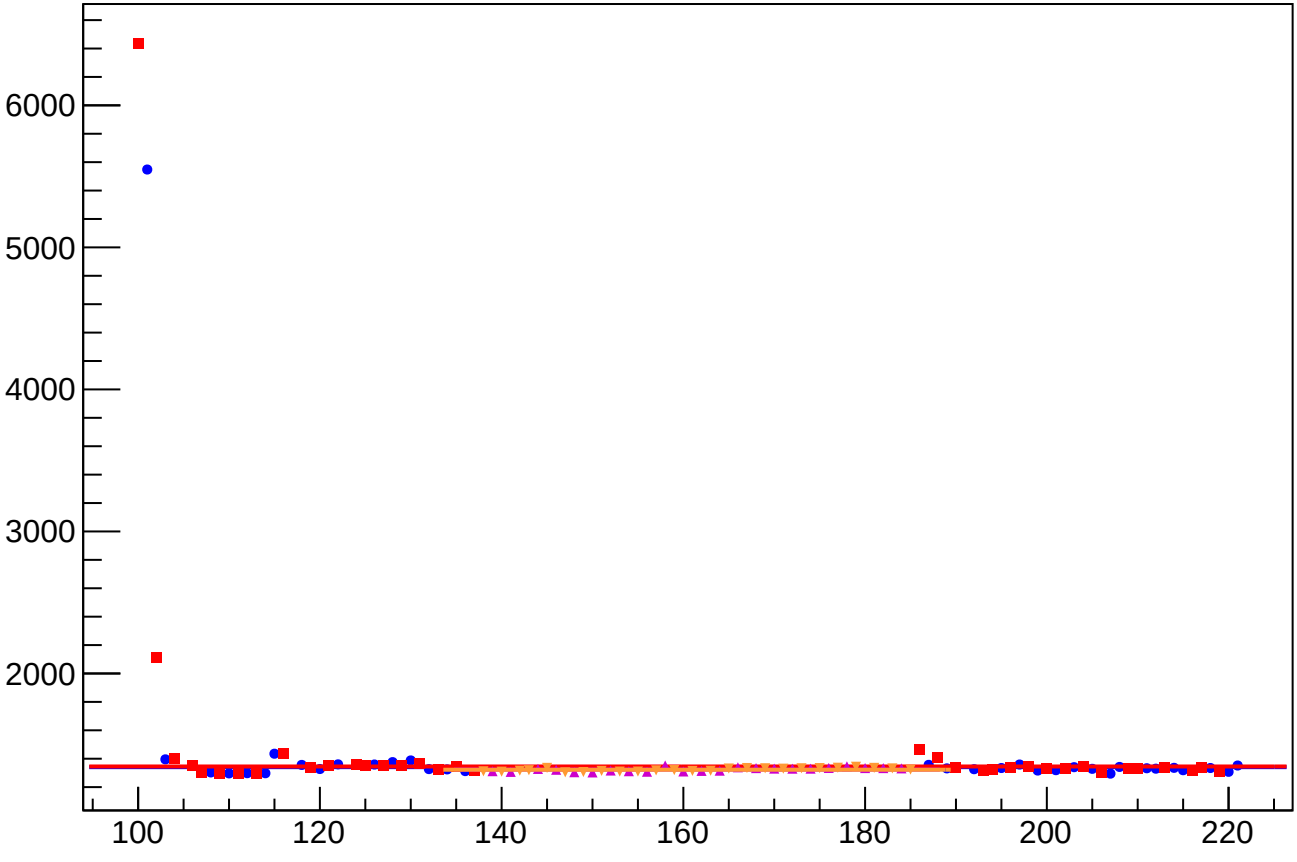
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 52.207+/-207.777 χ^2/NDF: 65.3/58

All: 52.281+/-148.708 χ^2/NDF: 120.1/117

- sign 52.358+/-212.927 χ^2/NDF: 54.8/58

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1340.623+/-0.203 χ^2/NDF: 769404.0/33

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.4/35

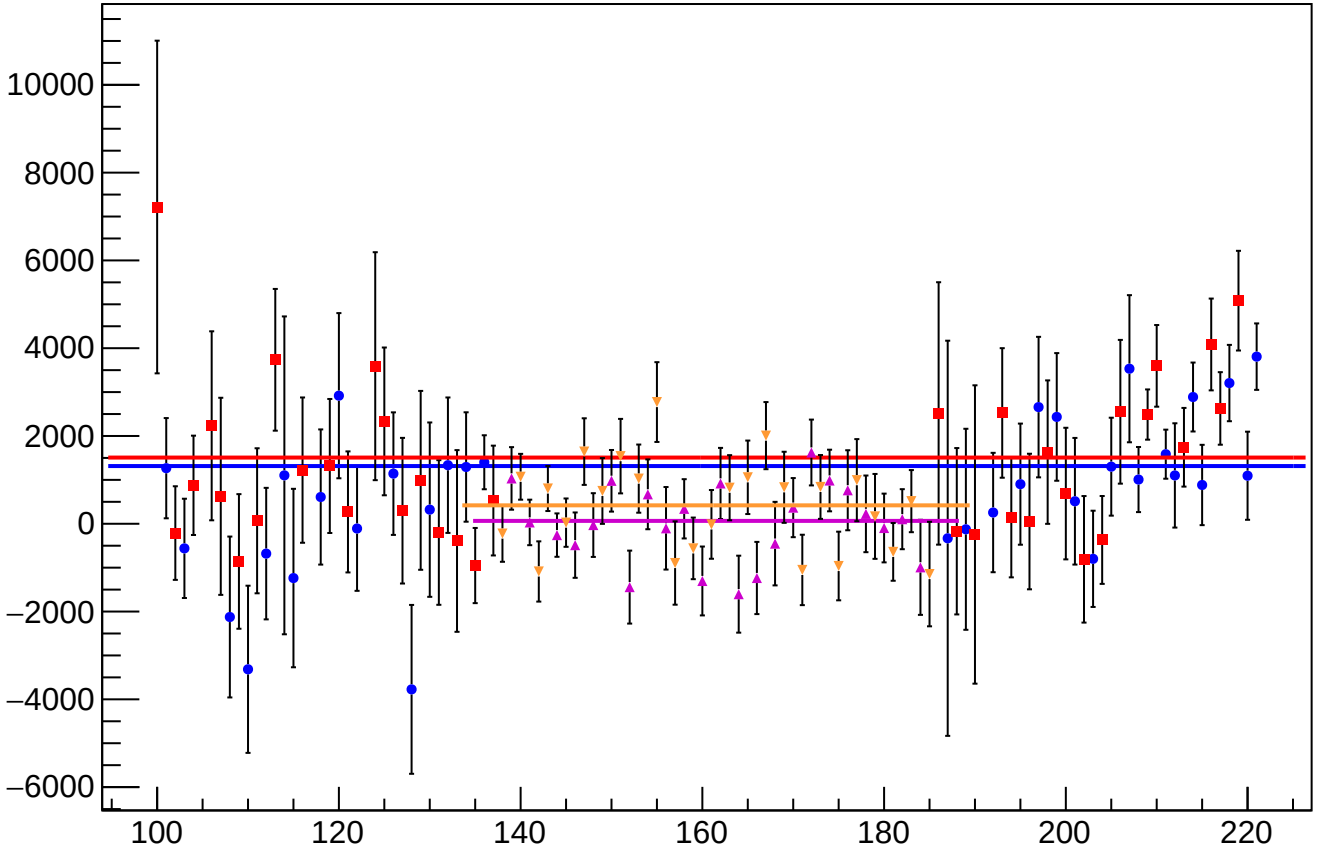
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.889+/-0.147 χ^2/NDF: 776187.8/58

All: 1333.343+/-0.105 χ^2/NDF: 1008141.1/11

- sign 1334.871+/-0.151 χ^2/NDF: 231752.3/58

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 1314.782+/-195.837 χ^2/NDF: 53.4/33

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1508.318+/-215.567 χ^2/NDF: 59.8/35

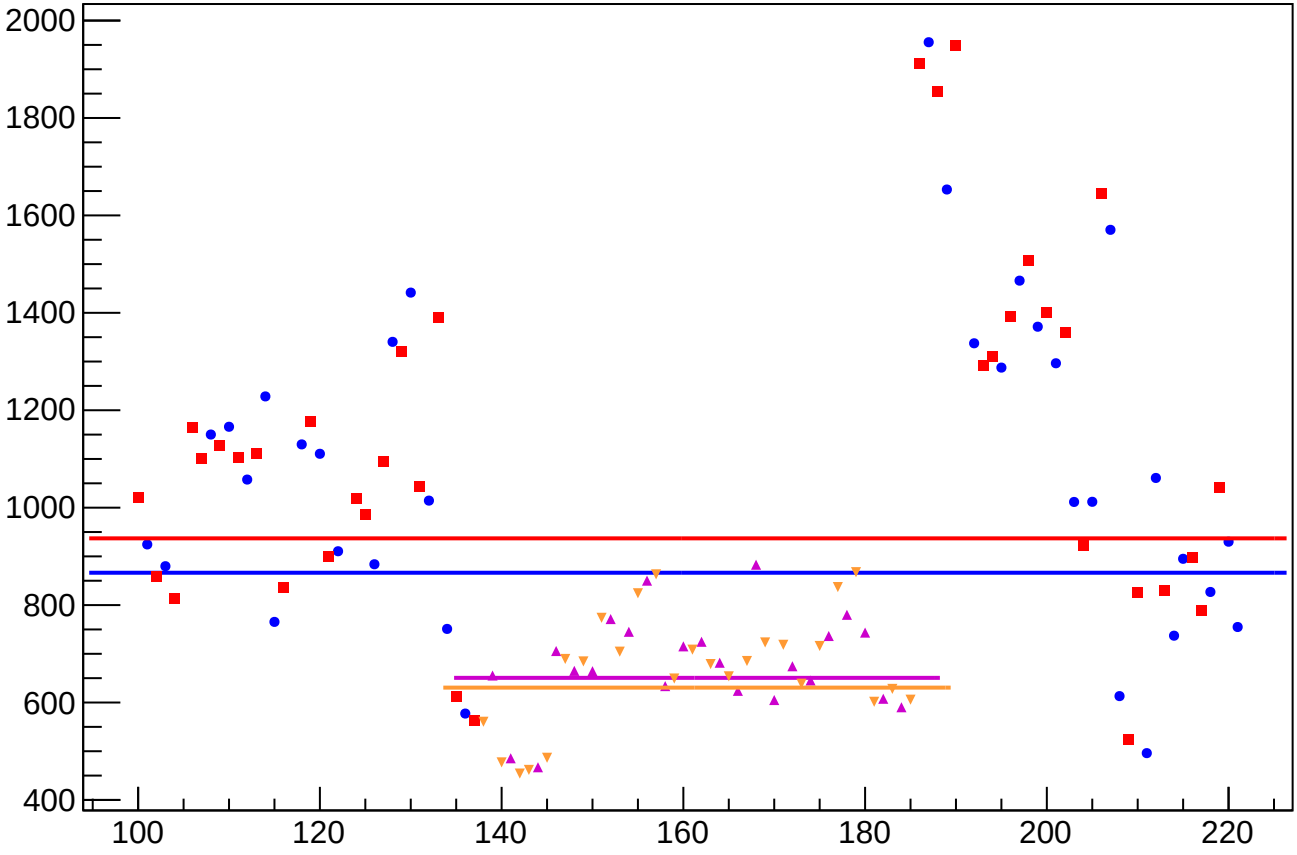
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 740.816+/-117.275 χ^2/NDF: 108.3/58

All: 653.638+/-85.664 χ^2/NDF: 226.0/117

- sign 553.916+/-125.429 χ^2/NDF: 116.5/58

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 866.424+/-0.138 χ^2/NDF: 4198759.6/33

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 937.009+/-0.152 χ^2/NDF: 4331499.7/35

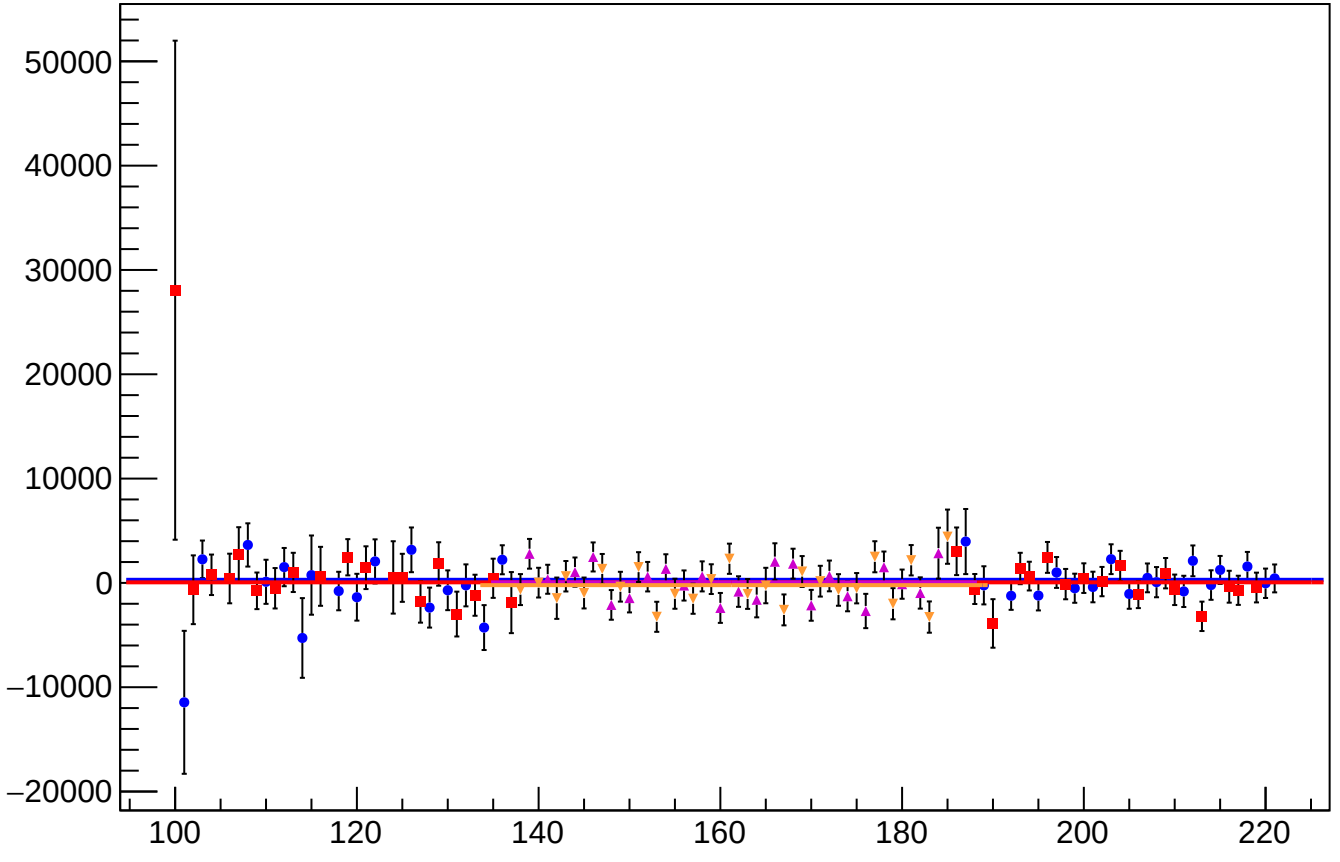
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 715.164+/-0.083 χ^2/NDF: 7387582.6/58

All: 730.289+/-0.061 χ^2/NDF: 15047121.7/11

- sign 747.591+/-0.089 χ^2/NDF: 7588219.7/58

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 297.384+/-287.713 χ^2/NDF: 32.5/33

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 54.265+/-293.833 χ^2/NDF: 27.0/35

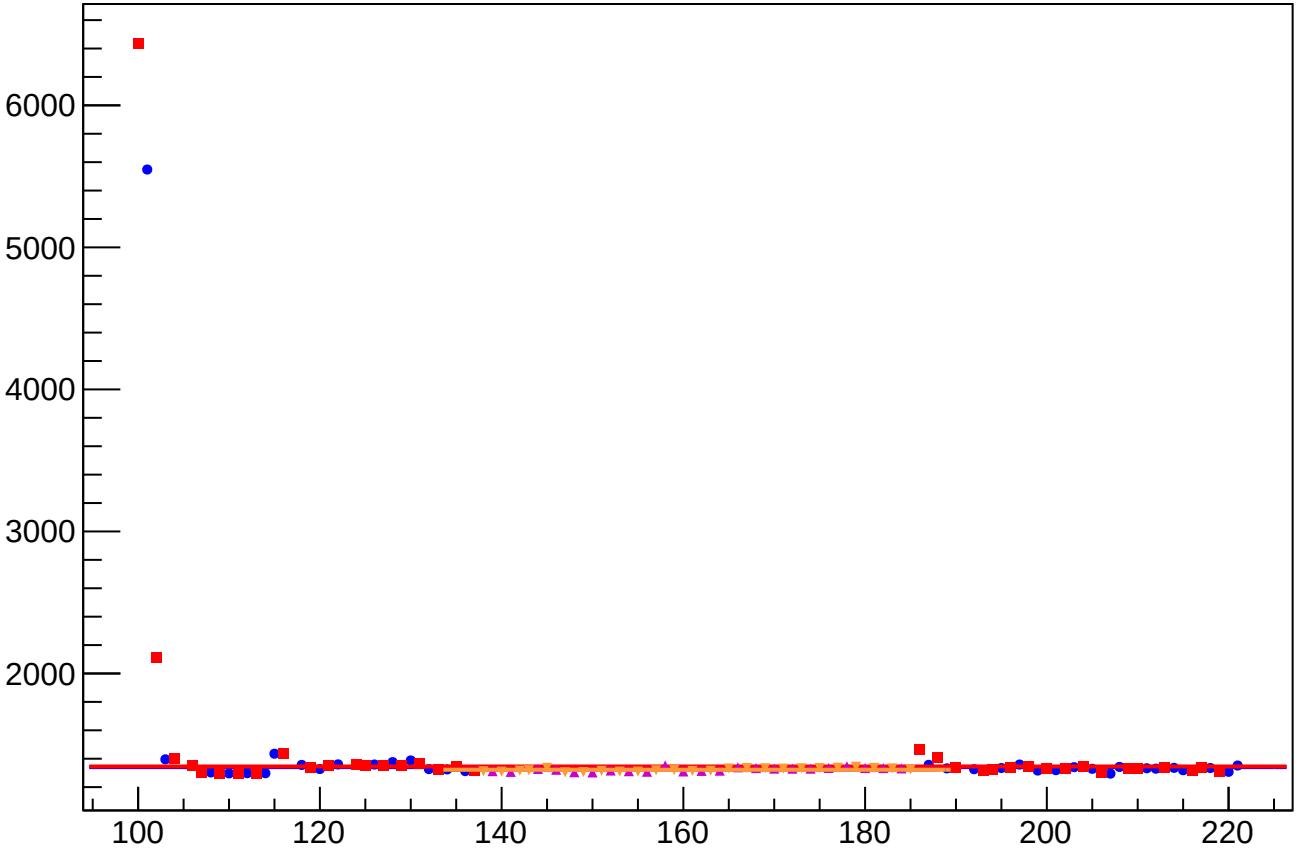
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 52.205+/-207.777 χ^2/NDF: 65.3/58

All: 52.279+/-148.708 χ^2/NDF: 120.1/117

- sign 52.356+/-212.927 χ^2/NDF: 54.8/58

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1340.623+/-0.203 χ^2/NDF: 769403.9/33

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

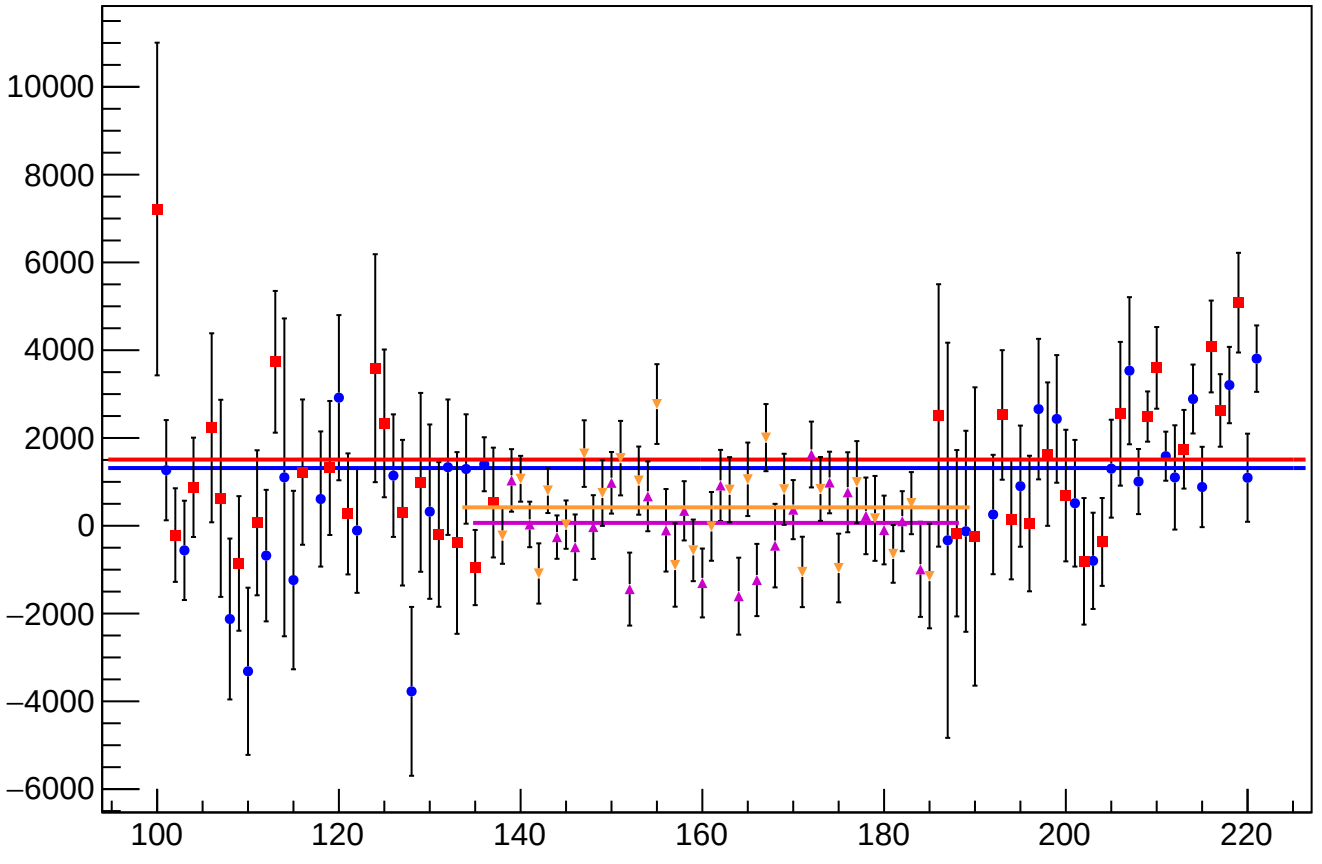
Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.3/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.889+/-0.147 χ^2/NDF: 776187.8/58

All: 1333.343+/-0.105 χ^2/NDF: 1008140.9/11

- sign 1334.871+/-0.151 χ^2/NDF: 231752.2/58



Right In: 1314.779+/-195.836 χ^2/NDF: 53.4/33

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1508.317+/-215.566 χ^2/NDF: 59.8/35

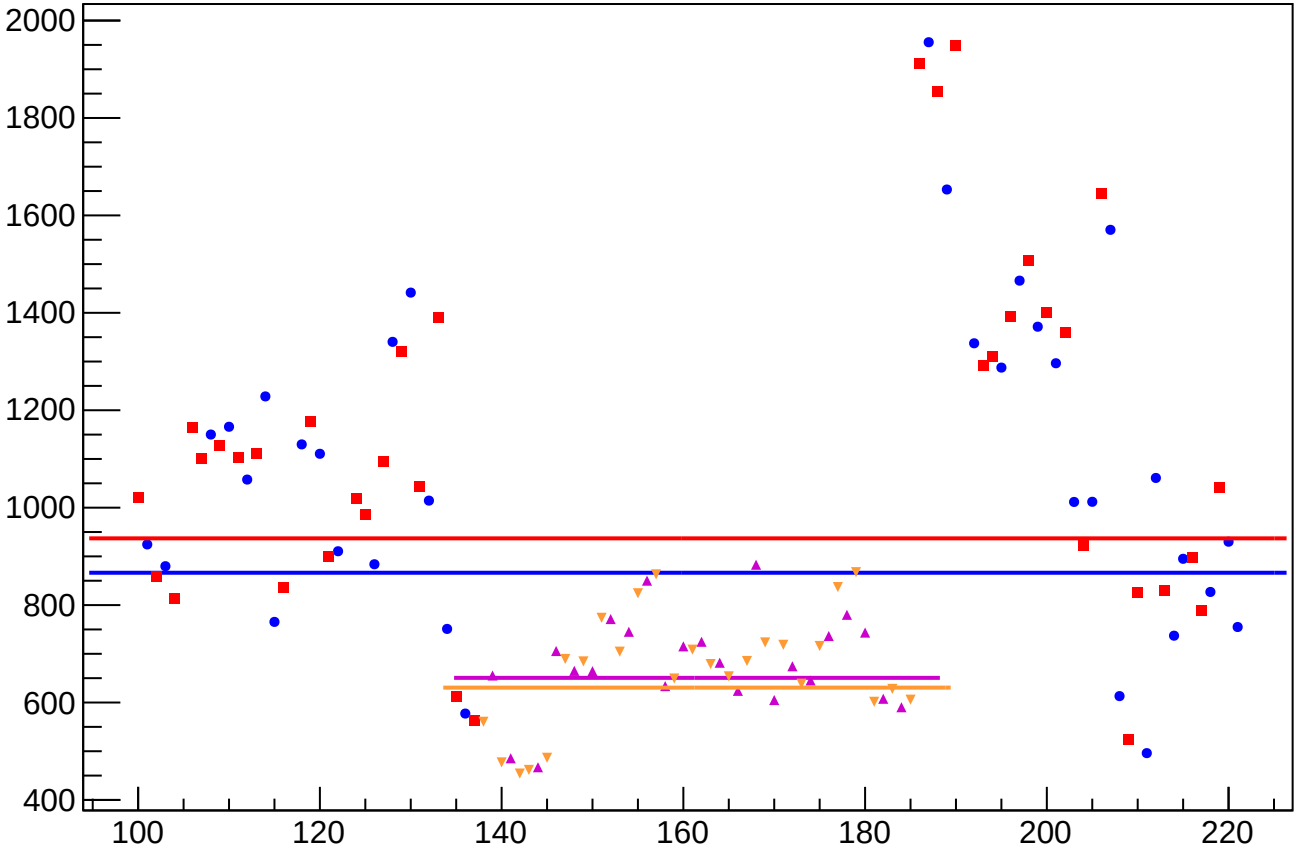
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 740.816+/-117.276 χ^2/NDF: 108.3/58

All: 653.639+/-85.664 χ^2/NDF: 226.0/117

- sign 553.918+/-125.429 χ^2/NDF: 116.5/58

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 866.423+/-0.138 χ^2/NDF: 4198755.5/33

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 937.007+/-0.152 χ^2/NDF: 4331524.7/35

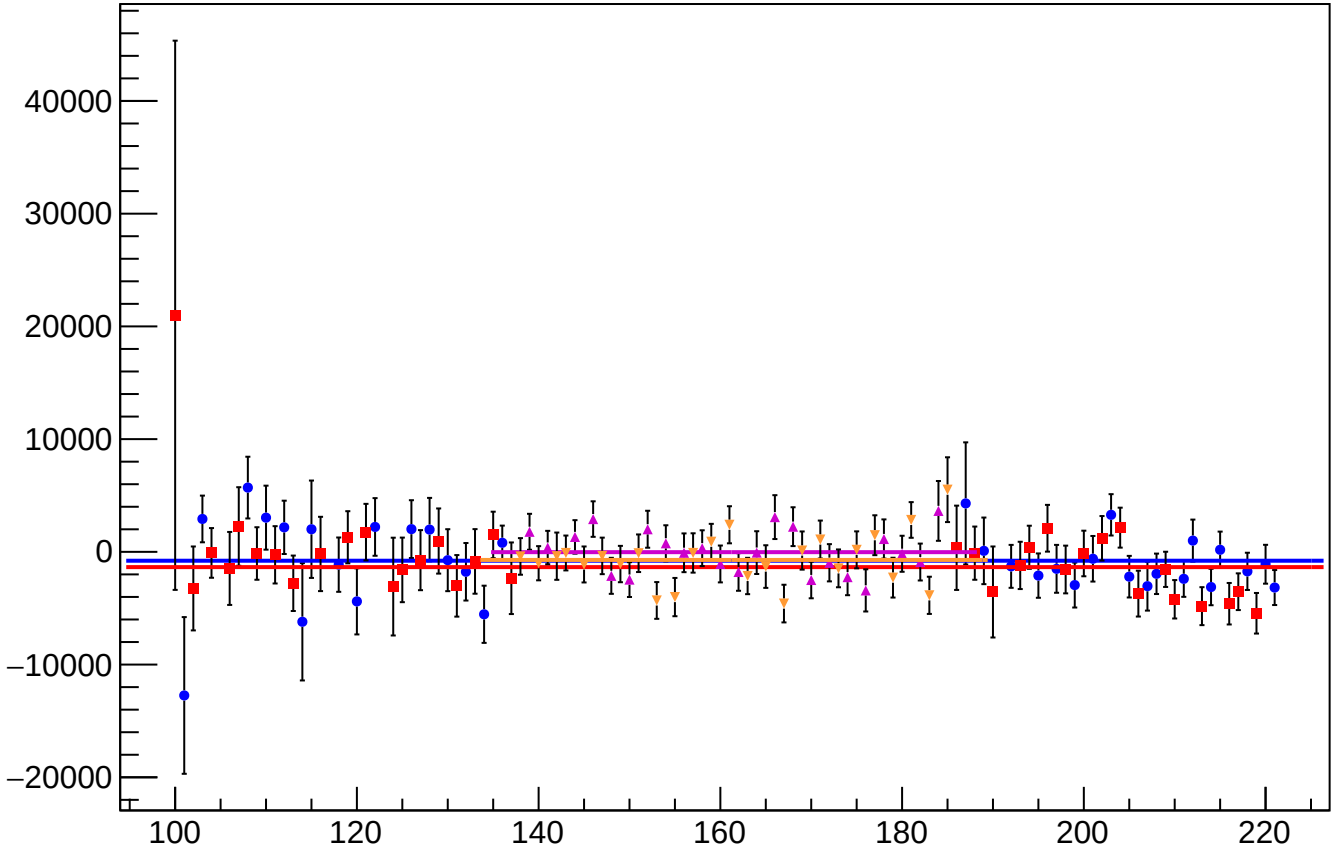
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 715.165+/-0.083 χ^2/NDF: 7387574.5/58

All: 730.290+/-0.061 χ^2/NDF: 15047097.1/11

- sign 747.591+/-0.089 χ^2/NDF: 7588202.3/58

asym_usr_atr1_dd_mean vs Slug



Right In: -786.966+/-366.271 χ^2/NDF: 43.4/33

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -1354.211+/-382.251 χ^2/NDF: 38.3/35

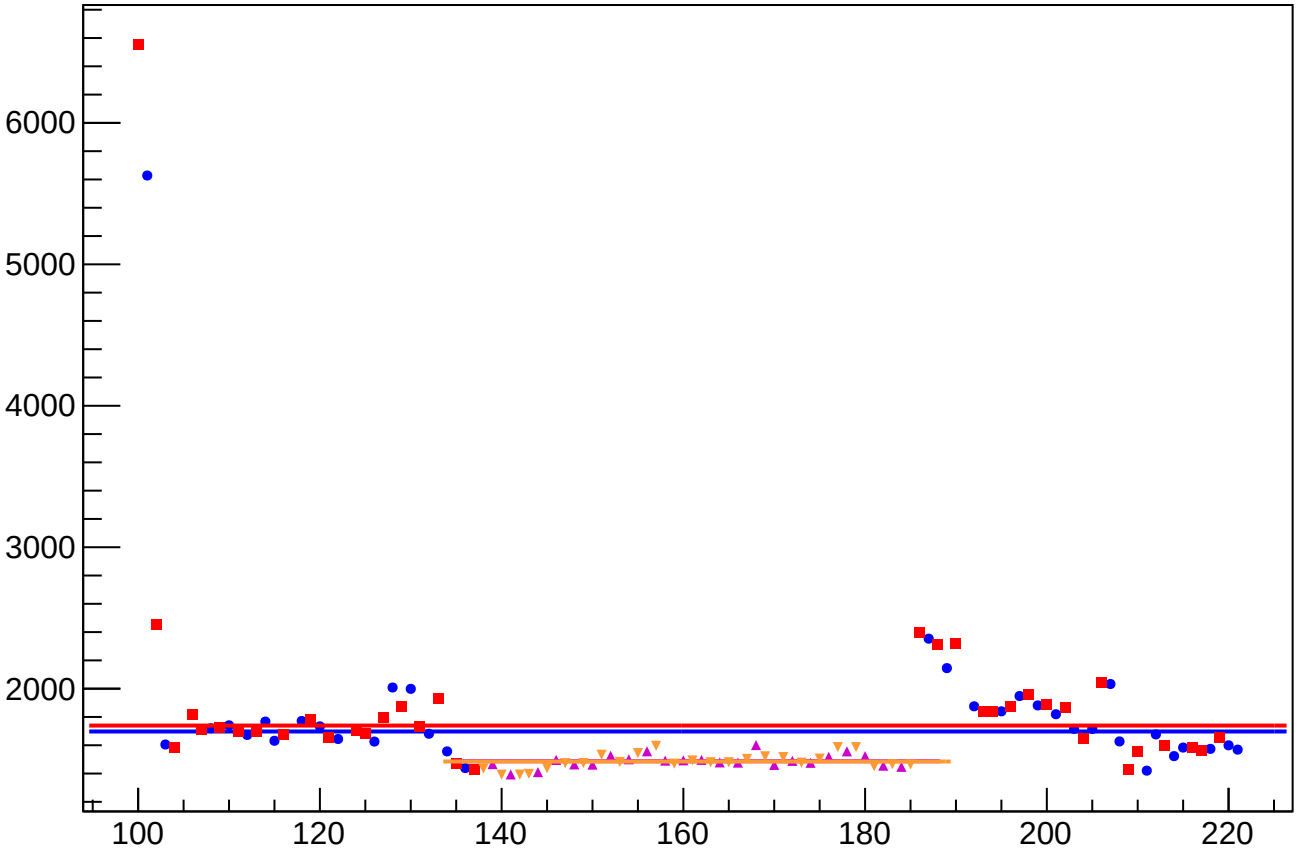
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -749.834+/-248.228 χ^2/NDF: 81.1/58

All: -690.893+/-178.576 χ^2/NDF: 154.2/117

- sign -627.667+/-257.095 χ^2/NDF: 72.9/58

asym_usr_atr1_dd_rms vs Slug



Right In: 1697.360+/-0.259 χ^2/NDF: 1093788.7/33

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

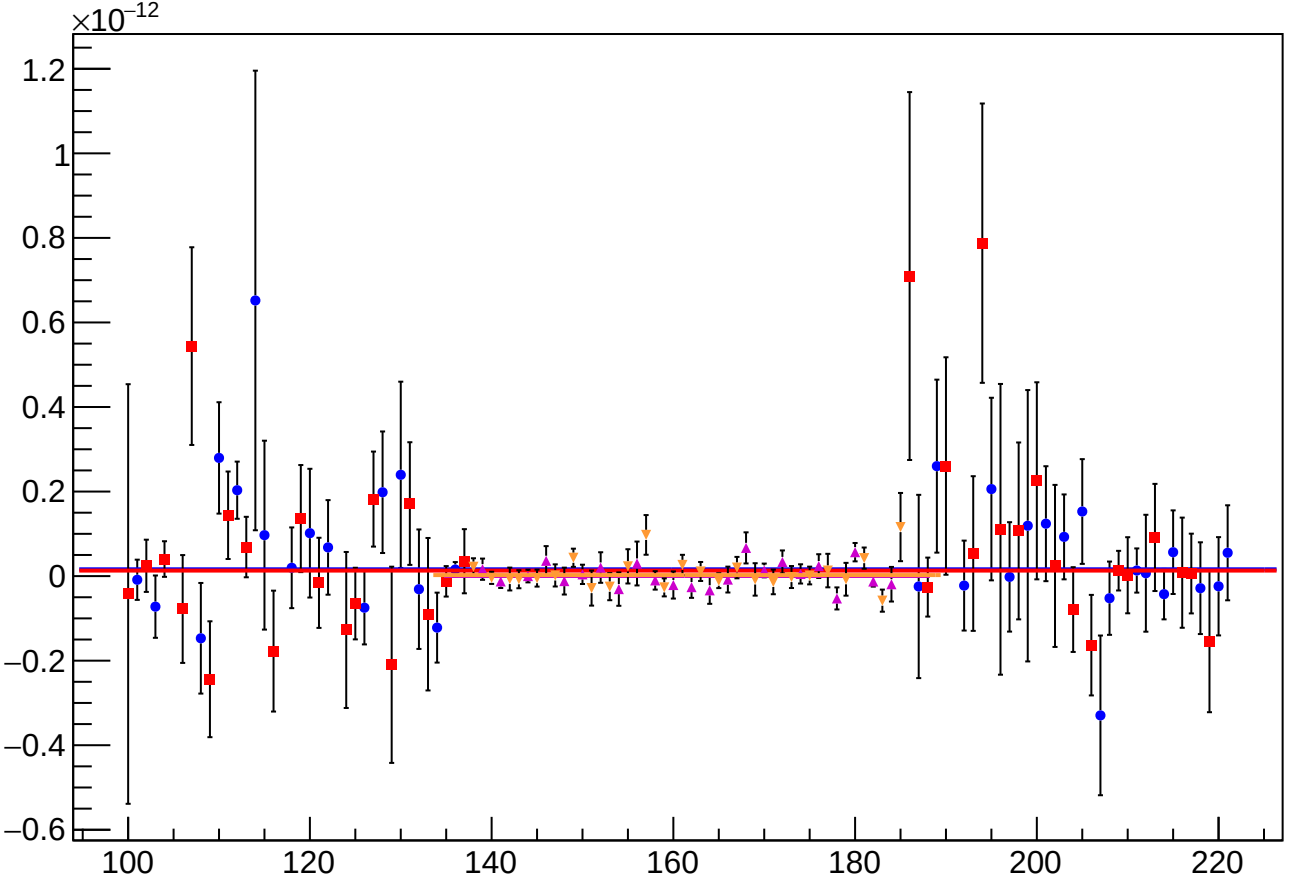
Right Out: 1739.250+/-0.270 χ^2/NDF: 725126.9/35

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.516+/-0.176 χ^2/NDF: 1508347.0/58

All: 1591.516+/-0.126 χ^2/NDF: 2750279.8/11

- sign 1601.171+/-0.182 χ^2/NDF: 1236482.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 34.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/35

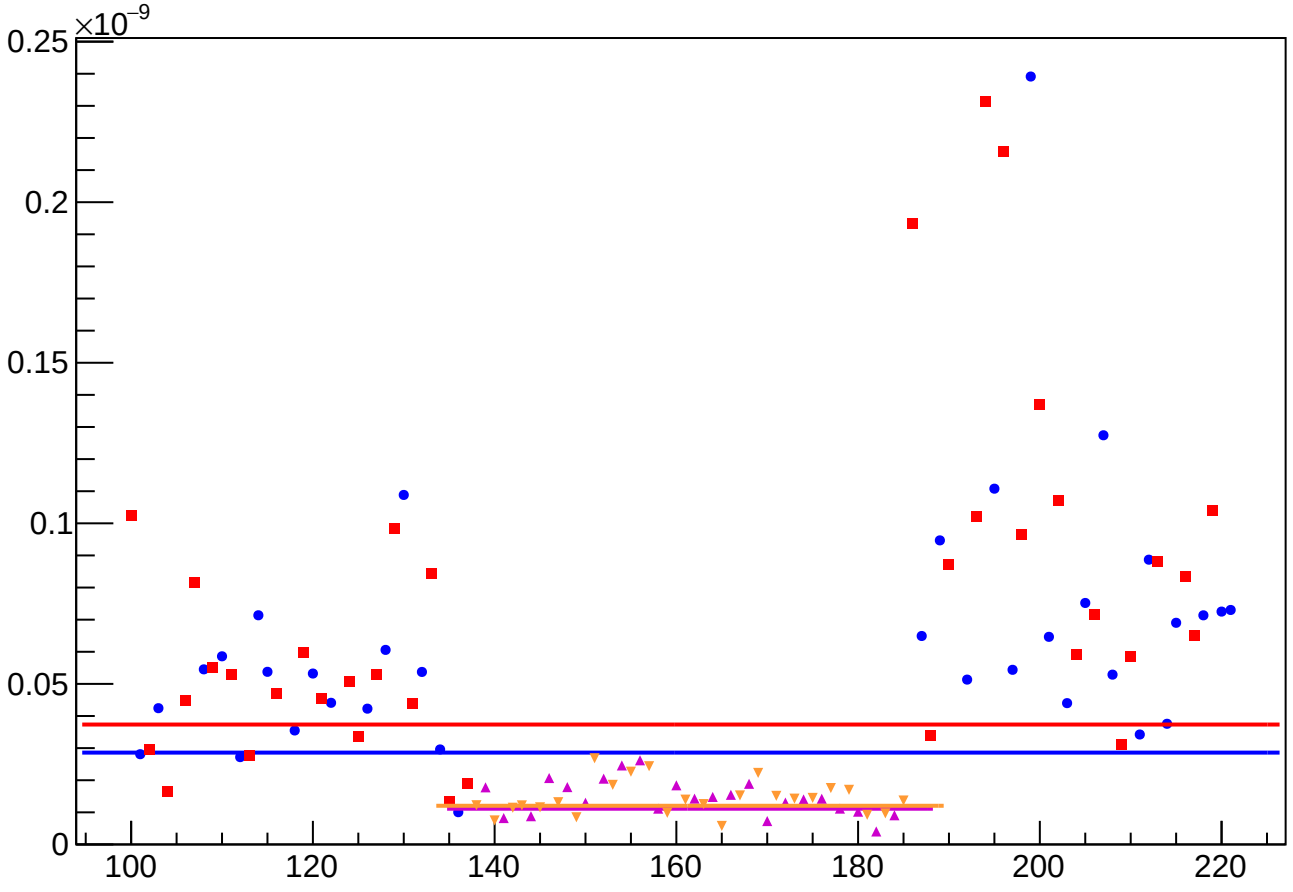
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/58

All: 0.000+/-0.000 χ^2/NDF: 122.5/117

- sign 0.000+/-0.000 χ^2/NDF: 61.8/58

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7541561.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

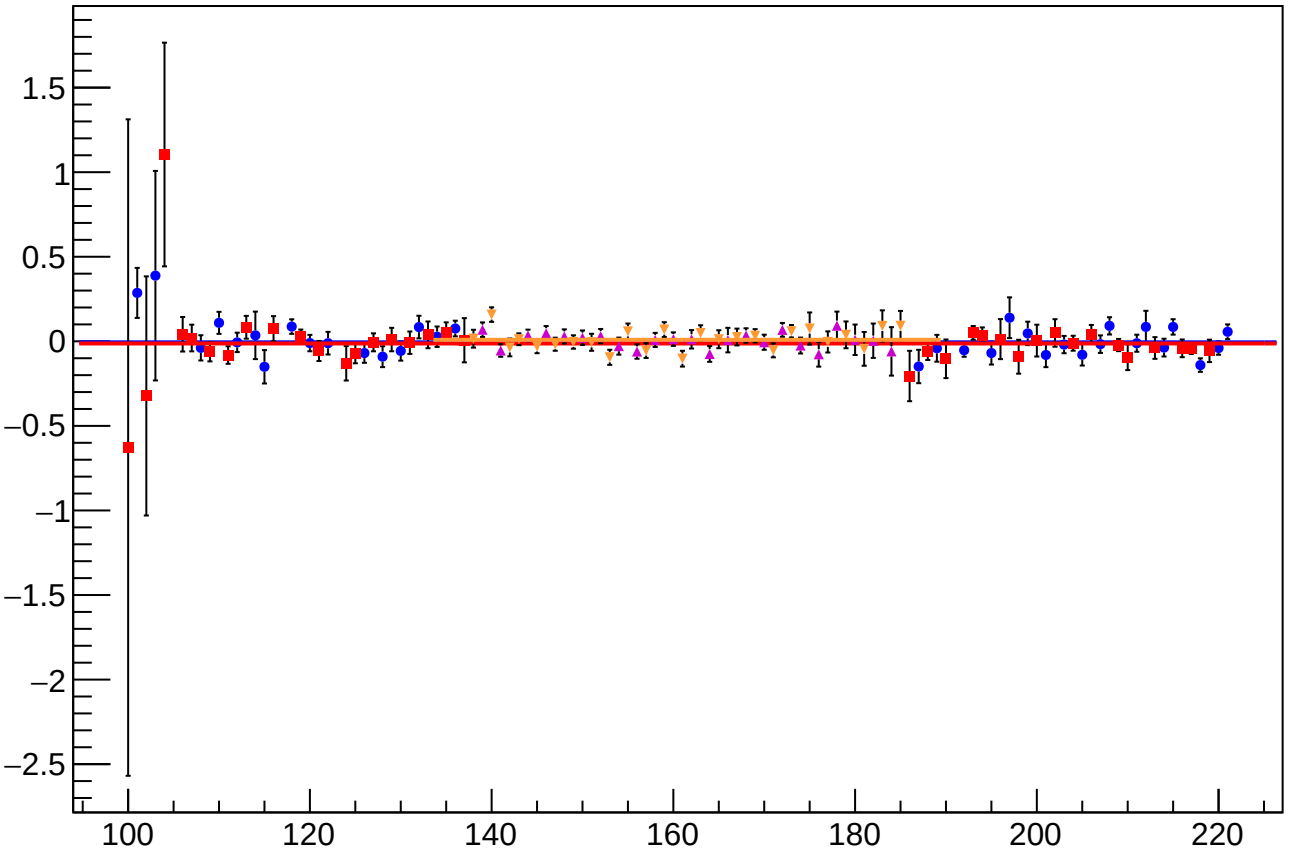
Right Out: 0.000+/-0.000 χ^2/NDF: 6255143.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12126221.1/58

All: 0.000+/-0.000 χ^2/NDF: 25766578.9/117

- sign 0.000+/-0.000 χ^2/NDF: 13602639.1/58



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

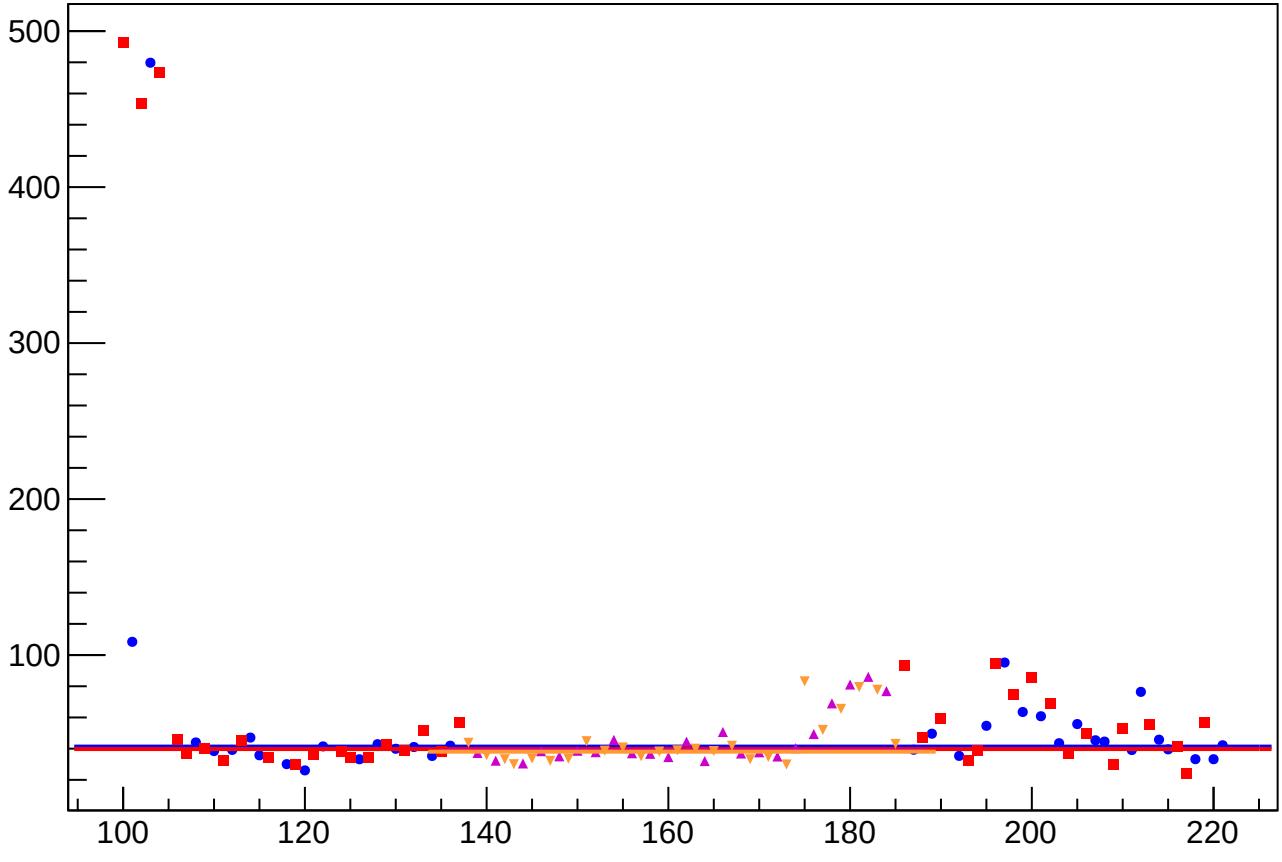
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: -0.000+/-0.005 χ^2/NDF: 143.4/117

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.320+/-0.007 χ^2/NDF: 3310359.8/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

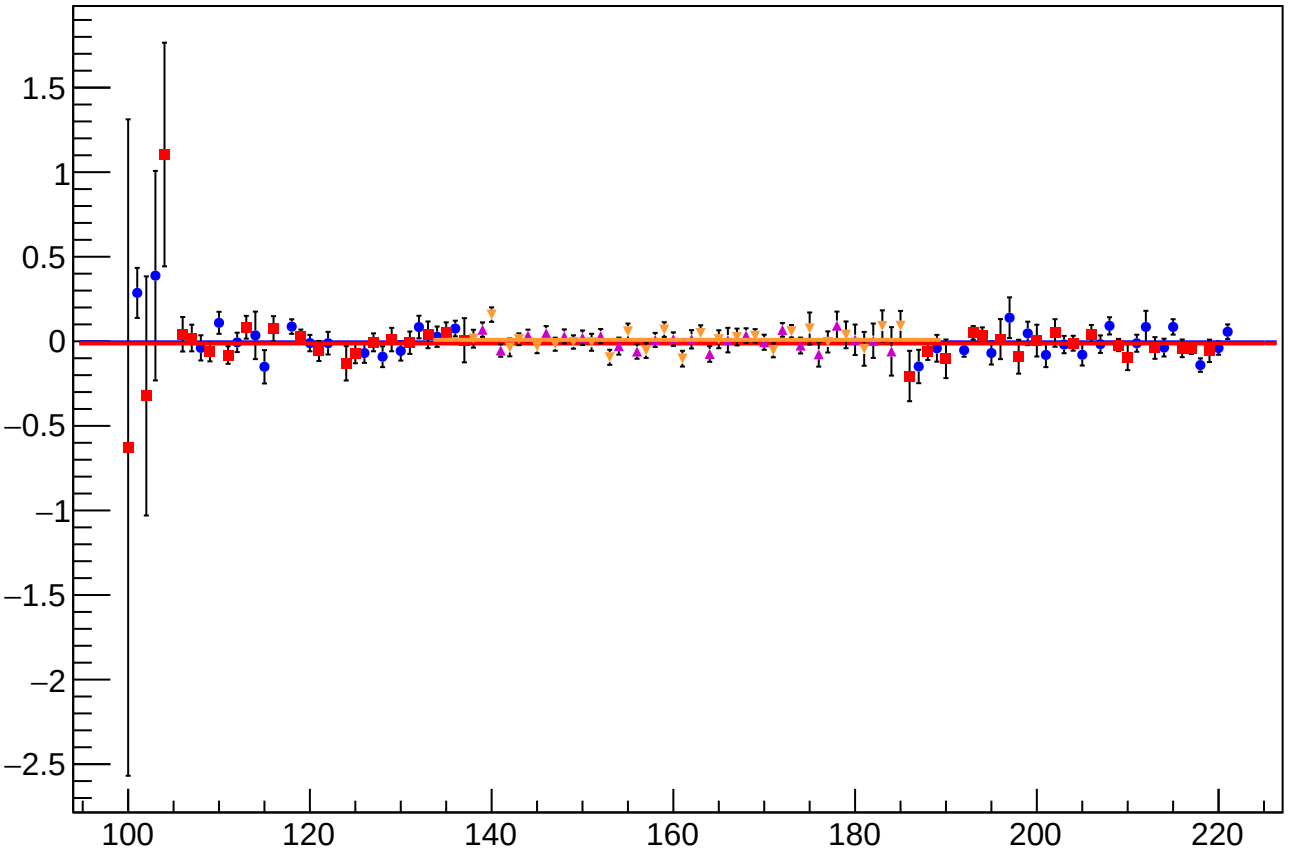
Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.628+/-0.005 χ^2/NDF: 5388325.9/58

All: 39.406+/-0.004 χ^2/NDF: 11983269.5/117

- sign 39.169+/-0.005 χ^2/NDF: 6590675.7/58



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

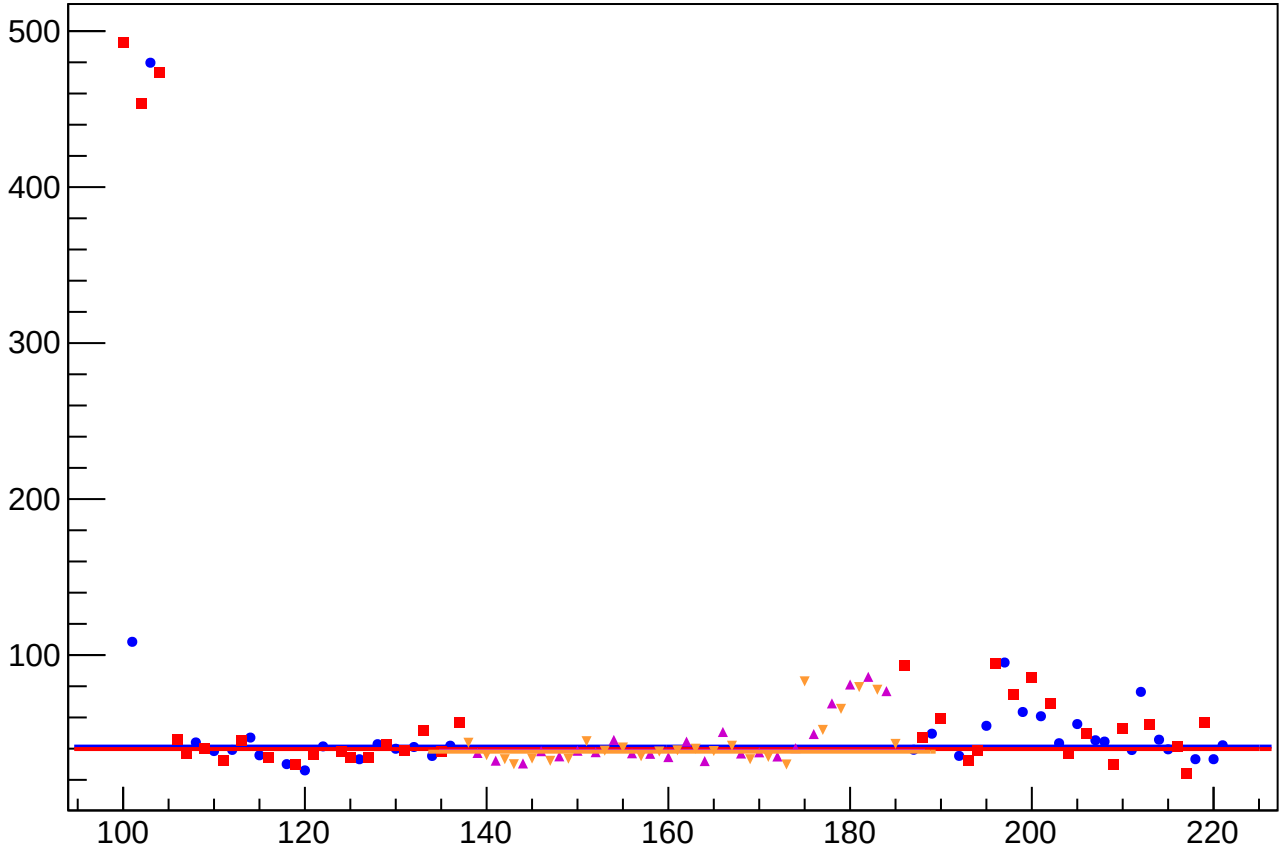
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: -0.000+/-0.005 χ^2/NDF: 143.4/117

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.320+/-0.007 χ^2/NDF: 3310359.8/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

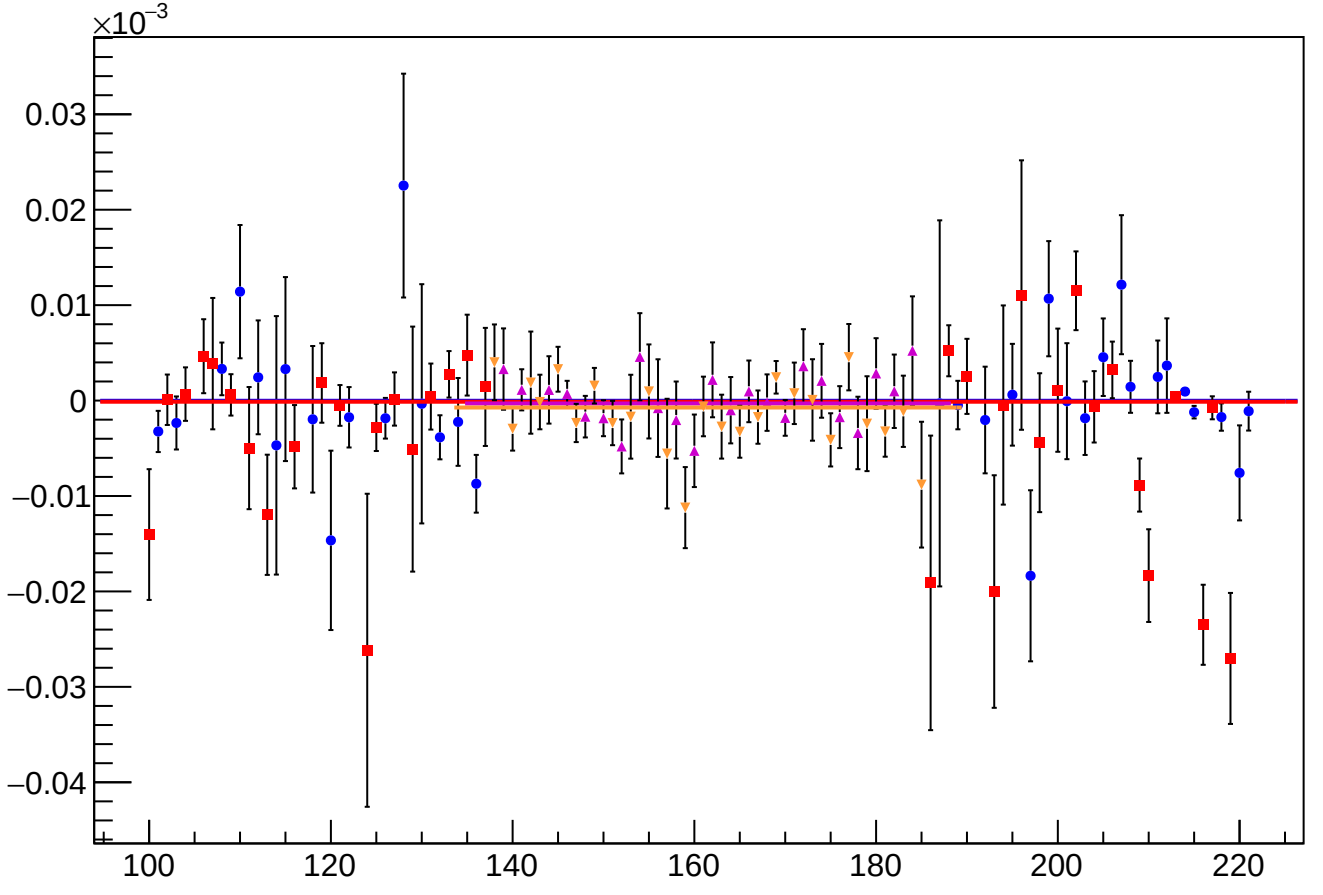
Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.628+/-0.005 χ^2/NDF: 5388325.9/58

All: 39.406+/-0.004 χ^2/NDF: 11983269.5/117

- sign 39.169+/-0.005 χ^2/NDF: 6590675.7/58

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 52.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

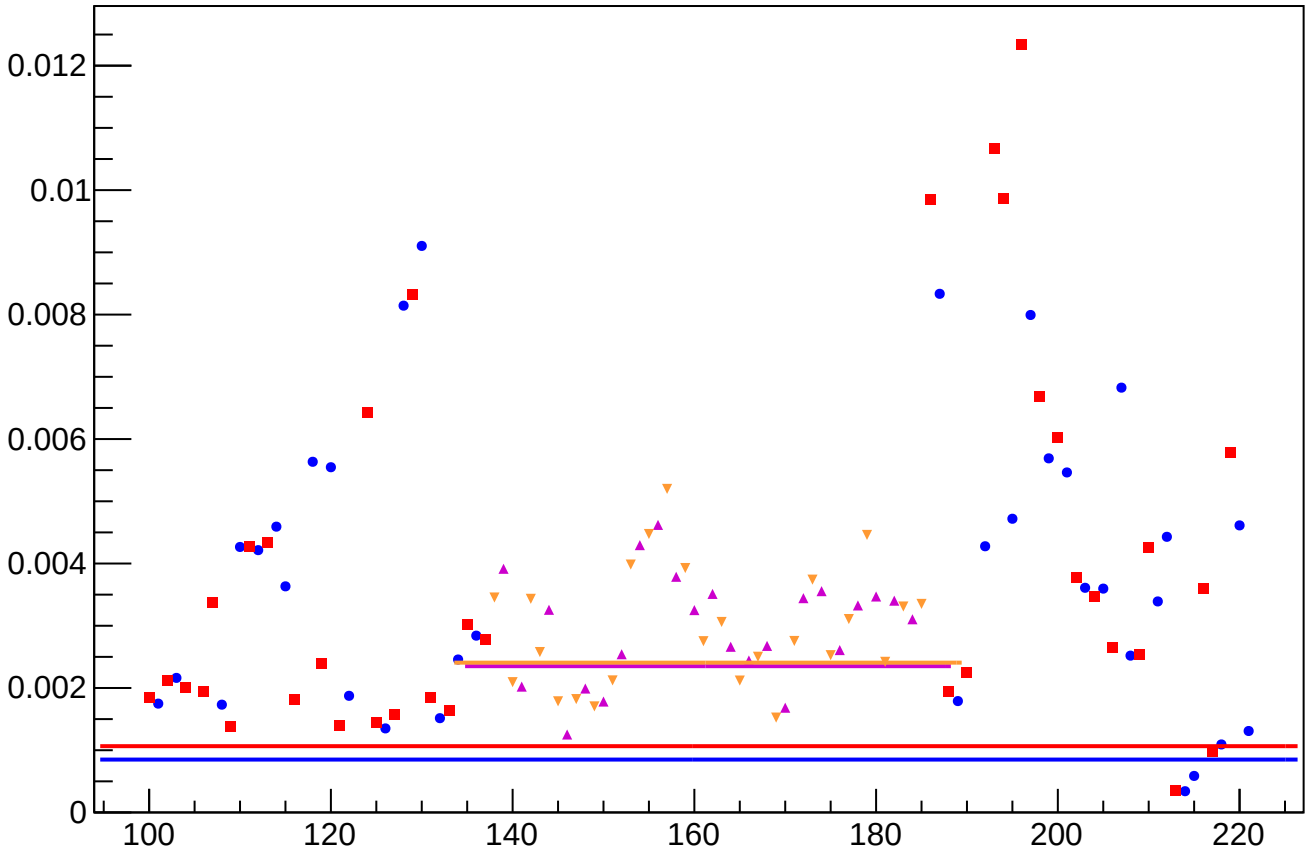
Right Out: -0.000+/-0.000 χ^2/NDF: 109.3/35

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/58

All: -0.000+/-0.000 χ^2/NDF: 202.8/117

- sign -0.000+/-0.000 χ^2/NDF: 123.1/58



Right In: 0.001+/-0.000 χ^2/NDF: 23791677.3/33

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

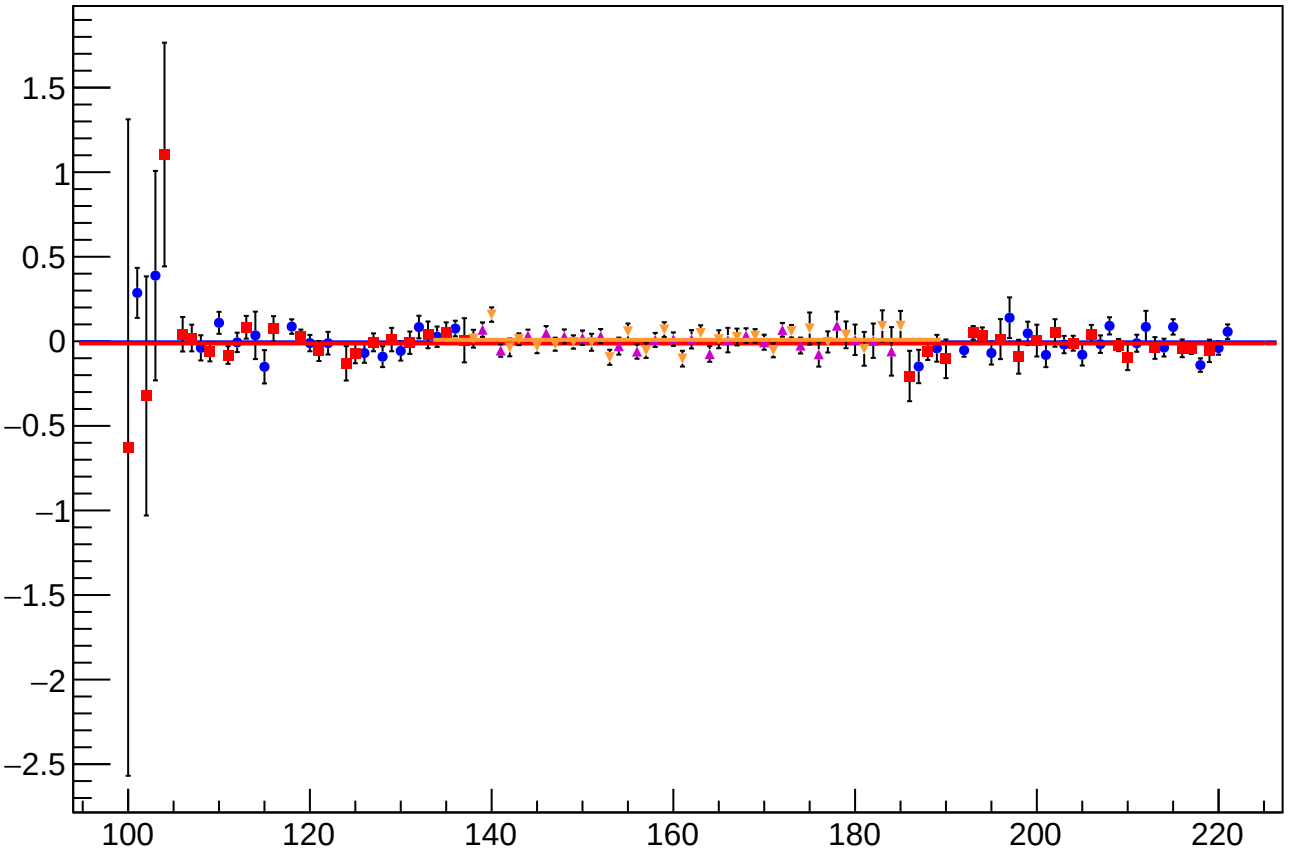
Right Out: 0.001+/-0.000 χ^2/NDF: 21085674.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 38735939.8/58

All: 0.001+/-0.000 χ^2/NDF: 71731071.6/117

- sign 0.001+/-0.000 χ^2/NDF: 32263216.9/58



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

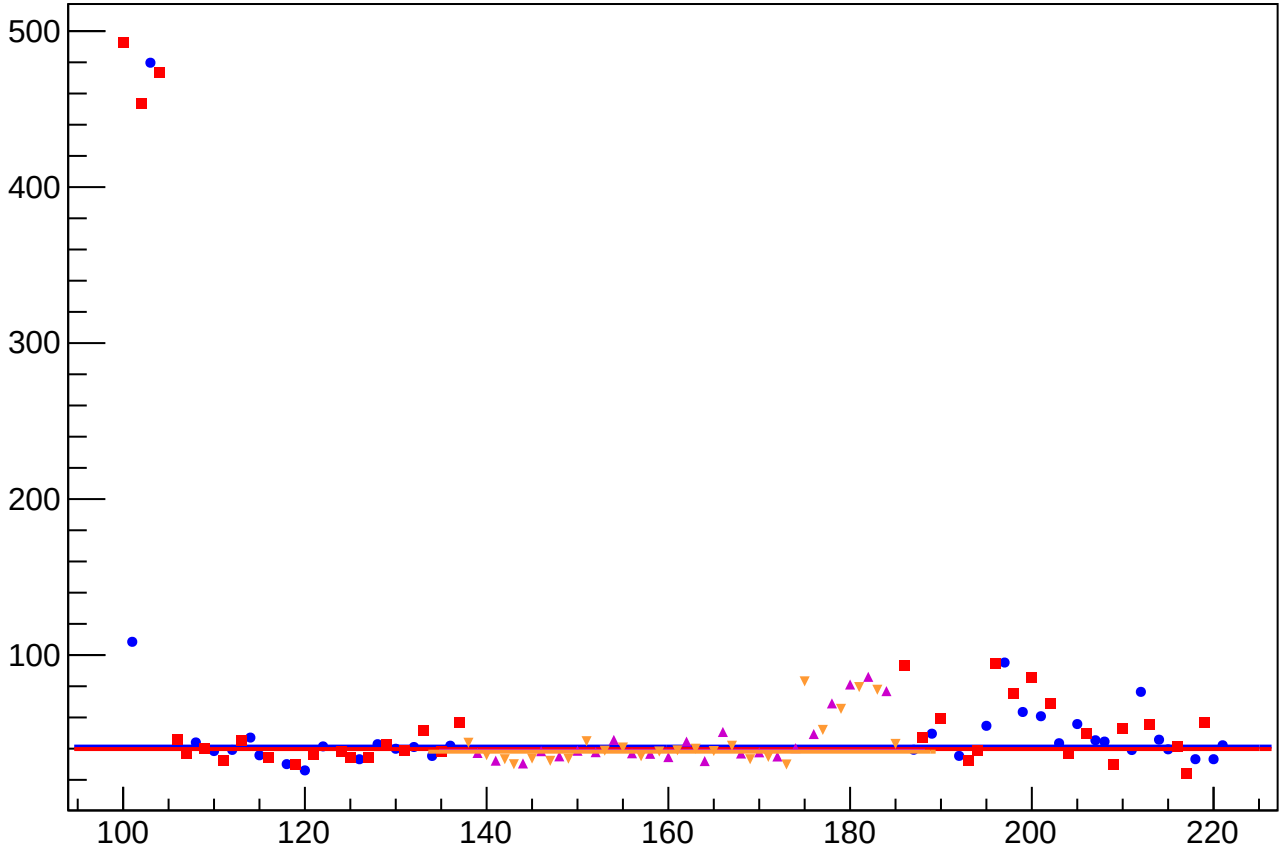
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: -0.000+/-0.005 χ^2/NDF: 143.4/117

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.320+/-0.007 χ^2/NDF: 3310633.1/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

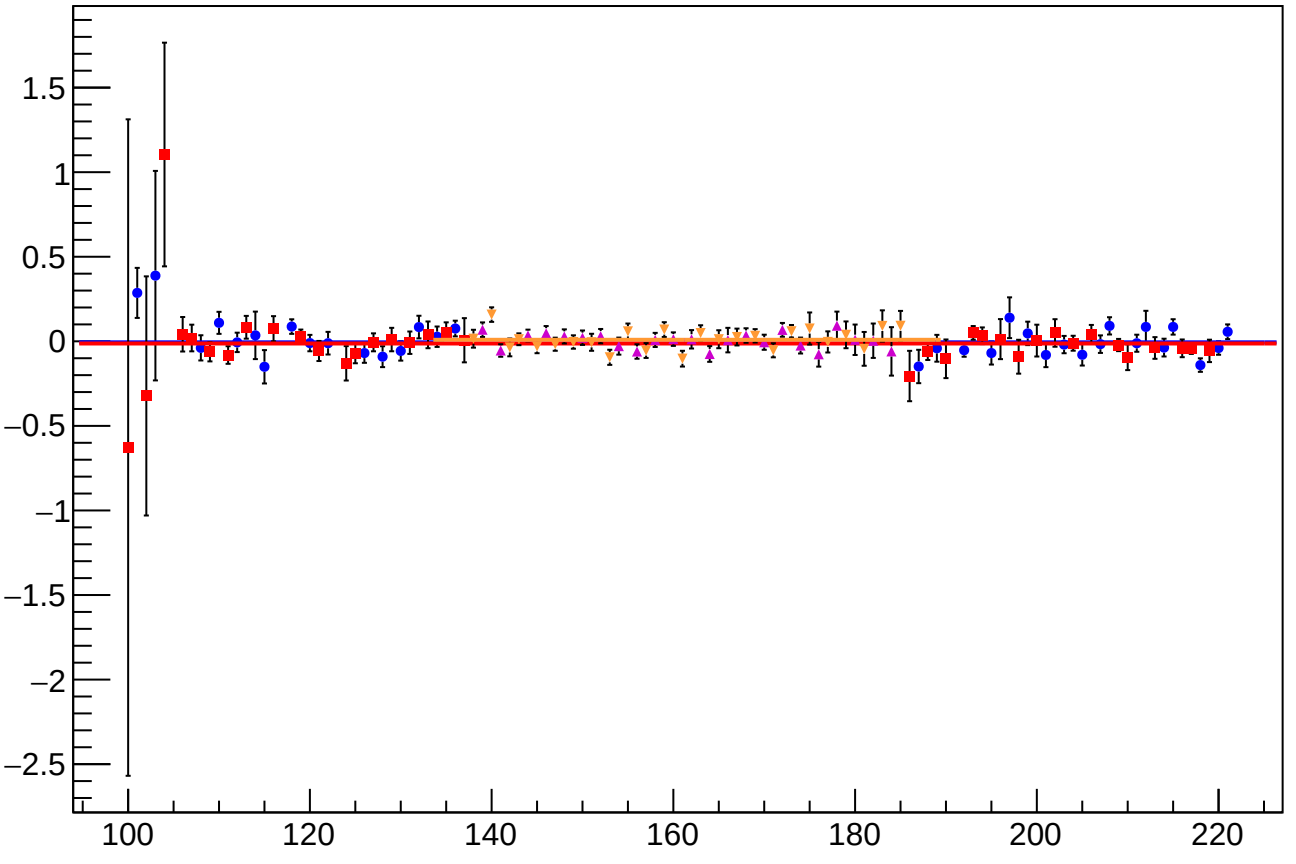
Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.627+/-0.005 χ^2/NDF: 5388562.4/58

All: 39.405+/-0.004 χ^2/NDF: 11984011.4/117

- sign 39.168+/-0.005 χ^2/NDF: 6591161.3/58



Right In: -0.006+/-0.010 χ^2/NDF: 55.8/33

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

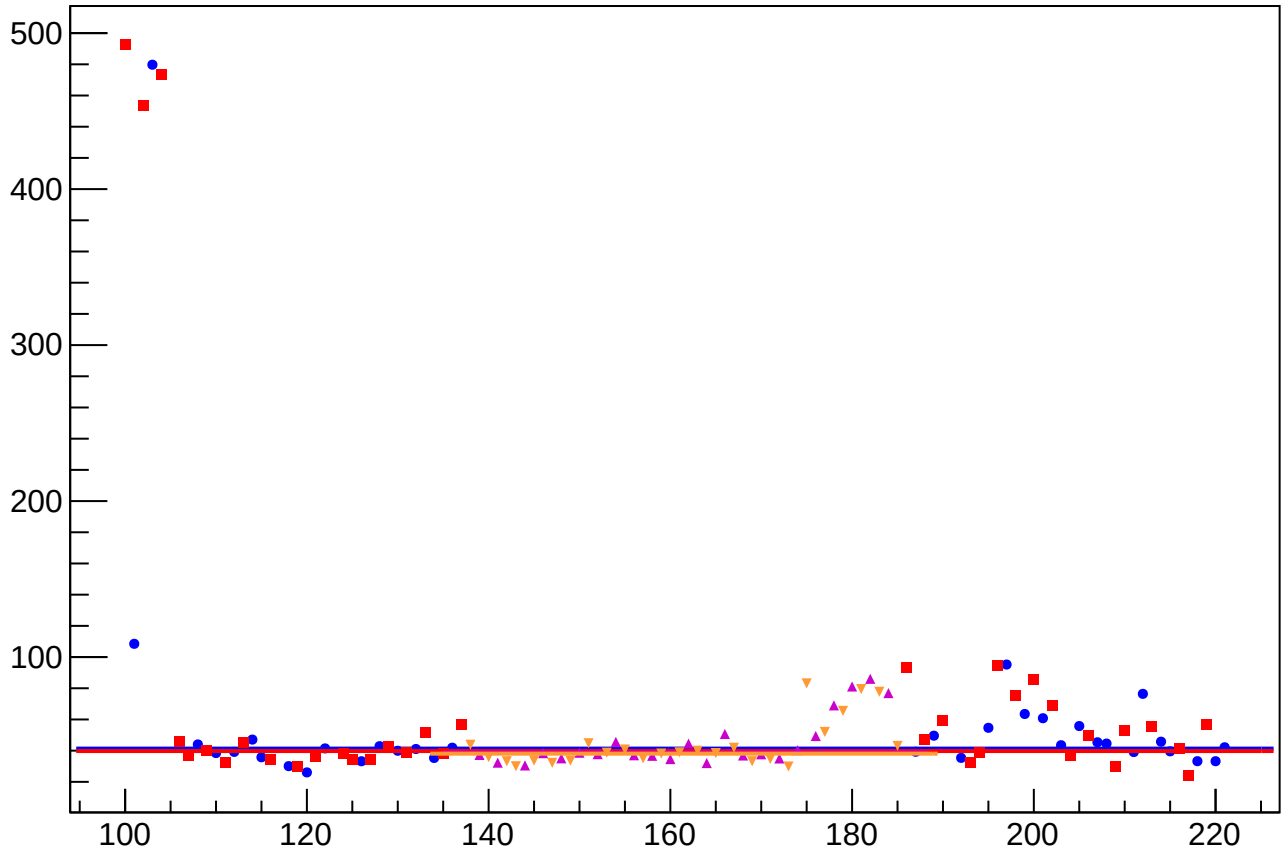
Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.002+/-0.007 χ^2/NDF: 95.6/58

All: -0.000+/-0.005 χ^2/NDF: 143.4/117

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58



Right In: 41.320+/-0.007 χ^2/NDF: 3310633.1/33

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

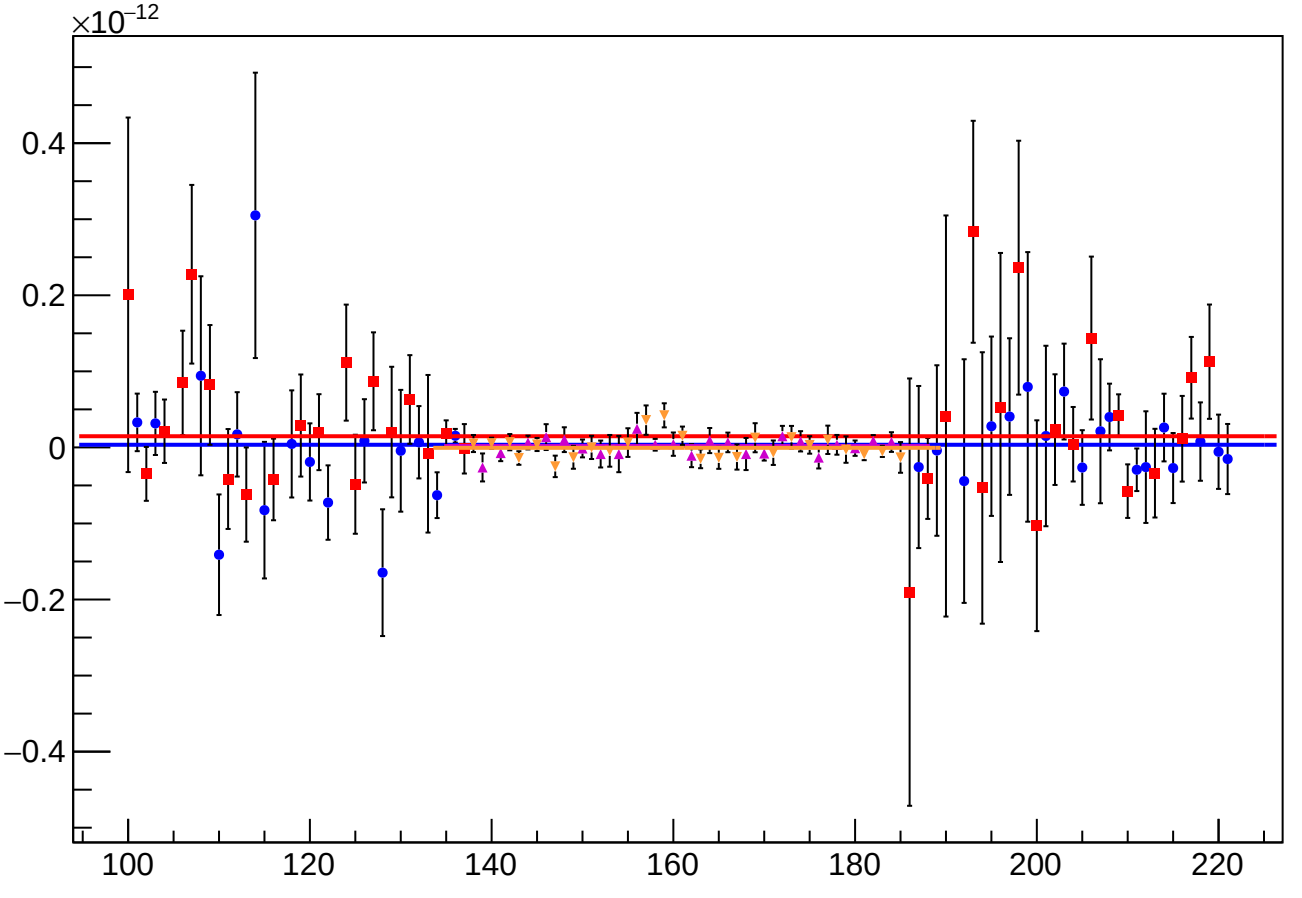
Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.627+/-0.005 χ^2/NDF: 5388562.4/58

All: 39.405+/-0.004 χ^2/NDF: 11984011.4/117

- sign 39.168+/-0.005 χ^2/NDF: 6591161.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

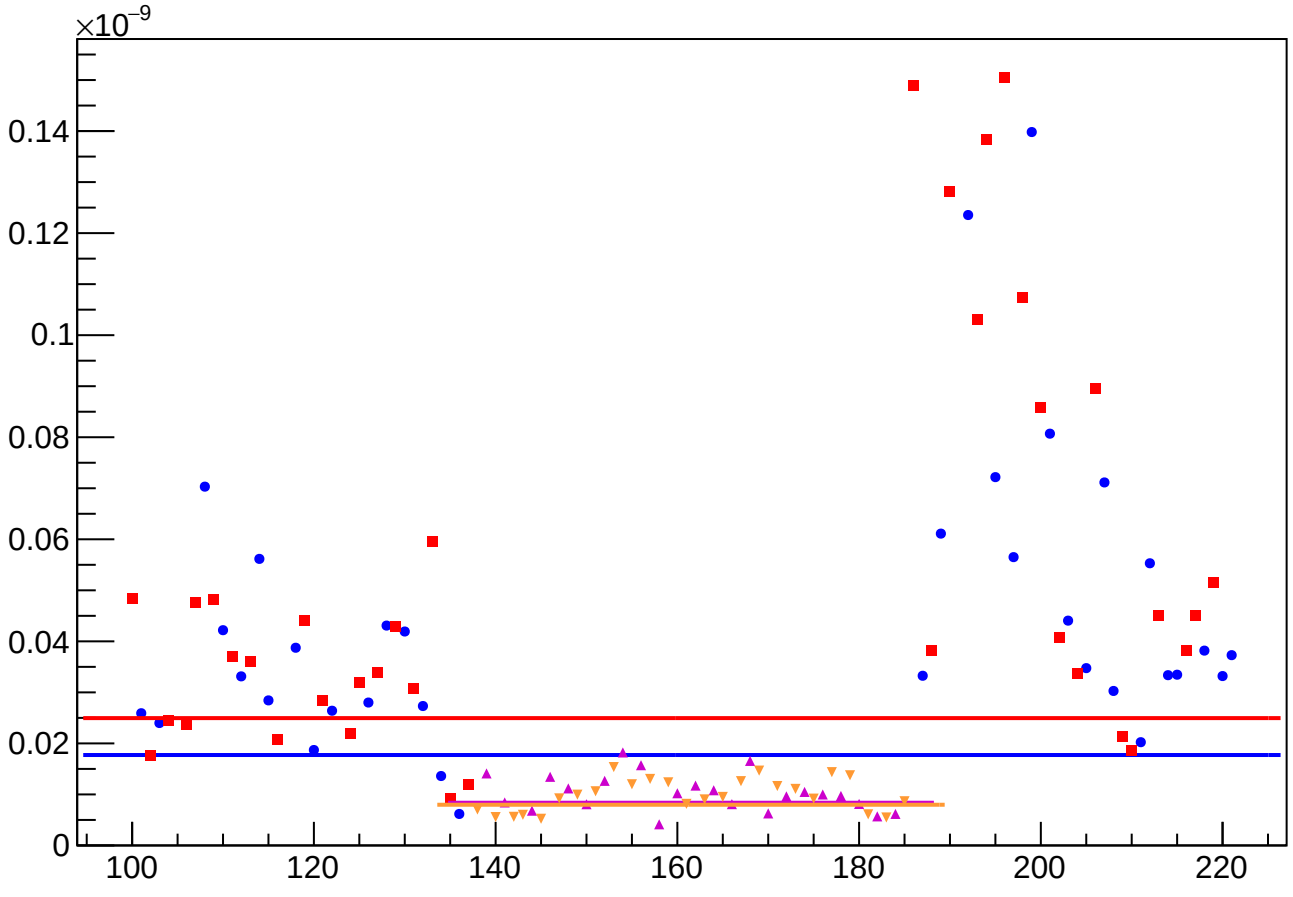
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.3/58

All: 0.000+/-0.000 χ^2/NDF: 103.6/117

- sign 0.000+/-0.000 χ^2/NDF: 48.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 11737408.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8830571.2/35

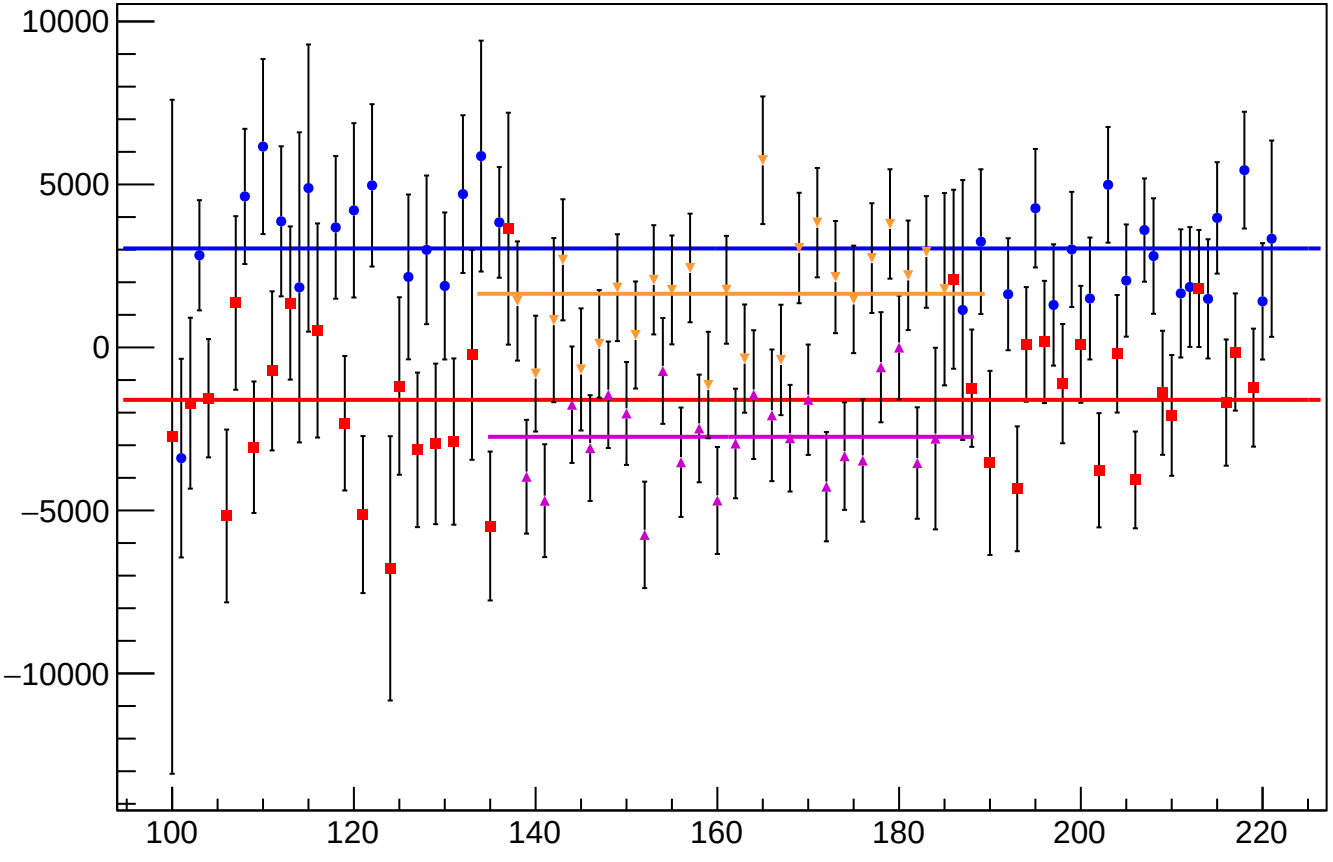
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 18418339.8/58

All: 0.000+/-0.000 χ^2/NDF: 36918124.7/117

- sign 0.000+/-0.000 χ^2/NDF: 18432092.1/58

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3036.932+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1607.070+/-358.038 χ^2/NDF: 32.3/35

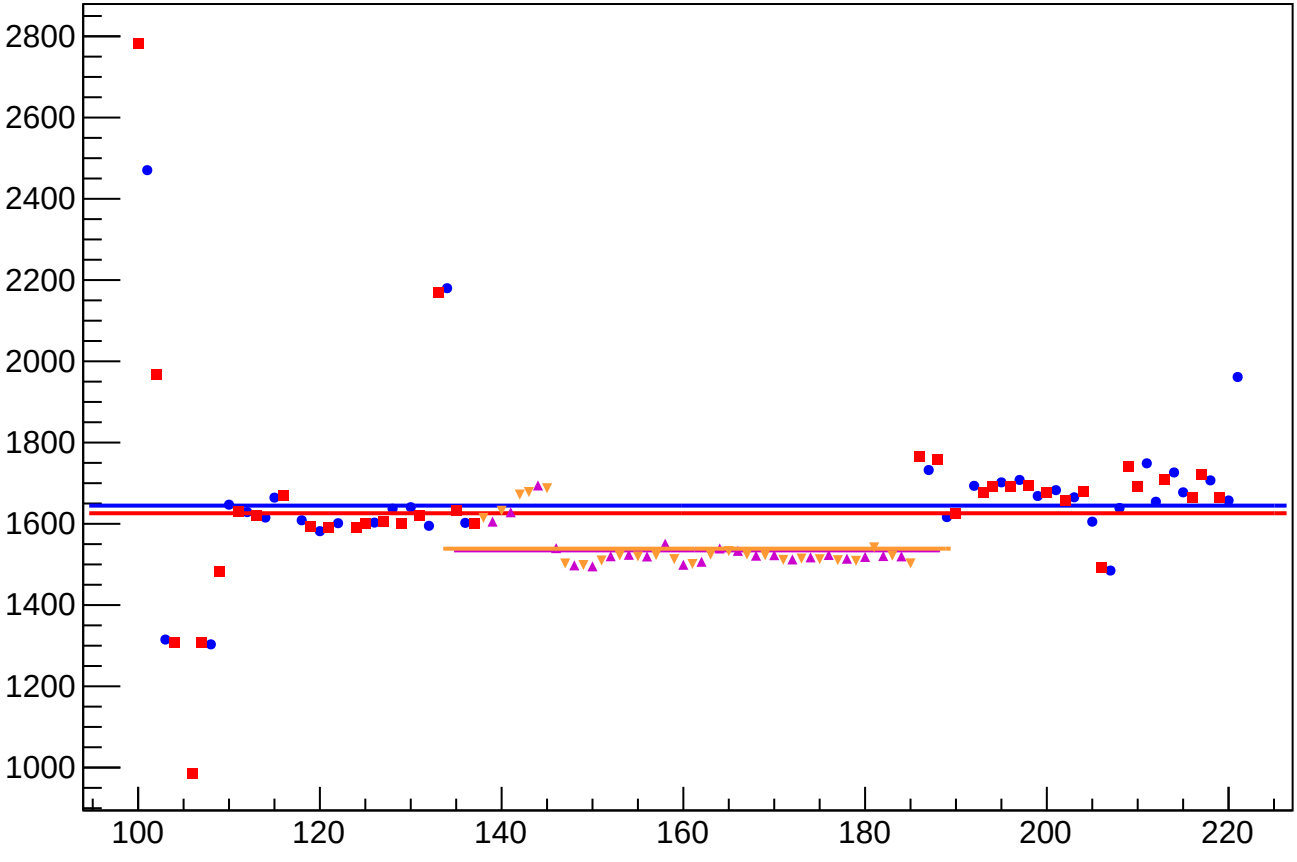
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2328.621+/-249.626 χ^2/NDF: 47.3/58

All: 110.702+/-177.804 χ^2/NDF: 261.3/117

- sign -2173.332+/-253.319 χ^2/NDF: 53.7/58

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.794+/-0.252 χ^2/NDF: 393170.0/33

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.014+/-0.252 χ^2/NDF: 482617.4/35

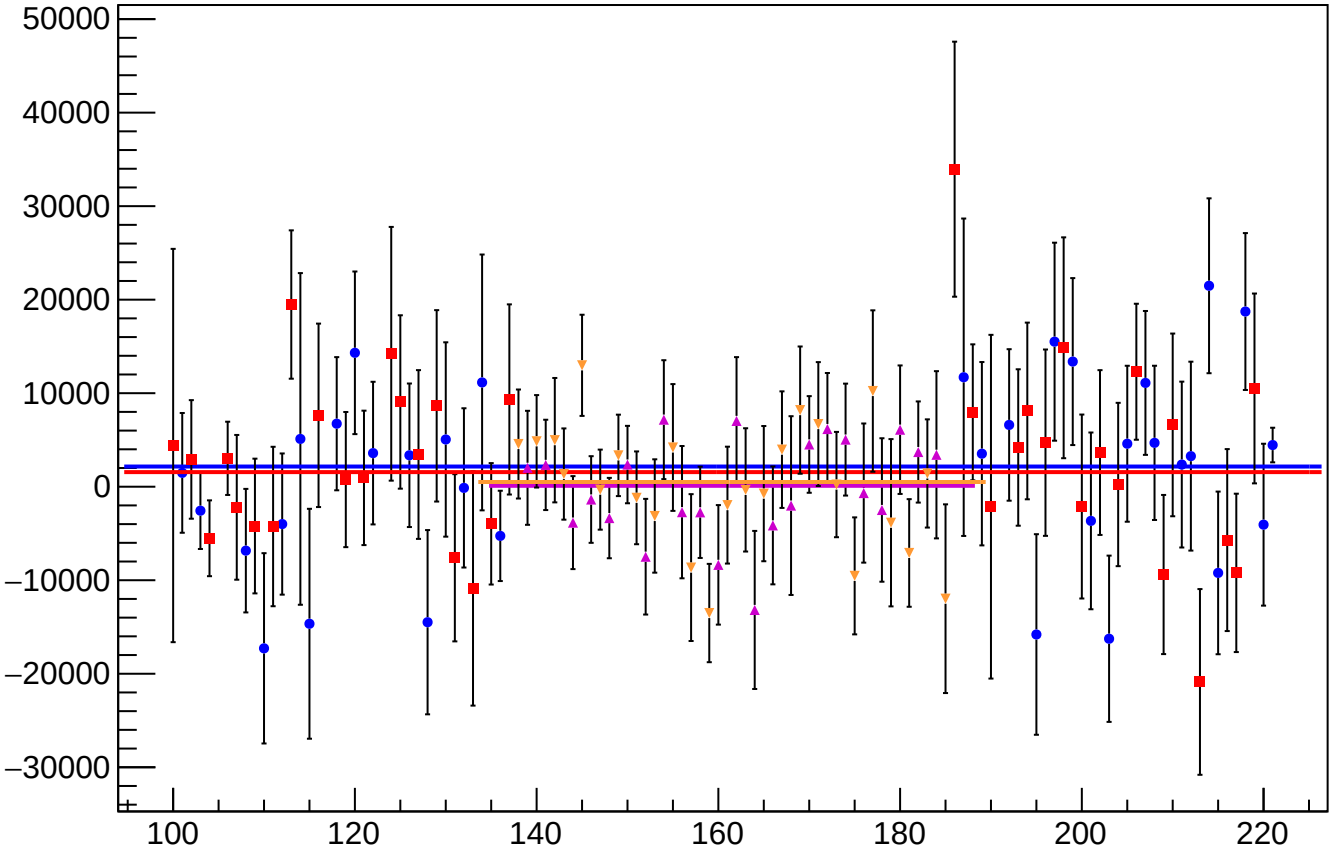
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1590.807+/-0.177 χ^2/NDF: 530324.9/58

All: 1585.790+/-0.126 χ^2/NDF: 1111197.9/11

- sign 1580.656+/-0.179 χ^2/NDF: 579238.3/58

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 2157.966+/-1125.981 χ^2/NDF: 42.4/33

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1561.006+/-1345.001 χ^2/NDF: 36.3/35

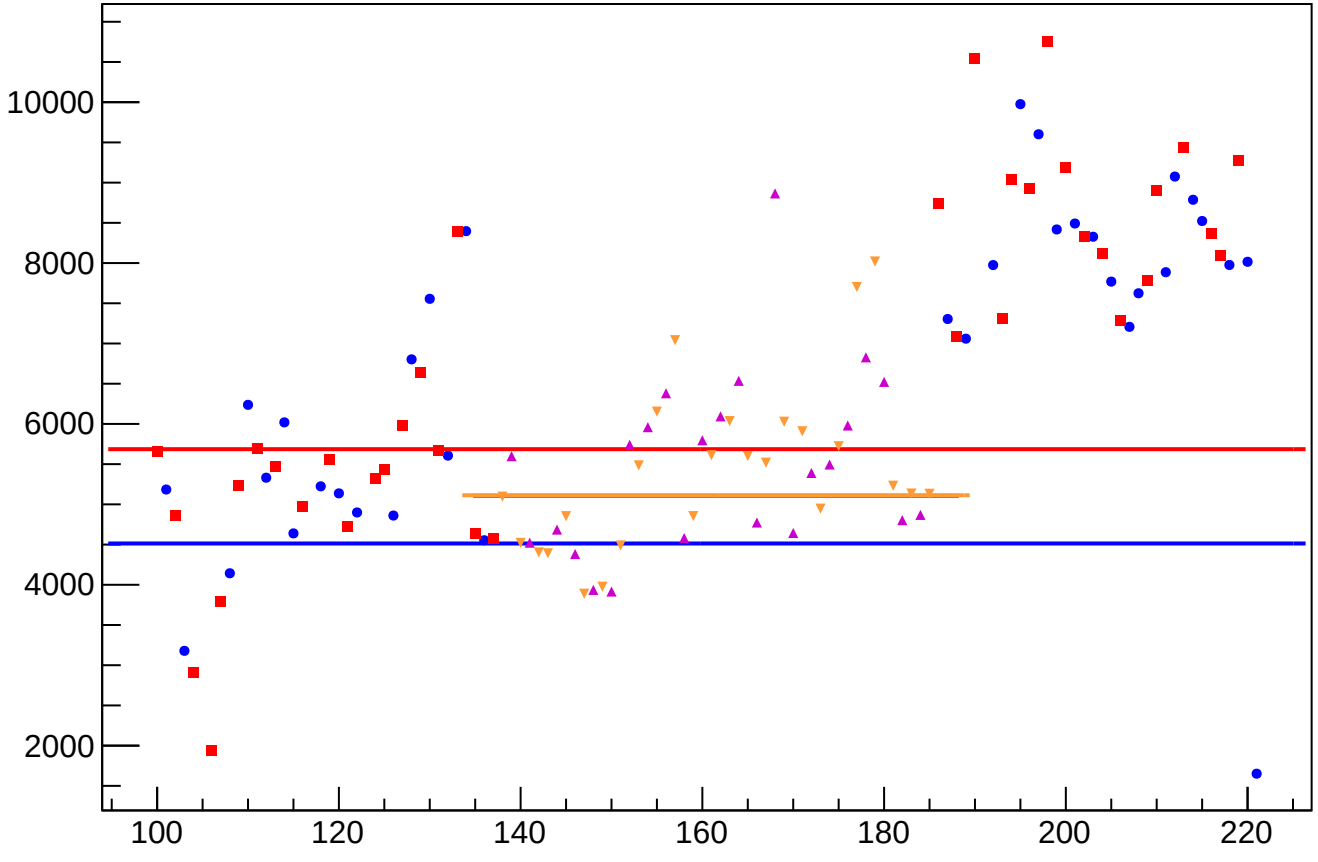
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 1374.724+/-817.008 χ^2/NDF: 70.2/58

All: 1096.502+/-605.734 χ^2/NDF: 122.3/117

\- sign 756.890+/-902.656 χ^2/NDF: 51.8/58

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4513.439+/-0.796 χ^2/NDF: 11320112.5/33

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5686.033+/-0.951 χ^2/NDF: 6266422.2/35

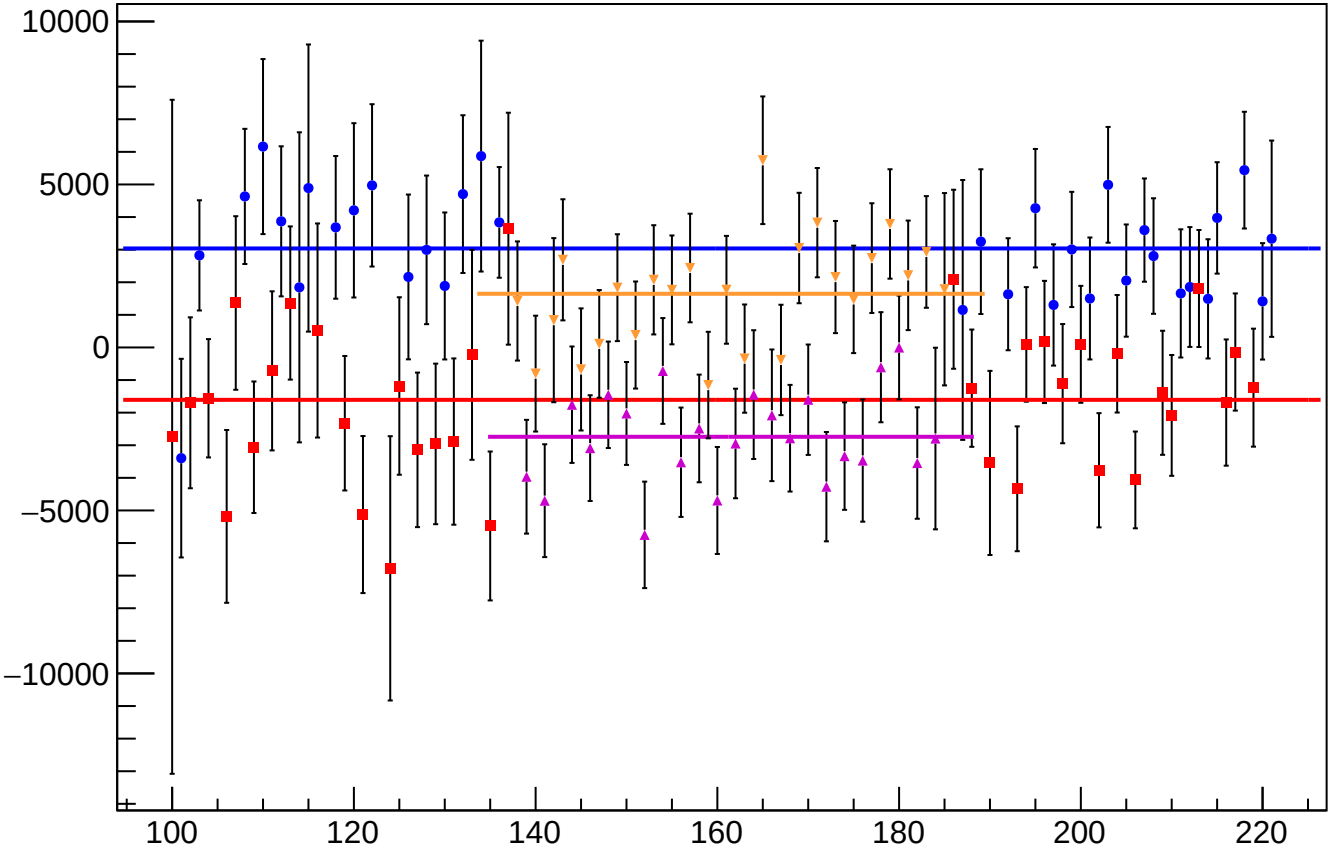
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 4797.315+/-0.578 χ^2/NDF: 12747593.0/58

All: 5054.062+/-0.428 χ^2/NDF: 20908390.2/1

- sign 5367.460+/-0.638 χ^2/NDF: 7722198.9/58

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3036.811+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1607.117+/-358.038 χ^2/NDF: 32.3/35

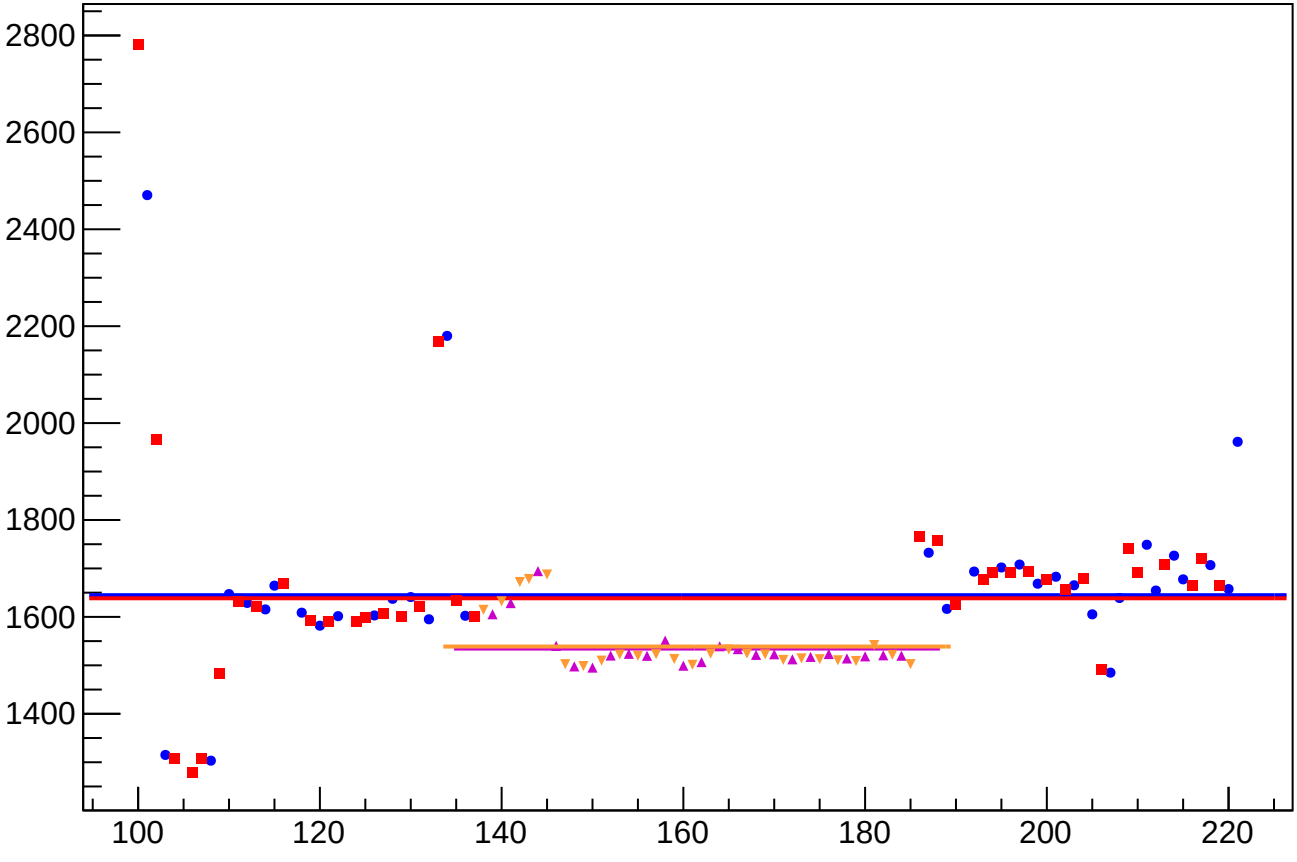
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2328.507+/-249.626 χ^2/NDF: 47.3/58

All: 110.659+/-177.804 χ^2/NDF: 261.3/117

- sign -2173.308+/-253.320 χ^2/NDF: 53.8/58

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.794+/-0.252 χ^2/NDF: 393169.0/33

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

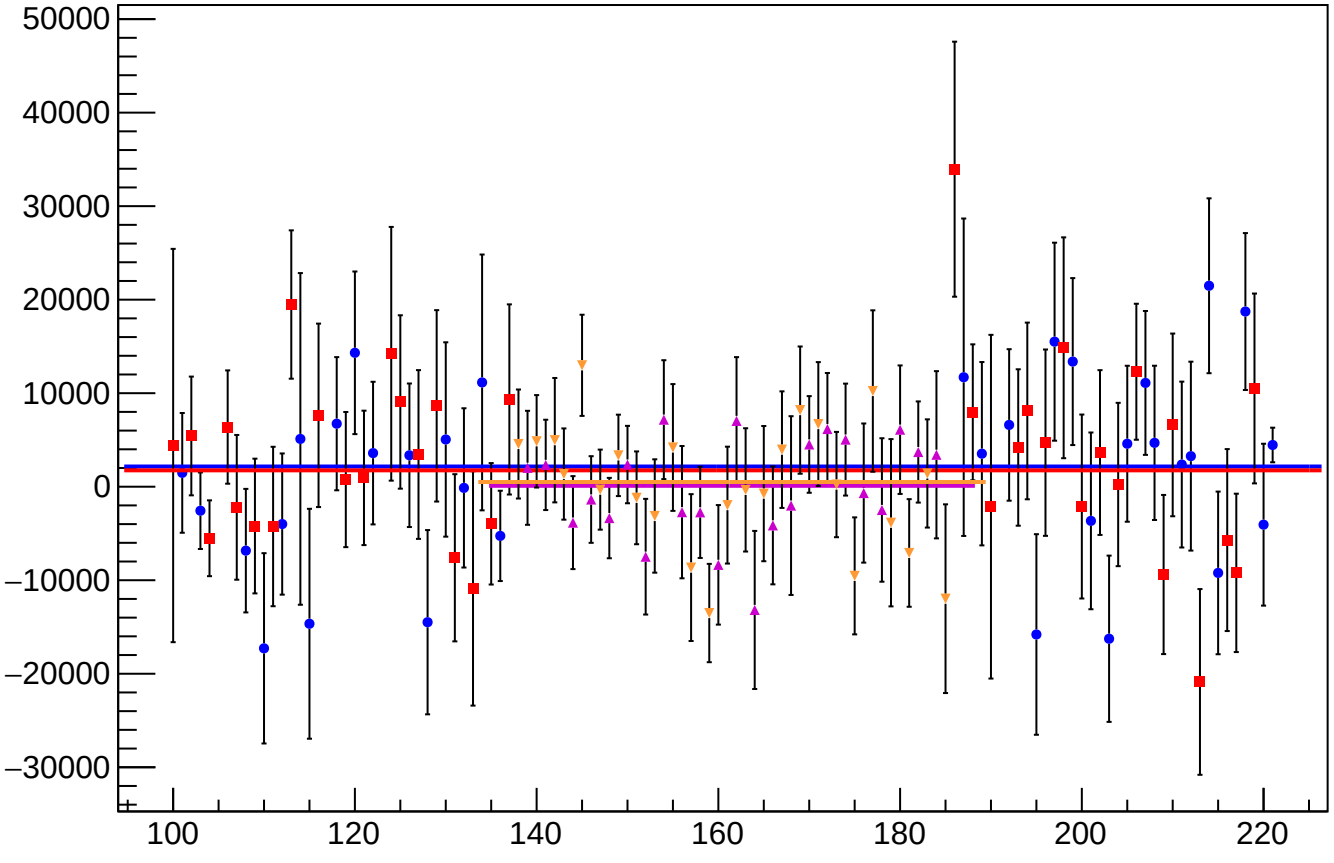
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1590.807+/-0.177 χ^2/NDF: 530324.0/58

All: 1588.756+/-0.126 χ^2/NDF: 968355.4/117

- sign 1586.646+/-0.179 χ^2/NDF: 437757.4/58

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 2159.257+/-1126.110 χ^2/NDF: 42.4/33

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1750.332+/-1393.773 χ^2/NDF: 37.1/35

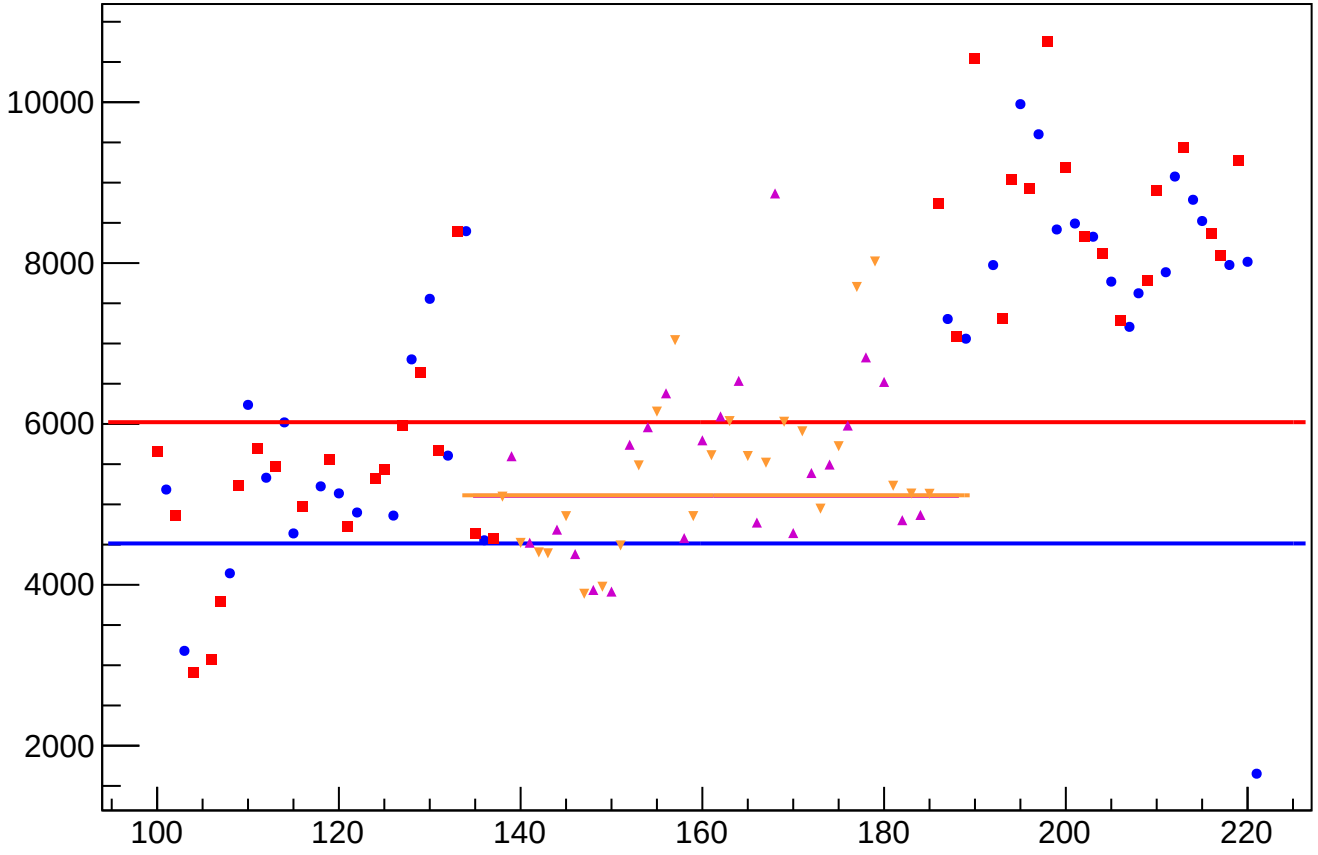
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 1375.310+/-817.057 χ^2/NDF: 70.2/58

All: 1126.512+/-610.023 χ^2/NDF: 123.2/117

\- sign 813.149+/-916.967 χ^2/NDF: 52.8/58

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4514.311+/-0.796 χ^2/NDF: 11315281.1/33

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

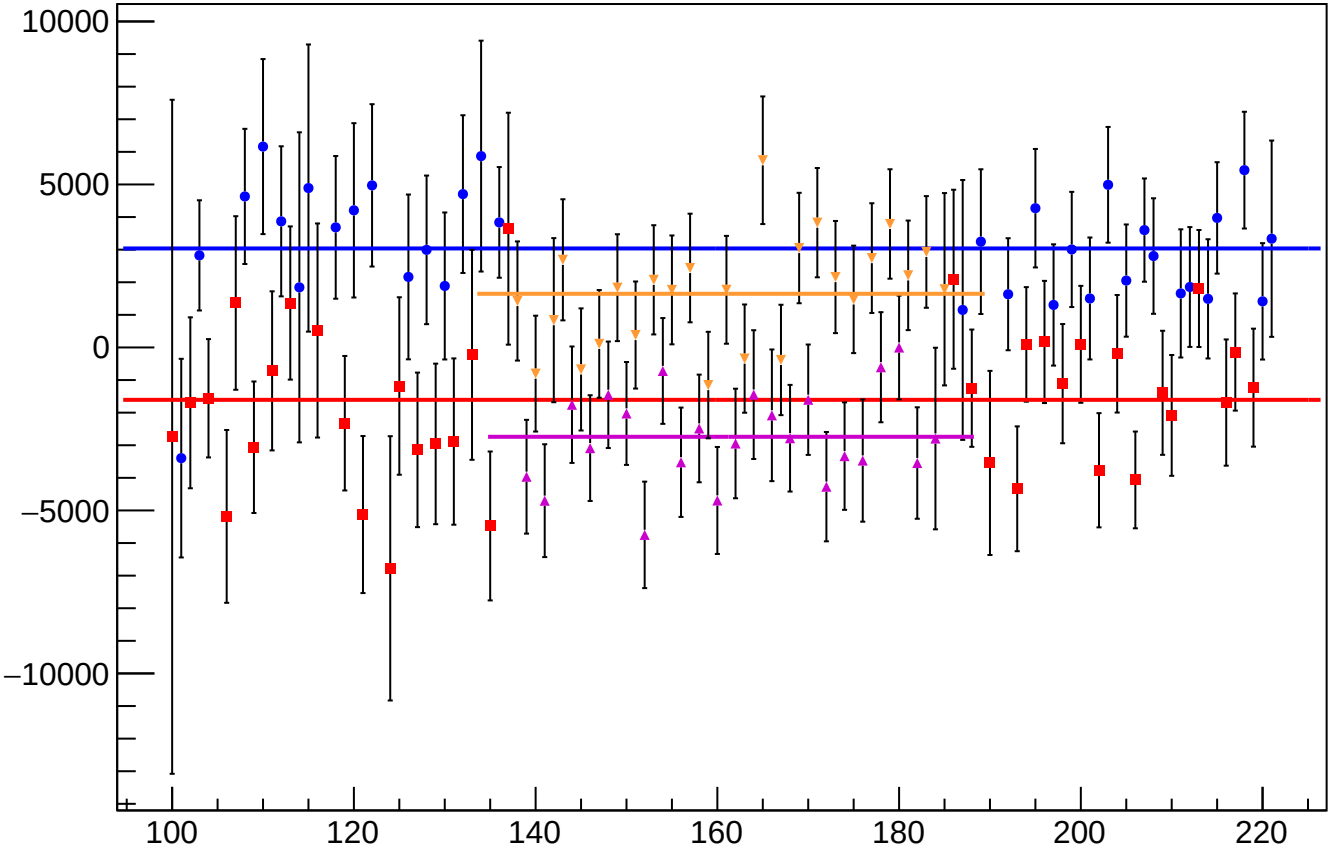
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 4797.805+/-0.578 χ^2/NDF: 12741959.3/58

All: 5109.766+/-0.431 χ^2/NDF: 19835259.4/1

- sign 5502.684+/-0.648 χ^2/NDF: 6434520.7/58

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3036.811+/-356.384 χ^2/NDF: 18.5/33

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1607.117+/-358.038 χ^2/NDF: 32.3/35

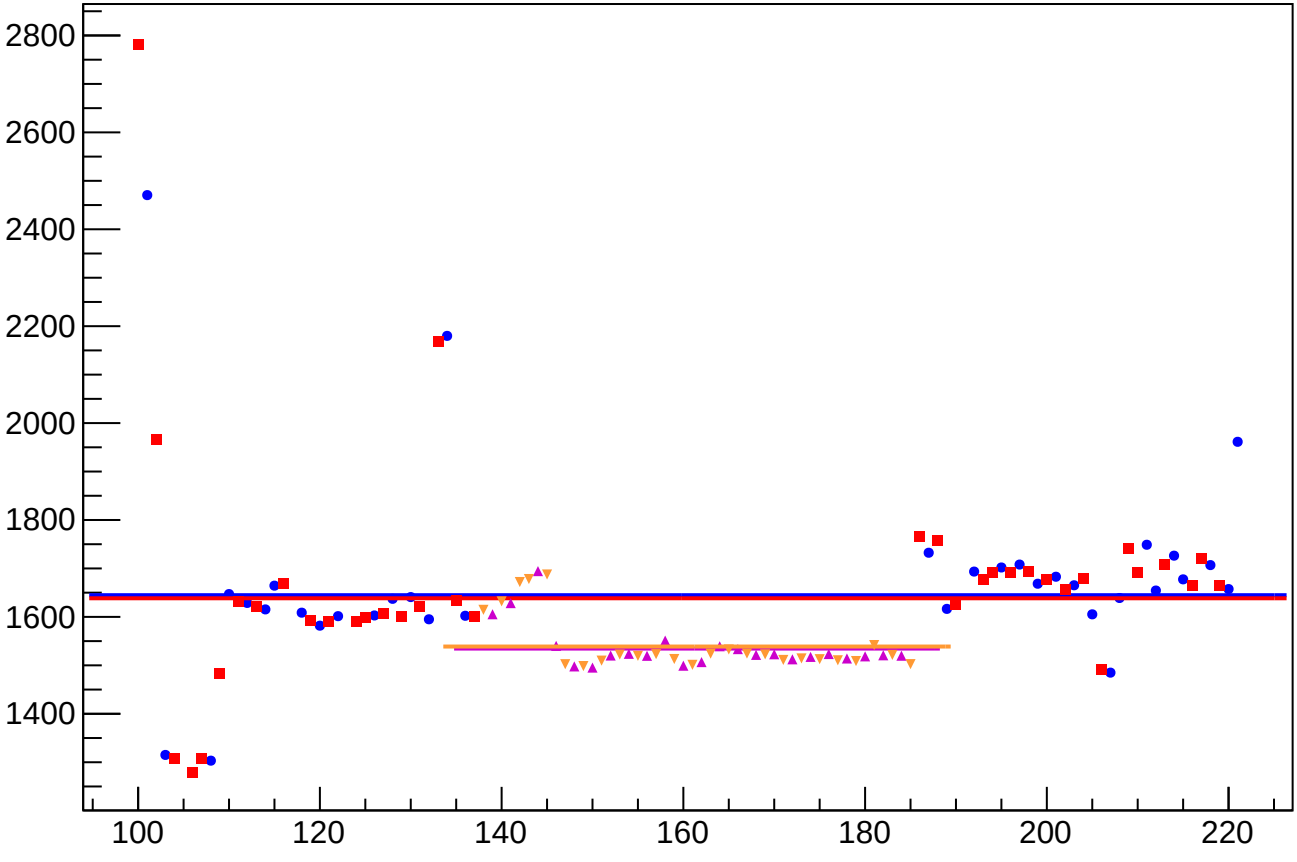
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2328.507+/-249.626 χ^2/NDF: 47.3/58

All: 110.659+/-177.804 χ^2/NDF: 261.3/117

- sign -2173.308+/-253.320 χ^2/NDF: 53.8/58

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1644.794+/-0.252 χ^2/NDF: 393169.0/33

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

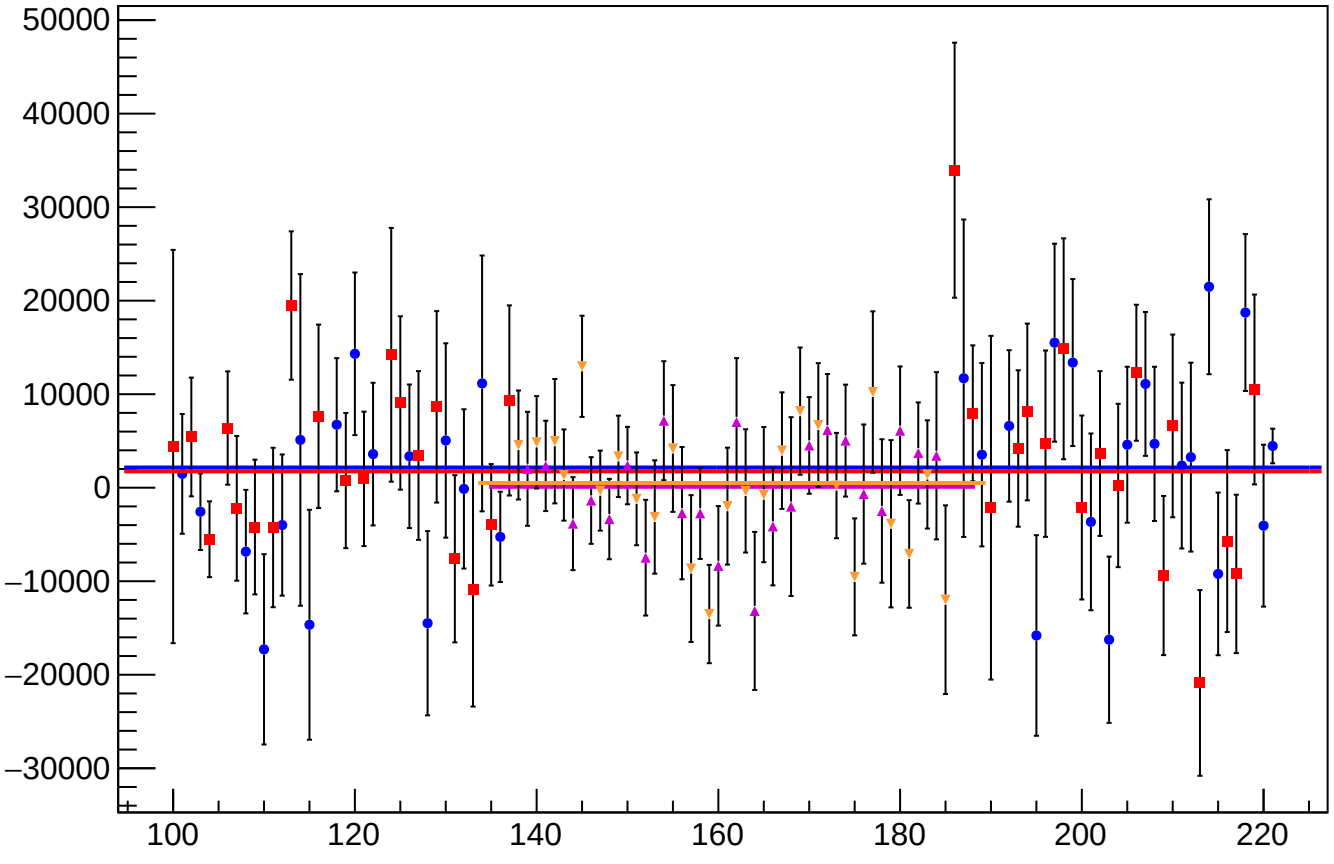
Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1590.807+/-0.177 χ^2/NDF: 530324.0/58

All: 1588.756+/-0.126 χ^2/NDF: 968355.4/117

- sign 1586.646+/-0.179 χ^2/NDF: 437757.4/58



Right In: 2159.257+/-1126.110 χ^2/NDF: 42.4/33

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

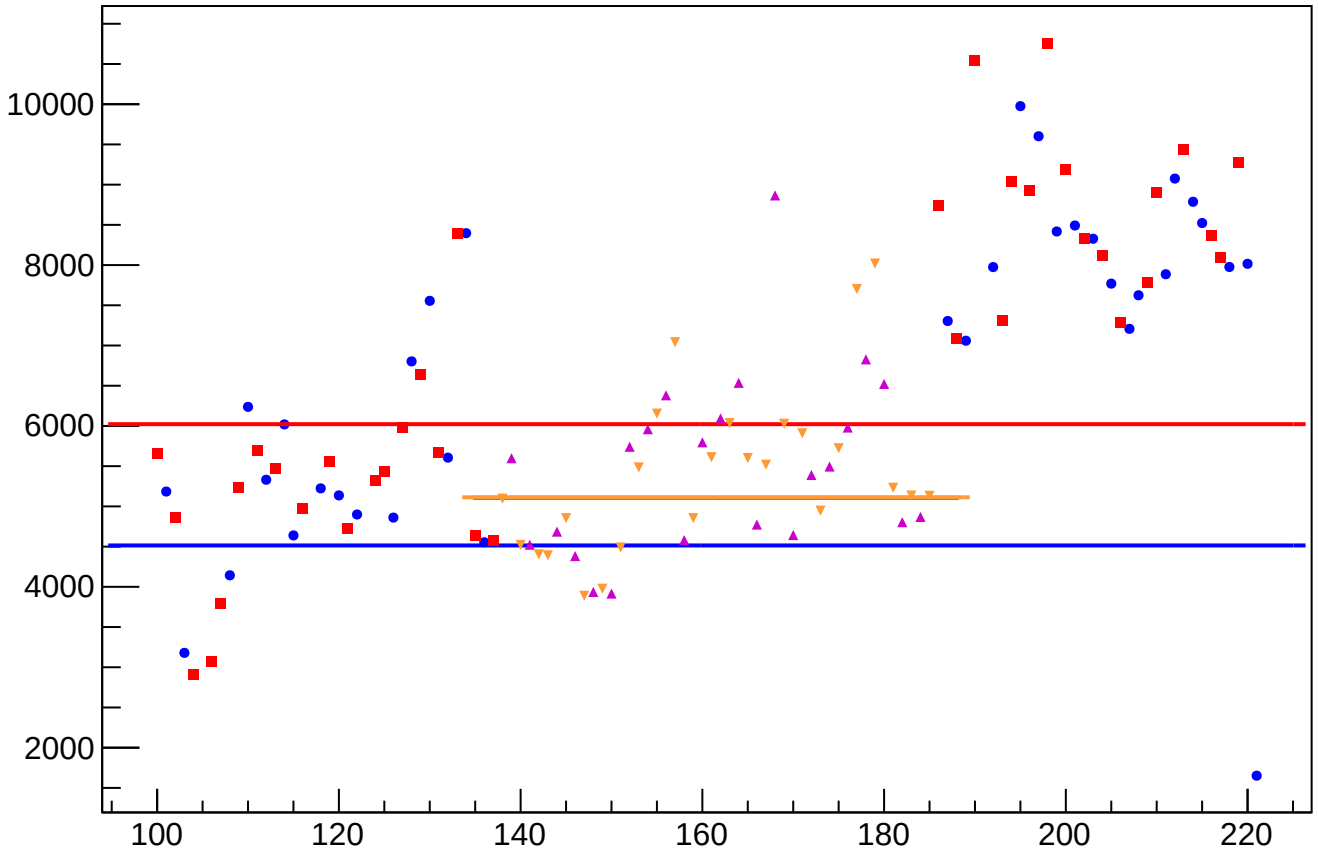
Right Out: 1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 1375.310+/-817.057 χ^2/NDF: 70.2/58

All: 1126.512+/-610.023 χ^2/NDF: 123.2/117

- sign 813.149+/-916.967 χ^2/NDF: 52.8/58



Right In: 4514.311+/-0.796 χ^2/NDF: 11315281.1/33

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

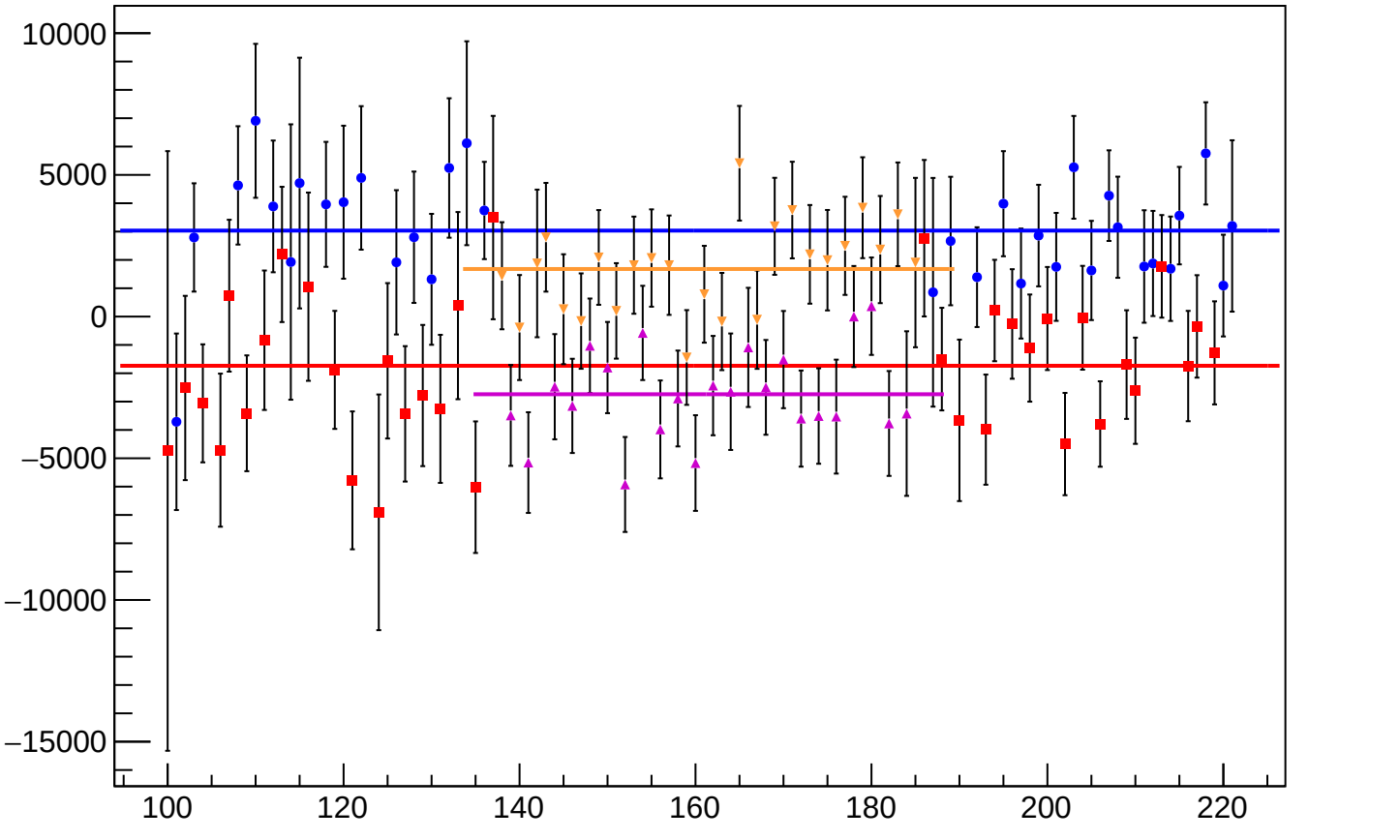
Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 4797.805+/-0.578 χ^2/NDF: 12741959.3/58

All: 5109.766+/-0.431 χ^2/NDF: 19835259.4/1

- sign 5502.684+/-0.648 χ^2/NDF: 6434520.7/58



Right In: 3034.475+/-362.955 χ^2/NDF: 21.5/33

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1735.760+/-365.751 χ^2/NDF: 35.0/35

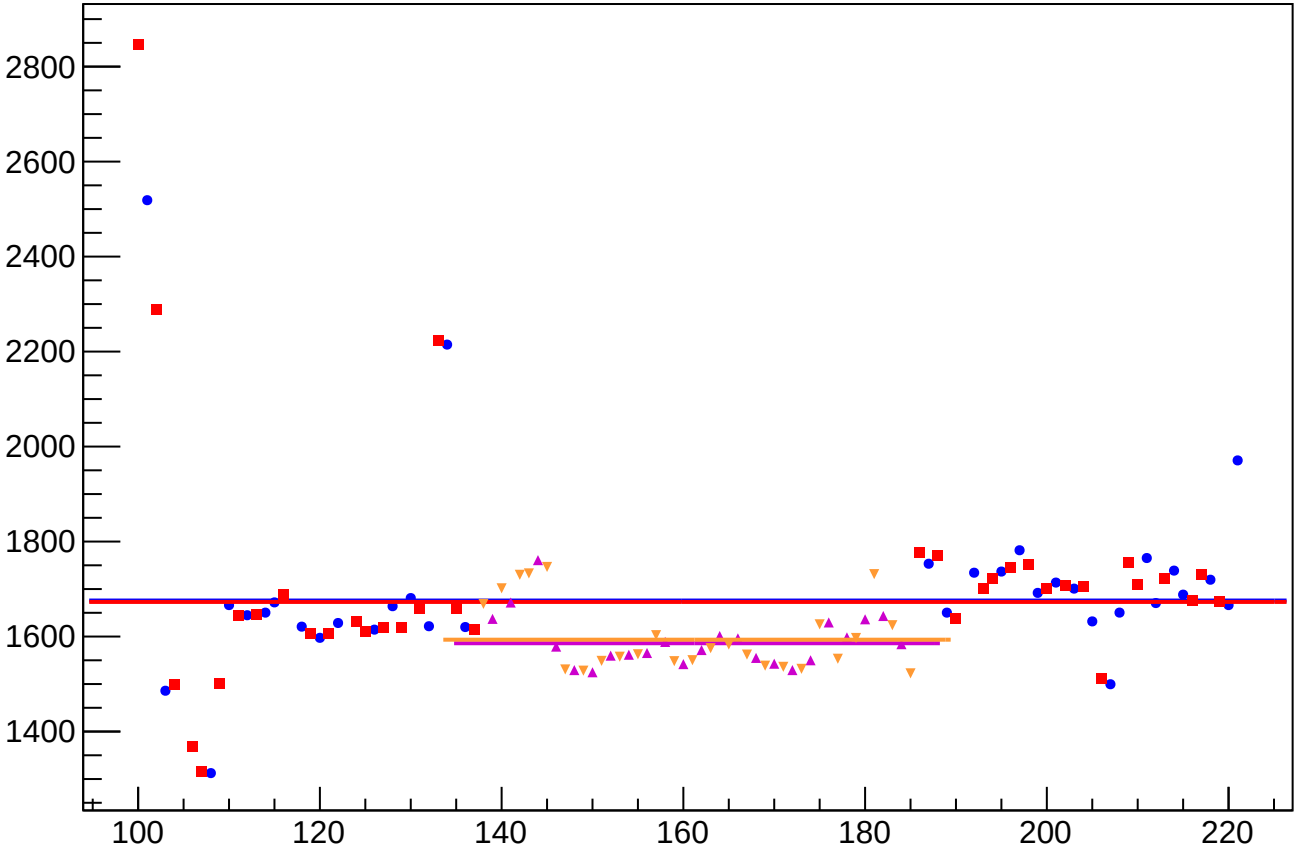
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2355.765+/-256.449 χ^2/NDF: 47.4/58

All: 96.487+/-182.691 χ^2/NDF: 262.9/117

- sign -2231.590+/-260.324 χ^2/NDF: 57.9/58

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1675.826+/-0.257 χ^2/NDF: 345502.7/33

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

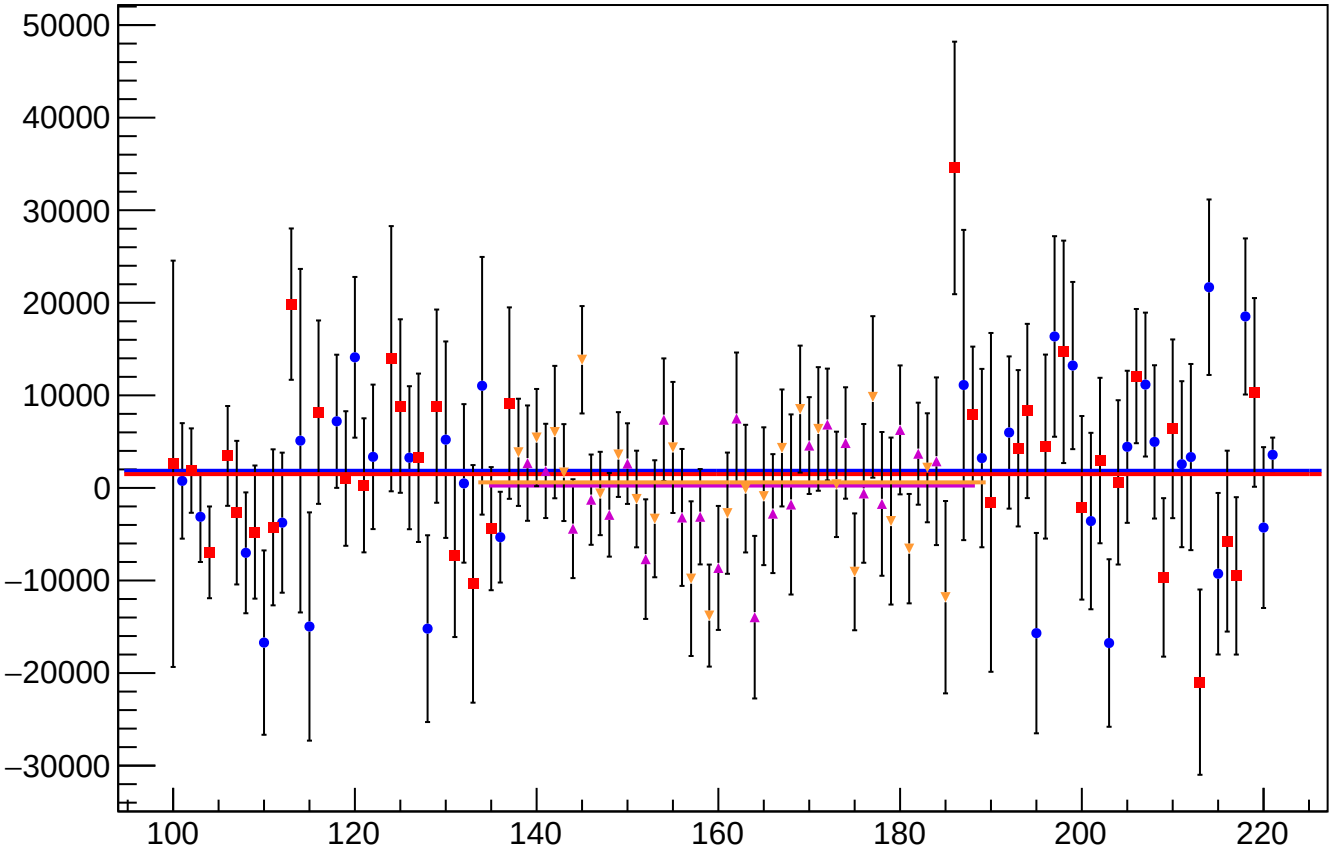
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1634.543+/-0.181 χ^2/NDF: 469047.9/58

All: 1632.303+/-0.129 χ^2/NDF: 866090.6/117

- sign 1629.996+/-0.184 χ^2/NDF: 396733.0/58

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 1851.425+/-1144.289 χ^2/NDF: 41.1/33

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1491.182+/-1387.893 χ^2/NDF: 36.1/35

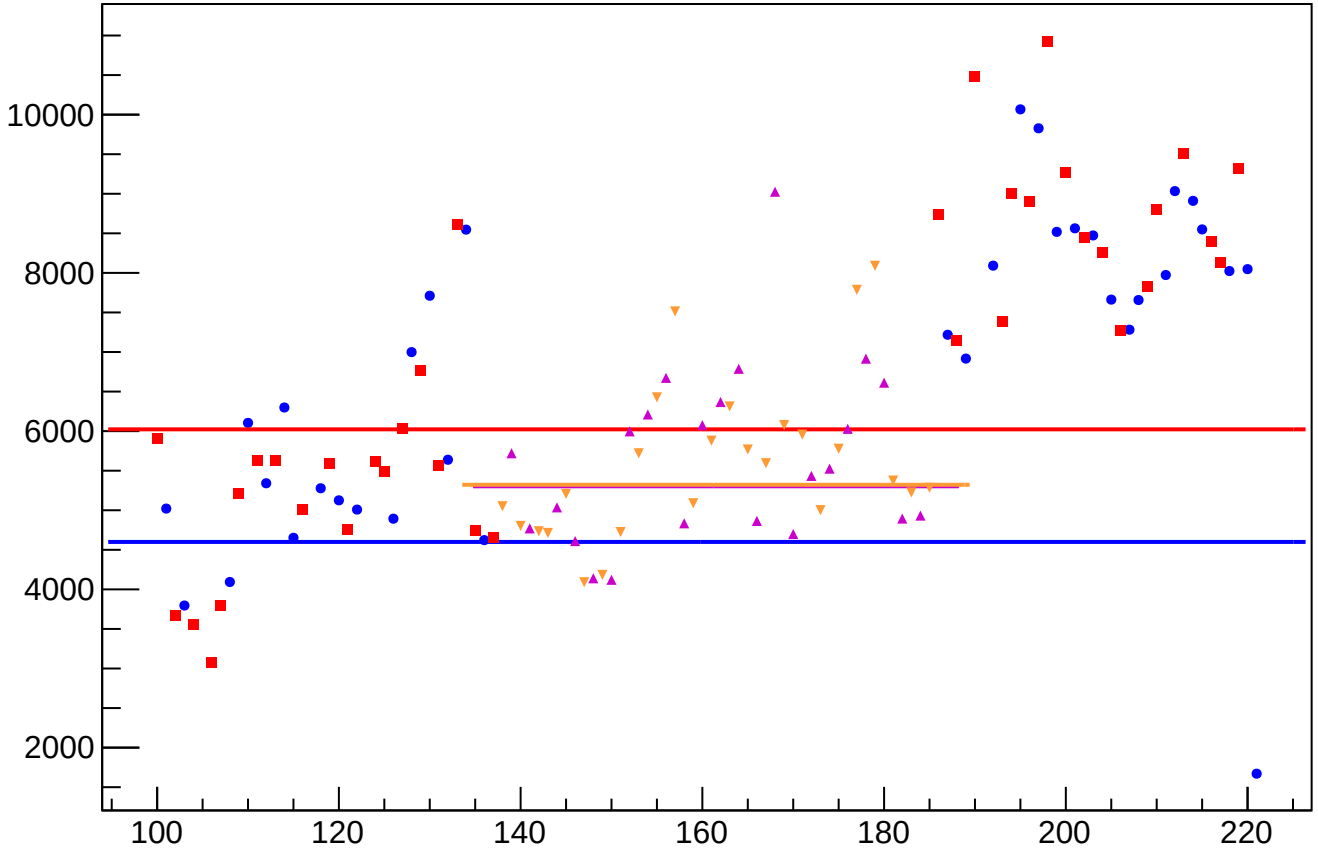
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 1273.470+/-838.920 χ^2/NDF: 67.7/58

All: 1068.868+/-624.109 χ^2/NDF: 119.0/117

- sign 815.284+/-933.957 χ^2/NDF: 51.2/58

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 4599.764+/-0.809 χ^2/NDF: 11147000.3/33

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 6022.568+/-0.981 χ^2/NDF: 4622871.7/35

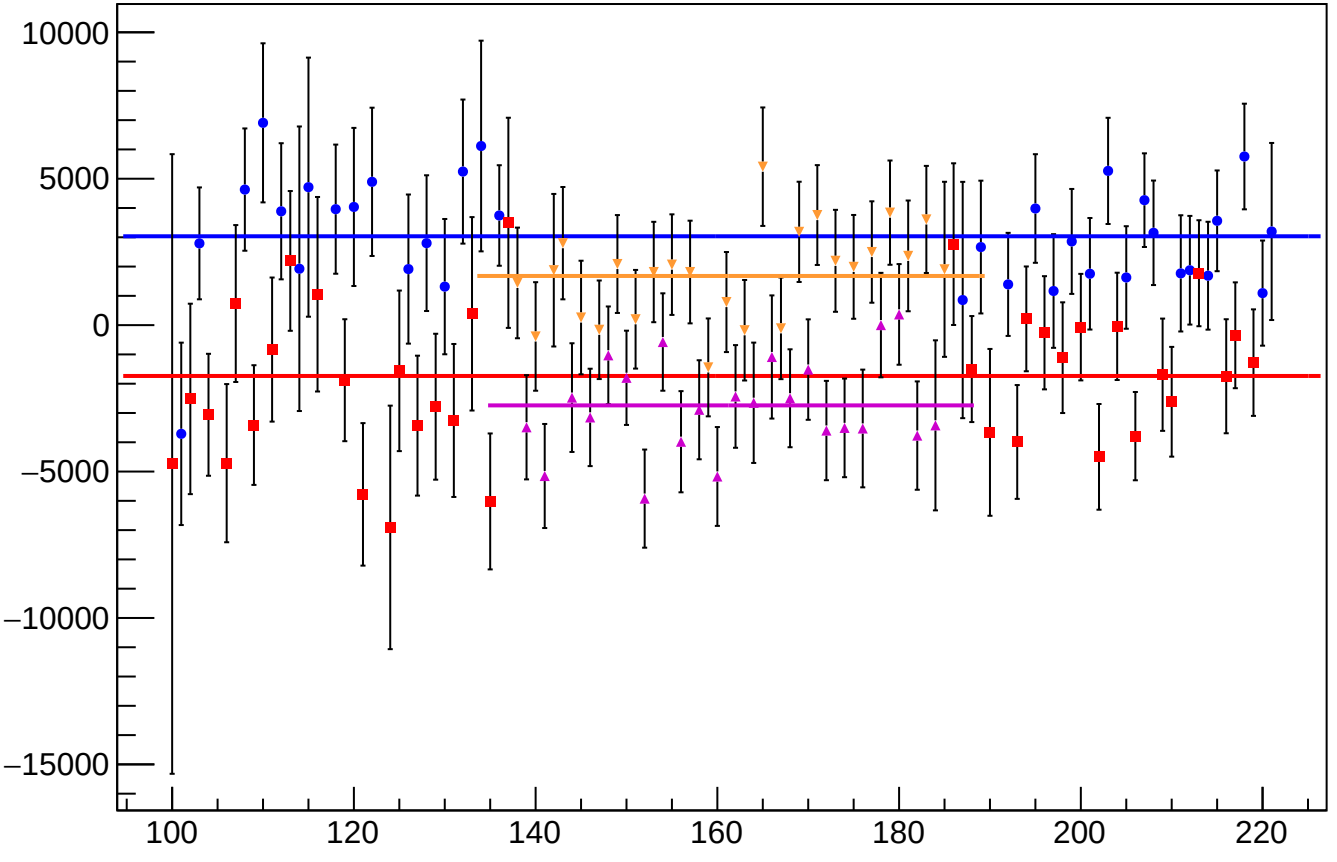
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 4933.785+/-0.593 χ^2/NDF: 12552465.1/58

All: 5244.127+/-0.441 χ^2/NDF: 19234907.5/1

- sign 5628.764+/-0.660 χ^2/NDF: 6069527.9/58

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3034.469+/-362.955 χ^2/NDF: 21.5/33

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1735.764+/-365.751 χ^2/NDF: 35.0/35

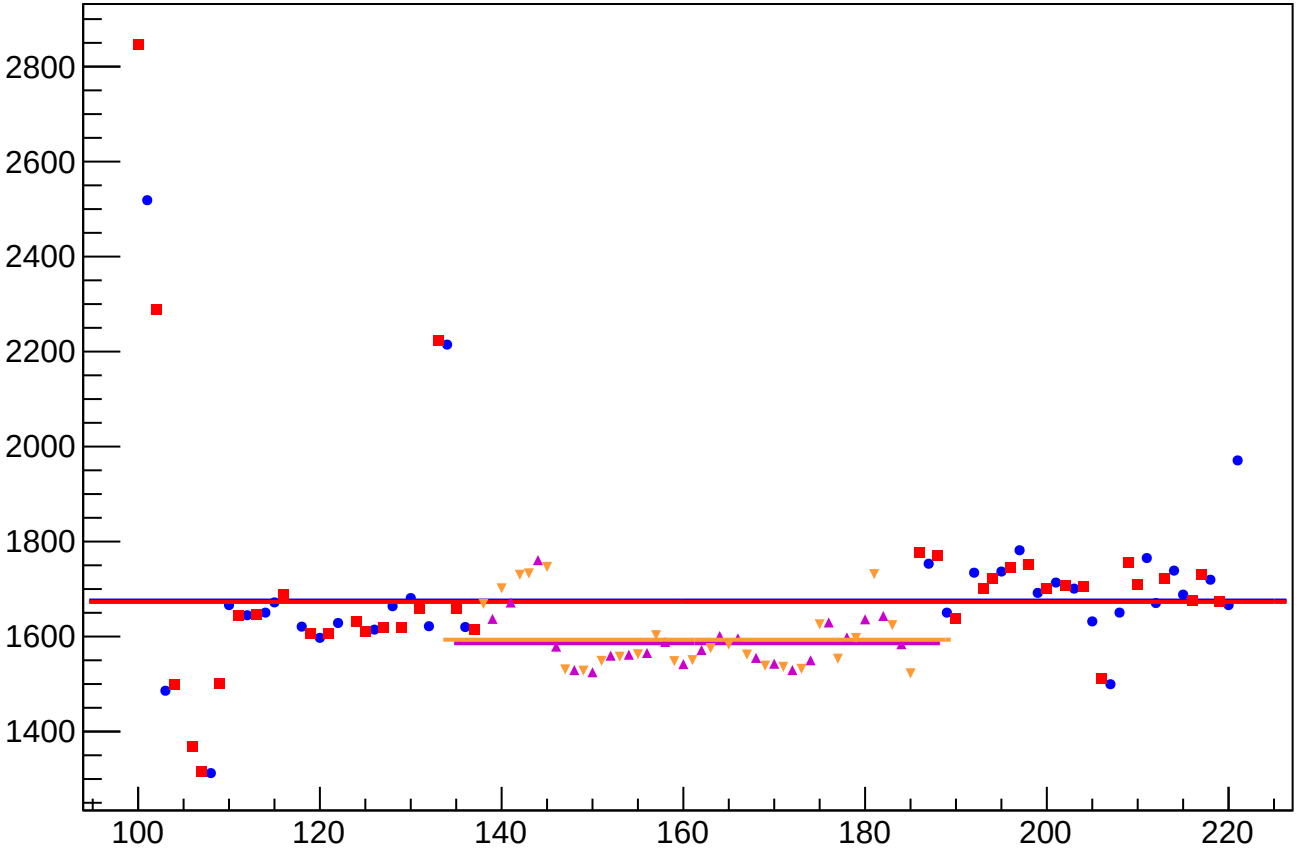
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2355.759+/-256.449 χ^2/NDF: 47.4/58

All: 96.483+/-182.691 χ^2/NDF: 262.9/117

- sign -2231.592+/-260.324 χ^2/NDF: 57.9/58

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1675.826+/-0.257 χ^2/NDF: 345503.1/33

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

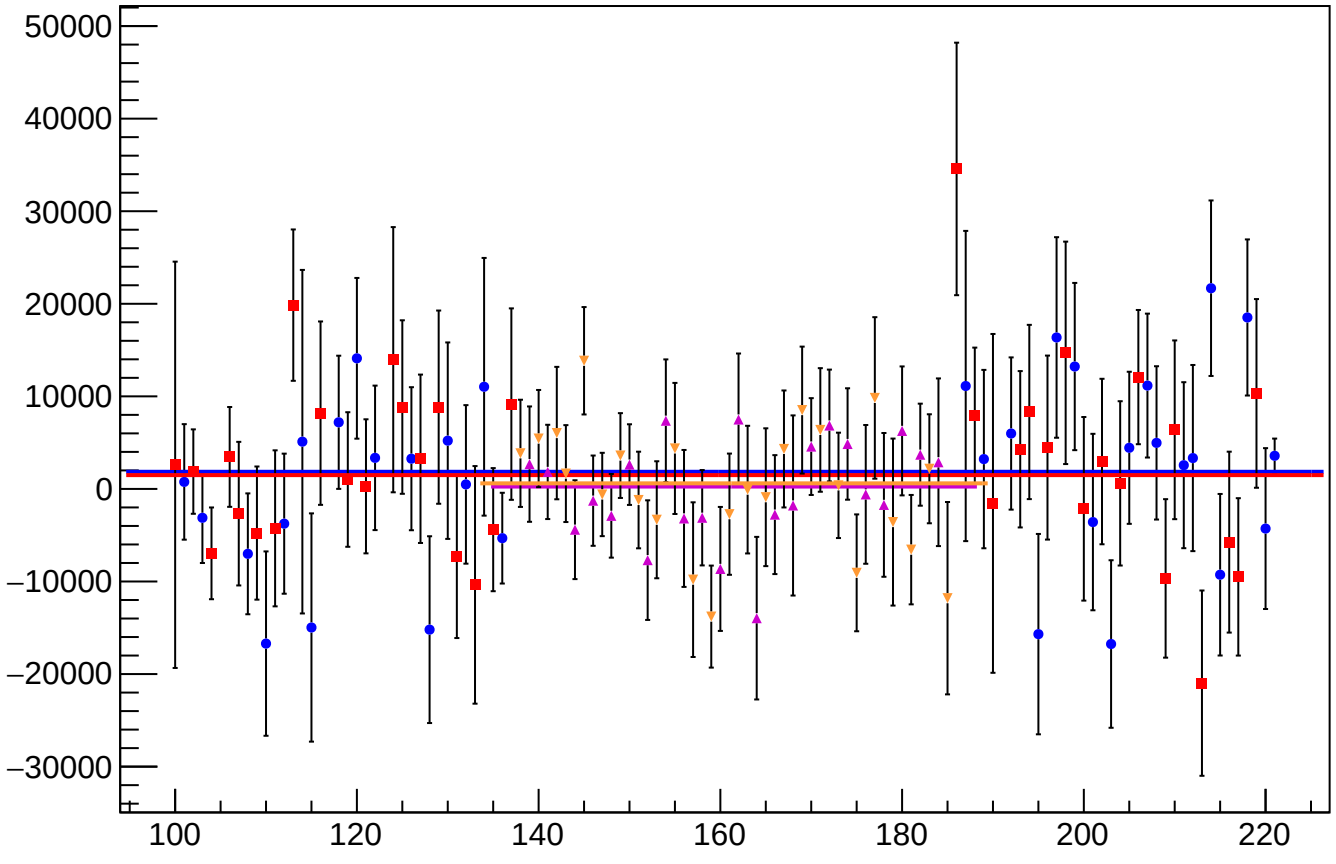
Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1634.543+/-0.181 χ^2/NDF: 469046.7/58

All: 1632.303+/-0.129 χ^2/NDF: 866087.9/117

- sign 1629.996+/-0.184 χ^2/NDF: 396731.5/58



Right In: 1851.424+/-1144.289 χ^2/NDF: 41.1/33

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

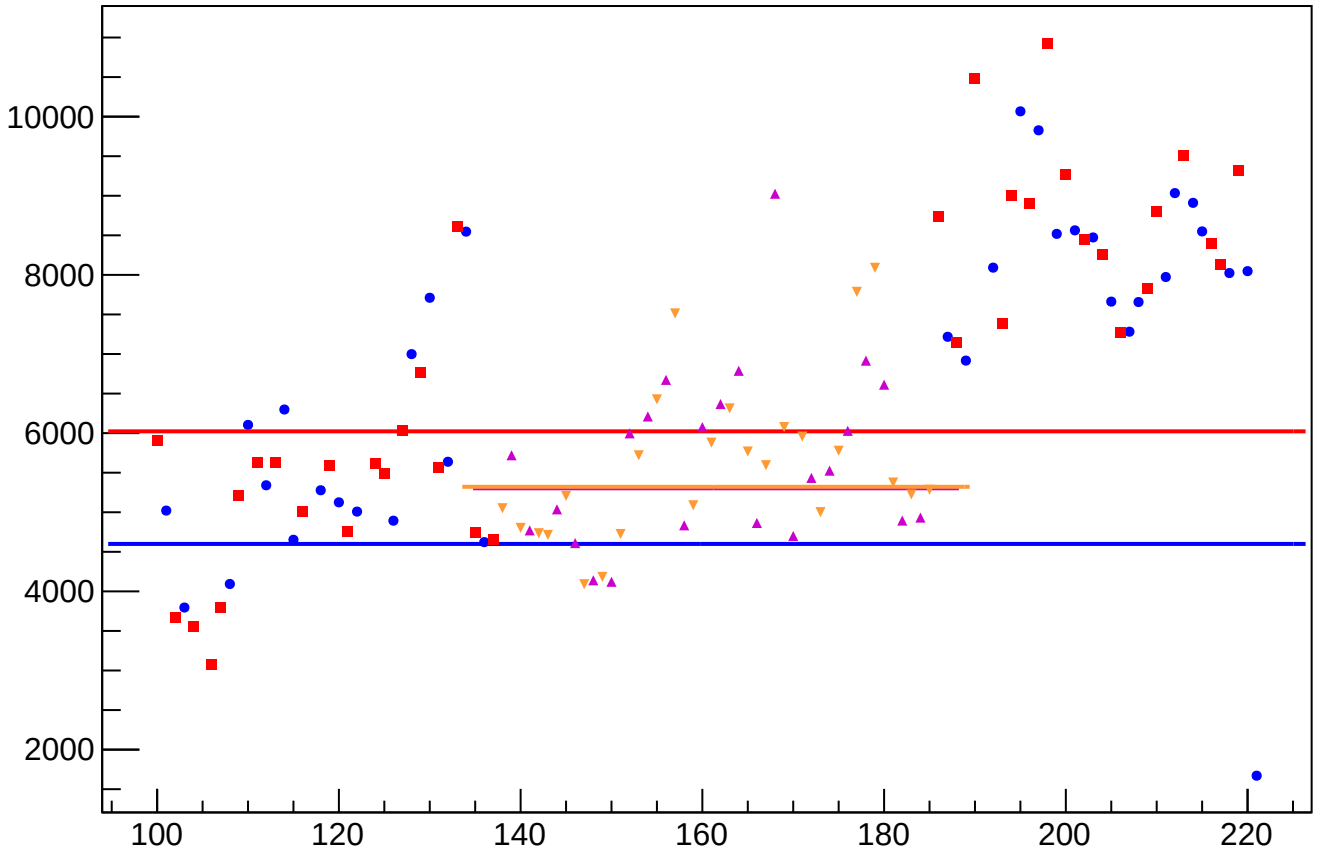
Right Out: 1491.179+/-1387.892 χ^2/NDF: 36.1/35

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 1273.469+/-838.921 χ^2/NDF: 67.7/58

All: 1068.868+/-624.110 χ^2/NDF: 119.0/117

- sign 815.285+/-933.957 χ^2/NDF: 51.2/58



Right In: 4599.762+/-0.809 χ^2/NDF: 11147012.3/33

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

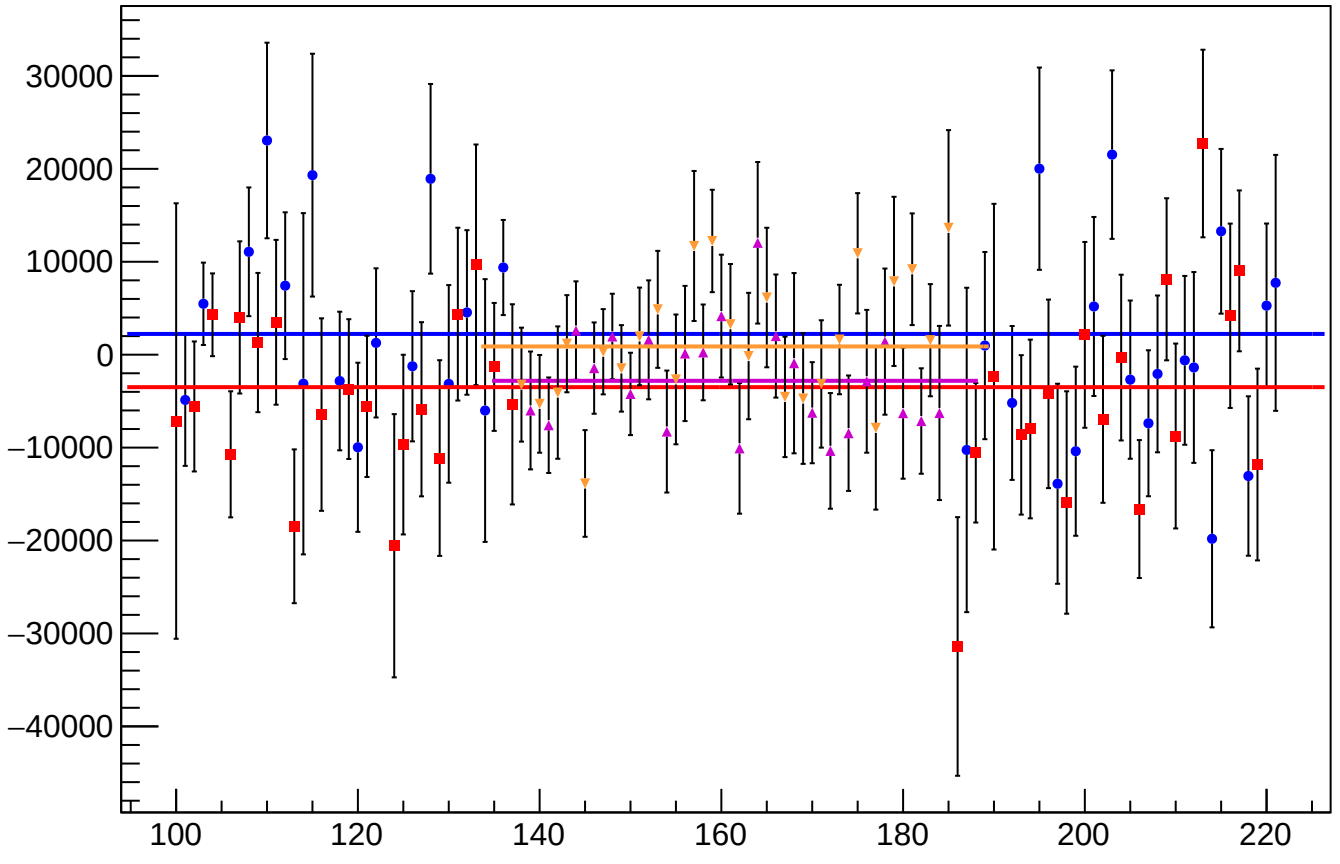
Right Out: 6022.563+/-0.981 χ^2/NDF: 4622892.9/35

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 4933.788+/-0.593 χ^2/NDF: 12552490.8/58

All: 5244.129+/-0.441 χ^2/NDF: 19234947.4/1

- sign 5628.768+/-0.660 χ^2/NDF: 6069541.2/58



Right In: 2233.065+/-1471.960 χ^2/NDF: 42.5/33

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3494.147+/-1461.684 χ^2/NDF: 36.4/35

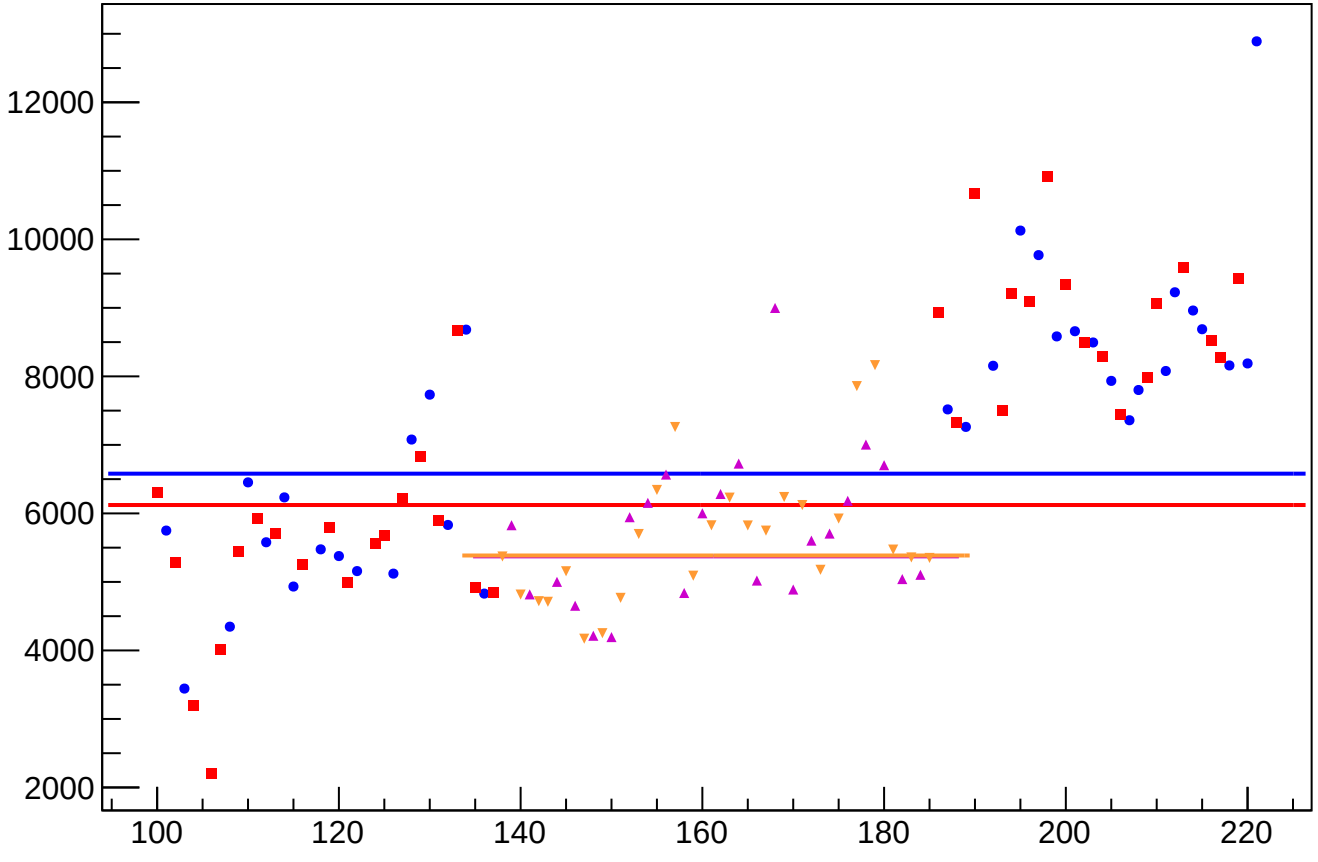
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1448.273+/-951.244 χ^2/NDF: 68.7/58

All: -804.081+/-676.325 χ^2/NDF: 131.2/117

- sign -3106.604+/-961.779 χ^2/NDF: 51.2/58

asym_usr_atr2_avg_rms vs Slug



Right In: 6579.979+/-1.041 χ^2/NDF: 3675274.2/33

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

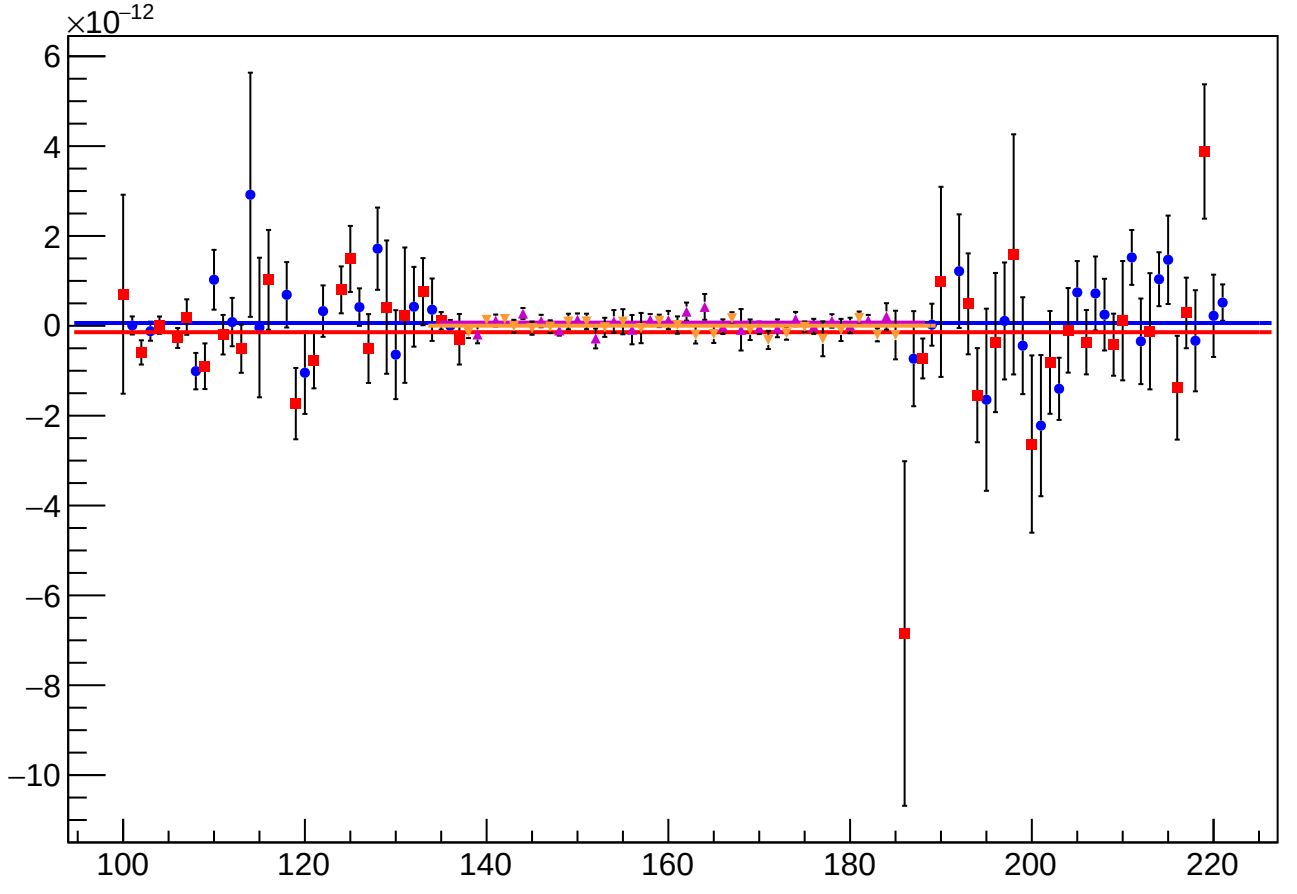
Right Out: 6122.424+/-1.009 χ^2/NDF: 5142097.8/35

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5884.440+/-0.673 χ^2/NDF: 5429164.9/58

All: 5795.375+/-0.476 χ^2/NDF: 11984506.4/1

- sign 5706.217+/-0.673 χ^2/NDF: 6520257.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

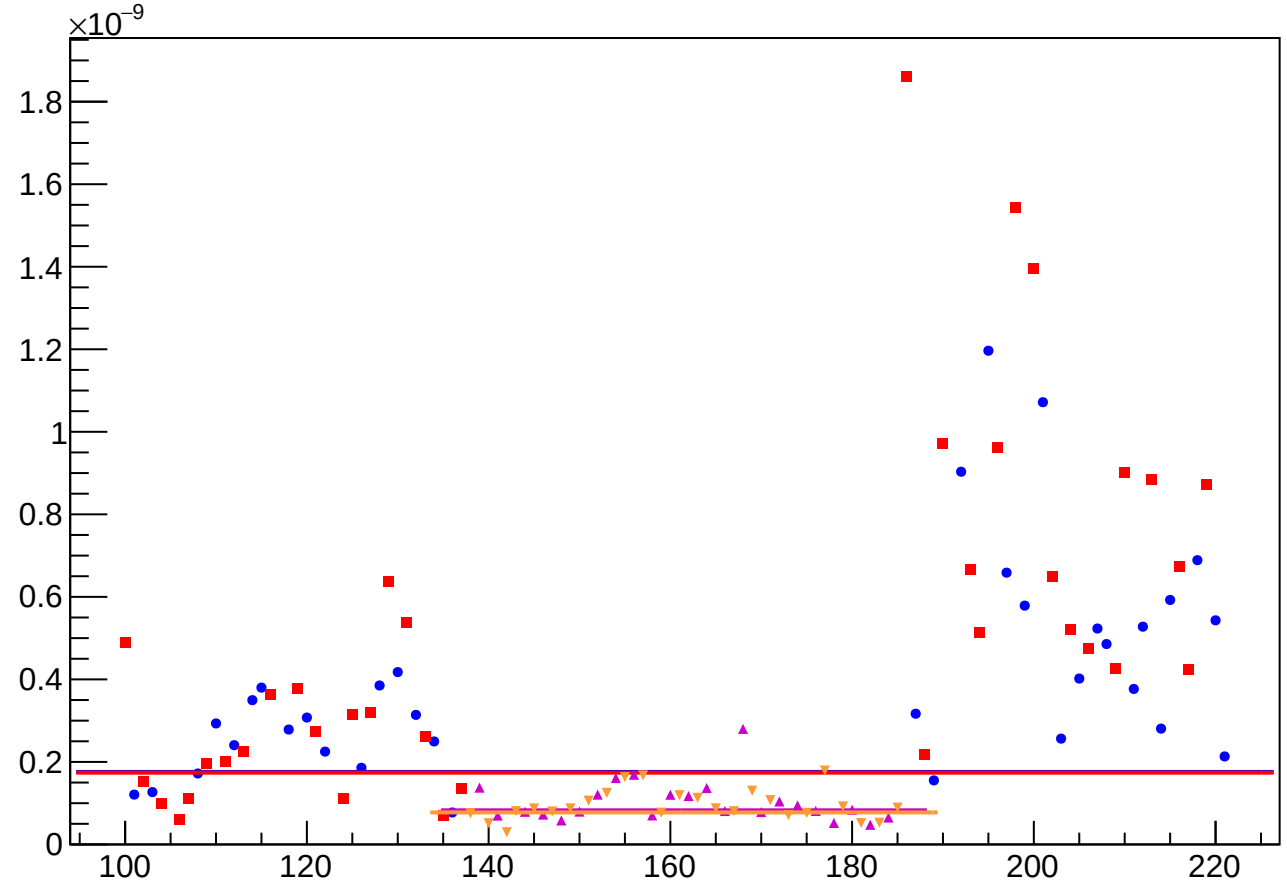
Right Out: -0.000+/-0.000 χ^2/NDF: 43.8/35

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.9/58

All: 0.000+/-0.000 χ^2/NDF: 125.6/117

- sign 0.000+/-0.000 χ^2/NDF: 65.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 6858349.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8825827.0/35

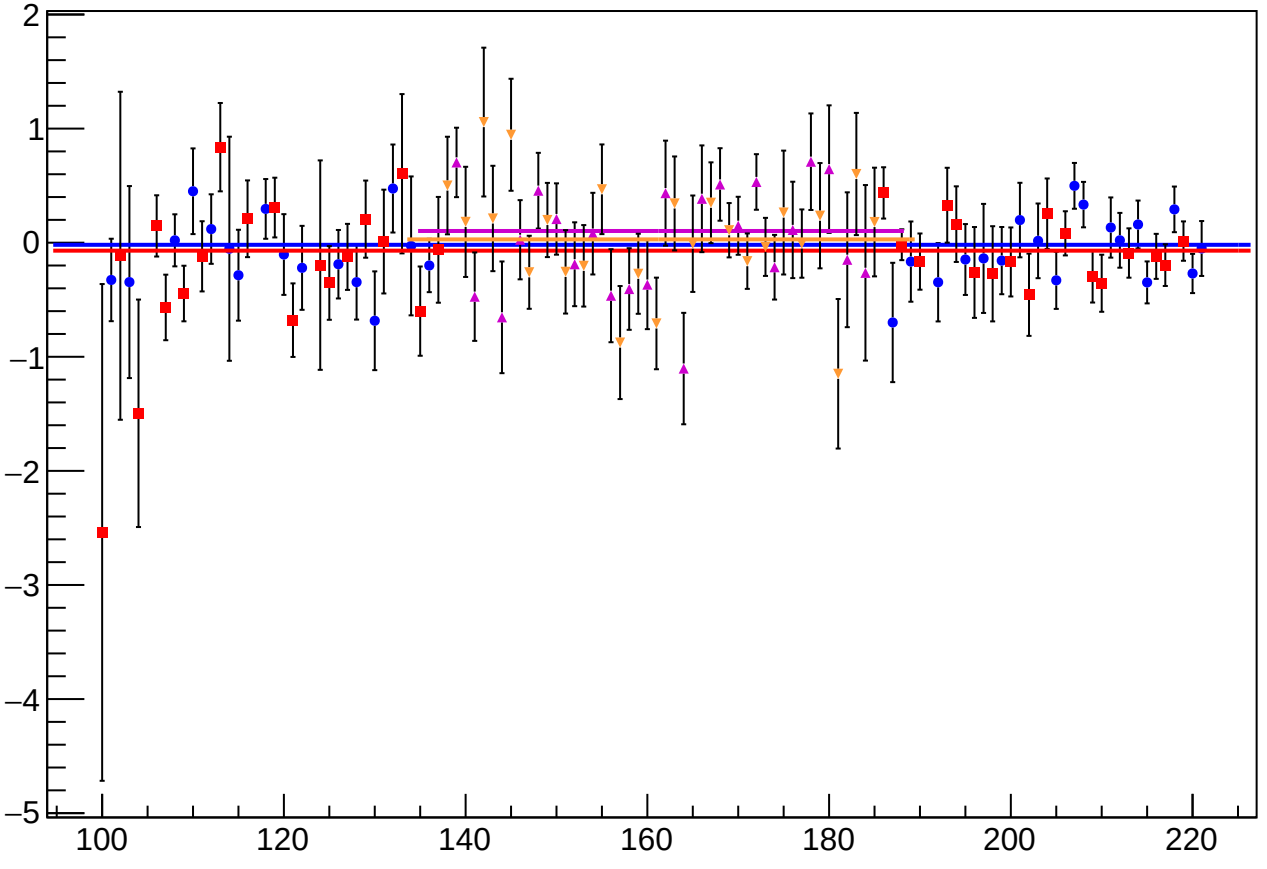
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11219539.1/58

All: 0.000+/-0.000 χ^2/NDF: 23649449.0/117

- sign 0.000+/-0.000 χ^2/NDF: 12411330.8/58

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

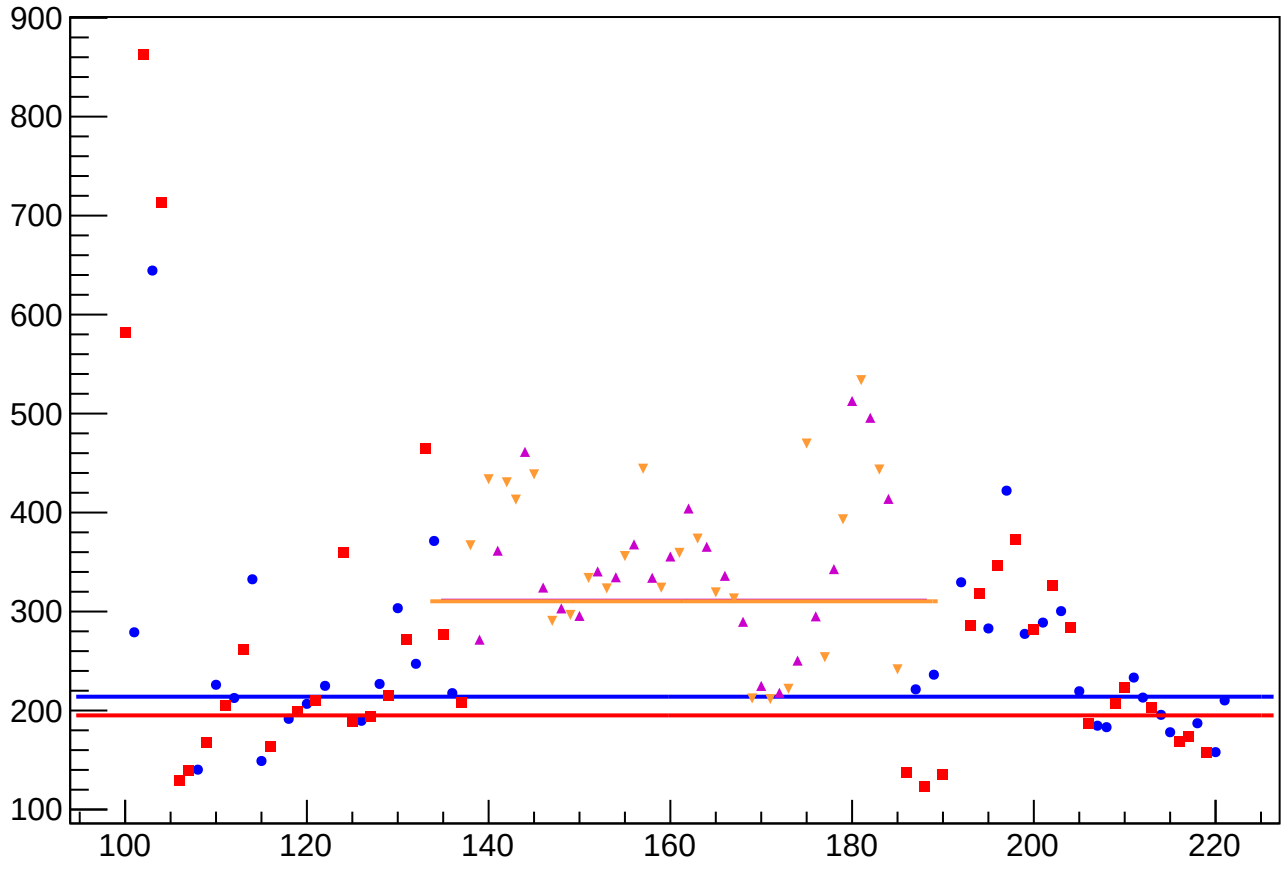
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.014+/-0.028 χ^2/NDF: 135.8/117

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 213.976+/-0.034 χ^2/NDF: 2642149.7/33

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

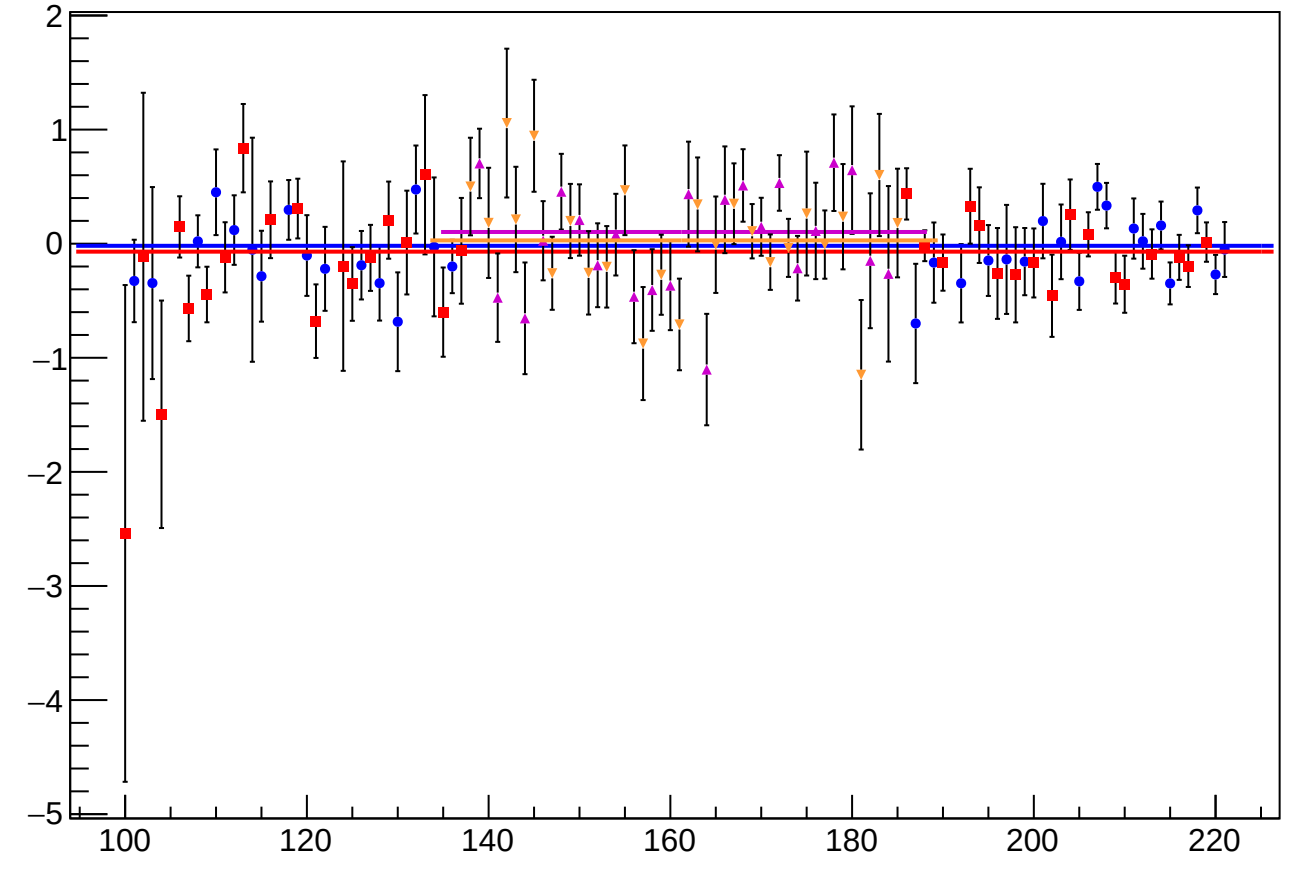
Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 242.432+/-0.029 χ^2/NDF: 7353860.8/58

All: 234.128+/-0.020 χ^2/NDF: 17046975.3/11

- sign 226.240+/-0.028 χ^2/NDF: 9529744.0/58



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

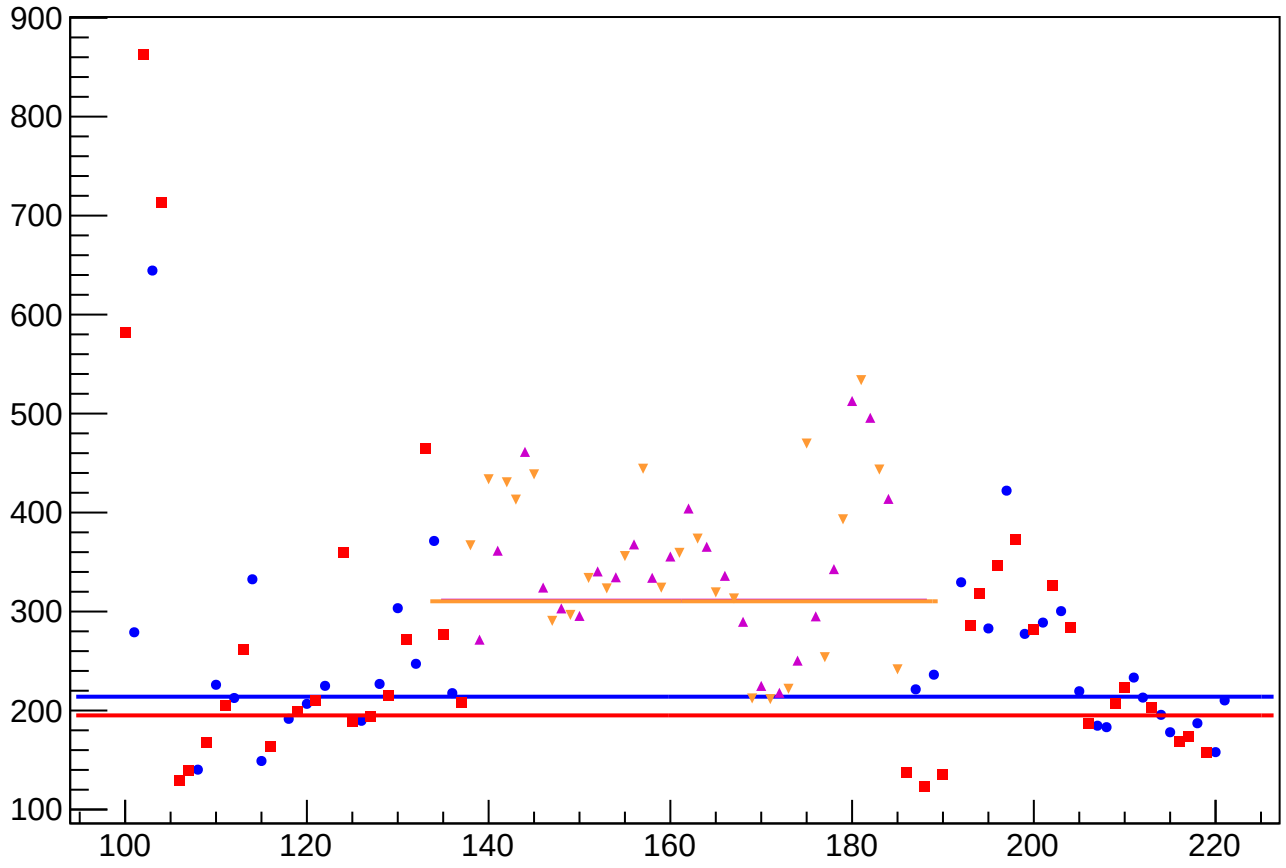
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.014+/-0.028 χ^2/NDF: 135.8/117

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 213.976+/-0.034 χ^2/NDF: 2642149.7/33

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

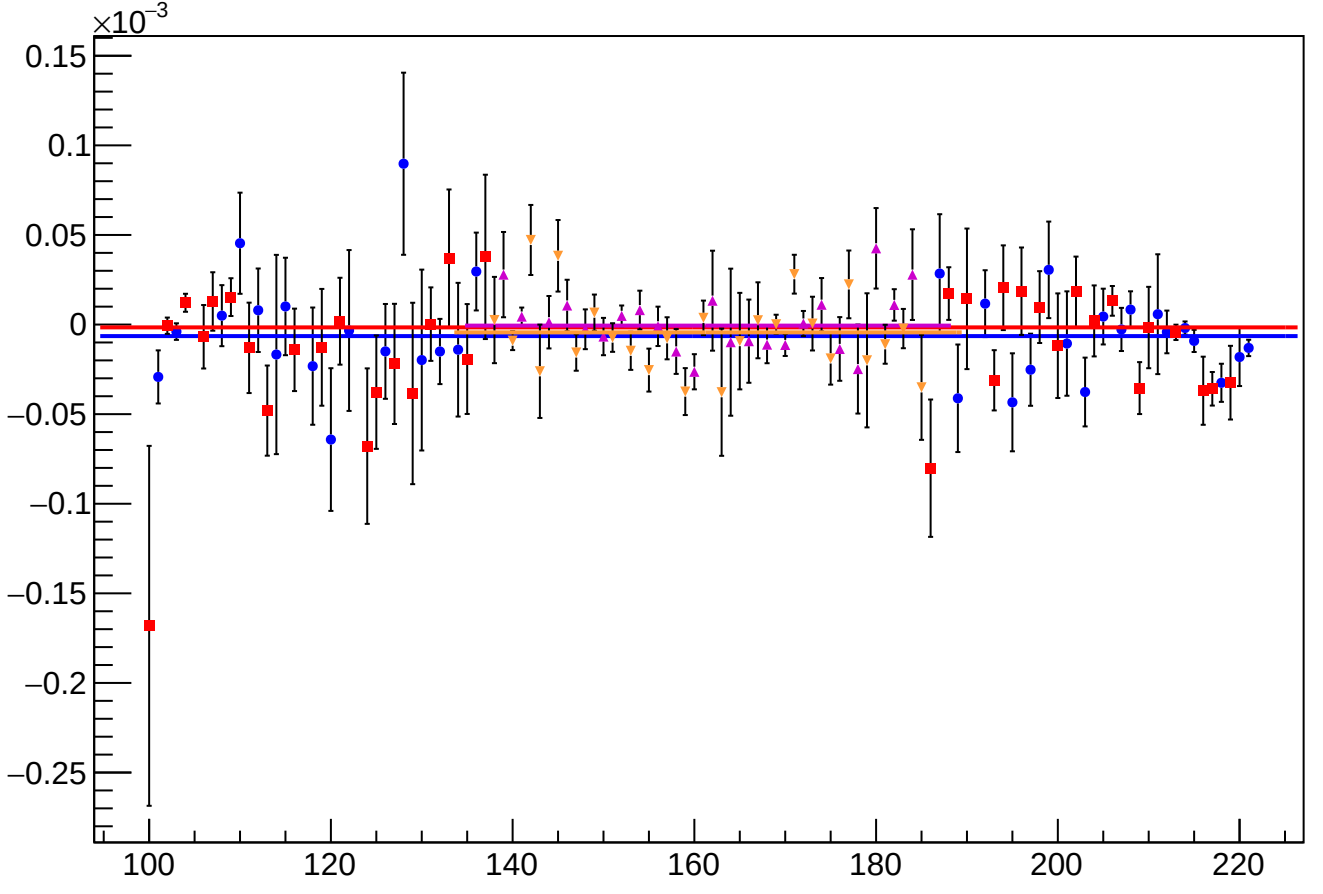
Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 242.432+/-0.029 χ^2/NDF: 7353860.8/58

All: 234.128+/-0.020 χ^2/NDF: 17046975.3/11

- sign 226.240+/-0.028 χ^2/NDF: 9529744.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

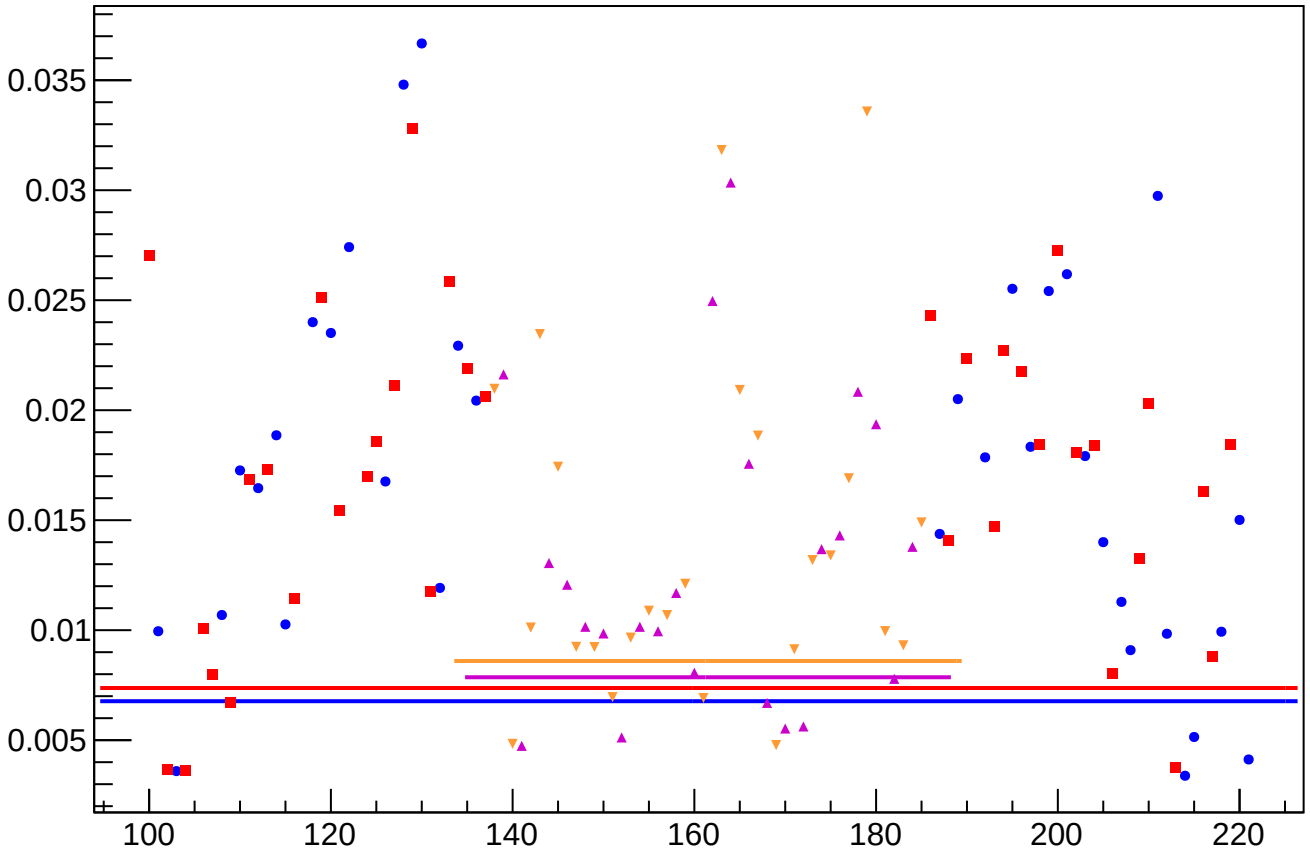
Right Out: -0.000+/-0.000 χ^2/NDF: 64.7/35

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.0/58

All: -0.000+/-0.000 χ^2/NDF: 178.9/117

- sign -0.000+/-0.000 χ^2/NDF: 91.3/58



Right In: 0.007+/-0.000 χ^2/NDF: 16592287.0/33

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

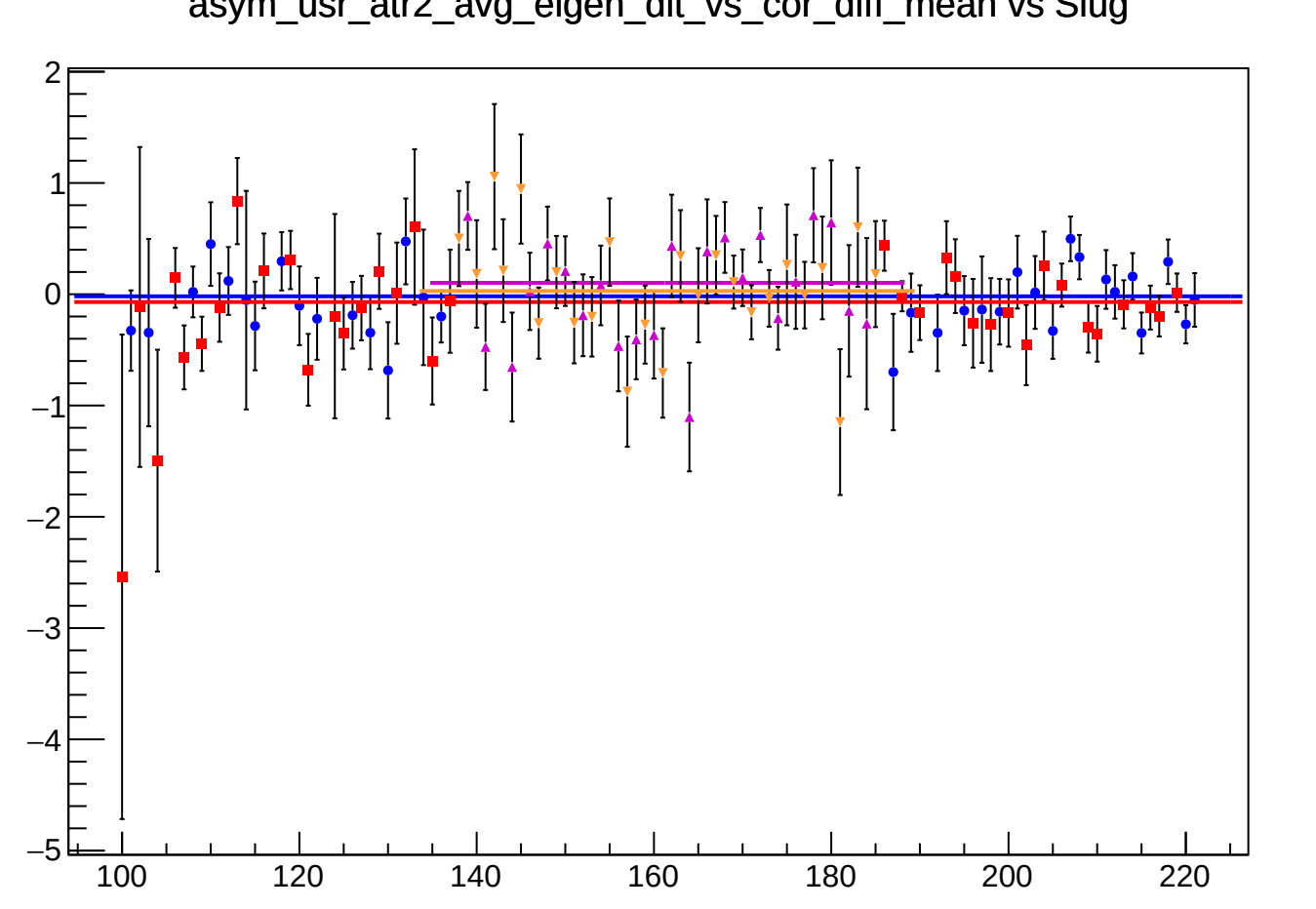
Right Out: 0.007+/-0.000 χ^2/NDF: 15656523.3/35

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 25012057.7/58

All: 0.008+/-0.000 χ^2/NDF: 47504050.2/117

- sign 0.008+/-0.000 χ^2/NDF: 22489957.1/58



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

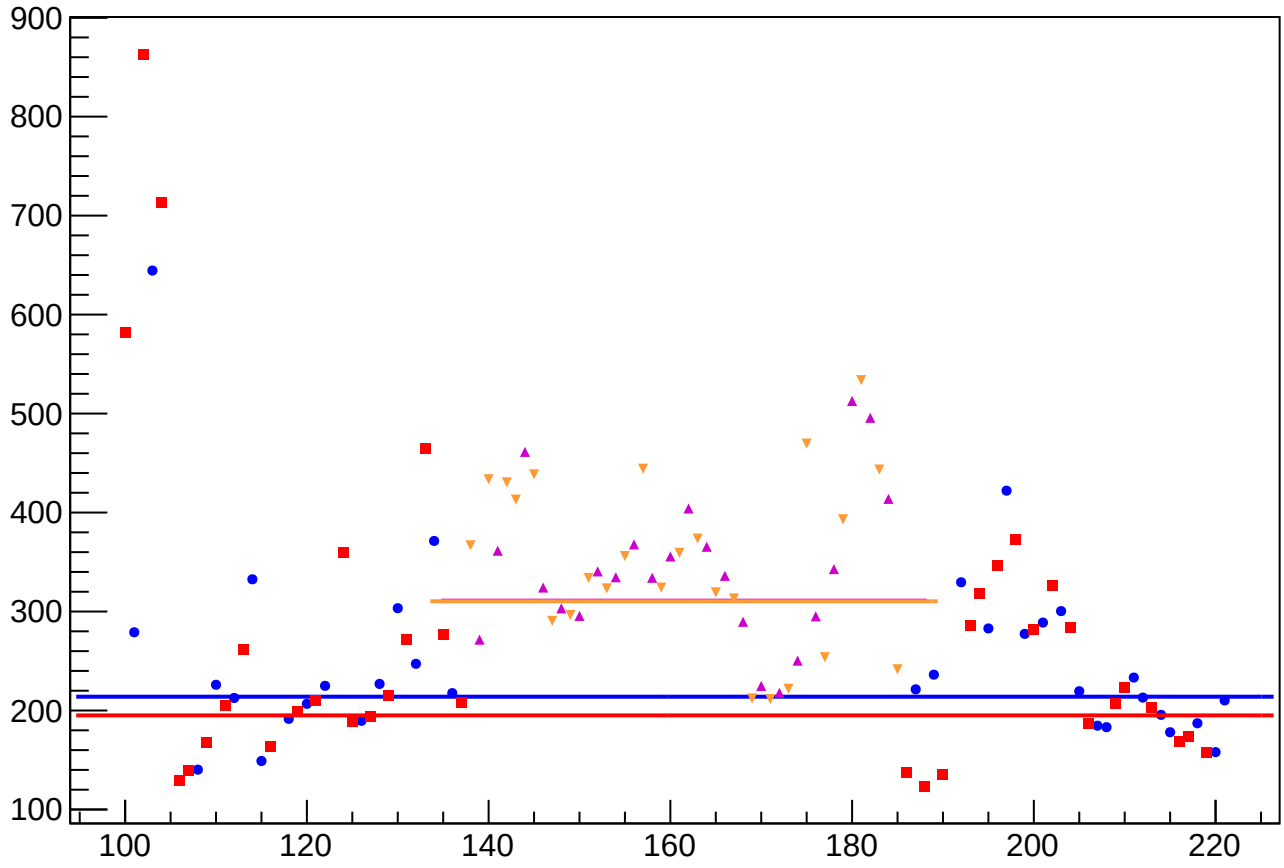
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.014+/-0.028 χ^2/NDF: 135.8/117

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 213.975+/-0.034 χ^2/NDF: 2642156.4/33

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

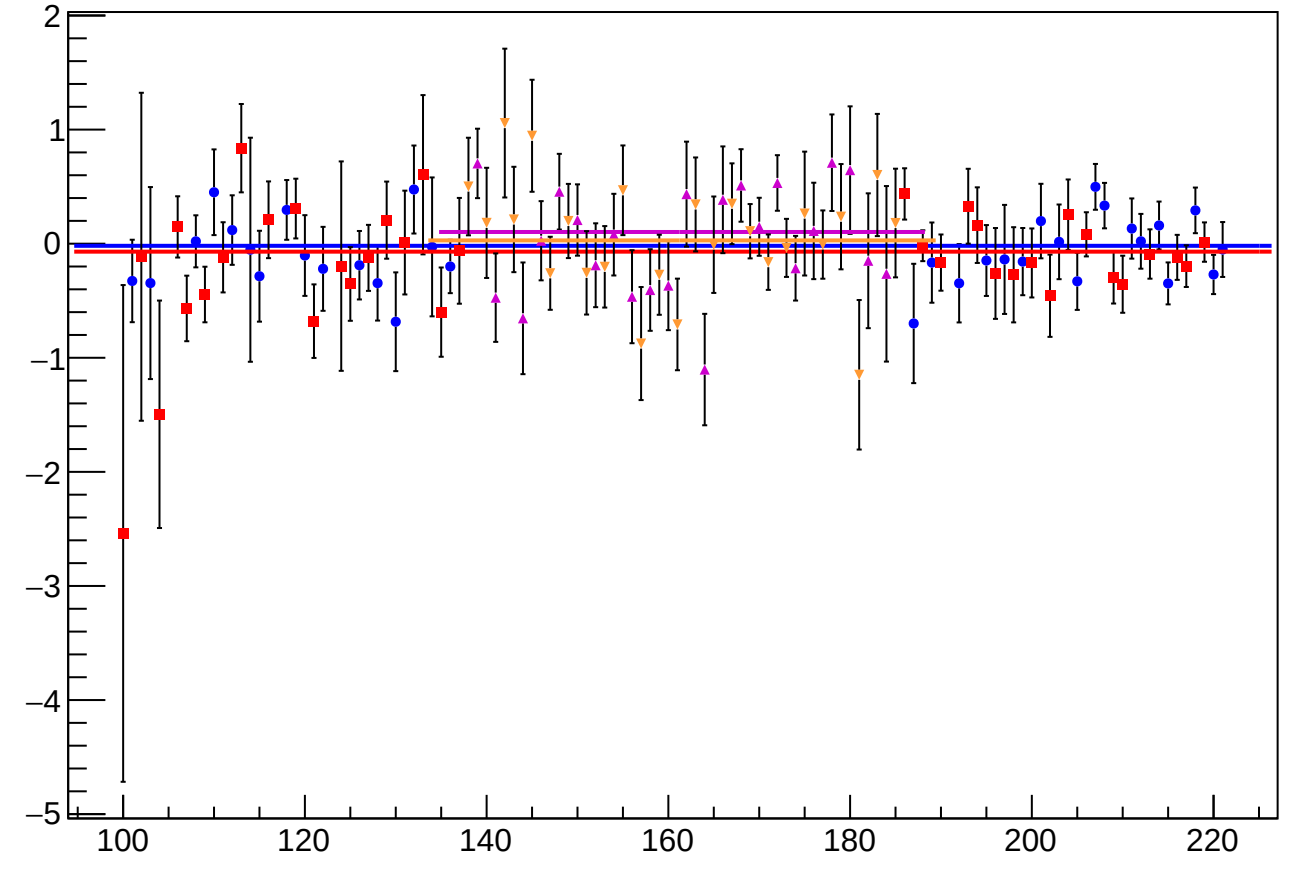
Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 242.432+/-0.029 χ^2/NDF: 7354074.3/58

All: 234.128+/-0.020 χ^2/NDF: 17047606.8/11

- sign 226.239+/-0.028 χ^2/NDF: 9530137.5/58



Right In: -0.019+/-0.048 χ^2/NDF: 34.7/33

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

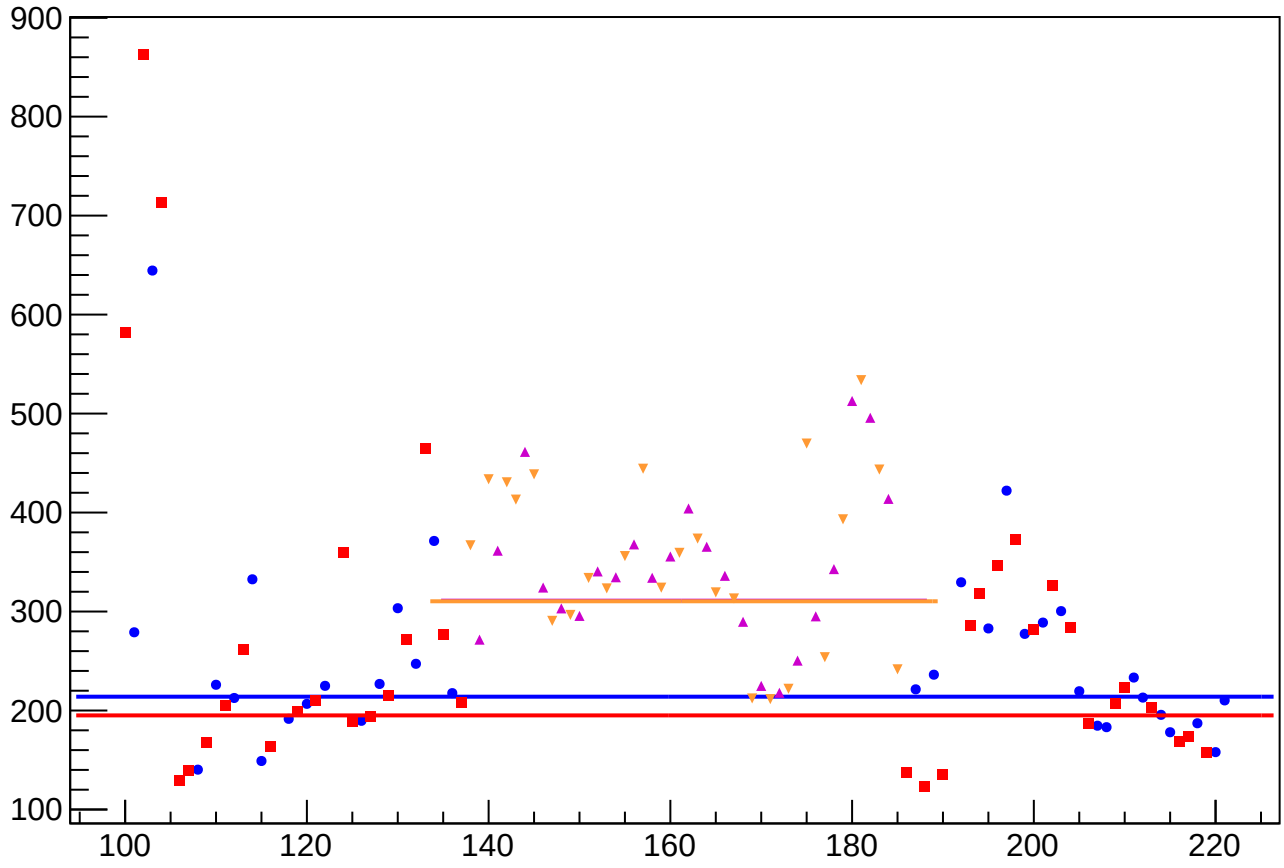
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.005+/-0.041 χ^2/NDF: 60.3/58

All: -0.014+/-0.028 χ^2/NDF: 135.8/117

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 213.975+/-0.034 χ^2/NDF: 2642156.4/33

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

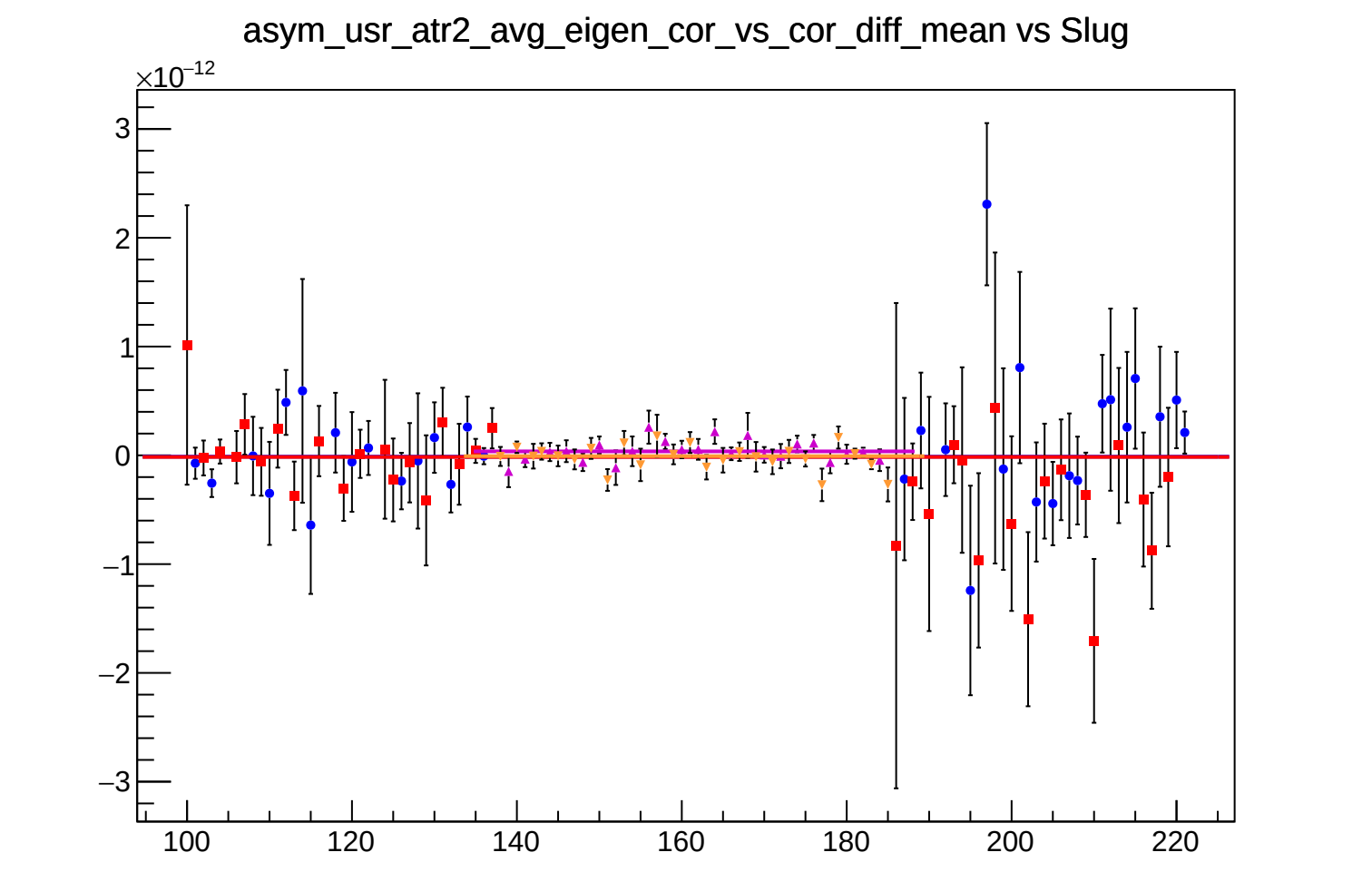
Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 242.432+/-0.029 χ^2/NDF: 7354074.3/58

All: 234.128+/-0.020 χ^2/NDF: 17047606.8/11

- sign 226.239+/-0.028 χ^2/NDF: 9530137.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

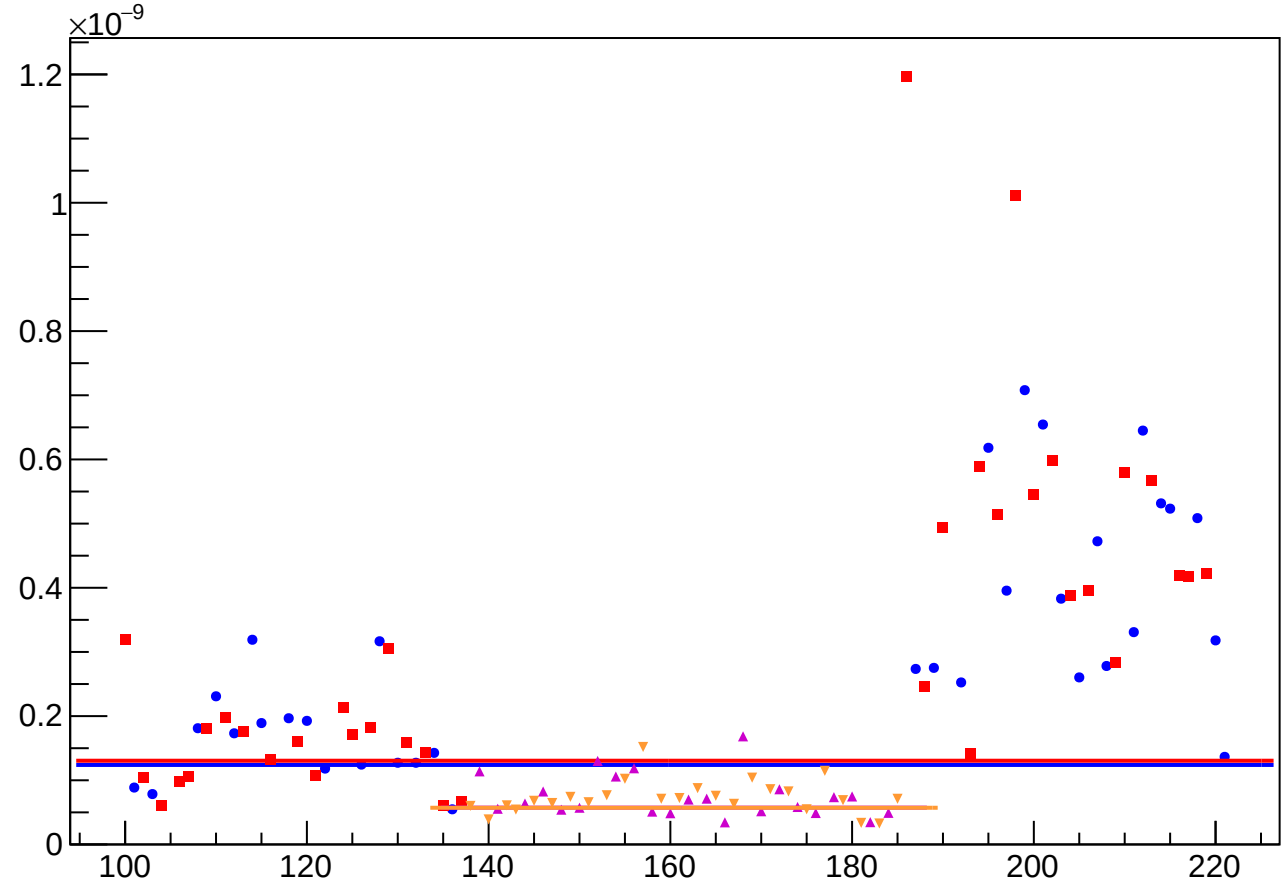
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/58

All: 0.000+/-0.000 χ^2/NDF: 103.8/117

- sign 0.000+/-0.000 χ^2/NDF: 42.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 10963204.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10725358.3/35

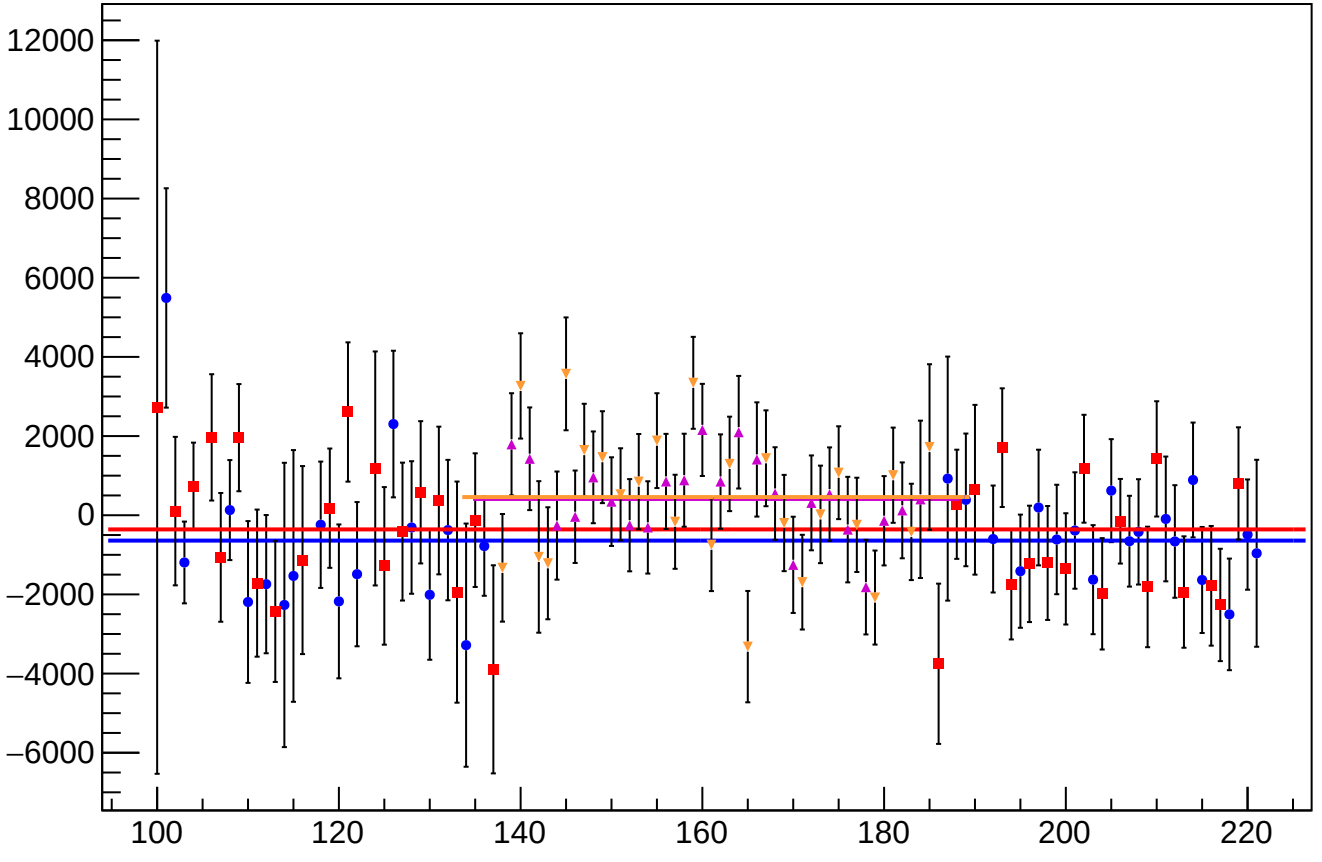
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18057707.3/58

All: 0.000+/-0.000 χ^2/NDF: 36061925.1/117

- sign 0.000+/-0.000 χ^2/NDF: 18003935.6/58

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -640.864+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -357.864+/-266.606 χ^2/NDF: 31.5/35

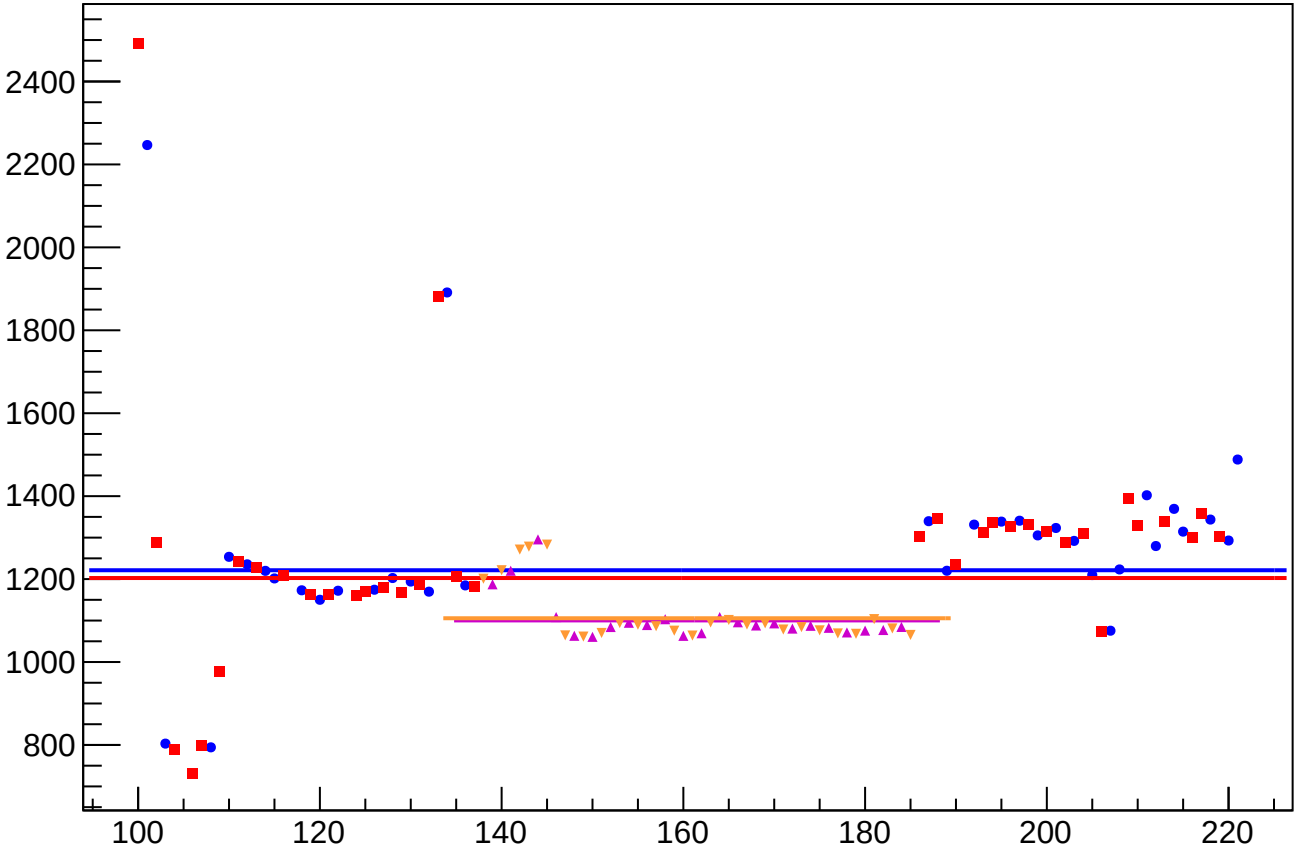
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign -57.695+/-183.178 χ^2/NDF: 69.1/58

All: -9.109+/-130.202 χ^2/NDF: 118.7/117

- sign 40.504+/-185.104 χ^2/NDF: 49.4/58

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1221.347+/-0.189 χ^2/NDF: 1141339.6/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1202.555+/-0.188 χ^2/NDF: 1103367.2/35

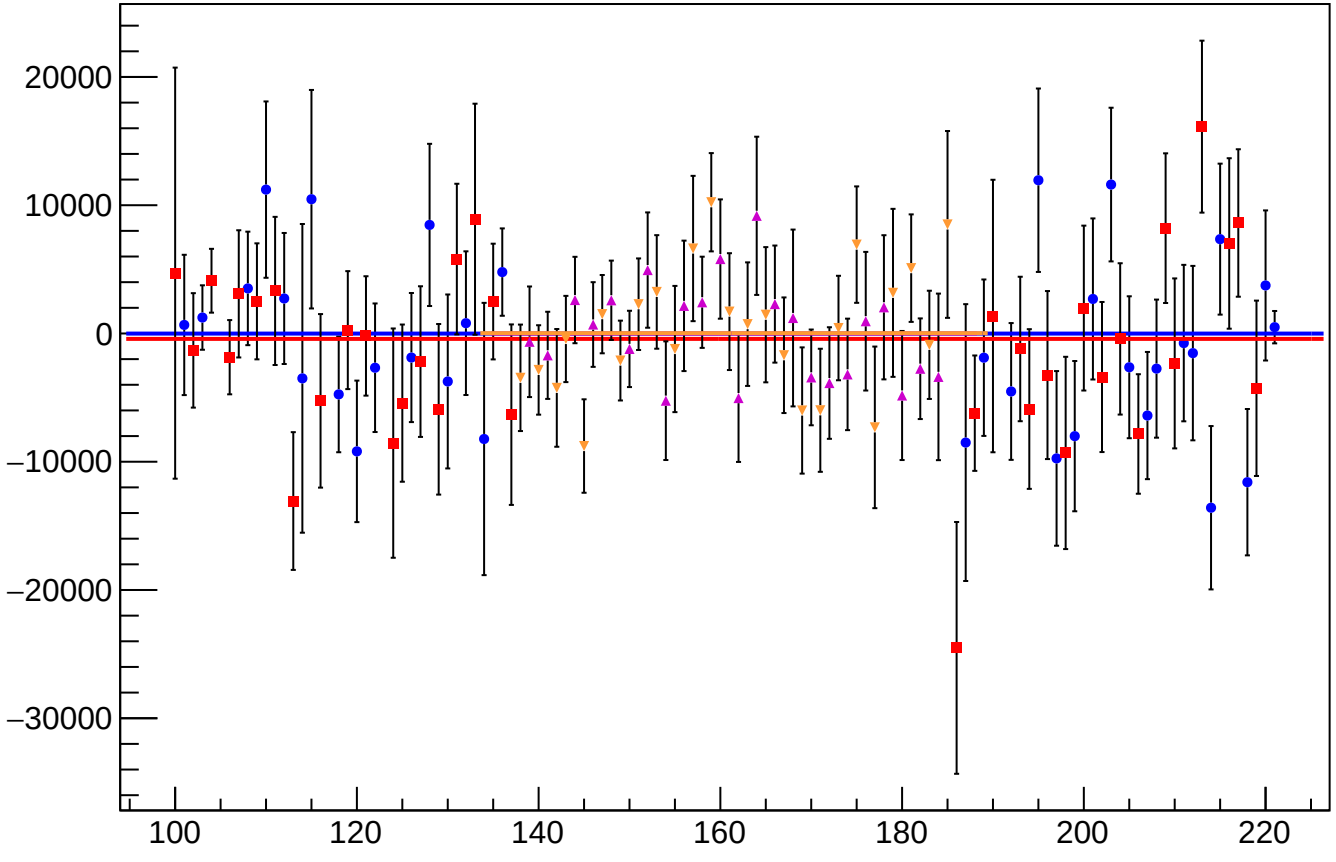
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1159.937+/-0.130 χ^2/NDF: 1462369.1/58

All: 1154.911+/-0.092 χ^2/NDF: 2801803.9/11

- sign 1149.797+/-0.131 χ^2/NDF: 1336397.5/58

asym_usr_atr2_dd_reg_correction_mean vs Slug



Right In: -8.478+/-756.016 χ^2/NDF: 39.5/33

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -422.480+/-894.446 χ^2/NDF: 42.1/35

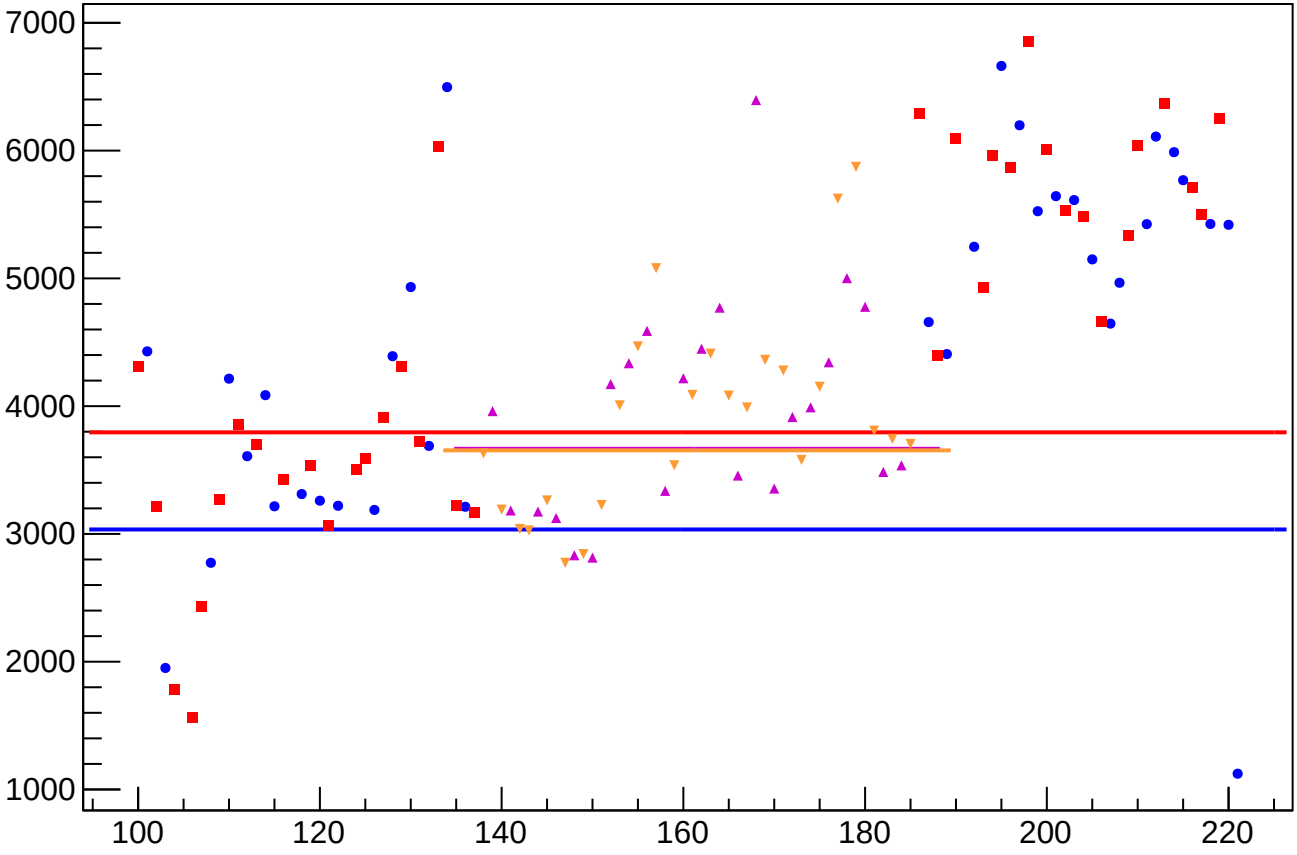
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 5.581+/-565.020 χ^2/NDF: 68.0/58

All: -91.222+/-419.308 χ^2/NDF: 124.3/117

- sign -209.886+/-625.574 χ^2/NDF: 56.3/58

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3034.949+/-0.535 χ^2/NDF: 11239999.9/33

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3795.073+/-0.632 χ^2/NDF: 5984356.9/35

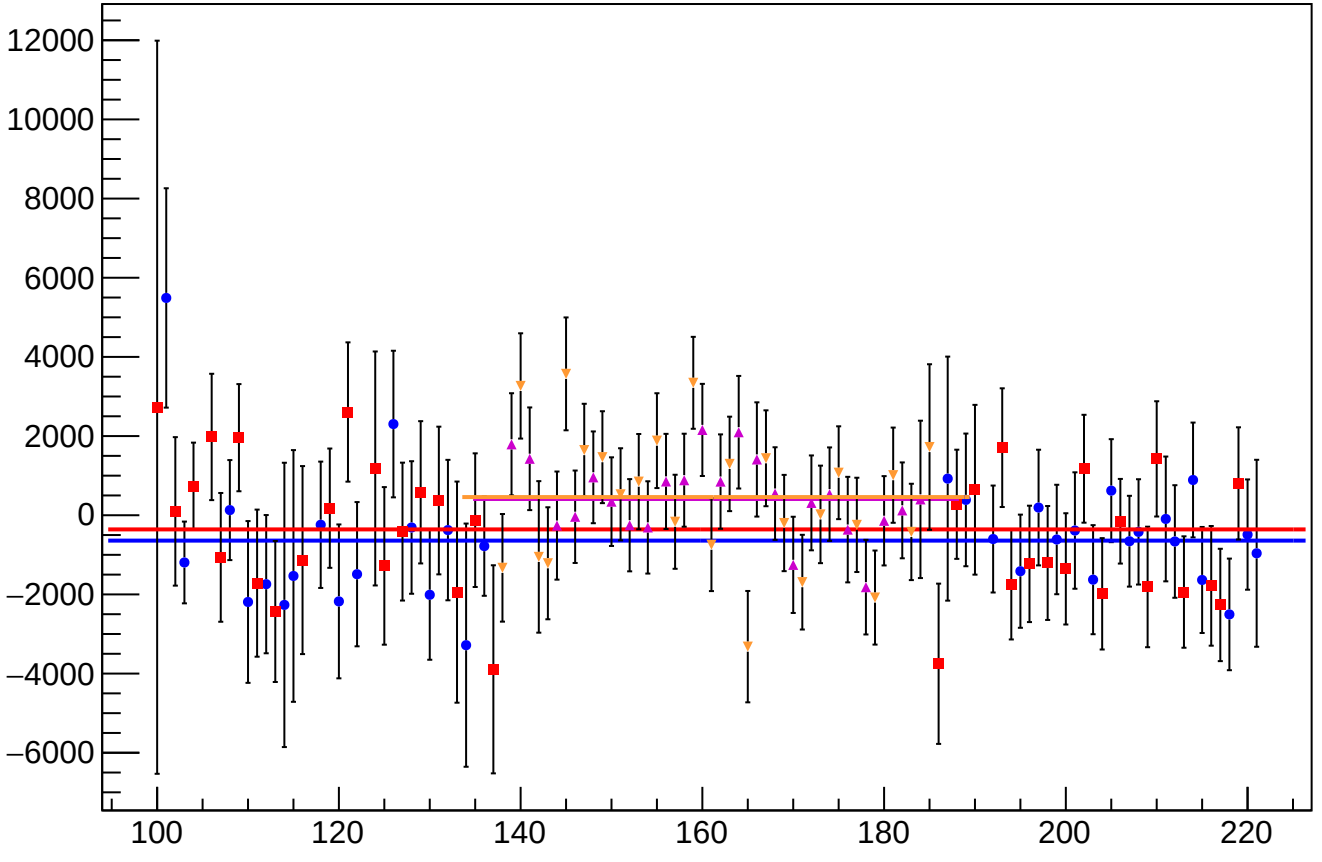
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3308.314+/-0.400 χ^2/NDF: 13144106.9/58

All: 3497.404+/-0.296 χ^2/NDF: 20991989.7/1

- sign 3729.197+/-0.442 χ^2/NDF: 7349302.9/58

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -640.878+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -357.729+/-266.607 χ^2/NDF: 31.5/35

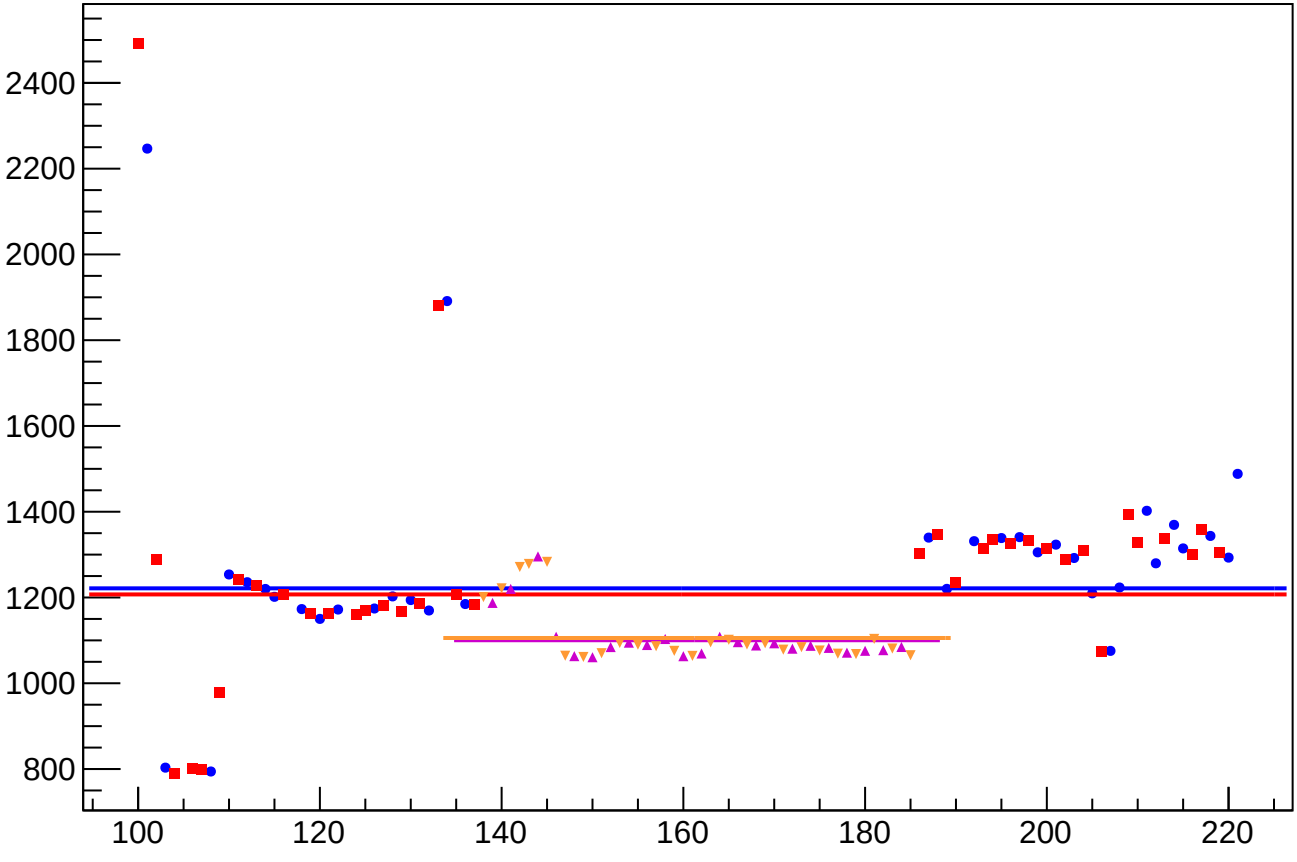
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -57.669+/-183.178 χ^2/NDF: 69.1/58

All: -9.088+/-130.202 χ^2/NDF: 118.7/117

- sign 40.520+/-185.105 χ^2/NDF: 49.5/58

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1221.348+/-0.189 χ^2/NDF: 1141334.7/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

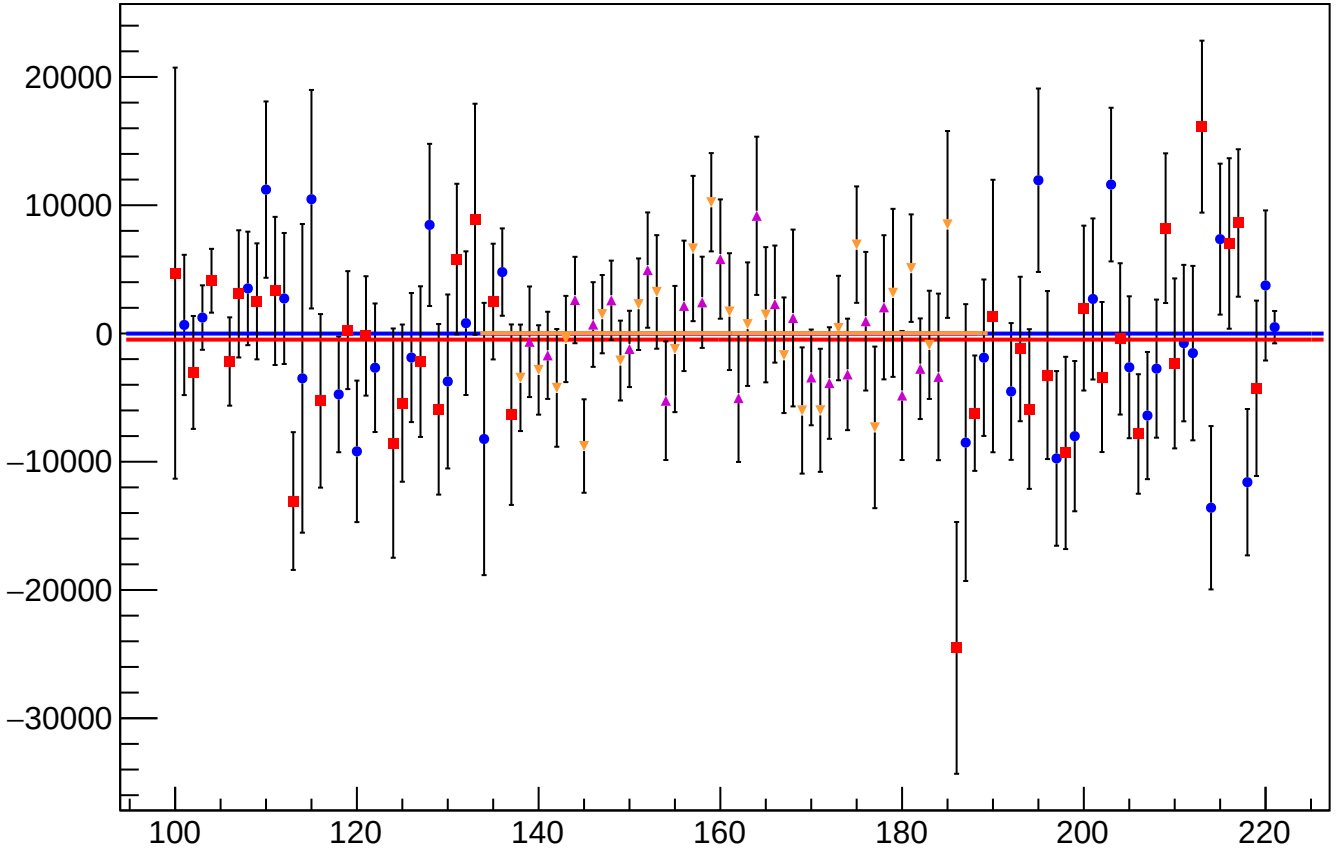
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1159.937+/-0.130 χ^2/NDF: 1462365.0/58

All: 1155.948+/-0.092 χ^2/NDF: 2729441.0/11

- sign 1151.877+/-0.131 χ^2/NDF: 1265159.5/58

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: -8.301+/-755.931 χ^2/NDF: 39.5/33

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -478.649+/-906.728 χ^2/NDF: 42.5/35

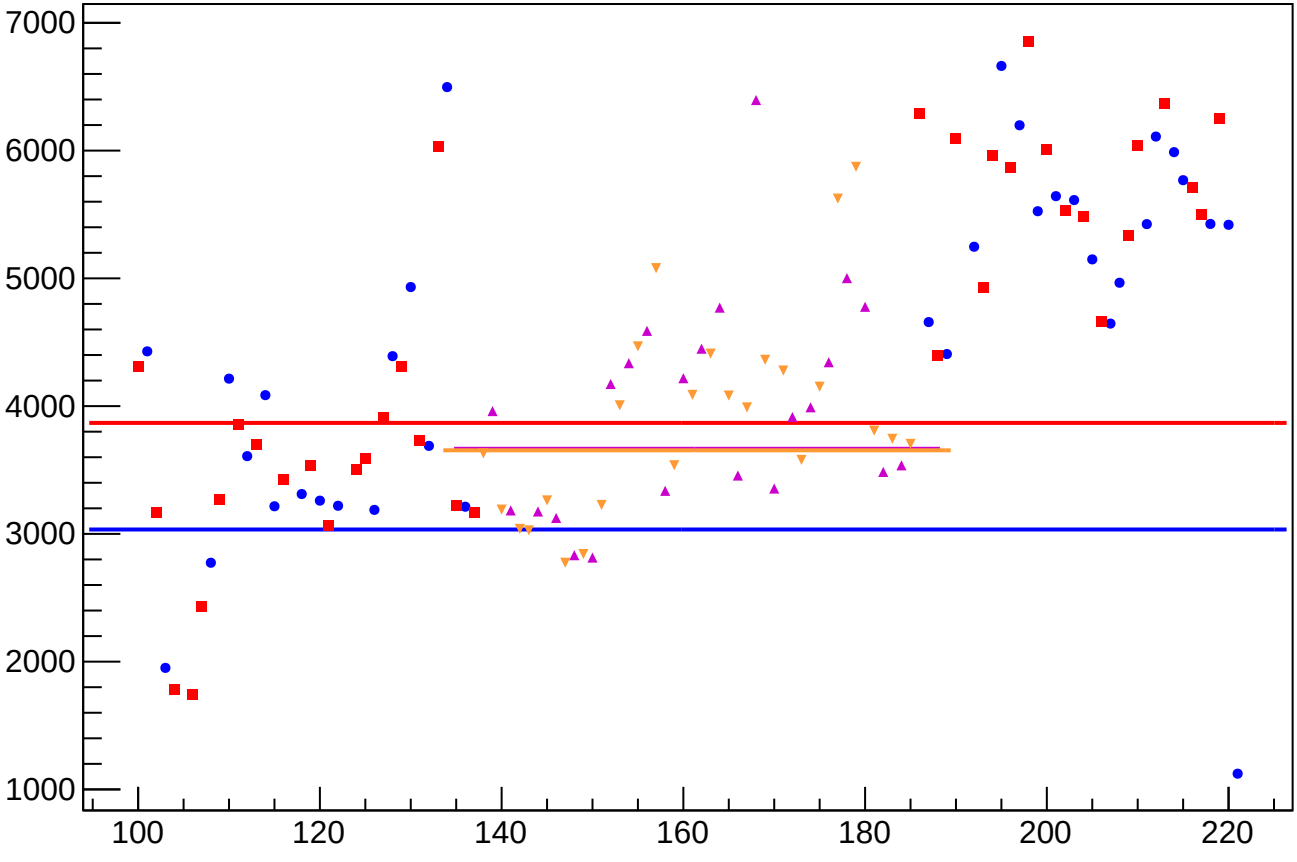
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 5.676+/-564.984 χ^2/NDF: 68.0/58

All: -101.287+/-420.538 χ^2/NDF: 124.7/117

- sign -234.170+/-629.731 χ^2/NDF: 56.6/58

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3034.359+/-0.535 χ^2/NDF: 11245134.2/33

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

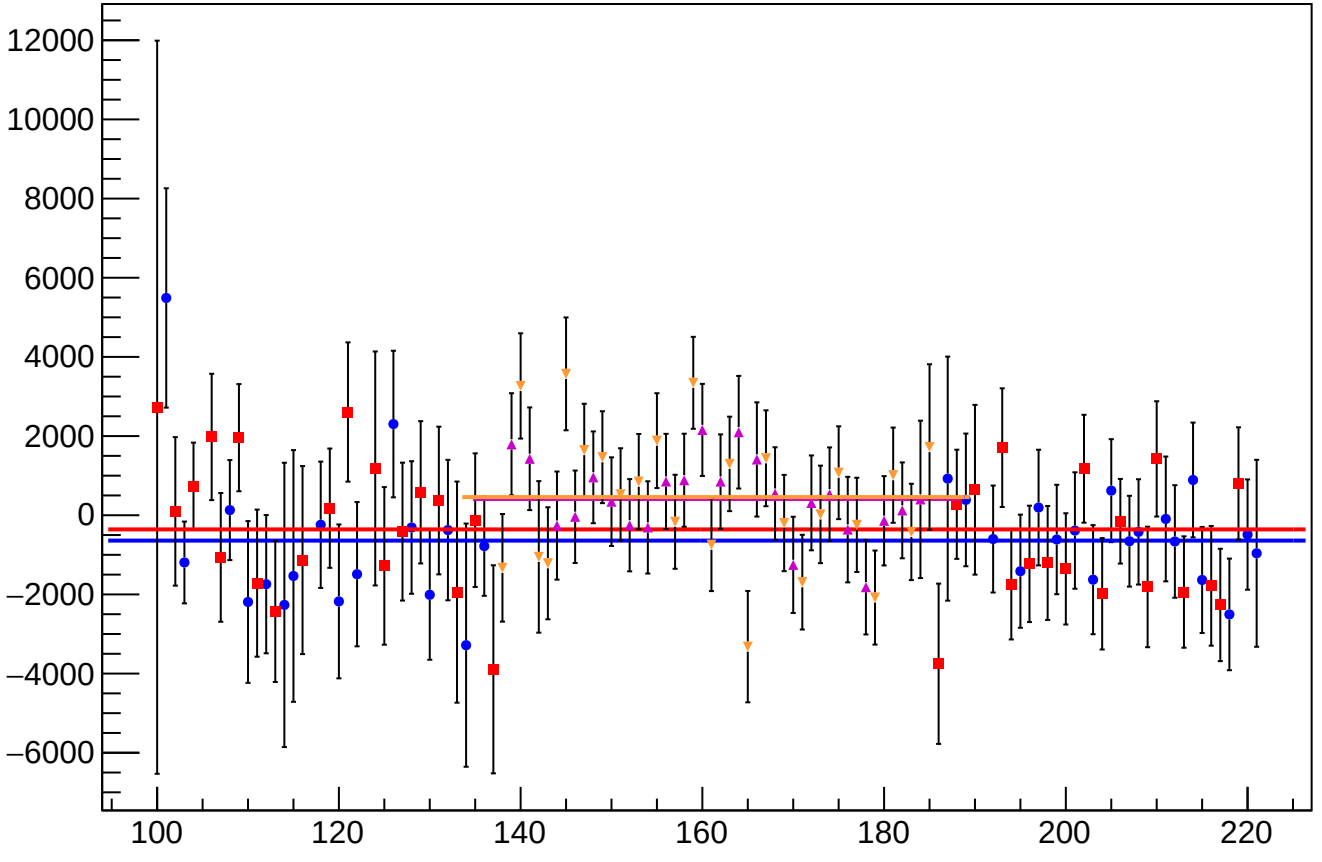
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3307.949+/-0.400 χ^2/NDF: 13150432.4/58

All: 3511.250+/-0.297 χ^2/NDF: 20628989.2/1

- sign 3763.817+/-0.445 χ^2/NDF: 6897878.3/58

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -640.878+/-267.285 χ^2/NDF: 18.1/33

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -357.729+/-266.607 χ^2/NDF: 31.5/35

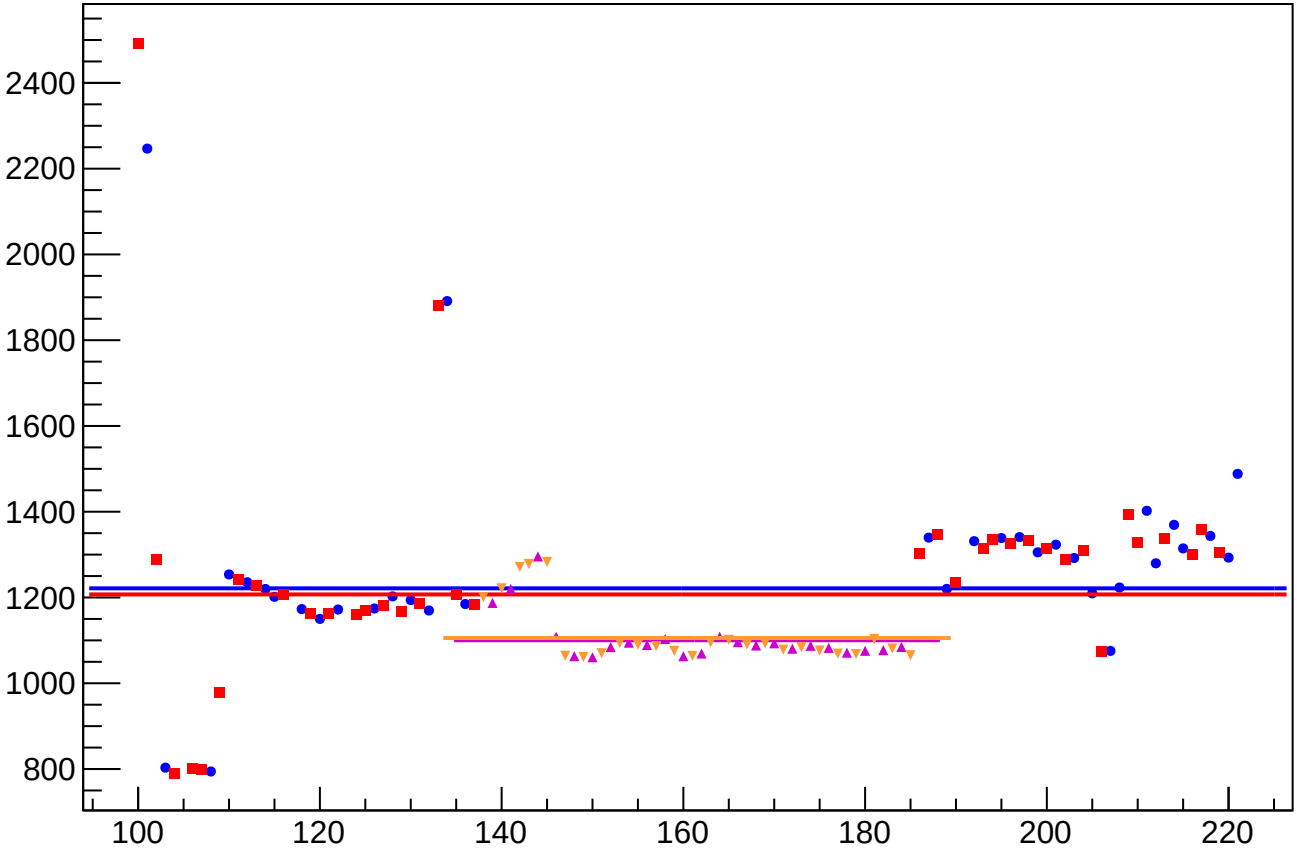
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -57.669+/-183.178 χ^2/NDF: 69.1/58

All: -9.088+/-130.202 χ^2/NDF: 118.7/117

- sign 40.520+/-185.105 χ^2/NDF: 49.5/58

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1221.348+/-0.189 χ^2/NDF: 1141334.7/33

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

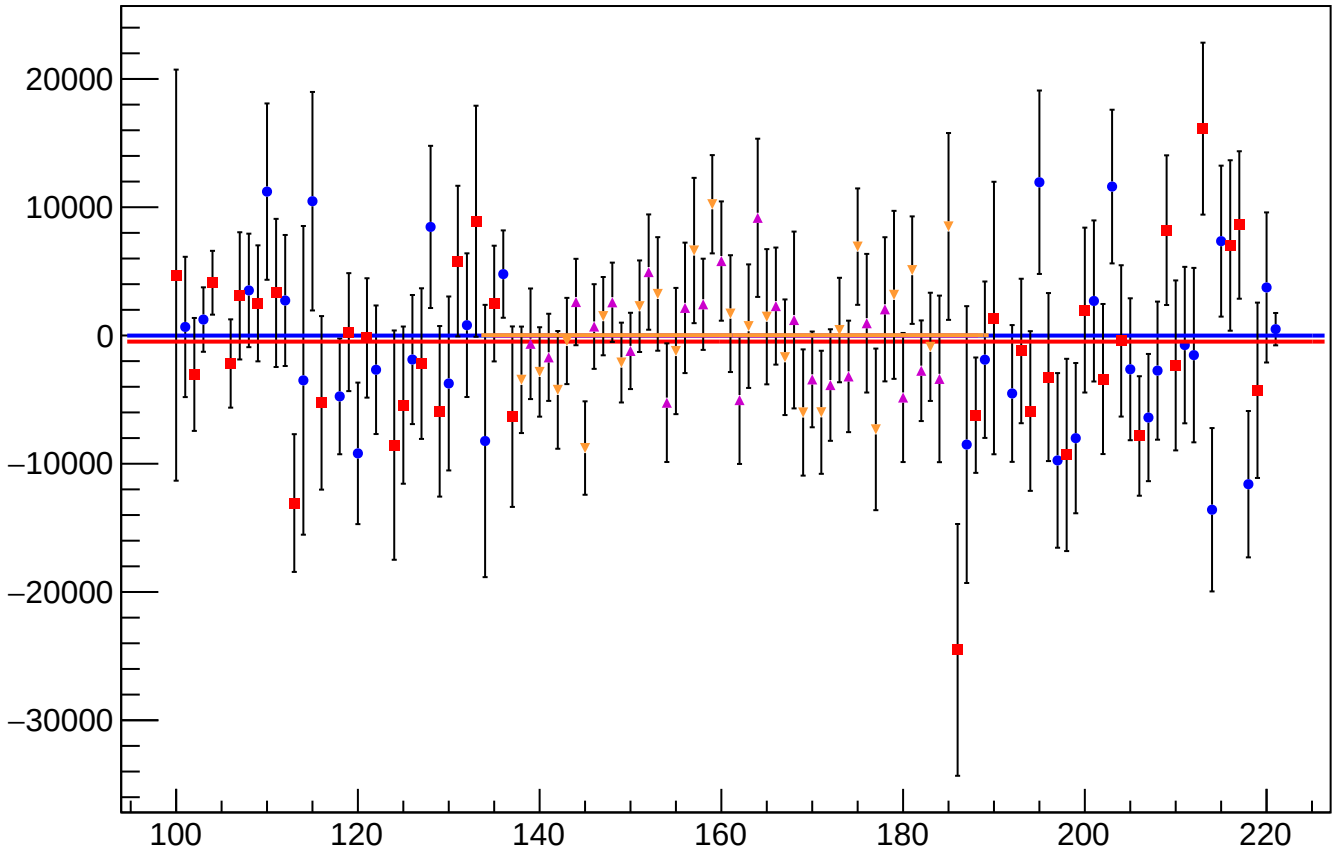
Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1159.937+/-0.130 χ^2/NDF: 1462365.0/58

All: 1155.948+/-0.092 χ^2/NDF: 2729441.0/11

- sign 1151.877+/-0.131 χ^2/NDF: 1265159.5/58



Right In: -8.301+/-755.931 χ^2/NDF: 39.5/33

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

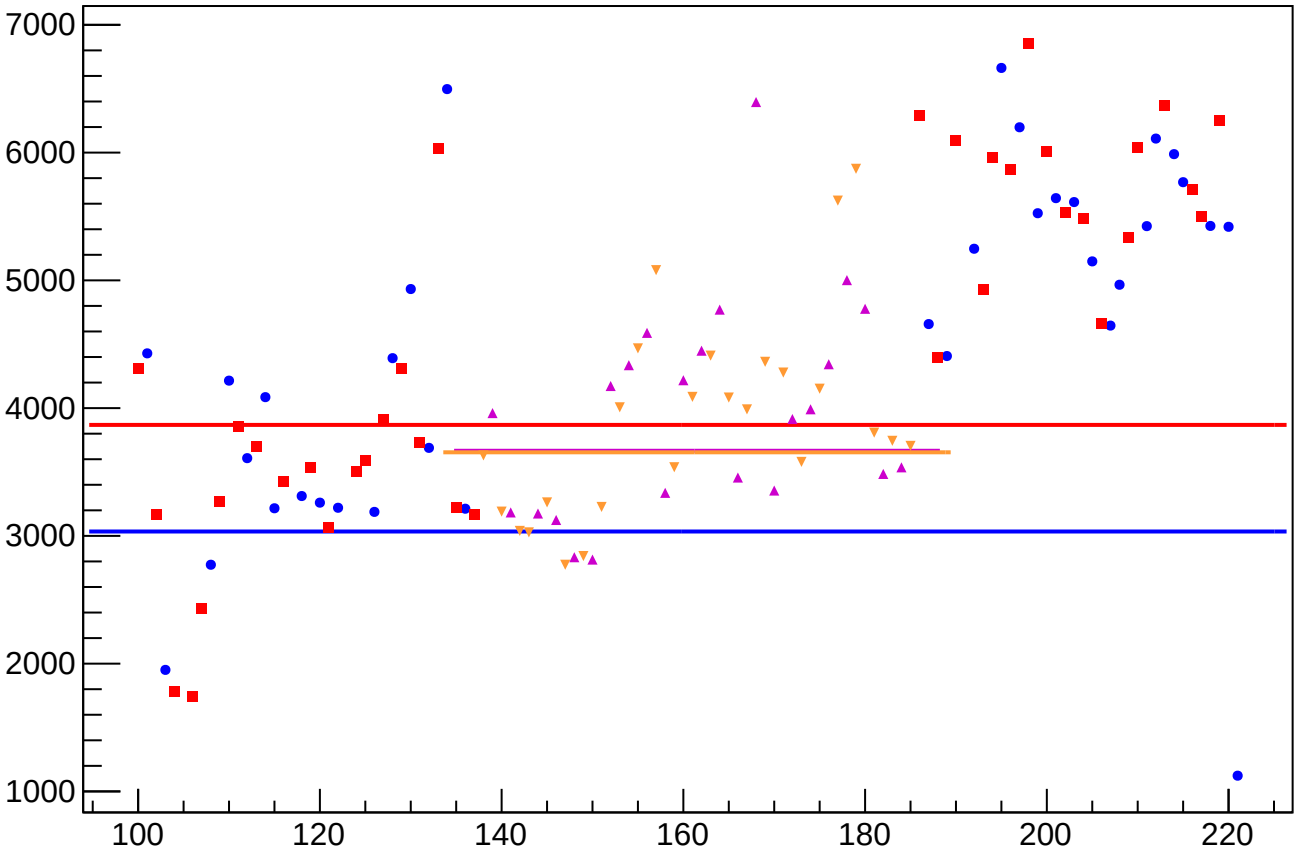
Right Out: -478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 5.676+/-564.984 χ^2/NDF: 68.0/58

All: -101.287+/-420.538 χ^2/NDF: 124.7/117

- sign -234.170+/-629.731 χ^2/NDF: 56.6/58



Right In: 3034.359+/-0.535 χ^2/NDF: 11245134.2/33

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

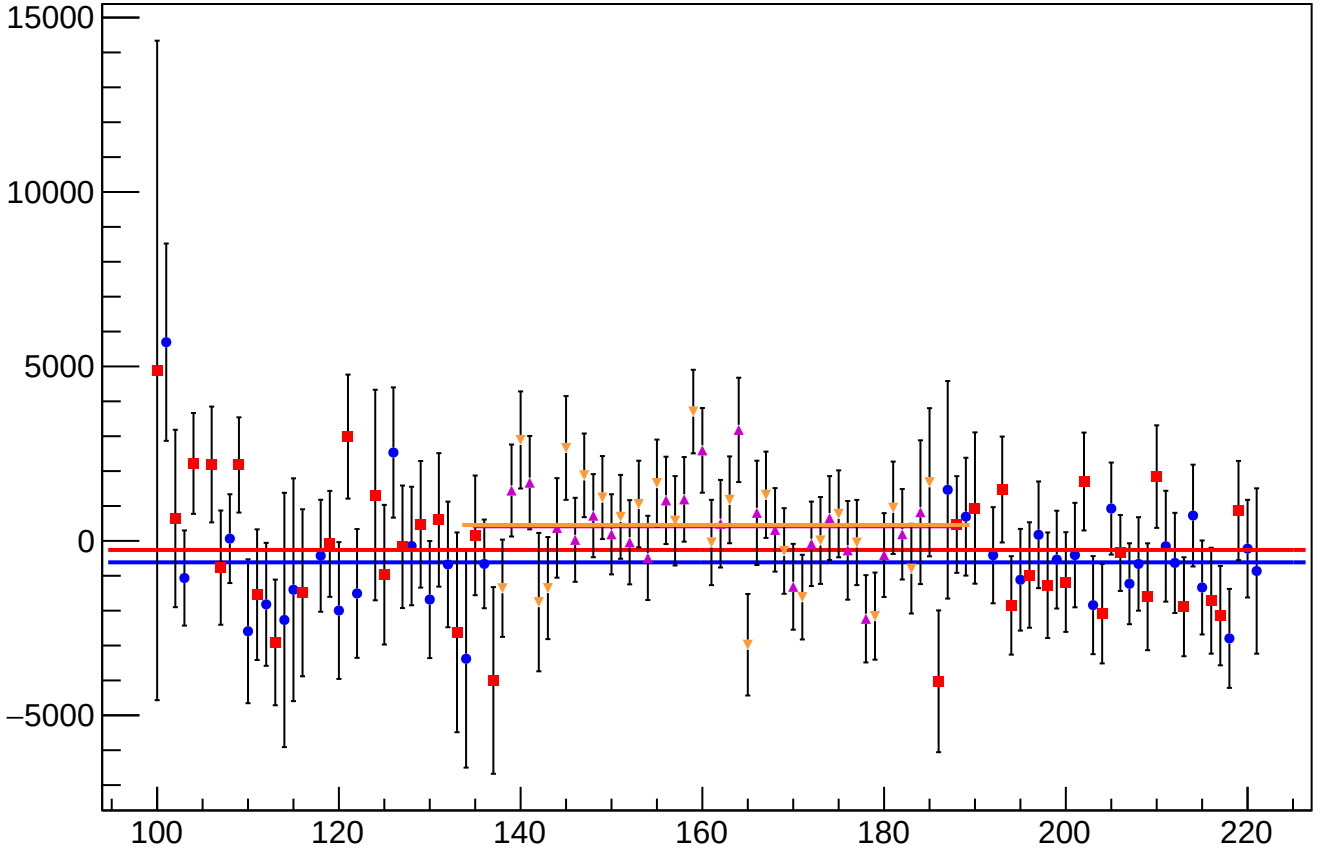
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3307.949+/-0.400 χ^2/NDF: 13150432.4/58

All: 3511.250+/-0.297 χ^2/NDF: 20628989.2/1

- sign 3763.817+/-0.445 χ^2/NDF: 6897878.3/58

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -615.000+/-274.453 χ^2/NDF: 19.4/33

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -259.607+/-274.955 χ^2/NDF: 37.2/35

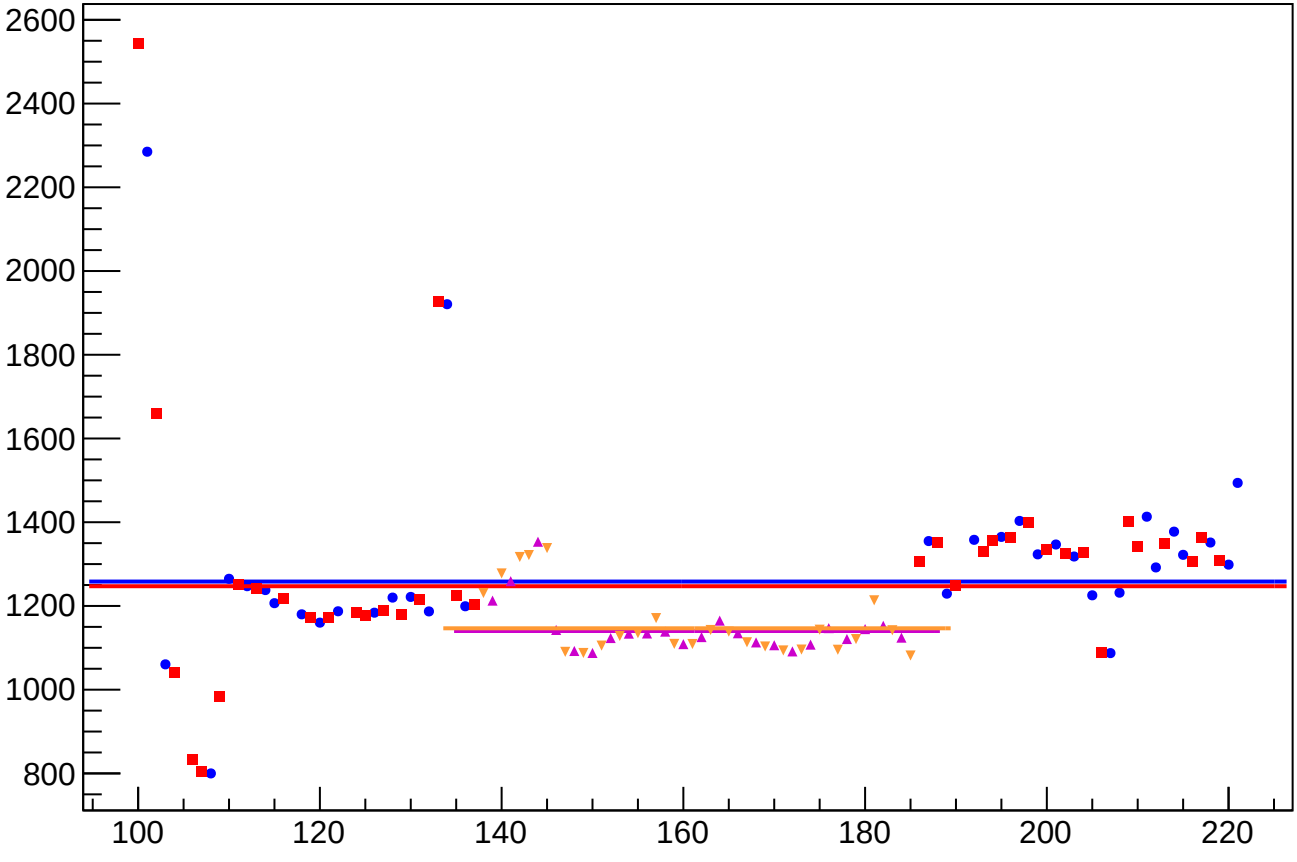
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign -52.771+/-189.134 χ^2/NDF: 63.6/58

All: 17.400+/-134.530 χ^2/NDF: 121.5/117

- sign 89.258+/-191.394 χ^2/NDF: 57.7/58

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1258.278+/-0.194 χ^2/NDF: 851388.6/33

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

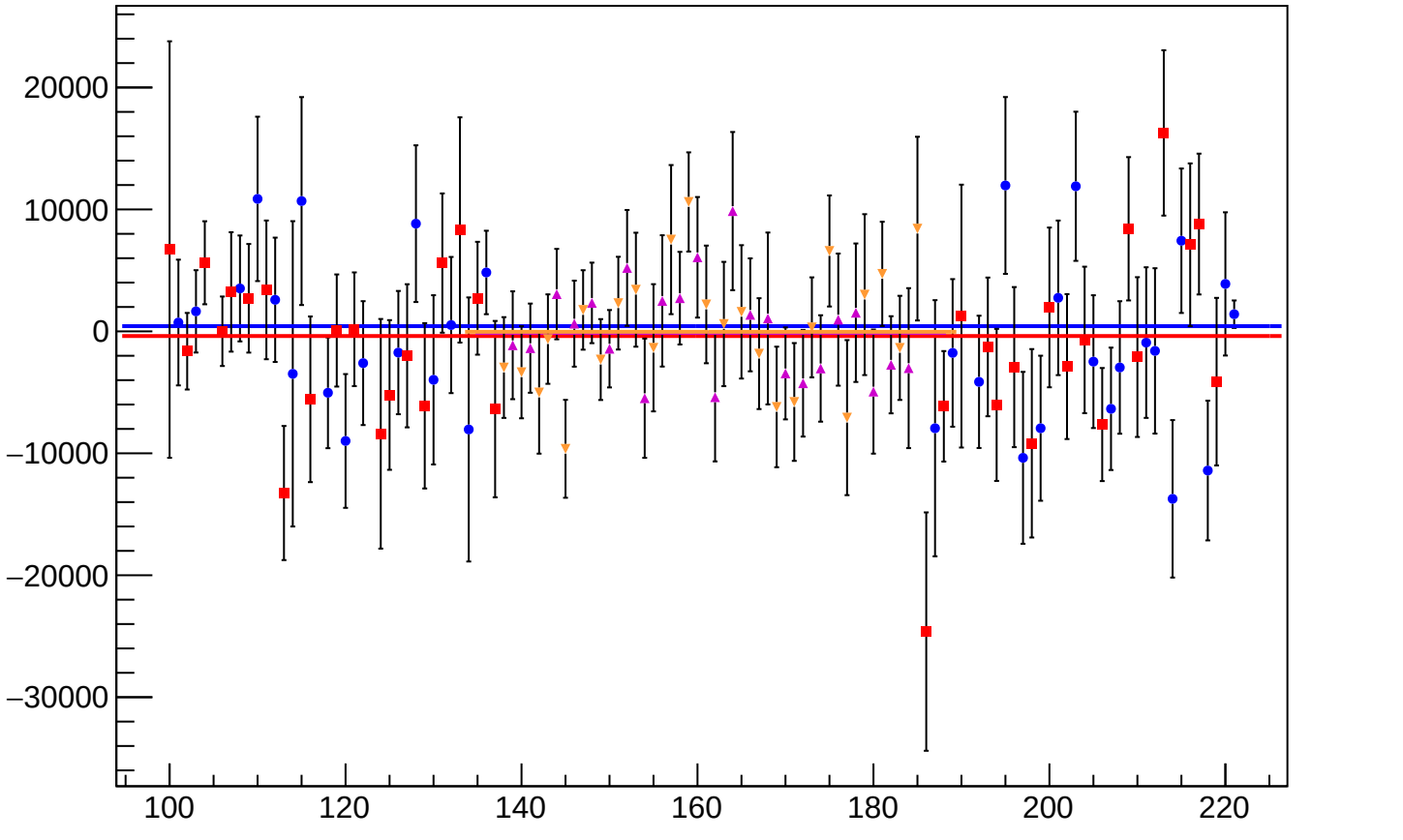
Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.6/35

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1199.643+/-0.134 χ^2/NDF: 1166248.5/58

All: 1195.868+/-0.095 χ^2/NDF: 2203309.5/11

- sign 1192.004+/-0.135 χ^2/NDF: 1035448.9/58



Right In: 427.707+/-738.409 χ^2/NDF: 40.3/33

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -381.659+/-905.358 χ^2/NDF: 41.5/35

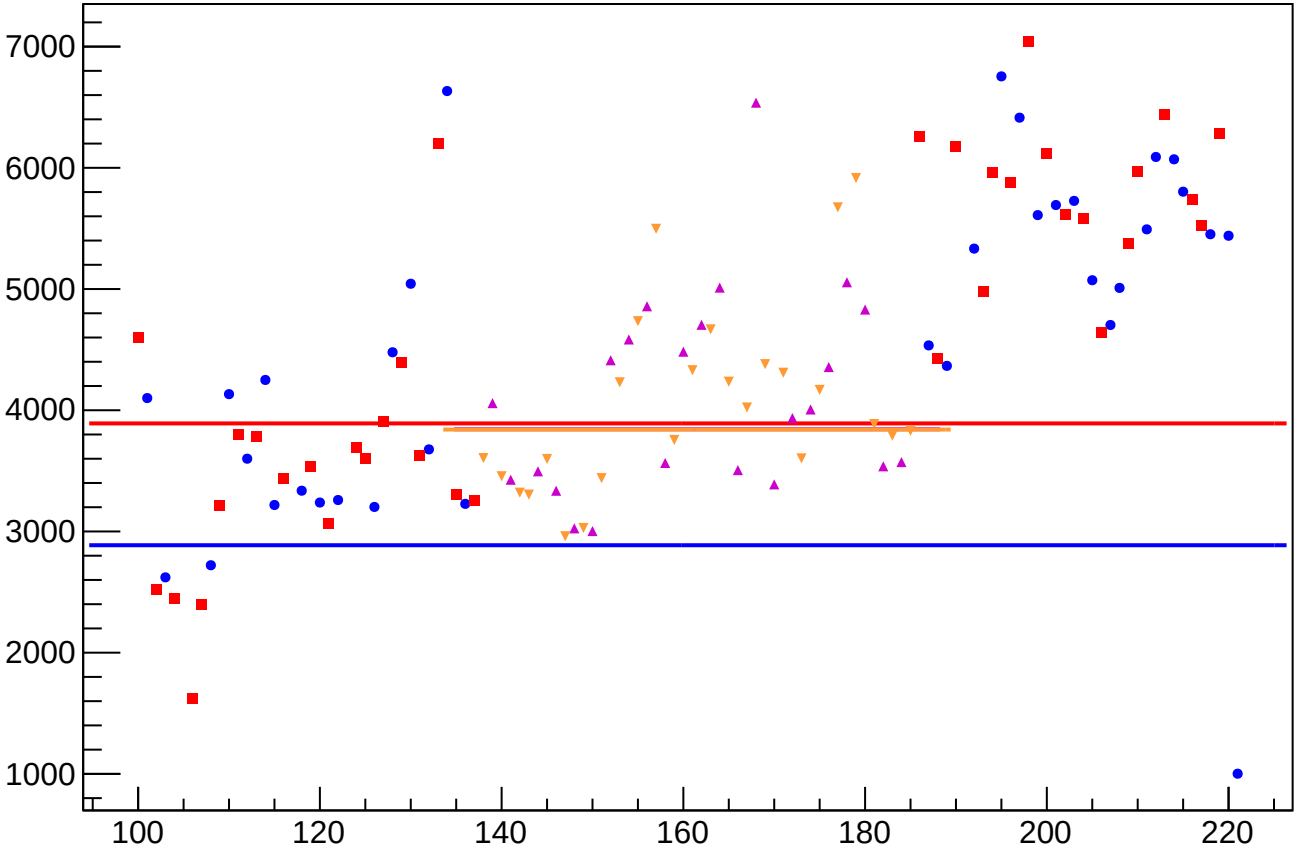
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 239.992+/-568.639 χ^2/NDF: 68.2/58

All: 24.017+/-426.201 χ^2/NDF: 123.9/117

- sign -252.837+/-643.815 χ^2/NDF: 55.4/58

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 2886.510+/-0.522 χ^2/NDF: 12852821.1/33

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3891.464+/-0.640 χ^2/NDF: 5345042.0/35

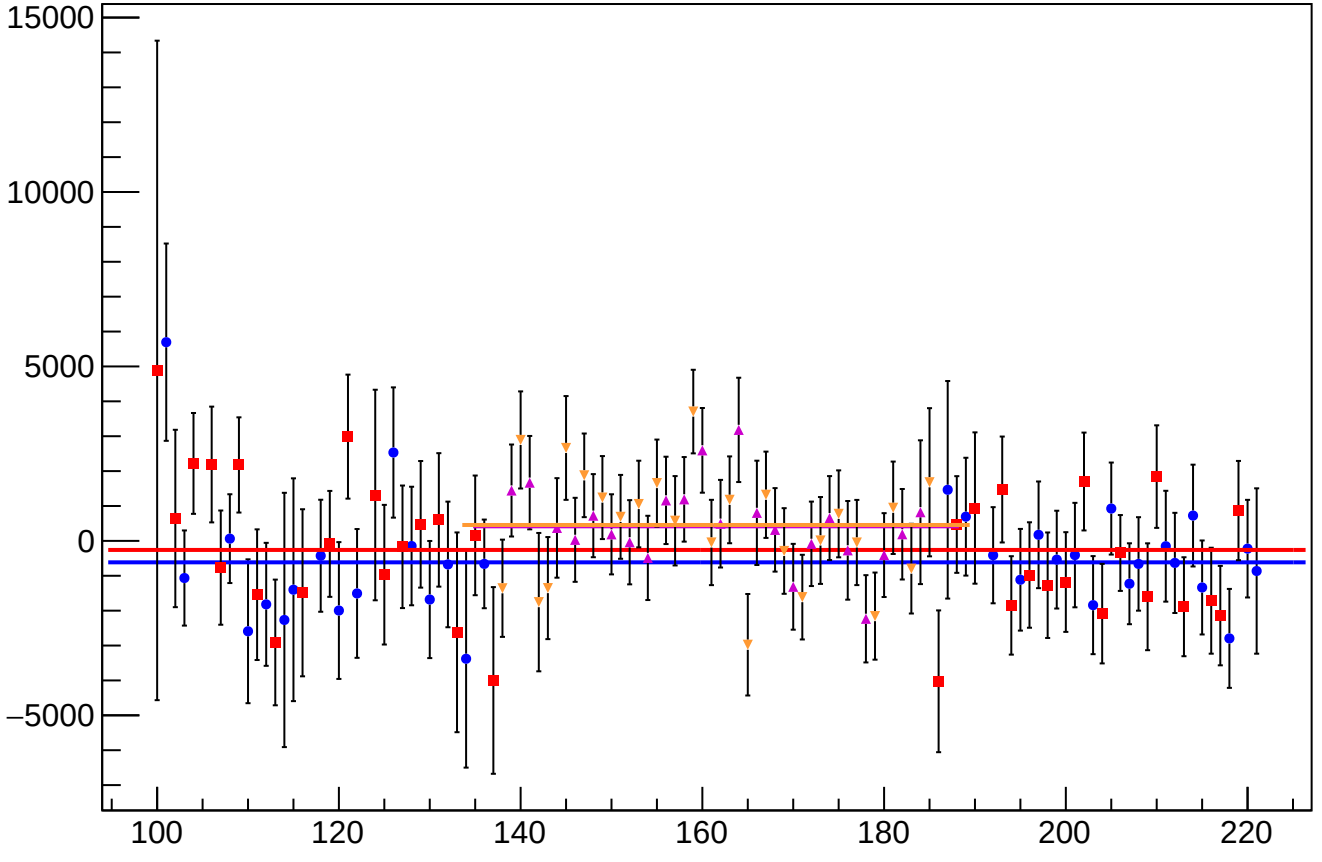
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3274.885+/-0.402 χ^2/NDF: 15330996.1/58

All: 3534.664+/-0.301 χ^2/NDF: 22827372.5/1

- sign 3867.670+/-0.455 χ^2/NDF: 6543894.4/58

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -614.995+/-274.453 χ^2/NDF: 19.4/33

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -259.607+/-274.955 χ^2/NDF: 37.2/35

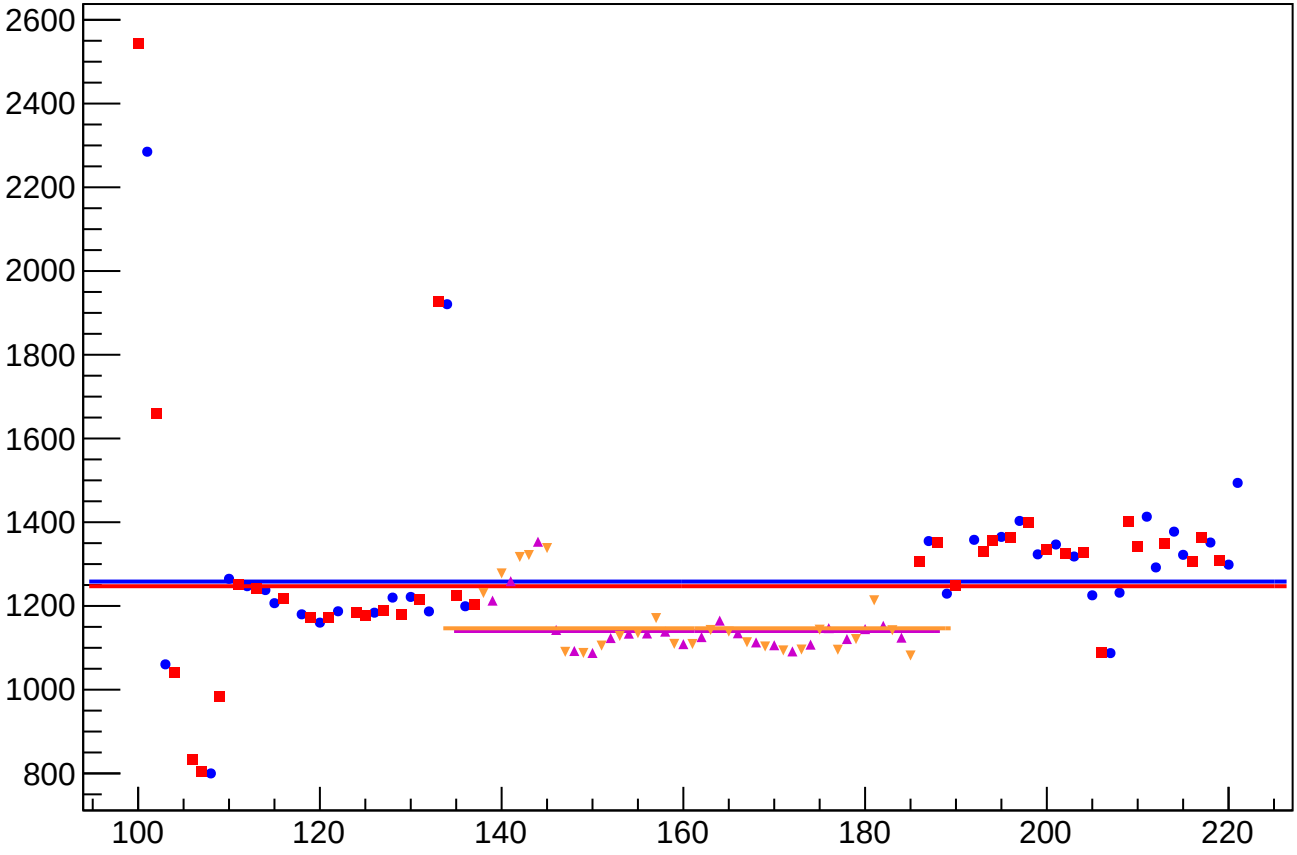
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign -52.766+/-189.134 χ^2/NDF: 63.6/58

All: 17.402+/-134.530 χ^2/NDF: 121.5/117

- sign 89.258+/-191.394 χ^2/NDF: 57.7/58

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1258.277+/-0.194 χ^2/NDF: 851389.5/33

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

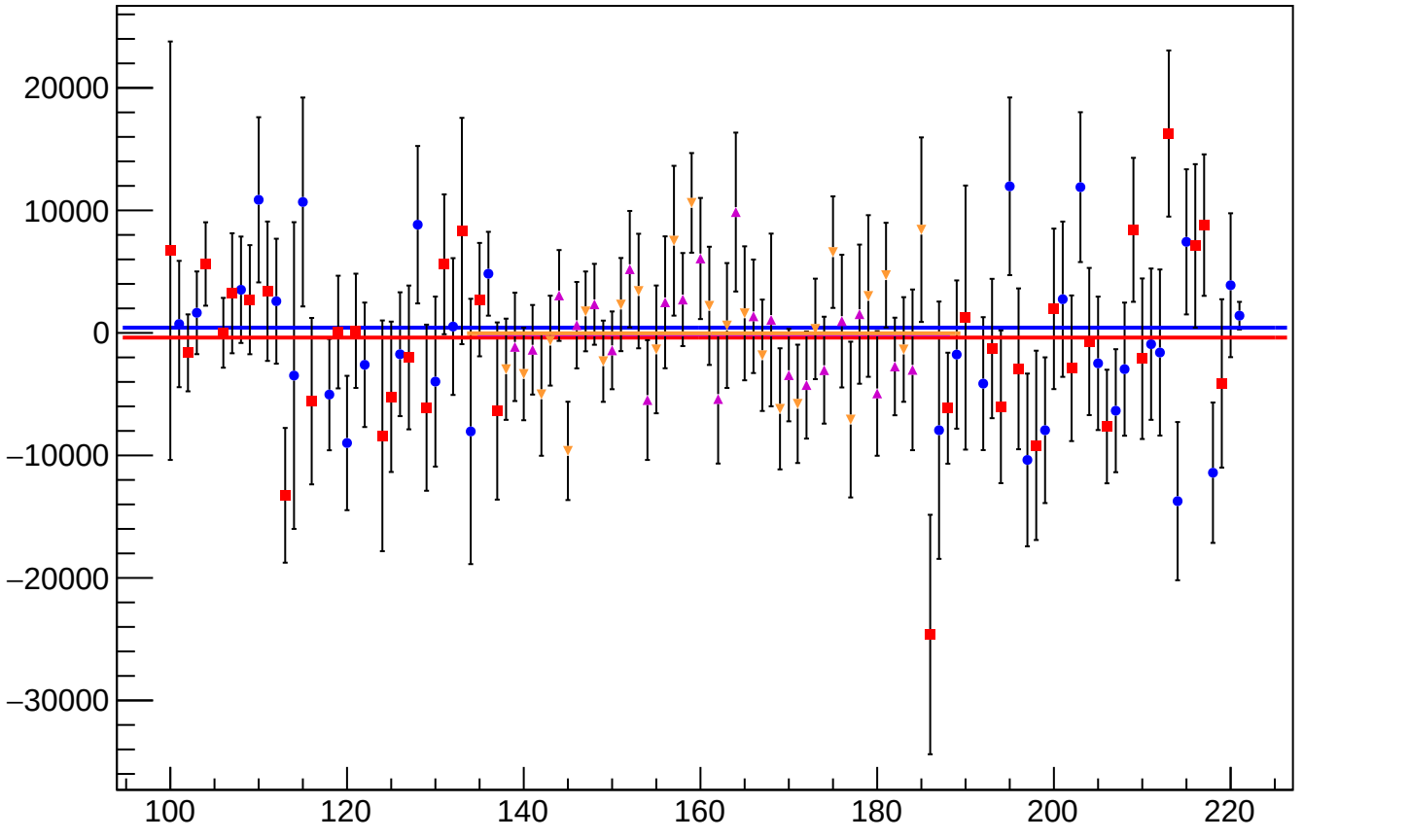
Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.0/35

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1199.643+/-0.134 χ^2/NDF: 1166247.3/58

All: 1195.869+/-0.095 χ^2/NDF: 2203305.7/11

- sign 1192.004+/-0.135 χ^2/NDF: 1035446.3/58



Right In: 427.703+/-738.408 χ^2/NDF: 40.3/33

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

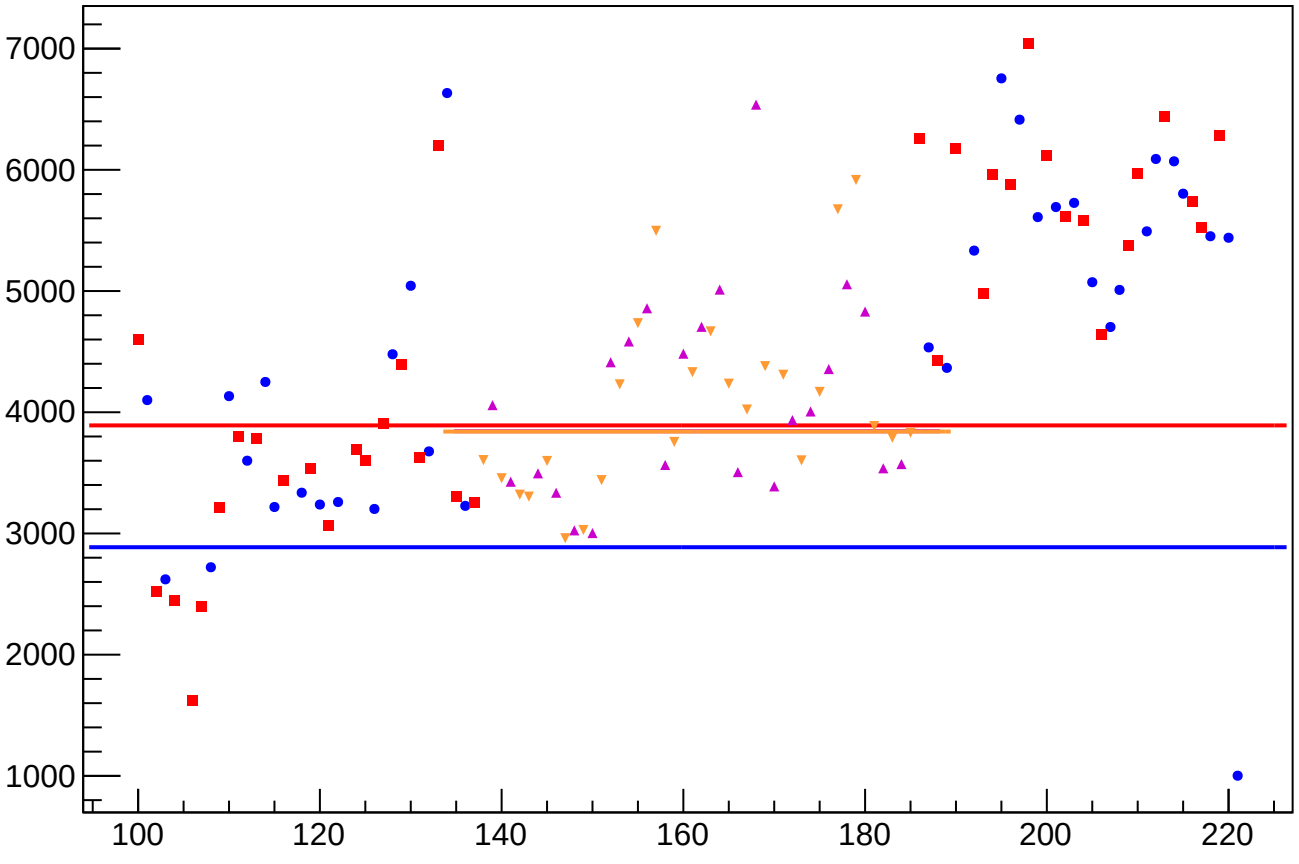
Right Out: -381.654+/-905.357 χ^2/NDF: 41.5/35

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 239.990+/-568.639 χ^2/NDF: 68.2/58

All: 24.017+/-426.201 χ^2/NDF: 123.9/117

- sign -252.836+/-643.815 χ^2/NDF: 55.4/58



Right In: 2886.508+/-0.522 χ^2/NDF: 12852838.9/33

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3891.460+/-0.640 χ^2/NDF: 5345073.8/35

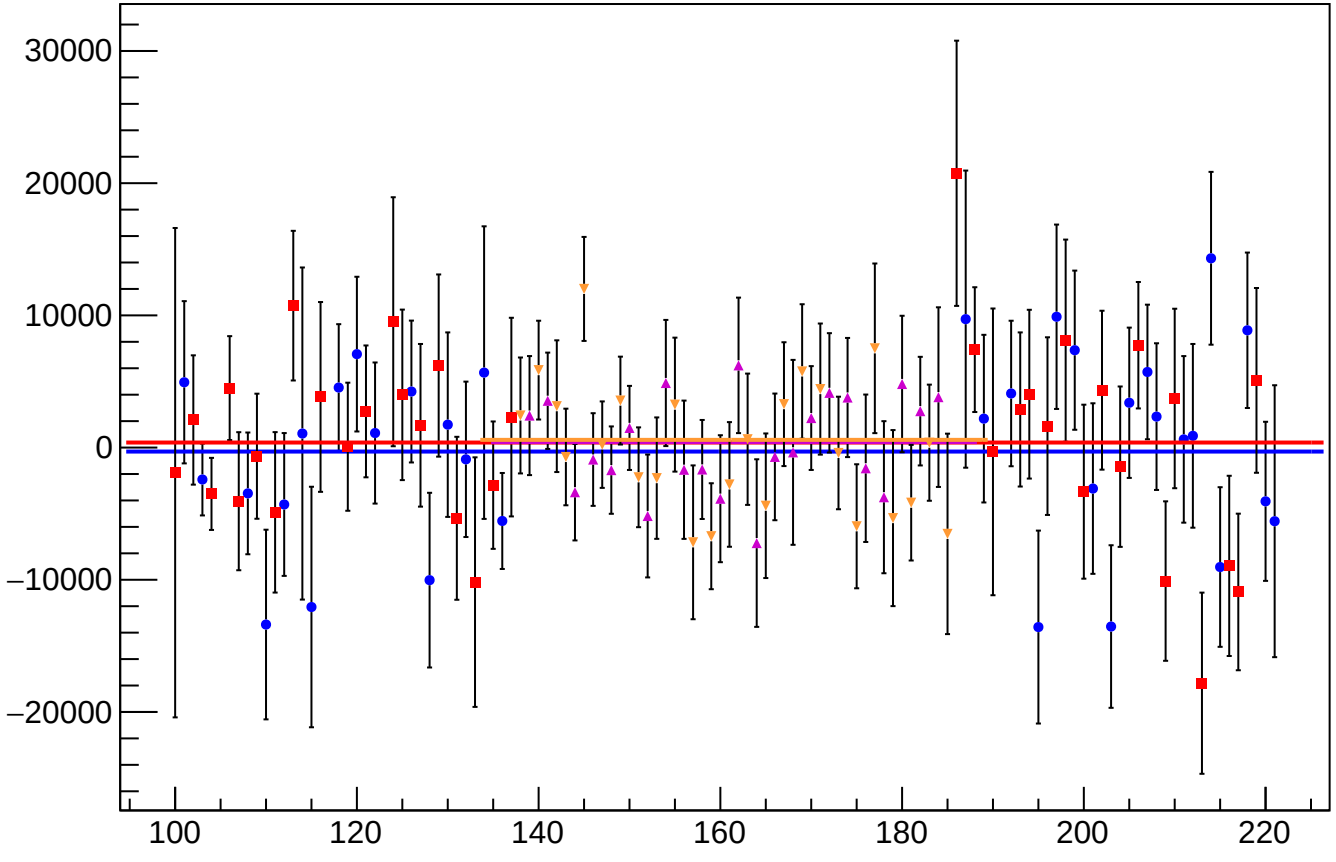
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3274.885+/-0.402 χ^2/NDF: 15331034.6/58

All: 3534.664+/-0.301 χ^2/NDF: 22827446.1/1

- sign 3867.670+/-0.455 χ^2/NDF: 6543929.1/58

asym_usr_atr2_dd_mean vs Slug



Right In: -301.951+/-986.244 χ^2/NDF: 41.2/33

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 381.368+/-959.440 χ^2/NDF: 40.6/35

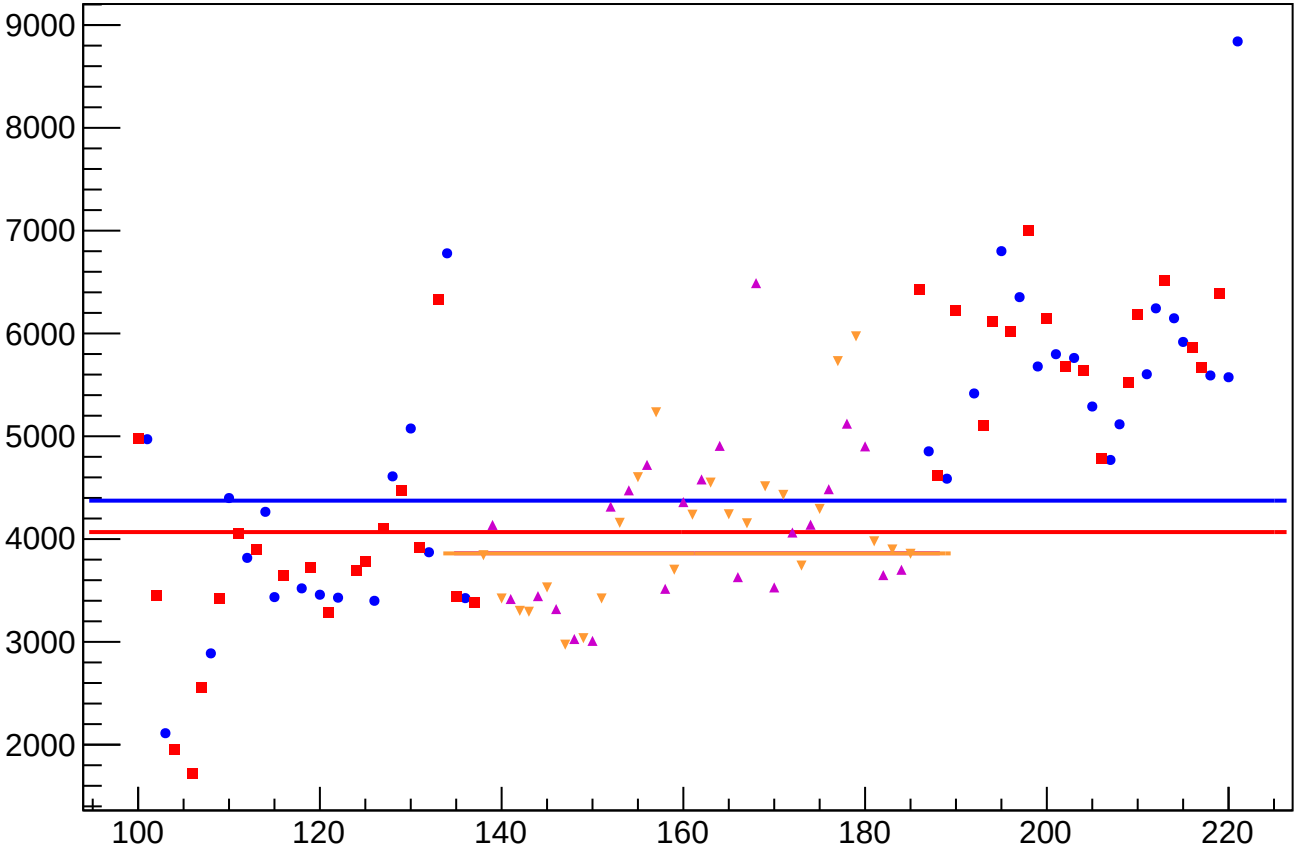
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 183.547+/-662.736 χ^2/NDF: 69.0/58

All: 291.545+/-468.955 χ^2/NDF: 122.2/117

- sign 399.848+/-663.670 χ^2/NDF: 53.1/58

asym_usr_atr2_dd_rms vs Slug



Right In: 4373.736+/-0.697 χ^2/NDF: 4059099.9/33

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

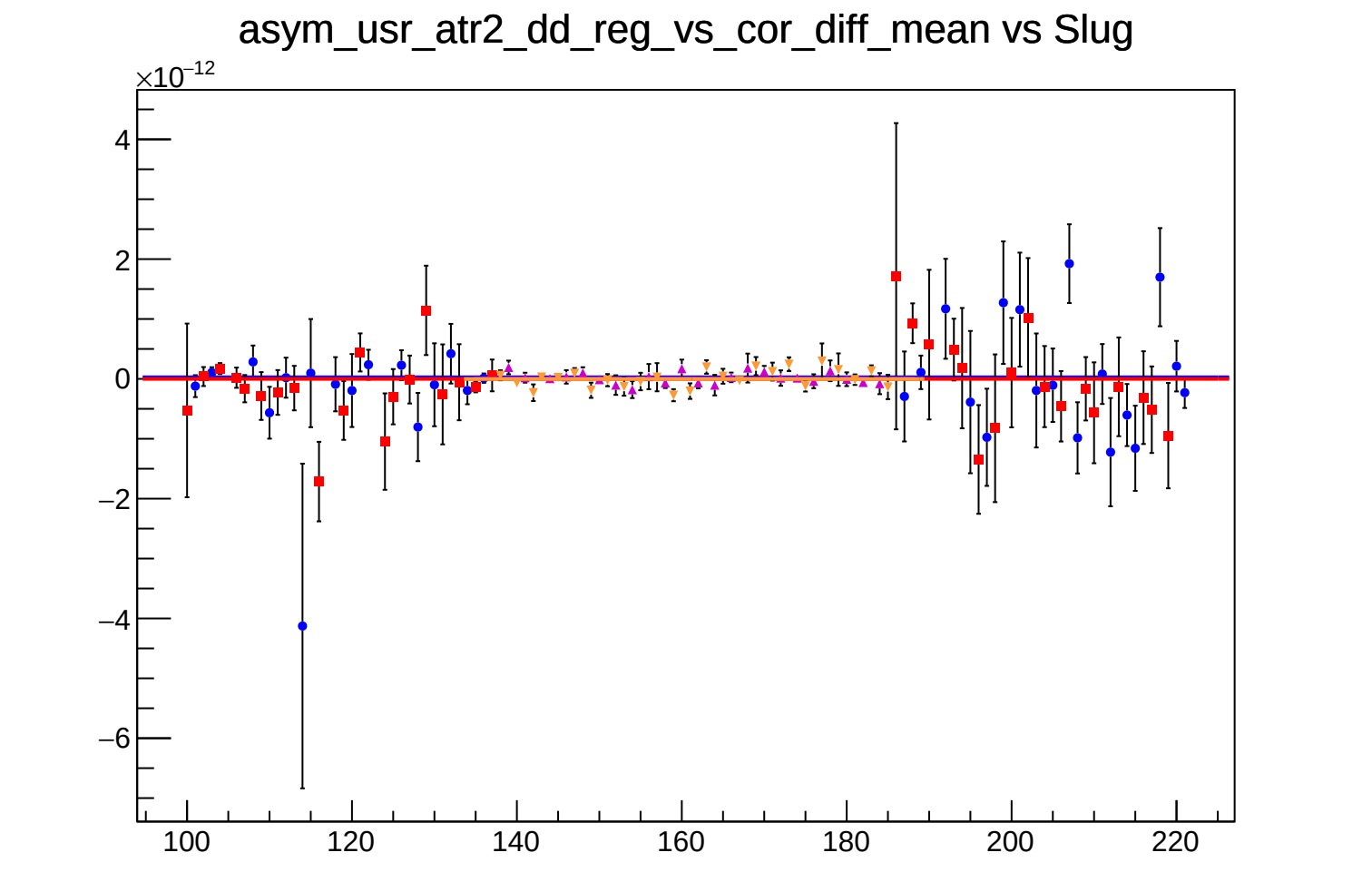
Right Out: 4068.099+/-0.671 χ^2/NDF: 5197265.0/35

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 4092.275+/-0.469 χ^2/NDF: 5453398.6/58

All: 4026.834+/-0.331 χ^2/NDF: 11880198.2/1

- sign 3961.865+/-0.467 χ^2/NDF: 6387939.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

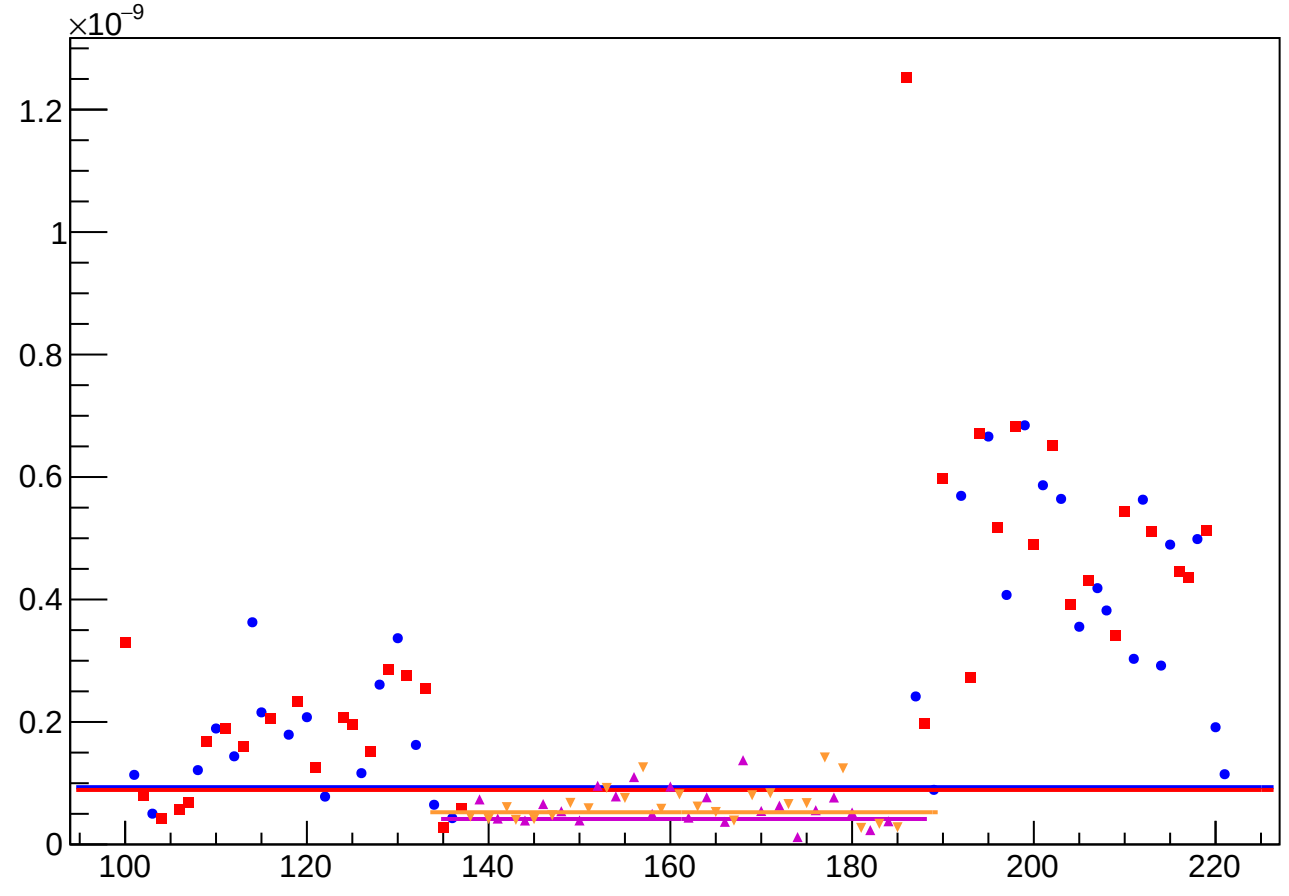
Right Out: -0.000+/-0.000 χ^2/NDF: 38.1/35

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.0/58

All: 0.000+/-0.000 χ^2/NDF: 126.9/117

- sign 0.000+/-0.000 χ^2/NDF: 50.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 9137167.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10577034.3/35

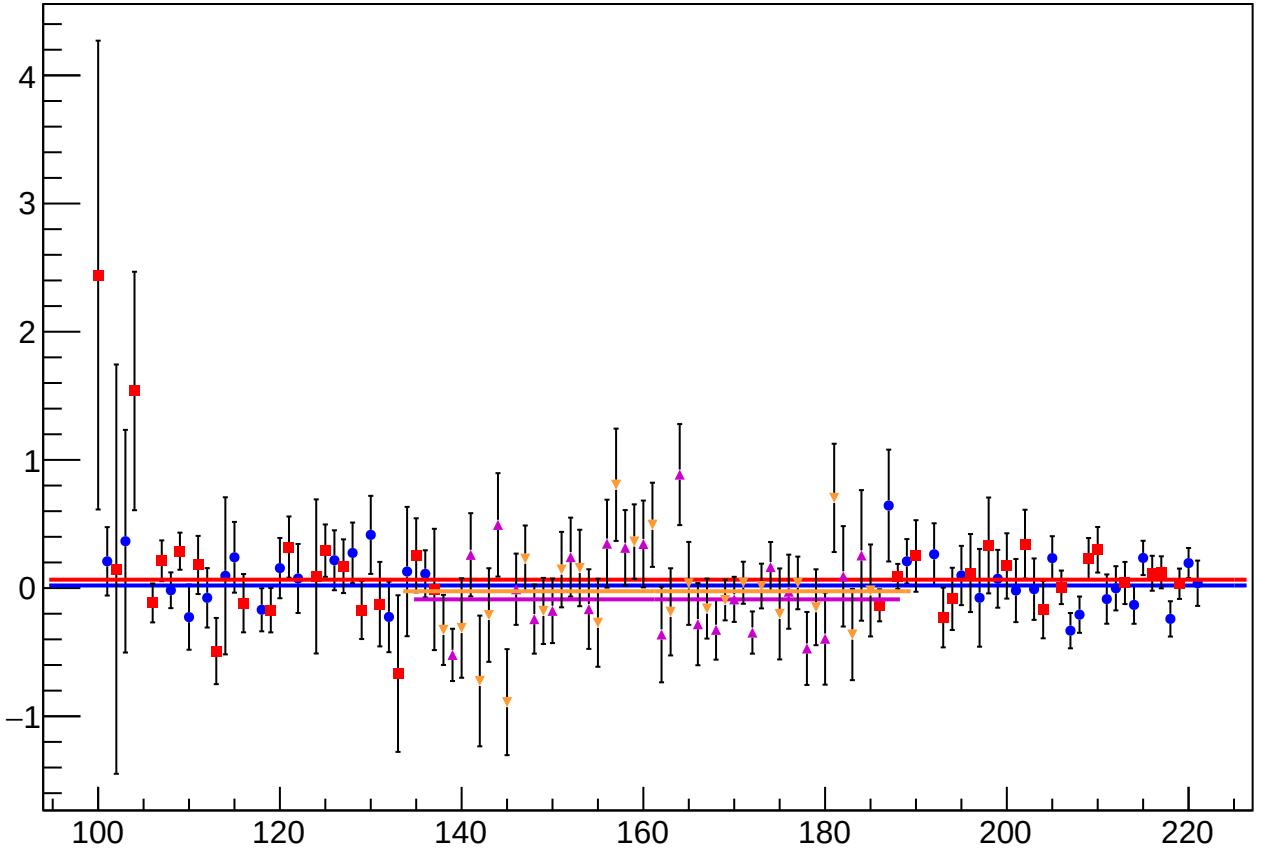
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12069072.4/58

All: 0.000+/-0.000 χ^2/NDF: 27672936.3/117

- sign 0.000+/-0.000 χ^2/NDF: 15220971.0/58

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

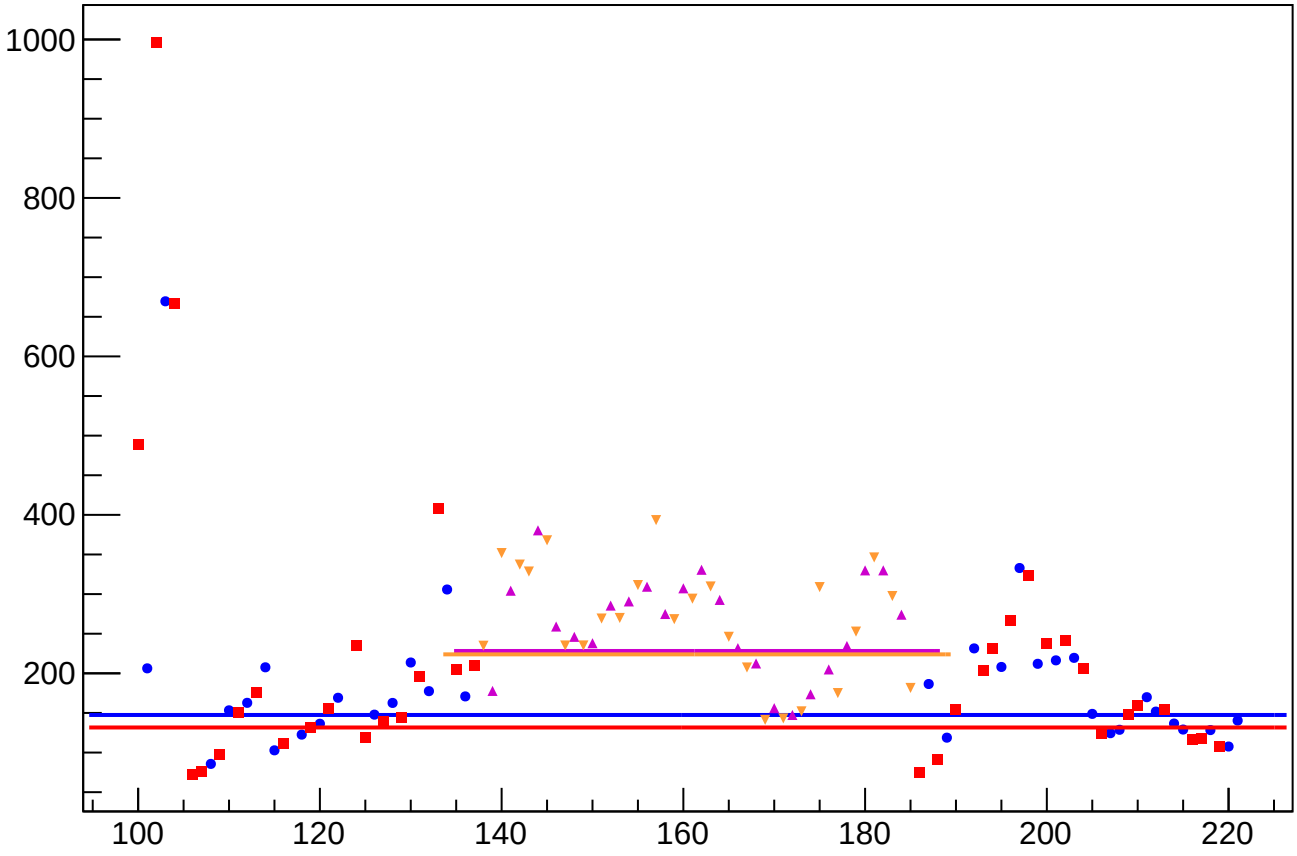
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.018+/-0.020 χ^2/NDF: 127.6/117

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 147.439+/-0.024 χ^2/NDF: 3573063.1/33

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

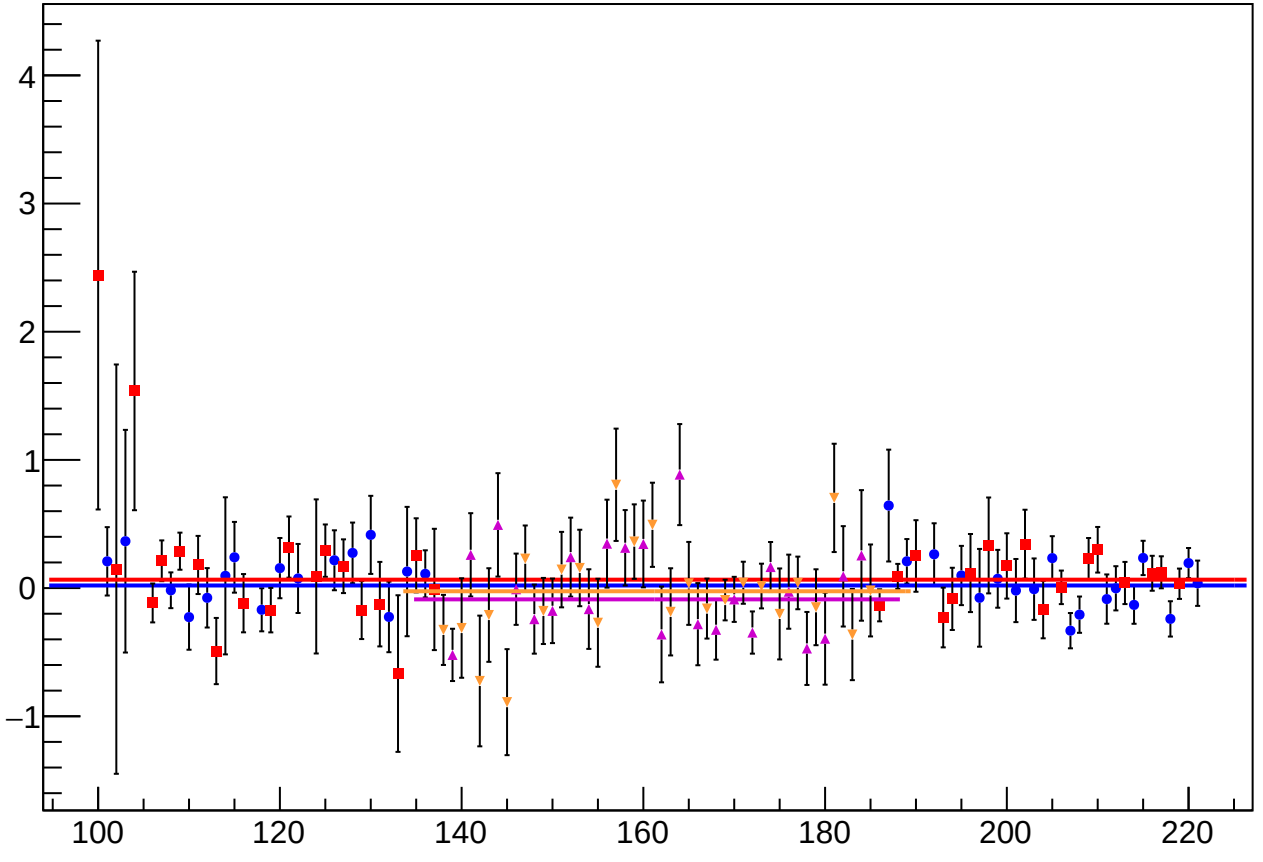
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 168.752+/-0.020 χ^2/NDF: 9844369.4/58

All: 161.691+/-0.014 χ^2/NDF: 23186033.4/11

- sign 155.070+/-0.020 χ^2/NDF: 13108996.3/58

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

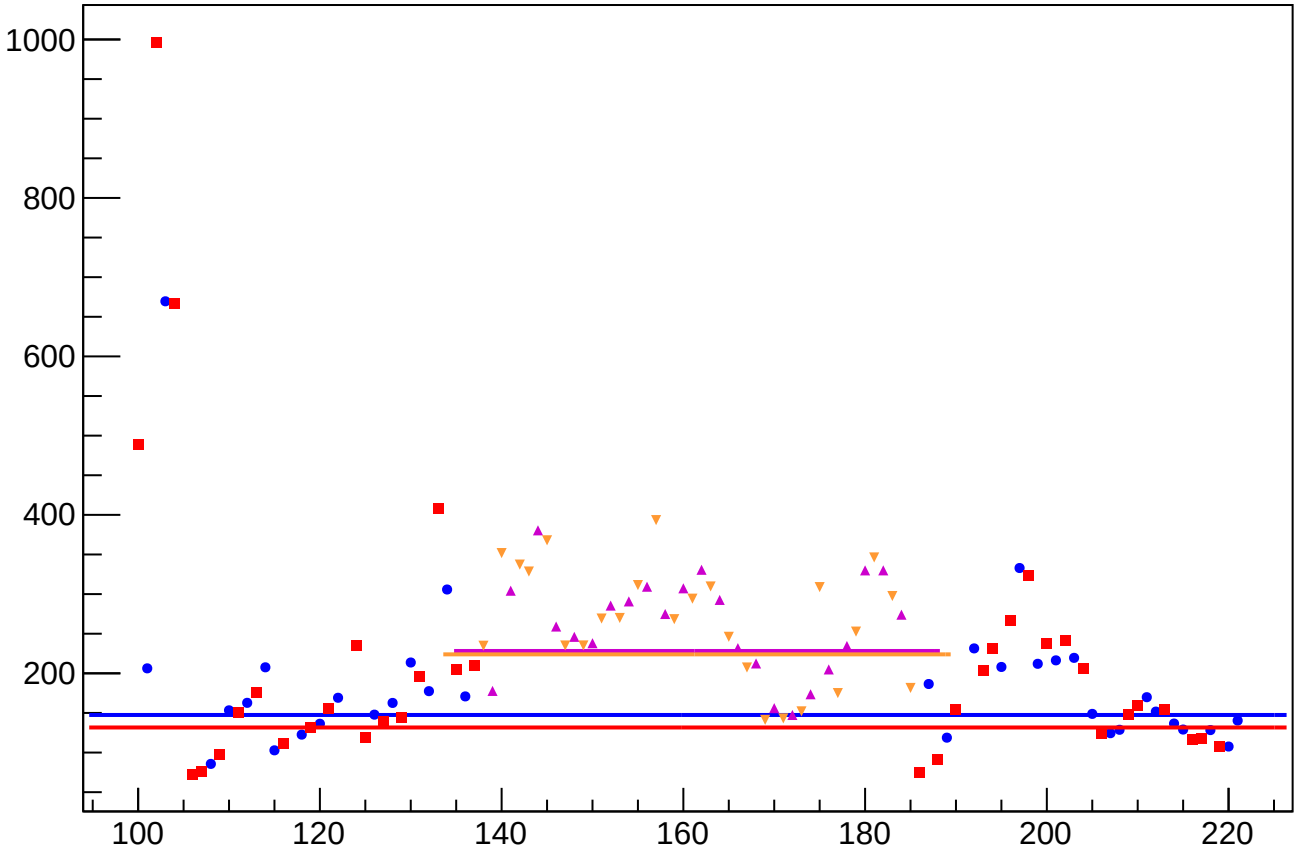
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.018+/-0.020 χ^2/NDF: 127.6/117

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.439+/-0.024 χ^2/NDF: 3573063.1/33

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

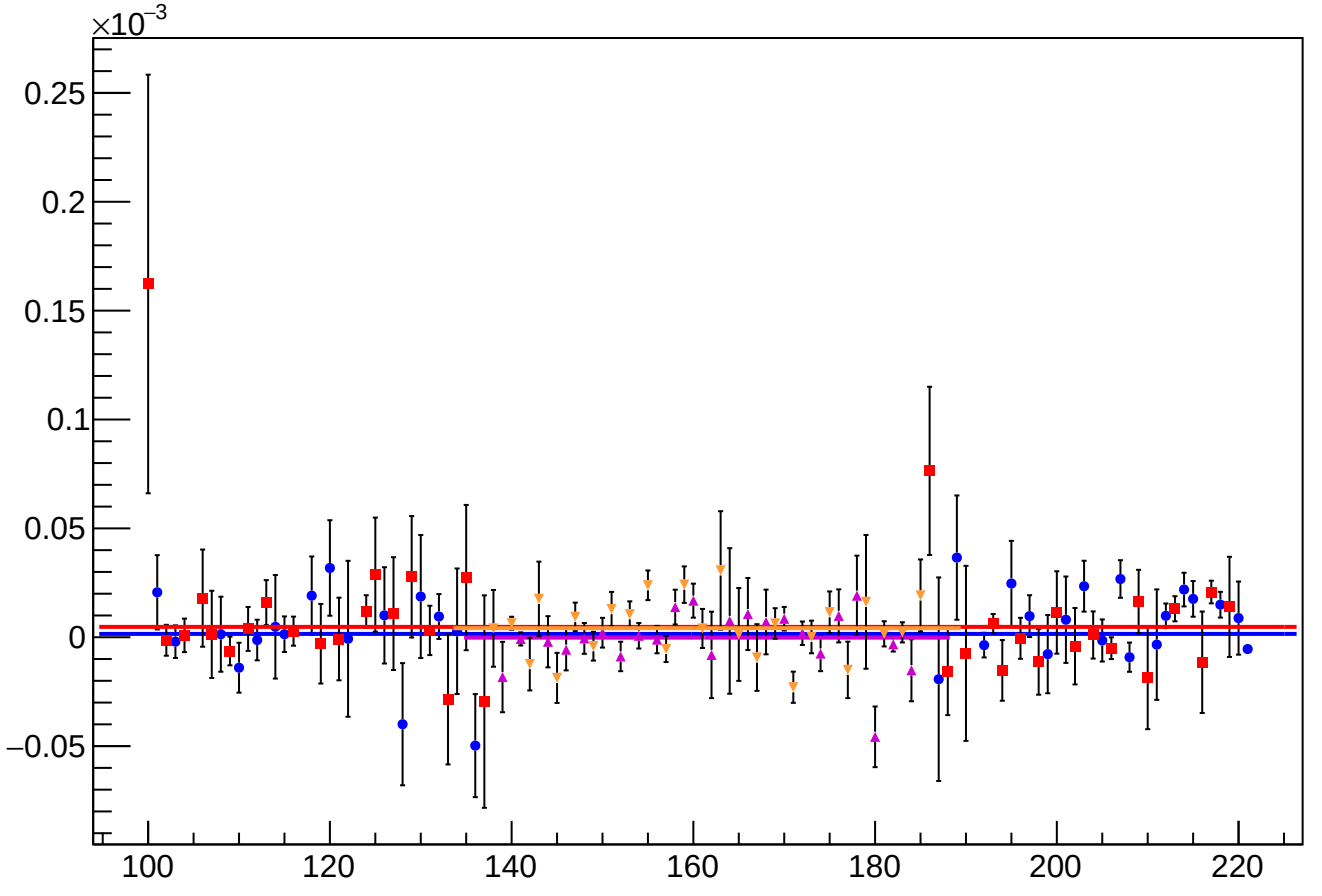
Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 168.752+/-0.020 χ^2/NDF: 9844369.4/58

All: 161.691+/-0.014 χ^2/NDF: 23186033.4/11

- sign 155.070+/-0.020 χ^2/NDF: 13108996.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 62.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

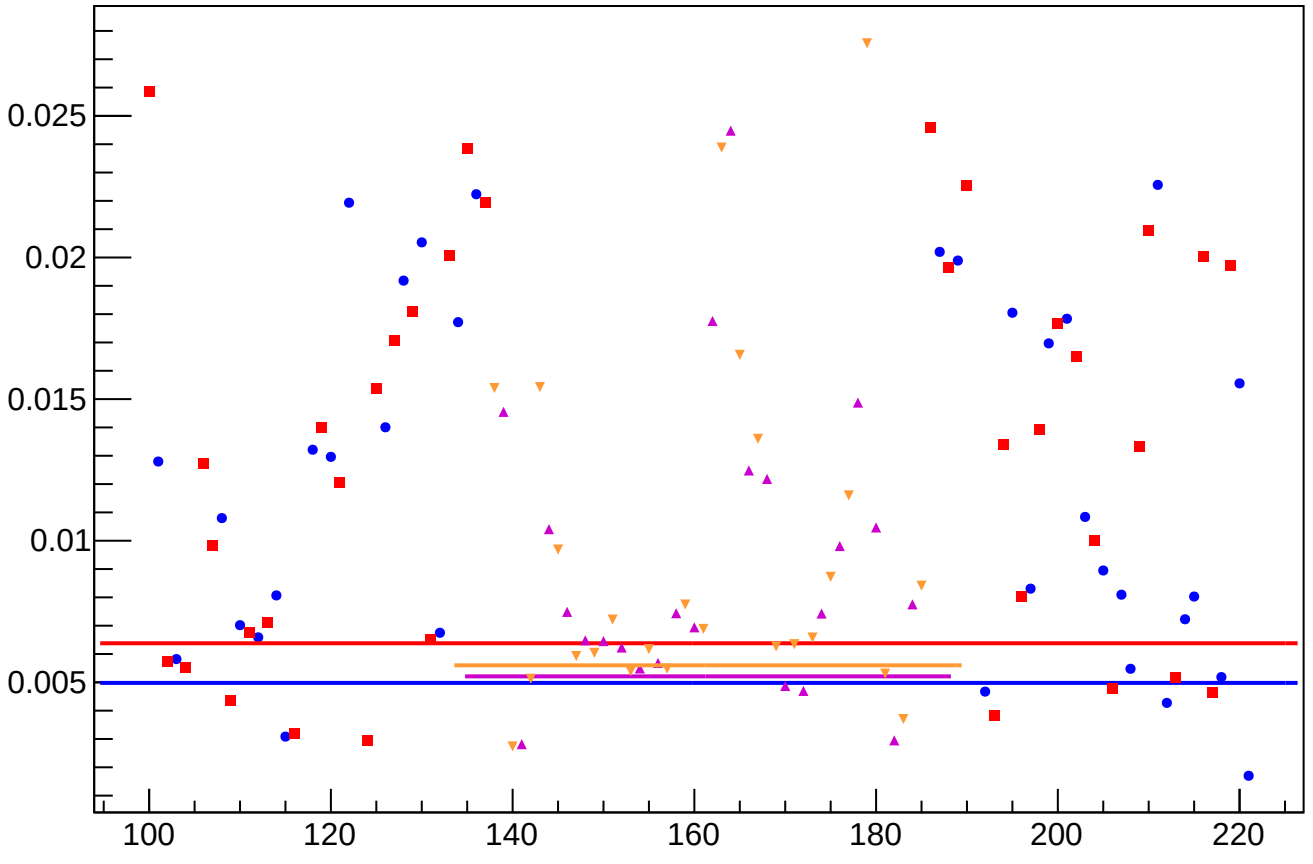
Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/35

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 112.7/58

All: 0.000+/-0.000 χ^2/NDF: 187.5/117

- sign 0.000+/-0.000 χ^2/NDF: 74.5/58



Right In: 0.005+/-0.000 χ^2/NDF: 16411037.5/33

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 12122411.8/35

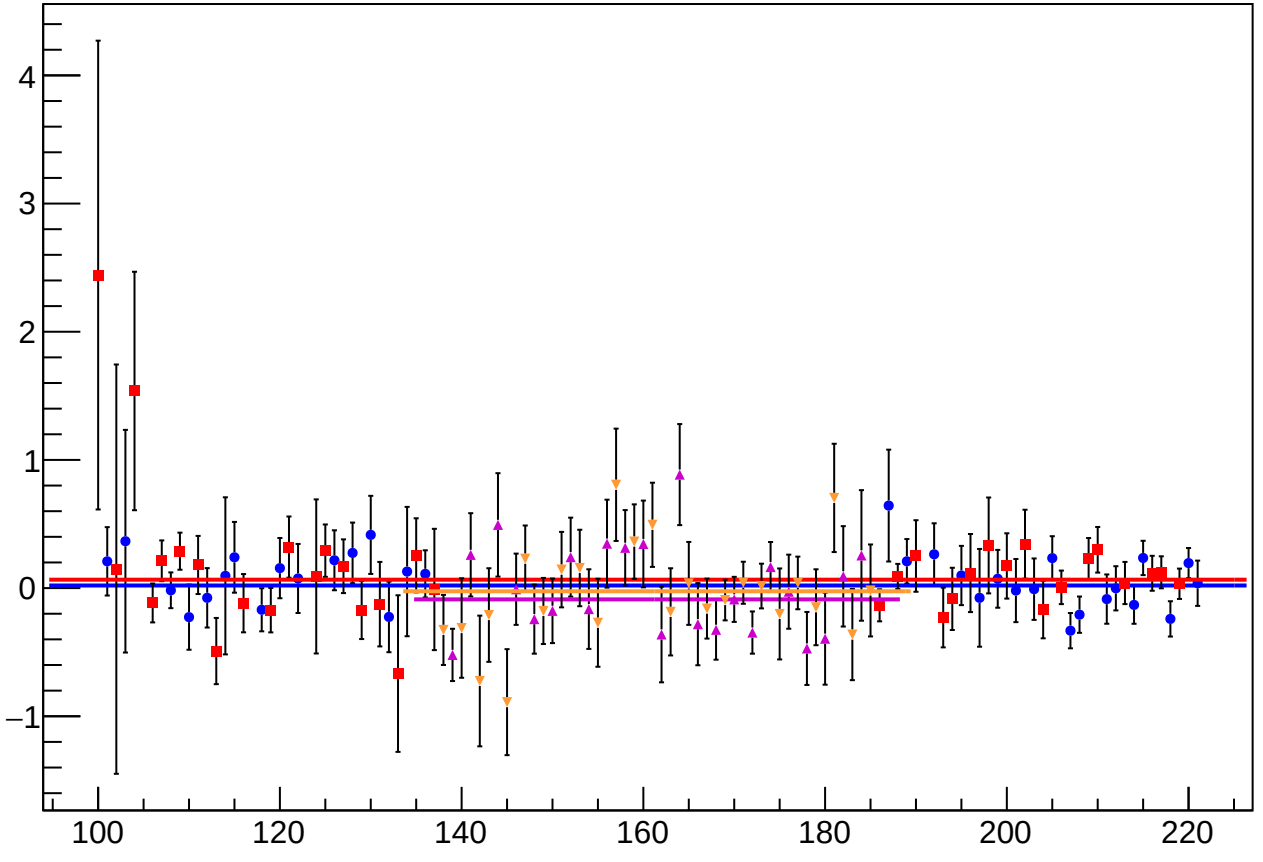
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.005+/-0.000 χ^2/NDF: 24364176.4/58

All: 0.005+/-0.000 χ^2/NDF: 44662607.3/117

- sign 0.006+/-0.000 χ^2/NDF: 20141266.5/58

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

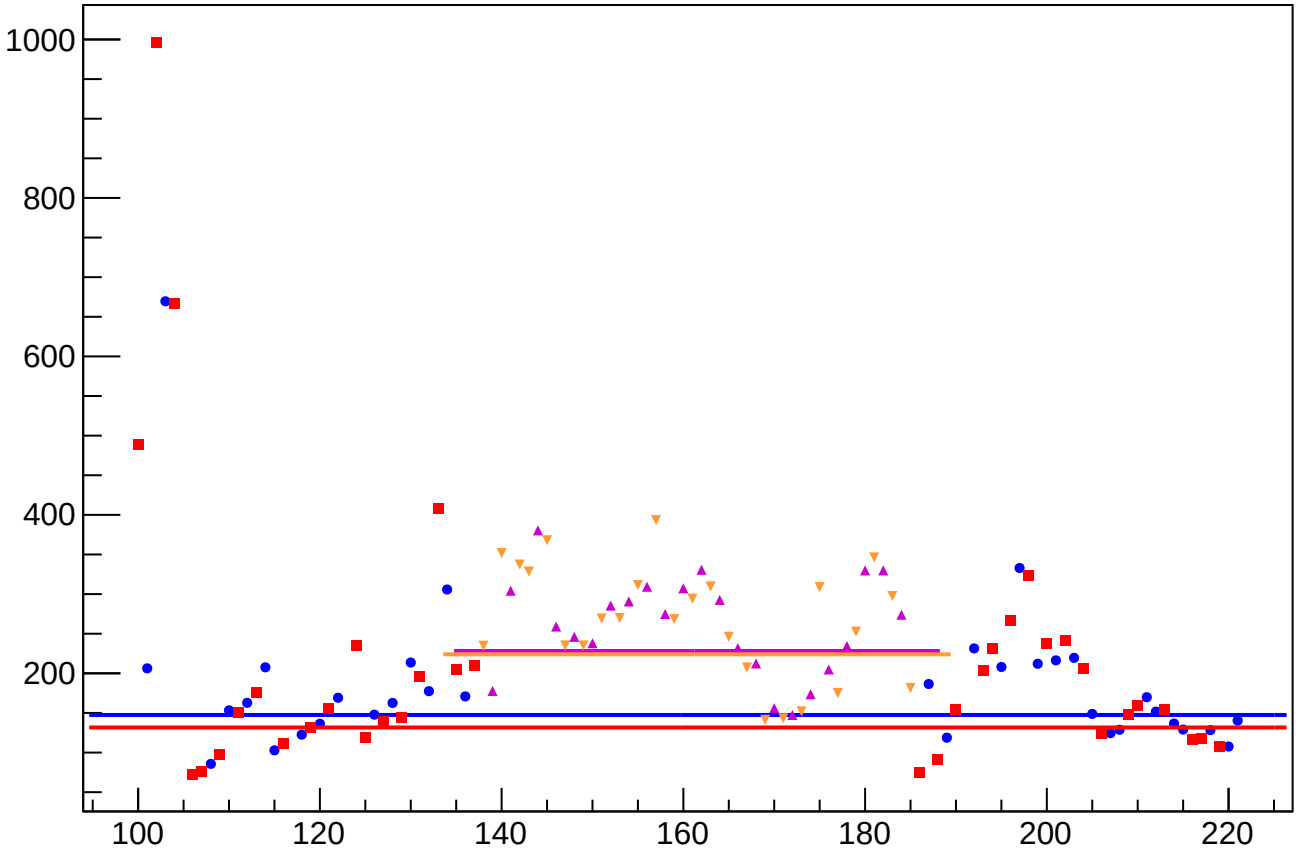
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.018+/-0.020 χ^2/NDF: 127.6/117

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.437+/-0.024 χ^2/NDF: 3573216.8/33

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

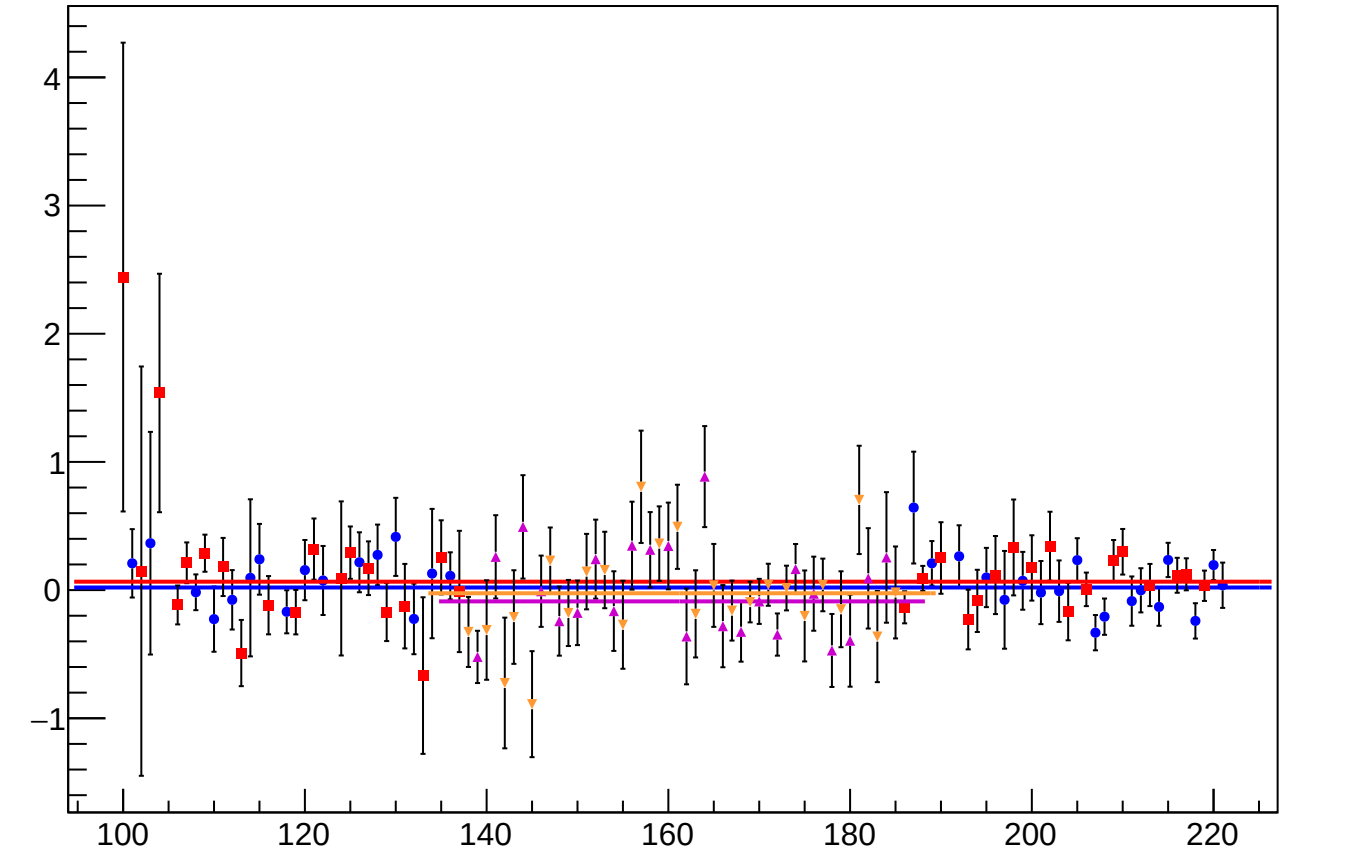
Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 168.751+/-0.020 χ^2/NDF: 9844834.8/58

All: 161.692+/-0.014 χ^2/NDF: 23185616.0/11

- sign 155.073+/-0.020 χ^2/NDF: 13108270.9/58



Right In: 0.020+/-0.034 χ^2/NDF: 33.7/33

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

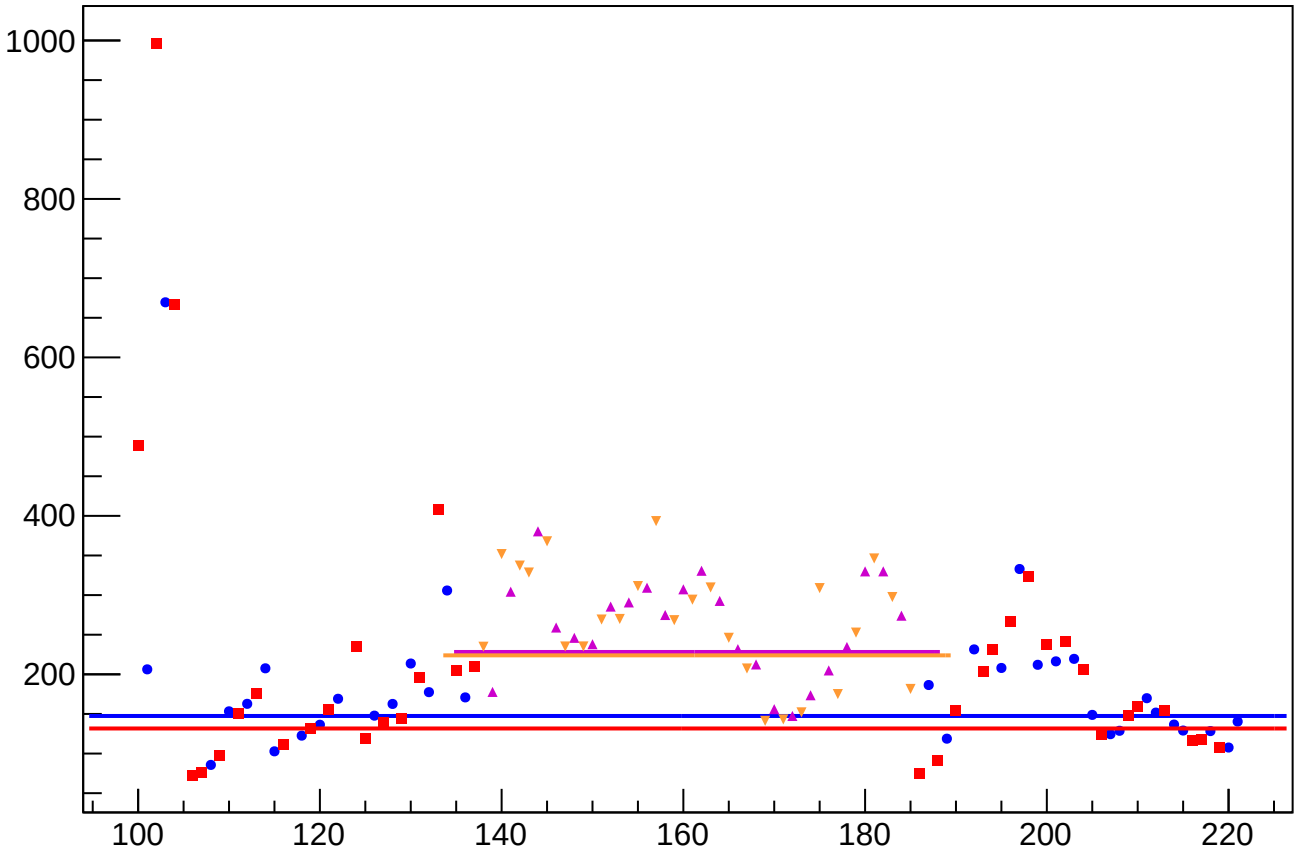
Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.008+/-0.029 χ^2/NDF: 58.3/58

All: 0.018+/-0.020 χ^2/NDF: 127.6/117

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58



Right In: 147.437+/-0.024 χ^2/NDF: 3573216.8/33

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

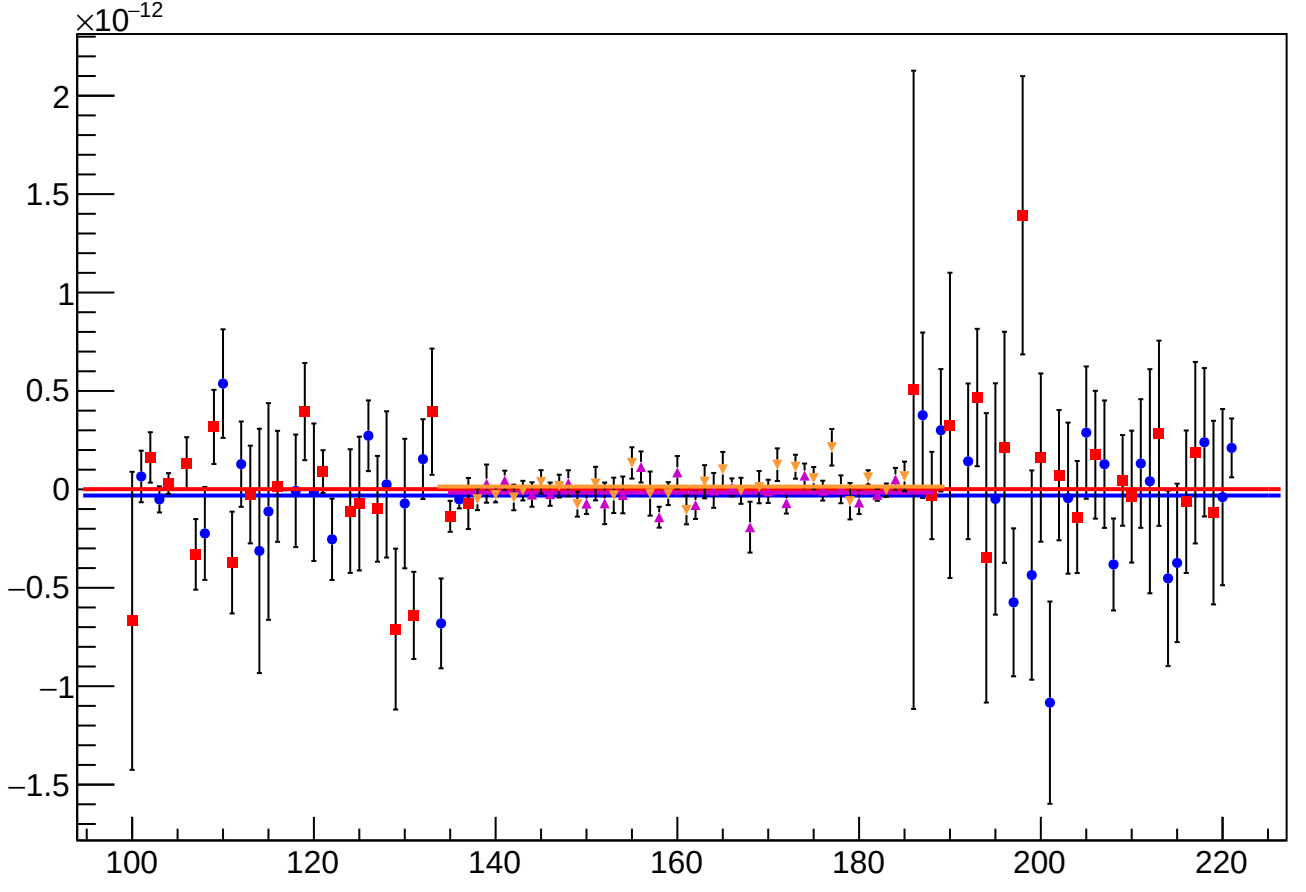
Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 168.751+/-0.020 χ^2/NDF: 9844834.8/58

All: 161.692+/-0.014 χ^2/NDF: 23185616.0/11

- sign 155.073+/-0.020 χ^2/NDF: 13108270.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

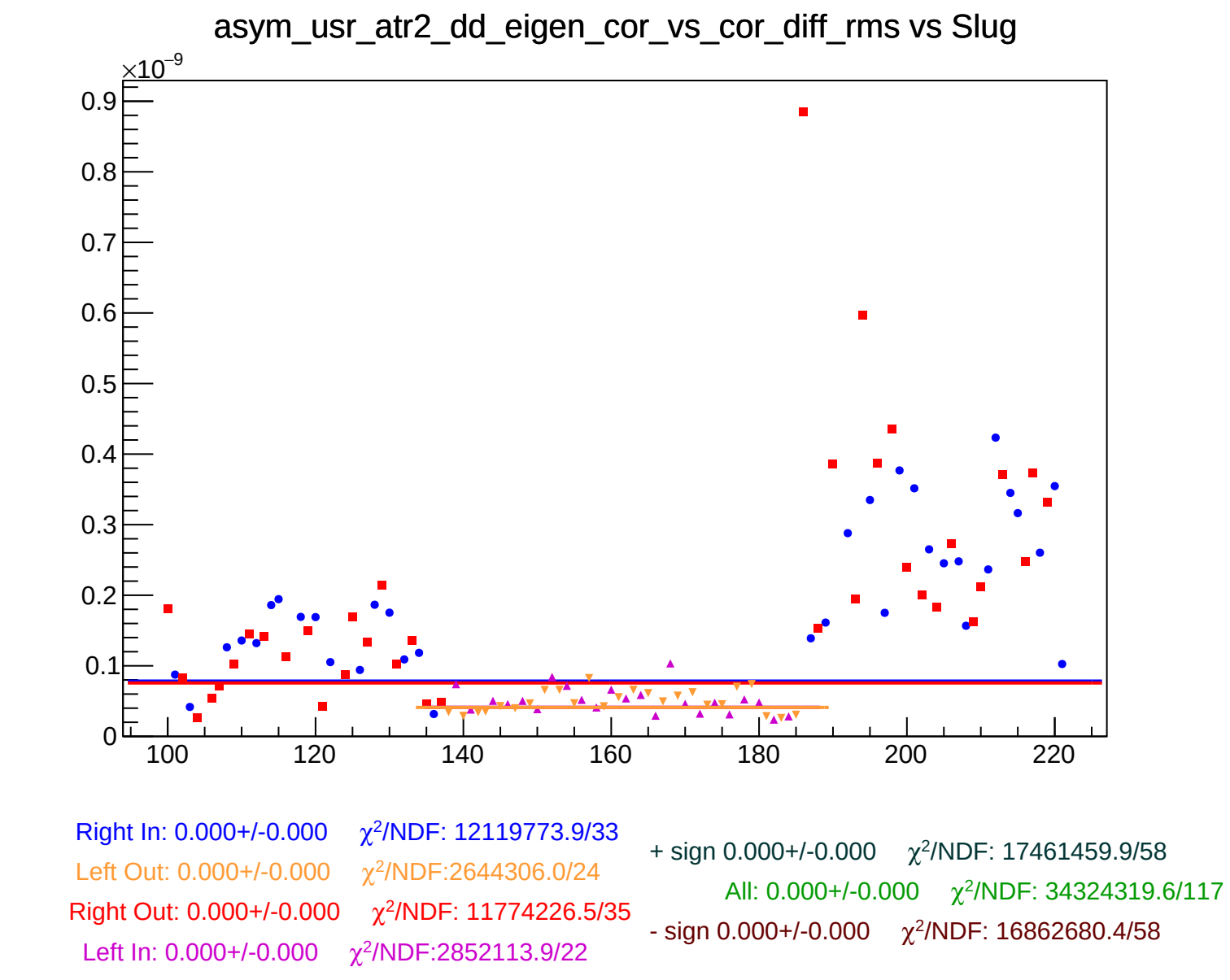
Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/35

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

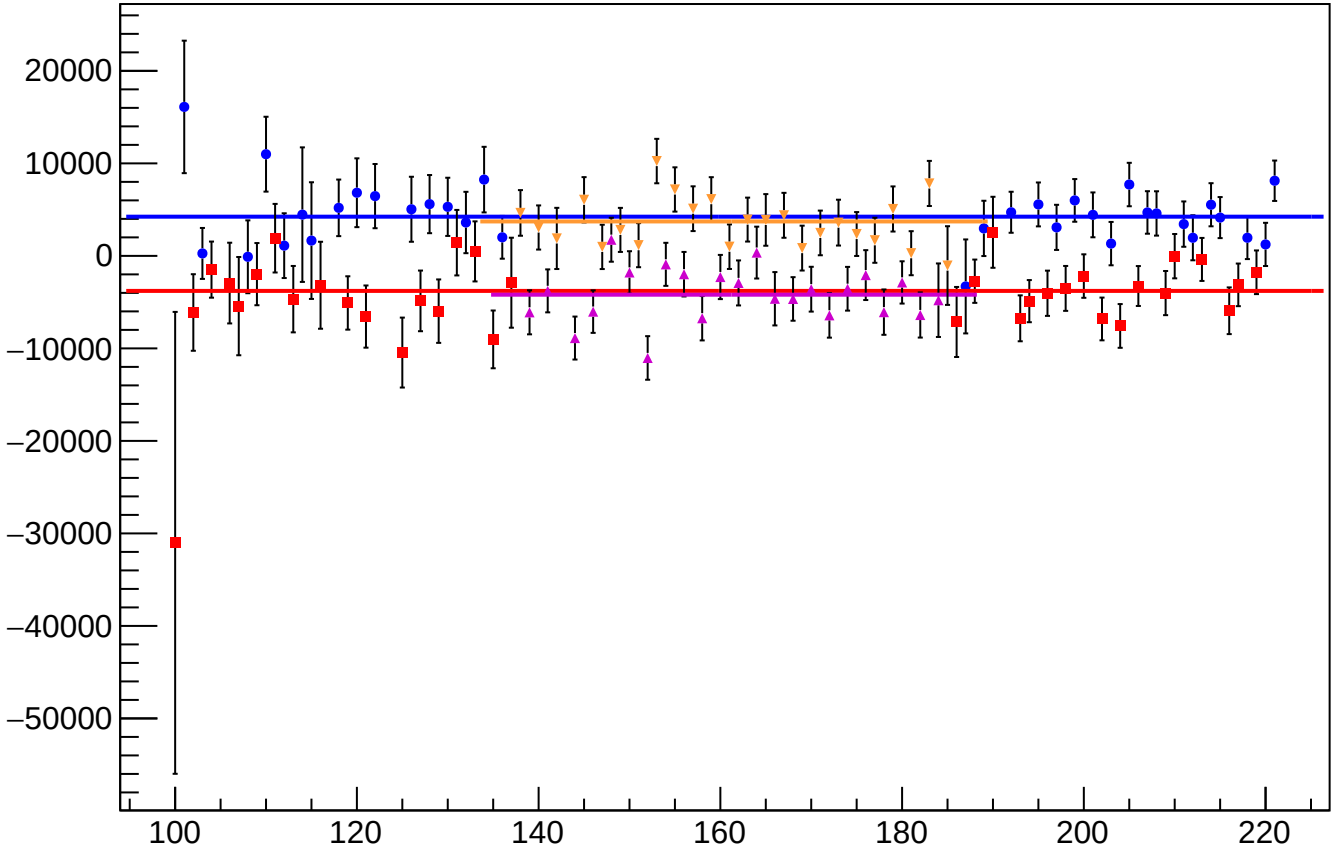
+ sign 0.000+/-0.000 χ^2/NDF: 64.4/58

All: -0.000+/-0.000 χ^2/NDF: 127.9/117

- sign -0.000+/-0.000 χ^2/NDF: 61.6/58


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 12119773.9/33
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11774226.5/35
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
+ sign 0.000+/-0.000 χ²/NDF: 17461459.9/58
All: 0.000+/-0.000 χ²/NDF: 34324319.6/117
- sign 0.000+/-0.000 χ²/NDF: 16862680.4/58

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4238.519+/-477.001 χ^2/NDF: 27.8/33

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3785.844+/-490.794 χ^2/NDF: 32.6/34

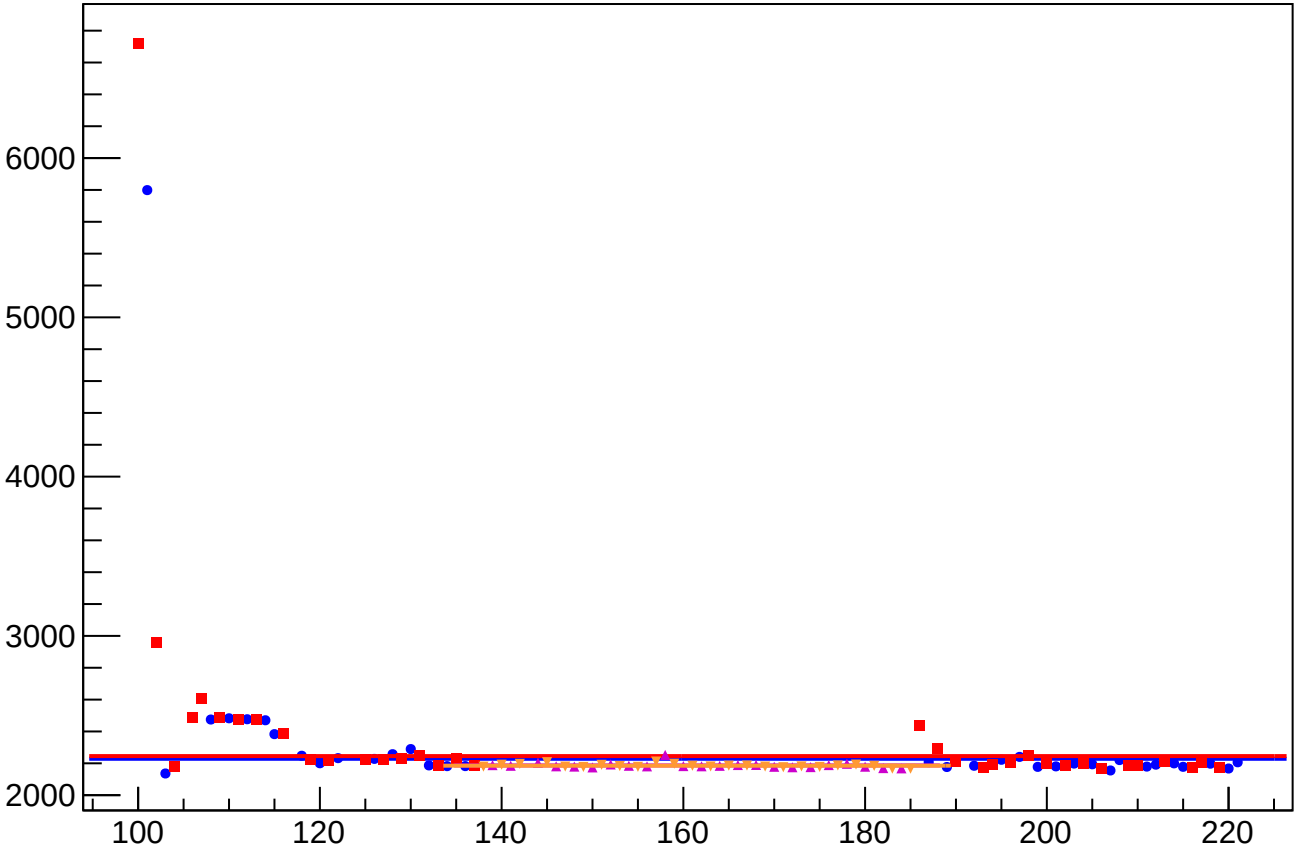
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3996.768+/-347.462 χ^2/NDF: 53.8/57

All: 79.453+/-247.914 χ^2/NDF: 377.7/115

- sign -3982.794+/-353.831 χ^2/NDF: 65.0/57

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2228.483+/-0.337 χ^2/NDF: 541778.1/33

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

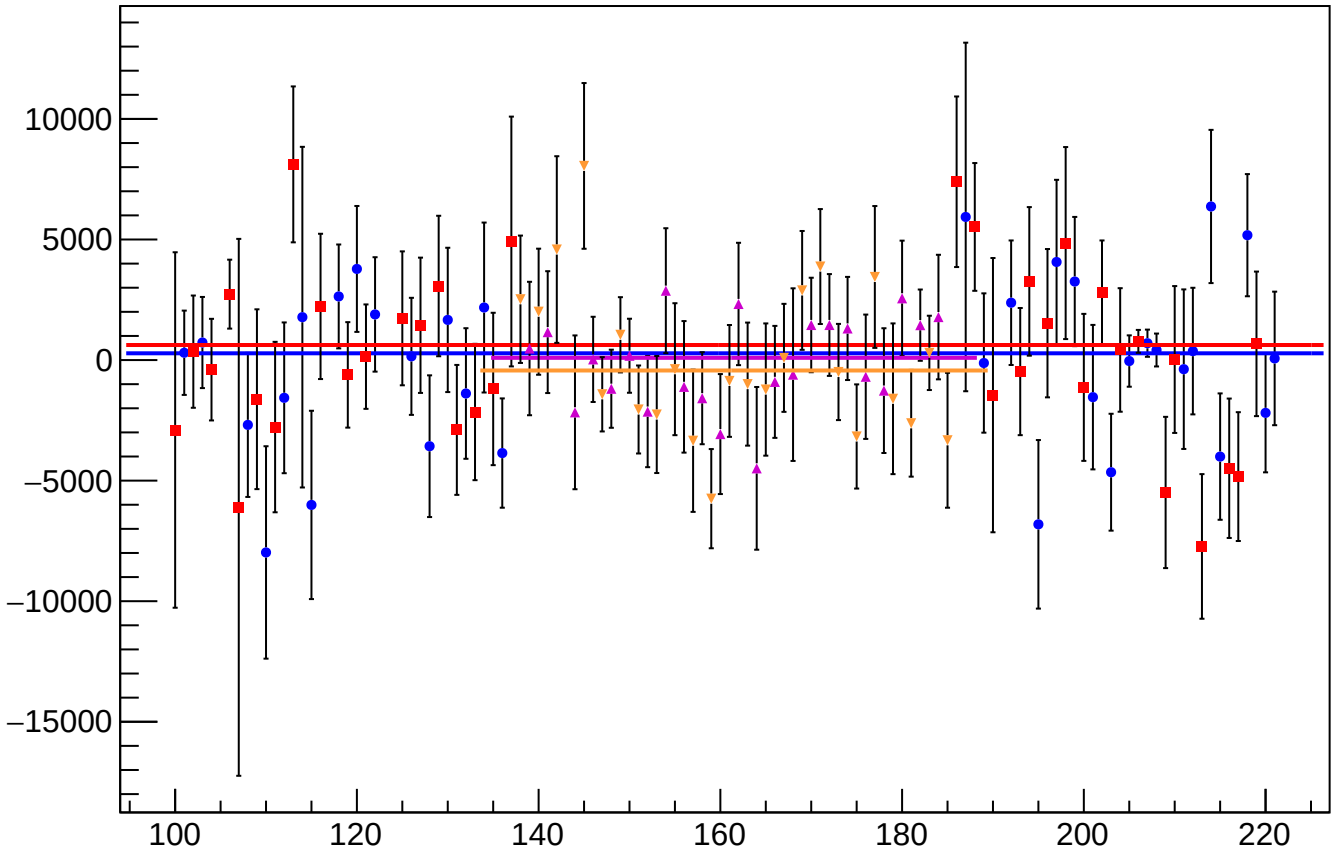
Right Out: 2245.327+/-0.347 χ^2/NDF: 191911.6/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.135+/-0.246 χ^2/NDF: 550347.1/57

All: 2212.582+/-0.175 χ^2/NDF: 758673.9/115

- sign 2217.193+/-0.250 χ^2/NDF: 207659.7/57



Right In: 280.419+/-311.691 χ^2/NDF: 41.1/33

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

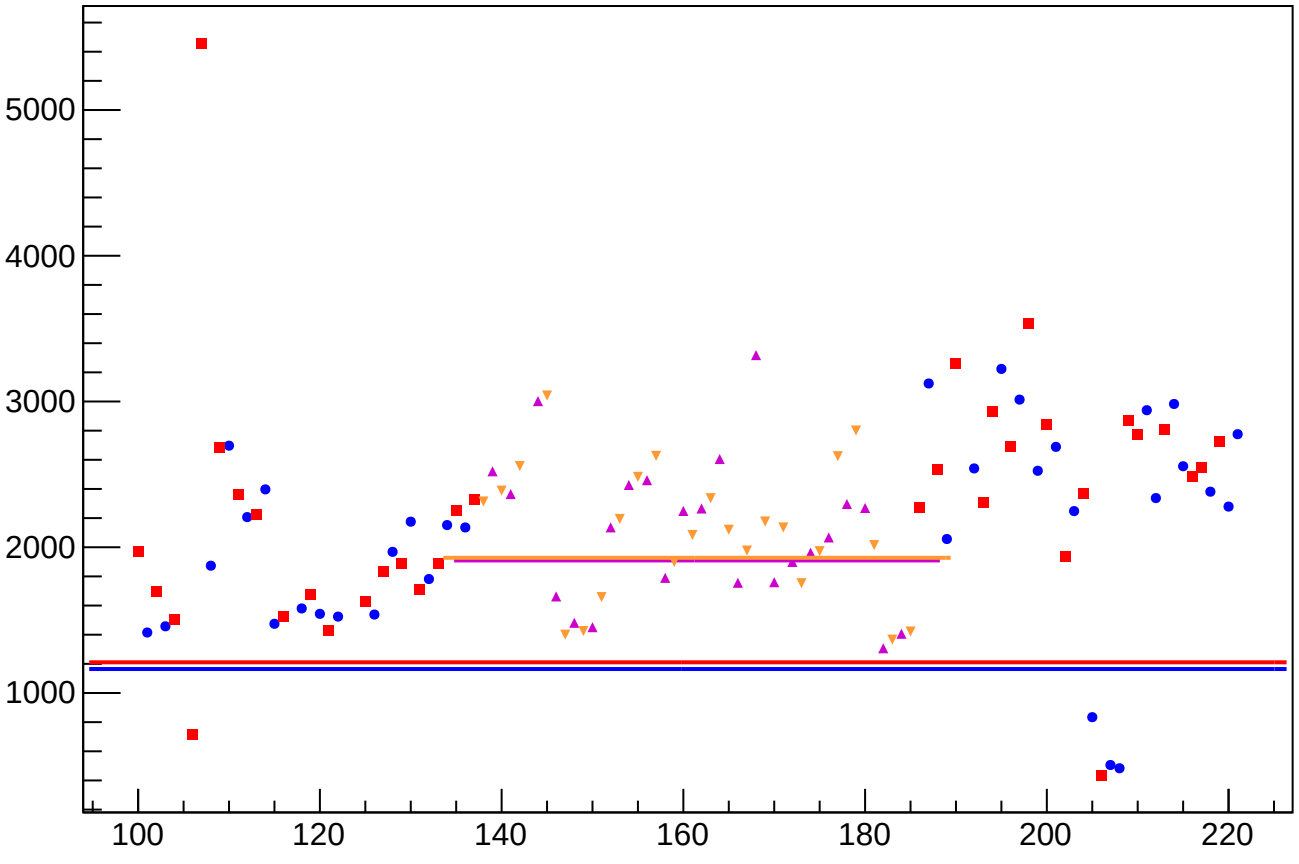
Right Out: 624.293+/-337.816 χ^2/NDF: 44.7/34

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign 57.746+/-258.453 χ^2/NDF: 74.1/57

All: 238.055+/-187.497 χ^2/NDF: 133.4/115

- sign 438.376+/-272.419 χ^2/NDF: 58.3/57



Right In: 1164.522+/-0.220 χ^2/NDF: 14232969.9/33

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1210.625+/-0.239 χ^2/NDF: 14989932.6/34

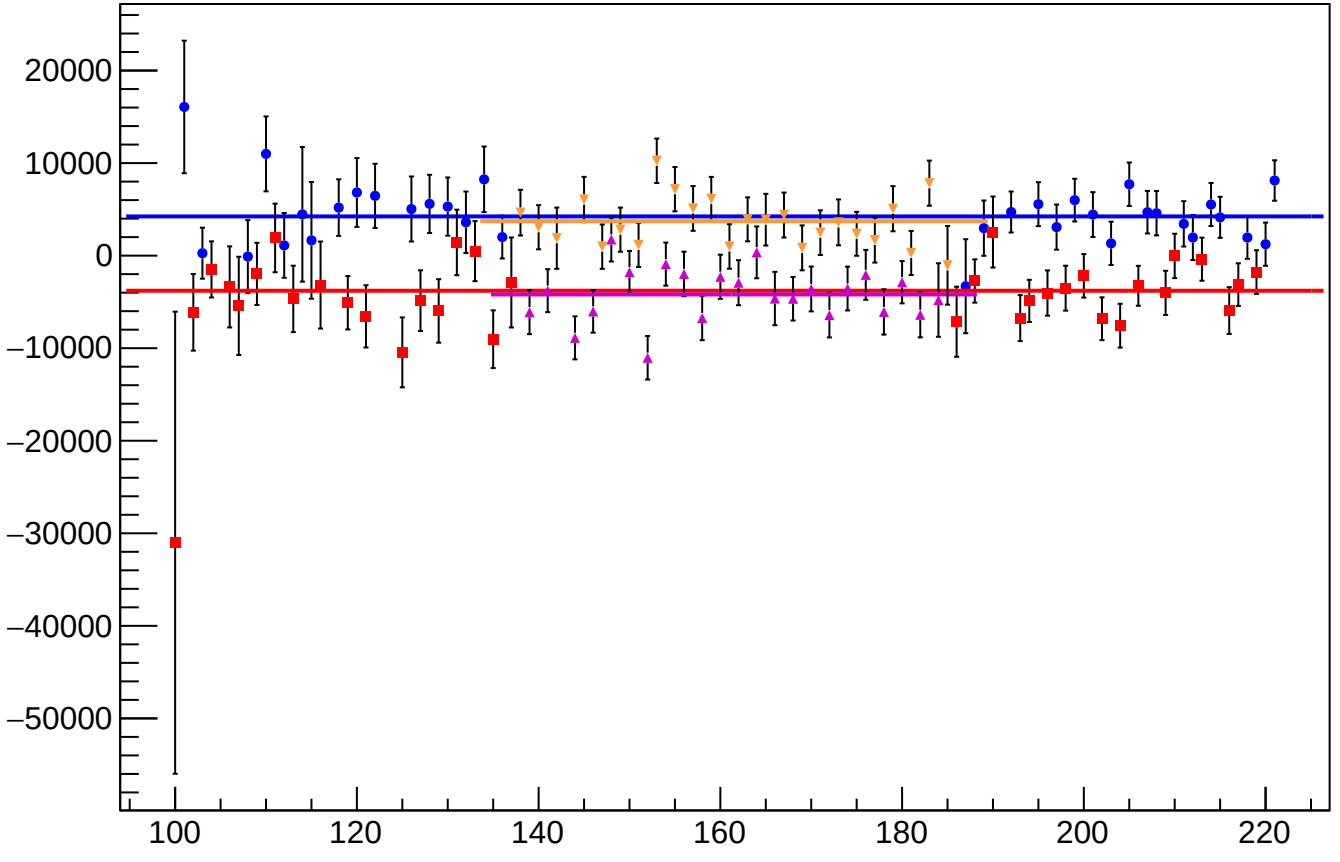
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1402.953+/-0.183 χ^2/NDF: 19777168.6/57

All: 1427.637+/-0.133 χ^2/NDF: 39742238.2/1

- sign 1455.062+/-0.193 χ^2/NDF: 19926556.8/57

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4238.269+/-477.001 χ^2/NDF: 27.8/33

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3791.601+/-490.821 χ^2/NDF: 32.5/34

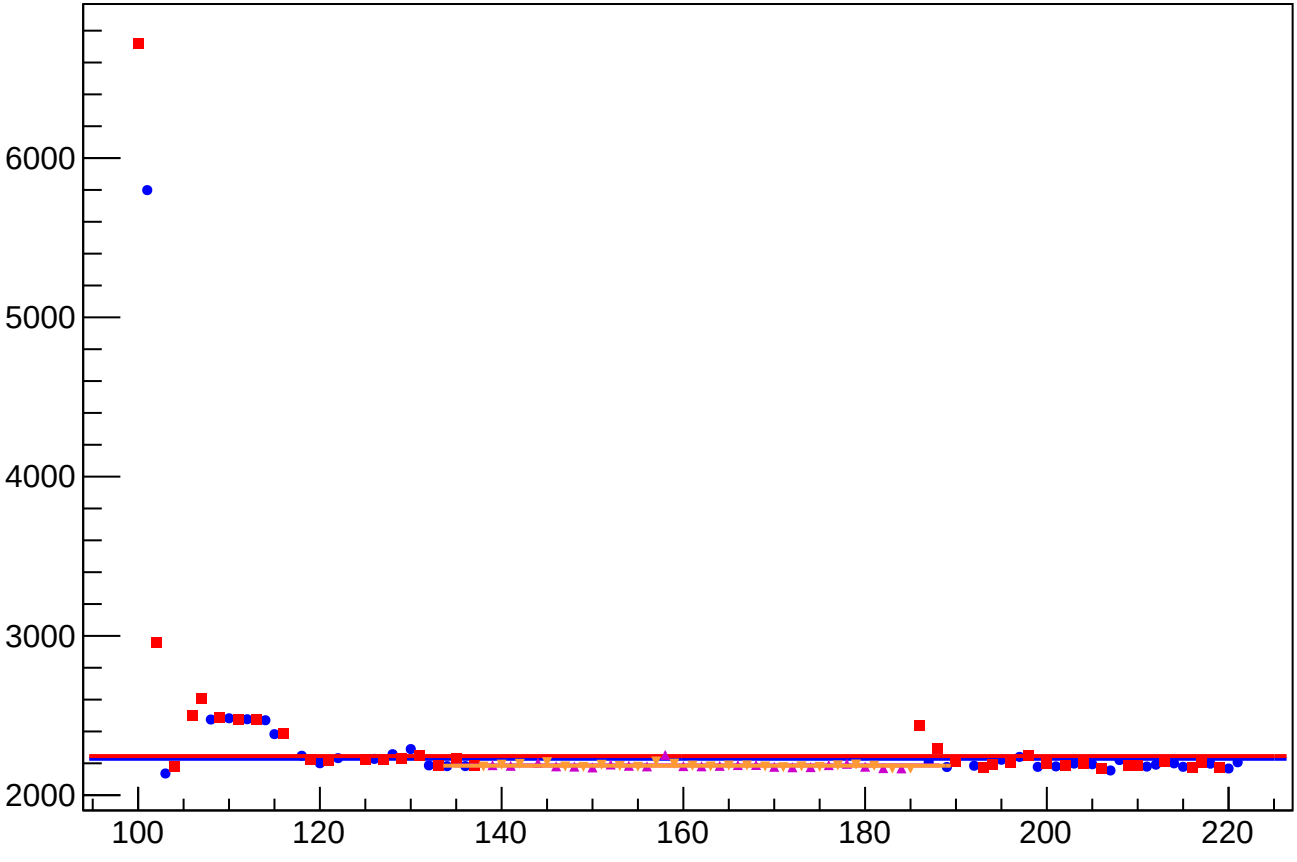
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

\+ sign 3996.610+/-347.462 χ^2/NDF: 53.8/57

All: 77.984+/-247.917 χ^2/NDF: 377.8/115

\- sign -3985.854+/-353.841 χ^2/NDF: 65.0/57

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2228.483+/-0.337 χ^2/NDF: 541778.5/33

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

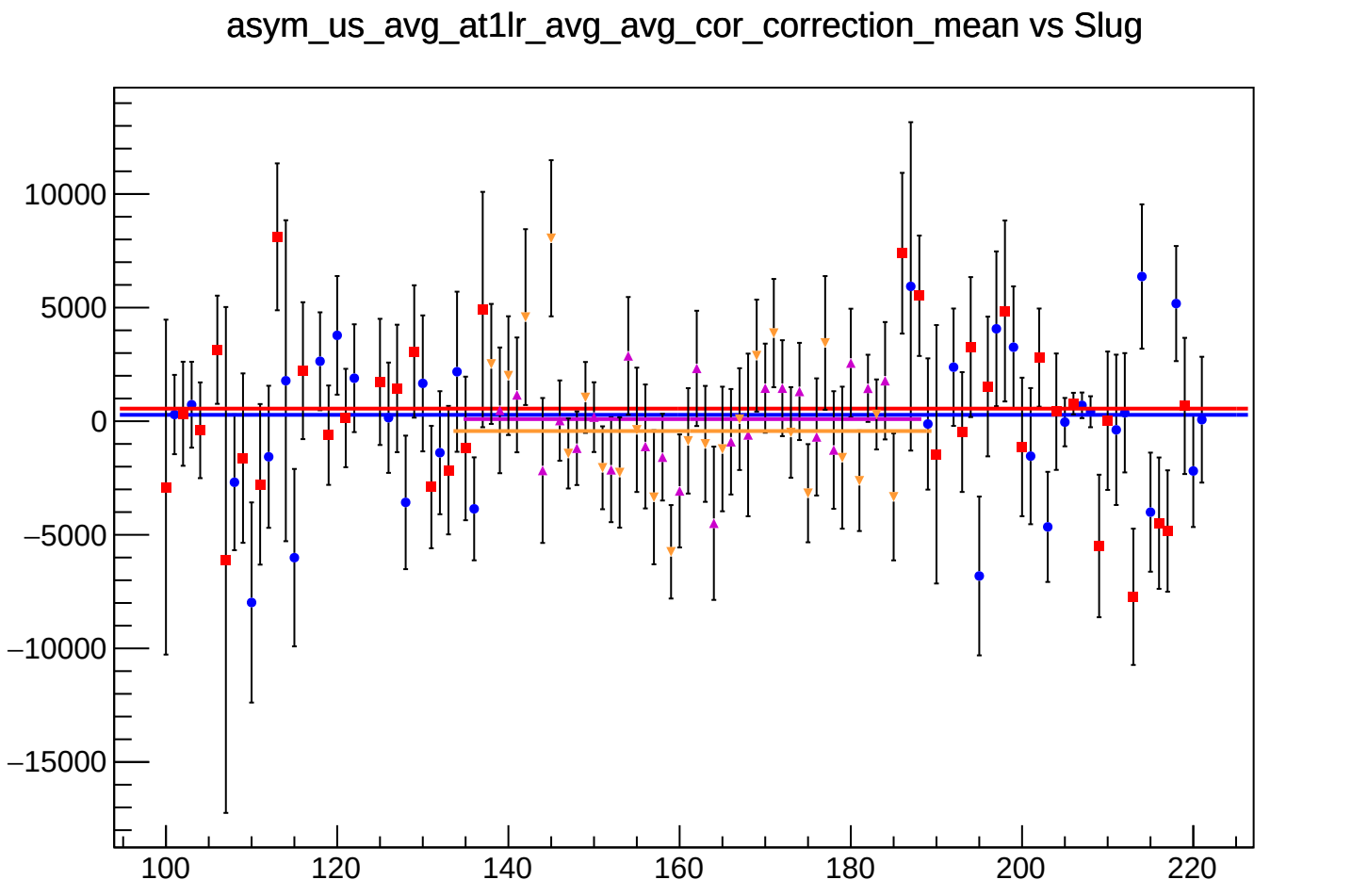
Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.135+/-0.246 χ^2/NDF: 550347.4/57

All: 2212.608+/-0.175 χ^2/NDF: 759237.0/115

- sign 2217.247+/-0.250 χ^2/NDF: 208214.3/57



Right In: 280.236+/-311.672 χ^2/NDF: 41.1/33

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

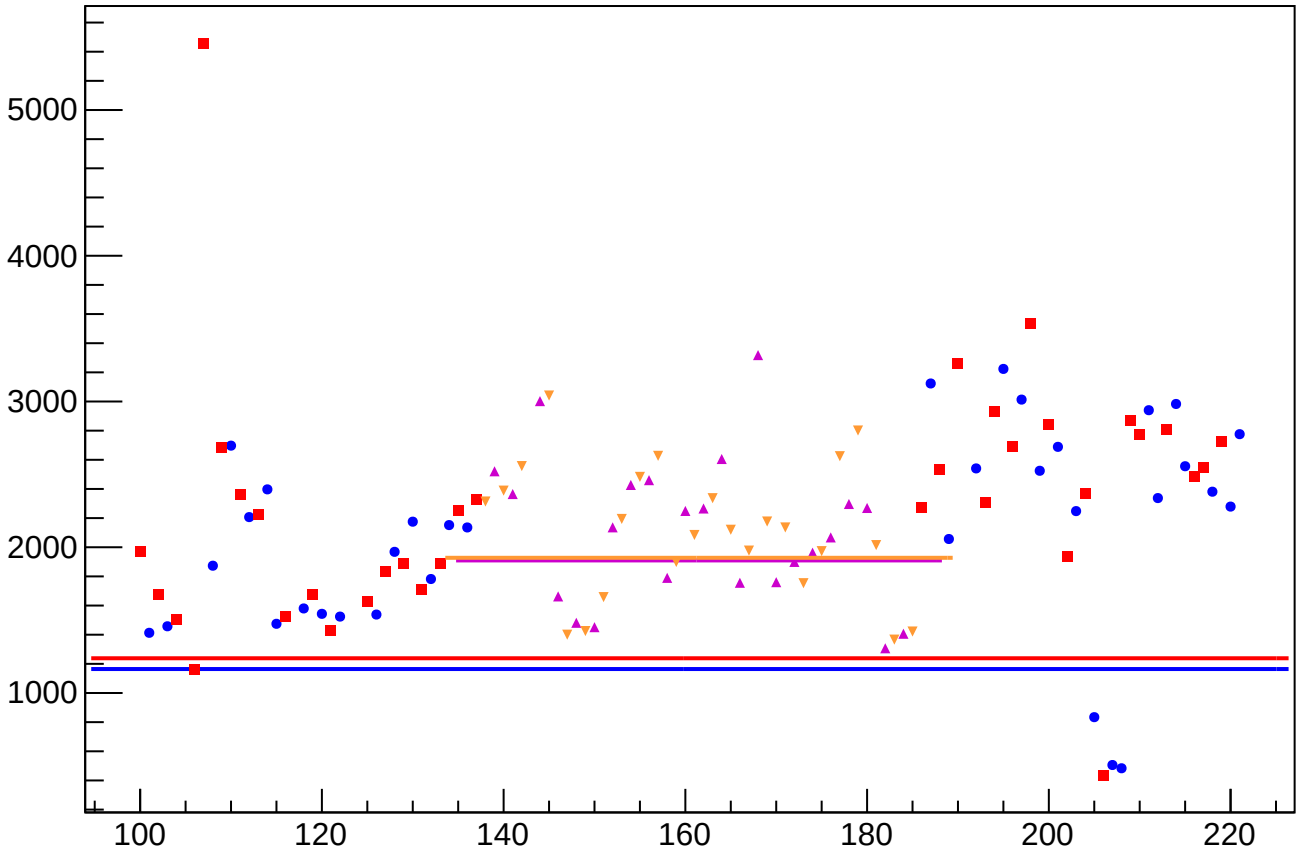
Right Out: 554.021+/-343.888 χ^2/NDF: 43.6/34

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 57.627+/-258.442 χ^2/NDF: 74.1/57

All: 212.650+/-188.512 χ^2/NDF: 131.8/115

- sign 388.906+/-275.573 χ^2/NDF: 57.0/57



Right In: 1164.454+/-0.220 χ^2/NDF: 14233040.7/33

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

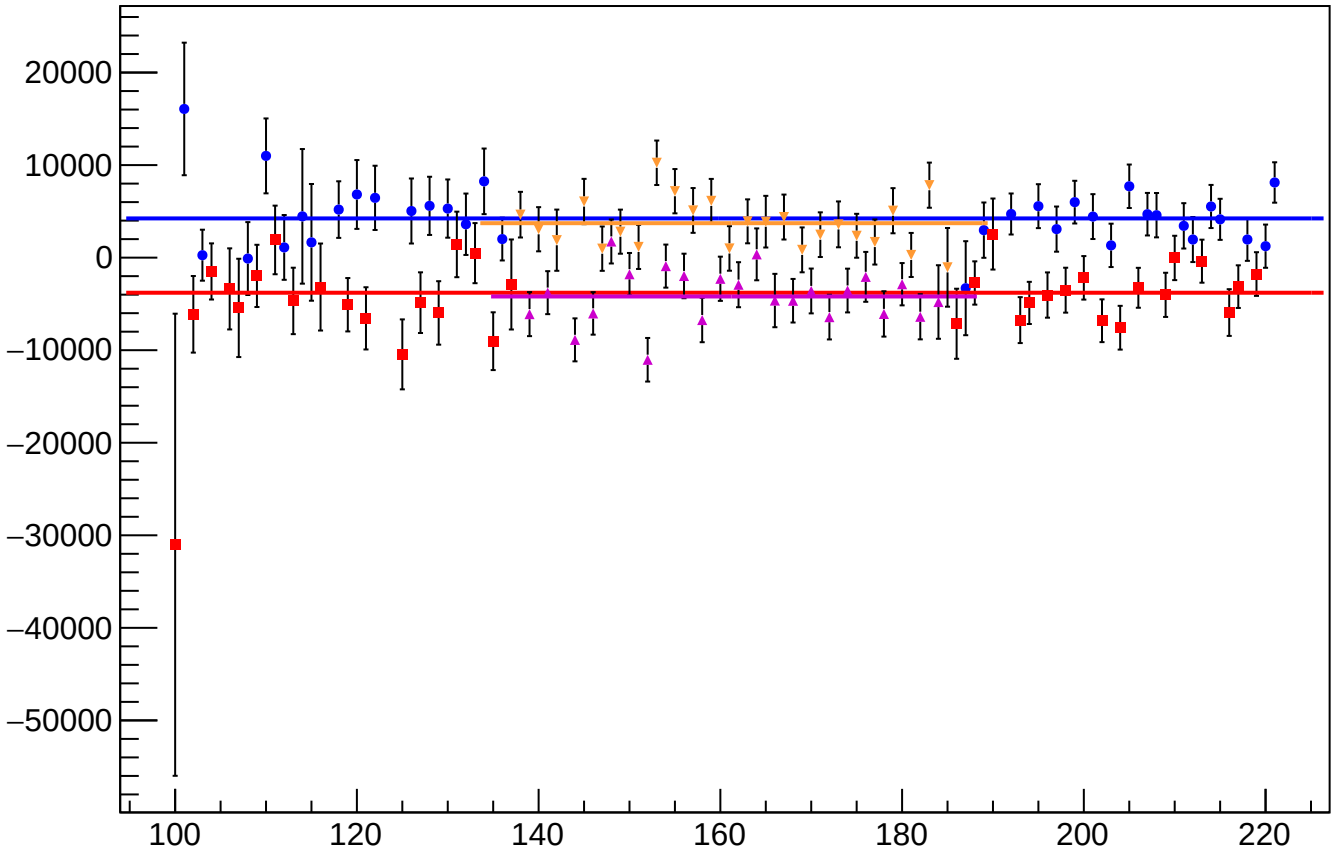
Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1402.885+/-0.183 χ^2/NDF: 19778067.2/57

All: 1438.291+/-0.133 χ^2/NDF: 39261085.2/1

- sign 1478.545+/-0.195 χ^2/NDF: 19402806.5/57



Right In: 4238.269+/-477.001 χ^2/NDF: 27.8/33

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

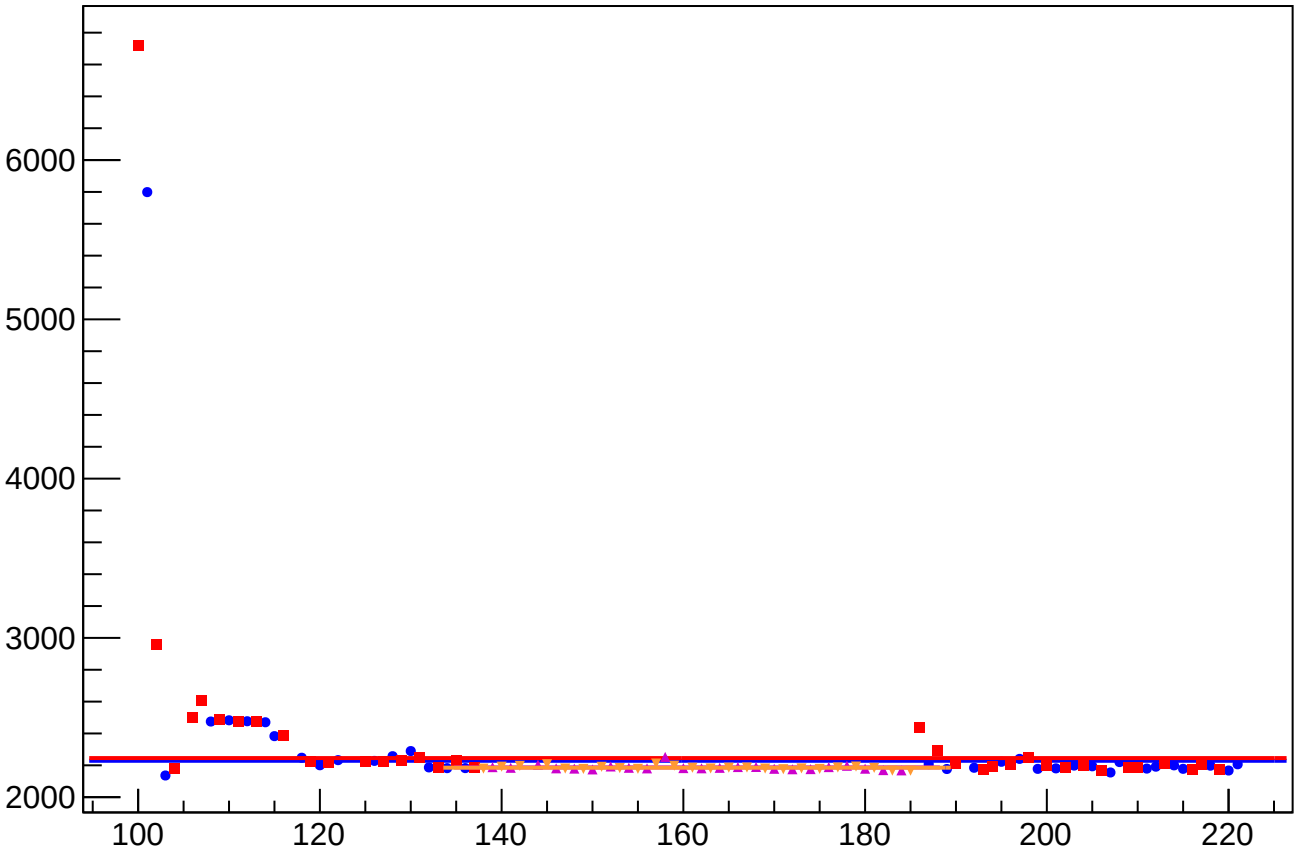
Right Out: -3791.601+/-490.821 χ^2/NDF: 32.5/34

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3996.610+/-347.462 χ^2/NDF: 53.8/57

All: 77.984+/-247.917 χ^2/NDF: 377.8/115

- sign -3985.854+/-353.841 χ^2/NDF: 65.0/57



Right In: 2228.483+/-0.337 χ^2/NDF: 541778.5/33

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

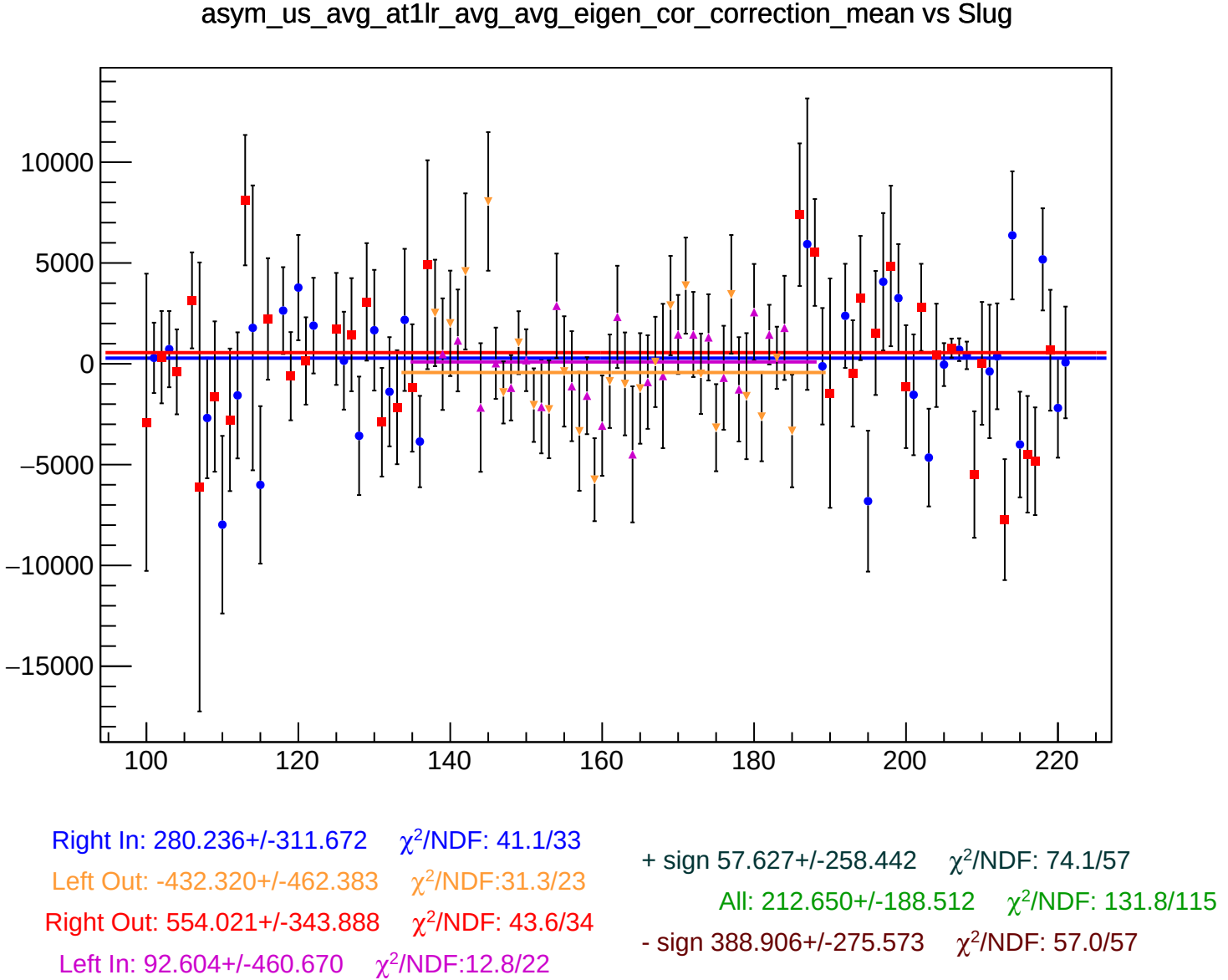
Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

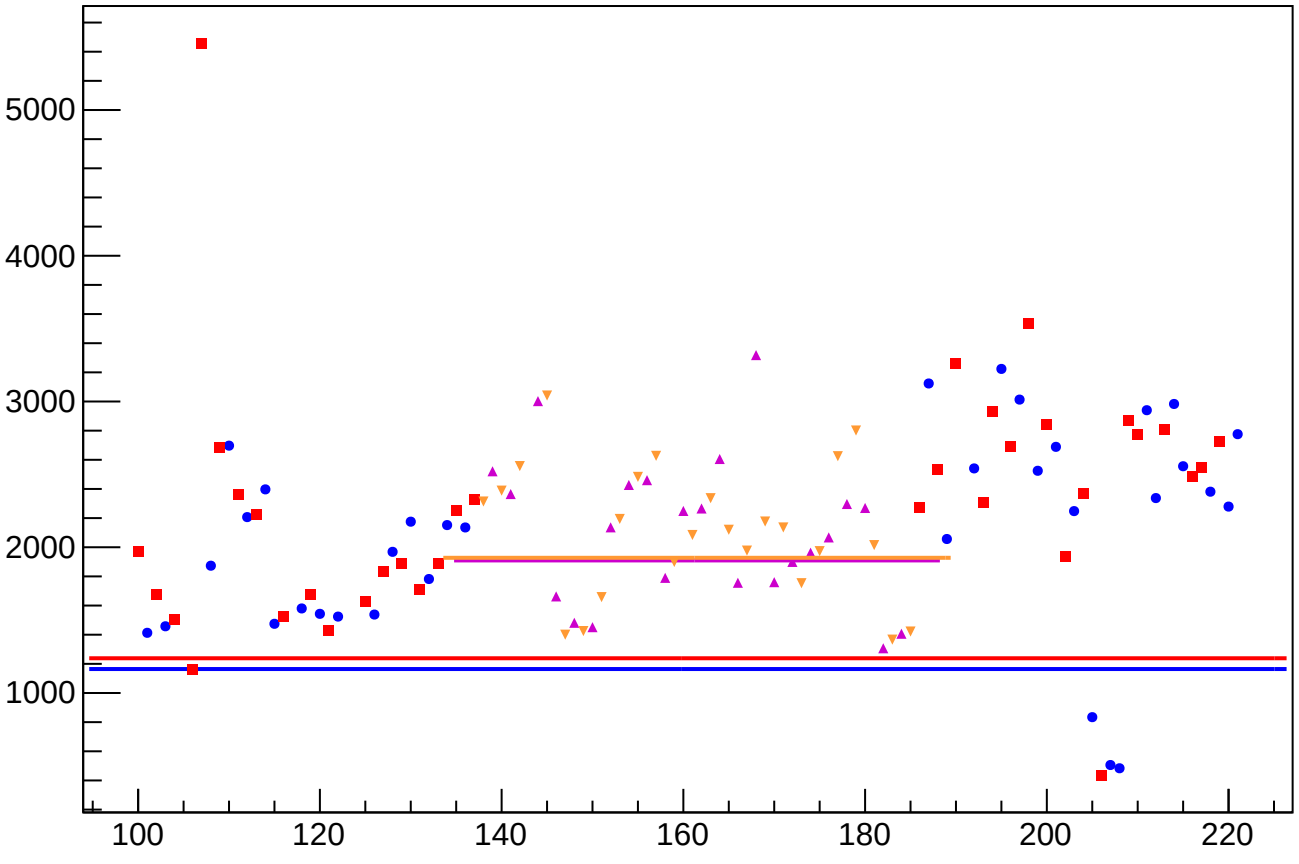
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.135+/-0.246 χ^2/NDF: 550347.4/57

All: 2212.608+/-0.175 χ^2/NDF: 759237.0/115

- sign 2217.247+/-0.250 χ^2/NDF: 208214.3/57


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 280.236+/-311.672 χ²/NDF: 41.1/33
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 554.021+/-343.888 χ²/NDF: 43.6/34
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 57.627+/-258.442 χ²/NDF: 74.1/57
All: 212.650+/-188.512 χ²/NDF: 131.8/115
- sign 388.906+/-275.573 χ²/NDF: 57.0/57



Right In: 1164.454+/-0.220 χ^2/NDF: 14233040.7/33

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

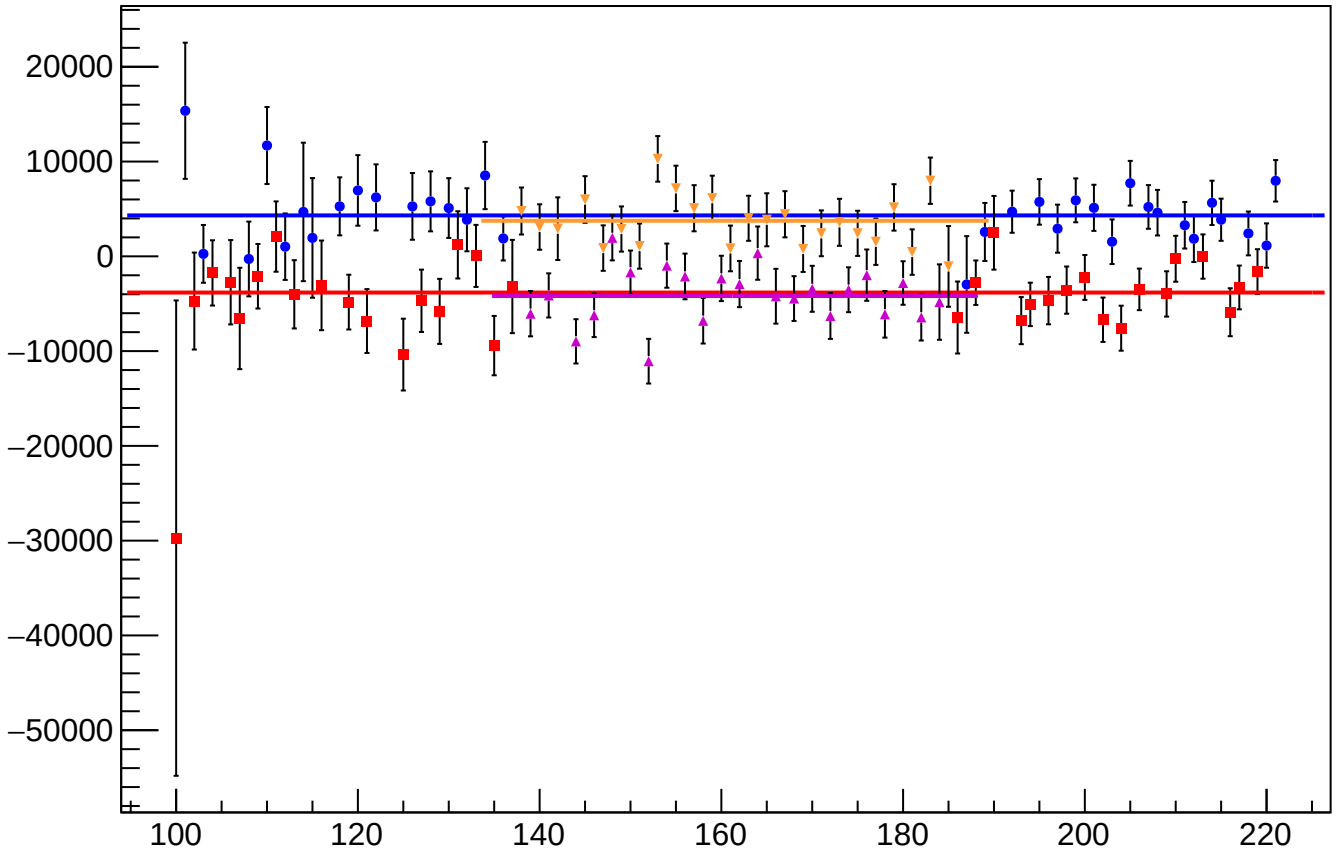
Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1402.885+/-0.183 χ^2/NDF: 19778067.2/57

All: 1438.291+/-0.133 χ^2/NDF: 39261085.2/1

- sign 1478.545+/-0.195 χ^2/NDF: 19402806.5/57



Right In: 4317.773+/-480.993 χ^2/NDF: 27.7/33

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3821.441+/-496.926 χ^2/NDF: 31.6/34

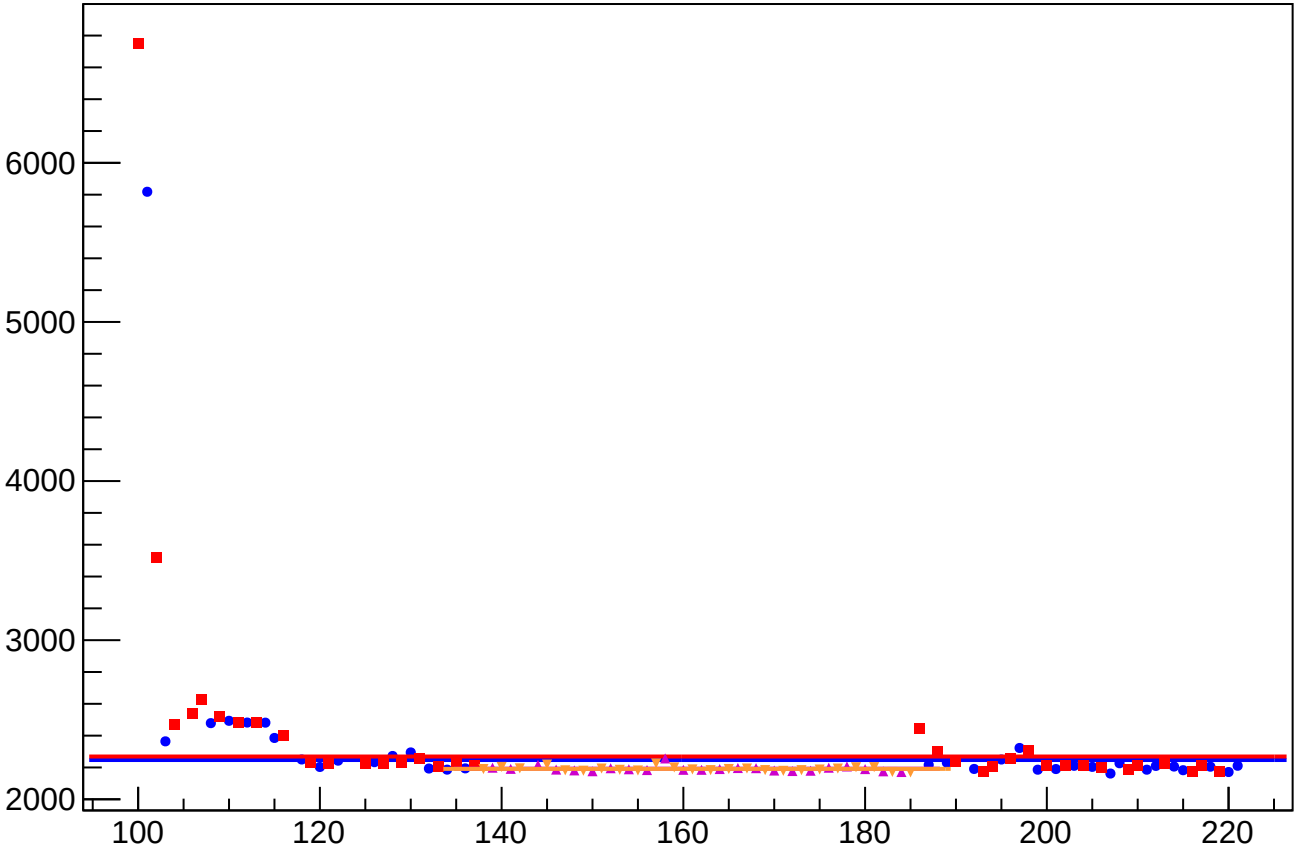
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4051.615+/-349.456 χ^2/NDF: 54.0/57

All: 107.881+/-249.571 χ^2/NDF: 378.5/115

- sign -3997.457+/-356.544 χ^2/NDF: 64.5/57

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2246.753+/-0.340 χ^2/NDF: 543303.5/33

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

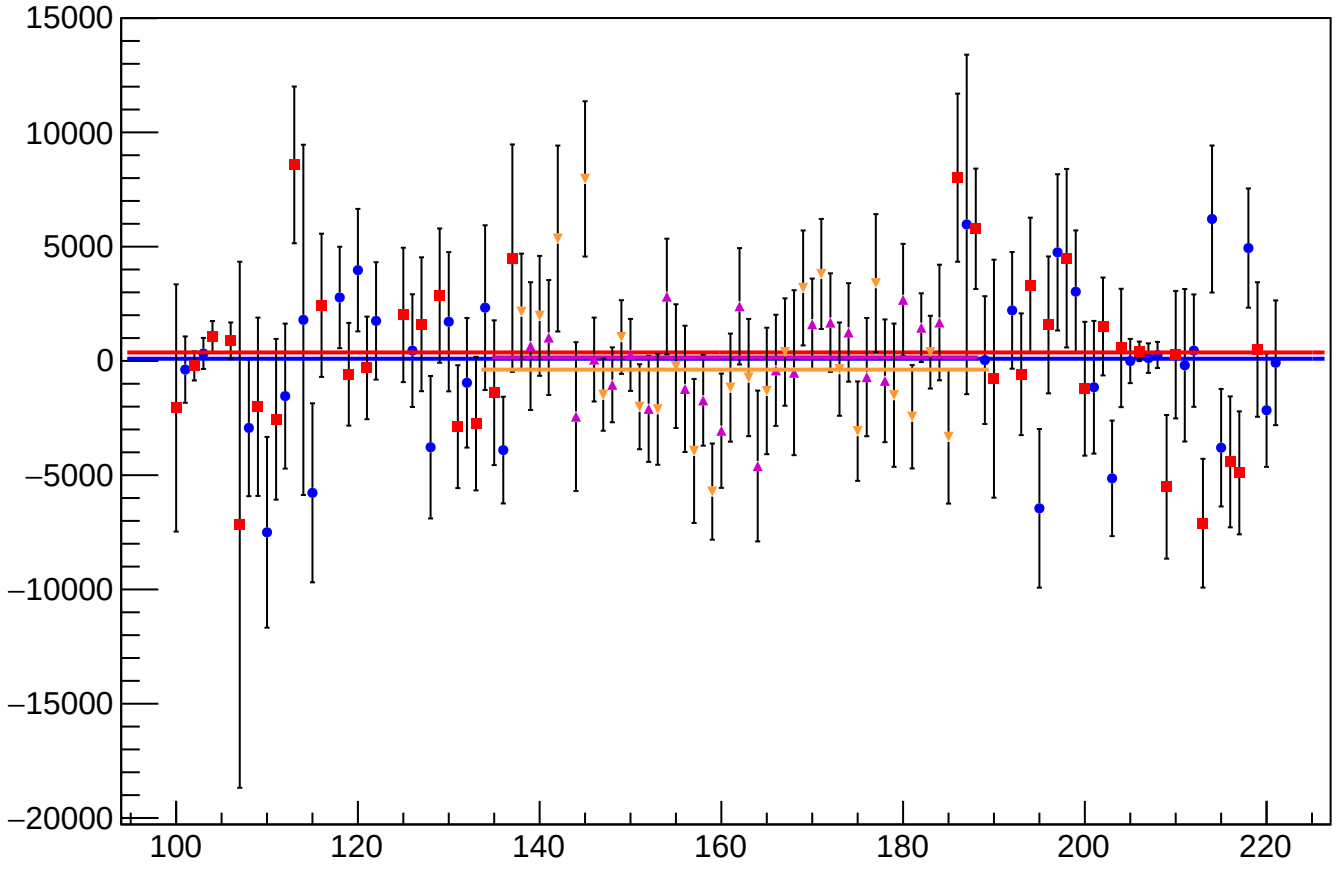
Right Out: 2268.770+/-0.351 χ^2/NDF: 261937.1/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2220.498+/-0.247 χ^2/NDF: 557153.4/57

All: 2225.947+/-0.176 χ^2/NDF: 845404.1/115

- sign 2231.619+/-0.252 χ^2/NDF: 287258.4/57



Right In: 95.164+/-281.939 χ^2/NDF: 39.1/33

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

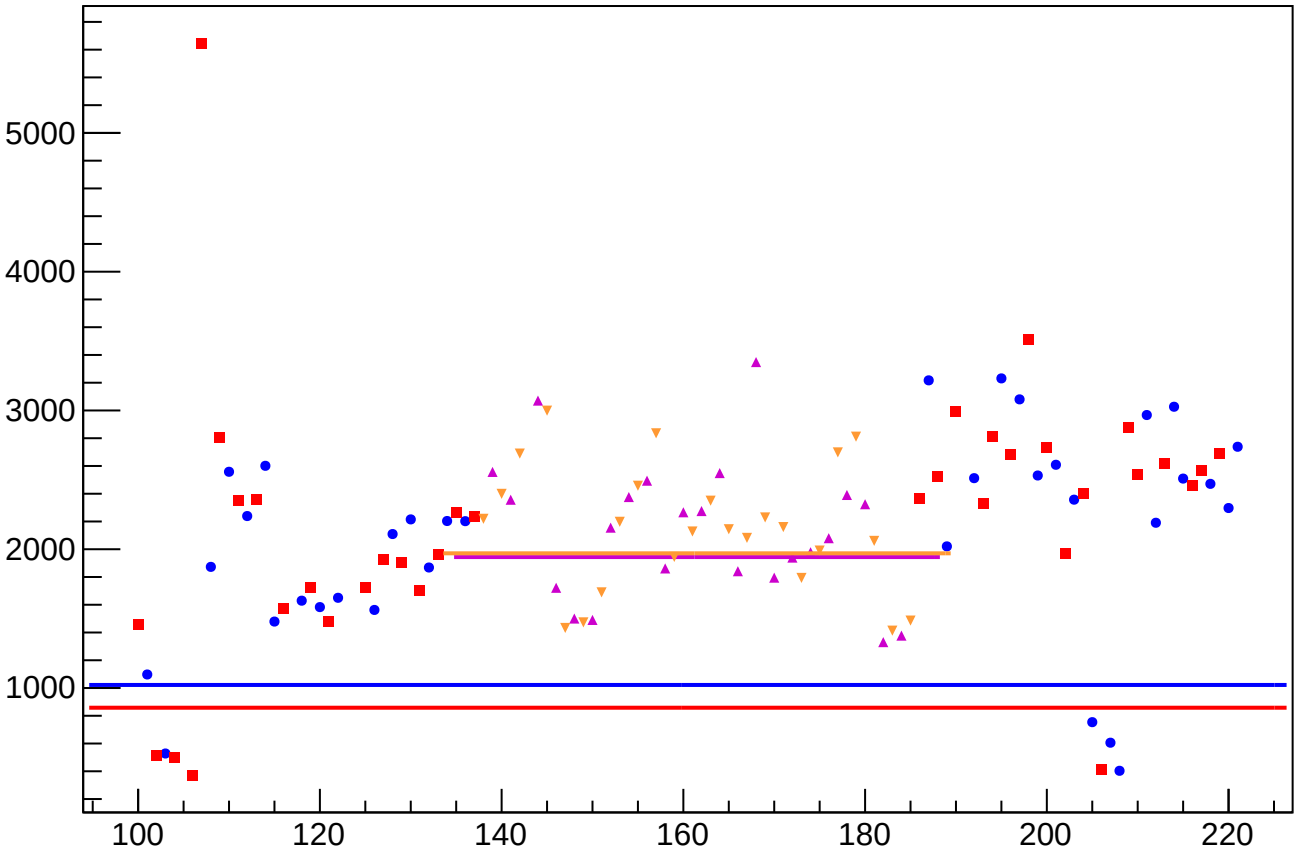
Right Out: 371.010+/-258.357 χ^2/NDF: 43.9/34

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -30.122+/-241.976 χ^2/NDF: 70.6/57

All: 156.974+/-165.236 χ^2/NDF: 128.6/115

\- sign 320.442+/-226.181 χ^2/NDF: 56.9/57



Right In: 1022.028+/-0.199 χ^2/NDF: 16069790.0/33

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

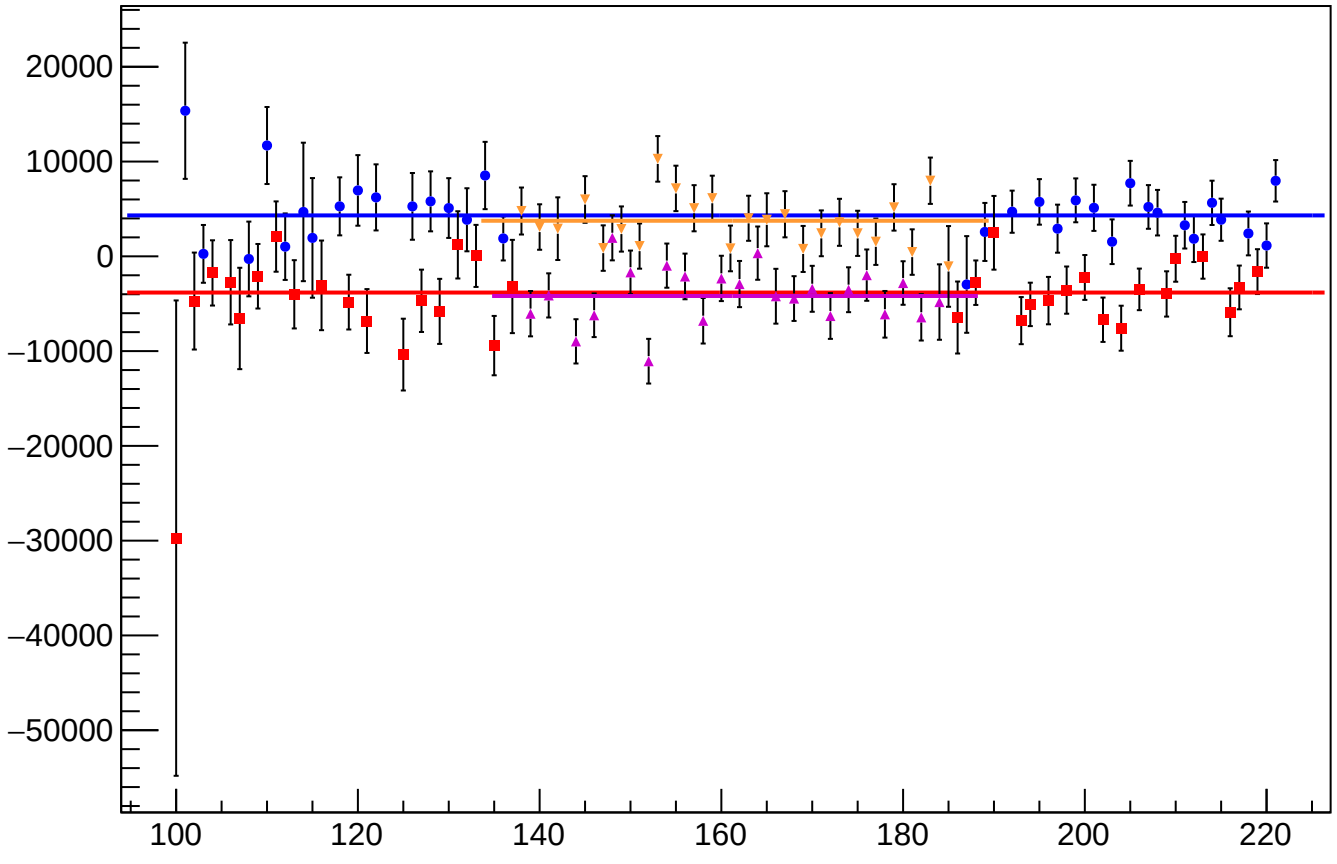
Right Out: 857.997+/-0.183 χ^2/NDF: 19165954.4/34

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1271.896+/-0.171 χ^2/NDF: 23730272.7/57

All: 1186.331+/-0.117 χ^2/NDF: 53496243.3/1

- sign 1111.571+/-0.160 χ^2/NDF: 29297384.7/57



Right In: 4317.773+/-480.993 χ^2/NDF: 27.7/33

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3821.441+/-496.926 χ^2/NDF: 31.6/34

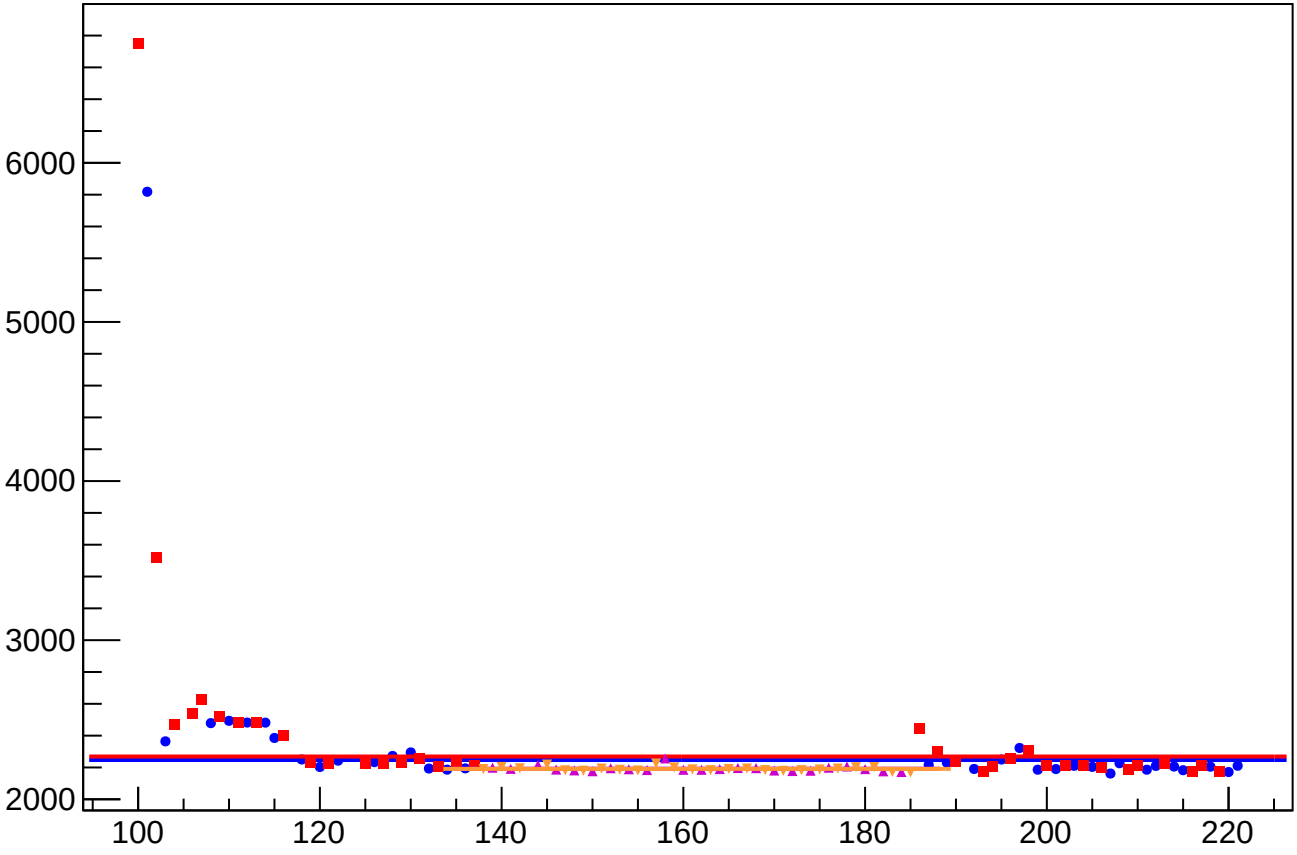
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4051.614+/-349.456 χ^2/NDF: 54.0/57

All: 107.880+/-249.571 χ^2/NDF: 378.5/115

- sign -3997.457+/-356.544 χ^2/NDF: 64.5/57

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2246.753+/-0.340 χ^2/NDF: 543303.3/33

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

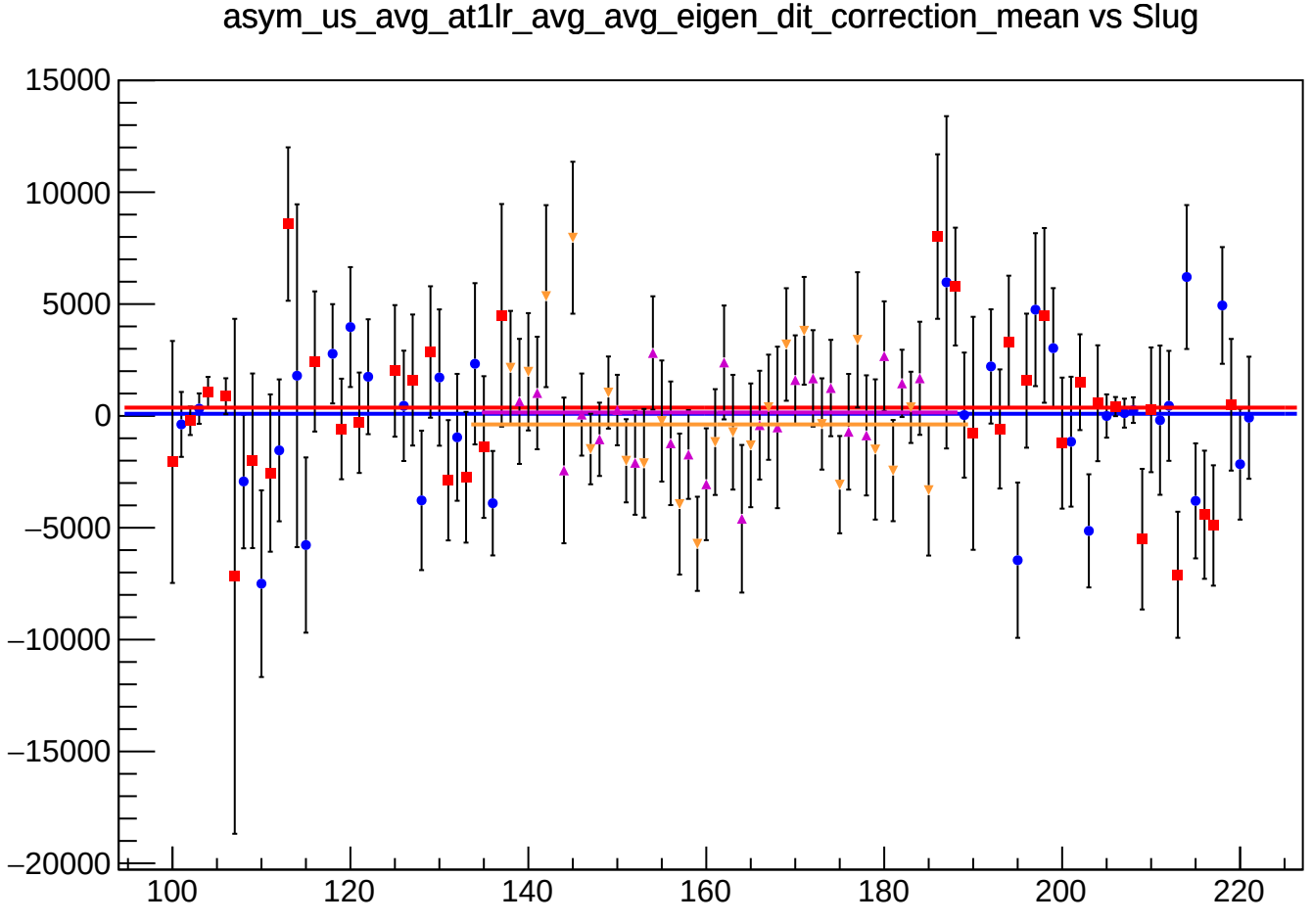
Right Out: 2268.770+/-0.351 χ^2/NDF: 261935.8/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2220.498+/-0.247 χ^2/NDF: 557153.1/57

All: 2225.947+/-0.176 χ^2/NDF: 845402.4/115

- sign 2231.619+/-0.252 χ^2/NDF: 287256.9/57



Right In: 95.161+/-281.940 χ^2/NDF: 39.1/33

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

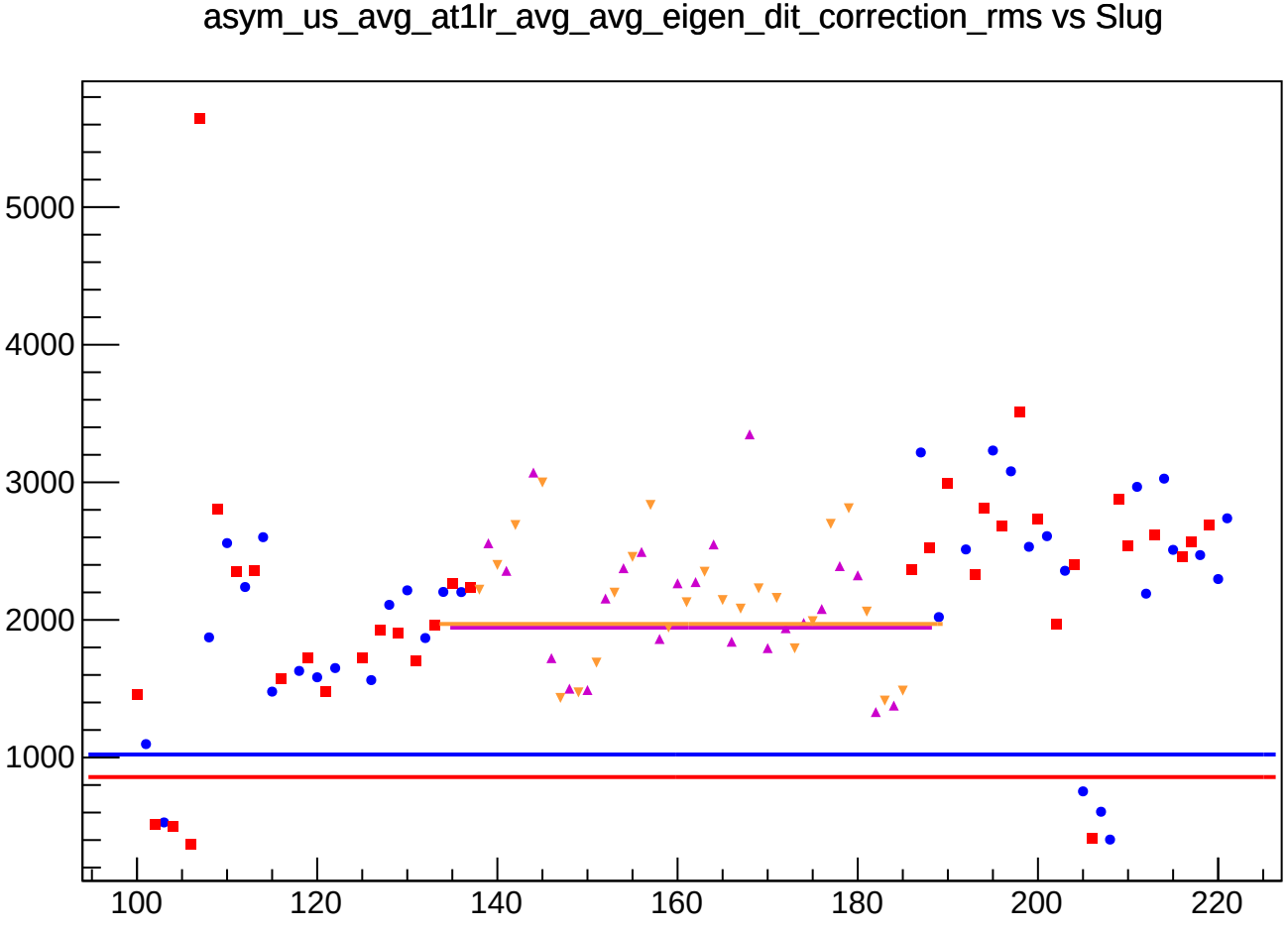
Right Out: 371.006+/-258.358 χ^2/NDF: 43.9/34

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -30.126+/-241.976 χ^2/NDF: 70.6/57

All: 156.970+/-165.236 χ^2/NDF: 128.6/115

- sign 320.439+/-226.182 χ^2/NDF: 56.9/57



Right In: 1022.028+/-0.199 χ^2/NDF: 16069817.3/33

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 858.002+/-0.183 χ^2/NDF: 19165870.0/34

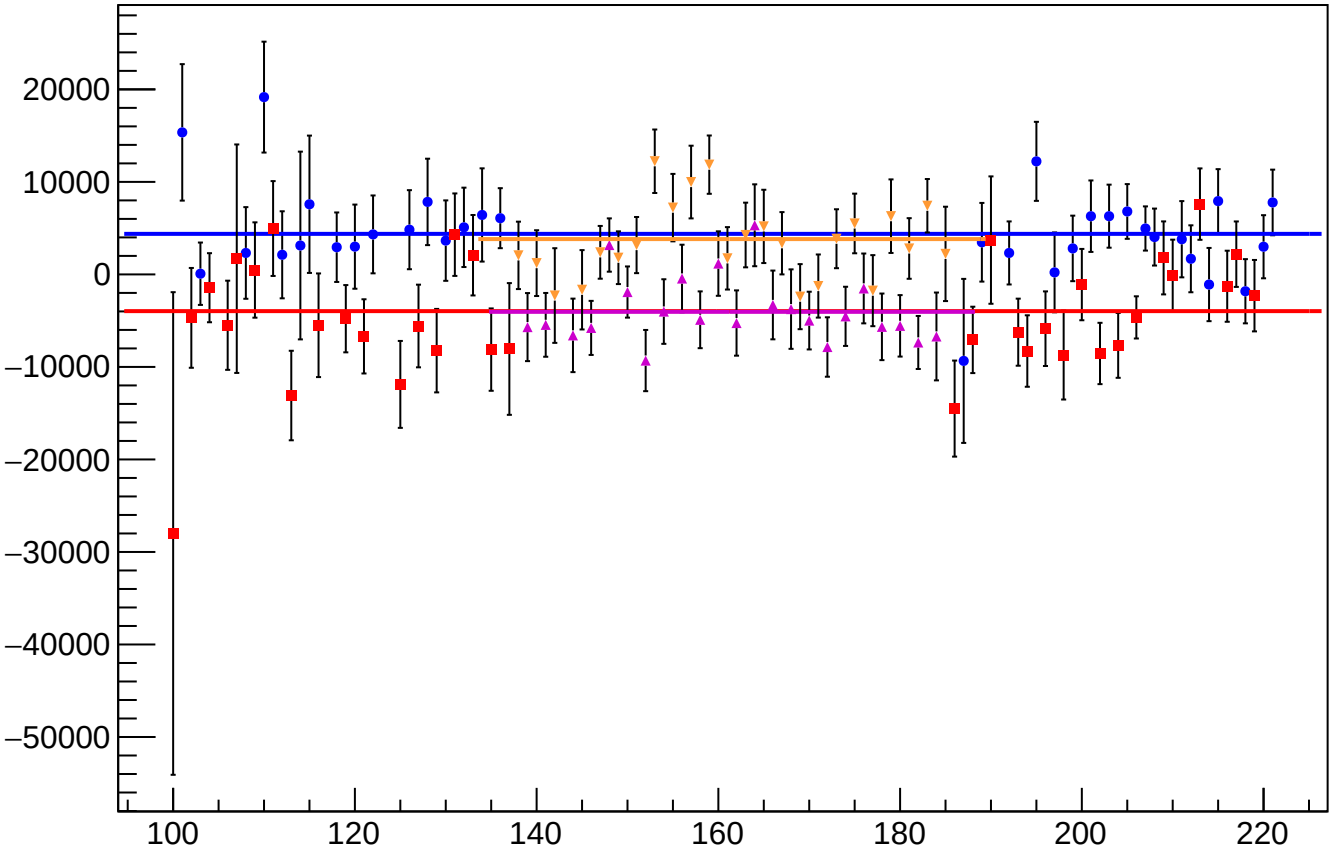
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1271.897+/-0.171 χ^2/NDF: 23730328.7/57

All: 1186.334+/-0.117 χ^2/NDF: 53496120.3/1

- sign 1111.576+/-0.160 χ^2/NDF: 29297238.0/57

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4383.101+/-676.026 χ^2/NDF: 28.3/33

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -3968.165+/-708.588 χ^2/NDF: 48.4/34

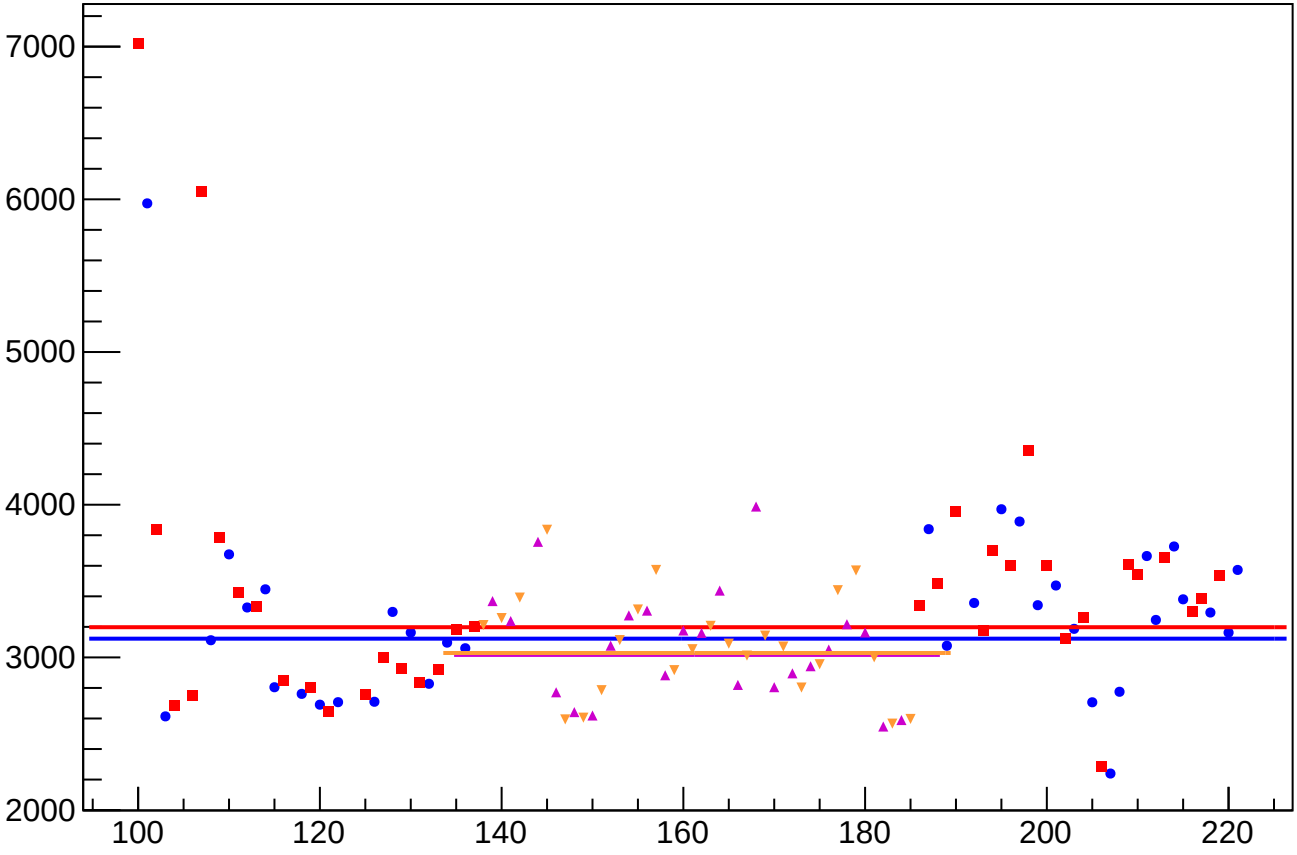
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4113.645+/-489.038 χ^2/NDF: 59.5/57

All: 155.479+/-350.089 χ^2/NDF: 264.7/115

- sign -4005.242+/-501.395 χ^2/NDF: 70.9/57

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3122.759+/-0.478 χ^2/NDF: 1118754.9/33

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

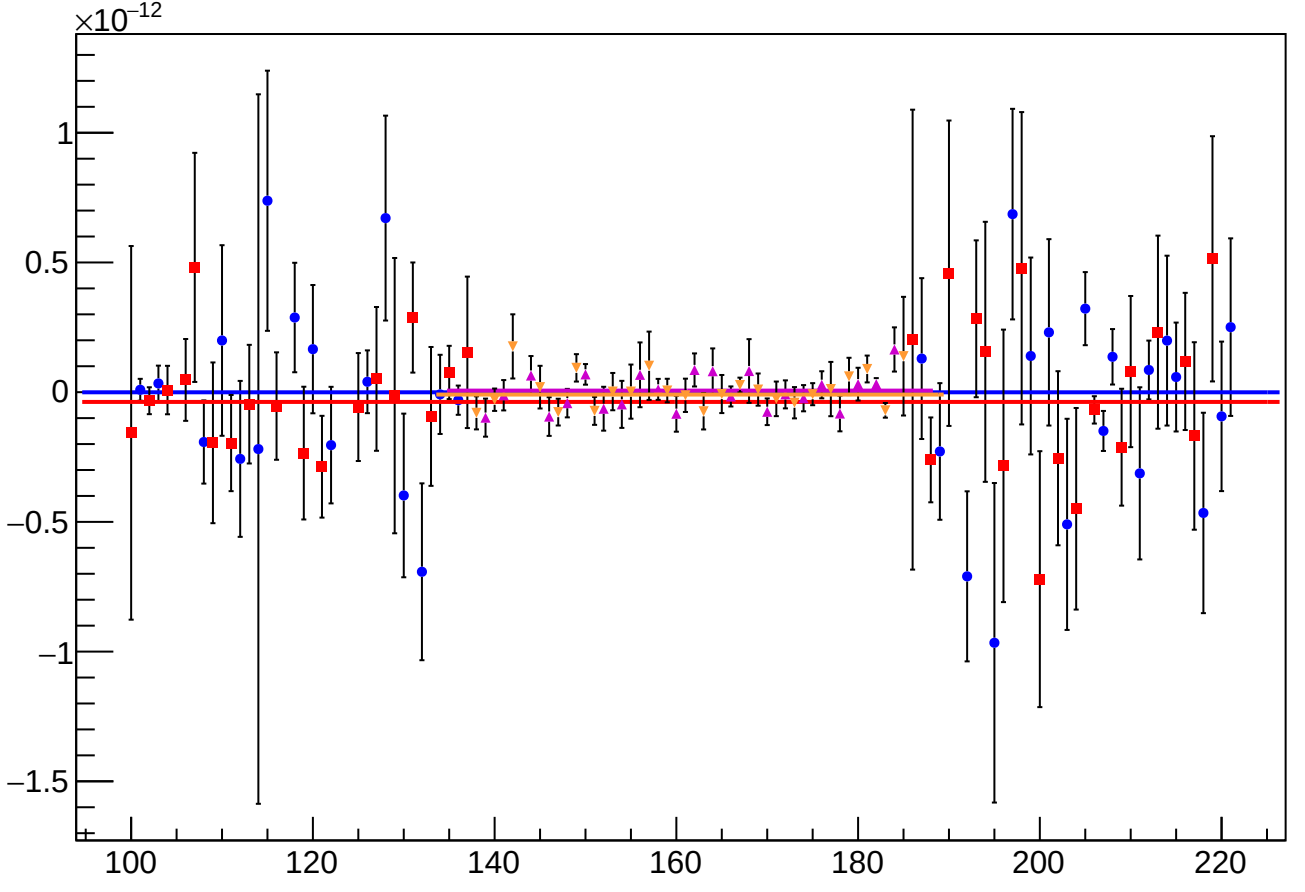
Right Out: 3197.769+/-0.501 χ^2/NDF: 1022333.3/34

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3078.057+/-0.346 χ^2/NDF: 1534211.3/57

All: 3092.234+/-0.248 χ^2/NDF: 3065420.8/11

- sign 3107.136+/-0.355 χ^2/NDF: 1527761.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

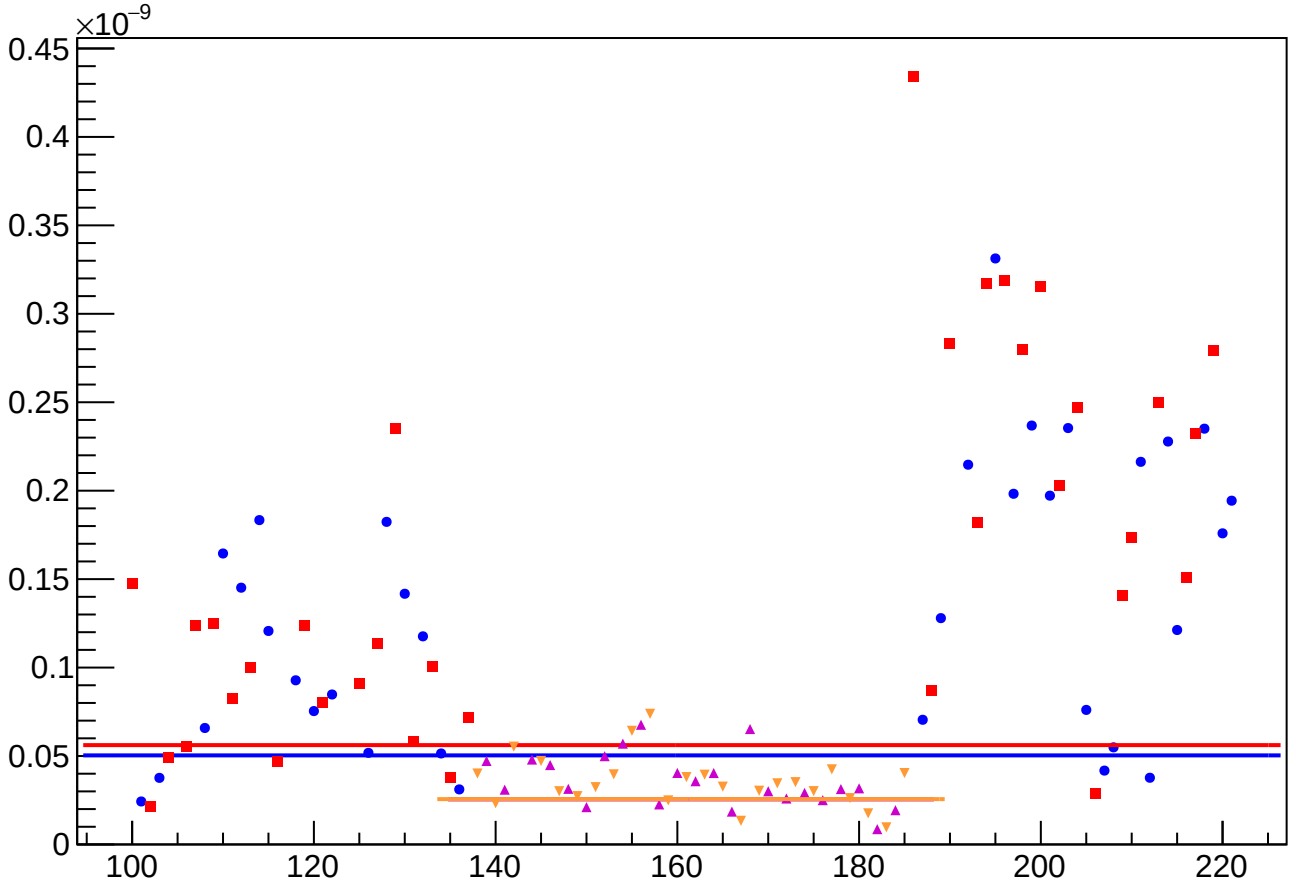
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/34

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/57

All: -0.000+/-0.000 χ^2/NDF: 115.9/115

- sign -0.000+/-0.000 χ^2/NDF: 46.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 7378012.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

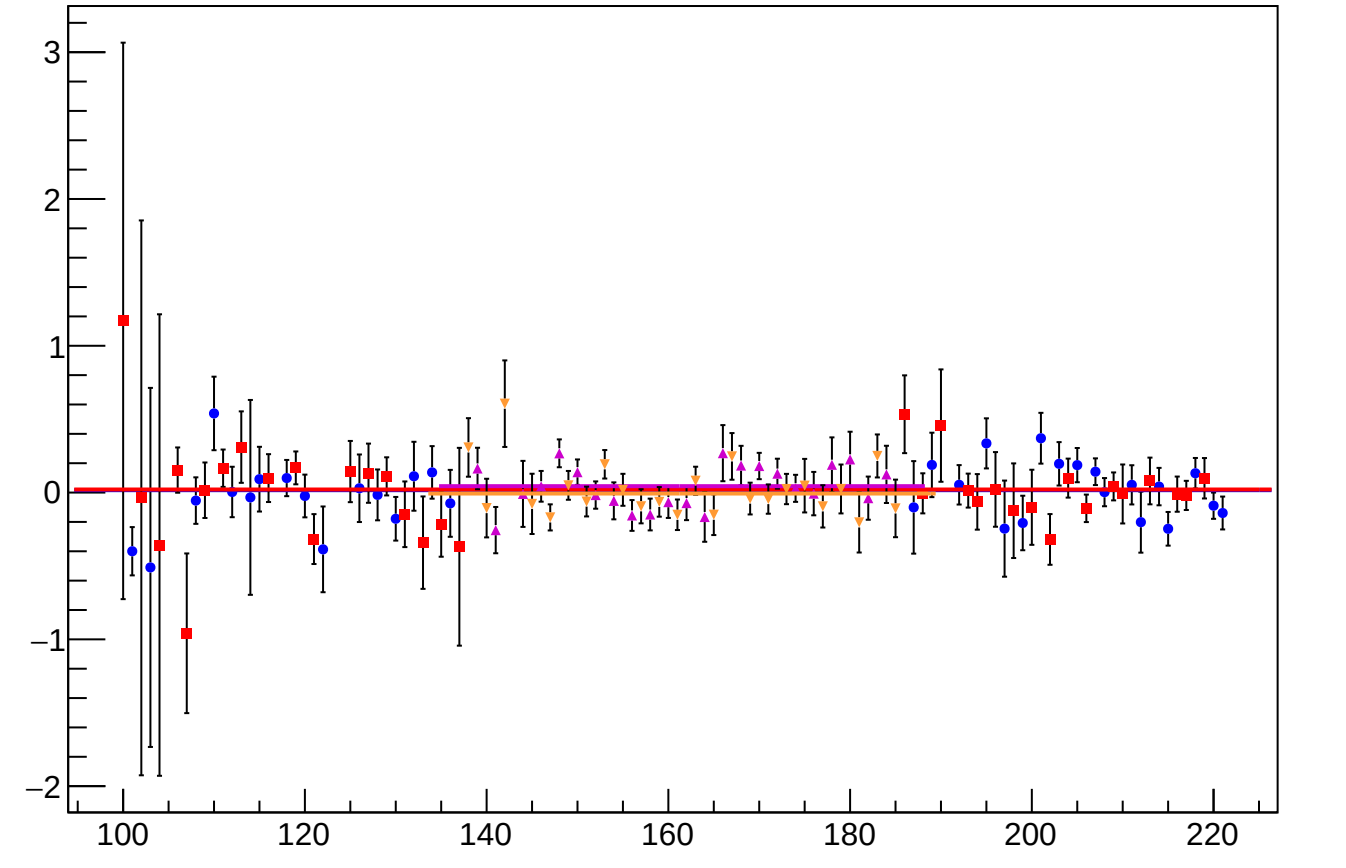
Right Out: 0.000+/-0.000 χ^2/NDF: 8546767.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11667725.2/57

All: 0.000+/-0.000 χ^2/NDF: 25197381.1/115

- sign 0.000+/-0.000 χ^2/NDF: 13528105.5/57



Right In: 0.016+/-0.026 χ^2/NDF: 43.4/33

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

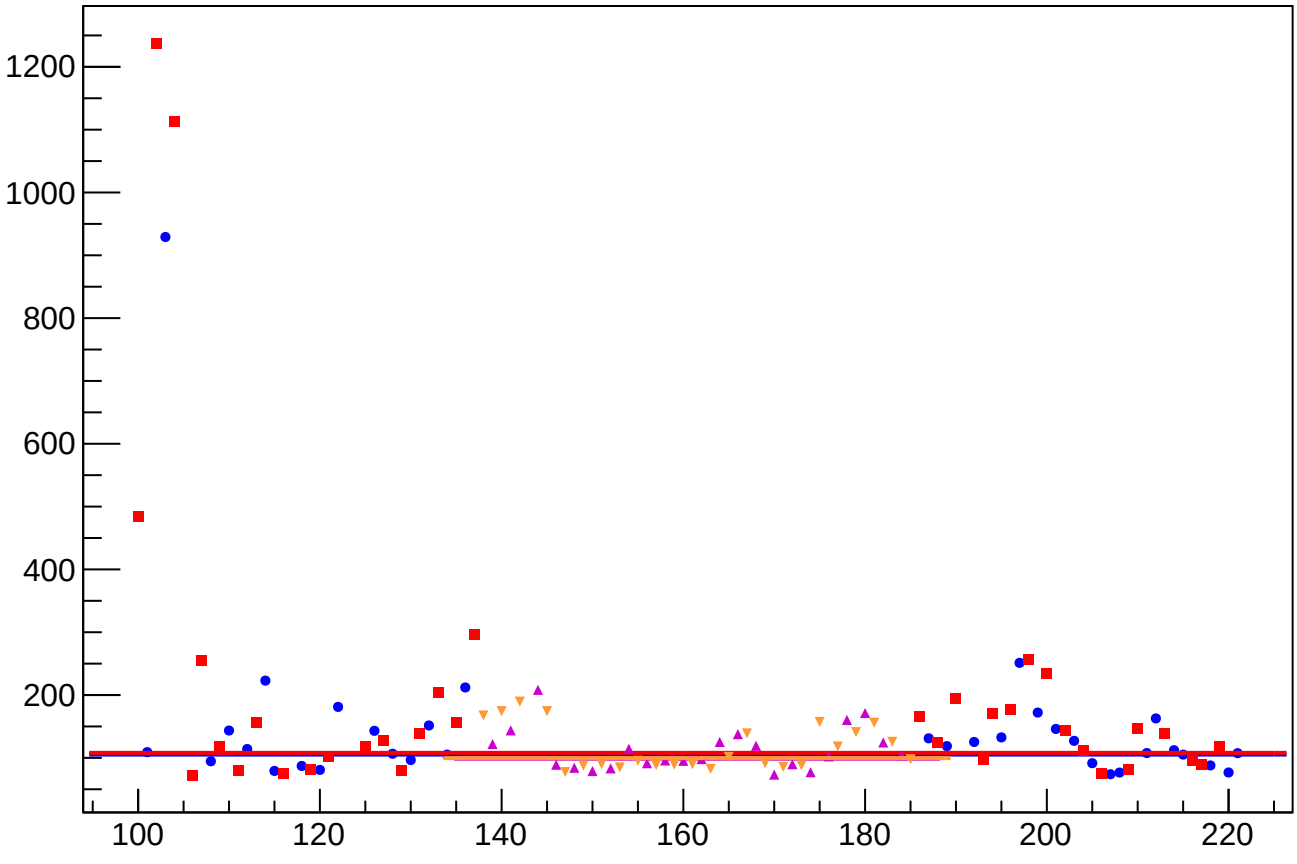
Right Out: 0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.005+/-0.018 χ^2/NDF: 71.5/57

All: 0.019+/-0.013 χ^2/NDF: 133.4/115

- sign 0.033+/-0.019 χ^2/NDF: 60.7/57



Right In: 105.236+/-0.018 χ^2/NDF: 3663575.8/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

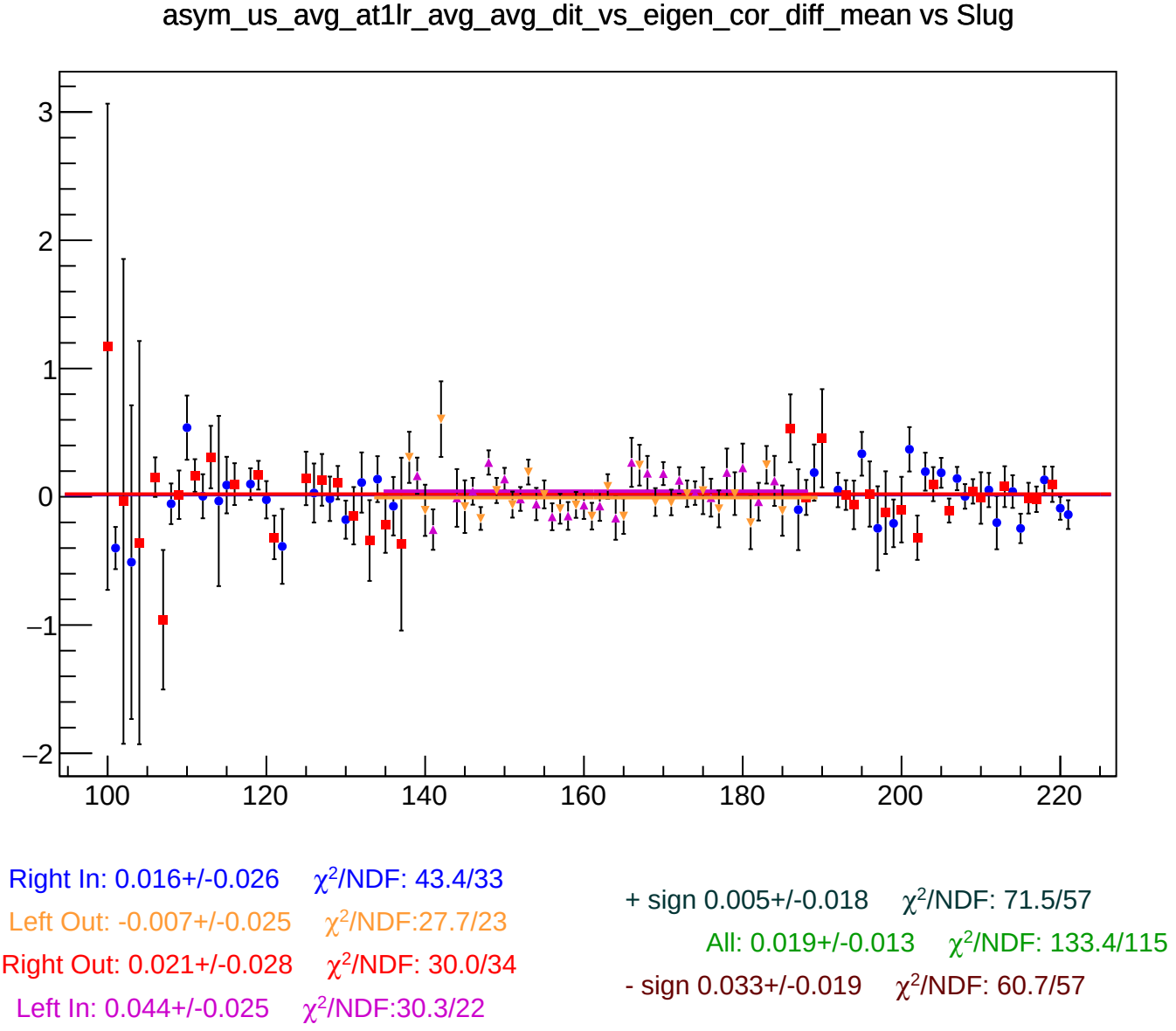
Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

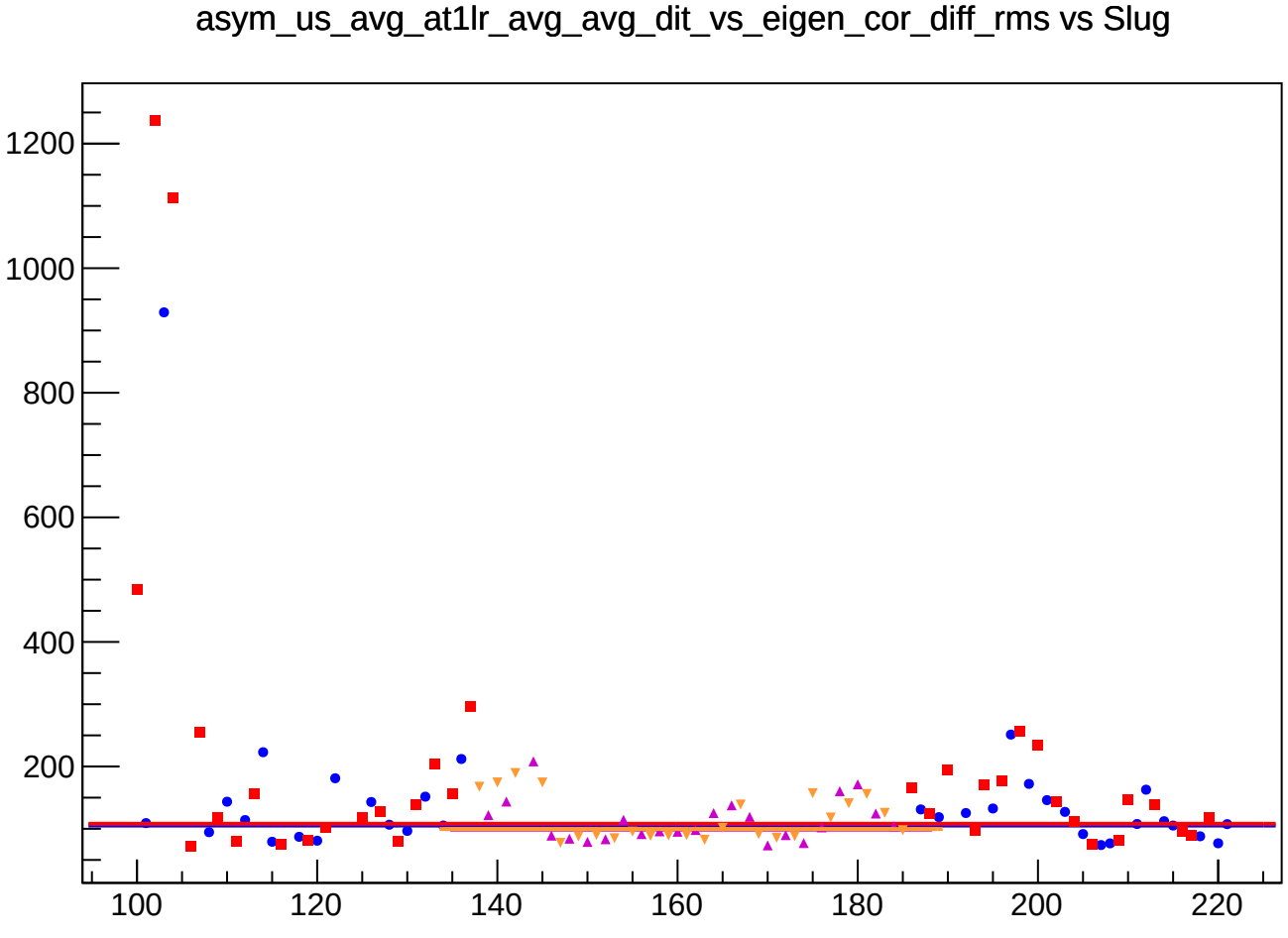
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.354+/-0.013 χ^2/NDF: 5783253.1/57

All: 102.587+/-0.009 χ^2/NDF: 13012609.4/11

- sign 102.835+/-0.013 χ^2/NDF: 7228671.5/57


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.016+/-0.026 χ²/NDF: 43.4/33
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.021+/-0.028 χ²/NDF: 30.0/34
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.005+/-0.018 χ²/NDF: 71.5/57
All: 0.019+/-0.013 χ²/NDF: 133.4/115
- sign 0.033+/-0.019 χ²/NDF: 60.7/57



Right In: 105.236+/-0.018 χ^2/NDF: 3663575.8/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

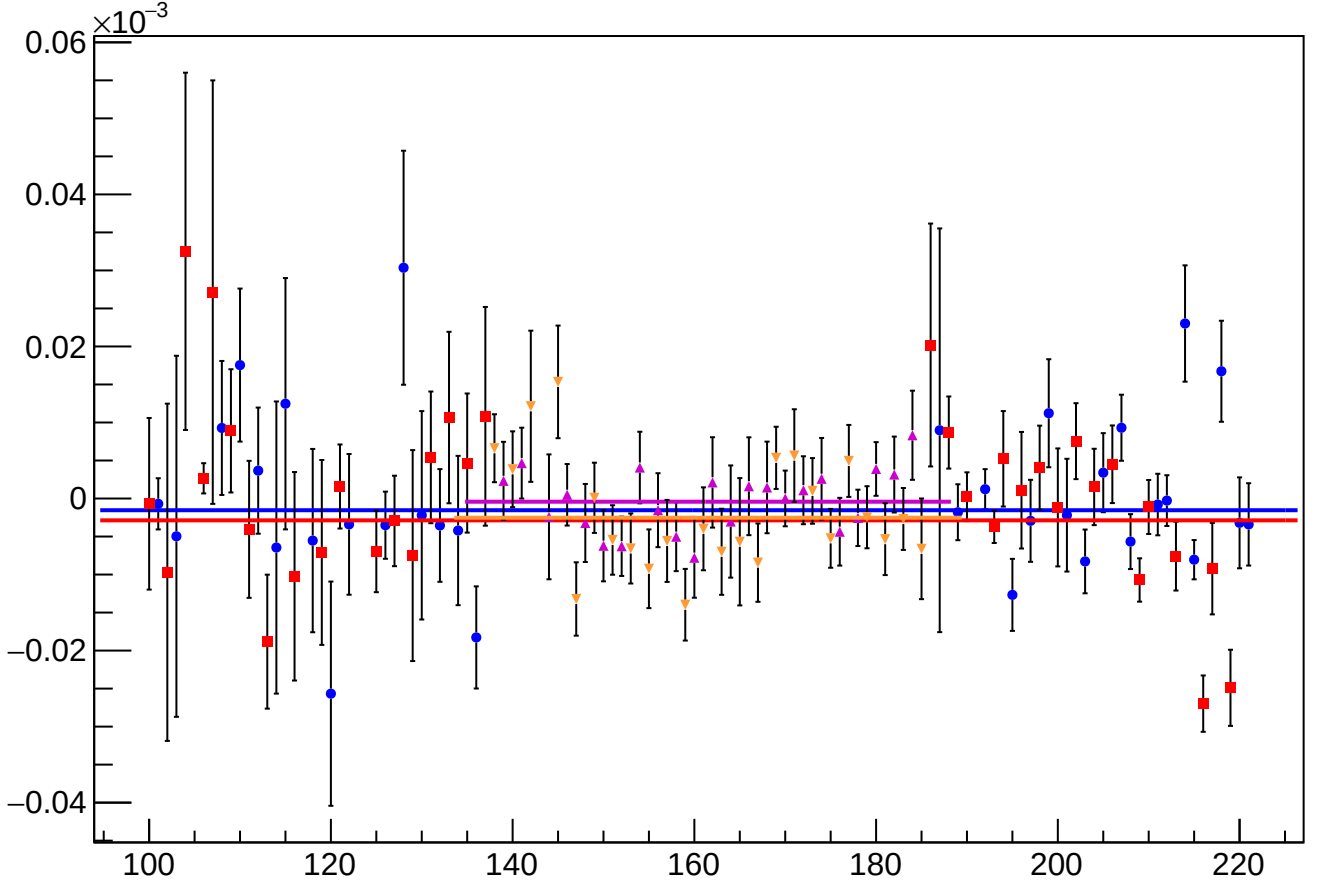
Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.354+/-0.013 χ^2/NDF: 5783253.1/57

All: 102.587+/-0.009 χ^2/NDF: 13012609.4/11

- sign 102.835+/-0.013 χ^2/NDF: 7228671.5/57



Right In: -0.000+/-0.000 χ^2/NDF: 65.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

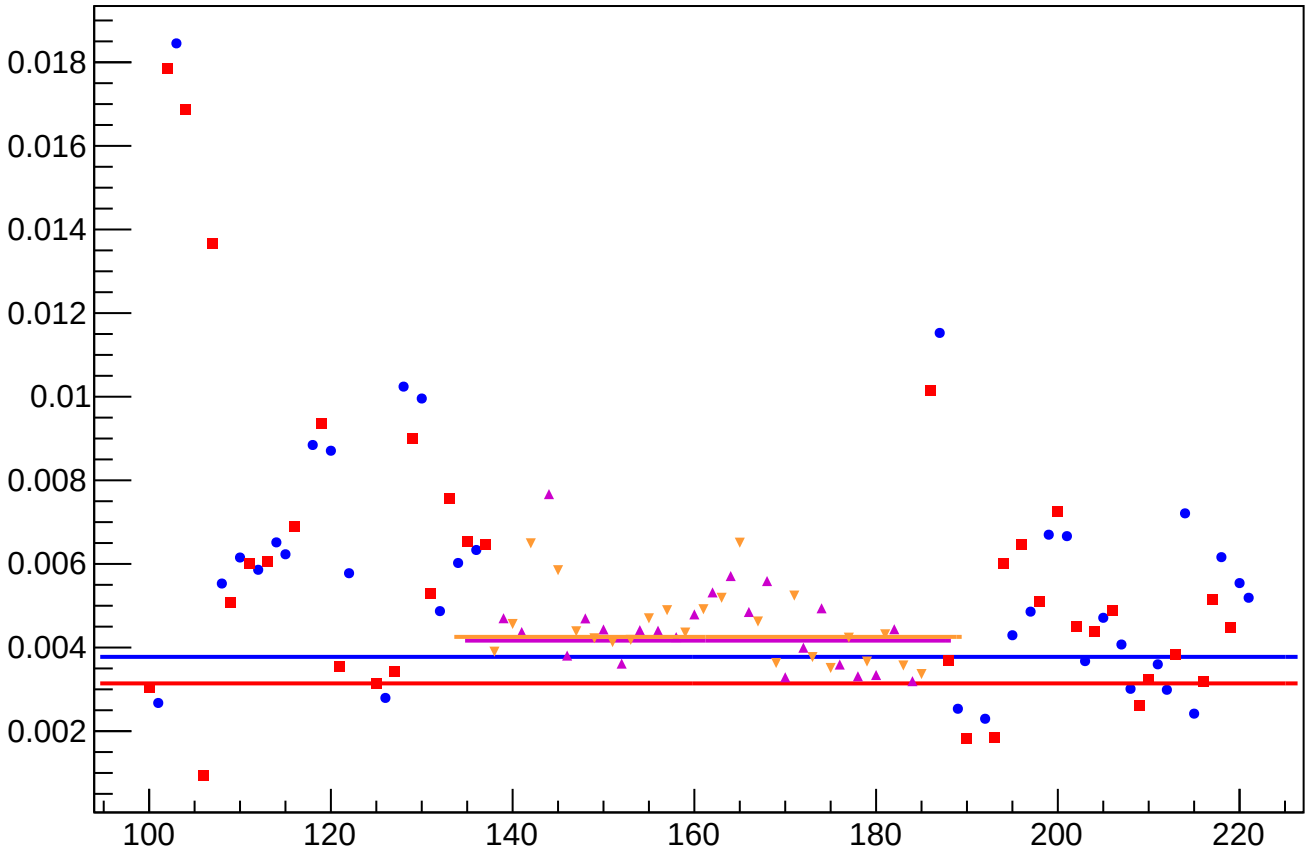
Right Out: -0.000+/-0.000 χ^2/NDF: 113.9/34

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.4/57

All: -0.000+/-0.000 χ^2/NDF: 239.9/115

- sign -0.000+/-0.000 χ^2/NDF: 133.4/57



Right In: 0.004+/-0.000 χ^2/NDF: 6926183.6/33

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

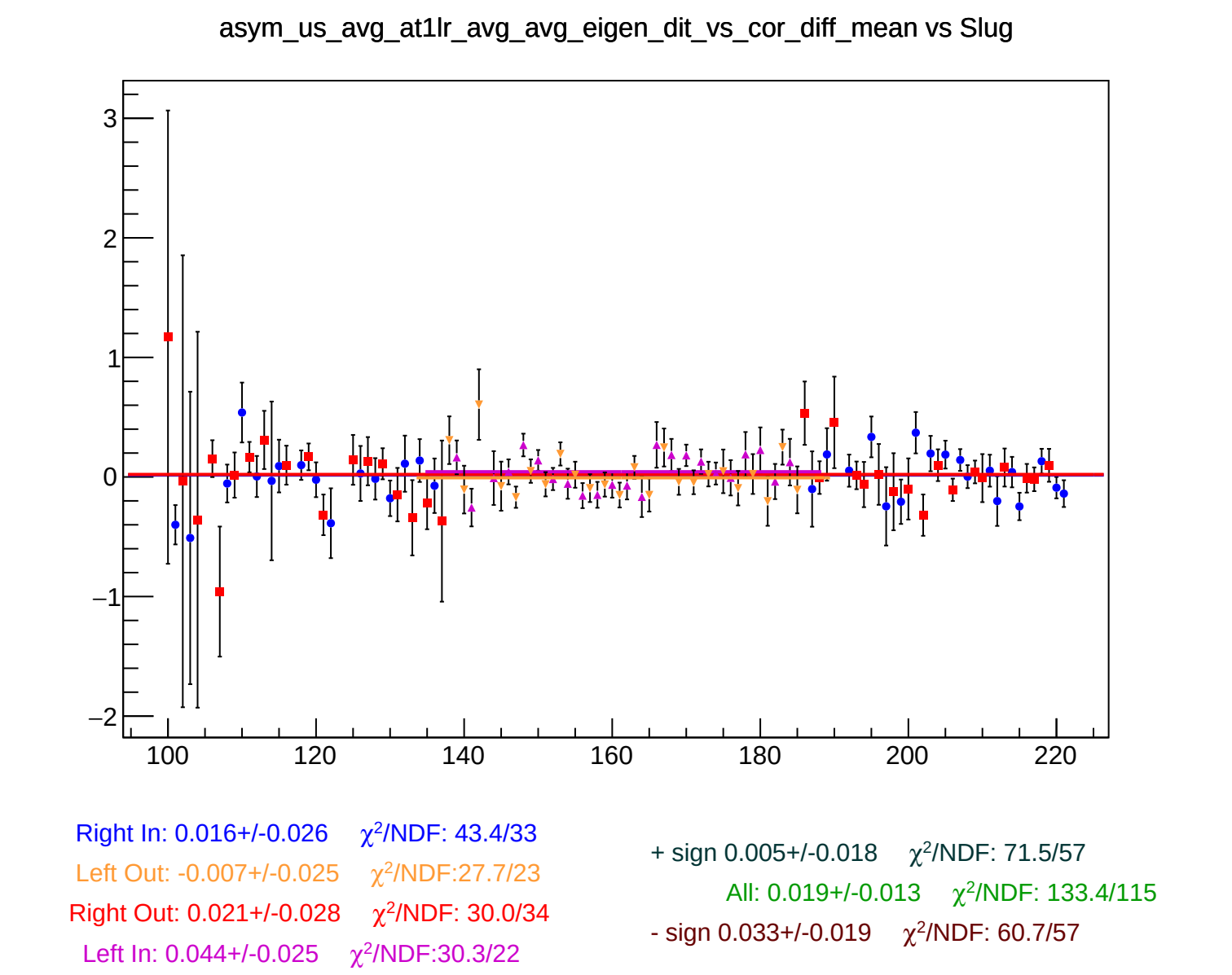
Right Out: 0.003+/-0.000 χ^2/NDF: 10784398.7/34

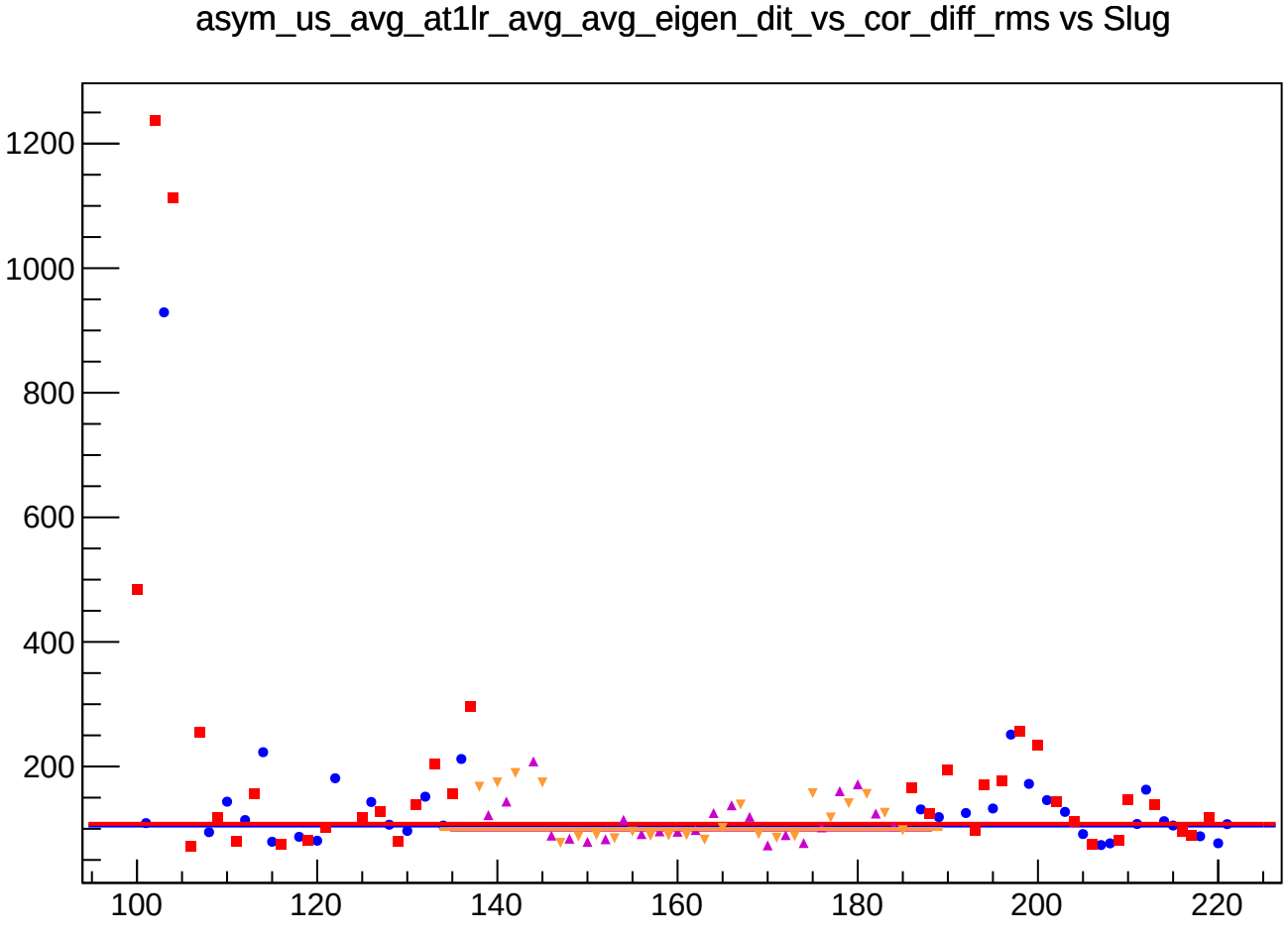
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 8008478.2/57

All: 0.004+/-0.000 χ^2/NDF: 21722808.2/115

- sign 0.004+/-0.000 χ^2/NDF: 13302020.3/57


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
220
Right In: 0.016+/-0.026 χ²/NDF: 43.4/33
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.021+/-0.028 χ²/NDF: 30.0/34
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.005+/-0.018 χ²/NDF: 71.5/57
All: 0.019+/-0.013 χ²/NDF: 133.4/115
- sign 0.033+/-0.019 χ²/NDF: 60.7/57



Right In: 105.236+/-0.018 χ^2/NDF: 3663503.9/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

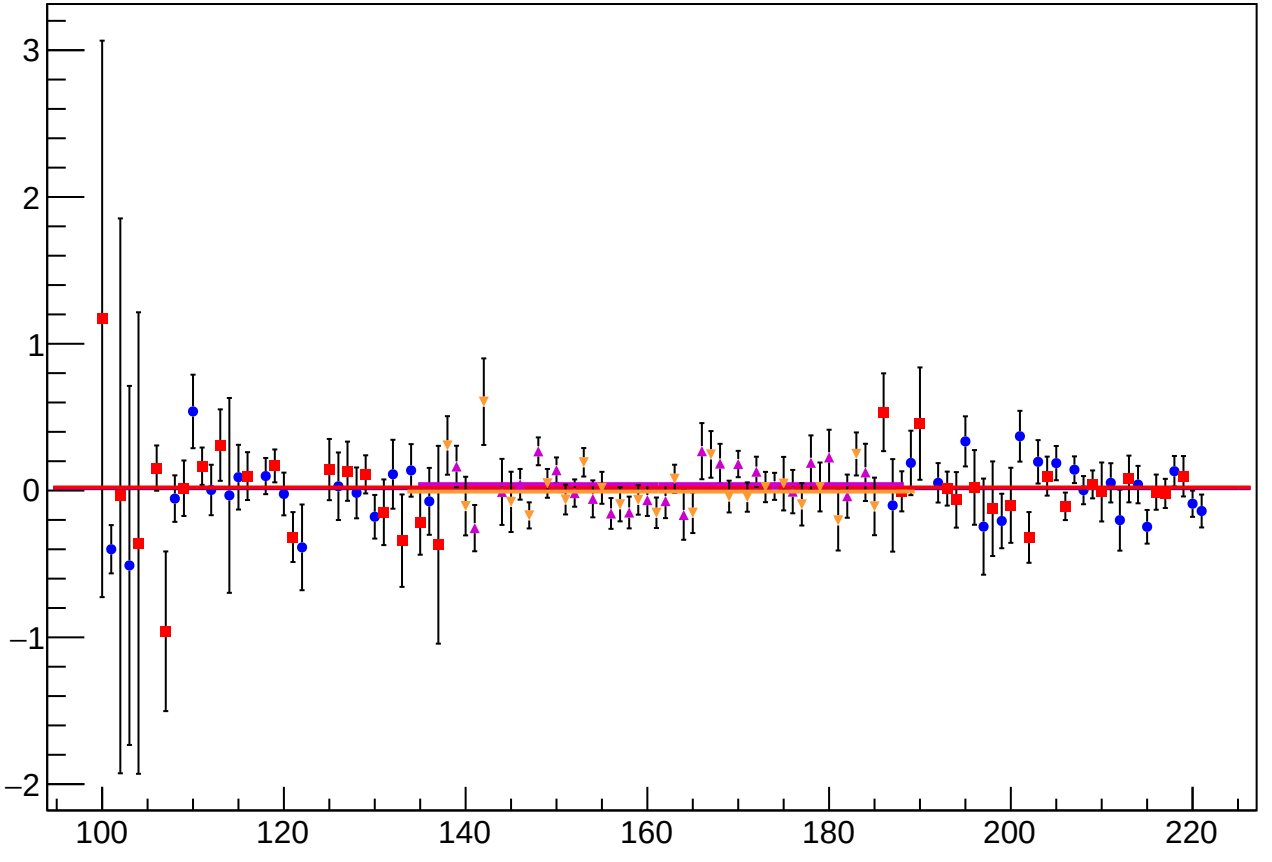
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.354+/-0.013 χ^2/NDF: 5783133.8/57

All: 102.587+/-0.009 χ^2/NDF: 13012418.1/11

- sign 102.835+/-0.013 χ^2/NDF: 7228600.1/57

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.026 χ^2/NDF: 43.4/33

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

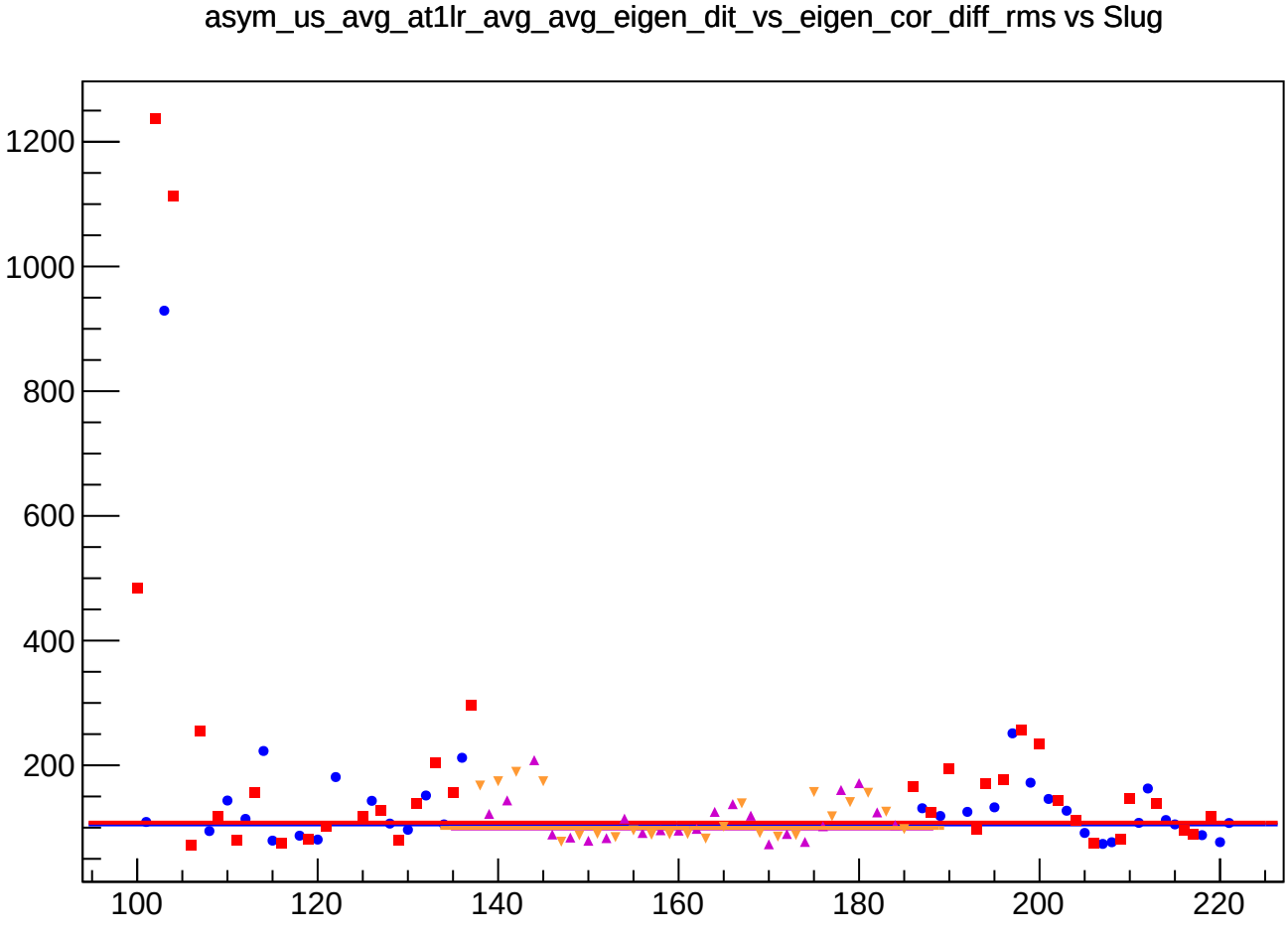
Right Out: 0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.005+/-0.018 χ^2/NDF: 71.5/57

All: 0.019+/-0.013 χ^2/NDF: 133.4/115

- sign 0.033+/-0.019 χ^2/NDF: 60.7/57



Right In: 105.236+/-0.018 χ^2/NDF: 3663503.9/33

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

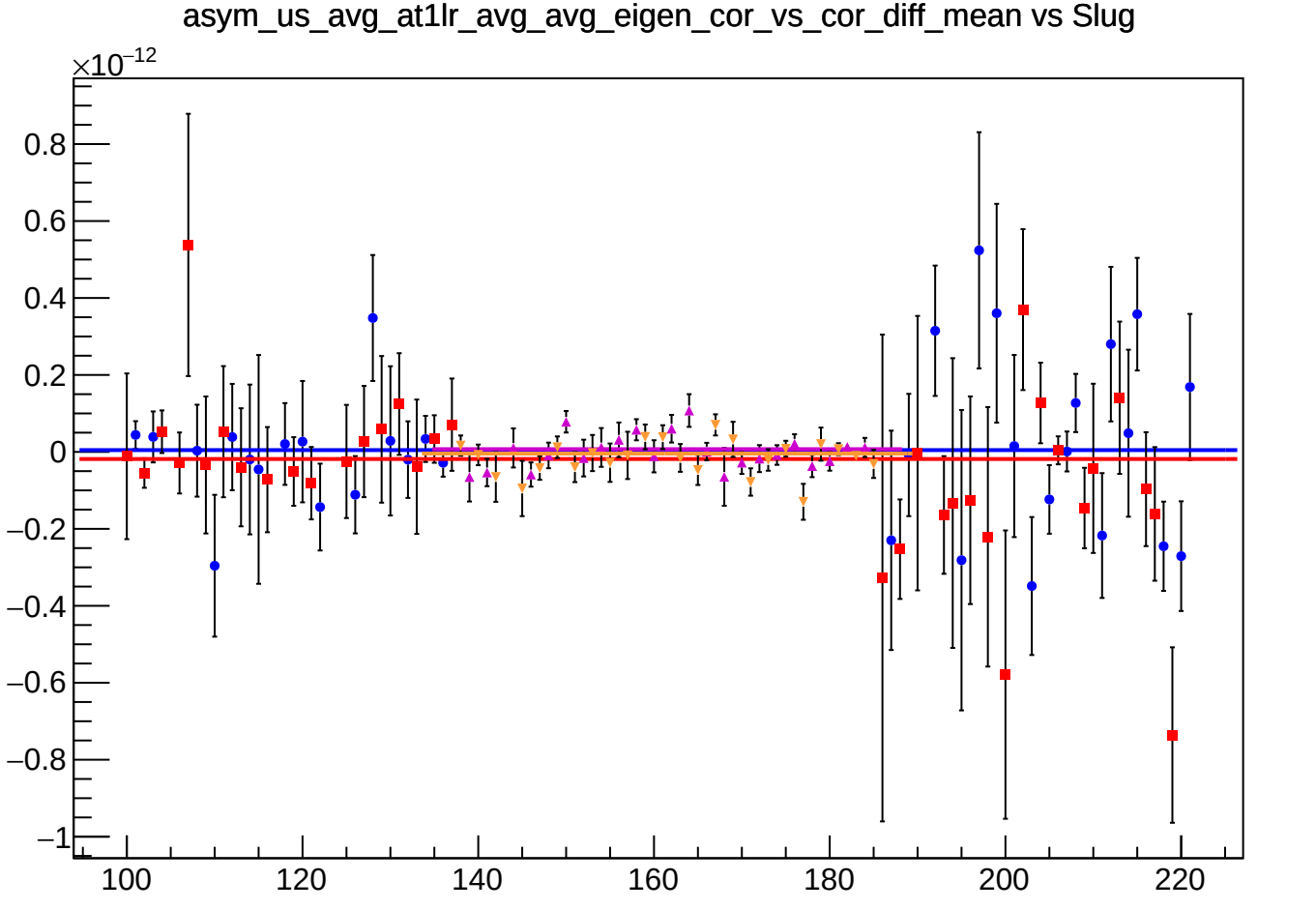
Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.354+/-0.013 χ^2/NDF: 5783133.8/57

All: 102.587+/-0.009 χ^2/NDF: 13012418.1/11

- sign 102.835+/-0.013 χ^2/NDF: 7228600.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

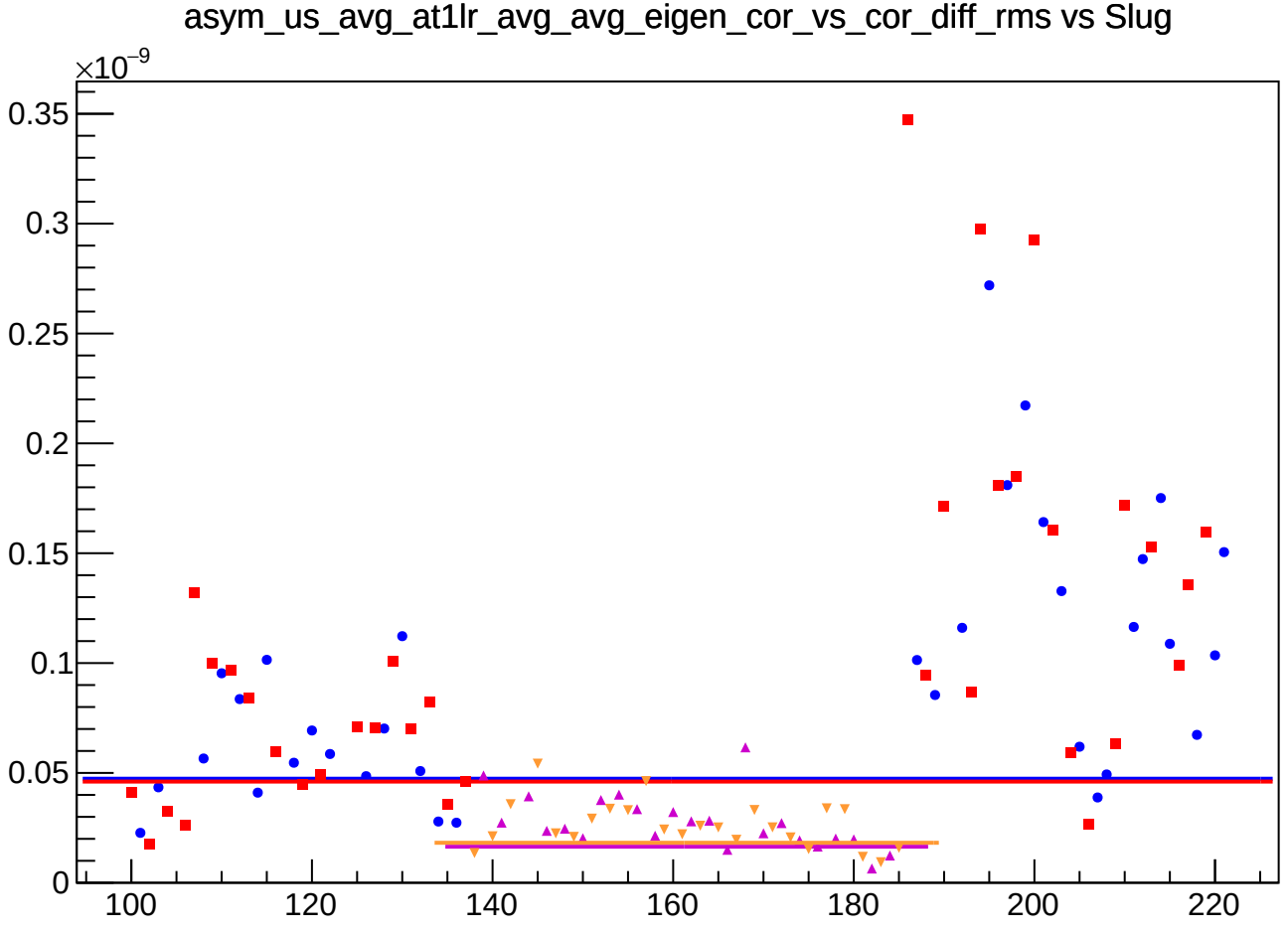
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/34

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.4/57

All: 0.000+/-0.000 χ^2/NDF: 155.8/115

- sign 0.000+/-0.000 χ^2/NDF: 72.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 8654588.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9952500.3/34

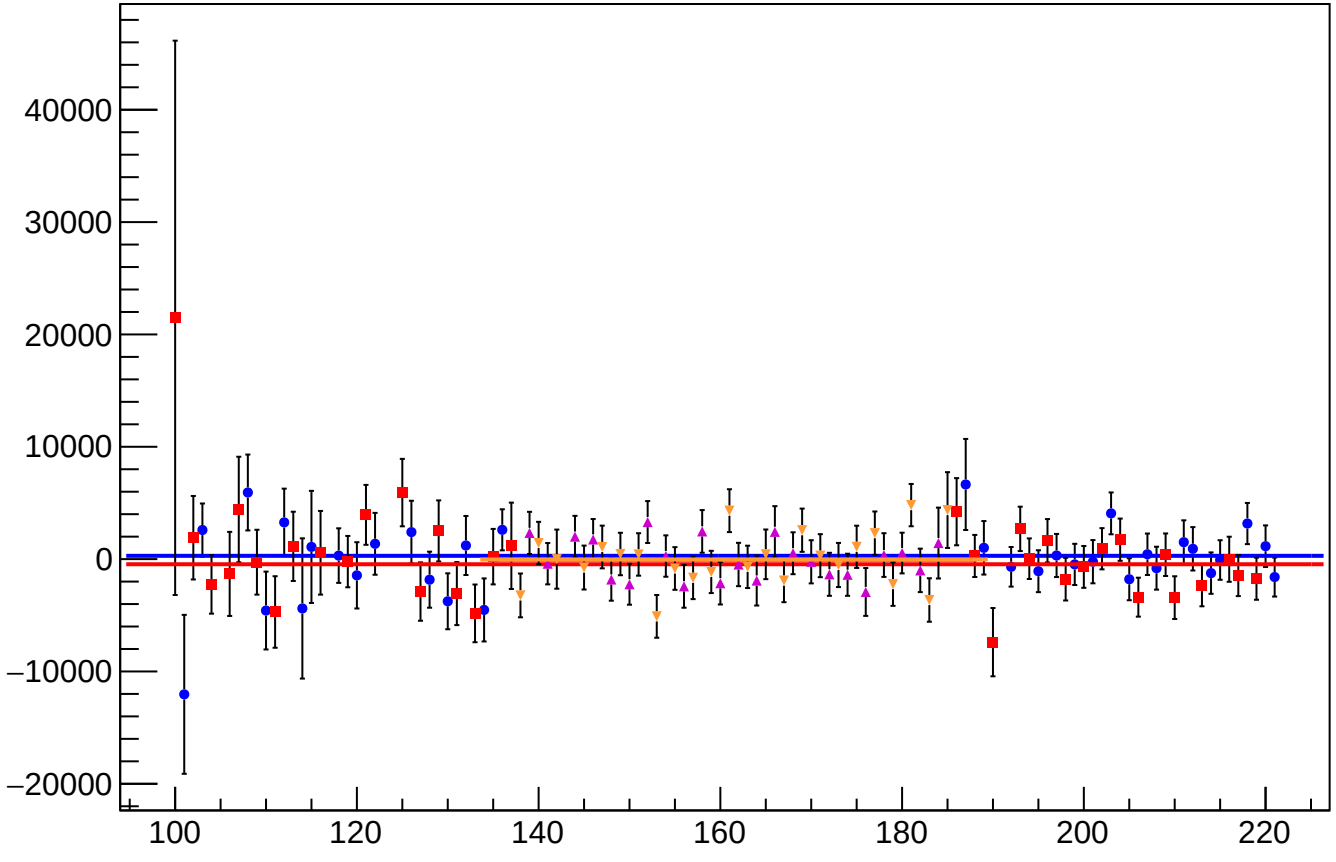
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18741431.8/57

All: 0.000+/-0.000 χ^2/NDF: 41334546.1/115

- sign 0.000+/-0.000 χ^2/NDF: 22386954.3/57

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 293.696+/-381.145 χ^2/NDF: 33.9/33

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -456.393+/-393.191 χ^2/NDF: 39.7/34

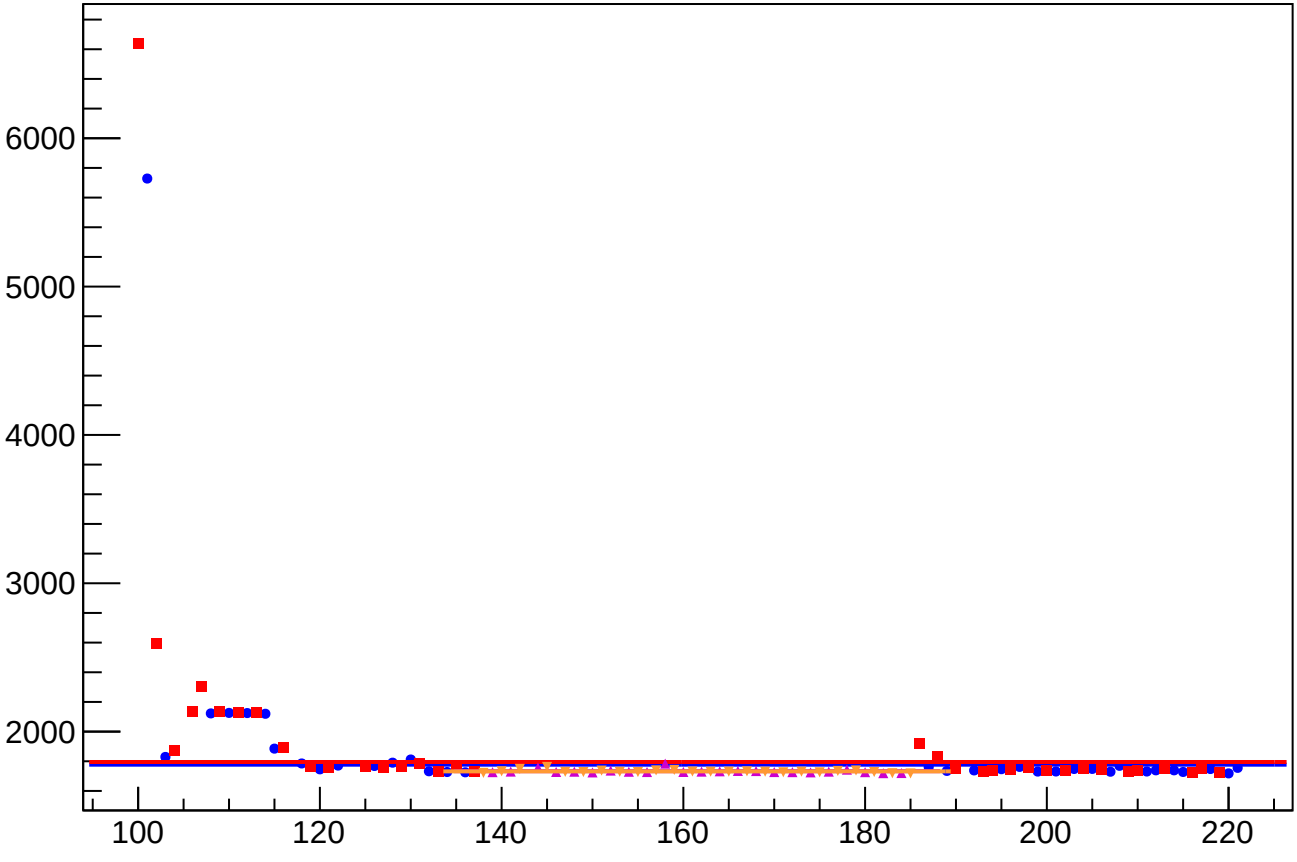
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 138.178+/-276.579 χ^2/NDF: 69.6/57

All: -57.244+/-197.463 χ^2/NDF: 130.2/115

- sign -260.416+/-282.010 χ^2/NDF: 59.6/57

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1777.091+/-0.270 χ^2/NDF: 717668.3/33

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

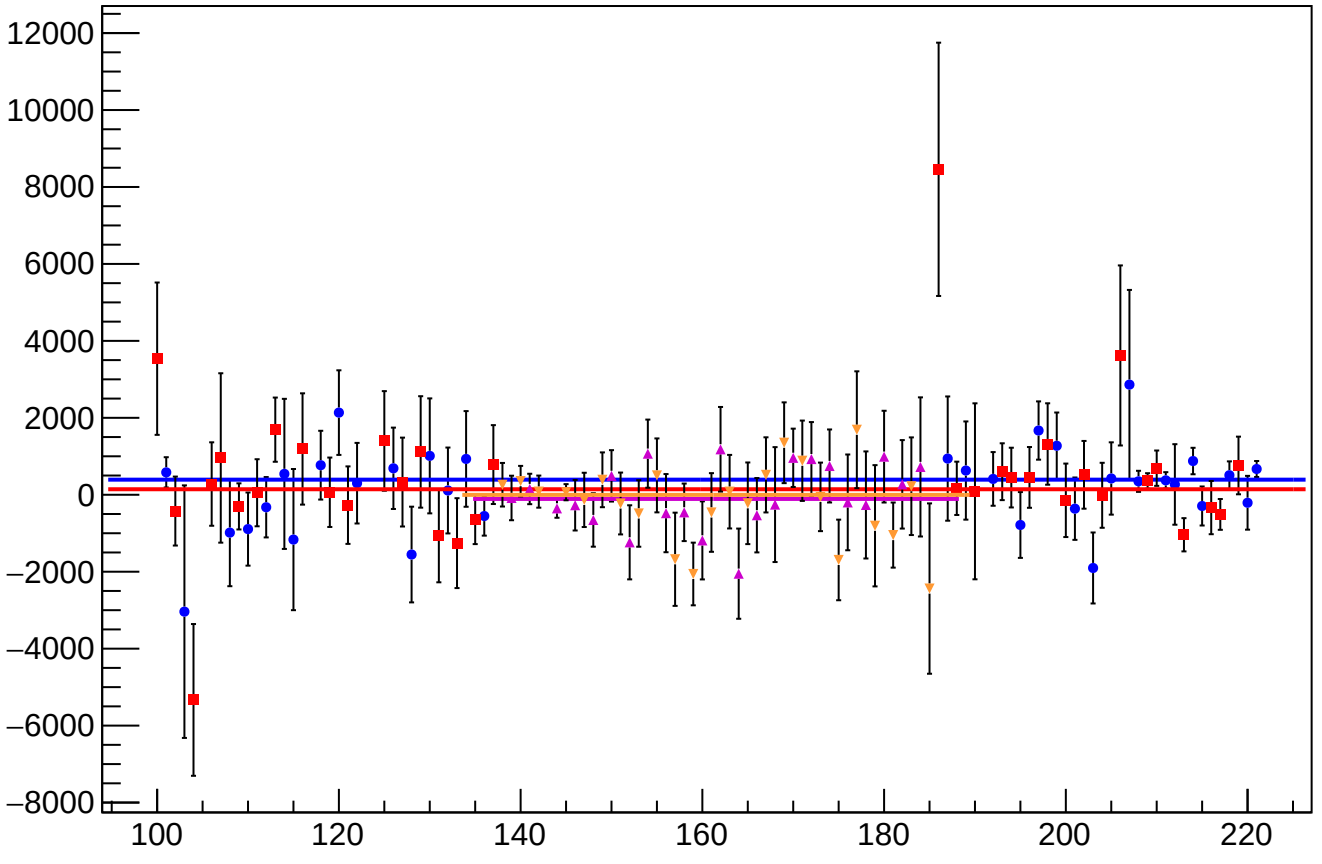
Right Out: 1795.108+/-0.278 χ^2/NDF: 319975.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.737+/-0.196 χ^2/NDF: 731866.3/57

All: 1760.329+/-0.140 χ^2/NDF: 1079182.7/11

- sign 1765.103+/-0.199 χ^2/NDF: 346191.9/57



Right In: 392.648+/-93.703 χ^2/NDF: 35.2/33

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

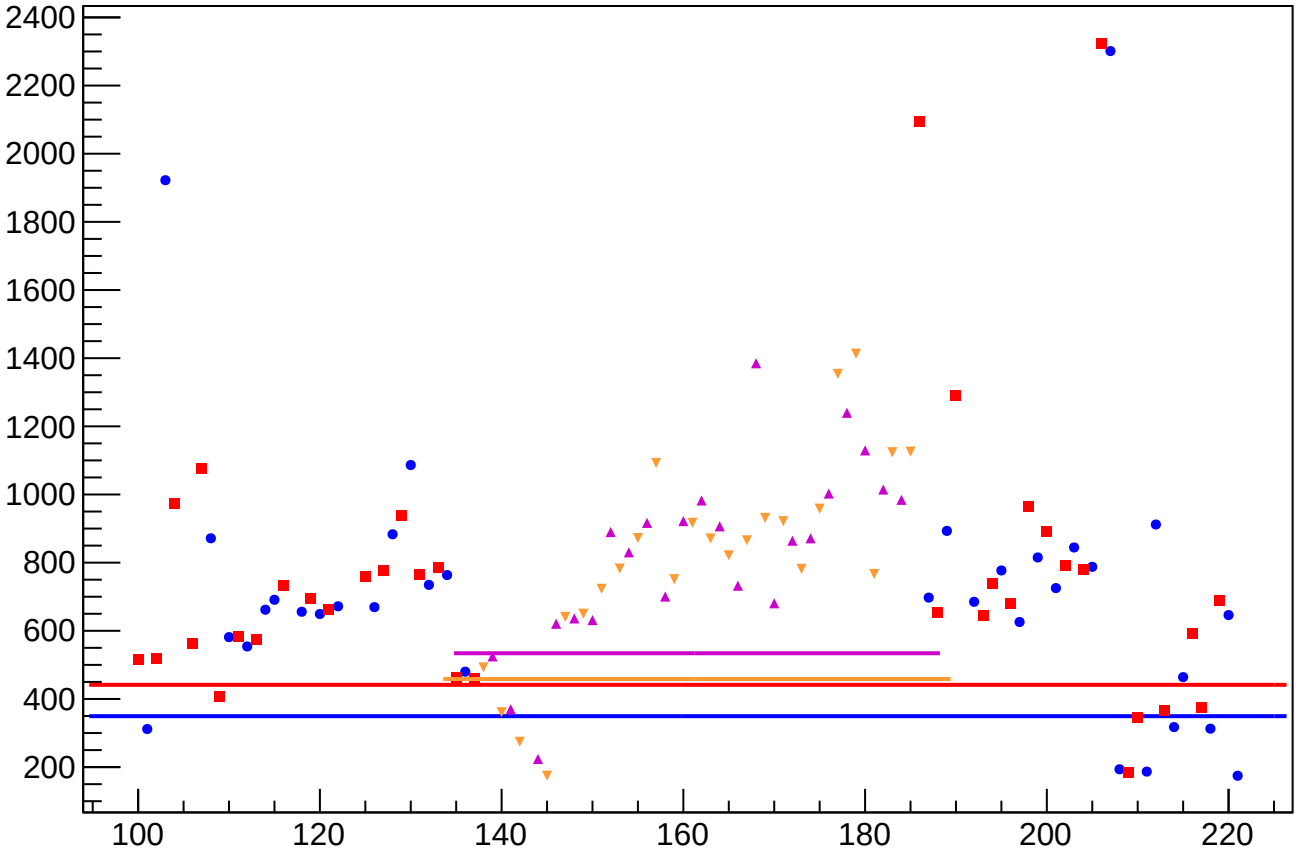
Right Out: 143.447+/-115.645 χ^2/NDF: 46.3/34

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 257.647+/-76.025 χ^2/NDF: 61.6/57

All: 168.736+/-58.077 χ^2/NDF: 130.0/115

- sign 44.135+/-89.999 χ^2/NDF: 65.2/57



Right In: 349.501+/-0.066 χ^2/NDF: 12617645.7/33

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 441.474+/-0.082 χ^2/NDF: 9917680.0/34

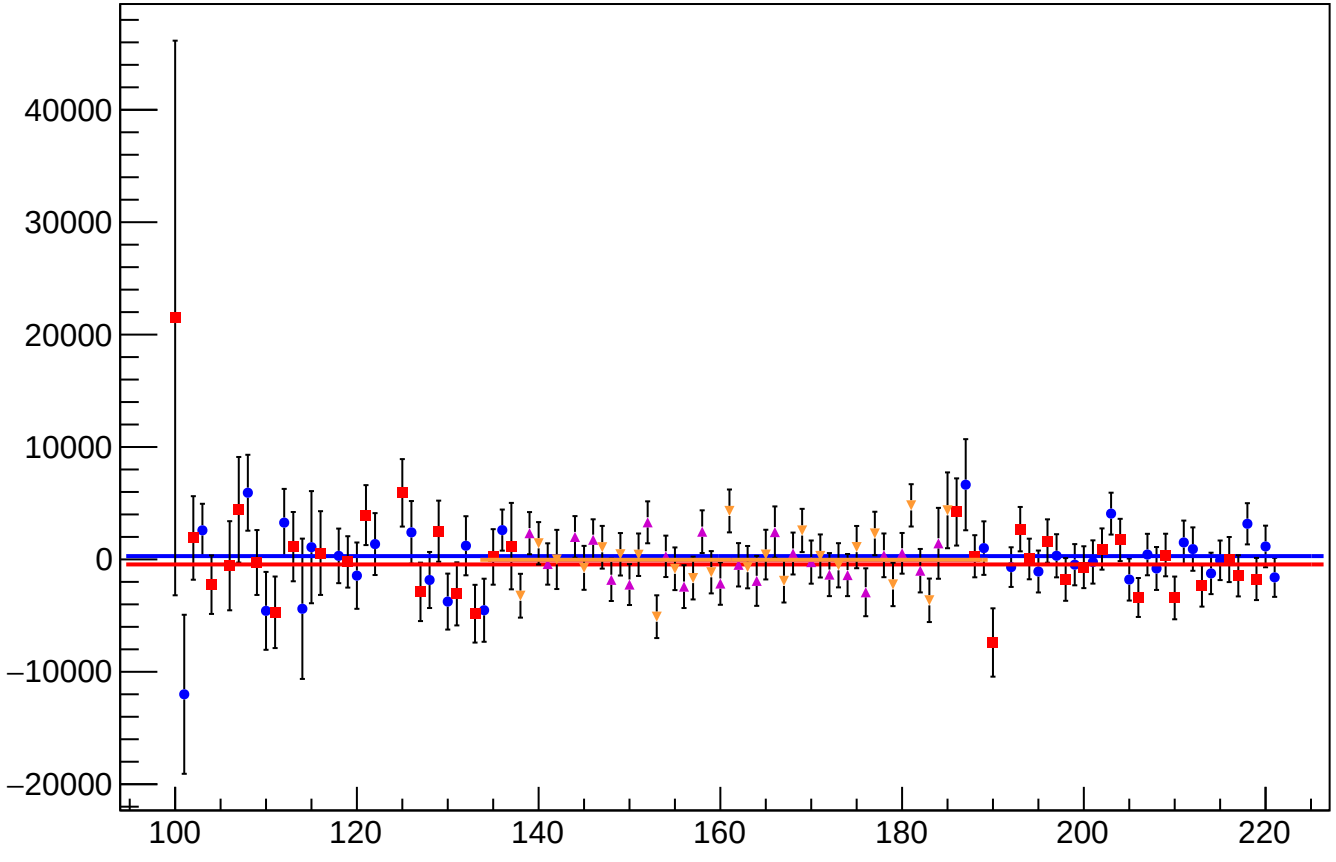
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 386.776+/-0.054 χ^2/NDF: 24970525.1/57

All: 424.775+/-0.041 χ^2/NDF: 45037972.3/11

- sign 478.026+/-0.064 χ^2/NDF: 18867608.2/57

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 293.760+/-381.145 χ^2/NDF: 33.8/33

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -447.853+/-393.428 χ^2/NDF: 39.6/34

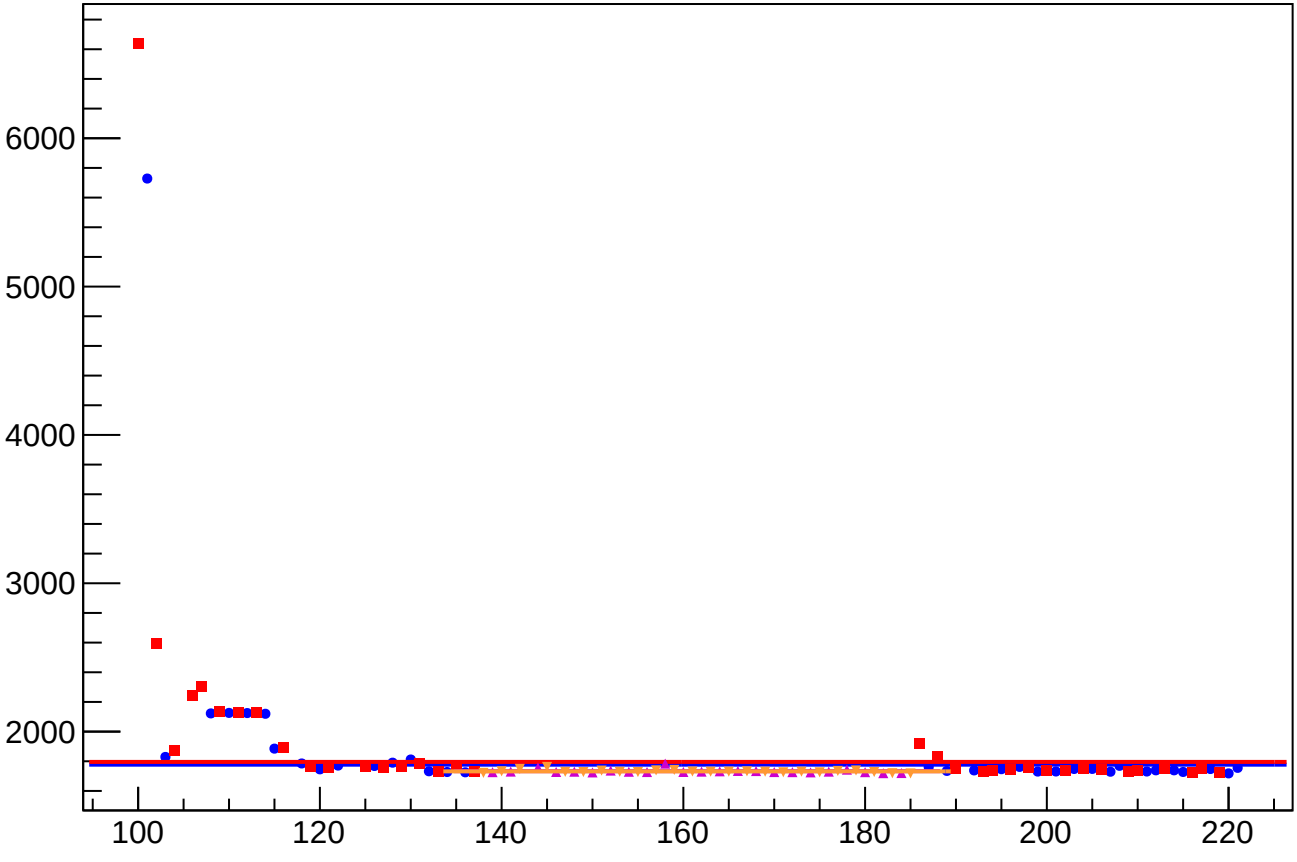
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 138.239+/-276.579 χ^2/NDF: 69.6/57

All: -54.921+/-197.493 χ^2/NDF: 130.1/115

- sign -255.864+/-282.097 χ^2/NDF: 59.5/57

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1777.091+/-0.270 χ^2/NDF: 717668.1/33

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

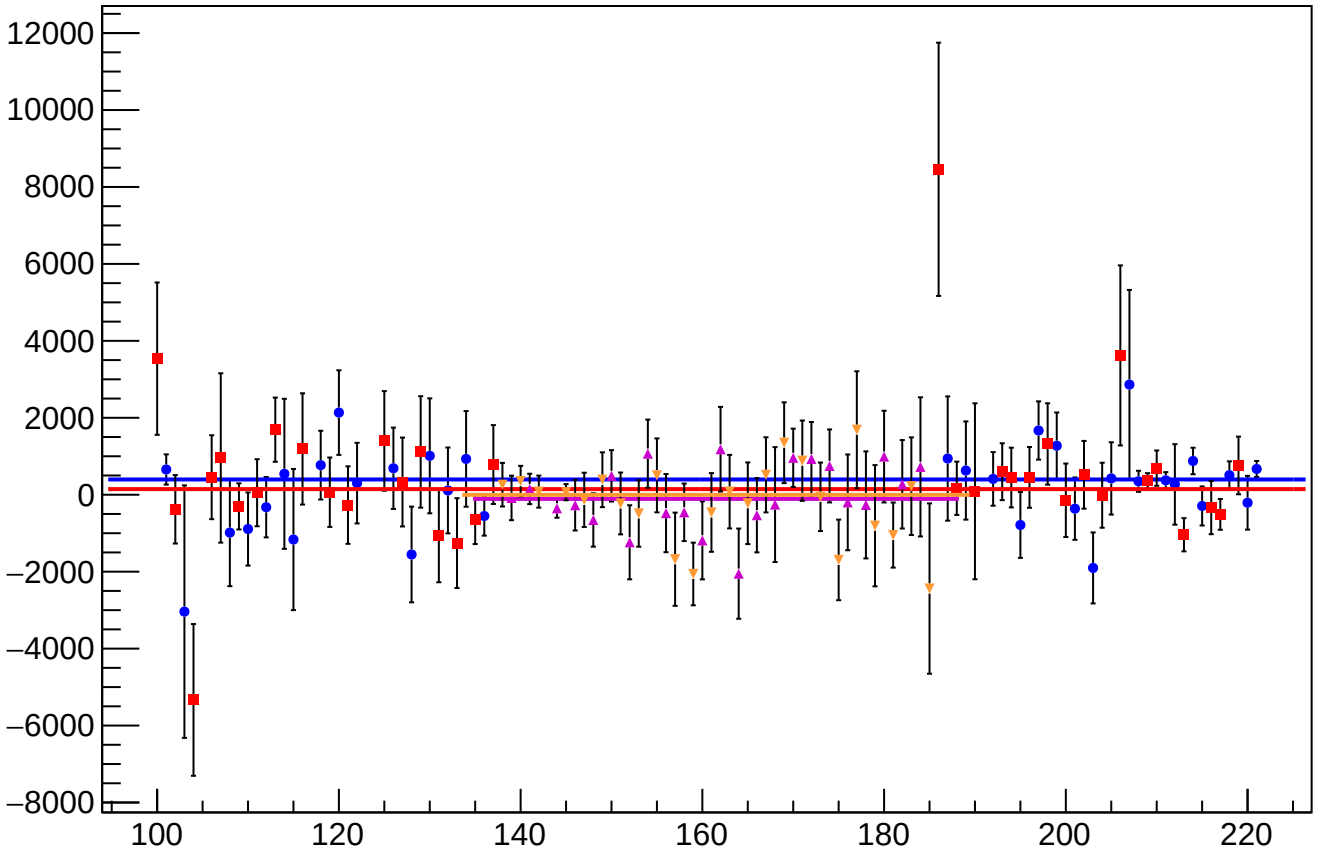
Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.737+/-0.196 χ^2/NDF: 731866.1/57

All: 1760.476+/-0.140 χ^2/NDF: 1088446.6/11

- sign 1765.405+/-0.199 χ^2/NDF: 355382.5/57



Right In: 397.000+/-93.692 χ^2/NDF: 35.5/33

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 146.094+/-115.637 χ^2/NDF: 46.3/34

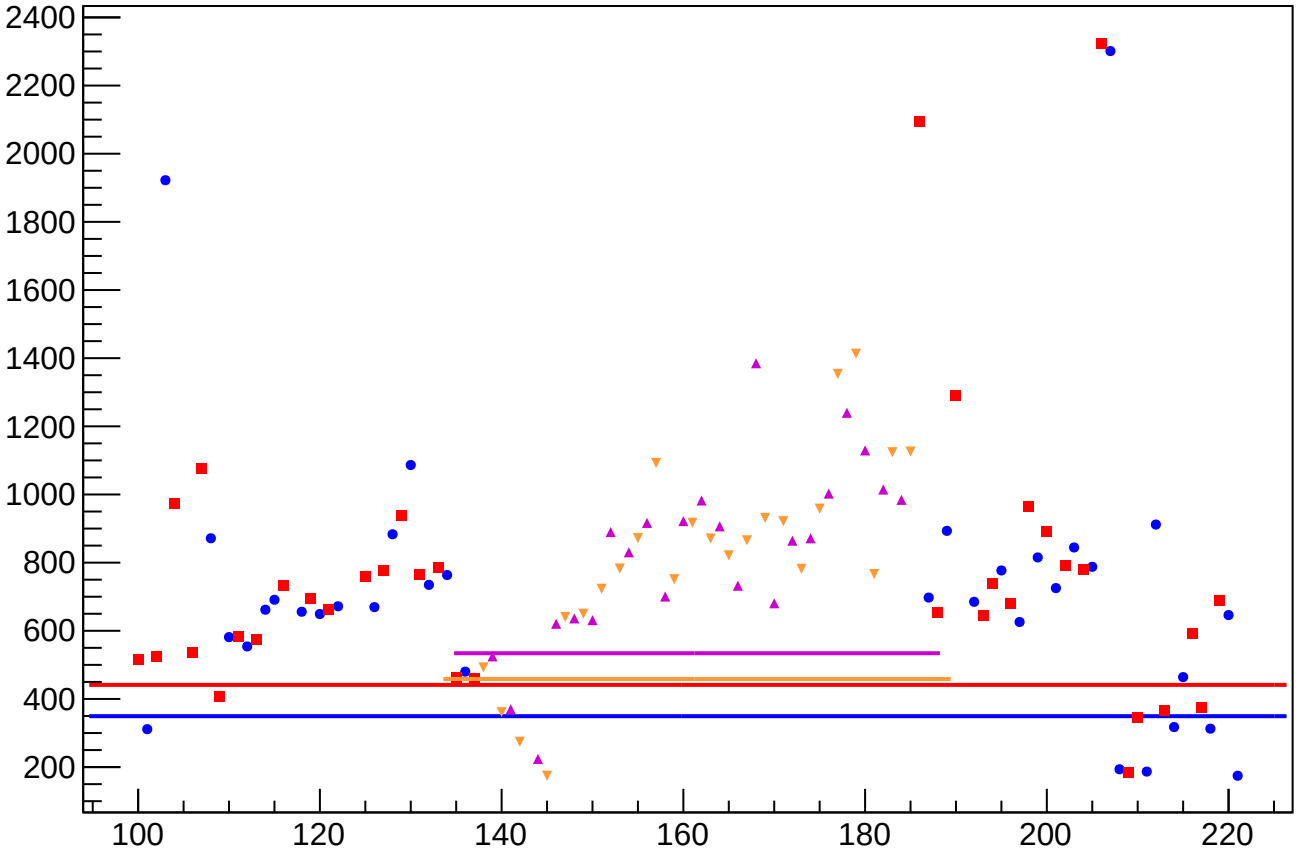
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 260.494+/-76.019 χ^2/NDF: 62.0/57

All: 171.076+/-58.073 χ^2/NDF: 130.5/115

- sign 45.758+/-89.995 χ^2/NDF: 65.2/57

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 349.436+/-0.066 χ^2/NDF: 12620003.4/33

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

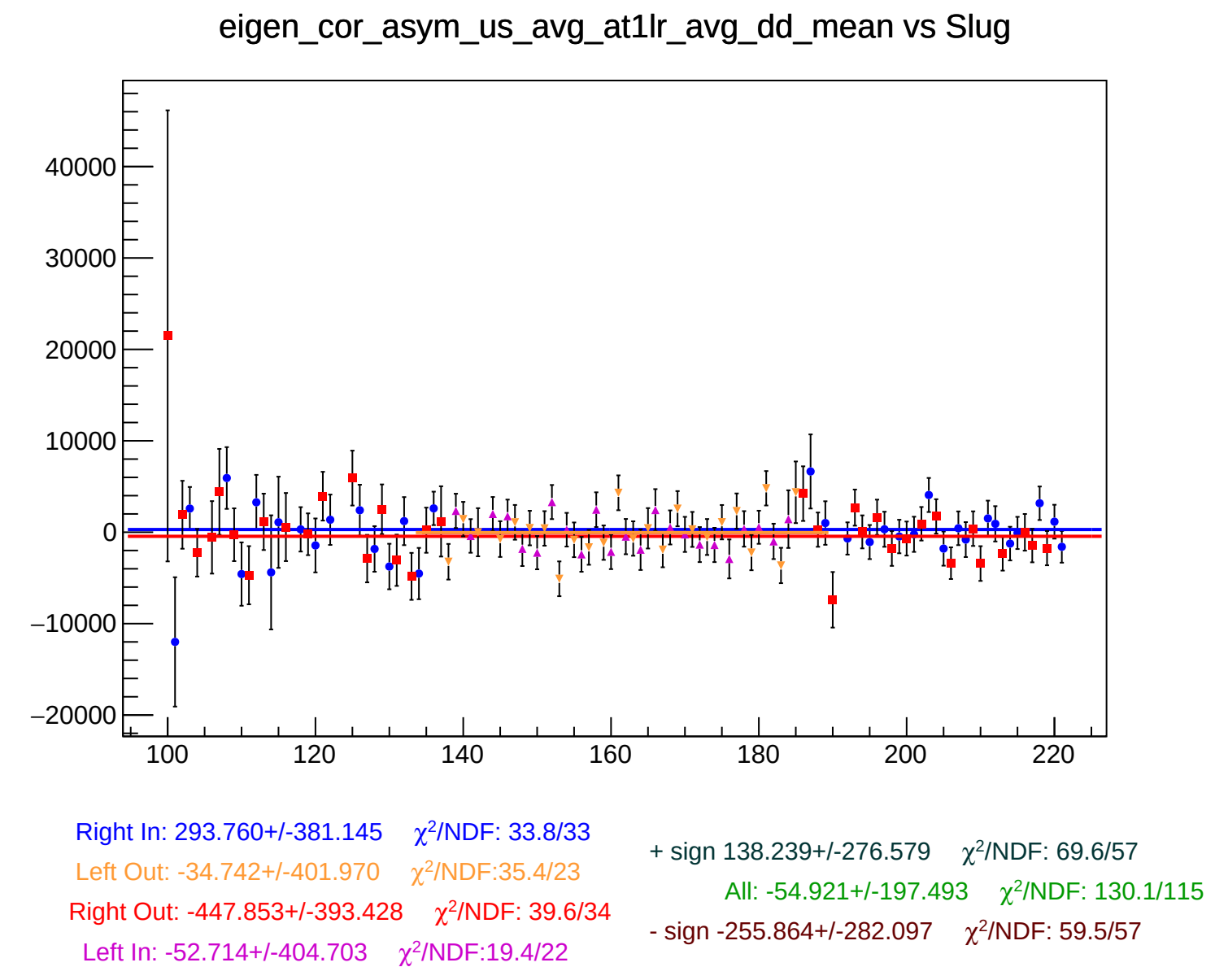
Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

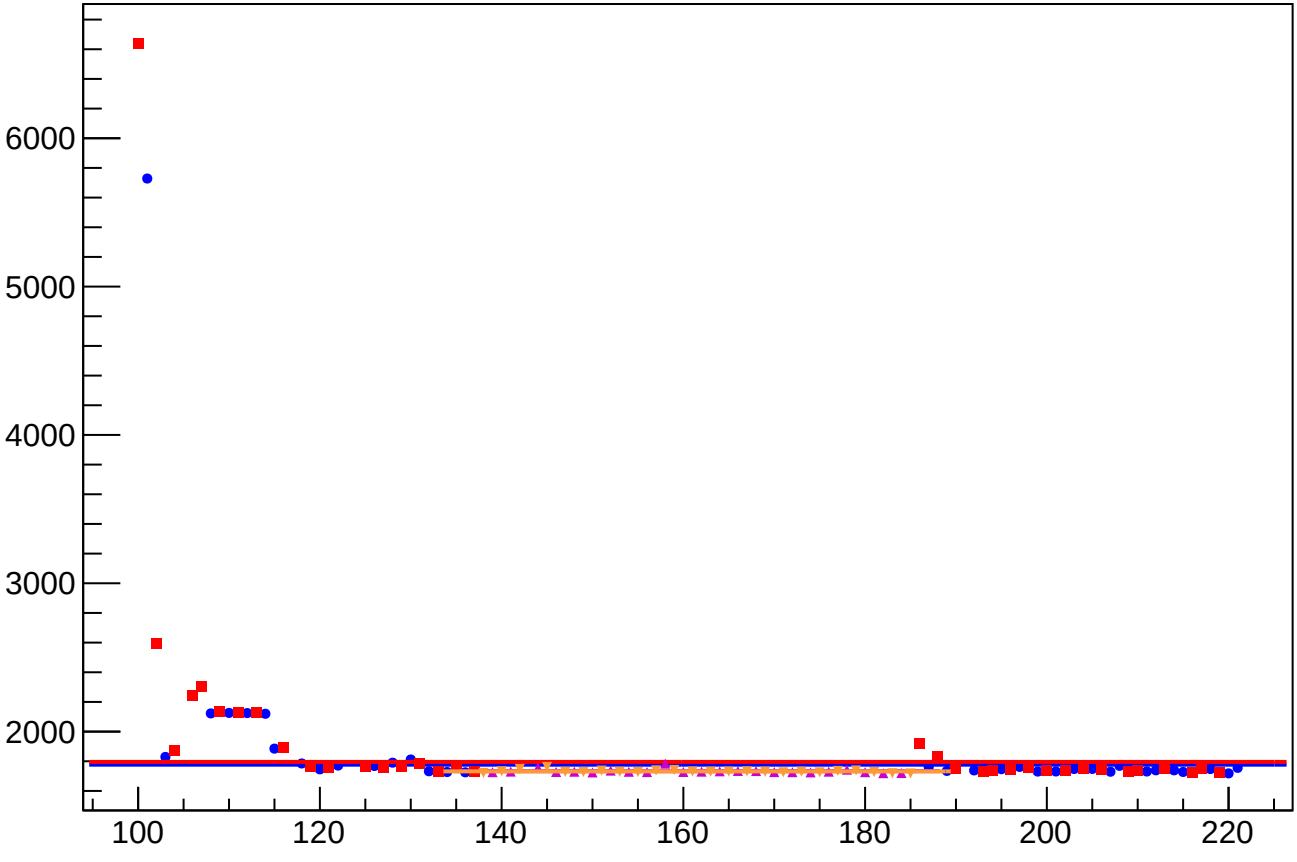
\+ sign 386.730+/-0.054 χ^2/NDF: 24973805.9/57

All: 424.696+/-0.041 χ^2/NDF: 45034863.2/11

\- sign 477.904+/-0.064 χ^2/NDF: 18863091.3/57


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 293.760+/-381.145 χ²/NDF: 33.8/33
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -447.853+/-393.428 χ²/NDF: 39.6/34
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign 138.239+/-276.579 χ²/NDF: 69.6/57
All: -54.921+/-197.493 χ²/NDF: 130.1/115
- sign -255.864+/-282.097 χ²/NDF: 59.5/57

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1777.091+/-0.270 χ^2/NDF: 717668.1/33

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

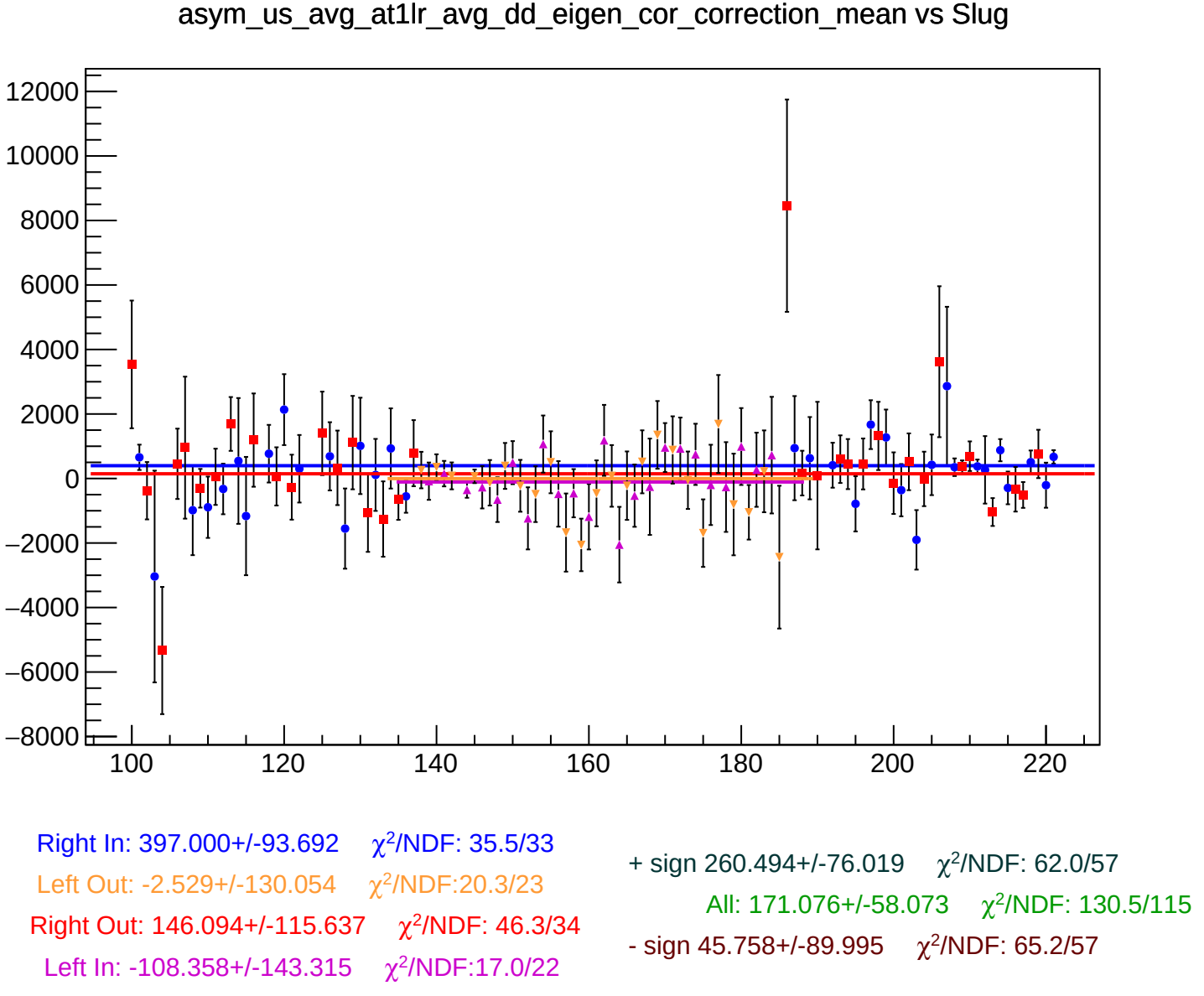
Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

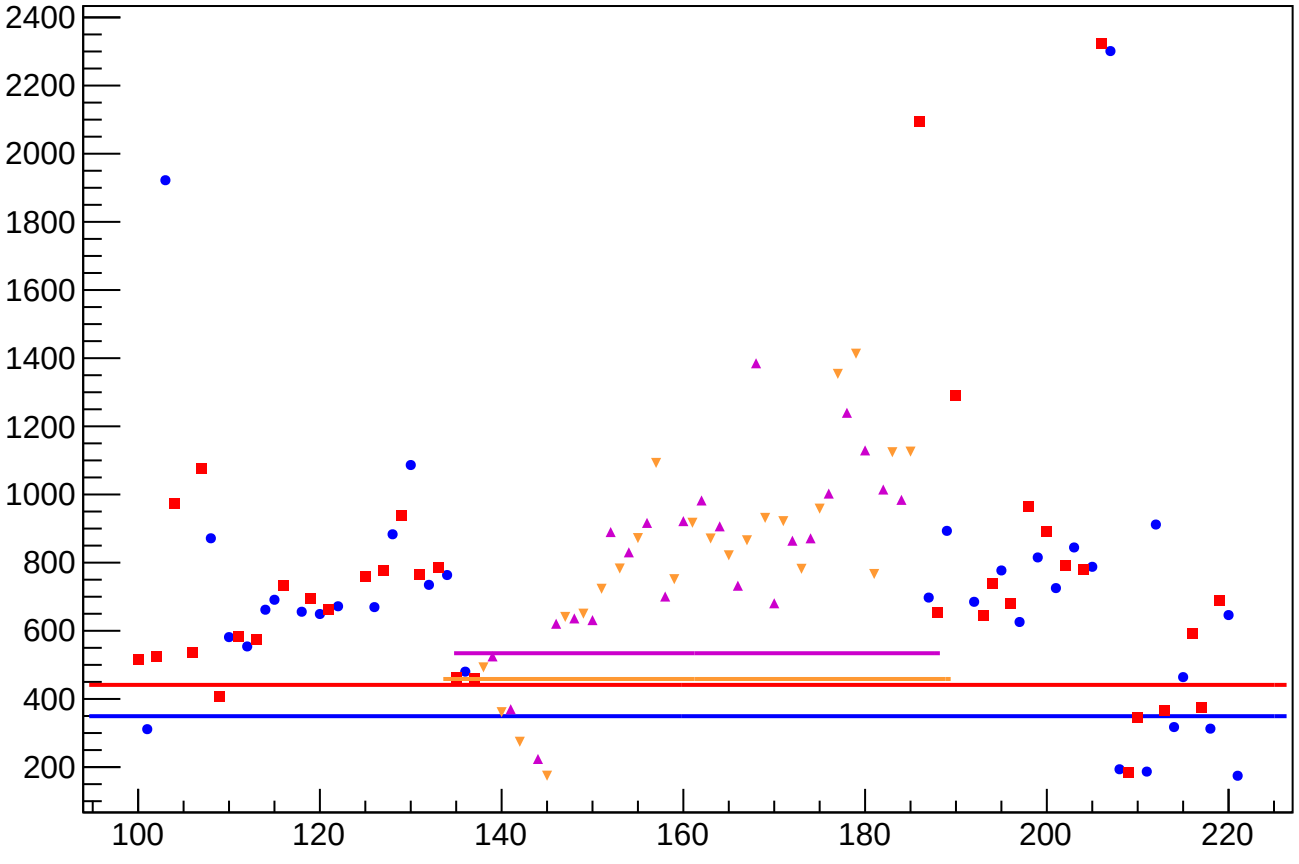
Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.737+/-0.196 χ^2/NDF: 731866.1/57

All: 1760.476+/-0.140 χ^2/NDF: 1088446.6/11

- sign 1765.405+/-0.199 χ^2/NDF: 355382.5/57


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 397.000+/-93.692 χ²/NDF: 35.5/33
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: 146.094+/-115.637 χ²/NDF: 46.3/34
Left In: -108.358+/-143.315 χ²/NDF:17.0/22
+ sign 260.494+/-76.019 χ²/NDF: 62.0/57
All: 171.076+/-58.073 χ²/NDF: 130.5/115
- sign 45.758+/-89.995 χ²/NDF: 65.2/57



Right In: 349.436+/-0.066 χ^2/NDF: 12620003.4/33

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

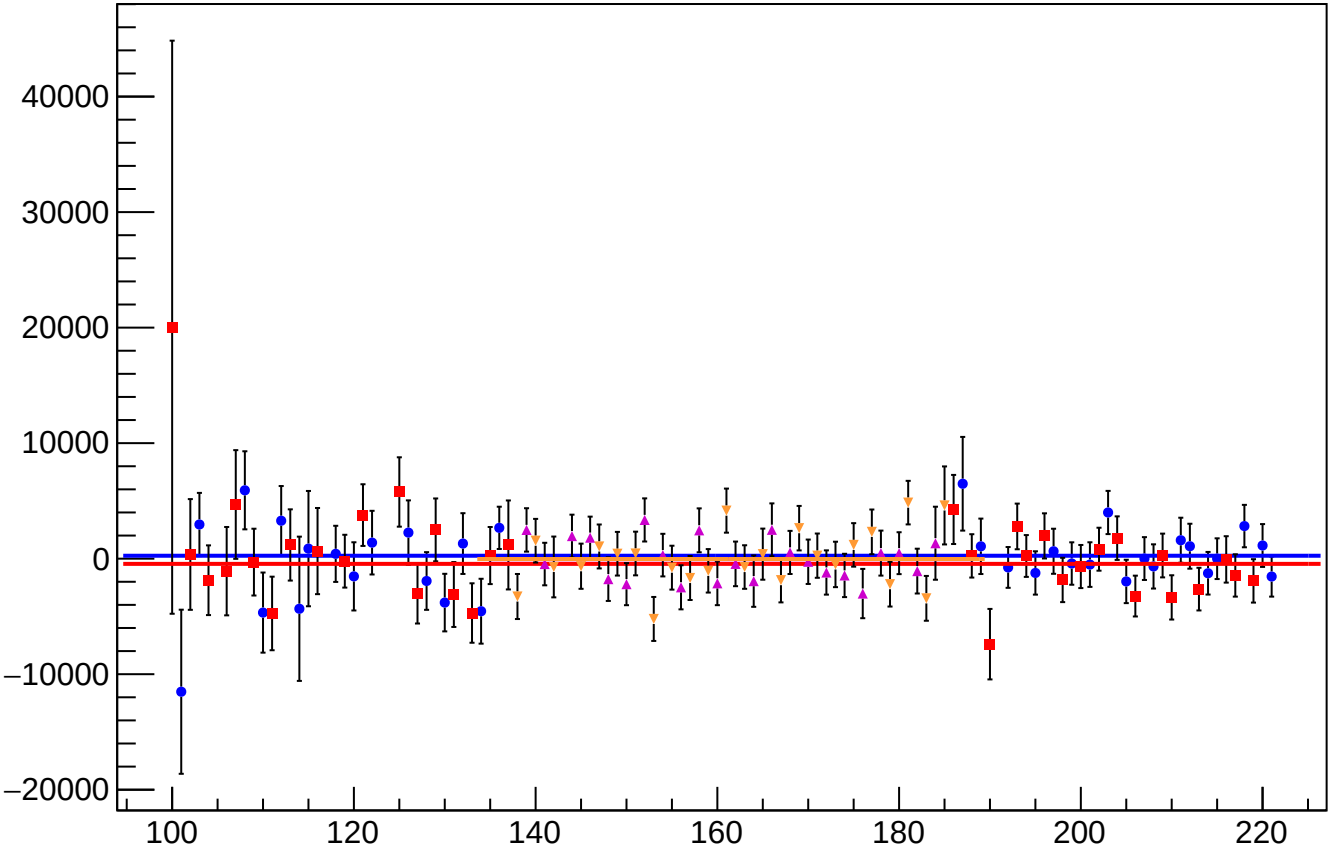
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 386.730+/-0.054 χ^2/NDF: 24973805.9/57

All: 424.696+/-0.041 χ^2/NDF: 45034863.2/11

- sign 477.904+/-0.064 χ^2/NDF: 18863091.3/57

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 253.469+/-383.474 χ^2/NDF: 33.5/33

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -450.490+/-396.868 χ^2/NDF: 39.0/34

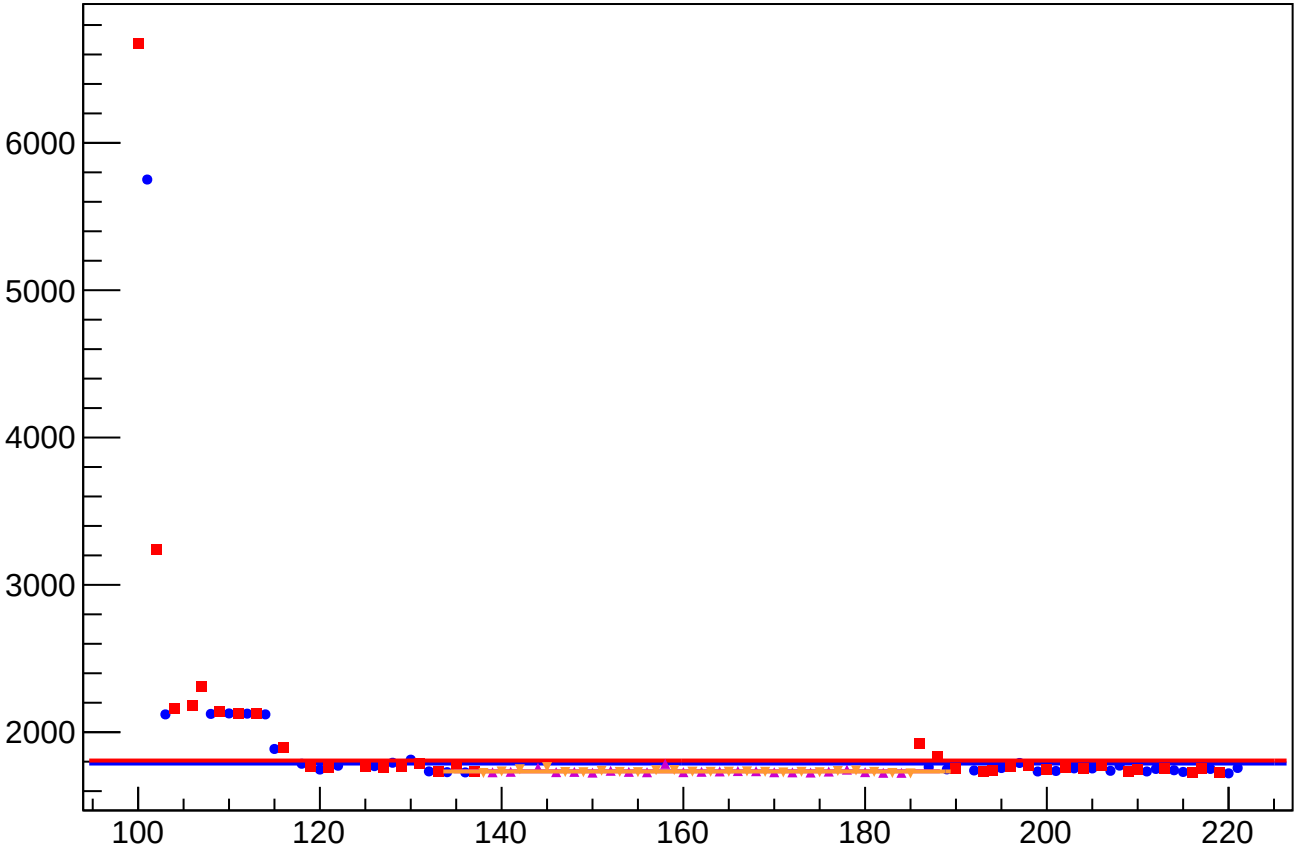
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 118.819+/-277.580 χ^2/NDF: 69.2/57

All: -62.028+/-198.331 χ^2/NDF: 129.4/115

- sign -250.641+/-283.477 χ^2/NDF: 59.4/57

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1787.326+/-0.271 χ^2/NDF: 746145.3/33

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

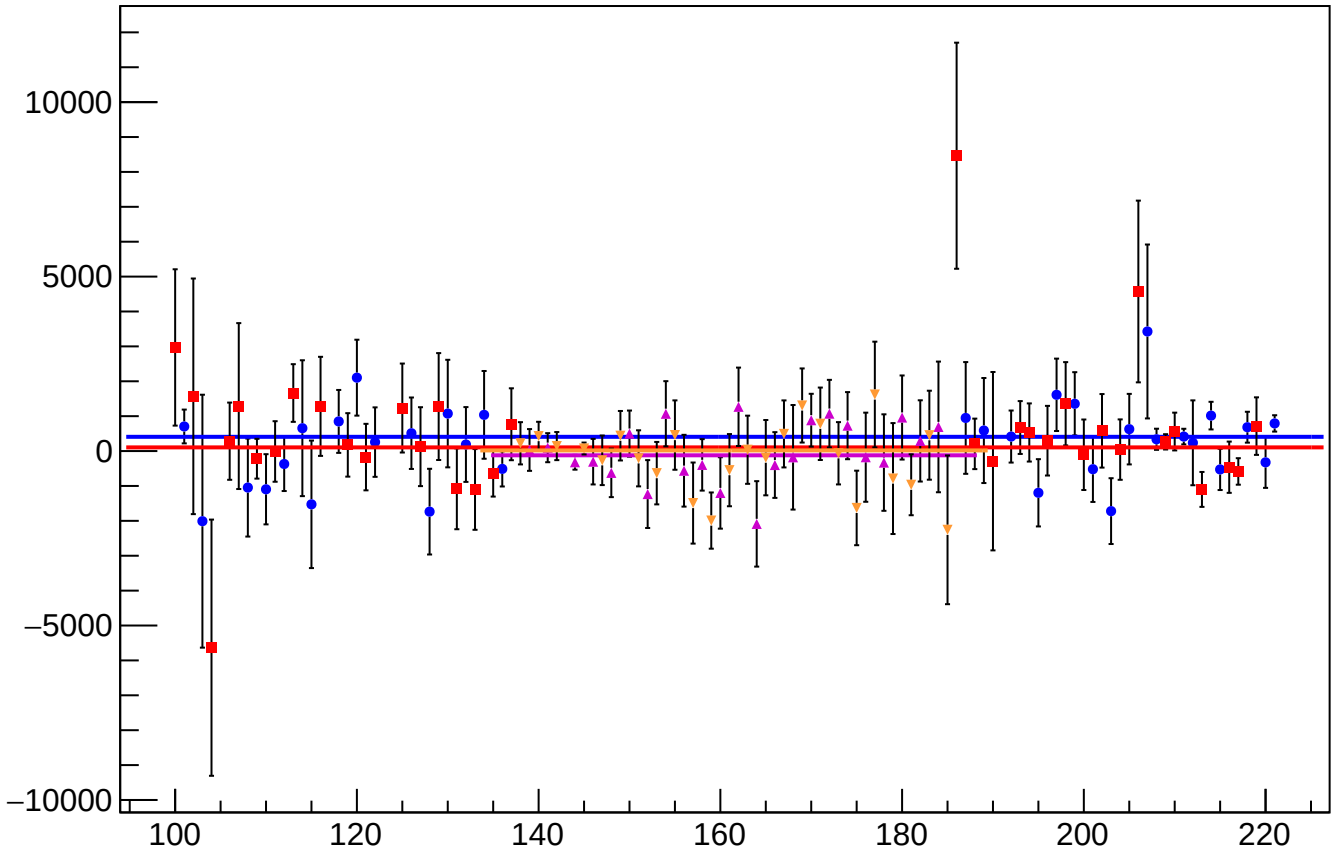
Right Out: 1807.579+/-0.281 χ^2/NDF: 432011.6/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1761.693+/-0.196 χ^2/NDF: 765819.5/57

All: 1766.707+/-0.140 χ^2/NDF: 1234274.4/11

- sign 1771.937+/-0.200 χ^2/NDF: 467121.4/57



Right In: 408.207+/-103.210 χ^2/NDF: 37.8/33

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

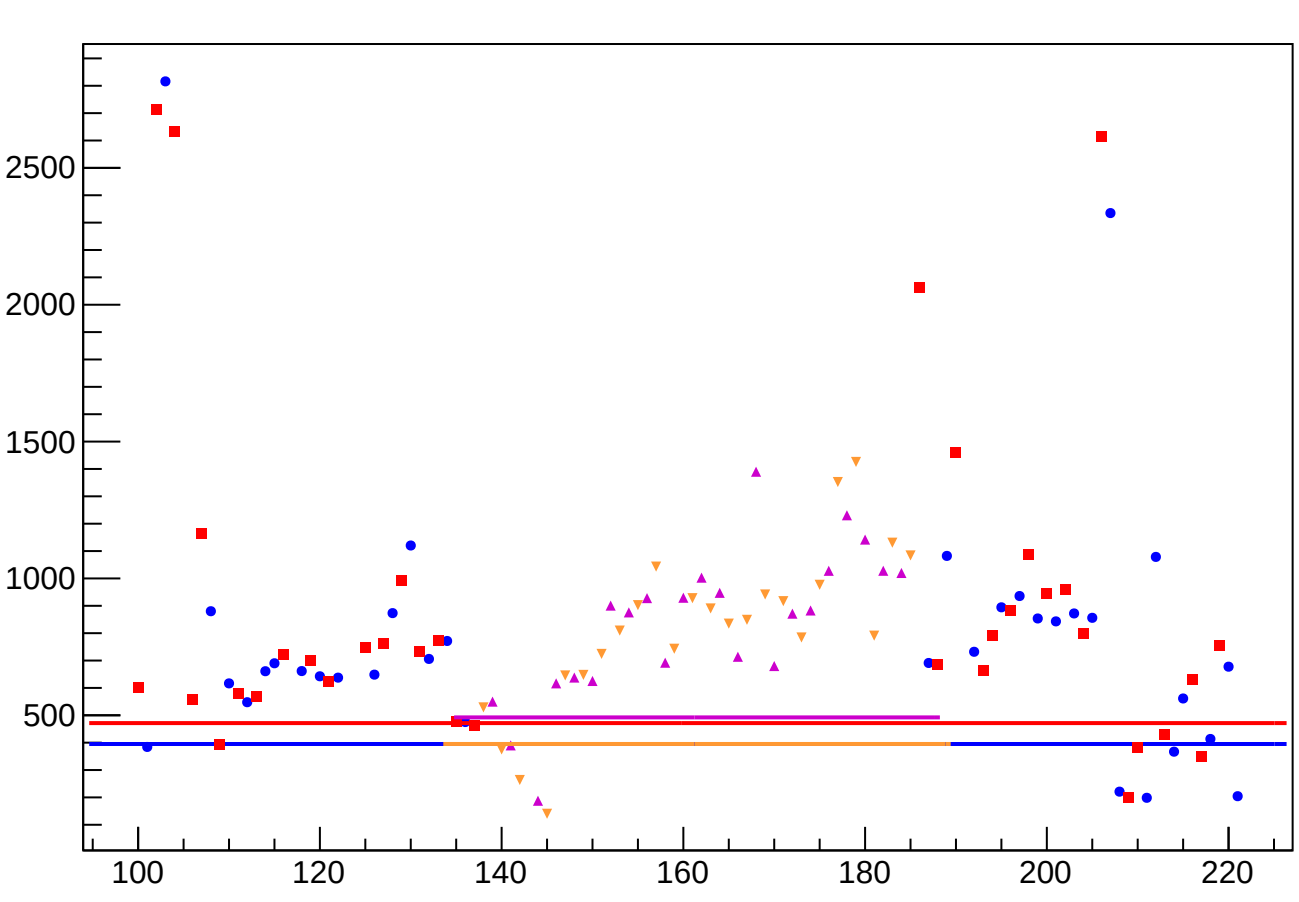
Right Out: 105.303+/-123.651 χ^2/NDF: 37.7/34

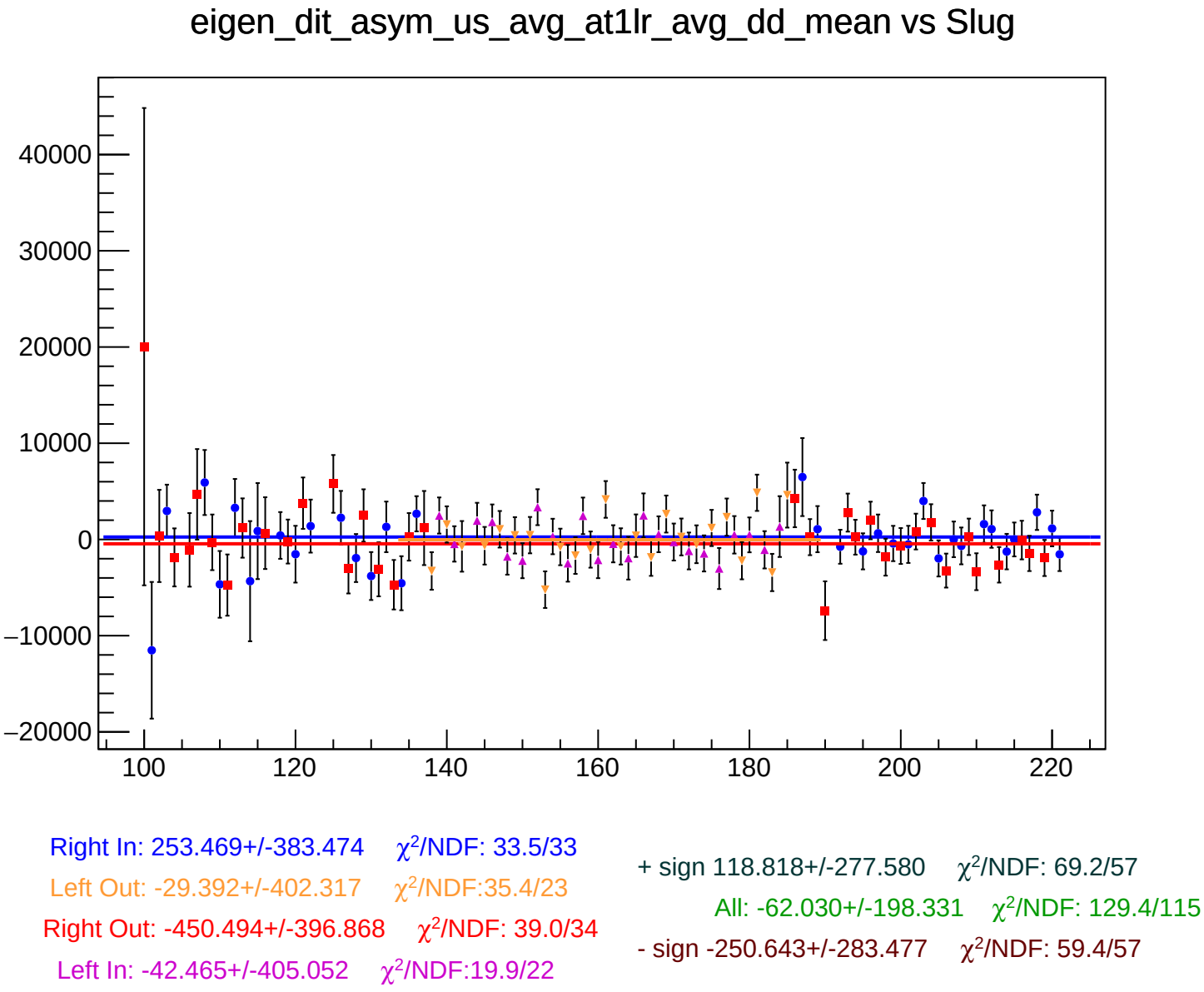
Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 241.237+/-78.063 χ^2/NDF: 63.3/57

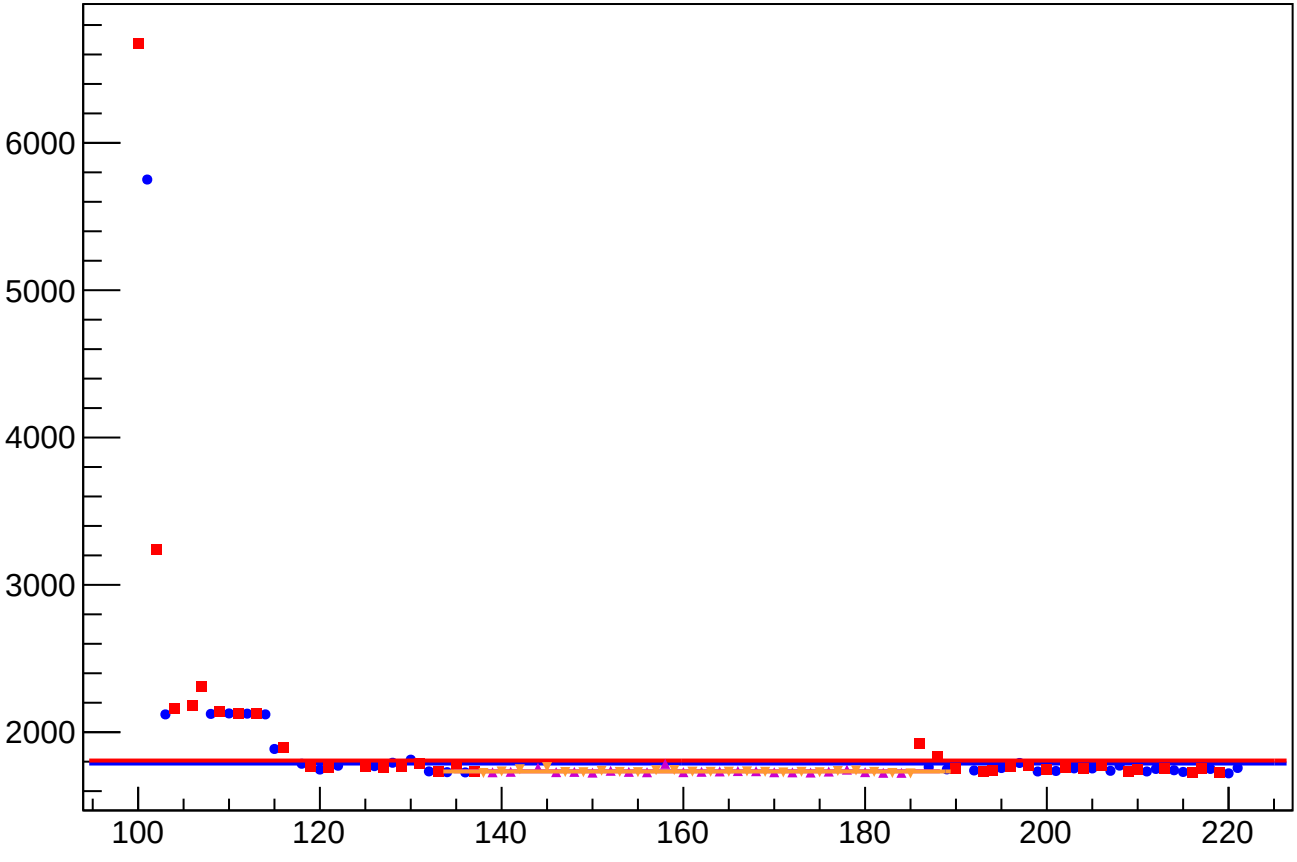
All: 141.523+/-59.479 χ^2/NDF: 122.9/115

- sign 3.517+/-91.837 χ^2/NDF: 55.7/57


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 395.092+/-0.073 χ²/NDF: 12772137.0/33
Left Out: 395.188+/-0.084 χ²/NDF:14334419.9/23
Right Out: 471.483+/-0.087 χ²/NDF: 11220404.0/34
Left In: 492.294+/-0.097 χ²/NDF:10419498.8/22
+ sign 395.133+/-0.055 χ²/NDF: 27106557.6/57
All: 431.073+/-0.042 χ²/NDF: 49782502.5/11
- sign 480.814+/-0.065 χ²/NDF: 21665306.1/57


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
220
Right In: 253.469+/-383.474 χ²/NDF: 33.5/33
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -450.494+/-396.868 χ²/NDF: 39.0/34
Left In: -42.465+/-405.052 χ²/NDF:19.9/22
+ sign 118.818+/-277.580 χ²/NDF: 69.2/57
All: -62.030+/-198.331 χ²/NDF: 129.4/115
- sign -250.643+/-283.477 χ²/NDF: 59.4/57

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1787.326+/-0.271 χ^2/NDF: 746144.9/33

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

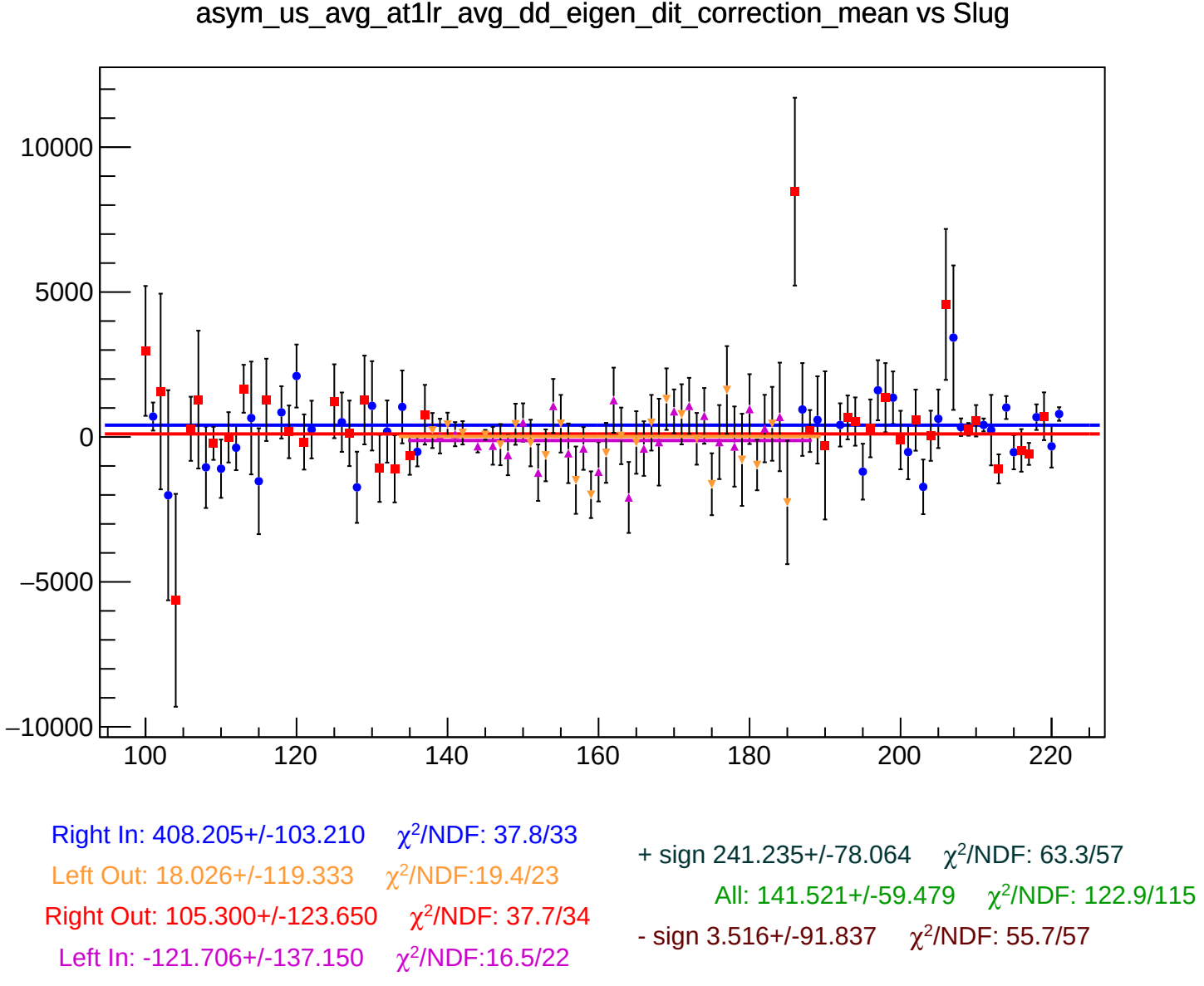
Right Out: 1807.579+/-0.281 χ^2/NDF: 432010.7/34

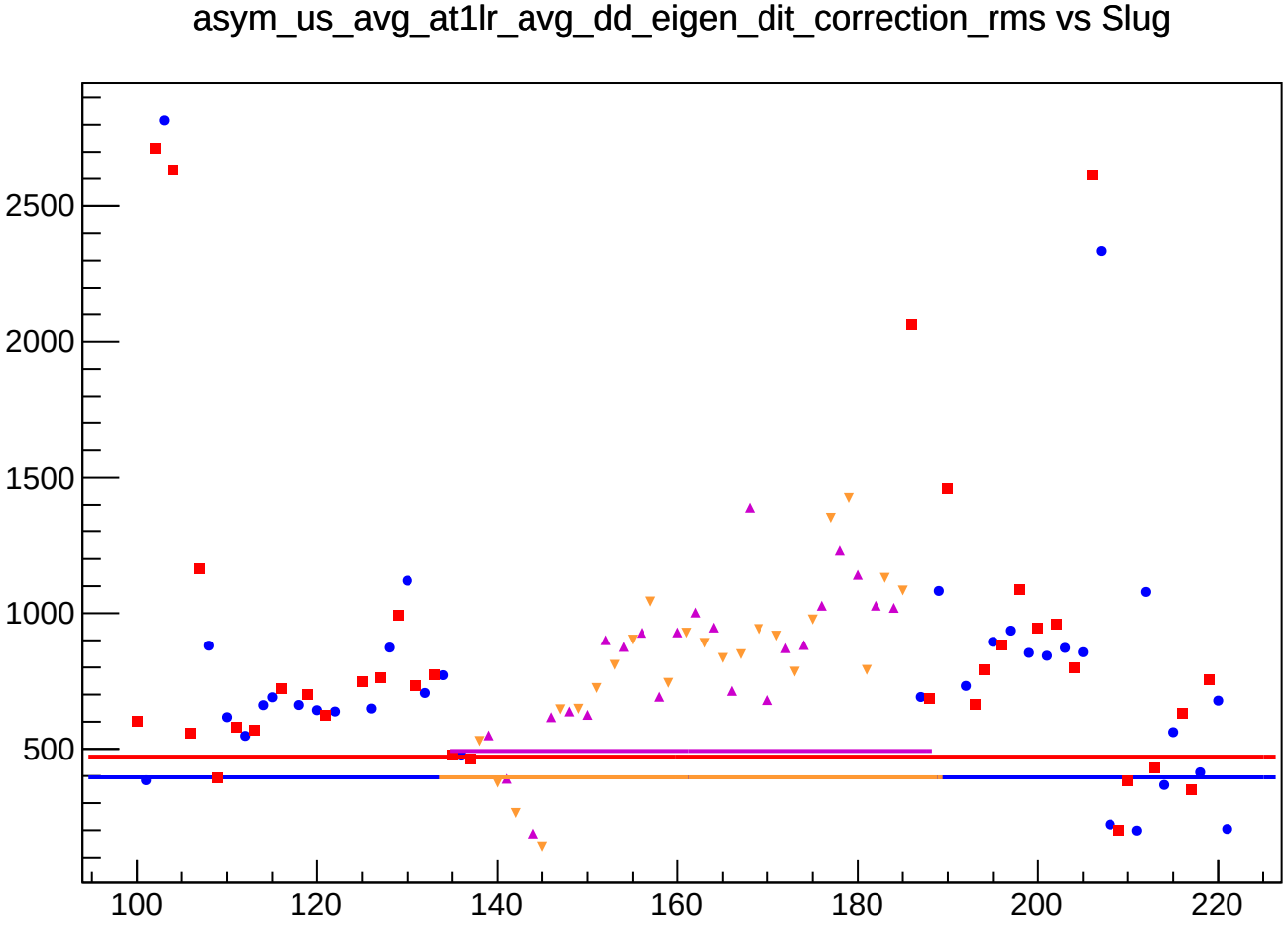
Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1761.693+/-0.196 χ^2/NDF: 765819.1/57

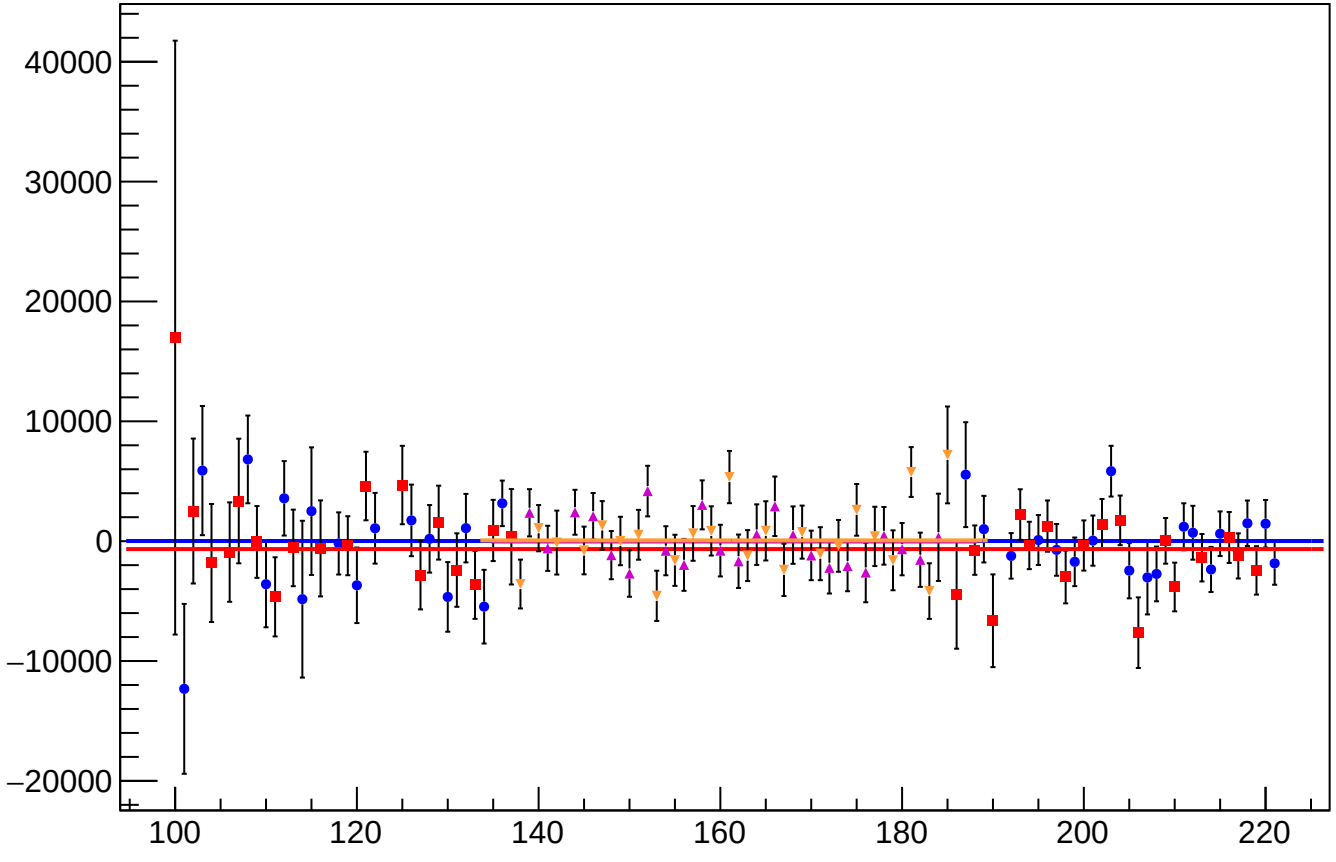
All: 1766.707+/-0.140 χ^2/NDF: 1234273.1/11

- sign 1771.937+/-0.200 χ^2/NDF: 467120.6/57


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 408.205+/-103.210 χ²/NDF: 37.8/33
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: 105.300+/-123.650 χ²/NDF: 37.7/34
Left In: -121.706+/-137.150 χ²/NDF:16.5/22
+ sign 241.235+/-78.064 χ²/NDF: 63.3/57
All: 141.521+/-59.479 χ²/NDF: 122.9/115
- sign 3.516+/-91.837 χ²/NDF: 55.7/57


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 395.093+/-0.073 χ²/NDF: 12772071.3/33
Left Out: 395.188+/-0.084 χ²/NDF:14334464.6/23
Right Out: 471.479+/-0.087 χ²/NDF: 11220492.8/34
Left In: 492.295+/-0.097 χ²/NDF:10419523.2/22
+ sign 395.134+/-0.055 χ²/NDF: 27106536.6/57
All: 431.073+/-0.042 χ²/NDF: 49782558.0/11
- sign 480.813+/-0.065 χ²/NDF: 21665429.3/57

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 12.151+/-424.419 χ^2/NDF: 39.8/33

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -658.238+/-439.990 χ^2/NDF: 30.6/34

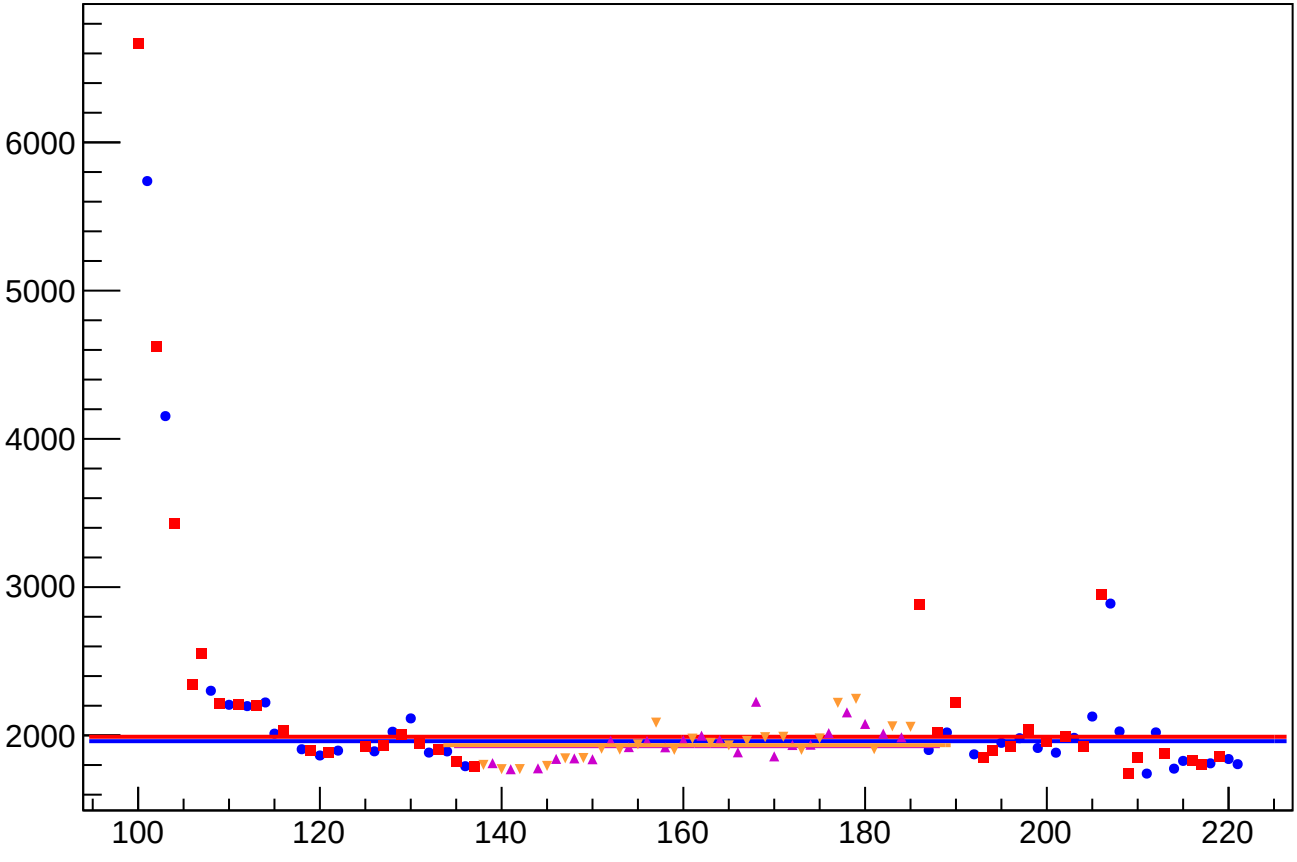
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 37.828+/-308.676 χ^2/NDF: 73.4/57

All: -152.023+/-220.420 χ^2/NDF: 125.7/115

- sign -349.551+/-314.857 χ^2/NDF: 51.6/57

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1960.805+/-0.300 χ^2/NDF: 1264544.7/33

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

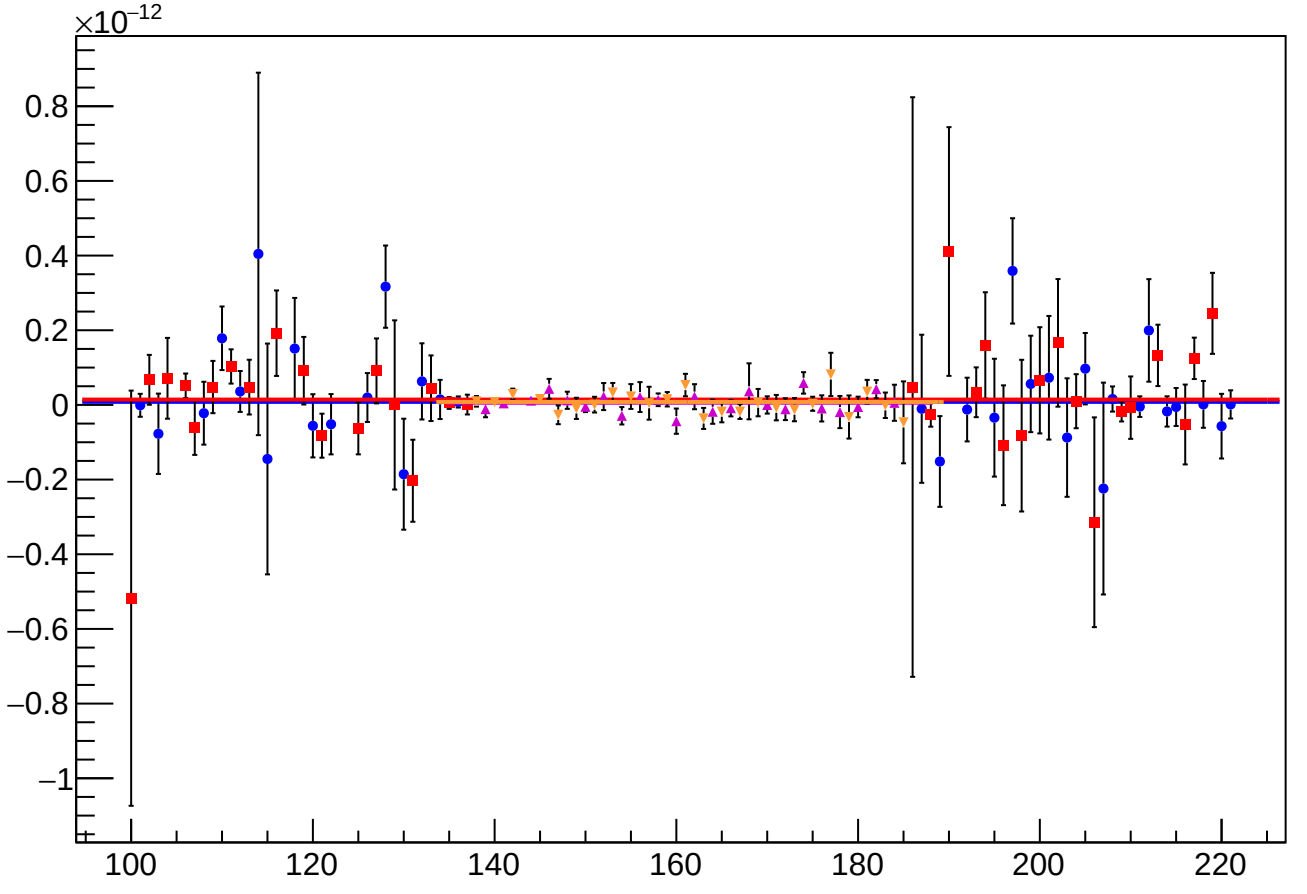
Right Out: 1990.632+/-0.311 χ^2/NDF: 1119251.0/34

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1948.086+/-0.218 χ^2/NDF: 1396889.3/57

All: 1953.752+/-0.156 χ^2/NDF: 2654281.1/11

- sign 1959.646+/-0.223 χ^2/NDF: 1256017.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

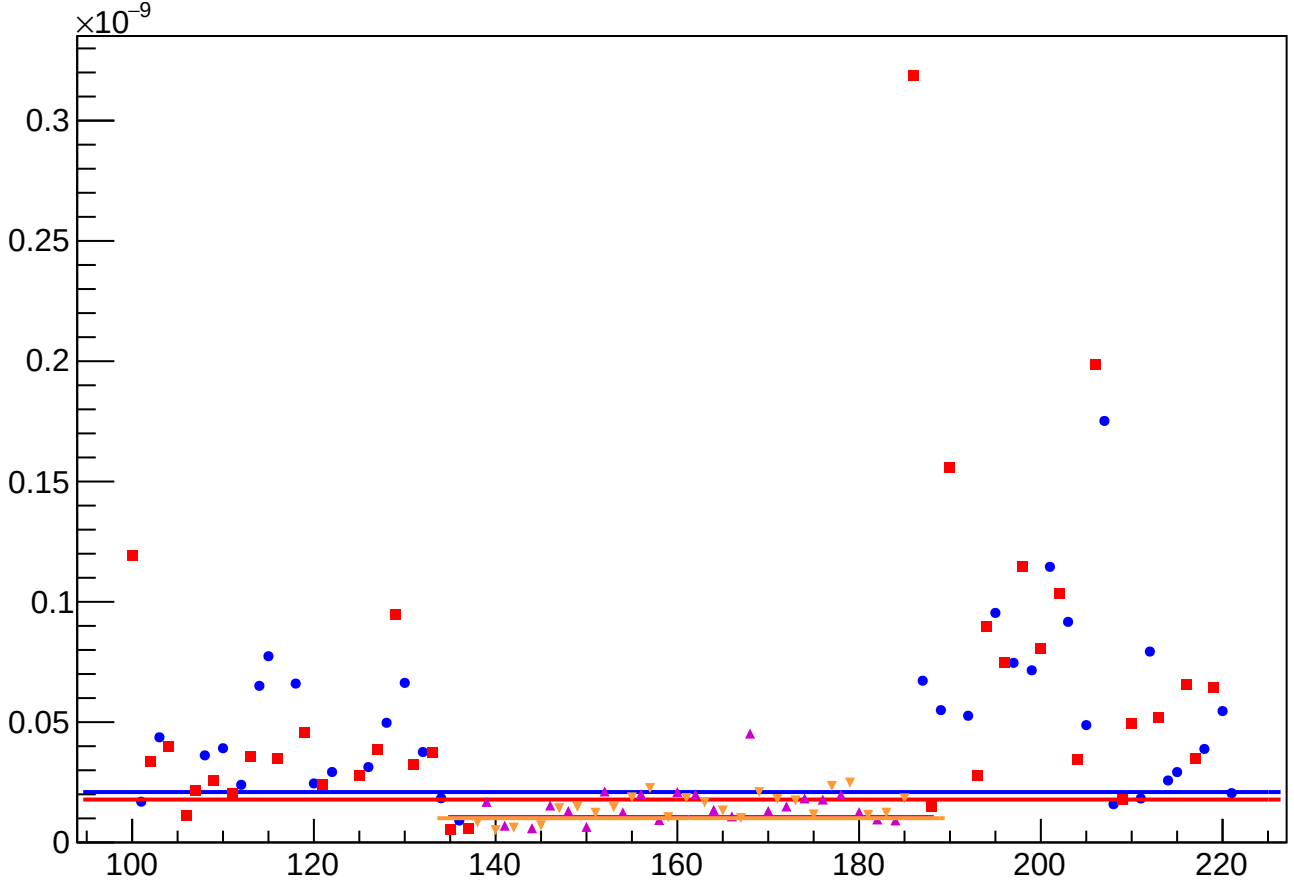
Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/34

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/57

All: 0.000+/-0.000 χ^2/NDF: 106.9/115

- sign 0.000+/-0.000 χ^2/NDF: 57.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 6669206.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

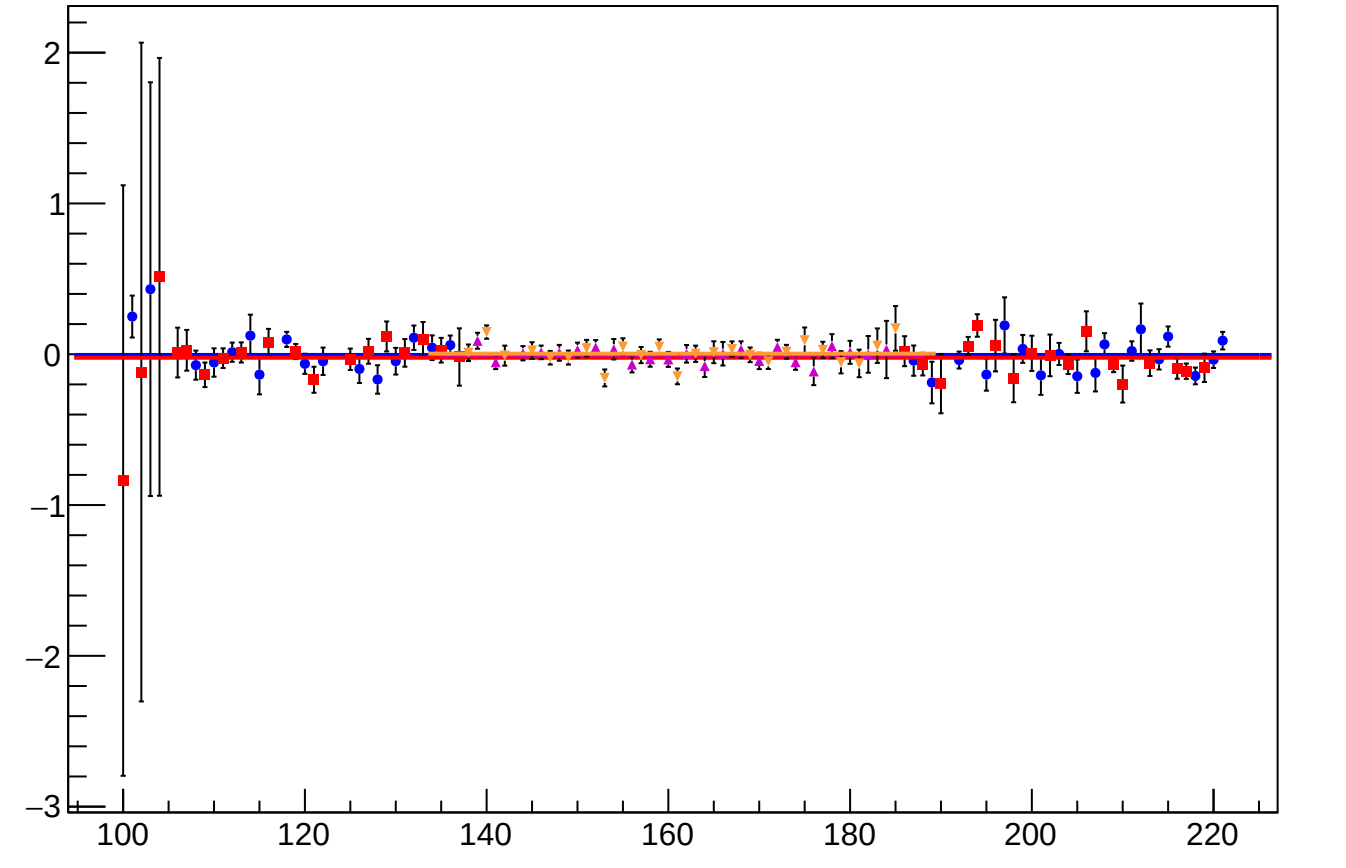
Right Out: 0.000+/-0.000 χ^2/NDF: 8269424.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11303589.3/57

All: 0.000+/-0.000 χ^2/NDF: 23202739.5/115

- sign 0.000+/-0.000 χ^2/NDF: 11898643.4/57



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

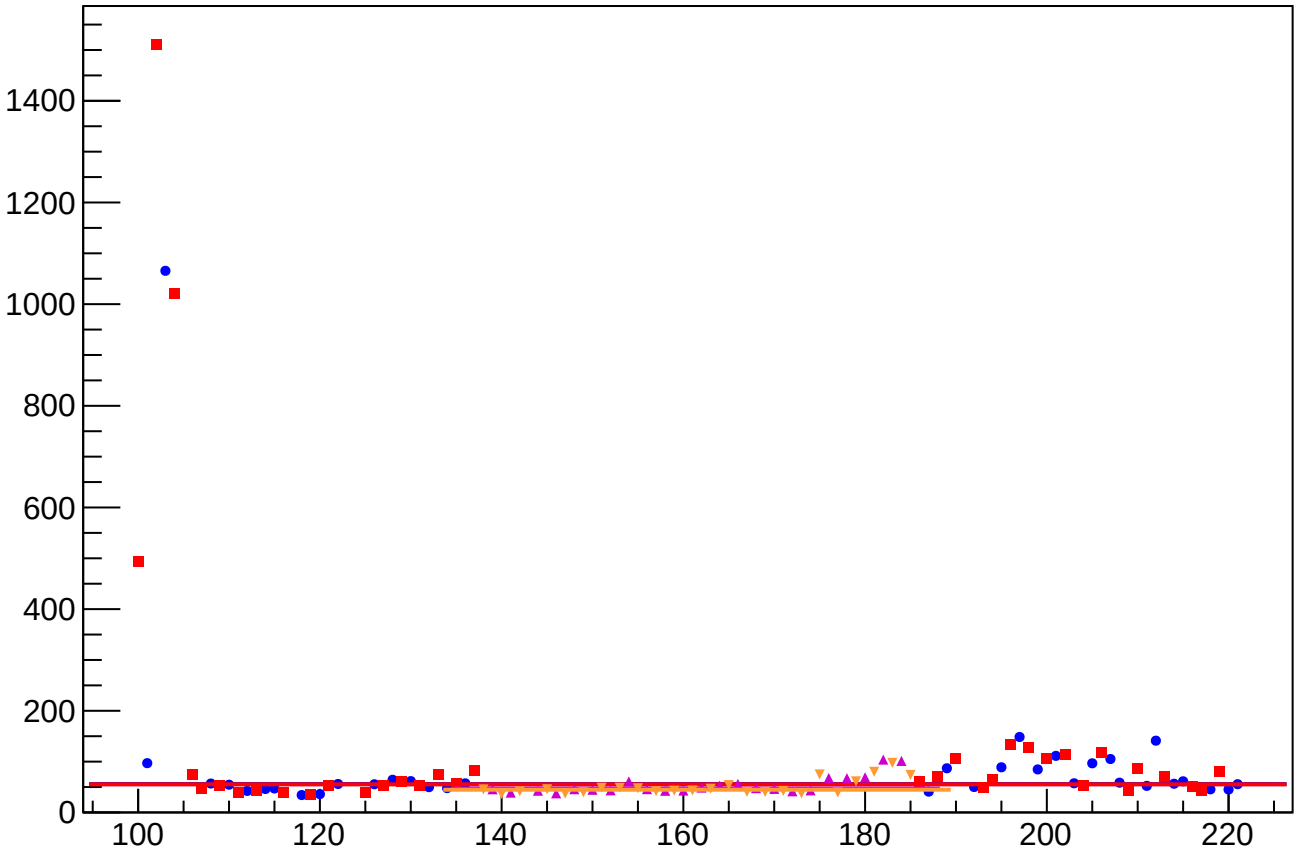
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.005+/-0.006 χ^2/NDF: 127.6/115

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.768+/-0.010 χ^2/NDF: 4644257.6/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

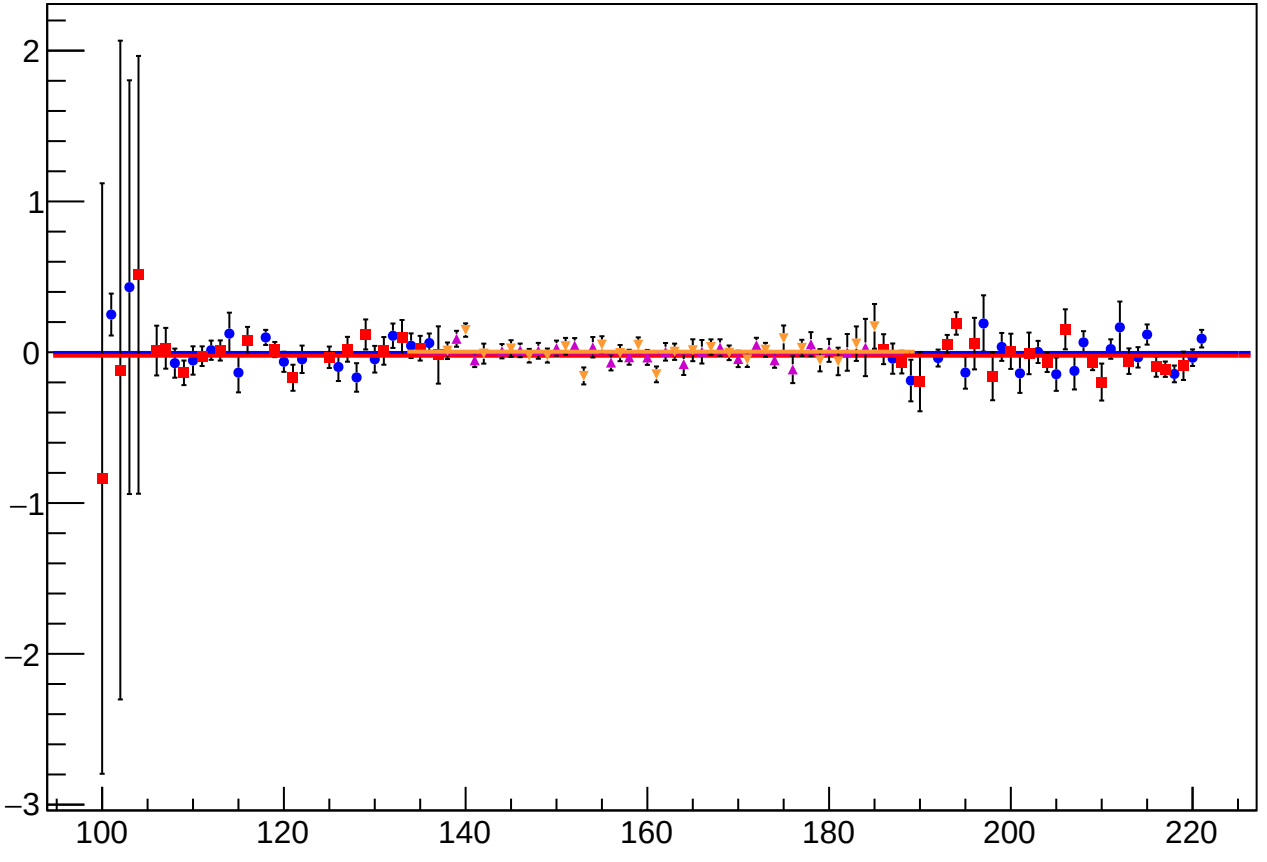
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877179.0/57

All: 49.795+/-0.005 χ^2/NDF: 14203793.9/115

- sign 50.397+/-0.007 χ^2/NDF: 7310256.8/57

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

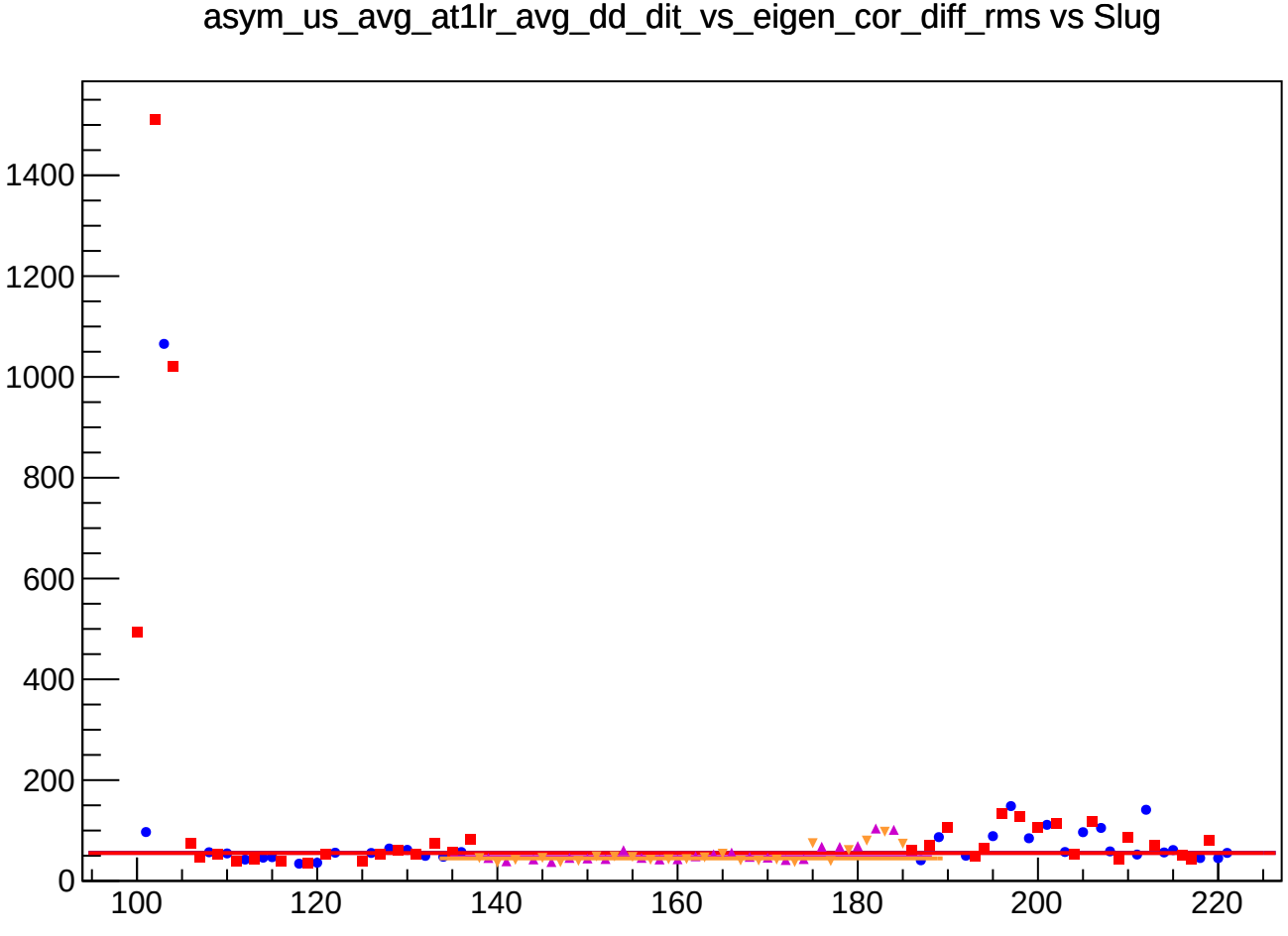
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.005+/-0.006 χ^2/NDF: 127.6/115

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.768+/-0.010 χ^2/NDF: 4644257.6/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

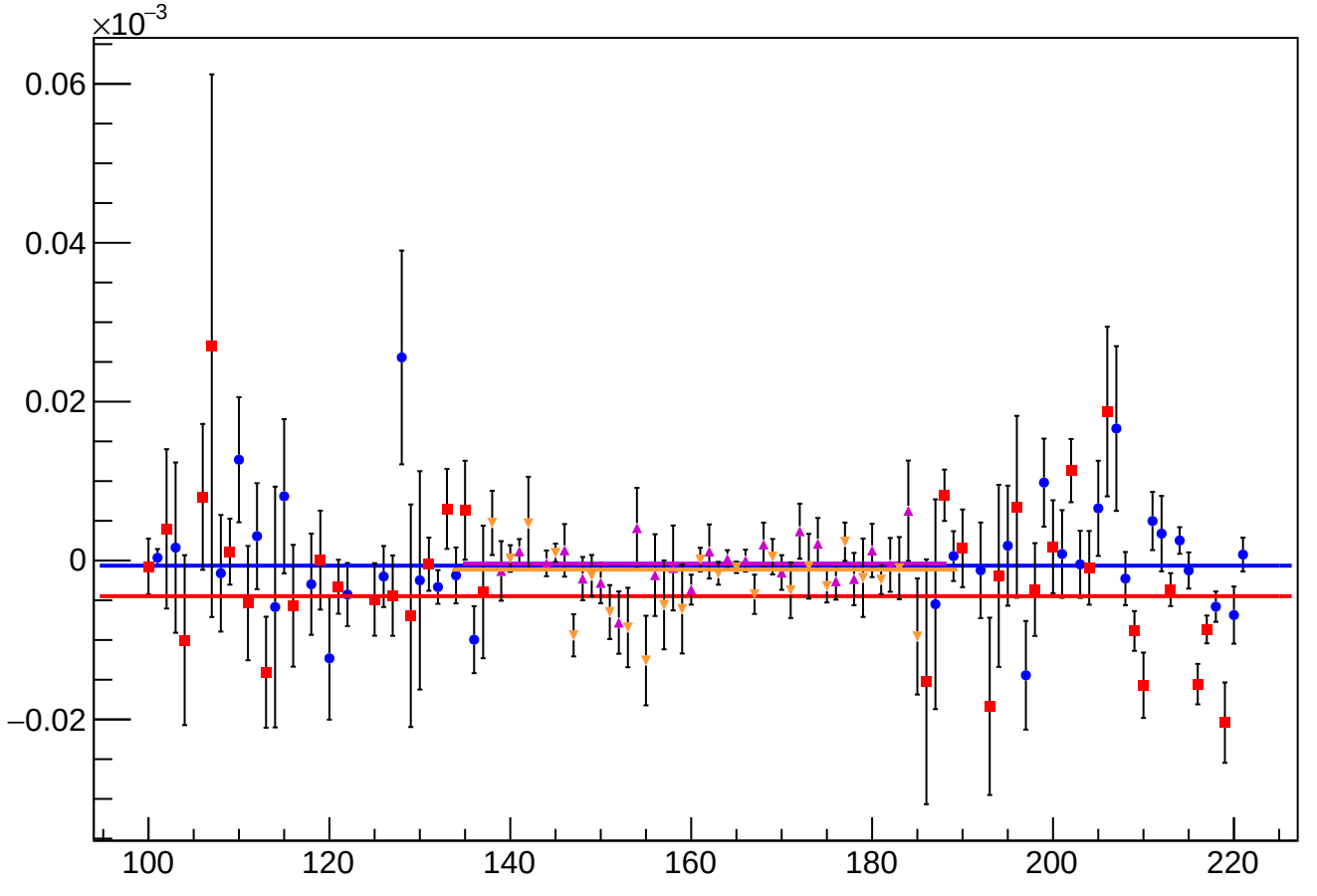
Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877179.0/57

All: 49.795+/-0.005 χ^2/NDF: 14203793.9/115

- sign 50.397+/-0.007 χ^2/NDF: 7310256.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 48.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

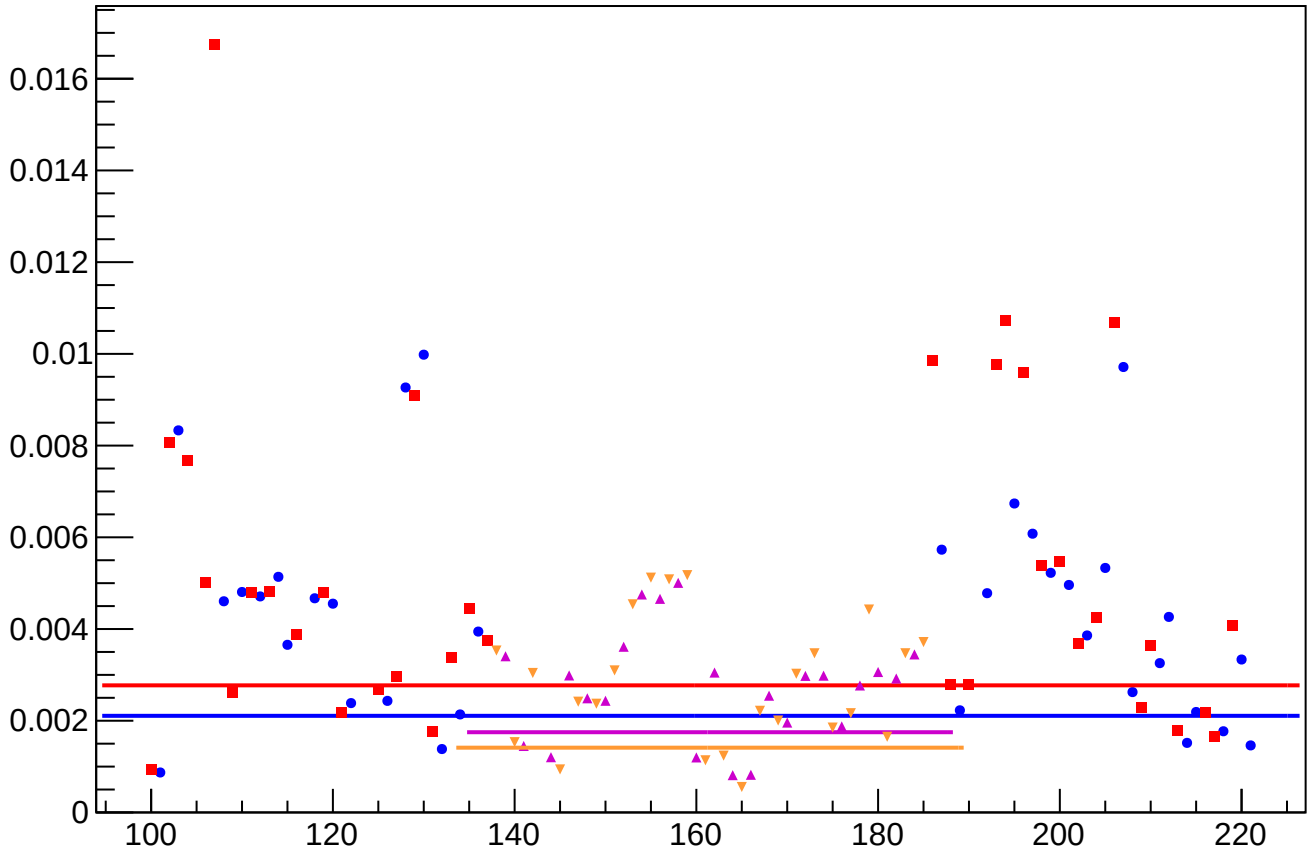
Right Out: -0.000+/-0.000 χ^2/NDF: 106.0/34

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.0/57

All: -0.000+/-0.000 χ^2/NDF: 231.2/115

- sign -0.000+/-0.000 χ^2/NDF: 144.3/57



Right In: 0.002+/-0.000 χ^2/NDF: 13023341.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10178278.9/34

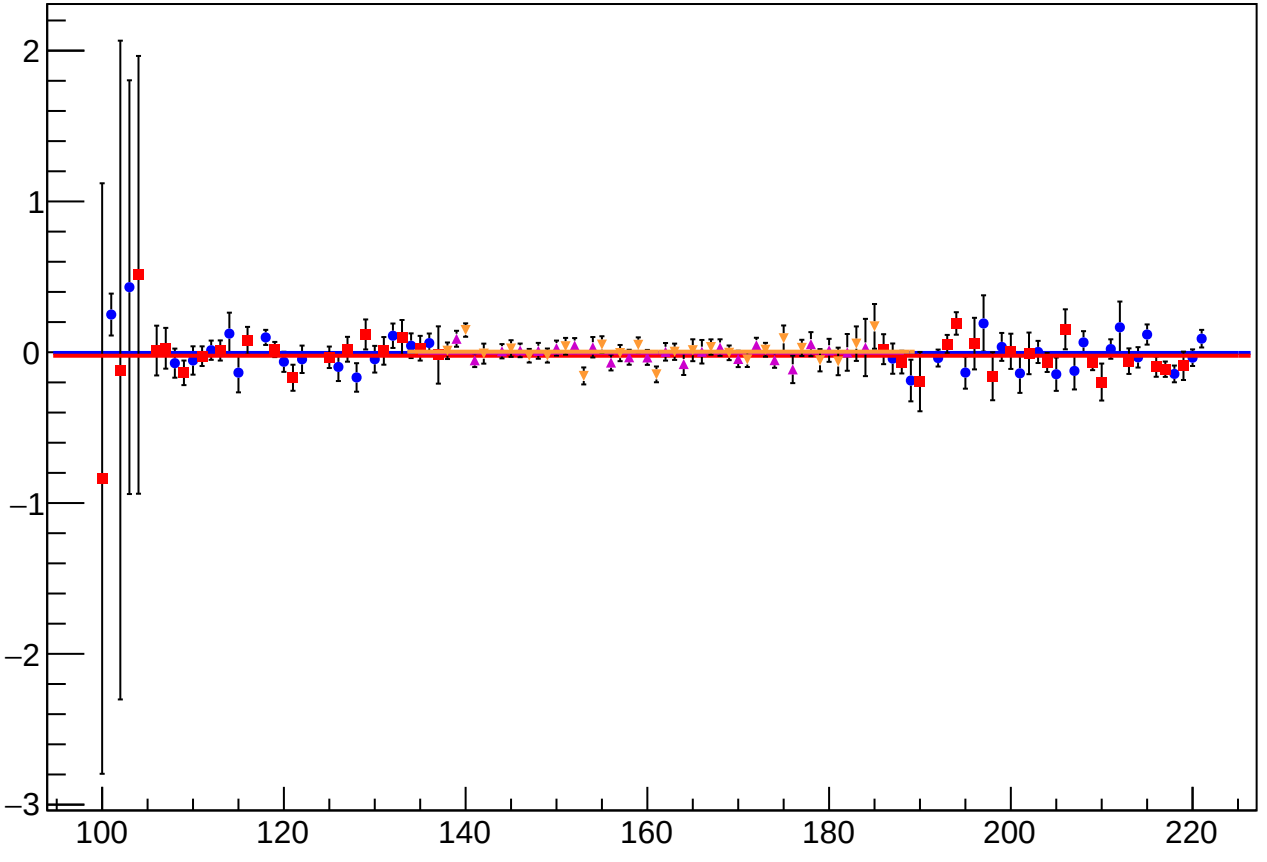
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 26583075.0/57

All: 0.002+/-0.000 χ^2/NDF: 49026837.2/115

- sign 0.002+/-0.000 χ^2/NDF: 21155683.8/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

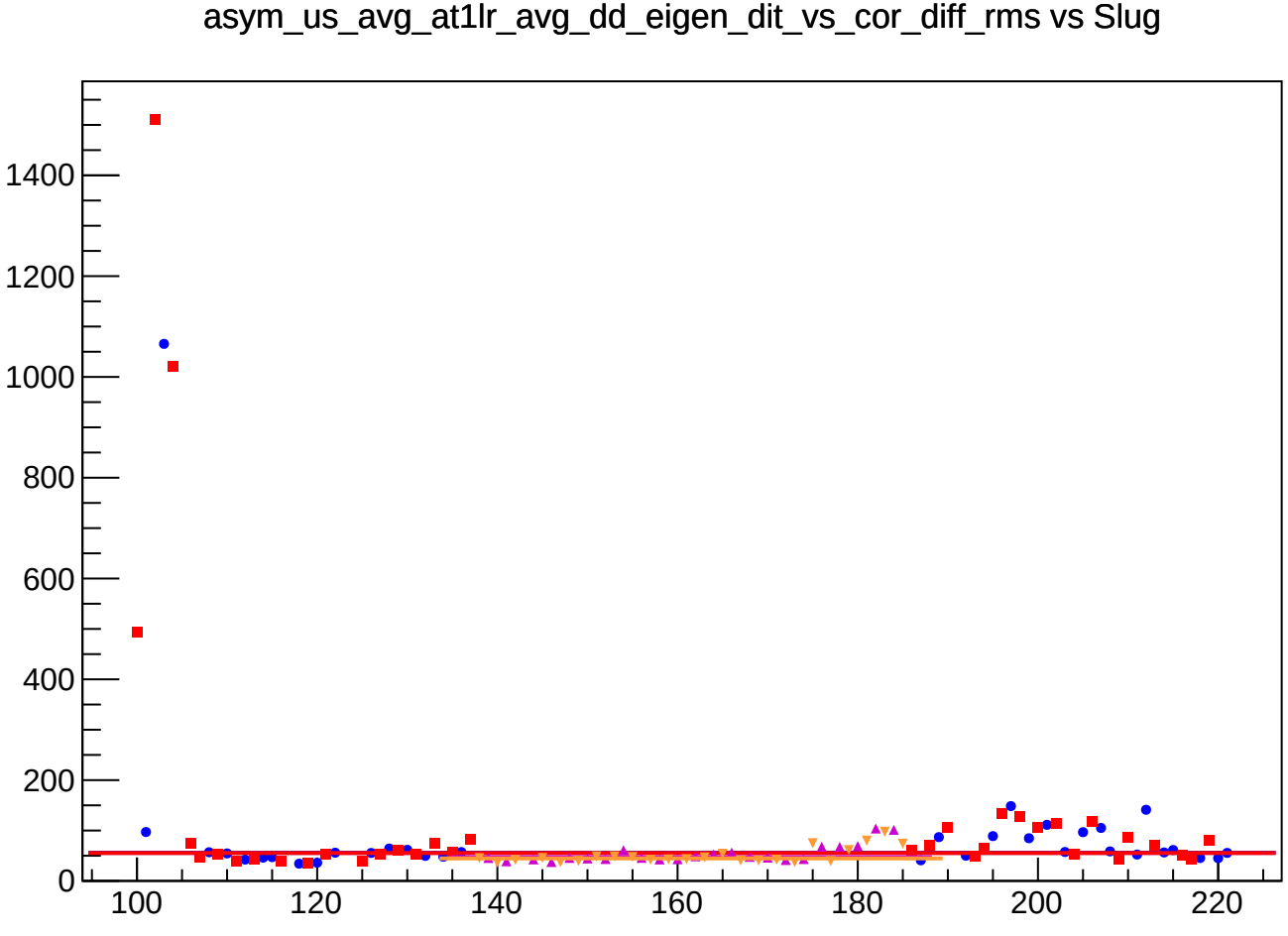
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.005+/-0.006 χ^2/NDF: 127.6/115

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.767+/-0.010 χ^2/NDF: 4644375.9/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

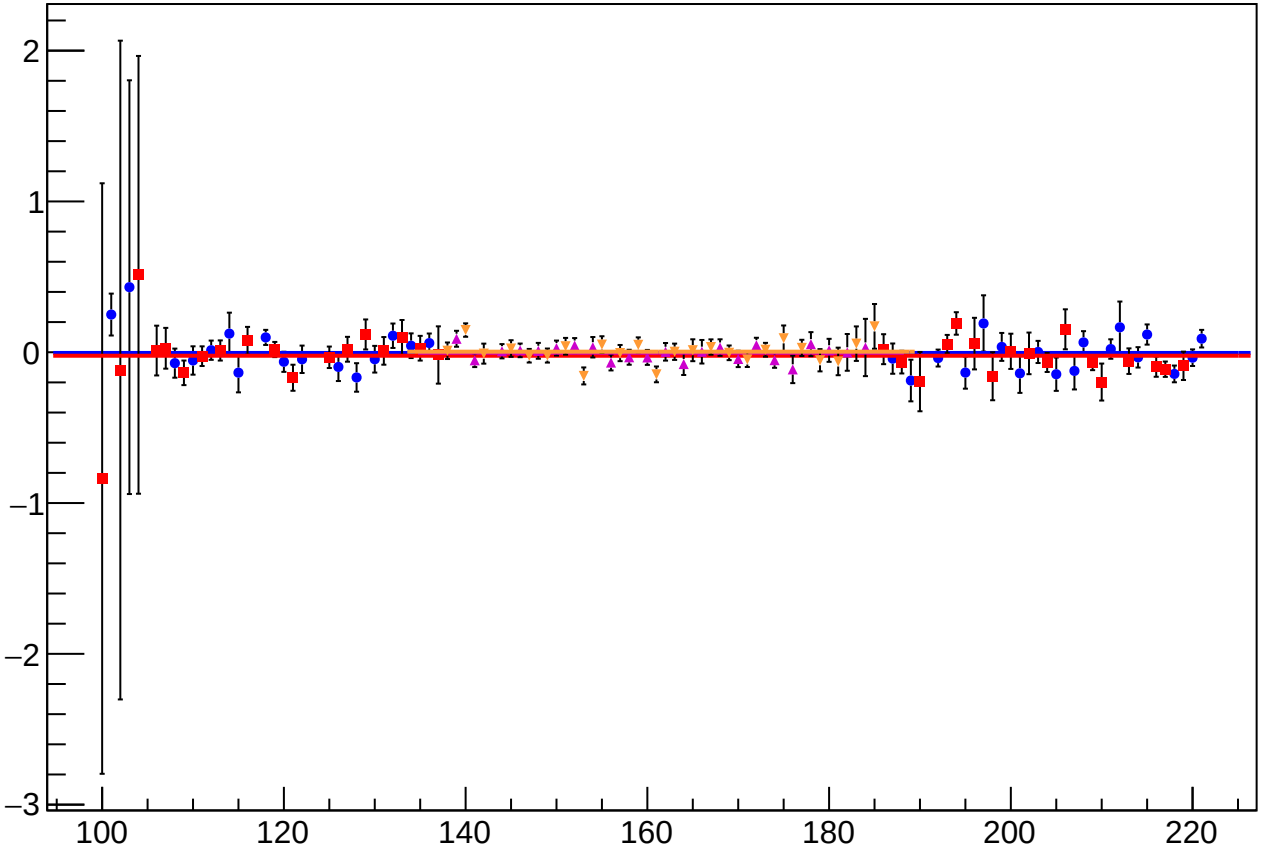
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877194.0/57

All: 49.795+/-0.005 χ^2/NDF: 14203961.2/115

- sign 50.396+/-0.007 χ^2/NDF: 7310419.4/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.014 χ^2/NDF: 42.4/33

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

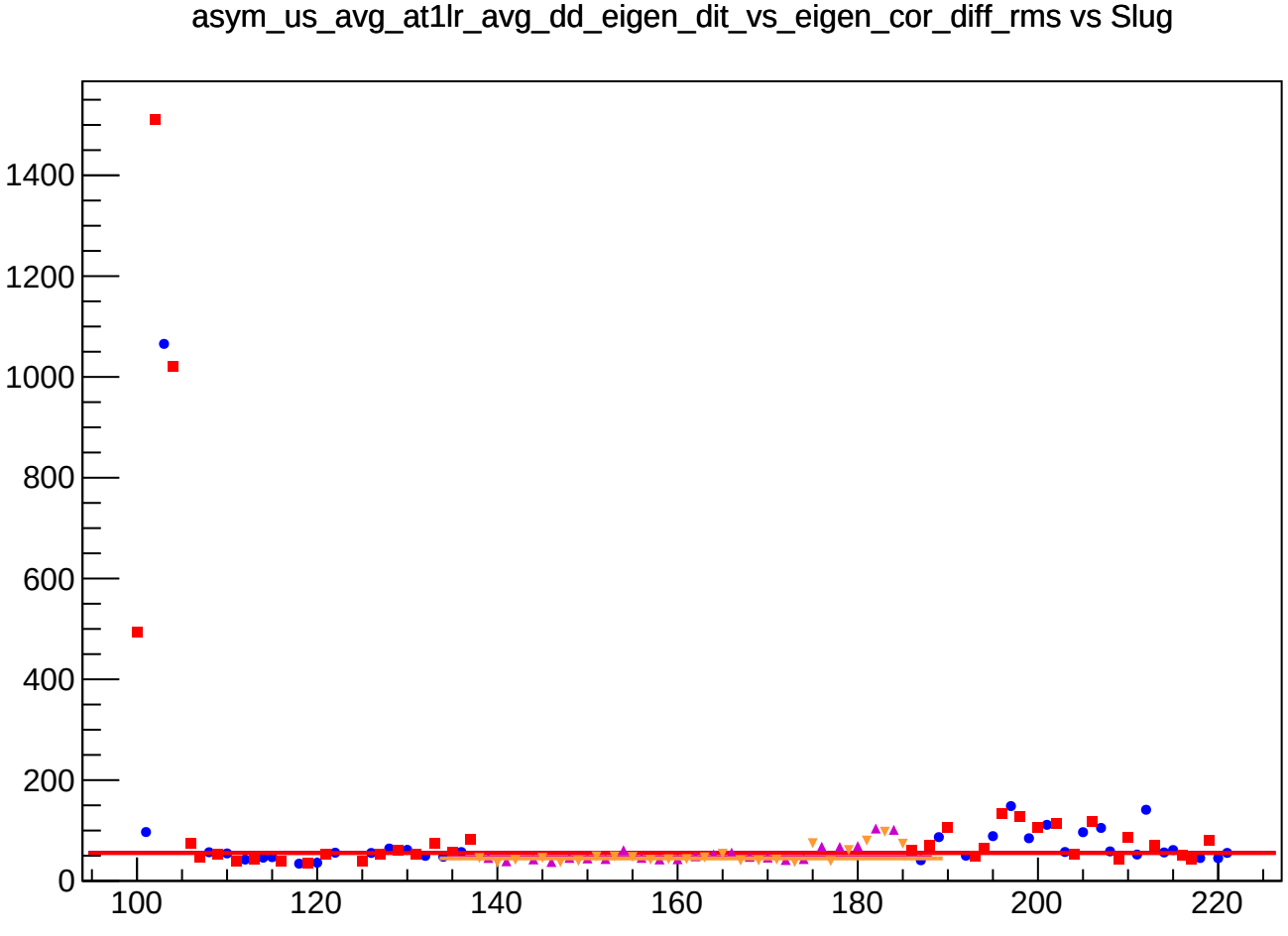
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.009 χ^2/NDF: 77.7/57

All: -0.005+/-0.006 χ^2/NDF: 127.6/115

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.767+/-0.010 χ^2/NDF: 4644375.9/33

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

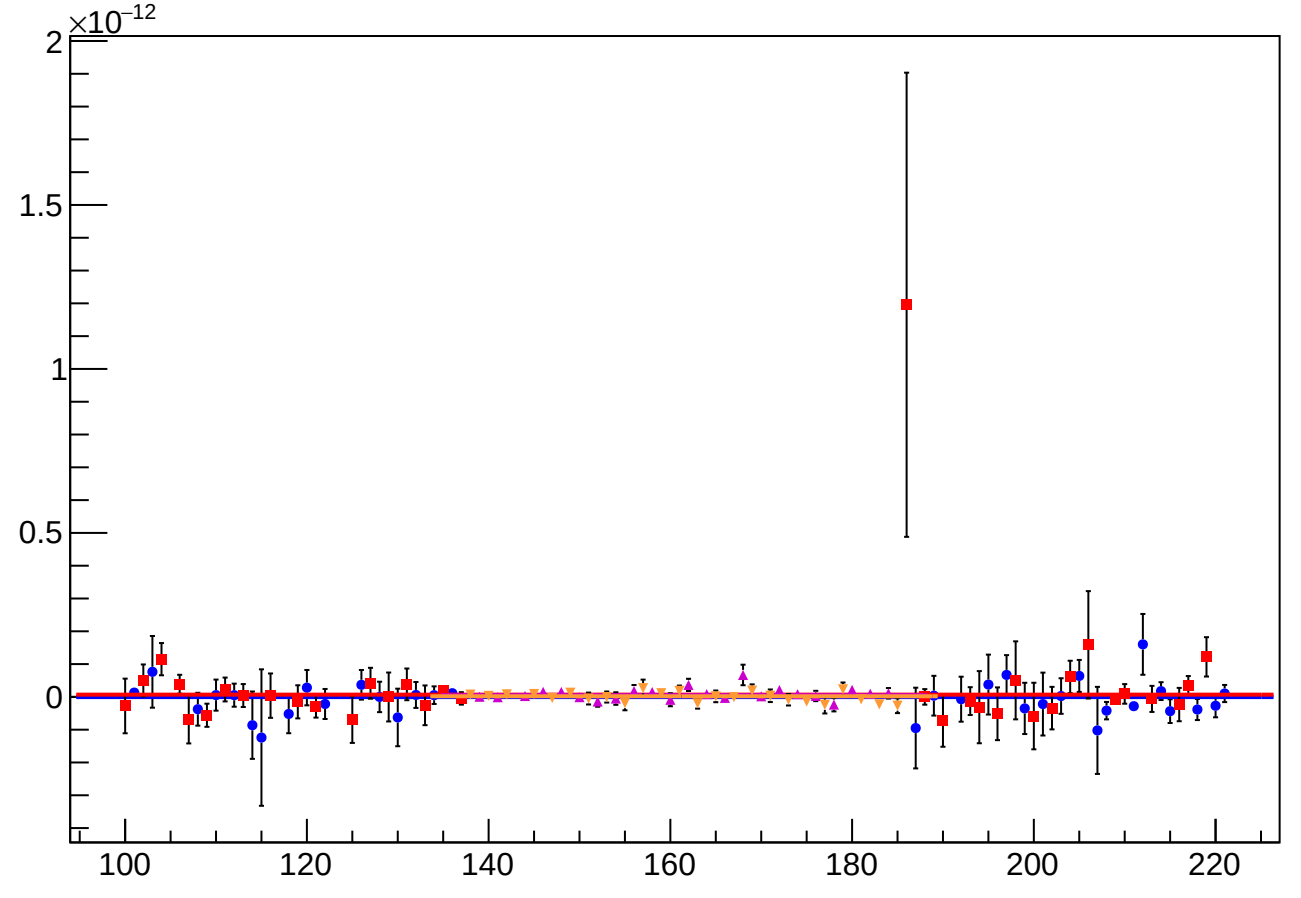
Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.241+/-0.006 χ^2/NDF: 6877194.0/57

All: 49.795+/-0.005 χ^2/NDF: 14203961.2/115

- sign 50.396+/-0.007 χ^2/NDF: 7310419.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

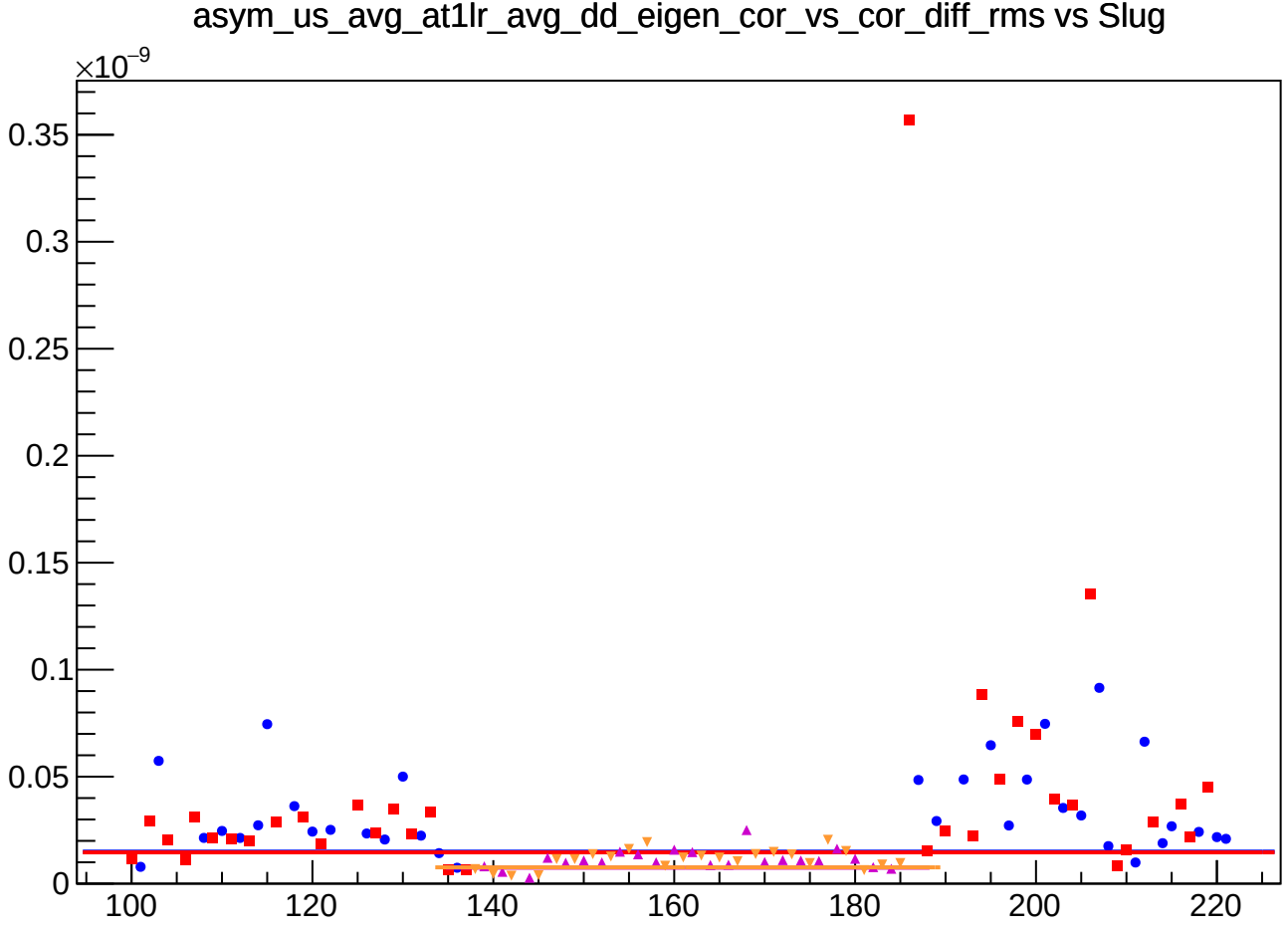
Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/34

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/57

All: 0.000+/-0.000 χ^2/NDF: 96.3/115

- sign 0.000+/-0.000 χ^2/NDF: 48.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 8645675.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9671222.2/34

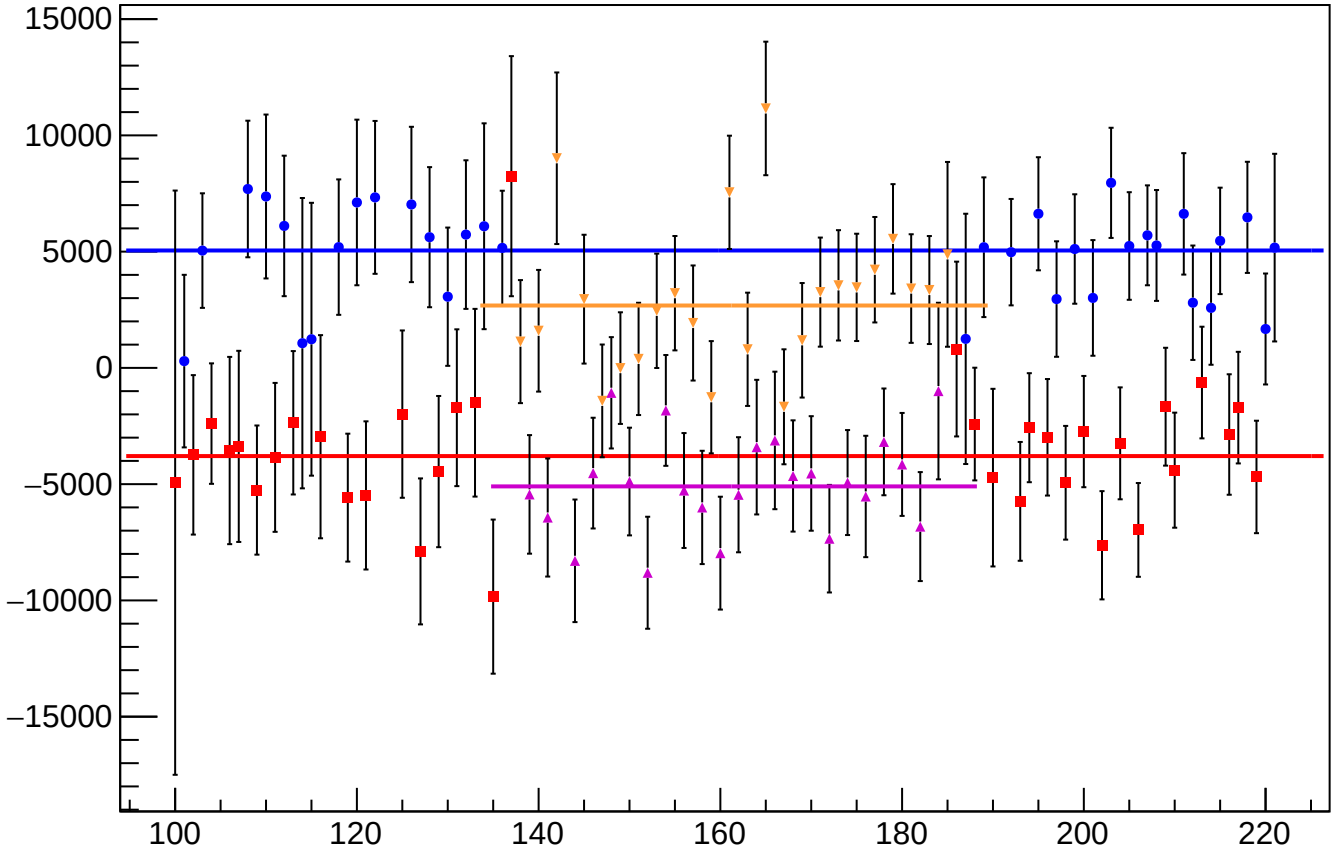
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17469823.4/57

All: 0.000+/-0.000 χ^2/NDF: 36042826.1/115

- sign 0.000+/-0.000 χ^2/NDF: 18556107.3/57

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5049.204+/-478.685 χ^2/NDF: 14.1/33

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3792.550+/-484.334 χ^2/NDF: 25.0/34

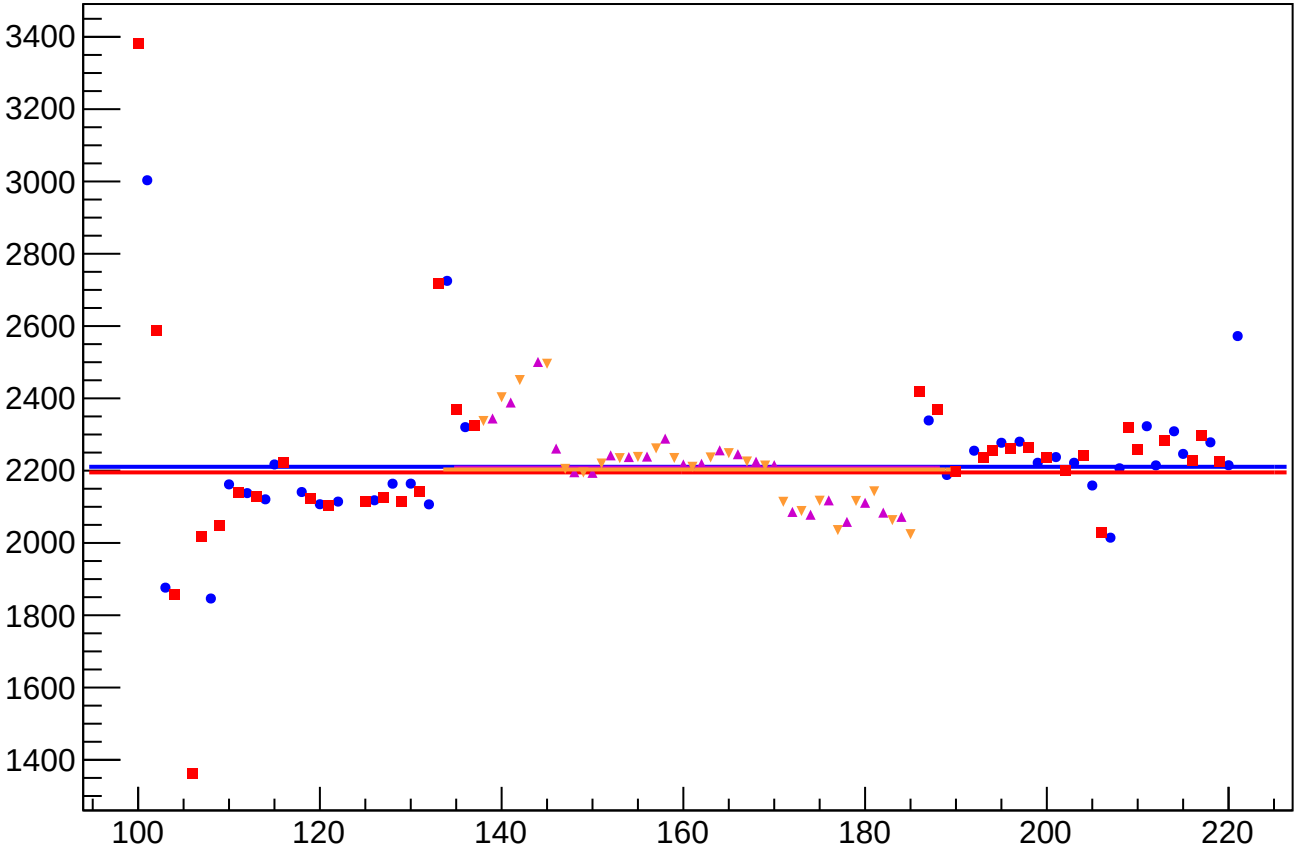
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3945.570+/-349.673 χ^2/NDF: 56.4/57

All: -186.627+/-248.499 χ^2/NDF: 381.8/115

- sign -4402.963+/-353.215 χ^2/NDF: 43.3/57

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2210.679+/-0.338 χ^2/NDF: 249137.0/33

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

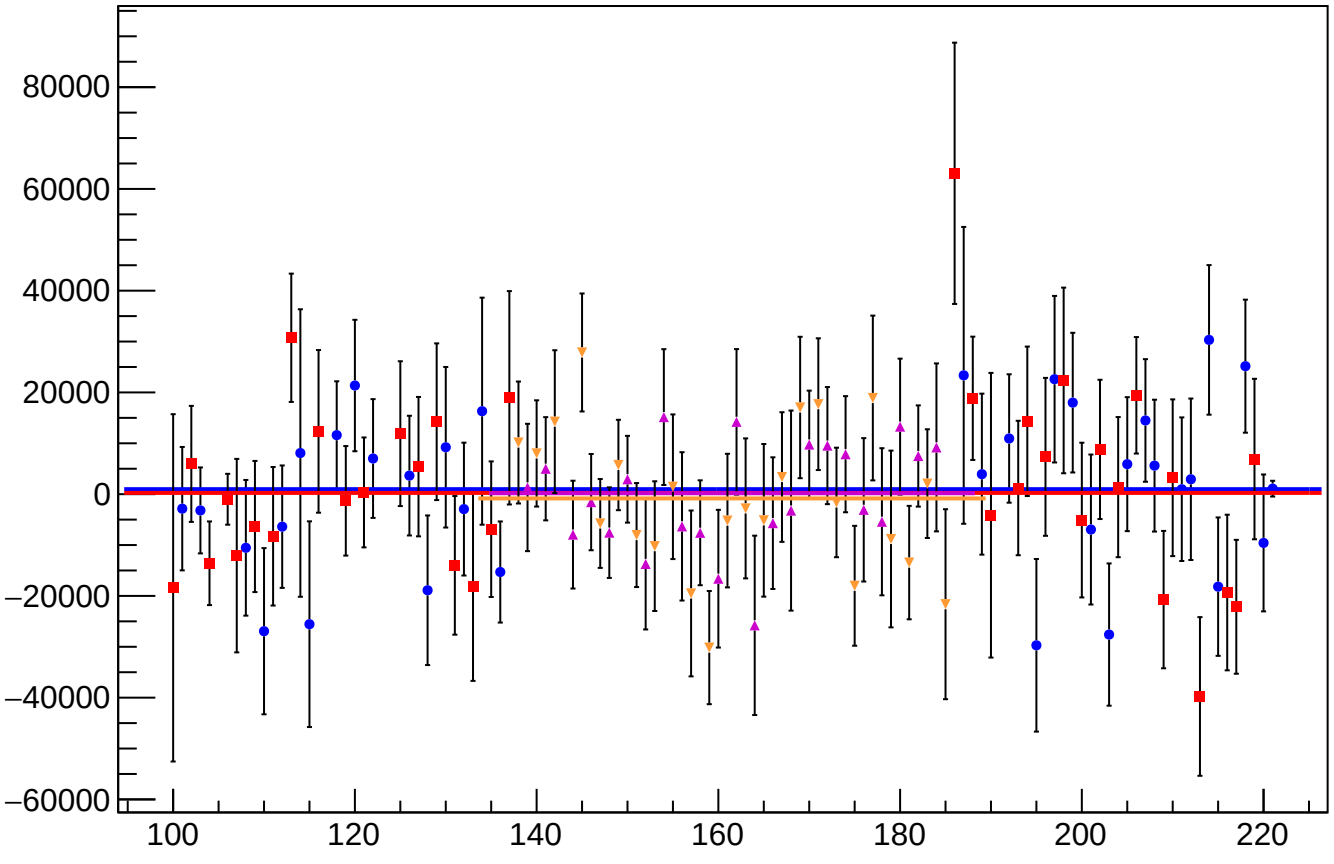
Right Out: 2195.157+/-0.340 χ^2/NDF: 340644.2/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2207.236+/-0.247 χ^2/NDF: 337567.2/57

All: 2204.293+/-0.175 χ^2/NDF: 760192.8/115

- sign 2201.309+/-0.249 χ^2/NDF: 422340.2/57



Right In: 984.049+/-1294.443 χ^2/NDF: 39.1/33

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

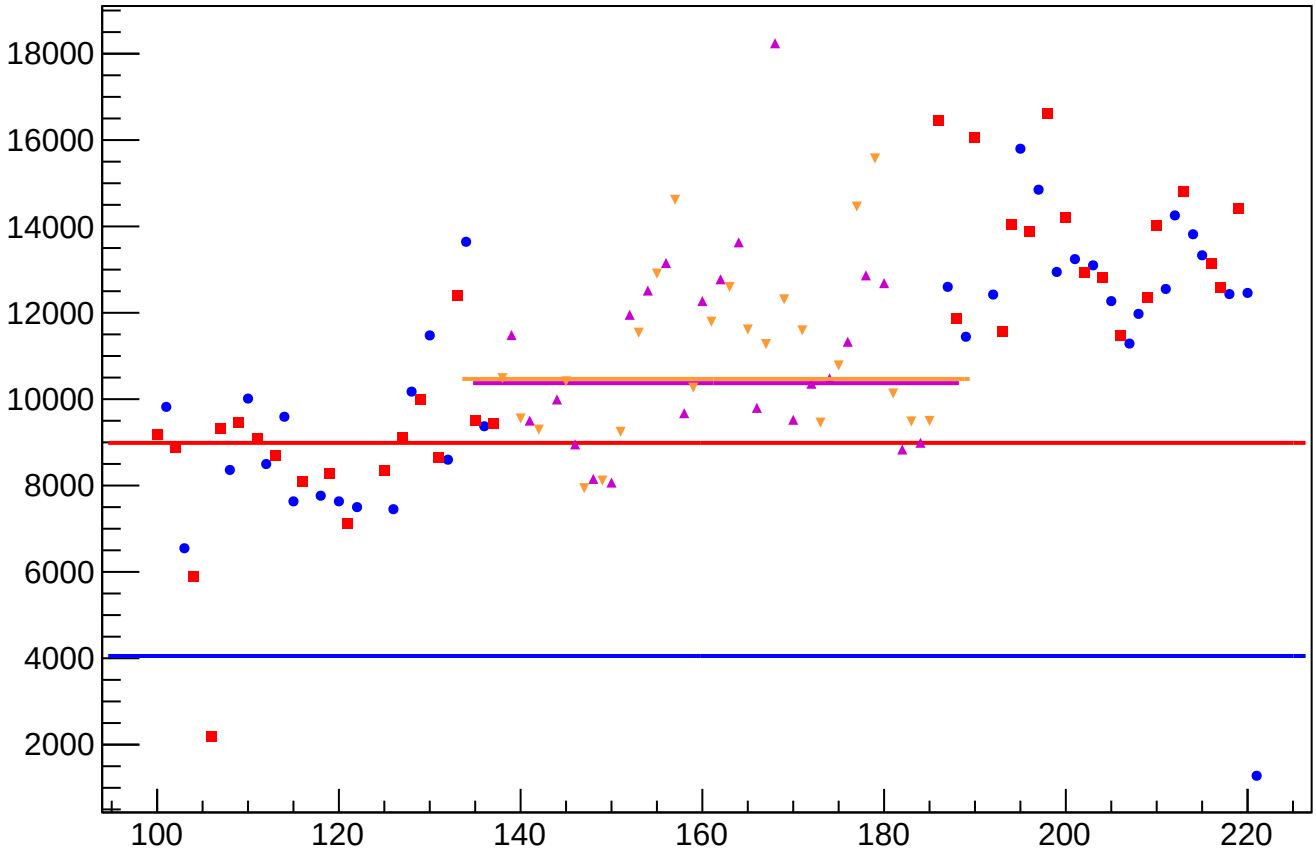
Right Out: 248.505+/-2165.905 χ^2/NDF: 43.8/34

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign 595.268+/-1147.679 χ^2/NDF: 69.0/57

All: 470.703+/-938.183 χ^2/NDF: 126.6/115

- sign 219.798+/-1628.838 χ^2/NDF: 57.5/57



Right In: 4052.846+/-0.915 χ^2/NDF: 23634767.0/33

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8987.895+/-1.532 χ^2/NDF: 7227601.6/34

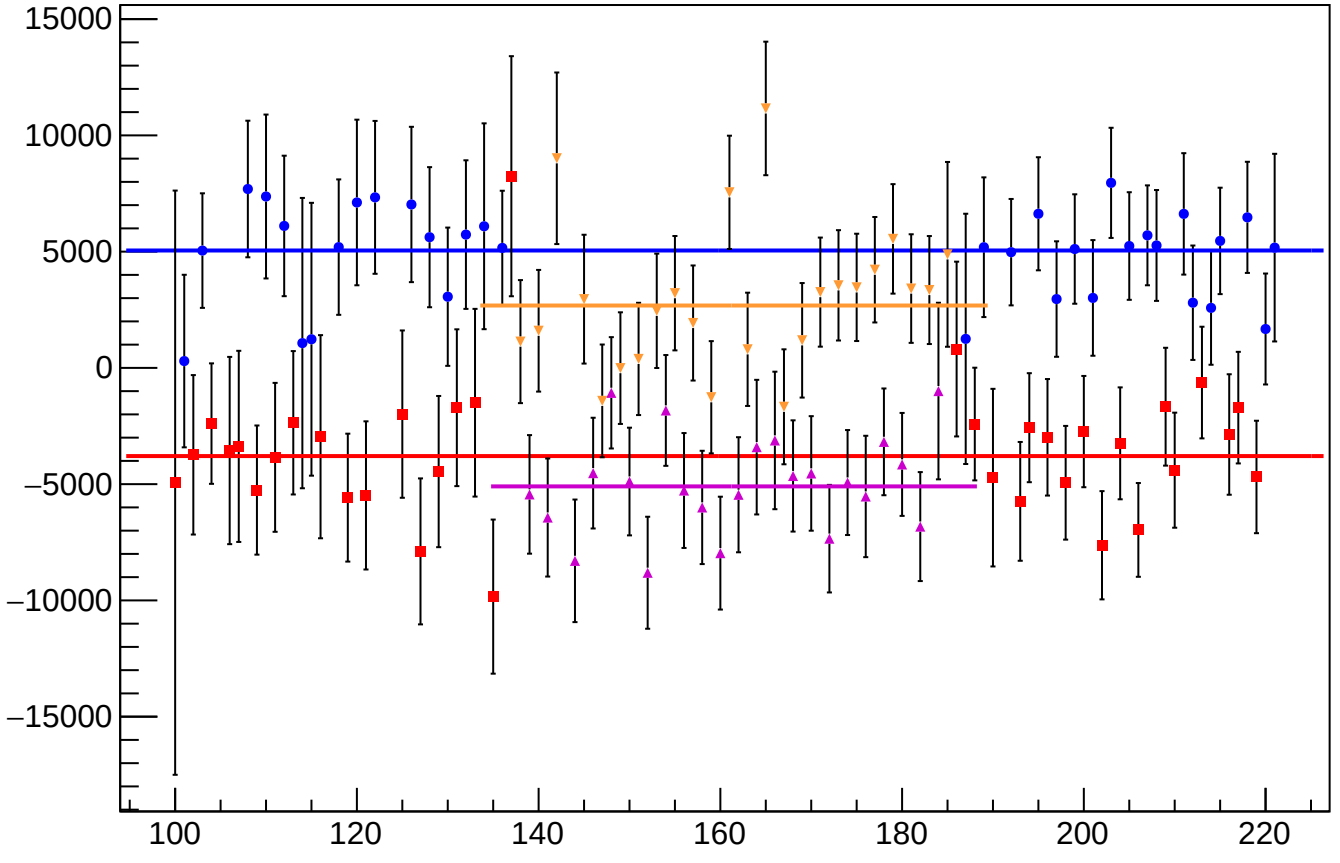
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 5425.231+/-0.812 χ^2/NDF: 35189780.7/57

All: 6806.498+/-0.663 χ^2/NDF: 52707643.2/1

- sign 9588.729+/-1.152 χ^2/NDF: 8785624.2/57

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5049.213+/-478.685 χ^2/NDF: 14.1/33

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3792.508+/-484.334 χ^2/NDF: 25.0/34

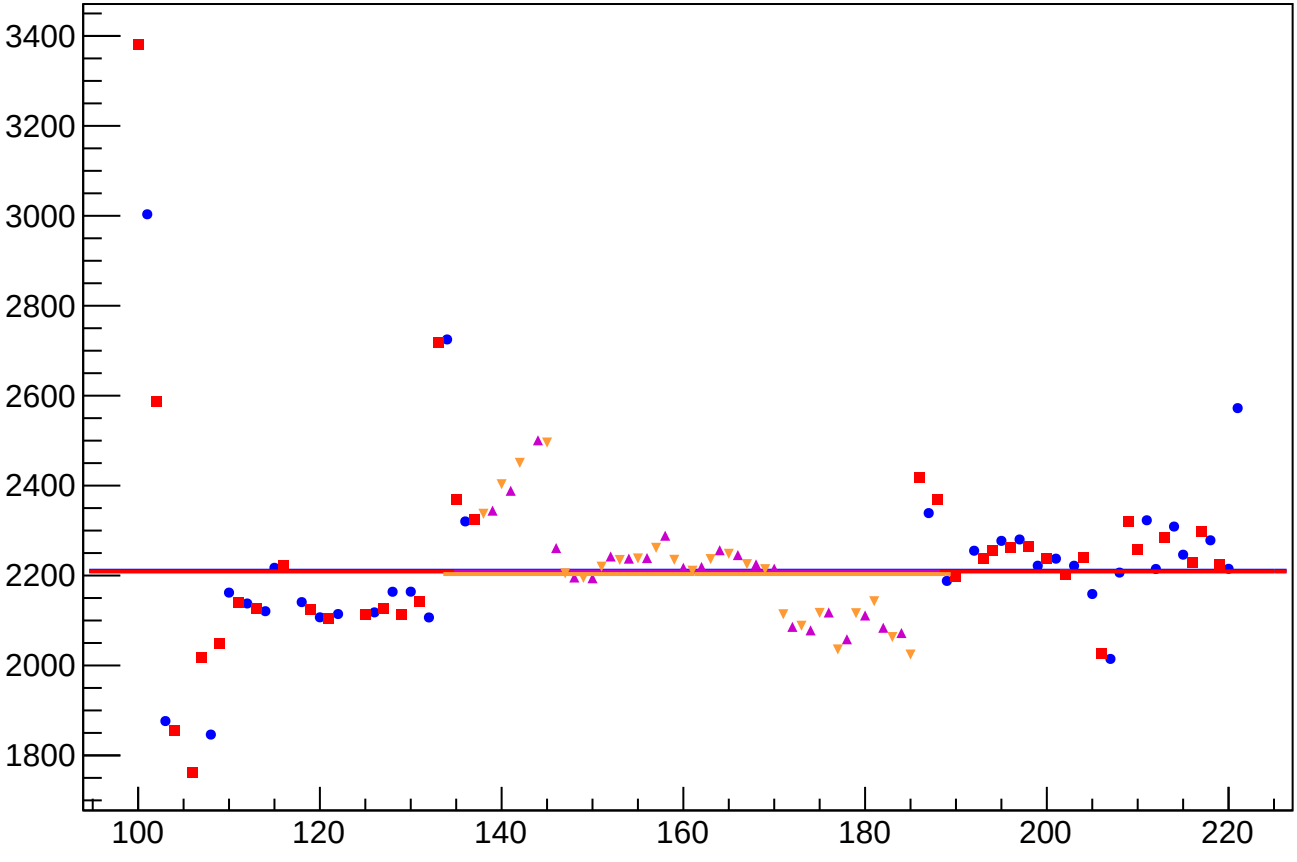
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3945.538+/-349.673 χ^2/NDF: 56.4/57

All: -186.611+/-248.499 χ^2/NDF: 381.8/115

- sign -4402.898+/-353.215 χ^2/NDF: 43.3/57

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2210.679+/-0.338 χ^2/NDF: 249137.4/33

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

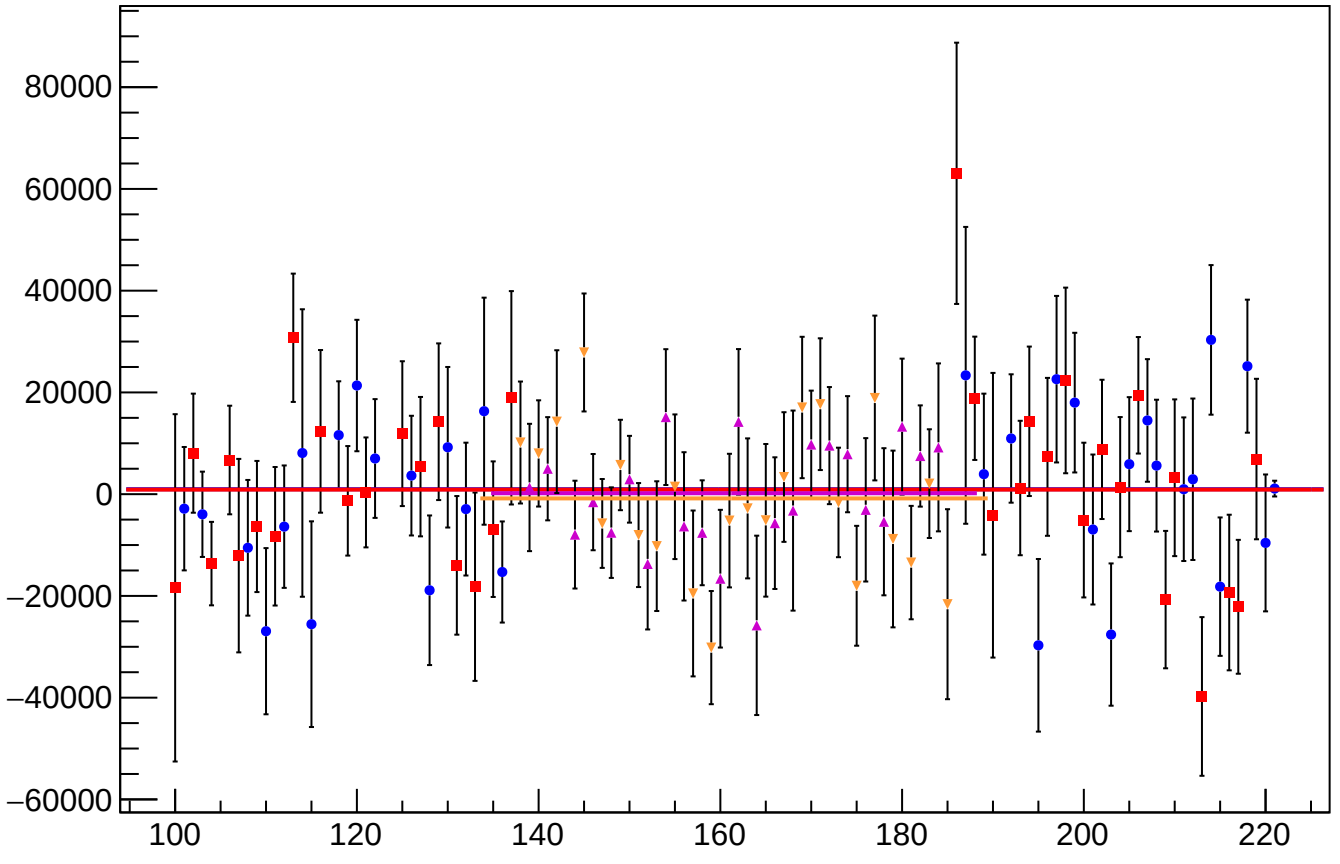
Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2207.236+/-0.247 χ^2/NDF: 337567.6/57

All: 2207.970+/-0.176 χ^2/NDF: 632426.6/115

- sign 2208.717+/-0.250 χ^2/NDF: 294841.2/57



Right In: 971.315+/-1294.870 χ^2/NDF: 39.3/33

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

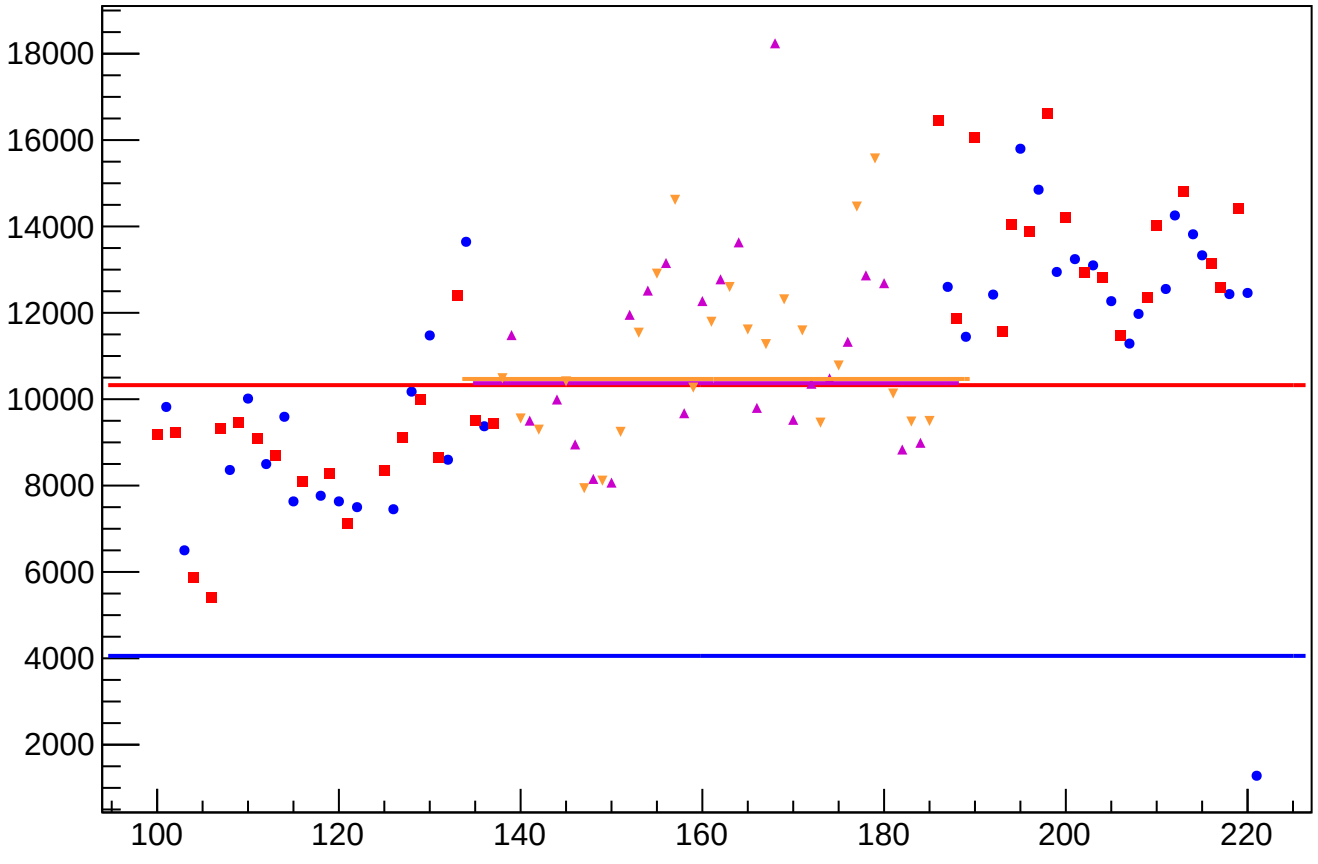
Right Out: 898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

\+ sign 585.063+/-1147.976 χ^2/NDF: 69.1/57

All: 576.852+/-951.654 χ^2/NDF: 127.2/115

\- sign 558.812+/-1701.593 χ^2/NDF: 58.1/57



Right In: 4056.426+/-0.916 χ^2/NDF: 23614865.6/33

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

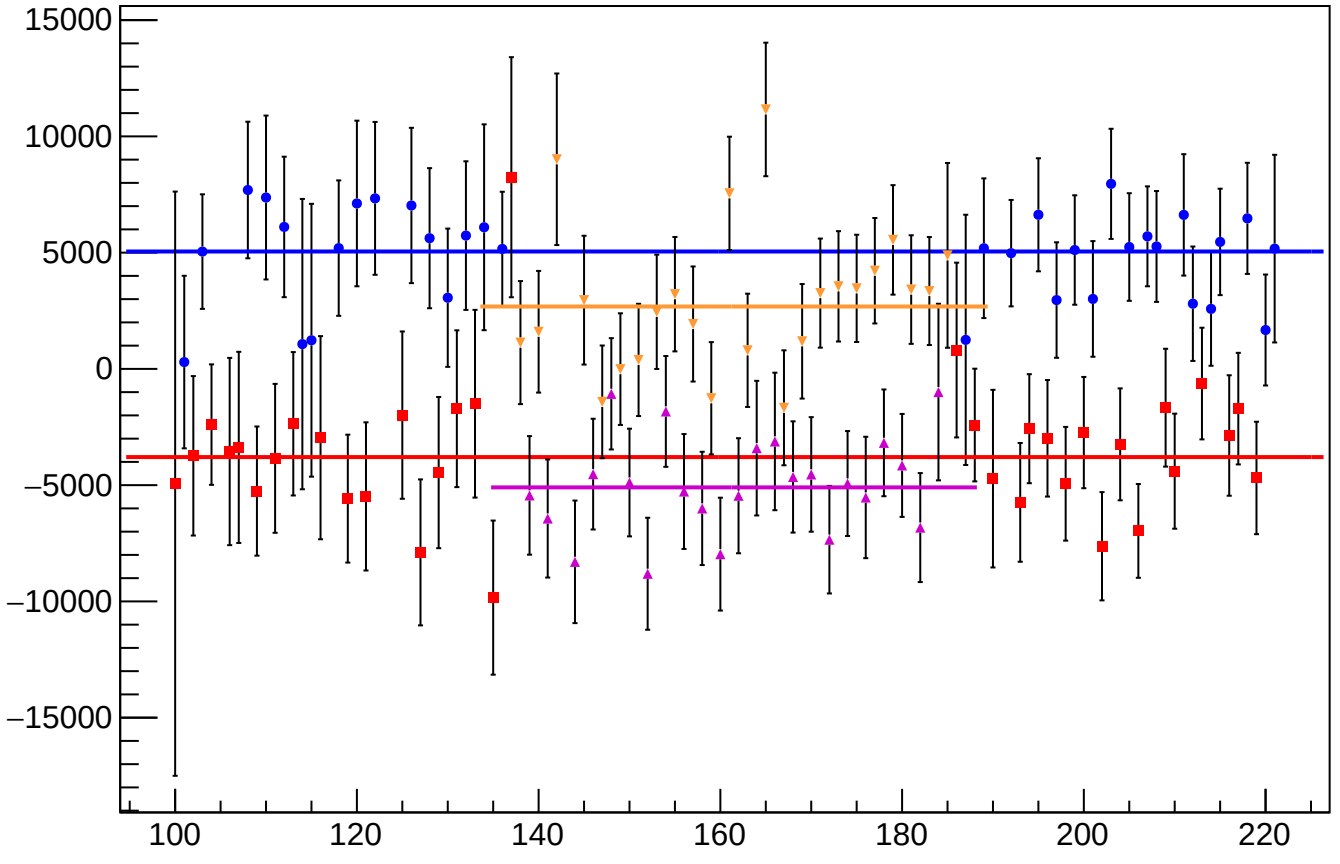
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 5428.756+/-0.812 χ^2/NDF: 35156674.1/57

All: 6967.117+/-0.673 χ^2/NDF: 50943951.3/1

- sign 10347.019+/-1.203 χ^2/NDF: 4304824.1/57

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5049.213+/-478.685 χ^2/NDF: 14.1/33

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3792.508+/-484.334 χ^2/NDF: 25.0/34

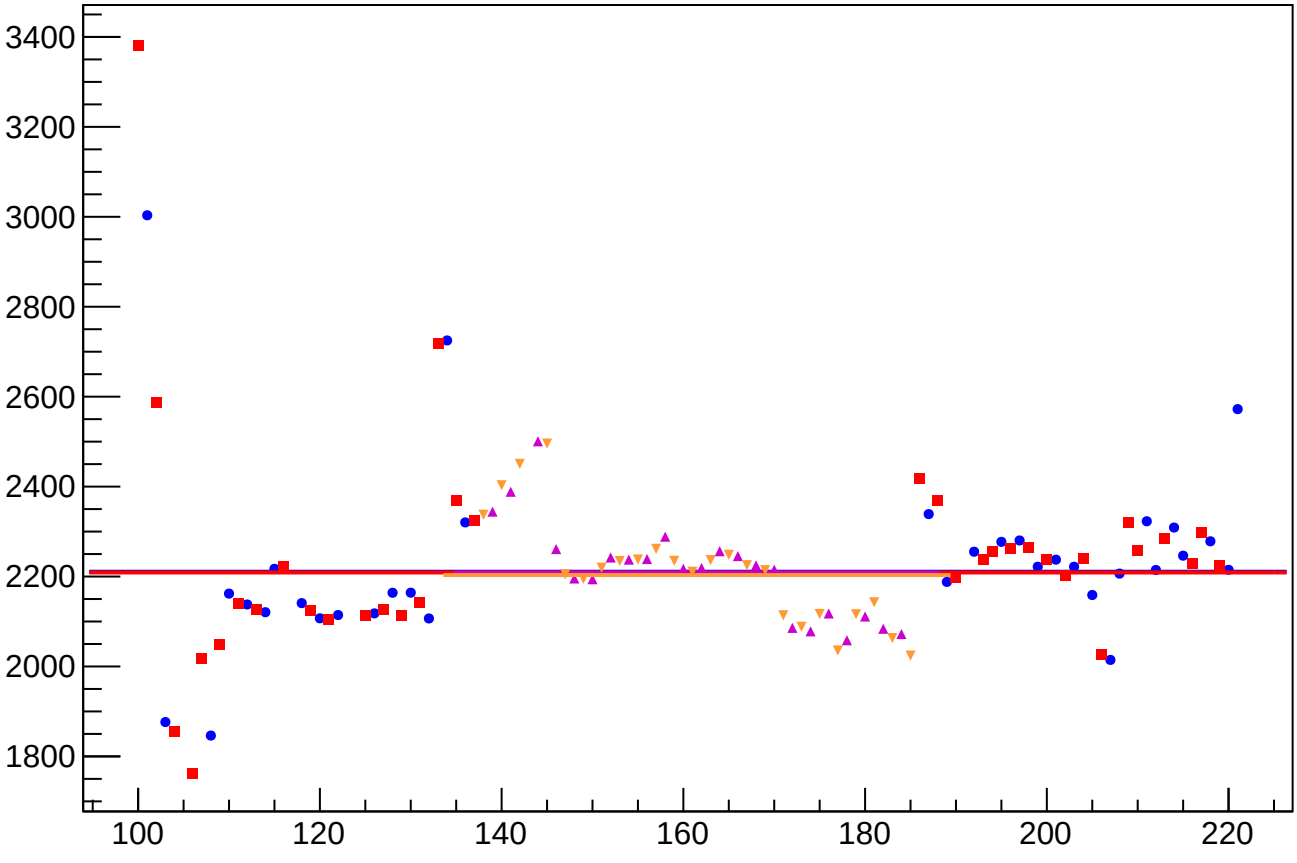
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3945.538+/-349.673 χ^2/NDF: 56.4/57

All: -186.611+/-248.499 χ^2/NDF: 381.8/115

- sign -4402.898+/-353.215 χ^2/NDF: 43.3/57

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2210.679+/-0.338 χ^2/NDF: 249137.4/33

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

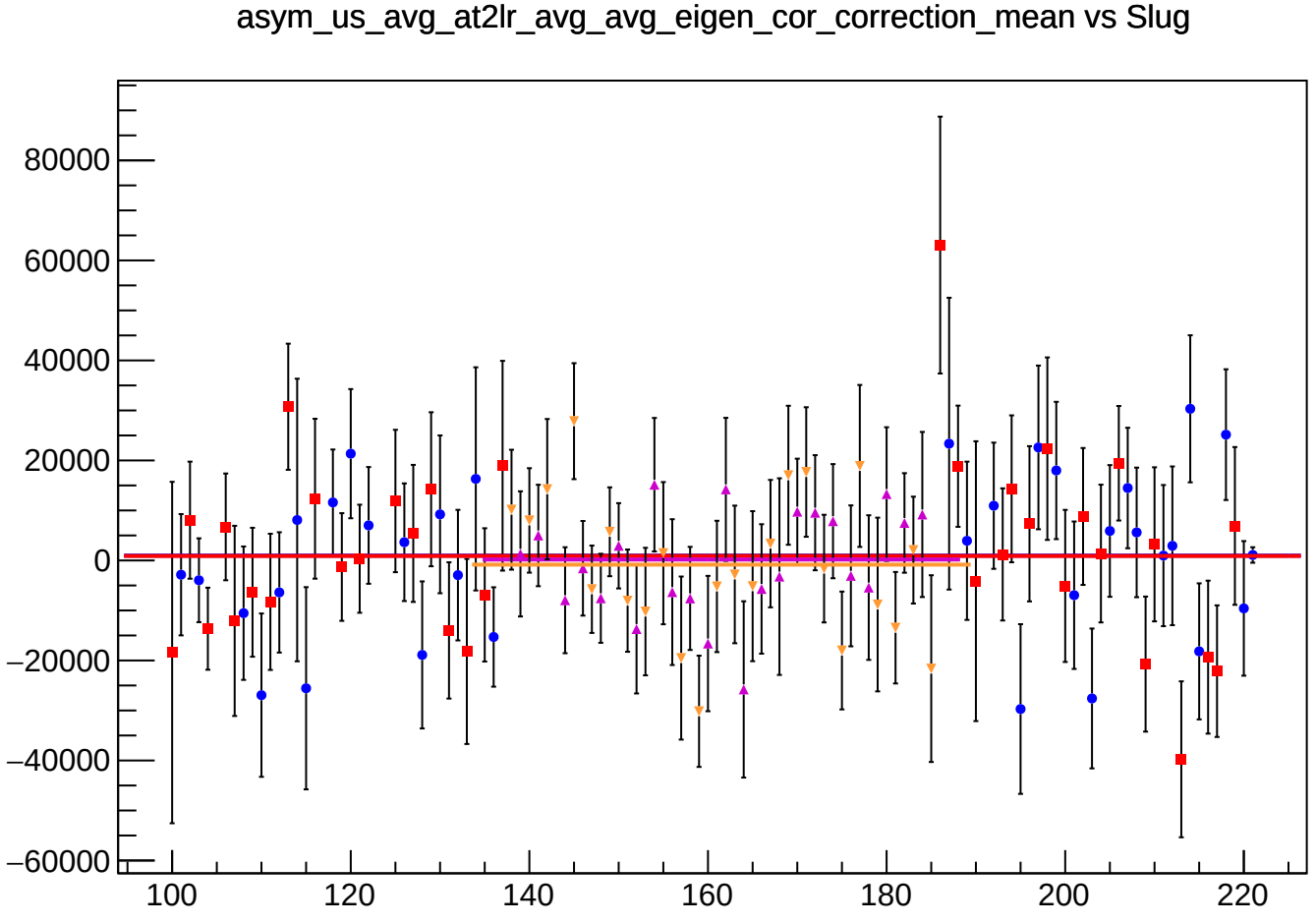
Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2207.236+/-0.247 χ^2/NDF: 337567.6/57

All: 2207.970+/-0.176 χ^2/NDF: 632426.6/115

- sign 2208.717+/-0.250 χ^2/NDF: 294841.2/57



Right In: 971.315+/-1294.870 χ^2/NDF: 39.3/33

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

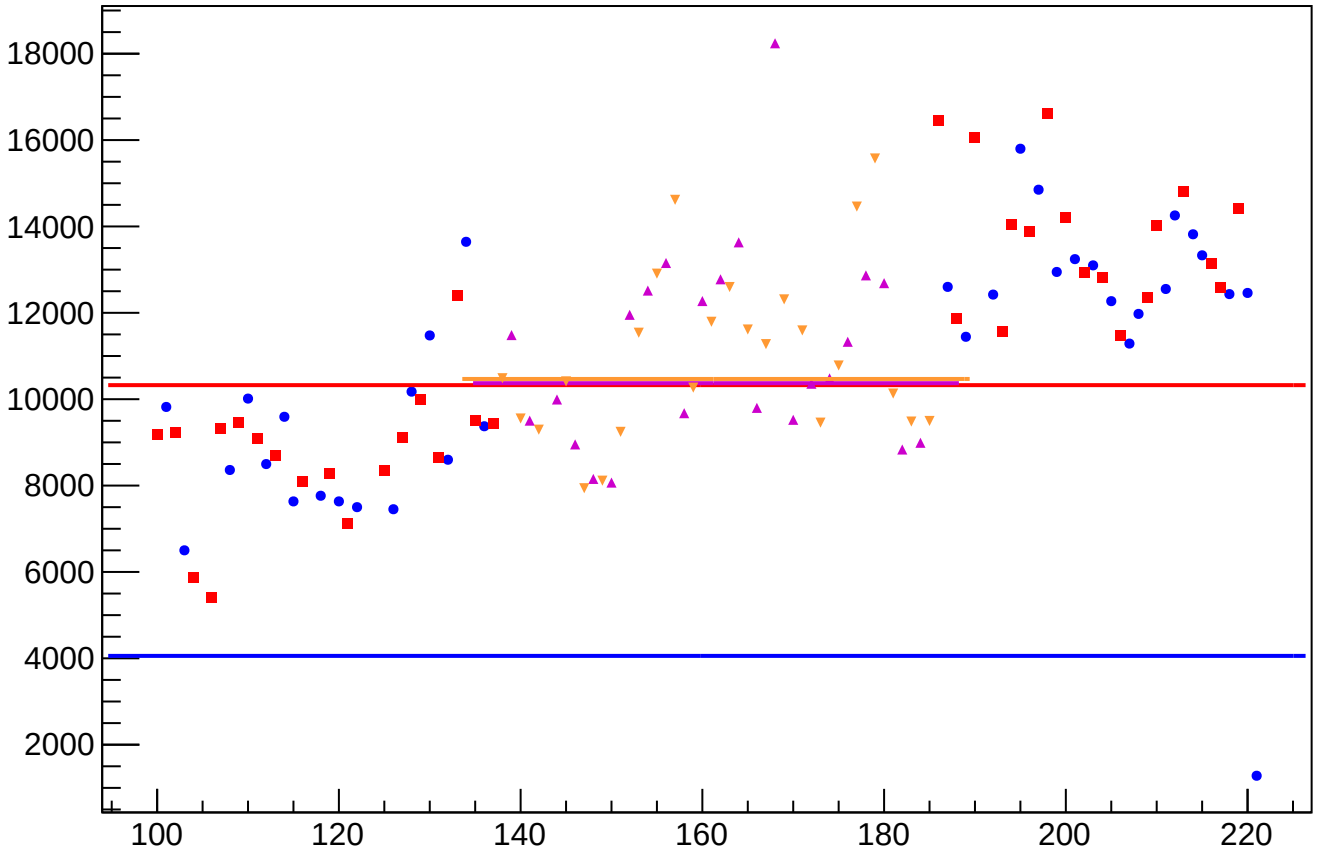
Right Out: 898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign 585.063+/-1147.976 χ^2/NDF: 69.1/57

All: 576.852+/-951.654 χ^2/NDF: 127.2/115

- sign 558.812+/-1701.593 χ^2/NDF: 58.1/57



Right In: 4056.426+/-0.916 χ^2/NDF: 23614865.6/33

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

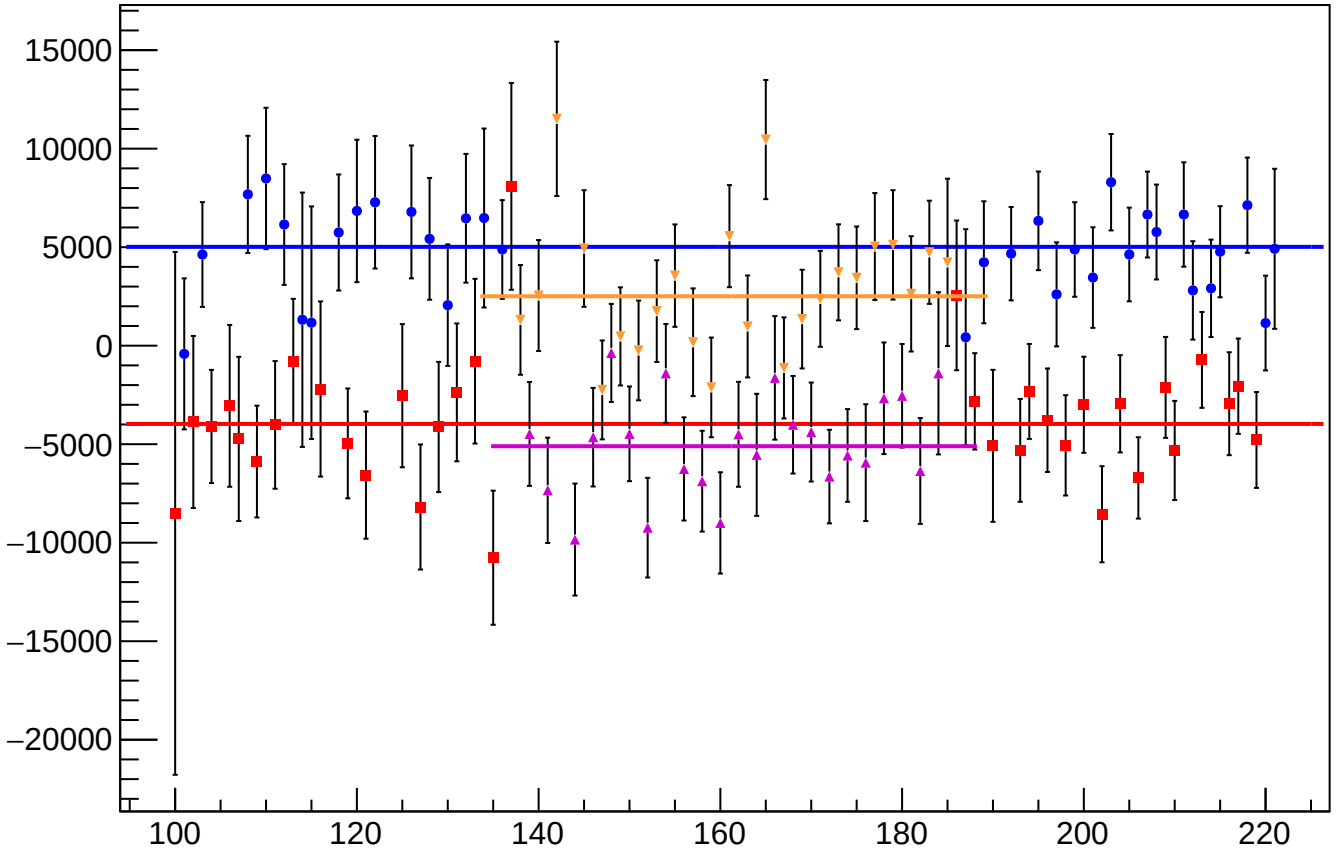
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 5428.756+/-0.812 χ^2/NDF: 35156674.1/57

All: 6967.117+/-0.673 χ^2/NDF: 50943951.3/1

- sign 10347.019+/-1.203 χ^2/NDF: 4304824.1/57

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5016.133+/-489.722 χ^2/NDF: 17.0/33

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3971.883+/-497.416 χ^2/NDF: 27.9/34

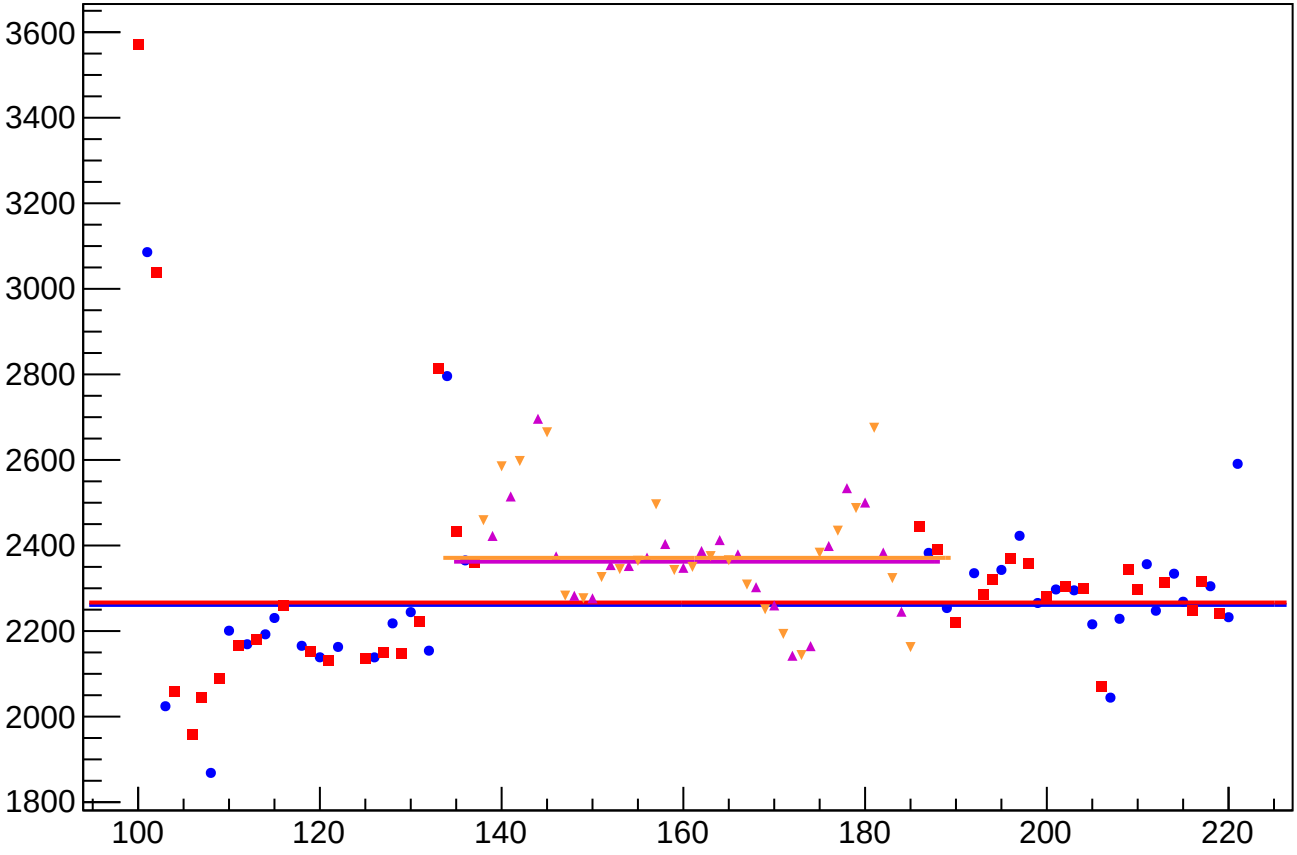
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3911.015+/-366.217 χ^2/NDF: 58.3/57

All: -243.921+/-260.176 χ^2/NDF: 368.3/115

- sign -4478.173+/-369.696 χ^2/NDF: 50.1/57

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.173+/-0.346 χ^2/NDF: 241284.1/33

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

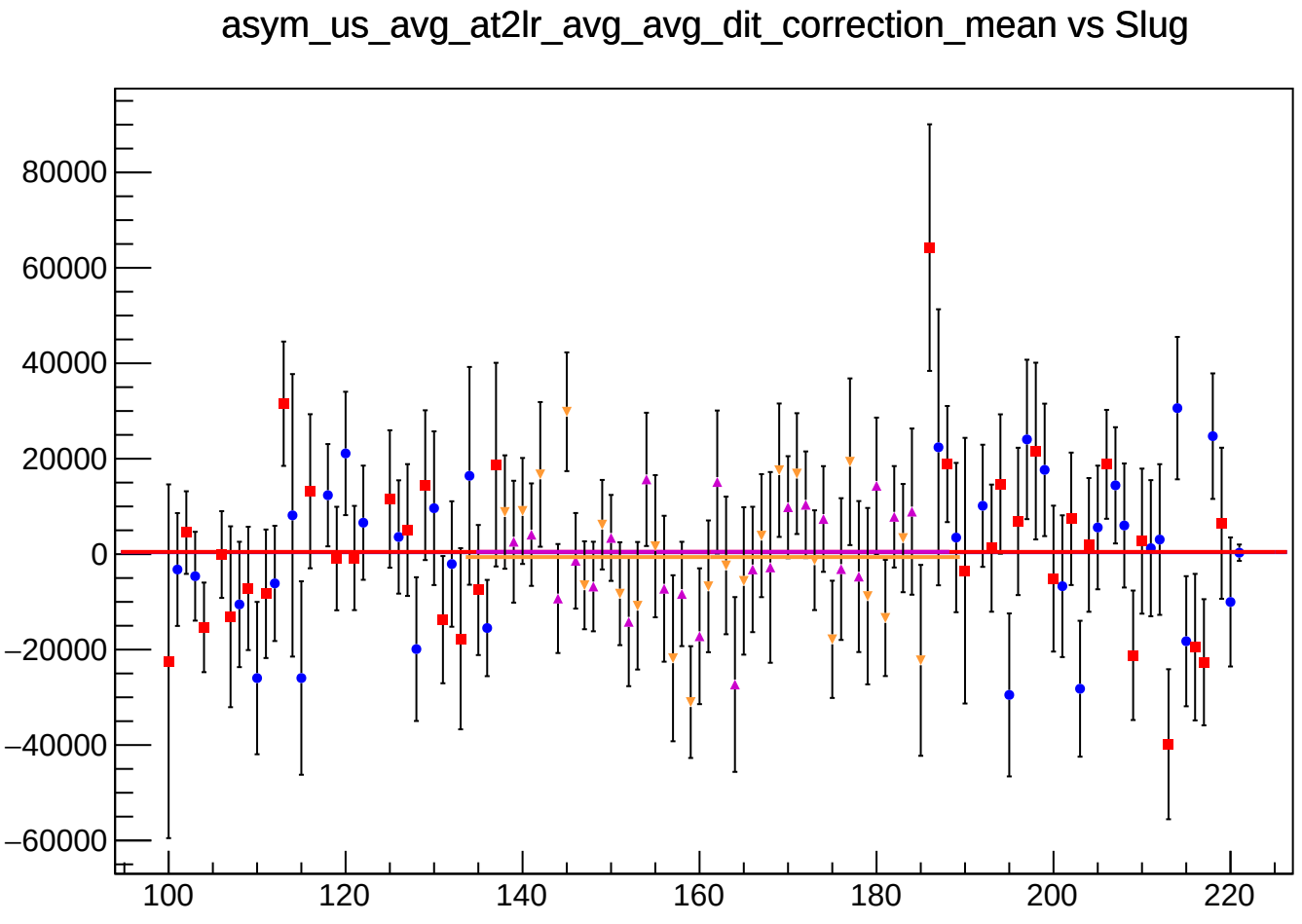
Right Out: 2266.702+/-0.352 χ^2/NDF: 215424.4/34

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2309.644+/-0.259 χ^2/NDF: 402028.7/57

All: 2309.545+/-0.184 χ^2/NDF: 742366.2/115

- sign 2309.445+/-0.261 χ^2/NDF: 340337.3/57



Right In: 413.287+/-1395.007 χ^2/NDF: 38.9/33

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

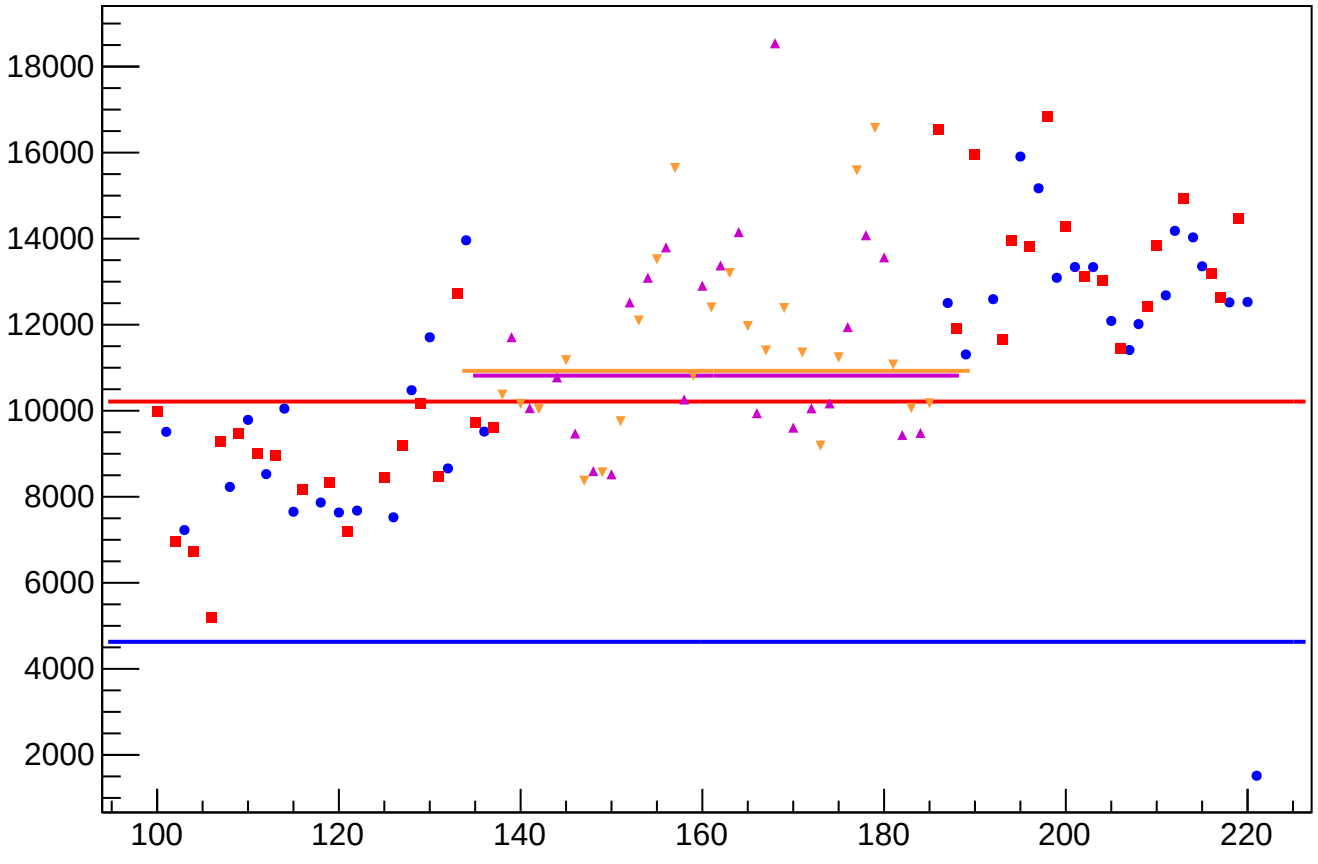
Right Out: 474.121+/-2321.630 χ^2/NDF: 43.5/34

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign 183.557+/-1228.177 χ^2/NDF: 67.9/57

All: 283.706+/-1000.484 χ^2/NDF: 125.0/115

- sign 481.254+/-1724.942 χ^2/NDF: 57.1/57



Right In: 4628.932+/-0.986 χ^2/NDF: 21410167.5/33

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

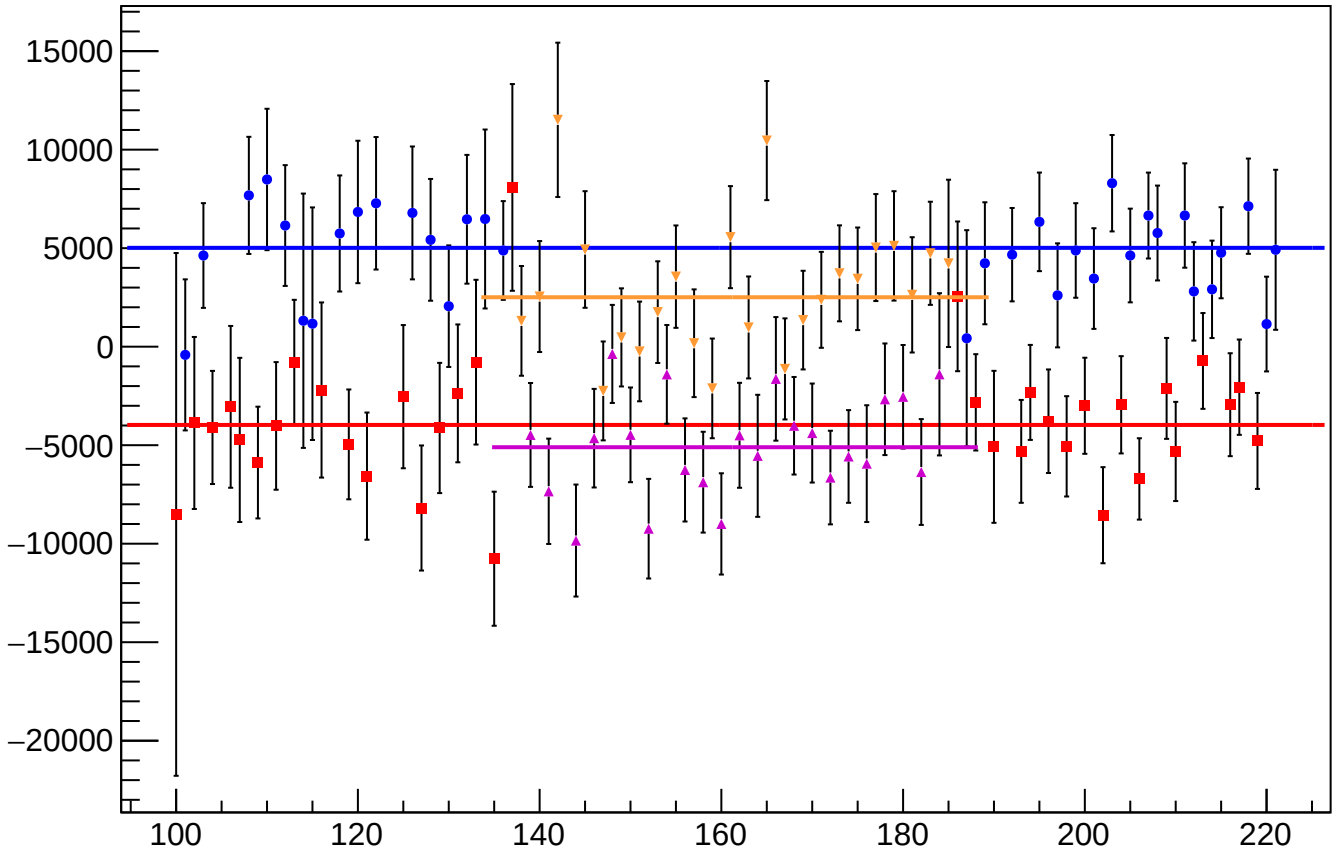
Right Out: 10213.473+/-1.642 χ^2/NDF: 3308893.0/34

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 6045.206+/-0.868 χ^2/NDF: 31634393.5/57

All: 7538.312+/-0.707 χ^2/NDF: 44987044.7/1

- sign 10483.530+/-1.220 χ^2/NDF: 4566123.7/57



Right In: 5016.126+/-489.721 χ^2/NDF: 17.0/33

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3971.882+/-497.416 χ^2/NDF: 27.9/34

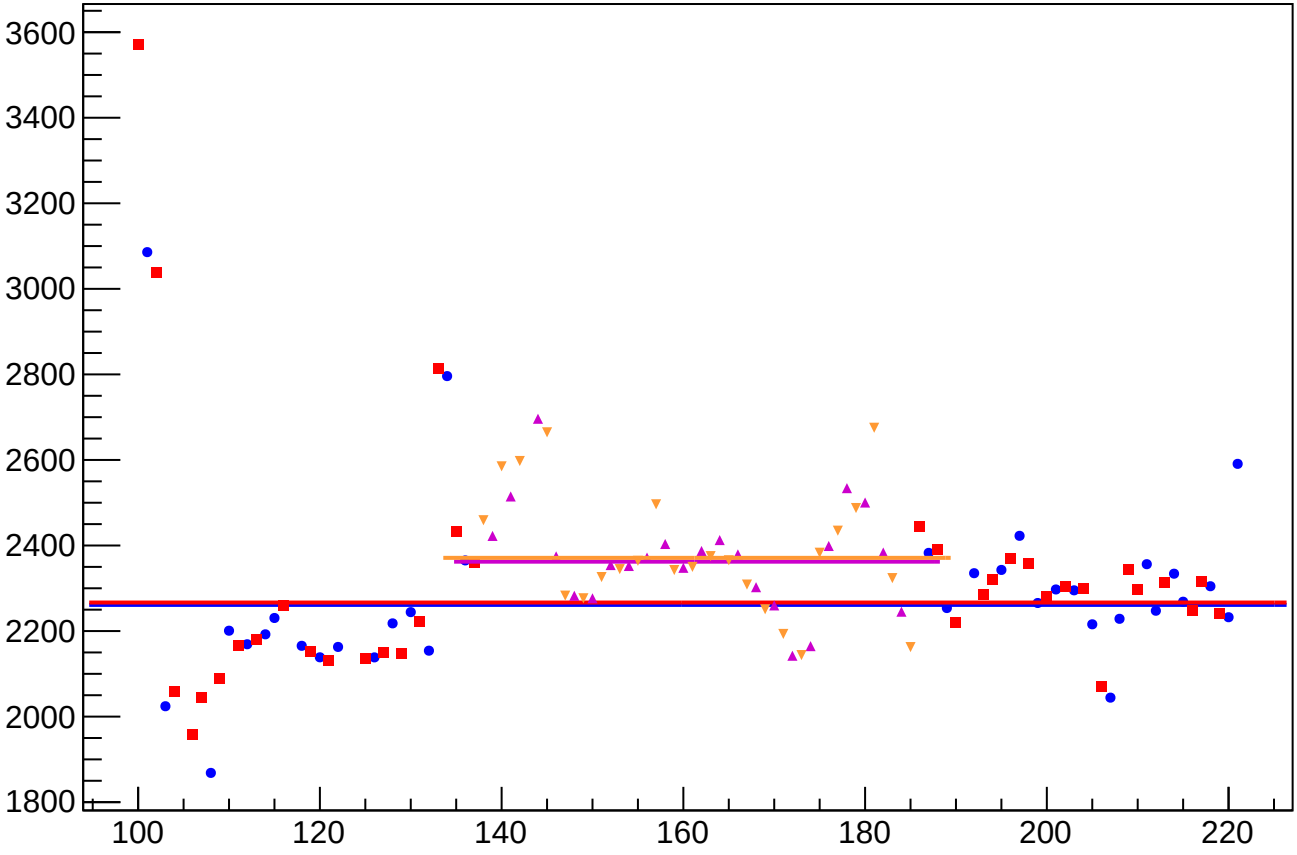
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3911.007+/-366.217 χ^2/NDF: 58.3/57

All: -243.924+/-260.176 χ^2/NDF: 368.3/115

- sign -4478.173+/-369.696 χ^2/NDF: 50.1/57

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2261.173+/-0.346 χ^2/NDF: 241284.5/33

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

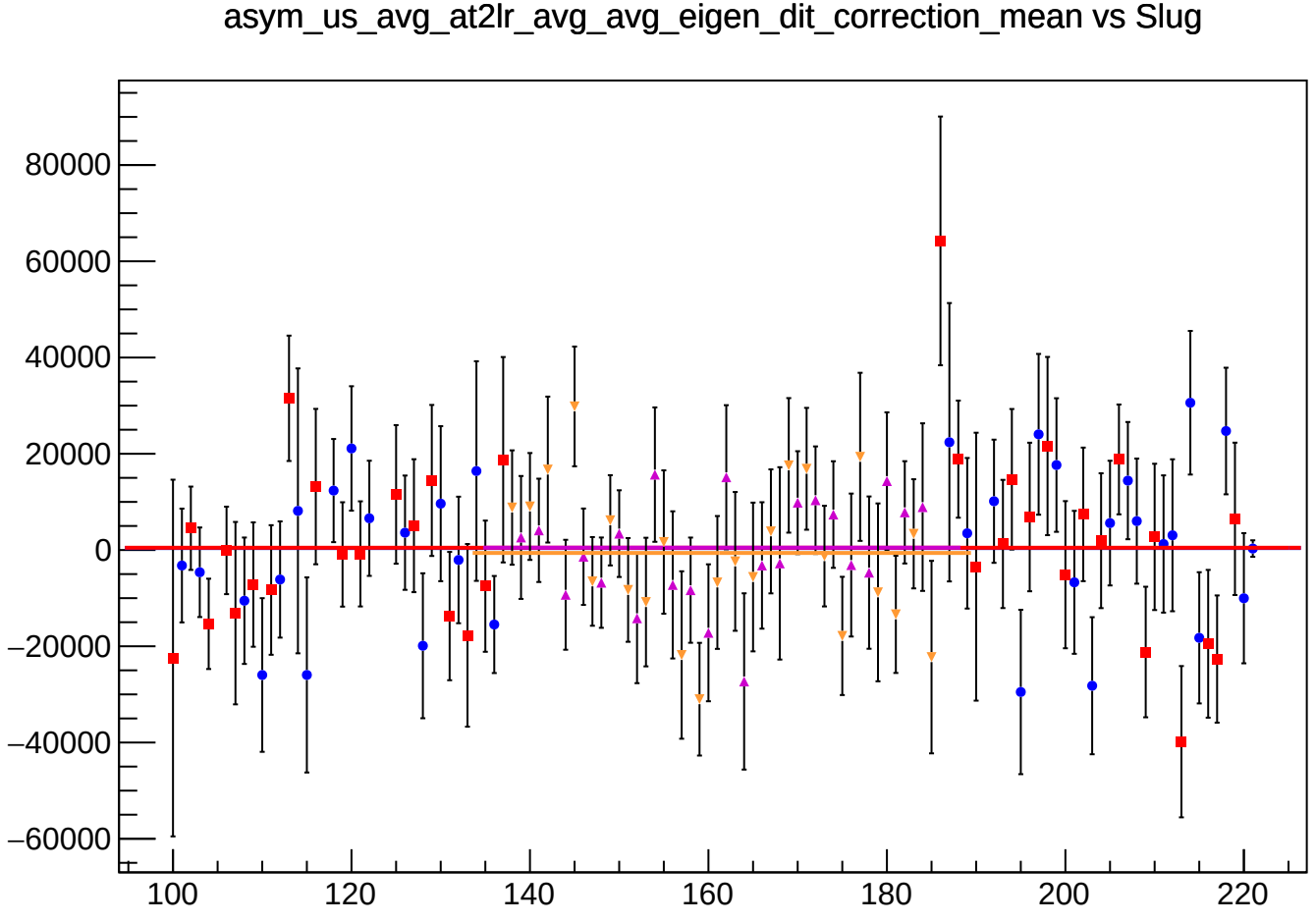
Right Out: 2266.701+/-0.352 χ^2/NDF: 215424.9/34

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2309.645+/-0.259 χ^2/NDF: 402036.1/57

All: 2309.547+/-0.184 χ^2/NDF: 742381.0/115

- sign 2309.446+/-0.261 χ^2/NDF: 340344.6/57



Right In: 413.283+/-1395.006 χ^2/NDF: 38.9/33

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

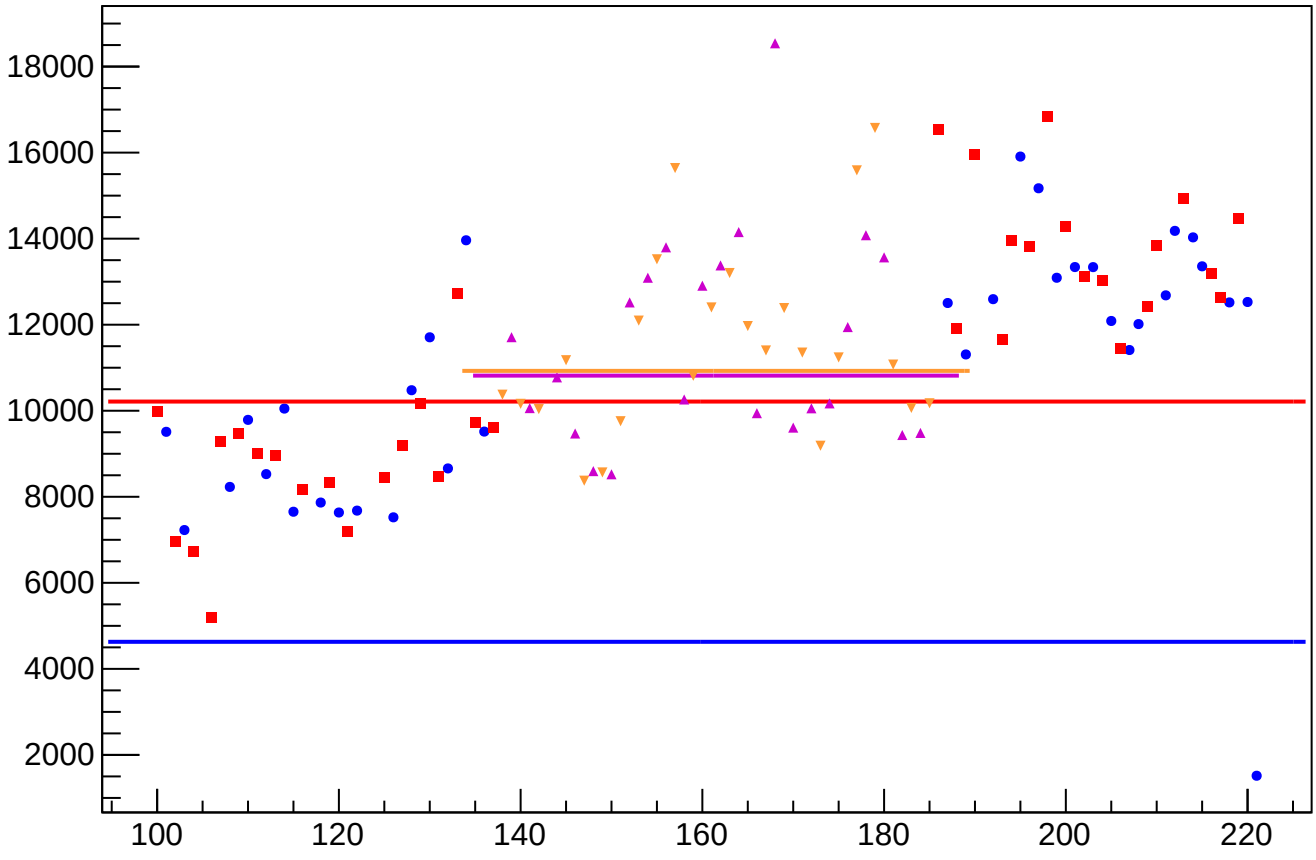
Right Out: 474.112+/-2321.628 χ^2/NDF: 43.5/34

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign 183.553+/-1228.177 χ^2/NDF: 67.9/57

All: 283.702+/-1000.484 χ^2/NDF: 125.0/115

- sign 481.250+/-1724.943 χ^2/NDF: 57.1/57



Right In: 4628.926+/-0.986 χ^2/NDF: 21410191.6/33

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10213.461+/-1.642 χ^2/NDF: 3308924.0/34

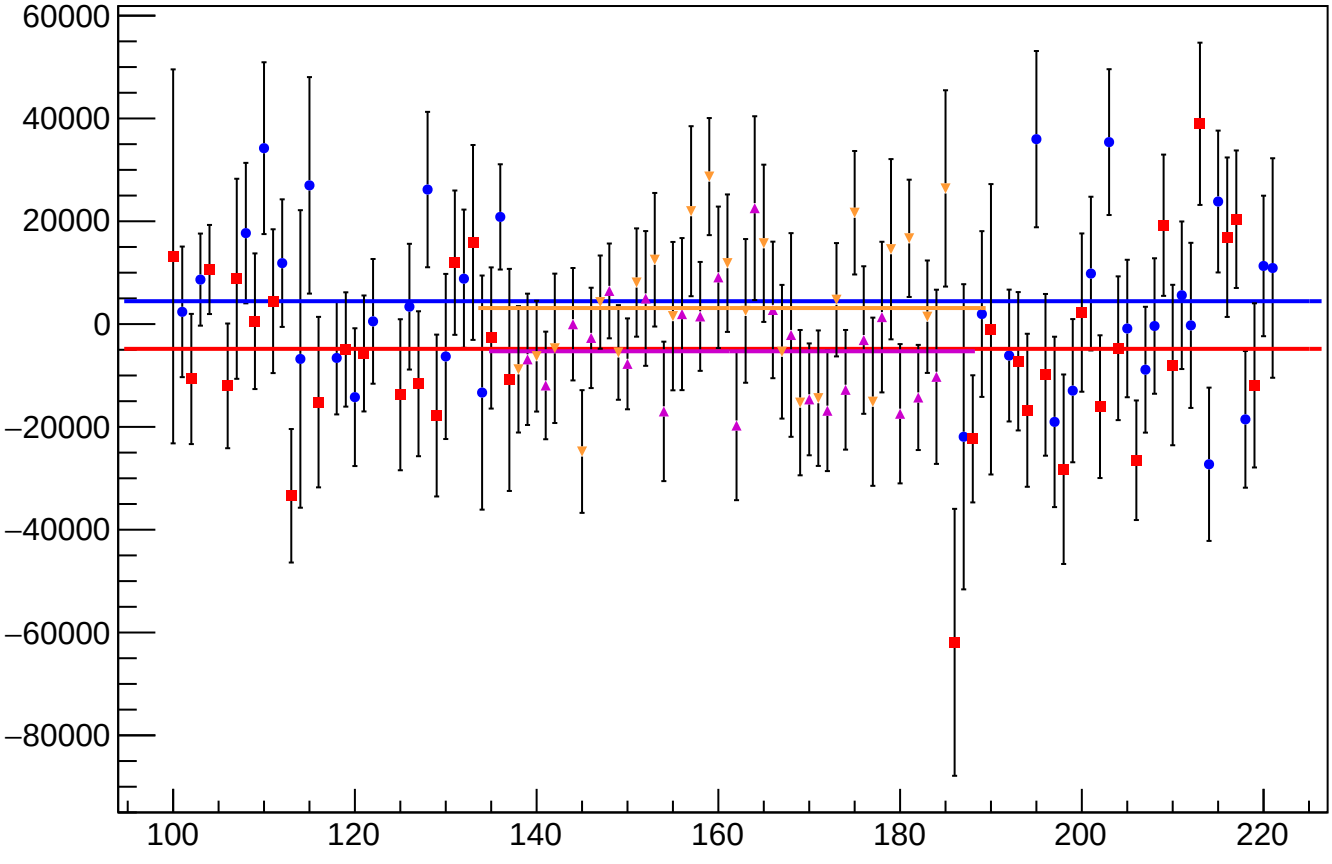
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 6045.200+/-0.868 χ^2/NDF: 31634468.7/57

All: 7538.307+/-0.707 χ^2/NDF: 44987182.3/1

- sign 10483.530+/-1.220 χ^2/NDF: 4566163.9/57

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4451.983+/-2407.360 χ^2/NDF: 39.6/33

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -4817.878+/-2422.519 χ^2/NDF: 44.4/34

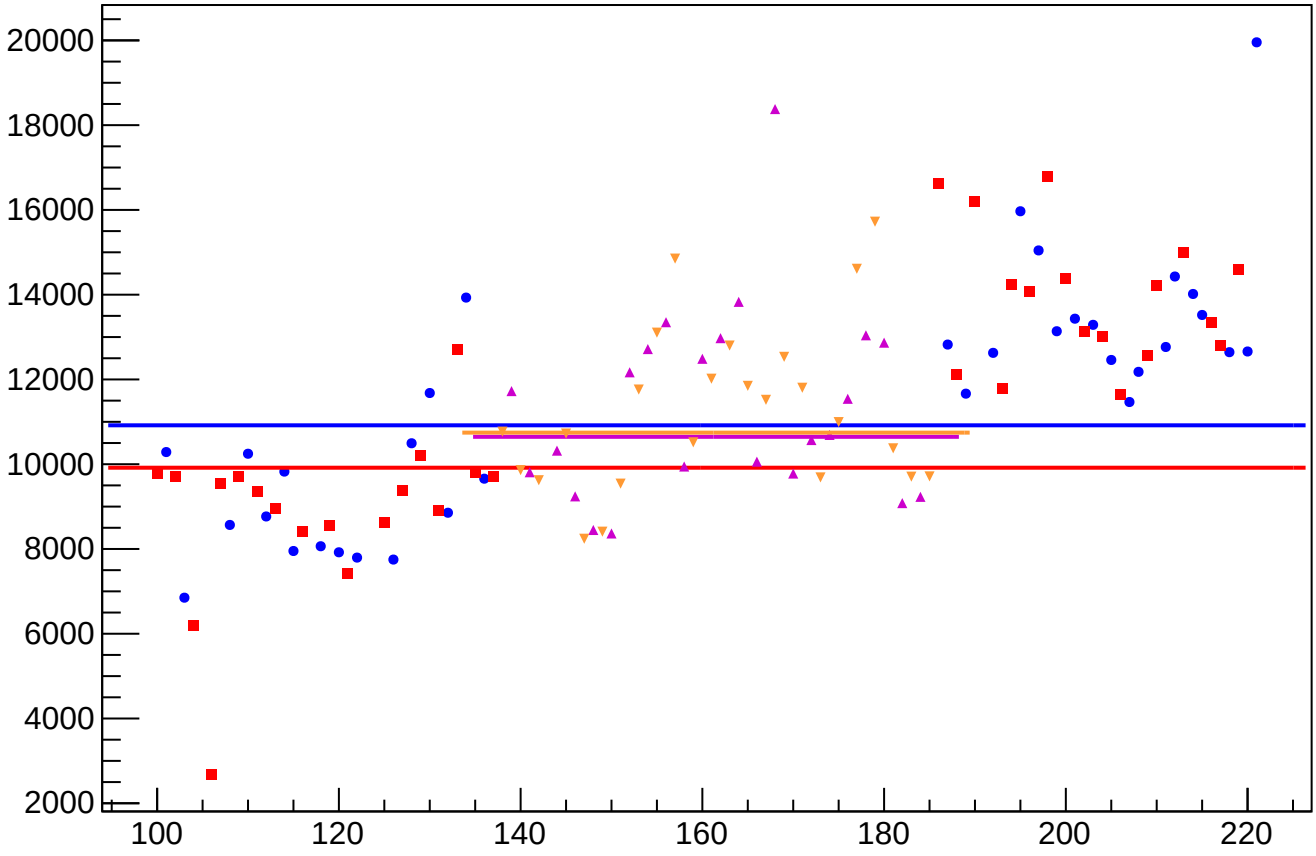
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 3822.026+/-1748.199 χ^2/NDF: 67.2/57

All: -604.448+/-1237.058 χ^2/NDF: 137.8/115

- sign -5043.762+/-1750.733 χ^2/NDF: 57.8/57

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10917.841+/-1.702 χ^2/NDF: 2471003.4/33

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

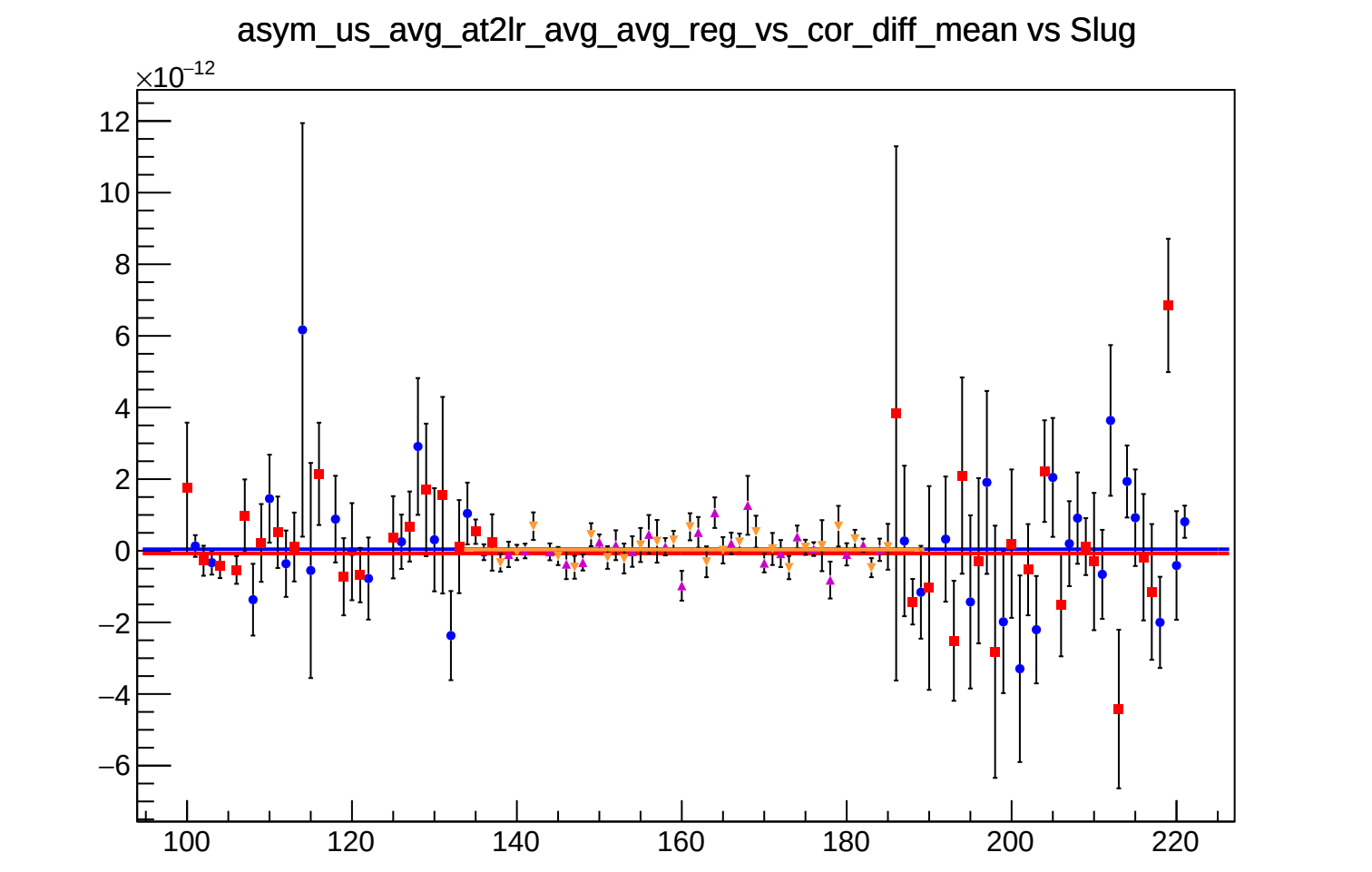
Right Out: 9917.408+/-1.641 χ^2/NDF: 5049657.8/34

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10836.305+/-1.236 χ^2/NDF: 3440475.8/57

All: 10536.933+/-0.865 χ^2/NDF: 9809116.0/1

- sign 10250.119+/-1.210 χ^2/NDF: 6253799.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

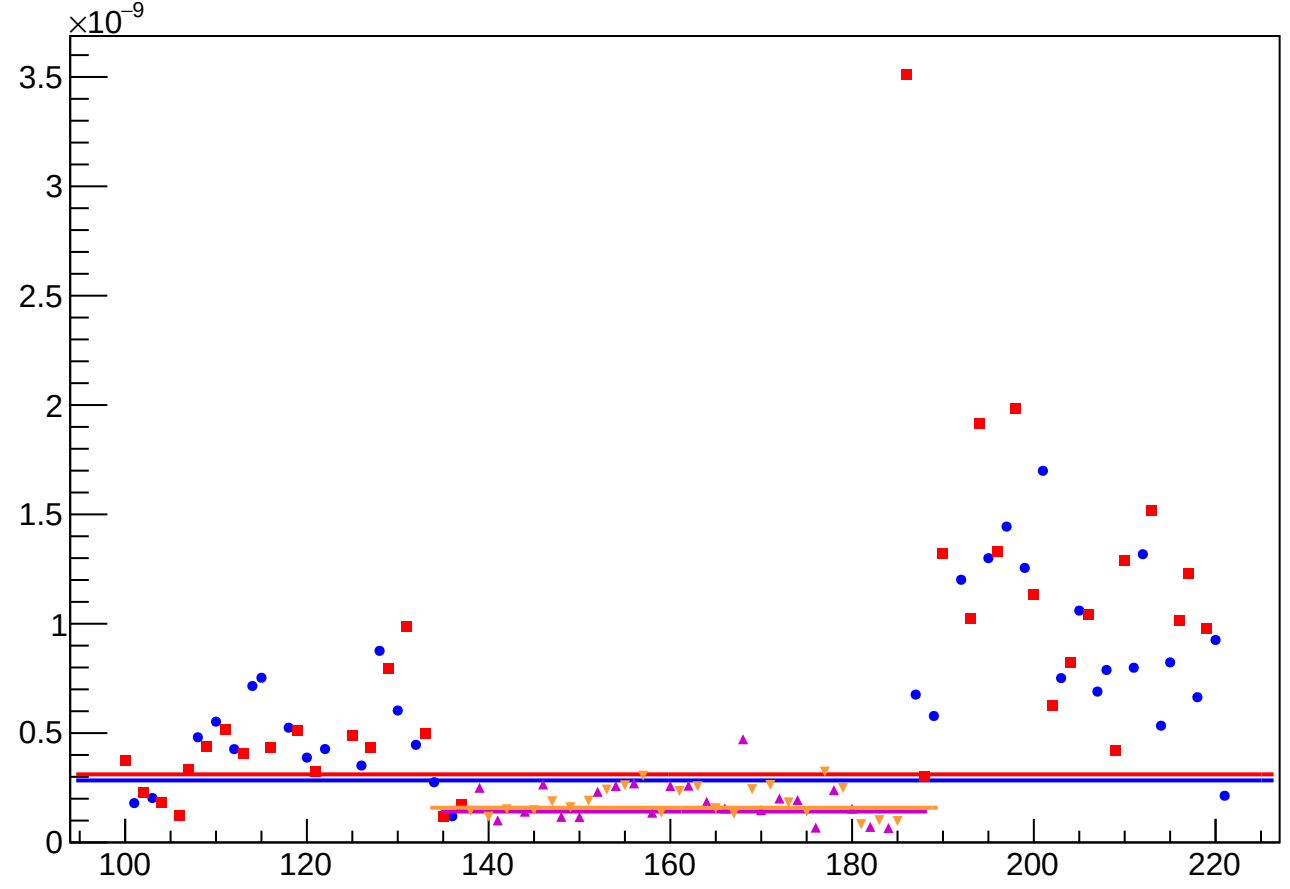
Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/34

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.3/57

All: 0.000+/-0.000 χ^2/NDF: 134.8/115

- sign 0.000+/-0.000 χ^2/NDF: 72.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 7788829.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

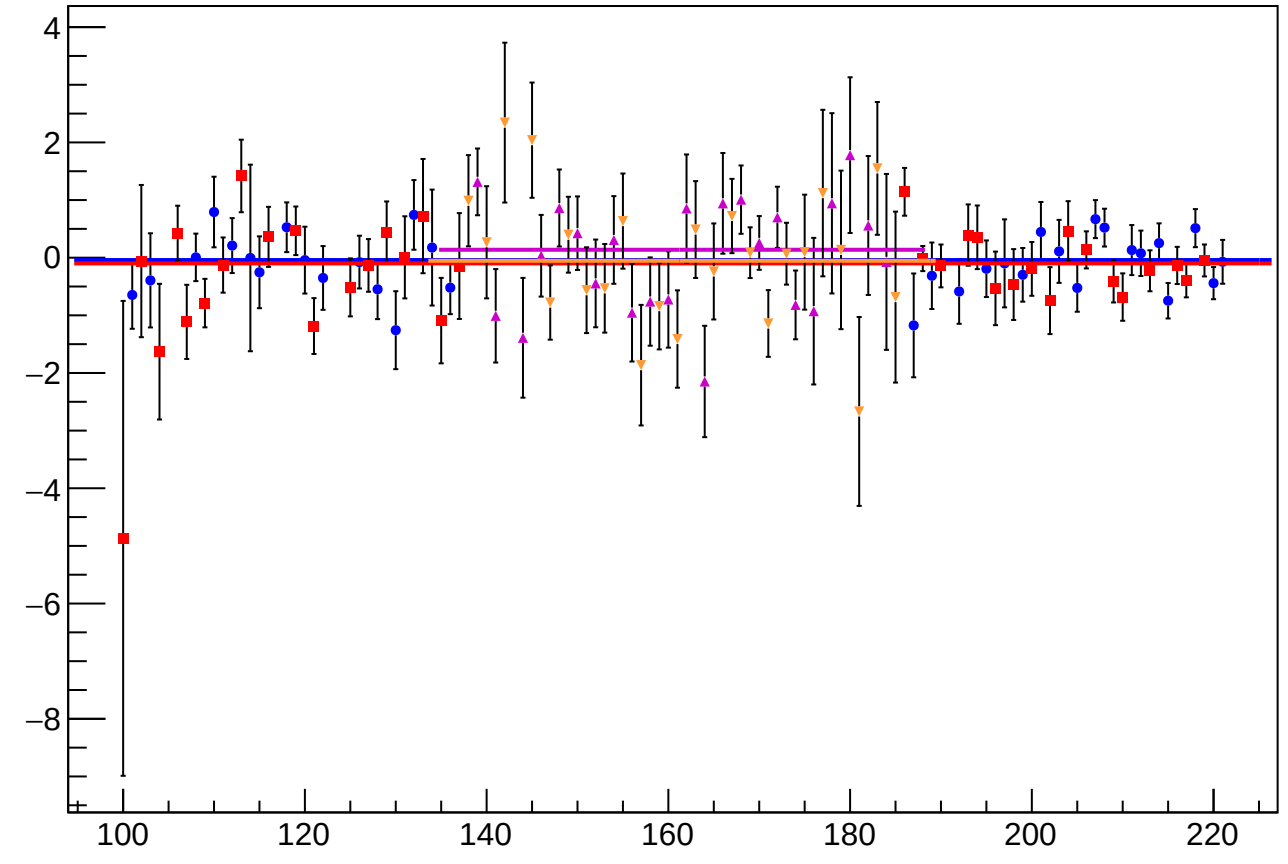
Right Out: 0.000+/-0.000 χ^2/NDF: 8026342.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10614199.6/57

All: 0.000+/-0.000 χ^2/NDF: 23532237.7/115

- sign 0.000+/-0.000 χ^2/NDF: 12820479.8/57



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

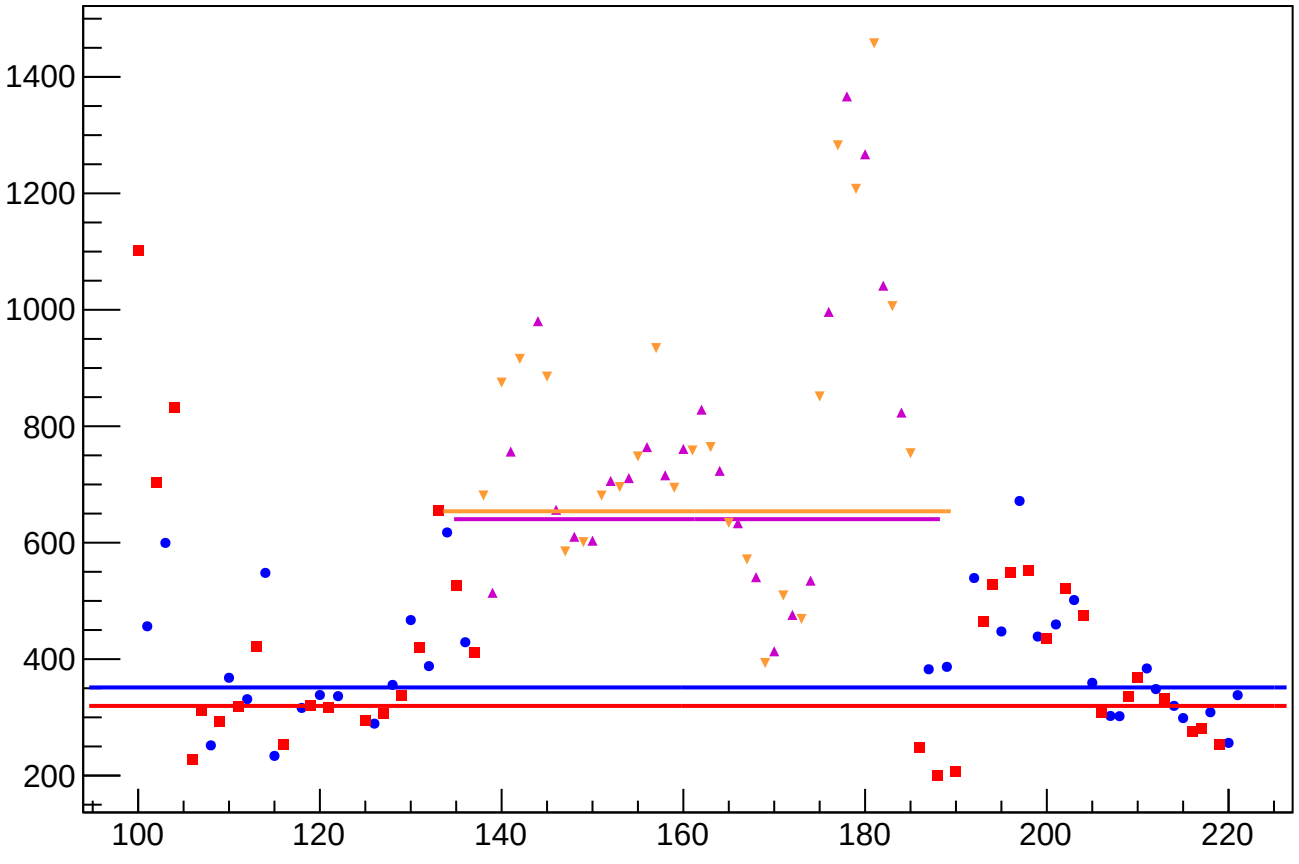
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

\+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.049+/-0.049 χ^2/NDF: 144.1/115

\- sign -0.055+/-0.068 χ^2/NDF: 77.2/57



Right In: 351.382+/-0.056 χ^2/NDF: 2204831.7/33

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

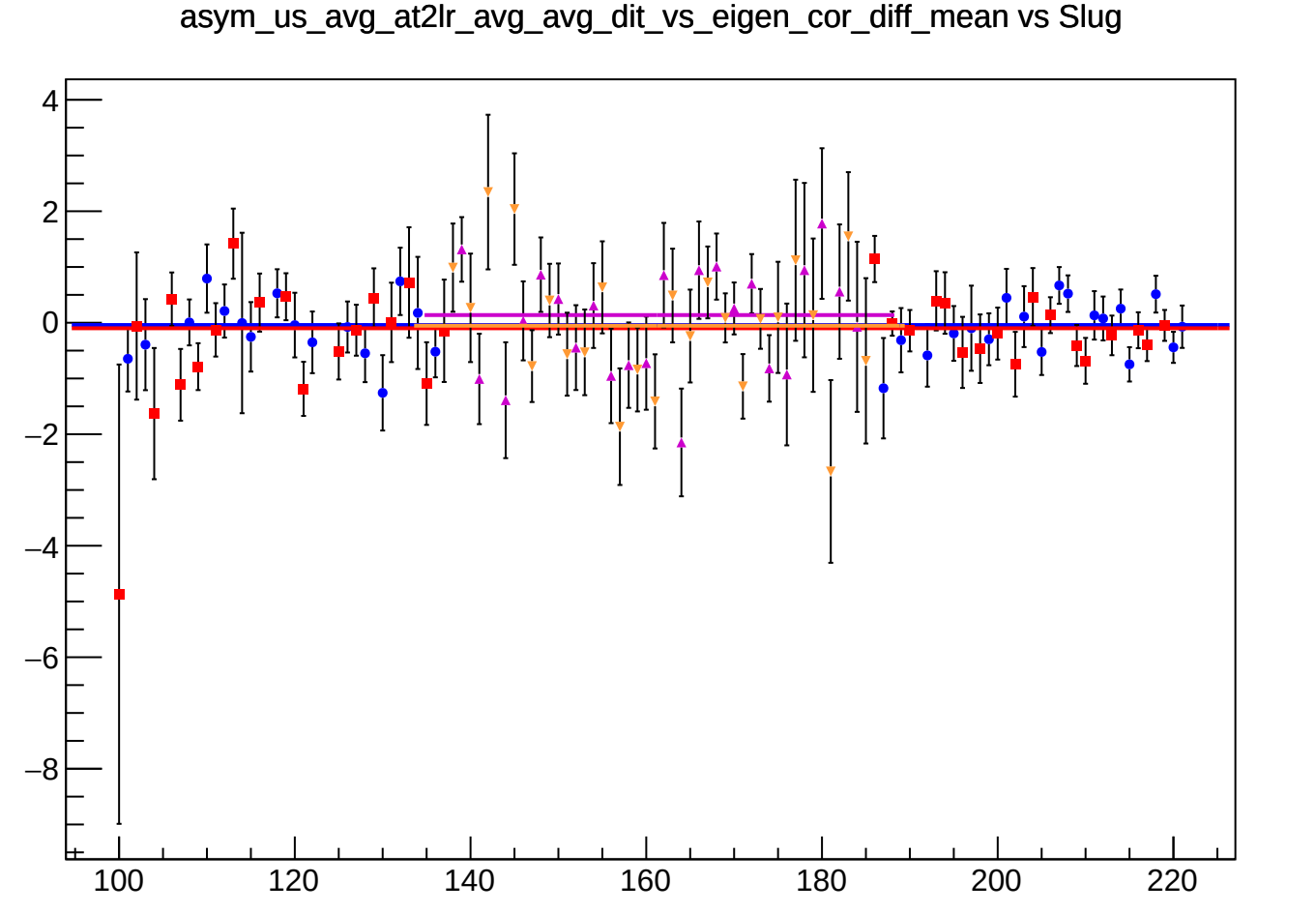
Right Out: 319.631+/-0.053 χ^2/NDF: 3836102.3/34

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 409.922+/-0.050 χ^2/NDF: 11002343.0/57

All: 394.126+/-0.035 χ^2/NDF: 24392208.4/11

- sign 379.528+/-0.048 χ^2/NDF: 13199187.5/57



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

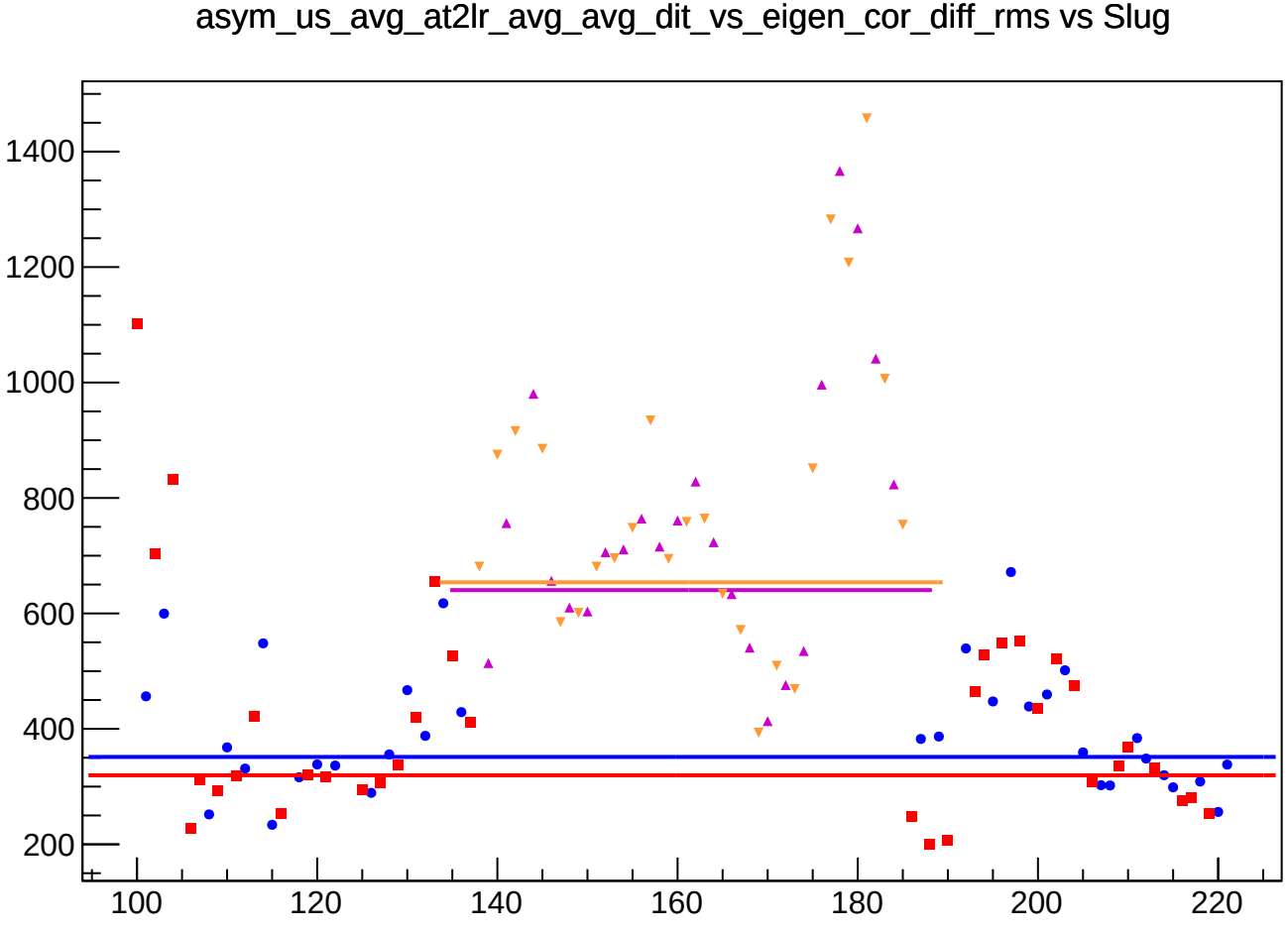
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

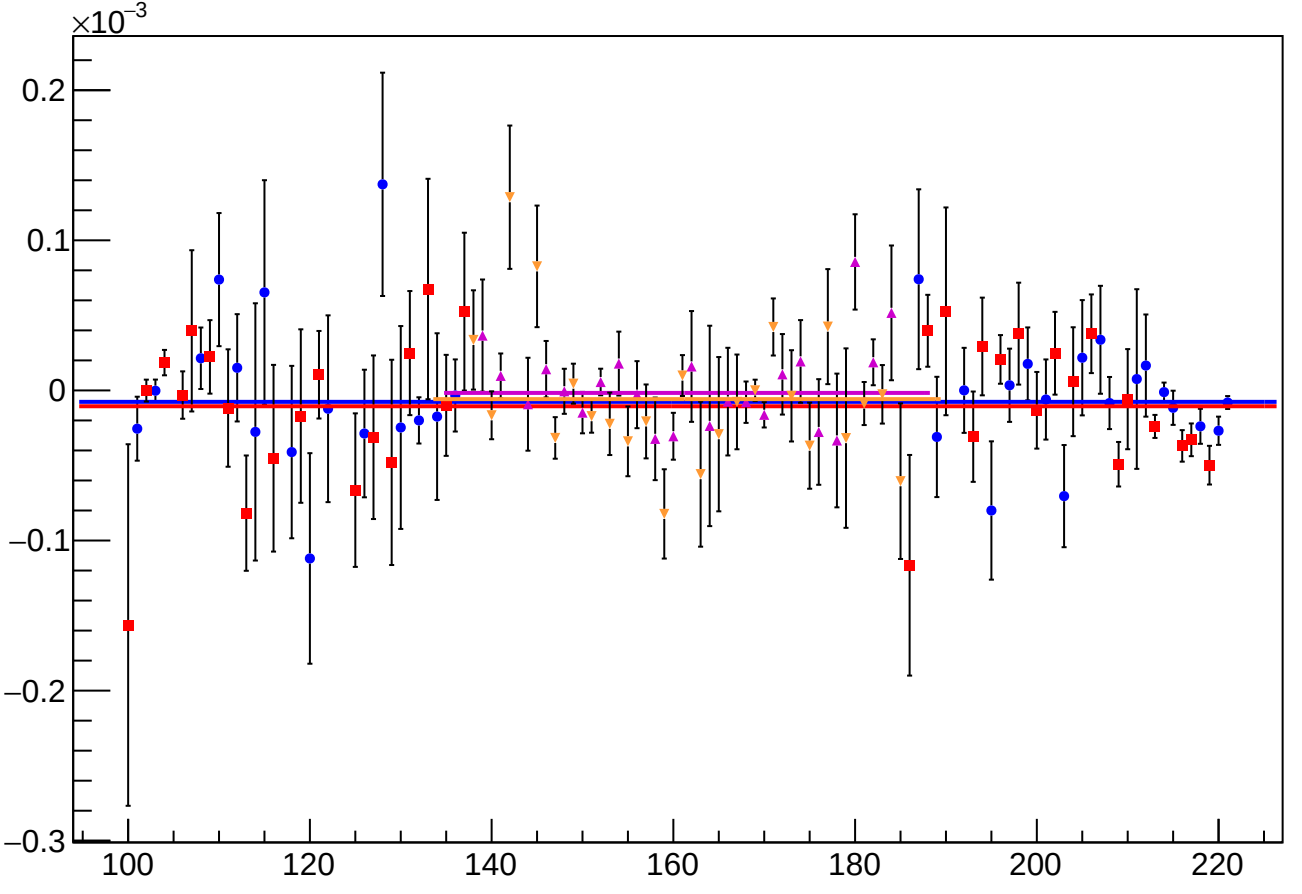
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.049+/-0.049 χ^2/NDF: 144.1/115

- sign -0.055+/-0.068 χ^2/NDF: 77.2/57


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 351.382+/-0.056 χ²/NDF: 2204831.7/33
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 319.631+/-0.053 χ²/NDF: 3836102.3/34
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 409.922+/-0.050 χ²/NDF: 11002343.0/57
All: 394.126+/-0.035 χ²/NDF: 24392208.4/11
- sign 379.528+/-0.048 χ²/NDF: 13199187.5/57



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

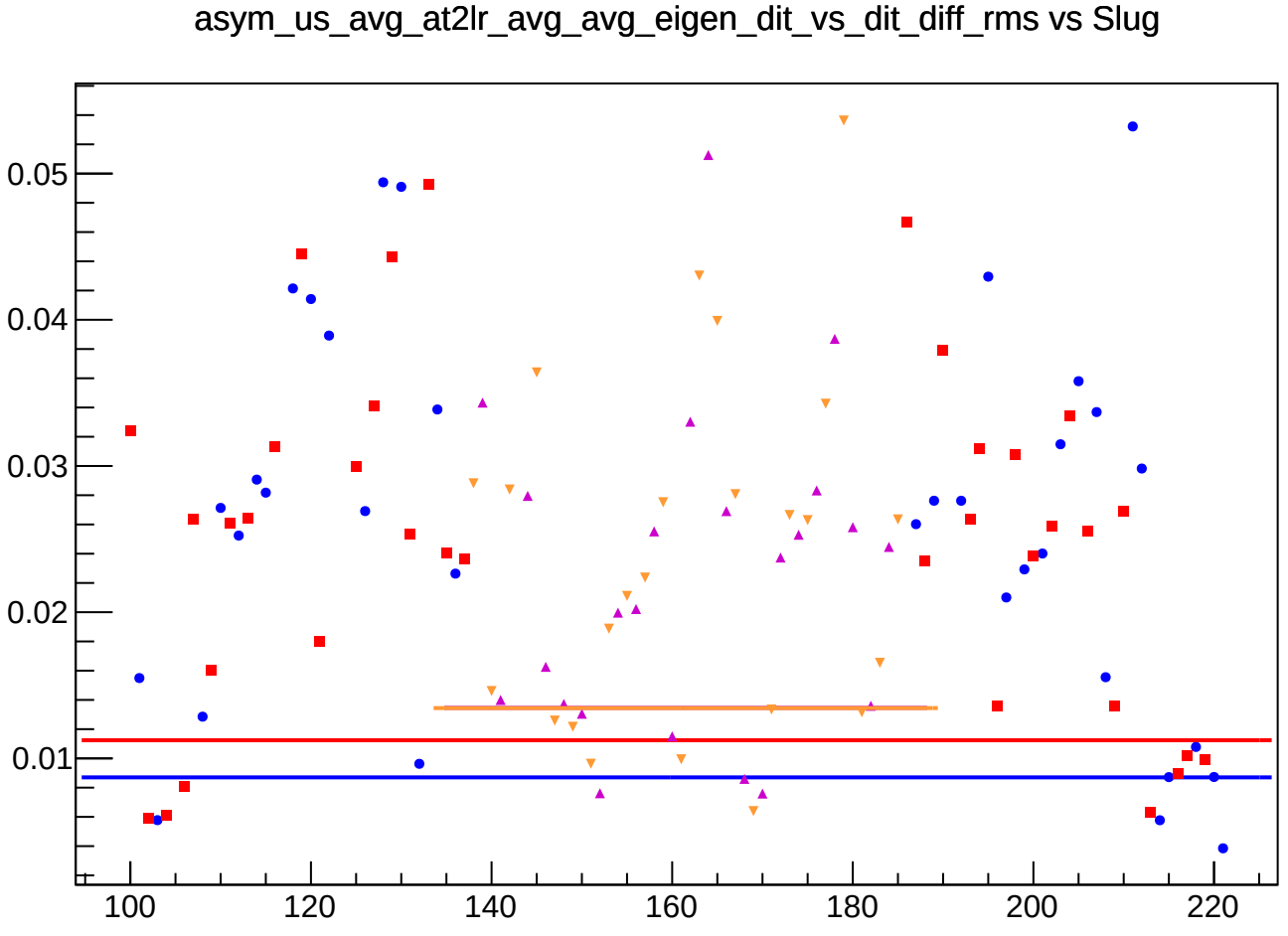
Right Out: -0.000+/-0.000 χ^2/NDF: 77.4/34

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.9/57

All: -0.000+/-0.000 χ^2/NDF: 184.2/115

- sign -0.000+/-0.000 χ^2/NDF: 106.3/57



Right In: 0.009+/-0.000 χ^2/NDF: 18536153.2/33

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

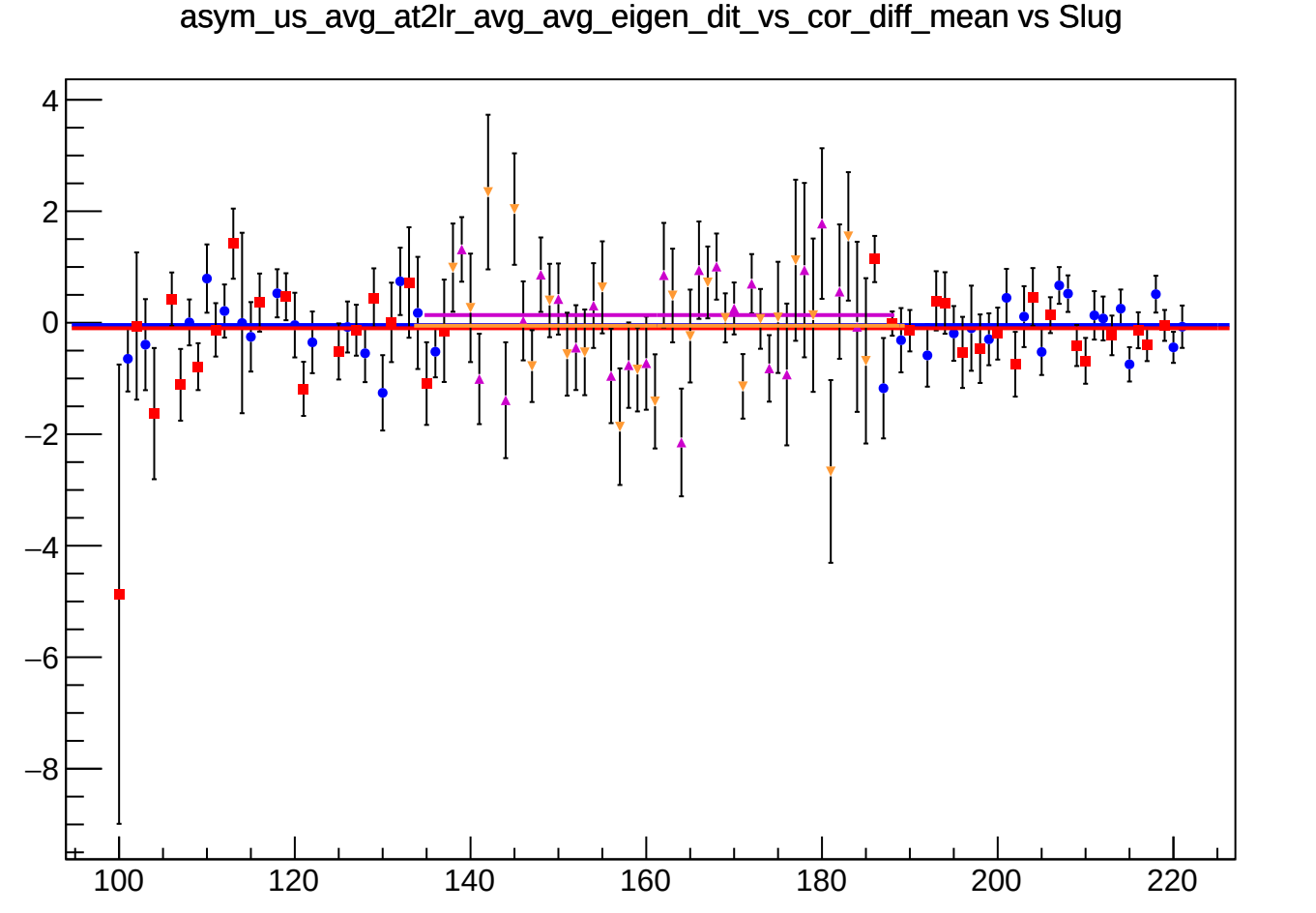
Right Out: 0.011+/-0.000 χ^2/NDF: 13129533.2/34

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 29601815.5/57

All: 0.011+/-0.000 χ^2/NDF: 51417858.8/115

- sign 0.012+/-0.000 χ^2/NDF: 21094672.6/57



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

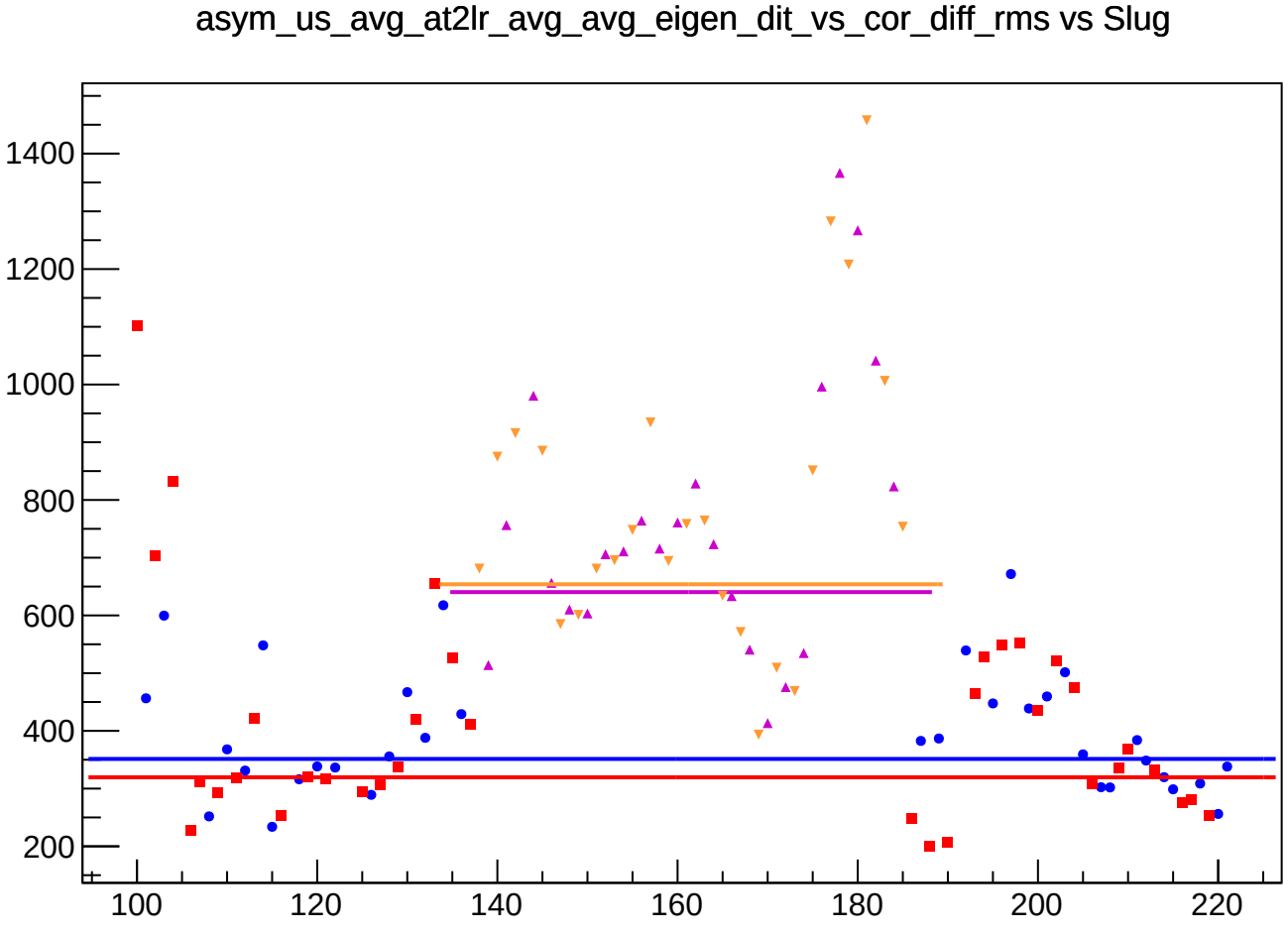
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.049+/-0.049 χ^2/NDF: 144.1/115

- sign -0.055+/-0.068 χ^2/NDF: 77.2/57



Right In: 351.382+/-0.056 χ^2/NDF: 2204823.1/33

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

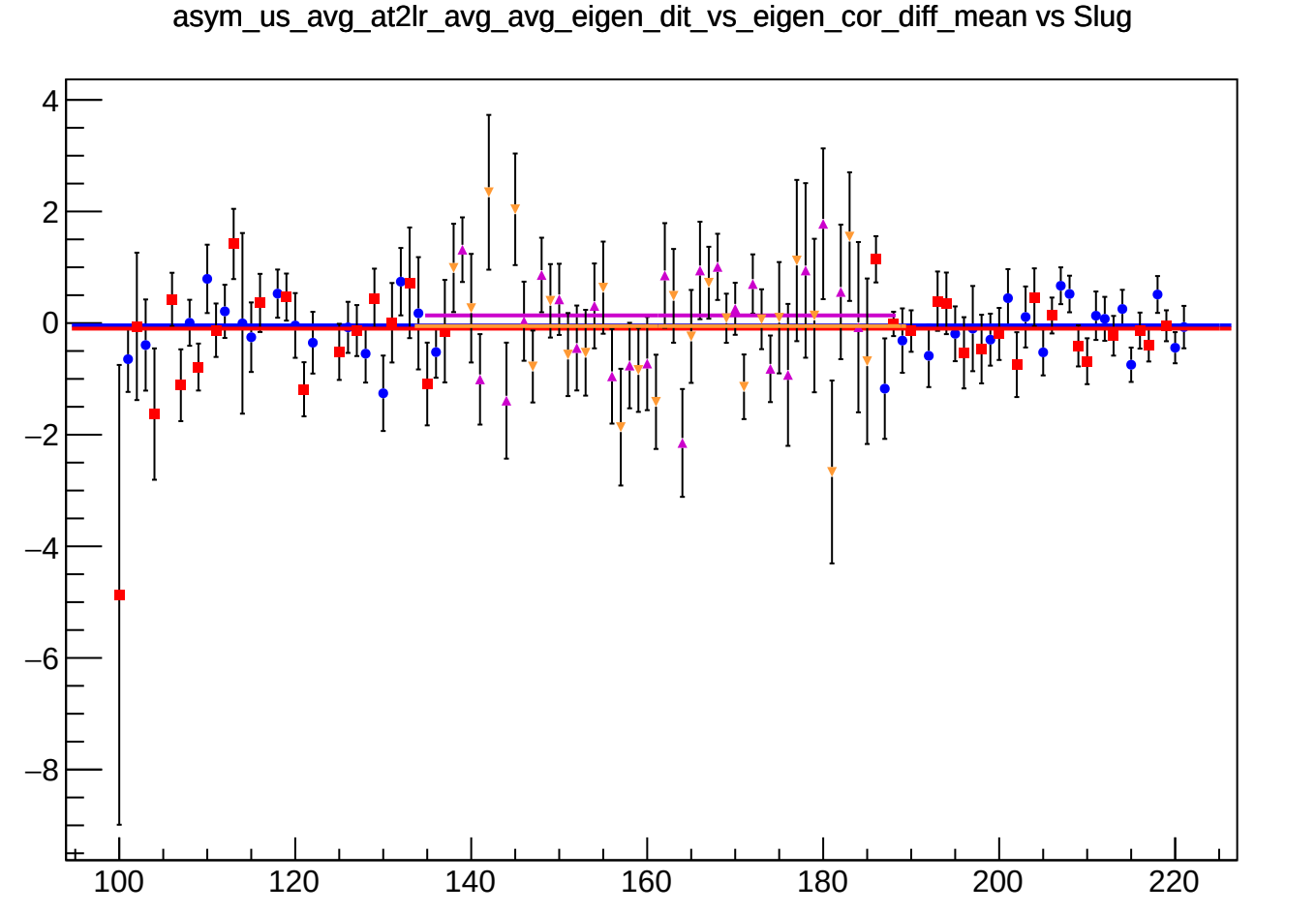
Right Out: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 409.922+/-0.050 χ^2/NDF: 11002530.1/57

All: 394.123+/-0.035 χ^2/NDF: 24392965.8/11

- sign 379.524+/-0.048 χ^2/NDF: 13199711.6/57



Right In: -0.041+/-0.079 χ^2/NDF: 36.8/33

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

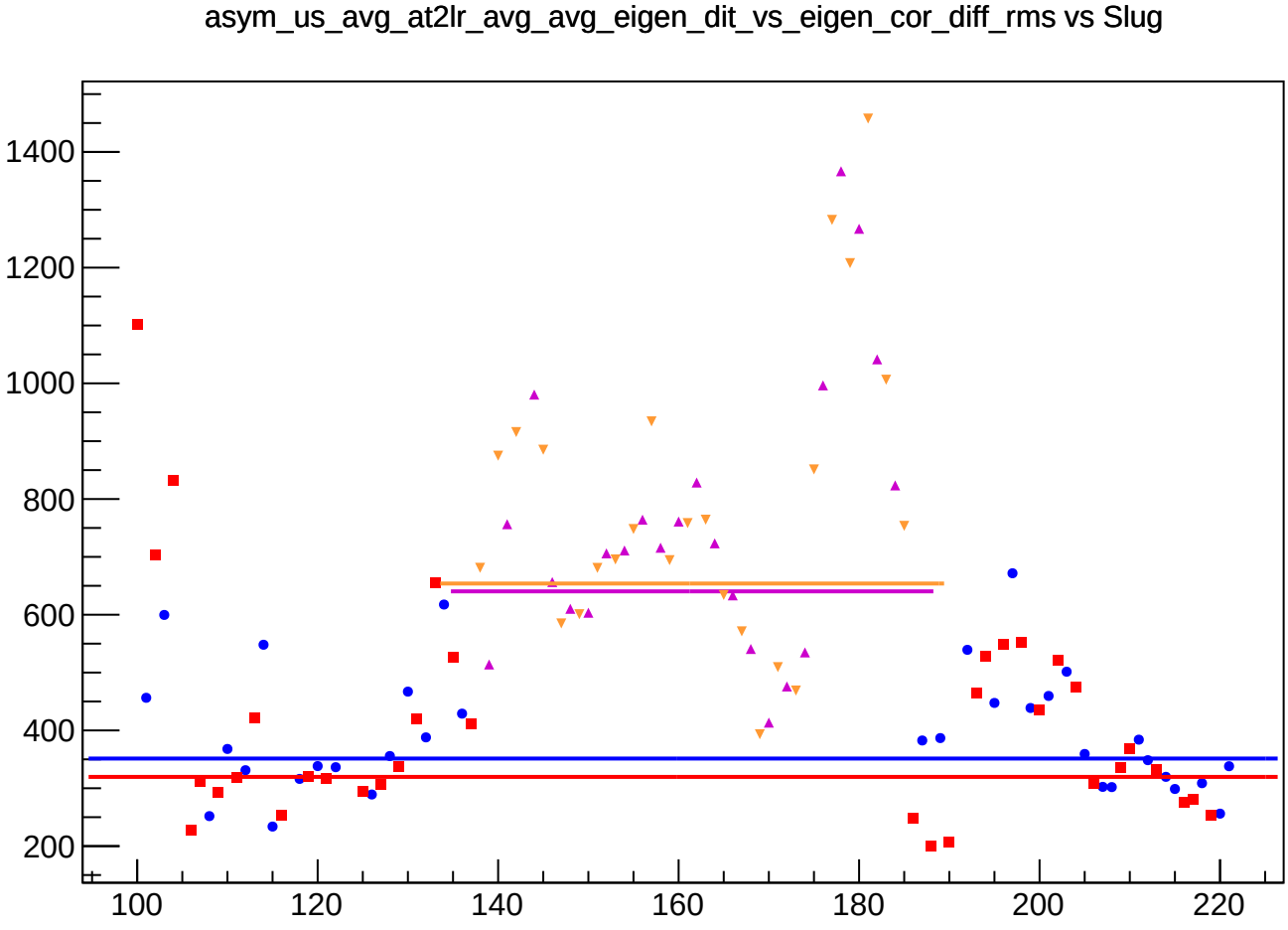
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.043+/-0.071 χ^2/NDF: 66.9/57

All: -0.049+/-0.049 χ^2/NDF: 144.1/115

- sign -0.055+/-0.068 χ^2/NDF: 77.2/57



Right In: 351.382+/-0.056 χ^2/NDF: 2204823.1/33

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

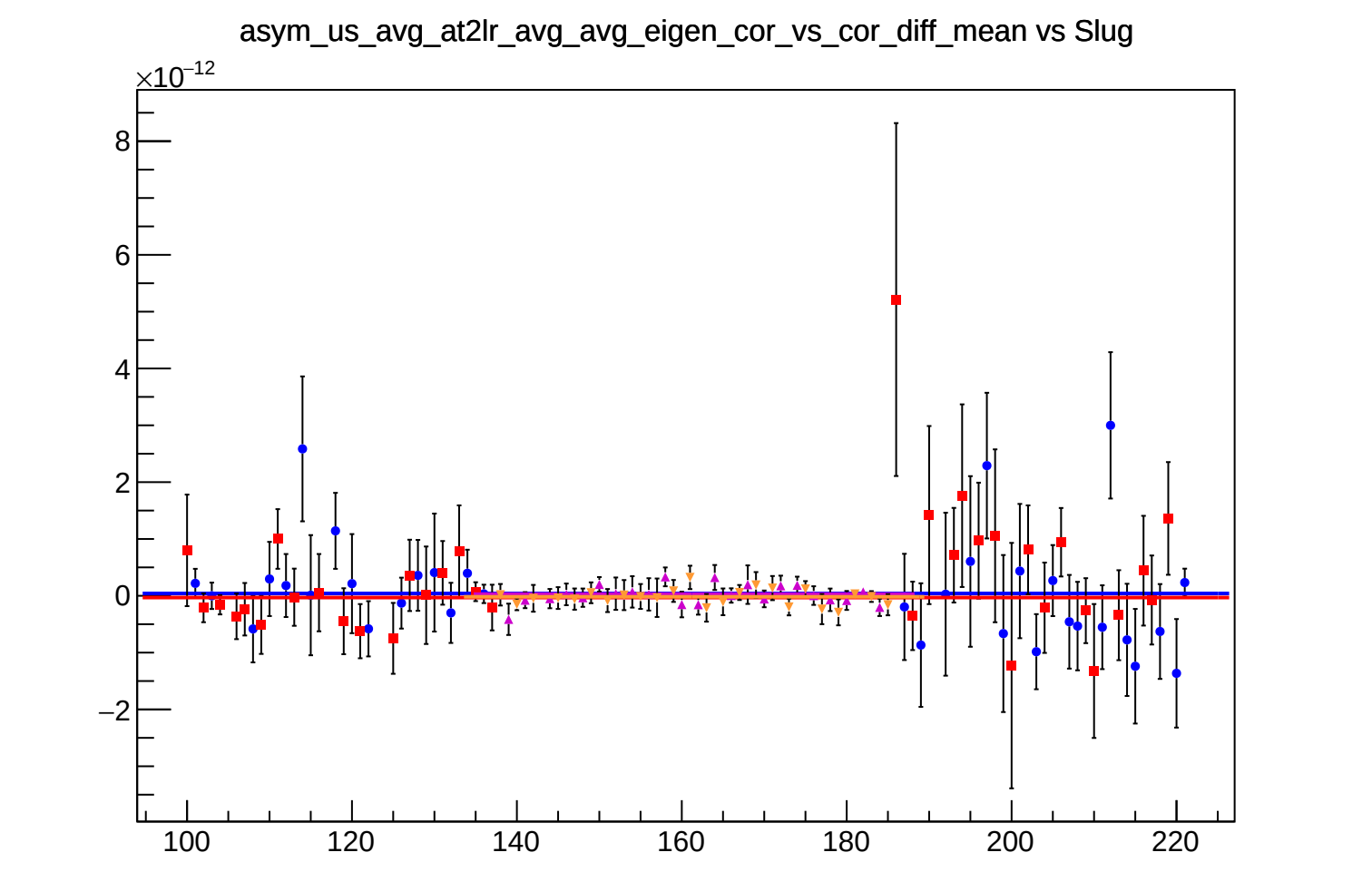
Right Out: 319.627+/-0.053 χ^2/NDF: 3836261.5/34

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 409.922+/-0.050 χ^2/NDF: 11002530.1/57

All: 394.123+/-0.035 χ^2/NDF: 24392965.8/11

- sign 379.524+/-0.048 χ^2/NDF: 13199711.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

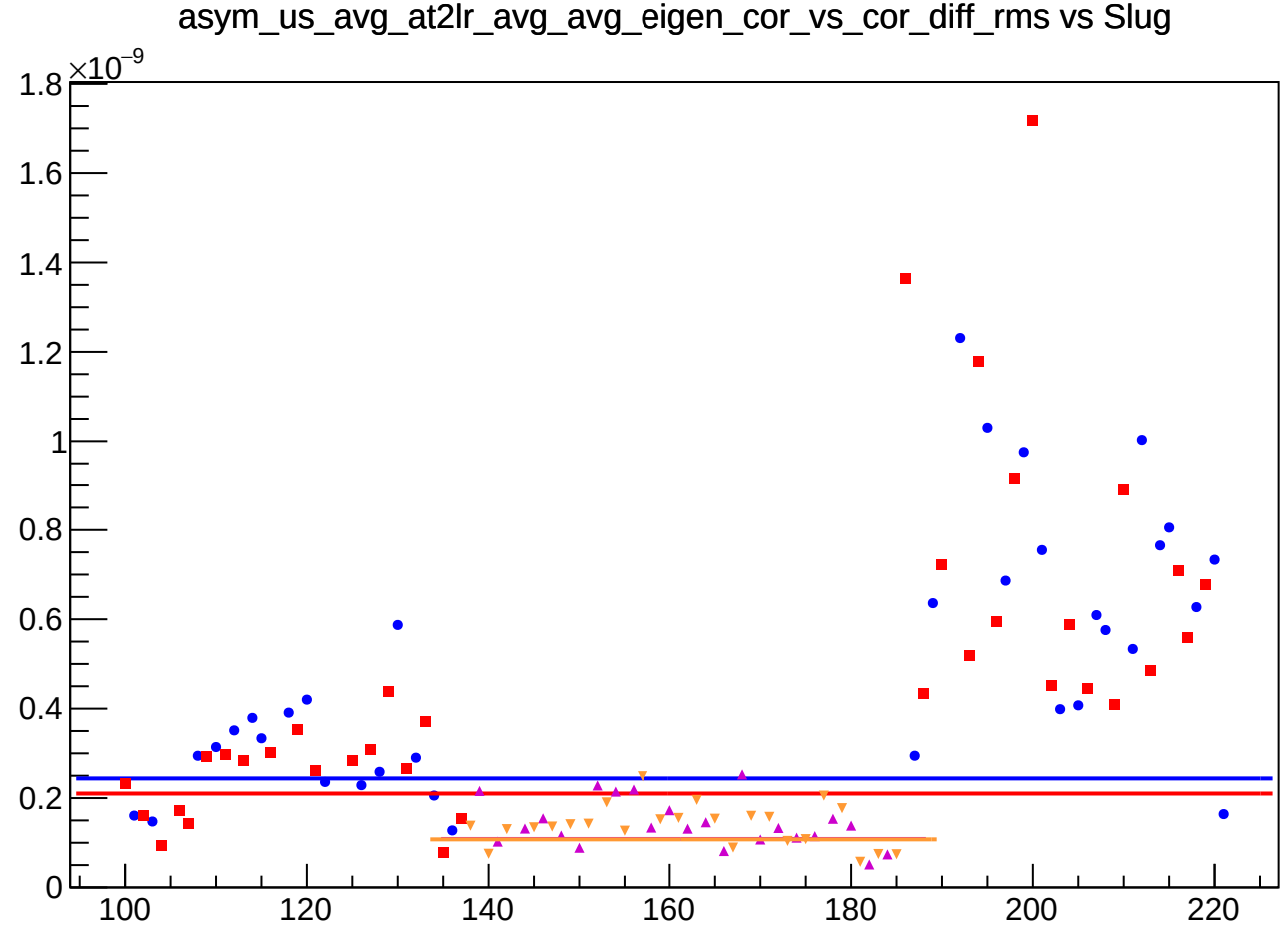
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/34

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.9/57

All: 0.000+/-0.000 χ^2/NDF: 92.4/115

- sign 0.000+/-0.000 χ^2/NDF: 47.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 9452255.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9947758.0/34

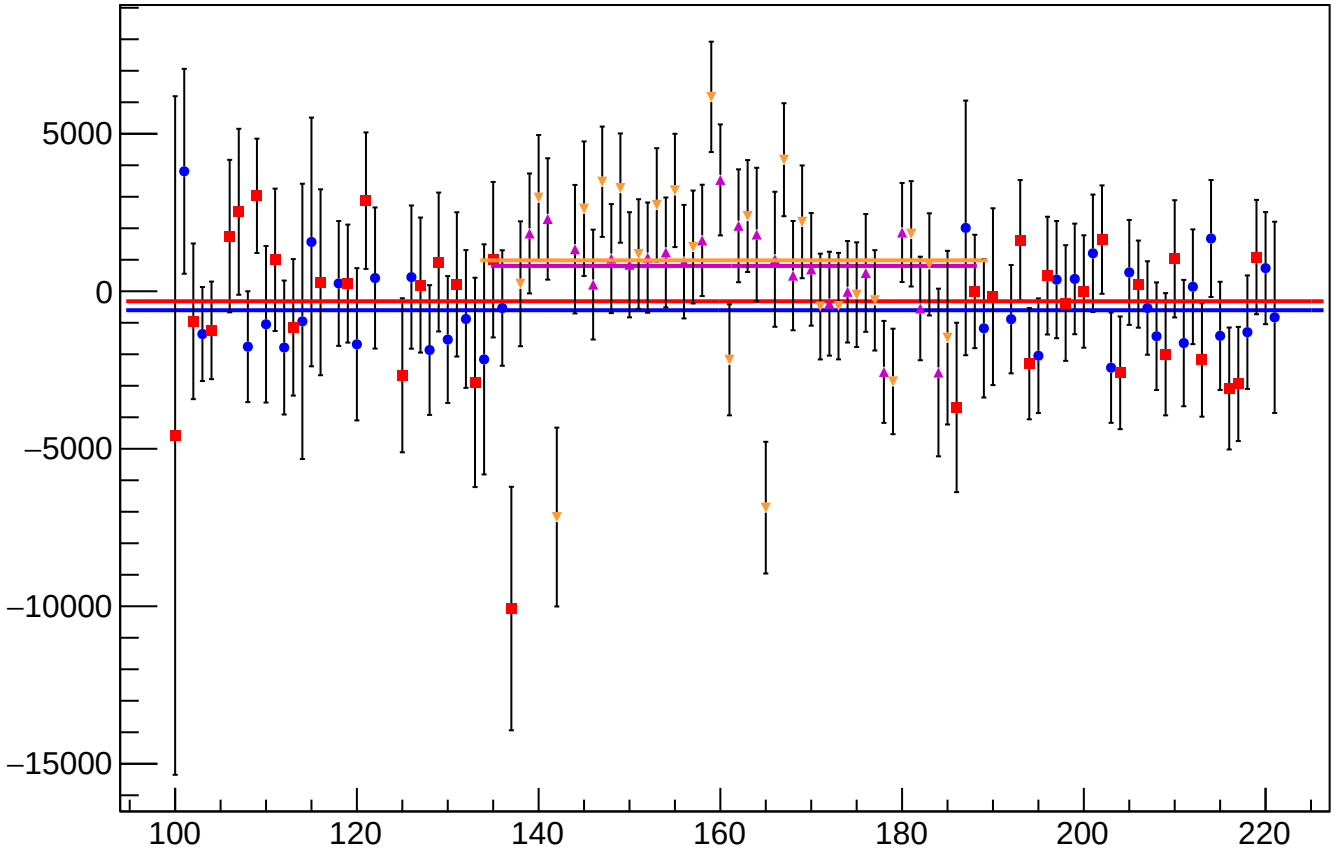
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17532229.0/57

All: 0.000+/-0.000 χ^2/NDF: 34152074.9/115

- sign 0.000+/-0.000 χ^2/NDF: 16612535.0/57

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -601.790+/-343.950 χ^2/NDF: 12.2/33

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -317.276+/-346.939 χ^2/NDF: 31.5/34

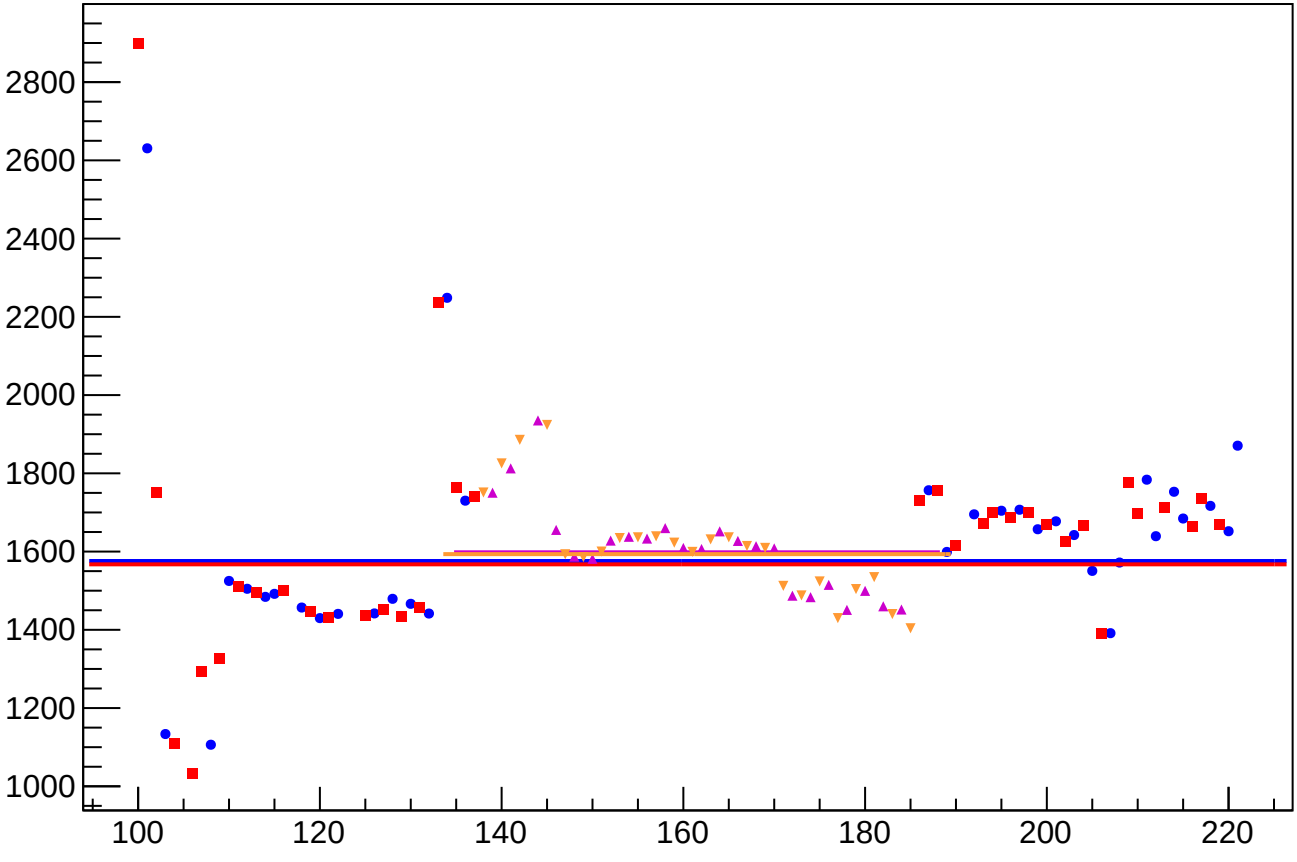
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 130.429+/-252.181 χ^2/NDF: 77.5/57

All: 165.505+/-179.089 χ^2/NDF: 126.4/115

\- sign 201.193+/-254.373 χ^2/NDF: 48.8/57

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1575.896+/-0.243 χ^2/NDF: 825073.8/33

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

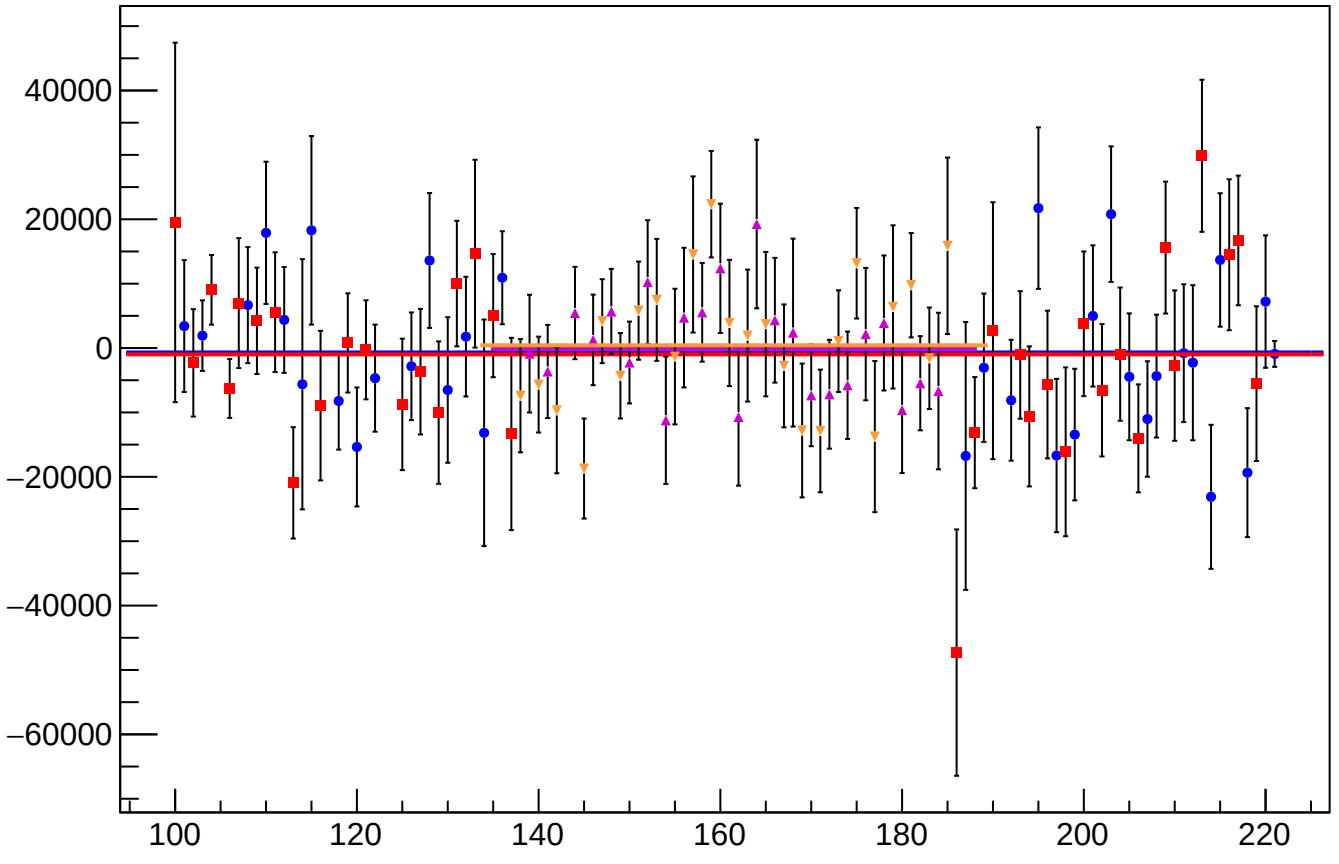
Right Out: 1567.373+/-0.245 χ^2/NDF: 729359.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1584.028+/-0.178 χ^2/NDF: 1015105.4/57

All: 1582.795+/-0.127 χ^2/NDF: 1921002.5/11

- sign 1581.545+/-0.180 χ^2/NDF: 905800.9/57



Right In: -686.563+/-1302.386 χ^2/NDF: 39.0/33

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -981.711+/-1607.609 χ^2/NDF: 45.0/34

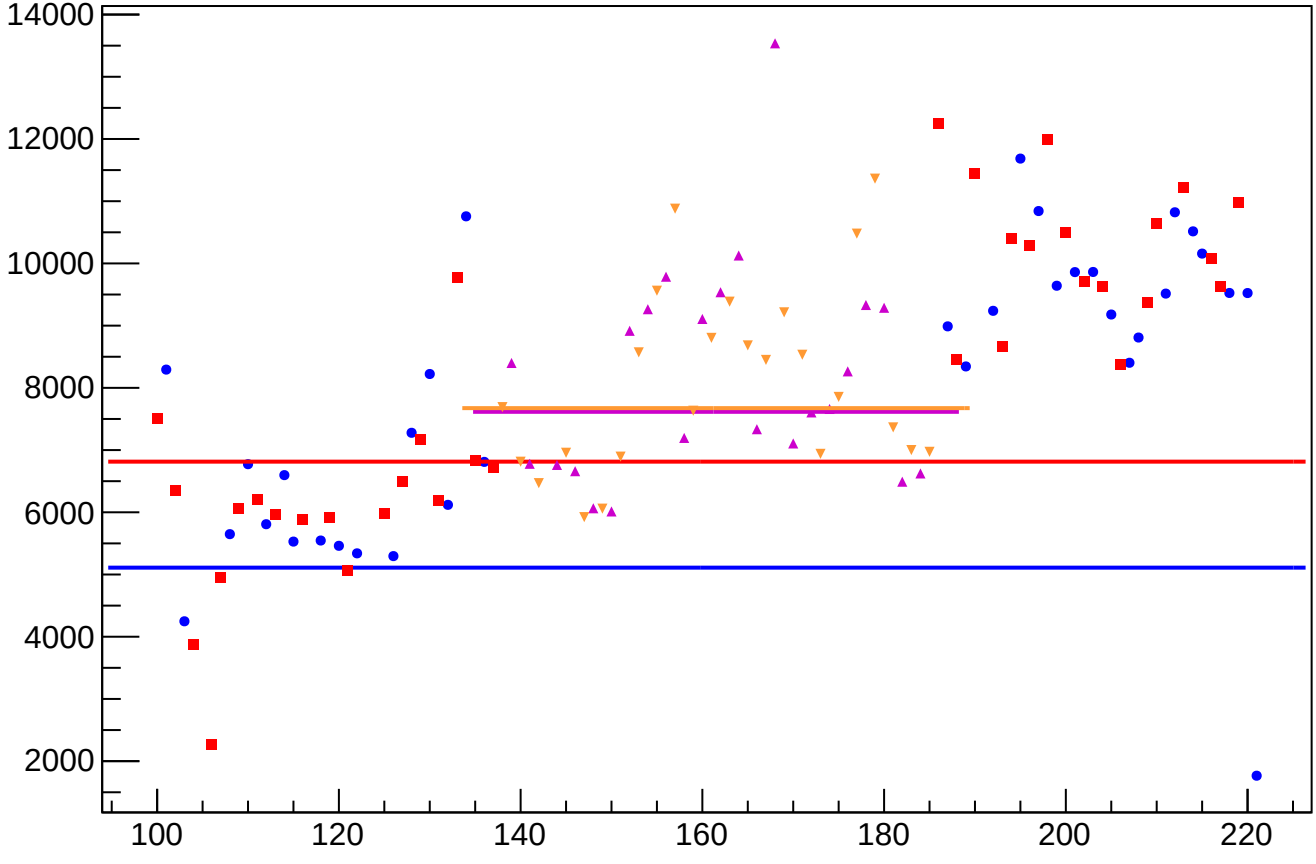
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign -309.513+/-1059.114 χ^2/NDF: 68.6/57

All: -438.771+/-795.044 χ^2/NDF: 127.7/115

- sign -605.640+/-1203.375 χ^2/NDF: 59.0/57

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 5110.313+/-0.921 χ^2/NDF: 12651190.4/33

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6813.983+/-1.137 χ^2/NDF: 5818082.2/34

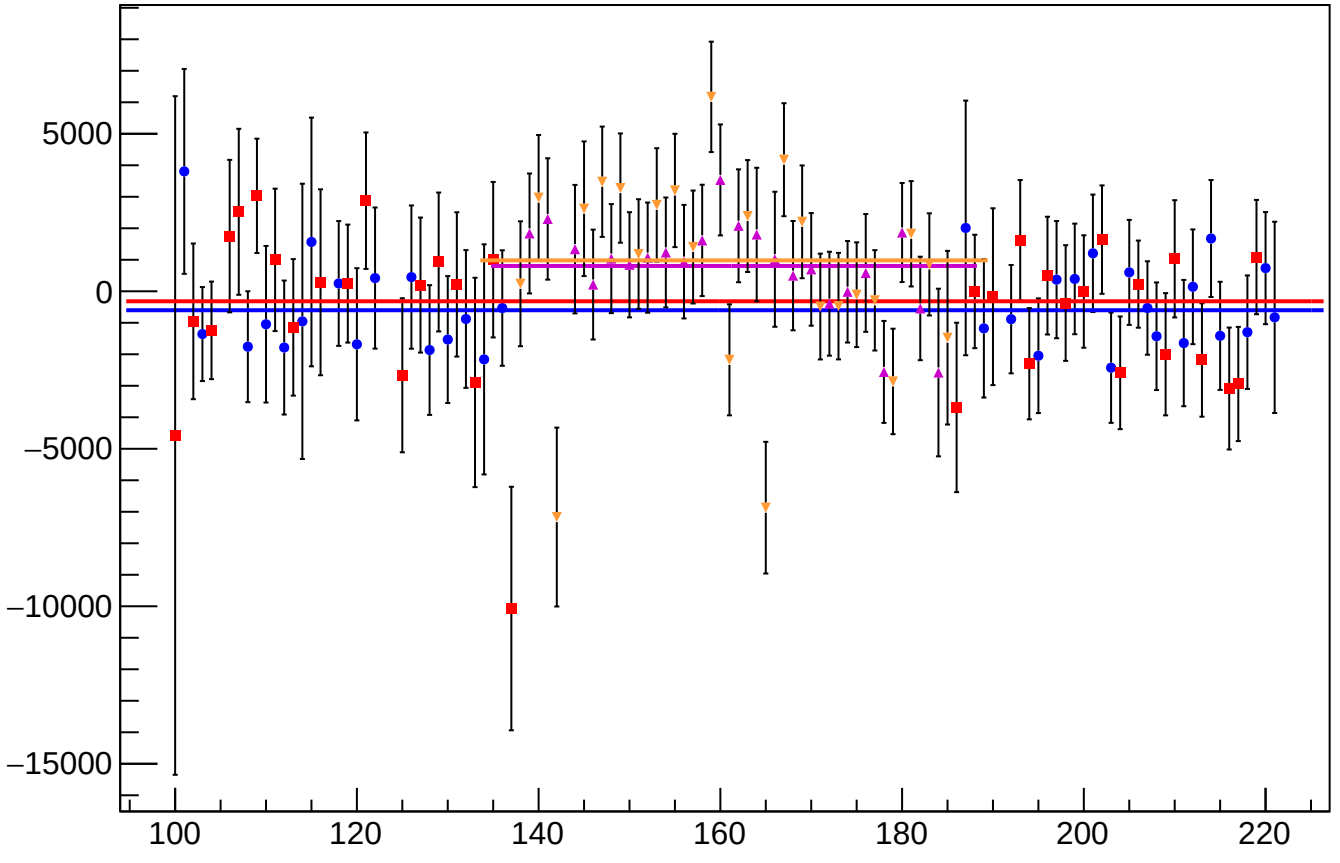
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 5978.625+/-0.749 χ^2/NDF: 16352737.5/57

All: 6496.978+/-0.562 χ^2/NDF: 24711169.0/1

- sign 7166.157+/-0.851 χ^2/NDF: 7260902.9/57

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -601.818+/-343.950 χ^2/NDF: 12.2/33

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -317.295+/-346.939 χ^2/NDF: 31.5/34

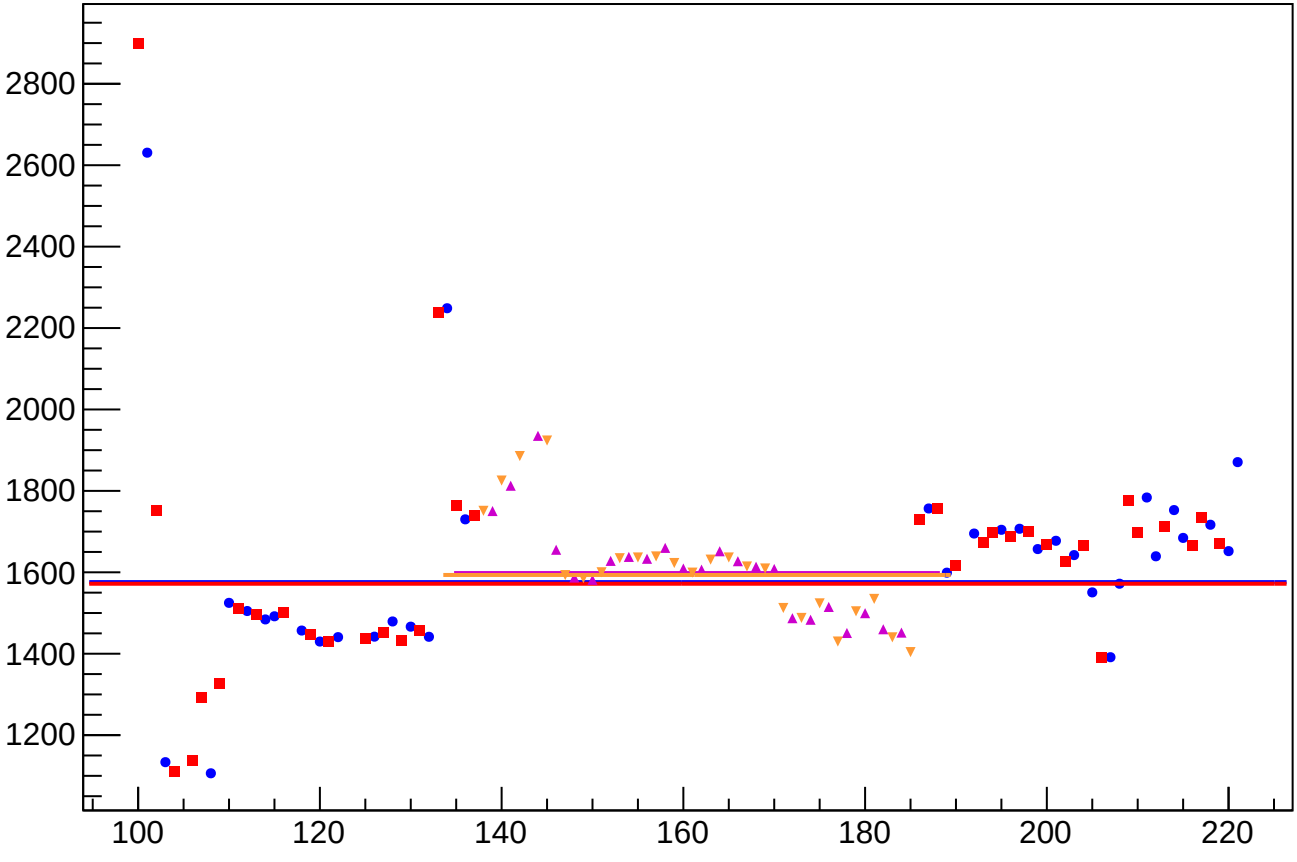
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 130.453+/-252.181 χ^2/NDF: 77.5/57

All: 165.483+/-179.089 χ^2/NDF: 126.4/115

- sign 201.125+/-254.373 χ^2/NDF: 48.8/57

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1575.896+/-0.243 χ^2/NDF: 825074.2/33

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

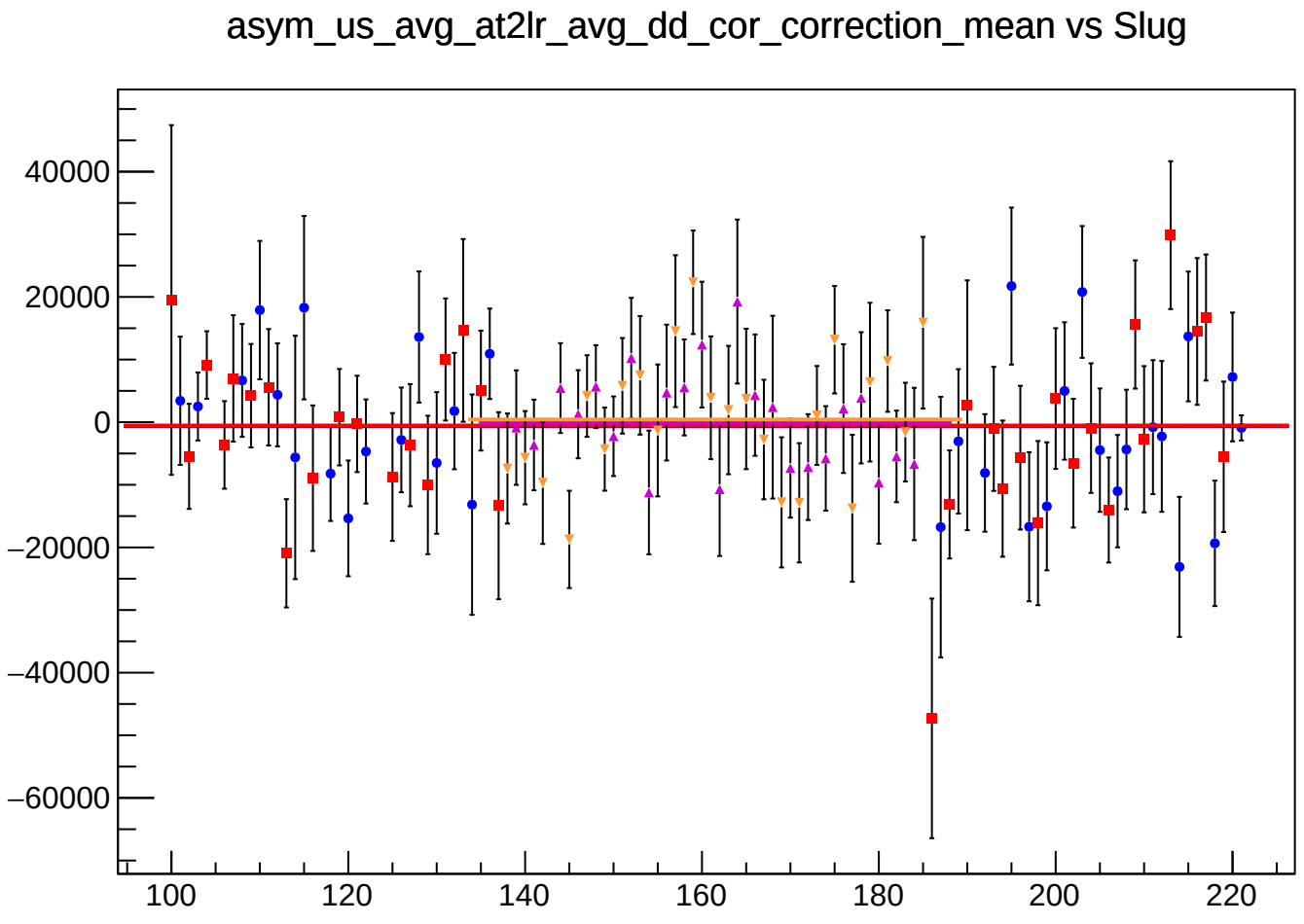
Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1584.028+/-0.178 χ^2/NDF: 1015105.8/57

All: 1584.019+/-0.127 χ^2/NDF: 1861786.9/11

- sign 1584.011+/-0.180 χ^2/NDF: 846681.1/57



Right In: -651.121+/-1301.585 χ^2/NDF: 39.1/33

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

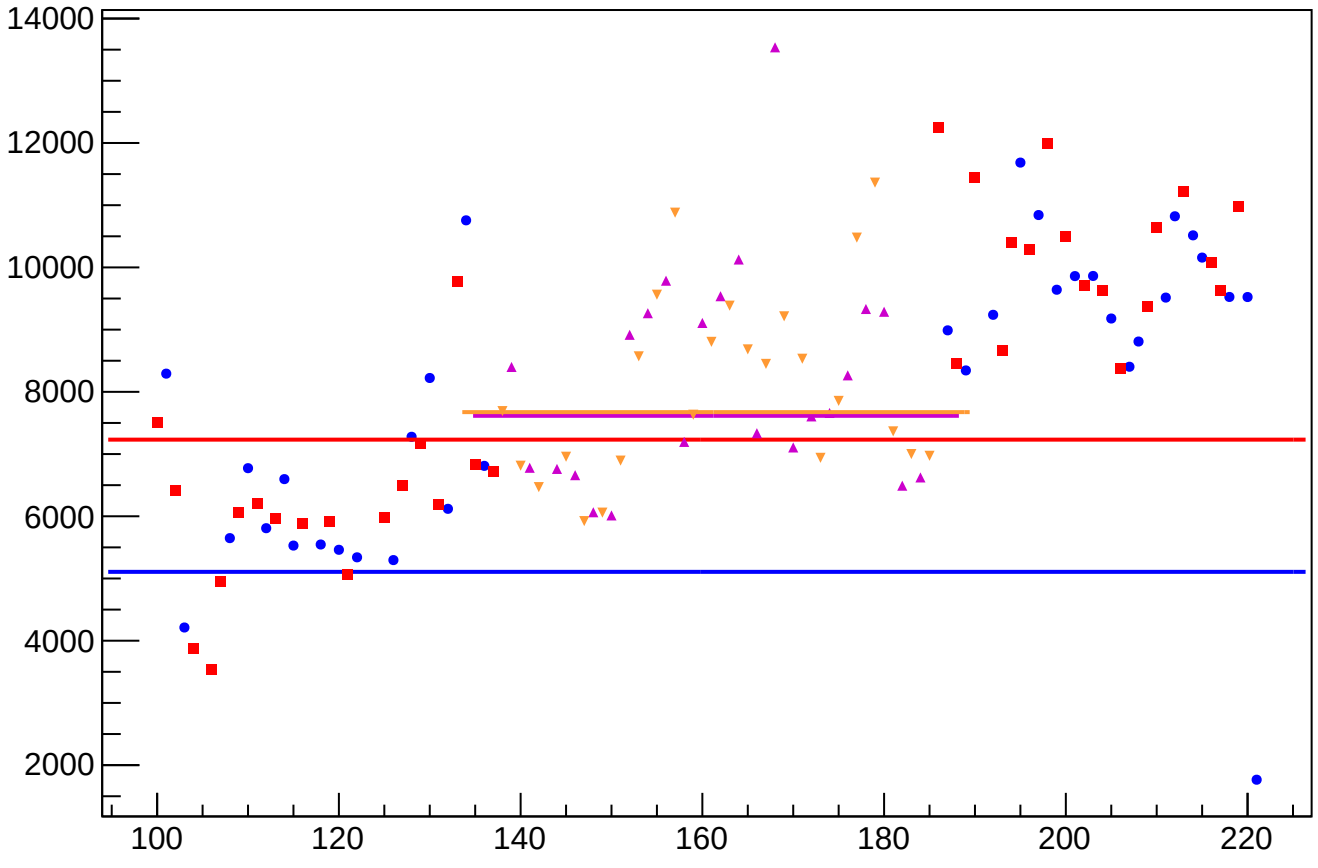
Right Out: -536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -286.371+/-1058.683 χ^2/NDF: 68.7/57

All: -312.974+/-801.819 χ^2/NDF: 126.7/115

- sign -348.763+/-1227.935 χ^2/NDF: 58.0/57



Right In: 5106.716+/-0.920 χ^2/NDF: 12659271.9/33

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

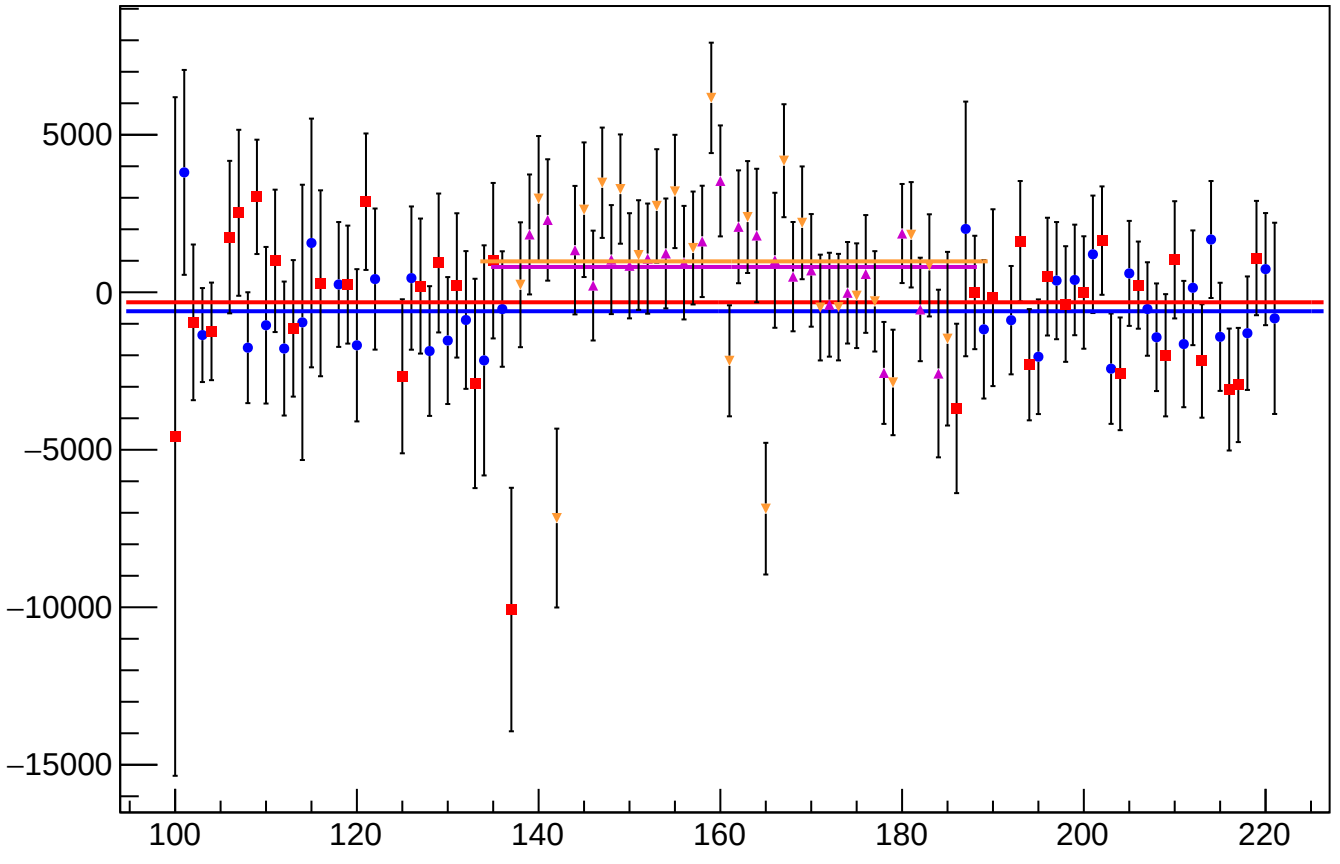
Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 5975.539+/-0.749 χ^2/NDF: 16369289.2/57

All: 6585.984+/-0.567 χ^2/NDF: 23365458.7/1

- sign 7407.214+/-0.868 χ^2/NDF: 5436658.2/57



Right In: -601.818+/-343.950 χ^2/NDF: 12.2/33

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -317.295+/-346.939 χ^2/NDF: 31.5/34

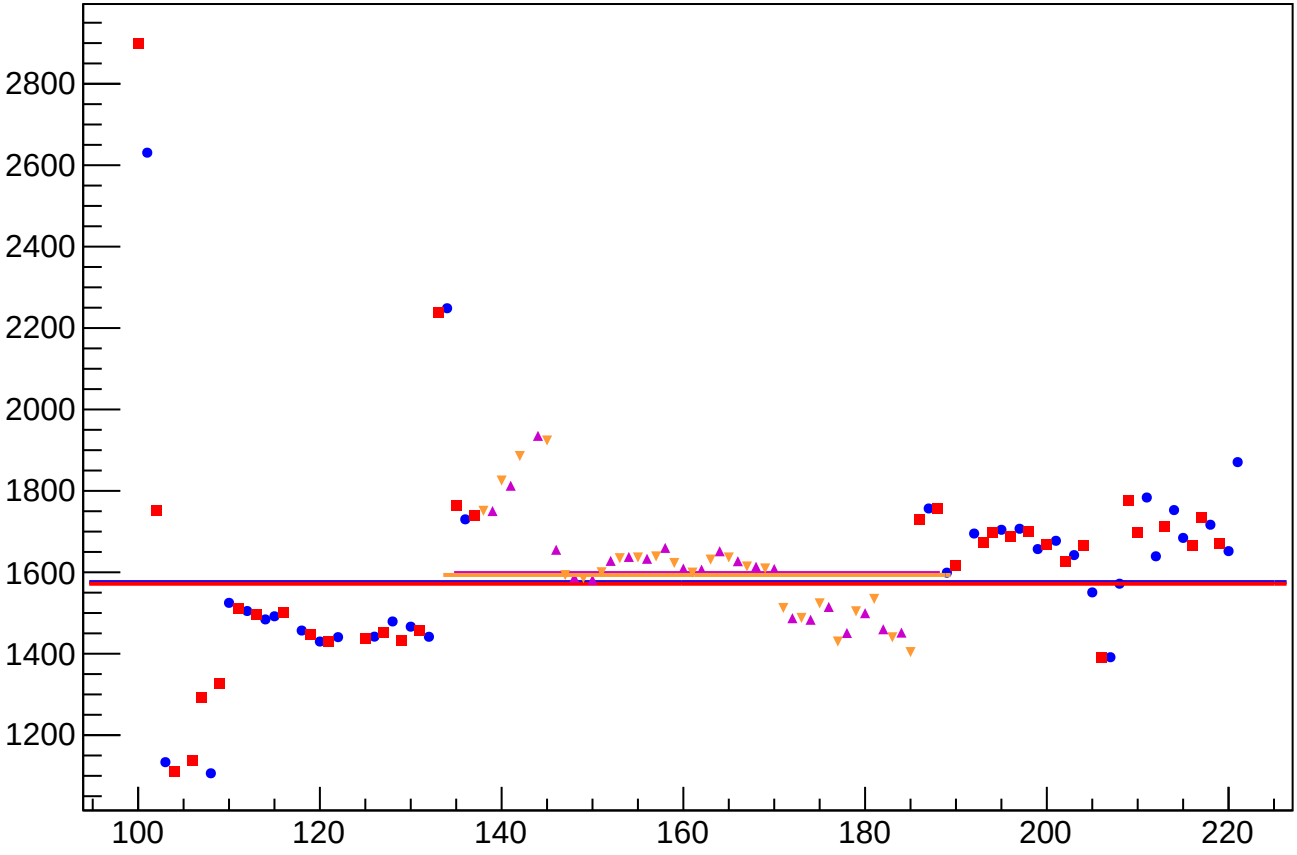
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 130.453+/-252.181 χ^2/NDF: 77.5/57

All: 165.483+/-179.089 χ^2/NDF: 126.4/115

- sign 201.125+/-254.373 χ^2/NDF: 48.8/57

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1575.896+/-0.243 χ^2/NDF: 825074.2/33

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

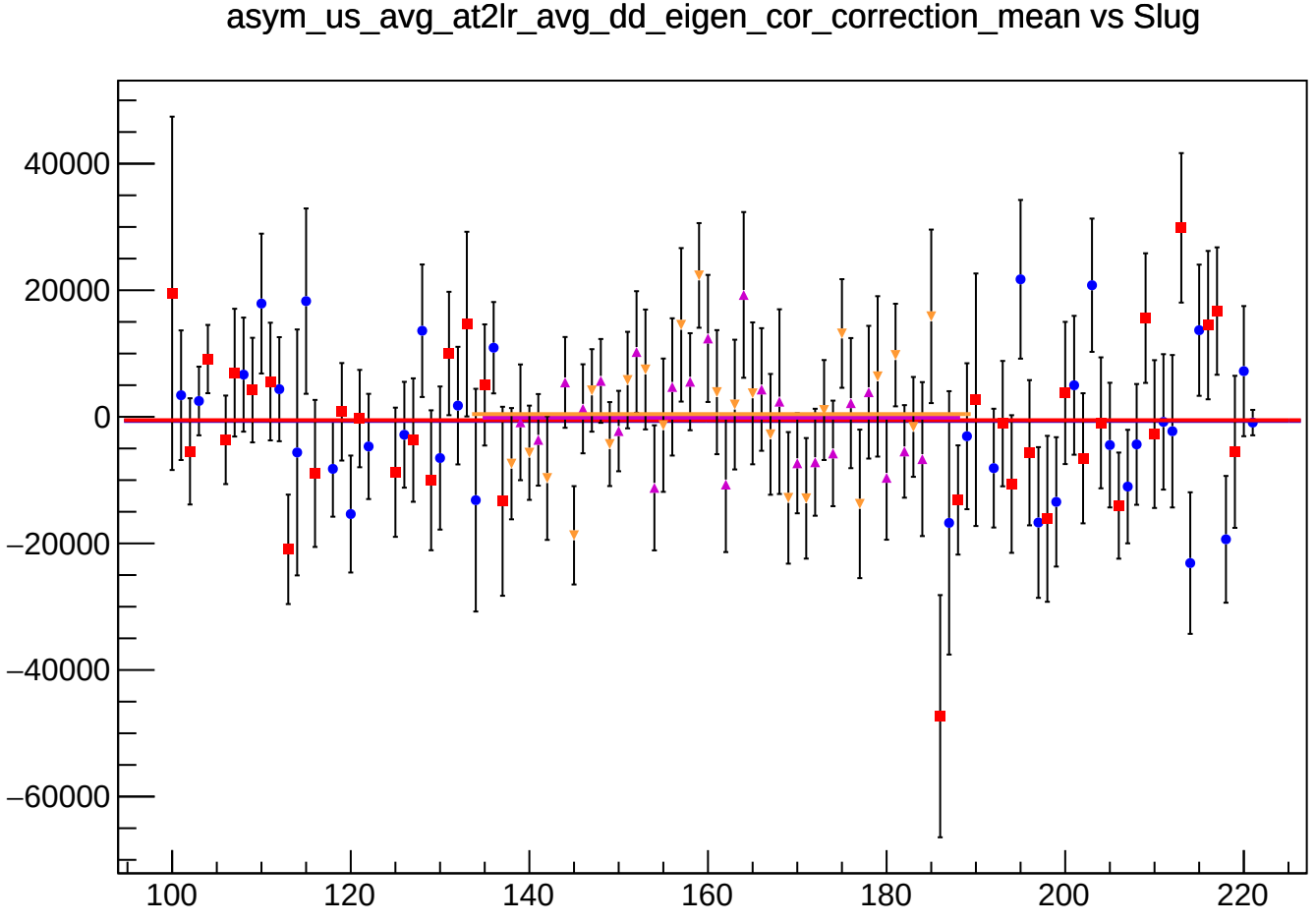
Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1584.028+/-0.178 χ^2/NDF: 1015105.8/57

All: 1584.019+/-0.127 χ^2/NDF: 1861786.9/11

- sign 1584.011+/-0.180 χ^2/NDF: 846681.1/57



Right In: -651.121+/-1301.585 χ^2/NDF: 39.1/33

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

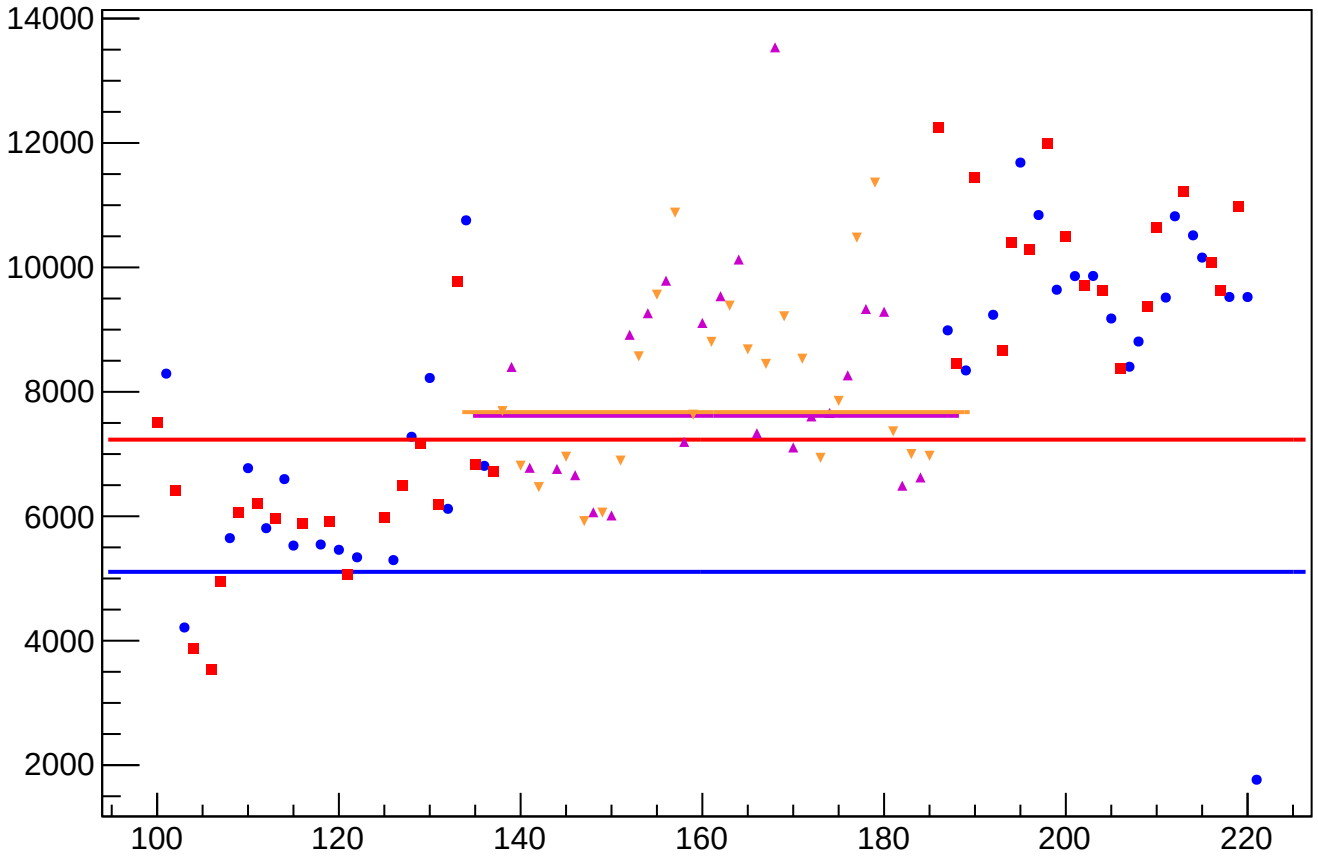
Right Out: -536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -286.371+/-1058.683 χ^2/NDF: 68.7/57

All: -312.974+/-801.819 χ^2/NDF: 126.7/115

- sign -348.763+/-1227.935 χ^2/NDF: 58.0/57



Right In: 5106.716+/-0.920 χ^2/NDF: 12659271.9/33

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

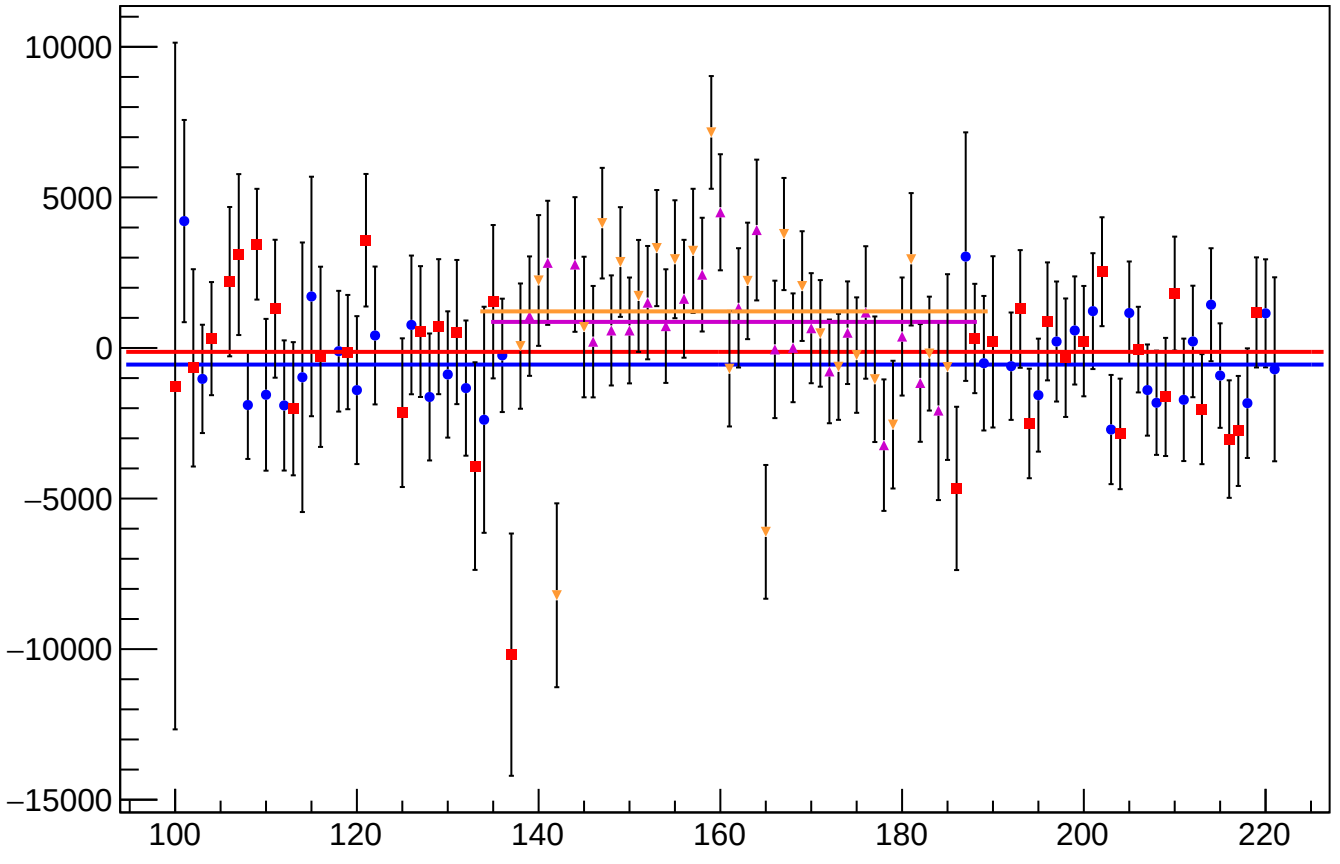
Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 5975.539+/-0.749 χ^2/NDF: 16369289.2/57

All: 6585.984+/-0.567 χ^2/NDF: 23365458.7/1

- sign 7407.214+/-0.868 χ^2/NDF: 5436658.2/57



Right In: -551.043+/-354.254 χ^2/NDF: 13.7/33

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -129.301+/-358.850 χ^2/NDF: 36.3/34

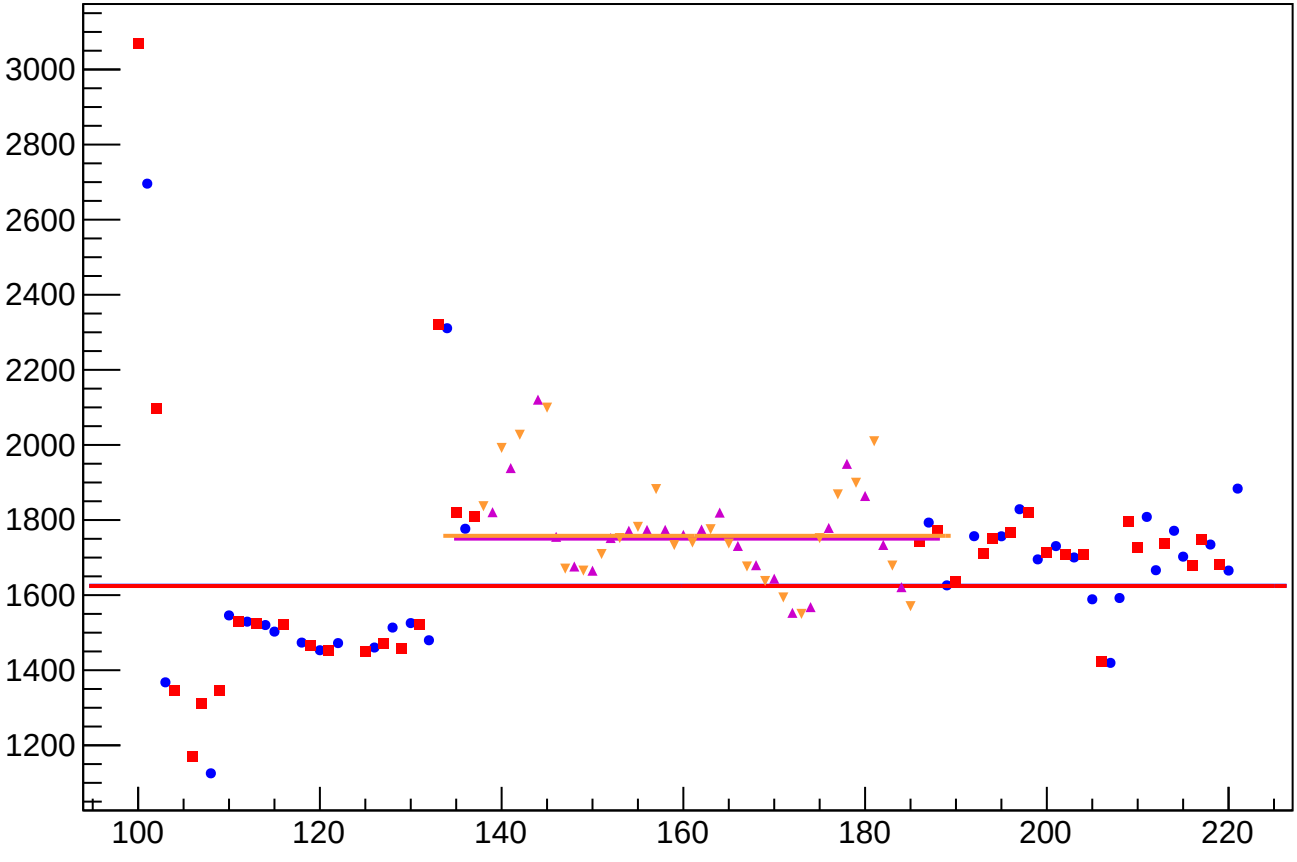
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 204.870+/-267.939 χ^2/NDF: 72.8/57

All: 253.249+/-190.200 χ^2/NDF: 127.6/115

\- sign 302.390+/-270.040 χ^2/NDF: 54.8/57

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1625.017+/-0.250 χ^2/NDF: 699609.9/33

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

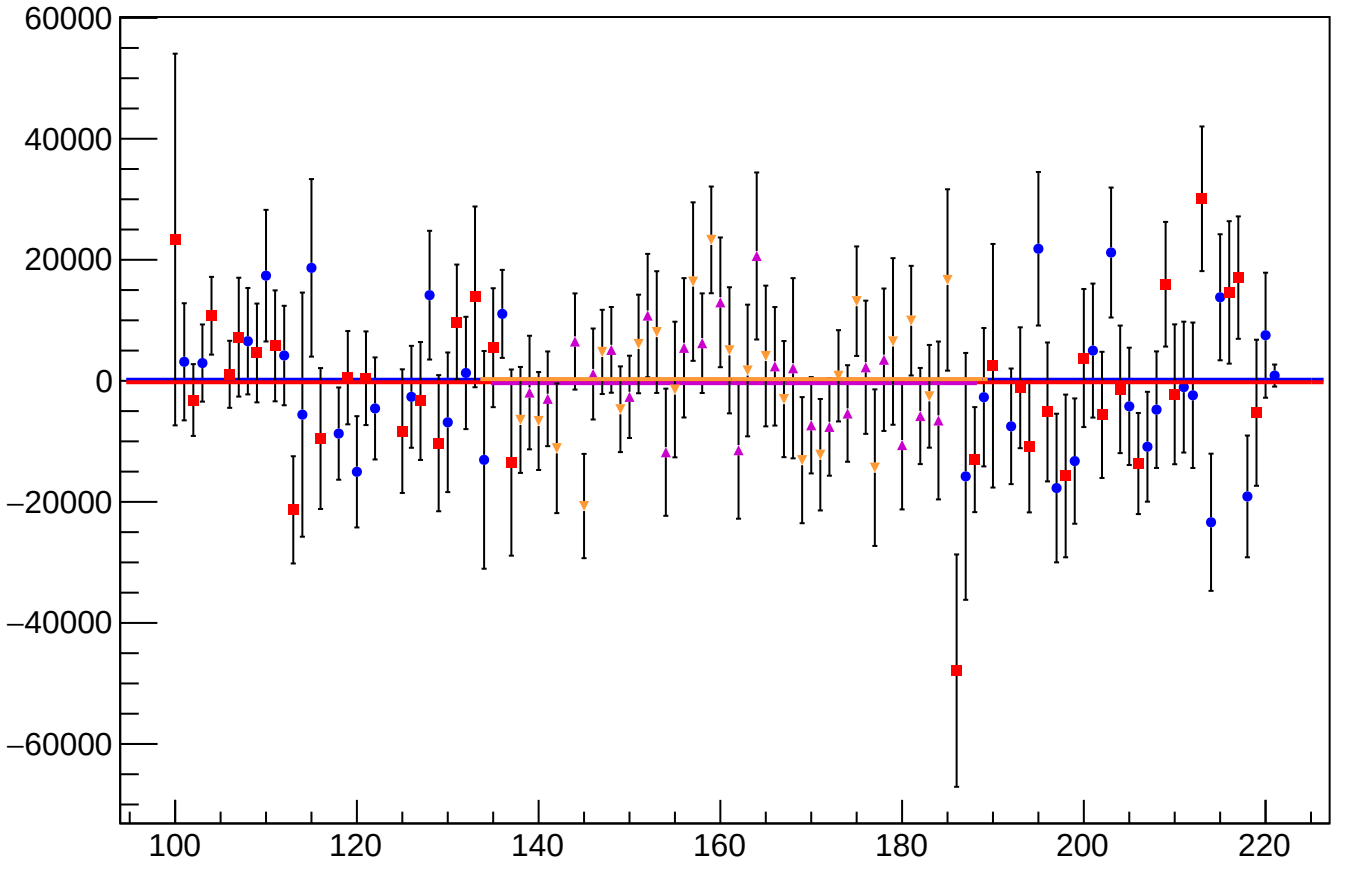
Right Out: 1624.242+/-0.254 χ^2/NDF: 583057.8/34

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1681.911+/-0.189 χ^2/NDF: 1033438.7/57

All: 1680.459+/-0.134 χ^2/NDF: 1895857.9/11

- sign 1678.985+/-0.191 χ^2/NDF: 862300.8/57



Right In: 182.112+/-1257.477 χ^2/NDF: 39.1/33

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

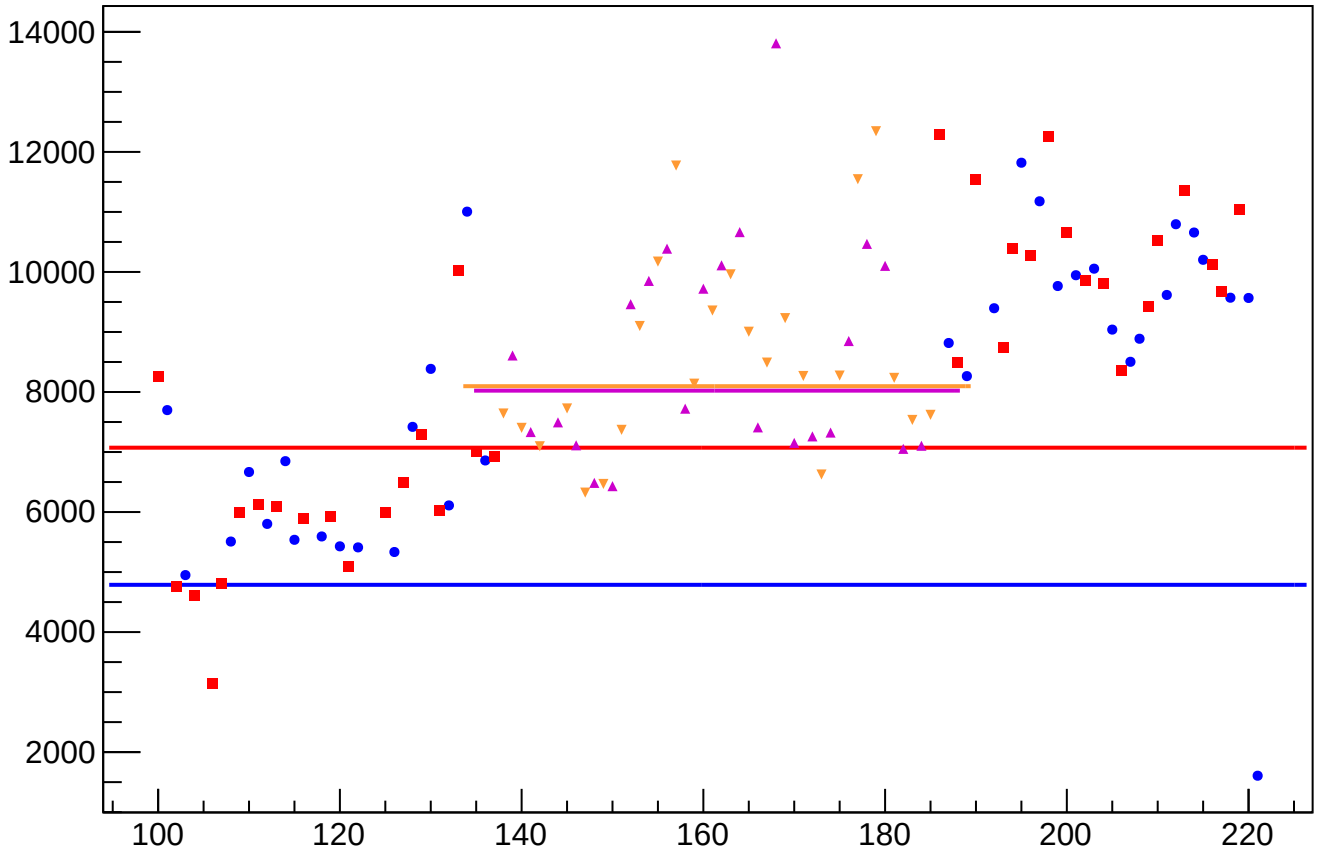
Right Out: -230.151+/-1636.204 χ^2/NDF: 43.5/34

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 212.972+/-1051.967 χ^2/NDF: 67.7/57

All: 1.193+/-803.063 χ^2/NDF: 125.0/115

- sign -294.607+/-1243.256 χ^2/NDF: 57.1/57



Right In: 4787.342+/-0.889 χ^2/NDF: 14421070.6/33

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

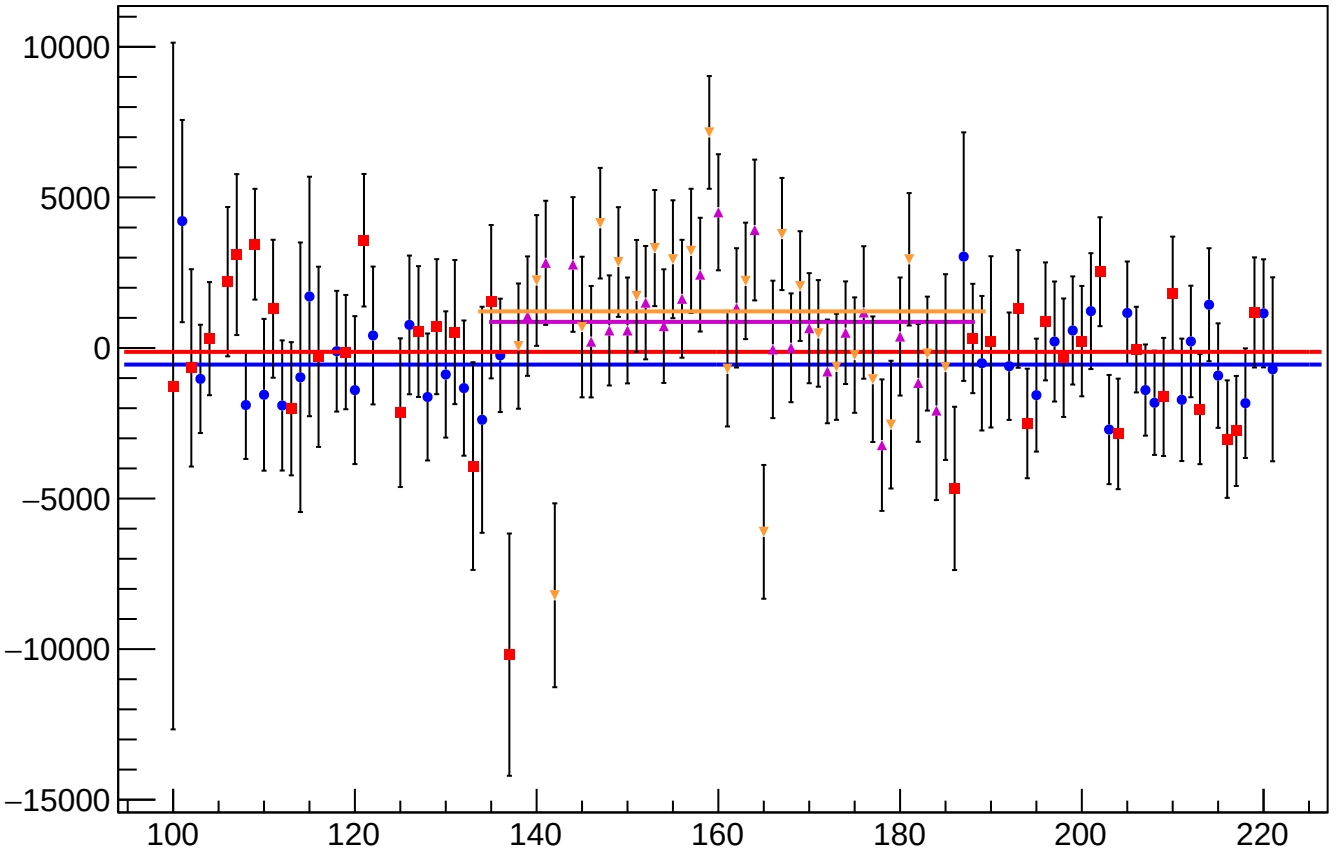
Right Out: 7072.185+/-1.157 χ^2/NDF: 4658527.2/34

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 5780.688+/-0.744 χ^2/NDF: 19666912.5/57

All: 6487.159+/-0.568 χ^2/NDF: 27998178.4/1

- sign 7473.922+/-0.879 χ^2/NDF: 6169354.2/57



Right In: -551.038+/-354.254 χ^2/NDF: 13.7/33

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -129.302+/-358.850 χ^2/NDF: 36.3/34

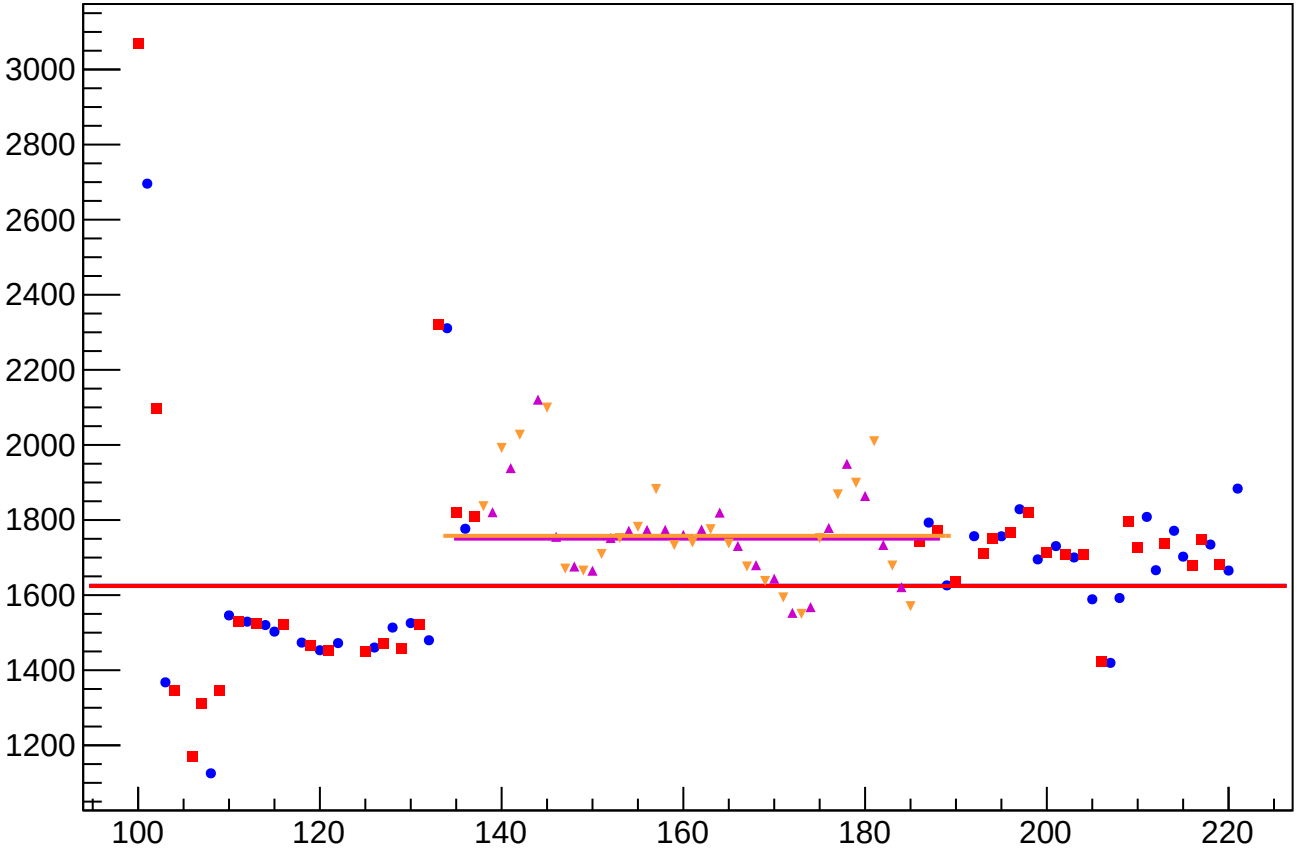
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 204.875+/-267.939 χ^2/NDF: 72.8/57

All: 253.250+/-190.200 χ^2/NDF: 127.6/115

\- sign 302.388+/-270.041 χ^2/NDF: 54.8/57

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1625.017+/-0.250 χ^2/NDF: 699609.9/33

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

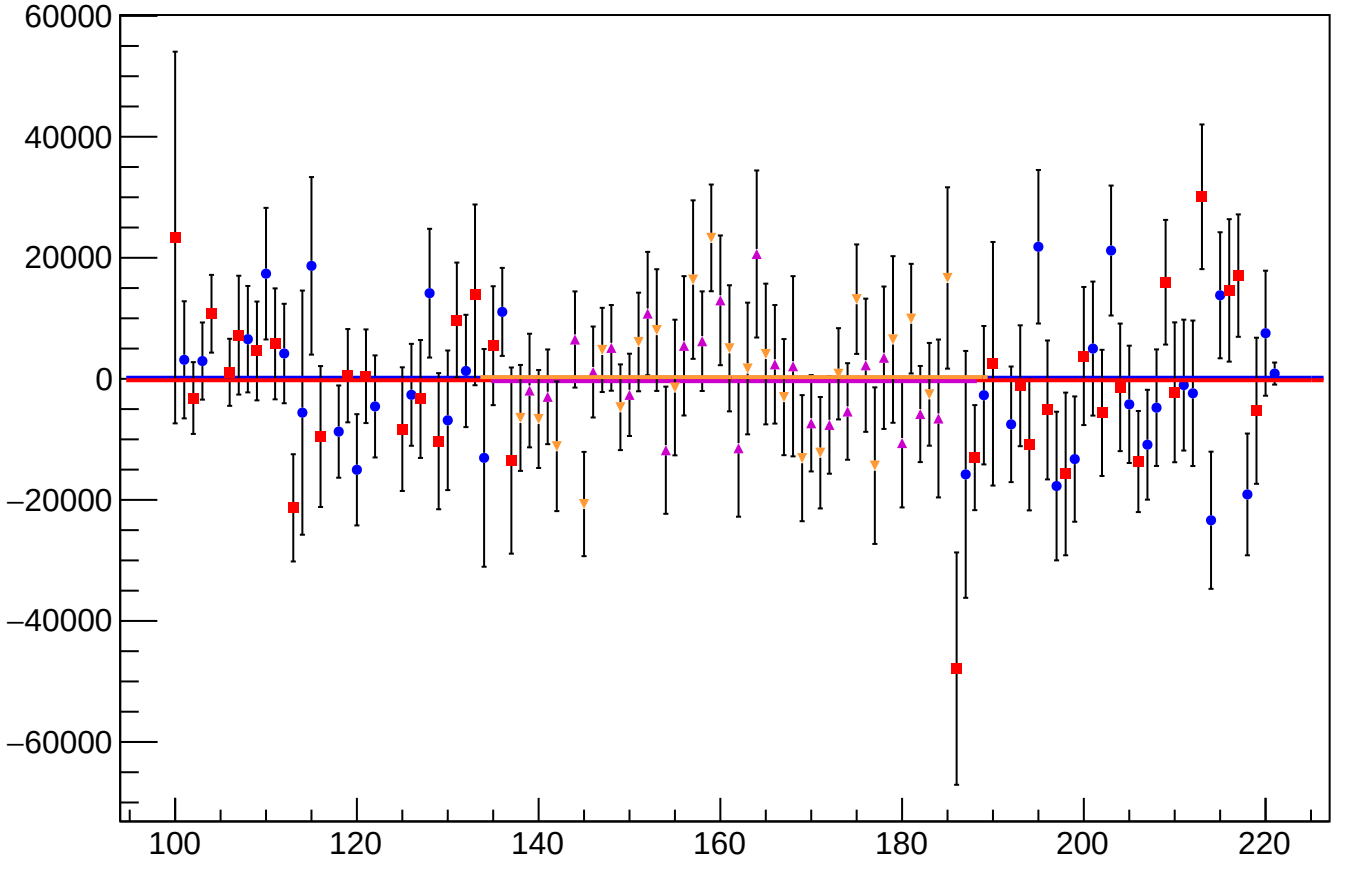
Right Out: 1624.242+/-0.254 χ^2/NDF: 583058.8/34

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1681.912+/-0.189 χ^2/NDF: 1033451.6/57

All: 1680.461+/-0.134 χ^2/NDF: 1895884.1/11

- sign 1678.987+/-0.191 χ^2/NDF: 862314.2/57



Right In: 182.110+/-1257.478 χ^2/NDF: 39.1/33

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

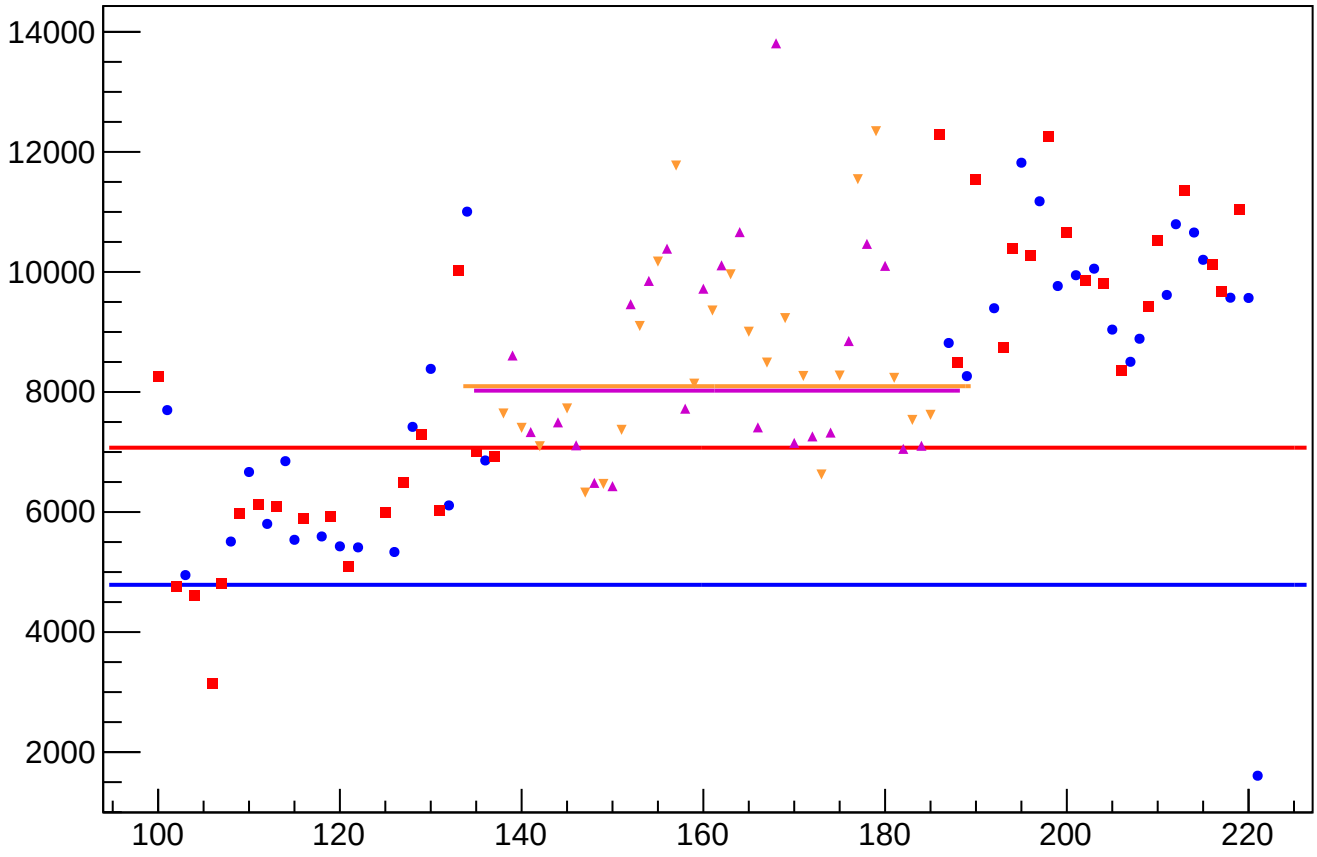
Right Out: -230.143+/-1636.203 χ^2/NDF: 43.5/34

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 212.970+/-1051.968 χ^2/NDF: 67.7/57

All: 1.194+/-803.064 χ^2/NDF: 125.0/115

- sign -294.604+/-1243.257 χ^2/NDF: 57.1/57



Right In: 4787.347+/-0.889 χ^2/NDF: 14421051.5/33

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 7072.176+/-1.157 χ^2/NDF: 4658564.0/34

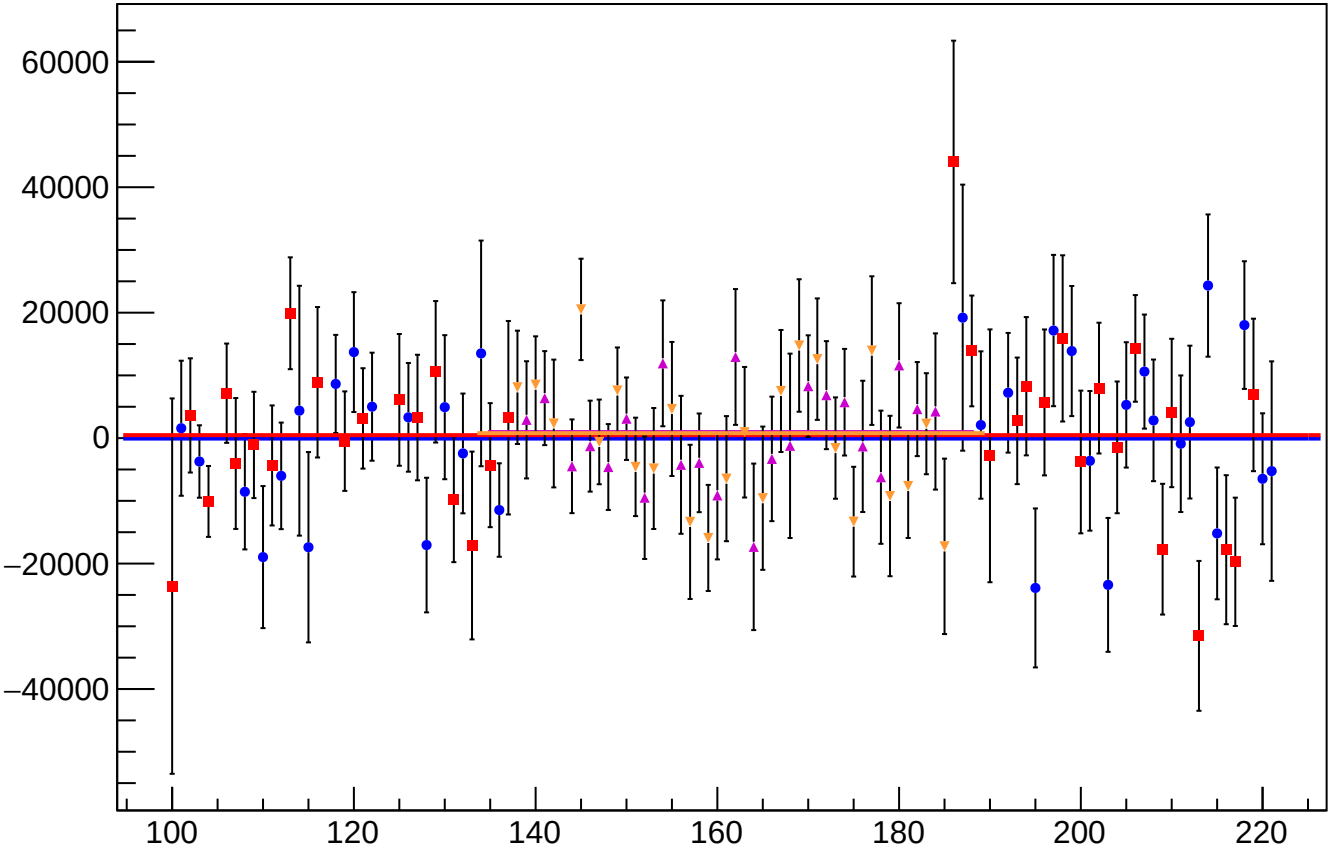
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 5780.693+/-0.744 χ^2/NDF: 19666904.5/57

All: 6487.163+/-0.568 χ^2/NDF: 27998203.2/1

- sign 7473.920+/-0.879 χ^2/NDF: 6169407.4/57

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -71.972+/-1746.086 χ^2/NDF: 41.2/33

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 473.416+/-1722.581 χ^2/NDF: 44.4/34

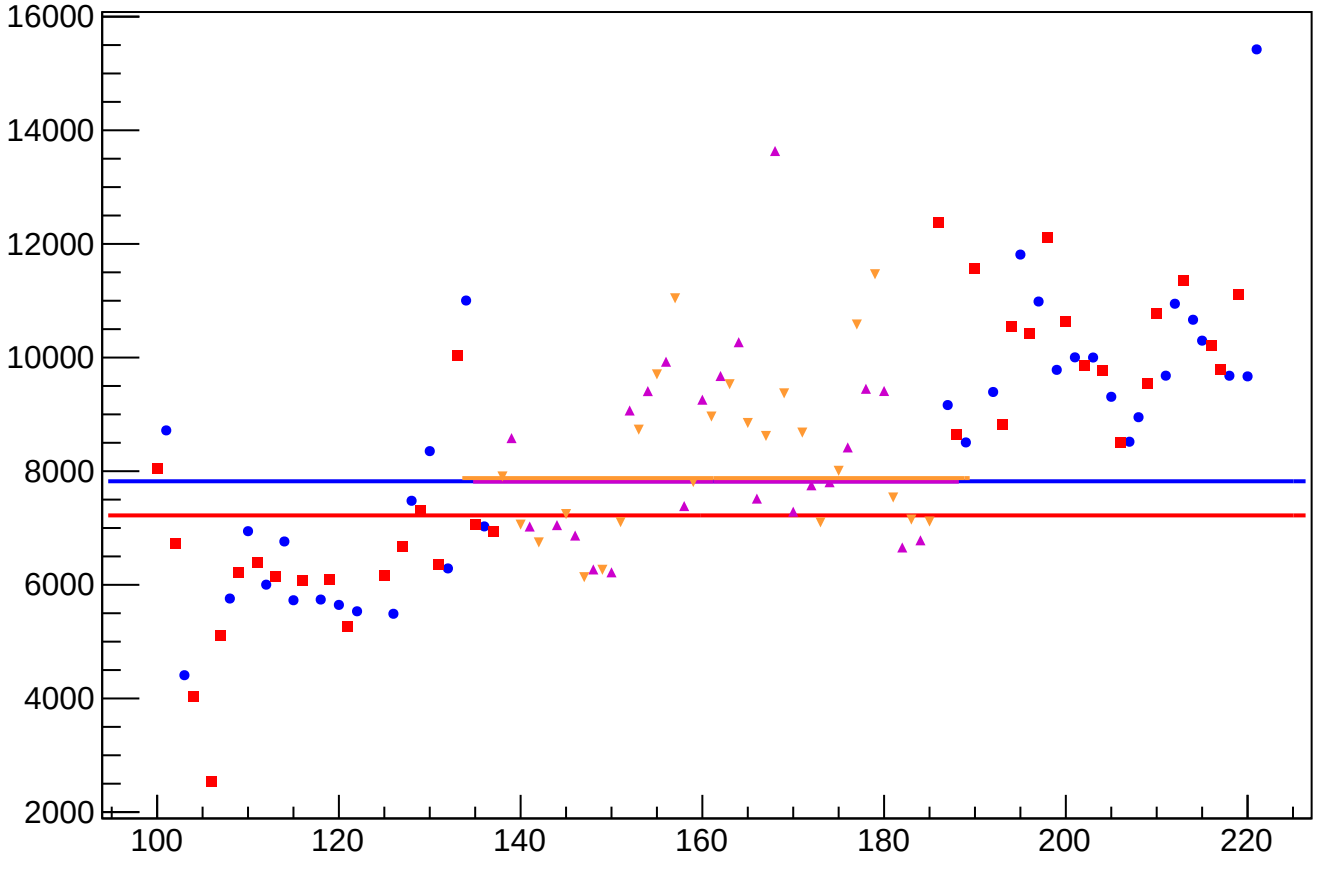
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 331.225+/-1274.672 χ^2/NDF: 68.5/57

All: 517.145+/-897.467 χ^2/NDF: 125.8/115

- sign 699.913+/-1263.817 χ^2/NDF: 57.2/57

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7822.712+/-1.235 χ^2/NDF: 3288713.4/33

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

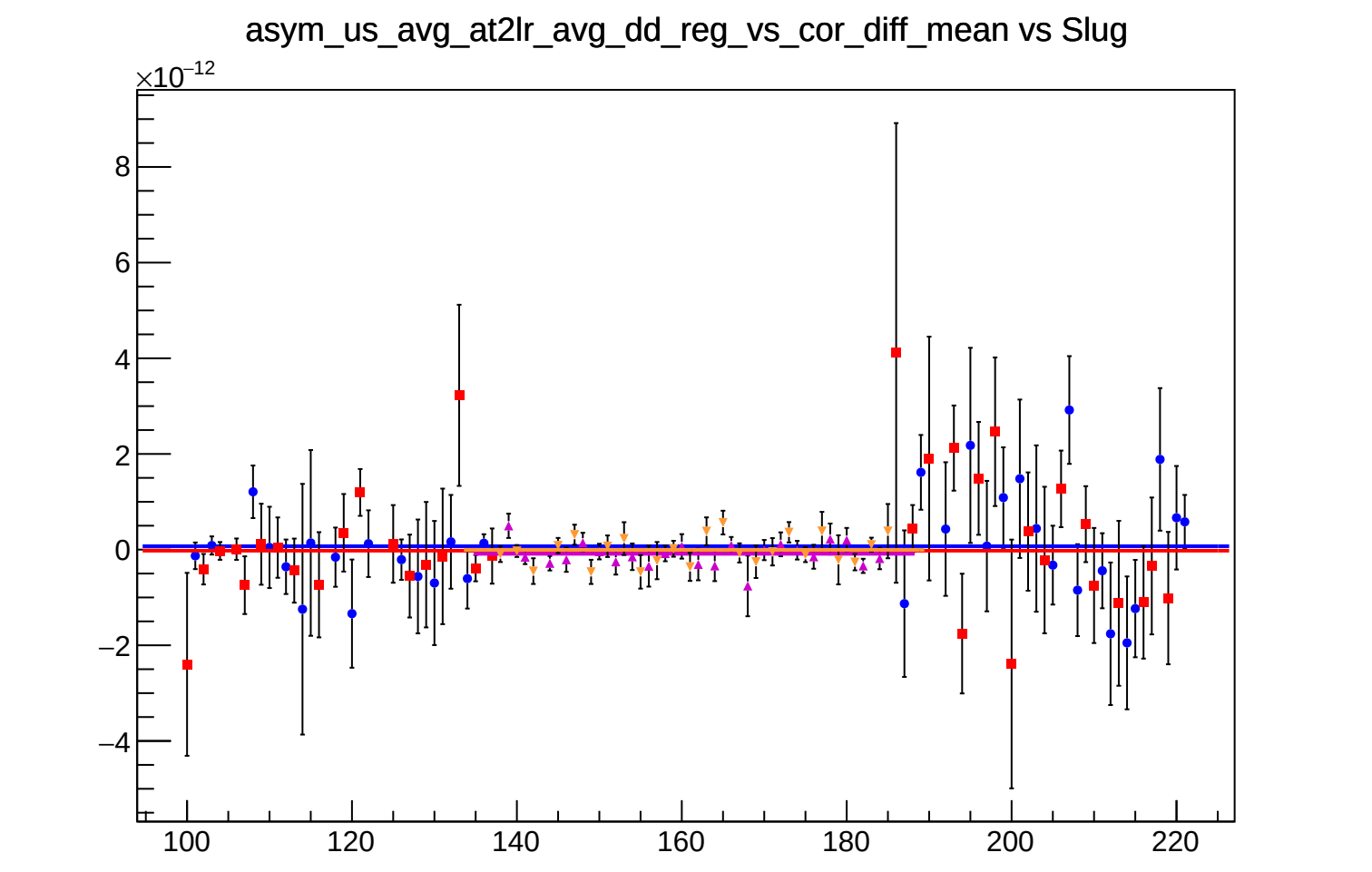
Right Out: 7221.894+/-1.191 χ^2/NDF: 4848985.3/34

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7848.761+/-0.901 χ^2/NDF: 4279724.9/57

All: 7665.620+/-0.631 χ^2/NDF: 10454240.8/1

- sign 7489.872+/-0.883 χ^2/NDF: 6093610.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

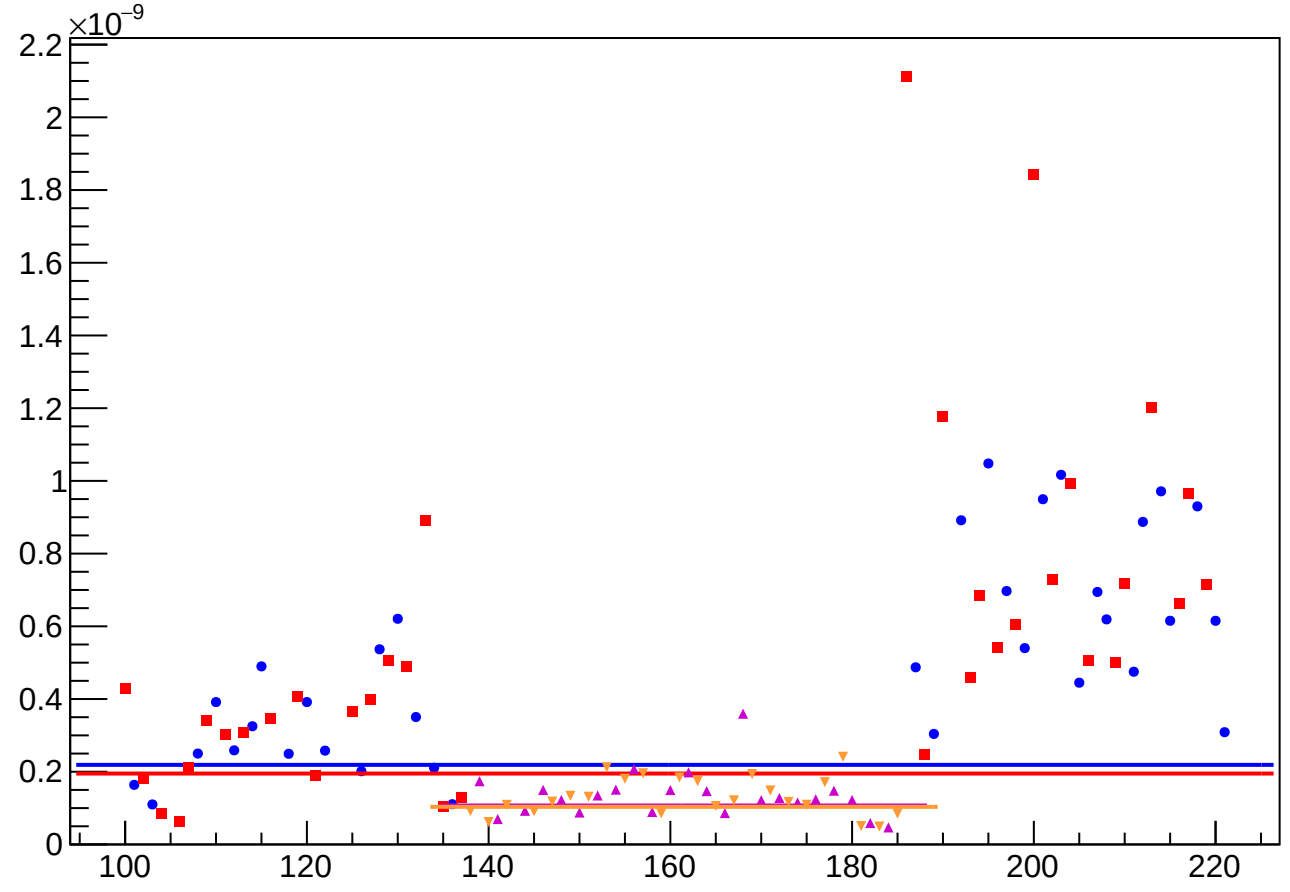
Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/34

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/57

All: -0.000+/-0.000 χ^2/NDF: 121.2/115

- sign -0.000+/-0.000 χ^2/NDF: 57.0/57



Right In: 0.000+/-0.000 χ^2/NDF: 7225827.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

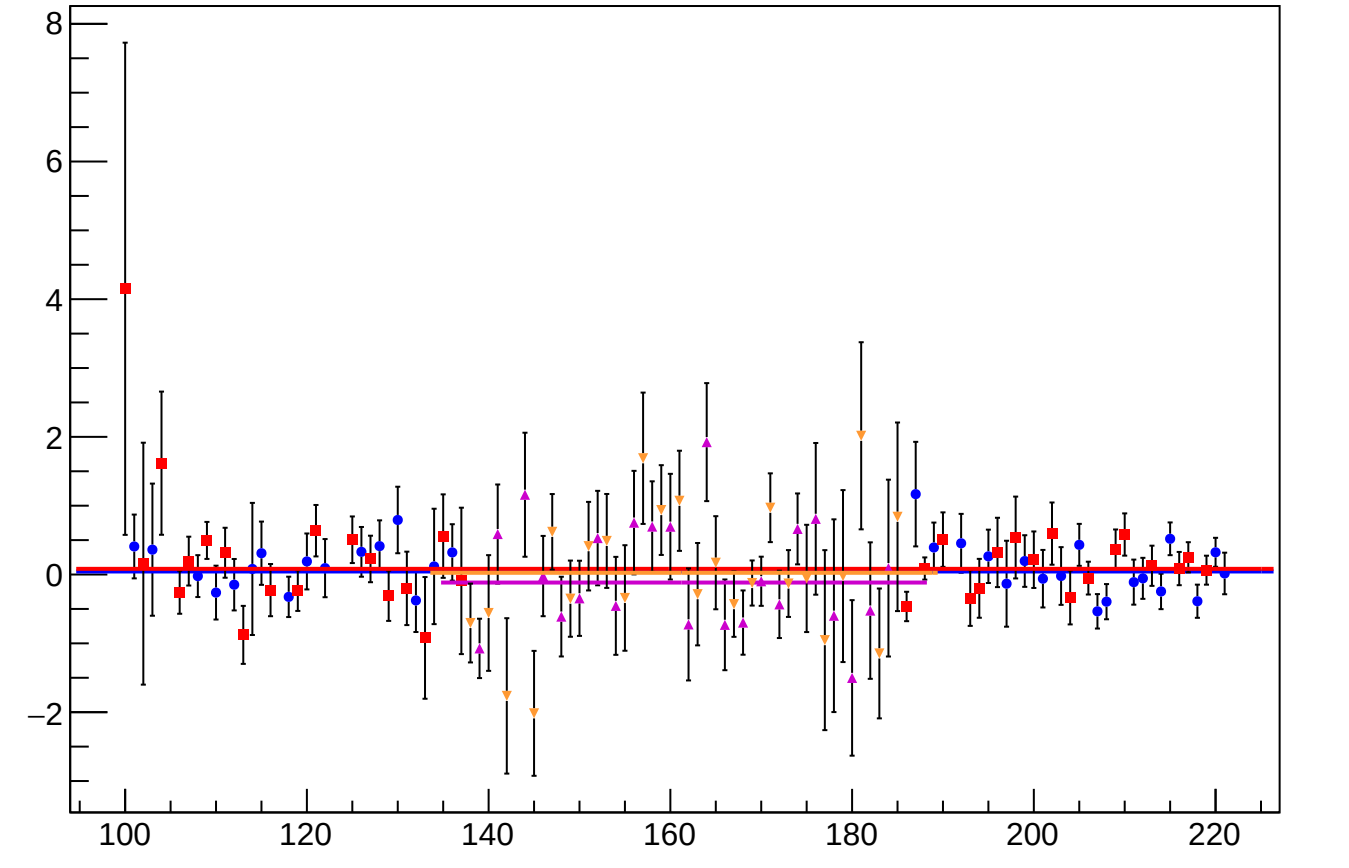
Right Out: 0.000+/-0.000 χ^2/NDF: 8700412.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11532135.8/57

All: 0.000+/-0.000 χ^2/NDF: 23210171.1/115

- sign 0.000+/-0.000 χ^2/NDF: 11677842.9/57



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

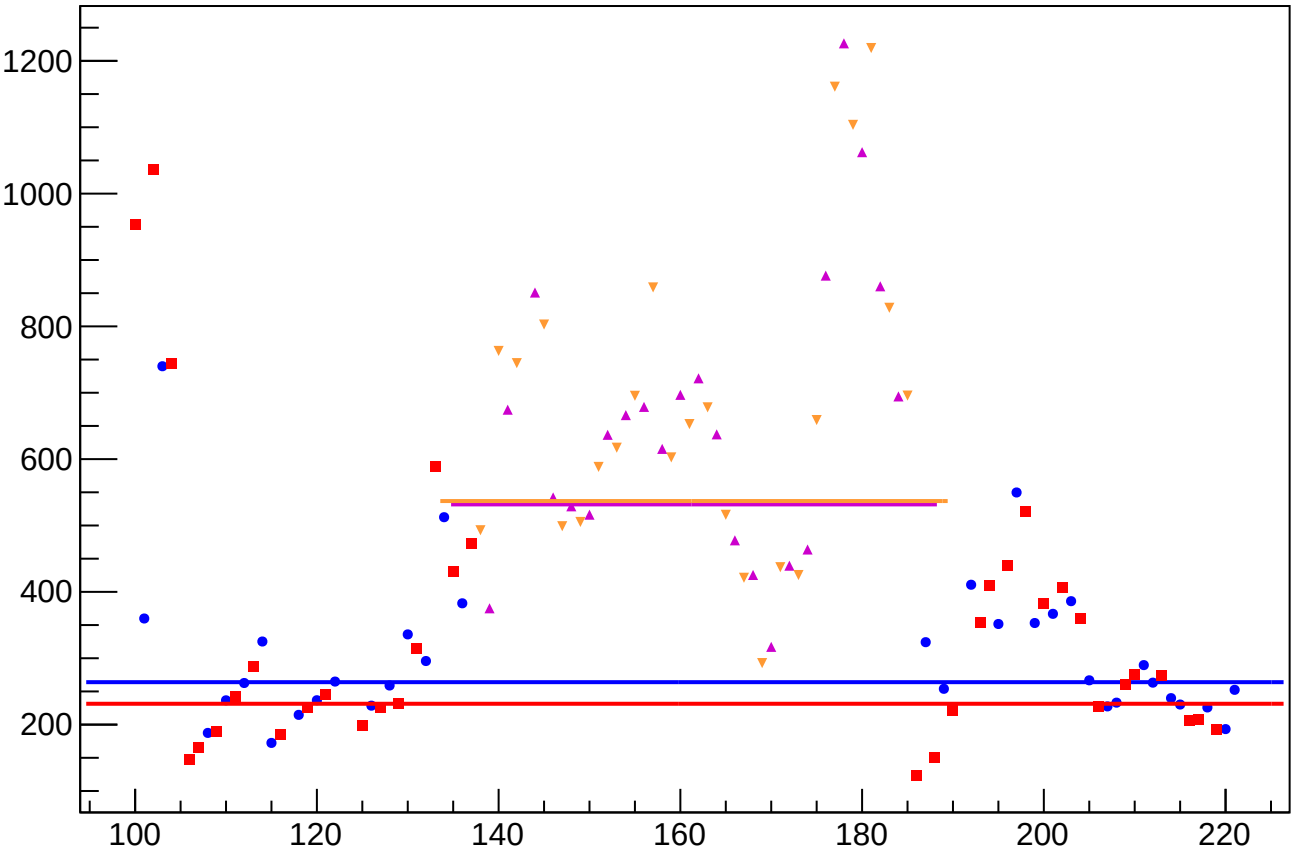
Right Out: 0.083+/-0.056 χ^2/NDF: 39.0/34

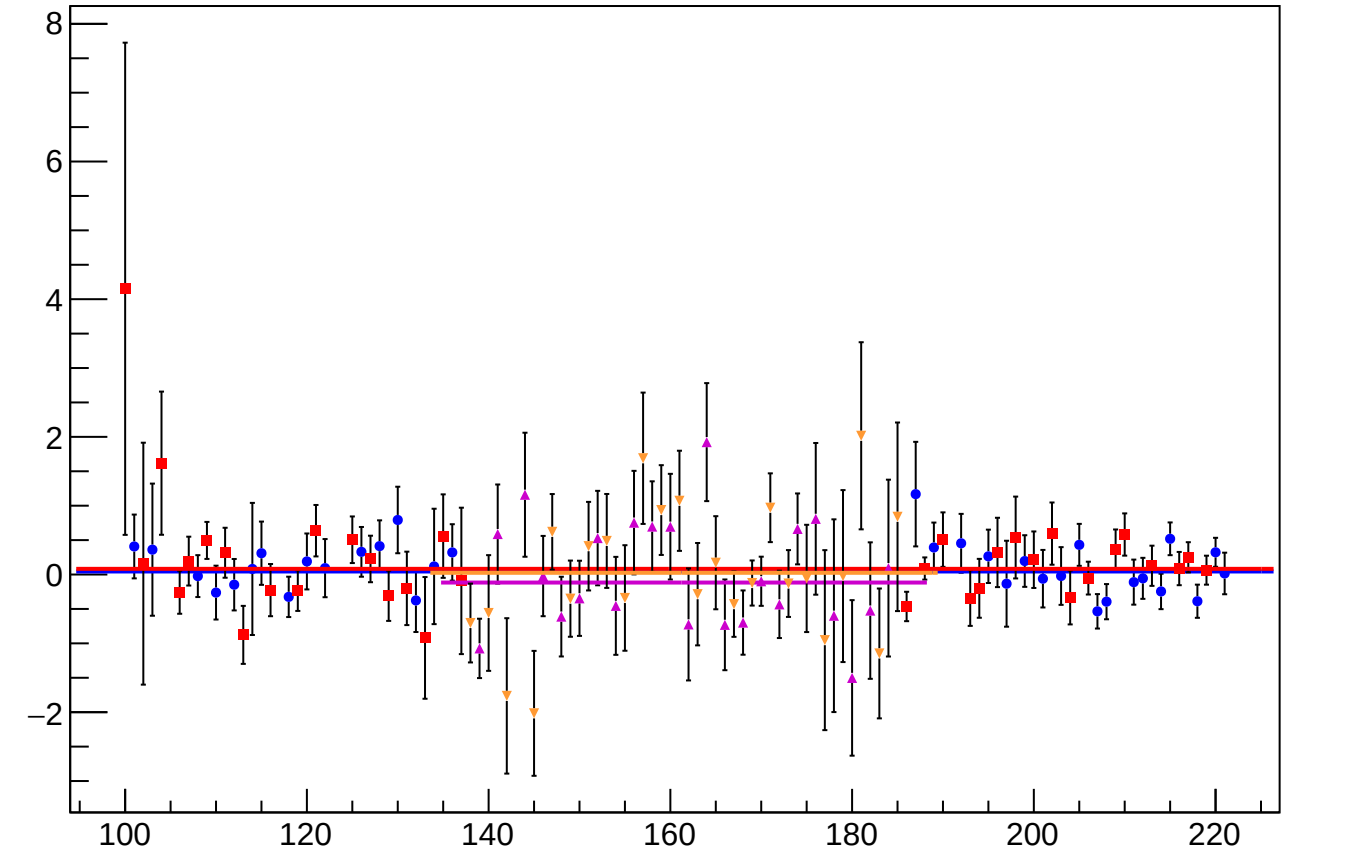
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.047+/-0.037 χ^2/NDF: 132.0/115

- sign 0.052+/-0.051 χ^2/NDF: 68.7/57


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 263.956+/-0.042 χ²/NDF: 2879693.4/33
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 231.422+/-0.039 χ²/NDF: 5406494.3/34
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 309.330+/-0.039 χ²/NDF: 13760044.8/57
All: 292.053+/-0.026 χ²/NDF: 31656300.8/11
- sign 276.731+/-0.036 χ²/NDF: 17518839.6/57



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

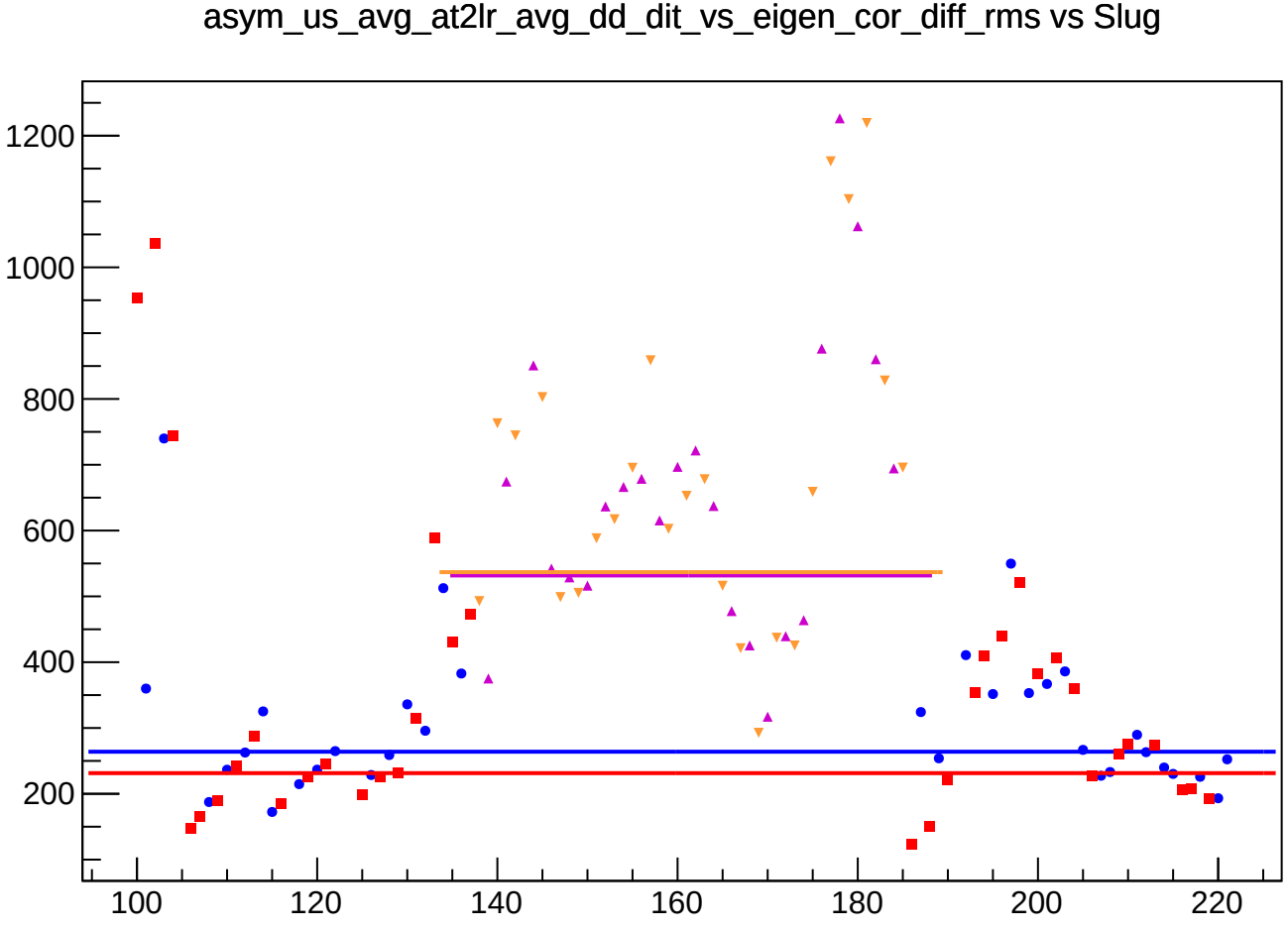
Right Out: 0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.047+/-0.037 χ^2/NDF: 132.0/115

\- sign 0.052+/-0.051 χ^2/NDF: 68.7/57


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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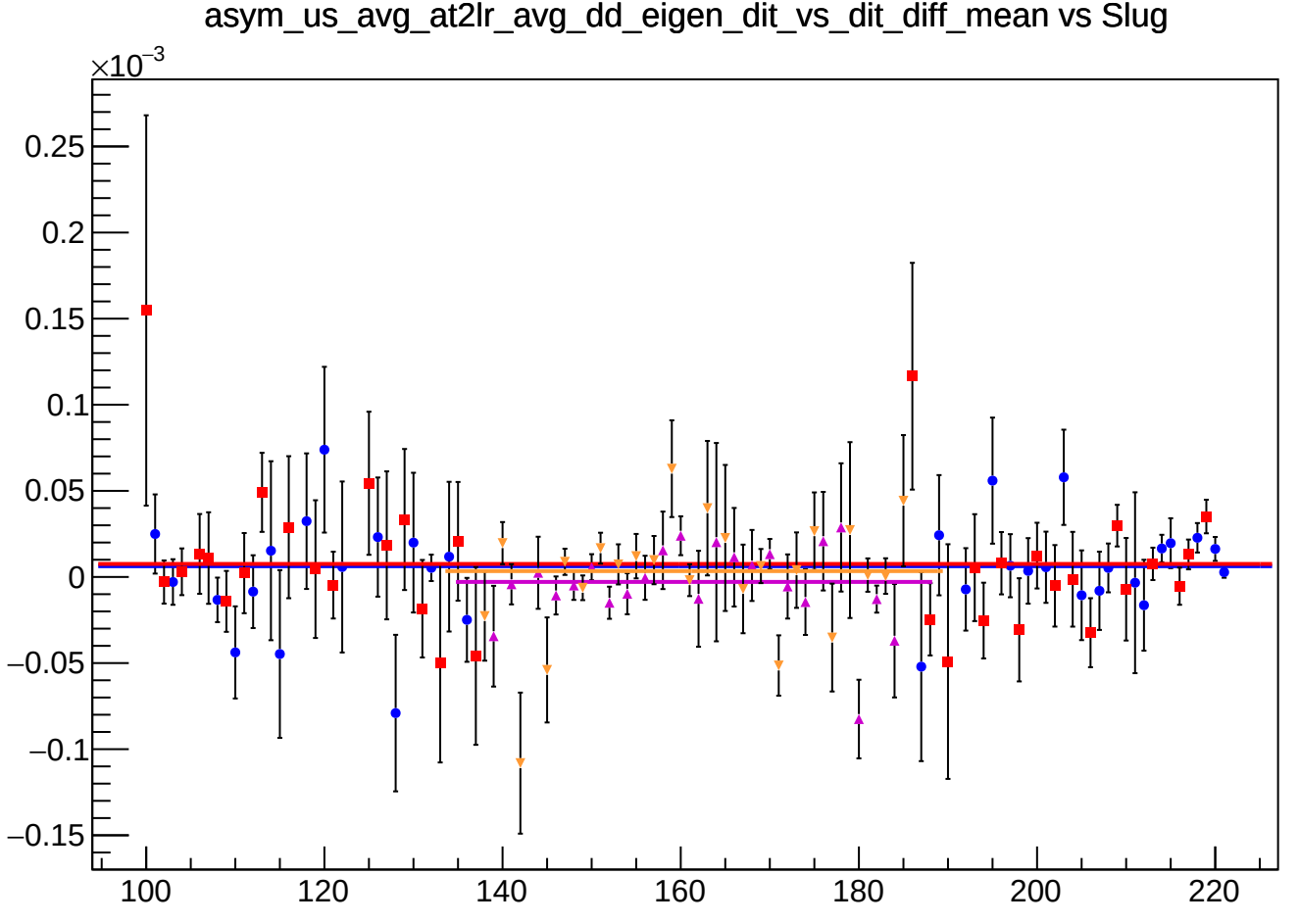
600
400
200
100
120
140
160
180
200
220
Right In: 263.956+/-0.042 χ²/NDF: 2879693.4/33
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 231.422+/-0.039 χ²/NDF: 5406494.3/34
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 309.330+/-0.039 χ²/NDF: 13760044.8/57
All: 292.053+/-0.026 χ²/NDF: 31656300.8/11
- sign 276.731+/-0.036 χ²/NDF: 17518839.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 34.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

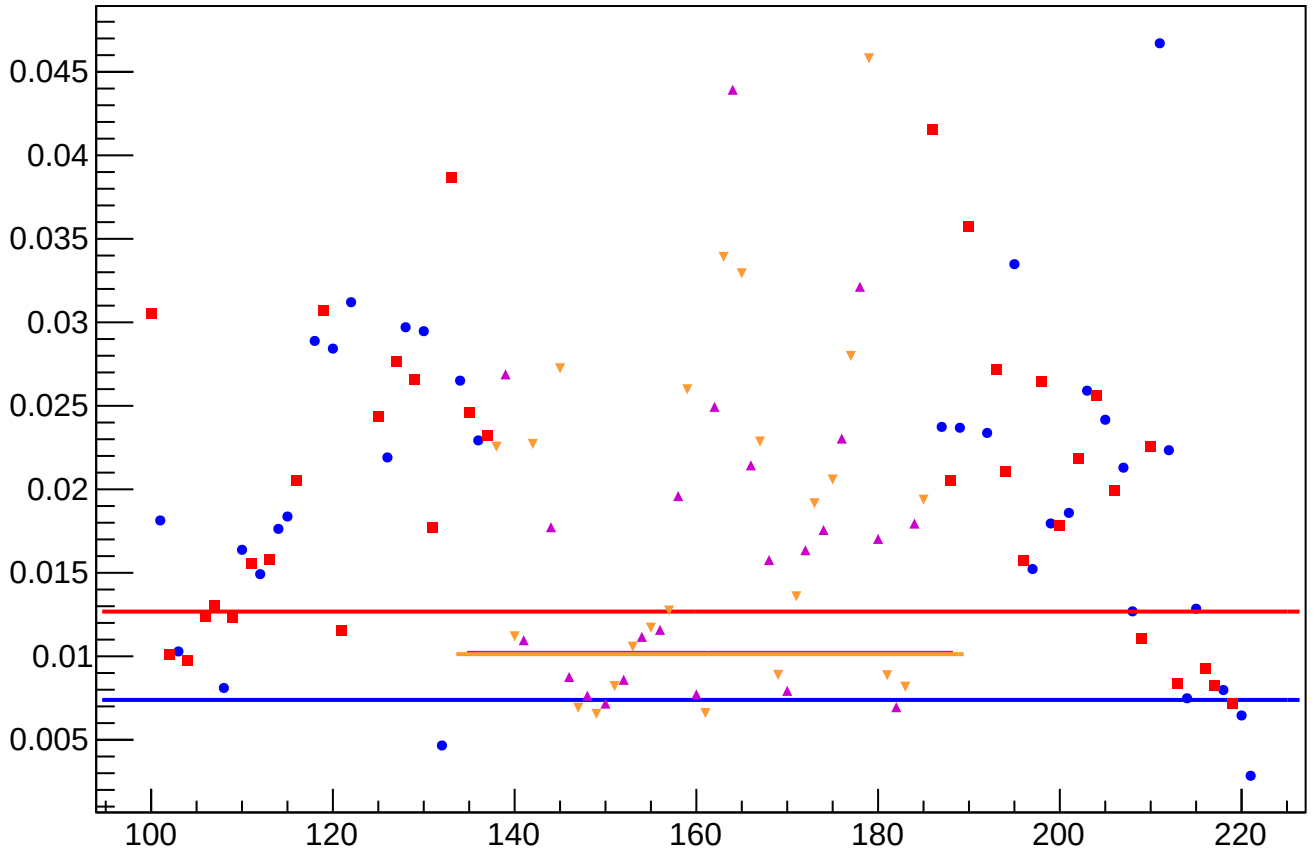
Right Out: 0.000+/-0.000 χ^2/NDF: 40.4/34

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/57

All: 0.000+/-0.000 χ^2/NDF: 154.8/115

- sign 0.000+/-0.000 χ^2/NDF: 78.8/57



Right In: 0.007+/-0.000 χ^2/NDF: 18431605.1/33

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.013+/-0.000 χ^2/NDF: 7488486.5/34

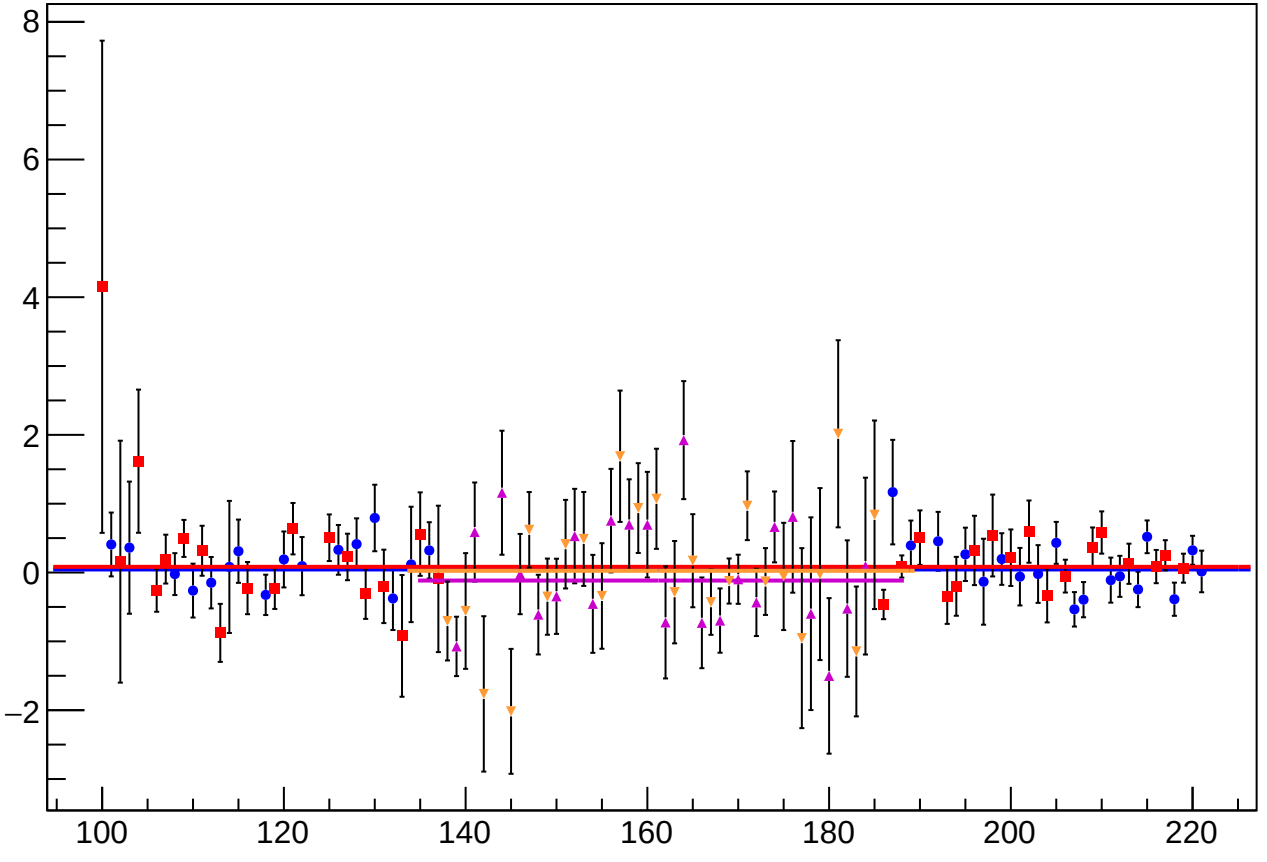
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 27477147.8/57

All: 0.010+/-0.000 χ^2/NDF: 43988050.0/115

- sign 0.011+/-0.000 χ^2/NDF: 14257005.5/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

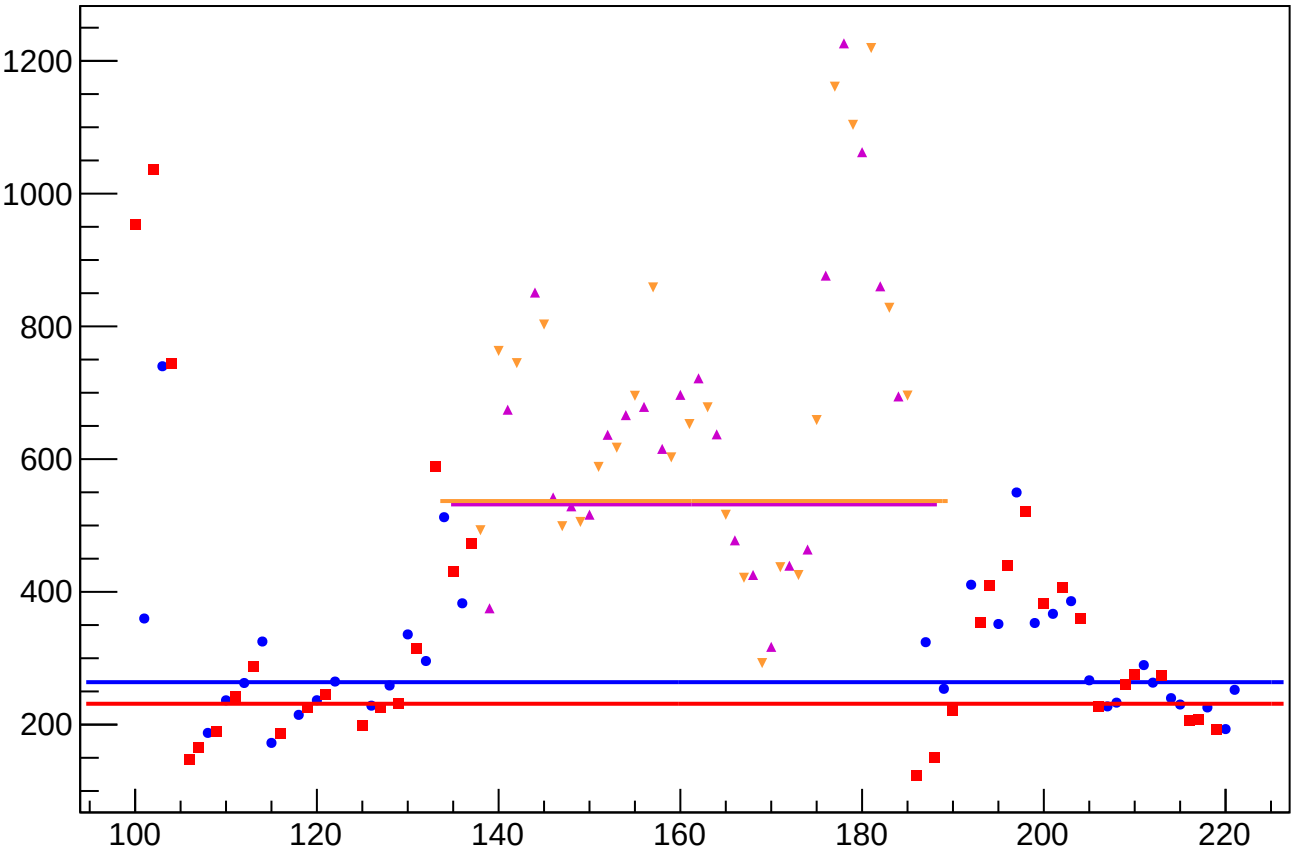
Right Out: 0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.047+/-0.037 χ^2/NDF: 132.0/115

- sign 0.052+/-0.051 χ^2/NDF: 68.7/57



Right In: 263.955+/-0.042 χ^2/NDF: 2879703.6/33

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

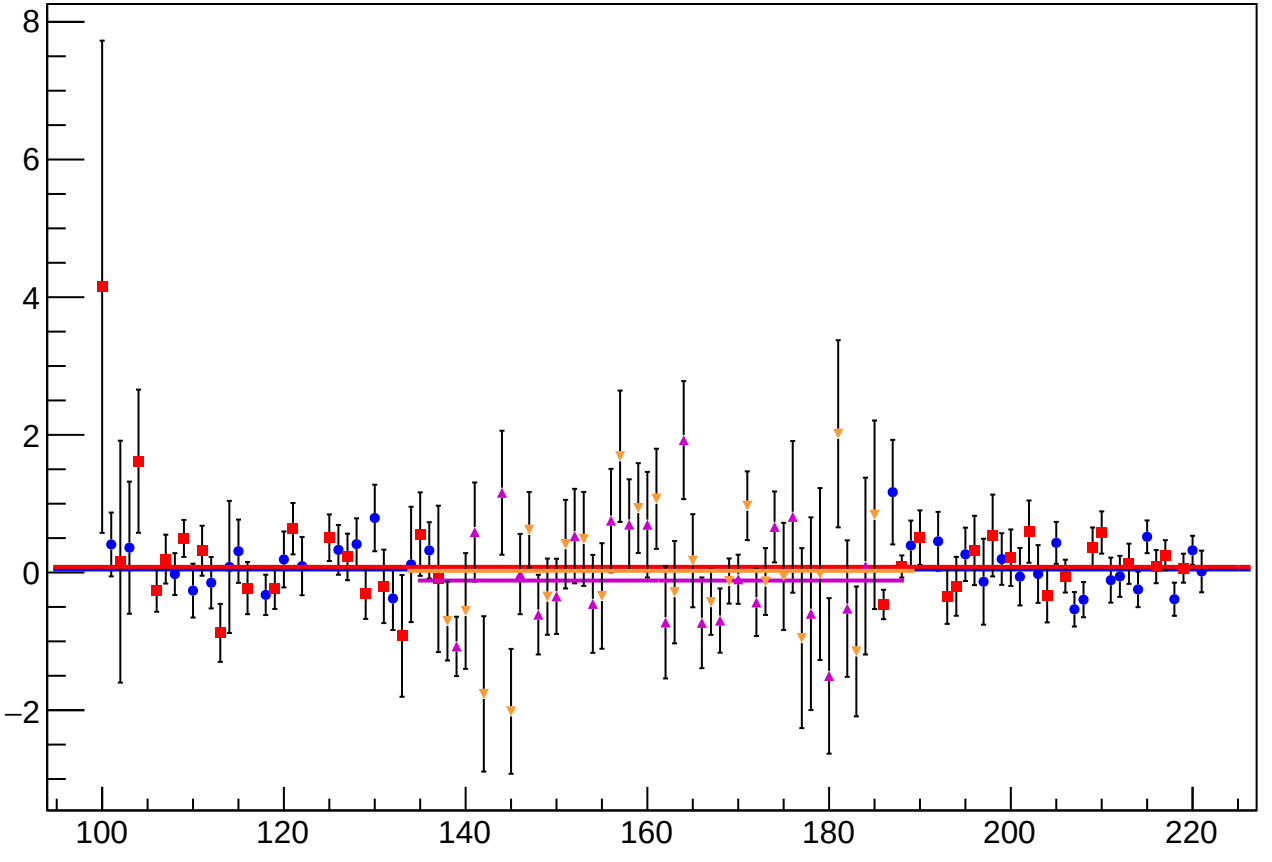
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 309.329+/-0.039 χ^2/NDF: 13760273.4/57

All: 292.052+/-0.026 χ^2/NDF: 31656846.1/11

- sign 276.730+/-0.036 χ^2/NDF: 17519153.4/57

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.060 χ^2/NDF: 34.2/33

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

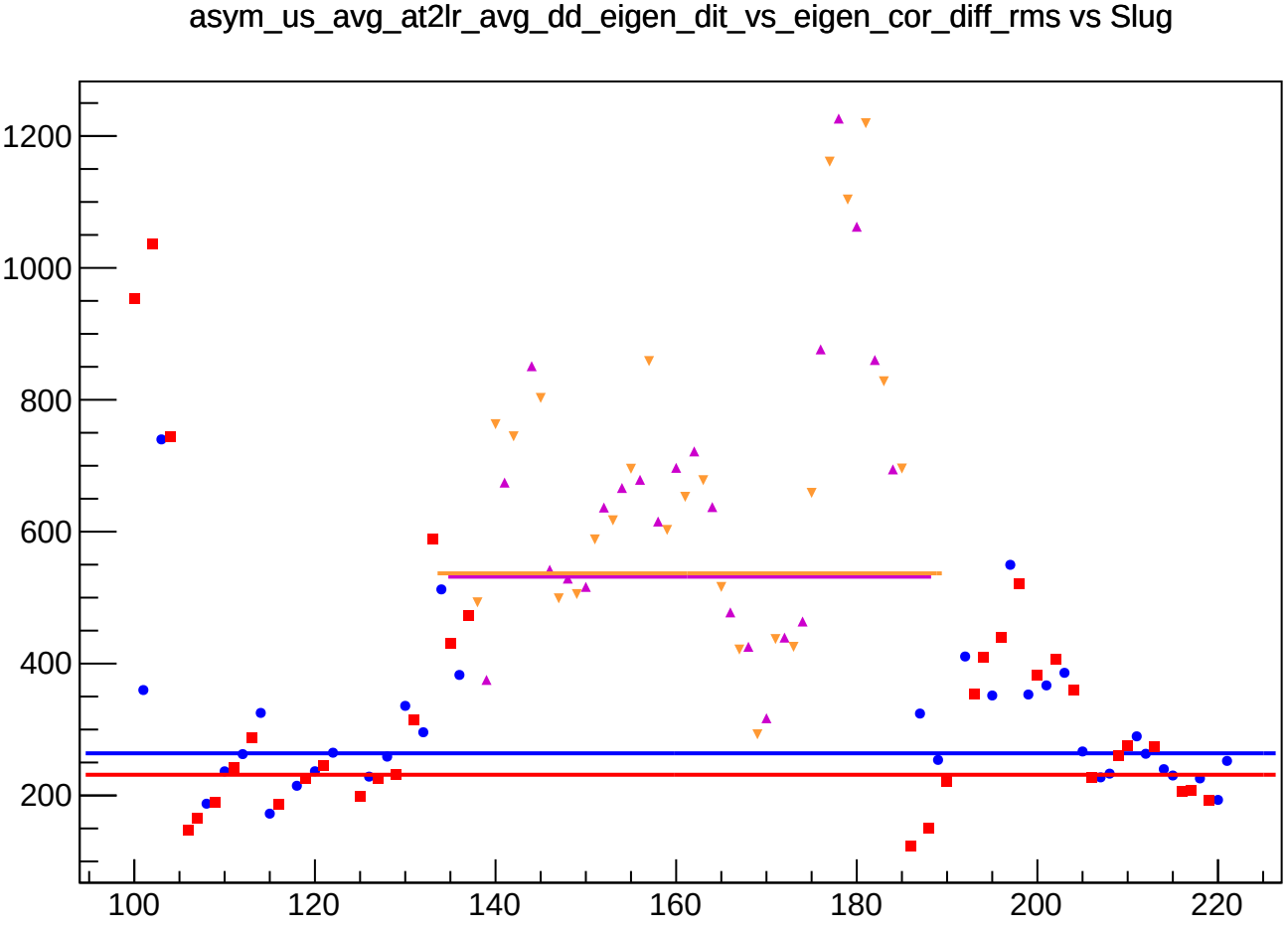
Right Out: 0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.041+/-0.055 χ^2/NDF: 63.3/57

All: 0.047+/-0.037 χ^2/NDF: 132.0/115

- sign 0.052+/-0.051 χ^2/NDF: 68.7/57



Right In: 263.955+/-0.042 χ^2/NDF: 2879703.6/33

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

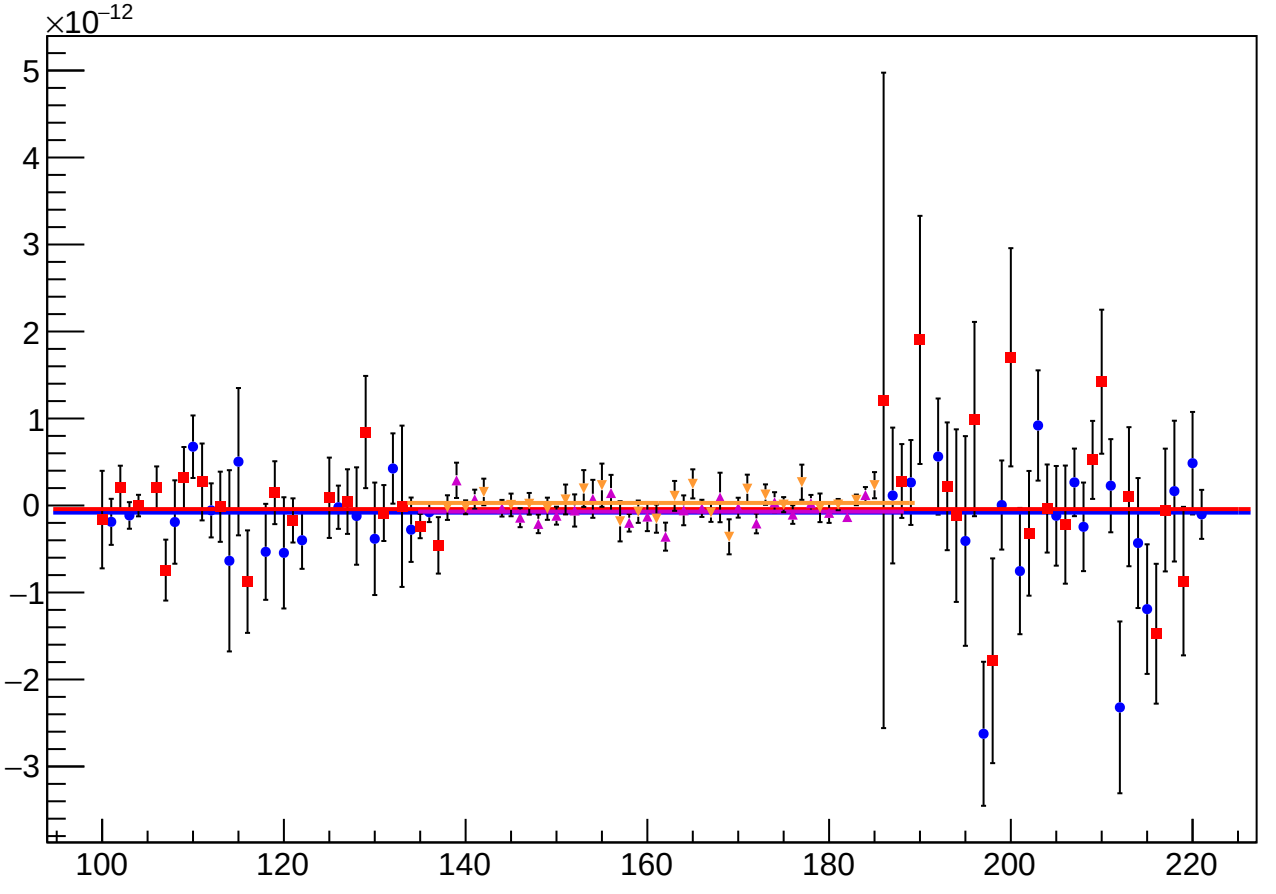
Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 309.329+/-0.039 χ^2/NDF: 13760273.4/57

All: 292.052+/-0.026 χ^2/NDF: 31656846.1/11

- sign 276.730+/-0.036 χ^2/NDF: 17519153.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

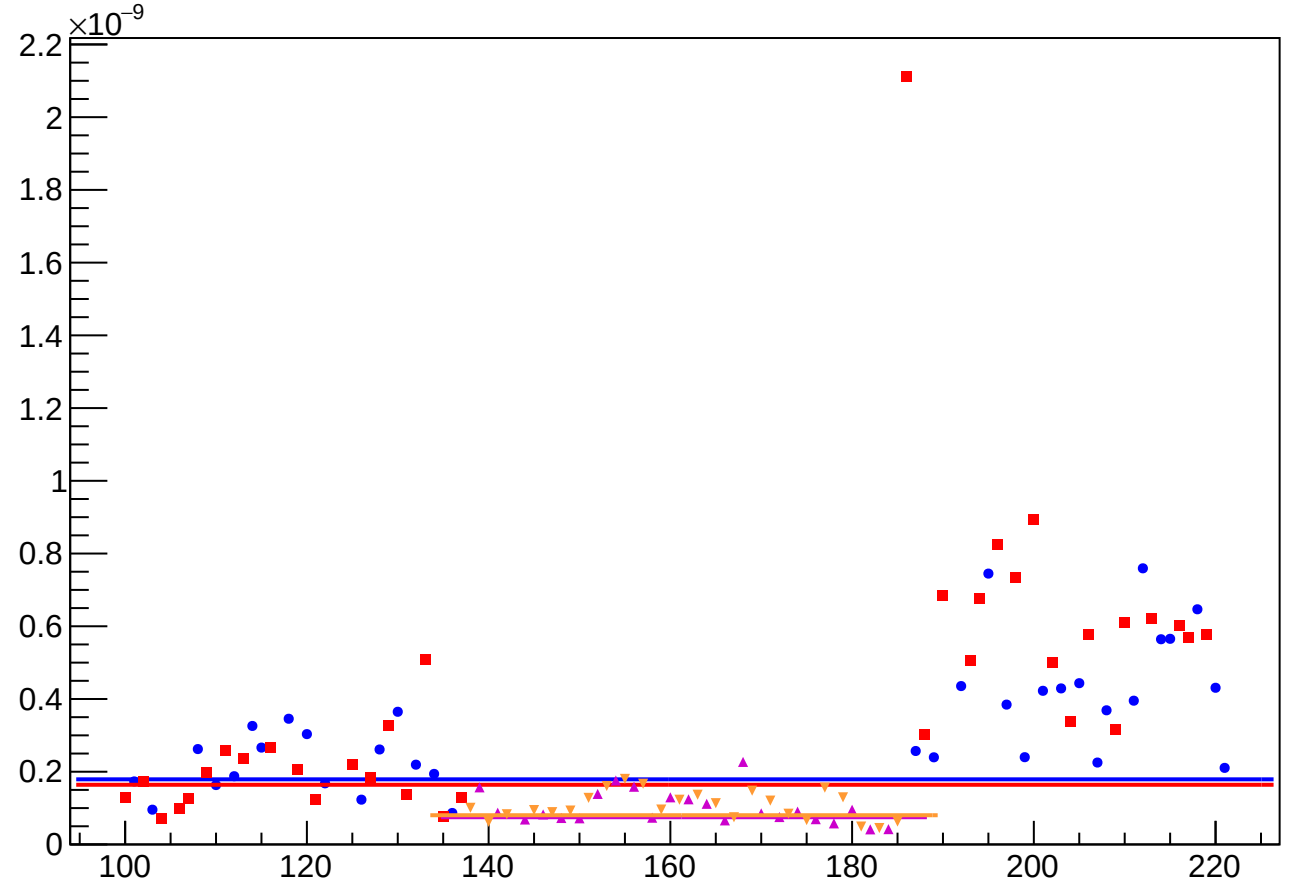
Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/34

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/57

All: -0.000+/-0.000 χ^2/NDF: 117.3/115

- sign -0.000+/-0.000 χ^2/NDF: 56.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 8005016.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11280491.8/34

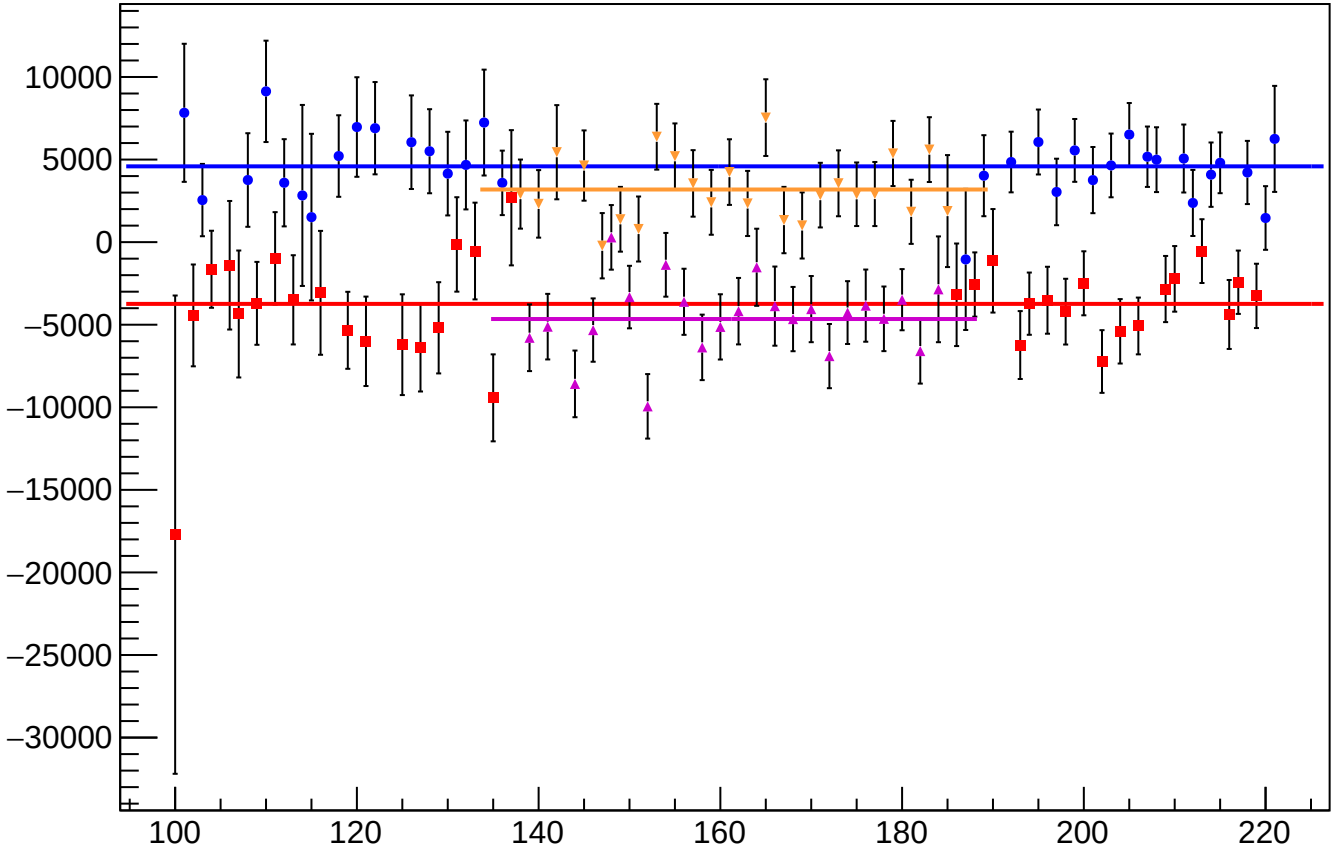
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16223763.5/57

All: 0.000+/-0.000 χ^2/NDF: 35070927.4/115

- sign 0.000+/-0.000 χ^2/NDF: 18728191.5/57

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4589.173+/-395.900 χ^2/NDF: 16.0/33

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3739.195+/-400.638 χ^2/NDF: 28.1/34

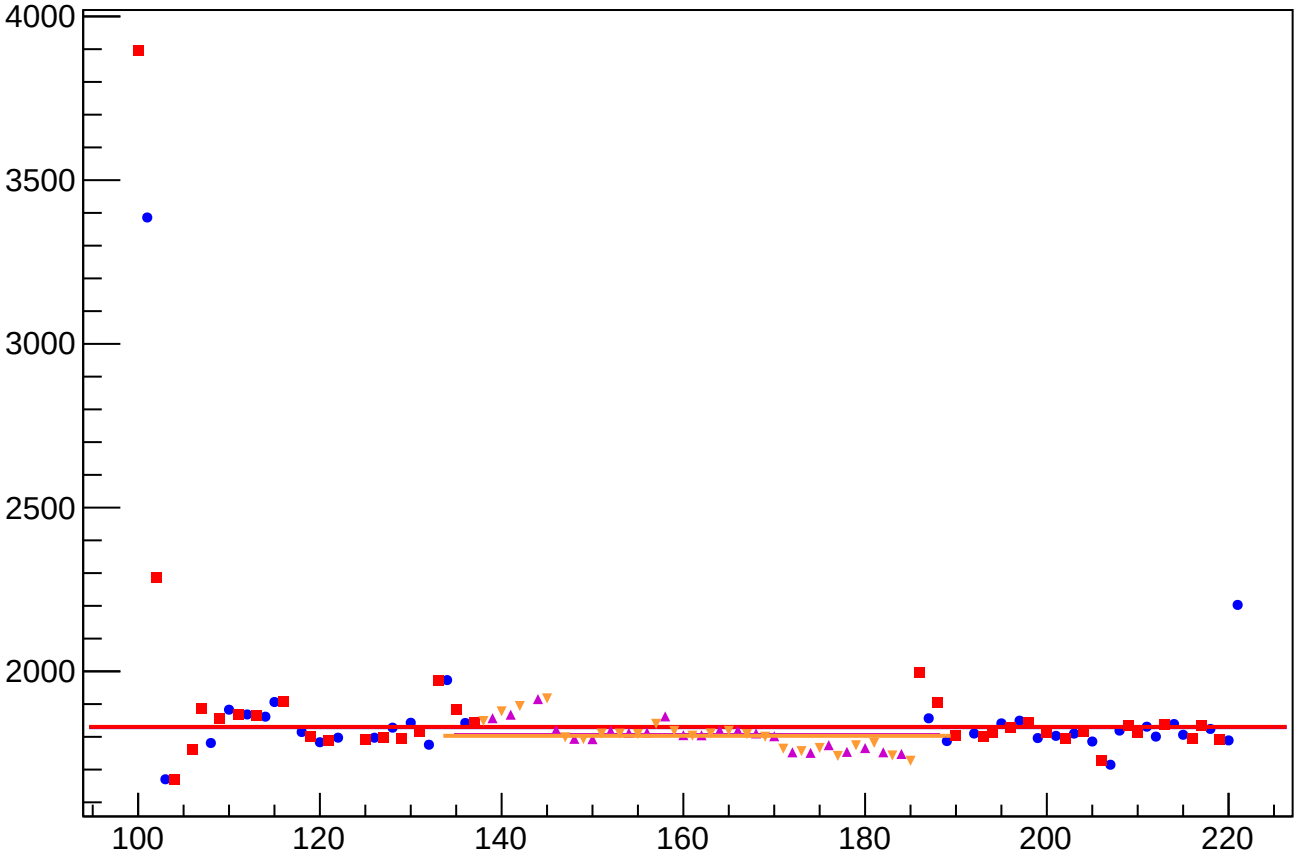
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3927.224+/-287.640 χ^2/NDF: 41.7/57

All: -83.874+/-204.379 χ^2/NDF: 492.8/115

- sign -4173.764+/-290.452 χ^2/NDF: 58.3/57

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1829.594+/-0.280 χ^2/NDF: 336067.5/33

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

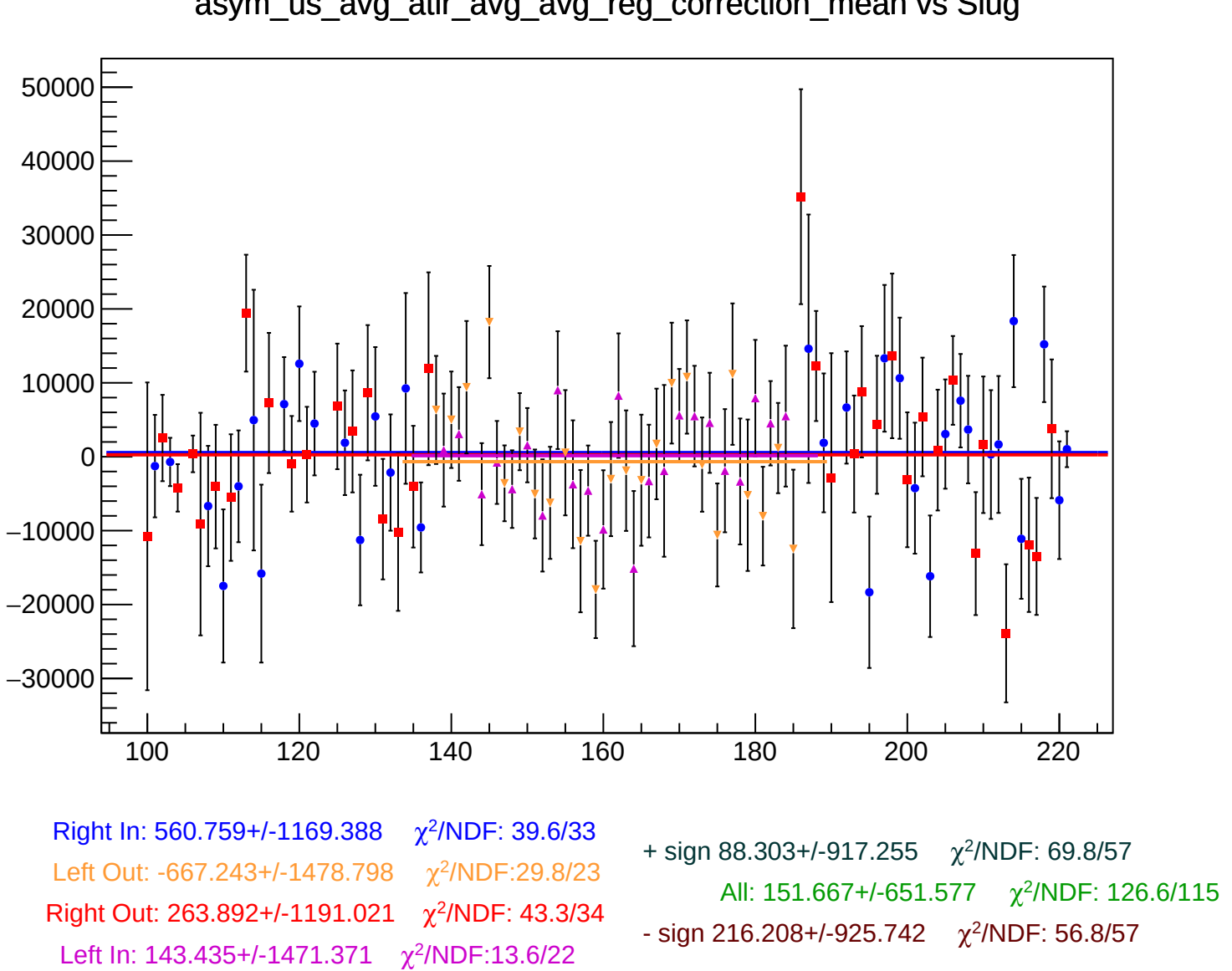
Right Out: 1830.303+/-0.283 χ^2/NDF: 123039.6/34

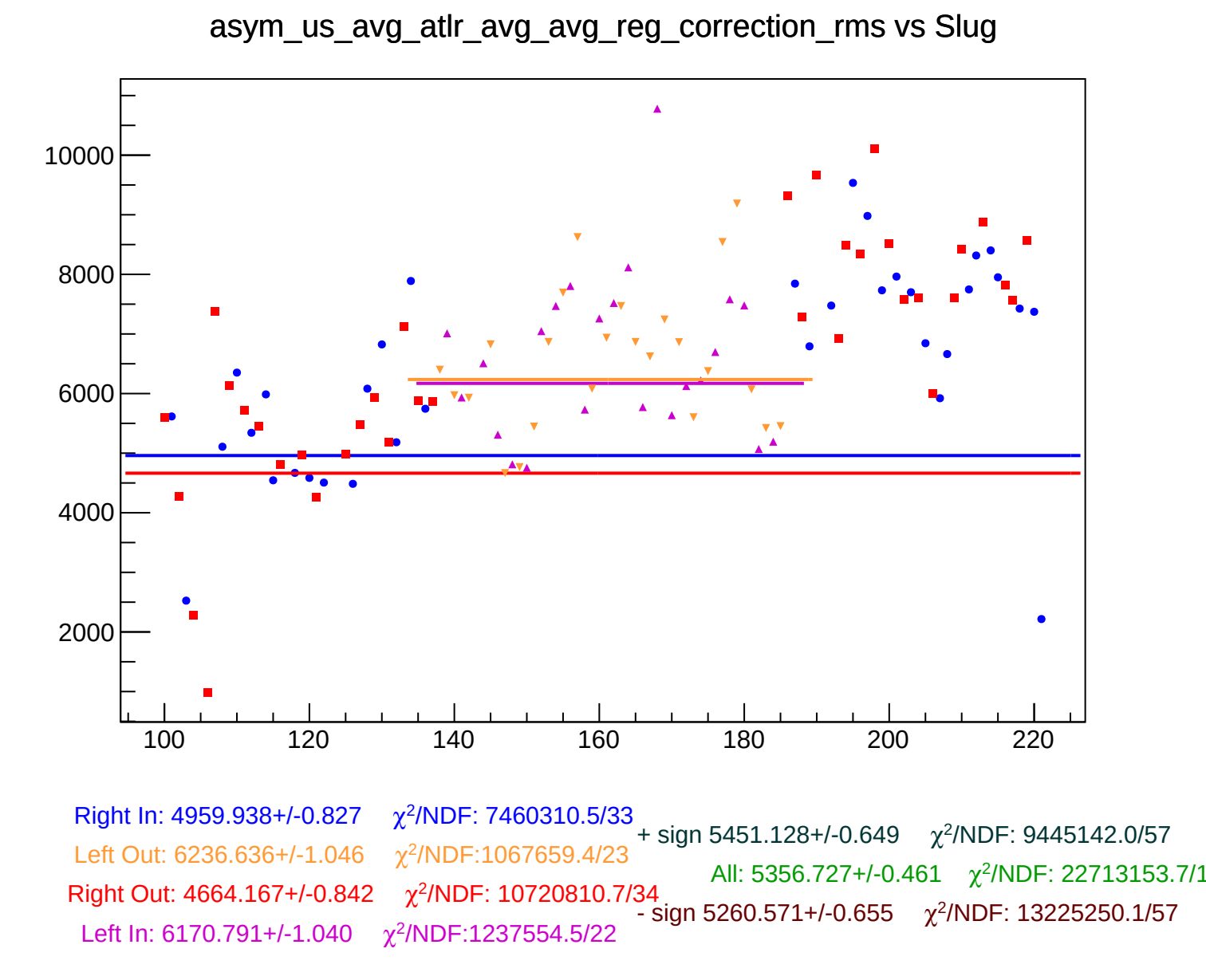
Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1817.093+/-0.203 χ^2/NDF: 360932.9/57

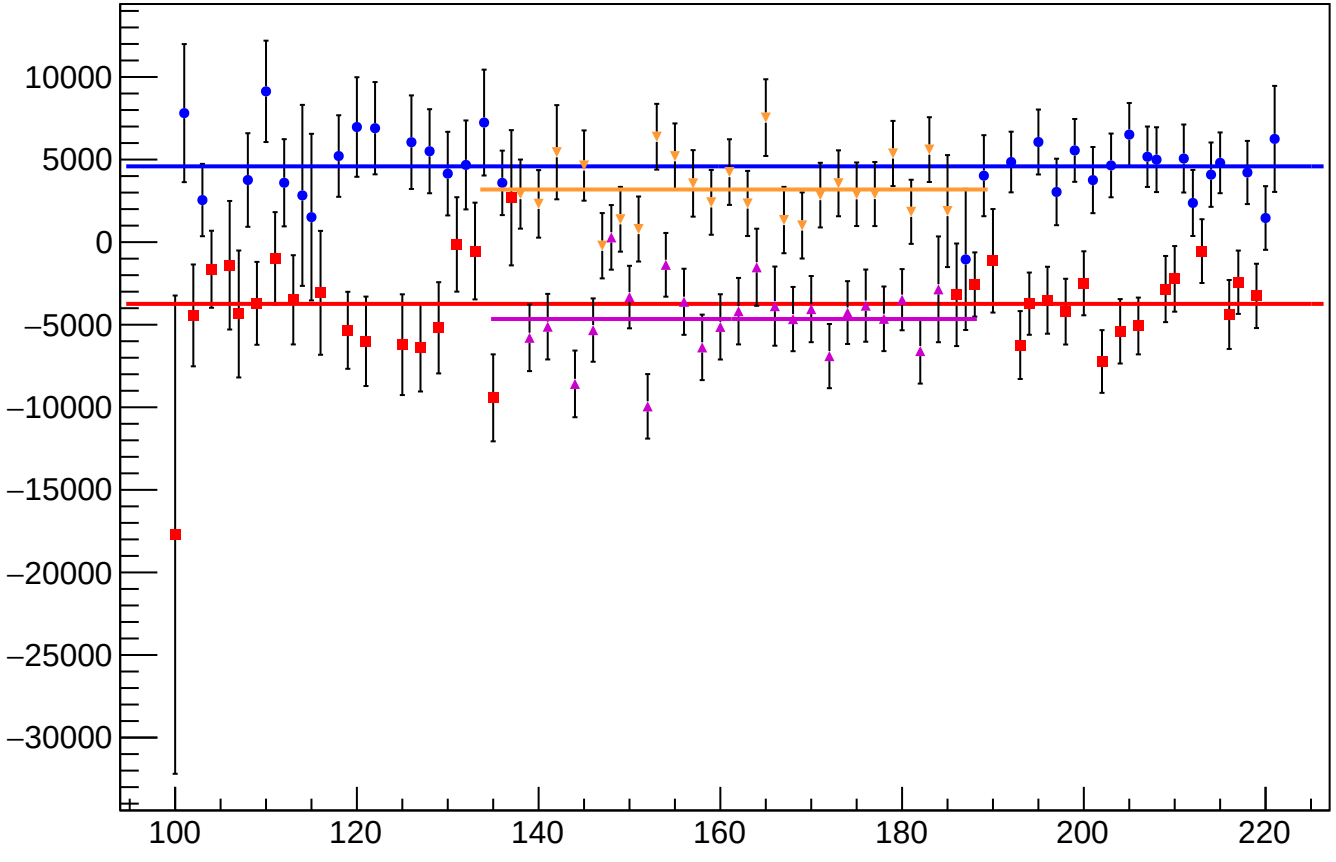
All: 1817.828+/-0.144 χ^2/NDF: 506936.4/115

- sign 1818.576+/-0.205 χ^2/NDF: 145977.2/57


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 560.759+/-1169.388 χ²/NDF: 39.6/33
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: 263.892+/-1191.021 χ²/NDF: 43.3/34
Left In: 143.435+/-1471.371 χ²/NDF:13.6/22
+ sign 88.303+/-917.255 χ²/NDF: 69.8/57
All: 151.667+/-651.577 χ²/NDF: 126.6/115
- sign 216.208+/-925.742 χ²/NDF: 56.8/57


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 4959.938+/-0.827 χ²/NDF: 7460310.5/33
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4664.167+/-0.842 χ²/NDF: 10720810.7/34
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
+ sign 5451.128+/-0.649 χ²/NDF: 9445142.0/57
All: 5356.727+/-0.461 χ²/NDF: 22713153.7/1
- sign 5260.571+/-0.655 χ²/NDF: 13225250.1/57

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4588.975+/-395.901 χ^2/NDF: 16.0/33

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3739.153+/-400.638 χ^2/NDF: 28.1/34

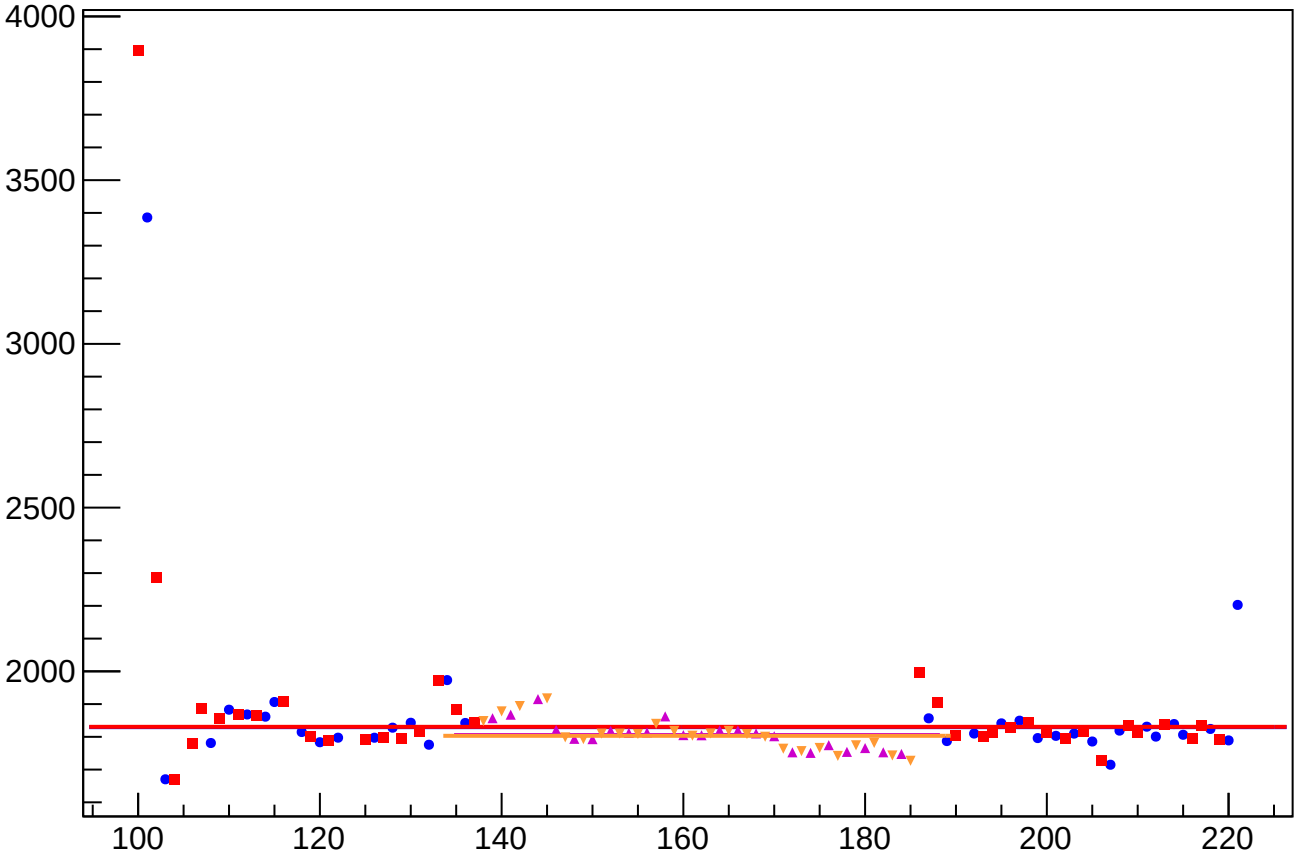
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3927.087+/-287.640 χ^2/NDF: 41.7/57

All: -83.937+/-204.379 χ^2/NDF: 492.7/115

- sign -4173.750+/-290.452 χ^2/NDF: 58.3/57

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1829.594+/-0.280 χ^2/NDF: 336069.4/33

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

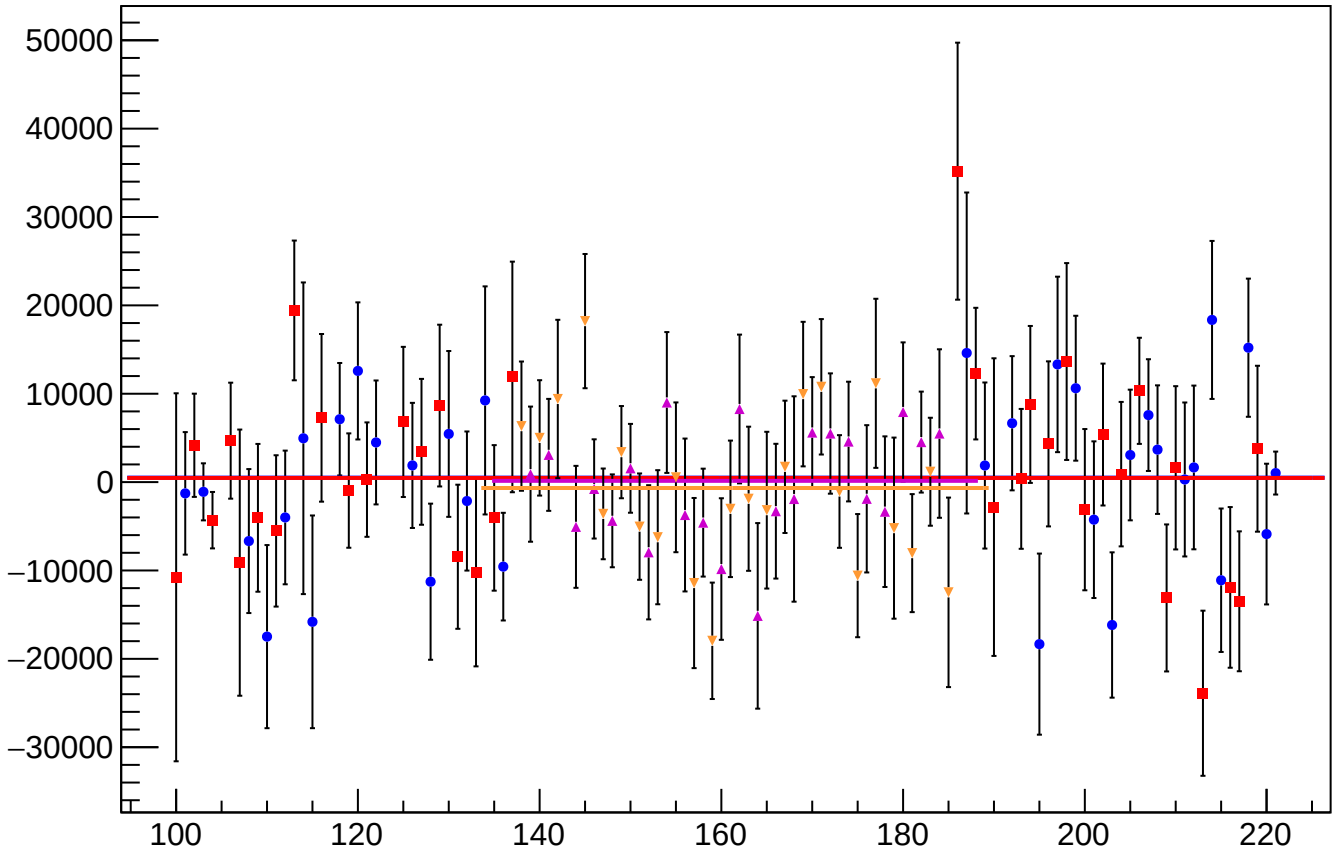
Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

\+ sign 1817.093+/-0.203 χ^2/NDF: 360934.7/57

All: 1817.887+/-0.144 χ^2/NDF: 506675.7/115

\- sign 1818.696+/-0.205 χ^2/NDF: 145710.1/57



Right In: 505.729+/-1167.567 χ^2/NDF: 39.7/33

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 470.748+/-1328.344 χ^2/NDF: 44.1/34

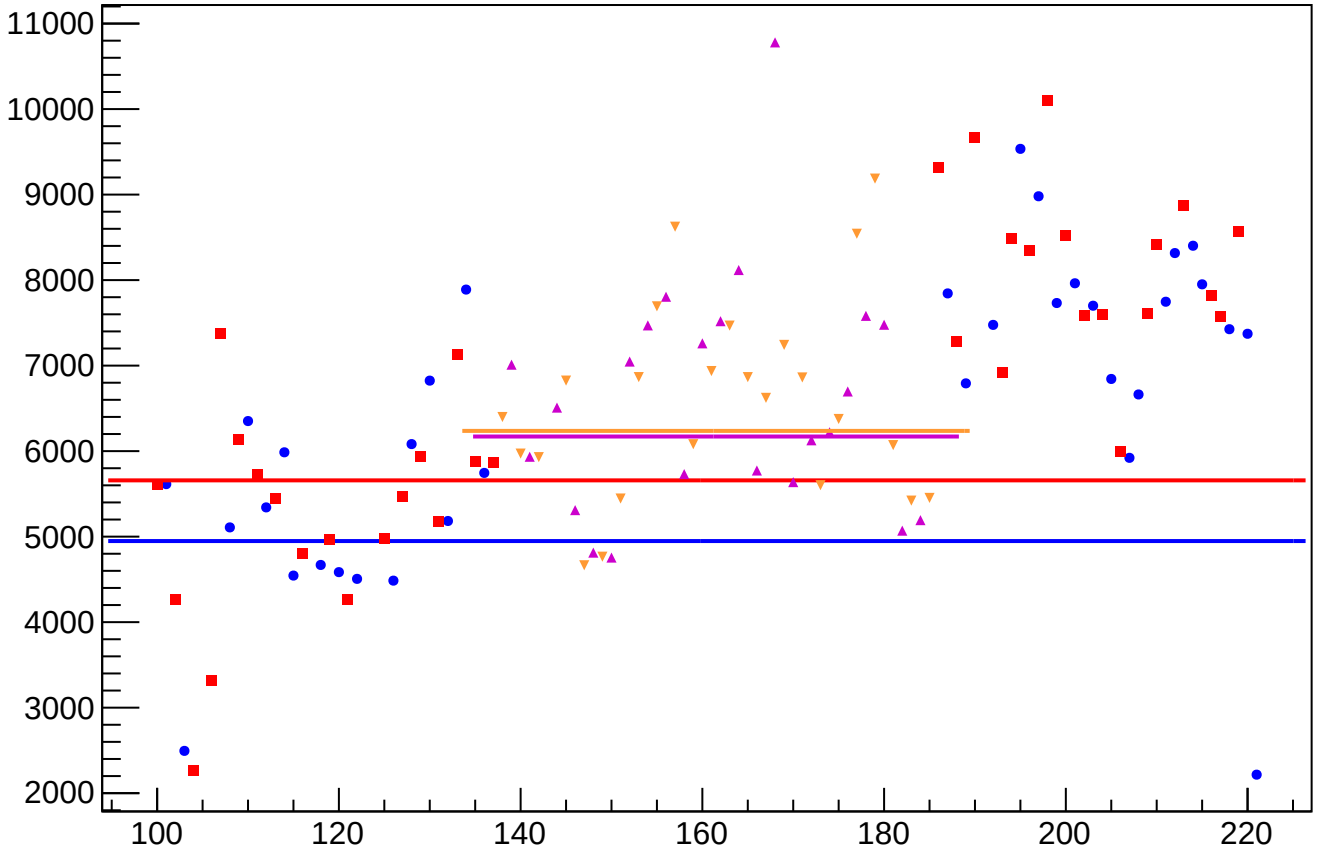
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign 55.309+/-916.375 χ^2/NDF: 69.8/57

All: 179.716+/-671.234 χ^2/NDF: 127.6/115

- sign 323.739+/-985.979 χ^2/NDF: 57.7/57

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4948.384+/-0.826 χ^2/NDF: 7515504.4/33

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

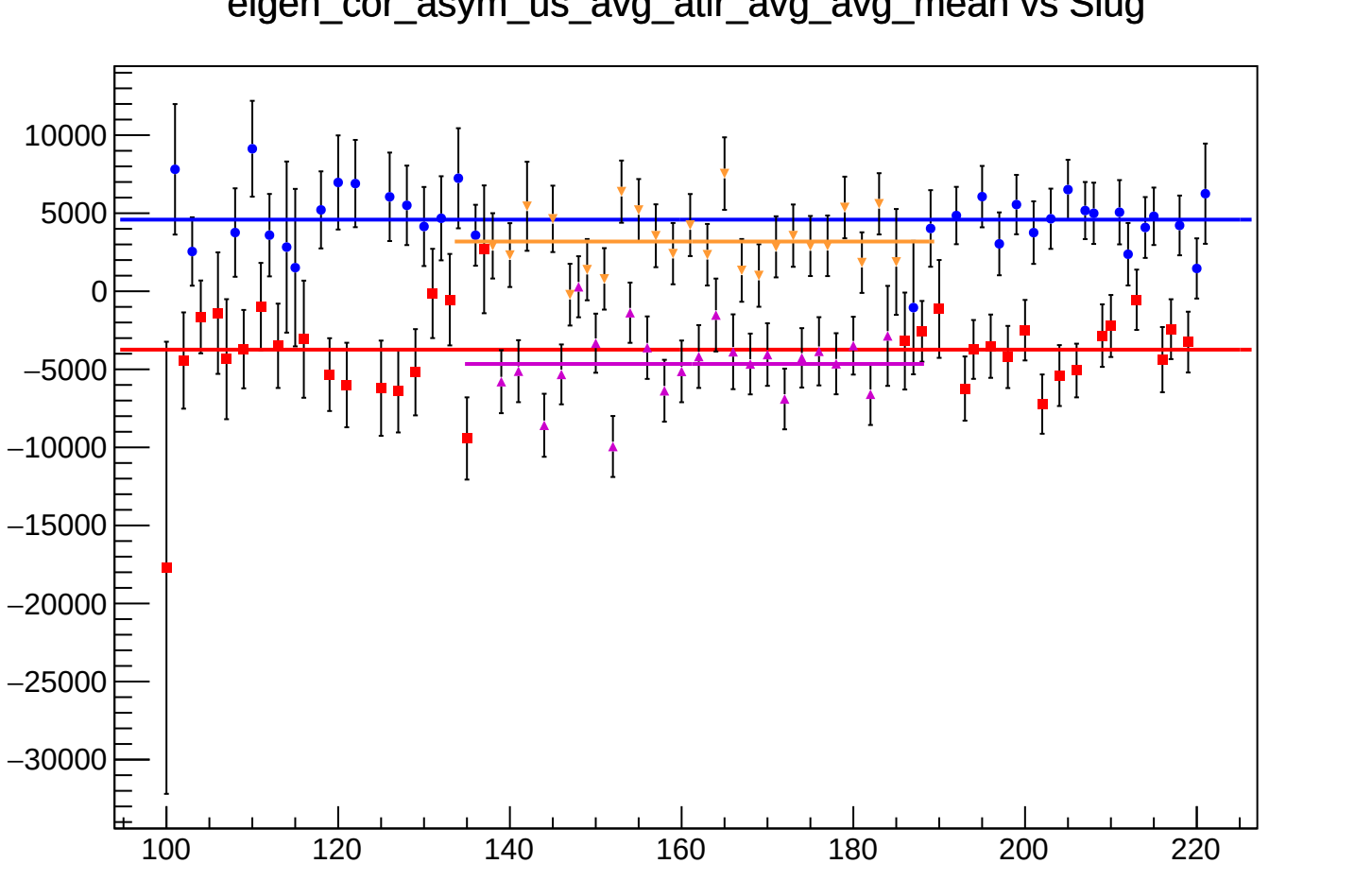
Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5443.069+/-0.648 χ^2/NDF: 9518135.7/57

All: 5649.428+/-0.475 χ^2/NDF: 16409642.2/1

- sign 5888.325+/-0.697 χ^2/NDF: 6672672.3/57



Right In: 4588.975+/-395.901 χ^2/NDF: 16.0/33

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3739.153+/-400.638 χ^2/NDF: 28.1/34

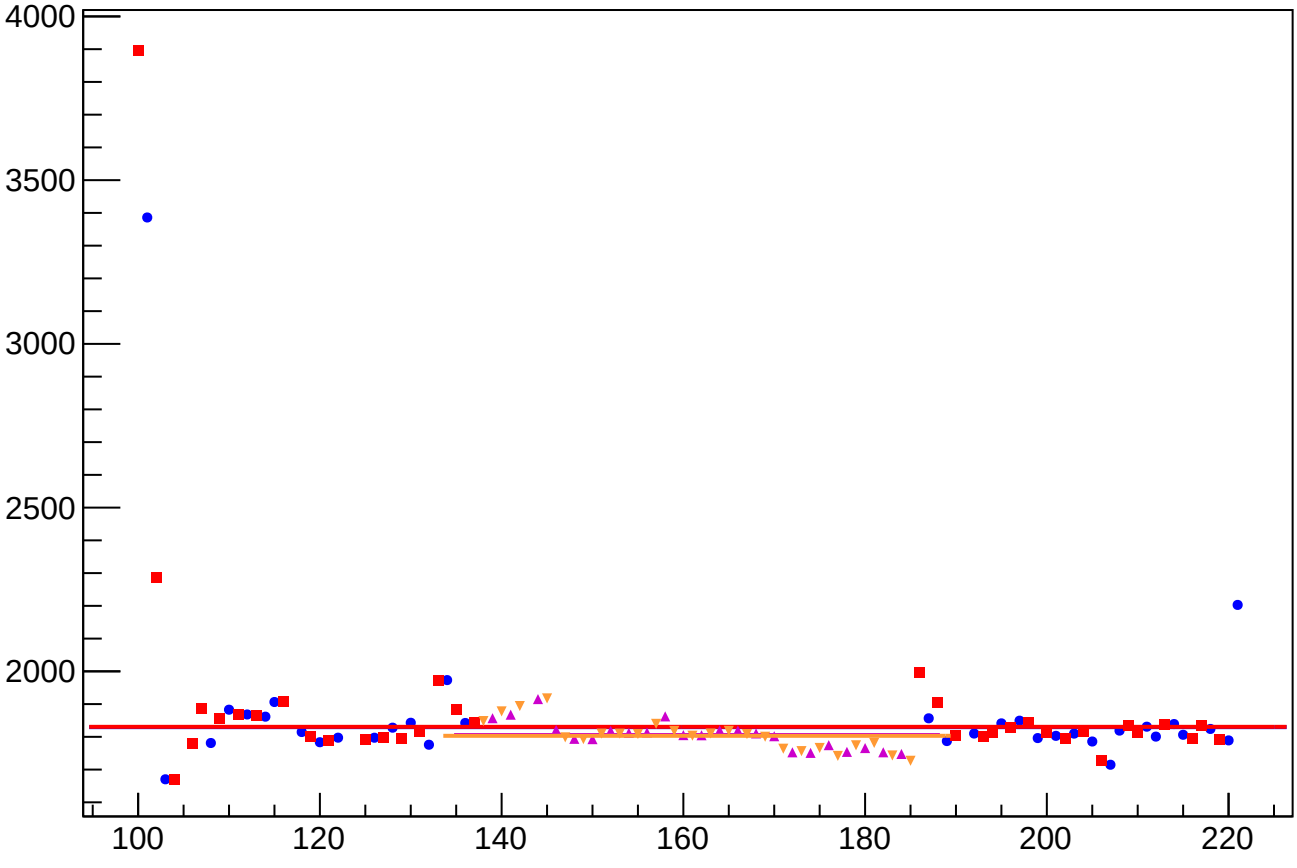
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3927.087+/-287.640 χ^2/NDF: 41.7/57

All: -83.937+/-204.379 χ^2/NDF: 492.7/115

- sign -4173.750+/-290.452 χ^2/NDF: 58.3/57

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1829.594+/-0.280 χ^2/NDF: 336069.4/33

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

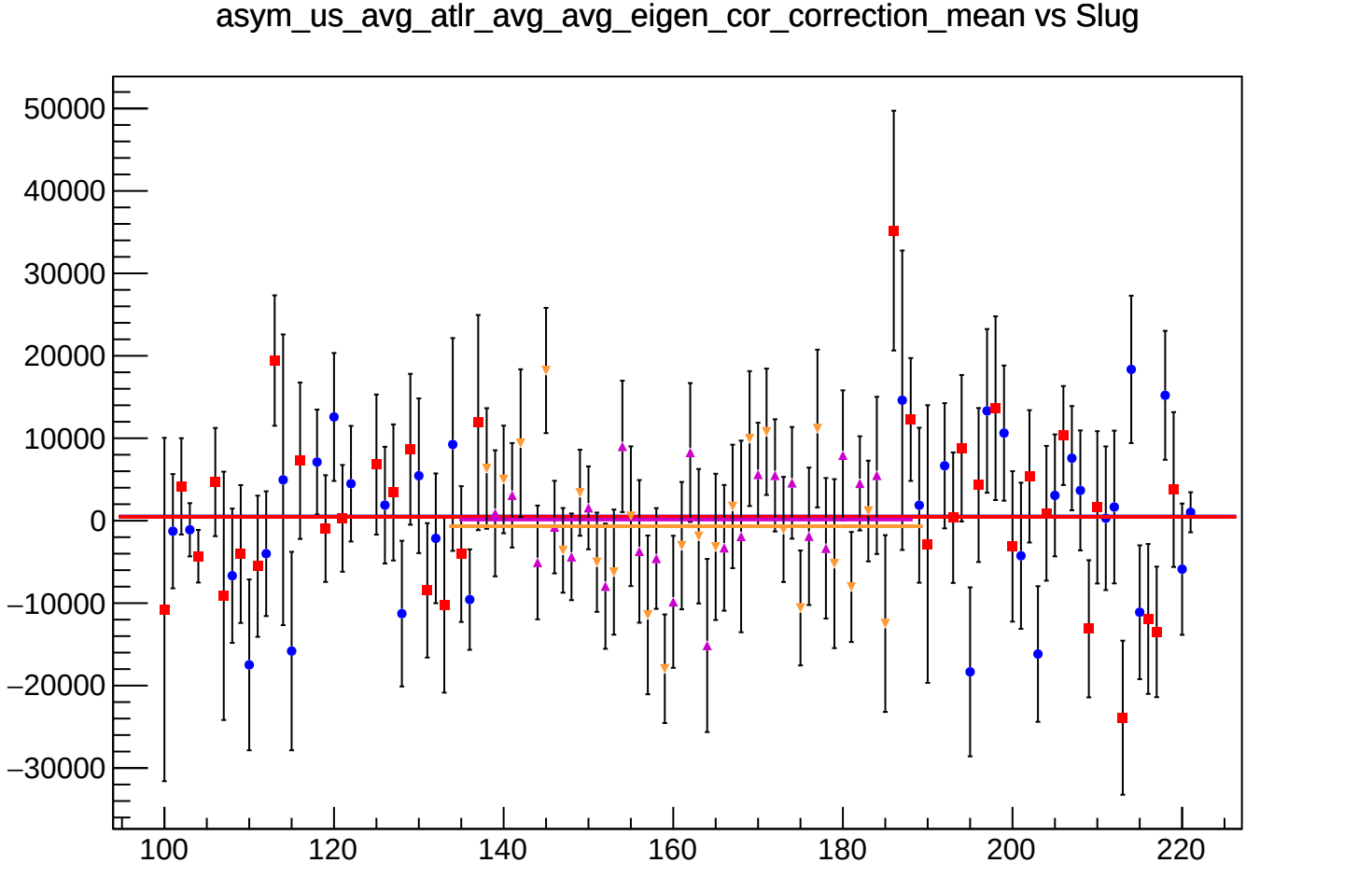
Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1817.093+/-0.203 χ^2/NDF: 360934.7/57

All: 1817.887+/-0.144 χ^2/NDF: 506675.7/115

- sign 1818.696+/-0.205 χ^2/NDF: 145710.1/57



Right In: 505.729+/-1167.567 χ^2/NDF: 39.7/33

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

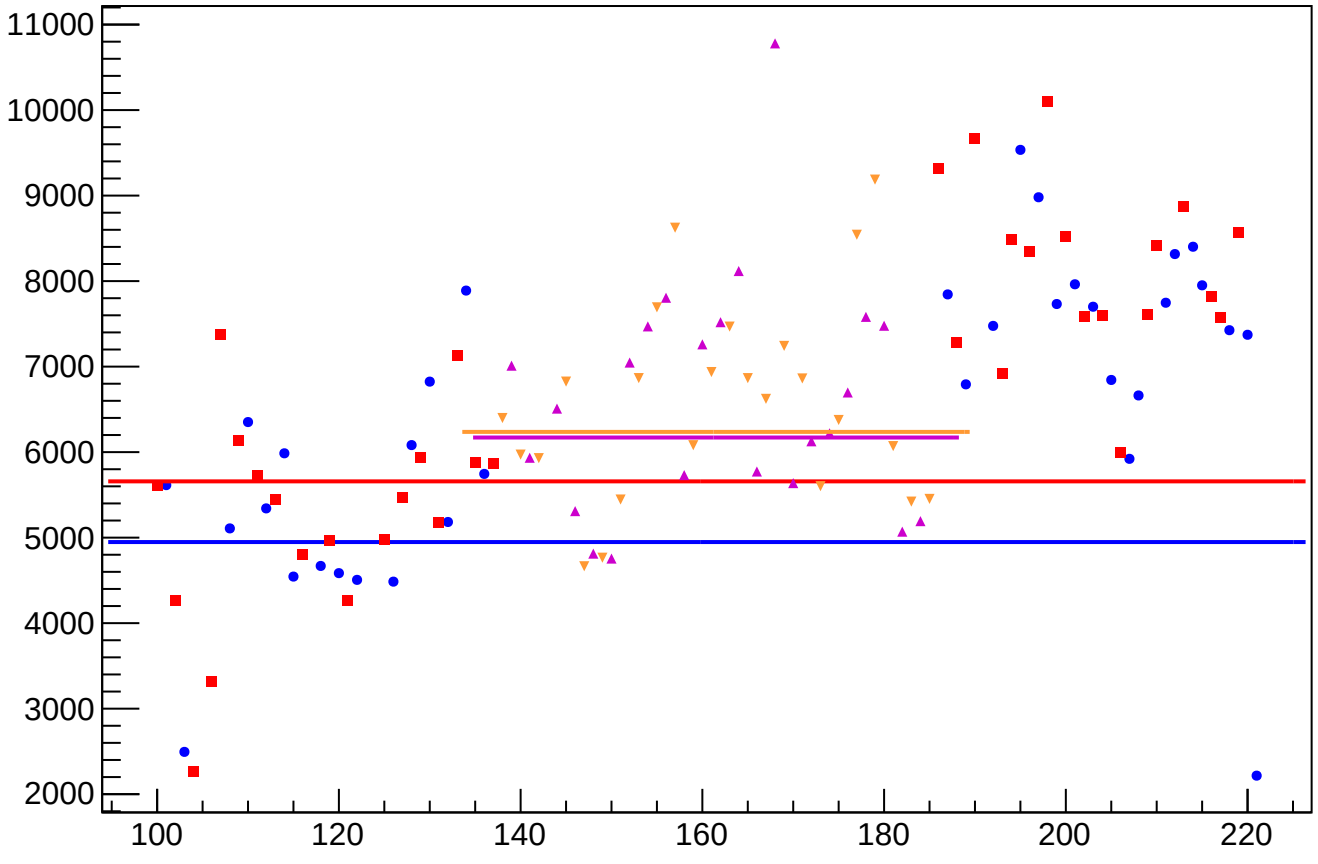
Right Out: 470.748+/-1328.344 χ^2/NDF: 44.1/34

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign 55.309+/-916.375 χ^2/NDF: 69.8/57

All: 179.716+/-671.234 χ^2/NDF: 127.6/115

- sign 323.739+/-985.979 χ^2/NDF: 57.7/57



Right In: 4948.384+/-0.826 χ^2/NDF: 7515504.4/33

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

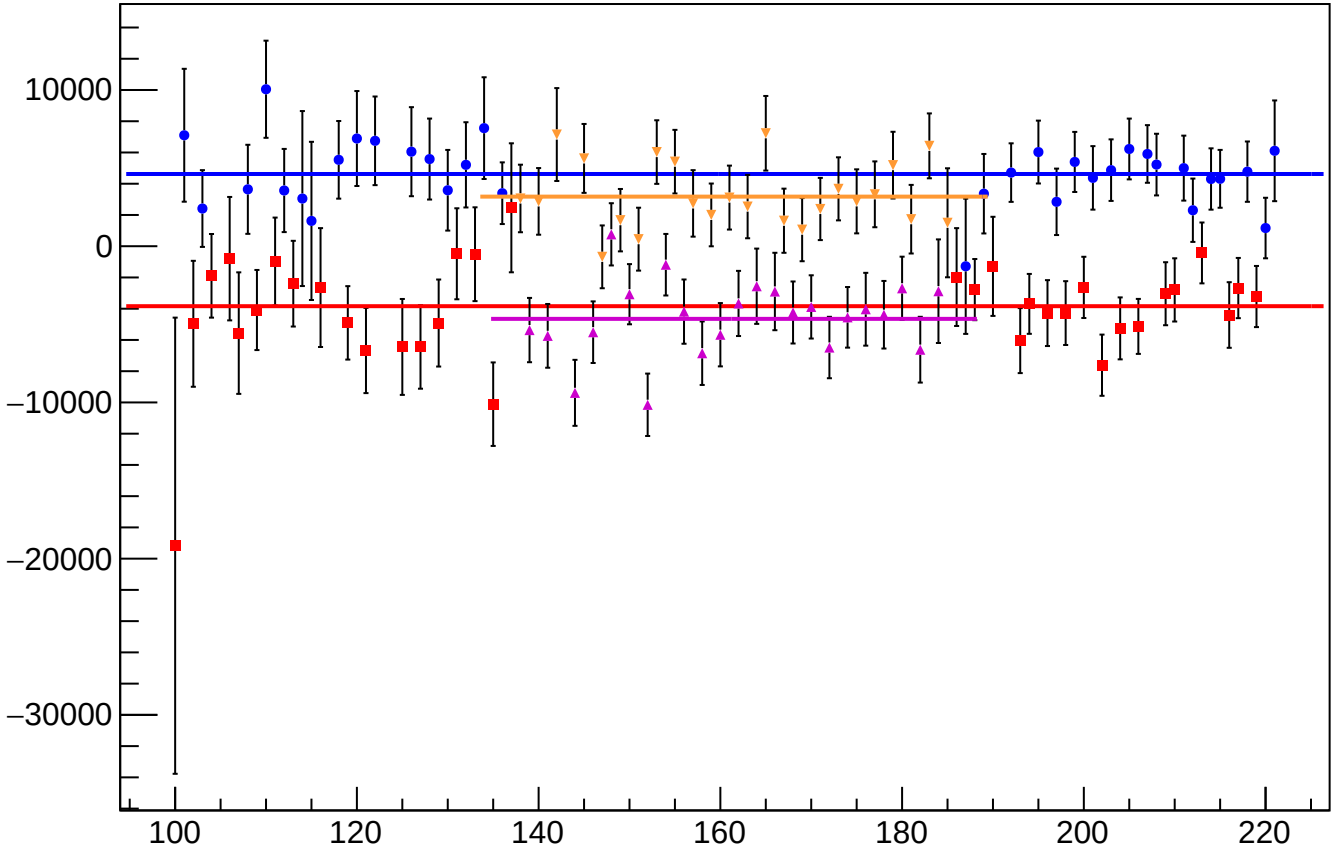
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5443.069+/-0.648 χ^2/NDF: 9518135.7/57

All: 5649.428+/-0.475 χ^2/NDF: 16409642.2/1

- sign 5888.325+/-0.697 χ^2/NDF: 6672672.3/57

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4622.849+/-402.794 χ^2/NDF: 17.5/33

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3838.782+/-409.183 χ^2/NDF: 29.1/34

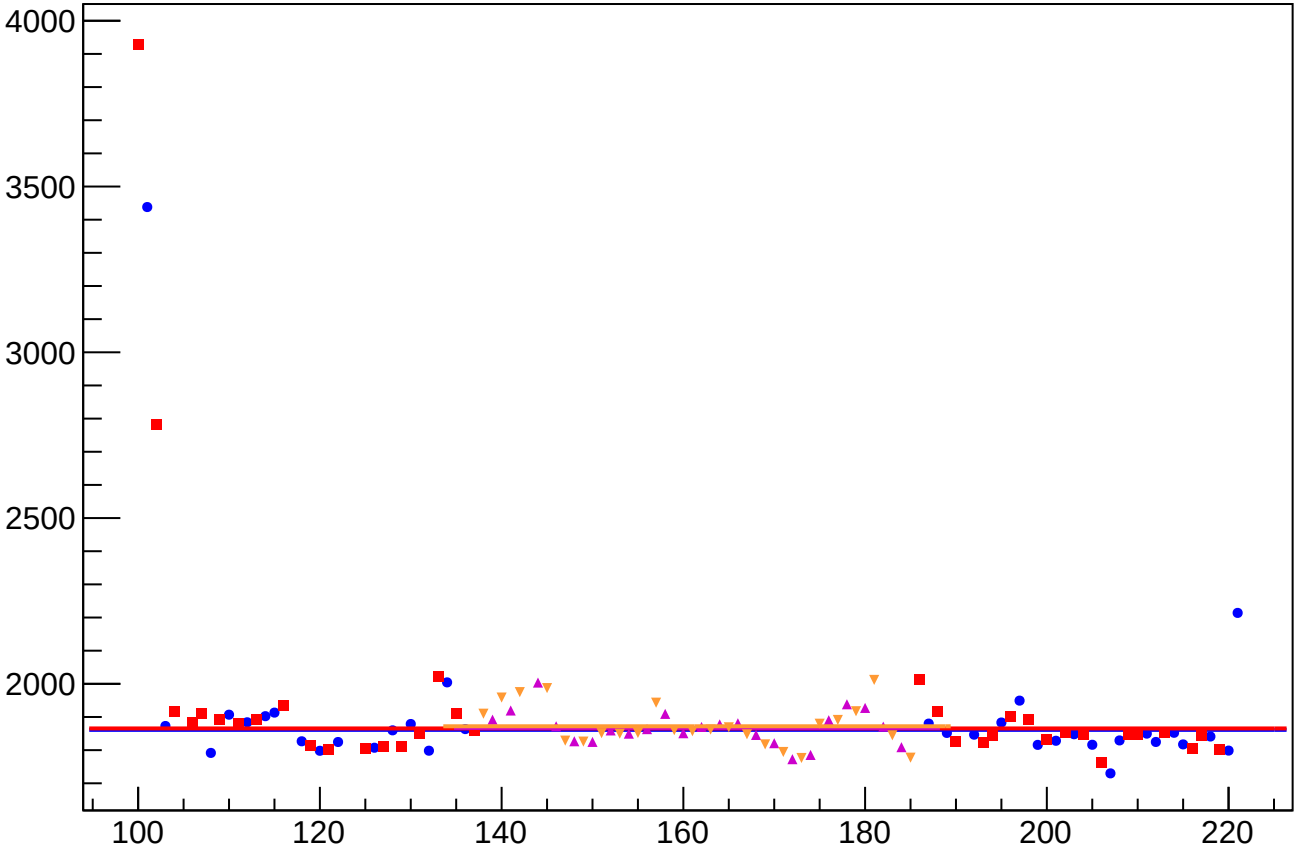
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3953.987+/-295.491 χ^2/NDF: 45.0/57

All: -91.923+/-209.975 χ^2/NDF: 485.2/115

- sign -4218.709+/-298.430 χ^2/NDF: 61.5/57

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.157+/-0.285 χ^2/NDF: 329804.8/33

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

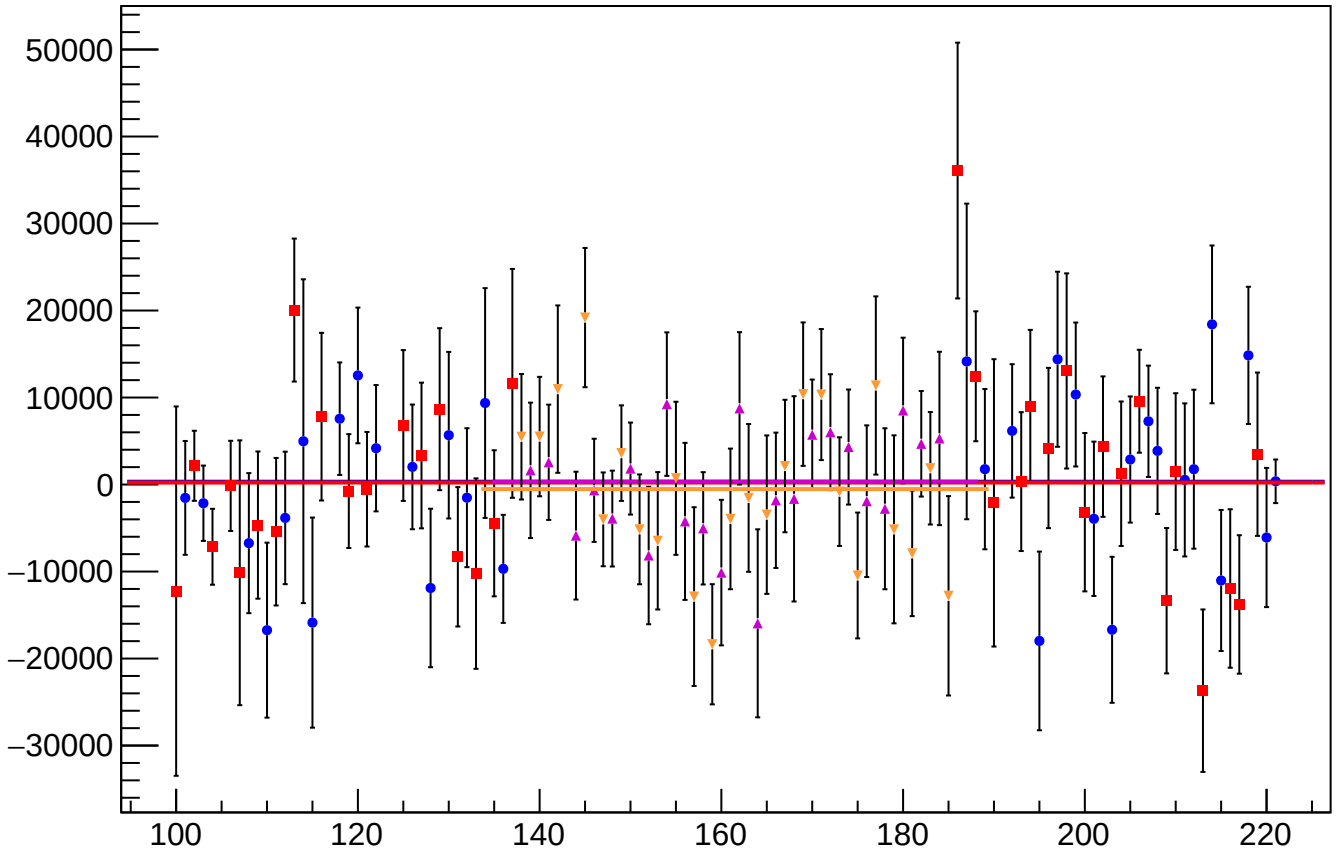
Right Out: 1865.448+/-0.289 χ^2/NDF: 175914.5/34

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1866.155+/-0.209 χ^2/NDF: 367626.4/57

All: 1866.183+/-0.148 χ^2/NDF: 570802.4/115

- sign 1866.211+/-0.211 χ^2/NDF: 203176.0/57



Right In: 325.022+/-1215.536 χ^2/NDF: 39.2/33

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

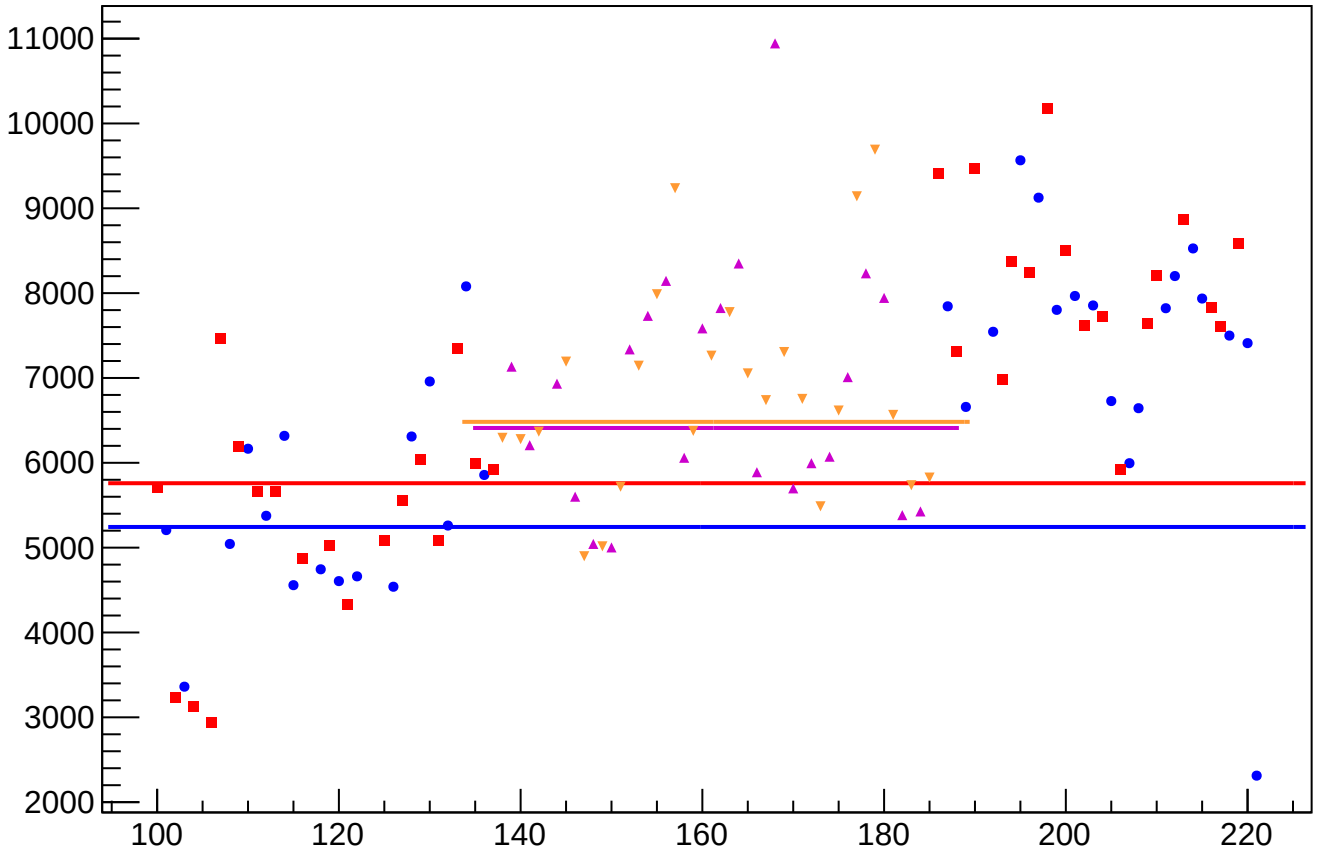
Right Out: 229.762+/-1332.211 χ^2/NDF: 44.1/34

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -0.285+/-953.363 χ^2/NDF: 68.5/57

All: 128.196+/-691.386 χ^2/NDF: 126.1/115

- sign 270.730+/-1004.148 χ^2/NDF: 57.5/57



Right In: 5243.817+/-0.860 χ^2/NDF: 6265294.2/33

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

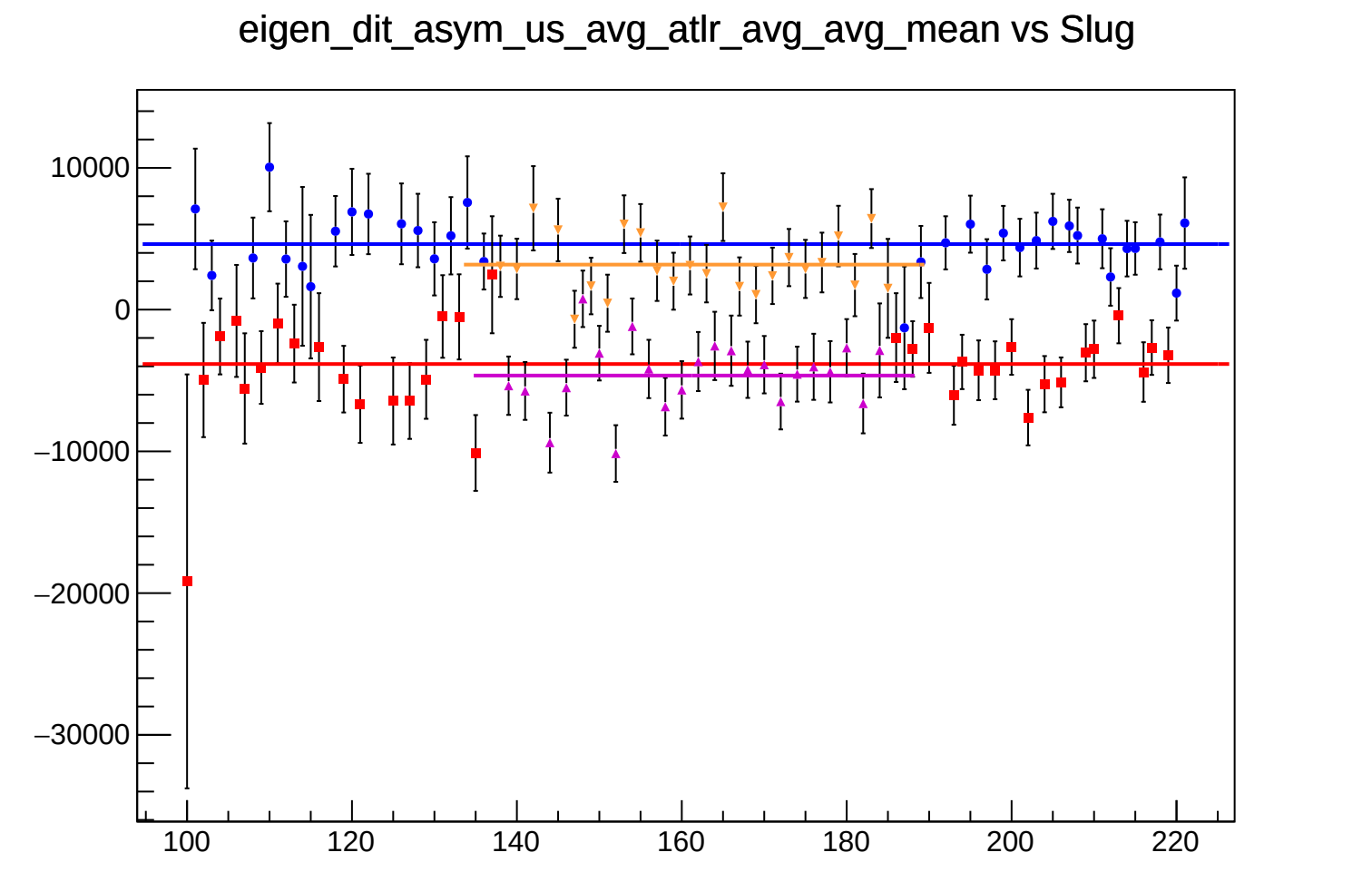
Right Out: 5759.410+/-0.942 χ^2/NDF: 4602221.9/34

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 5720.612+/-0.674 χ^2/NDF: 8139468.1/57

All: 5872.291+/-0.489 χ^2/NDF: 14274564.0/1

- sign 6040.560+/-0.710 χ^2/NDF: 6028309.1/57



Right In: 4622.846+/-402.794 χ^2/NDF: 17.5/33

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3838.781+/-409.182 χ^2/NDF: 29.1/34

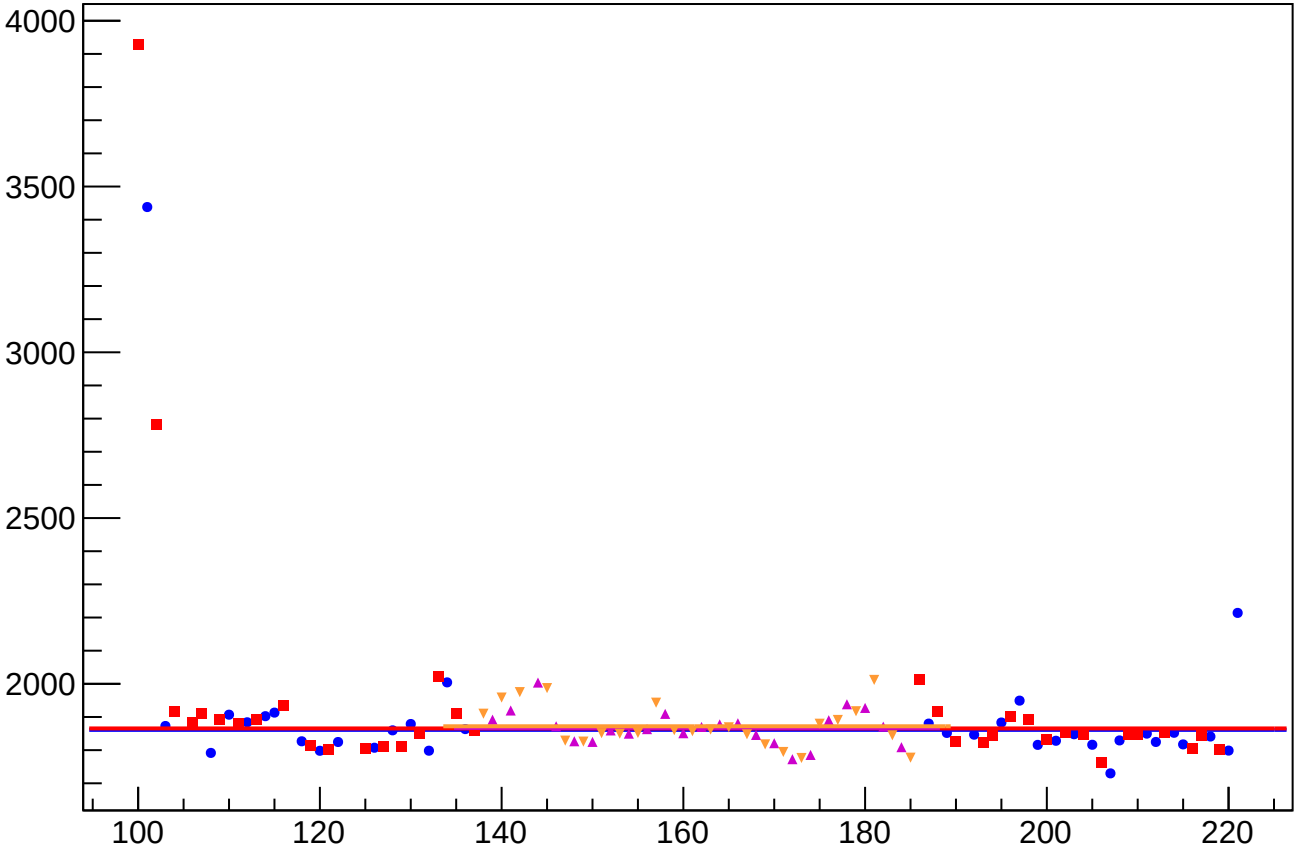
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3953.982+/-295.491 χ^2/NDF: 45.0/57

All: -91.925+/-209.975 χ^2/NDF: 485.2/115

- sign -4218.709+/-298.430 χ^2/NDF: 61.5/57

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.157+/-0.285 χ^2/NDF: 329804.8/33

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

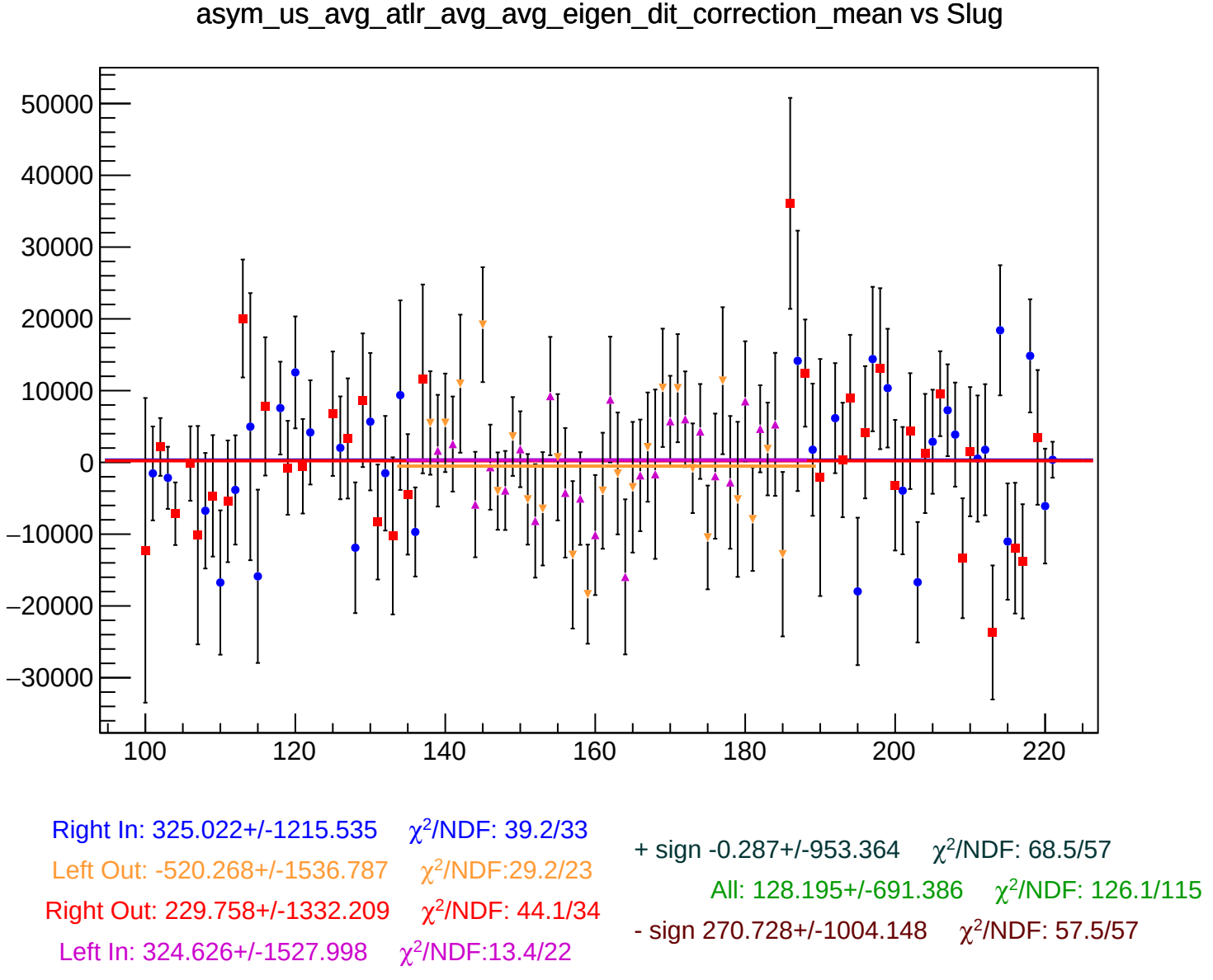
Right Out: 1865.448+/-0.289 χ^2/NDF: 175913.6/34

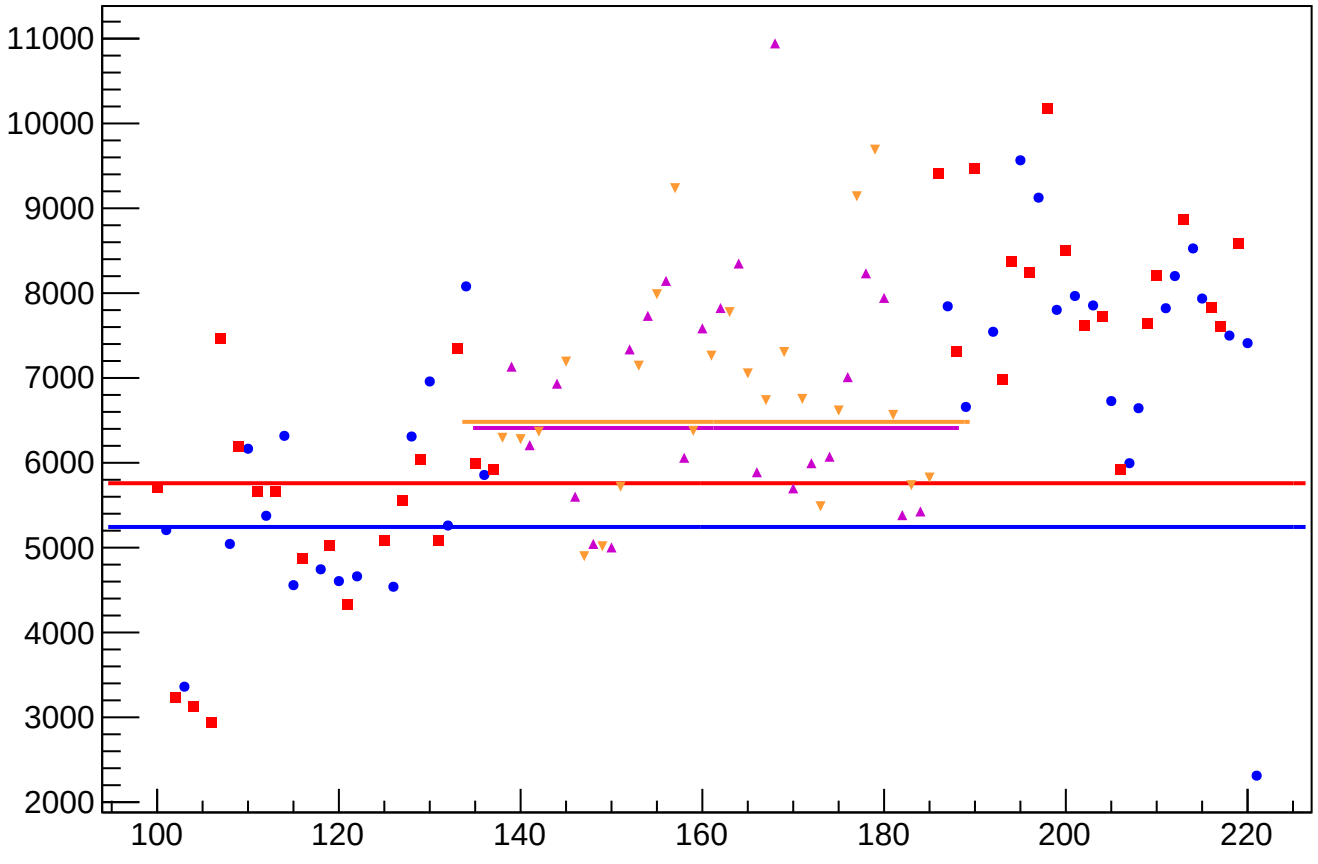
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1866.156+/-0.209 χ^2/NDF: 367627.6/57

All: 1866.183+/-0.148 χ^2/NDF: 570804.0/115

- sign 1866.212+/-0.211 χ^2/NDF: 203176.3/57


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
220
Right In: 325.022+/-1215.535 χ²/NDF: 39.2/33
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 229.758+/-1332.209 χ²/NDF: 44.1/34
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -0.287+/-953.364 χ²/NDF: 68.5/57
All: 128.195+/-691.386 χ²/NDF: 126.1/115
- sign 270.728+/-1004.148 χ²/NDF: 57.5/57



Right In: 5243.815+/-0.860 χ^2/NDF: 6265309.7/33

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5759.401+/-0.942 χ^2/NDF: 4602260.6/34

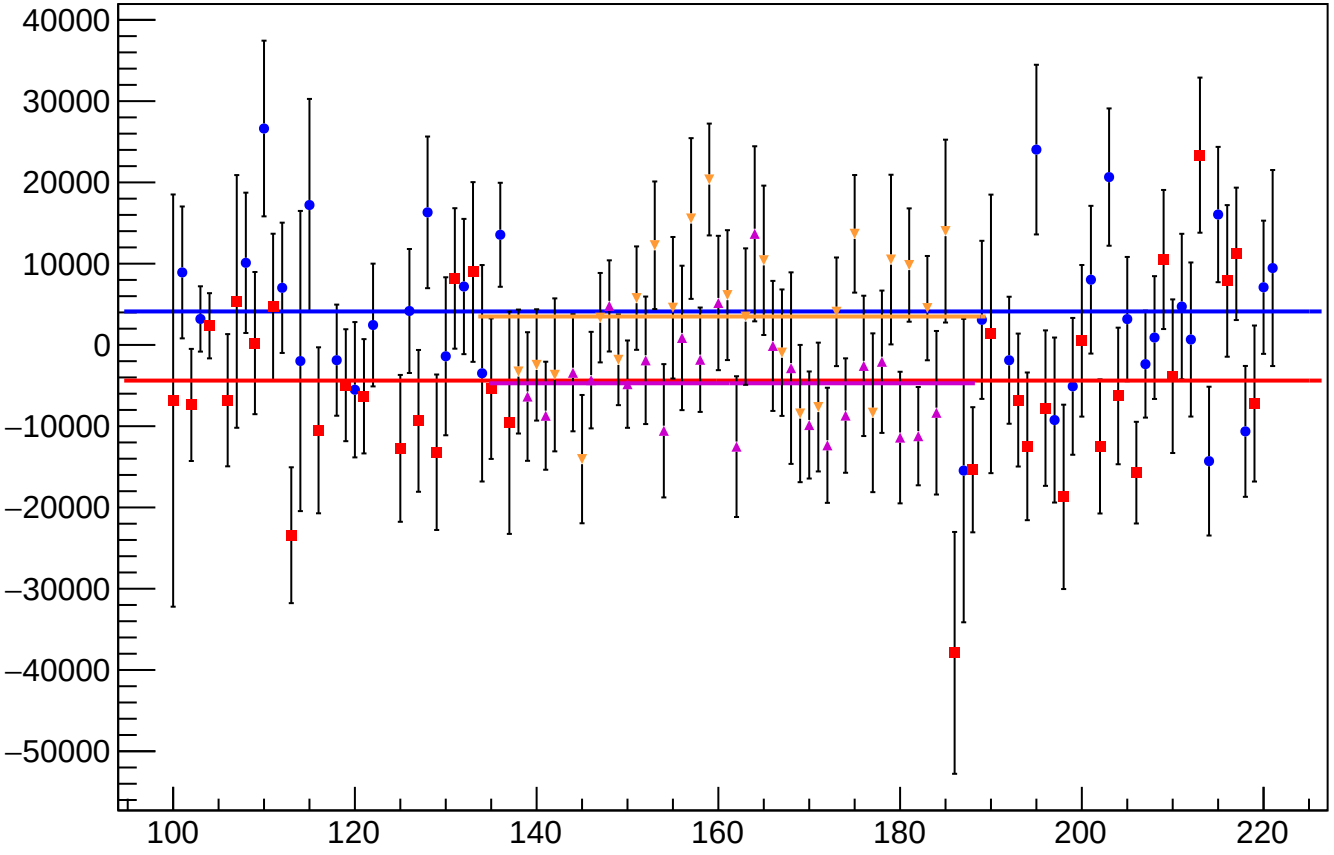
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5720.614+/-0.674 χ^2/NDF: 8139500.9/57

All: 5872.292+/-0.489 χ^2/NDF: 14274648.1/1

- sign 6040.559+/-0.710 χ^2/NDF: 6028362.7/57

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4120.885+/-1422.406 χ^2/NDF: 36.7/33

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4386.970+/-1442.240 χ^2/NDF: 47.5/34

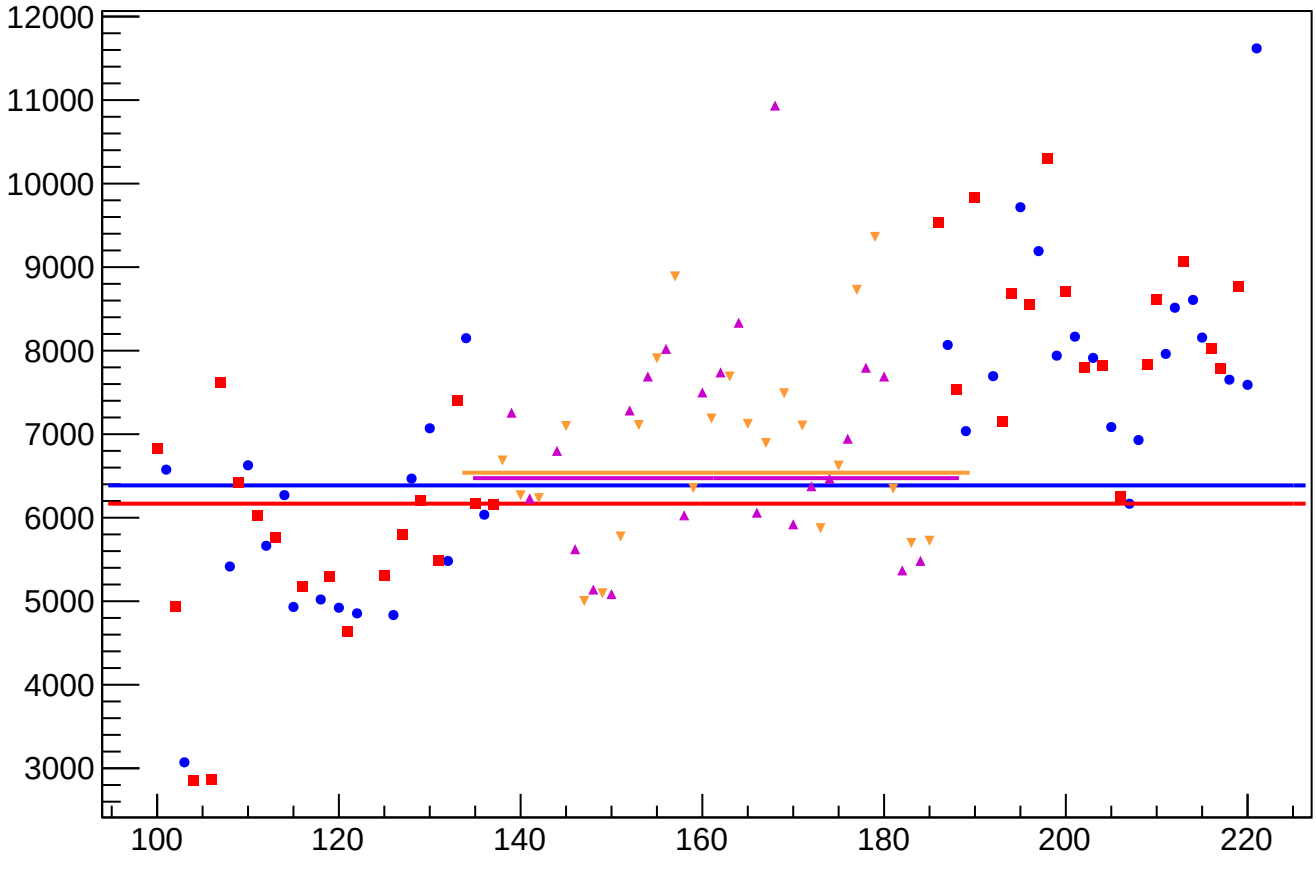
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 3834.916+/-1046.714 χ^2/NDF: 64.2/57

All: -330.996+/-742.148 χ^2/NDF: 157.9/115

\- sign -4542.451+/-1052.420 χ^2/NDF: 61.8/57

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6386.624+/-1.006 χ^2/NDF: 3327687.8/33

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

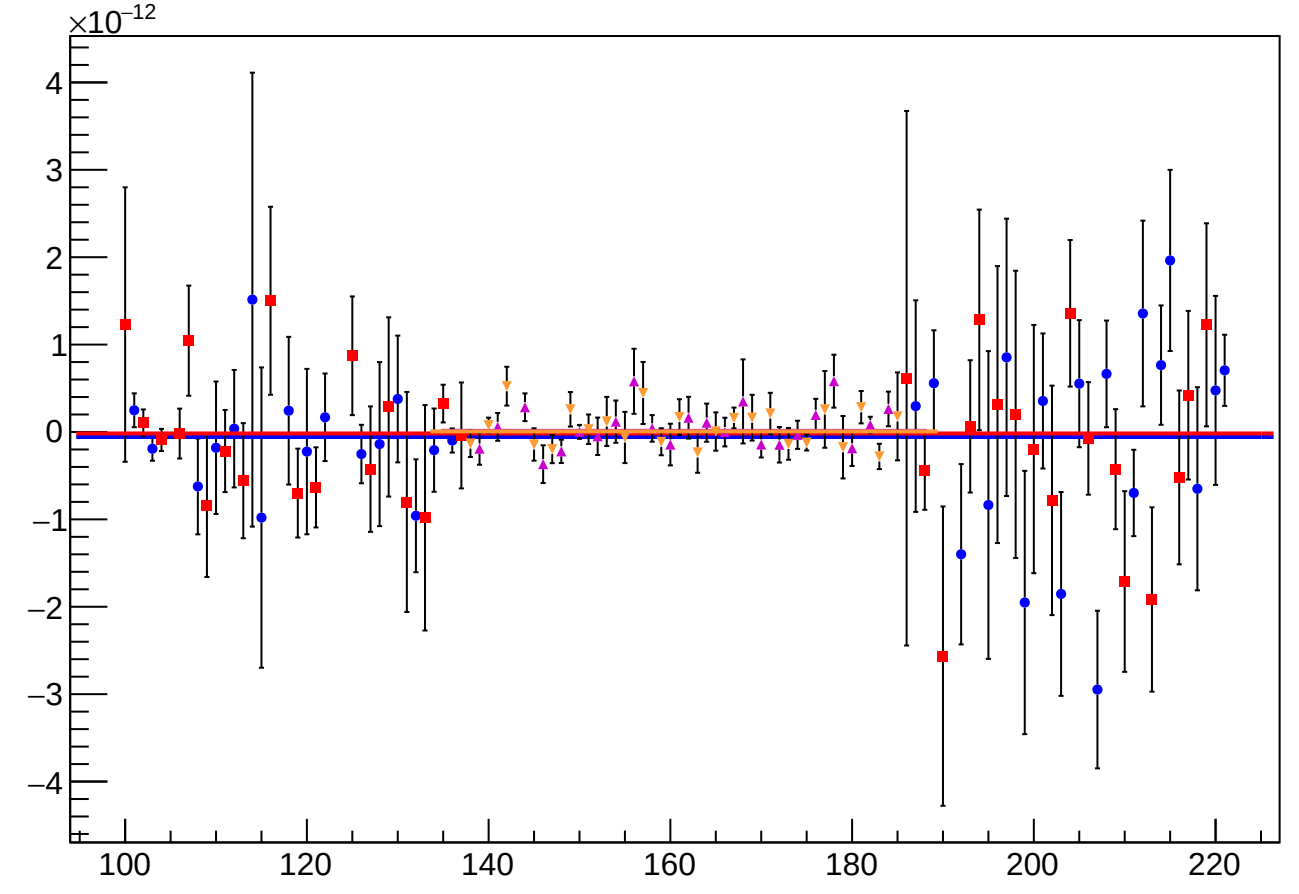
Right Out: 6168.248+/-1.008 χ^2/NDF: 4066943.6/34

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6456.351+/-0.740 χ^2/NDF: 4258782.4/57

All: 6382.717+/-0.523 χ^2/NDF: 9459598.1/11

- sign 6309.193+/-0.740 χ^2/NDF: 5181034.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

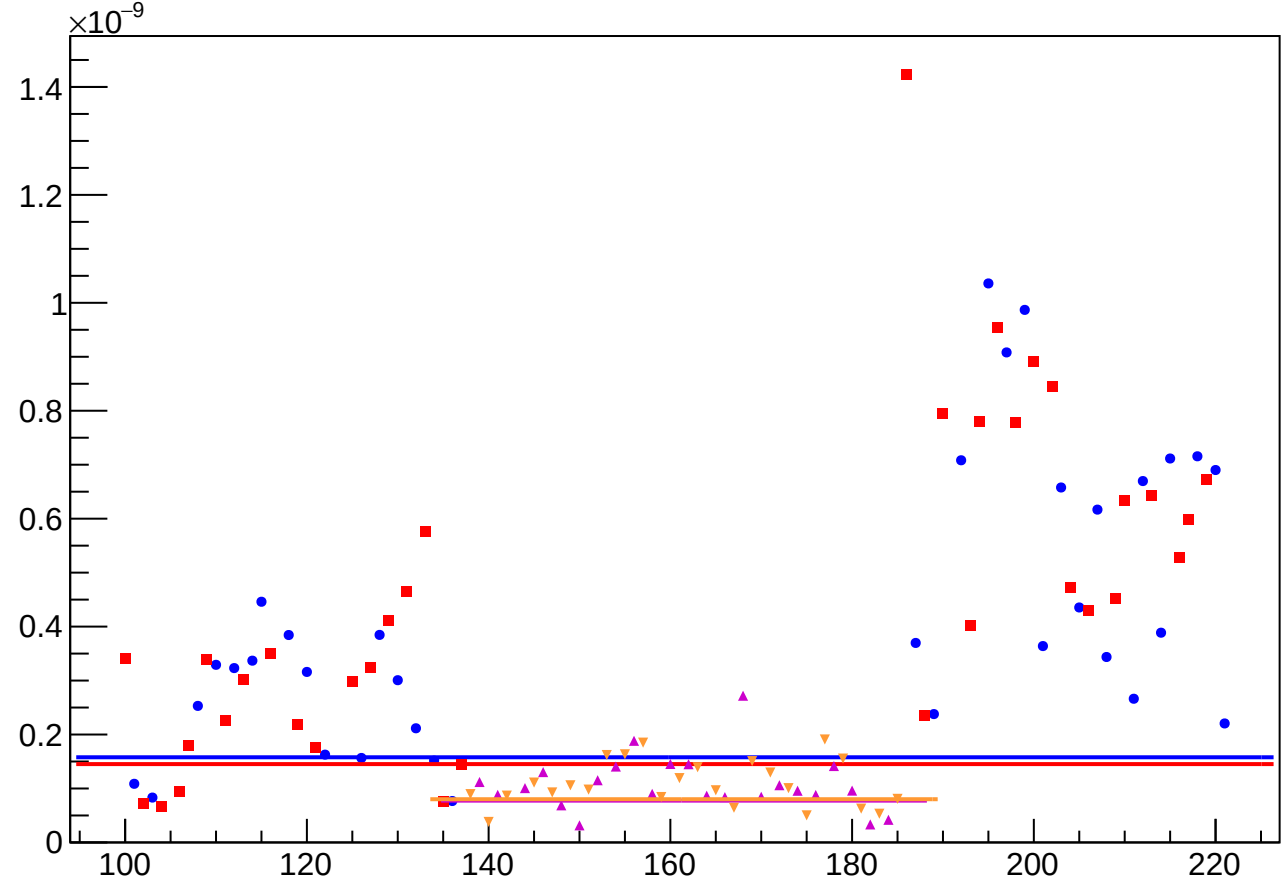
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/34

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.9/57

All: 0.000+/-0.000 χ^2/NDF: 125.7/115

- sign 0.000+/-0.000 χ^2/NDF: 56.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 8239377.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

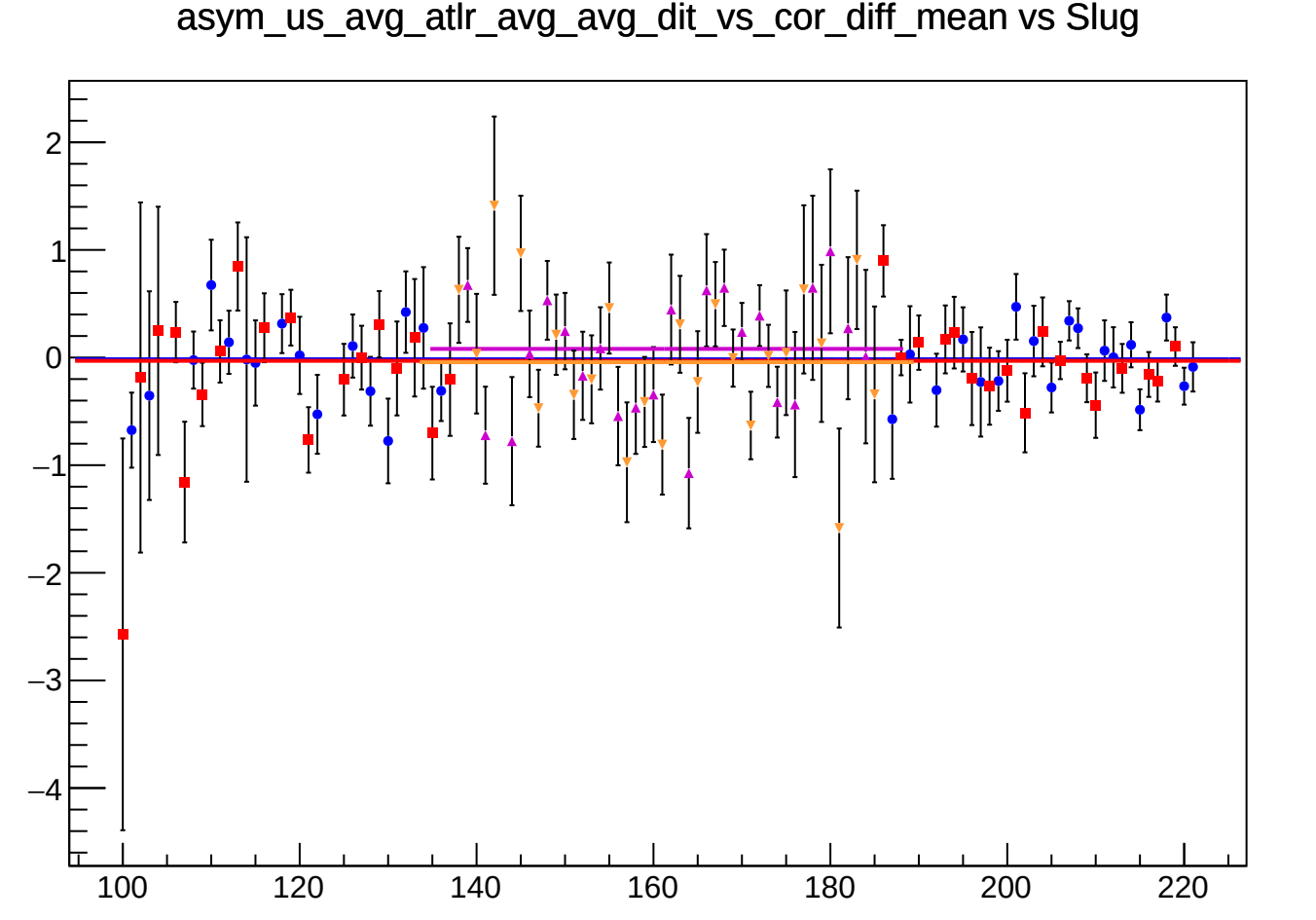
Right Out: 0.000+/-0.000 χ^2/NDF: 9186377.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12290079.7/57

All: 0.000+/-0.000 χ^2/NDF: 25555696.7/115

- sign 0.000+/-0.000 χ^2/NDF: 13237873.0/57



Right In: -0.016+/-0.049 χ^2/NDF: 42.9/33

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

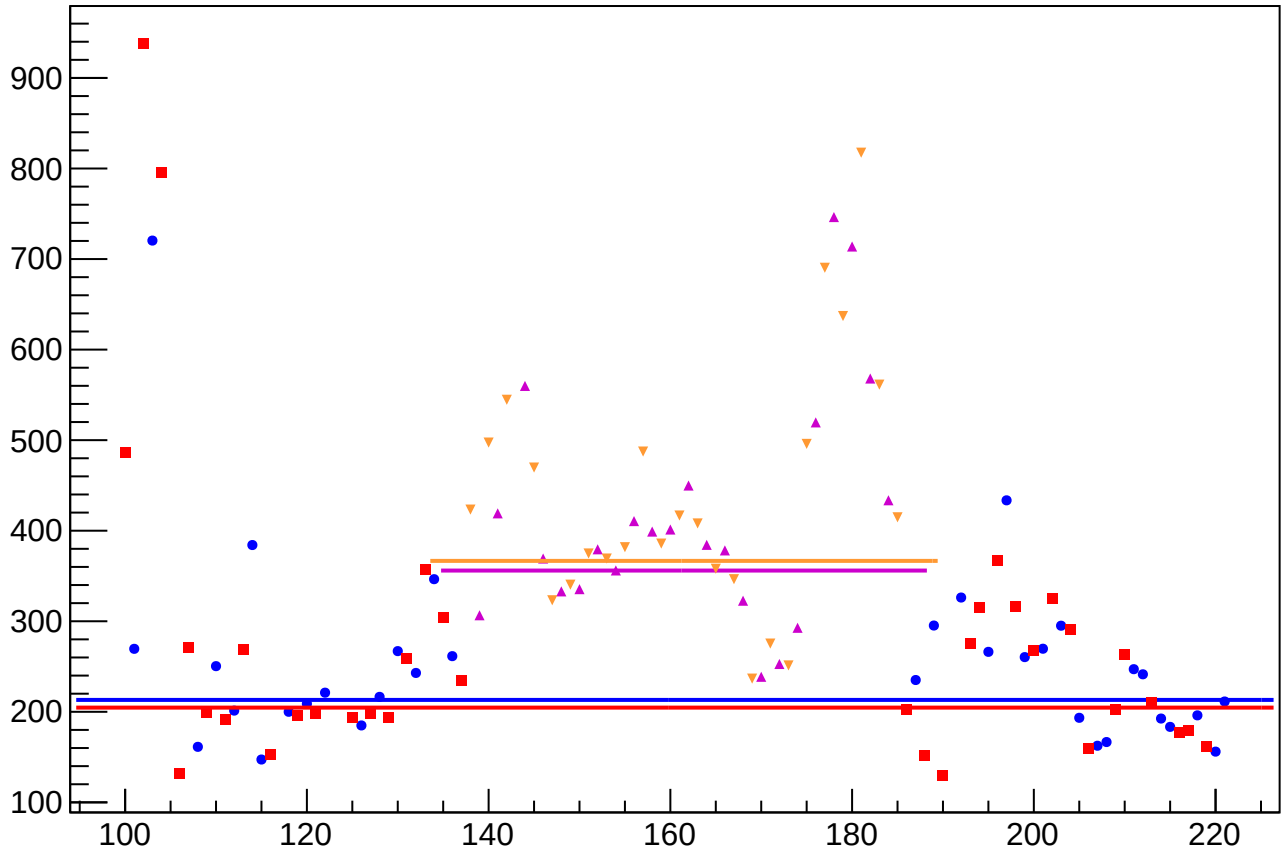
Right Out: -0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.022+/-0.043 χ^2/NDF: 73.9/57

All: -0.013+/-0.030 χ^2/NDF: 148.5/115

- sign -0.004+/-0.043 χ^2/NDF: 74.5/57



Right In: 213.139+/-0.034 χ^2/NDF: 2675752.0/33

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

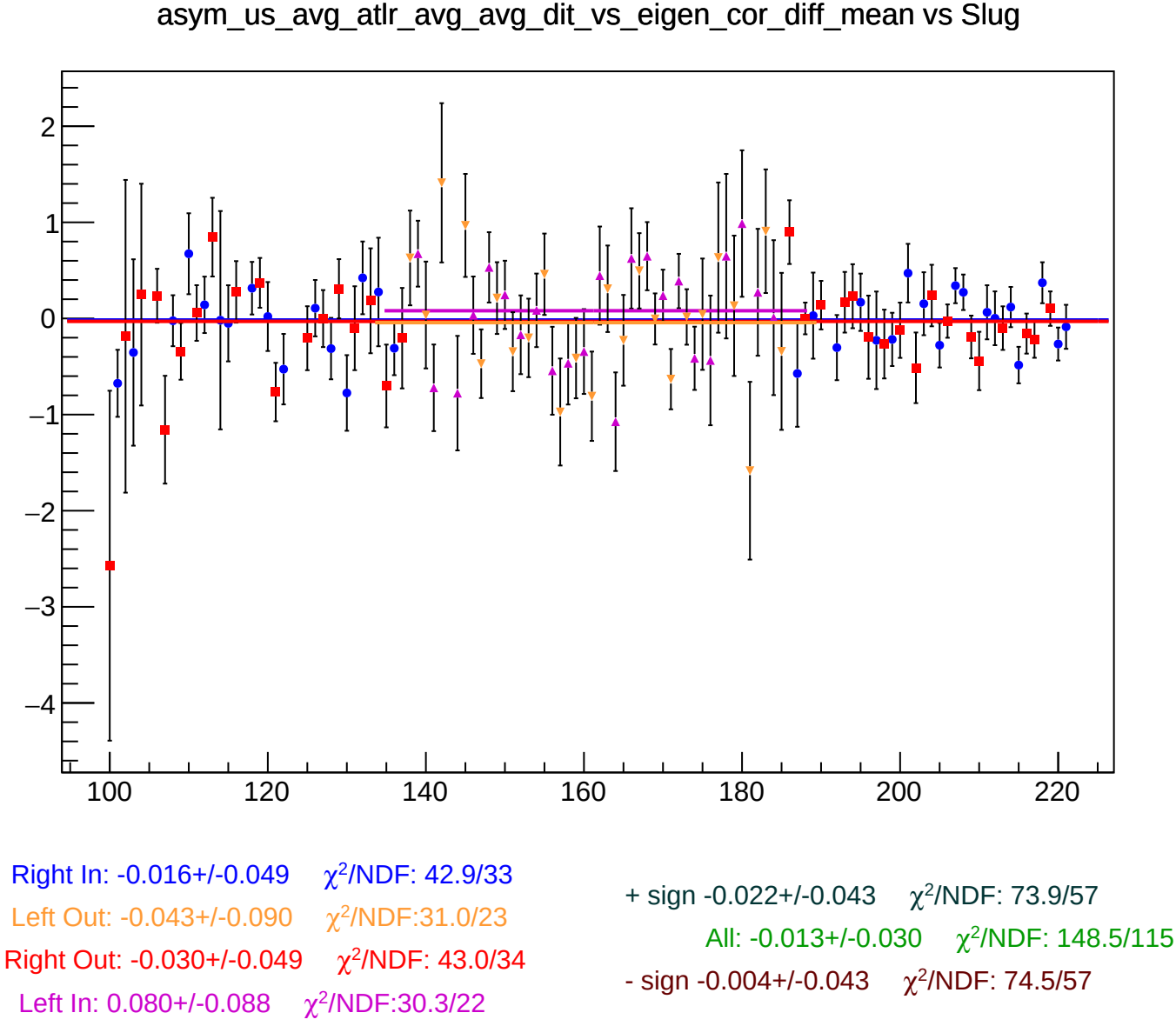
Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

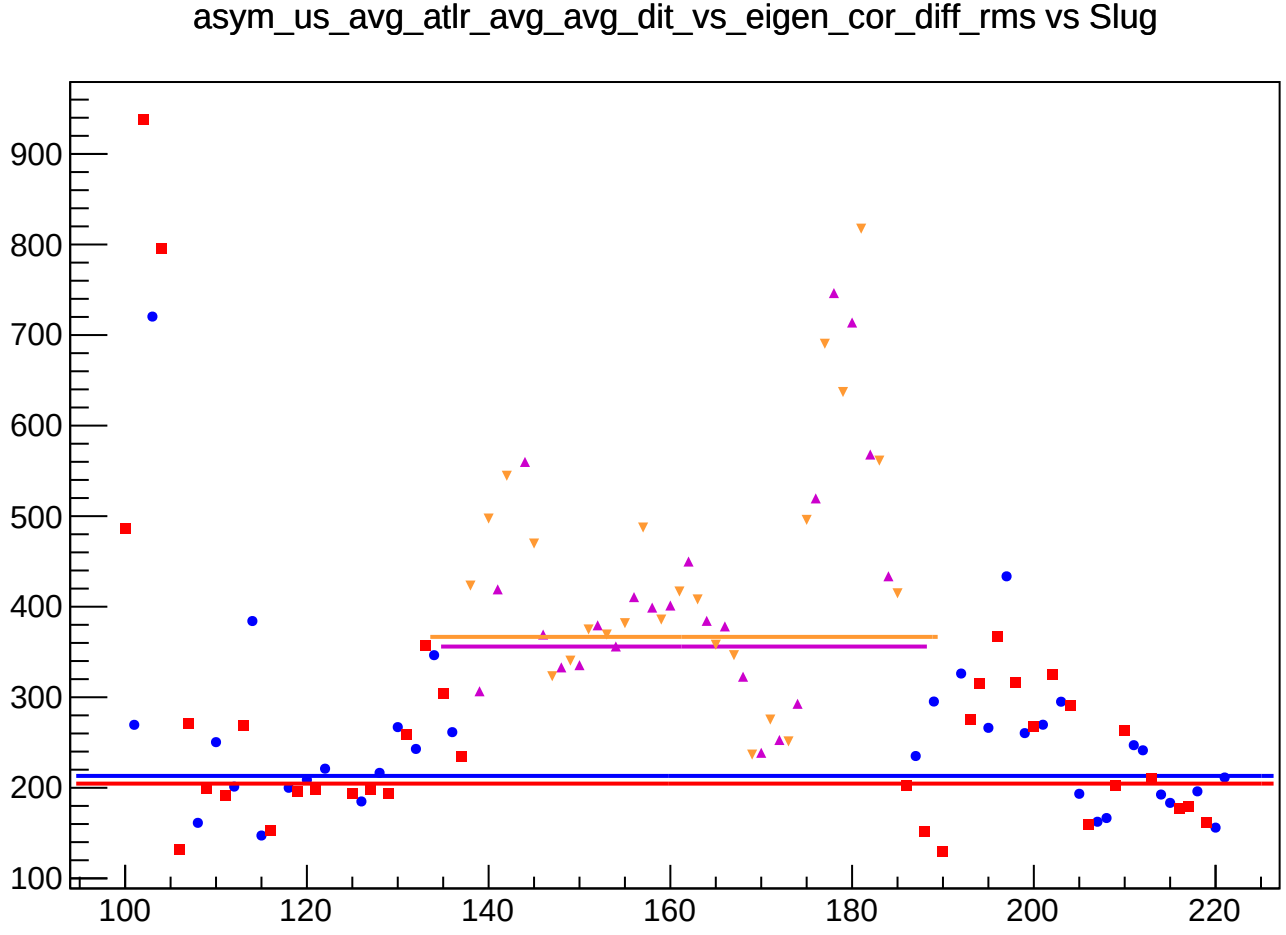
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 247.659+/-0.030 χ^2/NDF: 9983010.1/57

All: 244.004+/-0.021 χ^2/NDF: 20569842.3/11

- sign 240.389+/-0.030 χ^2/NDF: 10557949.2/57


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.016+/-0.049 χ²/NDF: 42.9/33
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.030+/-0.049 χ²/NDF: 43.0/34
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.022+/-0.043 χ²/NDF: 73.9/57
All: -0.013+/-0.030 χ²/NDF: 148.5/115
- sign -0.004+/-0.043 χ²/NDF: 74.5/57



Right In: 213.139+/-0.034 χ^2/NDF: 2675752.0/33

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

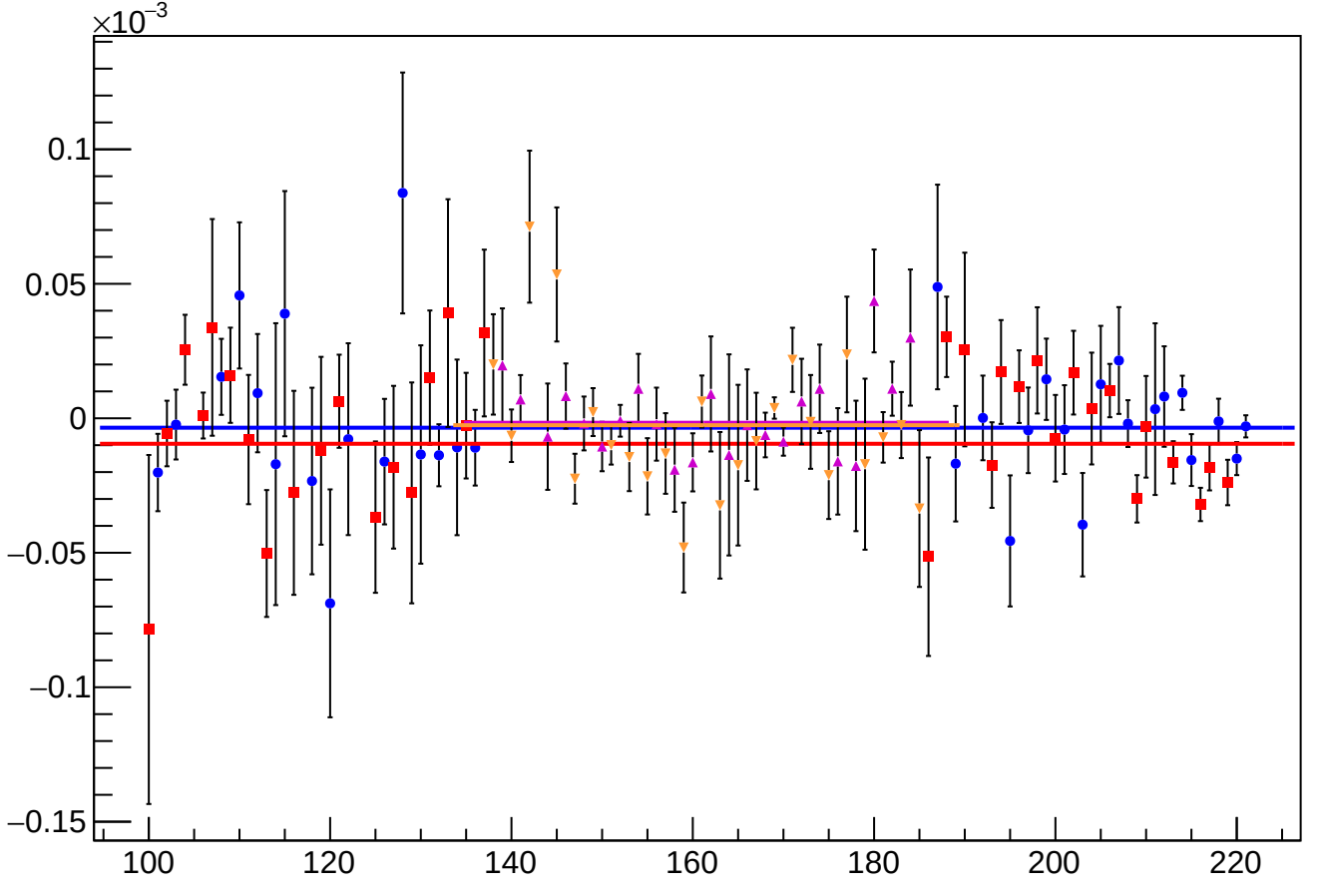
Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 247.659+/-0.030 χ^2/NDF: 9983010.1/57

All: 244.004+/-0.021 χ^2/NDF: 20569842.3/11

- sign 240.389+/-0.030 χ^2/NDF: 10557949.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

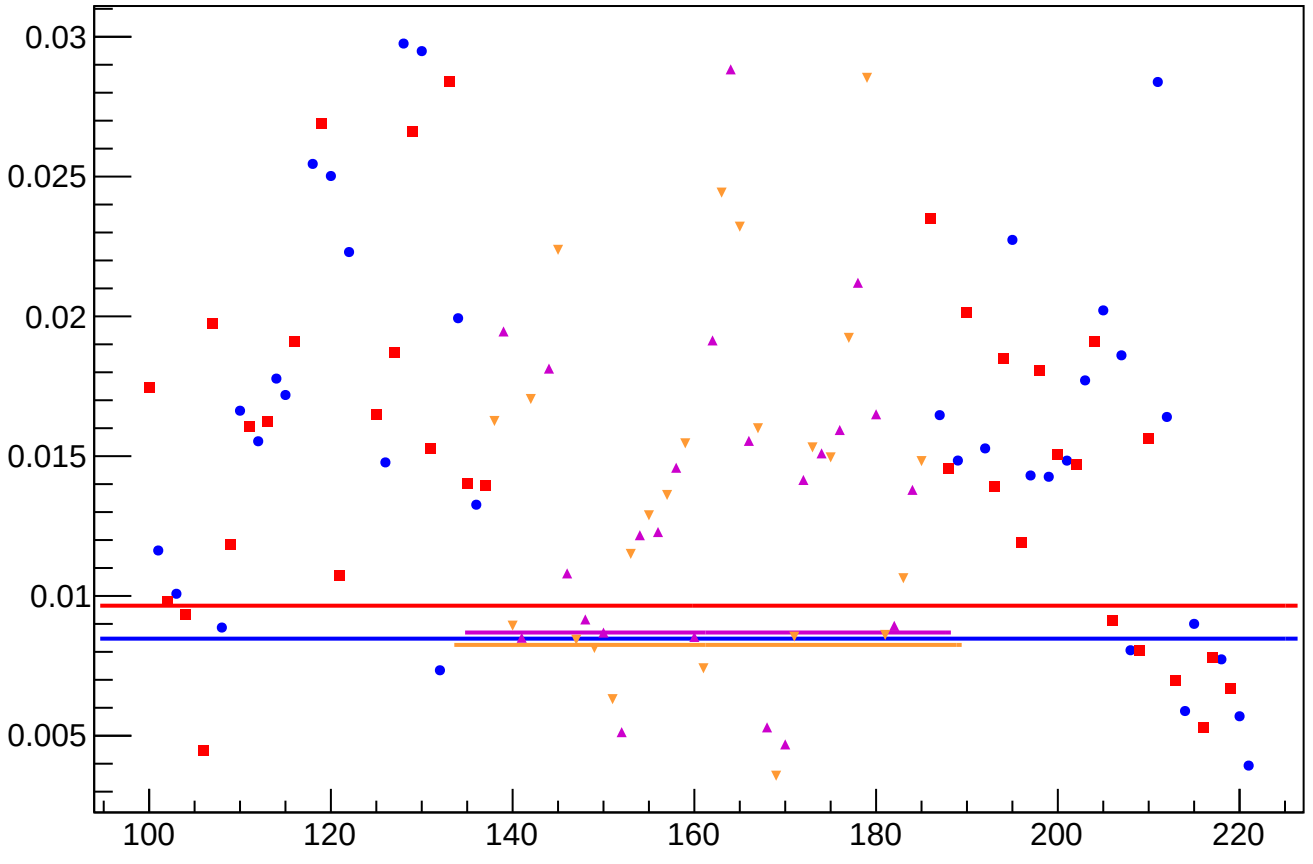
Right Out: -0.000+/-0.000 χ^2/NDF: 69.9/34

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.5/57

All: -0.000+/-0.000 χ^2/NDF: 178.6/115

- sign -0.000+/-0.000 χ^2/NDF: 96.0/57



Right In: 0.008+/-0.000 χ^2/NDF: 11456697.5/33

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

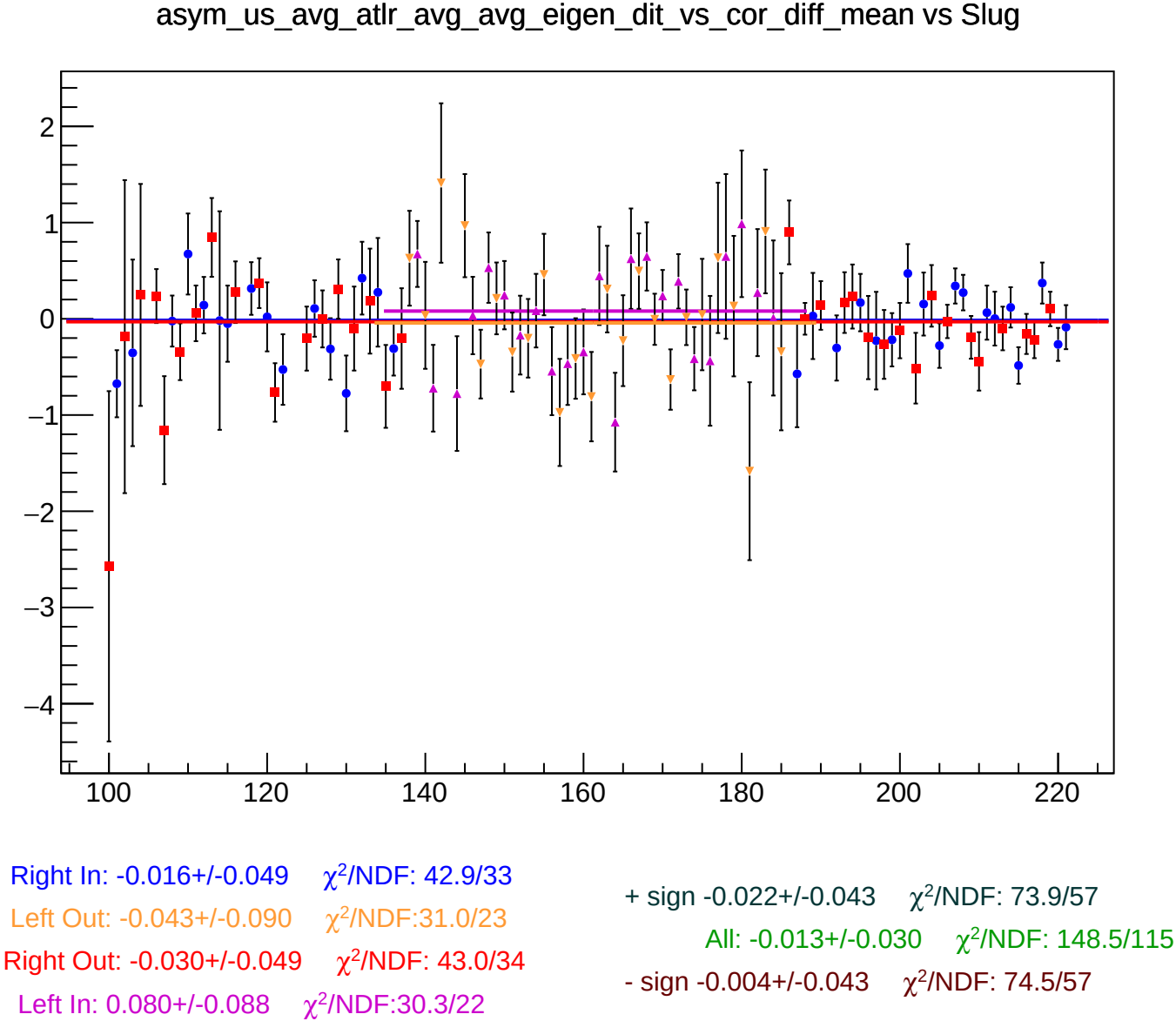
Right Out: 0.010+/-0.000 χ^2/NDF: 7442503.4/34

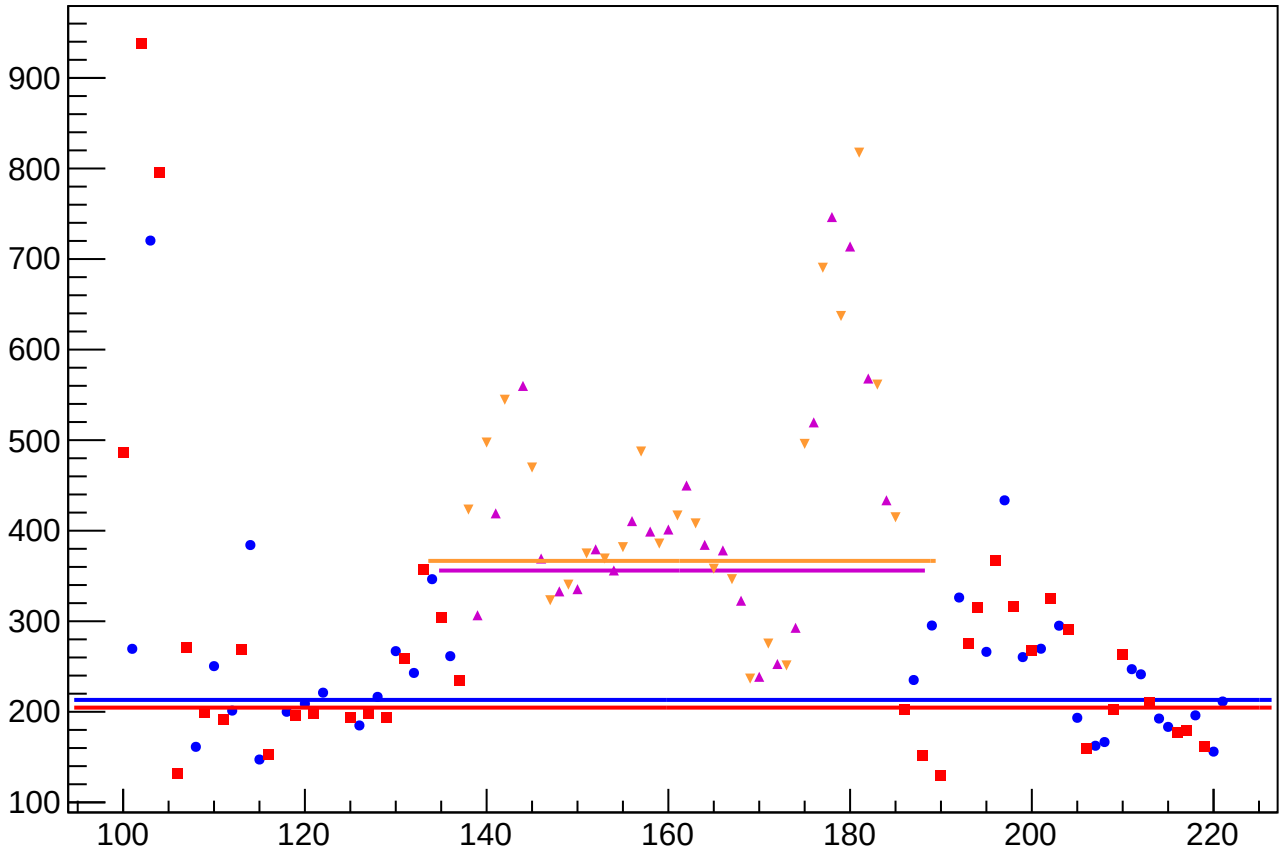
Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 20346582.5/57

All: 0.009+/-0.000 χ^2/NDF: 35069358.6/115

- sign 0.009+/-0.000 χ^2/NDF: 14480975.4/57


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.016+/-0.049 χ²/NDF: 42.9/33
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.030+/-0.049 χ²/NDF: 43.0/34
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.022+/-0.043 χ²/NDF: 73.9/57
All: -0.013+/-0.030 χ²/NDF: 148.5/115
- sign -0.004+/-0.043 χ²/NDF: 74.5/57



Right In: 213.139+/-0.034 χ^2/NDF: 2675774.3/33

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

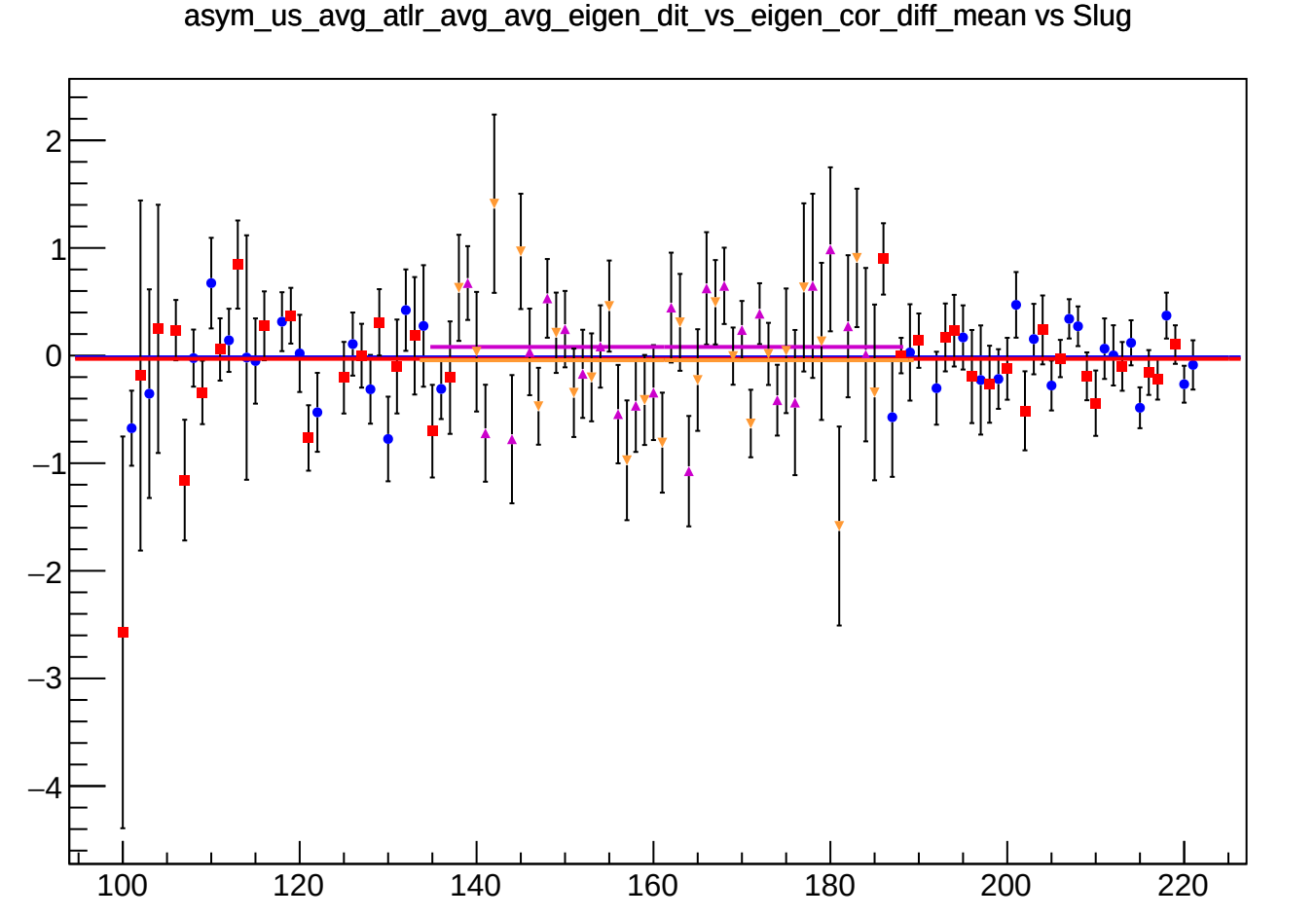
Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 247.658+/-0.030 χ^2/NDF: 9983304.4/57

All: 244.003+/-0.021 χ^2/NDF: 20570583.0/11

- sign 240.387+/-0.030 χ^2/NDF: 10558384.6/57



Right In: -0.016+/-0.049 χ^2/NDF: 42.9/33

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

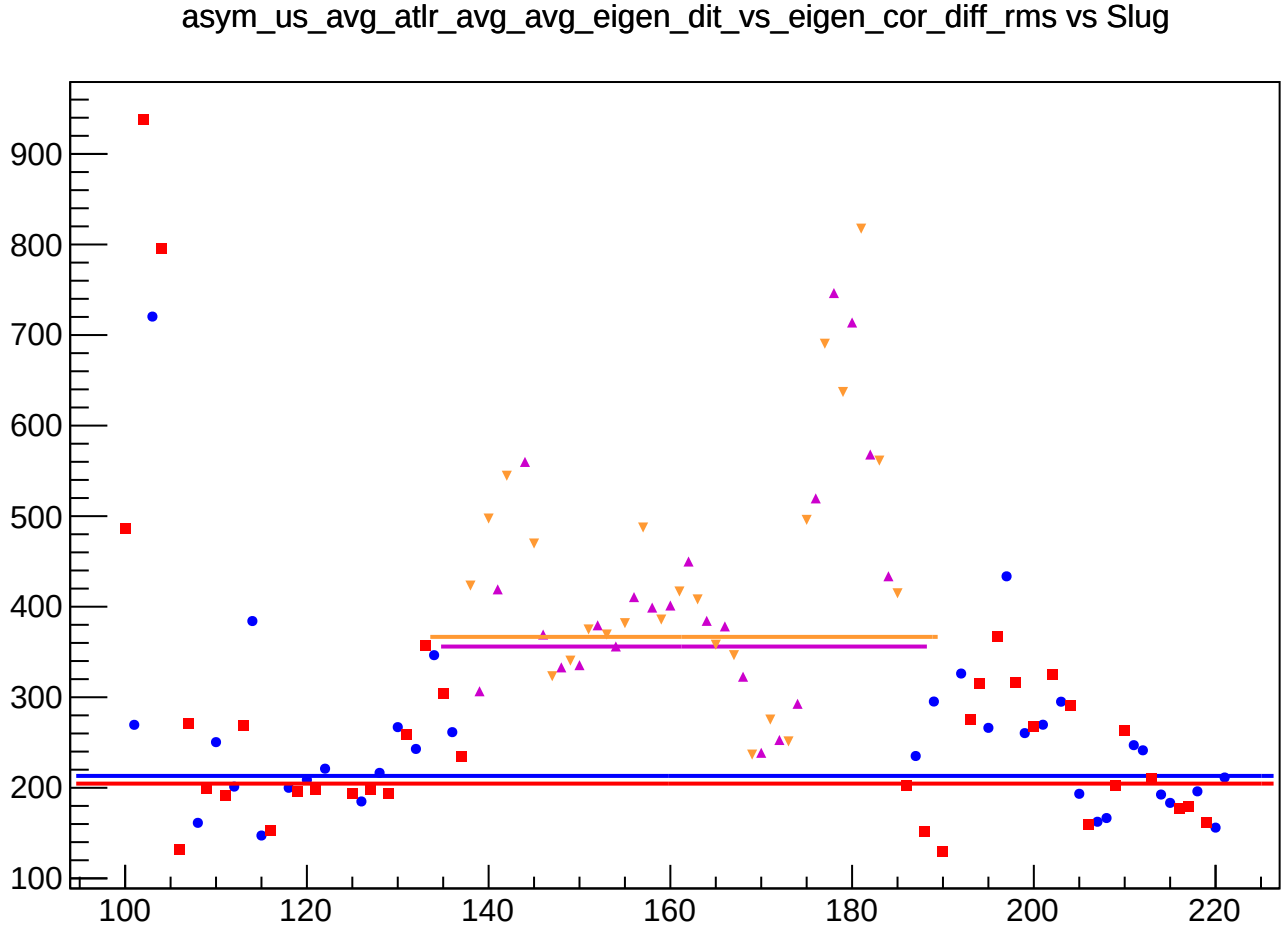
Right Out: -0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.022+/-0.043 χ^2/NDF: 73.9/57

All: -0.013+/-0.030 χ^2/NDF: 148.5/115

- sign -0.004+/-0.043 χ^2/NDF: 74.5/57



Right In: 213.139+/-0.034 χ^2/NDF: 2675774.3/33

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

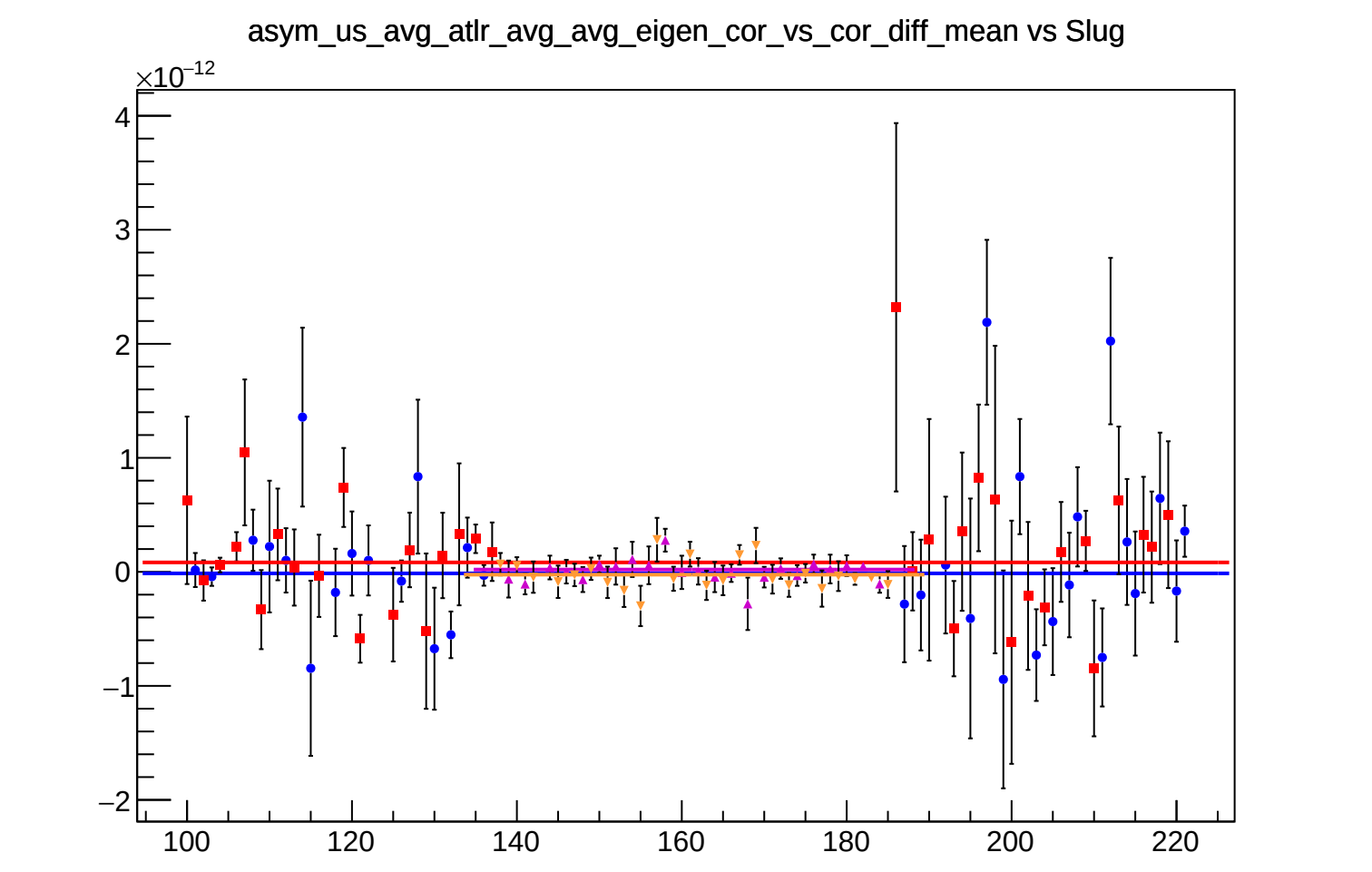
Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 247.658+/-0.030 χ^2/NDF: 9983304.4/57

All: 244.003+/-0.021 χ^2/NDF: 20570583.0/11

- sign 240.387+/-0.030 χ^2/NDF: 10558384.6/57



Right In: -0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

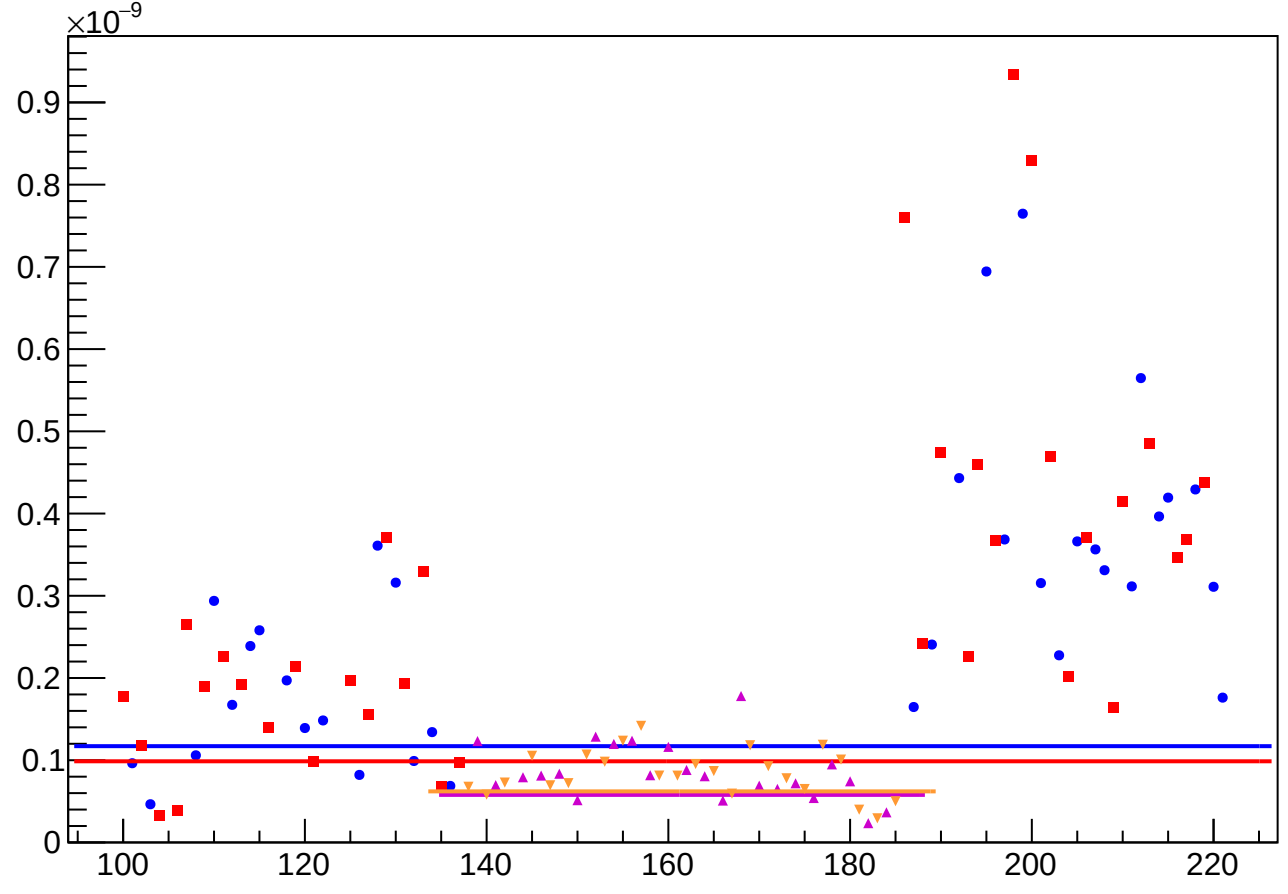
Right Out: 0.000+/-0.000 χ^2/NDF: 37.9/34

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/57

All: 0.000+/-0.000 χ^2/NDF: 135.3/115

- sign 0.000+/-0.000 χ^2/NDF: 57.0/57



Right In: 0.000+/-0.000 χ^2/NDF: 11195872.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12876428.8/34

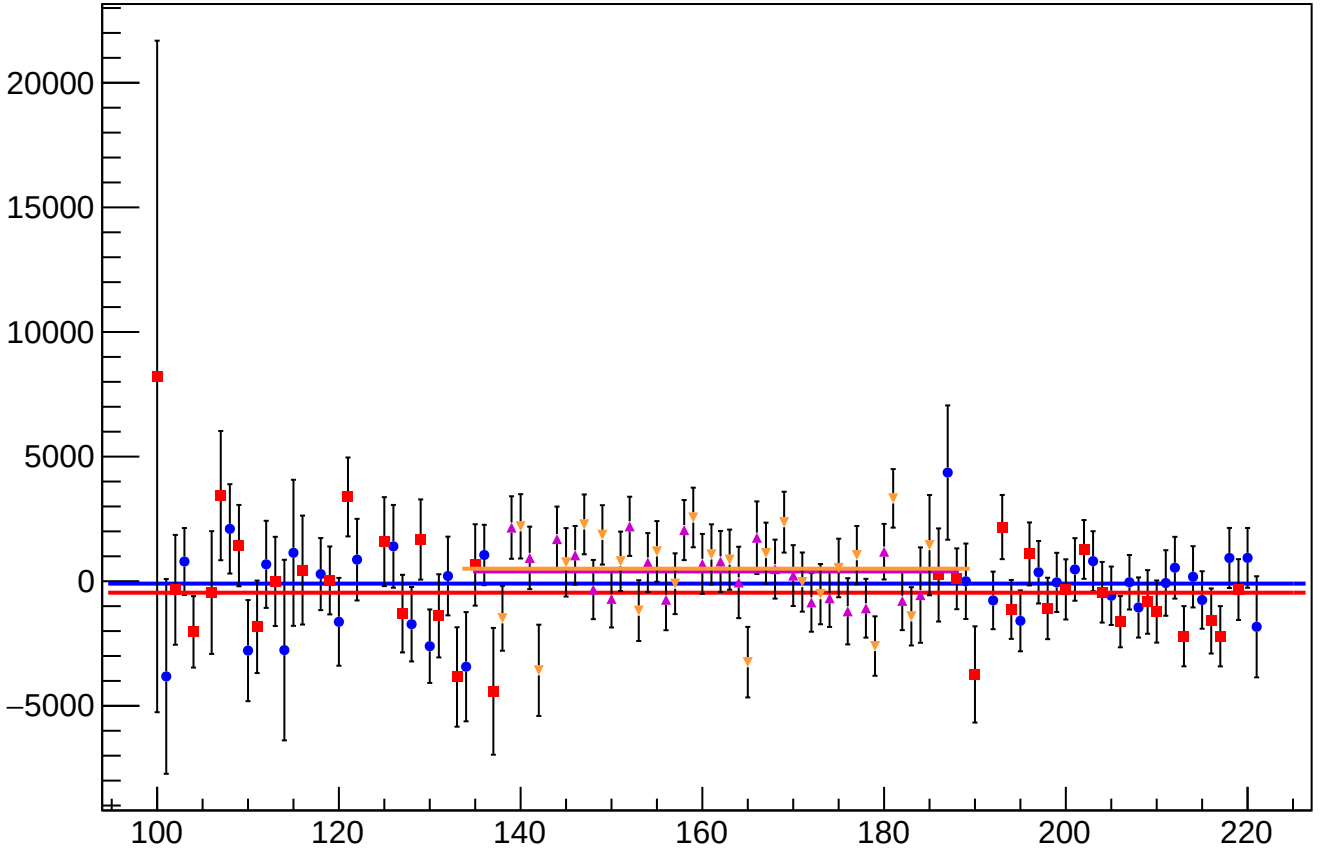
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17984408.8/57

All: 0.000+/-0.000 χ^2/NDF: 38133713.3/115

- sign 0.000+/-0.000 χ^2/NDF: 20001476.4/57

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.591+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -460.110+/-248.980 χ^2/NDF: 39.8/34

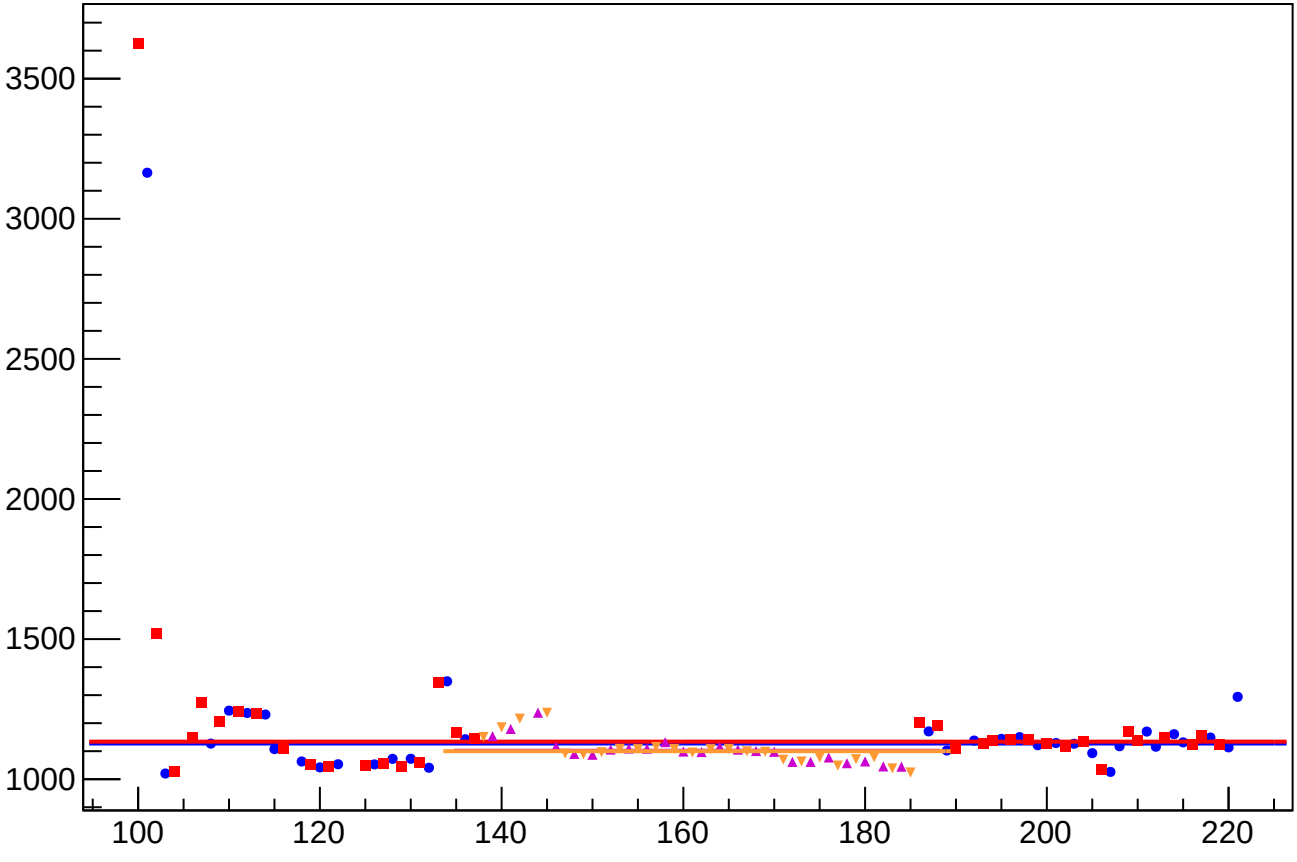
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 191.779+/-176.961 χ^2/NDF: 71.4/57

All: 73.062+/-125.829 χ^2/NDF: 135.6/115

- sign -48.342+/-178.953 χ^2/NDF: 63.3/57

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.377+/-0.173 χ^2/NDF: 660817.0/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

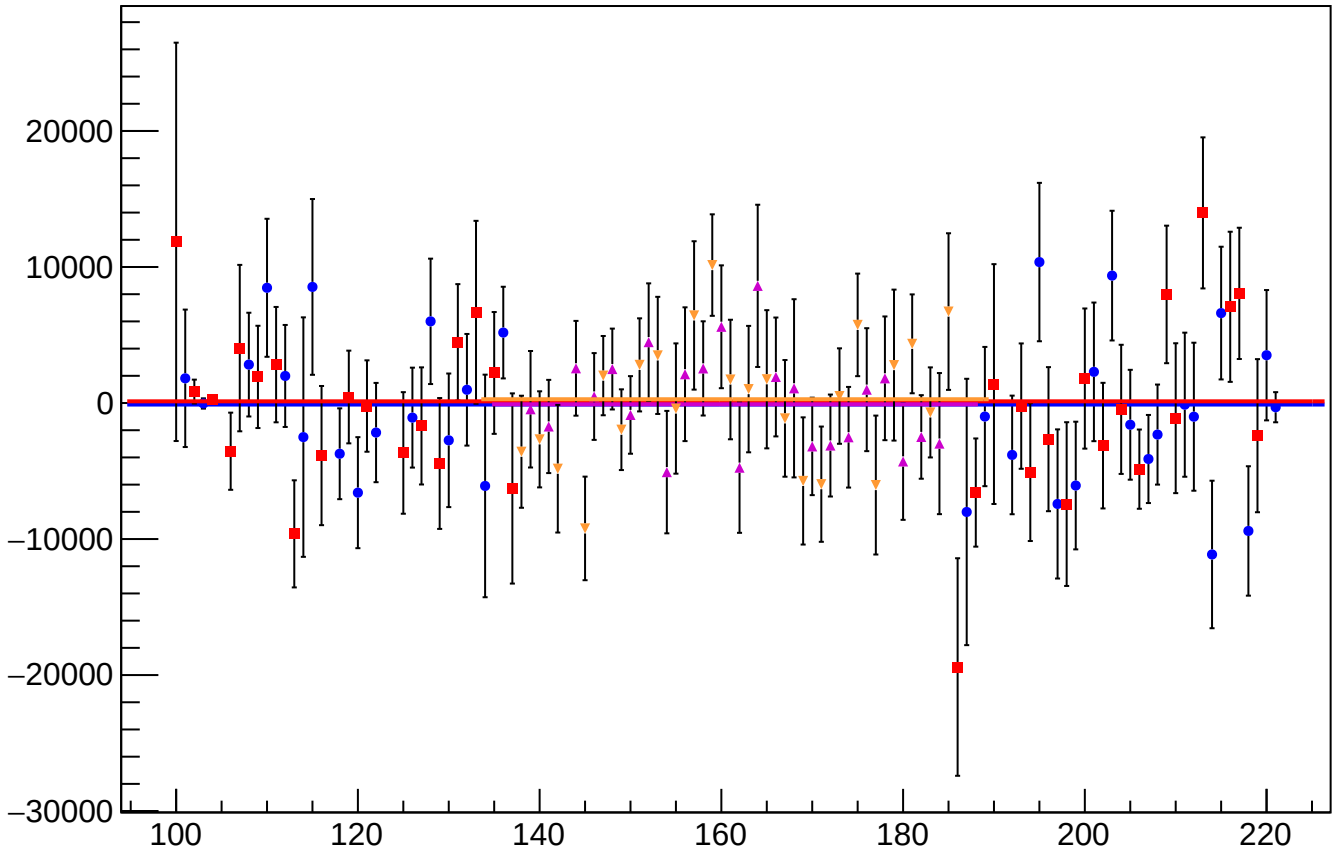
Right Out: 1134.038+/-0.176 χ^2/NDF: 250417.1/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1114.278+/-0.125 χ^2/NDF: 731442.8/57

All: 1116.283+/-0.089 χ^2/NDF: 1051016.3/11

- sign 1118.333+/-0.126 χ^2/NDF: 319054.1/57



Right In: -112.366+/-326.363 χ^2/NDF: 39.7/33

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

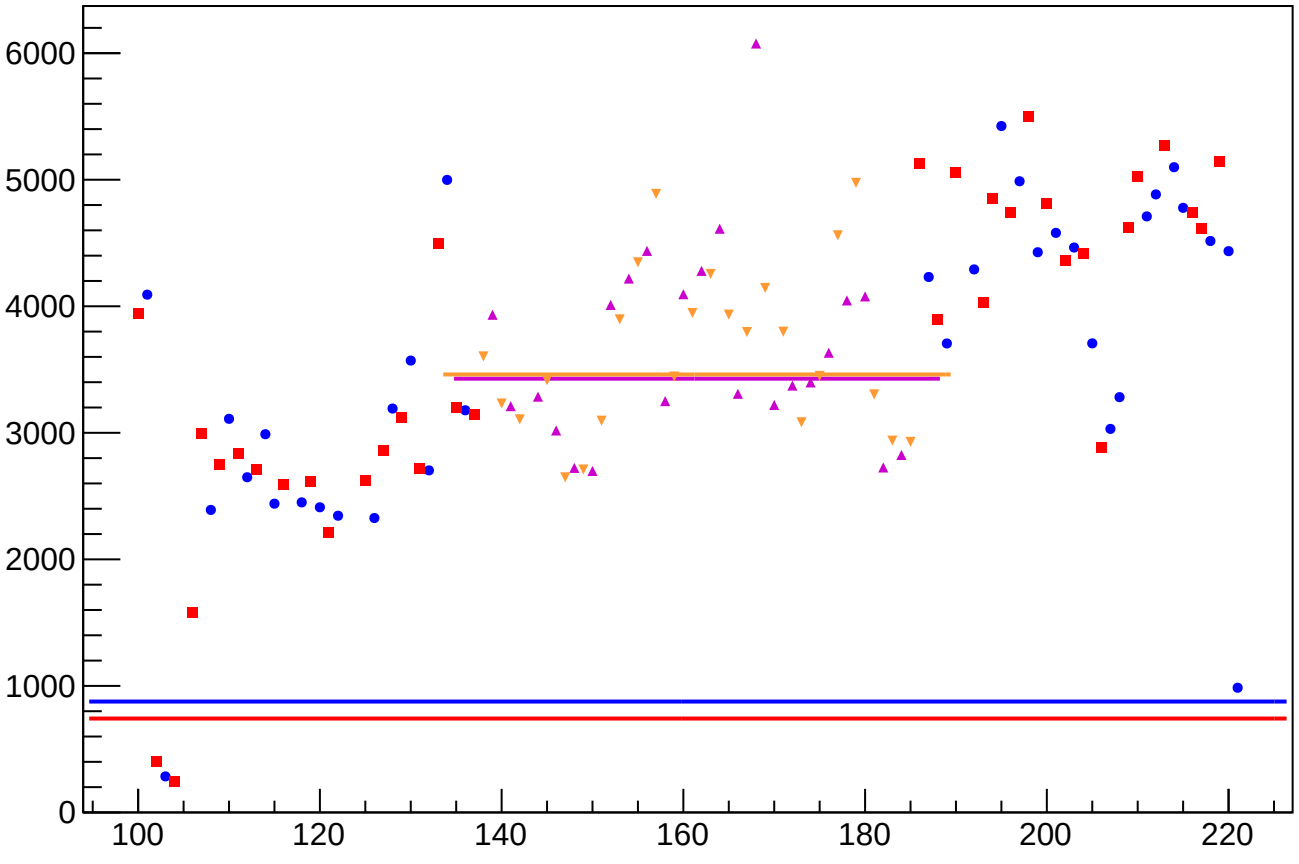
Right Out: 124.769+/-311.409 χ^2/NDF: 44.2/34

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign -59.108+/-303.254 χ^2/NDF: 69.8/57

All: 22.131+/-209.966 χ^2/NDF: 127.8/115

- sign 96.937+/-290.998 χ^2/NDF: 57.9/57



Right In: 876.453+/-0.231 χ^2/NDF: 28801702.6/33

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 742.158+/-0.220 χ^2/NDF: 29610824.9/34

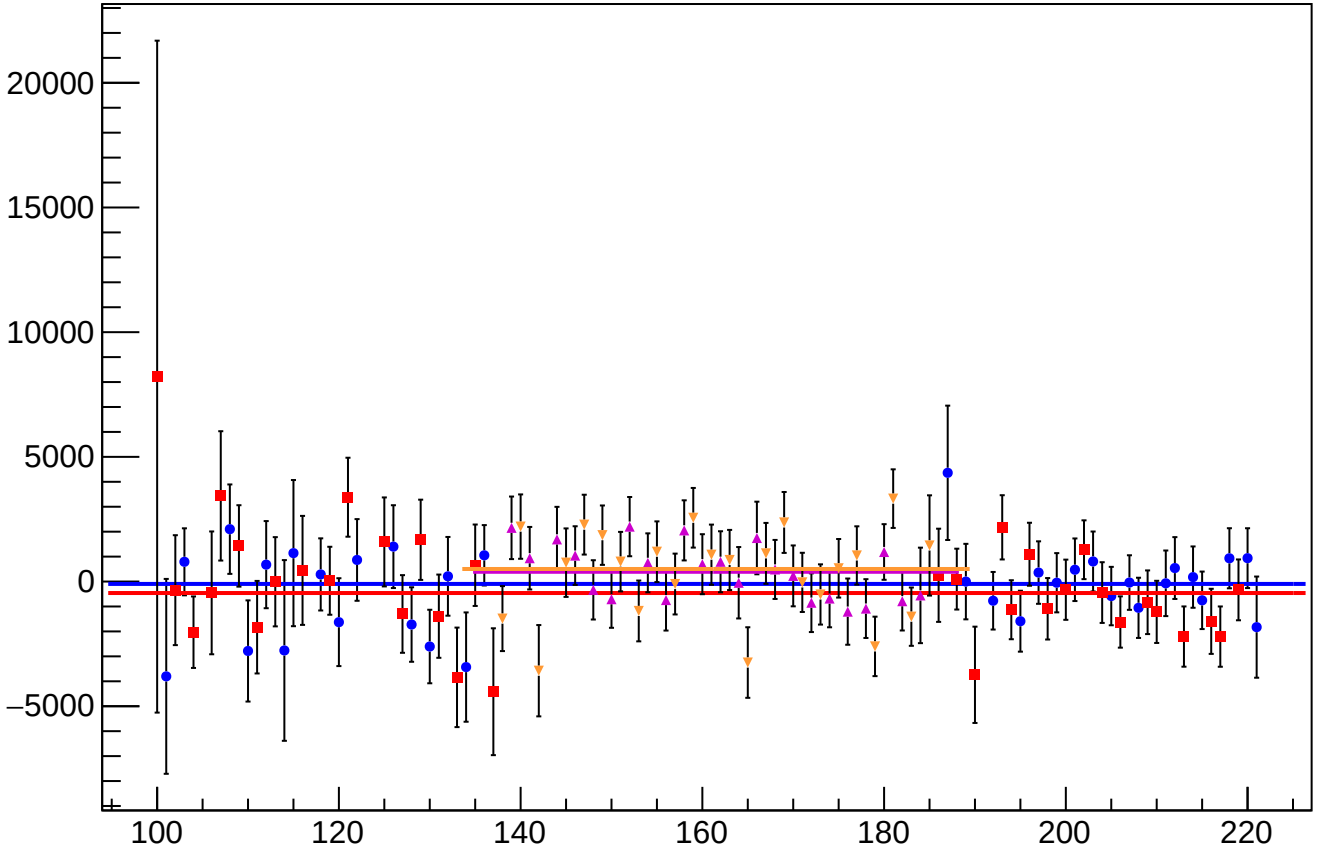
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1229.541+/-0.214 χ^2/NDF: 46997550.6/57

All: 1153.088+/-0.148 χ^2/NDF: 96957394.7/1

- sign 1082.689+/-0.206 χ^2/NDF: 49715674.7/57

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.515+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -460.132+/-248.980 χ^2/NDF: 39.8/34

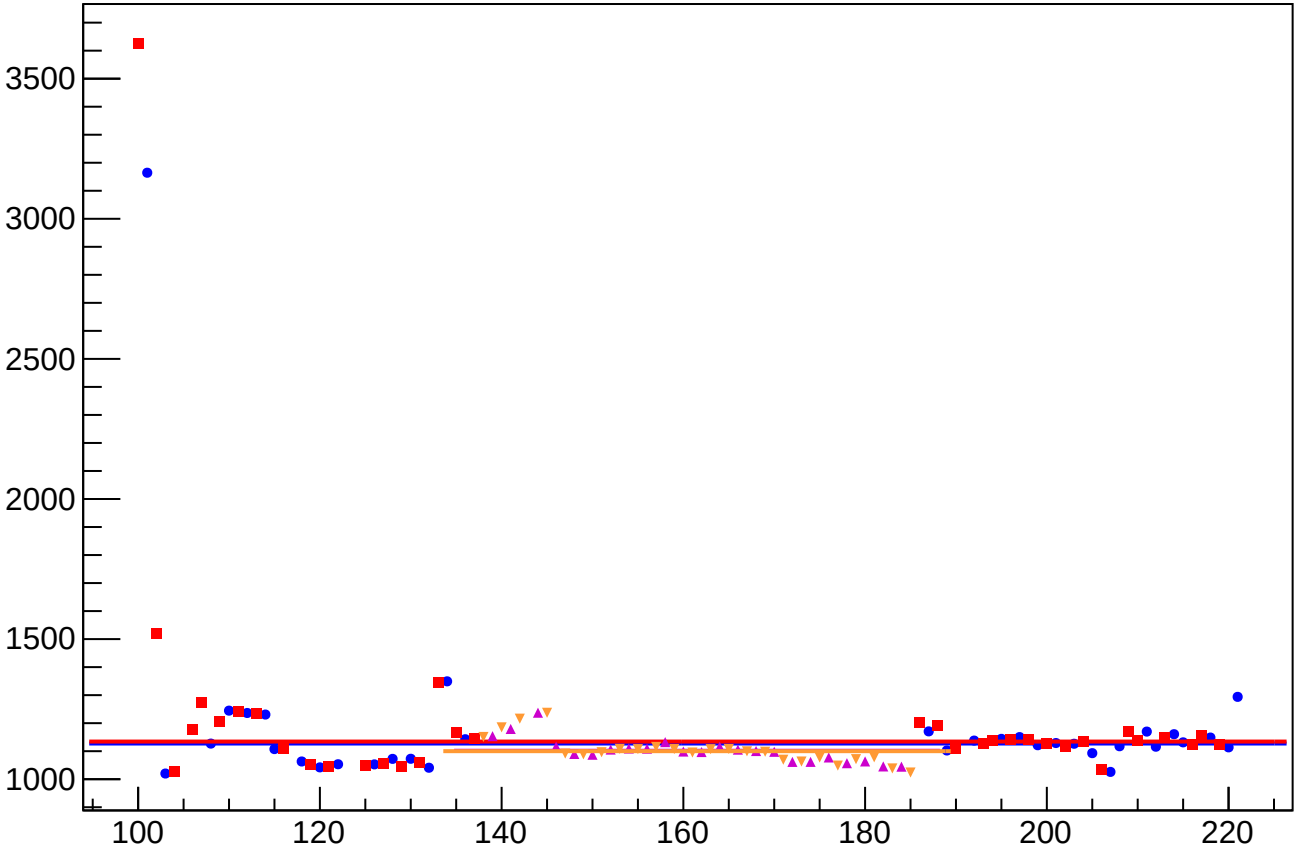
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 191.853+/-176.961 χ^2/NDF: 71.4/57

All: 73.091+/-125.829 χ^2/NDF: 135.6/115

- sign -48.360+/-178.953 χ^2/NDF: 63.3/57

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.377+/-0.173 χ^2/NDF: 660818.1/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

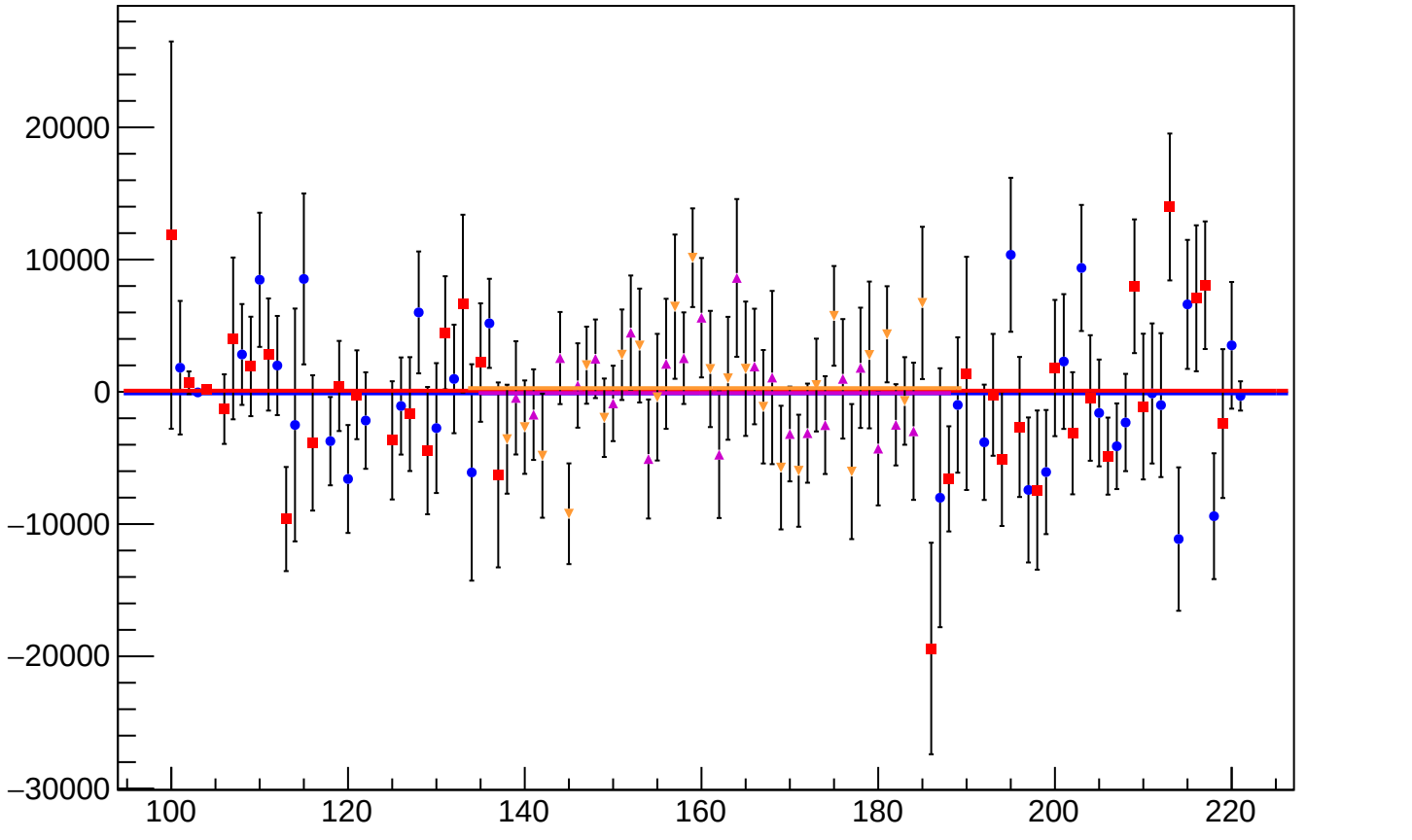
Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1114.278+/-0.125 χ^2/NDF: 731443.8/57

All: 1116.361+/-0.089 χ^2/NDF: 1051982.4/11

- sign 1118.491+/-0.127 χ^2/NDF: 319978.1/57



Right In: -117.395+/-316.296 χ^2/NDF: 39.7/33

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

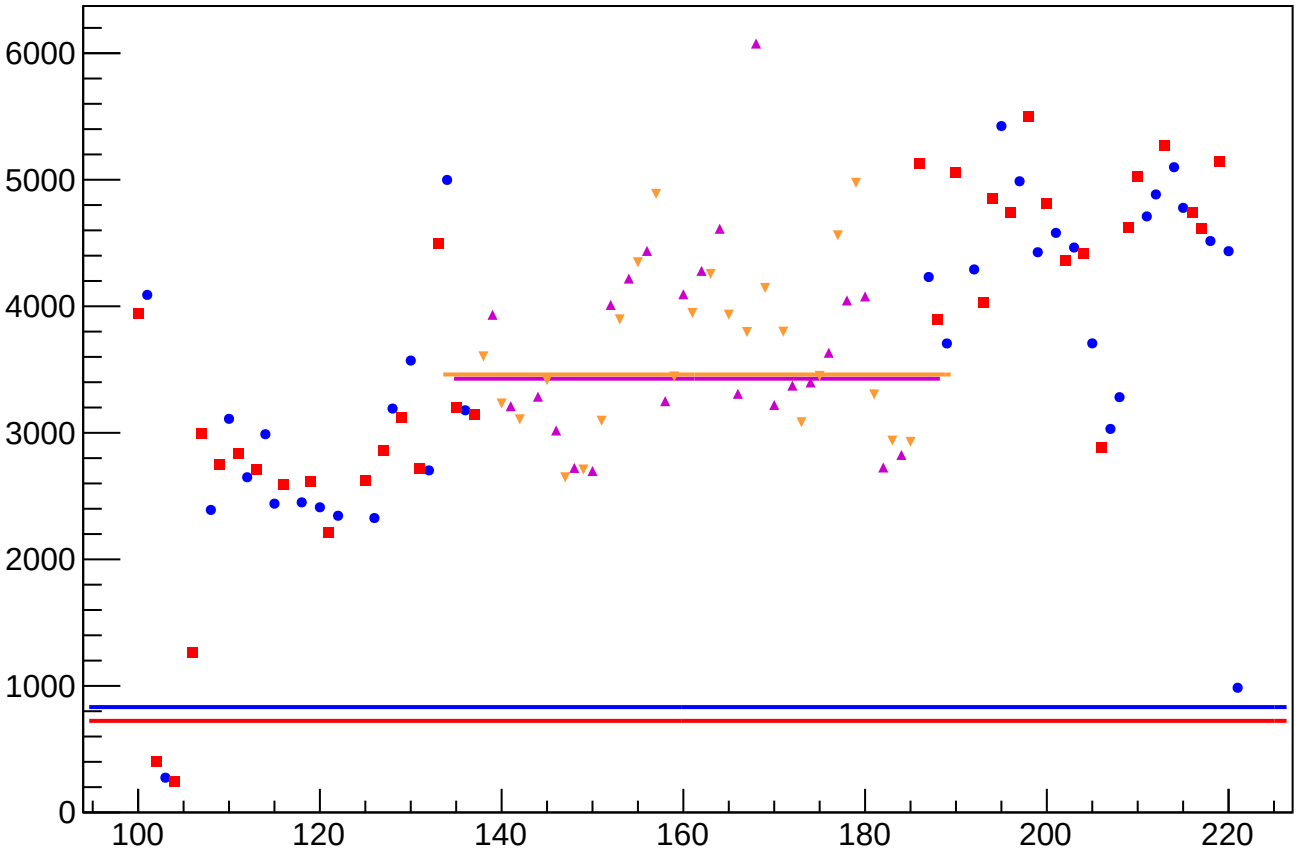
Right Out: 84.637+/-306.742 χ^2/NDF: 42.5/34

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -66.299+/-295.127 χ^2/NDF: 69.8/57

All: -0.149+/-205.819 χ^2/NDF: 126.1/115

- sign 62.486+/-287.179 χ^2/NDF: 56.2/57



Right In: 832.647+/-0.224 χ^2/NDF: 29375985.7/33

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

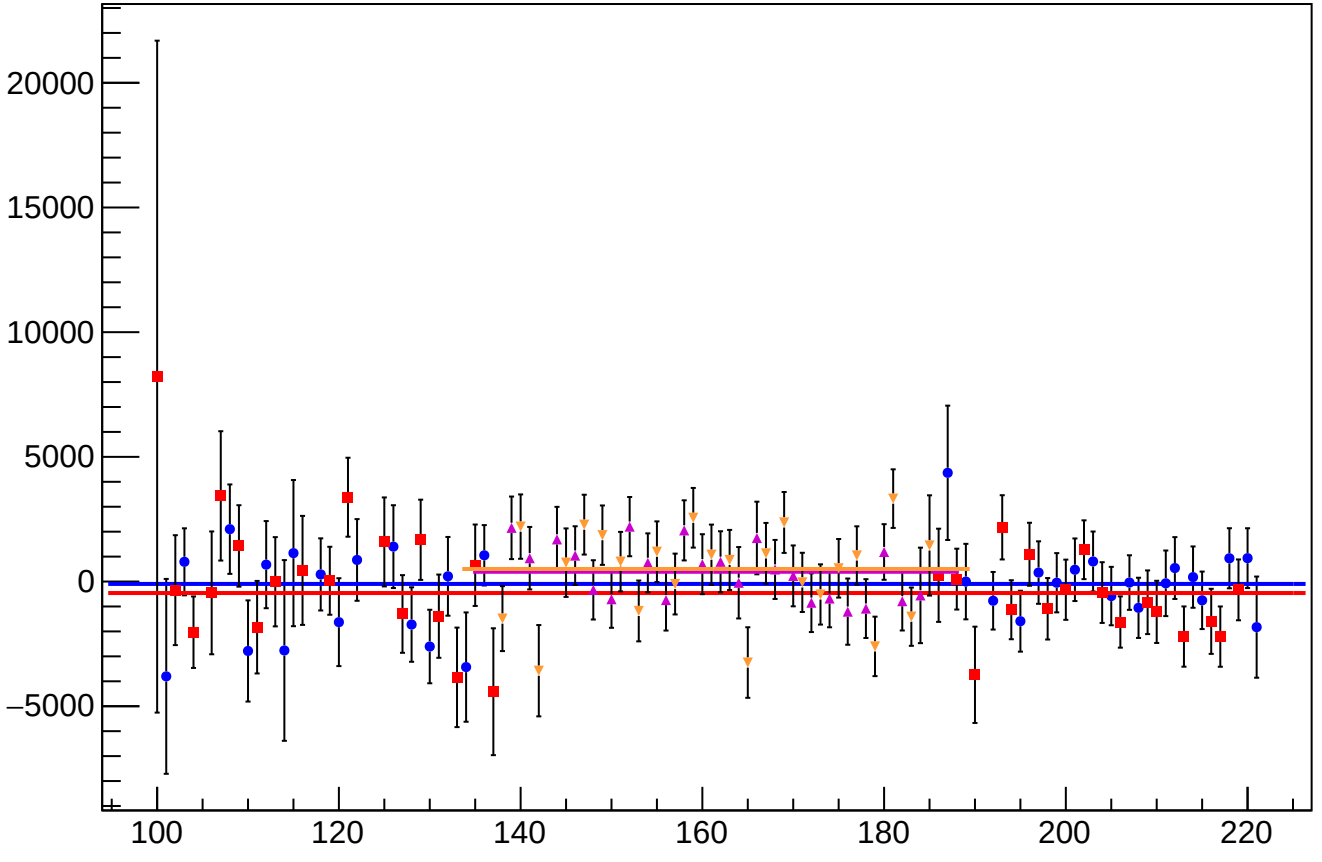
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1172.730+/-0.209 χ^2/NDF: 48305918.4/57

All: 1113.691+/-0.146 χ^2/NDF: 98586612.2/1

- sign 1057.789+/-0.203 χ^2/NDF: 50124870.8/57

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.515+/-245.305 χ^2/NDF: 24.0/33

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -460.132+/-248.980 χ^2/NDF: 39.8/34

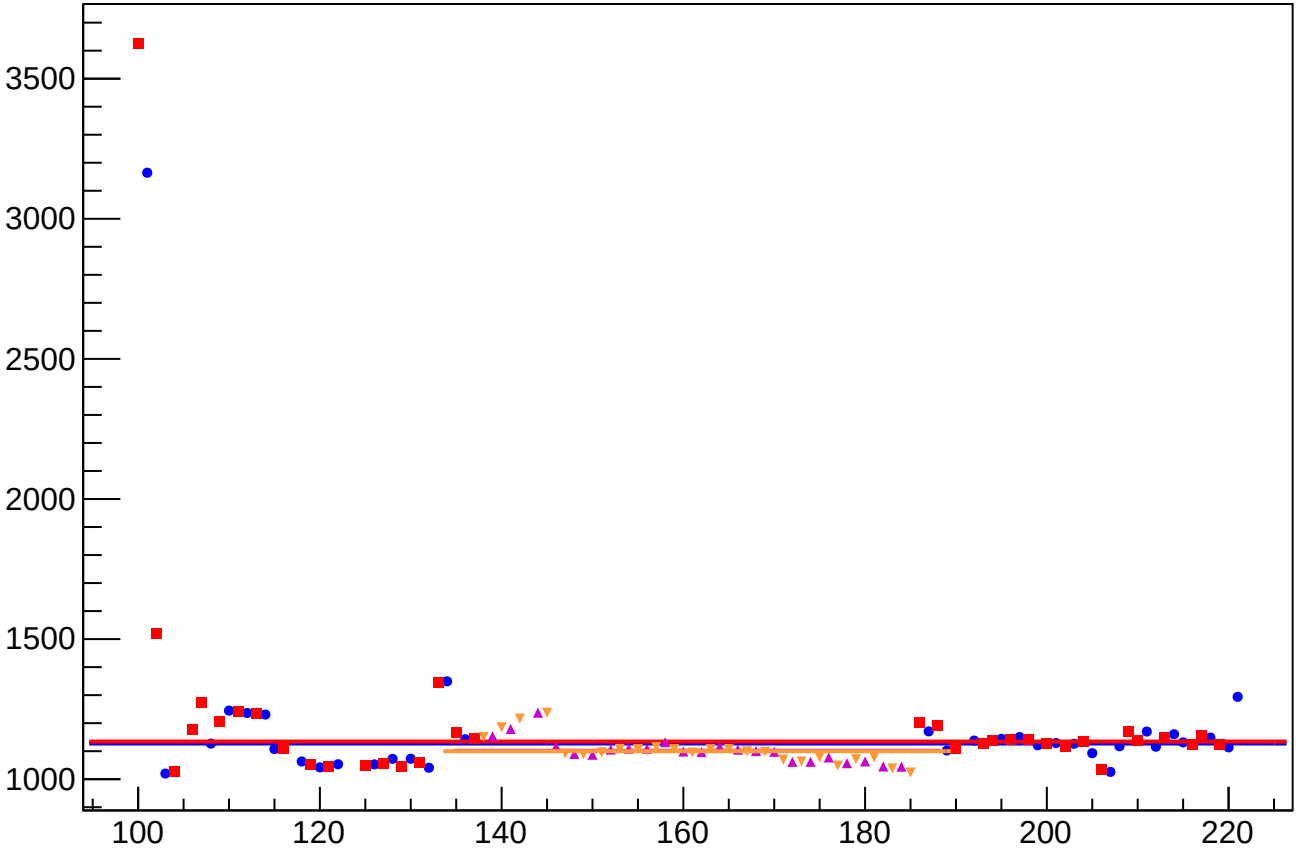
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 191.853+/-176.961 χ^2/NDF: 71.4/57

All: 73.091+/-125.829 χ^2/NDF: 135.6/115

- sign -48.360+/-178.953 χ^2/NDF: 63.3/57

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.377+/-0.173 χ^2/NDF: 660818.1/33

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

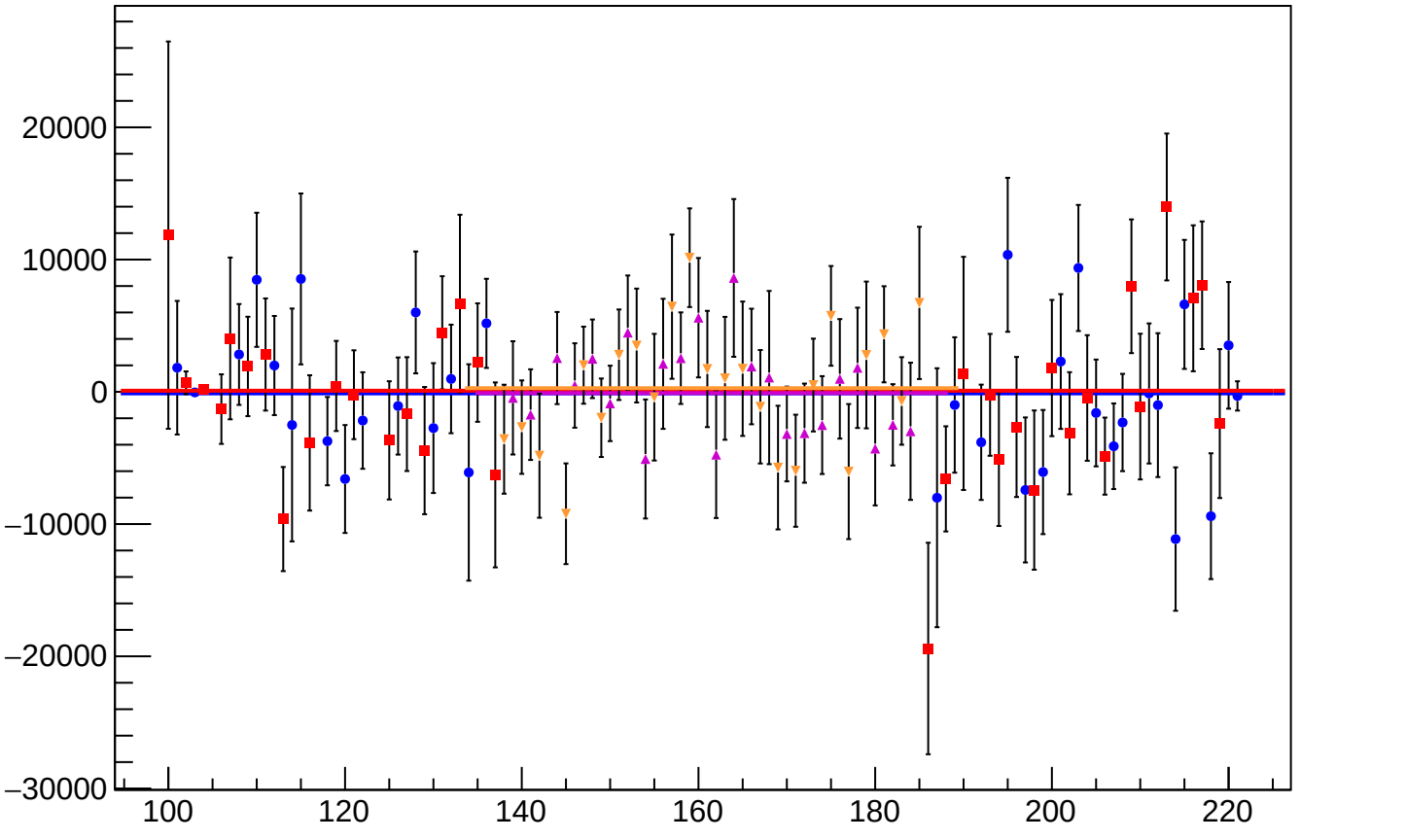
Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1114.278+/-0.125 χ^2/NDF: 731443.8/57

All: 1116.361+/-0.089 χ^2/NDF: 1051982.4/11

- sign 1118.491+/-0.127 χ^2/NDF: 319978.1/57



Right In: -117.395+/-316.296 χ^2/NDF: 39.7/33

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

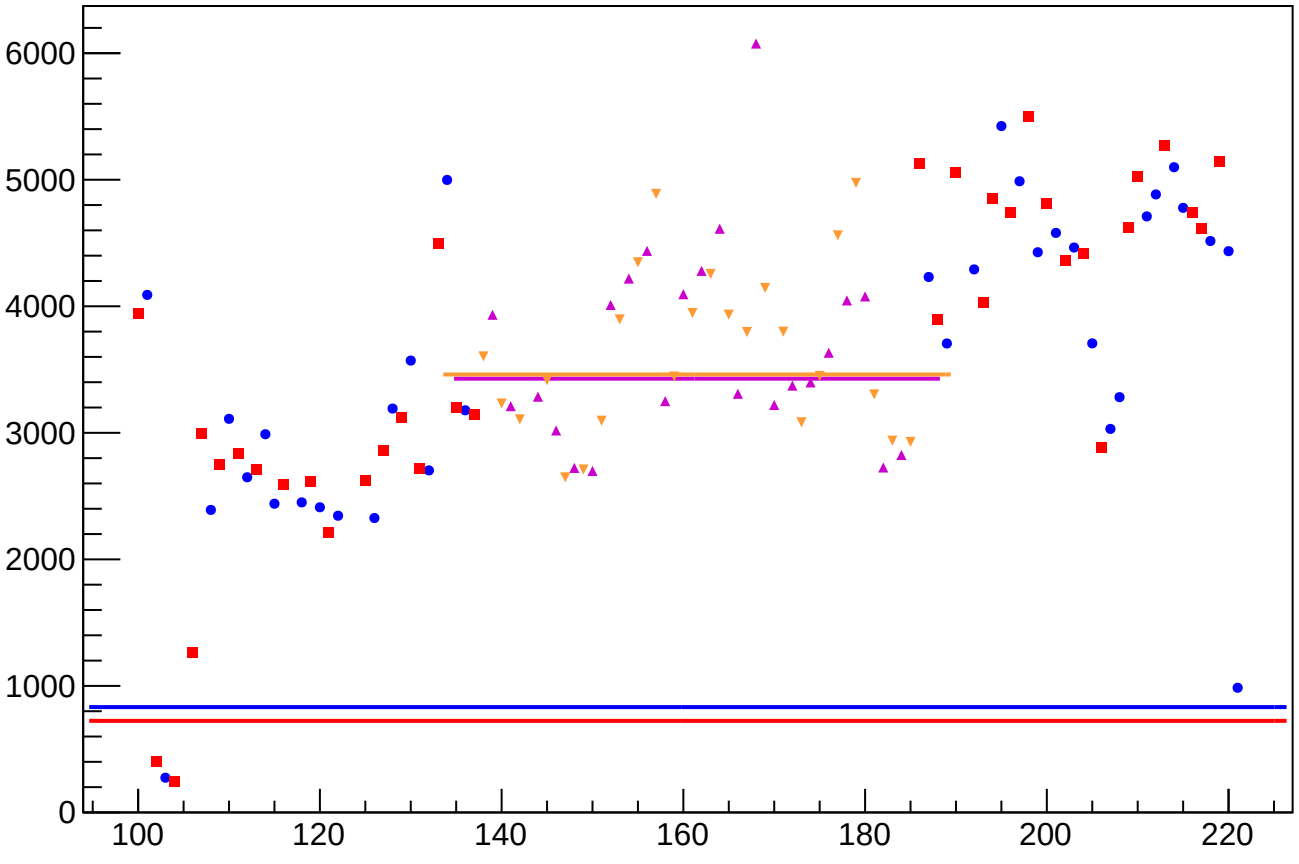
Right Out: 84.637+/-306.742 χ^2/NDF: 42.5/34

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -66.299+/-295.127 χ^2/NDF: 69.8/57

All: -0.149+/-205.819 χ^2/NDF: 126.1/115

- sign 62.486+/-287.179 χ^2/NDF: 56.2/57



Right In: 832.647+/-0.224 χ^2/NDF: 29375985.7/33

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

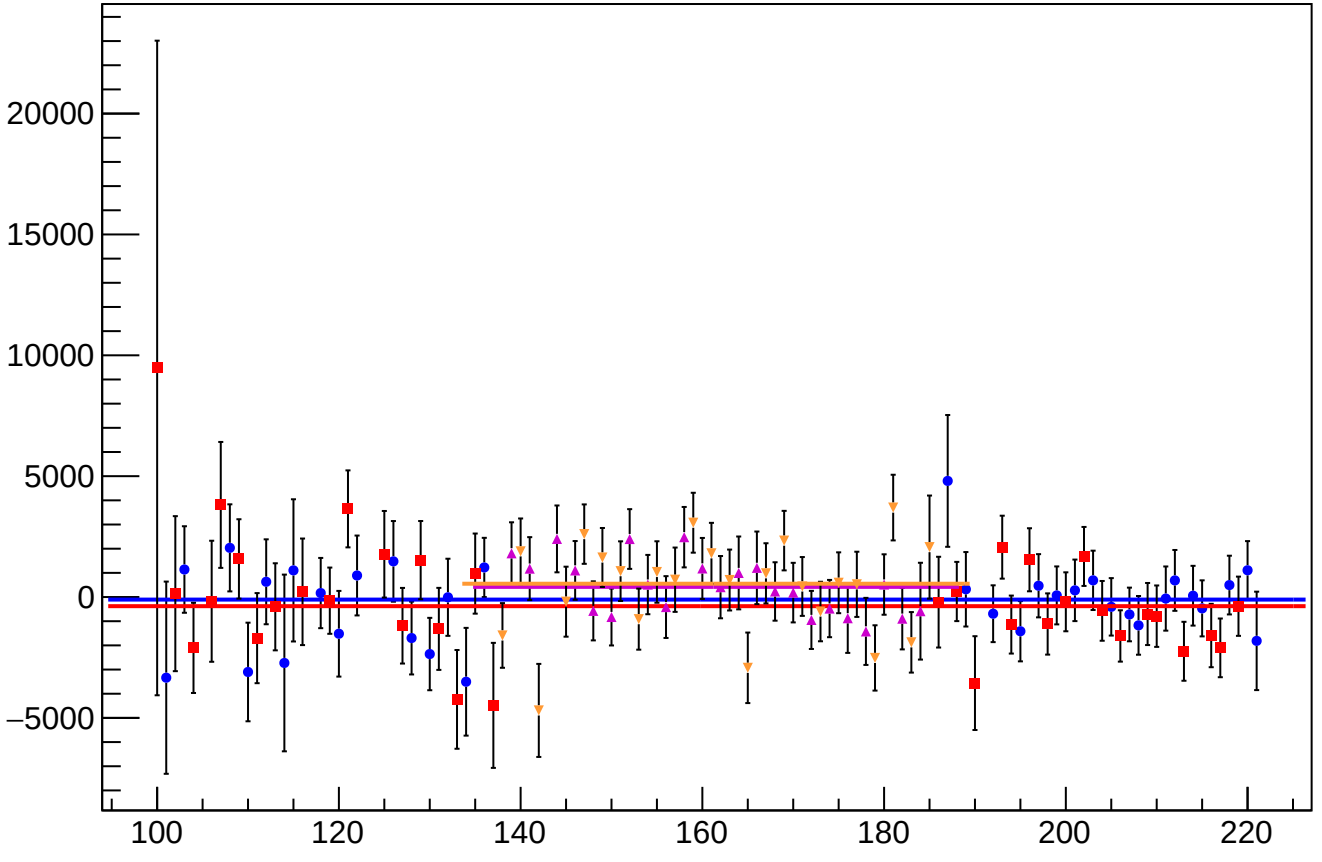
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1172.730+/-0.209 χ^2/NDF: 48305918.4/57

All: 1113.691+/-0.146 χ^2/NDF: 98586612.2/1

- sign 1057.789+/-0.203 χ^2/NDF: 50124870.8/57

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -105.626+/-250.077 χ^2/NDF: 23.4/33

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.754+/-254.648 χ^2/NDF: 41.5/34

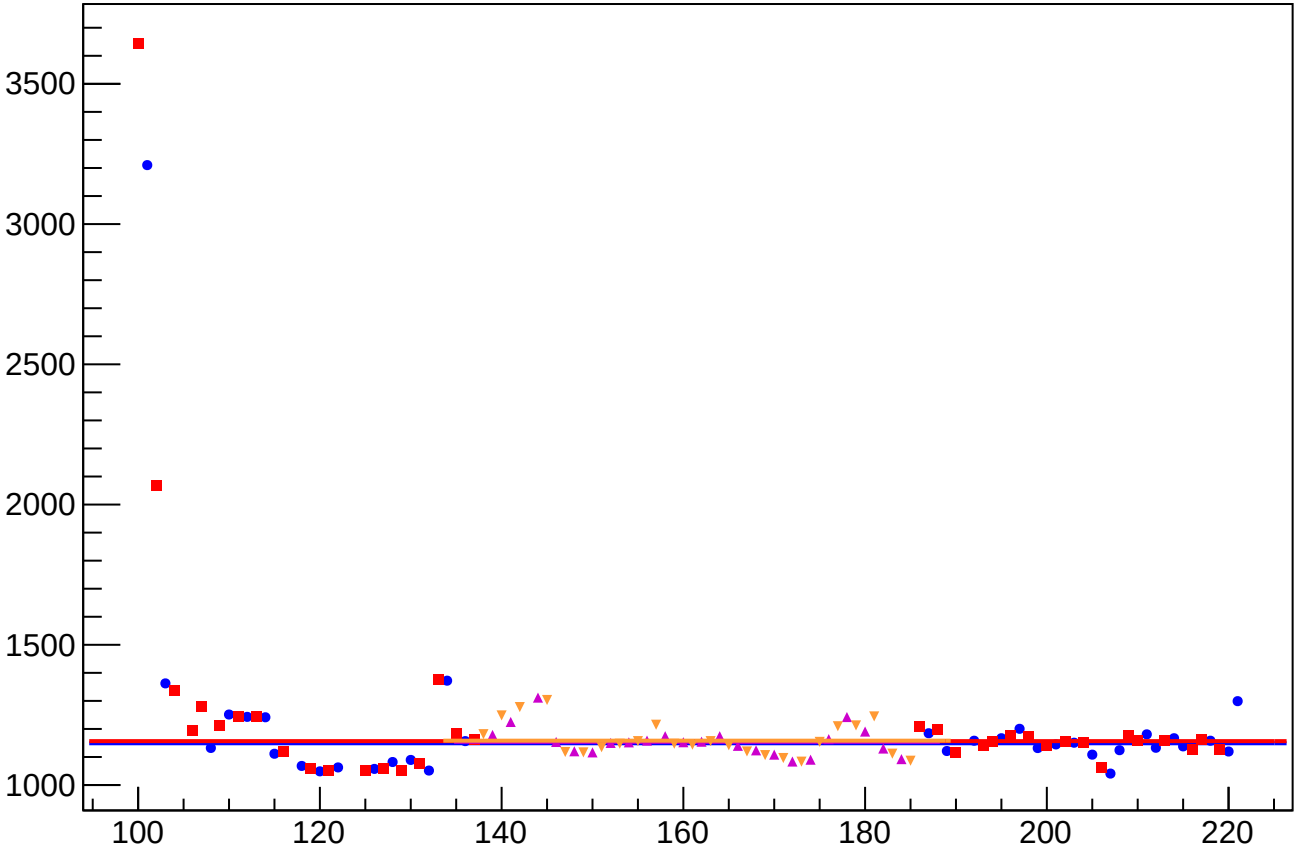
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 198.374+/-183.221 χ^2/NDF: 71.8/57

All: 99.533+/-130.248 χ^2/NDF: 136.6/115

- sign -1.446+/-185.193 χ^2/NDF: 64.2/57

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1148.934+/-0.177 χ^2/NDF: 678749.4/33

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1156.576+/-0.180 χ^2/NDF: 358334.6/34

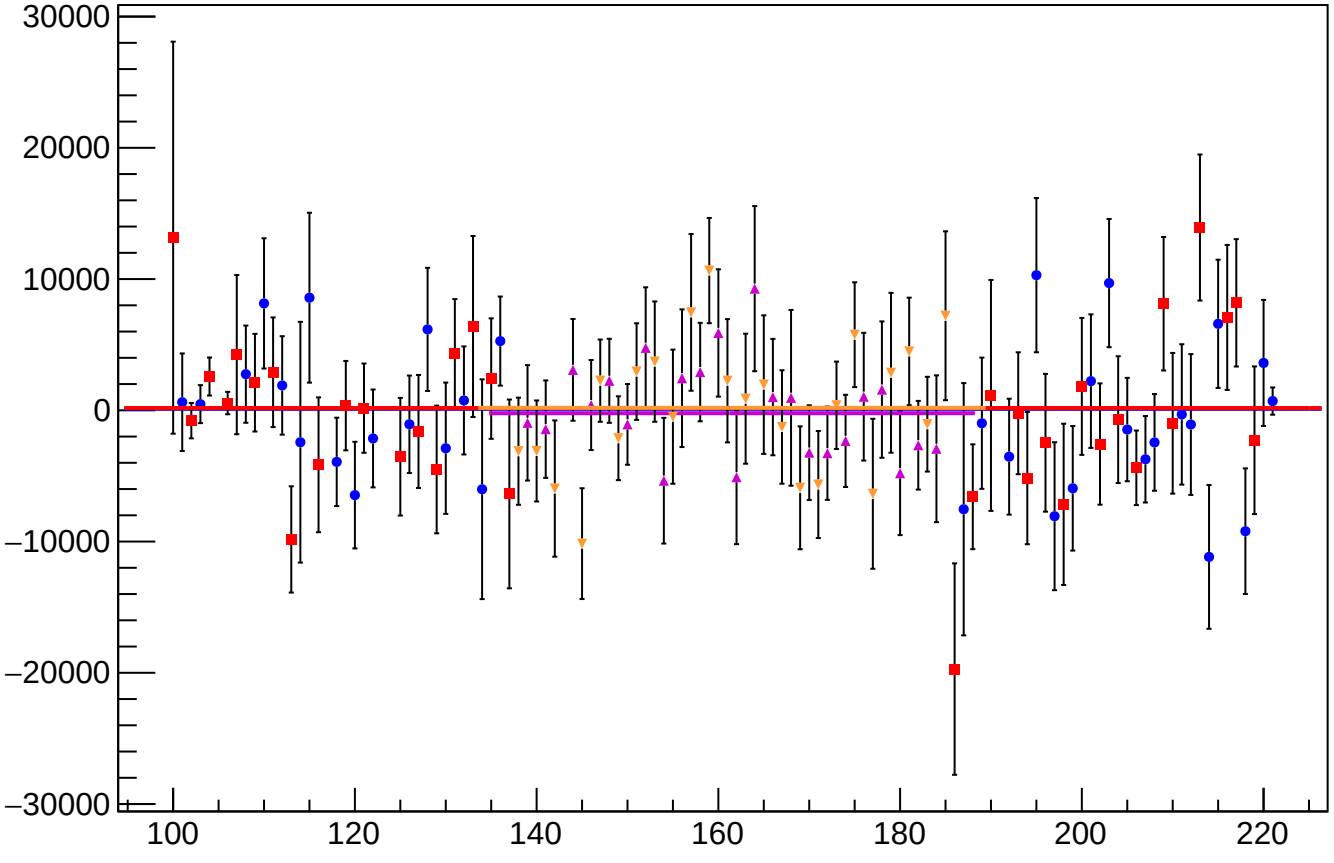
Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1153.216+/-0.130 χ^2/NDF: 764126.5/57

All: 1154.331+/-0.092 χ^2/NDF: 1189167.9/11

- sign 1155.471+/-0.131 χ^2/NDF: 424891.5/57

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 113.694+/-578.467 χ^2/NDF: 39.5/33

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

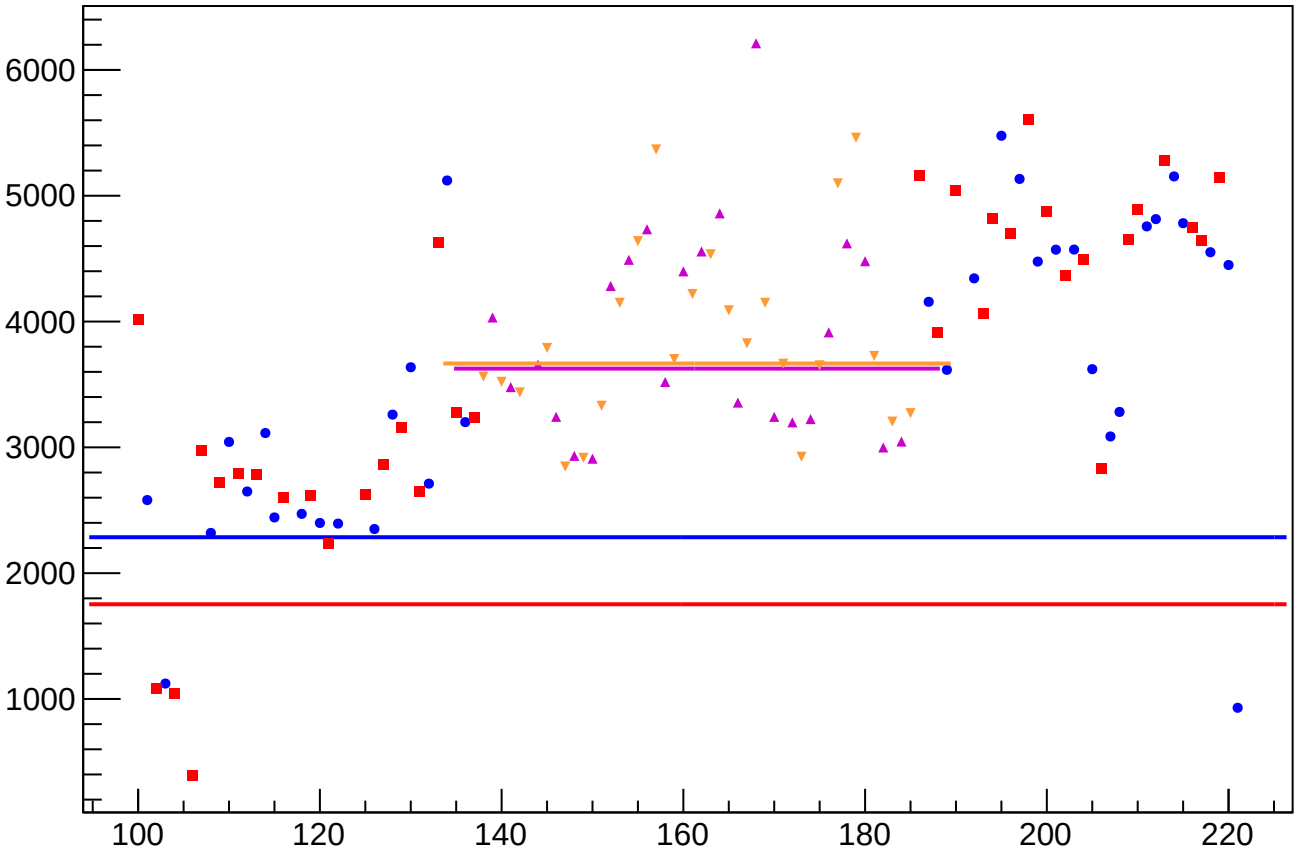
Right Out: 173.771+/-511.276 χ^2/NDF: 44.8/34

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

\+ sign 137.027+/-481.609 χ^2/NDF: 68.8/57

All: 101.280+/-324.887 χ^2/NDF: 127.1/115

\- sign 71.428+/-440.111 χ^2/NDF: 58.3/57



Right In: 2285.726+/-0.409 χ^2/NDF: 11753855.8/33

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

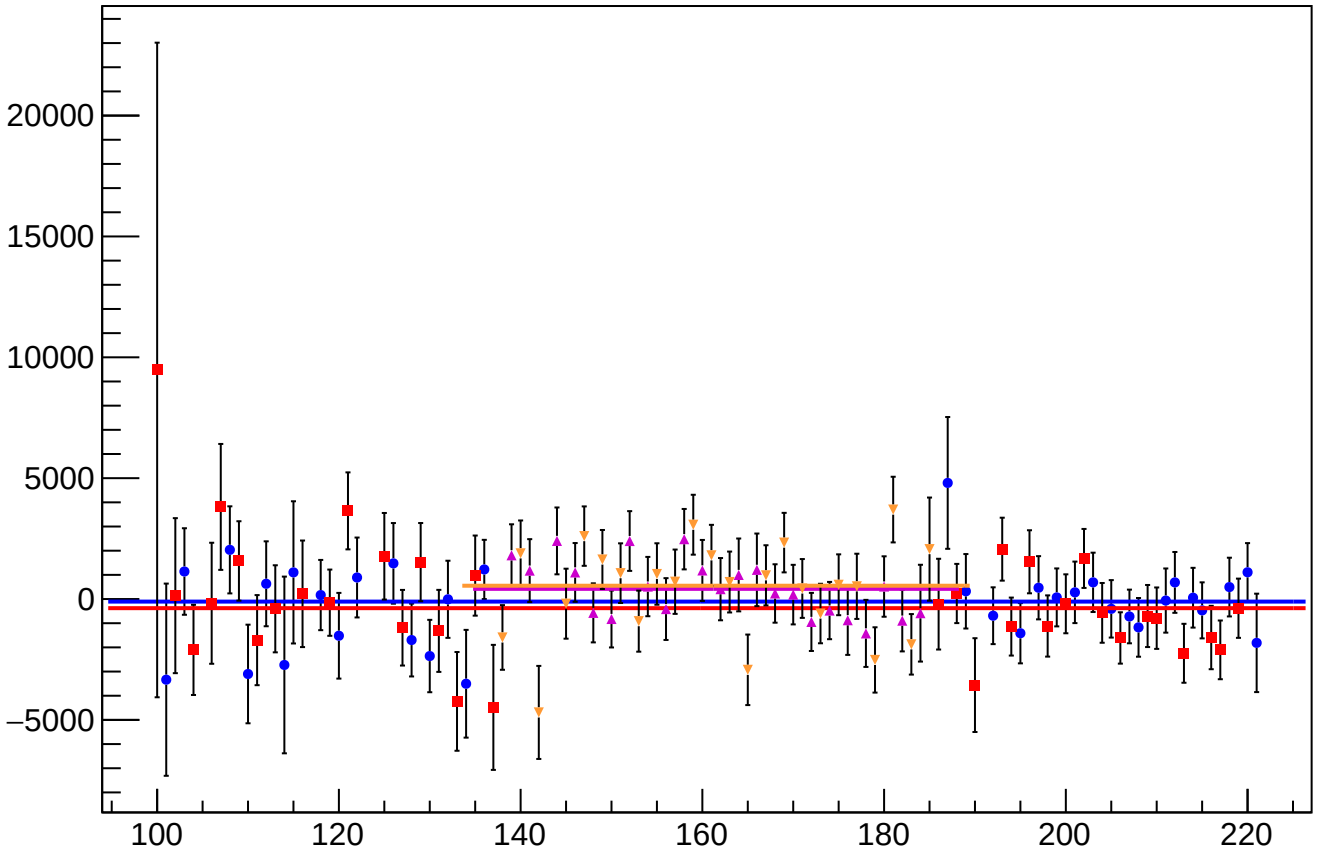
Right Out: 1752.806+/-0.362 χ^2/NDF: 18255607.1/34

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2709.419+/-0.341 χ^2/NDF: 16346379.1/57

All: 2452.510+/-0.230 χ^2/NDF: 43857307.6/1

- sign 2237.967+/-0.311 χ^2/NDF: 26466552.1/57



Right In: -105.623+/-250.077 χ^2/NDF: 23.4/33

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.757+/-254.648 χ^2/NDF: 41.5/34

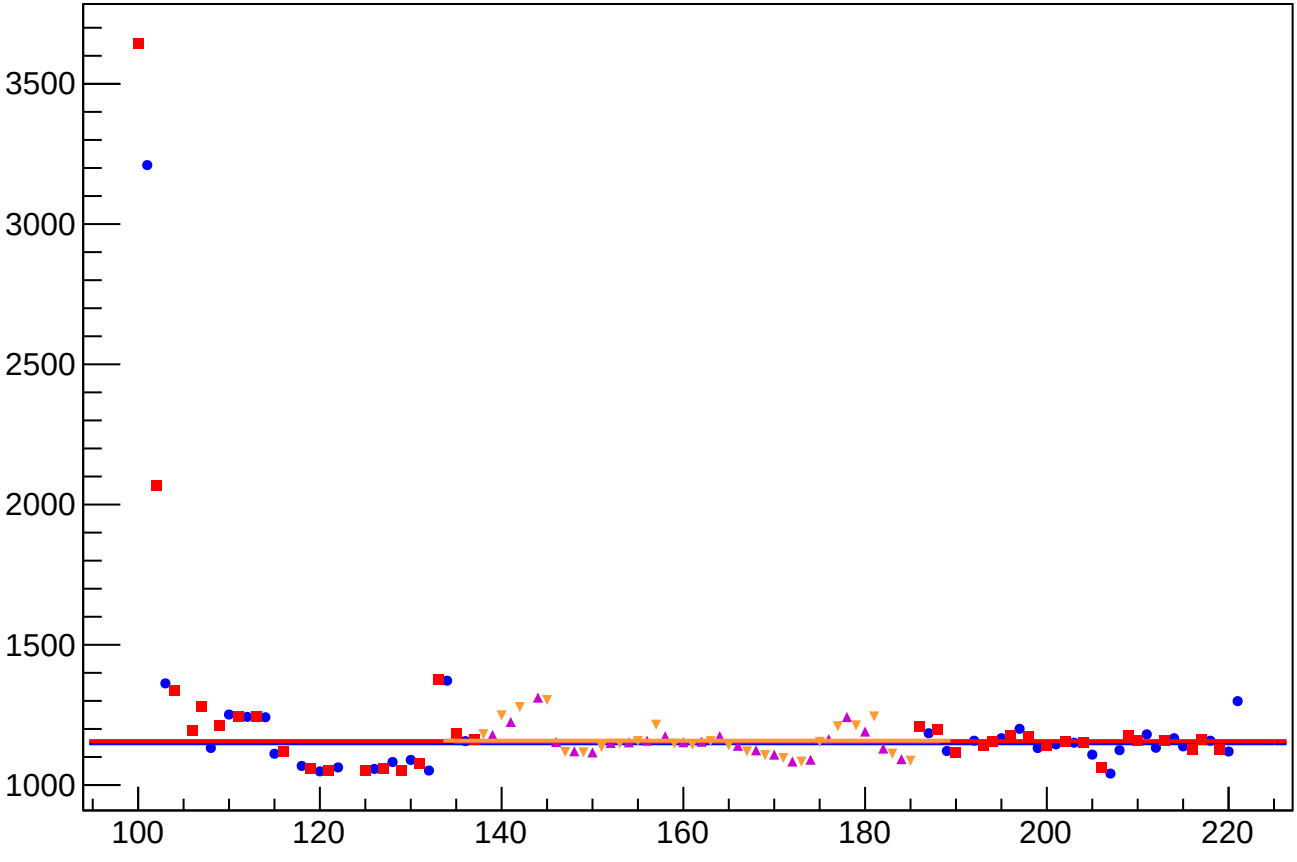
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 198.376+/-183.221 χ^2/NDF: 71.8/57

All: 99.533+/-130.248 χ^2/NDF: 136.6/115

- sign -1.449+/-185.193 χ^2/NDF: 64.2/57

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1148.934+/-0.177 χ^2/NDF: 678749.8/33

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

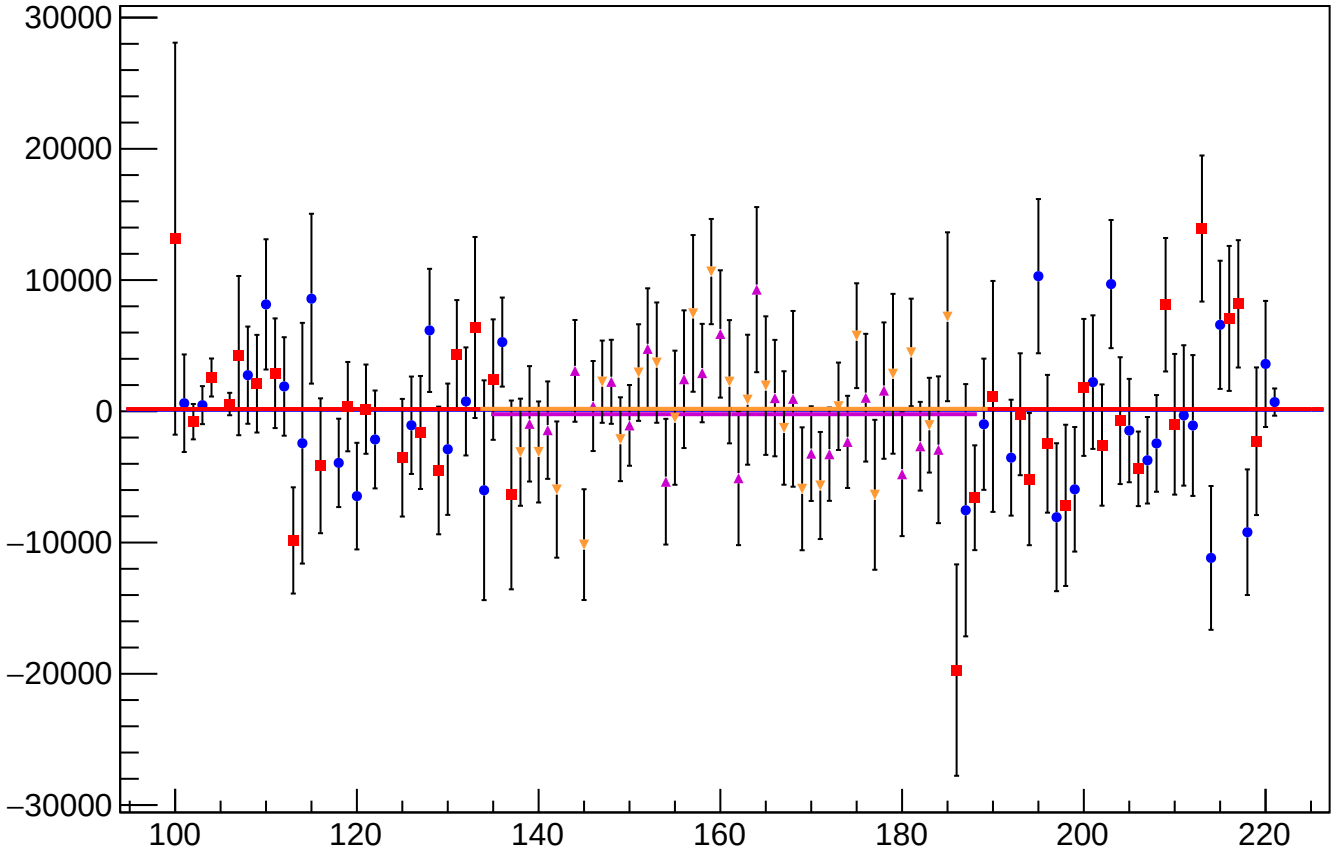
Right Out: 1156.575+/-0.180 χ^2/NDF: 358334.4/34

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1153.216+/-0.130 χ^2/NDF: 764129.8/57

All: 1154.332+/-0.092 χ^2/NDF: 1189173.4/11

- sign 1155.471+/-0.131 χ^2/NDF: 424893.7/57



Right In: 113.690+/-578.467 χ^2/NDF: 39.5/33

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

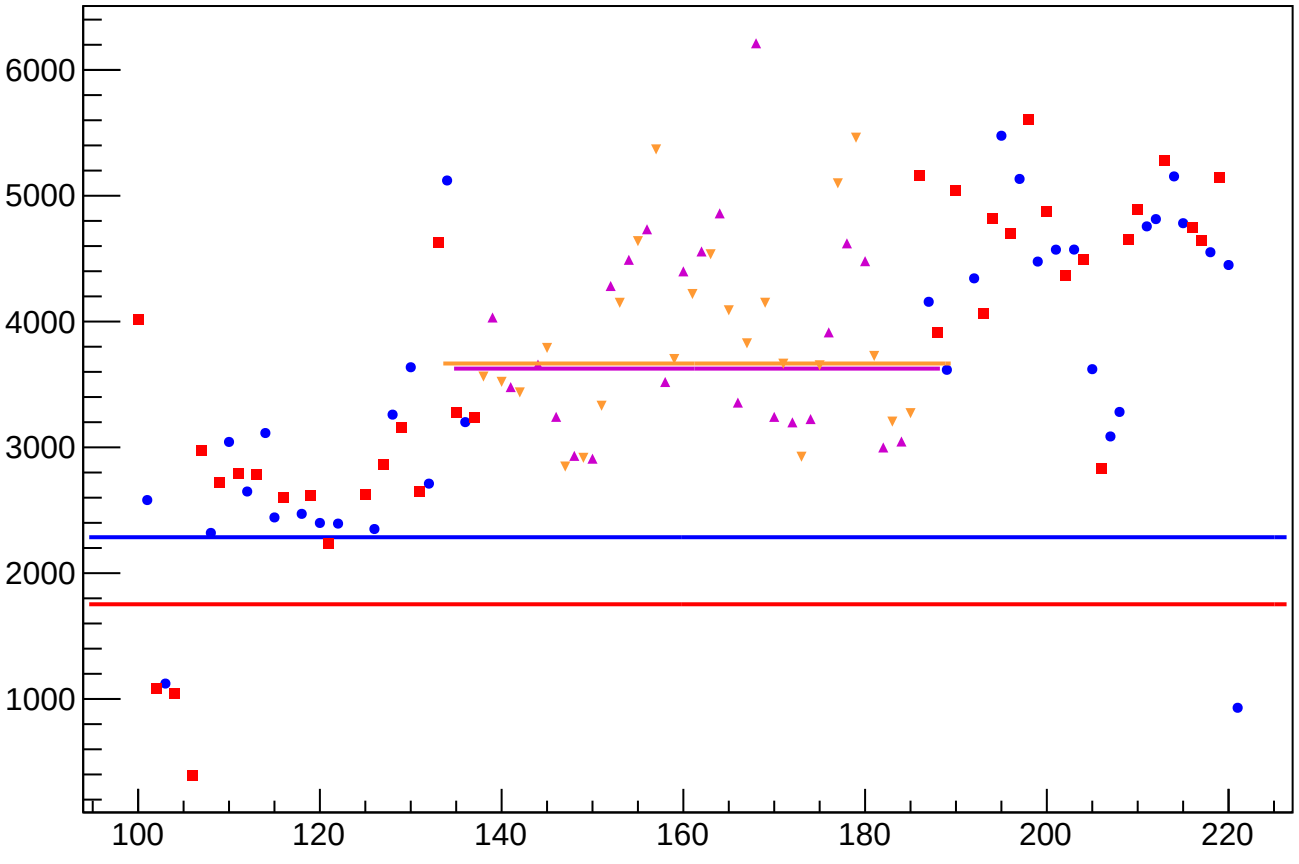
Right Out: 173.776+/-511.271 χ^2/NDF: 44.8/34

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 137.024+/-481.609 χ^2/NDF: 68.8/57

All: 101.281+/-324.886 χ^2/NDF: 127.1/115

- sign 71.433+/-440.108 χ^2/NDF: 58.3/57



Right In: 2285.723+/-0.409 χ^2/NDF: 11753895.5/33

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1752.776+/-0.362 χ^2/NDF: 18255970.8/34

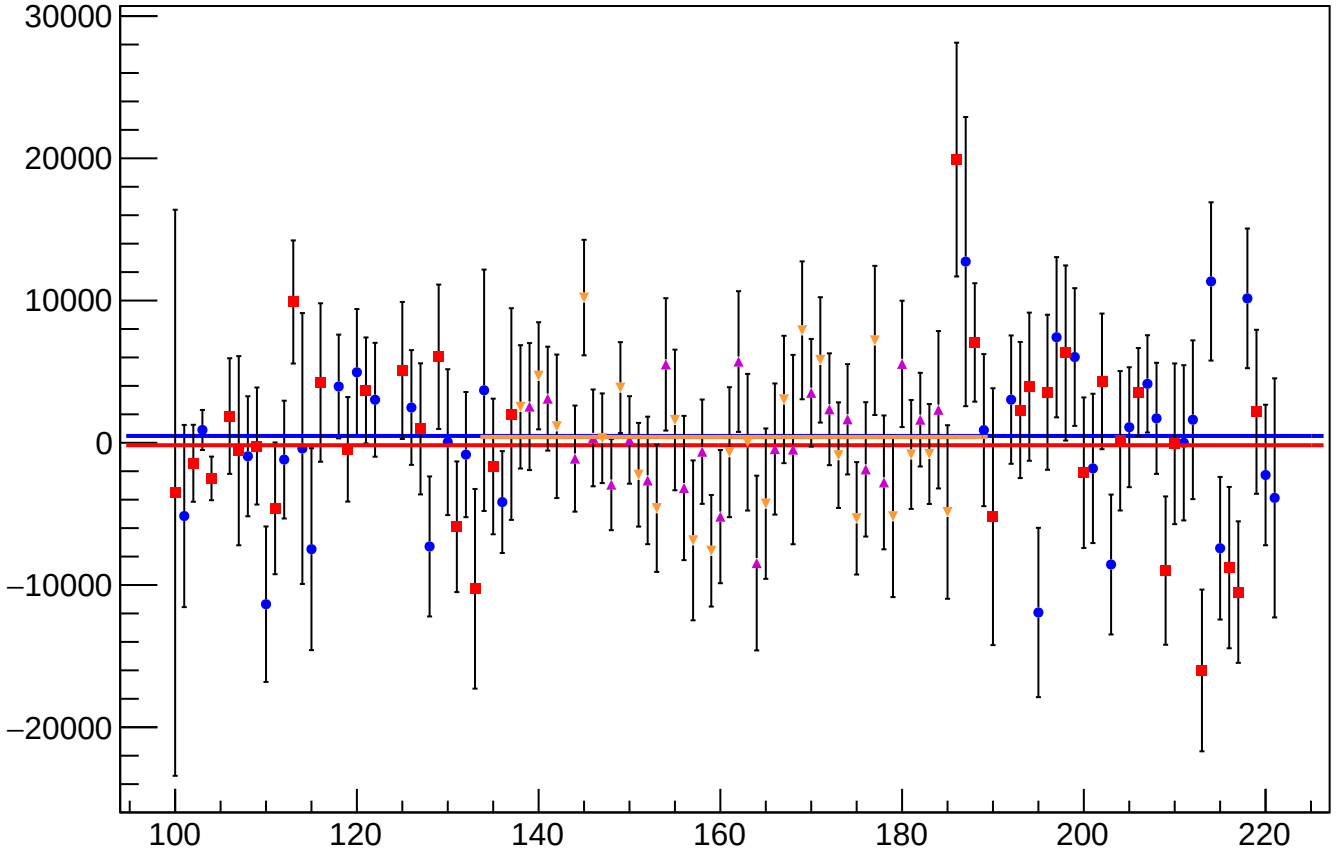
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2709.417+/-0.341 χ^2/NDF: 16346459.4/57

All: 2452.492+/-0.230 χ^2/NDF: 43858166.2/1

- sign 2237.938+/-0.311 χ^2/NDF: 26467203.0/57

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 480.774+/-726.429 χ^2/NDF: 38.7/33

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -171.562+/-726.493 χ^2/NDF: 49.0/34

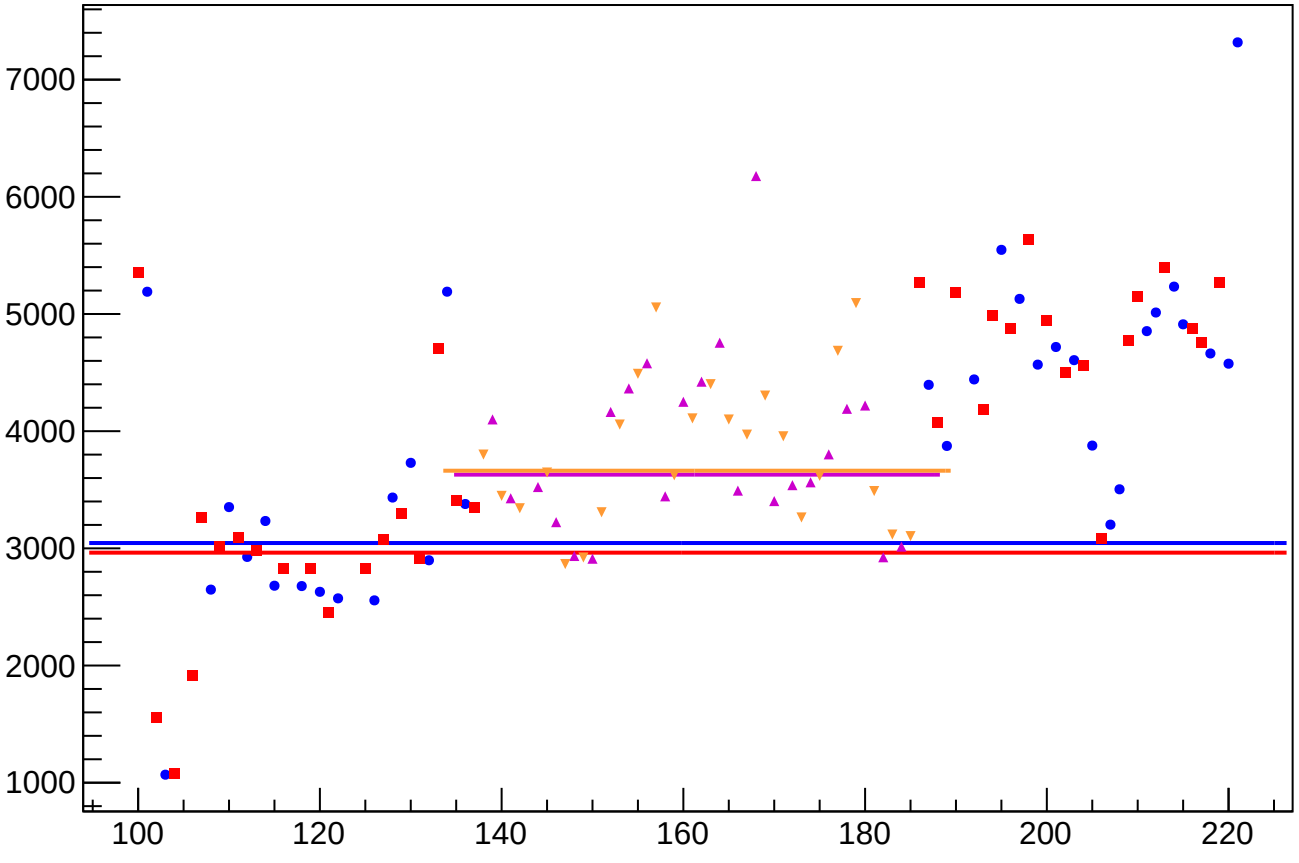
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 452.961+/-556.372 χ^2/NDF: 65.8/57

All: 259.795+/-393.152 χ^2/NDF: 127.7/115

- sign 67.144+/-555.630 χ^2/NDF: 61.6/57

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 3045.524+/-0.514 χ^2/NDF: 8080083.2/33

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

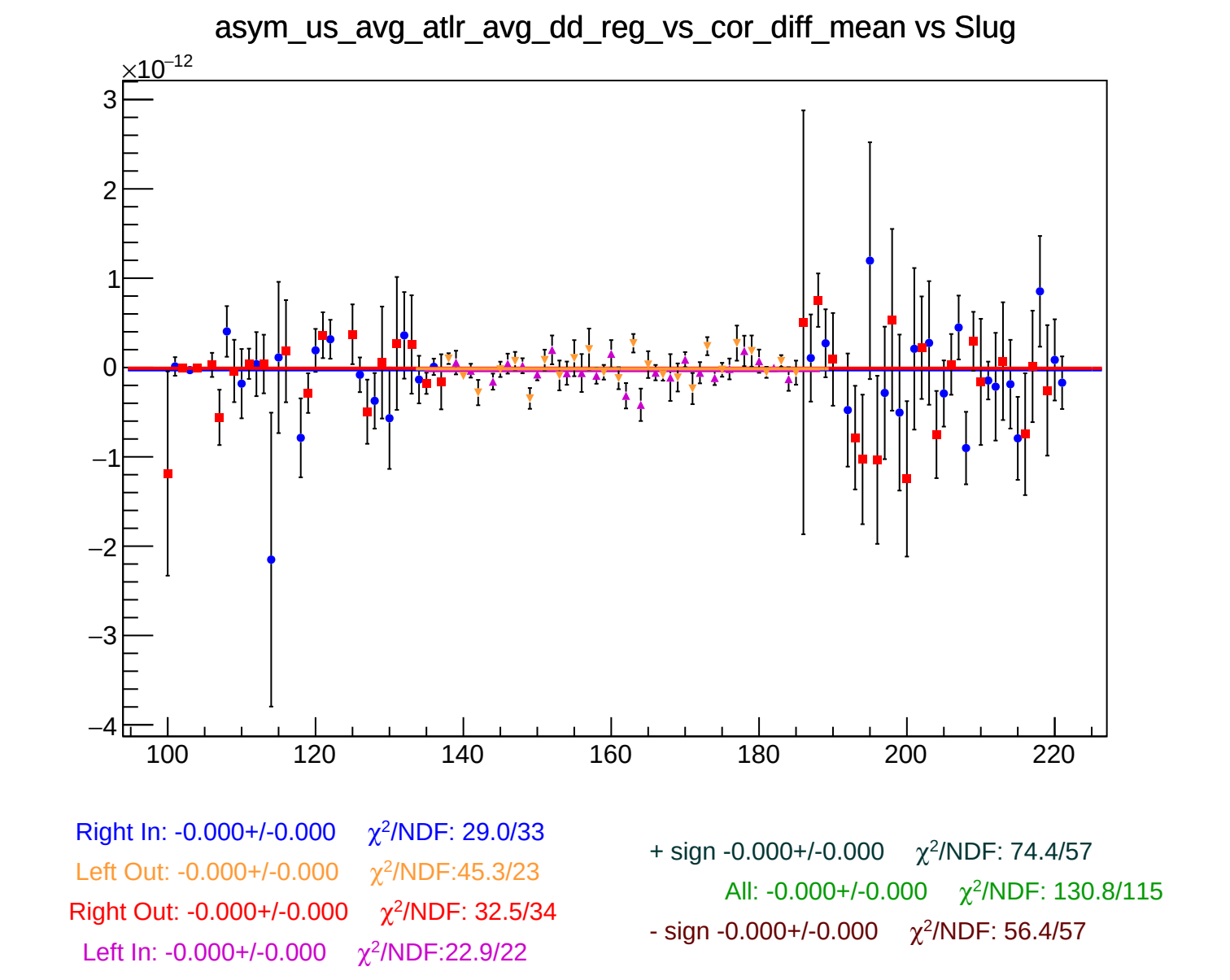
Right Out: 2963.245+/-0.513 χ^2/NDF: 7824464.8/34

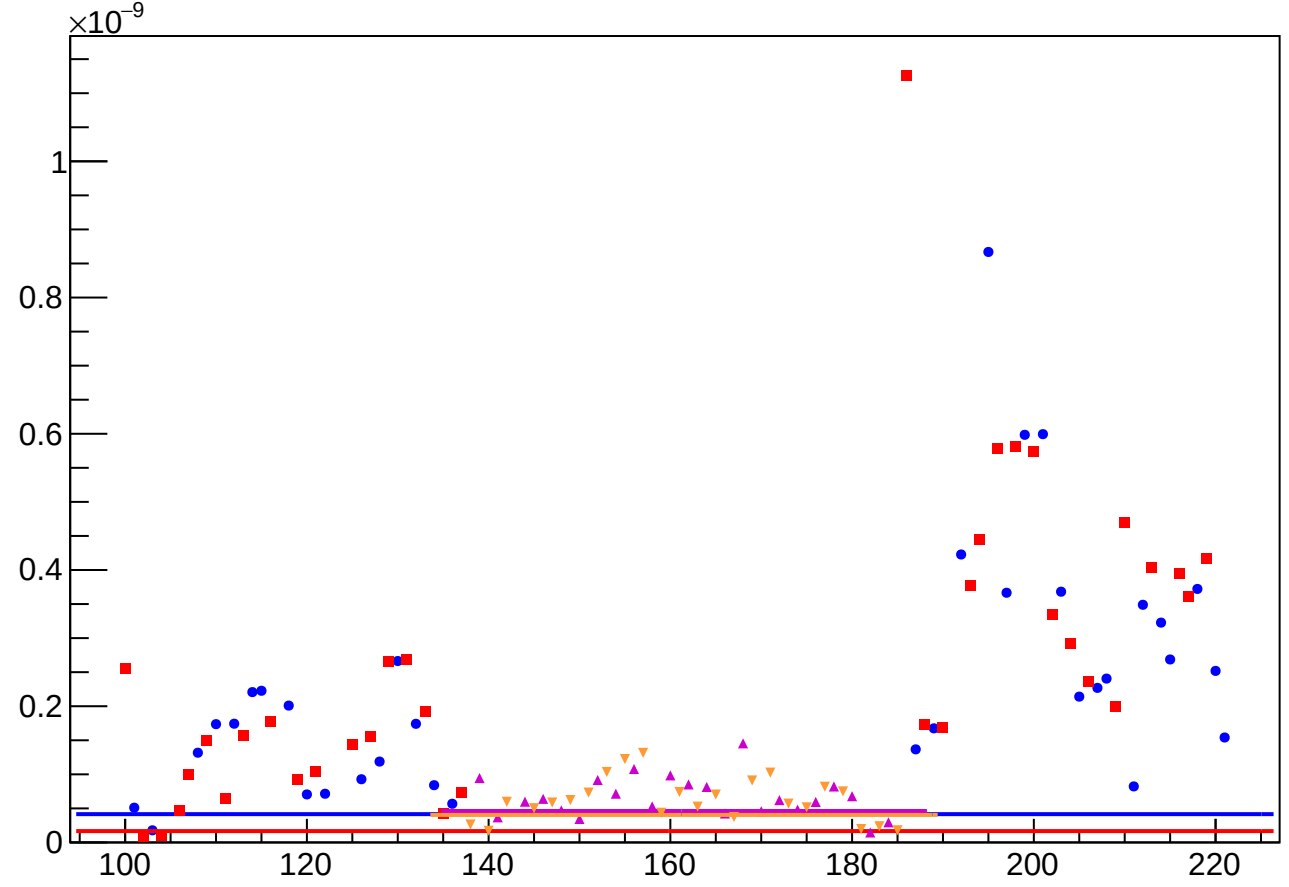
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3300.645+/-0.393 χ^2/NDF: 9570278.2/57

All: 3269.825+/-0.278 χ^2/NDF: 19160360.8/1

- sign 3239.144+/-0.393 χ^2/NDF: 9577836.0/57


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 29.0/33
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.5/34
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 74.4/57
All: -0.000+/-0.000 χ²/NDF: 130.8/115
- sign -0.000+/-0.000 χ²/NDF: 56.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 12001288.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

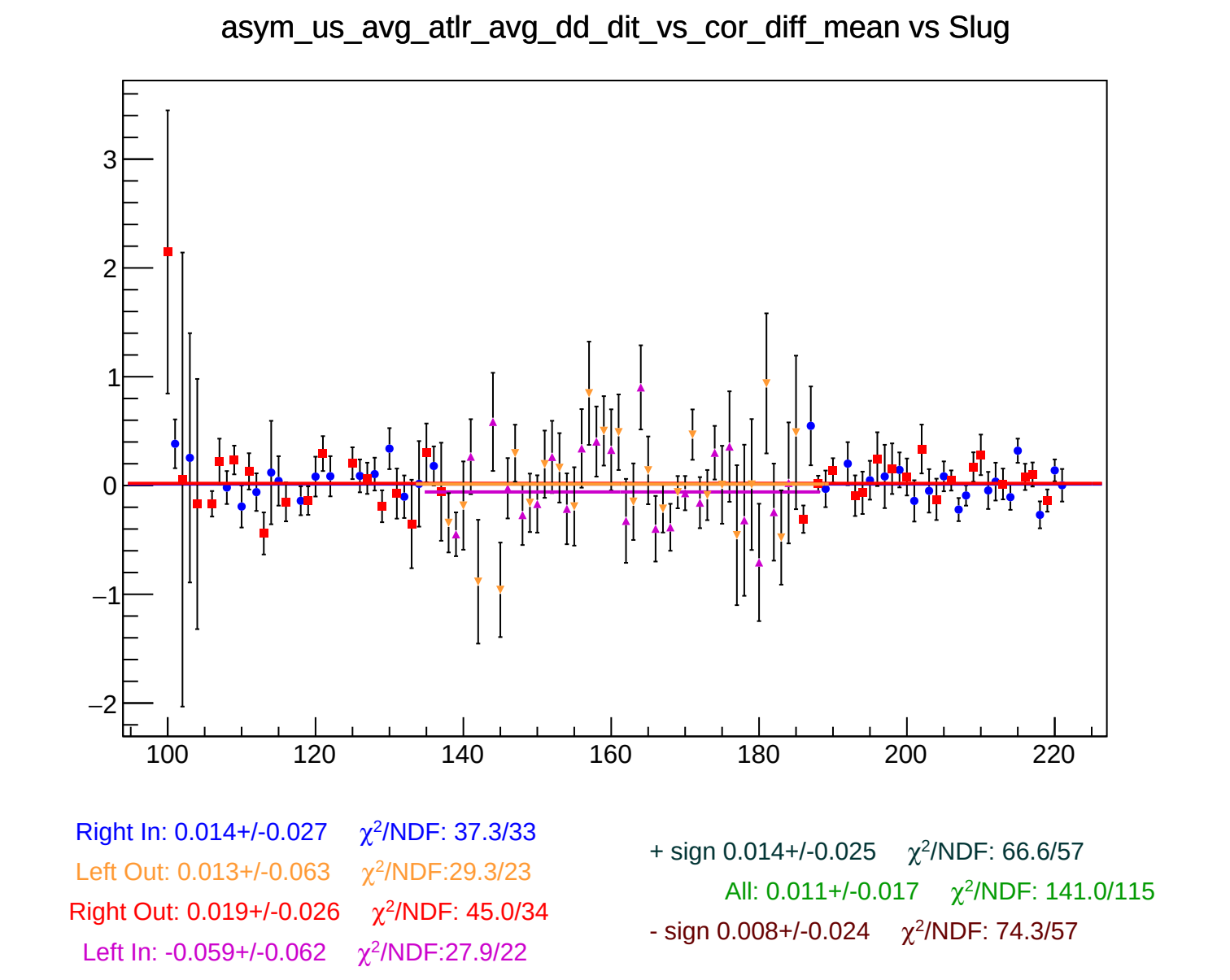
Right Out: 0.000+/-0.000 χ^2/NDF: 14585456.9/34

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15436193.6/57

All: 0.000+/-0.000 χ^2/NDF: 36807526.5/115

- sign 0.000+/-0.000 χ^2/NDF: 20318612.3/57


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
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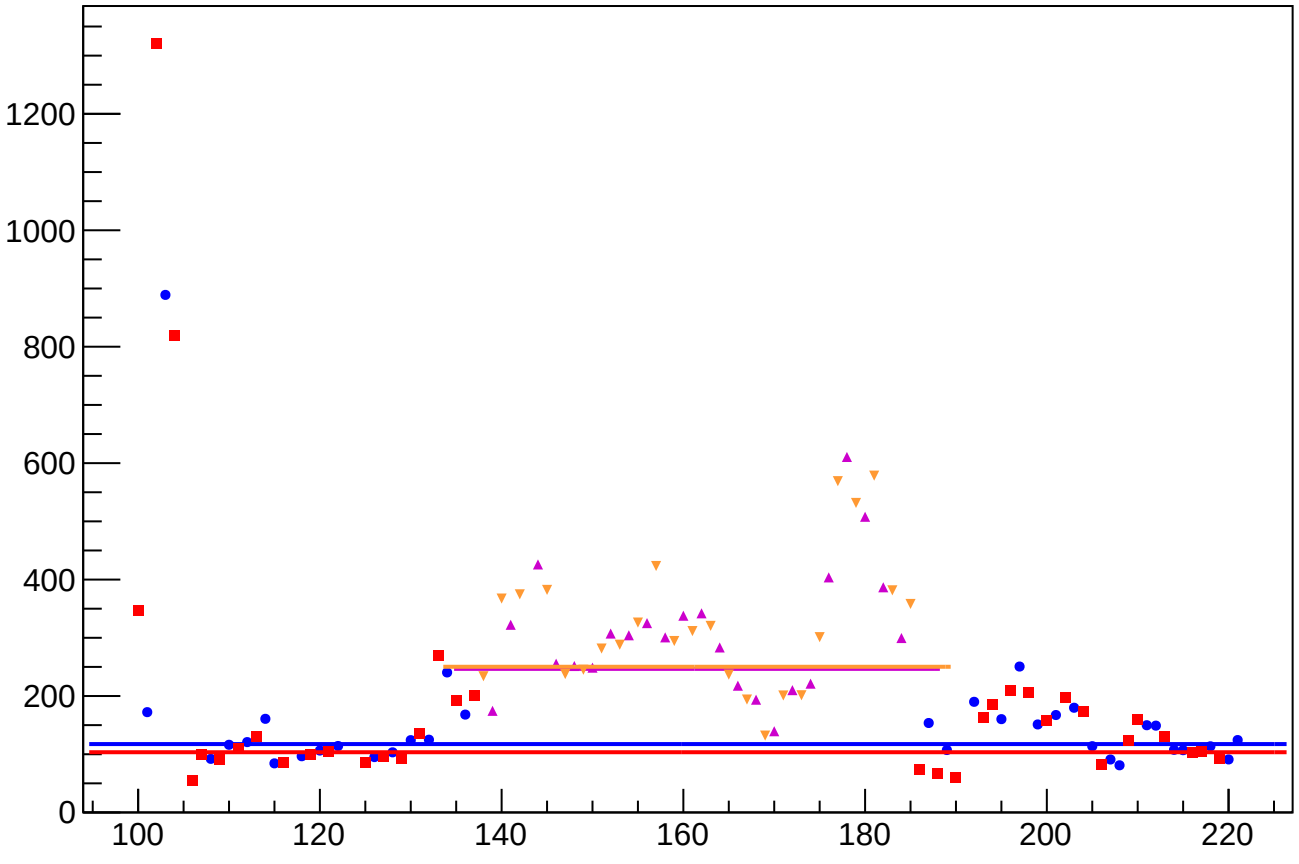
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.019+/-0.026 χ²/NDF: 45.0/34
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.011+/-0.017 χ²/NDF: 141.0/115
- sign 0.008+/-0.024 χ²/NDF: 74.3/57



Right In: 117.458+/-0.019 χ^2/NDF: 3617954.5/33

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

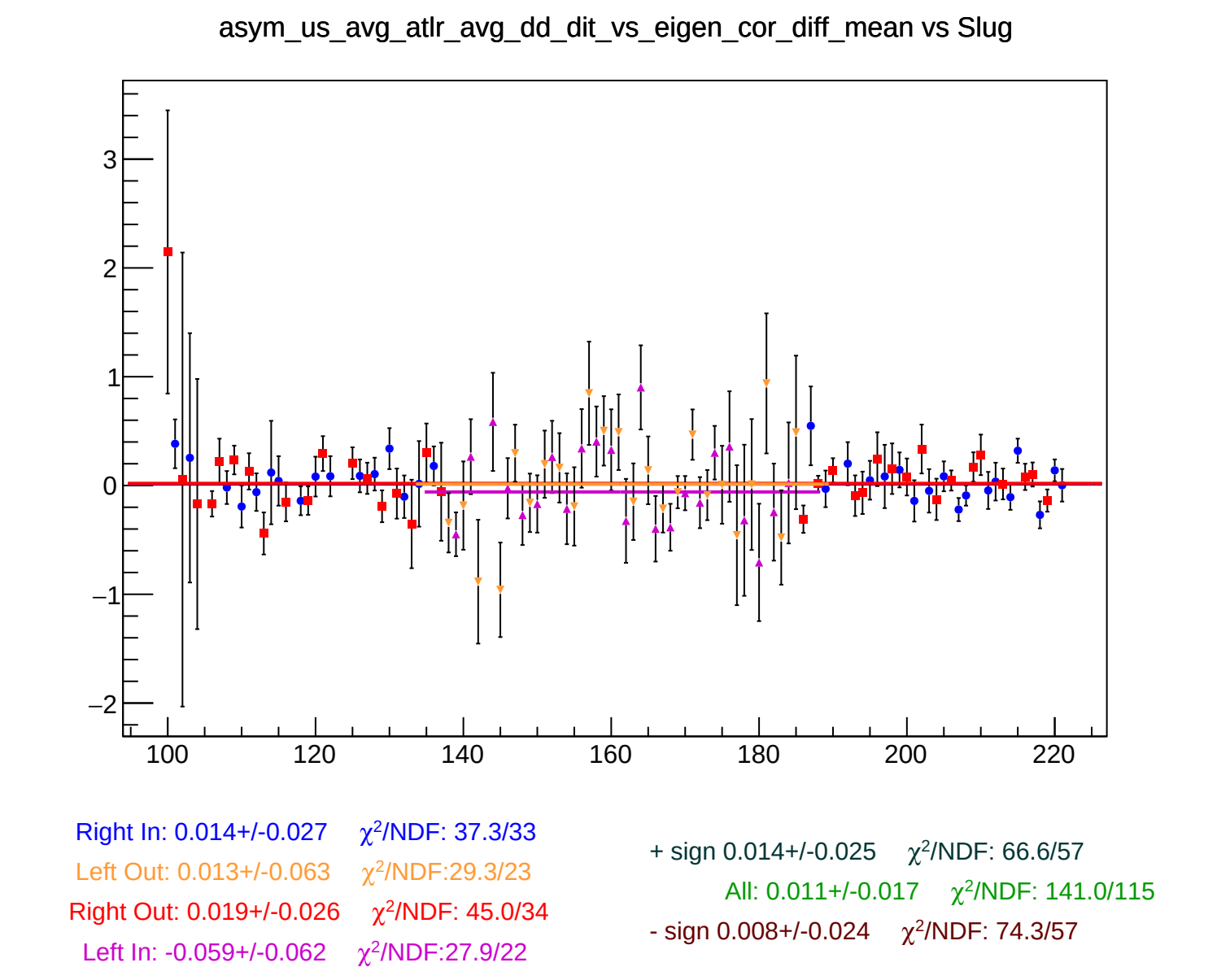
Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 138.555+/-0.018 χ^2/NDF: 15442883.8/57

All: 130.990+/-0.012 χ^2/NDF: 34821186.3/11

- sign 124.280+/-0.017 χ^2/NDF: 19035915.7/57


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
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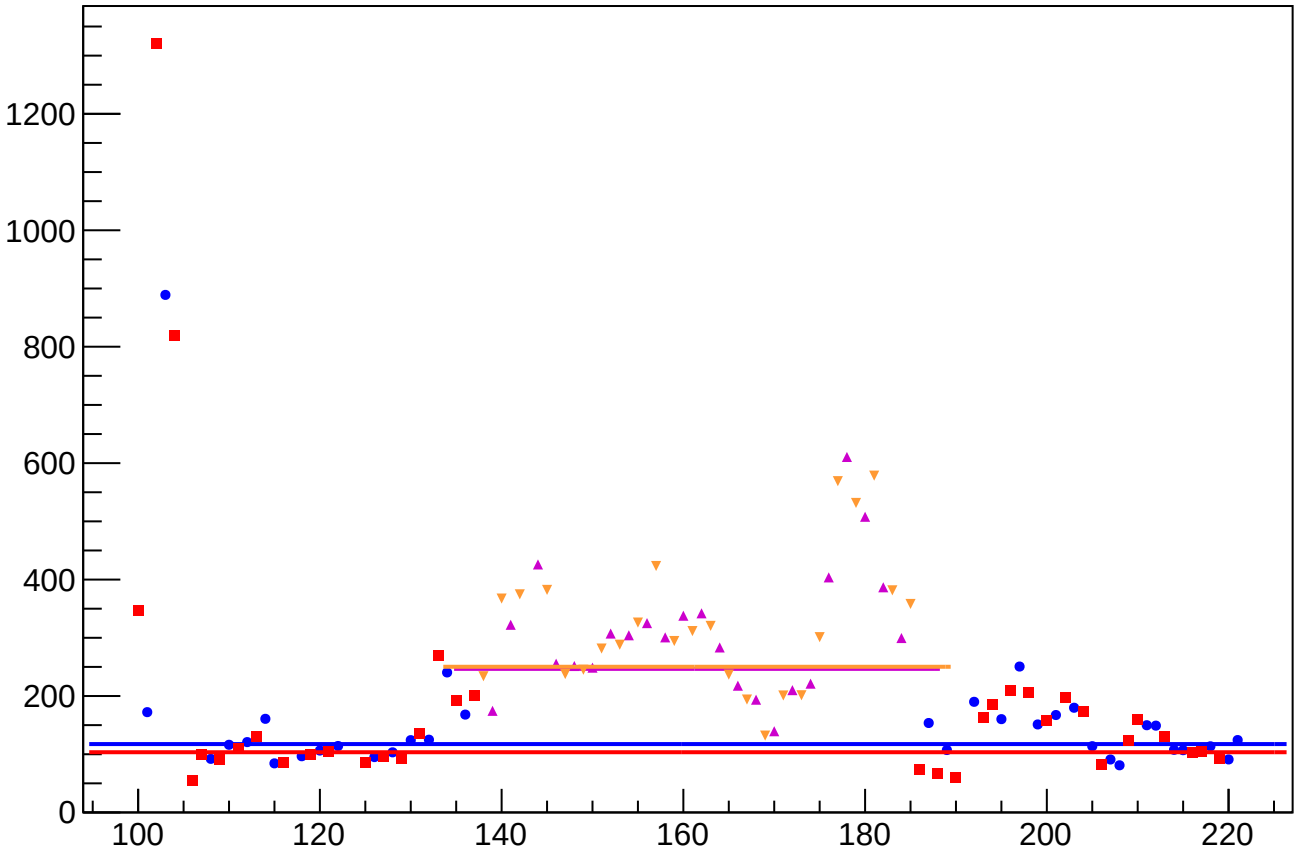
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.019+/-0.026 χ²/NDF: 45.0/34
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.011+/-0.017 χ²/NDF: 141.0/115
- sign 0.008+/-0.024 χ²/NDF: 74.3/57



Right In: 117.458+/-0.019 χ^2/NDF: 3617954.5/33

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

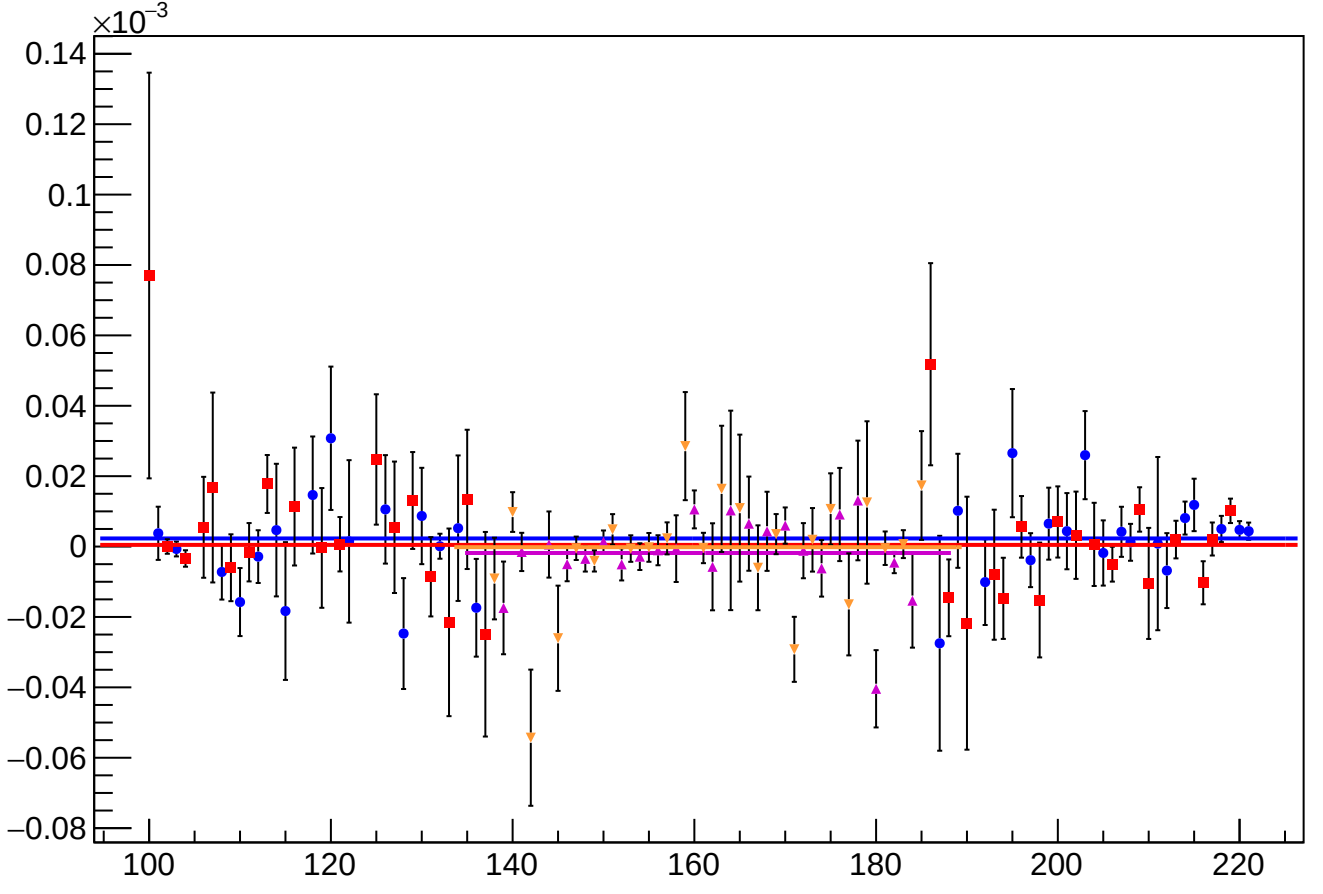
Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 138.555+/-0.018 χ^2/NDF: 15442883.8/57

All: 130.990+/-0.012 χ^2/NDF: 34821186.3/11

- sign 124.280+/-0.017 χ^2/NDF: 19035915.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

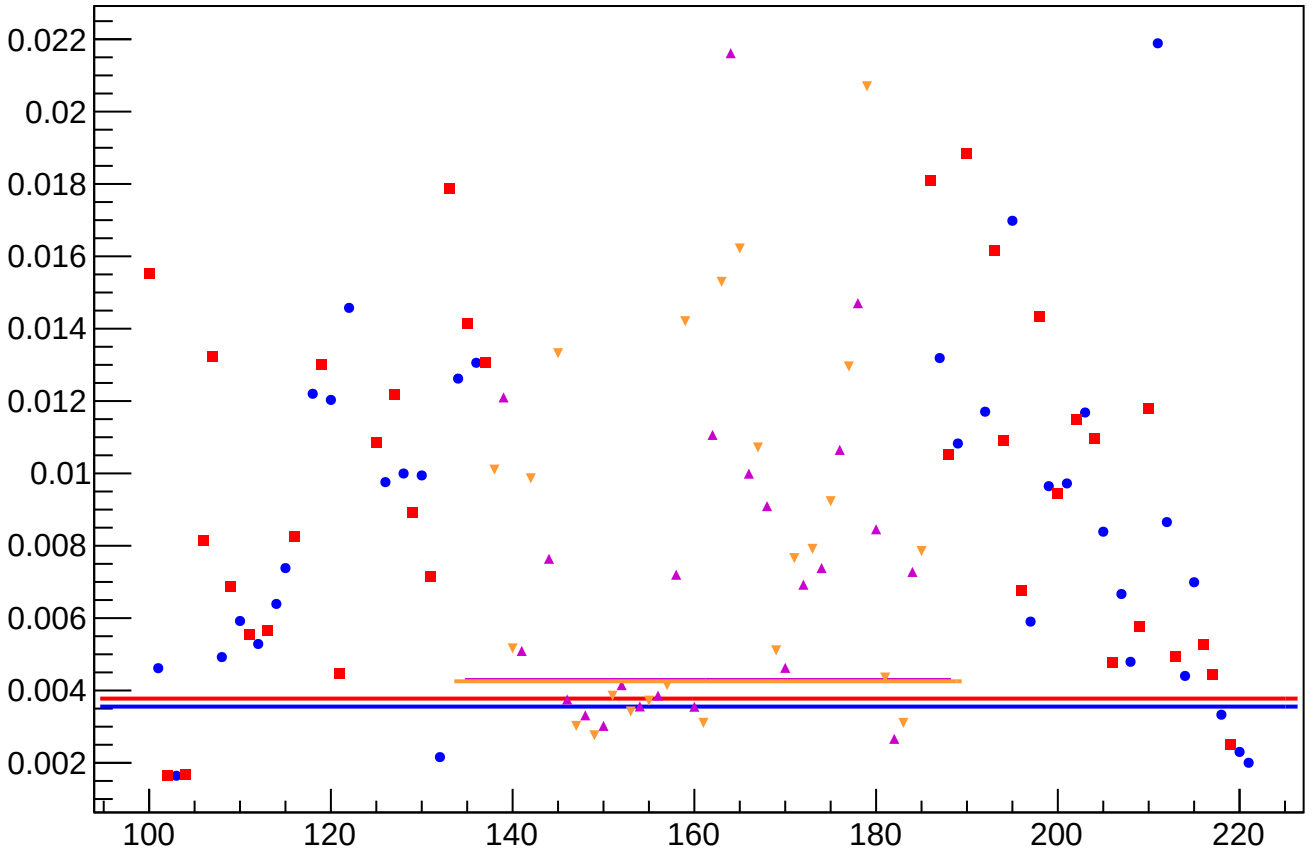
Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/34

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/57

All: 0.000+/-0.000 χ^2/NDF: 144.6/115

- sign -0.000+/-0.000 χ^2/NDF: 70.3/57



Right In: 0.004+/-0.000 χ^2/NDF: 15552655.3/33

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

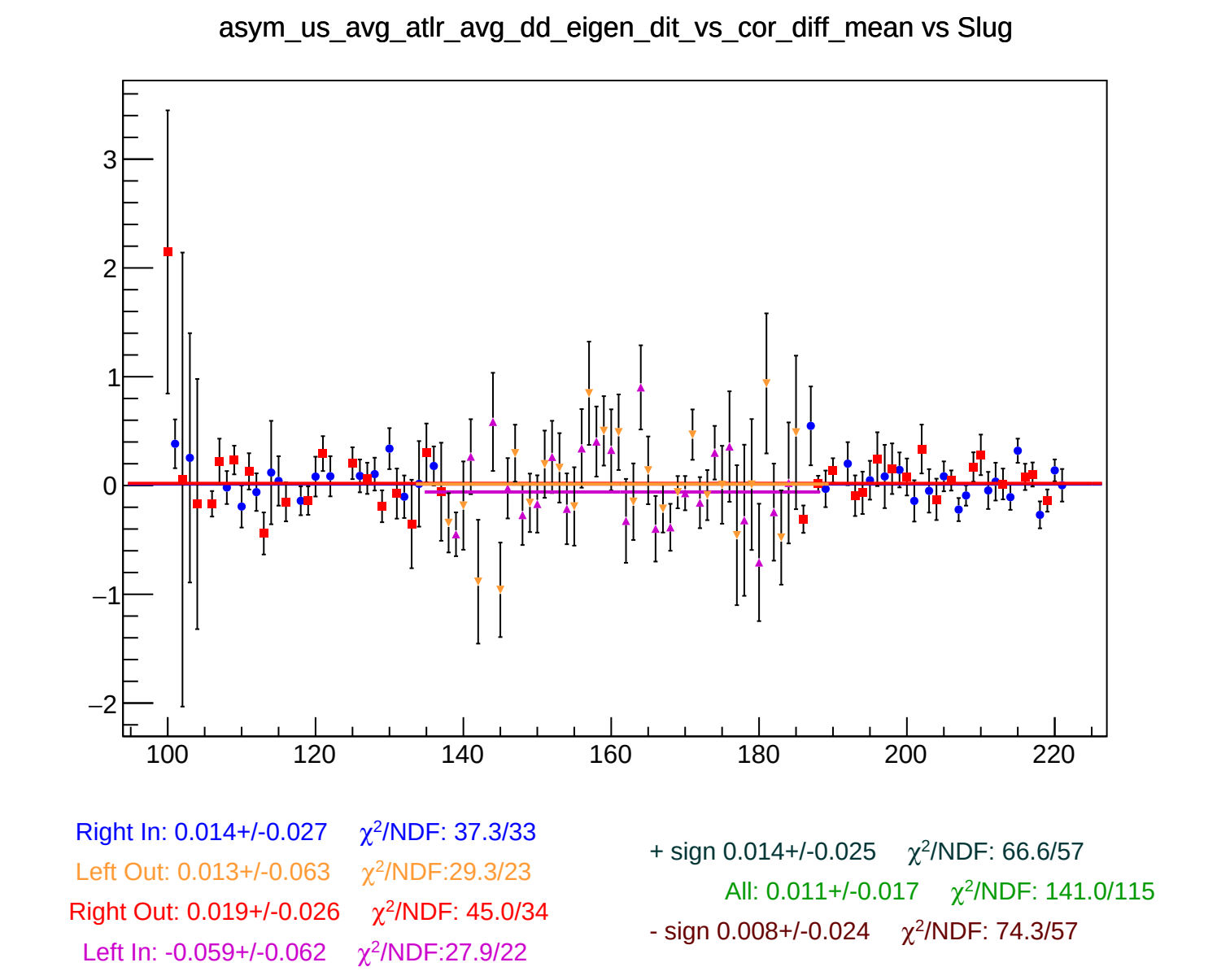
Right Out: 0.004+/-0.000 χ^2/NDF: 15667845.3/34

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 24458518.5/57

All: 0.004+/-0.000 χ^2/NDF: 46969472.8/115

- sign 0.004+/-0.000 χ^2/NDF: 22468286.2/57


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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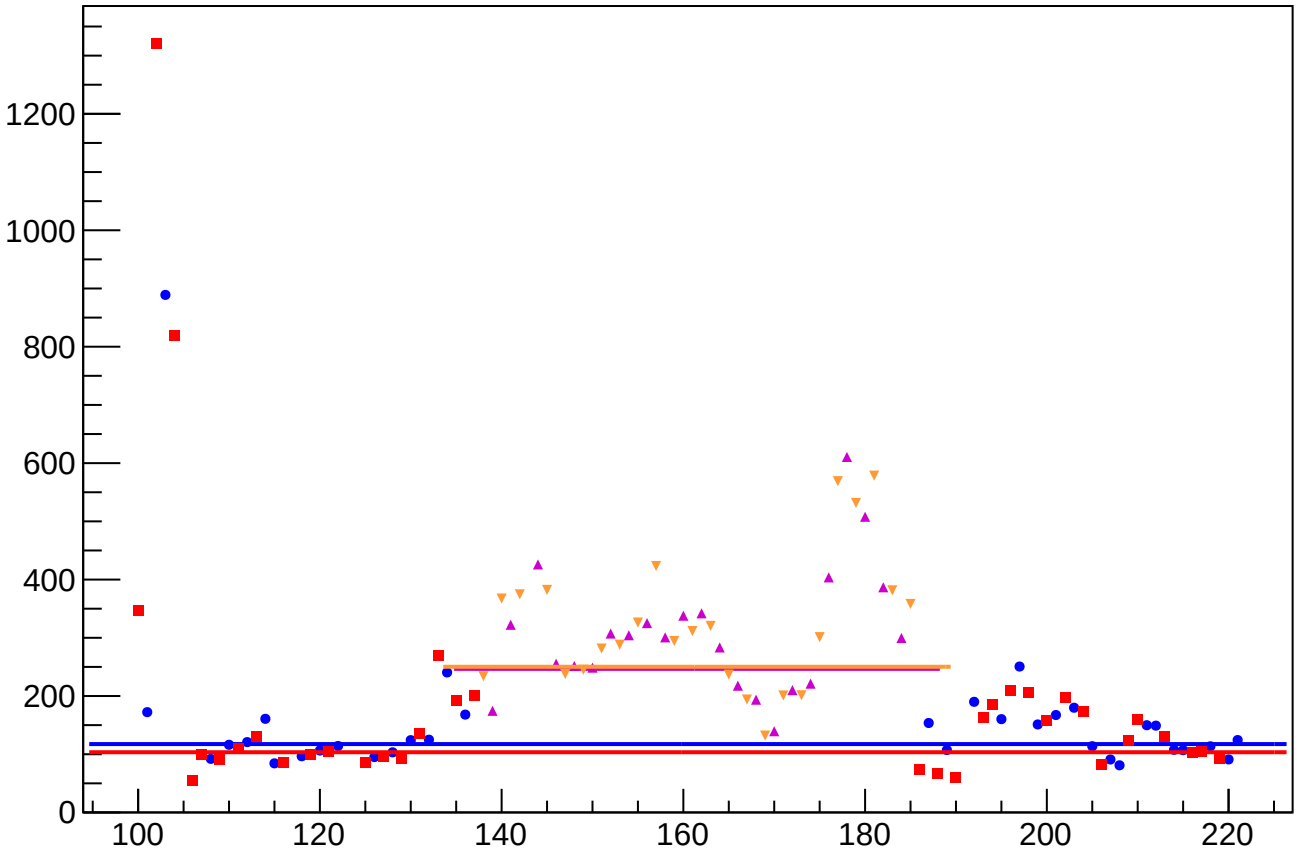
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.019+/-0.026 χ²/NDF: 45.0/34
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.011+/-0.017 χ²/NDF: 141.0/115
- sign 0.008+/-0.024 χ²/NDF: 74.3/57



Right In: 117.457+/-0.019 χ^2/NDF: 3618044.0/33

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

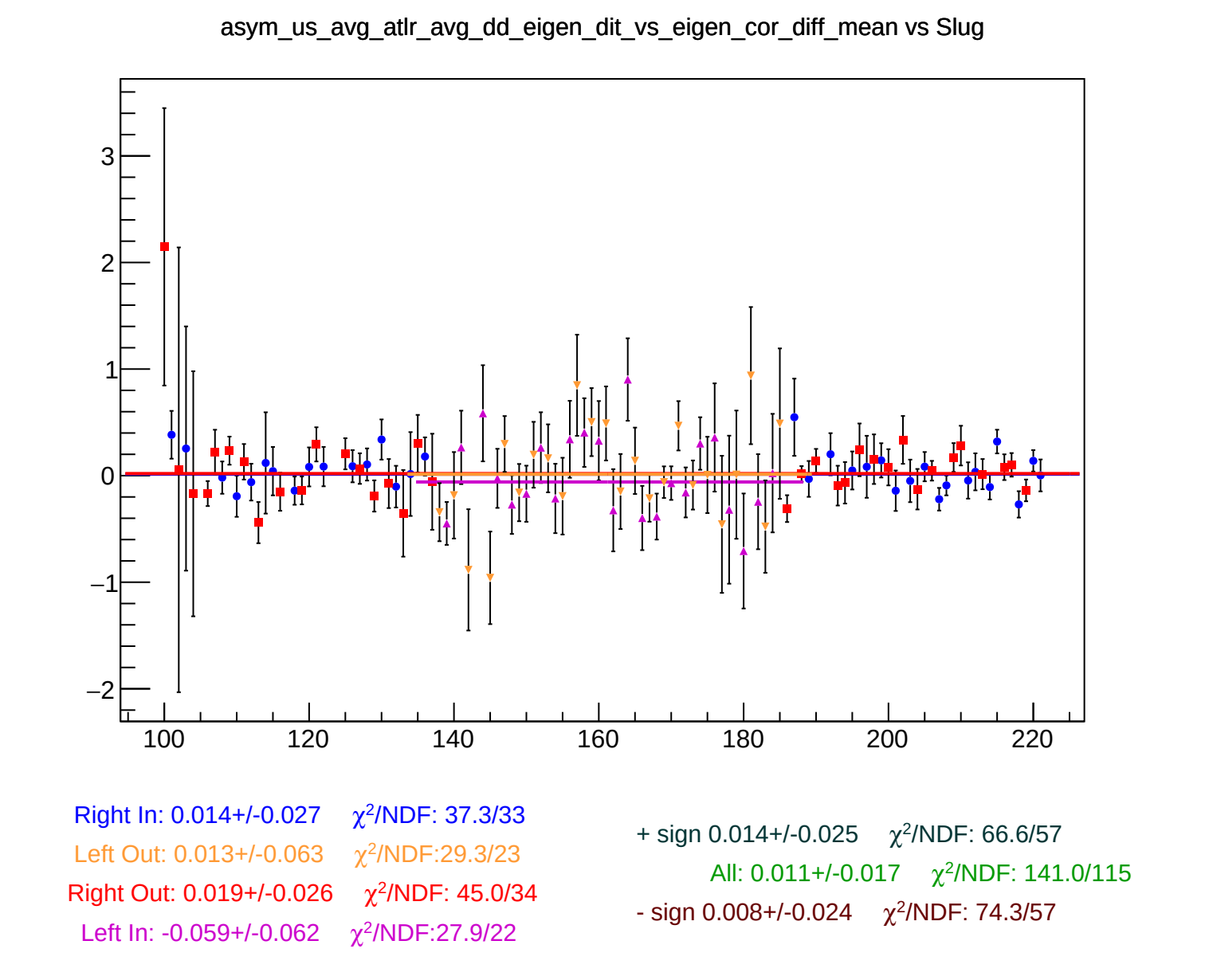
Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 138.553+/-0.018 χ^2/NDF: 15443272.1/57

All: 130.987+/-0.012 χ^2/NDF: 34822926.6/11

- sign 124.277+/-0.017 χ^2/NDF: 19037136.2/57


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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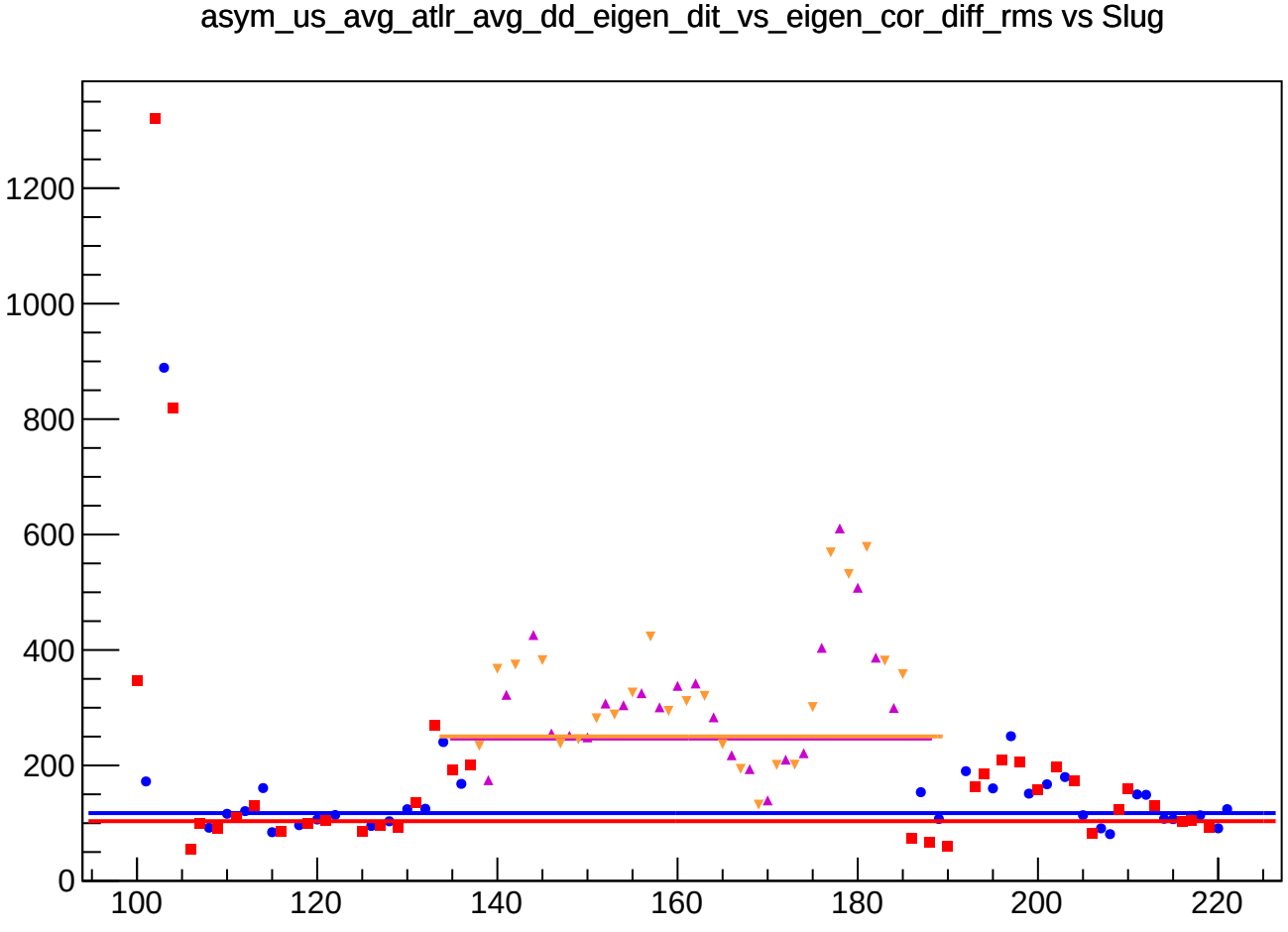
Right In: 0.014+/-0.027 χ²/NDF: 37.3/33
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.019+/-0.026 χ²/NDF: 45.0/34
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/57
All: 0.011+/-0.017 χ²/NDF: 141.0/115
- sign 0.008+/-0.024 χ²/NDF: 74.3/57



Right In: 117.457+/-0.019 χ^2/NDF: 3618044.0/33

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

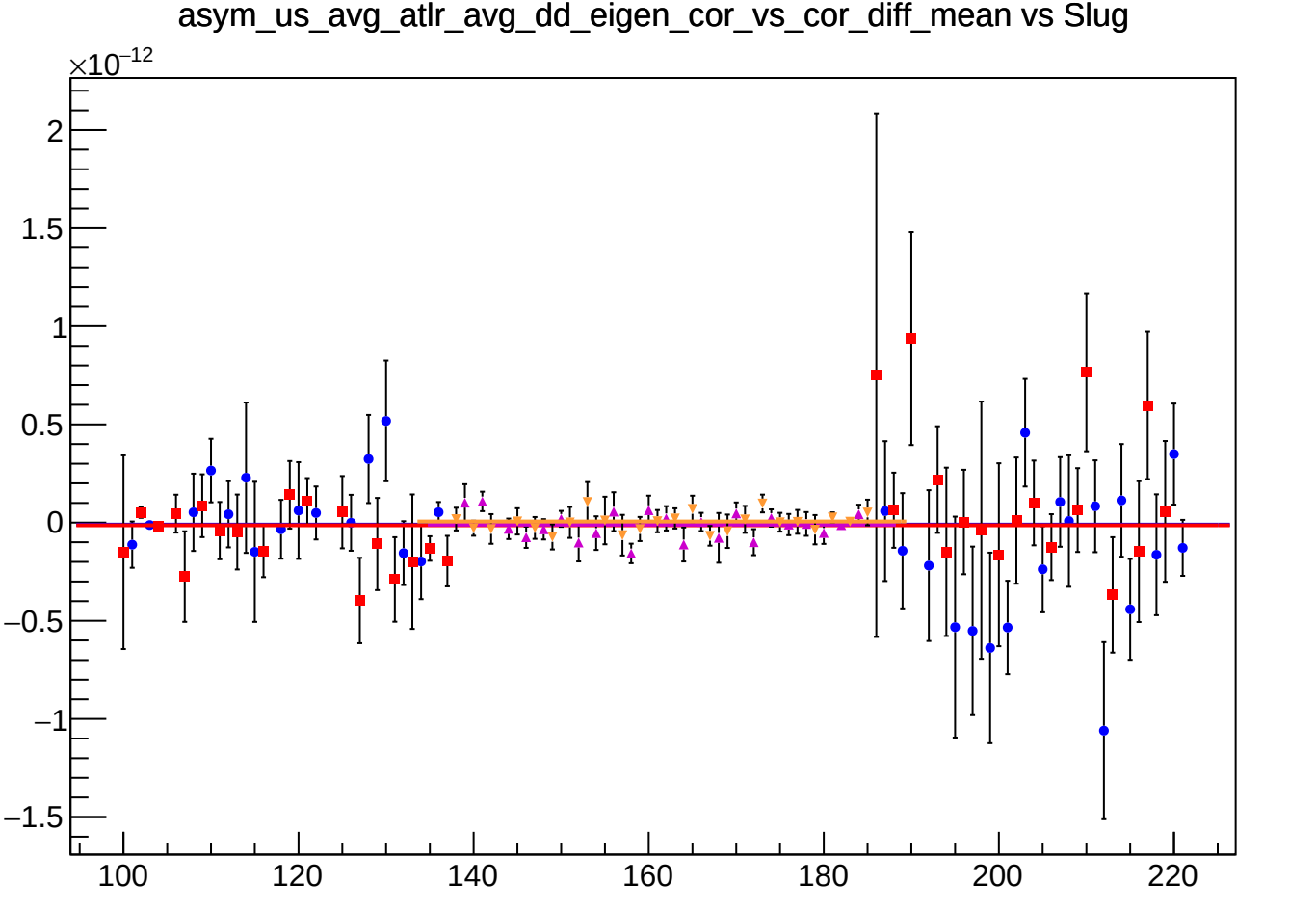
Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 138.553+/-0.018 χ^2/NDF: 15443272.1/57

All: 130.987+/-0.012 χ^2/NDF: 34822926.6/11

- sign 124.277+/-0.017 χ^2/NDF: 19037136.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

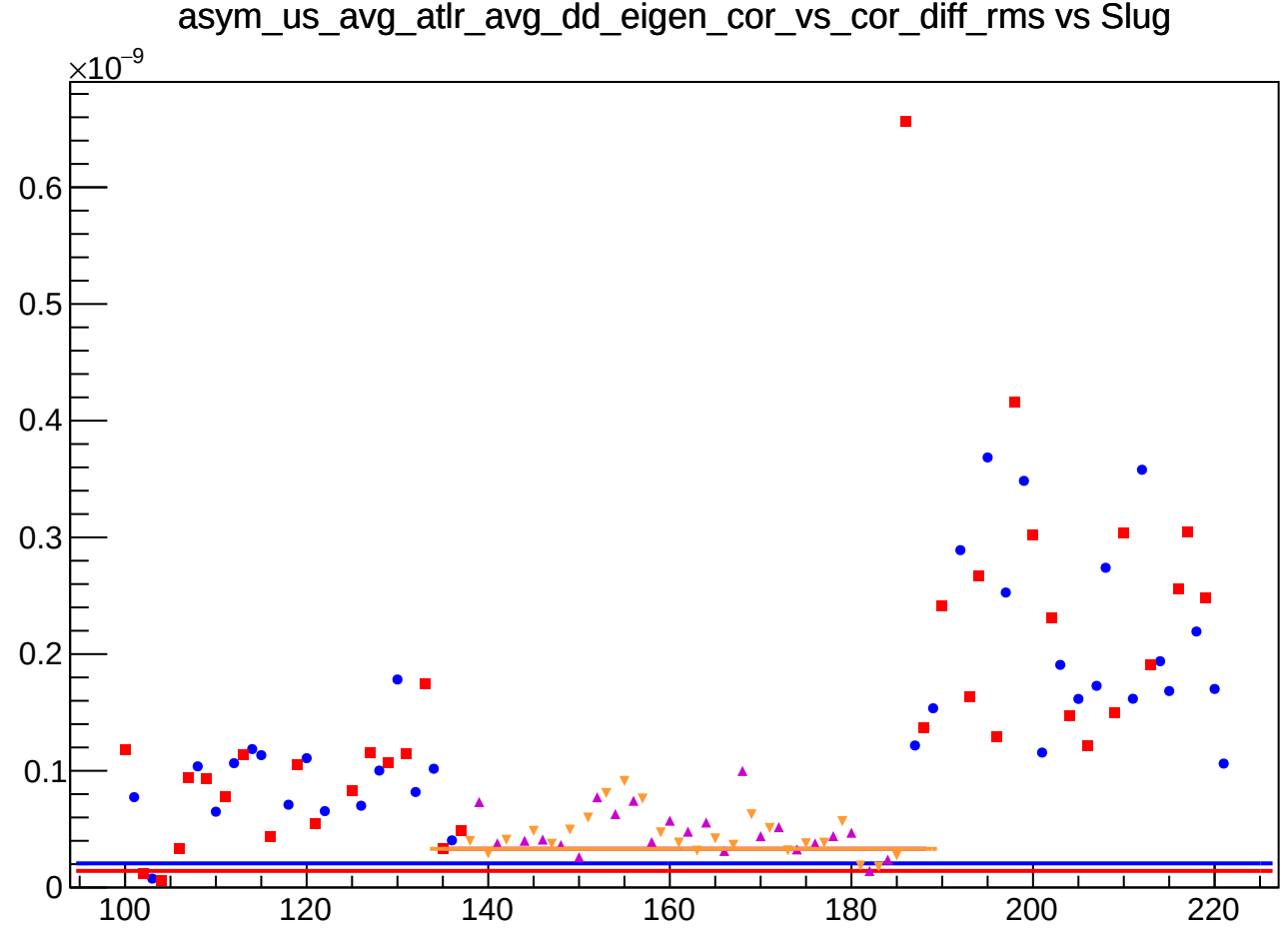
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/34

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.1/57

All: -0.000+/-0.000 χ^2/NDF: 117.5/115

- sign -0.000+/-0.000 χ^2/NDF: 63.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 19543813.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18913380.6/34

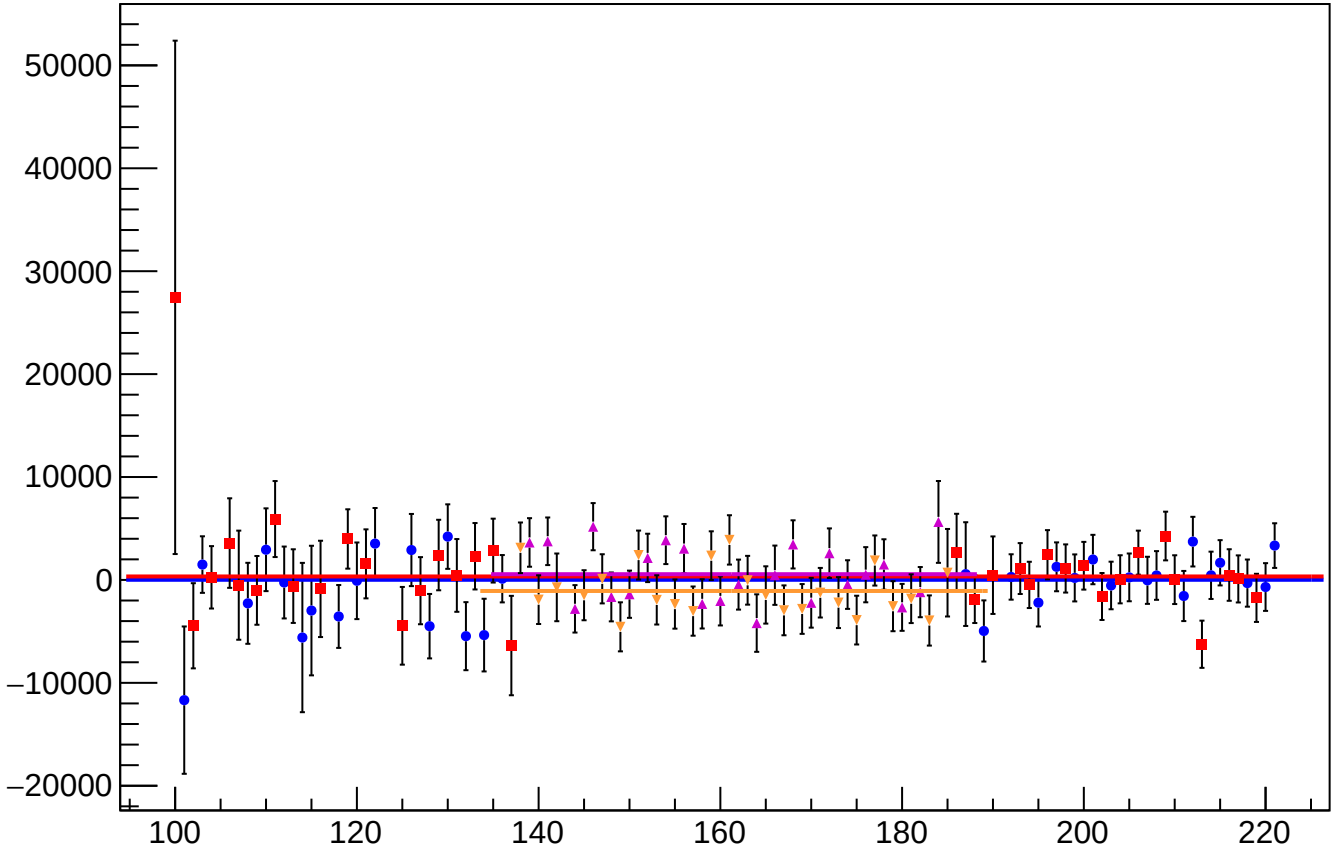
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 24769948.8/57

All: 0.000+/-0.000 χ^2/NDF: 52613299.7/115

- sign 0.000+/-0.000 χ^2/NDF: 27440746.6/57

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 15.111+/-473.053 χ^2/NDF: 27.3/33

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 336.877+/-486.211 χ^2/NDF: 28.9/34

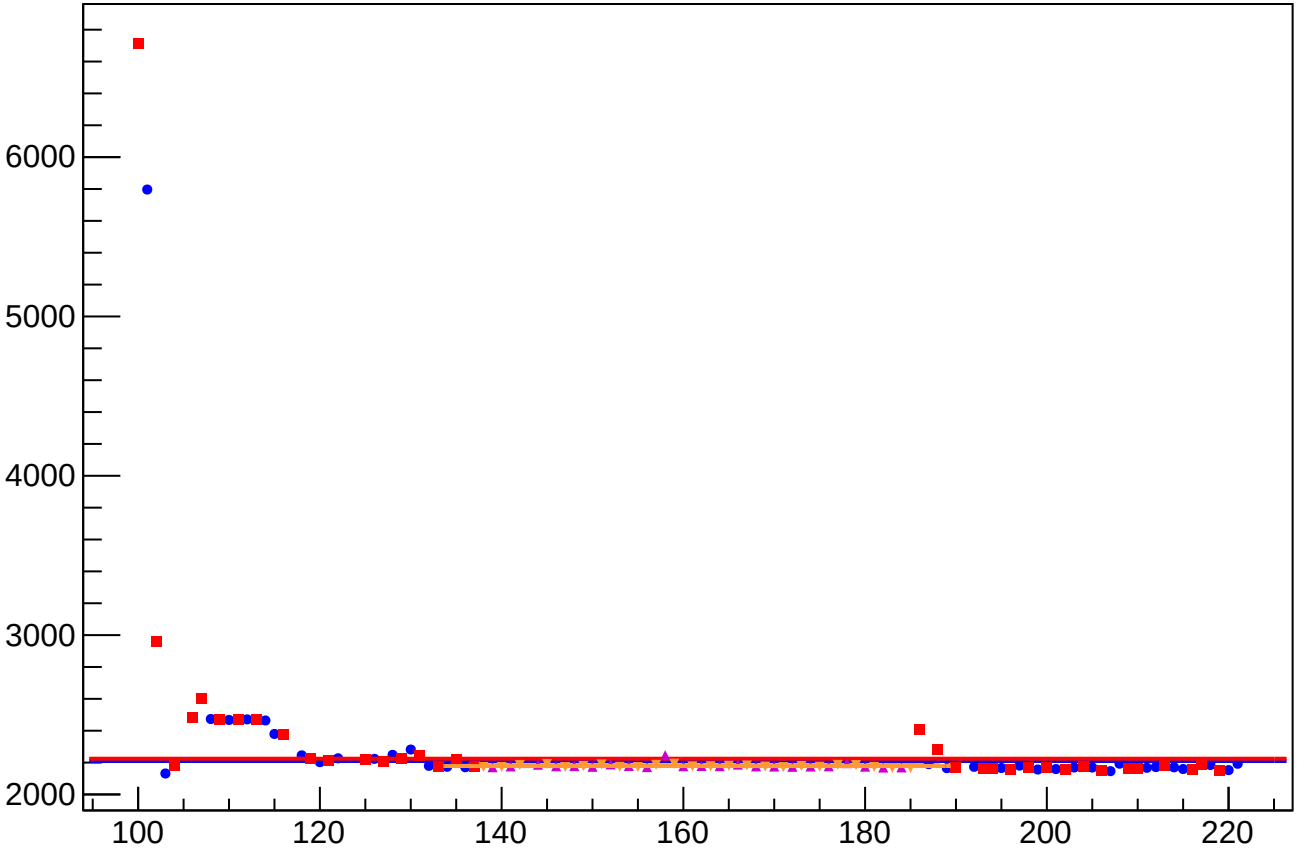
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -492.803+/-345.411 χ^2/NDF: 51.3/57

All: -33.828+/-246.419 χ^2/NDF: 112.6/115

- sign 441.881+/-351.652 χ^2/NDF: 57.7/57

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2209.933+/-0.334 χ^2/NDF: 550003.7/33

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

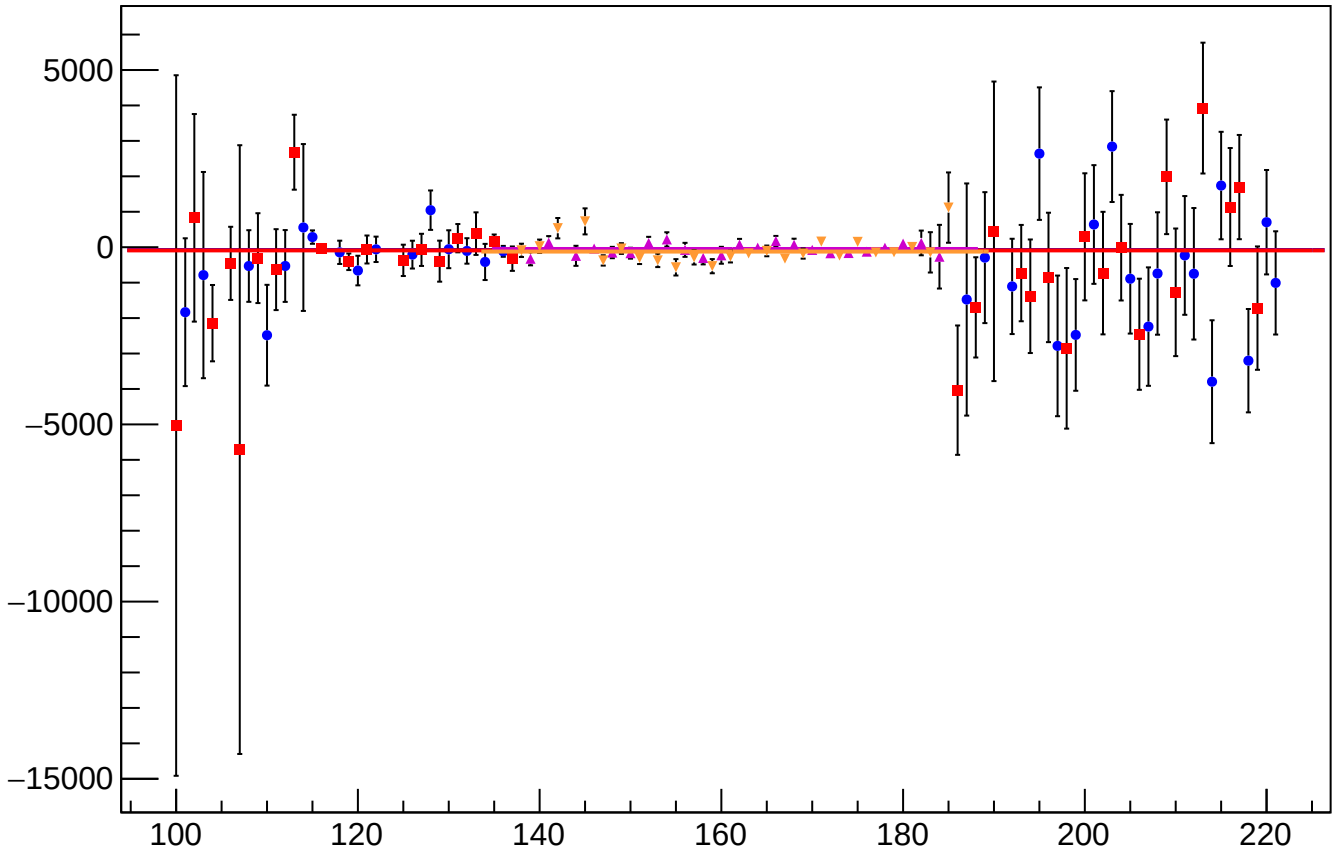
Right Out: 2224.160+/-0.344 χ^2/NDF: 202422.7/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.139+/-0.244 χ^2/NDF: 554582.6/57

All: 2199.263+/-0.174 χ^2/NDF: 766996.5/115

- sign 2203.538+/-0.249 χ^2/NDF: 211833.3/57



Right In: -79.006+/-88.540 χ^2/NDF: 38.8/33

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

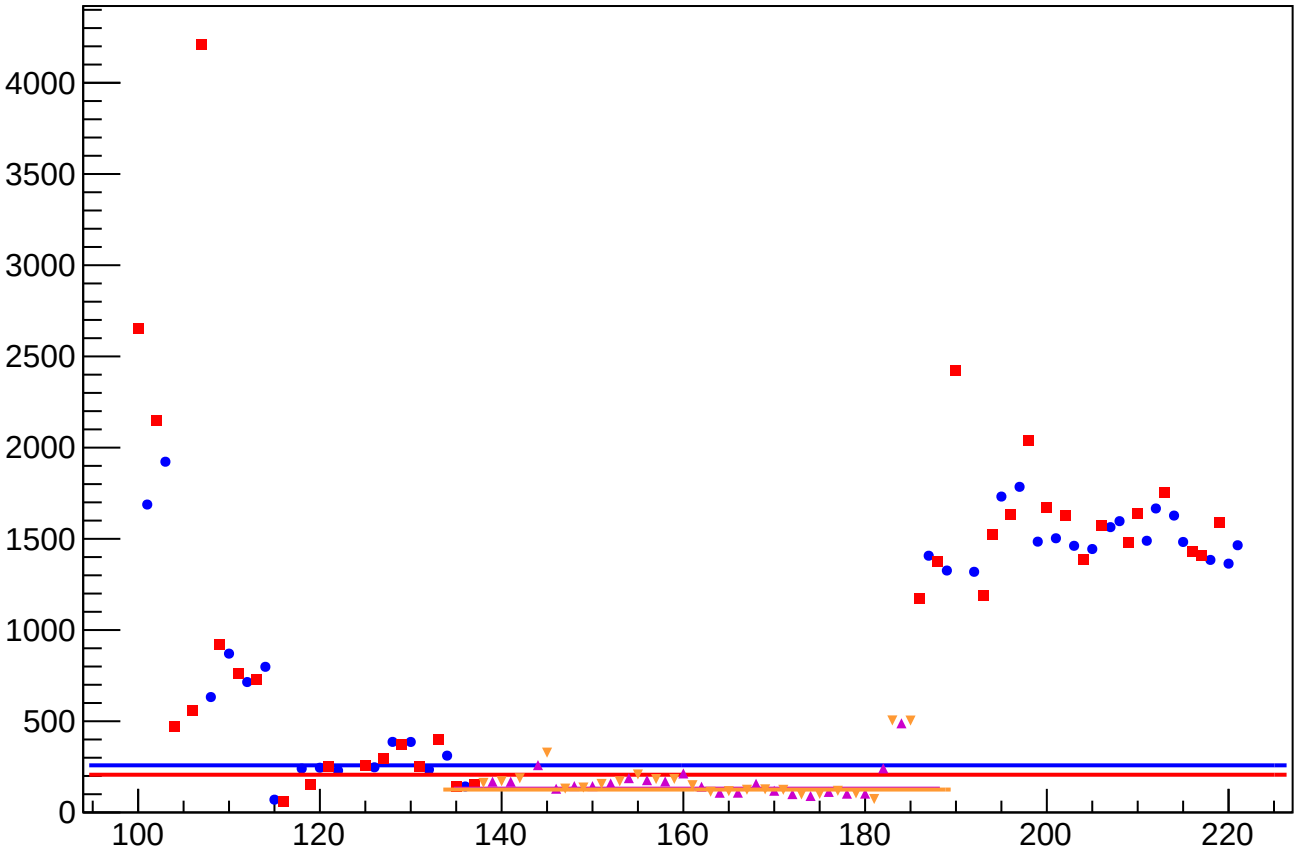
Right Out: -89.565+/-80.776 χ^2/NDF: 38.4/34

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -118.089+/-29.601 χ^2/NDF: 82.8/57

All: -87.554+/-21.135 χ^2/NDF: 141.8/115

- sign -55.798+/-30.187 χ^2/NDF: 56.8/57



Right In: 258.337+/-0.063 χ^2/NDF: 26307840.3/33

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 206.806+/-0.057 χ^2/NDF: 27393854.4/34

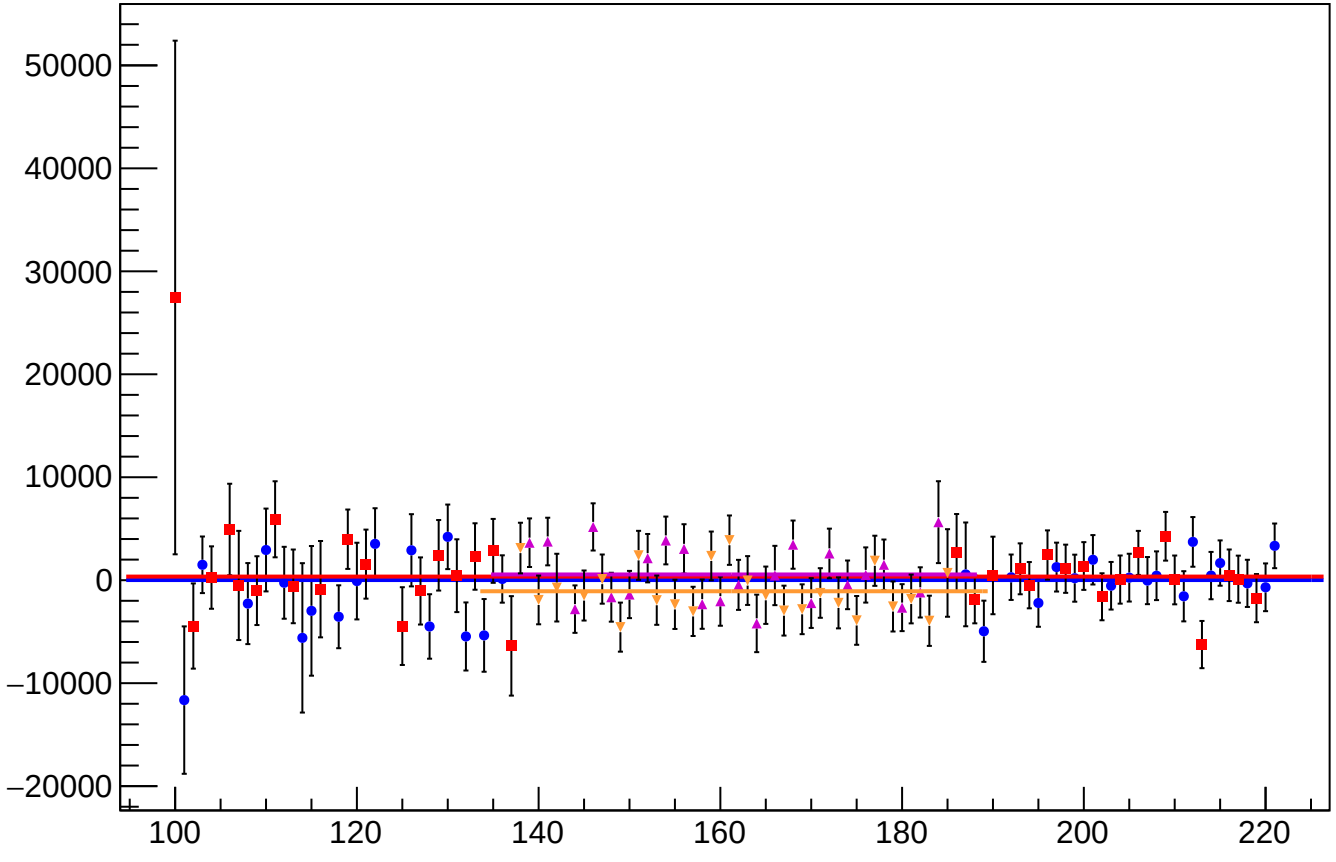
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 140.353+/-0.021 χ^2/NDF: 34248882.3/57

All: 140.720+/-0.015 χ^2/NDF: 65861151.3/11

- sign 141.102+/-0.021 χ^2/NDF: 31611640.9/57

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 15.490+/-473.053 χ^2/NDF: 27.3/33

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 351.432+/-486.337 χ^2/NDF: 29.4/34

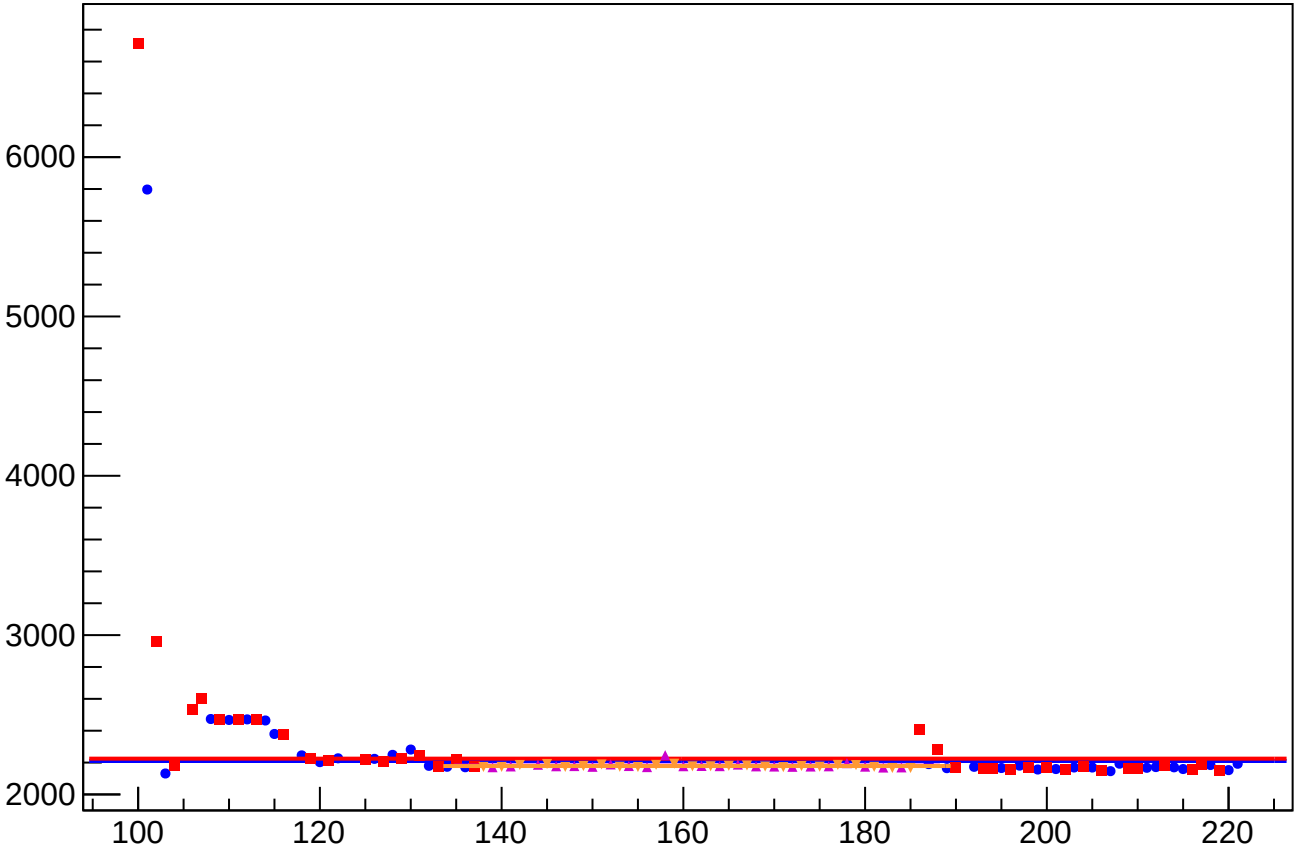
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -492.569+/-345.411 χ^2/NDF: 51.3/57

All: -30.015+/-246.436 χ^2/NDF: 113.1/115

- sign 449.534+/-351.700 χ^2/NDF: 58.2/57

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2209.933+/-0.334 χ^2/NDF: 550004.0/33

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

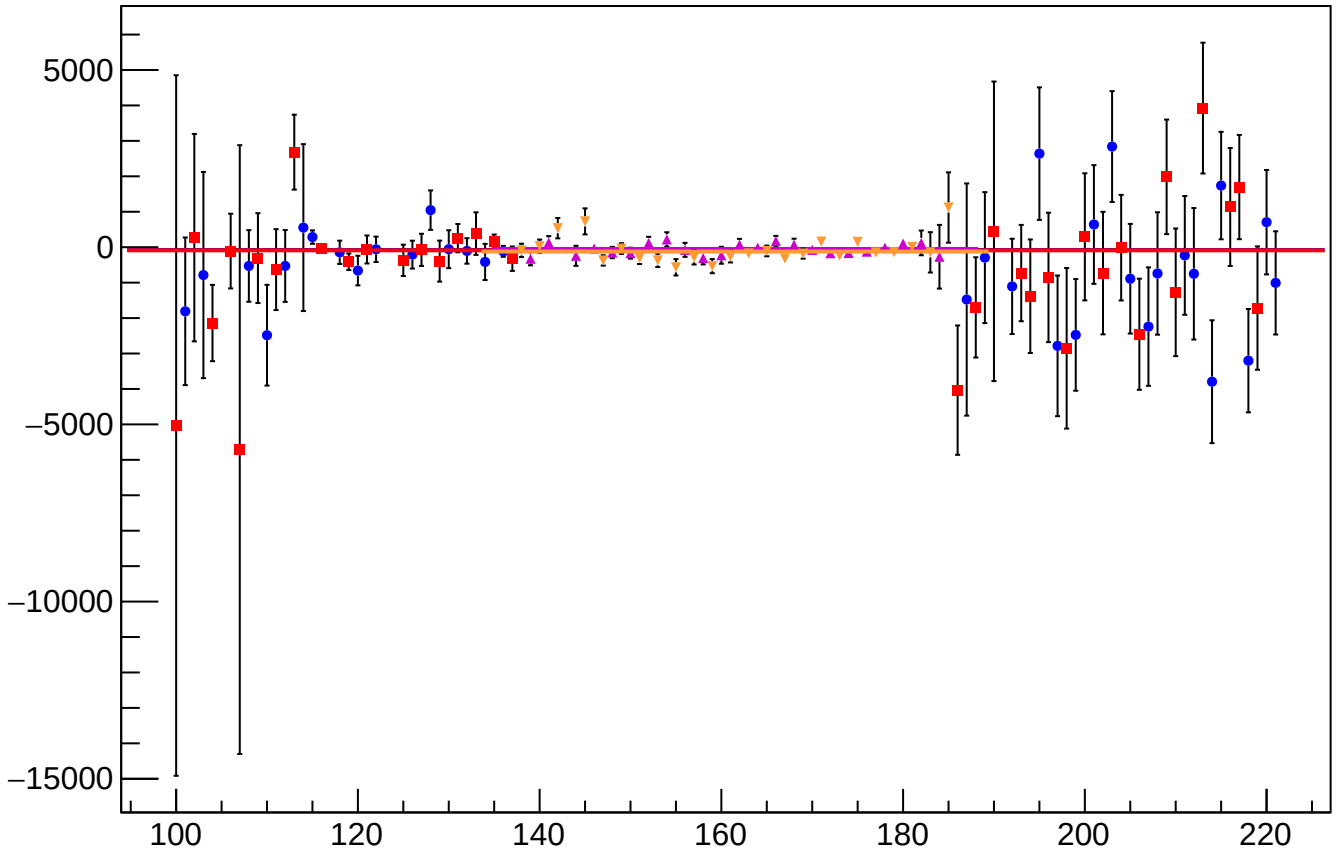
Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.139+/-0.244 χ^2/NDF: 554582.9/57

All: 2199.382+/-0.174 χ^2/NDF: 769824.6/115

- sign 2203.780+/-0.249 χ^2/NDF: 214627.3/57



Right In: -79.041+/-88.545 χ^2/NDF: 38.8/33

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: -87.619+/-80.718 χ^2/NDF: 38.1/34

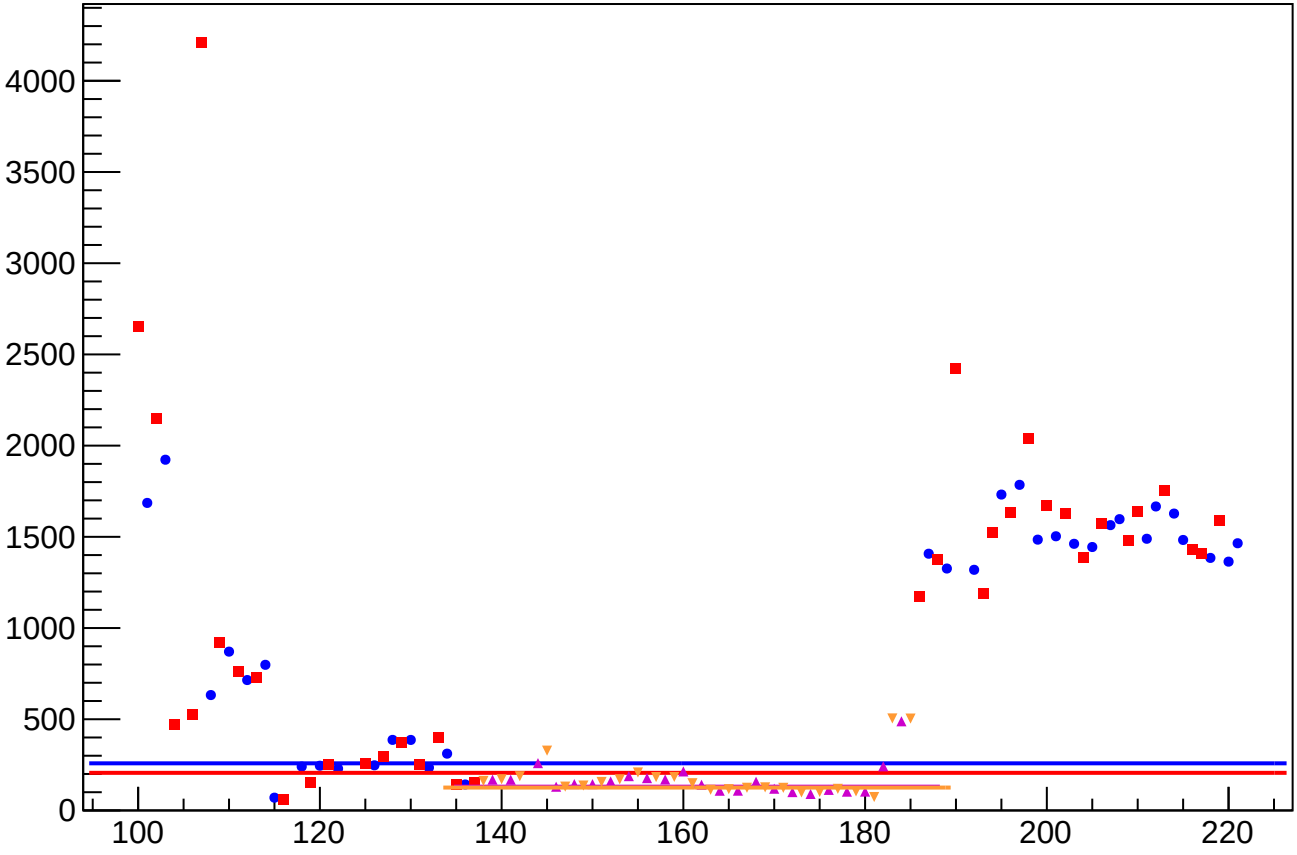
Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -118.023+/-29.601 χ^2/NDF: 82.8/57

All: -87.345+/-21.135 χ^2/NDF: 141.5/115

- sign -55.441+/-30.186 χ^2/NDF: 56.6/57

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug



Right In: 258.368+/-0.063 χ^2/NDF: 26305844.8/33

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

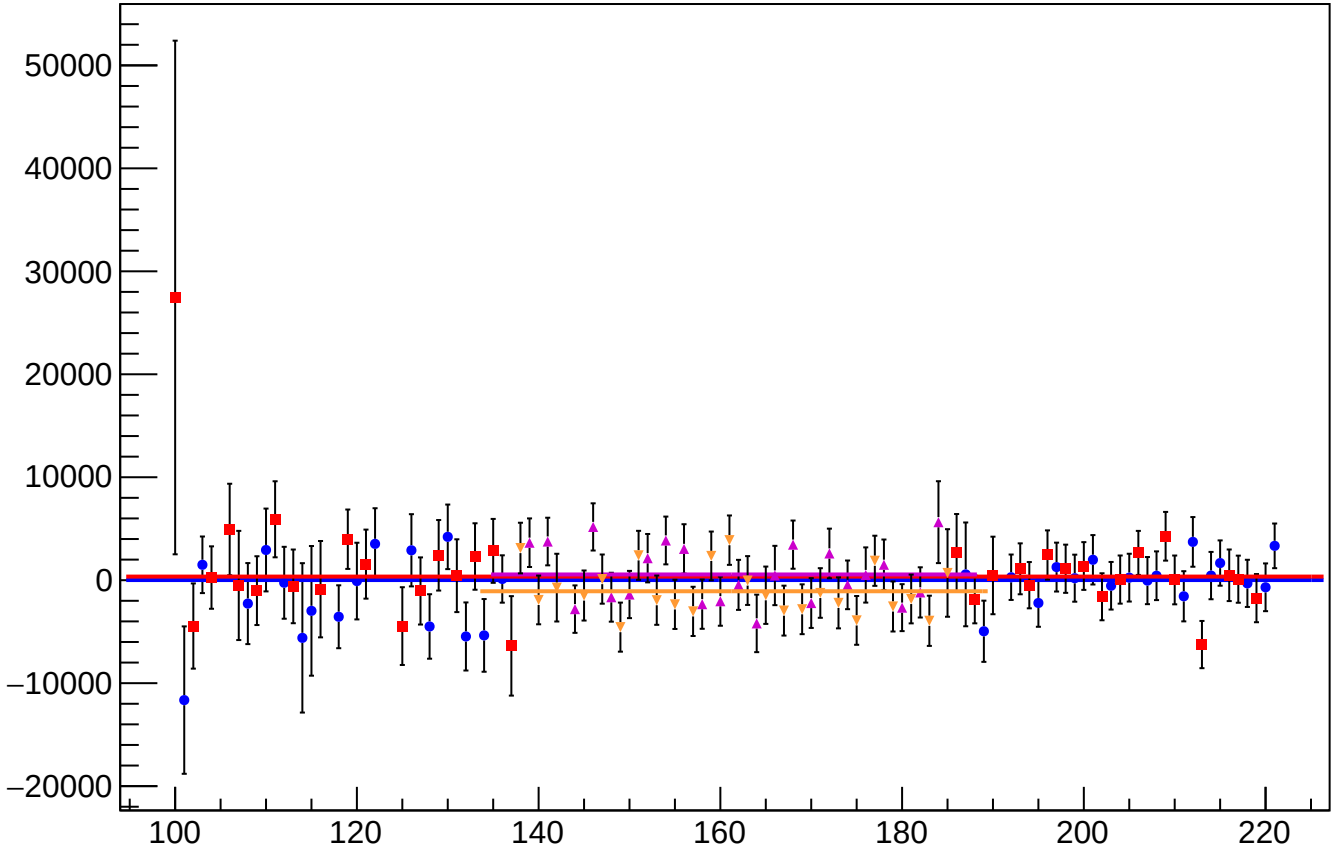
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 140.351+/-0.021 χ^2/NDF: 34249373.1/57

All: 140.691+/-0.015 χ^2/NDF: 65810657.7/11

- sign 141.045+/-0.021 χ^2/NDF: 31560746.9/57

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 15.490+/-473.053 χ^2/NDF: 27.3/33

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 351.432+/-486.337 χ^2/NDF: 29.4/34

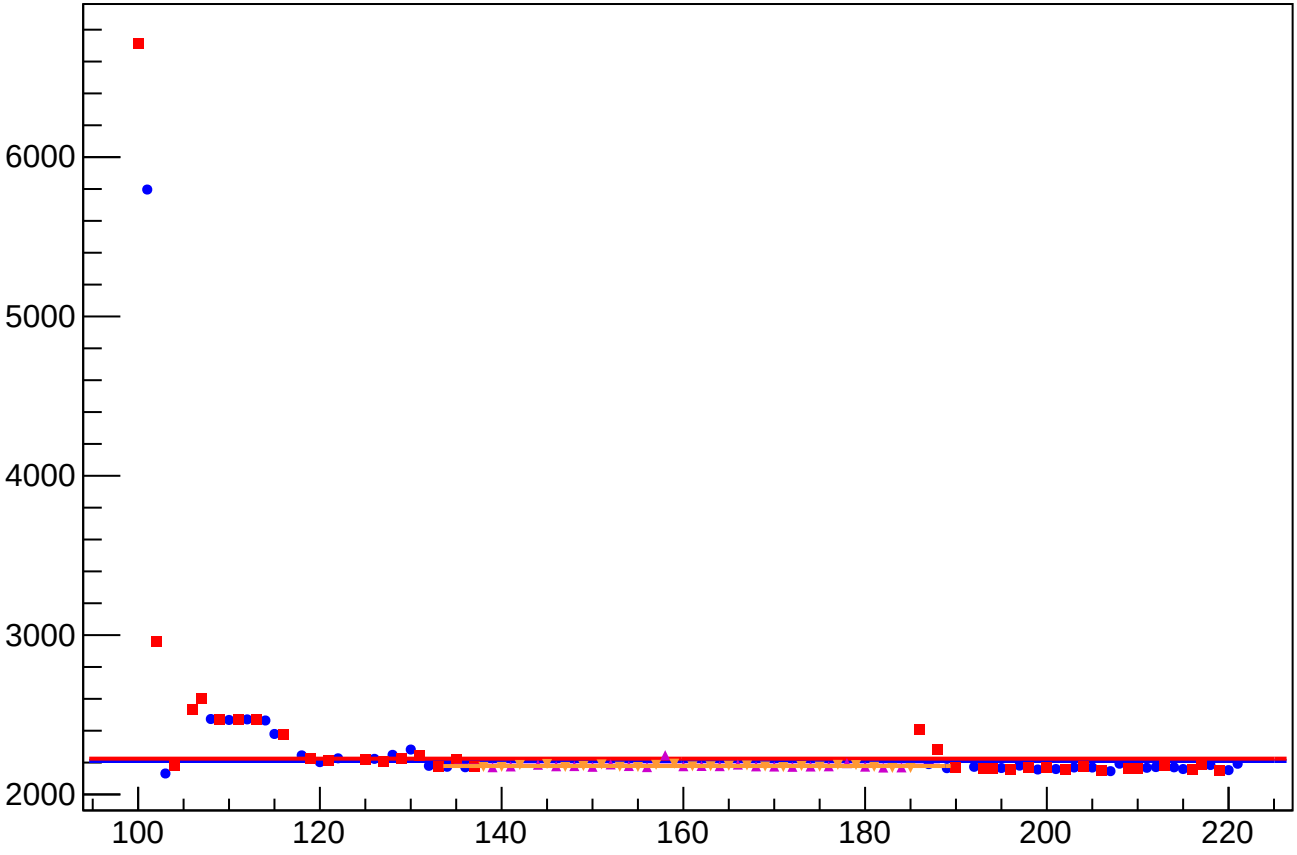
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -492.569+/-345.411 χ^2/NDF: 51.3/57

All: -30.015+/-246.436 χ^2/NDF: 113.1/115

- sign 449.534+/-351.700 χ^2/NDF: 58.2/57

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2209.933+/-0.334 χ^2/NDF: 550004.0/33

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

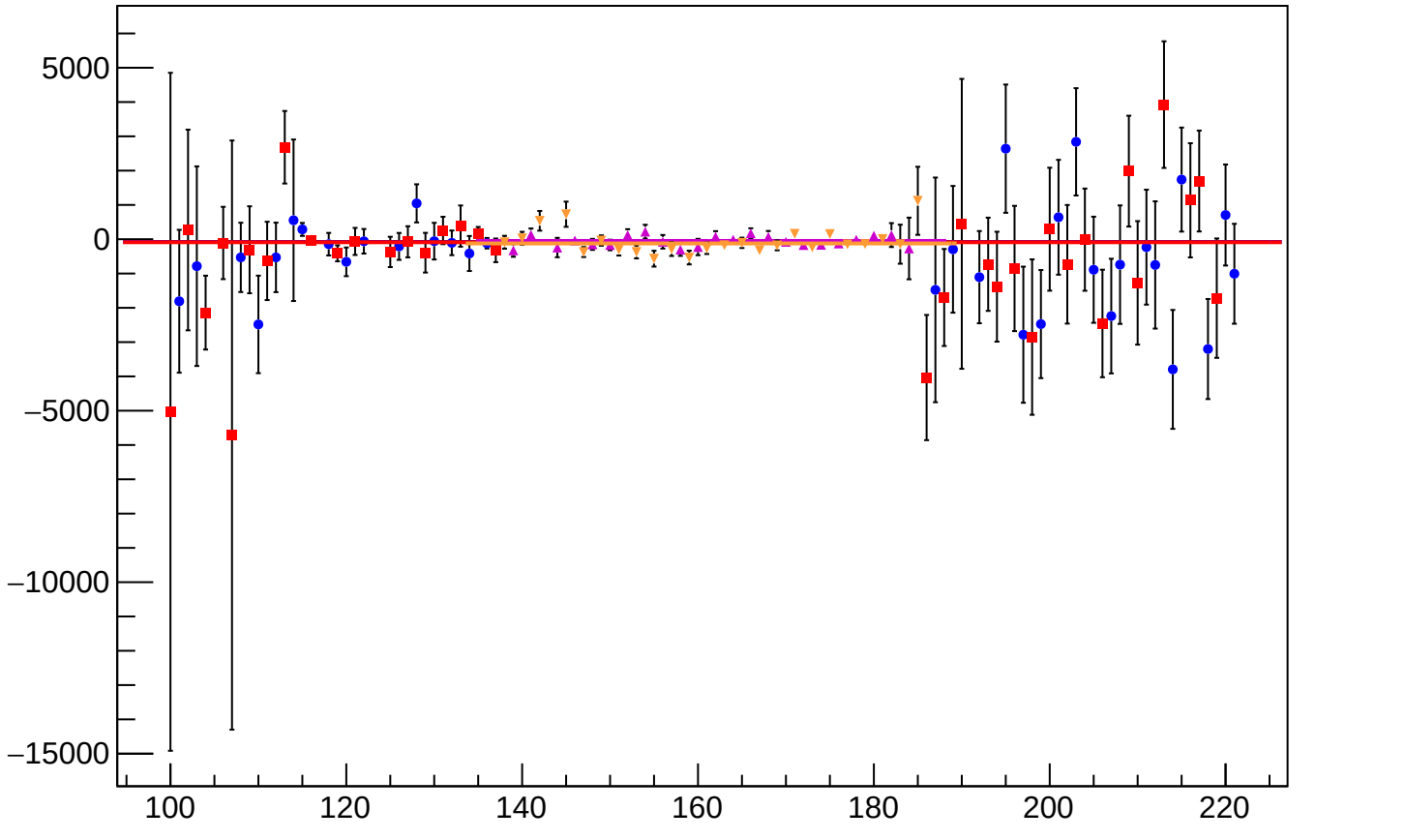
Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.139+/-0.244 χ^2/NDF: 554582.9/57

All: 2199.382+/-0.174 χ^2/NDF: 769824.6/115

- sign 2203.780+/-0.249 χ^2/NDF: 214627.3/57



Right In: -79.041+/-88.545 χ^2/NDF: 38.8/33

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

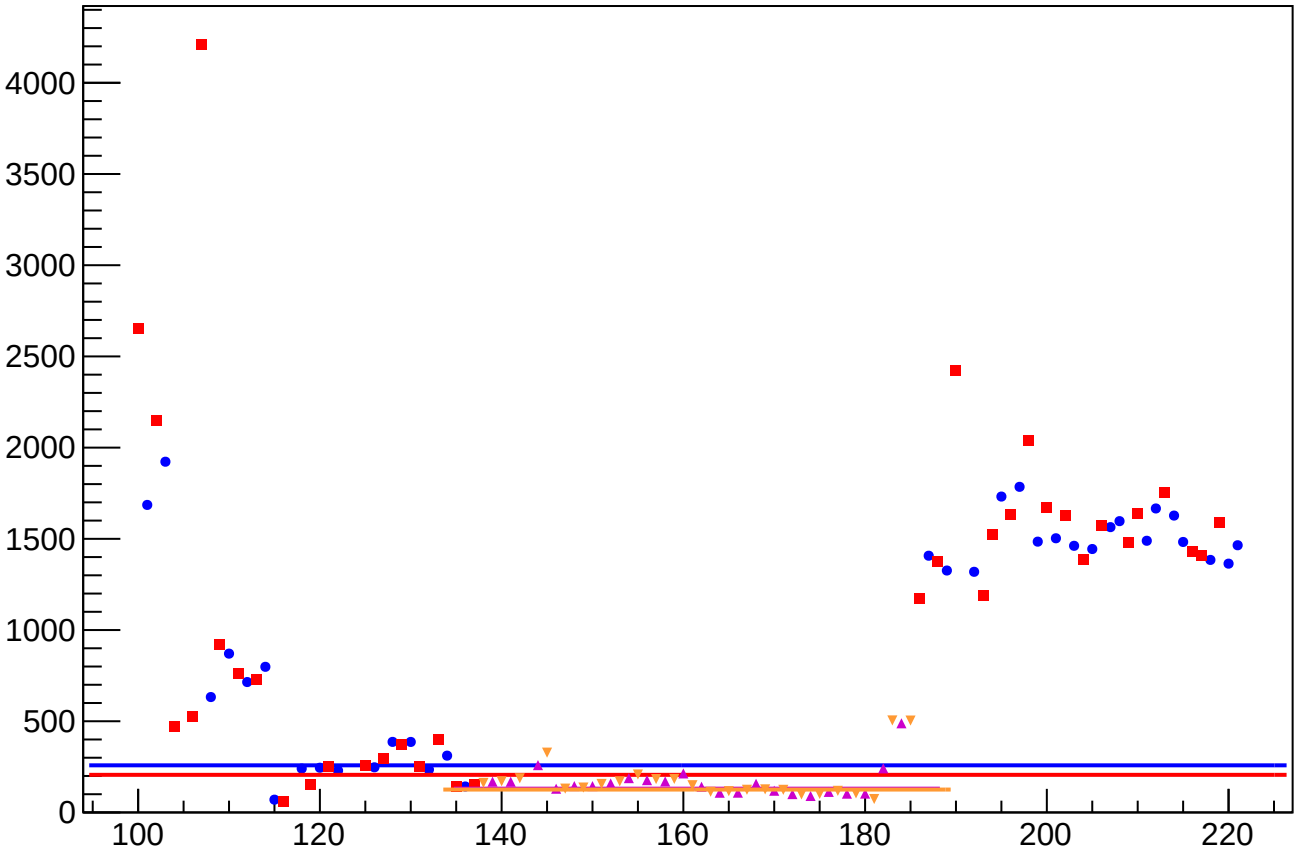
Right Out: -87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -118.023+/-29.601 χ^2/NDF: 82.8/57

All: -87.345+/-21.135 χ^2/NDF: 141.5/115

- sign -55.441+/-30.186 χ^2/NDF: 56.6/57



Right In: 258.368+/-0.063 χ^2/NDF: 26305844.8/33

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

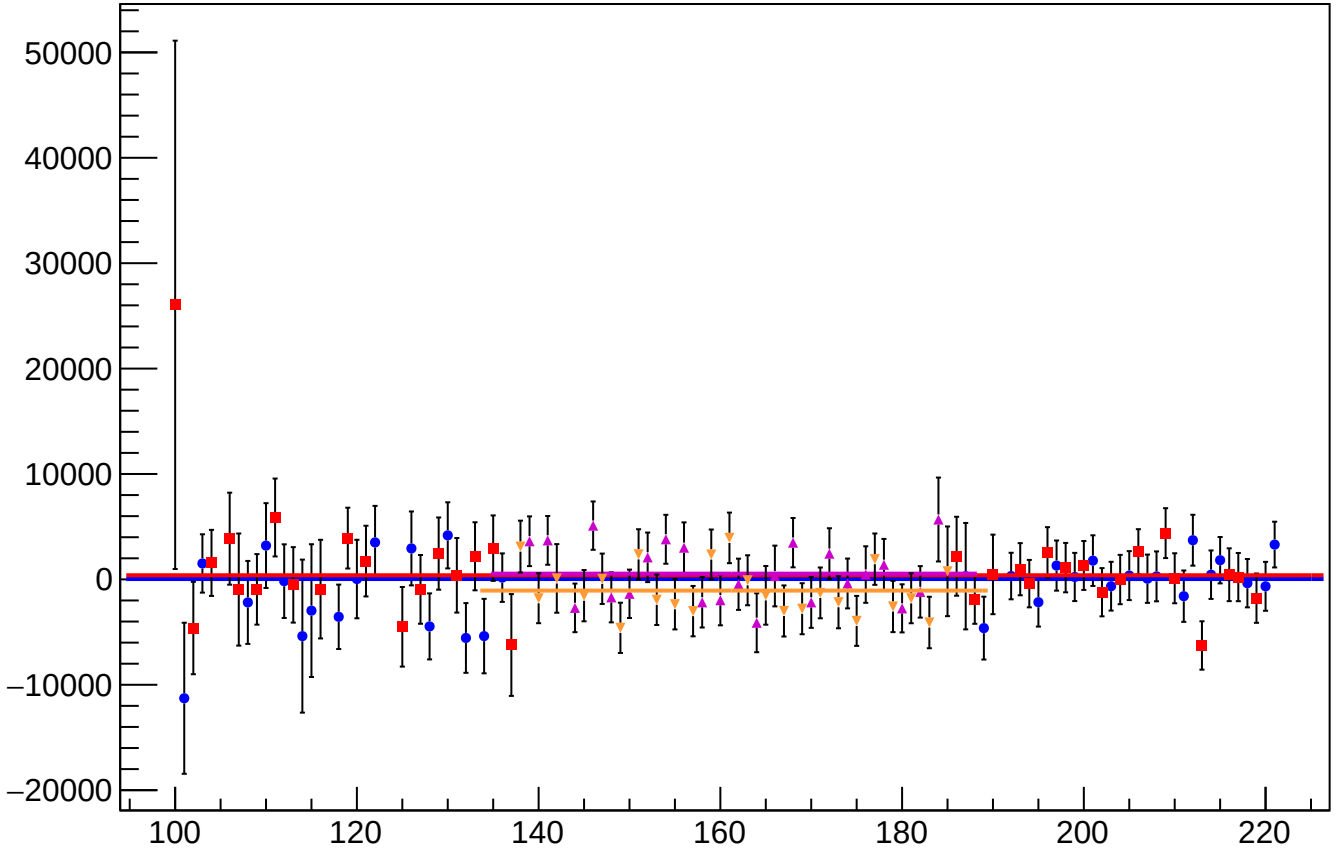
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 140.351+/-0.021 χ^2/NDF: 34249373.1/57

All: 140.691+/-0.015 χ^2/NDF: 65810657.7/11

- sign 141.045+/-0.021 χ^2/NDF: 31560746.9/57

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 32.967+/-473.512 χ^2/NDF: 26.7/33

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 392.423+/-487.480 χ^2/NDF: 28.6/34

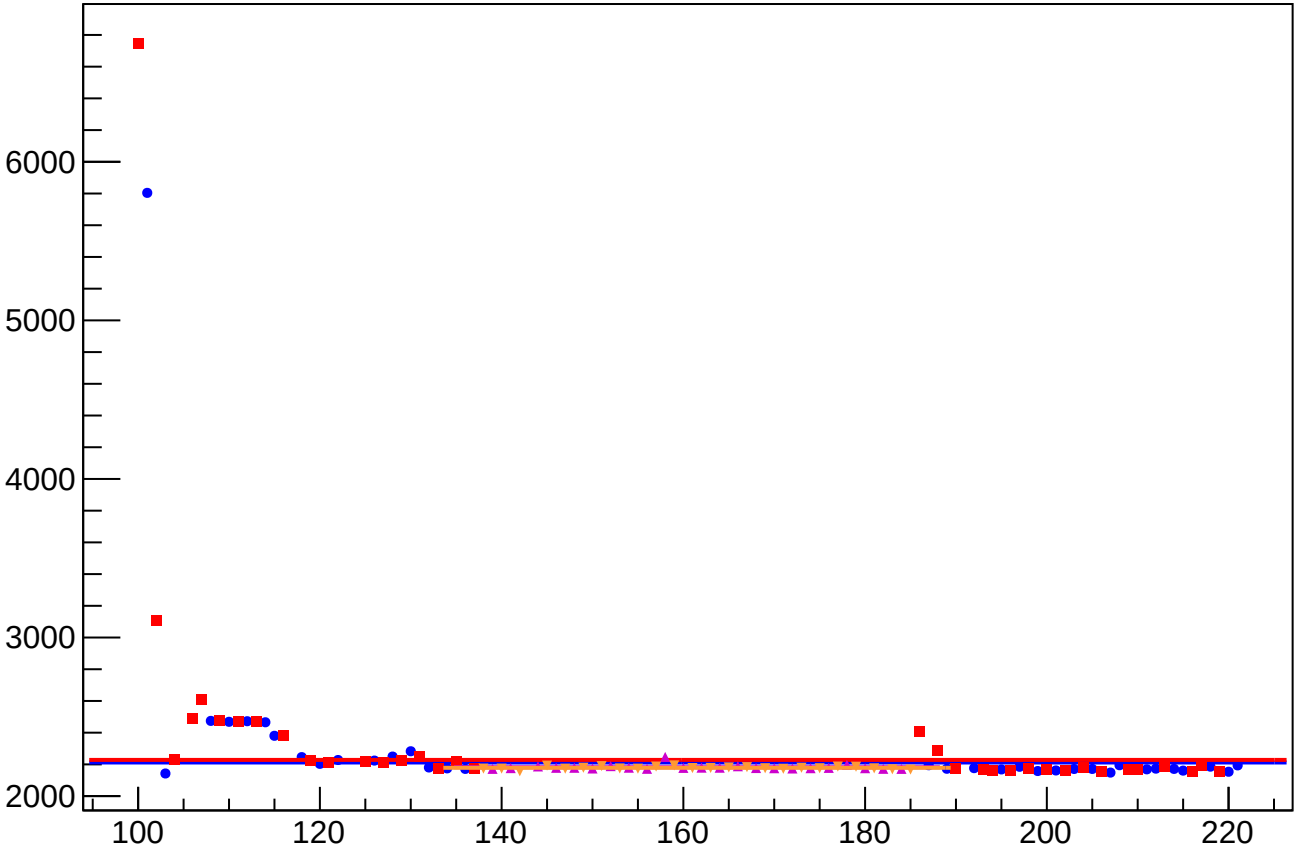
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -478.816+/-345.620 χ^2/NDF: 51.1/57

All: -15.815+/-246.685 χ^2/NDF: 111.4/115

- sign 465.000+/-352.206 χ^2/NDF: 56.6/57

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2212.003+/-0.335 χ^2/NDF: 549549.9/33

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

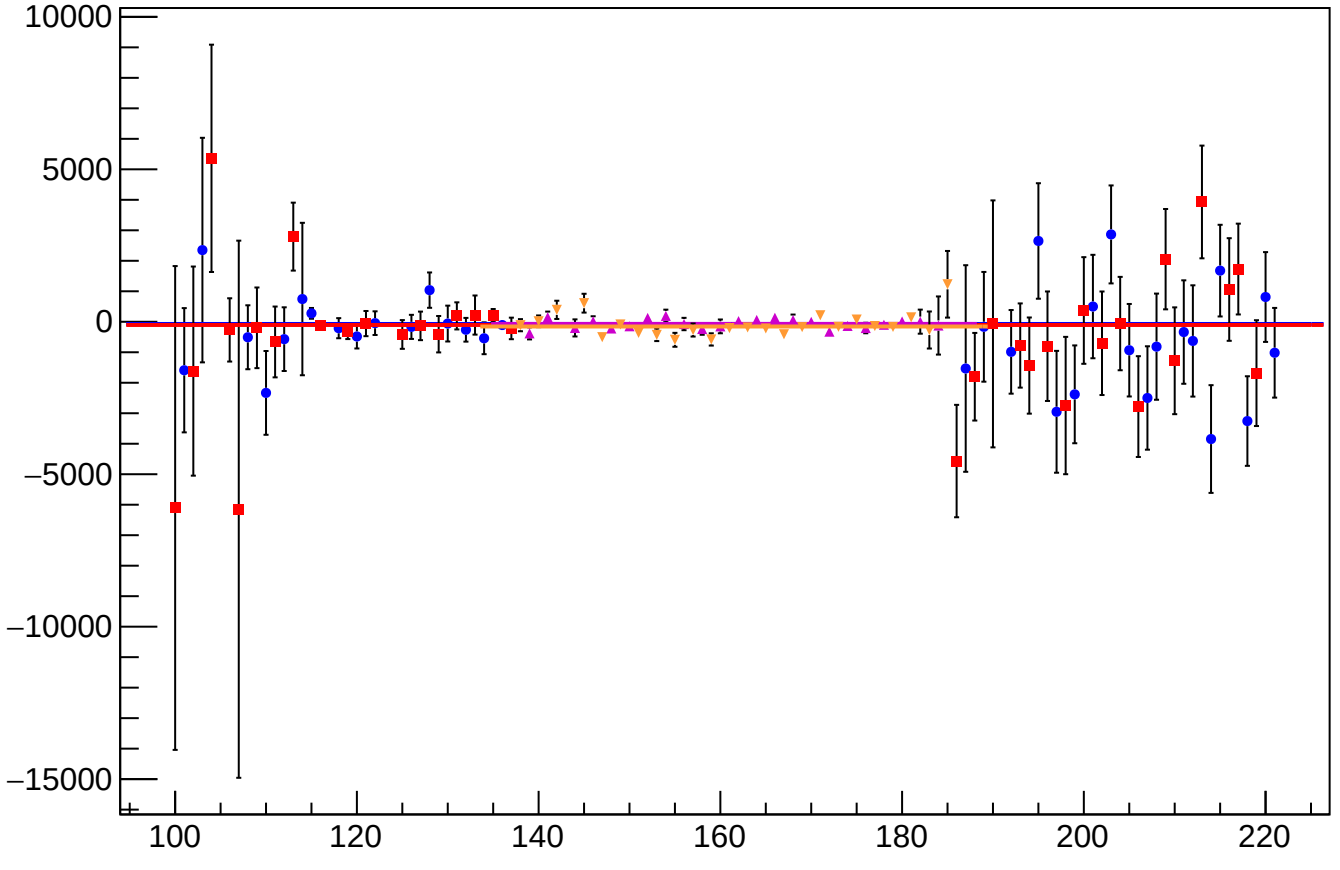
Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.8/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2196.351+/-0.244 χ^2/NDF: 554683.2/57

All: 2201.120+/-0.174 χ^2/NDF: 787090.6/115

- sign 2206.072+/-0.249 χ^2/NDF: 231631.2/57



Right In: -72.763+/-89.950 χ^2/NDF: 38.5/33

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

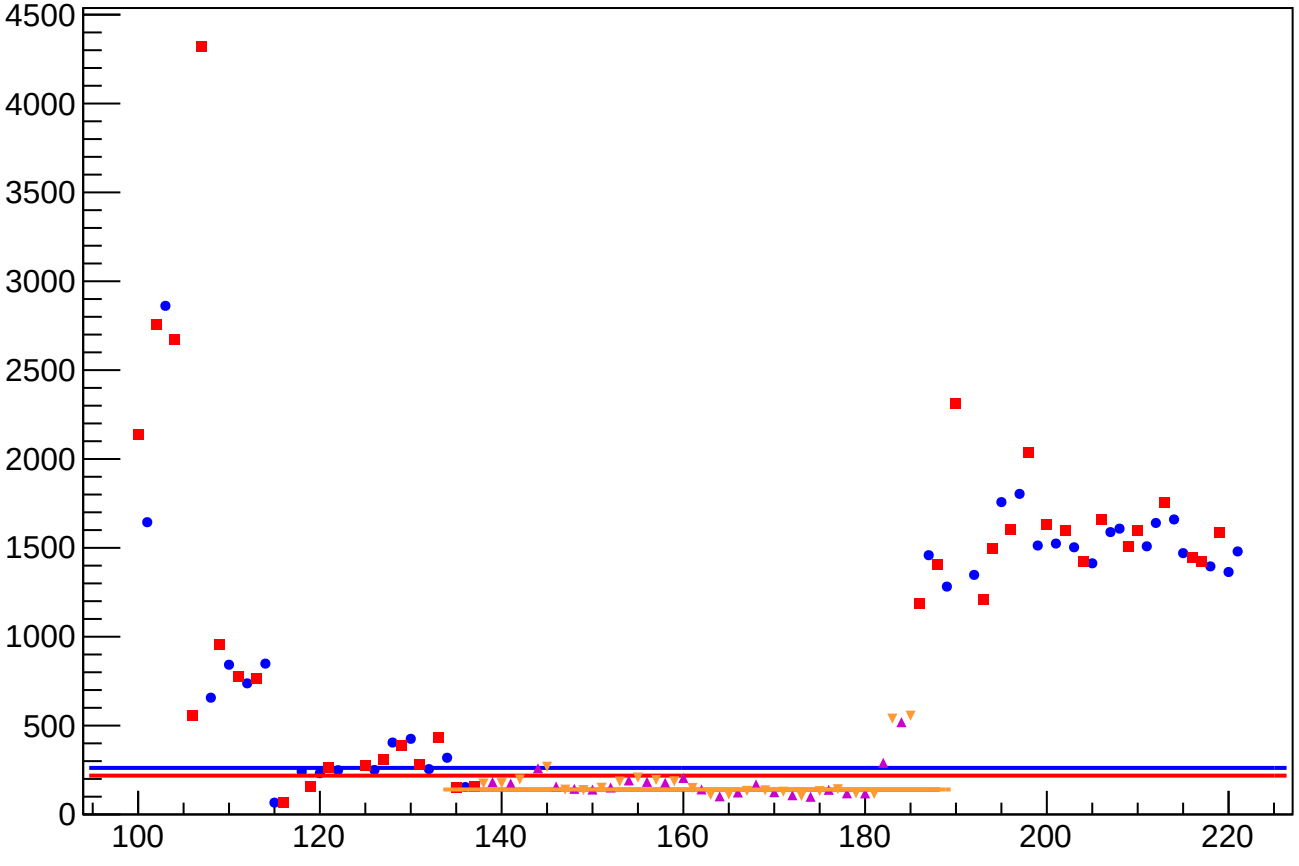
Right Out: -104.649+/-84.276 χ^2/NDF: 37.3/34

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -144.447+/-31.853 χ^2/NDF: 86.6/57

All: -109.560+/-22.467 χ^2/NDF: 145.3/115

- sign -75.022+/-31.693 χ^2/NDF: 56.4/57



Right In: 261.892+/-0.064 χ^2/NDF: 26844226.1/33

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

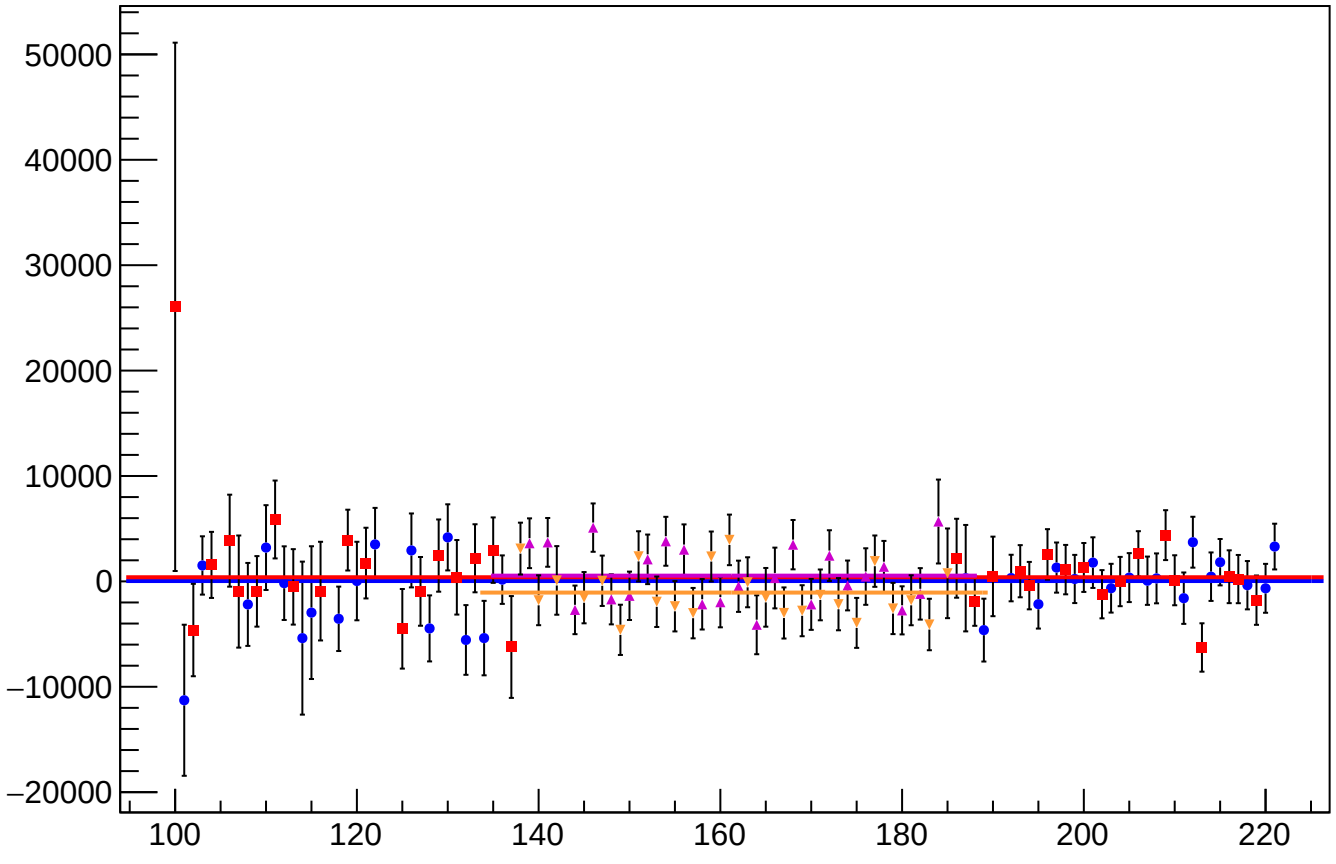
Right Out: 218.418+/-0.060 χ^2/NDF: 28064555.4/34

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 155.564+/-0.023 χ^2/NDF: 32799778.8/57

All: 153.307+/-0.016 χ^2/NDF: 64784323.3/11

- sign 151.072+/-0.022 χ^2/NDF: 31964555.0/57



Right In: 32.965+/-473.512 χ^2/NDF: 26.7/33

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 392.424+/-487.480 χ^2/NDF: 28.6/34

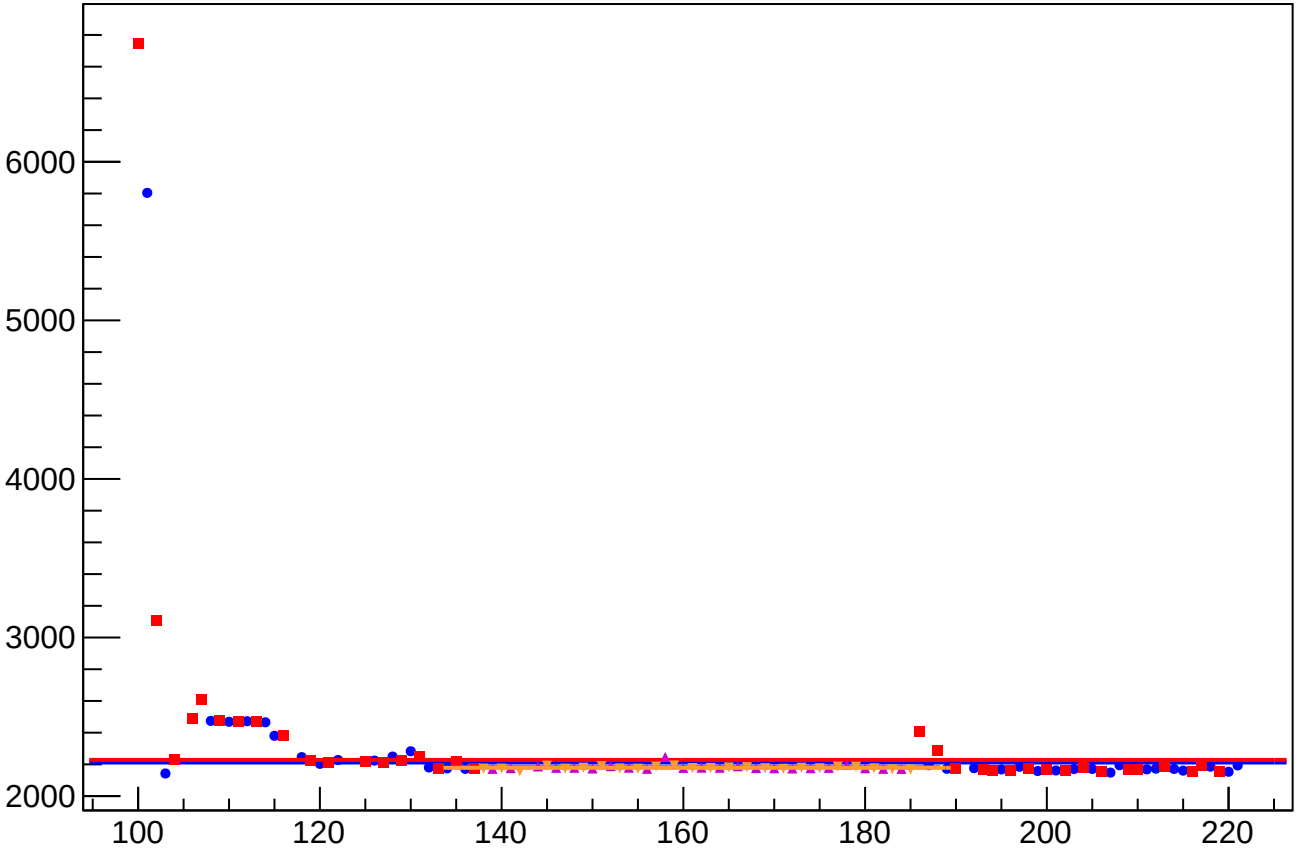
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -478.817+/-345.620 χ^2/NDF: 51.1/57

All: -15.816+/-246.685 χ^2/NDF: 111.4/115

- sign 465.000+/-352.206 χ^2/NDF: 56.6/57

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2212.003+/-0.335 χ^2/NDF: 549549.9/33

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

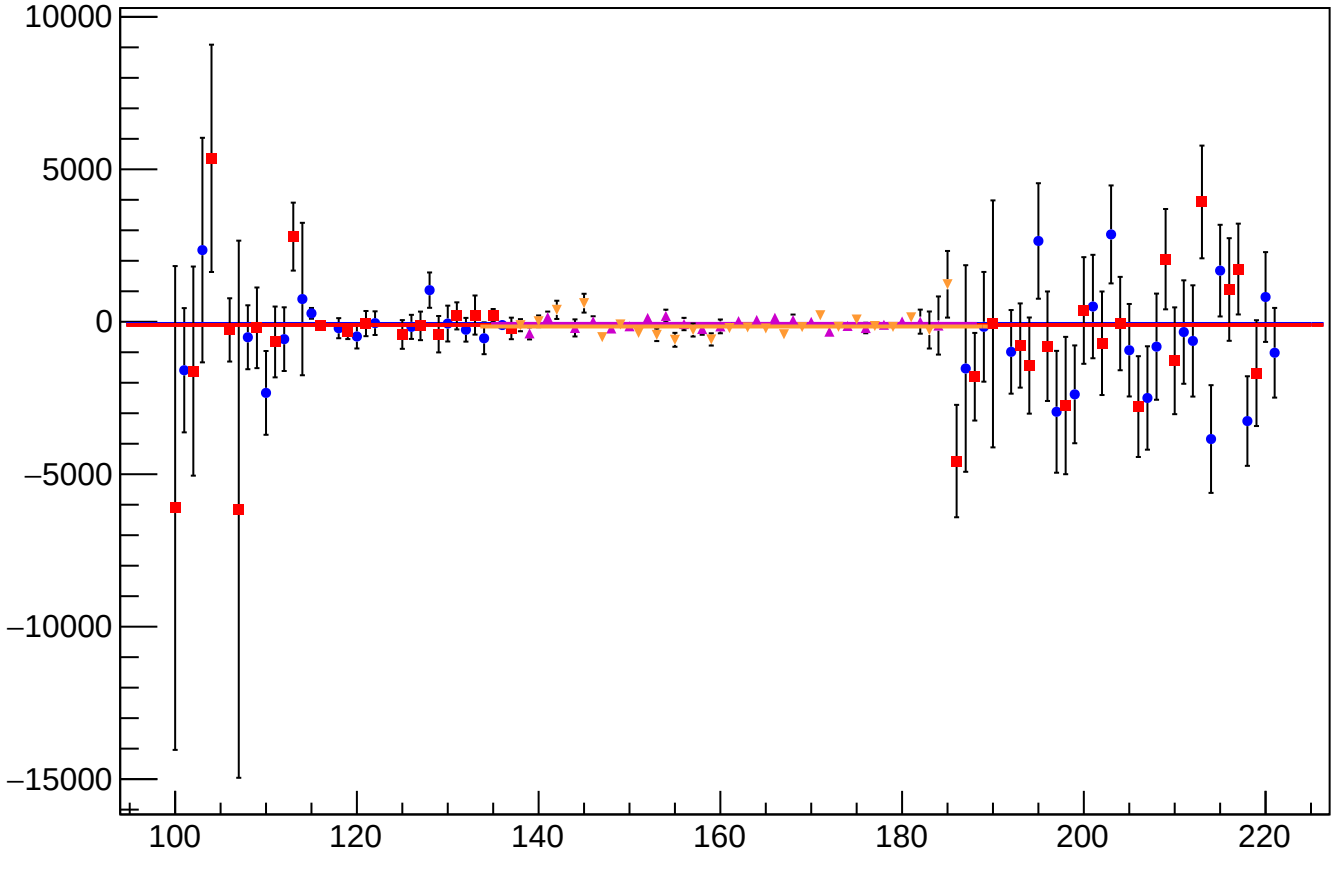
Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.7/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2196.351+/-0.244 χ^2/NDF: 554683.2/57

All: 2201.119+/-0.174 χ^2/NDF: 787090.4/115

- sign 2206.072+/-0.249 χ^2/NDF: 231631.1/57



Right In: -72.760+/-89.949 χ^2/NDF: 38.5/33

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

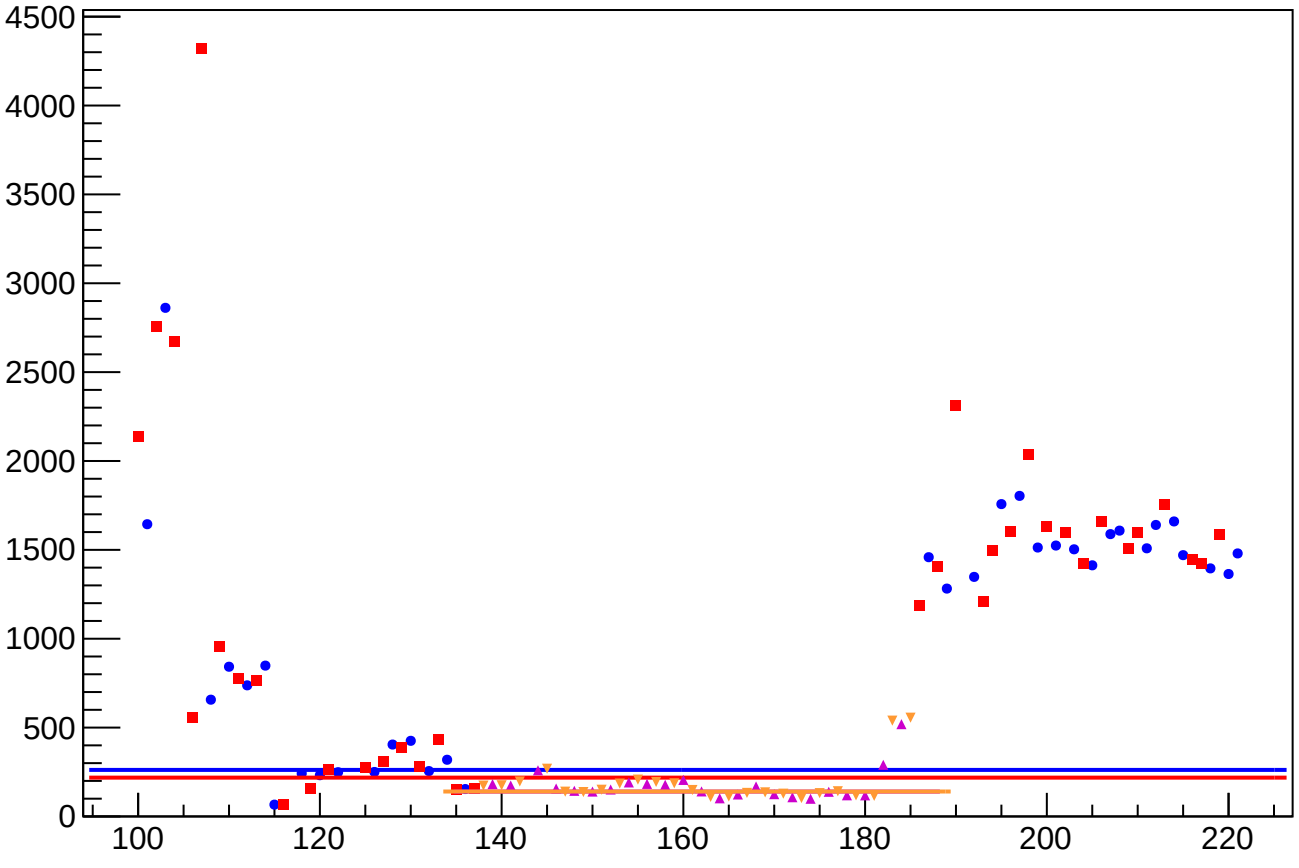
Right Out: -104.650+/-84.275 χ^2/NDF: 37.3/34

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -144.447+/-31.854 χ^2/NDF: 86.6/57

All: -109.559+/-22.467 χ^2/NDF: 145.3/115

- sign -75.021+/-31.694 χ^2/NDF: 56.4/57



Right In: 261.888+/-0.064 χ^2/NDF: 26844375.6/33

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 218.415+/-0.060 χ^2/NDF: 28064708.6/34

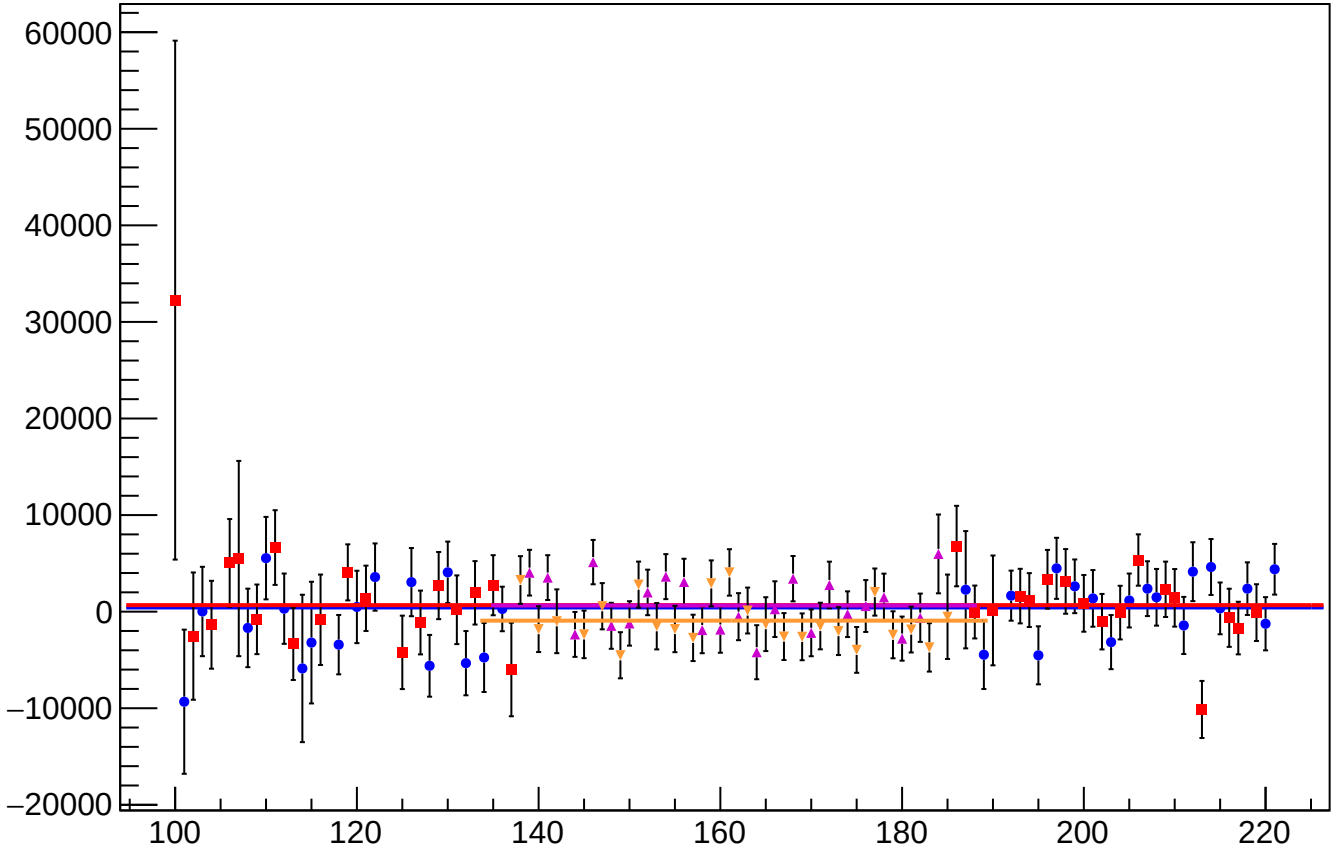
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 155.565+/-0.023 χ^2/NDF: 32799767.9/57

All: 153.307+/-0.016 χ^2/NDF: 64784414.0/11

- sign 151.072+/-0.022 χ^2/NDF: 31964654.0/57

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 434.781+/-551.275 χ^2/NDF: 34.1/33

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 674.621+/-572.510 χ^2/NDF: 35.0/34

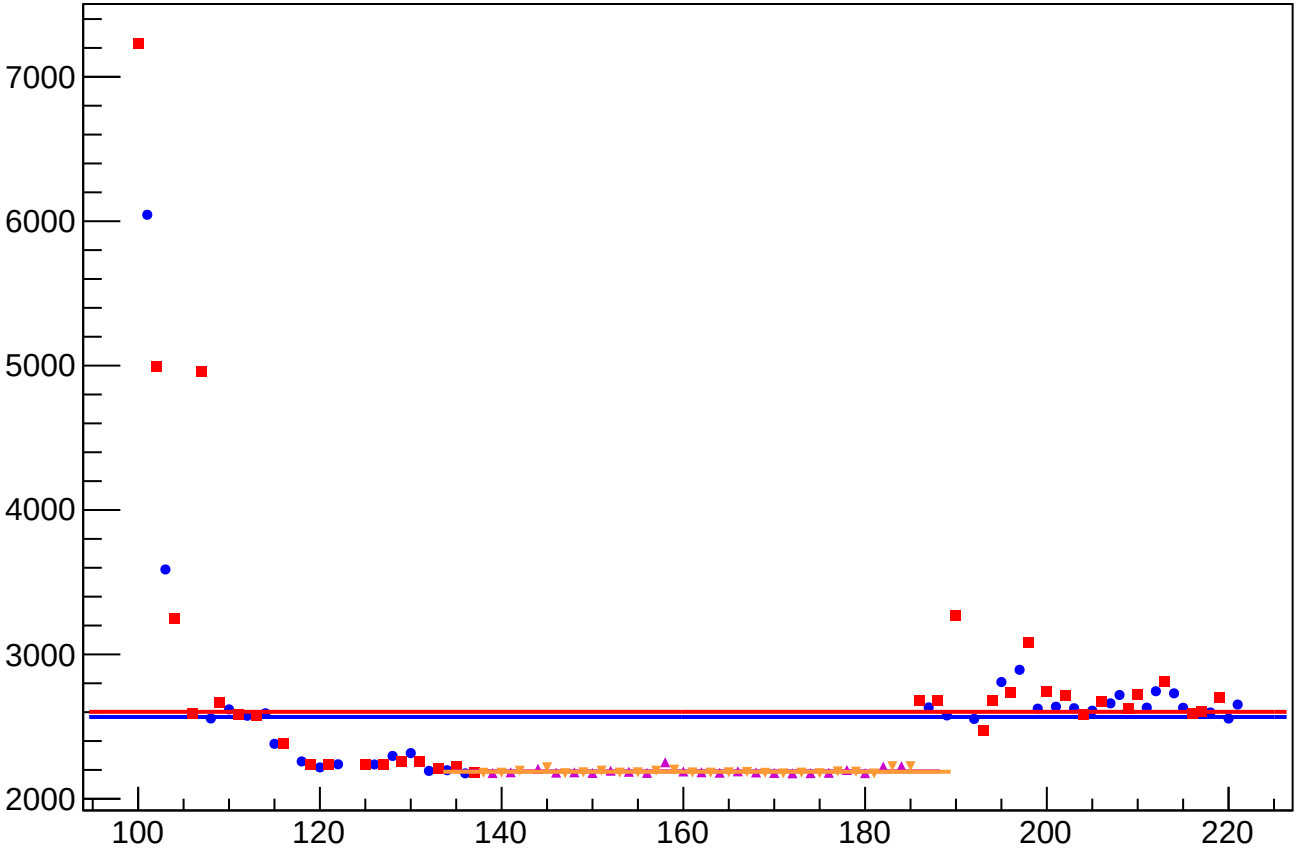
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -304.734+/-373.461 χ^2/NDF: 59.8/57

All: 165.993+/-266.834 χ^2/NDF: 125.0/115

- sign 656.906+/-381.385 χ^2/NDF: 62.0/57

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2566.584+/-0.390 χ^2/NDF: 800525.7/33

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

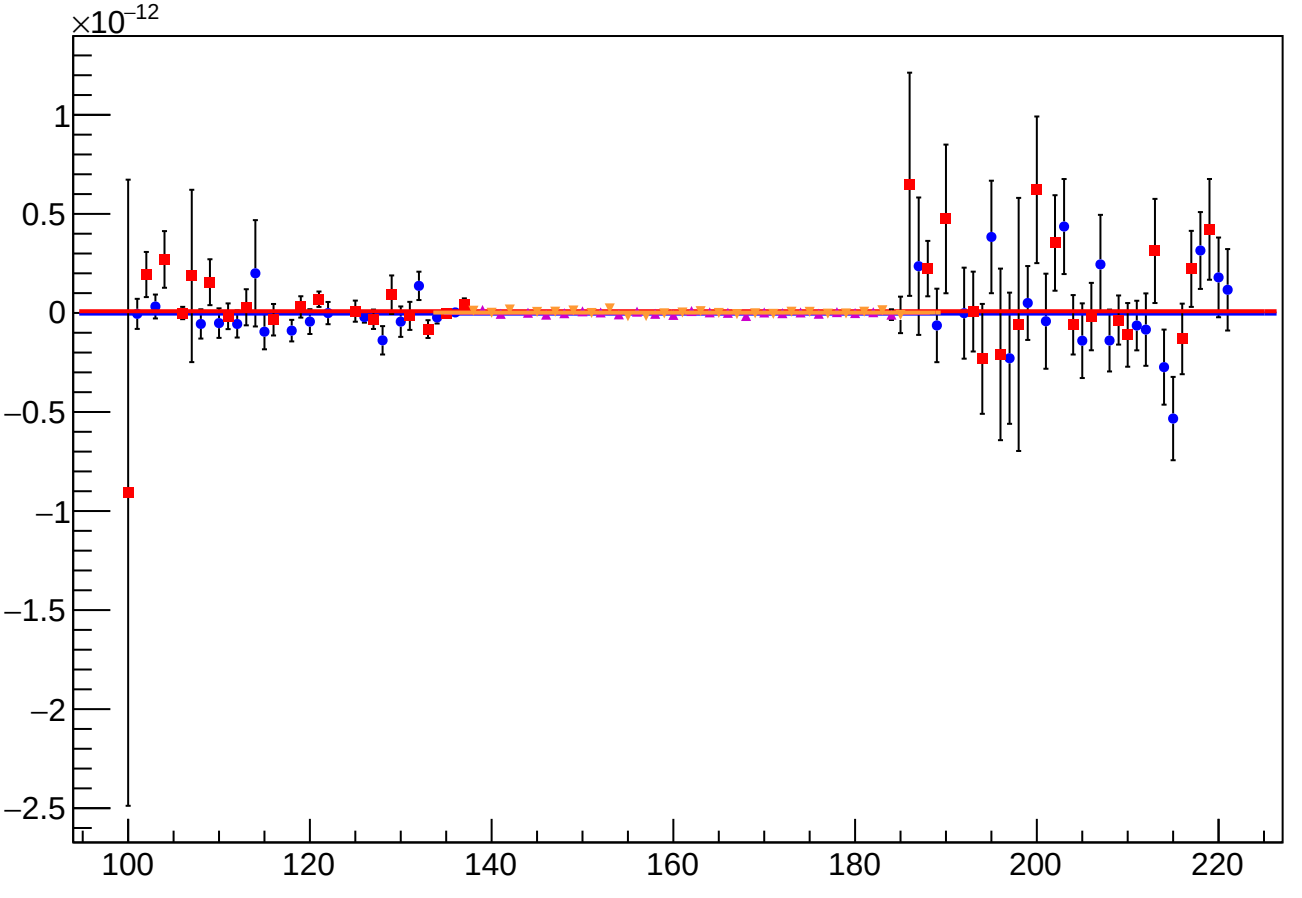
Right Out: 2602.383+/-0.405 χ^2/NDF: 792013.4/34

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2361.541+/-0.264 χ^2/NDF: 1313239.7/57

All: 2367.197+/-0.189 χ^2/NDF: 2685465.1/11

- sign 2373.095+/-0.270 χ^2/NDF: 1371288.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 36.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

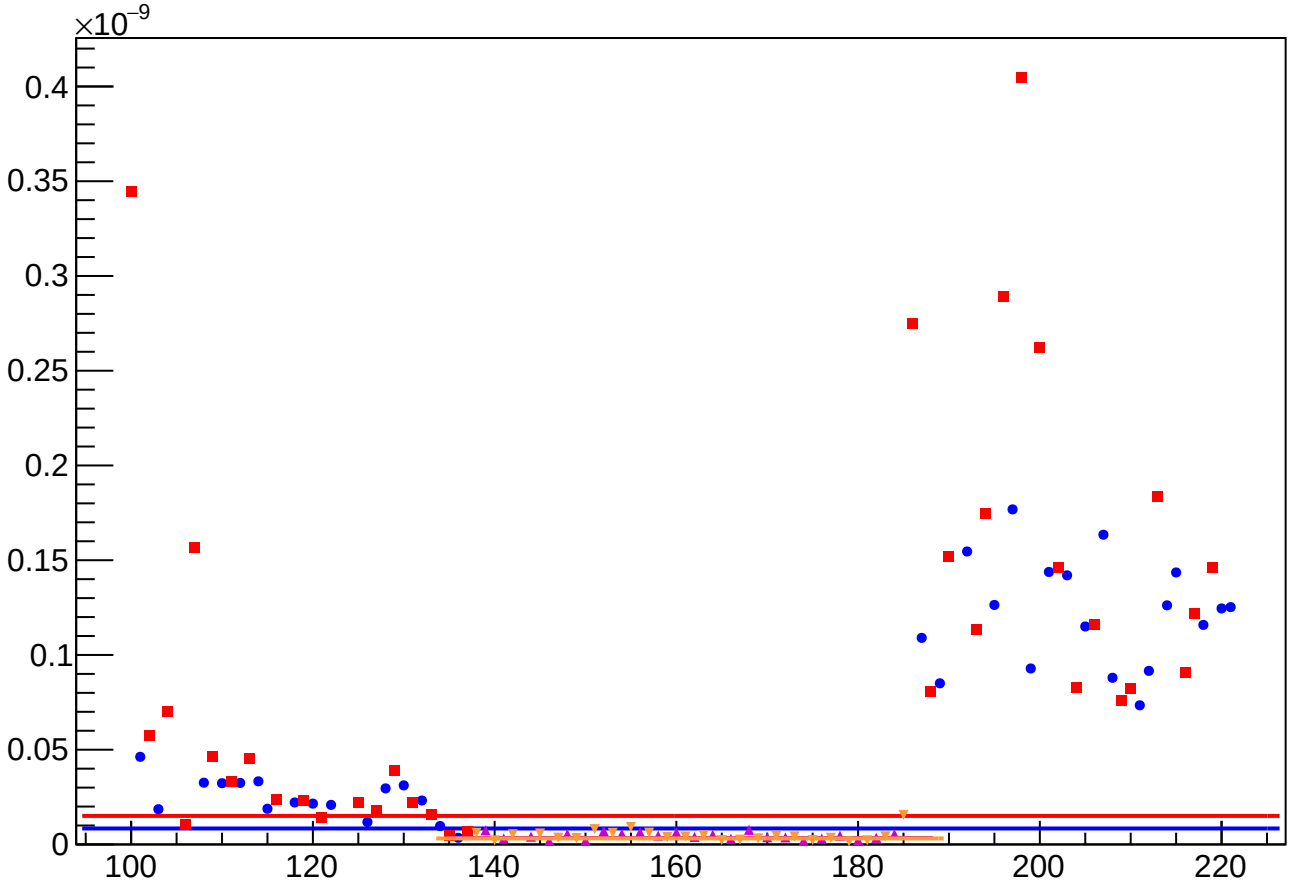
Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/34

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/57

All: 0.000+/-0.000 χ^2/NDF: 108.0/115

- sign 0.000+/-0.000 χ^2/NDF: 50.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 13276778.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

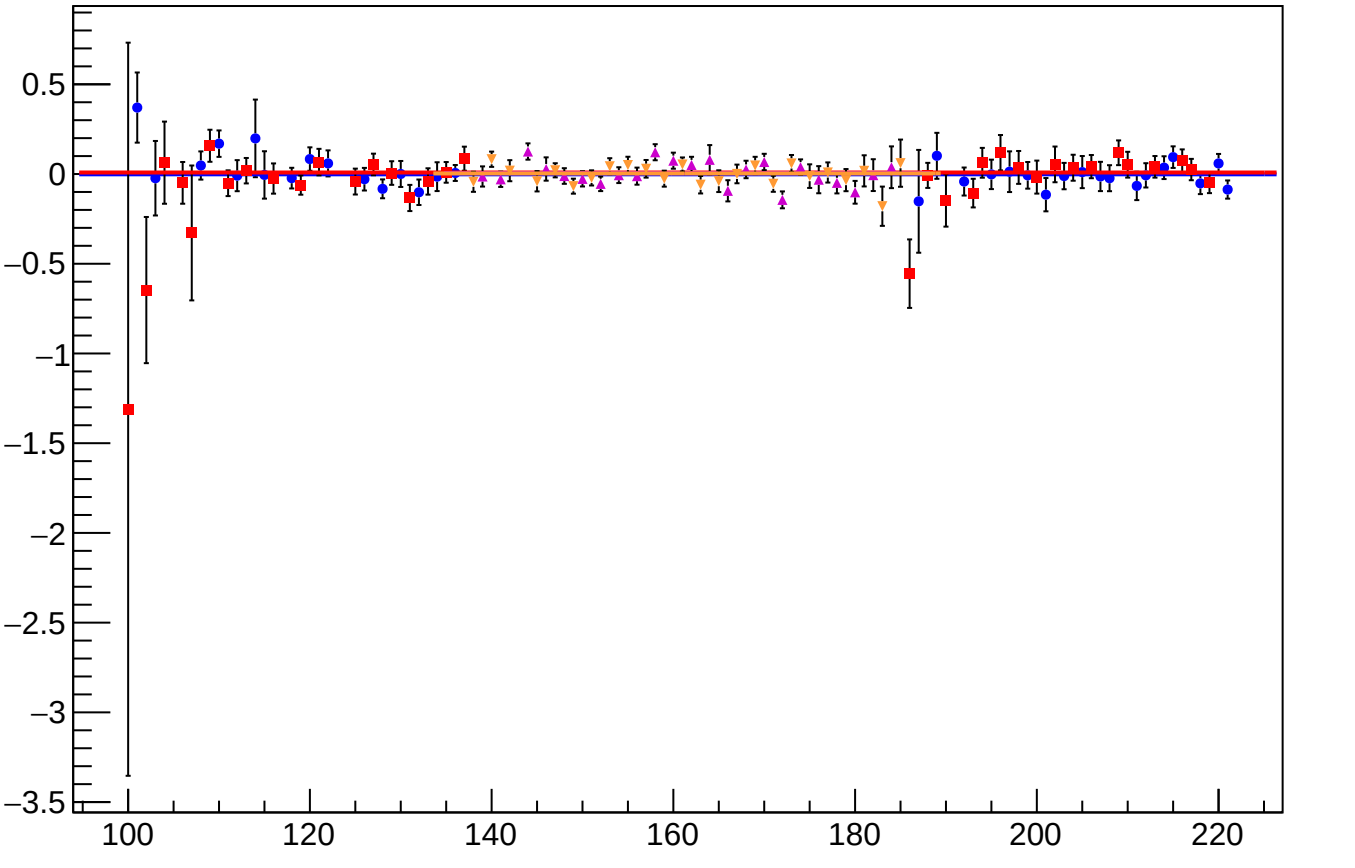
Right Out: 0.000+/-0.000 χ^2/NDF: 12561844.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16680497.0/57

All: 0.000+/-0.000 χ^2/NDF: 33855410.2/115

- sign 0.000+/-0.000 χ^2/NDF: 17146929.5/57



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

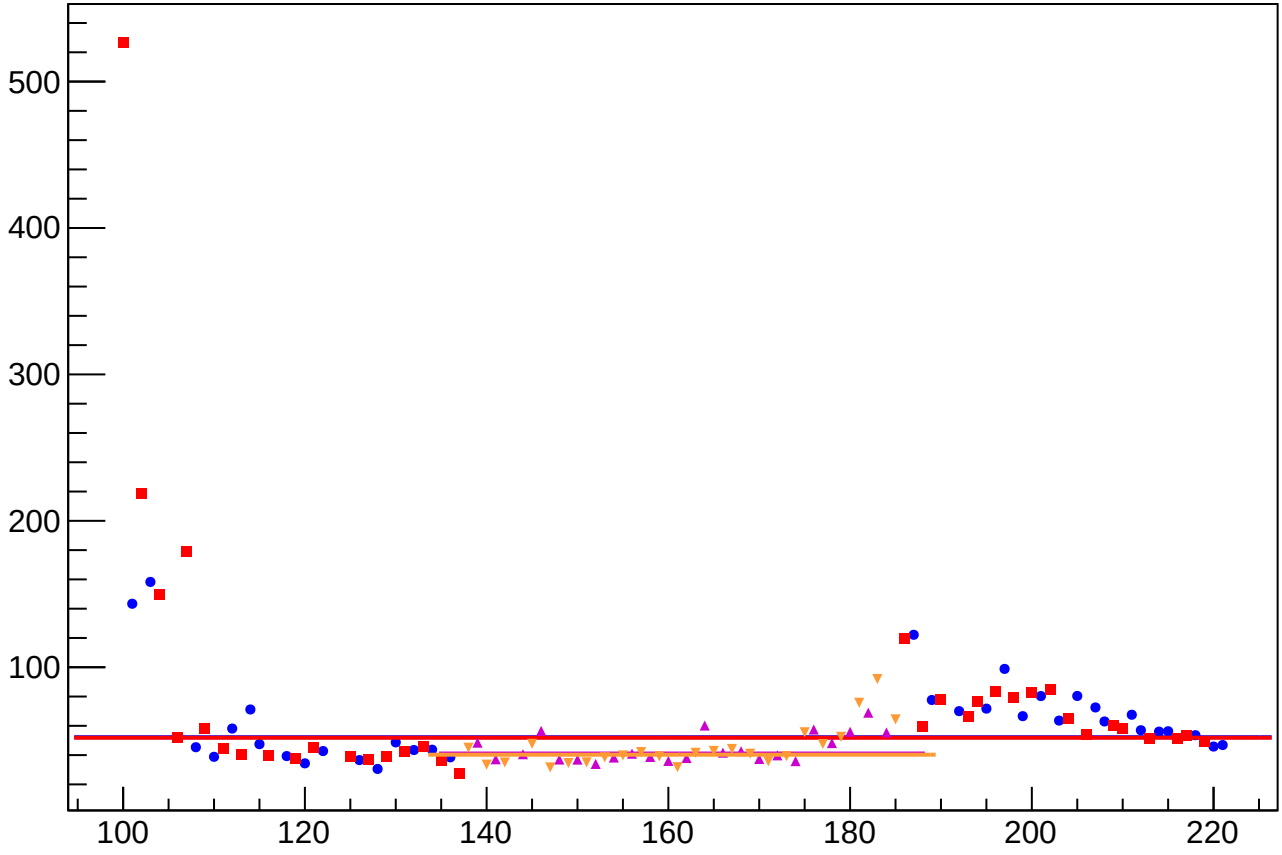
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.004+/-0.006 χ^2/NDF: 128.7/115

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.202+/-0.009 χ^2/NDF: 3641085.6/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

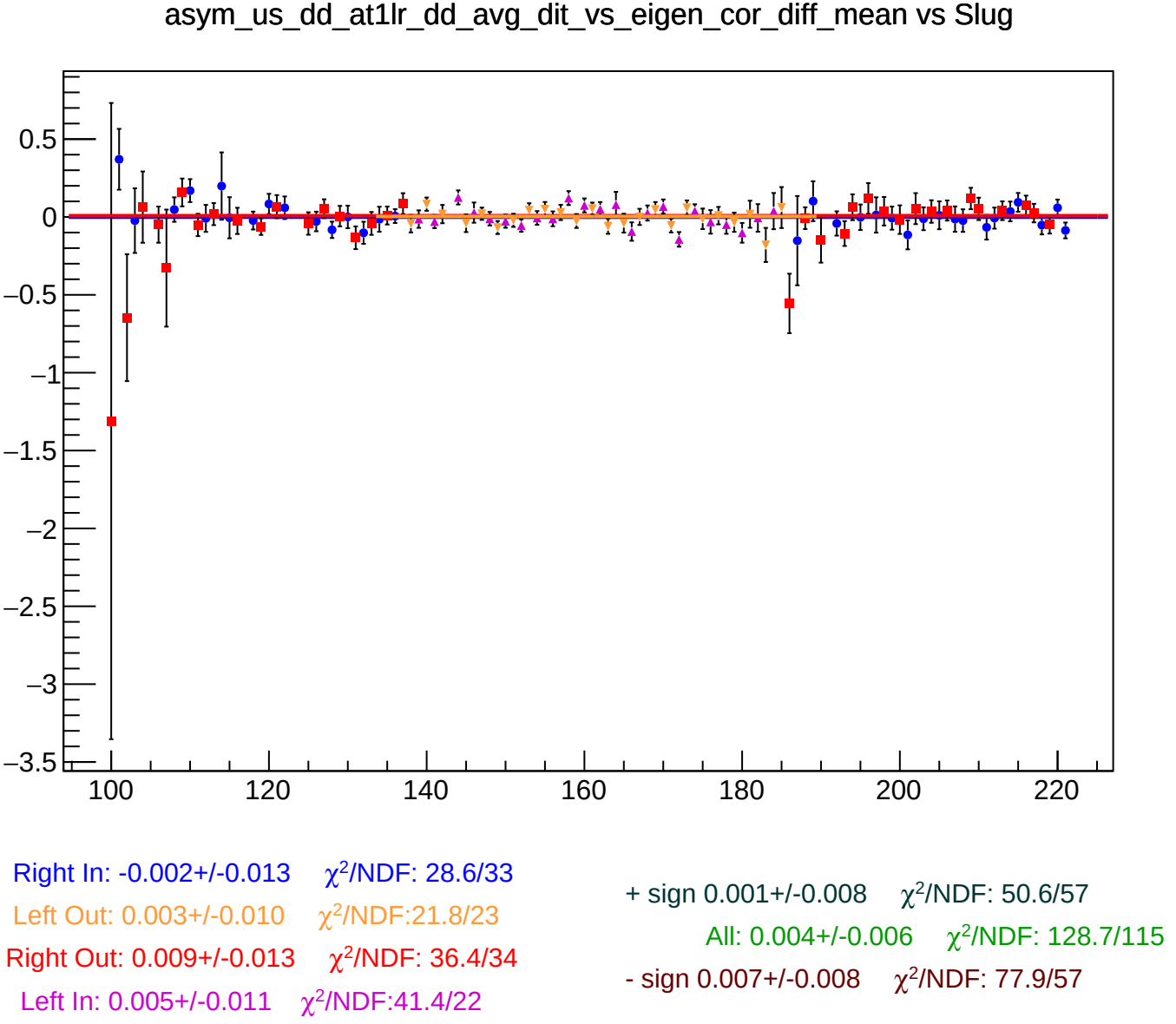
Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

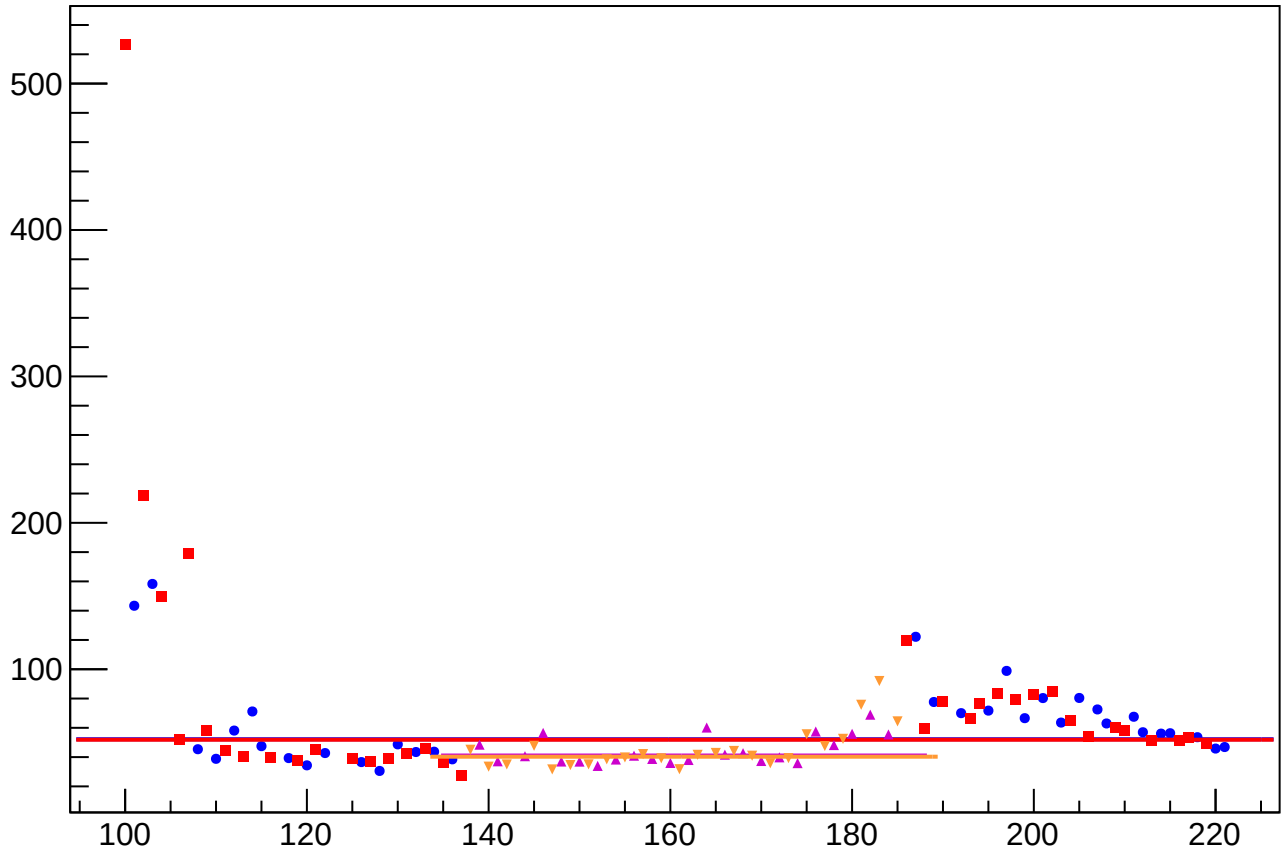
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.111+/-0.006 χ^2/NDF: 6202258.0/57

All: 45.224+/-0.004 χ^2/NDF: 11532001.0/115

- sign 45.343+/-0.006 χ^2/NDF: 5328920.7/57


asym_us_dd_at1lr_dd_avg_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
220
Right In: -0.002+/-0.013 χ²/NDF: 28.6/33
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: 0.009+/-0.013 χ²/NDF: 36.4/34
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.001+/-0.008 χ²/NDF: 50.6/57
All: 0.004+/-0.006 χ²/NDF: 128.7/115
- sign 0.007+/-0.008 χ²/NDF: 77.9/57



Right In: 52.202+/-0.009 χ^2/NDF: 3641085.6/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

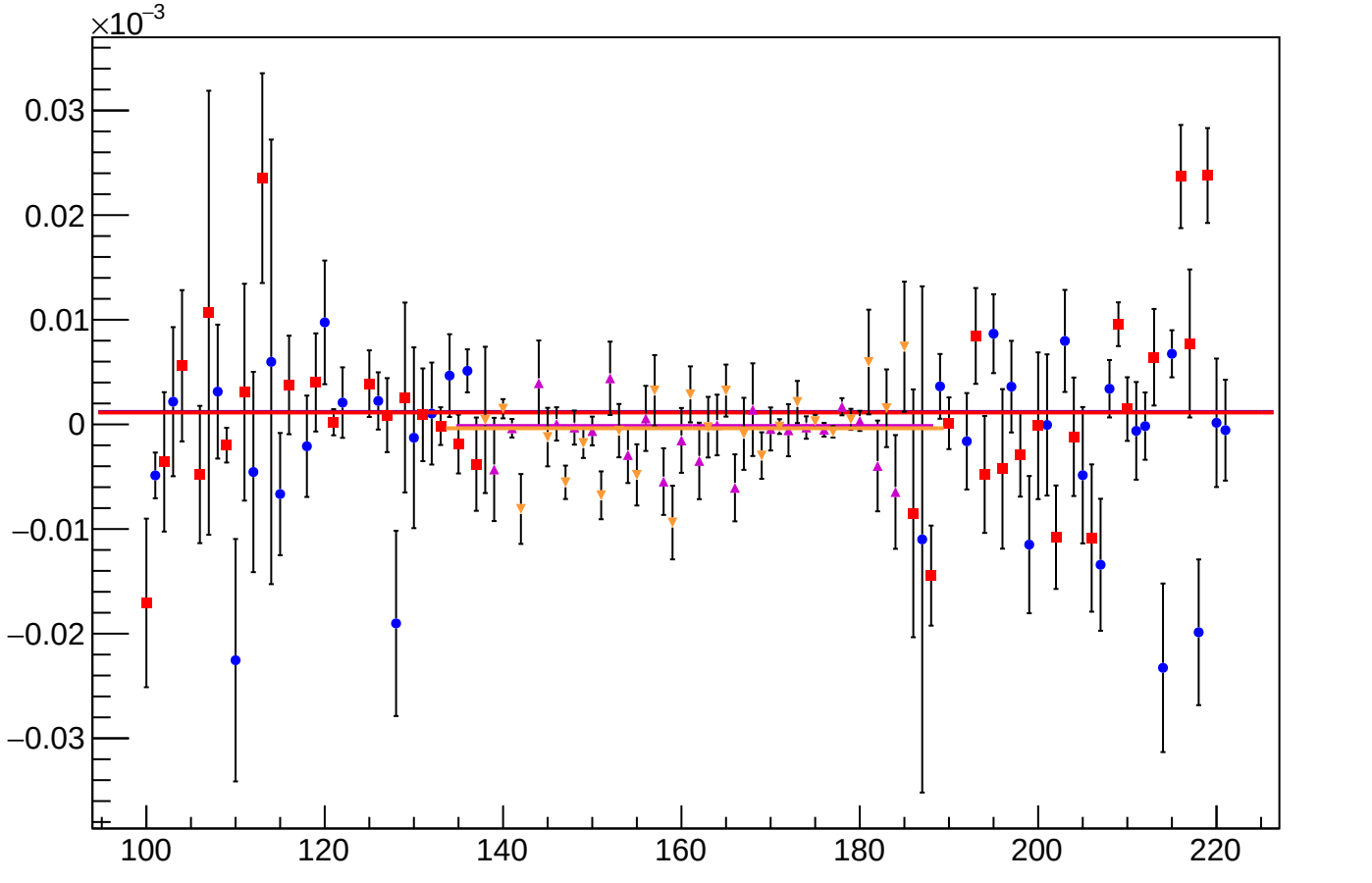
Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.111+/-0.006 χ^2/NDF: 6202258.0/57

All: 45.224+/-0.004 χ^2/NDF: 11532001.0/115

- sign 45.343+/-0.006 χ^2/NDF: 5328920.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 69.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

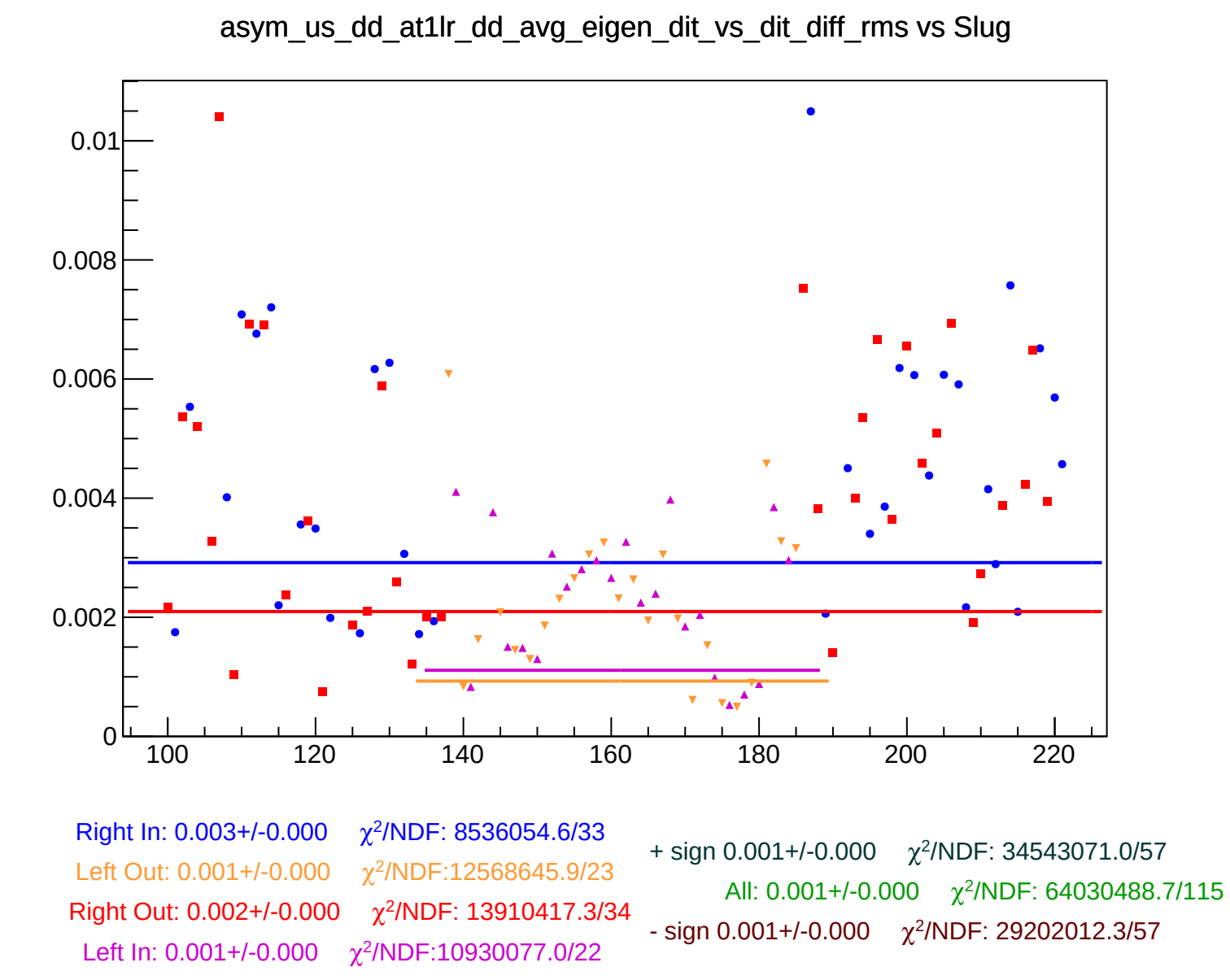
Right Out: 0.000+/-0.000 χ^2/NDF: 110.4/34

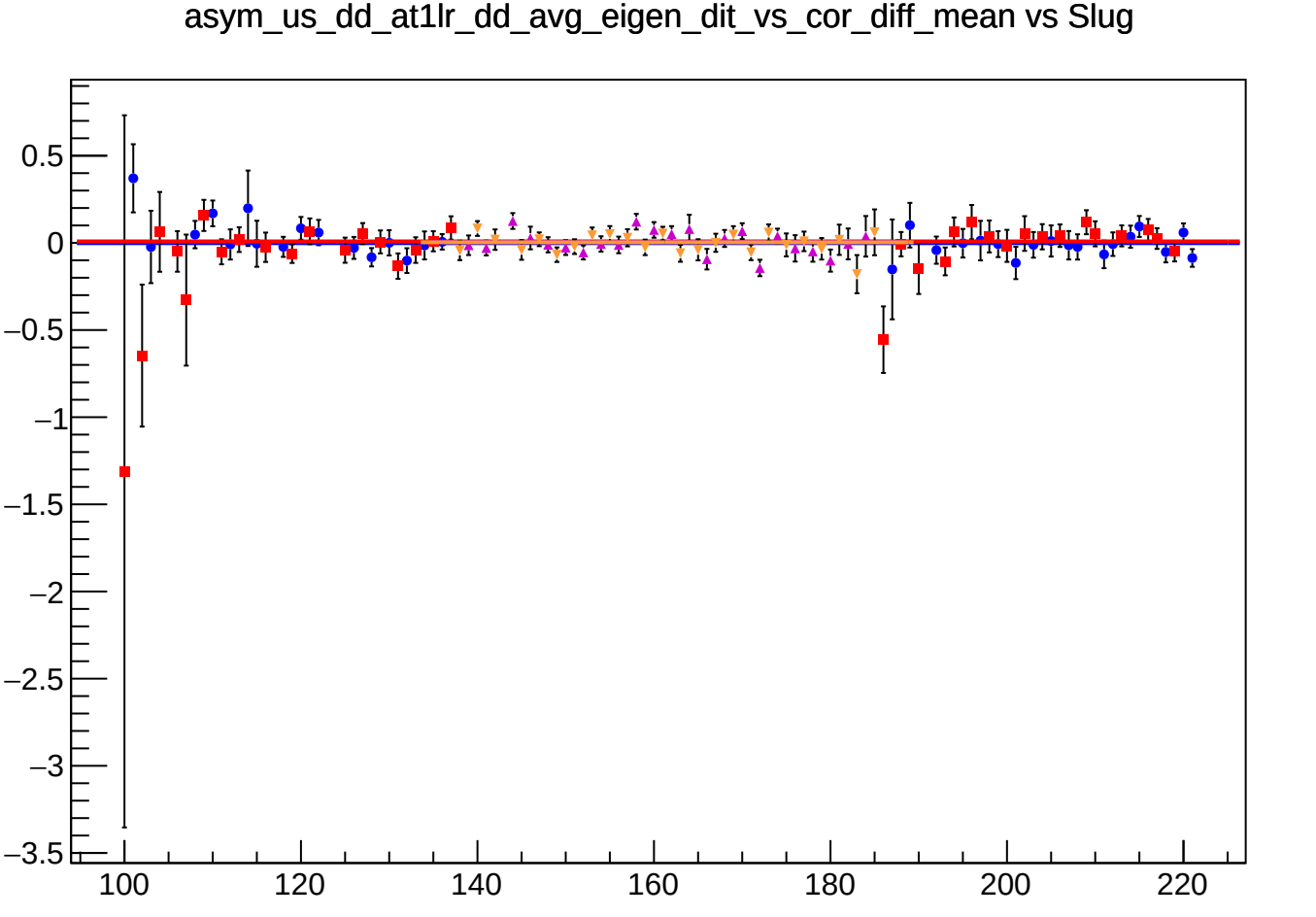
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 125.1/57

All: -0.000+/-0.000 χ^2/NDF: 259.7/115

- sign 0.000+/-0.000 χ^2/NDF: 134.0/57


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 8536054.6/33
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 13910417.3/34
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 34543071.0/57
All: 0.001+/-0.000 χ²/NDF: 64030488.7/115
- sign 0.001+/-0.000 χ²/NDF: 29202012.3/57



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

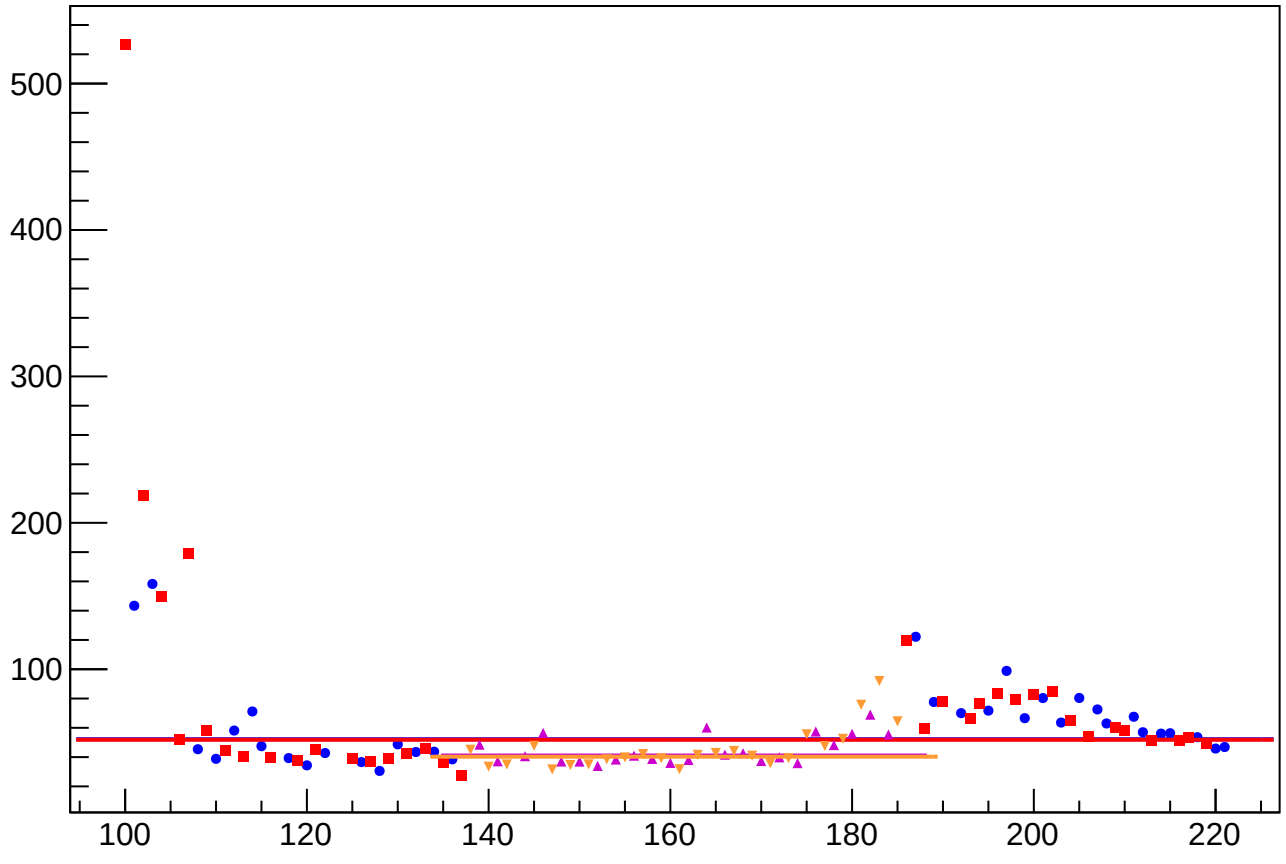
Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.004+/-0.006 χ^2/NDF: 128.7/115

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57



Right In: 52.200+/-0.009 χ^2/NDF: 3641704.4/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

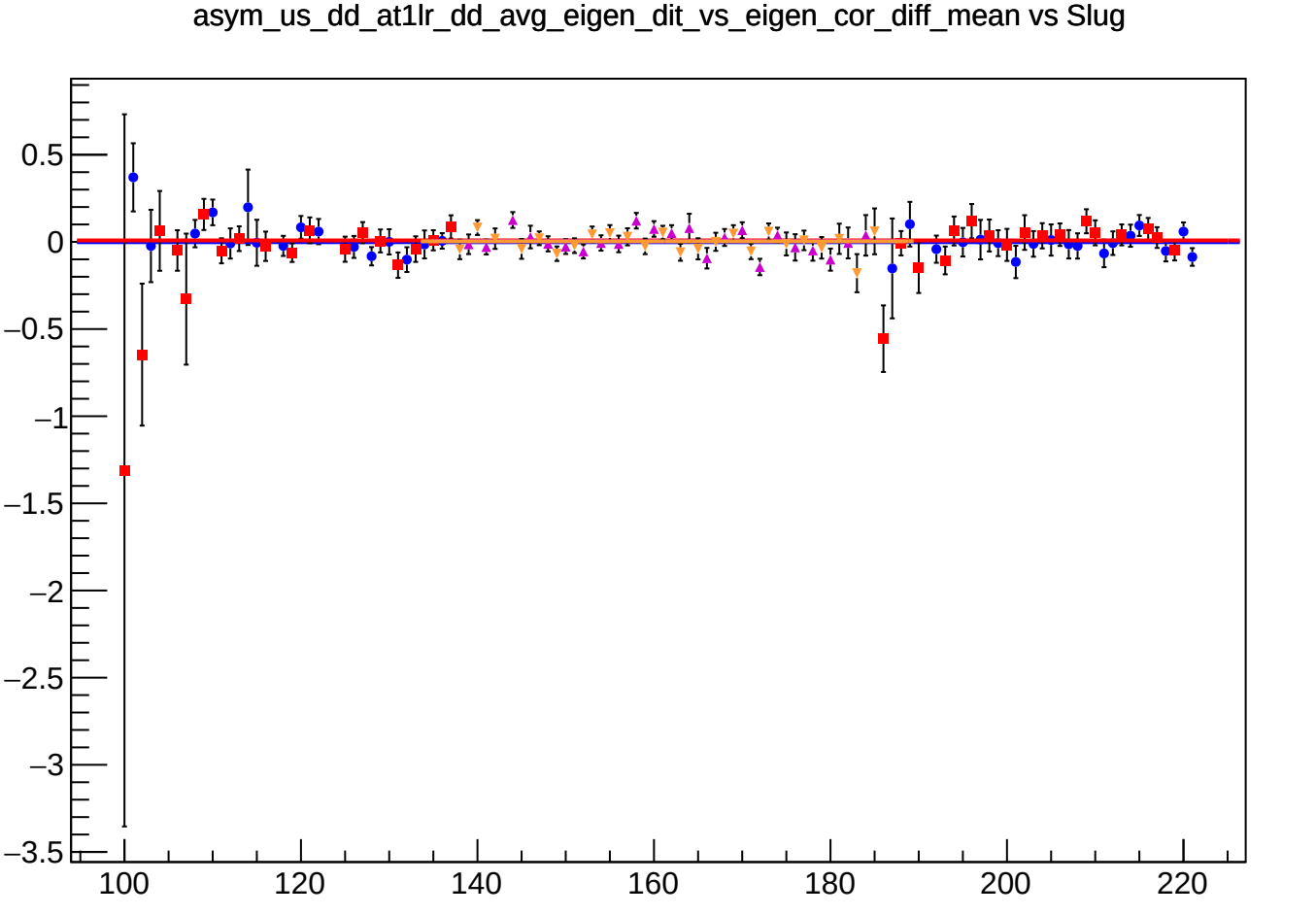
Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.110+/-0.006 χ^2/NDF: 6202594.9/57

All: 45.224+/-0.004 χ^2/NDF: 11532416.0/115

- sign 45.343+/-0.006 χ^2/NDF: 5328994.4/57



Right In: -0.002+/-0.013 χ^2/NDF: 28.6/33

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

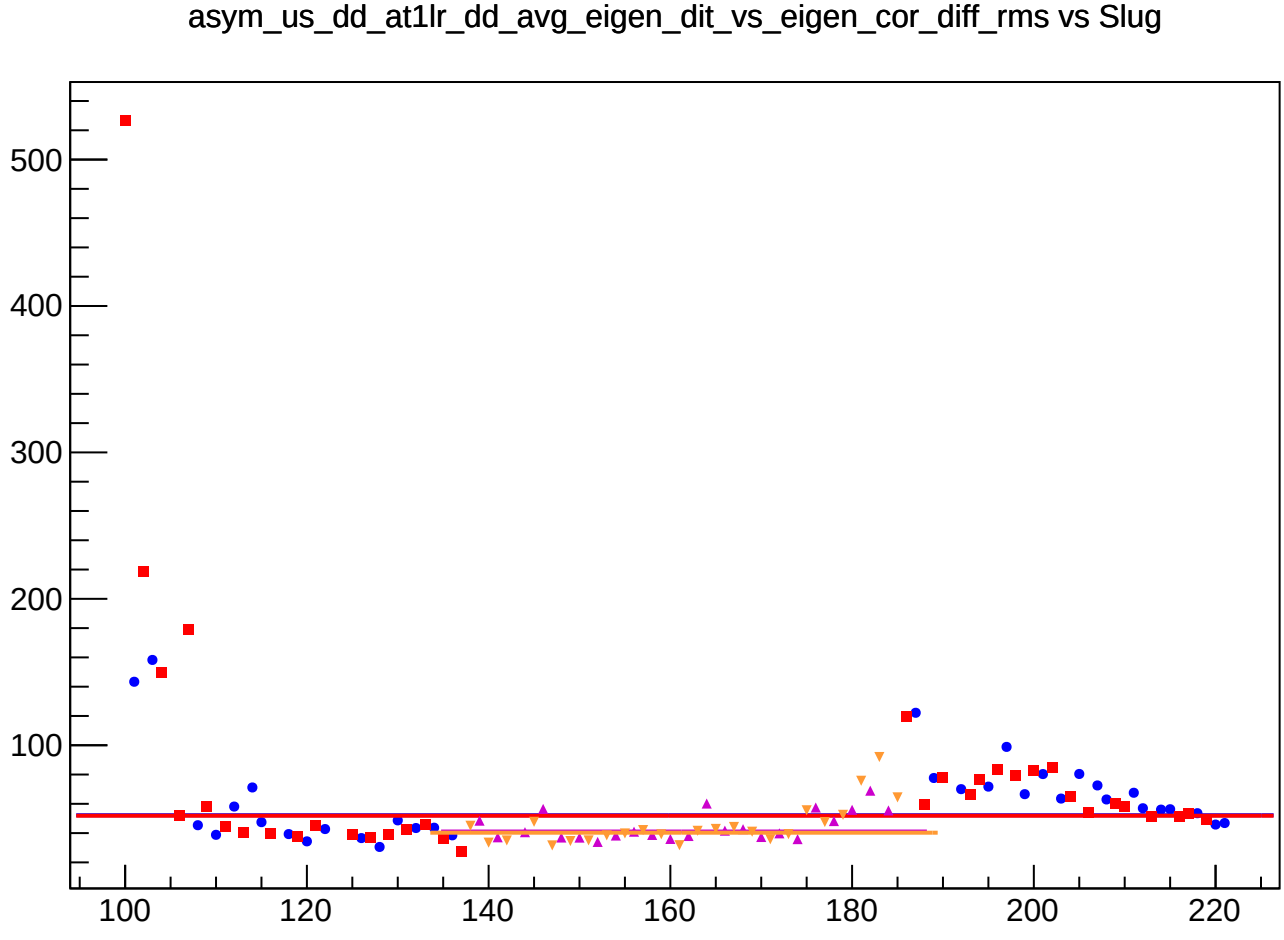
Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 50.6/57

All: 0.004+/-0.006 χ^2/NDF: 128.7/115

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57



Right In: 52.200+/-0.009 χ^2/NDF: 3641704.4/33

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

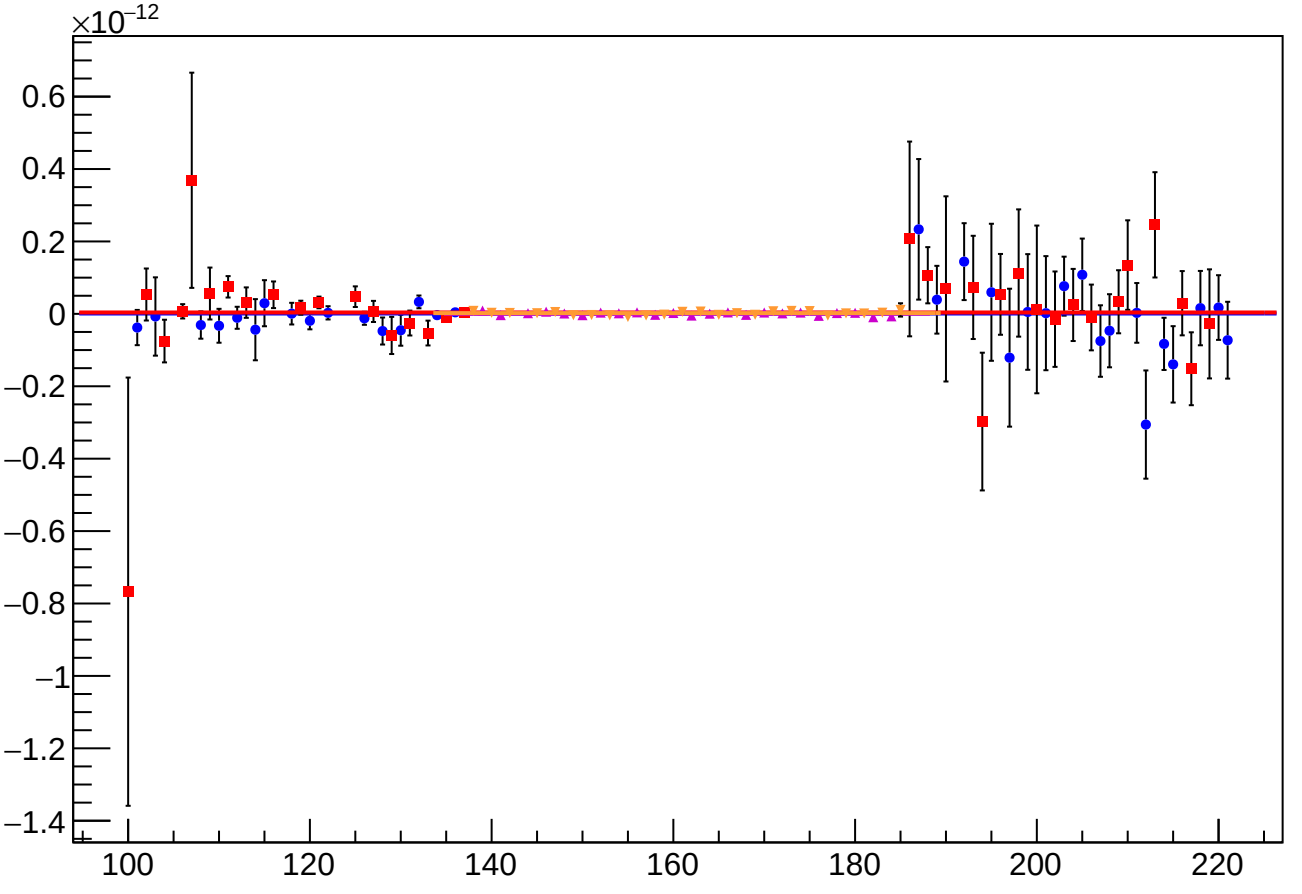
Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.110+/-0.006 χ^2/NDF: 6202594.9/57

All: 45.224+/-0.004 χ^2/NDF: 11532416.0/115

- sign 45.343+/-0.006 χ^2/NDF: 5328994.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

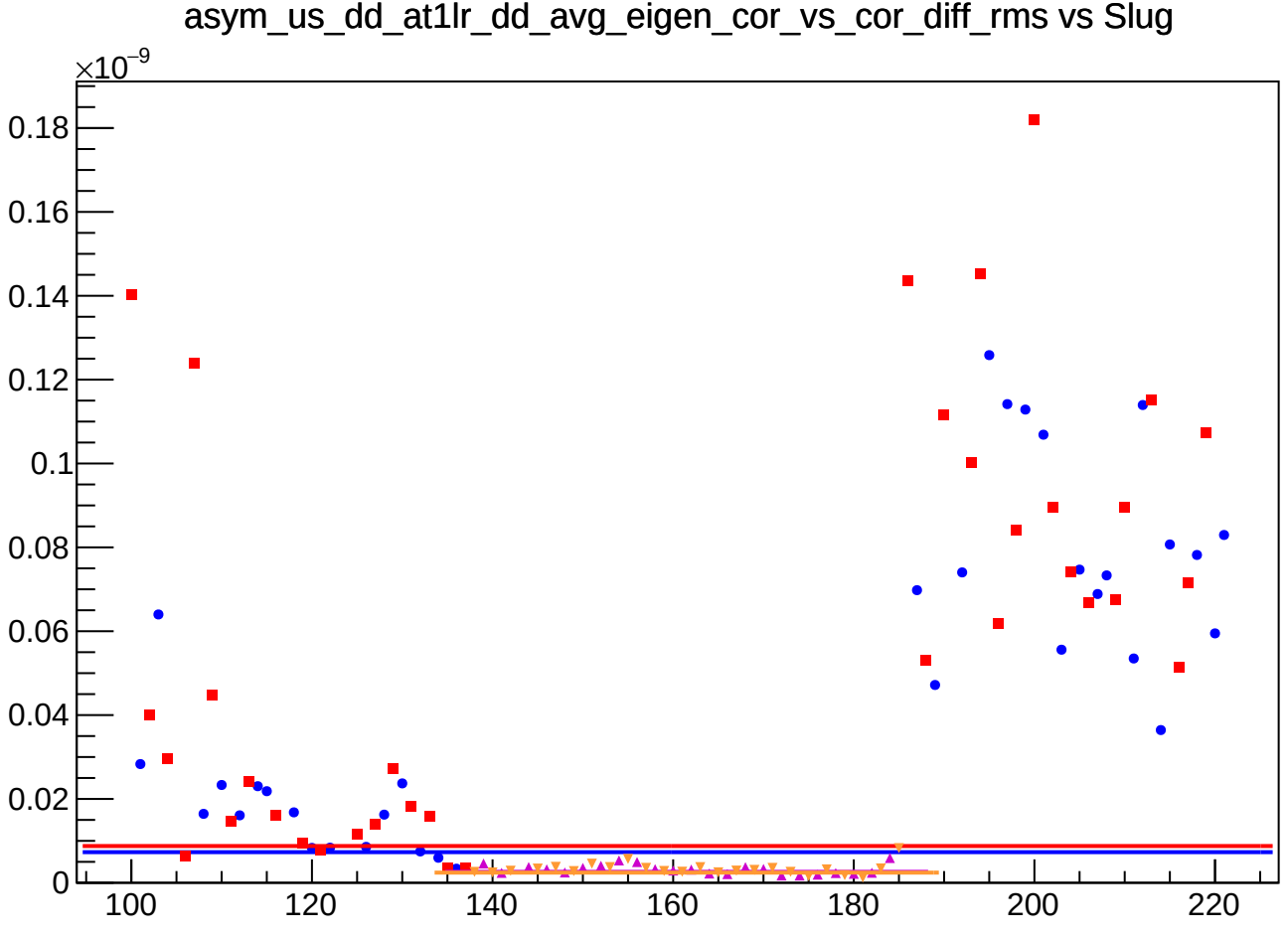
Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/34

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

\+ sign 0.000+/-0.000 χ^2/NDF: 50.4/57

All: 0.000+/-0.000 χ^2/NDF: 117.1/115

\- sign 0.000+/-0.000 χ^2/NDF: 64.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 16865988.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16726885.3/34

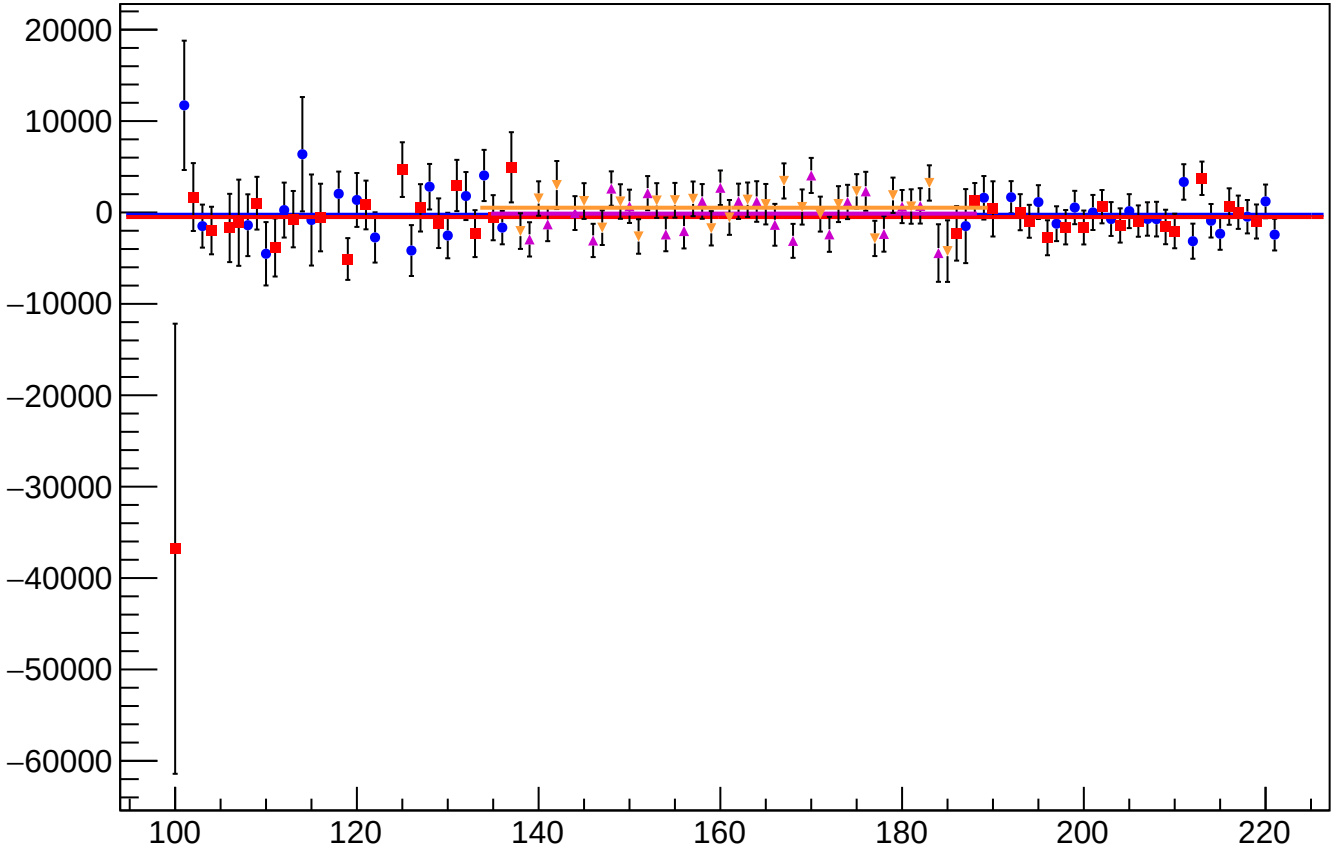
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 22701964.8/57

All: 0.000+/-0.000 χ^2/NDF: 44773987.6/115

- sign 0.000+/-0.000 χ^2/NDF: 22021677.2/57

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -249.294+/-379.817 χ^2/NDF: 28.4/33

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -503.291+/-391.568 χ^2/NDF: 27.1/34

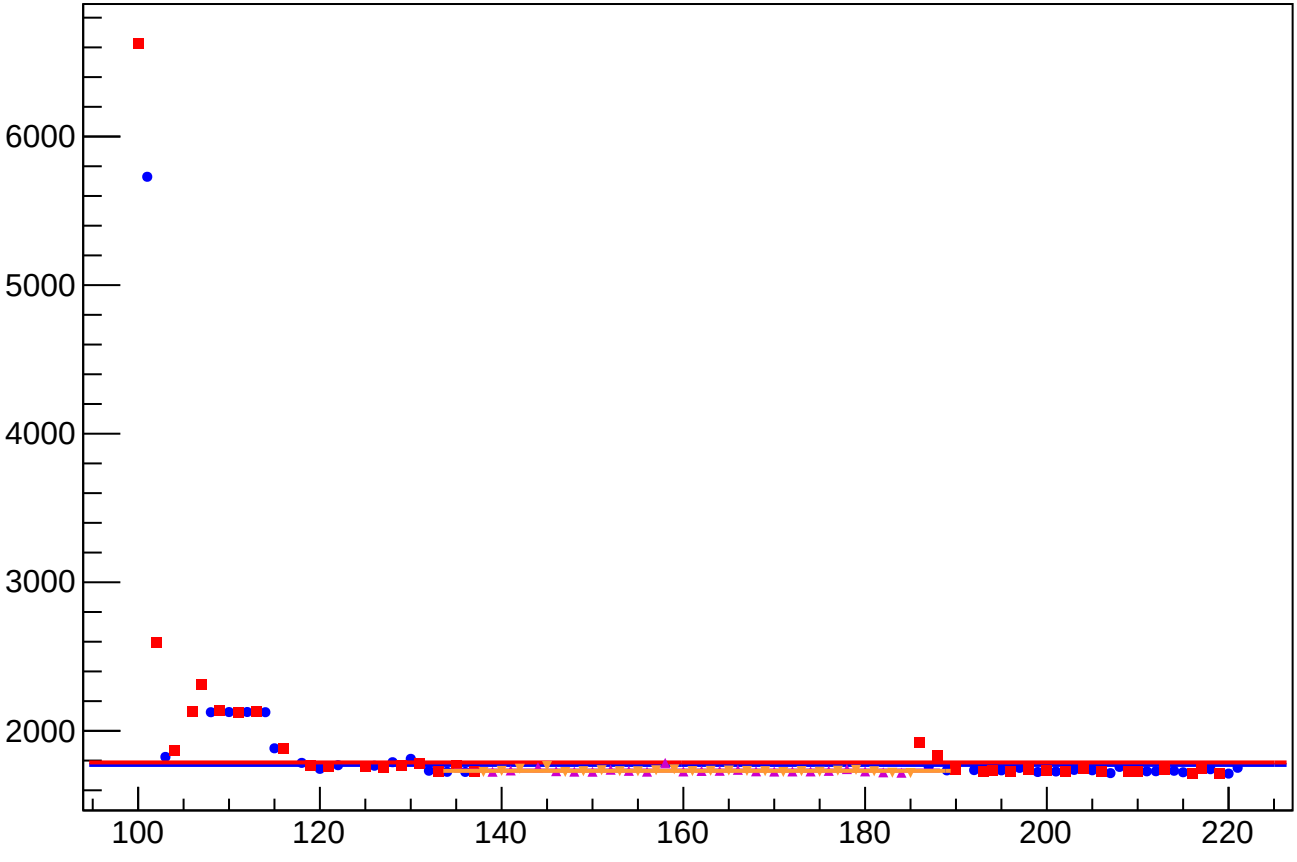
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 113.791+/-275.985 χ^2/NDF: 51.1/57

All: -99.318+/-197.032 χ^2/NDF: 109.4/115

- sign -320.848+/-281.385 χ^2/NDF: 57.0/57

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1770.789+/-0.269 χ^2/NDF: 724192.6/33

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

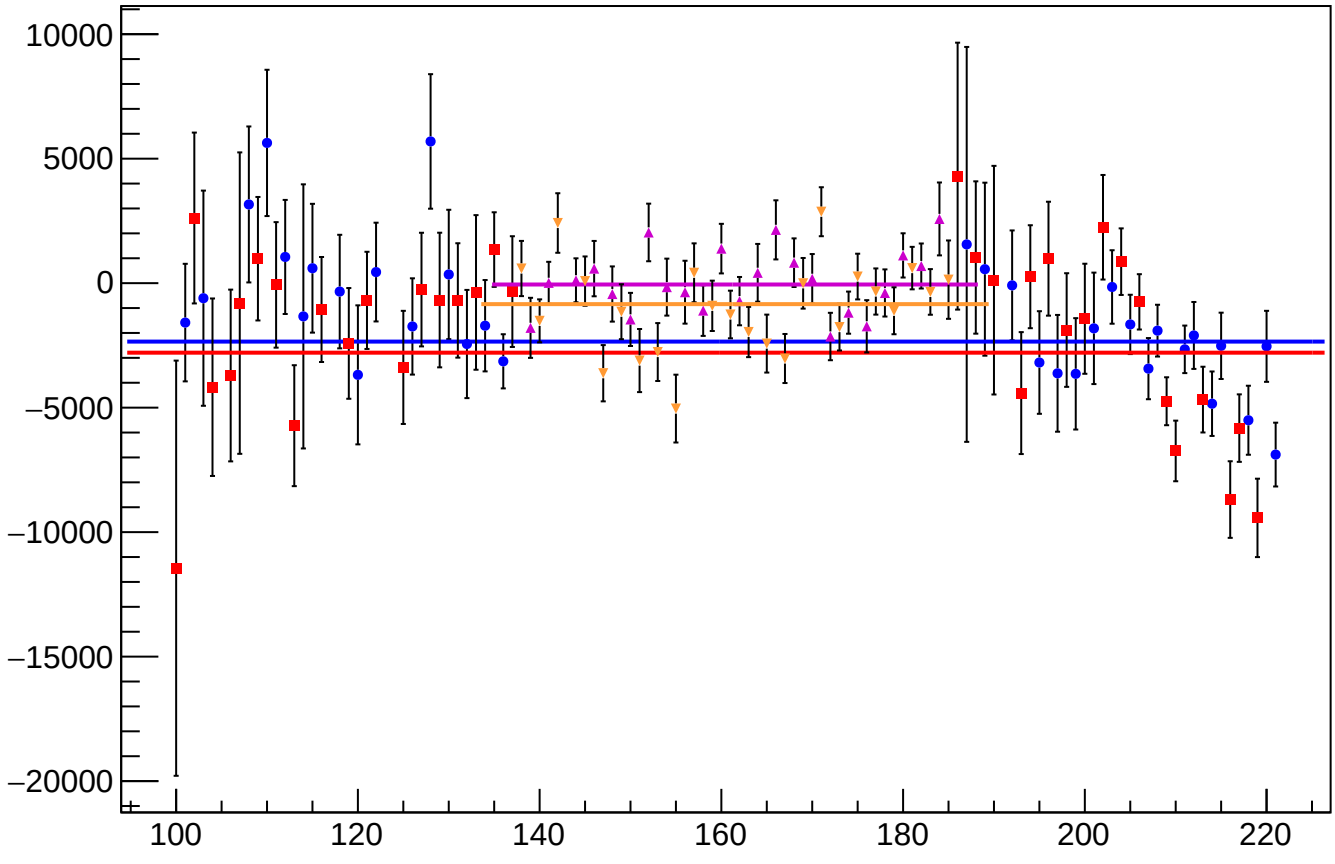
Right Out: 1787.509+/-0.277 χ^2/NDF: 327769.5/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.936+/-0.195 χ^2/NDF: 735602.1/57

All: 1756.455+/-0.139 χ^2/NDF: 1085441.0/11

- sign 1761.152+/-0.199 χ^2/NDF: 348745.2/57



Right In: -2346.851+/-293.443 χ^2/NDF: 55.9/33

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -2792.112+/-326.105 χ^2/NDF: 103.2/34

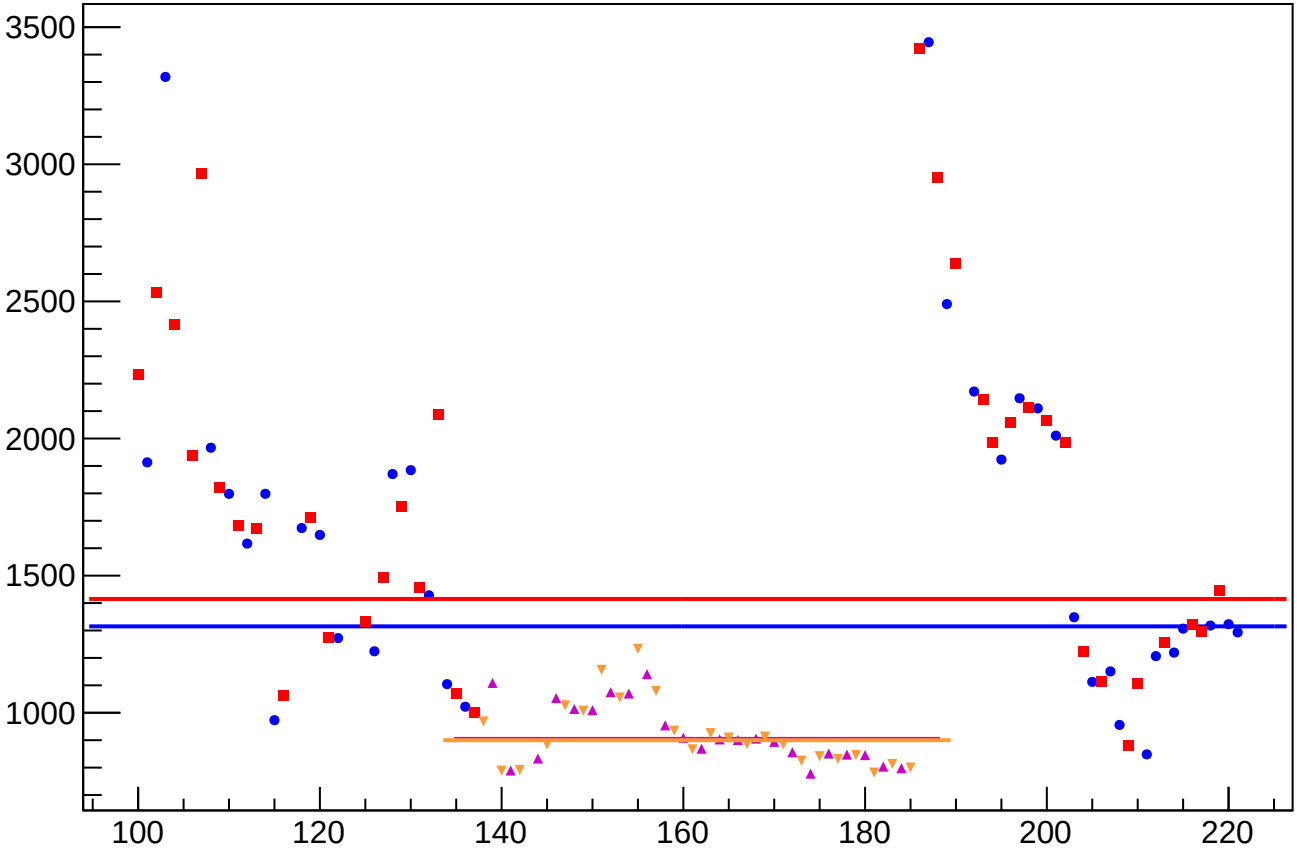
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -1354.696+/-171.232 χ^2/NDF: 135.9/57

All: -1123.391+/-123.506 χ^2/NDF: 323.0/115

- sign -872.567+/-178.310 χ^2/NDF: 183.3/57

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1315.050+/-0.207 χ^2/NDF: 3608585.9/33

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1414.969+/-0.231 χ^2/NDF: 3976970.6/34

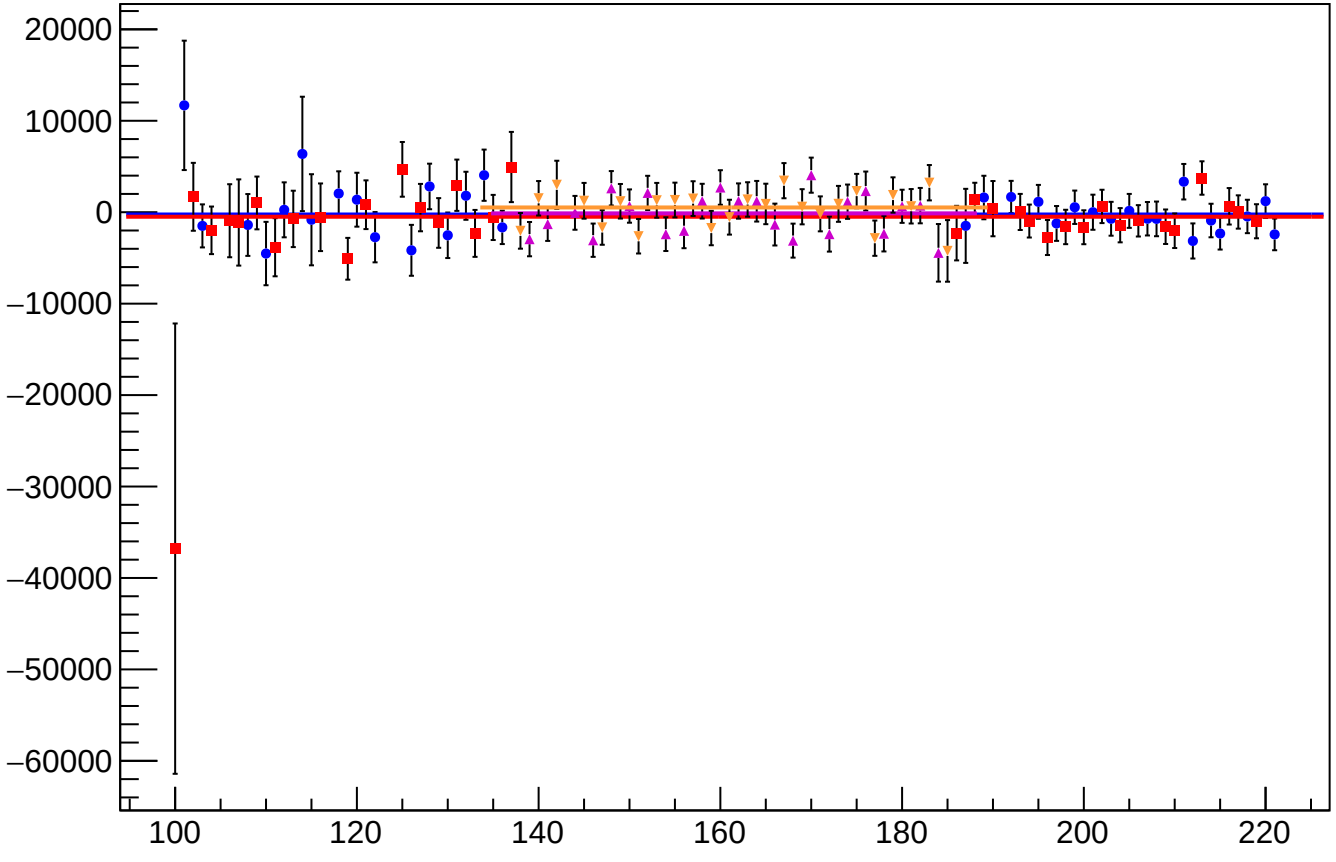
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1041.202+/-0.121 χ^2/NDF: 6745049.7/57

All: 1048.890+/-0.087 χ^2/NDF: 14616046.6/1

- sign 1057.228+/-0.126 χ^2/NDF: 7862591.8/57

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -249.584+/-379.817 χ^2/NDF: 28.4/33

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -494.409+/-391.838 χ^2/NDF: 27.0/34

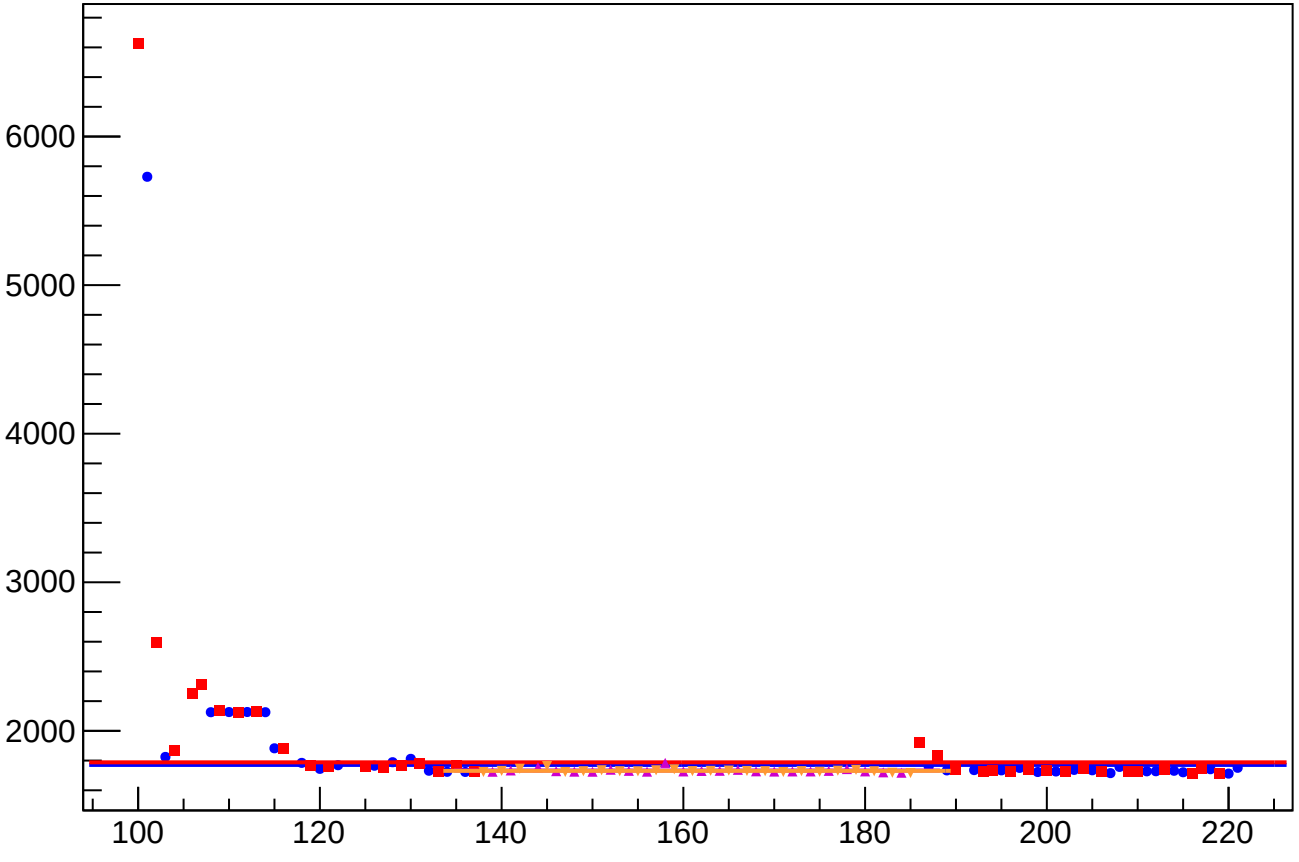
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 113.651+/-275.985 χ^2/NDF: 51.1/57

All: -97.017+/-197.067 χ^2/NDF: 109.2/115

- sign -316.164+/-281.485 χ^2/NDF: 56.9/57

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1770.789+/-0.269 χ^2/NDF: 724192.5/33

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

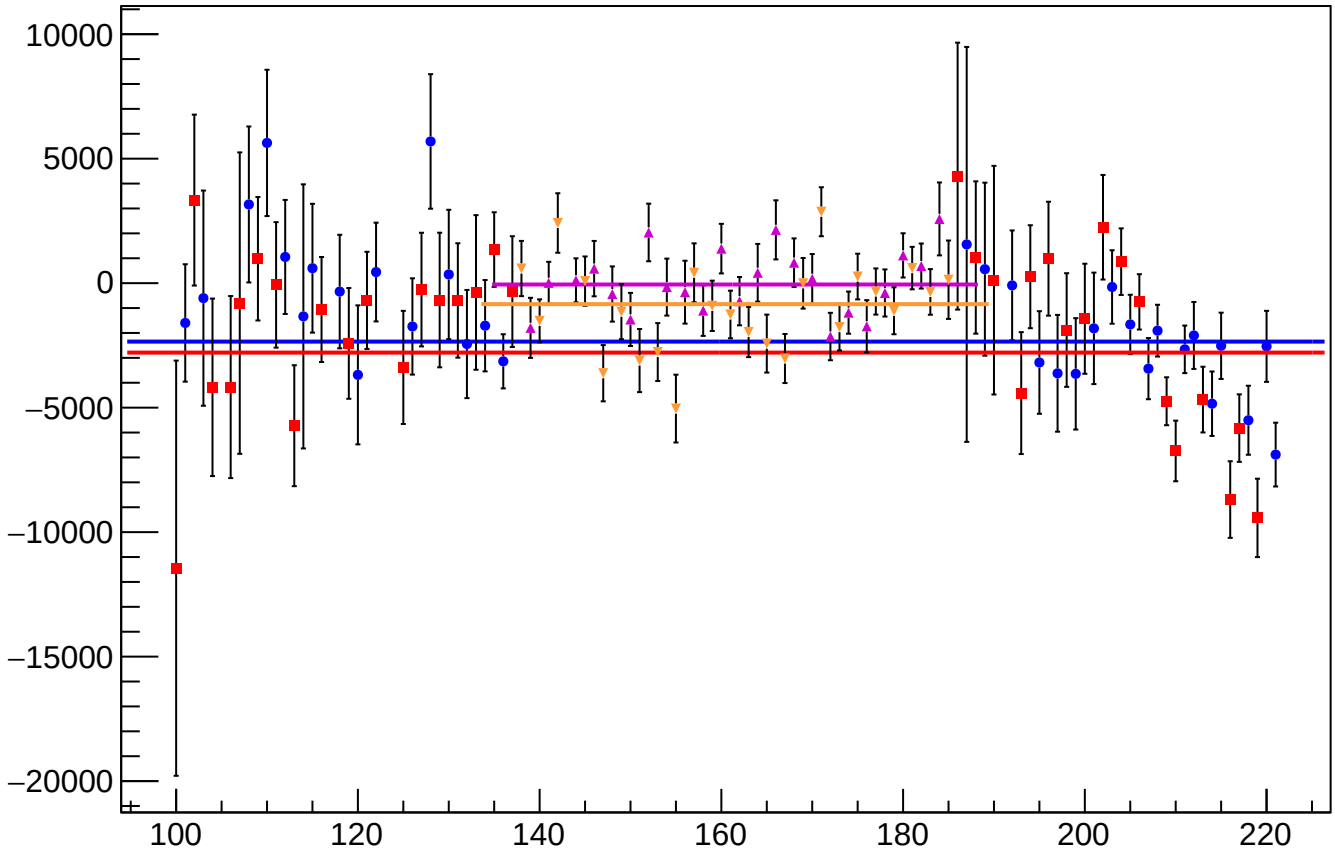
Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.936+/-0.195 χ^2/NDF: 735602.0/57

All: 1756.608+/-0.139 χ^2/NDF: 1095608.6/11

- sign 1761.468+/-0.199 χ^2/NDF: 358837.3/57



Right In: -2347.034+/-293.436 χ^2/NDF: 55.9/33

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -2788.440+/-326.264 χ^2/NDF: 104.0/34

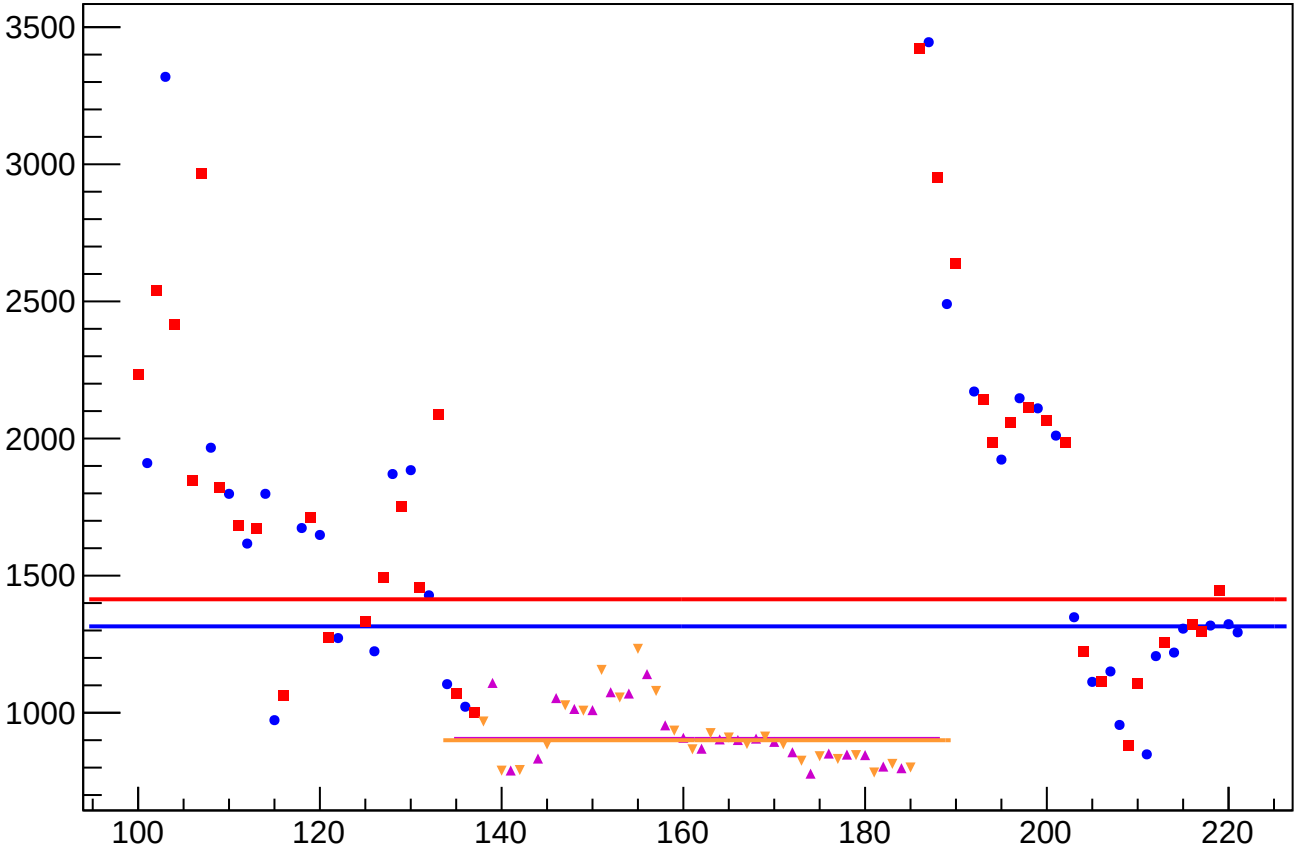
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1354.799+/-171.231 χ^2/NDF: 136.0/57

All: -1122.692+/-123.514 χ^2/NDF: 323.7/115

- sign -870.922+/-178.336 χ^2/NDF: 183.9/57

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1315.031+/-0.207 χ^2/NDF: 3607908.2/33

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

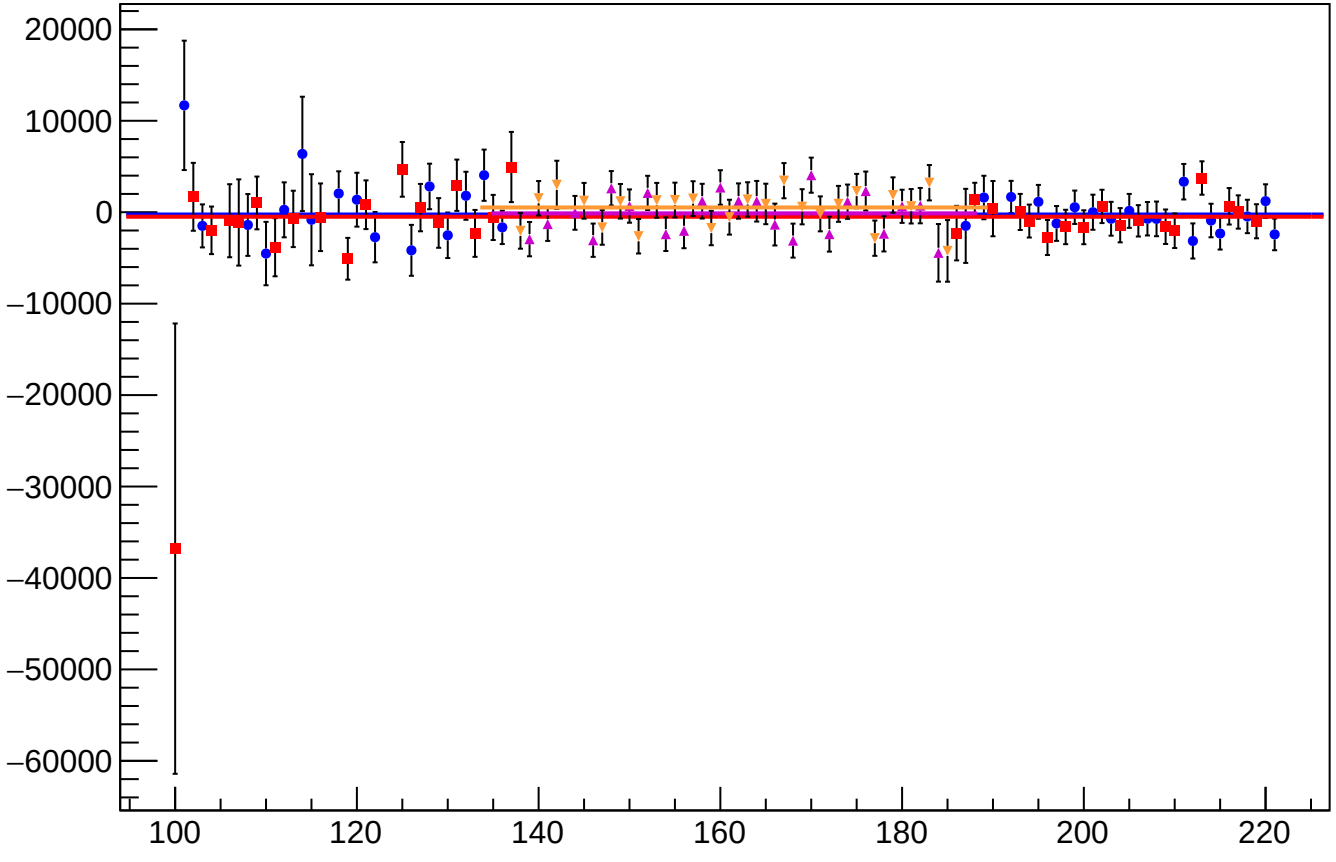
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1041.202+/-0.121 χ^2/NDF: 6744116.3/57

All: 1048.662+/-0.087 χ^2/NDF: 14579538.0/1

- sign 1056.755+/-0.126 χ^2/NDF: 7827506.8/57

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -249.584+/-379.817 χ^2/NDF: 28.4/33

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -494.409+/-391.838 χ^2/NDF: 27.0/34

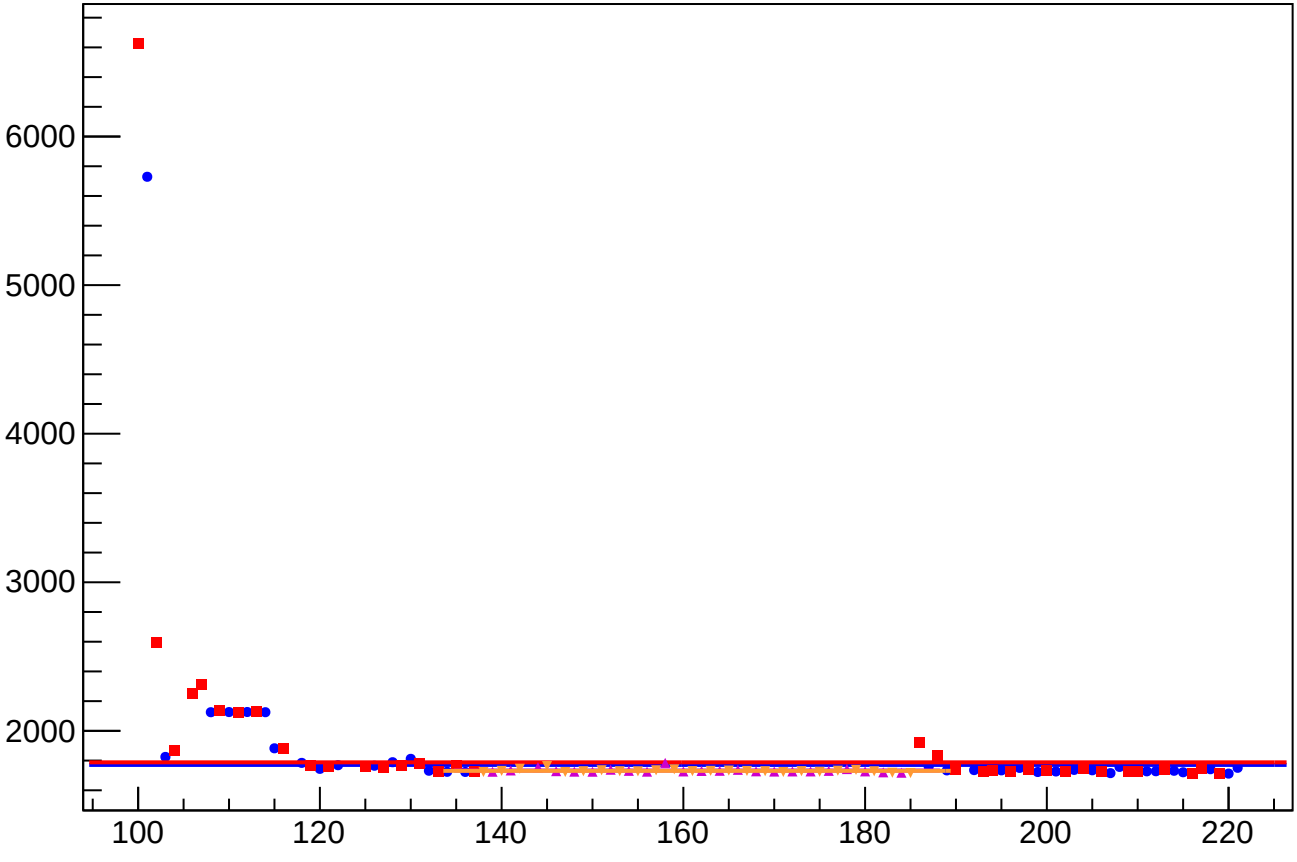
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 113.651+/-275.985 χ^2/NDF: 51.1/57

All: -97.017+/-197.067 χ^2/NDF: 109.2/115

- sign -316.164+/-281.485 χ^2/NDF: 56.9/57

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1770.789+/-0.269 χ^2/NDF: 724192.5/33

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

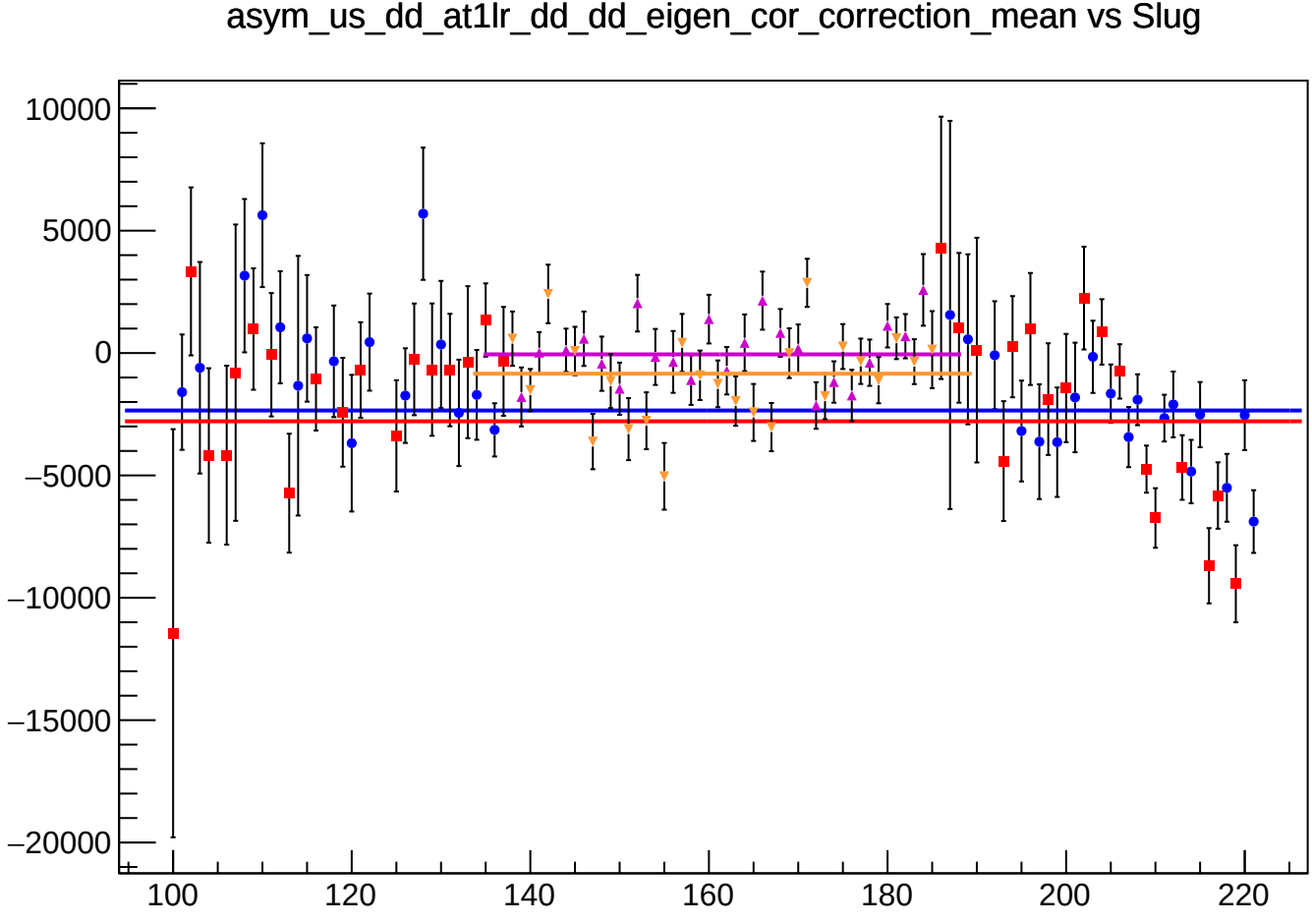
Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.936+/-0.195 χ^2/NDF: 735602.0/57

All: 1756.608+/-0.139 χ^2/NDF: 1095608.6/11

- sign 1761.468+/-0.199 χ^2/NDF: 358837.3/57



Right In: -2347.034+/-293.436 χ^2/NDF: 55.9/33

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

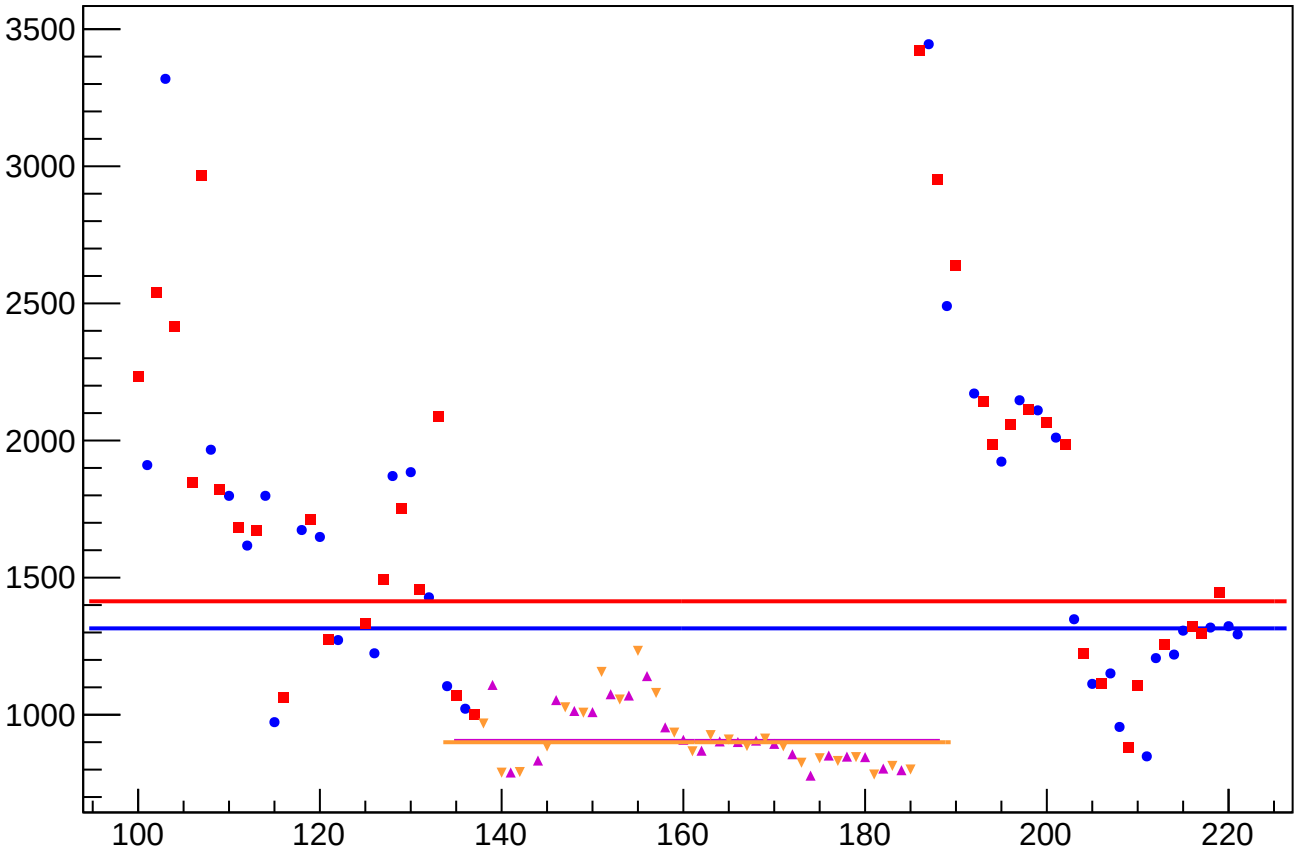
Right Out: -2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1354.799+/-171.231 χ^2/NDF: 136.0/57

All: -1122.692+/-123.514 χ^2/NDF: 323.7/115

- sign -870.922+/-178.336 χ^2/NDF: 183.9/57



Right In: 1315.031+/-0.207 χ^2/NDF: 3607908.2/33

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

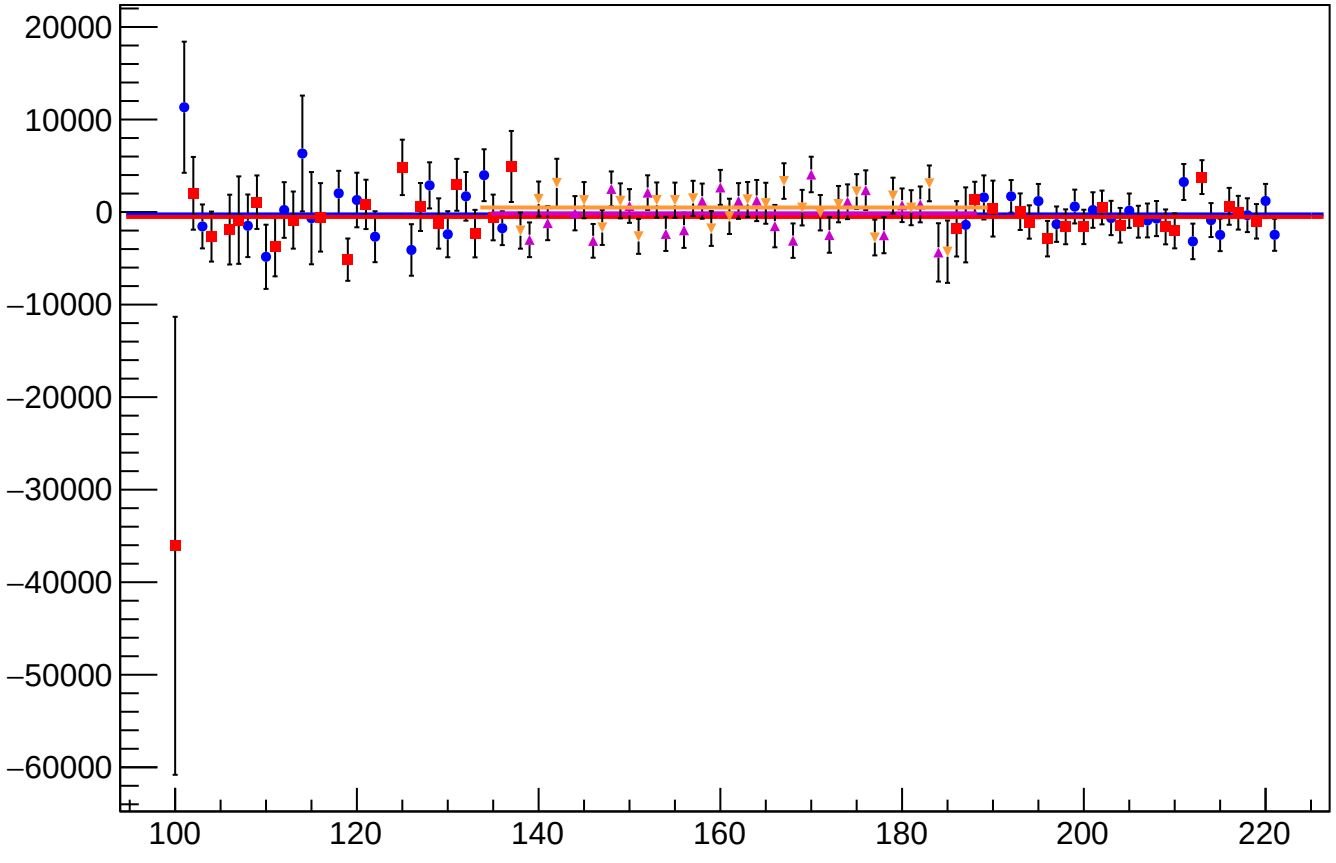
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1041.202+/-0.121 χ^2/NDF: 6744116.3/57

All: 1048.662+/-0.087 χ^2/NDF: 14579538.0/1

- sign 1056.755+/-0.126 χ^2/NDF: 7827506.8/57

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -255.206+/-380.170 χ^2/NDF: 28.5/33

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -526.975+/-392.552 χ^2/NDF: 27.7/34

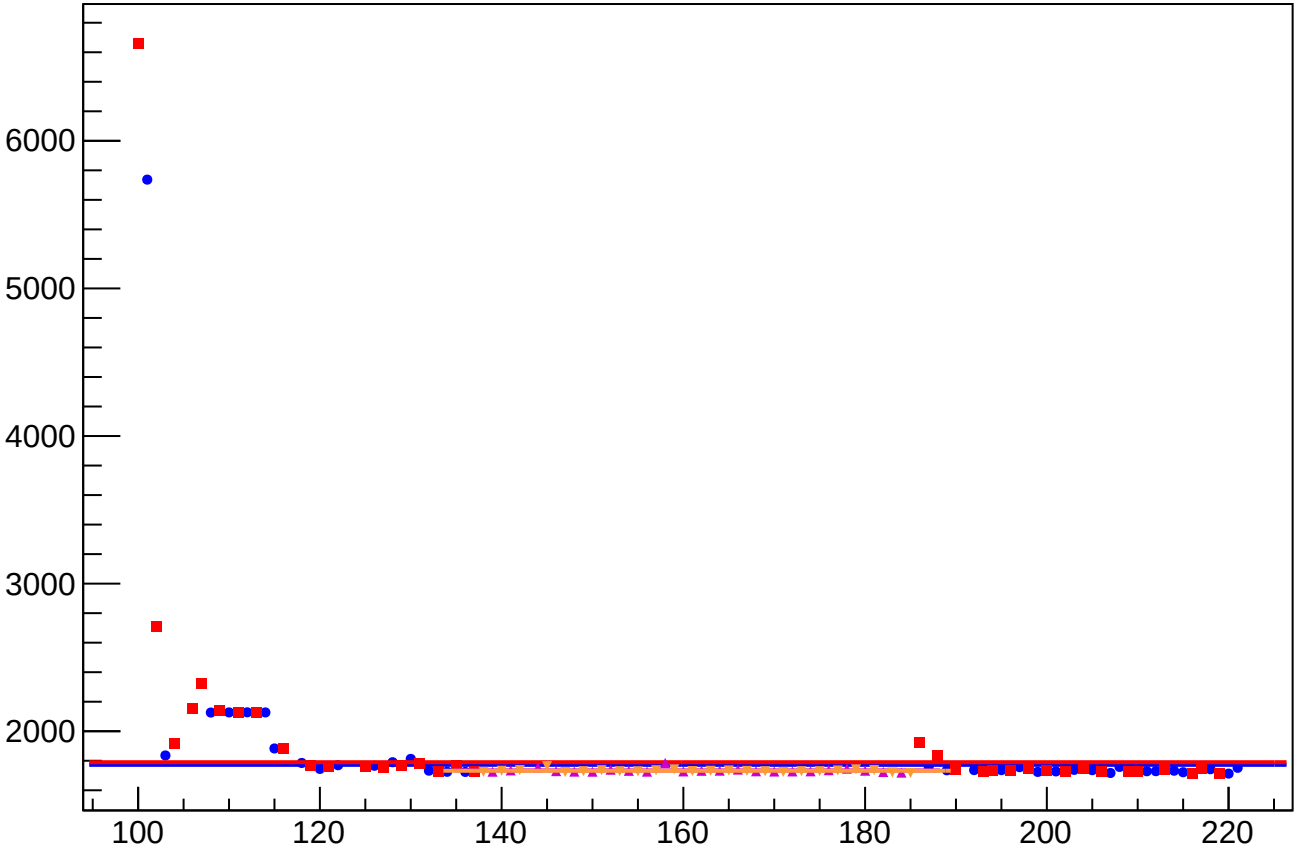
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 98.862+/-276.238 χ^2/NDF: 50.4/57

All: -115.232+/-197.292 χ^2/NDF: 109.3/115

- sign -338.149+/-281.872 χ^2/NDF: 57.7/57

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1772.331+/-0.269 χ^2/NDF: 724812.8/33

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

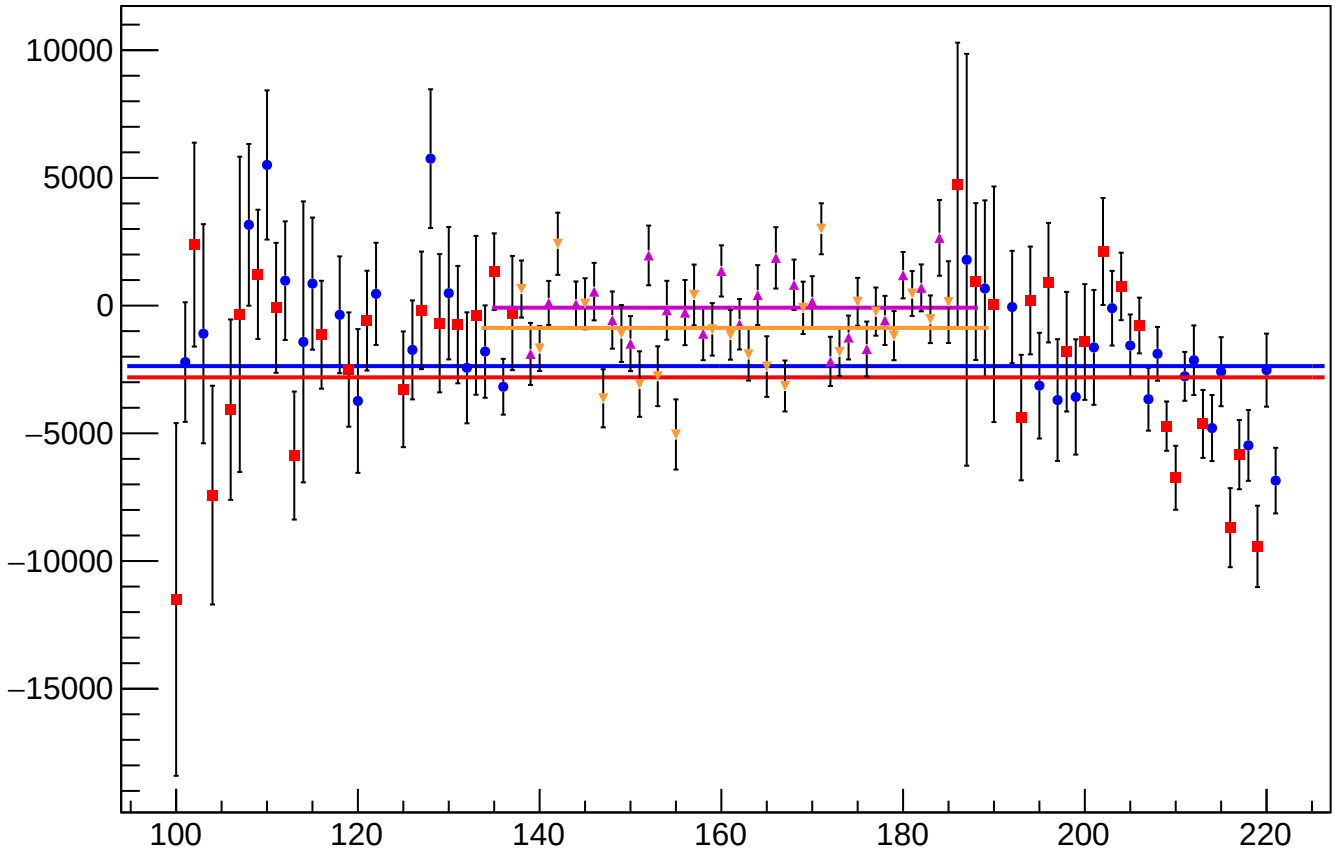
Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.3/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1753.477+/-0.195 χ^2/NDF: 736144.8/57

All: 1758.267+/-0.140 χ^2/NDF: 1107524.1/11

- sign 1763.254+/-0.199 χ^2/NDF: 370152.2/57



Right In: -2368.922+/-294.873 χ^2/NDF: 56.1/33

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

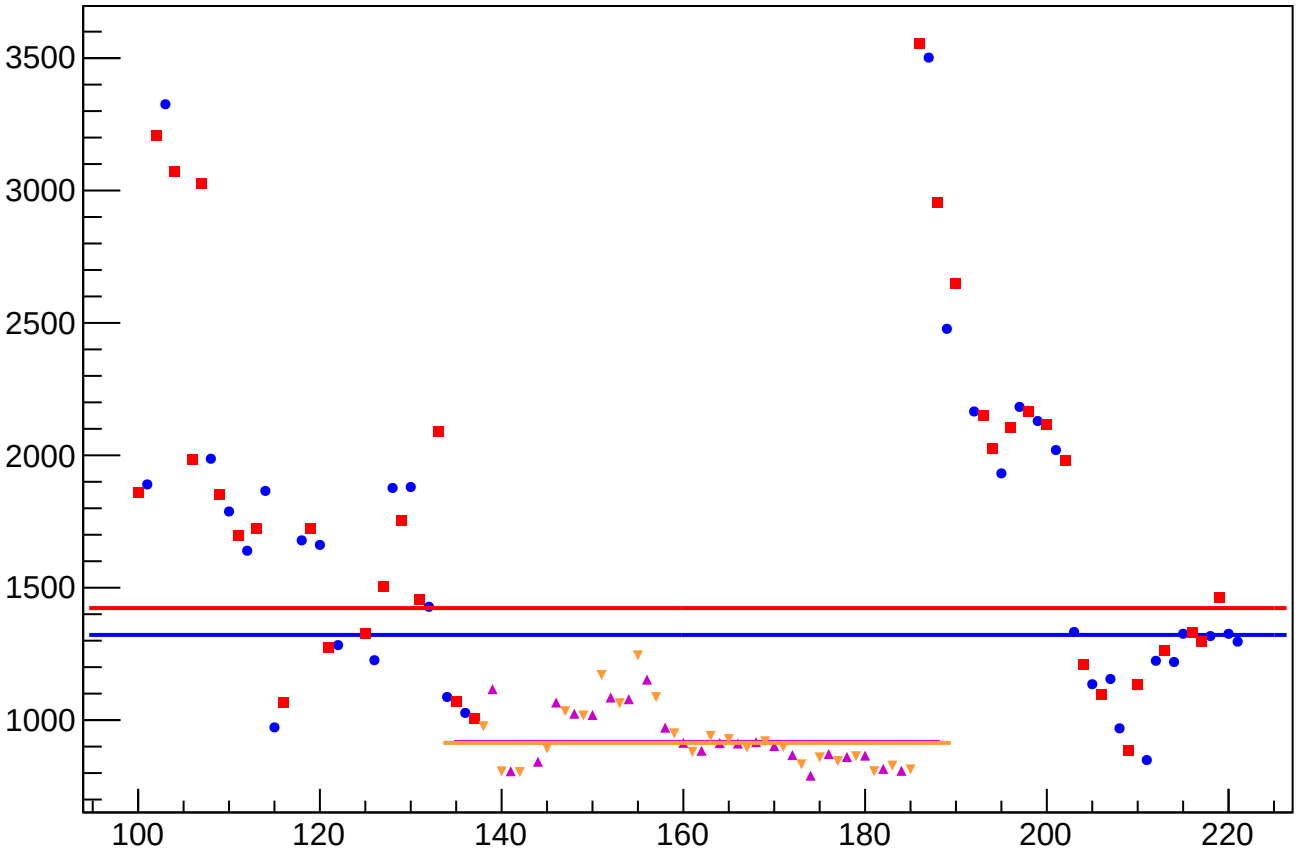
Right Out: -2808.970+/-328.536 χ^2/NDF: 101.9/34

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -1388.989+/-173.200 χ^2/NDF: 134.9/57

All: -1156.512+/-124.950 χ^2/NDF: 318.7/115

- sign -904.206+/-180.435 χ^2/NDF: 180.0/57



Right In: 1321.727+/-0.209 χ^2/NDF: 3599536.5/33

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1423.085+/-0.232 χ^2/NDF: 4399501.0/34

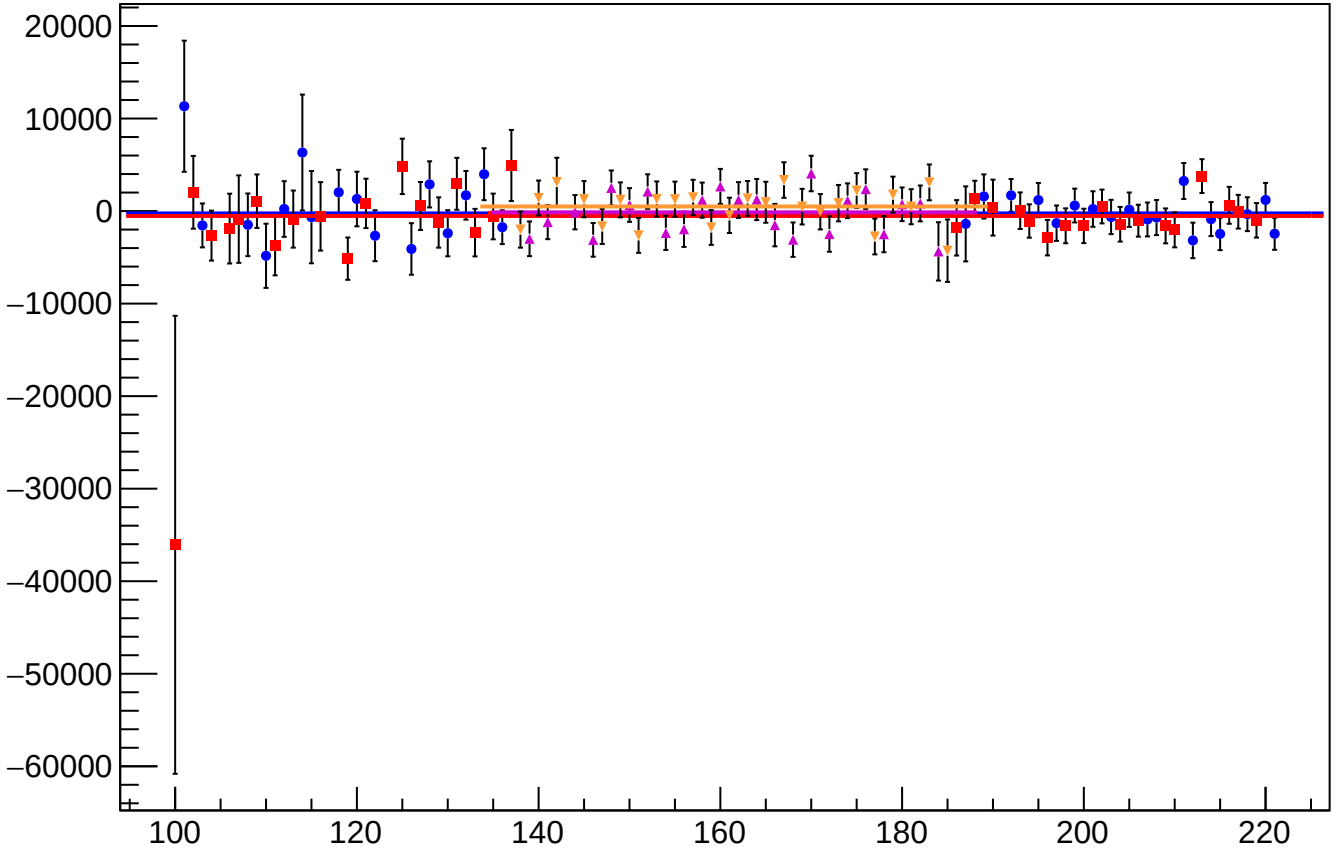
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1054.602+/-0.122 χ^2/NDF: 6568221.9/57

All: 1062.045+/-0.088 χ^2/NDF: 14711429.6/1

- sign 1070.122+/-0.128 χ^2/NDF: 8135506.2/57

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -255.203+/-380.170 χ^2/NDF: 28.5/33

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -526.970+/-392.552 χ^2/NDF: 27.7/34

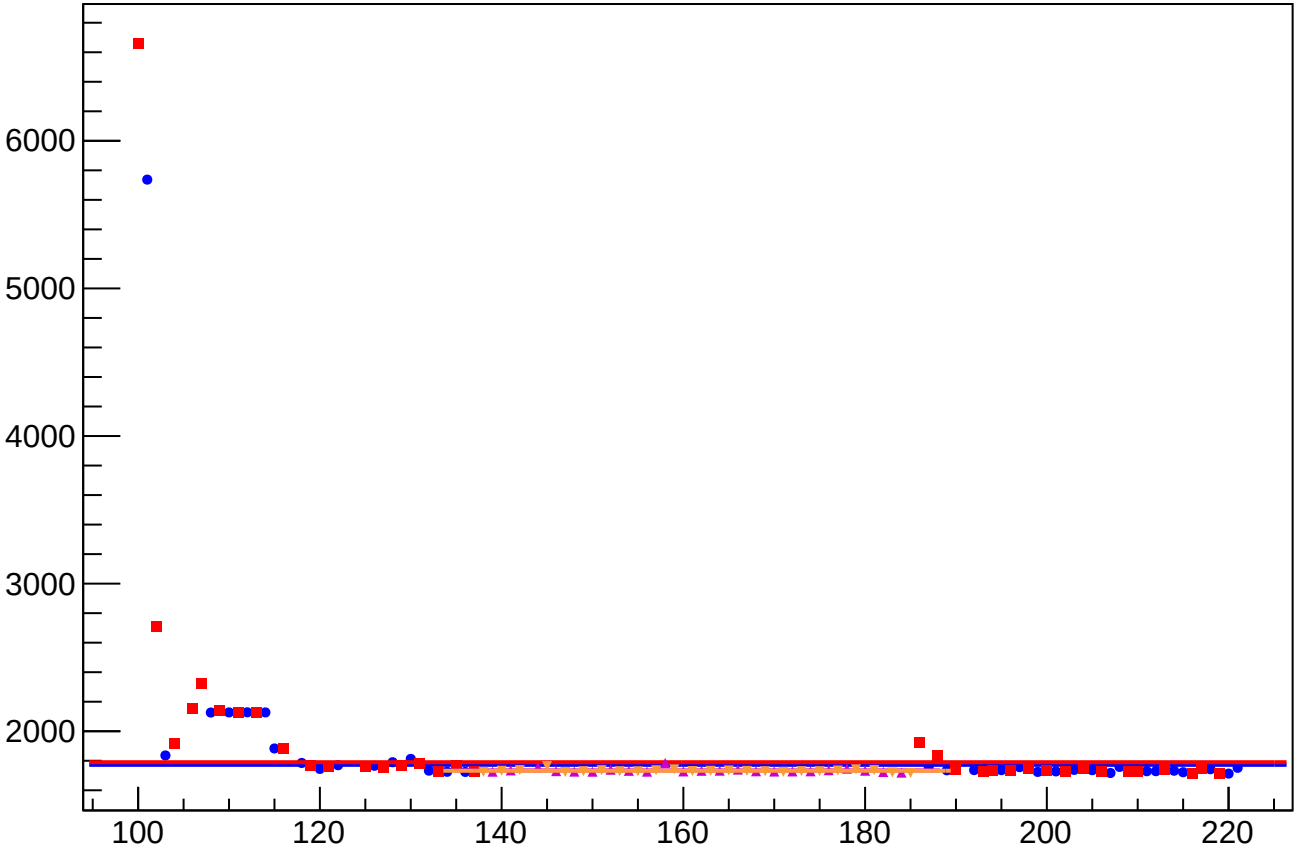
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 98.864+/-276.238 χ^2/NDF: 50.4/57

All: -115.230+/-197.292 χ^2/NDF: 109.3/115

- sign -338.146+/-281.872 χ^2/NDF: 57.7/57

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1772.331+/-0.269 χ^2/NDF: 724812.8/33

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

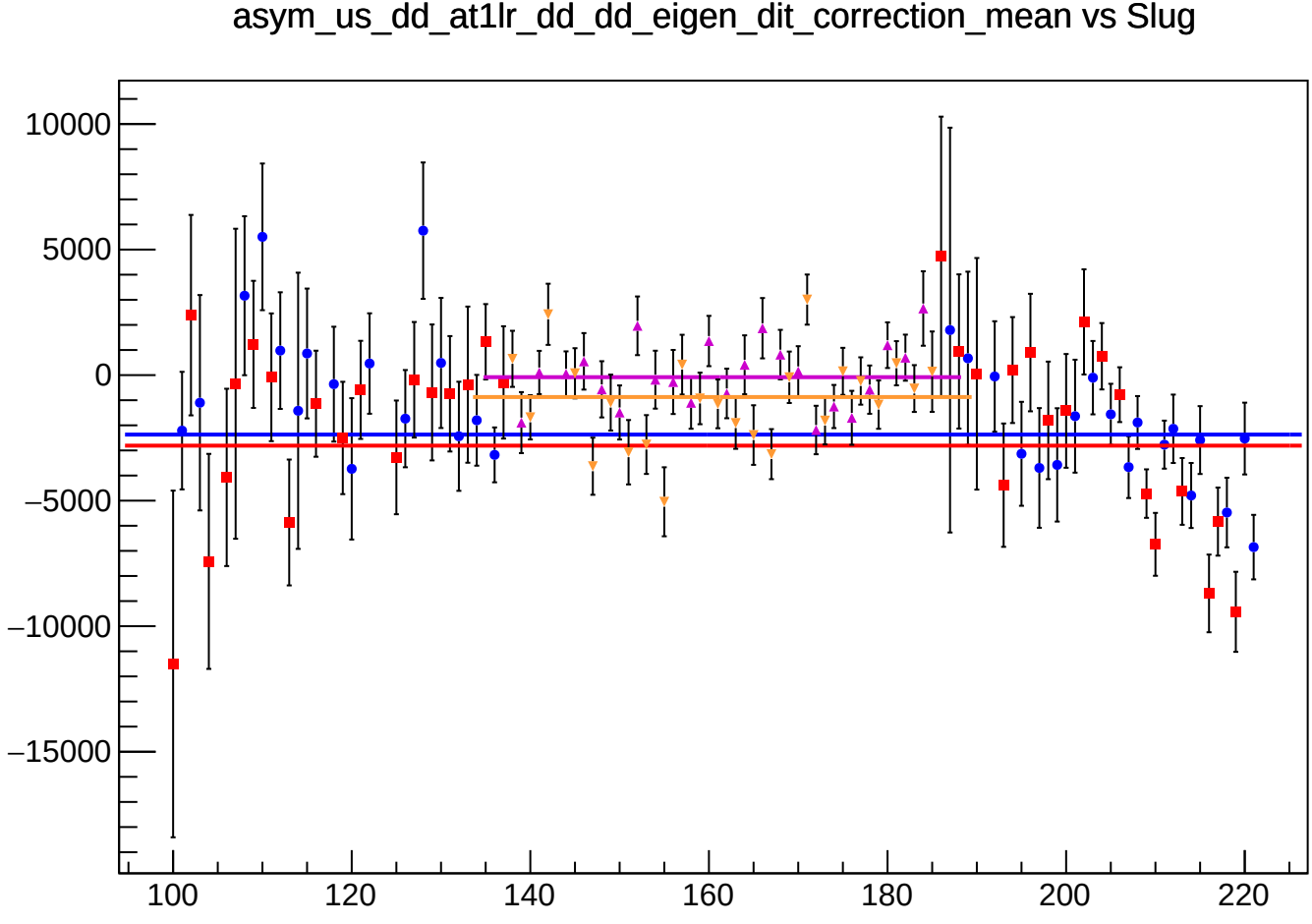
Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.0/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1753.477+/-0.195 χ^2/NDF: 736144.7/57

All: 1758.267+/-0.140 χ^2/NDF: 1107523.8/11

- sign 1763.254+/-0.199 χ^2/NDF: 370151.9/57



Right In: -2368.917+/-294.872 χ^2/NDF: 56.1/33

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

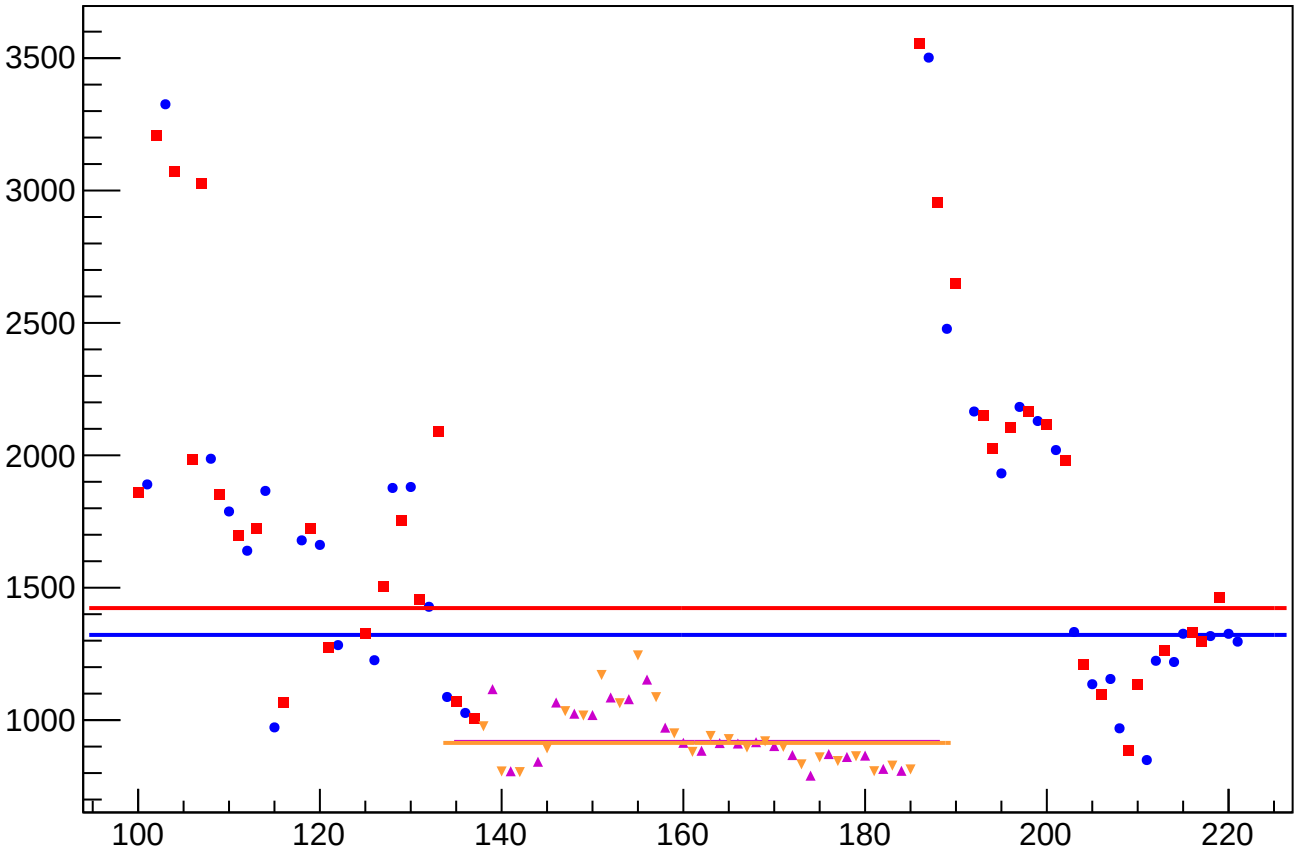
Right Out: -2808.971+/-328.535 χ^2/NDF: 101.9/34

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1388.988+/-173.200 χ^2/NDF: 134.9/57

All: -1156.512+/-124.950 χ^2/NDF: 318.7/115

- sign -904.208+/-180.435 χ^2/NDF: 180.0/57



Right In: 1321.725+/-0.209 χ^2/NDF: 3599531.0/33

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

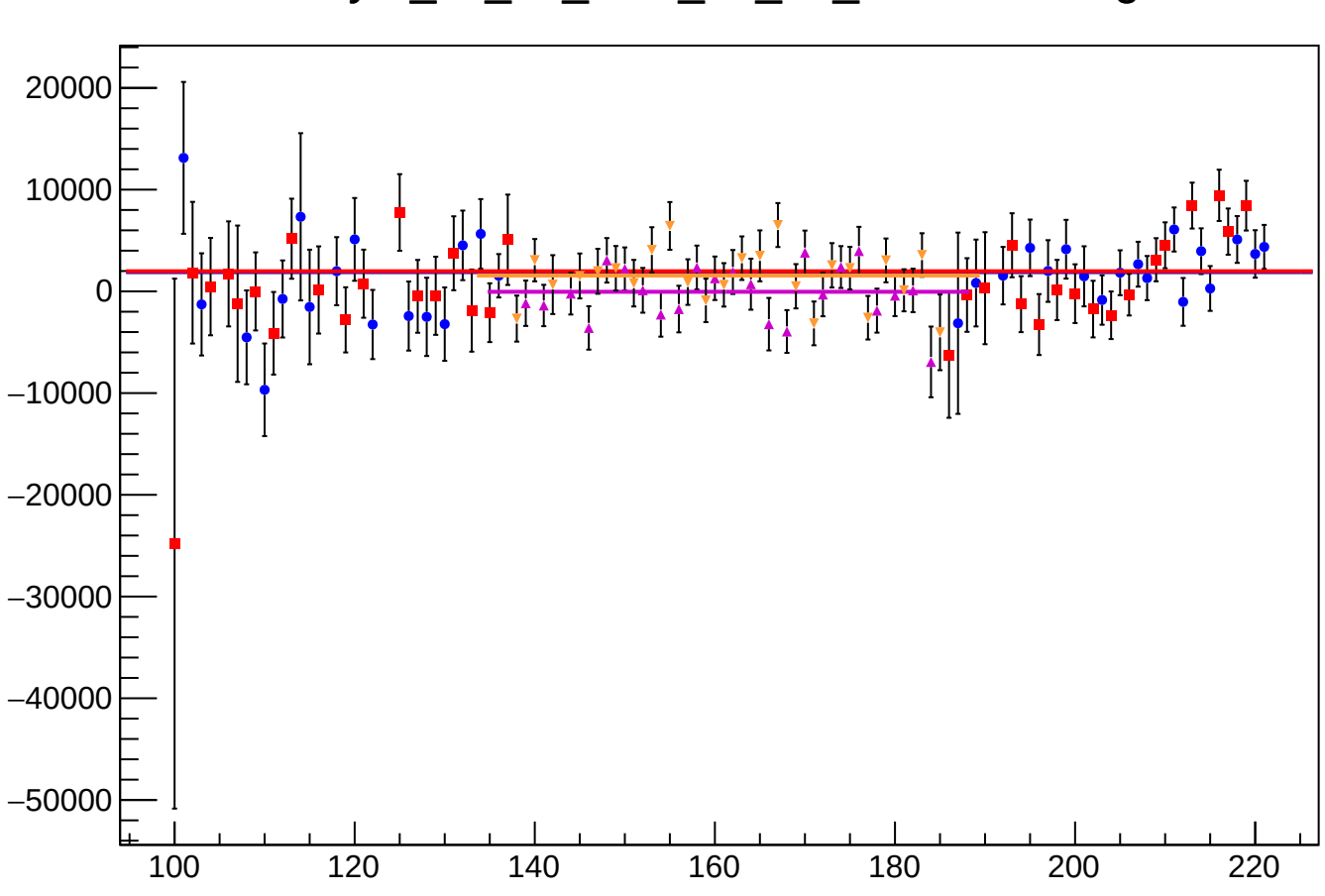
Right Out: 1423.082+/-0.232 χ^2/NDF: 4399517.5/34

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1054.601+/-0.122 χ^2/NDF: 6568215.0/57

All: 1062.044+/-0.088 χ^2/NDF: 14711426.6/1

- sign 1070.121+/-0.128 χ^2/NDF: 8135510.4/57



Right In: 1893.852+/-501.977 χ^2/NDF: 35.8/33

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 1978.321+/-536.293 χ^2/NDF: 57.1/34

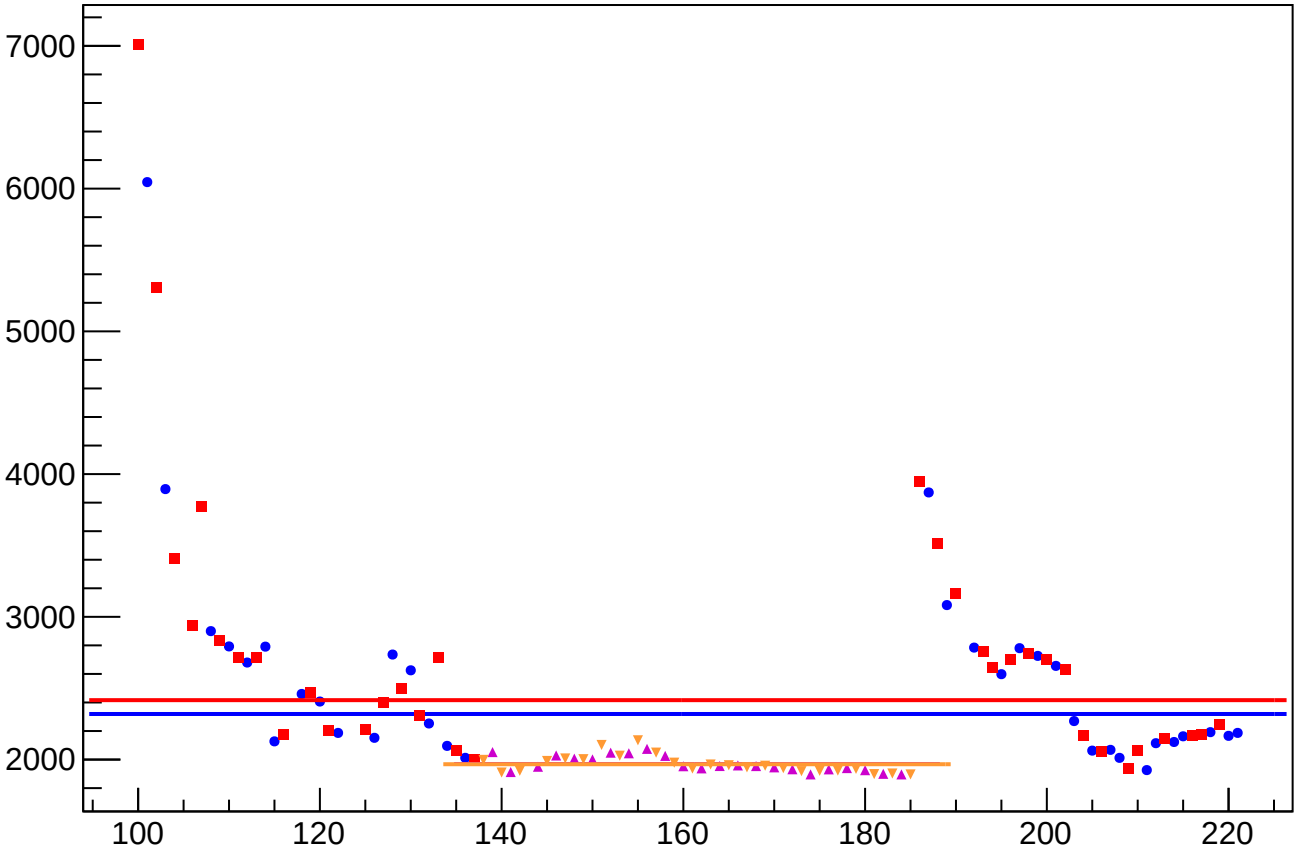
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1712.002+/-337.885 χ^2/NDF: 67.2/57

All: 1278.388+/-242.798 χ^2/NDF: 163.7/115

- sign 815.438+/-349.128 χ^2/NDF: 93.1/57

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2319.328+/-0.355 χ^2/NDF: 1409709.7/33

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

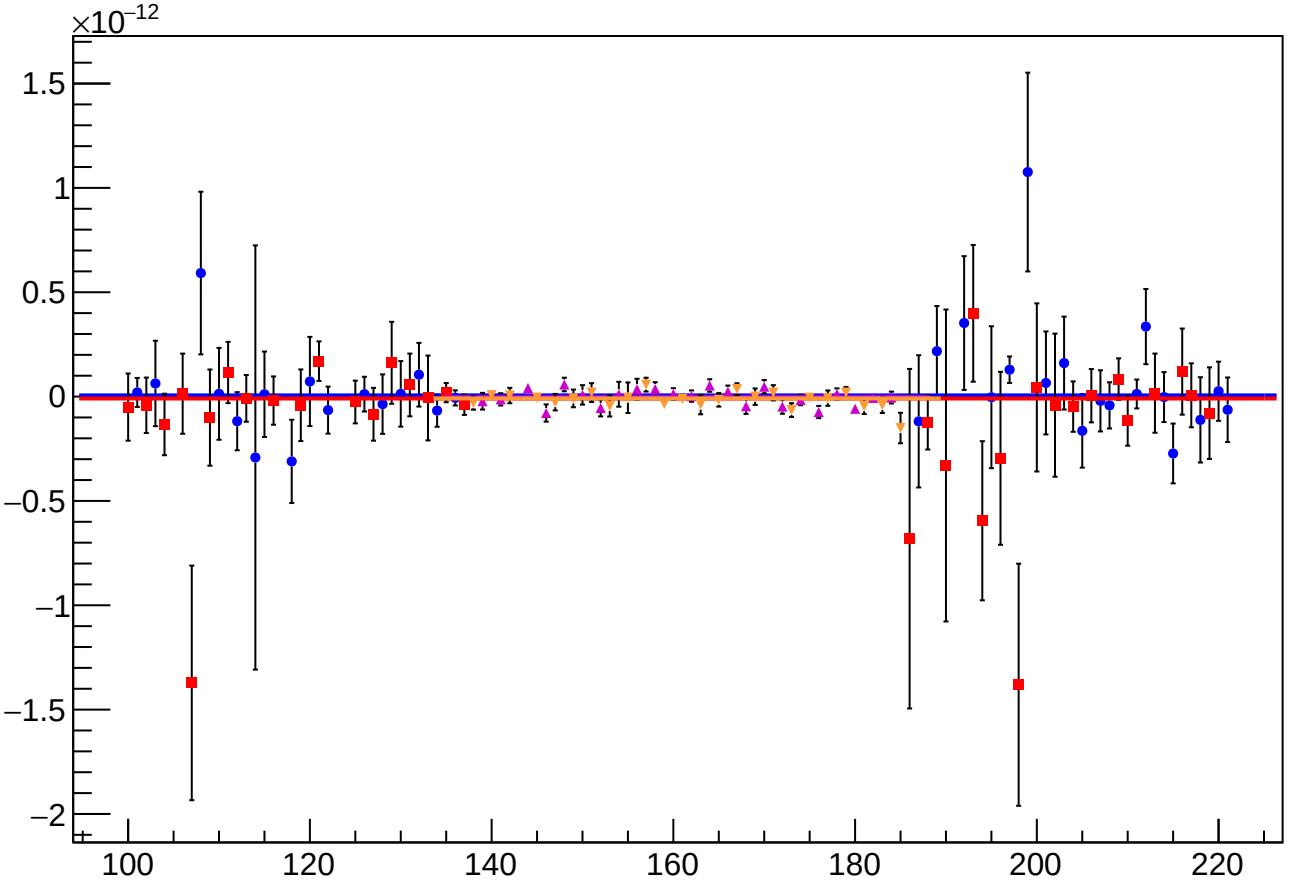
Right Out: 2416.256+/-0.379 χ^2/NDF: 1472757.7/34

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2126.858+/-0.239 χ^2/NDF: 1981527.4/57

All: 2142.191+/-0.172 χ^2/NDF: 4290758.2/11

- sign 2158.562+/-0.247 χ^2/NDF: 2300714.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

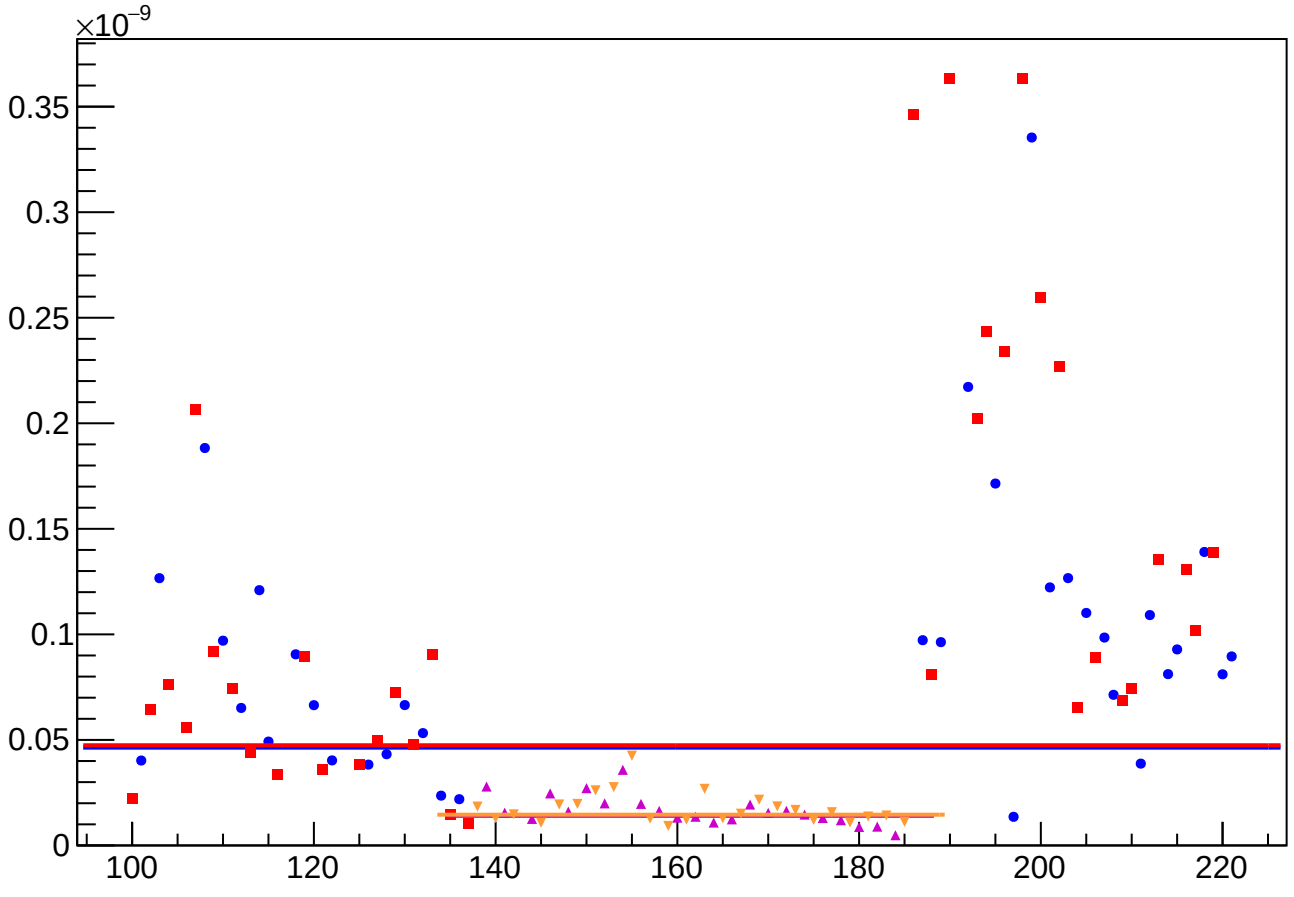
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/34

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.5/57

All: -0.000+/-0.000 χ^2/NDF: 116.0/115

- sign -0.000+/-0.000 χ^2/NDF: 66.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 6665576.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

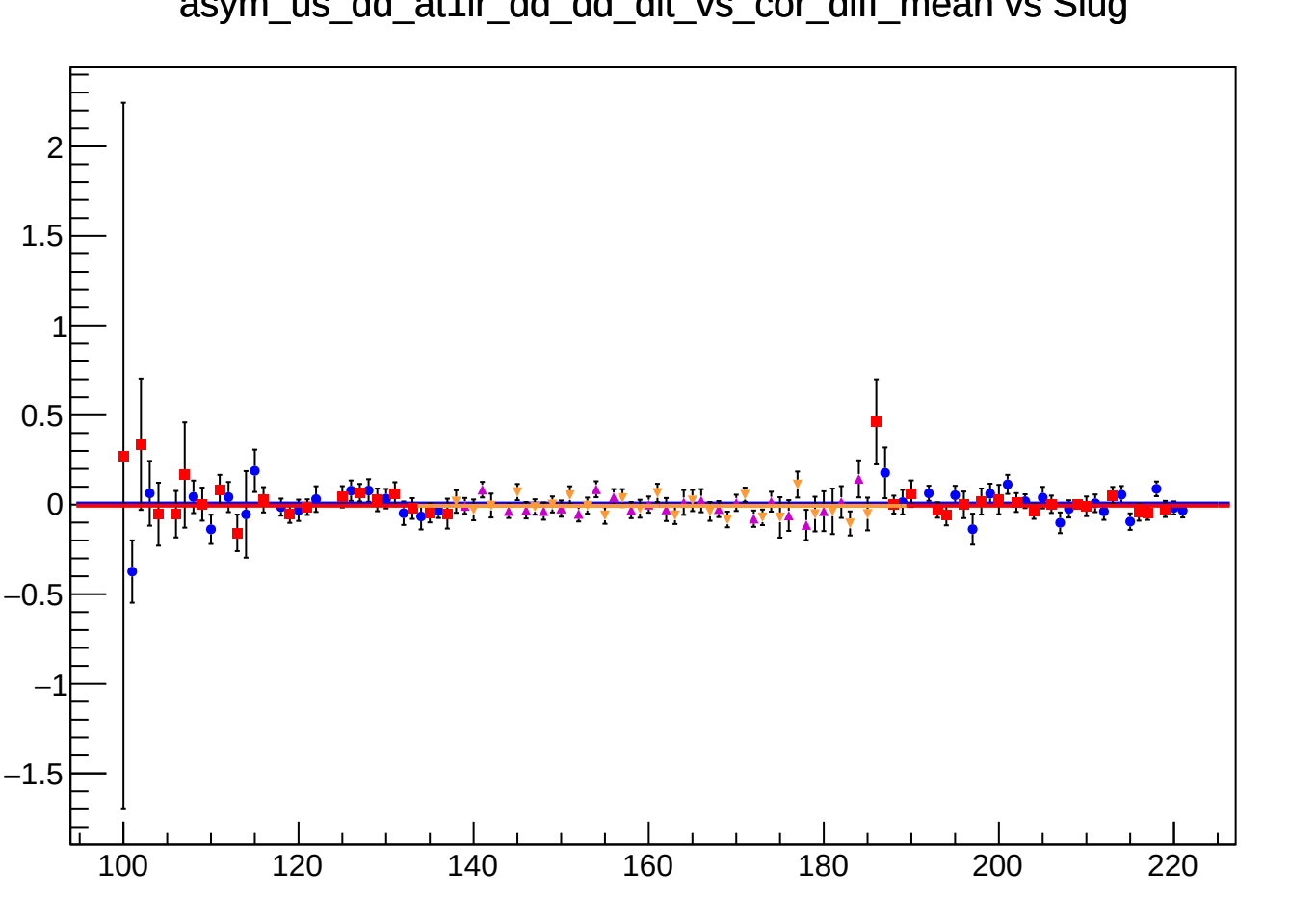
Right Out: 0.000+/-0.000 χ^2/NDF: 8577625.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12634600.2/57

All: 0.000+/-0.000 χ^2/NDF: 27198974.3/115

- sign 0.000+/-0.000 χ^2/NDF: 14537664.2/57



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

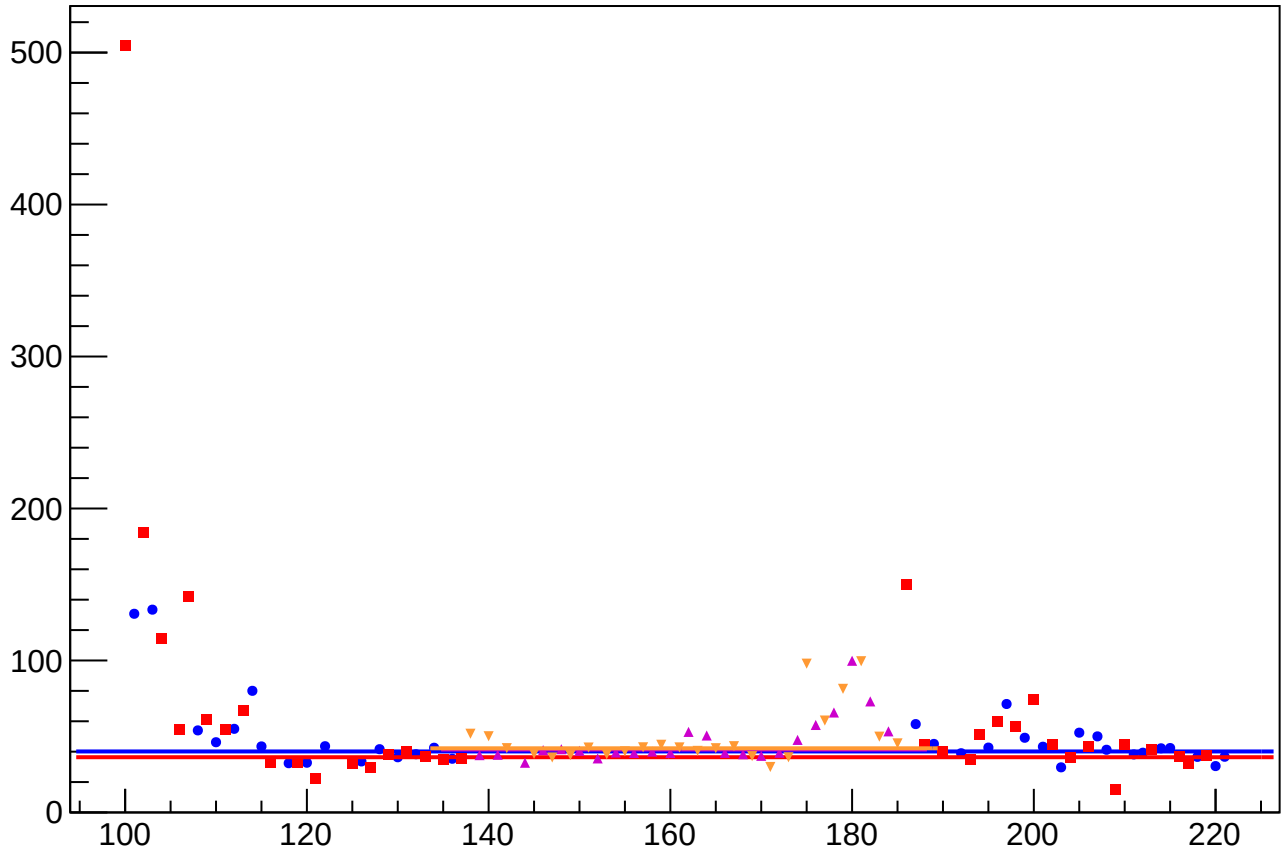
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 112.4/115

- sign -0.006+/-0.007 χ^2/NDF: 41.6/57



Right In: 40.140+/-0.007 χ^2/NDF: 2255225.8/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

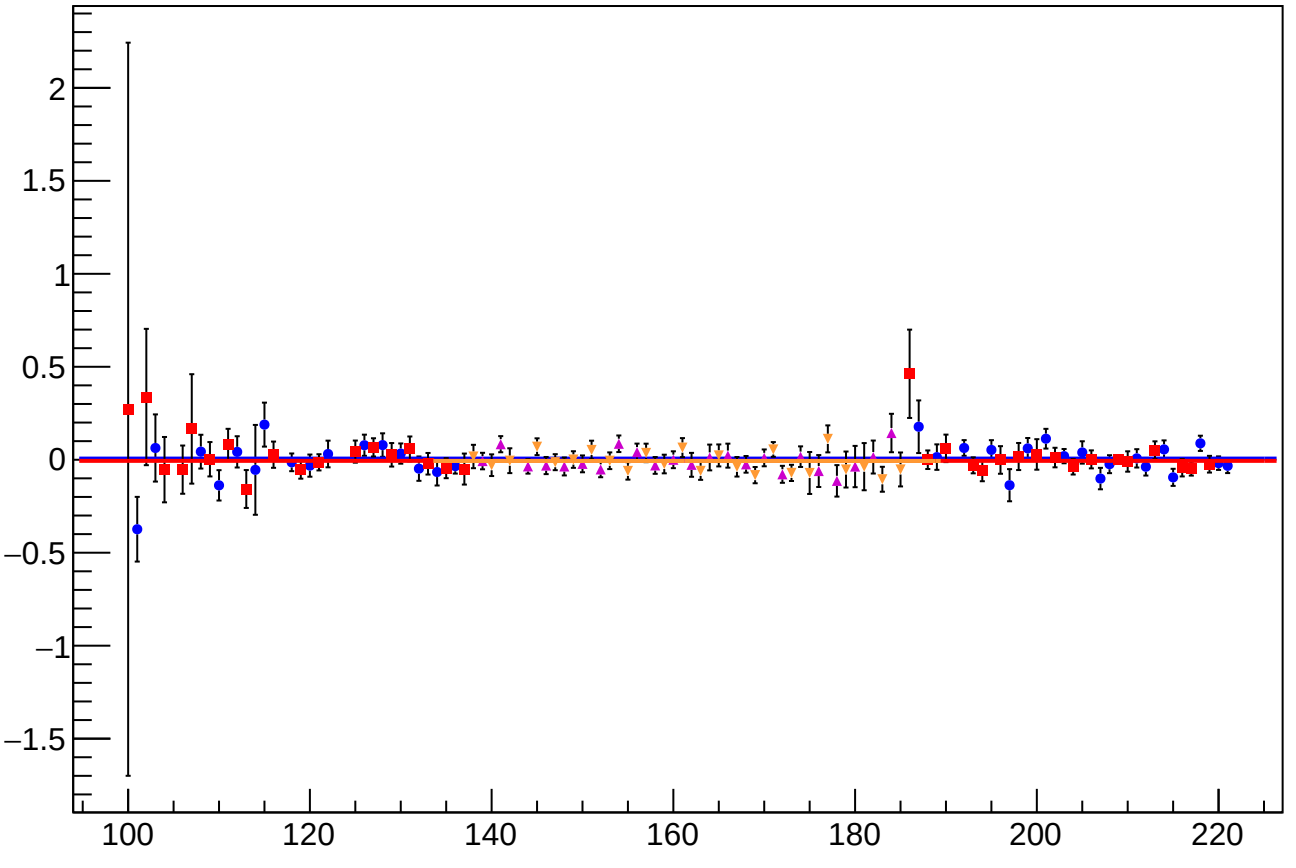
Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.041+/-0.005 χ^2/NDF: 4115078.2/57

All: 39.801+/-0.004 χ^2/NDF: 10819253.1/115

- sign 38.584+/-0.005 χ^2/NDF: 6586871.8/57



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

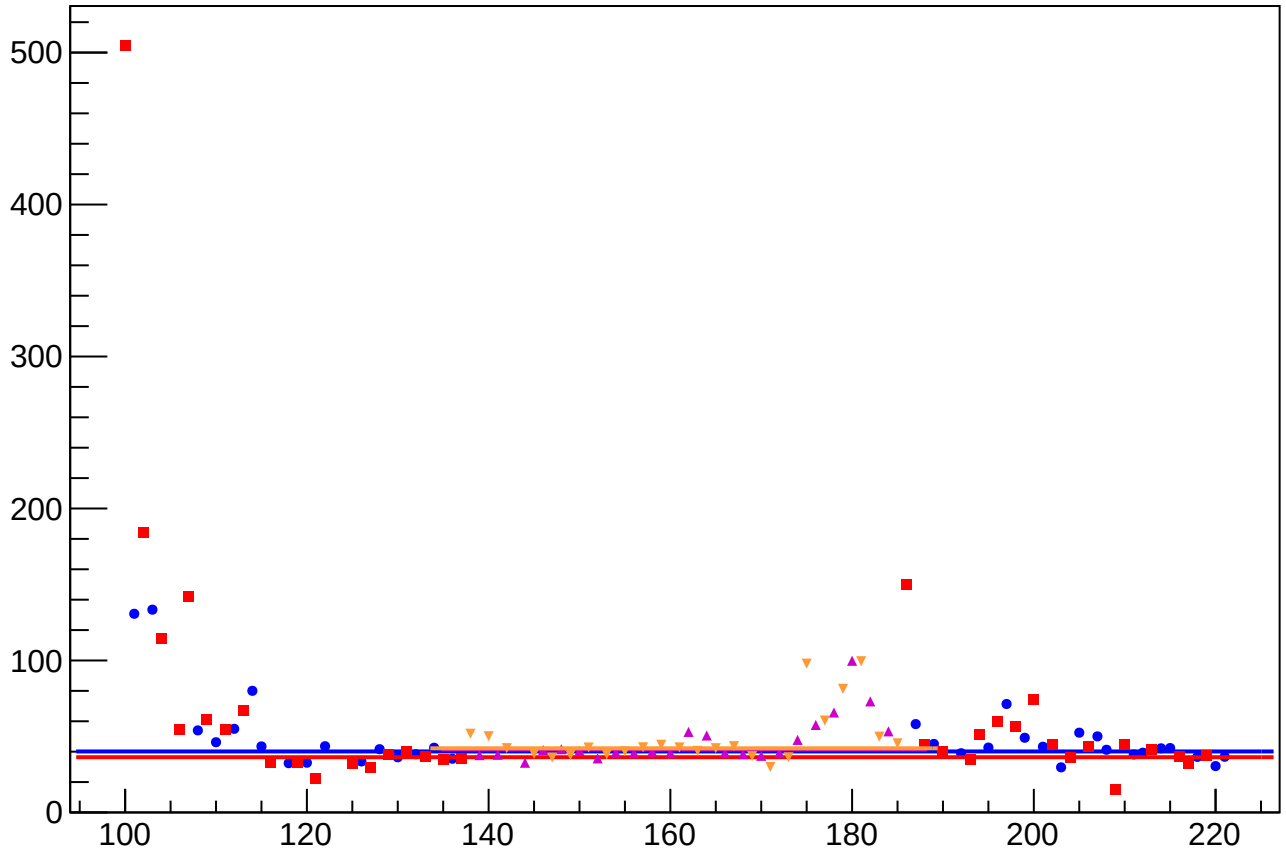
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 112.4/115

- sign -0.006+/-0.007 χ^2/NDF: 41.6/57



Right In: 40.140+/-0.007 χ^2/NDF: 2255225.8/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

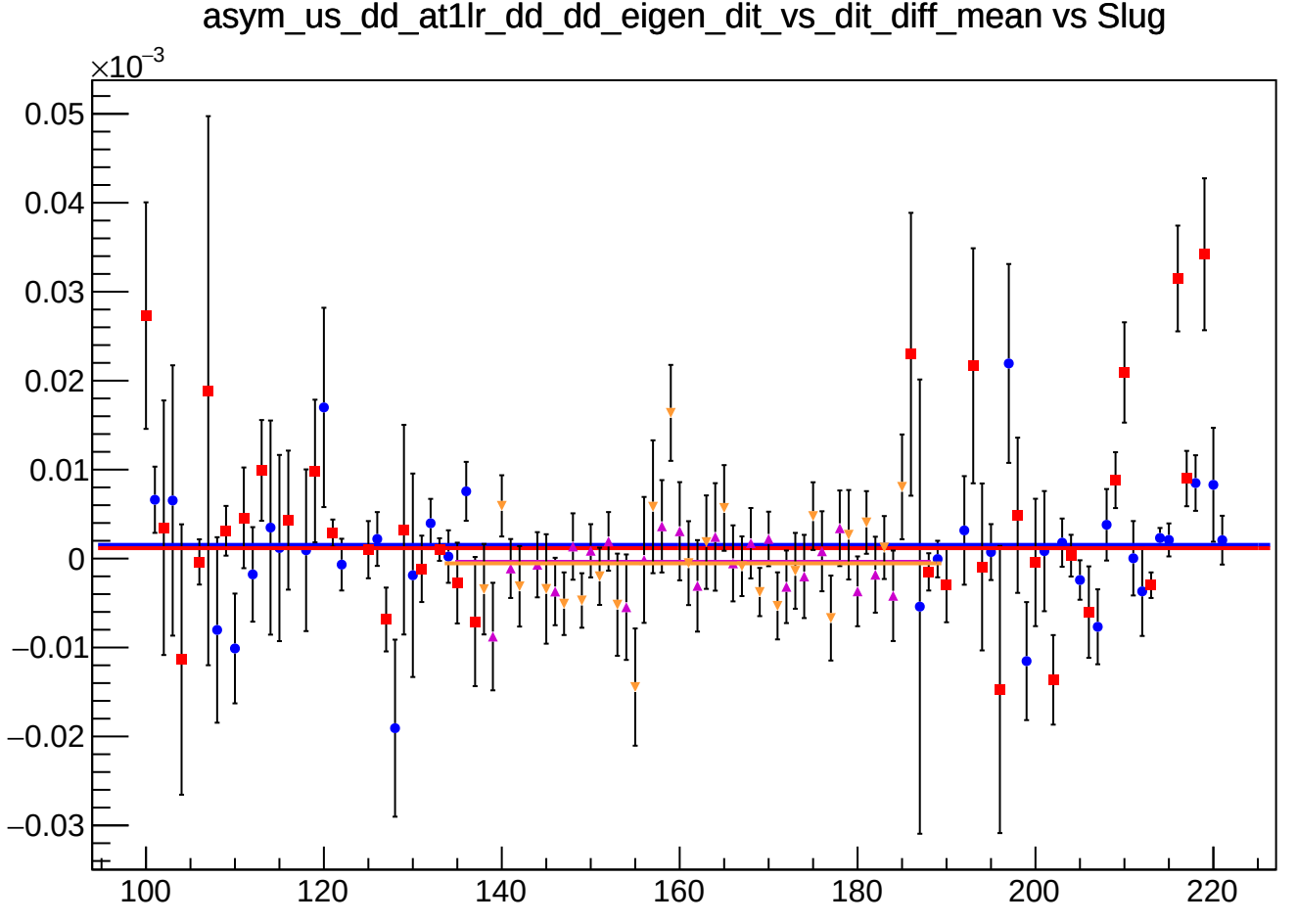
Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.041+/-0.005 χ^2/NDF: 4115078.2/57

All: 39.801+/-0.004 χ^2/NDF: 10819253.1/115

- sign 38.584+/-0.005 χ^2/NDF: 6586871.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 42.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

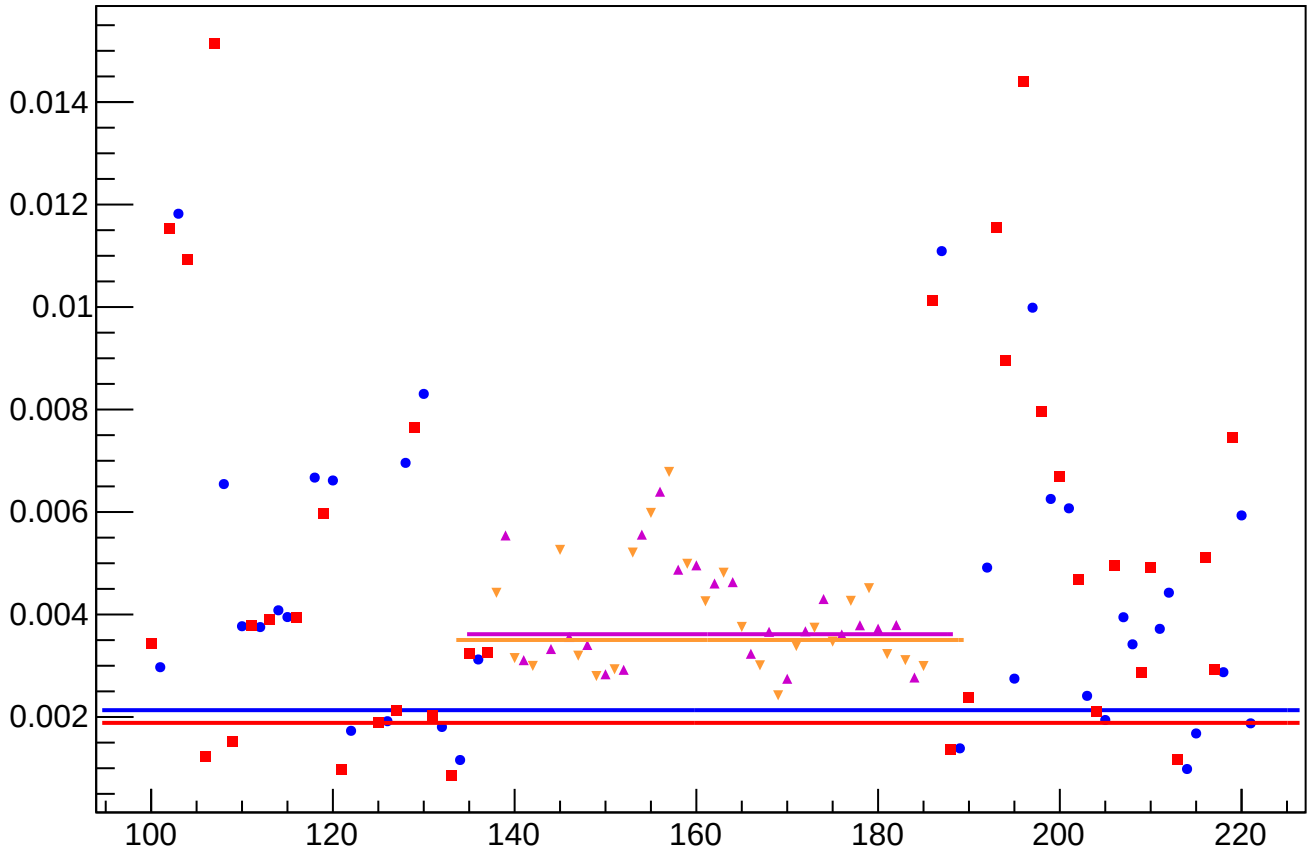
Right Out: 0.000+/-0.000 χ^2/NDF: 111.7/34

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.2/57

All: 0.000+/-0.000 χ^2/NDF: 206.8/115

- sign 0.000+/-0.000 χ^2/NDF: 123.6/57



Right In: 0.002+/-0.000 χ^2/NDF: 11849164.0/33

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

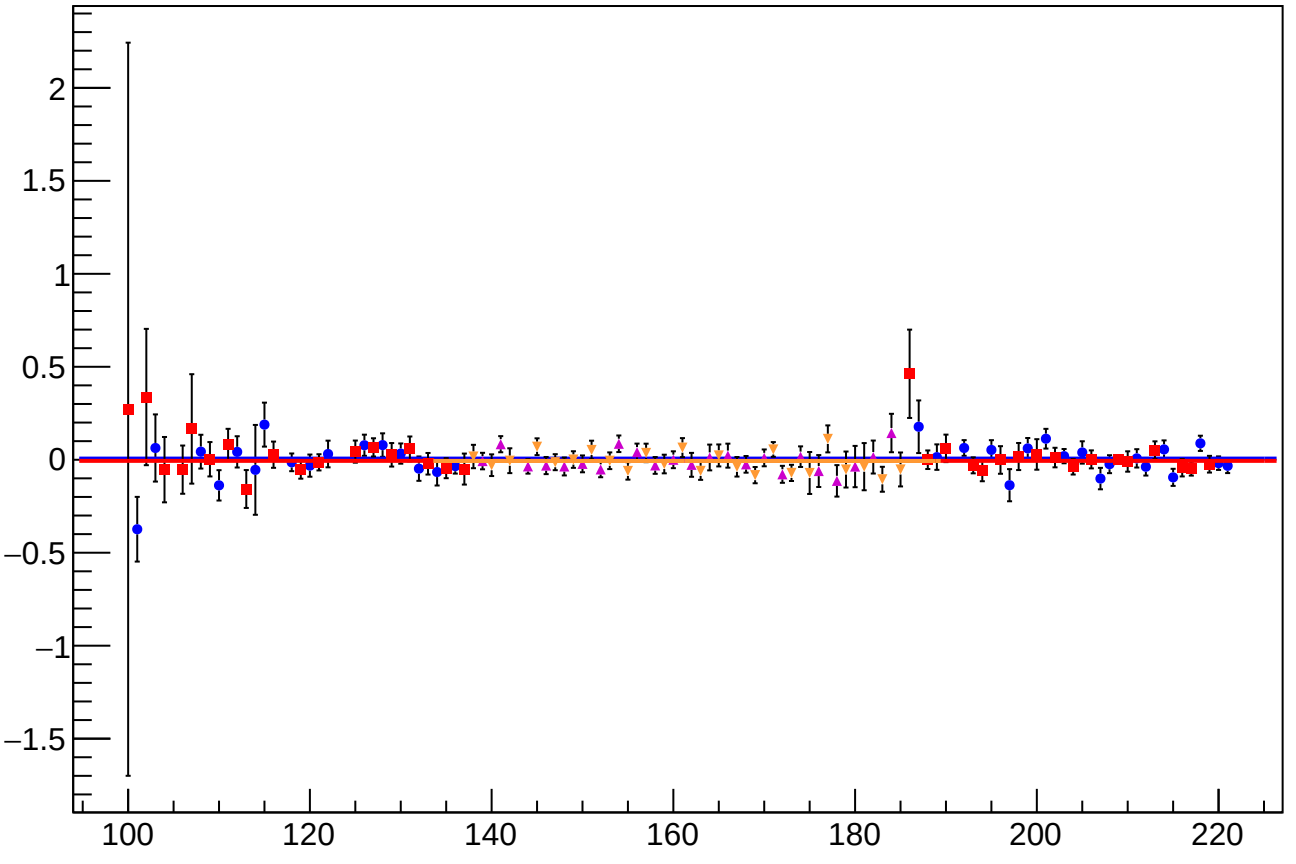
Right Out: 0.002+/-0.000 χ^2/NDF: 16365187.3/34

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 17659492.6/57

All: 0.002+/-0.000 χ^2/NDF: 41364470.4/115

- sign 0.002+/-0.000 χ^2/NDF: 23582859.6/57



Right In: 0.006+/-0.010 χ^2/NDF: 45.7/33

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

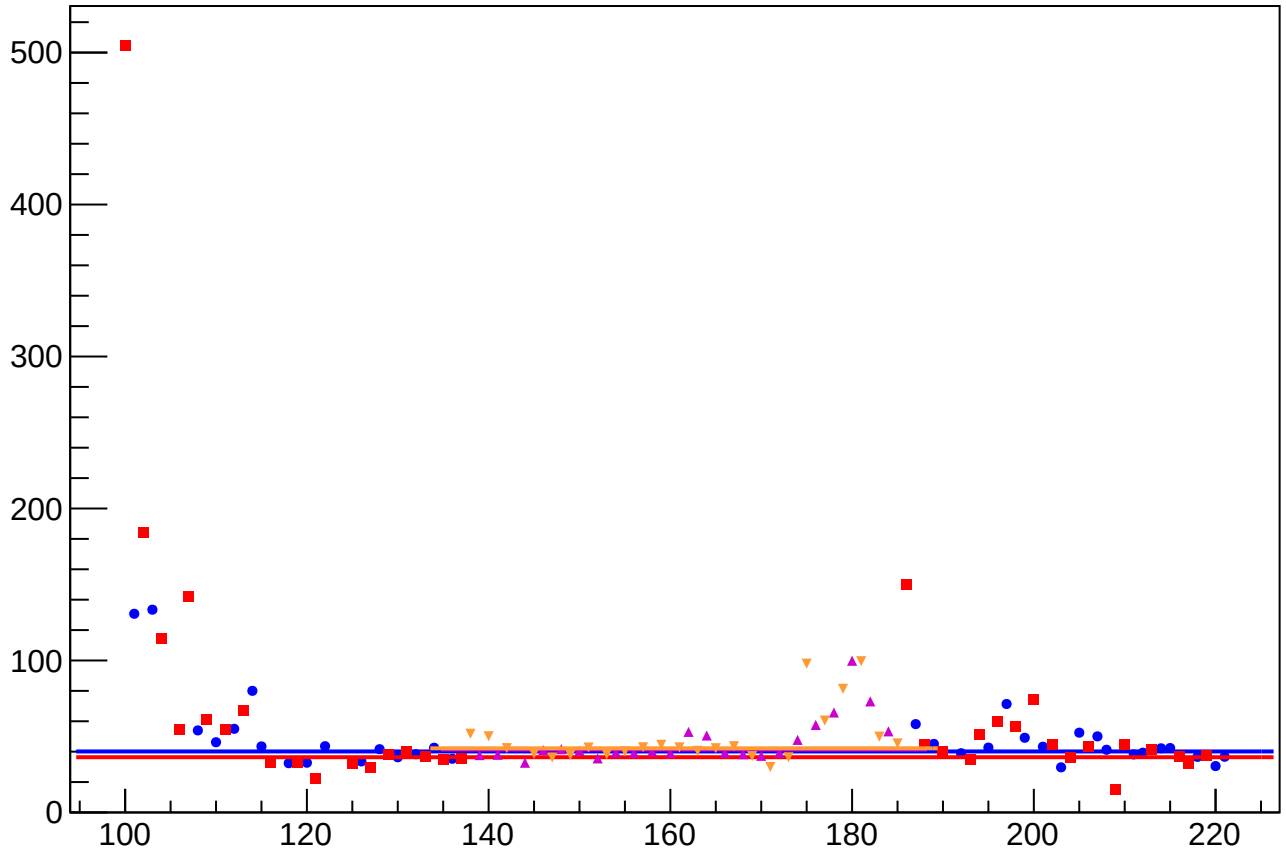
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.001+/-0.007 χ^2/NDF: 70.4/57

All: -0.003+/-0.005 χ^2/NDF: 112.4/115

- sign -0.006+/-0.007 χ^2/NDF: 41.6/57



Right In: 40.141+/-0.007 χ^2/NDF: 2255157.3/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

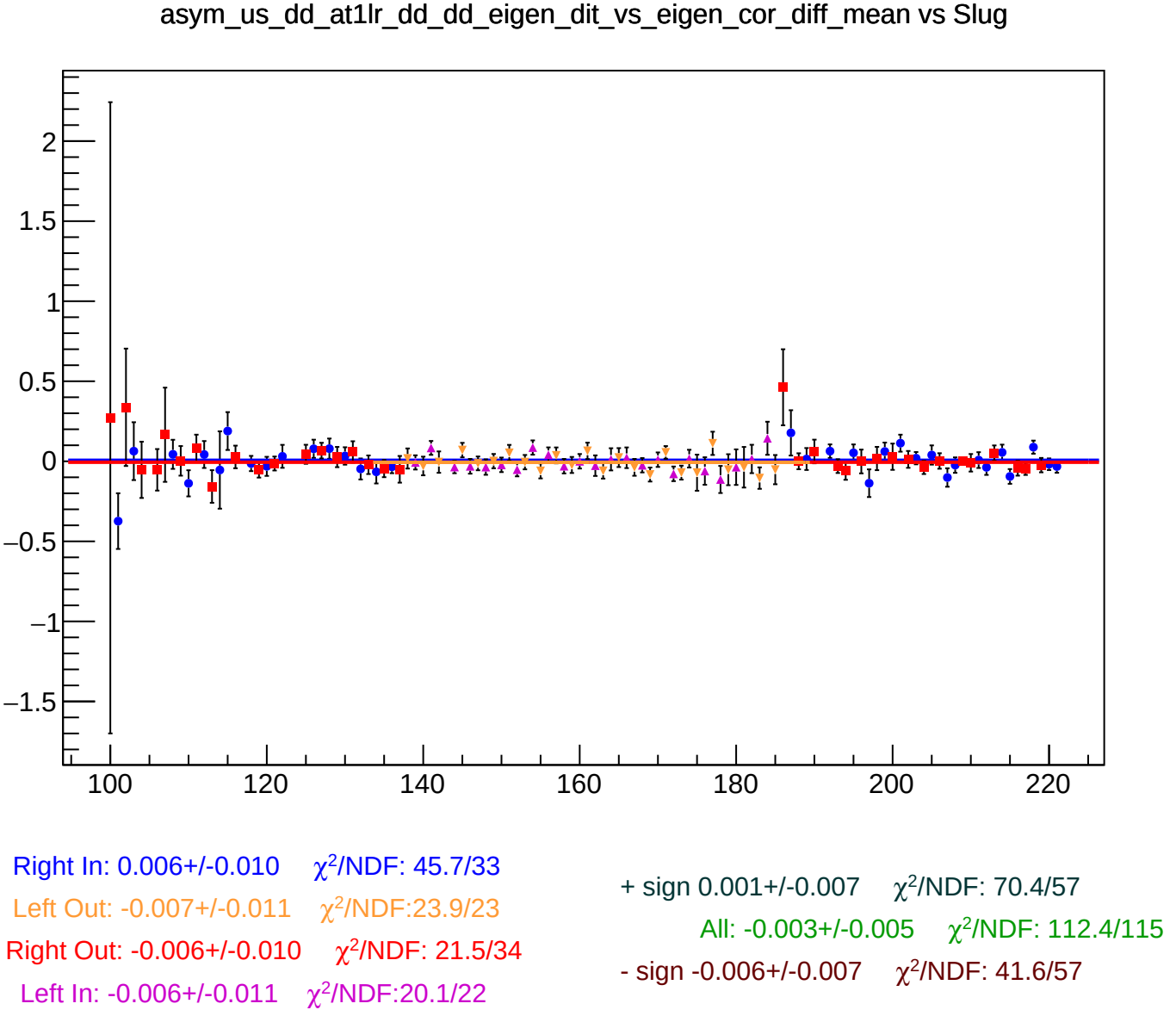
Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

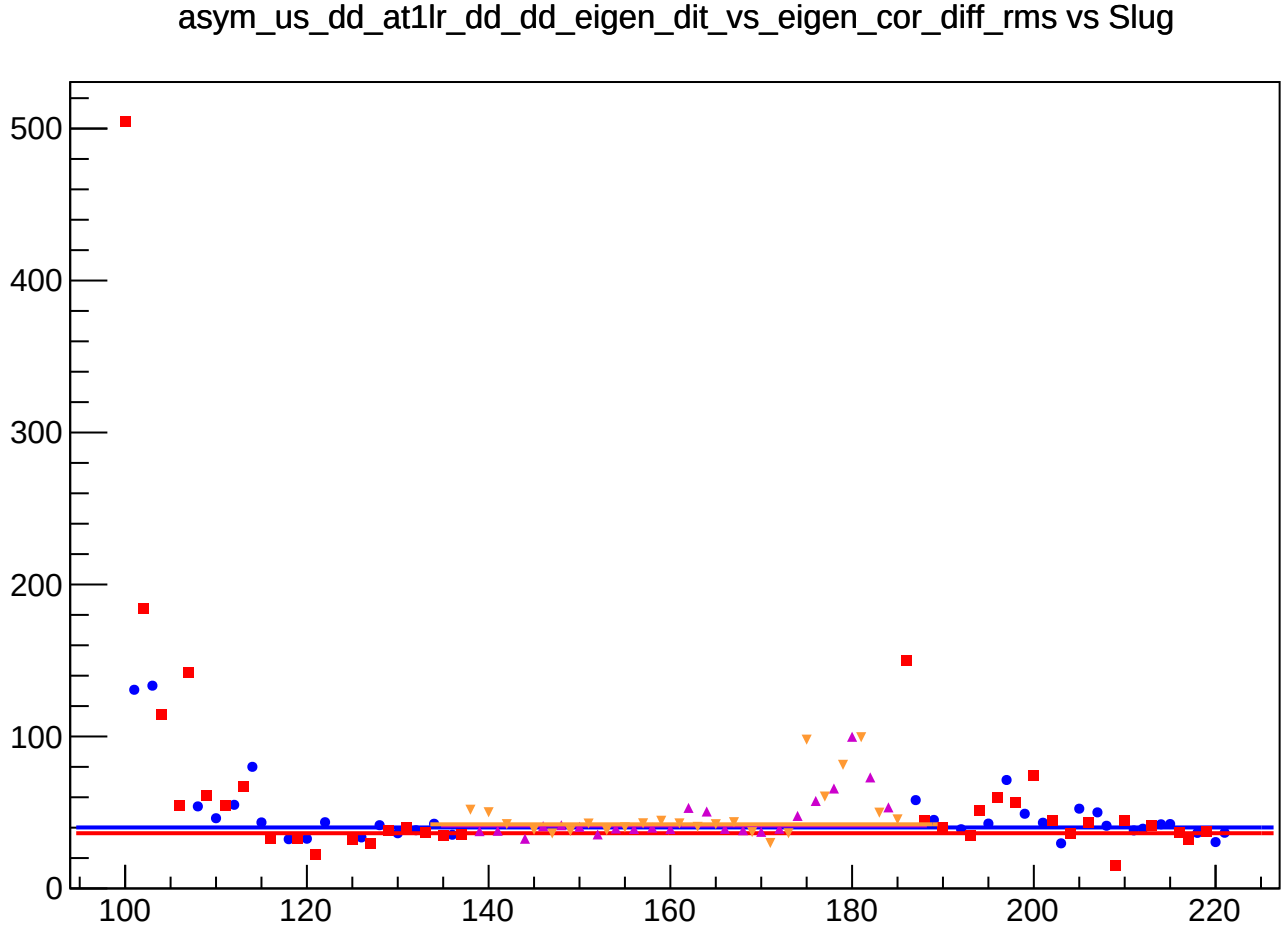
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.041+/-0.005 χ^2/NDF: 4114995.2/57

All: 39.802+/-0.004 χ^2/NDF: 10816103.6/115

- sign 38.586+/-0.005 χ^2/NDF: 6583975.5/57


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.006+/-0.010 χ²/NDF: 45.7/33
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: -0.006+/-0.010 χ²/NDF: 21.5/34
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign 0.001+/-0.007 χ²/NDF: 70.4/57
All: -0.003+/-0.005 χ²/NDF: 112.4/115
- sign -0.006+/-0.007 χ²/NDF: 41.6/57



Right In: 40.141+/-0.007 χ^2/NDF: 2255157.3/33

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

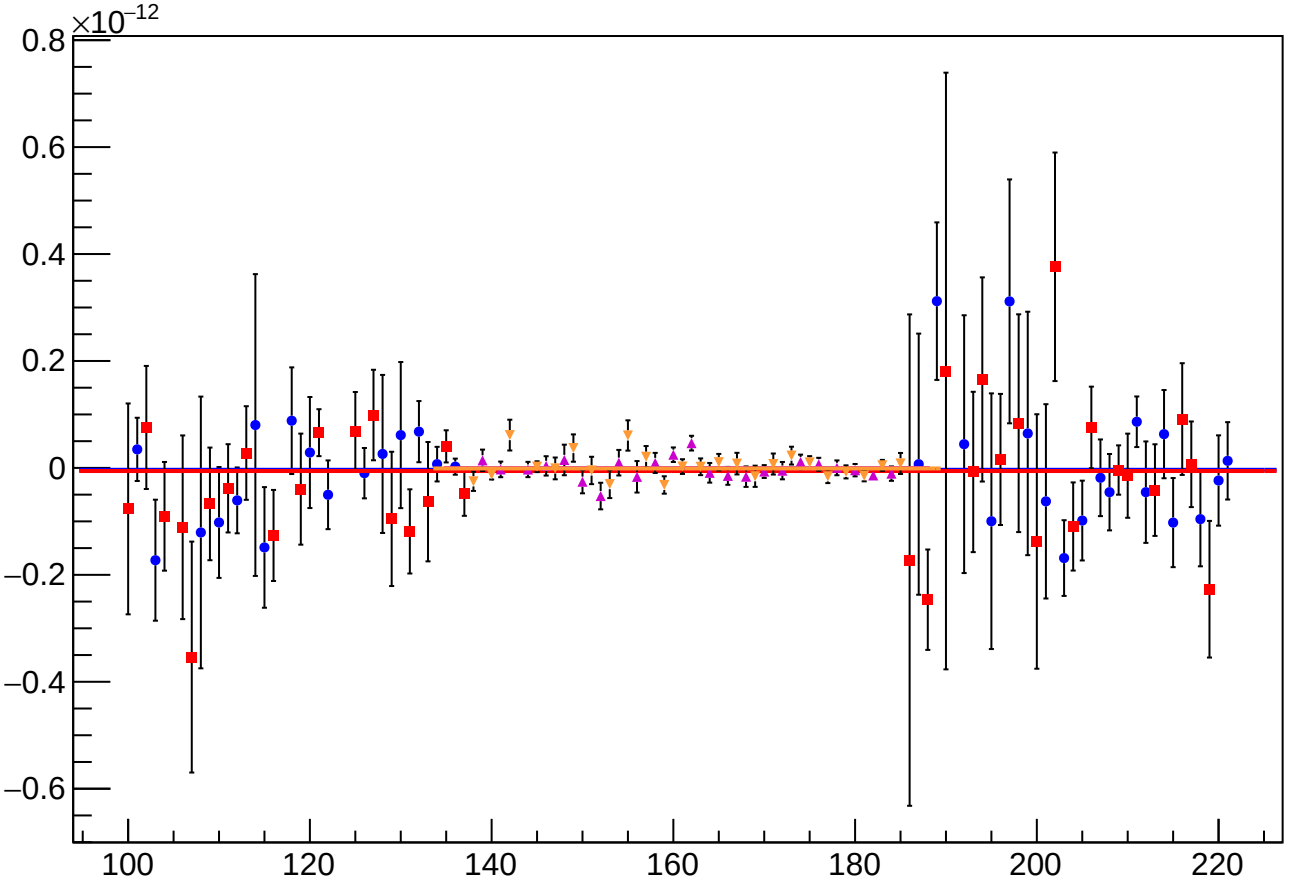
Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.041+/-0.005 χ^2/NDF: 4114995.2/57

All: 39.802+/-0.004 χ^2/NDF: 10816103.6/115

- sign 38.586+/-0.005 χ^2/NDF: 6583975.5/57



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

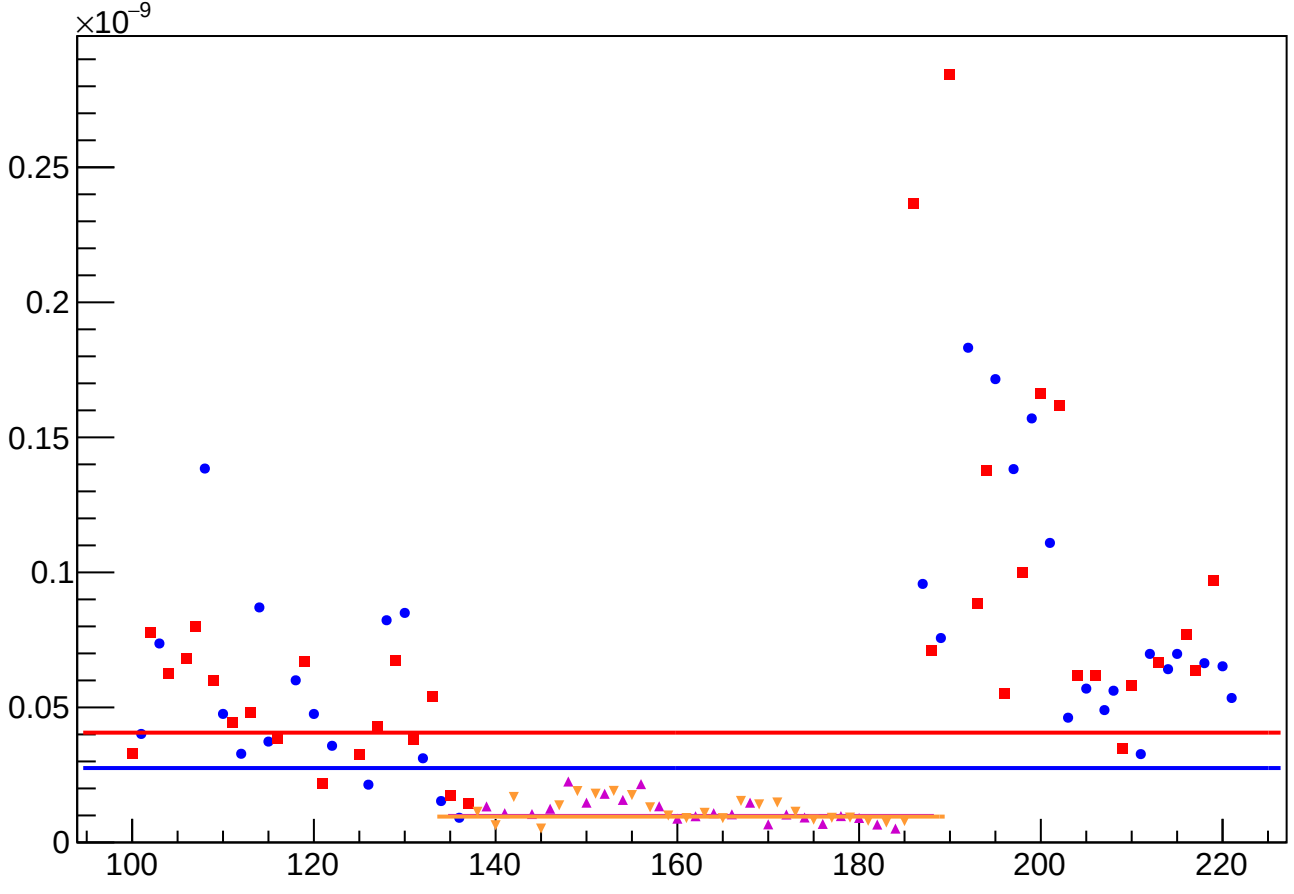
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/57

All: -0.000+/-0.000 χ^2/NDF: 126.0/115

- sign -0.000+/-0.000 χ^2/NDF: 65.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 12053430.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637434.5/34

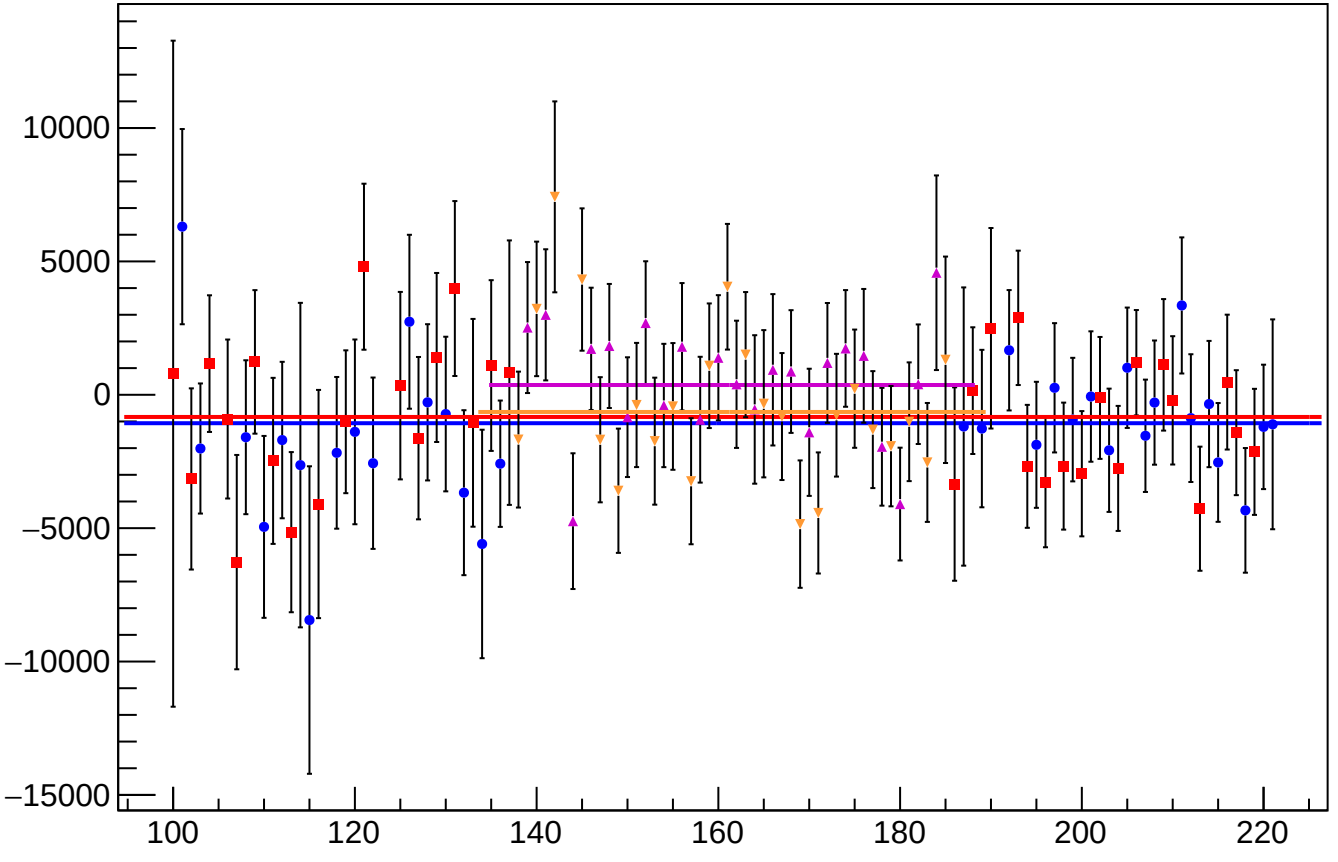
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 20258261.7/57

All: 0.000+/-0.000 χ^2/NDF: 39912004.0/115

- sign 0.000+/-0.000 χ^2/NDF: 19641537.9/57

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1065.442+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -831.091+/-470.288 χ^2/NDF: 25.1/34

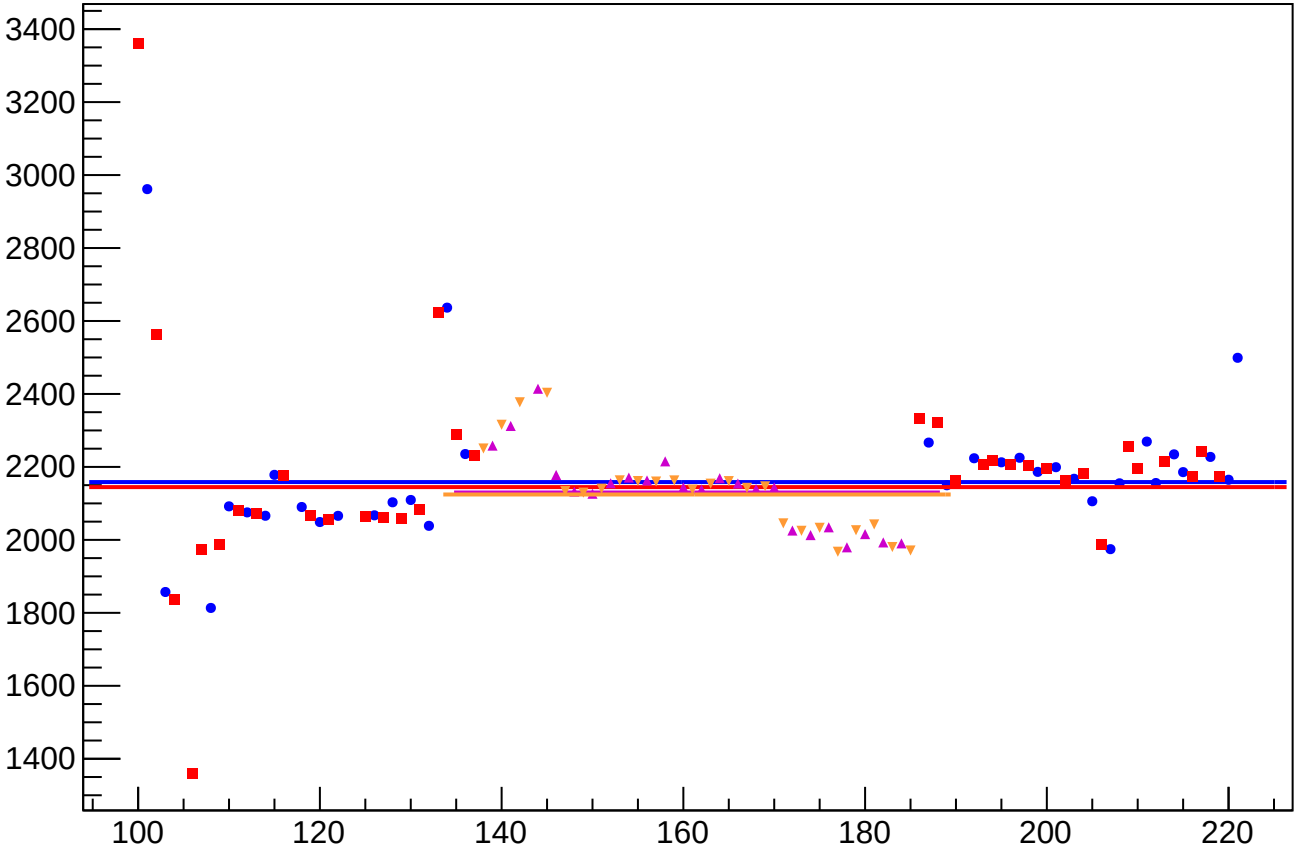
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -866.175+/-339.389 χ^2/NDF: 47.6/57

All: -568.435+/-240.863 χ^2/NDF: 94.6/115

- sign -266.296+/-341.887 χ^2/NDF: 45.4/57

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.467+/-0.330 χ^2/NDF: 241254.2/33

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

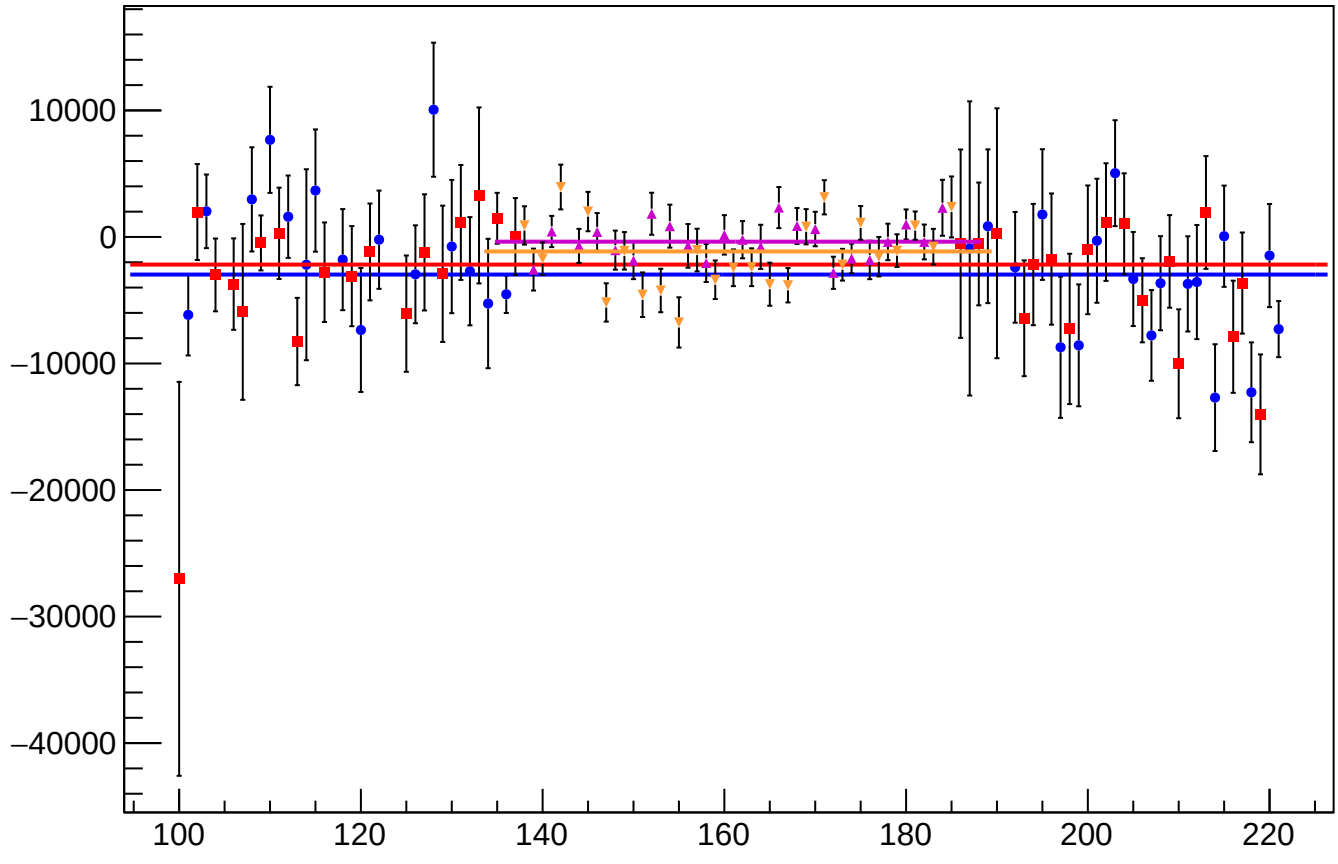
Right Out: 2144.648+/-0.333 χ^2/NDF: 319653.9/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2142.384+/-0.240 χ^2/NDF: 335449.9/57

All: 2140.055+/-0.170 χ^2/NDF: 741575.6/115

- sign 2137.693+/-0.242 χ^2/NDF: 405936.1/57



Right In: -2971.598+/-641.262 χ^2/NDF: 50.2/33

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

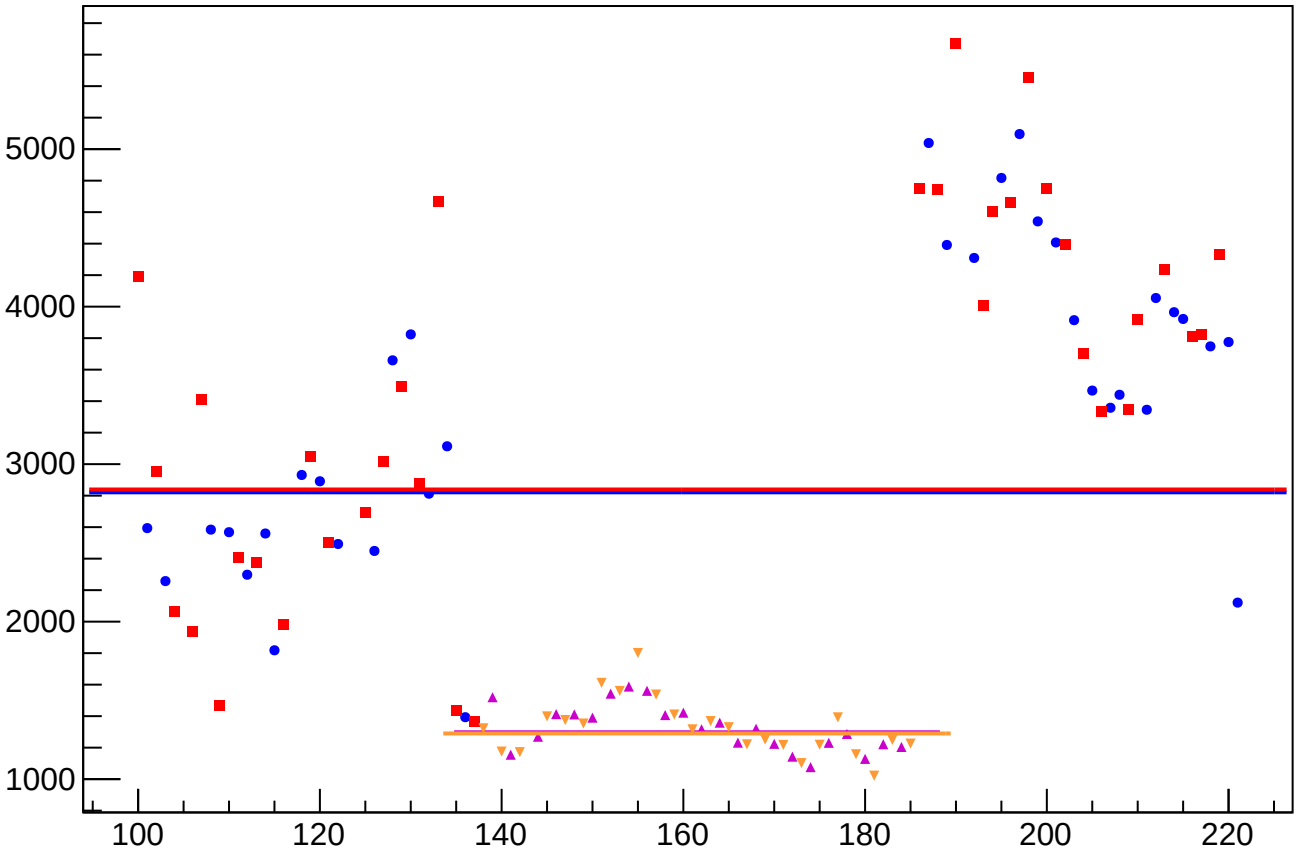
Right Out: -2183.425+/-671.296 χ^2/NDF: 30.4/34

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1477.308+/-273.579 χ^2/NDF: 124.3/57

All: -1086.801+/-194.983 χ^2/NDF: 185.2/115

- sign -683.664+/-277.968 χ^2/NDF: 56.7/57



Right In: 2821.228+/-0.453 χ^2/NDF: 4999683.6/33

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2839.054+/-0.475 χ^2/NDF: 5952313.2/34

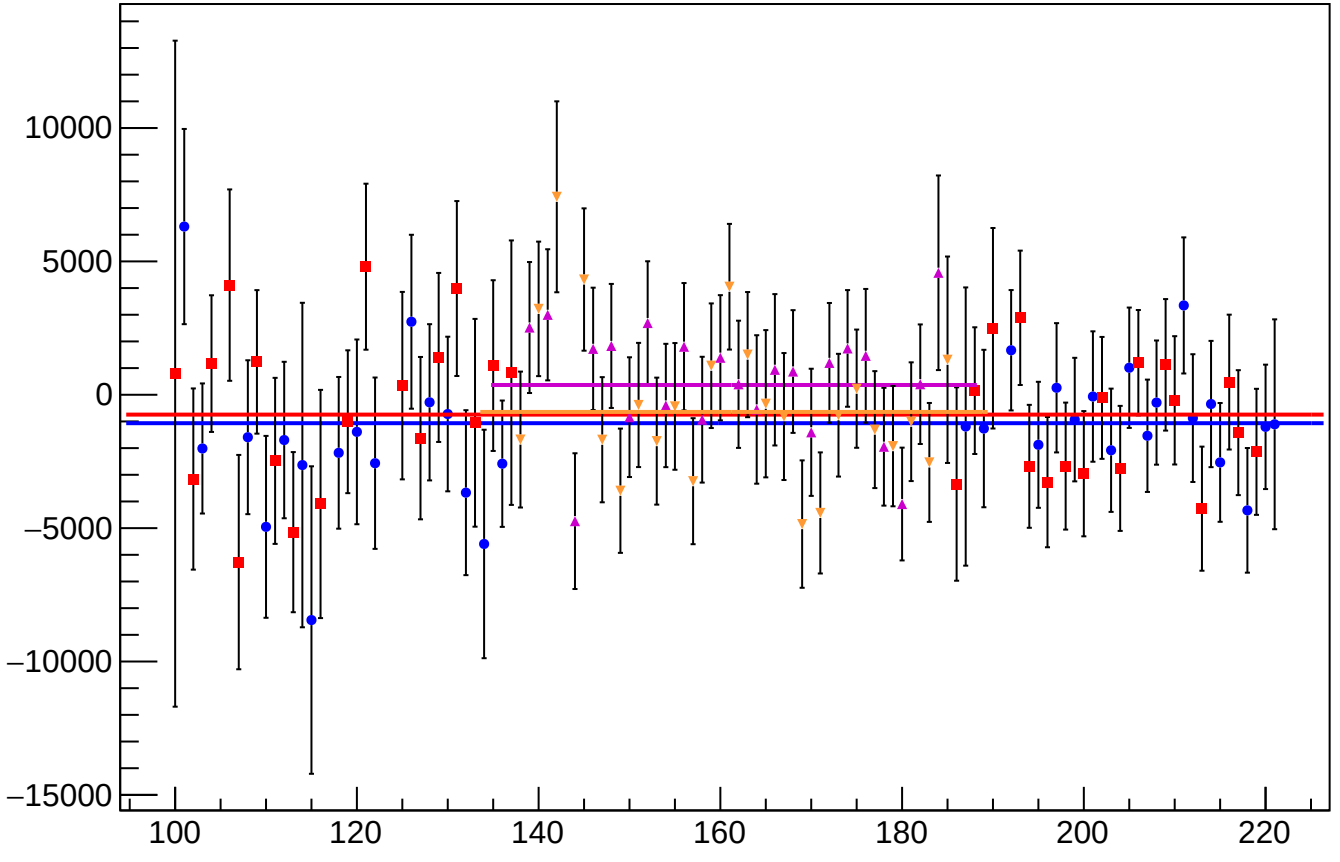
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1568.722+/-0.193 χ^2/NDF: 14895247.7/57

All: 1565.304+/-0.138 χ^2/NDF: 30021122.4/1

- sign 1561.776+/-0.197 χ^2/NDF: 15125240.3/57

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1065.449+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -743.633+/-472.114 χ^2/NDF: 26.9/34

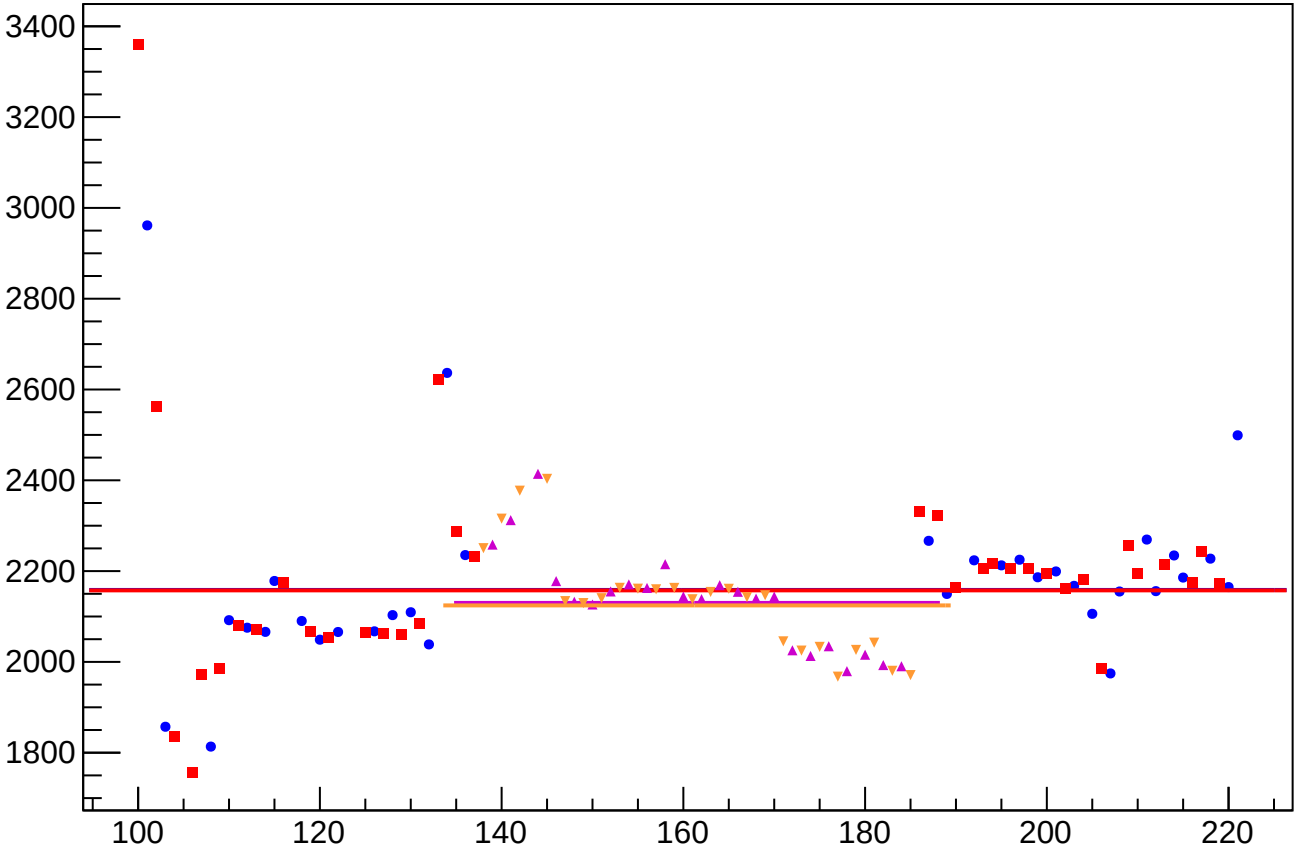
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -866.114+/-339.389 χ^2/NDF: 47.6/57

All: -545.087+/-241.107 χ^2/NDF: 96.3/115

- sign -217.982+/-342.587 χ^2/NDF: 46.9/57

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.467+/-0.330 χ^2/NDF: 241254.5/33

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

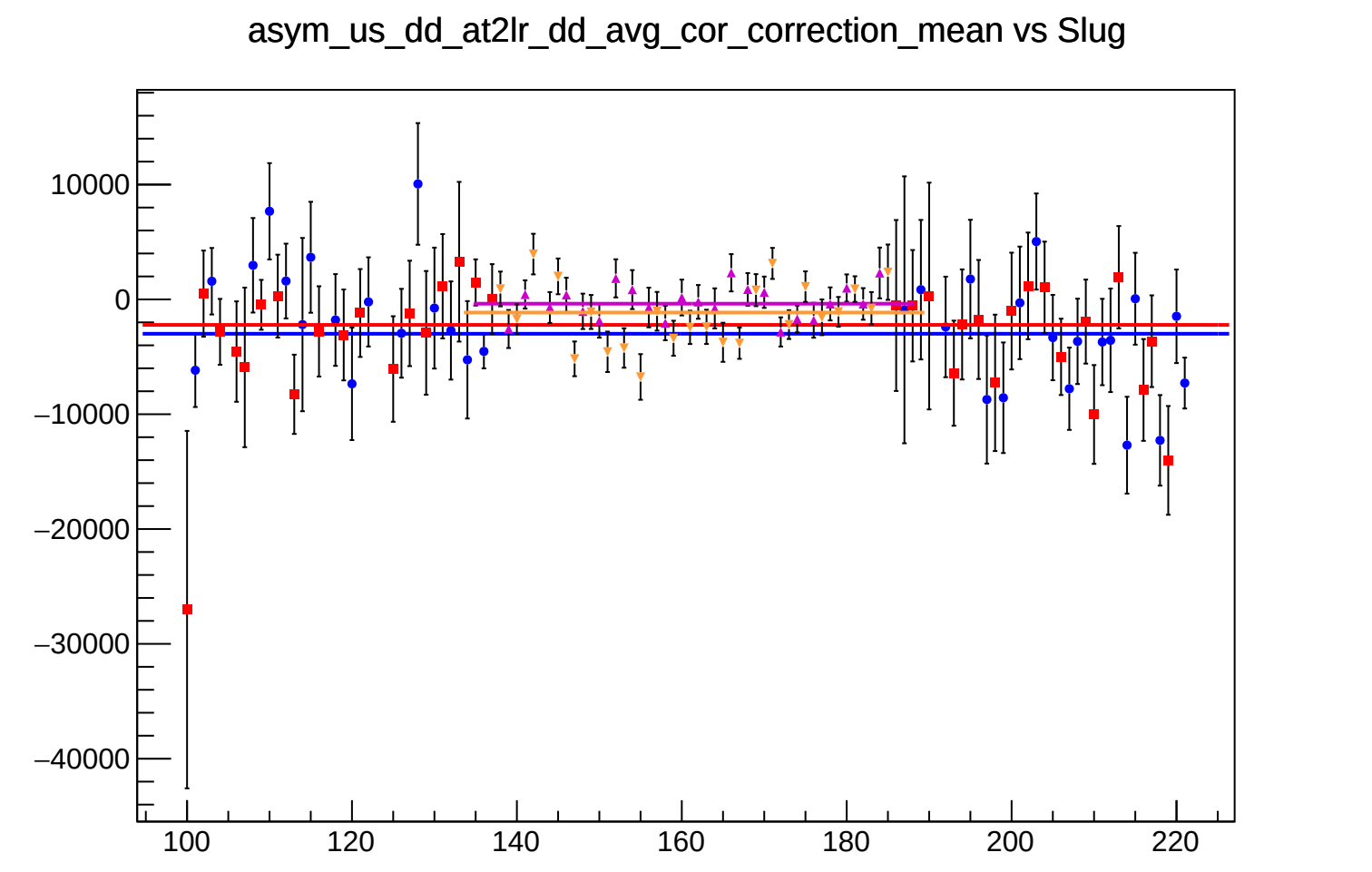
Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2142.384+/-0.240 χ^2/NDF: 335450.2/57

All: 2143.422+/-0.170 χ^2/NDF: 627363.7/115

- sign 2144.479+/-0.242 χ^2/NDF: 291875.7/57



Right In: -2992.259+/-641.156 χ^2/NDF: 49.7/33

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

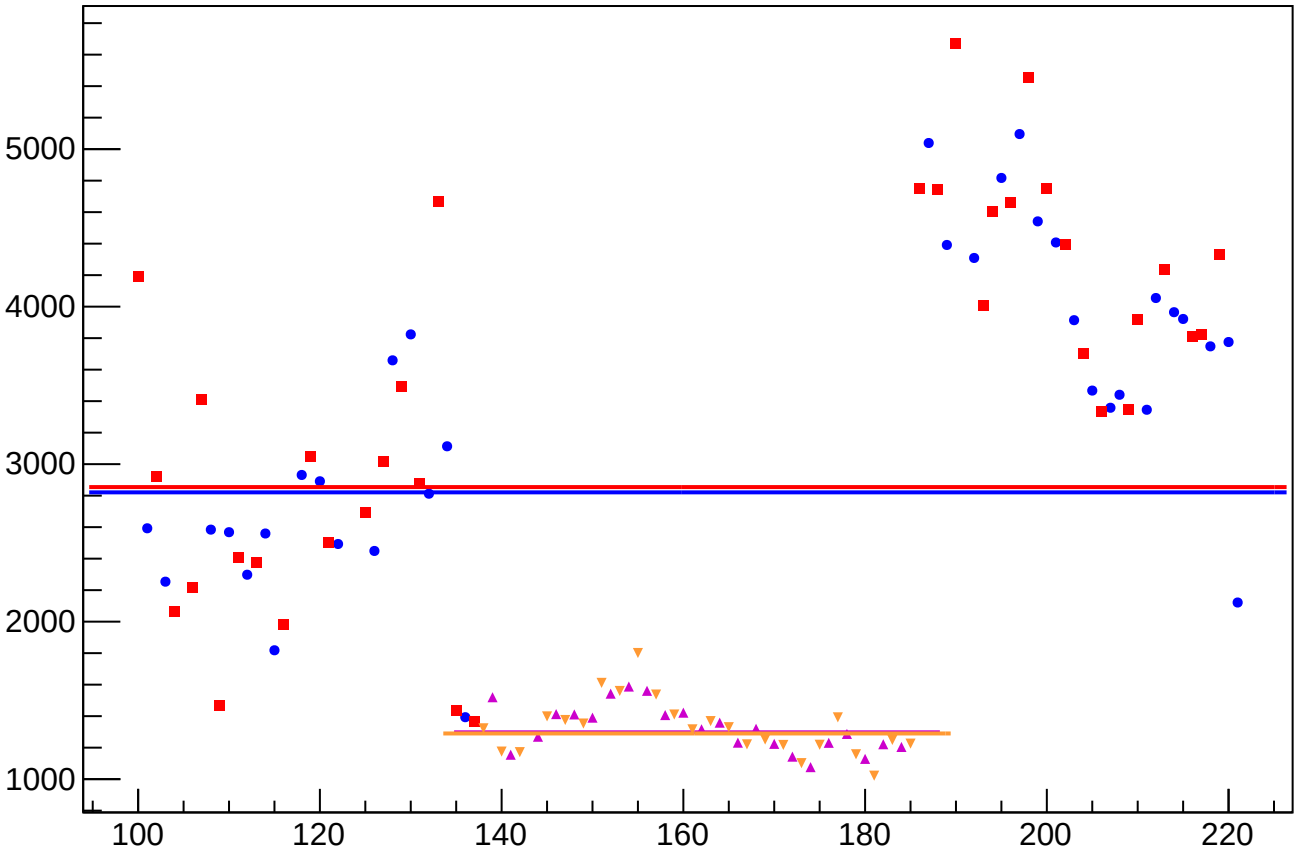
Right Out: -2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1481.133+/-273.572 χ^2/NDF: 124.0/57

All: -1090.922+/-195.063 χ^2/NDF: 184.5/115

- sign -687.379+/-278.207 χ^2/NDF: 56.3/57



Right In: 2820.899+/-0.453 χ^2/NDF: 5000771.5/33

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

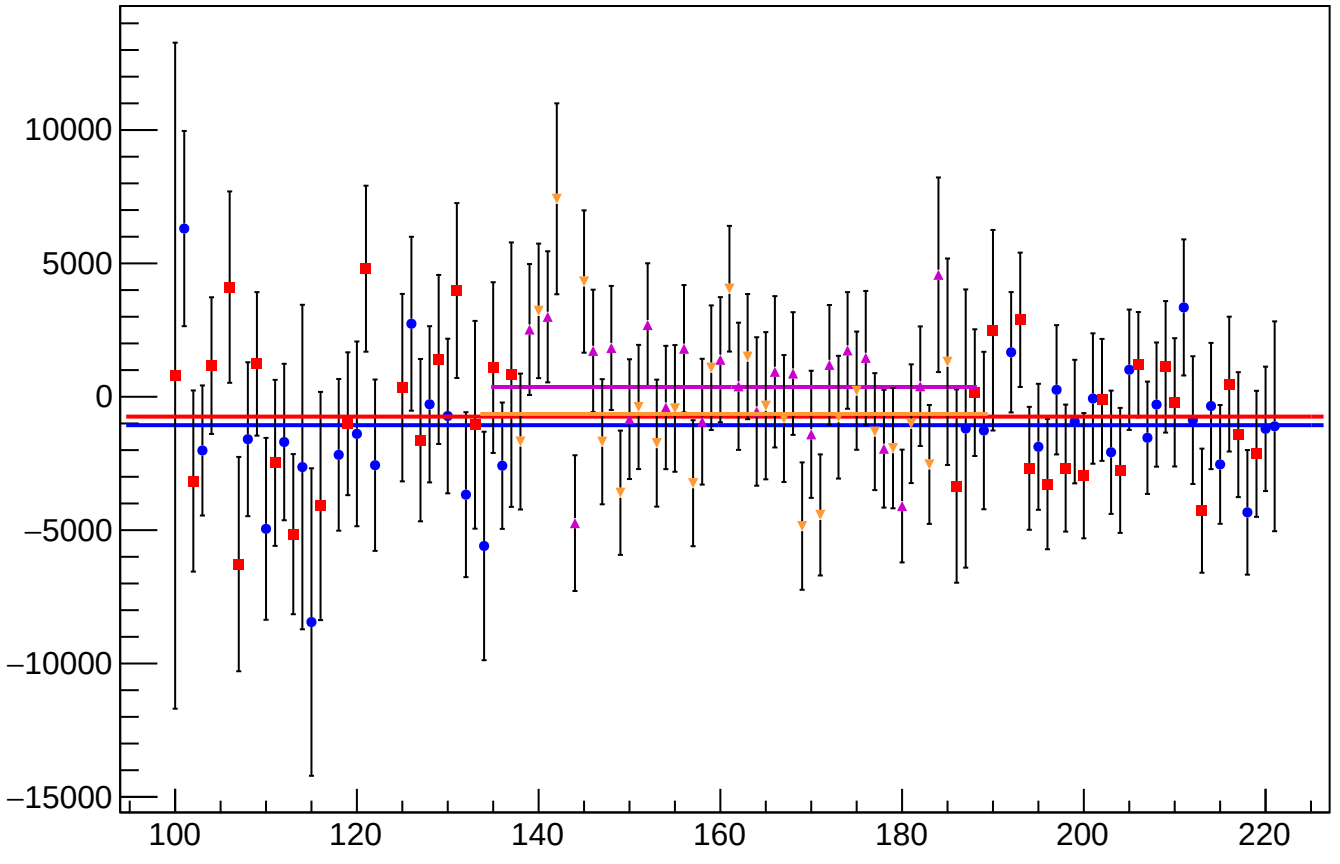
Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1568.750+/-0.193 χ^2/NDF: 14894609.0/57

All: 1565.527+/-0.138 χ^2/NDF: 30037461.8/1

- sign 1562.195+/-0.197 χ^2/NDF: 15142288.3/57



Right In: -1065.449+/-467.339 χ^2/NDF: 20.1/33

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -743.633+/-472.114 χ^2/NDF: 26.9/34

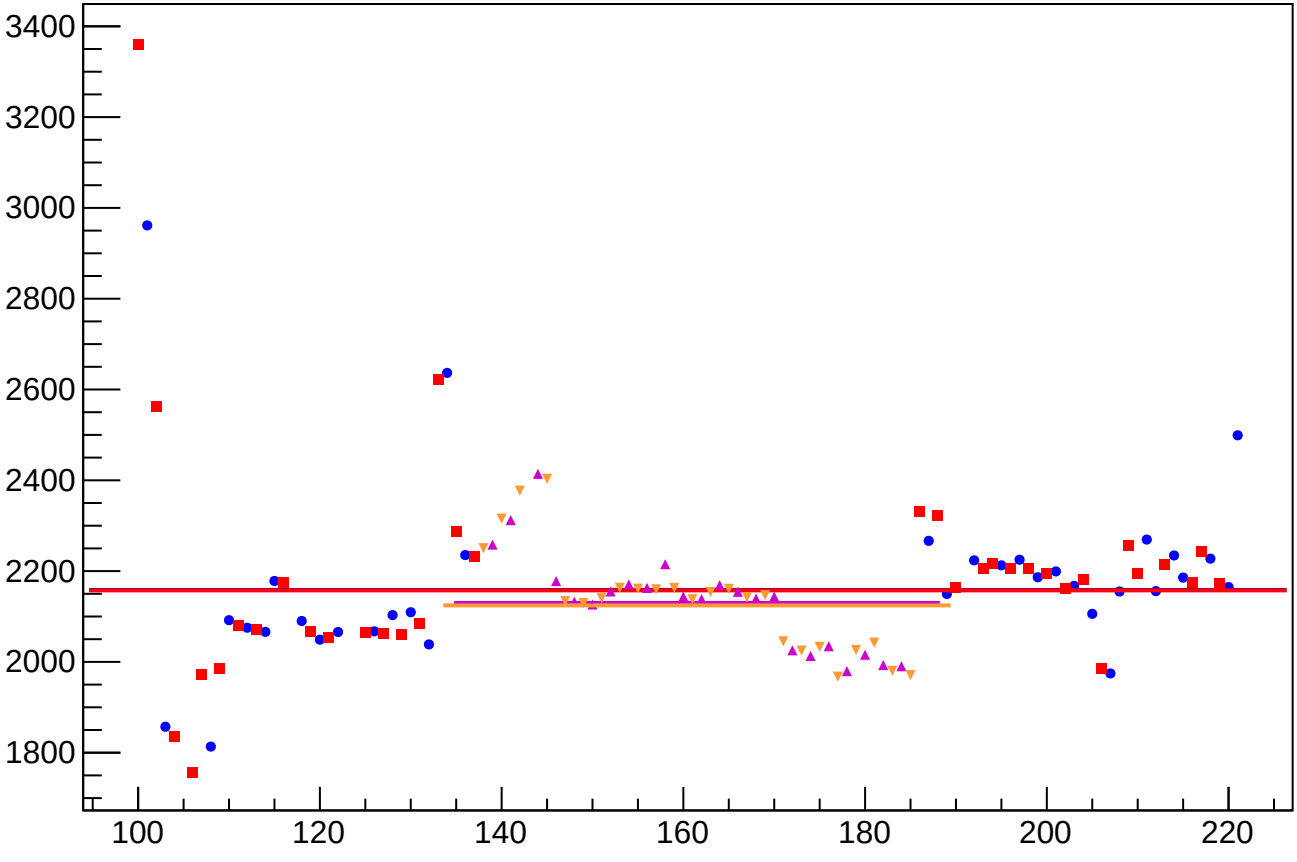
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -866.114+/-339.389 χ^2/NDF: 47.6/57

All: -545.087+/-241.107 χ^2/NDF: 96.3/115

- sign -217.982+/-342.587 χ^2/NDF: 46.9/57

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.467+/-0.330 χ^2/NDF: 241254.5/33

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

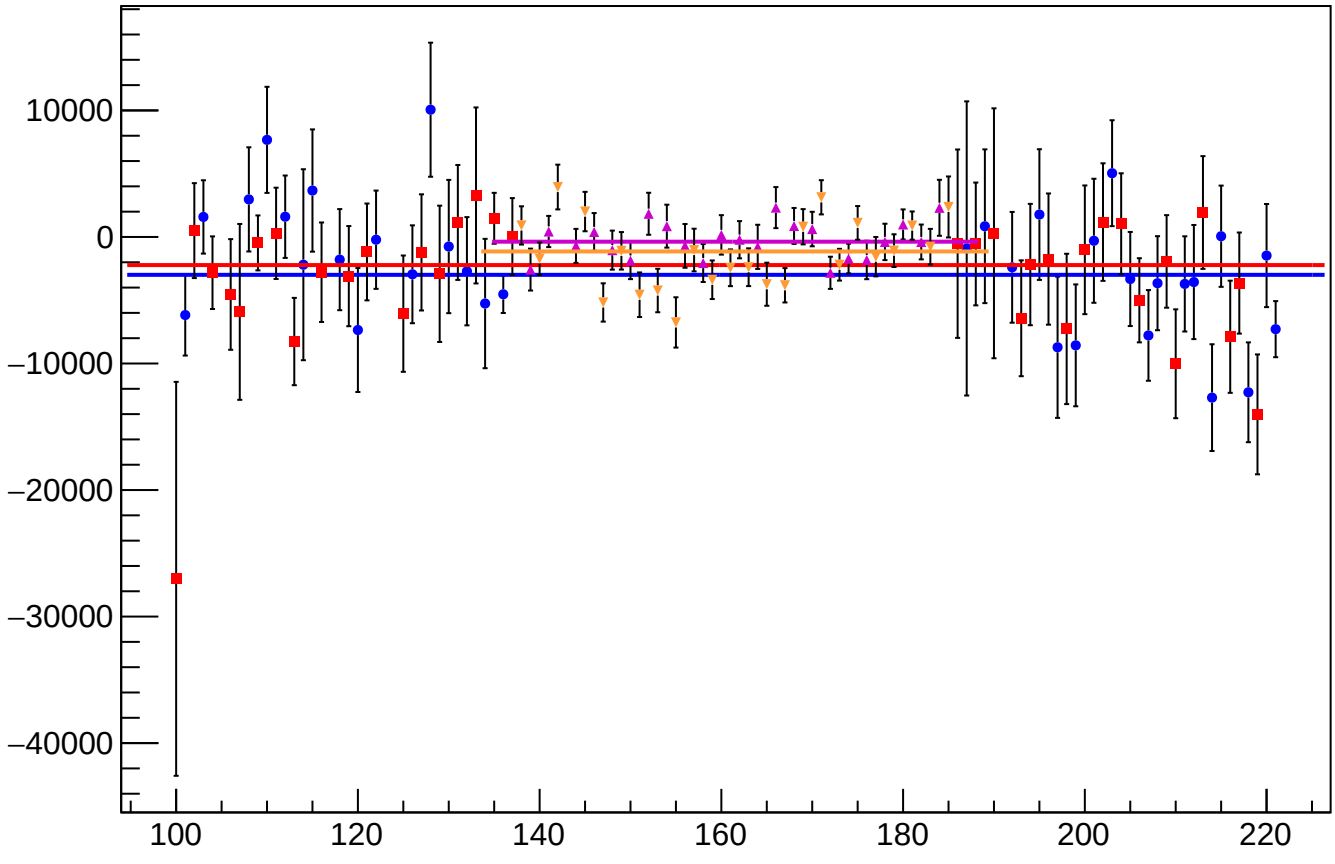
Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2142.384+/-0.240 χ^2/NDF: 335450.2/57

All: 2143.422+/-0.170 χ^2/NDF: 627363.7/115

- sign 2144.479+/-0.242 χ^2/NDF: 291875.7/57



Right In: -2992.259+/-641.156 χ^2/NDF: 49.7/33

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

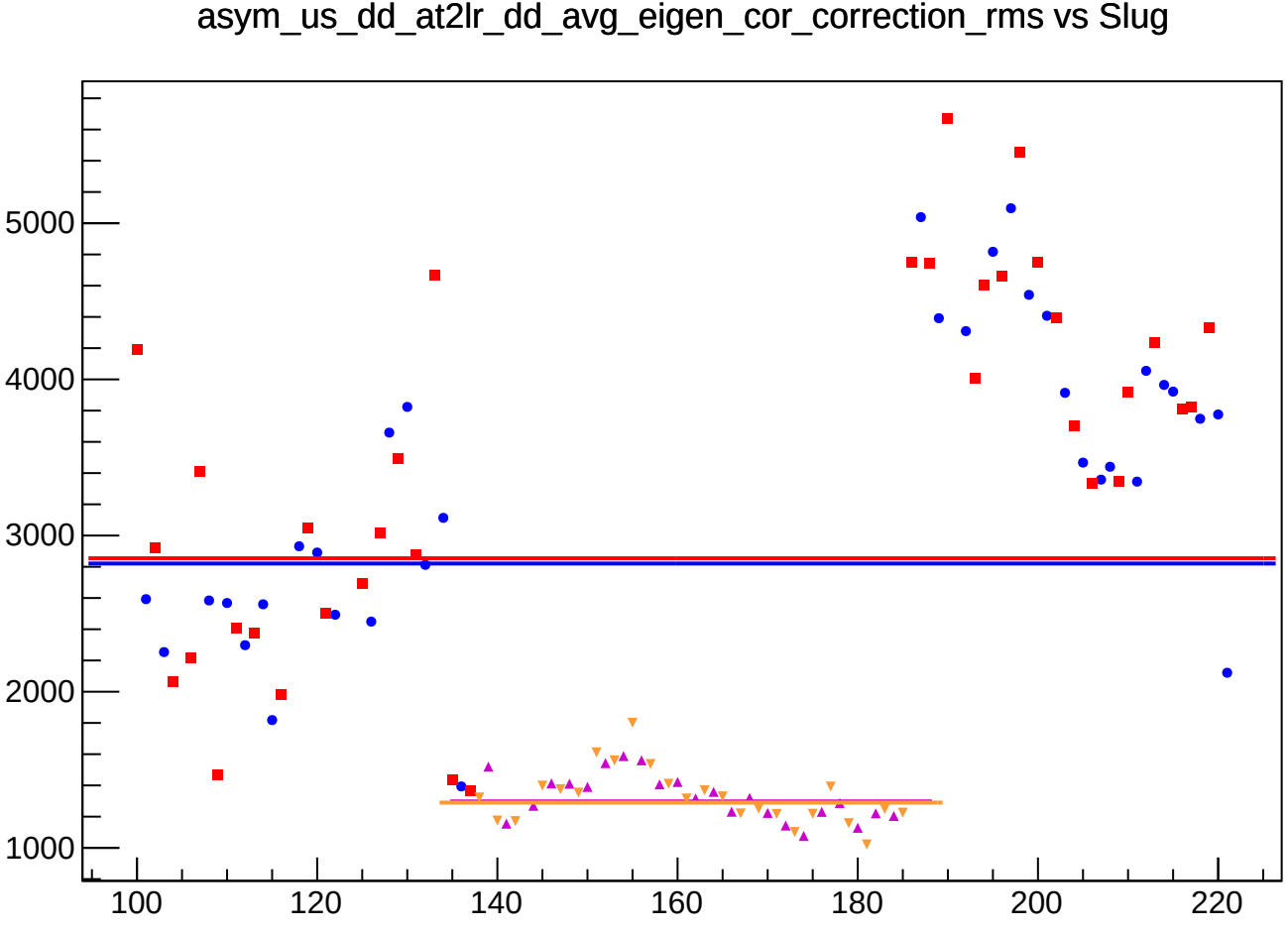
Right Out: -2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1481.133+/-273.572 χ^2/NDF: 124.0/57

All: -1090.922+/-195.063 χ^2/NDF: 184.5/115

- sign -687.379+/-278.207 χ^2/NDF: 56.3/57



Right In: 2820.899+/-0.453 χ^2/NDF: 5000771.5/33

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

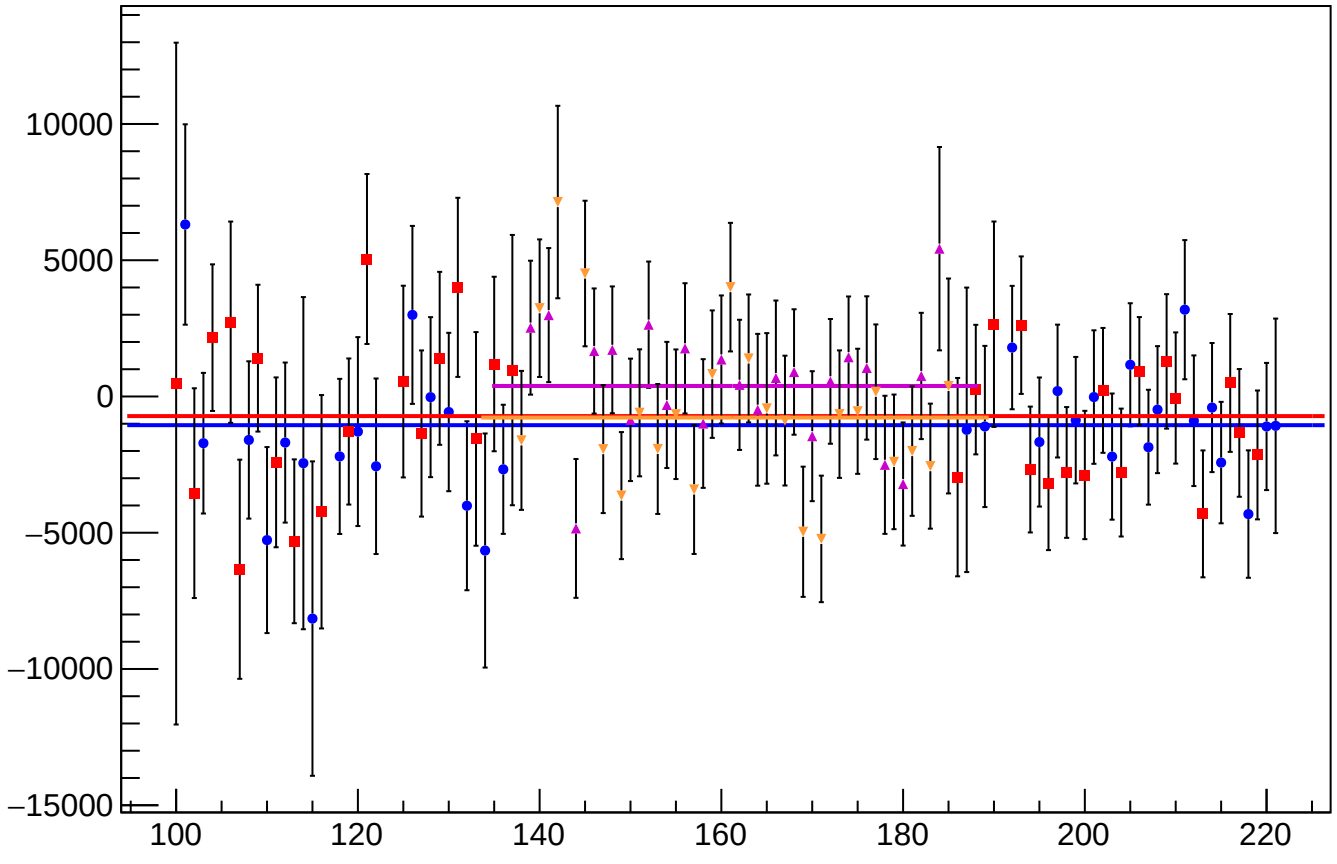
Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1568.750+/-0.193 χ^2/NDF: 14894609.0/57

All: 1565.527+/-0.138 χ^2/NDF: 30037461.8/1

- sign 1562.195+/-0.197 χ^2/NDF: 15142288.3/57



Right In: -1052.992+/-469.051 χ^2/NDF: 20.5/33

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -719.715+/-475.003 χ^2/NDF: 27.0/34

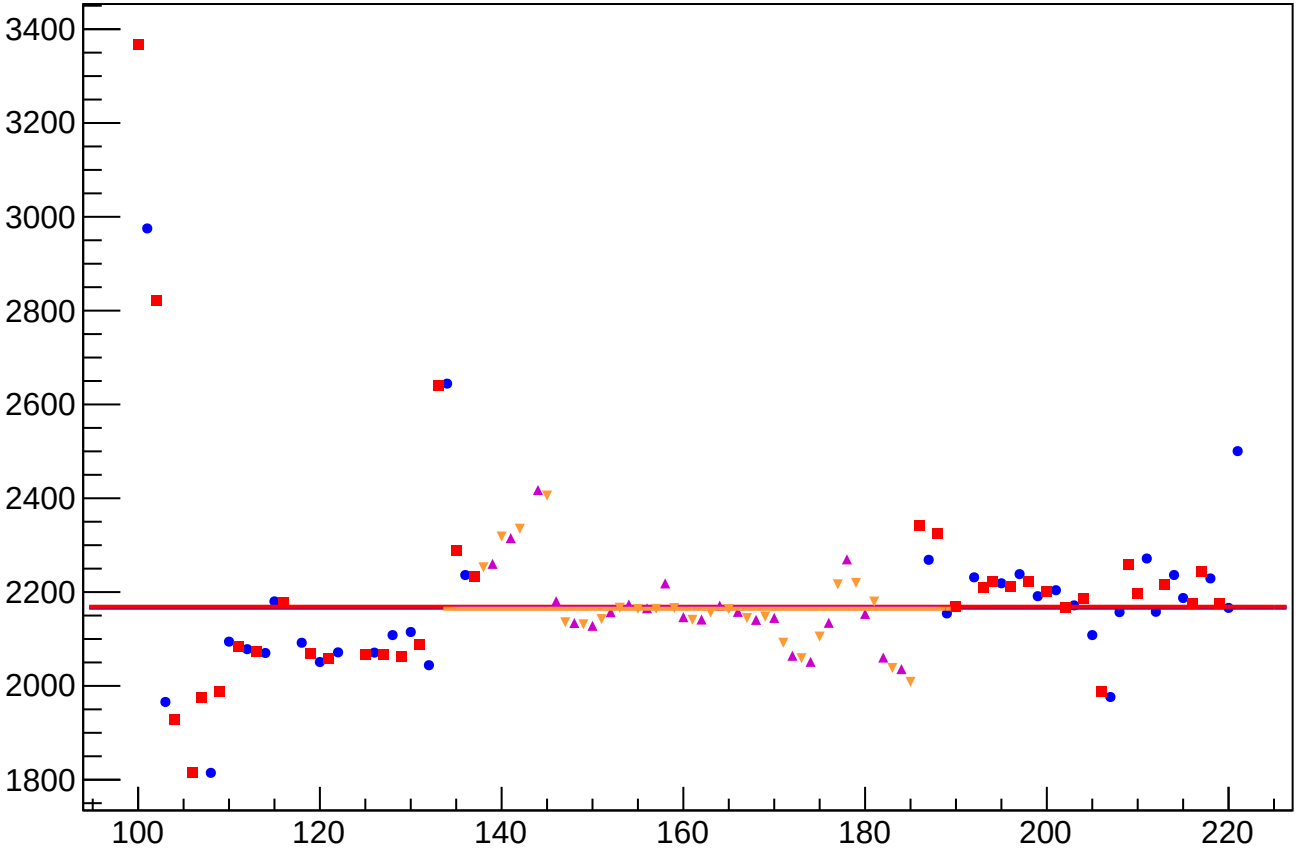
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

\+ sign -922.982+/-342.985 χ^2/NDF: 49.3/57

All: -566.073+/-243.703 χ^2/NDF: 96.6/115

\- sign -202.159+/-346.334 χ^2/NDF: 45.1/57

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2166.799+/-0.332 χ^2/NDF: 224518.3/33

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

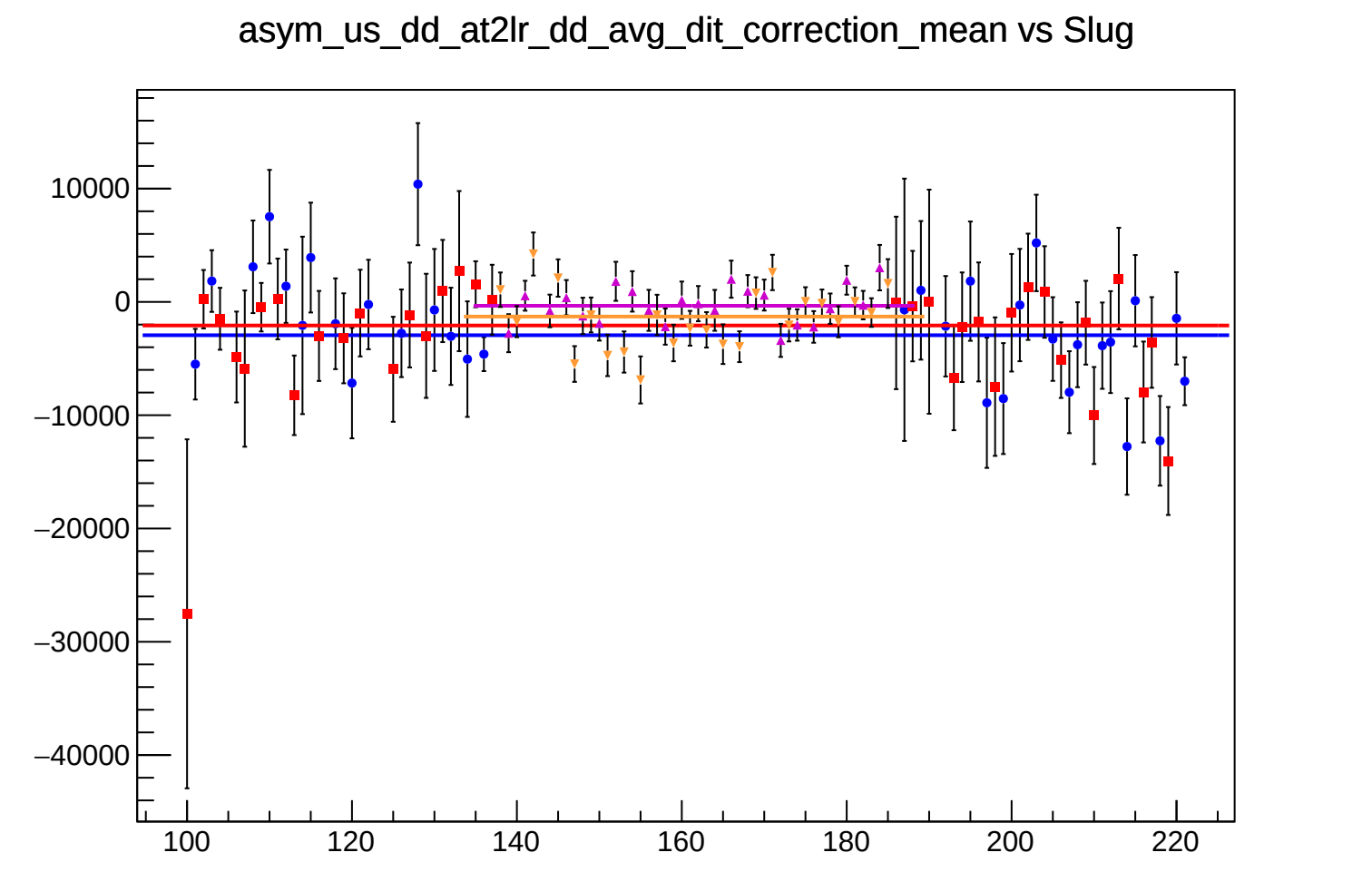
Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.9/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2165.744+/-0.243 χ^2/NDF: 275216.3/57

All: 2166.527+/-0.172 χ^2/NDF: 538609.2/115

- sign 2167.325+/-0.245 χ^2/NDF: 263371.9/57



Right In: -2940.379+/-639.437 χ^2/NDF: 50.1/33

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

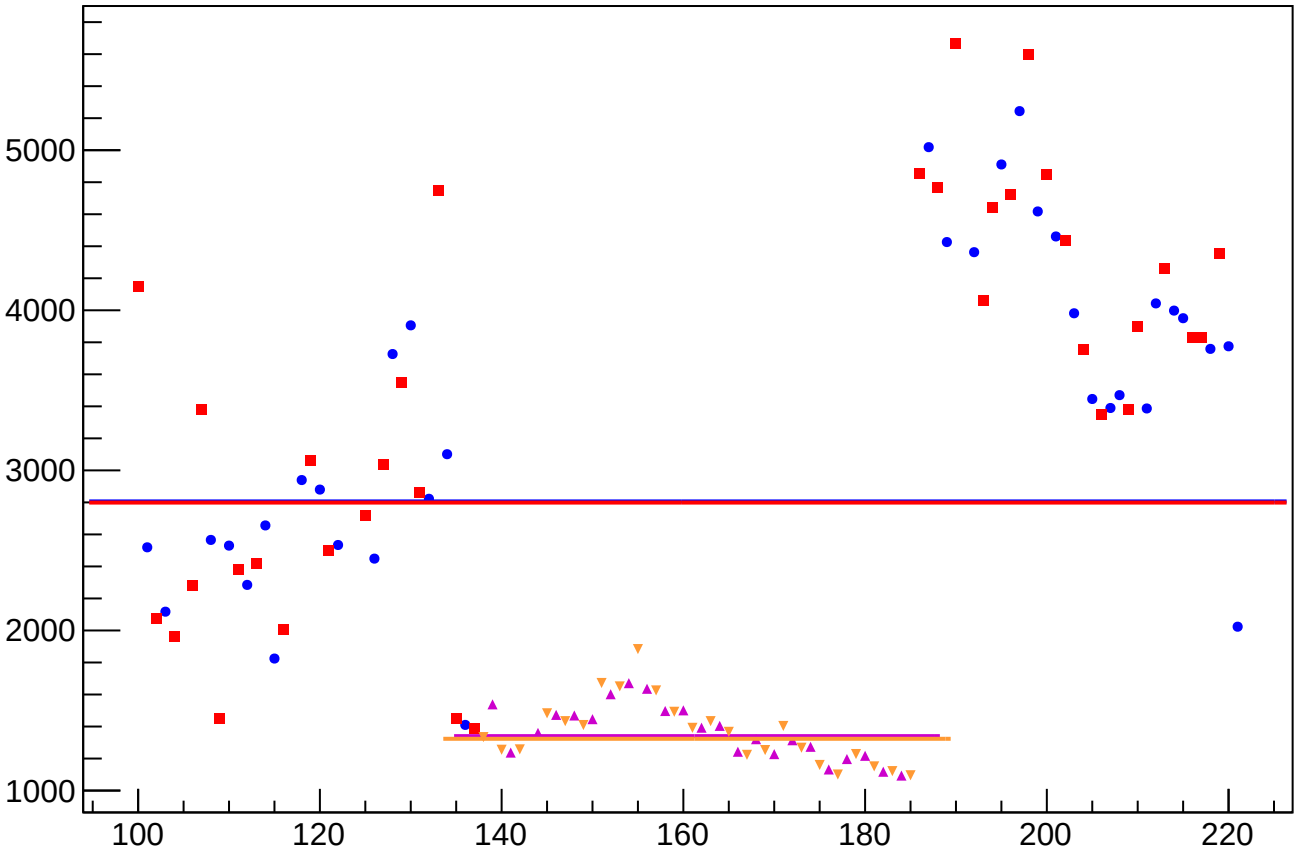
Right Out: -2080.611+/-662.564 χ^2/NDF: 30.6/34

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1608.102+/-279.400 χ^2/NDF: 114.2/57

All: -1144.698+/-199.483 χ^2/NDF: 180.7/115

- sign -662.864+/-284.902 χ^2/NDF: 60.9/57



Right In: 2806.191+/-0.452 χ^2/NDF: 5191596.3/33

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

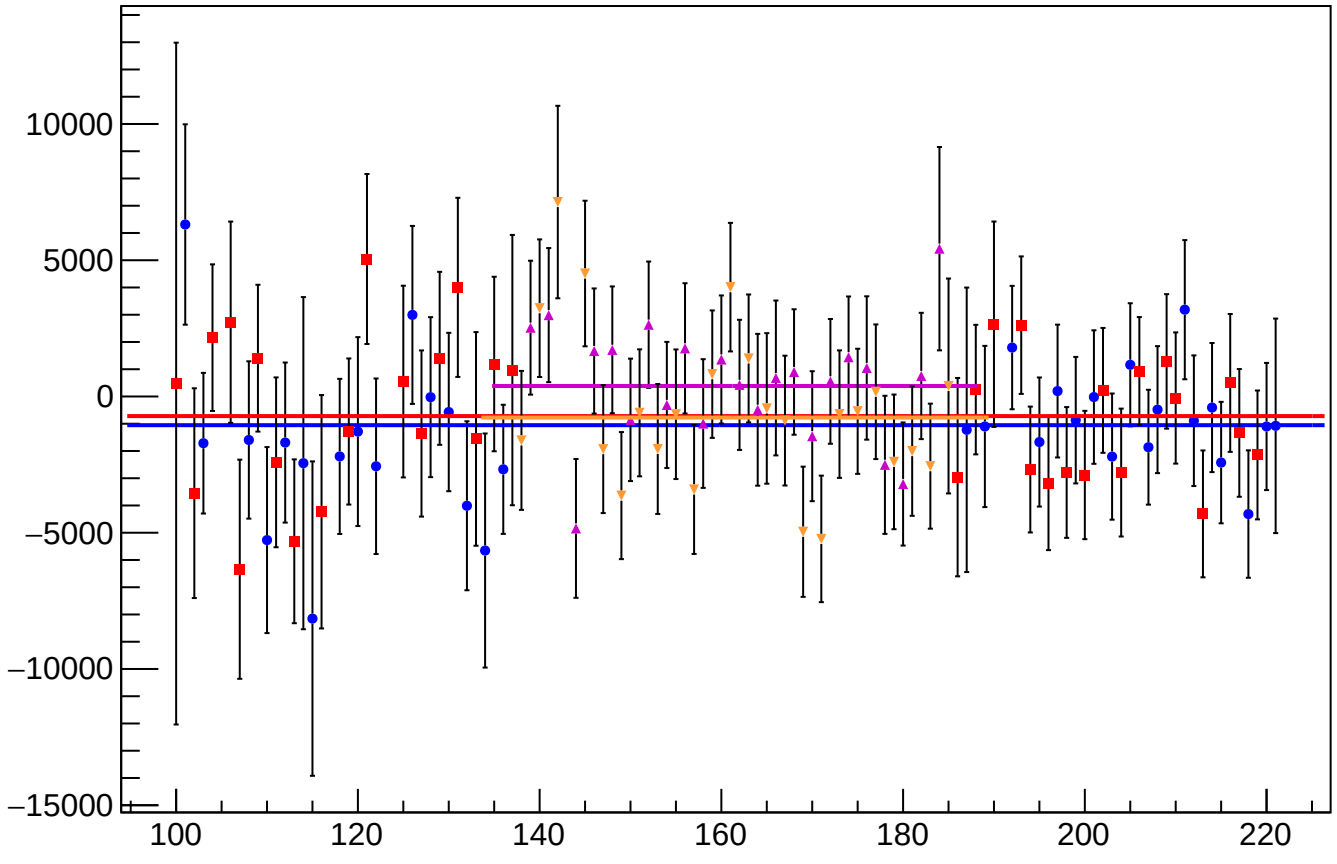
Right Out: 2798.905+/-0.469 χ^2/NDF: 6185567.7/34

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1606.501+/-0.198 χ^2/NDF: 14556735.7/57

All: 1608.128+/-0.141 χ^2/NDF: 29139656.5/1

- sign 1609.820+/-0.201 χ^2/NDF: 14582782.5/57



Right In: -1052.984+/-469.051 χ^2/NDF: 20.5/33

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -719.707+/-475.003 χ^2/NDF: 27.0/34

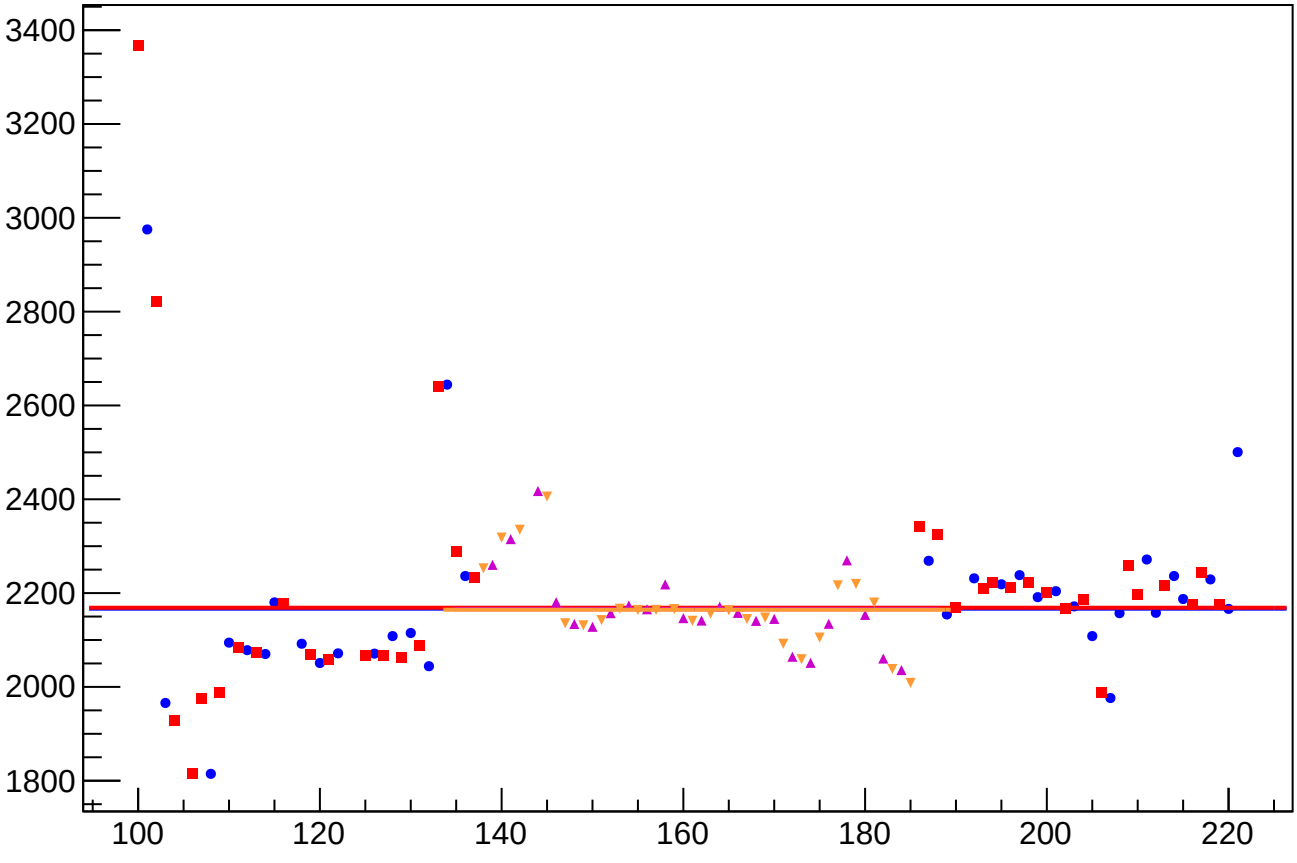
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -922.976+/-342.985 χ^2/NDF: 49.3/57

All: -566.068+/-243.703 χ^2/NDF: 96.6/115

- sign -202.156+/-346.334 χ^2/NDF: 45.1/57

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2166.799+/-0.332 χ^2/NDF: 224518.2/33

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

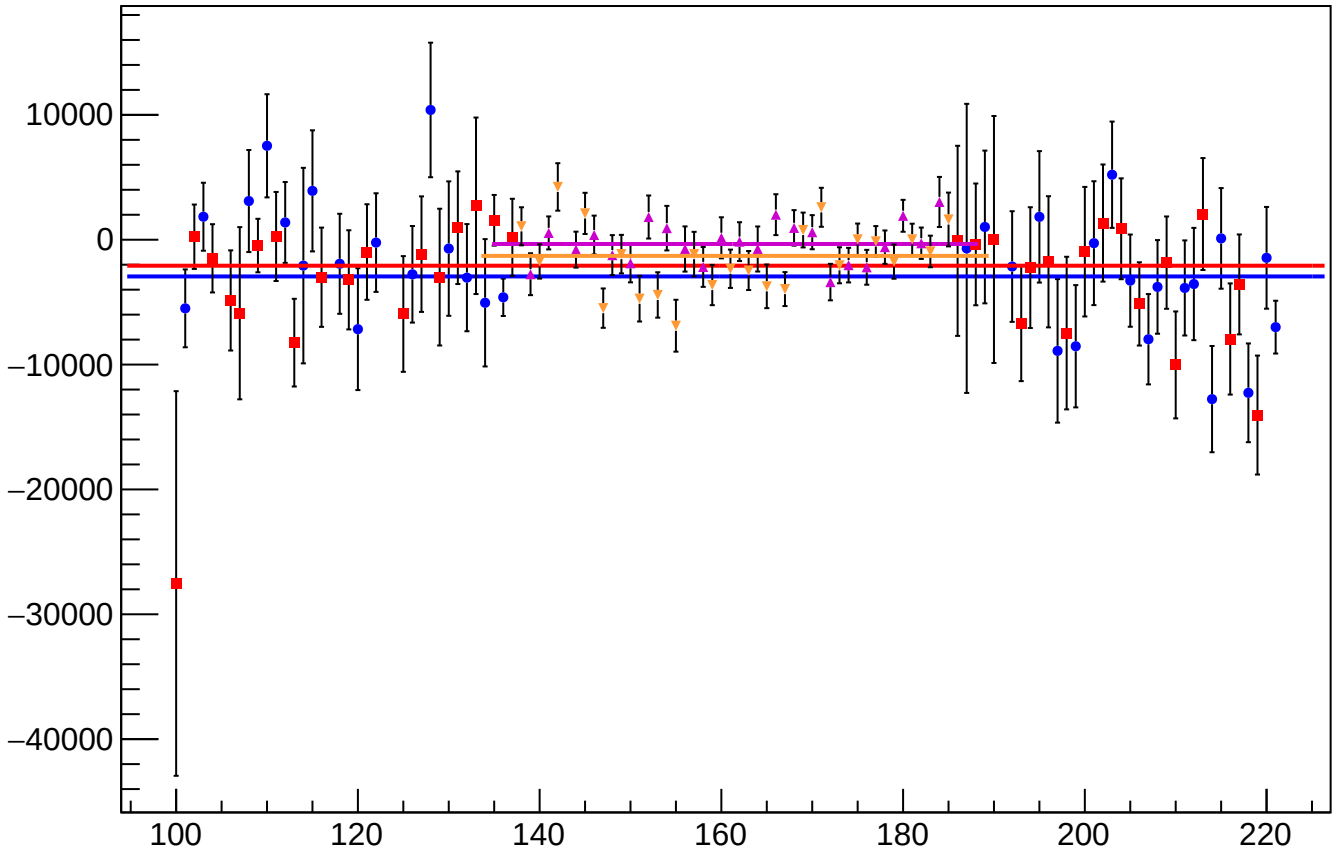
Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.8/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2165.744+/-0.243 χ^2/NDF: 275216.3/57

All: 2166.527+/-0.172 χ^2/NDF: 538609.2/115

- sign 2167.325+/-0.245 χ^2/NDF: 263371.8/57



Right In: -2940.377+/-639.438 χ^2/NDF: 50.1/33

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

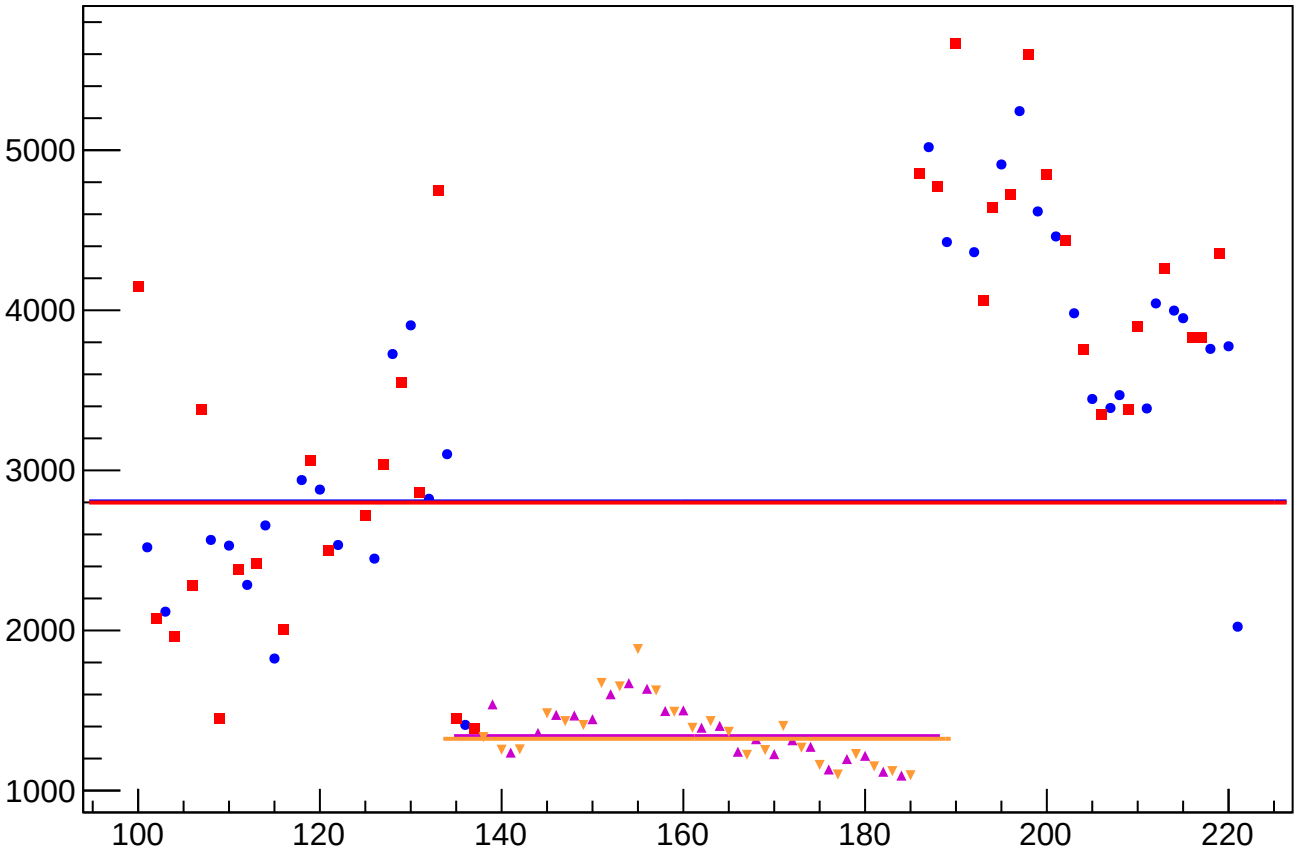
Right Out: -2080.623+/-662.566 χ^2/NDF: 30.6/34

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1608.101+/-279.400 χ^2/NDF: 114.2/57

All: -1144.697+/-199.483 χ^2/NDF: 180.7/115

- sign -662.862+/-284.902 χ^2/NDF: 60.9/57



Right In: 2806.199+/-0.452 χ^2/NDF: 5191483.3/33

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2798.917+/-0.469 χ^2/NDF: 6185462.1/34

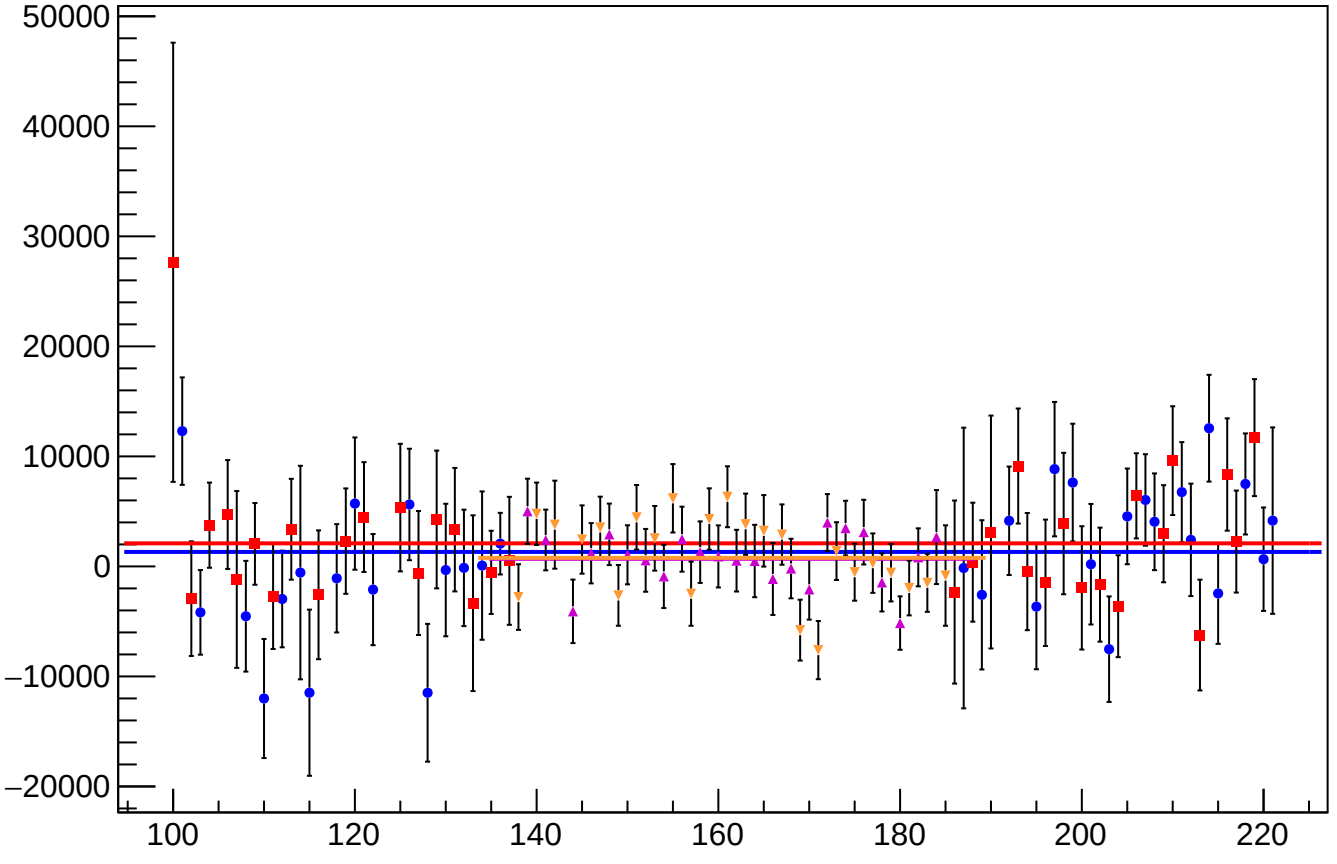
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

\+ sign 1606.502+/-0.198 χ^2/NDF: 14556700.1/57

All: 1608.128+/-0.141 χ^2/NDF: 29139635.4/1

\- sign 1609.819+/-0.201 χ^2/NDF: 14582797.1/57

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1315.775+/-866.211 χ^2/NDF: 44.2/33

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 2097.505+/-879.966 χ^2/NDF: 23.5/34

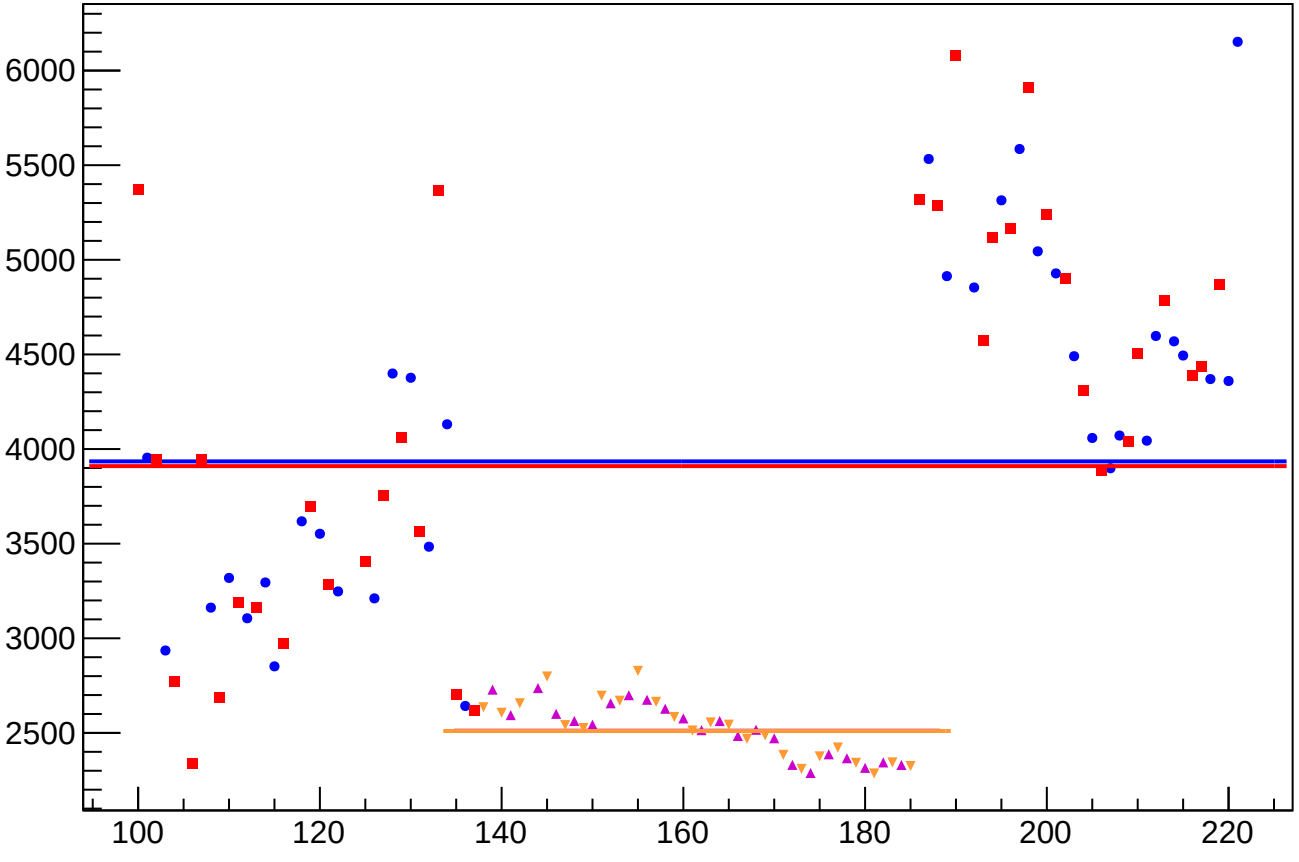
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 943.724+/-484.052 χ^2/NDF: 83.8/57

All: 1032.960+/-343.863 χ^2/NDF: 127.5/115

- sign 1123.869+/-488.570 χ^2/NDF: 43.6/57

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3934.772+/-0.613 χ^2/NDF: 1746197.0/33

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

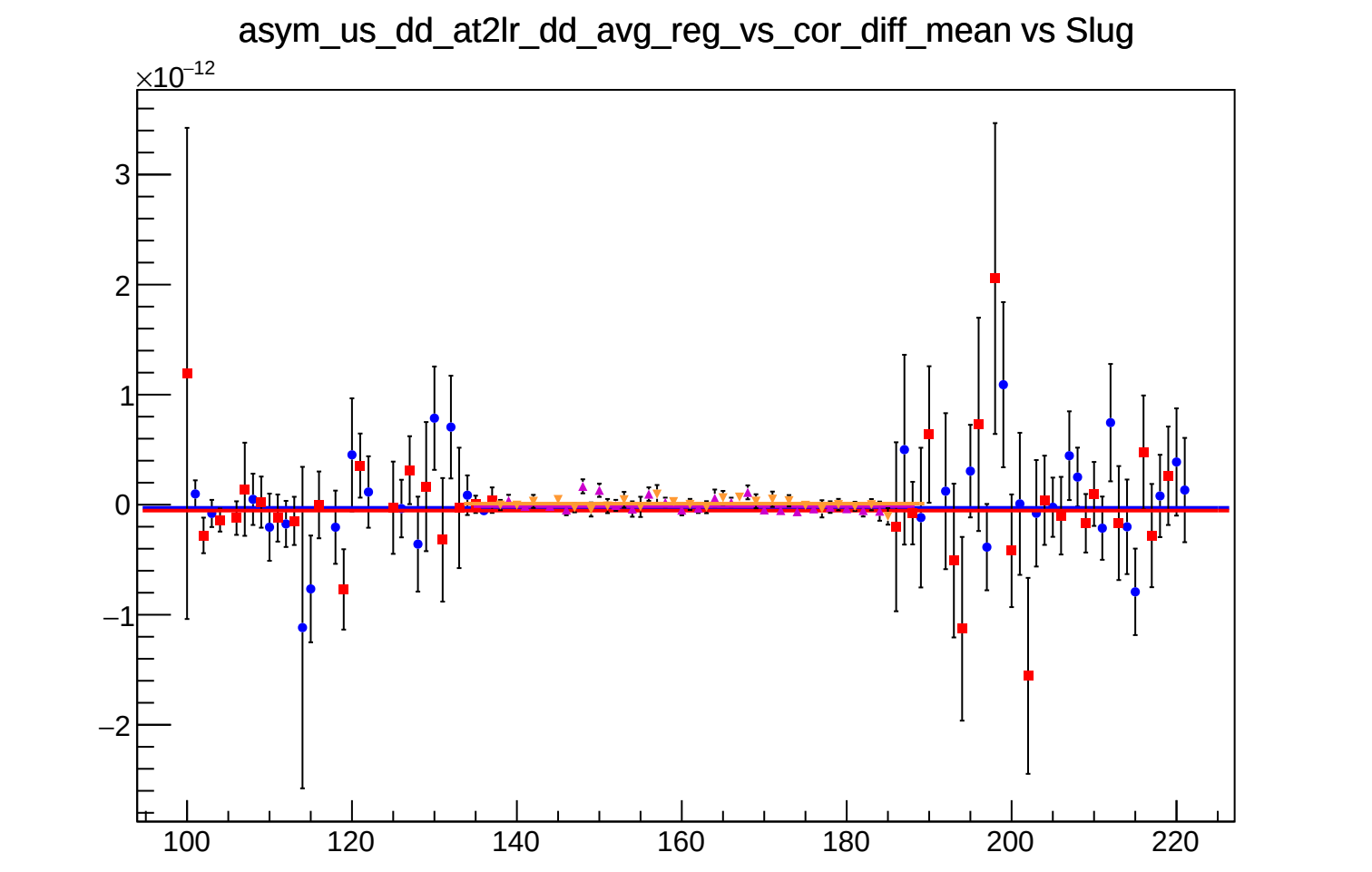
Right Out: 3909.722+/-0.622 χ^2/NDF: 2280879.0/34

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2954.969+/-0.342 χ^2/NDF: 5595742.4/57

All: 2948.844+/-0.243 χ^2/NDF: 11483171.0/1

- sign 2942.604+/-0.345 χ^2/NDF: 5886782.0/57


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
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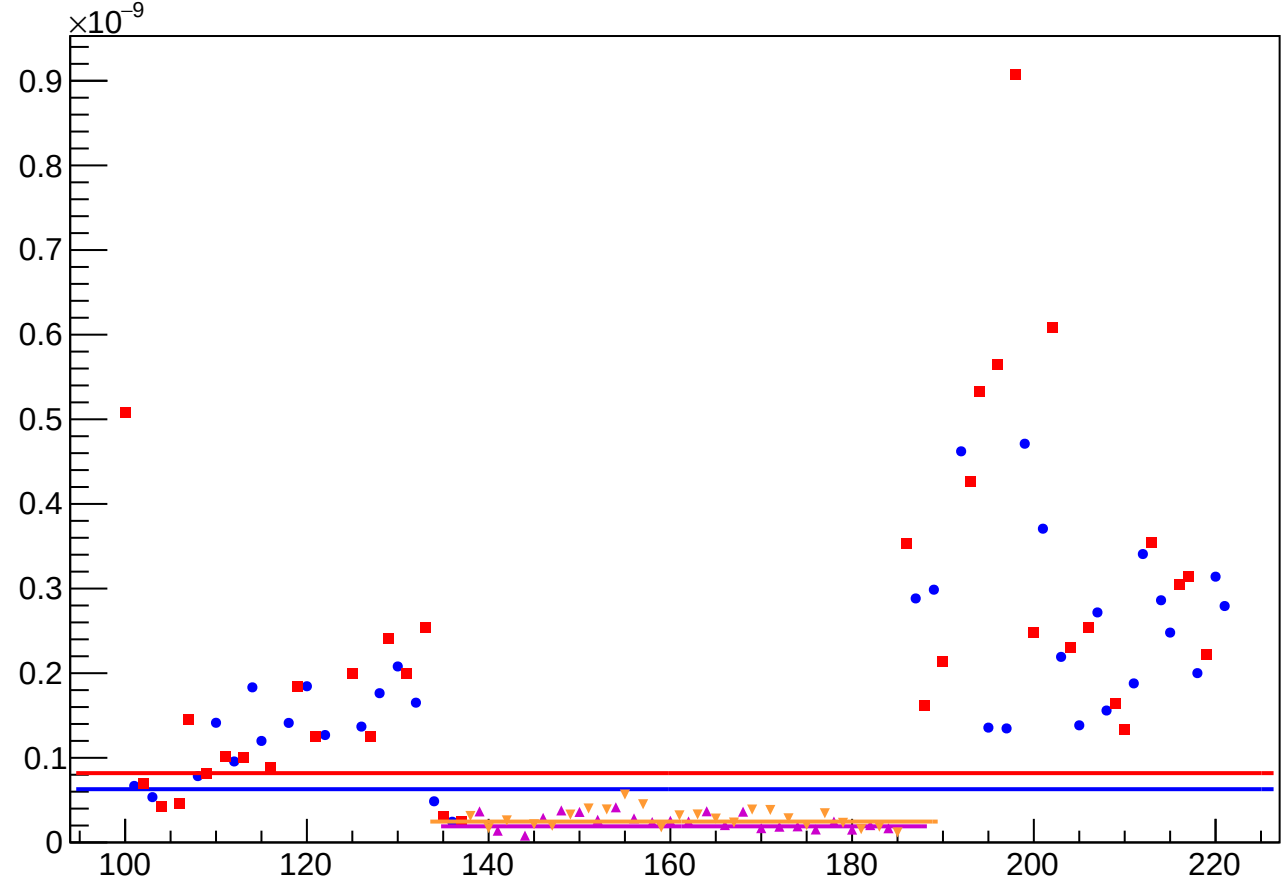
Right In: -0.000+/-0.000 χ²/NDF: 27.2/33
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.5/34
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 40.6/57
All: -0.000+/-0.000 χ²/NDF: 99.9/115
- sign -0.000+/-0.000 χ²/NDF: 56.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 9336465.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

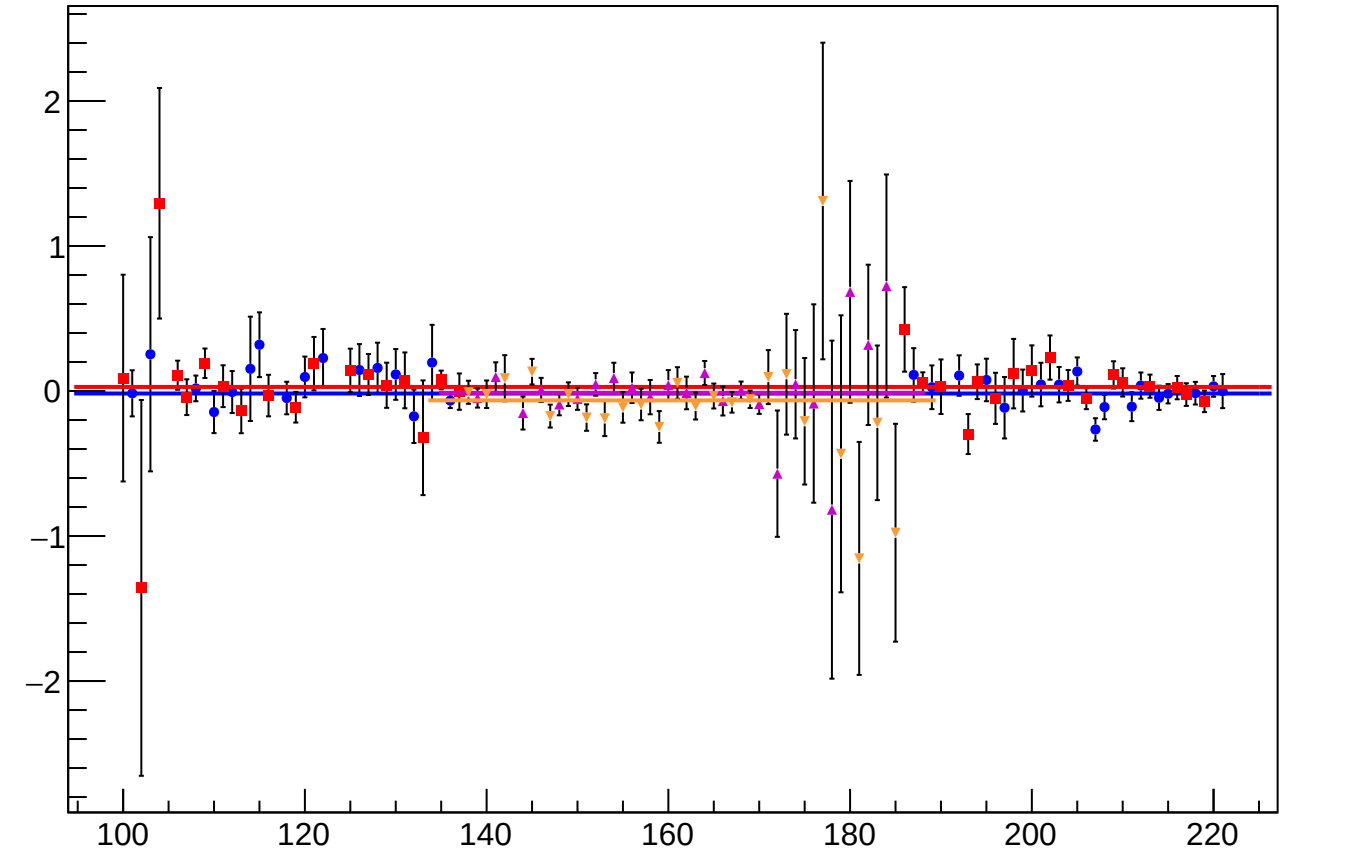
Right Out: 0.000+/-0.000 χ^2/NDF: 8984943.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13291812.8/57

All: 0.000+/-0.000 χ^2/NDF: 29614259.1/115

- sign 0.000+/-0.000 χ^2/NDF: 15835559.4/57



Right In: -0.017+/-0.019 χ^2/NDF: 28.6/33

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

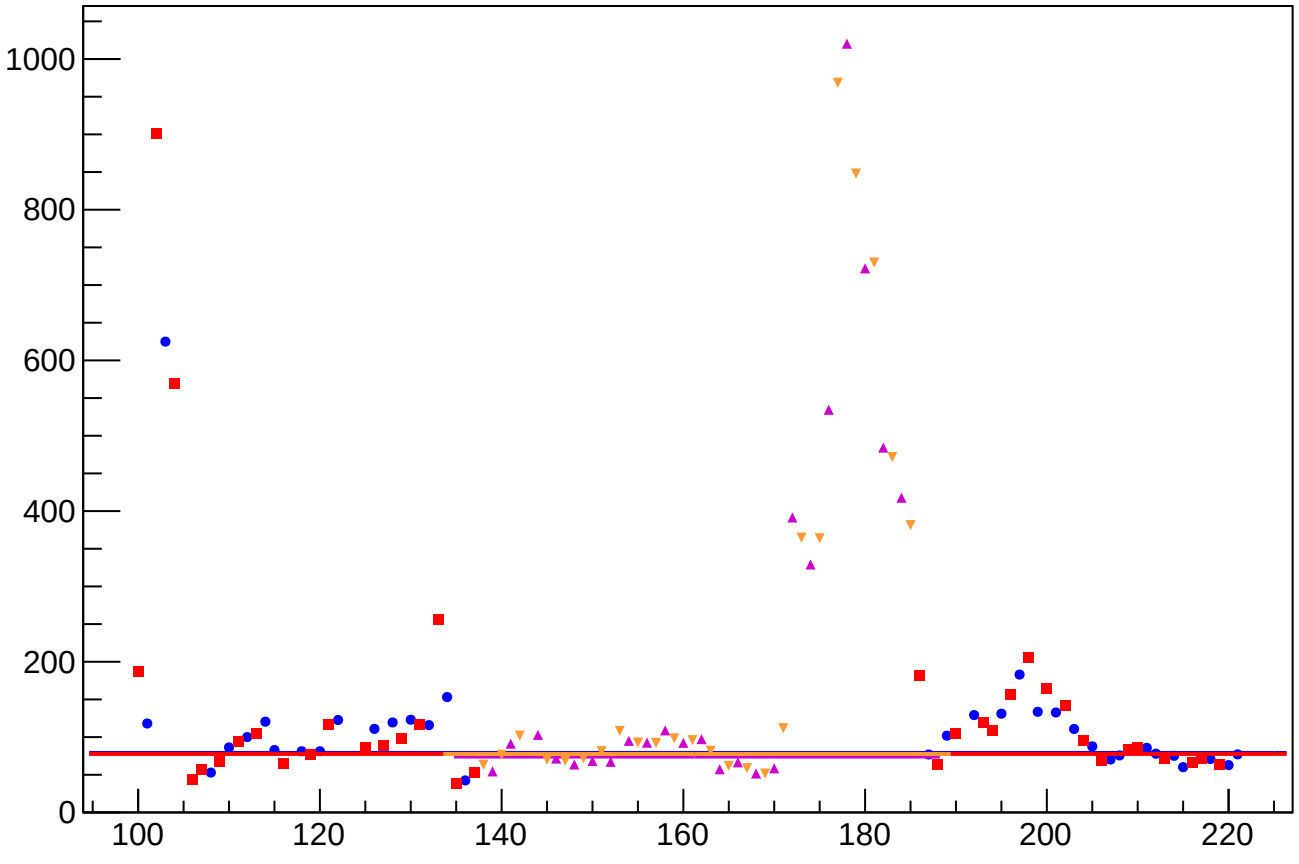
Right Out: 0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.037+/-0.014 χ^2/NDF: 53.5/57

All: -0.014+/-0.010 χ^2/NDF: 103.9/115

- sign 0.009+/-0.014 χ^2/NDF: 45.1/57



Right In: 78.991+/-0.013 χ^2/NDF: 4977171.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

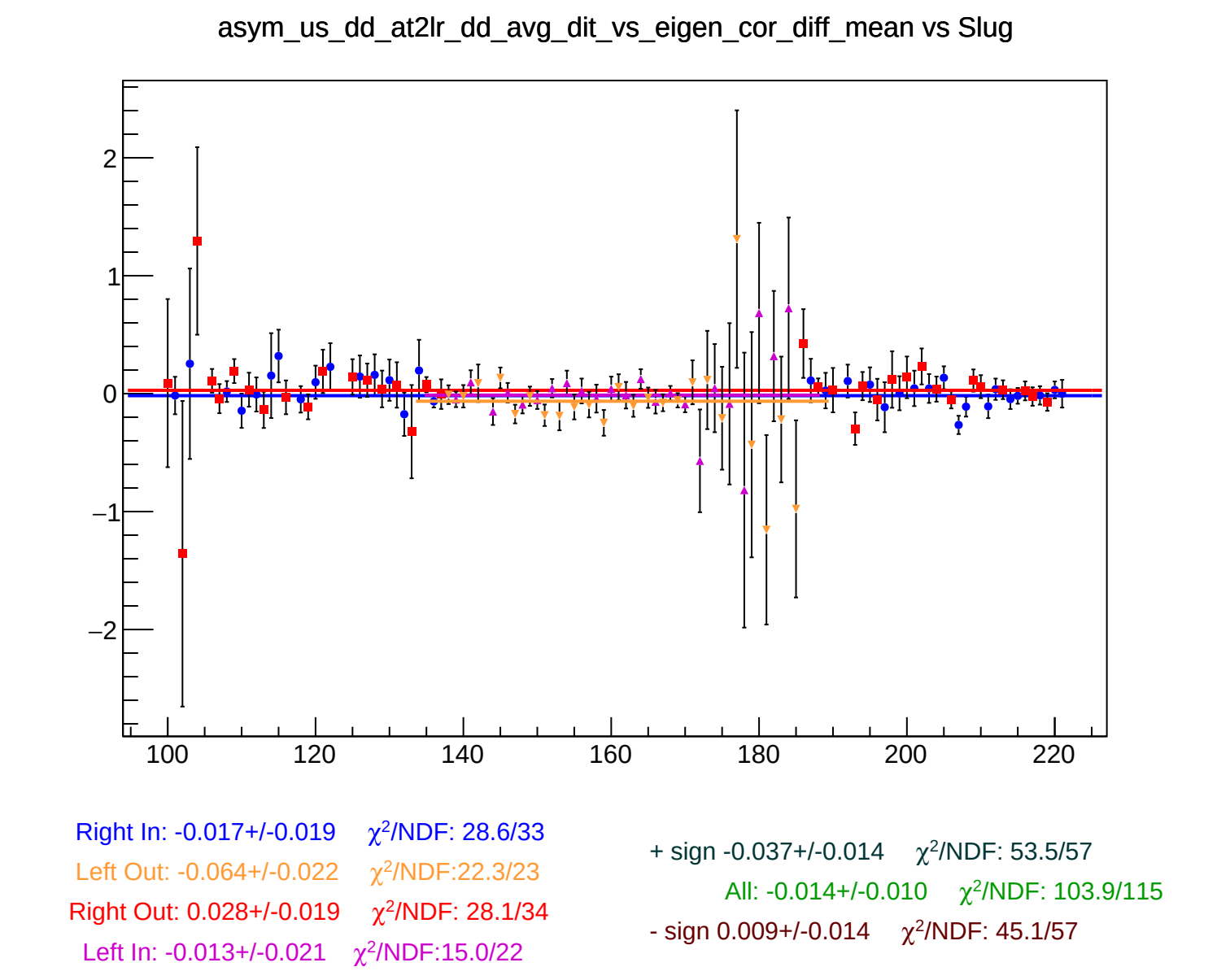
Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.369+/-0.010 χ^2/NDF: 13313354.3/57

All: 77.228+/-0.007 χ^2/NDF: 28110445.0/115

- sign 76.106+/-0.010 χ^2/NDF: 14772296.0/57


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
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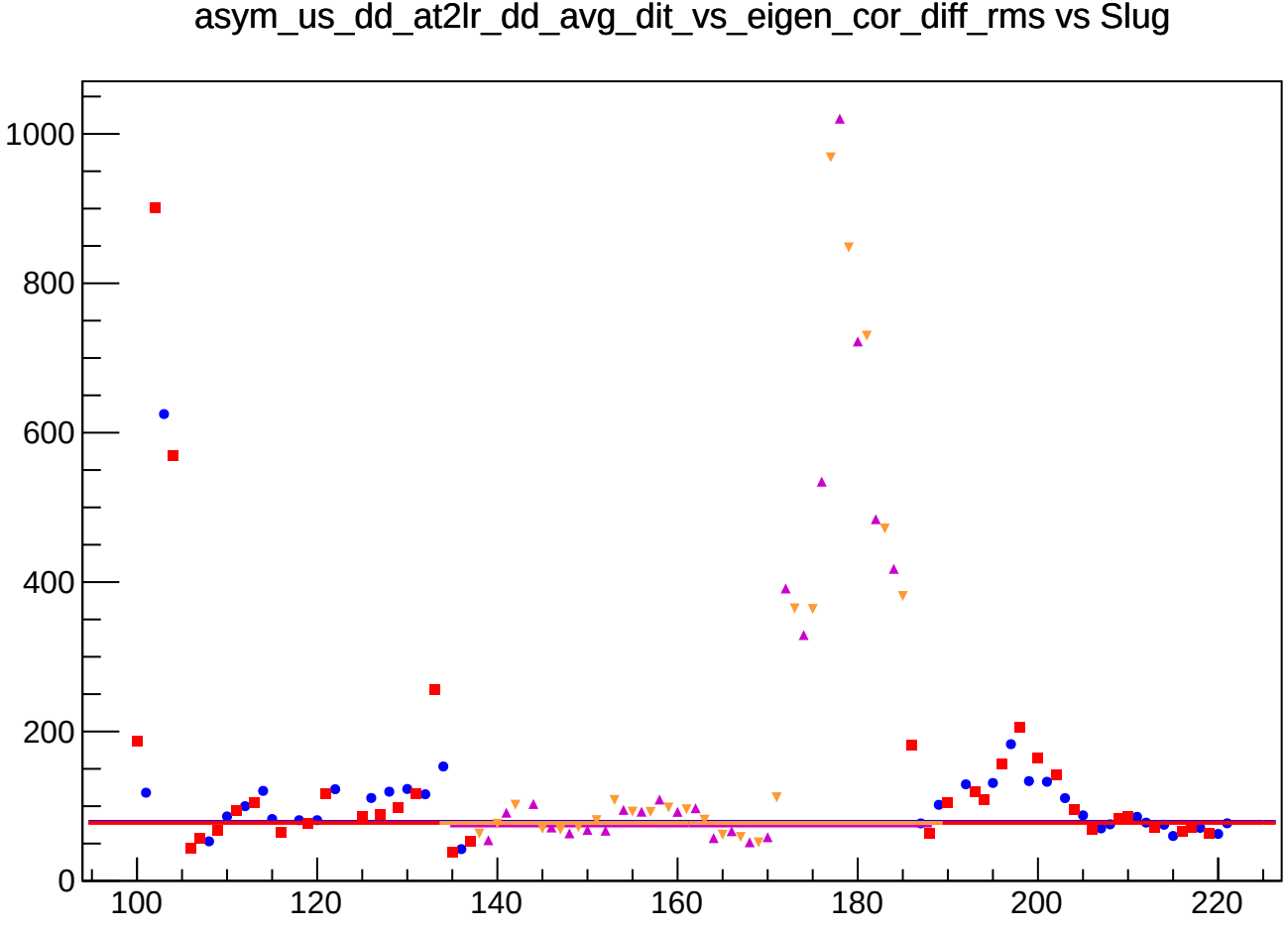
Right In: -0.017+/-0.019 χ²/NDF: 28.6/33
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.028+/-0.019 χ²/NDF: 28.1/34
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.014 χ²/NDF: 53.5/57
All: -0.014+/-0.010 χ²/NDF: 103.9/115
- sign 0.009+/-0.014 χ²/NDF: 45.1/57



Right In: 78.991+/-0.013 χ^2/NDF: 4977171.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

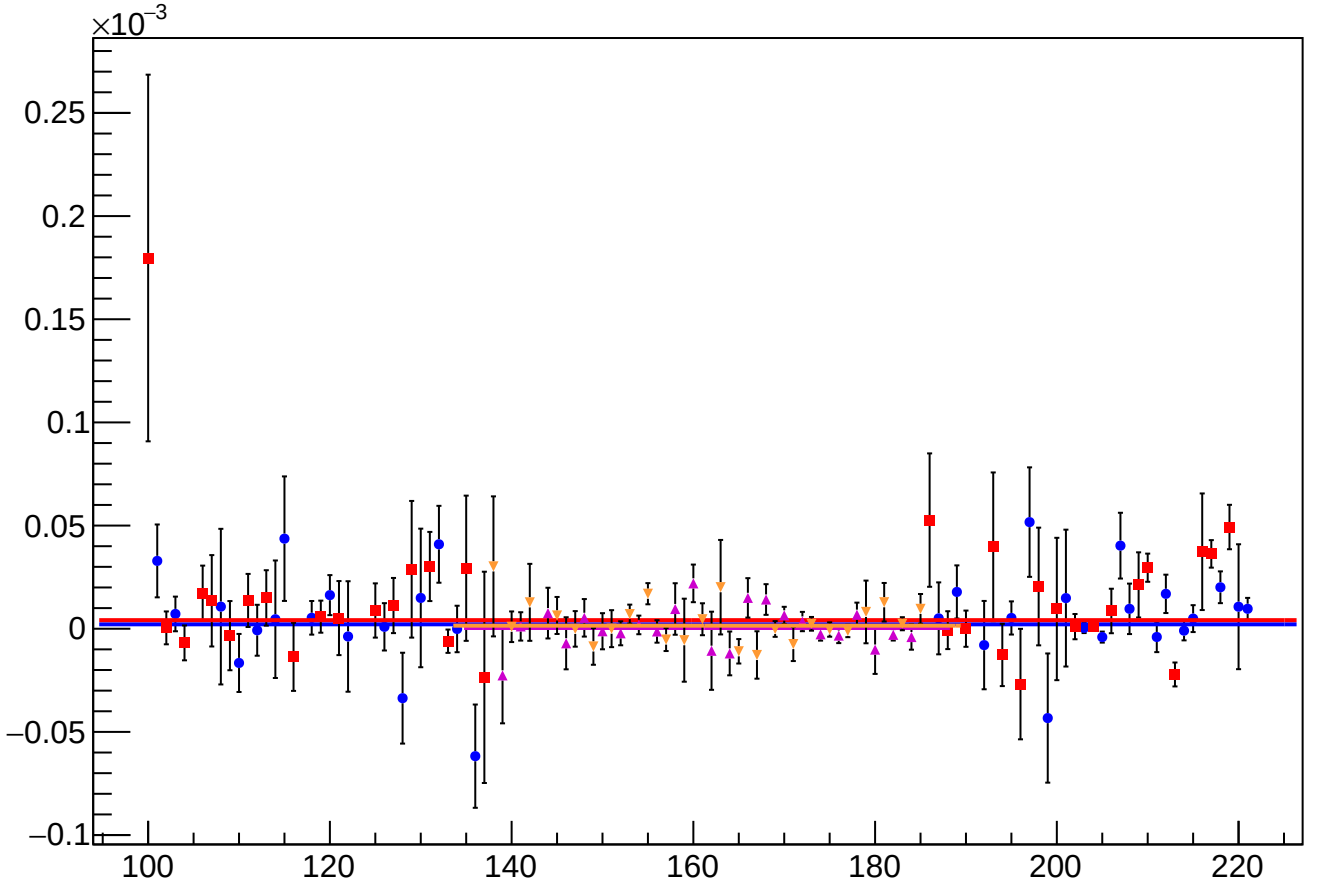
Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.369+/-0.010 χ^2/NDF: 13313354.3/57

All: 77.228+/-0.007 χ^2/NDF: 28110445.0/115

- sign 76.106+/-0.010 χ^2/NDF: 14772296.0/57



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

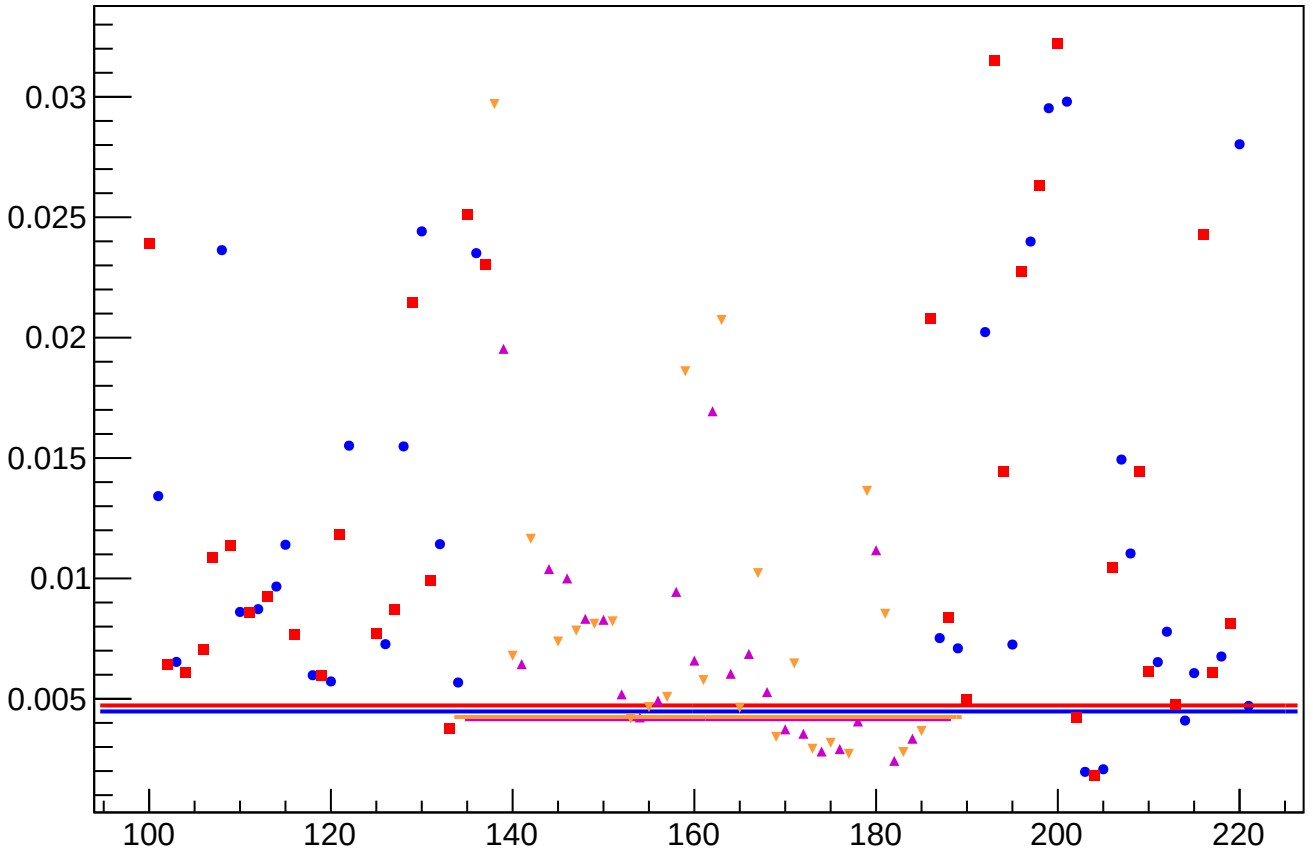
Right Out: 0.000+/-0.000 χ^2/NDF: 103.7/34

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/57

All: 0.000+/-0.000 χ^2/NDF: 213.9/115

- sign 0.000+/-0.000 χ^2/NDF: 132.6/57



Right In: 0.004+/-0.000 χ^2/NDF: 16960258.1/33

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

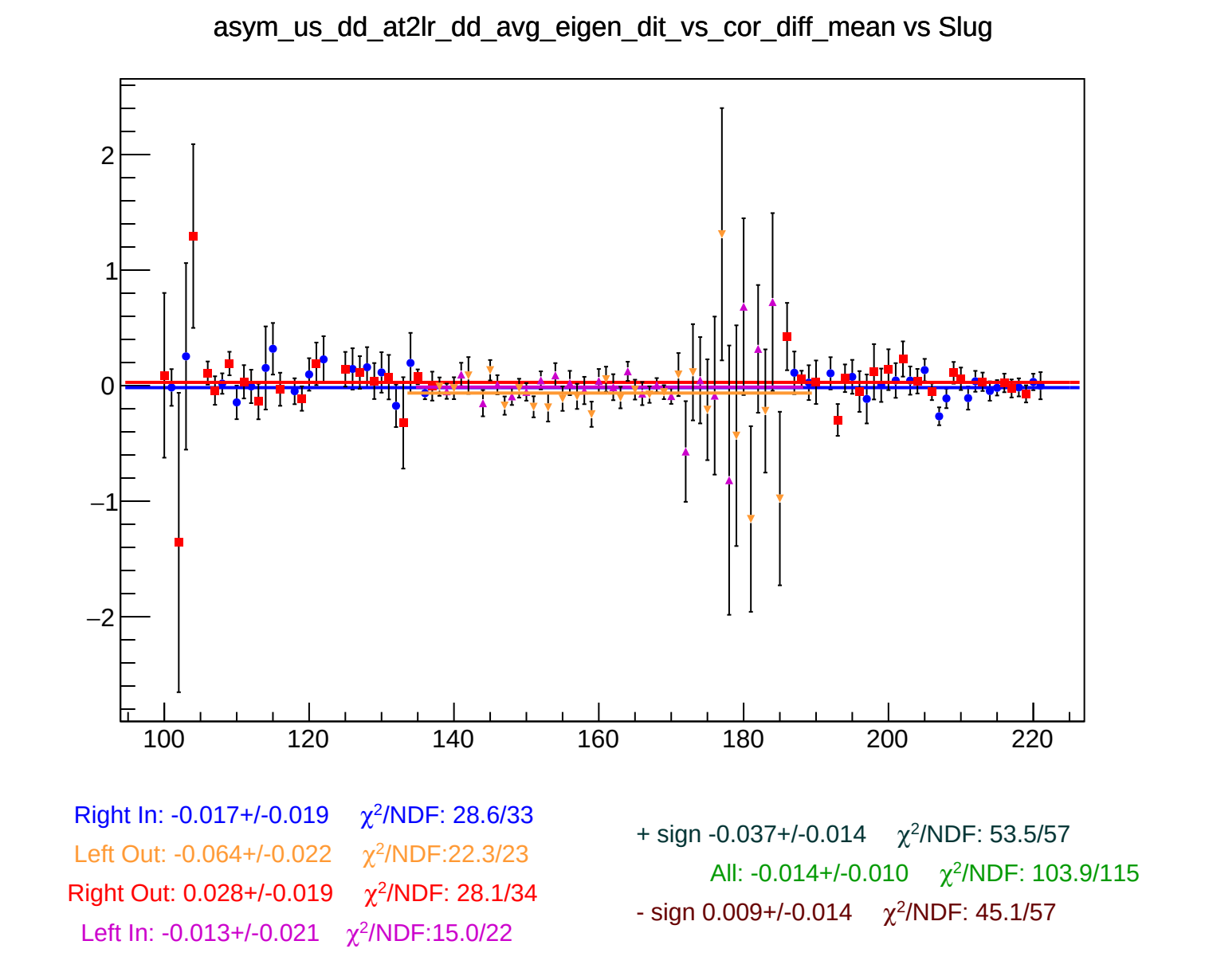
Right Out: 0.005+/-0.000 χ^2/NDF: 16137553.5/34

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 25645859.7/57

All: 0.004+/-0.000 χ^2/NDF: 48866439.5/115

- sign 0.004+/-0.000 χ^2/NDF: 23217912.6/57


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
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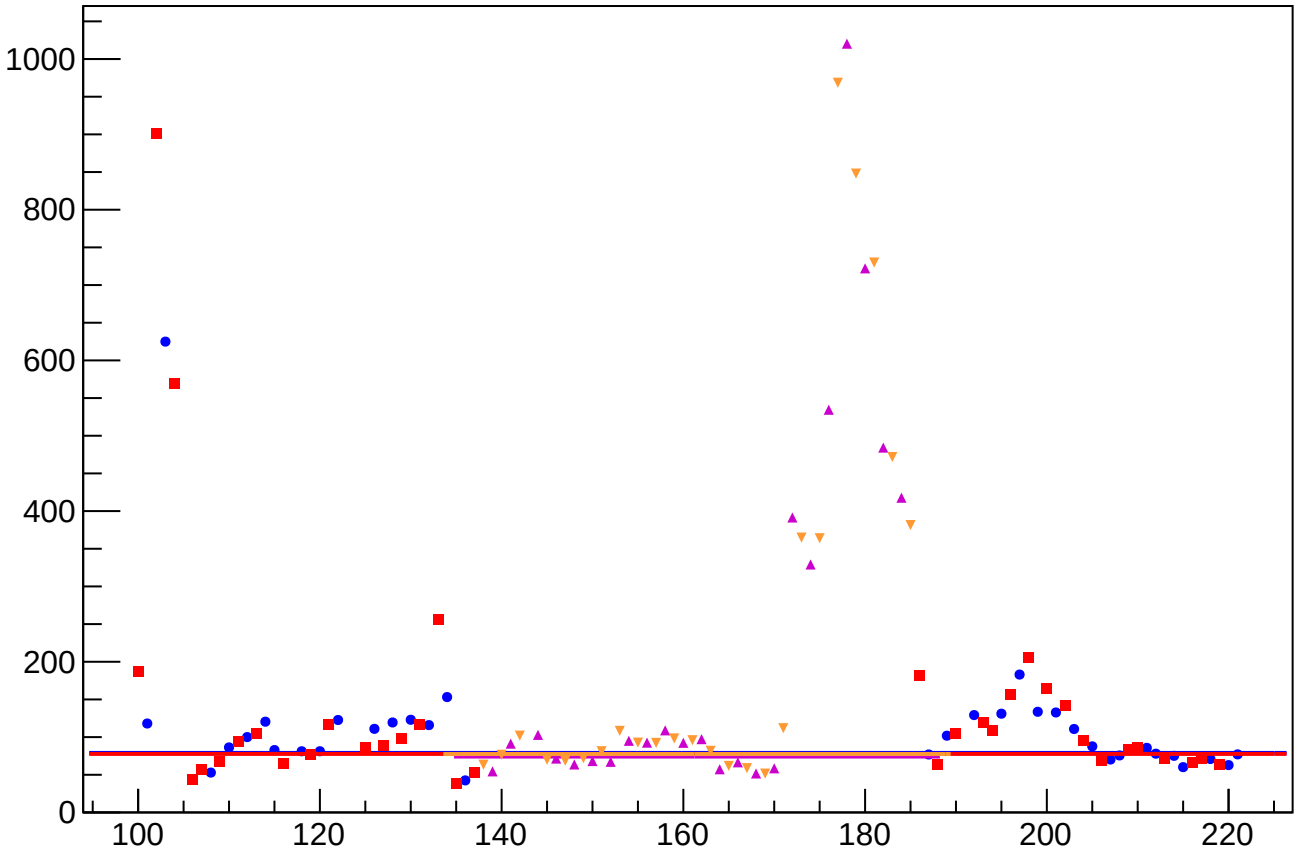
Right In: -0.017+/-0.019 χ²/NDF: 28.6/33
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.028+/-0.019 χ²/NDF: 28.1/34
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.014 χ²/NDF: 53.5/57
All: -0.014+/-0.010 χ²/NDF: 103.9/115
- sign 0.009+/-0.014 χ²/NDF: 45.1/57



Right In: 79.000+/-0.013 χ^2/NDF: 4974336.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

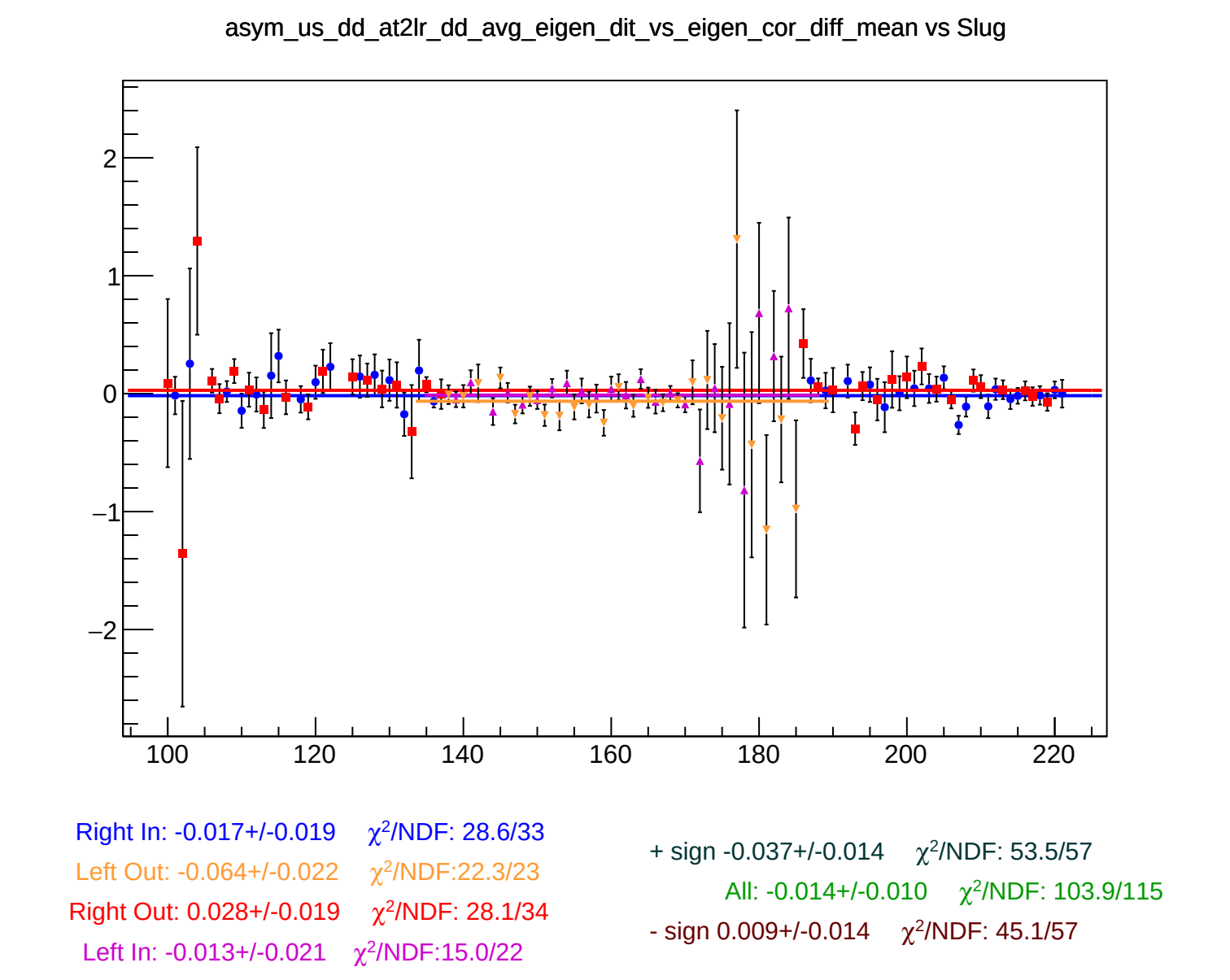
Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.374+/-0.010 χ^2/NDF: 13310496.4/57

All: 77.230+/-0.007 χ^2/NDF: 28108773.8/115

- sign 76.104+/-0.010 χ^2/NDF: 14773335.4/57


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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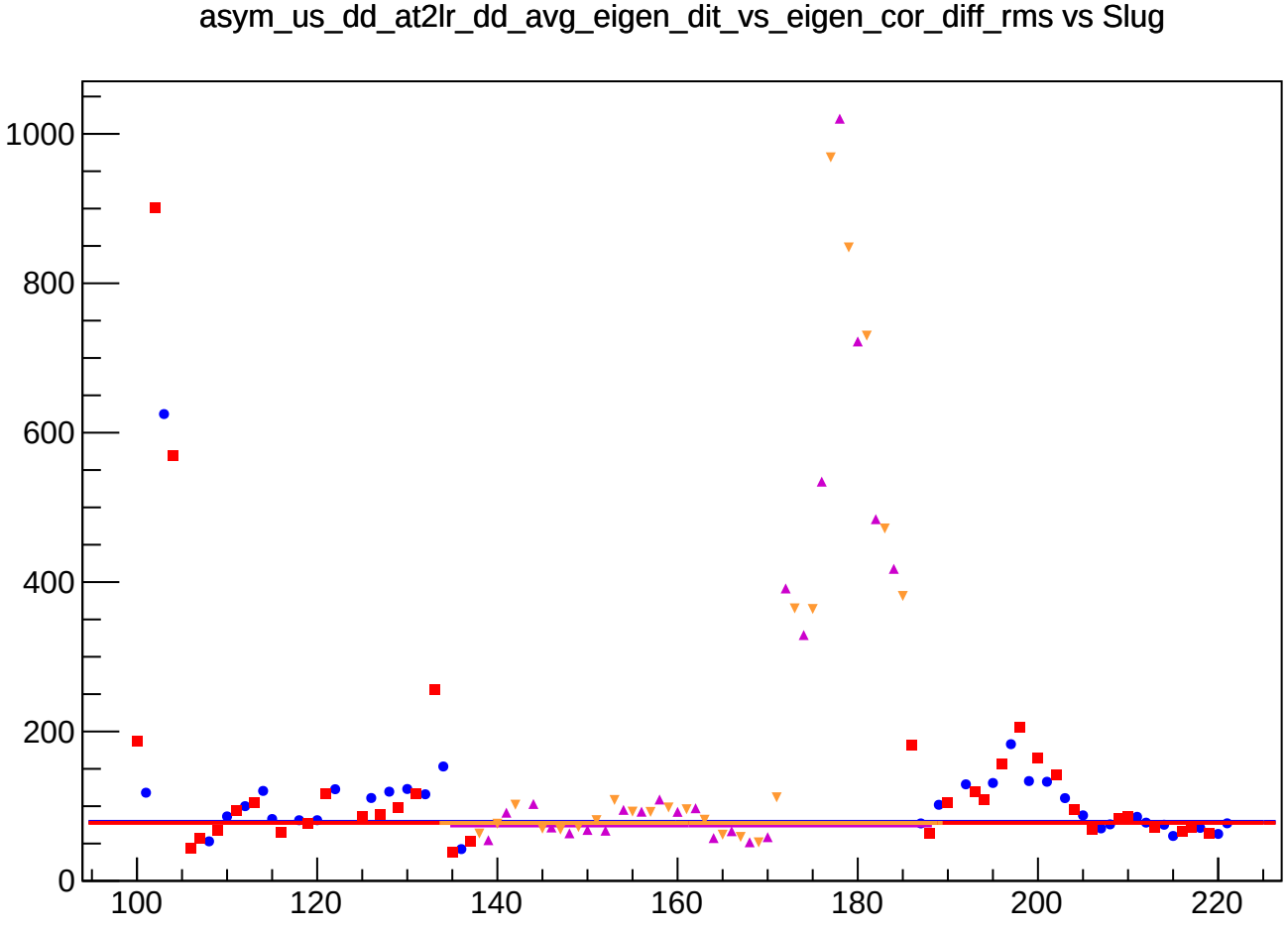
Right In: -0.017+/-0.019 χ²/NDF: 28.6/33
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.028+/-0.019 χ²/NDF: 28.1/34
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.037+/-0.014 χ²/NDF: 53.5/57
All: -0.014+/-0.010 χ²/NDF: 103.9/115
- sign 0.009+/-0.014 χ²/NDF: 45.1/57



Right In: 79.000+/-0.013 χ^2/NDF: 4974336.8/33

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

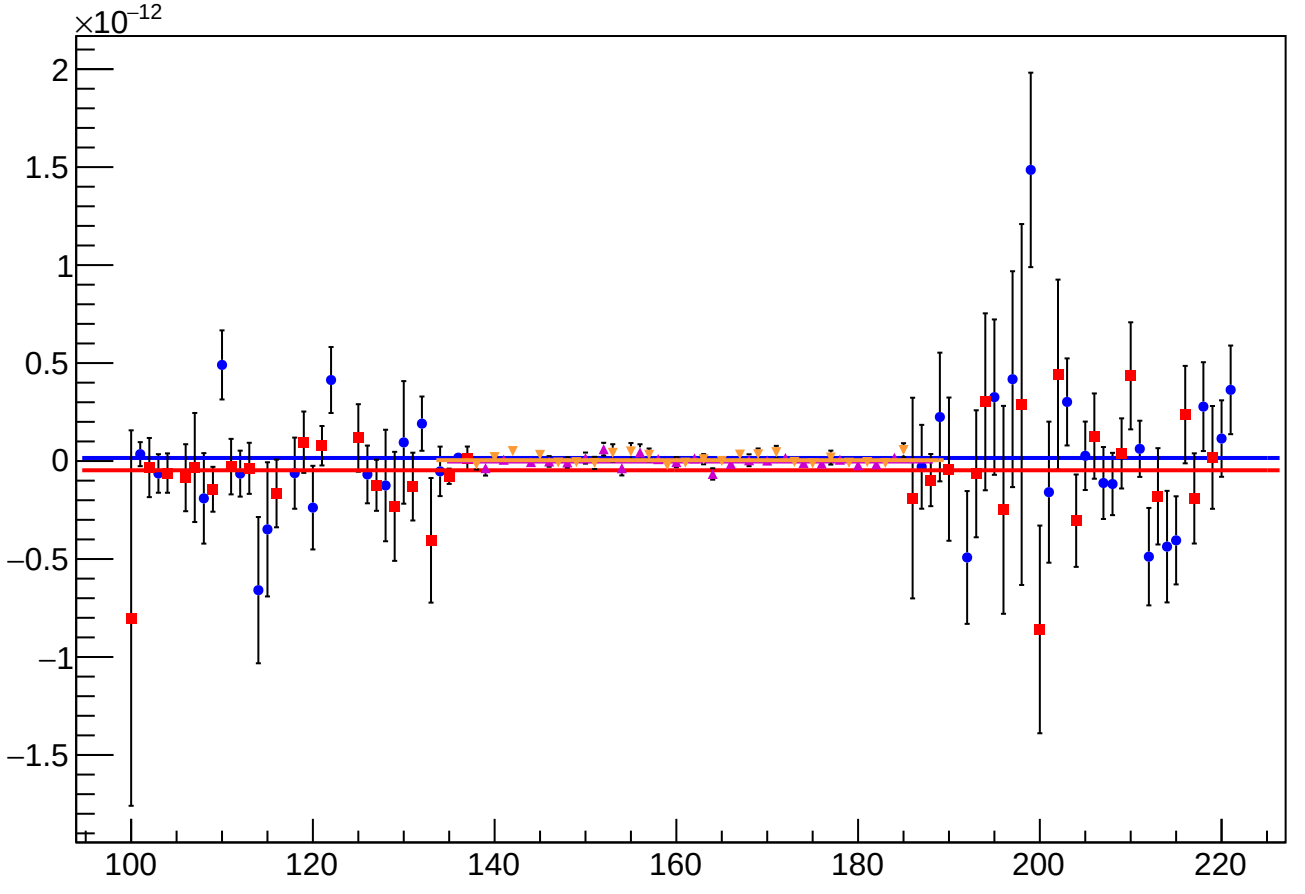
Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.374+/-0.010 χ^2/NDF: 13310496.4/57

All: 77.230+/-0.007 χ^2/NDF: 28108773.8/115

- sign 76.104+/-0.010 χ^2/NDF: 14773335.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 53.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

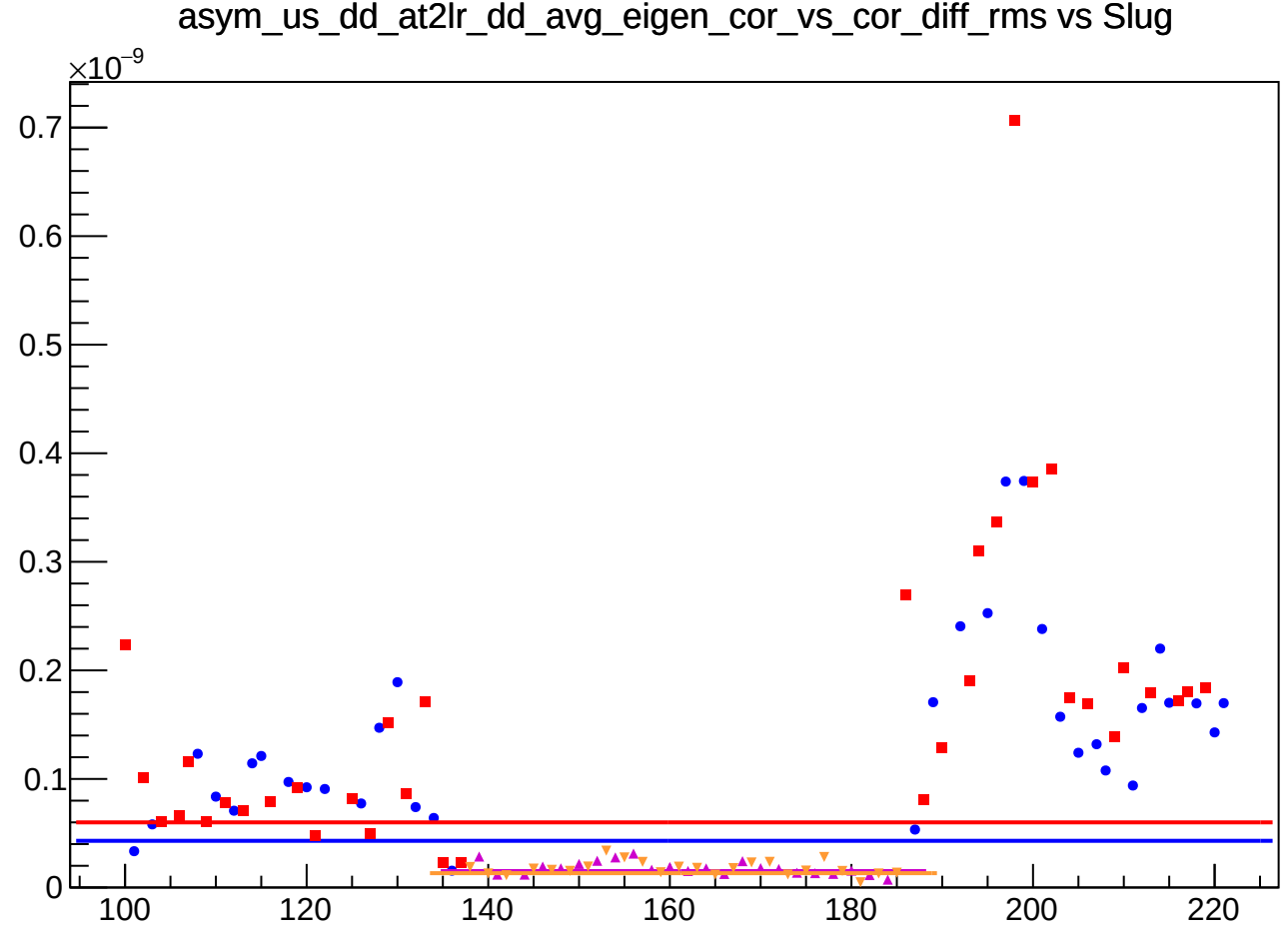
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/34

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.3/57

All: 0.000+/-0.000 χ^2/NDF: 119.4/115

- sign -0.000+/-0.000 χ^2/NDF: 41.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 14449888.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11900325.1/34

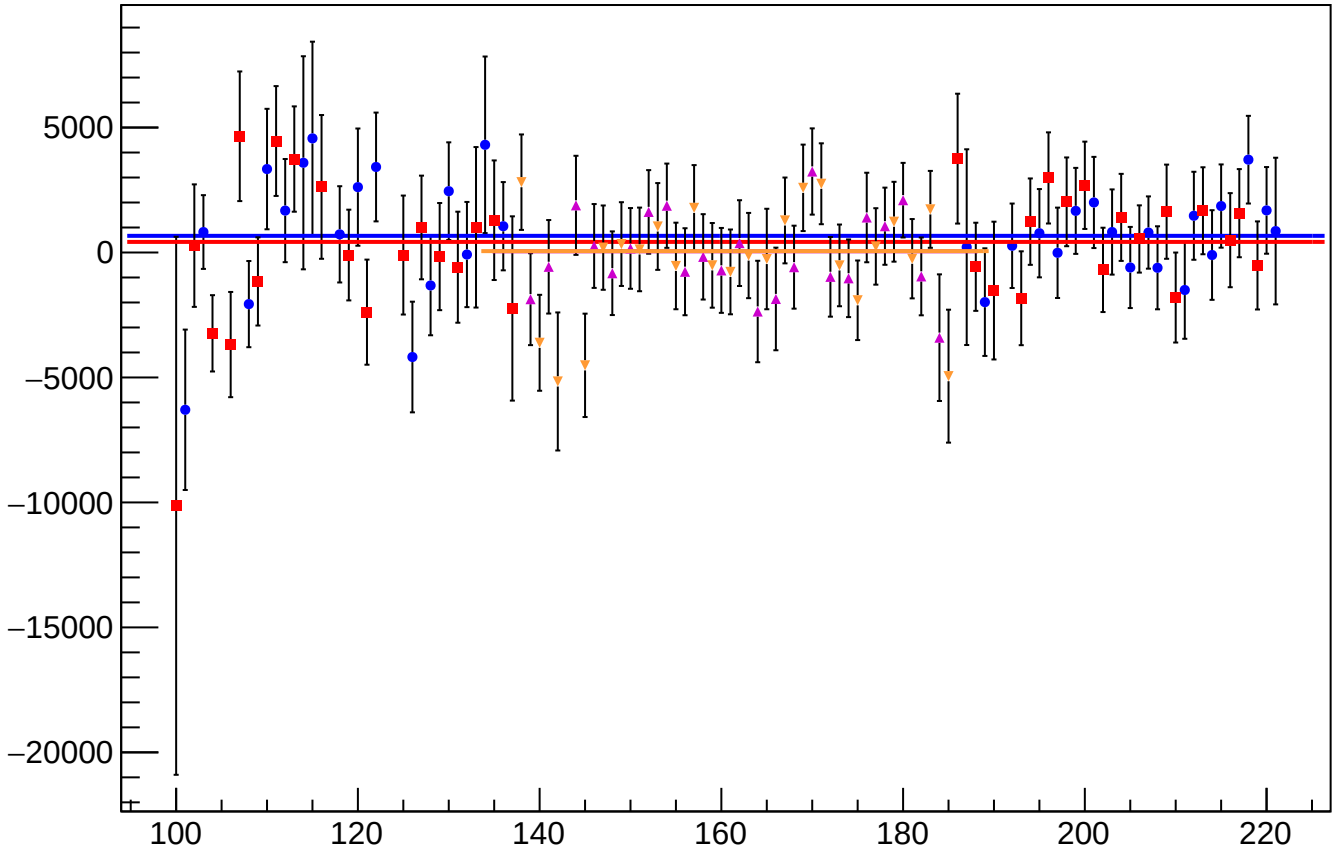
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 23762719.3/57

All: 0.000+/-0.000 χ^2/NDF: 45273114.9/115

- sign 0.000+/-0.000 χ^2/NDF: 21289296.7/57

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 666.749+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 423.687+/-337.052 χ^2/NDF: 35.9/34

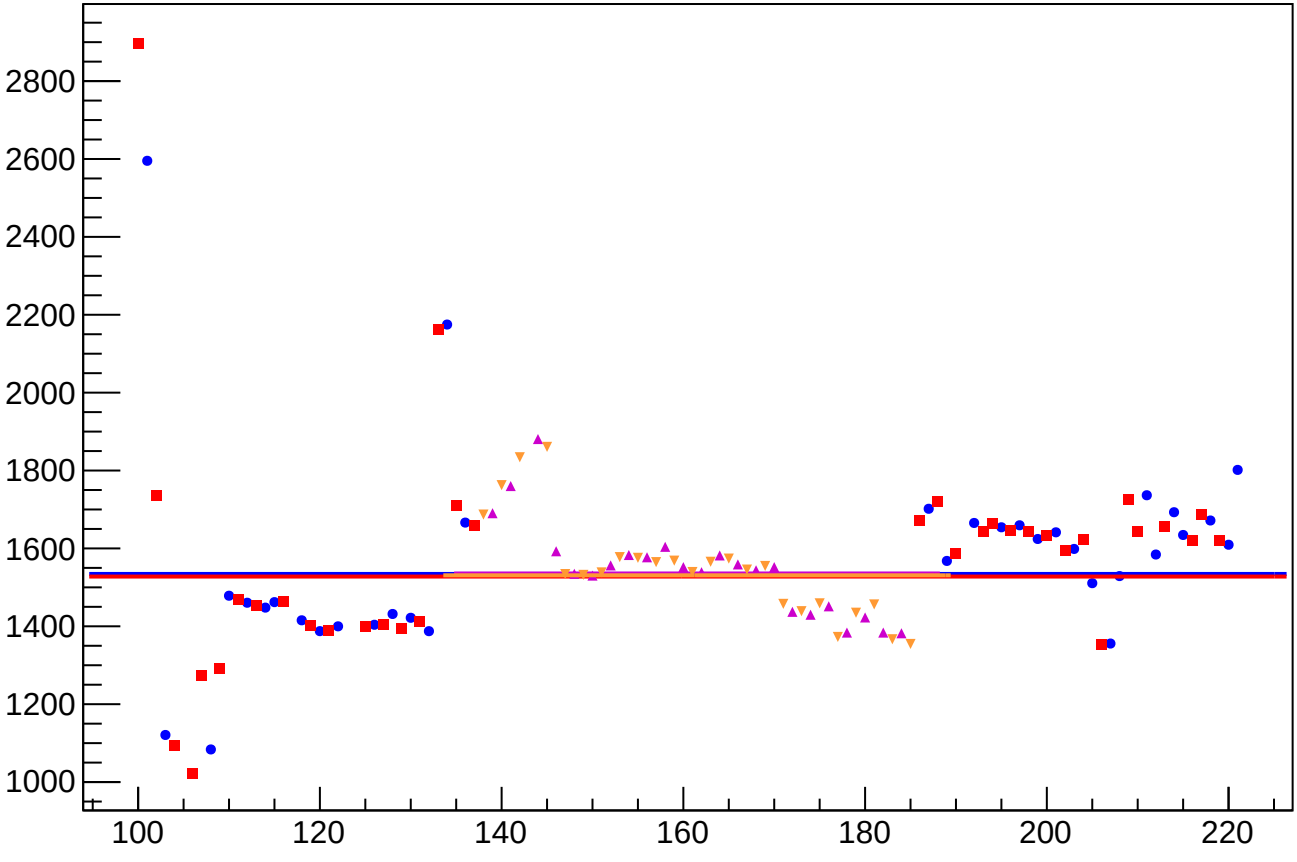
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 379.815+/-244.023 χ^2/NDF: 59.7/57

All: 314.429+/-173.208 χ^2/NDF: 113.1/115

- sign 248.037+/-245.895 χ^2/NDF: 53.3/57

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1534.453+/-0.237 χ^2/NDF: 805696.2/33

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

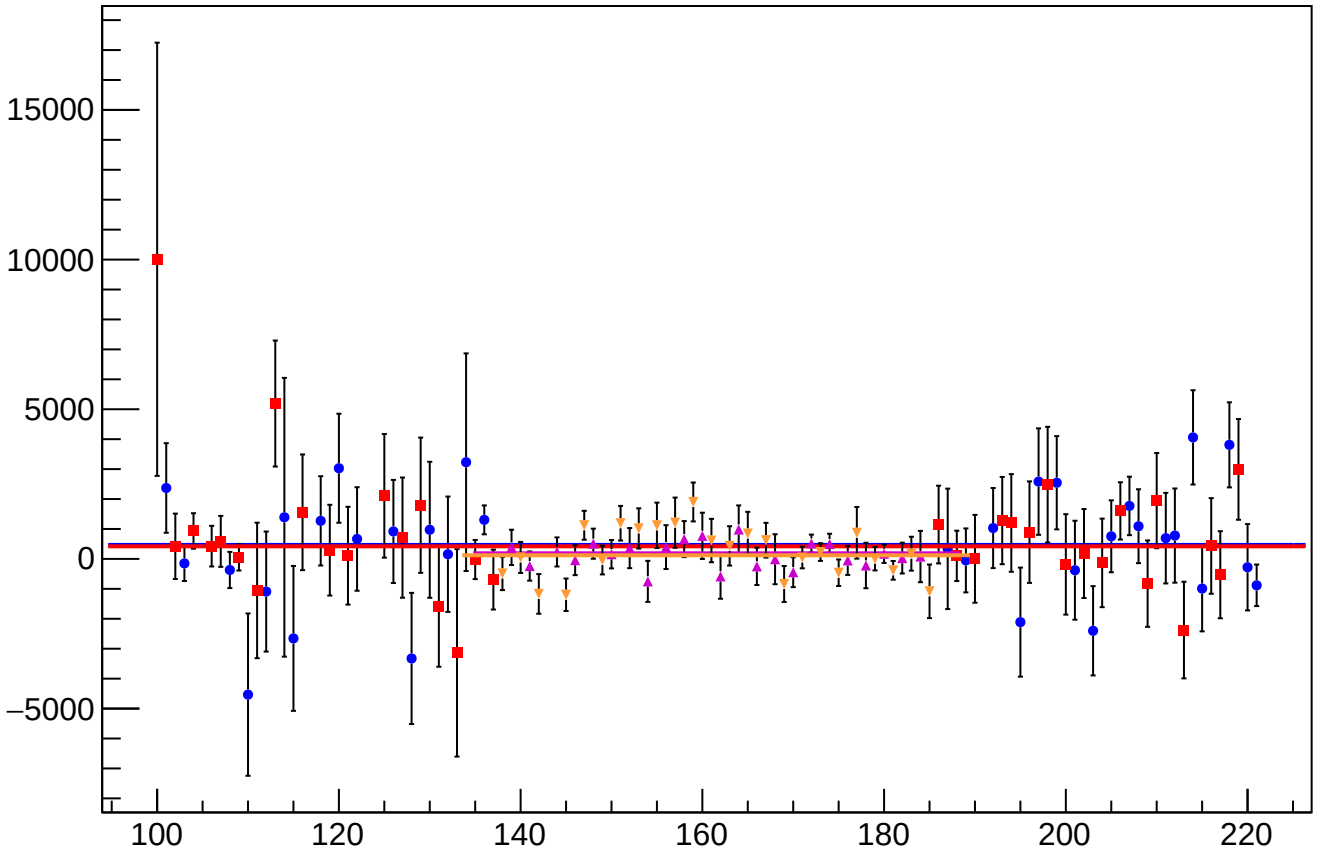
Right Out: 1527.739+/-0.238 χ^2/NDF: 706873.0/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1532.823+/-0.173 χ^2/NDF: 1009337.1/57

All: 1532.113+/-0.122 χ^2/NDF: 1909179.3/11

- sign 1531.393+/-0.174 χ^2/NDF: 899808.2/57



Right In: 467.271+/-204.777 χ^2/NDF: 46.9/33

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

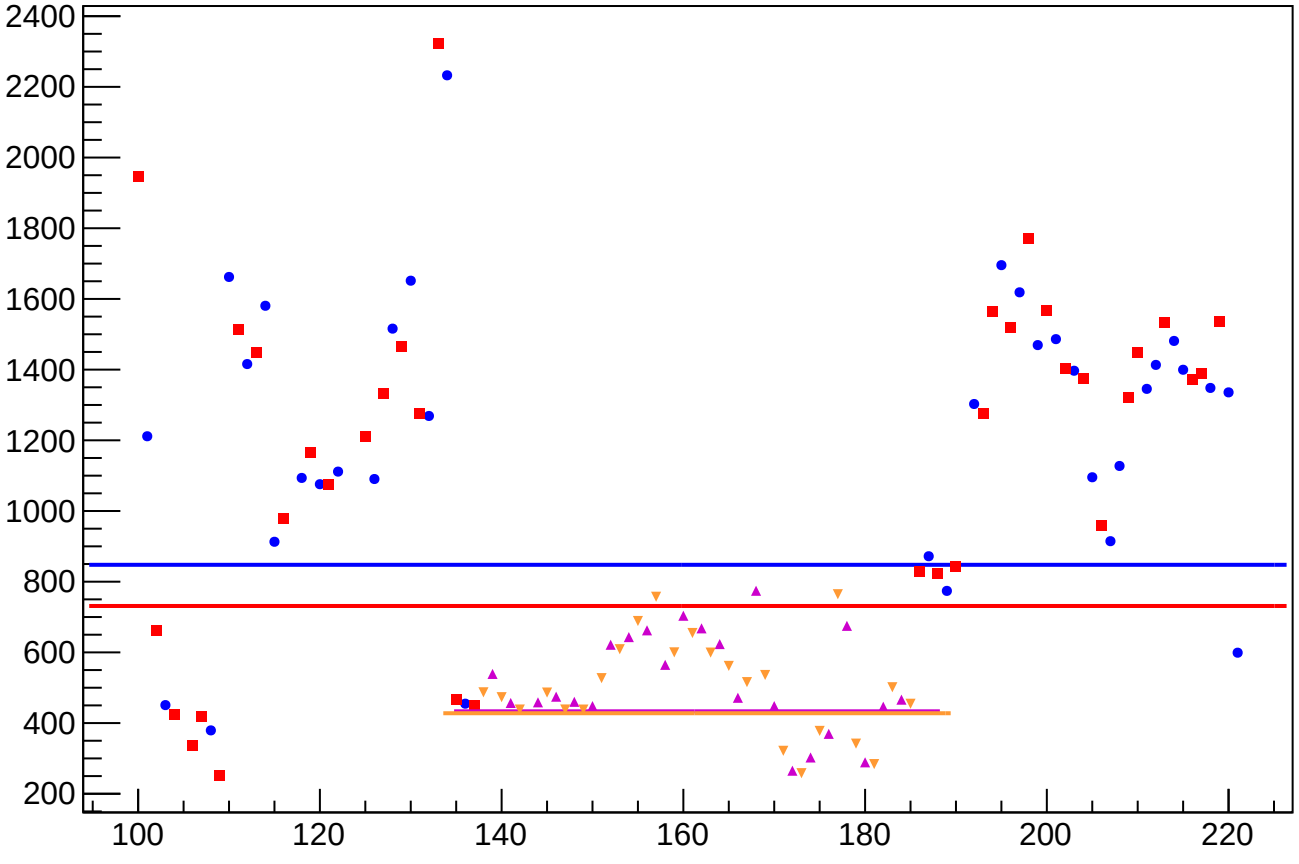
Right Out: 420.401+/-192.191 χ^2/NDF: 25.6/34

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 193.411+/-93.476 χ^2/NDF: 92.8/57

All: 217.744+/-66.096 χ^2/NDF: 131.3/115

- sign 242.075+/-93.471 χ^2/NDF: 38.3/57



Right In: 847.772+/-0.145 χ^2/NDF: 8905511.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 731.276+/-0.136 χ^2/NDF: 11944672.6/34

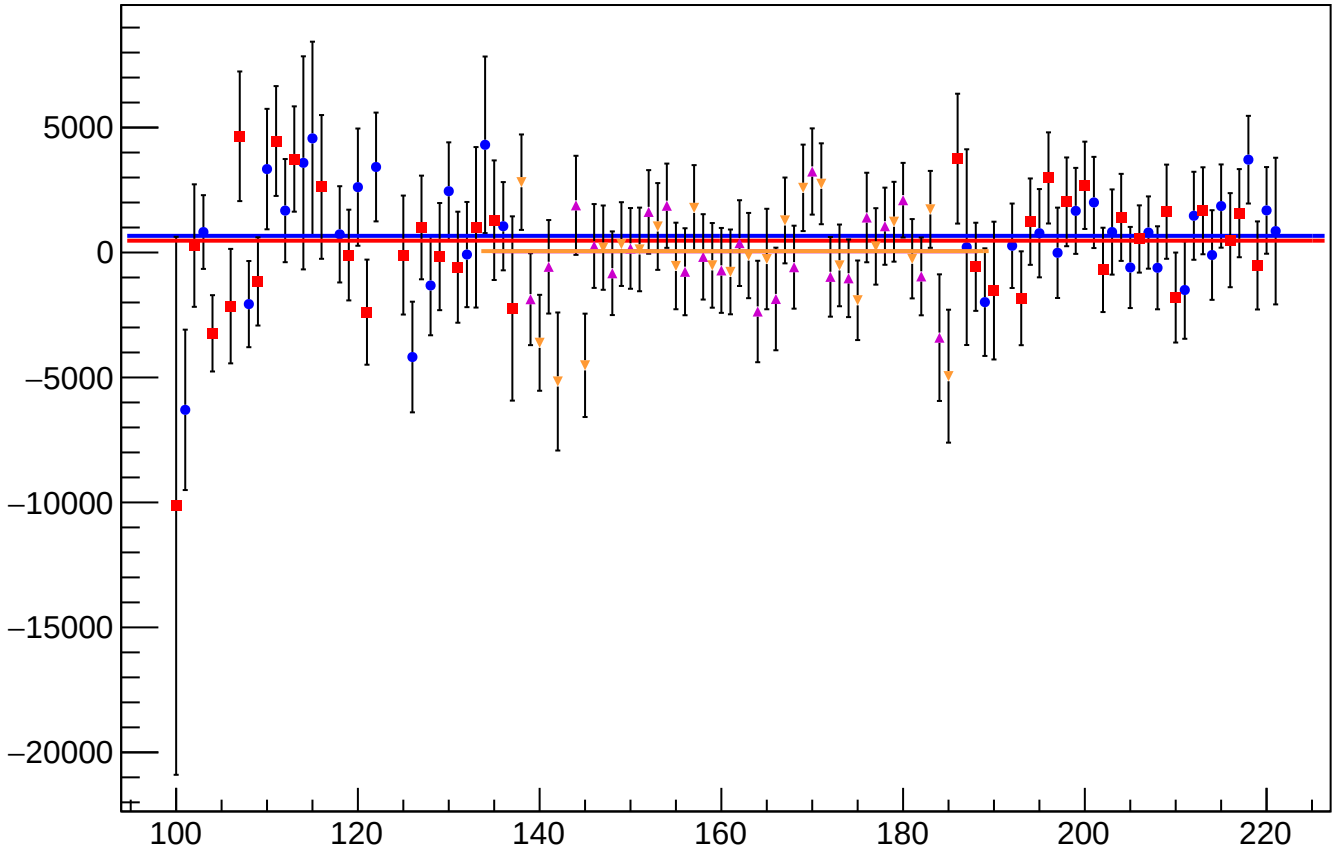
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 515.320+/-0.066 χ^2/NDF: 18752533.1/57

All: 509.544+/-0.047 χ^2/NDF: 37631302.0/11

- sign 503.768+/-0.066 χ^2/NDF: 18863495.2/57

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 666.775+/-334.832 χ^2/NDF: 29.7/33

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 473.587+/-337.722 χ^2/NDF: 33.3/34

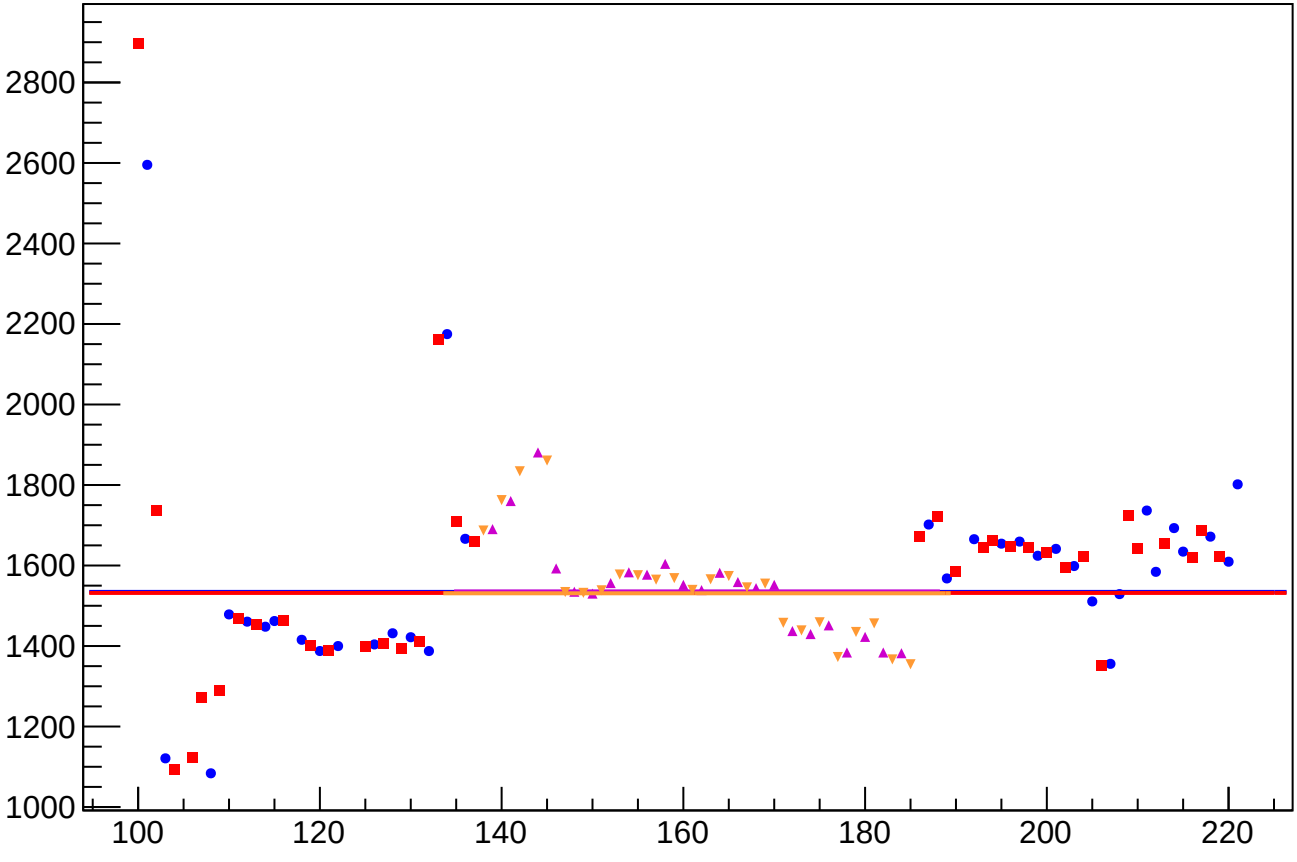
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 379.811+/-244.023 χ^2/NDF: 59.7/57

All: 327.471+/-173.299 χ^2/NDF: 110.6/115

- sign 274.212+/-246.154 χ^2/NDF: 50.8/57

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1534.453+/-0.237 χ^2/NDF: 805696.5/33

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

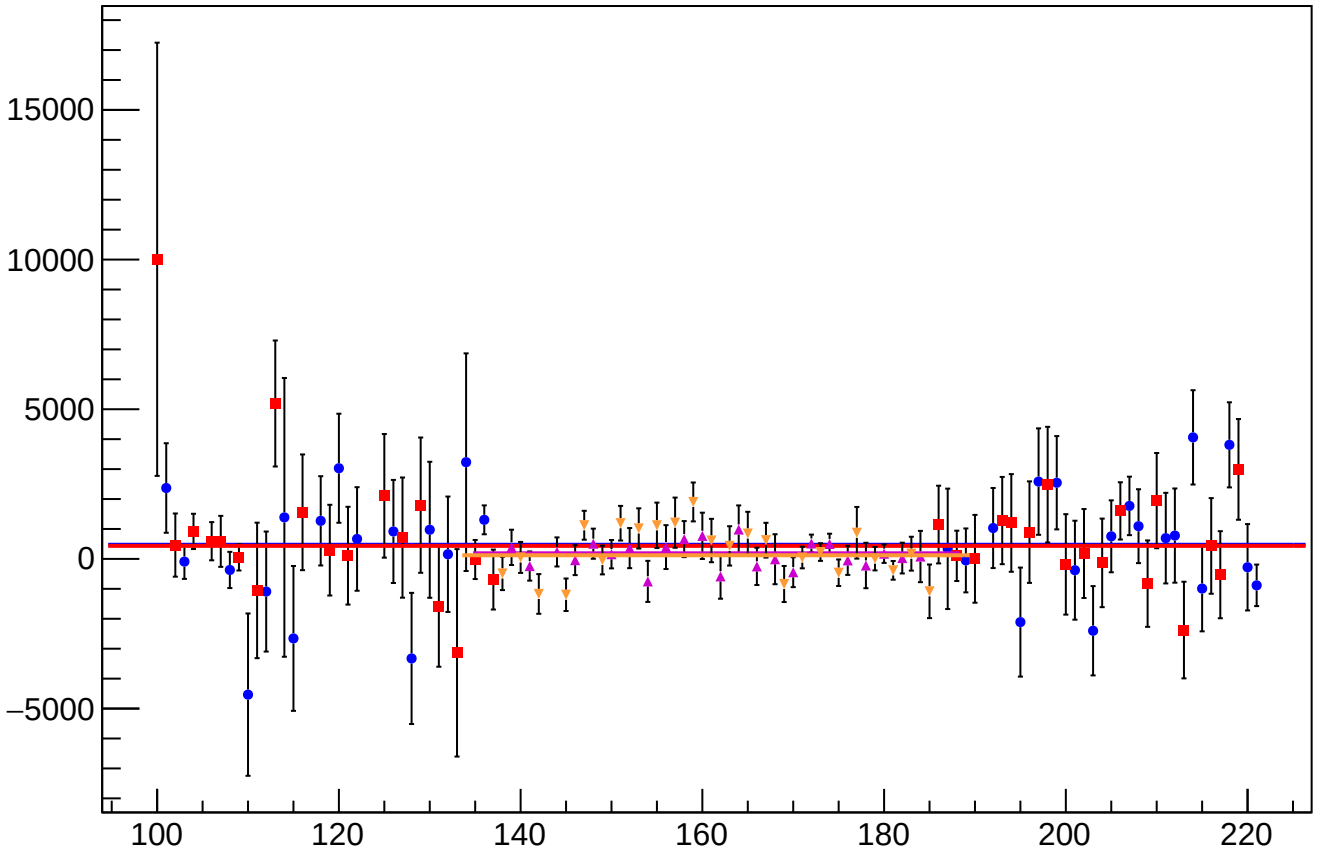
Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1532.823+/-0.173 χ^2/NDF: 1009337.4/57

All: 1533.215+/-0.123 χ^2/NDF: 1856208.0/11

- sign 1533.615+/-0.174 χ^2/NDF: 846860.1/57



Right In: 471.794+/-204.294 χ^2/NDF: 46.8/33

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

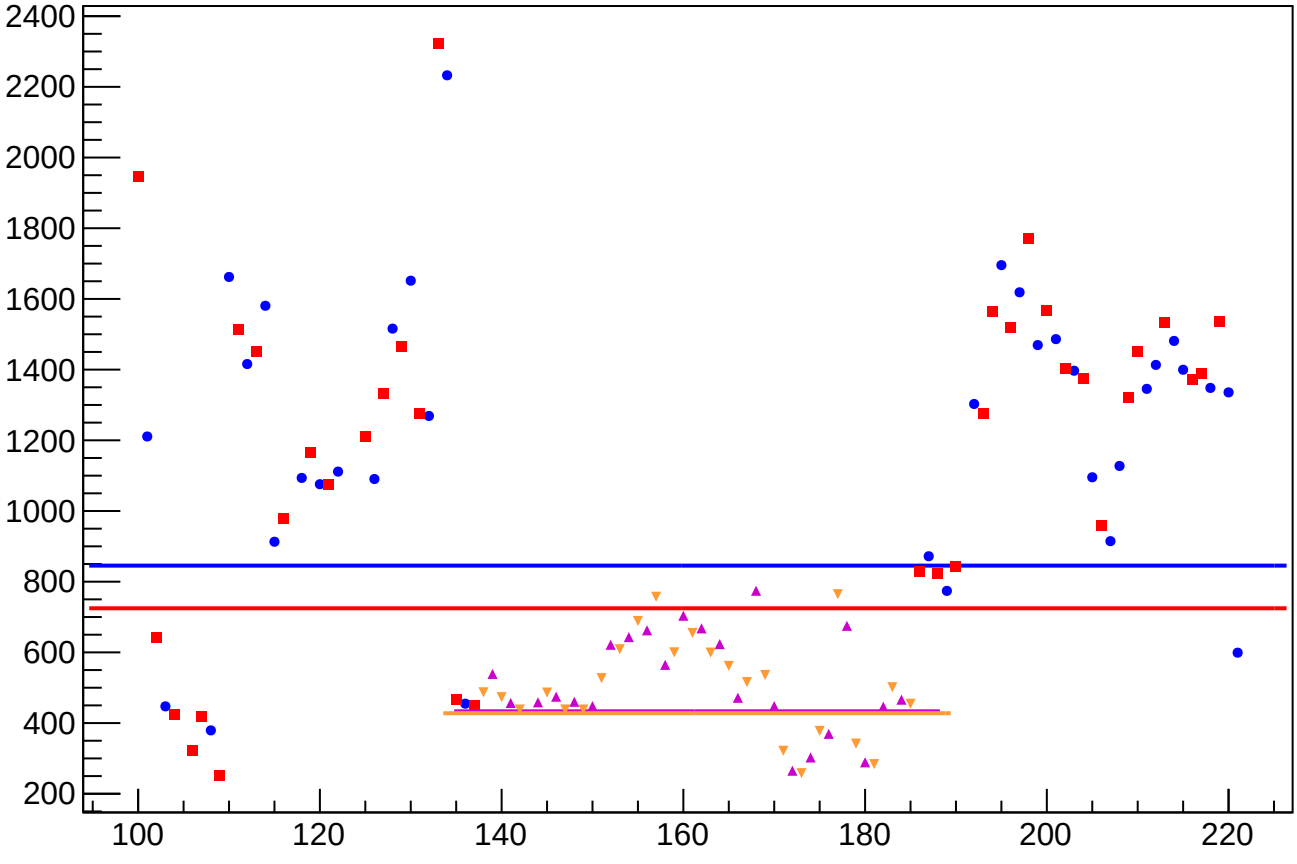
Right Out: 435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 194.626+/-93.430 χ^2/NDF: 92.7/57

All: 220.584+/-66.025 χ^2/NDF: 131.4/115

- sign 246.480+/-93.317 χ^2/NDF: 38.5/57



Right In: 845.459+/-0.144 χ^2/NDF: 8957448.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

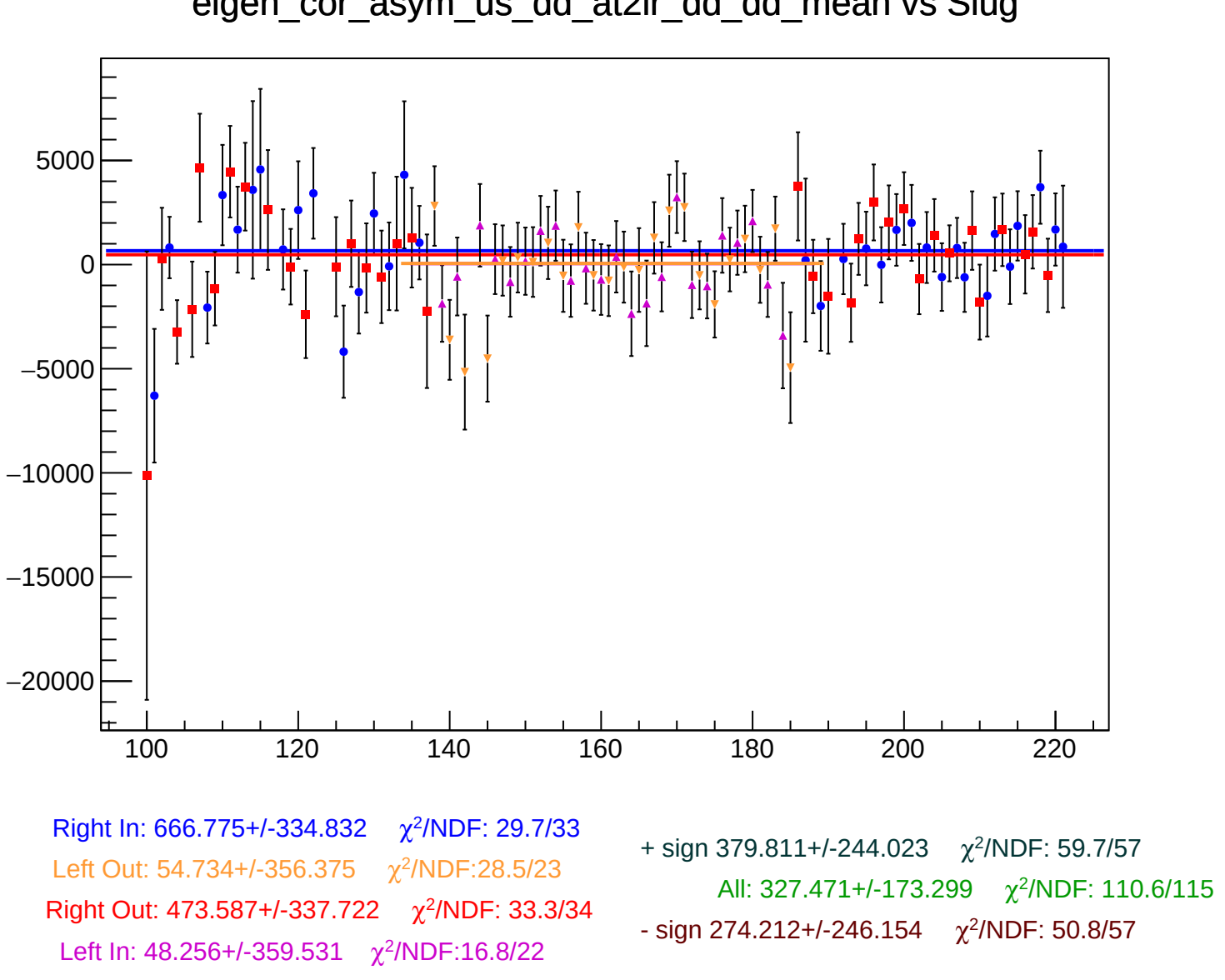
Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

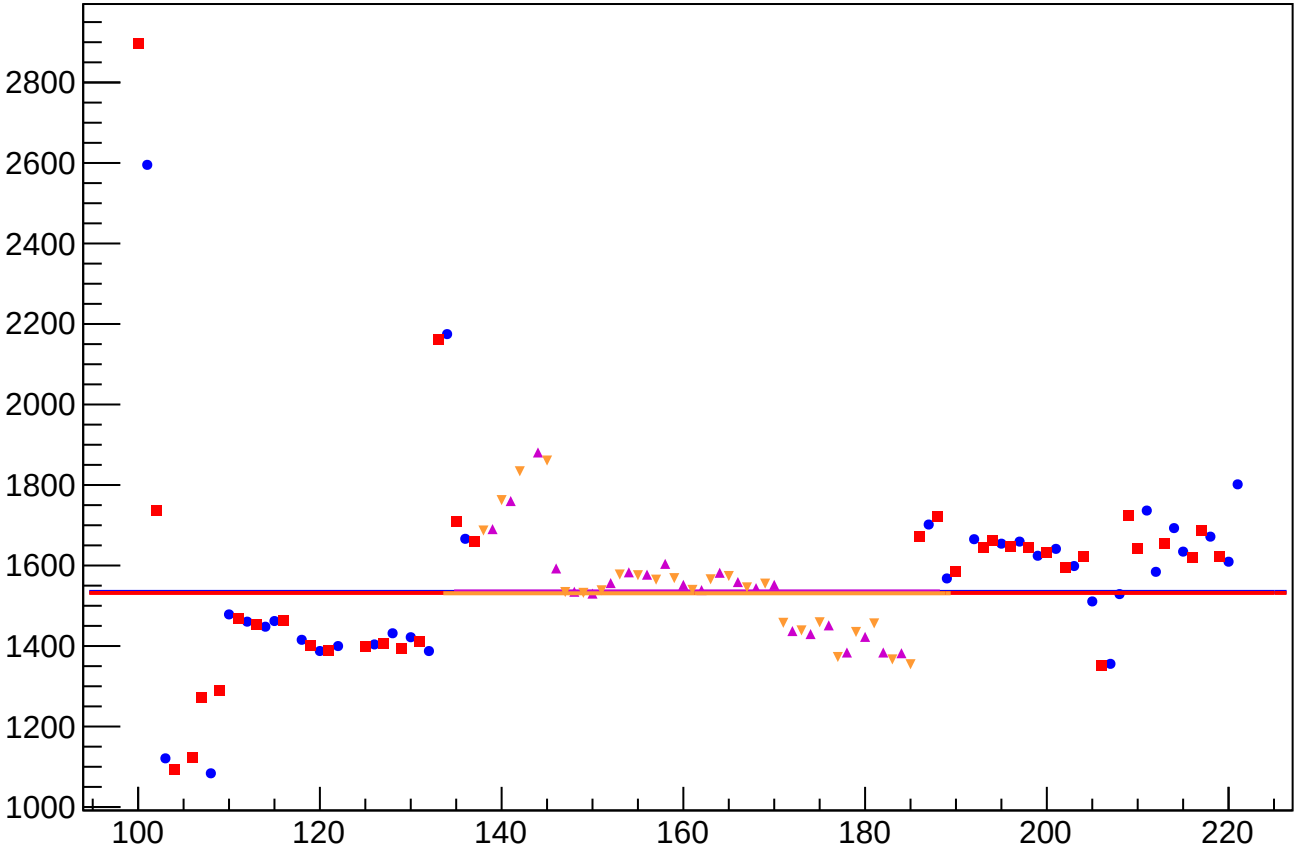
+ sign 515.164+/-0.066 χ^2/NDF: 18756193.6/57

All: 509.059+/-0.047 χ^2/NDF: 37667033.1/11

- sign 502.968+/-0.066 χ^2/NDF: 18893779.6/57


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: 666.775+/-334.832 χ²/NDF: 29.7/33
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: 473.587+/-337.722 χ²/NDF: 33.3/34
Left In: 48.256+/-359.531 χ²/NDF:16.8/22
+ sign 379.811+/-244.023 χ²/NDF: 59.7/57
All: 327.471+/-173.299 χ²/NDF: 110.6/115
- sign 274.212+/-246.154 χ²/NDF: 50.8/57

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1534.453+/-0.237 χ^2/NDF: 805696.5/33

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

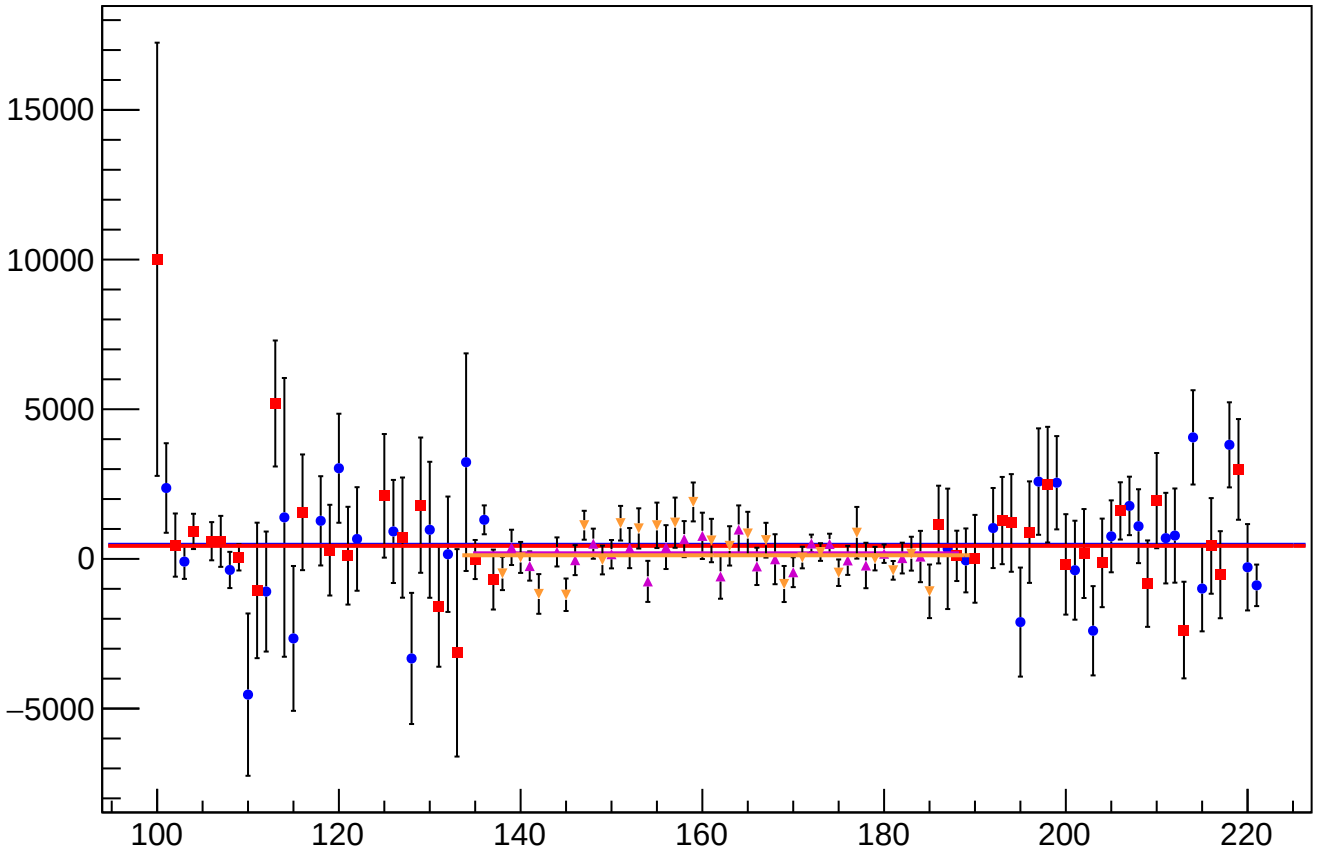
Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1532.823+/-0.173 χ^2/NDF: 1009337.4/57

All: 1533.215+/-0.123 χ^2/NDF: 1856208.0/11

- sign 1533.615+/-0.174 χ^2/NDF: 846860.1/57



Right In: 471.794+/-204.294 χ^2/NDF: 46.8/33

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

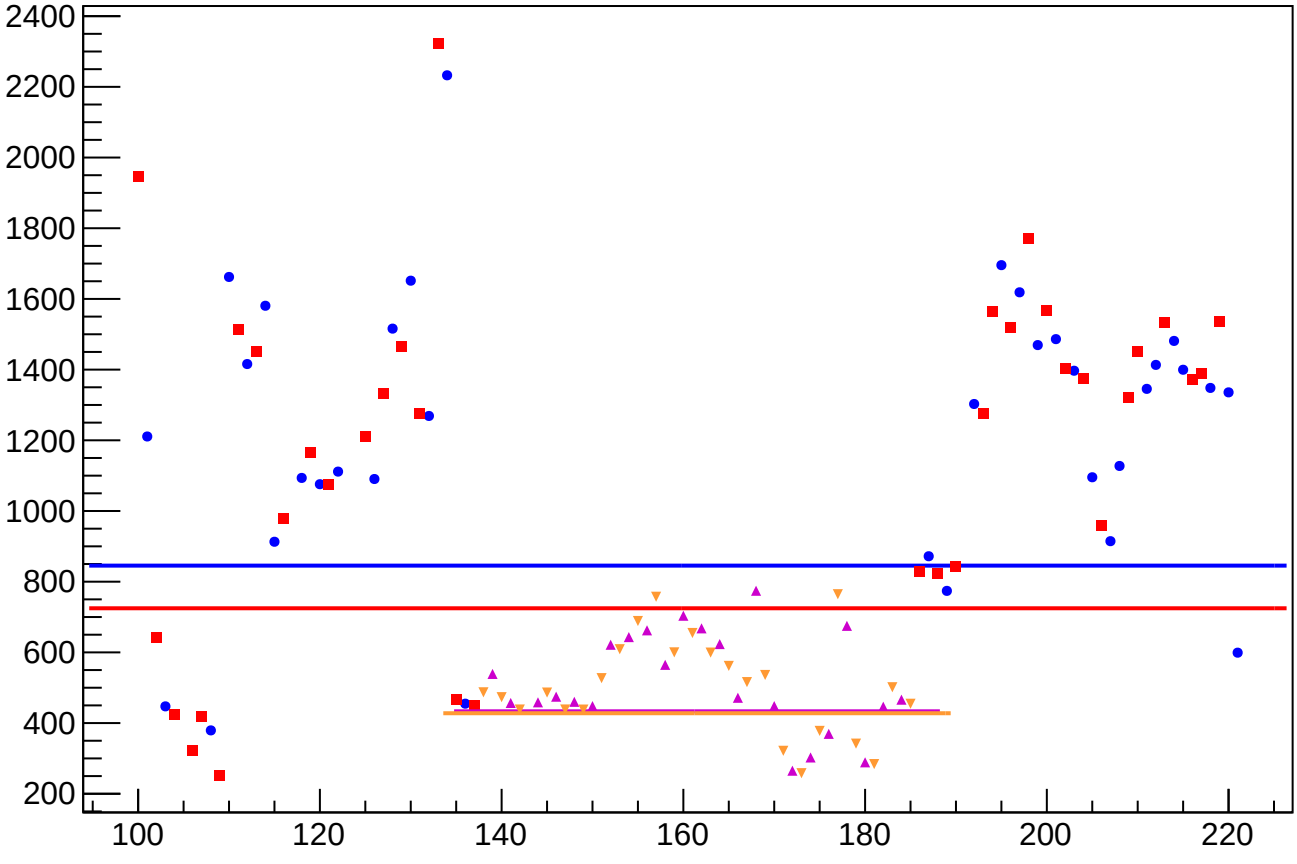
Right Out: 435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 194.626+/-93.430 χ^2/NDF: 92.7/57

All: 220.584+/-66.025 χ^2/NDF: 131.4/115

- sign 246.480+/-93.317 χ^2/NDF: 38.5/57



Right In: 845.459+/-0.144 χ^2/NDF: 8957448.1/33

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

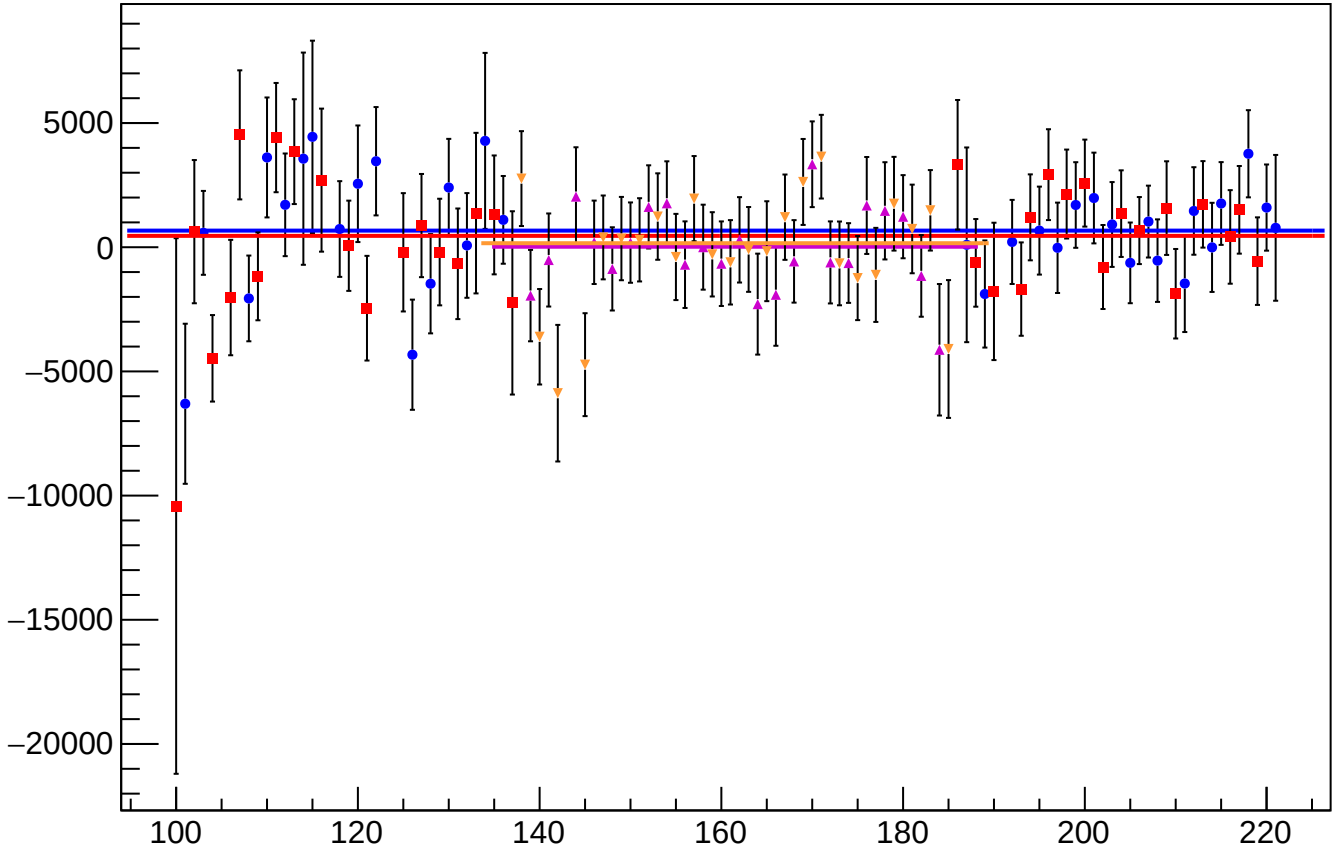
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 515.164+/-0.066 χ^2/NDF: 18756193.6/57

All: 509.059+/-0.047 χ^2/NDF: 37667033.1/11

- sign 502.968+/-0.066 χ^2/NDF: 18893779.6/57

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 669.052+/-337.365 χ^2/NDF: 29.9/33

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.023+/-341.256 χ^2/NDF: 35.0/34

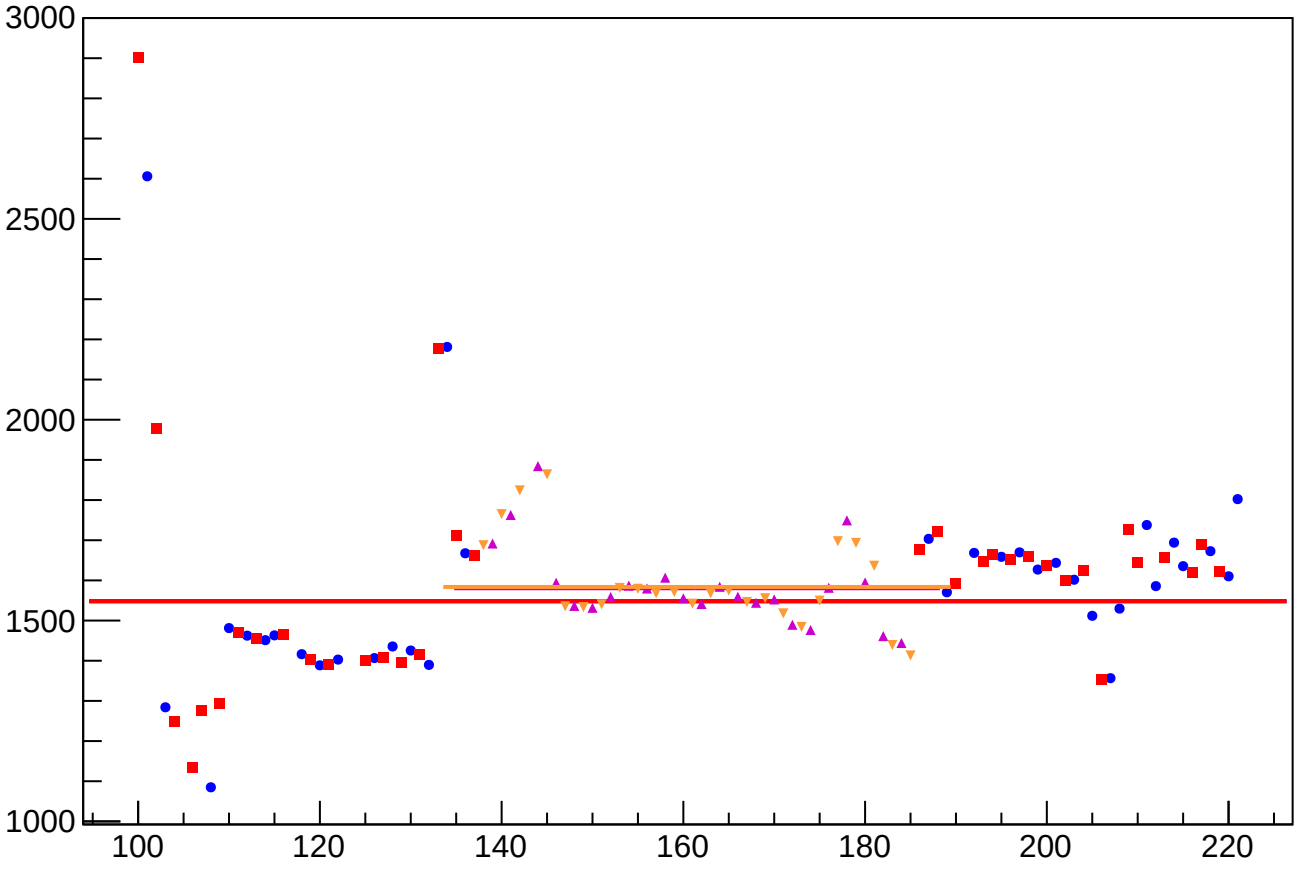
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 437.569+/-248.792 χ^2/NDF: 60.9/57

All: 347.841+/-176.622 χ^2/NDF: 112.9/115

\- sign 256.671+/-250.783 χ^2/NDF: 51.8/57

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1548.144+/-0.239 χ^2/NDF: 693788.6/33

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

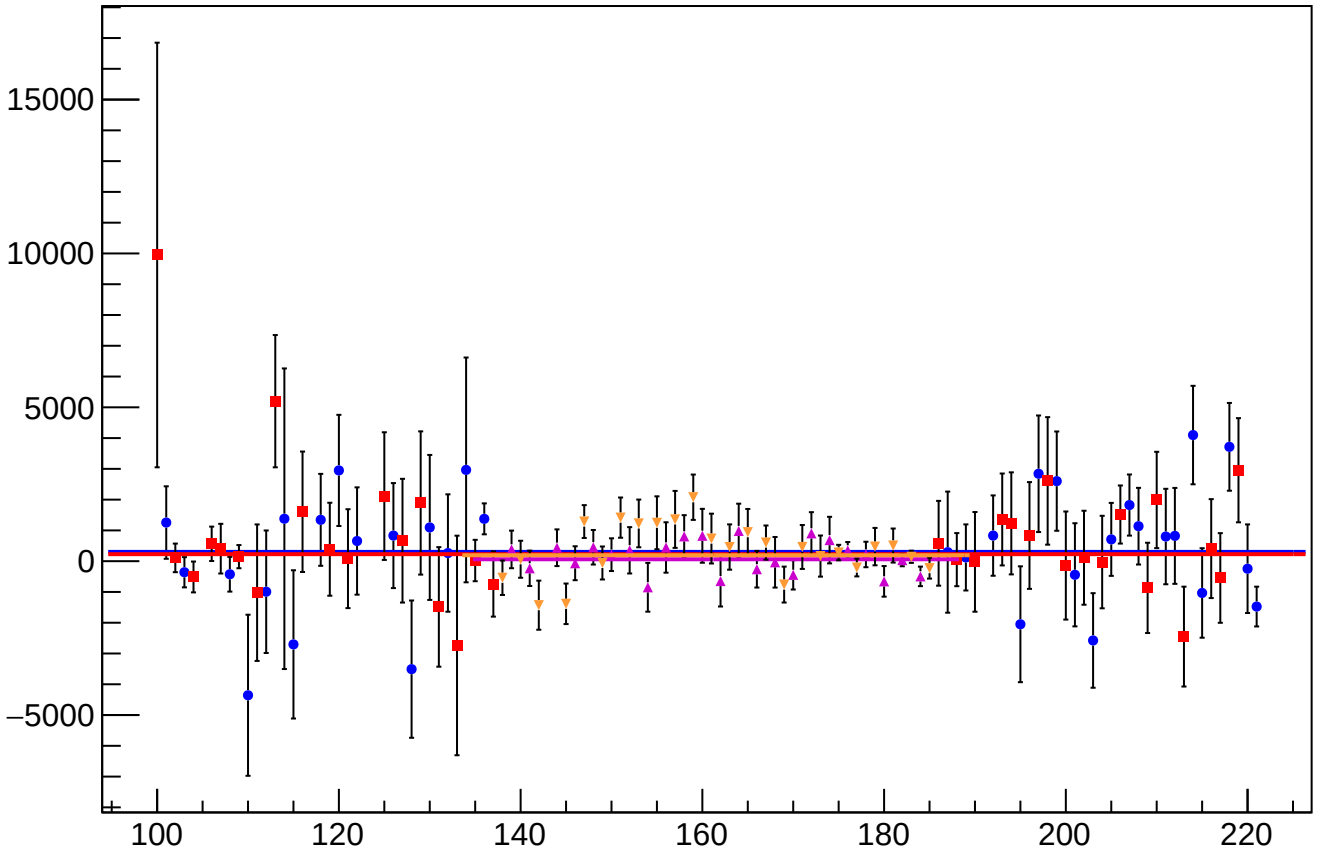
Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1564.351+/-0.176 χ^2/NDF: 837489.9/57

All: 1563.663+/-0.125 χ^2/NDF: 1543579.1/11

- sign 1562.964+/-0.177 χ^2/NDF: 706058.4/57



Right In: 301.419+/-197.661 χ^2/NDF: 52.5/33

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

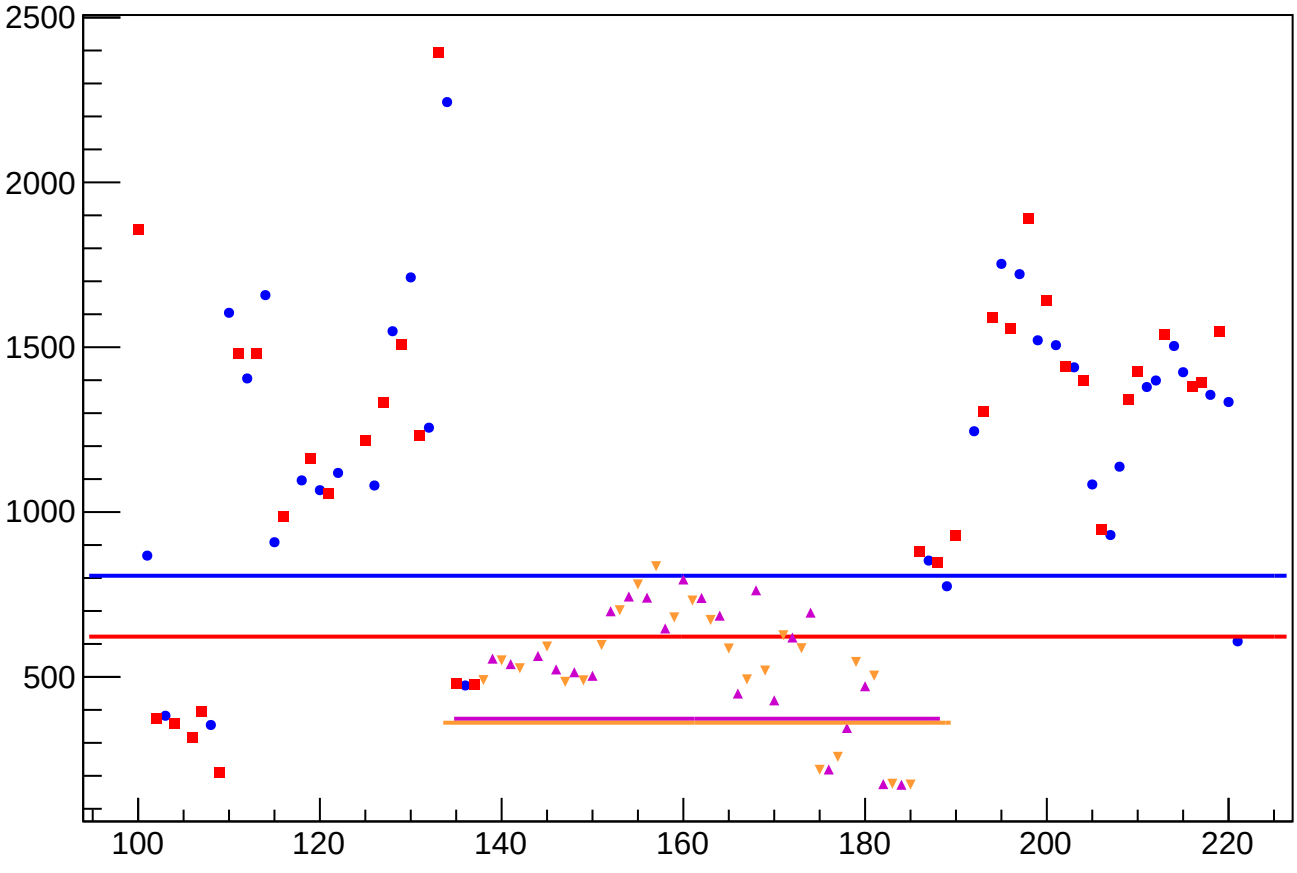
Right Out: 228.116+/-170.360 χ^2/NDF: 26.6/34

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

\+ sign 213.905+/-86.276 χ^2/NDF: 92.8/57

All: 159.077+/-60.929 χ^2/NDF: 137.9/115

\- sign 104.526+/-86.059 χ^2/NDF: 44.3/57



Right In: 806.870+/-0.140 χ^2/NDF: 9875558.6/33

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 622.213+/-0.120 χ^2/NDF: 14910796.2/34

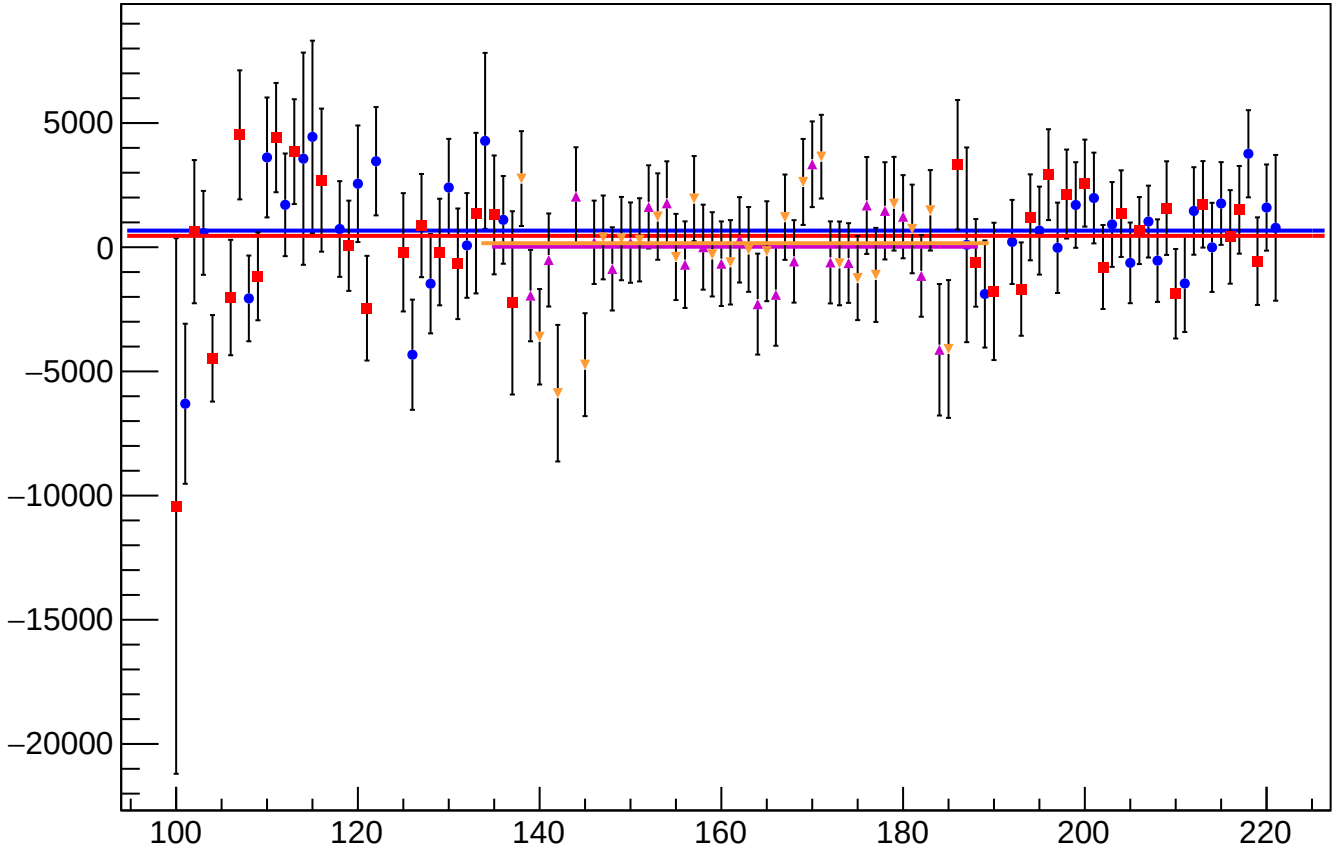
Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 446.028+/-0.061 χ^2/NDF: 26292790.4/57

All: 441.352+/-0.043 χ^2/NDF: 52606835.2/11

- sign 436.699+/-0.061 χ^2/NDF: 26302323.9/57

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 669.043+/-337.365 χ^2/NDF: 29.9/33

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.022+/-341.256 χ^2/NDF: 35.0/34

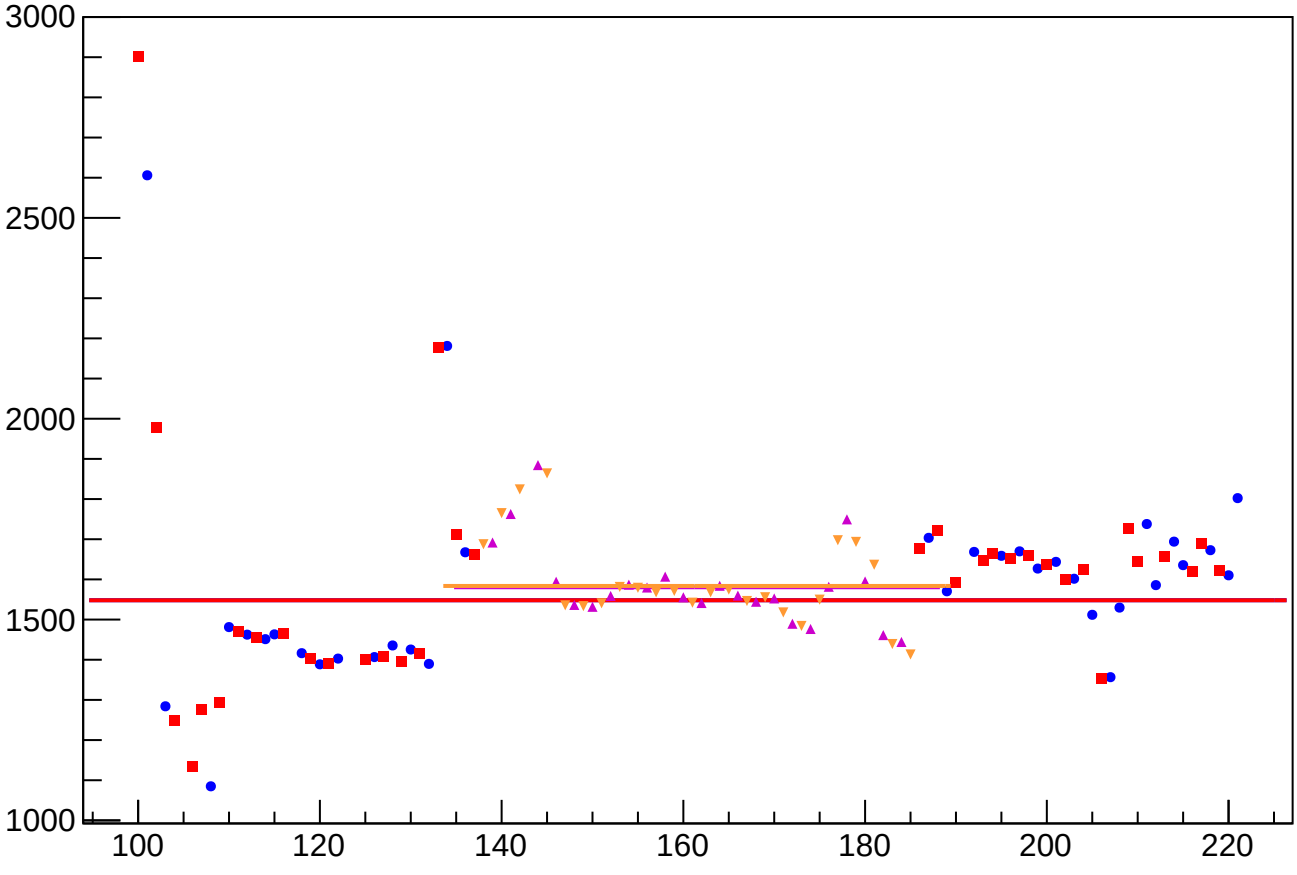
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 437.563+/-248.792 χ^2/NDF: 60.9/57

All: 347.837+/-176.622 χ^2/NDF: 112.9/115

\- sign 256.670+/-250.783 χ^2/NDF: 51.8/57

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1548.144+/-0.239 χ^2/NDF: 693788.1/33

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

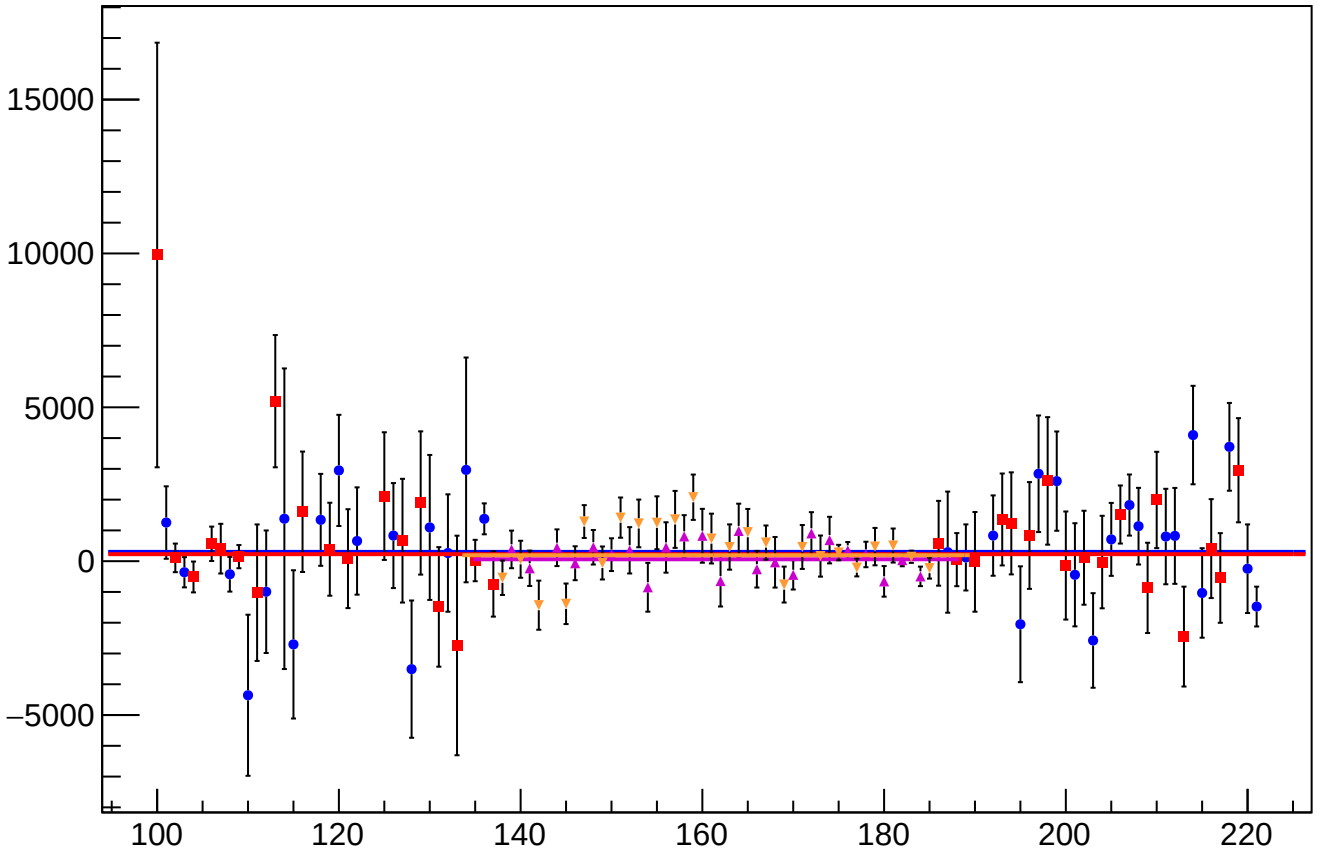
Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1564.351+/-0.176 χ^2/NDF: 837489.5/57

All: 1563.663+/-0.125 χ^2/NDF: 1543578.6/11

- sign 1562.964+/-0.177 χ^2/NDF: 706058.2/57



Right In: 301.417+/-197.660 χ^2/NDF: 52.5/33

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

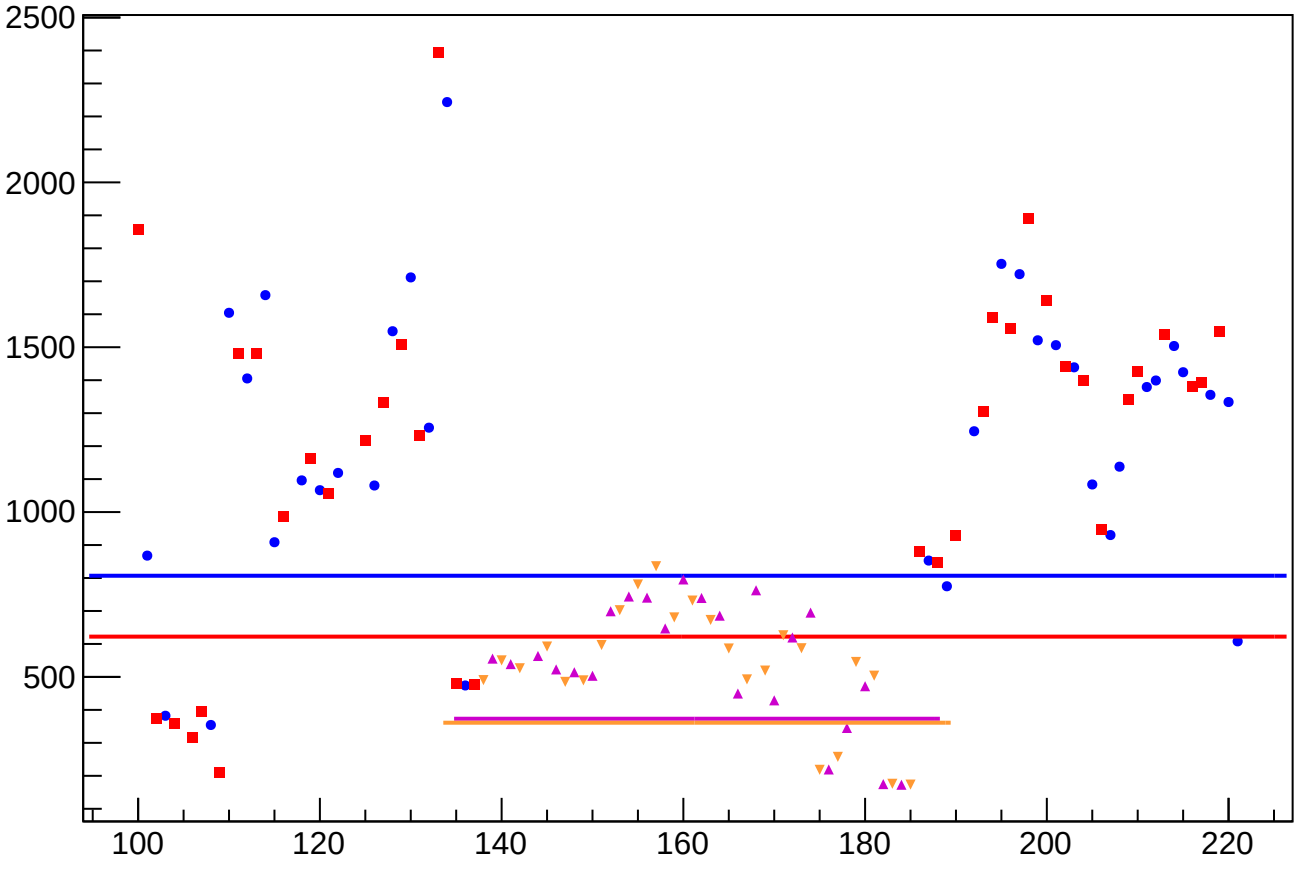
Right Out: 228.115+/-170.361 χ^2/NDF: 26.6/34

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

\+ sign 213.909+/-86.277 χ^2/NDF: 92.8/57

All: 159.078+/-60.930 χ^2/NDF: 137.9/115

\- sign 104.524+/-86.059 χ^2/NDF: 44.3/57



Right In: 806.868+/-0.140 χ^2/NDF: 9875551.6/33

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 622.220+/-0.120 χ^2/NDF: 14910586.6/34

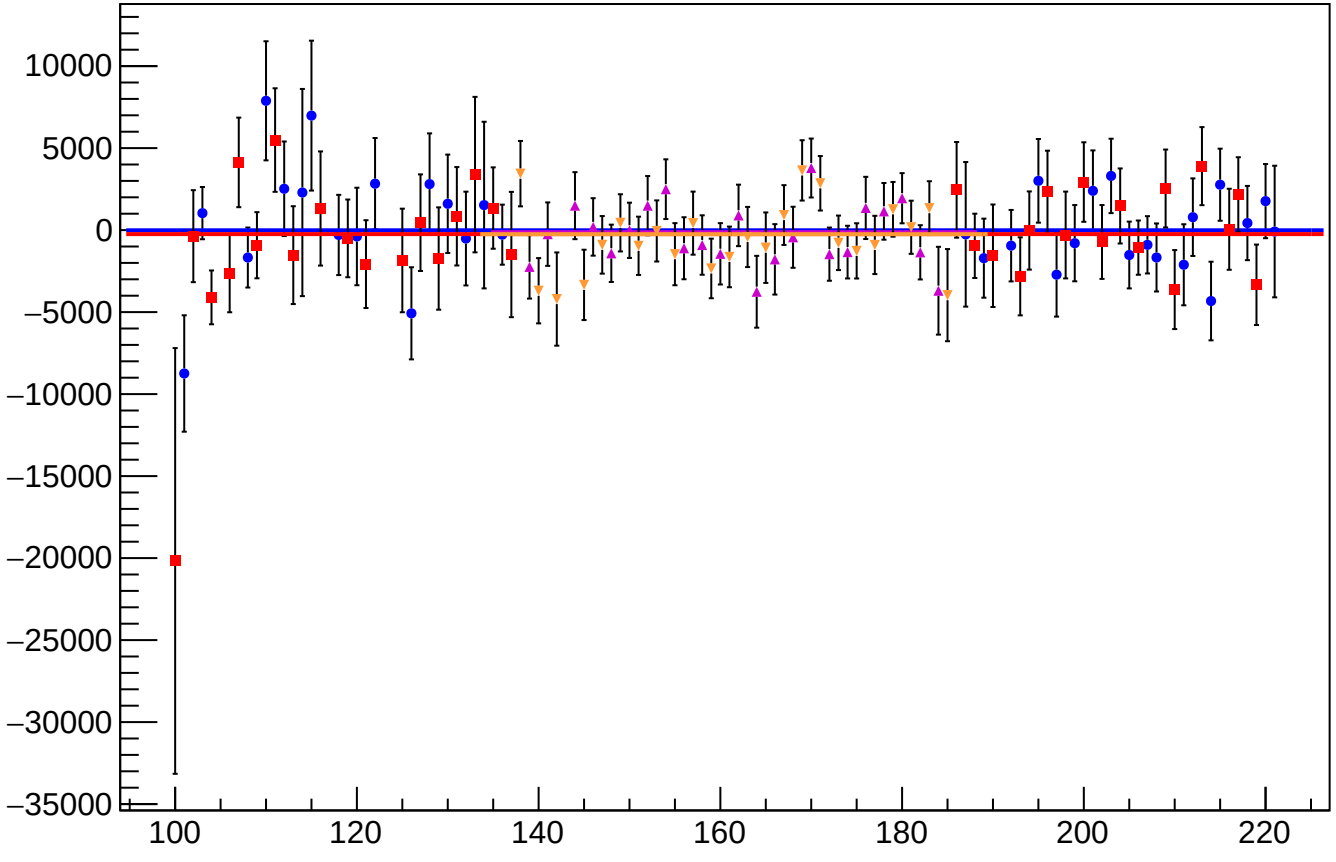
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 446.032+/-0.061 χ^2/NDF: 26292419.9/57

All: 441.357+/-0.043 χ^2/NDF: 52606015.4/11

- sign 436.705+/-0.061 χ^2/NDF: 26301878.8/57

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -11.019+/-425.790 χ^2/NDF: 35.1/33

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -244.277+/-426.989 χ^2/NDF: 32.6/34

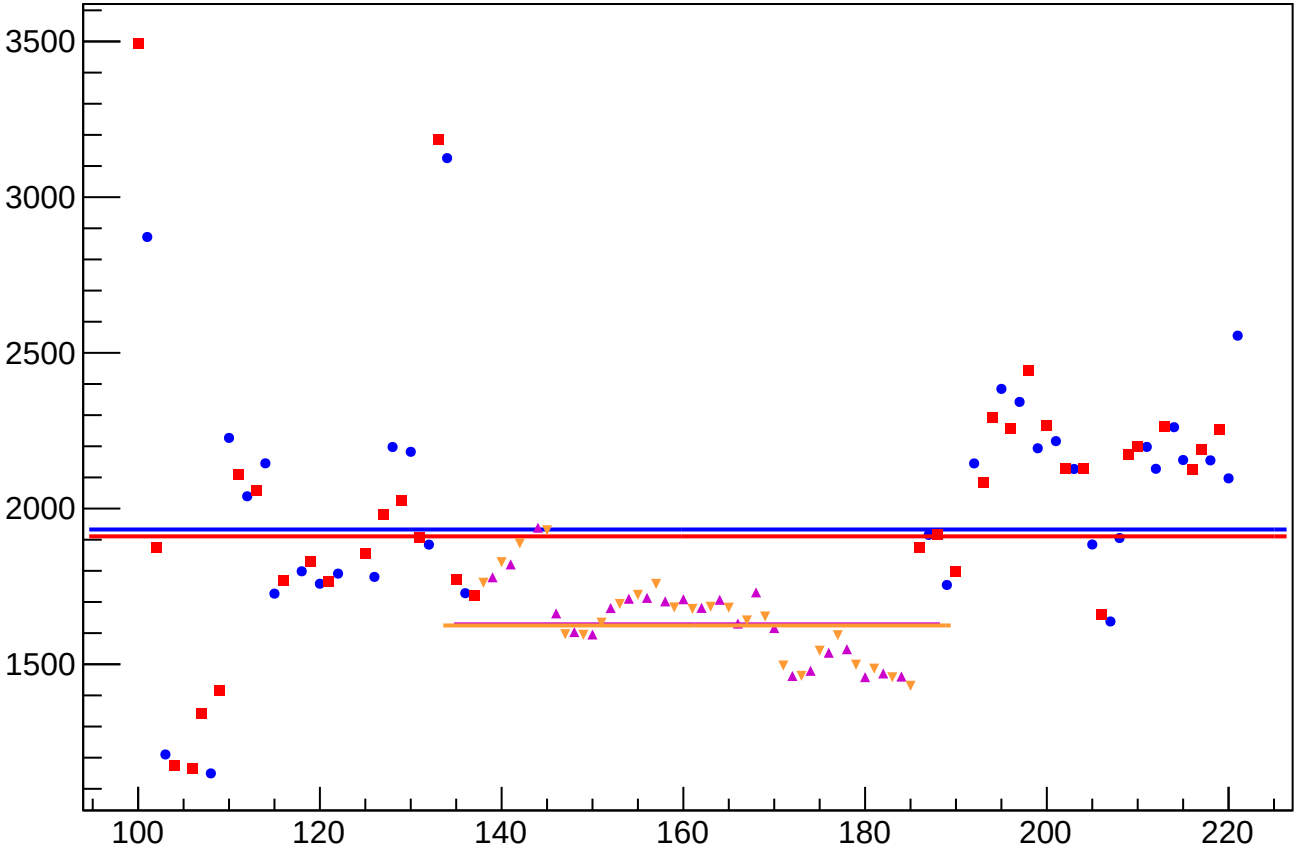
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -142.983+/-282.773 χ^2/NDF: 61.3/57

All: -160.658+/-200.526 χ^2/NDF: 115.1/115

- sign -178.538+/-284.408 χ^2/NDF: 53.8/57

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1932.786+/-0.301 χ^2/NDF: 1570850.9/33

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

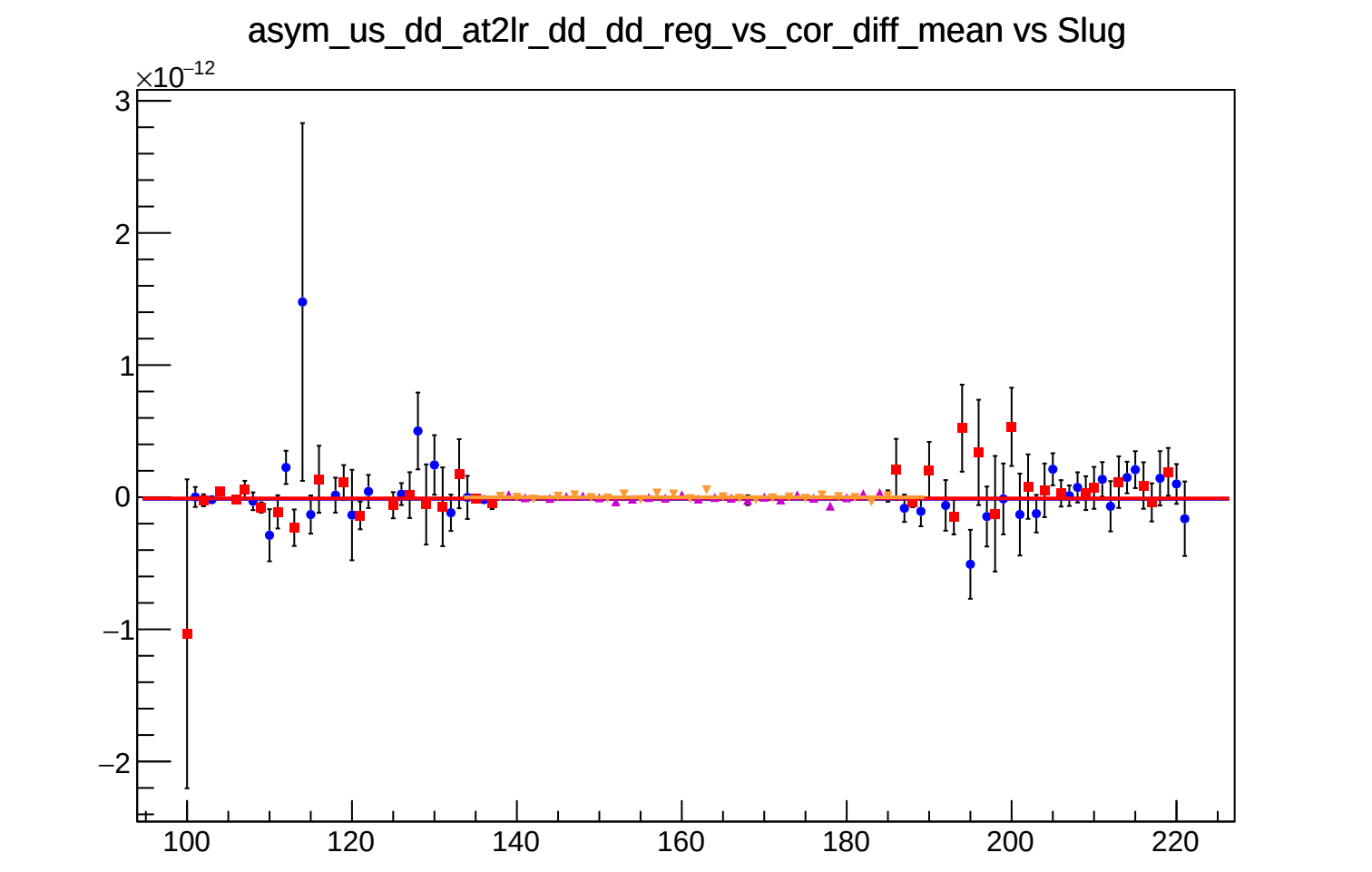
Right Out: 1910.732+/-0.302 χ^2/NDF: 1510538.7/34

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1760.532+/-0.200 χ^2/NDF: 2363707.7/57

All: 1757.066+/-0.142 χ^2/NDF: 4566819.4/11

- sign 1753.560+/-0.201 χ^2/NDF: 2202507.3/57



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

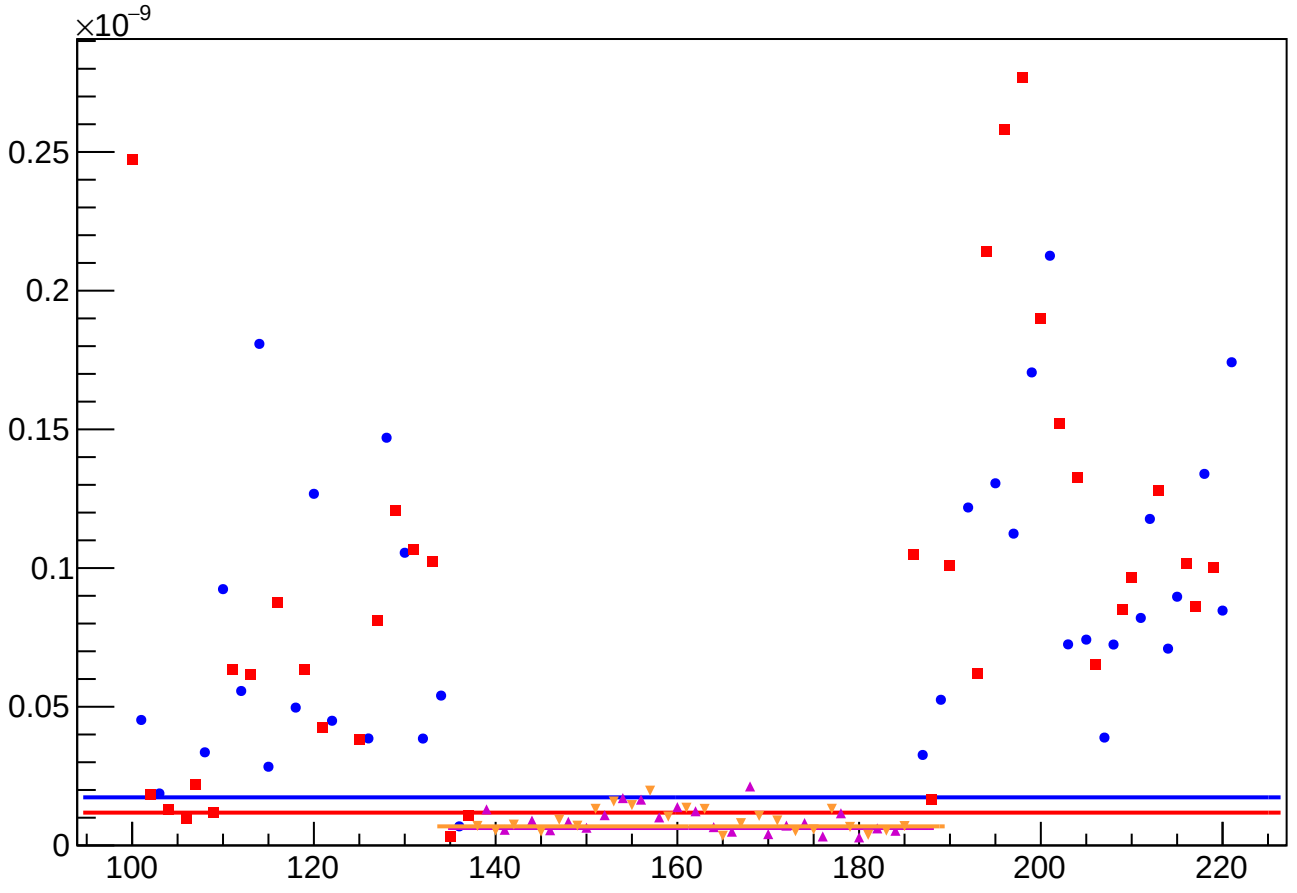
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/34

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.6/57

All: -0.000+/-0.000 χ^2/NDF: 109.1/115

- sign -0.000+/-0.000 χ^2/NDF: 54.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 11977521.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

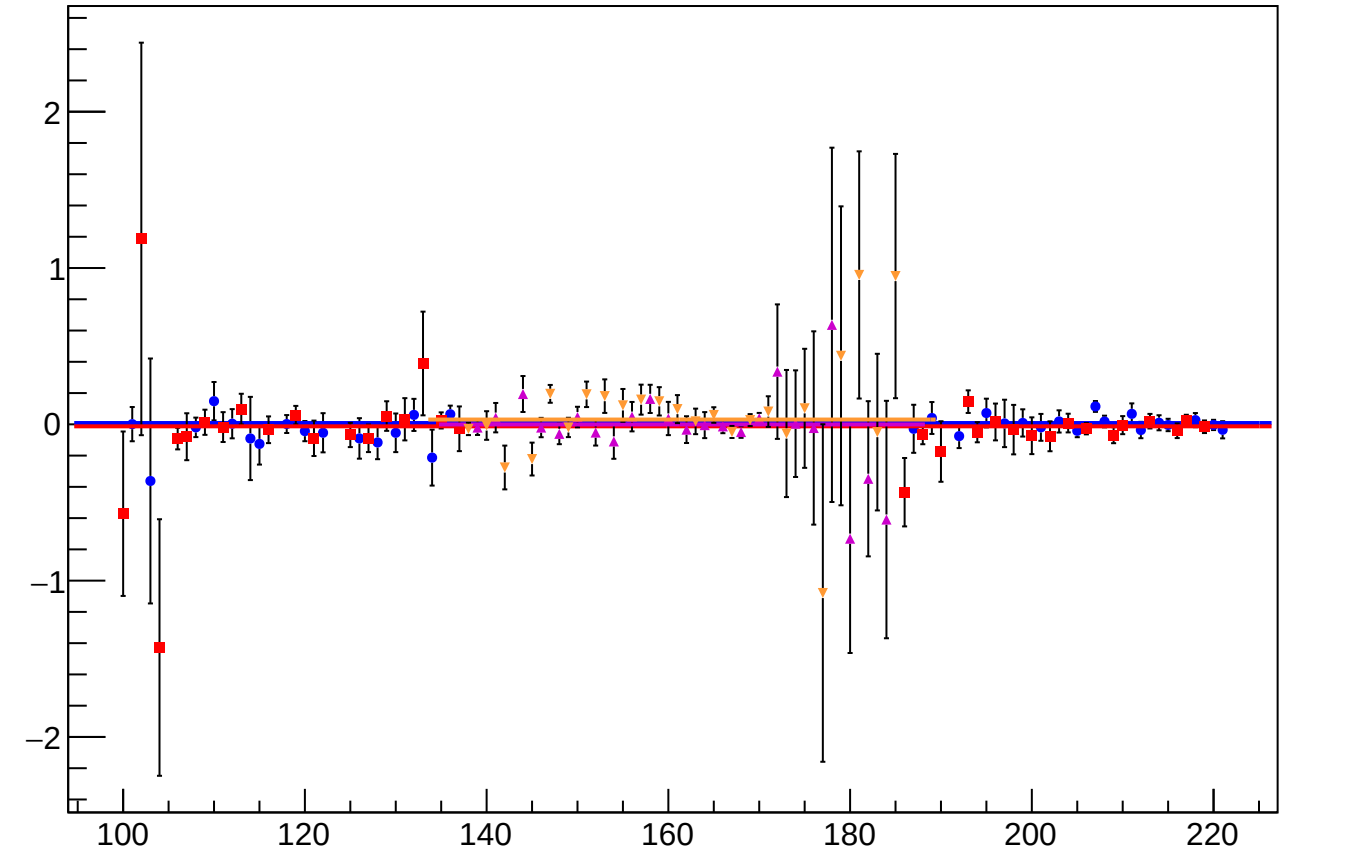
Right Out: 0.000+/-0.000 χ^2/NDF: 13208946.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16326106.8/57

All: 0.000+/-0.000 χ^2/NDF: 33336781.4/115

- sign 0.000+/-0.000 χ^2/NDF: 16899412.4/57



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

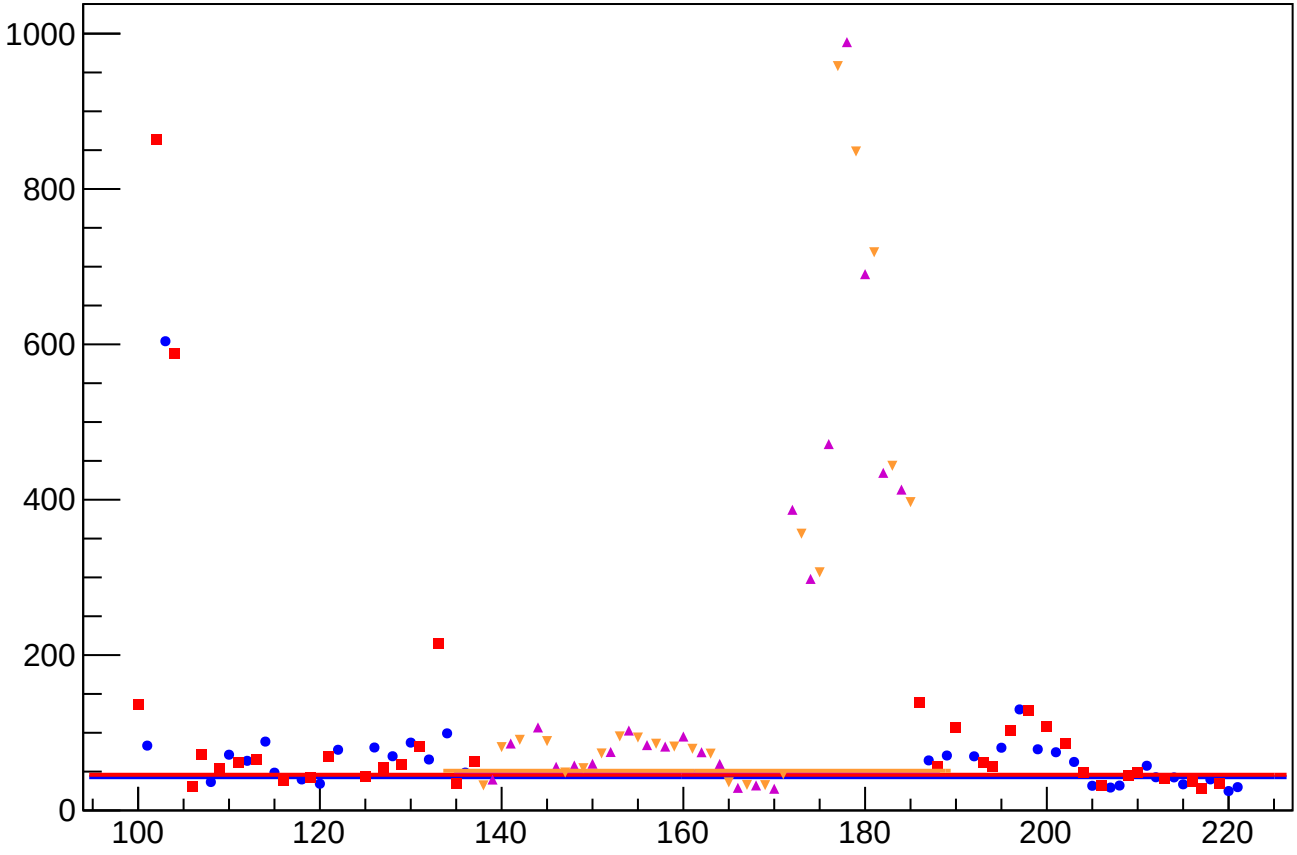
Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 115.3/115

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.810+/-0.008 χ^2/NDF: 6405115.3/33

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

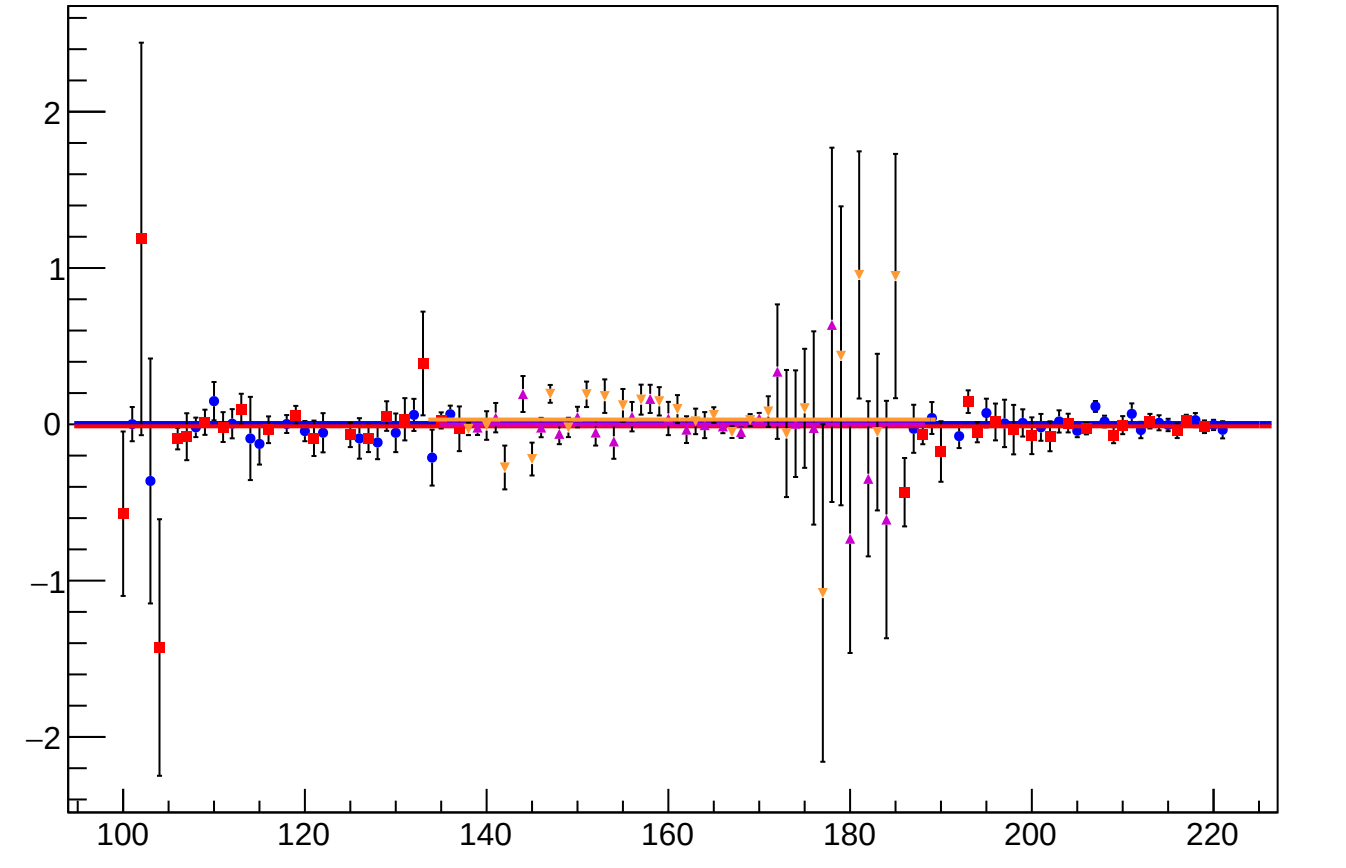
Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 45.566+/-0.006 χ^2/NDF: 18522804.9/57

All: 46.524+/-0.005 χ^2/NDF: 37631204.0/115

- sign 47.579+/-0.007 χ^2/NDF: 19060118.2/57



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

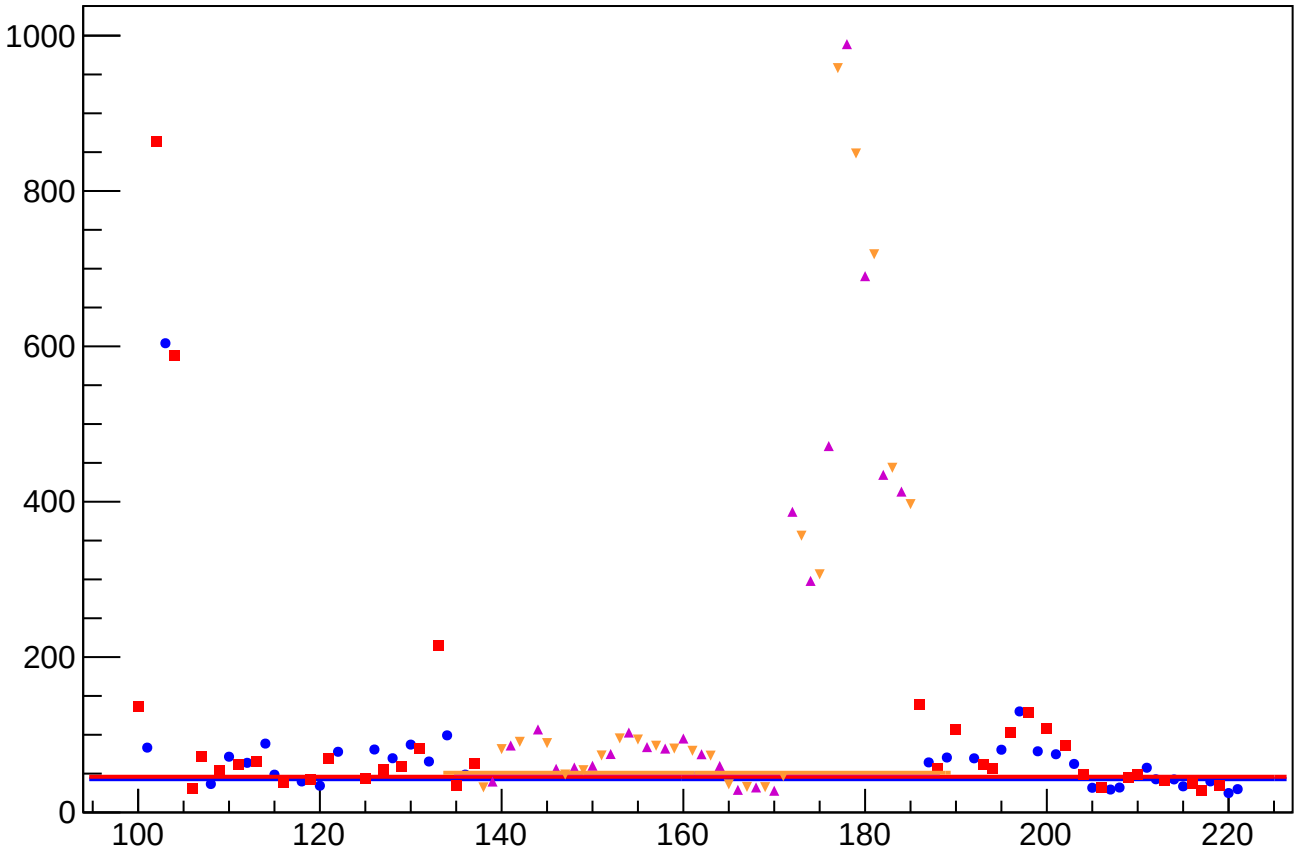
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 115.3/115

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 42.810+/-0.008 χ^2/NDF: 6405115.3/33

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

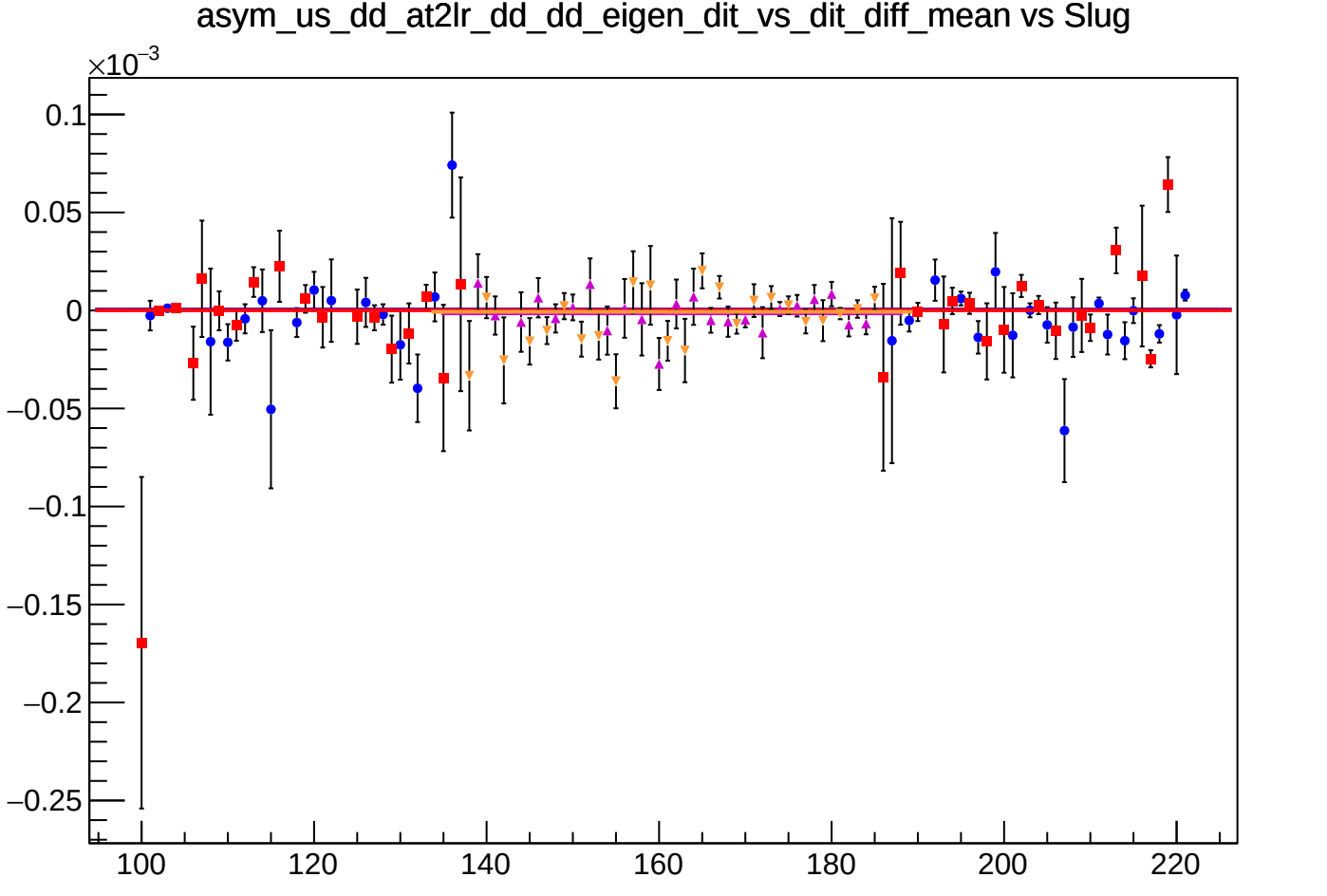
Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 45.566+/-0.006 χ^2/NDF: 18522804.9/57

All: 46.524+/-0.005 χ^2/NDF: 37631204.0/115

- sign 47.579+/-0.007 χ^2/NDF: 19060118.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 59.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

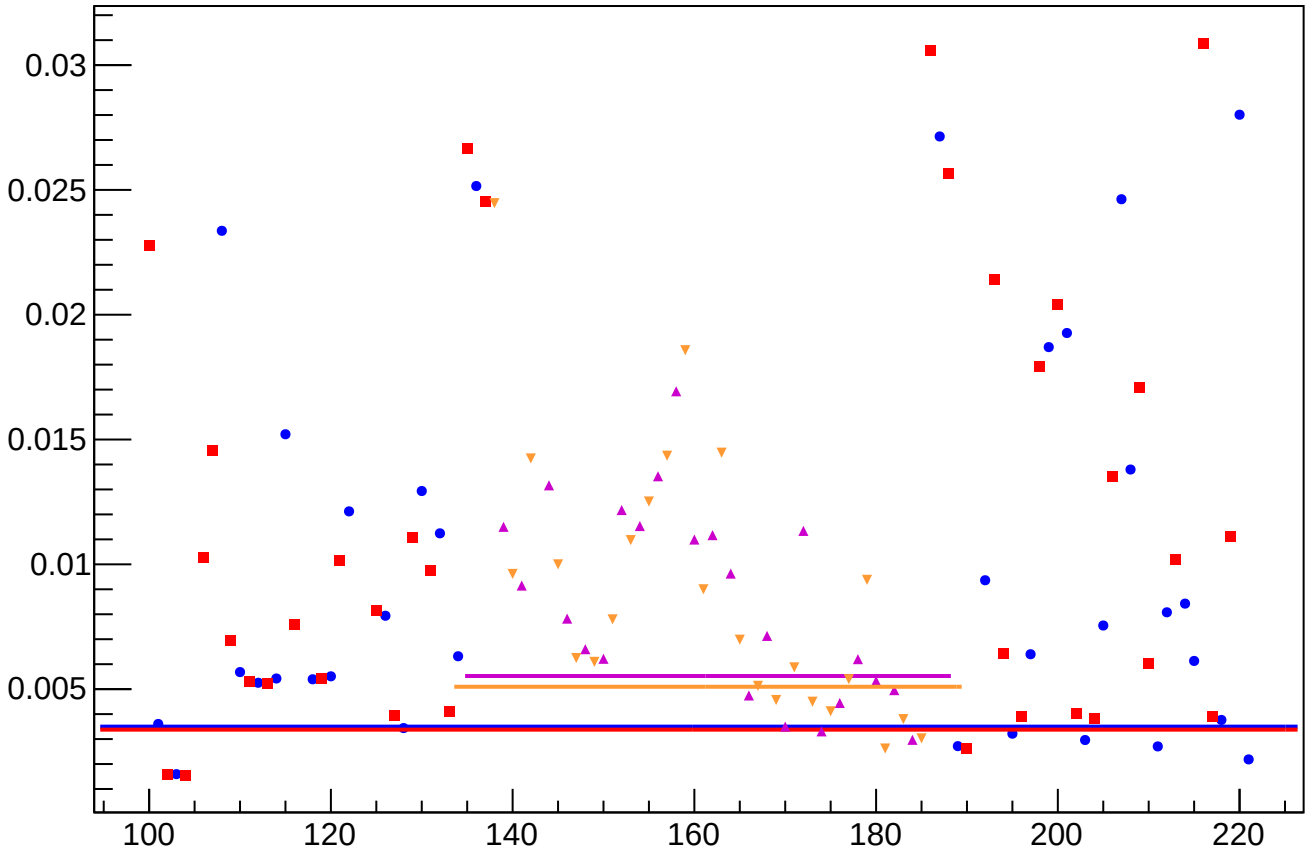
Right Out: 0.000+/-0.000 χ^2/NDF: 88.6/34

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.0/57

All: -0.000+/-0.000 χ^2/NDF: 203.9/115

- sign -0.000+/-0.000 χ^2/NDF: 105.8/57



Right In: 0.003+/-0.000 χ^2/NDF: 15233616.9/33

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

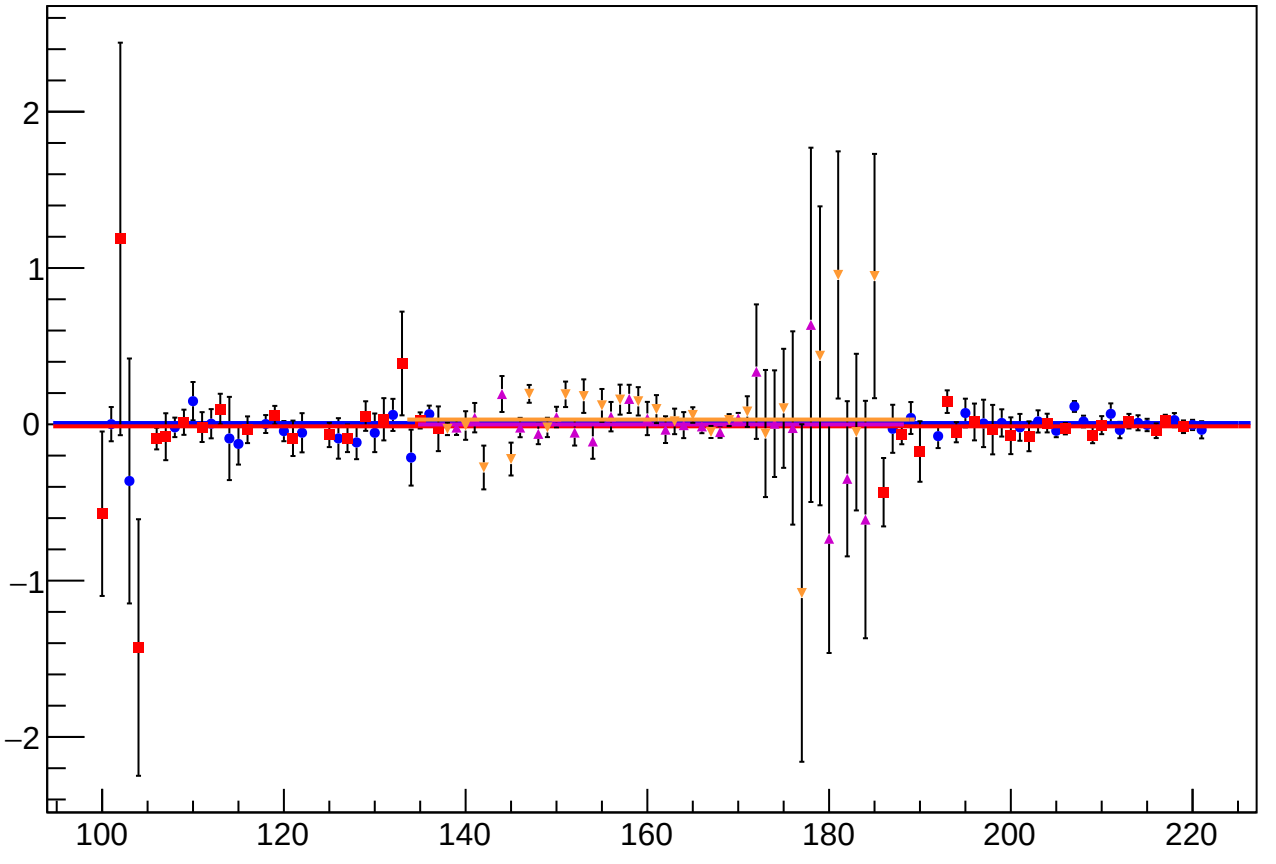
Right Out: 0.003+/-0.000 χ^2/NDF: 18033485.4/34

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 25323699.7/57

All: 0.004+/-0.000 χ^2/NDF: 52979605.0/115

- sign 0.004+/-0.000 χ^2/NDF: 27655293.5/57



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

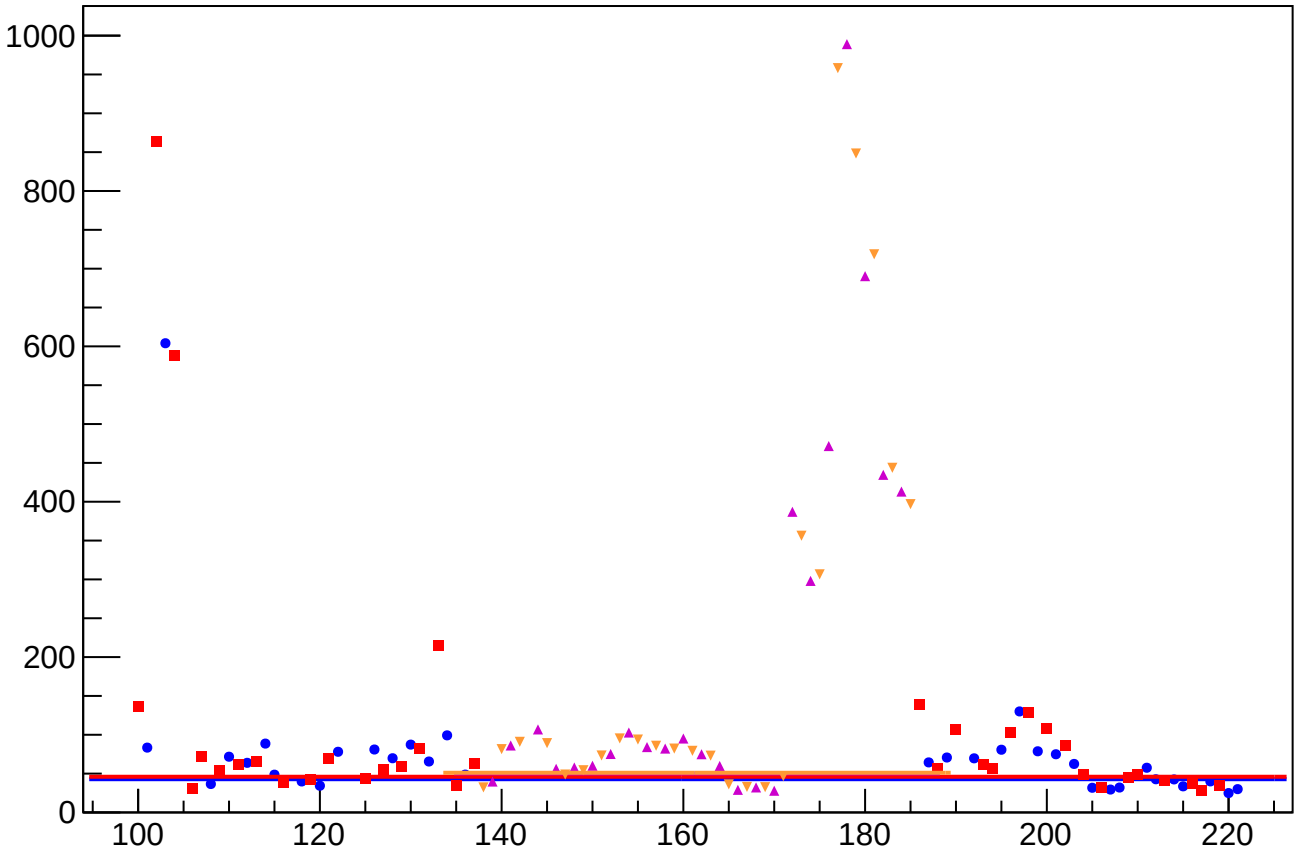
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 115.3/115

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 42.809+/-0.008 χ^2/NDF: 6405432.2/33

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

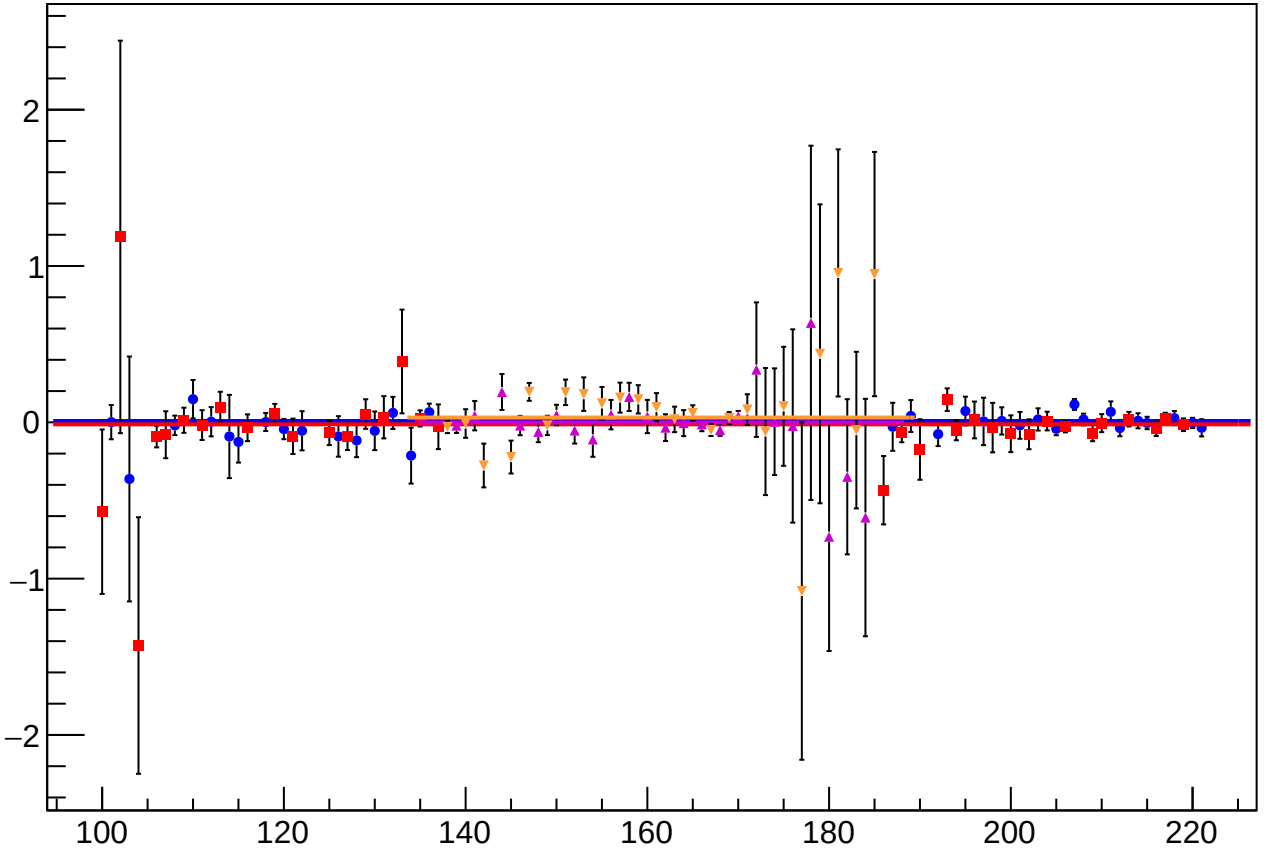
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 45.567+/-0.006 χ^2/NDF: 18522577.7/57

All: 46.525+/-0.005 χ^2/NDF: 37630082.1/115

- sign 47.580+/-0.007 χ^2/NDF: 19059138.0/57

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.011 χ^2/NDF: 24.2/33

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

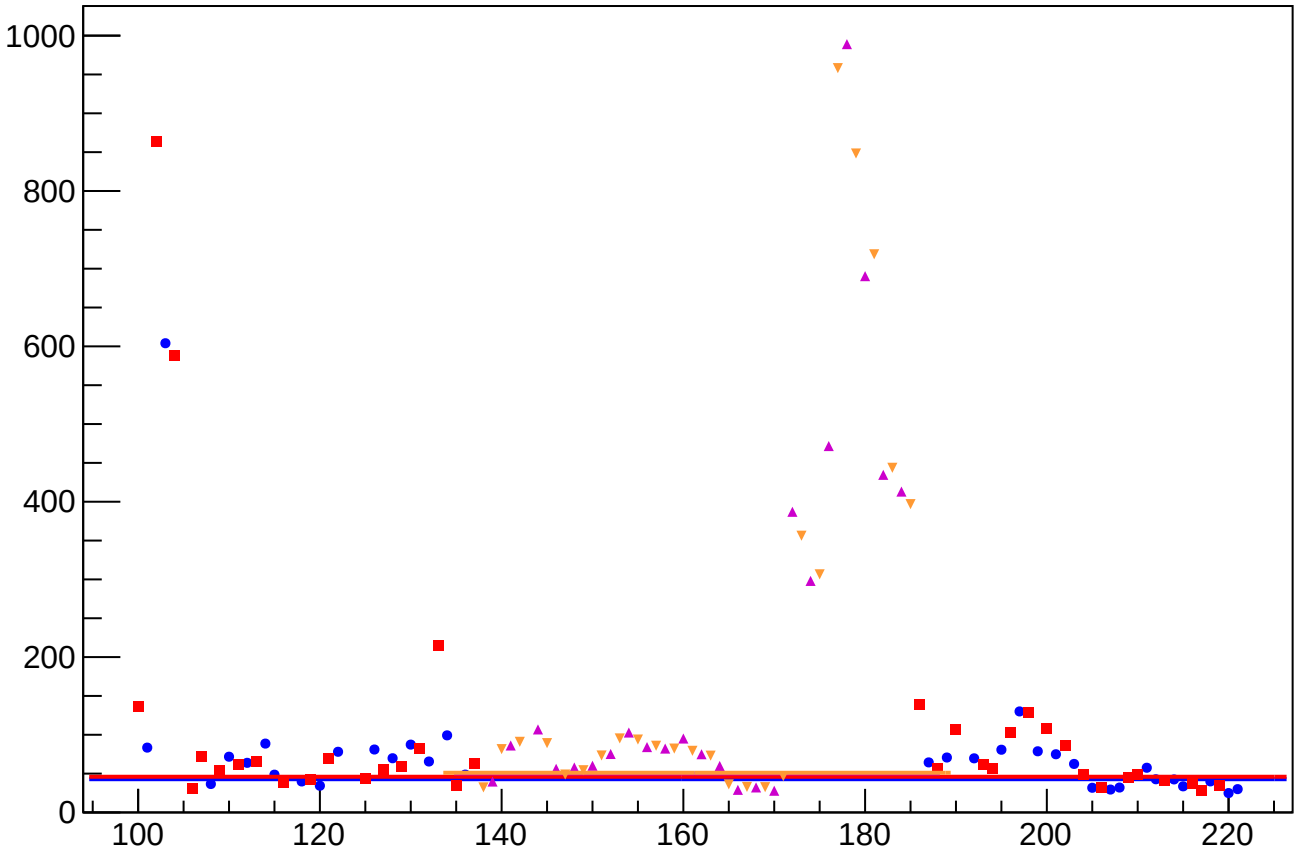
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 67.1/57

All: 0.004+/-0.006 χ^2/NDF: 115.3/115

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 42.809+/-0.008 χ^2/NDF: 6405432.2/33

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

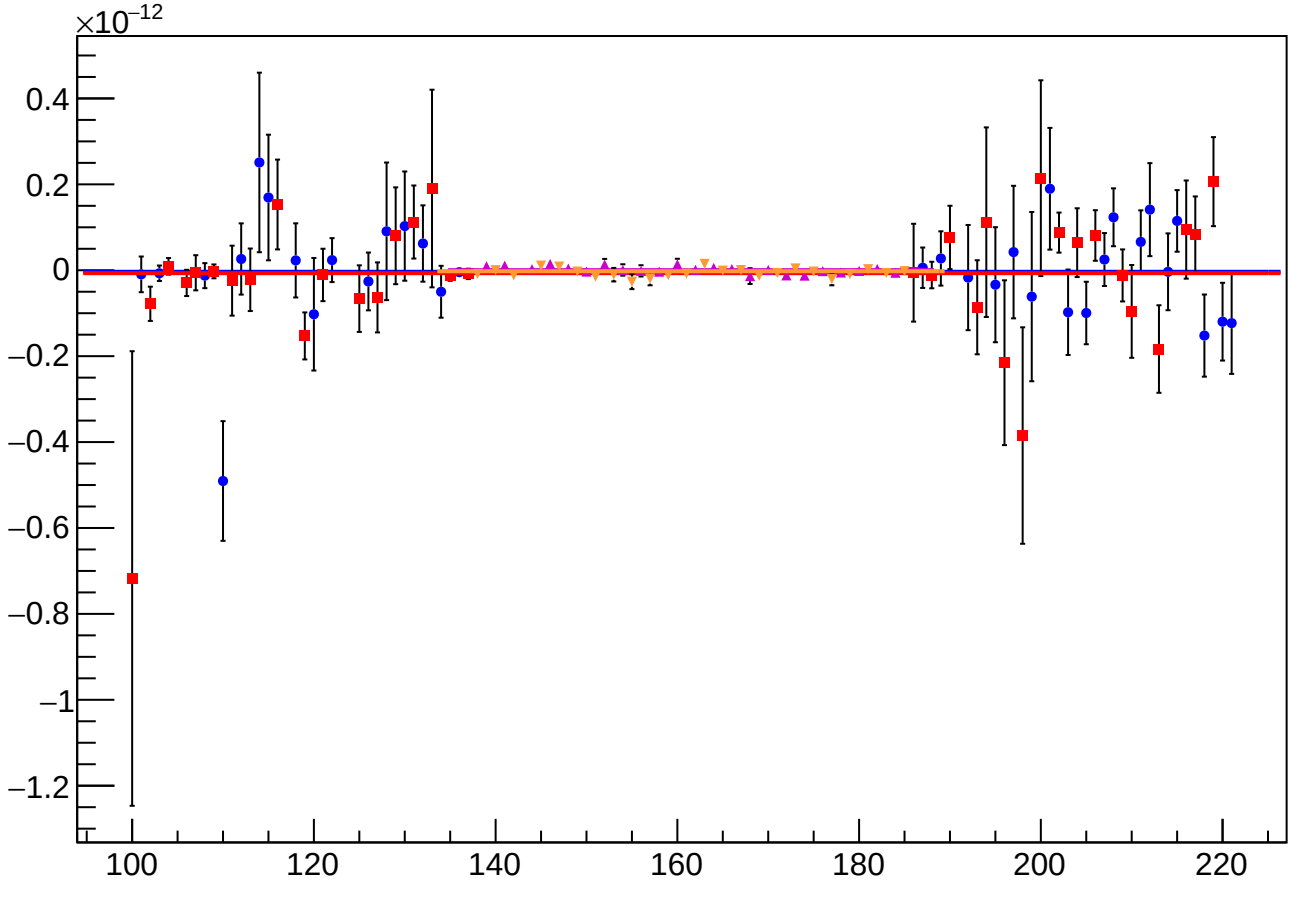
Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 45.567+/-0.006 χ^2/NDF: 18522577.7/57

All: 46.525+/-0.005 χ^2/NDF: 37630082.1/115

- sign 47.580+/-0.007 χ^2/NDF: 19059138.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

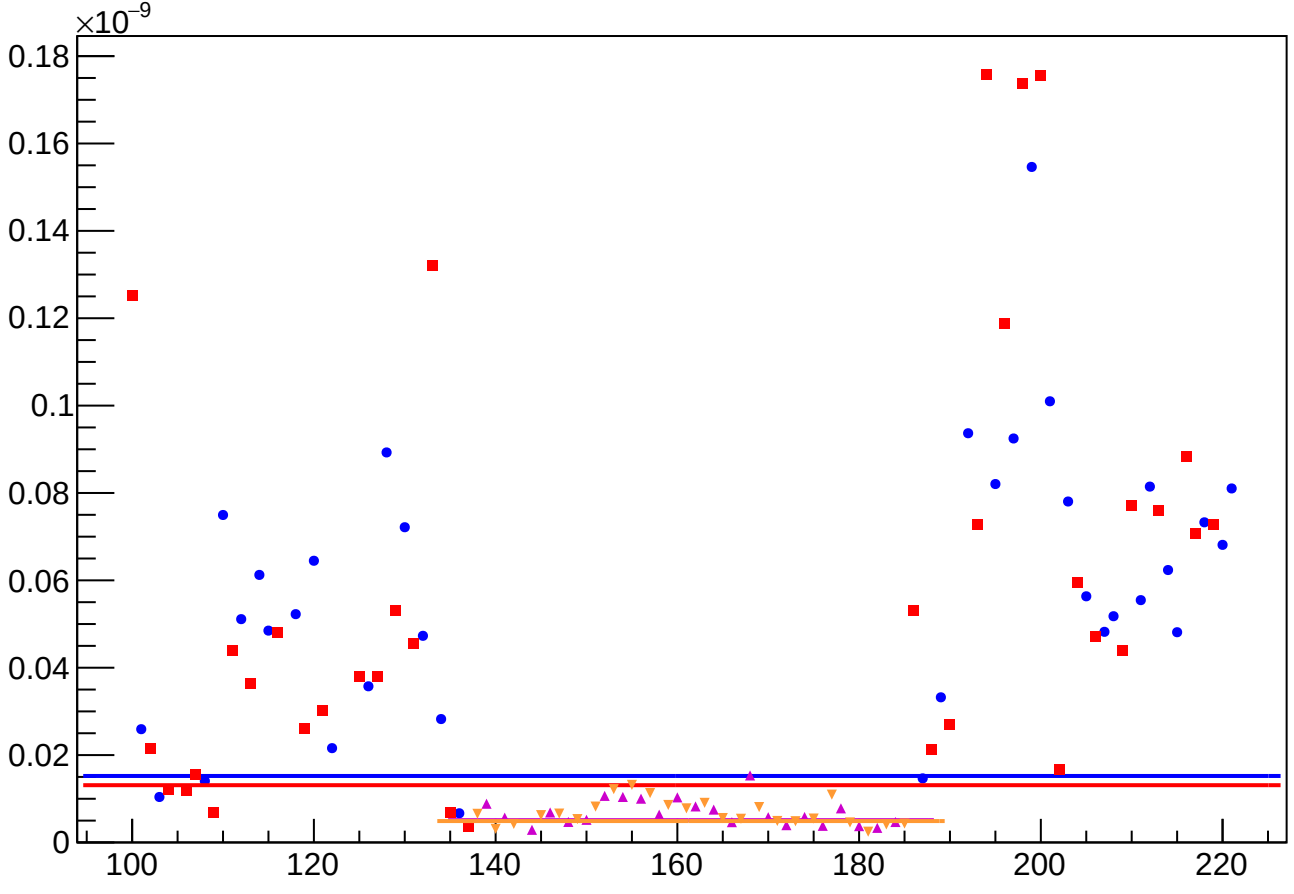
Right Out: -0.000+/-0.000 χ^2/NDF: 43.8/34

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.2/57

All: -0.000+/-0.000 χ^2/NDF: 124.5/115

- sign -0.000+/-0.000 χ^2/NDF: 63.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 16143353.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14966462.7/34

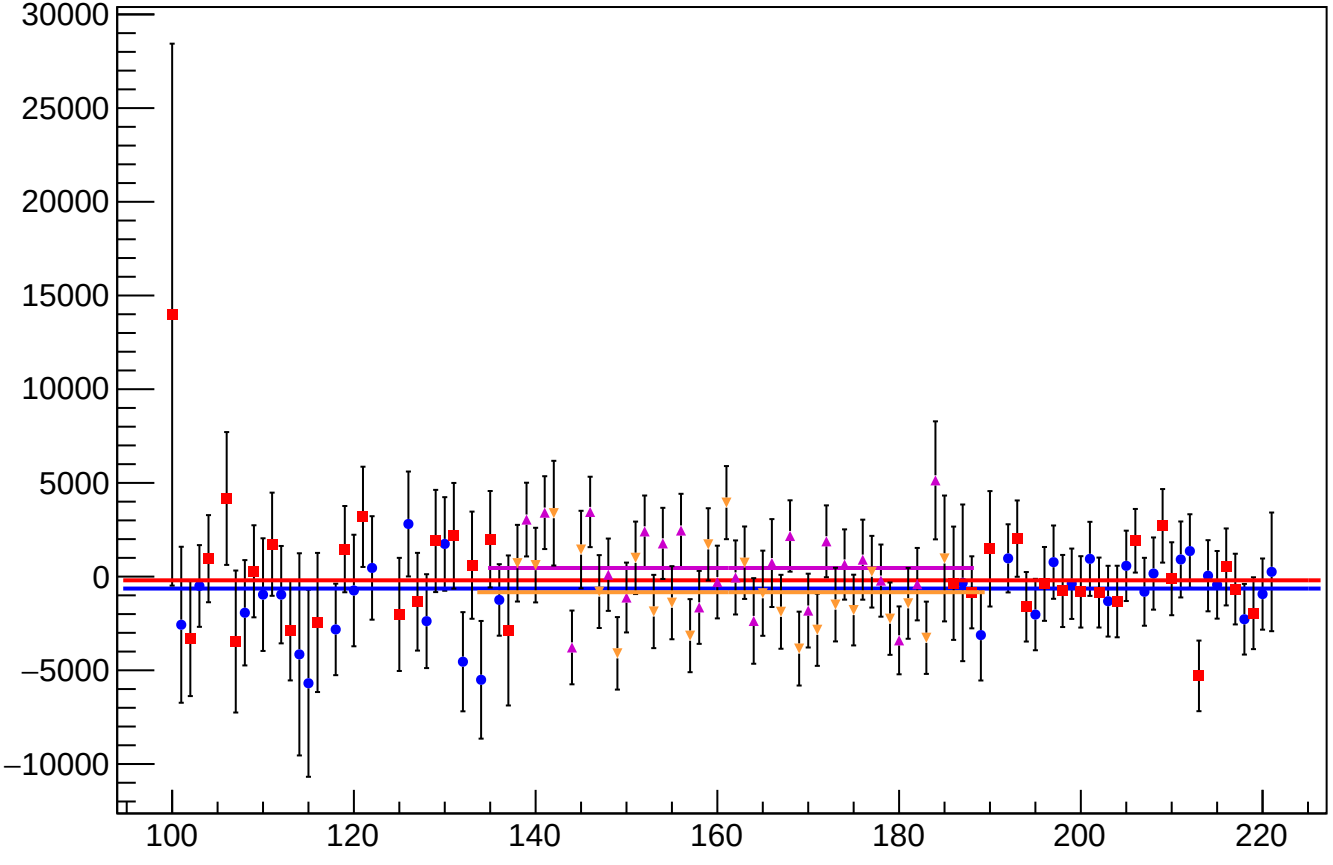
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 25304481.2/57

All: 0.000+/-0.000 χ^2/NDF: 47319722.4/115

- sign 0.000+/-0.000 χ^2/NDF: 22002205.4/57

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -637.844+/-389.355 χ^2/NDF: 17.4/33

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -197.938+/-393.355 χ^2/NDF: 26.6/34

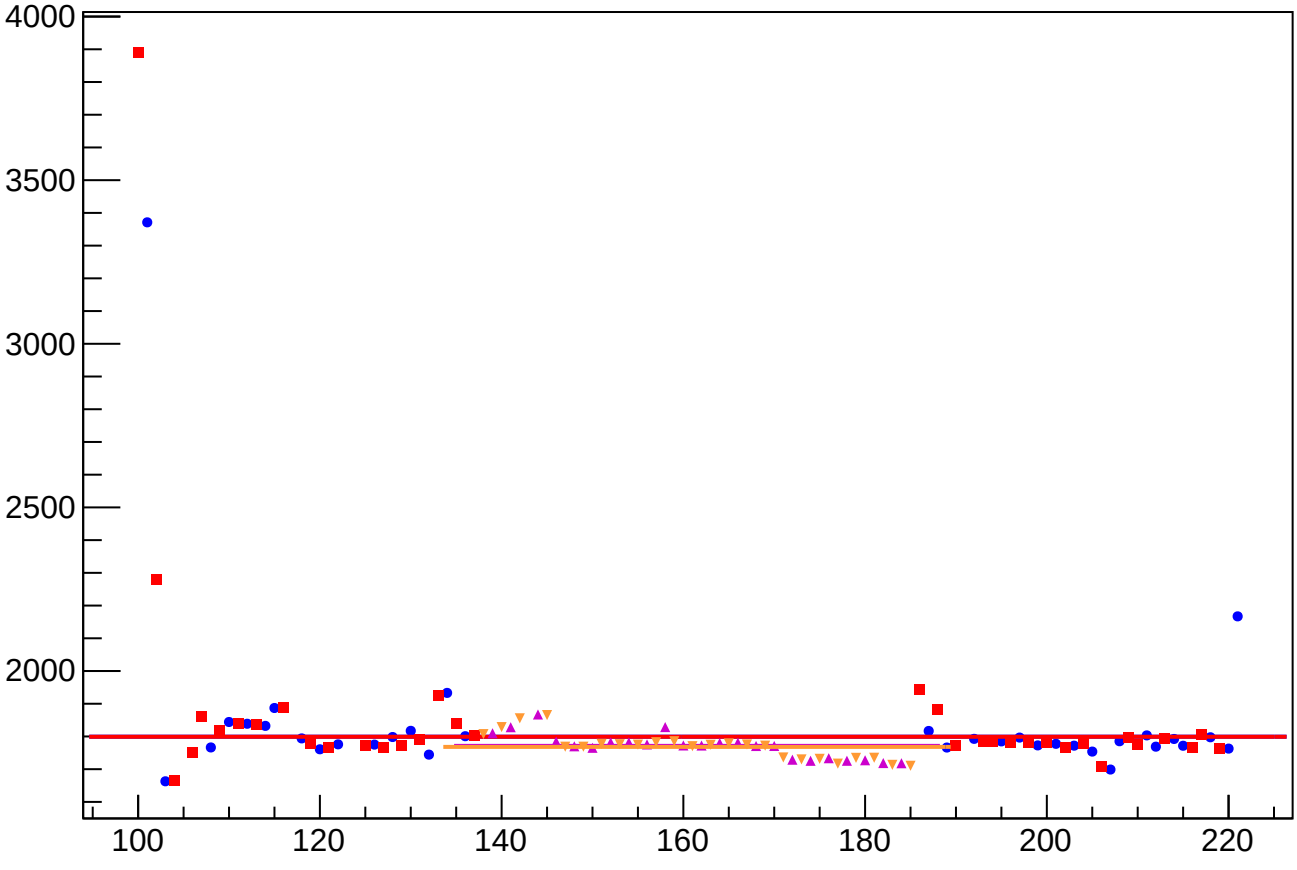
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -730.081+/-282.478 χ^2/NDF: 42.9/57

All: -311.703+/-200.643 χ^2/NDF: 102.5/115

- sign 114.312+/-285.045 χ^2/NDF: 55.2/57

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1799.331+/-0.275 χ^2/NDF: 337951.6/33

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

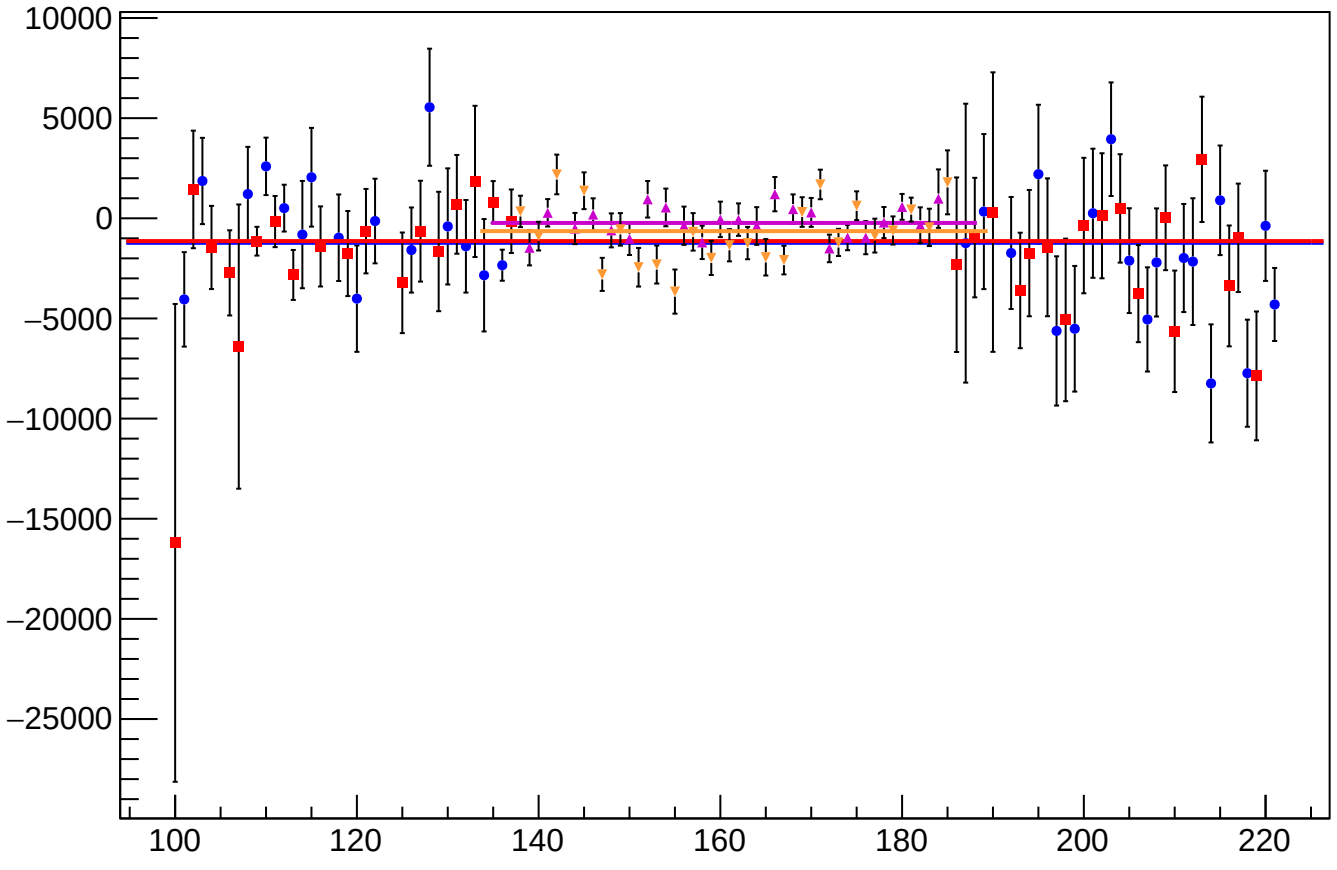
Right Out: 1799.076+/-0.278 χ^2/NDF: 123633.3/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.550+/-0.200 χ^2/NDF: 360394.6/57

All: 1785.193+/-0.142 χ^2/NDF: 505238.5/115

- sign 1785.847+/-0.202 χ^2/NDF: 144823.0/57



Right In: -1223.137+/-370.162 χ^2/NDF: 50.6/33

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

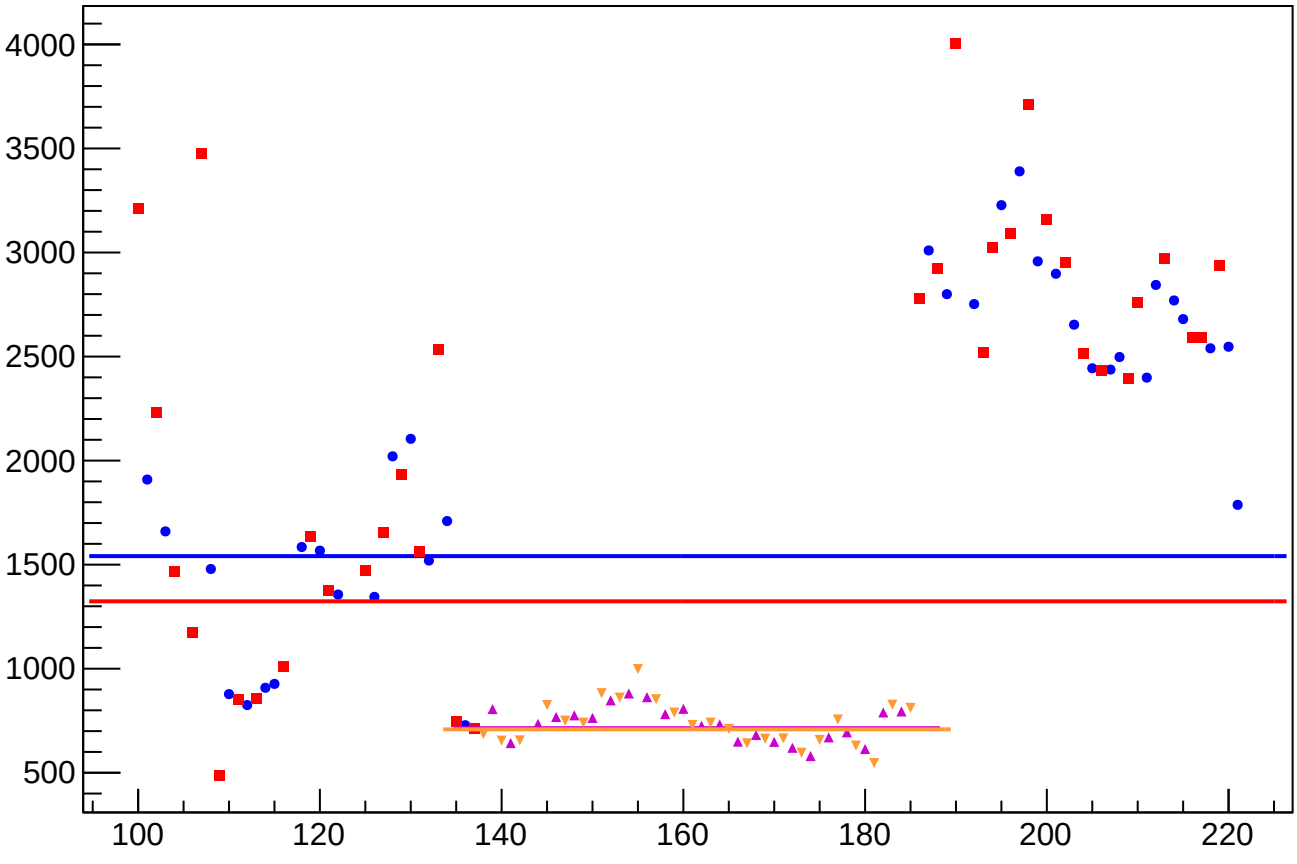
Right Out: -1137.409+/-349.022 χ^2/NDF: 24.5/34

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

\+ sign -738.934+/-151.808 χ^2/NDF: 119.3/57

All: -570.122+/-107.274 χ^2/NDF: 171.7/115

\- sign -401.749+/-151.610 χ^2/NDF: 49.9/57



Right In: 1541.008+/-0.262 χ^2/NDF: 9096783.8/33

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1323.810+/-0.247 χ^2/NDF: 12873705.5/34

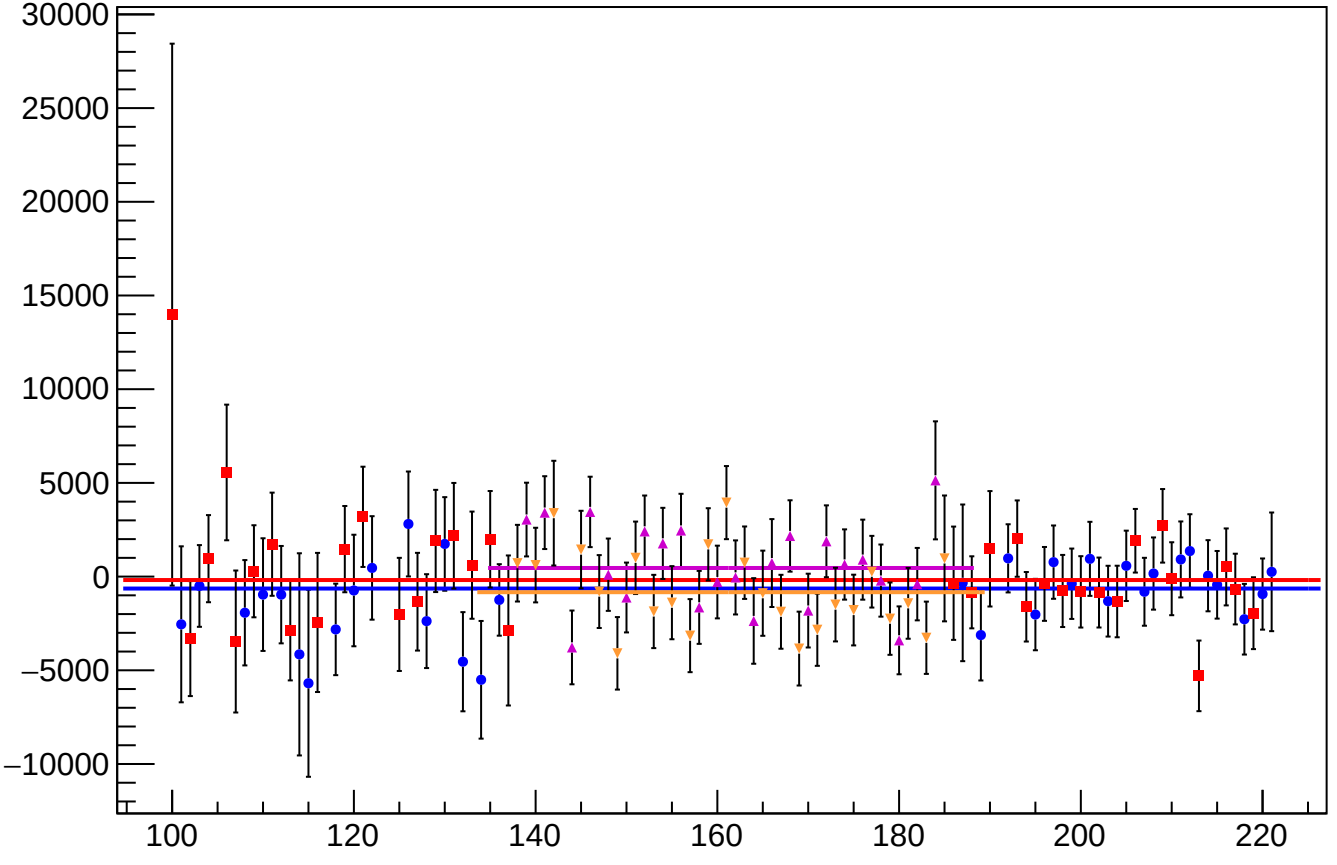
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 848.523+/-0.107 χ^2/NDF: 18212071.8/57

All: 838.847+/-0.076 χ^2/NDF: 36549990.5/11

- sign 829.197+/-0.107 χ^2/NDF: 18321690.3/57

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -637.608+/-389.355 χ^2/NDF: 17.3/33

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -183.712+/-393.454 χ^2/NDF: 27.6/34

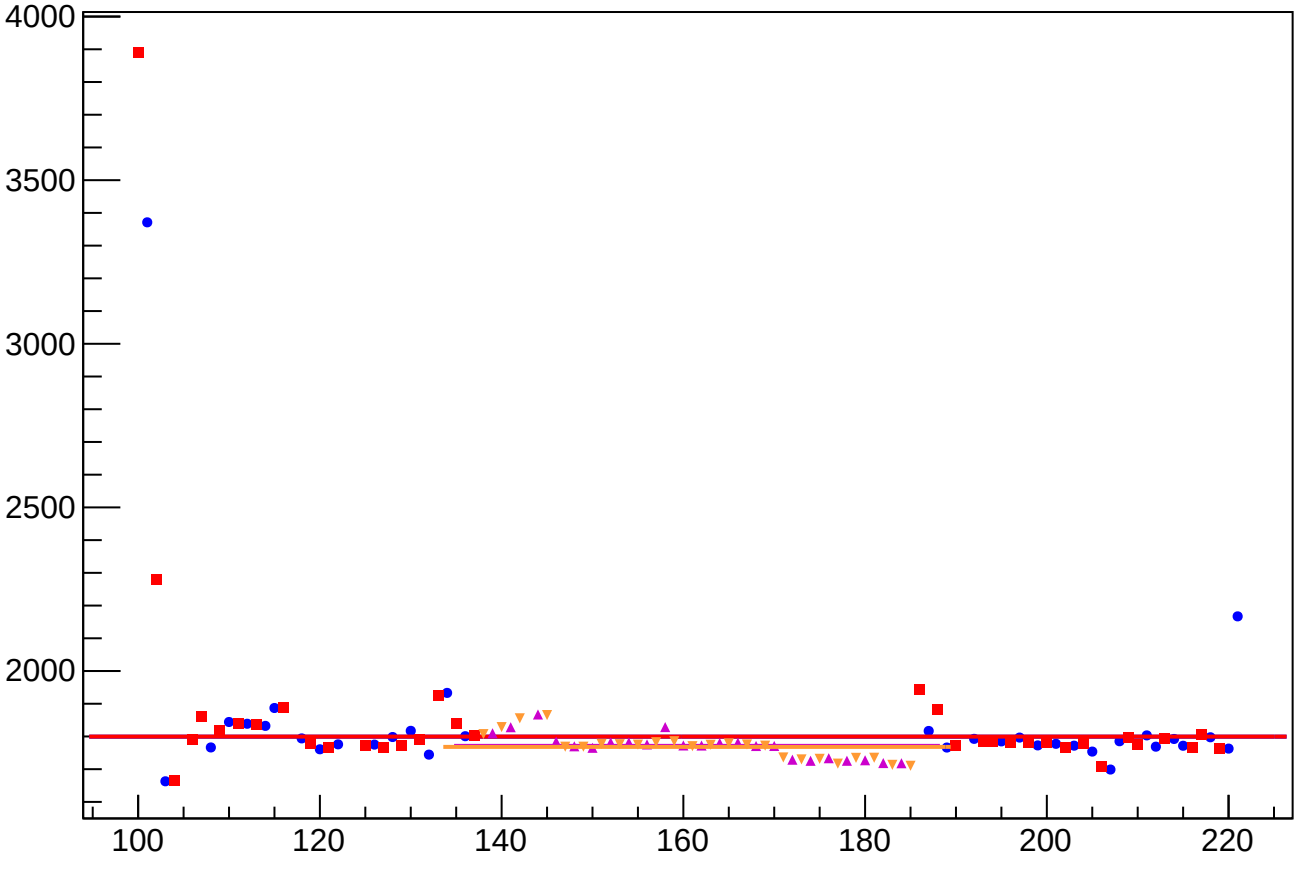
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -729.906+/-282.478 χ^2/NDF: 42.9/57

All: -307.939+/-200.657 χ^2/NDF: 103.5/115

- sign 121.844+/-285.082 χ^2/NDF: 56.1/57

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1799.330+/-0.275 χ^2/NDF: 337953.5/33

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

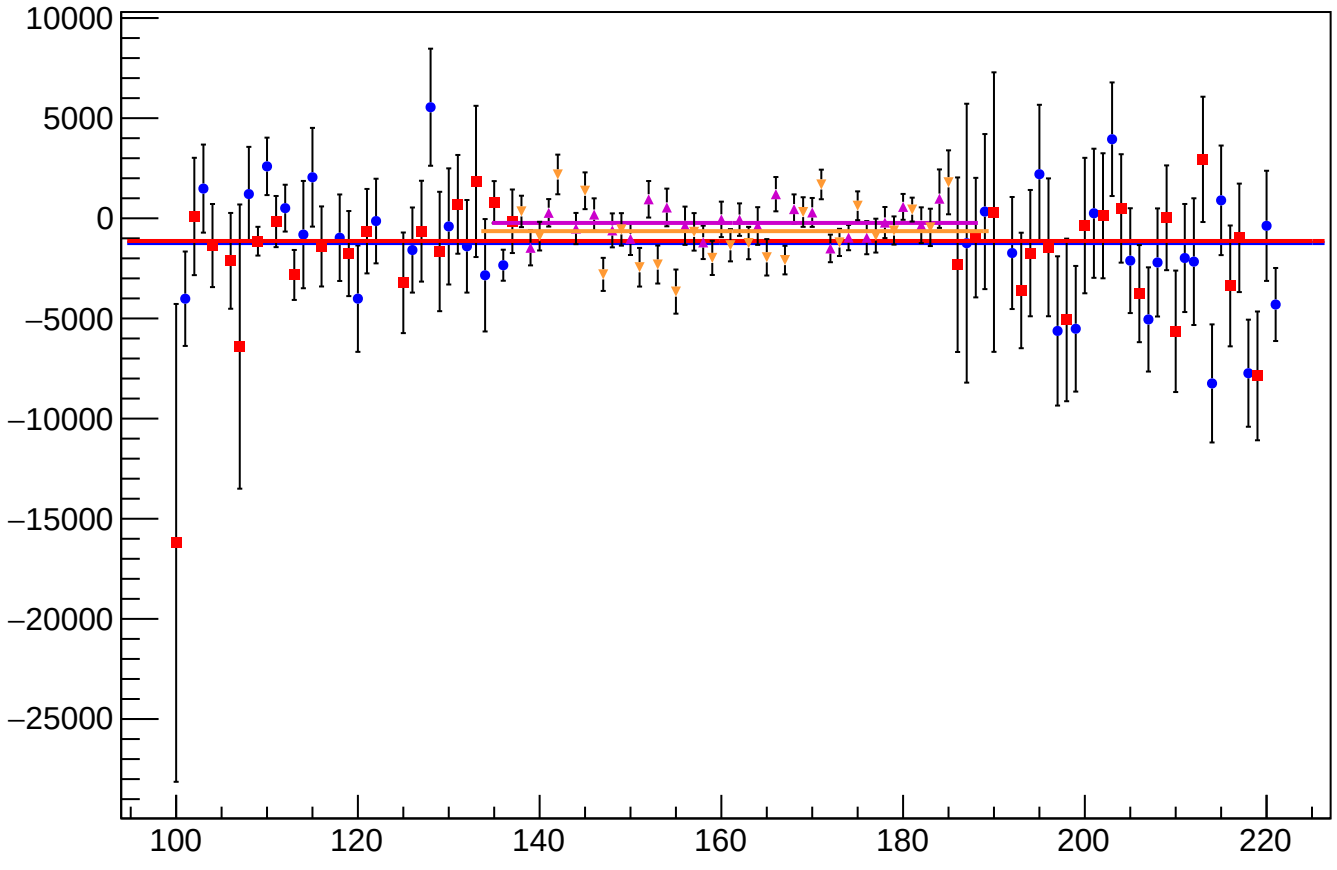
Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.550+/-0.200 χ^2/NDF: 360396.4/57

All: 1785.323+/-0.142 χ^2/NDF: 505055.2/115

- sign 1786.110+/-0.202 χ^2/NDF: 144628.6/57



Right In: -1236.838+/-370.382 χ^2/NDF: 50.0/33

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

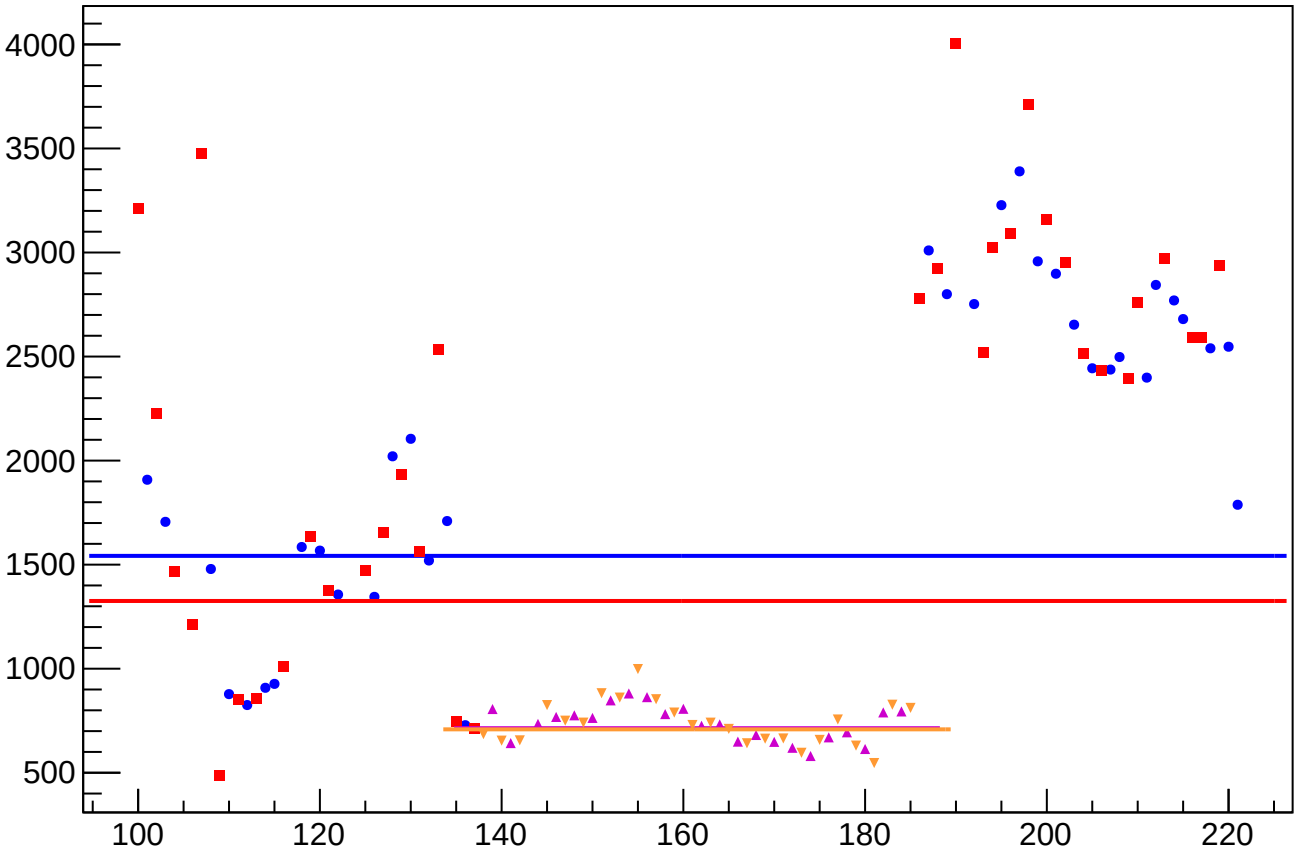
Right Out: -1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -741.120+/-151.824 χ^2/NDF: 118.9/57

All: -570.331+/-107.308 χ^2/NDF: 170.2/115

- sign -399.843+/-151.690 χ^2/NDF: 48.8/57



Right In: 1542.177+/-0.262 χ^2/NDF: 9101689.4/33

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

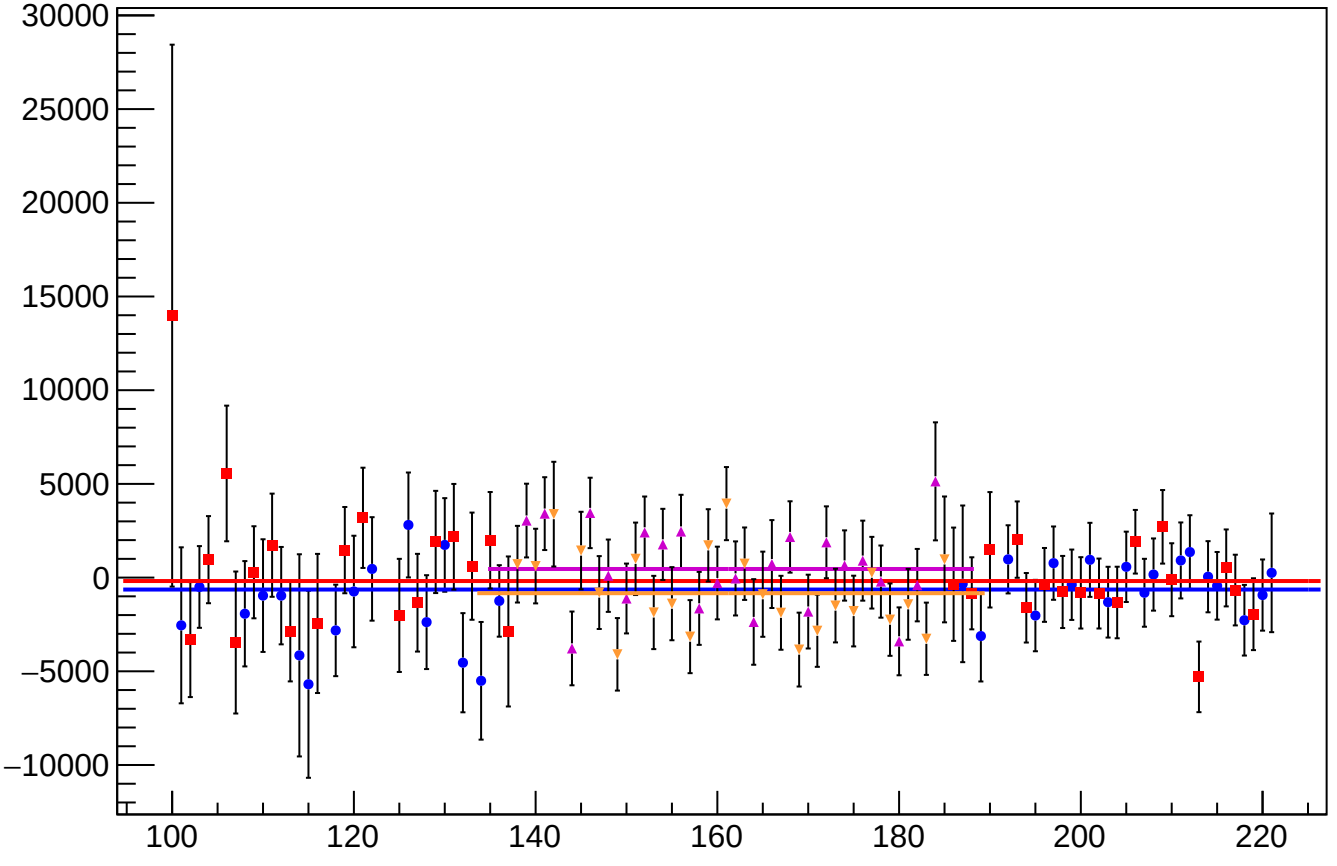
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 848.587+/-0.107 χ^2/NDF: 18232133.8/57

All: 838.780+/-0.076 χ^2/NDF: 36567912.5/11

- sign 828.991+/-0.107 χ^2/NDF: 18319103.2/57

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -637.608+/-389.355 χ^2/NDF: 17.3/33

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -183.712+/-393.454 χ^2/NDF: 27.6/34

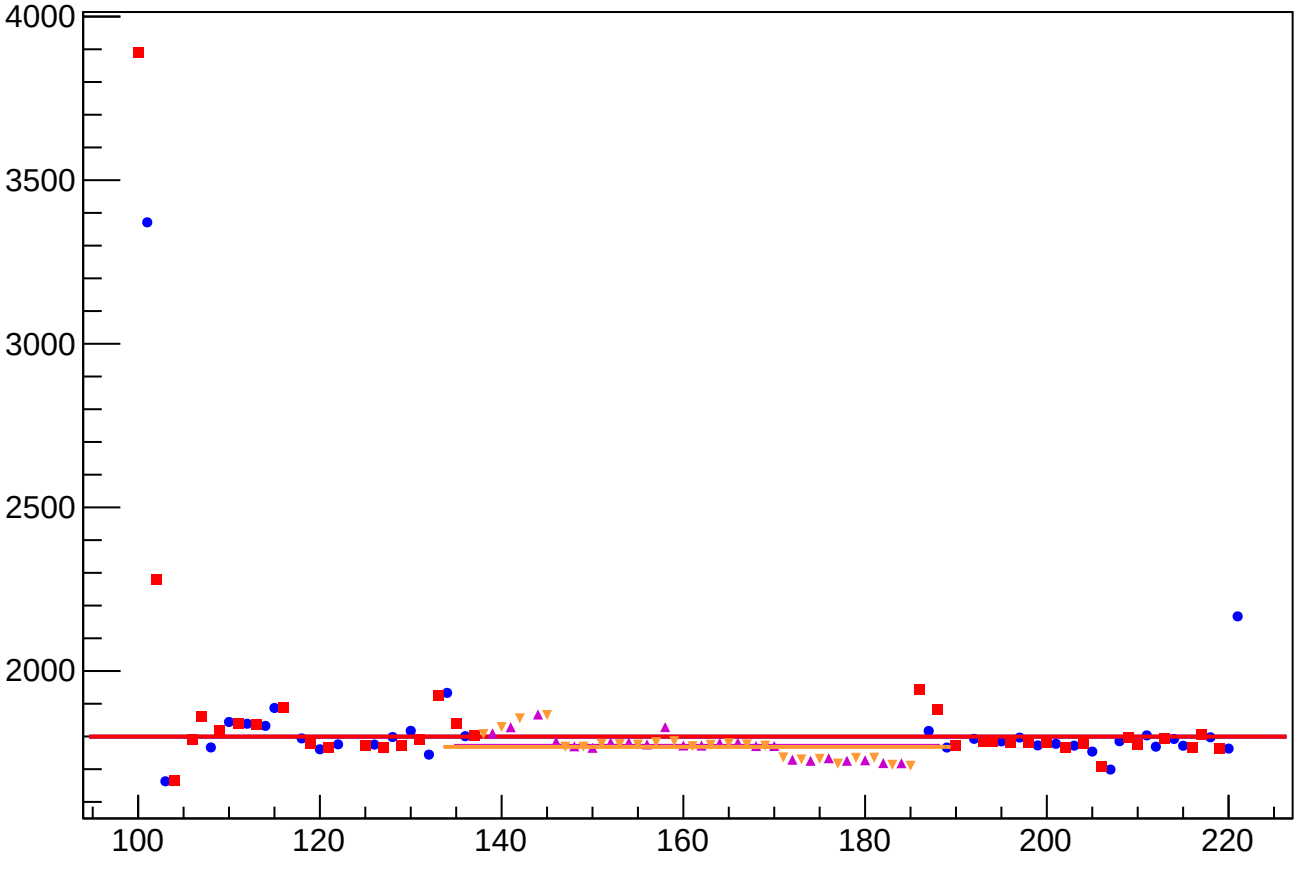
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -729.906+/-282.478 χ^2/NDF: 42.9/57

All: -307.939+/-200.657 χ^2/NDF: 103.5/115

- sign 121.844+/-285.082 χ^2/NDF: 56.1/57

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1799.330+/-0.275 χ^2/NDF: 337953.5/33

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

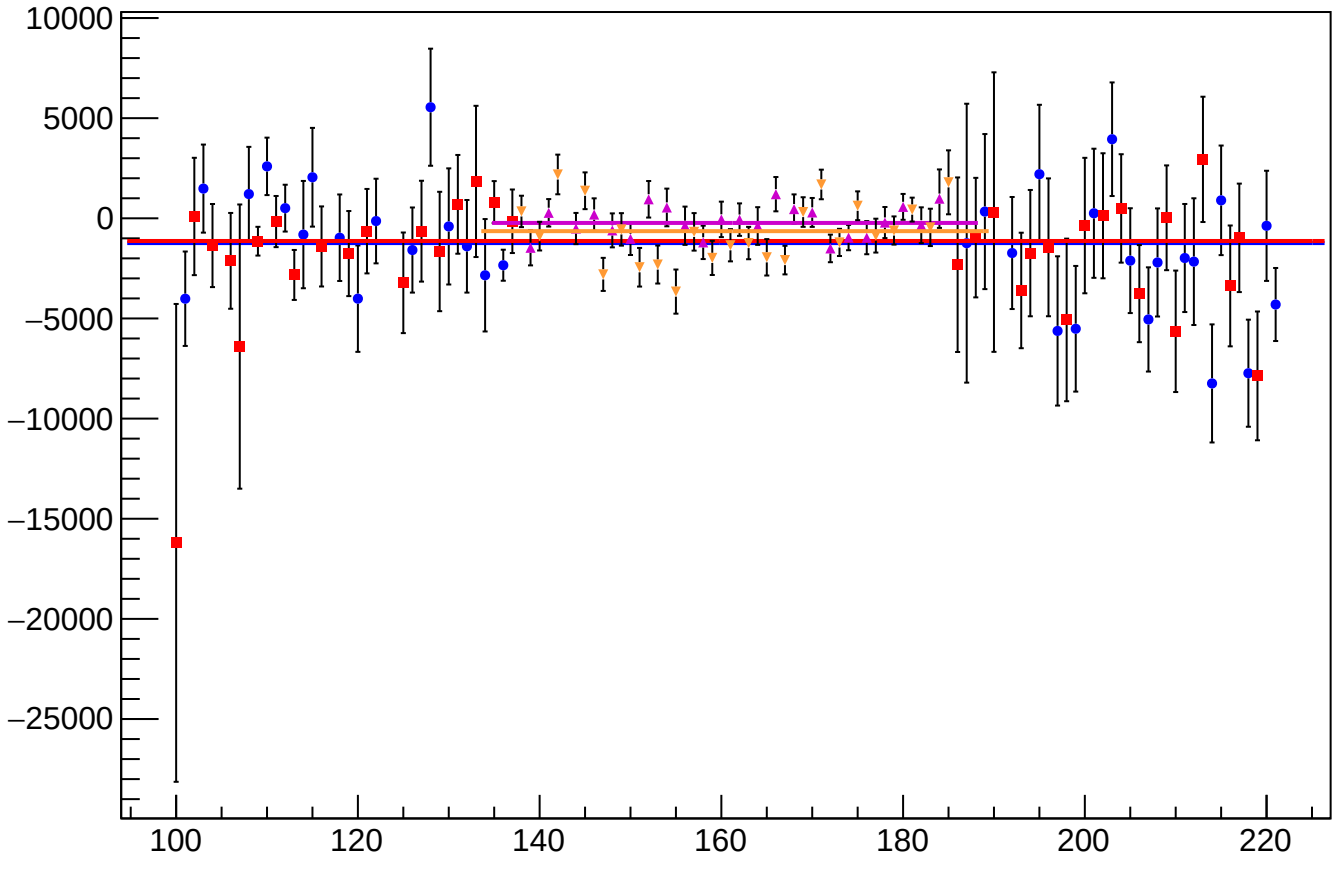
Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1784.550+/-0.200 χ^2/NDF: 360396.4/57

All: 1785.323+/-0.142 χ^2/NDF: 505055.2/115

- sign 1786.110+/-0.202 χ^2/NDF: 144628.6/57



Right In: -1236.838+/-370.382 χ^2/NDF: 50.0/33

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

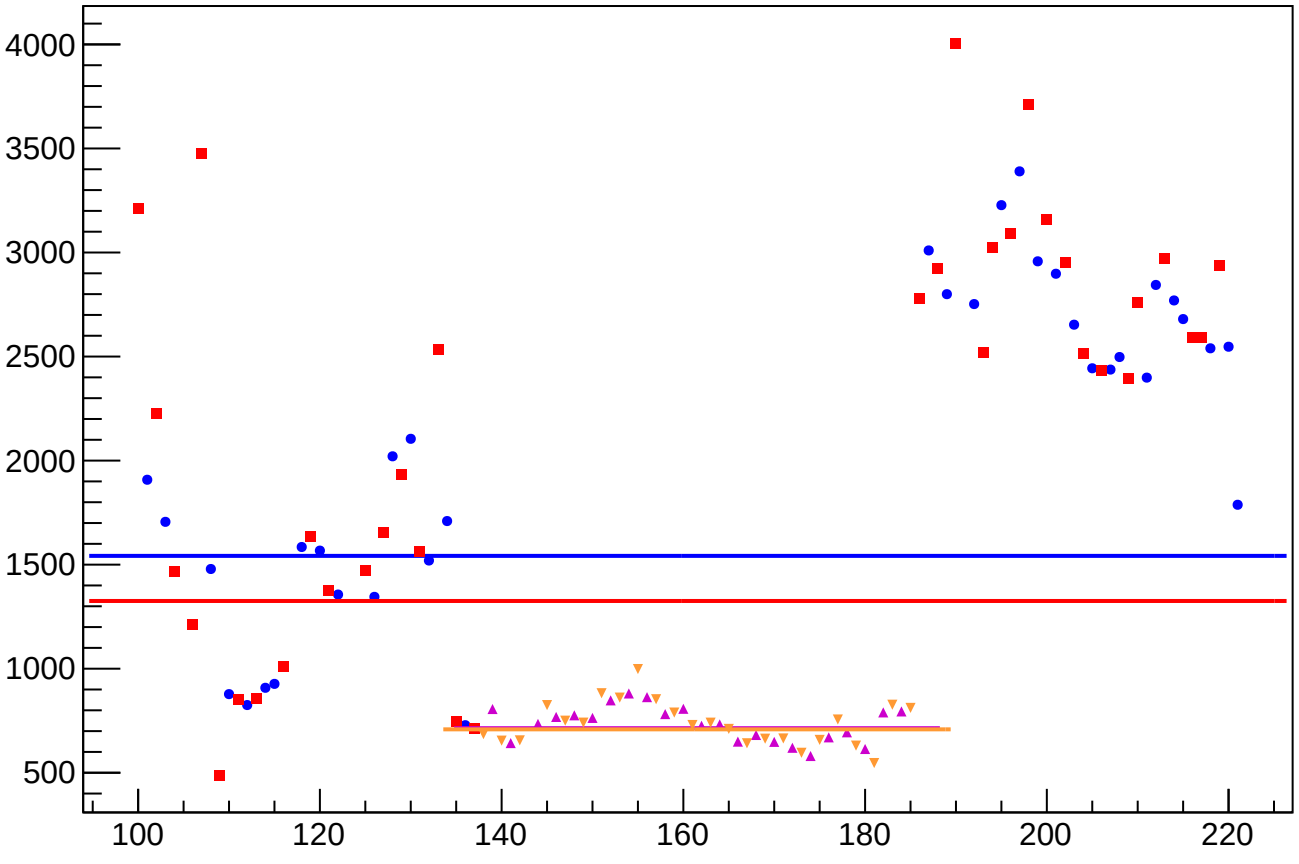
Right Out: -1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -741.120+/-151.824 χ^2/NDF: 118.9/57

All: -570.331+/-107.308 χ^2/NDF: 170.2/115

- sign -399.843+/-151.690 χ^2/NDF: 48.8/57



Right In: 1542.177+/-0.262 χ^2/NDF: 9101689.4/33

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

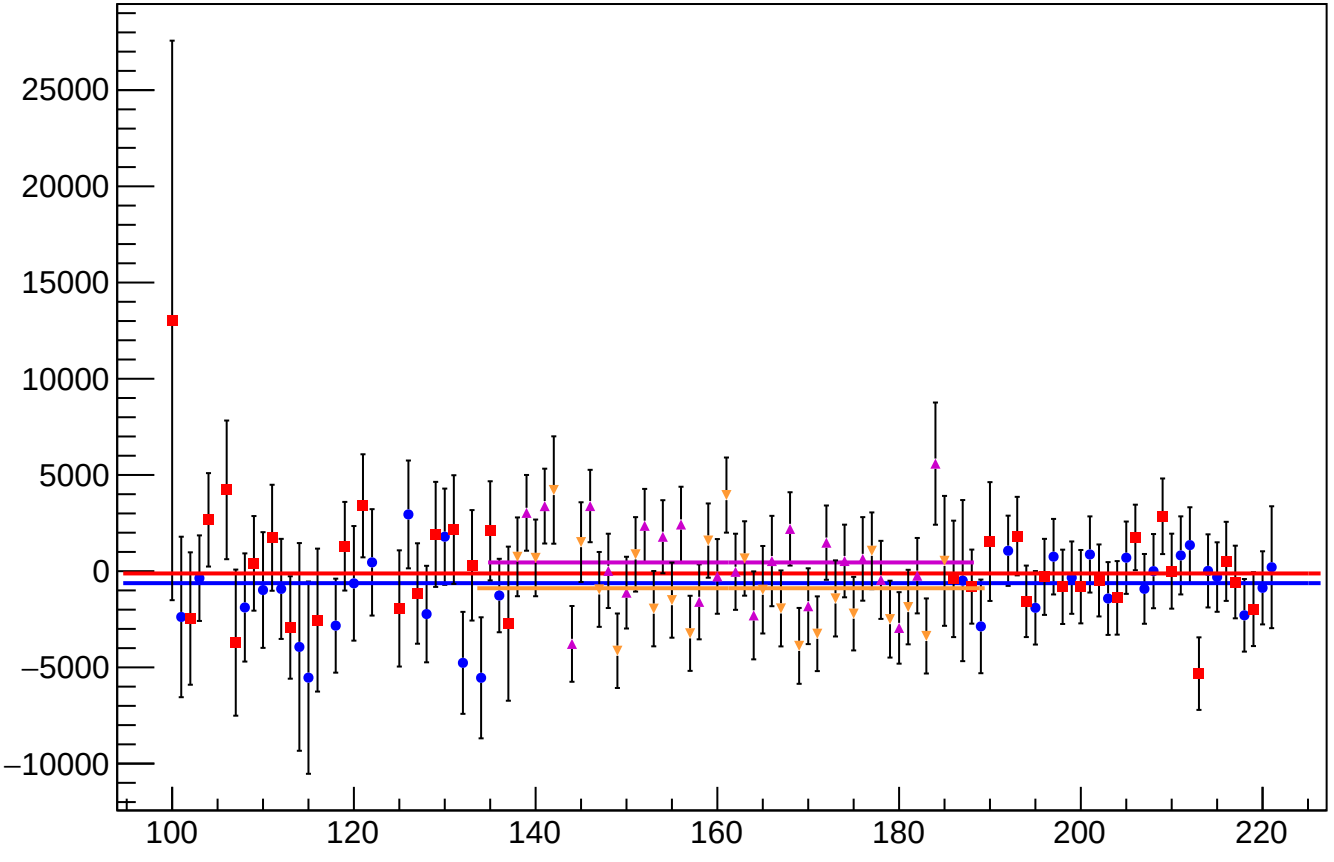
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 848.587+/-0.107 χ^2/NDF: 18232133.8/57

All: 838.780+/-0.076 χ^2/NDF: 36567912.5/11

- sign 828.991+/-0.107 χ^2/NDF: 18319103.2/57

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -622.657+/-390.108 χ^2/NDF: 17.3/33

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -118.256+/-395.127 χ^2/NDF: 26.9/34

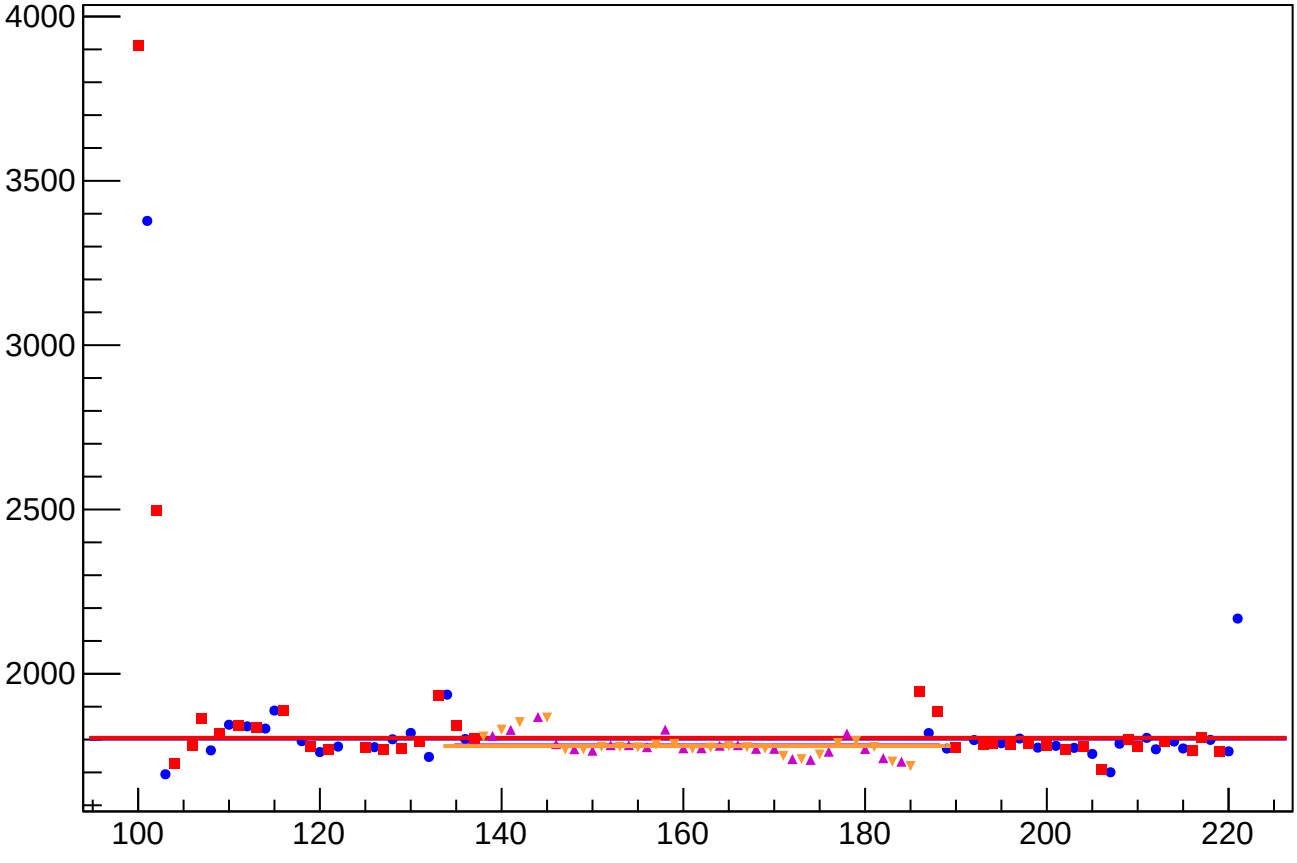
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -746.923+/-283.669 χ^2/NDF: 45.6/57

All: -301.689+/-201.598 χ^2/NDF: 104.3/115

- sign 152.656+/-286.557 χ^2/NDF: 53.7/57

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1802.837+/-0.276 χ^2/NDF: 335111.7/33

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

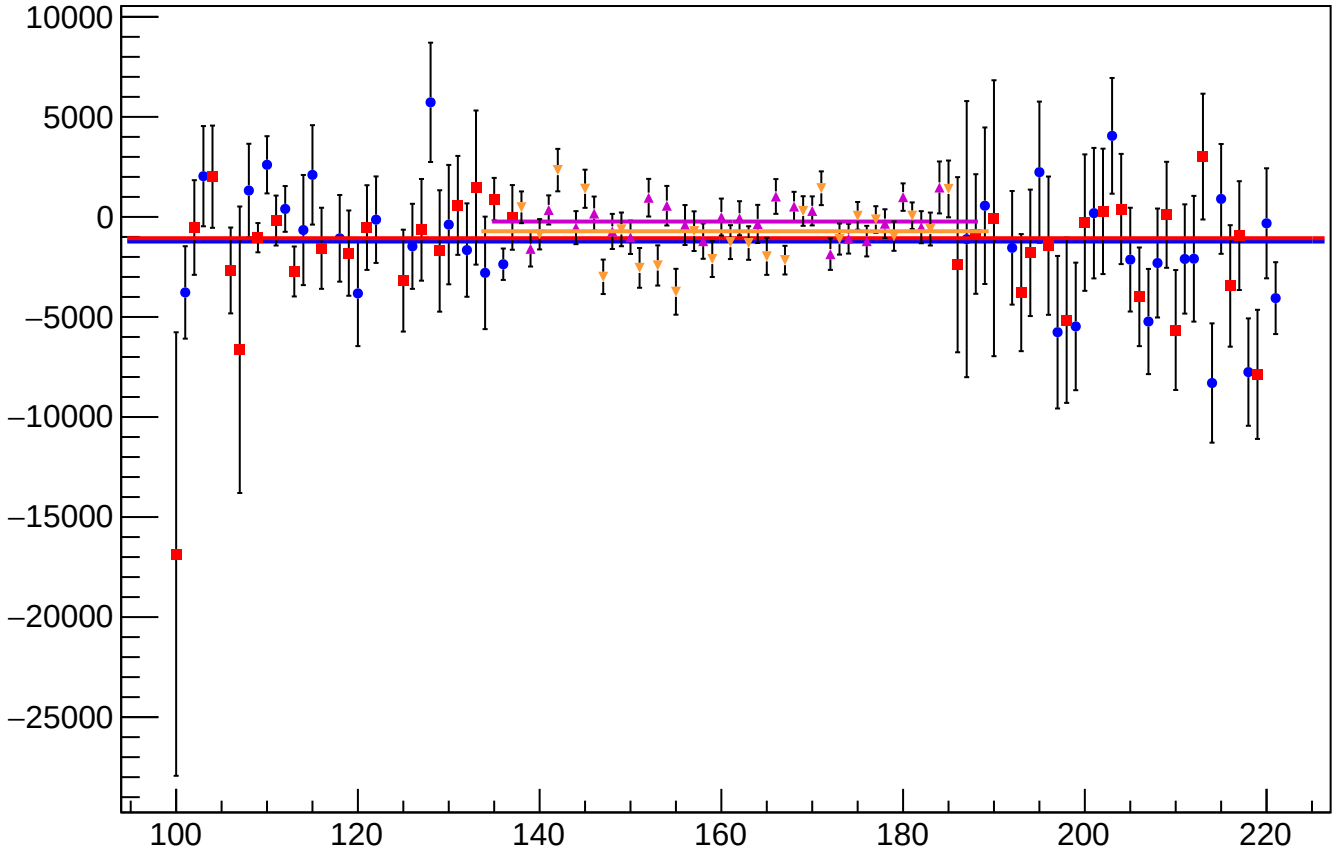
Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.179+/-0.201 χ^2/NDF: 348659.7/57

All: 1793.215+/-0.143 χ^2/NDF: 514557.4/115

- sign 1794.272+/-0.203 χ^2/NDF: 165843.8/57



Right In: -1228.863+/-372.908 χ^2/NDF: 49.8/33

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

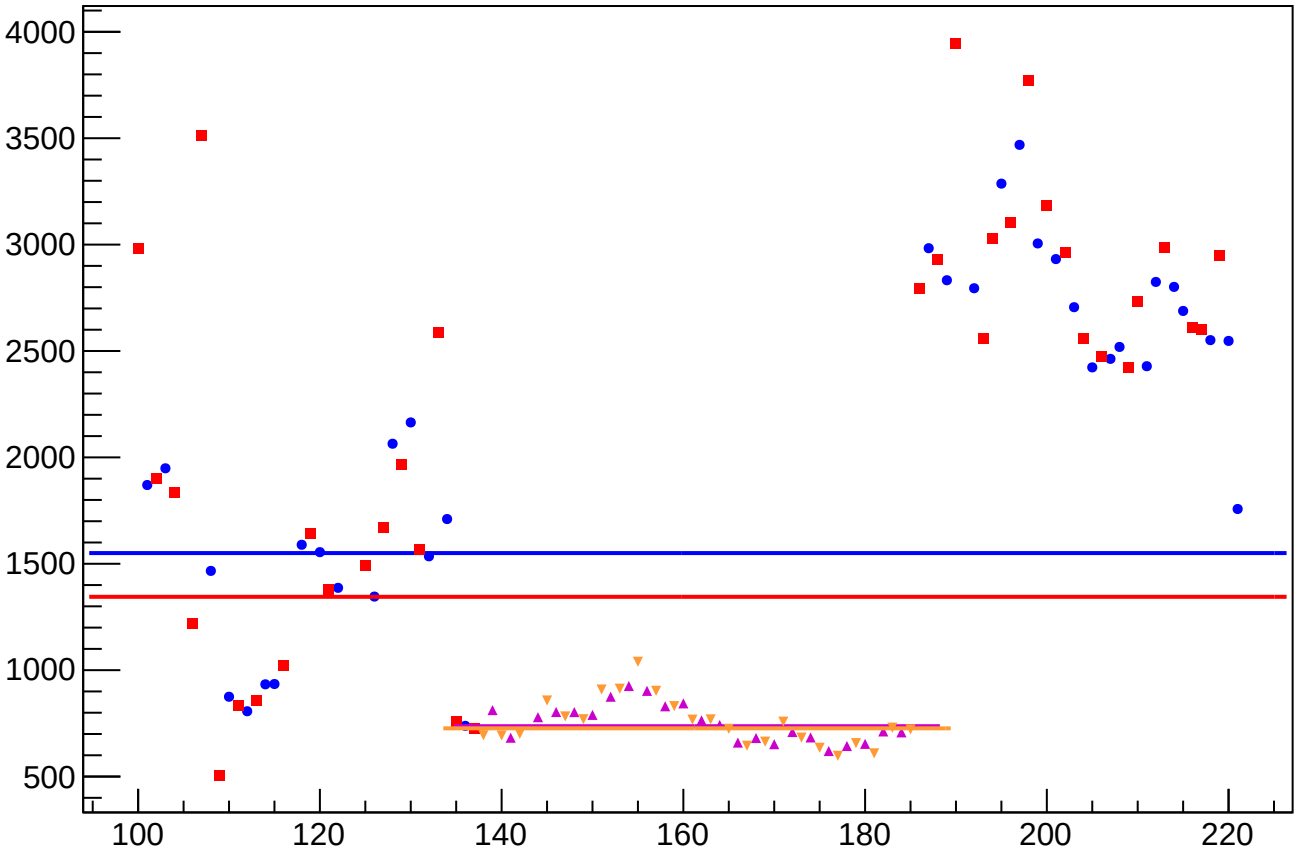
Right Out: -1064.254+/-352.184 χ^2/NDF: 25.9/34

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -805.259+/-155.138 χ^2/NDF: 110.7/57

All: -600.177+/-109.859 χ^2/NDF: 168.7/115

- sign -393.893+/-155.592 χ^2/NDF: 54.5/57



Right In: 1550.273+/-0.264 χ^2/NDF: 9221420.7/33

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

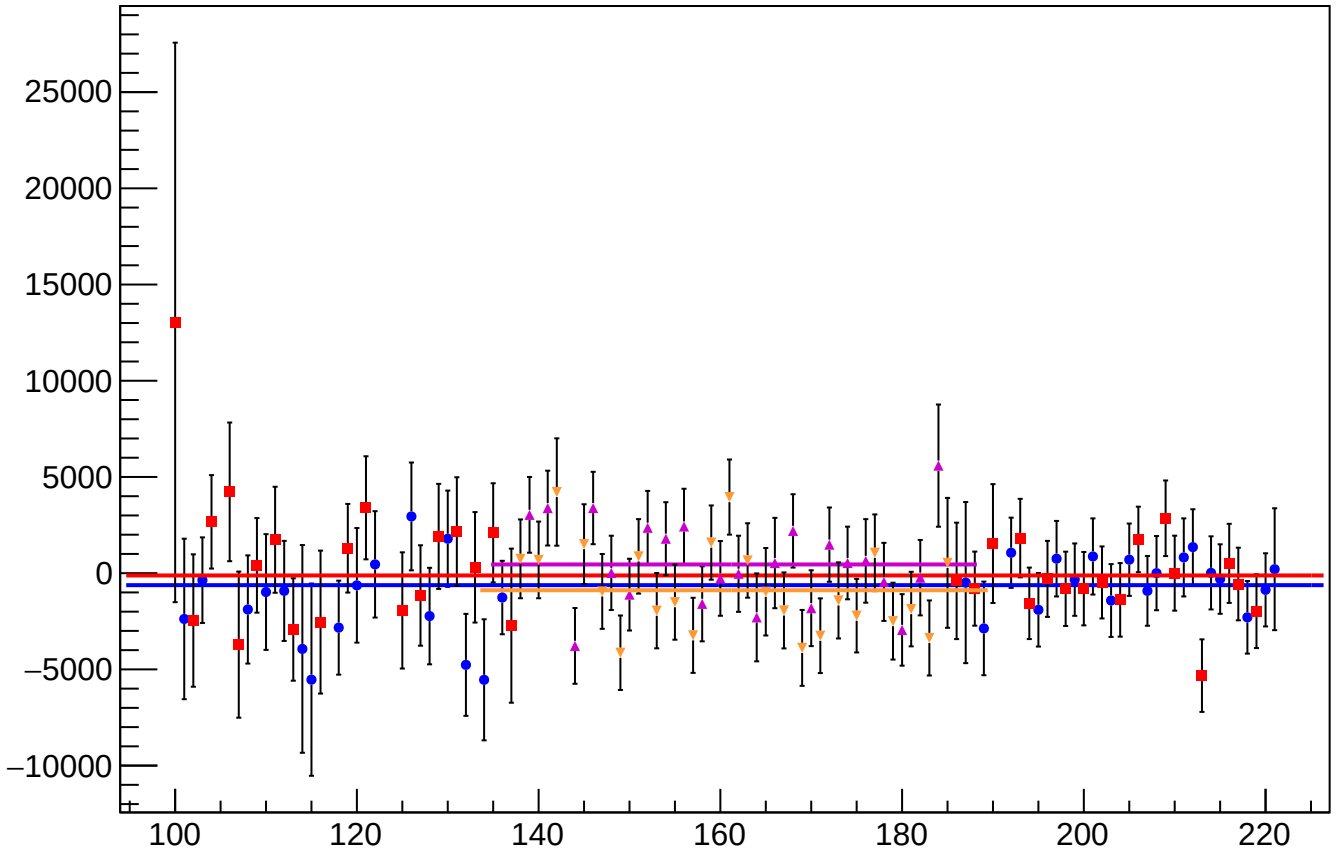
Right Out: 1344.744+/-0.249 χ^2/NDF: 12727846.8/34

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 869.161+/-0.110 χ^2/NDF: 17974818.7/57

All: 862.294+/-0.078 χ^2/NDF: 35973418.4/11

- sign 855.386+/-0.110 χ^2/NDF: 17990739.0/57



Right In: -622.655+/-390.108 χ^2/NDF: 17.3/33

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -118.252+/-395.127 χ^2/NDF: 26.9/34

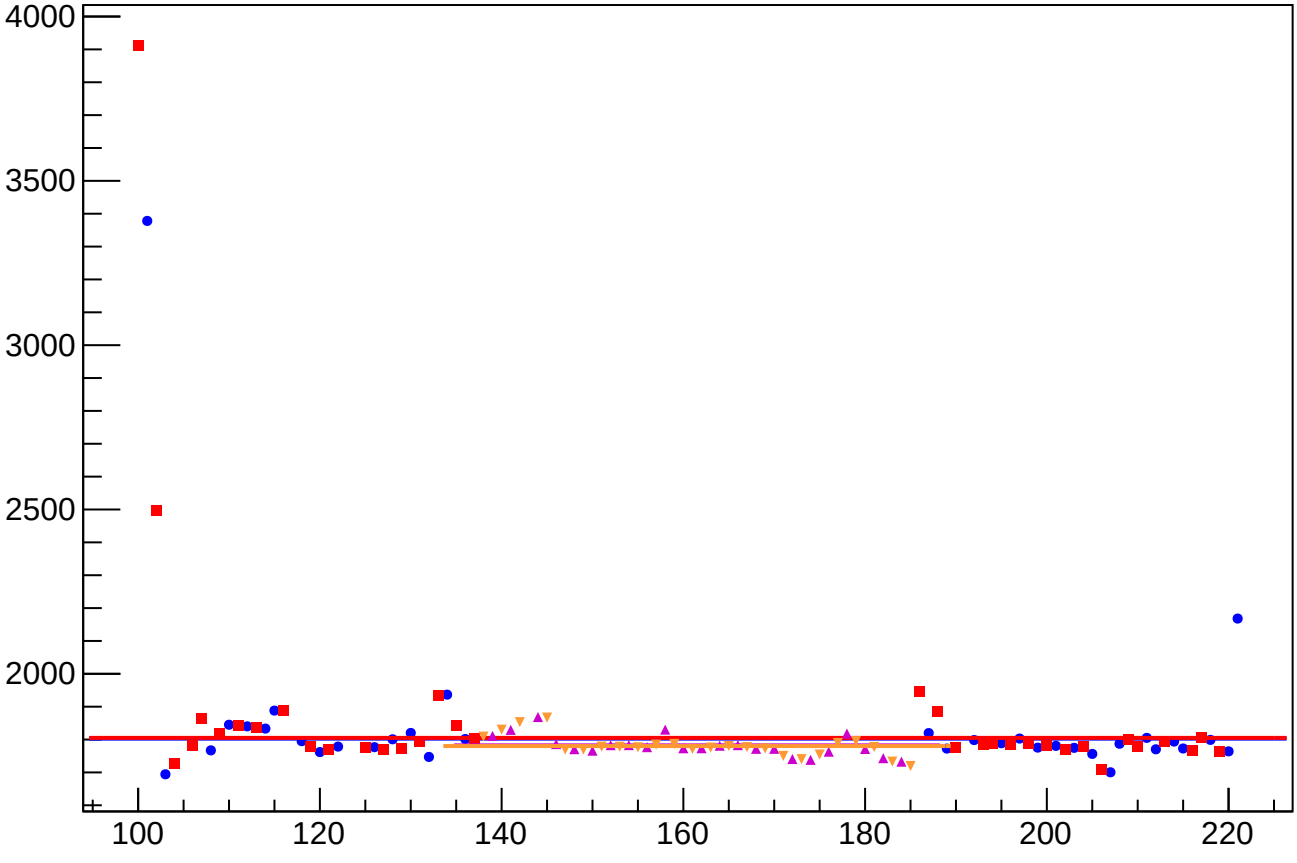
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -746.921+/-283.669 χ^2/NDF: 45.6/57

All: -301.687+/-201.598 χ^2/NDF: 104.3/115

- sign 152.658+/-286.557 χ^2/NDF: 53.7/57

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1802.837+/-0.276 χ^2/NDF: 335111.7/33

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

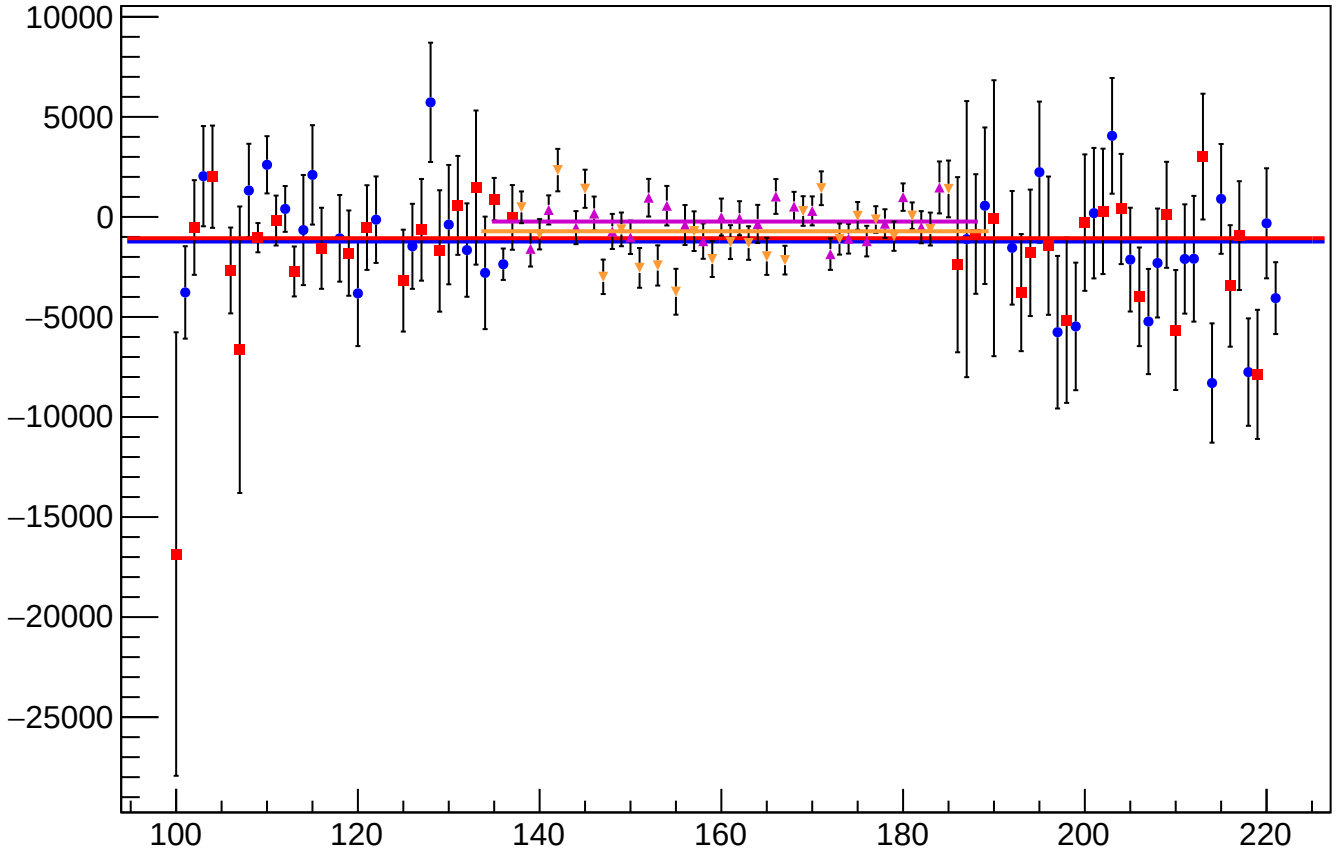
Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.179+/-0.201 χ^2/NDF: 348659.7/57

All: 1793.215+/-0.143 χ^2/NDF: 514557.5/115

- sign 1794.272+/-0.203 χ^2/NDF: 165843.9/57



Right In: -1228.854+/-372.908 χ^2/NDF: 49.8/33

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

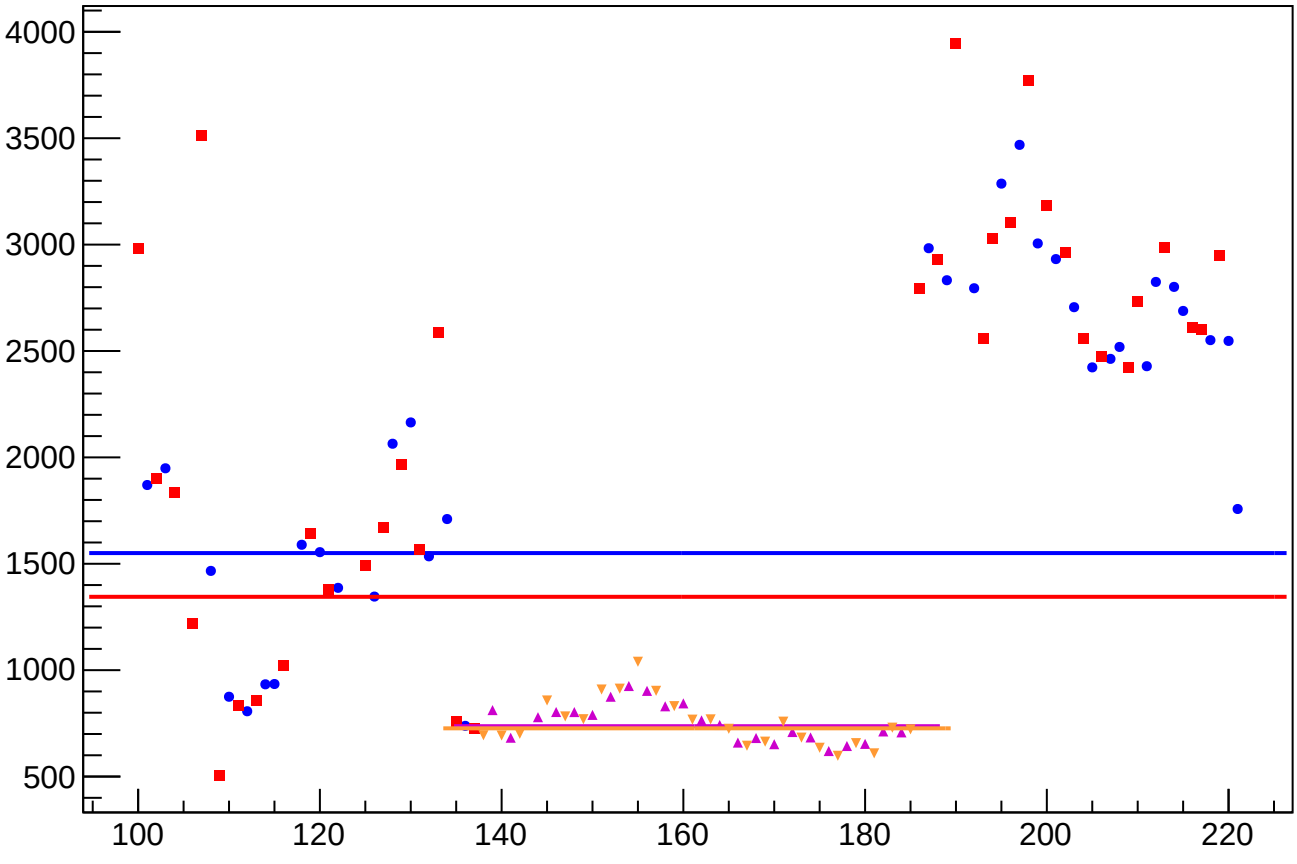
Right Out: -1064.259+/-352.184 χ^2/NDF: 25.9/34

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

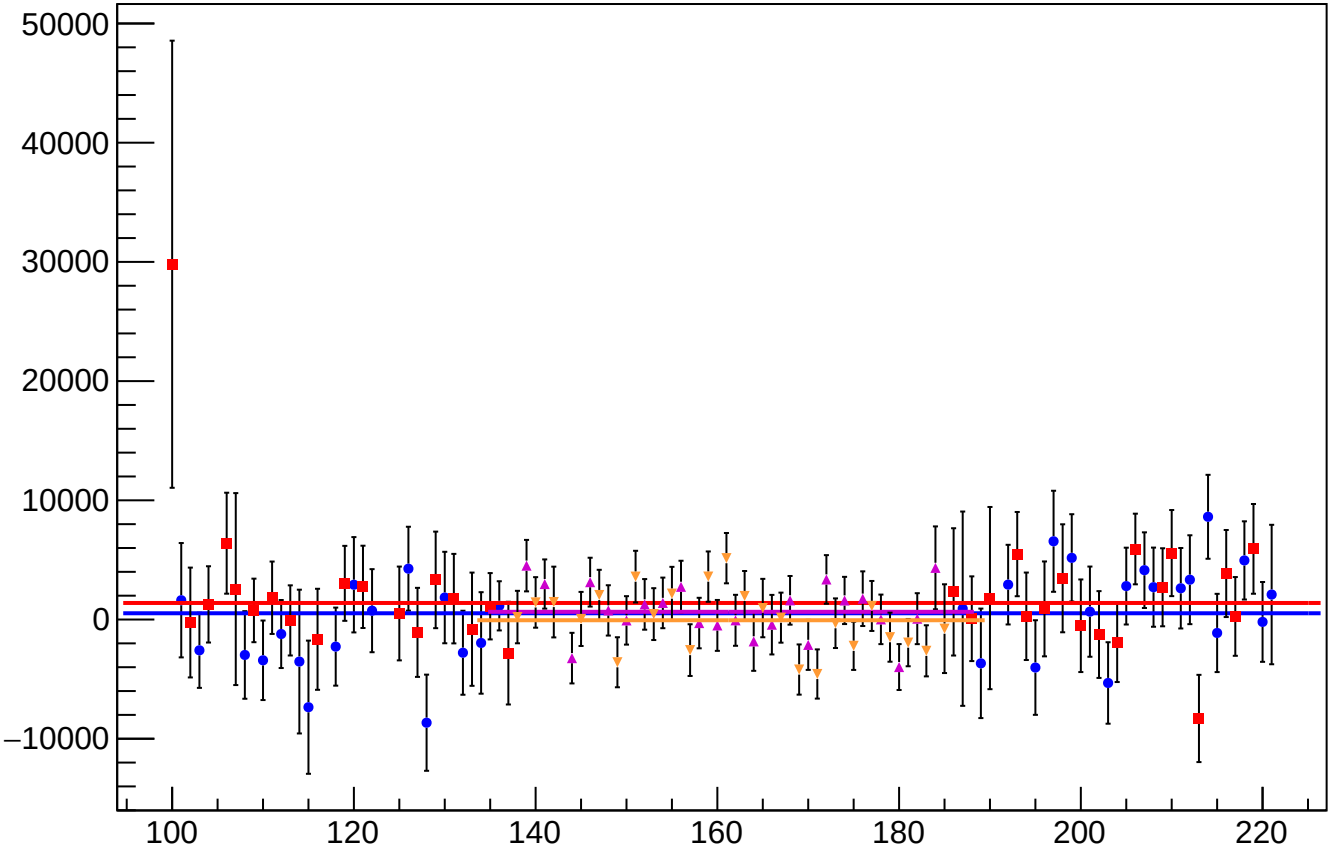
+ sign -805.259+/-155.138 χ^2/NDF: 110.7/57

All: -600.176+/-109.859 χ^2/NDF: 168.7/115

- sign -393.892+/-155.592 χ^2/NDF: 54.5/57


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1550.276+/-0.264 χ²/NDF: 9221356.2/33
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 1344.746+/-0.249 χ²/NDF: 12727802.5/34
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
+ sign 869.161+/-0.110 χ²/NDF: 17974787.4/57
All: 862.294+/-0.078 χ²/NDF: 35973398.3/11
- sign 855.386+/-0.110 χ²/NDF: 17990749.3/57

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 525.182+/-615.238 χ^2/NDF: 34.9/33

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1389.005+/-626.728 χ^2/NDF: 23.5/34

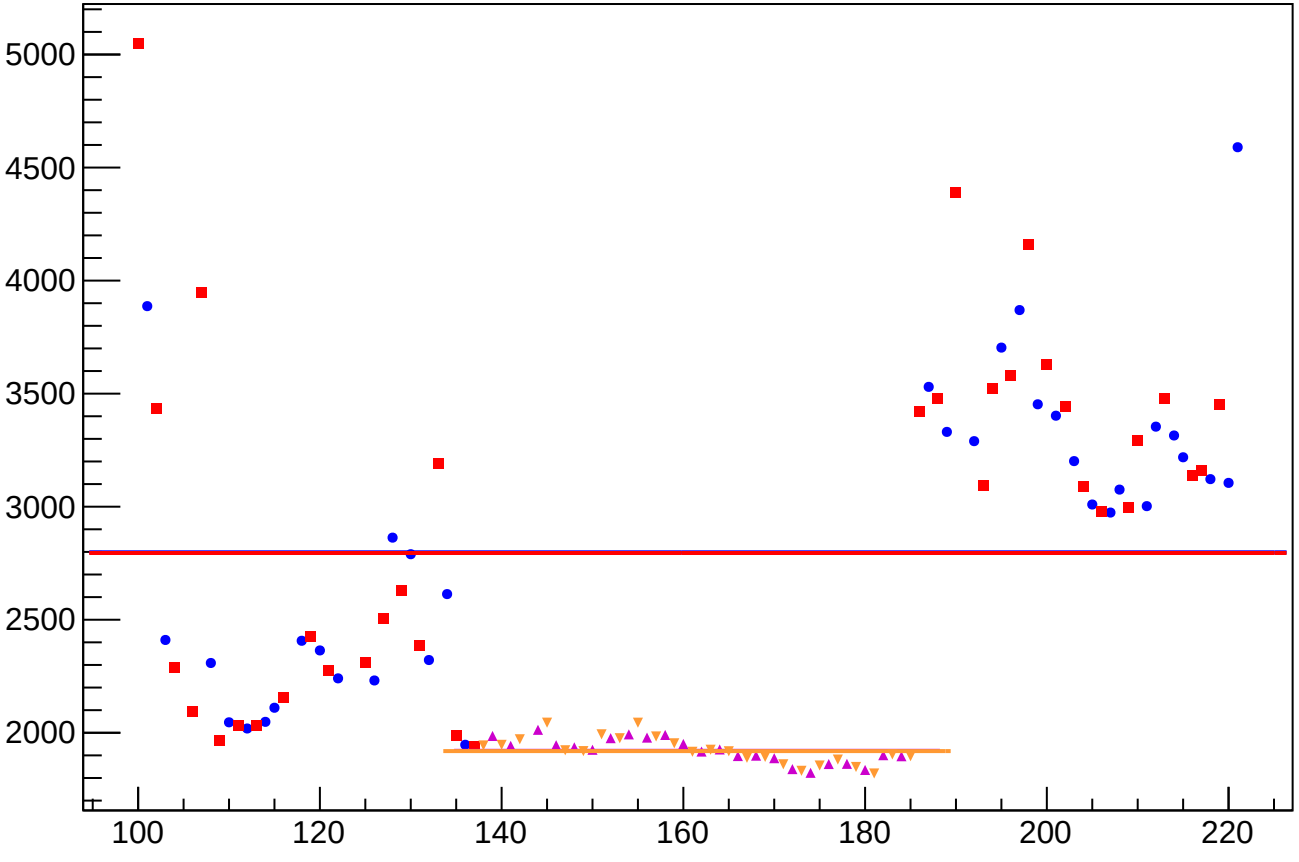
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign 141.618+/-360.888 χ^2/NDF: 68.5/57

All: 515.916+/-256.541 χ^2/NDF: 118.7/115

- sign 898.267+/-364.749 χ^2/NDF: 48.1/57

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2798.253+/-0.435 χ^2/NDF: 1859070.2/33

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

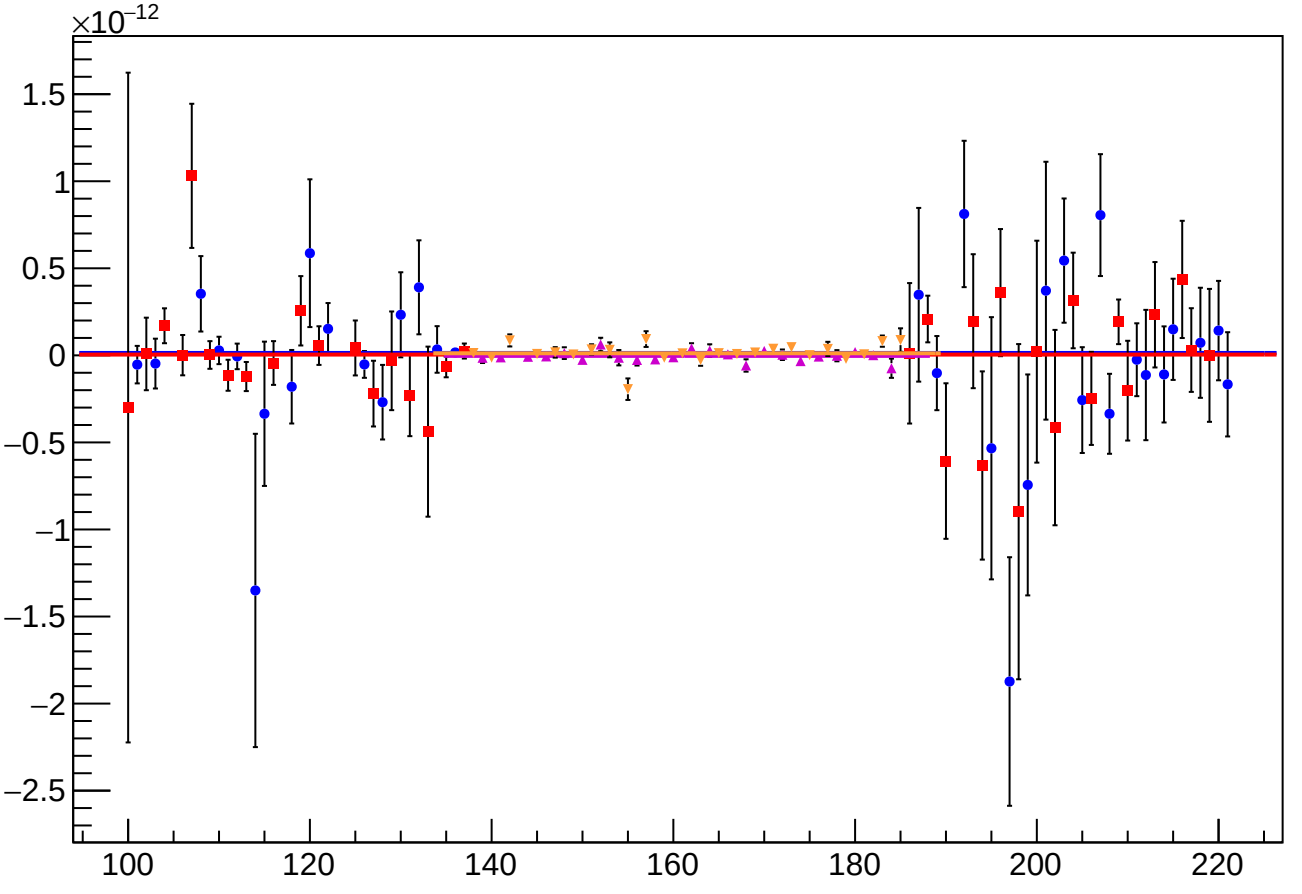
Right Out: 2795.233+/-0.443 χ^2/NDF: 2056145.3/34

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2221.517+/-0.255 χ^2/NDF: 4574111.8/57

All: 2219.083+/-0.181 χ^2/NDF: 9238449.2/11

\- sign 2216.596+/-0.258 χ^2/NDF: 4664153.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 40.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

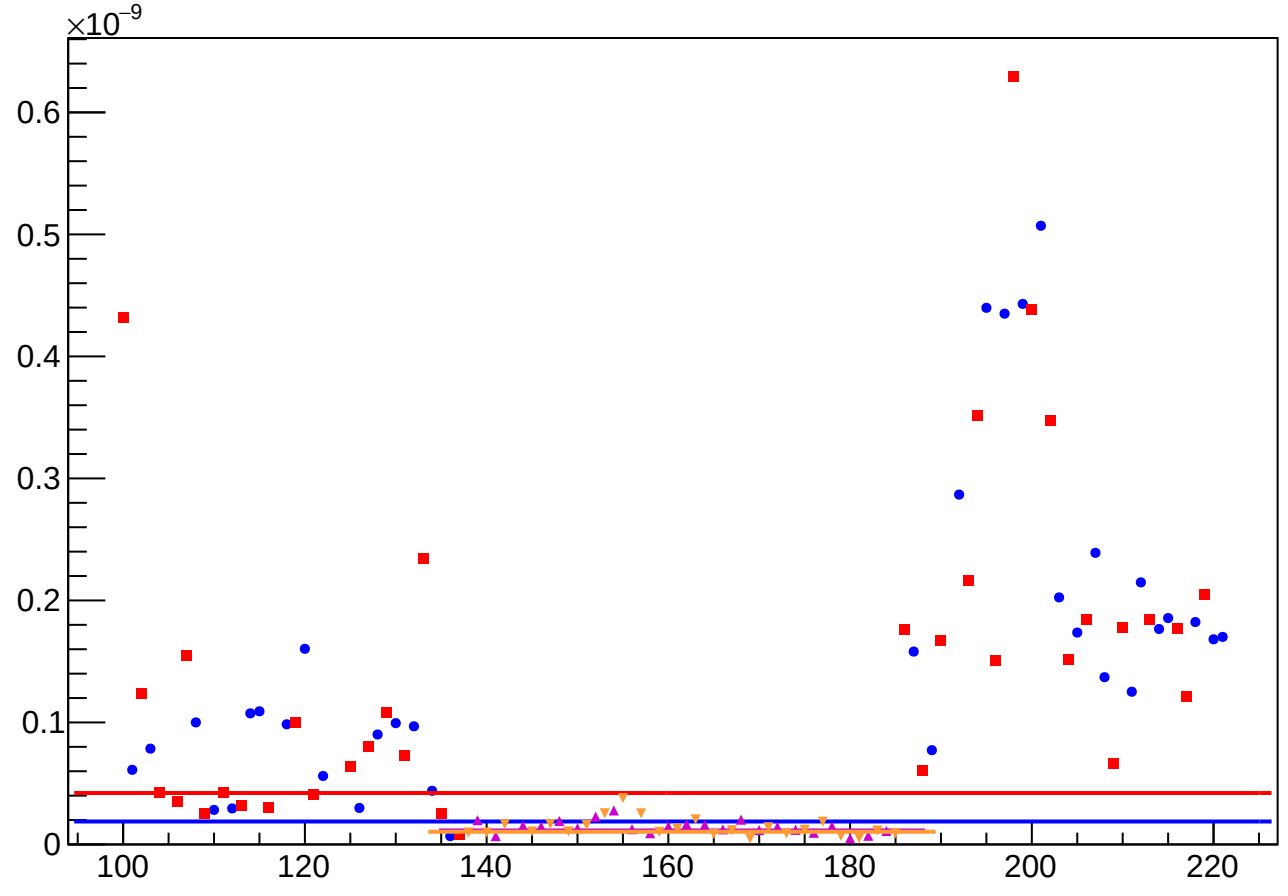
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/34

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.2/57

All: 0.000+/-0.000 χ^2/NDF: 138.0/115

- sign -0.000+/-0.000 χ^2/NDF: 54.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 14232322.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

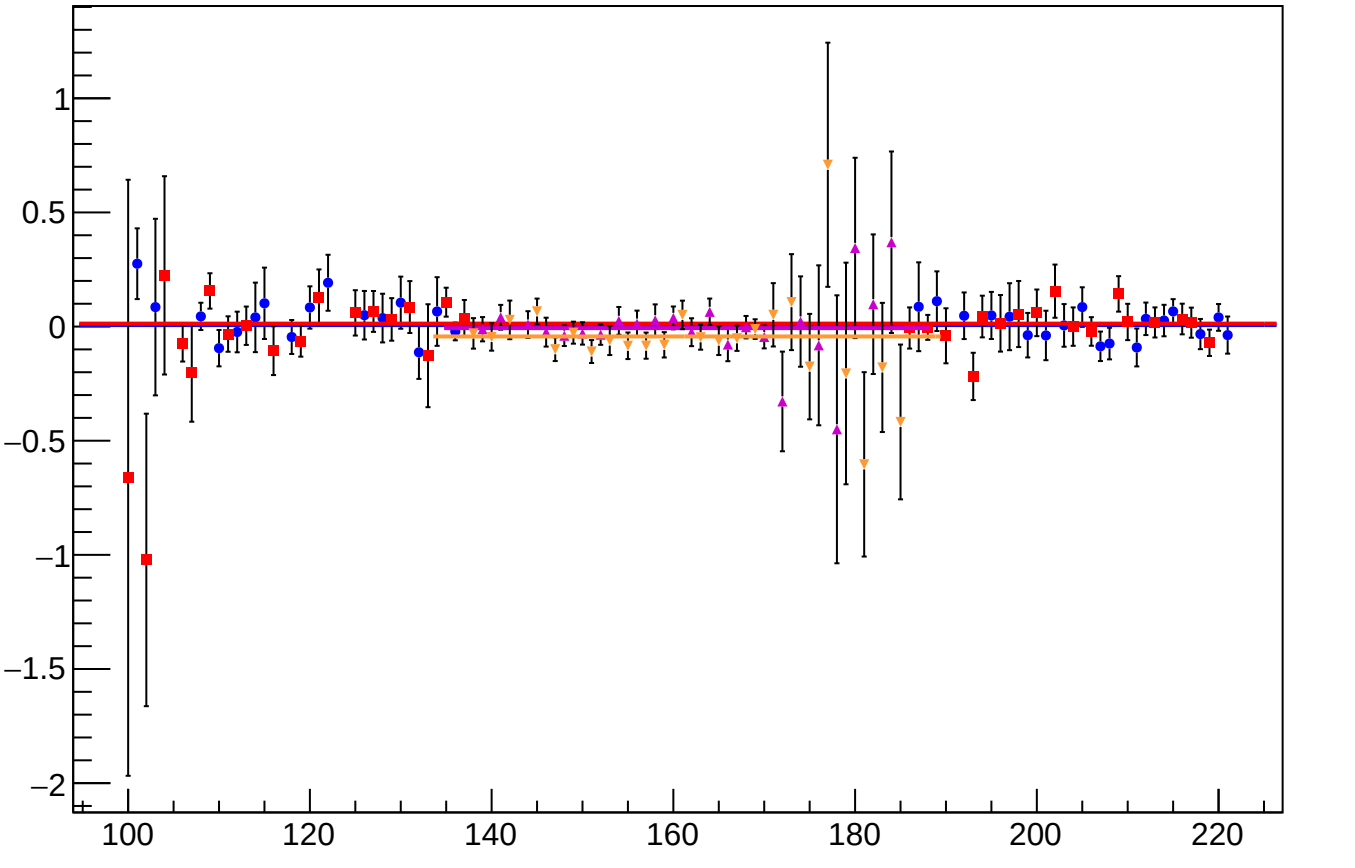
Right Out: 0.000+/-0.000 χ^2/NDF: 9330768.4/34

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16975447.4/57

All: 0.000+/-0.000 χ^2/NDF: 31839446.9/115

- sign 0.000+/-0.000 χ^2/NDF: 14744571.1/57



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

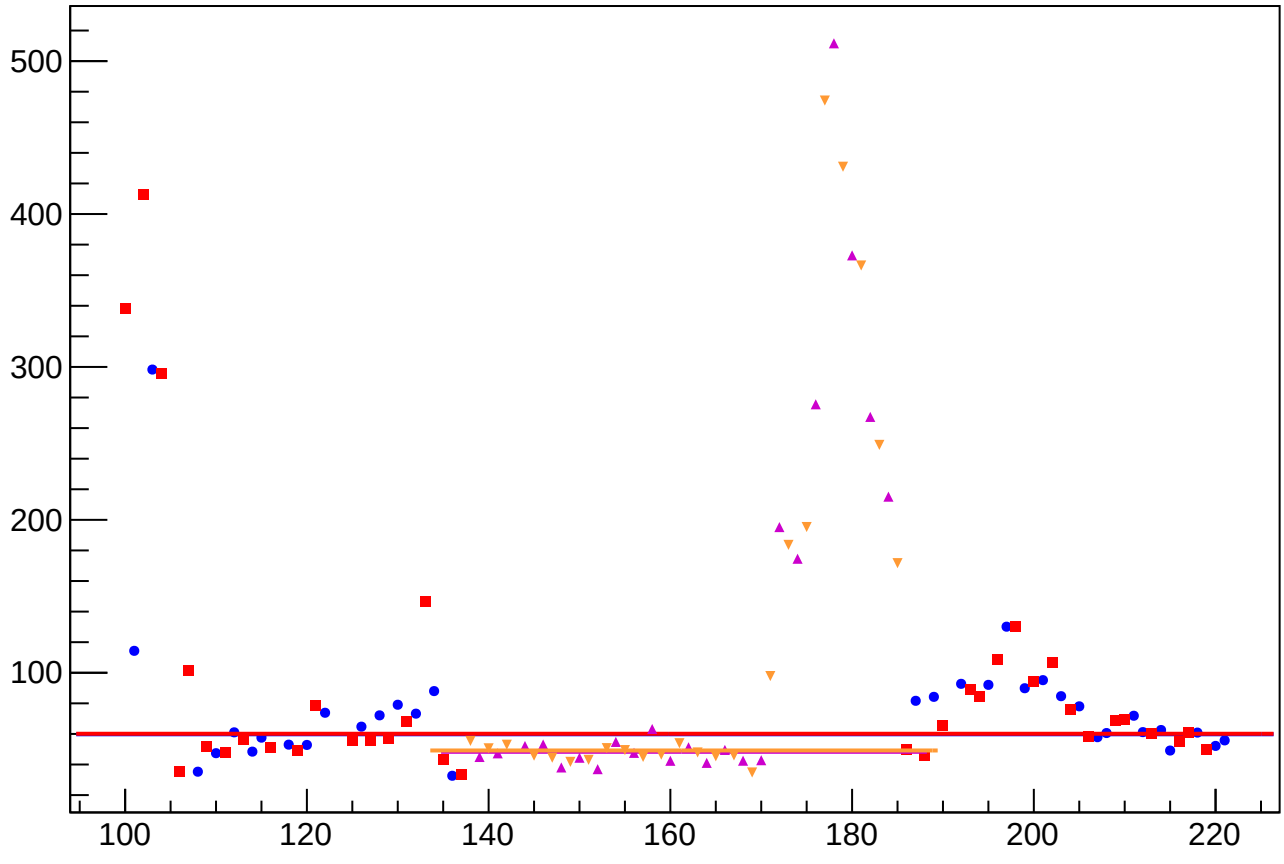
Right Out: 0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 89.8/115

- sign 0.002+/-0.010 χ^2/NDF: 41.0/57



Right In: 59.766+/-0.010 χ^2/NDF: 4377271.2/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

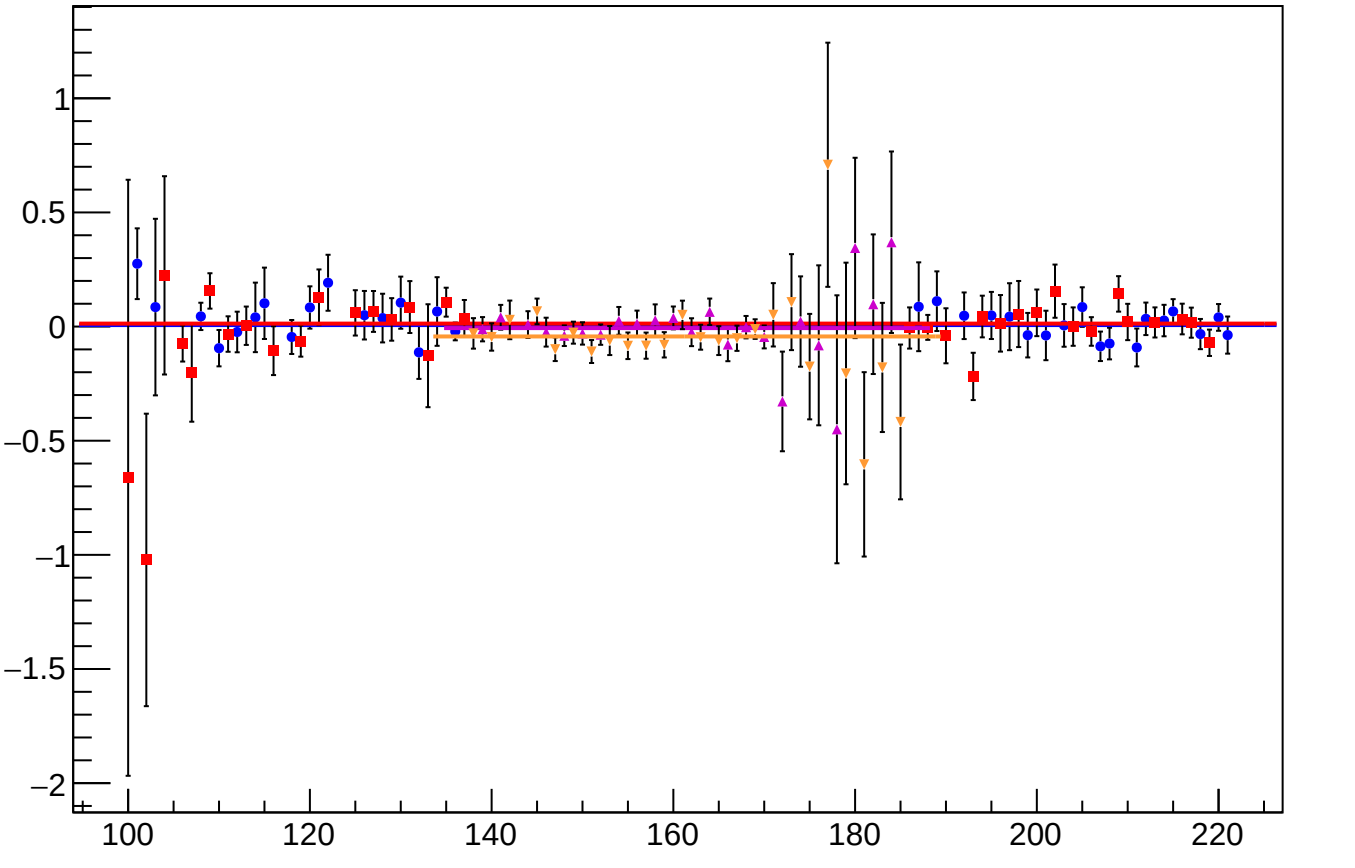
Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.313+/-0.007 χ^2/NDF: 12189352.6/57

All: 54.005+/-0.005 χ^2/NDF: 24329982.8/115

- sign 53.698+/-0.007 χ^2/NDF: 12136834.9/57



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

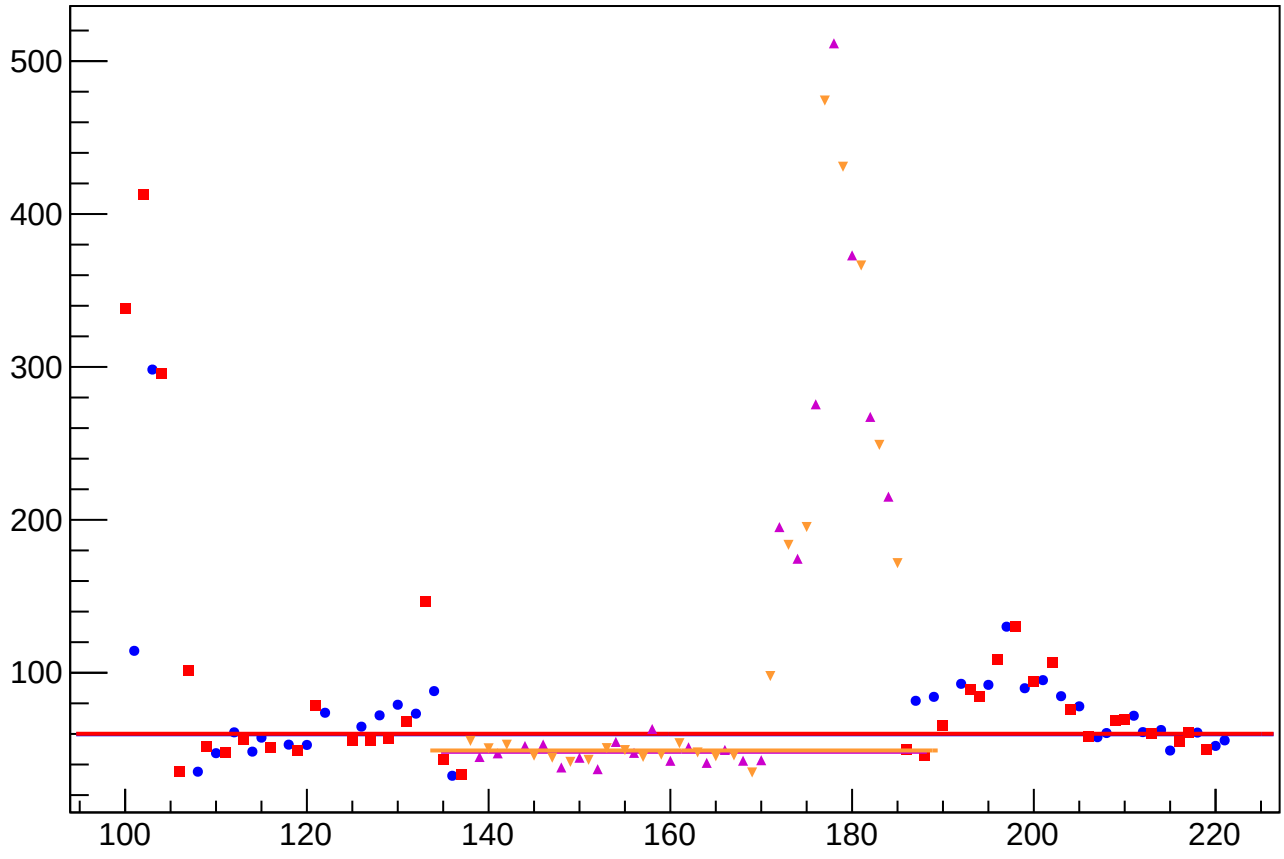
Right Out: 0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 89.8/115

- sign 0.002+/-0.010 χ^2/NDF: 41.0/57



Right In: 59.766+/-0.010 χ^2/NDF: 4377271.2/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

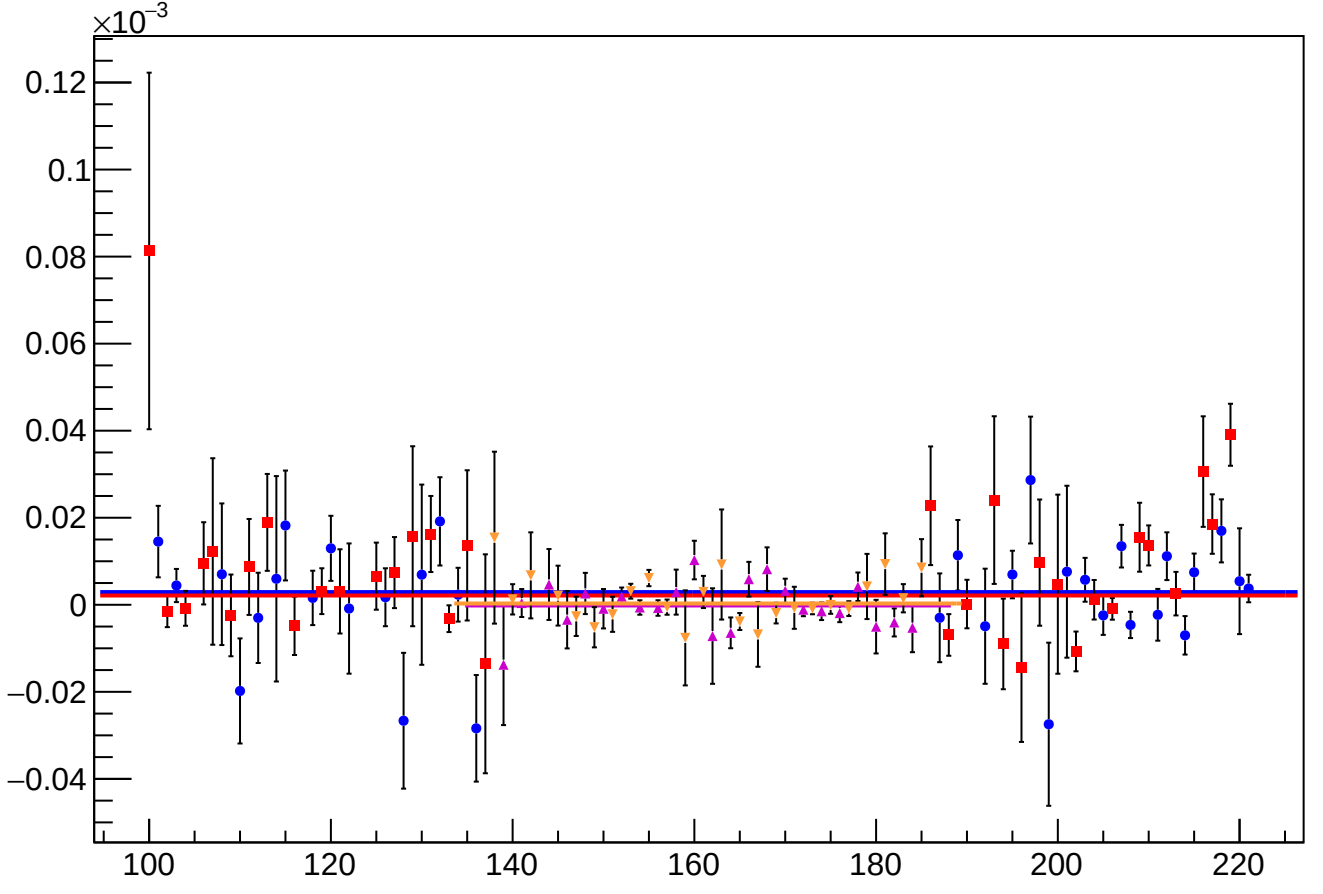
Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.313+/-0.007 χ^2/NDF: 12189352.6/57

All: 54.005+/-0.005 χ^2/NDF: 24329982.8/115

- sign 53.698+/-0.007 χ^2/NDF: 12136834.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 56.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

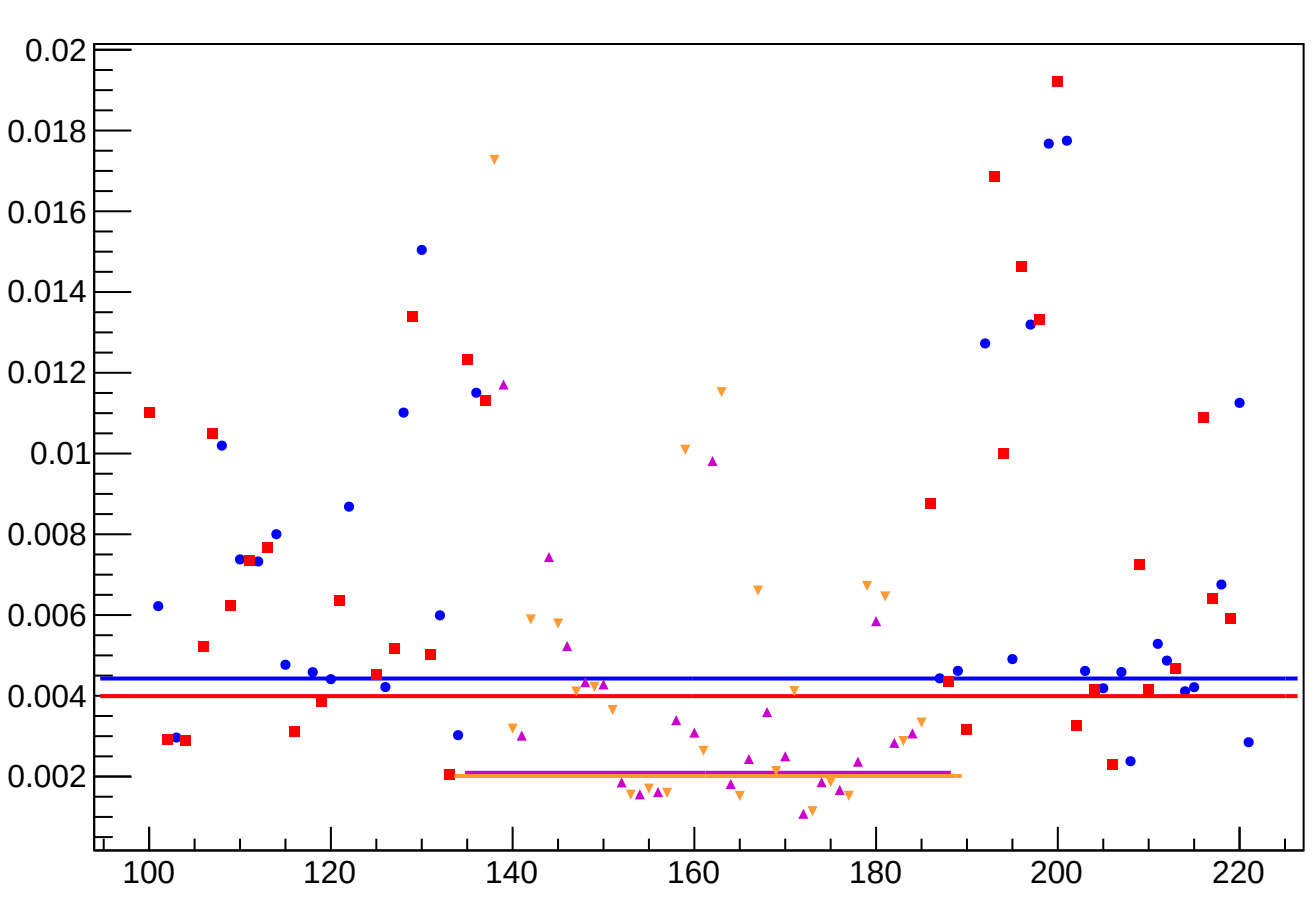
Right Out: 0.000+/-0.000 χ^2/NDF: 83.7/34

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.5/57

All: 0.000+/-0.000 χ^2/NDF: 202.4/115

- sign 0.000+/-0.000 χ^2/NDF: 112.6/57



Right In: 0.004+/-0.000 χ^2/NDF: 8604761.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

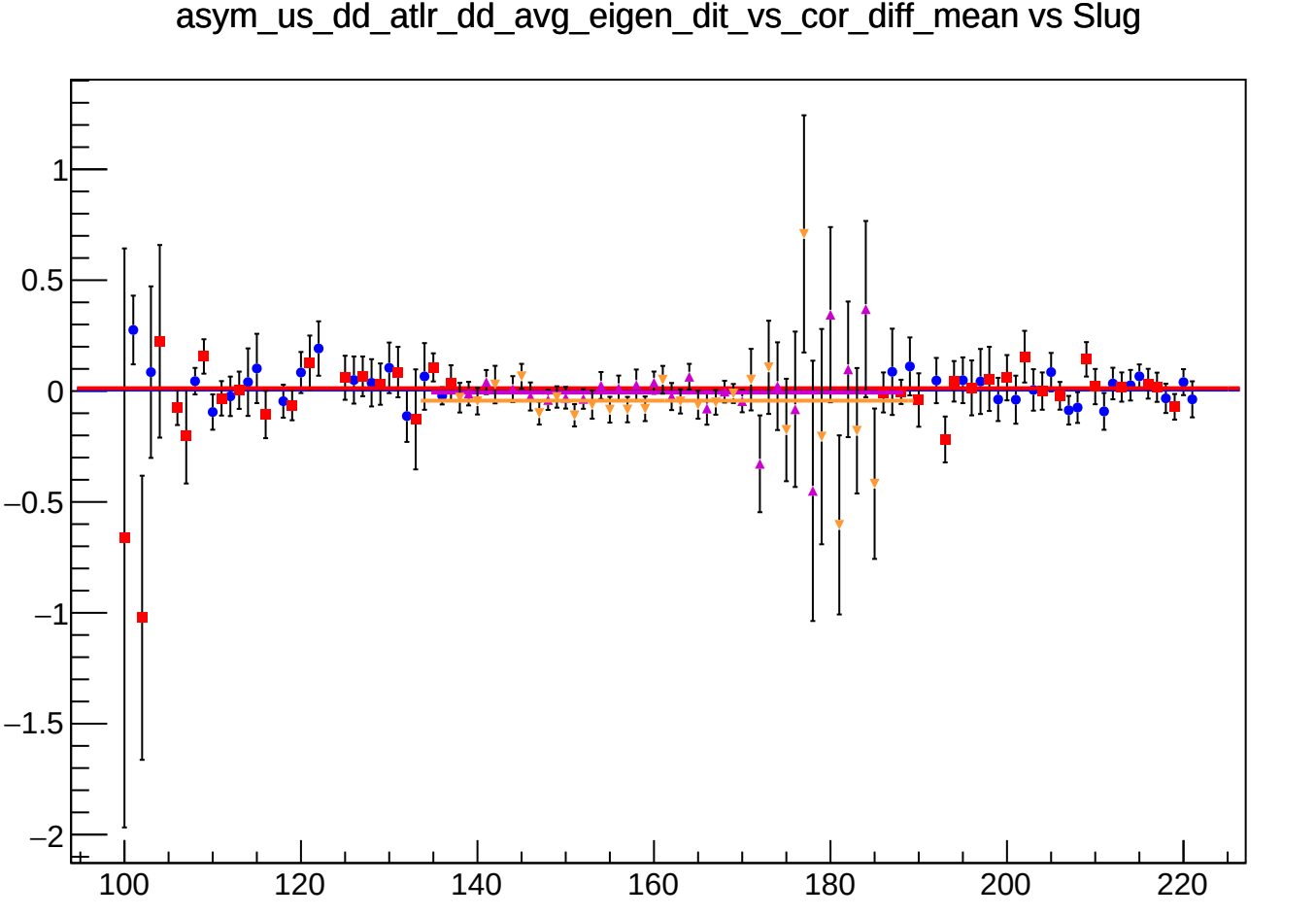
Right Out: 0.004+/-0.000 χ^2/NDF: 10105808.7/34

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 26570797.4/57

All: 0.003+/-0.000 χ^2/NDF: 48778092.5/115

- sign 0.003+/-0.000 χ^2/NDF: 22197947.2/57



Right In: 0.007+/-0.014 χ^2/NDF: 21.5/33

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

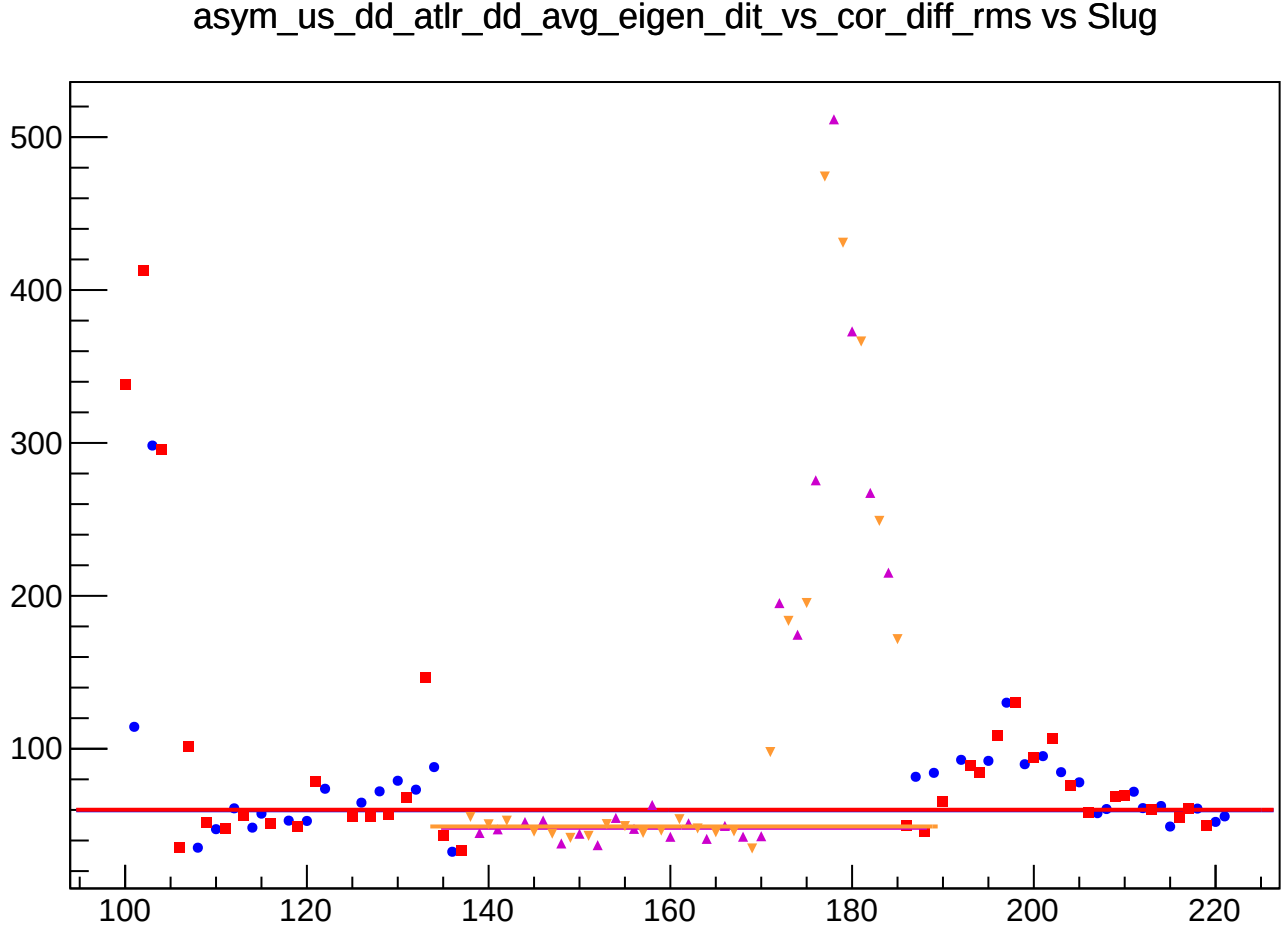
Right Out: 0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.6/57

All: -0.008+/-0.007 χ^2/NDF: 89.8/115

- sign 0.002+/-0.010 χ^2/NDF: 41.0/57



Right In: 59.766+/-0.010 χ^2/NDF: 4377099.4/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

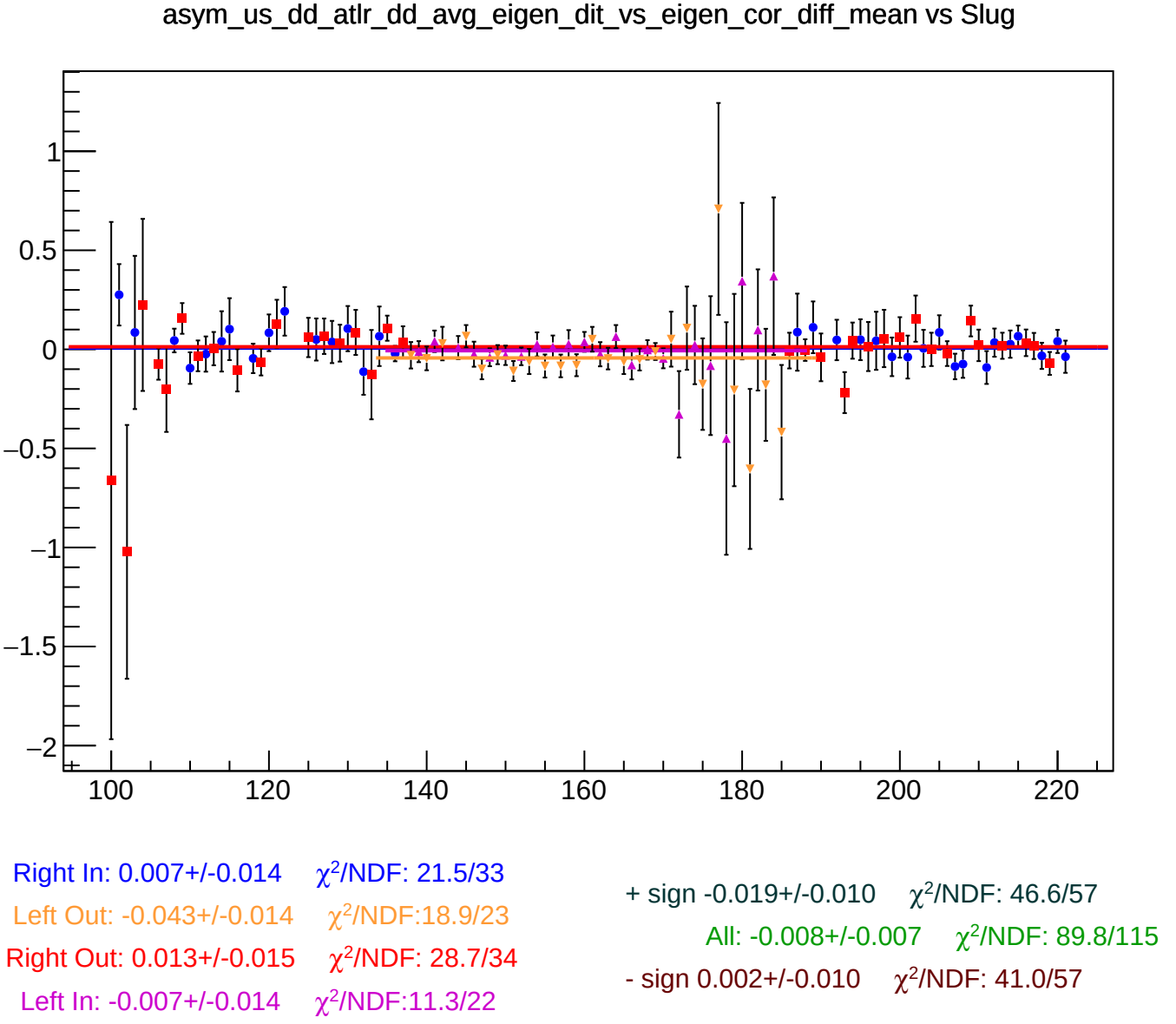
Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

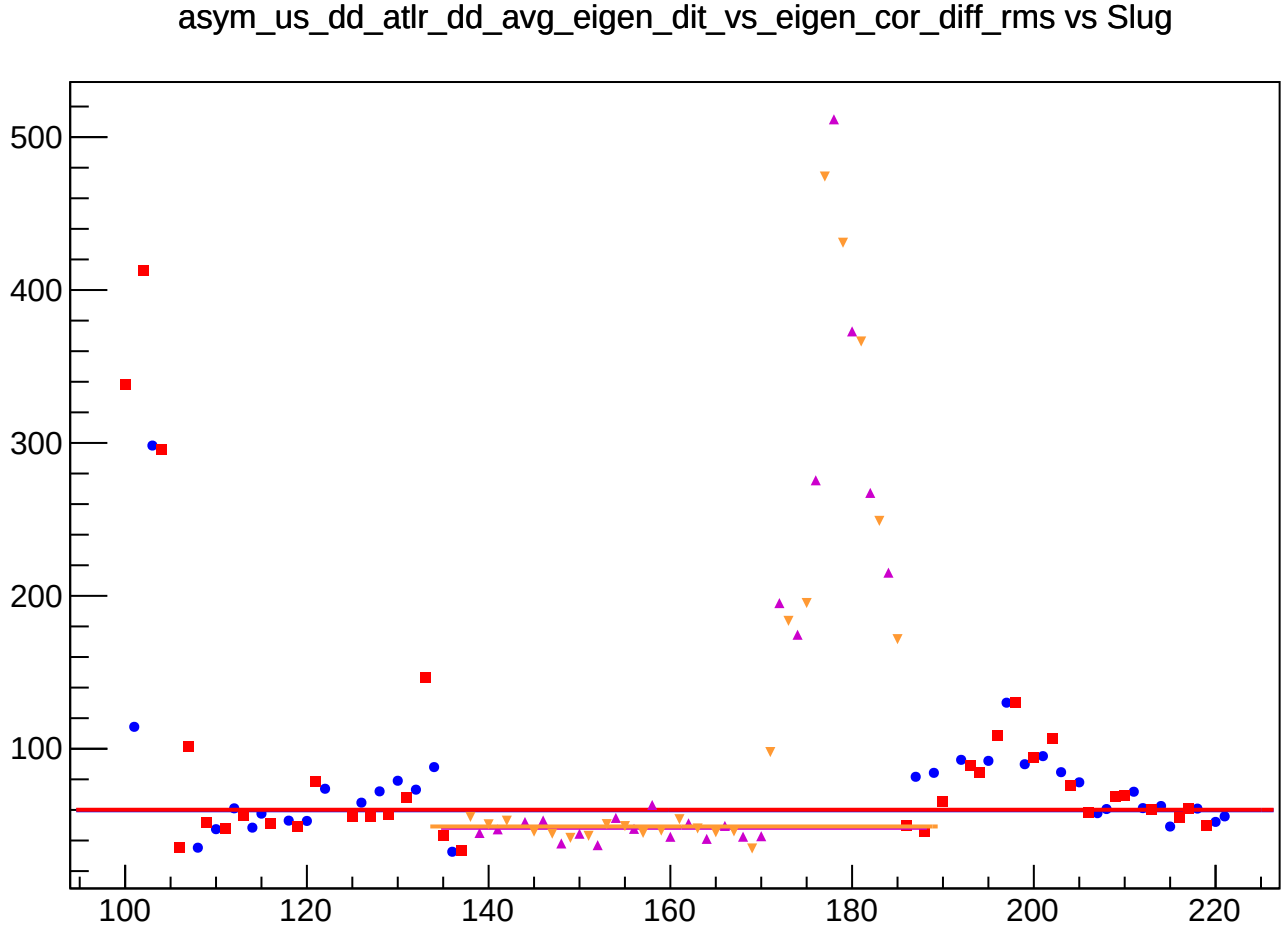
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.312+/-0.007 χ^2/NDF: 12189252.6/57

All: 54.005+/-0.005 χ^2/NDF: 24329679.6/115

- sign 53.699+/-0.007 χ^2/NDF: 12136638.3/57


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
220
Right In: 0.007+/-0.014 χ²/NDF: 21.5/33
Left Out: -0.043+/-0.014 χ²/NDF:18.9/23
Right Out: 0.013+/-0.015 χ²/NDF: 28.7/34
Left In: -0.007+/-0.014 χ²/NDF:11.3/22
+ sign -0.019+/-0.010 χ²/NDF: 46.6/57
All: -0.008+/-0.007 χ²/NDF: 89.8/115
- sign 0.002+/-0.010 χ²/NDF: 41.0/57



Right In: 59.766+/-0.010 χ^2/NDF: 4377099.4/33

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

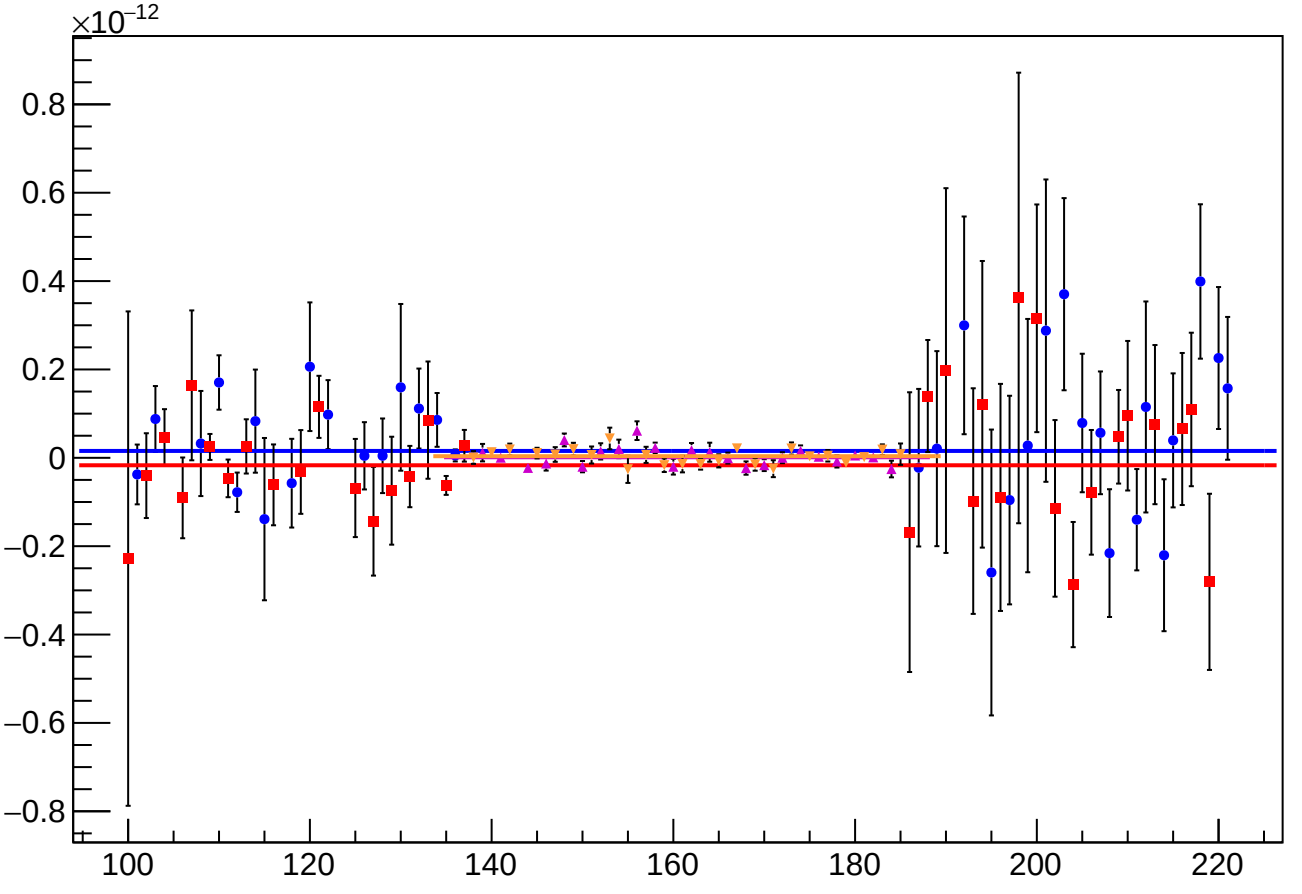
Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.312+/-0.007 χ^2/NDF: 12189252.6/57

All: 54.005+/-0.005 χ^2/NDF: 24329679.6/115

- sign 53.699+/-0.007 χ^2/NDF: 12136638.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 40.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

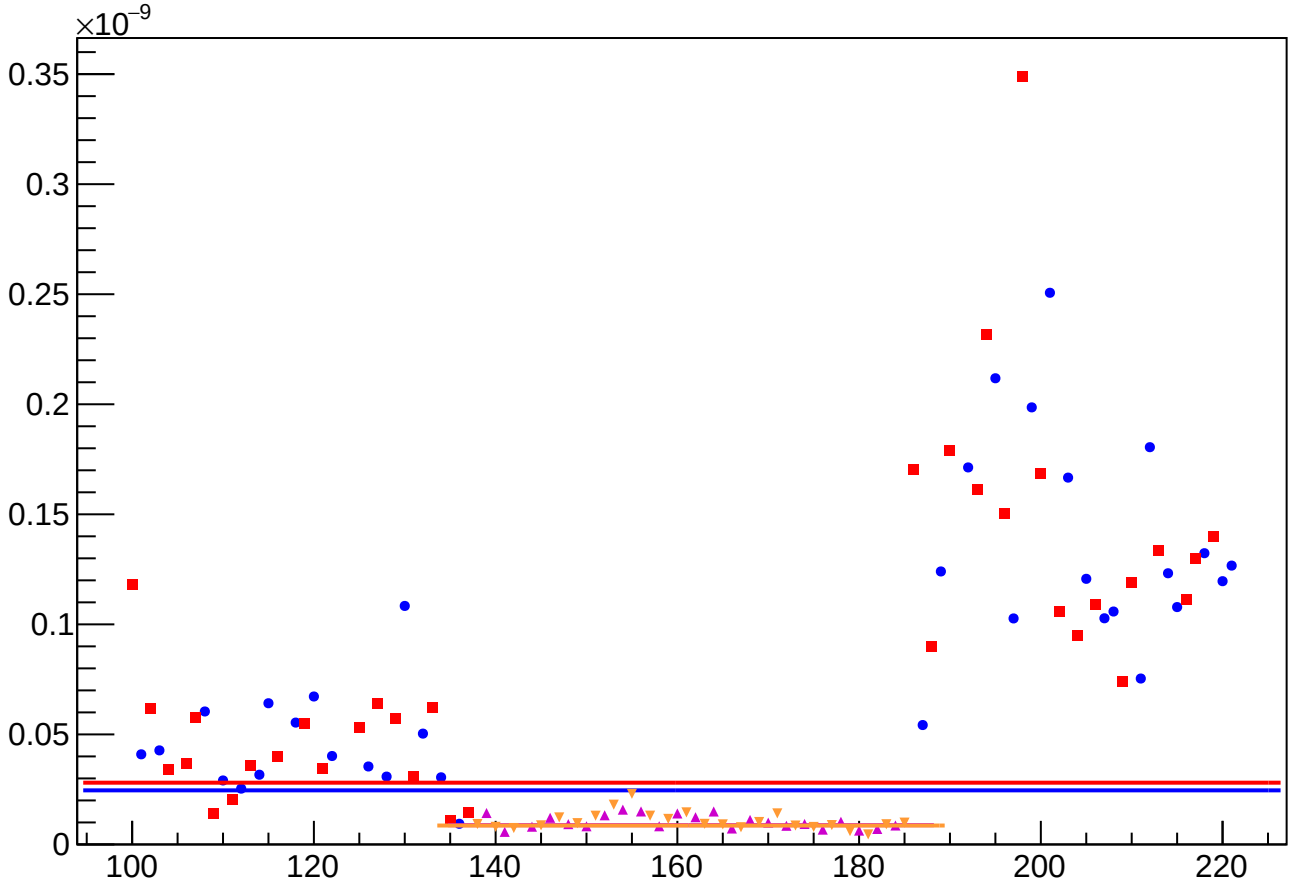
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/34

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/57

All: 0.000+/-0.000 χ^2/NDF: 139.3/115

- sign 0.000+/-0.000 χ^2/NDF: 72.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 15403265.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12384185.8/34

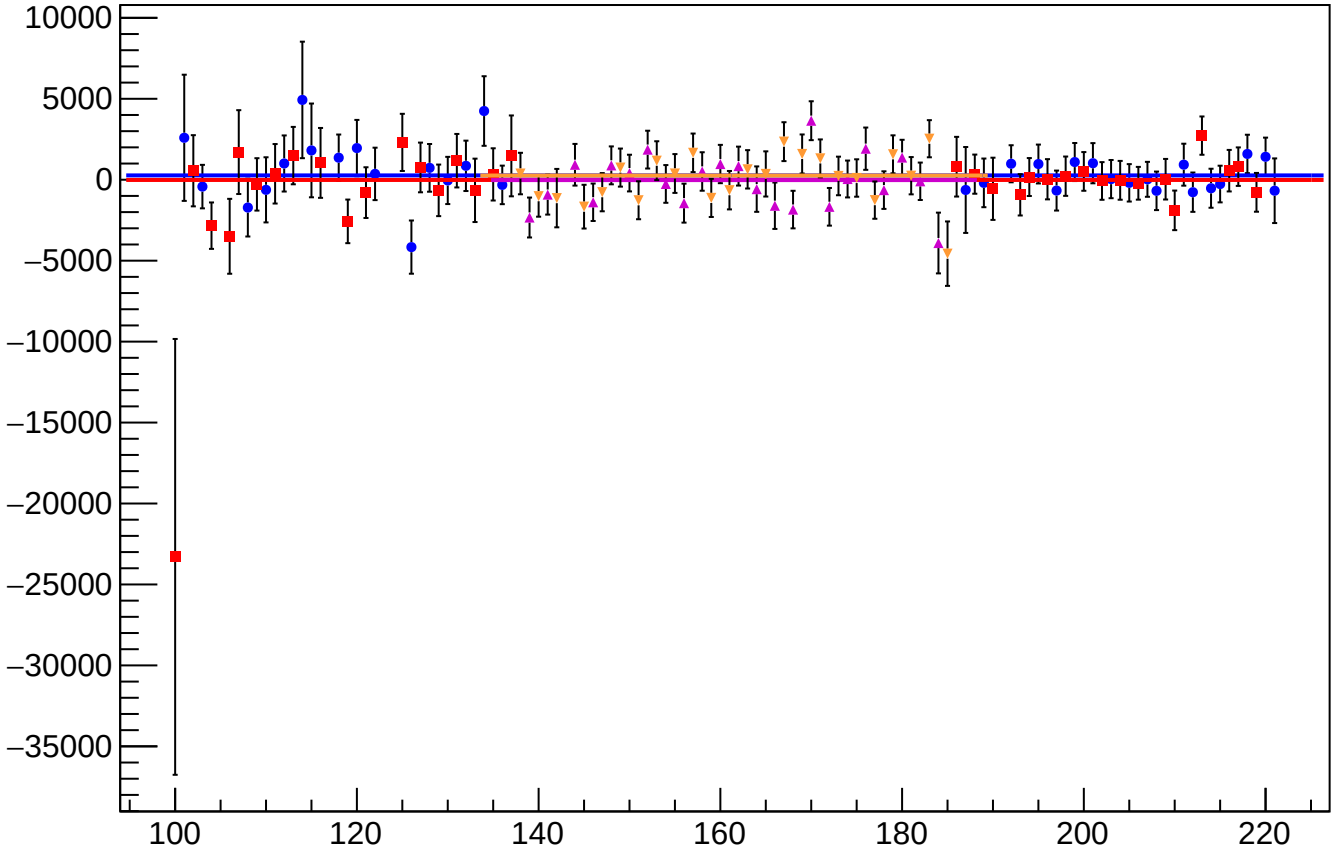
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21932199.6/57

All: 0.000+/-0.000 χ^2/NDF: 41153495.7/115

- sign 0.000+/-0.000 χ^2/NDF: 19216209.3/57

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.644+/-242.079 χ^2/NDF: 24.3/33

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -14.301+/-245.608 χ^2/NDF: 27.7/34

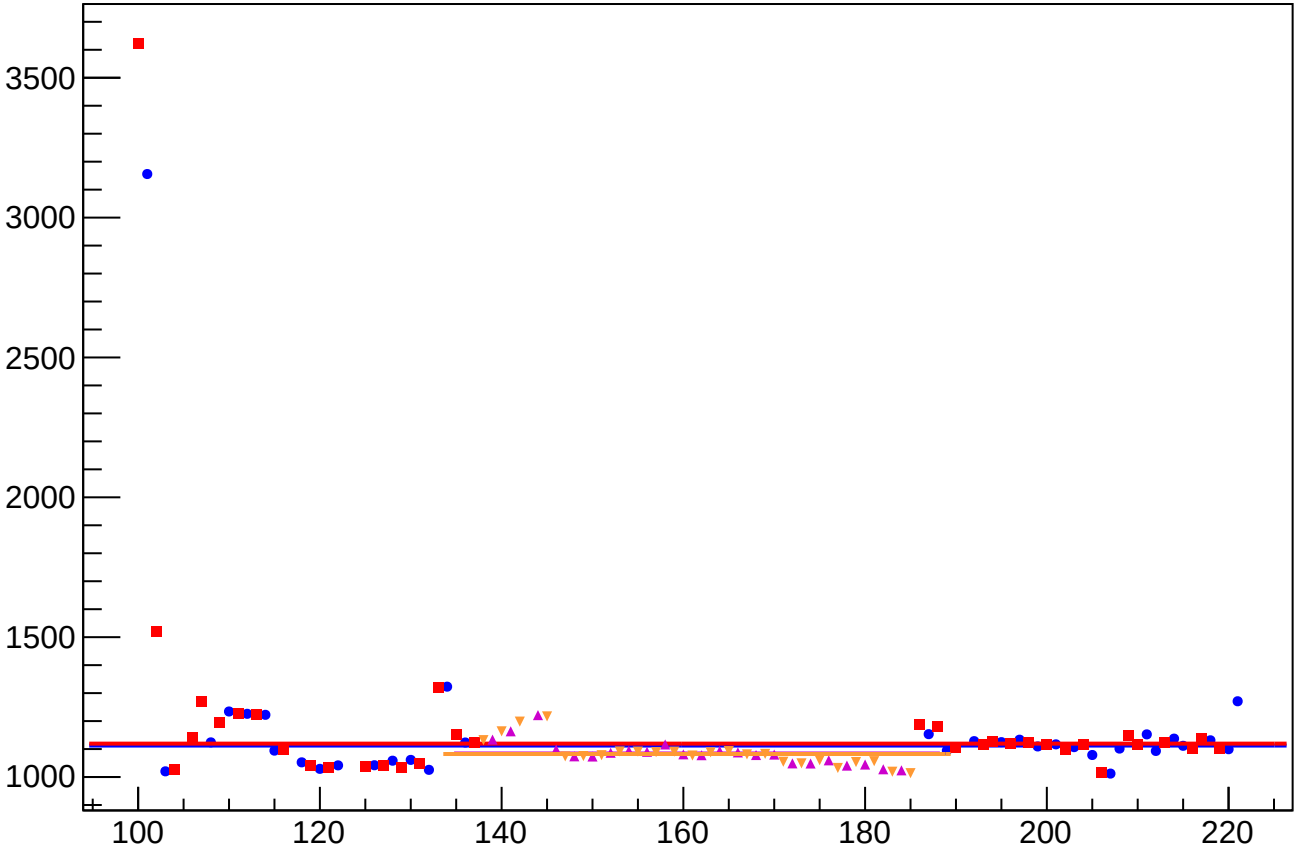
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 264.279+/-174.378 χ^2/NDF: 52.5/57

All: 124.614+/-123.991 χ^2/NDF: 117.3/115

- sign -18.210+/-176.338 χ^2/NDF: 63.5/57

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.544+/-0.171 χ^2/NDF: 661216.1/33

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.411+/-0.174 χ^2/NDF: 253824.2/34

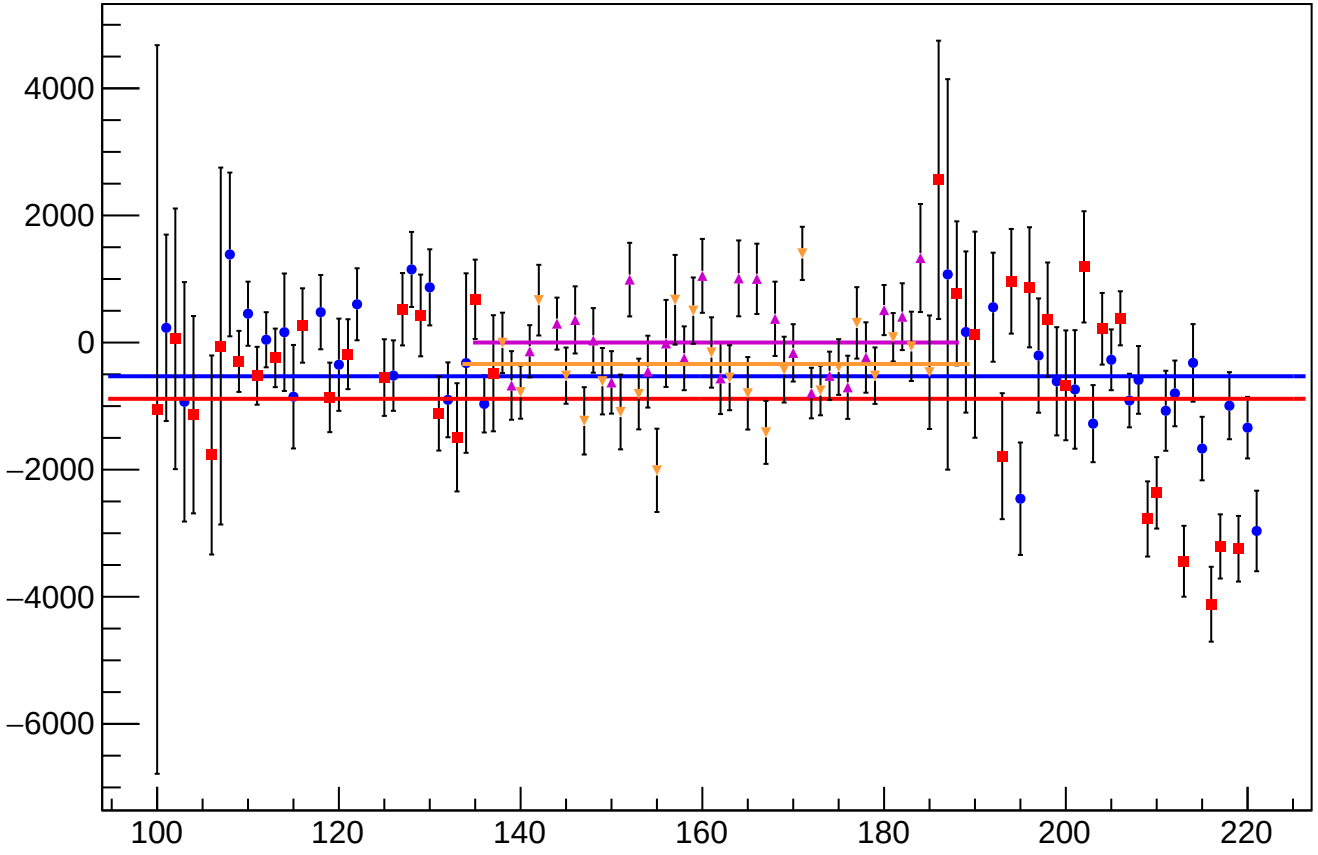
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1097.997+/-0.123 χ^2/NDF: 734101.2/57

All: 1100.141+/-0.088 χ^2/NDF: 1061931.5/11

- sign 1102.334+/-0.125 χ^2/NDF: 327218.7/57

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: -530.475+/-108.383 χ^2/NDF: 65.2/33

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

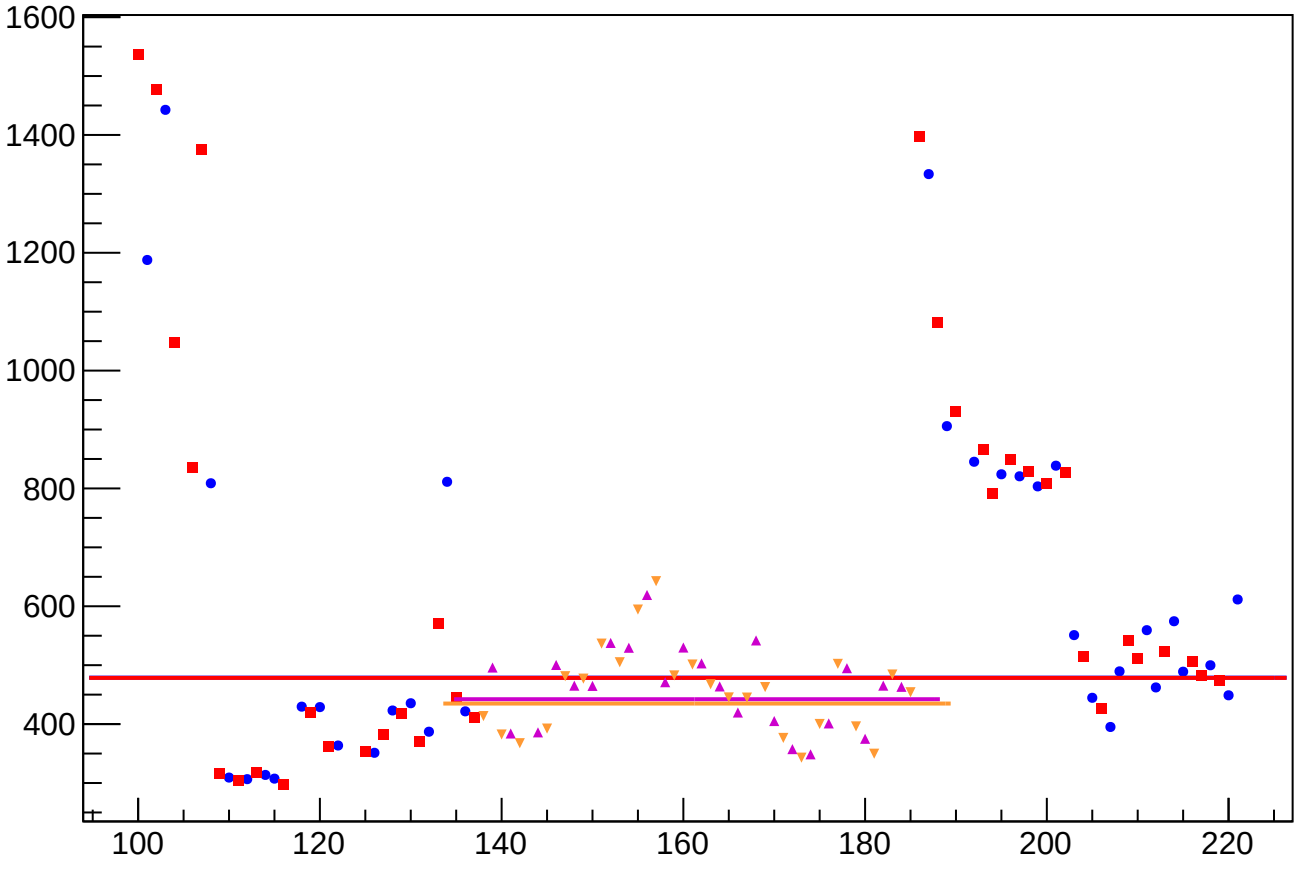
Right Out: -885.096+/-112.993 χ^2/NDF: 172.9/34

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

\+ sign -428.823+/-74.510 χ^2/NDF: 115.6/57

All: -419.079+/-53.482 χ^2/NDF: 353.5/115

\- sign -408.724+/-76.812 χ^2/NDF: 237.8/57



Right In: 478.839+/-0.077 χ^2/NDF: 4478547.8/33

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 478.418+/-0.080 χ^2/NDF: 5432789.0/34

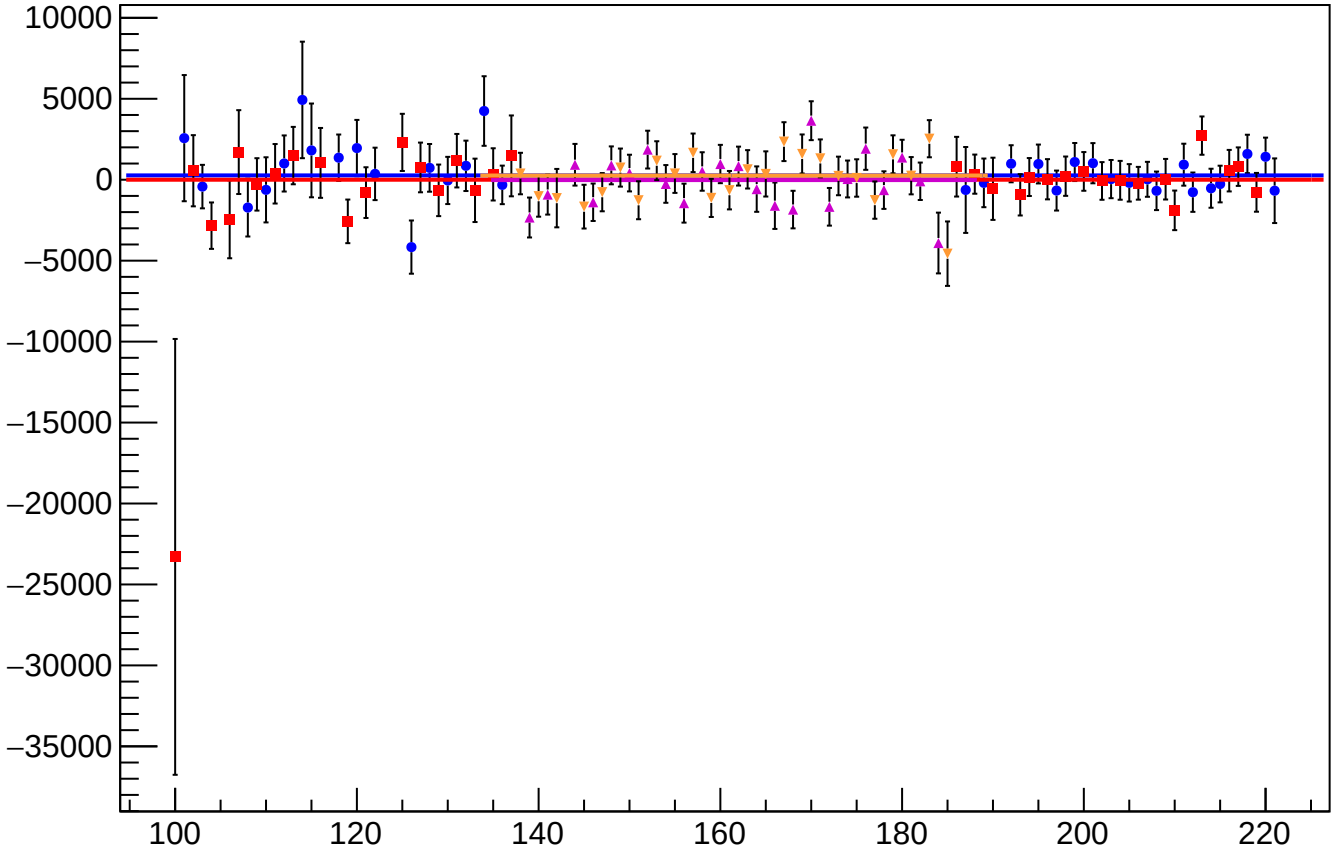
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 455.644+/-0.053 χ^2/NDF: 5530644.3/57

All: 457.243+/-0.038 χ^2/NDF: 11901778.3/11

- sign 458.942+/-0.054 χ^2/NDF: 6369235.2/57

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.524+/-242.079 χ^2/NDF: 24.3/33

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -0.308+/-245.714 χ^2/NDF: 26.4/34

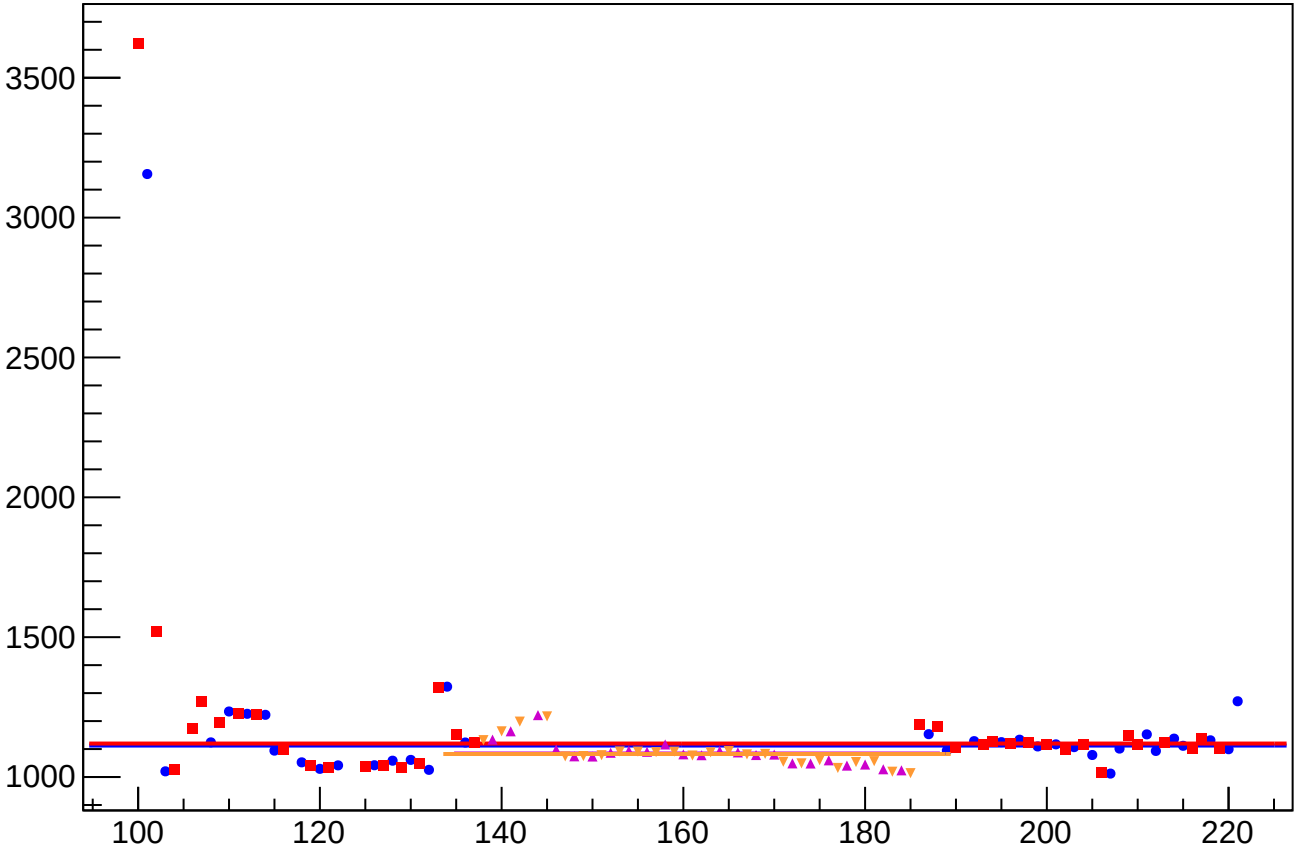
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 264.212+/-174.378 χ^2/NDF: 52.5/57

All: 128.176+/-124.005 χ^2/NDF: 116.0/115

- sign -10.999+/-176.378 χ^2/NDF: 62.2/57

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.544+/-0.171 χ^2/NDF: 661217.1/33

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

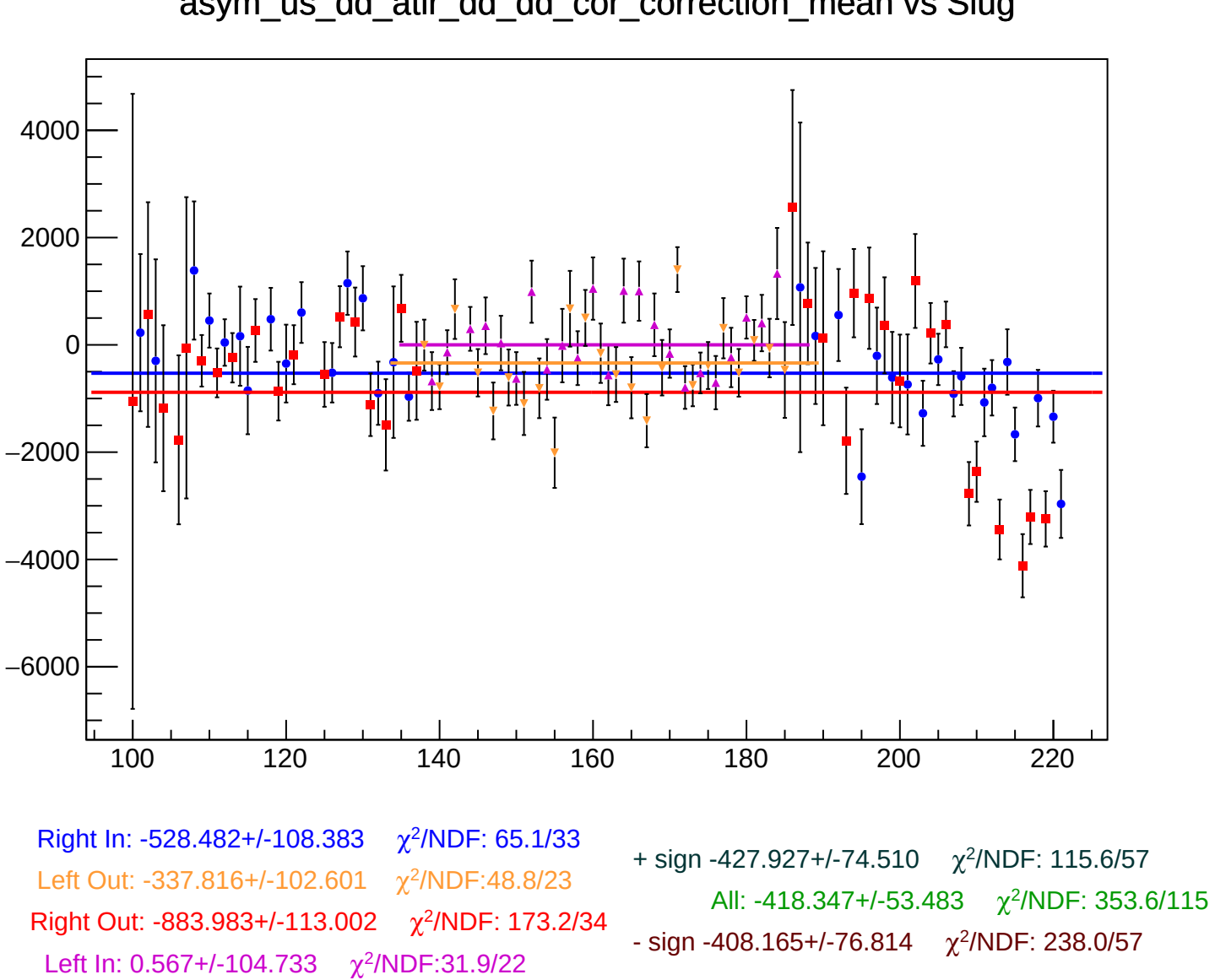
Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

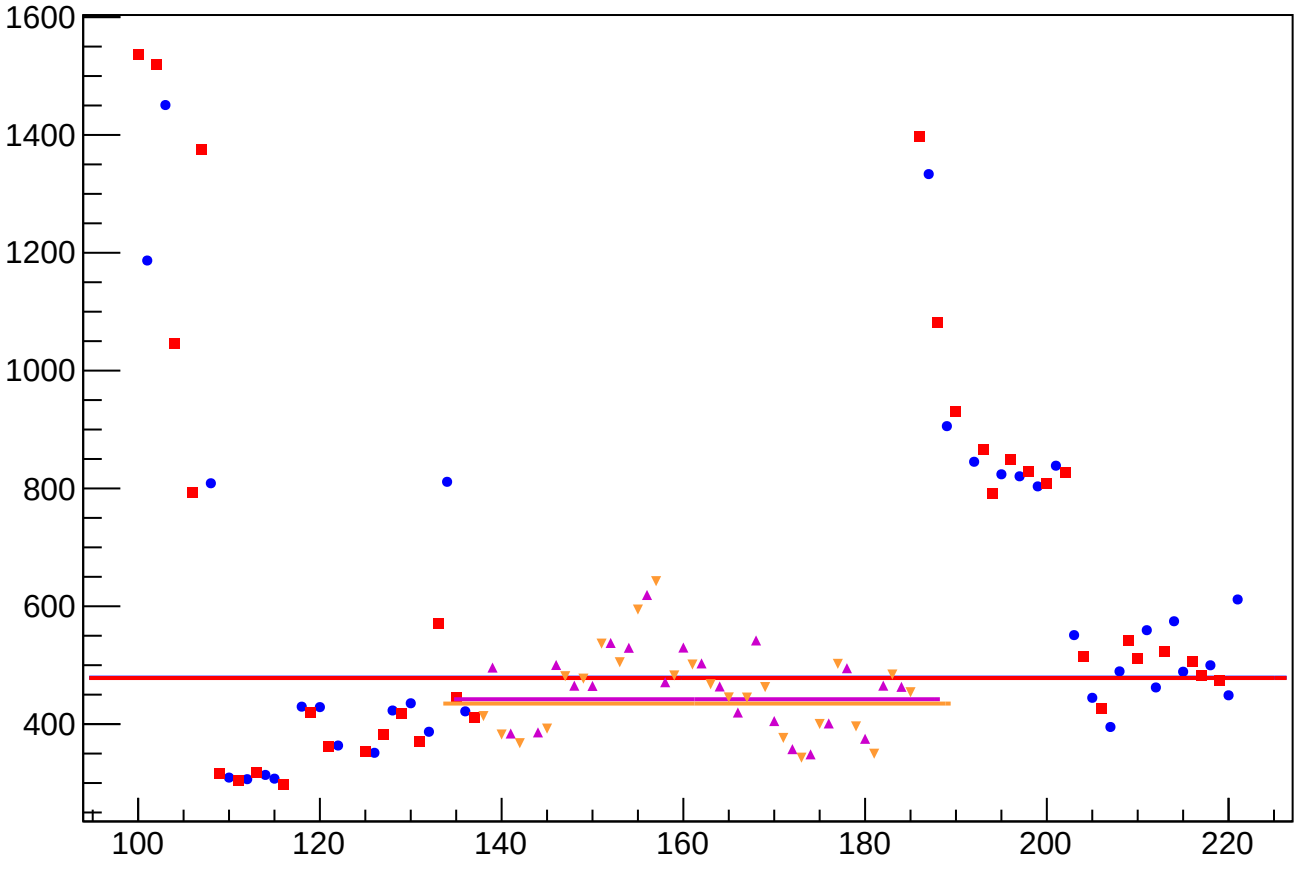
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1097.997+/-0.123 χ^2/NDF: 734102.1/57

All: 1100.216+/-0.088 χ^2/NDF: 1063094.4/11

- sign 1102.485+/-0.125 χ^2/NDF: 328337.3/57


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -528.482+/-108.383 χ²/NDF: 65.1/33
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: -883.983+/-113.002 χ²/NDF: 173.2/34
Left In: 0.567+/-104.733 χ²/NDF:31.9/22
+ sign -427.927+/-74.510 χ²/NDF: 115.6/57
All: -418.347+/-53.483 χ²/NDF: 353.6/115
- sign -408.165+/-76.814 χ²/NDF: 238.0/57



Right In: 478.836+/-0.077 χ^2/NDF: 4482375.8/33

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

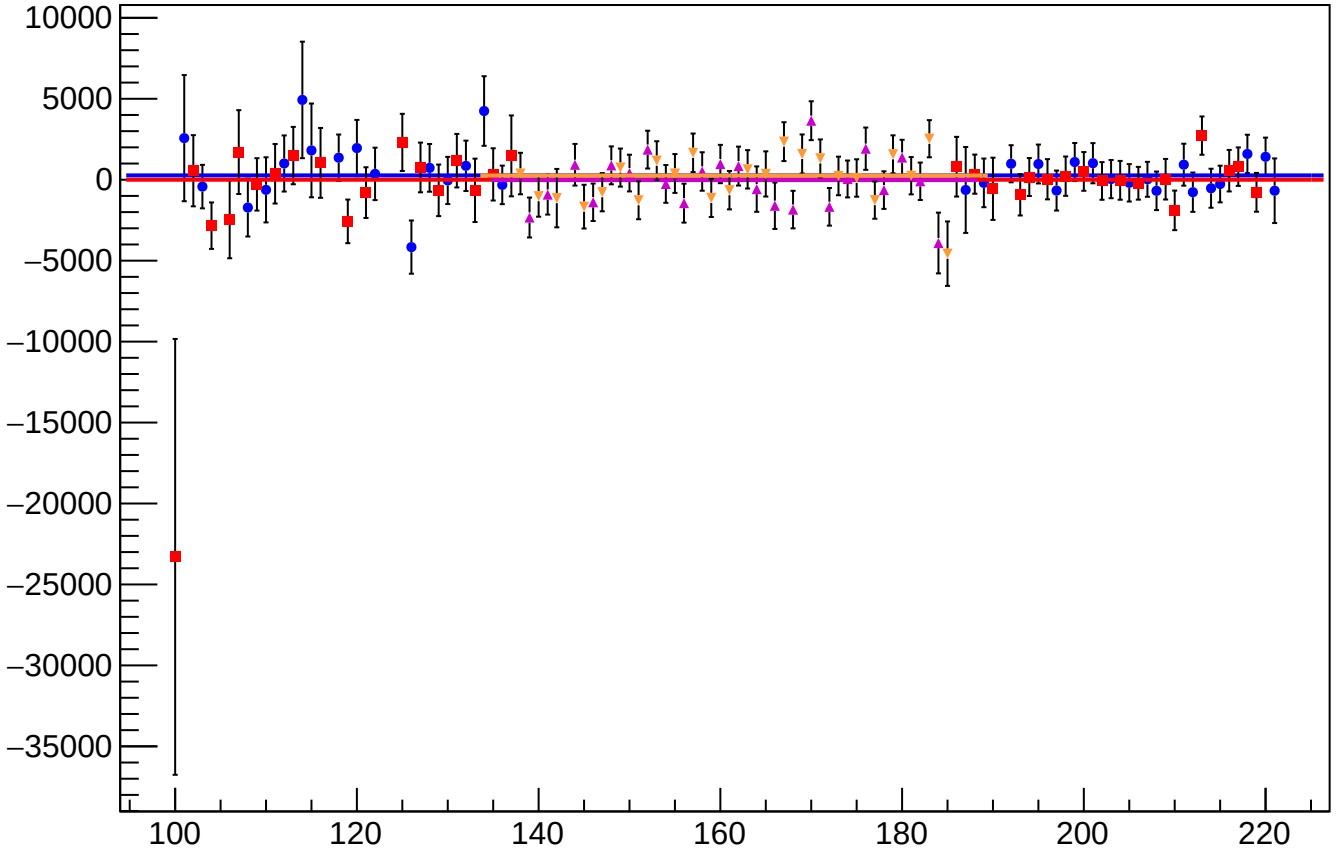
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 455.641+/-0.053 χ^2/NDF: 5534559.4/57

All: 457.190+/-0.038 χ^2/NDF: 11898944.7/11

- sign 458.835+/-0.054 χ^2/NDF: 6362603.8/57

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.524+/-242.079 χ^2/NDF: 24.3/33

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -0.308+/-245.714 χ^2/NDF: 26.4/34

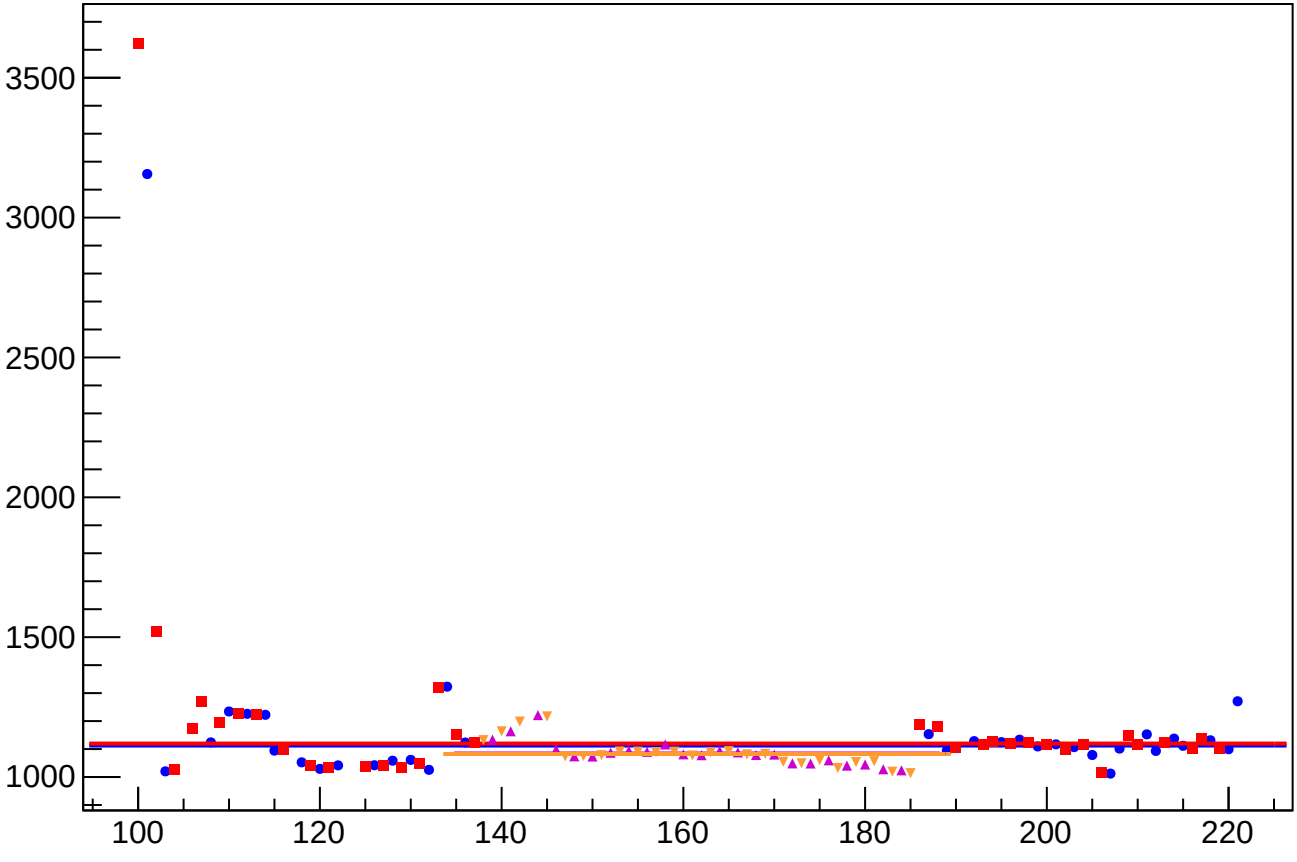
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 264.212+/-174.378 χ^2/NDF: 52.5/57

All: 128.176+/-124.005 χ^2/NDF: 116.0/115

- sign -10.999+/-176.378 χ^2/NDF: 62.2/57

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.544+/-0.171 χ^2/NDF: 661217.1/33

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

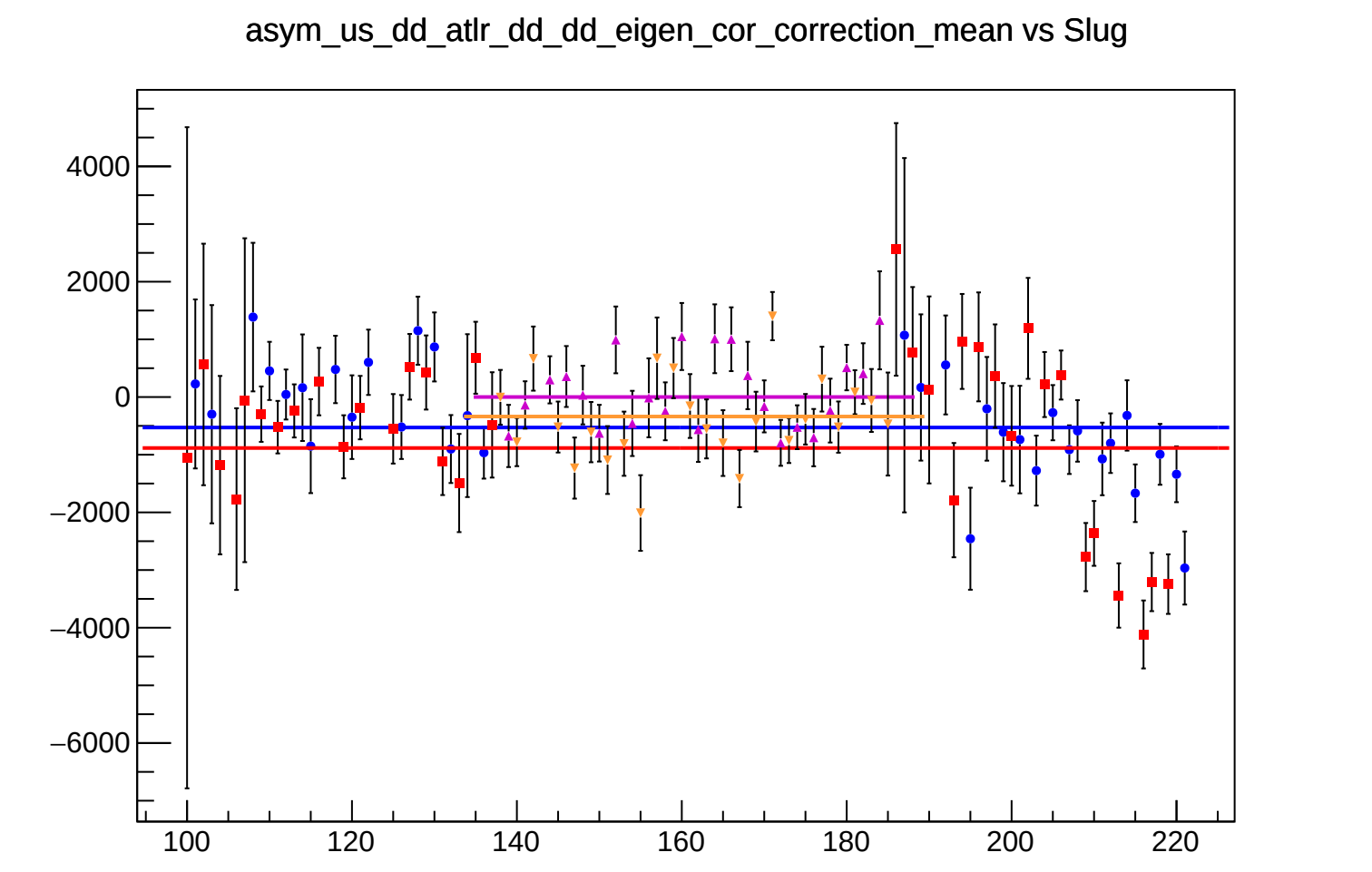
Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1097.997+/-0.123 χ^2/NDF: 734102.1/57

All: 1100.216+/-0.088 χ^2/NDF: 1063094.4/11

- sign 1102.485+/-0.125 χ^2/NDF: 328337.3/57



Right In: -528.482+/-108.383 χ^2/NDF: 65.1/33

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

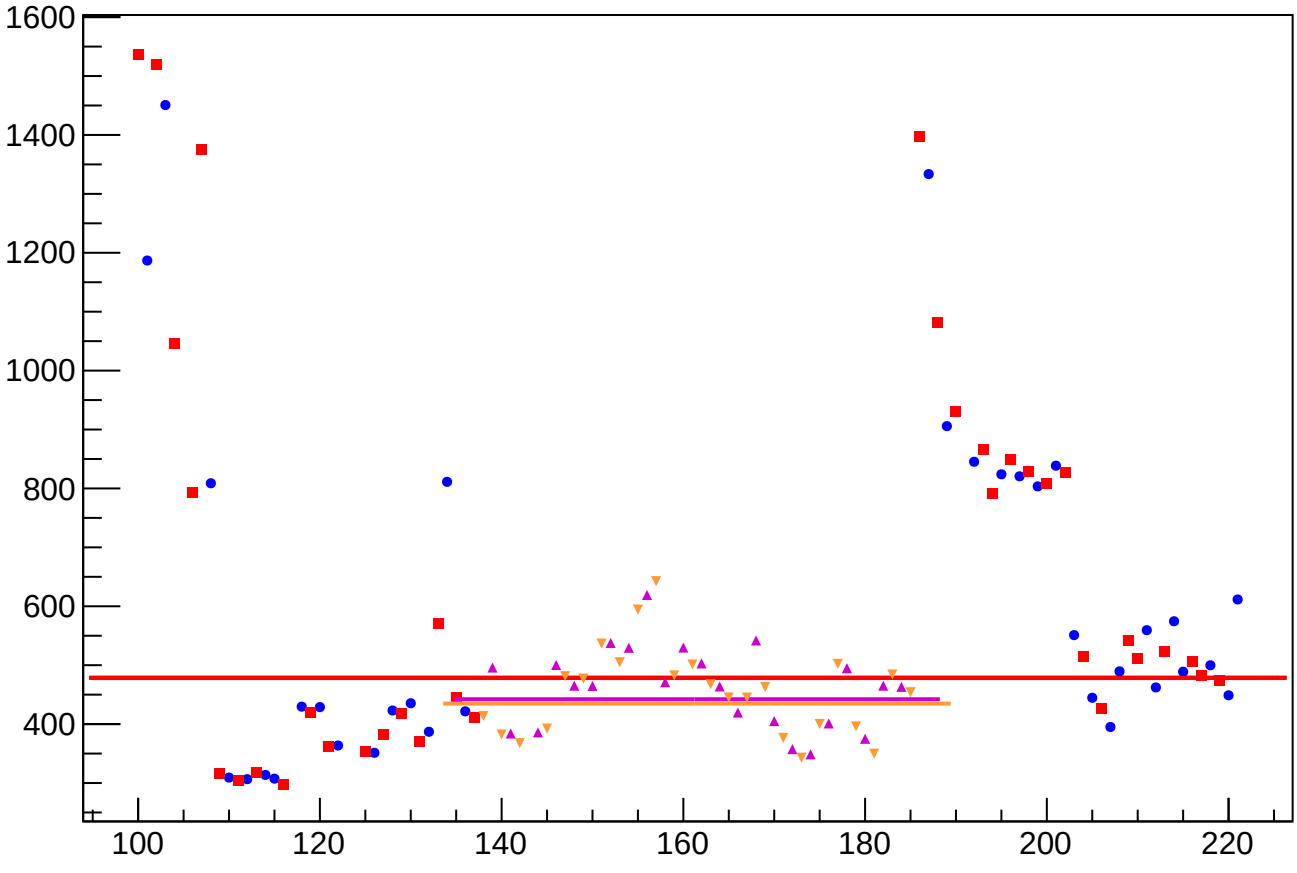
Right Out: -883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -427.927+/-74.510 χ^2/NDF: 115.6/57

All: -418.347+/-53.483 χ^2/NDF: 353.6/115

- sign -408.165+/-76.814 χ^2/NDF: 238.0/57



Right In: 478.836+/-0.077 χ^2/NDF: 4482375.8/33

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

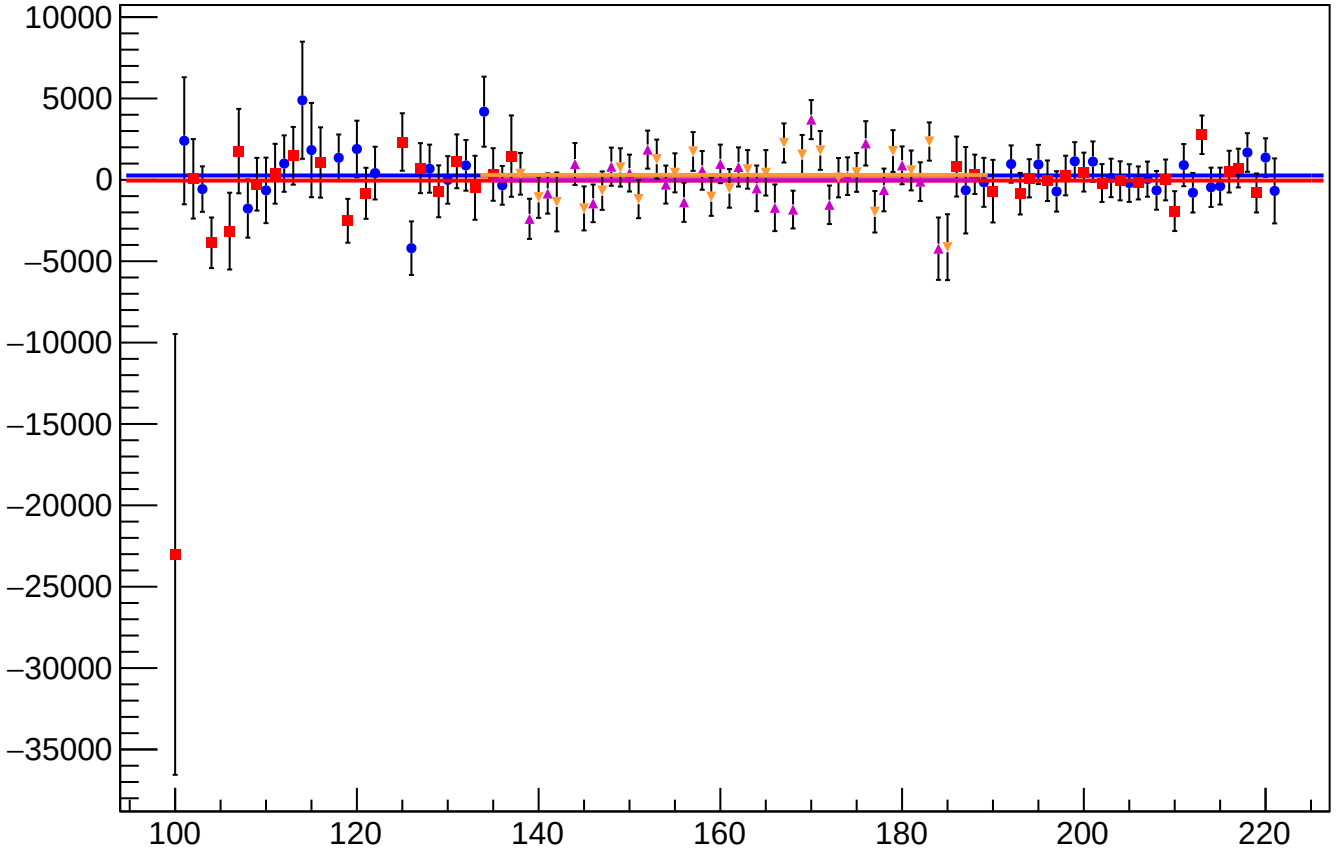
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 455.641+/-0.053 χ^2/NDF: 5534559.4/57

All: 457.190+/-0.038 χ^2/NDF: 11898944.7/11

- sign 458.835+/-0.054 χ^2/NDF: 6362603.8/57

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.812+/-242.633 χ^2/NDF: 24.5/33

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -43.543+/-246.760 χ^2/NDF: 29.2/34

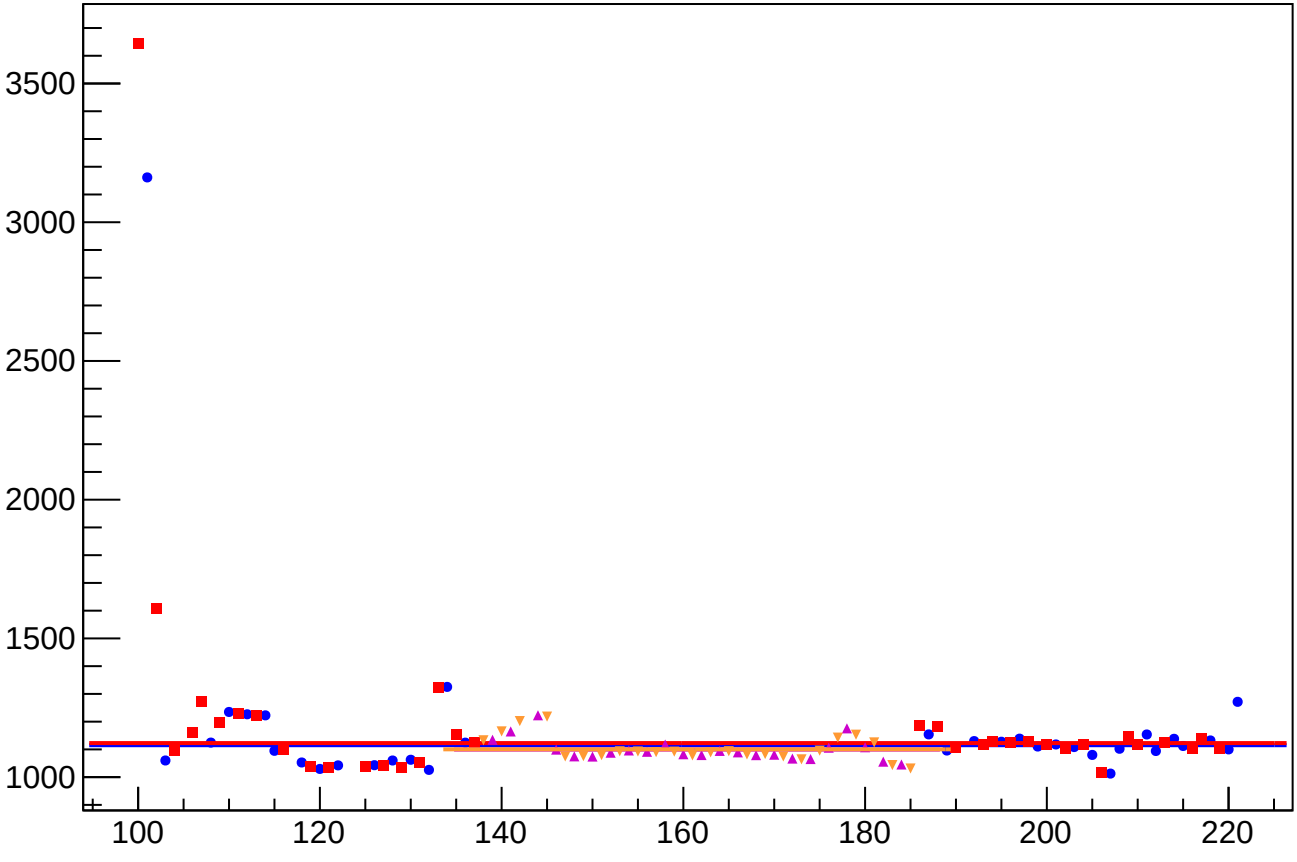
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 284.685+/-175.959 χ^2/NDF: 53.0/57

All: 126.743+/-125.120 χ^2/NDF: 119.7/115

- sign -34.796+/-177.951 χ^2/NDF: 65.1/57

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.117+/-0.172 χ^2/NDF: 655681.0/33

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

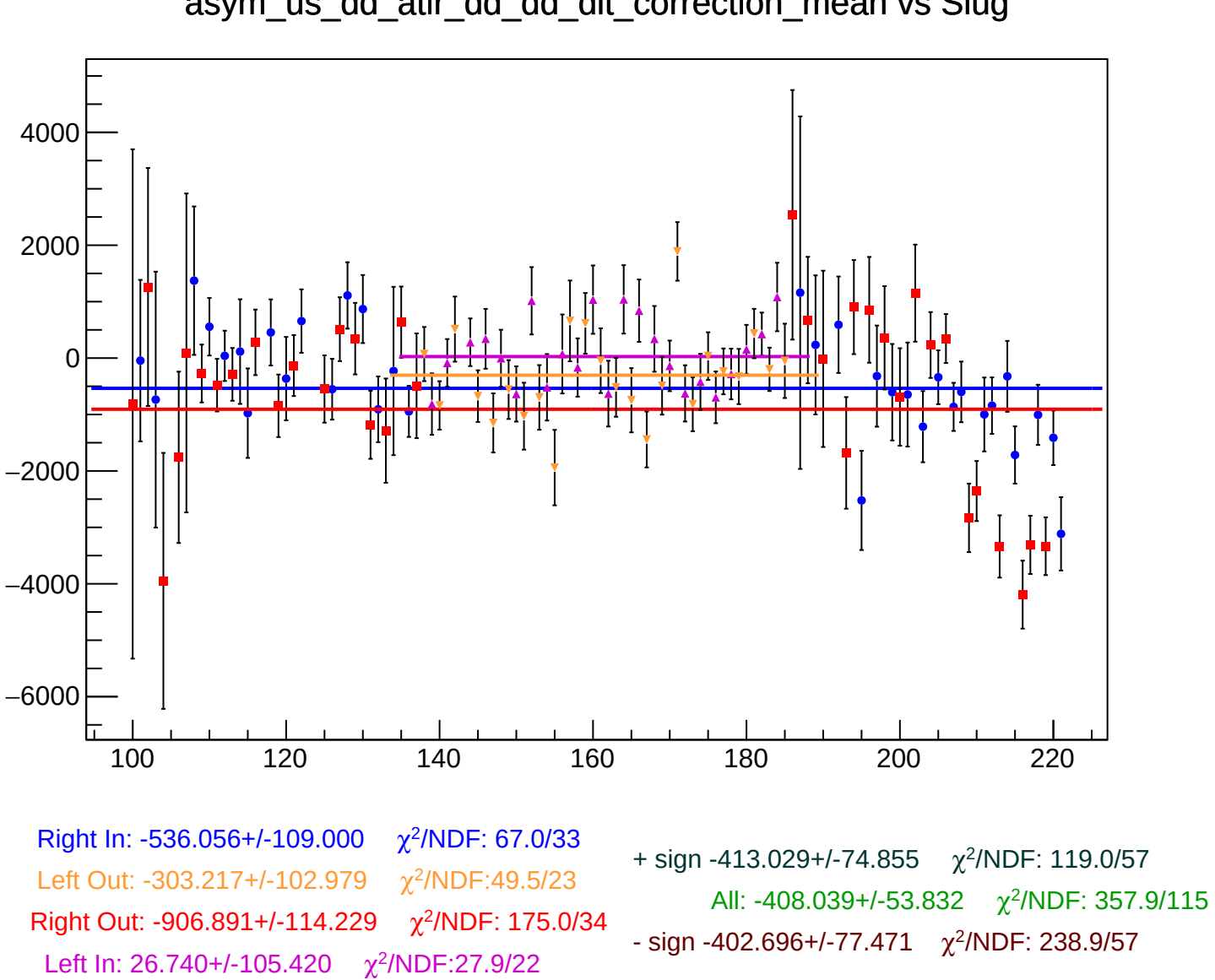
Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.1/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

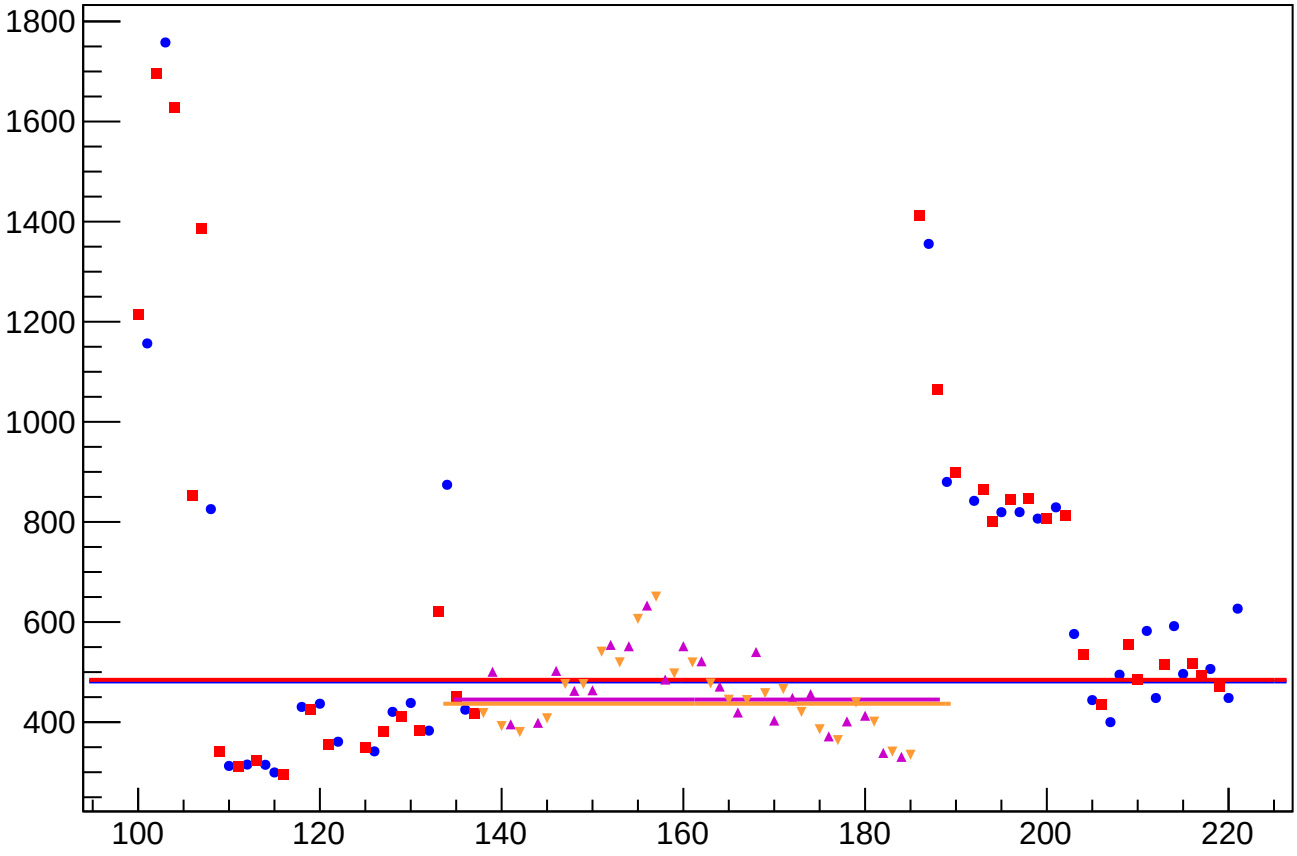
+ sign 1108.073+/-0.124 χ^2/NDF: 708011.2/57

All: 1109.783+/-0.088 χ^2/NDF: 1022310.9/11

- sign 1111.532+/-0.126 χ^2/NDF: 313917.7/57


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -536.056+/-109.000 χ²/NDF: 67.0/33
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -906.891+/-114.229 χ²/NDF: 175.0/34
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -413.029+/-74.855 χ²/NDF: 119.0/57
All: -408.039+/-53.832 χ²/NDF: 357.9/115
- sign -402.696+/-77.471 χ²/NDF: 238.9/57

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 481.347+/-0.077 χ^2/NDF: 4633442.8/33

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 484.577+/-0.081 χ^2/NDF: 5742493.6/34

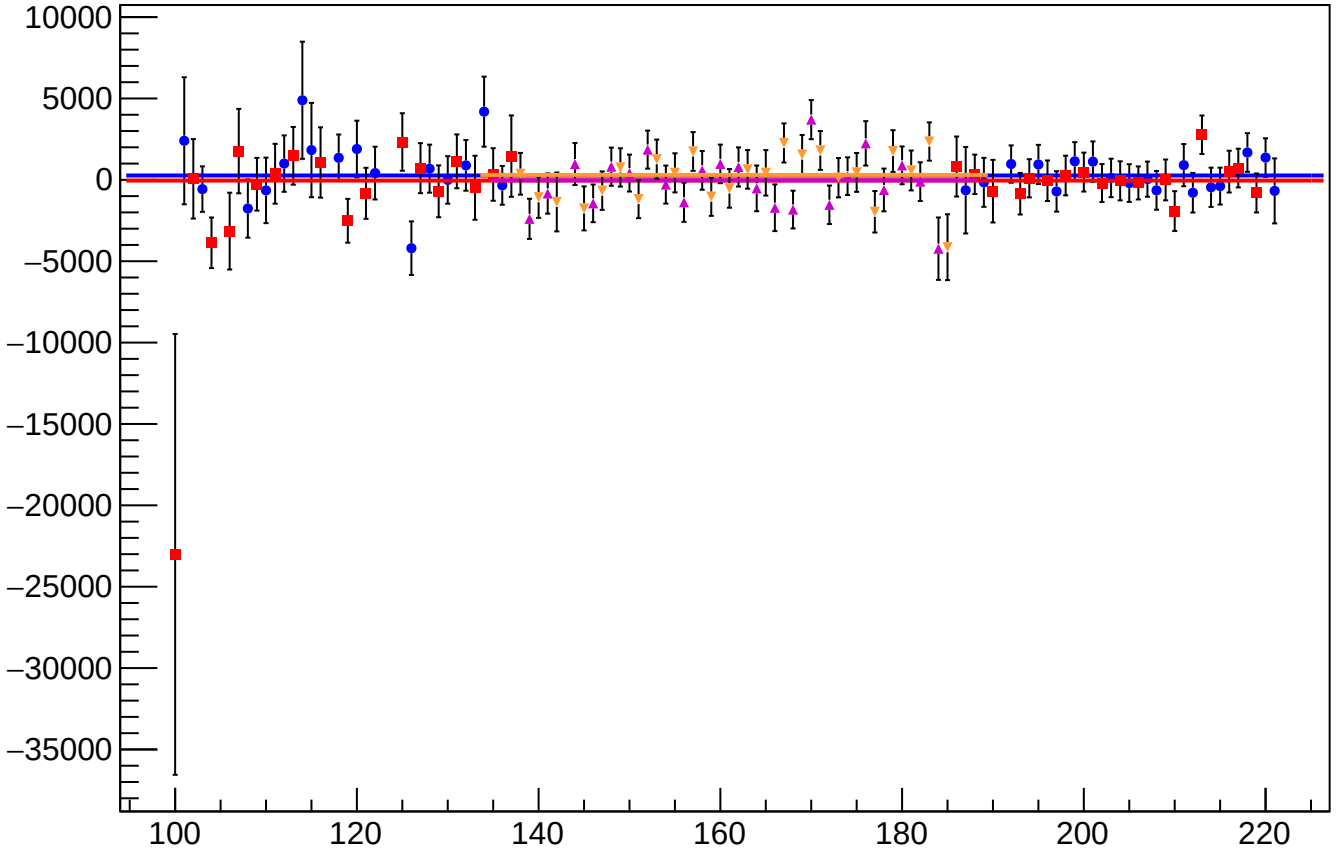
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 457.802+/-0.053 χ^2/NDF: 5665257.7/57

All: 460.439+/-0.038 χ^2/NDF: 12416368.3/11

- sign 463.263+/-0.055 χ^2/NDF: 6745972.2/57

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 267.810+/-242.633 χ^2/NDF: 24.5/33

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -43.541+/-246.760 χ^2/NDF: 29.2/34

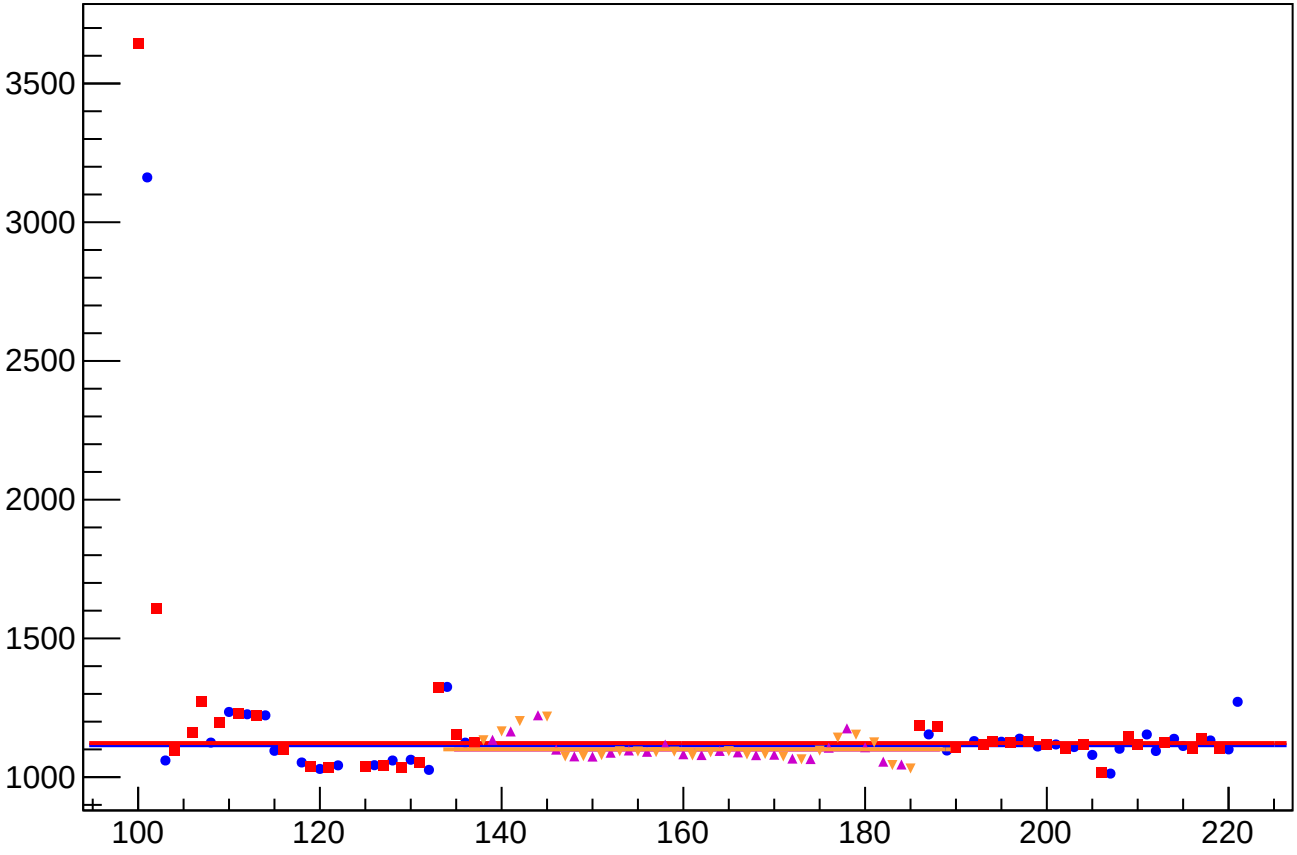
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 284.683+/-175.959 χ^2/NDF: 53.0/57

All: 126.742+/-125.120 χ^2/NDF: 119.7/115

- sign -34.796+/-177.951 χ^2/NDF: 65.1/57

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1115.117+/-0.172 χ^2/NDF: 655681.0/33

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

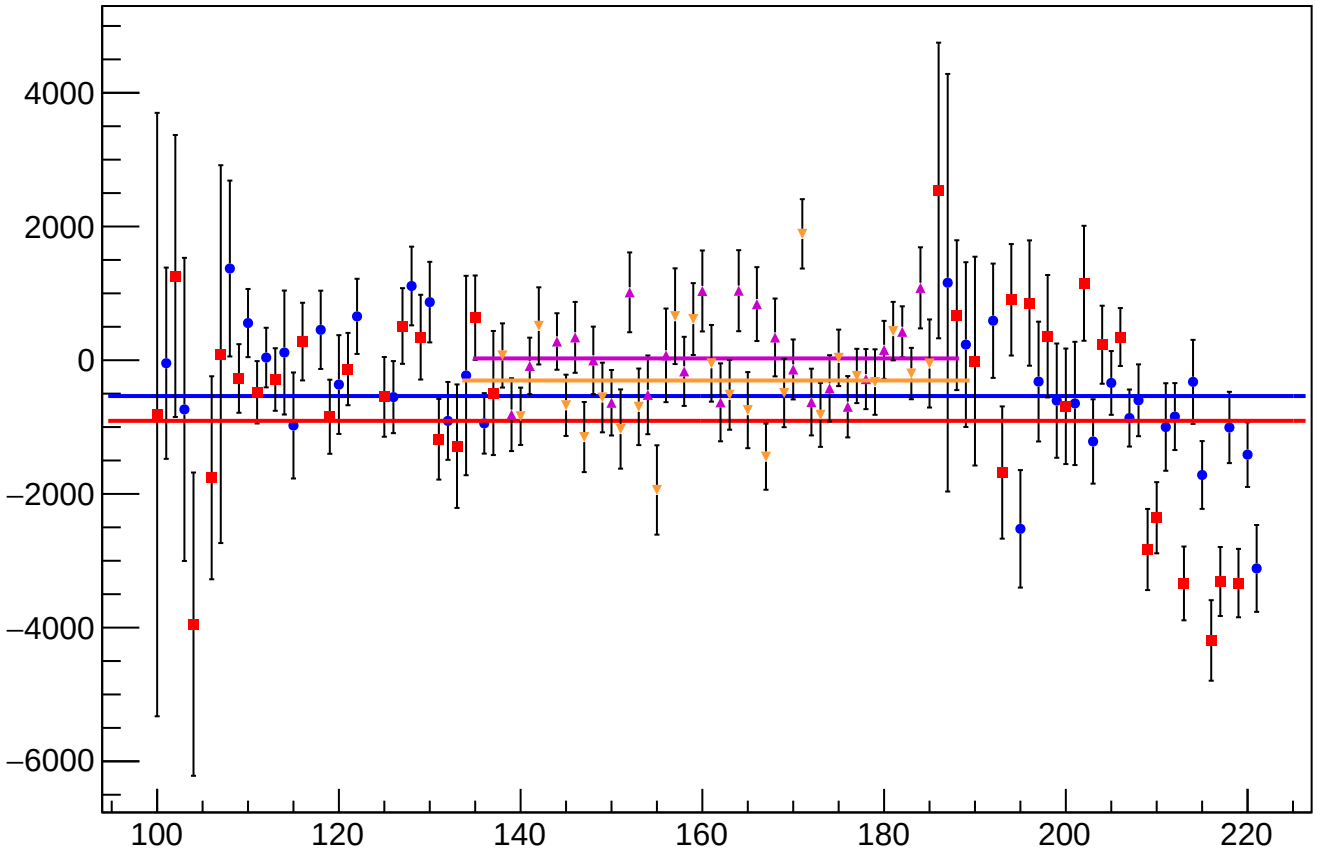
Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.2/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1108.073+/-0.124 χ^2/NDF: 708011.4/57

All: 1109.783+/-0.088 χ^2/NDF: 1022311.4/11

- sign 1111.532+/-0.126 χ^2/NDF: 313917.9/57



Right In: -536.060+/-109.000 χ^2/NDF: 67.0/33

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

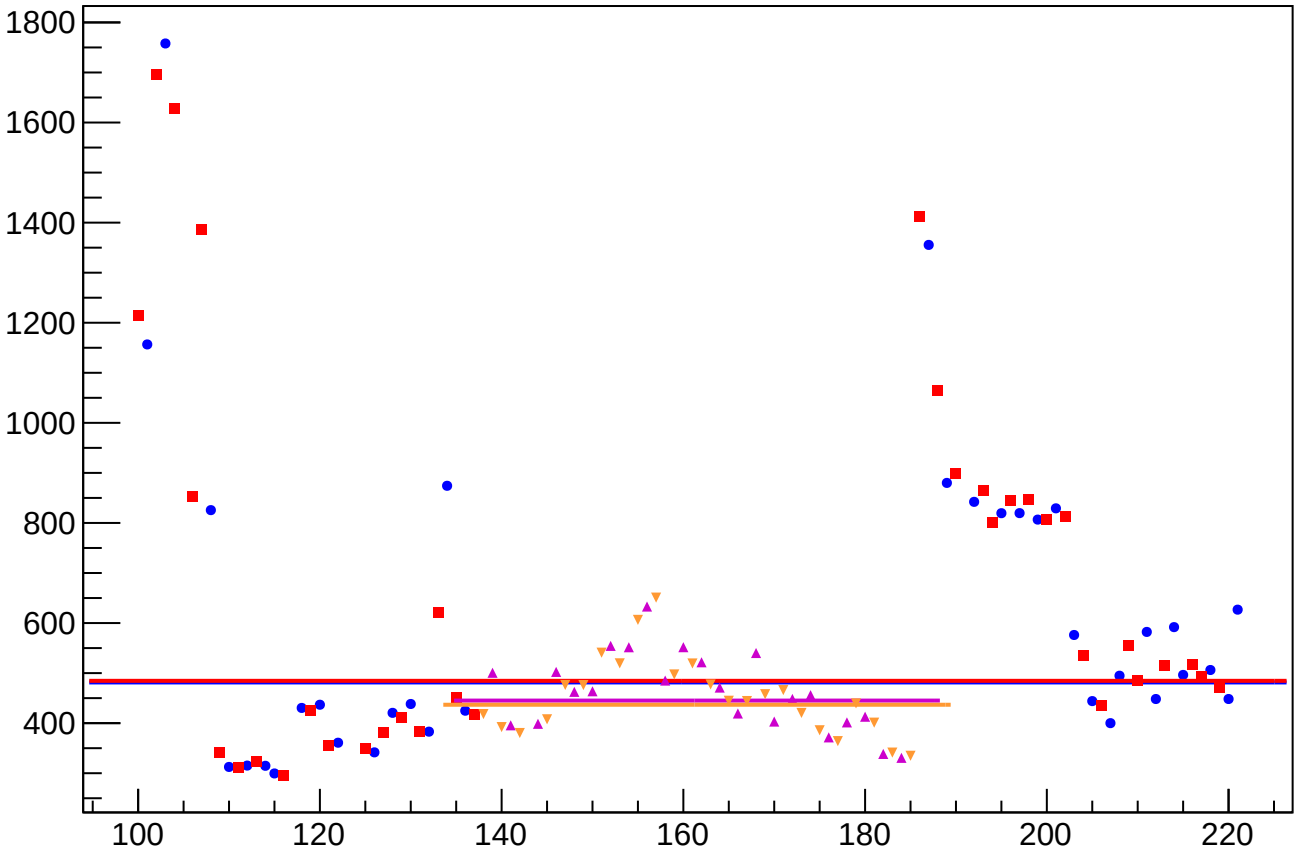
Right Out: -906.878+/-114.228 χ^2/NDF: 175.0/34

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -413.032+/-74.855 χ^2/NDF: 119.0/57

All: -408.039+/-53.831 χ^2/NDF: 357.9/115

- sign -402.692+/-77.470 χ^2/NDF: 238.9/57



Right In: 481.345+/-0.077 χ^2/NDF: 4633477.1/33

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 484.575+/-0.081 χ^2/NDF: 5742564.4/34

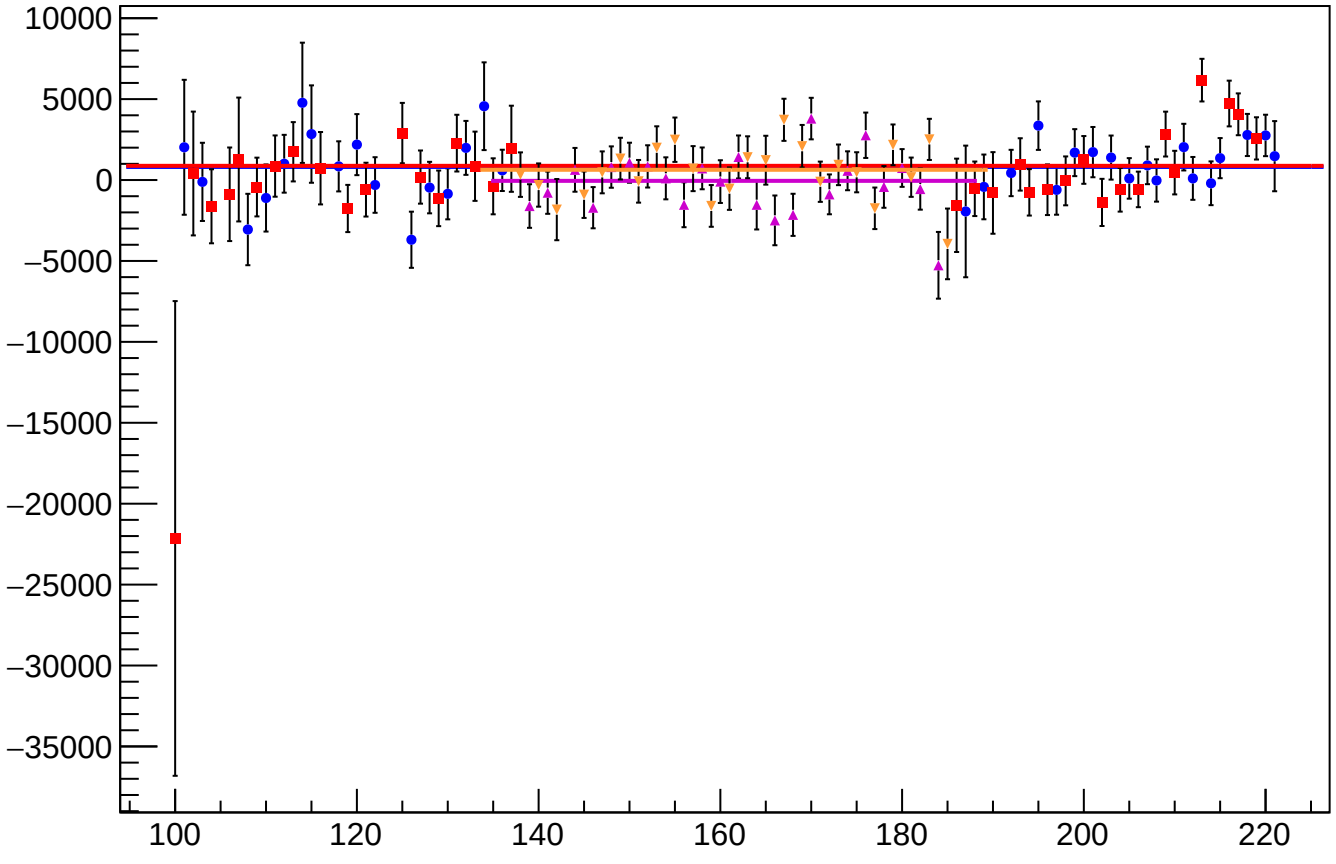
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 457.801+/-0.053 χ^2/NDF: 5665306.6/57

All: 460.438+/-0.038 χ^2/NDF: 12416510.2/11

- sign 463.261+/-0.055 χ^2/NDF: 6746065.2/57

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 809.456+/-275.594 χ^2/NDF: 30.4/33

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 877.268+/-284.345 χ^2/NDF: 56.2/34

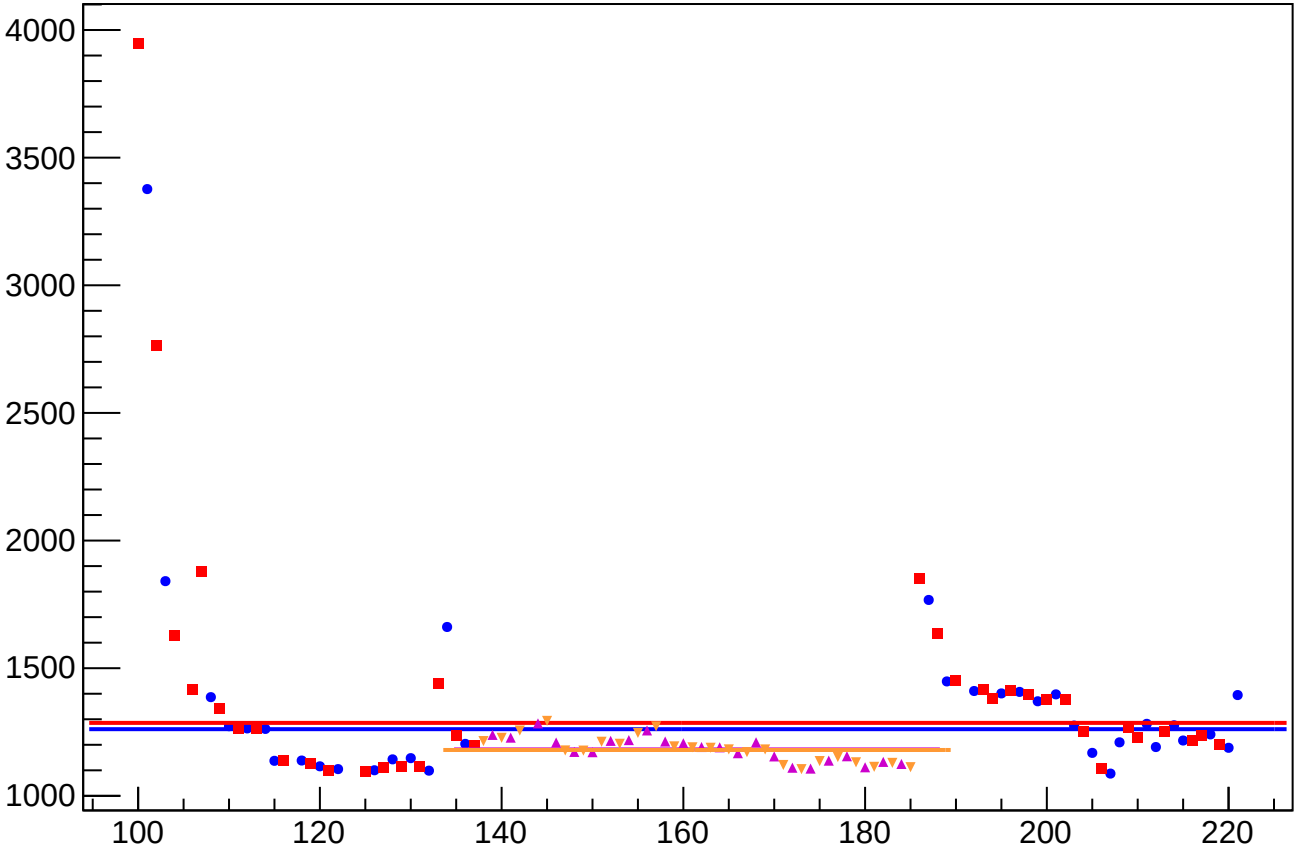
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 720.673+/-194.330 χ^2/NDF: 60.7/57

All: 563.316+/-138.734 χ^2/NDF: 158.8/115

\- sign 399.755+/-198.124 χ^2/NDF: 96.7/57

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1261.179+/-0.195 χ^2/NDF: 1002010.0/33

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

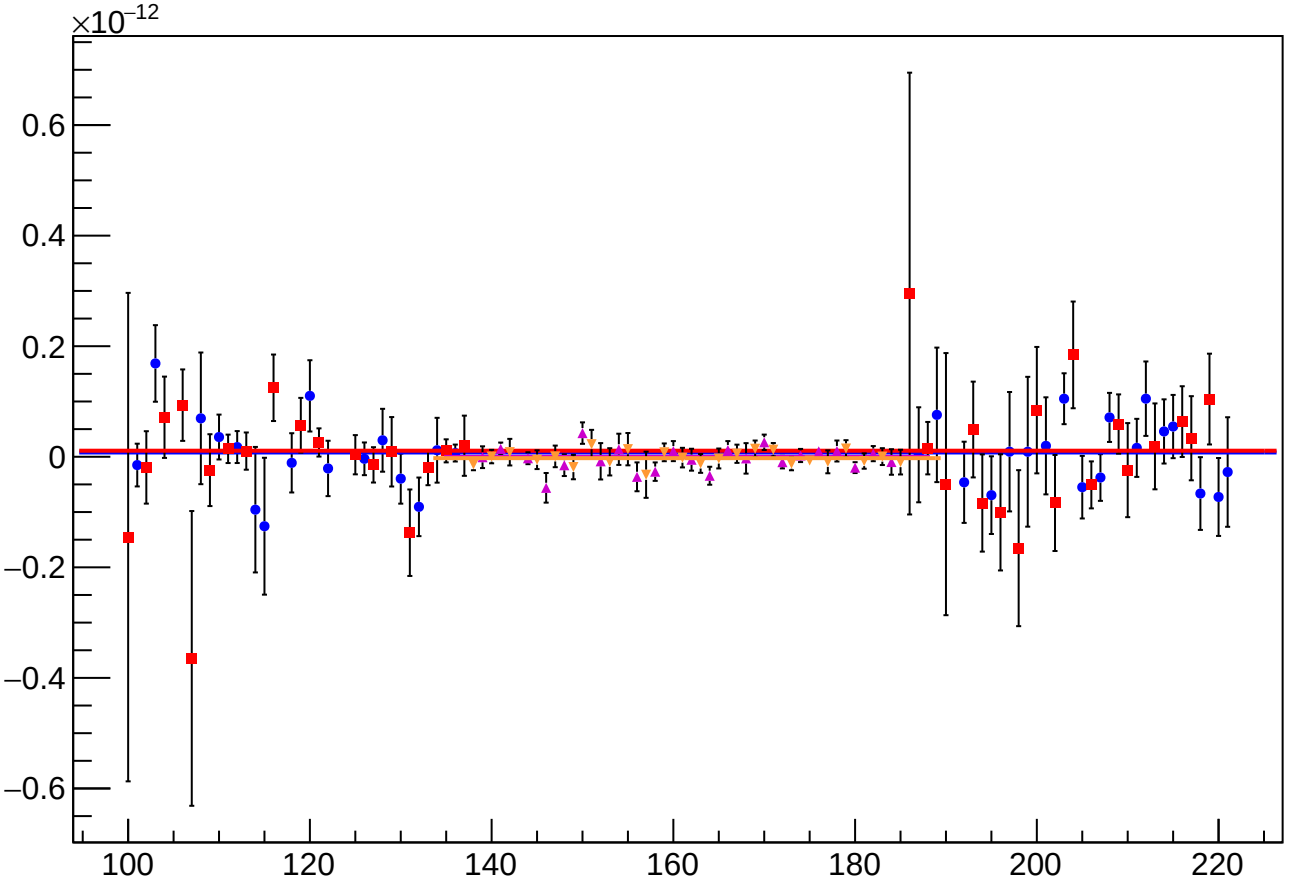
Right Out: 1285.805+/-0.201 χ^2/NDF: 927740.8/34

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1220.219+/-0.137 χ^2/NDF: 1154545.7/57

All: 1226.172+/-0.098 χ^2/NDF: 2283798.5/11

\- sign 1232.360+/-0.140 χ^2/NDF: 1125424.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 33.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

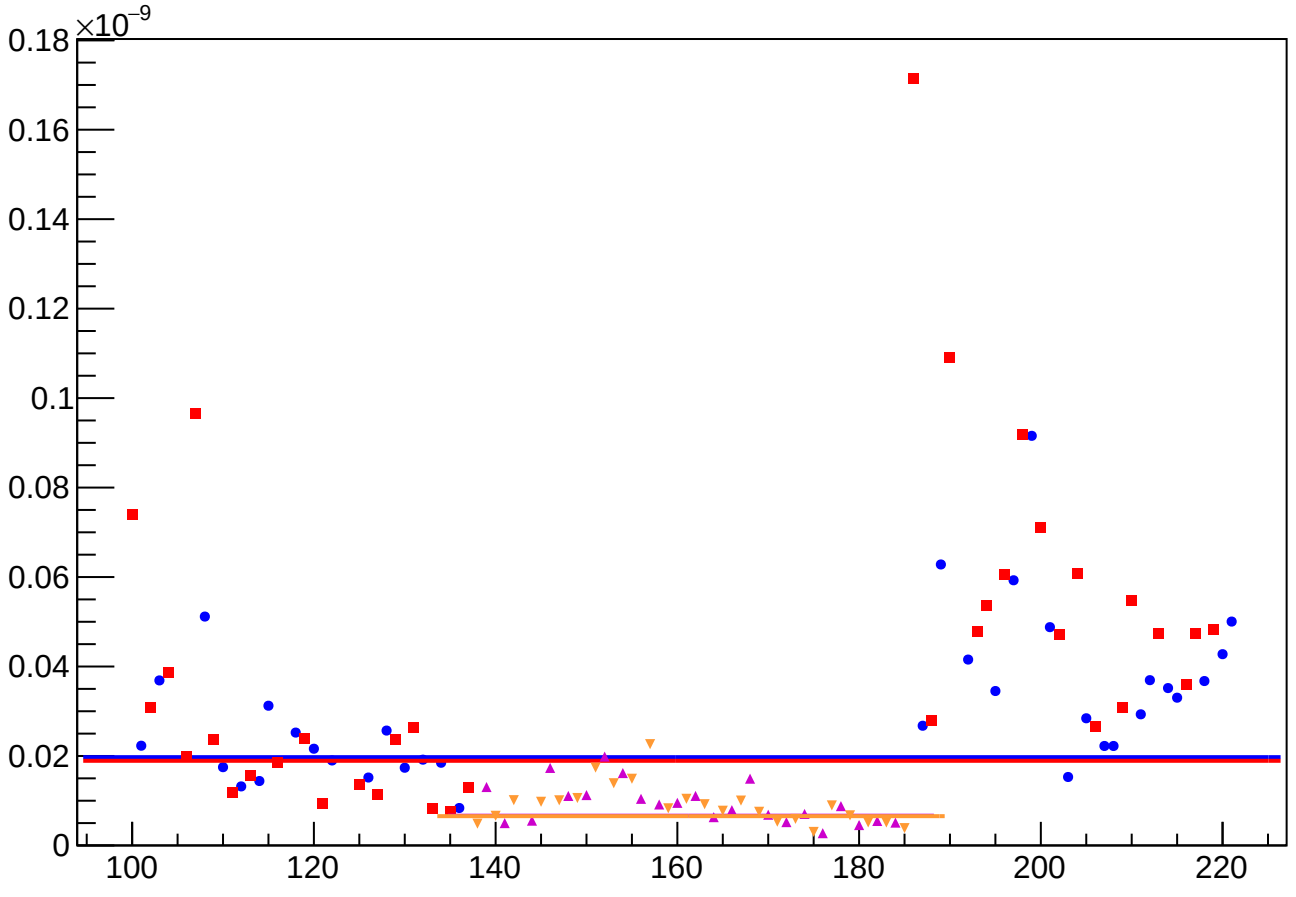
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/34

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/57

All: -0.000+/-0.000 χ^2/NDF: 109.3/115

- sign 0.000+/-0.000 χ^2/NDF: 63.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 4239488.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

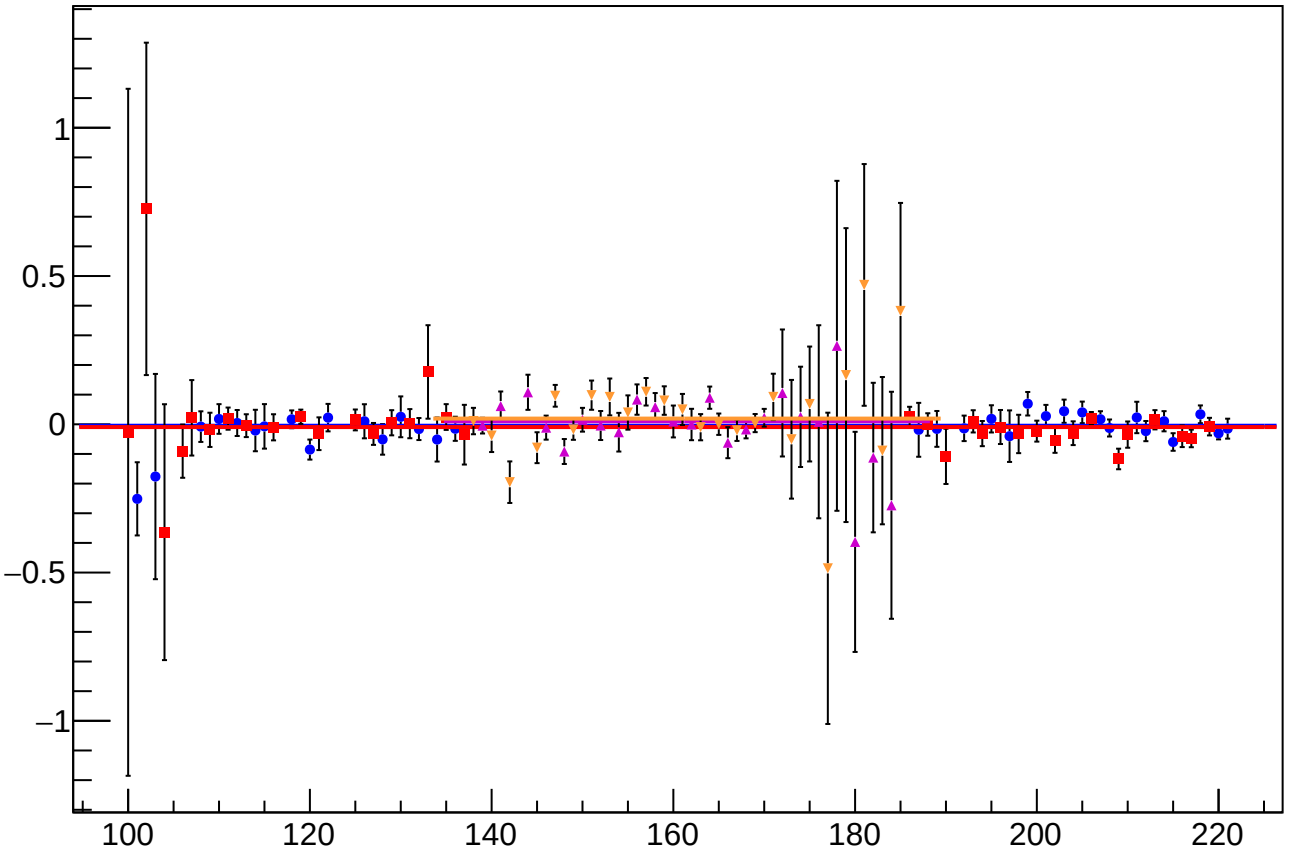
Right Out: 0.000+/-0.000 χ^2/NDF: 6454057.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11211328.7/57

All: 0.000+/-0.000 χ^2/NDF: 24017279.9/115

- sign 0.000+/-0.000 χ^2/NDF: 12805761.3/57



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

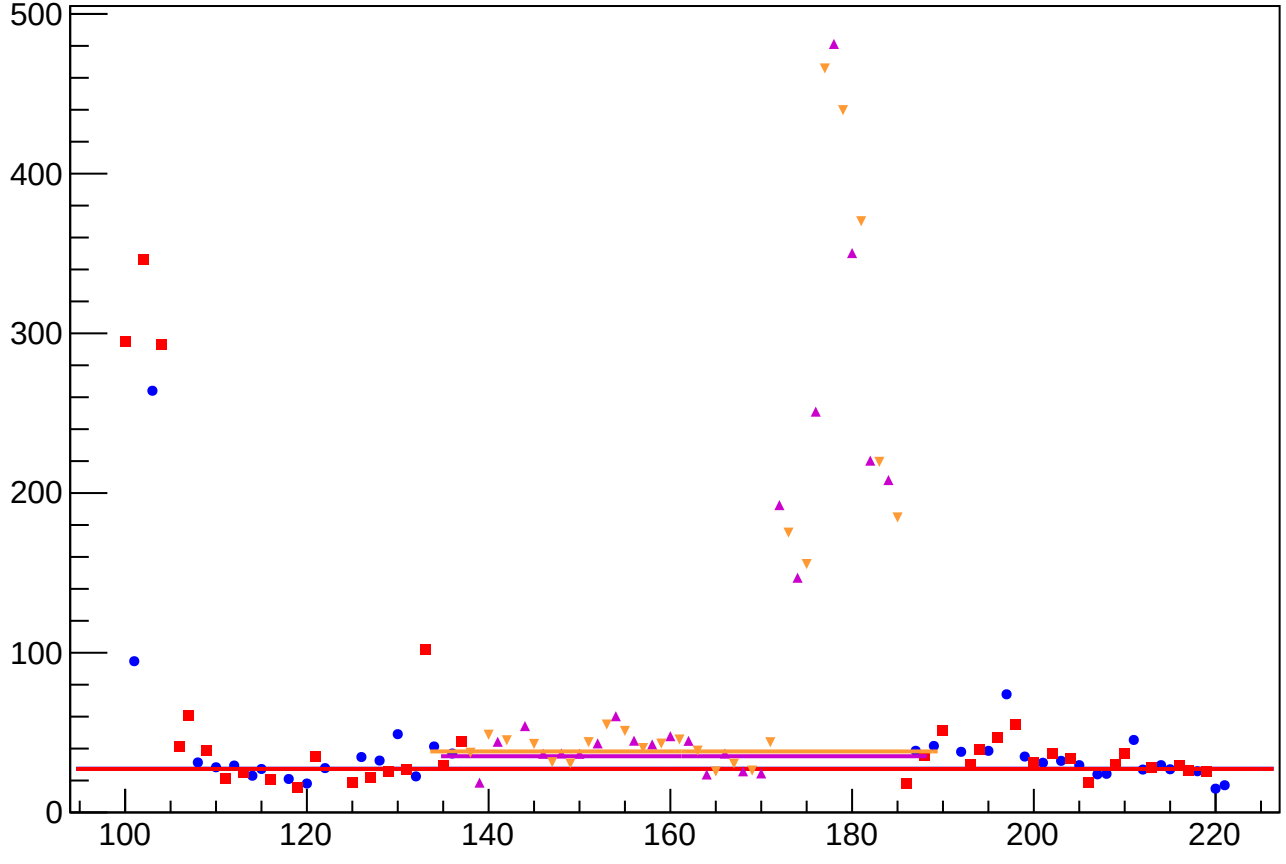
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 123.2/115

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57



Right In: 27.376+/-0.005 χ^2/NDF: 4586311.4/33

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

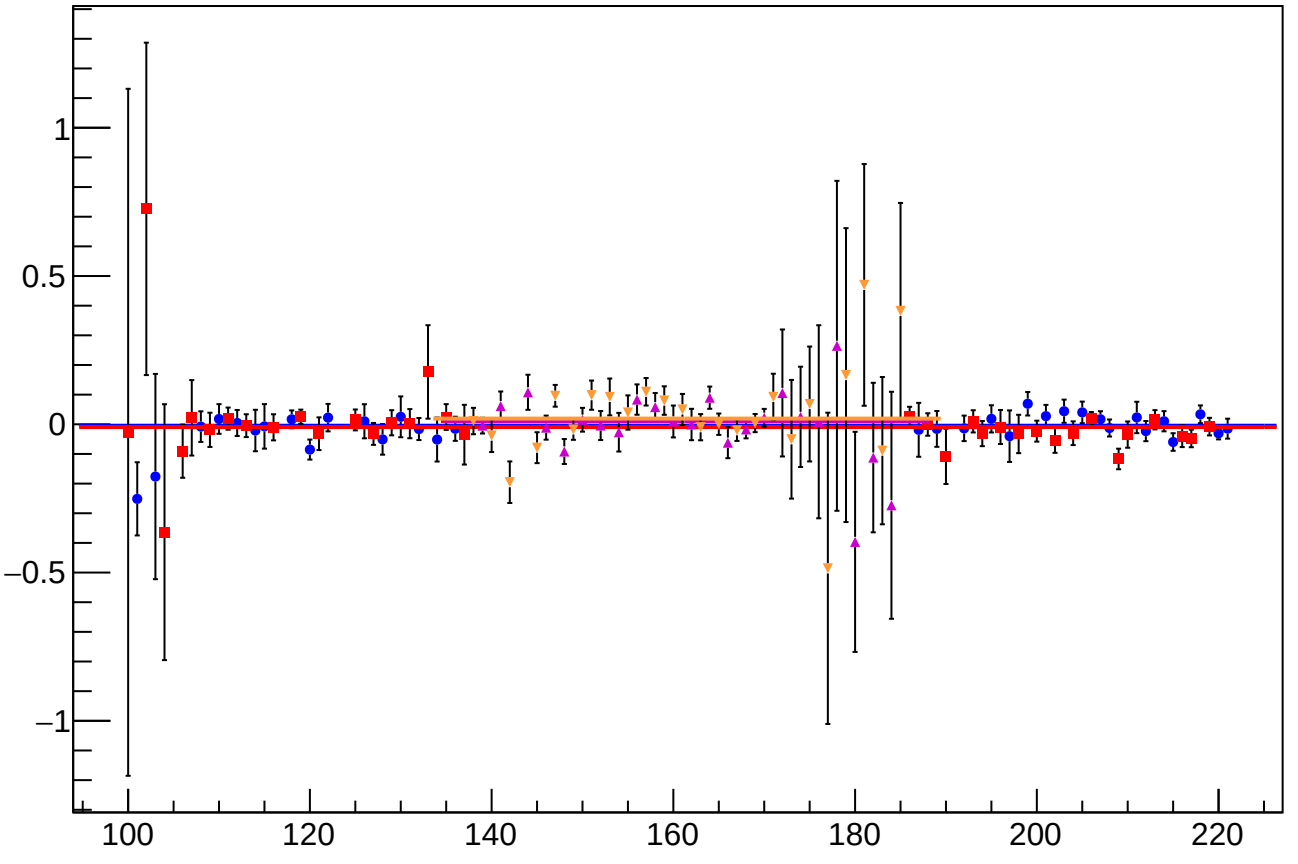
Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 30.508+/-0.004 χ^2/NDF: 14300471.0/57

All: 30.124+/-0.003 χ^2/NDF: 29368520.8/115

- sign 29.748+/-0.004 χ^2/NDF: 15050785.0/57



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

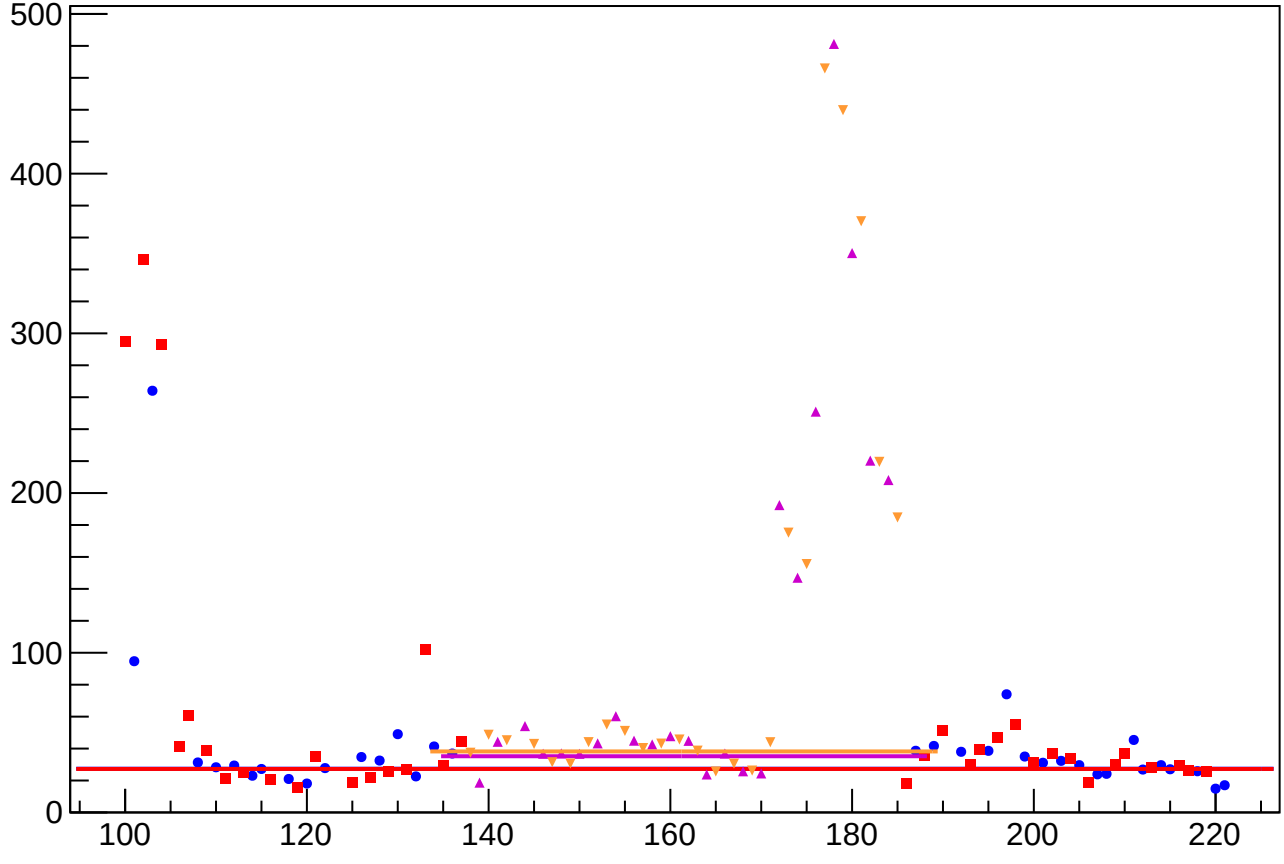
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 123.2/115

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57



Right In: 27.376+/-0.005 χ^2/NDF: 4586311.4/33

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

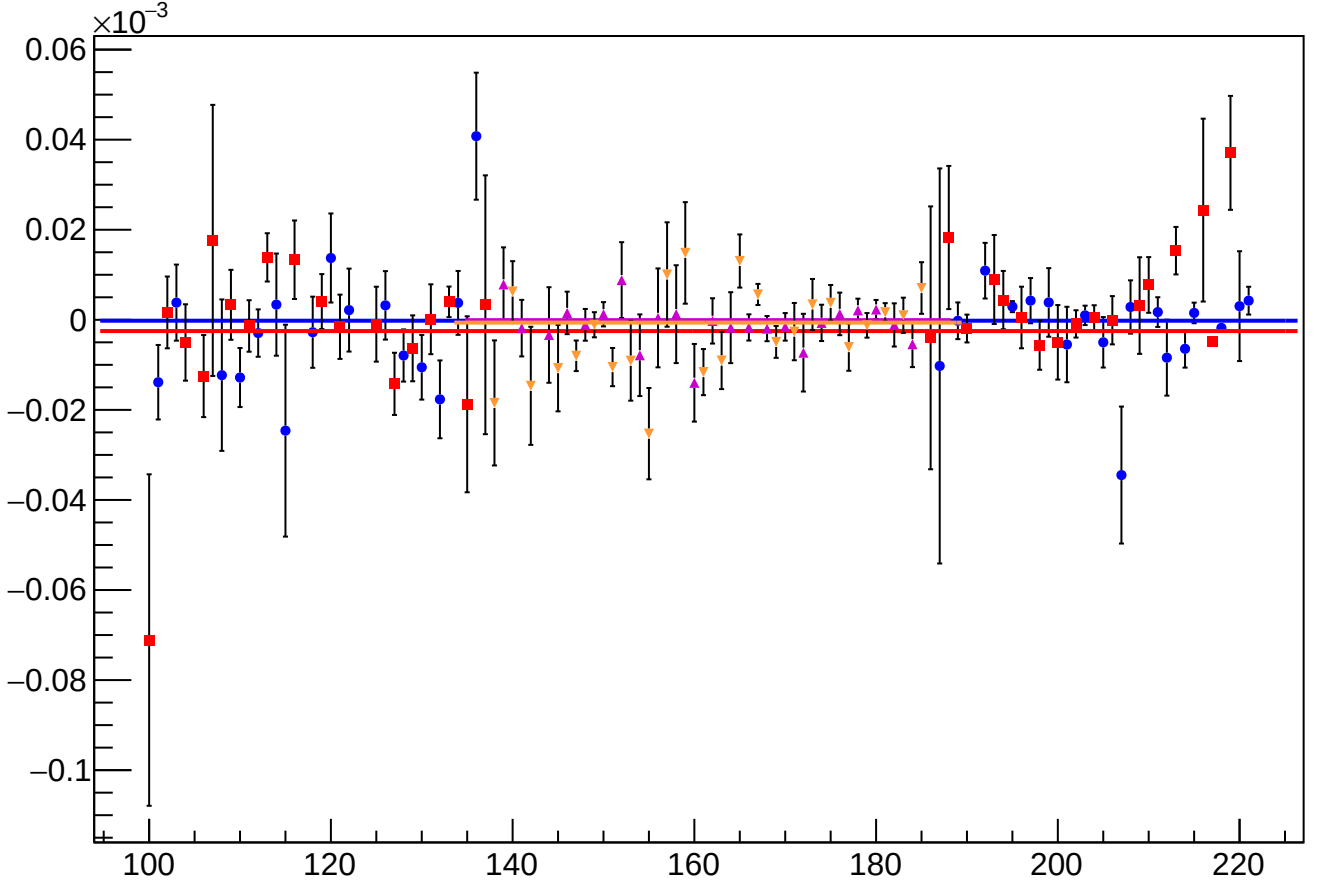
Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 30.508+/-0.004 χ^2/NDF: 14300471.0/57

All: 30.124+/-0.003 χ^2/NDF: 29368520.8/115

- sign 29.748+/-0.004 χ^2/NDF: 15050785.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 55.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

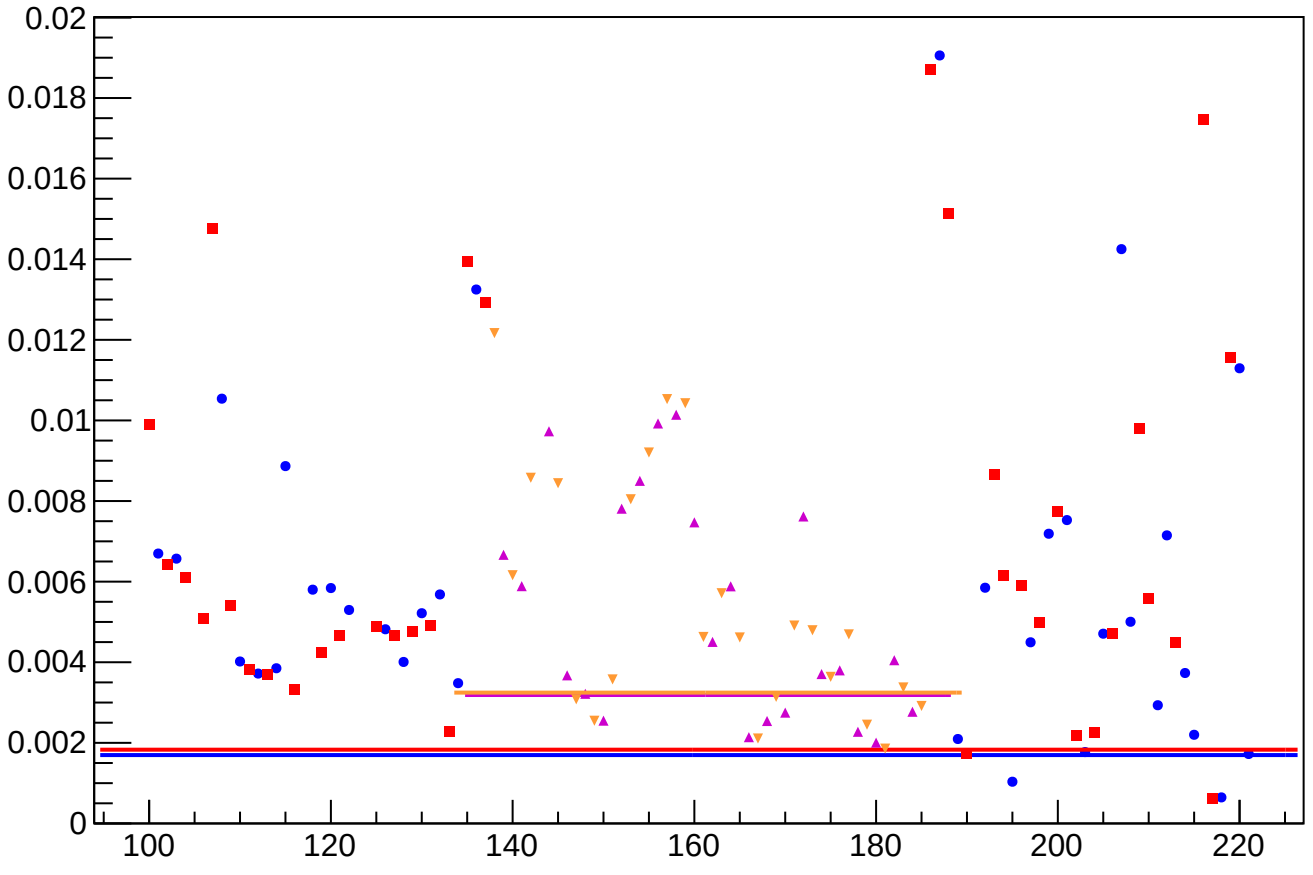
Right Out: -0.000+/-0.000 χ^2/NDF: 67.8/34

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.7/57

All: -0.000+/-0.000 χ^2/NDF: 194.2/115

- sign -0.000+/-0.000 χ^2/NDF: 83.9/57



Right In: 0.002+/-0.000 χ^2/NDF: 20158832.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

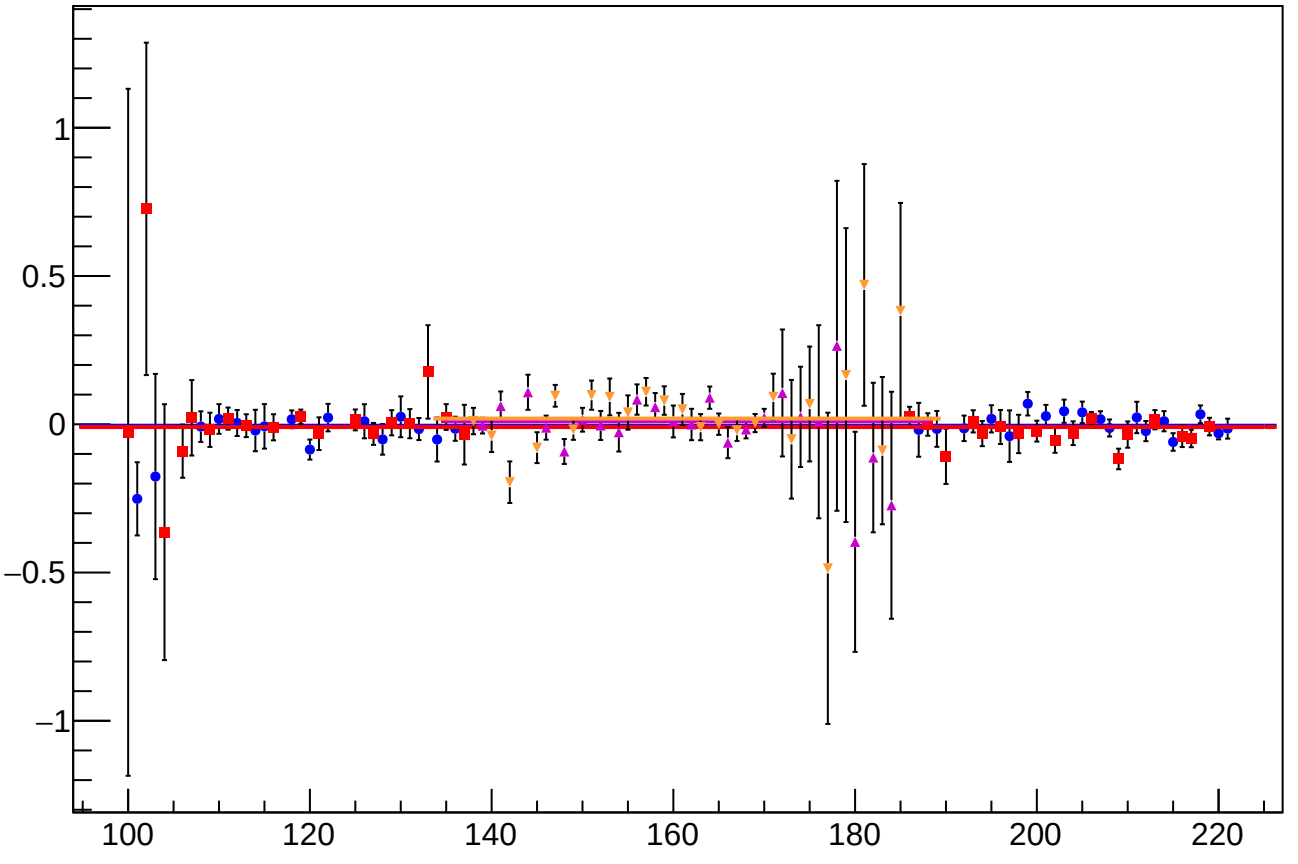
Right Out: 0.002+/-0.000 χ^2/NDF: 22024400.5/34

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 32453409.2/57

All: 0.002+/-0.000 χ^2/NDF: 65111843.5/115

- sign 0.002+/-0.000 χ^2/NDF: 32544586.6/57



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

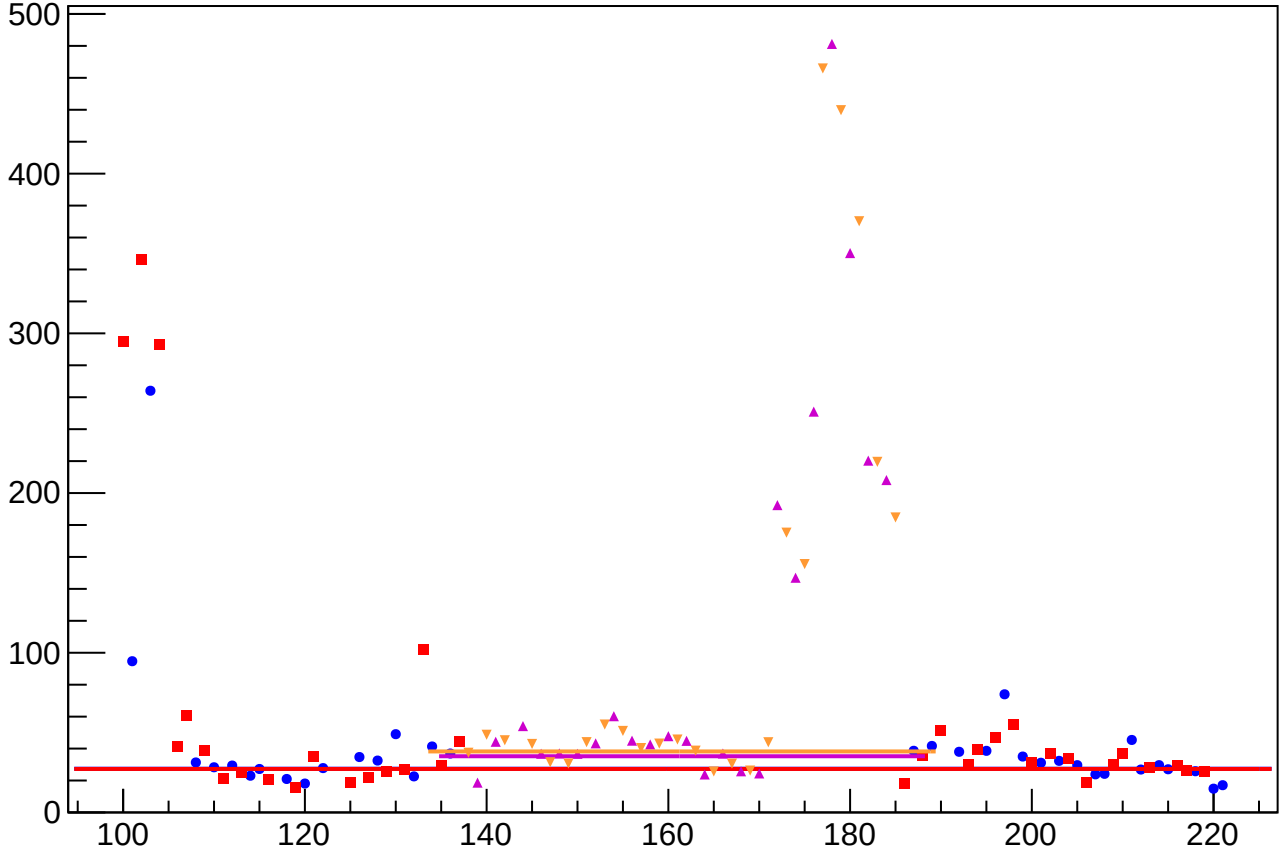
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 123.2/115

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.378+/-0.005 χ^2/NDF: 4584802.4/33

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

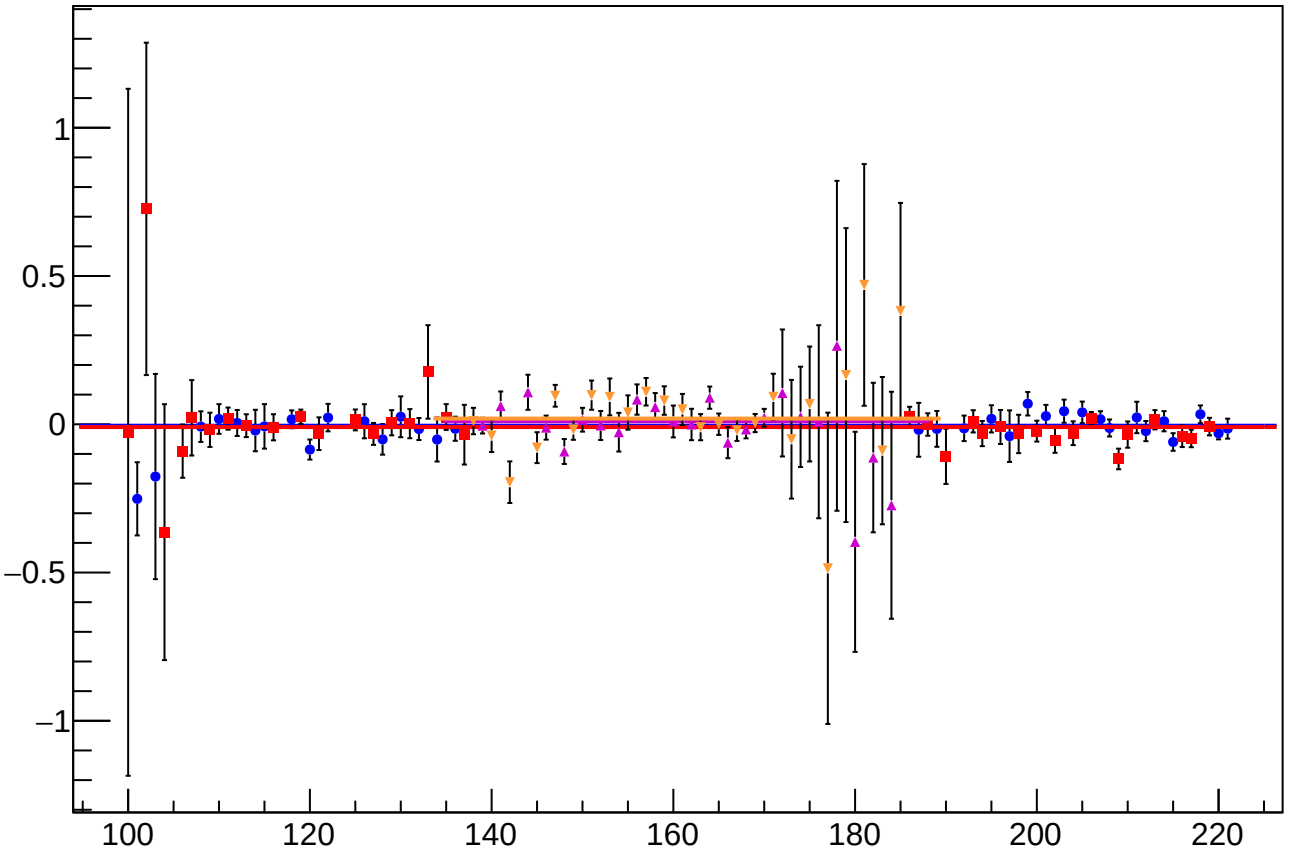
Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 30.509+/-0.004 χ^2/NDF: 14298549.6/57

All: 30.124+/-0.003 χ^2/NDF: 29367593.8/115

- sign 29.747+/-0.004 χ^2/NDF: 15051669.1/57



Right In: -0.005+/-0.007 χ^2/NDF: 28.7/33

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

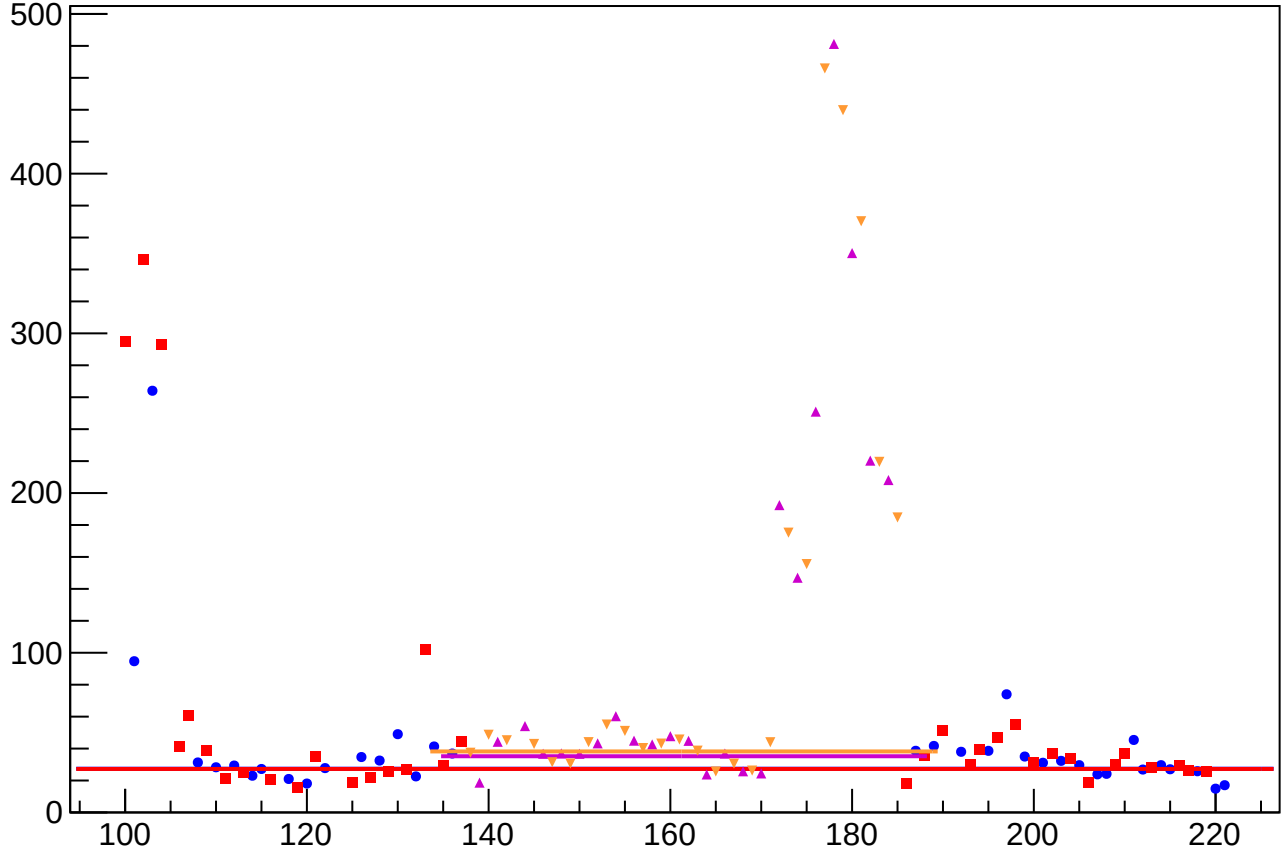
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.002+/-0.006 χ^2/NDF: 68.2/57

All: -0.001+/-0.004 χ^2/NDF: 123.2/115

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57



Right In: 27.378+/-0.005 χ^2/NDF: 4584802.4/33

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

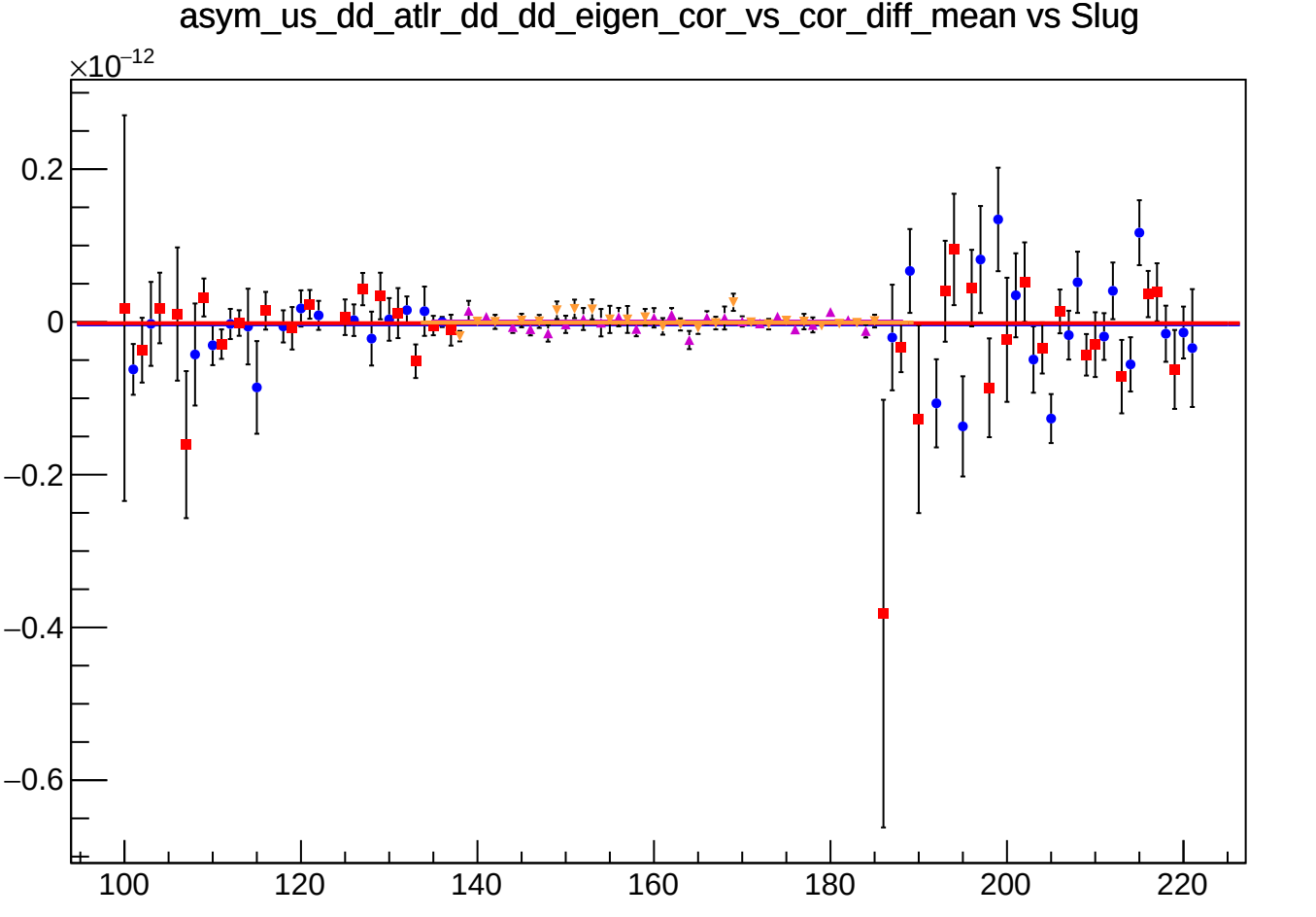
Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

\+ sign 30.509+/-0.004 χ^2/NDF: 14298549.6/57

All: 30.124+/-0.003 χ^2/NDF: 29367593.8/115

\- sign 29.747+/-0.004 χ^2/NDF: 15051669.1/57



Right In: -0.000+/-0.000 χ^2/NDF: 54.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

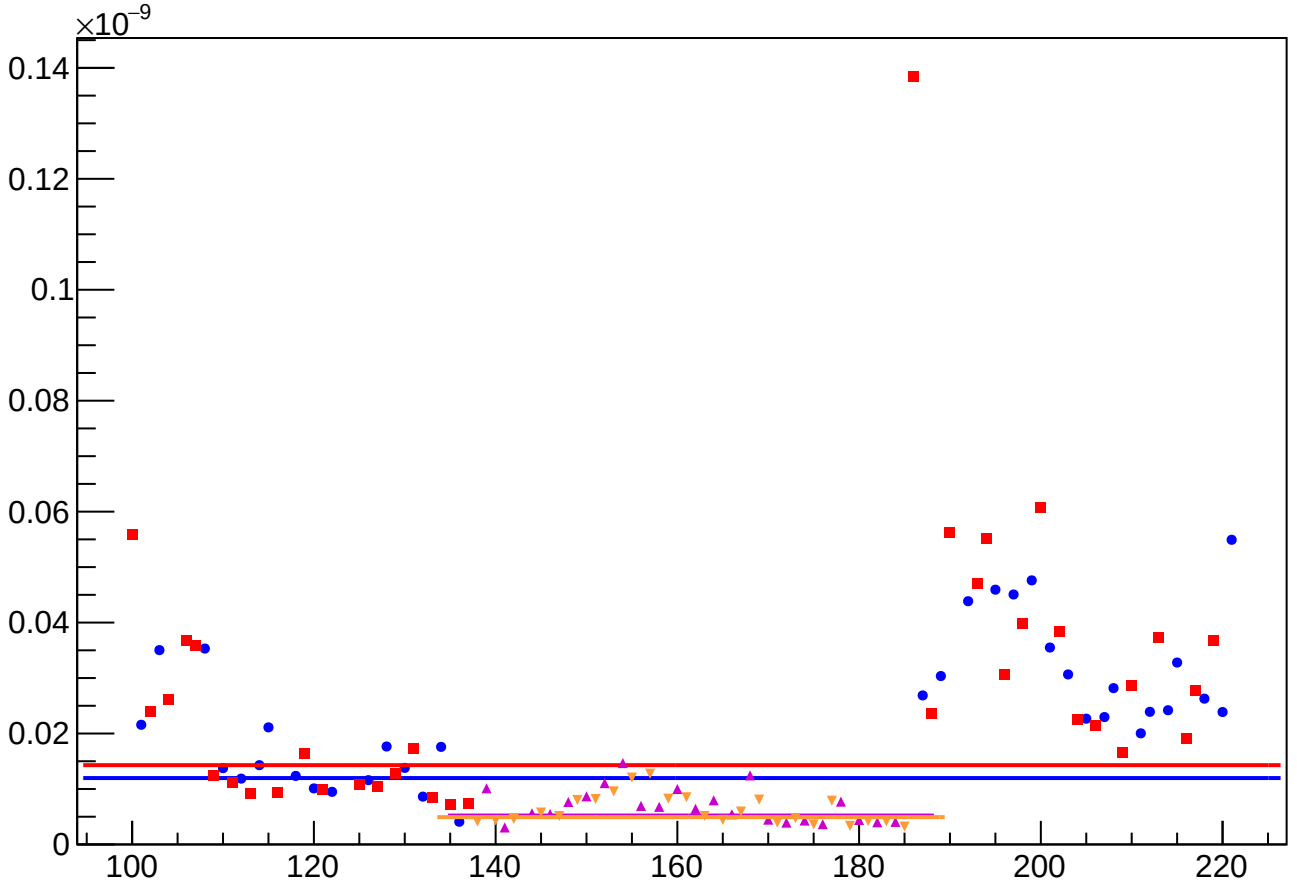
Right Out: -0.000+/-0.000 χ^2/NDF: 41.0/34

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/57

All: -0.000+/-0.000 χ^2/NDF: 144.2/115

- sign 0.000+/-0.000 χ^2/NDF: 67.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 10051125.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7239966.1/34

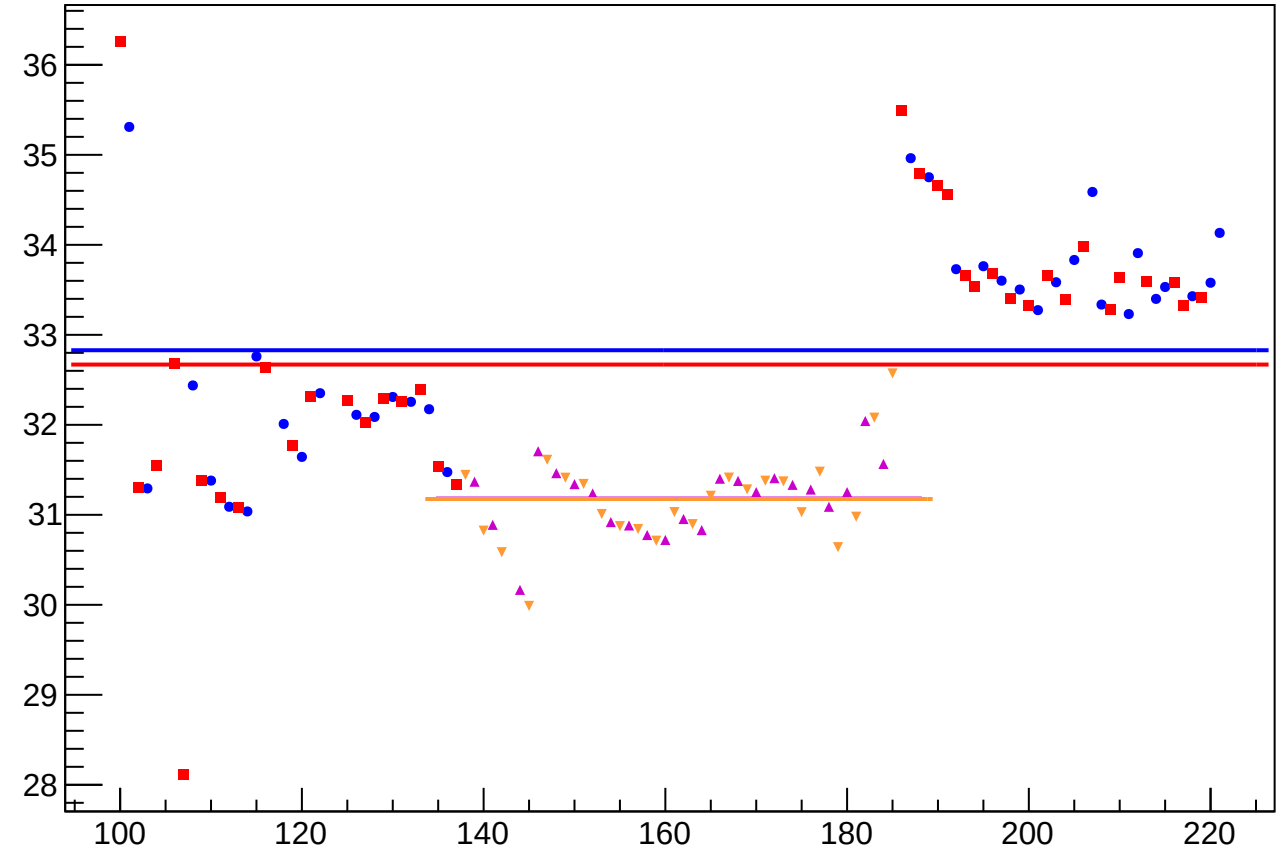
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17379809.2/57

All: 0.000+/-0.000 χ^2/NDF: 34196910.0/115

- sign 0.000+/-0.000 χ^2/NDF: 16758746.5/57

yield_usl_mean vs Slug



Right In: 32.829+/-0.000 χ^2/NDF: 2822282644.5/33

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.670+/-0.000 χ^2/NDF: 2453165387.8/35

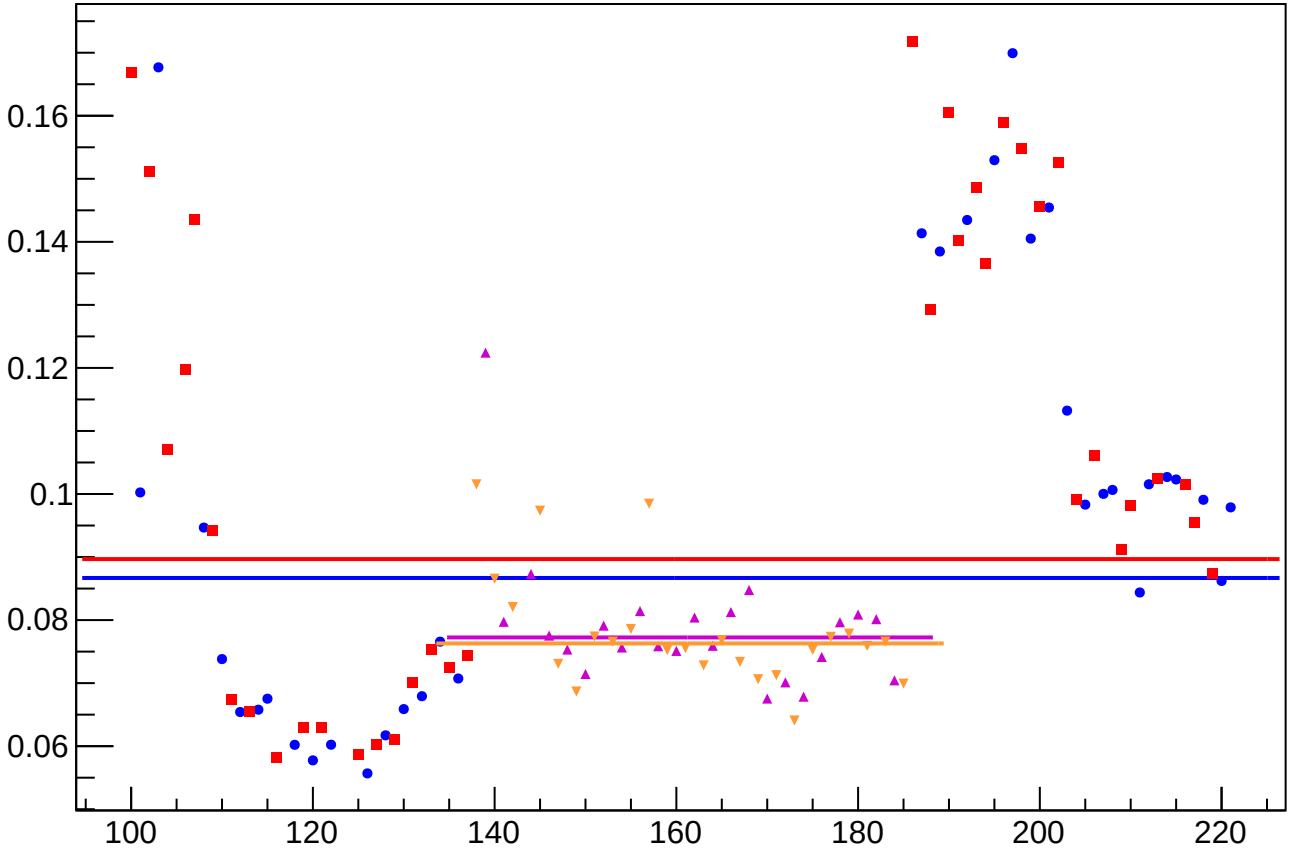
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.951+/-0.000 χ^2/NDF: 7039340387.2/57

All: 31.903+/-0.000 χ^2/NDF: 12659262485.3

- sign 31.851+/-0.000 χ^2/NDF: 5593924601.8/58

yield_usl_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 3652651.0/33

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.090+/-0.000 χ^2/NDF: 4016731.2/35

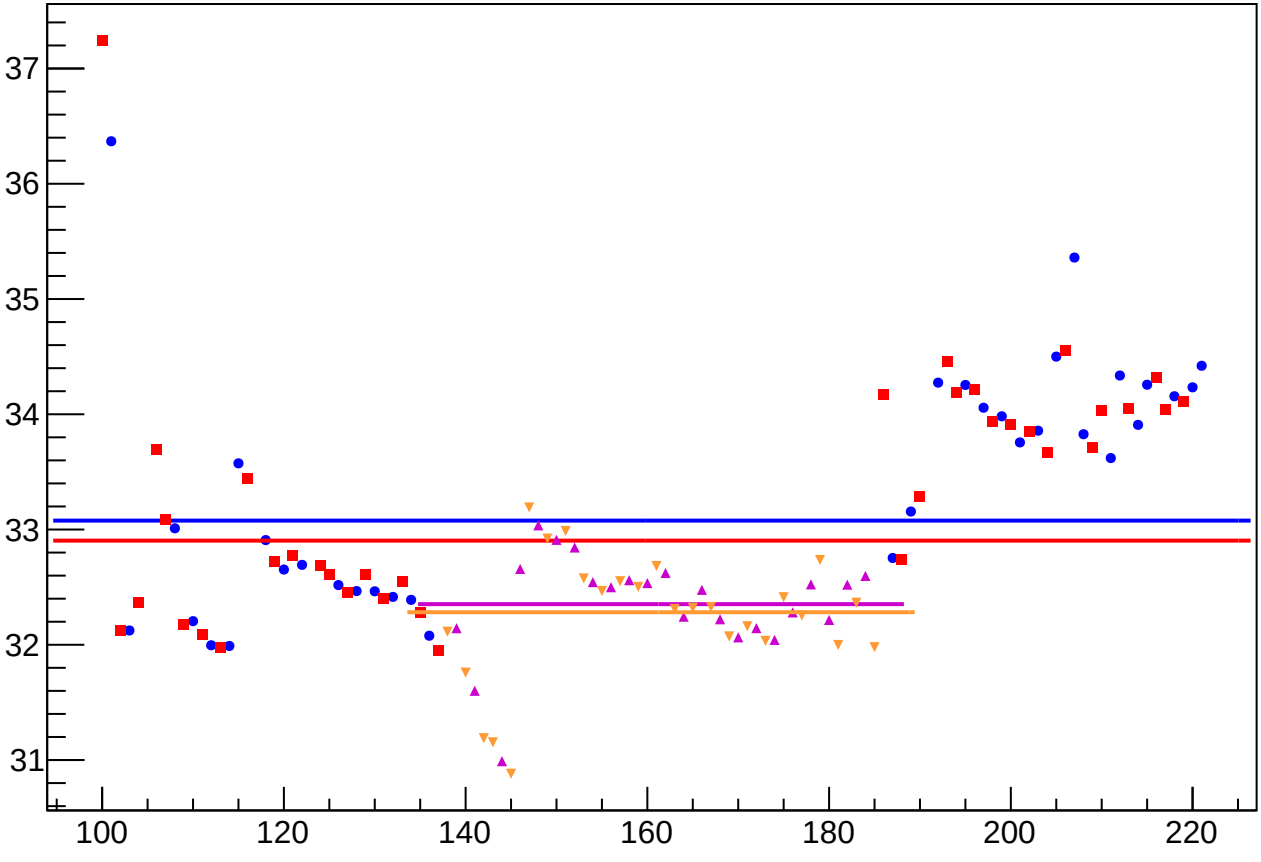
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.081+/-0.000 χ^2/NDF: 4300414.3/57

All: 0.082+/-0.000 χ^2/NDF: 9082587.3/116

- sign 0.083+/-0.000 χ^2/NDF: 4767463.2/58

yield_usr_mean vs Slug



Right In: 33.077+/-0.000 χ^2/NDF: 1395144899.8/33

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.904+/-0.000 χ^2/NDF: 736832173.5/35

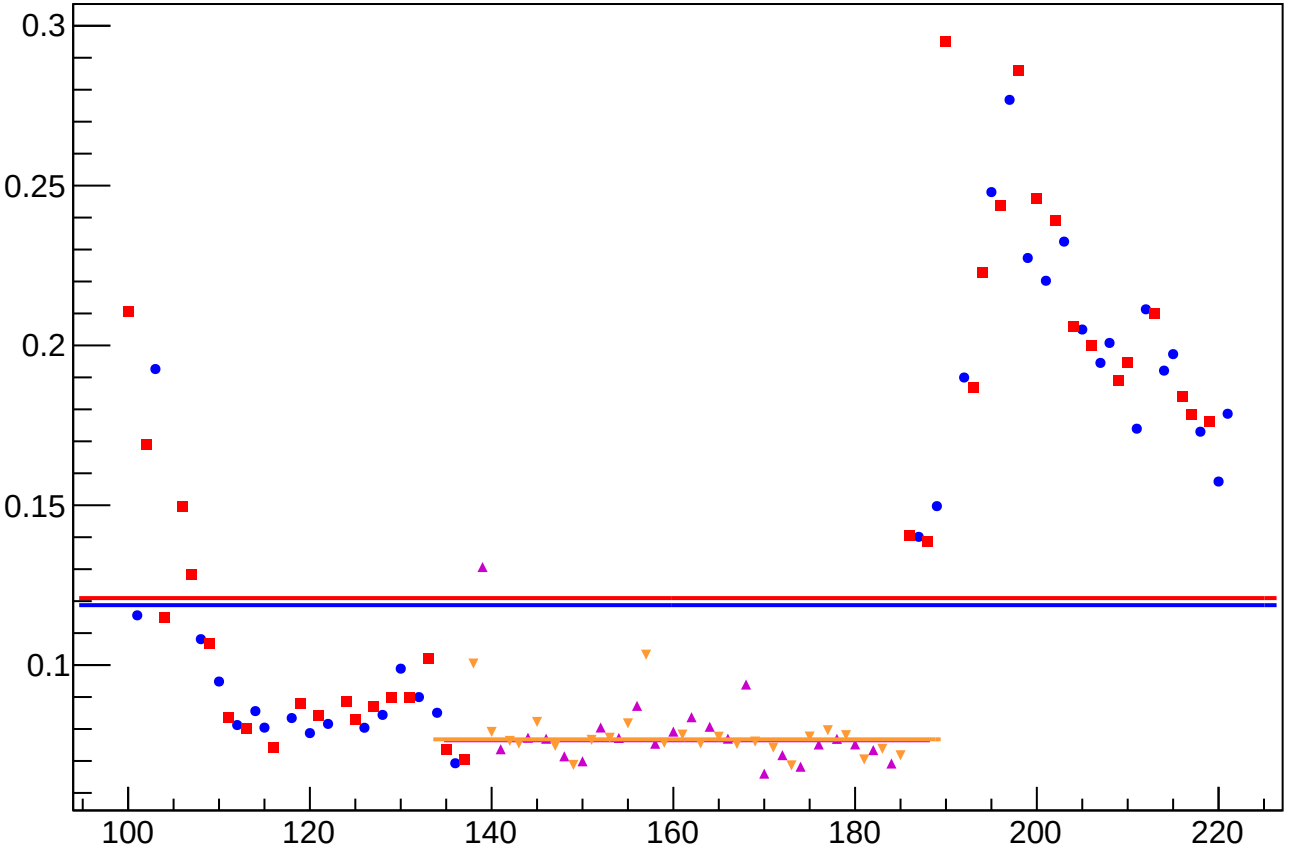
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.512+/-0.000 χ^2/NDF: 2780906027.5/58

All: 32.510+/-0.000 χ^2/NDF: 4354850371.5/1

- sign 32.508+/-0.000 χ^2/NDF: 1573921803.2/58

yield_usr_rms vs Slug



Right In: 0.119+/-0.000 χ^2/NDF: 7073887.1/33

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.121+/-0.000 χ^2/NDF: 6583308.5/35

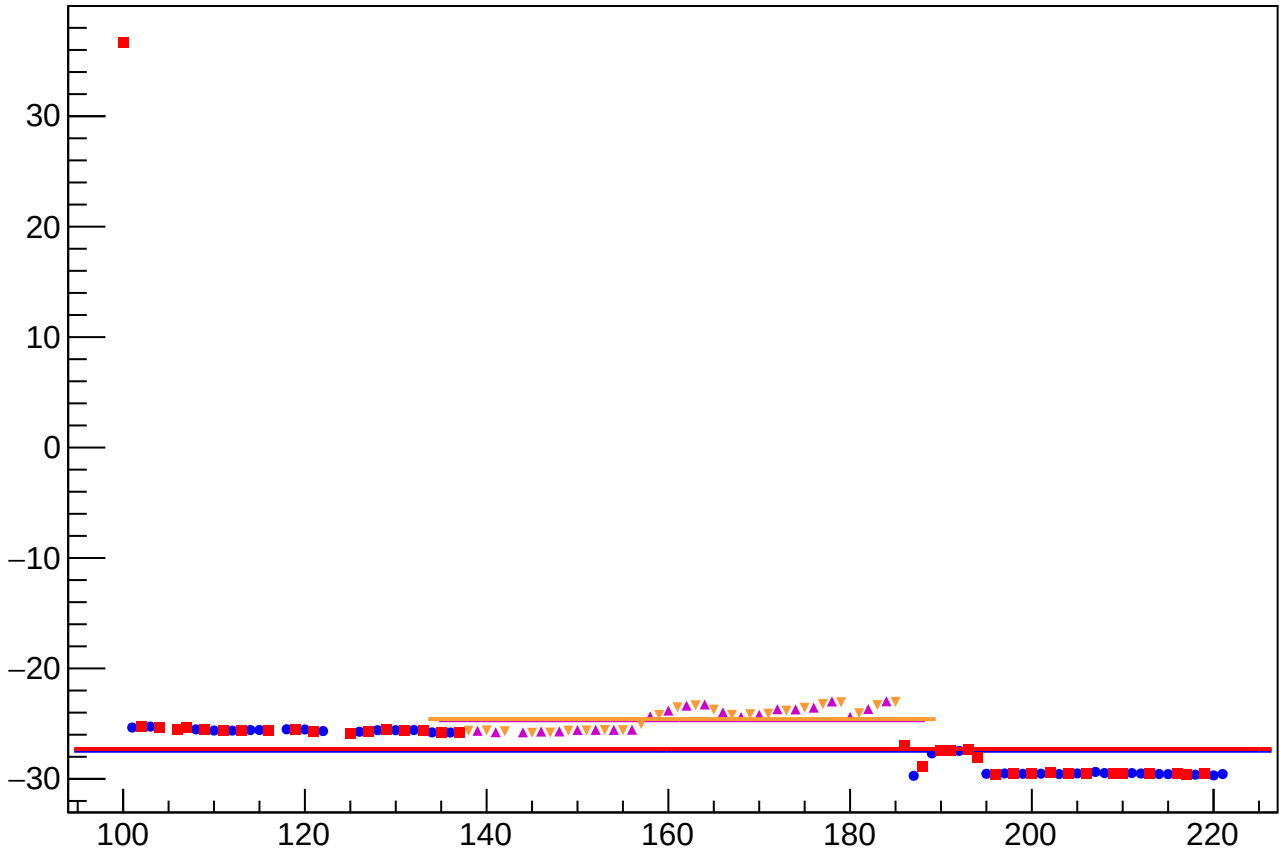
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.089+/-0.000 χ^2/NDF: 10372668.9/58

All: 0.089+/-0.000 χ^2/NDF: 20659674.6/117

- sign 0.089+/-0.000 χ^2/NDF: 10286880.9/58

yield_dsl_mean vs Slug



Right In: -27.453+/-0.000 χ^2/NDF: 30525961704.8/33

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.291+/-0.000 χ^2/NDF: 36885523680.3/35

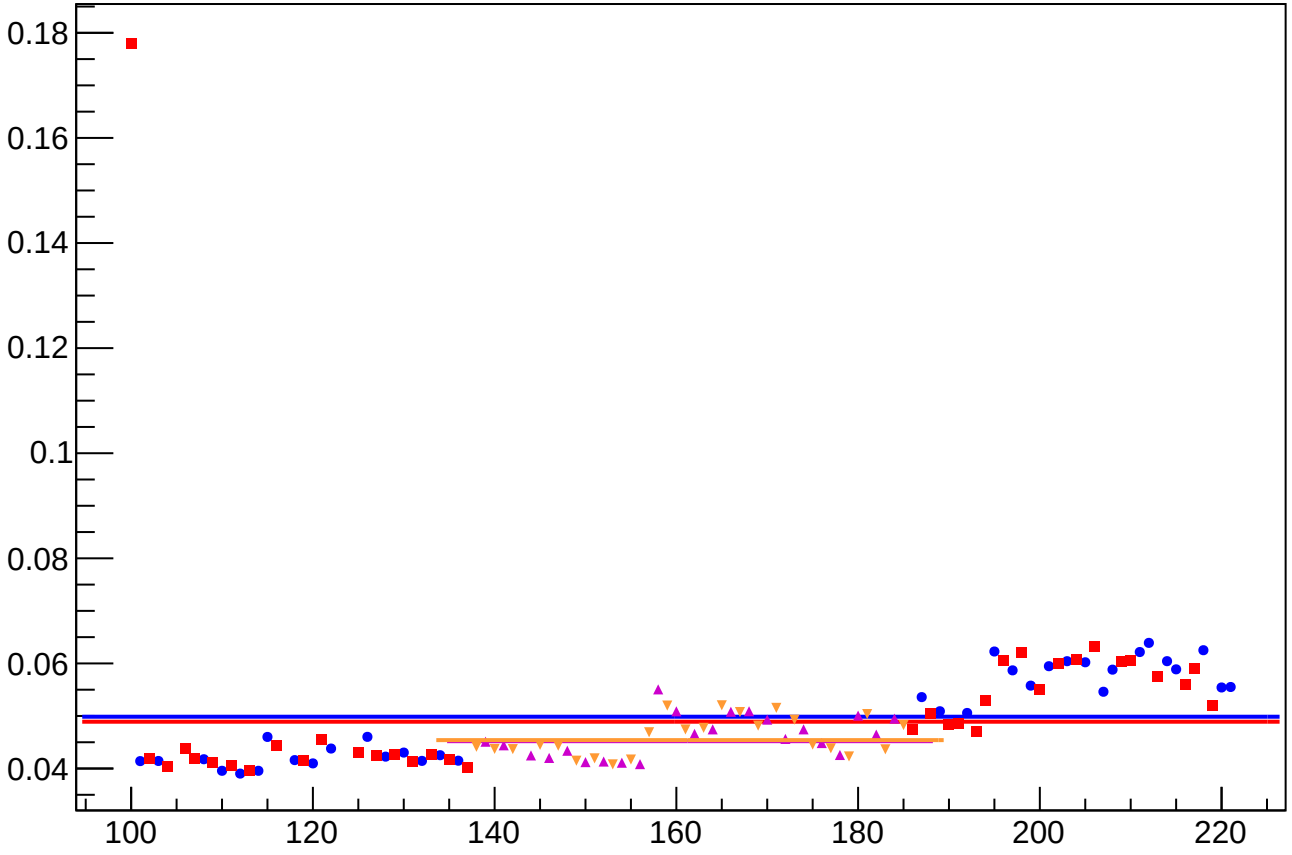
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.988+/-0.000 χ^2/NDF: 74762089988.6/57

All: -25.979+/-0.000 χ^2/NDF: 149503765861

- sign -25.969+/-0.000 χ^2/NDF: 74738434451.5/58

yield_dsl_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF: 1211961.8/33

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1120946.8/35

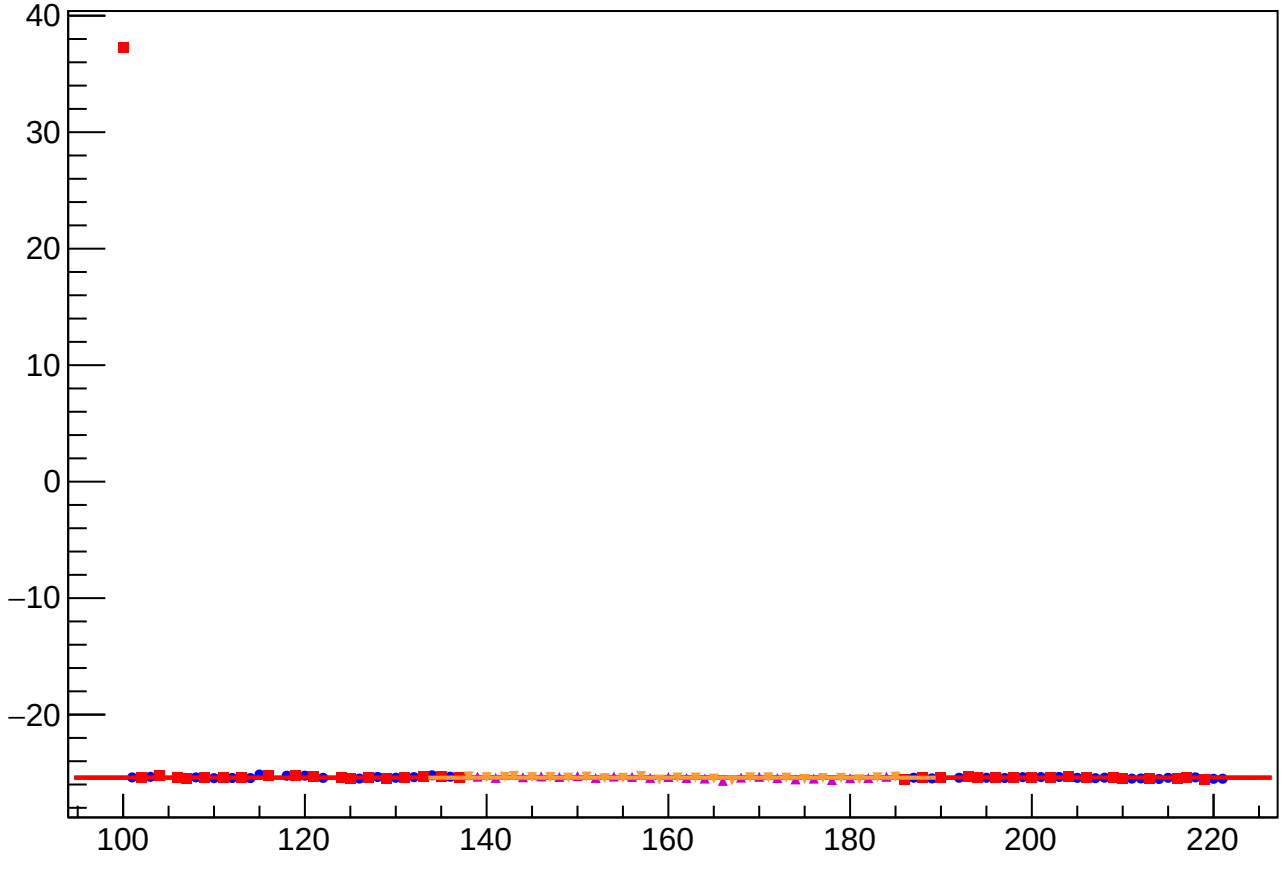
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.048+/-0.000 χ^2/NDF: 1586907.4/57

All: 0.047+/-0.000 χ^2/NDF: 3075502.4/116

- sign 0.047+/-0.000 χ^2/NDF: 1483294.7/58

yield_dsr_mean vs Slug



Right In: -25.417+/-0.000 χ^2/NDF: 38529676.7/33

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.394+/-0.000 χ^2/NDF: 6354639213.3/35

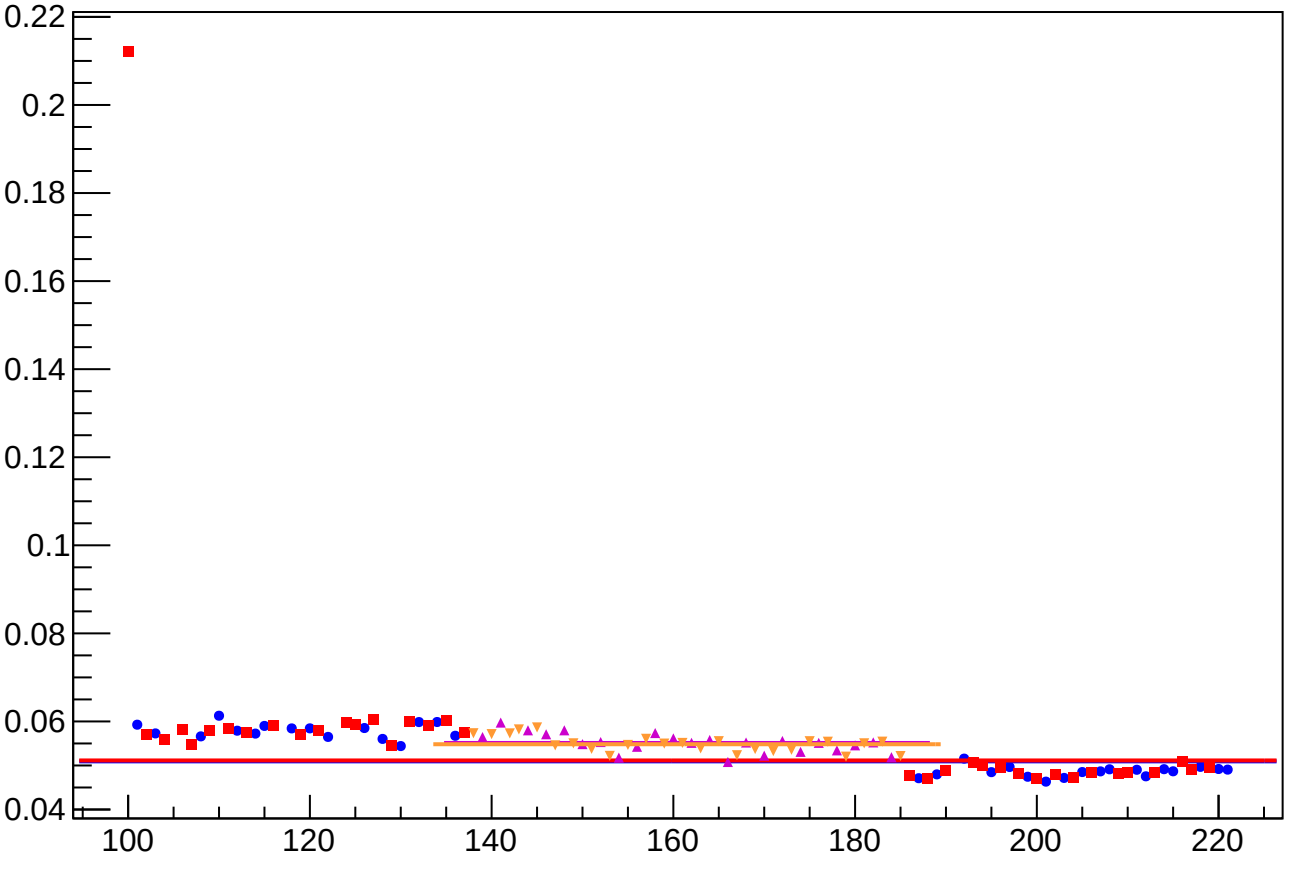
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.417+/-0.000 χ^2/NDF: 90742775.6/58

All: -25.410+/-0.000 χ^2/NDF: 6503925500.0/

- sign -25.403+/-0.000 χ^2/NDF: 6411804989.5/58

yield_dsr_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 285733.7/33

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

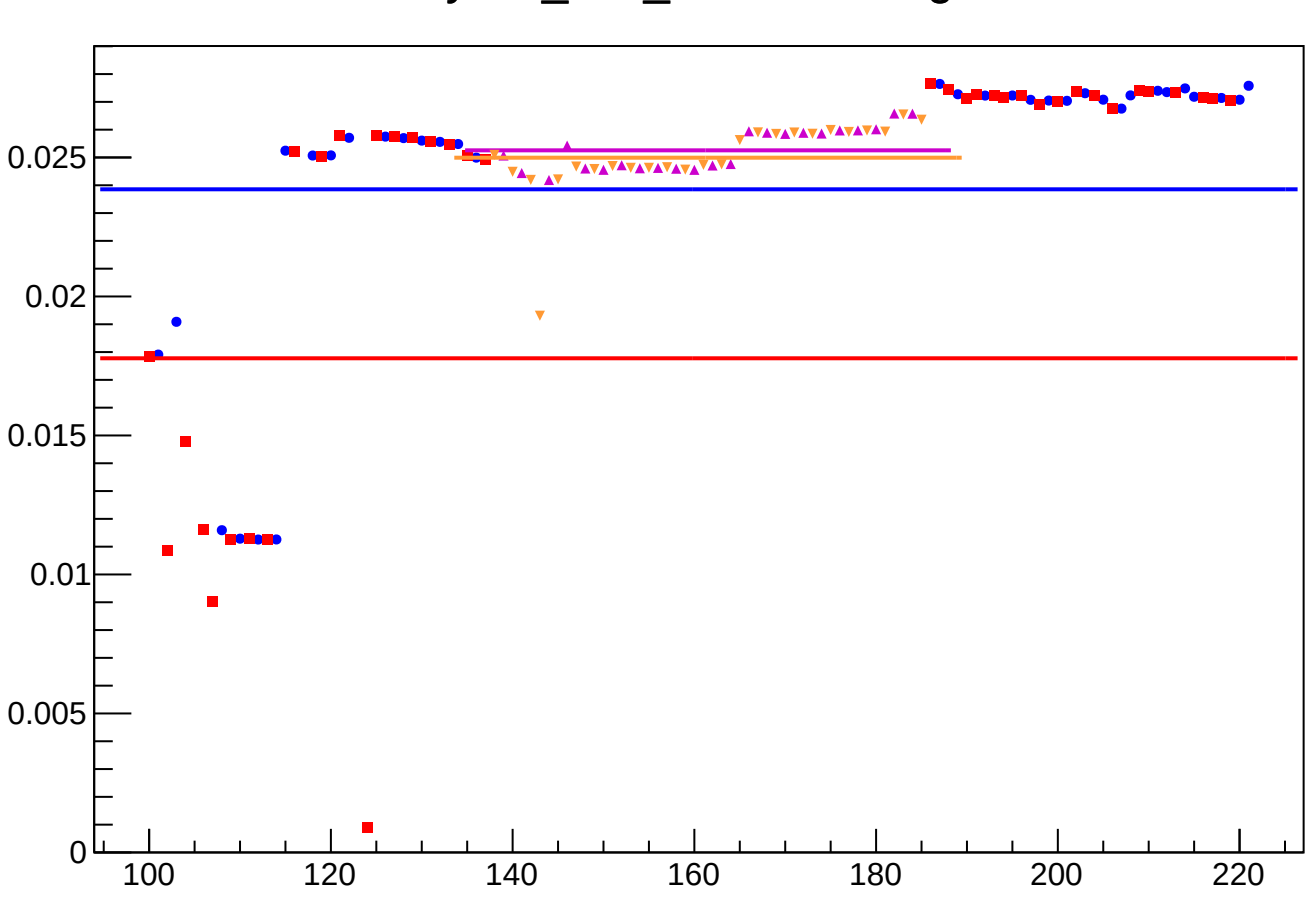
Right Out: 0.051+/-0.000 χ^2/NDF: 381234.7/35

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 430907.3/58

All: 0.053+/-0.000 χ^2/NDF: 969945.2/117

- sign 0.053+/-0.000 χ^2/NDF: 538328.4/58



Right In: 0.024+/-0.000 χ^2/NDF: 107053037422.6/33

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.018+/-0.000 χ^2/NDF: 505889219224.1/36

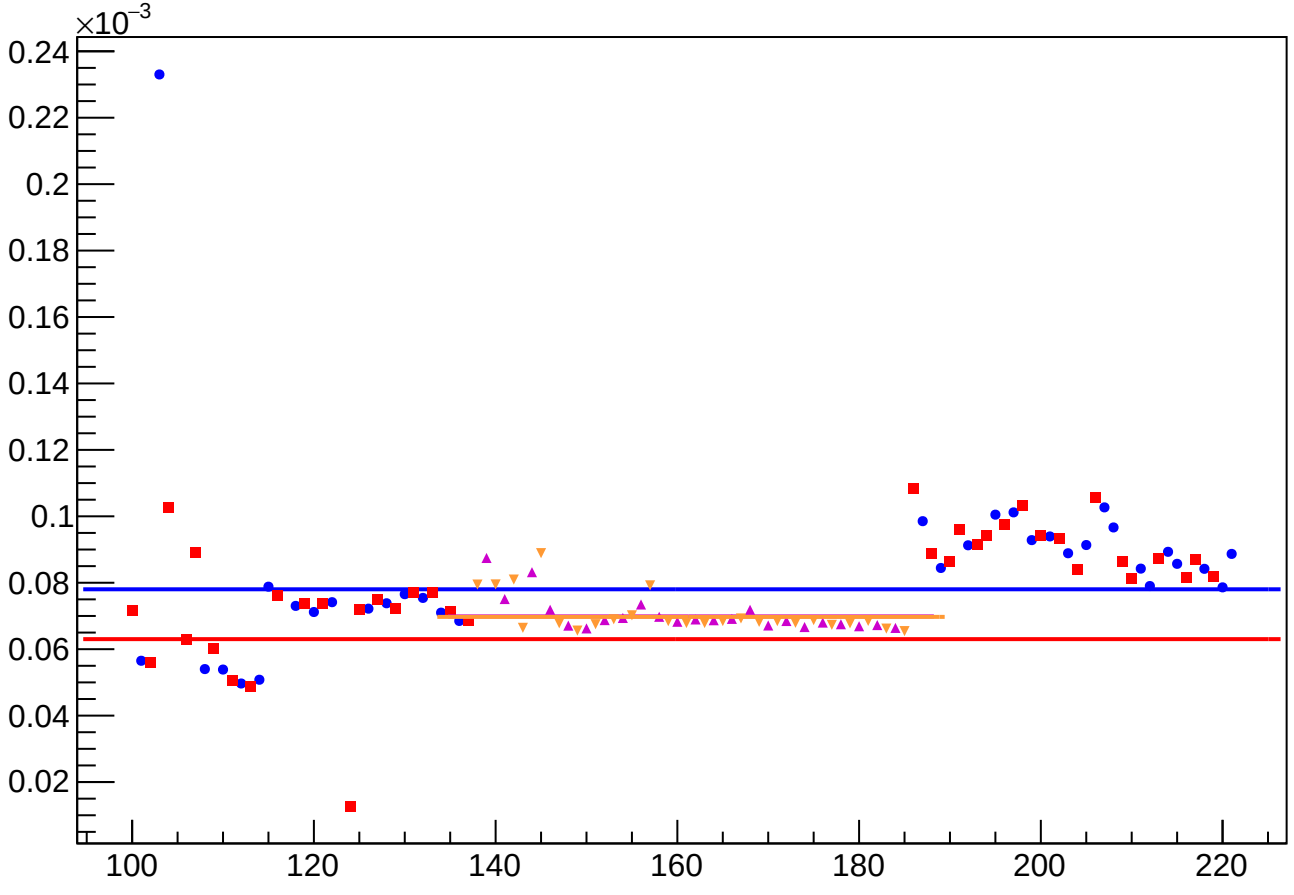
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 117268429067.5/58

All: 0.023+/-0.000 χ^2/NDF: 773761429217.6

- sign 0.021+/-0.000 χ^2/NDF: 617745735922.1/59

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1990383.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8073829.4/36

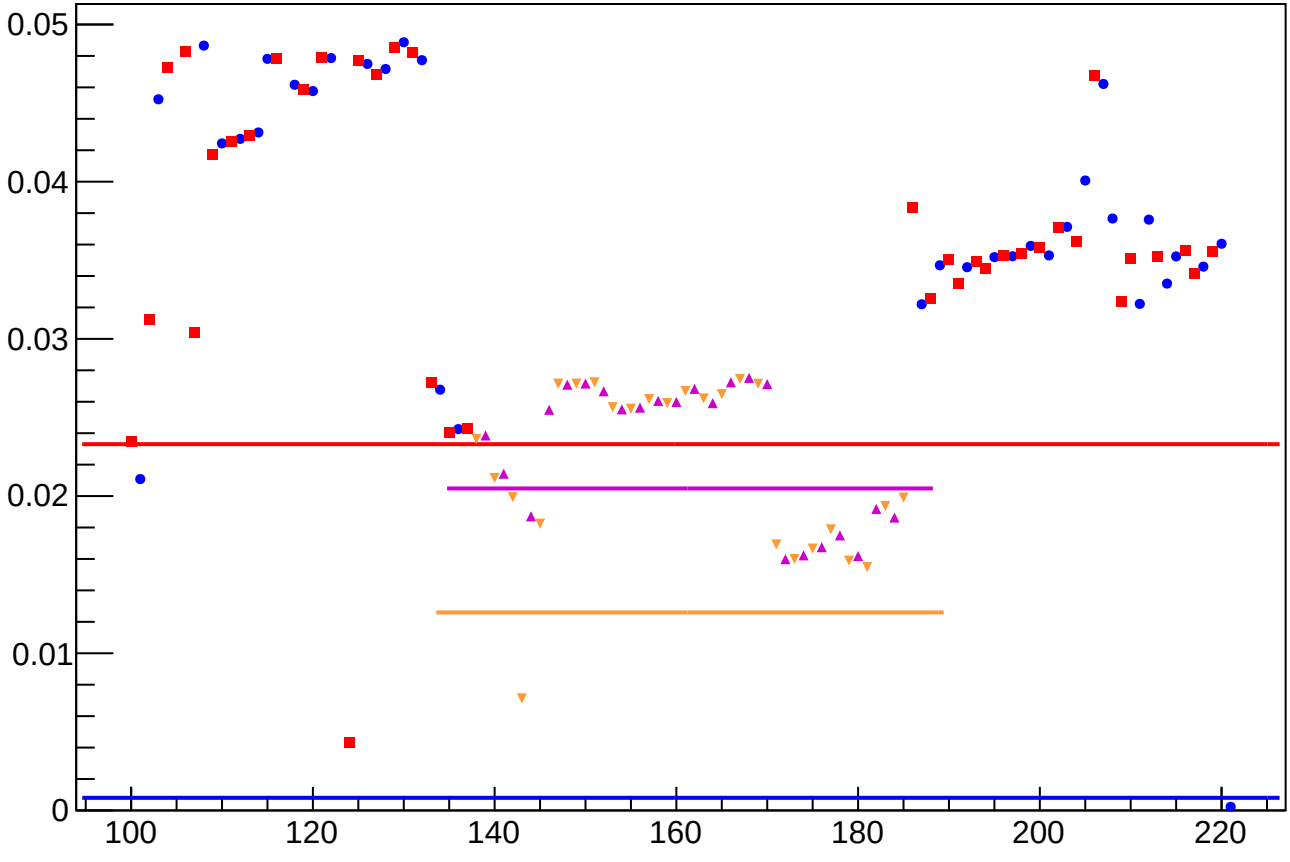
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2427686.4/58

All: 0.000+/-0.000 χ^2/NDF: 11248299.8/118

- sign 0.000+/-0.000 χ^2/NDF: 8410320.9/59

yield_atl2_mean vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 132260371958.6/33

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 48519699121.8/36

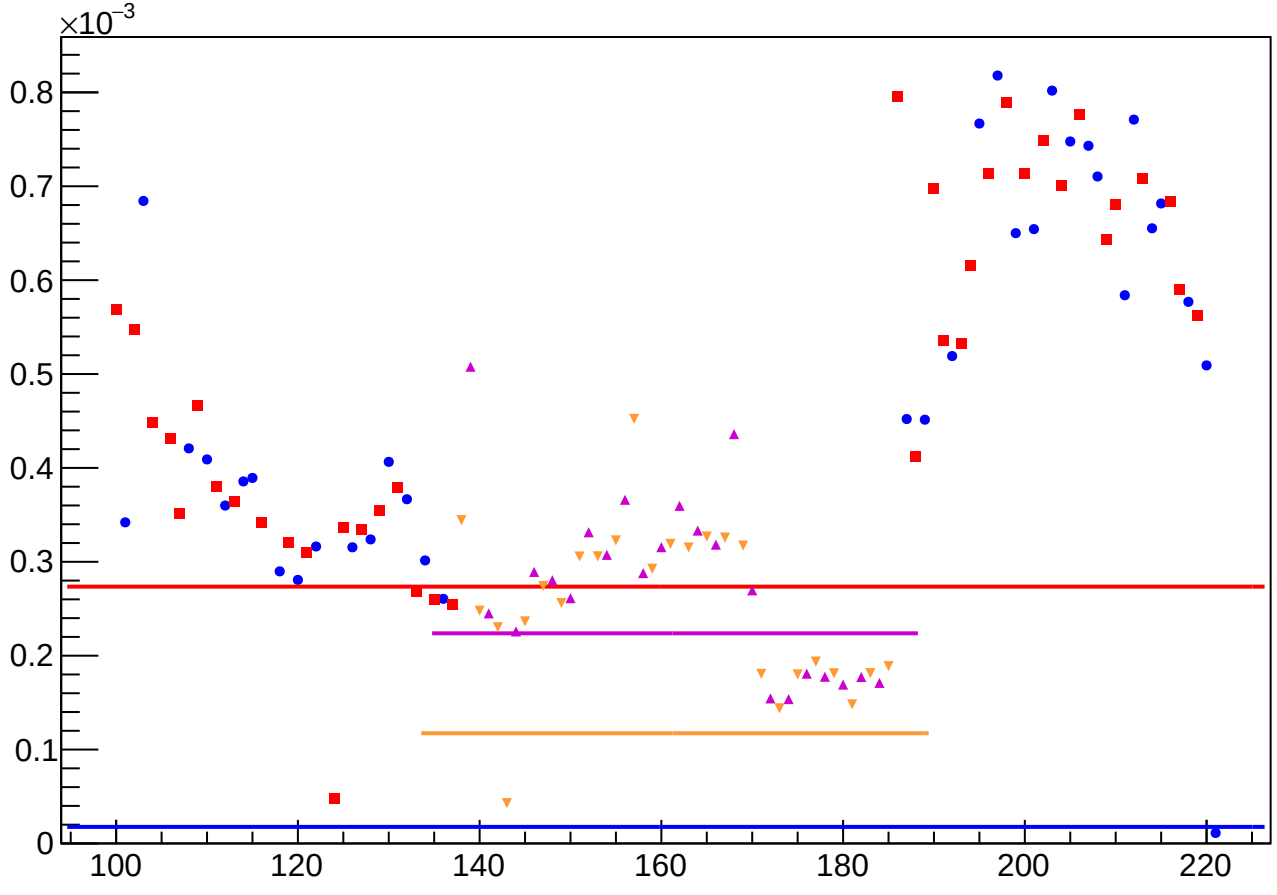
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 262581684161.8/58

All: 0.003+/-0.000 χ^2/NDF: 477541537212.7

- sign 0.021+/-0.000 χ^2/NDF: 55433255902.1/59

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37029760.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

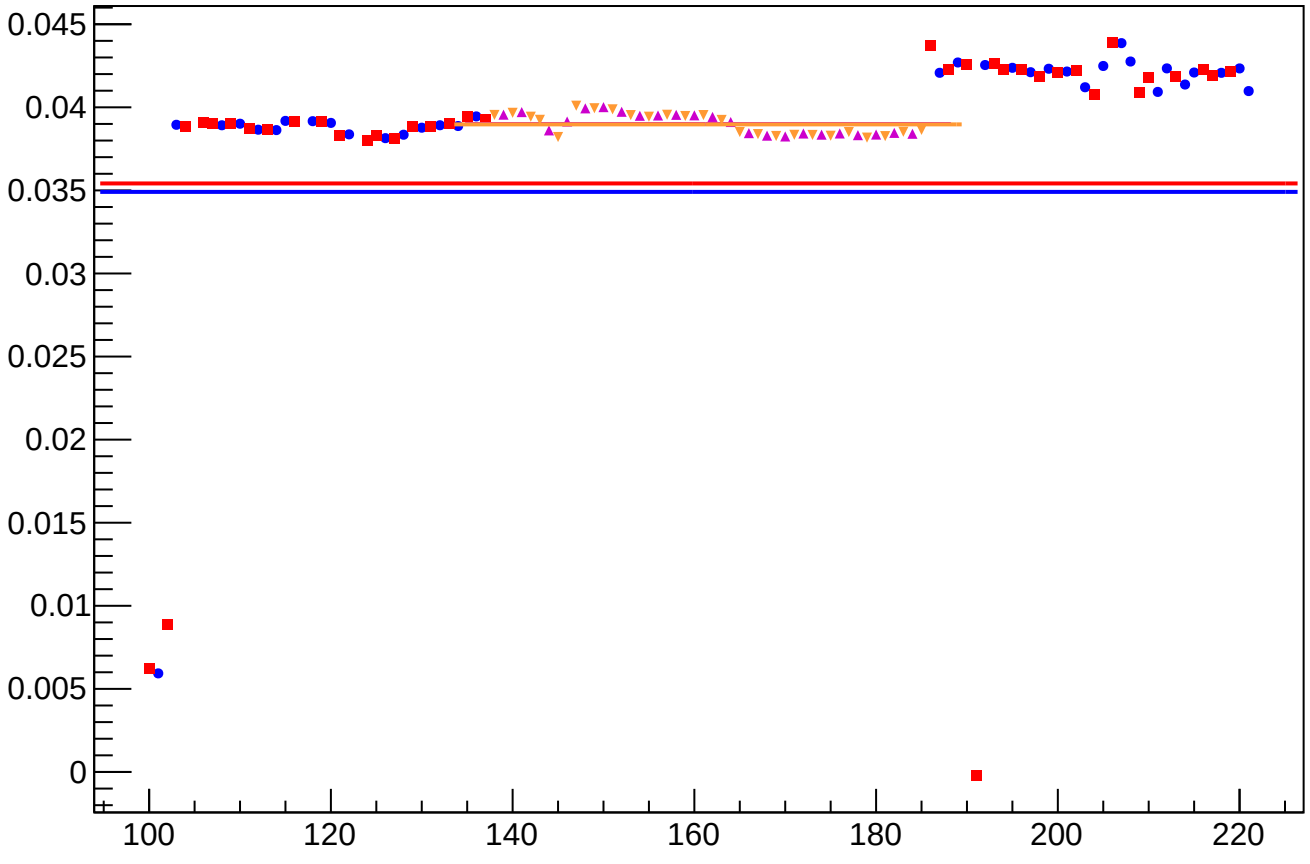
Right Out: 0.000+/-0.000 χ^2/NDF: 16738891.2/36

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 64733682.0/58

All: 0.000+/-0.000 χ^2/NDF: 123771237.0/118

- sign 0.000+/-0.000 χ^2/NDF: 20634336.3/59



Right In: 0.035+/-0.000 χ^2/NDF: 139149992111.4/33

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

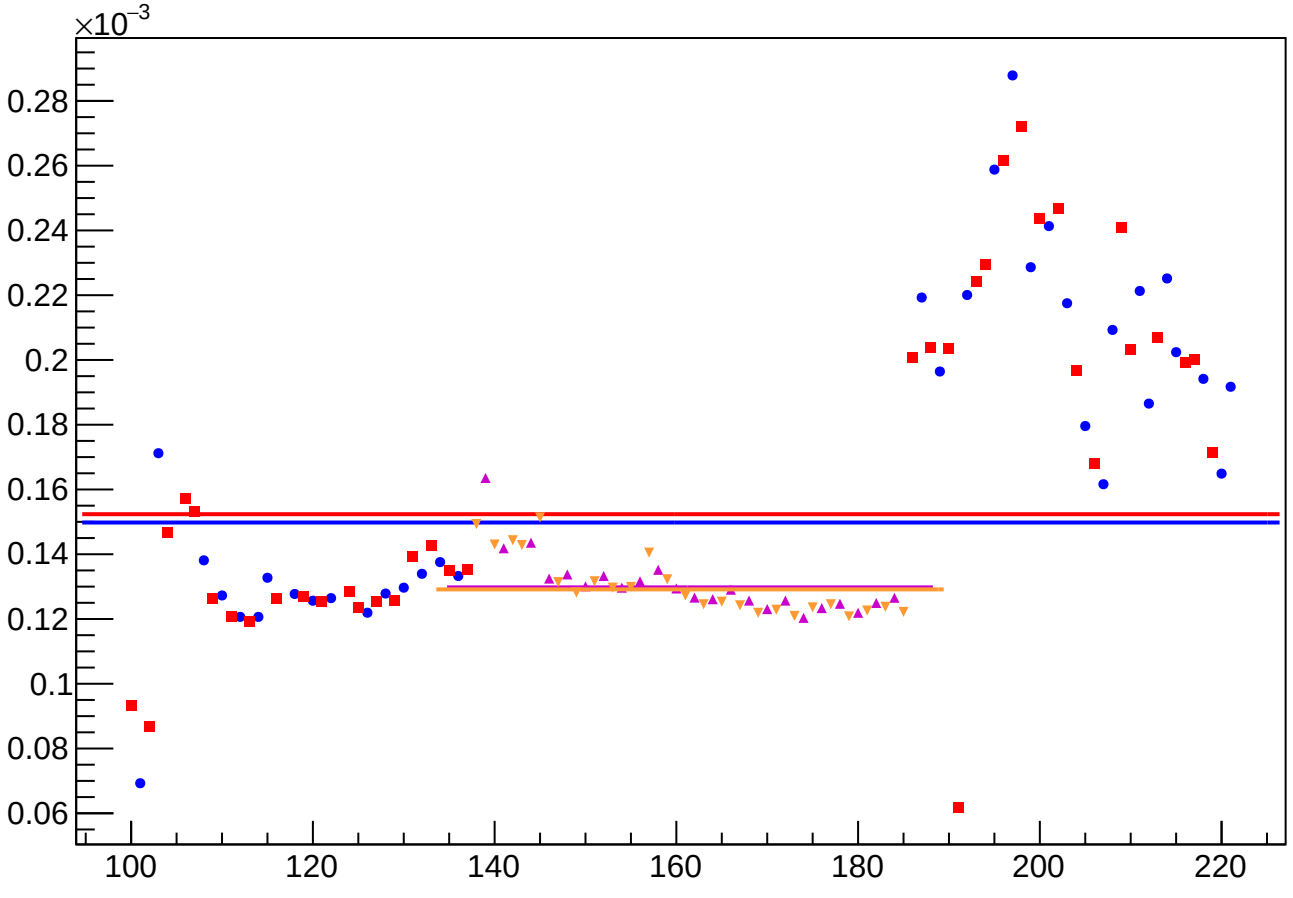
Right Out: 0.035+/-0.000 χ^2/NDF: 124871488387.1/36

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 147637437891.9/58

All: 0.037+/-0.000 χ^2/NDF: 278793339390.9

- sign 0.037+/-0.000 χ^2/NDF: 131104602945.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 4577997.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4139734.6/36

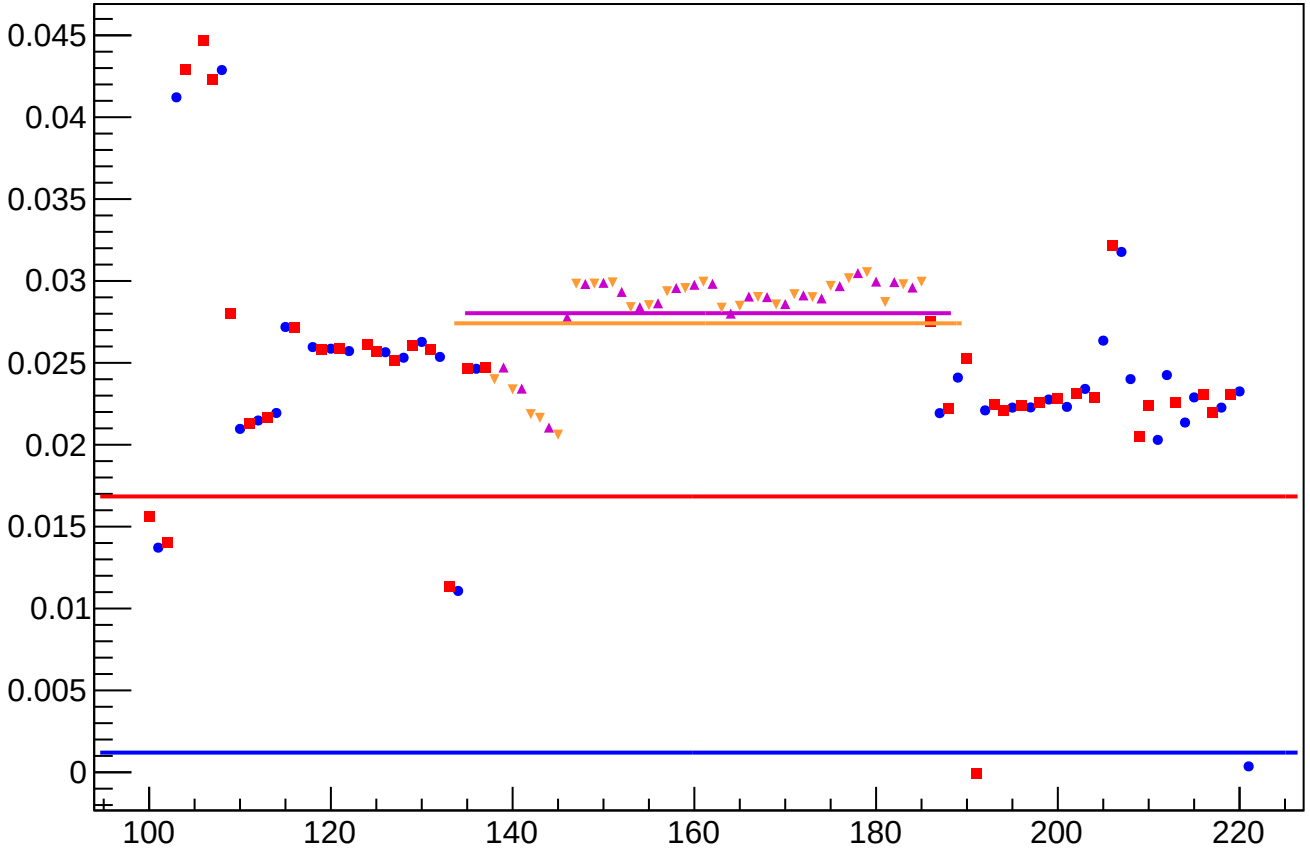
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5149396.9/58

All: 0.000+/-0.000 χ^2/NDF: 9899880.2/118

- sign 0.000+/-0.000 χ^2/NDF: 4746385.8/59

yield_atr2_mean vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 69937278020.0/33

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 26075089380.5/36

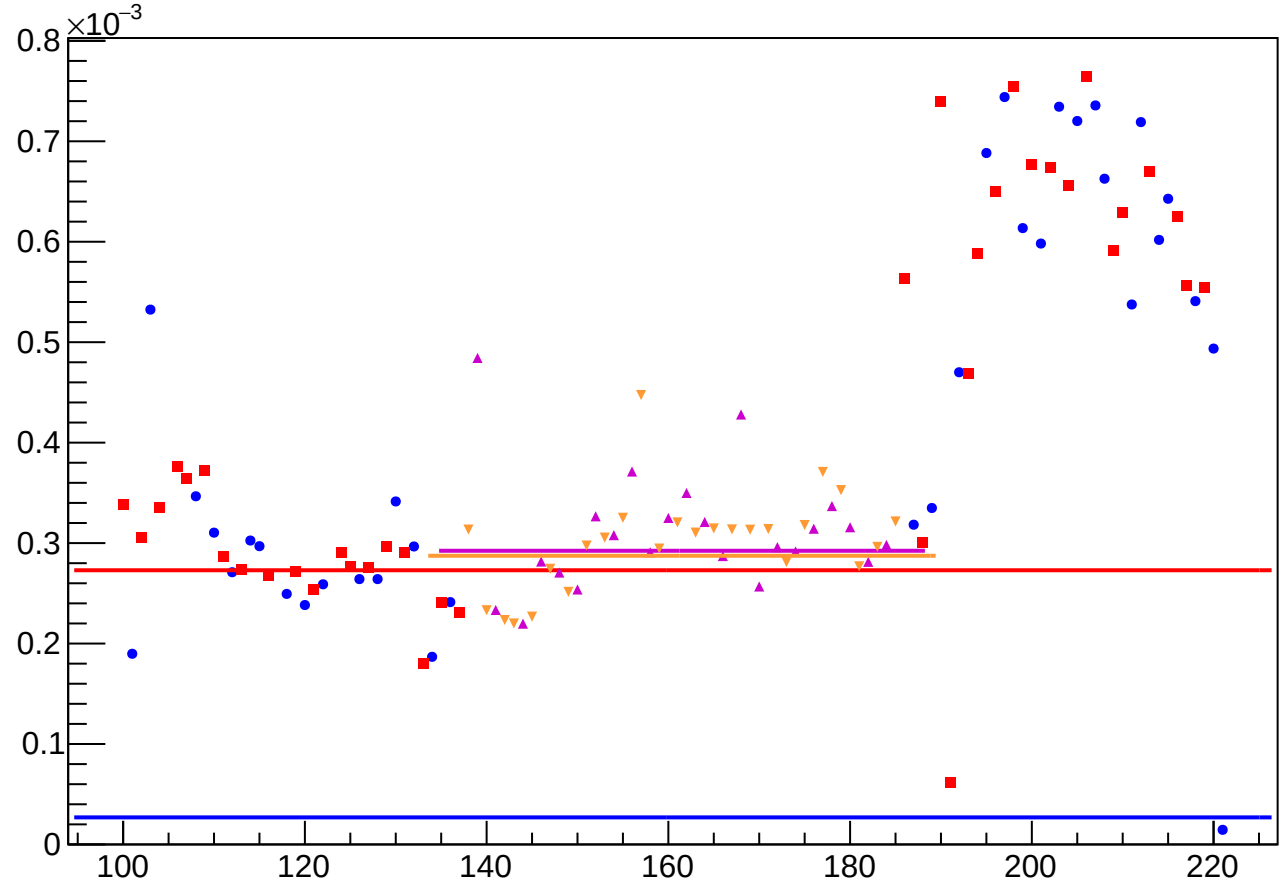
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 206959499897.9/58

All: 0.004+/-0.000 χ^2/NDF: 382146836794.8

- sign 0.023+/-0.000 χ^2/NDF: 39248893036.4/59

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 35396307.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12808961.3/36

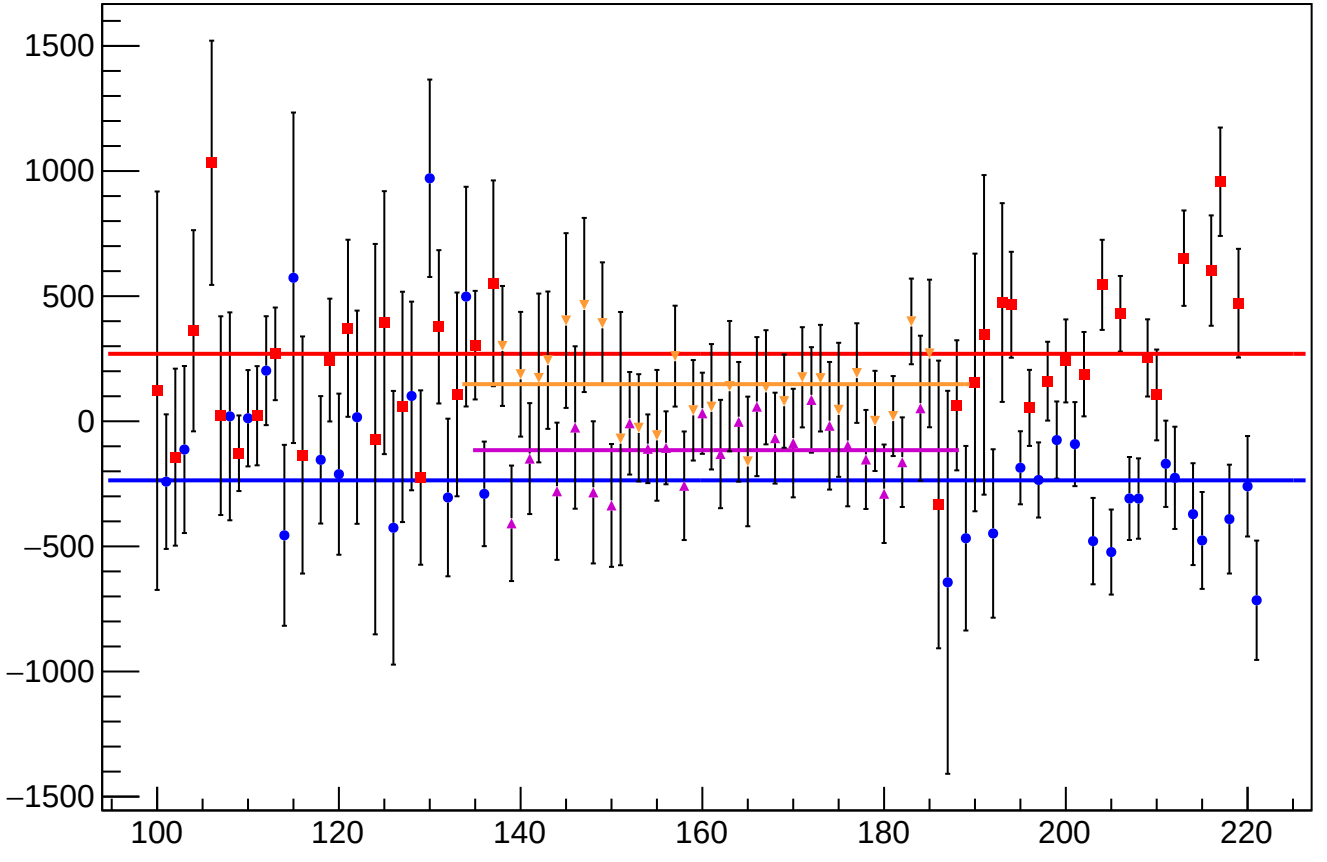
Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62826071.4/58

All: 0.000+/-0.000 χ^2/NDF: 116479337.4/118

- sign 0.000+/-0.000 χ^2/NDF: 13849692.8/59

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -236.124+/-38.514 χ^2/NDF: 36.7/33

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 269.581+/-38.886 χ^2/NDF: 44.1/36

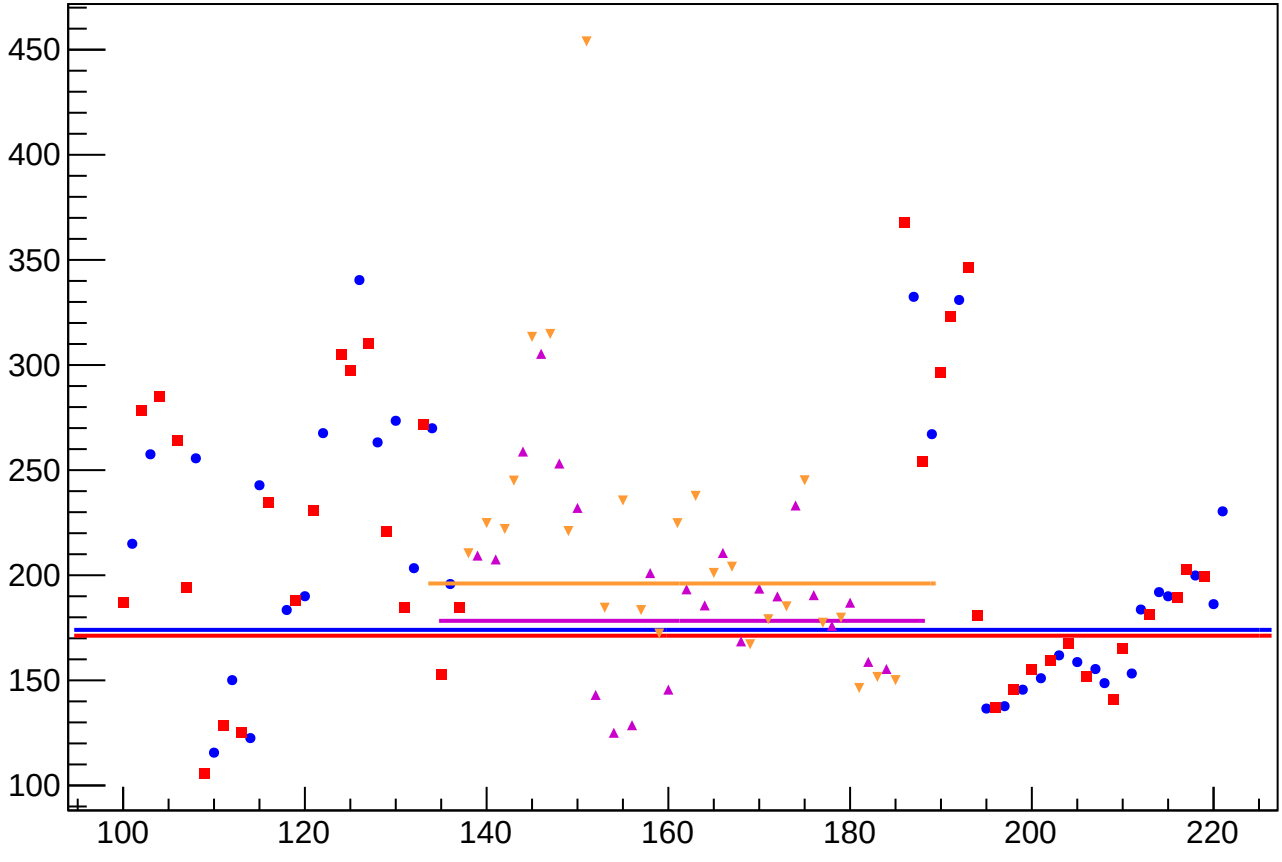
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -78.592+/-29.588 χ^2/NDF: 87.9/58

All: 11.873+/-20.715 χ^2/NDF: 201.5/118

- sign 98.844+/-29.011 χ^2/NDF: 95.3/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.019+/-0.027 χ^2/NDF: 2495680.5/33

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

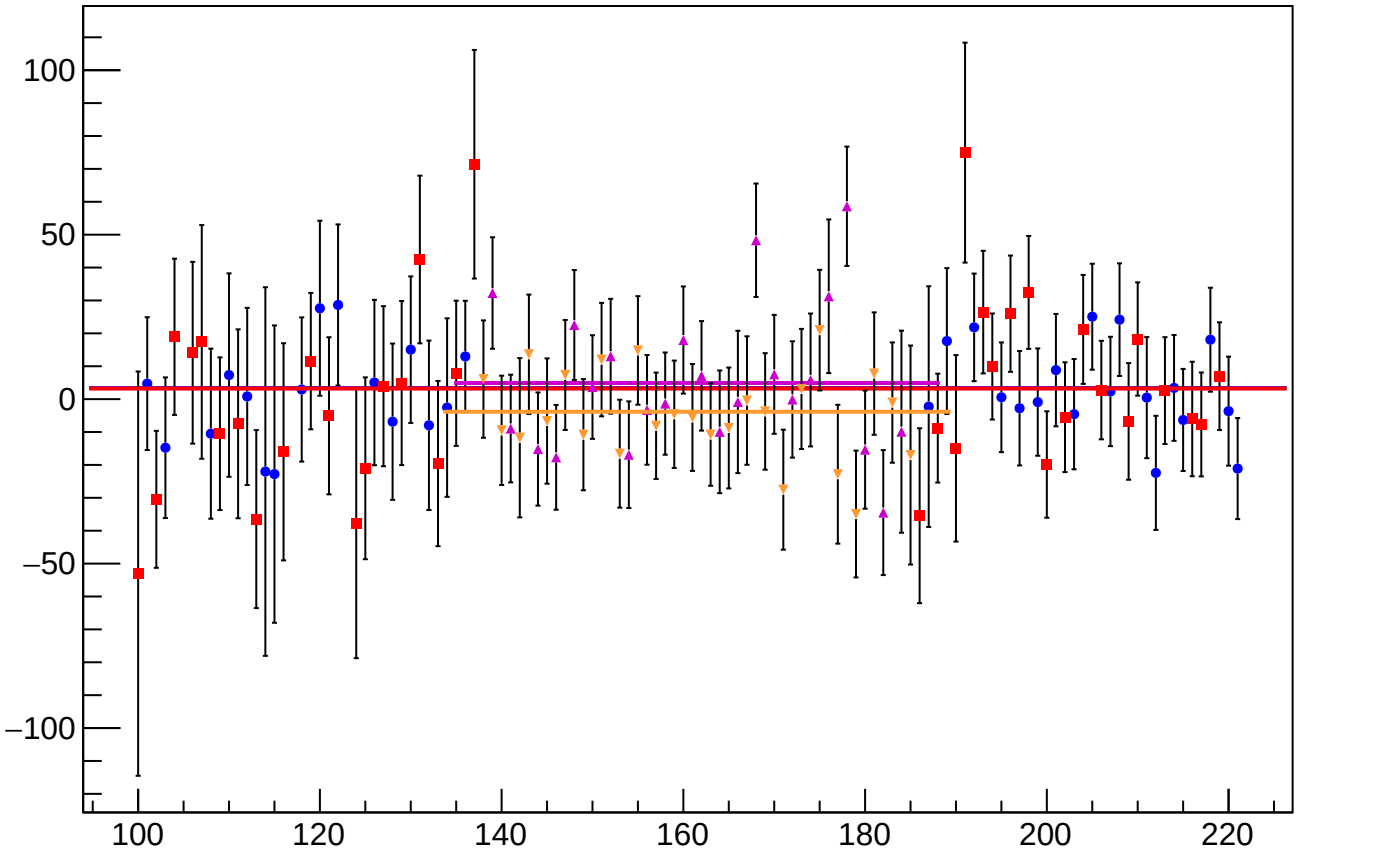
Right Out: 171.243+/-0.027 χ^2/NDF: 3110952.2/36

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 183.062+/-0.021 χ^2/NDF: 4583266.2/58

All: 178.636+/-0.015 χ^2/NDF: 9489717.1/118

- sign 174.380+/-0.021 χ^2/NDF: 4818644.7/59



Right In: 3.348+/-3.381 χ^2/NDF: 16.3/33

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

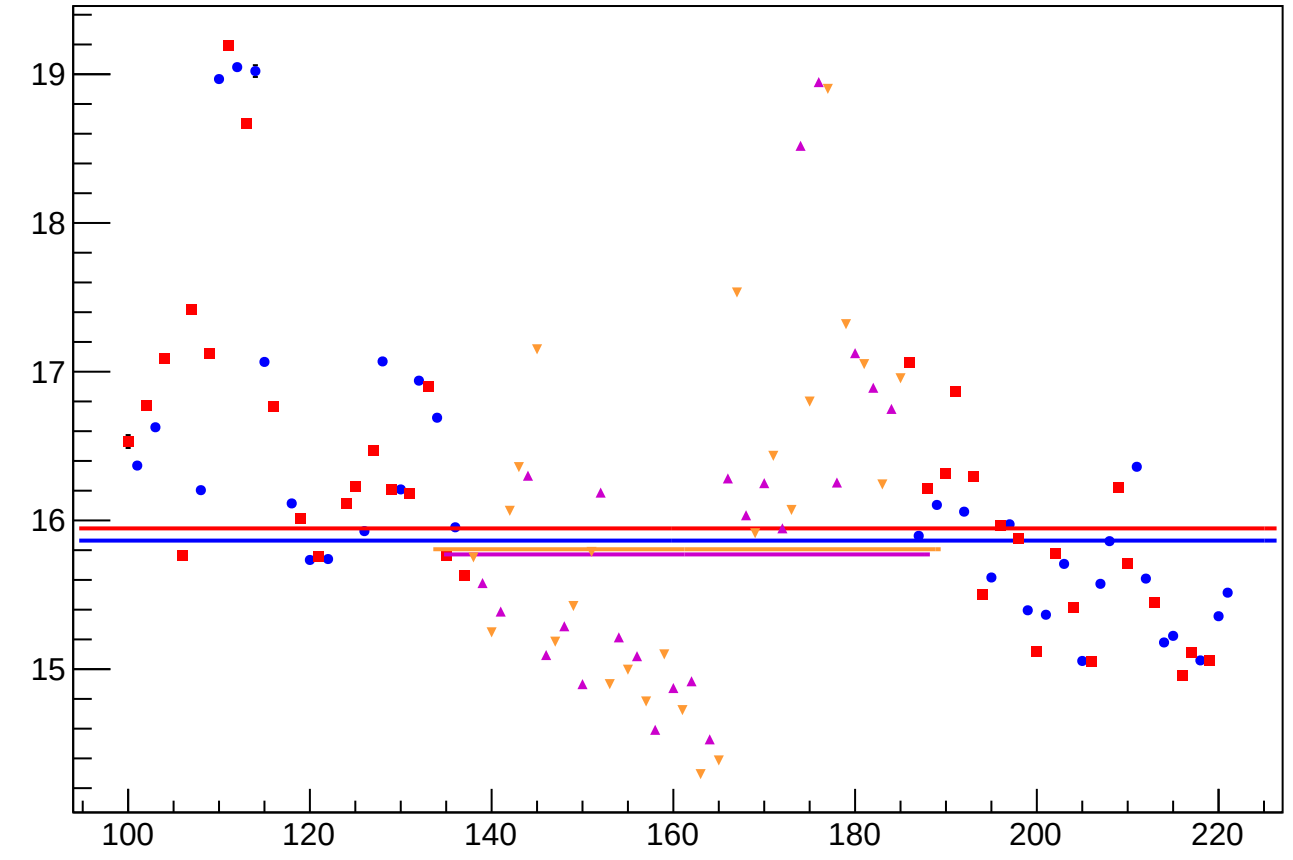
Right Out: 3.236+/-3.440 χ^2/NDF: 35.6/36

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -0.016+/-2.465 χ^2/NDF: 31.2/58

All: 1.955+/-1.762 χ^2/NDF: 102.2/118

- sign 4.010+/-2.518 χ^2/NDF: 69.6/59



Right In: 15.864+/-0.002 χ^2/NDF: 98620.4/33

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

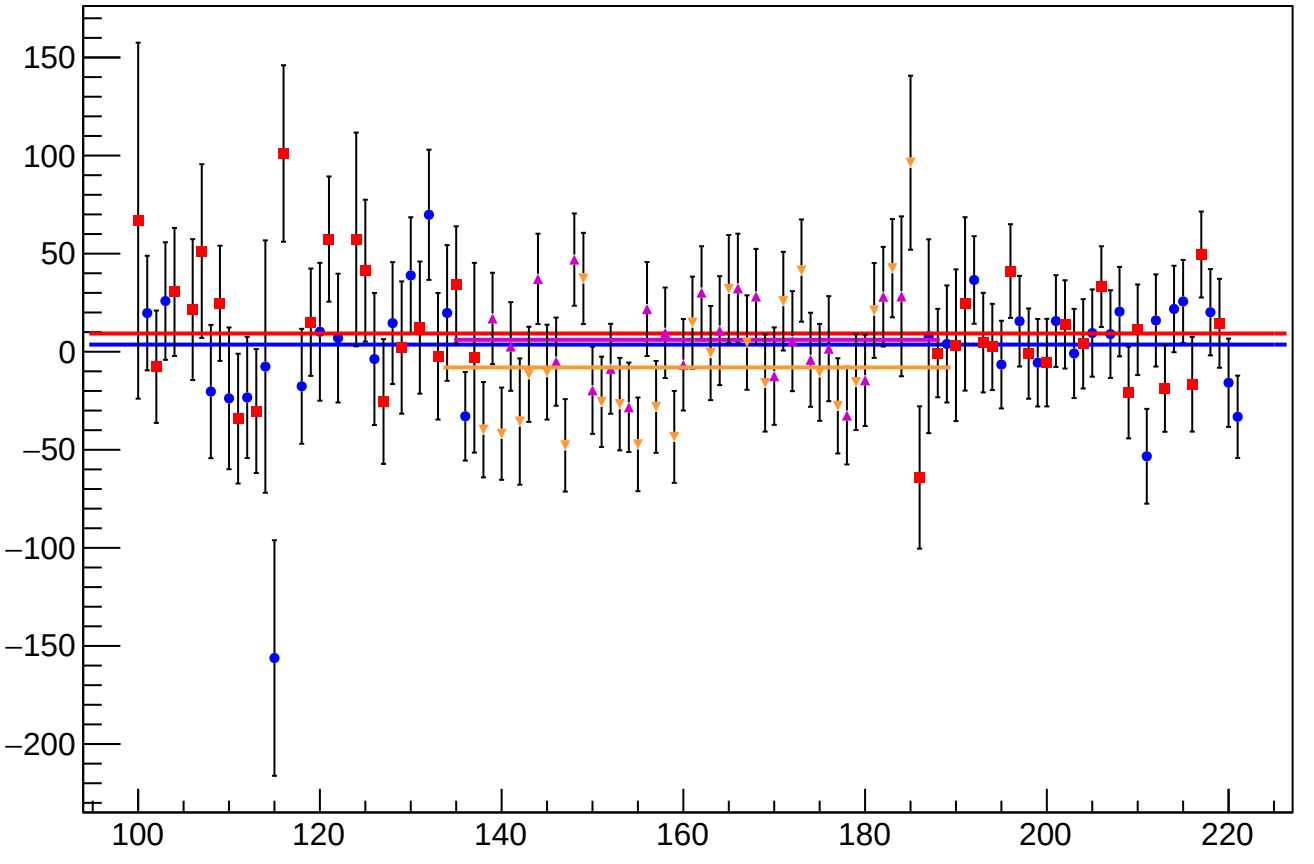
Right Out: 15.946+/-0.002 χ^2/NDF: 111920.4/36

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.837+/-0.002 χ^2/NDF: 271548.4/58

All: 15.851+/-0.001 χ^2/NDF: 538132.5/118

\- sign 15.865+/-0.002 χ^2/NDF: 266458.5/59



Right In: 3.635+/-4.545 χ^2/NDF: 34.5/33

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

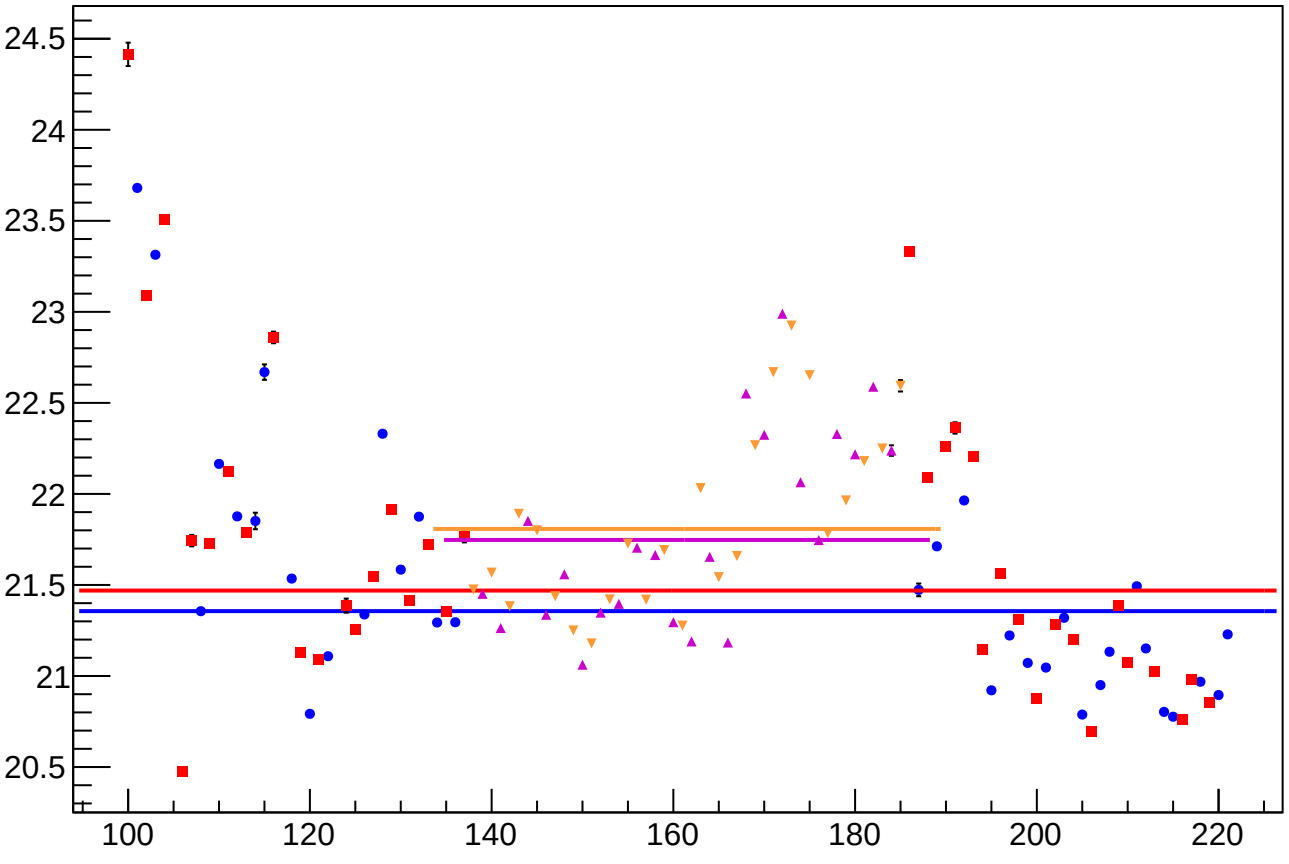
Right Out: 9.285+/-4.625 χ^2/NDF: 32.2/36

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -1.688+/-3.350 χ^2/NDF: 76.4/58

All: 2.975+/-2.393 χ^2/NDF: 130.6/118

\- sign 7.835+/-3.420 χ^2/NDF: 50.3/59



Right In: 21.356+/-0.003 χ^2/NDF: 37097.1/33

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

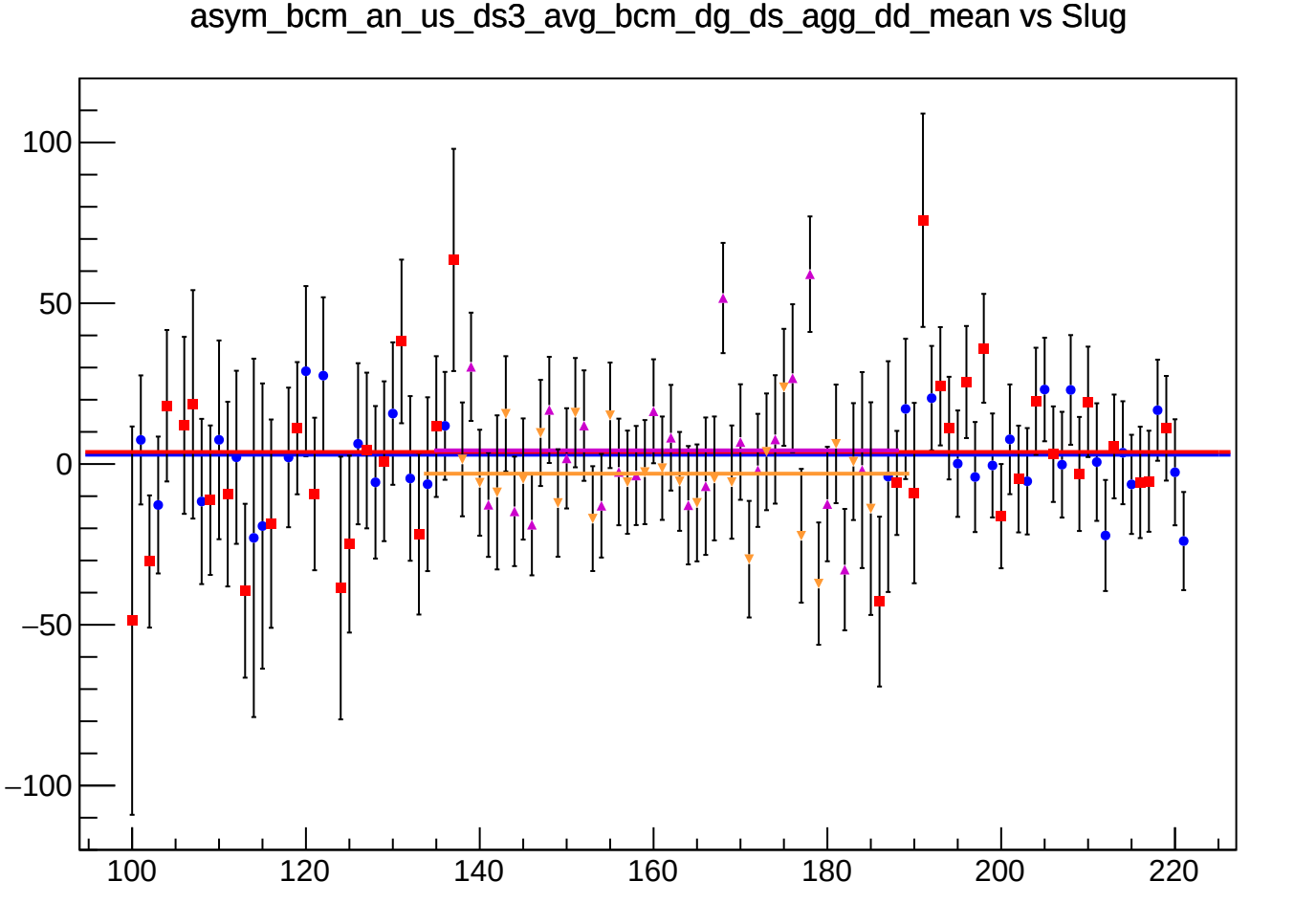
Right Out: 21.469+/-0.003 χ^2/NDF: 43181.9/36

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.562+/-0.002 χ^2/NDF: 63674.7/58

All: 21.579+/-0.002 χ^2/NDF: 130787.6/118

- sign 21.595+/-0.002 χ^2/NDF: 67019.2/59



Right In: 2.899+/-3.358 χ^2/NDF: 16.0/33

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

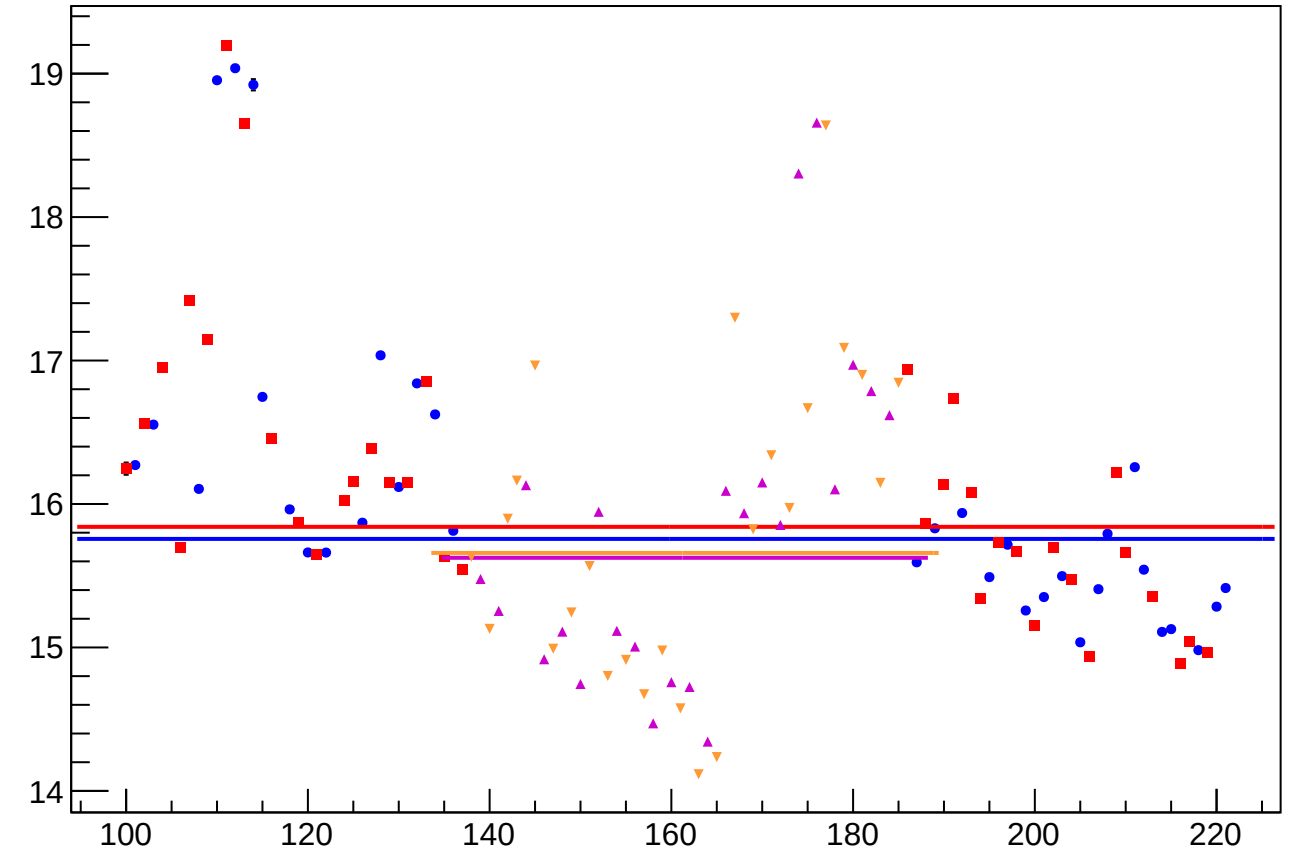
Right Out: 3.746+/-3.418 χ^2/NDF: 35.9/36

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.127+/-2.446 χ^2/NDF: 32.1/58

All: 2.013+/-1.748 χ^2/NDF: 103.1/118

- sign 3.980+/-2.498 χ^2/NDF: 69.7/59



Right In: 15.757+/-0.002 χ^2/NDF: 100575.3/33

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

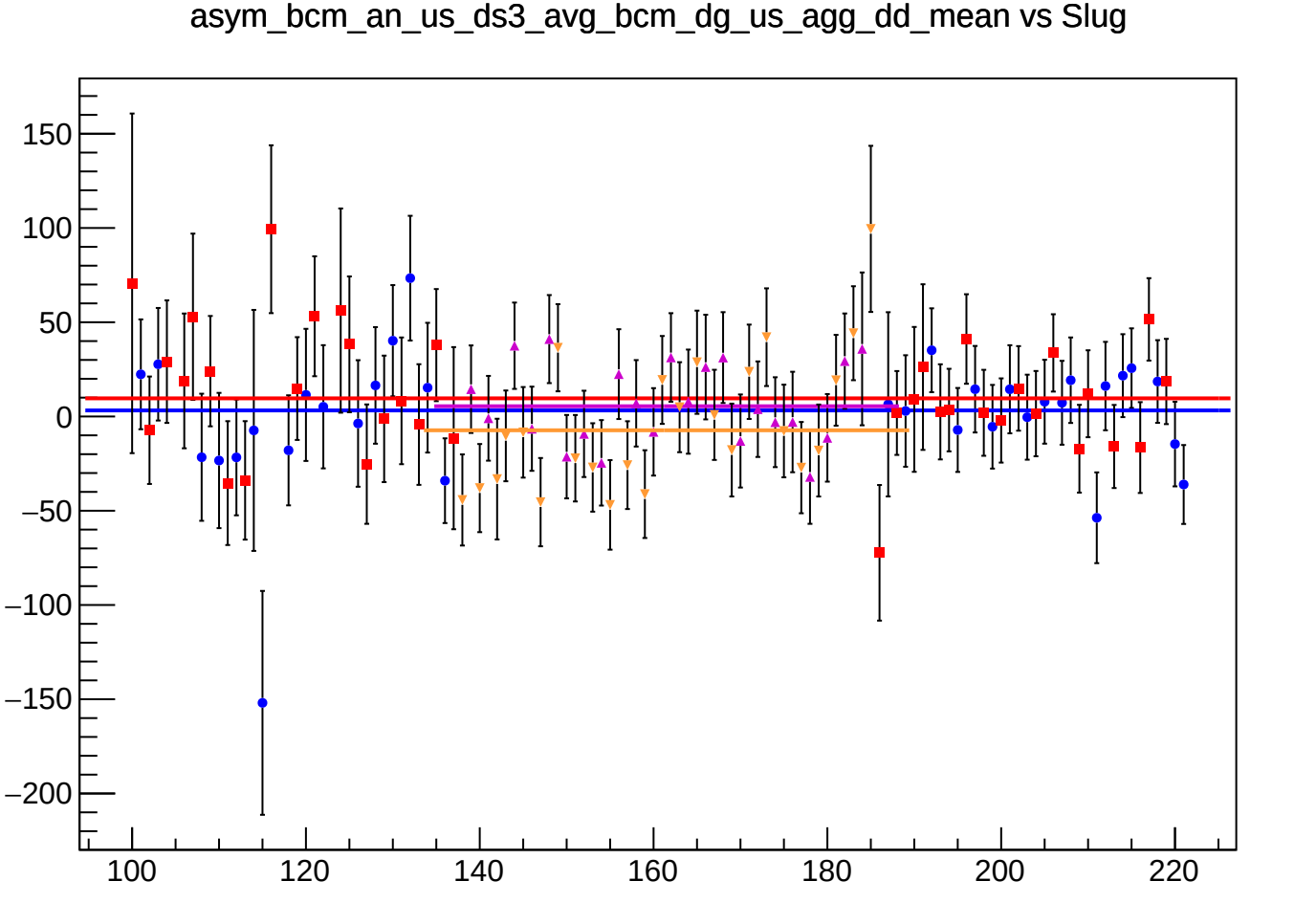
Right Out: 15.841+/-0.002 χ^2/NDF: 112426.5/36

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.711+/-0.002 χ^2/NDF: 271209.4/58

All: 15.725+/-0.001 χ^2/NDF: 537923.2/118

- sign 15.740+/-0.002 χ^2/NDF: 266570.9/59



Right In: 3.217+/-4.527 χ^2/NDF: 35.3/33

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

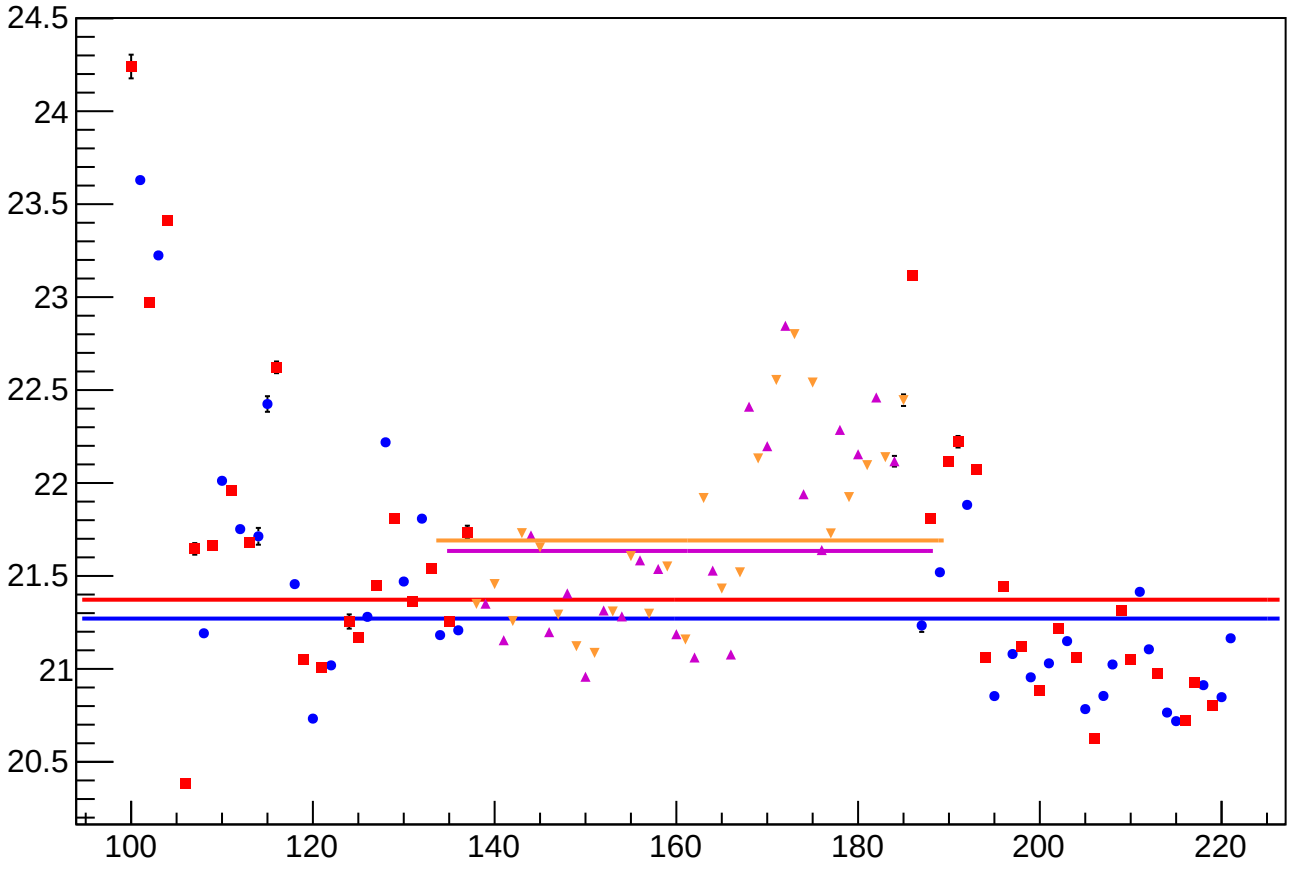
Right Out: 9.622+/-4.604 χ^2/NDF: 33.2/36

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

\+ sign -1.603+/-3.334 χ^2/NDF: 76.4/58

All: 2.964+/-2.382 χ^2/NDF: 131.1/118

\- sign 7.723+/-3.403 χ^2/NDF: 50.8/59



Right In: 21.271+/-0.003 χ^2/NDF: 36024.7/33

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.372+/-0.003 χ^2/NDF: 39405.8/36

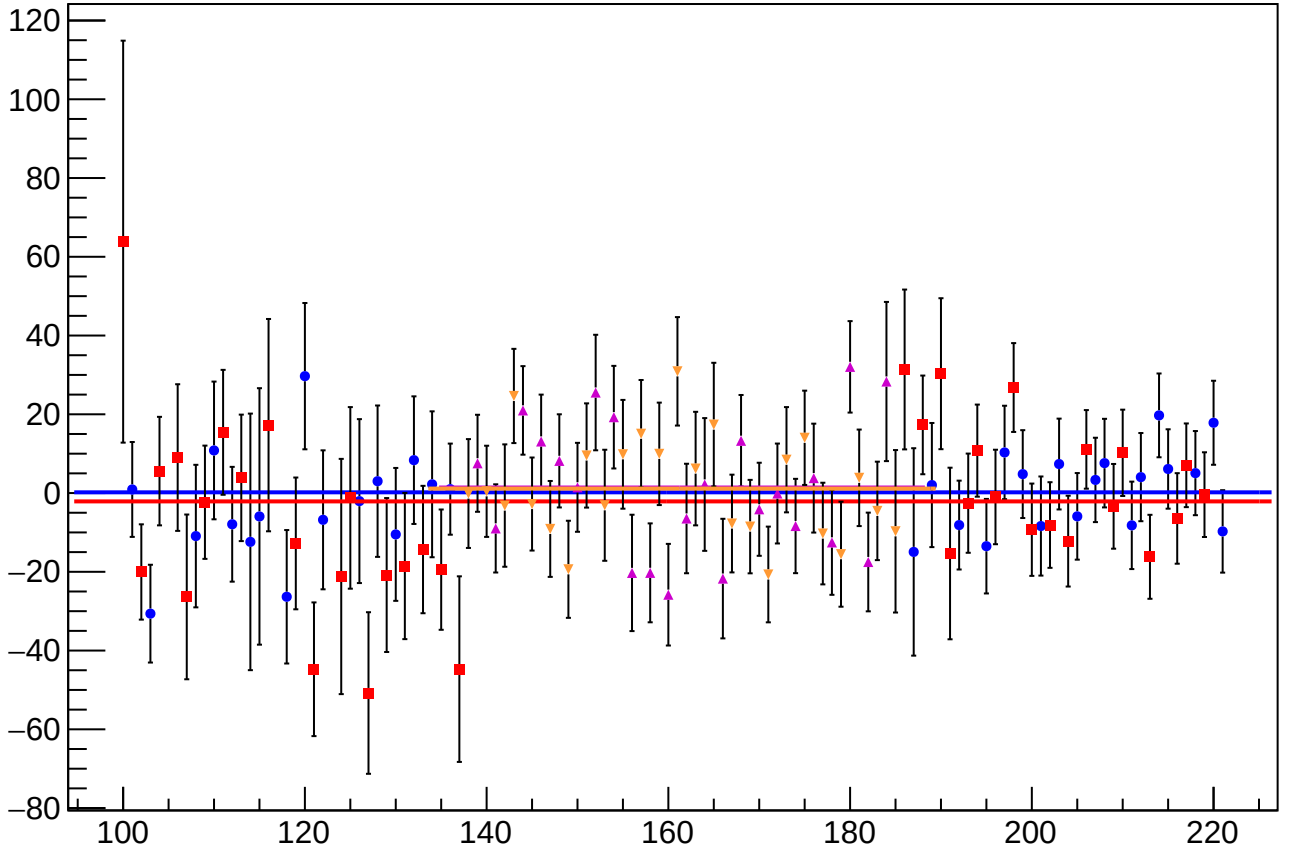
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.463+/-0.002 χ^2/NDF: 61842.0/58

All: 21.477+/-0.002 χ^2/NDF: 124823.4/118

- sign 21.491+/-0.002 χ^2/NDF: 62911.2/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.184+/-2.269 χ^2/NDF: 26.3/33

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -2.121+/-2.320 χ^2/NDF: 50.6/36

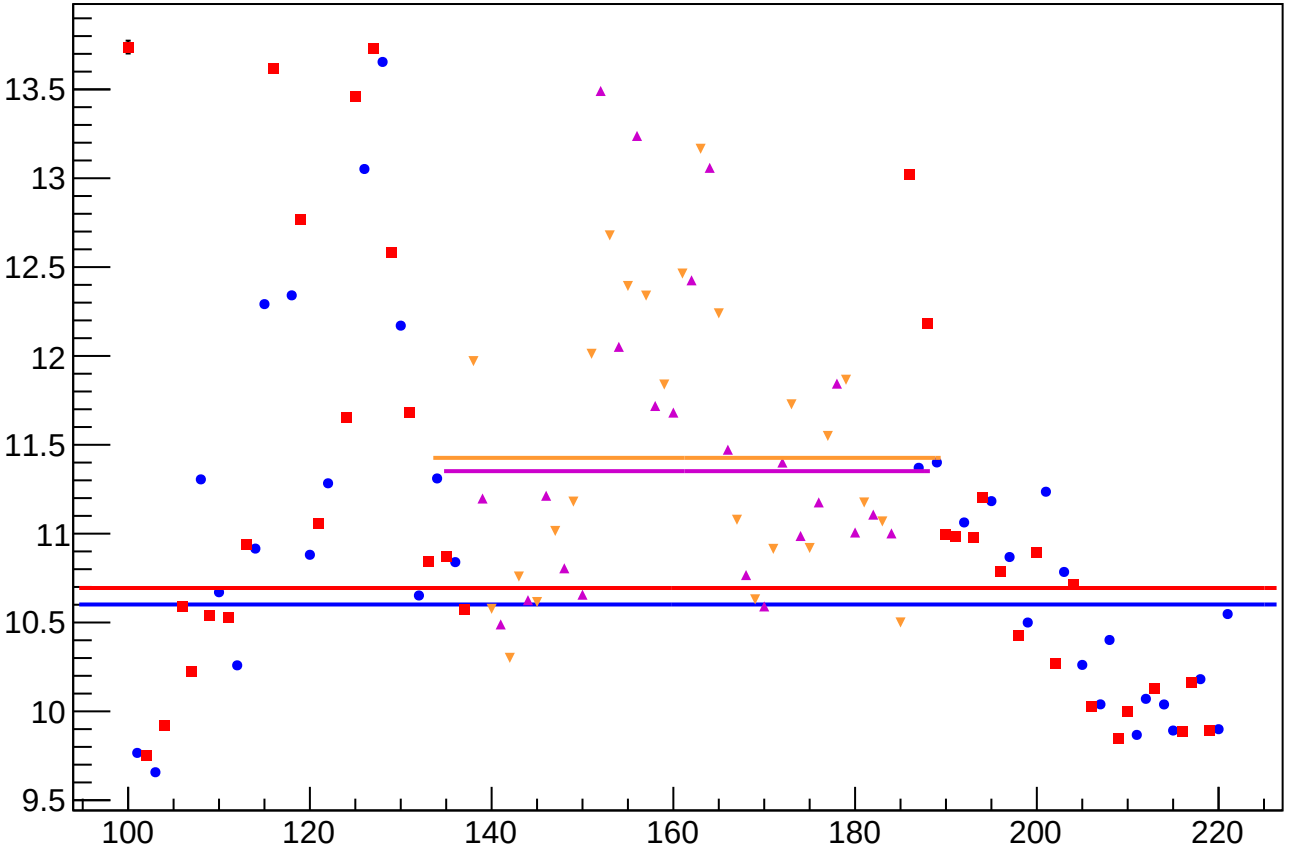
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.593+/-1.715 χ^2/NDF: 50.9/58

All: 0.007+/-1.226 χ^2/NDF: 139.0/118

- sign -0.605+/-1.753 χ^2/NDF: 87.9/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.601+/-0.002 χ^2/NDF: 224930.6/33

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

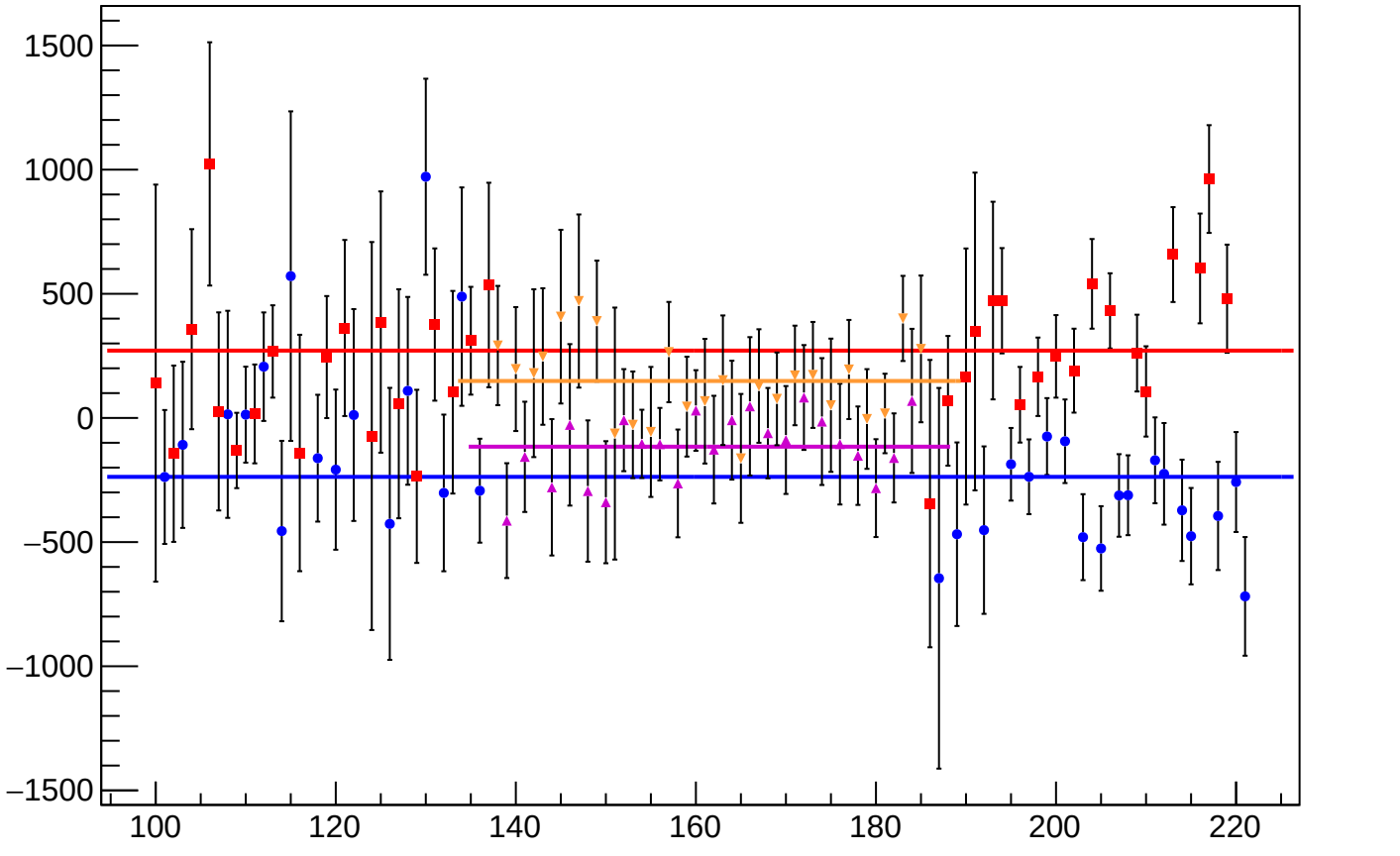
Right Out: 10.694+/-0.002 χ^2/NDF: 308500.1/36

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.955+/-0.001 χ^2/NDF: 495236.9/58

All: 10.966+/-0.001 χ^2/NDF: 1043450.3/118

- sign 10.977+/-0.001 χ^2/NDF: 548059.0/59



Right In: -237.287+/-38.610 χ^2/NDF: 36.7/33

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 271.248+/-38.988 χ^2/NDF: 44.2/36

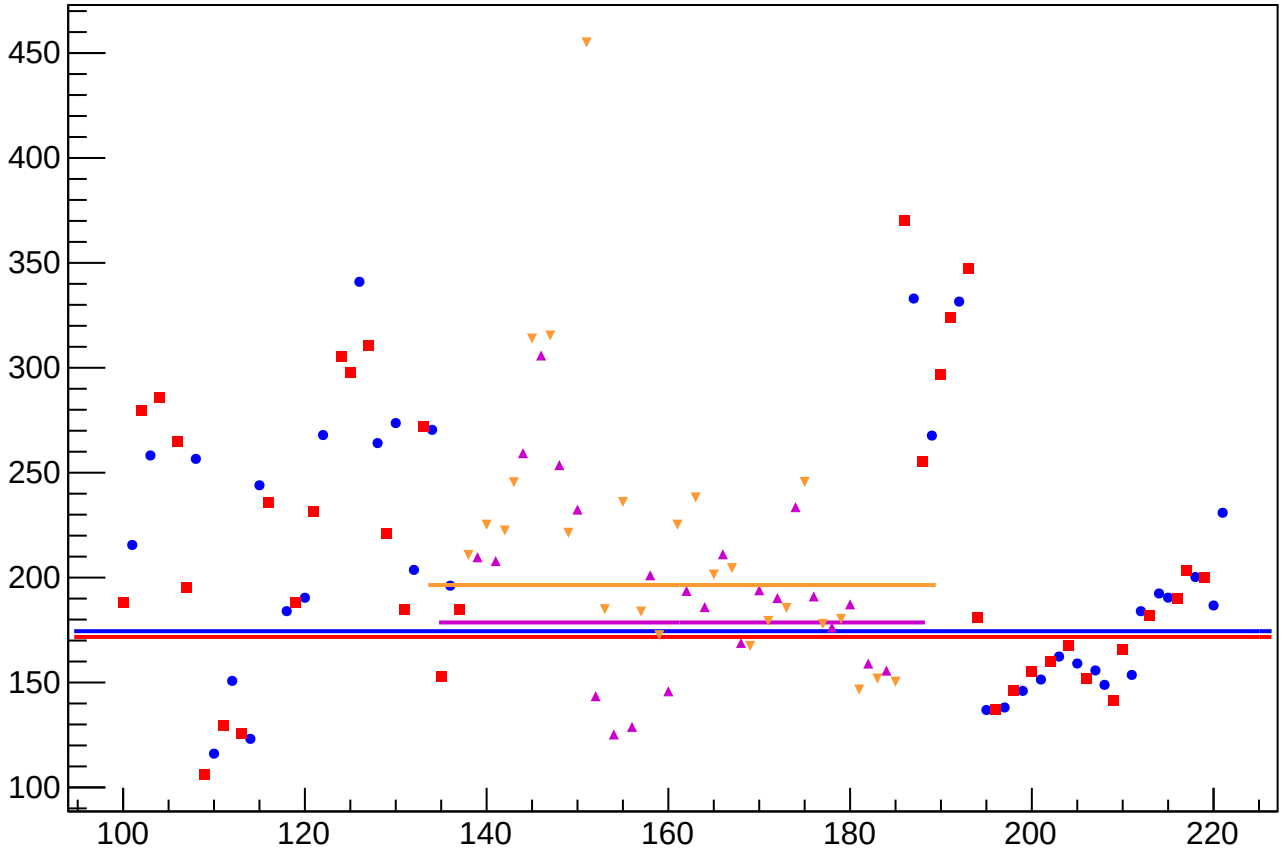
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -78.909+/-29.654 χ^2/NDF: 88.3/58

All: 12.049+/-20.761 χ^2/NDF: 202.4/118

- sign 99.489+/-29.075 χ^2/NDF: 95.7/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.460+/-0.027 χ^2/NDF: 2490427.4/33

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

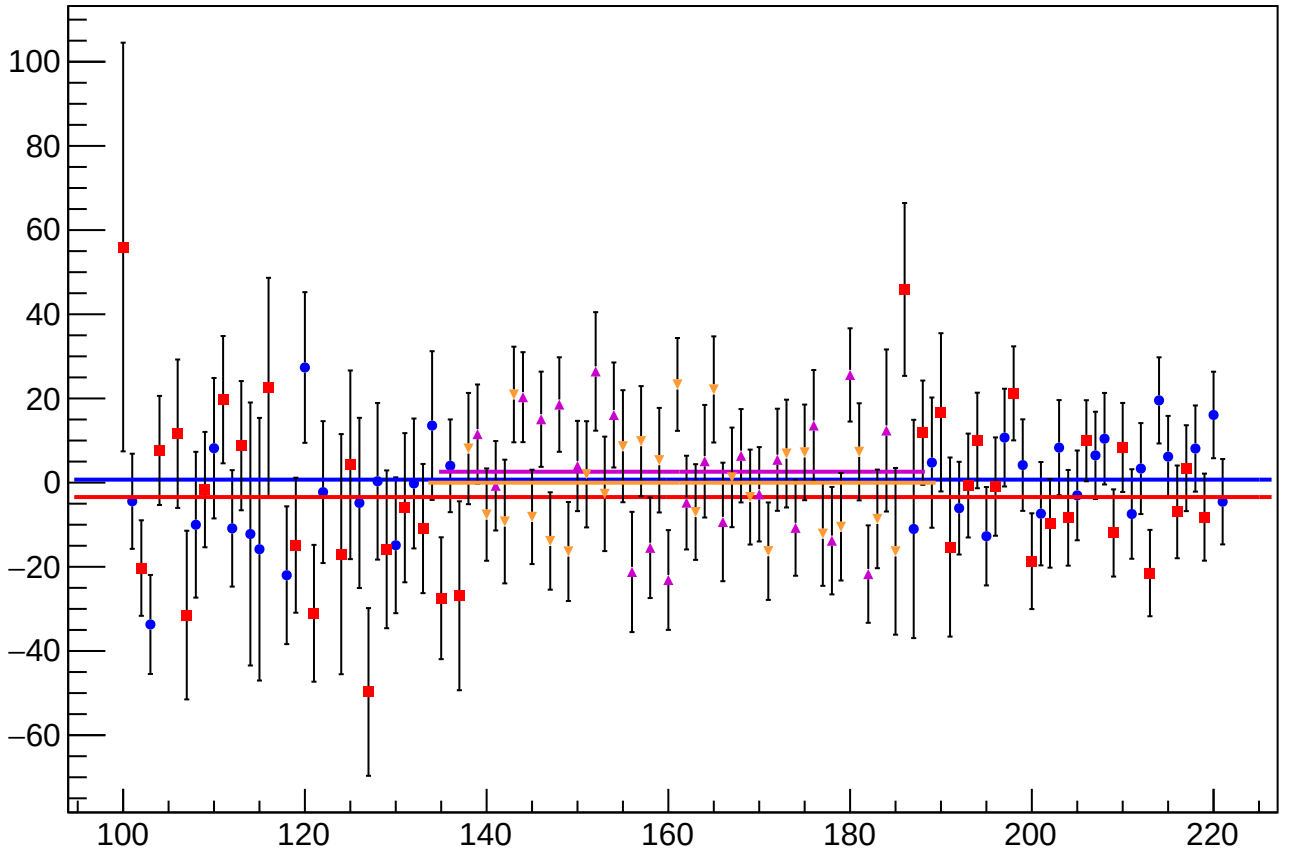
Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 183.480+/-0.021 χ^2/NDF: 4575325.5/58

All: 179.039+/-0.015 χ^2/NDF: 9477499.7/118

- sign 174.770+/-0.021 χ^2/NDF: 4814203.6/59



Right In: 0.712+/-2.188 χ^2/NDF: 28.6/33

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

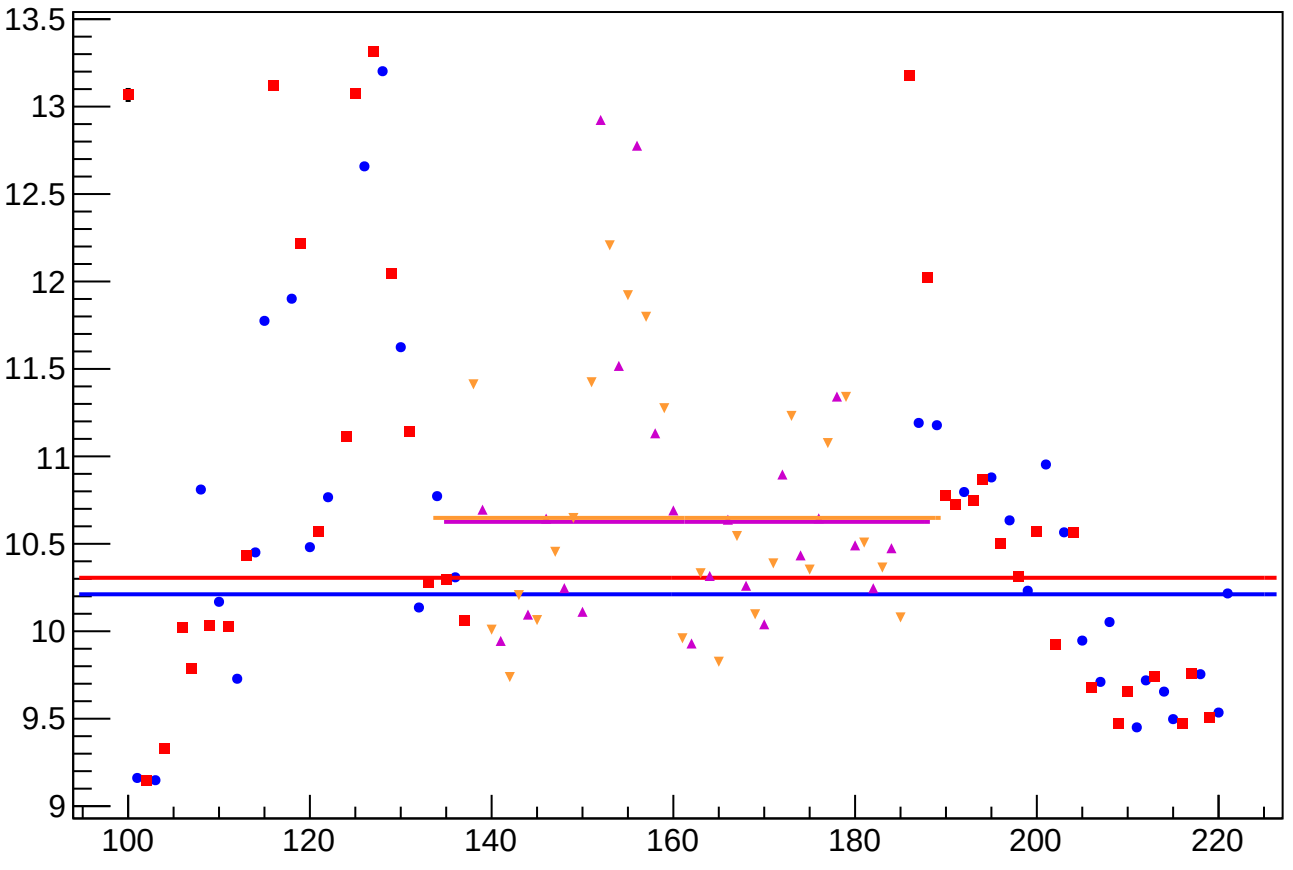
Right Out: -3.428+/-2.238 χ^2/NDF: 50.0/36

Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.388+/-1.630 χ^2/NDF: 52.4/58

All: -0.171+/-1.166 χ^2/NDF: 140.6/118

- sign -0.757+/-1.669 χ^2/NDF: 87.9/59



Right In: 10.211+/-0.002 χ^2/NDF: 250948.8/33

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

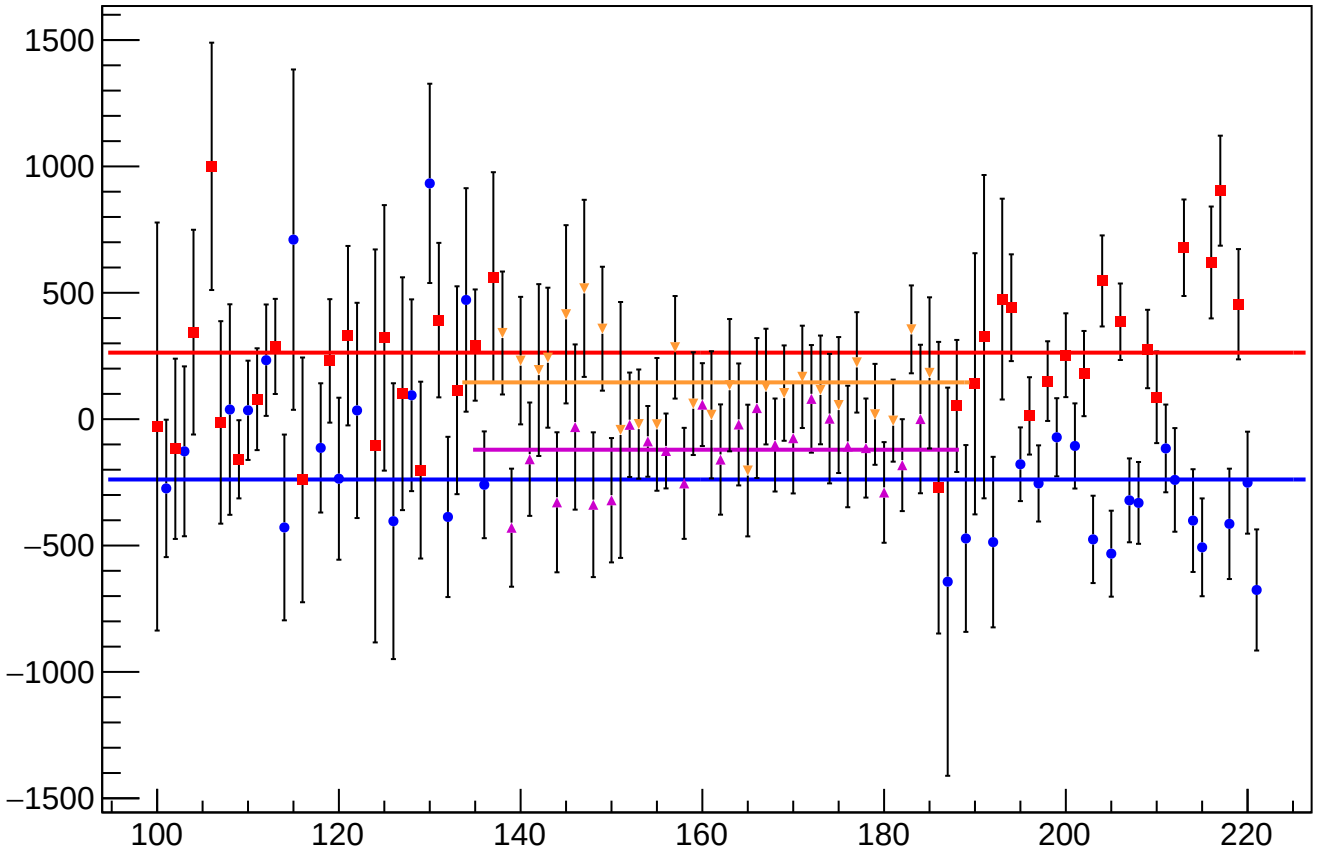
Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.406+/-0.001 χ^2/NDF: 429952.4/58

All: 10.426+/-0.001 χ^2/NDF: 959283.5/118

- sign 10.448+/-0.001 χ^2/NDF: 528680.6/59



Right In: -238.670+/-38.681 χ^2/NDF: 38.2/33

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 263.210+/-39.095 χ^2/NDF: 43.3/36

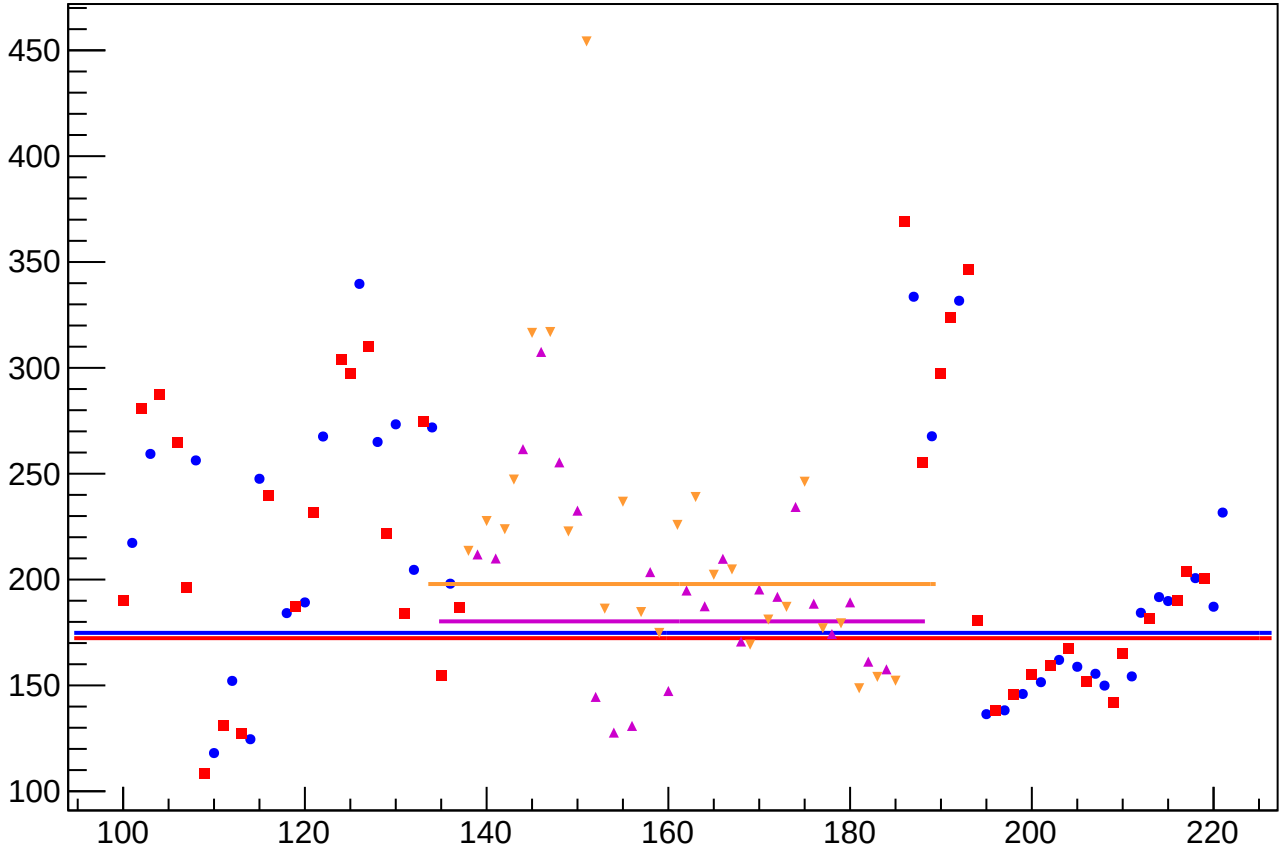
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -81.987+/-29.767 χ^2/NDF: 88.7/58

All: 7.489+/-20.854 χ^2/NDF: 200.6/118

- sign 93.729+/-29.224 χ^2/NDF: 94.1/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.819+/-0.027 χ^2/NDF: 2479592.4/33

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

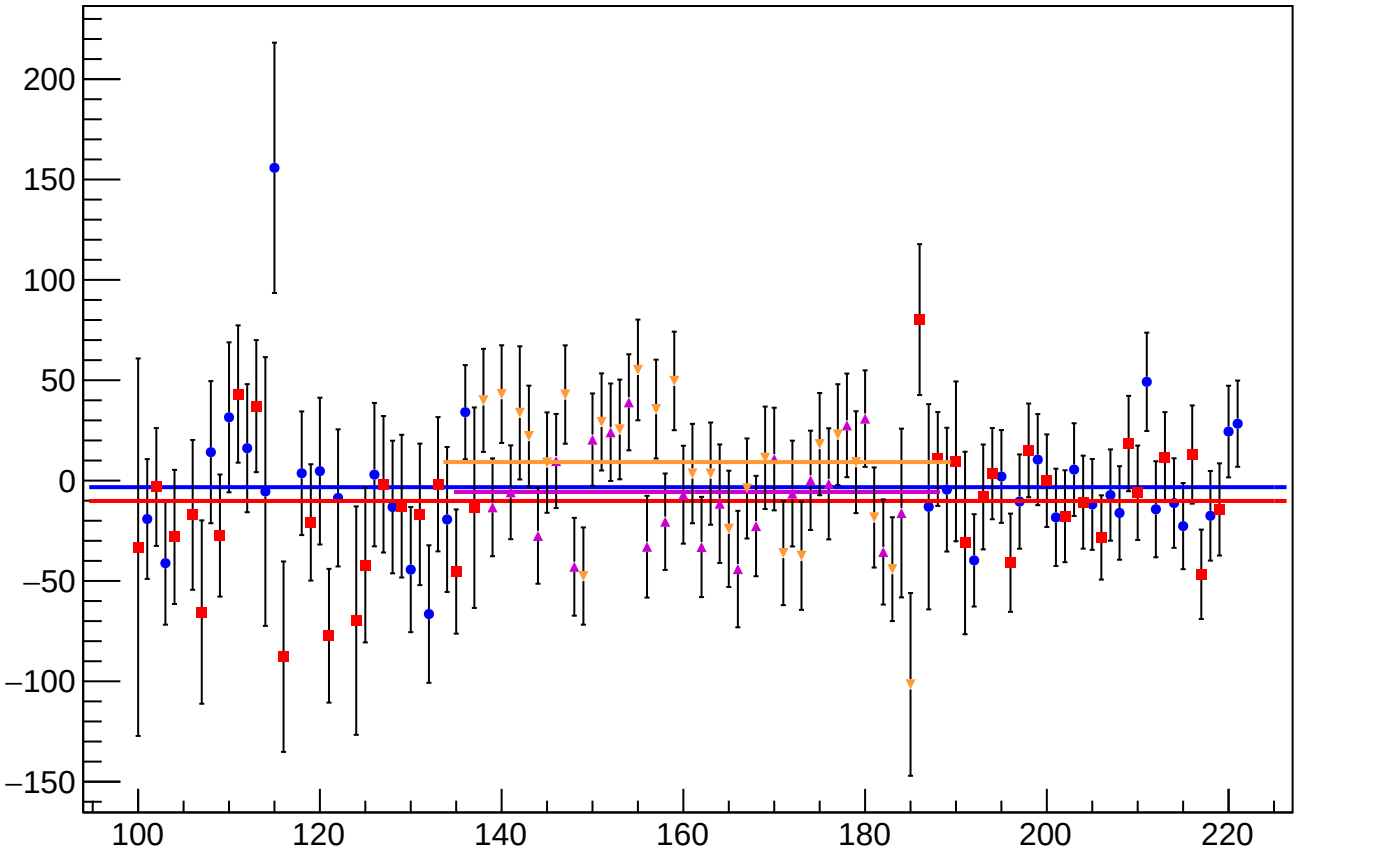
Right Out: 172.315+/-0.028 χ^2/NDF: 3053674.4/36

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 184.228+/-0.021 χ^2/NDF: 4558588.7/58

All: 179.944+/-0.015 χ^2/NDF: 9357716.9/118

- sign 175.815+/-0.021 χ^2/NDF: 4717789.1/59



Right In: -3.272+/-4.666 χ^2/NDF: 31.8/33

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.156+/-4.758 χ^2/NDF: 34.1/36

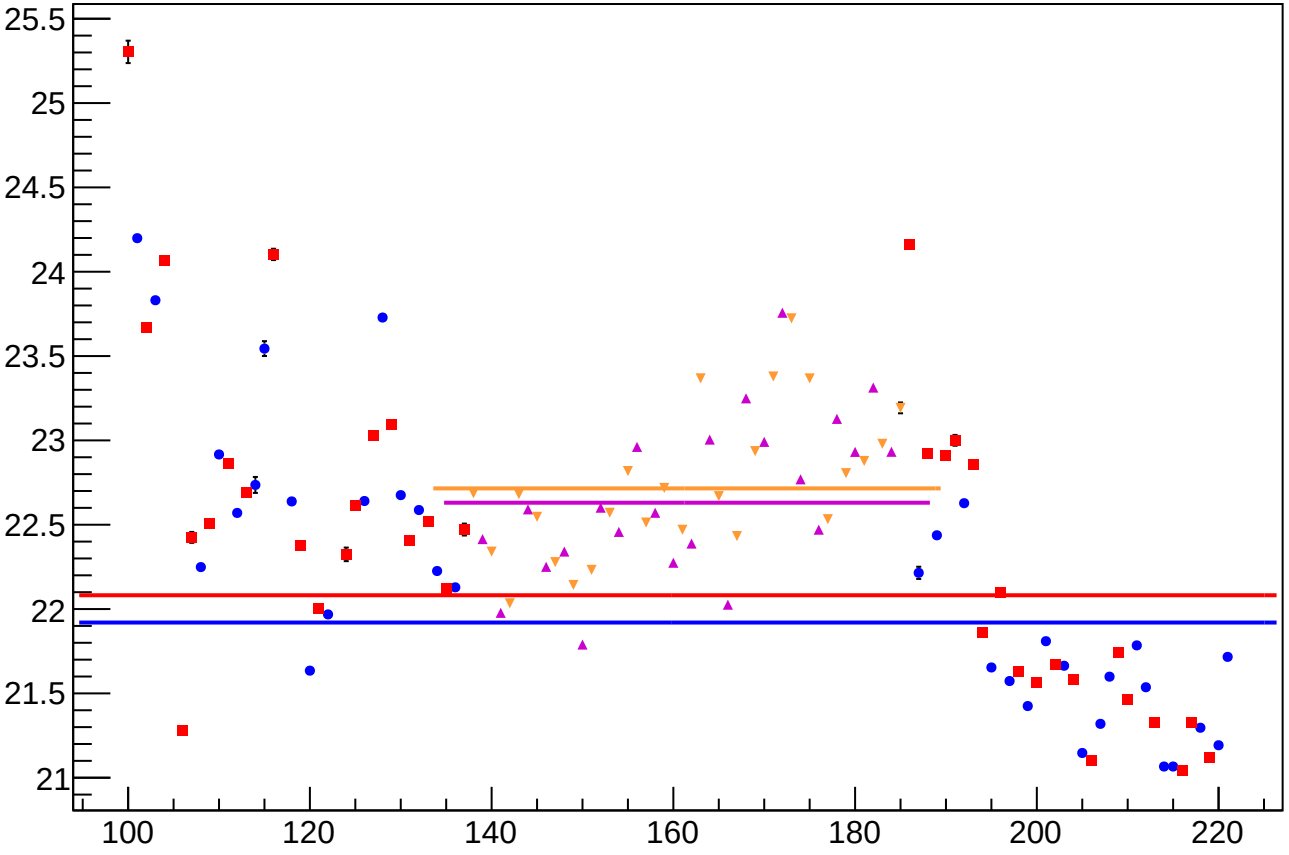
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

\+ sign 2.351+/-3.462 χ^2/NDF: 74.5/58

All: -2.786+/-2.474 χ^2/NDF: 134.2/118

\- sign -8.148+/-3.536 χ^2/NDF: 55.3/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.920+/-0.003 χ^2/NDF: 52791.1/33

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.082+/-0.003 χ^2/NDF: 60030.4/36

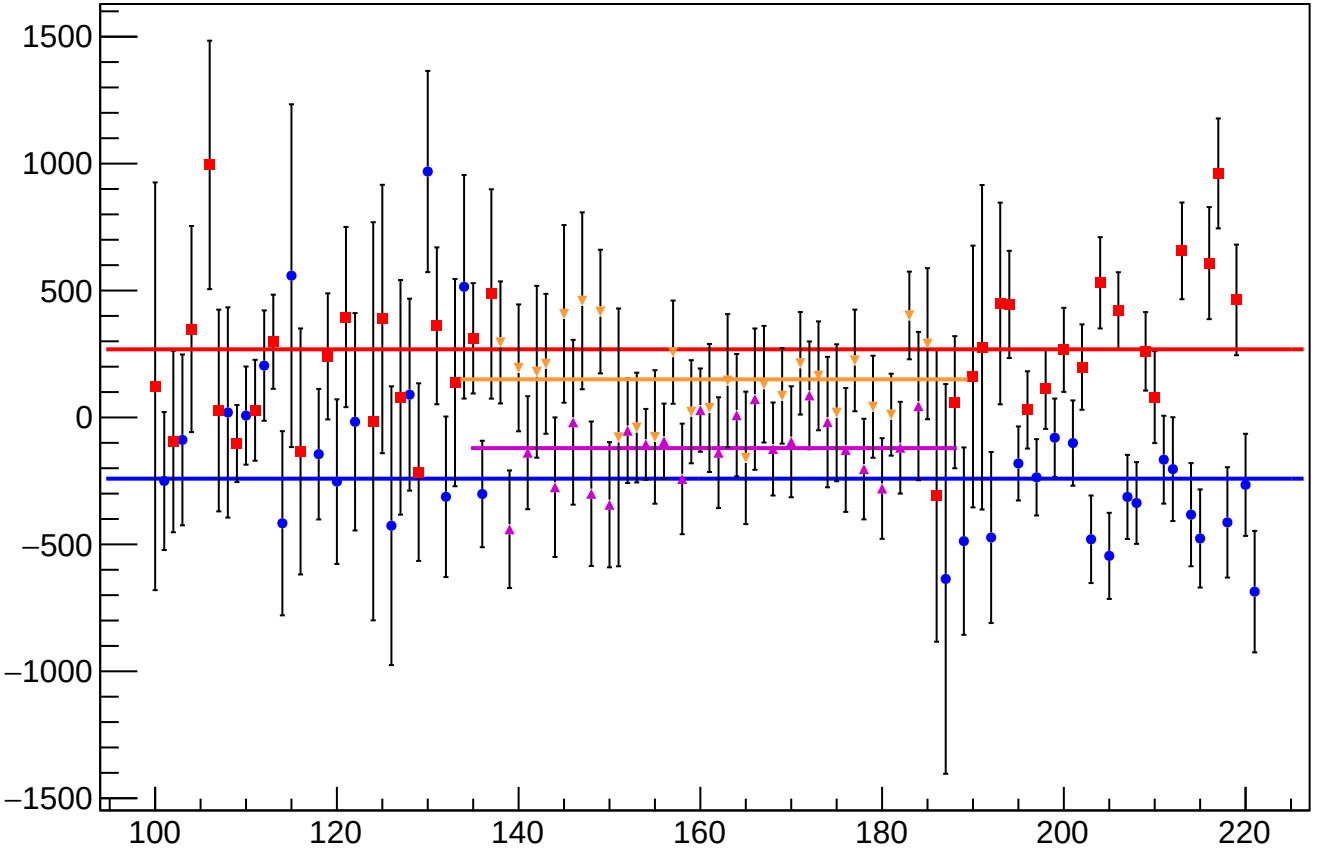
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.278+/-0.002 χ^2/NDF: 91100.3/58

All: 22.302+/-0.002 χ^2/NDF: 178626.1/118

- sign 22.327+/-0.003 χ^2/NDF: 87323.9/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -241.092+/-38.570 χ^2/NDF: 36.9/33

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 268.392+/-38.940 χ^2/NDF: 42.7/36

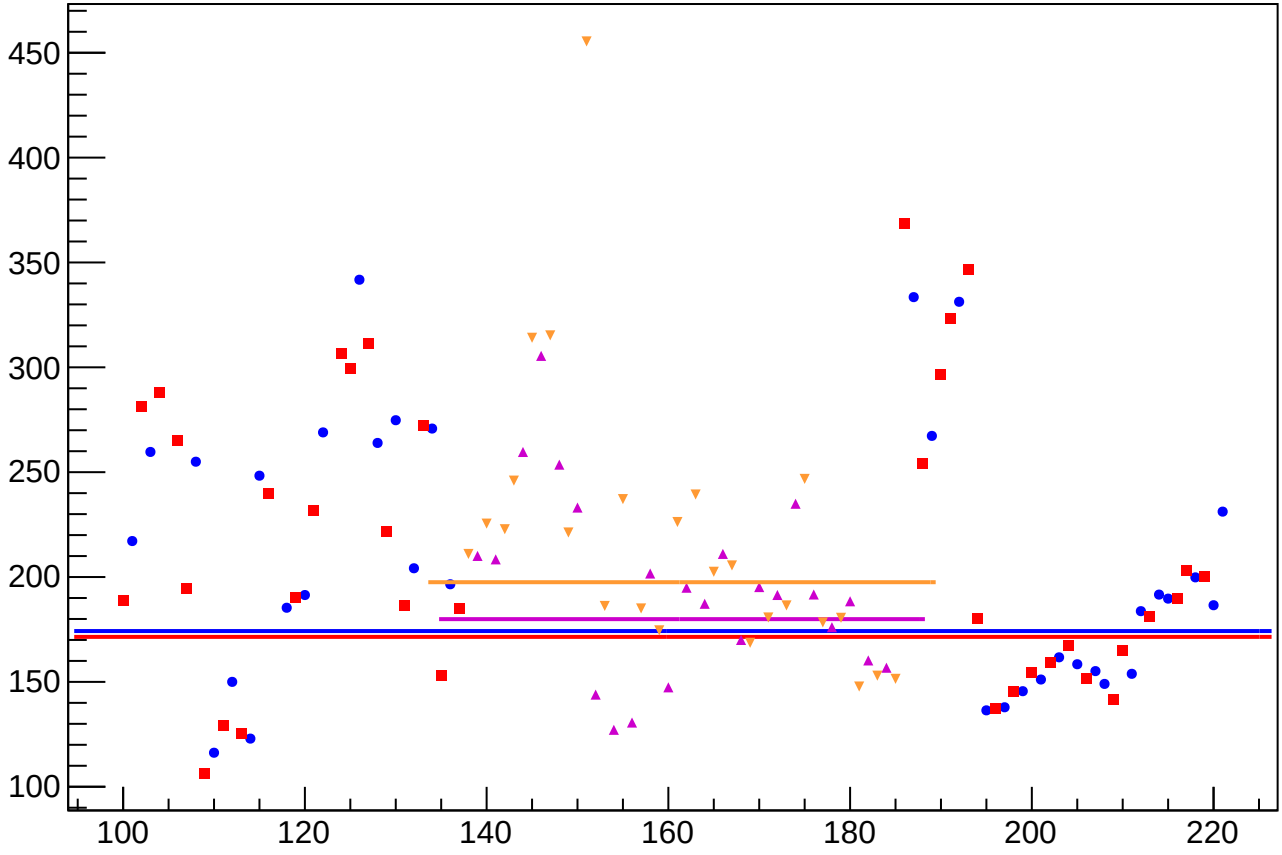
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -81.743+/-29.696 χ^2/NDF: 89.8/58

All: 9.386+/-20.798 χ^2/NDF: 202.8/118

- sign 97.119+/-29.137 χ^2/NDF: 94.6/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.239+/-0.027 χ^2/NDF: 2512834.7/33

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

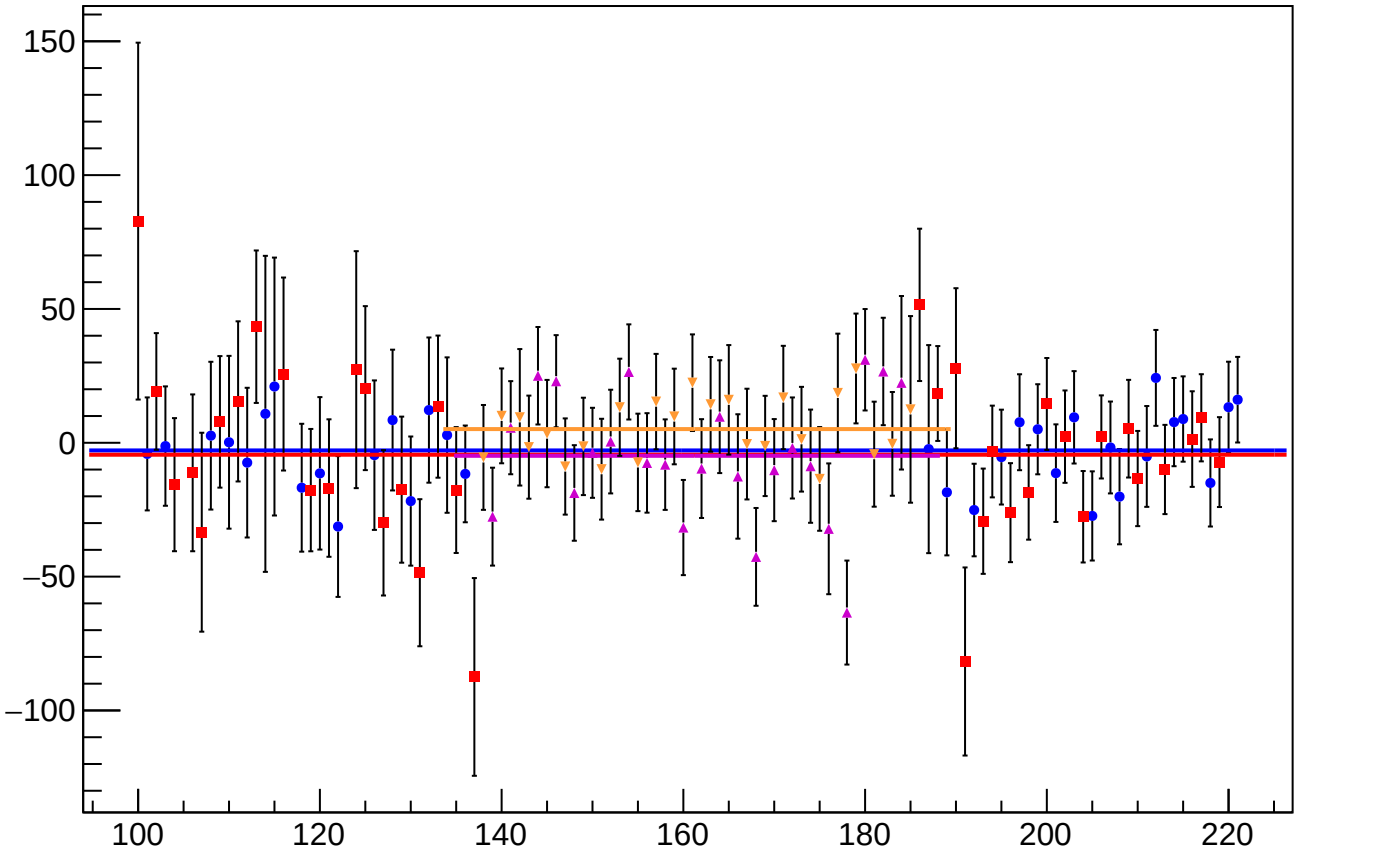
Right Out: 171.463+/-0.028 χ^2/NDF: 3127564.2/36

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

\+ sign 183.725+/-0.021 χ^2/NDF: 4599809.1/58

All: 179.375+/-0.015 χ^2/NDF: 9477321.4/118

\- sign 175.187+/-0.021 χ^2/NDF: 4793260.0/59



Right In: -2.855+/-3.538 χ^2/NDF: 16.0/33

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -4.459+/-3.613 χ^2/NDF: 39.3/36

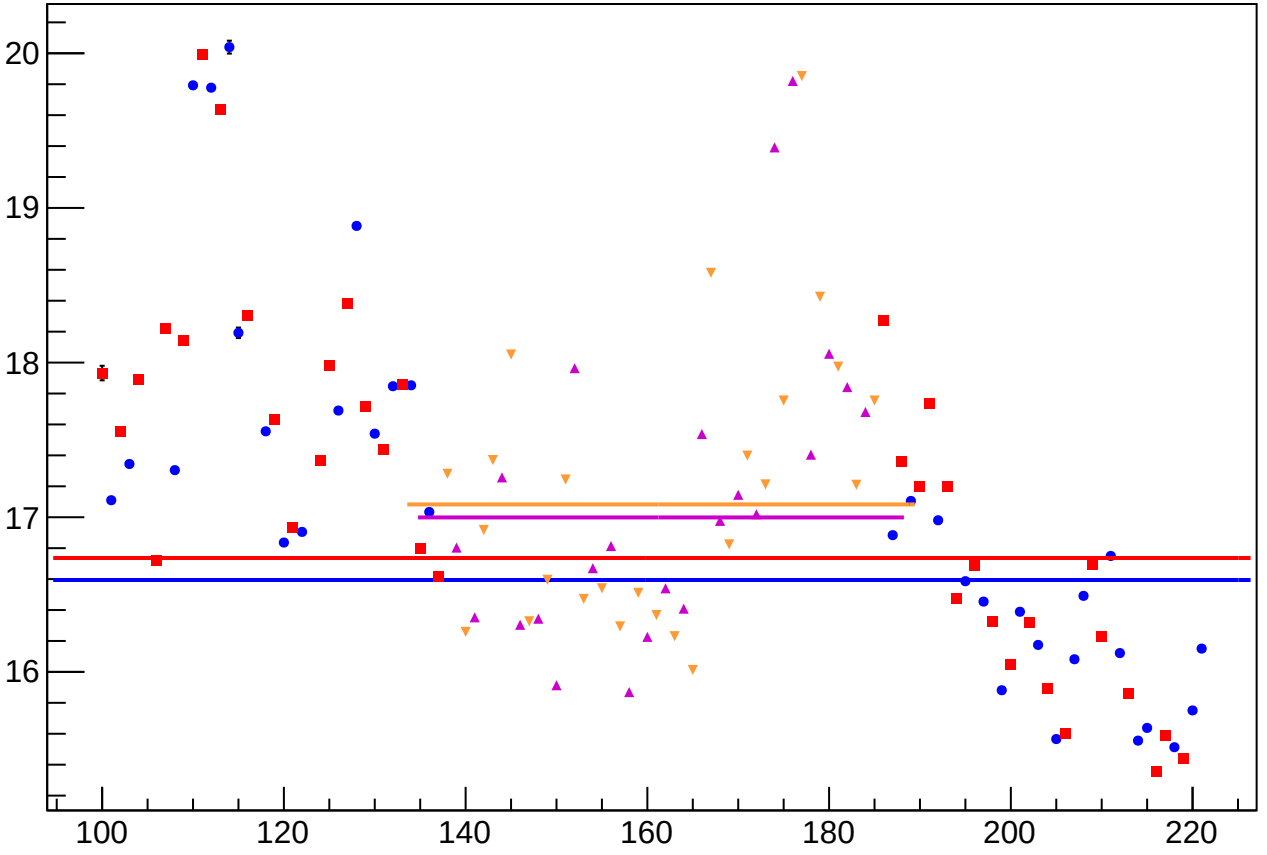
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.755+/-2.618 χ^2/NDF: 26.2/58

All: -1.883+/-1.871 χ^2/NDF: 103.1/118

- sign -4.639+/-2.675 χ^2/NDF: 74.8/59

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.594+/-0.003 χ^2/NDF: 142196.5/33

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

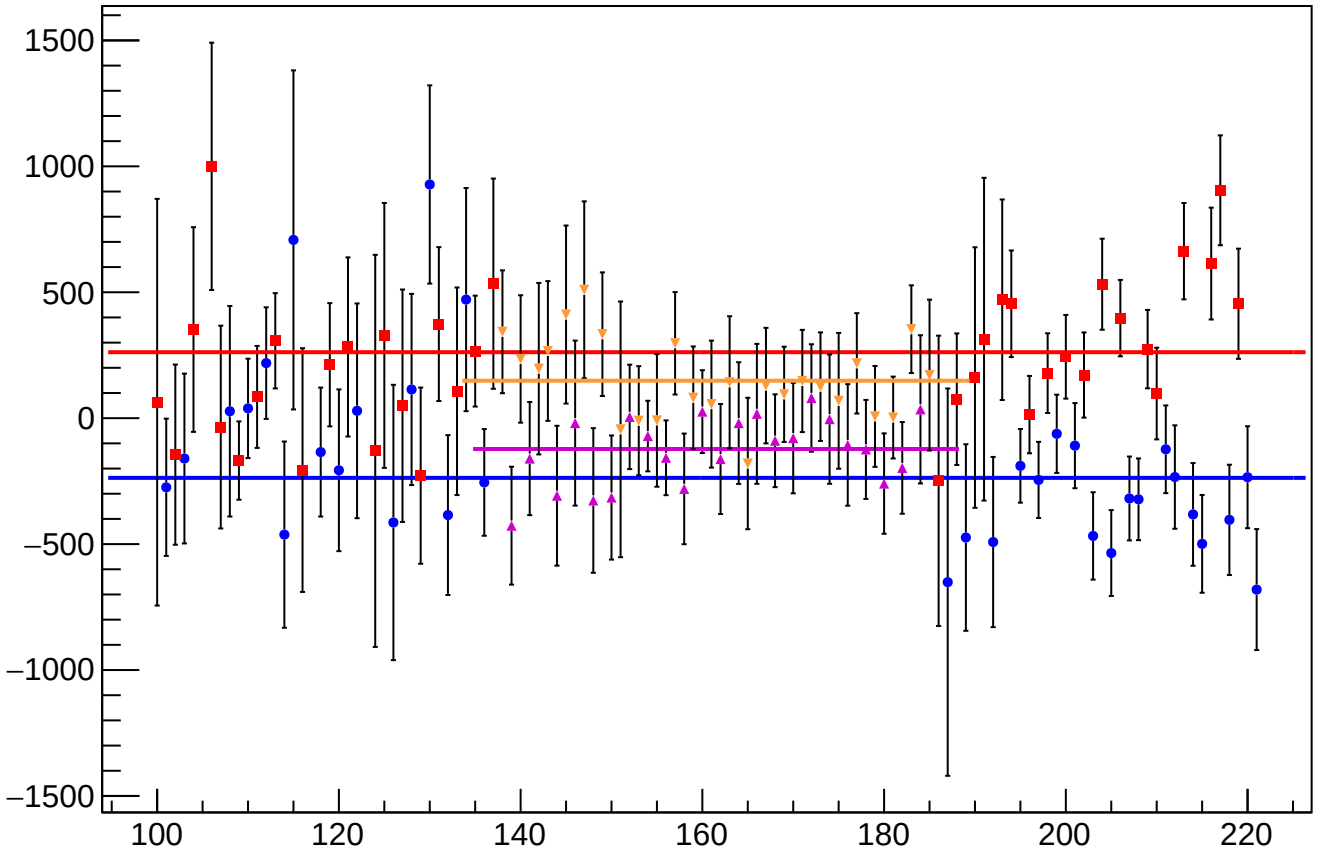
Right Out: 16.737+/-0.003 χ^2/NDF: 161395.5/36

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.815+/-0.002 χ^2/NDF: 256243.7/58

All: 16.835+/-0.001 χ^2/NDF: 526642.1/118

- sign 16.855+/-0.002 χ^2/NDF: 270175.9/59



Right In: -236.955+/-38.798 χ^2/NDF: 37.4/33

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 262.026+/-39.212 χ^2/NDF: 42.6/36

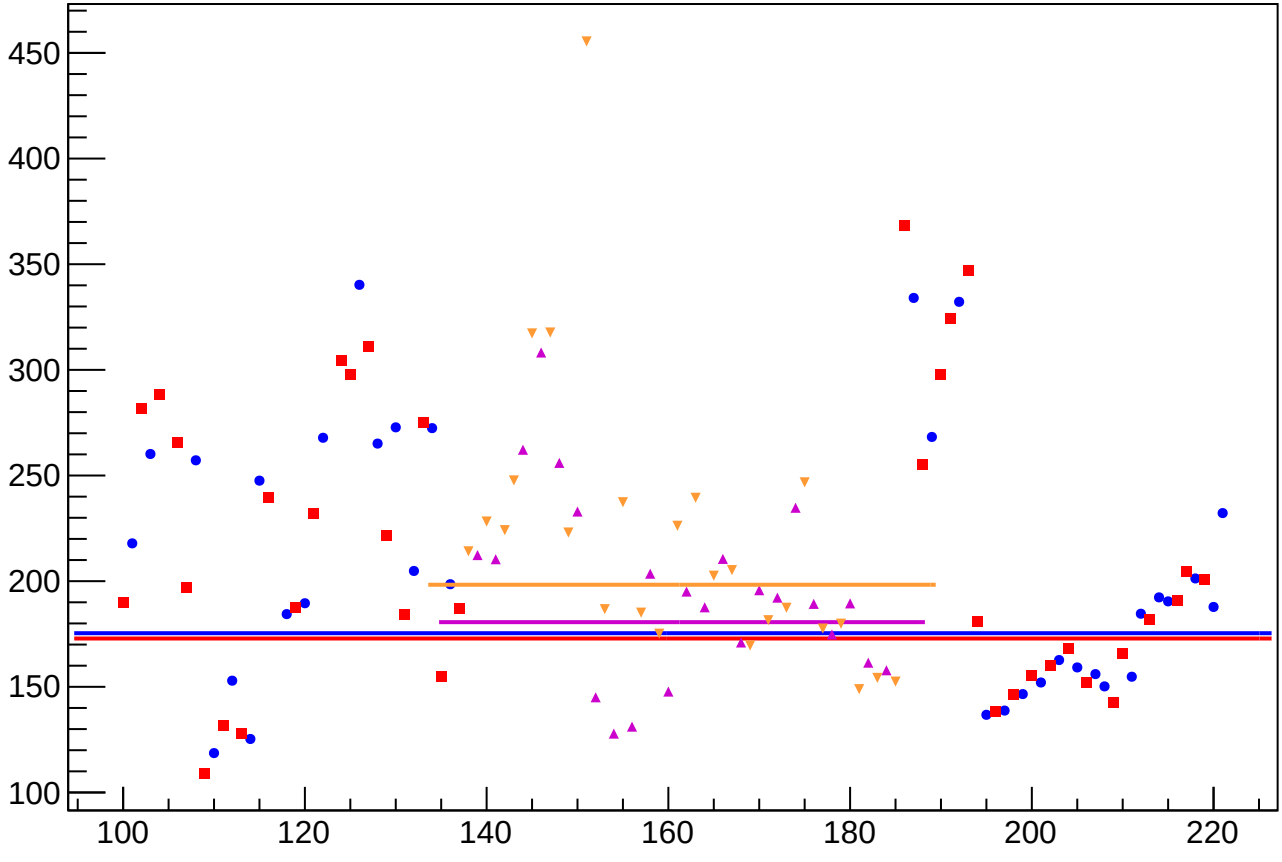
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -79.503+/-29.846 χ^2/NDF: 87.3/58

All: 7.951+/-20.908 χ^2/NDF: 197.1/118

\- sign 92.221+/-29.298 χ^2/NDF: 93.0/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.375+/-0.027 χ^2/NDF: 2466399.7/33

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

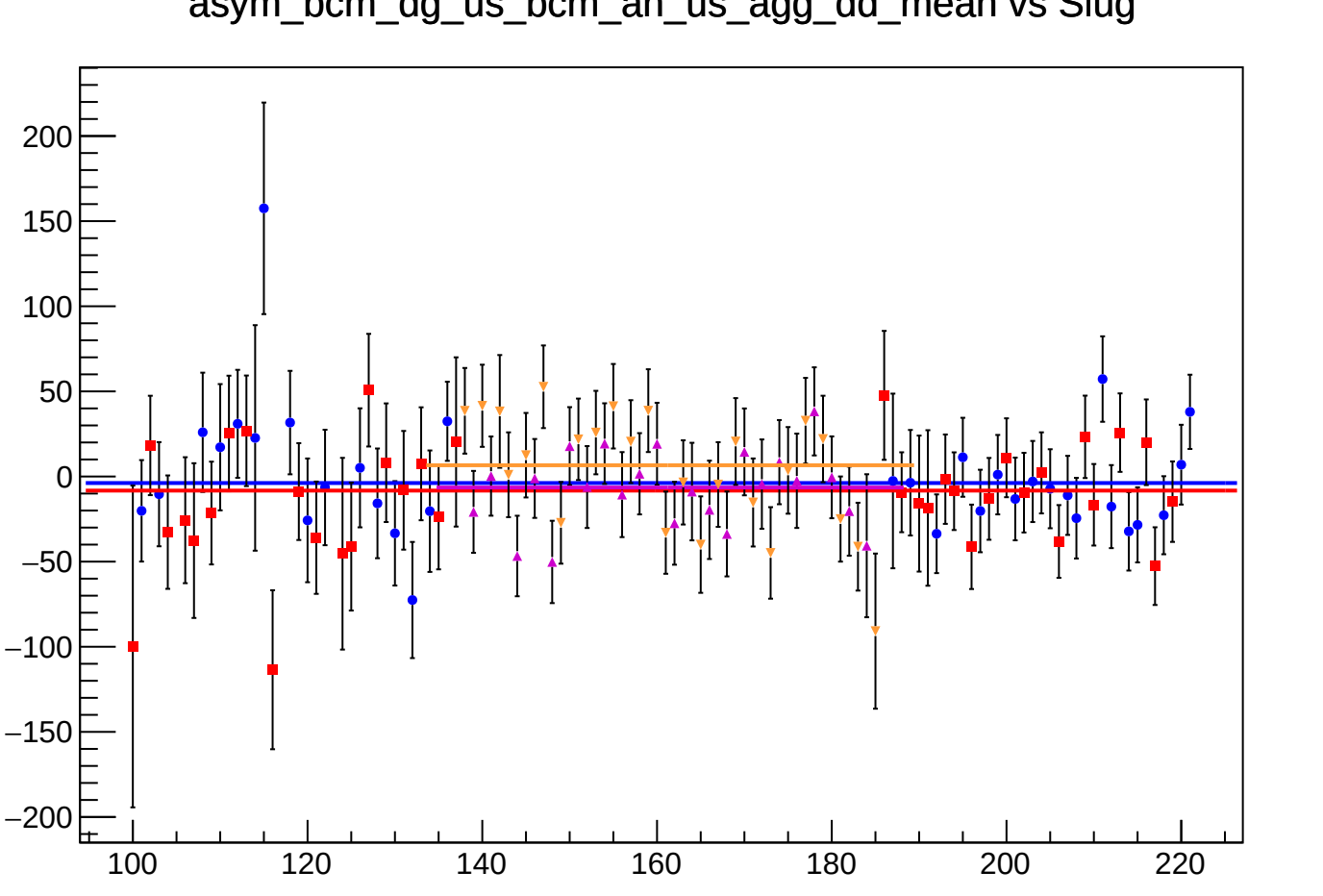
Right Out: 172.866+/-0.028 χ^2/NDF: 3035159.2/36

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 184.739+/-0.021 χ^2/NDF: 4542059.1/58

All: 180.433+/-0.015 χ^2/NDF: 9321413.7/118

- sign 176.283+/-0.021 χ^2/NDF: 4697609.0/59



Right In: -3.831+/-4.716 χ^2/NDF: 36.3/33

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -8.272+/-4.795 χ^2/NDF: 32.6/36

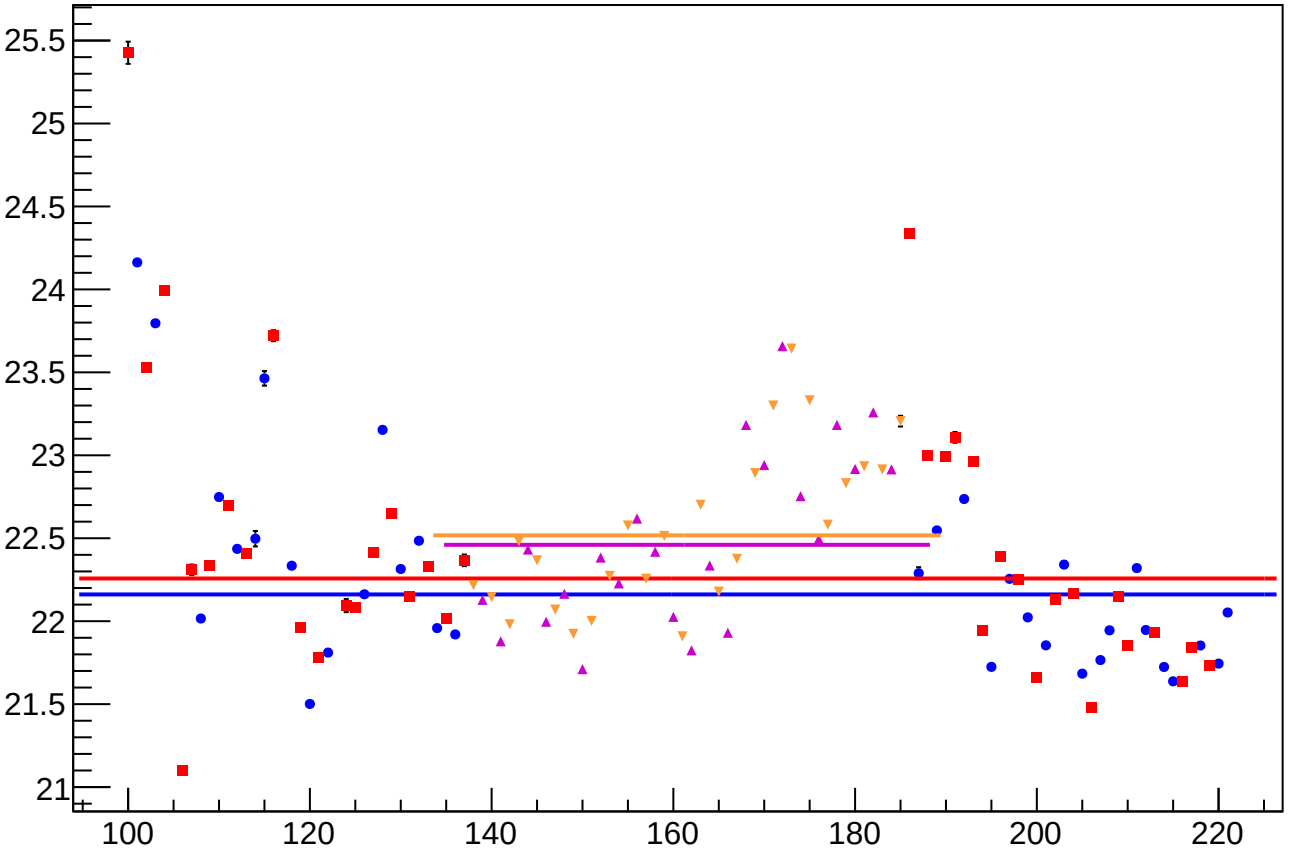
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.965+/-3.468 χ^2/NDF: 75.4/58

All: -3.160+/-2.477 χ^2/NDF: 128.4/118

- sign -7.457+/-3.539 χ^2/NDF: 50.1/59

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.161+/-0.003 χ^2/NDF: 27220.7/33

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

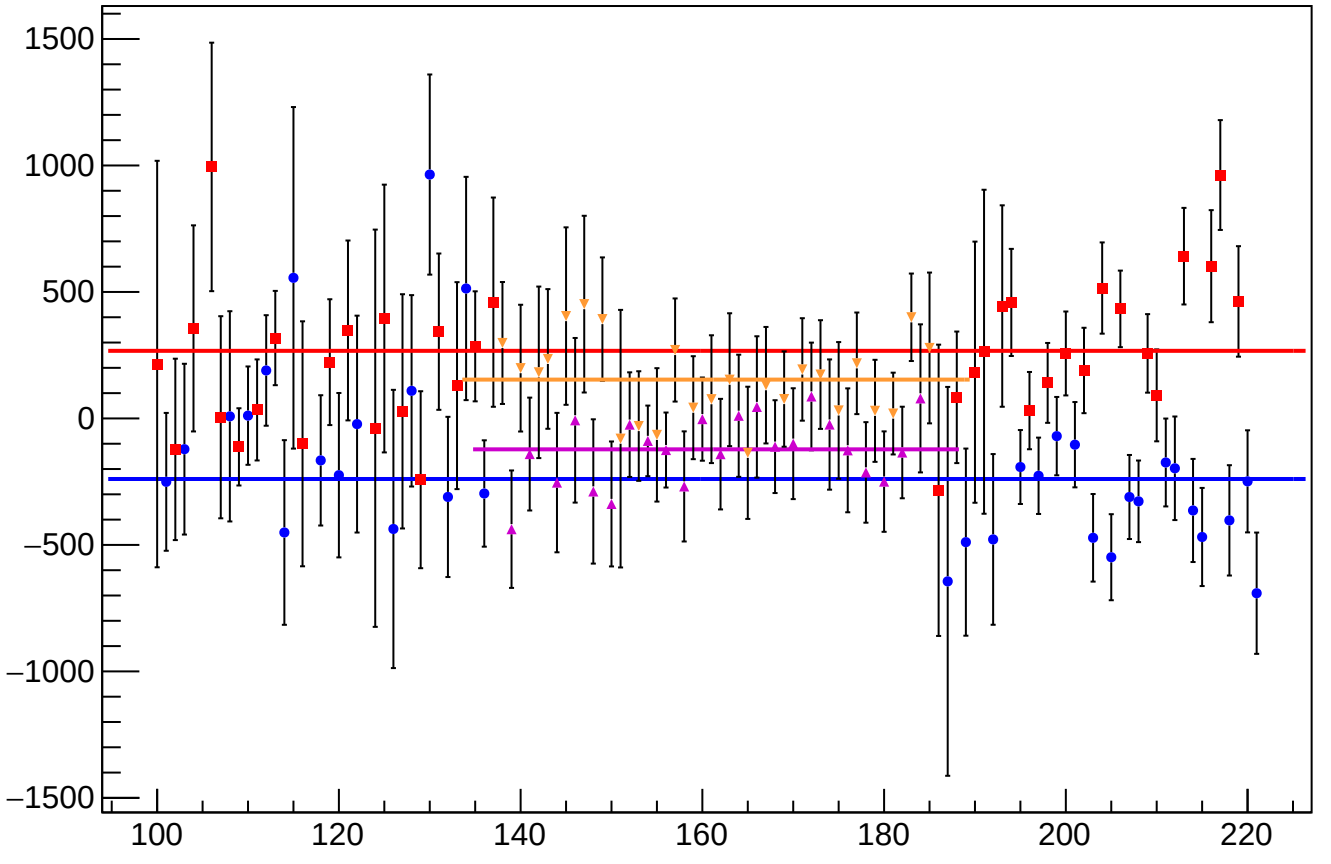
Right Out: 22.257+/-0.003 χ^2/NDF: 36187.9/36

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.325+/-0.002 χ^2/NDF: 48460.5/58

All: 22.337+/-0.002 χ^2/NDF: 105444.8/118

- sign 22.350+/-0.003 χ^2/NDF: 56934.0/59



Right In: -239.397+/-38.687 χ^2/NDF: 36.2/33

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: 267.242+/-39.058 χ^2/NDF: 42.1/36

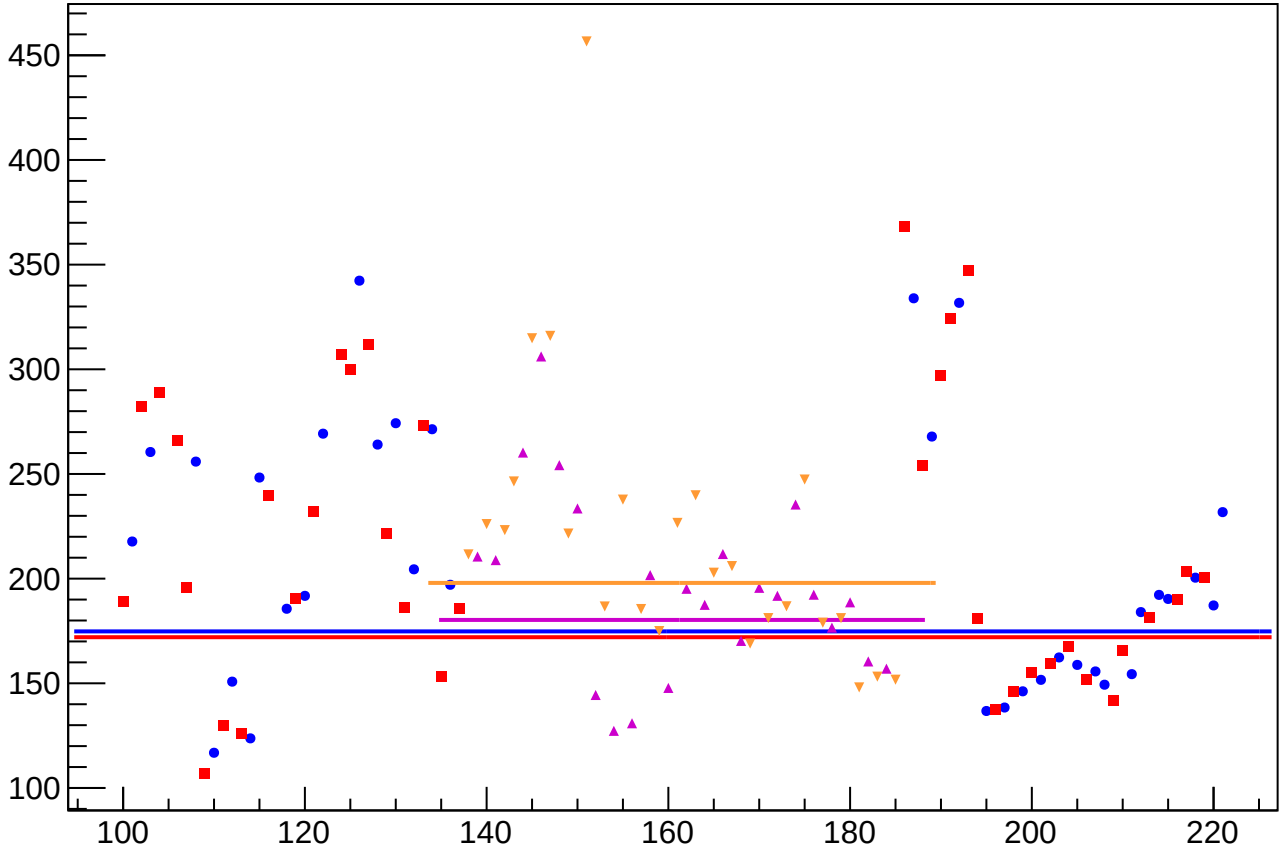
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

\+ sign -79.234+/-29.775 χ^2/NDF: 88.3/58

All: 9.883+/-20.852 χ^2/NDF: 199.2/118

\- sign 95.656+/-29.211 χ^2/NDF: 93.3/59

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.799+/-0.027 χ^2/NDF: 2499114.6/33

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

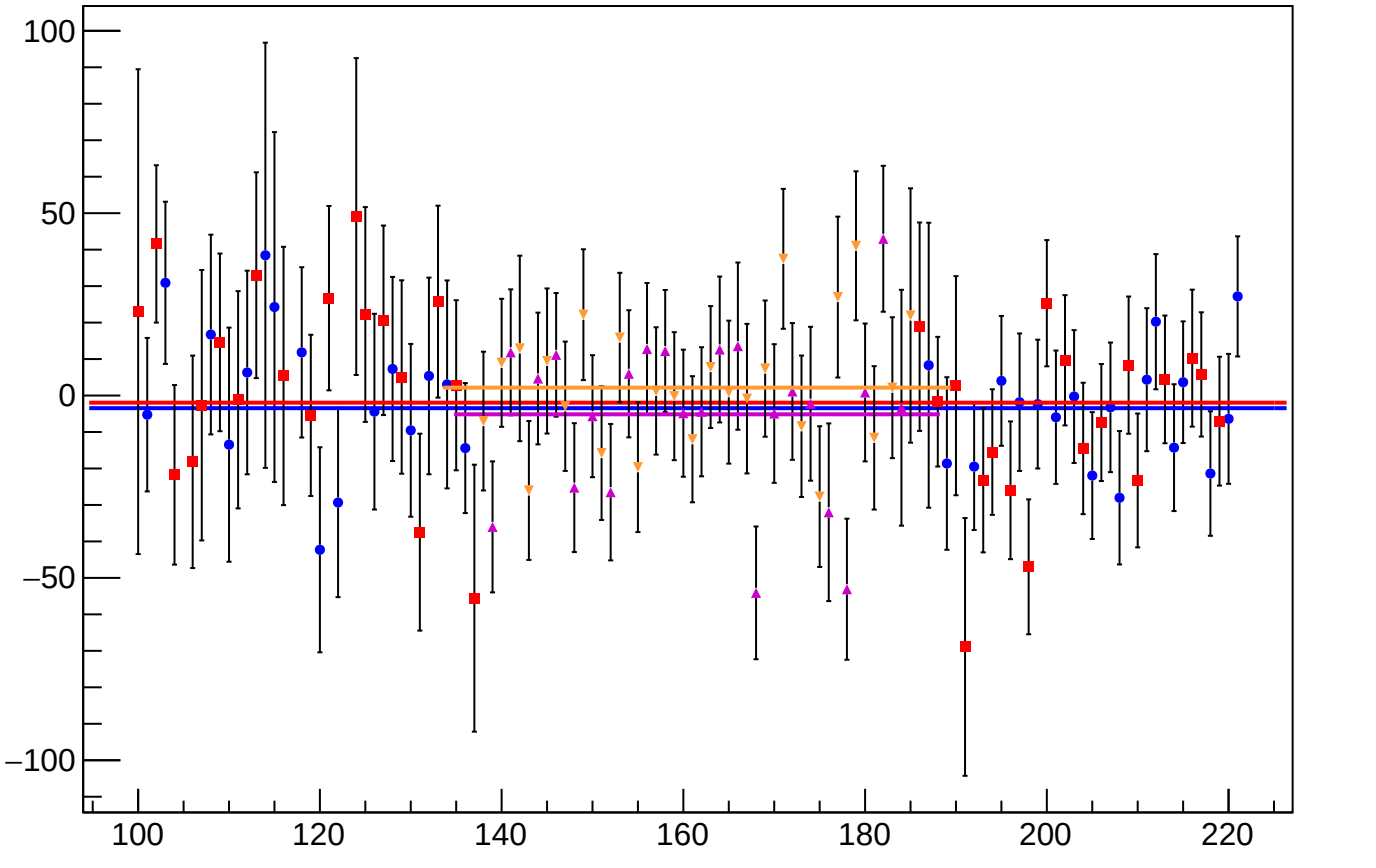
Right Out: 172.020+/-0.028 χ^2/NDF: 3108125.6/36

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 184.239+/-0.021 χ^2/NDF: 4582598.1/58

All: 179.866+/-0.015 χ^2/NDF: 9439425.9/118

- sign 175.657+/-0.021 χ^2/NDF: 4772165.7/59



Right In: -3.466+/-3.609 χ^2/NDF: 19.6/33

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -1.961+/-3.668 χ^2/NDF: 35.9/36

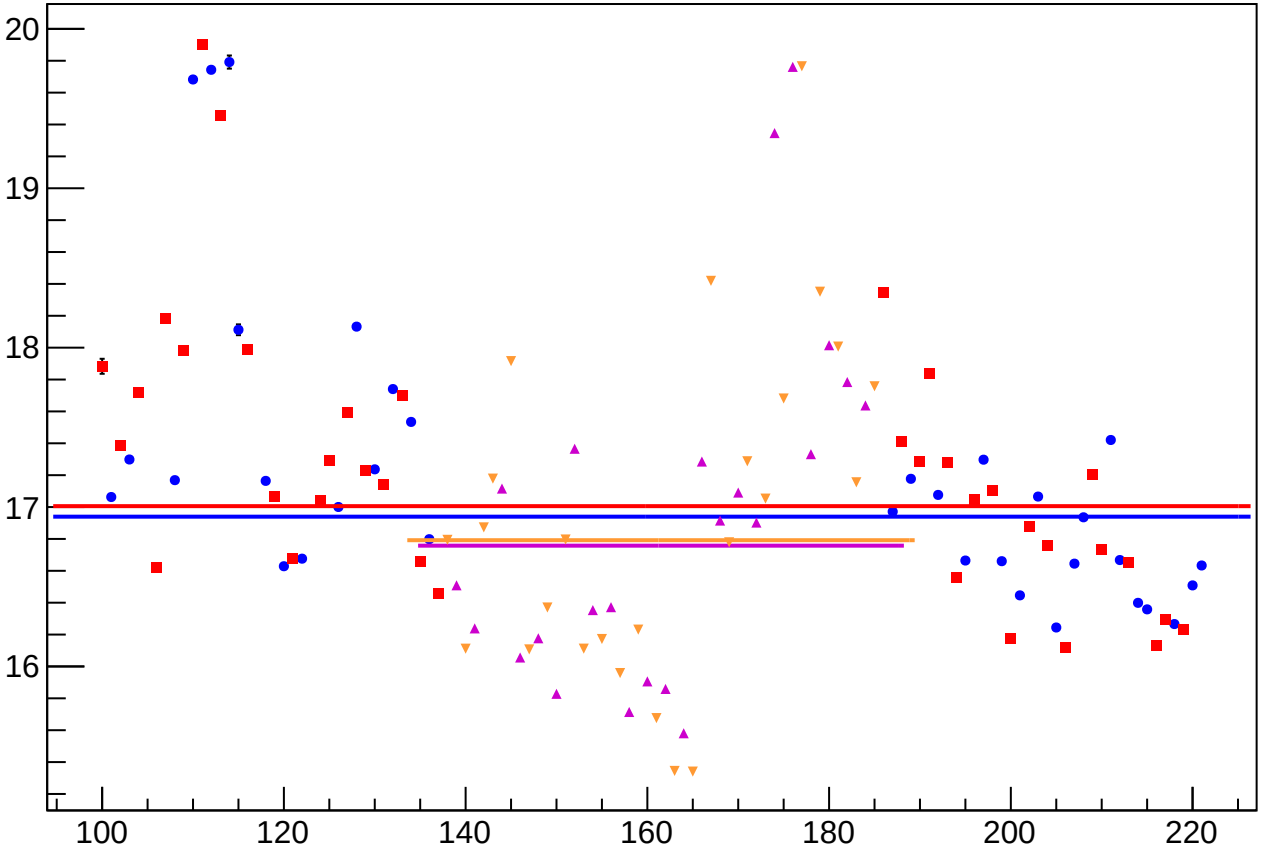
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.810+/-2.625 χ^2/NDF: 40.7/58

All: -2.102+/-1.875 χ^2/NDF: 109.7/118

- sign -3.448+/-2.679 χ^2/NDF: 68.5/59

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 16.940+/-0.003 χ^2/NDF: 67978.7/33

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

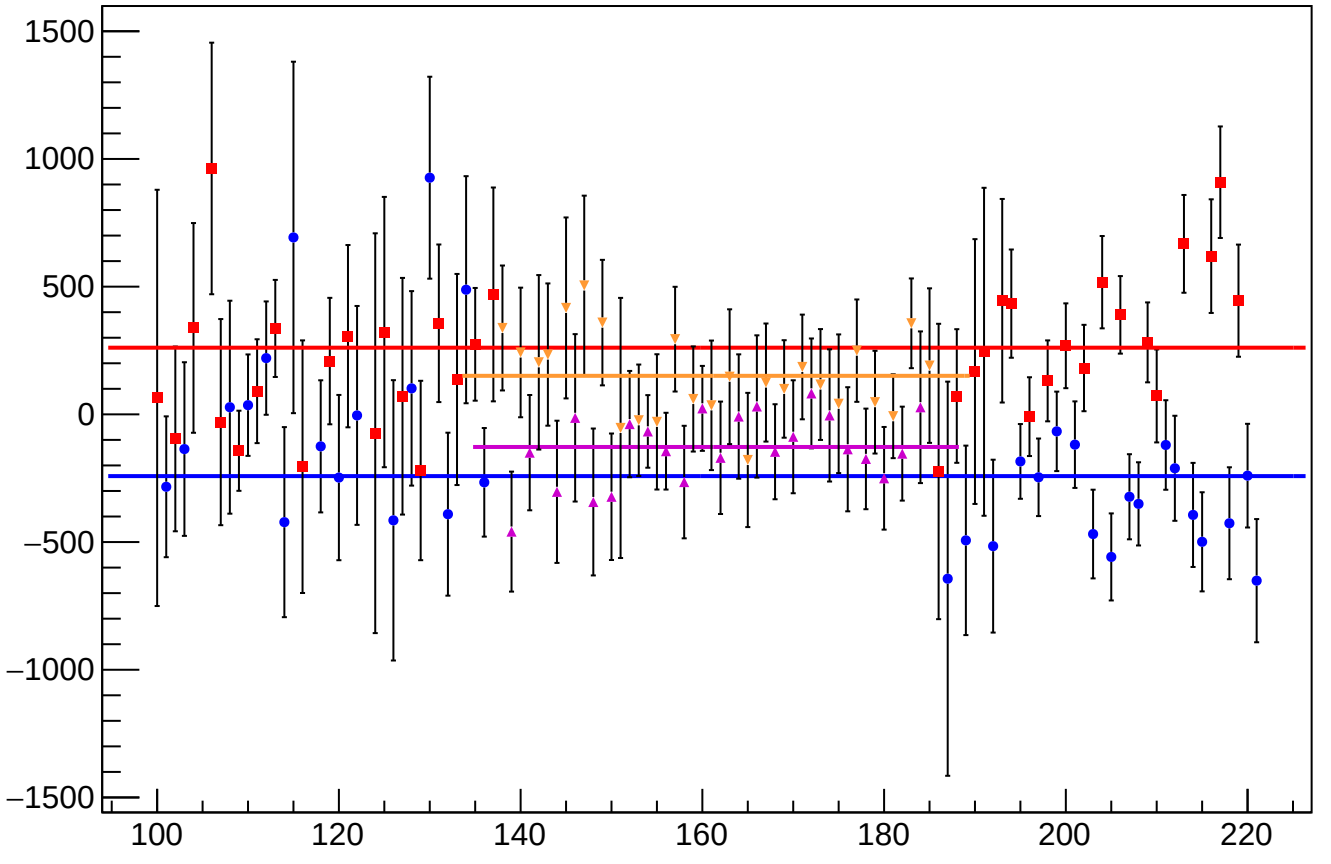
Right Out: 17.006+/-0.003 χ^2/NDF: 80656.9/36

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.870+/-0.002 χ^2/NDF: 206557.4/58

All: 16.880+/-0.001 χ^2/NDF: 414837.4/118

- sign 16.890+/-0.002 χ^2/NDF: 208223.2/59



Right In: -241.781+/-38.911 χ^2/NDF: 37.6/33

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 261.020+/-39.334 χ^2/NDF: 41.3/36

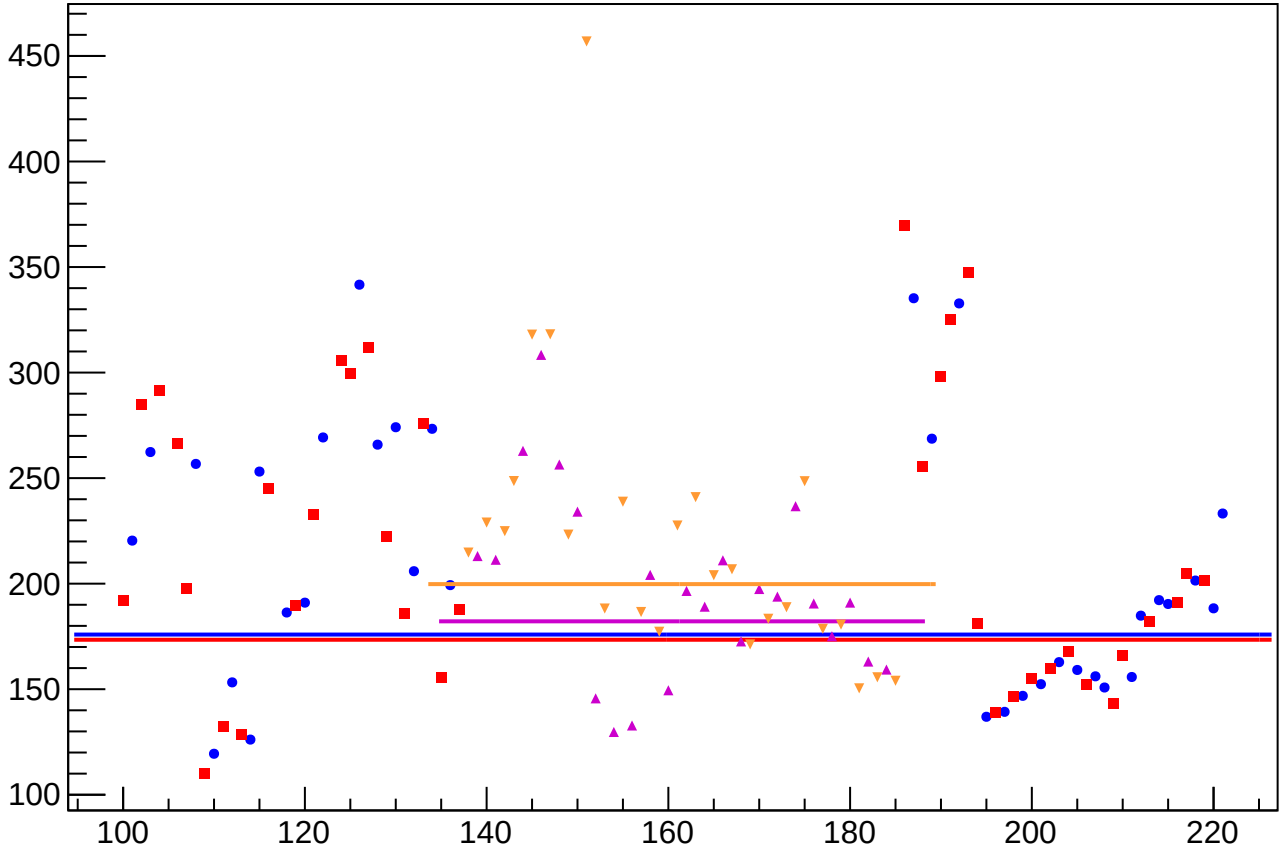
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -82.236+/-29.981 χ^2/NDF: 88.9/58

All: 5.525+/-21.010 χ^2/NDF: 197.8/118

- sign 90.201+/-29.450 χ^2/NDF: 92.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.884+/-0.028 χ^2/NDF: 2473081.4/33

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

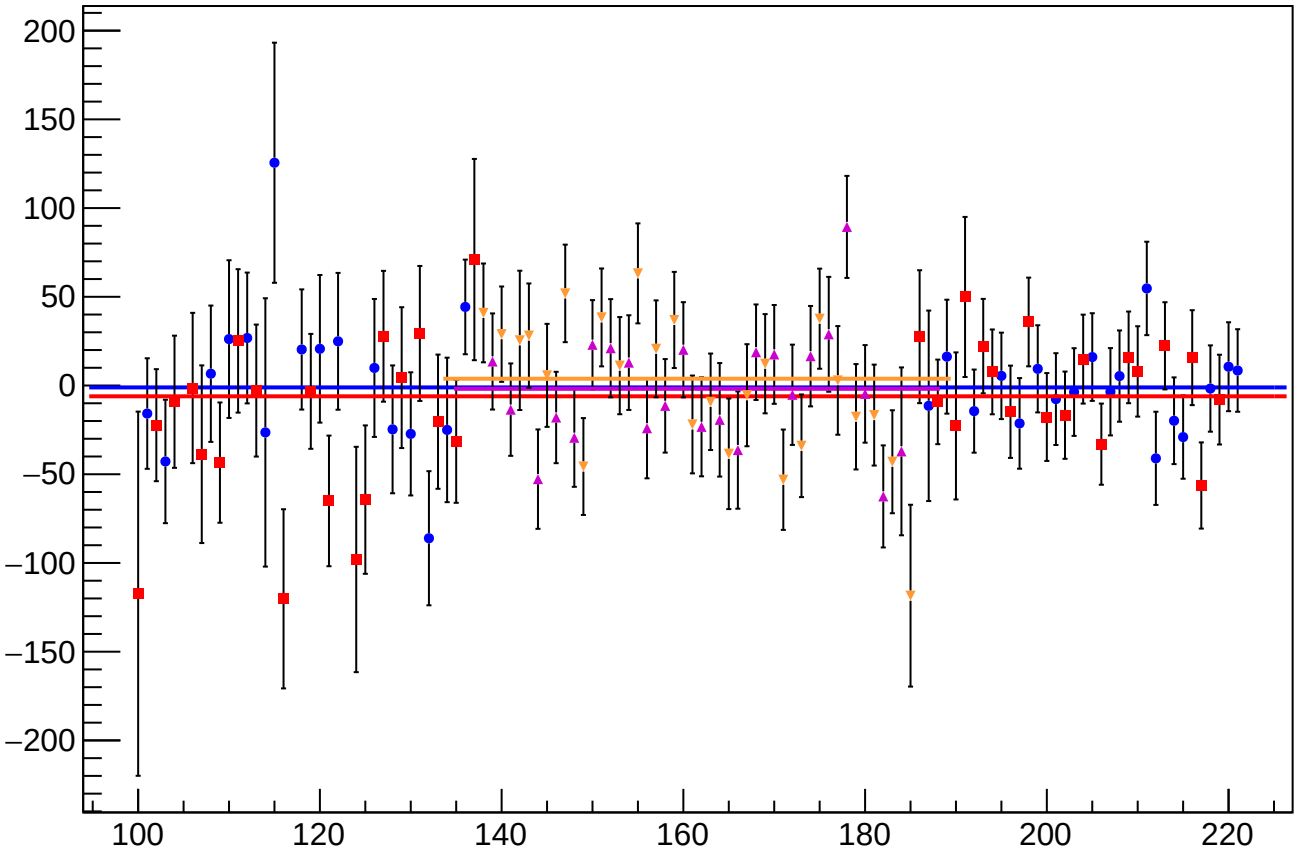
Right Out: 173.427+/-0.028 χ^2/NDF: 3036505.4/36

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 185.595+/-0.021 χ^2/NDF: 4539996.6/58

All: 181.353+/-0.015 χ^2/NDF: 9282750.0/118

- sign 177.260+/-0.021 χ^2/NDF: 4664084.0/59



Right In: -1.064+/-5.081 χ^2/NDF: 28.1/33

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

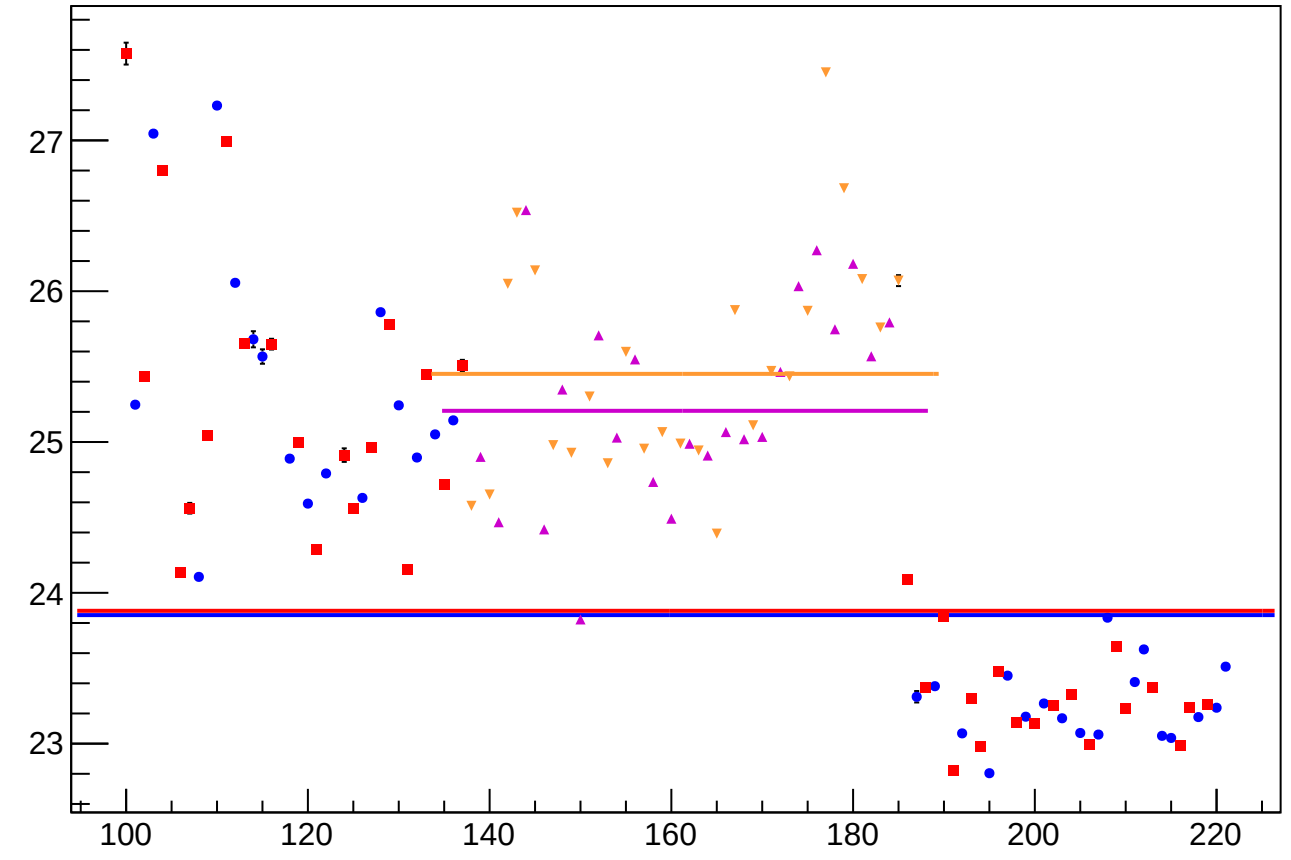
Right Out: -6.078+/-5.149 χ^2/NDF: 36.5/36

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.066+/-3.819 χ^2/NDF: 66.2/58

All: -1.550+/-2.721 χ^2/NDF: 131.9/118

- sign -4.247+/-3.877 χ^2/NDF: 64.8/59



Right In: 23.852+/-0.004 χ^2/NDF: 87650.4/33

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

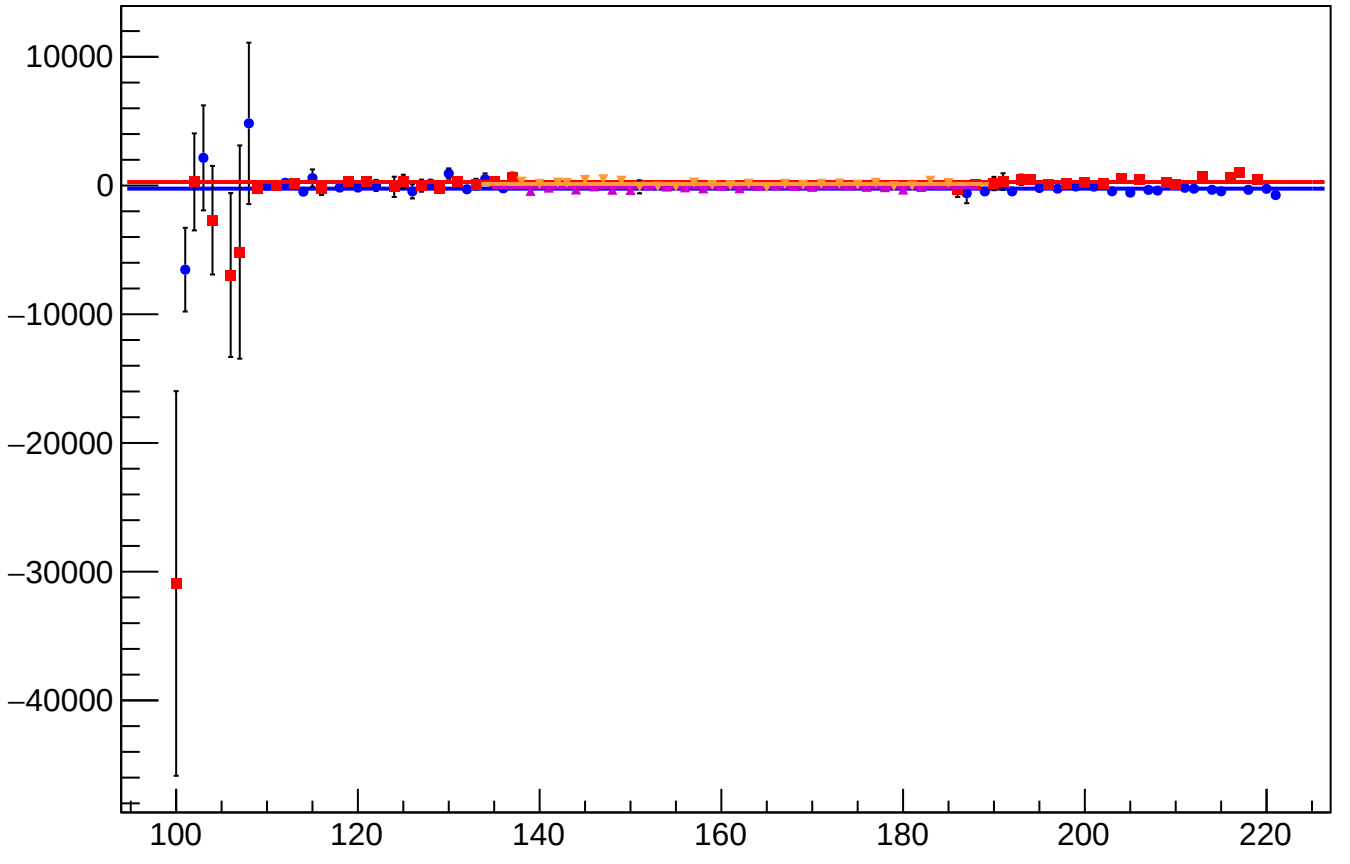
Right Out: 23.881+/-0.004 χ^2/NDF: 80045.1/36

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.548+/-0.003 χ^2/NDF: 203512.7/58

All: 24.502+/-0.002 χ^2/NDF: 367405.4/118

- sign 24.455+/-0.003 χ^2/NDF: 163301.4/59



Right In: -240.584+/-40.432 χ^2/NDF: 39.5/33

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 276.074+/-41.344 χ^2/NDF: 46.4/36

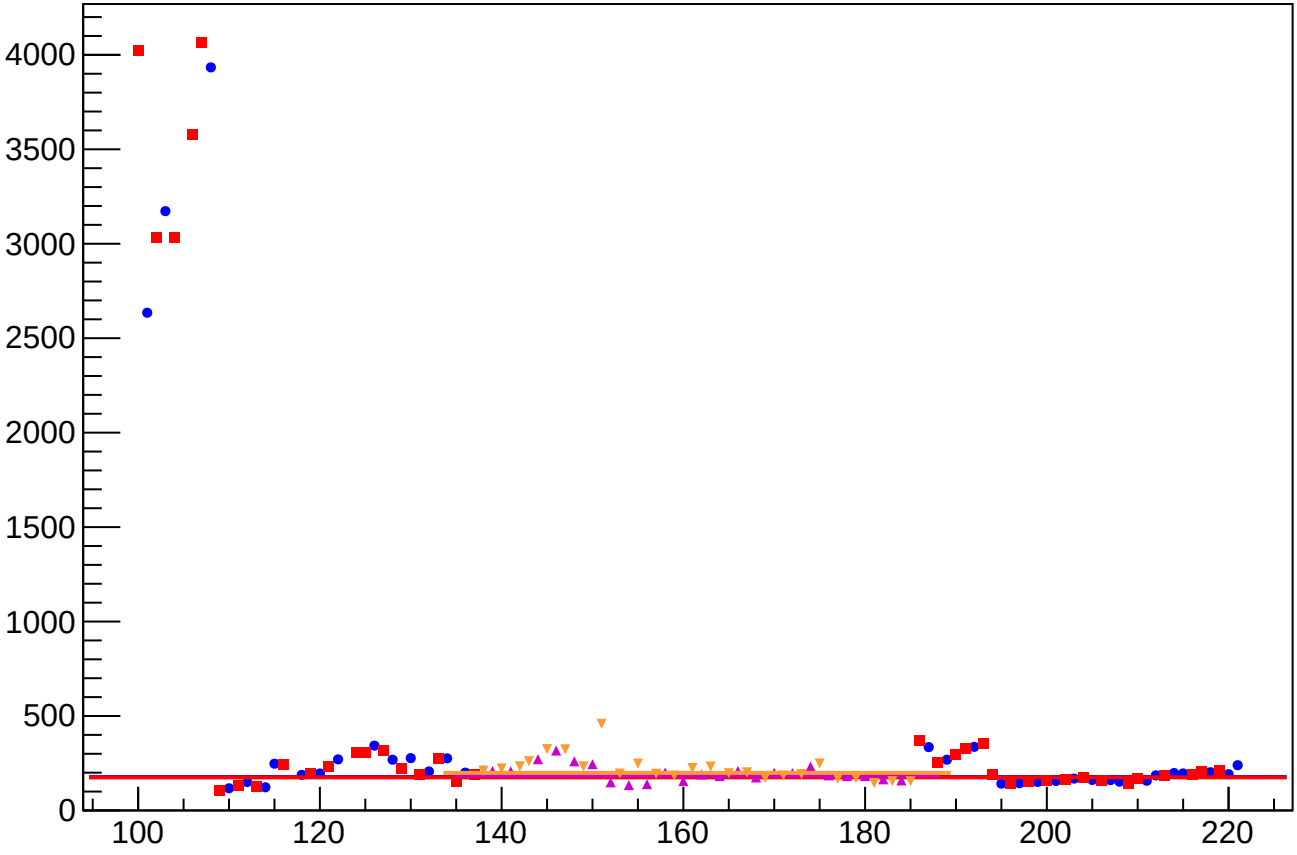
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -84.747+/-30.631 χ^2/NDF: 85.5/58

All: 6.023+/-21.579 χ^2/NDF: 198.8/118

- sign 95.461+/-30.405 χ^2/NDF: 95.9/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 176.960+/-0.029 χ^2/NDF: 5115484.4/33

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

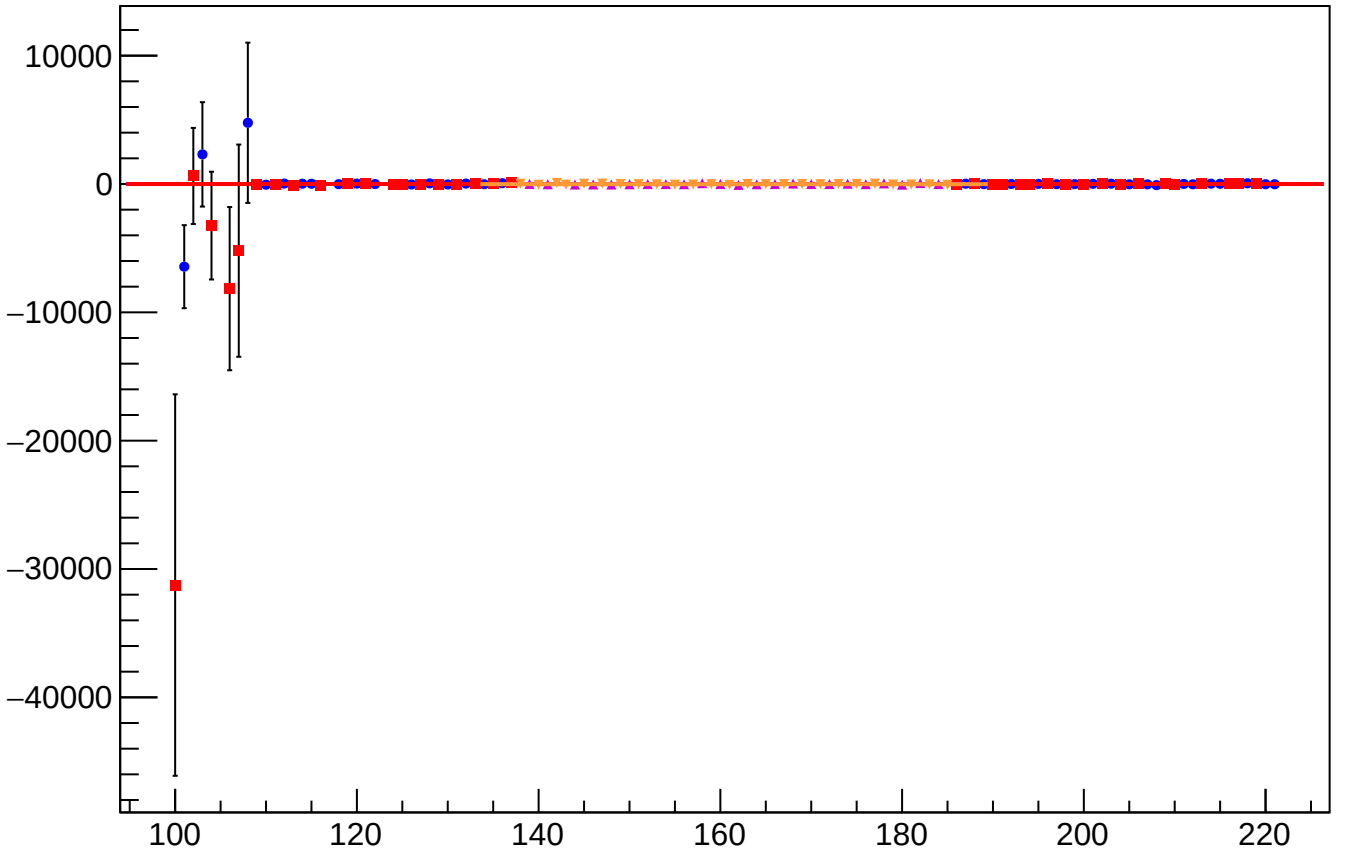
Right Out: 175.248+/-0.029 χ^2/NDF: 5693751.9/36

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 186.348+/-0.022 χ^2/NDF: 7270714.1/58

All: 182.873+/-0.015 χ^2/NDF: 14506849.7/11

- sign 179.450+/-0.021 χ^2/NDF: 7185040.1/59



Right In: -0.436+/-6.088 χ^2/NDF: 35.0/33

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -2.084+/-6.233 χ^2/NDF: 43.4/36

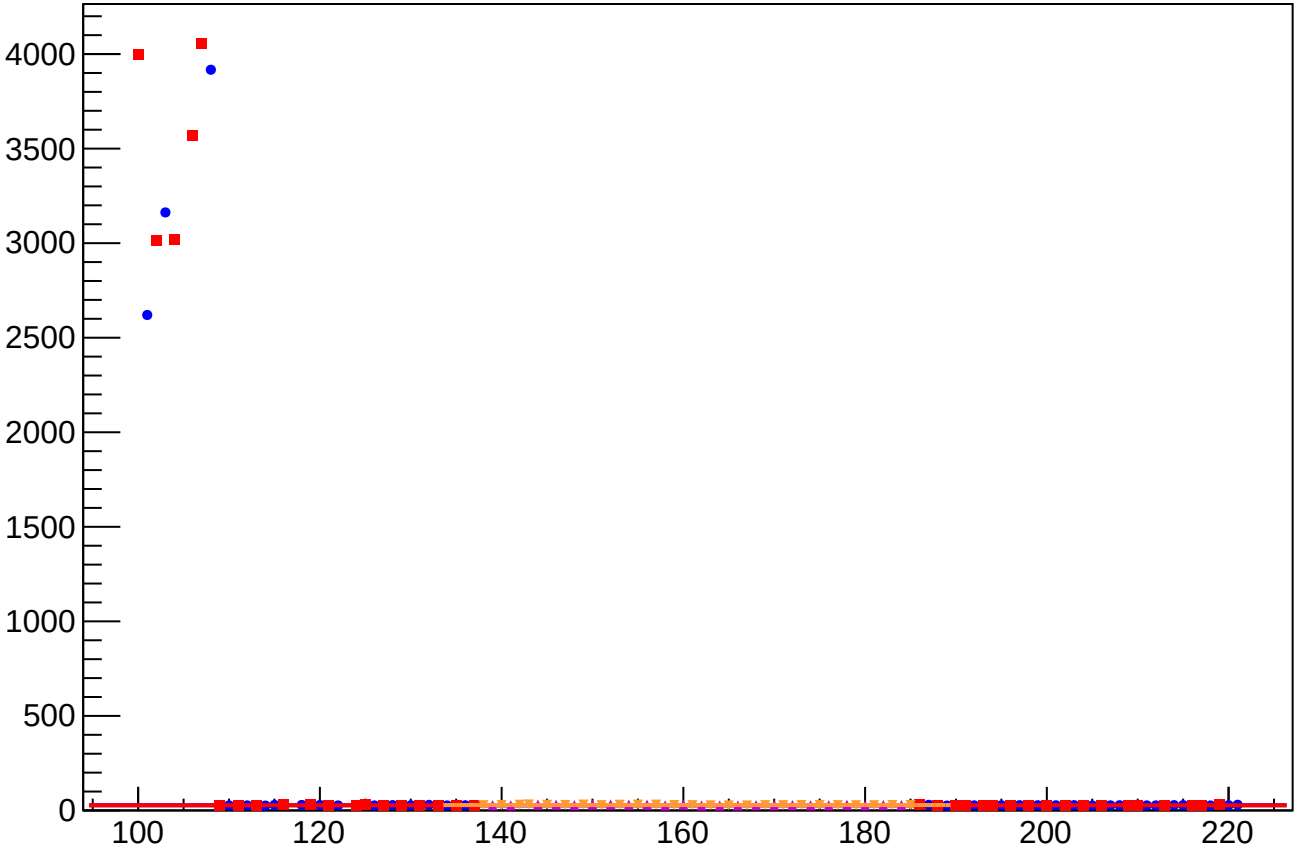
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -7.148+/-4.447 χ^2/NDF: 59.8/58

All: -4.702+/-3.185 χ^2/NDF: 132.1/118

- sign -2.125+/-4.565 χ^2/NDF: 71.6/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.499+/-0.004 χ^2/NDF: 3304056.1/33

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

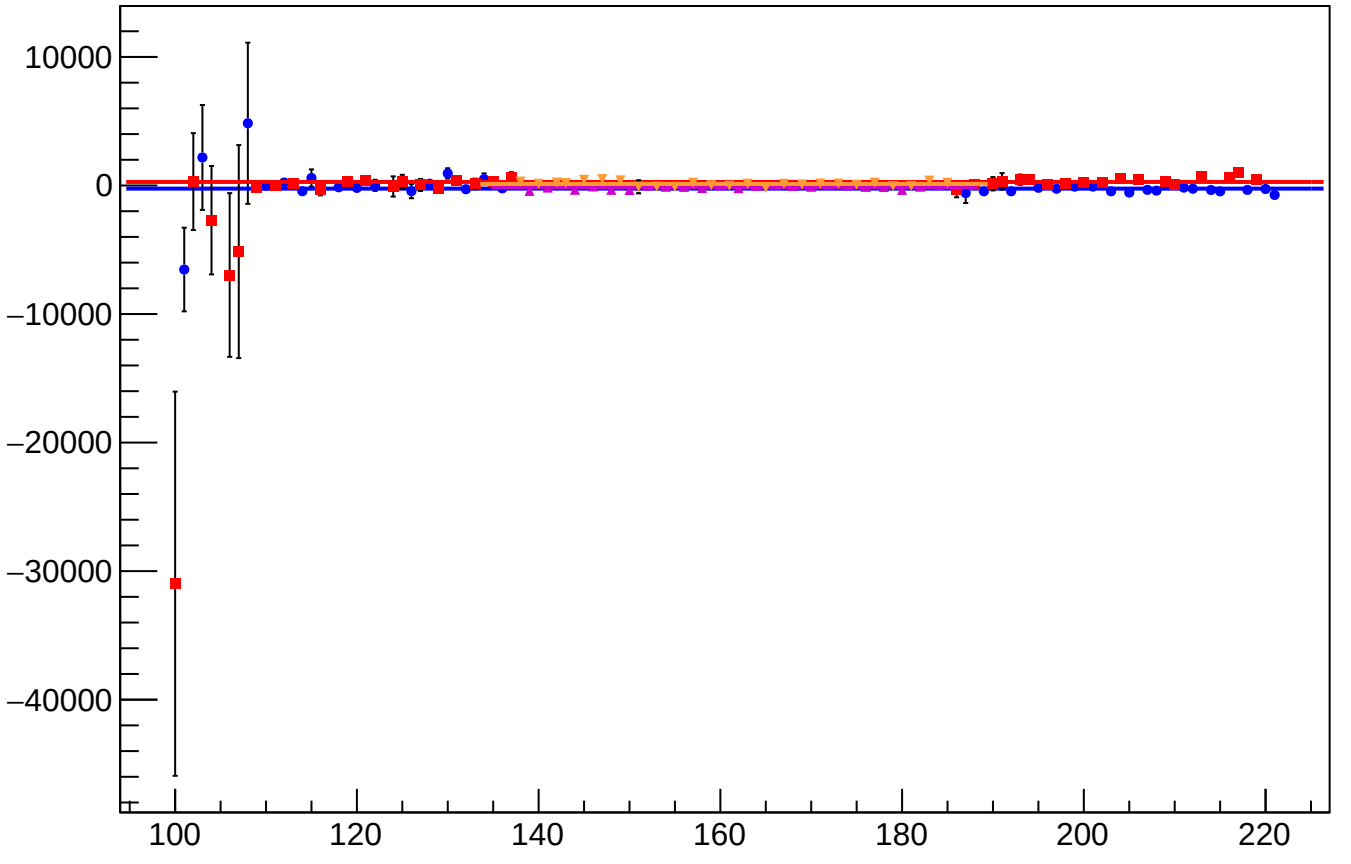
Right Out: 27.456+/-0.004 χ^2/NDF: 3623757.3/36

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.006+/-0.003 χ^2/NDF: 3421895.7/58

All: 27.998+/-0.002 χ^2/NDF: 7200151.6/118

- sign 27.989+/-0.003 χ^2/NDF: 3778242.1/59



Right In: -242.751+/-40.315 χ^2/NDF: 40.1/33

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 276.985+/-41.228 χ^2/NDF: 47.4/36

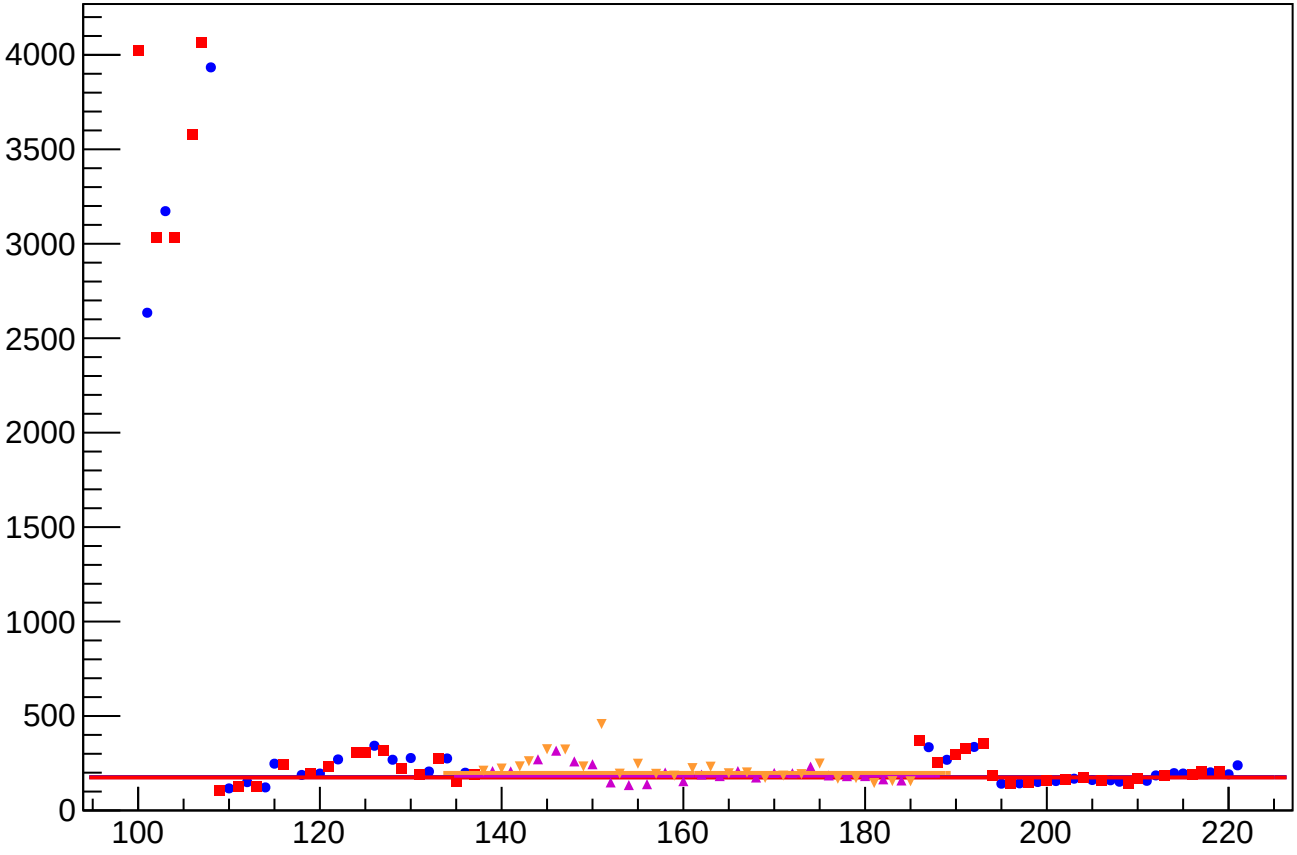
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -87.509+/-30.552 χ^2/NDF: 86.9/58

All: 5.213+/-21.525 χ^2/NDF: 202.7/118

- sign 96.610+/-30.332 χ^2/NDF: 97.5/59

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 176.412+/-0.029 χ^2/NDF: 5129681.4/33

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

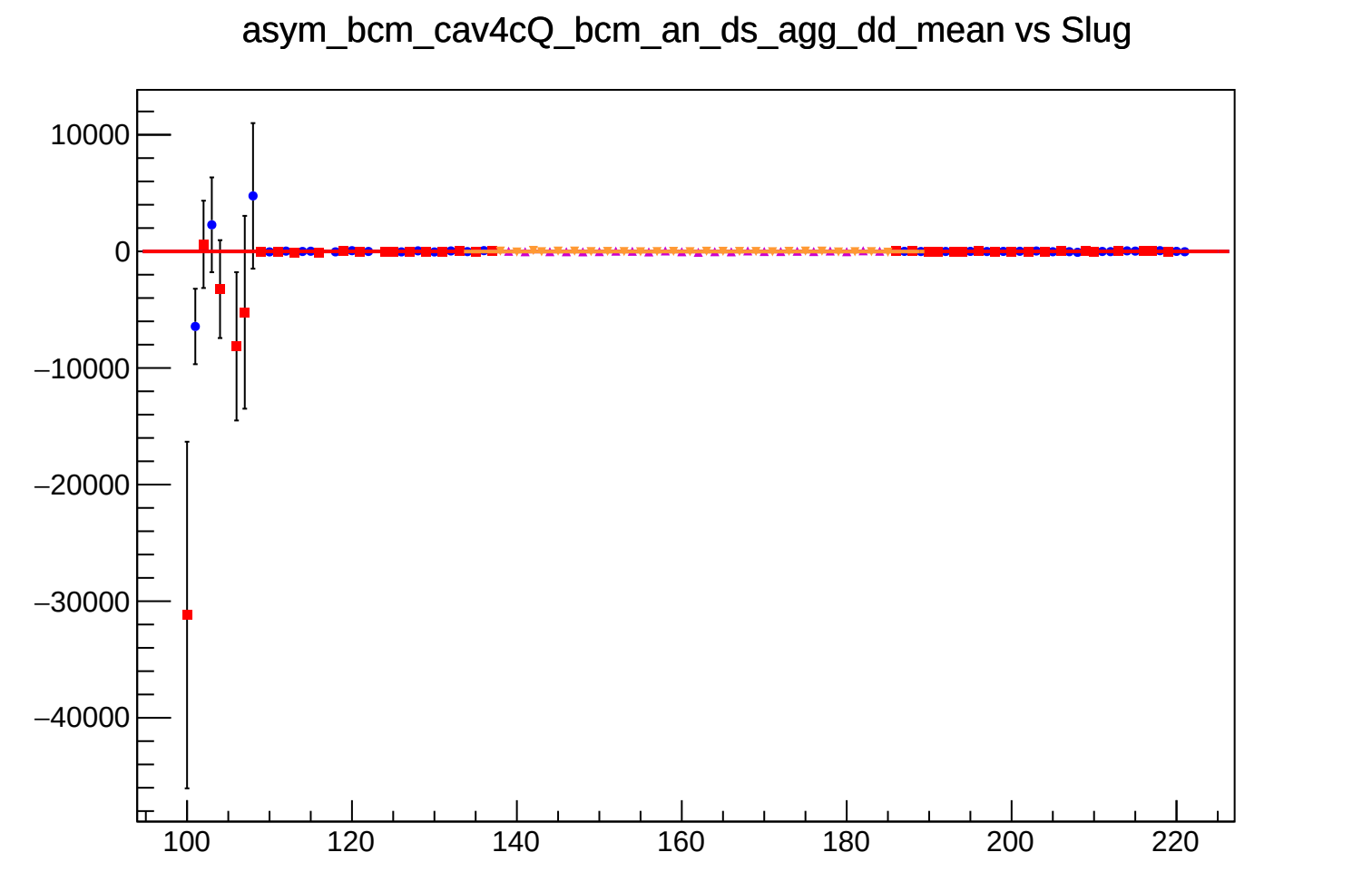
Right Out: 174.713+/-0.029 χ^2/NDF: 5713117.1/36

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 185.845+/-0.022 χ^2/NDF: 7288386.3/58

All: 182.396+/-0.015 χ^2/NDF: 14544617.4/11

- sign 178.996+/-0.021 χ^2/NDF: 7205609.5/59



Right In: 0.545+/-6.048 χ^2/NDF: 39.2/33

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -3.309+/-6.198 χ^2/NDF: 41.4/36

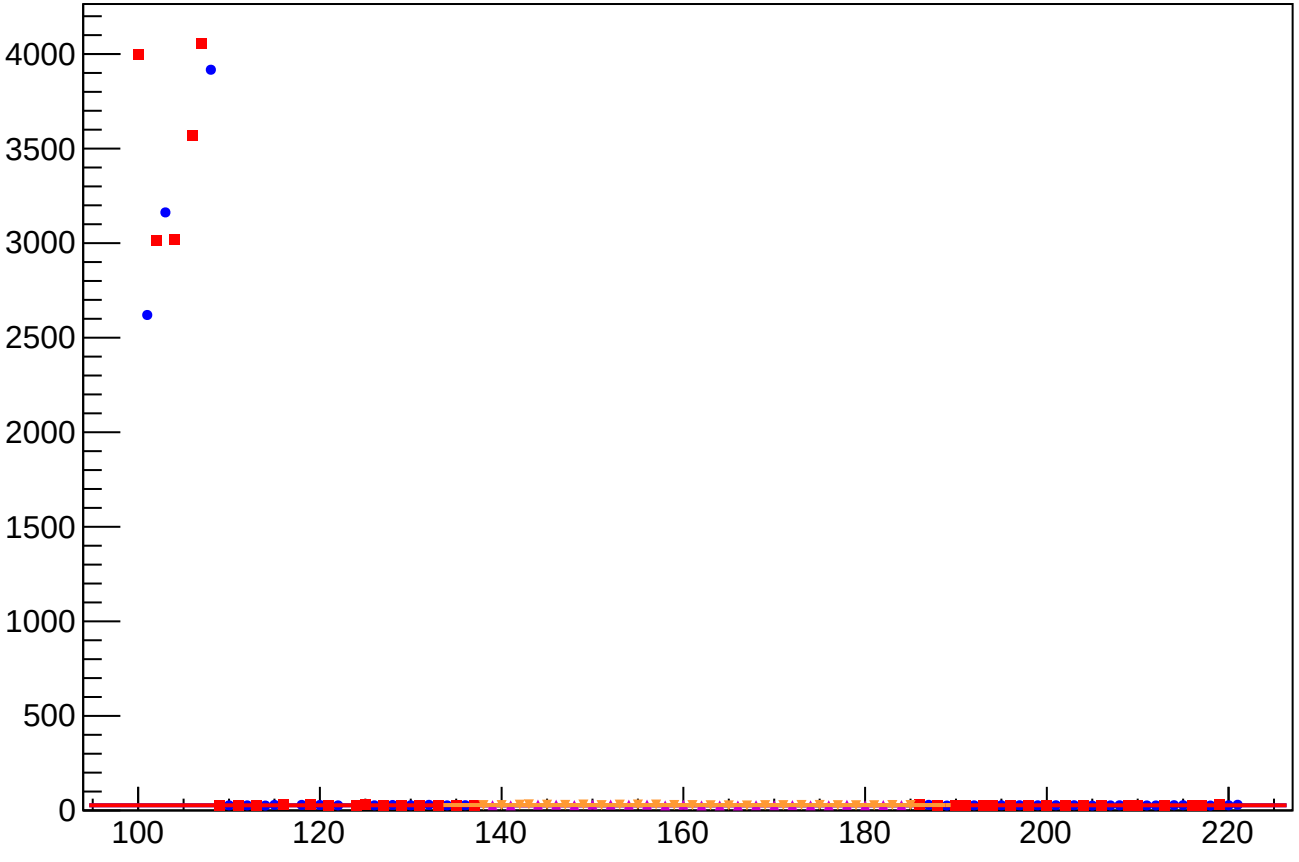
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -5.174+/-4.441 χ^2/NDF: 59.0/58

All: -4.103+/-3.181 χ^2/NDF: 122.7/118

- sign -2.973+/-4.560 χ^2/NDF: 63.6/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.317+/-0.004 χ^2/NDF: 3312689.9/33

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

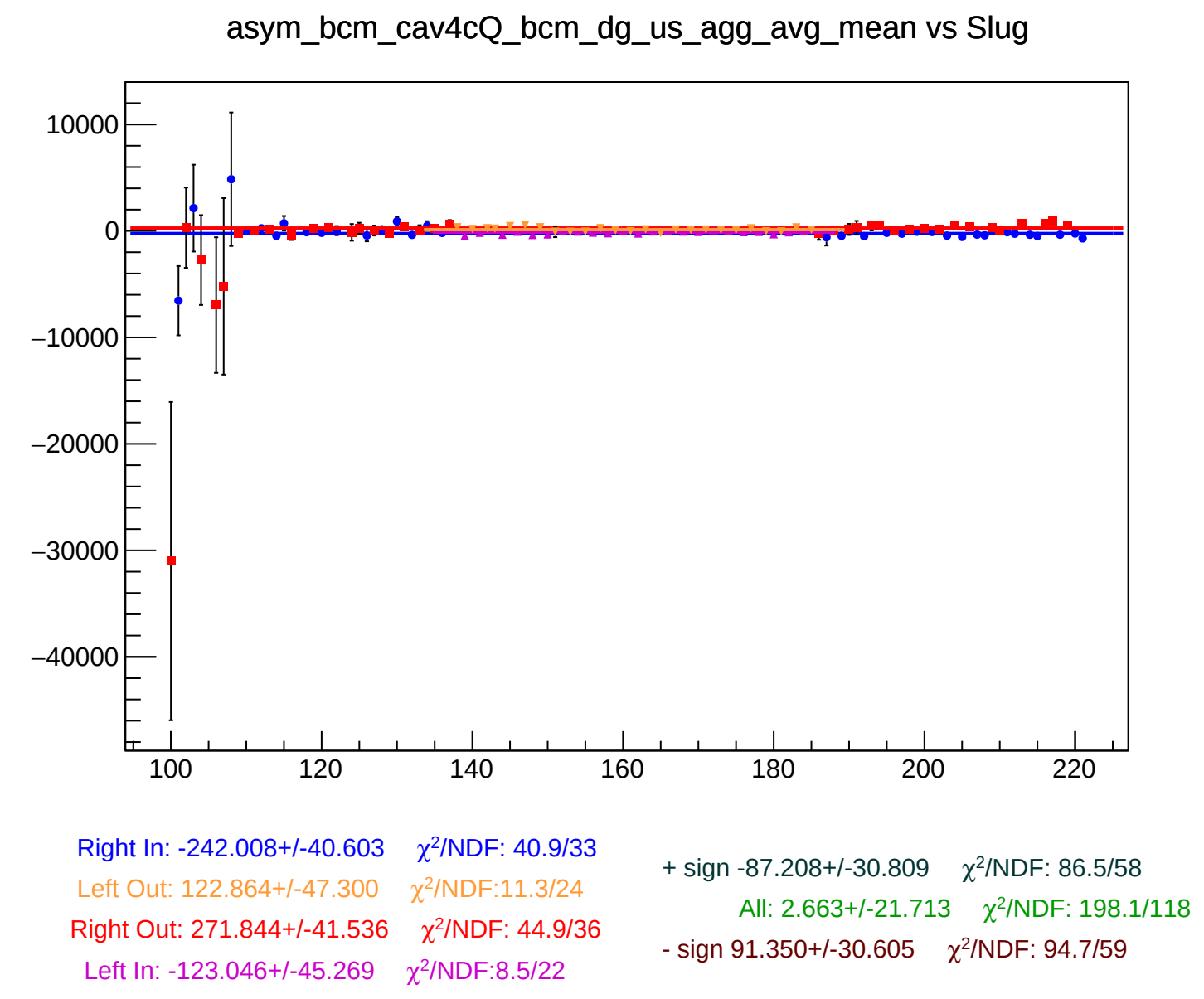
Right Out: 27.302+/-0.004 χ^2/NDF: 3626140.8/36

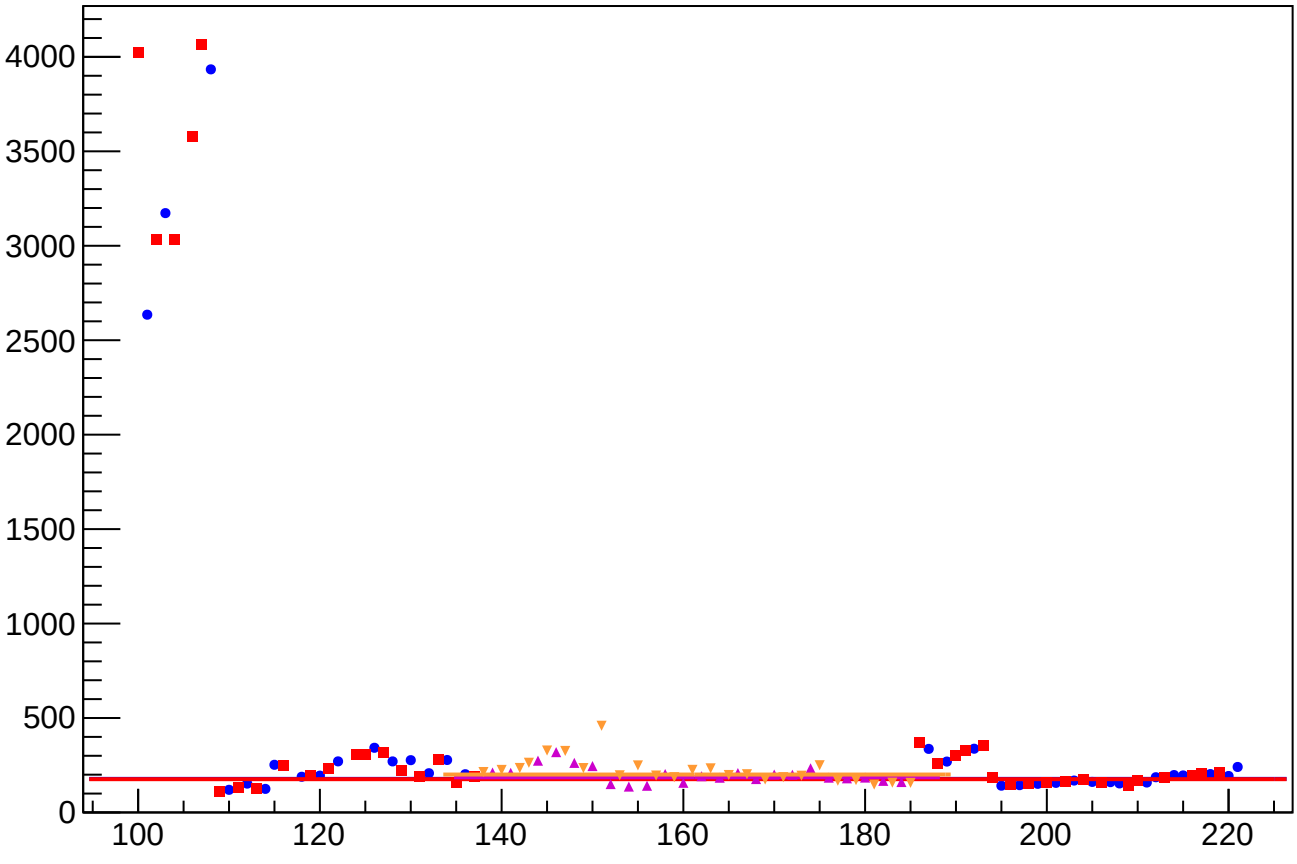
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.958+/-0.003 χ^2/NDF: 3460247.4/58

All: 27.957+/-0.002 χ^2/NDF: 7262324.1/118

\- sign 27.956+/-0.003 χ^2/NDF: 3802076.5/59


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -242.008+/-40.603 χ²/NDF: 40.9/33
Left Out: 122.864+/-47.300 χ²/NDF:11.3/24
Right Out: 271.844+/-41.536 χ²/NDF: 44.9/36
Left In: -123.046+/-45.269 χ²/NDF:8.5/22
+ sign -87.208+/-30.809 χ²/NDF: 86.5/58
All: 2.663+/-21.713 χ²/NDF: 198.1/118
- sign 91.350+/-30.605 χ²/NDF: 94.7/59



Right In: 177.774+/-0.029 χ^2/NDF: 5092640.1/33

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

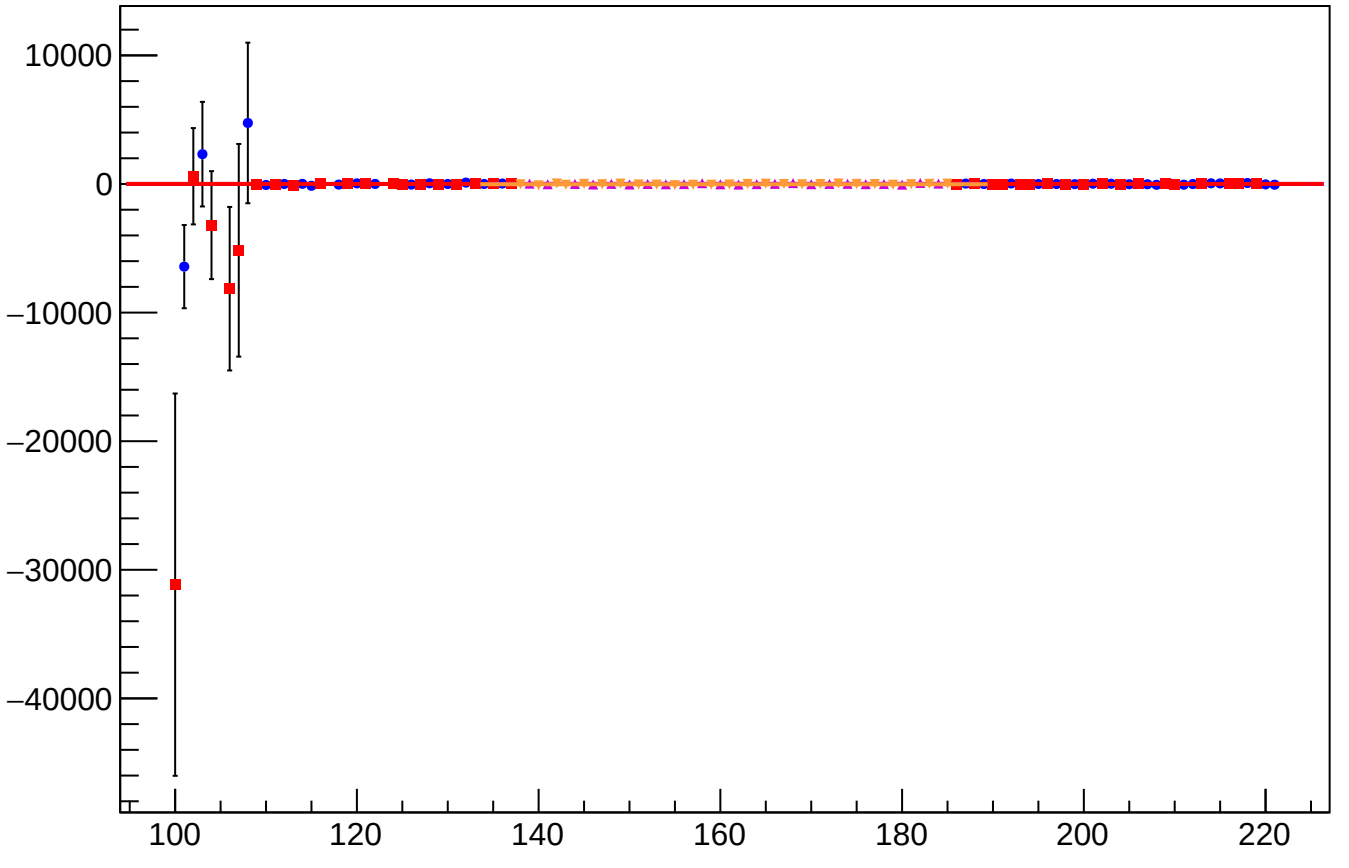
Right Out: 176.191+/-0.029 χ^2/NDF: 5648247.0/36

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 187.494+/-0.022 χ^2/NDF: 7242916.6/58

All: 184.101+/-0.015 χ^2/NDF: 14405509.7/11

- sign 180.752+/-0.022 χ^2/NDF: 7114383.7/59



Right In: 2.427+/-7.362 χ^2/NDF: 38.2/33

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 6.079+/-7.555 χ^2/NDF: 39.3/36

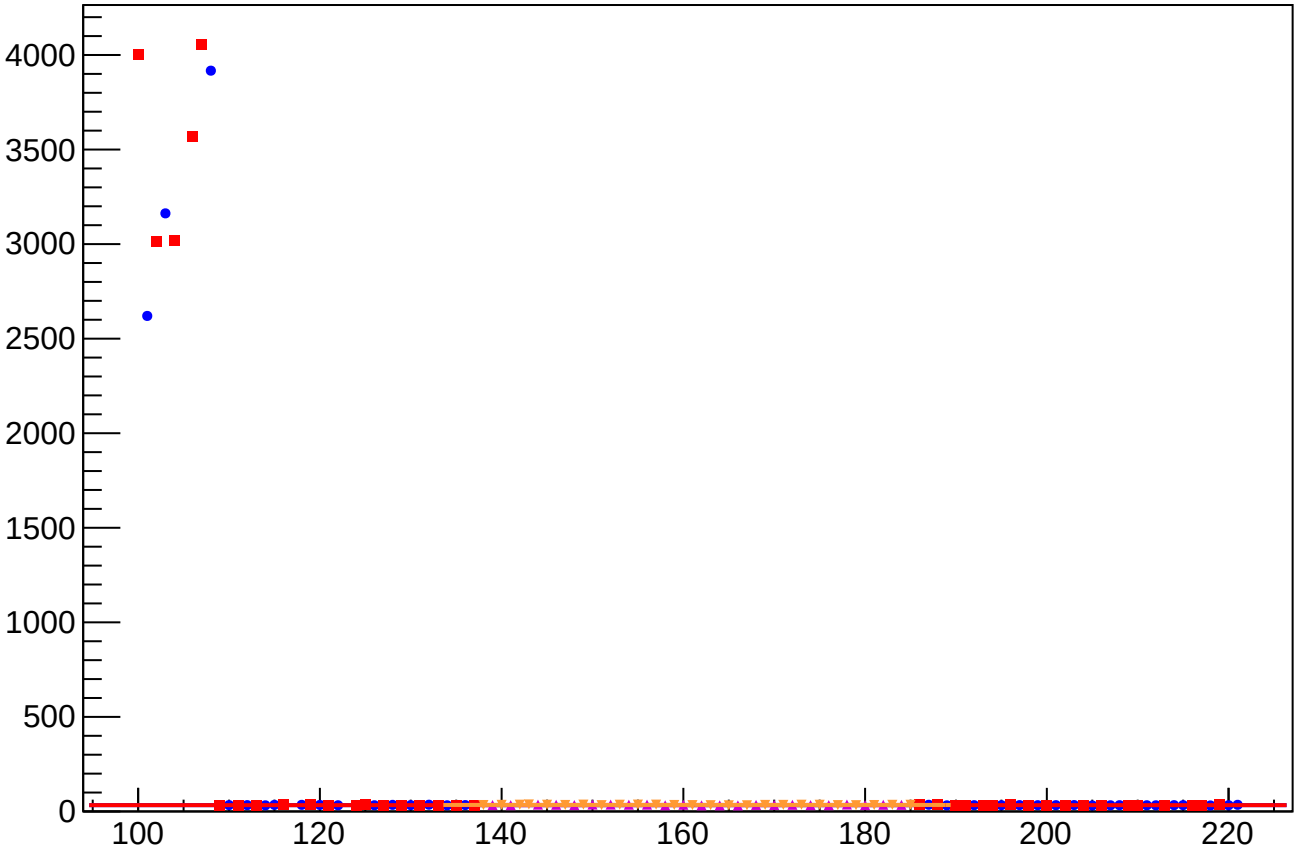
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -8.664+/-5.365 χ^2/NDF: 66.0/58

All: -1.966+/-3.847 χ^2/NDF: 127.4/118

\- sign 5.123+/-5.520 χ^2/NDF: 58.2/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.282+/-0.005 χ^2/NDF: 3267336.9/33

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

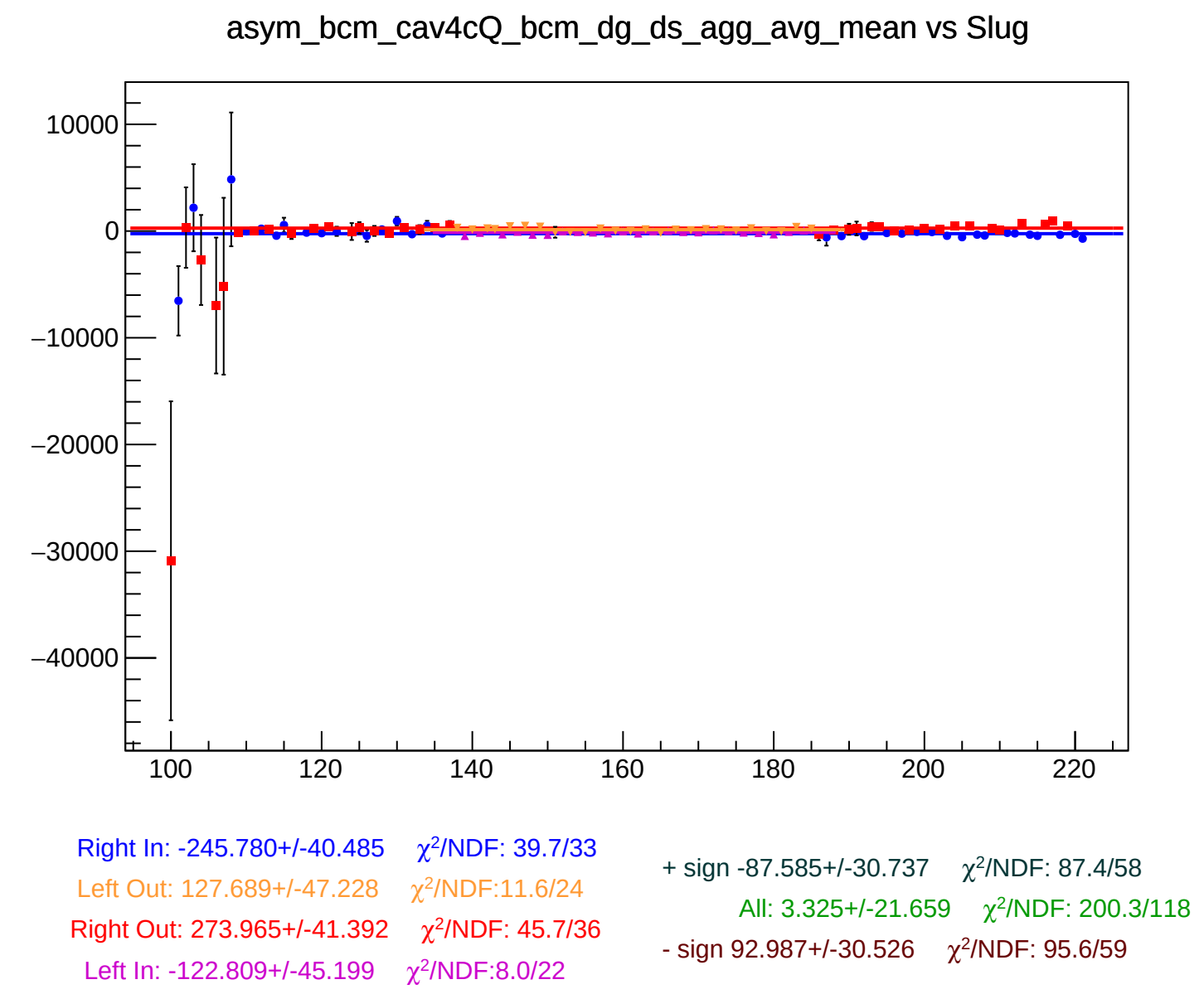
Right Out: 33.331+/-0.005 χ^2/NDF: 3563378.2/36

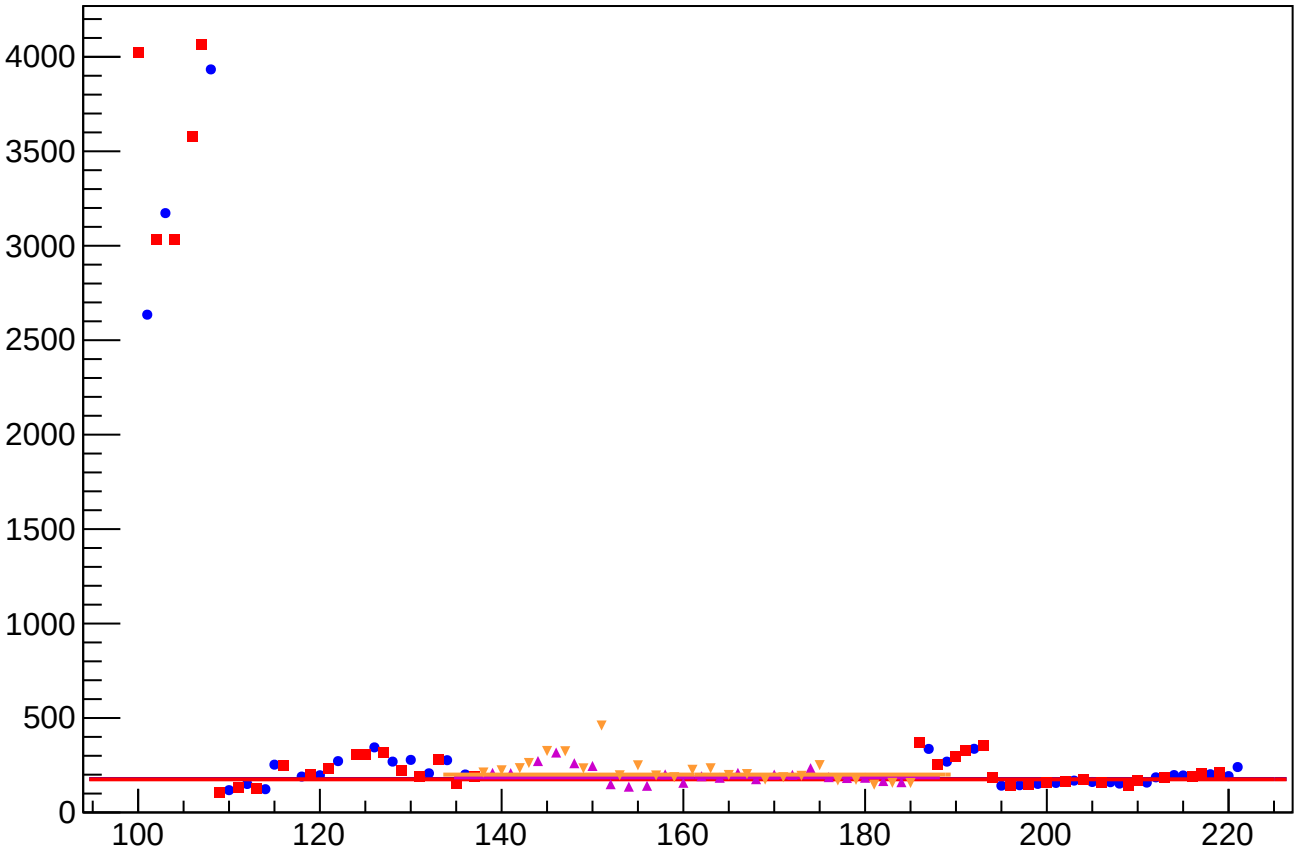
Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.825+/-0.004 χ^2/NDF: 3335151.7/58

All: 33.861+/-0.003 χ^2/NDF: 6982369.7/118

- sign 33.900+/-0.004 χ^2/NDF: 3647024.8/59


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -245.780+/-40.485 χ²/NDF: 39.7/33
Left Out: 127.689+/-47.228 χ²/NDF:11.6/24
Right Out: 273.965+/-41.392 χ²/NDF: 45.7/36
Left In: -122.809+/-45.199 χ²/NDF:8.0/22
+ sign -87.585+/-30.737 χ²/NDF: 87.4/58
All: 3.325+/-21.659 χ²/NDF: 200.3/118
- sign 92.987+/-30.526 χ²/NDF: 95.6/59



Right In: 177.175+/-0.029 χ^2/NDF: 5124879.3/33

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

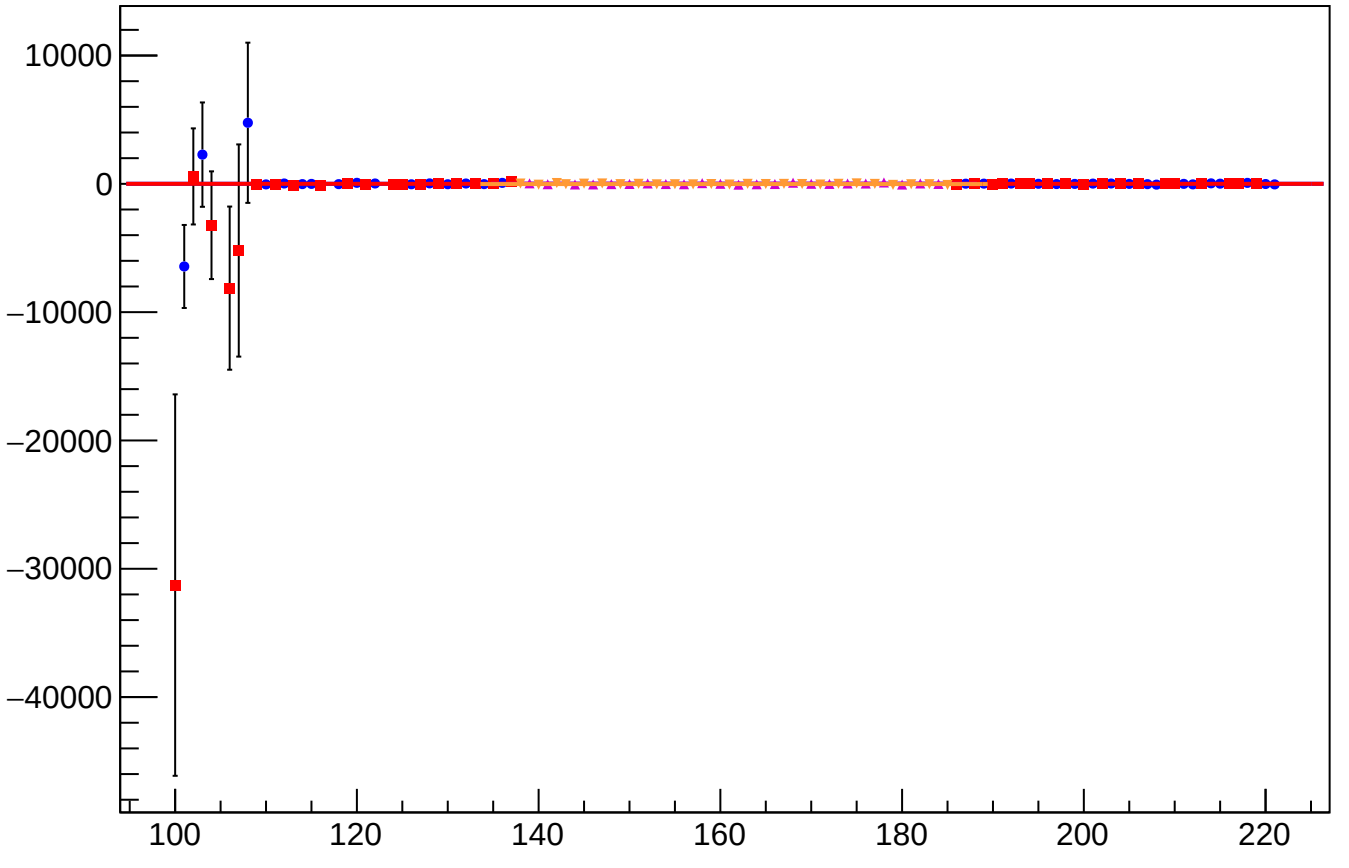
Right Out: 175.448+/-0.029 χ^2/NDF: 5700465.6/36

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 187.001+/-0.022 χ^2/NDF: 7279542.6/58

All: 183.578+/-0.015 χ^2/NDF: 14492638.1/11

- sign 180.202+/-0.022 χ^2/NDF: 7163840.4/59



Right In: 4.341+/-6.661 χ^2/NDF: 34.0/33

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 2.467+/-6.833 χ^2/NDF: 46.5/36

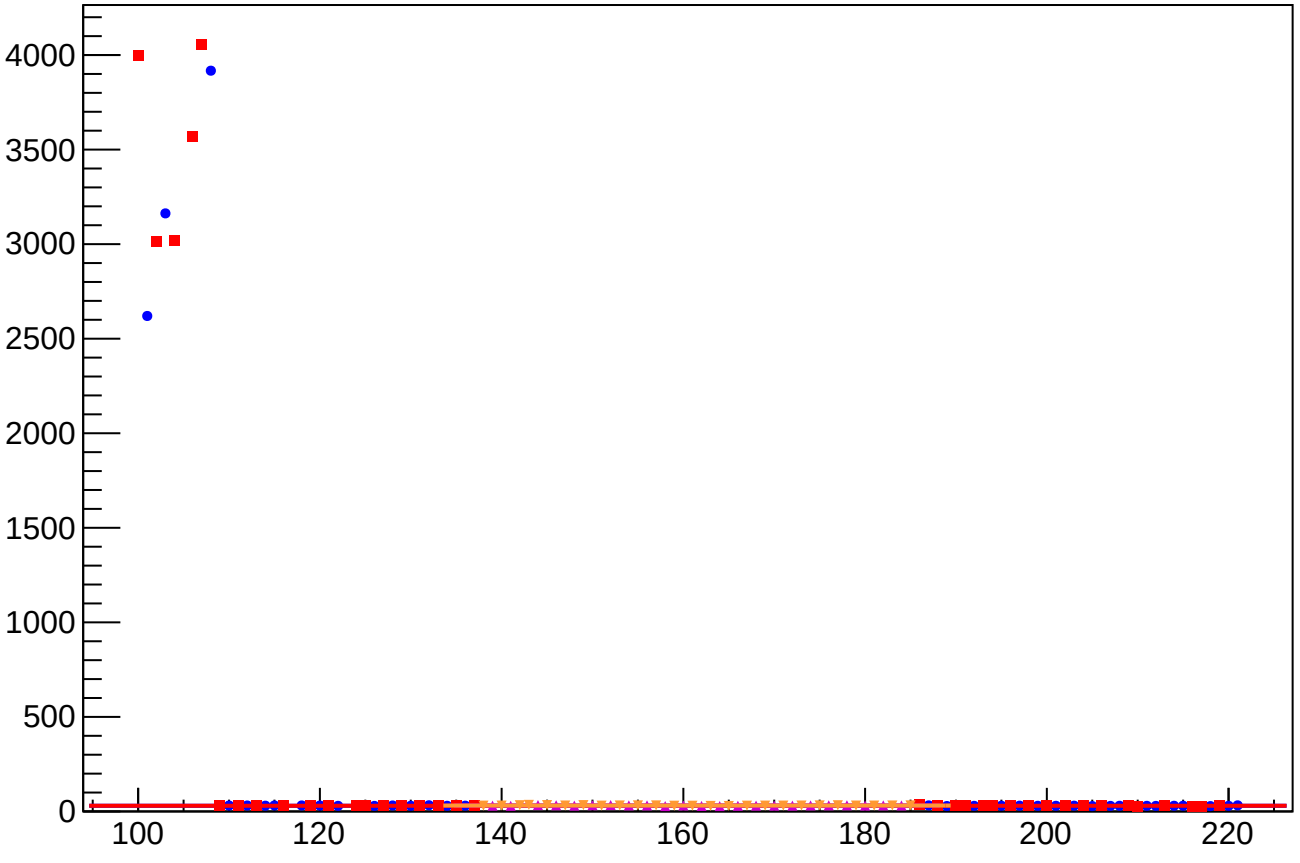
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -6.333+/-4.869 χ^2/NDF: 59.9/58

All: -1.999+/-3.490 χ^2/NDF: 143.6/118

- sign 2.579+/-5.004 χ^2/NDF: 82.0/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.094+/-0.005 χ^2/NDF: 3291931.0/33

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

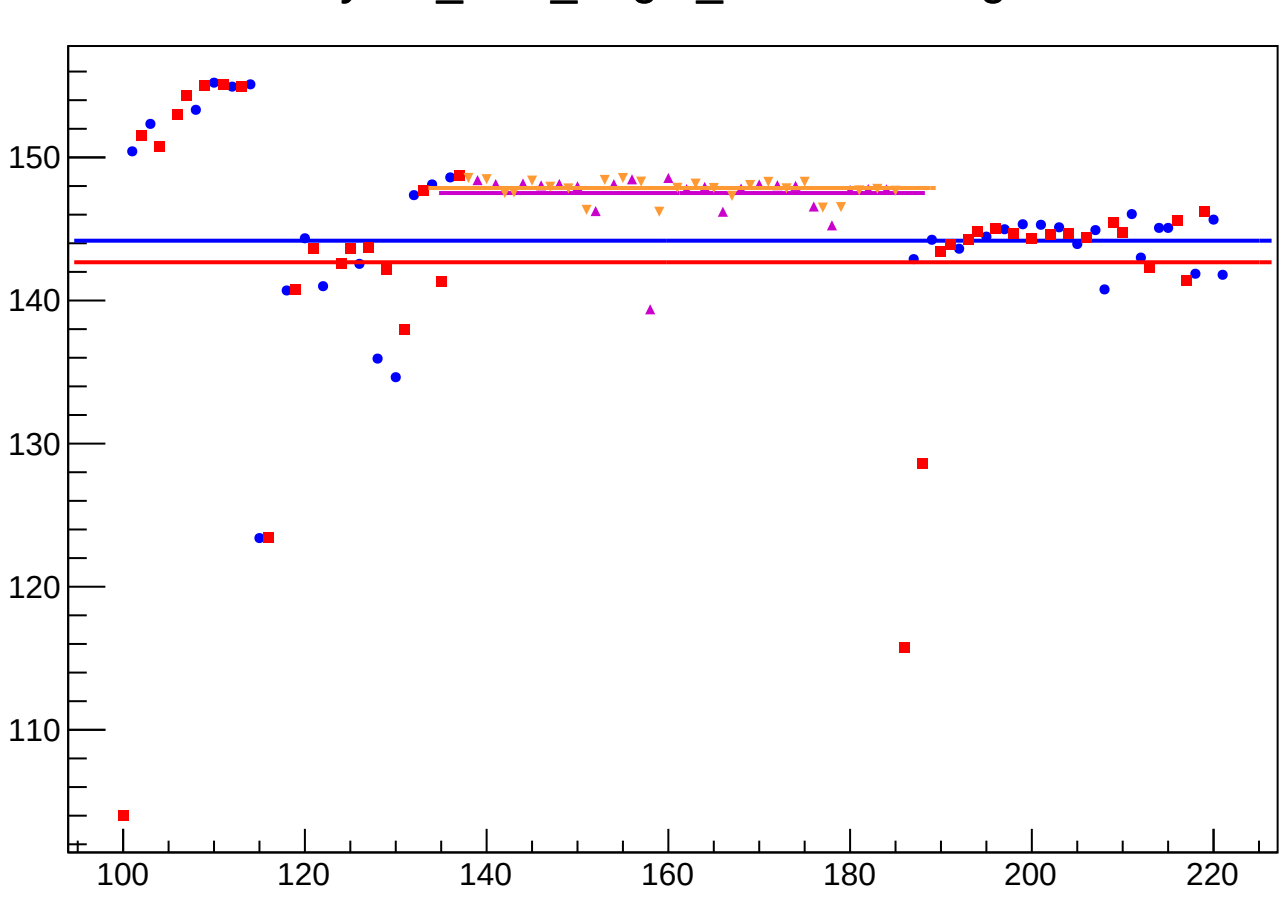
Right Out: 30.122+/-0.005 χ^2/NDF: 3590189.8/36

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

\+ sign 30.674+/-0.003 χ^2/NDF: 3387520.5/58

All: 30.689+/-0.002 χ^2/NDF: 7094395.6/118

\- sign 30.705+/-0.004 χ^2/NDF: 3706836.2/59



Right In: 144.180+/-0.000 χ^2/NDF: 3807918185.1/33

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

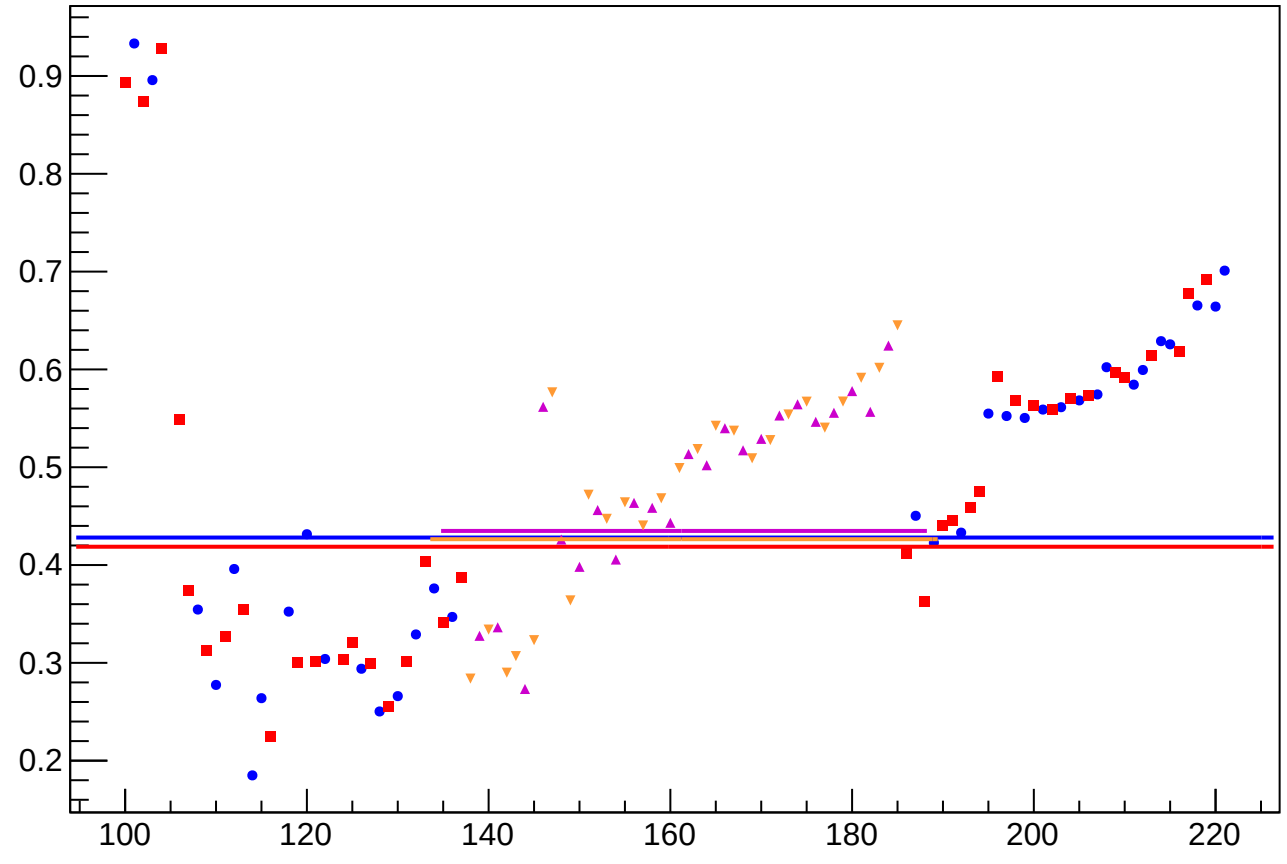
Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 145.981+/-0.000 χ^2/NDF: 4525746183.3/58

All: 145.447+/-0.000 χ^2/NDF: 13696807324.

- sign 144.899+/-0.000 χ^2/NDF: 9056195620.8/59



Right In: 0.428+/-0.000 χ^2/NDF: 4794475.1/33

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

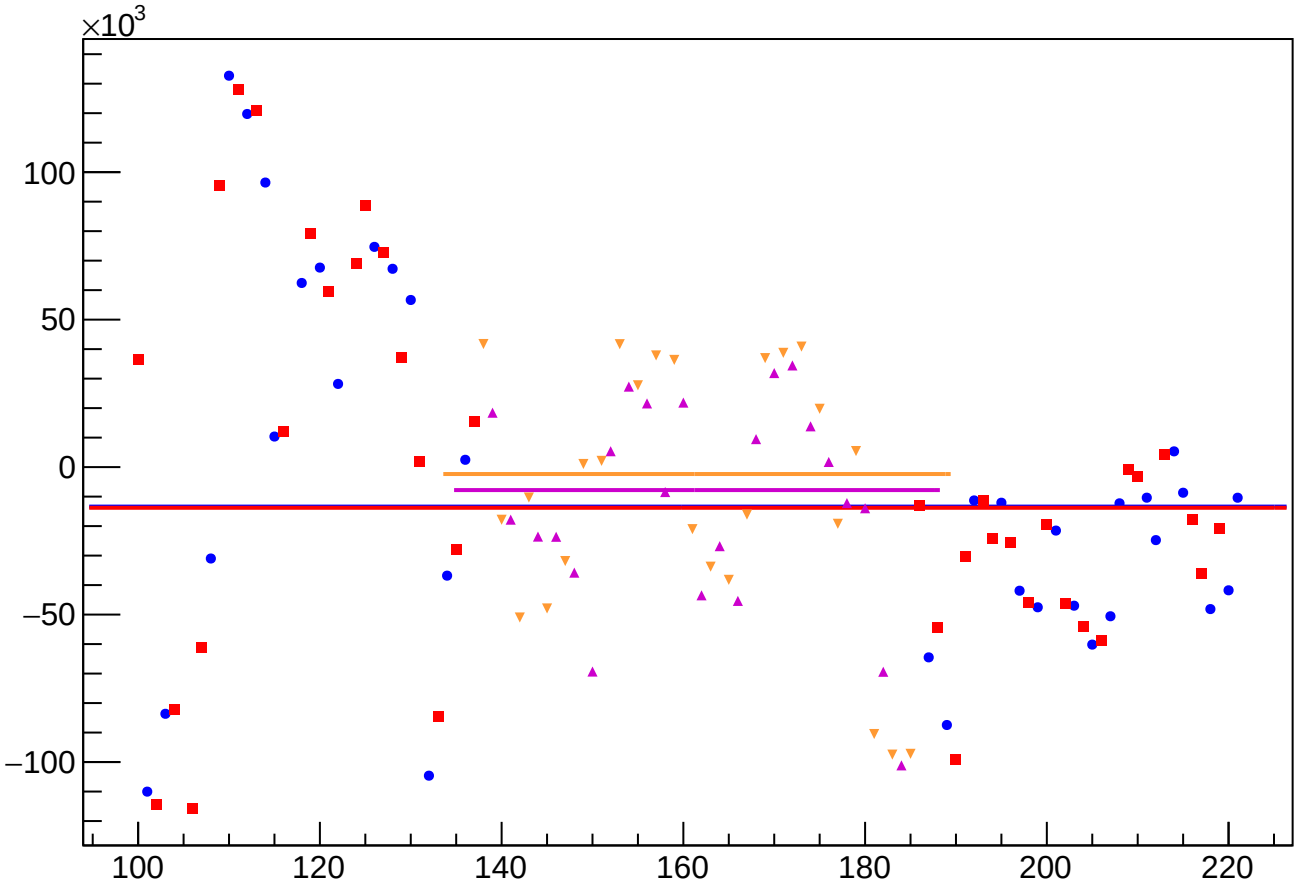
Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.427+/-0.000 χ^2/NDF: 7053950.9/58

All: 0.427+/-0.000 χ^2/NDF: 13037655.1/118

- sign 0.426+/-0.000 χ^2/NDF: 5983450.8/59



Right In: -13390.827+/-1.185 χ^2/NDF: 1998675792.3/33

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

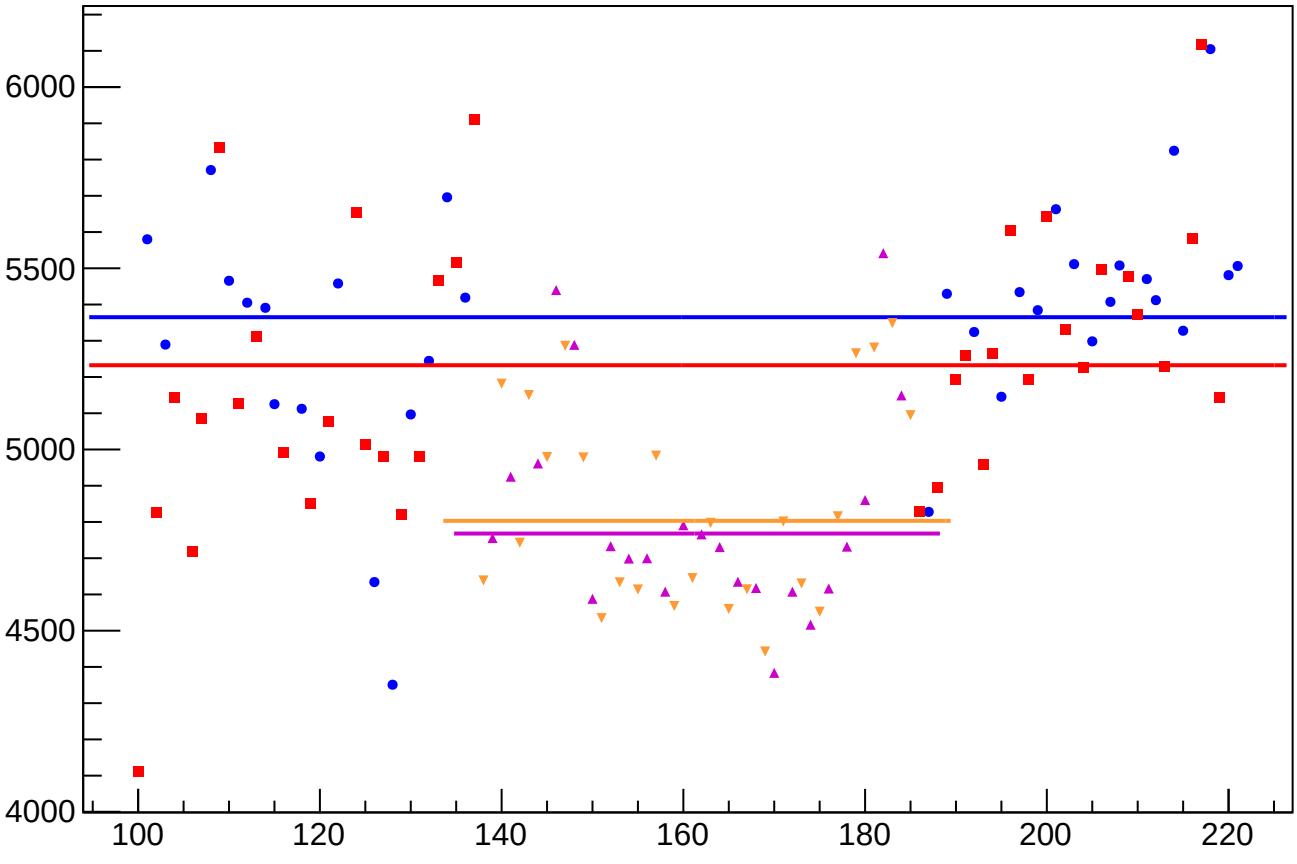
Right Out: -13784.514+/-1.168 χ^2/NDF: 2418104833.2/36

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -7571.412+/-0.815 χ^2/NDF: 3274462249.3/5

All: -9144.055+/-0.577 χ^2/NDF: 647597169

- sign -10725.197+/-0.818 χ^2/NDF: 3194047945.7/5



Right In: 5365.059+/-0.838 χ^2/NDF: 142006.0/33

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5232.495+/-0.826 χ^2/NDF: 153101.1/36

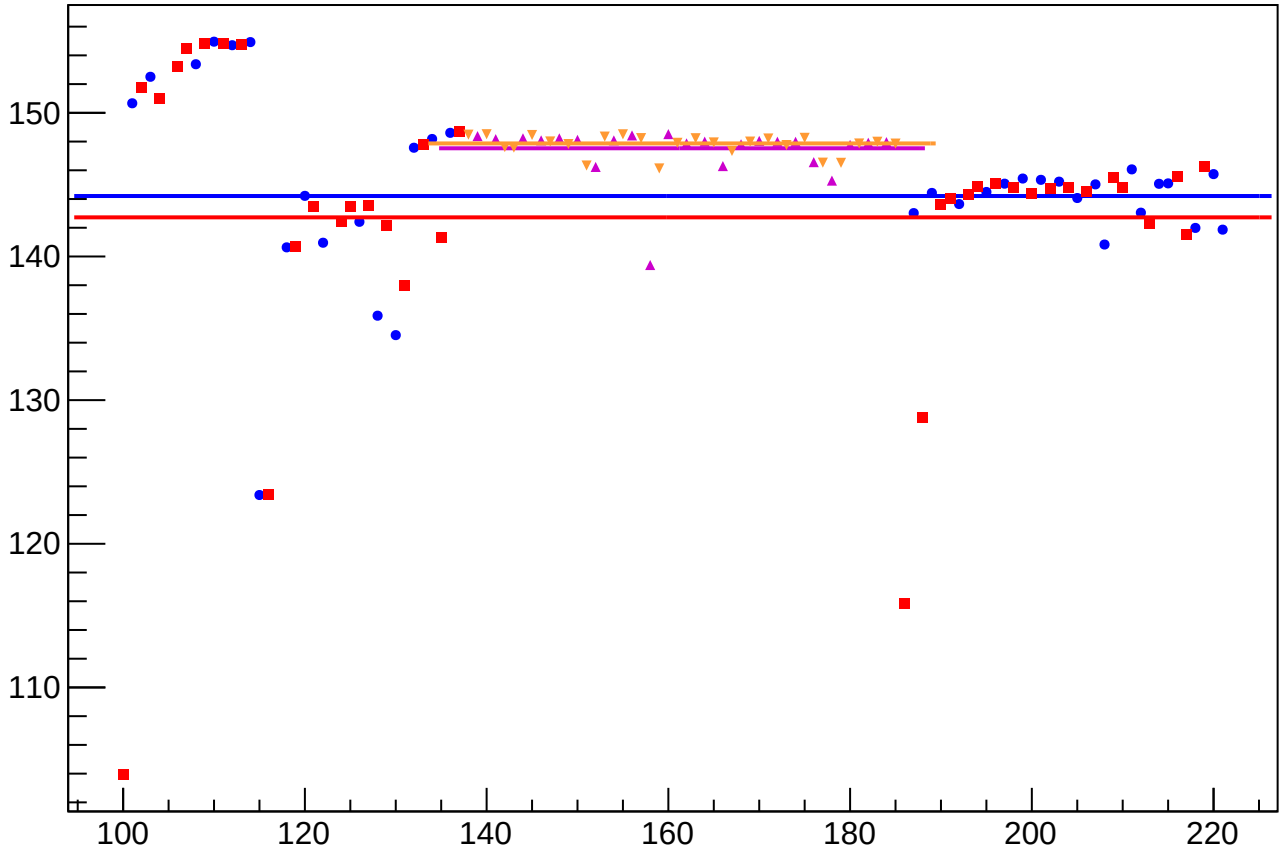
Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 5069.018+/-0.577 χ^2/NDF: 493515.6/58

All: 5032.385+/-0.408 χ^2/NDF: 918383.3/118

- sign 4995.553+/-0.578 χ^2/NDF: 416770.3/59

yield_bcm_an_ds_mean vs Slug



Right In: 144.209+/-0.000 χ^2/NDF: 3848239465.2/33

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.724+/-0.000 χ^2/NDF: 7597949626.3/36

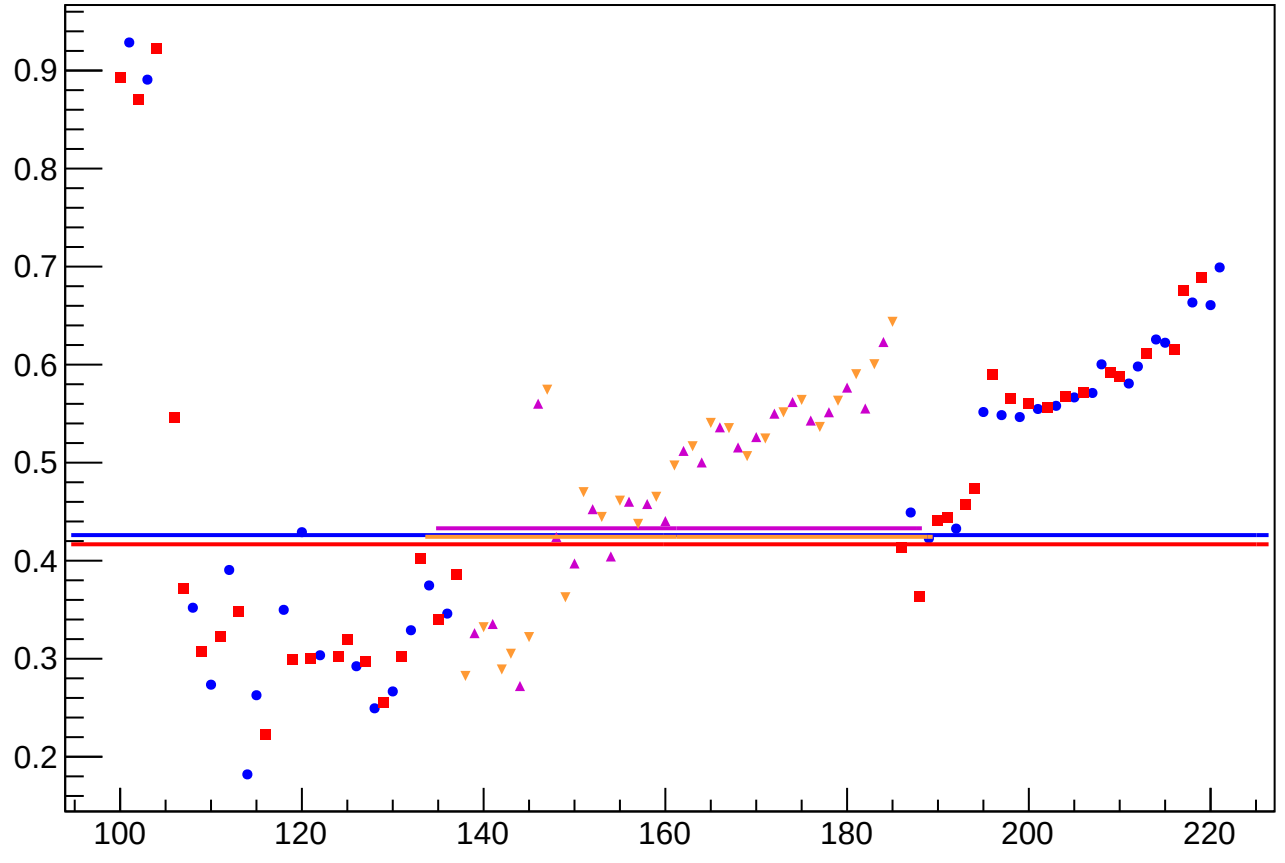
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 145.999+/-0.000 χ^2/NDF: 4563425140.2/58

All: 145.474+/-0.000 χ^2/NDF: 13703716829.

- sign 144.935+/-0.000 χ^2/NDF: 9028136307.9/59

yield_bcm_an_ds_rms vs Slug



Right In: 0.426+/-0.000 χ^2/NDF: 4795928.4/33

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

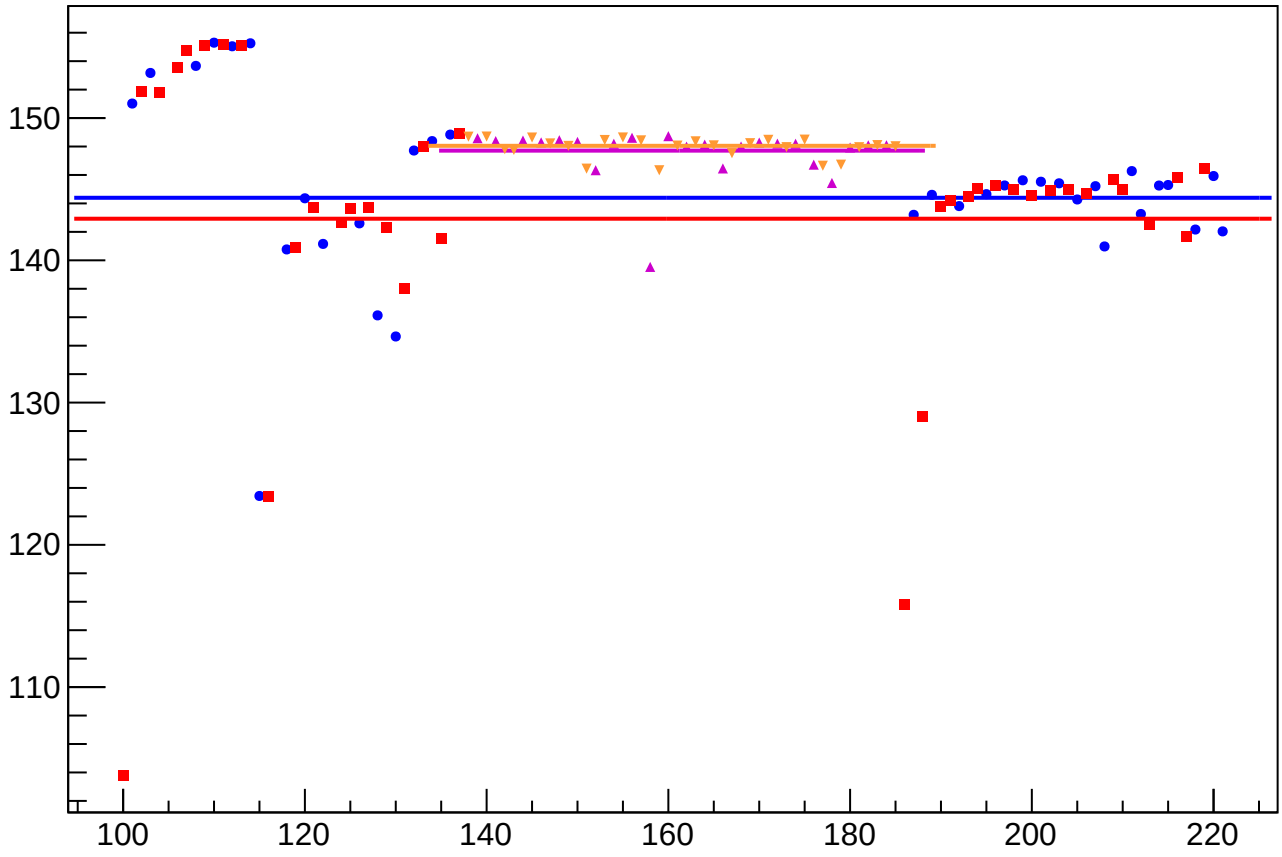
Right Out: 0.417+/-0.000 χ^2/NDF: 4191304.9/36

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.425+/-0.000 χ^2/NDF: 7056958.1/58

All: 0.425+/-0.000 χ^2/NDF: 13045491.5/118

- sign 0.424+/-0.000 χ^2/NDF: 5988328.2/59



Right In: 144.396+/-0.000 χ^2/NDF: 3842716039.8/33

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

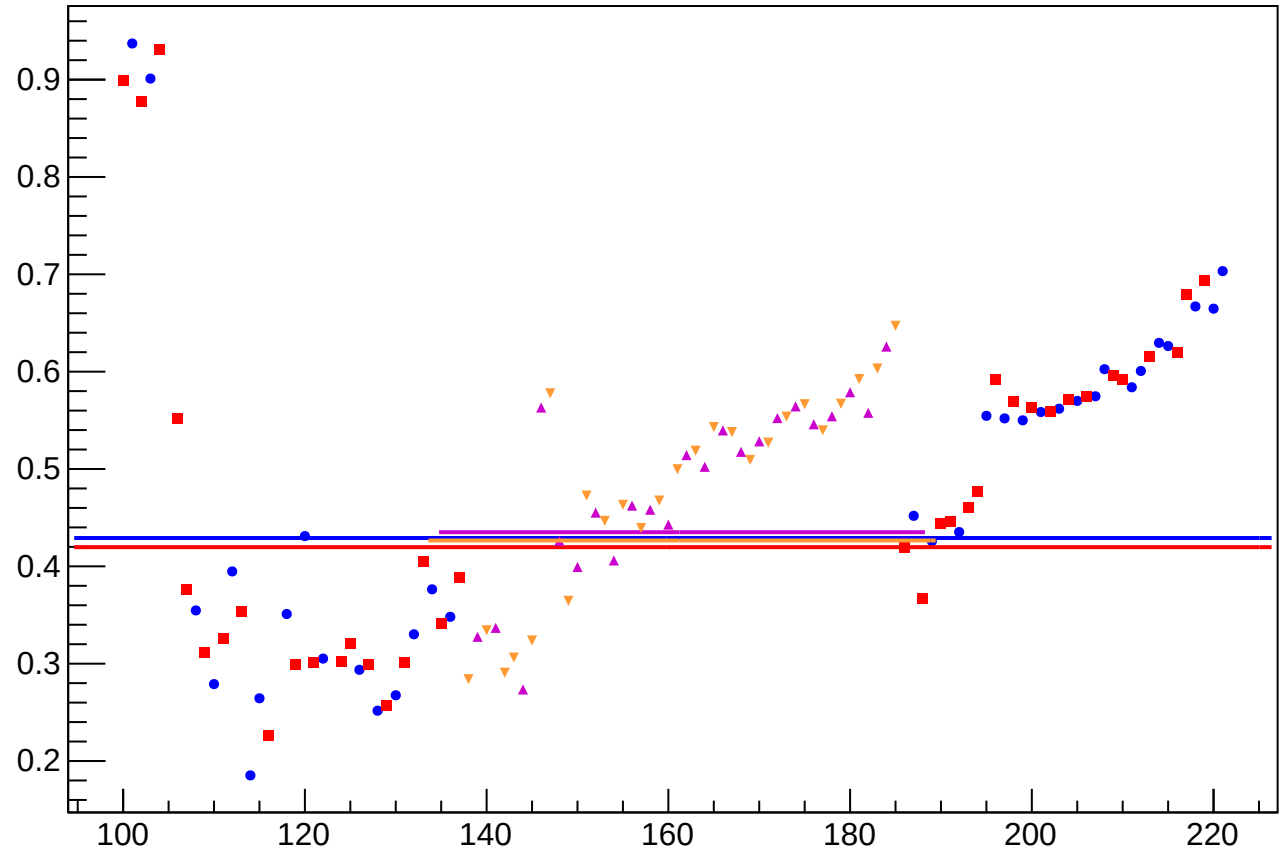
Right Out: 142.925+/-0.000 χ^2/NDF: 7531789705.8/36

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.186+/-0.000 χ^2/NDF: 4547739899.8/58

All: 145.665+/-0.000 χ^2/NDF: 13600422681.

- sign 145.131+/-0.000 χ^2/NDF: 8943846078.1/59



Right In: 0.429+/-0.000 χ^2/NDF: 4775436.0/33

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

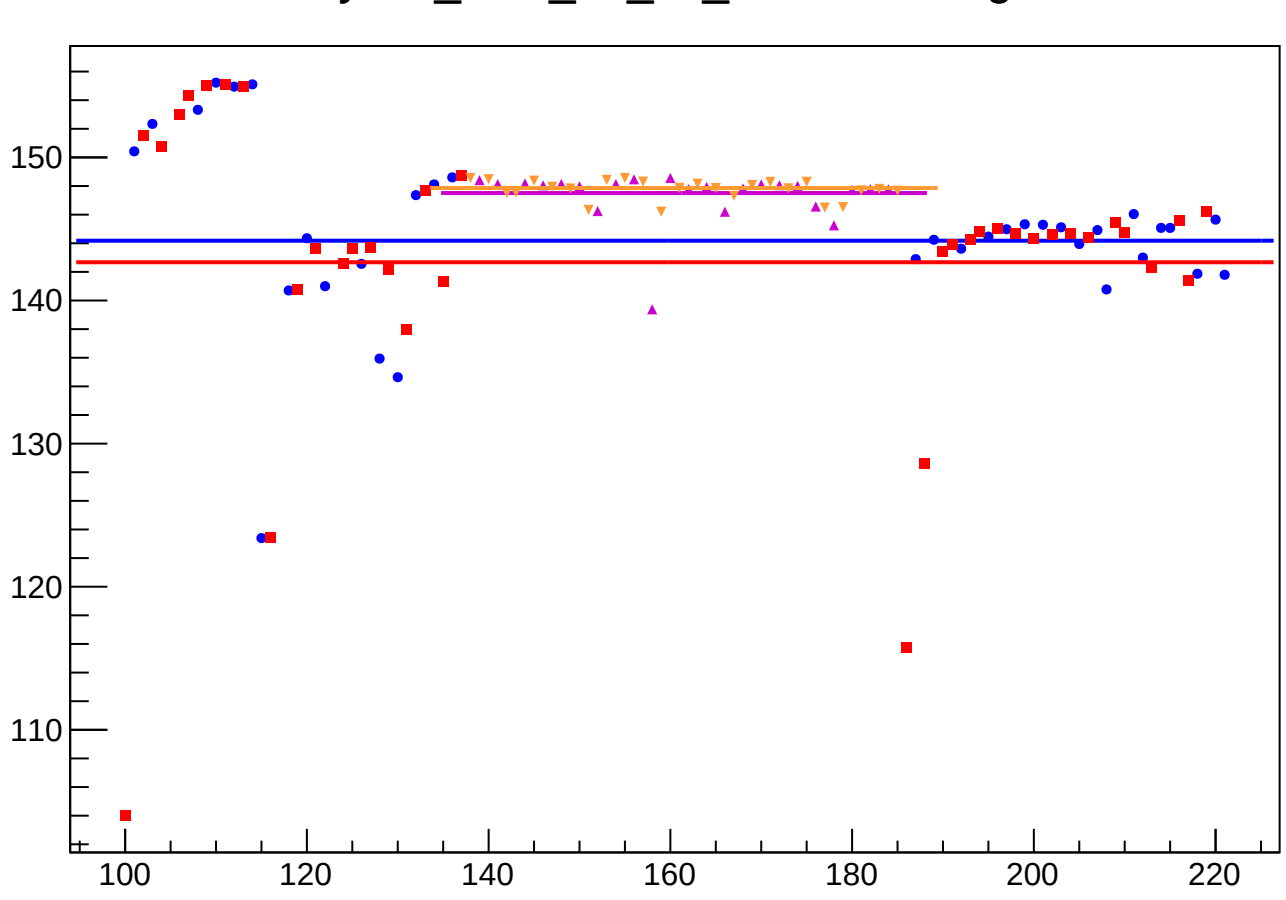
Right Out: 0.420+/-0.000 χ^2/NDF: 4180624.7/36

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.428+/-0.000 χ^2/NDF: 7033569.6/58

All: 0.427+/-0.000 χ^2/NDF: 13006833.8/118

- sign 0.427+/-0.000 χ^2/NDF: 5973035.1/59



Right In: 144.180+/-0.000 χ^2/NDF: 3807918185.1/33

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

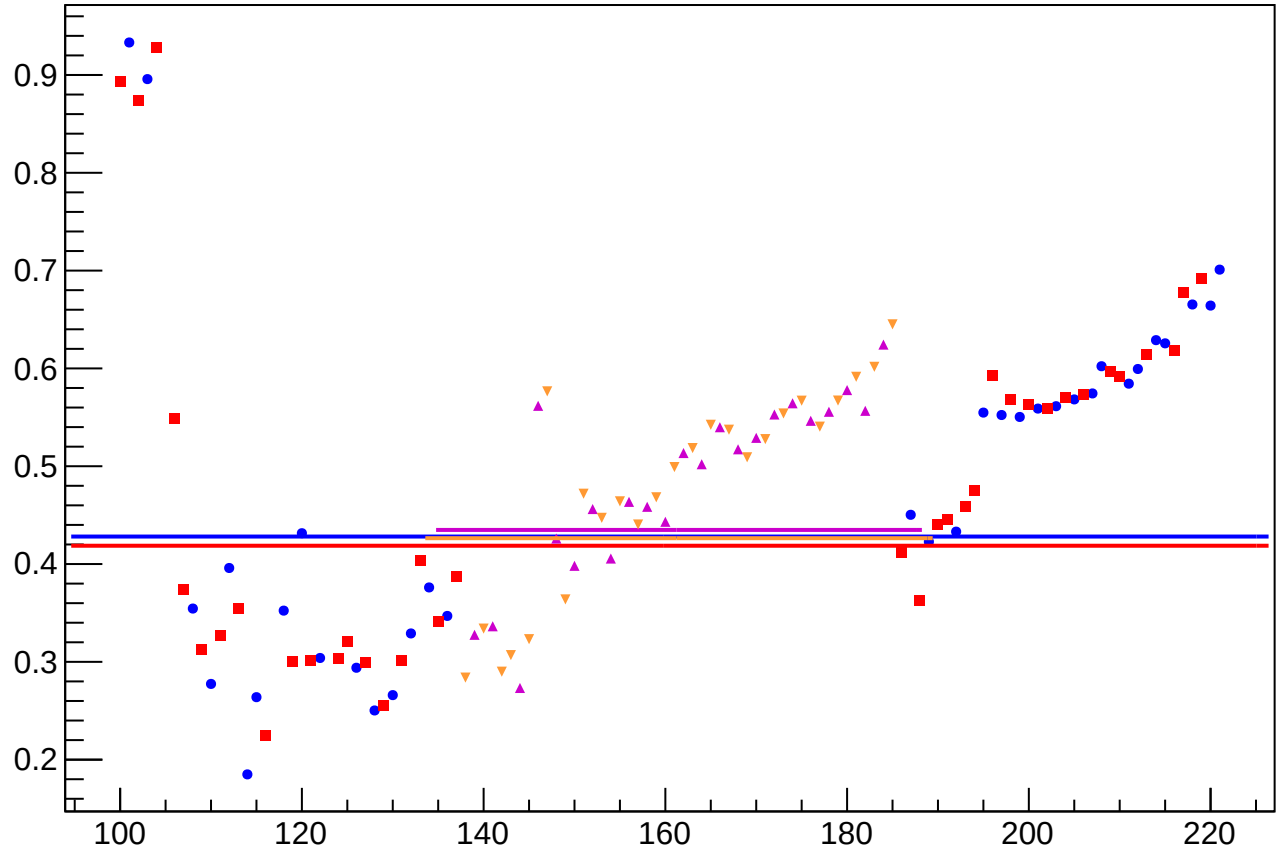
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 145.981+/-0.000 χ^2/NDF: 4525746183.3/58

All: 145.447+/-0.000 χ^2/NDF: 13696807324.

- sign 144.899+/-0.000 χ^2/NDF: 9056195620.8/59

yield_bcm_an_us_rms vs Slug



Right In: 0.428+/-0.000 χ^2/NDF: 4794475.1/33

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

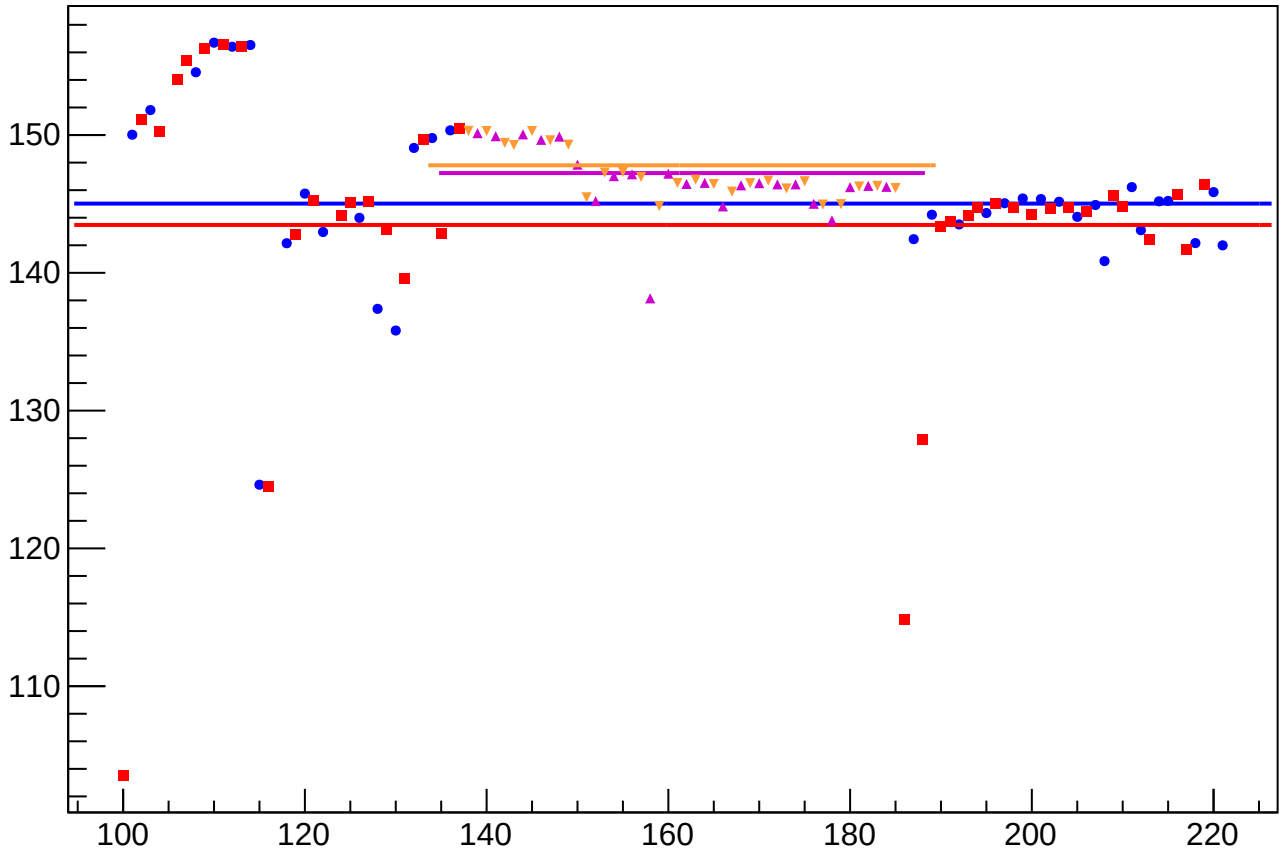
Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.427+/-0.000 χ^2/NDF: 7053950.9/58

All: 0.427+/-0.000 χ^2/NDF: 13037655.1/118

- sign 0.426+/-0.000 χ^2/NDF: 5983450.8/59



Right In: 145.025+/-0.000 χ^2/NDF: 3608526725.8/33

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.475+/-0.000 χ^2/NDF: 7662965360.5/36

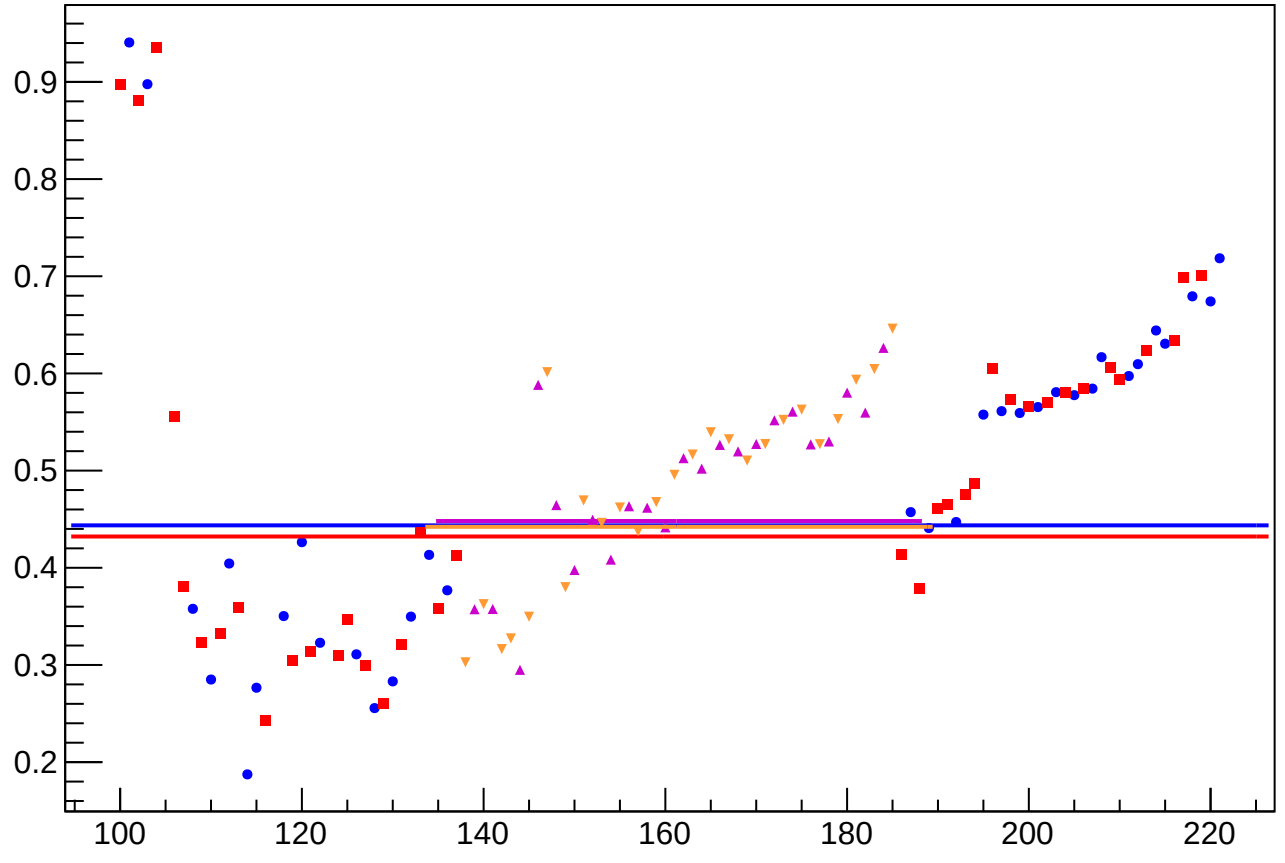
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.389+/-0.000 χ^2/NDF: 4295185533.9/58

All: 145.809+/-0.000 χ^2/NDF: 13350744403.

- sign 145.219+/-0.000 χ^2/NDF: 8928998208.4/59

yield_bcm_dg_us_rms vs Slug



Right In: 0.444+/-0.000 χ^2/NDF: 4524733.1/33

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

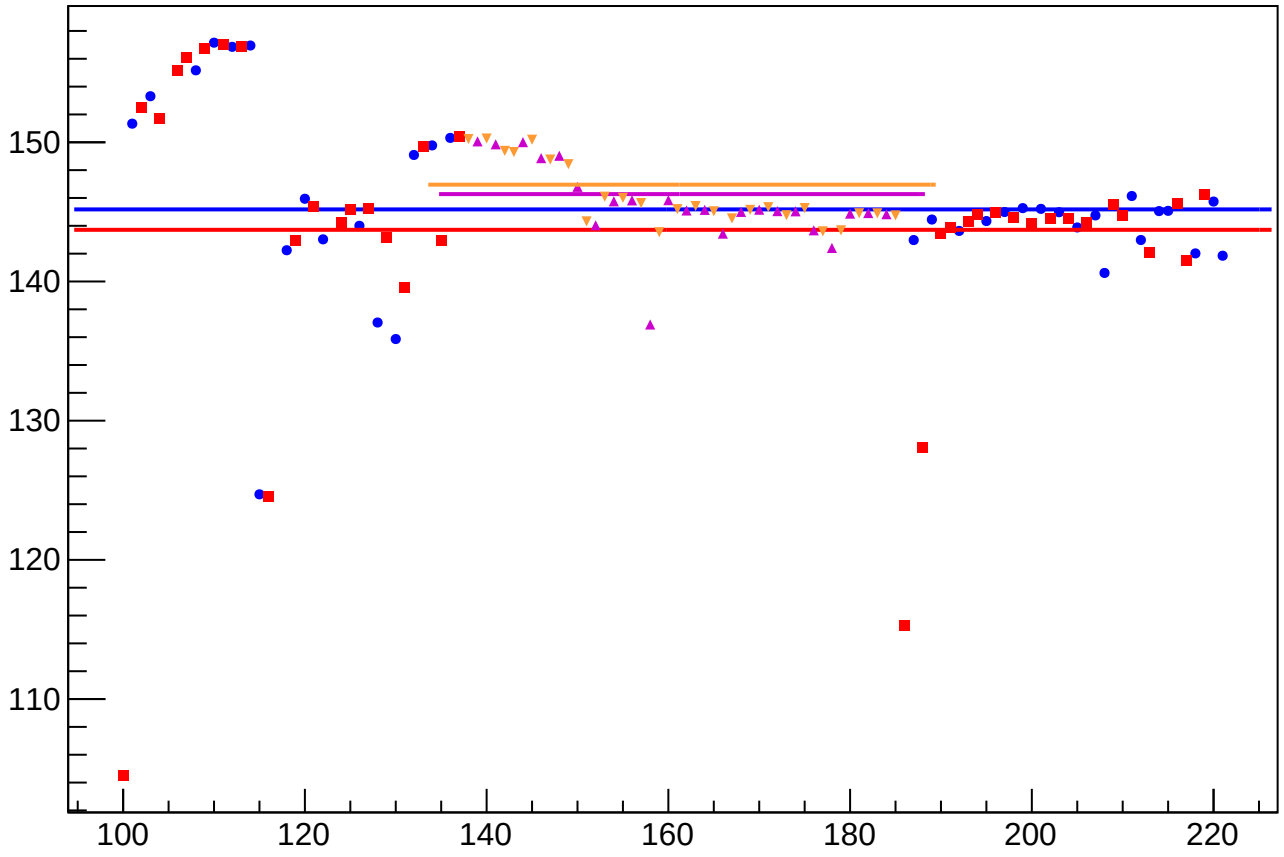
Right Out: 0.432+/-0.000 χ^2/NDF: 3983957.8/36

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.443+/-0.000 χ^2/NDF: 6229137.6/58

All: 0.441+/-0.000 χ^2/NDF: 11586173.3/118

- sign 0.440+/-0.000 χ^2/NDF: 5354961.4/59



Right In: 145.179+/-0.000 χ^2/NDF: 3776068562.0/33

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

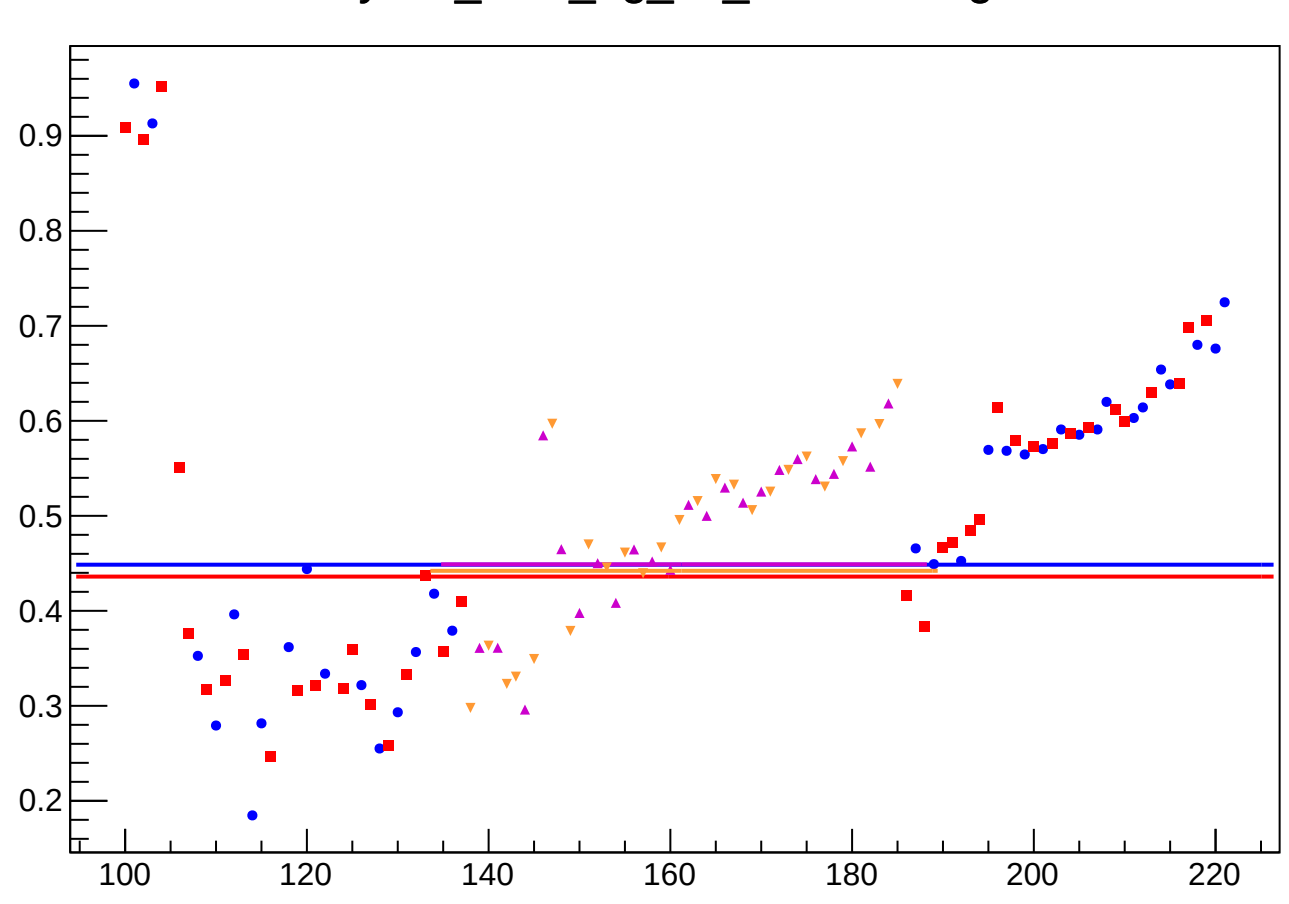
Right Out: 143.712+/-0.000 χ^2/NDF: 7715666536.1/36

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.062+/-0.000 χ^2/NDF: 4464223548.5/58

All: 145.491+/-0.000 χ^2/NDF: 13423182096.

- sign 144.911+/-0.000 χ^2/NDF: 8838101868.4/59



Right In: 0.449+/-0.000 χ^2/NDF: 4541571.1/33

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

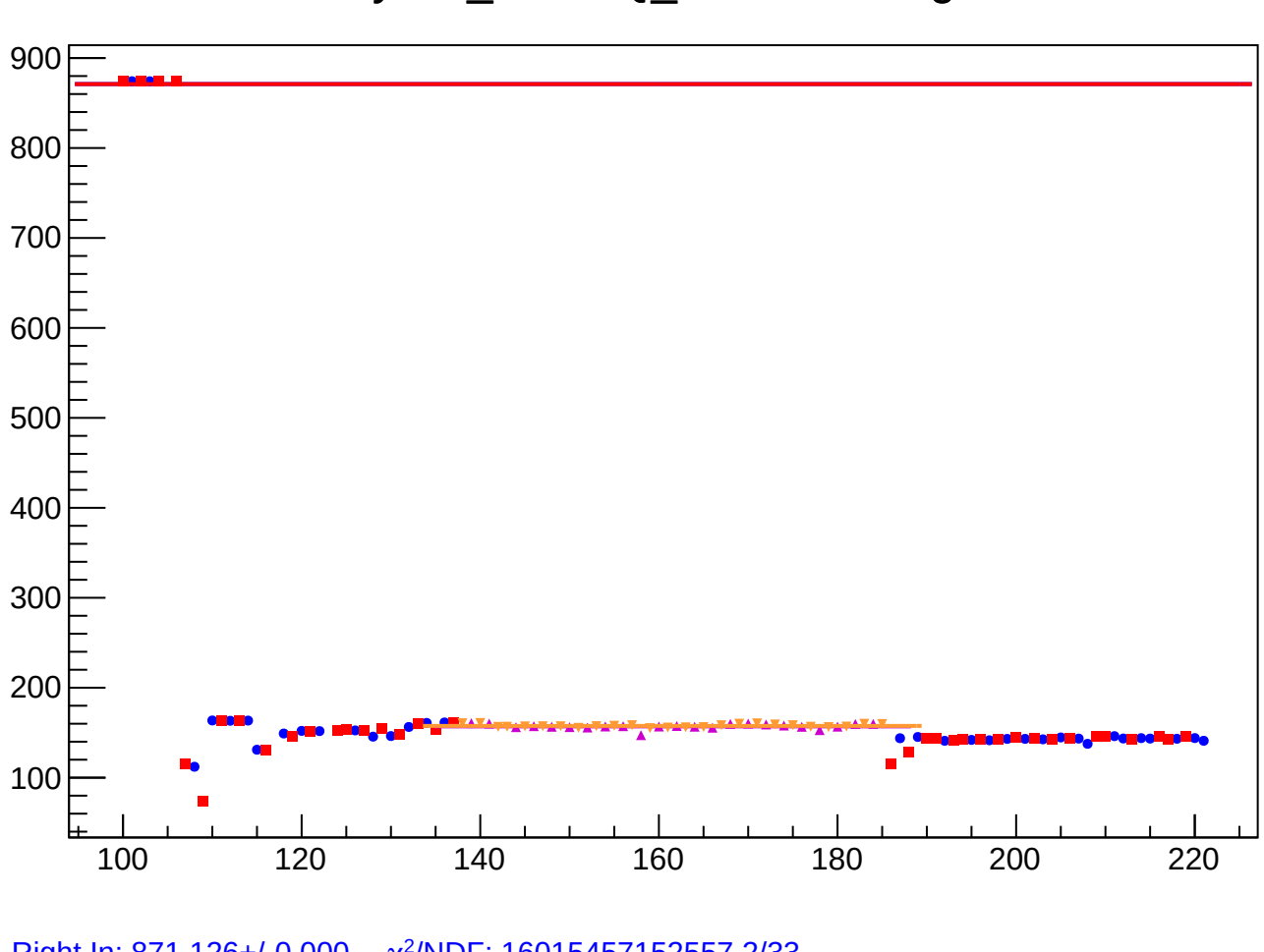
Right Out: 0.436+/-0.000 χ^2/NDF: 4002575.8/36

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.445+/-0.000 χ^2/NDF: 6222076.8/58

All: 0.444+/-0.000 χ^2/NDF: 11542341.5/118

- sign 0.442+/-0.000 χ^2/NDF: 5318292.9/59



Right In: 871.126+/-0.000 χ^2/NDF: 16015457152557.2/33

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.053+/-0.000 χ^2/NDF: 18919595986121.8/36

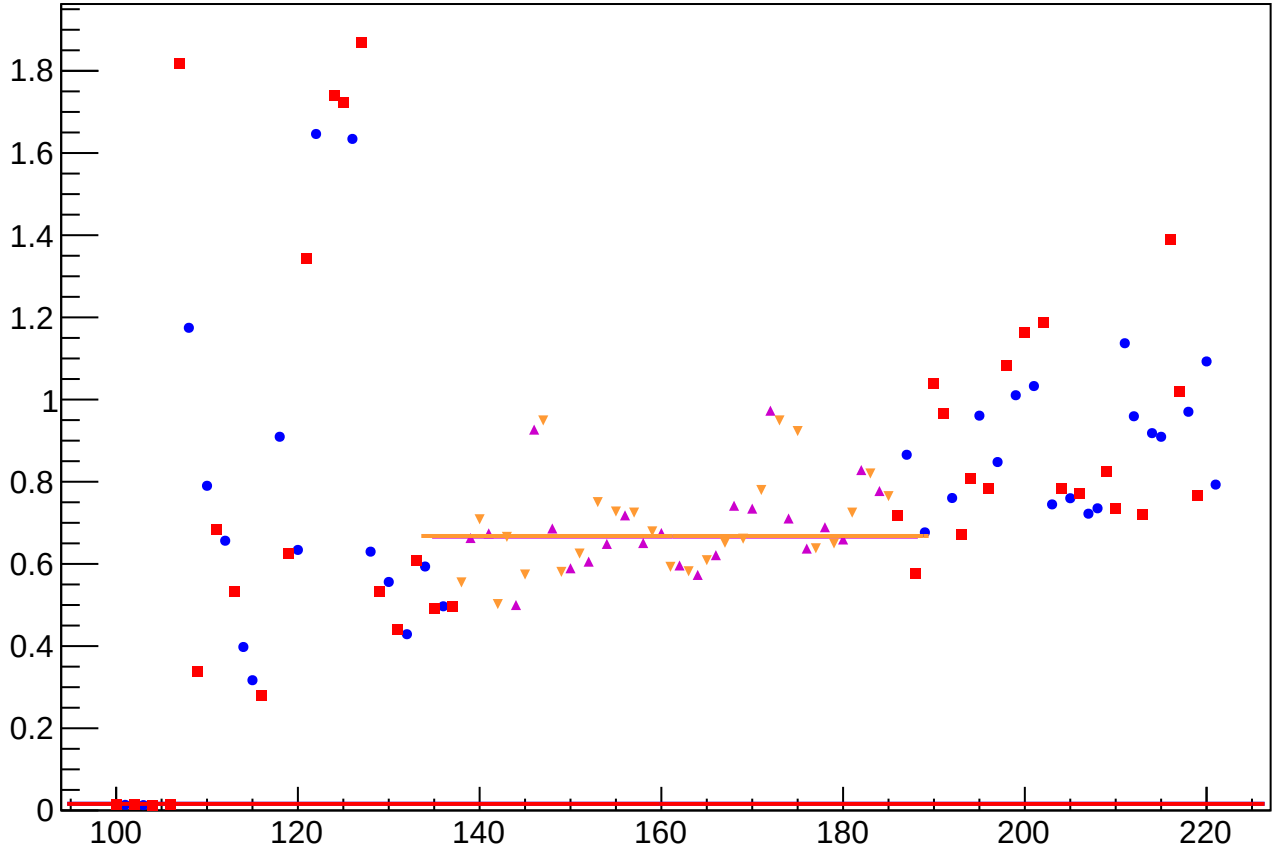
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 867.756+/-0.000 χ^2/NDF: 33185043441276.

All: 868.021+/-0.000 χ^2/NDF: 685646758068

- sign 868.251+/-0.000 χ^2/NDF: 35378692464132.5

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 33059233.1/33

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 32746210.8/36

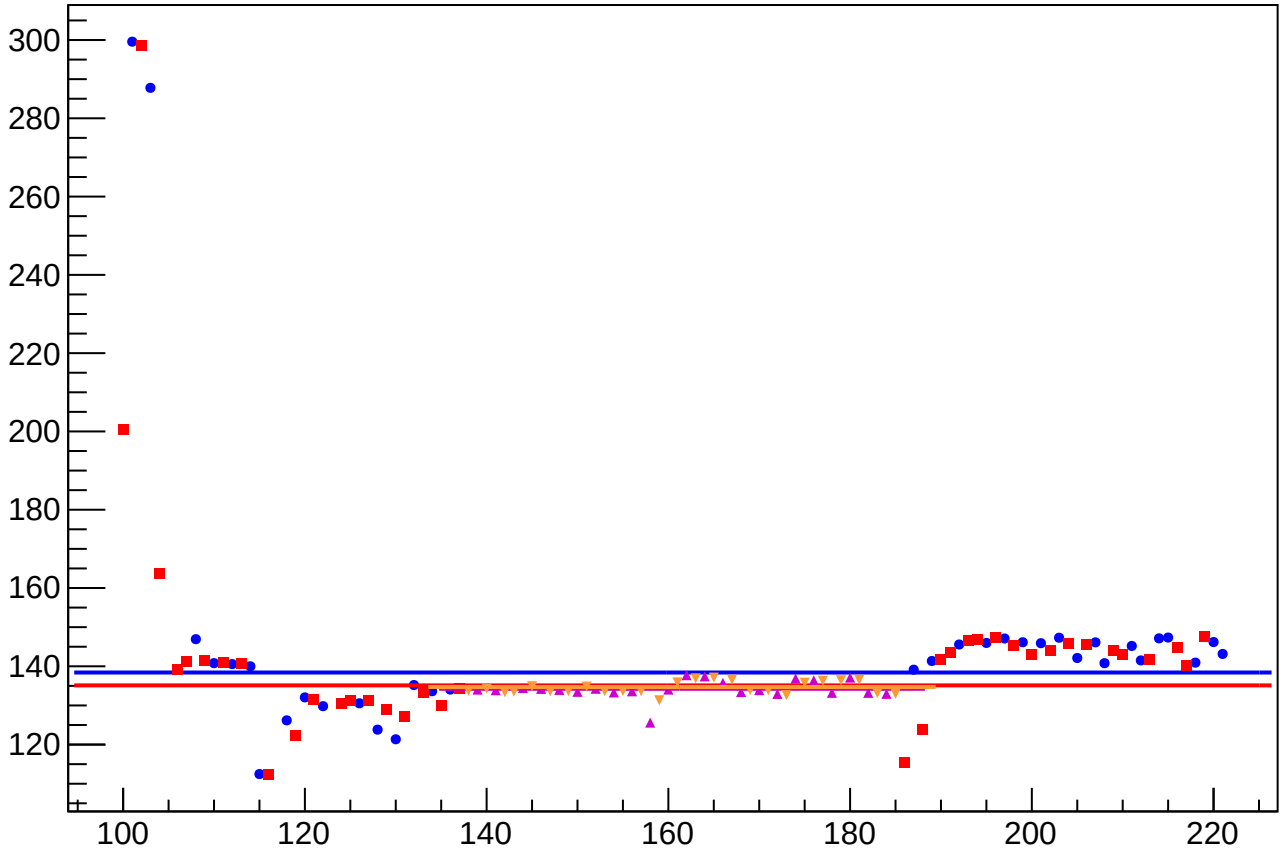
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 62380679.6/58

All: 0.019+/-0.000 χ^2/NDF: 122987727.5/118

- sign 0.019+/-0.000 χ^2/NDF: 60601298.1/59

yield_cav4cQ_mean vs Slug



Right In: 138.414+/-0.000 χ^2/NDF: 3826754722.9/33

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 135.123+/-0.000 χ^2/NDF: 5767866997.8/36

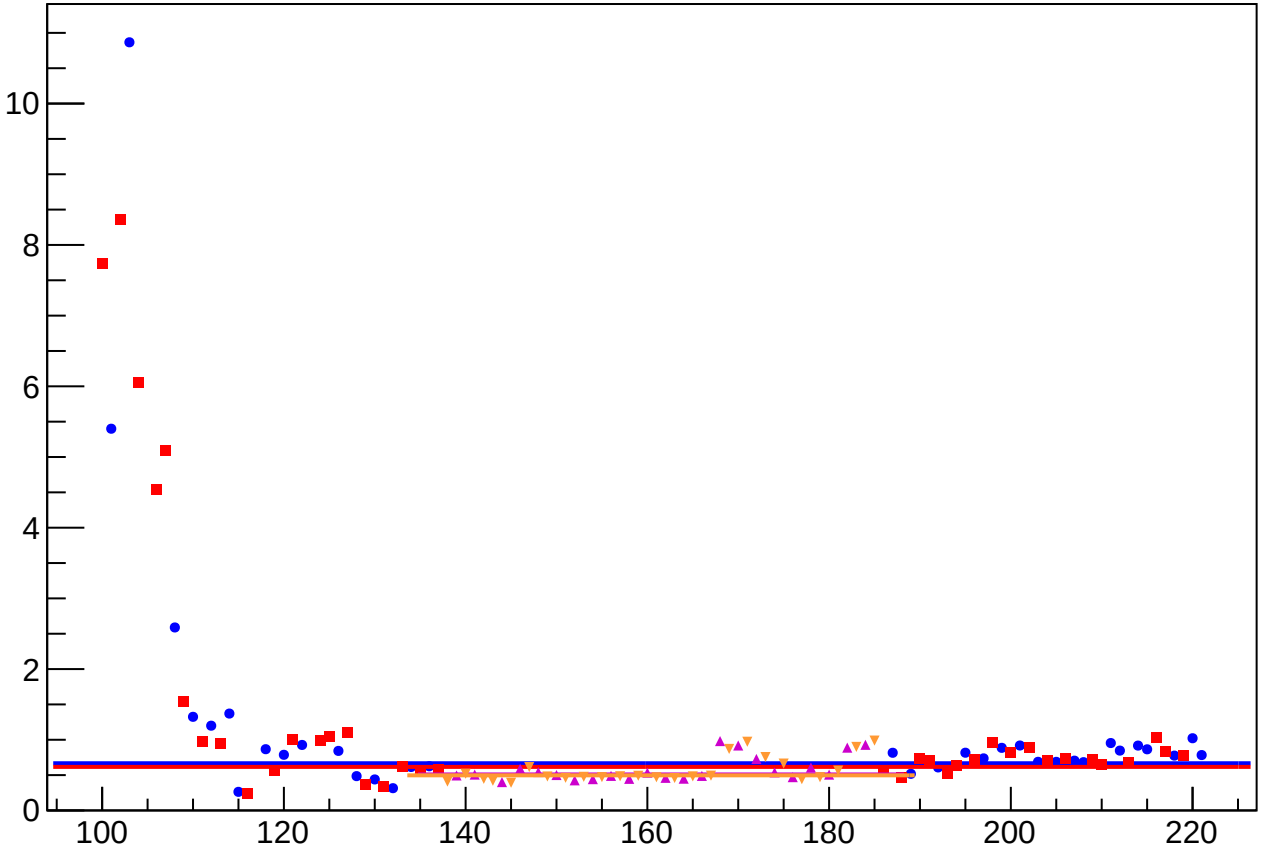
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.987+/-0.000 χ^2/NDF: 4301858907.5/58

All: 135.298+/-0.000 χ^2/NDF: 10627248015.

- sign 134.597+/-0.000 χ^2/NDF: 6227723174.6/59

yield_cav4cQ_rms vs Slug



Right In: 0.668+/-0.000 χ^2/NDF: 5683566.4/33

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.616+/-0.000 χ^2/NDF: 6475041.4/36

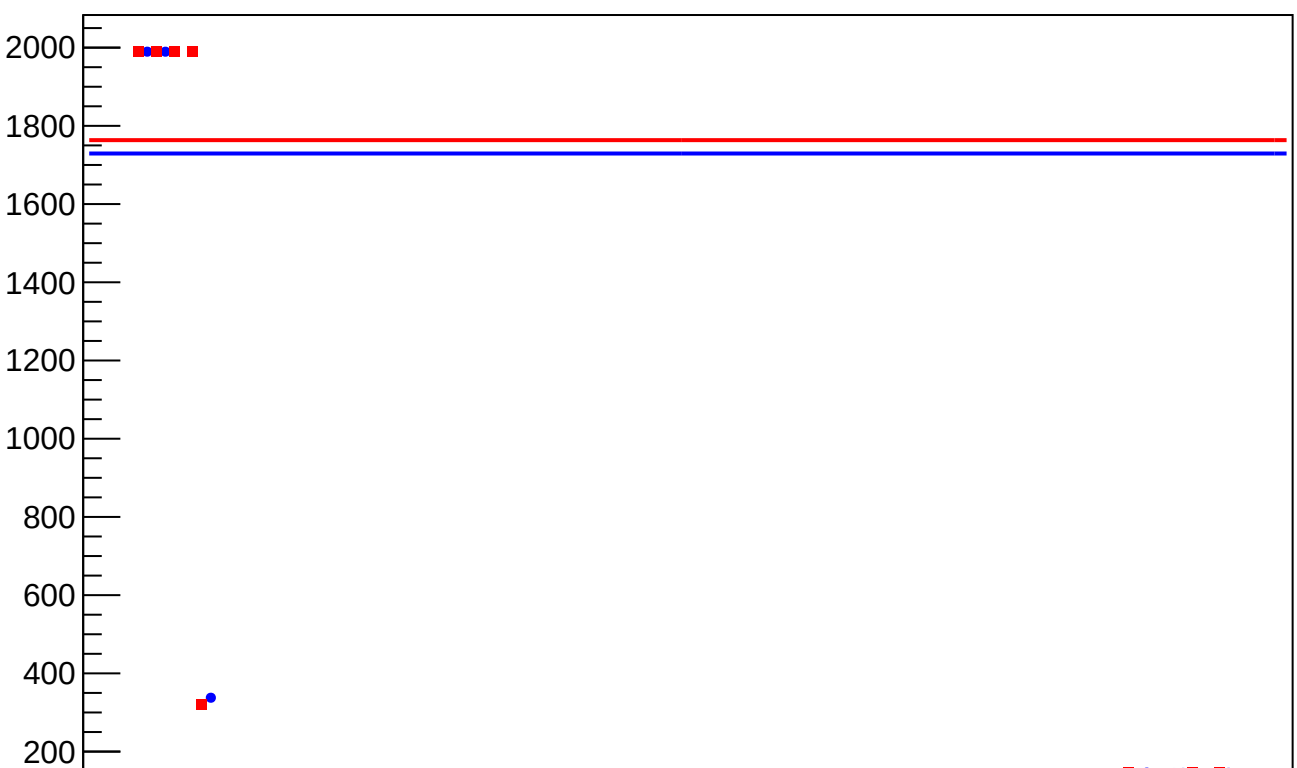
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.556+/-0.000 χ^2/NDF: 8601384.1/58

All: 0.554+/-0.000 χ^2/NDF: 17110597.0/118

- sign 0.552+/-0.000 χ^2/NDF: 8507824.8/59

yield_cav4dQ_mean vs Slug



Right In: 1729.273+/-0.000 χ^2/NDF: 252786222300629.6/33

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1763.449+/-0.000 χ^2/NDF: 2605301356477875/36

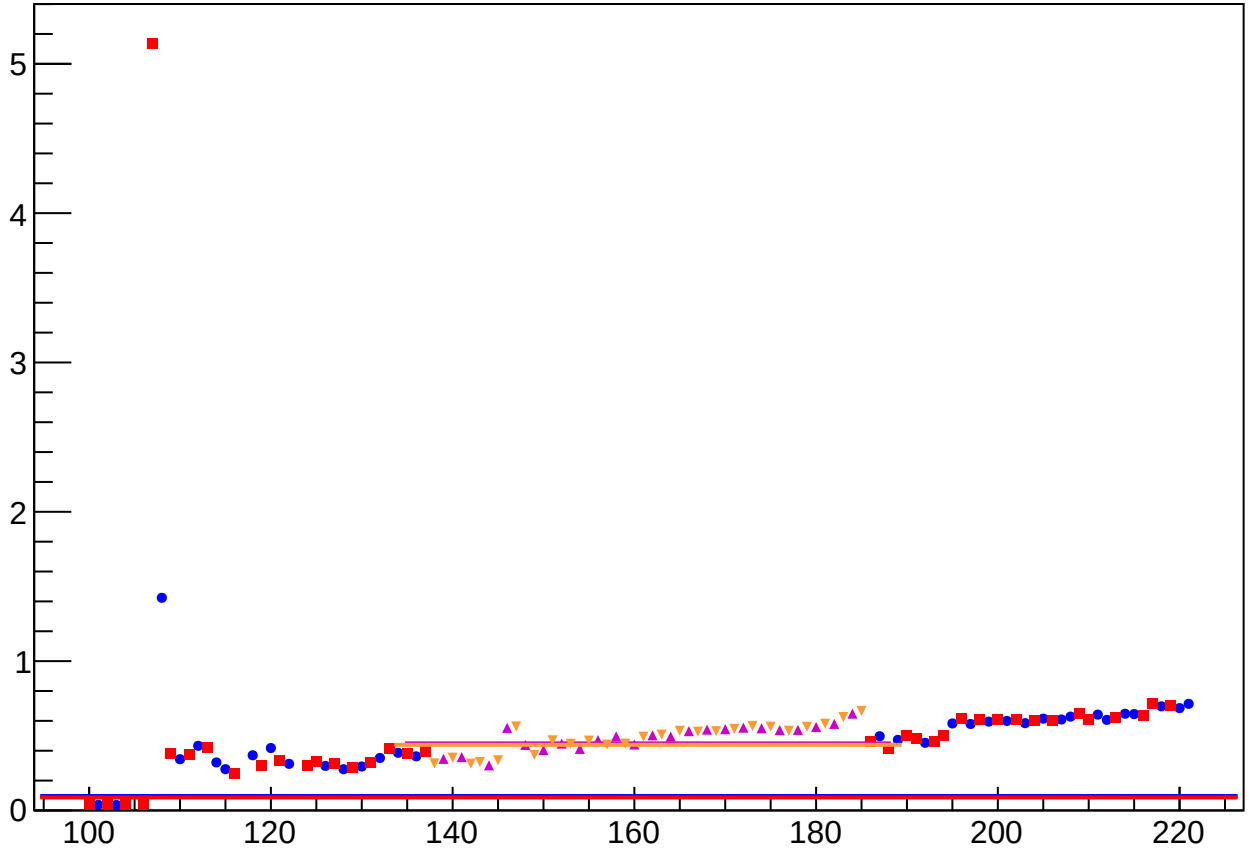
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1519.037+/-0.000 χ^2/NDF: 4569404926786

All: 1556.318+/-0.000 χ^2/NDF: 9197302039

- sign 1589.370+/-0.000 χ^2/NDF: 4609465726444

yield_cav4dQ_rms vs Slug



Right In: 0.097+/-0.000 χ^2/NDF: 29765536.1/33

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.087+/-0.000 χ^2/NDF: 28647237.3/36

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.142+/-0.000 χ^2/NDF: 50492638.4/58

All: 0.133+/-0.000 χ^2/NDF: 100522864.5/118

- sign 0.126+/-0.000 χ^2/NDF: 49844855.8/59

Right In: 158.369+/-0.000 χ^2/NDF: 16200366175.0/33

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.883+/-0.000 χ^2/NDF: 18419583233.6/36

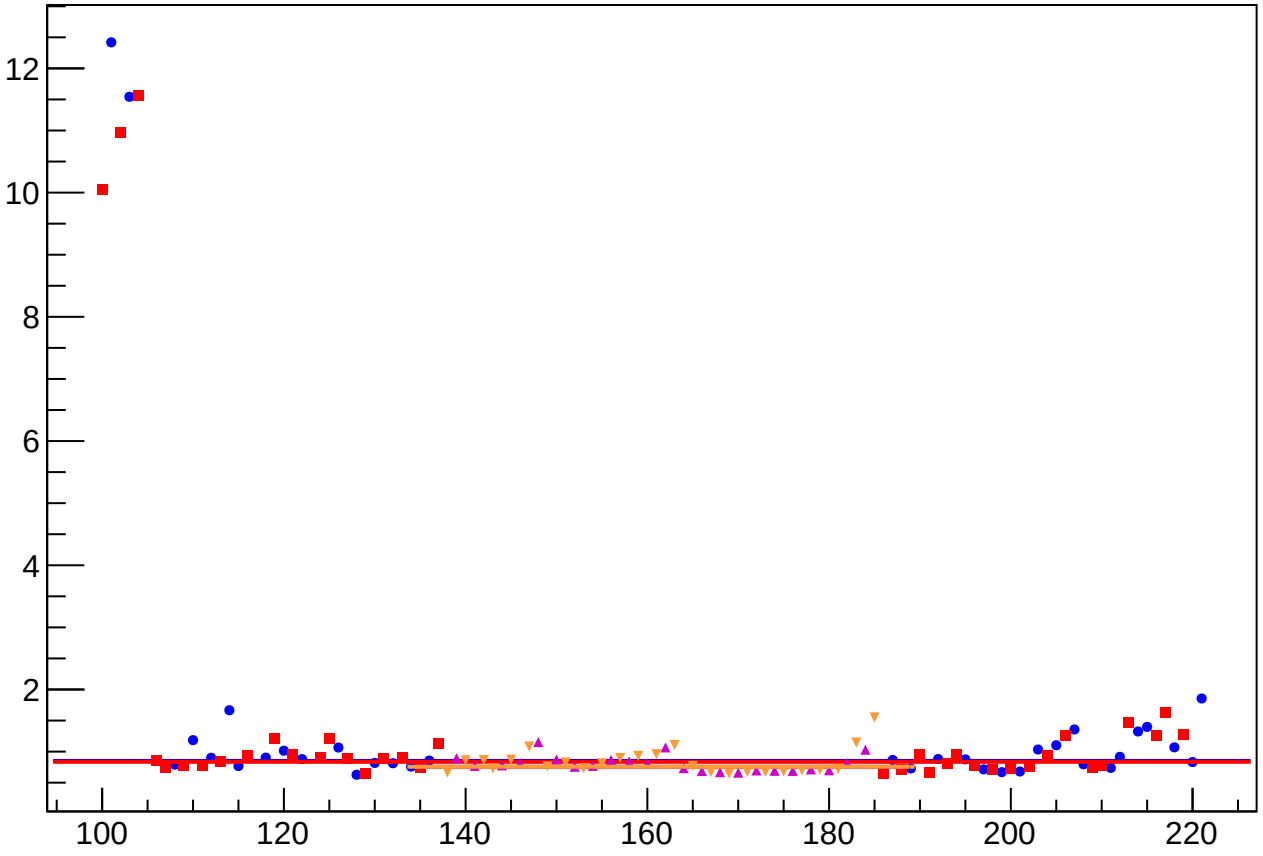
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 159.899+/-0.000 χ^2/NDF: 20024426838.6/58

All: 159.495+/-0.000 χ^2/NDF: 42253053445.

- sign 159.087+/-0.000 χ^2/NDF: 22214000859.6/59

yield_bcm0l02_rms vs Slug



Right In: 0.850+/-0.000 χ^2/NDF: 3722661.5/33

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

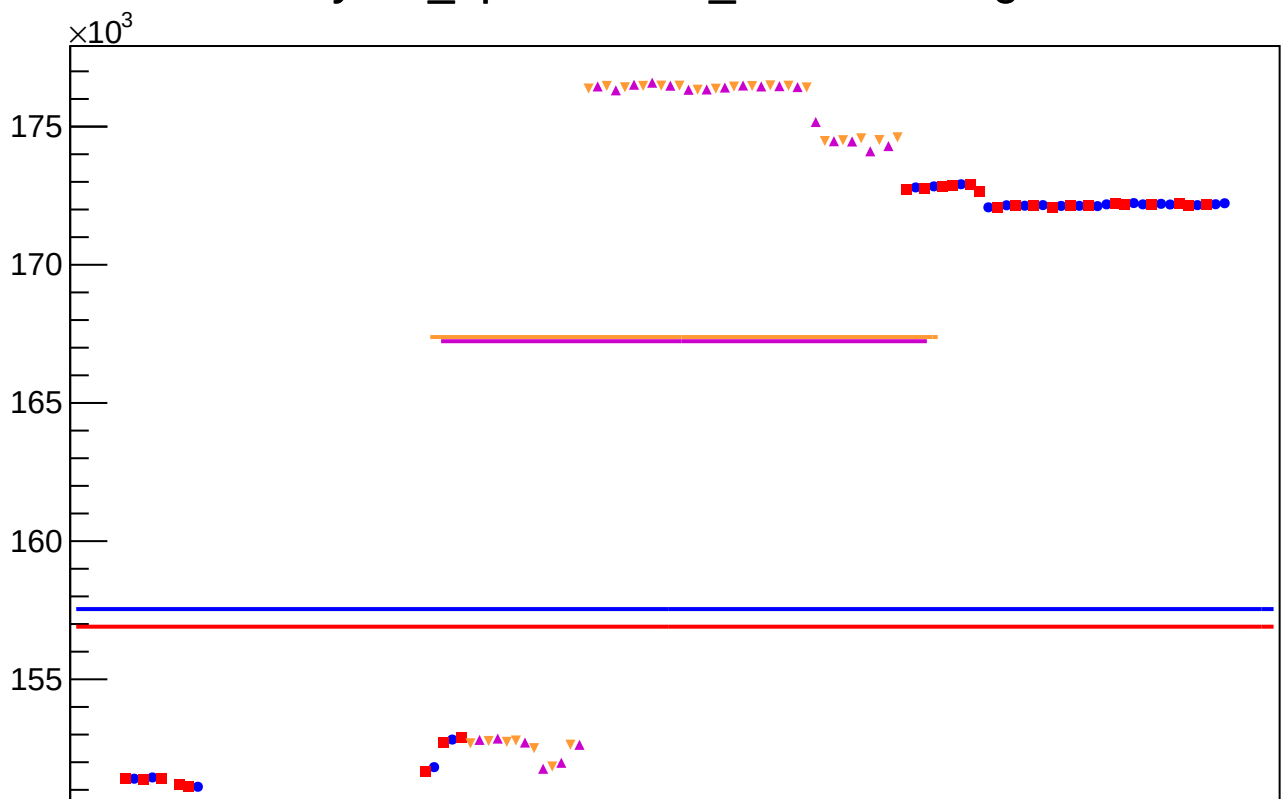
Right Out: 0.836+/-0.000 χ^2/NDF: 3390676.4/36

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.798+/-0.000 χ^2/NDF: 4665172.3/58

All: 0.796+/-0.000 χ^2/NDF: 8672501.8/118

- sign 0.793+/-0.000 χ^2/NDF: 4006086.3/59



Right In: 157541.385+/-0.045 χ^2/NDF: 50972789803.9/33

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

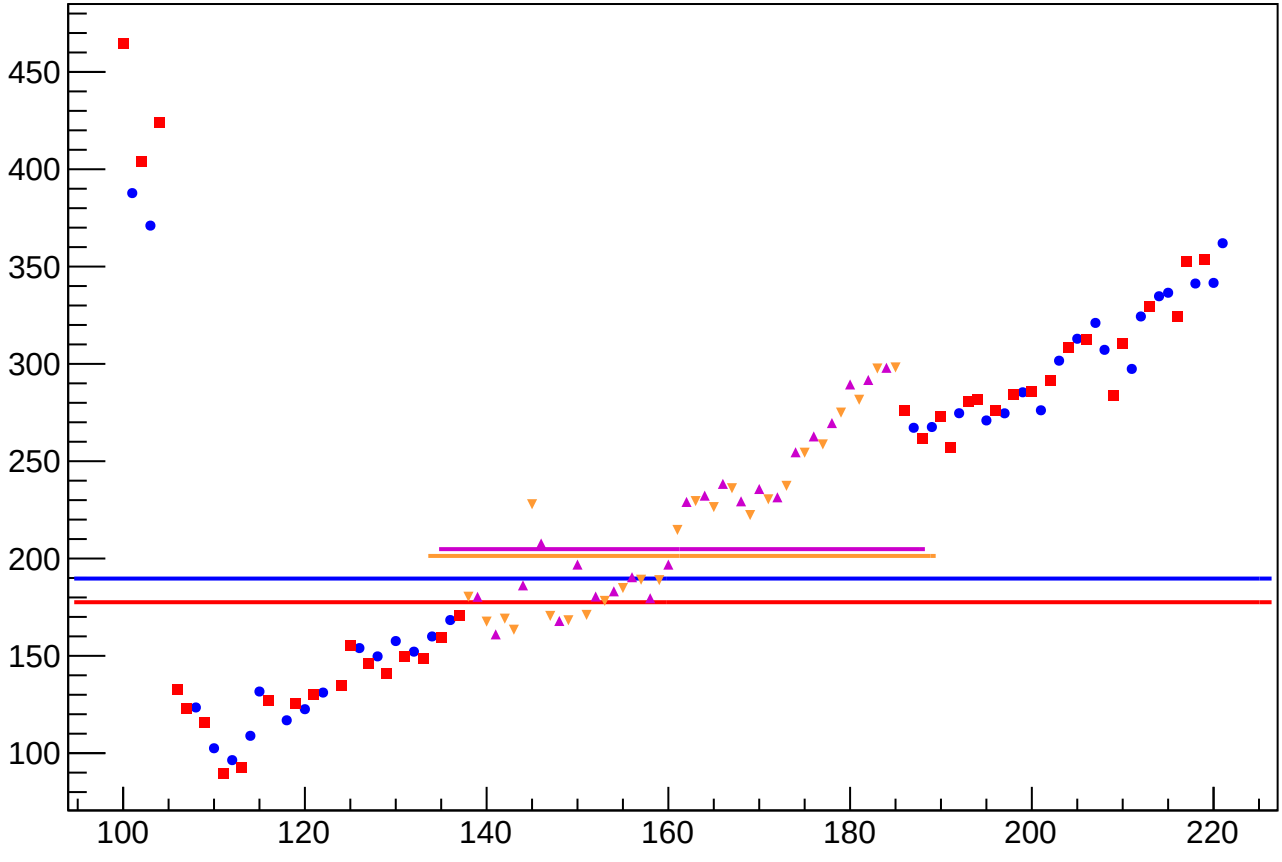
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162276.173+/-0.032 χ^2/NDF: 13360573940

All: 161837.267+/-0.023 χ^2/NDF: 2676577

- sign 161402.701+/-0.032 χ^2/NDF: 13368708604

yield_bpm2i01WS_rms vs Slug



Right In: 189.706+/-0.032 χ^2/NDF: 7716223.2/33

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

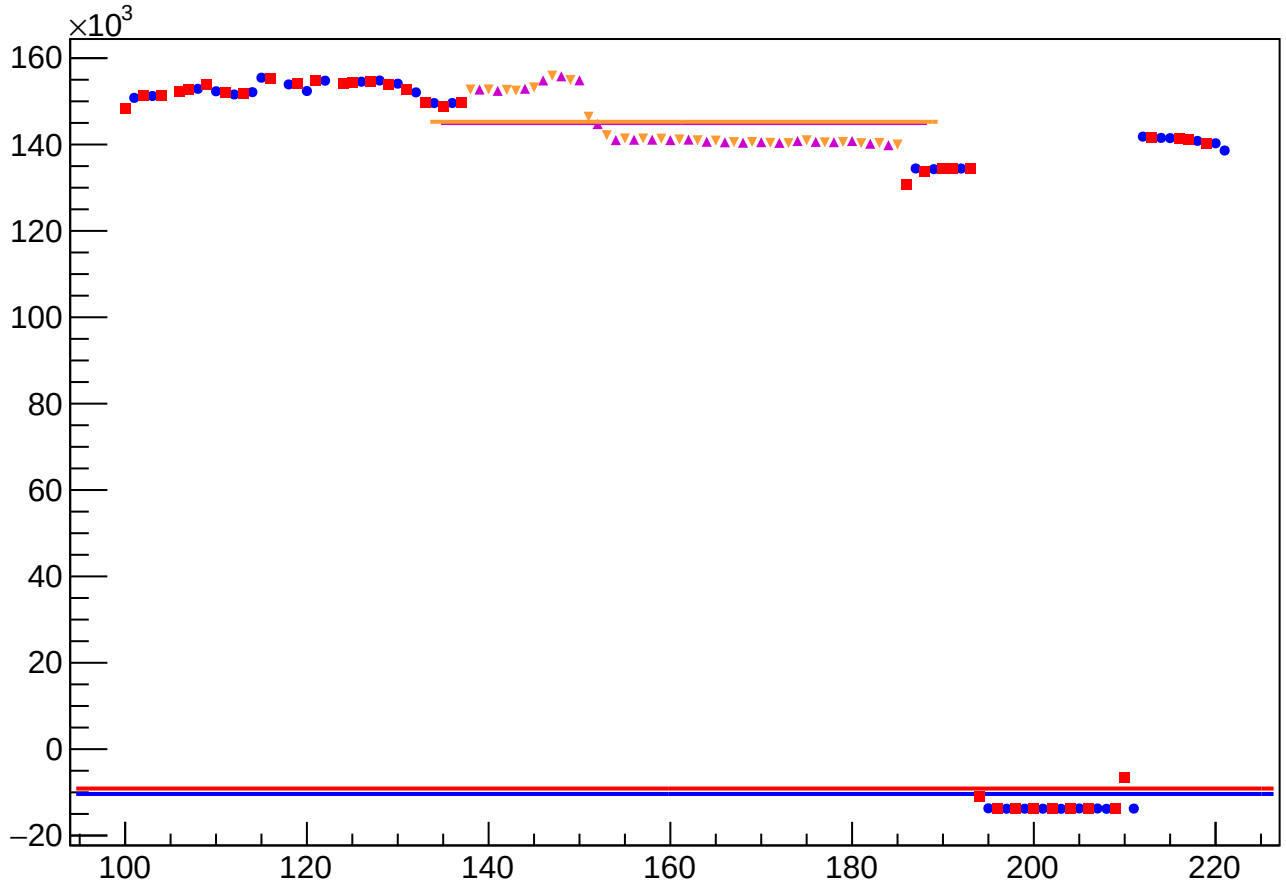
Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 195.296+/-0.023 χ^2/NDF: 9011084.2/58

All: 192.348+/-0.016 χ^2/NDF: 18470029.6/11

- sign 189.429+/-0.023 χ^2/NDF: 9426007.5/59



Right In: -10378.576+/-0.009 χ^2/NDF: 7056084604167.1/33

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

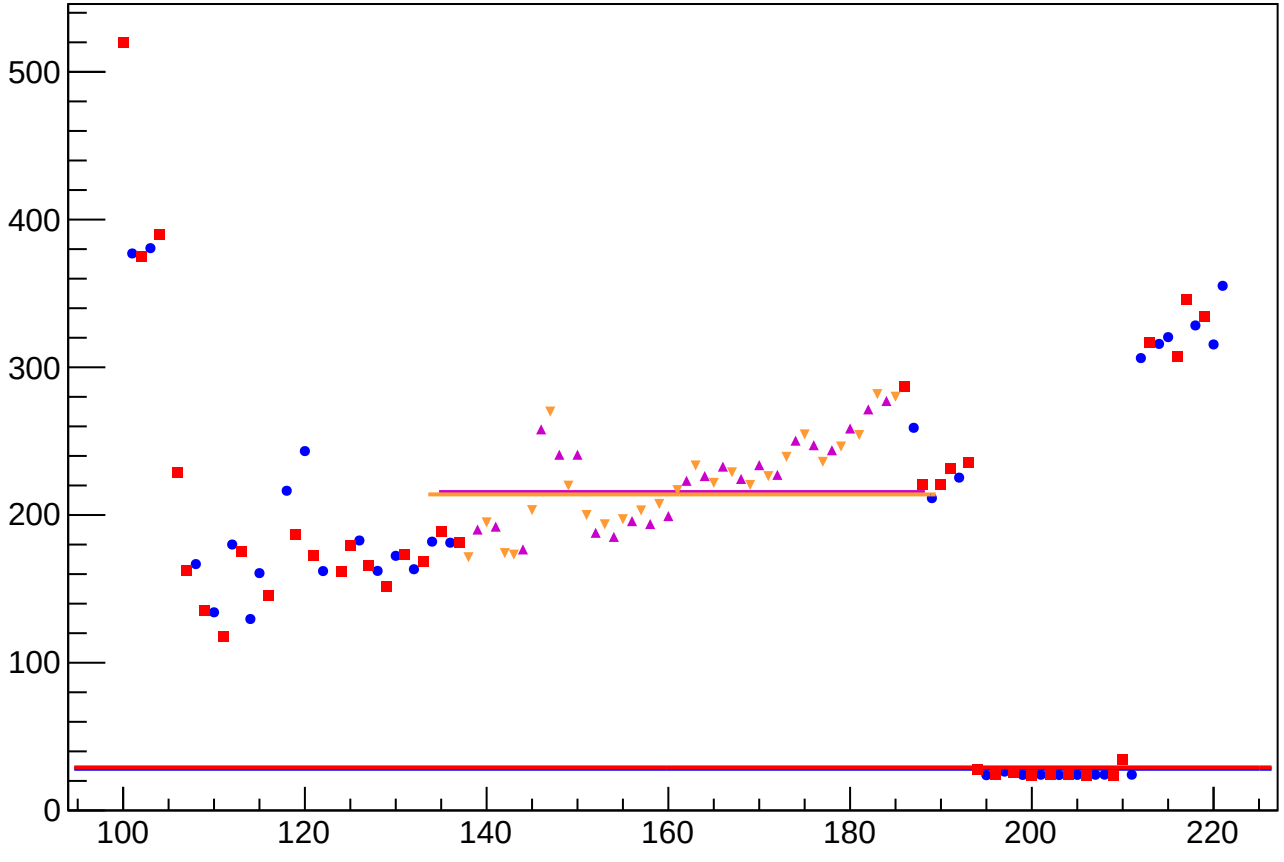
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5660.803+/-0.009 χ^2/NDF: 1670114341521

All: -4945.913+/-0.006 χ^2/NDF: 3334404675

- sign -4123.990+/-0.009 χ^2/NDF: 16628042850591

yield_bpm0i07WS_rms vs Slug



Right In: 28.235+/-0.006 χ^2/NDF: 21655282.3/33

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

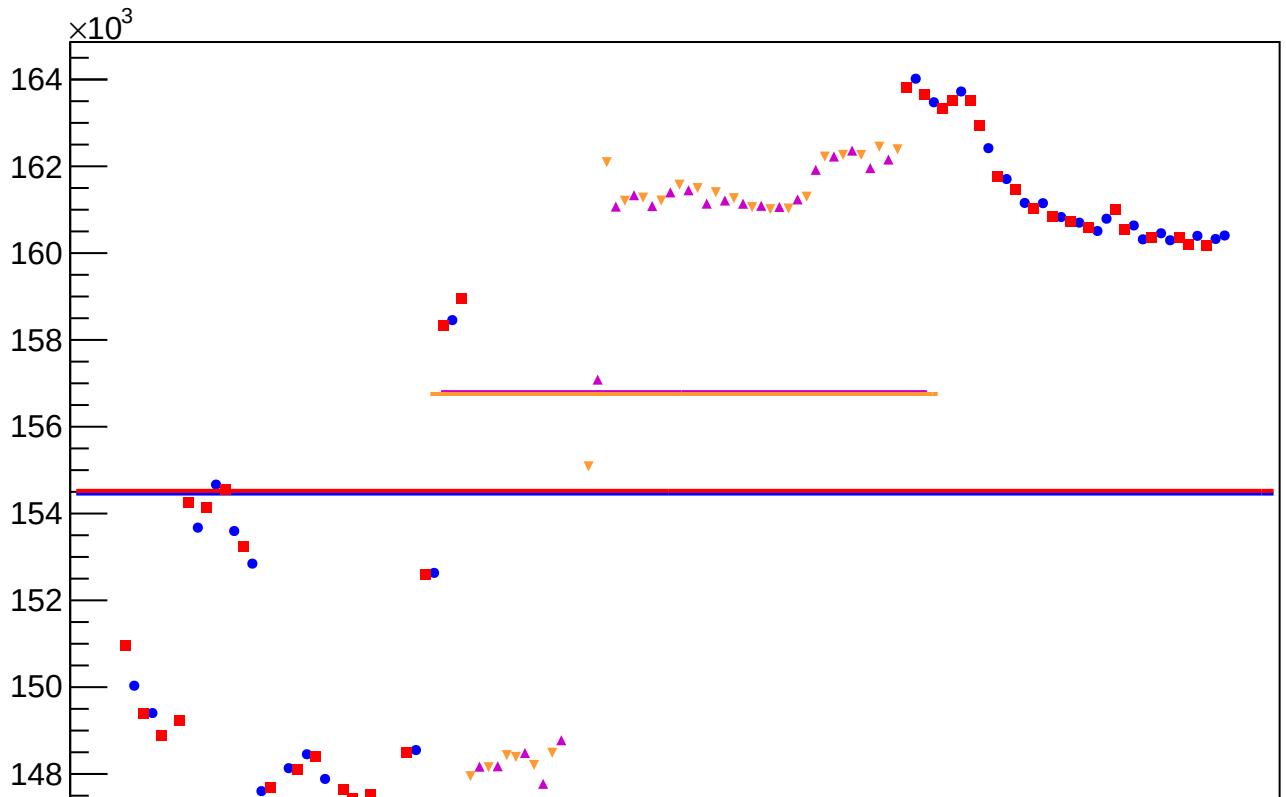
Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.864+/-0.006 χ^2/NDF: 49729541.8/58

All: 34.475+/-0.004 χ^2/NDF: 96046388.4/118

- sign 35.177+/-0.007 χ^2/NDF: 46295166.3/59



Right In: 154460.131+/-0.051 χ^2/NDF: 13380951275.8/33

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154523.179+/-0.049 χ^2/NDF: 13795921348.8/36

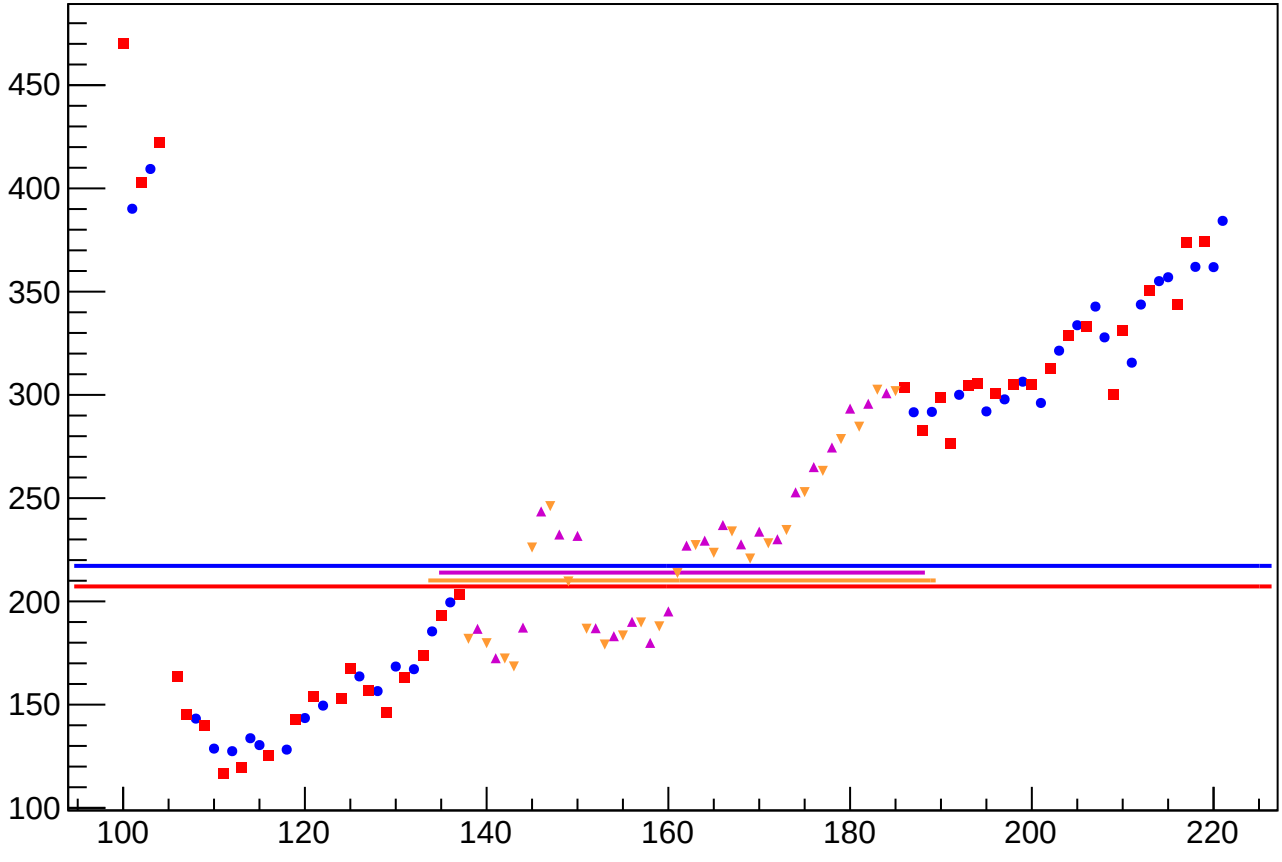
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155651.638+/-0.035 χ^2/NDF: 30830952346.

All: 155635.409+/-0.025 χ^2/NDF: 60004625

- sign 155618.892+/-0.035 χ^2/NDF: 29173240169.

yield_bpm0i01WS_rms vs Slug



Right In: 217.198+/-0.036 χ^2/NDF: 6394554.9/33

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

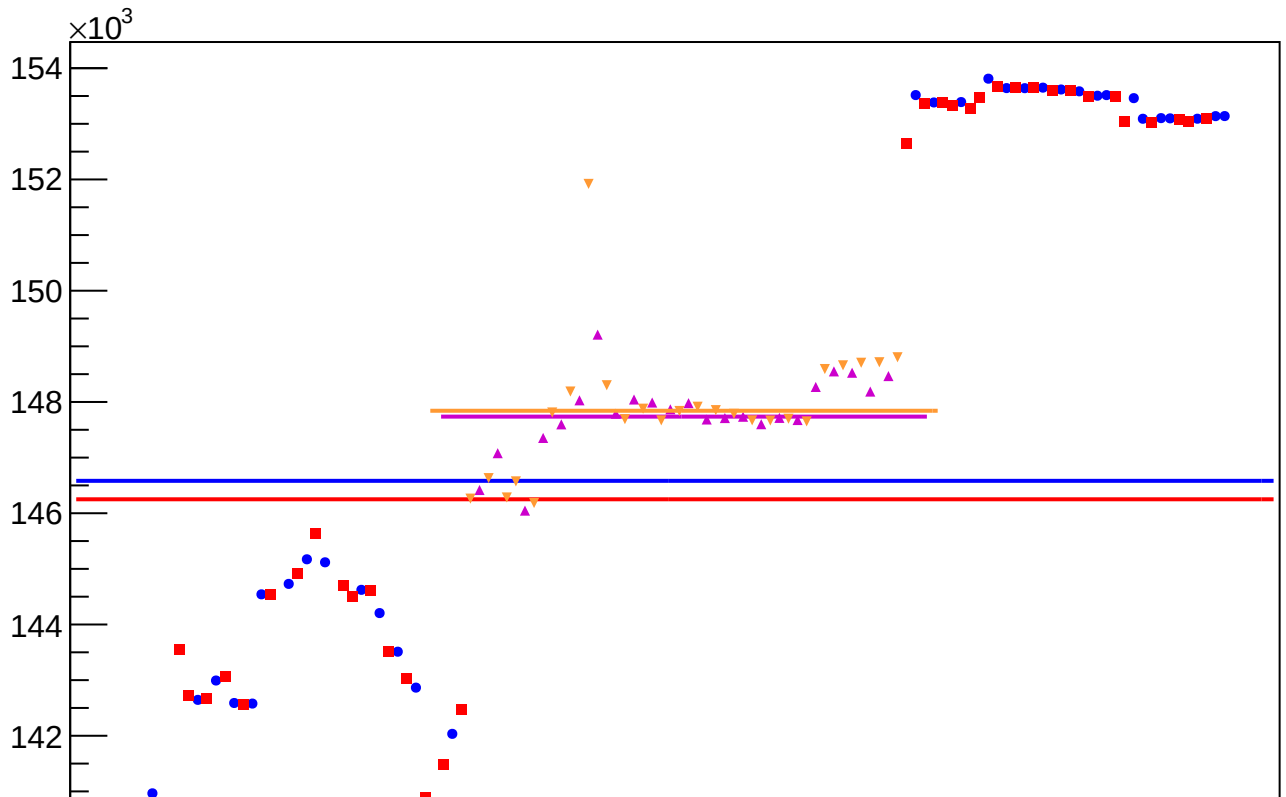
Right Out: 207.241+/-0.035 χ^2/NDF: 6400022.2/36

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 213.533+/-0.025 χ^2/NDF: 7412585.9/58

All: 212.015+/-0.018 χ^2/NDF: 14752587.7/11

- sign 210.470+/-0.025 χ^2/NDF: 7332433.7/59



Right In: 146582.432+/-0.044 χ^2/NDF: 12262721841.8/33

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 146250.671+/-0.042 χ^2/NDF: 12727851622.8/36

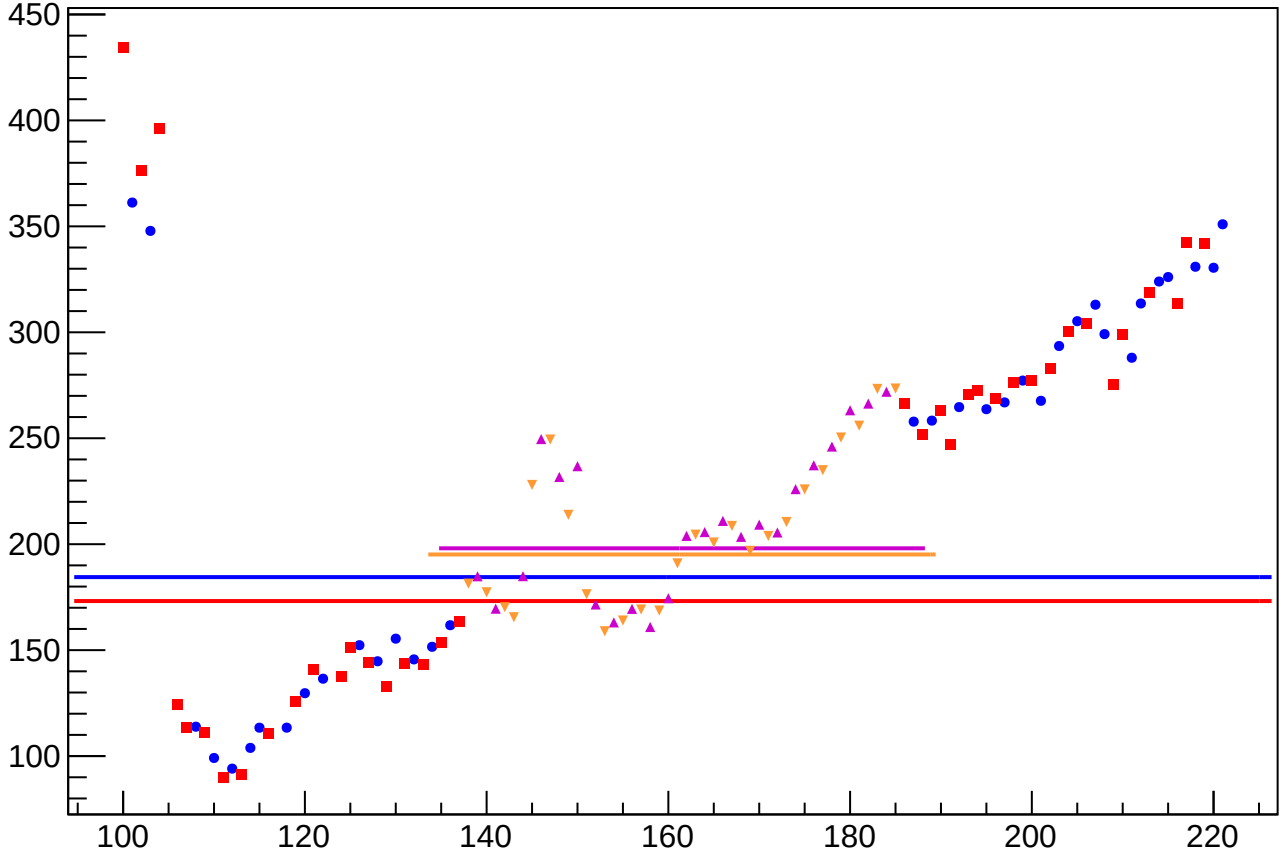
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 147192.366+/-0.031 χ^2/NDF: 13377676914.4

All: 147047.374+/-0.022 χ^2/NDF: 26931203

- sign 146903.568+/-0.031 χ^2/NDF: 13511066142.6

yield_bpm0i01aWS_rms vs Slug



Right In: 184.464+/-0.031 χ^2/NDF: 7638903.4/33

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

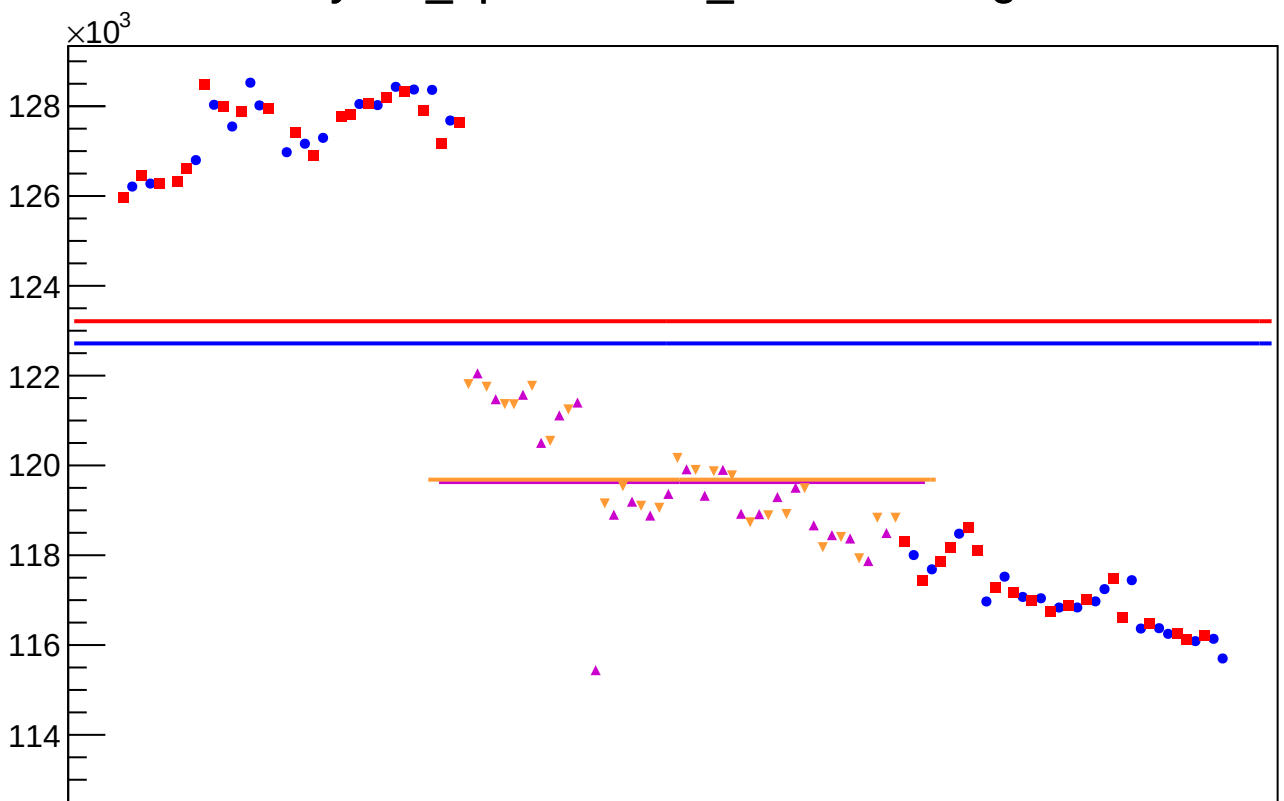
Right Out: 173.168+/-0.030 χ^2/NDF: 7840551.3/36

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 189.636+/-0.022 χ^2/NDF: 8600682.9/58

All: 186.858+/-0.016 χ^2/NDF: 17684775.6/11

- sign 184.103+/-0.022 χ^2/NDF: 9052918.6/59



Right In: 122717.075+/-0.043 χ^2/NDF: 15894390237.2/33

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123211.466+/-0.042 χ^2/NDF: 16053832372.4/36

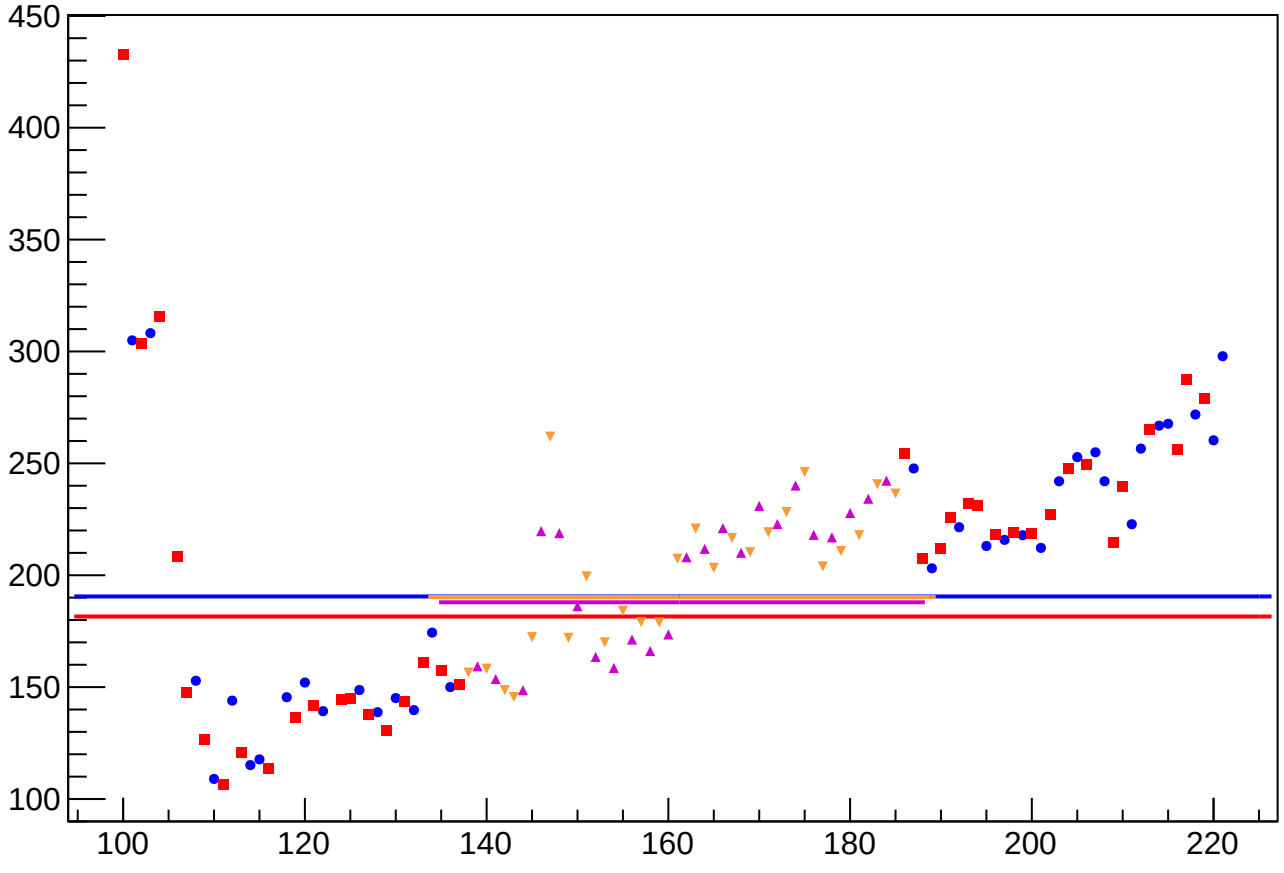
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121254.197+/-0.031 χ^2/NDF: 20312203460.7

All: 121410.310+/-0.022 χ^2/NDF: 41158321

- sign 121564.097+/-0.031 χ^2/NDF: 20794914534.0

yield_bpm0l01WS_rms vs Slug



Right In: 190.527+/-0.030 χ^2/NDF: 3361374.1/33

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

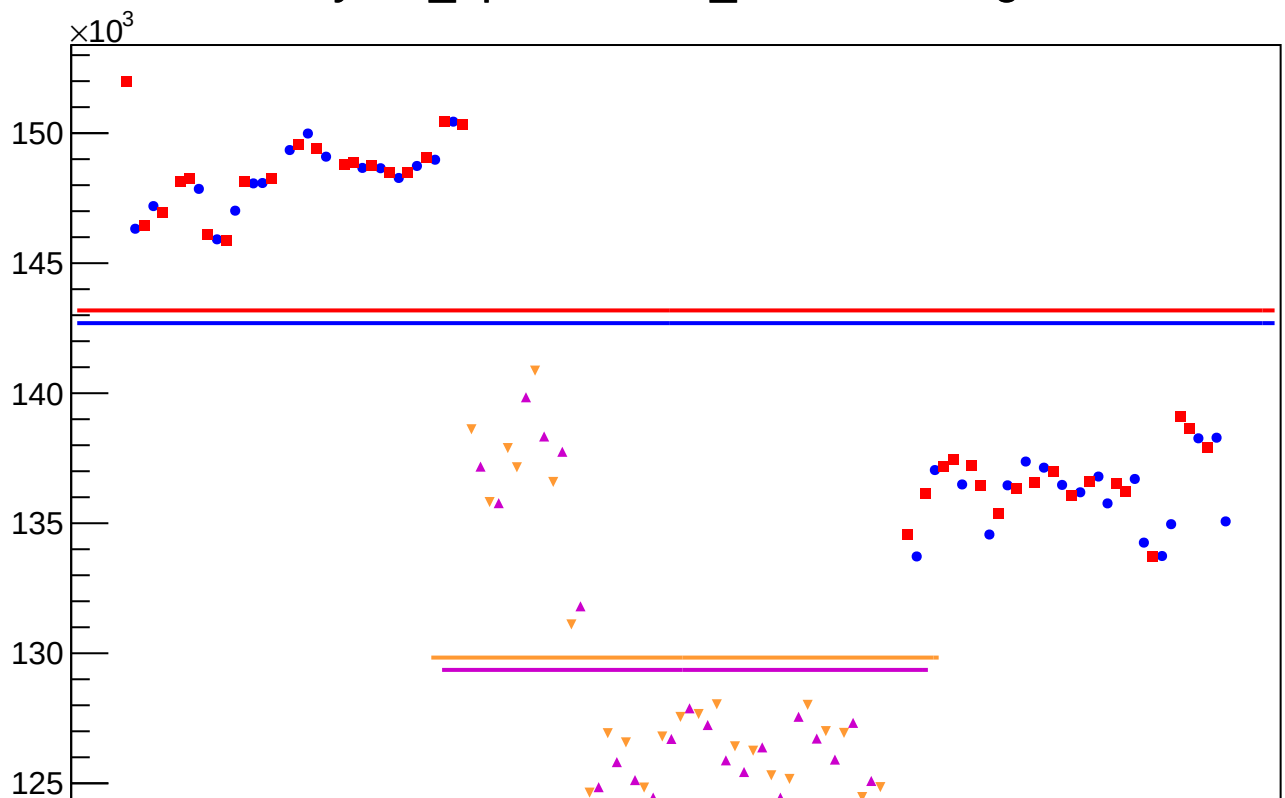
Right Out: 181.569+/-0.029 χ^2/NDF: 3716483.5/36

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 190.416+/-0.022 χ^2/NDF: 4285944.2/58

All: 187.428+/-0.015 χ^2/NDF: 8987438.8/118

- sign 184.485+/-0.022 χ^2/NDF: 4663976.5/59



Right In: 142694.433+/-0.060 χ^2/NDF: 11173148079.5/33

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143183.537+/-0.058 χ^2/NDF: 10675208279.5/36

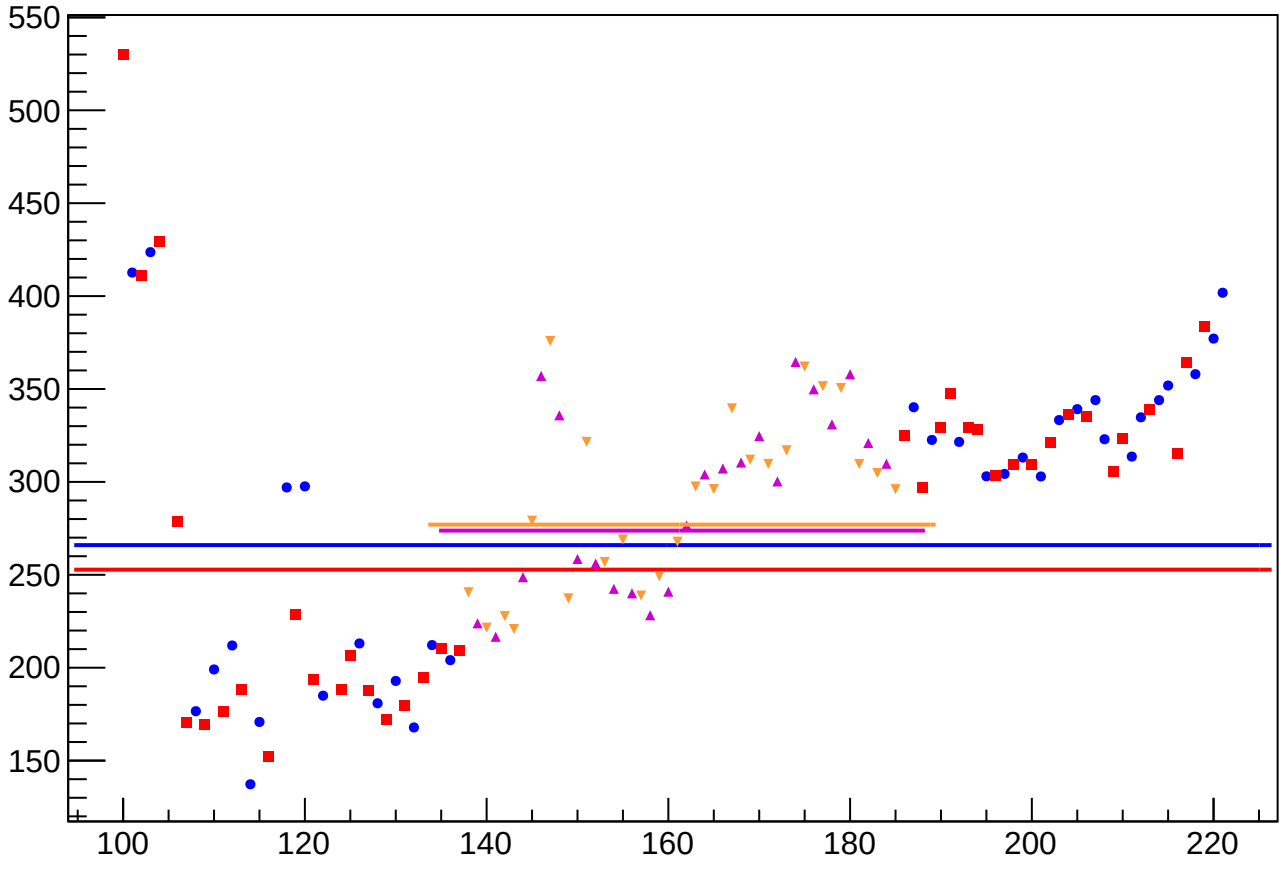
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136744.205+/-0.044 χ^2/NDF: 39526835353.

All: 136944.456+/-0.031 χ^2/NDF: 82049600

- sign 137140.527+/-0.043 χ^2/NDF: 42481147778.2

yield_bpm0l02WS_rms vs Slug



Right In: 265.978+/-0.042 χ^2/NDF: 3327326.9/33

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

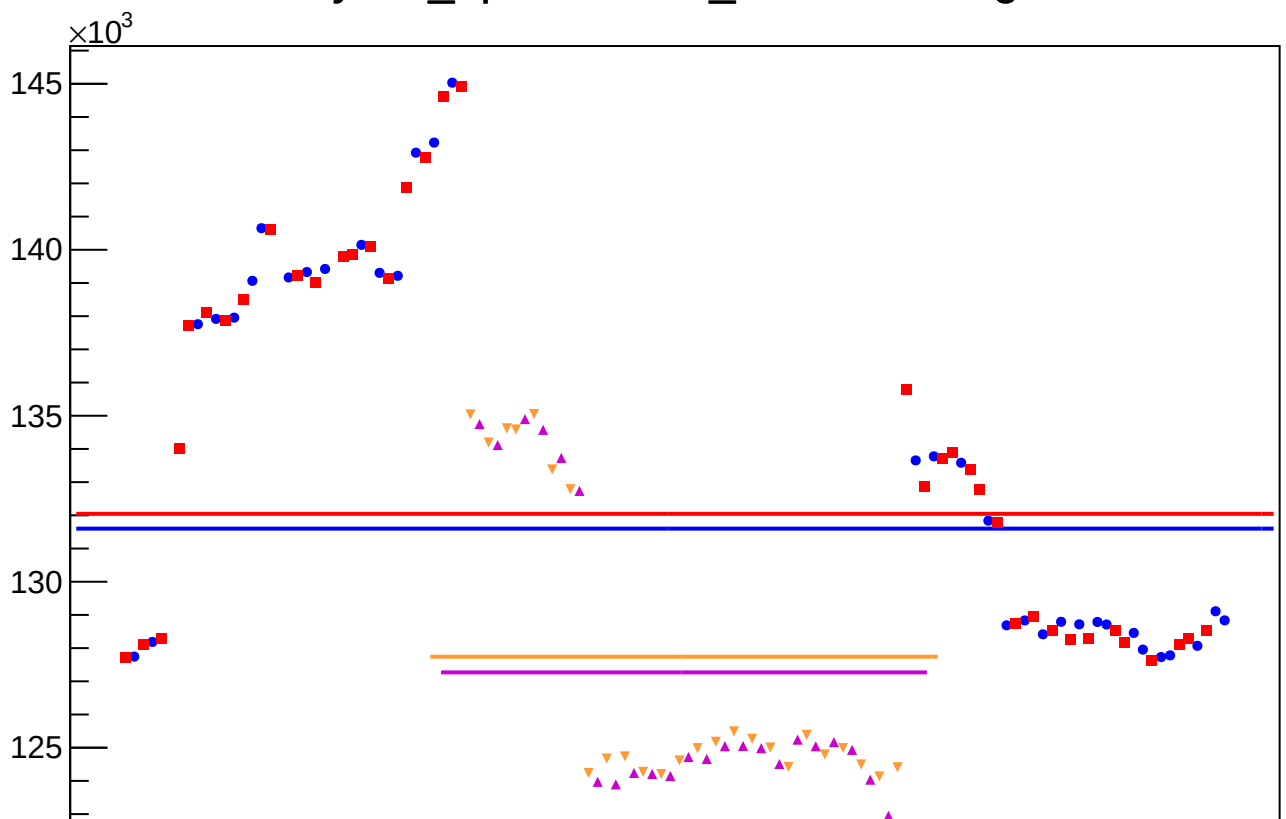
Right Out: 252.766+/-0.041 χ^2/NDF: 3403553.3/36

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 271.088+/-0.031 χ^2/NDF: 4305722.1/58

All: 266.473+/-0.022 χ^2/NDF: 8873815.2/118

- sign 261.955+/-0.031 χ^2/NDF: 4523892.9/59



Right In: 131599.763+/-0.093 χ^2/NDF: 3033855329.9/33

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132045.486+/-0.097 χ^2/NDF: 2258714248.2/36

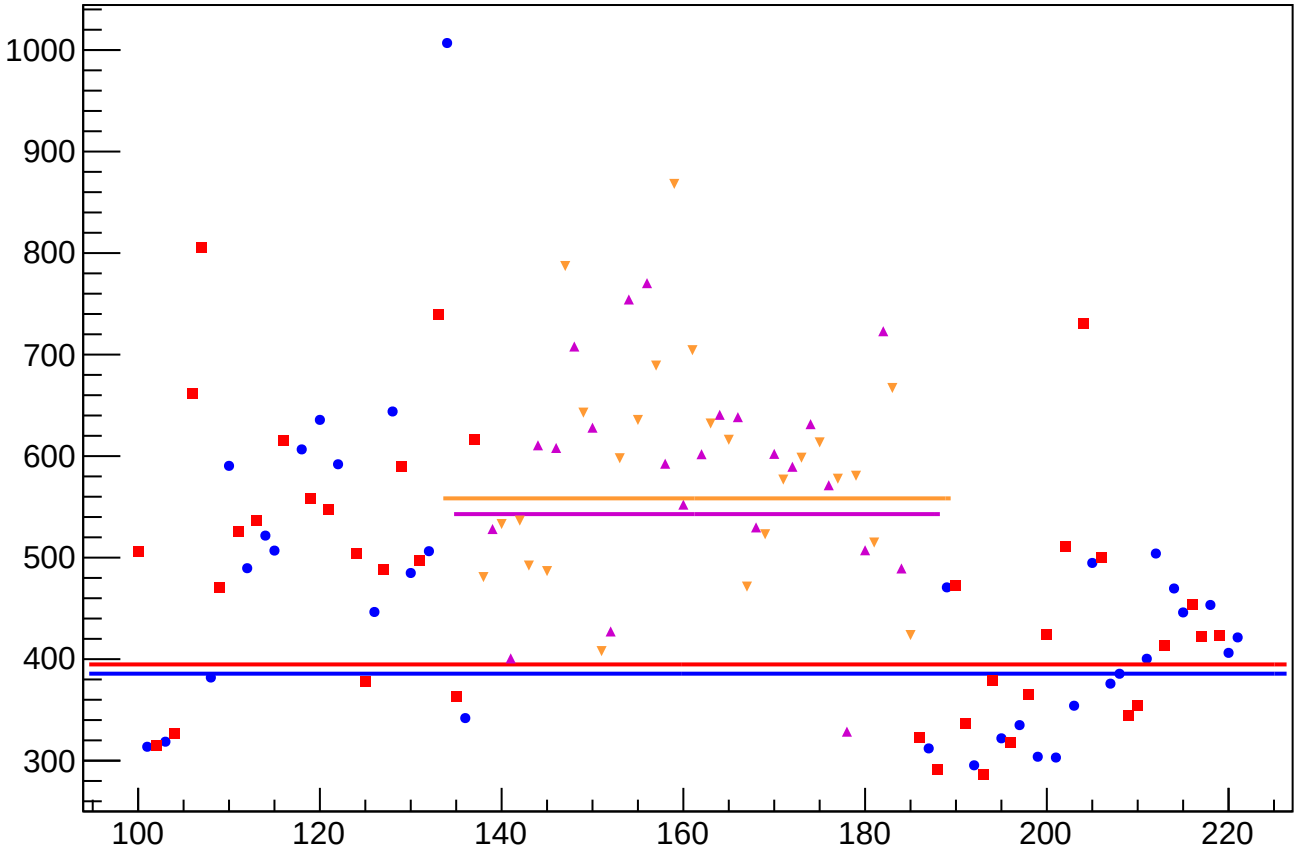
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130367.707+/-0.077 χ^2/NDF: 4677769463.9

All: 130419.165+/-0.055 χ^2/NDF: 87060646

- sign 130474.554+/-0.079 χ^2/NDF: 4027358350.3/

yield_bpm0l03WS_rms vs Slug



Right In: 385.694+/-0.066 χ^2/NDF: 1813035.3/33

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

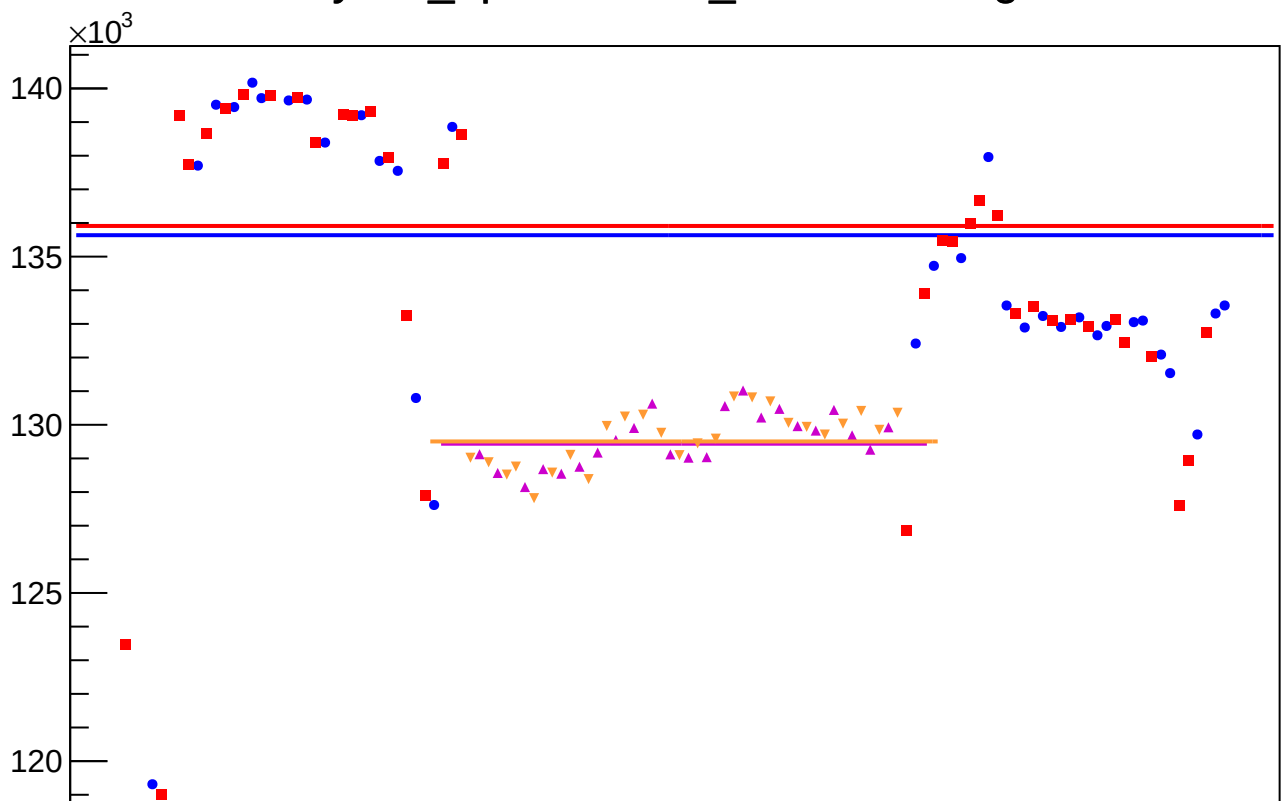
Right Out: 394.801+/-0.069 χ^2/NDF: 2040800.3/36

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 440.830+/-0.054 χ^2/NDF: 4989850.4/58

All: 442.114+/-0.039 χ^2/NDF: 9980497.1/118

- sign 443.495+/-0.056 χ^2/NDF: 4989481.1/59



Right In: 135637.068+/-0.055 χ^2/NDF: 7113810841.5/33

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135911.818+/-0.053 χ^2/NDF: 7856929614.9/36

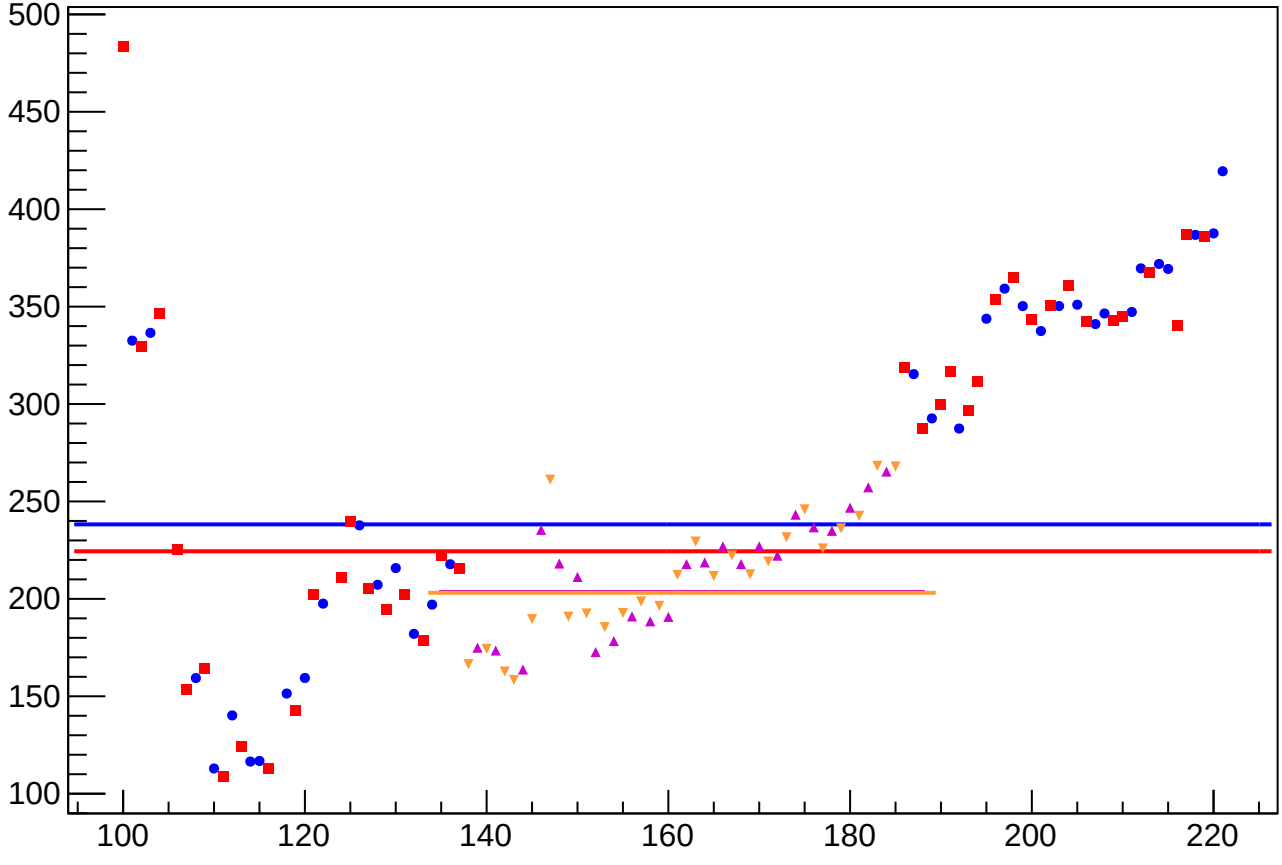
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132067.038+/-0.036 χ^2/NDF: 14526417306.

All: 132216.694+/-0.025 χ^2/NDF: 30770895

- sign 132366.190+/-0.036 χ^2/NDF: 16209662333.8

yield_bpm0l04WS_rms vs Slug



Right In: 238.235+/-0.039 χ^2/NDF: 6059548.5/33

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

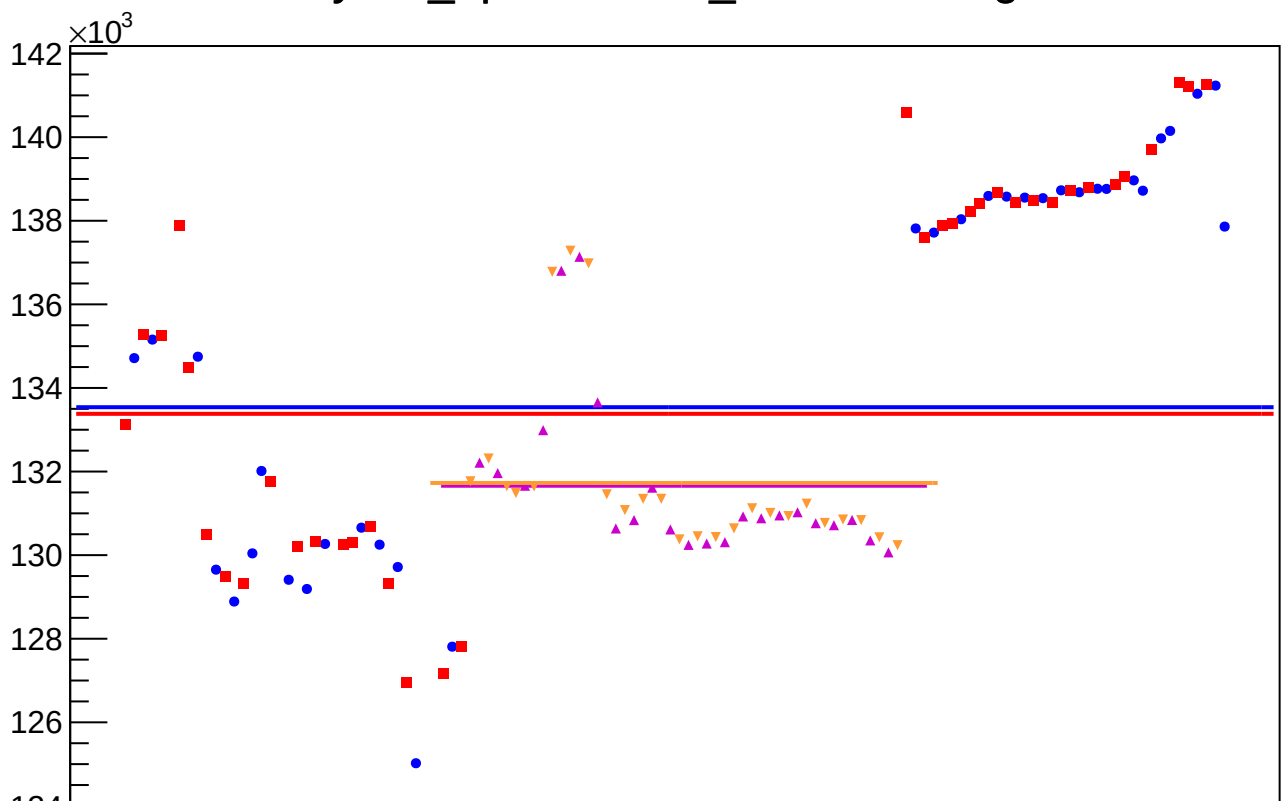
Right Out: 224.421+/-0.038 χ^2/NDF: 6325746.0/36

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 217.797+/-0.025 χ^2/NDF: 7284255.2/58

All: 215.392+/-0.018 χ^2/NDF: 14462097.2/11

- sign 212.989+/-0.025 χ^2/NDF: 7159856.4/59



Right In: 133539.316+/-0.049 χ^2/NDF: 11067744558.3/33

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133380.842+/-0.048 χ^2/NDF: 10923268045.2/36

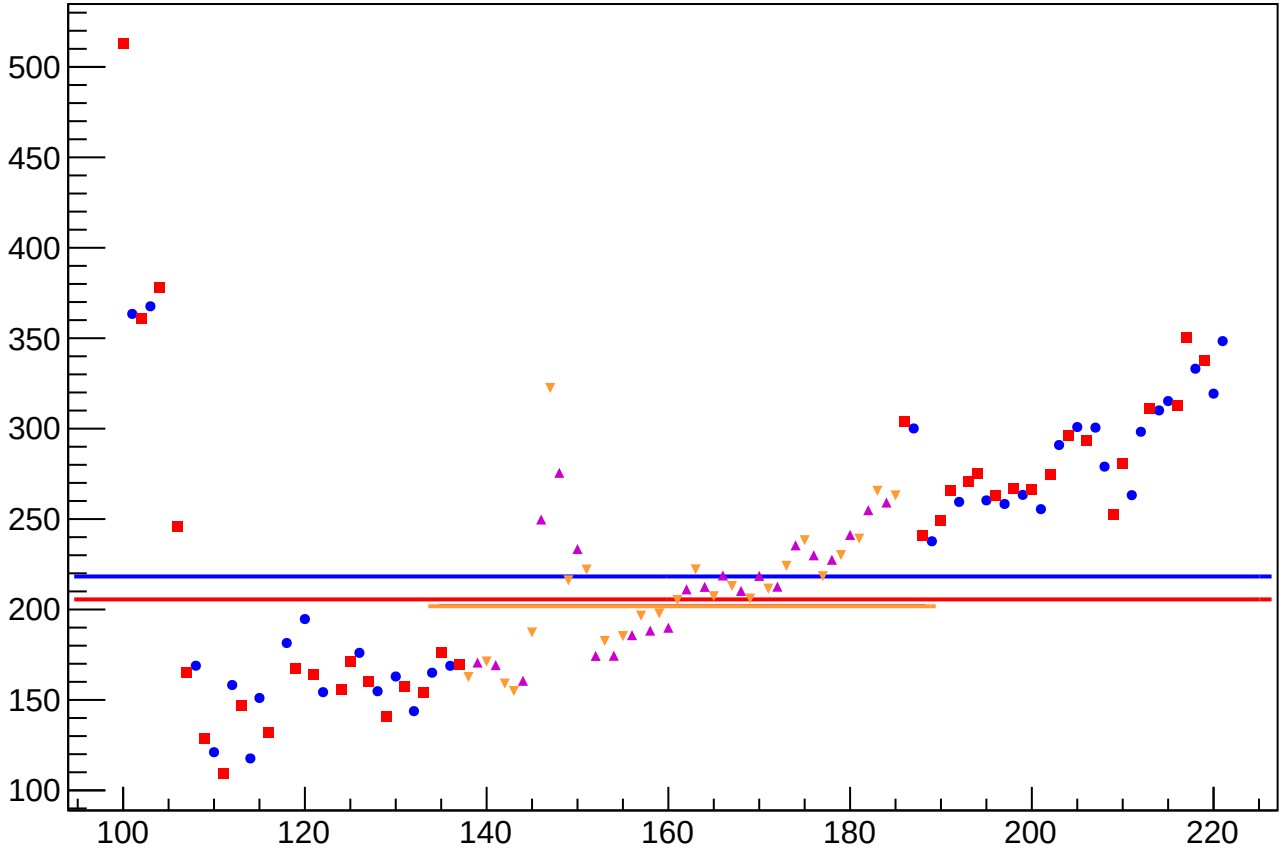
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132583.873+/-0.034 χ^2/NDF: 13200334168.

All: 132556.384+/-0.024 χ^2/NDF: 25933104

- sign 132529.083+/-0.034 χ^2/NDF: 12731468525.5

yield_bpm0l05WS_rms vs Slug



Right In: 218.261+/-0.035 χ^2/NDF: 4033393.3/33

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 205.584+/-0.034 χ^2/NDF: 4651509.2/36

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 209.581+/-0.024 χ^2/NDF: 5055528.1/58

All: 206.672+/-0.017 χ^2/NDF: 10544649.3/11

- sign 203.783+/-0.024 χ^2/NDF: 5459964.1/59

Right In: 3573.936+/-0.005 χ^2/NDF: 5893255619501.5/33

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3969.416+/-0.005 χ^2/NDF: 6454135559593.5/36

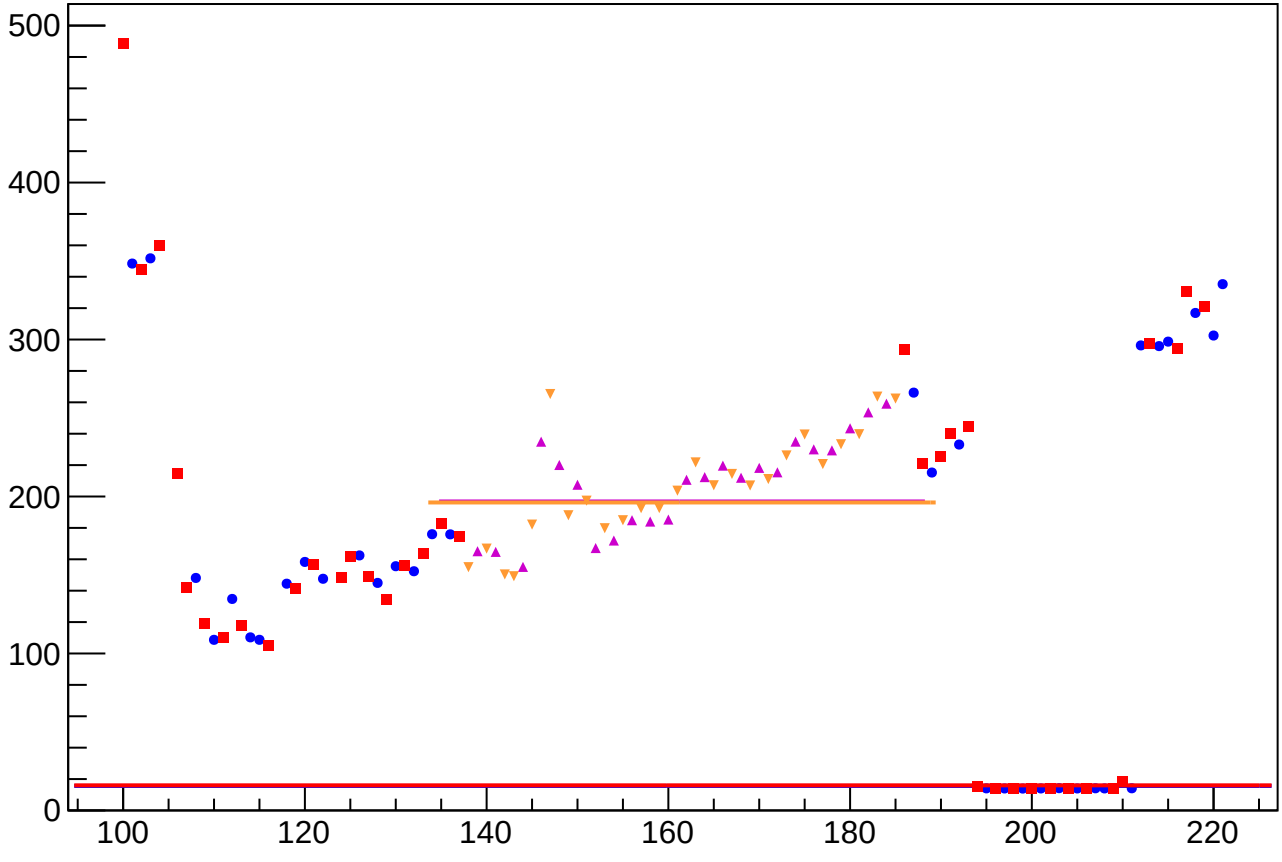
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5103.026+/-0.005 χ^2/NDF: 13409028733844

All: 5348.317+/-0.004 χ^2/NDF: 2685794723

- sign 5633.524+/-0.005 χ^2/NDF: 13443758632363

yield_bpm0l06WS_rms vs Slug



Right In: 15.623+/-0.004 χ^2/NDF: 24102191.8/33

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

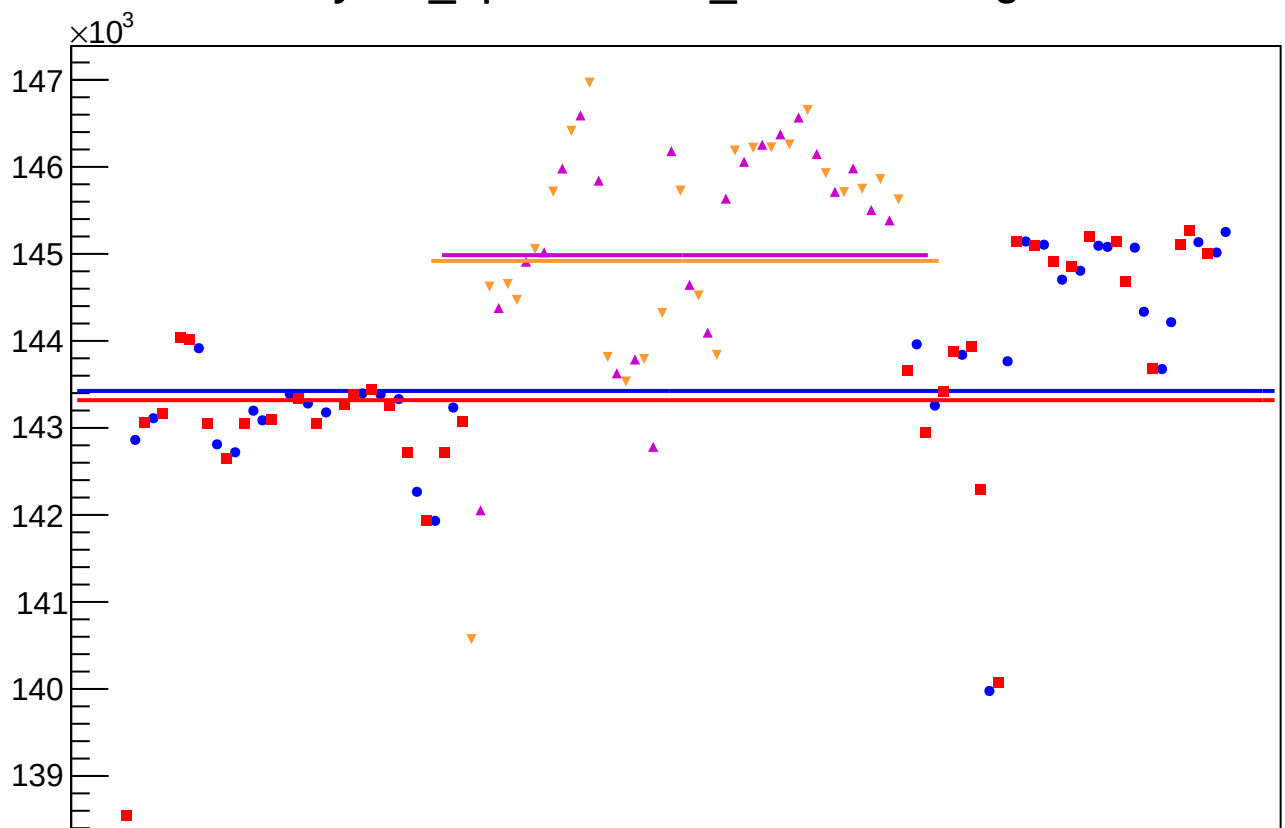
Right Out: 15.992+/-0.004 χ^2/NDF: 22576644.9/36

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 17.823+/-0.004 χ^2/NDF: 56155703.2/58

All: 18.092+/-0.003 χ^2/NDF: 108863059.1/11

- sign 18.404+/-0.004 χ^2/NDF: 52695005.0/59



Right In: 143424.963+/-0.053 χ^2/NDF: 346155713.8/33

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143319.087+/-0.051 χ^2/NDF: 335885206.3/36

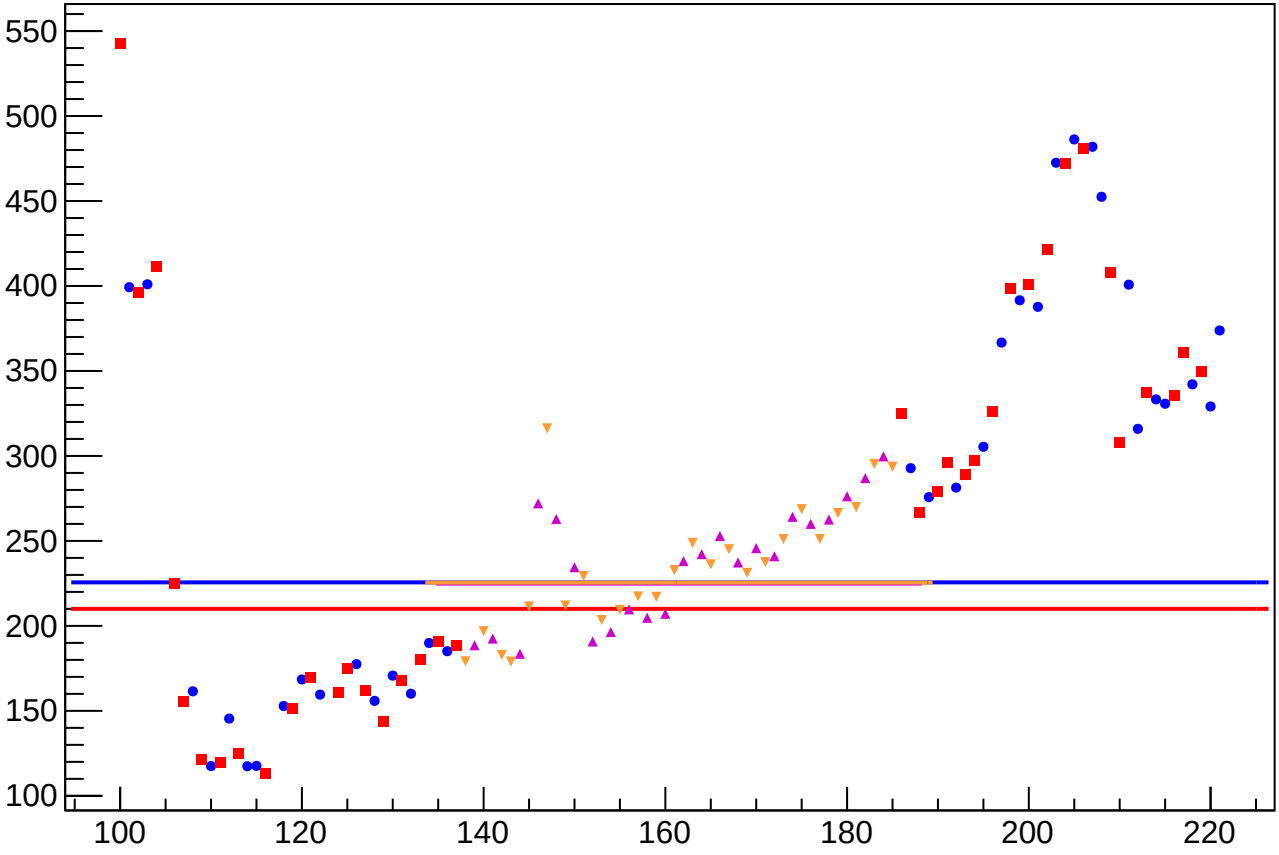
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144188.166+/-0.037 χ^2/NDF: 1582275018.0

All: 144147.397+/-0.026 χ^2/NDF: 30490393

- sign 144107.650+/-0.037 χ^2/NDF: 1464407994.3/

yield_bpm0l07WS_rms vs Slug



Right In: 225.600+/-0.038 χ^2/NDF: 7385297.6/33

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

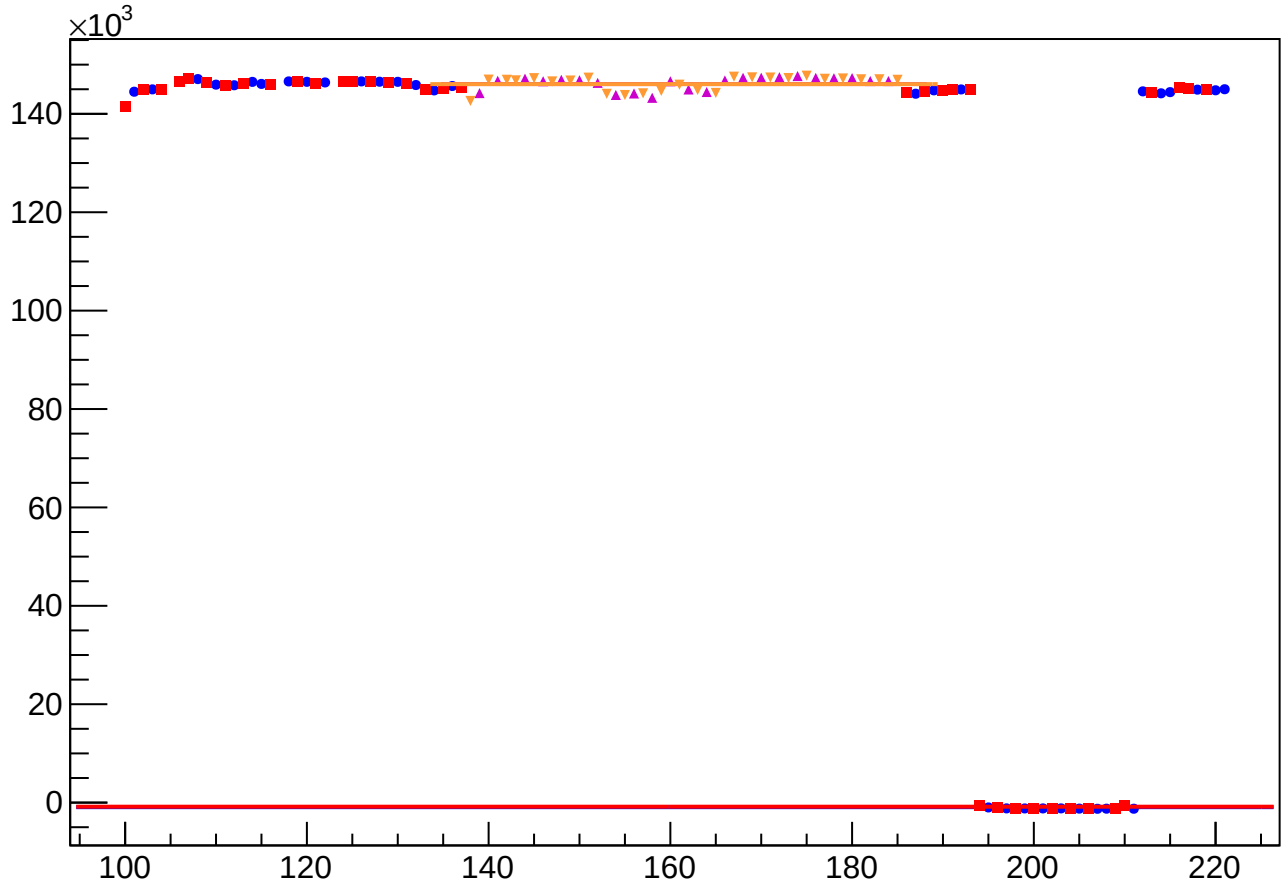
Right Out: 210.032+/-0.036 χ^2/NDF: 7747646.7/36

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 225.538+/-0.026 χ^2/NDF: 8160668.4/58

All: 221.241+/-0.019 χ^2/NDF: 16765278.7/11

- sign 217.052+/-0.026 χ^2/NDF: 8552268.3/59



Right In: -923.287+/-0.003 χ^2/NDF: 6369827674589.5/33

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

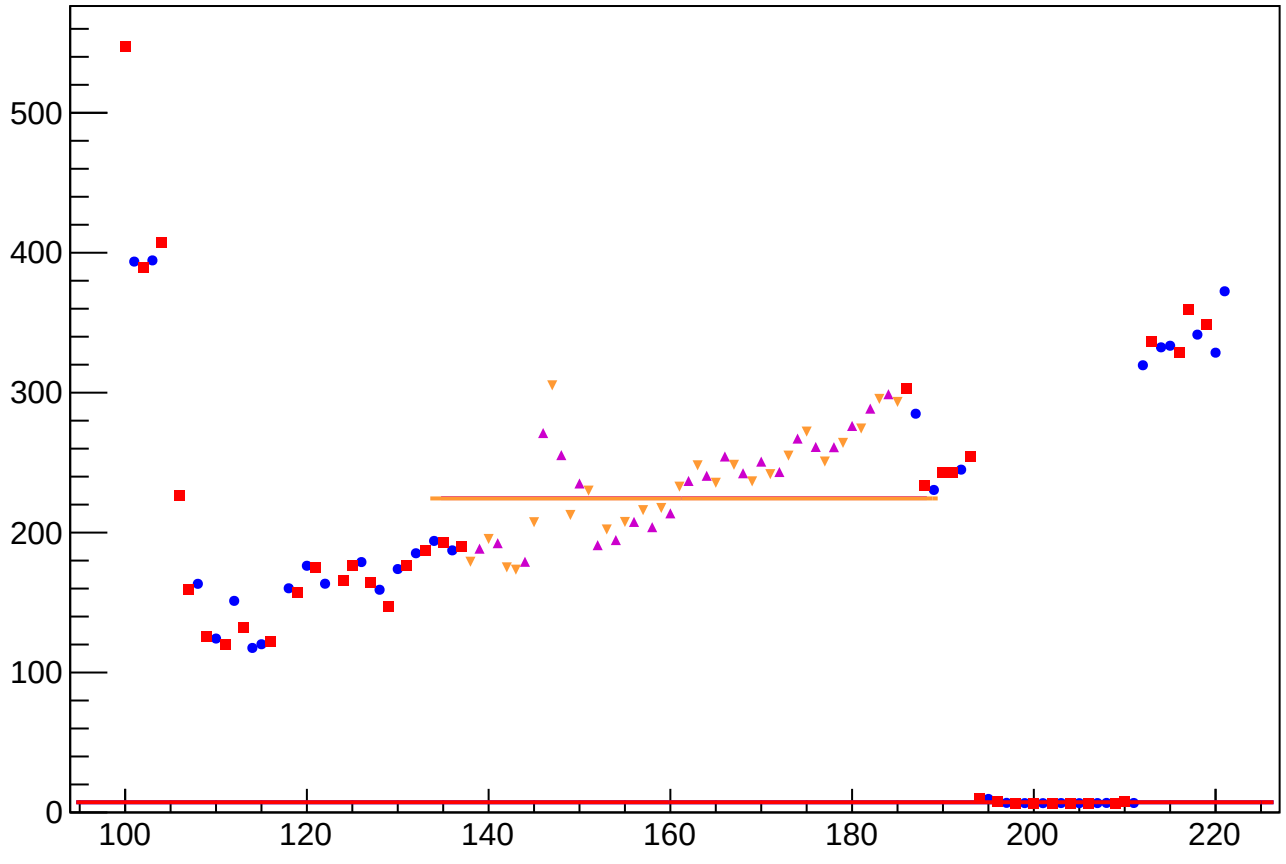
Right Out: -832.721+/-0.003 χ^2/NDF: 7070981053921.7/36

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -583.633+/-0.003 χ^2/NDF: 14336988946696

All: -528.221+/-0.002 χ^2/NDF: 2911801132

- sign -464.471+/-0.003 χ^2/NDF: 14573755961015.



Right In: 7.261+/-0.002 χ^2/NDF: 26371441.9/33

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

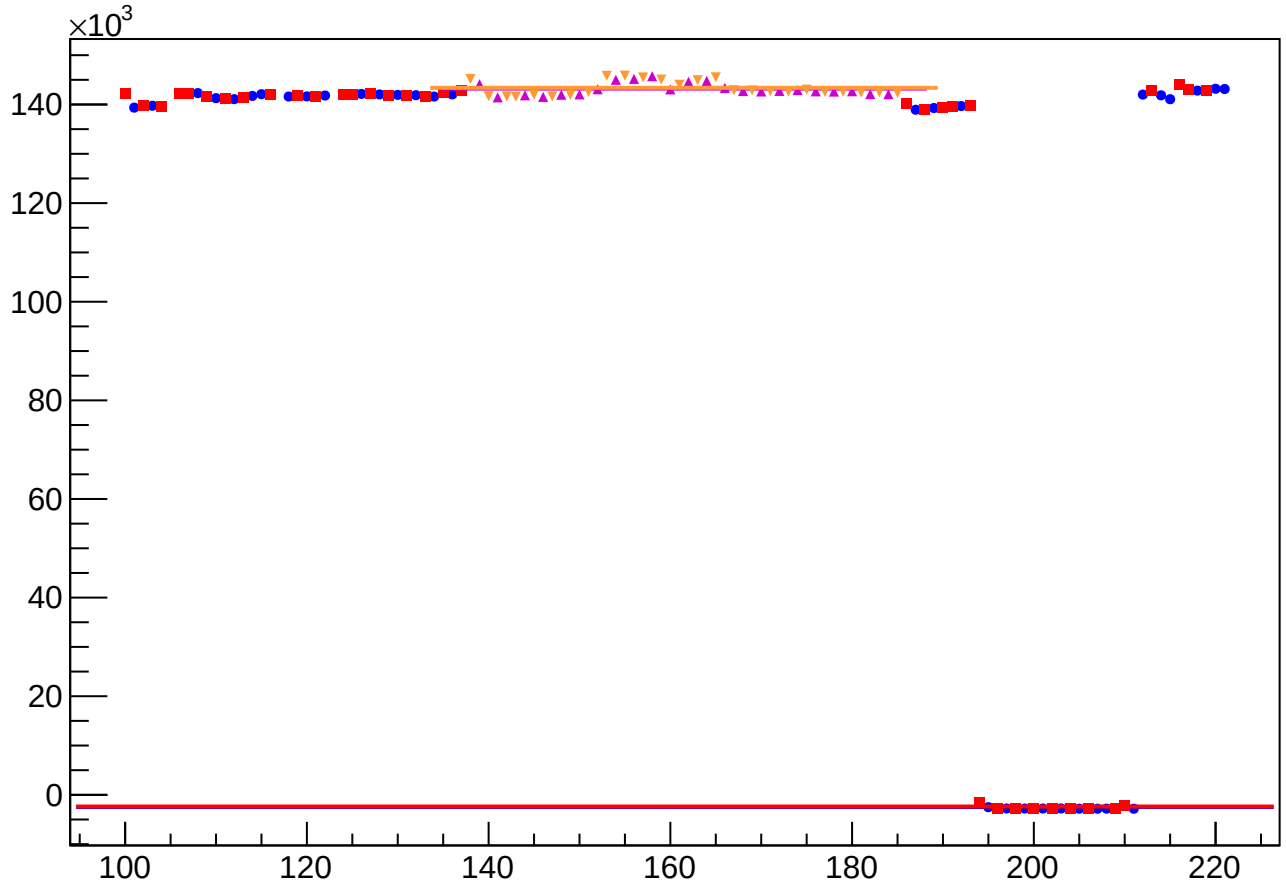
Right Out: 7.297+/-0.002 χ^2/NDF: 24871539.7/36

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.763+/-0.002 χ^2/NDF: 62003459.1/58

All: 7.799+/-0.001 χ^2/NDF: 120486369.7/118

- sign 7.842+/-0.002 χ^2/NDF: 58481981.8/59



Right In: -2464.633+/-0.003 χ^2/NDF: 5814020567395.5/33

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2368.817+/-0.003 χ^2/NDF: 6367953722242.8/36

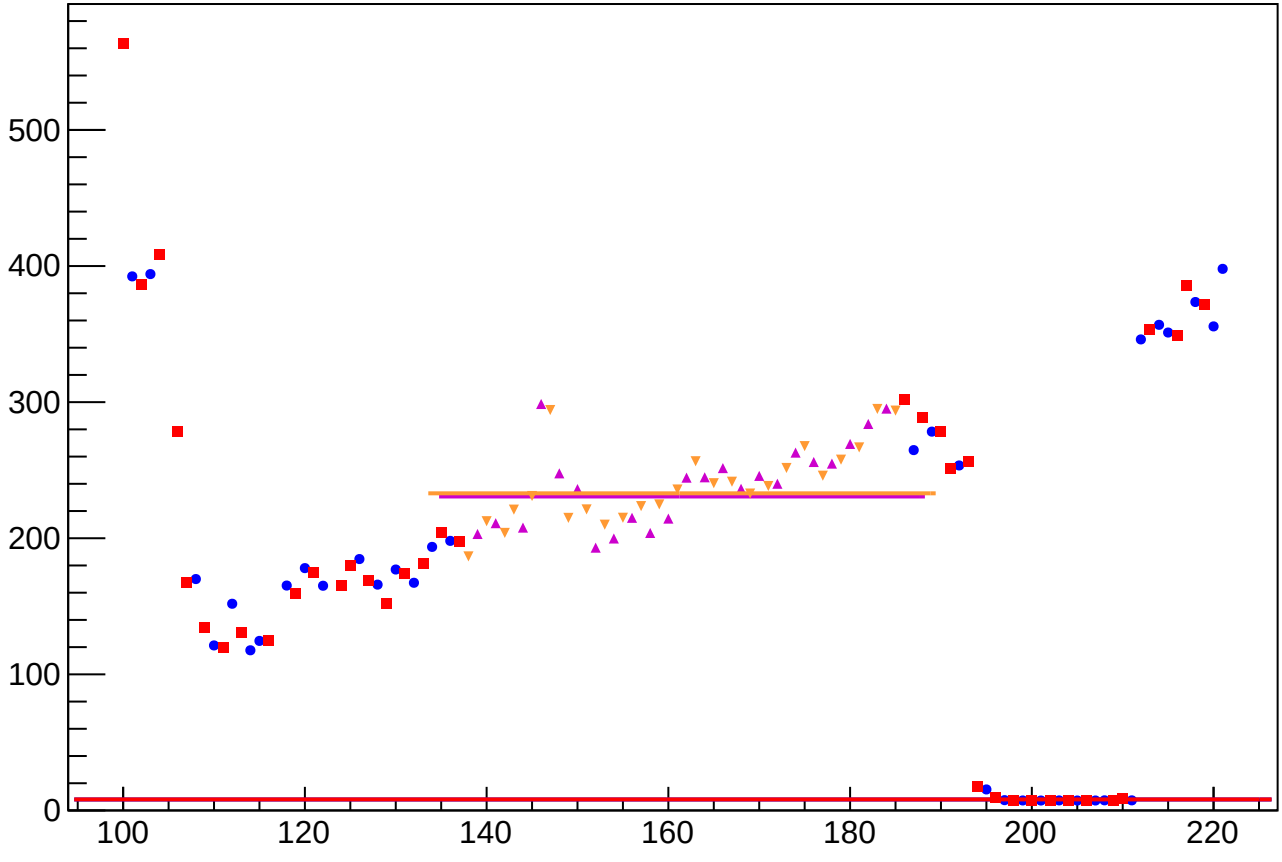
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2069.961+/-0.003 χ^2/NDF: 1317612491401

All: -2006.761+/-0.002 χ^2/NDF: 2657541105

- sign -1933.998+/-0.003 χ^2/NDF: 1339818428807

yield_bpm0l09WS_rms vs Slug



Right In: 8.051+/-0.002 χ^2/NDF: 26517601.1/33

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

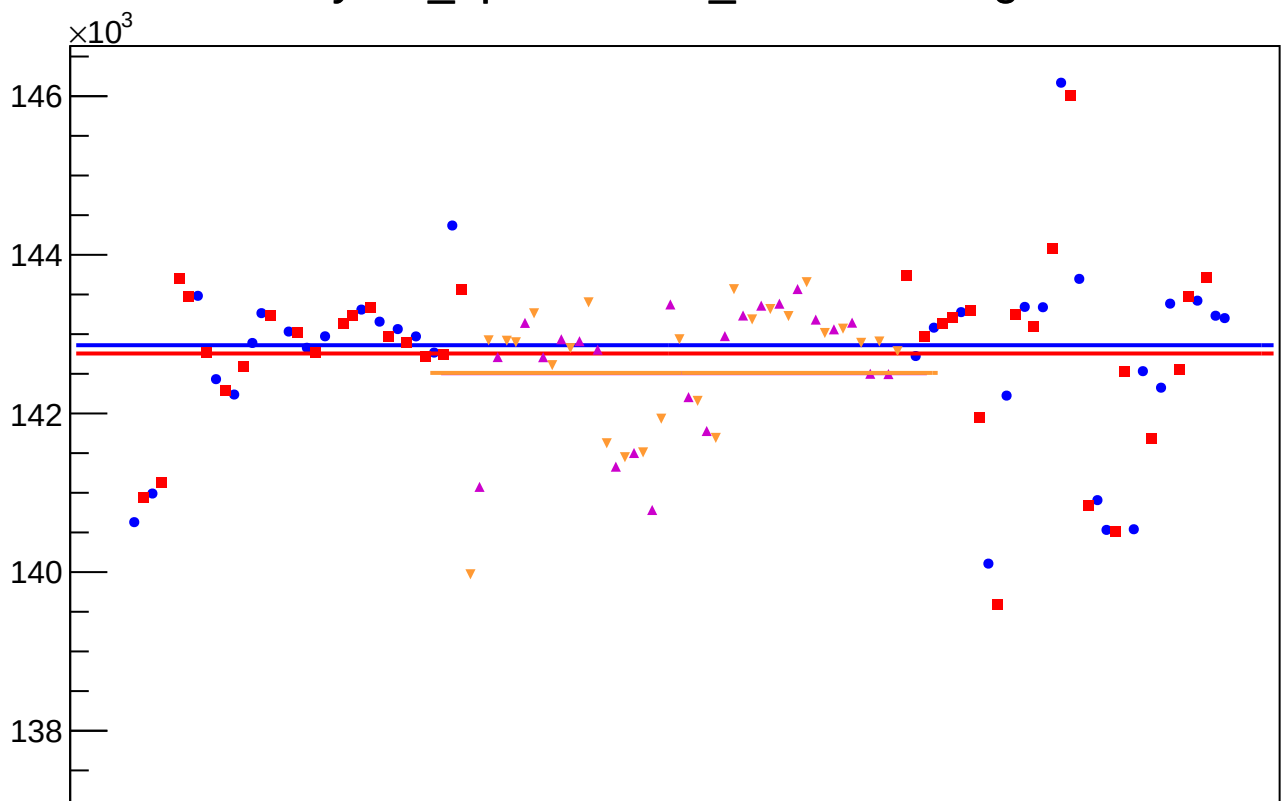
Right Out: 8.109+/-0.002 χ^2/NDF: 24898687.8/36

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.660+/-0.002 χ^2/NDF: 61986974.1/58

All: 8.713+/-0.001 χ^2/NDF: 120260573.2/118

- sign 8.774+/-0.002 χ^2/NDF: 58272051.7/59



Right In: 142860.515+/-0.056 χ^2/NDF: 304420071.7/33

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142756.107+/-0.053 χ^2/NDF: 256602722.0/36

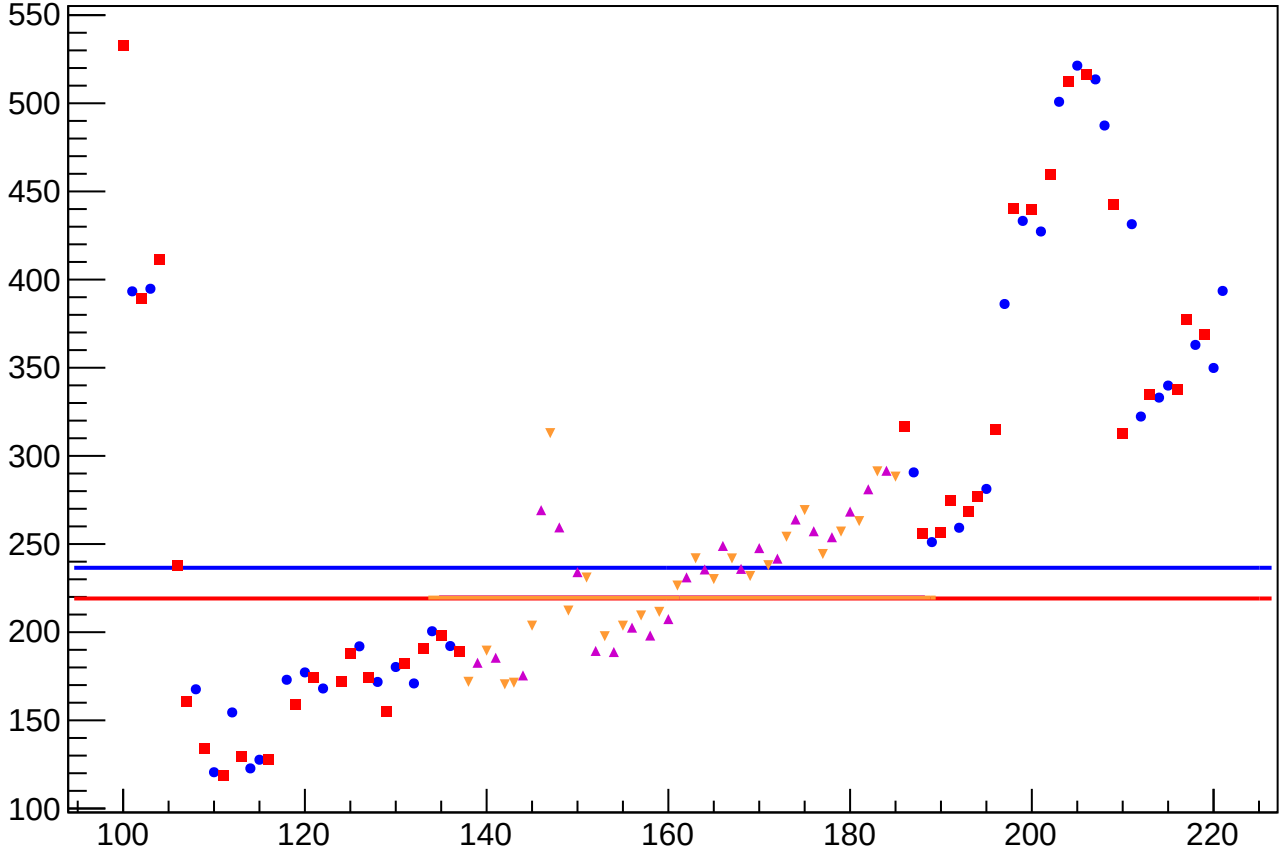
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142669.957+/-0.038 χ^2/NDF: 663876923.1/5

All: 142650.301+/-0.026 χ^2/NDF: 12014743

- sign 142631.105+/-0.037 χ^2/NDF: 537057411.7/5

yield_bpm0l10WS_rms vs Slug



Right In: 236.527+/-0.039 χ^2/NDF: 7087742.6/33

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

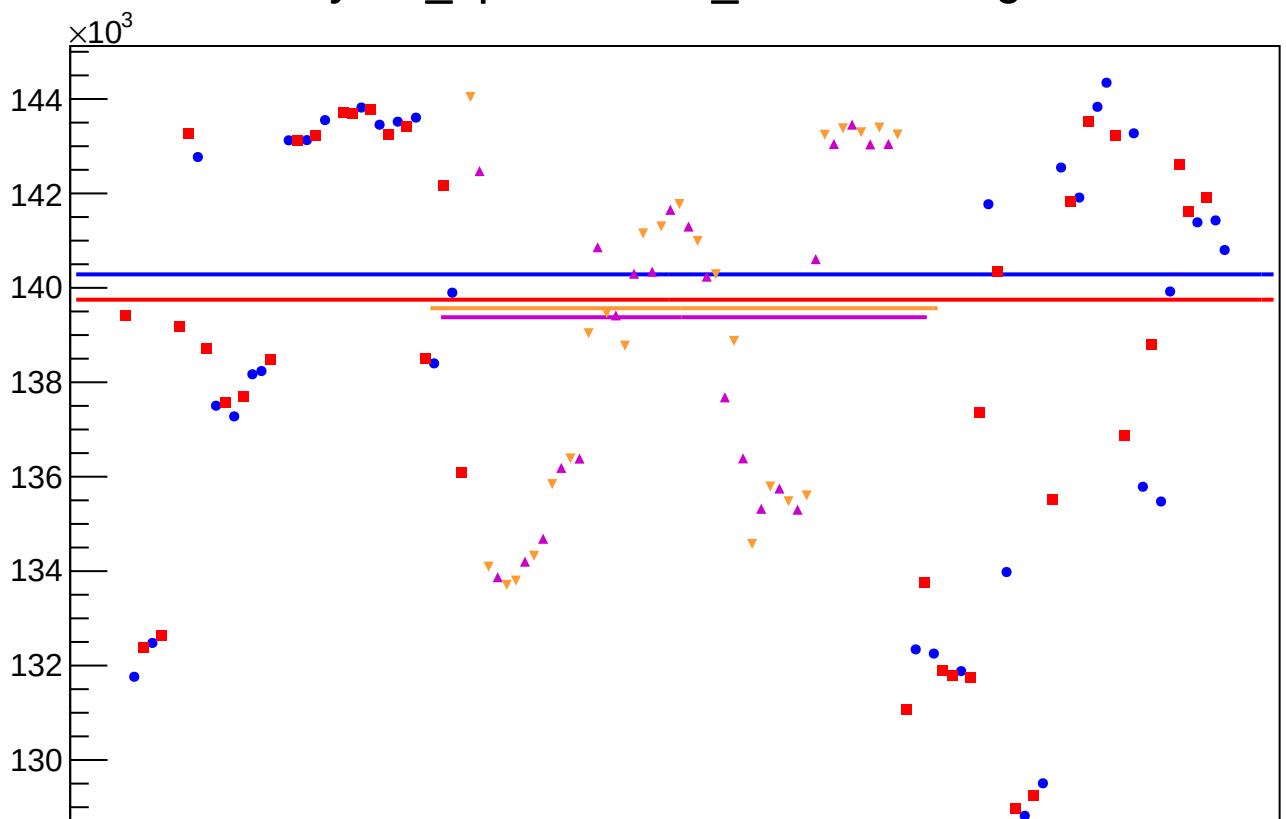
Right Out: 219.116+/-0.037 χ^2/NDF: 7338722.8/36

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 227.298+/-0.027 χ^2/NDF: 8090018.7/58

All: 223.336+/-0.019 χ^2/NDF: 16278305.3/1

- sign 219.467+/-0.026 χ^2/NDF: 8144400.8/59



Right In: 140285.348+/-0.076 χ^2/NDF: 2823675696.8/33

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139749.470+/-0.078 χ^2/NDF: 2898718252.6/36

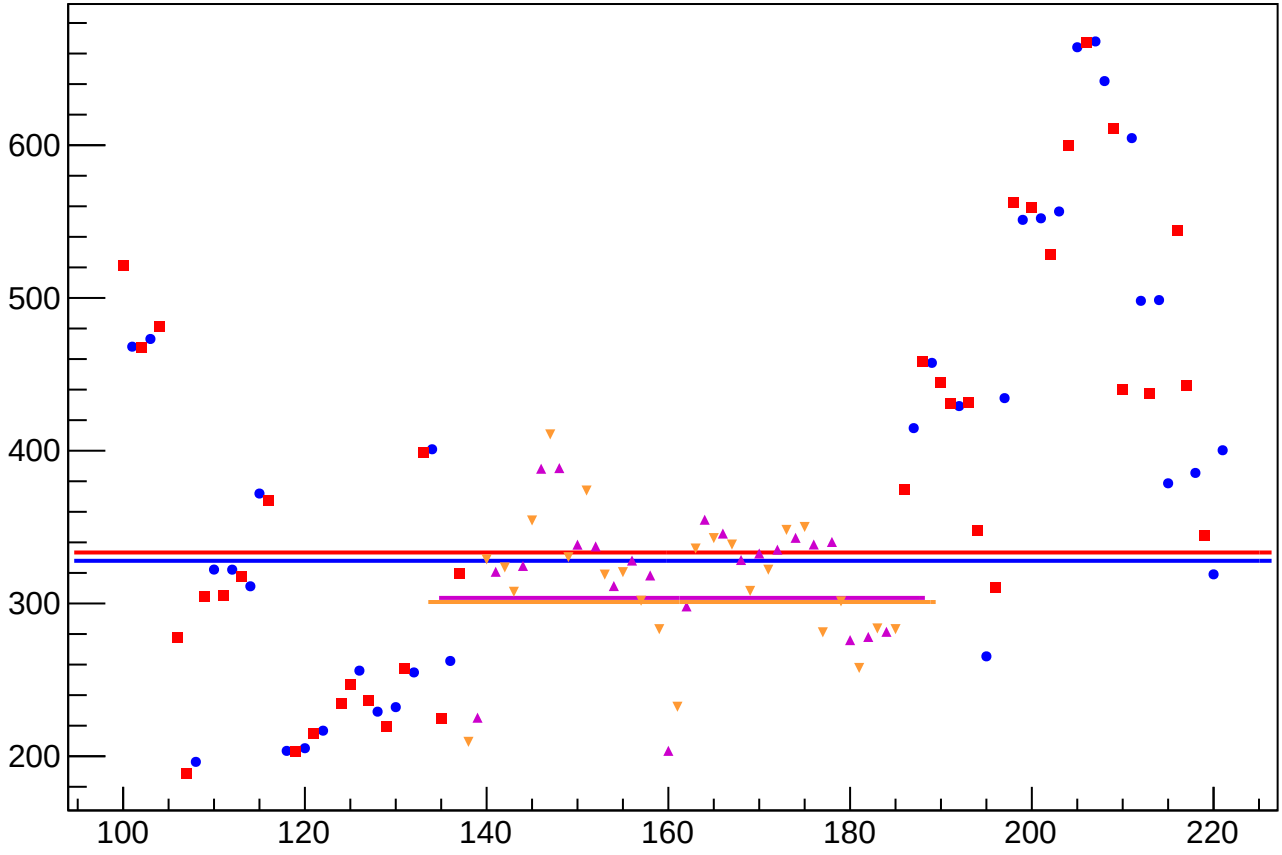
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139897.364+/-0.052 χ^2/NDF: 5458337147.0

All: 139730.040+/-0.037 χ^2/NDF: 10312440

- sign 139551.377+/-0.053 χ^2/NDF: 4832297540.5/

yield_bpm0r03WS_rms vs Slug



Right In: 327.934+/-0.054 χ^2/NDF: 5385027.4/33

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

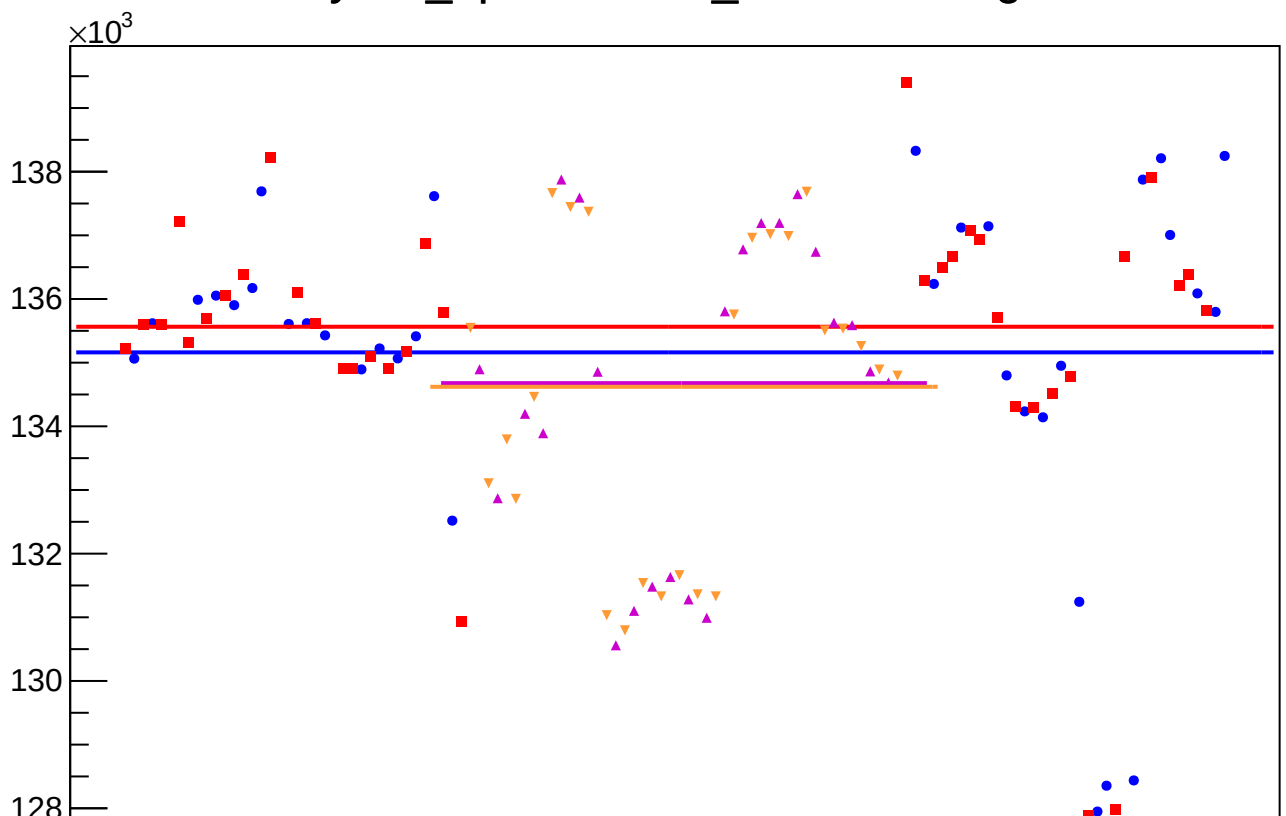
Right Out: 333.379+/-0.055 χ^2/NDF: 4846164.6/36

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 313.332+/-0.036 χ^2/NDF: 6397959.5/58

All: 315.371+/-0.026 χ^2/NDF: 12381987.0/11

- sign 317.548+/-0.038 χ^2/NDF: 5977551.2/59



Right In: 135161.565+/-0.075 χ^2/NDF: 932918759.7/33

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135564.195+/-0.070 χ^2/NDF: 785468480.5/36

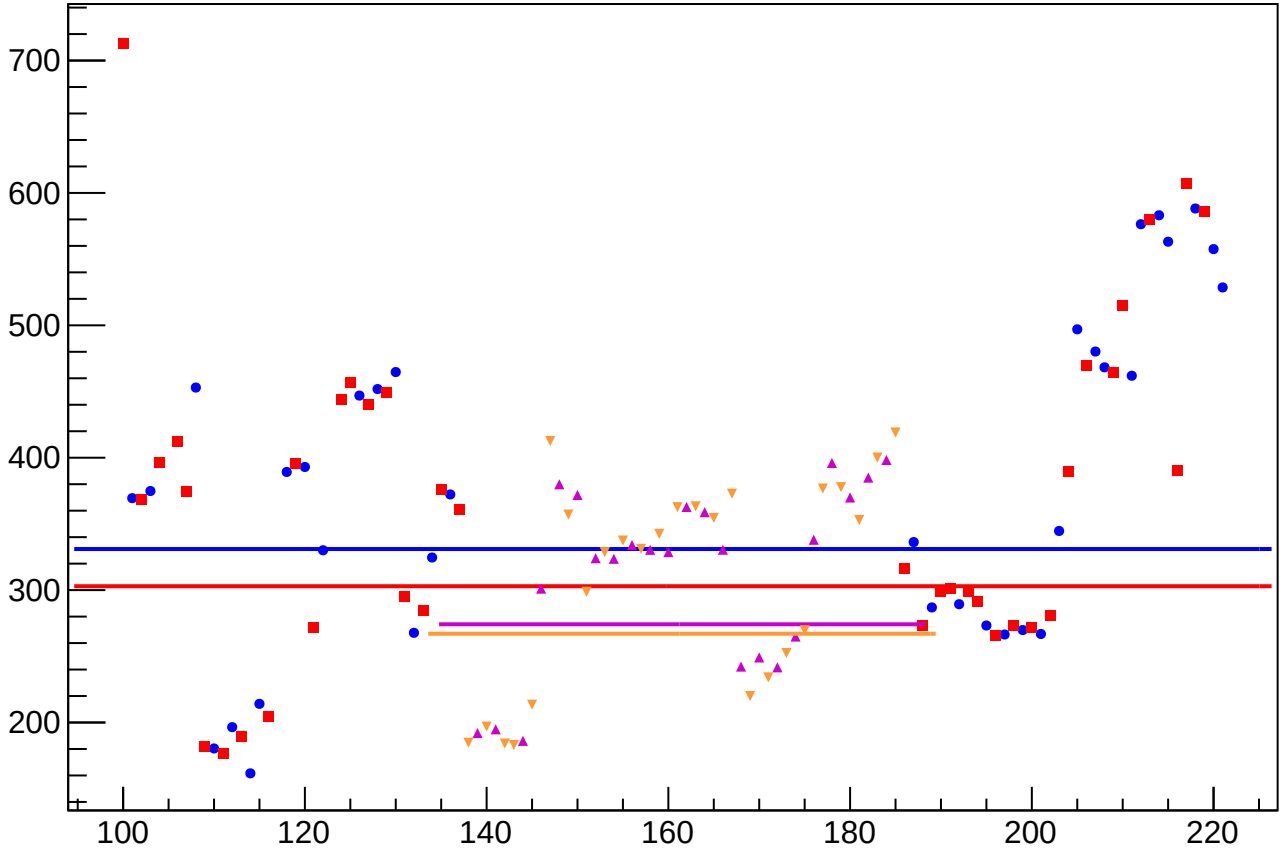
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134846.842+/-0.049 χ^2/NDF: 2164466346.1

All: 134975.563+/-0.034 χ^2/NDF: 41440678

- sign 135102.524+/-0.048 χ^2/NDF: 1965685421.8/

yield_bpm0r05WS_rms vs Slug



Right In: 331.036+/-0.053 χ^2/NDF: 4529803.5/33

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

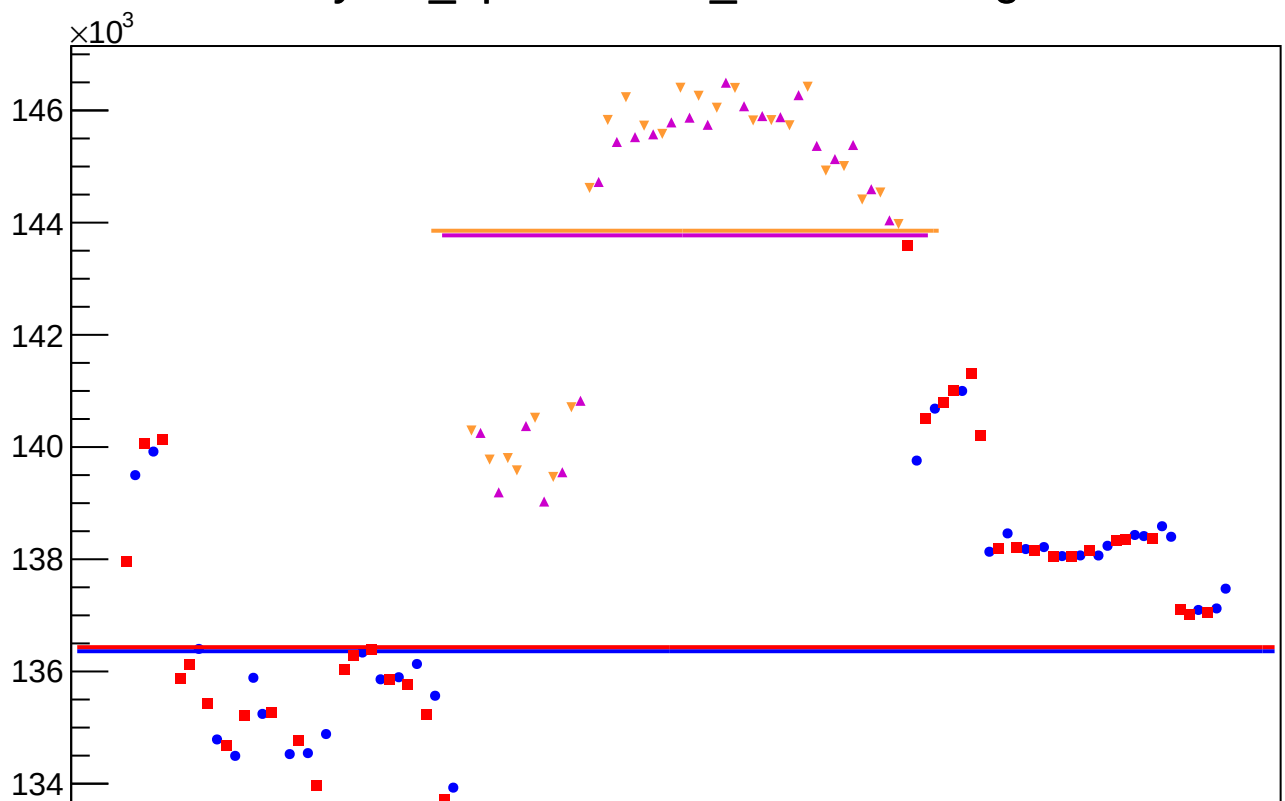
Right Out: 302.938+/-0.049 χ^2/NDF: 4149457.0/36

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 293.785+/-0.034 χ^2/NDF: 8215217.7/58

All: 290.846+/-0.024 χ^2/NDF: 14792926.2/11

- sign 287.946+/-0.034 χ^2/NDF: 6563193.4/59



Right In: 136360.956+/-0.044 χ^2/NDF: 1760764858.4/33

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136433.142+/-0.043 χ^2/NDF: 2310730372.2/36

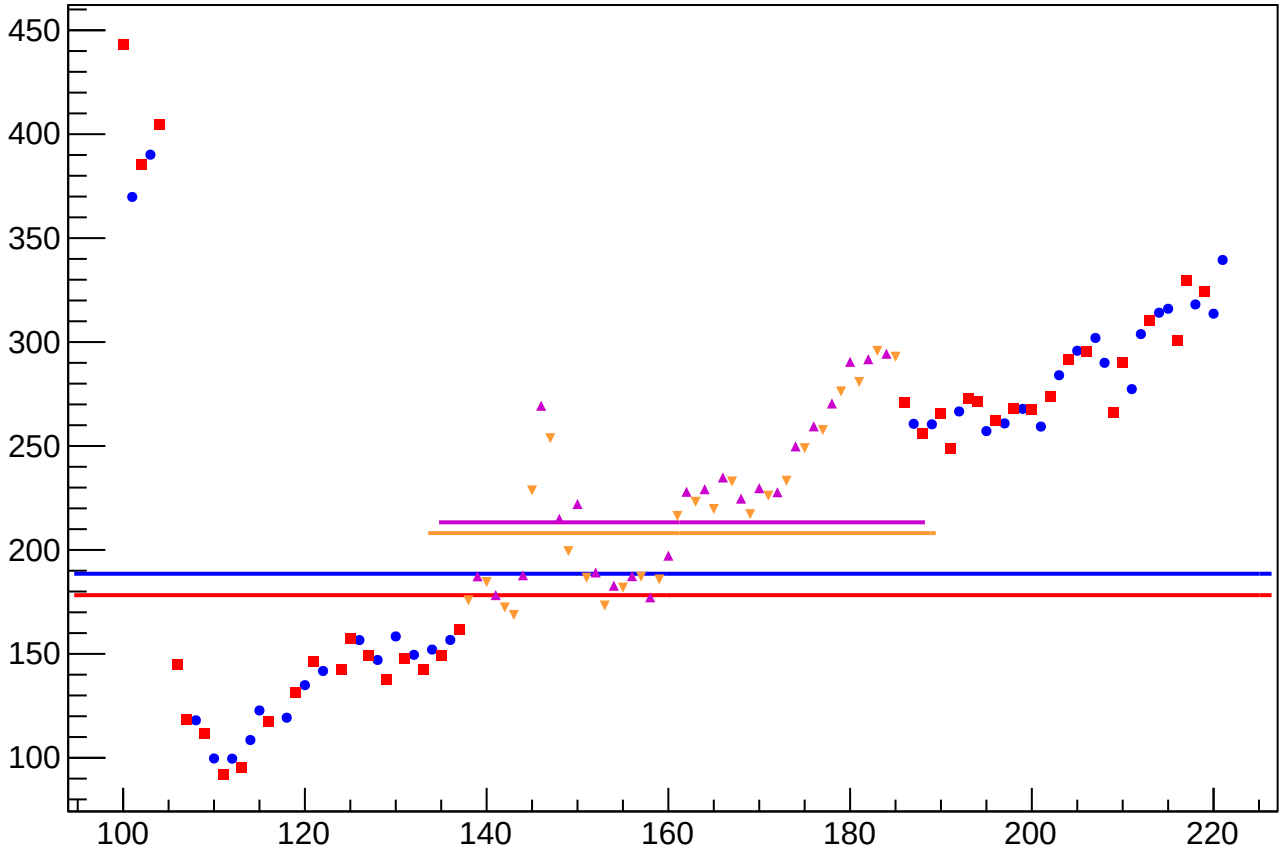
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139773.582+/-0.033 χ^2/NDF: 17987730679.

All: 139618.657+/-0.023 χ^2/NDF: 353487271

- sign 139462.782+/-0.033 χ^2/NDF: 17315730516.7

yield_bpm0i02WS_rms vs Slug



Right In: 188.553+/-0.031 χ^2/NDF: 6843700.9/33

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

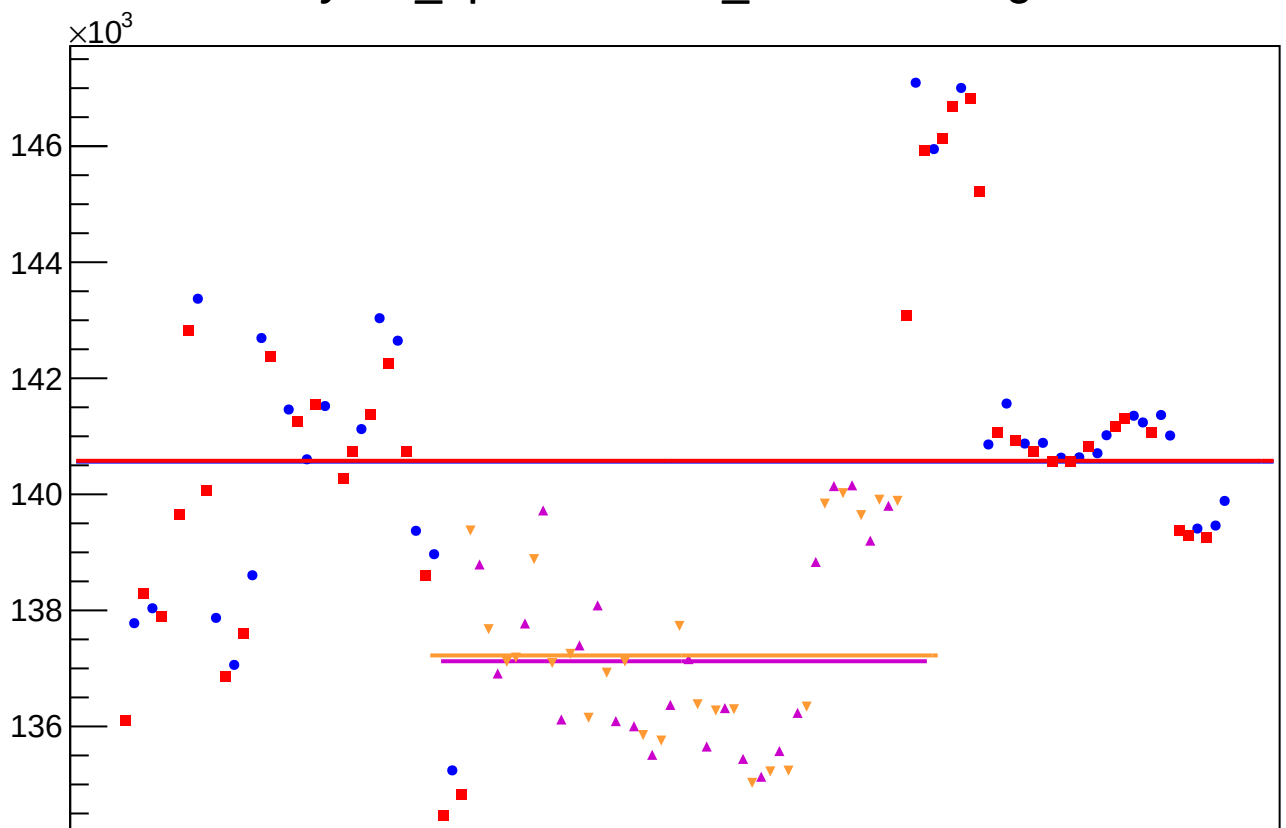
Right Out: 178.241+/-0.030 χ^2/NDF: 7070972.4/36

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 197.453+/-0.023 χ^2/NDF: 8014883.9/58

All: 195.087+/-0.016 χ^2/NDF: 16528863.1/11

- sign 192.707+/-0.023 χ^2/NDF: 8492863.7/59



Right In: 140563.925+/-0.049 χ^2/NDF: 2845541809.3/33

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140578.203+/-0.048 χ^2/NDF: 3280032737.9/36

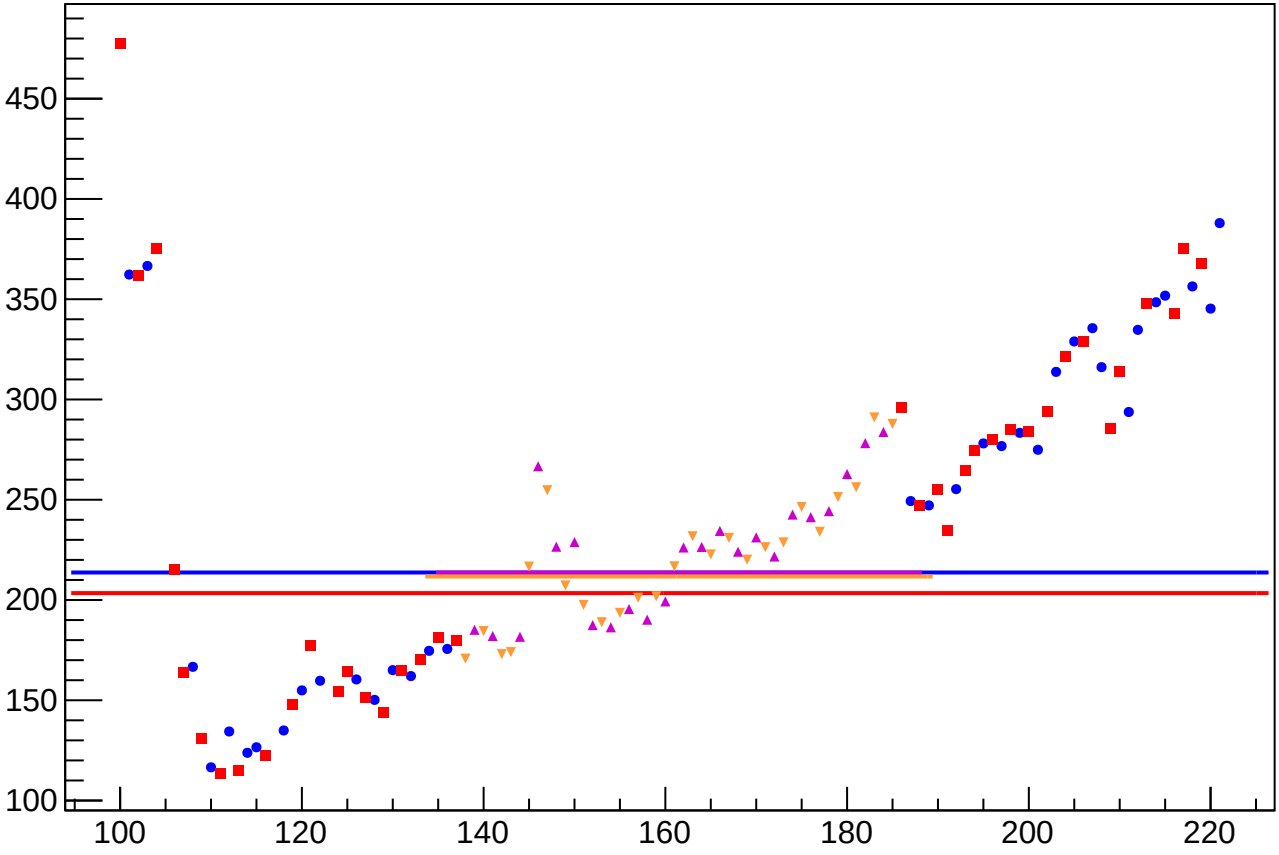
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138883.585+/-0.035 χ^2/NDF: 6044981576.0

All: 138920.313+/-0.025 χ^2/NDF: 12632258

- sign 138957.218+/-0.035 χ^2/NDF: 6585042437.1/

yield_bpm0i02aWS_rms vs Slug



Right In: 213.718+/-0.035 χ^2/NDF: 5661971.4/33

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

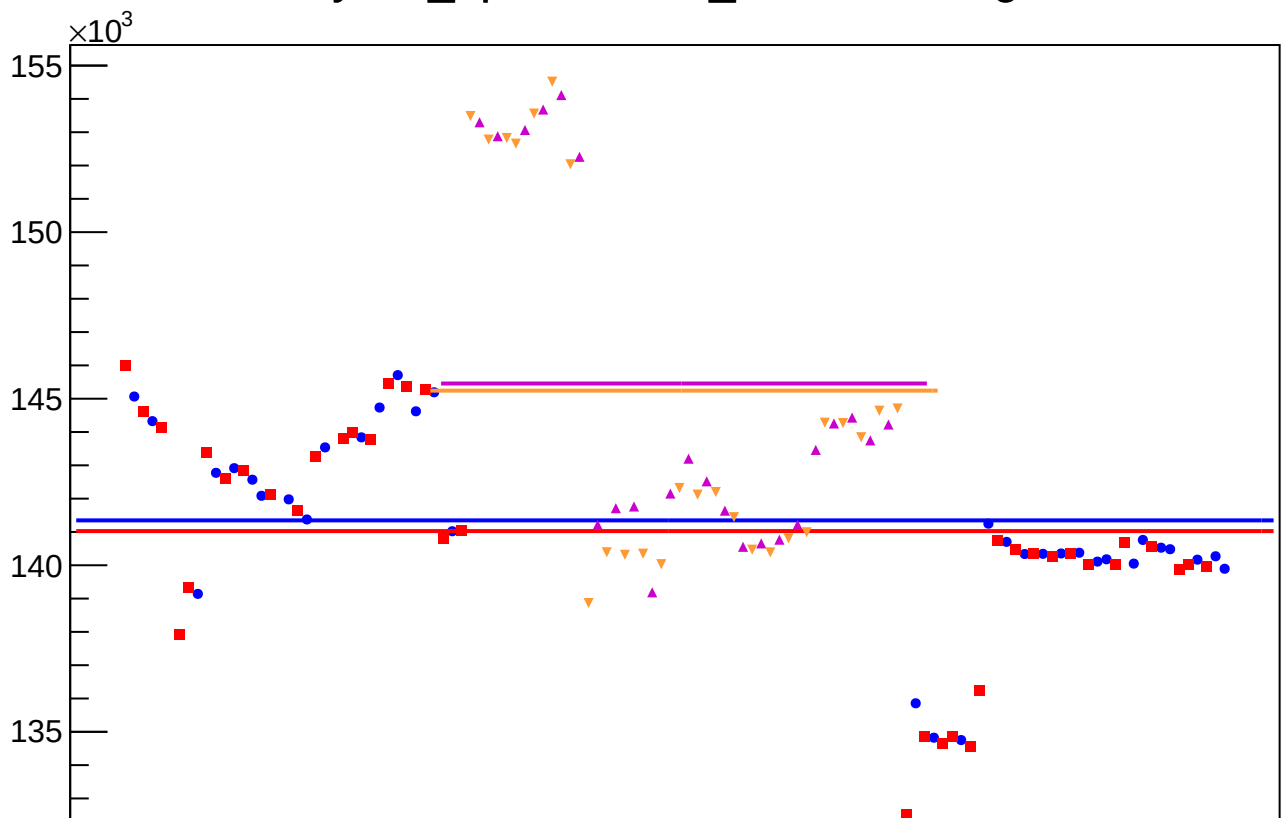
Right Out: 203.440+/-0.034 χ^2/NDF: 5769693.9/36

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 212.710+/-0.025 χ^2/NDF: 6339218.4/58

All: 210.473+/-0.017 χ^2/NDF: 12789440.7/11

- sign 208.226+/-0.025 χ^2/NDF: 6433651.3/59



Right In: 141347.450+/-0.049 χ^2/NDF: 2882272577.7/33

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141026.069+/-0.047 χ^2/NDF: 4454599668.7/36

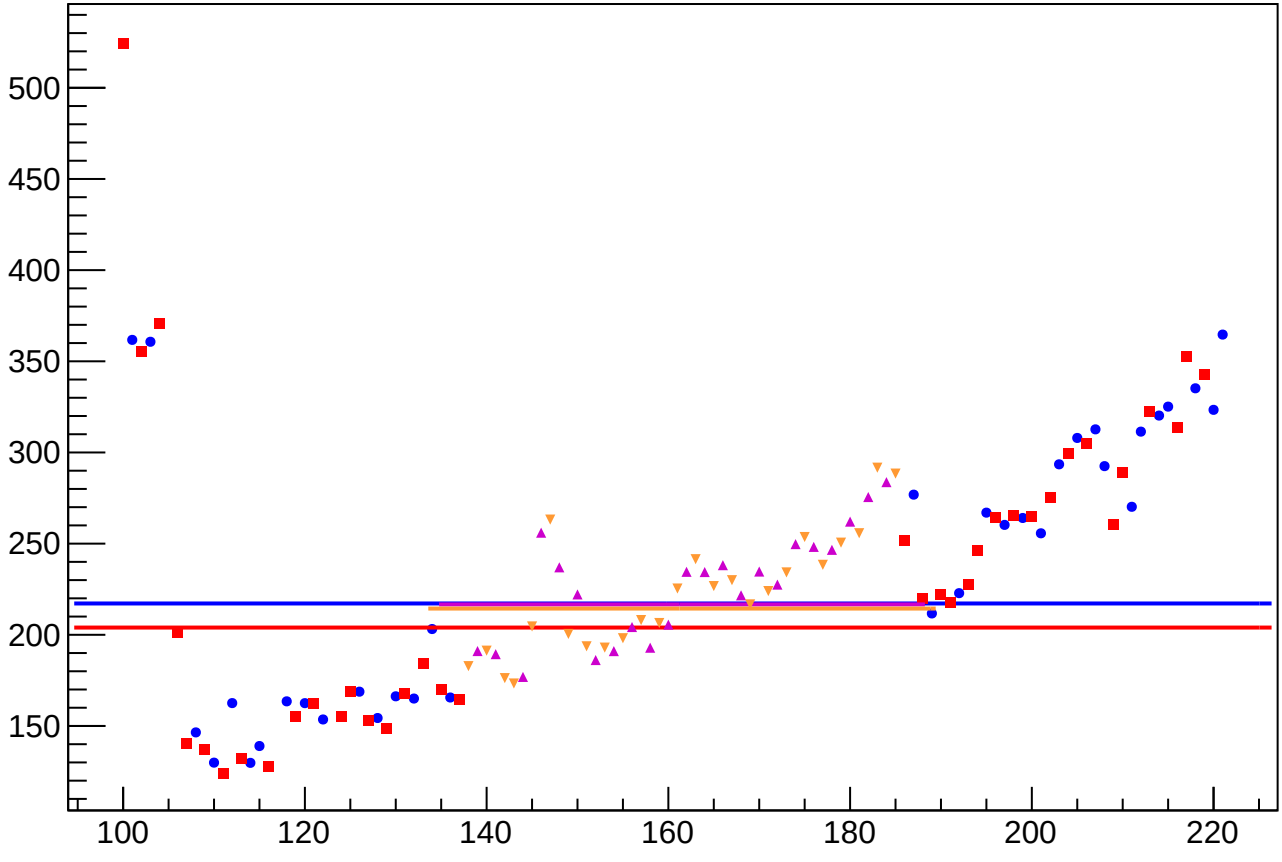
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143277.784+/-0.035 χ^2/NDF: 19022883860.

All: 143157.834+/-0.025 χ^2/NDF: 38600344(

- sign 143039.024+/-0.035 χ^2/NDF: 19553991144.8

yield_bpm0i05WS_rms vs Slug



Right In: 217.182+/-0.035 χ^2/NDF: 4138675.1/33

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

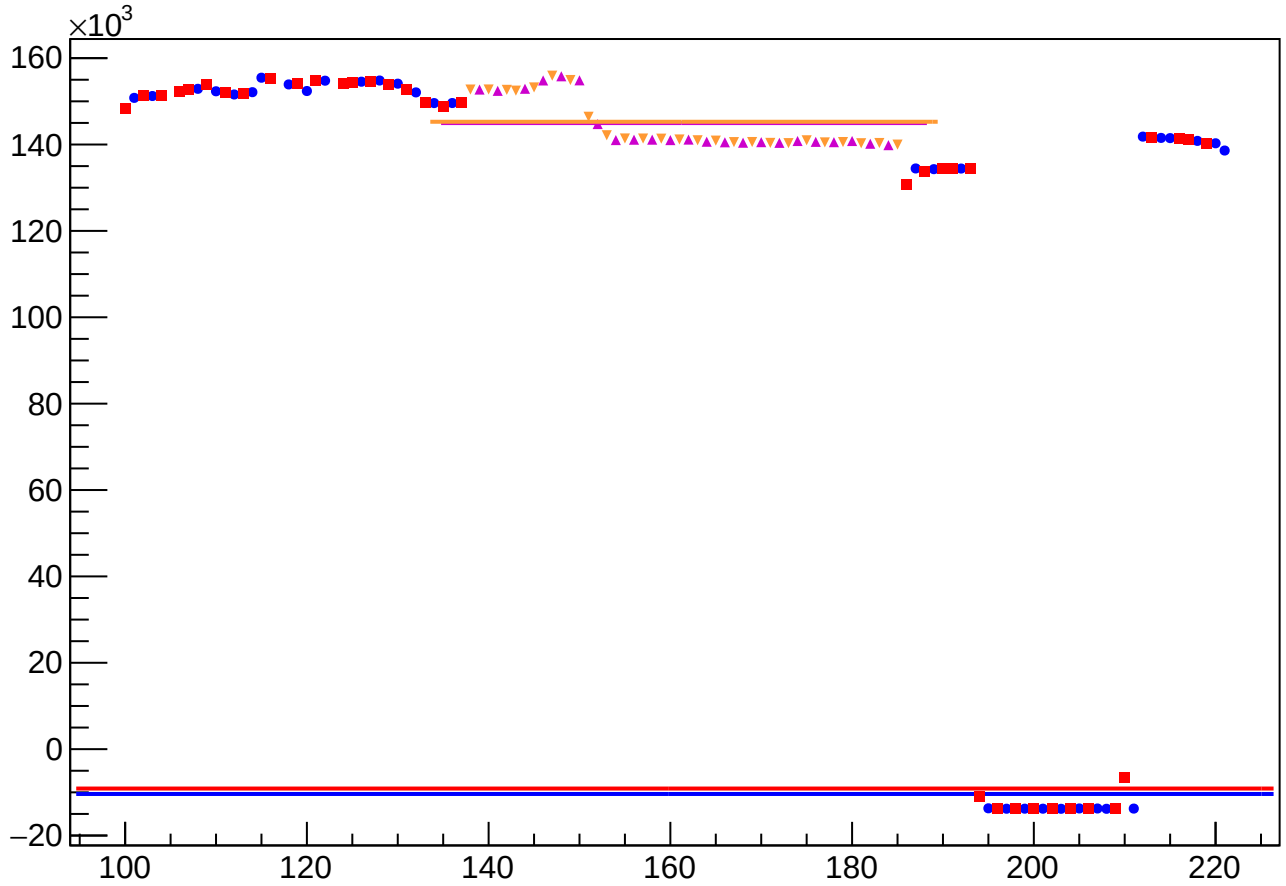
Right Out: 203.971+/-0.033 χ^2/NDF: 4269444.7/36

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 215.799+/-0.025 χ^2/NDF: 4785249.4/58

All: 212.752+/-0.017 χ^2/NDF: 9738141.7/118

- sign 209.733+/-0.025 χ^2/NDF: 4922601.1/59



Right In: -10378.576+/-0.009 χ^2/NDF: 7056084604167.1/33

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

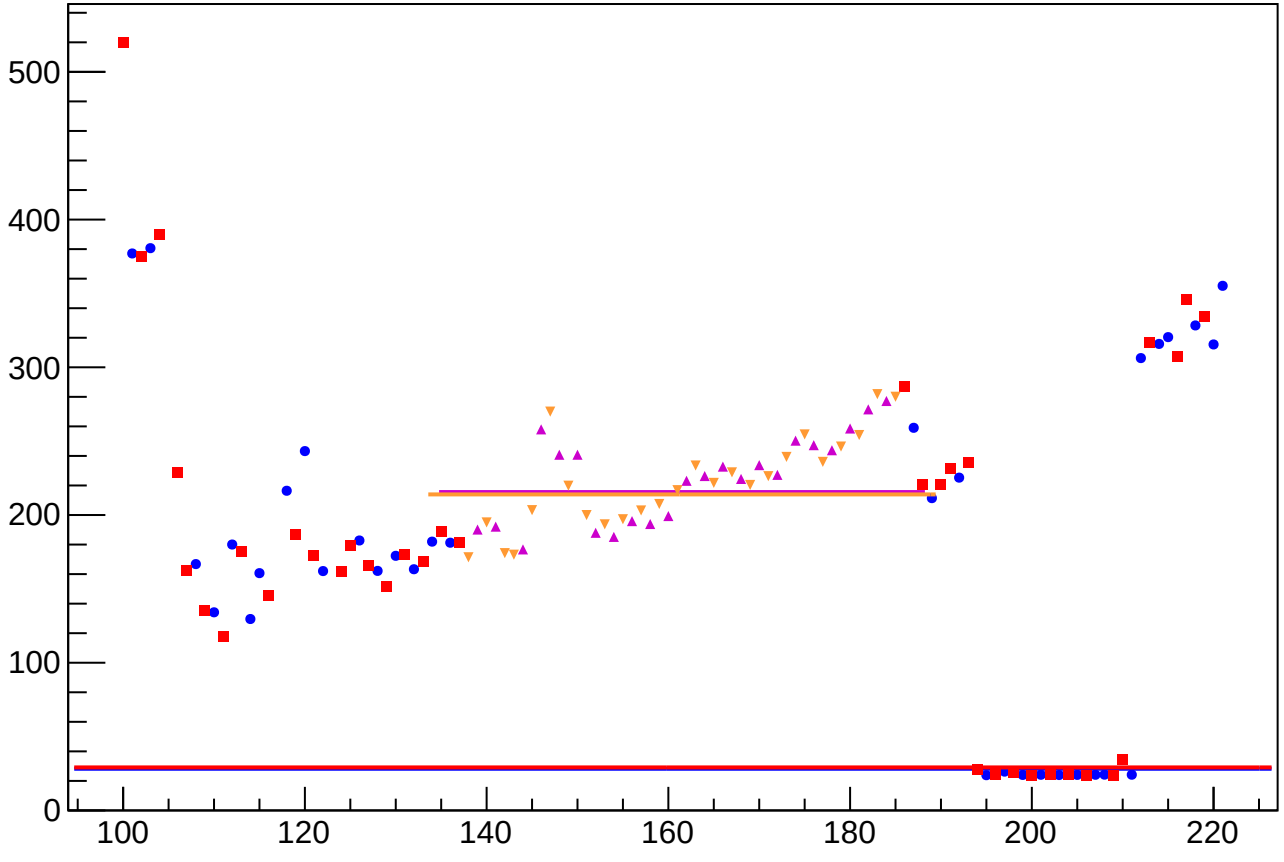
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5660.803+/-0.009 χ^2/NDF: 1670114341521

All: -4945.913+/-0.006 χ^2/NDF: 3334404675

- sign -4123.990+/-0.009 χ^2/NDF: 16628042850591

yield_bpm0i07WS_rms vs Slug



Right In: 28.235+/-0.006 χ^2/NDF: 21655282.3/33

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

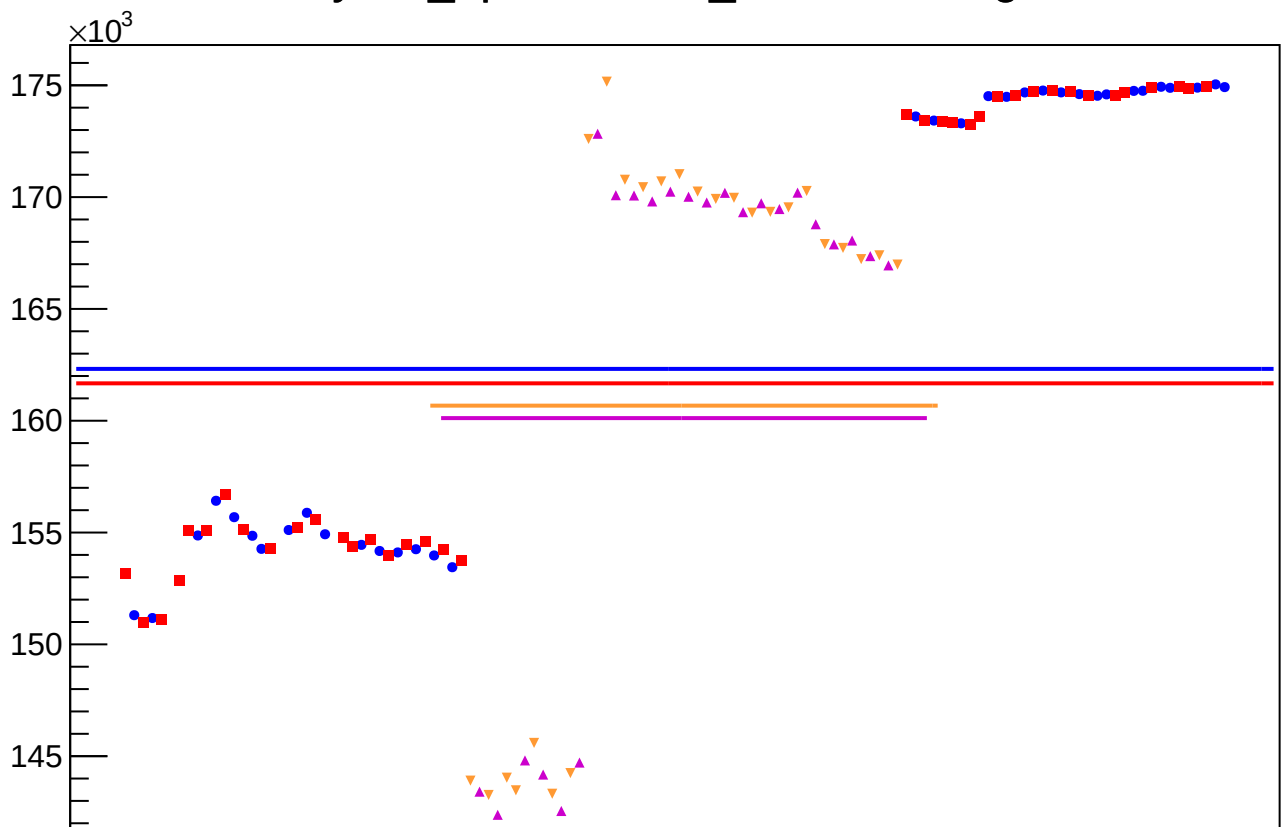
Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.864+/-0.006 χ^2/NDF: 49729541.8/58

All: 34.475+/-0.004 χ^2/NDF: 96046388.4/118

- sign 35.177+/-0.007 χ^2/NDF: 46295166.3/59



Right In: 162318.216+/-0.051 χ^2/NDF: 35624404625.1/33

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161672.266+/-0.049 χ^2/NDF: 36338249344.6/36

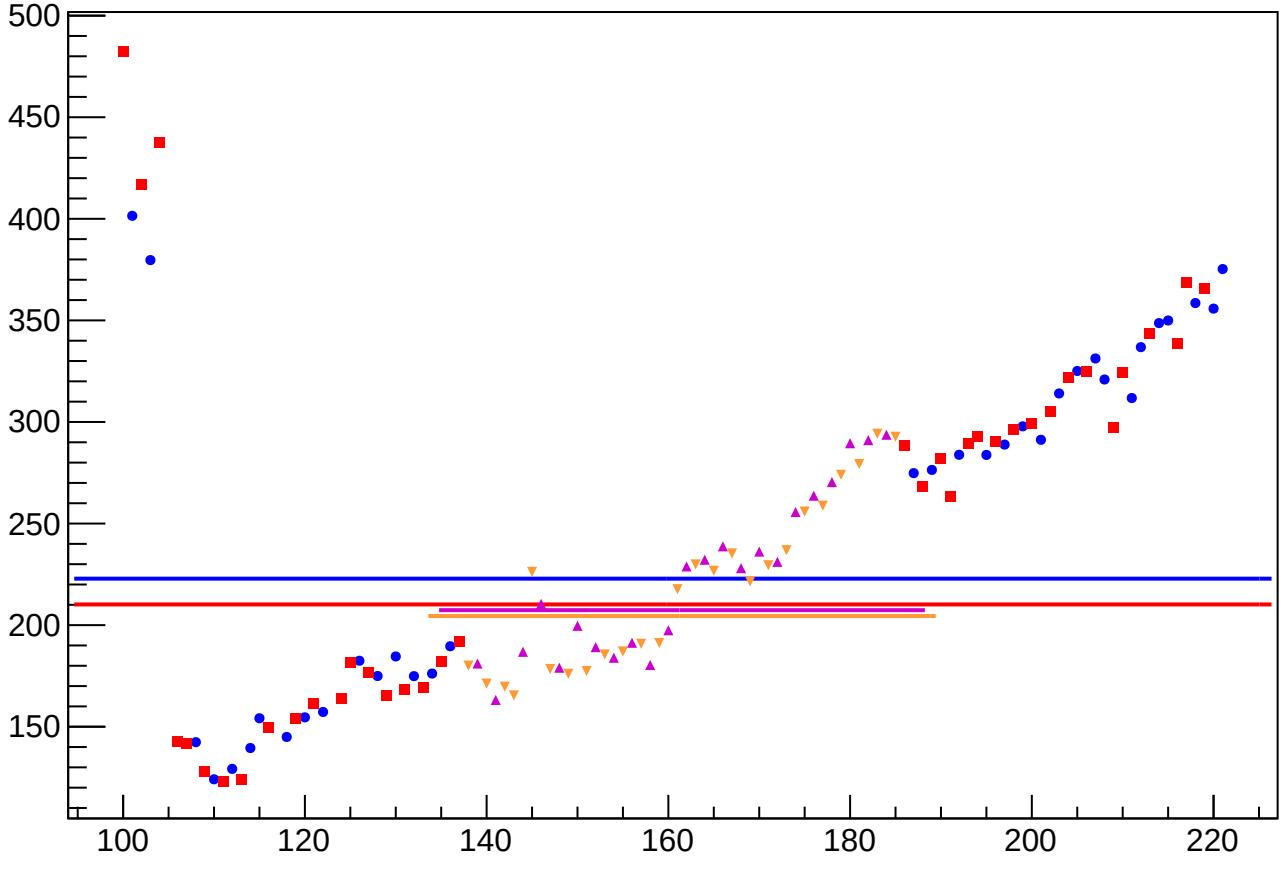
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 161433.165+/-0.035 χ^2/NDF: 11033443214

All: 161166.502+/-0.025 χ^2/NDF: 2138415

- sign 160898.924+/-0.035 χ^2/NDF: 10338936932

yield_bpm1i02WS_rms vs Slug



Right In: 222.879+/-0.036 χ^2/NDF: 5451006.3/33

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

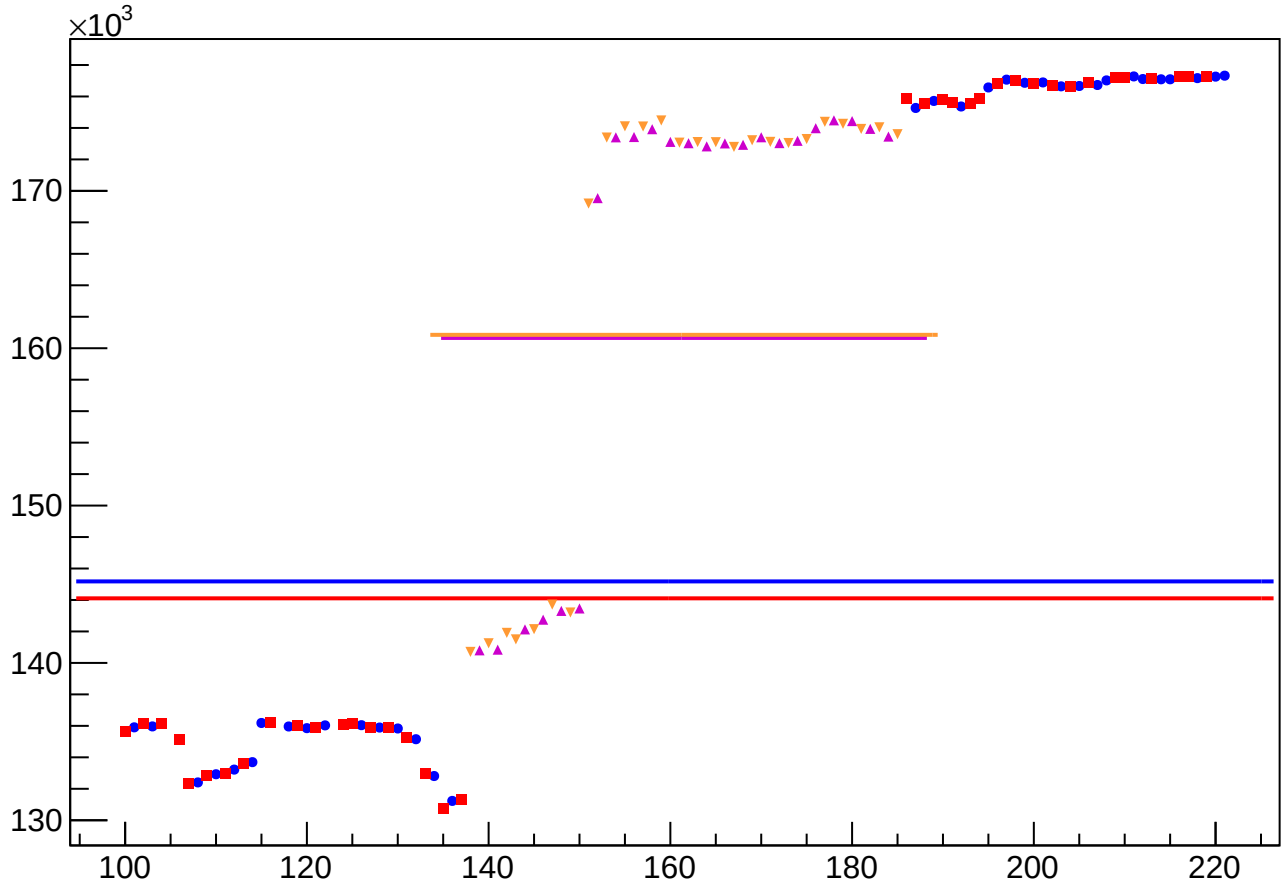
Right Out: 210.181+/-0.035 χ^2/NDF: 5737529.4/36

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 212.968+/-0.025 χ^2/NDF: 6663372.5/58

All: 210.879+/-0.017 χ^2/NDF: 13375268.6/11

- sign 208.782+/-0.025 χ^2/NDF: 6697432.8/59



Right In: 145180.468+/-0.044 χ^2/NDF: 180484175551.2/33

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 144104.276+/-0.042 χ^2/NDF: 183824521890.7/36

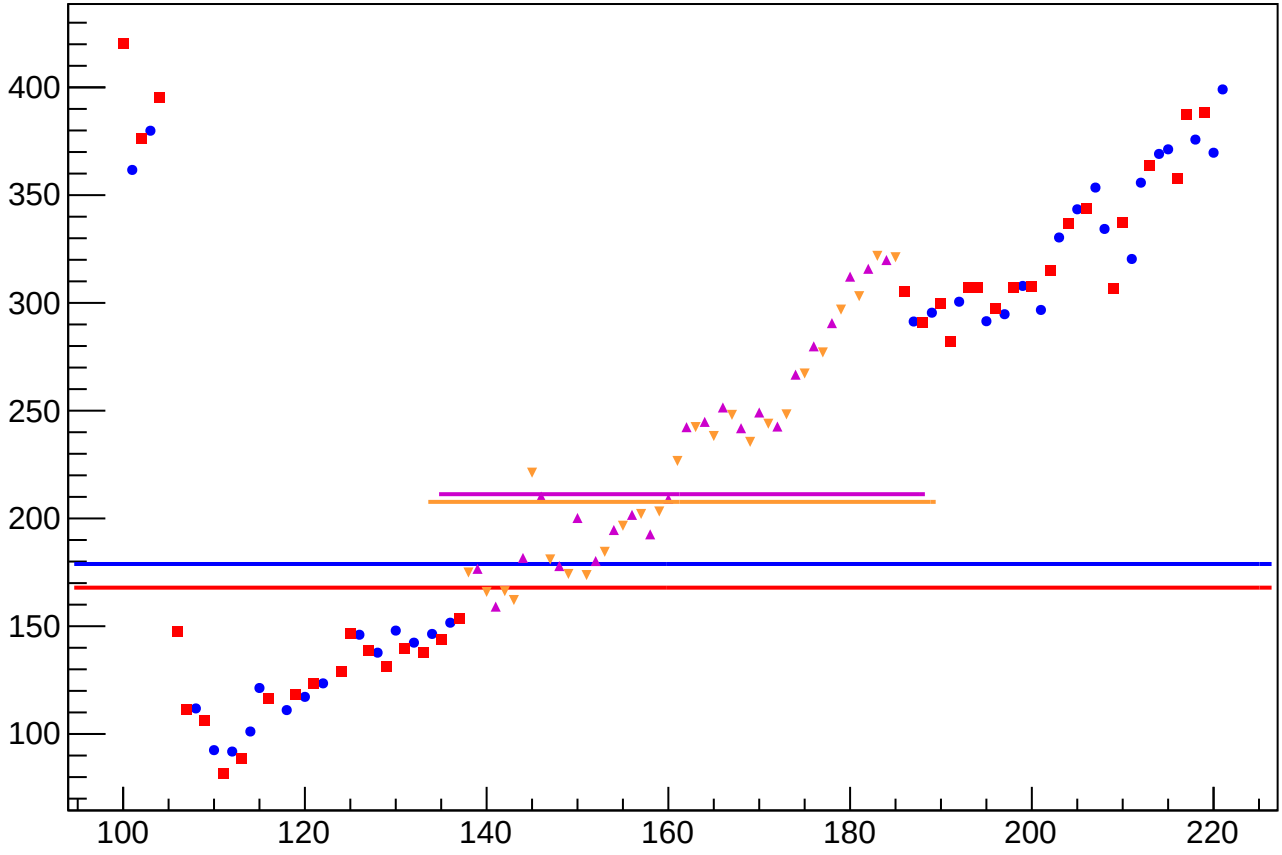
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 152234.403+/-0.032 χ^2/NDF: 337258382355

All: 151540.290+/-0.023 χ^2/NDF: 675473484

- sign 150853.620+/-0.032 χ^2/NDF: 337307300125

yield_bpm1i04WS_rms vs Slug



Right In: 178.871+/-0.031 χ^2/NDF: 10026730.8/33

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

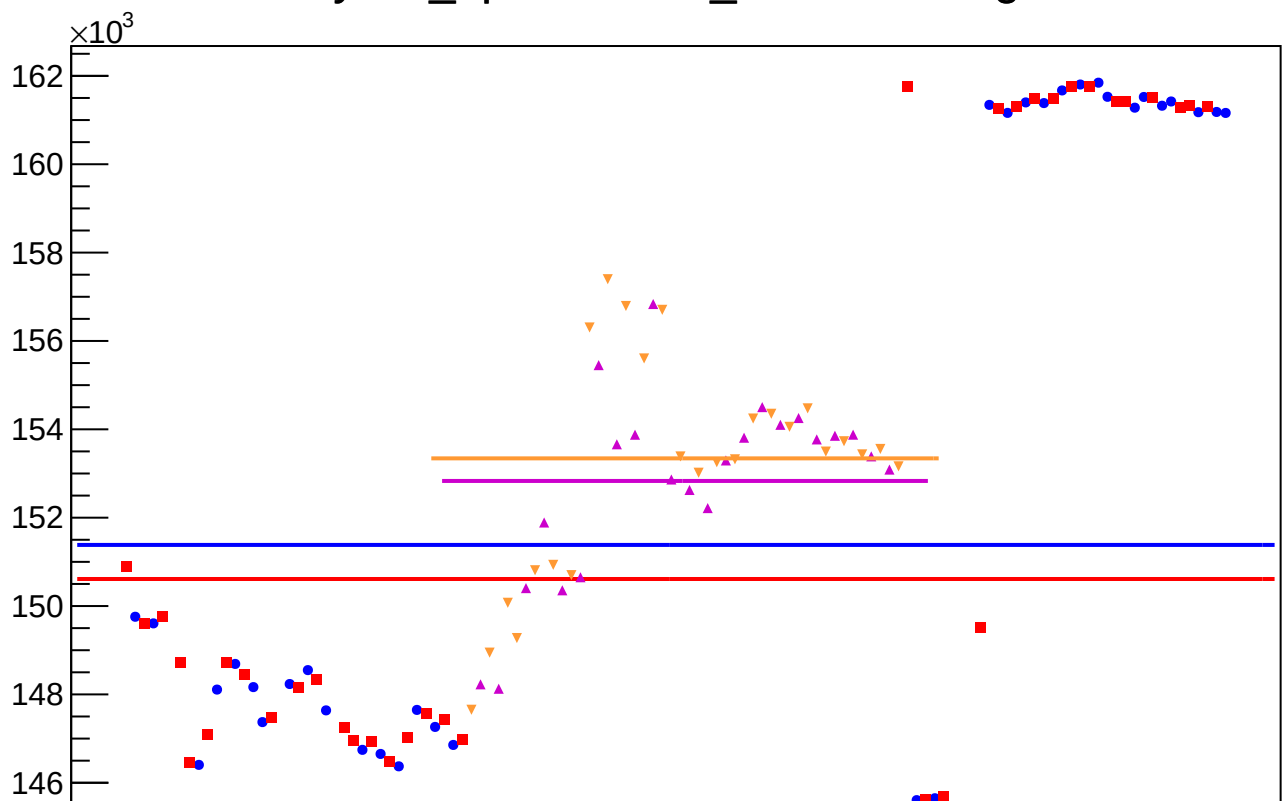
Right Out: 167.894+/-0.030 χ^2/NDF: 10129841.9/36

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 191.843+/-0.023 χ^2/NDF: 11916842.2/58

All: 188.693+/-0.016 χ^2/NDF: 24259291.9/11

- sign 185.577+/-0.023 χ^2/NDF: 12305058.1/59



Right In: 151383.456+/-0.051 χ^2/NDF: 15905350652.9/33

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150612.172+/-0.048 χ^2/NDF: 14507013373.1/36

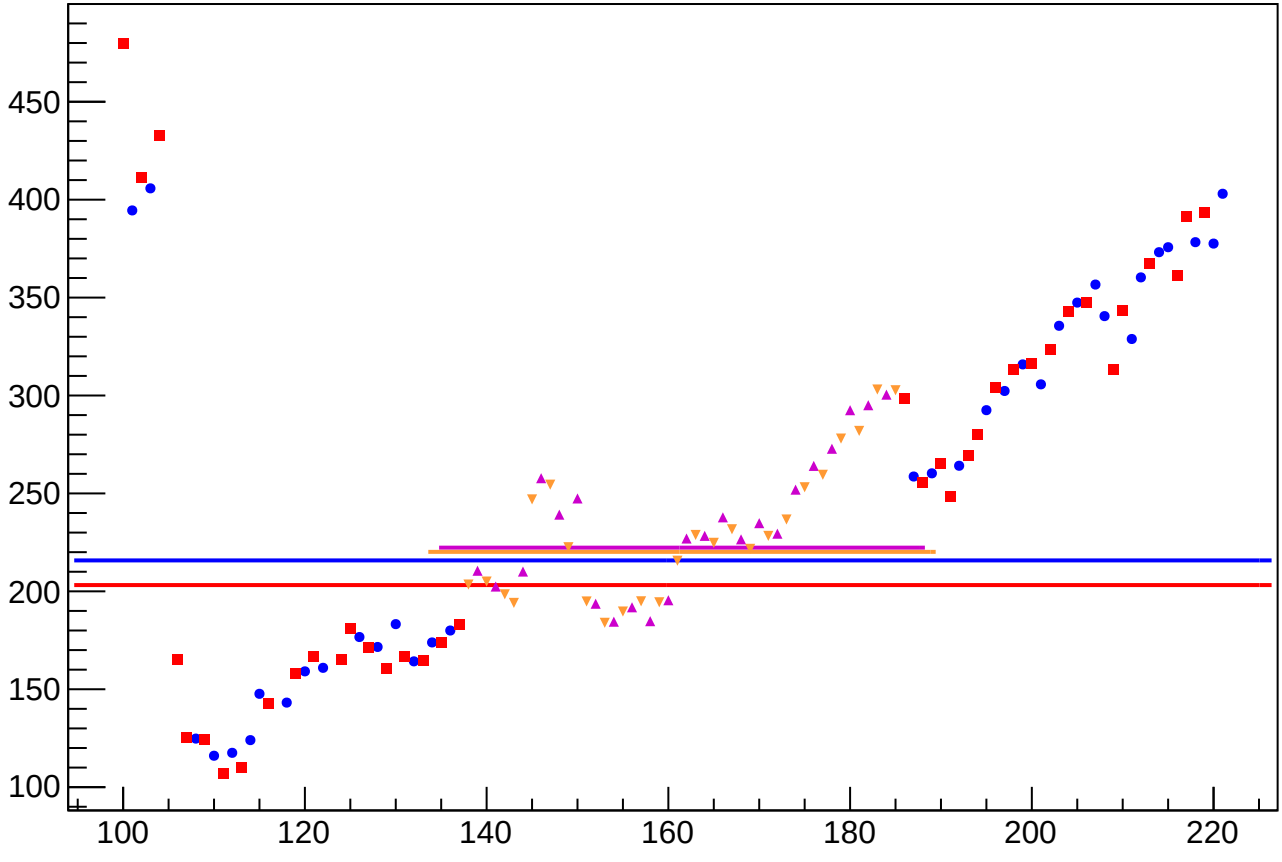
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 152357.658+/-0.036 χ^2/NDF: 19631609931.

All: 151989.959+/-0.025 χ^2/NDF: 37222954

- sign 151625.305+/-0.036 χ^2/NDF: 17381512003.7

yield_bpm1i06WS_rms vs Slug



Right In: 215.792+/-0.036 χ^2/NDF: 6879168.4/33

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

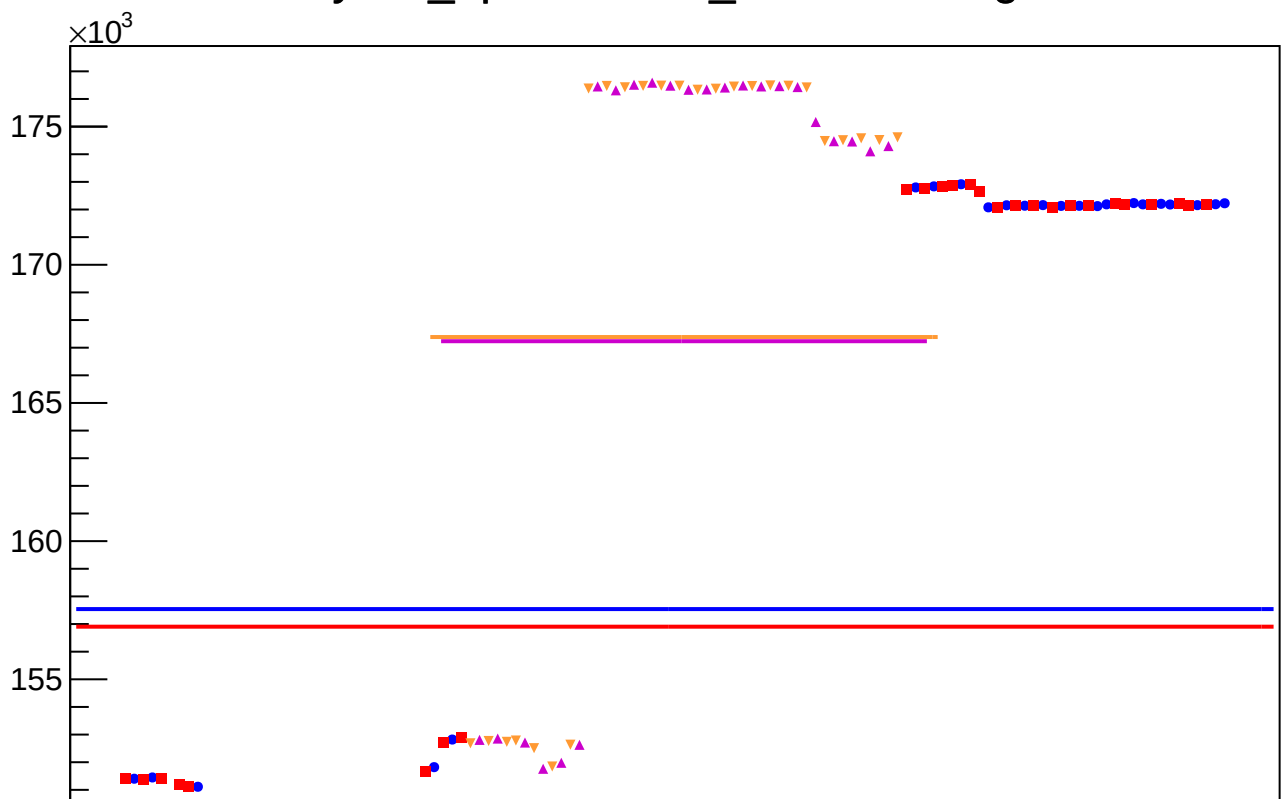
Right Out: 203.197+/-0.034 χ^2/NDF: 6932426.3/36

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 217.962+/-0.025 χ^2/NDF: 7572179.0/58

All: 214.928+/-0.018 χ^2/NDF: 15373119.6/11

- sign 211.920+/-0.025 χ^2/NDF: 7772377.0/59



Right In: 157541.385+/-0.045 χ^2/NDF: 50972789803.9/33

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

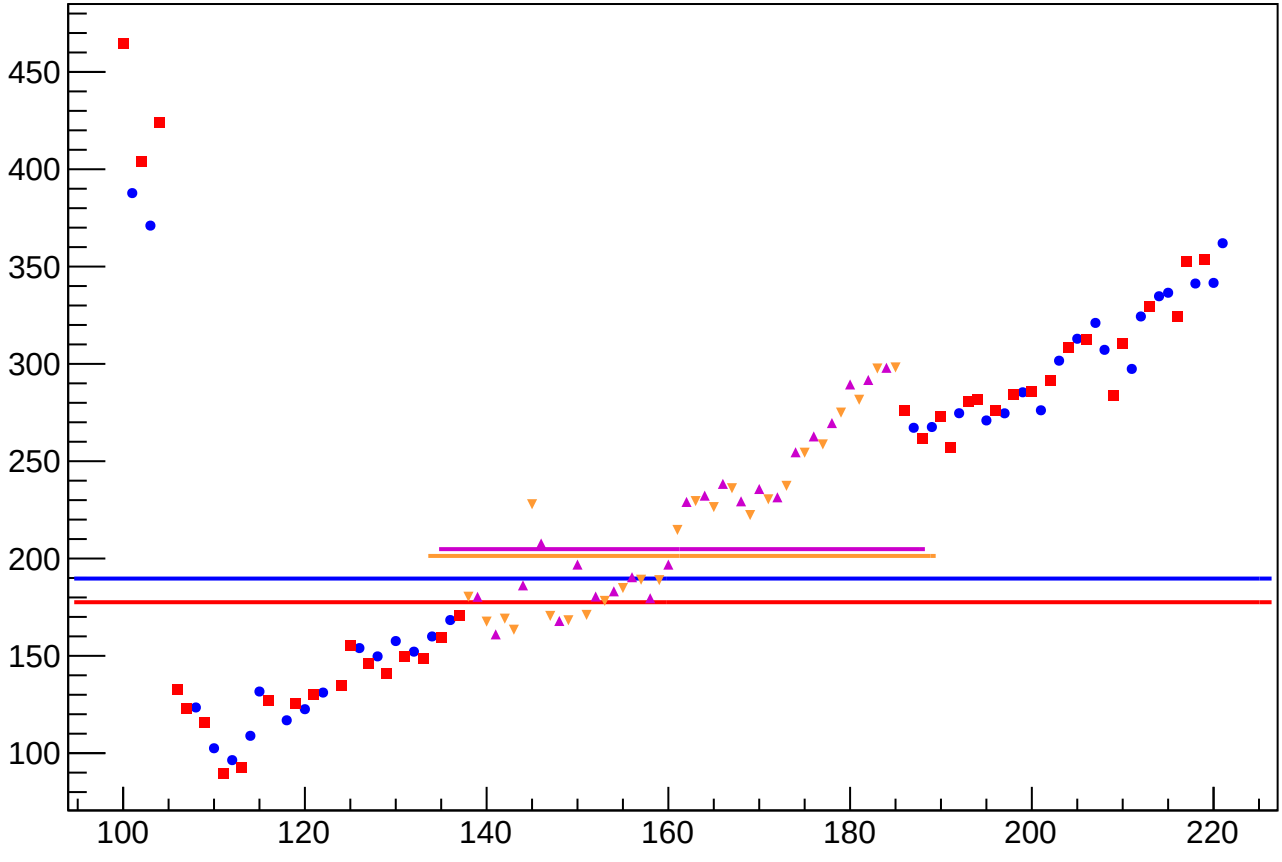
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162276.173+/-0.032 χ^2/NDF: 13360573940

All: 161837.267+/-0.023 χ^2/NDF: 2676577

- sign 161402.701+/-0.032 χ^2/NDF: 13368708604

yield_bpm2i01WS_rms vs Slug



Right In: 189.706+/-0.032 χ^2/NDF: 7716223.2/33

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

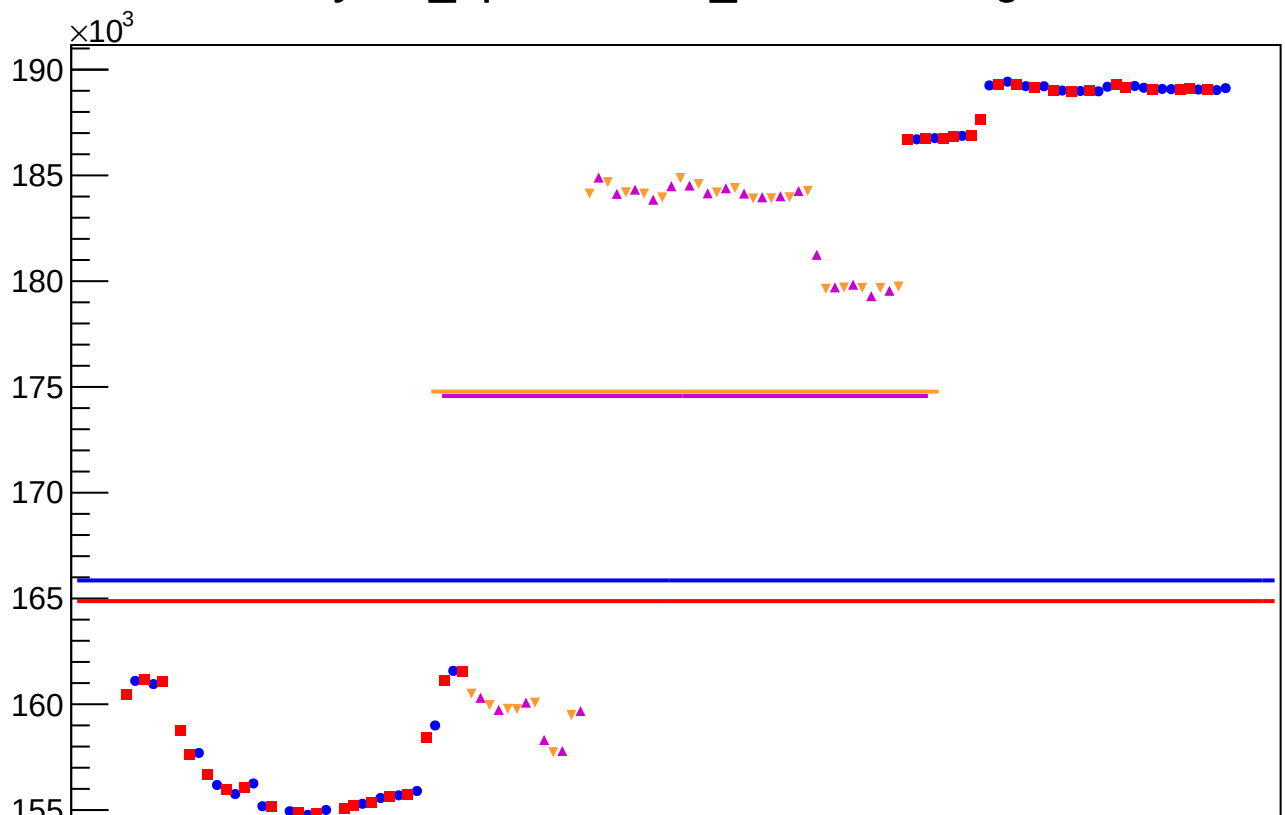
Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 195.296+/-0.023 χ^2/NDF: 9011084.2/58

All: 192.348+/-0.016 χ^2/NDF: 18470029.6/11

- sign 189.429+/-0.023 χ^2/NDF: 9426007.5/59



Right In: 165853.407+/-0.048 χ^2/NDF: 95289573302.7/33

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164876.168+/-0.046 χ^2/NDF: 96683125727.7/36

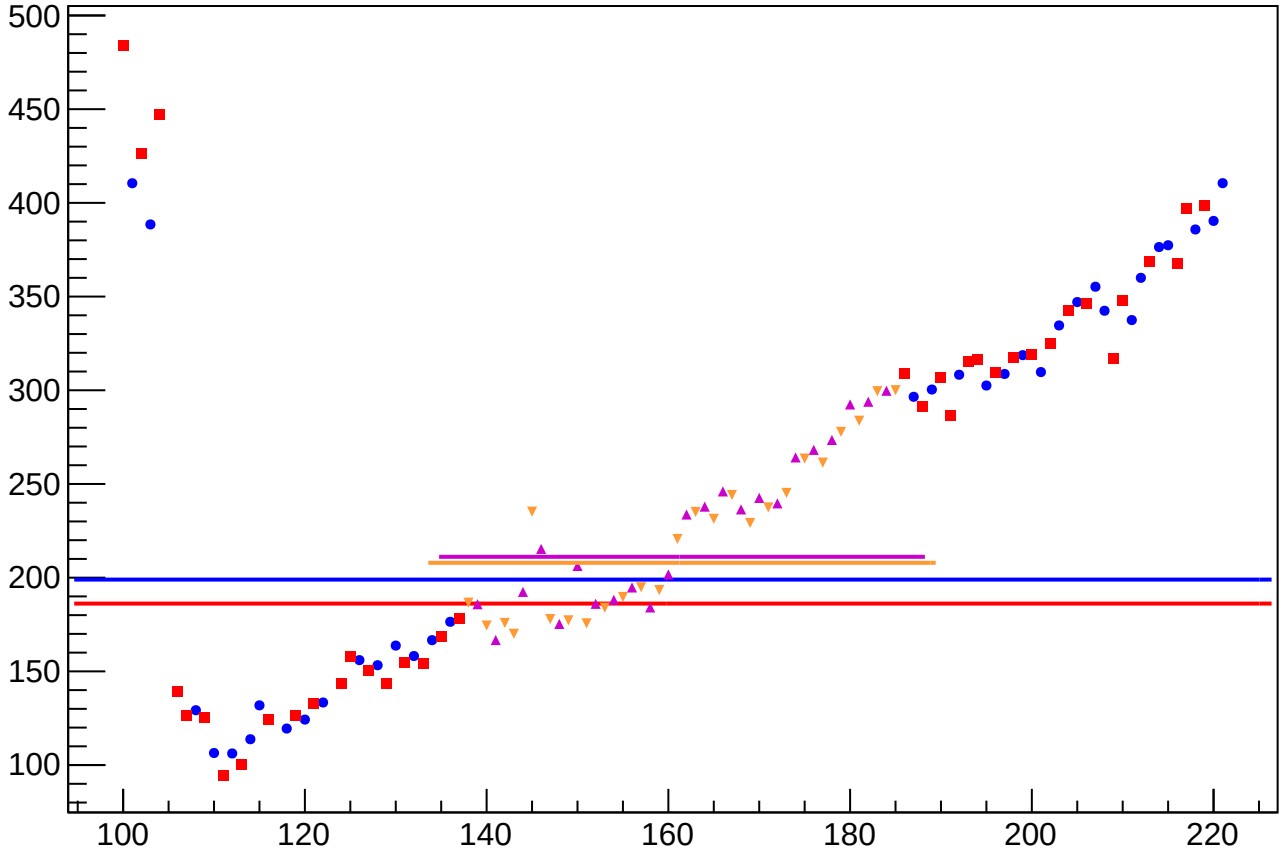
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 170286.225+/-0.034 χ^2/NDF: 17068835030

All: 169764.012+/-0.024 χ^2/NDF: 3429656

- sign 169247.003+/-0.034 χ^2/NDF: 171807011502

yield_bpm2i02WS_rms vs Slug



Right In: 198.976+/-0.034 χ^2/NDF: 8730921.1/33

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 186.173+/-0.032 χ^2/NDF: 8929298.5/36

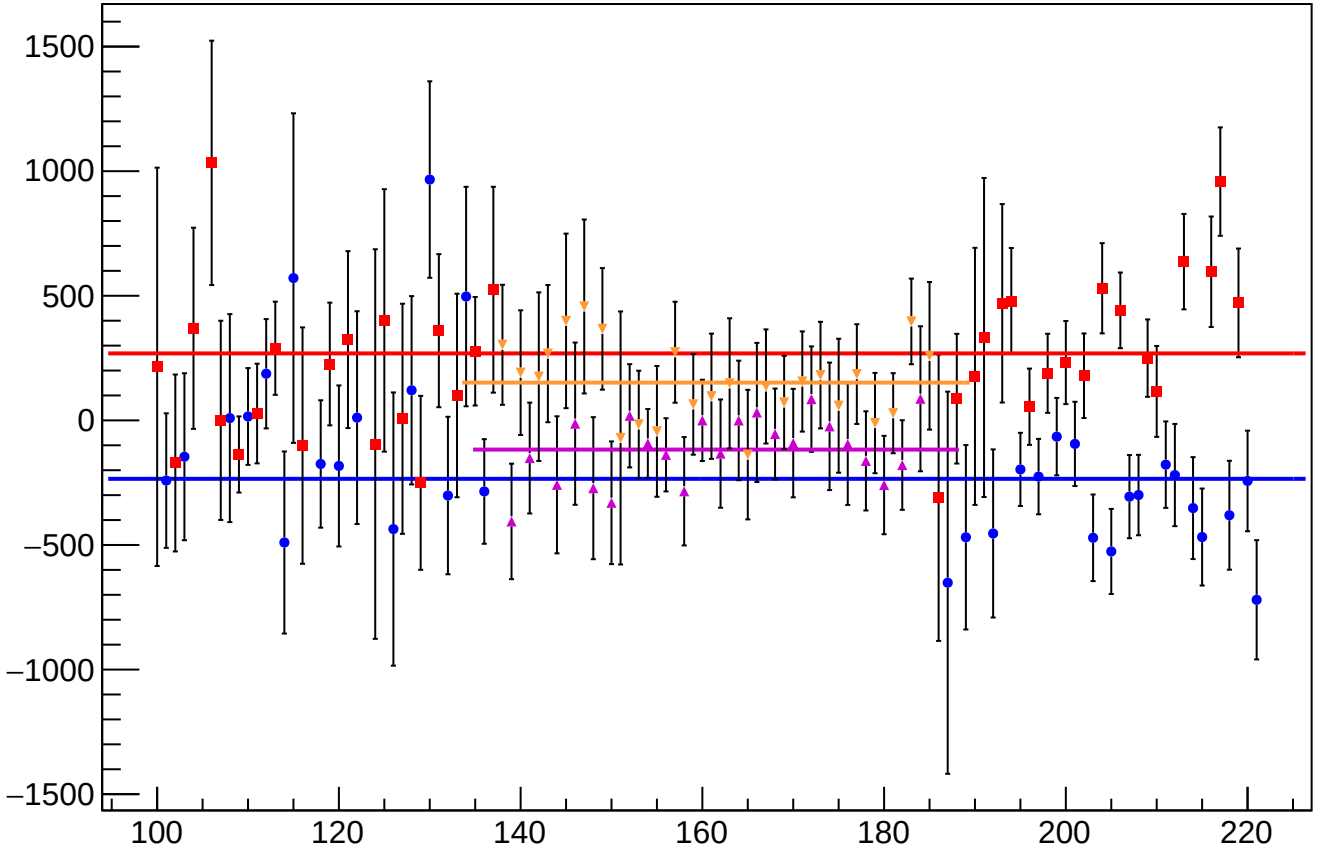
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 203.427+/-0.024 χ^2/NDF: 9897864.7/58

All: 200.412+/-0.017 χ^2/NDF: 20122279.2/11

- sign 197.427+/-0.024 χ^2/NDF: 10193066.3/59

asym_bcm_target_mean vs Slug



Right In: -234.519+/-38.729 χ^2/NDF: 35.9/33

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 268.770+/-39.109 χ^2/NDF: 43.3/36

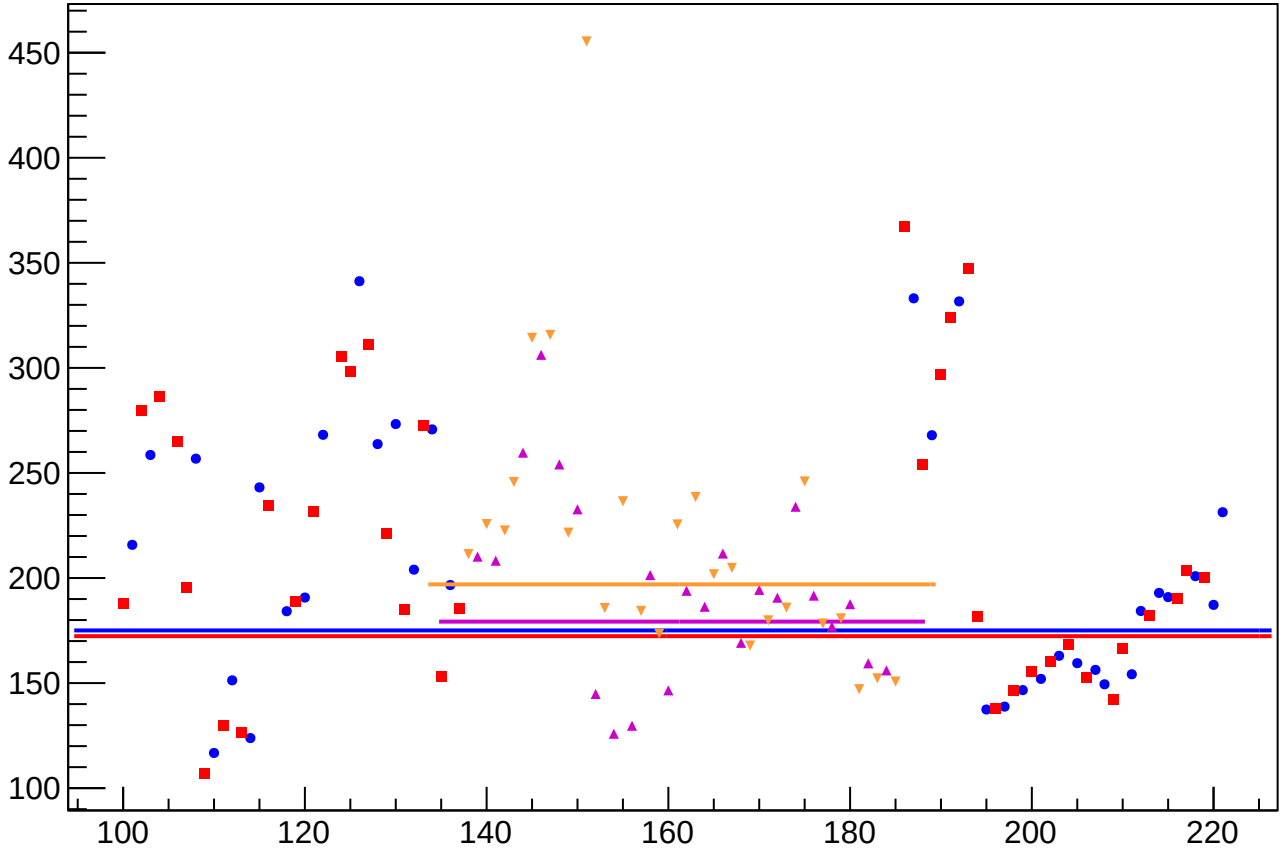
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -76.052+/-29.738 χ^2/NDF: 86.3/58

All: 12.395+/-20.823 χ^2/NDF: 197.7/118

- sign 97.474+/-29.166 χ^2/NDF: 94.0/59

asym_bcm_target_rms vs Slug



Right In: 175.059+/-0.027 χ^2/NDF: 2465120.7/33

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

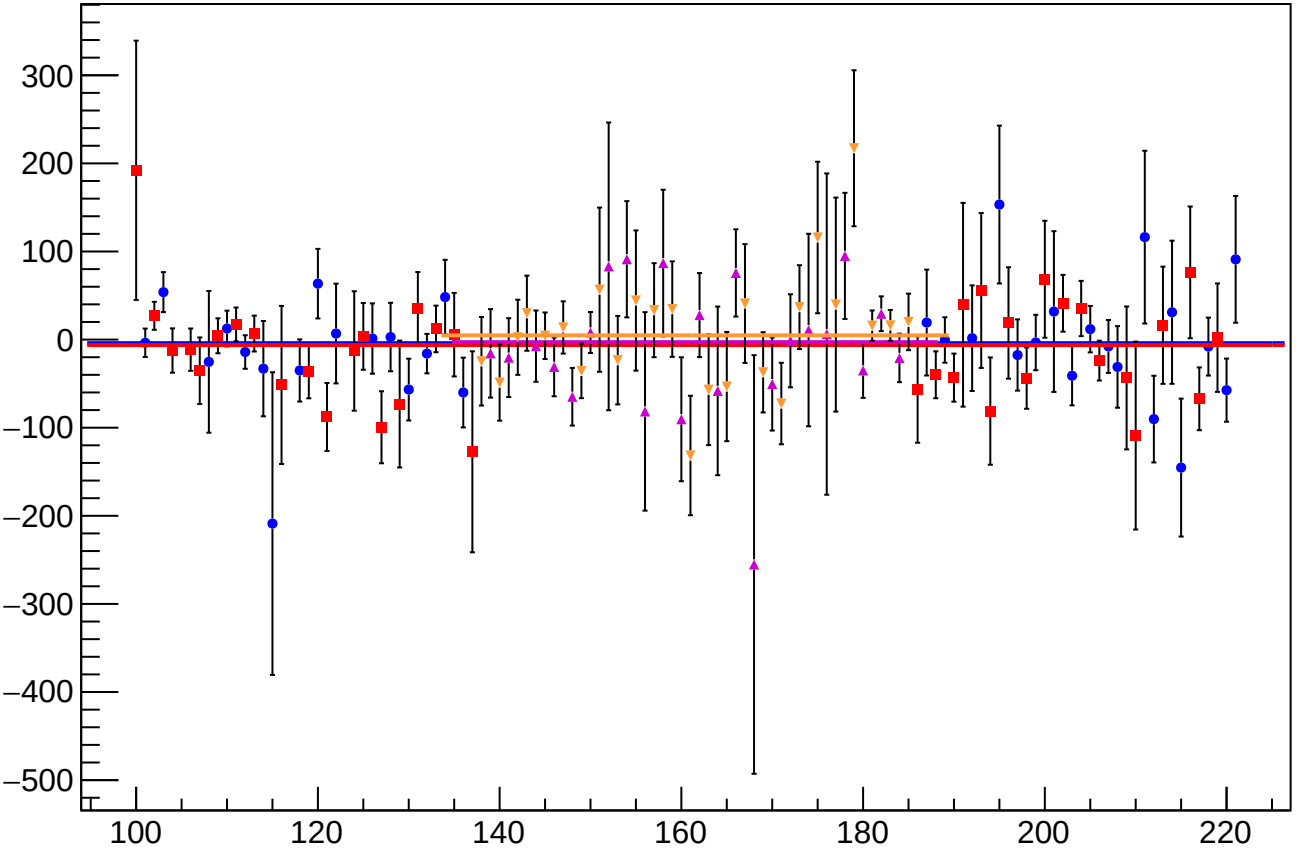
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 184.054+/-0.021 χ^2/NDF: 4537277.4/58

All: 179.645+/-0.015 χ^2/NDF: 9376742.1/118

- sign 175.405+/-0.021 χ^2/NDF: 4753225.8/59

asym_bcm_an_diff_mean vs Slug



Right In: -4.067+/-5.860 χ^2/NDF: 36.6/33

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.202+/-5.566 χ^2/NDF: 42.5/36

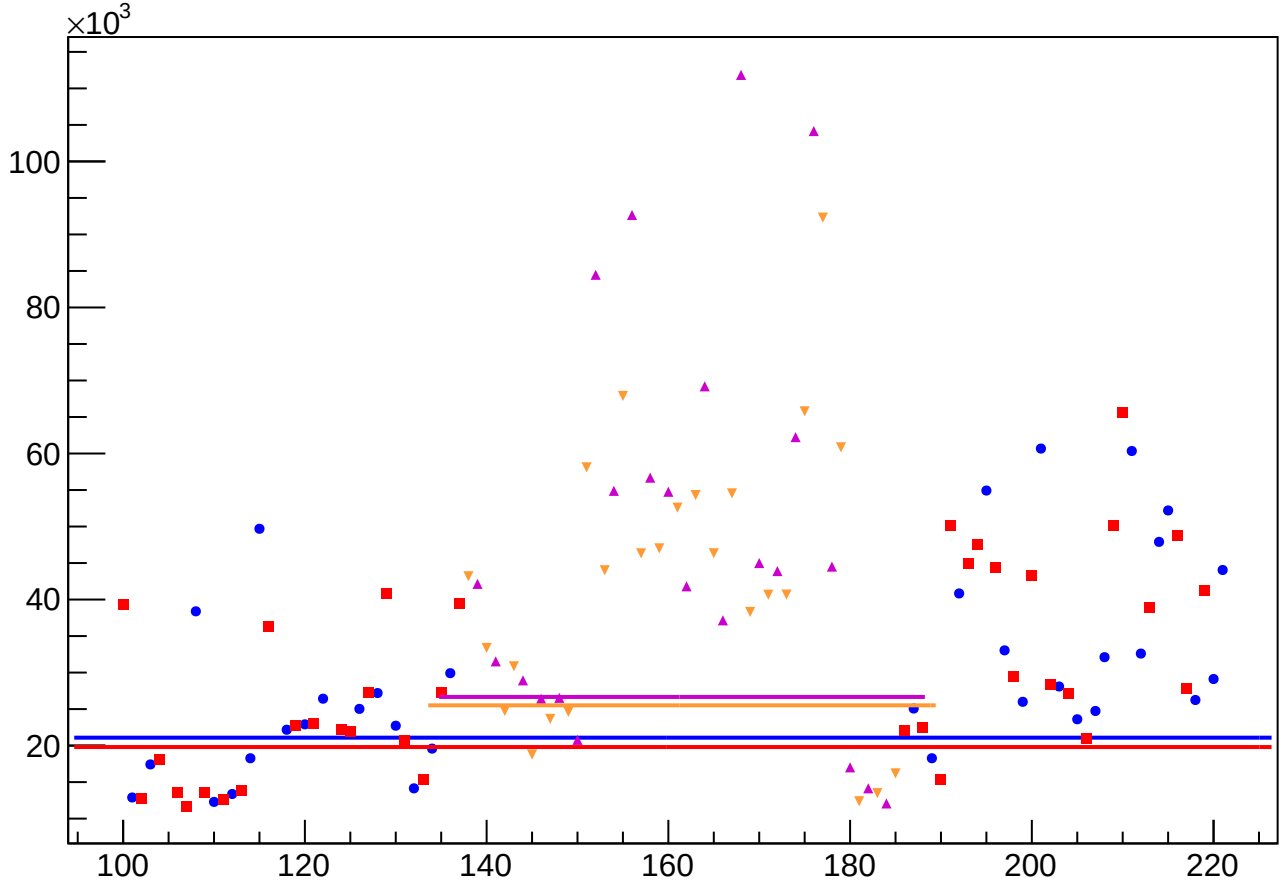
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign -0.760+/-4.641 χ^2/NDF: 61.7/58

All: -2.981+/-3.306 χ^2/NDF: 126.3/118

- sign -5.270+/-4.710 χ^2/NDF: 64.1/59

asym_bcm_an_diff_rms vs Slug



Right In: 21086.297+/-4.144 χ^2/NDF: 4519401.1/33

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19803.006+/-3.936 χ^2/NDF: 5039774.9/36

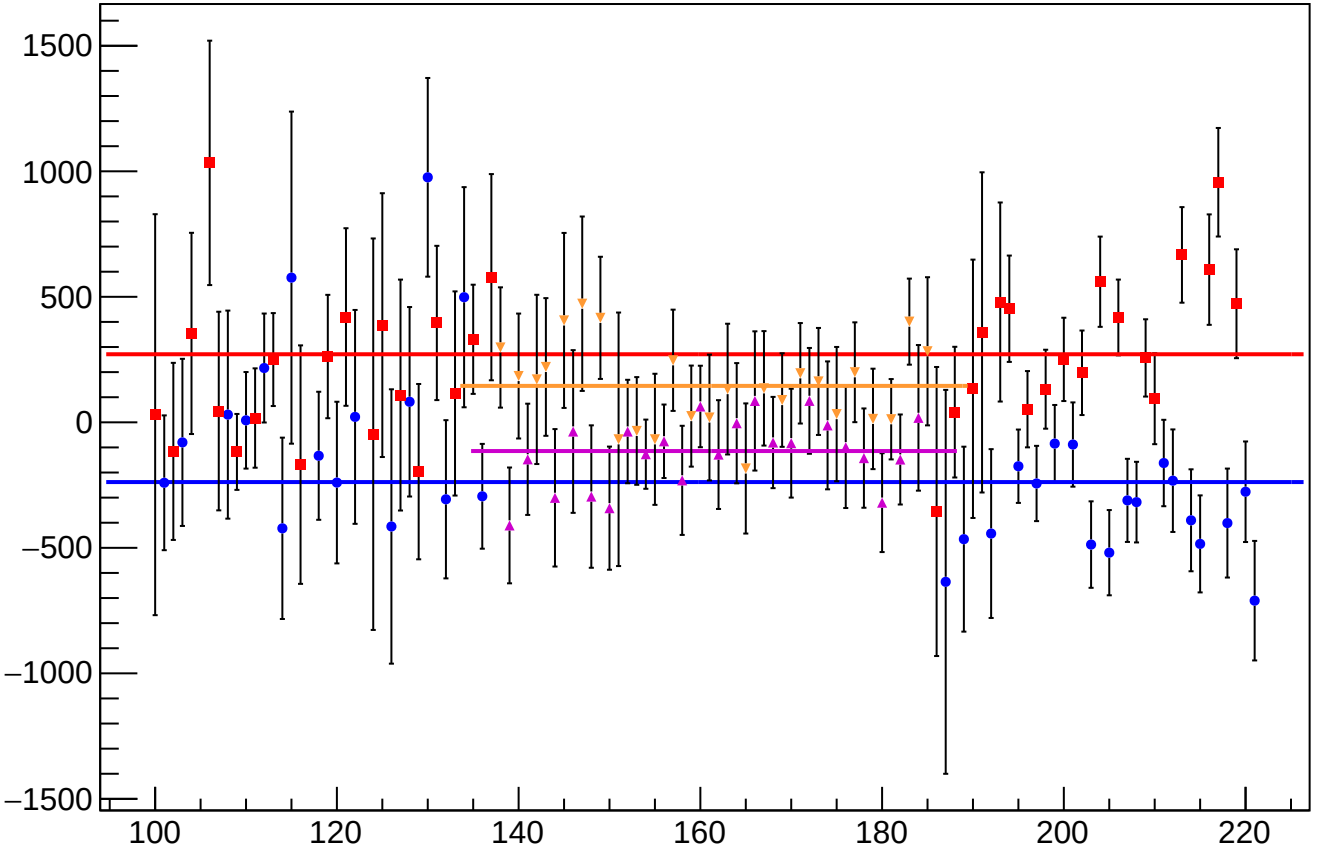
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22736.476+/-3.282 χ^2/NDF: 12687364.5/58

All: 22250.496+/-2.338 χ^2/NDF: 24516746.4

- sign 21749.917+/-3.331 χ^2/NDF: 11784863.5/59

asym_bcm_an_ds_mean vs Slug



Right In: -237.983+/-38.475 χ^2/NDF: 37.3/33

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 271.182+/-38.862 χ^2/NDF: 44.7/36

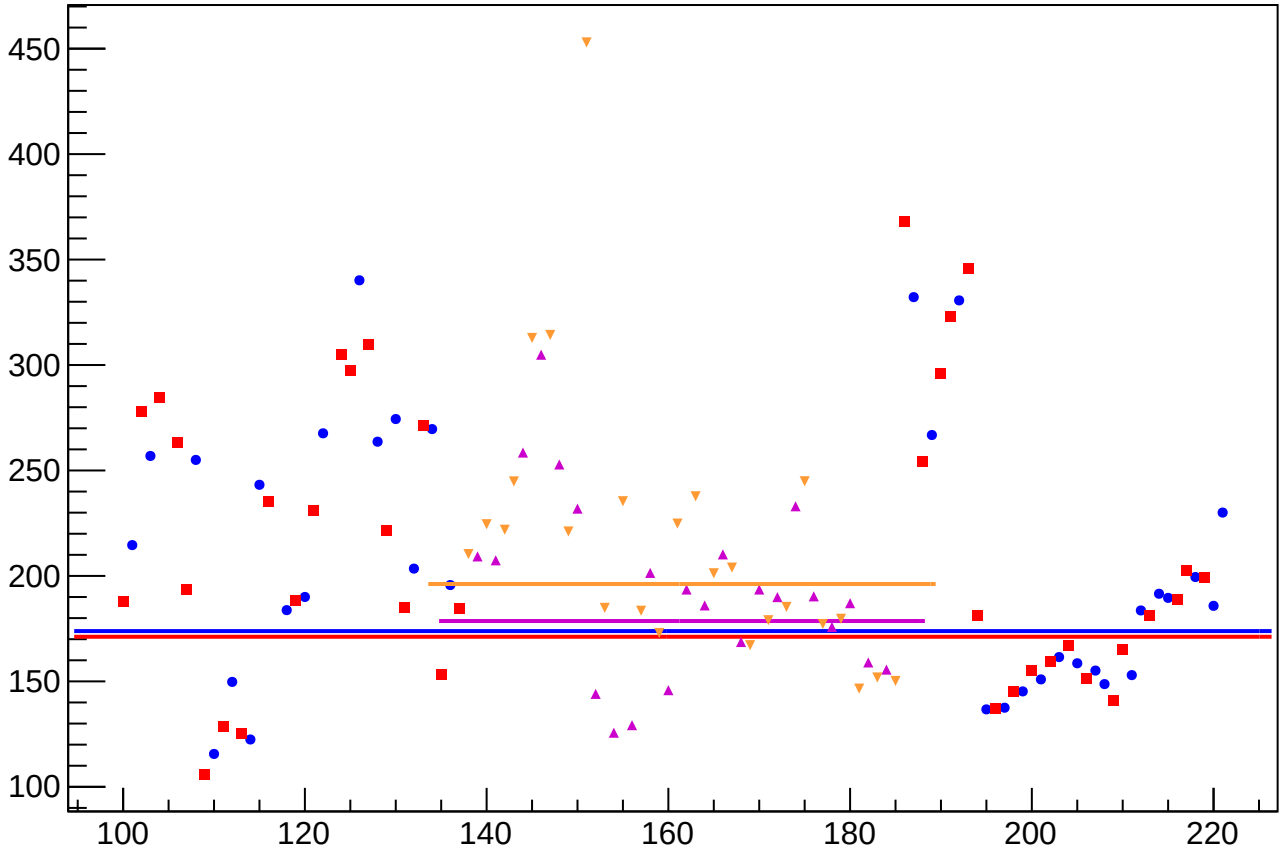
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -81.177+/-29.572 χ^2/NDF: 89.1/58

All: 11.412+/-20.711 χ^2/NDF: 205.0/118

- sign 100.557+/-29.016 χ^2/NDF: 96.6/59

asym_bcm_an_ds_rms vs Slug



Right In: 173.842+/-0.027 χ^2/NDF: 2495977.1/33

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 171.159+/-0.027 χ^2/NDF: 3108757.8/36

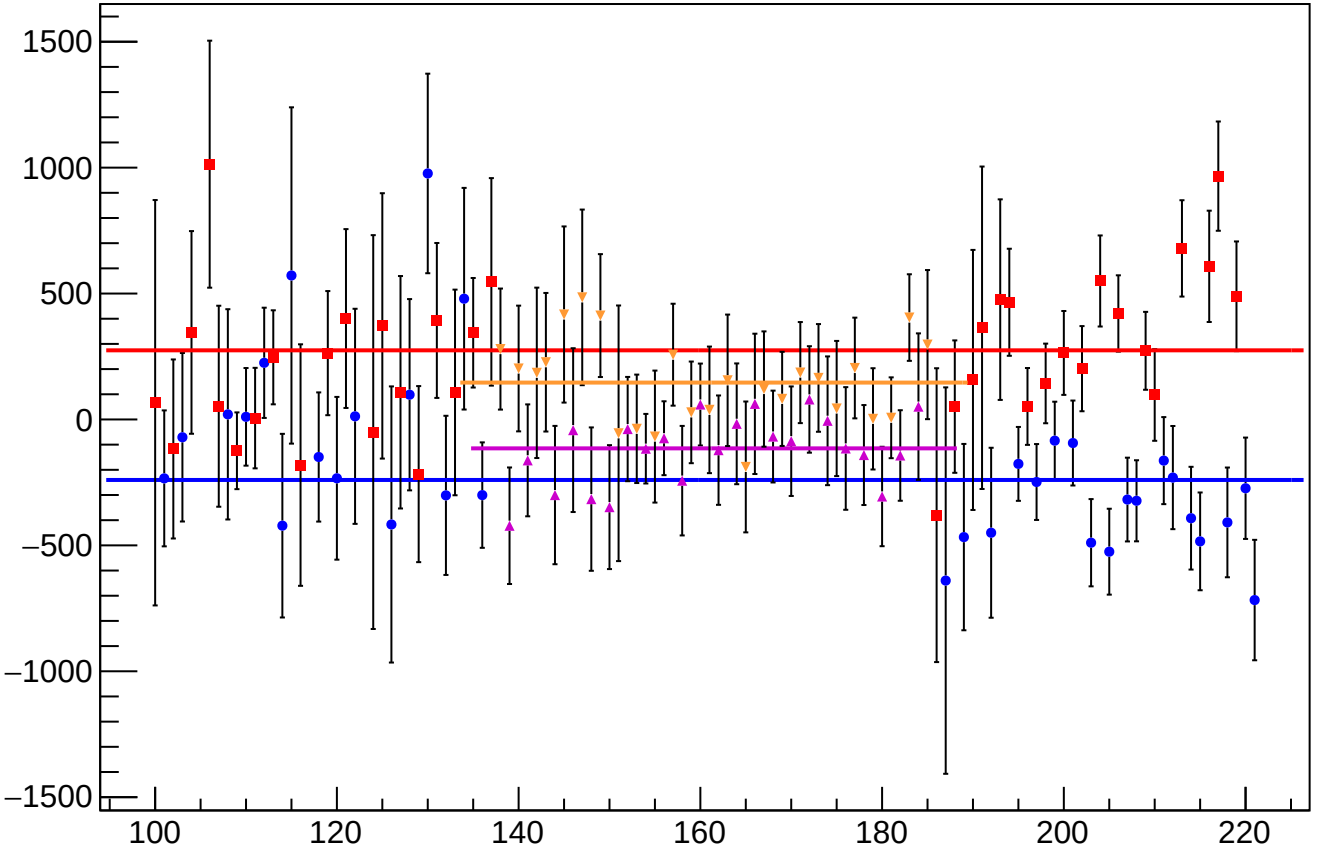
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 182.978+/-0.021 χ^2/NDF: 4578395.2/58

All: 178.639+/-0.015 χ^2/NDF: 9456179.0/118

- sign 174.461+/-0.021 χ^2/NDF: 4793259.4/59

asym_bcm_an_ds3_mean vs Slug



Right In: -240.284+/-38.655 χ^2/NDF: 37.4/33

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 274.494+/-39.054 χ^2/NDF: 45.0/36

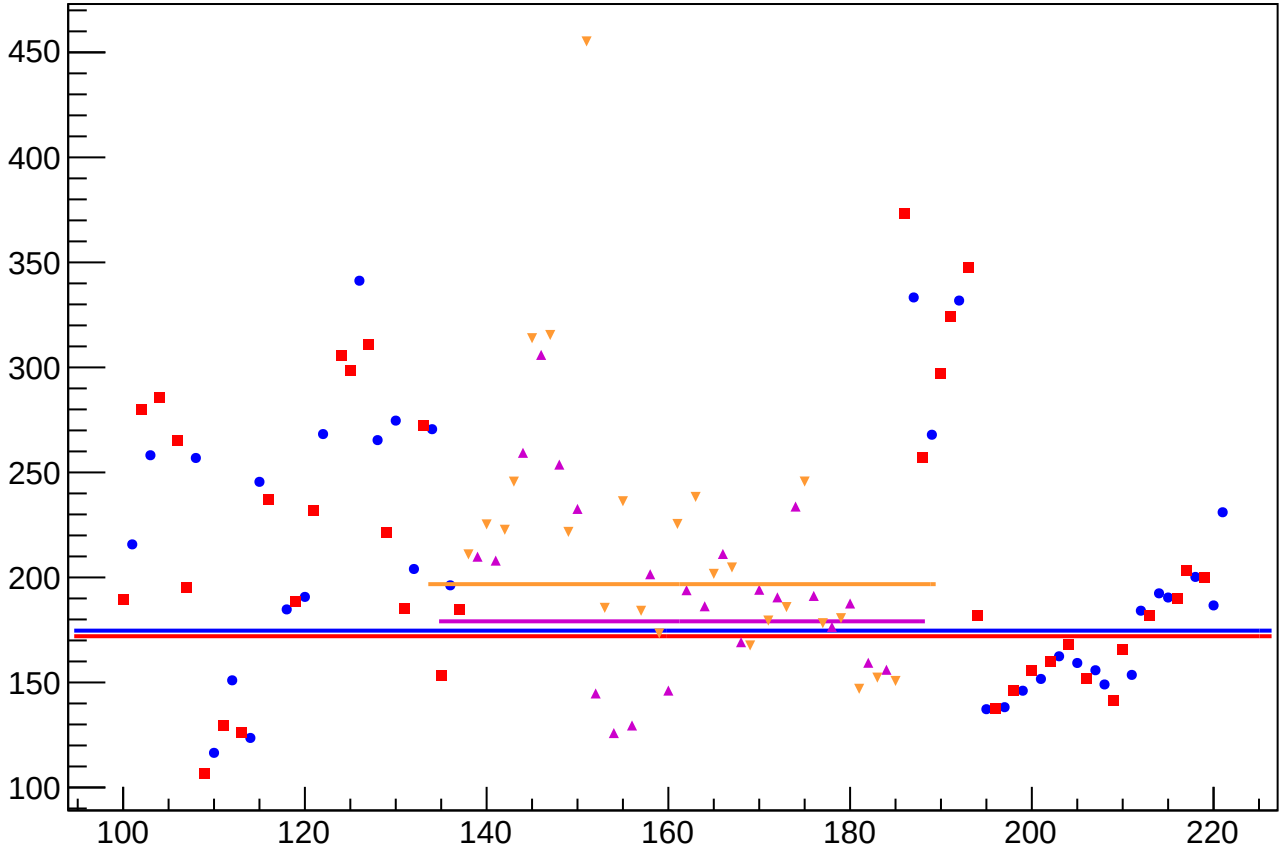
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -81.772+/-29.694 χ^2/NDF: 89.9/58

All: 11.770+/-20.795 χ^2/NDF: 206.9/118

- sign 101.808+/-29.132 χ^2/NDF: 97.5/59

asym_bcm_an_ds3_rms vs Slug



Right In: 174.673+/-0.027 χ^2/NDF: 2487096.3/33

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.012+/-0.028 χ^2/NDF: 3104834.2/36

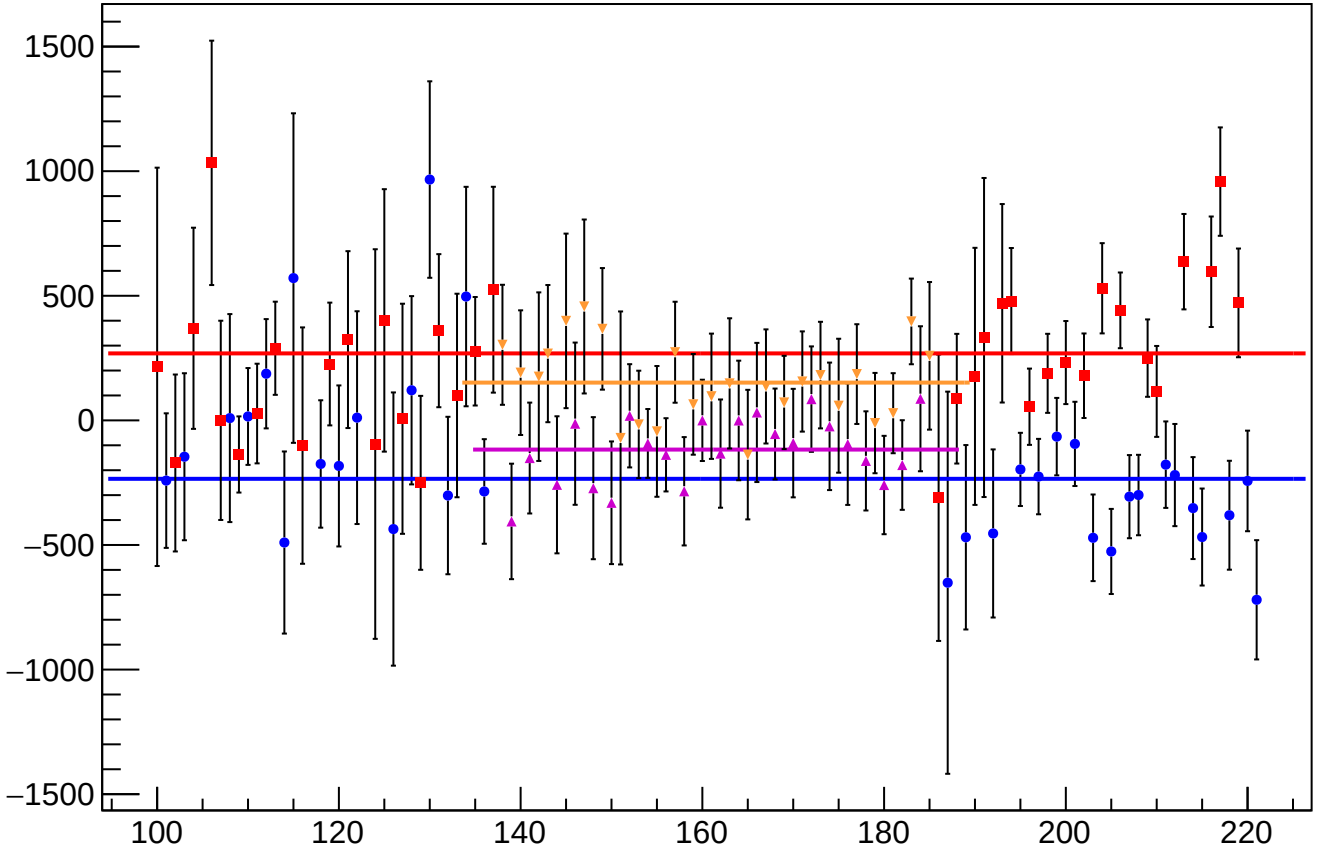
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 183.745+/-0.021 χ^2/NDF: 4564459.3/58

All: 179.369+/-0.015 χ^2/NDF: 9439659.4/118

- sign 175.156+/-0.021 χ^2/NDF: 4789932.0/59

asym_bcm_an_us_mean vs Slug



Right In: -234.519+/-38.729 χ^2/NDF: 35.9/33

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 268.770+/-39.109 χ^2/NDF: 43.3/36

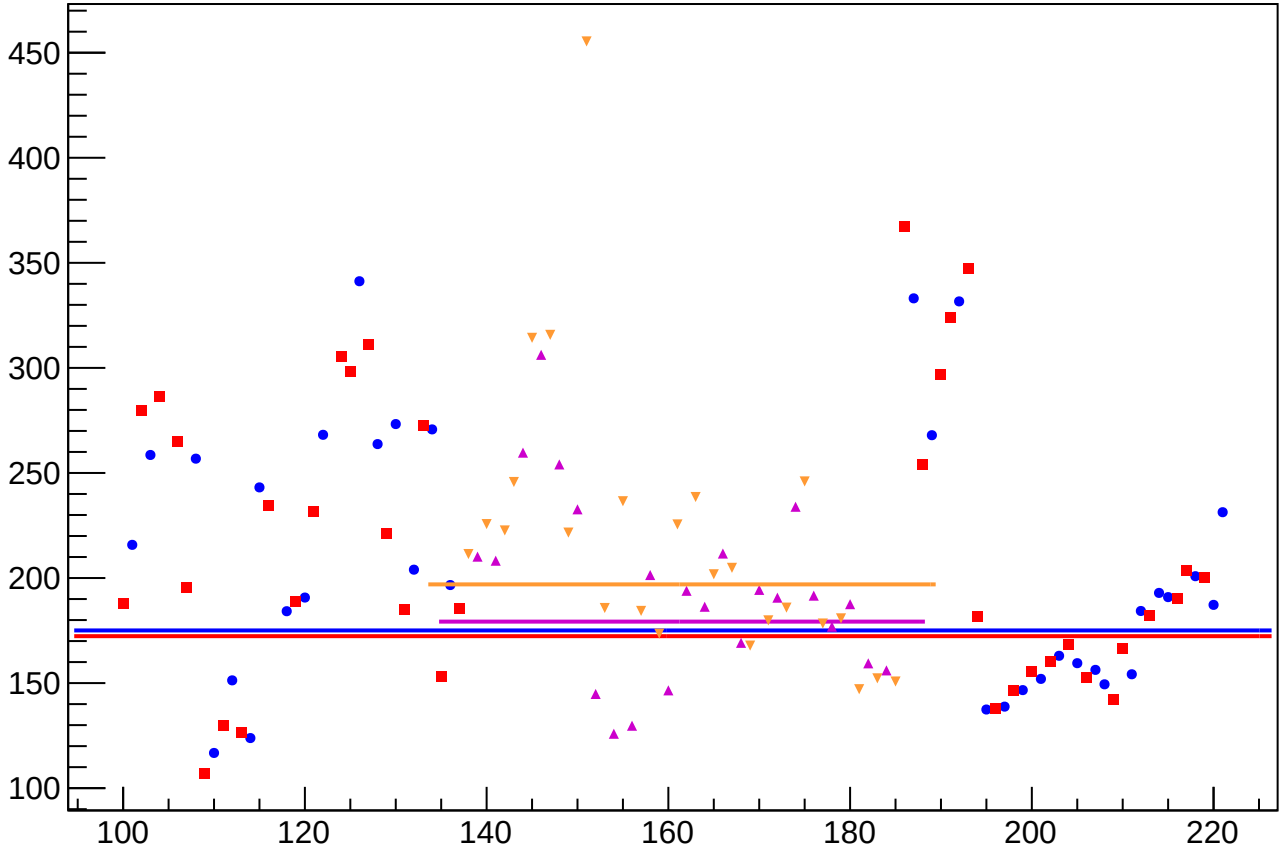
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -76.052+/-29.738 χ^2/NDF: 86.3/58

All: 12.395+/-20.823 χ^2/NDF: 197.7/118

- sign 97.474+/-29.166 χ^2/NDF: 94.0/59

asym_bcm_an_us_rms vs Slug



Right In: 175.059+/-0.027 χ^2/NDF: 2465120.7/33

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

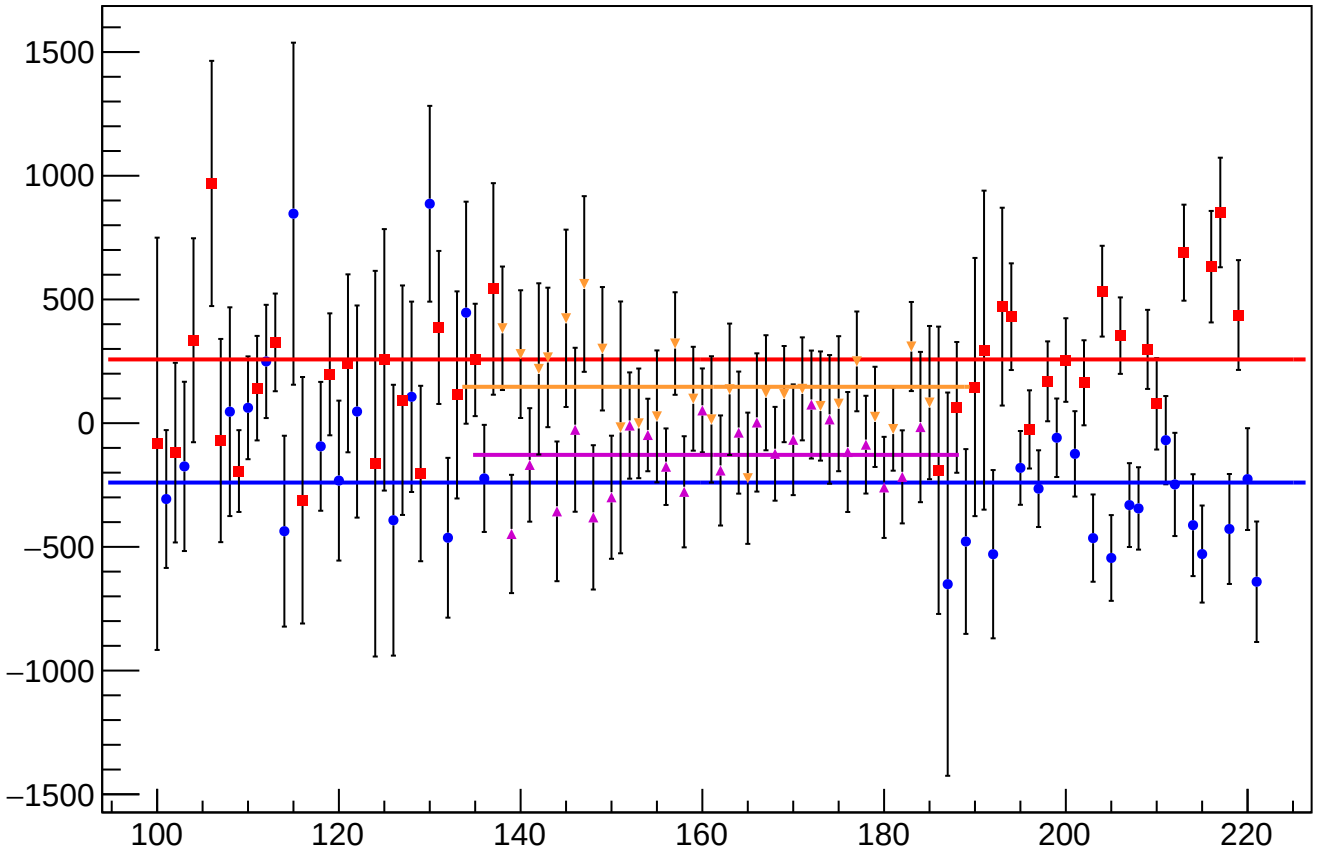
Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 184.054+/-0.021 χ^2/NDF: 4537277.4/58

All: 179.645+/-0.015 χ^2/NDF: 9376742.1/118

- sign 175.405+/-0.021 χ^2/NDF: 4753225.8/59



Right In: -240.067+/-39.571 χ^2/NDF: 38.5/33

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 257.611+/-40.095 χ^2/NDF: 41.2/36

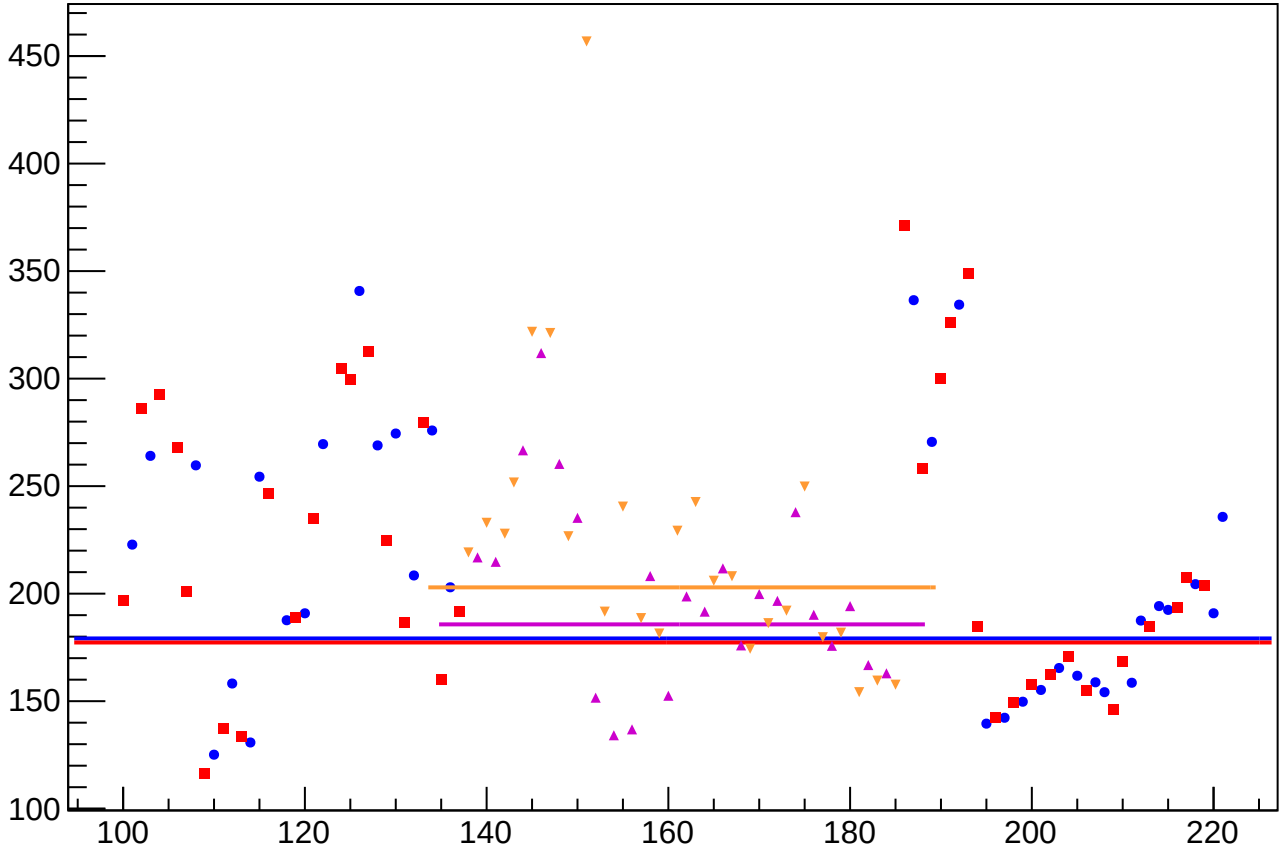
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -82.322+/-30.458 χ^2/NDF: 87.7/58

All: 4.007+/-21.371 χ^2/NDF: 194.0/118

- sign 87.731+/-29.995 χ^2/NDF: 90.5/59

asym_bcm_dg_us_rms vs Slug



Right In: 179.171+/-0.028 χ^2/NDF: 2355106.0/33

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 177.290+/-0.028 χ^2/NDF: 2848542.5/36

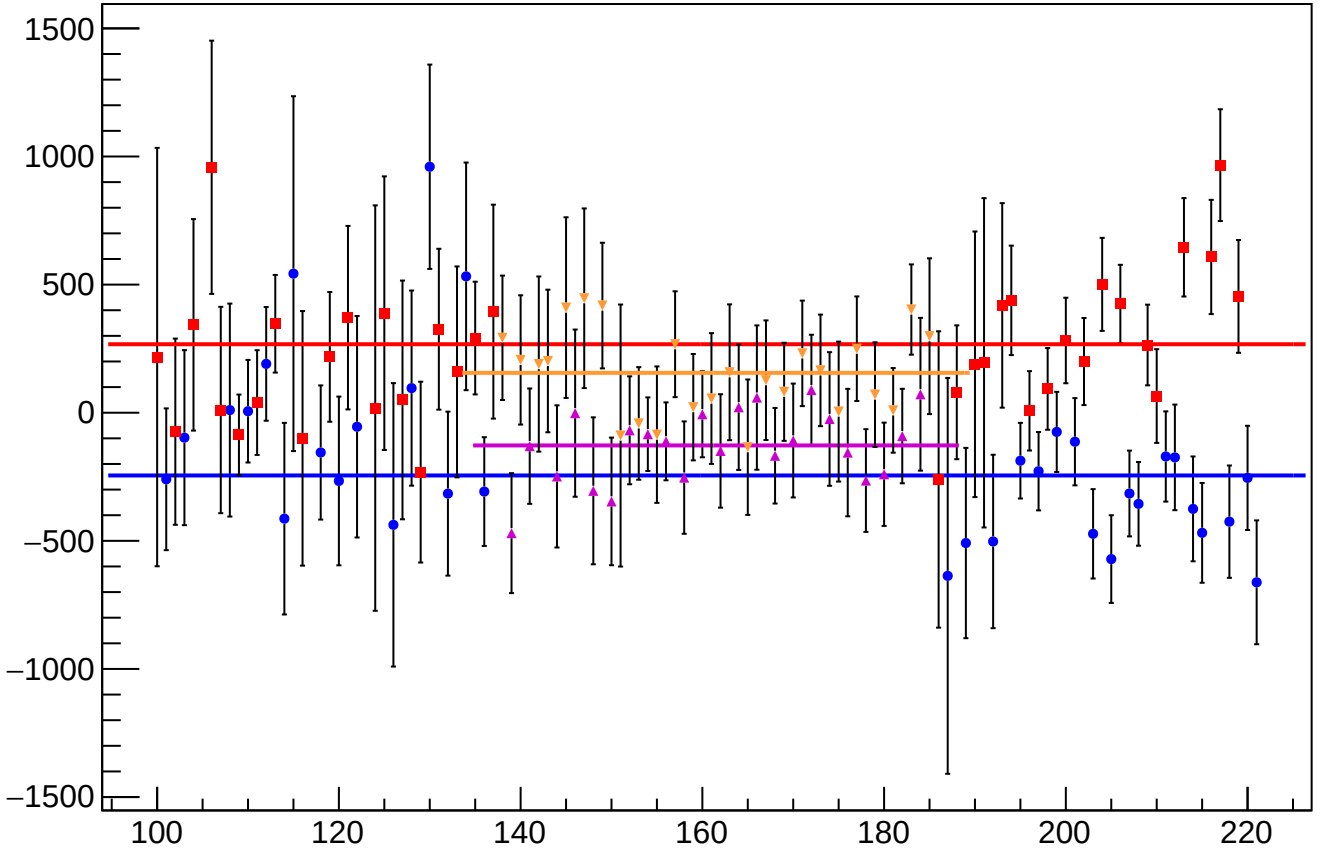
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 188.850+/-0.022 χ^2/NDF: 4348832.1/58

All: 184.865+/-0.015 χ^2/NDF: 8793196.7/118

- sign 181.001+/-0.021 χ^2/NDF: 4376922.5/59

asym_bcm_dg_ds_mean vs Slug



Right In: -244.840+/-39.084 χ^2/NDF: 36.0/33

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 267.317+/-39.506 χ^2/NDF: 40.5/36

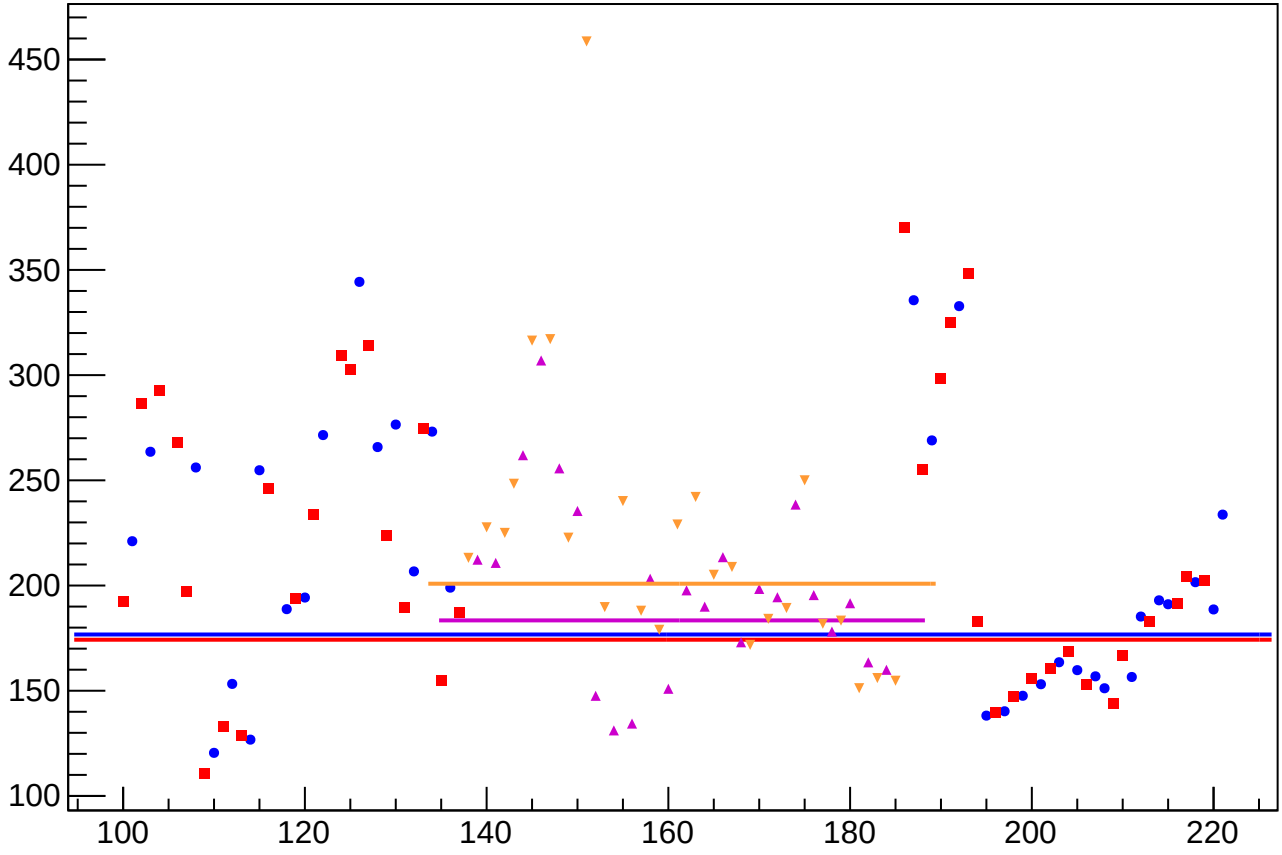
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -82.198+/-30.119 χ^2/NDF: 89.3/58

All: 7.476+/-21.112 χ^2/NDF: 199.0/118

- sign 94.091+/-29.601 χ^2/NDF: 92.3/59

asym_bcm_dg_ds_rms vs Slug



Right In: 176.728+/-0.028 χ^2/NDF: 2449886.9/33

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 174.244+/-0.028 χ^2/NDF: 3024807.6/36

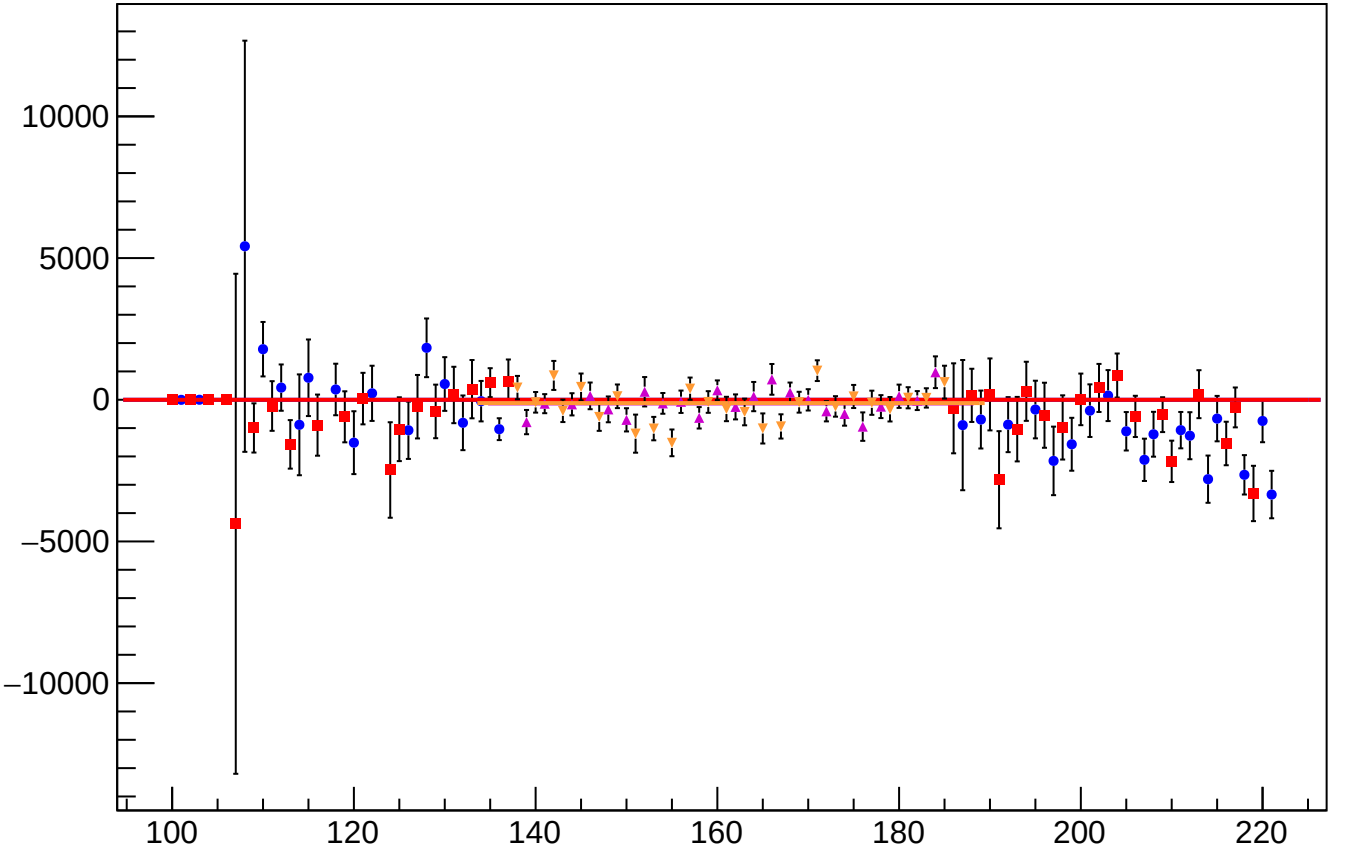
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 186.530+/-0.021 χ^2/NDF: 4487070.5/58

All: 182.331+/-0.015 χ^2/NDF: 9166443.8/118

- sign 178.274+/-0.021 χ^2/NDF: 4602940.9/59

asym_cav4bQ_mean vs Slug



Right In: -1.403+/-2.171 χ^2/NDF: 89.3/33

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.432+/-2.022 χ^2/NDF: 48.9/36

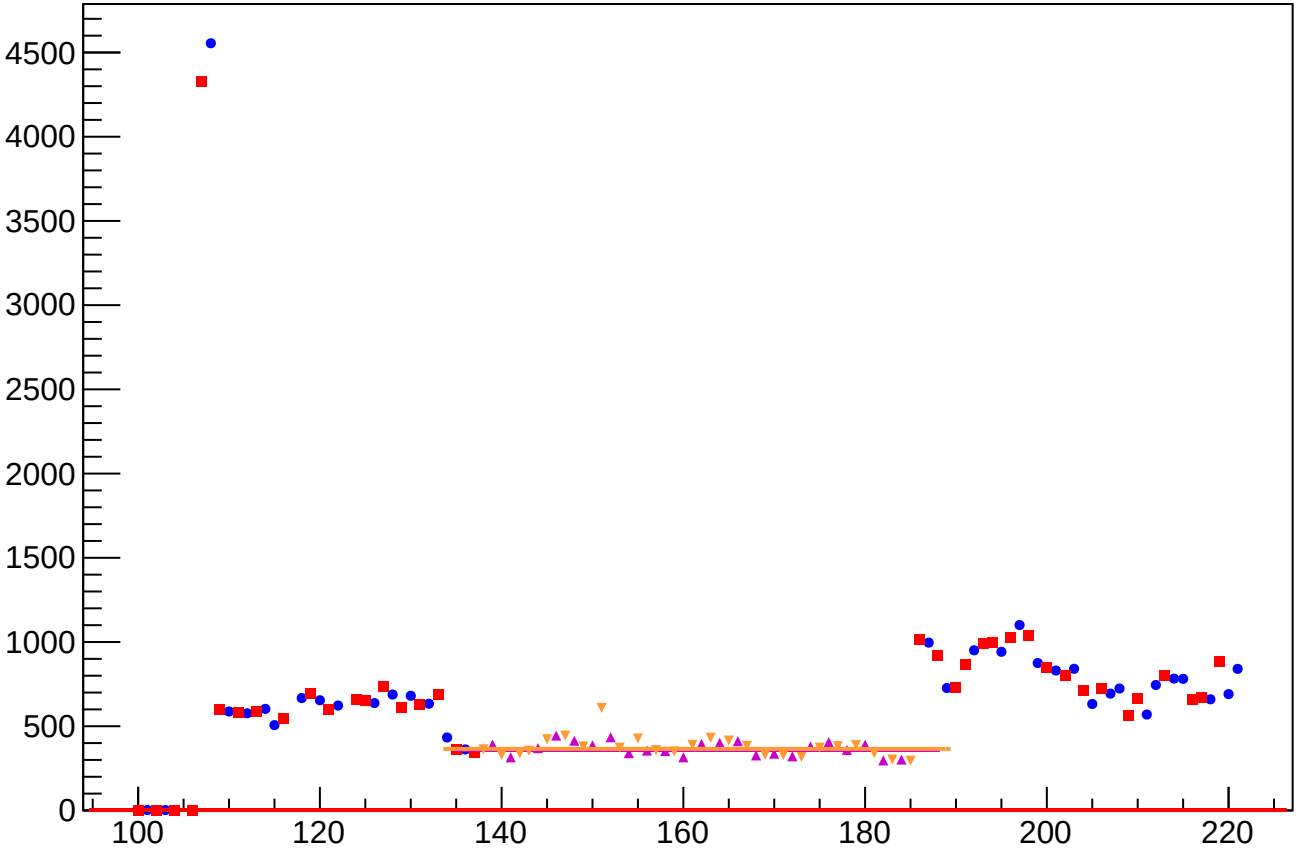
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.480+/-2.170 χ^2/NDF: 137.6/58

All: -1.493+/-1.479 χ^2/NDF: 210.4/118

- sign -1.505+/-2.022 χ^2/NDF: 72.8/59

asym_cav4bQ_rms vs Slug



Right In: 2.566+/-0.002 χ^2/NDF: 40718245.6/33

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.533+/-0.001 χ^2/NDF: 39138135.8/36

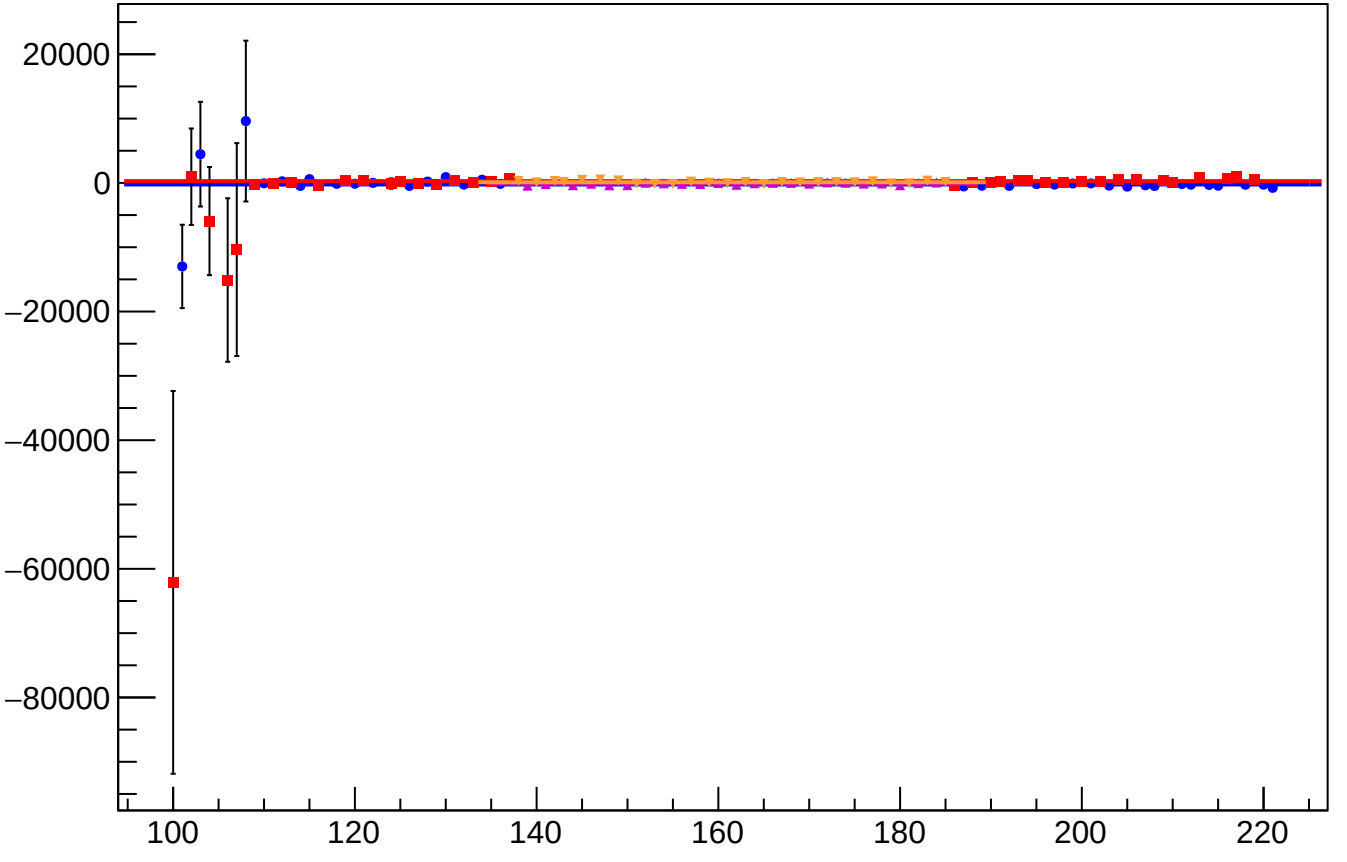
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.807+/-0.002 χ^2/NDF: 78534983.4/58

All: 2.768+/-0.001 χ^2/NDF: 153218445.9/118

- sign 2.734+/-0.001 χ^2/NDF: 74682275.3/59

asym_cav4cQ_mean vs Slug



Right In: -242.437+/-42.325 χ^2/NDF: 38.7/33

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 273.649+/-43.274 χ^2/NDF: 49.2/36

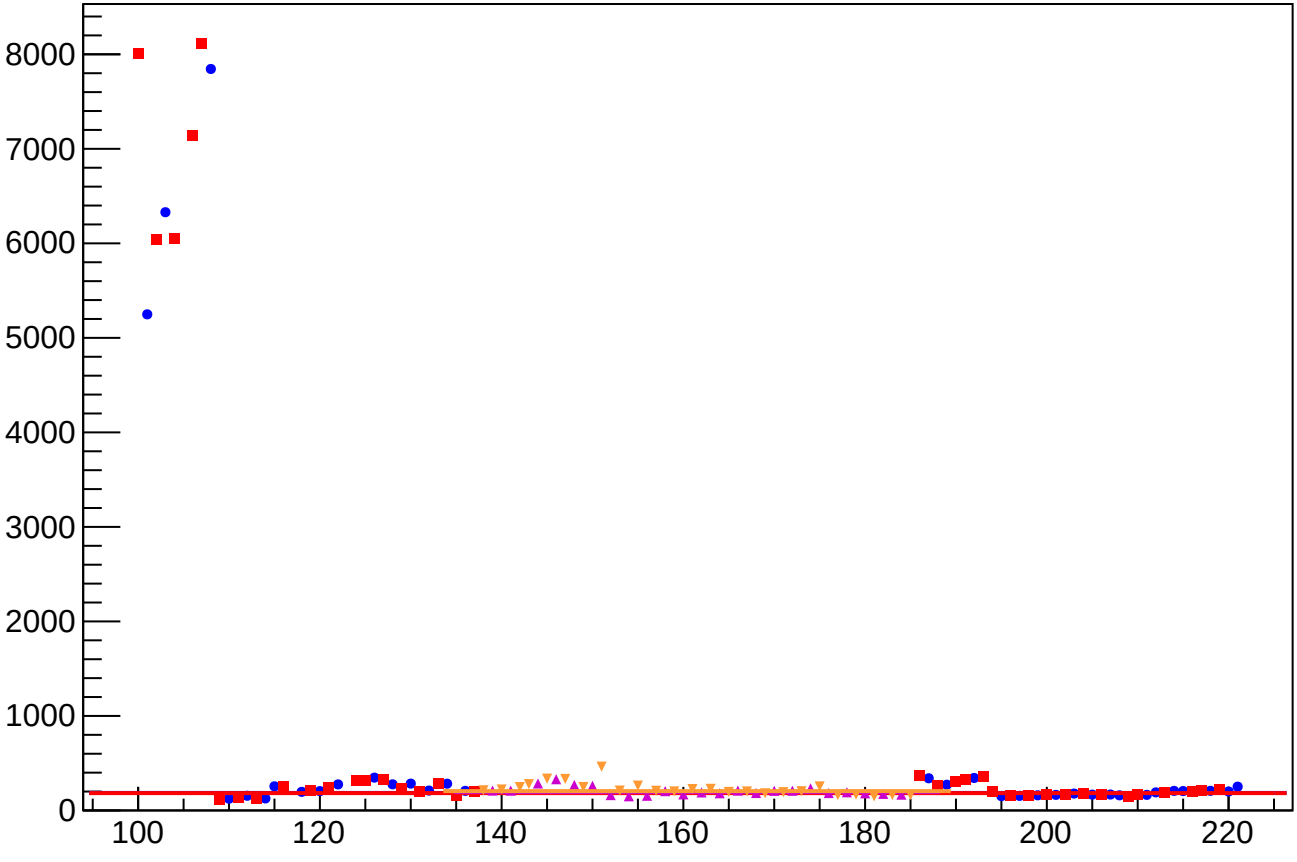
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -93.698+/-31.818 χ^2/NDF: 79.8/58

All: -0.278+/-22.500 χ^2/NDF: 193.4/118

- sign 93.165+/-31.822 χ^2/NDF: 96.4/59

asym_cav4cQ_rms vs Slug



Right In: 185.289+/-0.030 χ^2/NDF: 5125026.9/33

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 183.506+/-0.031 χ^2/NDF: 5707838.6/36

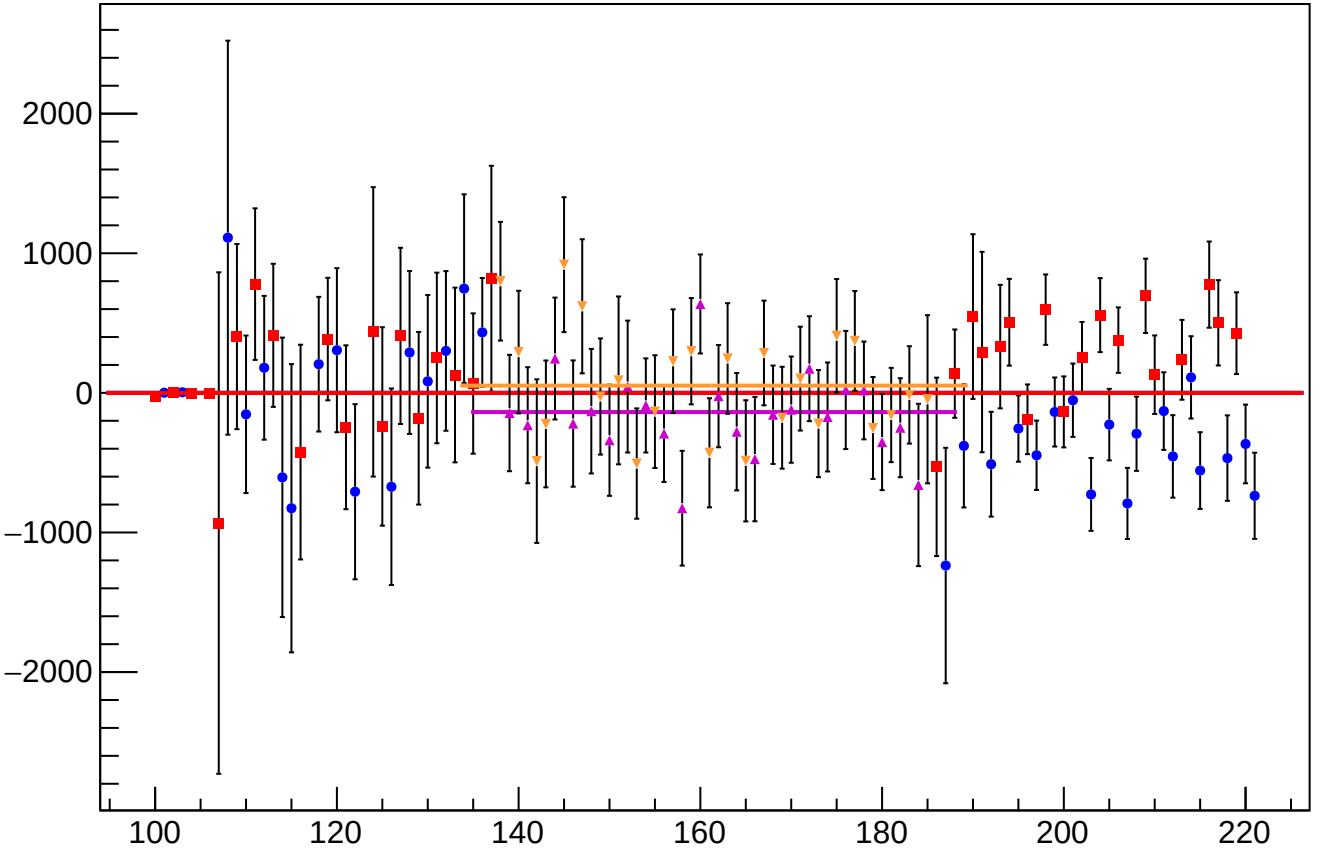
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 193.678+/-0.022 χ^2/NDF: 7280842.5/58

All: 190.978+/-0.016 χ^2/NDF: 14262020.9/11

- sign 188.277+/-0.023 χ^2/NDF: 6952368.6/59

asym_cav4dQ_mean vs Slug



Right In: 1.226+/-1.660 χ^2/NDF: 53.6/33

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.942+/-1.527 χ^2/NDF: 47.7/36

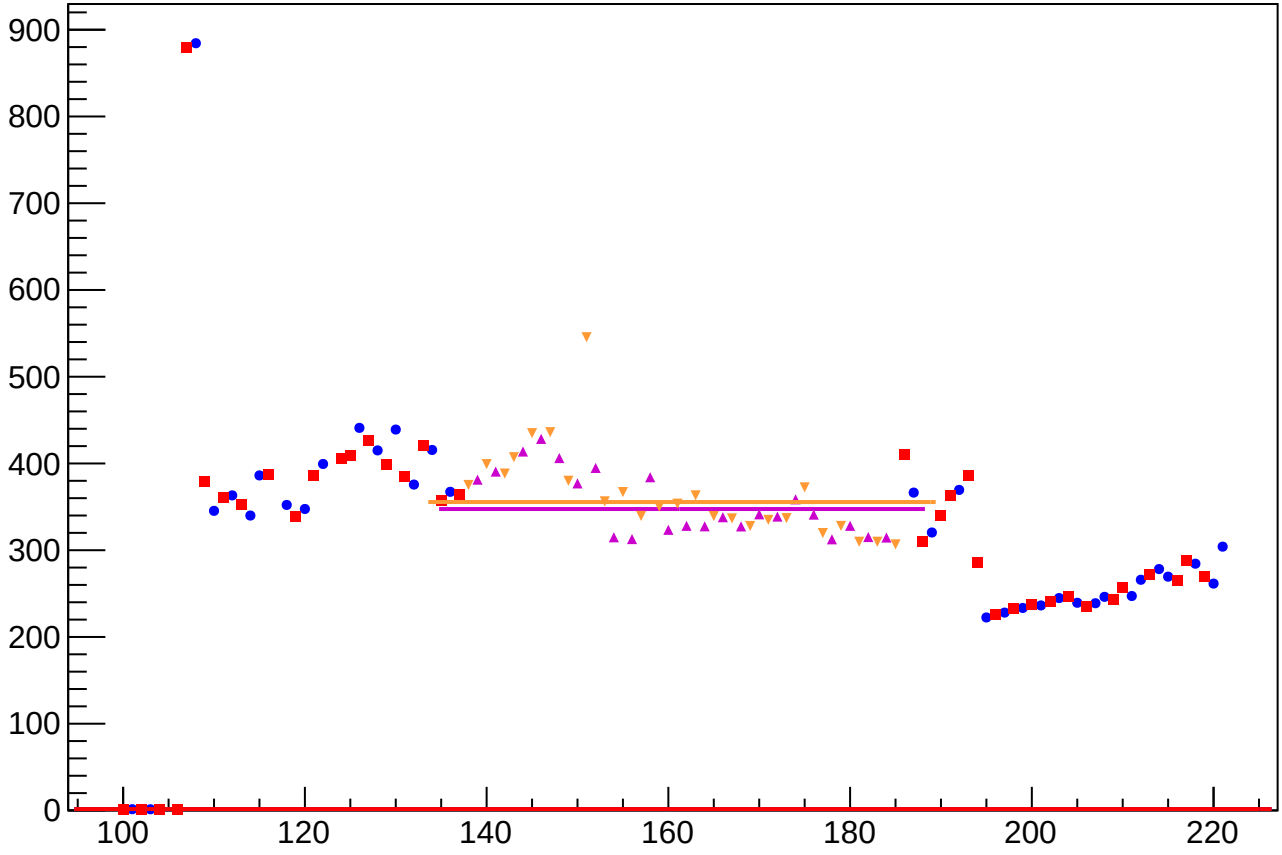
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.247+/-1.659 χ^2/NDF: 73.4/58

All: 0.037+/-1.124 χ^2/NDF: 137.0/118

- sign -0.989+/-1.527 χ^2/NDF: 62.6/59

asym_cav4dQ_rms vs Slug



Right In: 1.625+/-0.001 χ^2/NDF: 40876250.9/33

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.588+/-0.001 χ^2/NDF: 38825855.5/36

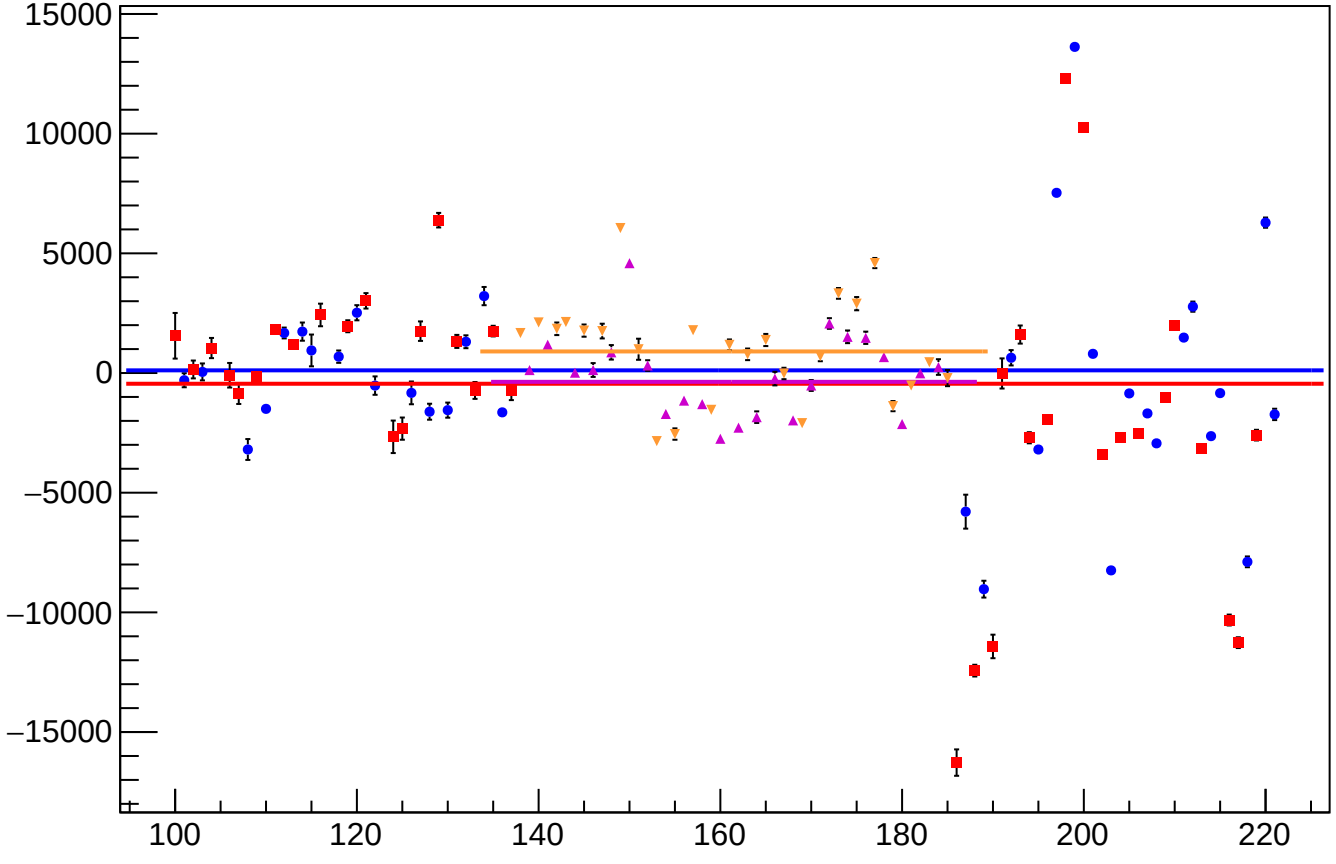
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.772+/-0.001 χ^2/NDF: 79052528.3/58

All: 1.737+/-0.001 χ^2/NDF: 153703254.3/118

- sign 1.708+/-0.001 χ^2/NDF: 74649125.1/59

asym_bcm0l02_mean vs Slug



Right In: 111.497+/-40.580 χ^2/NDF: 14399.2/33

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -448.543+/-40.945 χ^2/NDF: 18860.0/36

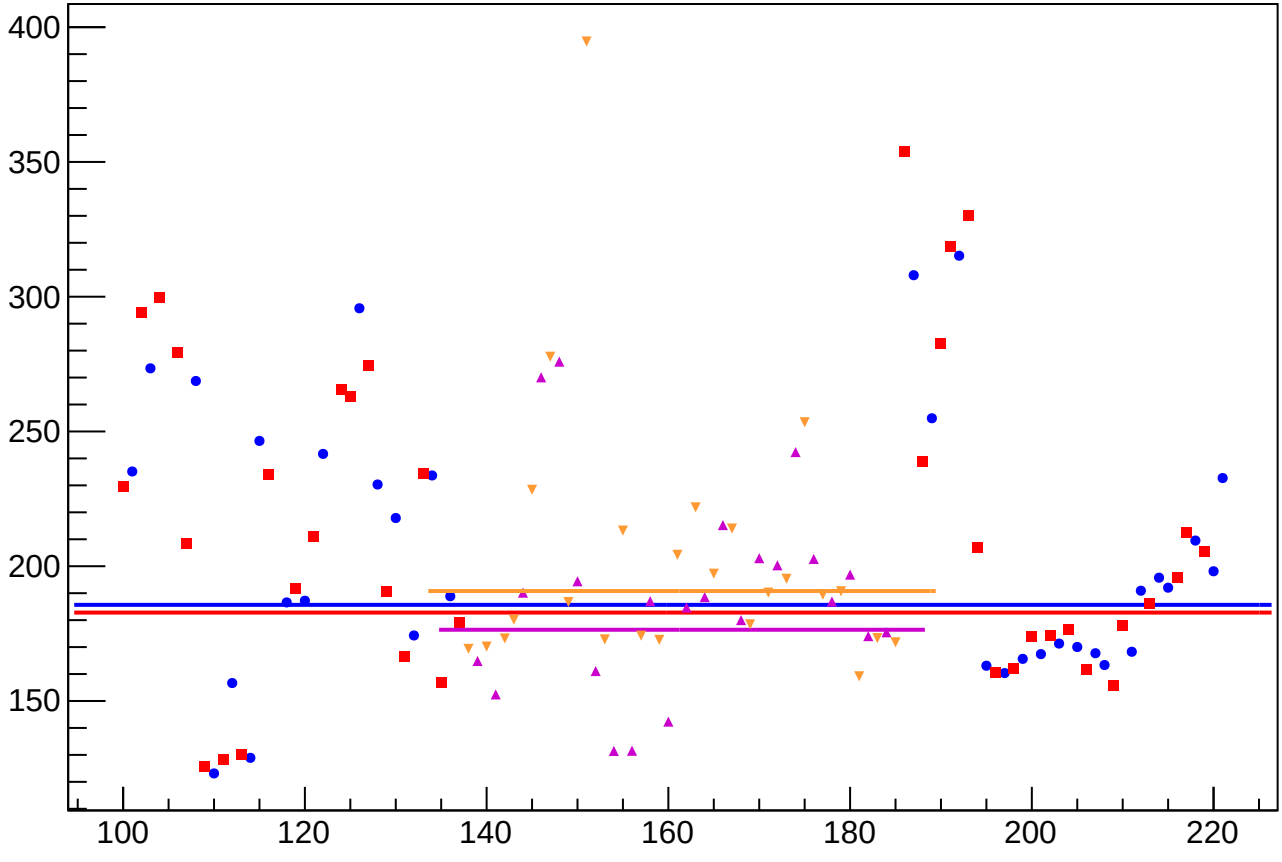
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 470.329+/-29.979 χ^2/NDF: 16982.3/58

All: 23.830+/-21.046 χ^2/NDF: 37874.5/118

- sign -410.081+/-29.553 χ^2/NDF: 20454.9/59

asym_bcm0l02_rms vs Slug



Right In: 185.670+/-0.029 χ^2/NDF: 1573358.3/33

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.804+/-0.029 χ^2/NDF: 2254976.8/36

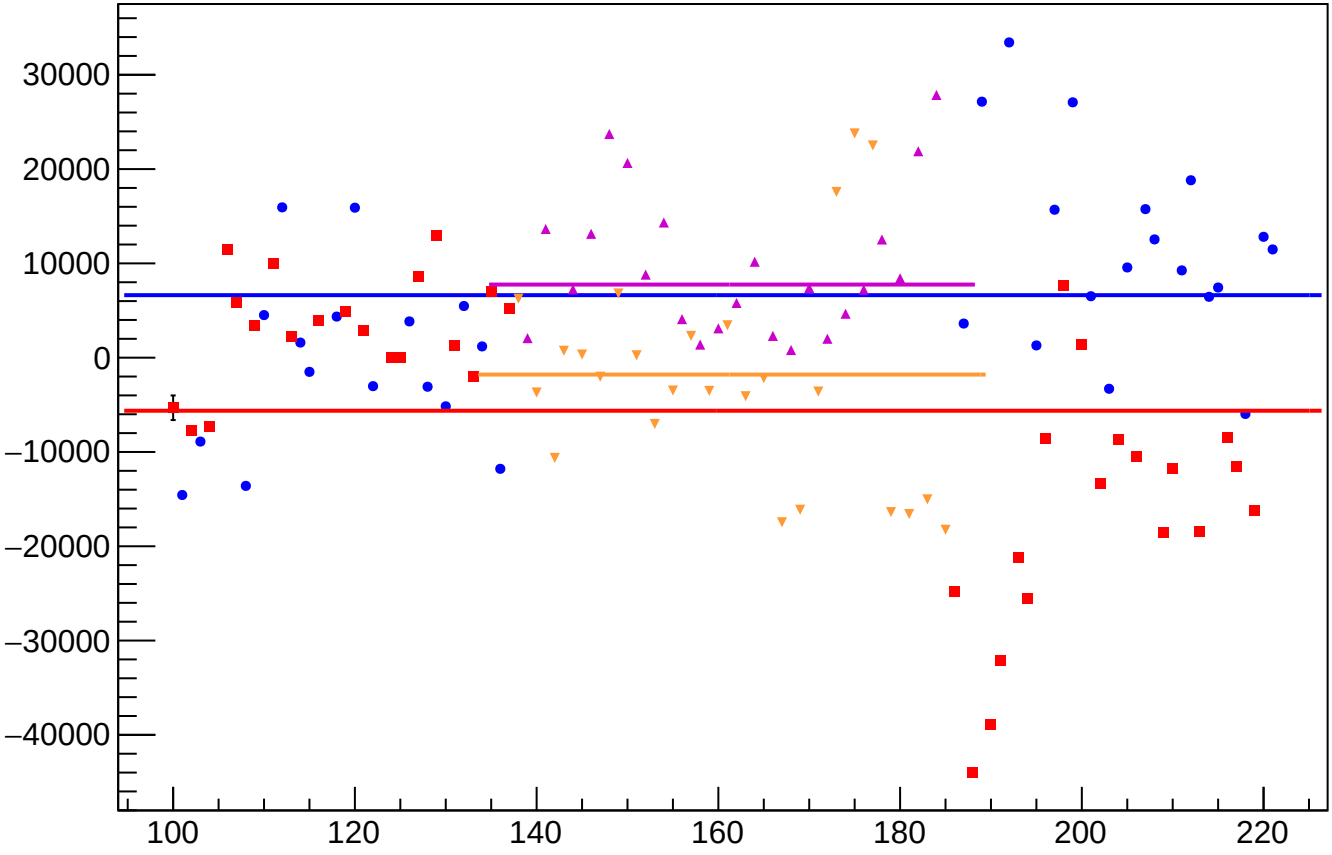
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 188.001+/-0.021 χ^2/NDF: 2607482.1/58

All: 183.817+/-0.015 χ^2/NDF: 6220128.9/118

- sign 179.751+/-0.021 χ^2/NDF: 3535844.5/59

asym_bpm0i02WS_mean vs Slug



Right In: 6630.436+/-37.092 χ^2/NDF: 100296.4/33

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5625.025+/-36.486 χ^2/NDF: 149627.3/36

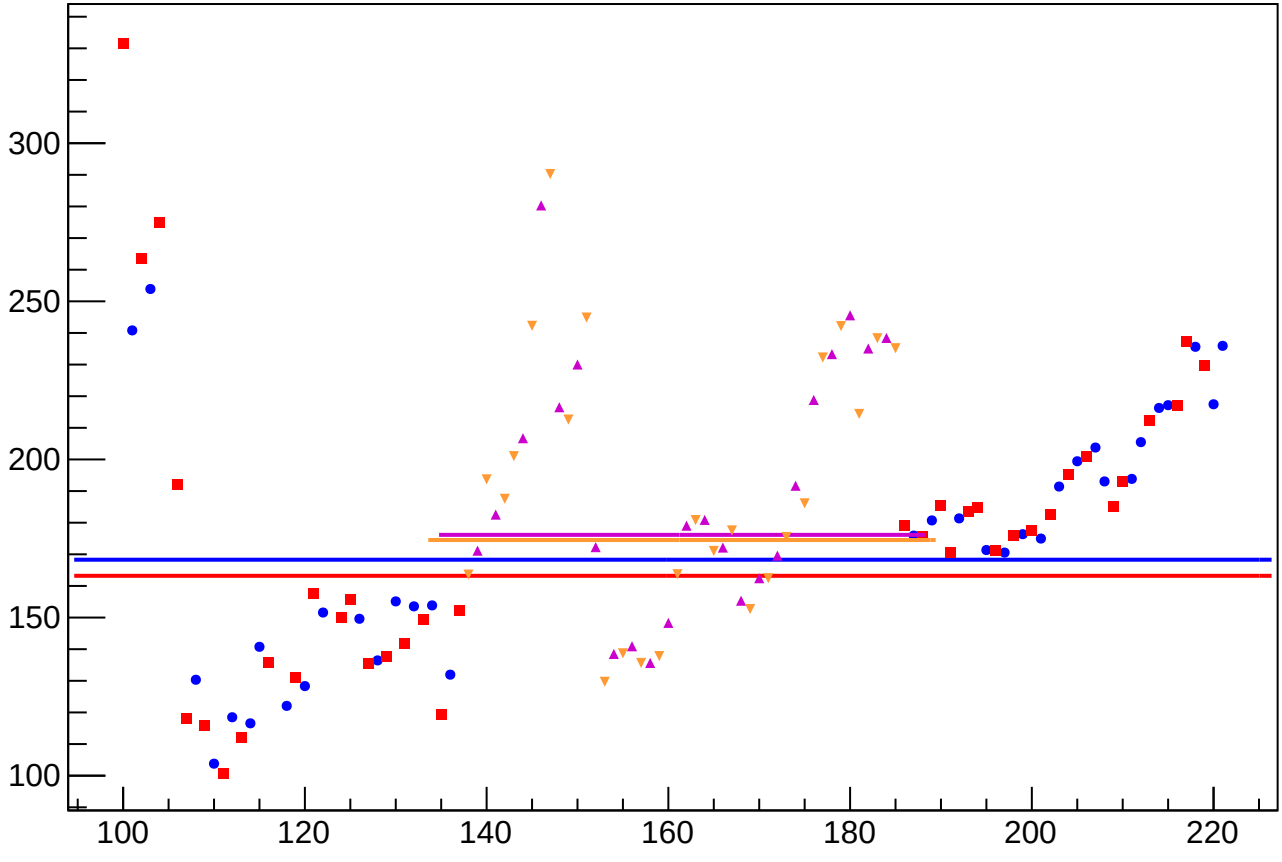
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2831.287+/-27.479 χ^2/NDF: 189295.3/58

All: 1447.441+/-19.509 χ^2/NDF: 424260.8/11

- sign 40.898+/-27.703 χ^2/NDF: 229851.5/59

asym_bpm0i02WS_rms vs Slug



Right In: 168.297+/-0.026 χ^2/NDF: 2086297.3/33

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

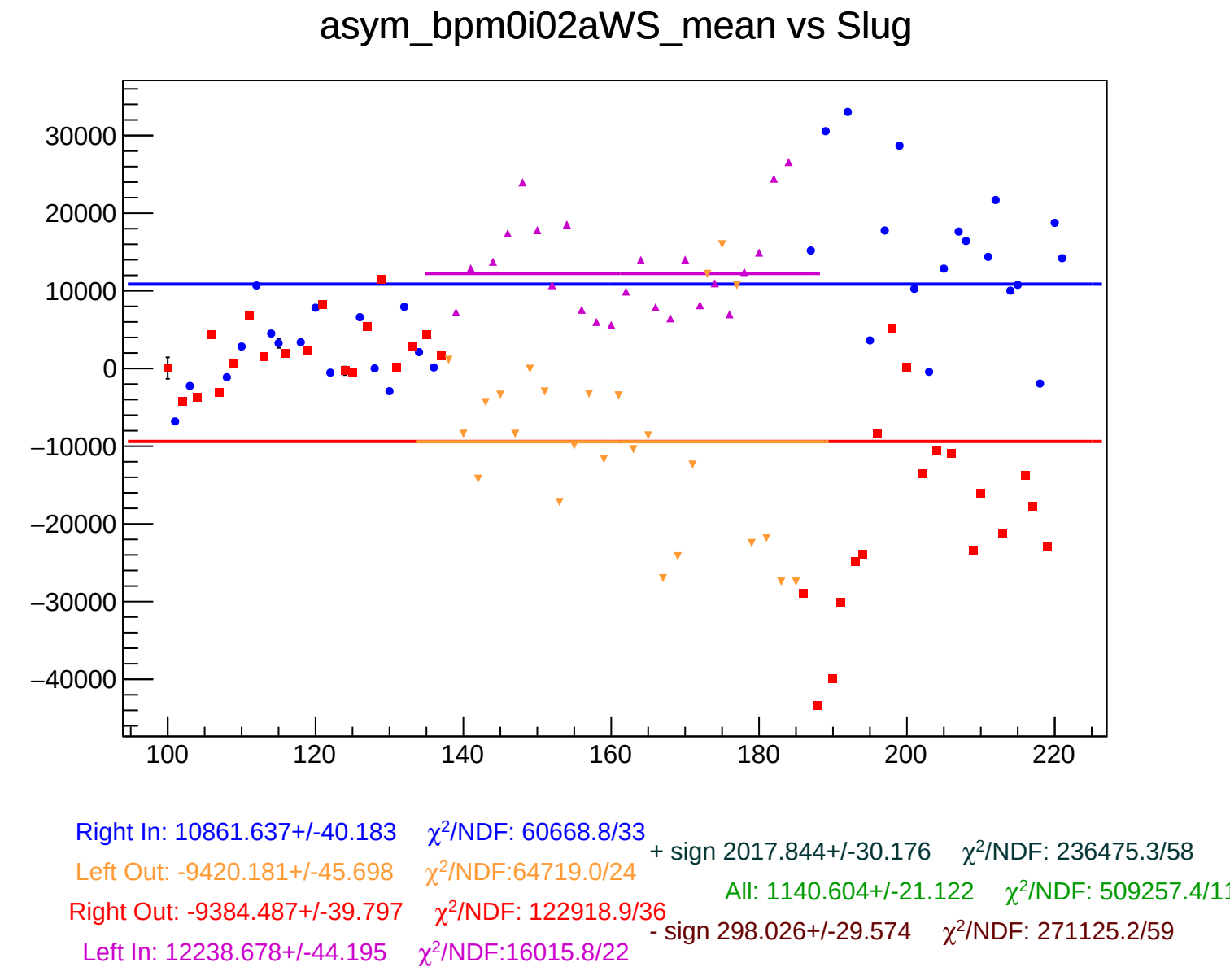
Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

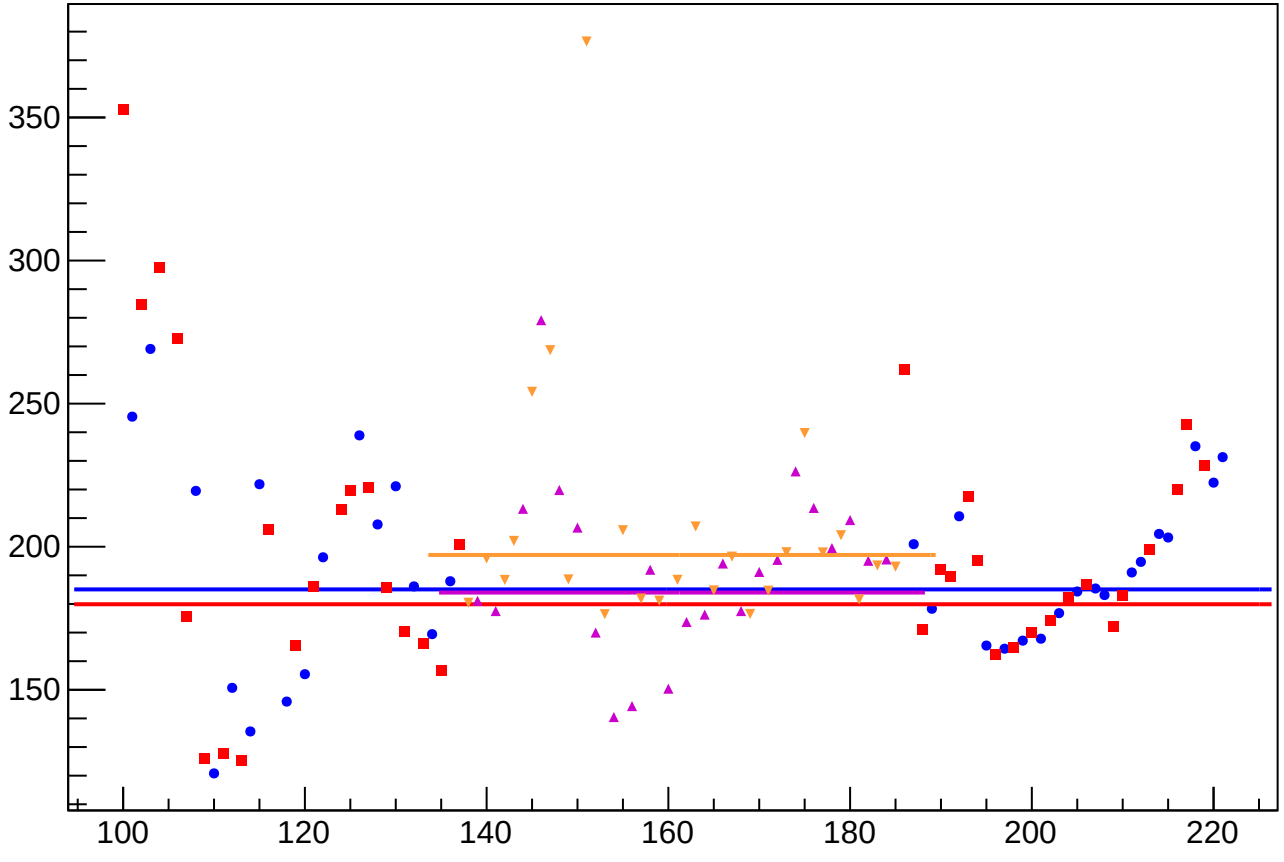
+ sign 171.105+/-0.019 χ^2/NDF: 3771173.5/58

All: 169.907+/-0.014 χ^2/NDF: 7514519.6/118

- sign 168.690+/-0.020 χ^2/NDF: 3735684.8/59


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 10861.637+/-40.183 χ²/NDF: 60668.8/33
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -9384.487+/-39.797 χ²/NDF: 122918.9/36
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 2017.844+/-30.176 χ²/NDF: 236475.3/58
All: 1140.604+/-21.122 χ²/NDF: 509257.4/11
- sign 298.026+/-29.574 χ²/NDF: 271125.2/59

asym_bpm0i02aWS_rms vs Slug



Right In: 185.086+/-0.028 χ^2/NDF: 1062306.5/33

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

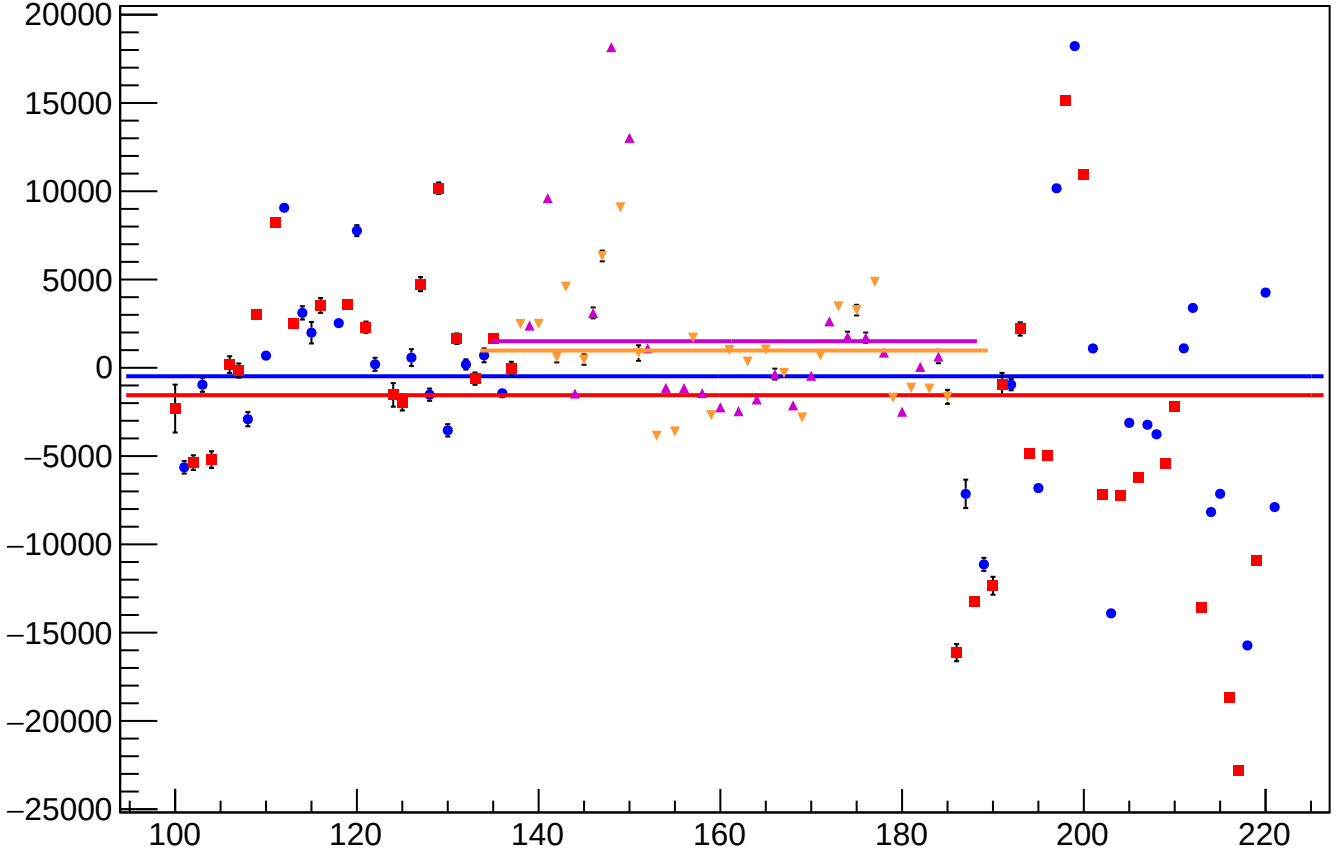
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.335+/-0.021 χ^2/NDF: 1873079.6/58

All: 185.944+/-0.015 χ^2/NDF: 4292470.7/118

- sign 181.728+/-0.021 χ^2/NDF: 2336402.0/59

asym_bpm0i05WS_mean vs Slug



Right In: -479.761+/-45.138 χ^2/NDF: 28035.3/33

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1549.058+/-44.720 χ^2/NDF: 36556.9/36

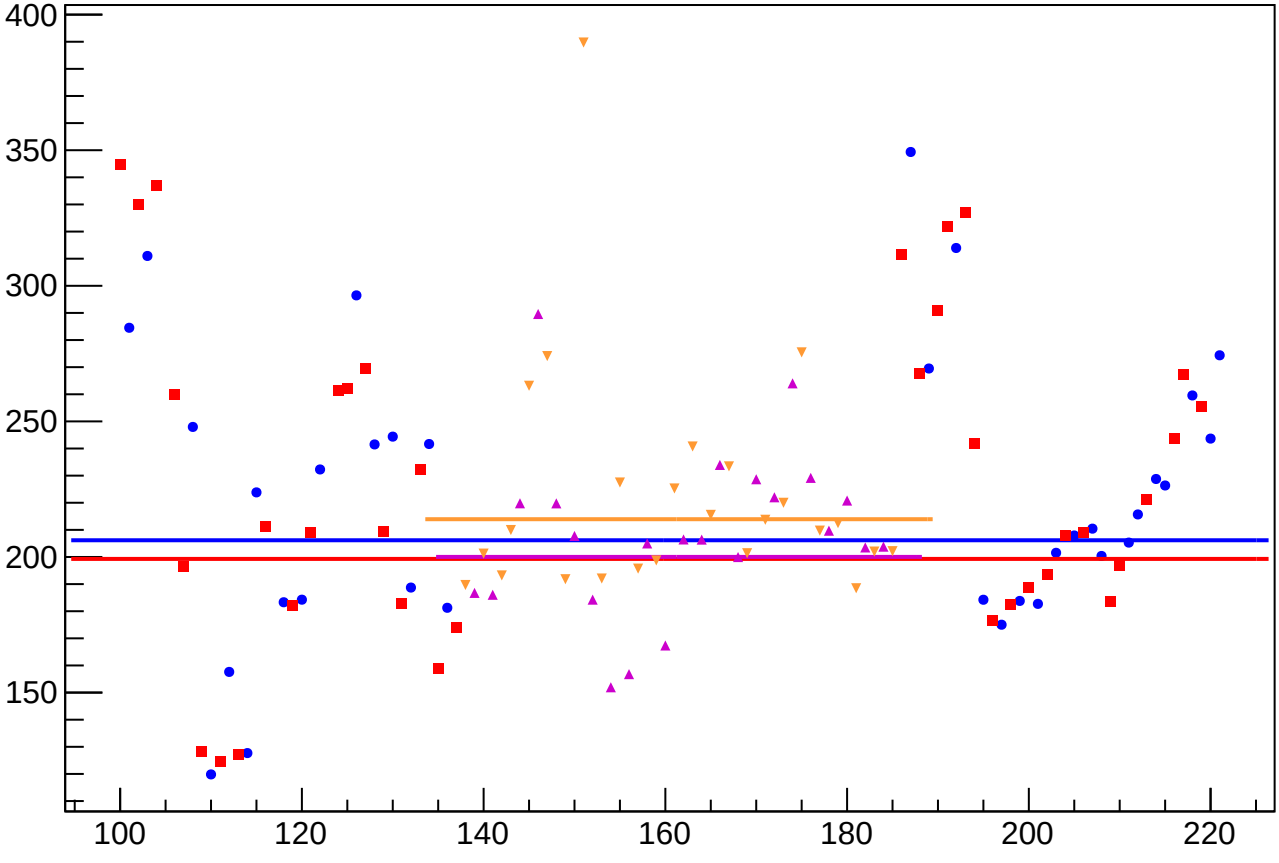
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 180.704+/-33.386 χ^2/NDF: 32830.9/58

All: 21.531+/-23.374 χ^2/NDF: 83077.9/118

- sign -131.506+/-32.736 χ^2/NDF: 50202.4/59

asym_bpm0i05WS_rms vs Slug



Right In: 206.167+/-0.032 χ^2/NDF: 1773205.5/33

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

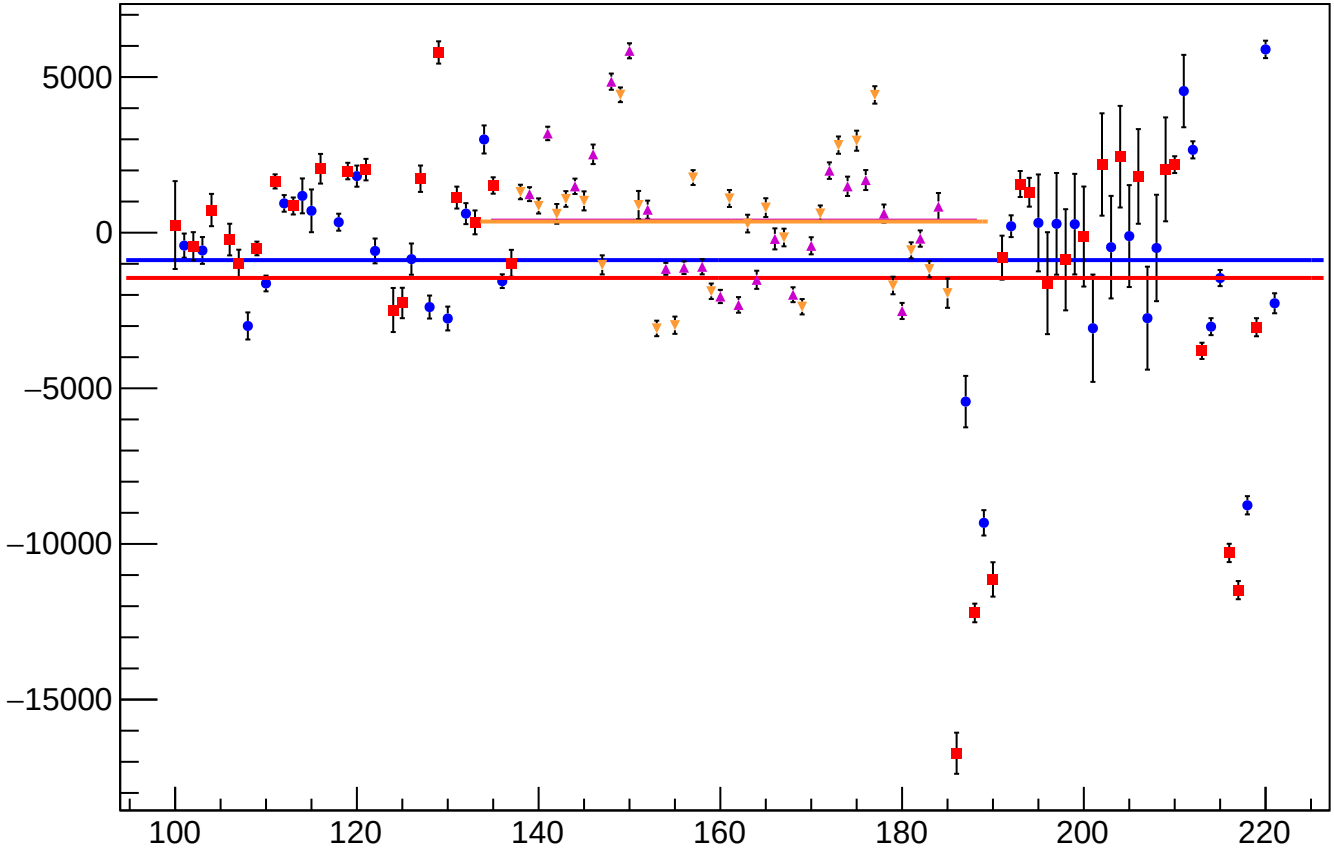
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.683+/-0.024 χ^2/NDF: 2533649.1/58

All: 204.560+/-0.017 χ^2/NDF: 5964349.6/118

- sign 199.634+/-0.023 χ^2/NDF: 3338303.6/59

asym_bpm0i07WS_mean vs Slug



Right In: -881.504+/-66.218 χ^2/NDF: 2380.3/33

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1454.435+/-63.496 χ^2/NDF: 5922.8/36

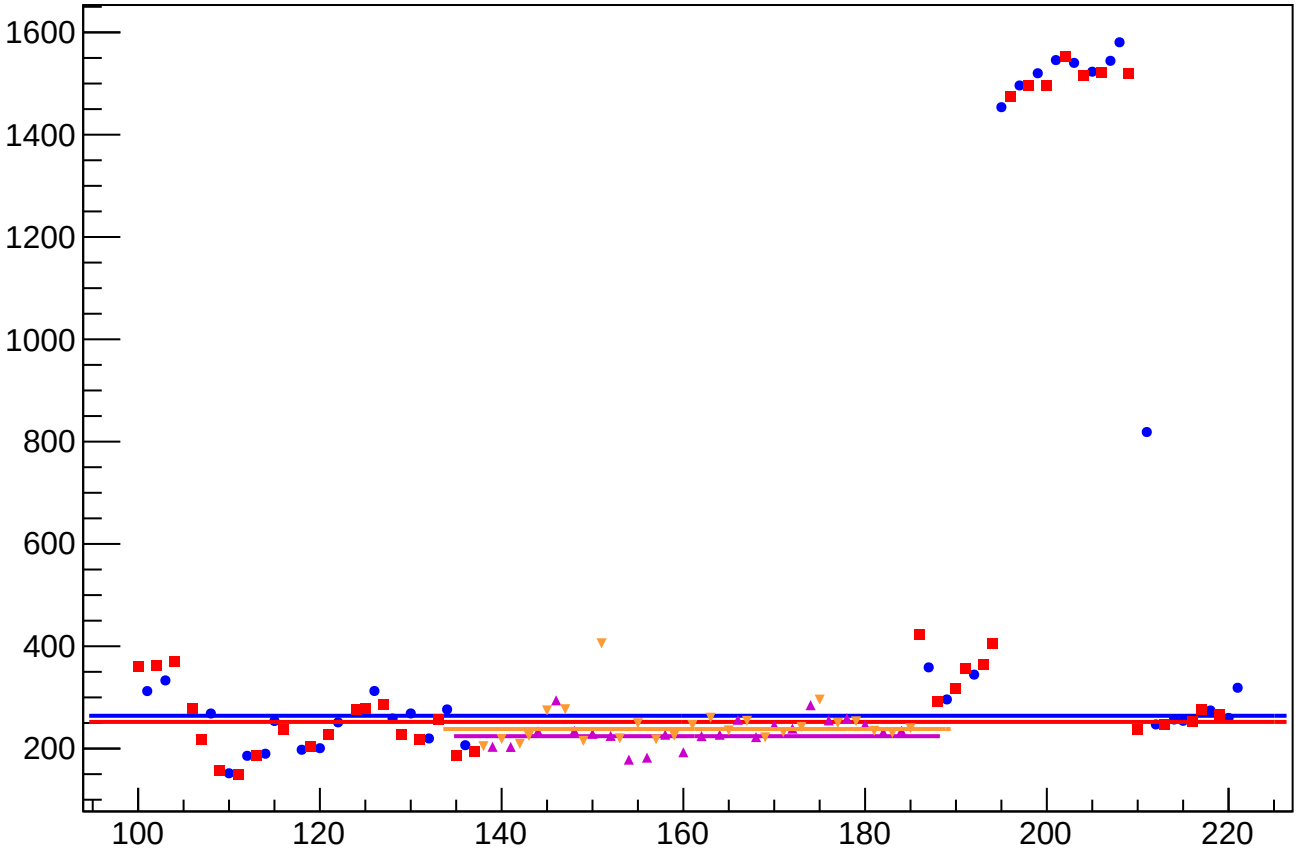
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -147.522+/-42.305 χ^2/NDF: 4006.8/58

All: -266.601+/-29.415 χ^2/NDF: 12240.7/118

- sign -378.039+/-40.926 χ^2/NDF: 8218.5/59

asym_bpm0i07WS_rms vs Slug



Right In: 264.118+/-0.047 χ^2/NDF: 11125639.6/33

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

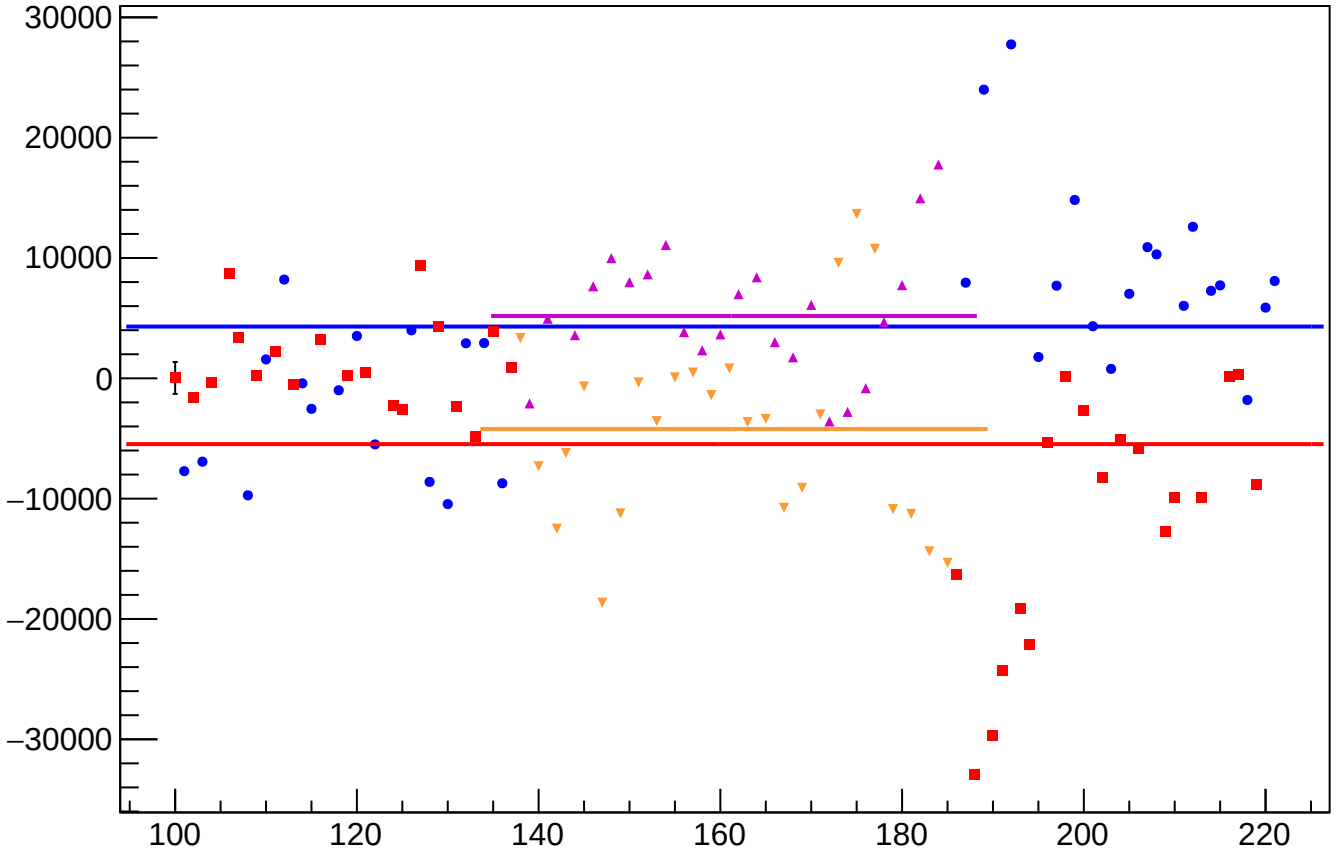
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 248.779+/-0.030 χ^2/NDF: 11874925.8/58

All: 242.074+/-0.021 χ^2/NDF: 23311988.7/11

- sign 235.800+/-0.029 χ^2/NDF: 11339826.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4302.381+/-31.514 χ^2/NDF: 83273.4/33

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5469.697+/-30.831 χ^2/NDF: 107507.6/36

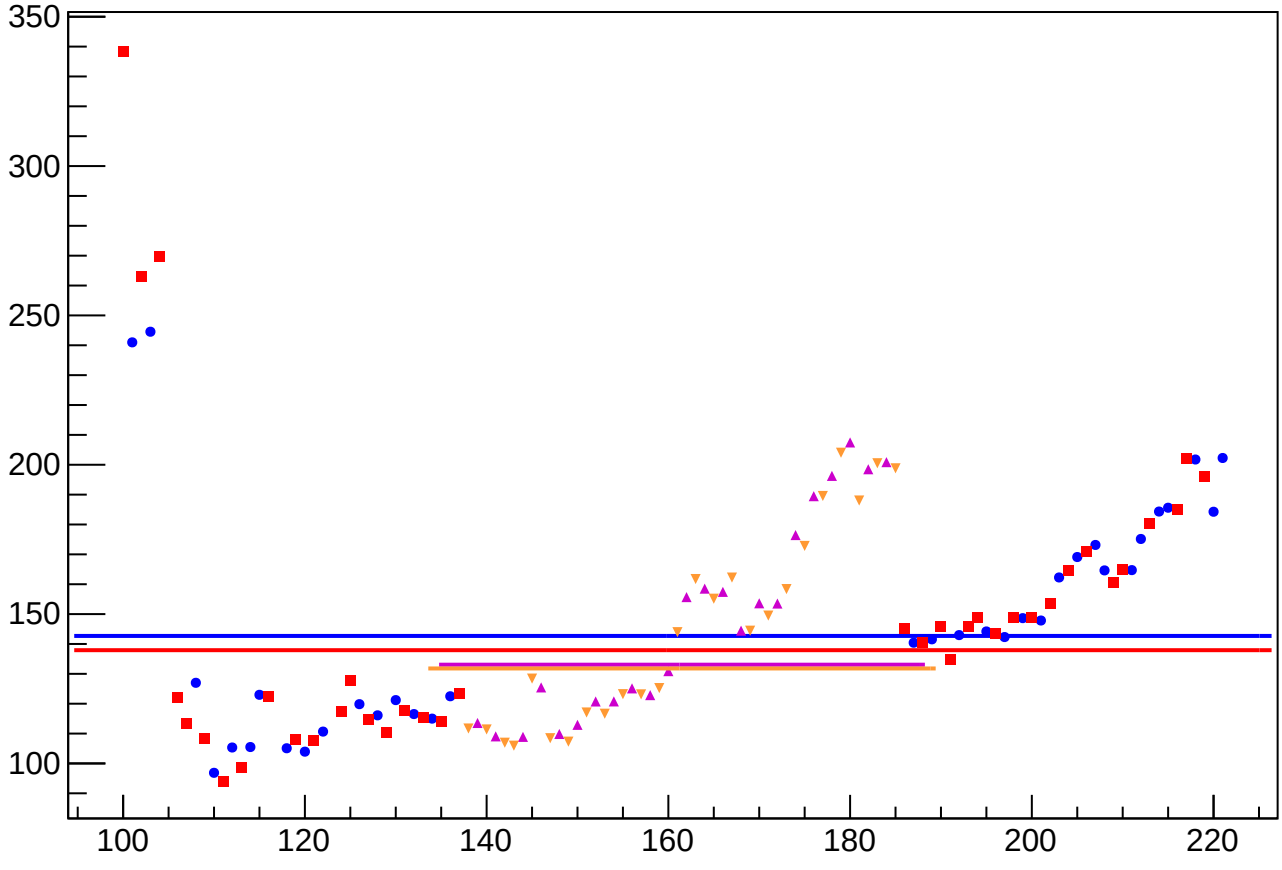
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -47.682+/-22.037 χ^2/NDF: 177365.2/58

All: -192.164+/-15.637 χ^2/NDF: 360977.5/11

- sign -338.687+/-22.192 χ^2/NDF: 183525.8/59

asym_bpm1i02WS_rms vs Slug



Right In: 142.691+/-0.022 χ^2/NDF: 2112273.8/33

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

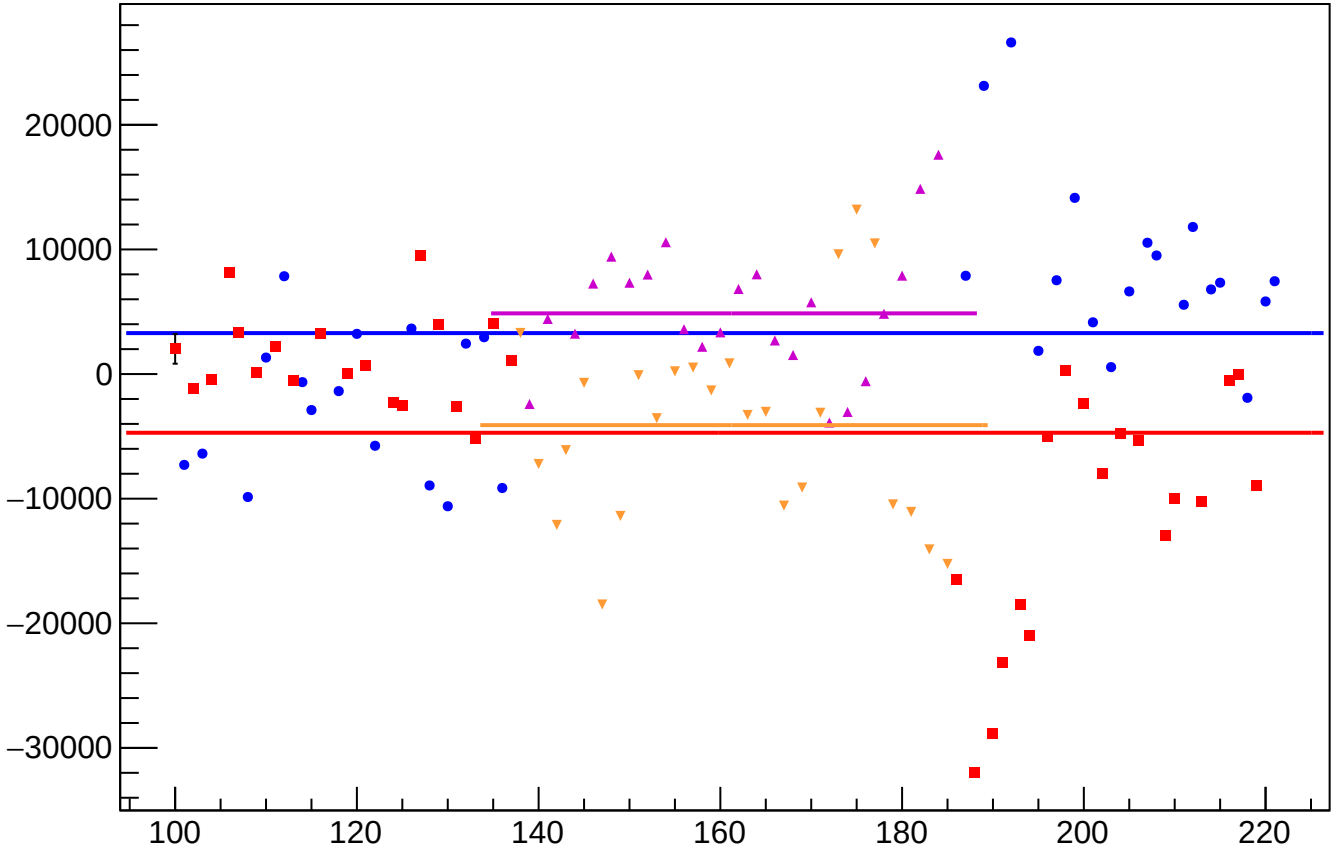
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 137.124+/-0.016 χ^2/NDF: 3778723.3/58

All: 136.357+/-0.011 χ^2/NDF: 7363110.4/118

- sign 135.578+/-0.016 χ^2/NDF: 3579498.8/59

asym_bpm2i01WS_mean vs Slug



Right In: 3286.336+/-29.103 χ^2/NDF: 91743.4/33

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4710.953+/-28.530 χ^2/NDF: 114400.1/36

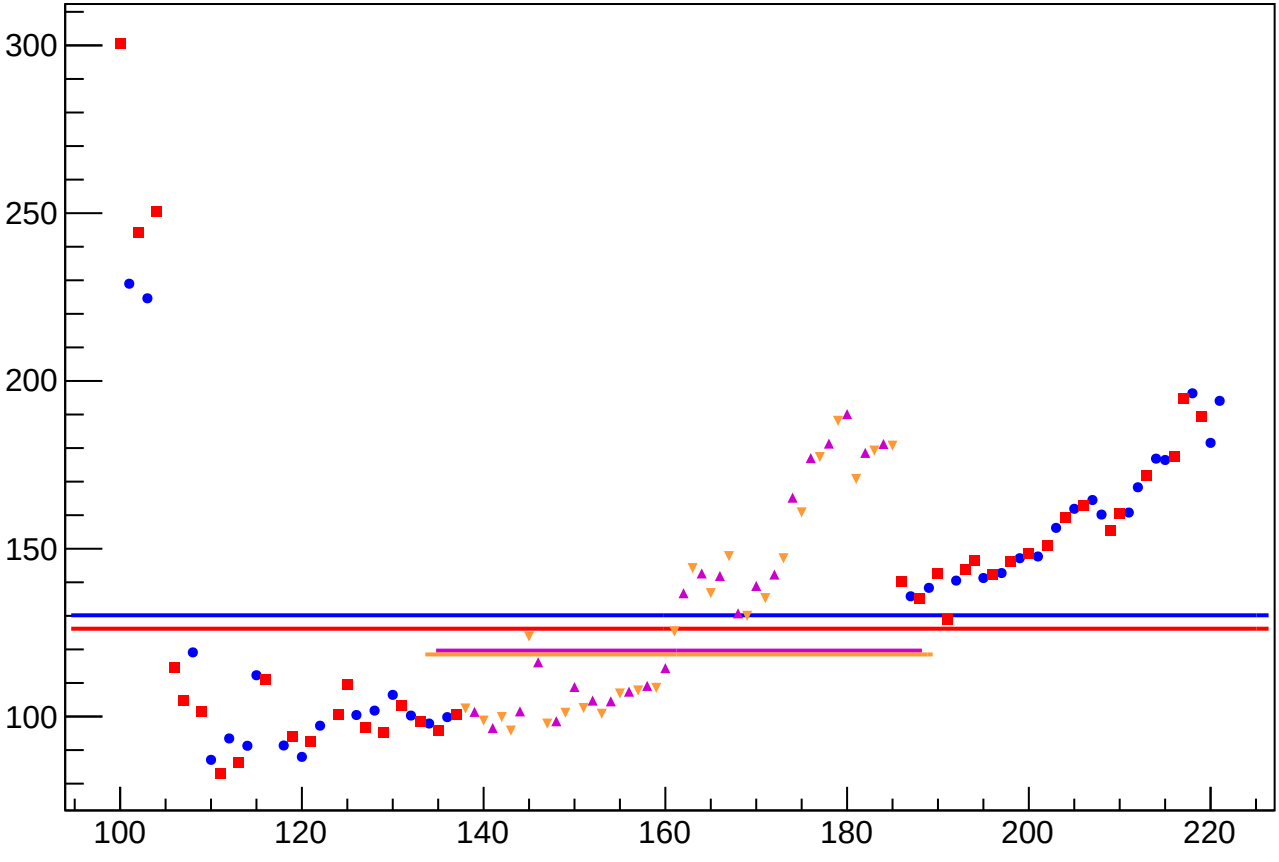
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -579.045+/-20.092 χ^2/NDF: 191719.6/58

All: -275.877+/-14.270 χ^2/NDF: 384329.8/11

\- sign 32.747+/-20.271 χ^2/NDF: 192150.7/59

asym_bpm2i01WS_rms vs Slug



Right In: 130.169+/-0.021 χ^2/NDF: 3022699.0/33

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 126.171+/-0.020 χ^2/NDF: 2940508.4/36

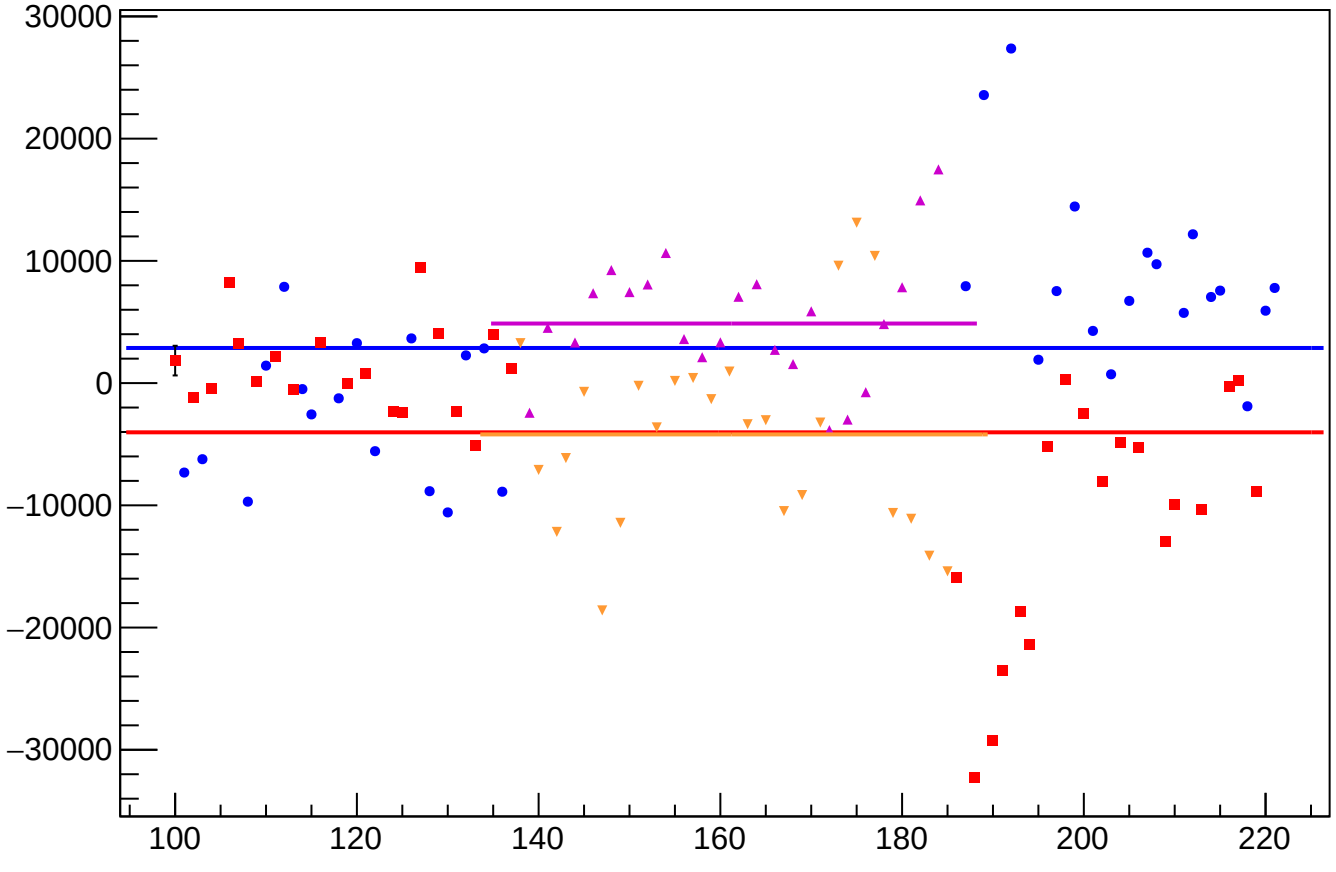
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 124.063+/-0.014 χ^2/NDF: 4818090.0/58

All: 123.506+/-0.010 χ^2/NDF: 9325888.7/118

- sign 122.940+/-0.014 χ^2/NDF: 4504702.4/59

asym_bpm2i02WS_mean vs Slug



Right In: 2873.804+/-29.161 χ^2/NDF: 91000.1/33

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -4027.401+/-28.468 χ^2/NDF: 107978.9/36

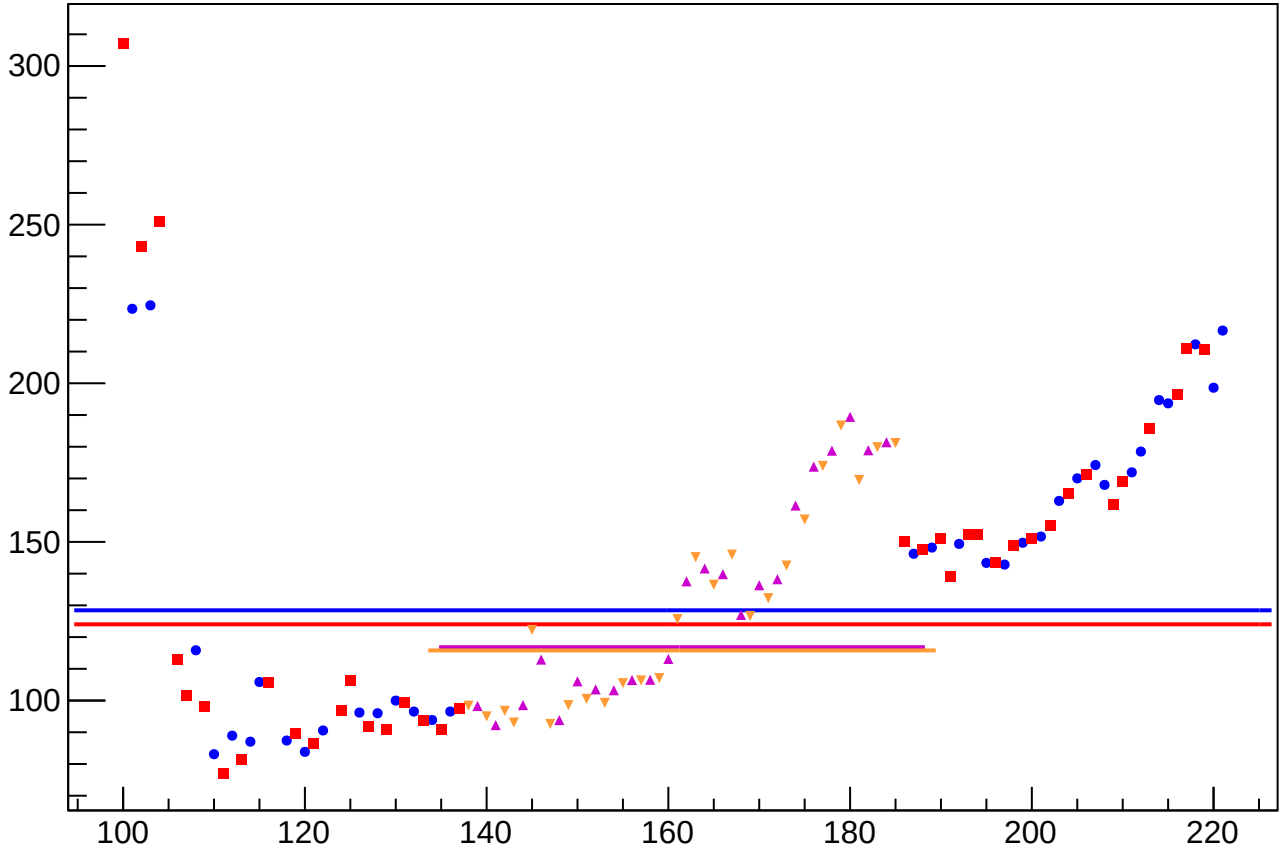
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -906.215+/-19.895 χ^2/NDF: 192847.3/58

All: -225.452+/-14.117 χ^2/NDF: 375445.0/11

- sign 464.914+/-20.035 χ^2/NDF: 180239.4/59

asym_bpm2i02WS_rms vs Slug



Right In: 128.441+/-0.021 χ^2/NDF: 4129949.4/33

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 124.028+/-0.020 χ^2/NDF: 3999399.8/36

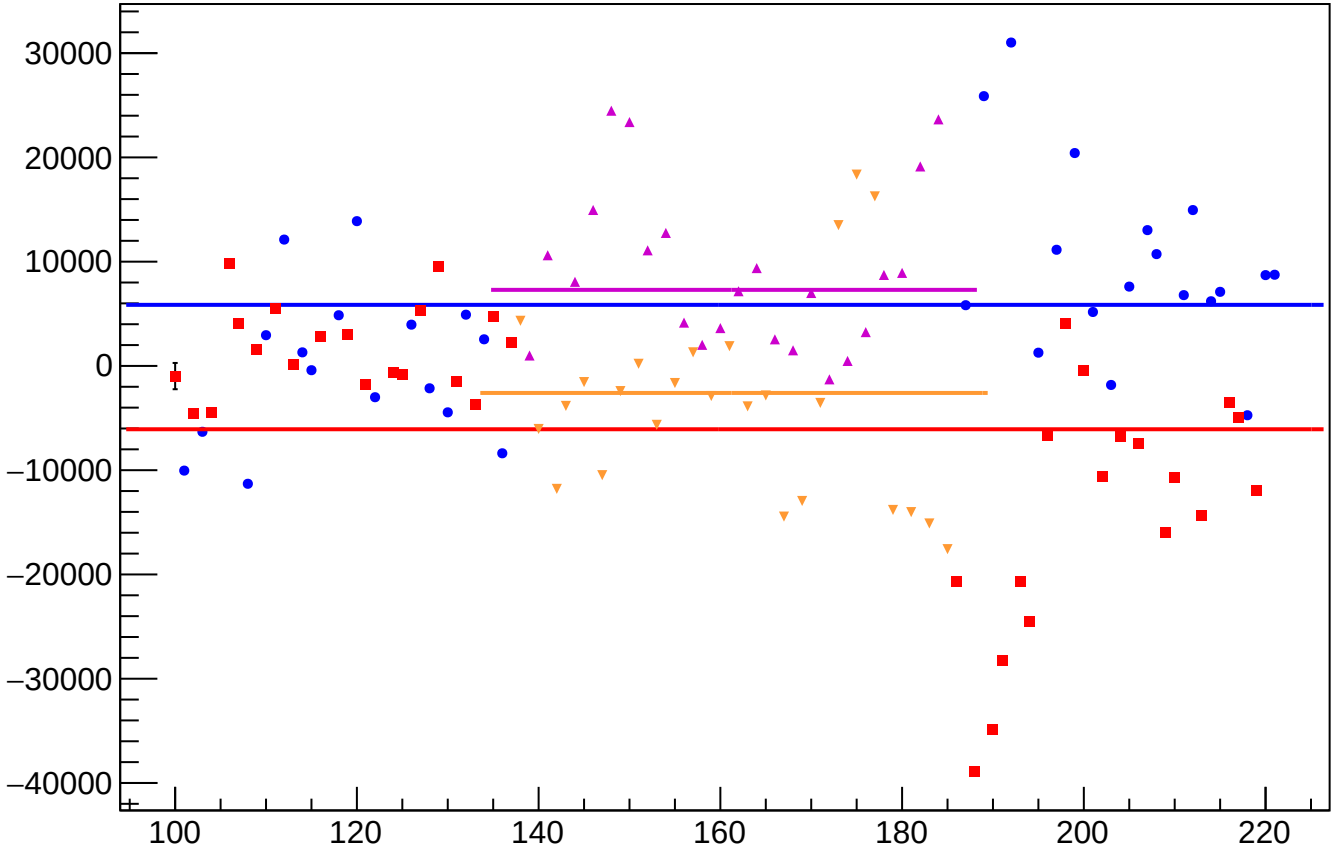
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 121.683+/-0.014 χ^2/NDF: 6079945.5/58

All: 121.038+/-0.010 χ^2/NDF: 11766141.0/11

- sign 120.384+/-0.014 χ^2/NDF: 5681964.7/59

asym_bpm0i01WS_mean vs Slug



Right In: 5858.150+/-37.776 χ^2/NDF: 67902.2/33

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -6074.216+/-37.271 χ^2/NDF: 102112.8/36

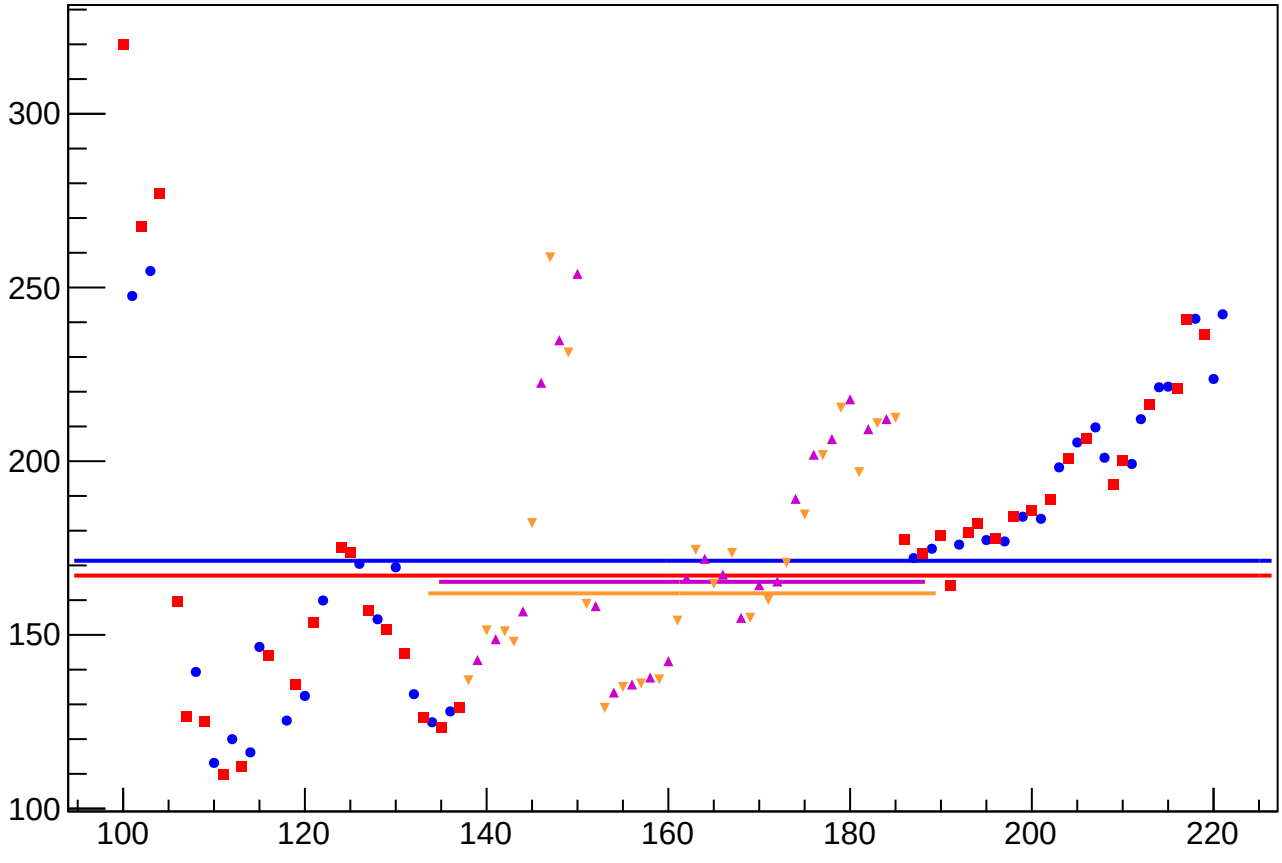
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1618.561+/-26.664 χ^2/NDF: 141000.4/58

All: 926.693+/-19.018 χ^2/NDF: 329716.8/118

- sign 210.315+/-27.133 χ^2/NDF: 187346.0/59

asym_bpm0i01WS_rms vs Slug



Right In: 171.341+/-0.027 χ^2/NDF: 2188310.2/33

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 167.075+/-0.026 χ^2/NDF: 2122129.3/36

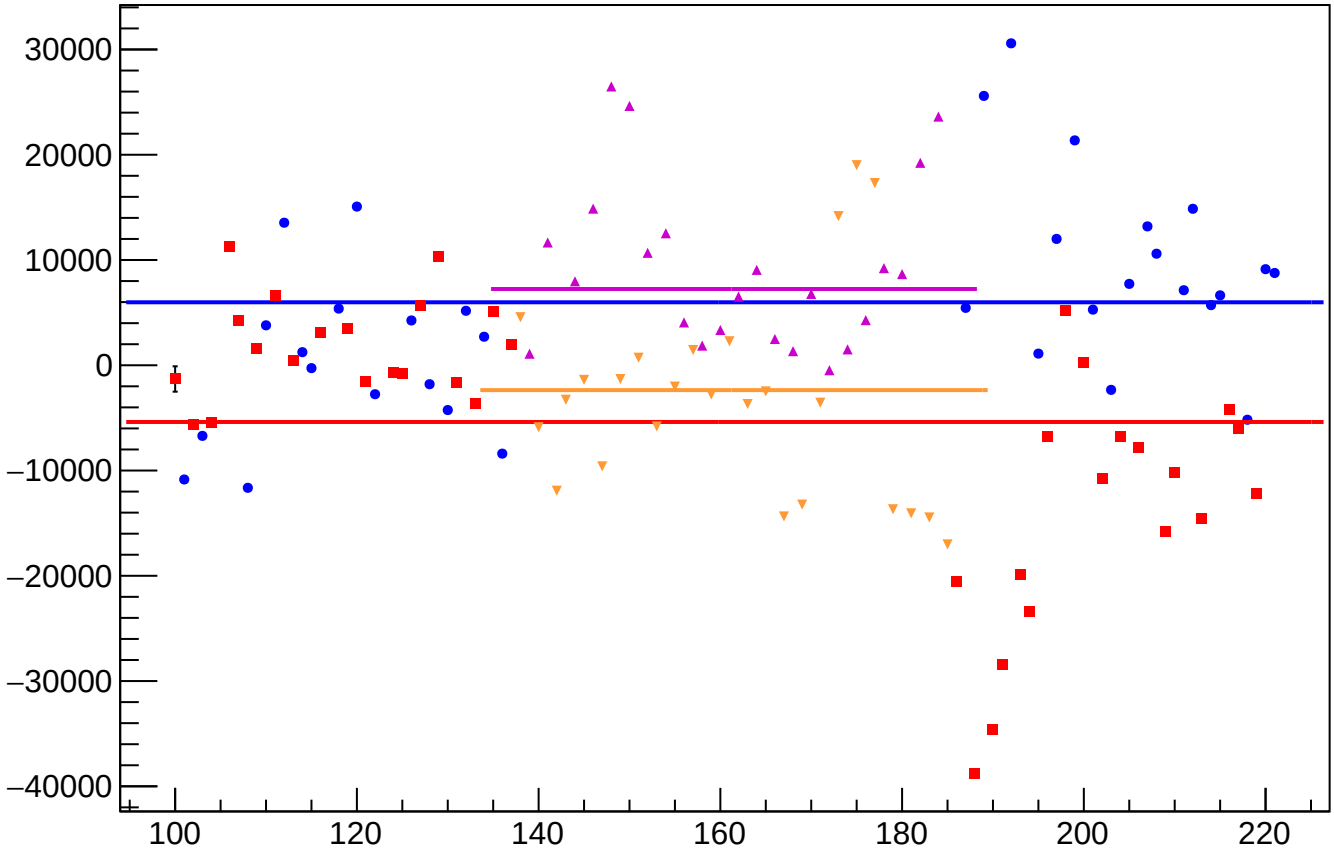
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 166.633+/-0.019 χ^2/NDF: 3395045.9/58

All: 166.434+/-0.013 χ^2/NDF: 6698690.3/118

- sign 166.228+/-0.019 χ^2/NDF: 3303417.8/59

asym_bpm0i01aWS_mean vs Slug



Right In: 5983.084+/-32.320 χ^2/NDF: 94383.6/33

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5386.988+/-31.655 χ^2/NDF: 142463.5/36

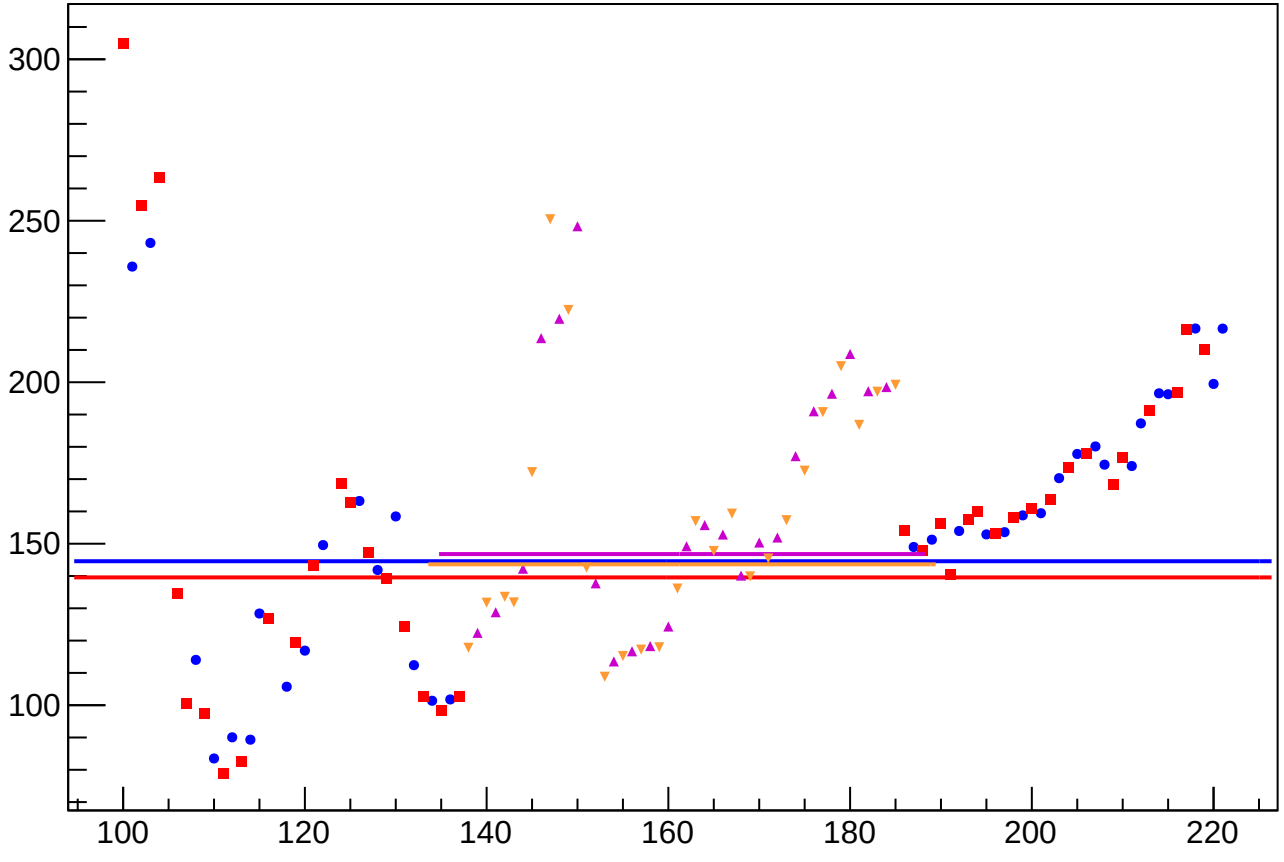
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1983.031+/-23.320 χ^2/NDF: 184901.1/58

All: 1106.600+/-16.598 χ^2/NDF: 431189.5/11

- sign 206.802+/-23.629 χ^2/NDF: 243425.8/59

asym_bpm0i01aWS_rms vs Slug



Right In: 144.580+/-0.023 χ^2/NDF: 3135032.0/33

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 139.569+/-0.022 χ^2/NDF: 3218417.0/36

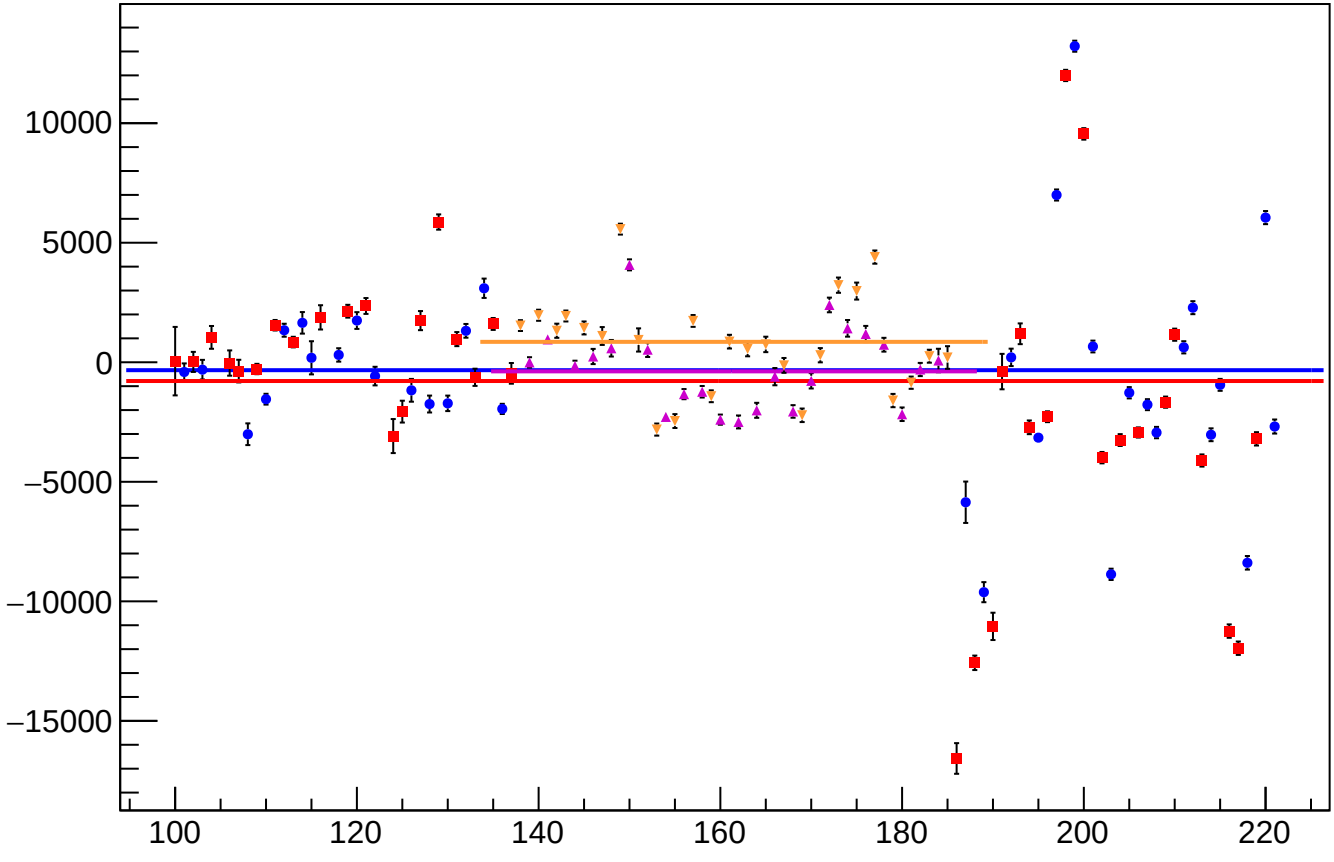
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 144.121+/-0.016 χ^2/NDF: 4798699.2/58

All: 143.453+/-0.012 χ^2/NDF: 9761096.7/118

- sign 142.768+/-0.017 χ^2/NDF: 4959076.2/59

asym_bpm0l01WS_mean vs Slug



Right In: -331.256+/-49.538 χ^2/NDF: 8627.7/33

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -784.528+/-49.658 χ^2/NDF: 12071.3/36

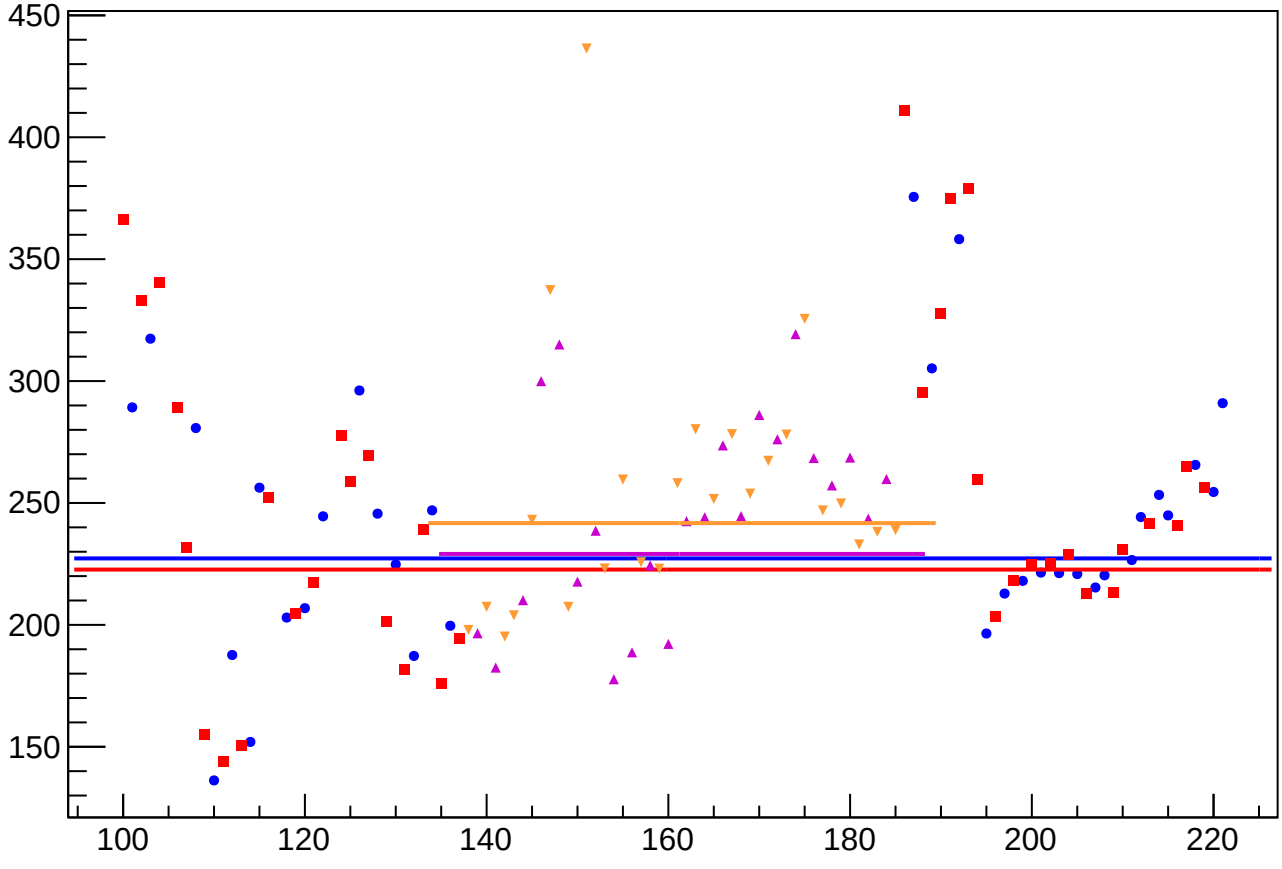
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 186.570+/-37.172 χ^2/NDF: 10321.6/58

All: -211.504+/-26.187 χ^2/NDF: 23632.6/118

- sign -603.736+/-36.899 χ^2/NDF: 13083.3/59

asym_bpm0l01WS_rms vs Slug



Right In: 227.260+/-0.035 χ^2/NDF: 1396652.8/33

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 222.684+/-0.035 χ^2/NDF: 2022289.9/36

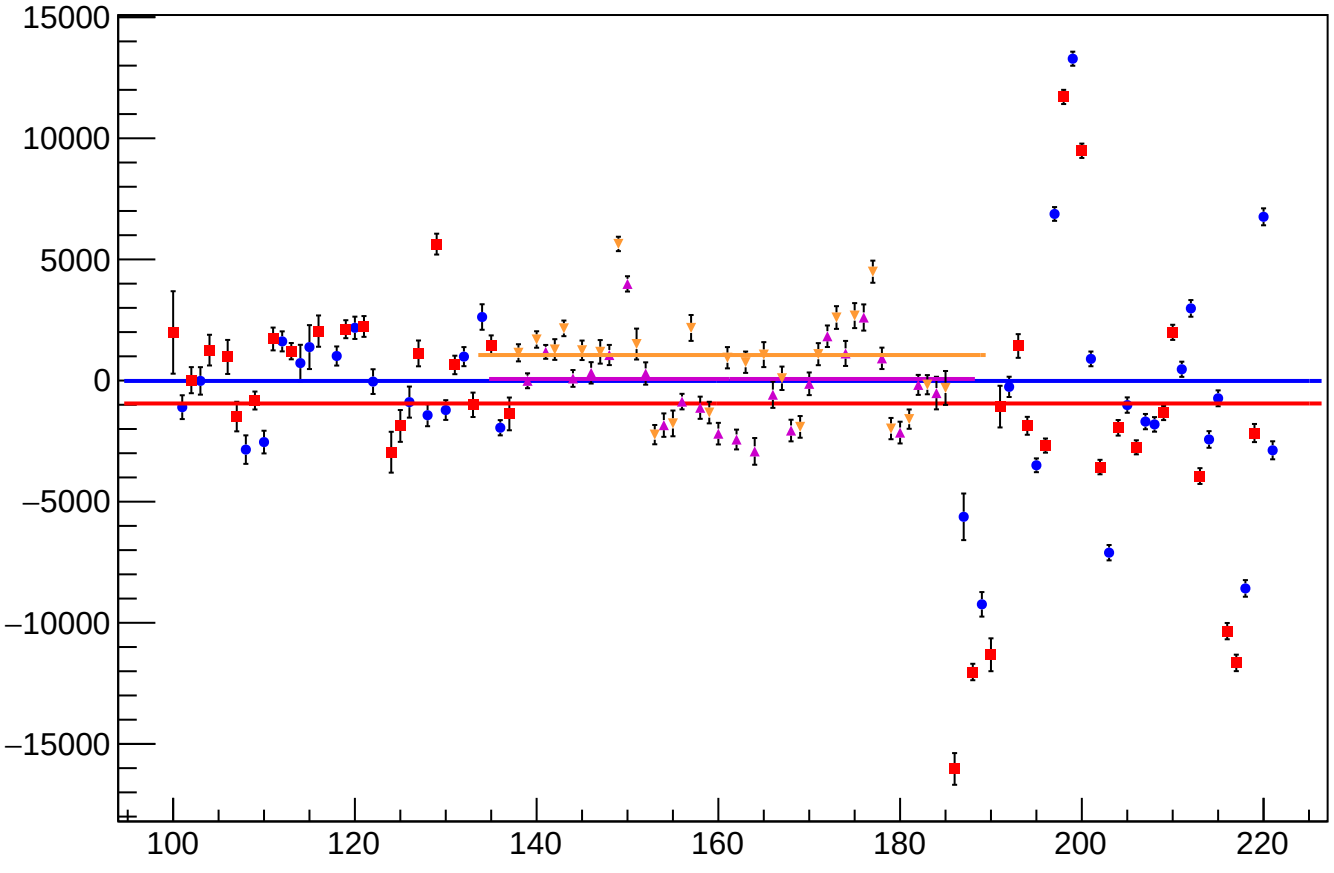
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 233.589+/-0.026 χ^2/NDF: 2457765.0/58

All: 229.545+/-0.019 χ^2/NDF: 5610993.9/118

- sign 225.559+/-0.026 χ^2/NDF: 3106218.2/59

asym_bpm0l02WS_mean vs Slug



Right In: -16.387+/-65.758 χ^2/NDF: 5166.9/33

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -946.621+/-66.286 χ^2/NDF: 7635.2/36

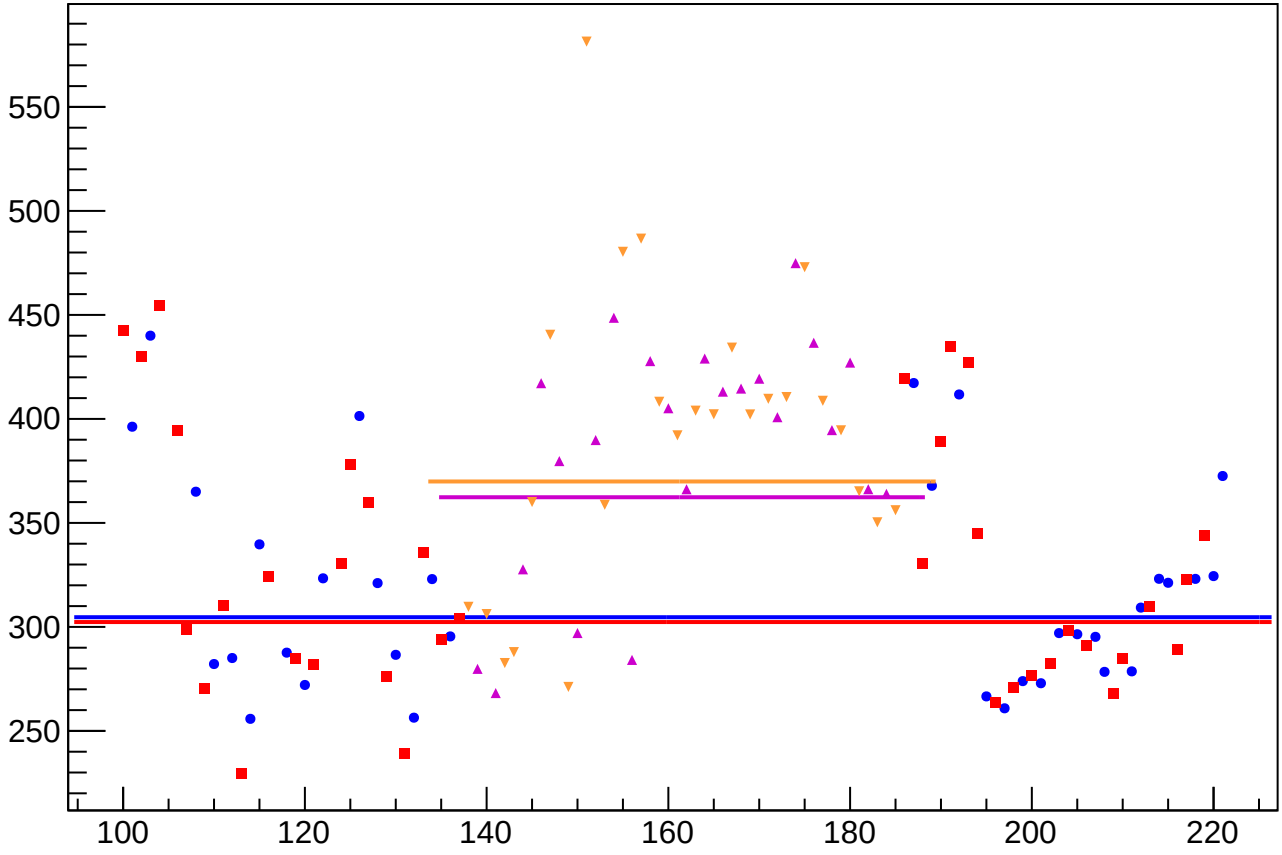
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 378.901+/-52.214 χ^2/NDF: 5879.4/58

All: -93.267+/-37.074 χ^2/NDF: 14159.8/118

- sign -573.349+/-52.650 χ^2/NDF: 8115.6/59

asym_bpm0l02WS_rms vs Slug



Right In: 304.665+/-0.046 χ^2/NDF: 767633.9/33

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 302.340+/-0.047 χ^2/NDF: 990558.4/36

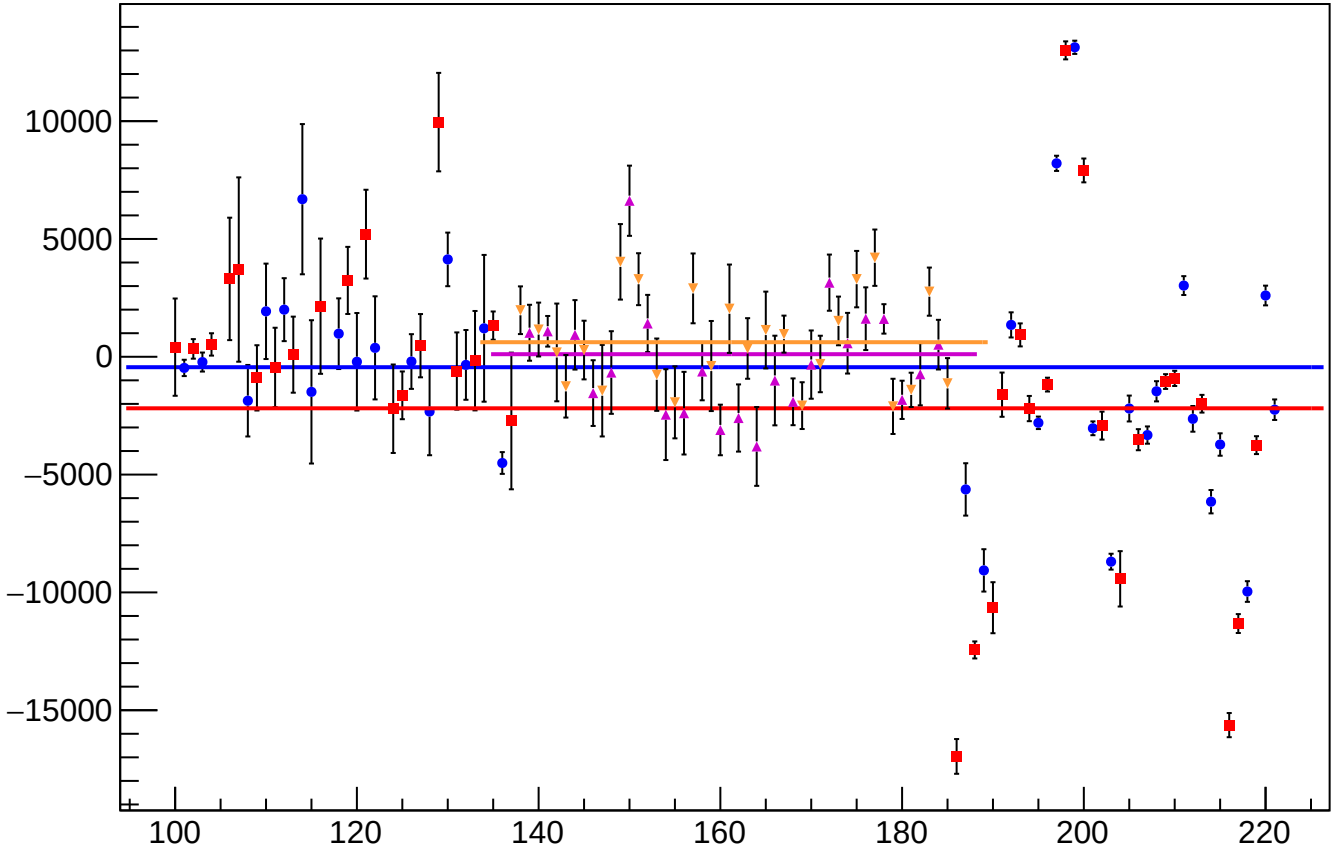
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 328.779+/-0.037 χ^2/NDF: 2725777.4/58

All: 326.651+/-0.026 χ^2/NDF: 5381315.4/118

- sign 324.487+/-0.037 χ^2/NDF: 2648836.5/59

asym_bpm0l03WS_mean vs Slug



Right In: -442.640+/-85.495 χ^2/NDF: 4929.6/33

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2186.943+/-94.357 χ^2/NDF: 4786.9/36

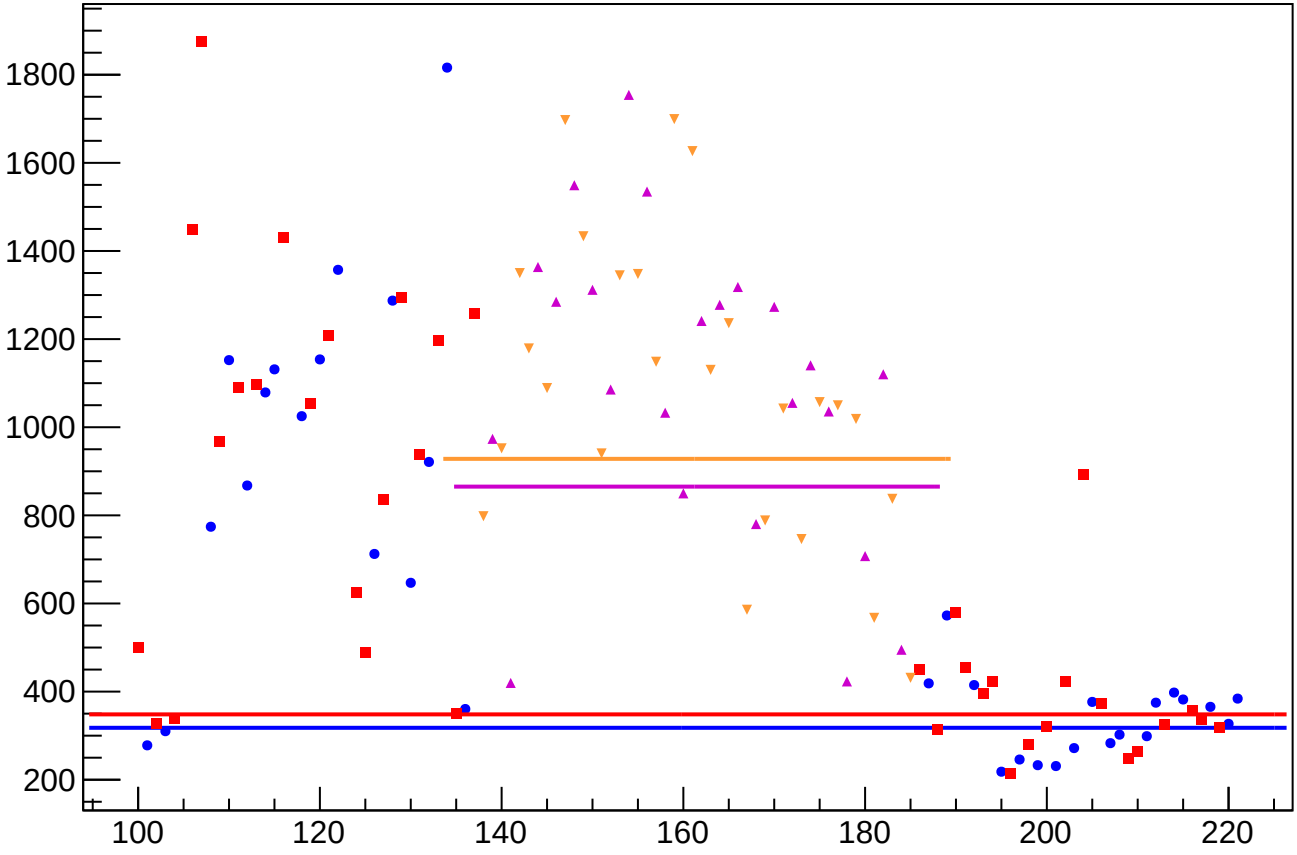
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -321.491+/-80.467 χ^2/NDF: 5012.9/58

All: -1031.324+/-59.293 χ^2/NDF: 10122.3/11

- sign -1874.625+/-87.706 χ^2/NDF: 4939.1/59

asym_bpm0l03WS_rms vs Slug



Right In: 317.858+/-0.060 χ^2/NDF: 5372508.8/33

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 348.313+/-0.067 χ^2/NDF: 6177072.5/36

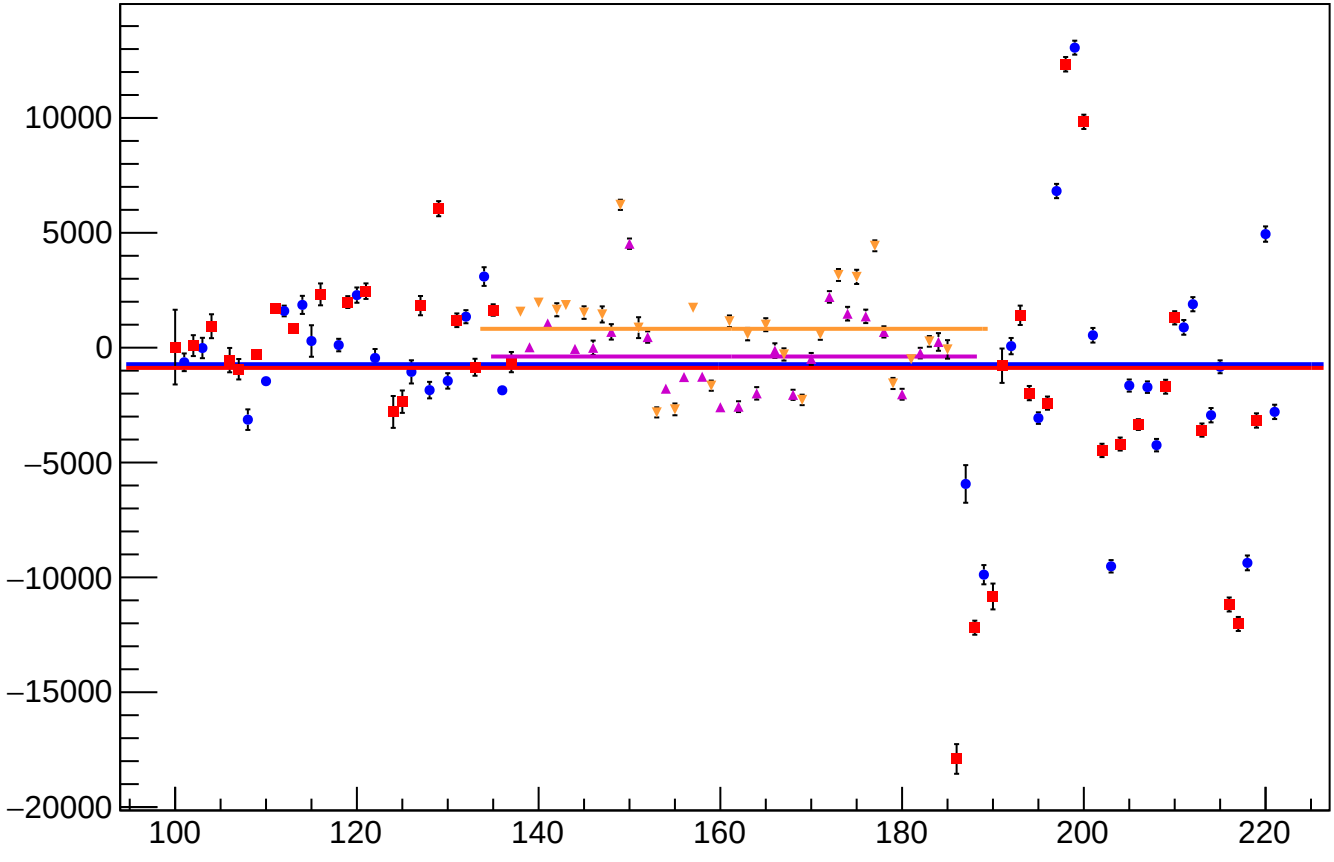
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 387.542+/-0.057 χ^2/NDF: 20305391.6/58

All: 401.743+/-0.042 χ^2/NDF: 39574423.9/11

- sign 418.613+/-0.062 χ^2/NDF: 19132749.7/59

asym_bpm0l04WS_mean vs Slug



Right In: -719.613+/-53.599 χ^2/NDF: 6174.1/33

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -880.683+/-52.477 χ^2/NDF: 9659.9/36

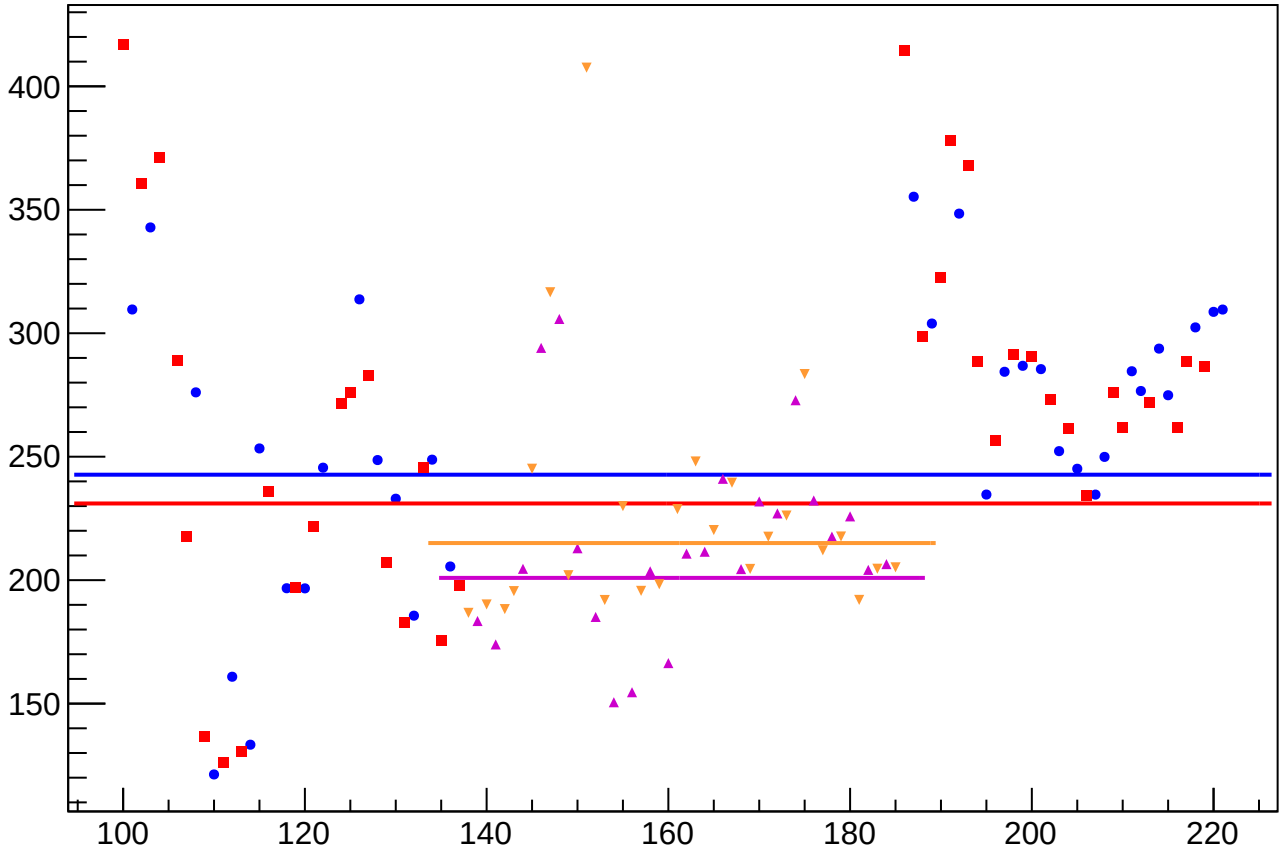
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 104.114+/-36.560 χ^2/NDF: 8606.5/58

All: -264.044+/-25.506 χ^2/NDF: 19765.4/118

- sign -613.119+/-35.600 χ^2/NDF: 10961.3/59

asym_bpm0l04WS_rms vs Slug



Right In: 242.710+/-0.038 χ^2/NDF: 2324091.6/33

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

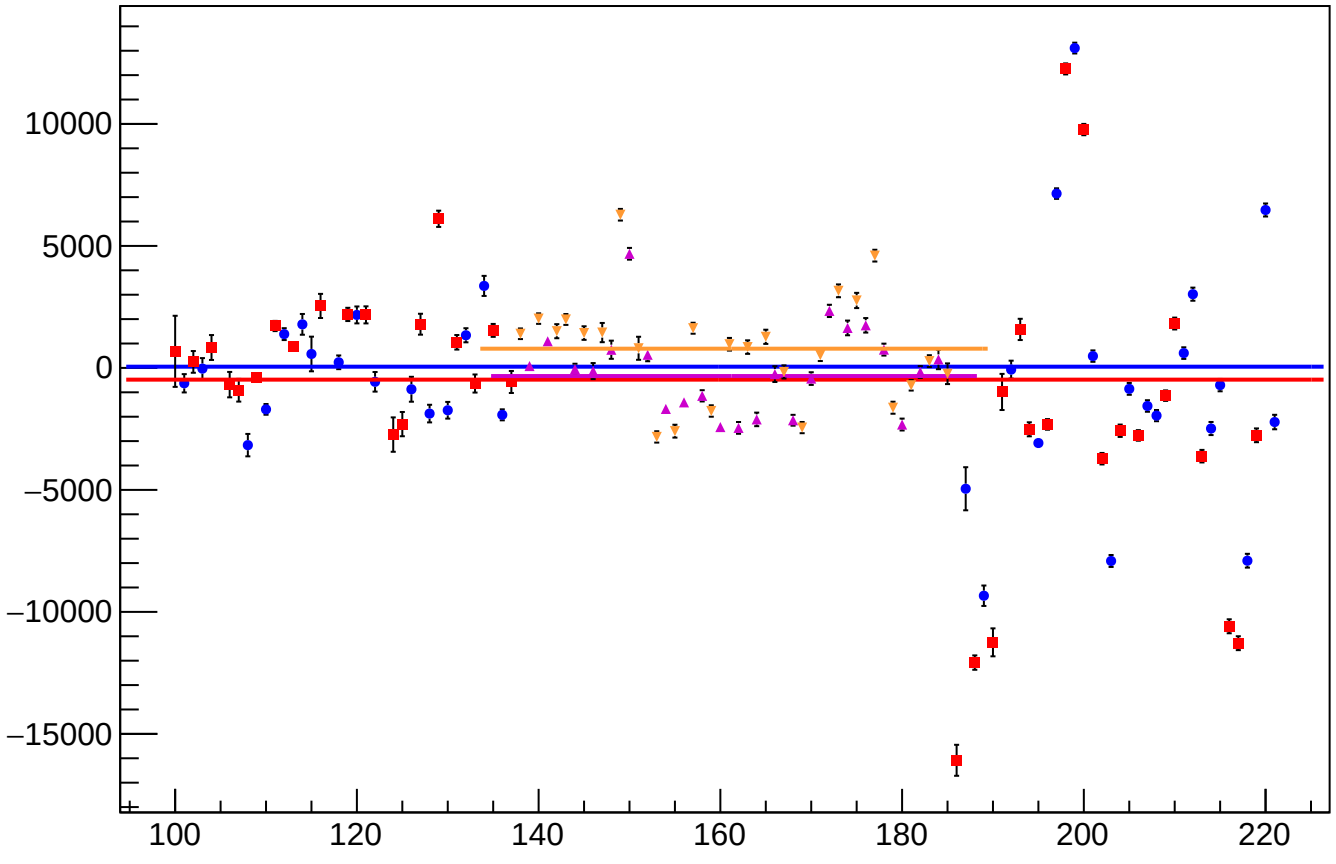
Right Out: 231.056+/-0.037 χ^2/NDF: 3395371.8/36

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 227.907+/-0.026 χ^2/NDF: 3507184.3/58

All: 221.173+/-0.018 χ^2/NDF: 8496703.9/118

- sign 214.787+/-0.025 χ^2/NDF: 4857315.8/59



Right In: 50.302+/-49.143 χ^2/NDF: 8588.4/33

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -480.881+/-49.133 χ^2/NDF: 12017.1/36

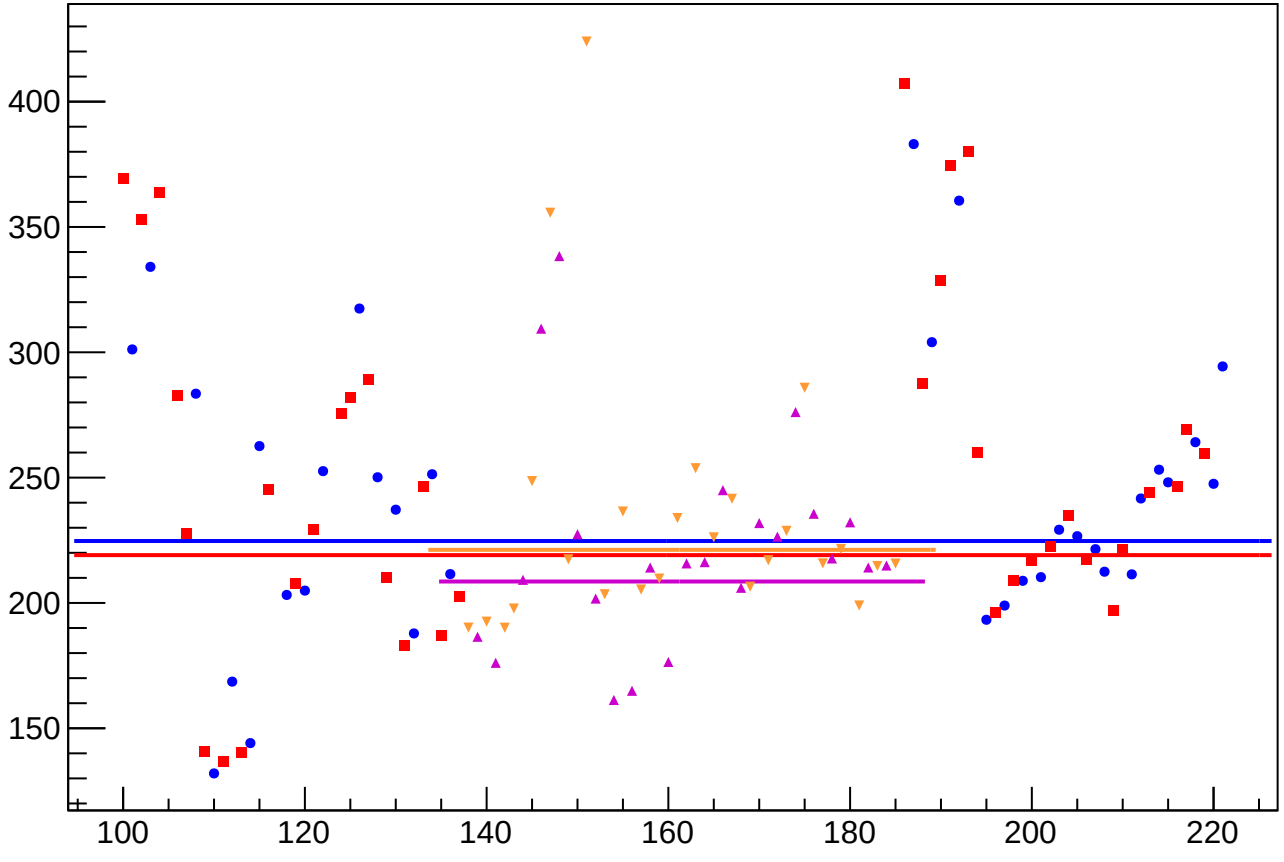
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 402.474+/-35.528 χ^2/NDF: 10586.2/58

All: -7.882+/-24.974 χ^2/NDF: 24086.7/118

- sign -408.669+/-35.112 χ^2/NDF: 13236.8/59

asym_bpm0l05WS_rms vs Slug



Right In: 224.707+/-0.035 χ^2/NDF: 1664827.0/33

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 219.080+/-0.035 χ^2/NDF: 2438997.4/36

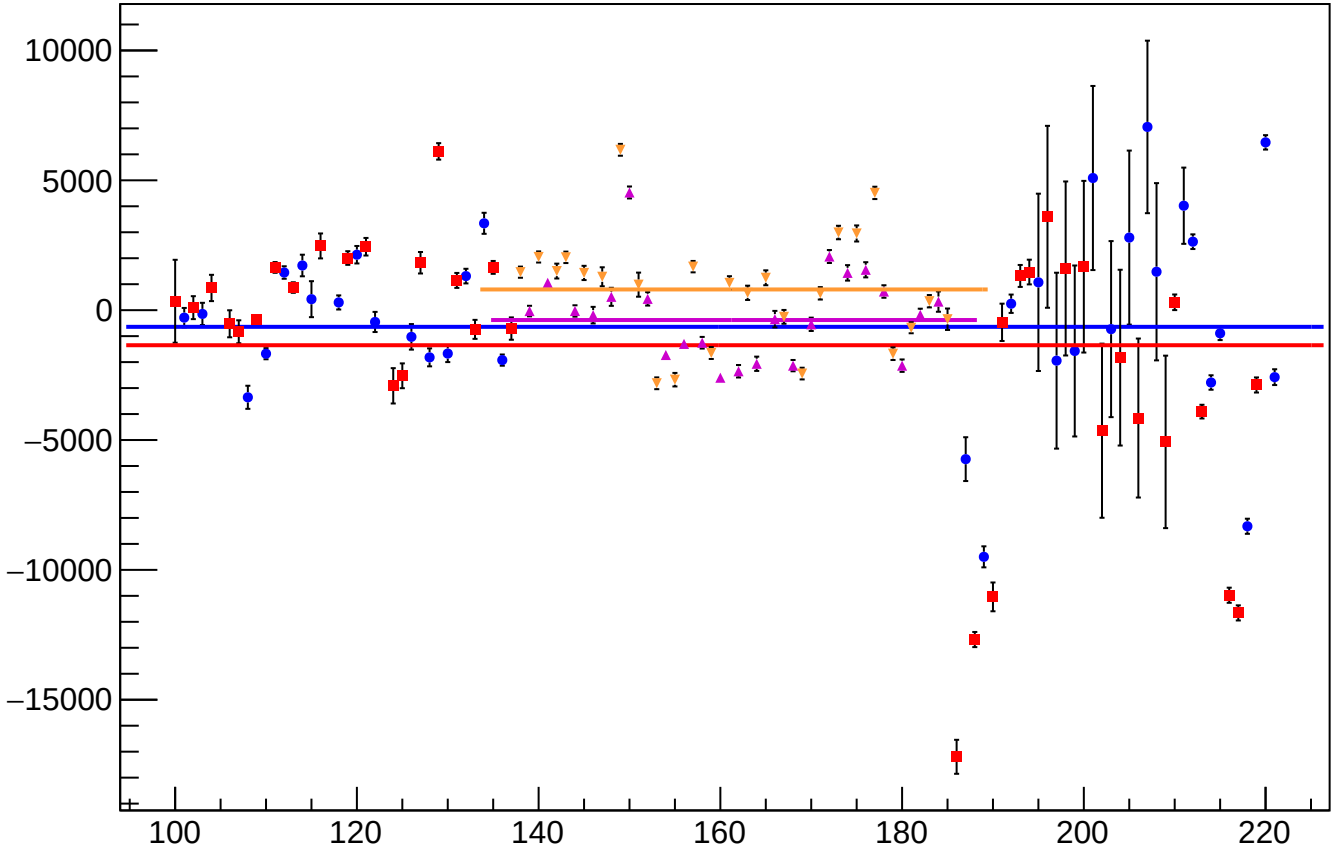
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 223.026+/-0.025 χ^2/NDF: 2609250.7/58

All: 218.425+/-0.018 χ^2/NDF: 6195098.9/118

- sign 213.930+/-0.025 χ^2/NDF: 3519532.7/59

asym_bpm0l06WS_mean vs Slug



Right In: -641.824+/-63.534 χ^2/NDF: 2582.9/33

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -1349.854+/-60.133 χ^2/NDF: 6575.0/36

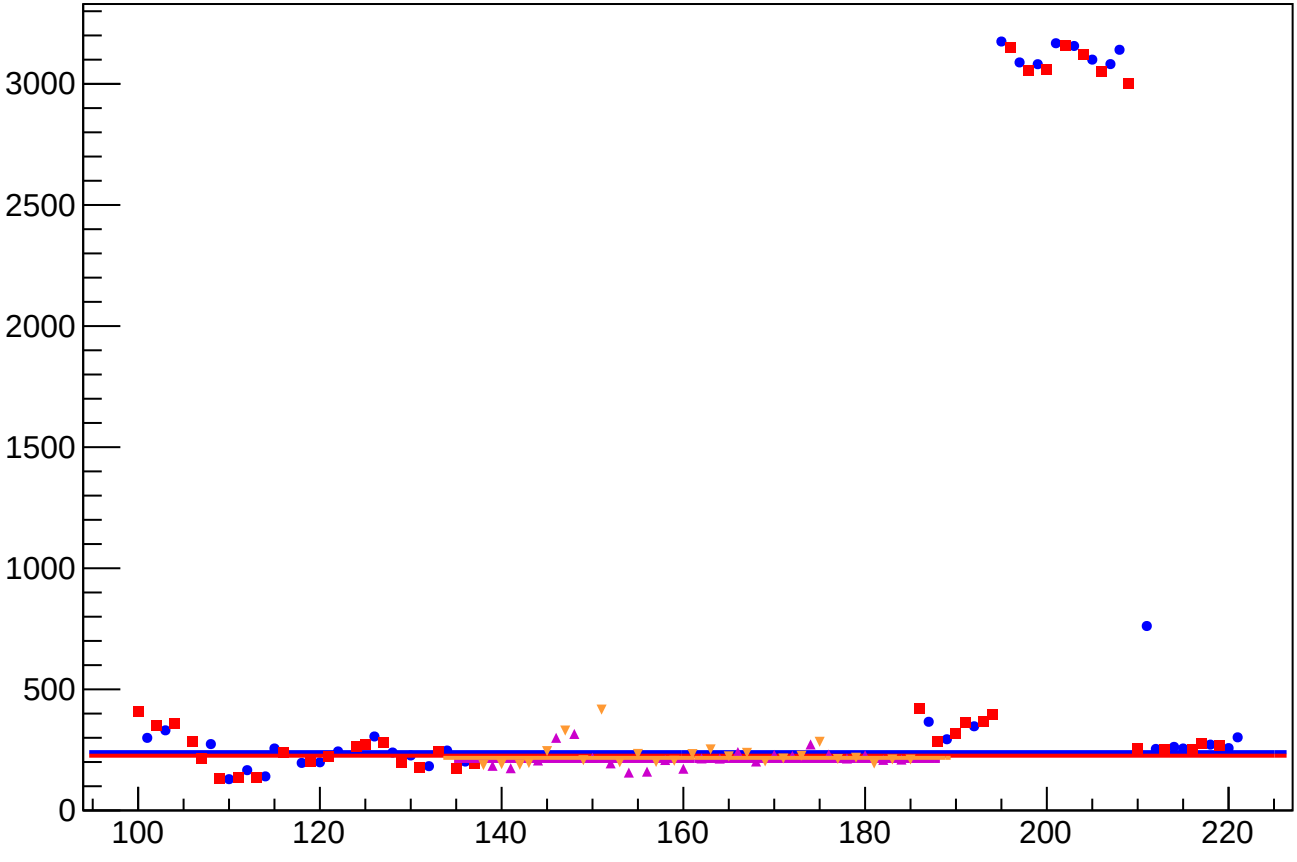
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 240.287+/-39.531 χ^2/NDF: 4858.2/58

All: -283.071+/-27.422 χ^2/NDF: 13128.3/118

- sign -768.491+/-38.071 χ^2/NDF: 7932.2/59

asym_bpm0l06WS_rms vs Slug



Right In: 240.830+/-0.045 χ^2/NDF: 13504452.0/33

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 226.056+/-0.043 χ^2/NDF: 13280464.8/36

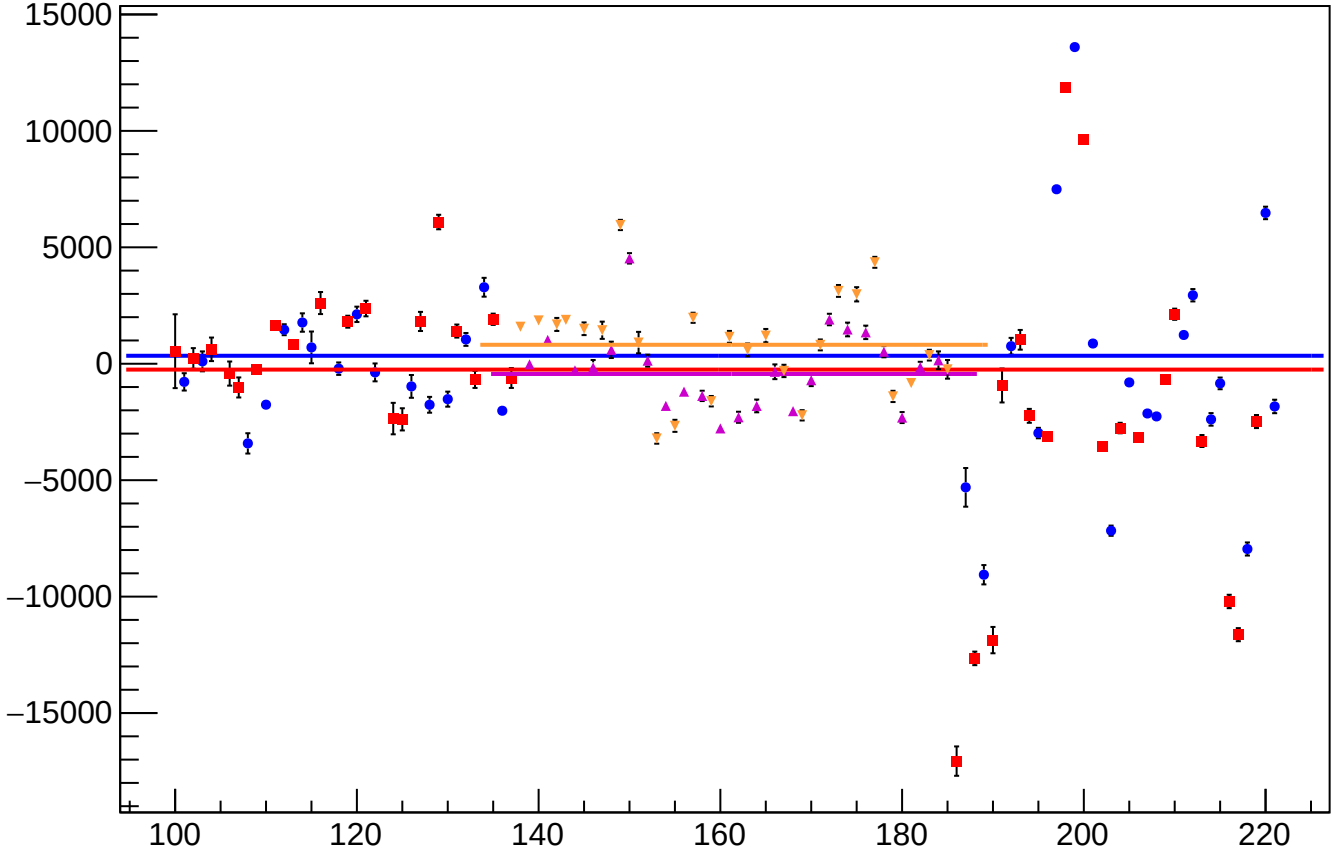
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 226.363+/-0.028 χ^2/NDF: 14584095.4/58

All: 219.443+/-0.019 χ^2/NDF: 29154464.5/11

- sign 213.025+/-0.027 χ^2/NDF: 14452253.3/59

asym_bpm0l07WS_mean vs Slug



Right In: 342.803+/-46.175 χ^2/NDF: 10808.6/33

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -251.206+/-46.087 χ^2/NDF: 14037.6/36

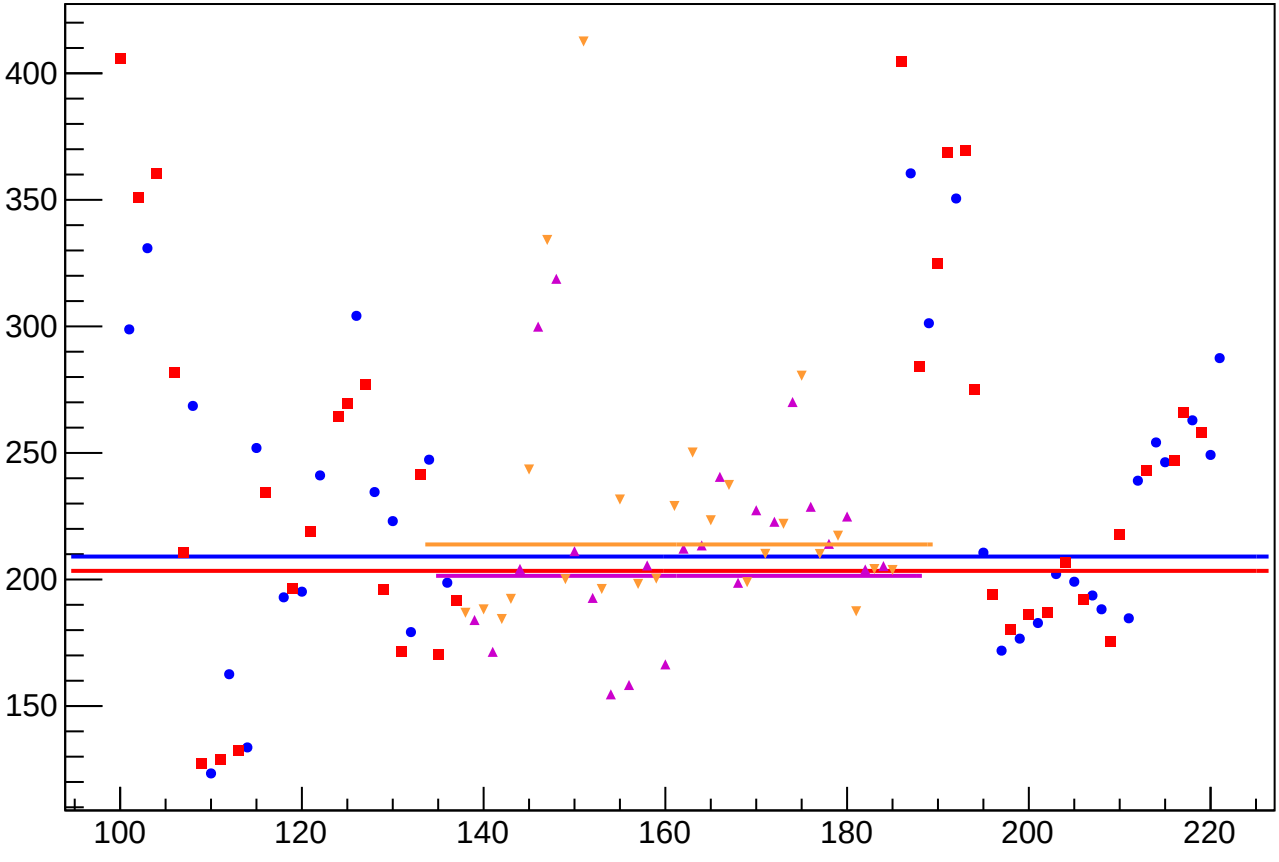
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 560.947+/-33.847 χ^2/NDF: 12857.3/58

All: 104.471+/-23.781 χ^2/NDF: 28496.9/118

- sign -340.566+/-33.420 χ^2/NDF: 15280.5/59

asym_bpm0l07WS_rms vs Slug



Right In: 209.067+/-0.033 χ^2/NDF: 2085365.0/33

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 203.407+/-0.033 χ^2/NDF: 2978852.4/36

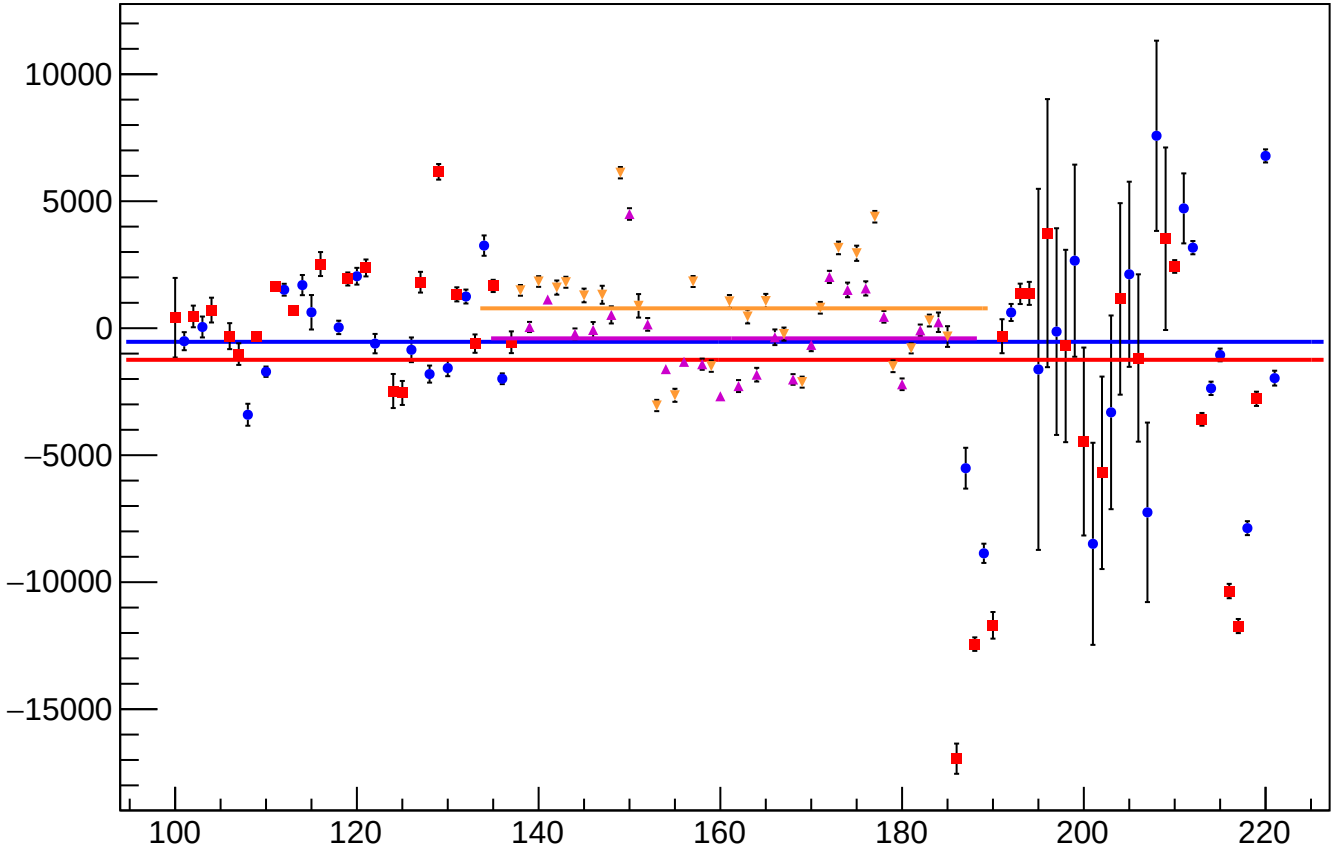
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 211.279+/-0.024 χ^2/NDF: 3058866.7/58

All: 206.822+/-0.017 χ^2/NDF: 7169896.7/118

- sign 202.477+/-0.024 χ^2/NDF: 4042543.1/59

asym_bpm0l08WS_mean vs Slug



Right In: -536.089+/-61.057 χ^2/NDF: 2814.2/33

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -1244.513+/-57.386 χ^2/NDF: 7329.3/36

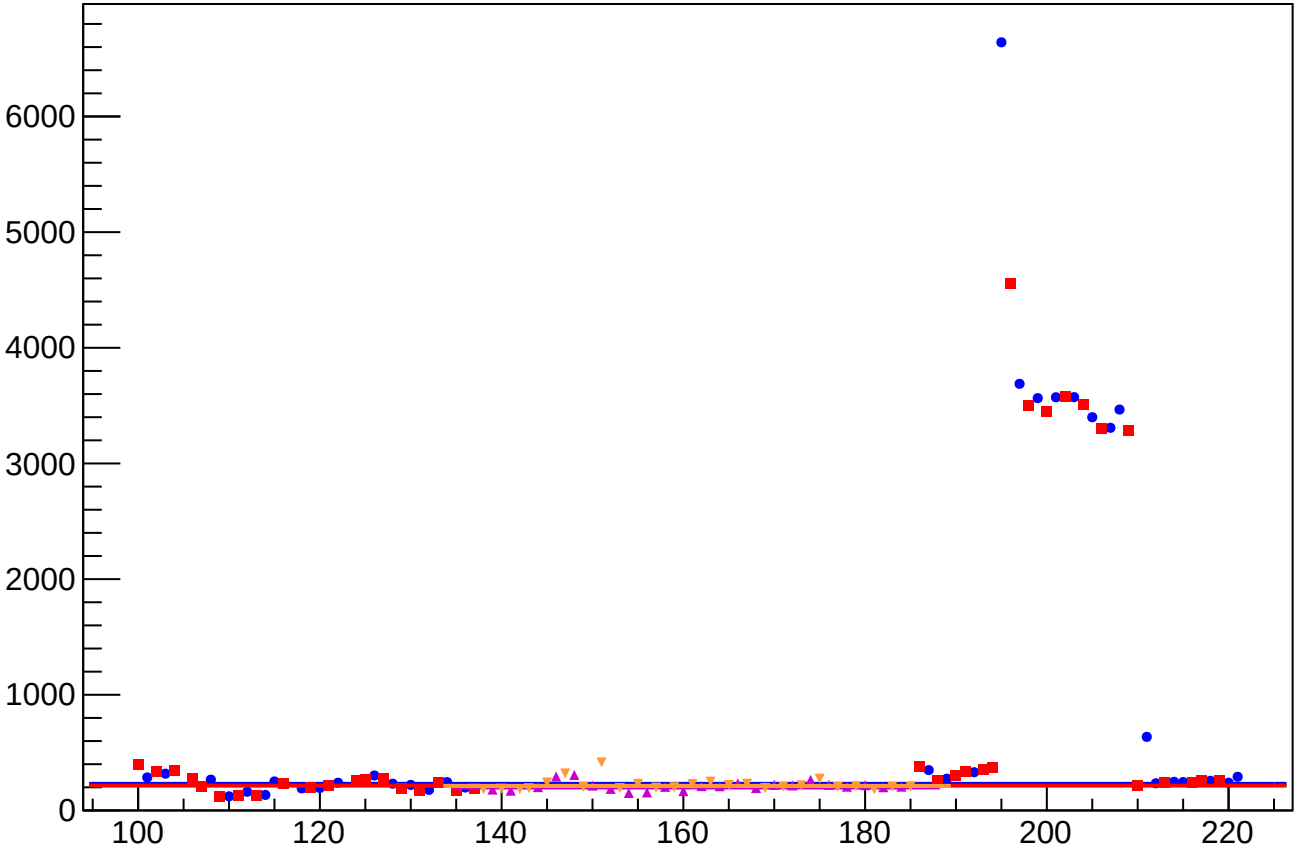
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 263.327+/-38.310 χ^2/NDF: 5098.2/58

All: -262.472+/-26.515 χ^2/NDF: 14149.0/118

- sign -745.969+/-36.736 χ^2/NDF: 8689.2/59

asym_bpm0l08WS_rms vs Slug



Right In: 229.919+/-0.043 χ^2/NDF: 13880789.7/33

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 214.722+/-0.041 χ^2/NDF: 13549082.9/36

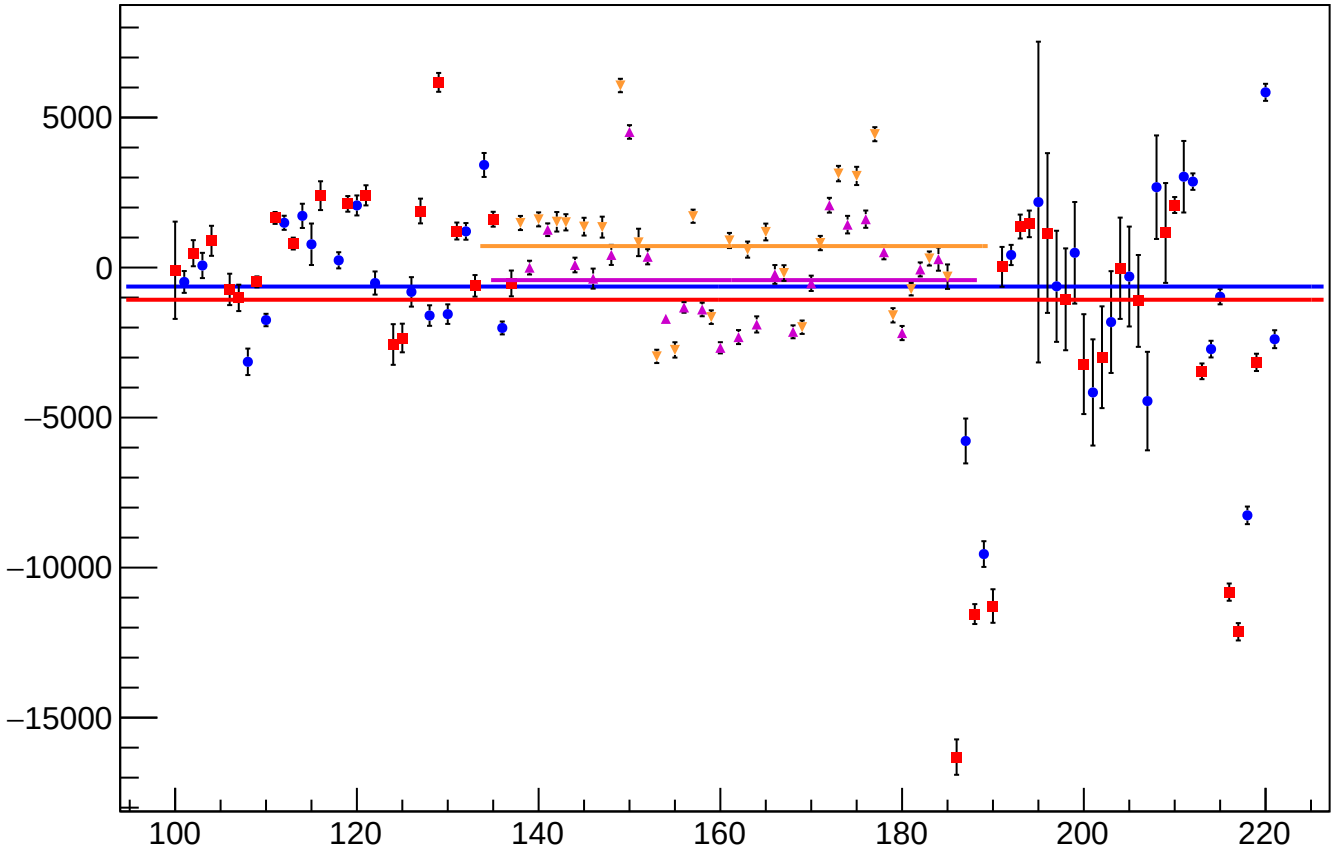
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 218.749+/-0.027 χ^2/NDF: 14926179.8/58

All: 211.671+/-0.019 χ^2/NDF: 29706808.6/11

- sign 205.162+/-0.026 χ^2/NDF: 14649584.5/59

asym_bpm0l09WS_mean vs Slug



Right In: -633.116+/-62.444 χ^2/NDF: 2428.1/33

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -1072.718+/-58.938 χ^2/NDF: 6378.6/36

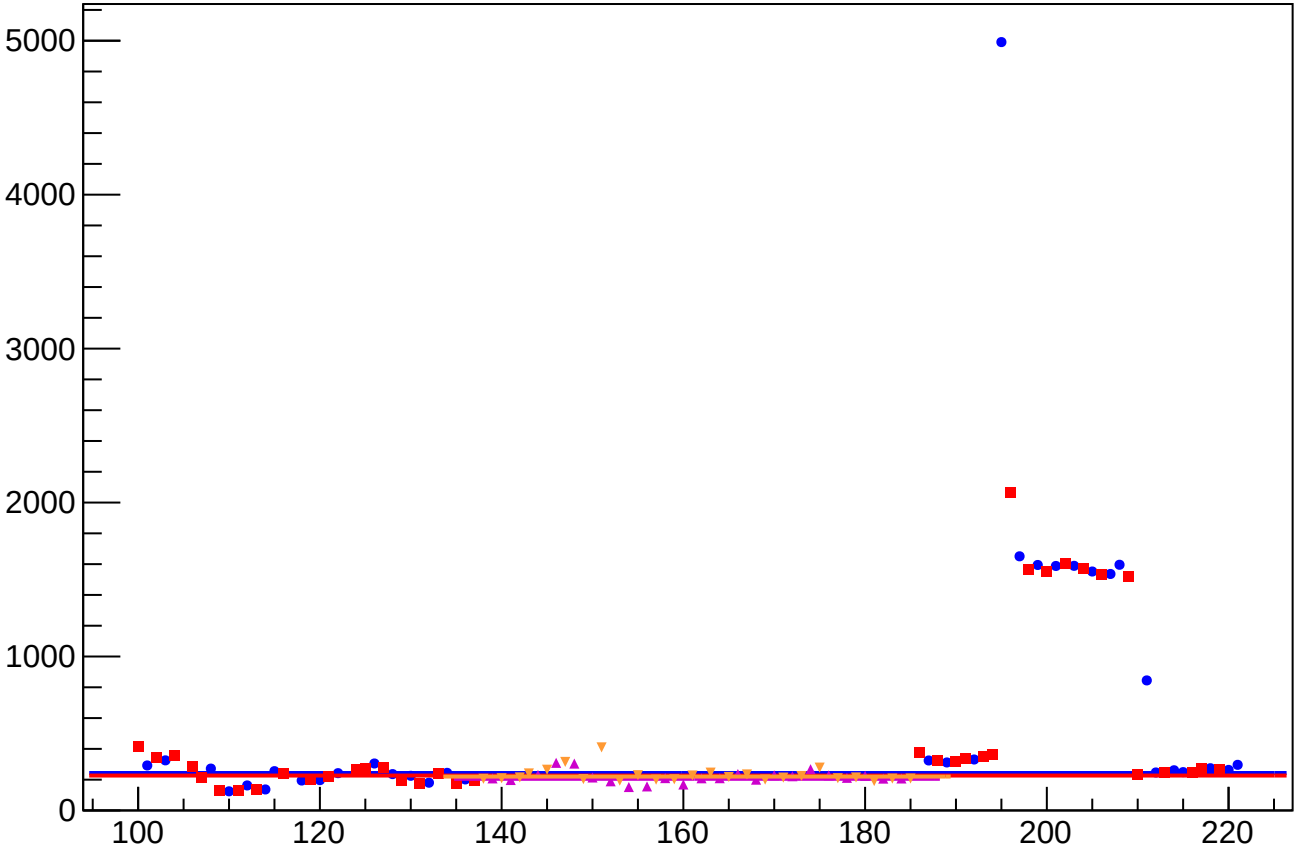
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 174.558+/-39.551 χ^2/NDF: 4625.5/58

All: -275.597+/-27.370 χ^2/NDF: 12565.9/118

- sign -689.291+/-37.915 χ^2/NDF: 7691.8/59

asym_bpm0l09WS_rms vs Slug



Right In: 243.174+/-0.044 χ^2/NDF: 12430583.1/33

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 226.756+/-0.042 χ^2/NDF: 11718185.6/36

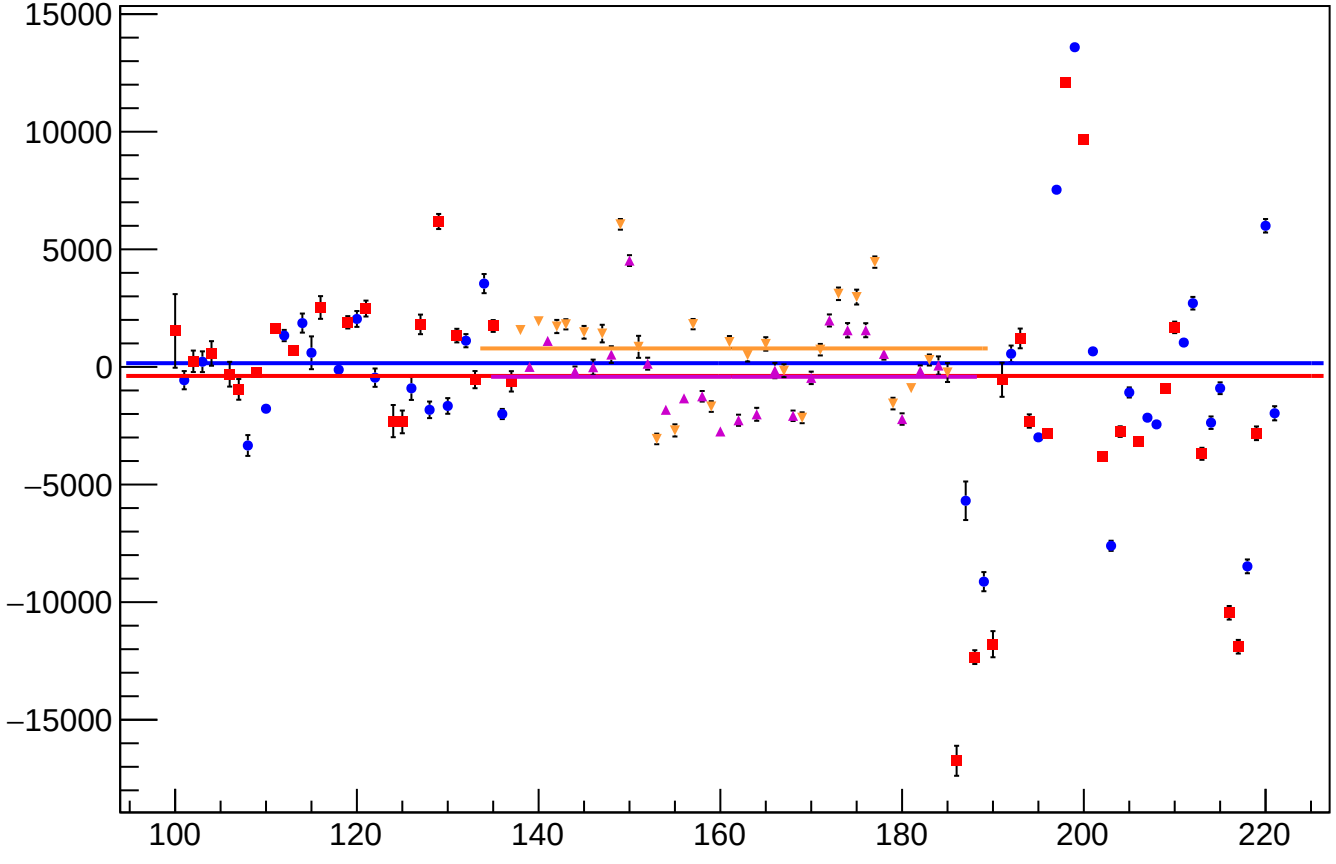
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 229.384+/-0.028 χ^2/NDF: 13393175.3/58

All: 221.516+/-0.019 χ^2/NDF: 26429935.8/11

- sign 214.286+/-0.027 χ^2/NDF: 12884891.0/59

asym_bpm0l10WS_mean vs Slug



Right In: 159.430+/-46.767 χ^2/NDF: 10658.5/33

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -382.623+/-46.831 χ^2/NDF: 13664.0/36

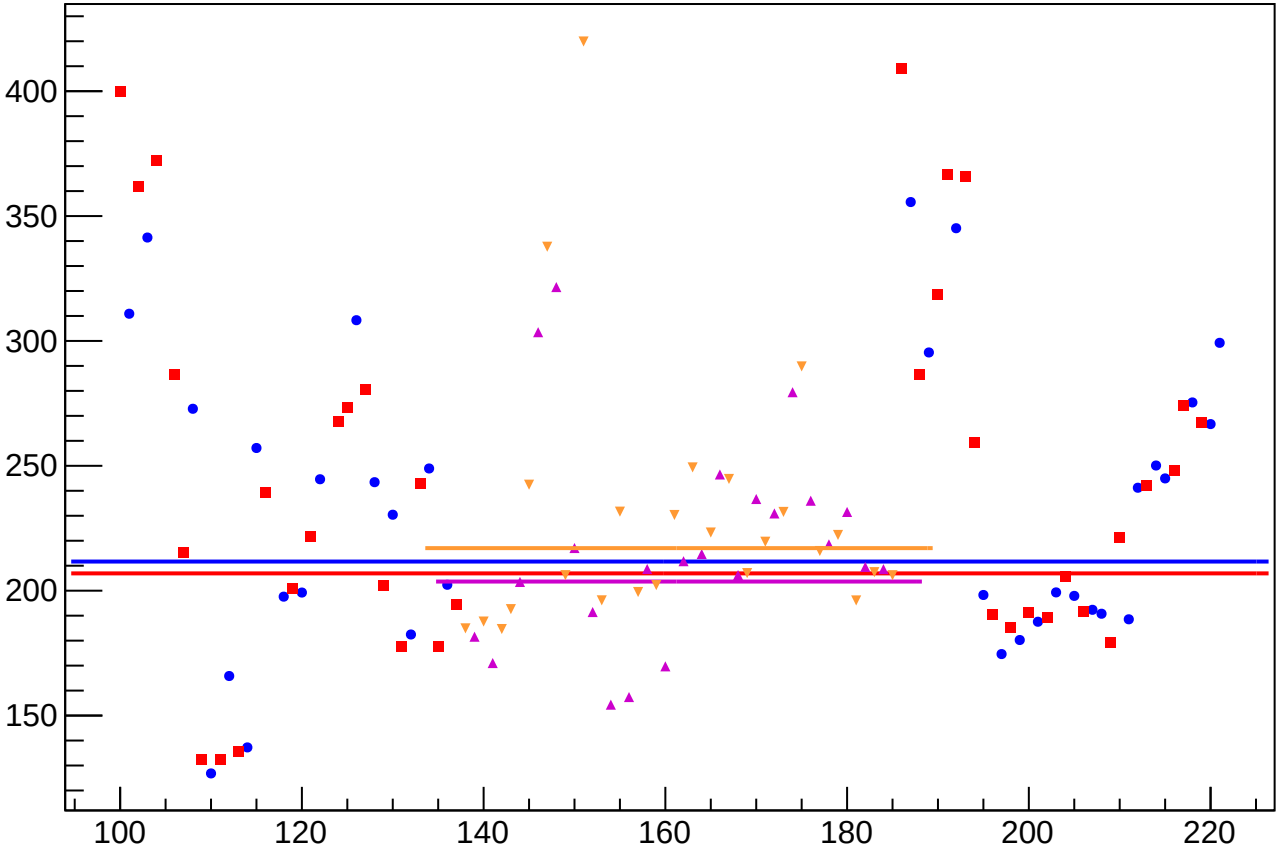
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 448.983+/-34.321 χ^2/NDF: 12679.1/58

All: 19.397+/-24.120 χ^2/NDF: 27863.9/118

- sign -399.848+/-33.905 χ^2/NDF: 14875.3/59

asym_bpm0l10WS_rms vs Slug



Right In: 211.668+/-0.033 χ^2/NDF: 2084083.3/33

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 206.928+/-0.033 χ^2/NDF: 2822622.0/36

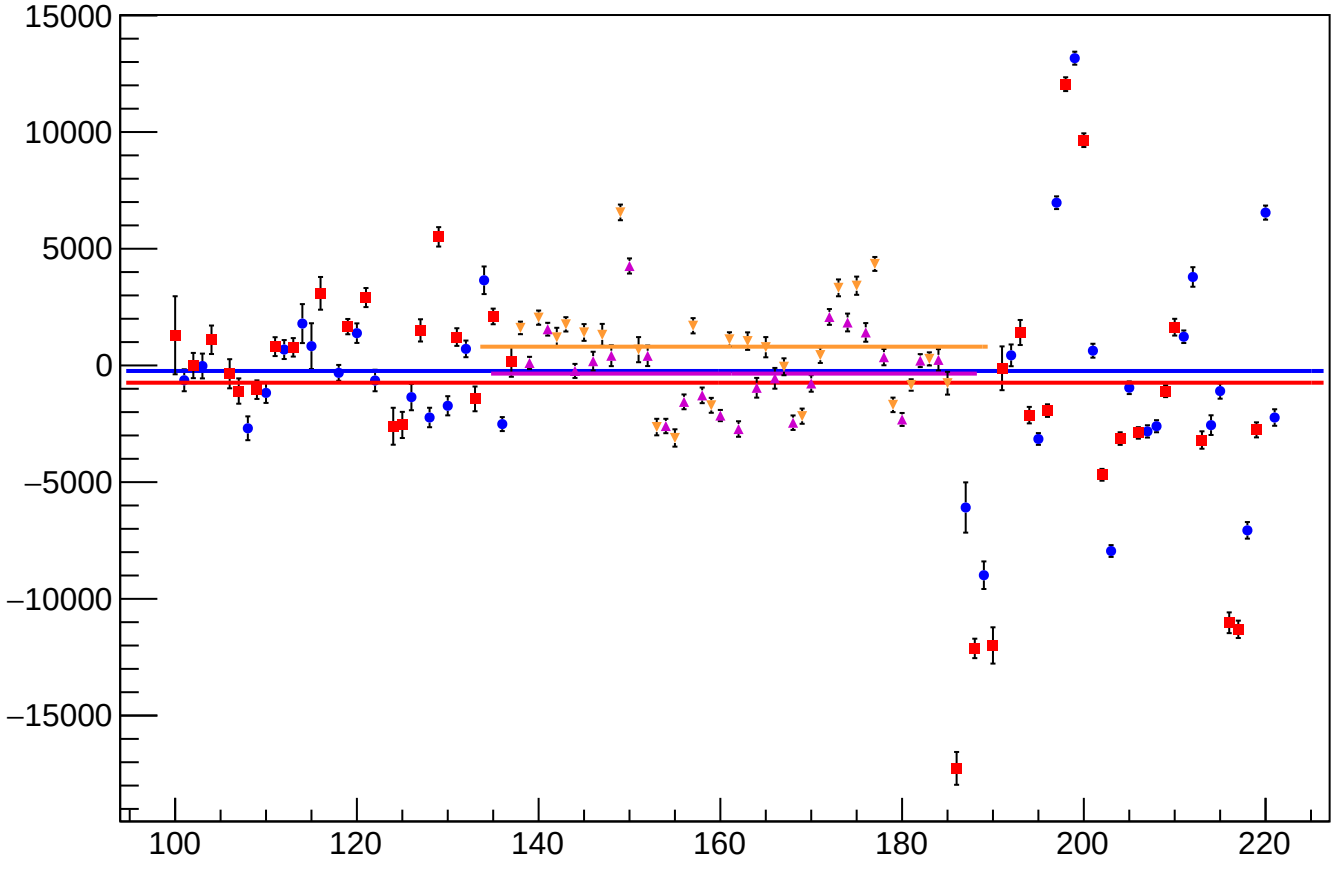
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.147+/-0.024 χ^2/NDF: 3079431.5/58

All: 209.706+/-0.017 χ^2/NDF: 7138171.2/118

- sign 205.373+/-0.024 χ^2/NDF: 3992590.6/59

asym_bpm0r03WS_mean vs Slug



Right In: -237.211+/-61.652 χ^2/NDF: 5783.6/33

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -740.008+/-64.284 χ^2/NDF: 7118.9/36

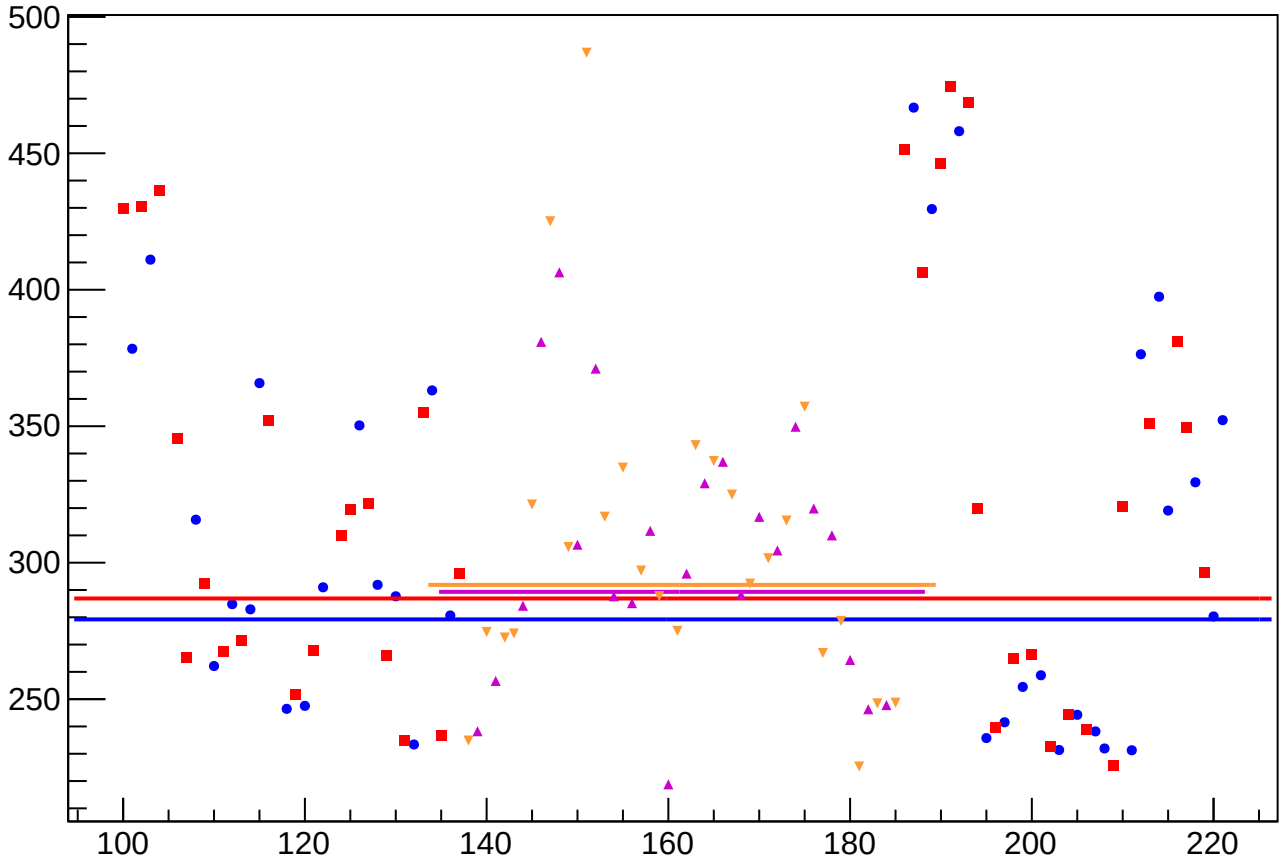
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 234.761+/-45.581 χ^2/NDF: 6970.6/58

All: -149.604+/-32.731 χ^2/NDF: 14909.5/118

- sign -558.788+/-47.030 χ^2/NDF: 7792.1/59

asym_bpm0r03WS_rms vs Slug



Right In: 279.227+/-0.044 χ^2/NDF: 1691273.1/33

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.888+/-0.045 χ^2/NDF: 1811983.5/36

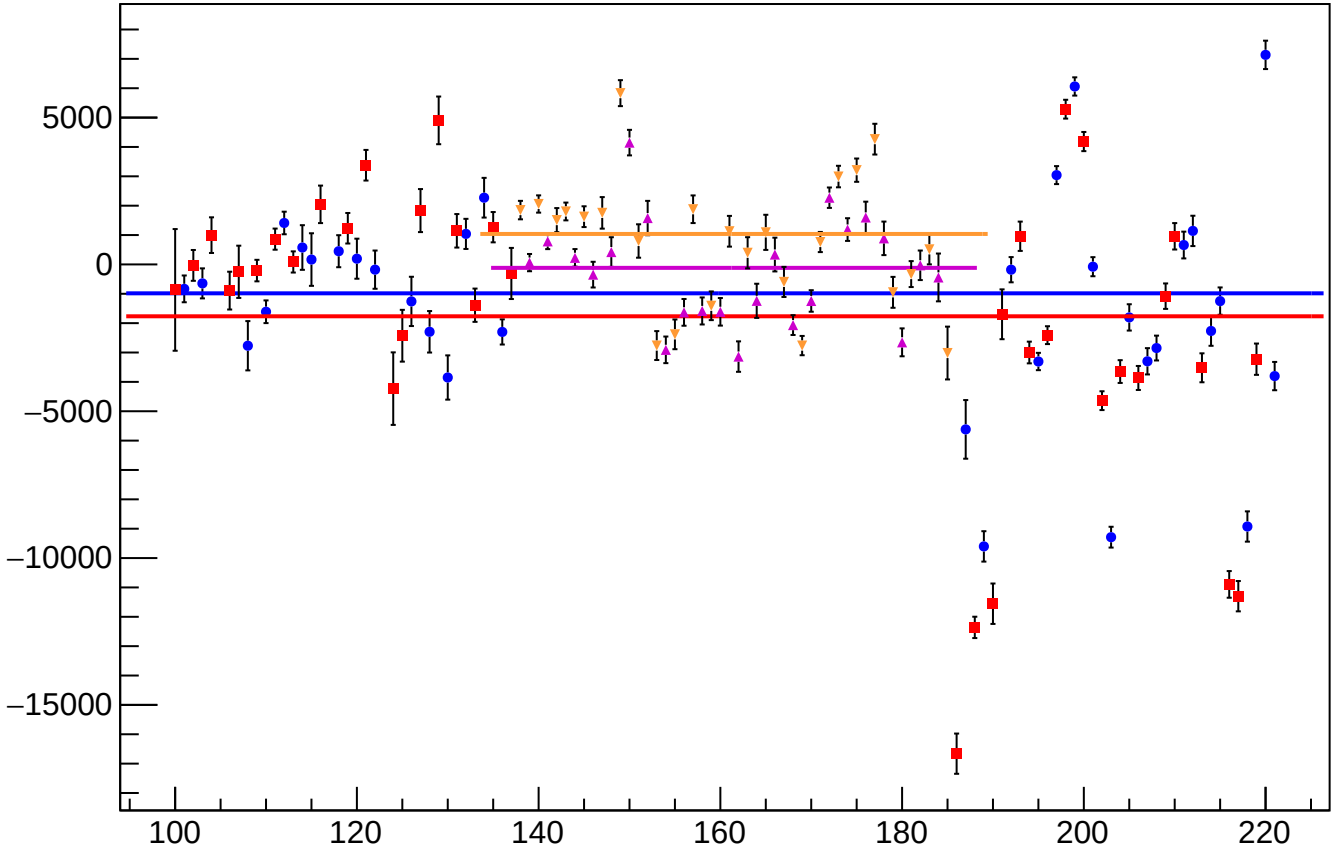
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 284.965+/-0.032 χ^2/NDF: 2689402.5/58

All: 286.444+/-0.023 χ^2/NDF: 5315671.5/118

- sign 288.019+/-0.033 χ^2/NDF: 2621920.0/59

asym_bpm0r05WS_mean vs Slug



Right In: -984.356+/-80.039 χ^2/NDF: 2378.1/33

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1766.574+/-78.349 χ^2/NDF: 3782.5/36

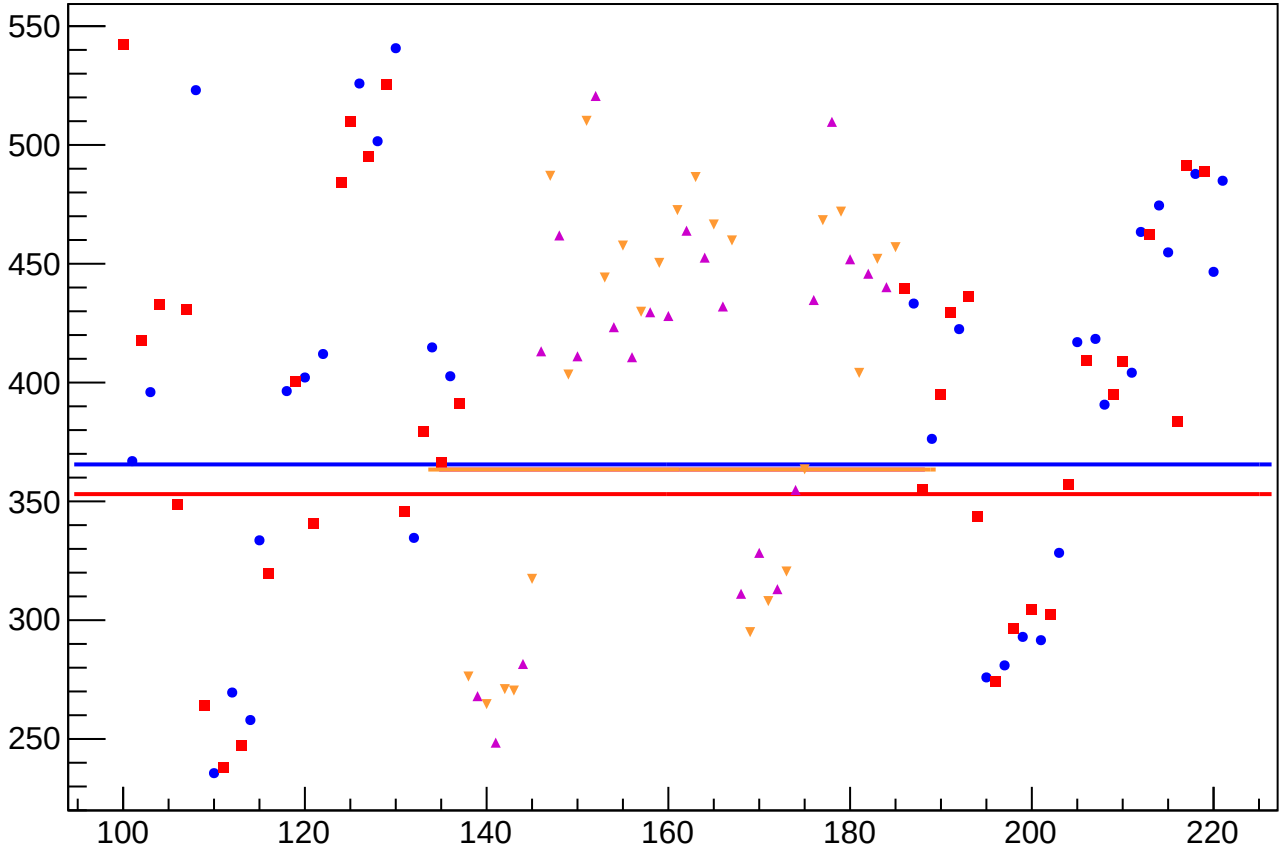
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

\+ sign -36.597+/-58.335 χ^2/NDF: 3247.3/58

All: -534.244+/-41.257 χ^2/NDF: 7743.2/118

\- sign -1032.266+/-58.357 χ^2/NDF: 4350.2/59

asym_bpm0r05WS_rms vs Slug



Right In: 365.549+/-0.057 χ^2/NDF: 2003962.1/33

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 353.055+/-0.055 χ^2/NDF: 1747123.6/36

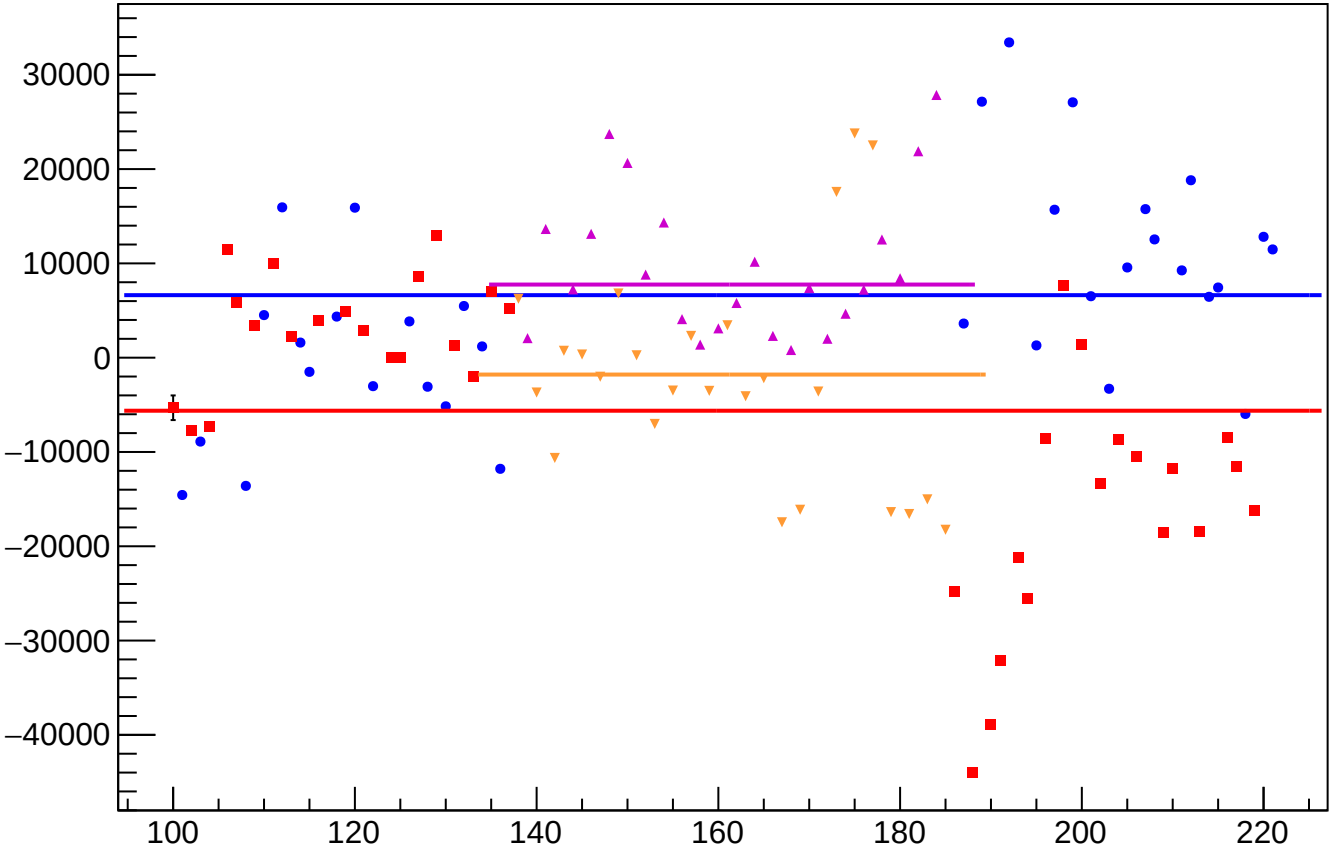
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 364.535+/-0.041 χ^2/NDF: 3945143.5/58

All: 361.096+/-0.029 χ^2/NDF: 7433258.3/118

- sign 357.654+/-0.041 χ^2/NDF: 3474206.3/59

asym_bpm0i02WS_mean vs Slug



Right In: 6630.436+/-37.092 χ^2/NDF: 100296.4/33

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5625.025+/-36.486 χ^2/NDF: 149627.3/36

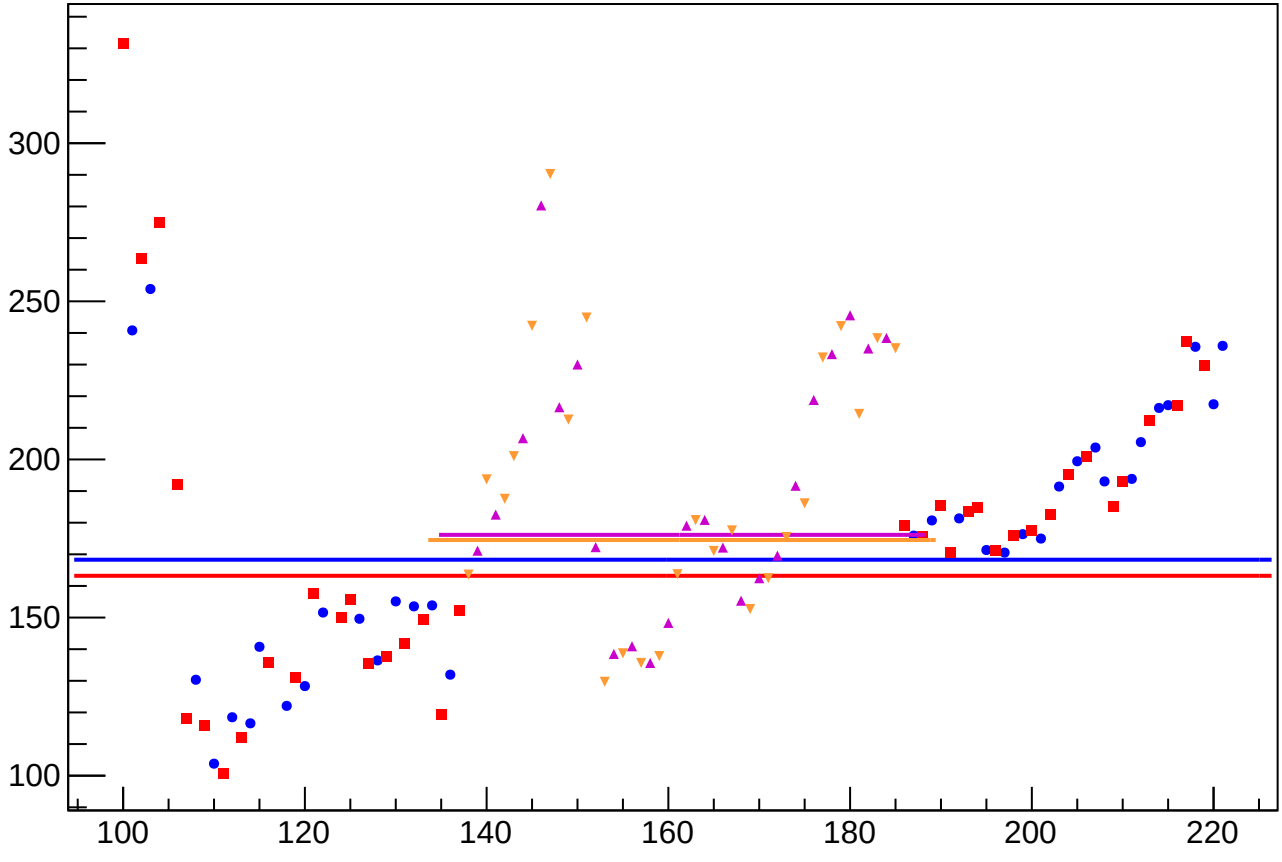
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2831.287+/-27.479 χ^2/NDF: 189295.3/58

All: 1447.441+/-19.509 χ^2/NDF: 424260.8/11

- sign 40.898+/-27.703 χ^2/NDF: 229851.5/59

asym_bpm0i02WS_rms vs Slug



Right In: 168.297+/-0.026 χ^2/NDF: 2086297.3/33

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

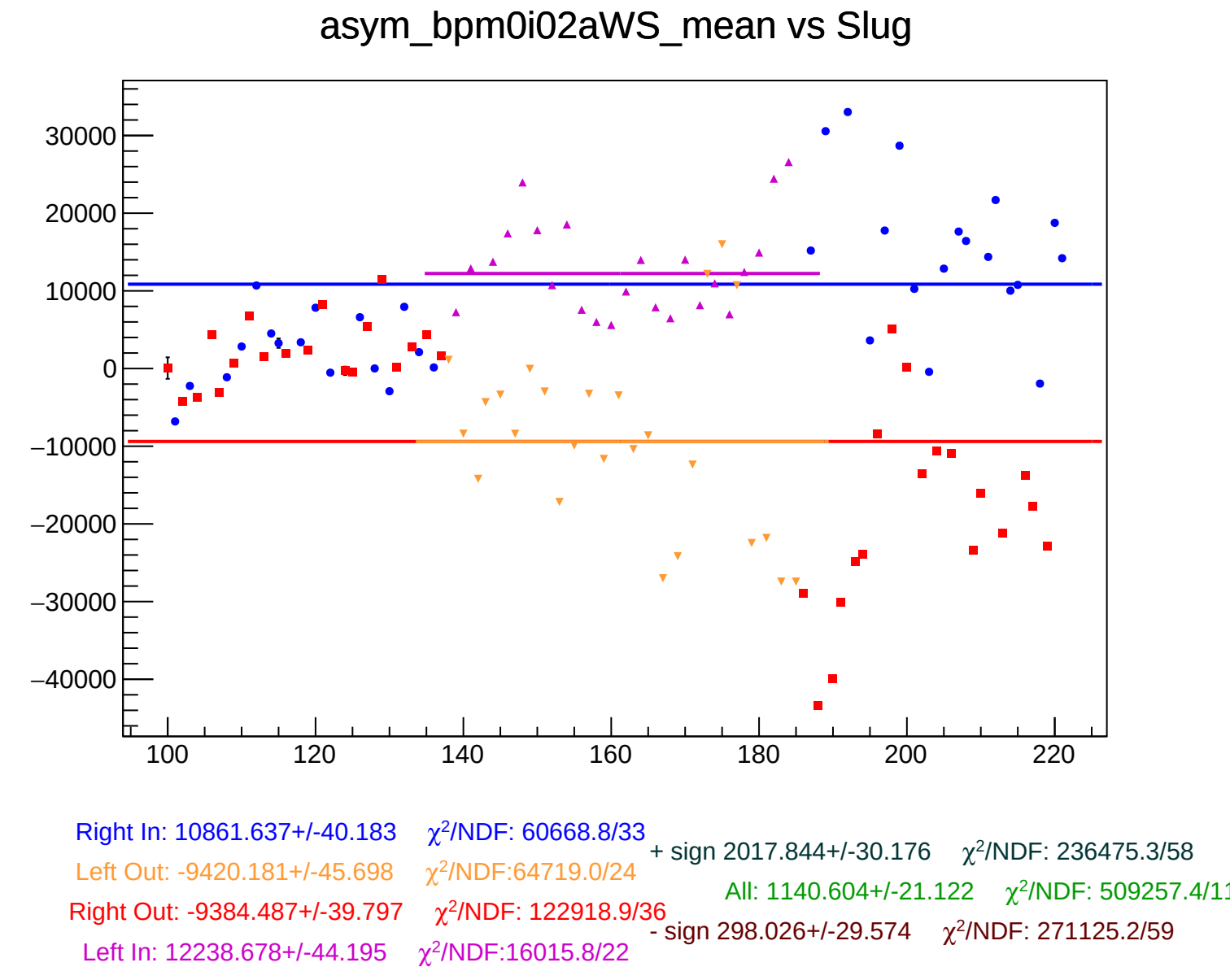
Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

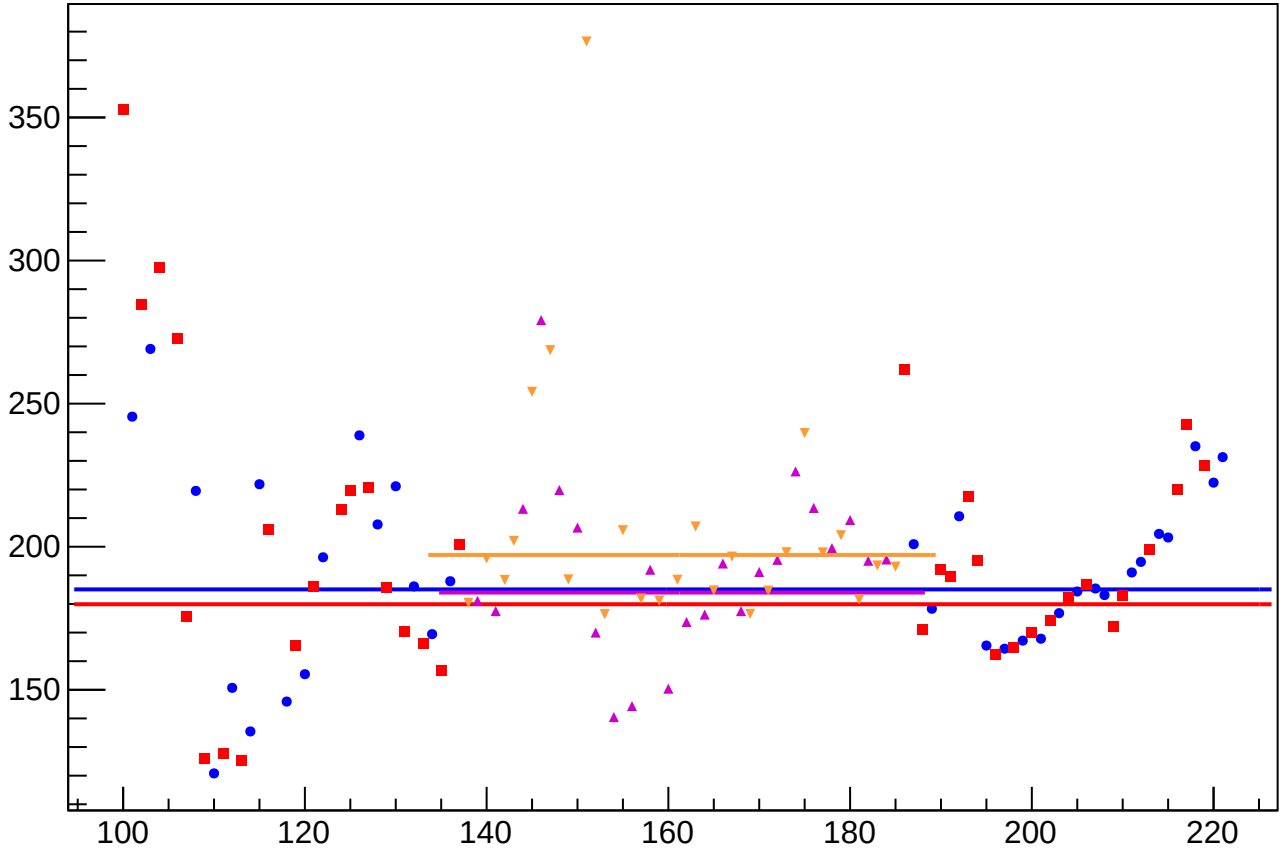
+ sign 171.105+/-0.019 χ^2/NDF: 3771173.5/58

All: 169.907+/-0.014 χ^2/NDF: 7514519.6/118

- sign 168.690+/-0.020 χ^2/NDF: 3735684.8/59


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 10861.637+/-40.183 χ²/NDF: 60668.8/33
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -9384.487+/-39.797 χ²/NDF: 122918.9/36
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 2017.844+/-30.176 χ²/NDF: 236475.3/58
All: 1140.604+/-21.122 χ²/NDF: 509257.4/11
- sign 298.026+/-29.574 χ²/NDF: 271125.2/59

asym_bpm0i02aWS_rms vs Slug



Right In: 185.086+/-0.028 χ^2/NDF: 1062306.5/33

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

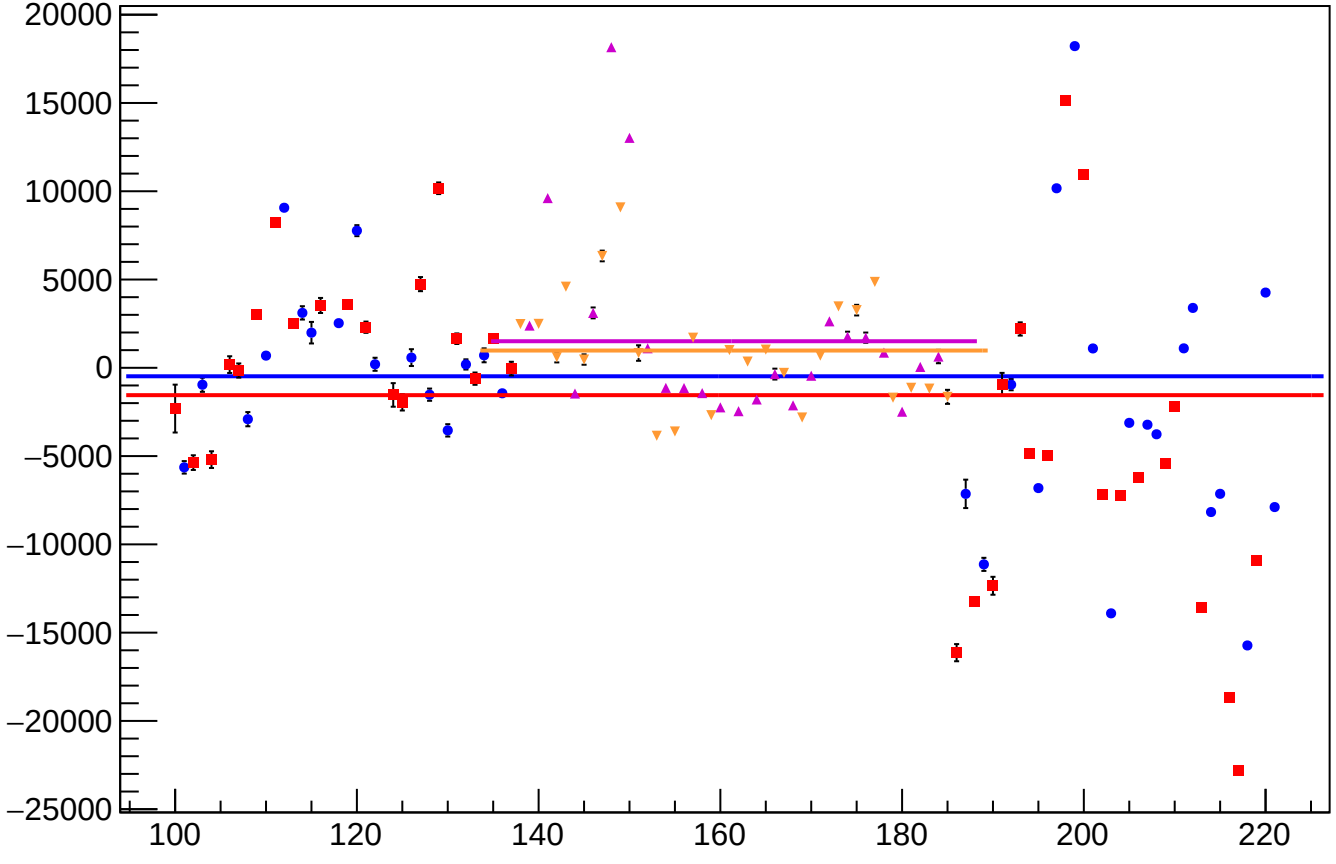
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 190.335+/-0.021 χ^2/NDF: 1873079.6/58

All: 185.944+/-0.015 χ^2/NDF: 4292470.7/118

- sign 181.728+/-0.021 χ^2/NDF: 2336402.0/59

asym_bpm0i05WS_mean vs Slug



Right In: -479.761+/-45.138 χ^2/NDF: 28035.3/33

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1549.058+/-44.720 χ^2/NDF: 36556.9/36

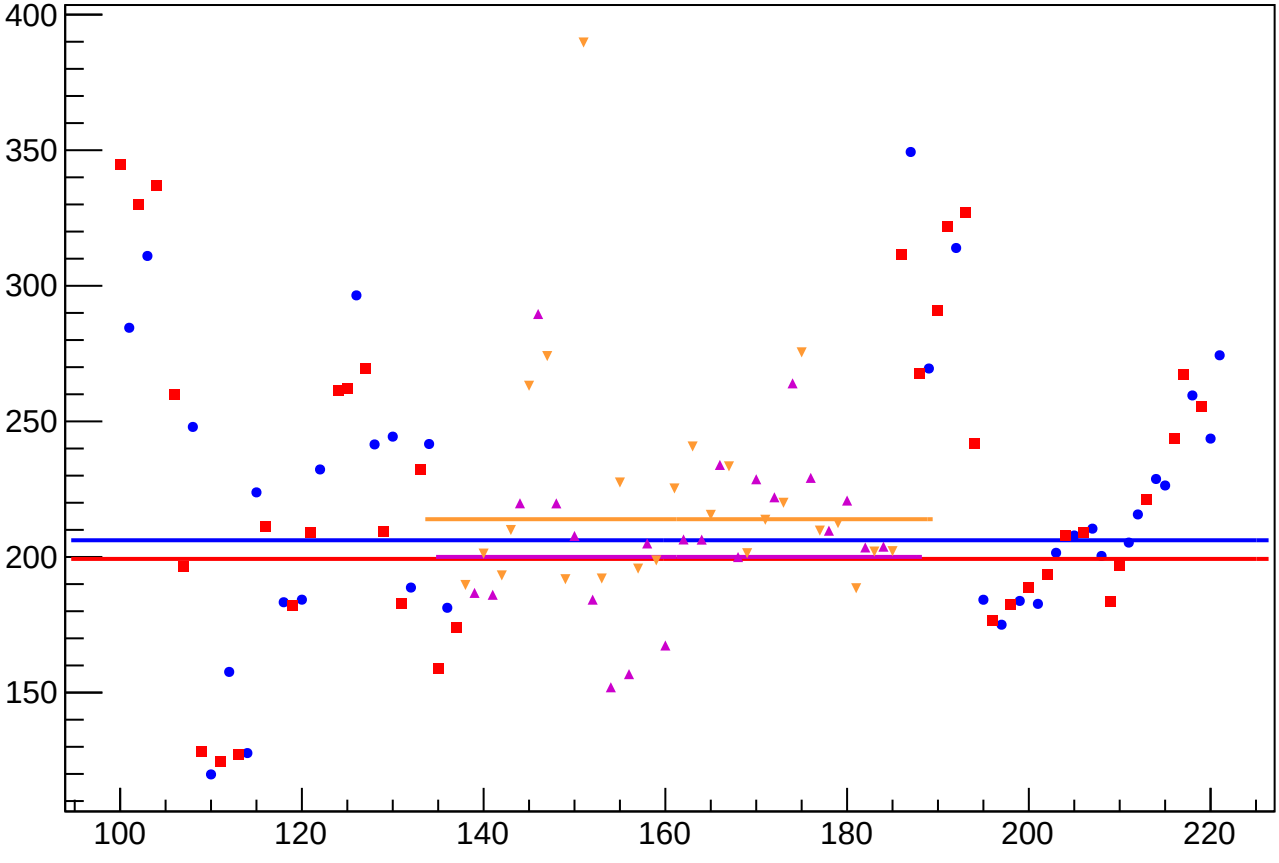
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 180.704+/-33.386 χ^2/NDF: 32830.9/58

All: 21.531+/-23.374 χ^2/NDF: 83077.9/118

- sign -131.506+/-32.736 χ^2/NDF: 50202.4/59

asym_bpm0i05WS_rms vs Slug



Right In: 206.167+/-0.032 χ^2/NDF: 1773205.5/33

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

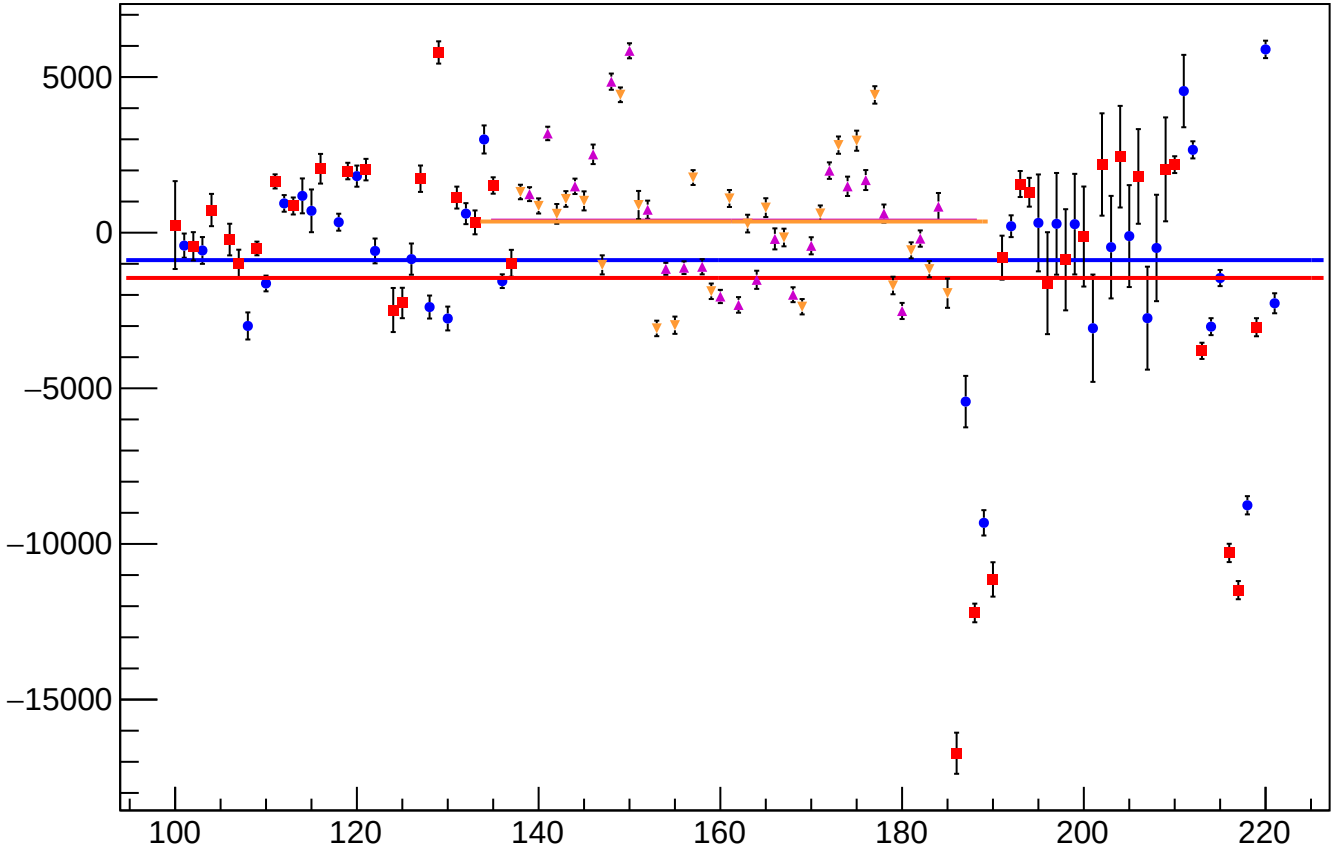
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 209.683+/-0.024 χ^2/NDF: 2533649.1/58

All: 204.560+/-0.017 χ^2/NDF: 5964349.6/118

- sign 199.634+/-0.023 χ^2/NDF: 3338303.6/59

asym_bpm0i07WS_mean vs Slug



Right In: -881.504+/-66.218 χ^2/NDF: 2380.3/33

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1454.435+/-63.496 χ^2/NDF: 5922.8/36

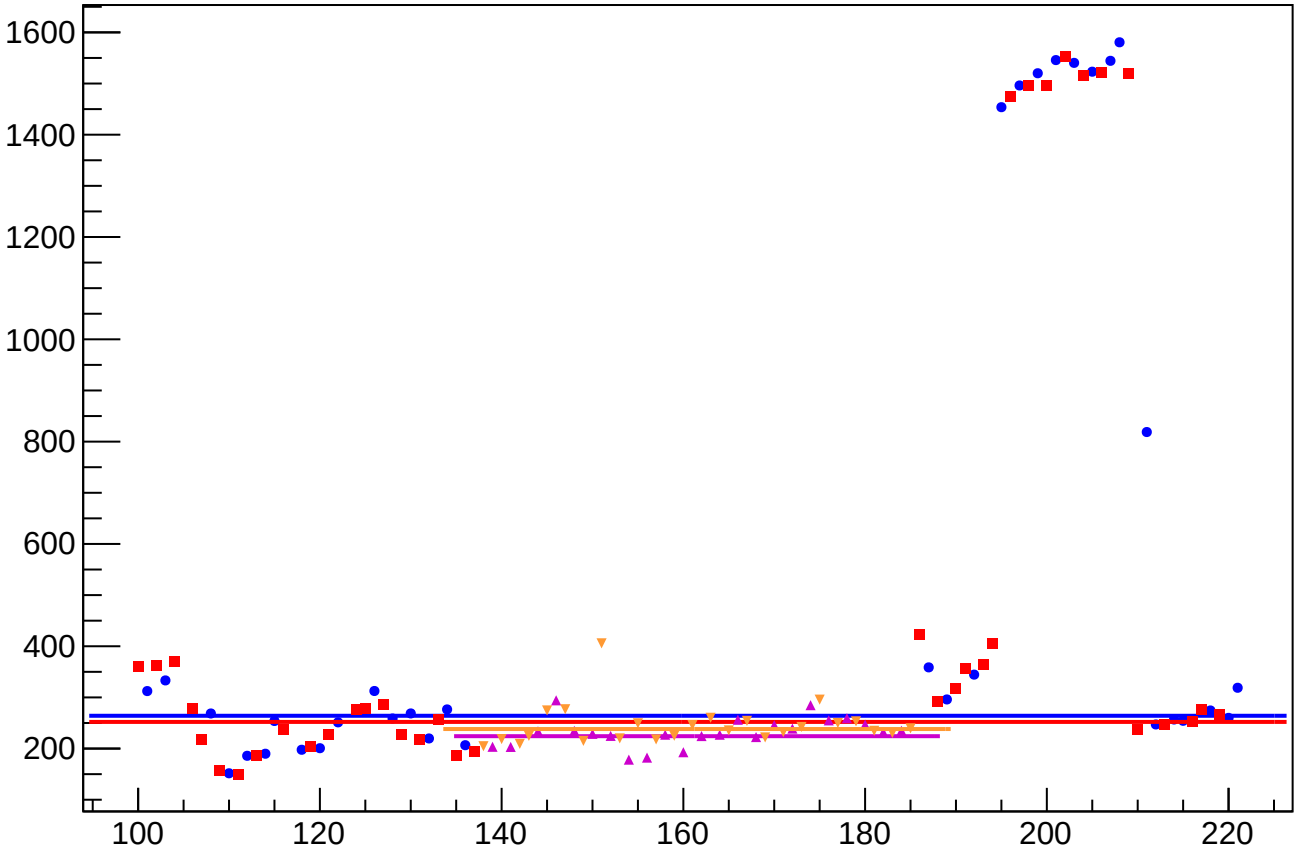
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -147.522+/-42.305 χ^2/NDF: 4006.8/58

All: -266.601+/-29.415 χ^2/NDF: 12240.7/118

- sign -378.039+/-40.926 χ^2/NDF: 8218.5/59

asym_bpm0i07WS_rms vs Slug



Right In: 264.118+/-0.047 χ^2/NDF: 11125639.6/33

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

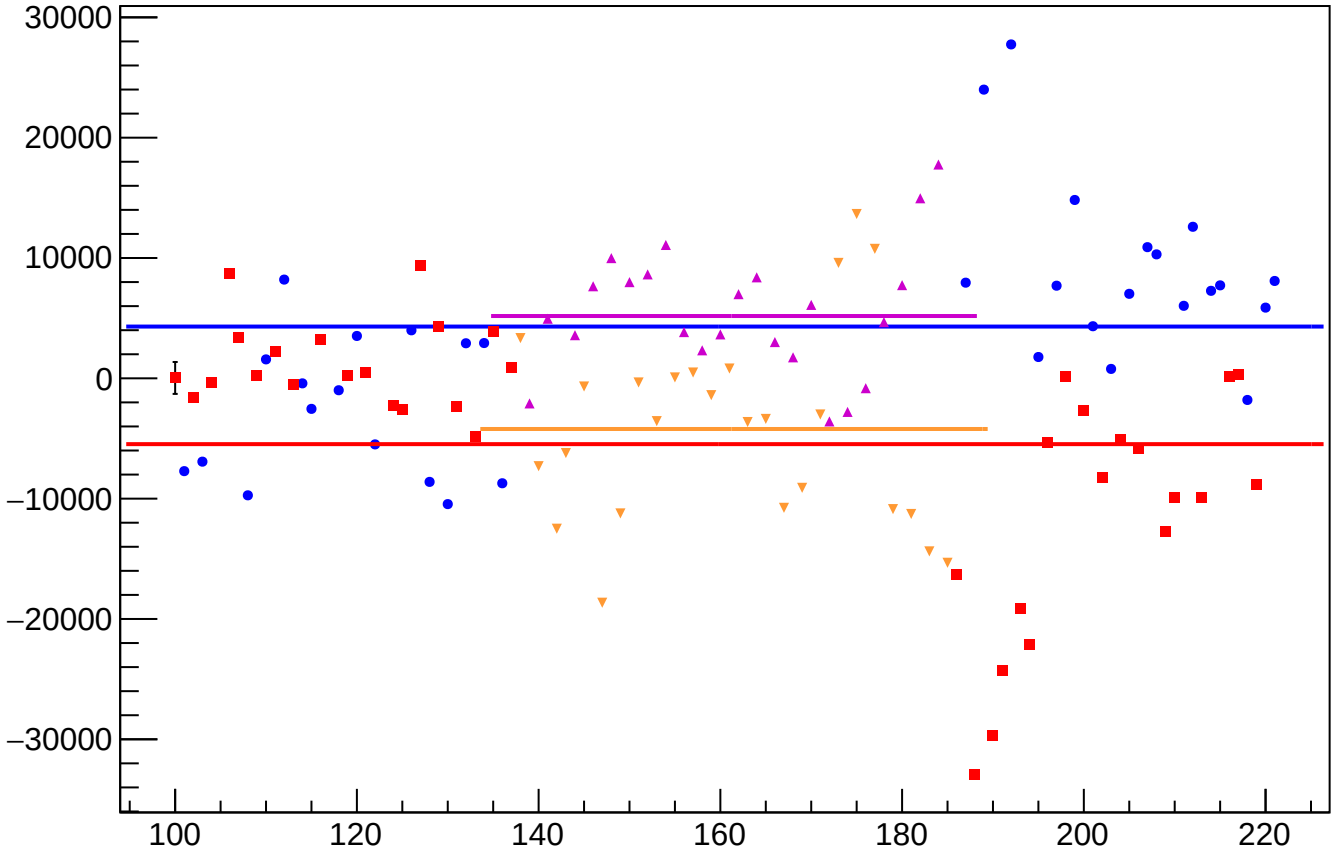
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 248.779+/-0.030 χ^2/NDF: 11874925.8/58

All: 242.074+/-0.021 χ^2/NDF: 23311988.7/11

- sign 235.800+/-0.029 χ^2/NDF: 11339826.7/59

asym_bpm1i02WS_mean vs Slug



Right In: 4302.381+/-31.514 χ^2/NDF: 83273.4/33

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5469.697+/-30.831 χ^2/NDF: 107507.6/36

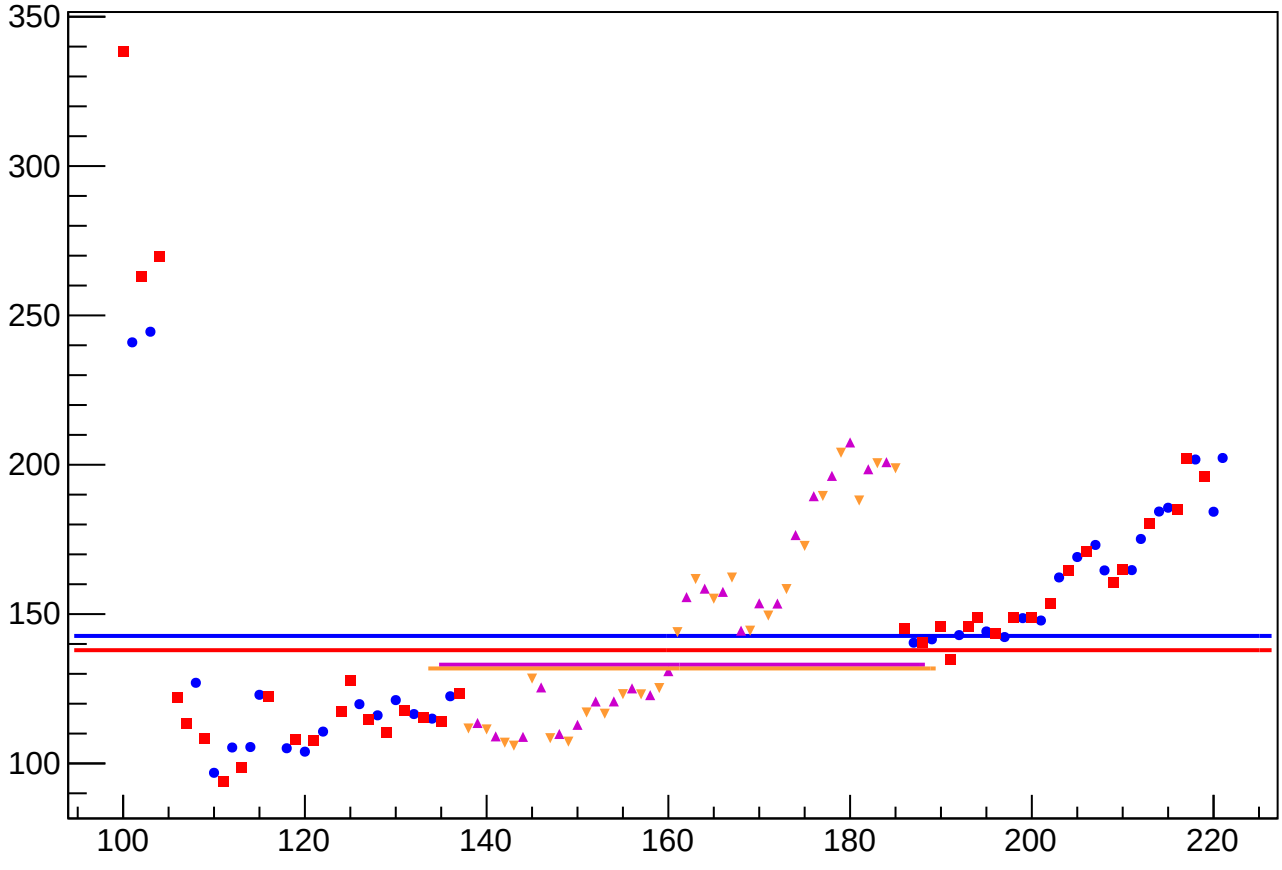
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -47.682+/-22.037 χ^2/NDF: 177365.2/58

All: -192.164+/-15.637 χ^2/NDF: 360977.5/11

- sign -338.687+/-22.192 χ^2/NDF: 183525.8/59

asym_bpm1i02WS_rms vs Slug



Right In: 142.691+/-0.022 χ^2/NDF: 2112273.8/33

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

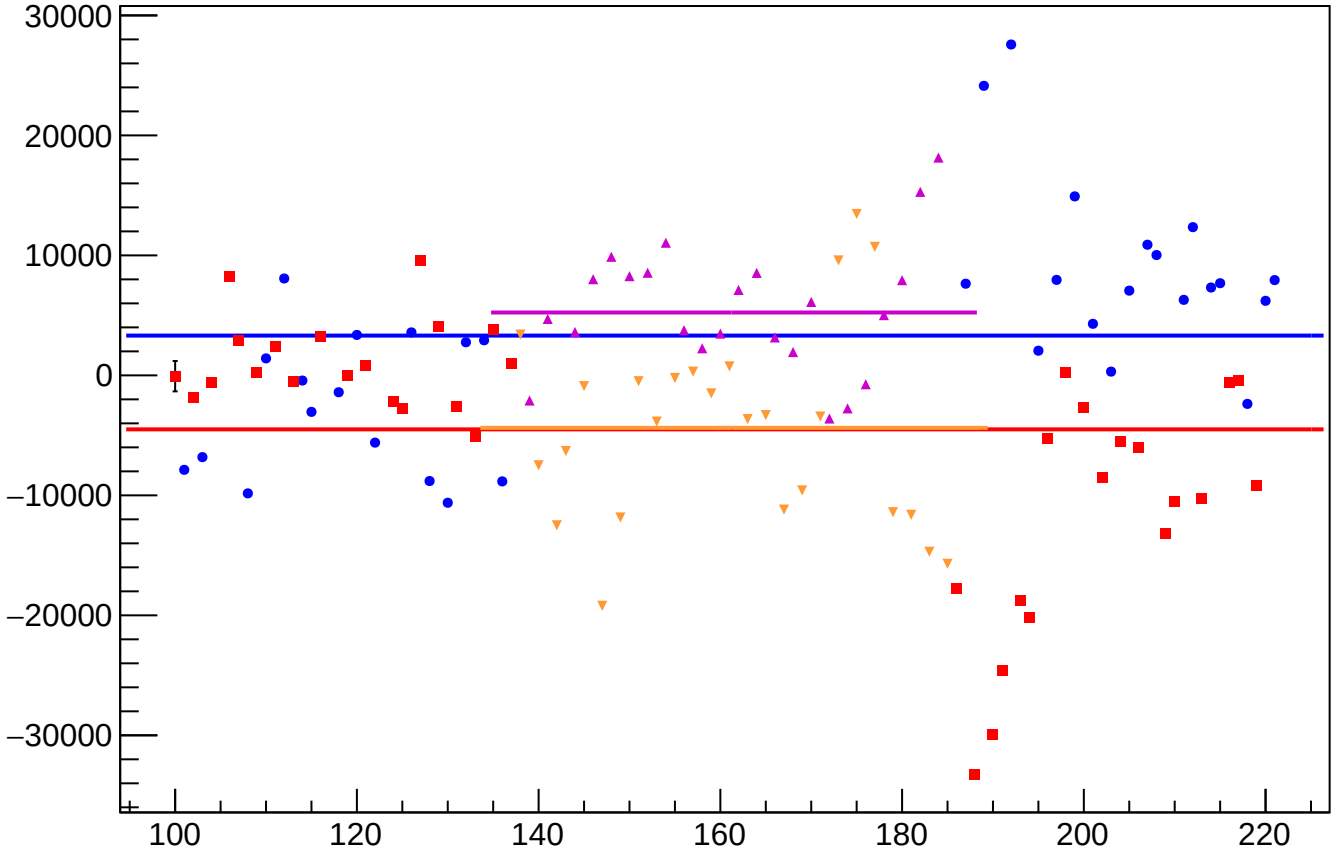
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 137.124+/-0.016 χ^2/NDF: 3778723.3/58

All: 136.357+/-0.011 χ^2/NDF: 7363110.4/118

- sign 135.578+/-0.016 χ^2/NDF: 3579498.8/59

asym_bpm1i04WS_mean vs Slug



Right In: 3315.138+/-28.512 χ^2/NDF: 94571.2/33

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4499.953+/-27.957 χ^2/NDF: 117613.1/36

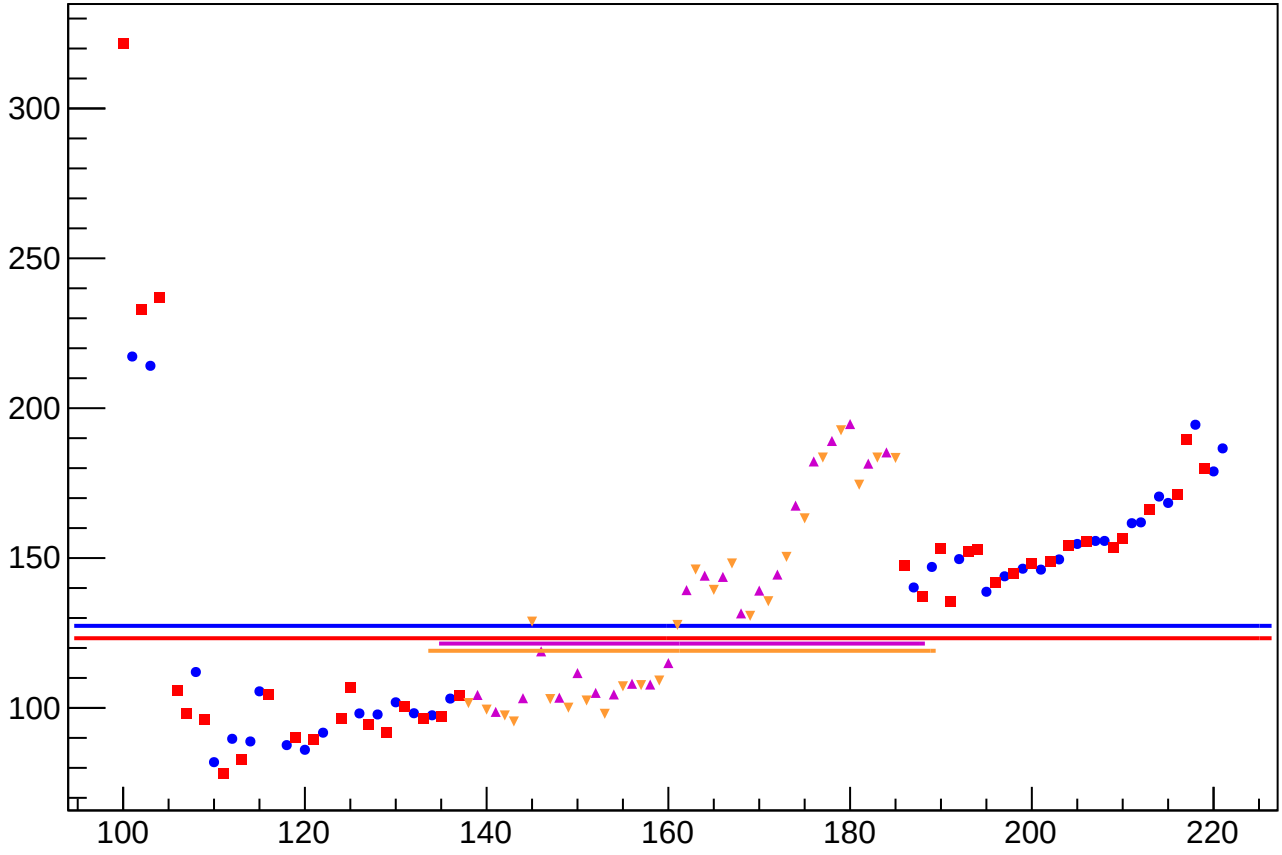
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -604.594+/-19.961 χ^2/NDF: 198858.5/58

All: -232.178+/-14.202 χ^2/NDF: 397390.0/11

- sign 149.603+/-20.211 χ^2/NDF: 197826.6/59

asym_bpm1i04WS_rms vs Slug



Right In: 127.381+/-0.020 χ^2/NDF: 3066420.1/33

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 123.252+/-0.020 χ^2/NDF: 3129638.5/36

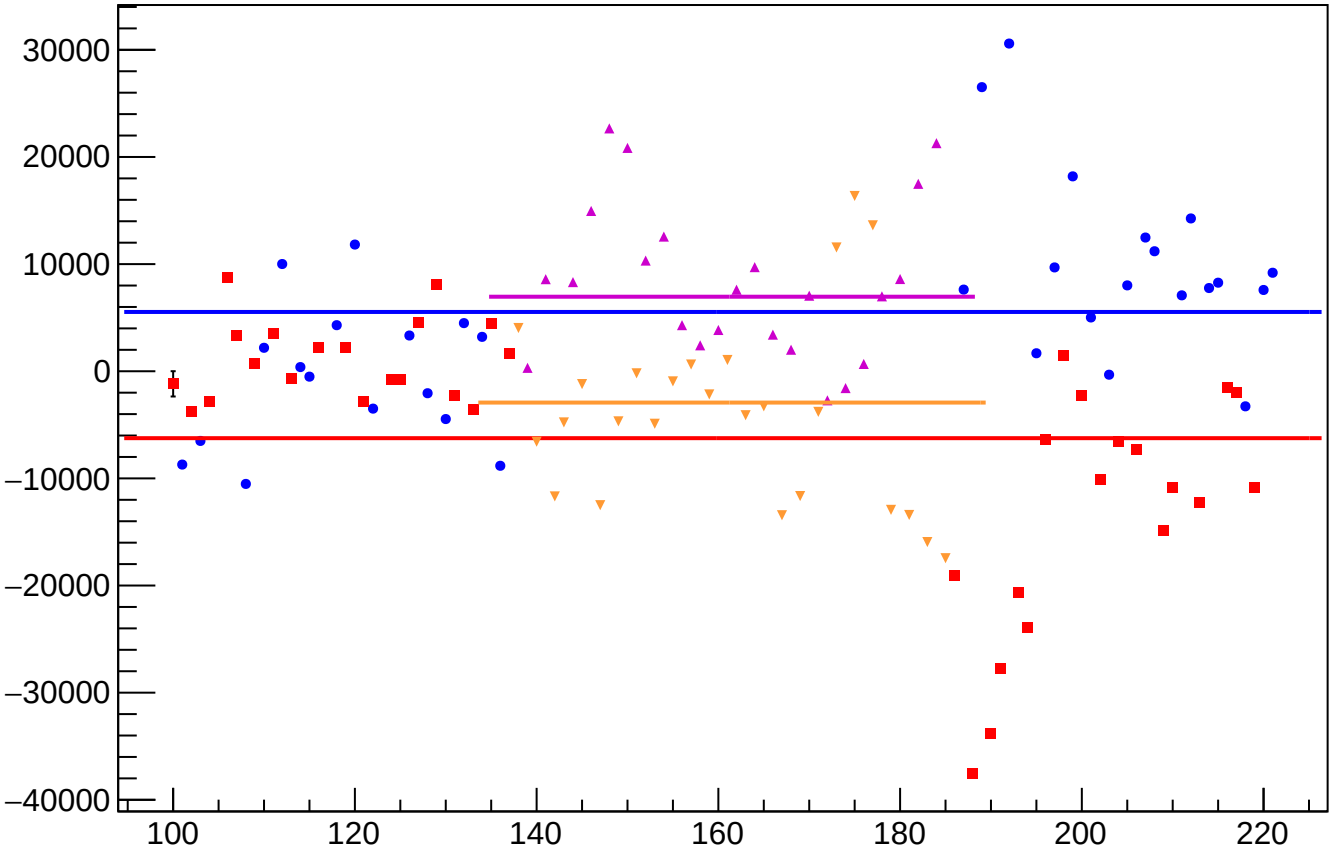
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 123.141+/-0.014 χ^2/NDF: 4908620.5/58

All: 122.775+/-0.010 χ^2/NDF: 9572886.4/118

- sign 122.400+/-0.014 χ^2/NDF: 4662906.5/59

asym_bpm1i06WS_mean vs Slug



Right In: 5534.407+/-37.232 χ^2/NDF: 66529.4/33

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -6245.901+/-36.622 χ^2/NDF: 96419.2/36

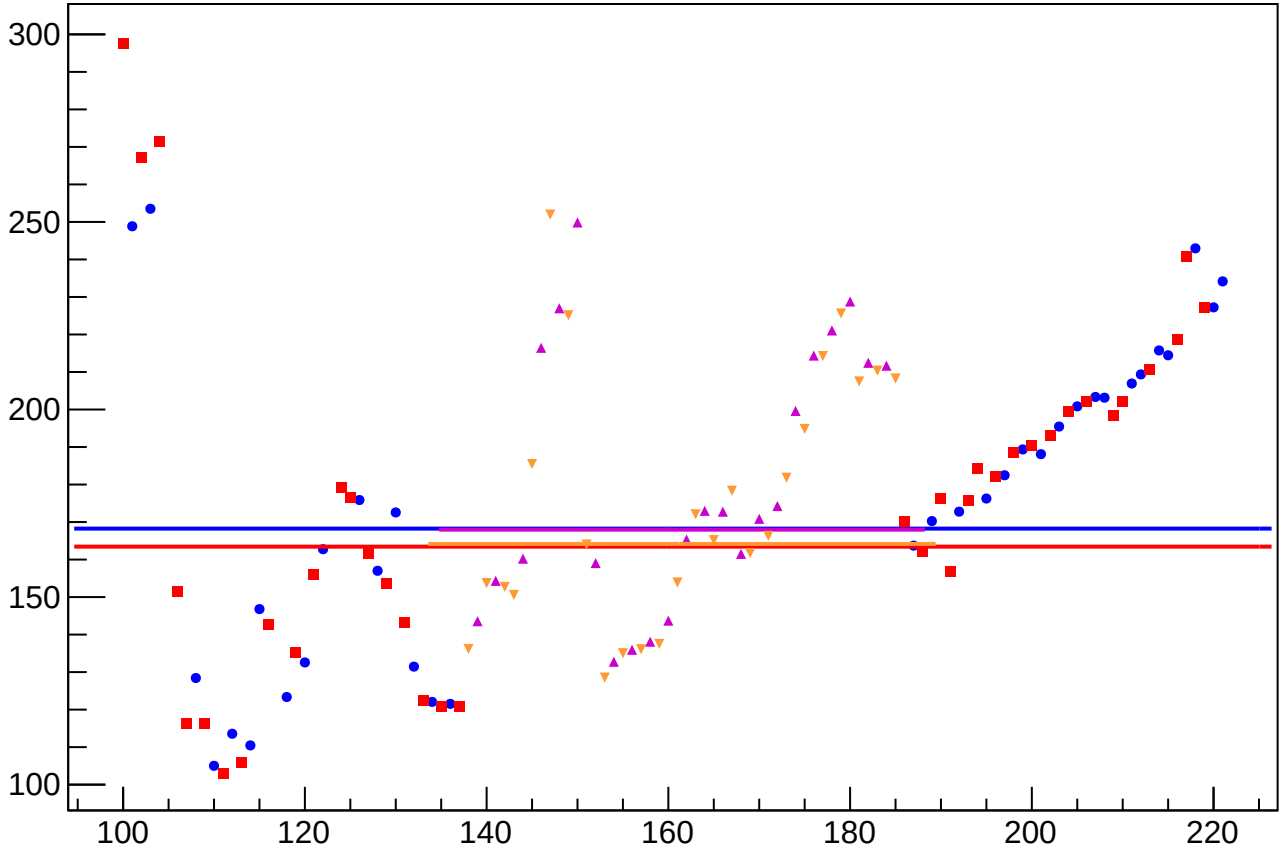
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 1412.536+/-26.657 χ^2/NDF: 129730.0/58

All: 586.973+/-18.999 χ^2/NDF: 309310.1/118

- sign -265.365+/-27.086 χ^2/NDF: 177630.9/59

asym_bpm1i06WS_rms vs Slug



Right In: 168.253+/-0.026 χ^2/NDF: 2479196.9/33

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 163.446+/-0.026 χ^2/NDF: 2440322.0/36

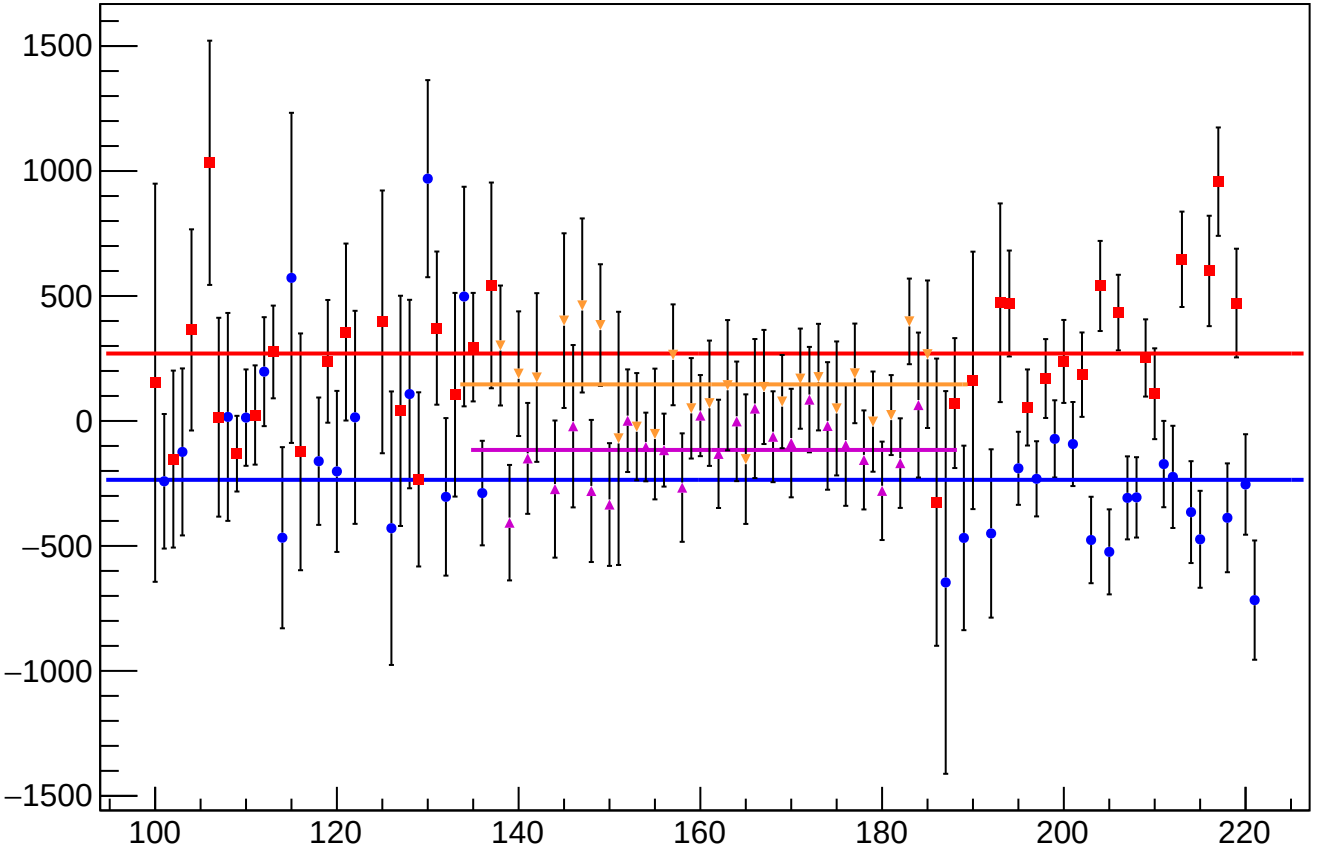
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 166.264+/-0.019 χ^2/NDF: 3715309.7/58

All: 165.887+/-0.013 χ^2/NDF: 7393046.4/118

- sign 165.498+/-0.019 χ^2/NDF: 3676923.3/59

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -235.538+/-38.563 χ^2/NDF: 36.5/33

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 269.803+/-39.055 χ^2/NDF: 43.6/34

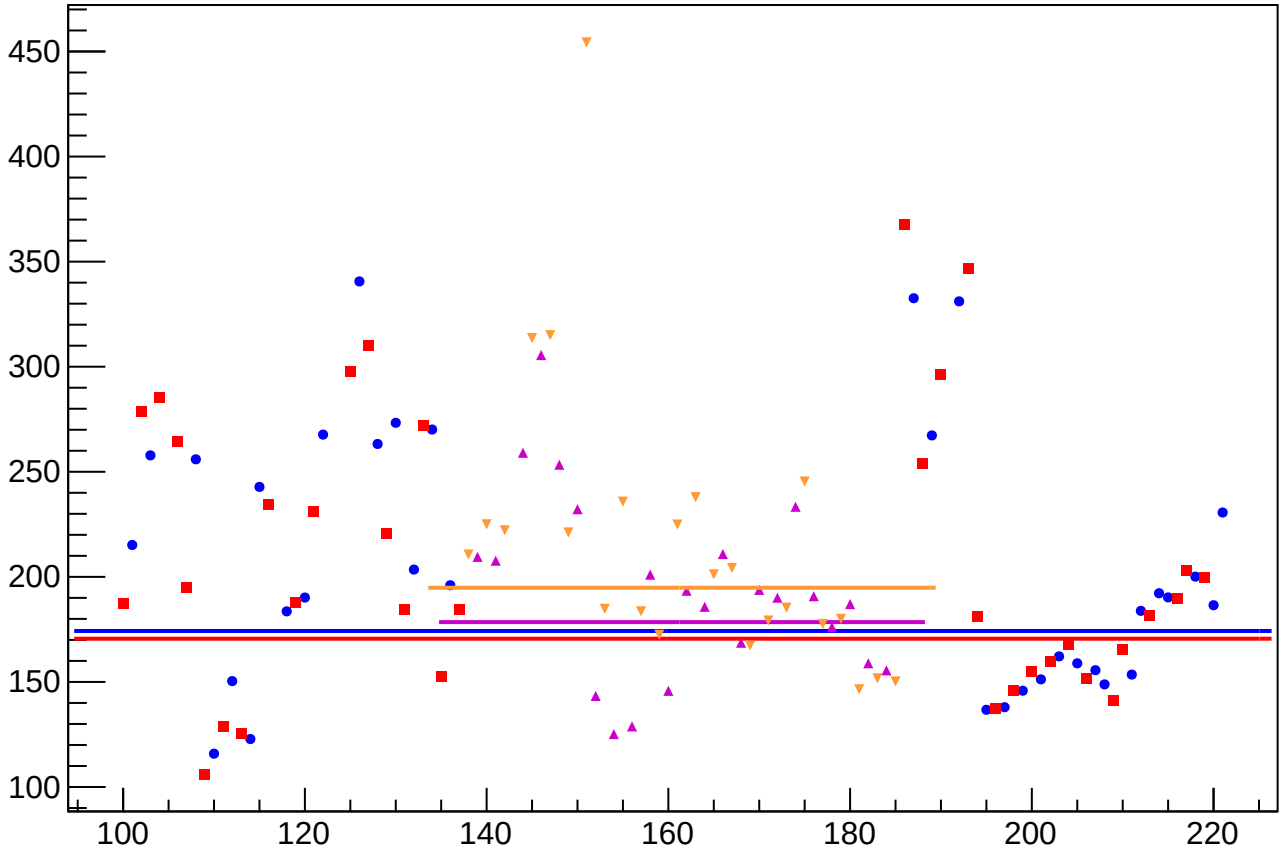
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -81.610+/-29.794 χ^2/NDF: 85.9/57

All: 10.377+/-20.815 χ^2/NDF: 199.2/115

- sign 98.081+/-29.092 χ^2/NDF: 94.7/57

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 174.253+/-0.027 χ^2/NDF: 2488785.0/33

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 170.576+/-0.028 χ^2/NDF: 2929160.8/34

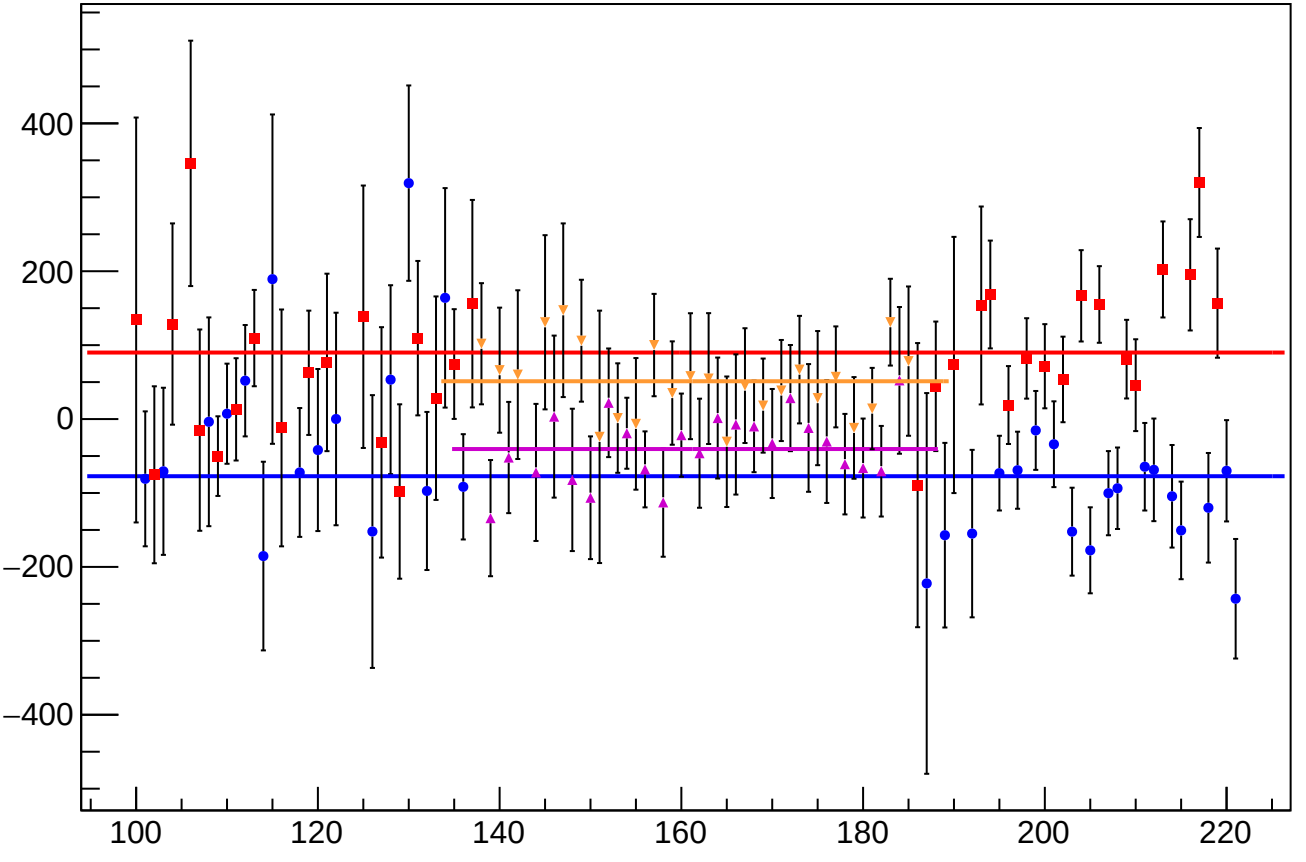
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 182.546+/-0.021 χ^2/NDF: 4470761.0/57

All: 178.218+/-0.015 χ^2/NDF: 9195043.1/115

- sign 174.092+/-0.021 χ^2/NDF: 4641849.9/57

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -77.308+/-13.218 χ^2/NDF: 34.2/33

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 89.989+/-13.416 χ^2/NDF: 41.4/34

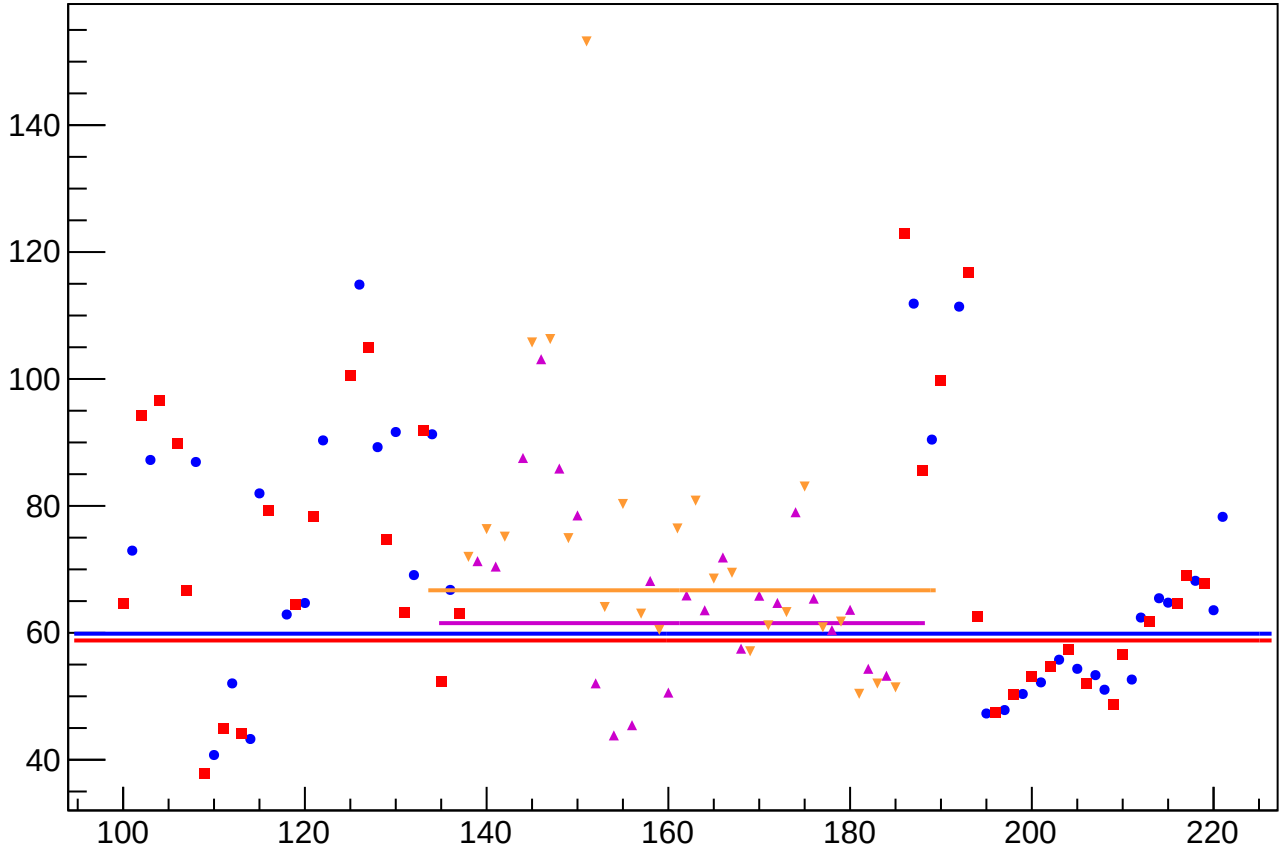
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -25.340+/-10.200 χ^2/NDF: 80.5/57

All: 3.855+/-7.138 χ^2/NDF: 187.9/115

- sign 31.880+/-9.993 χ^2/NDF: 91.4/57

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.866+/-0.009 χ^2/NDF: 2325340.7/33

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.798+/-0.009 χ^2/NDF: 2714046.1/34

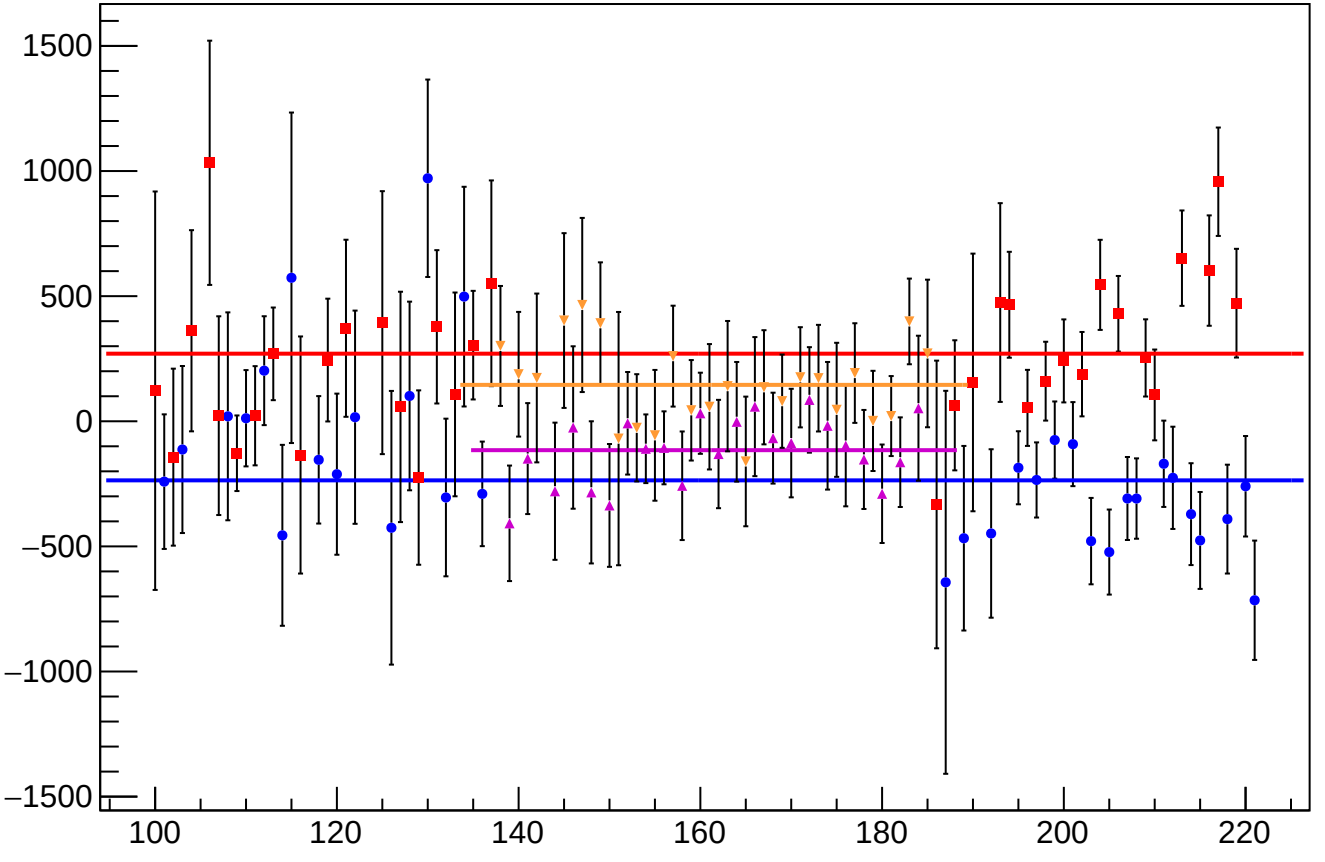
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.632+/-0.007 χ^2/NDF: 4218138.1/57

All: 61.296+/-0.005 χ^2/NDF: 8526121.9/115

- sign 60.014+/-0.007 χ^2/NDF: 4240770.8/57

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -236.124+/-38.514 χ^2/NDF: 36.7/33

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 270.151+/-39.007 χ^2/NDF: 43.8/34

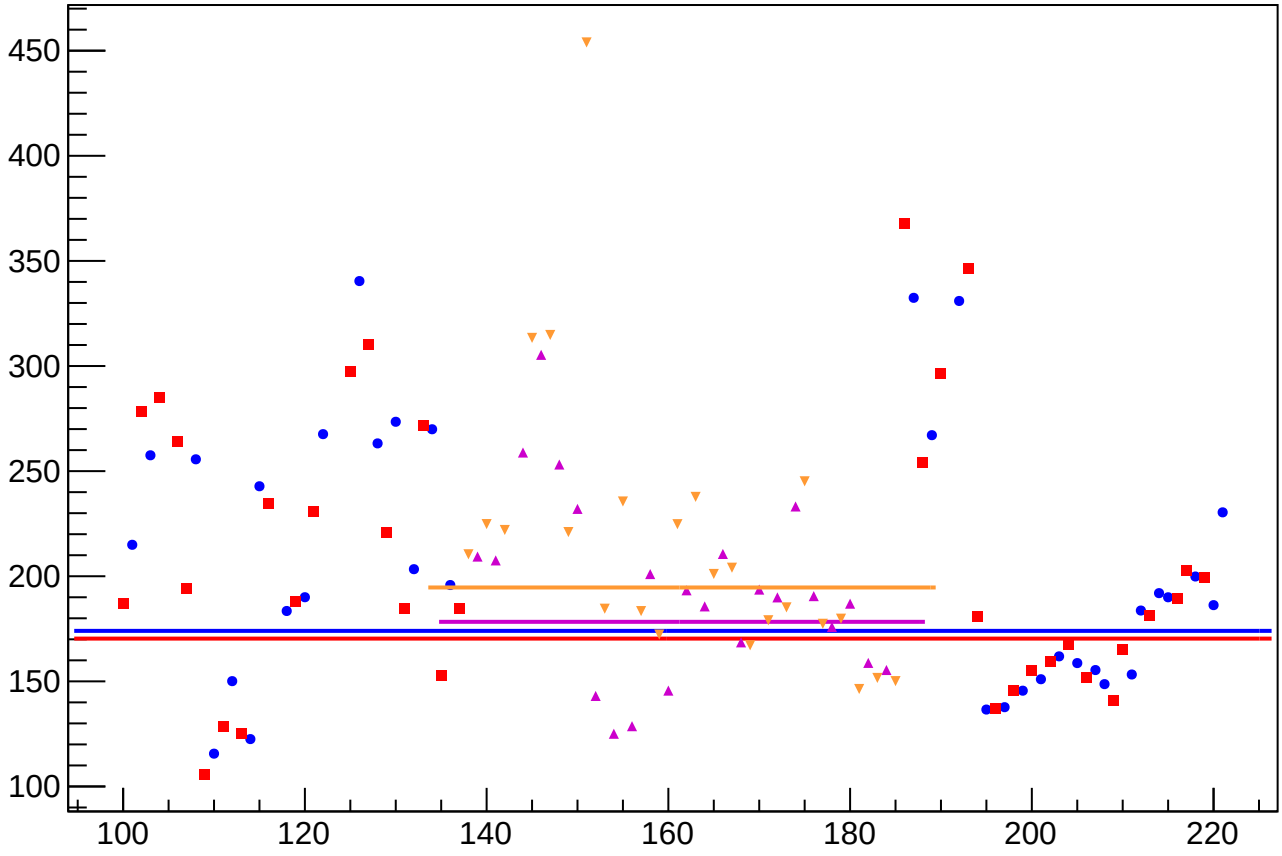
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -82.386+/-29.762 χ^2/NDF: 86.5/57

All: 10.246+/-20.793 χ^2/NDF: 200.5/115

- sign 98.570+/-29.061 χ^2/NDF: 95.1/57

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 174.019+/-0.027 χ^2/NDF: 2495680.5/33

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.342+/-0.028 χ^2/NDF: 2937931.6/34

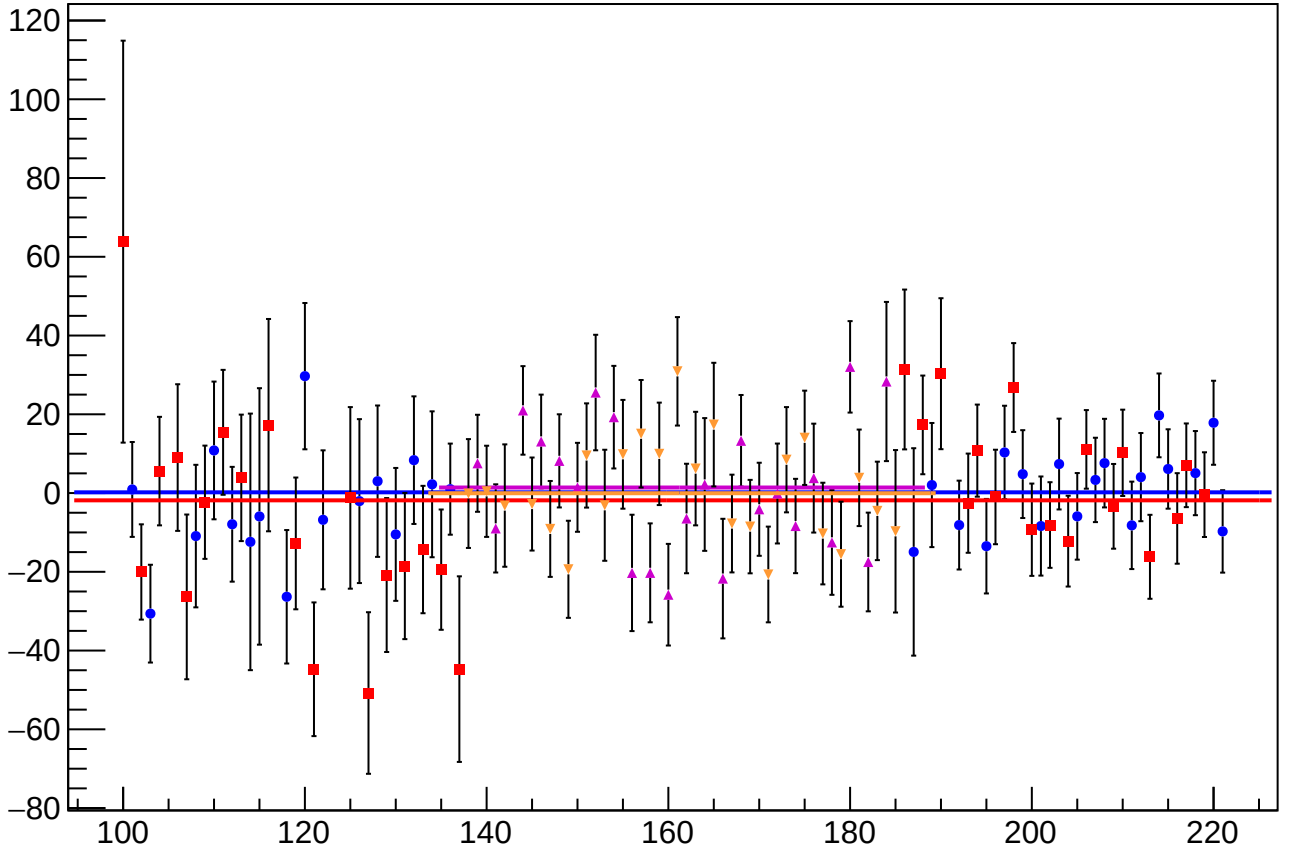
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 182.334+/-0.021 χ^2/NDF: 4480219.5/57

All: 178.012+/-0.015 χ^2/NDF: 9216101.5/115

- sign 173.891+/-0.021 χ^2/NDF: 4653475.4/57

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: 0.184+/-2.269 χ^2/NDF: 26.3/33

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.851+/-2.341 χ^2/NDF: 49.8/34

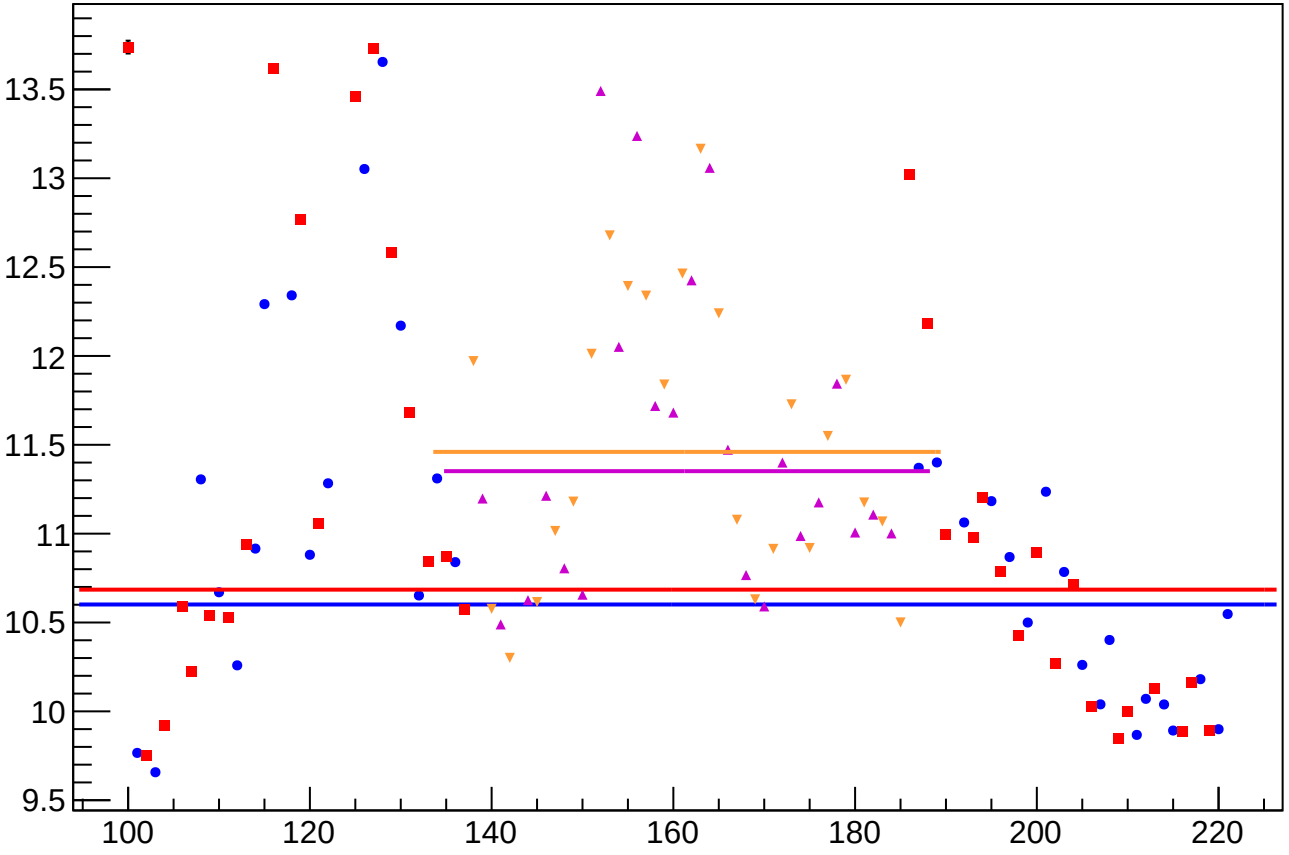
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.088+/-1.733 χ^2/NDF: 46.7/57

All: -0.170+/-1.235 χ^2/NDF: 133.8/115

- sign -0.437+/-1.761 χ^2/NDF: 87.0/57

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.601+/-0.002 χ^2/NDF: 224930.6/33

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.685+/-0.002 χ^2/NDF: 306057.9/34

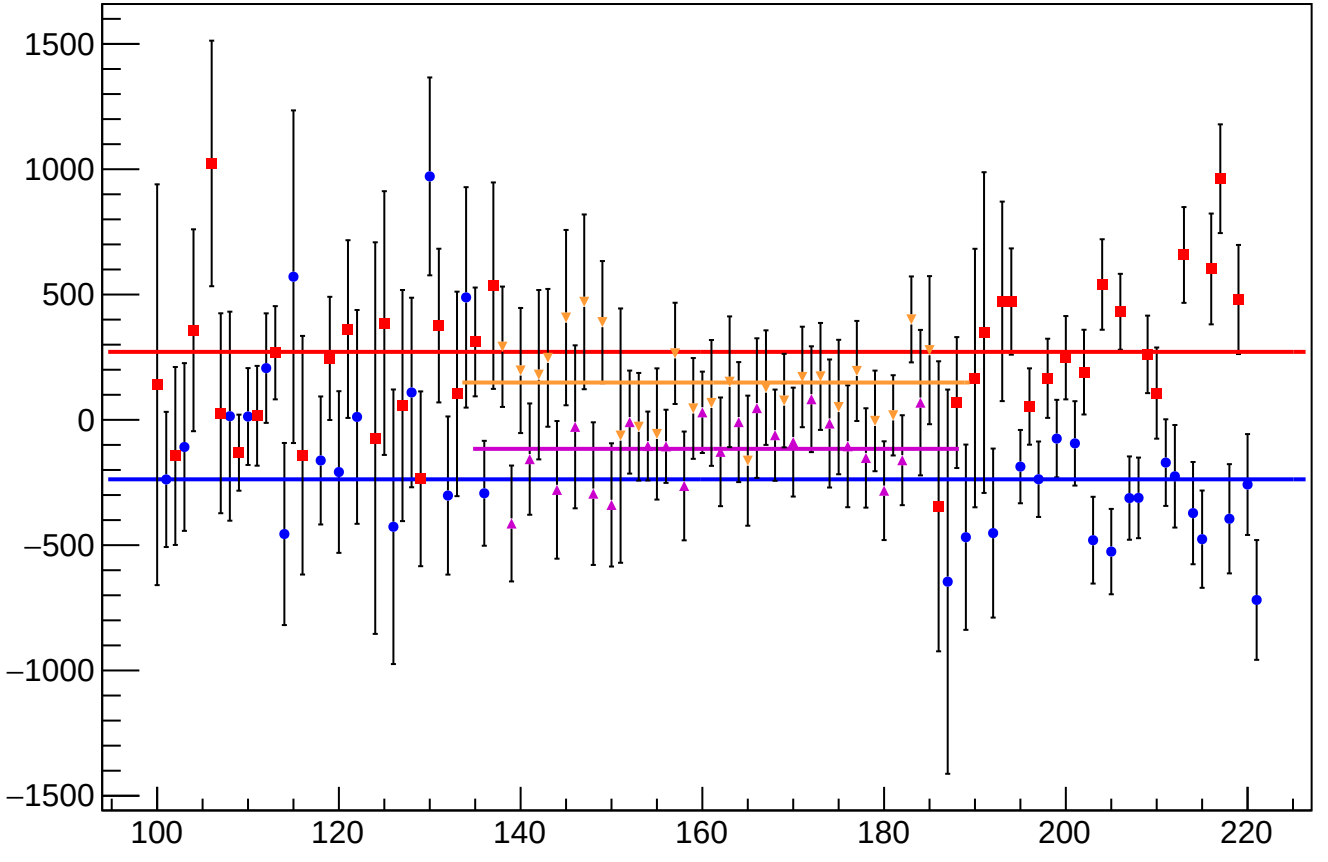
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.959+/-0.001 χ^2/NDF: 494686.8/57

All: 10.967+/-0.001 χ^2/NDF: 1041795.4/115

- sign 10.974+/-0.001 χ^2/NDF: 547034.8/57

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -237.287+/-38.610 χ^2/NDF: 36.7/33

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 271.248+/-38.988 χ^2/NDF: 44.2/36

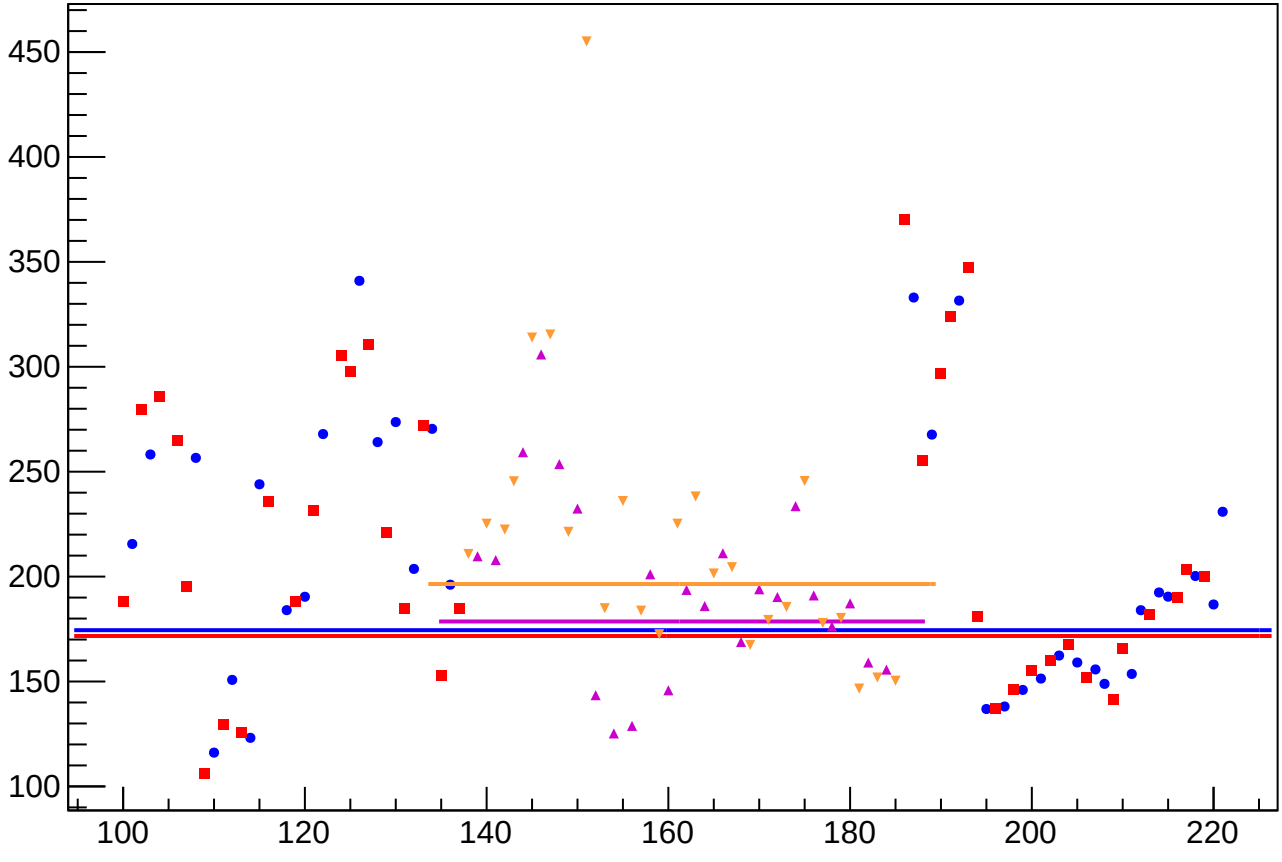
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -78.909+/-29.654 χ^2/NDF: 88.3/58

All: 12.049+/-20.761 χ^2/NDF: 202.4/118

- sign 99.489+/-29.075 χ^2/NDF: 95.7/59

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 174.460+/-0.027 χ^2/NDF: 2490427.4/33

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

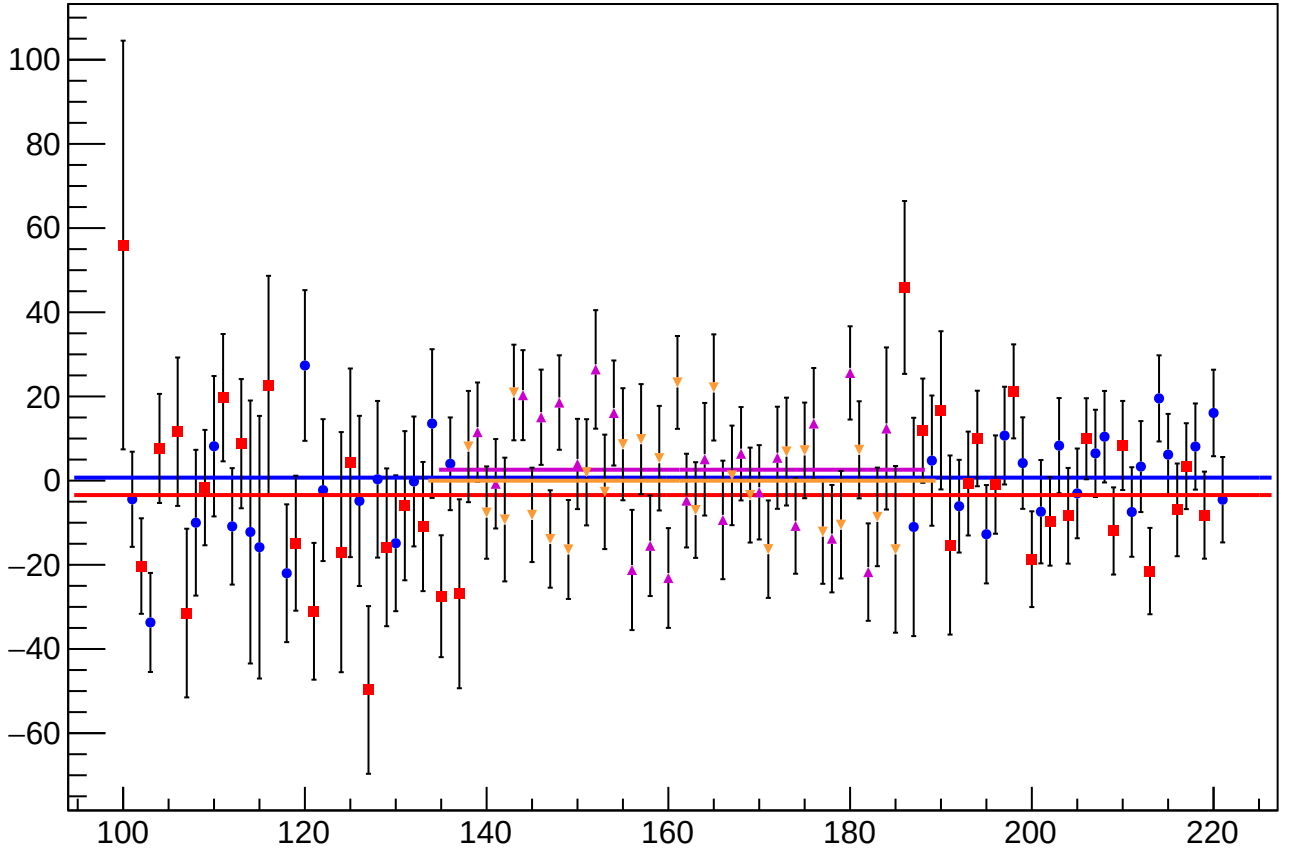
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 183.480+/-0.021 χ^2/NDF: 4575325.5/58

All: 179.039+/-0.015 χ^2/NDF: 9477499.7/118

- sign 174.770+/-0.021 χ^2/NDF: 4814203.6/59

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: 0.712+/-2.188 χ^2/NDF: 28.6/33

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.428+/-2.238 χ^2/NDF: 50.0/36

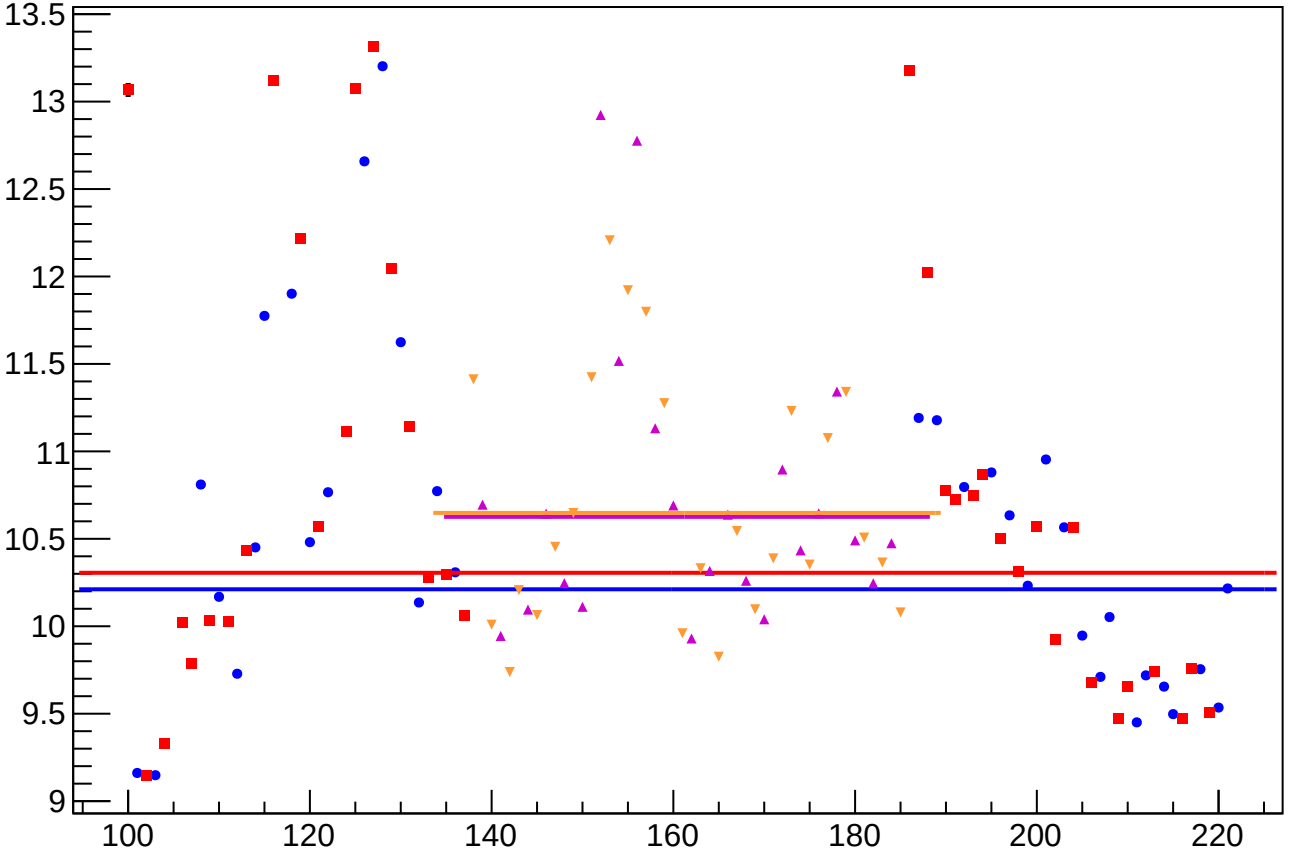
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

\+ sign 0.388+/-1.630 χ^2/NDF: 52.4/58

All: -0.171+/-1.166 χ^2/NDF: 140.6/118

\- sign -0.757+/-1.669 χ^2/NDF: 87.9/59

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.211+/-0.002 χ^2/NDF: 250948.8/33

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

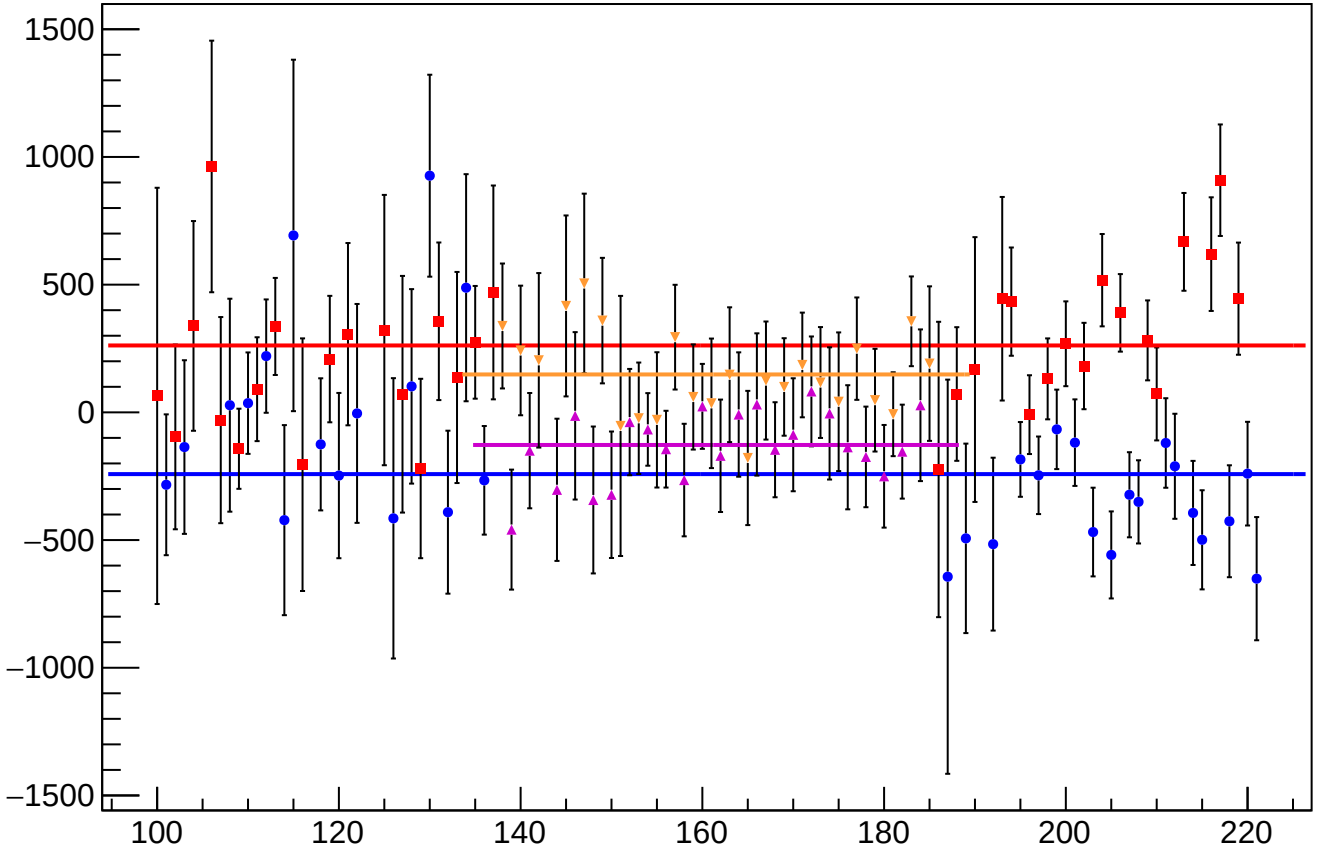
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.406+/-0.001 χ^2/NDF: 429952.4/58

All: 10.426+/-0.001 χ^2/NDF: 959283.5/118

- sign 10.448+/-0.001 χ^2/NDF: 528680.6/59

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -241.781+/-38.911 χ^2/NDF: 37.6/33

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 261.932+/-39.458 χ^2/NDF: 41.1/34

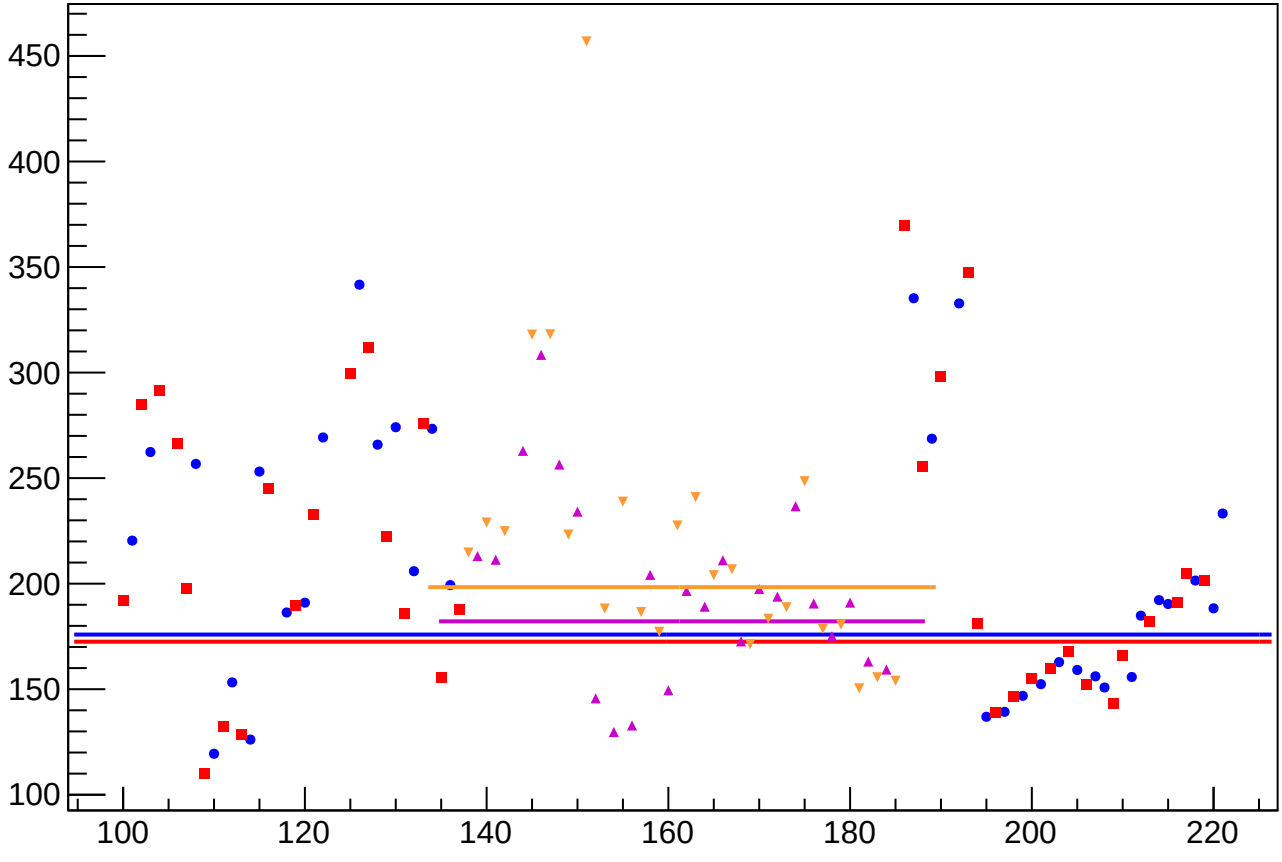
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -85.945+/-30.157 χ^2/NDF: 87.6/57

All: 4.013+/-21.089 χ^2/NDF: 197.0/115

\- sign 90.107+/-29.502 χ^2/NDF: 91.9/57

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 175.884+/-0.028 χ^2/NDF: 2473081.4/33

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 172.518+/-0.028 χ^2/NDF: 2866746.7/34

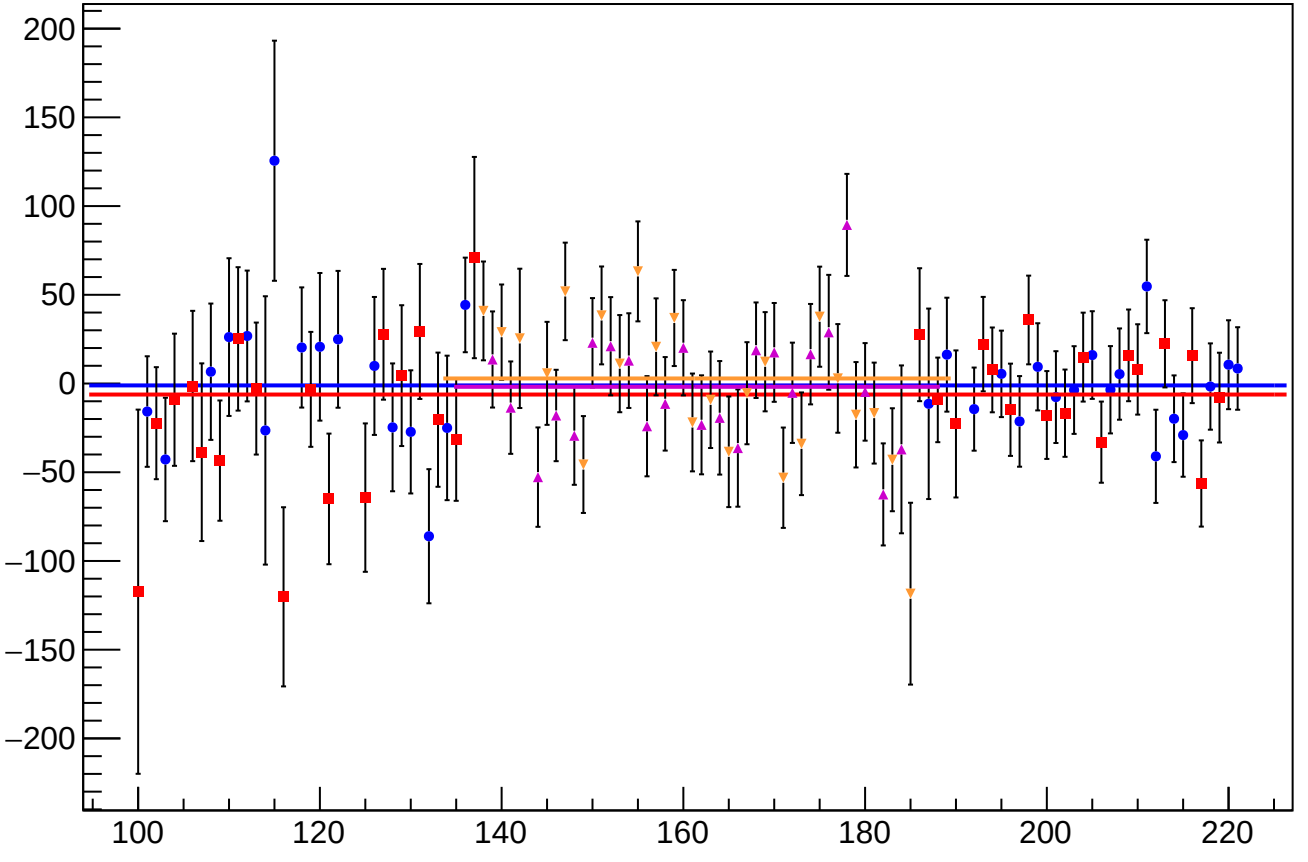
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.857+/-0.021 χ^2/NDF: 4436415.0/57

All: 180.722+/-0.015 χ^2/NDF: 9013632.7/115

- sign 176.766+/-0.021 χ^2/NDF: 4503657.0/57

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.064+/-5.081 χ^2/NDF: 28.1/33

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.205+/-5.200 χ^2/NDF: 32.8/34

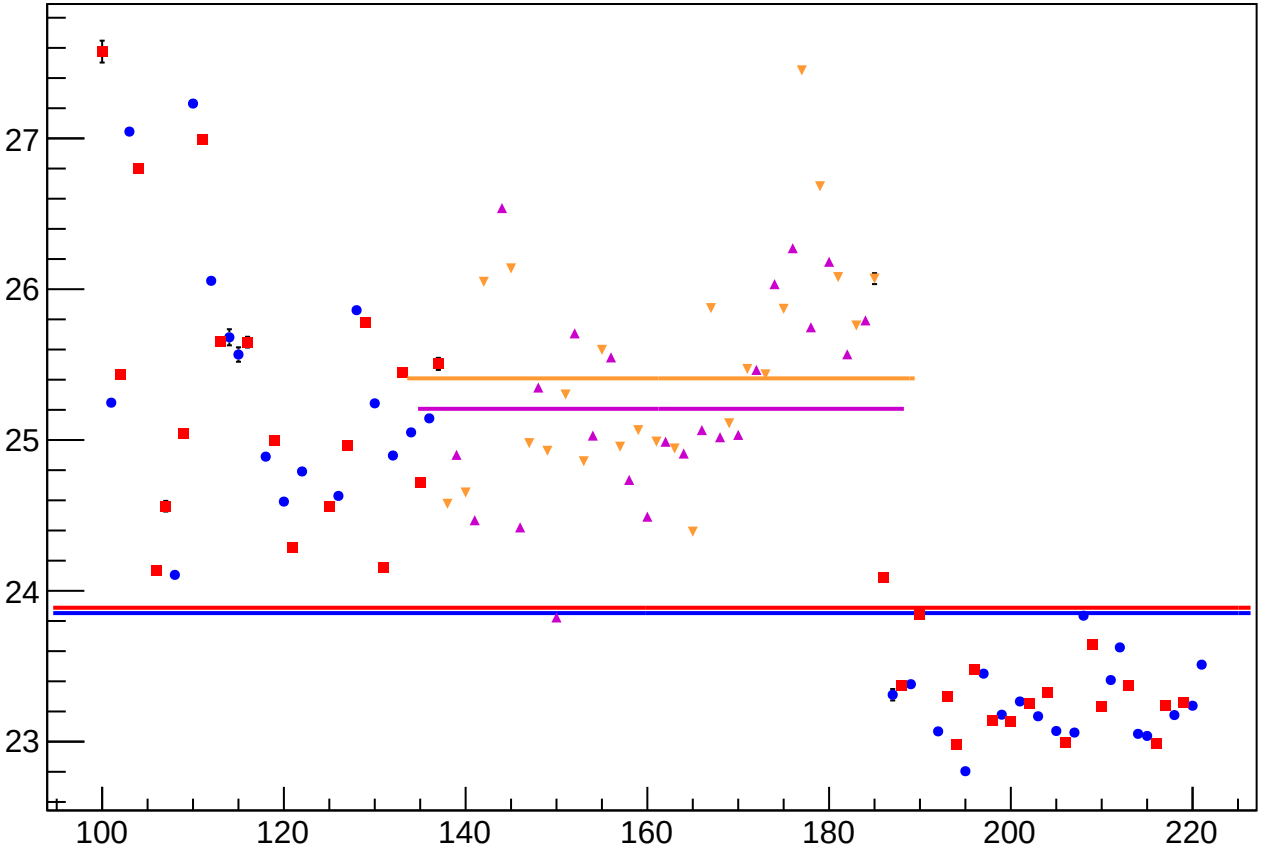
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.602+/-3.851 χ^2/NDF: 65.3/57

All: -1.818+/-2.740 χ^2/NDF: 127.3/115

- sign -4.298+/-3.899 χ^2/NDF: 61.2/57

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.852+/-0.004 χ^2/NDF: 87650.4/33

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.888+/-0.004 χ^2/NDF: 78410.4/34

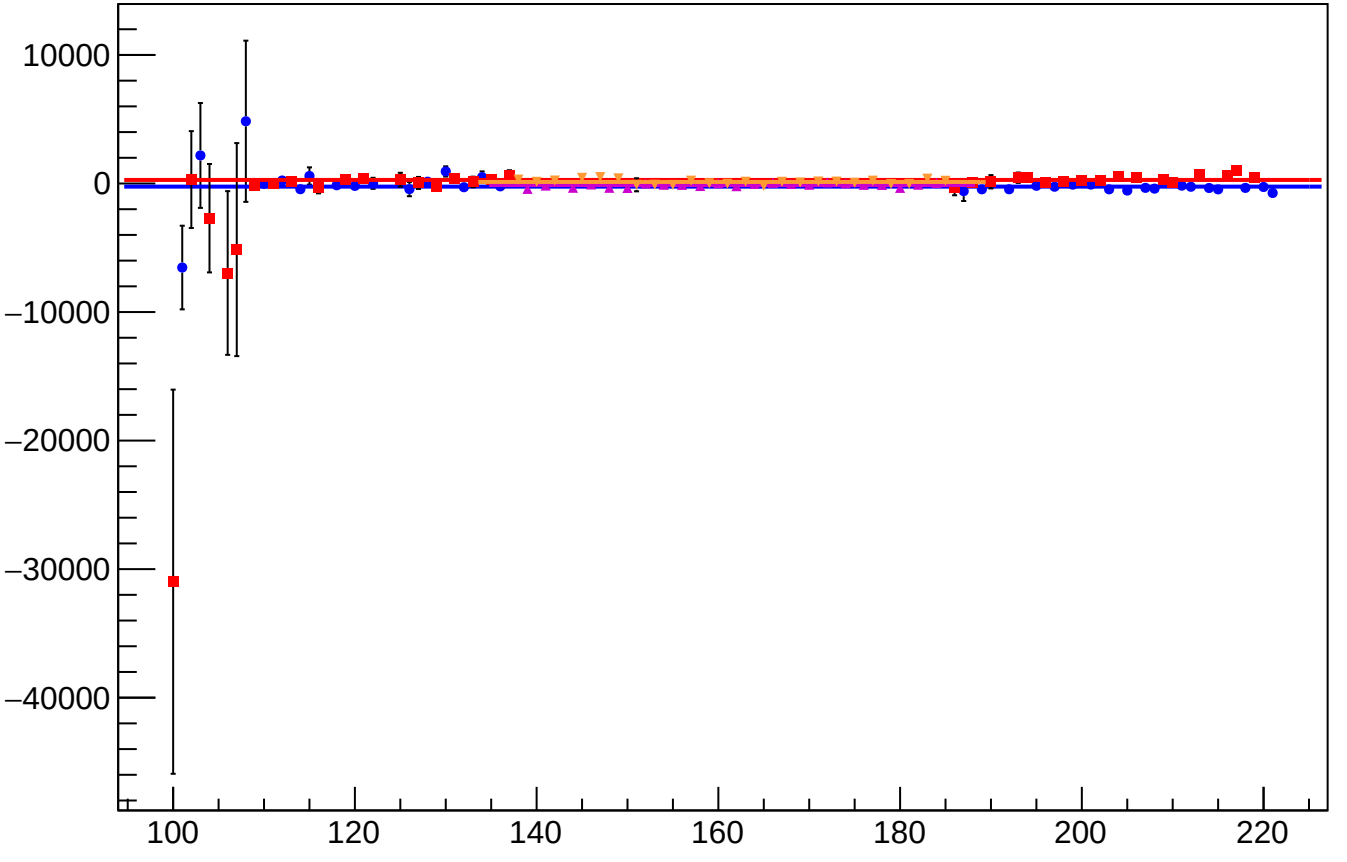
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.515+/-0.003 χ^2/NDF: 194358.8/57

All: 24.490+/-0.002 χ^2/NDF: 355082.0/115

- sign 24.465+/-0.003 χ^2/NDF: 160561.7/57

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -242.751+/-40.315 χ^2/NDF: 40.1/33

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 277.772+/-41.370 χ^2/NDF: 47.2/34

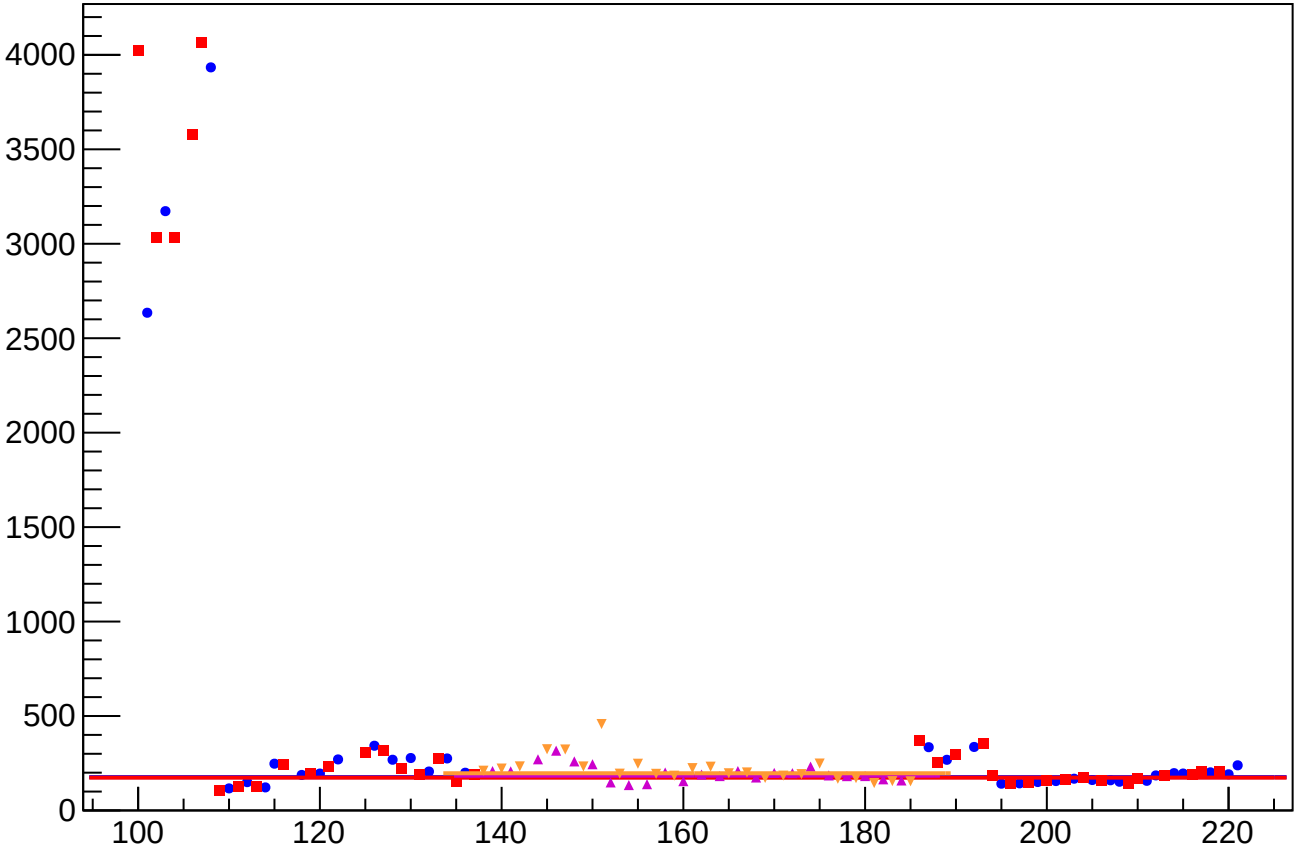
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -90.542+/-30.721 χ^2/NDF: 86.0/57

All: 3.926+/-21.604 χ^2/NDF: 202.1/115

- sign 96.365+/-30.389 χ^2/NDF: 97.4/57

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 176.412+/-0.029 χ^2/NDF: 5129681.4/33

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.722+/-0.029 χ^2/NDF: 5544659.3/34

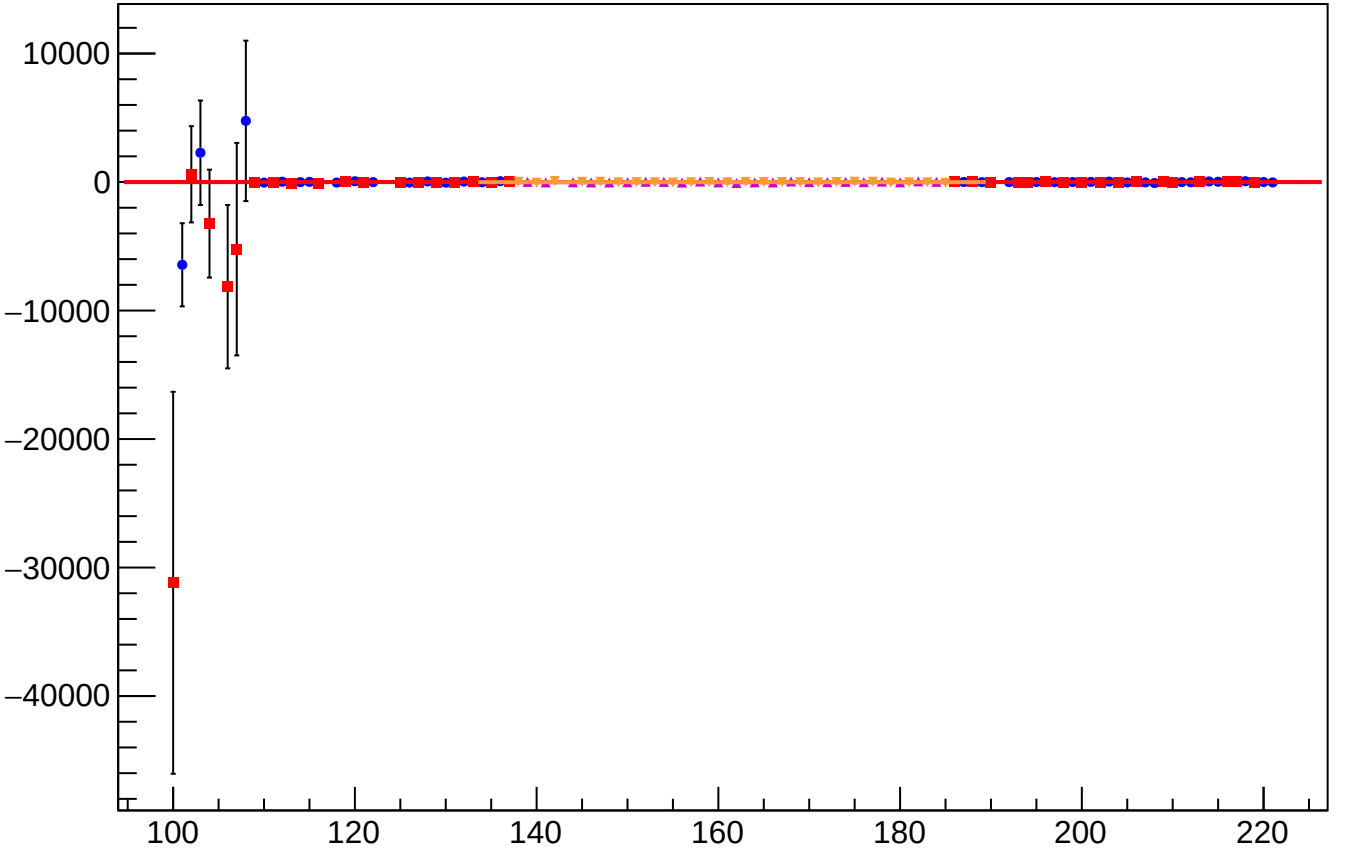
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 185.018+/-0.022 χ^2/NDF: 7156282.2/57

All: 181.712+/-0.015 χ^2/NDF: 14249601.6/11

- sign 178.477+/-0.021 χ^2/NDF: 7047490.3/57

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 0.545+/-6.048 χ^2/NDF: 39.2/33

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -2.645+/-6.269 χ^2/NDF: 40.9/34

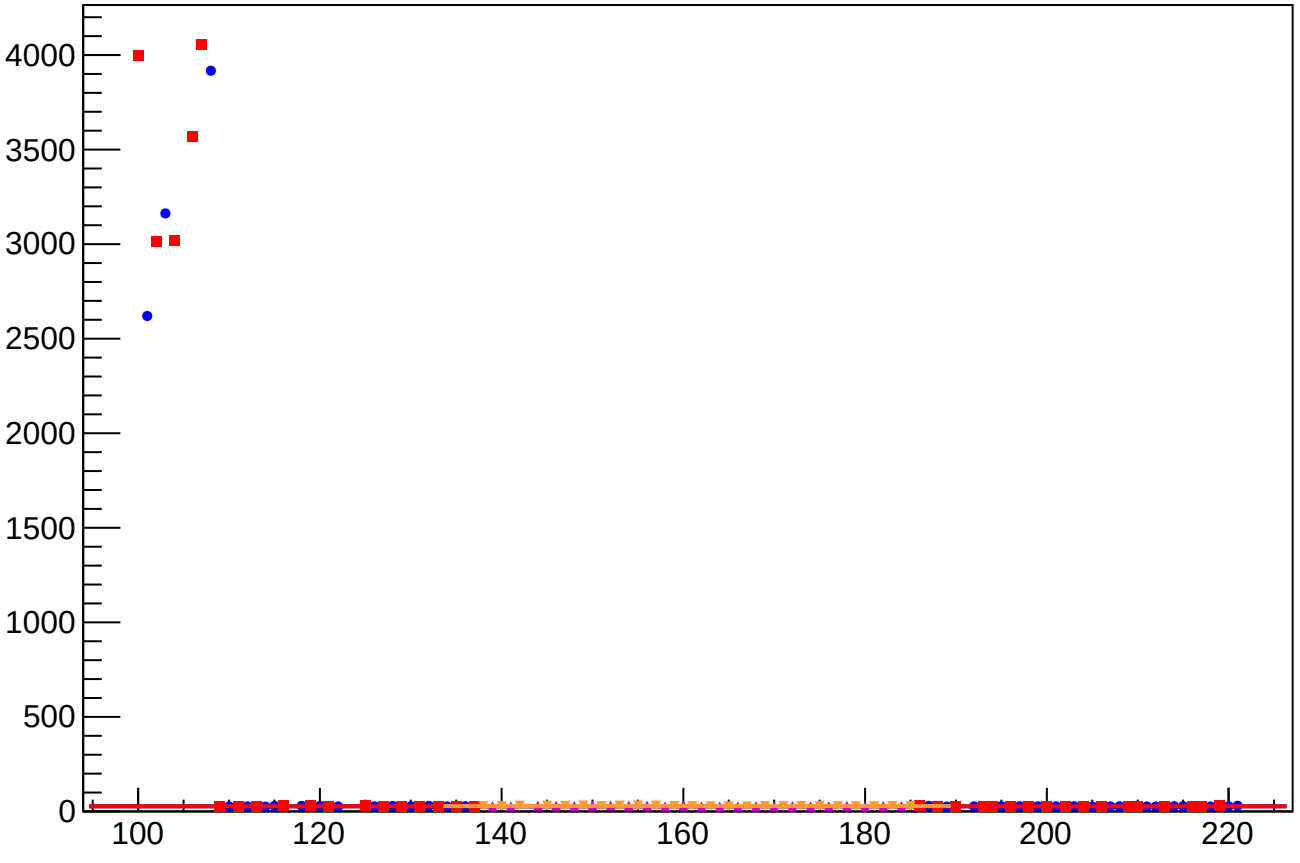
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -4.729+/-4.475 χ^2/NDF: 58.4/57

All: -3.698+/-3.204 χ^2/NDF: 121.6/115

- sign -2.613+/-4.588 χ^2/NDF: 63.1/57

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.317+/-0.004 χ^2/NDF: 3312689.9/33

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.322+/-0.004 χ^2/NDF: 3625054.1/34

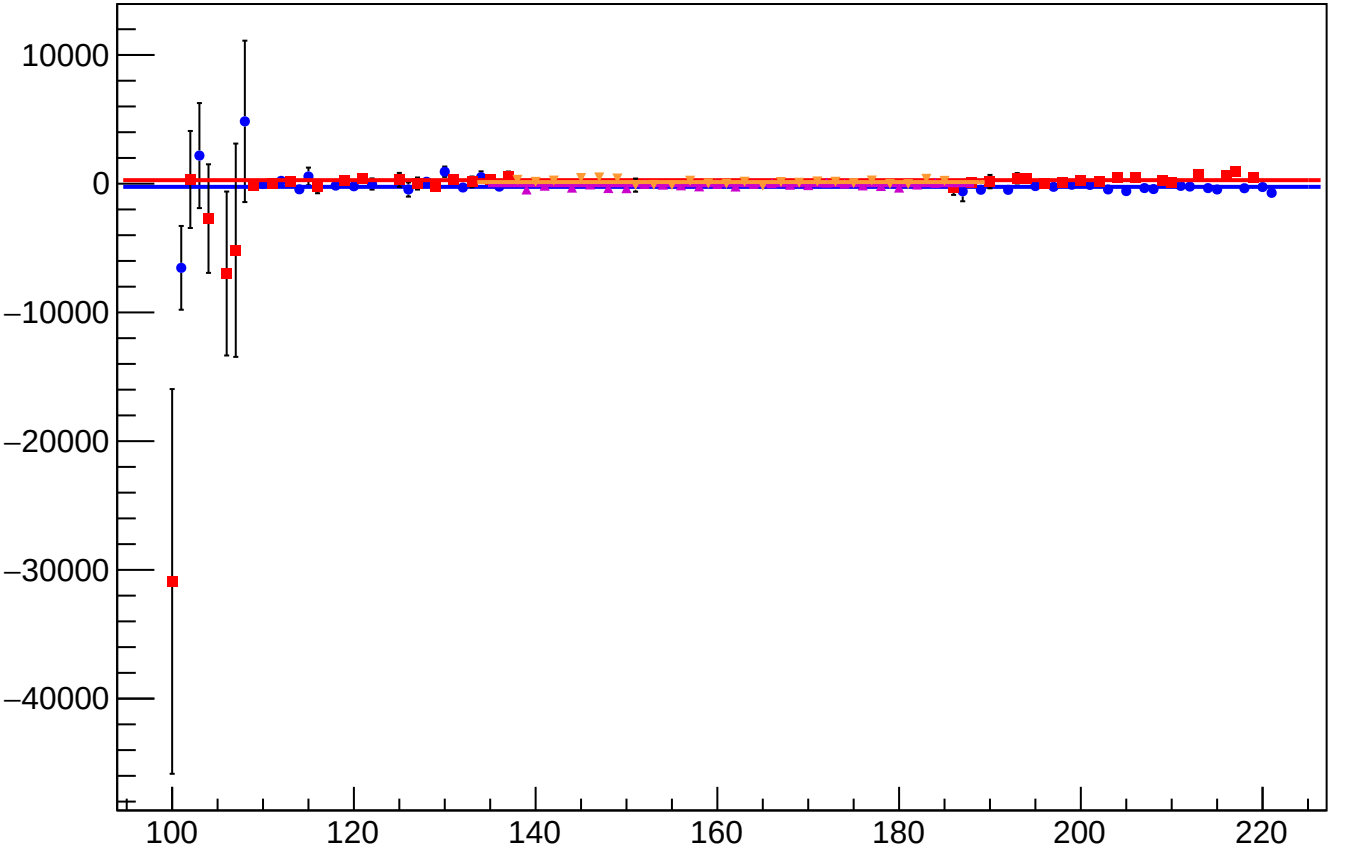
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.894+/-0.003 χ^2/NDF: 3433896.9/57

All: 27.934+/-0.002 χ^2/NDF: 7233353.9/115

\- sign 27.975+/-0.003 χ^2/NDF: 3799141.3/57

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -245.780+/-40.485 χ^2/NDF: 39.7/33

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 274.975+/-41.534 χ^2/NDF: 45.5/34

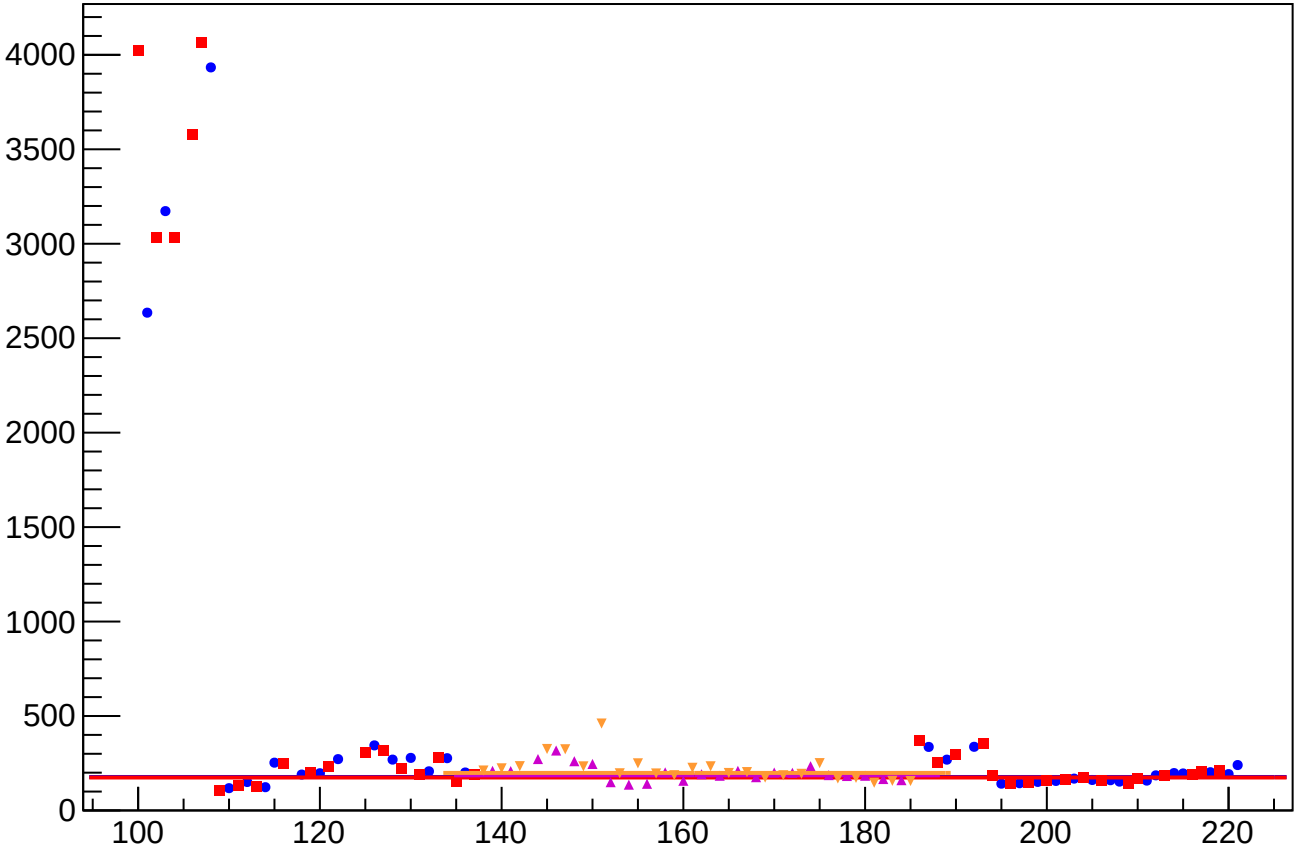
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -90.525+/-30.908 χ^2/NDF: 86.5/57

All: 2.136+/-21.739 χ^2/NDF: 199.8/115

- sign 92.859+/-30.583 χ^2/NDF: 95.5/57

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 177.175+/-0.029 χ^2/NDF: 5124879.3/33

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.453+/-0.029 χ^2/NDF: 5532036.3/34

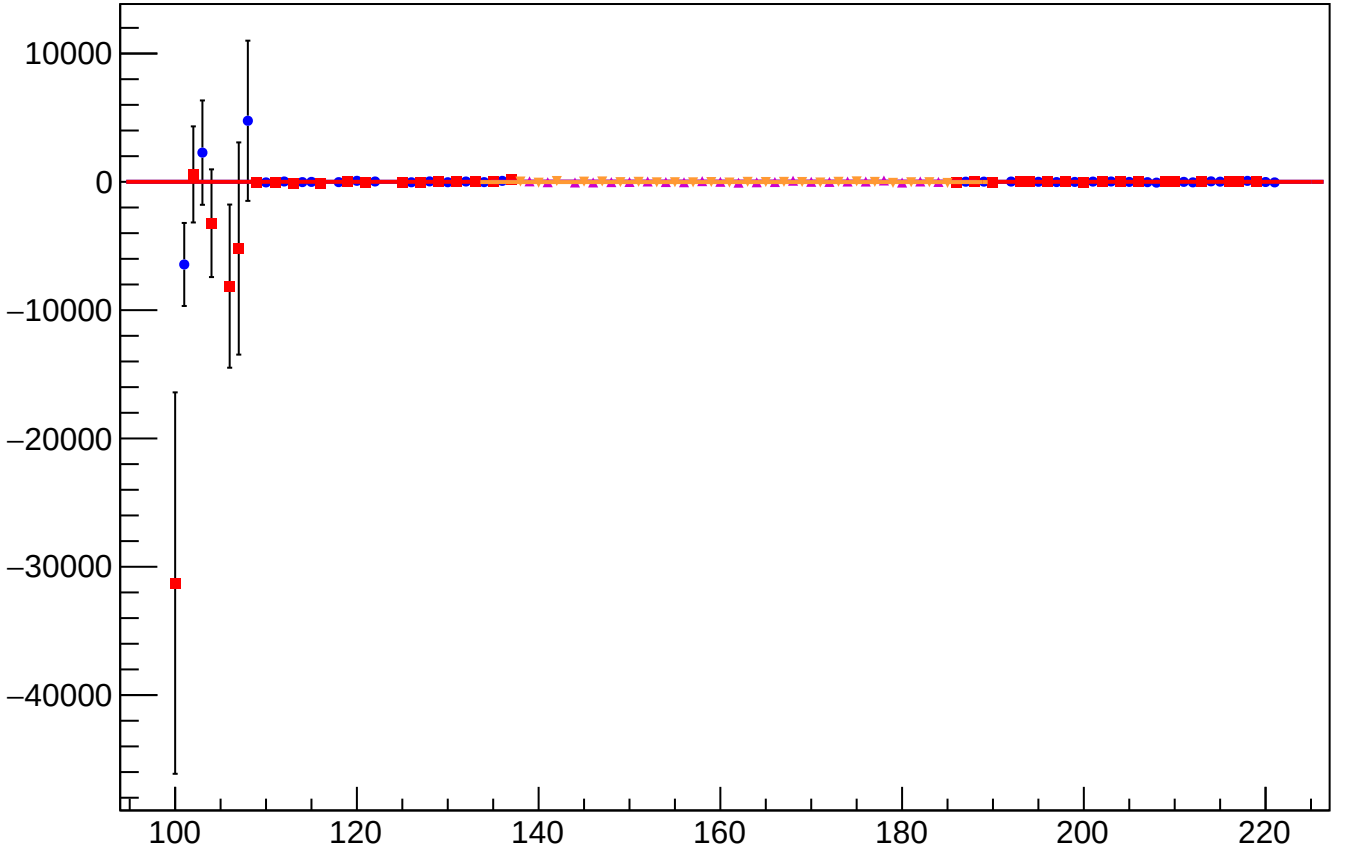
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 186.170+/-0.022 χ^2/NDF: 7147939.7/57

All: 182.891+/-0.015 χ^2/NDF: 14199246.6/11

- sign 179.681+/-0.022 χ^2/NDF: 7006763.8/57

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 4.341+/-6.661 χ^2/NDF: 34.0/33

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 2.332+/-6.910 χ^2/NDF: 45.0/34

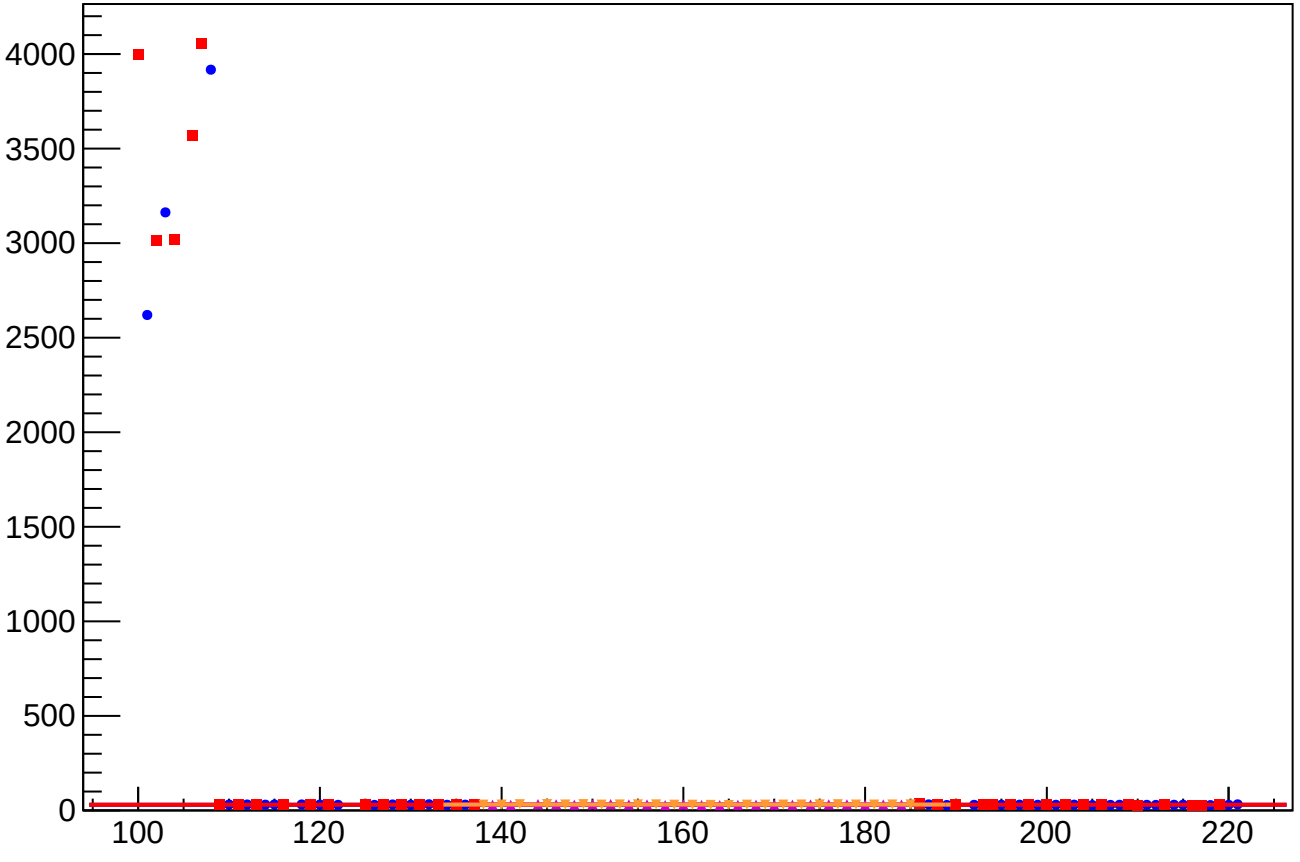
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -5.956+/-4.908 χ^2/NDF: 59.6/57

All: -1.830+/-3.514 χ^2/NDF: 141.5/115

- sign 2.509+/-5.034 χ^2/NDF: 80.5/57

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.094+/-0.005 χ^2/NDF: 3291931.0/33

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.136+/-0.005 χ^2/NDF: 3589735.4/34

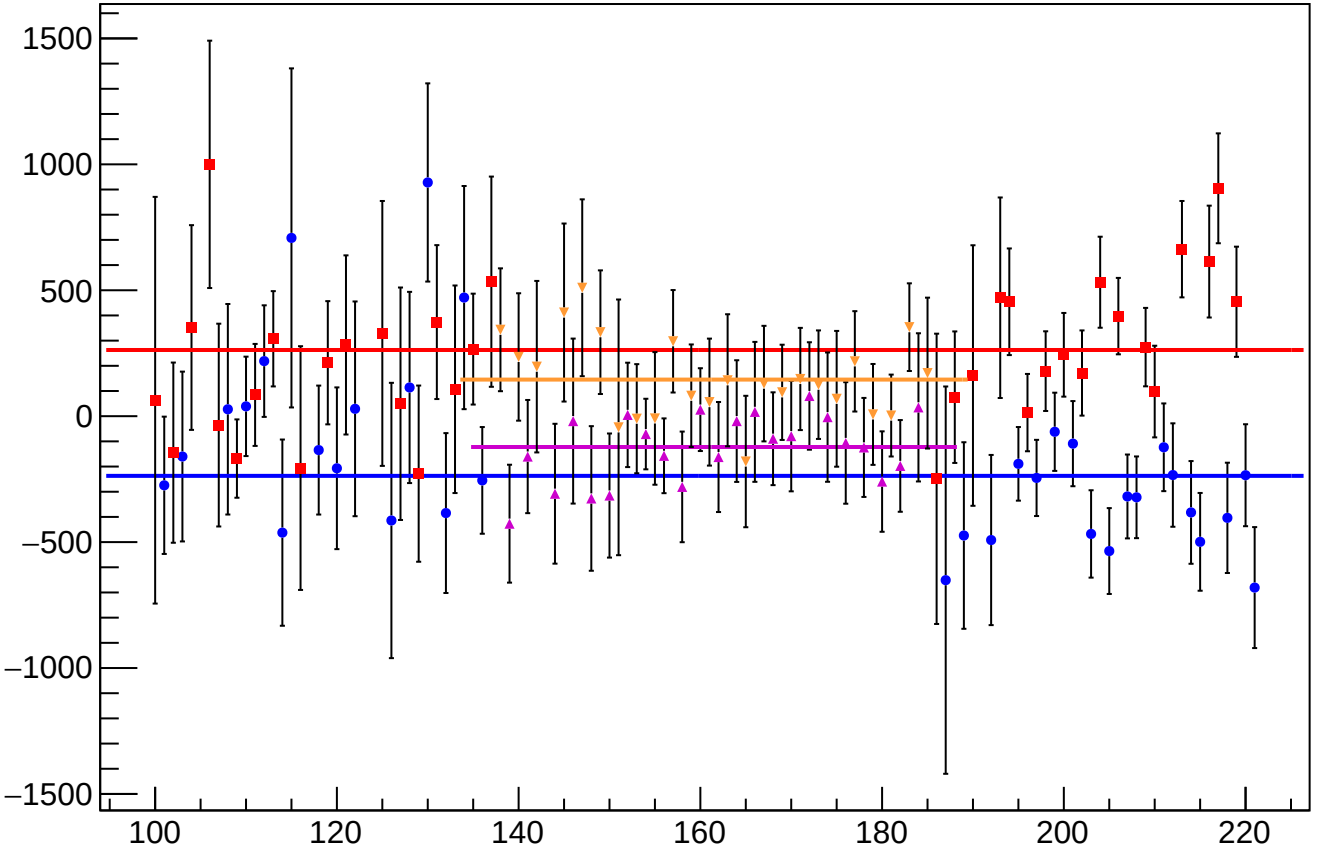
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.609+/-0.003 χ^2/NDF: 3365536.1/57

All: 30.663+/-0.002 χ^2/NDF: 7071398.5/115

- sign 30.719+/-0.004 χ^2/NDF: 3705373.1/57

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -236.955+/-38.798 χ^2/NDF: 37.4/33

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 262.832+/-39.335 χ^2/NDF: 42.4/34

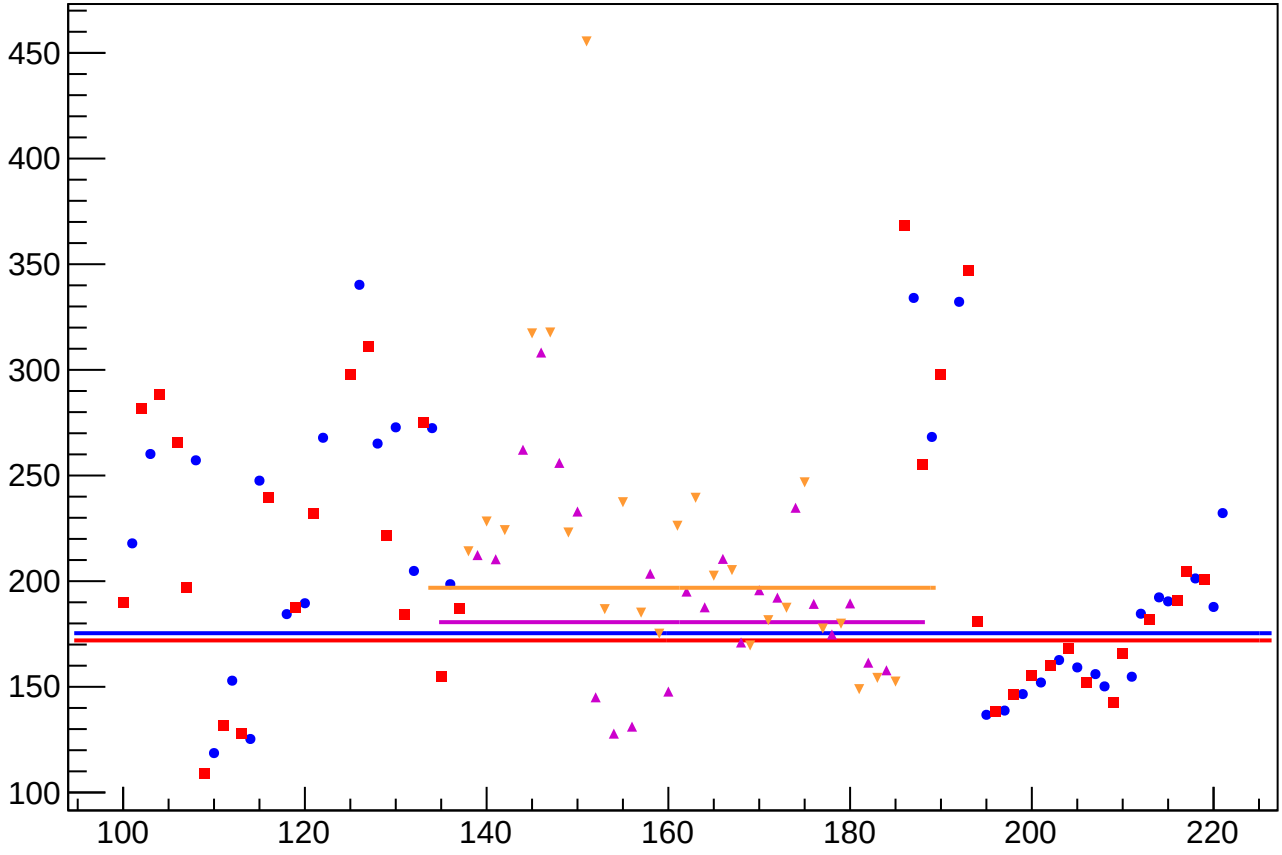
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -83.557+/-30.020 χ^2/NDF: 85.7/57

All: 6.242+/-20.986 χ^2/NDF: 196.0/115

\- sign 92.072+/-29.349 χ^2/NDF: 92.8/57

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 175.375+/-0.027 χ^2/NDF: 2466399.7/33

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 171.960+/-0.028 χ^2/NDF: 2865390.7/34

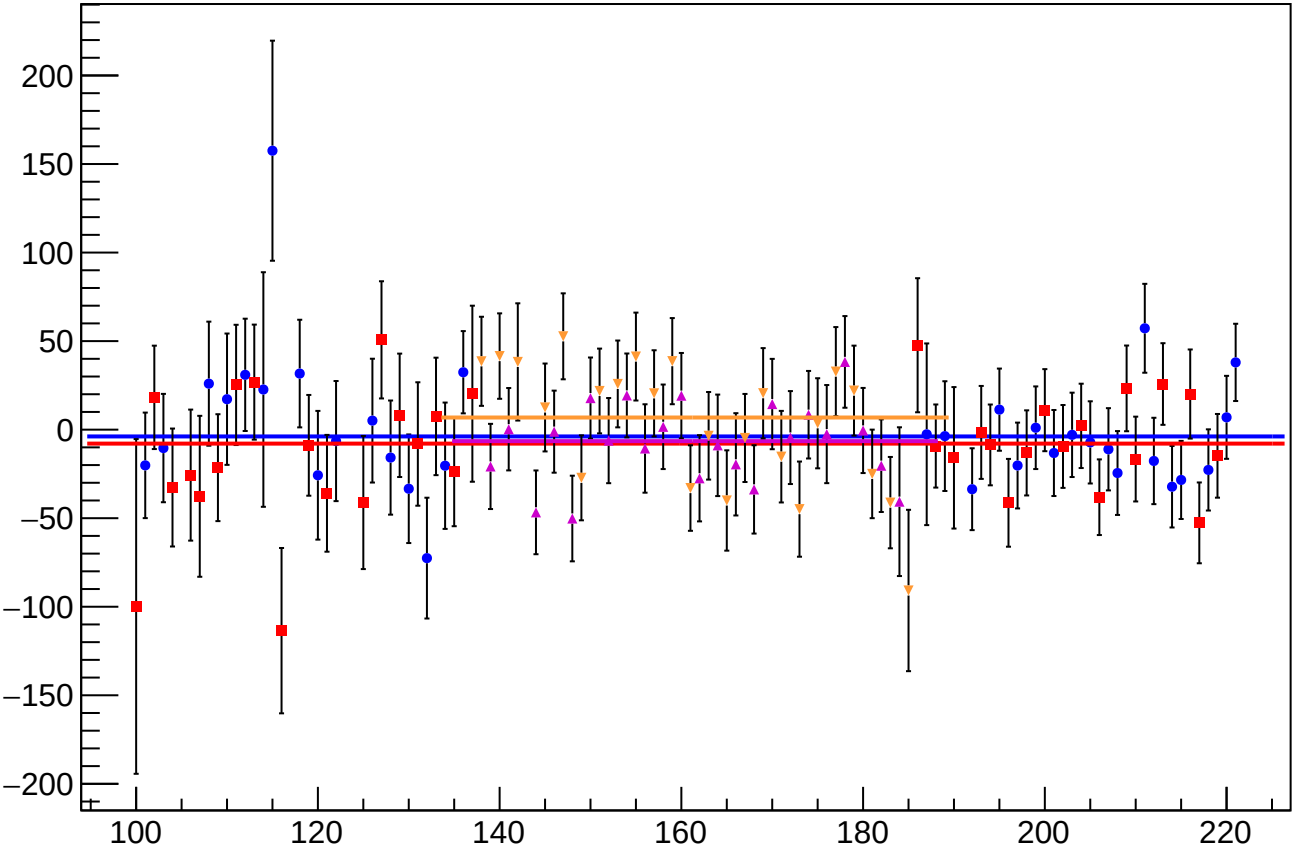
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 184.002+/-0.021 χ^2/NDF: 4437920.7/57

All: 179.804+/-0.015 χ^2/NDF: 9050668.6/115

- sign 175.791+/-0.021 χ^2/NDF: 4536247.8/57

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -3.831+/-4.716 χ^2/NDF: 36.3/33

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.884+/-4.839 χ^2/NDF: 32.1/34

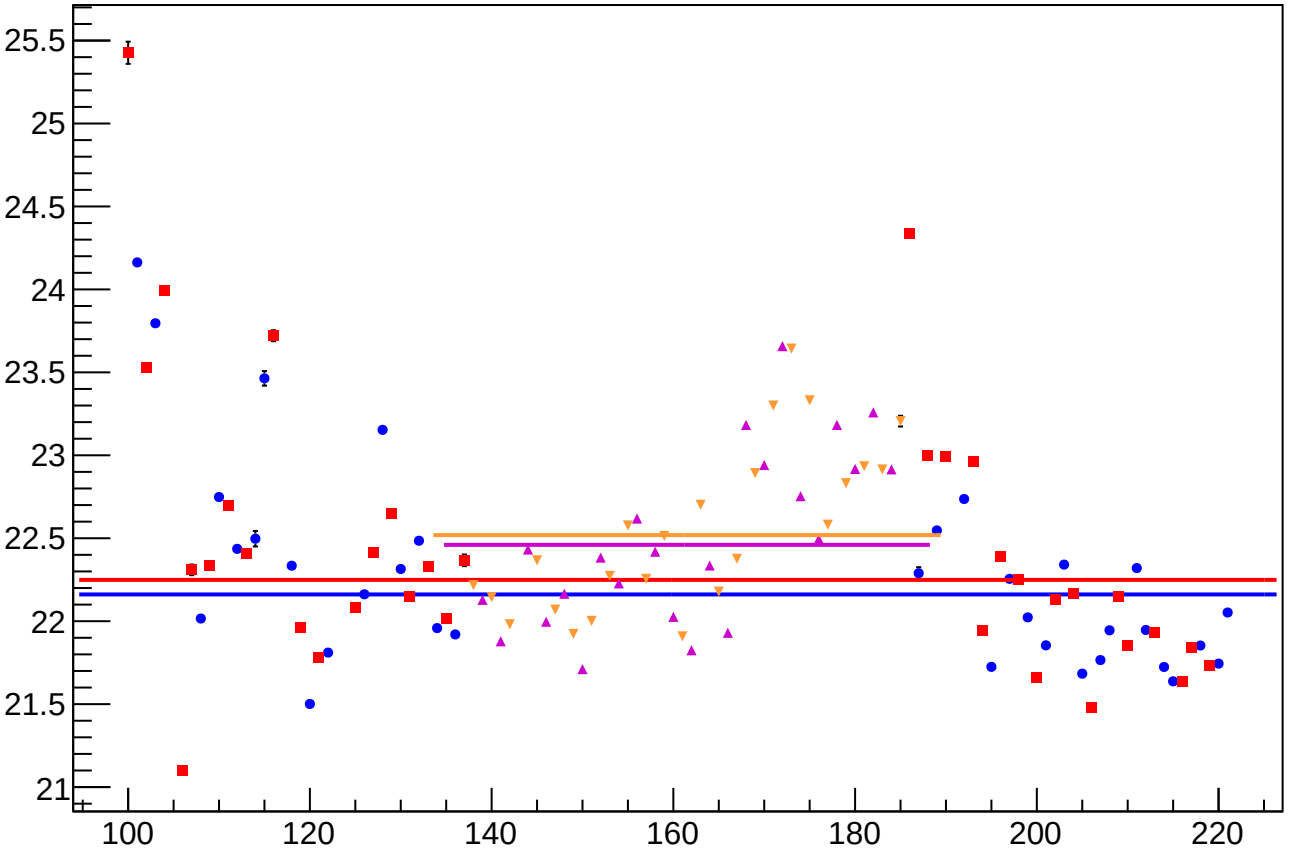
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.964+/-3.502 χ^2/NDF: 75.4/57

All: -3.074+/-2.496 χ^2/NDF: 127.7/115

- sign -7.239+/-3.557 χ^2/NDF: 49.6/57

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.161+/-0.003 χ^2/NDF: 27220.7/33

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.249+/-0.003 χ^2/NDF: 35471.0/34

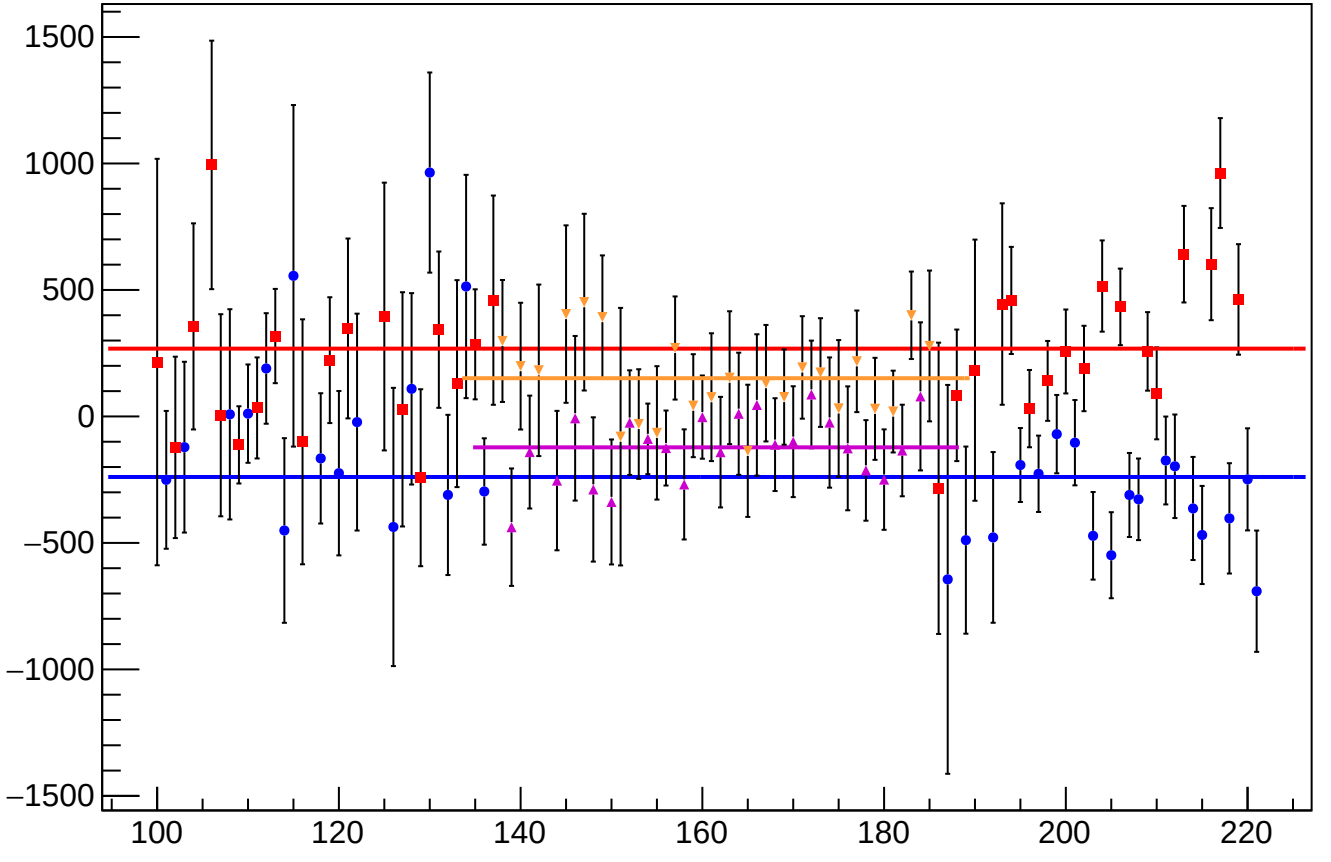
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.322+/-0.002 χ^2/NDF: 48379.7/57

All: 22.334+/-0.002 χ^2/NDF: 104766.4/115

- sign 22.346+/-0.003 χ^2/NDF: 56339.1/57

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -239.397+/-38.687 χ^2/NDF: 36.2/33

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 268.017+/-39.179 χ^2/NDF: 41.9/34

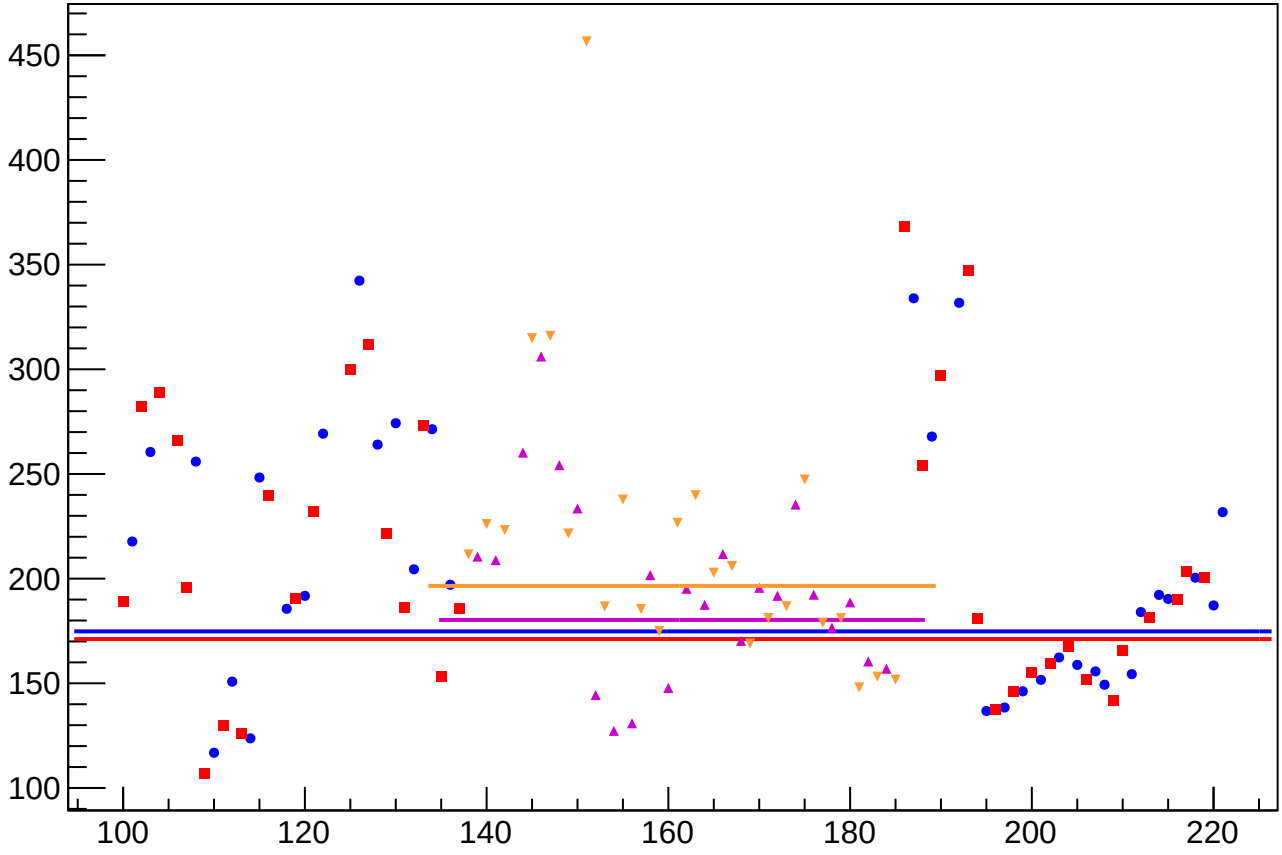
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -82.934+/-29.950 χ^2/NDF: 87.0/57

All: 8.351+/-20.930 χ^2/NDF: 198.3/115

- sign 95.492+/-29.262 χ^2/NDF: 93.2/57

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 174.799+/-0.027 χ^2/NDF: 2499114.6/33

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.115+/-0.028 χ^2/NDF: 2935242.9/34

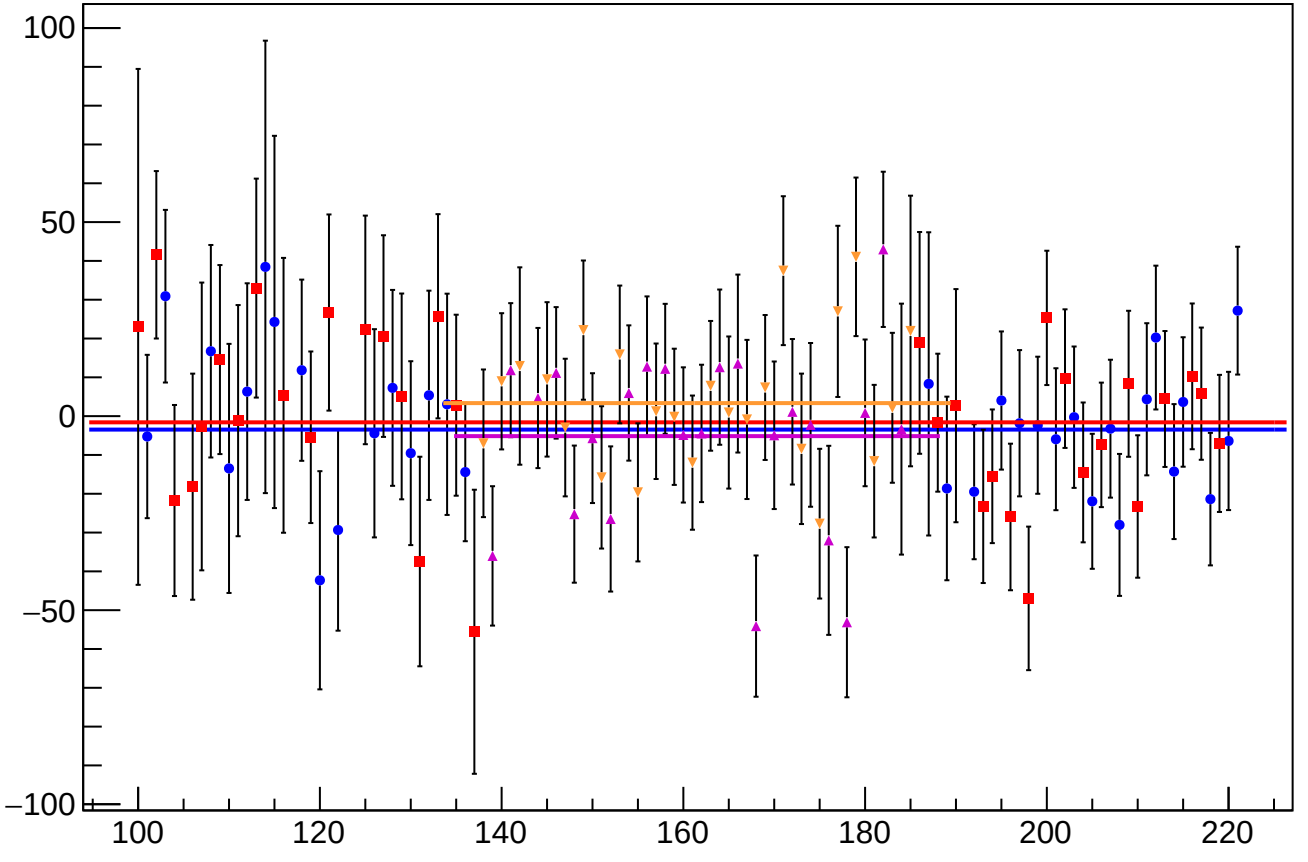
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 183.507+/-0.021 χ^2/NDF: 4479913.0/57

All: 179.239+/-0.015 χ^2/NDF: 9167554.6/115

\- sign 175.165+/-0.021 χ^2/NDF: 4608254.6/57

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -3.466+/-3.609 χ^2/NDF: 19.6/33

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.597+/-3.701 χ^2/NDF: 30.9/34

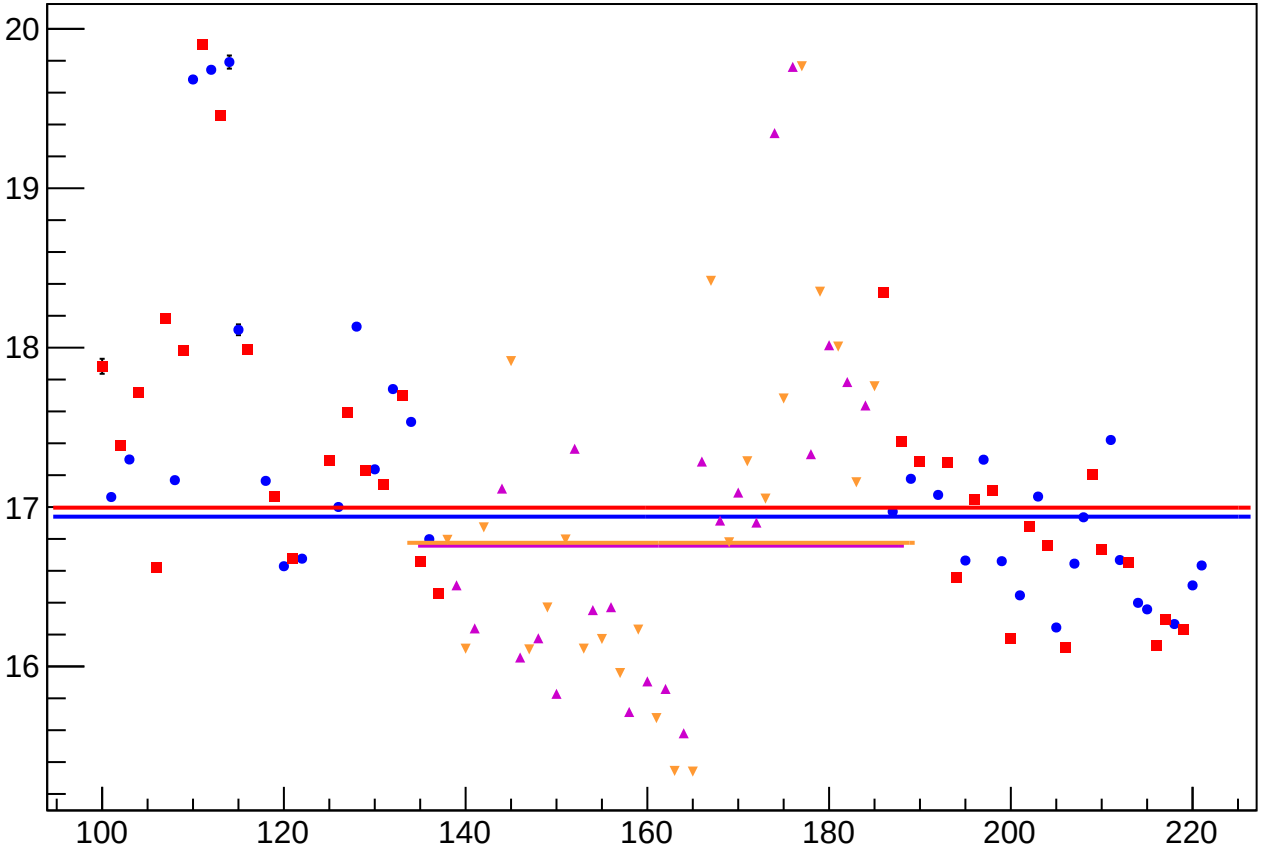
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.321+/-2.650 χ^2/NDF: 38.9/57

All: -1.772+/-1.889 χ^2/NDF: 103.2/115

- sign -3.270+/-2.692 χ^2/NDF: 63.6/57

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 16.940+/-0.003 χ^2/NDF: 67978.7/33

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 16.996+/-0.003 χ^2/NDF: 79525.4/34

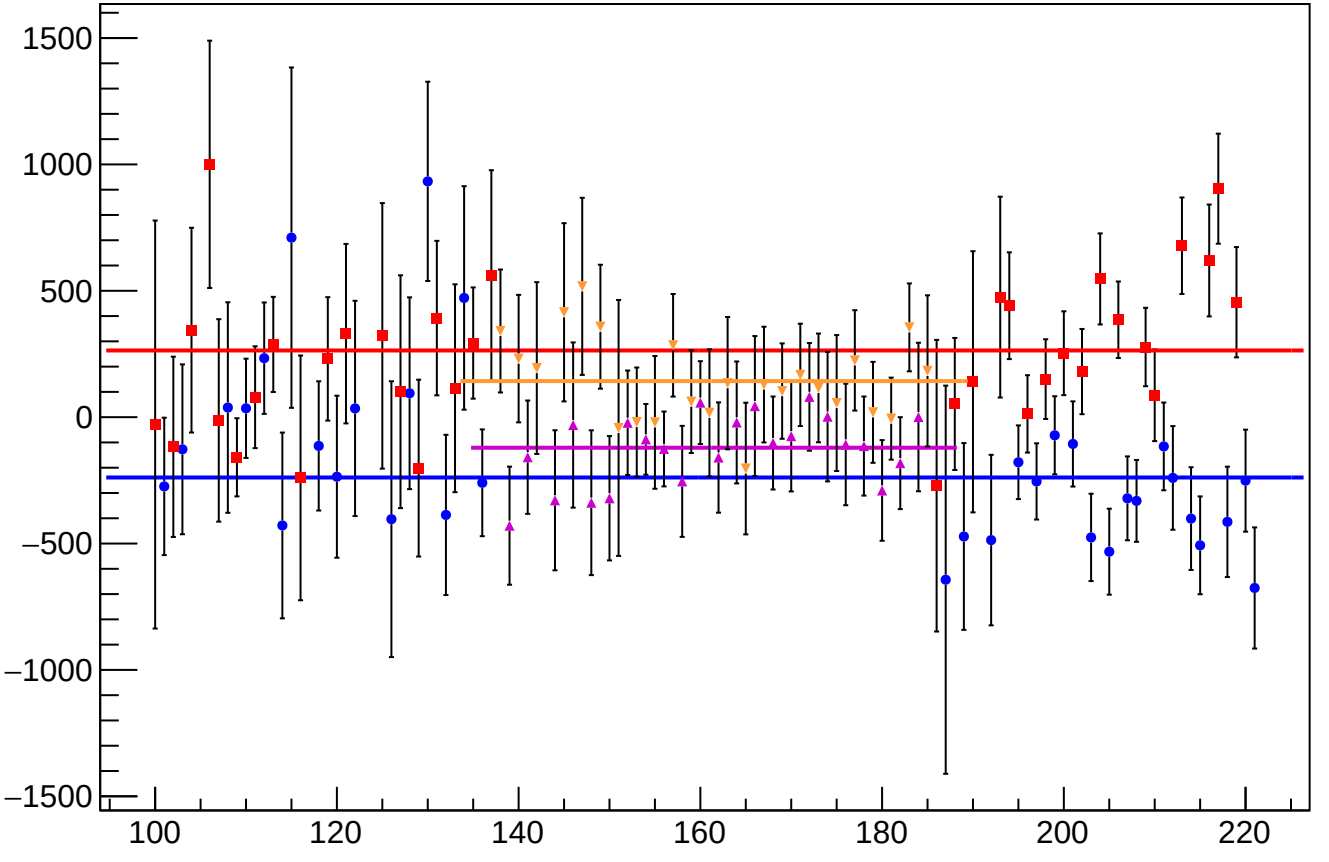
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.864+/-0.002 χ^2/NDF: 206023.3/57

All: 16.874+/-0.001 χ^2/NDF: 412819.0/115

- sign 16.884+/-0.002 χ^2/NDF: 206740.5/57

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -238.670+/-38.681 χ^2/NDF: 38.2/33

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 263.911+/-39.218 χ^2/NDF: 43.1/34

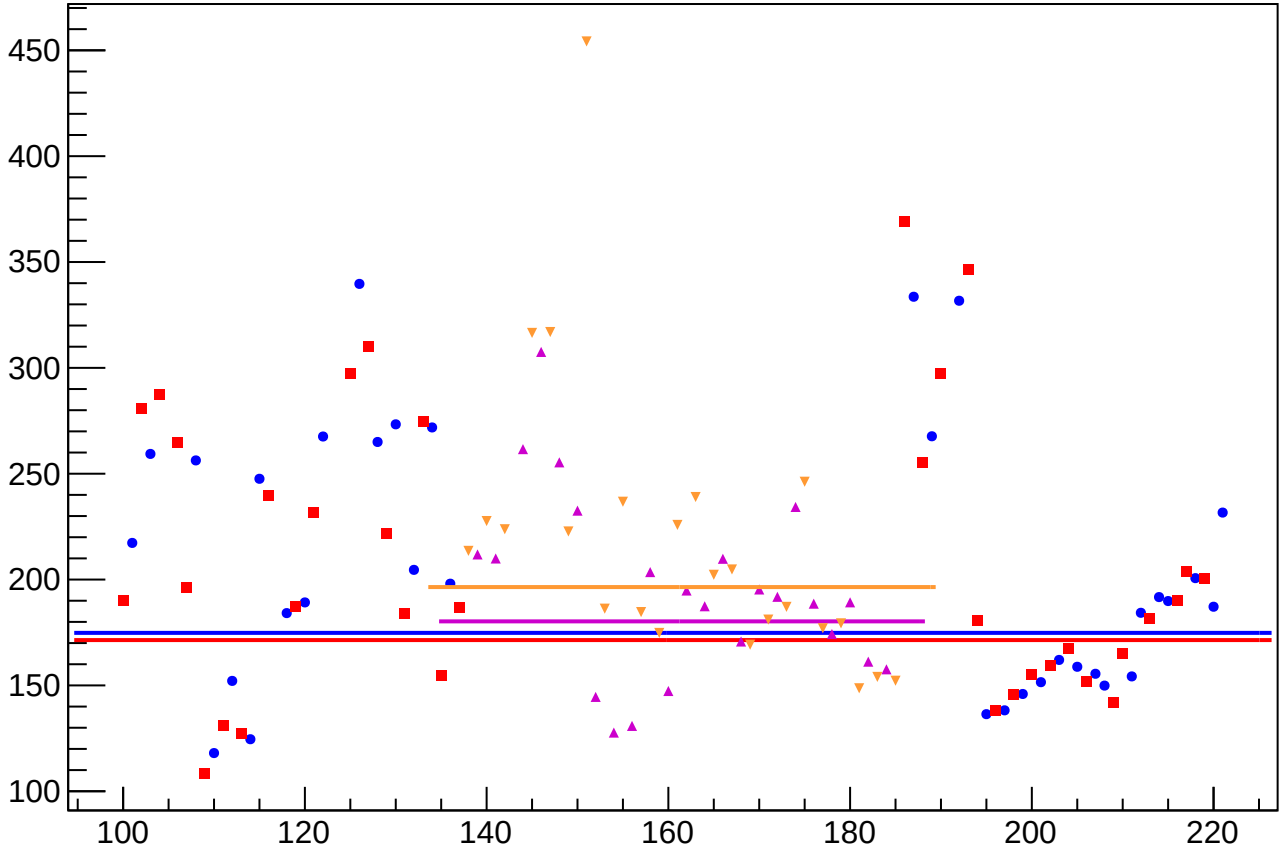
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

\+ sign -85.788+/-29.940 χ^2/NDF: 87.3/57

All: 5.882+/-20.932 χ^2/NDF: 199.6/115

\- sign 93.524+/-29.275 χ^2/NDF: 93.9/57

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 174.819+/-0.027 χ^2/NDF: 2479592.4/33

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 171.411+/-0.028 χ^2/NDF: 2883285.9/34

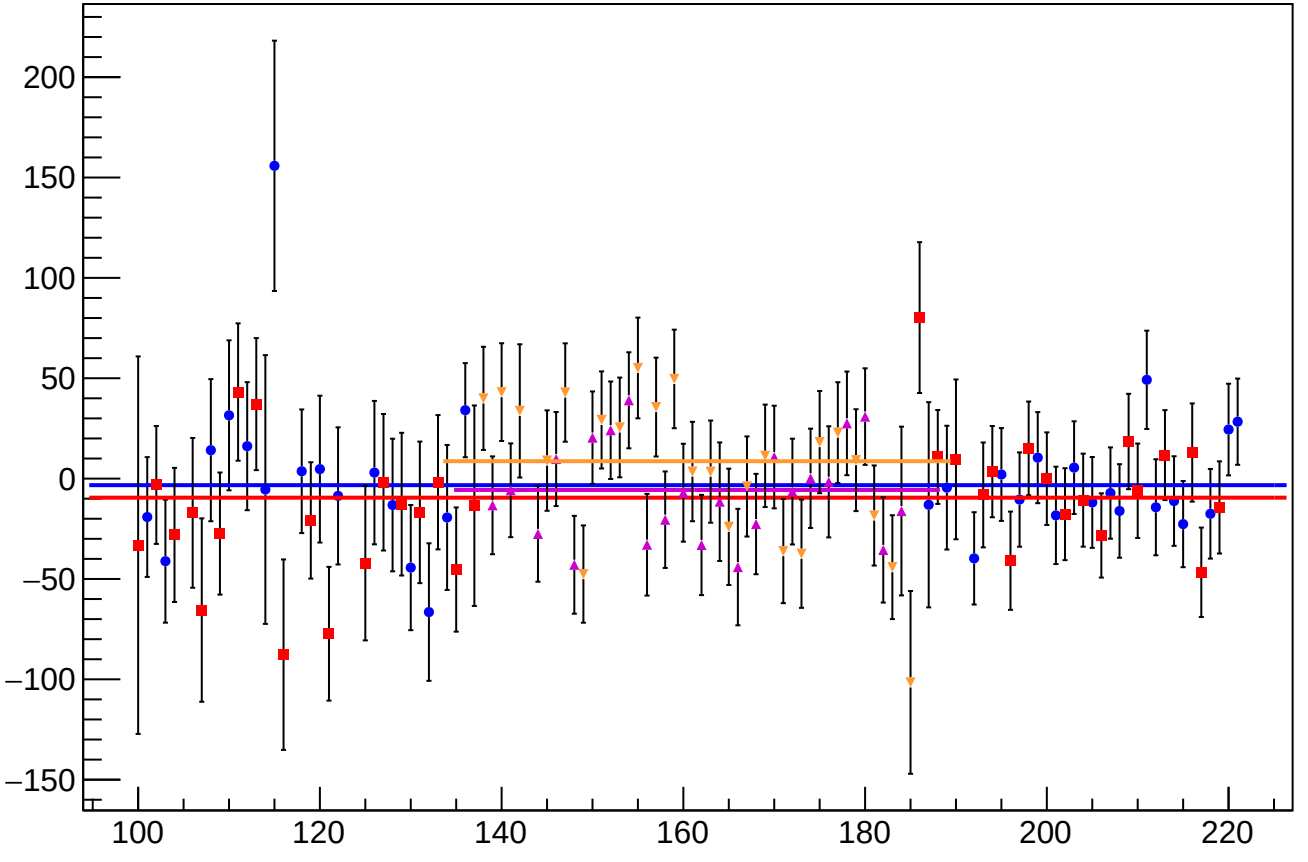
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.491+/-0.021 χ^2/NDF: 4453889.9/57

All: 179.316+/-0.015 χ^2/NDF: 9086007.5/115

- sign 175.324+/-0.021 χ^2/NDF: 4556028.6/57

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.272+/-4.666 χ^2/NDF: 31.8/33

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.499+/-4.801 χ^2/NDF: 32.8/34

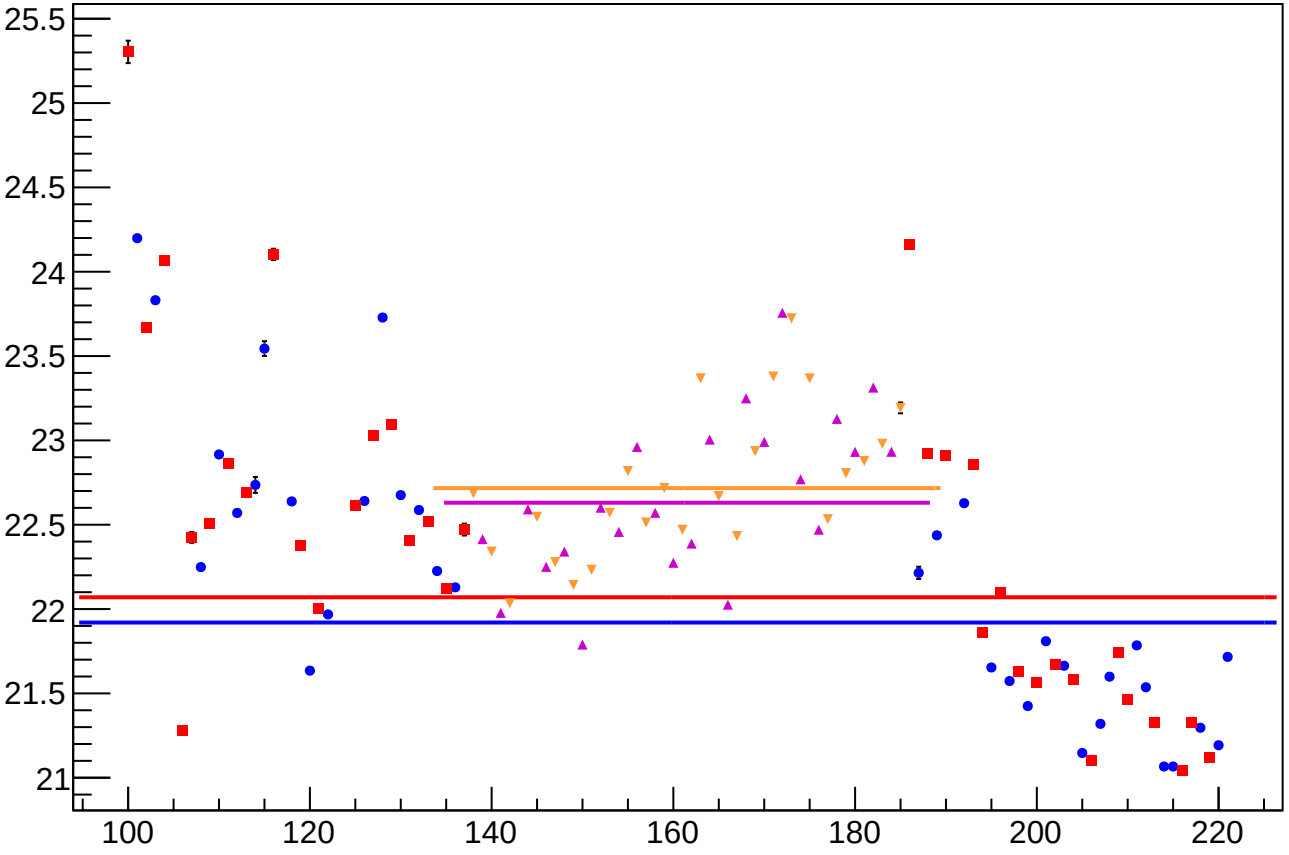
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.968+/-3.495 χ^2/NDF: 73.8/57

All: -2.818+/-2.492 χ^2/NDF: 131.5/115

- sign -7.767+/-3.554 χ^2/NDF: 53.8/57

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 21.920+/-0.003 χ^2/NDF: 52791.1/33

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.070+/-0.003 χ^2/NDF: 59165.2/34

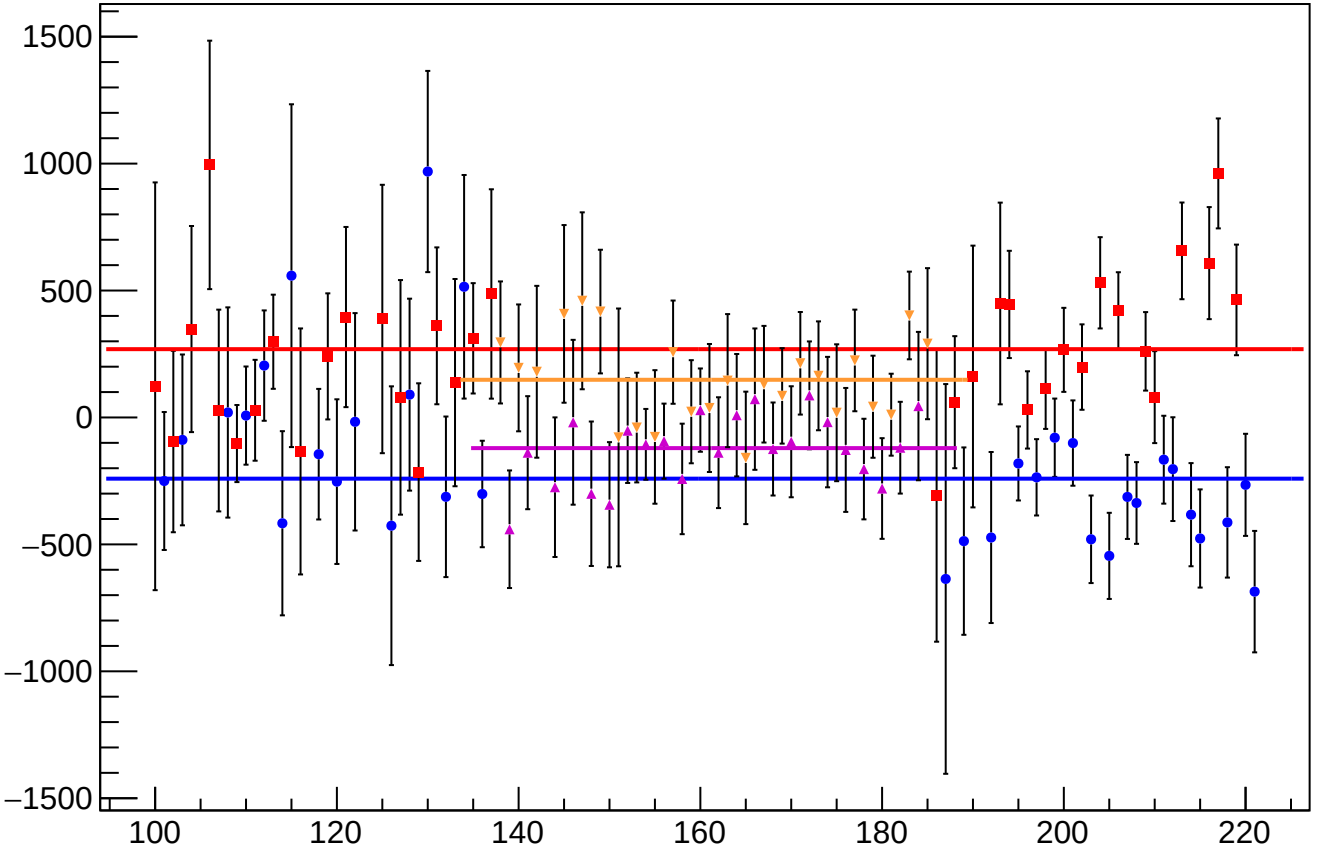
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.270+/-0.002 χ^2/NDF: 90575.6/57

All: 22.296+/-0.002 χ^2/NDF: 177688.3/115

- sign 22.323+/-0.003 χ^2/NDF: 86883.0/57

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -241.092+/-38.570 χ^2/NDF: 36.9/33

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 269.065+/-39.061 χ^2/NDF: 42.6/34

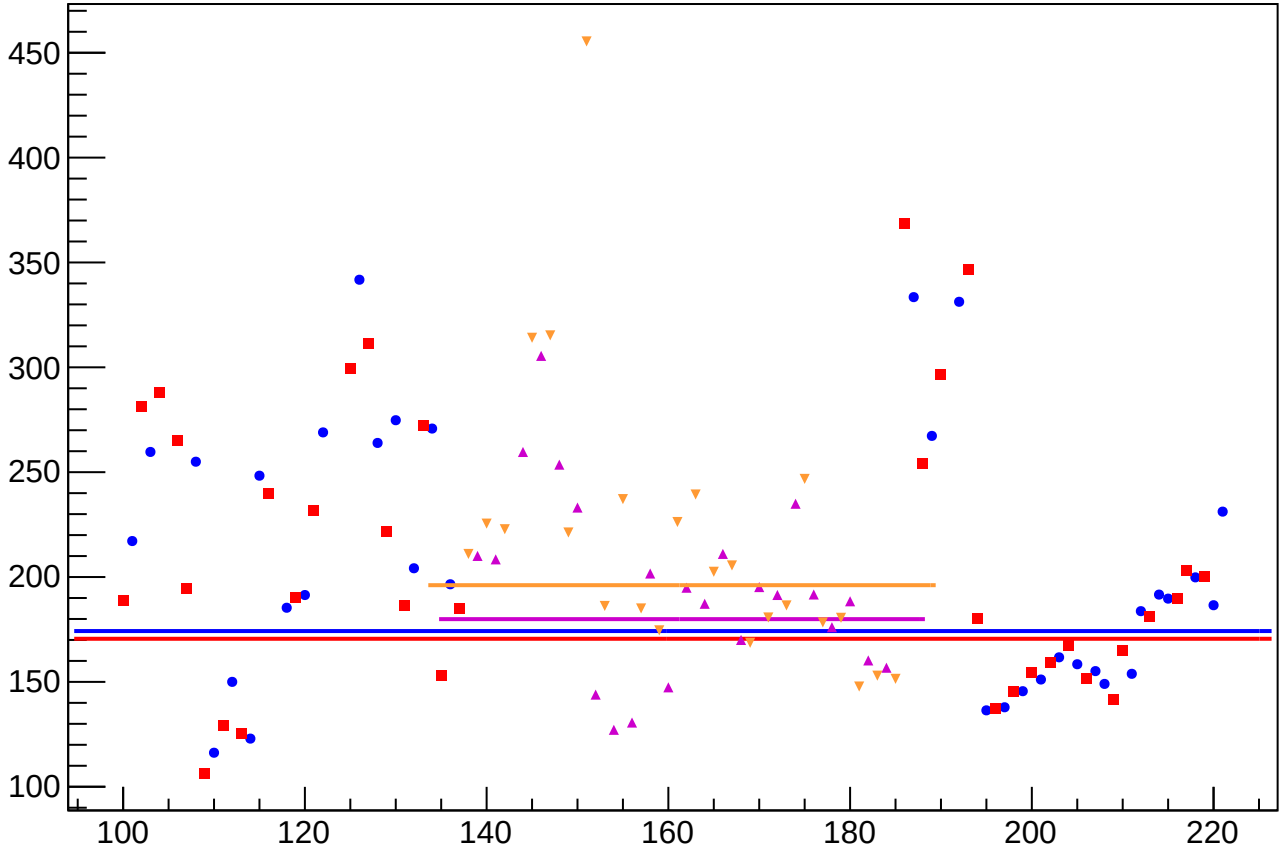
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -85.186+/-29.870 χ^2/NDF: 88.6/57

All: 7.960+/-20.876 χ^2/NDF: 202.1/115

- sign 96.900+/-29.188 χ^2/NDF: 94.5/57

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 174.239+/-0.027 χ^2/NDF: 2512834.7/33

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 170.560+/-0.028 χ^2/NDF: 2954039.6/34

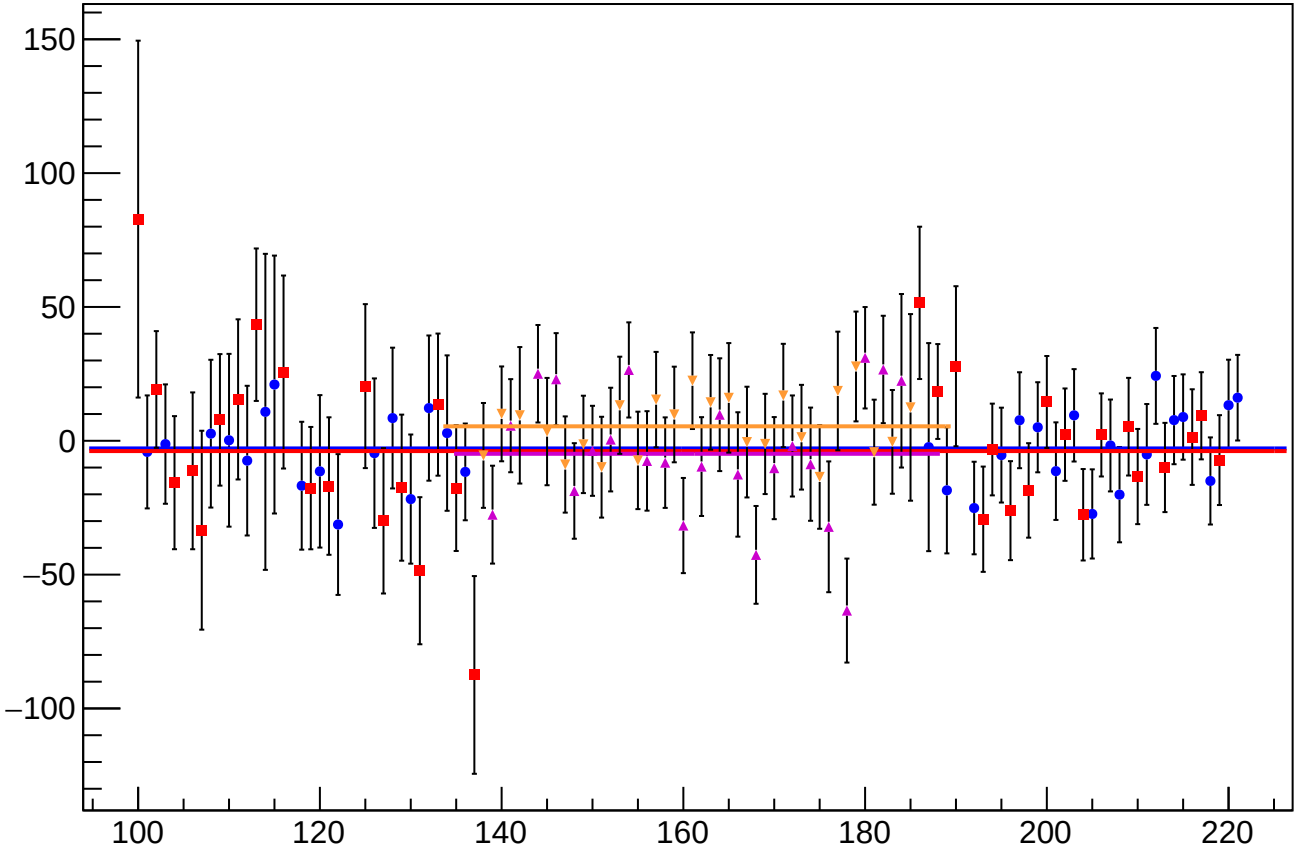
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.994+/-0.021 χ^2/NDF: 4496562.6/57

All: 178.749+/-0.015 χ^2/NDF: 9204471.7/115

- sign 174.695+/-0.021 χ^2/NDF: 4628937.5/57

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -2.855+/-3.538 χ^2/NDF: 16.0/33

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.843+/-3.644 χ^2/NDF: 33.9/34

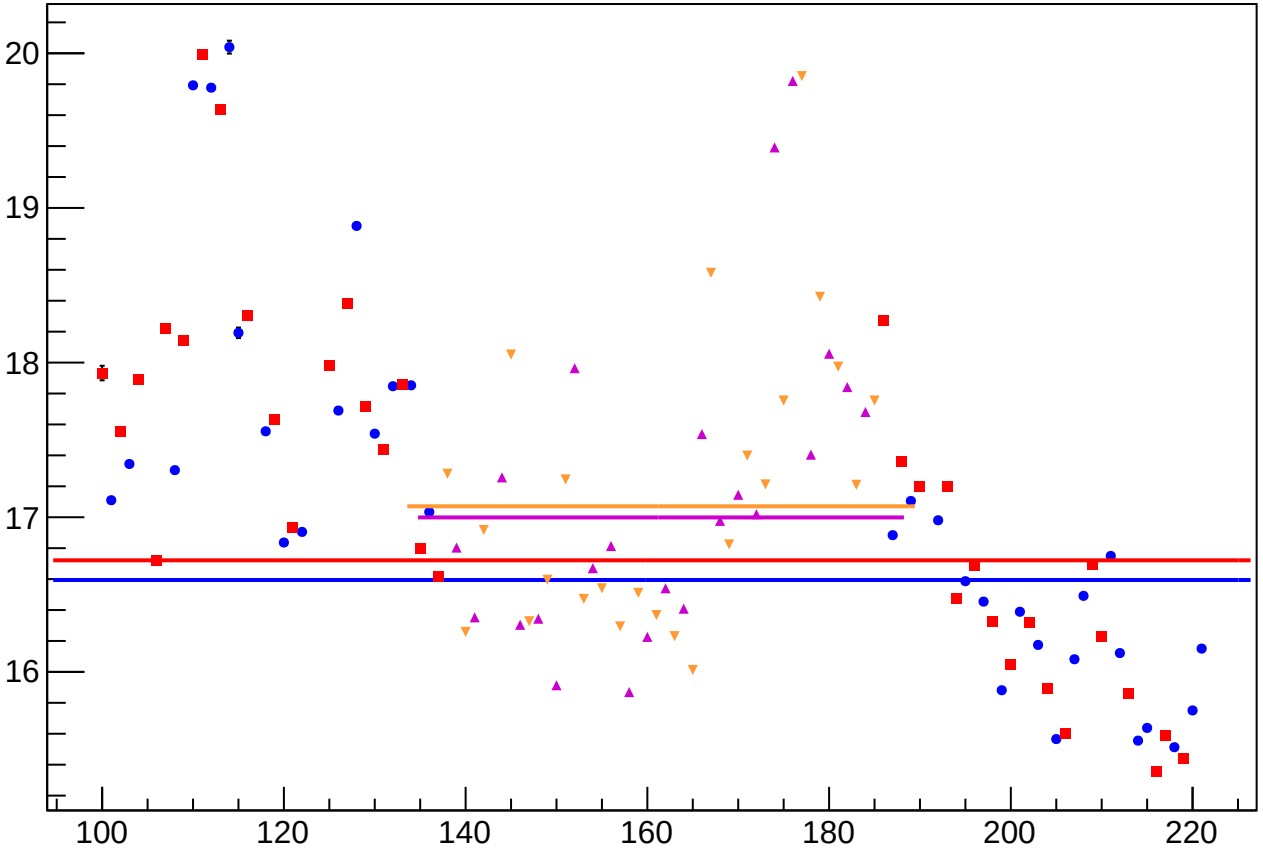
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.800+/-2.642 χ^2/NDF: 26.2/57

All: -1.709+/-1.884 χ^2/NDF: 97.5/115

- sign -4.306+/-2.688 χ^2/NDF: 69.4/57

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.594+/-0.003 χ^2/NDF: 142196.5/33

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.721+/-0.003 χ^2/NDF: 159335.3/34

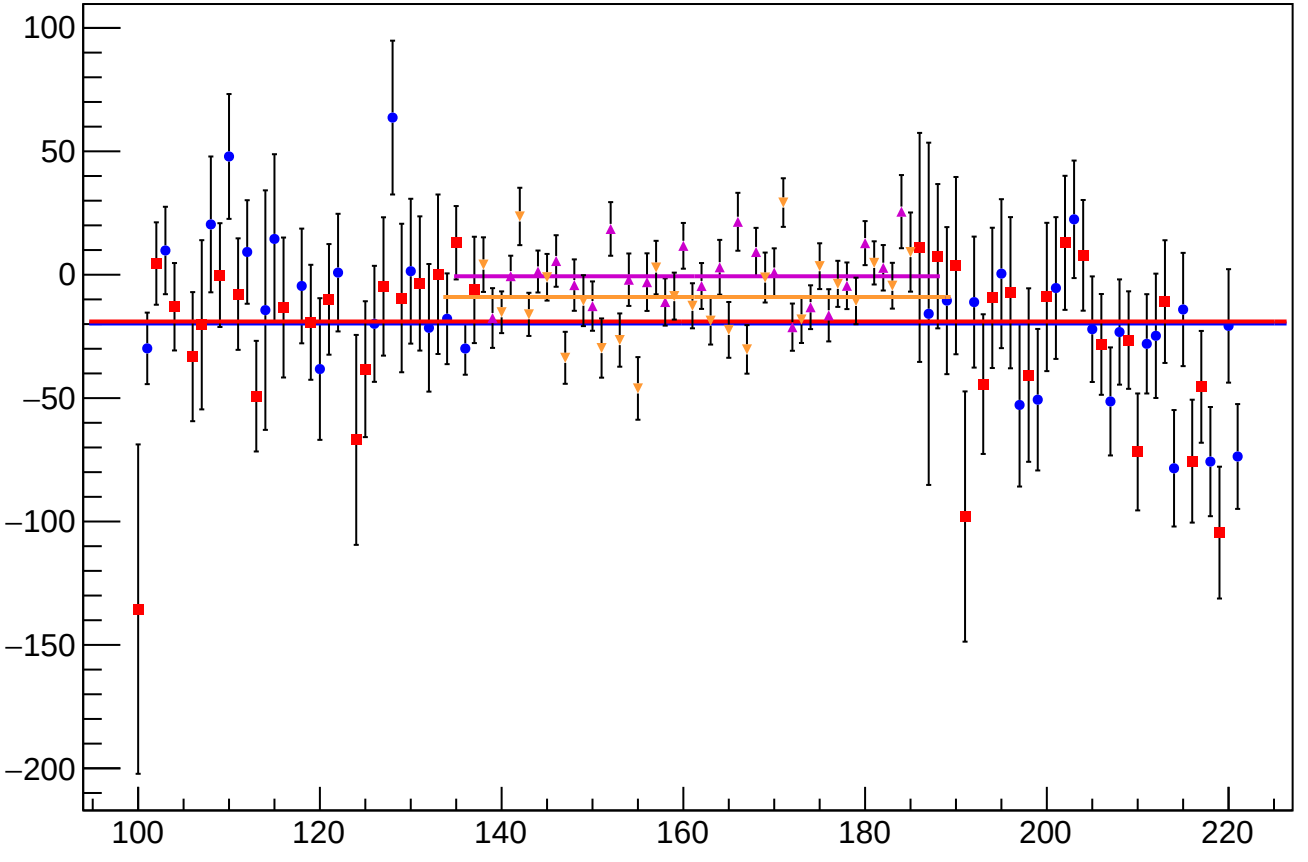
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.805+/-0.002 χ^2/NDF: 254556.4/57

All: 16.826+/-0.001 χ^2/NDF: 523449.9/115

- sign 16.848+/-0.002 χ^2/NDF: 268634.8/57

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -19.756+/-3.897 χ^2/NDF: 53.3/33

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -18.953+/-4.125 χ^2/NDF: 46.9/36

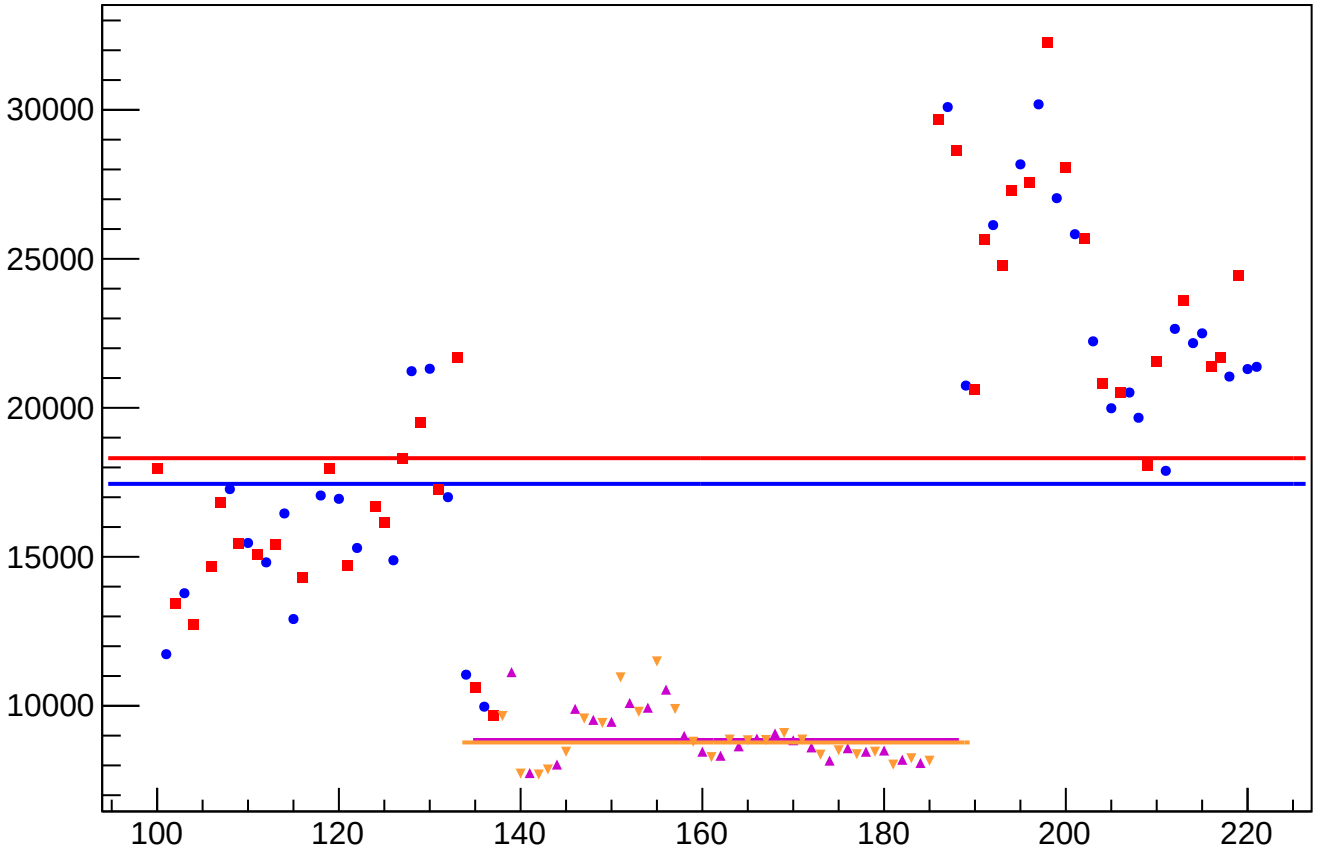
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -11.276+/-1.784 χ^2/NDF: 121.3/58

All: -7.947+/-1.286 χ^2/NDF: 220.7/118

- sign -4.341+/-1.857 χ^2/NDF: 92.1/59

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 17448.335+/-2.755 χ^2/NDF: 3677094.5/33

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 18310.655+/-2.917 χ^2/NDF: 3449293.6/36

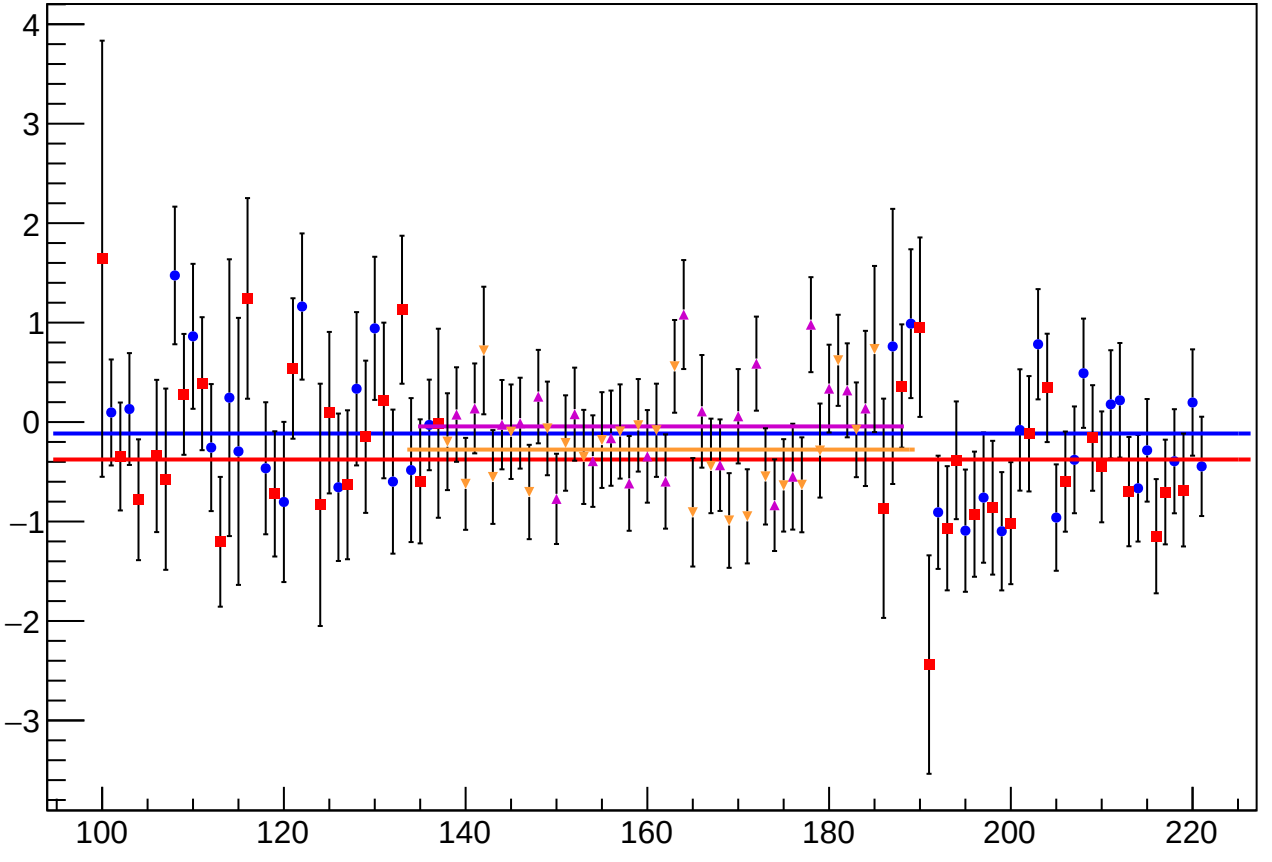
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10589.090+/-1.261 χ^2/NDF: 11863316.2/58

All: 10675.478+/-0.910 χ^2/NDF: 24006266.3

- sign 10769.070+/-1.313 χ^2/NDF: 12133177.7/59

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.115+/-0.107 χ^2/NDF: 35.5/33

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.376+/-0.110 χ^2/NDF: 31.7/36

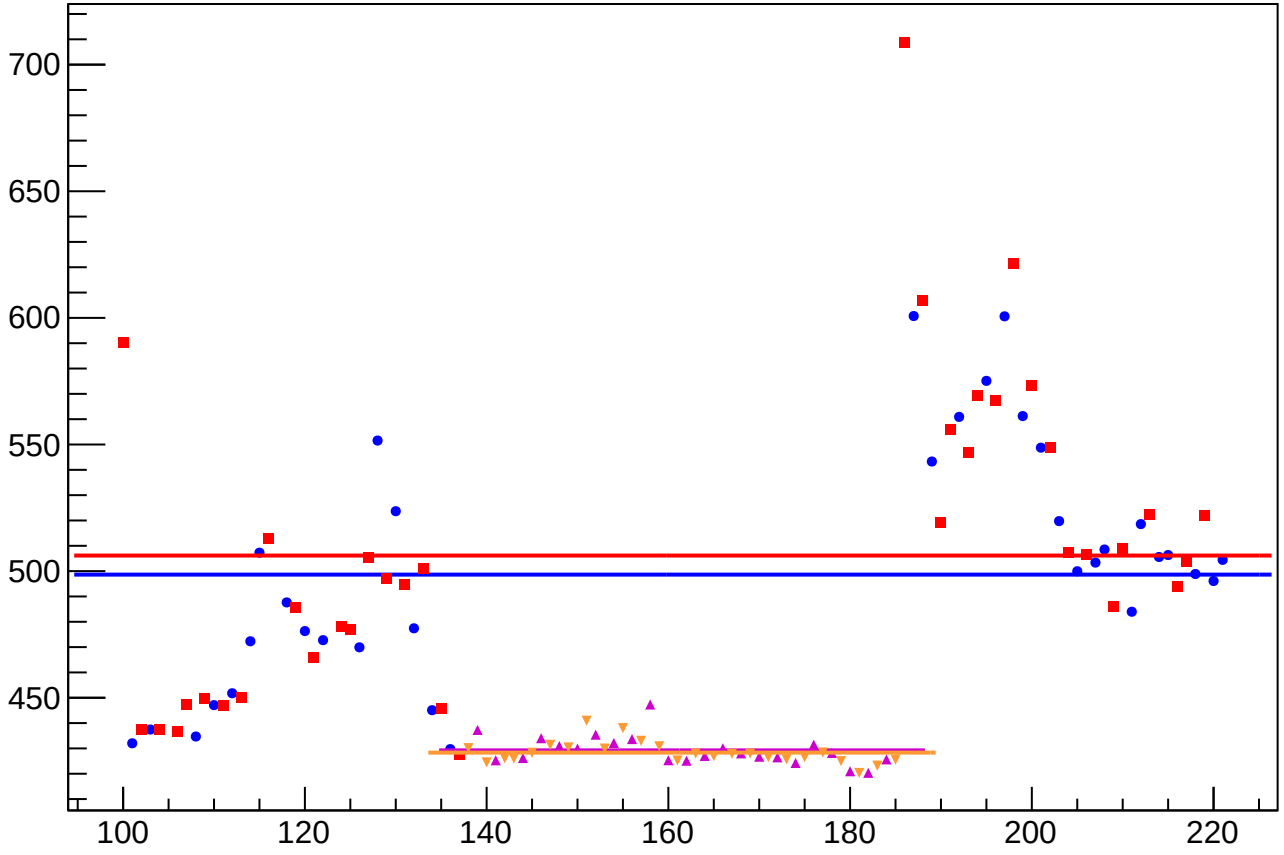
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.203+/-0.072 χ^2/NDF: 57.8/58

All: -0.199+/-0.052 χ^2/NDF: 118.3/118

- sign -0.195+/-0.074 χ^2/NDF: 60.5/59

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.628+/-0.075 χ^2/NDF: 337279.7/33

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.155+/-0.078 χ^2/NDF: 454195.0/36

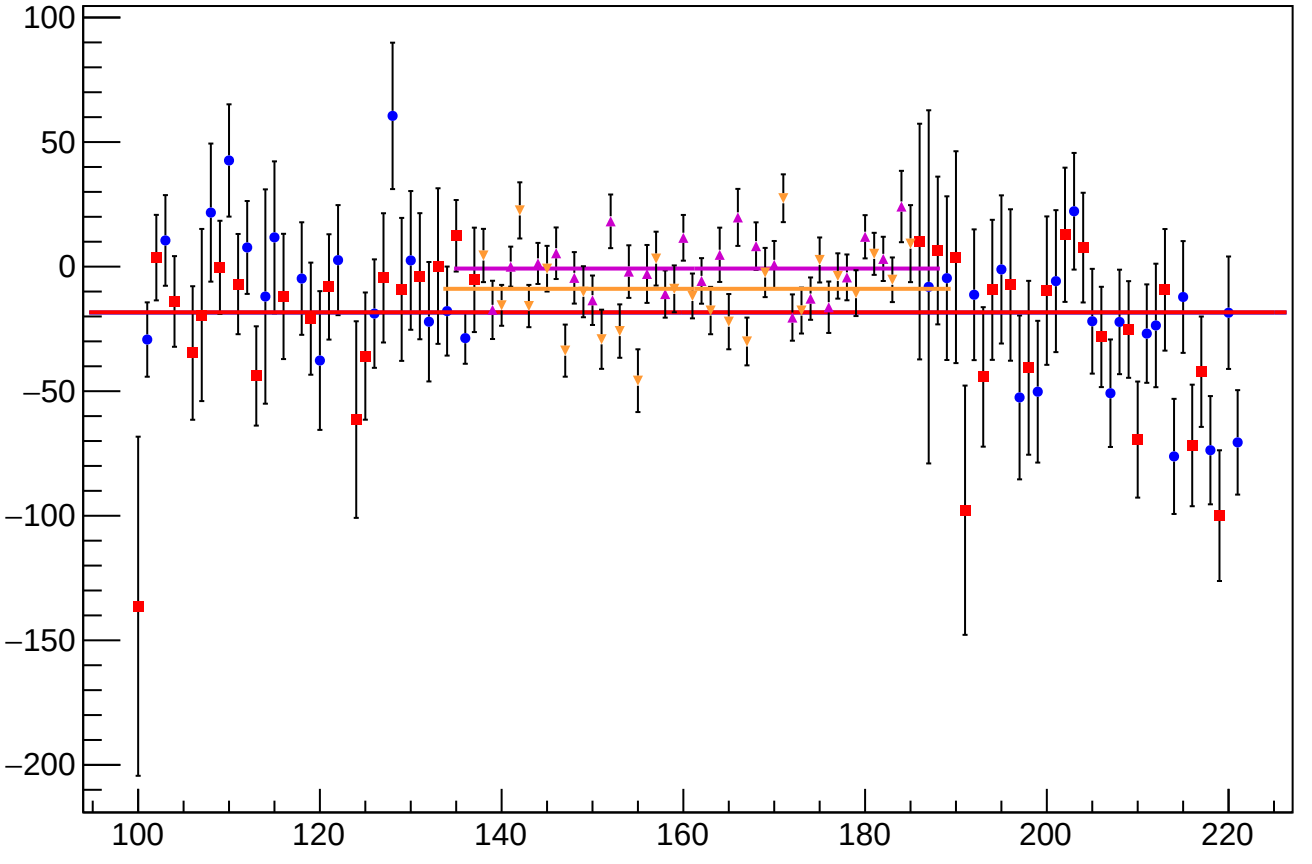
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 460.314+/-0.051 χ^2/NDF: 815960.1/58

All: 462.230+/-0.036 χ^2/NDF: 1816345.7/118

- sign 464.261+/-0.052 χ^2/NDF: 997454.9/59

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -18.437+/-3.795 χ^2/NDF: 53.7/33

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -18.331+/-4.001 χ^2/NDF: 45.1/36

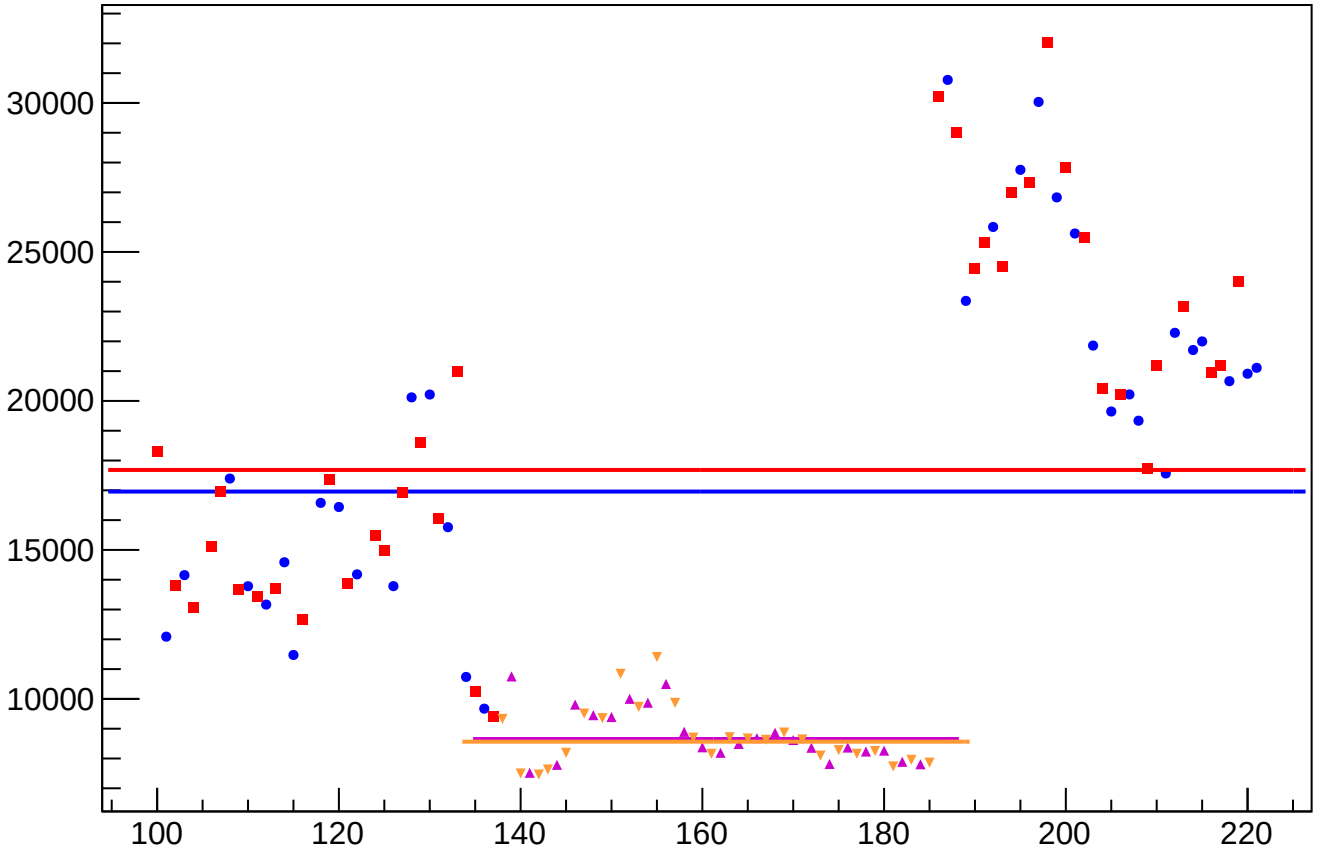
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -10.913+/-1.742 χ^2/NDF: 120.2/58

All: -7.776+/-1.256 χ^2/NDF: 216.6/118

- sign -4.378+/-1.813 χ^2/NDF: 89.7/59

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 16958.532+/-2.683 χ^2/NDF: 3884552.6/33

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17683.320+/-2.829 χ^2/NDF: 3784615.6/36

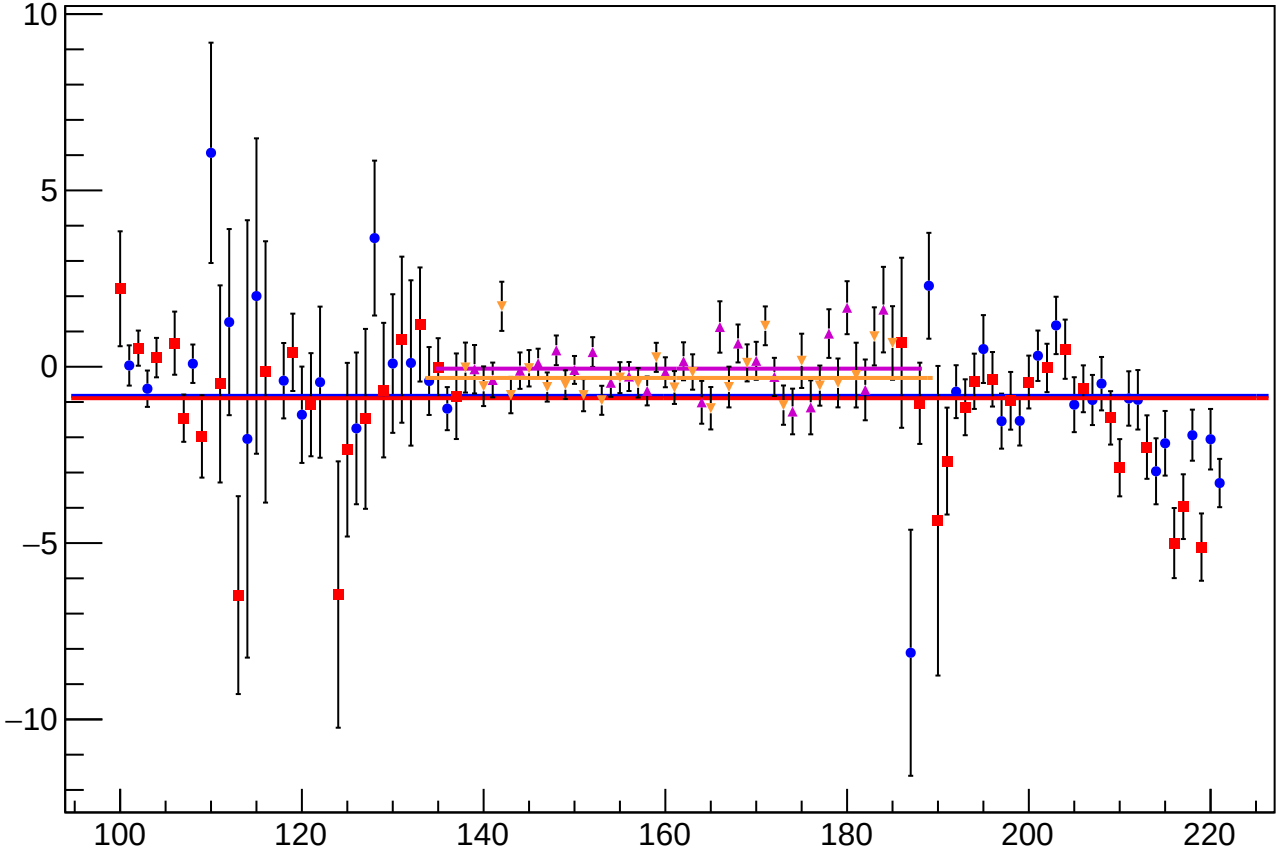
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 10333.464+/-1.232 χ^2/NDF: 12009440.2/58

All: 10417.439+/-0.888 χ^2/NDF: 24242876.7

- sign 10508.407+/-1.282 χ^2/NDF: 12223754.4/59

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.826+/-0.152 χ^2/NDF: 63.0/33

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.892+/-0.158 χ^2/NDF: 96.8/36

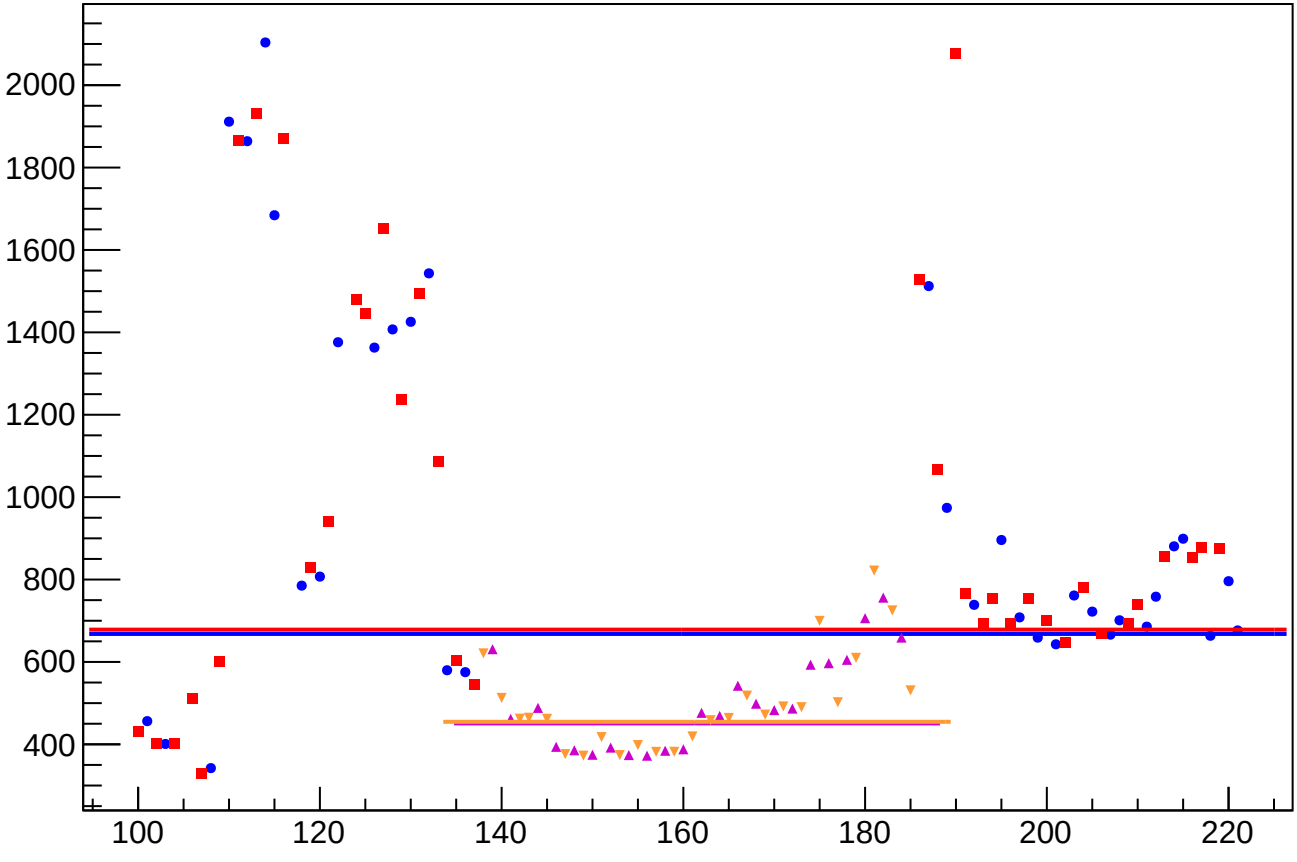
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.484+/-0.087 χ^2/NDF: 102.8/58

All: -0.405+/-0.062 χ^2/NDF: 250.3/118

- sign -0.321+/-0.089 χ^2/NDF: 145.7/59

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 667.962+/-0.107 χ^2/NDF: 4480315.8/33

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 678.413+/-0.112 χ^2/NDF: 5090149.0/36

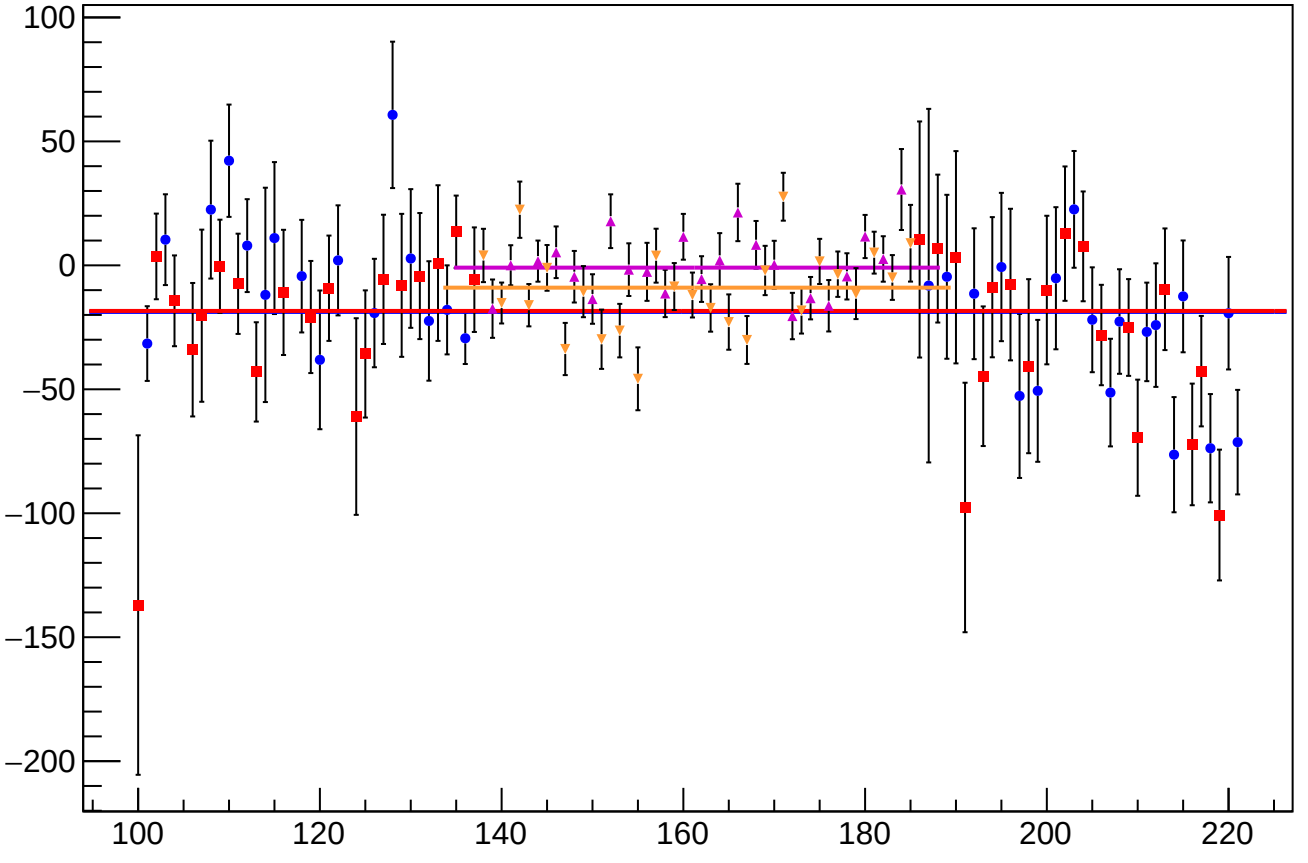
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 524.703+/-0.061 χ^2/NDF: 8590383.2/58

All: 523.983+/-0.044 χ^2/NDF: 17973341.9/11

- sign 523.222+/-0.063 χ^2/NDF: 9382675.8/59

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -18.782+/-3.818 χ^2/NDF: 53.9/33

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -18.388+/-4.027 χ^2/NDF: 44.9/36

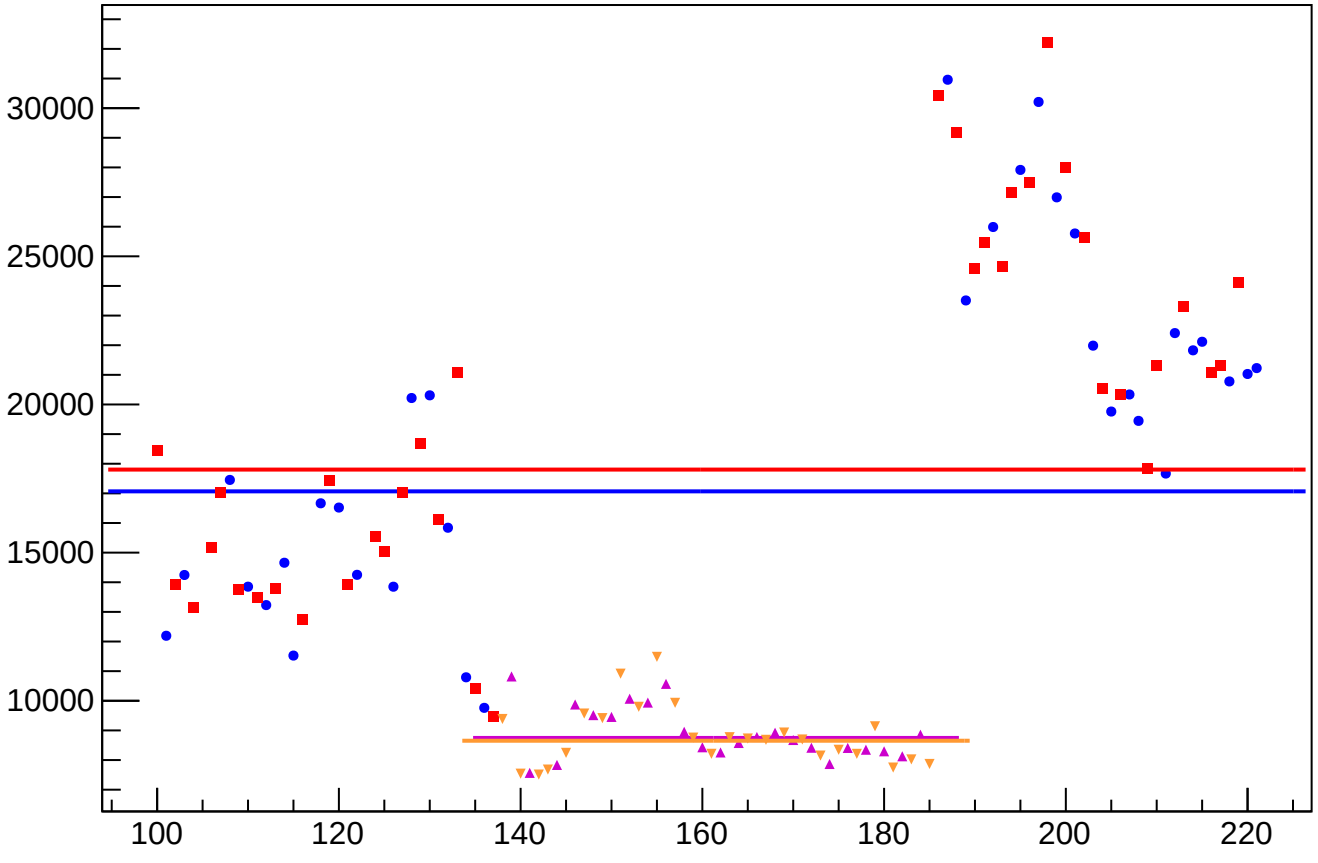
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -11.076+/-1.759 χ^2/NDF: 120.3/58

All: -7.937+/-1.268 χ^2/NDF: 216.7/118

- sign -4.535+/-1.831 χ^2/NDF: 89.7/59

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 17068.007+/-2.700 χ^2/NDF: 3865276.4/33

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17802.736+/-2.847 χ^2/NDF: 3758571.7/36

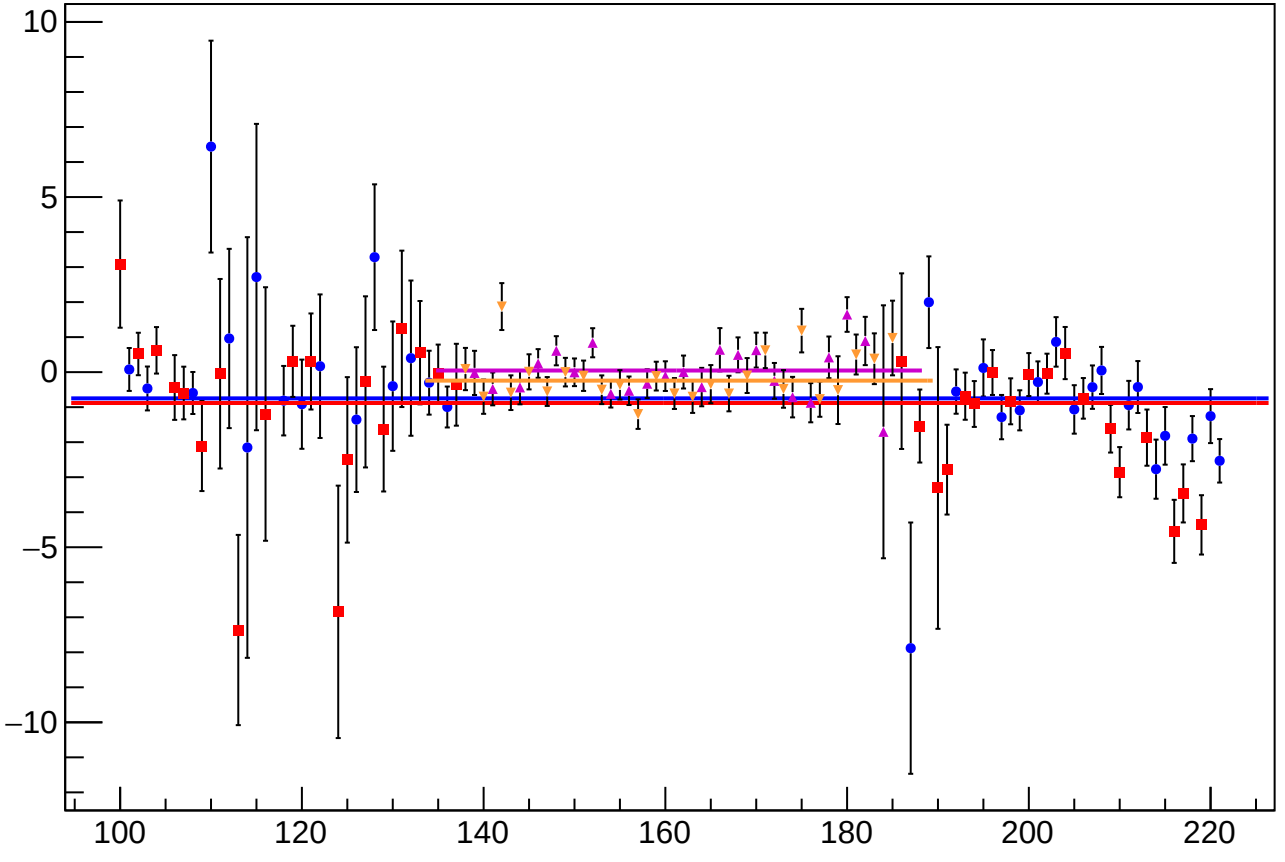
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 10437.854+/-1.244 χ^2/NDF: 11925097.0/58

All: 10524.468+/-0.897 χ^2/NDF: 24050280.1

- sign 10618.307+/-1.295 χ^2/NDF: 12115079.9/59

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.749+/-0.140 χ^2/NDF: 51.6/33

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.881+/-0.148 χ^2/NDF: 97.2/36

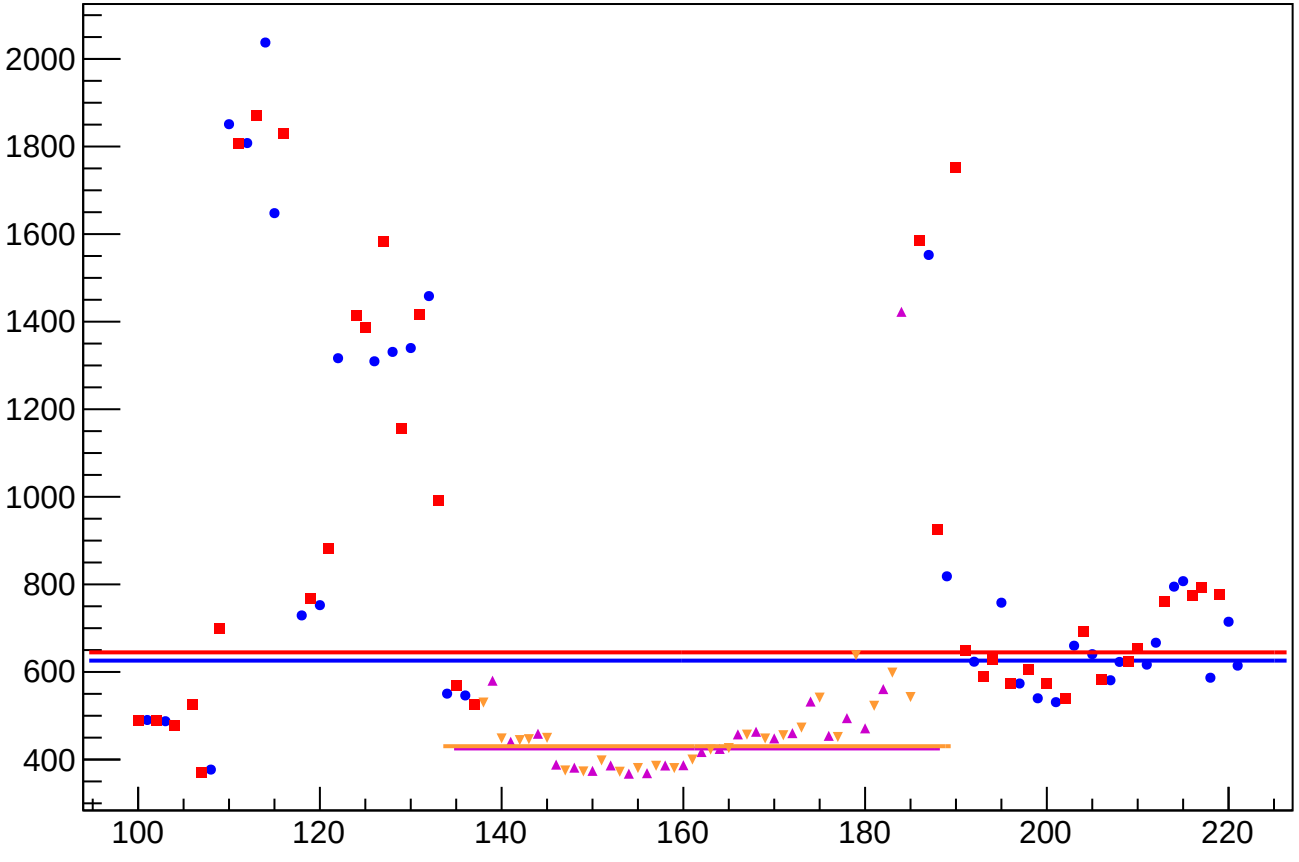
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.413+/-0.082 χ^2/NDF: 94.5/58

All: -0.334+/-0.058 χ^2/NDF: 255.3/118

- sign -0.250+/-0.084 χ^2/NDF: 158.9/59

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 625.917+/-0.099 χ^2/NDF: 3436528.5/33

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

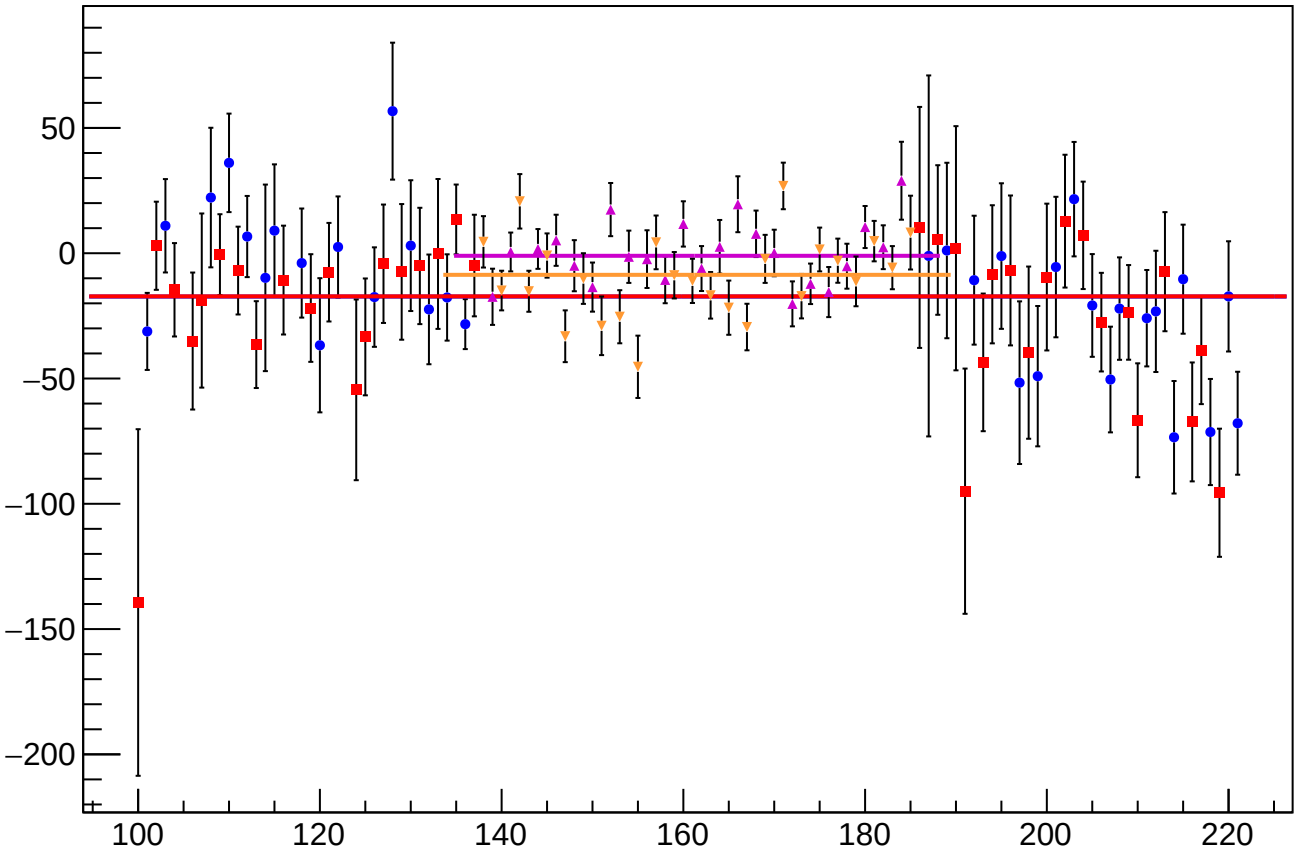
Right Out: 644.768+/-0.105 χ^2/NDF: 3743099.2/36

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 496.418+/-0.058 χ^2/NDF: 6653460.2/58

All: 495.978+/-0.041 χ^2/NDF: 14099548.9/11

- sign 495.515+/-0.059 χ^2/NDF: 7445969.3/59



Right In: -17.294+/-3.649 χ^2/NDF: 54.7/33

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -17.212+/-3.823 χ^2/NDF: 43.6/36

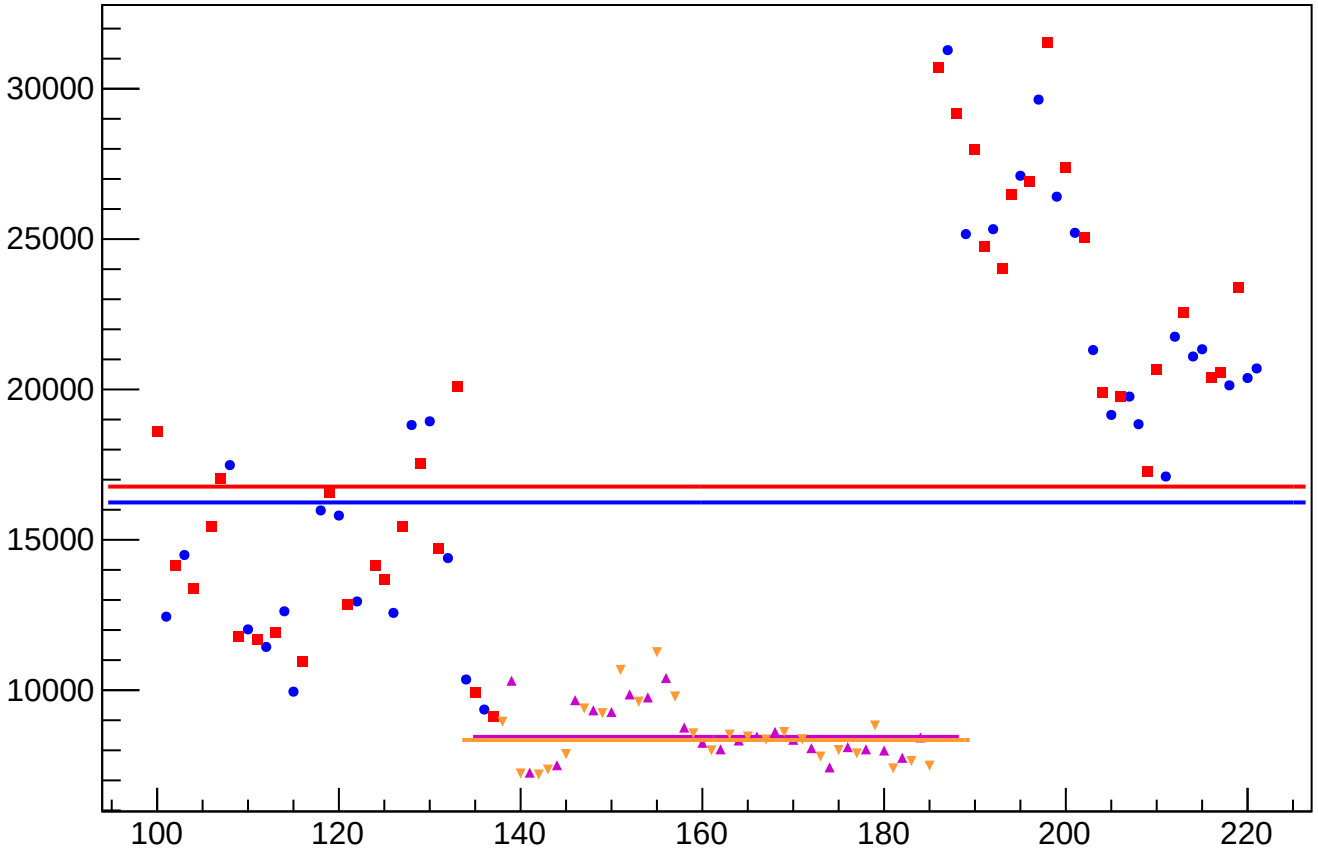
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -10.492+/-1.694 χ^2/NDF: 120.8/58

All: -7.600+/-1.222 χ^2/NDF: 214.4/118

- sign -4.469+/-1.763 χ^2/NDF: 87.5/59

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 16242.742+/-2.580 χ^2/NDF: 4234255.4/33

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 16769.717+/-2.703 χ^2/NDF: 4344172.8/36

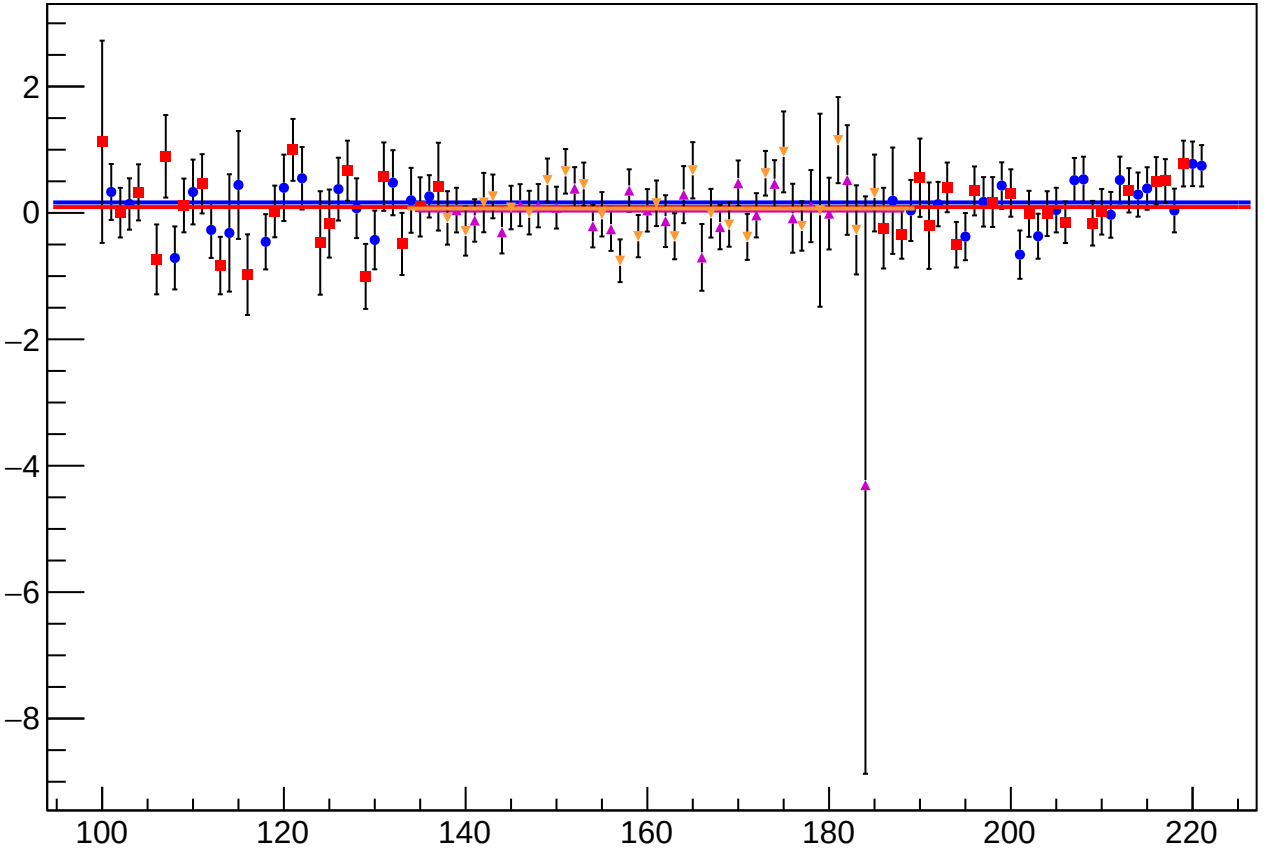
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 10047.006+/-1.198 χ^2/NDF: 12053057.1/58

All: 10128.397+/-0.864 χ^2/NDF: 24253266.5

- sign 10216.500+/-1.246 χ^2/NDF: 12190598.4/59

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.166+/-0.071 χ^2/NDF: 29.7/33

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.092+/-0.072 χ^2/NDF: 39.3/36

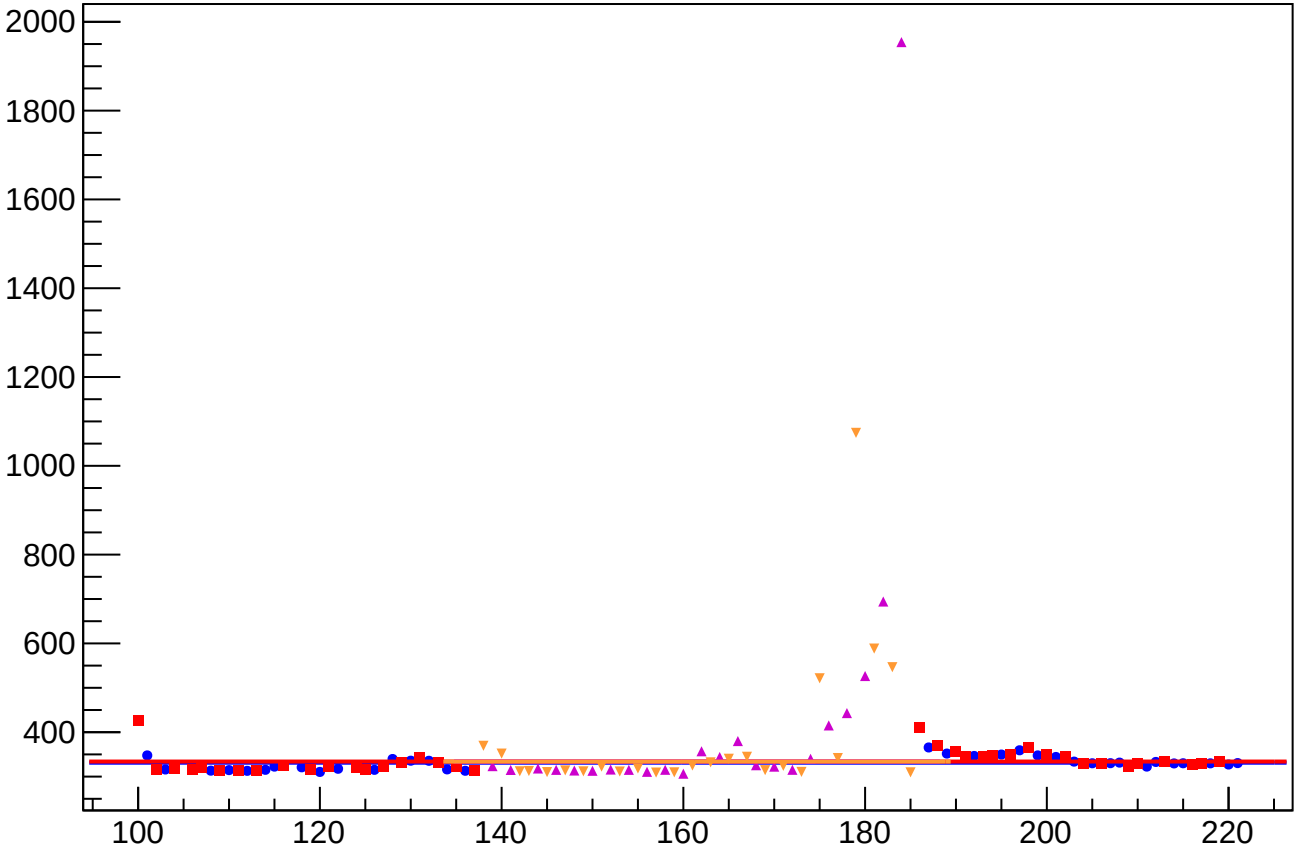
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.123+/-0.053 χ^2/NDF: 58.7/58

All: 0.096+/-0.038 χ^2/NDF: 110.4/118

- sign 0.068+/-0.054 χ^2/NDF: 51.2/59

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.256+/-0.050 χ^2/NDF: 64664.7/33

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 333.934+/-0.051 χ^2/NDF: 119773.9/36

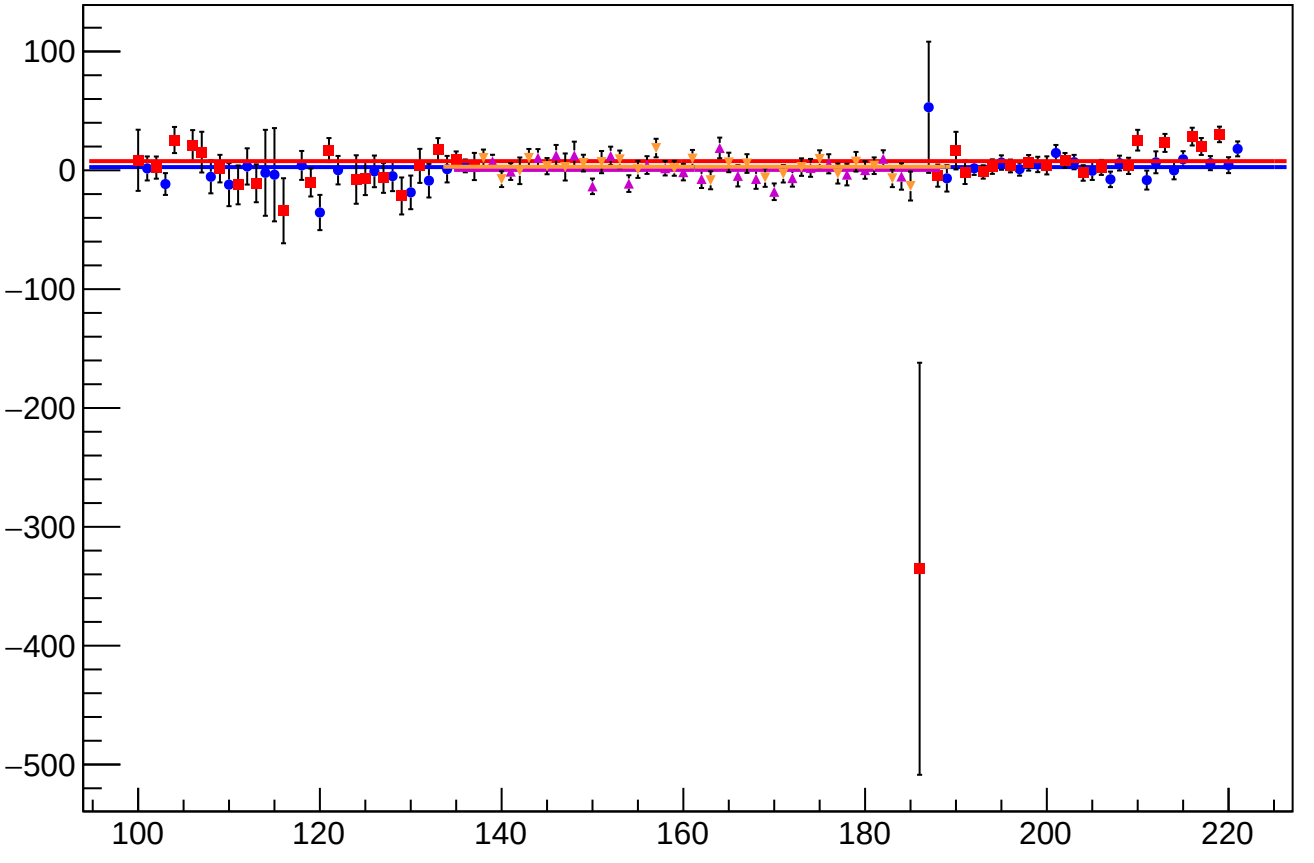
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.378+/-0.037 χ^2/NDF: 1283058.4/58

All: 333.149+/-0.027 χ^2/NDF: 2454692.7/118

- sign 333.954+/-0.038 χ^2/NDF: 1170758.5/59

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 2.705+/-1.414 χ^2/NDF: 31.7/33

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

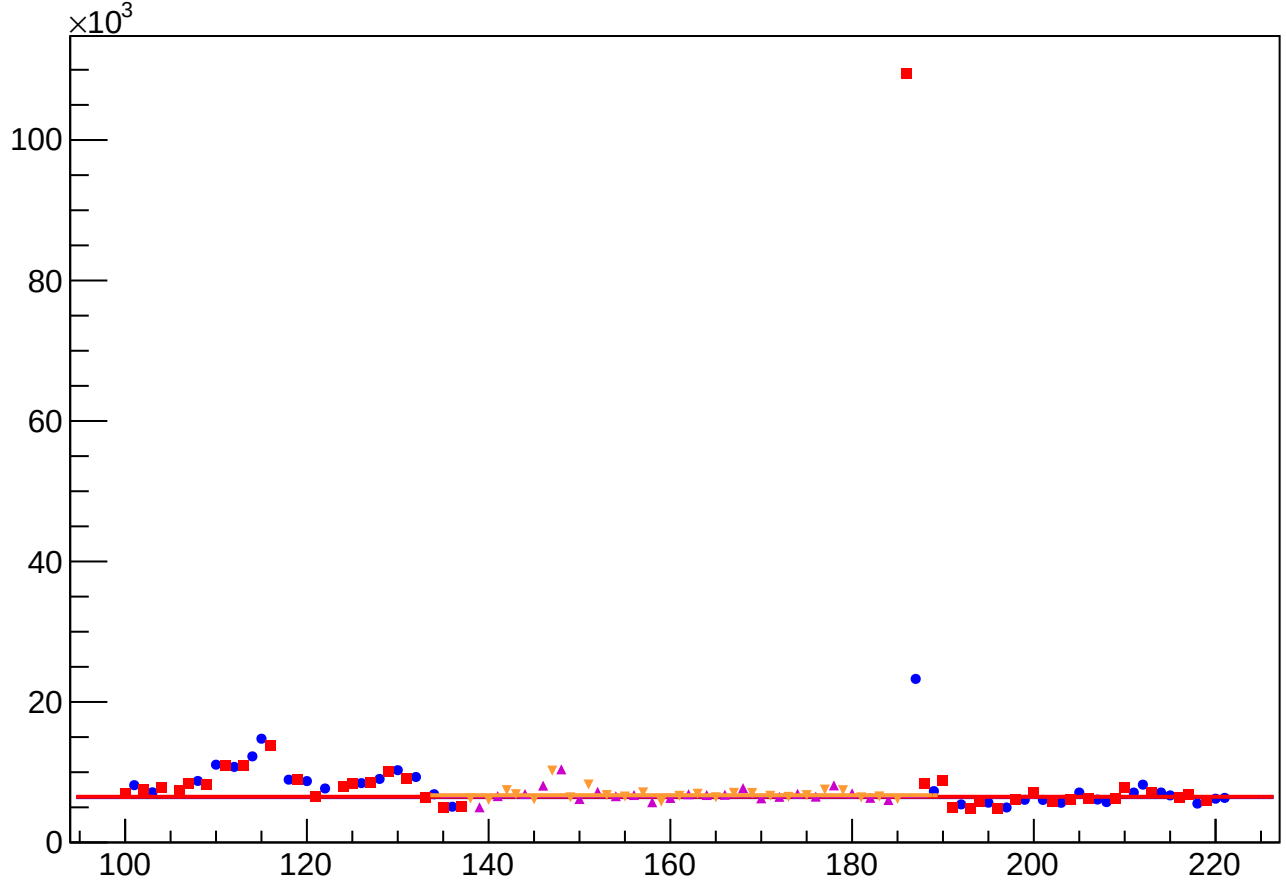
Right Out: 7.720+/-1.456 χ^2/NDF: 65.3/36

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.850+/-1.042 χ^2/NDF: 52.0/58

All: 3.562+/-0.746 χ^2/NDF: 163.9/118

- sign 4.309+/-1.067 χ^2/NDF: 110.9/59



Right In: 6453.599+/-1.000 χ^2/NDF: 1888409.4/33

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6501.673+/-1.030 χ^2/NDF: 2457223.1/36

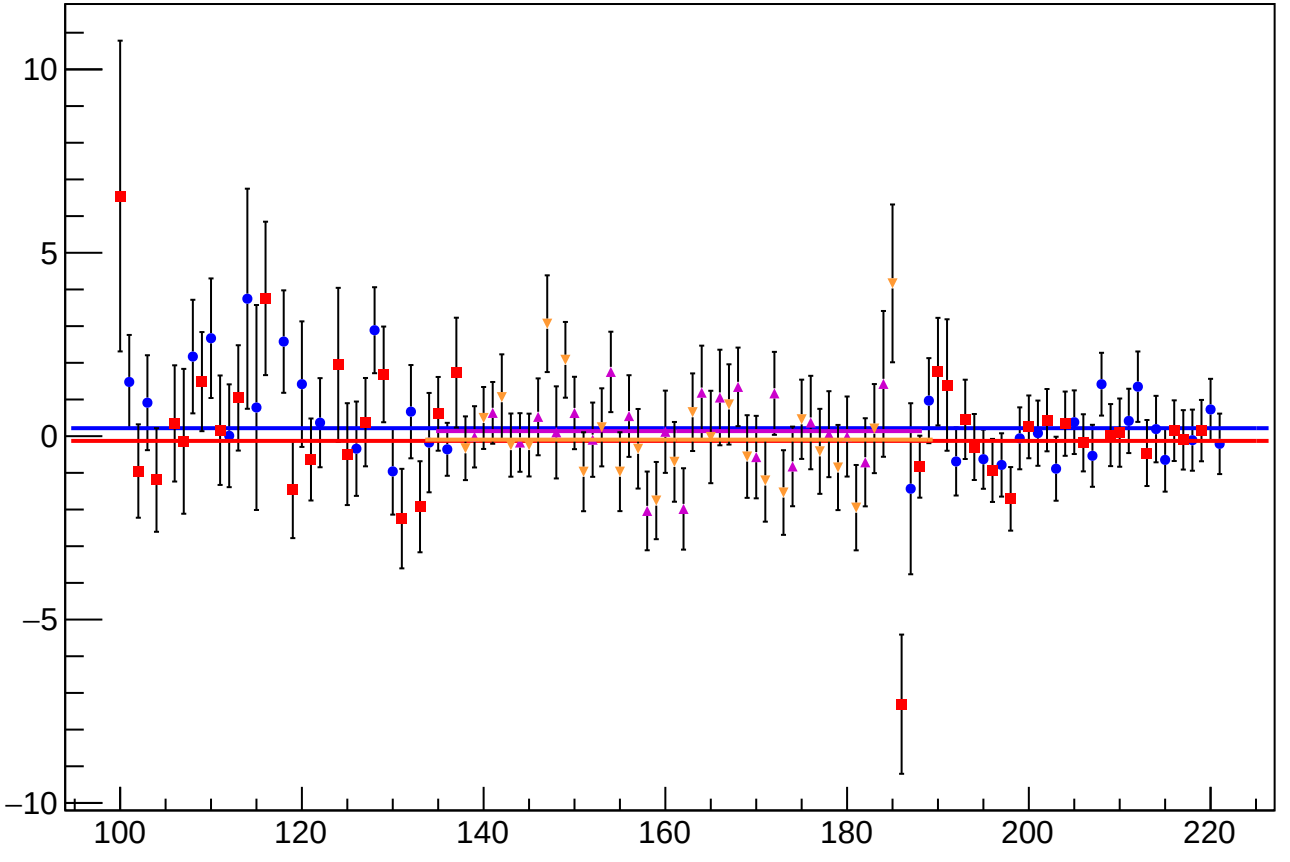
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6576.725+/-0.737 χ^2/NDF: 2324883.1/58

All: 6569.707+/-0.527 χ^2/NDF: 5419281.8/11

- sign 6562.350+/-0.755 χ^2/NDF: 3094213.0/59

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.218+/-0.178 χ^2/NDF: 29.2/33

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.129+/-0.180 χ^2/NDF: 43.4/36

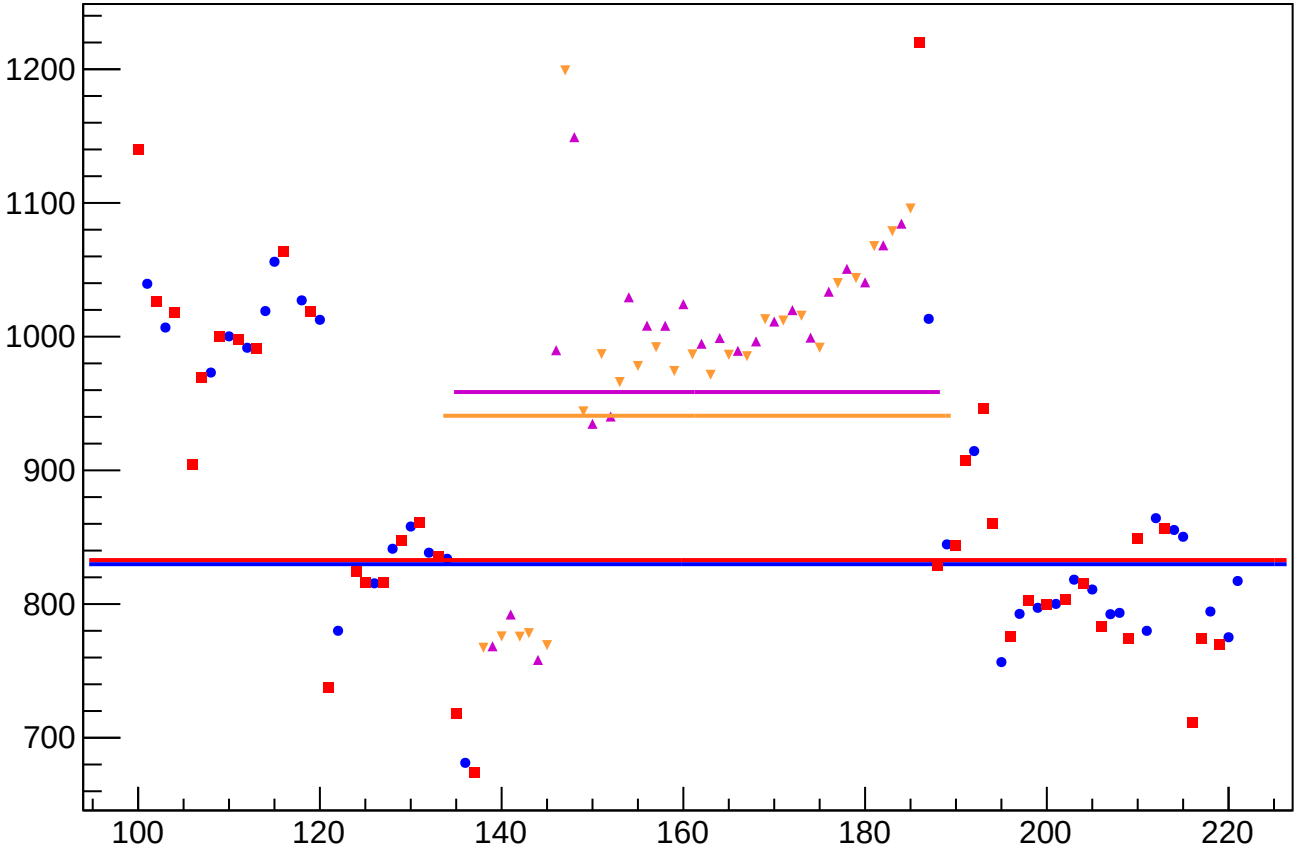
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.091+/-0.137 χ^2/NDF: 57.8/58

All: 0.035+/-0.098 χ^2/NDF: 118.9/118

- sign -0.025+/-0.141 χ^2/NDF: 60.8/59

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 829.828+/-0.126 χ^2/NDF: 418137.8/33

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 832.902+/-0.128 χ^2/NDF: 525311.6/36

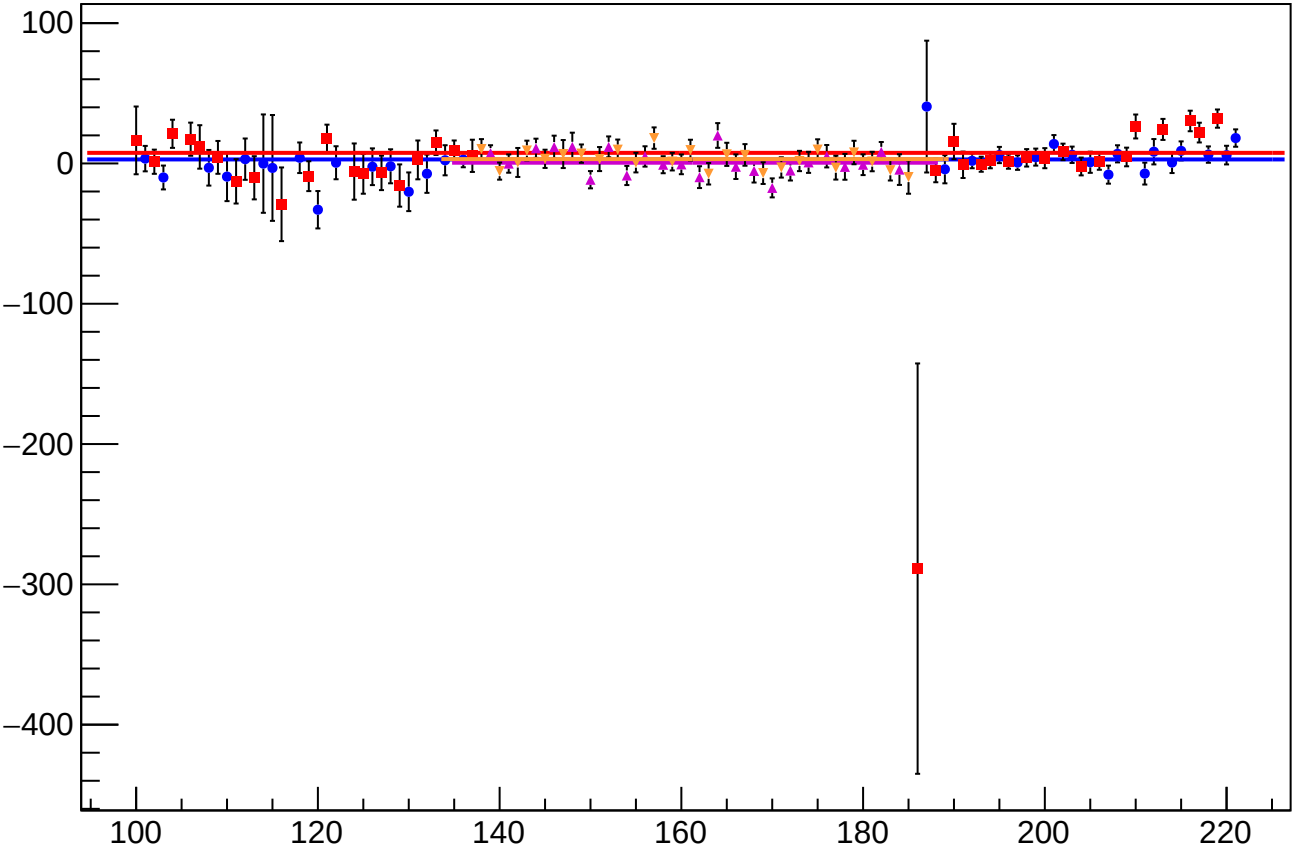
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 874.736+/-0.097 χ^2/NDF: 1303342.4/58

All: 878.272+/-0.069 χ^2/NDF: 2667220.4/118

- sign 882.012+/-0.100 χ^2/NDF: 1361136.0/59

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 2.854+/-1.363 χ^2/NDF: 32.0/33

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 7.545+/-1.394 χ^2/NDF: 72.1/36

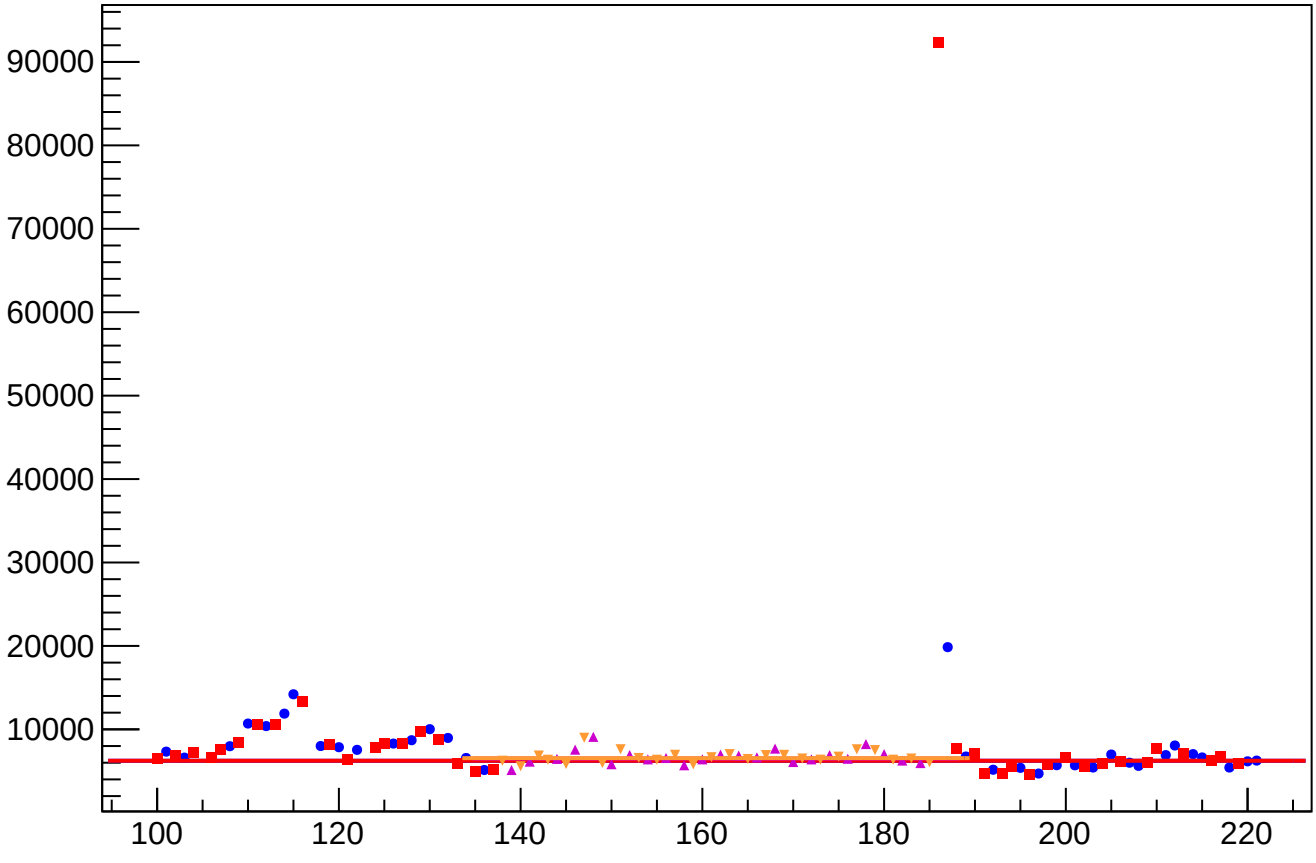
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.965+/-1.009 χ^2/NDF: 50.6/58

All: 3.651+/-0.721 χ^2/NDF: 167.1/118

- sign 4.369+/-1.032 χ^2/NDF: 115.5/59

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6229.531+/-0.964 χ^2/NDF: 1806881.5/33

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6236.130+/-0.986 χ^2/NDF: 2403754.8/36

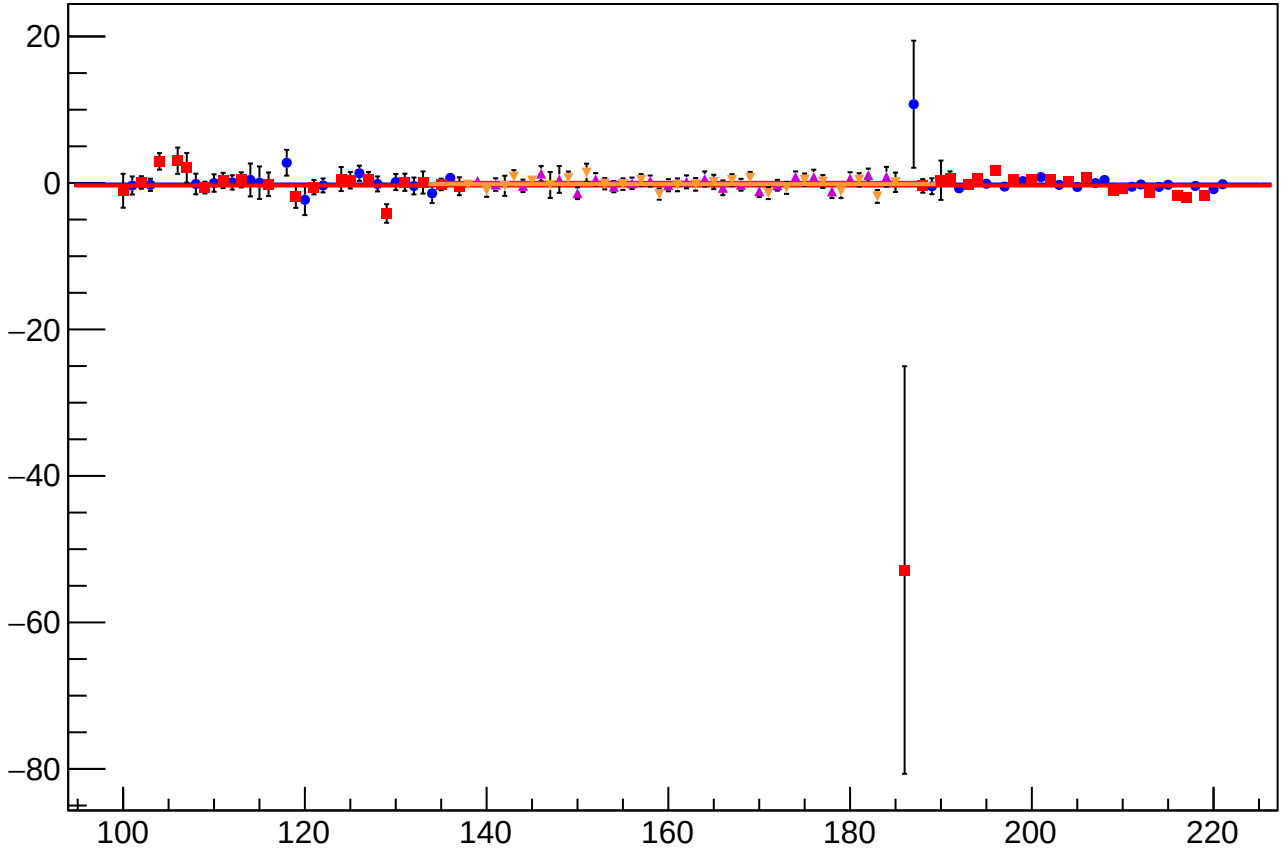
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6373.967+/-0.713 χ^2/NDF: 2222598.3/58

All: 6366.010+/-0.510 χ^2/NDF: 5175751.0/11

- sign 6357.687+/-0.730 χ^2/NDF: 2952898.2/59

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.212+/-0.109 χ^2/NDF: 21.6/33

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.353+/-0.116 χ^2/NDF: 102.1/36

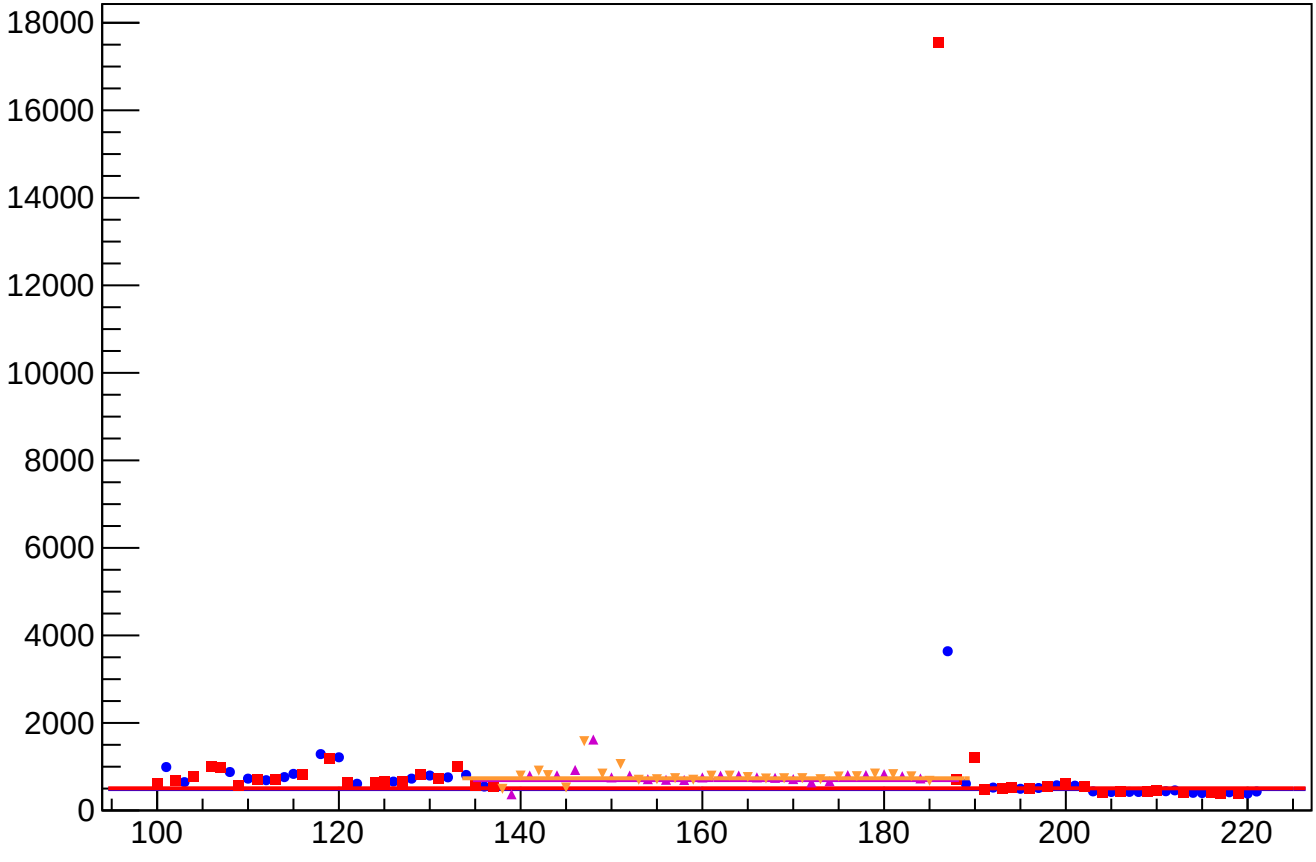
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.198+/-0.092 χ^2/NDF: 40.7/58

All: -0.216+/-0.066 χ^2/NDF: 161.3/118

- sign -0.235+/-0.095 χ^2/NDF: 120.6/59

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 488.671+/-0.077 χ^2/NDF: 2994202.1/33

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 506.039+/-0.082 χ^2/NDF: 3393972.1/36

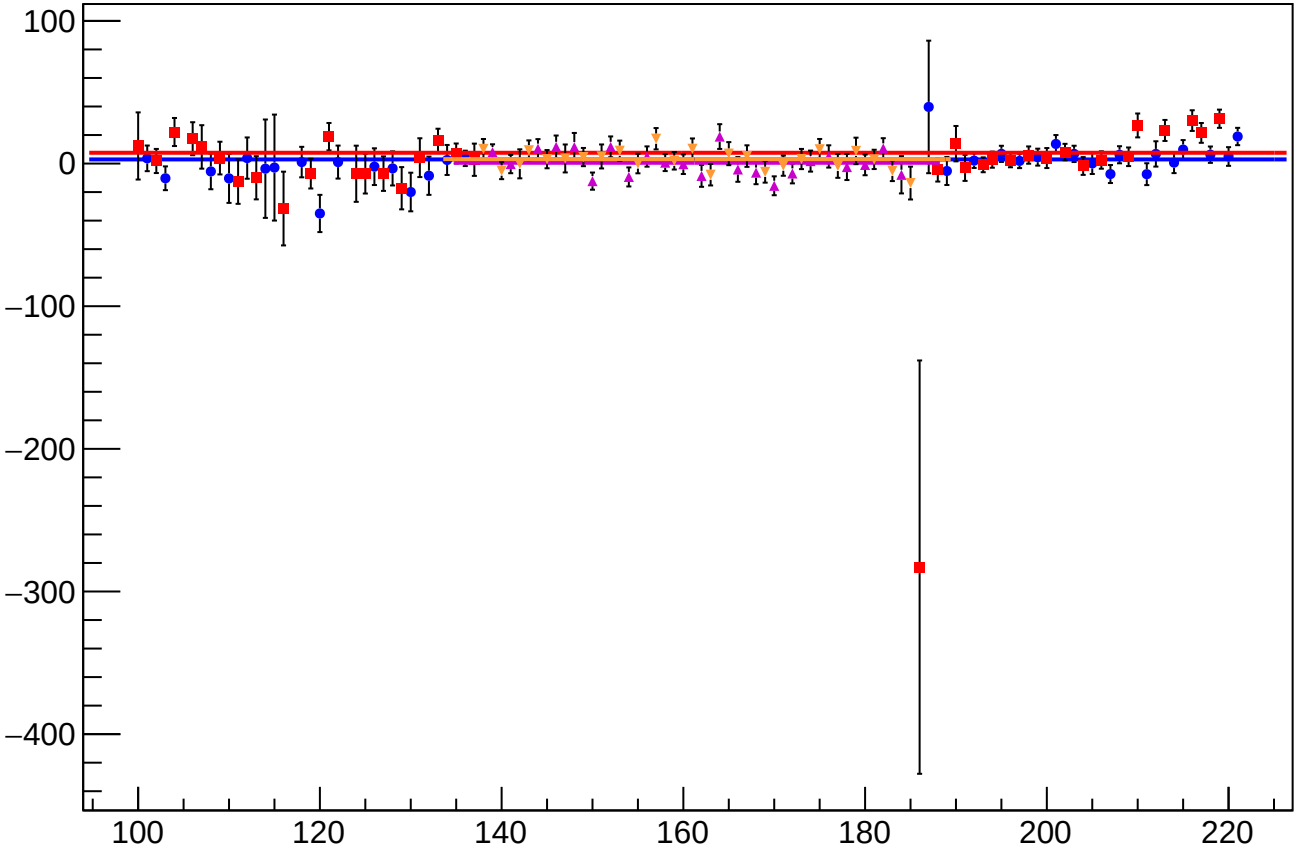
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 558.884+/-0.065 χ^2/NDF: 7262314.4/58

All: 562.287+/-0.047 χ^2/NDF: 14574338.7/11

- sign 565.956+/-0.067 χ^2/NDF: 7306324.7/59

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 2.898+/-1.338 χ^2/NDF: 35.2/33

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 7.564+/-1.367 χ^2/NDF: 72.5/36

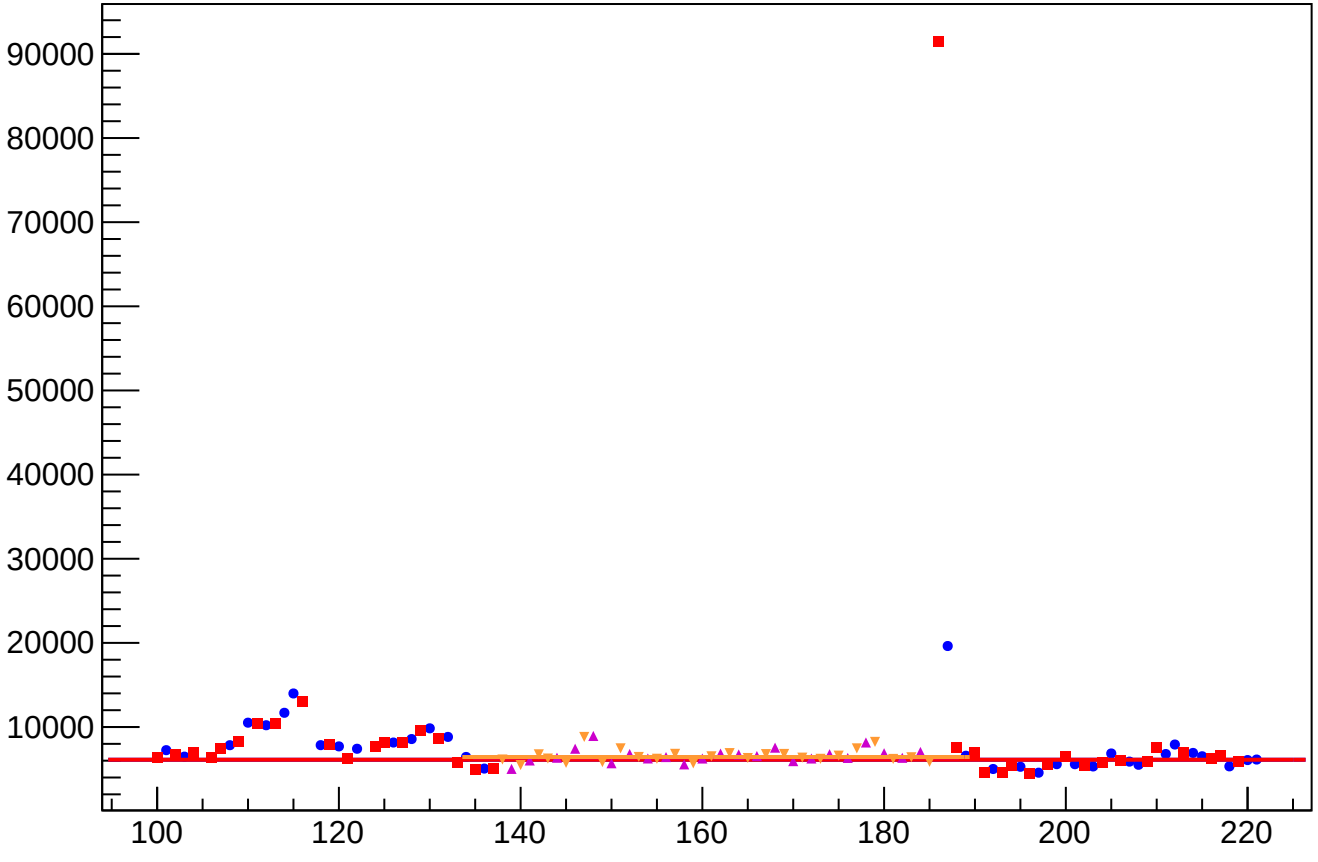
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.994+/-0.991 χ^2/NDF: 54.0/58

All: 3.686+/-0.709 χ^2/NDF: 172.8/118

- sign 4.410+/-1.014 χ^2/NDF: 117.9/59

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6108.331+/-0.946 χ^2/NDF: 1837759.3/33

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

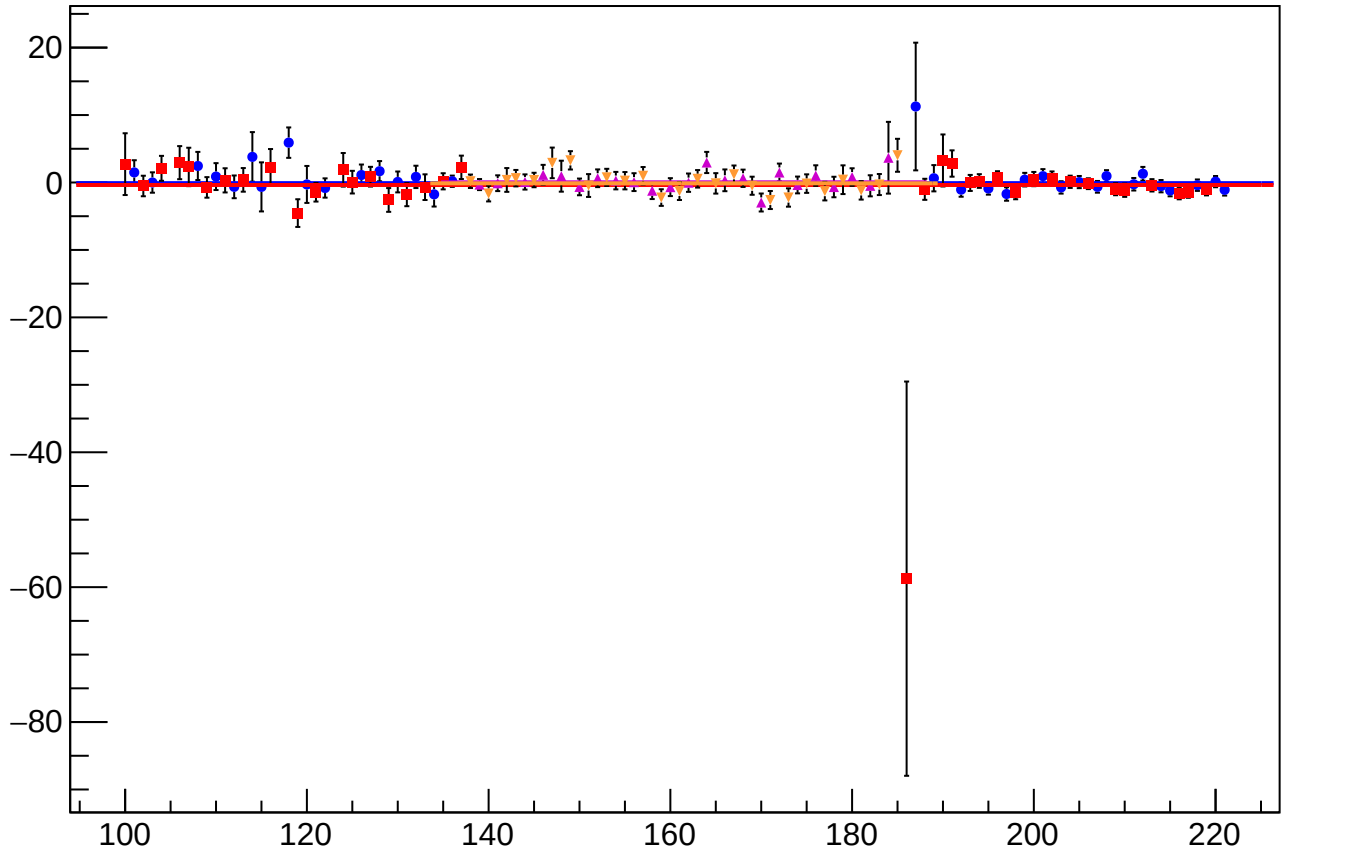
Right Out: 6112.024+/-0.967 χ^2/NDF: 2430142.7/36

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6255.774+/-0.701 χ^2/NDF: 2308978.7/58

All: 6249.960+/-0.501 χ^2/NDF: 5305706.3/11

- sign 6243.874+/-0.717 χ^2/NDF: 2996586.7/59



Right In: -0.097+/-0.200 χ^2/NDF: 28.9/33

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.370+/-0.208 χ^2/NDF: 36.1/36

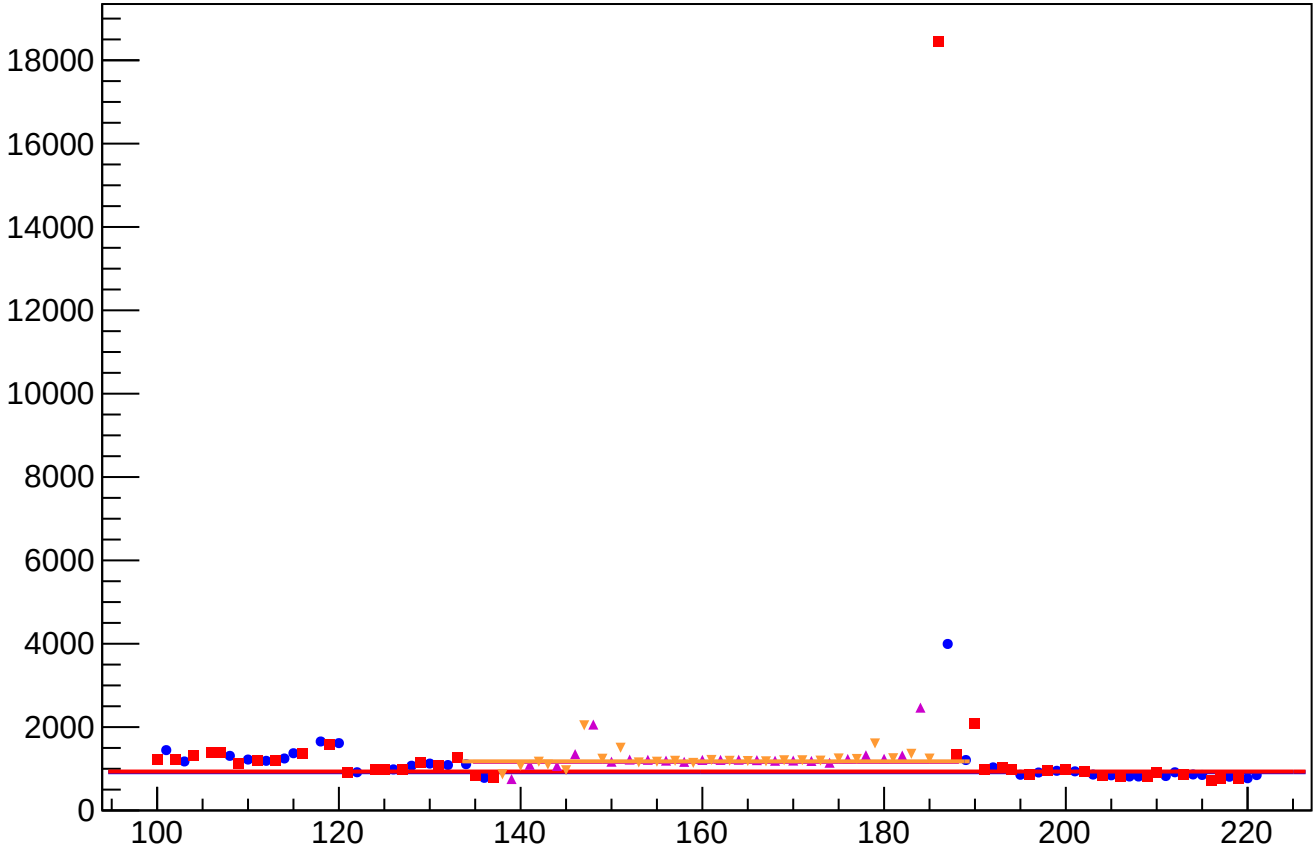
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.106+/-0.161 χ^2/NDF: 55.9/58

All: -0.164+/-0.116 χ^2/NDF: 108.0/118

- sign -0.227+/-0.167 χ^2/NDF: 51.8/59

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 917.341+/-0.141 χ^2/NDF: 1462501.7/33

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

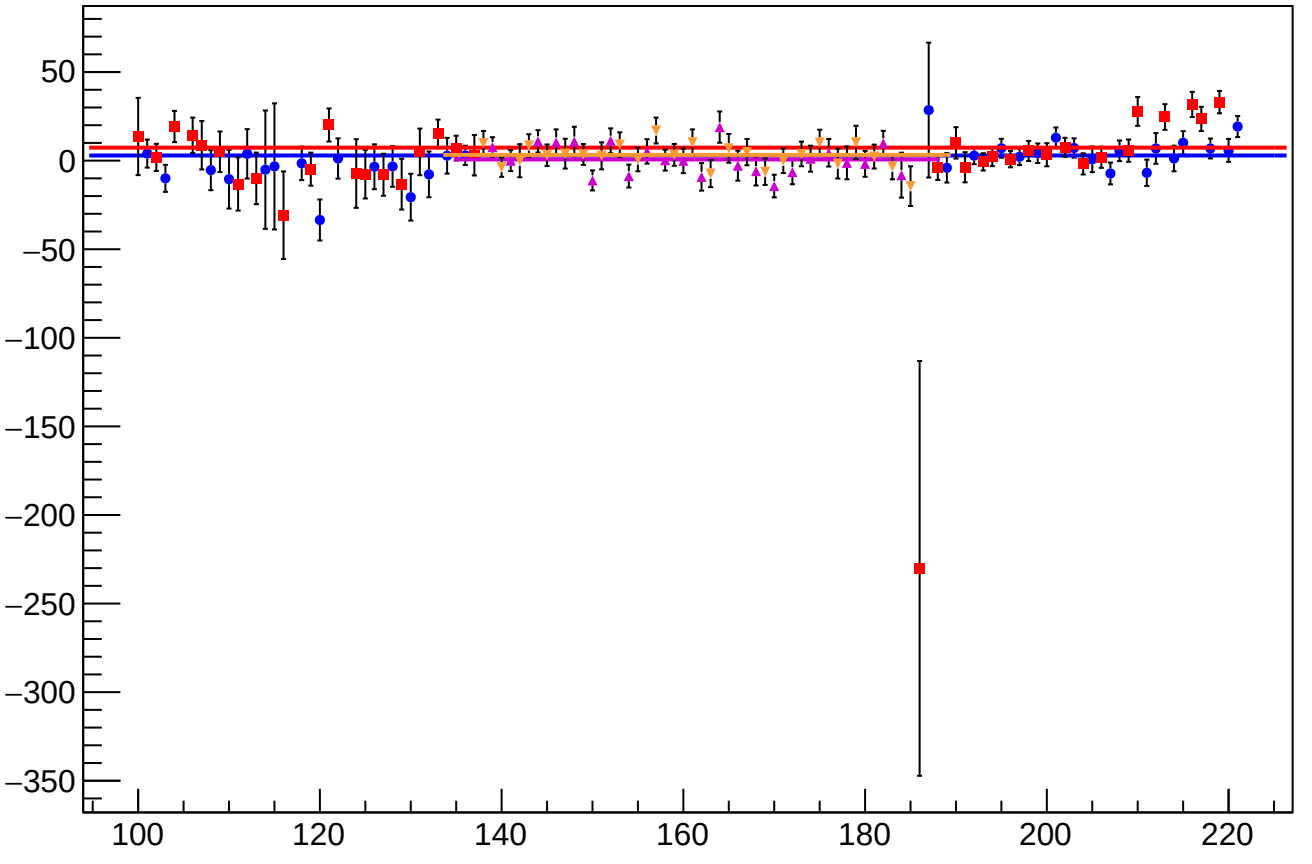
Right Out: 933.832+/-0.147 χ^2/NDF: 2285040.0/36

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1007.956+/-0.114 χ^2/NDF: 3446596.7/58

All: 1012.027+/-0.082 χ^2/NDF: 7660405.0/11

- sign 1016.387+/-0.118 χ^2/NDF: 4211169.1/59



Right In: 2.908+/-1.275 χ^2/NDF: 38.6/33

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 7.342+/-1.290 χ^2/NDF: 82.6/36

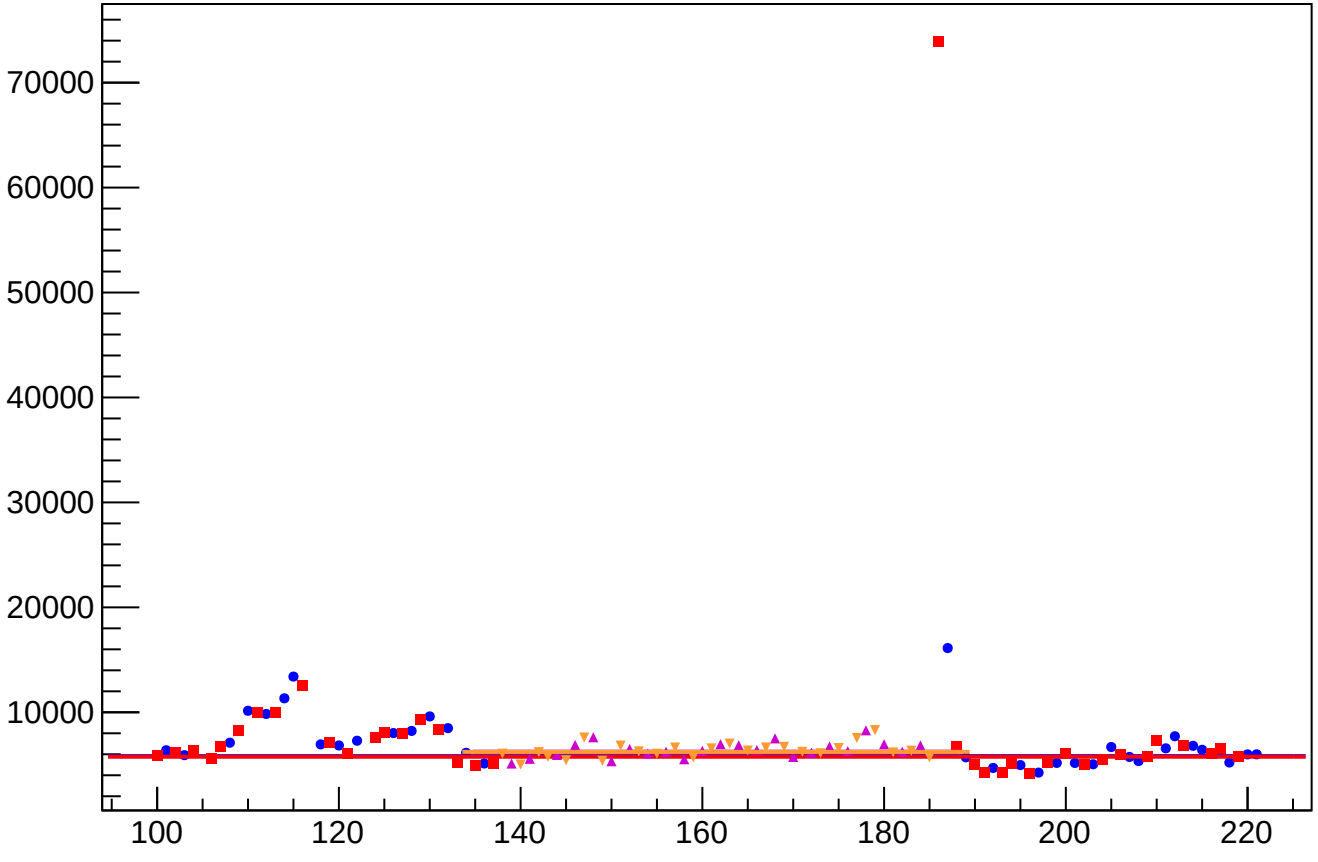
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 3.053+/-0.951 χ^2/NDF: 56.5/58

All: 3.735+/-0.680 χ^2/NDF: 184.1/118

- sign 4.445+/-0.971 χ^2/NDF: 126.5/59

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5822.841+/-0.901 χ^2/NDF: 1855087.9/33

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5770.009+/-0.912 χ^2/NDF: 2508409.6/36

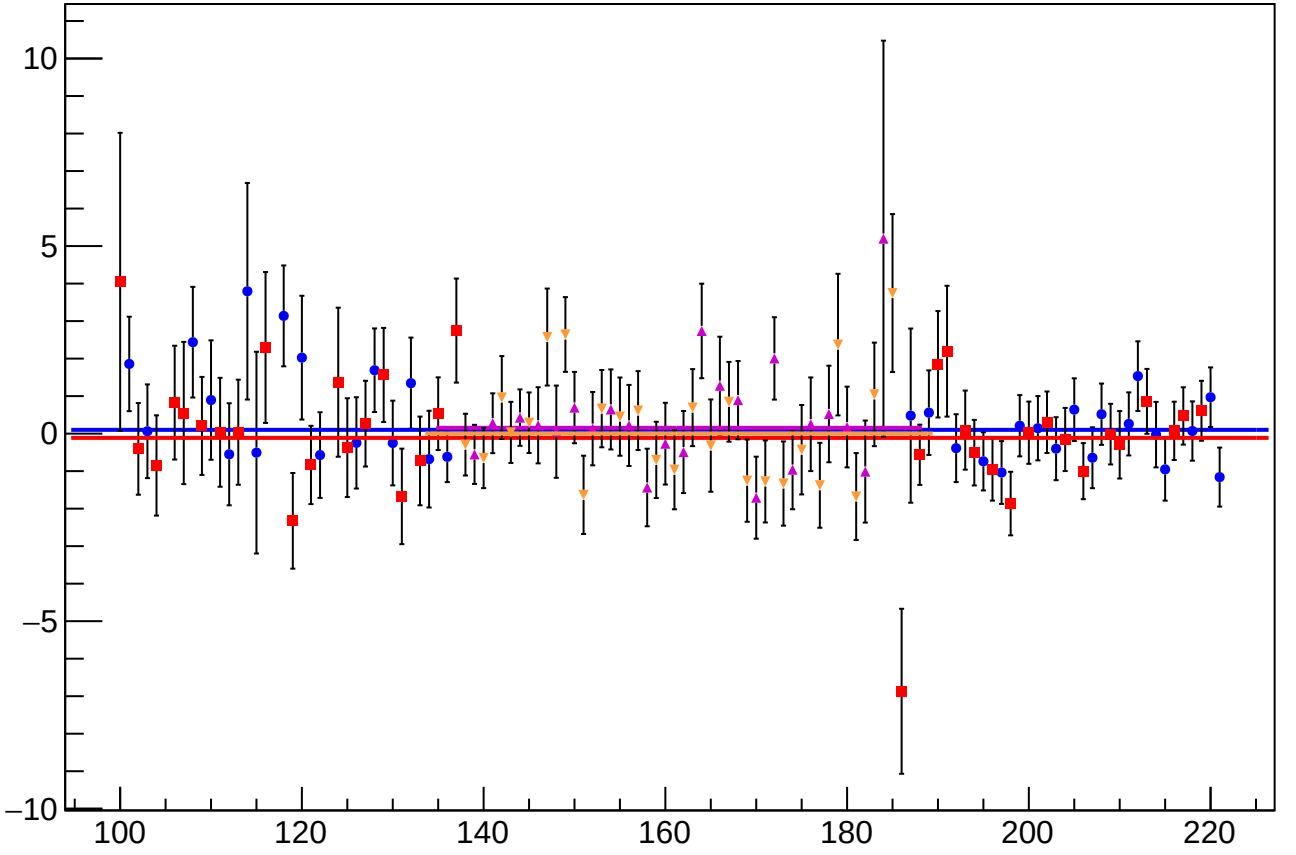
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6002.598+/-0.673 χ^2/NDF: 2415713.4/58

All: 5990.023+/-0.481 χ^2/NDF: 5528313.9/11

- sign 5976.931+/-0.686 χ^2/NDF: 3111887.5/59

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.101+/-0.170 χ^2/NDF: 31.4/33

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.114+/-0.173 χ^2/NDF: 39.4/36

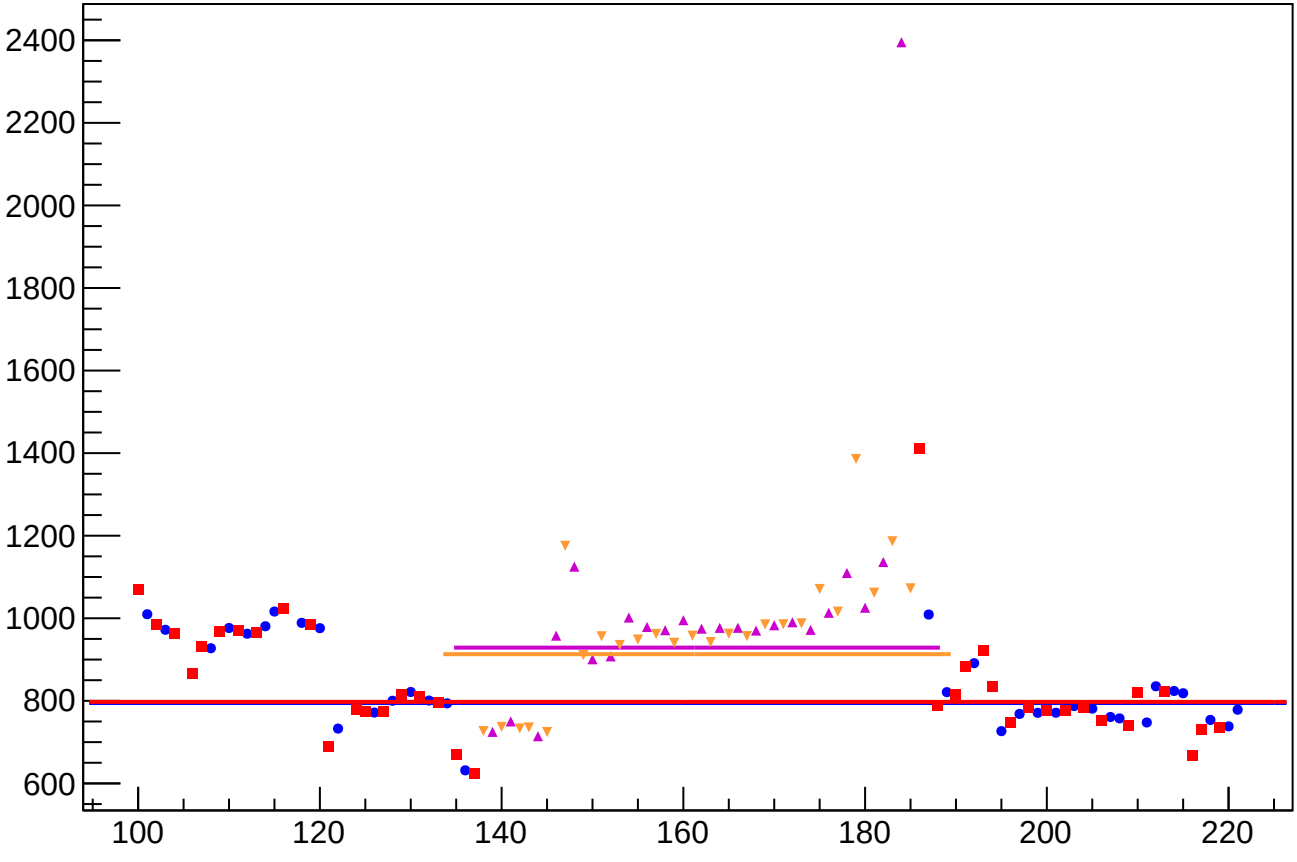
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.062+/-0.133 χ^2/NDF: 63.2/58

All: 0.026+/-0.095 χ^2/NDF: 122.0/118

- sign -0.012+/-0.136 χ^2/NDF: 58.7/59

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 794.792+/-0.120 χ^2/NDF: 483804.9/33

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

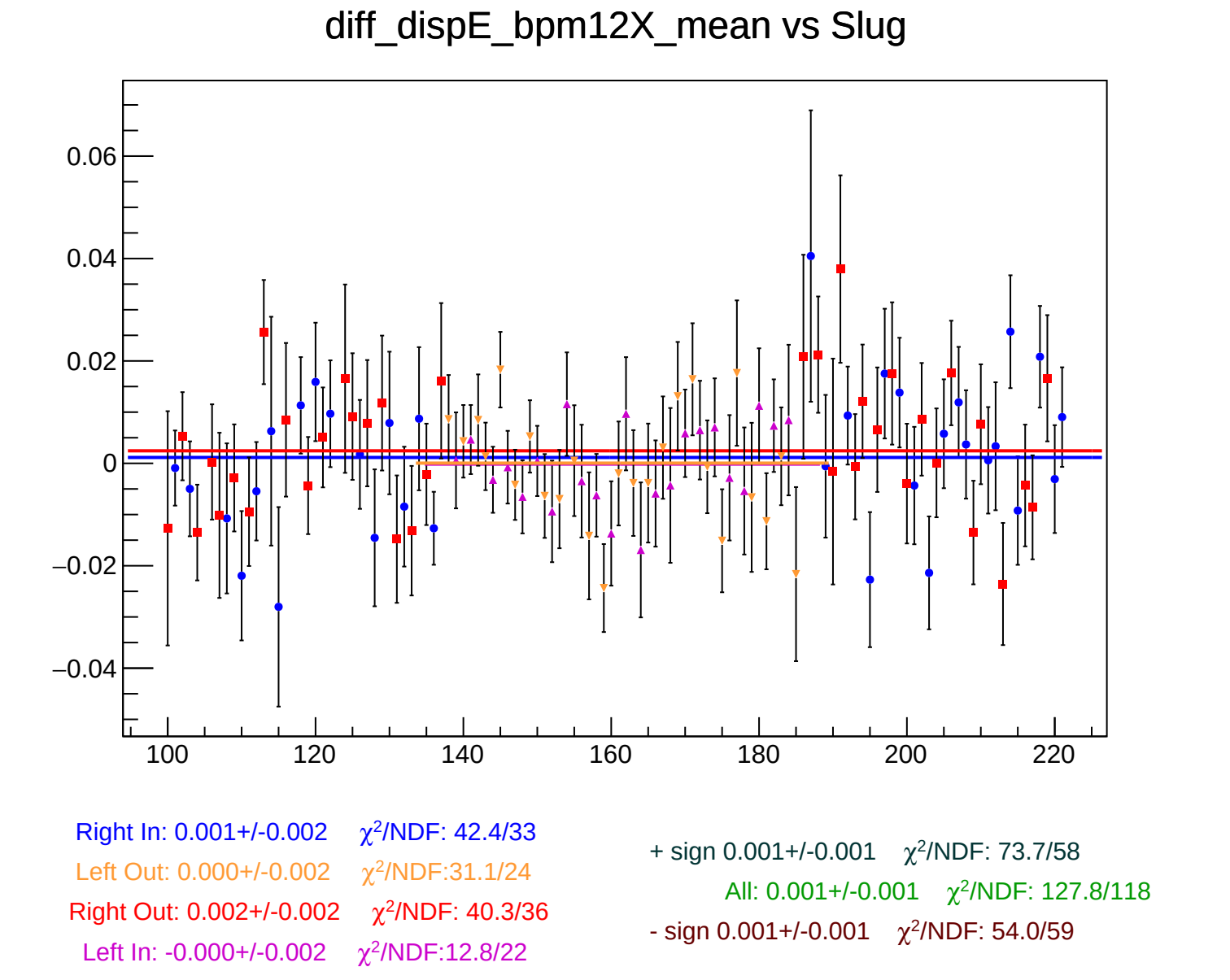
Right Out: 797.498+/-0.122 χ^2/NDF: 657961.4/36

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

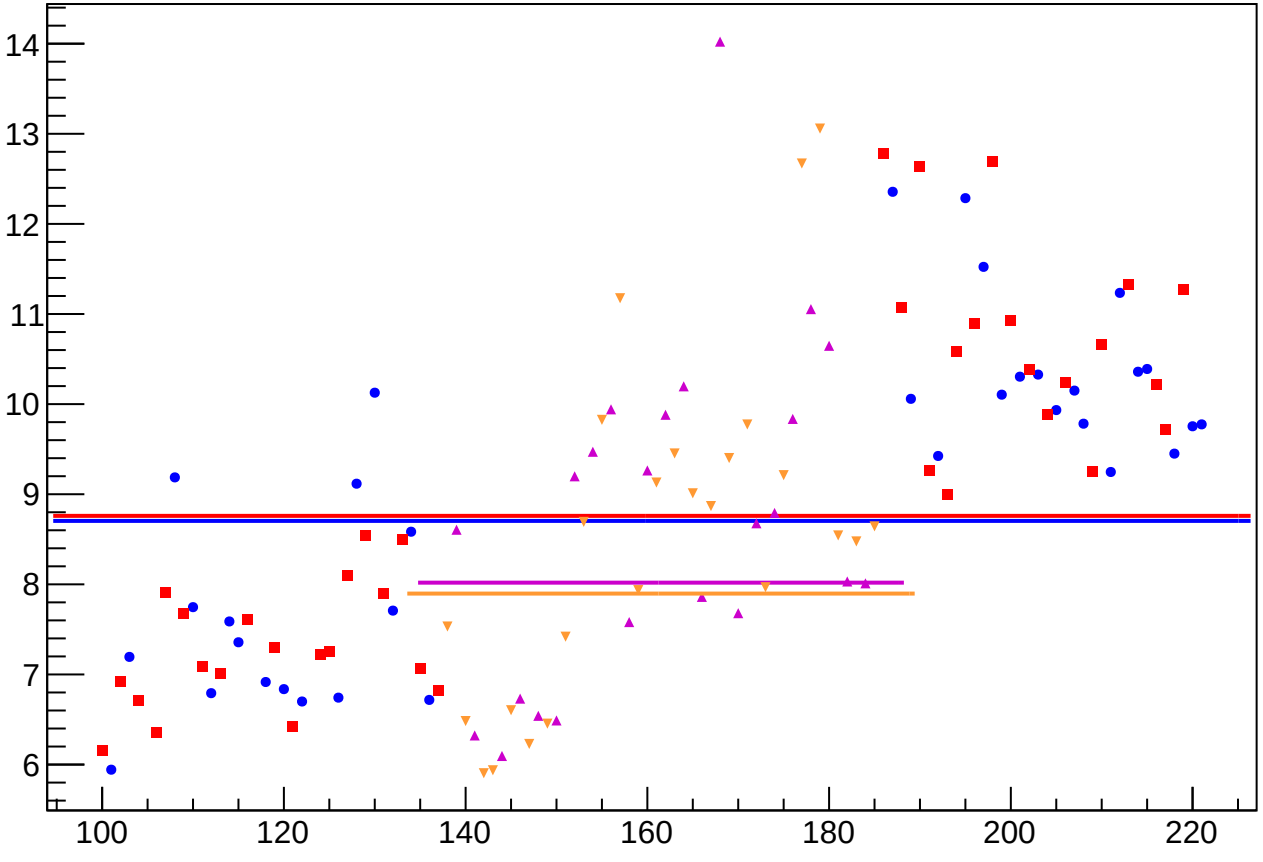
+ sign 841.194+/-0.094 χ^2/NDF: 1751595.1/58

All: 844.255+/-0.067 χ^2/NDF: 3618723.5/118

- sign 847.486+/-0.096 χ^2/NDF: 1864941.7/59


diff_dispE_bpm12X_mean vs Slug
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: 0.001+/-0.002 χ²/NDF: 42.4/33
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.002+/-0.002 χ²/NDF: 40.3/36
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign 0.001+/-0.001 χ²/NDF: 73.7/58
All: 0.001+/-0.001 χ²/NDF: 127.8/118
- sign 0.001+/-0.001 χ²/NDF: 54.0/59

diff_dispE_bpm12X_rms vs Slug



Right In: 8.704+/-0.001 χ^2/NDF: 1650739.1/33

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

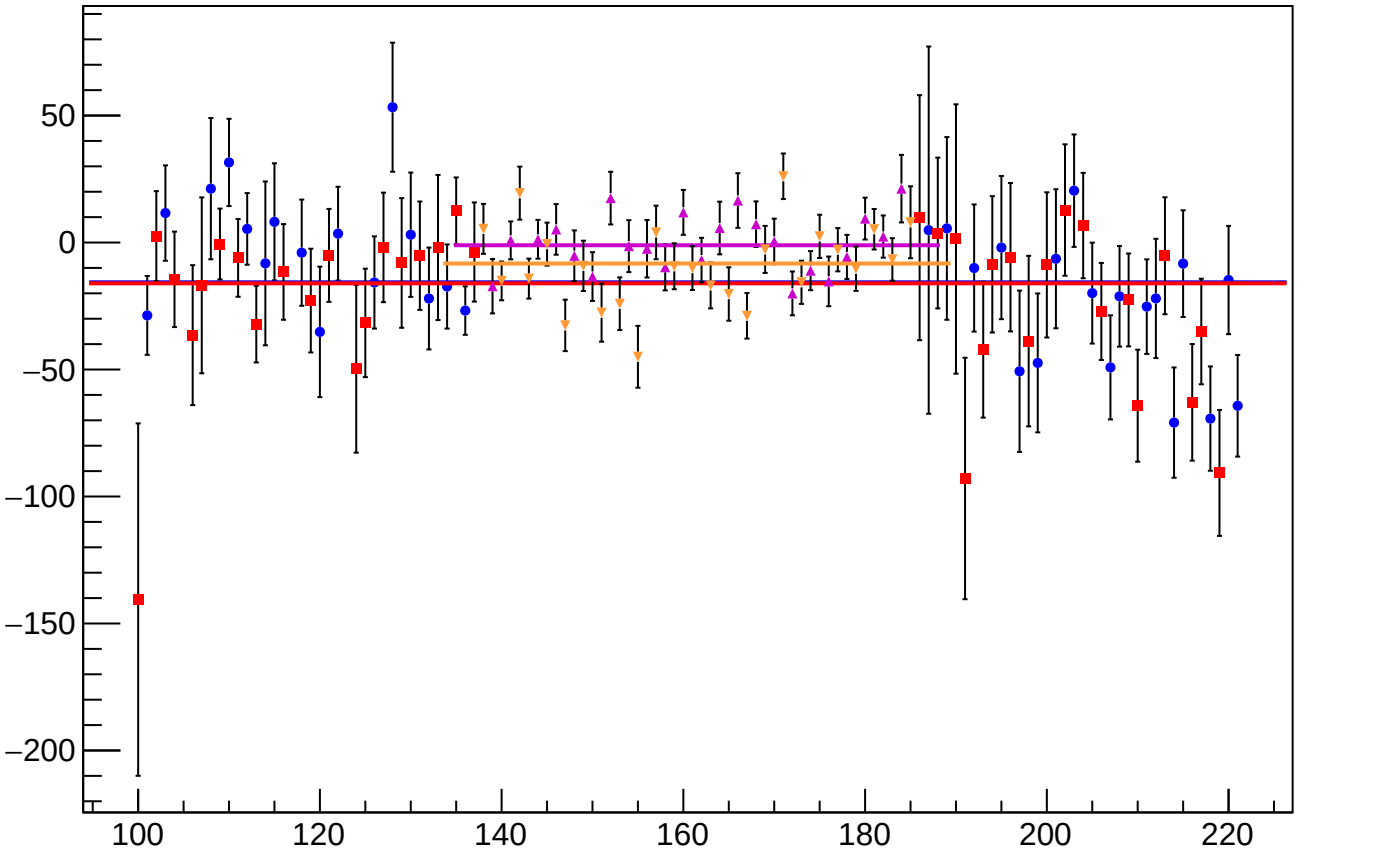
Right Out: 8.760+/-0.001 χ^2/NDF: 1727032.9/36

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

\+ sign 8.290+/-0.001 χ^2/NDF: 3427927.5/58

All: 8.337+/-0.001 χ^2/NDF: 6764154.1/118

\- sign 8.386+/-0.001 χ^2/NDF: 3331069.4/59



Right In: -15.664+/-3.476 χ^2/NDF: 55.4/33

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -16.050+/-3.609 χ^2/NDF: 43.0/36

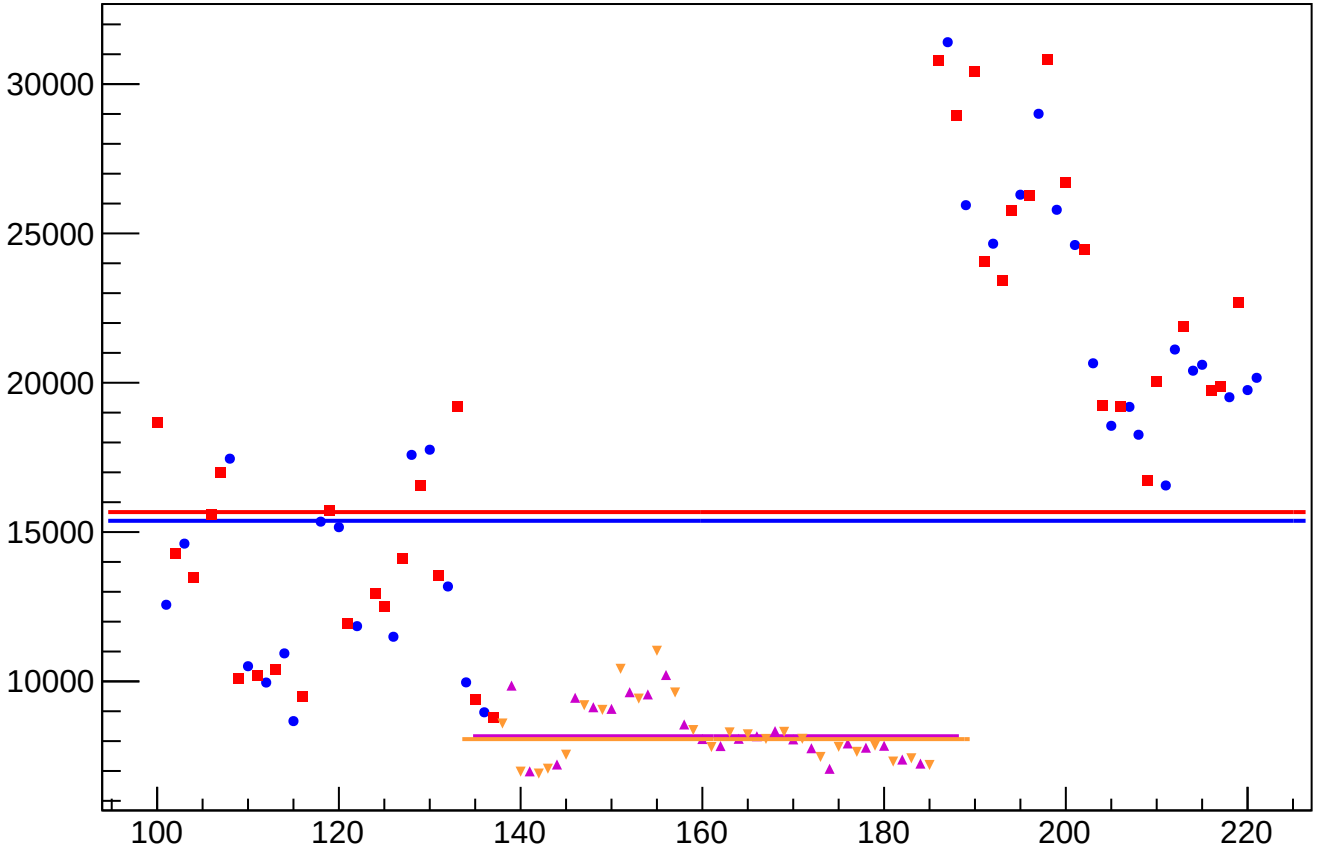
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -9.891+/-1.633 χ^2/NDF: 121.1/58

All: -7.239+/-1.176 χ^2/NDF: 211.8/118

- sign -4.378+/-1.696 χ^2/NDF: 85.3/59

diff_targ_positionX_rms vs Slug



Right In: 15377.139+/-2.458 χ^2/NDF: 4728305.8/33

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

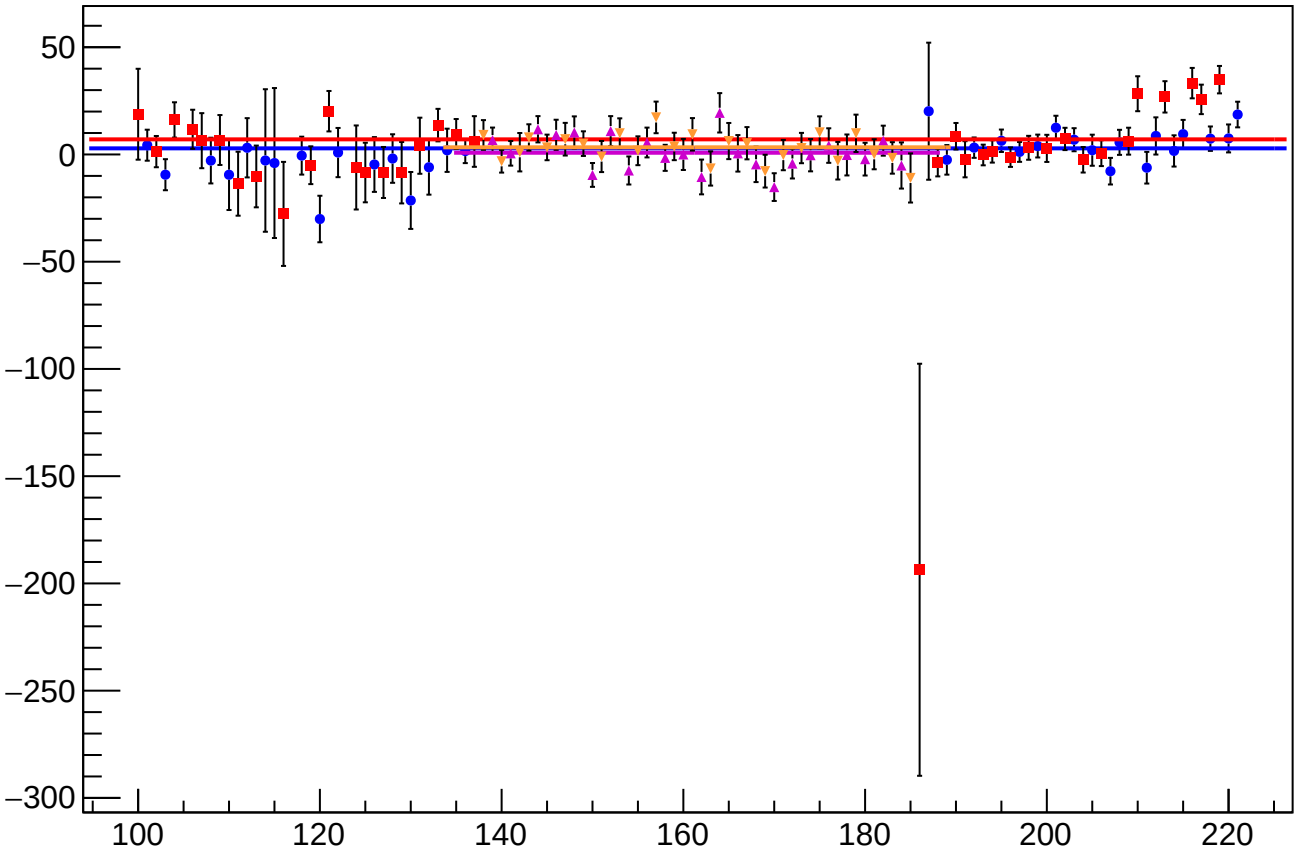
Right Out: 15669.241+/-2.552 χ^2/NDF: 5115495.2/36

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9679.822+/-1.154 χ^2/NDF: 12121918.8/58

All: 9747.308+/-0.832 χ^2/NDF: 24417071.4/1

- sign 9820.101+/-1.199 χ^2/NDF: 12288049.7/59



Right In: 2.845+/-1.255 χ^2/NDF: 37.0/33

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 7.042+/-1.255 χ^2/NDF: 91.2/36

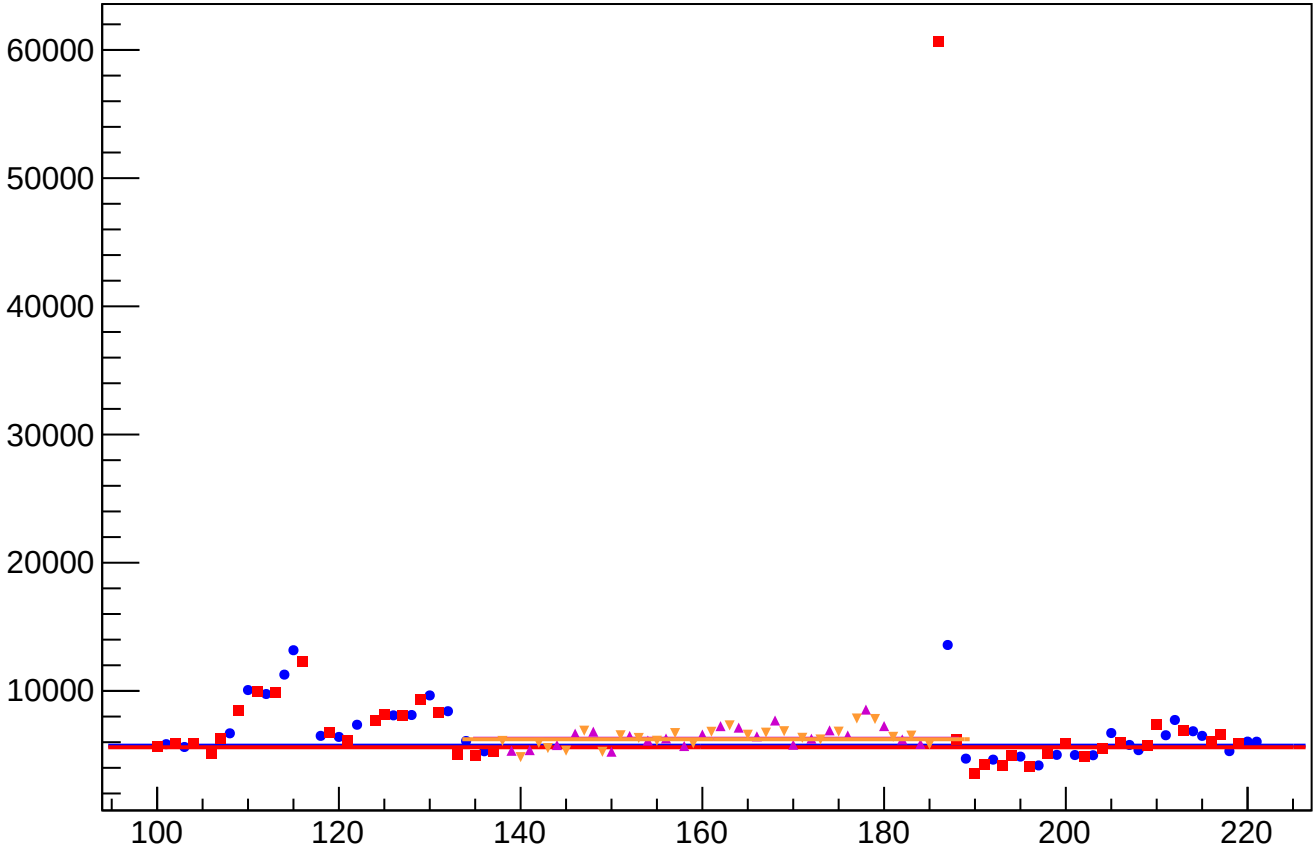
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 3.056+/-0.943 χ^2/NDF: 54.0/58

All: 3.731+/-0.672 χ^2/NDF: 185.9/118

- sign 4.426+/-0.957 χ^2/NDF: 130.9/59

diff_targ_positionY_rms vs Slug



Right In: 5729.400+/-0.887 χ^2/NDF: 1897205.7/33

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5603.929+/-0.888 χ^2/NDF: 2738557.8/36

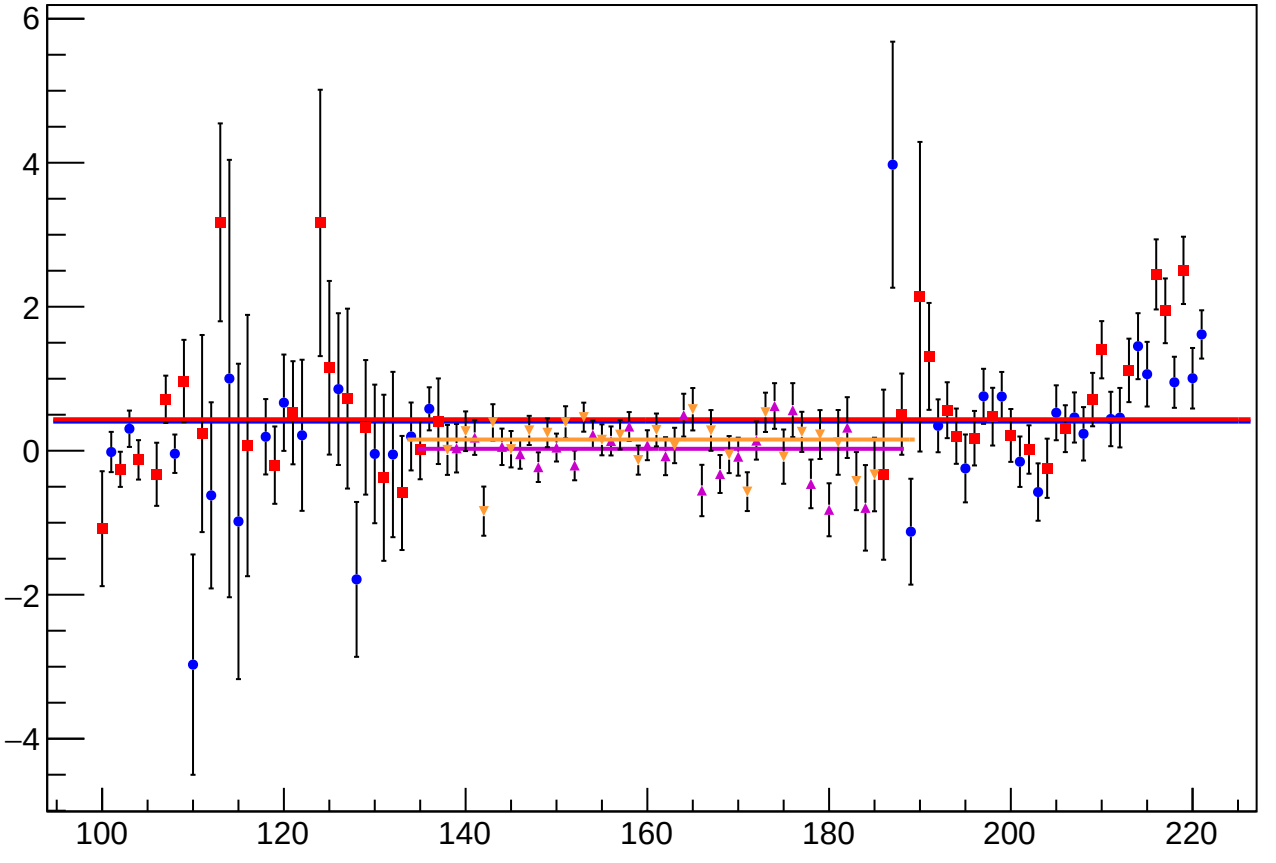
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5947.426+/-0.667 χ^2/NDF: 2568746.7/58

All: 5915.828+/-0.475 χ^2/NDF: 6053001.7/11

- sign 5883.299+/-0.677 χ^2/NDF: 3479699.7/59

diff_targ_thetaX_mean vs Slug



Right In: 0.404+/-0.074 χ^2/NDF: 63.0/33

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.437+/-0.078 χ^2/NDF: 96.8/36

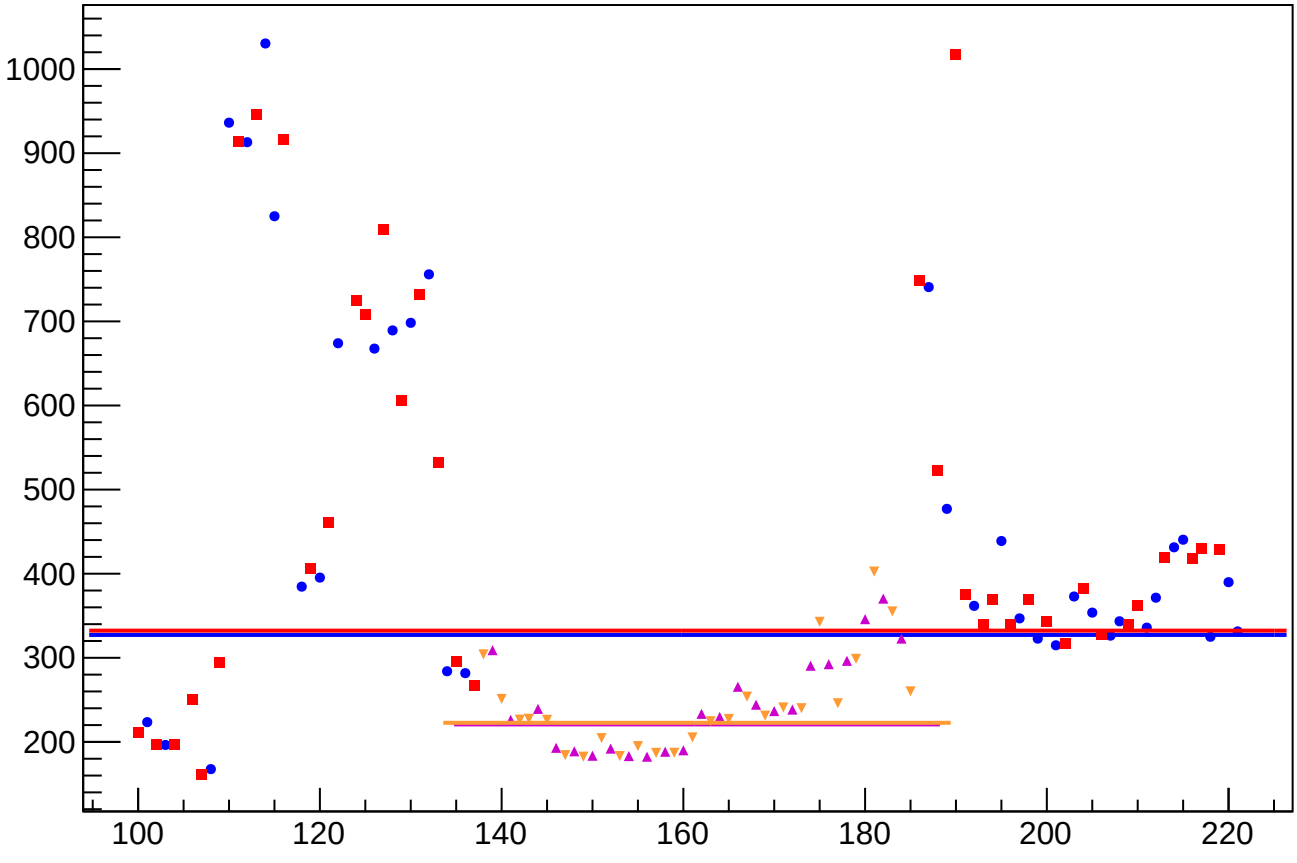
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.237+/-0.043 χ^2/NDF: 102.8/58

All: 0.198+/-0.030 χ^2/NDF: 250.3/118

- sign 0.157+/-0.044 χ^2/NDF: 145.7/59

diff_targ_thetaX_rms vs Slug



Right In: 327.192+/-0.053 χ^2/NDF: 4480315.8/33

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 332.311+/-0.055 χ^2/NDF: 5090149.0/36

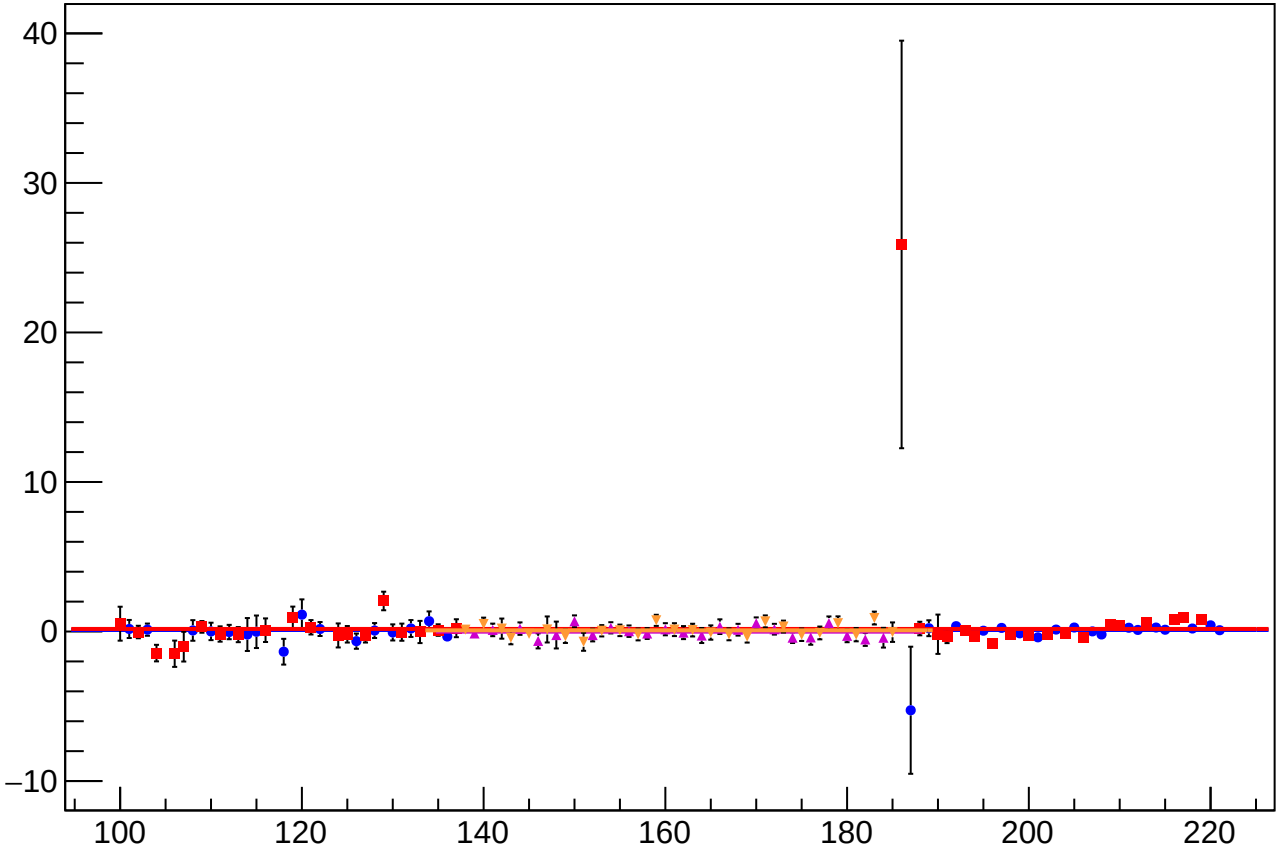
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 257.018+/-0.030 χ^2/NDF: 8590383.2/58

All: 256.666+/-0.022 χ^2/NDF: 17973341.9/11

- sign 256.293+/-0.031 χ^2/NDF: 9382675.8/59

diff_targ_thetaY_mean vs Slug



Right In: 0.104+/-0.053 χ^2/NDF: 21.6/33

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.173+/-0.057 χ^2/NDF: 102.1/36

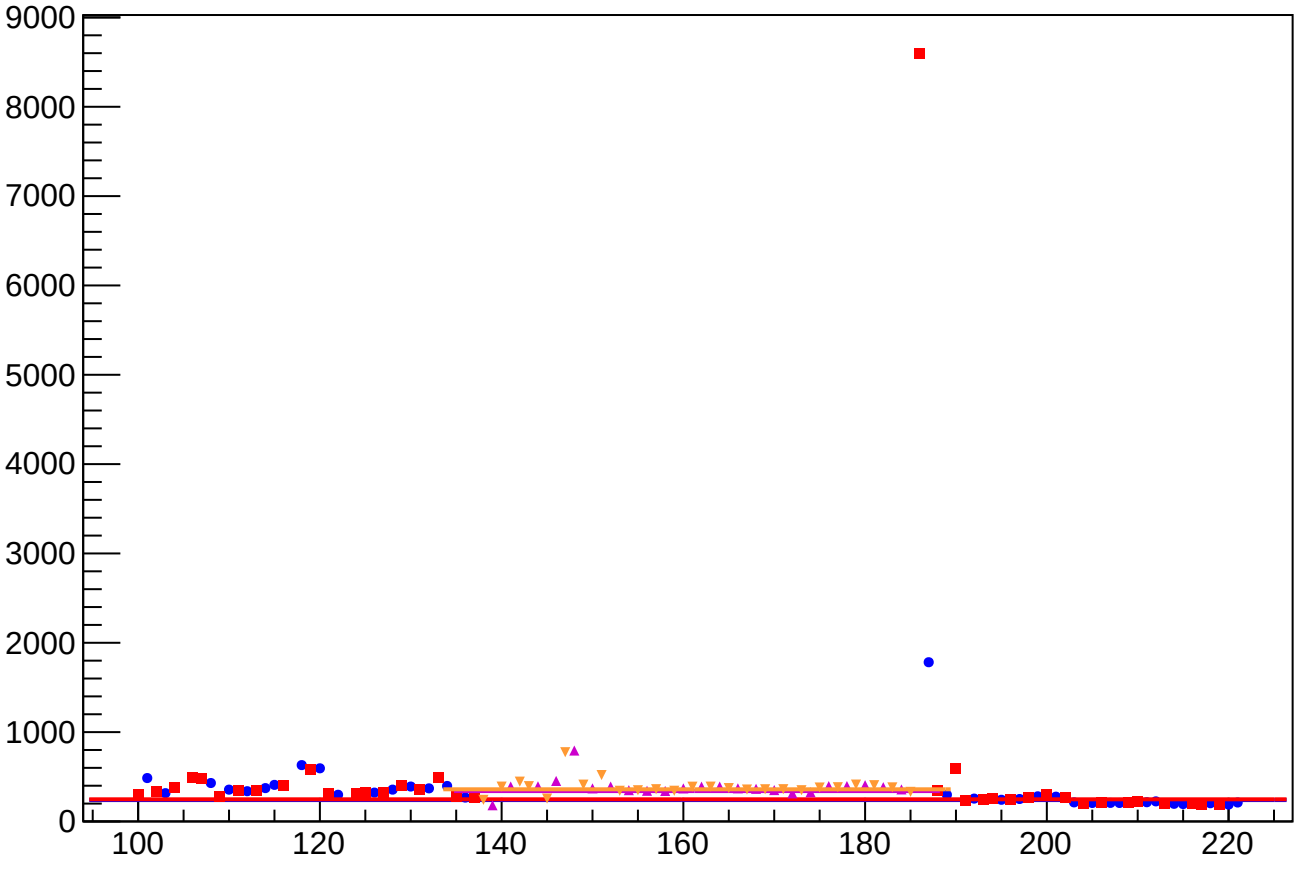
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.097+/-0.045 χ^2/NDF: 40.7/58

All: 0.106+/-0.032 χ^2/NDF: 161.3/118

- sign 0.115+/-0.047 χ^2/NDF: 120.6/59

diff_targ_thetaY_rms vs Slug



Right In: 239.369+/-0.038 χ^2/NDF: 2994202.1/33

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

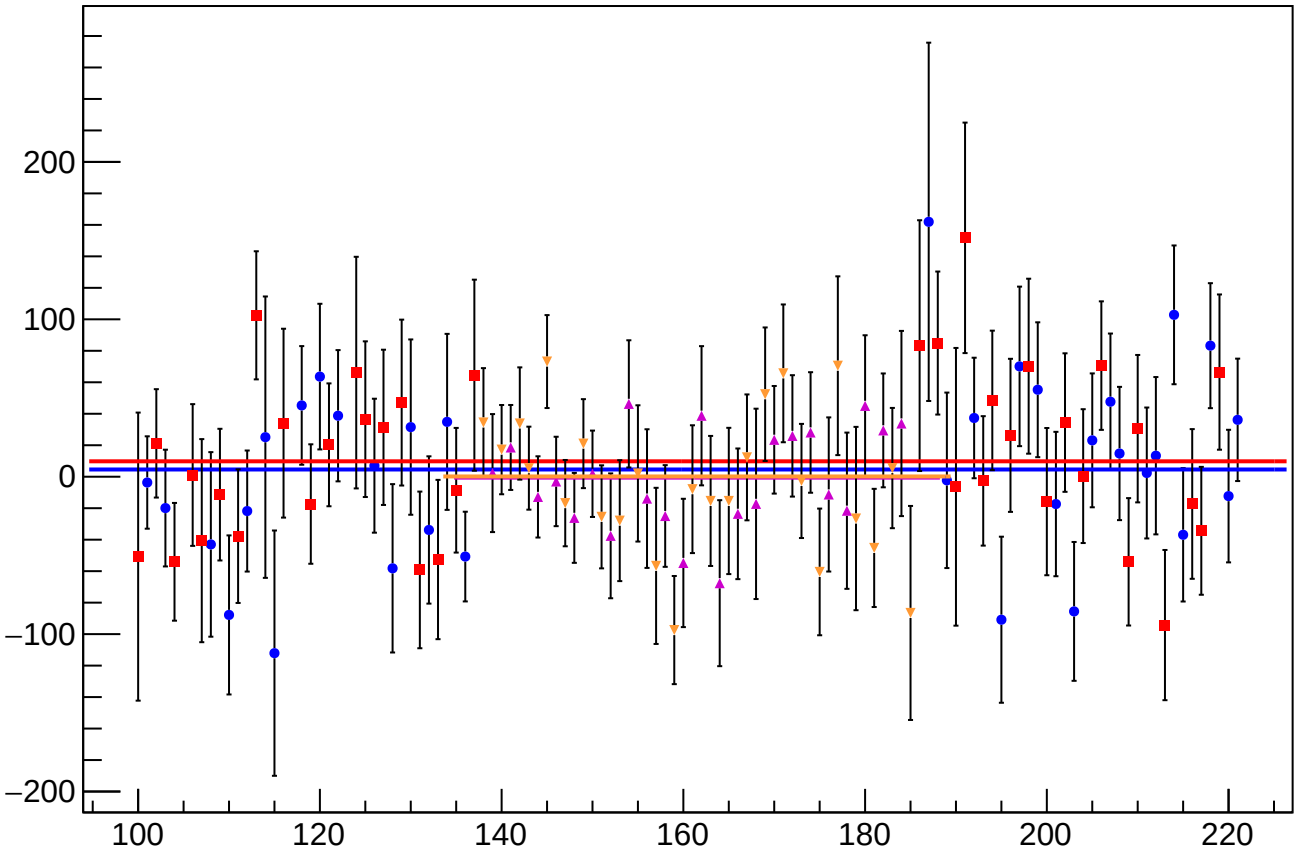
Right Out: 247.876+/-0.040 χ^2/NDF: 3393972.1/36

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 273.761+/-0.032 χ^2/NDF: 7262314.4/58

All: 275.428+/-0.023 χ^2/NDF: 14574338.7/11

- sign 277.225+/-0.033 χ^2/NDF: 7306324.7/59



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

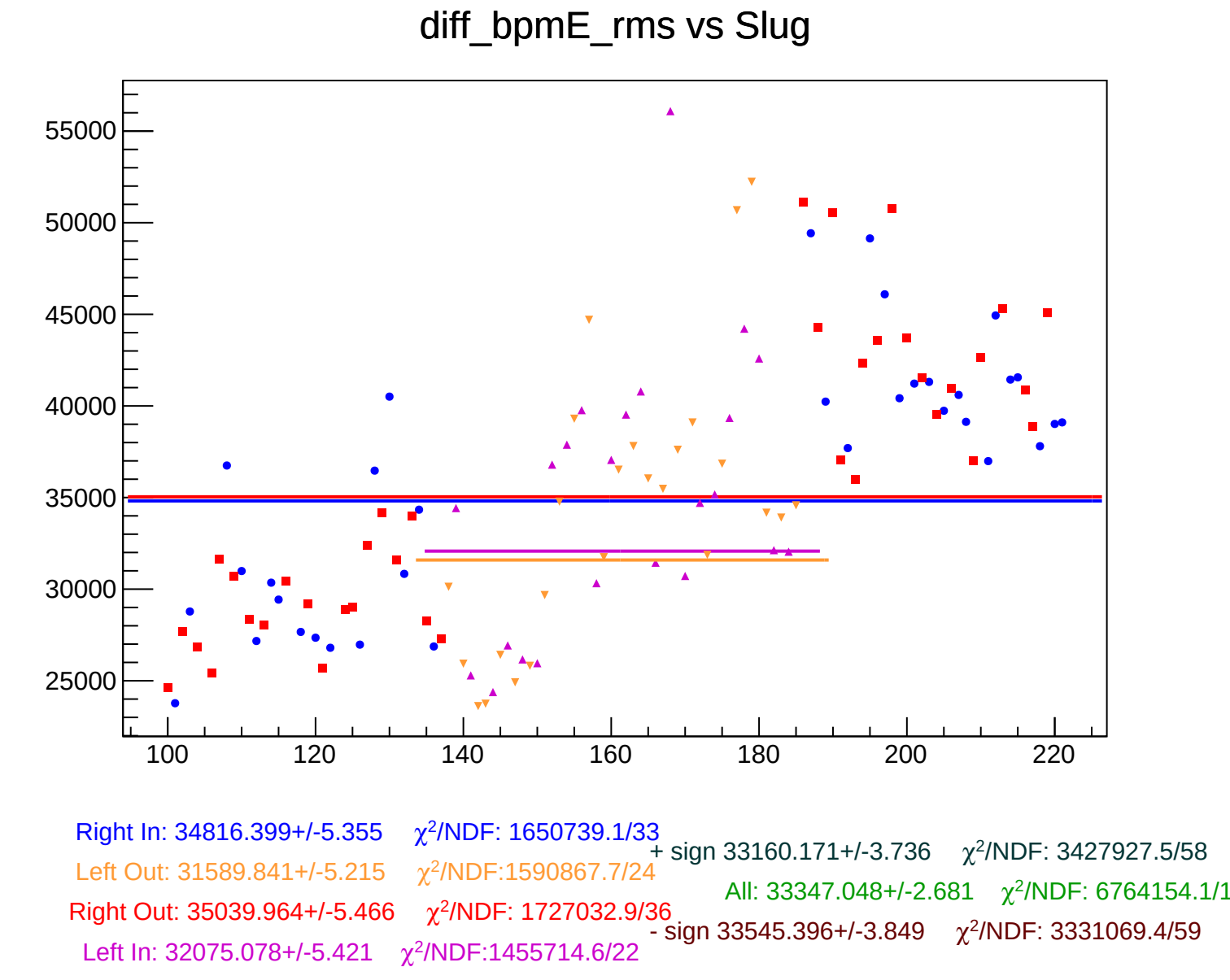
Right Out: 9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

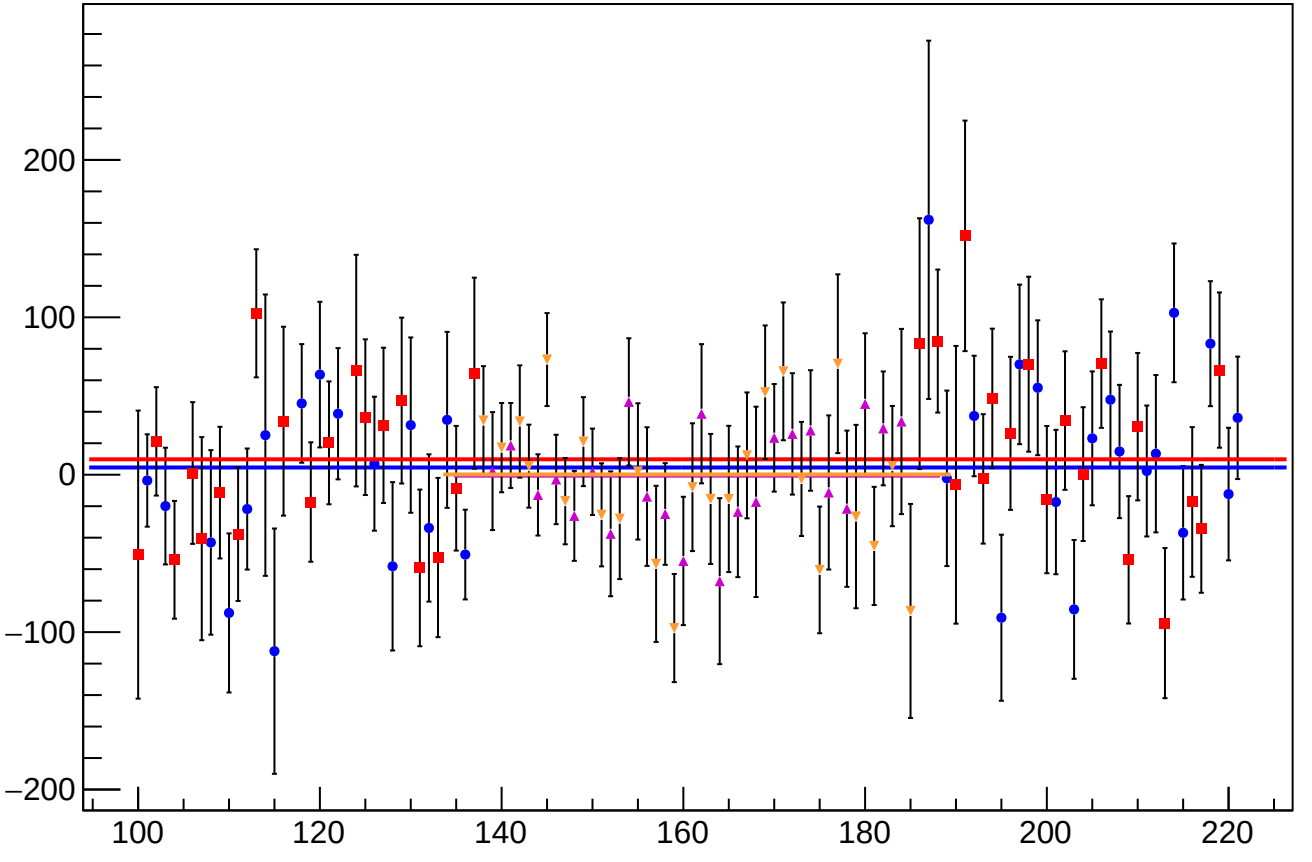
+ sign 2.322+/-5.284 χ^2/NDF: 73.7/58

All: 3.408+/-3.791 χ^2/NDF: 127.8/118

- sign 4.561+/-5.443 χ^2/NDF: 54.0/59


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34816.399+/-5.355 χ²/NDF: 1650739.1/33
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 33160.171+/-3.736 χ²/NDF: 3427927.5/58
All: 33347.048+/-2.681 χ²/NDF: 6764154.1/1
- sign 33545.396+/-3.849 χ²/NDF: 3331069.4/59

diff_bpmEX_mean vs Slug



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

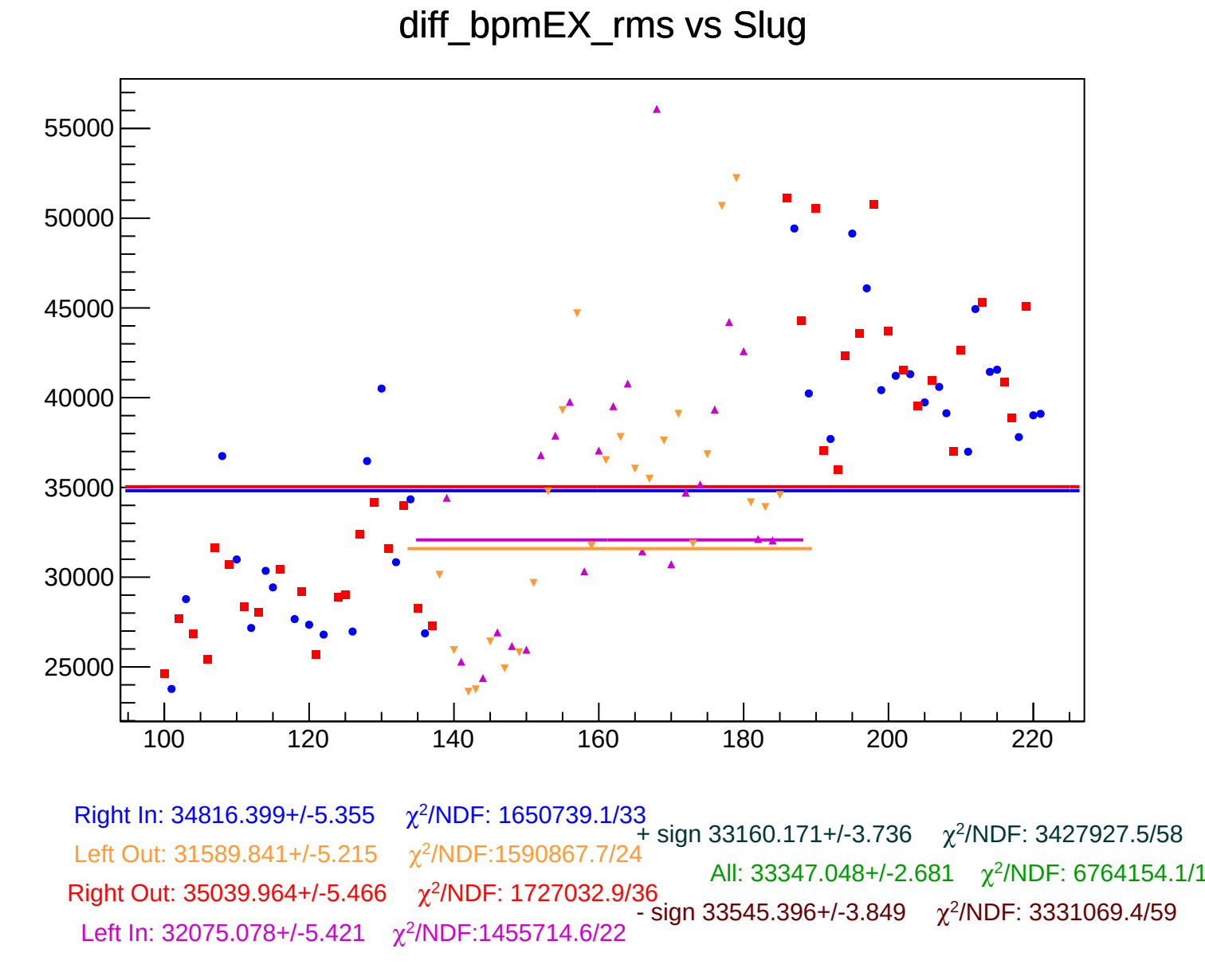
Right Out: 9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

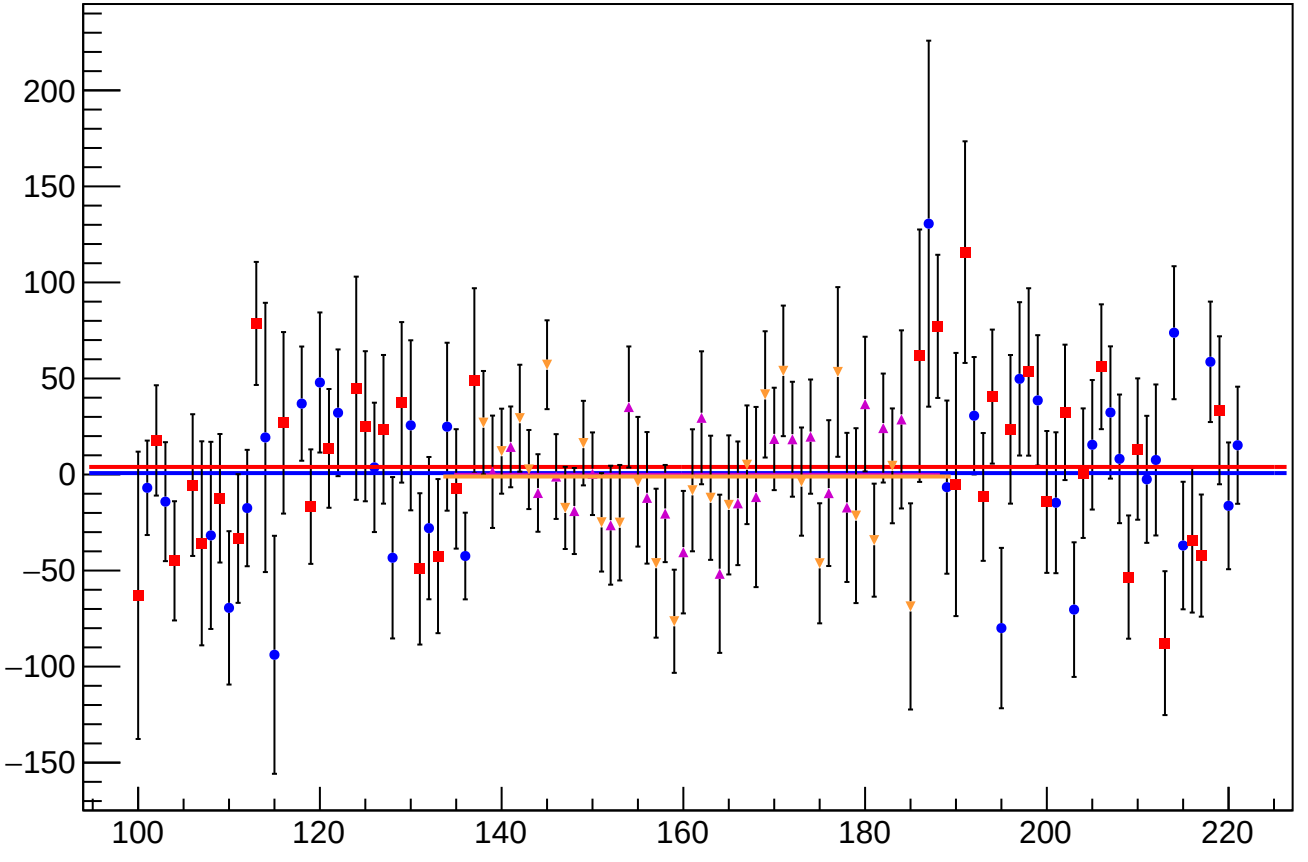
+ sign 2.322+/-5.284 χ^2/NDF: 73.7/58

All: 3.408+/-3.791 χ^2/NDF: 127.8/118

- sign 4.561+/-5.443 χ^2/NDF: 54.0/59


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34816.399+/-5.355 χ²/NDF: 1650739.1/33
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 33160.171+/-3.736 χ²/NDF: 3427927.5/58
All: 33347.048+/-2.681 χ²/NDF: 6764154.1/1
- sign 33545.396+/-3.849 χ²/NDF: 3331069.4/59

diff_bpmE_11X12X_mean vs Slug



Right In: 0.738+/-6.029 χ^2/NDF: 41.1/33

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 3.944+/-6.159 χ^2/NDF: 45.5/36

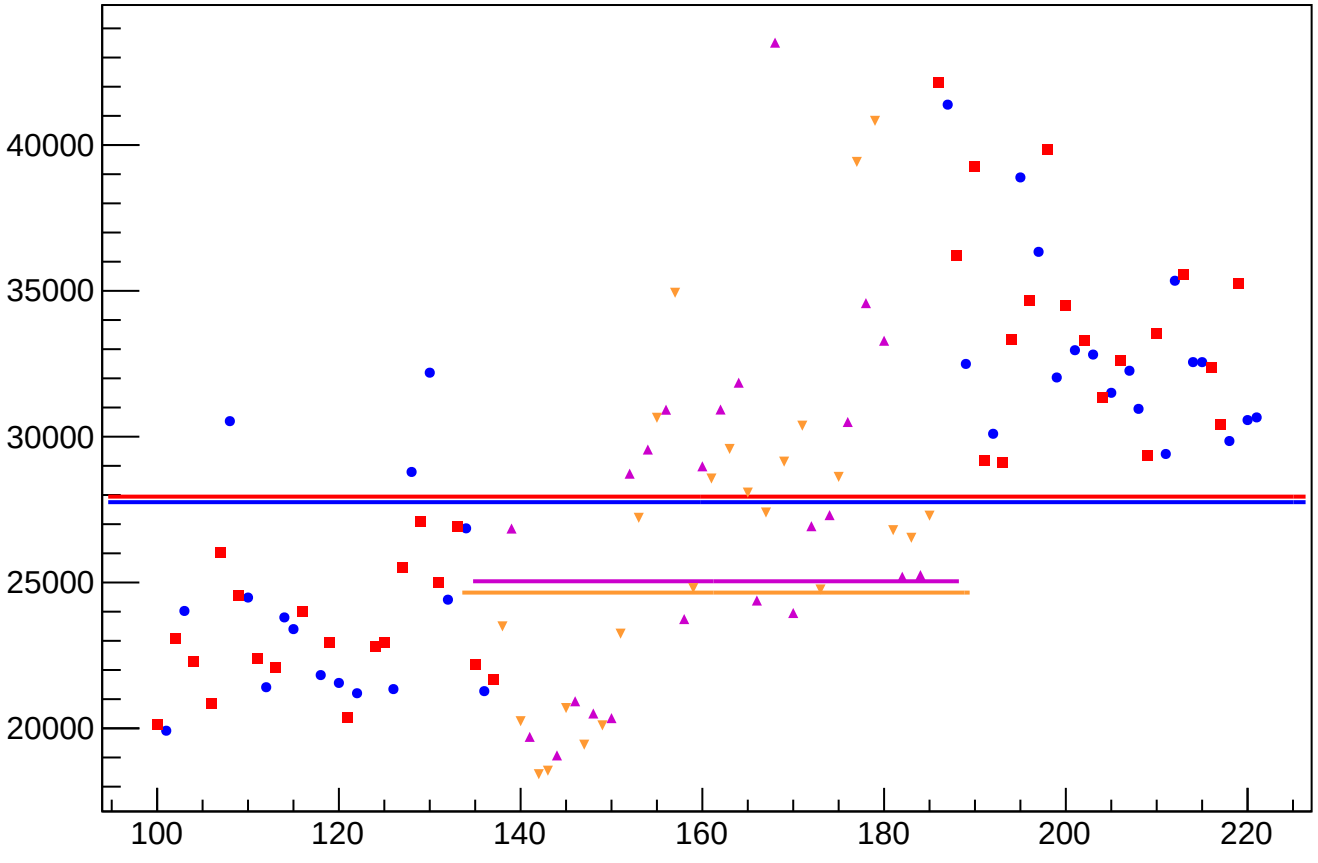
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -0.193+/-4.163 χ^2/NDF: 73.4/58

All: 0.792+/-2.988 χ^2/NDF: 131.4/118

- sign 1.840+/-4.292 χ^2/NDF: 57.8/59

diff_bpmE_11X12X_rms vs Slug



Right In: 27754.413+/-4.263 χ^2/NDF: 1550398.6/33

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27944.438+/-4.355 χ^2/NDF: 1649474.4/36

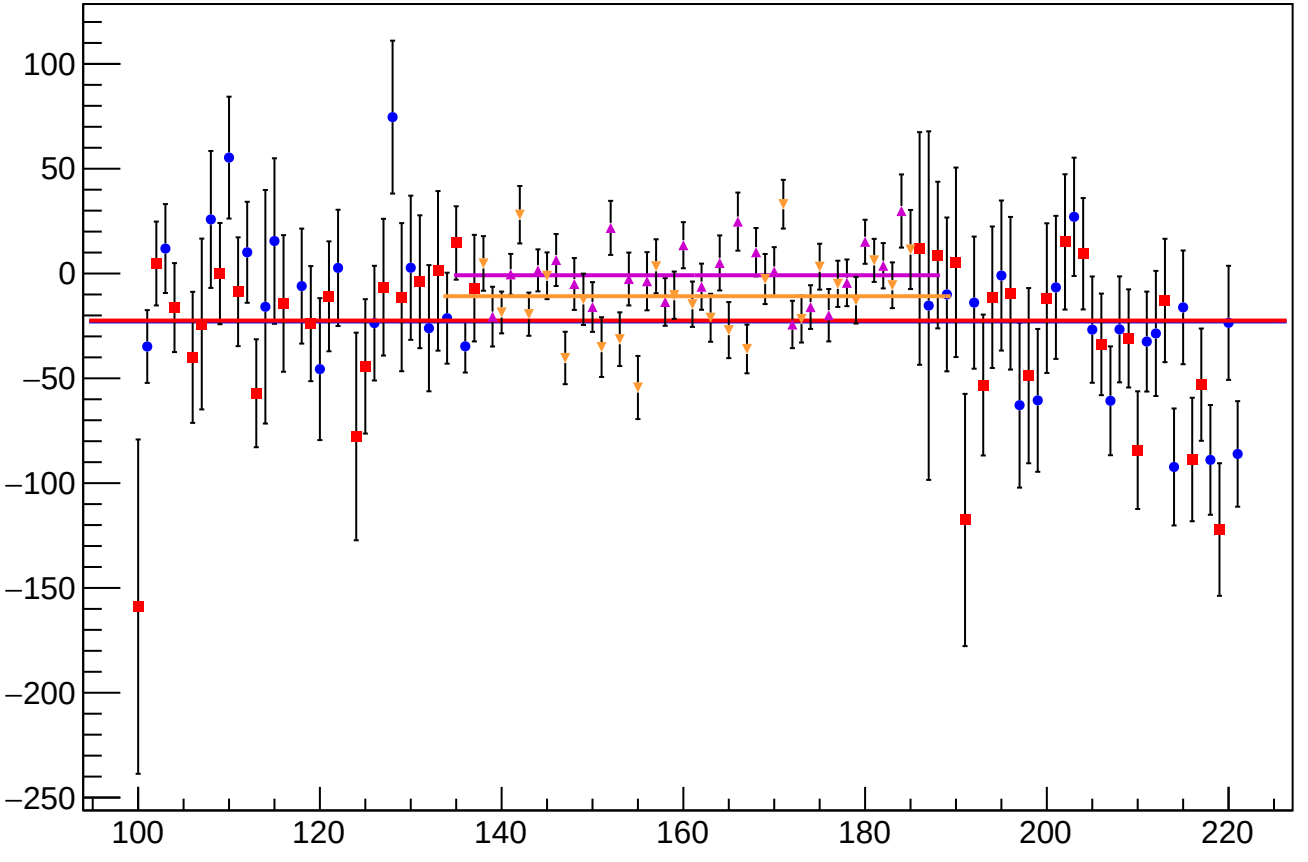
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 26131.918+/-2.944 χ^2/NDF: 3409852.9/58

All: 26286.863+/-2.113 χ^2/NDF: 6735140.3/1

- sign 26451.577+/-3.035 χ^2/NDF: 3319571.2/59

diff_bpm4aesumX_mean vs Slug



Right In: -22.866+/-4.602 χ^2/NDF: 53.2/33

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

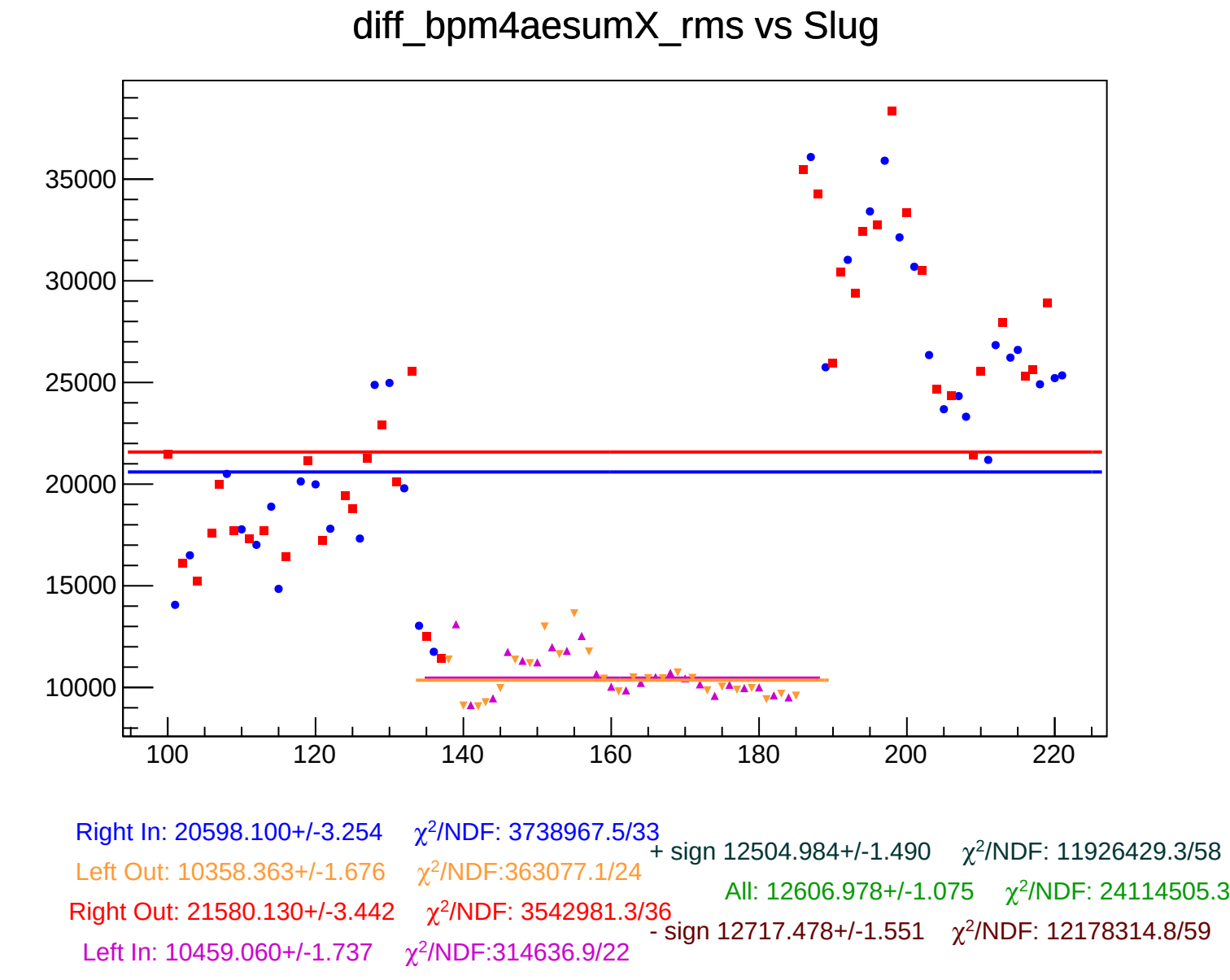
Right Out: -22.442+/-4.867 χ^2/NDF: 46.0/36

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

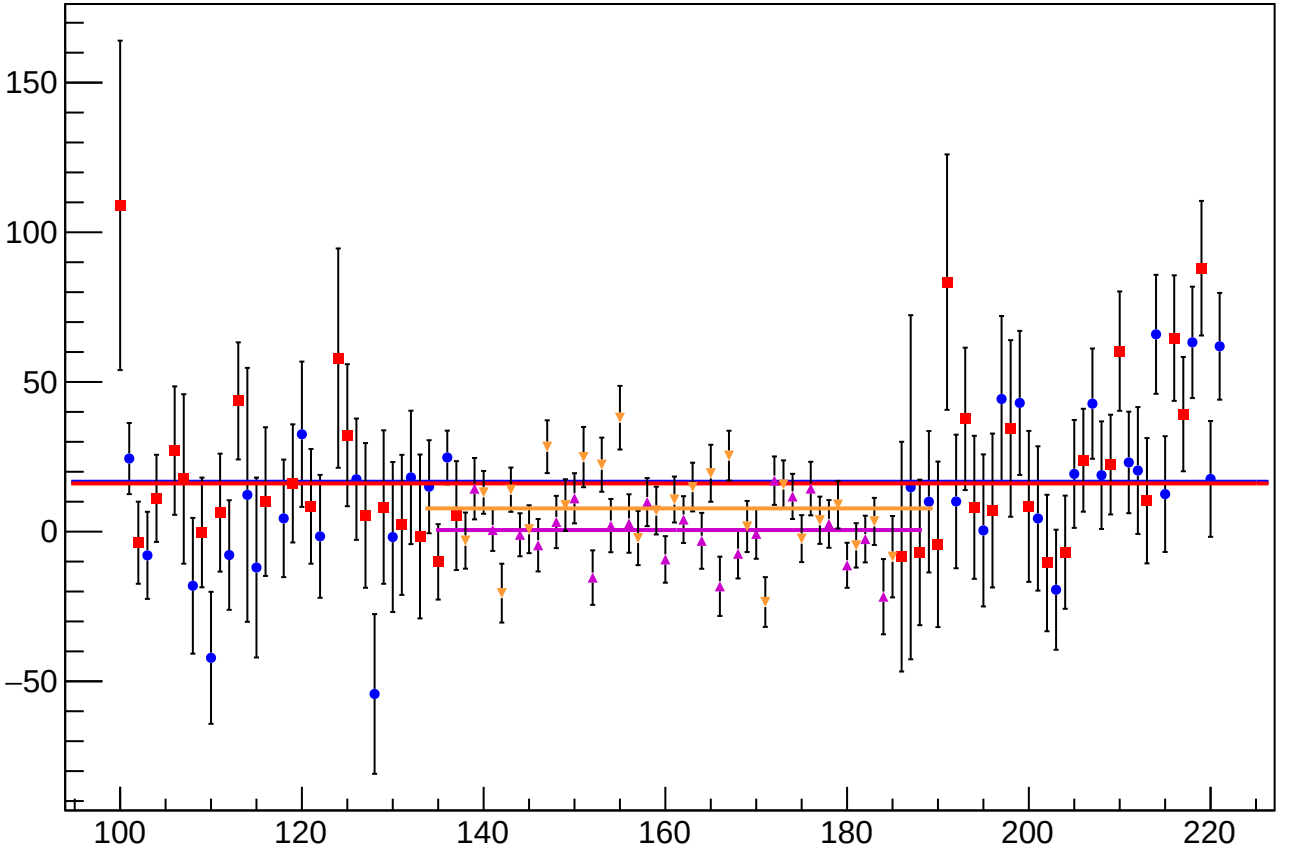
+ sign -13.347+/-2.107 χ^2/NDF: 119.9/58

All: -9.444+/-1.520 χ^2/NDF: 218.2/118

- sign -5.216+/-2.193 χ^2/NDF: 91.2/59


diff_bpm4aesumX_rms vs Slug
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 20598.100+/-3.254 χ²/NDF: 3738967.5/33
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 21580.130+/-3.442 χ²/NDF: 3542981.3/36
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
+ sign 12504.984+/-1.490 χ²/NDF: 11926429.3/58
All: 12606.978+/-1.075 χ²/NDF: 24114505.3
- sign 12717.478+/-1.551 χ²/NDF: 12178314.8/59

diff_bpm4aediffX_mean vs Slug



Right In: 16.664+/-3.284 χ^2/NDF: 52.9/33

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 16.104+/-3.479 χ^2/NDF: 47.2/36

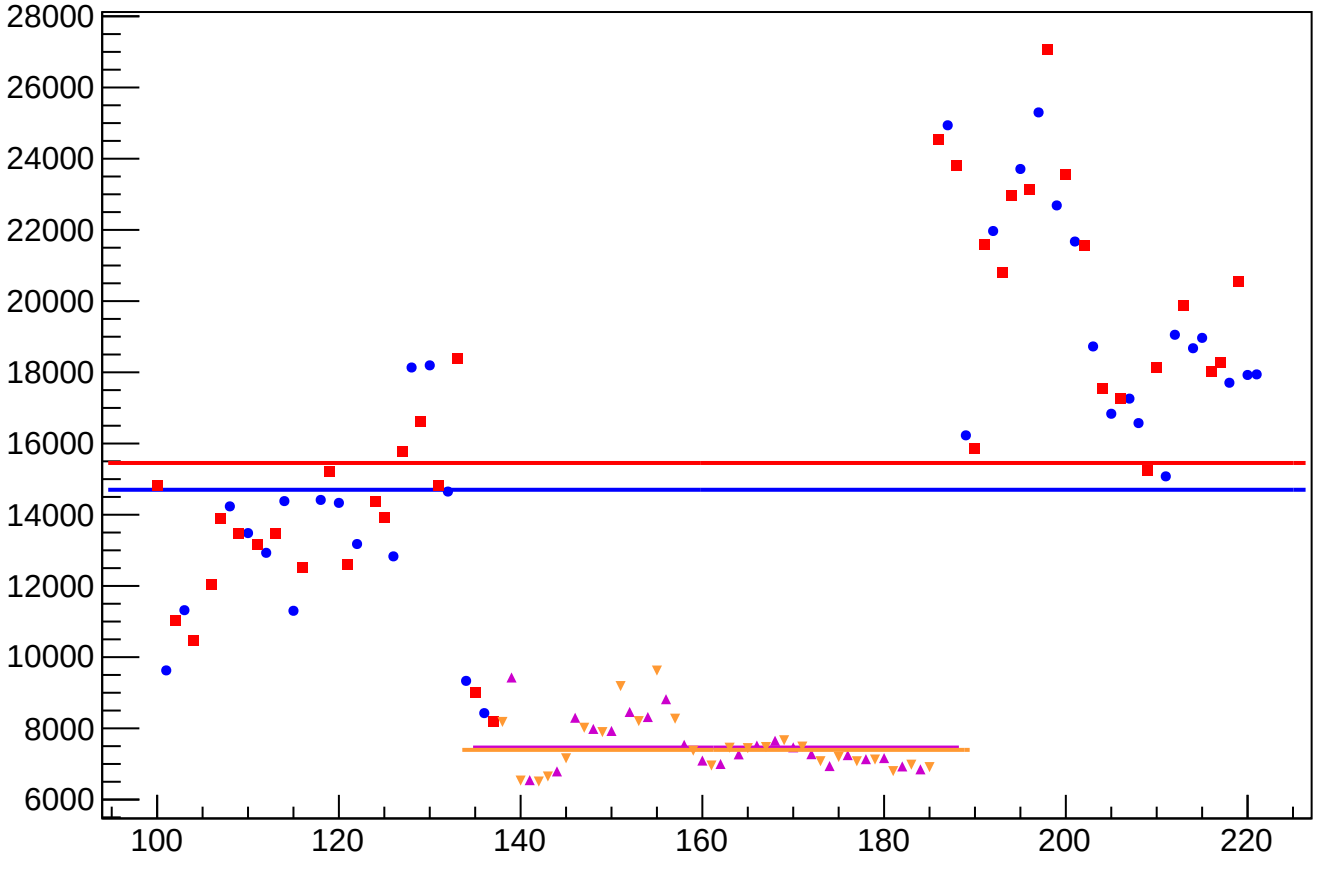
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 9.630+/-1.504 χ^2/NDF: 119.6/58

All: 6.774+/-1.084 χ^2/NDF: 219.7/118

- sign 3.681+/-1.565 χ^2/NDF: 92.6/59

diff_bpm4aediffX_rms vs Slug



Right In: 14701.037+/-2.322 χ^2/NDF: 3662607.7/33

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15453.736+/-2.460 χ^2/NDF: 3404949.8/36

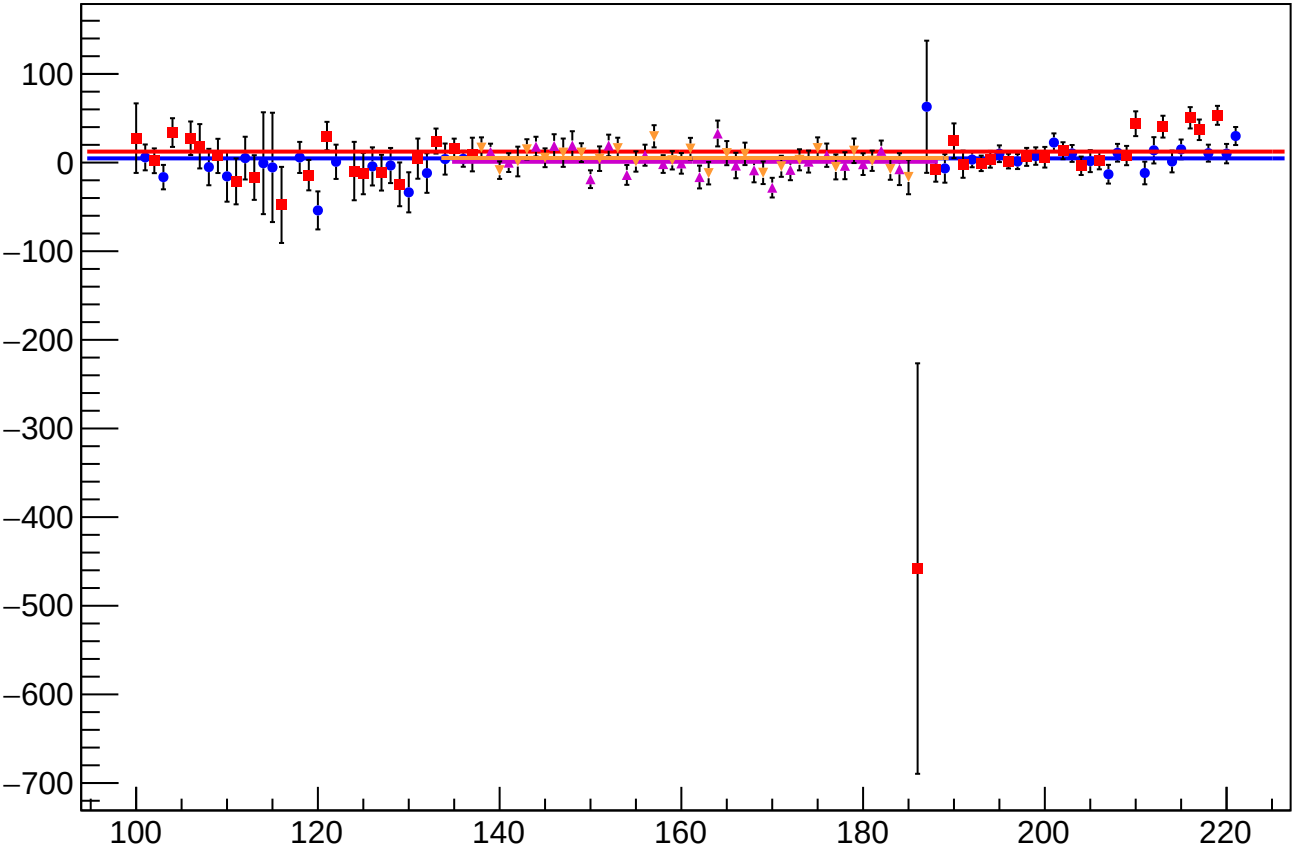
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8927.660+/-1.063 χ^2/NDF: 11810589.8/58

All: 8999.591+/-0.767 χ^2/NDF: 23928990.6/1

- sign 9077.485+/-1.106 χ^2/NDF: 12108868.1/59

diff_bpm4aesumY_mean vs Slug



Right In: 4.725+/-2.228 χ^2/NDF: 32.5/33

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 12.387+/-2.274 χ^2/NDF: 74.1/36

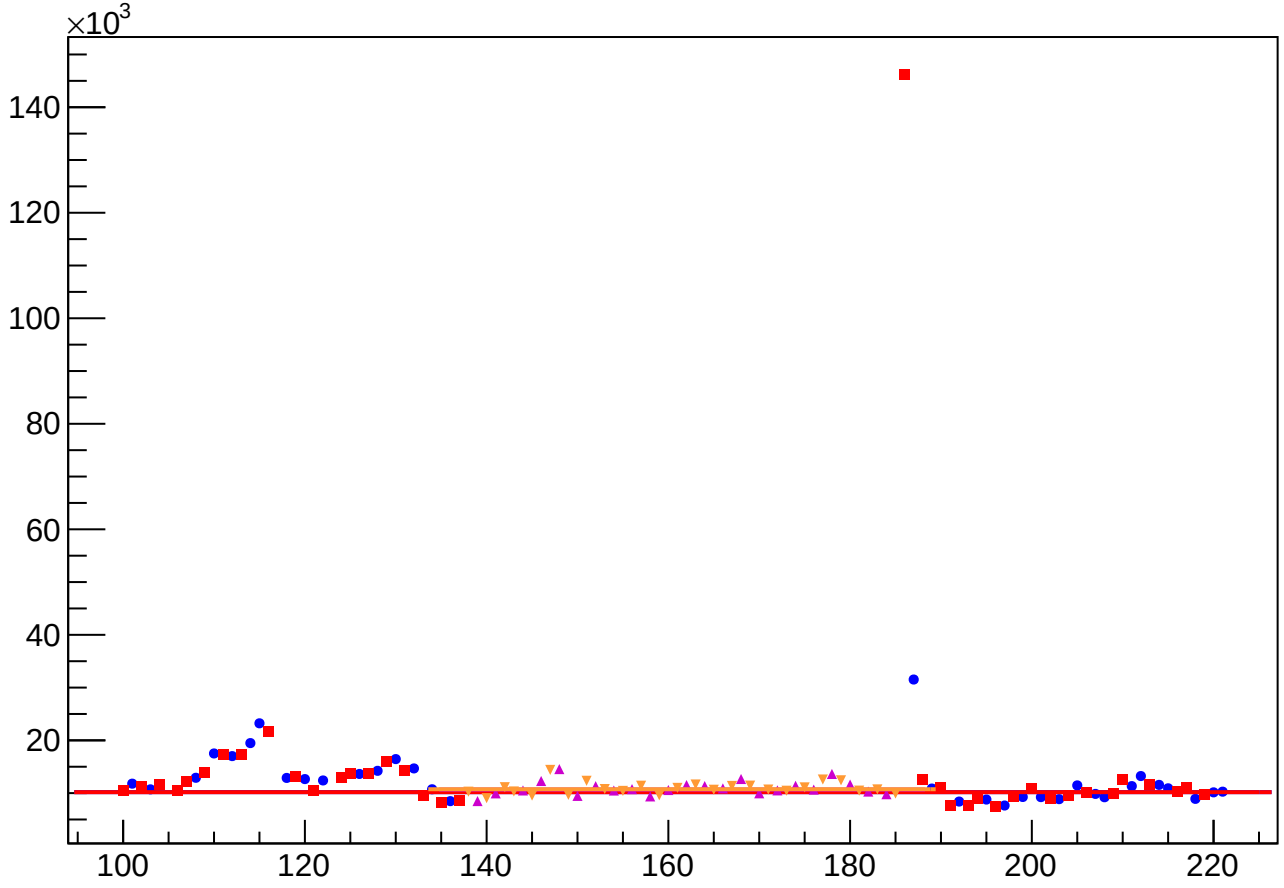
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.929+/-1.651 χ^2/NDF: 50.9/58

All: 6.051+/-1.180 χ^2/NDF: 169.2/118

- sign 7.223+/-1.688 χ^2/NDF: 117.3/59

diff_bpm4aesumY_rms vs Slug



Right In: 10183.636+/-1.576 χ^2/NDF: 1801367.8/33

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10177.656+/-1.608 χ^2/NDF: 2405724.4/36

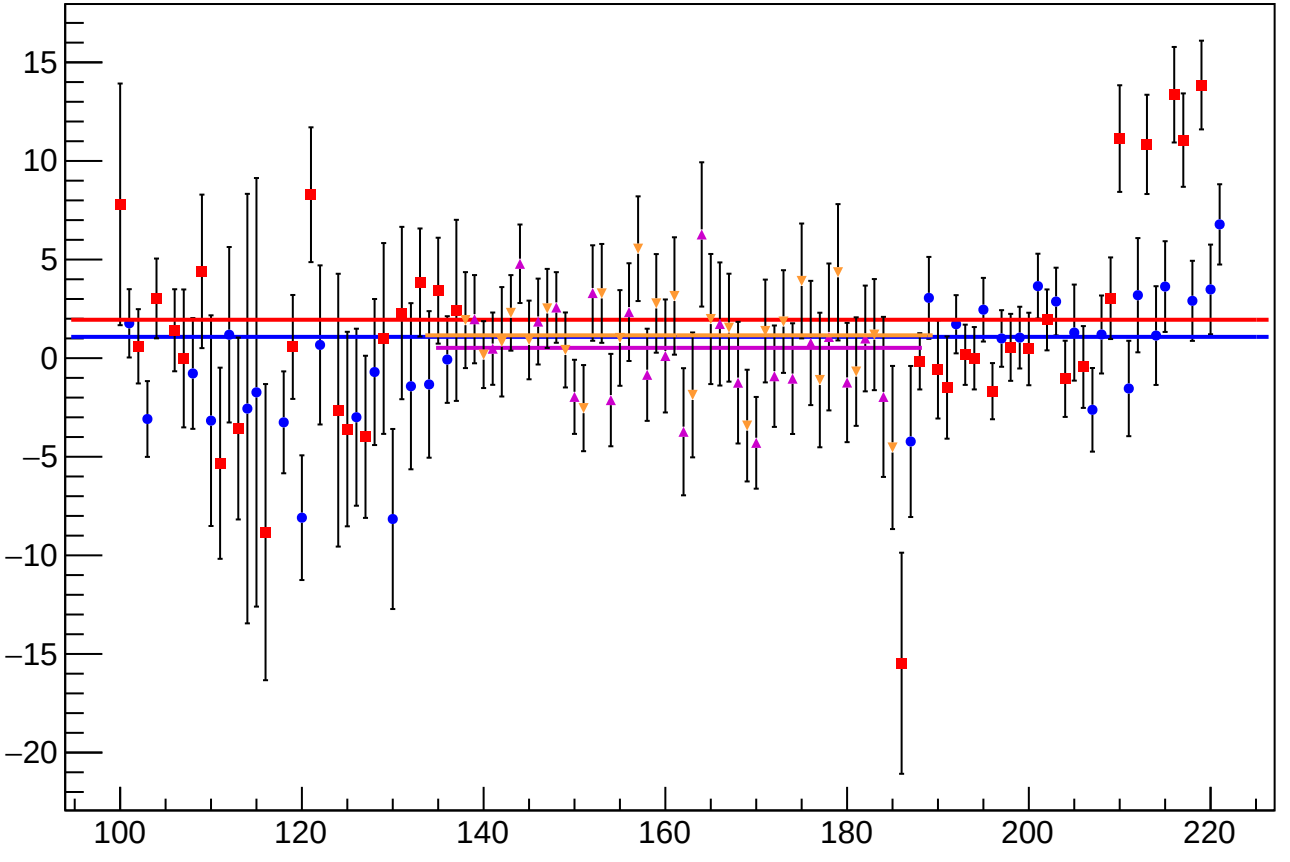
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10431.669+/-1.167 χ^2/NDF: 2224615.4/58

All: 10417.182+/-0.835 χ^2/NDF: 5174559.0/1

- sign 10402.039+/-1.194 χ^2/NDF: 2949628.8/59

diff_bpm4aediffY_mean vs Slug



Right In: 1.079+/-0.397 χ^2/NDF: 46.6/33

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.947+/-0.389 χ^2/NDF: 134.9/36

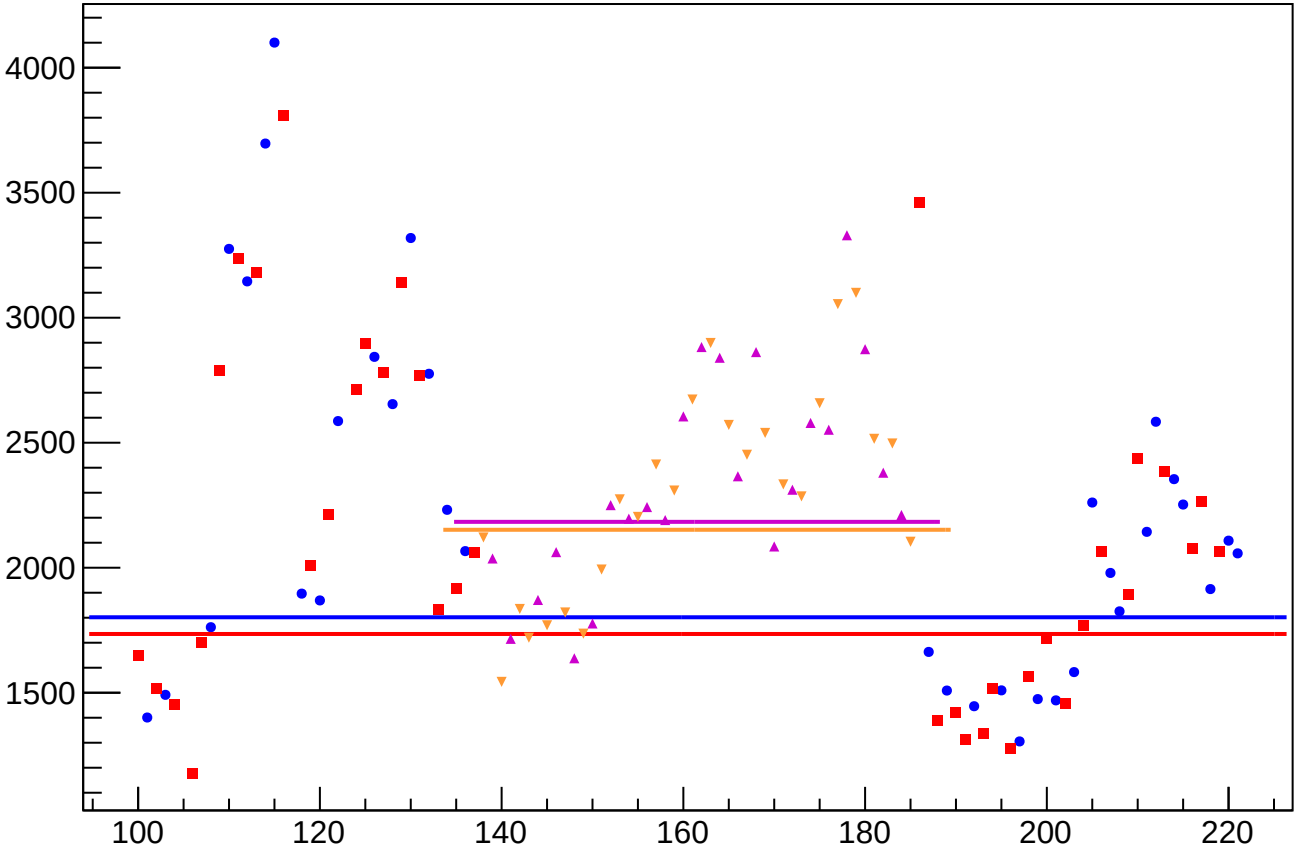
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

\+ sign 1.110+/-0.311 χ^2/NDF: 63.4/58

All: 1.272+/-0.220 χ^2/NDF: 226.0/118

\- sign 1.435+/-0.312 χ^2/NDF: 162.0/59

diff_bpm4aediffY_rms vs Slug



Right In: 1801.812+/-0.280 χ^2/NDF: 2505649.5/33

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

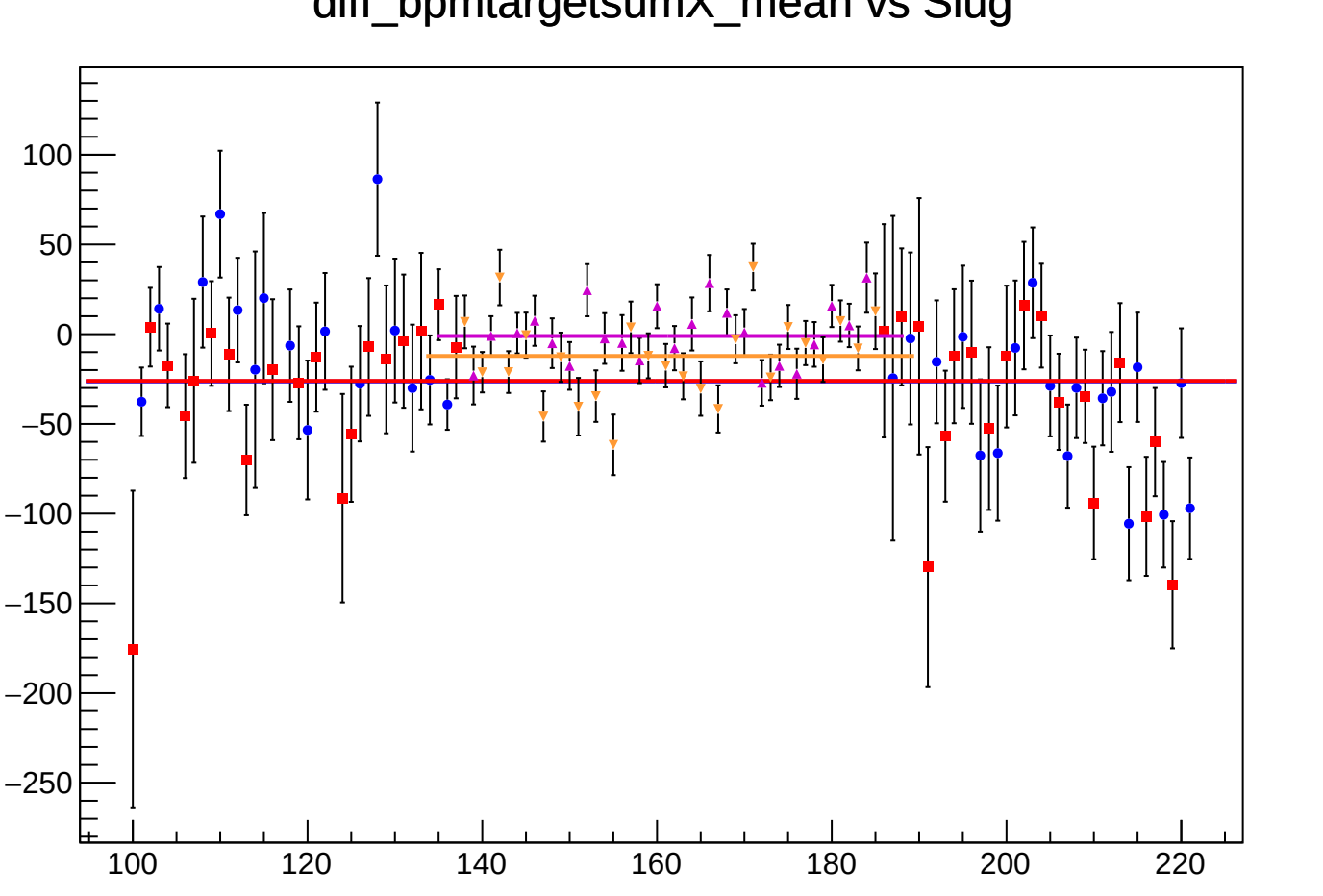
Right Out: 1734.980+/-0.275 χ^2/NDF: 2912323.2/36

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1936.881+/-0.220 χ^2/NDF: 4456422.0/58

All: 1916.587+/-0.156 χ^2/NDF: 9501725.6/11

- sign 1896.171+/-0.220 χ^2/NDF: 5028189.6/59



Right In: -26.318+/-5.199 χ^2/NDF: 53.0/33

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

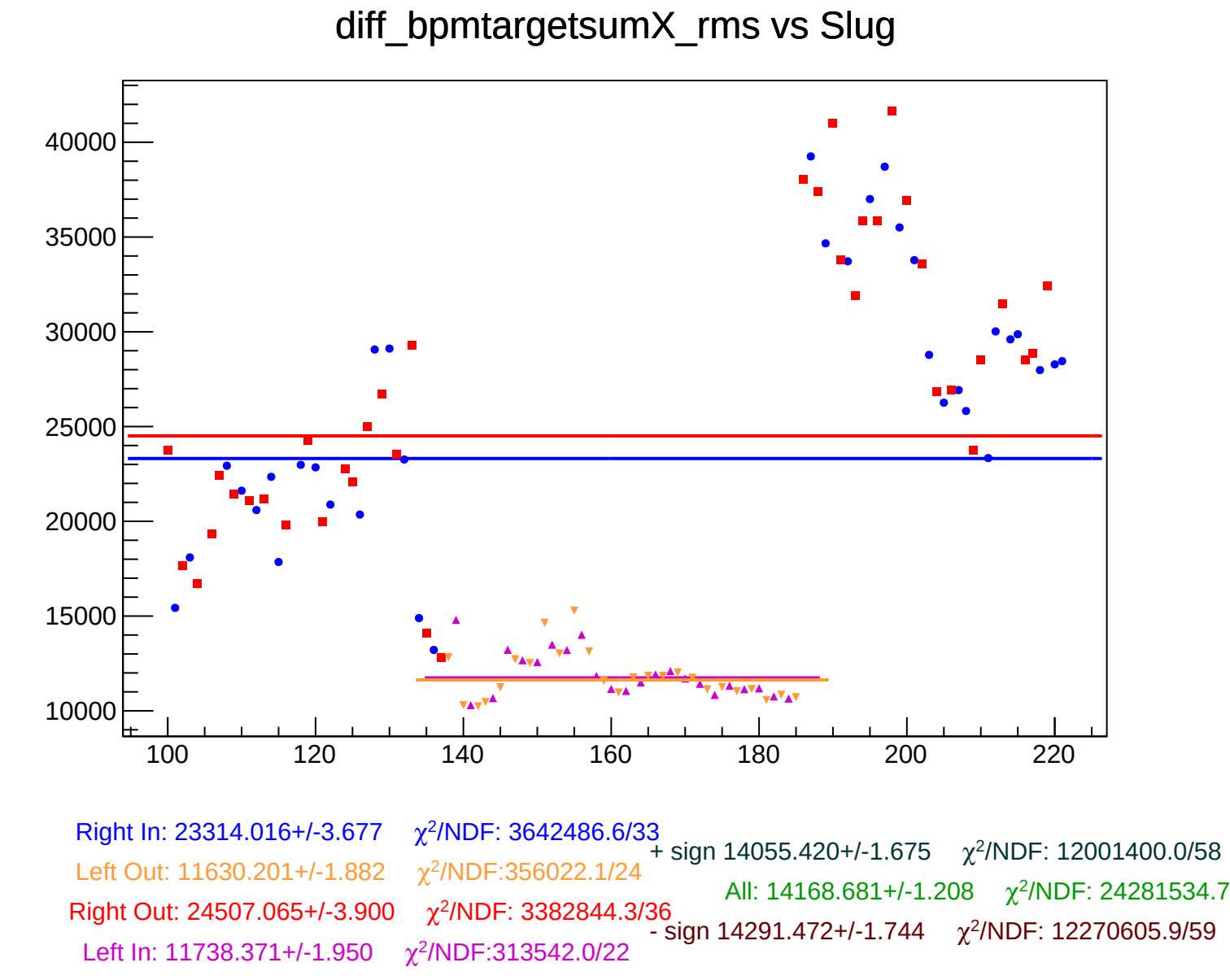
Right Out: -26.034+/-5.516 χ^2/NDF: 46.5/36

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

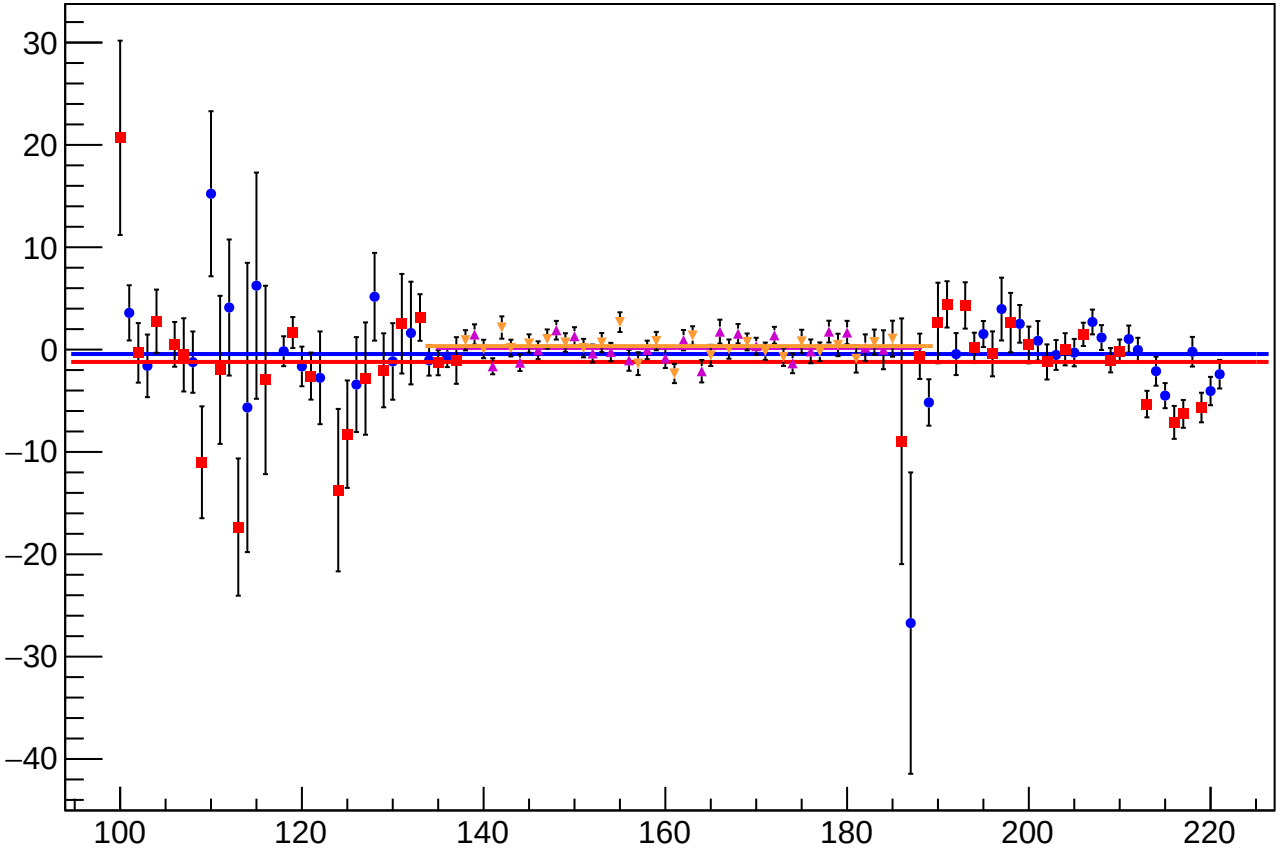
+ sign -15.079+/-2.369 χ^2/NDF: 121.5/58

All: -10.734+/-1.709 χ^2/NDF: 220.2/118

- sign -6.025+/-2.467 χ^2/NDF: 91.7/59


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 23314.016+/-3.677 χ²/NDF: 3642486.6/33
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24507.065+/-3.900 χ²/NDF: 3382844.3/36
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 14055.420+/-1.675 χ²/NDF: 12001400.0/58
All: 14168.681+/-1.208 χ²/NDF: 24281534.7
- sign 14291.472+/-1.744 χ²/NDF: 12270605.9/59

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.434+/-0.304 χ^2/NDF: 56.4/33

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -1.206+/-0.329 χ^2/NDF: 100.7/36

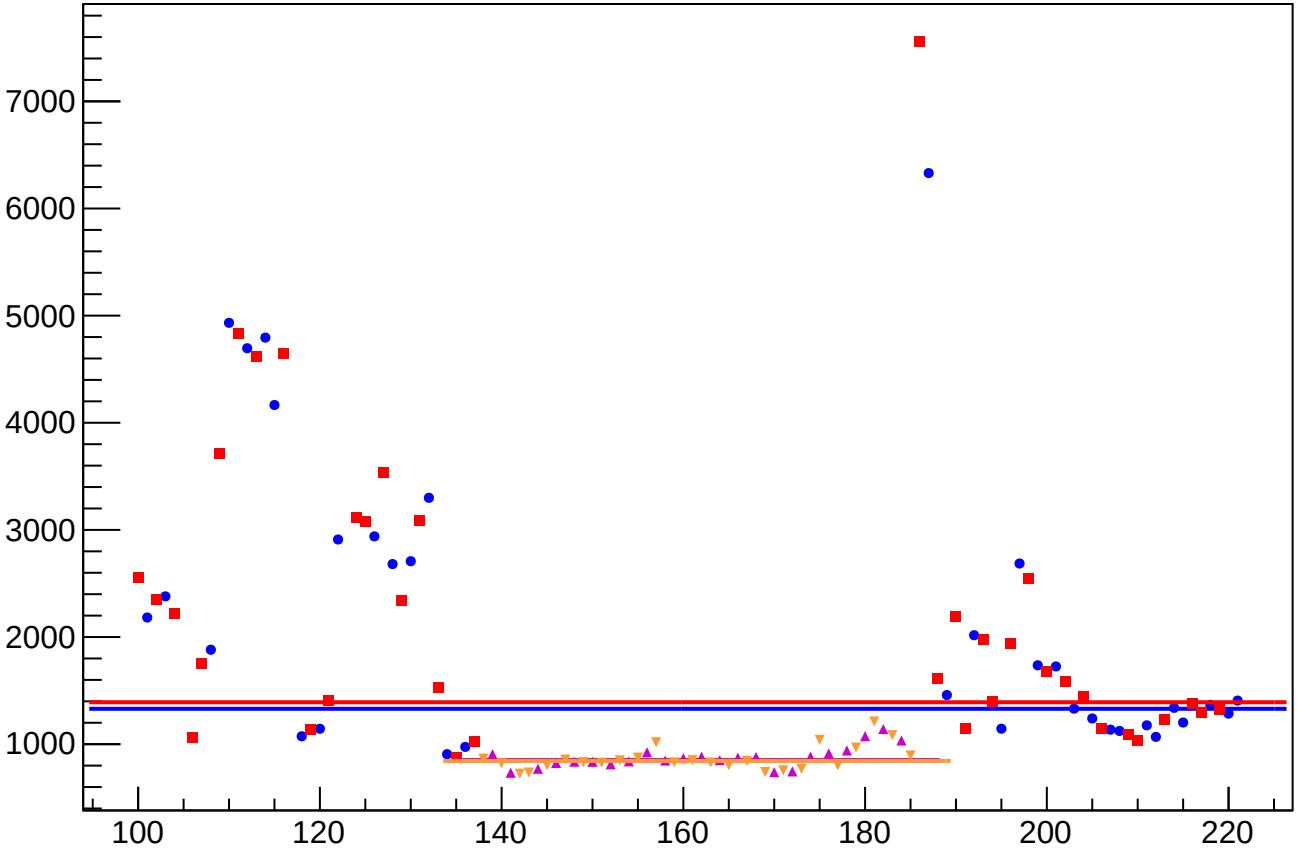
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.118+/-0.163 χ^2/NDF: 87.8/58

All: -0.037+/-0.118 χ^2/NDF: 239.3/118

- sign -0.208+/-0.171 χ^2/NDF: 149.7/59

diff_bpmtargetdiffX_rms vs Slug



Right In: 1330.350+/-0.215 χ^2/NDF: 4754428.1/33

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1391.482+/-0.233 χ^2/NDF: 5223357.3/36

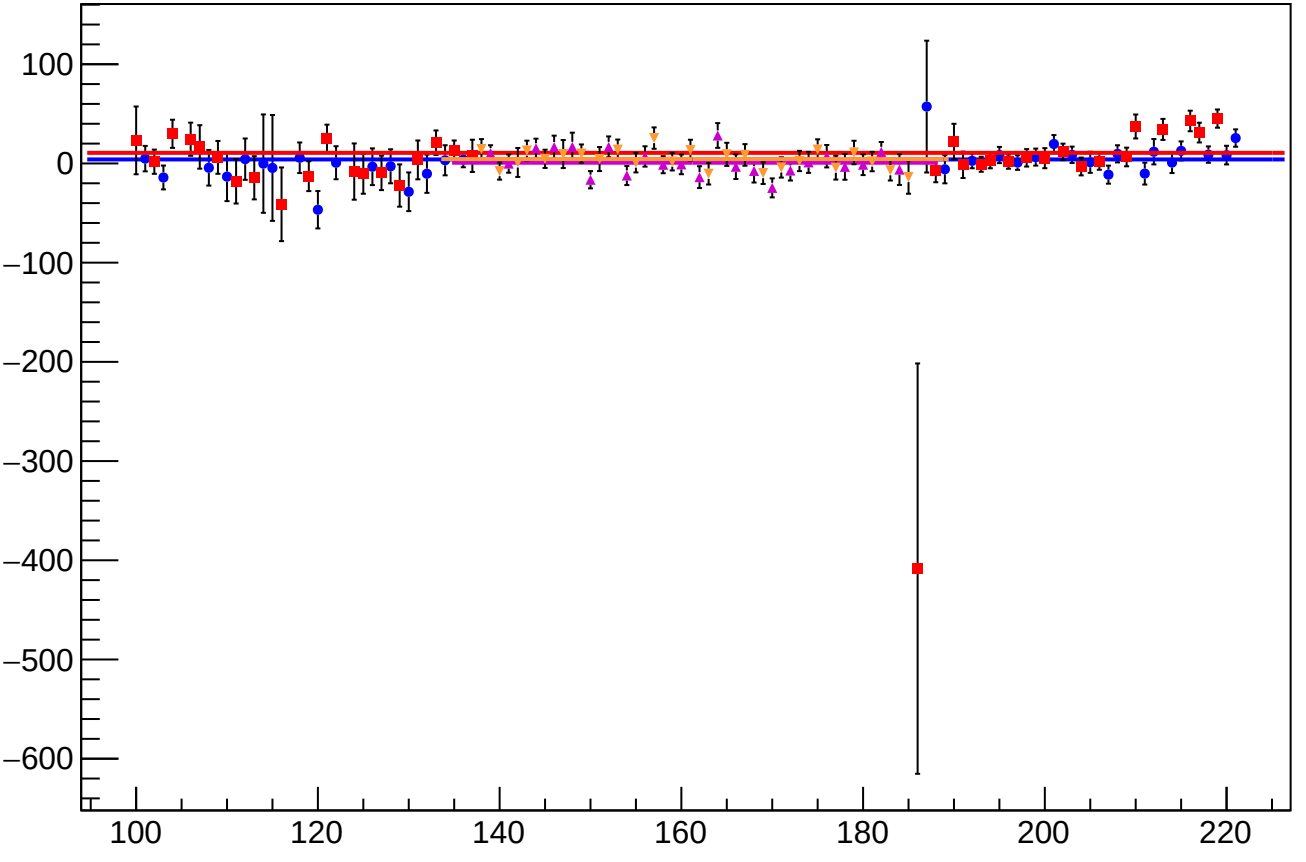
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 984.141+/-0.116 χ^2/NDF: 8915034.0/58

All: 990.898+/-0.084 χ^2/NDF: 18454396.1/11

- sign 998.338+/-0.121 χ^2/NDF: 9532172.6/59

diff_bpmtargetsumY_mean vs Slug



Right In: 4.036+/-1.928 χ^2/NDF: 32.0/33

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

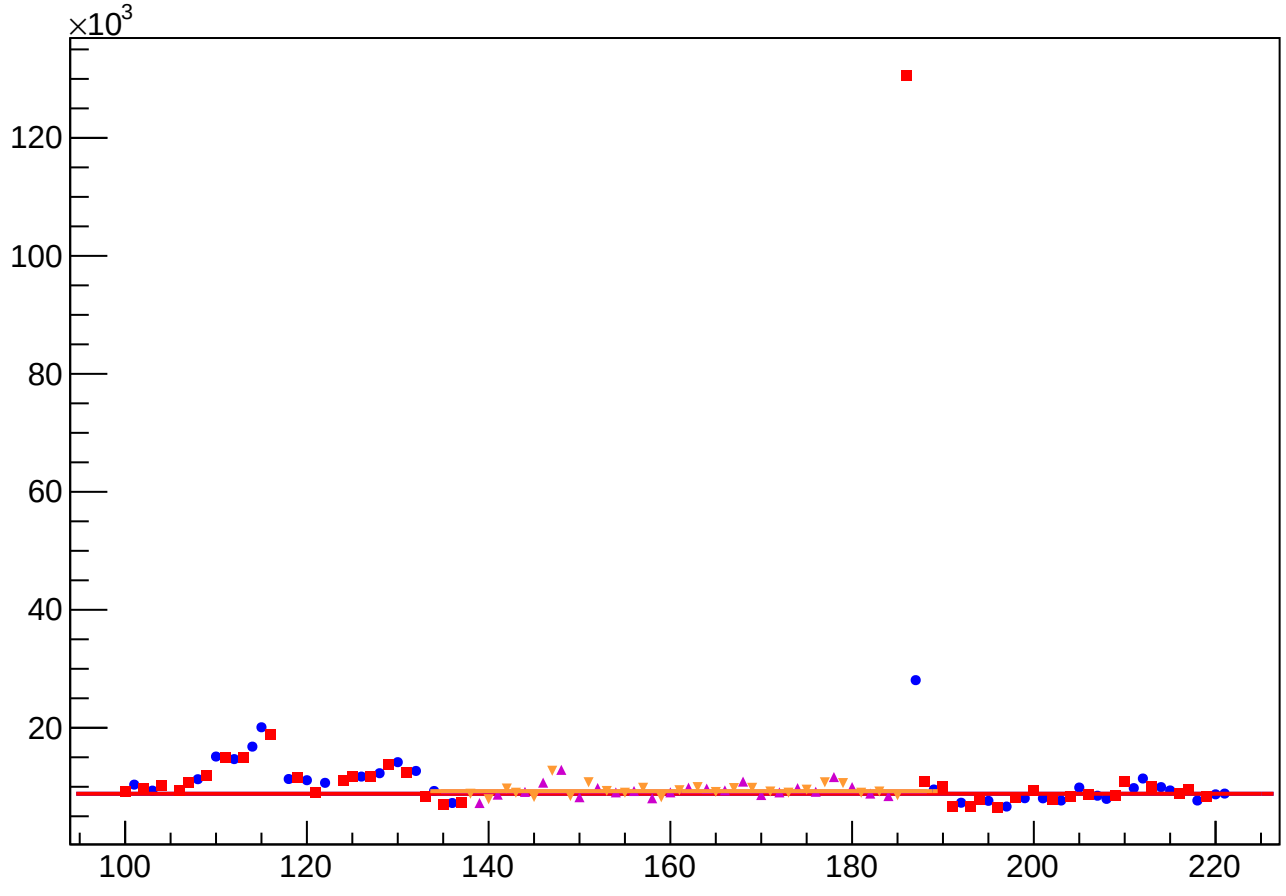
Right Out: 10.670+/-1.971 χ^2/NDF: 72.1/36

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

\+ sign 4.193+/-1.427 χ^2/NDF: 50.6/58

All: 5.164+/-1.020 χ^2/NDF: 167.1/118

\- sign 6.179+/-1.459 χ^2/NDF: 115.5/59



Right In: 8809.890+/-1.363 χ^2/NDF: 1806881.5/33

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8819.223+/-1.394 χ^2/NDF: 2403754.8/36

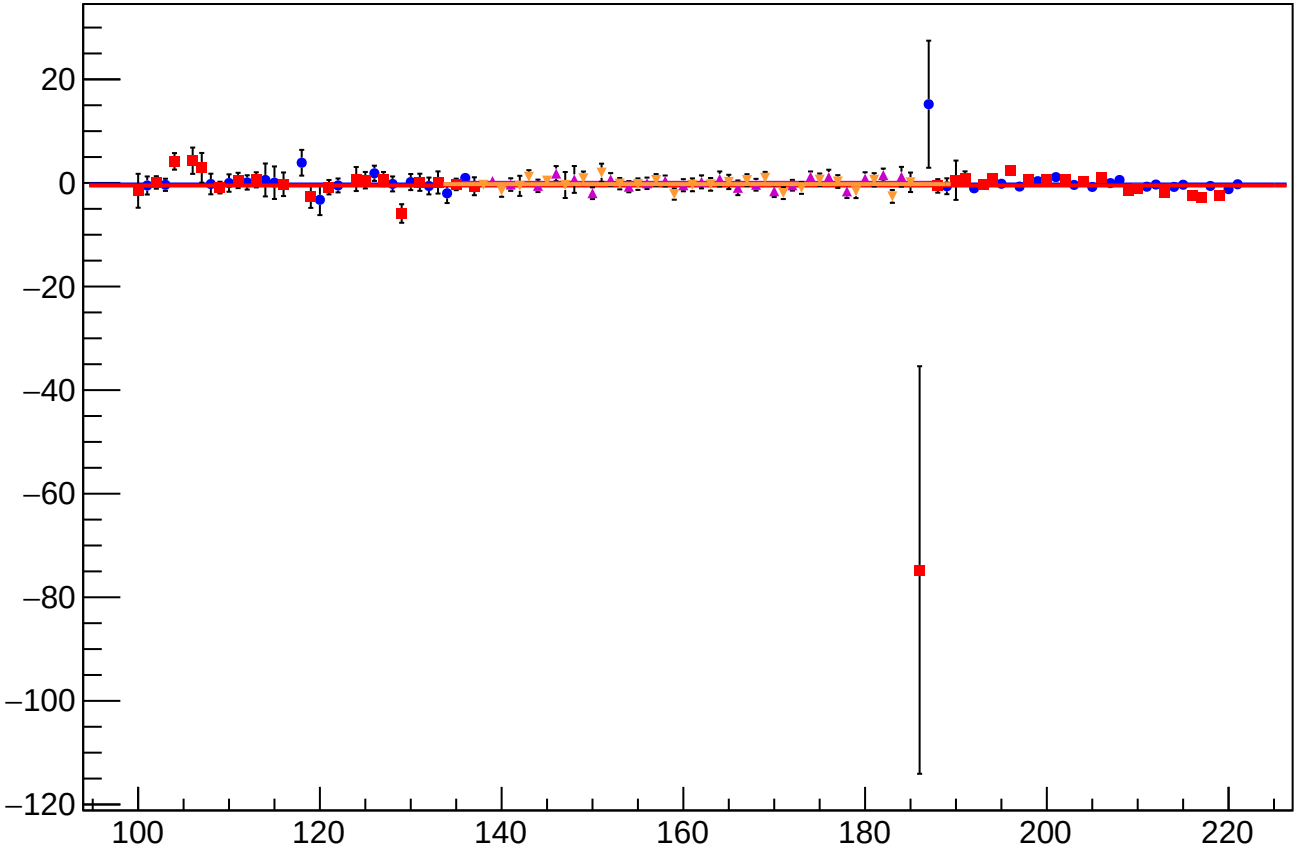
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9014.153+/-1.009 χ^2/NDF: 2222598.3/58

All: 9002.901+/-0.721 χ^2/NDF: 5175751.0/11

- sign 8991.130+/-1.032 χ^2/NDF: 2952898.2/59

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.300+/-0.154 χ^2/NDF: 21.6/33

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.499+/-0.163 χ^2/NDF: 102.1/36

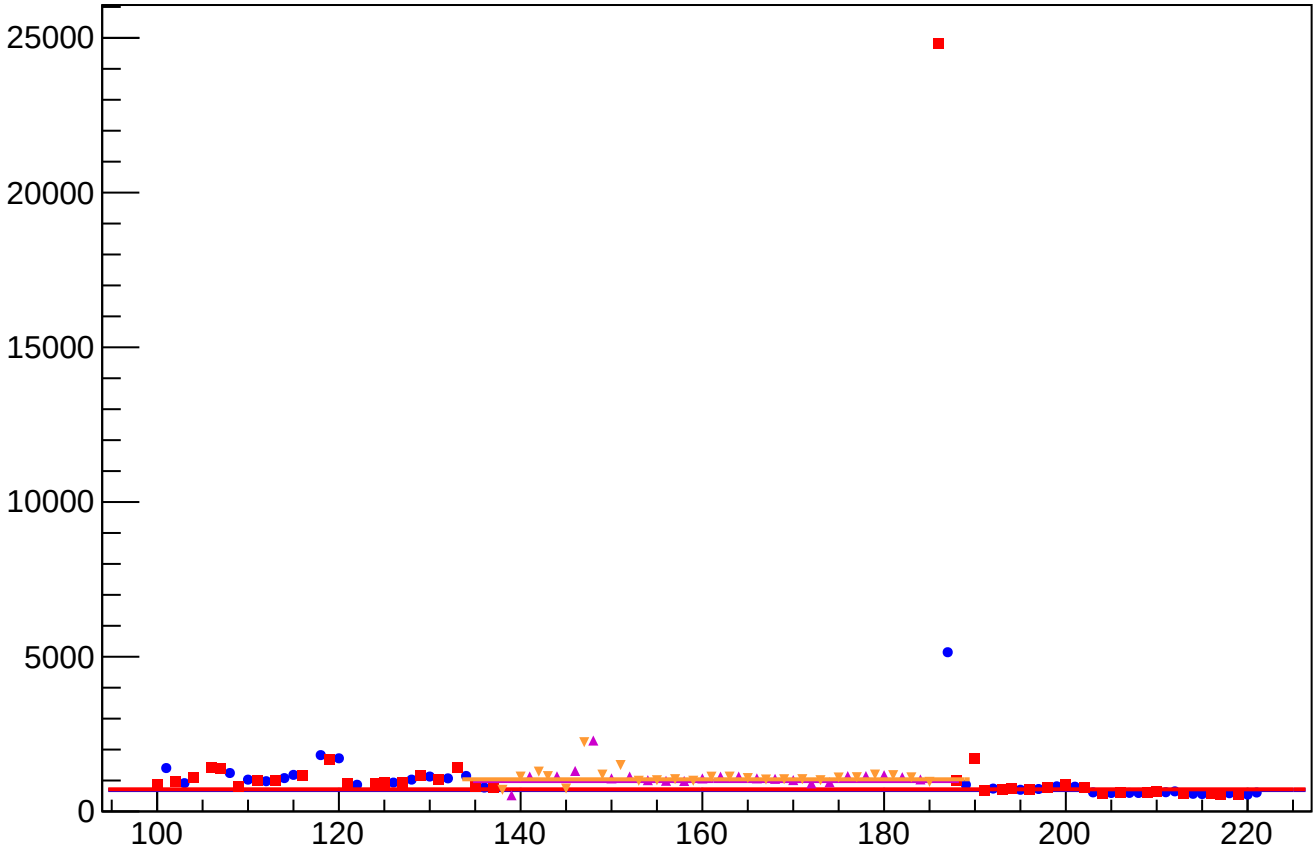
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.280+/-0.130 χ^2/NDF: 40.7/58

All: -0.305+/-0.094 χ^2/NDF: 161.3/118

- sign -0.332+/-0.135 χ^2/NDF: 120.6/59

diff_bpmtargetdiffY_rms vs Slug



Right In: 691.085+/-0.109 χ^2/NDF: 2994202.1/33

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 715.647+/-0.116 χ^2/NDF: 3393972.1/36

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 790.381+/-0.092 χ^2/NDF: 7262314.4/58

All: 795.194+/-0.066 χ^2/NDF: 14574338.7/11

- sign 800.382+/-0.095 χ^2/NDF: 7306324.7/59

yield_cav4bX_mean vs Slug

Right In: 139.336+/-0.000 χ^2/NDF: 74283266110.9/33

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774194018093061.0/36

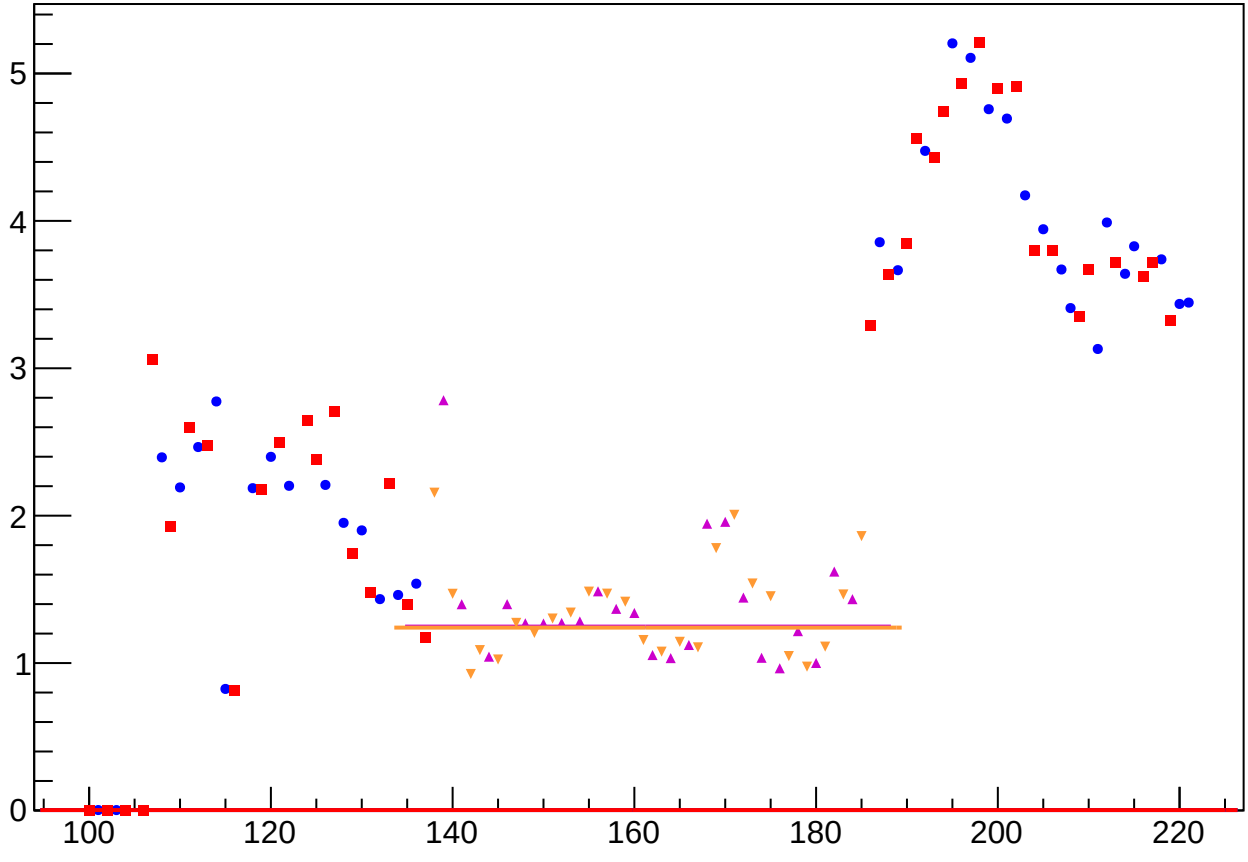
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 348824171622.4/5

All: 131.810+/-0.000 χ^2/NDF: 79353491140

- sign 125.384+/-0.000 χ^2/NDF: 774407669961380

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 38290677.4/33

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

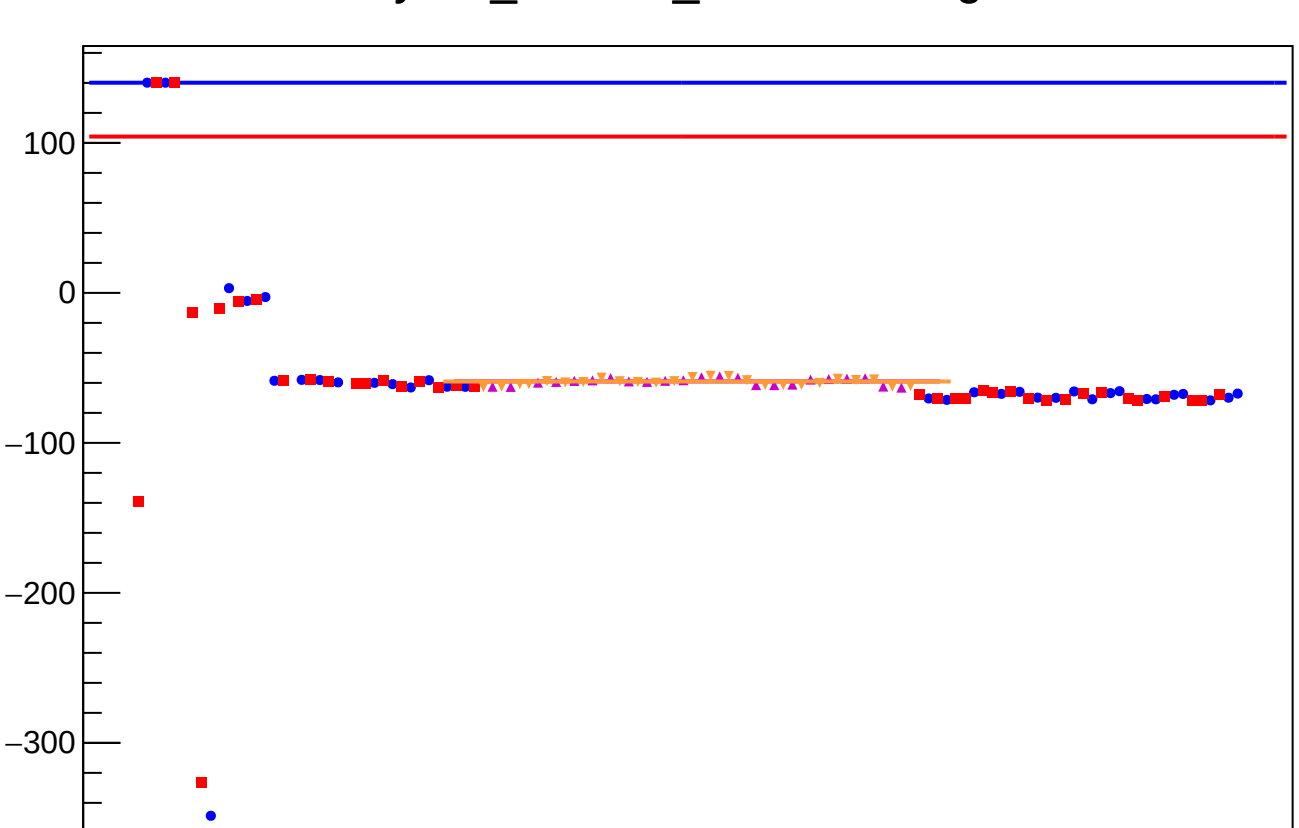
Right Out: 0.003+/-0.000 χ^2/NDF: 36916850.9/36

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 69588343.7/58

All: 0.003+/-0.000 χ^2/NDF: 136272289.2/118

- sign 0.003+/-0.000 χ^2/NDF: 66683491.2/59



Right In: 140.131+/-0.000 χ^2/NDF: 639524895477.5/33

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.215+/-0.000 χ^2/NDF: 1257717494106069.5/36

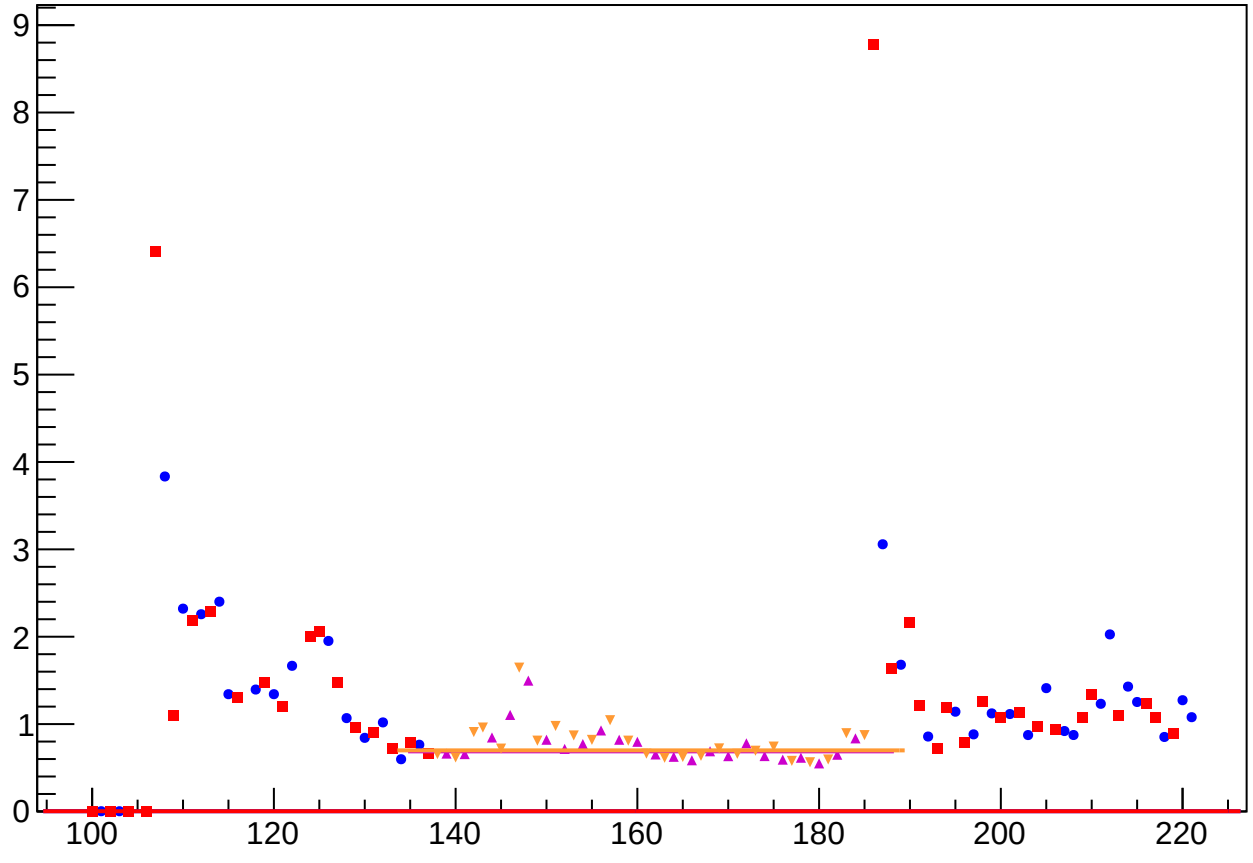
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.095+/-0.000 χ^2/NDF: 1936557096799.8

All: 120.791+/-0.000 χ^2/NDF: 13837449772

- sign 104.190+/-0.000 χ^2/NDF: 125857446627317

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 34848075.5/33

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 34272336.2/36

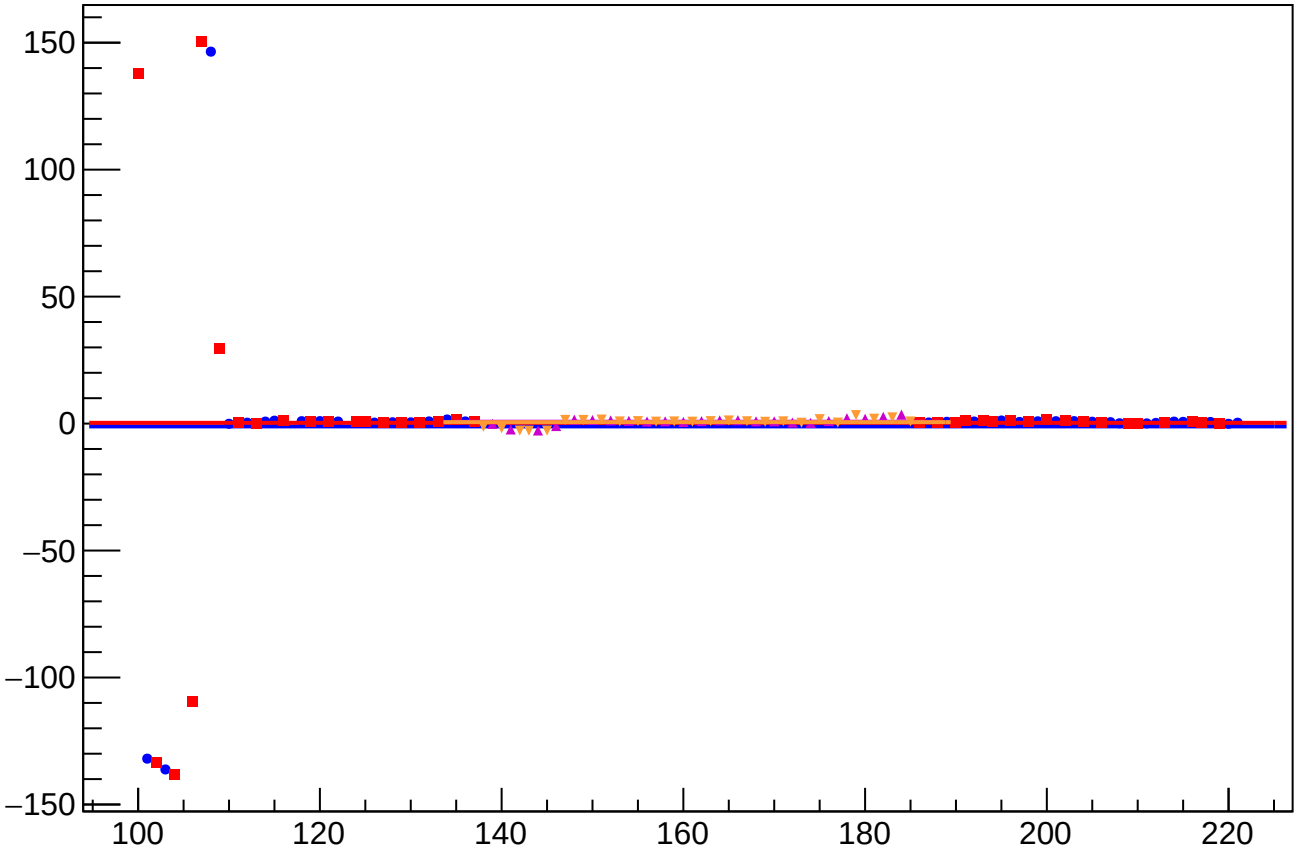
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 67896845.9/58

All: 0.003+/-0.000 χ^2/NDF: 133475874.7/118

- sign 0.003+/-0.000 χ^2/NDF: 65578263.7/59

yield_cav4cX_mean vs Slug



Right In: -1.110+/-0.000 χ^2/NDF: 9914675341.8/33

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.299+/-0.000 χ^2/NDF: 3613096140.1/36

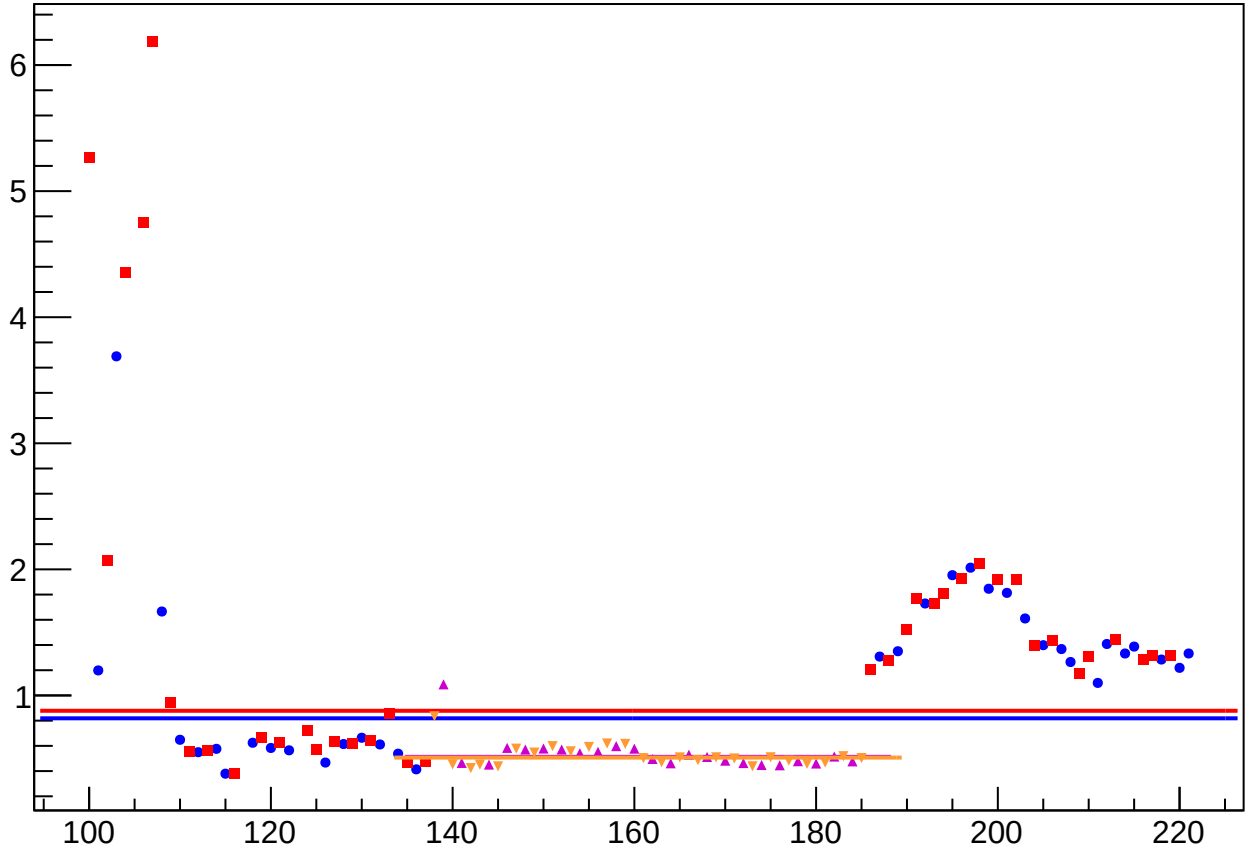
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.111+/-0.000 χ^2/NDF: 10116624912.2/58

All: 0.352+/-0.000 χ^2/NDF: 13847904658.0/1

- sign 0.620+/-0.000 χ^2/NDF: 3720967275.6/59

yield_cav4cX_rms vs Slug



Right In: 0.819+/-0.000 χ^2/NDF: 9493880.1/33

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.878+/-0.000 χ^2/NDF: 9366162.3/36

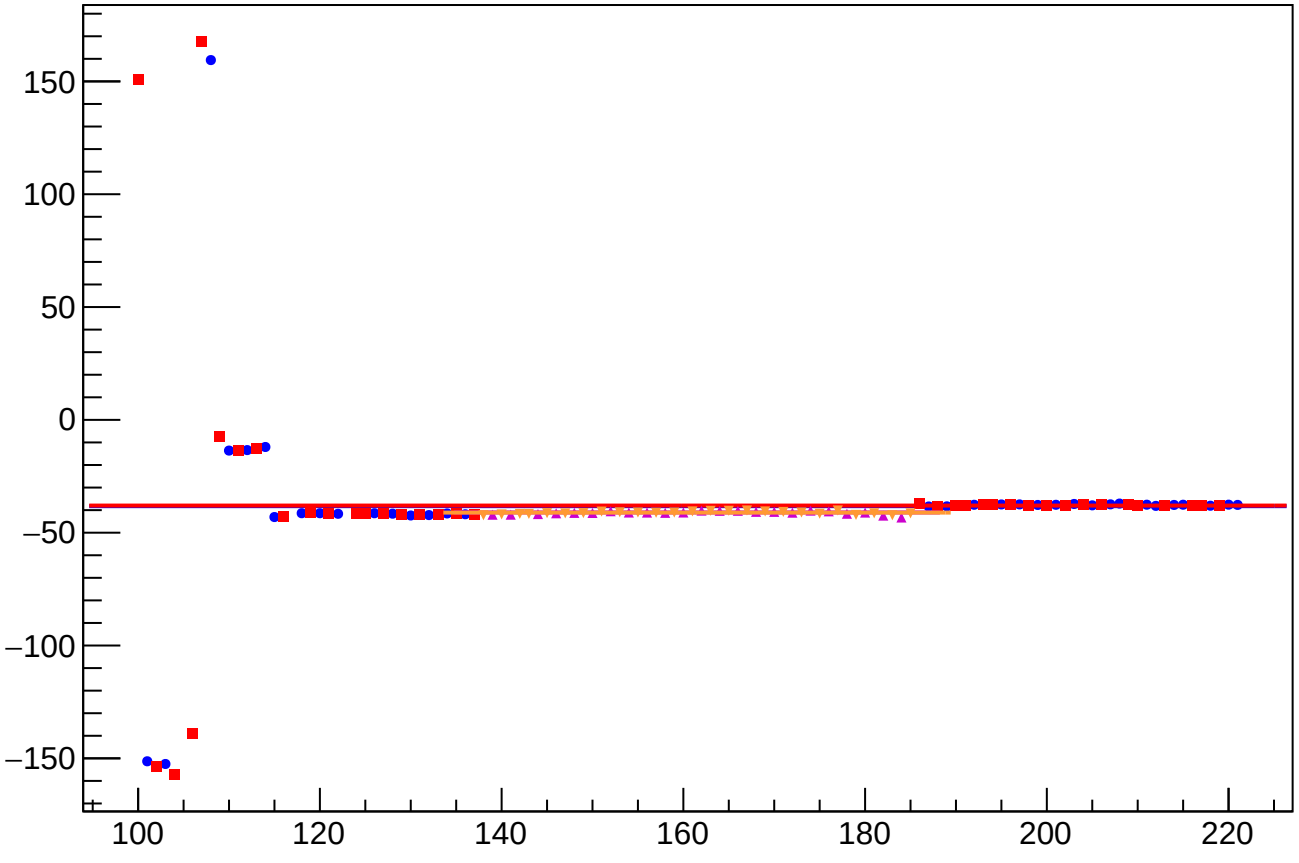
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.593+/-0.000 χ^2/NDF: 13302455.0/58

All: 0.600+/-0.000 χ^2/NDF: 27326497.0/118

- sign 0.608+/-0.000 χ^2/NDF: 14006461.8/59

yield_cav4cY_mean vs Slug



Right In: -38.241+/-0.000 χ^2/NDF: 3626765476.5/33

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.978+/-0.000 χ^2/NDF: 2514614432.7/36

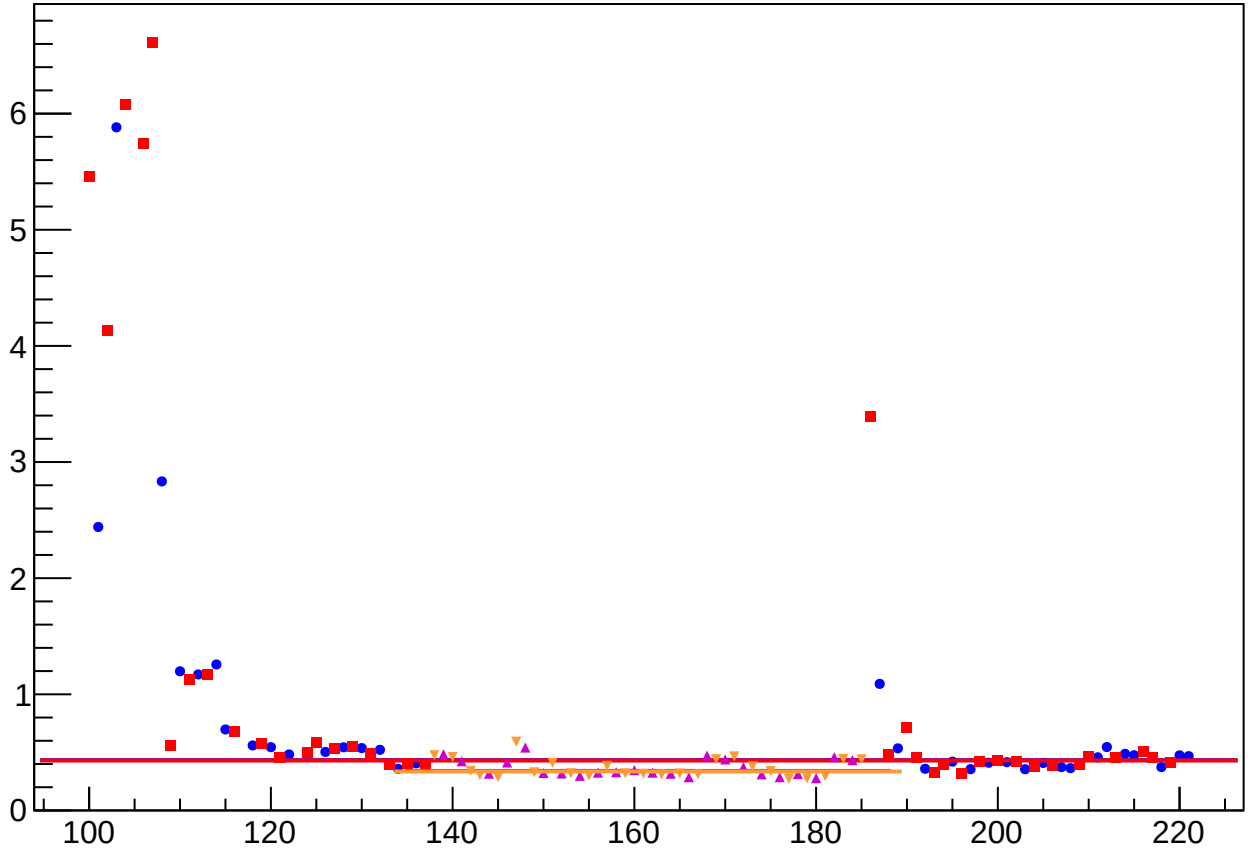
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -39.995+/-0.000 χ^2/NDF: 4179436712.5/58

All: -39.914+/-0.000 χ^2/NDF: 7280944382.5/

- sign -39.828+/-0.000 χ^2/NDF: 3098033292.8/59

yield_cav4cY_rms vs Slug



Right In: 0.433+/-0.000 χ^2/NDF: 3919592.9/33

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.431+/-0.000 χ^2/NDF: 4747529.2/36

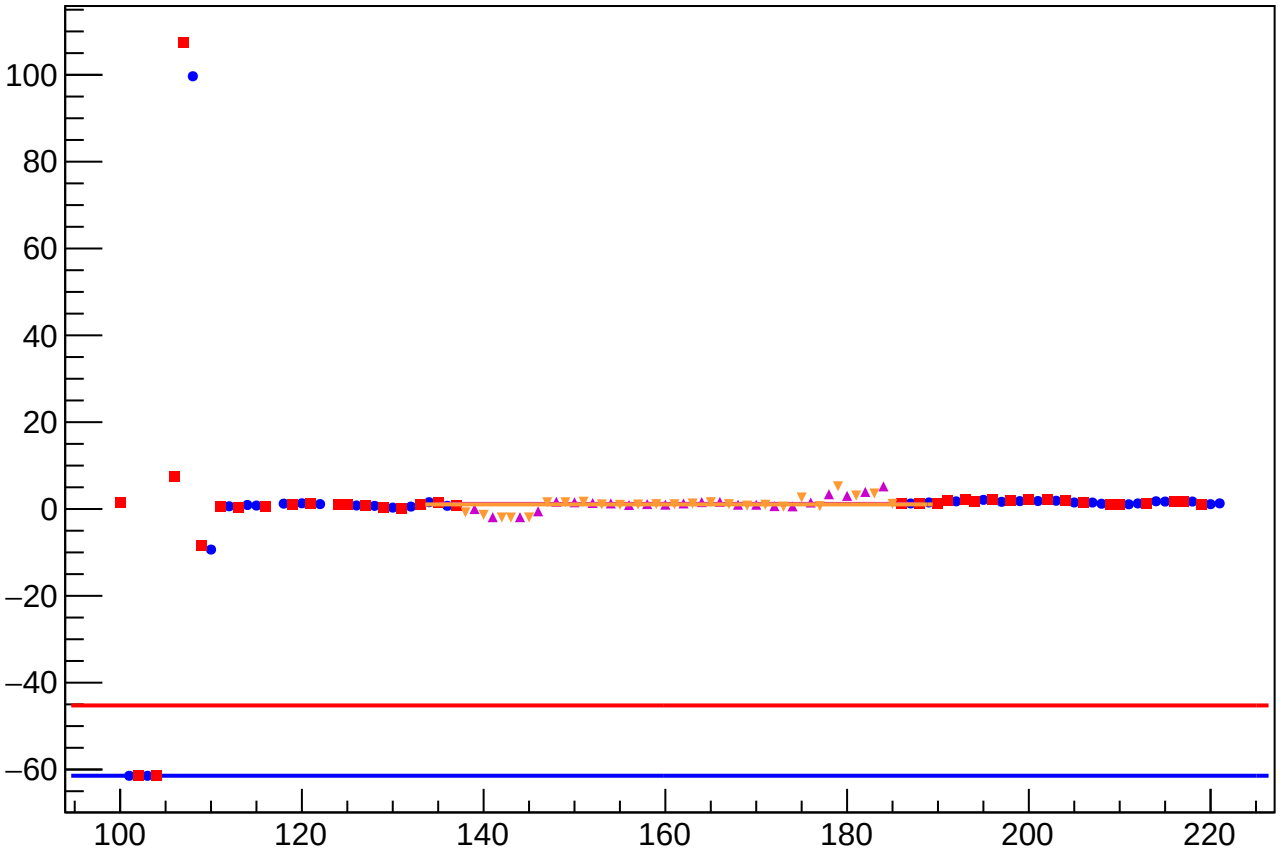
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.373+/-0.000 χ^2/NDF: 6302427.7/58

All: 0.374+/-0.000 χ^2/NDF: 13055851.5/118

- sign 0.376+/-0.000 χ^2/NDF: 6751373.8/59

yield_cav4dX_mean vs Slug



Right In: -61.434+/-0.000 χ^2/NDF: 311105656285.4/33

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357888862928465.4/36

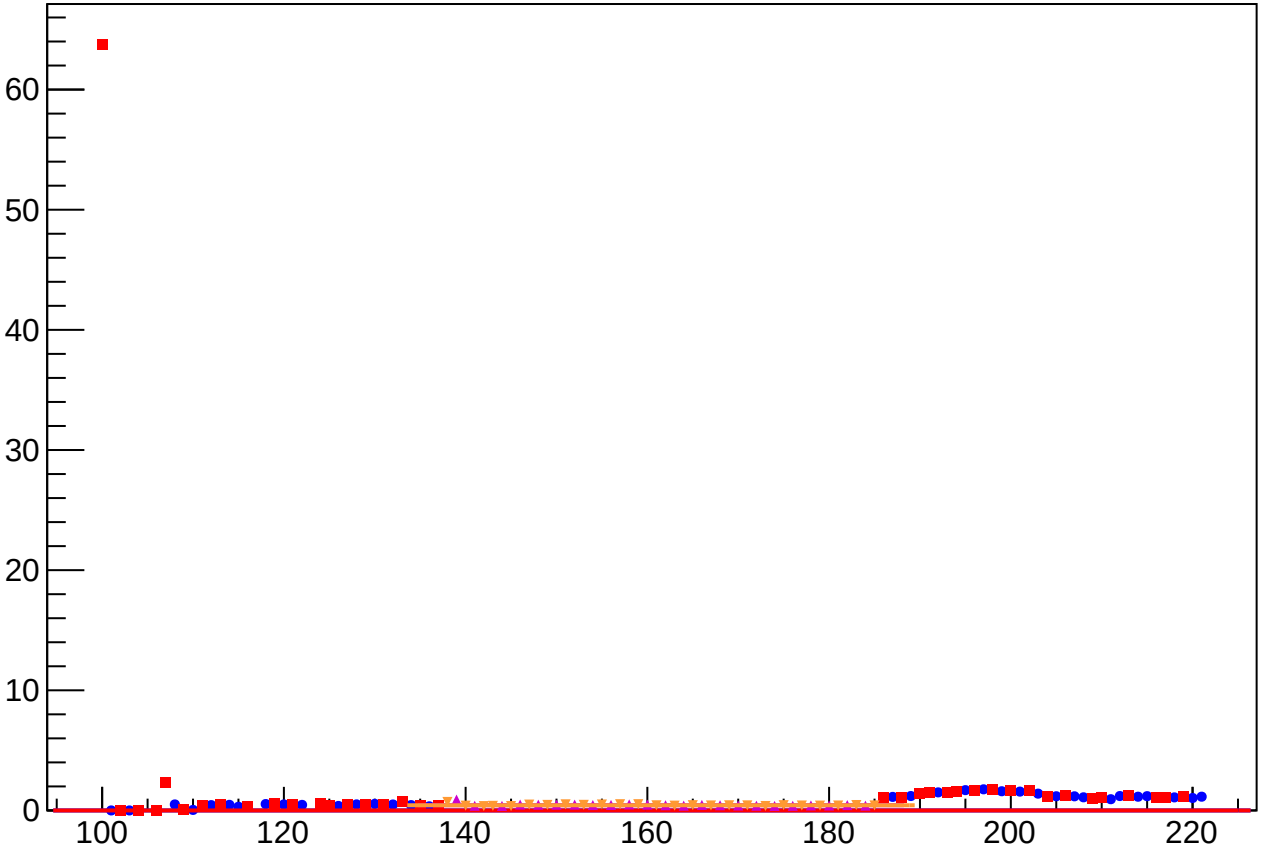
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.420+/-0.000 χ^2/NDF: 641096910279.9/5

All: -52.737+/-0.000 χ^2/NDF: 409644215485

- sign -45.236+/-0.000 χ^2/NDF: 358055423080825.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 37874465.6/33

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

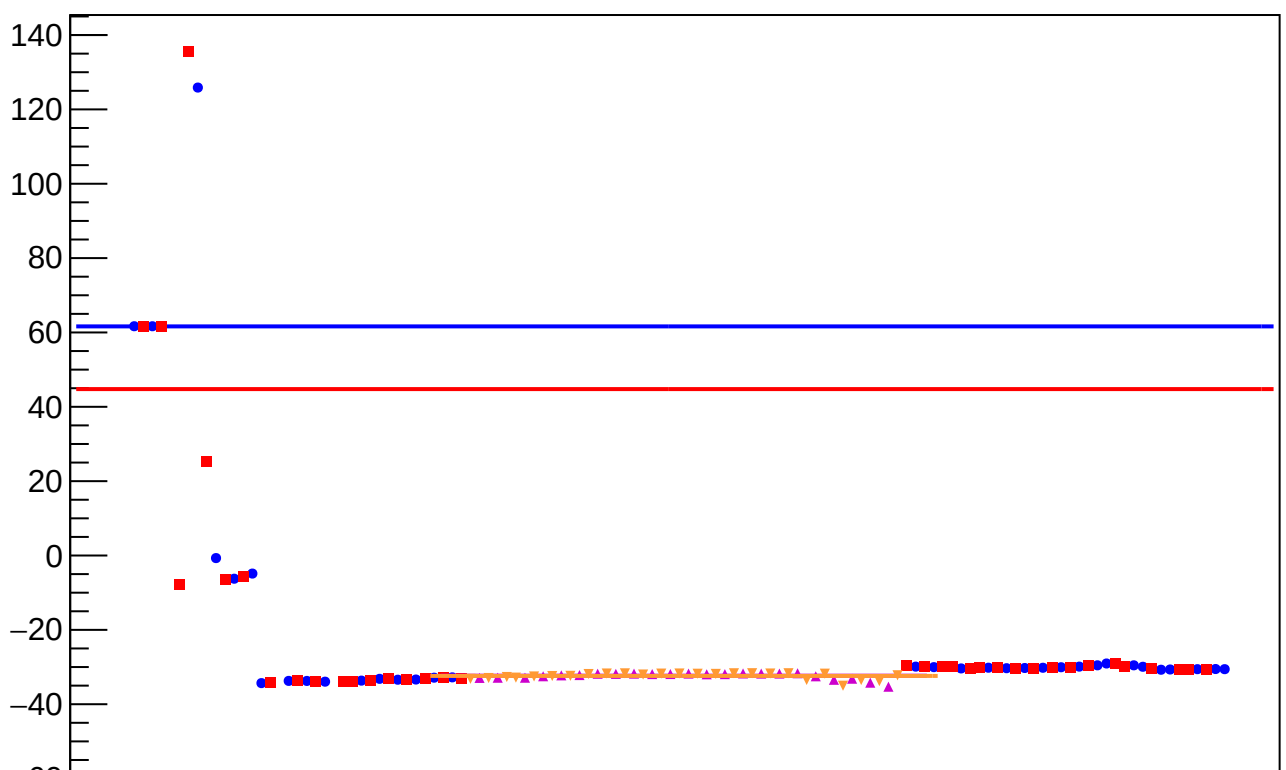
Right Out: 0.001+/-0.000 χ^2/NDF: 36549759.5/36

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 69635613.6/58

All: 0.002+/-0.000 χ^2/NDF: 136325639.6/118

- sign 0.002+/-0.000 χ^2/NDF: 66689703.3/59



Right In: 61.631+/-0.000 χ^2/NDF: 1333978411223.2/33

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.765+/-0.000 χ^2/NDF: 366678653719765.6/36

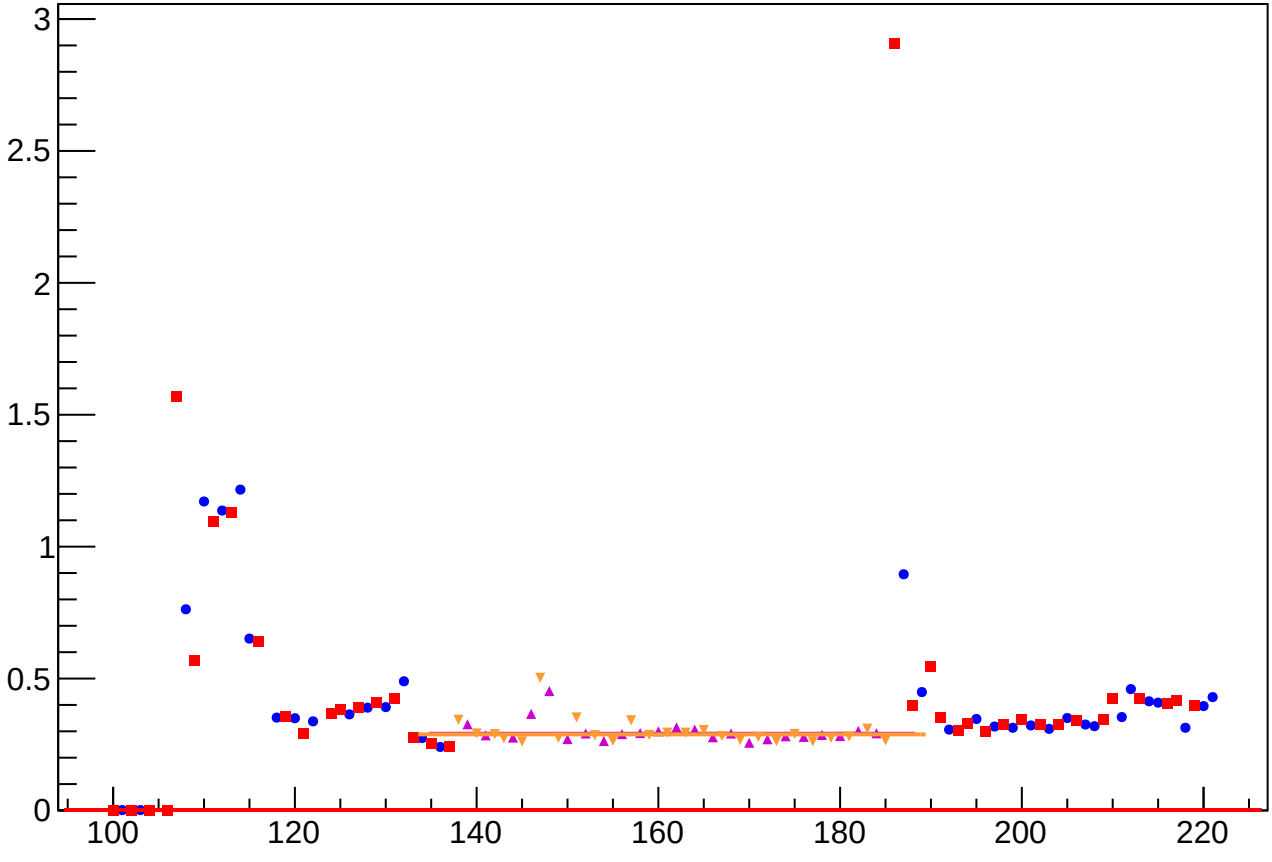
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.569+/-0.000 χ^2/NDF: 3290815720489.1/5

All: 52.613+/-0.000 χ^2/NDF: 4221597187872

- sign 44.724+/-0.000 χ^2/NDF: 367905822431474.9

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 39131845.2/33

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 37374606.6/36

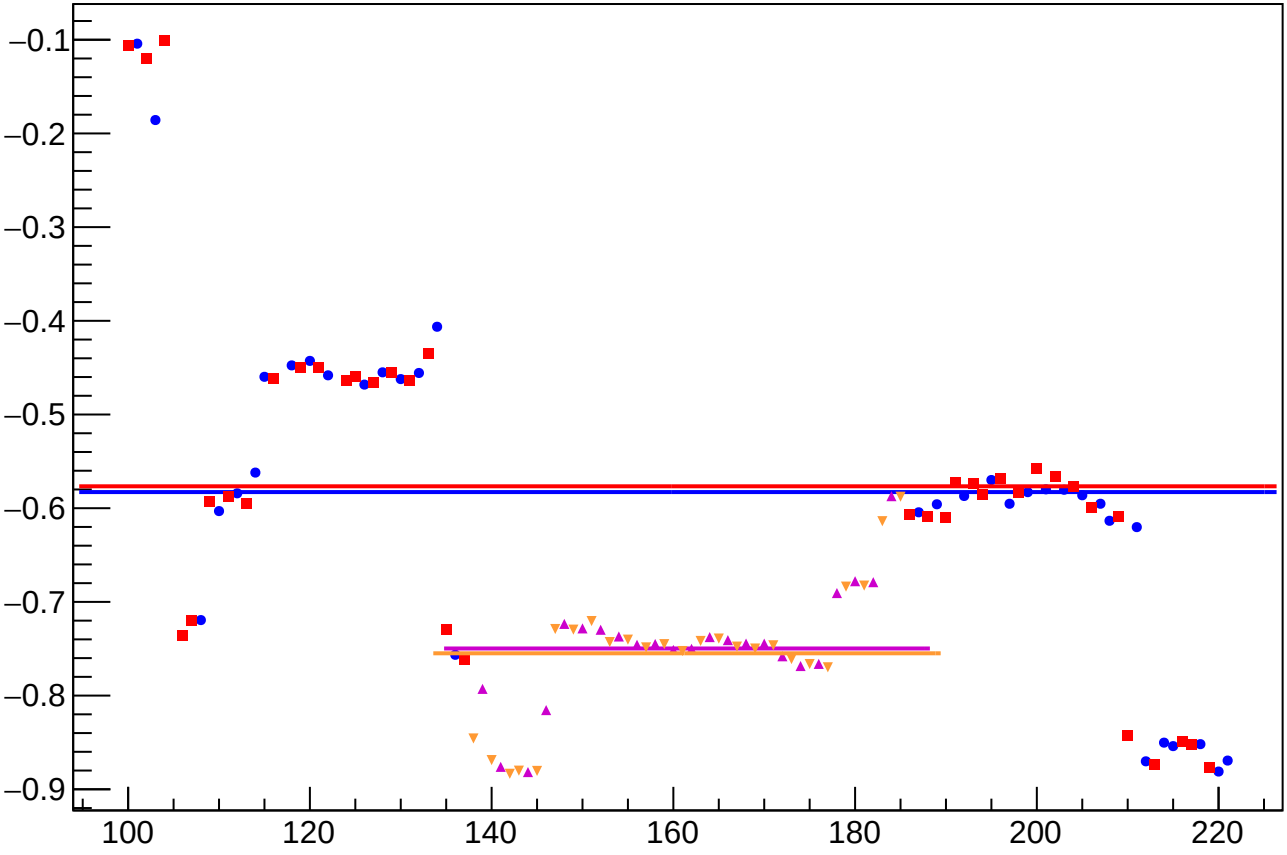
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 76065345.4/58

All: 0.002+/-0.000 χ^2/NDF: 148325955.8/118

- sign 0.002+/-0.000 χ^2/NDF: 72260160.3/59

yield_bpm4aX_mean vs Slug



Right In: -0.583+/-0.000 χ^2/NDF: 475235771.0/33

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.577+/-0.000 χ^2/NDF: 349705133.9/36

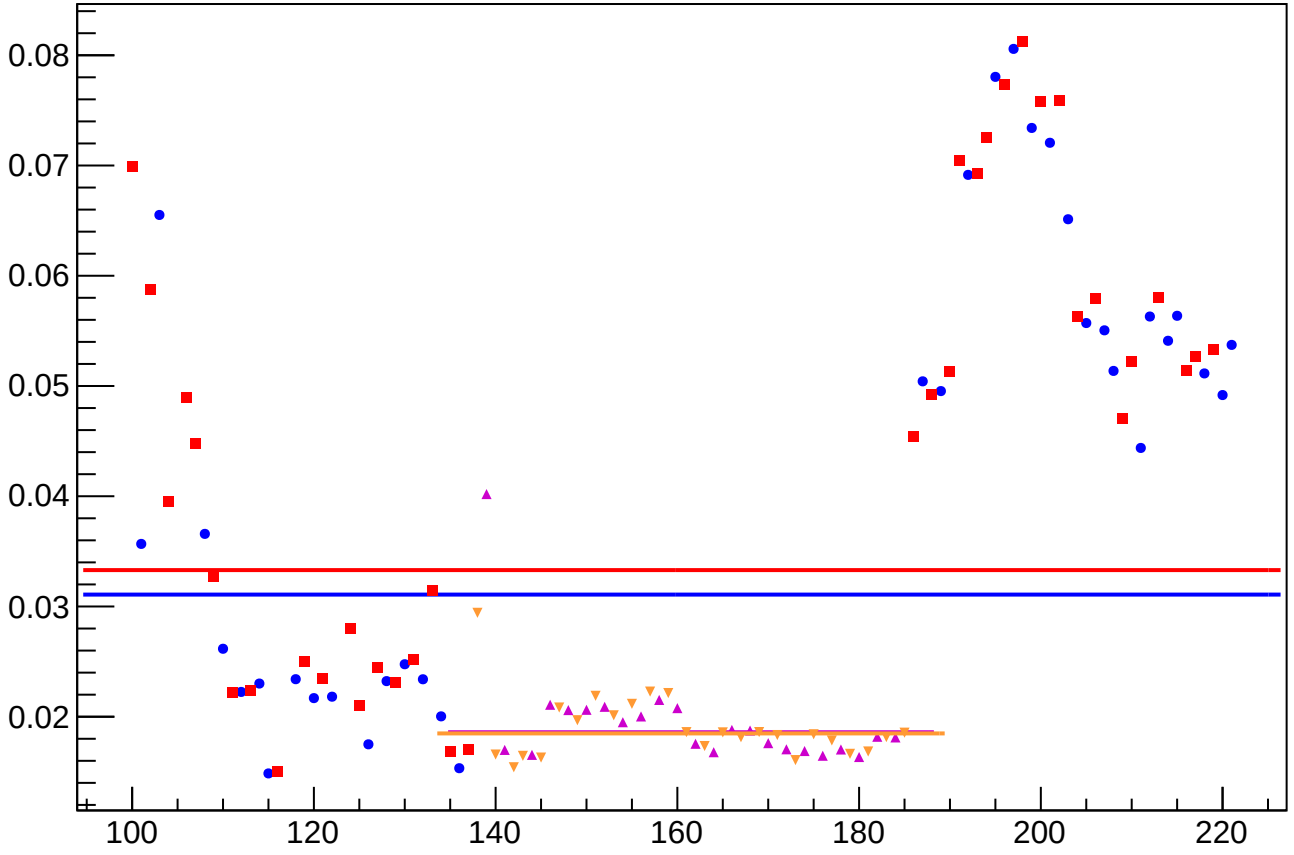
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 1038922830.1/58

All: -0.709+/-0.000 χ^2/NDF: 1844925227.3/1

- sign -0.707+/-0.000 χ^2/NDF: 805662282.3/59

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF: 9761790.8/33

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8695717.9/36

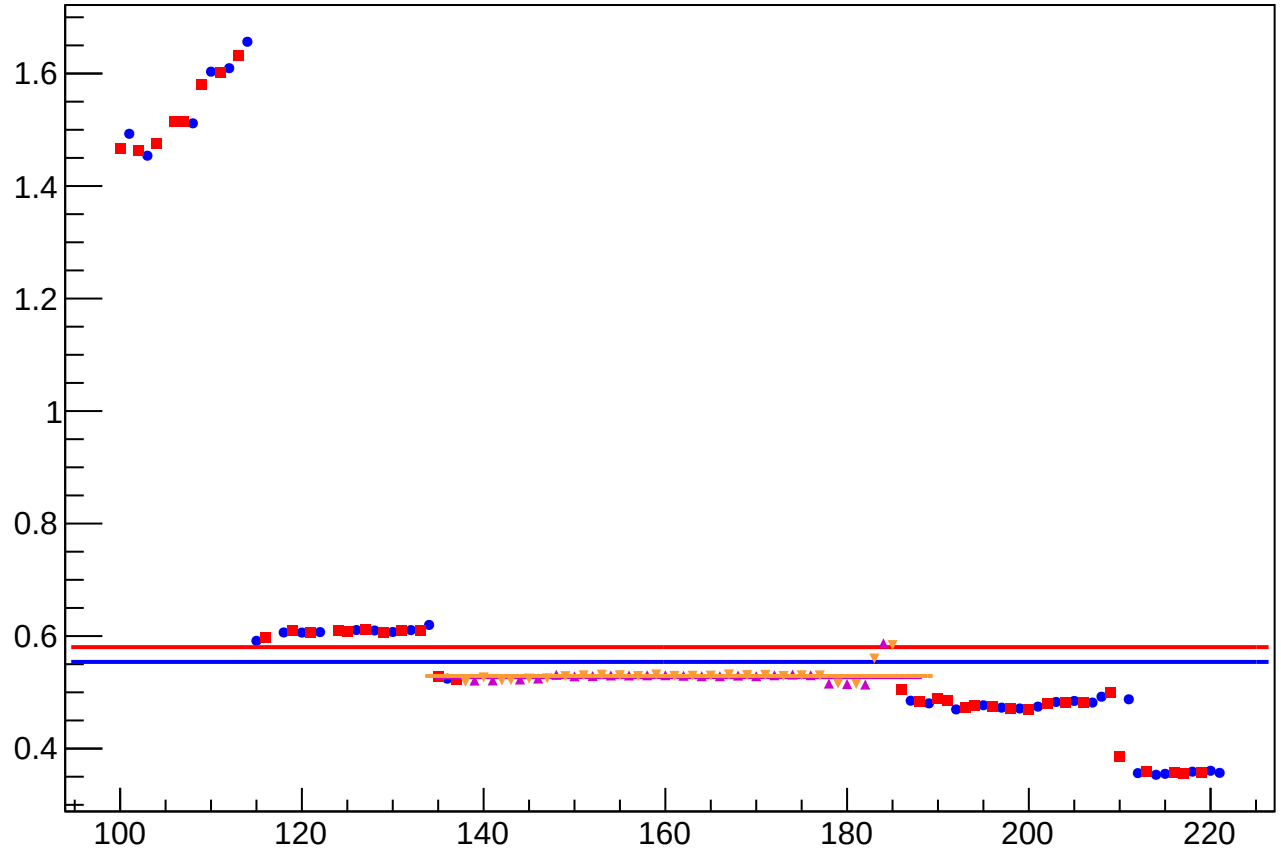
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.022+/-0.000 χ^2/NDF: 14013592.9/58

All: 0.022+/-0.000 χ^2/NDF: 28011014.6/118

- sign 0.022+/-0.000 χ^2/NDF: 13983516.3/59

yield_bpm4aY_mean vs Slug



Right In: 0.554+/-0.000 χ^2/NDF: 6529050358.0/33

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.580+/-0.000 χ^2/NDF: 7341846493.3/36

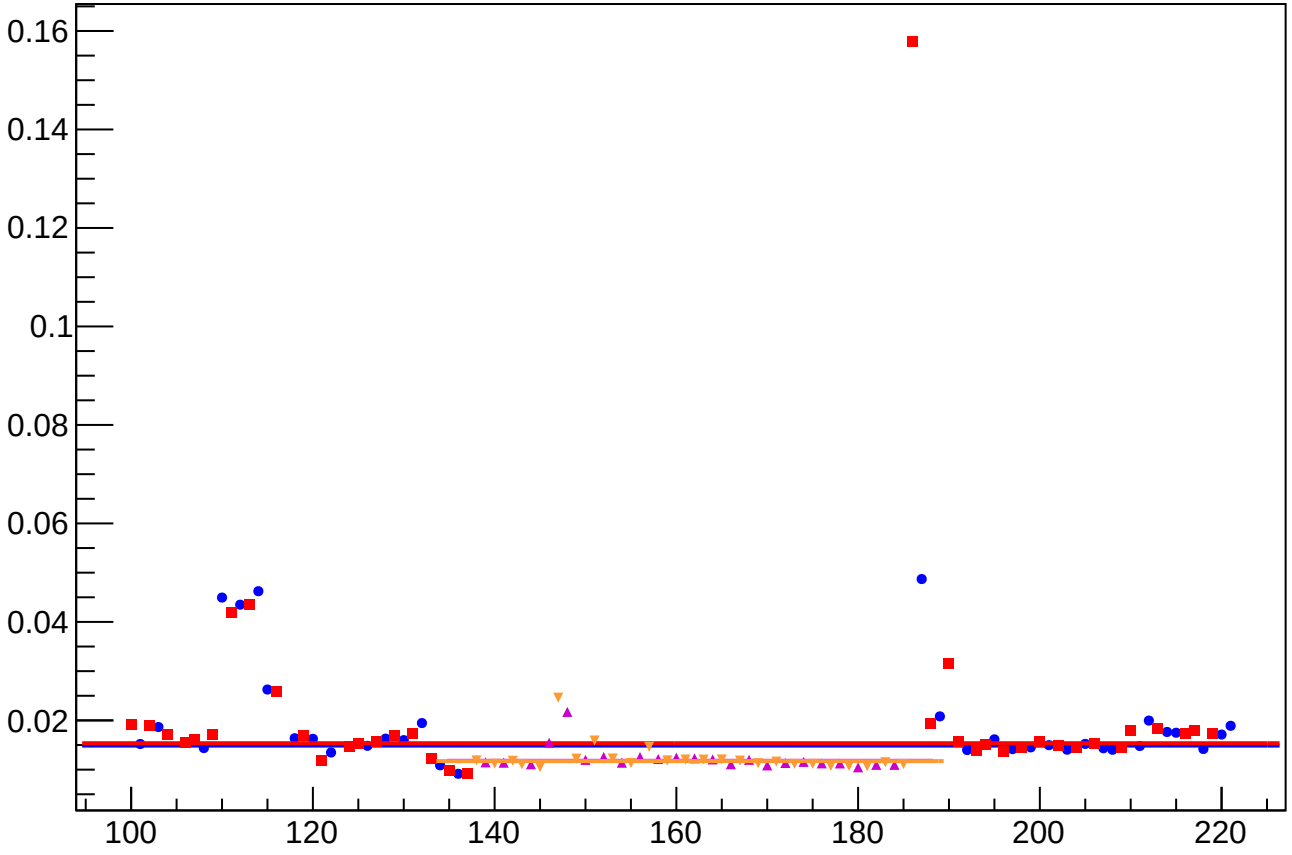
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.539+/-0.000 χ^2/NDF: 6578807543.6/58

All: 0.543+/-0.000 χ^2/NDF: 14082863058.0/1

- sign 0.548+/-0.000 χ^2/NDF: 7495659611.5/59

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2323602.5/33

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2569878.3/36

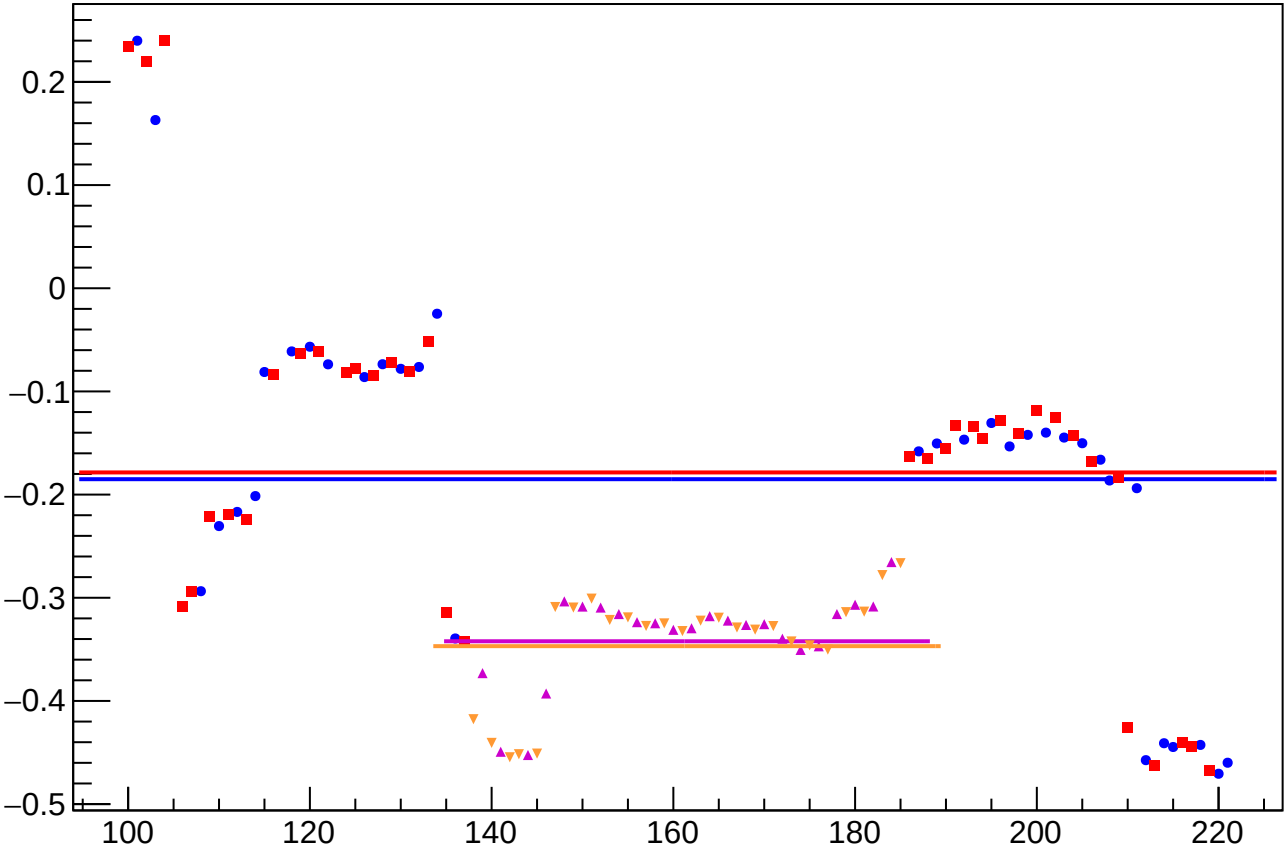
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 4091936.3/58

All: 0.013+/-0.000 χ^2/NDF: 8455715.1/118

- sign 0.013+/-0.000 χ^2/NDF: 4355346.3/59

yield_bpm4eX_mean vs Slug



Right In: -0.185+/-0.000 χ^2/NDF: 451626739.3/33

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.179+/-0.000 χ^2/NDF: 334157622.3/36

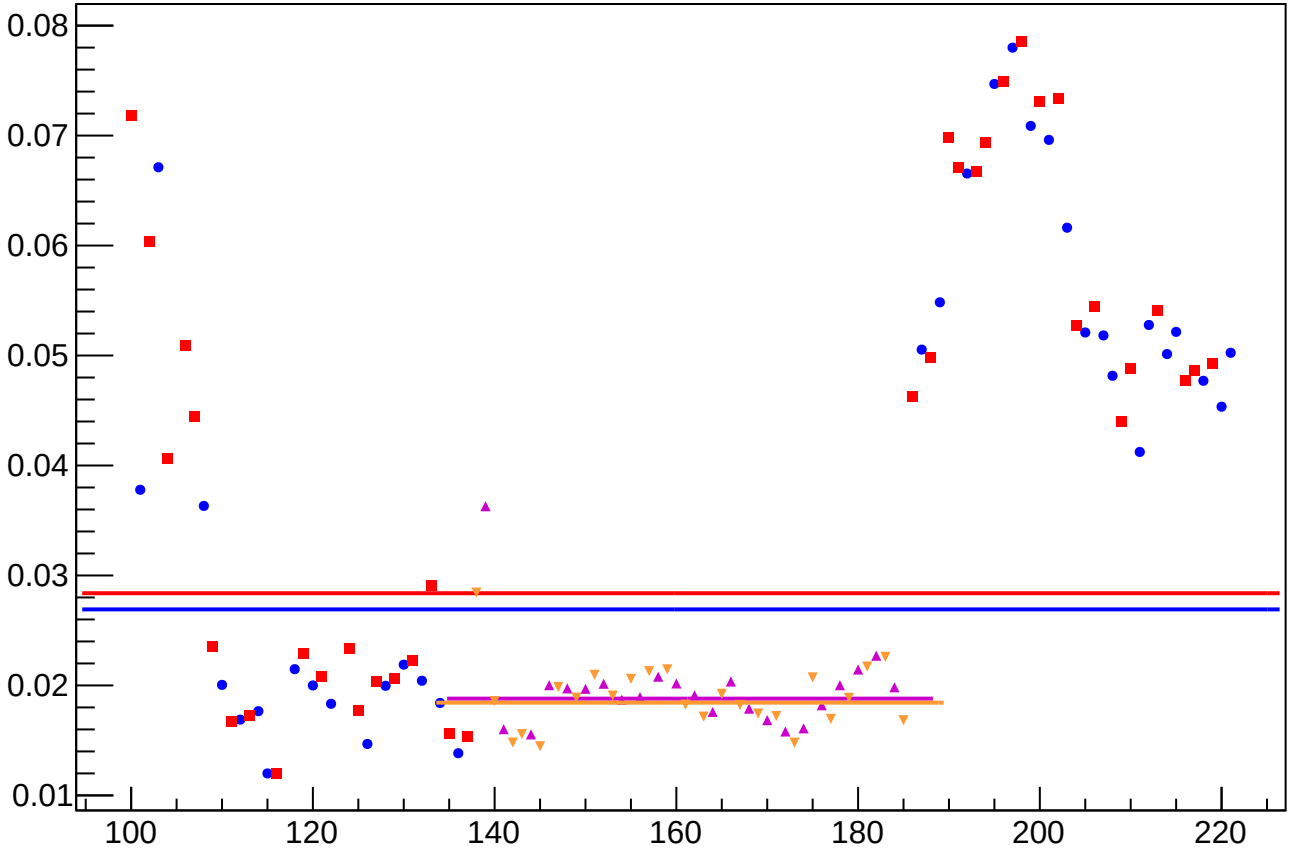
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 948021461.6/58

All: -0.296+/-0.000 χ^2/NDF: 1710285739.0/1

- sign -0.293+/-0.000 χ^2/NDF: 761623588.9/59

yield_bpm4eX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 11282758.5/33

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10608582.8/36

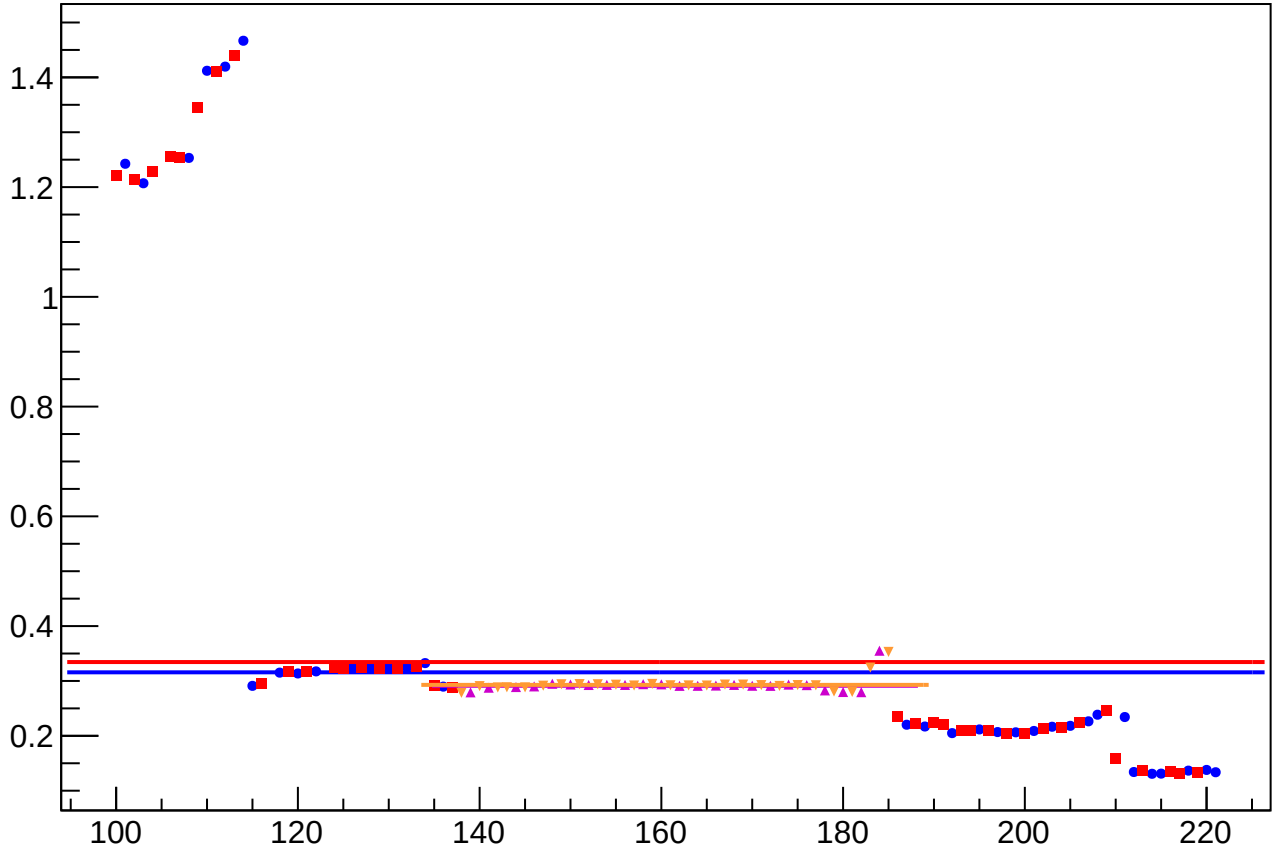
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.021+/-0.000 χ^2/NDF: 13956706.5/58

All: 0.021+/-0.000 χ^2/NDF: 27640079.5/118

- sign 0.022+/-0.000 χ^2/NDF: 13656378.1/59

yield_bpm4eY_mean vs Slug



Right In: 0.316+/-0.000 χ^2/NDF: 9170697702.5/33

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.334+/-0.000 χ^2/NDF: 9939991228.1/36

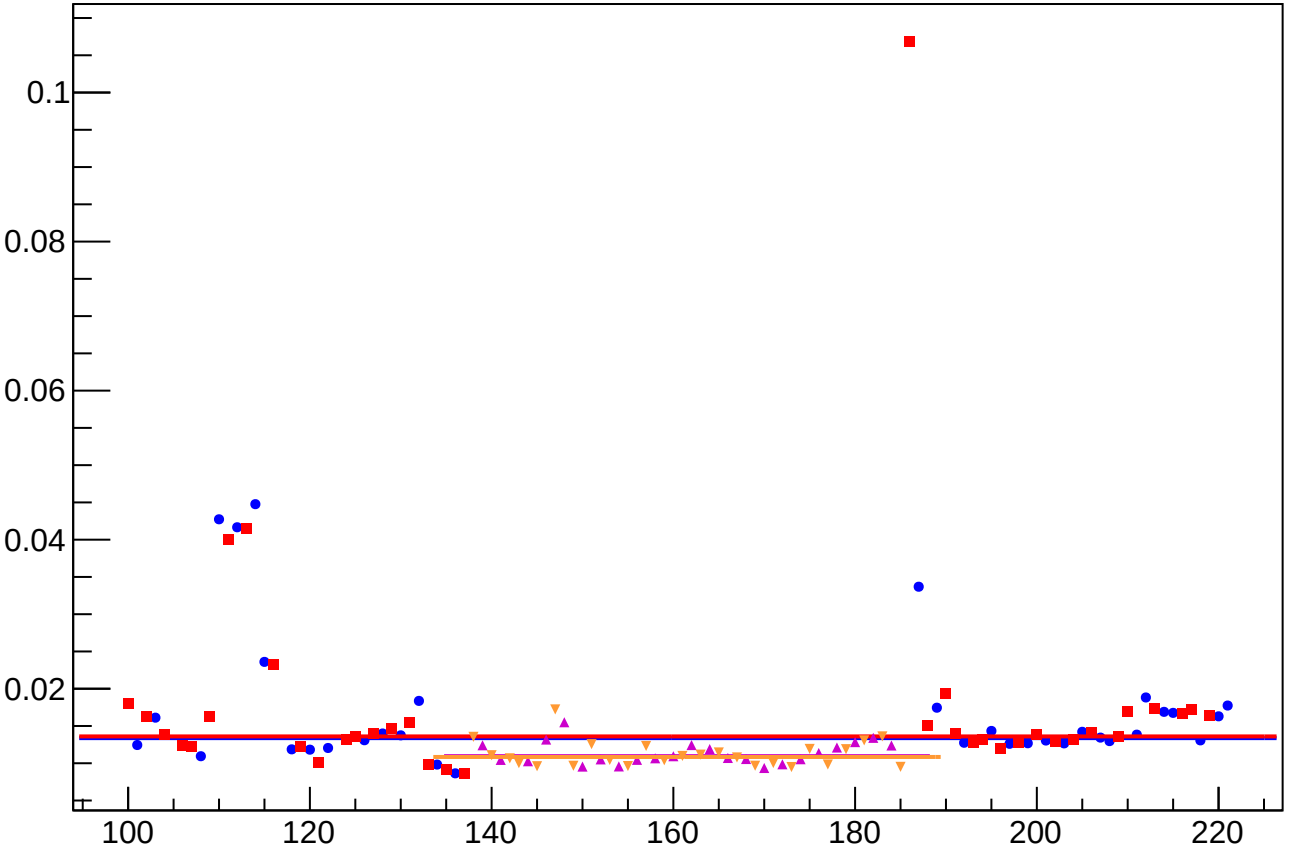
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.302+/-0.000 χ^2/NDF: 9221769150.5/58

All: 0.306+/-0.000 χ^2/NDF: 19290814603.3/1

- sign 0.309+/-0.000 χ^2/NDF: 10063018915.0/59

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2328273.8/33

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

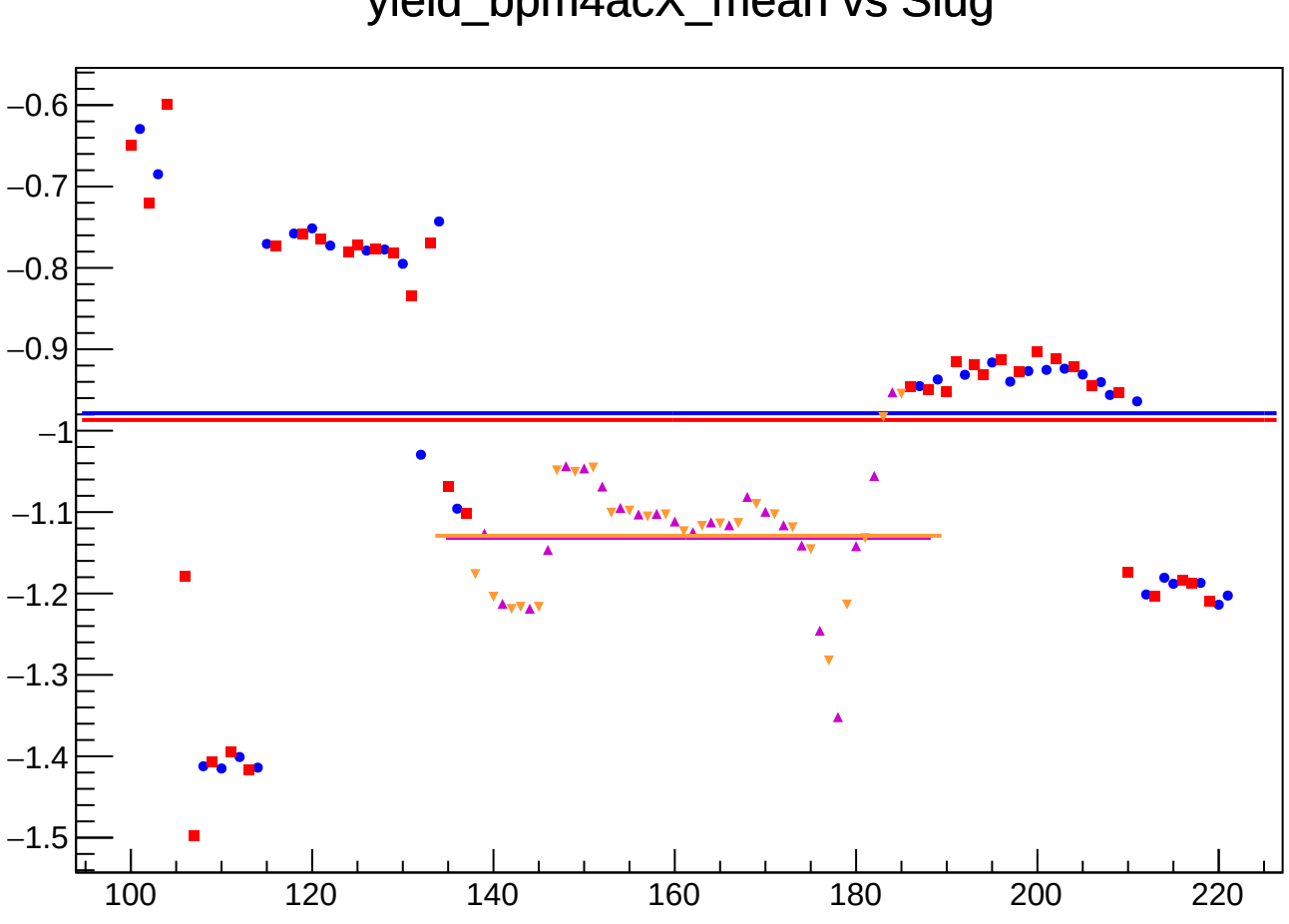
Right Out: 0.014+/-0.000 χ^2/NDF: 2553953.6/36

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 3807848.0/58

All: 0.012+/-0.000 χ^2/NDF: 7723449.0/118

- sign 0.012+/-0.000 χ^2/NDF: 3908671.5/59



Right In: -0.979+/-0.000 χ^2/NDF: 805272978.5/33

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.987+/-0.000 χ^2/NDF: 788909281.1/36

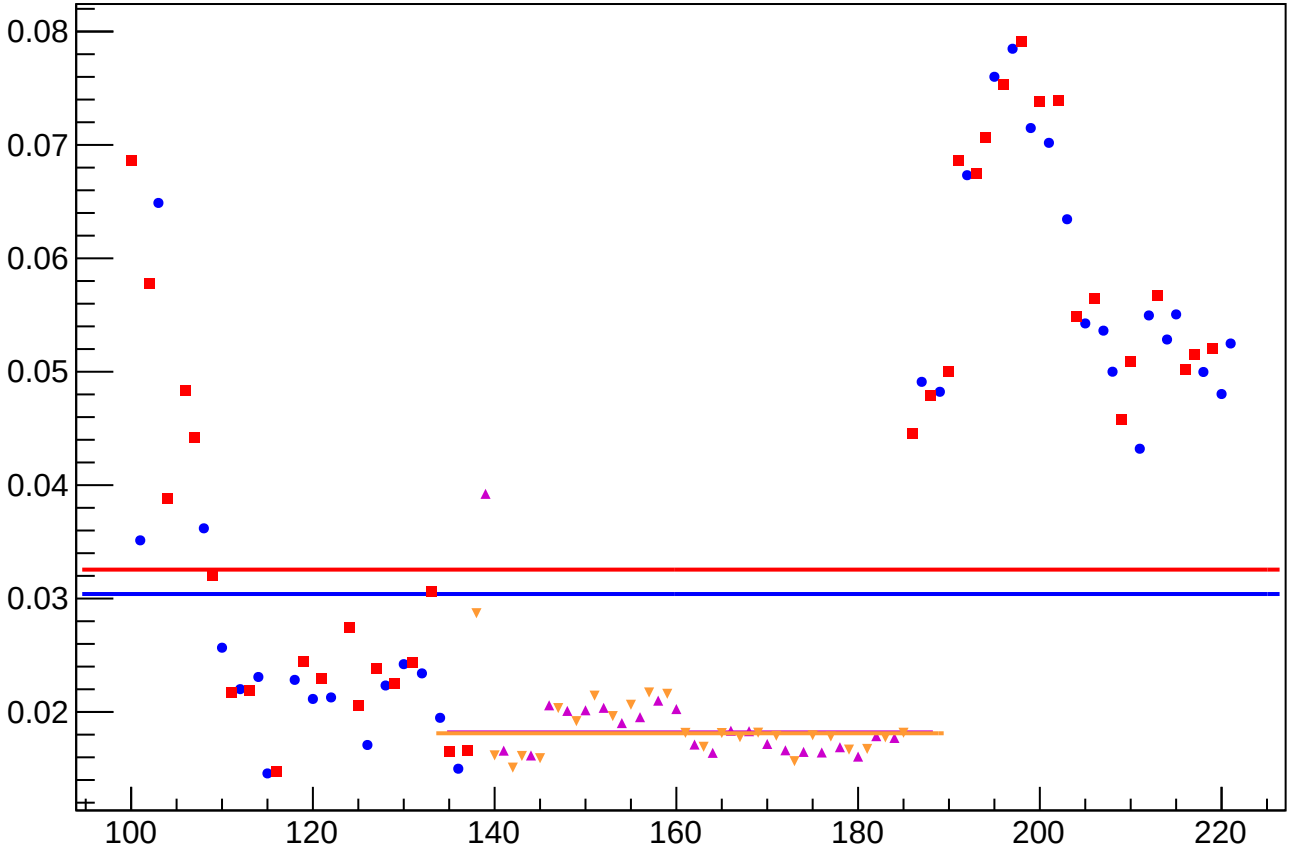
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.090+/-0.000 χ^2/NDF: 1324069999.8/58

All: -1.093+/-0.000 χ^2/NDF: 2604829494.2/1

- sign -1.096+/-0.000 χ^2/NDF: 1279712345.8/59

yield_bpm4acX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 9728881.3/33

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8666315.4/36

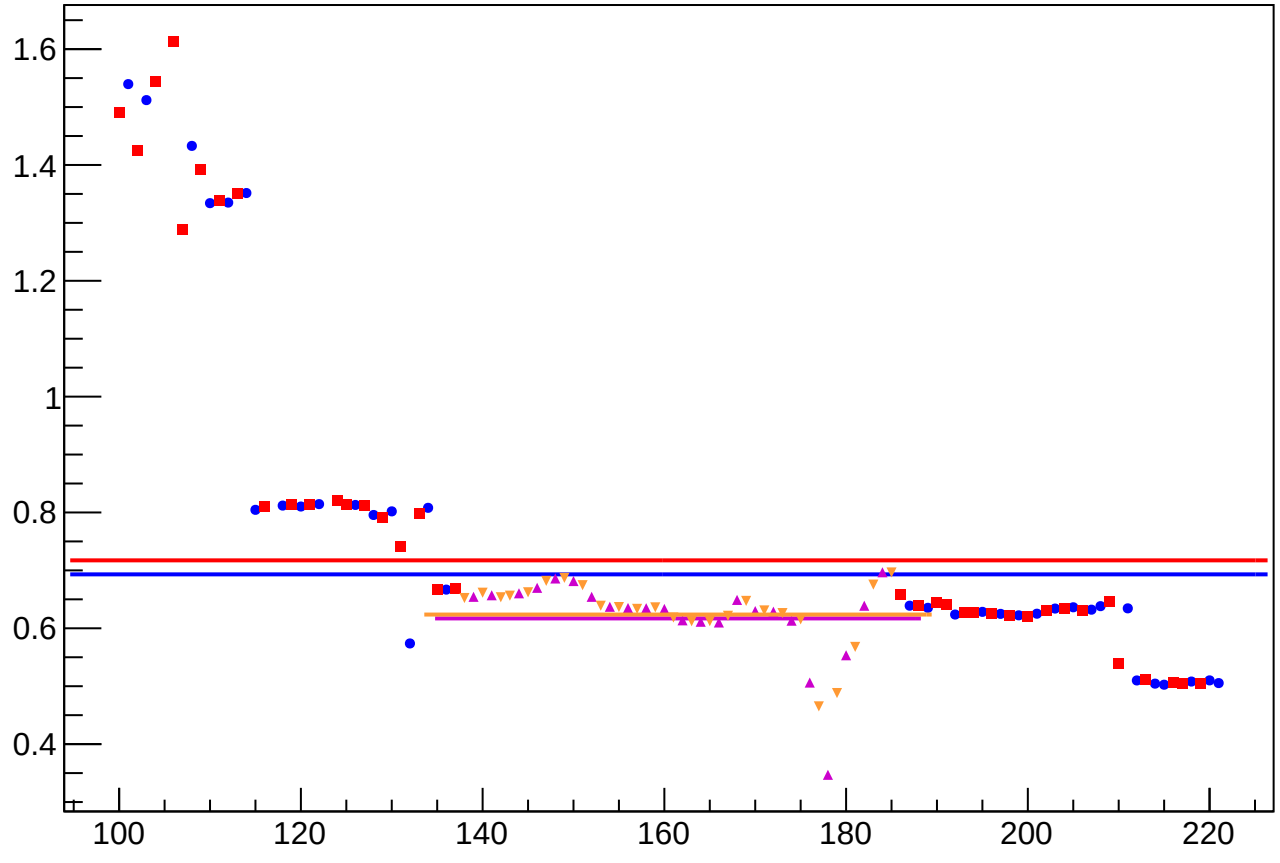
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 13937944.4/58

All: 0.022+/-0.000 χ^2/NDF: 27870512.5/118

- sign 0.022+/-0.000 χ^2/NDF: 13920518.9/59

yield_bpm4acY_mean vs Slug



Right In: 0.693+/-0.000 χ^2/NDF: 4653361816.8/33

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.717+/-0.000 χ^2/NDF: 4875816375.8/36

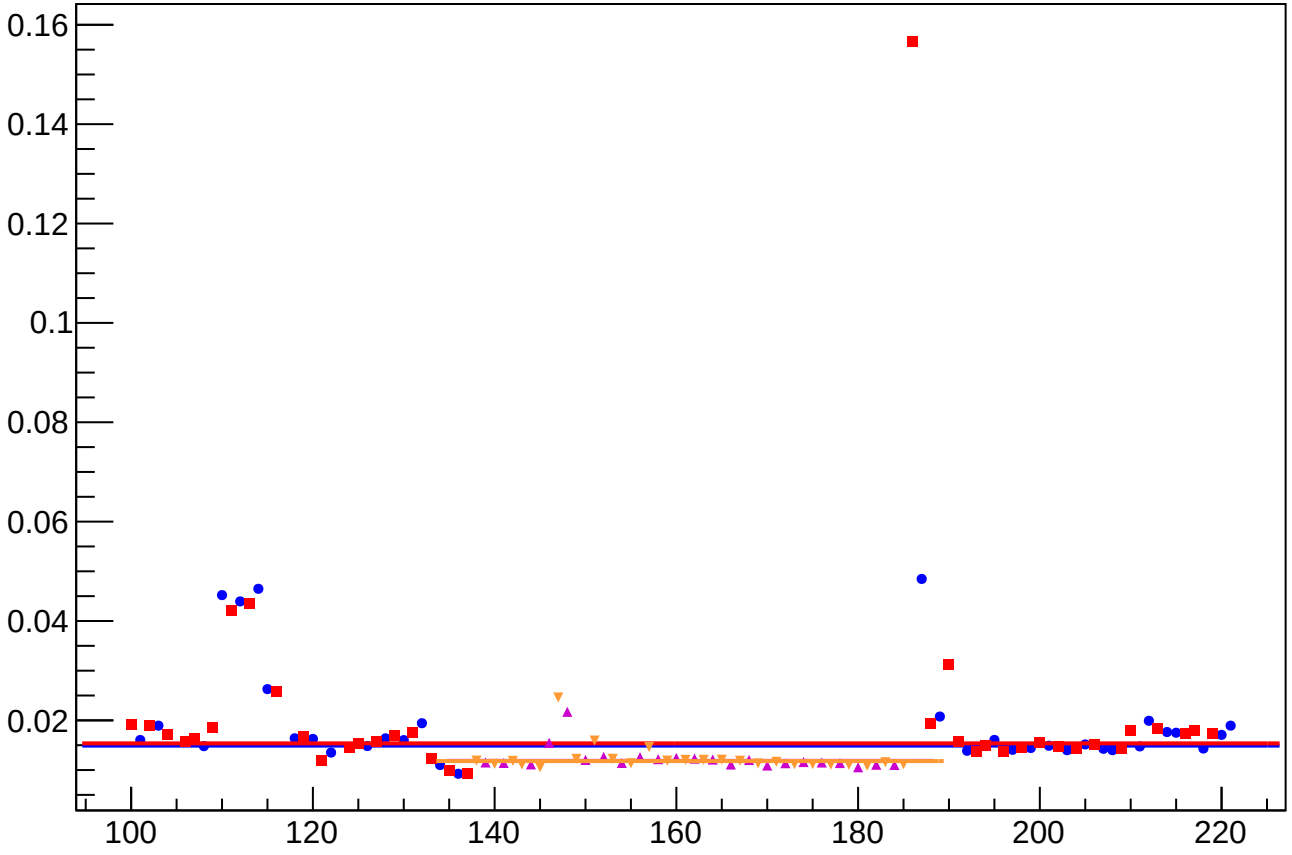
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.652+/-0.000 χ^2/NDF: 5310279689.8/58

All: 0.654+/-0.000 χ^2/NDF: 11329811909.1/1

- sign 0.656+/-0.000 χ^2/NDF: 6016943026.7/59

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2299156.6/33

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2575789.7/36

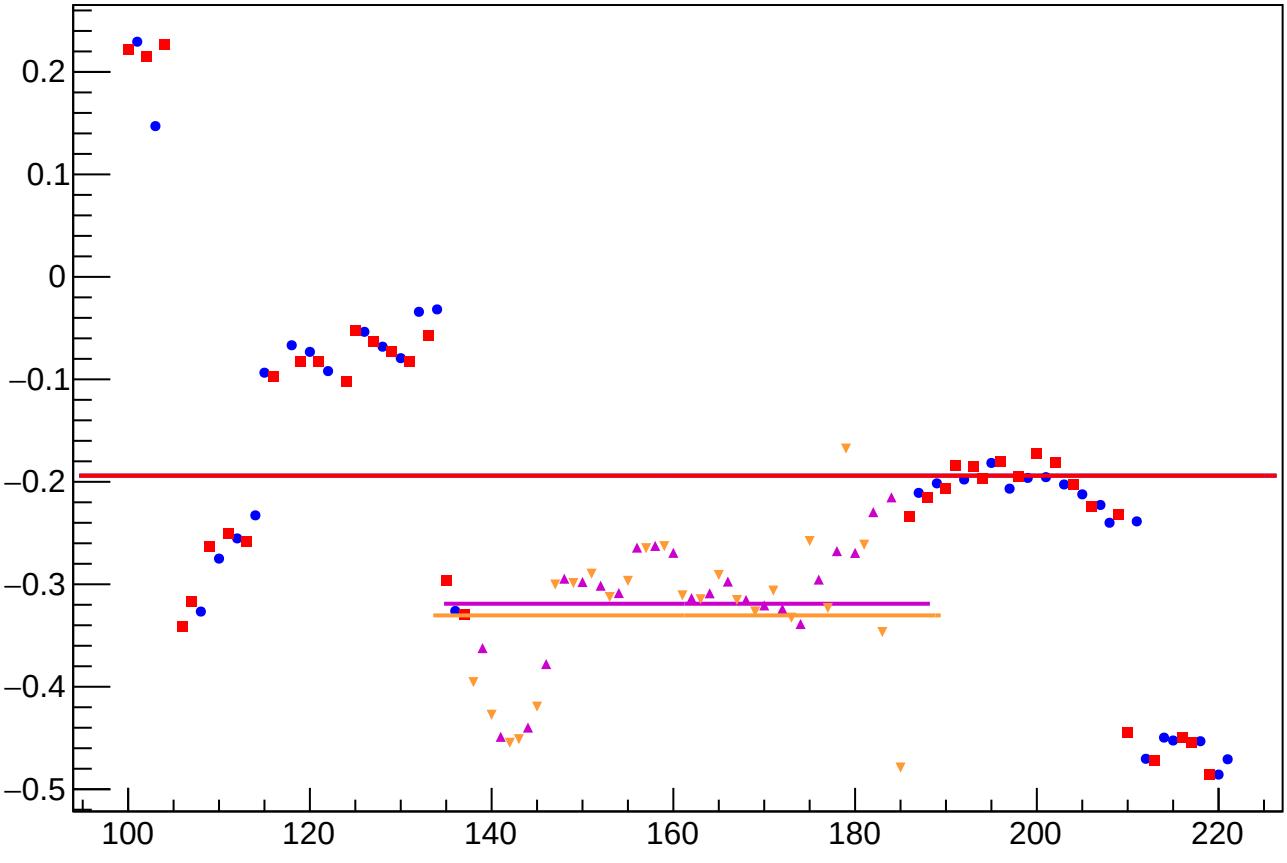
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 4005535.1/58

All: 0.013+/-0.000 χ^2/NDF: 8319214.8/118

- sign 0.013+/-0.000 χ^2/NDF: 4307144.3/59

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF: 455697743.5/33

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.194+/-0.000 χ^2/NDF: 330073201.4/36

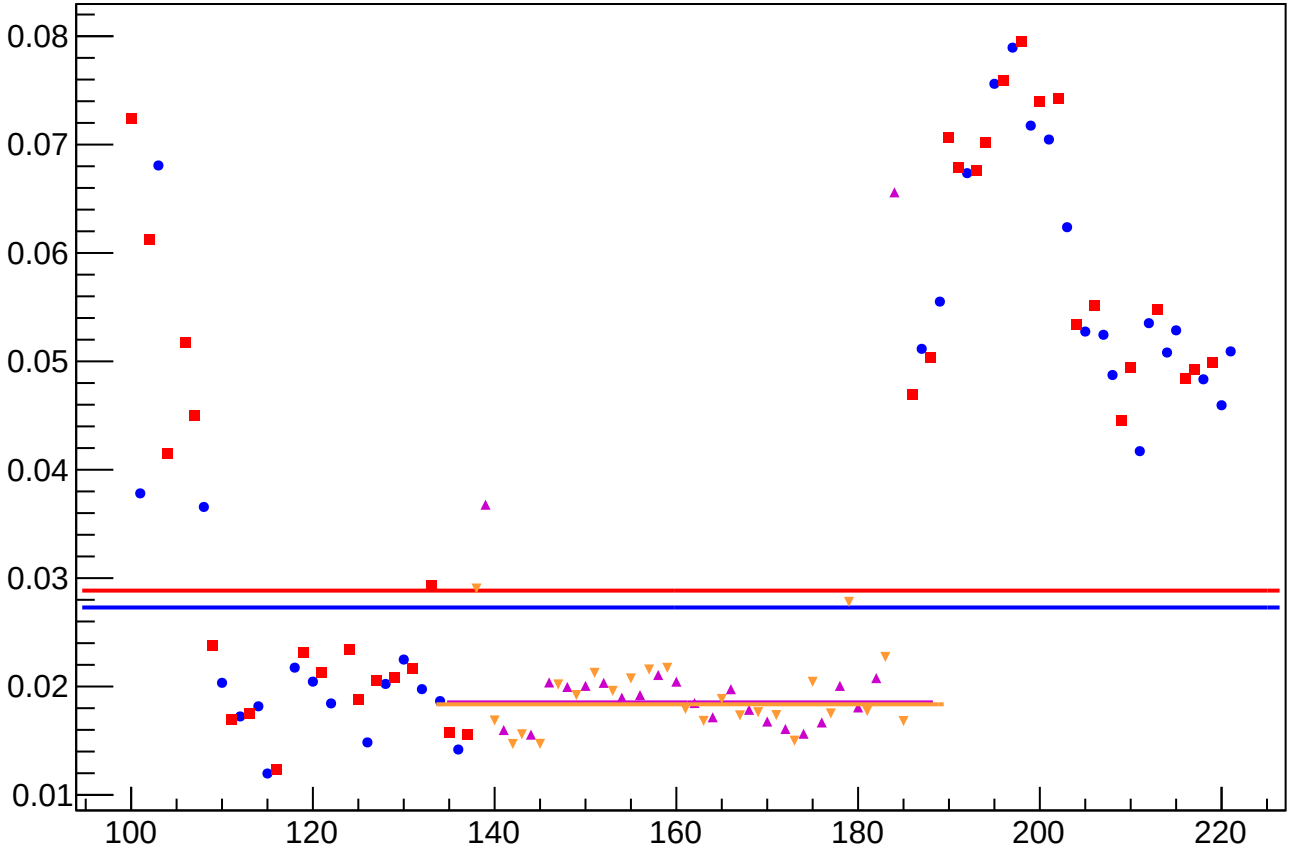
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.289+/-0.000 χ^2/NDF: 895083487.0/58

All: -0.286+/-0.000 χ^2/NDF: 1550547076.7/1

- sign -0.282+/-0.000 χ^2/NDF: 654065001.1/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 11239498.9/33

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.029+/-0.000 χ^2/NDF: 10541708.7/36

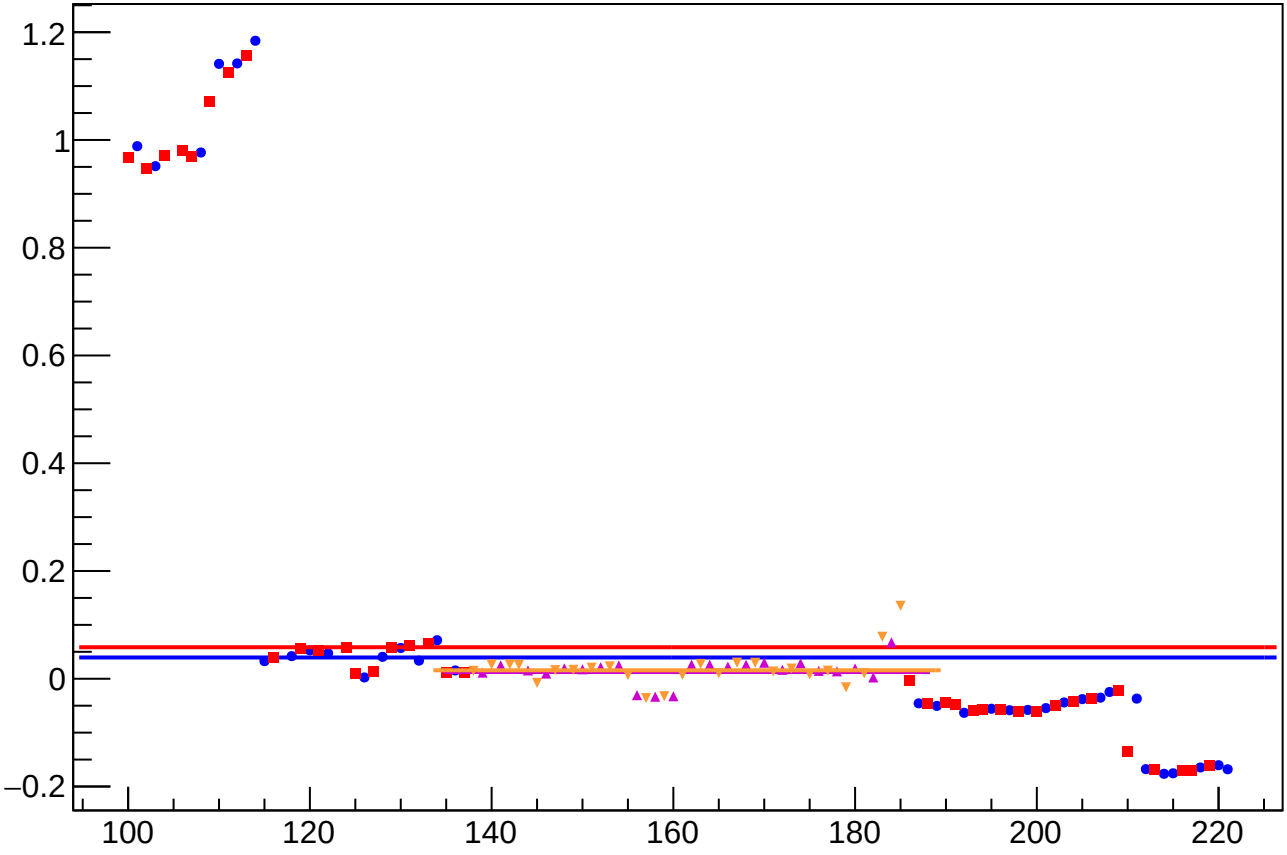
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.021+/-0.000 χ^2/NDF: 14178257.7/58

All: 0.021+/-0.000 χ^2/NDF: 28303640.7/118

- sign 0.022+/-0.000 χ^2/NDF: 14110168.3/59

yield_bpm4ecY_mean vs Slug



Right In: 0.039+/-0.000 χ^2/NDF: 9491331448.4/33

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.058+/-0.000 χ^2/NDF: 9999885410.4/36

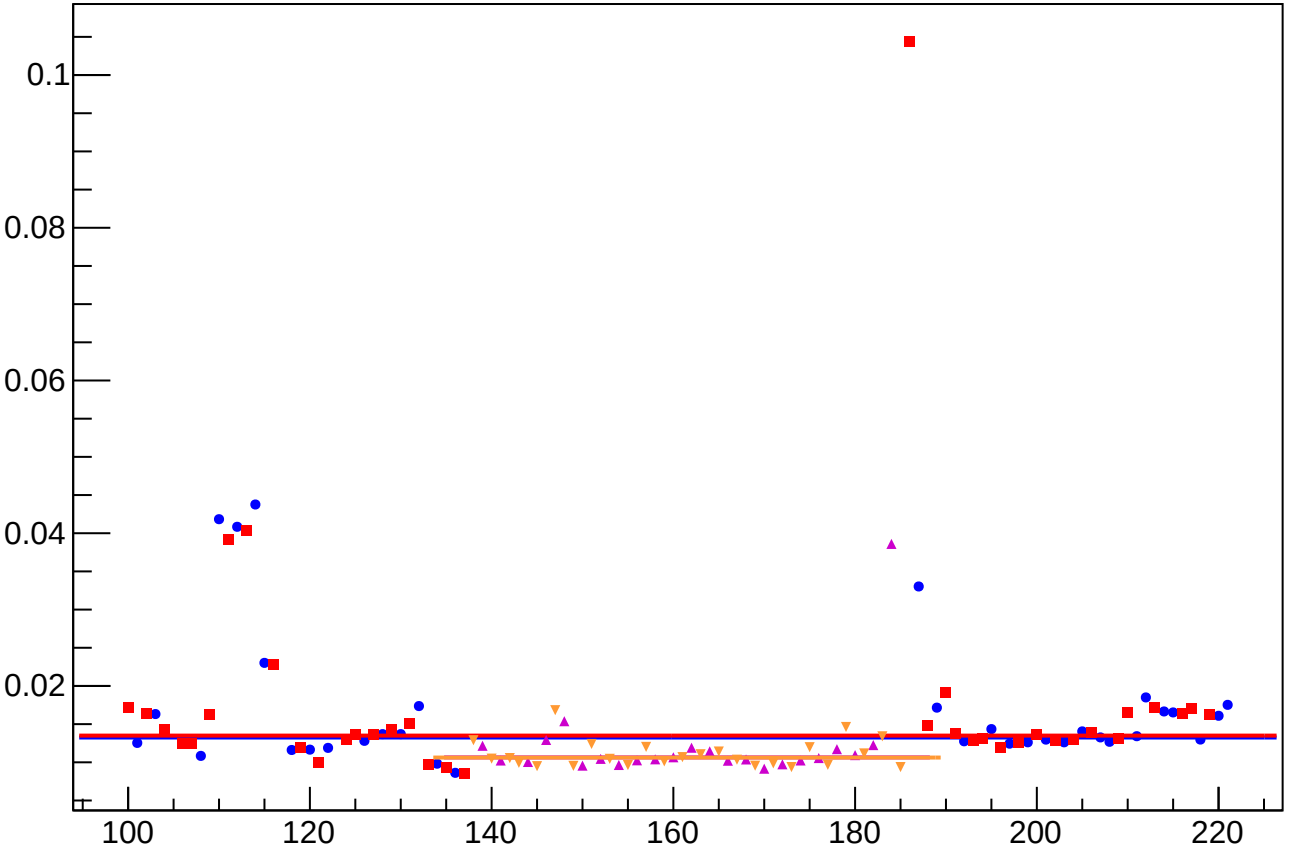
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.026+/-0.000 χ^2/NDF: 9632925760.4/58

All: 0.028+/-0.000 χ^2/NDF: 19826620713.8/1

- sign 0.031+/-0.000 χ^2/NDF: 10189280284.5/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2270196.0/33

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

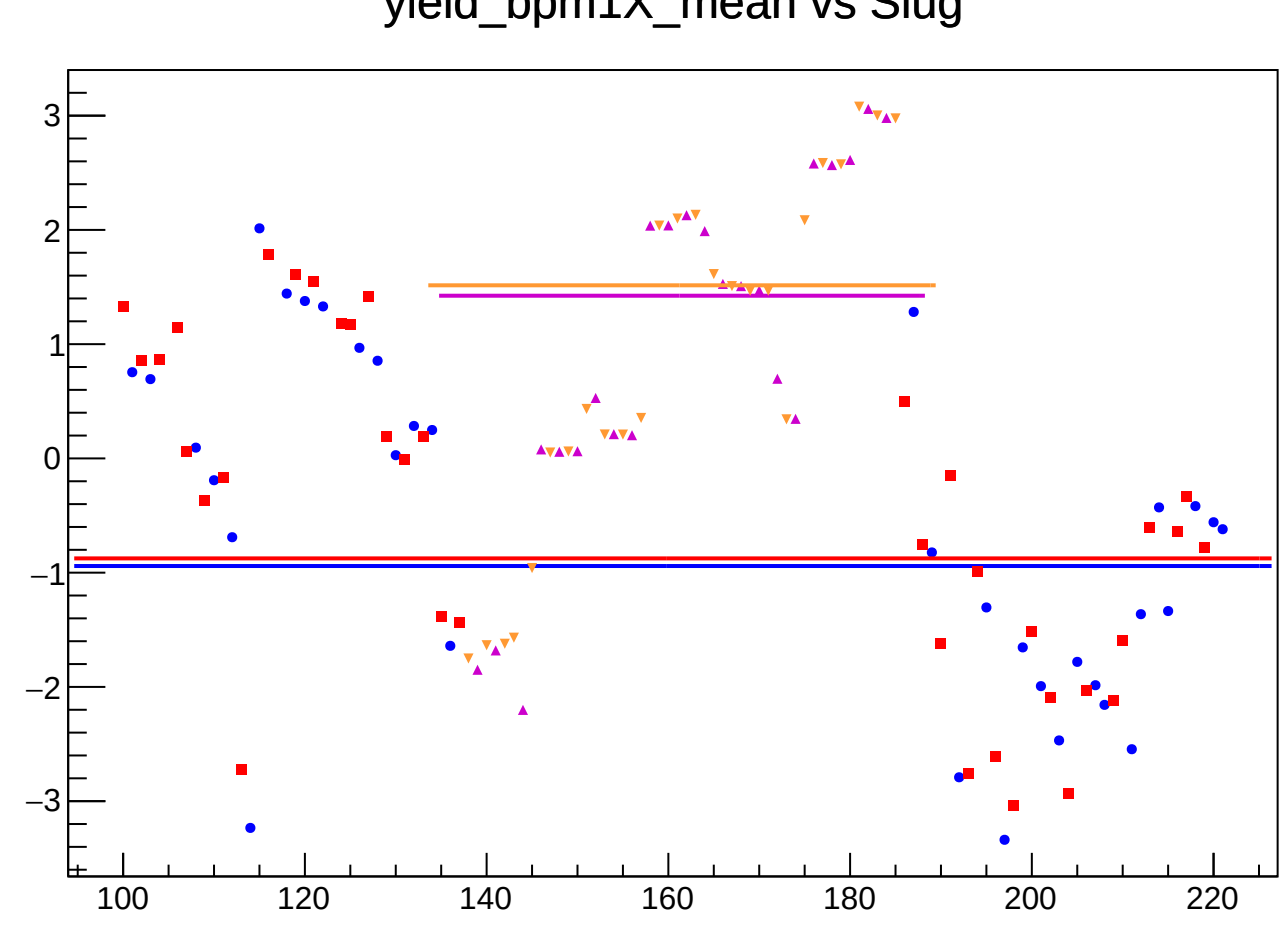
Right Out: 0.013+/-0.000 χ^2/NDF: 2473058.8/36

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 3798932.7/58

All: 0.012+/-0.000 χ^2/NDF: 7853530.6/118

- sign 0.012+/-0.000 χ^2/NDF: 4051862.9/59



Right In: -0.942+/-0.000 χ^2/NDF: 9907981578.7/33

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.875+/-0.000 χ^2/NDF: 9783284955.3/36

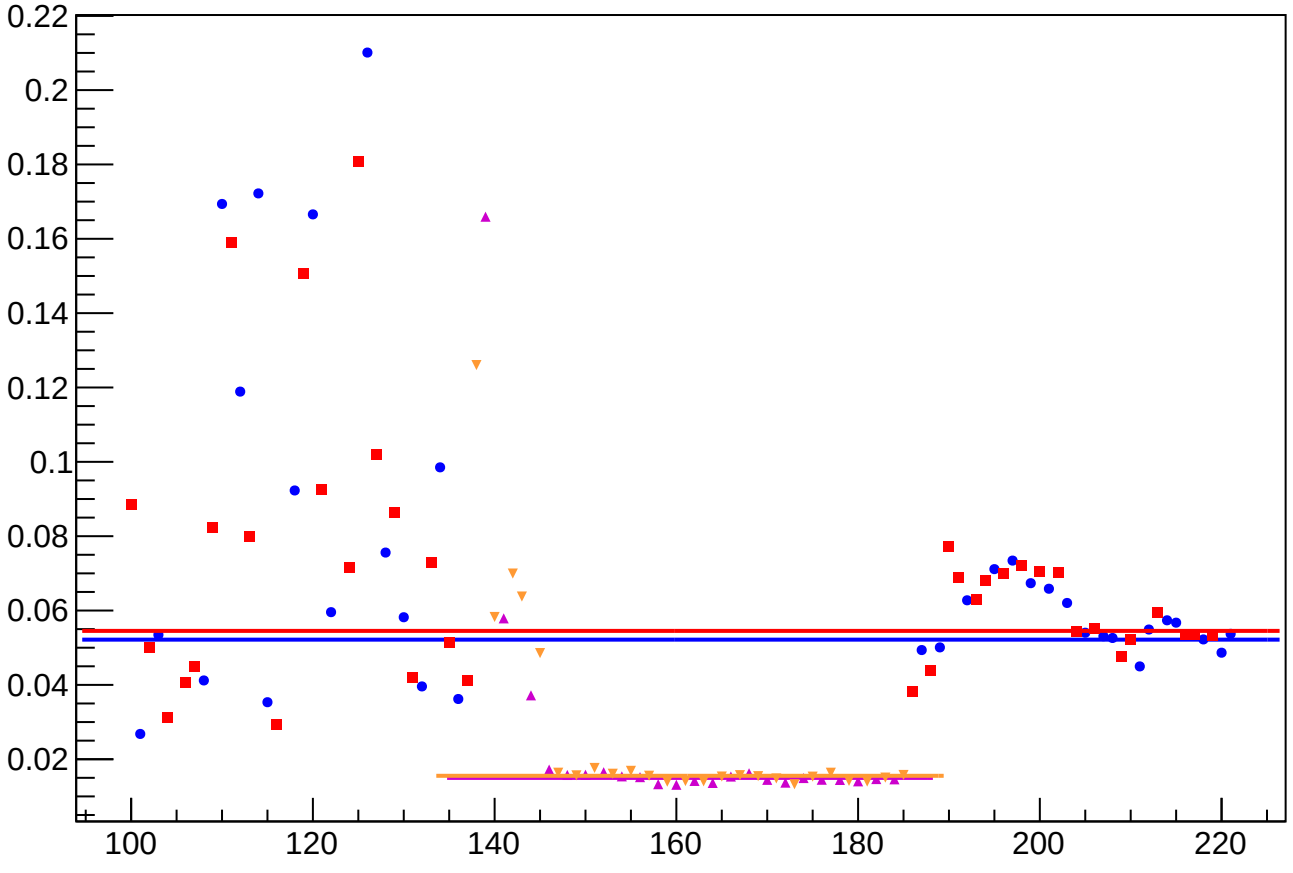
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.280+/-0.000 χ^2/NDF: 112717812936.8/58

All: 1.253+/-0.000 χ^2/NDF: 218730033677.7

- sign 1.227+/-0.000 χ^2/NDF: 105918742260.0/59

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3632851.2/33

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

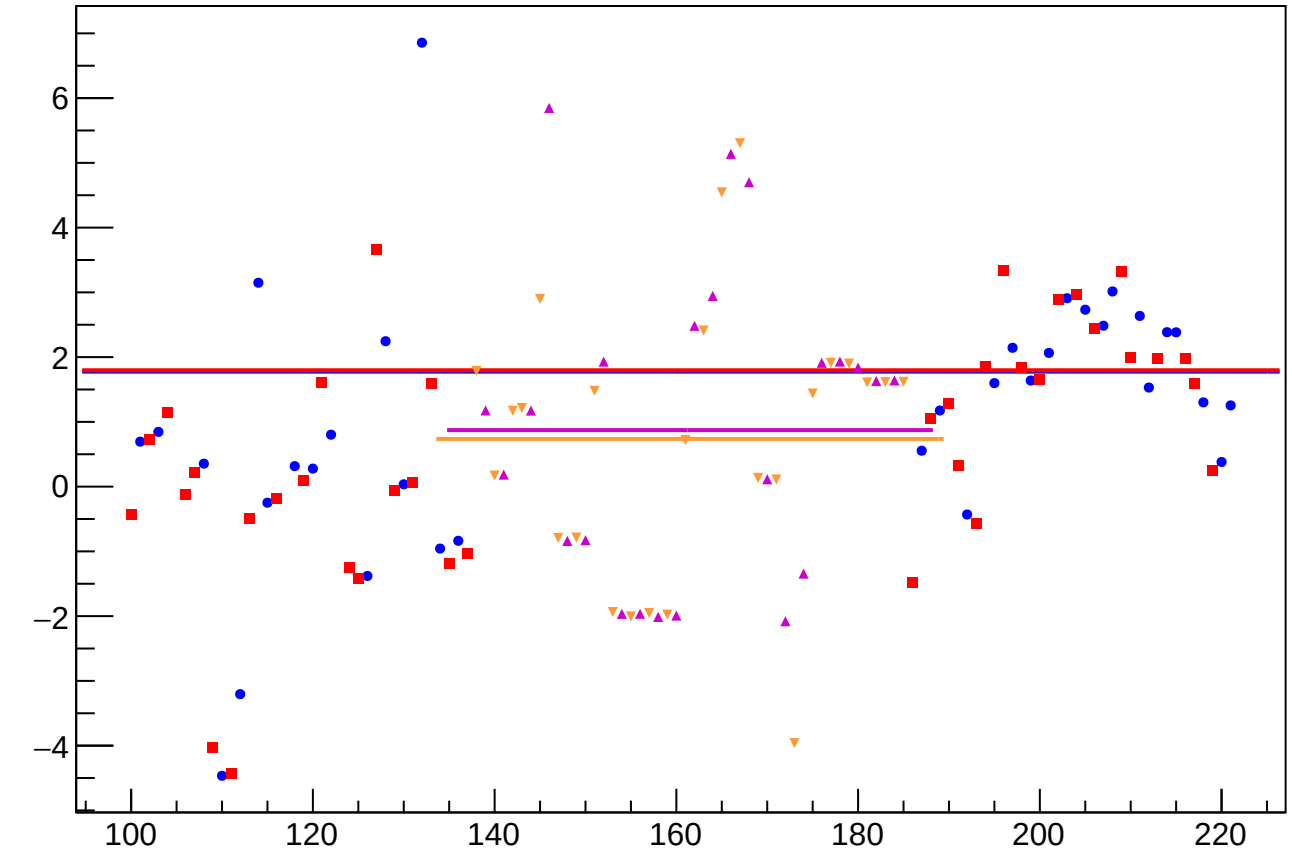
Right Out: 0.055+/-0.000 χ^2/NDF: 3198296.6/36

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.019+/-0.000 χ^2/NDF: 22180672.8/58

All: 0.019+/-0.000 χ^2/NDF: 44217984.8/118

- sign 0.018+/-0.000 χ^2/NDF: 22005044.4/59



Right In: 1.776+/-0.000 χ^2/NDF: 49213578546.3/33

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.797+/-0.000 χ^2/NDF: 50583778500.3/36

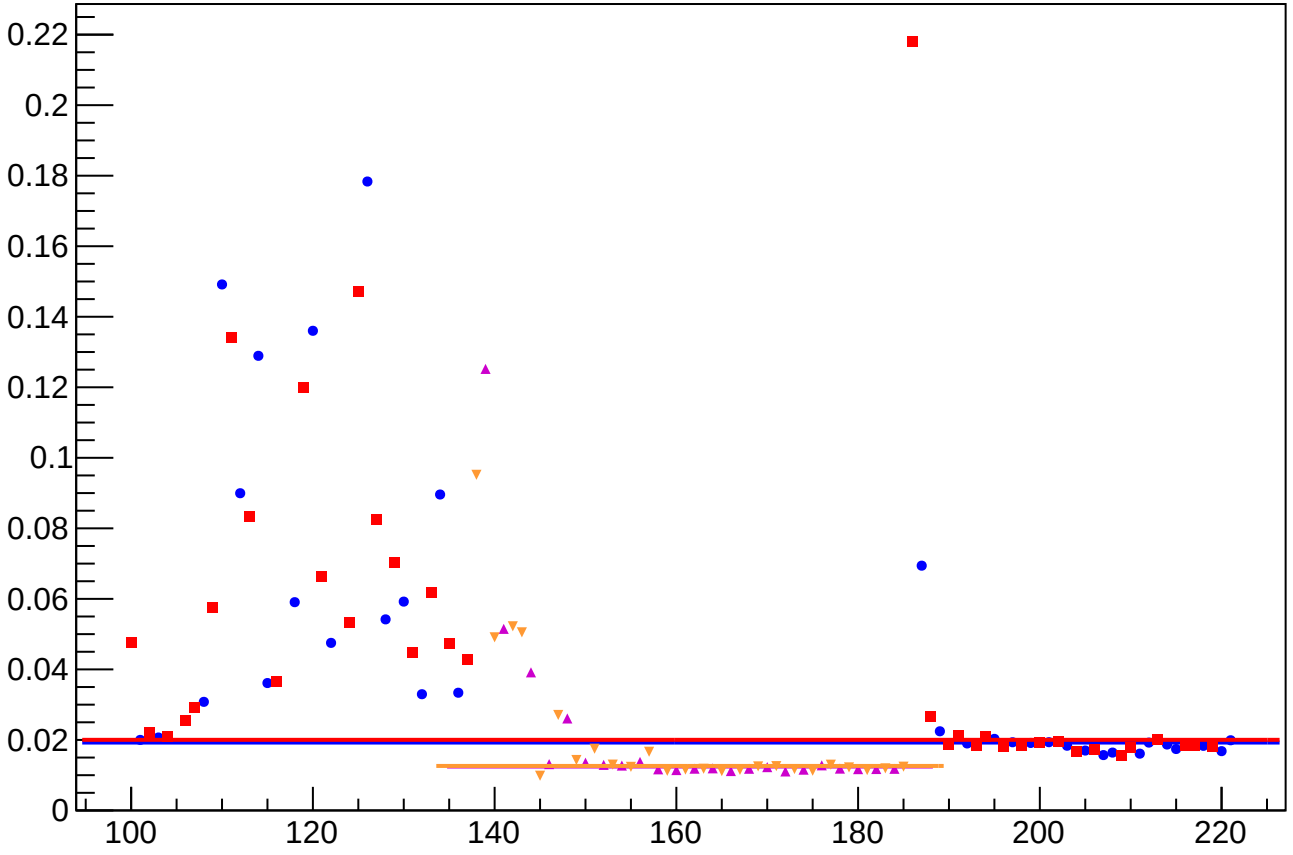
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 1.051+/-0.000 χ^2/NDF: 617575916943.2/58

All: 1.090+/-0.000 χ^2/NDF: 1312374705050.

- sign 1.130+/-0.000 χ^2/NDF: 694357122421.8/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 4543135.7/33

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5573107.1/36

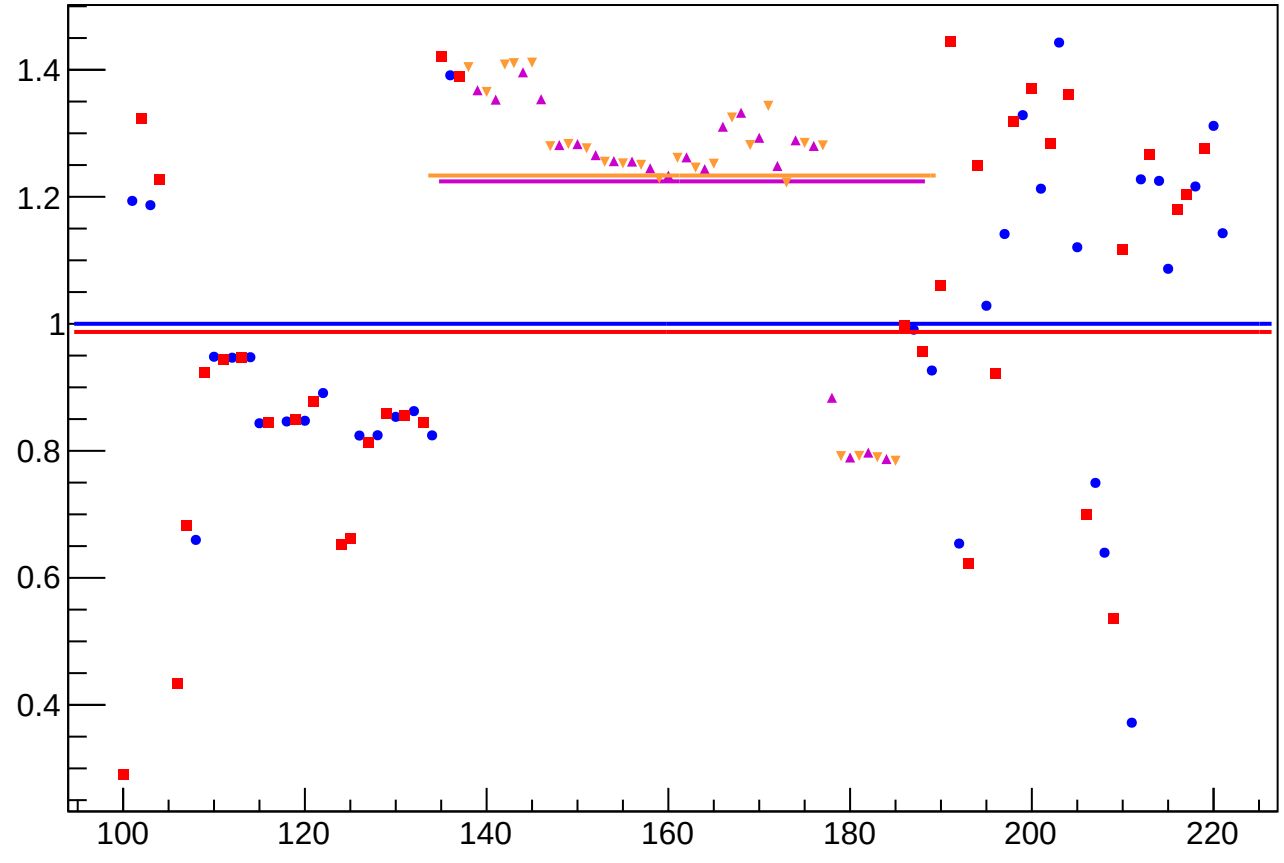
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 10374788.1/58

All: 0.015+/-0.000 χ^2/NDF: 21868850.4/118

- sign 0.015+/-0.000 χ^2/NDF: 11493533.4/59

yield_bpm11X_mean vs Slug



Right In: 1.000+/-0.000 χ^2/NDF: 2536490669.0/33

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.987+/-0.000 χ^2/NDF: 2701874246.4/36

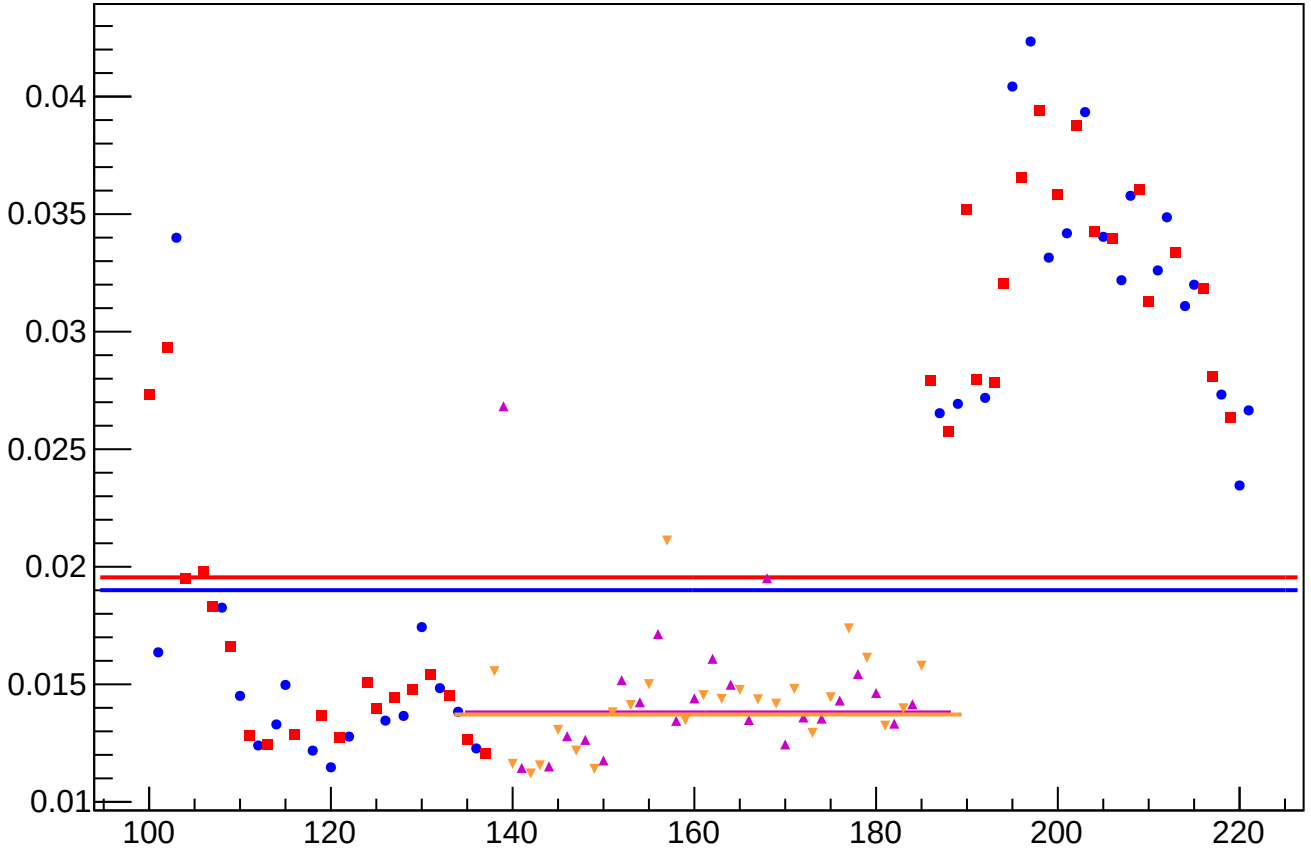
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.154+/-0.000 χ^2/NDF: 7252330724.4/58

All: 1.149+/-0.000 χ^2/NDF: 14235423879.3/1

- sign 1.144+/-0.000 χ^2/NDF: 6976457244.9/59

yield_bpm11X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 6916398.4/33

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.020+/-0.000 χ^2/NDF: 6214082.7/36

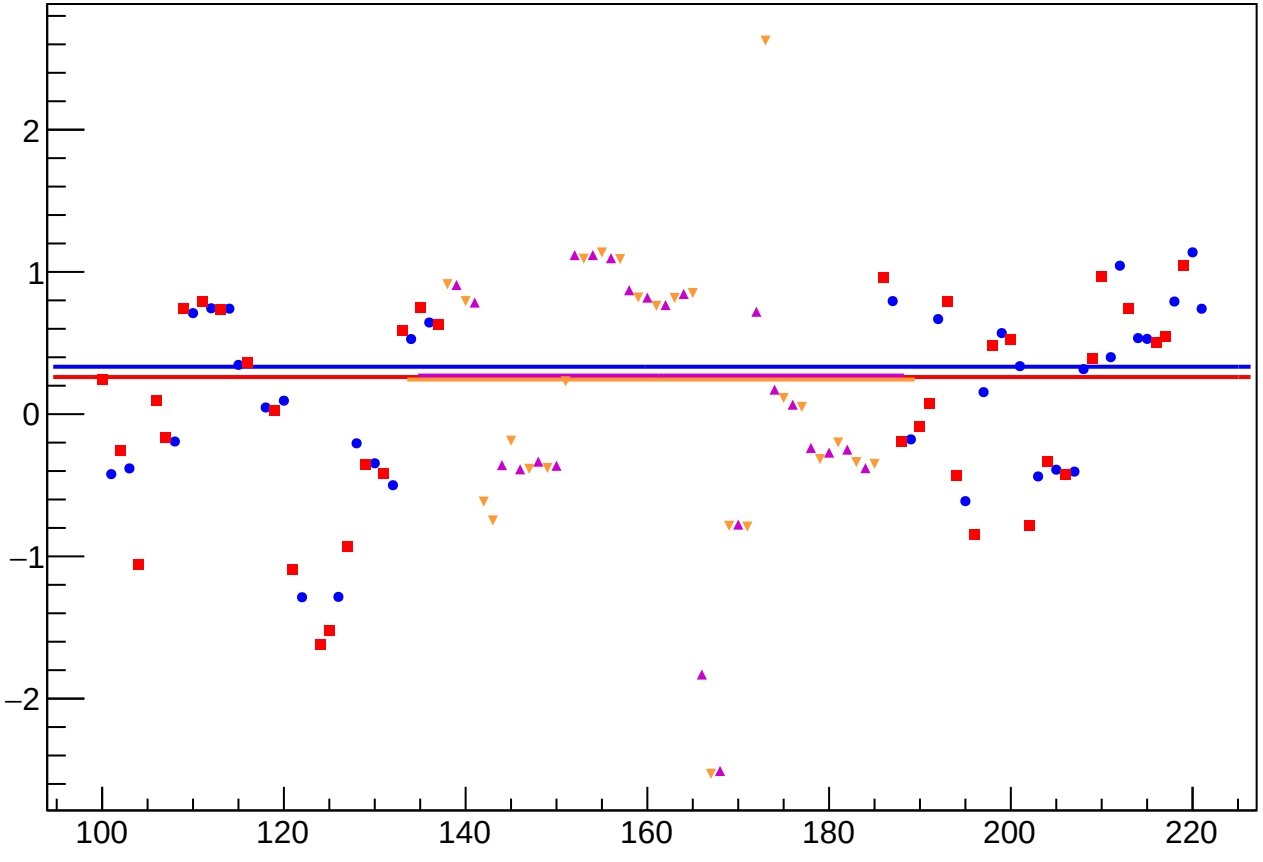
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.016+/-0.000 χ^2/NDF: 9182060.0/58

All: 0.016+/-0.000 χ^2/NDF: 18176714.9/118

- sign 0.016+/-0.000 χ^2/NDF: 8987543.3/59

yield_bpm11Y_mean vs Slug



Right In: 0.333+/-0.000 χ^2/NDF: 49663965469.8/33

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.261+/-0.000 χ^2/NDF: 57294639326.5/36

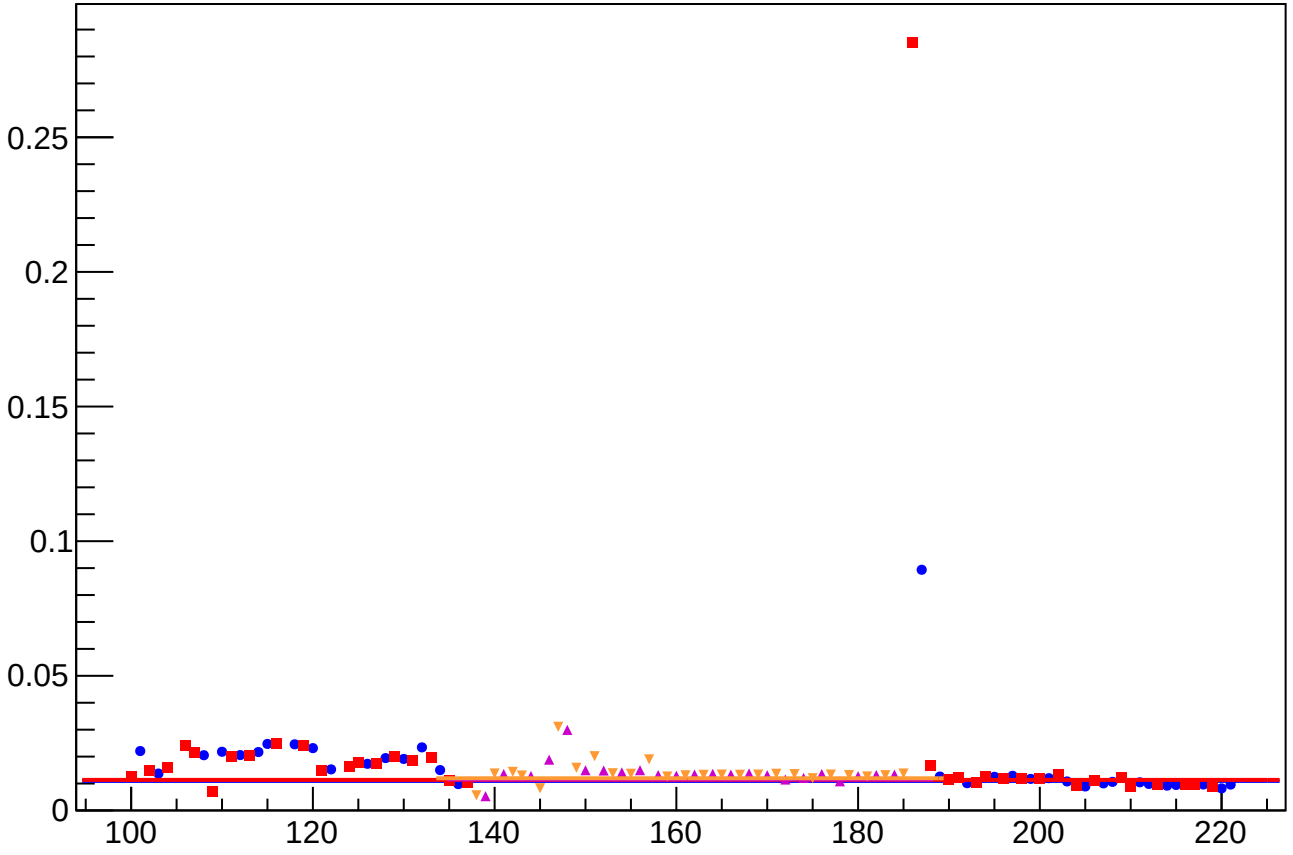
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.294+/-0.000 χ^2/NDF: 155794238999.5/58

All: 0.280+/-0.000 χ^2/NDF: 303700456706.9

- sign 0.266+/-0.000 χ^2/NDF: 147802278124.8/59

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 3158170.5/33

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

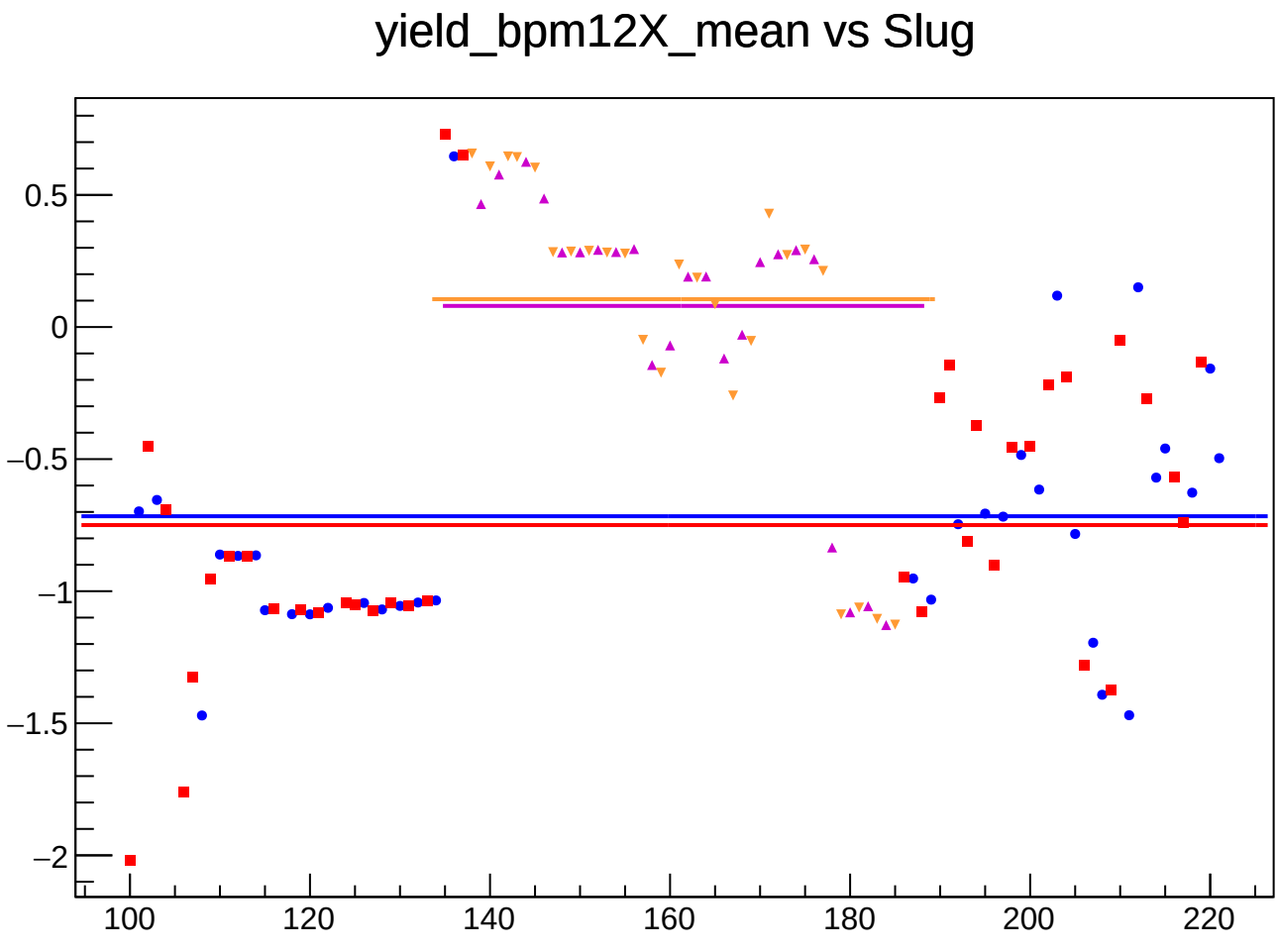
Right Out: 0.011+/-0.000 χ^2/NDF: 3507458.9/36

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.011+/-0.000 χ^2/NDF: 6549547.1/58

All: 0.011+/-0.000 χ^2/NDF: 13730592.2/118

- sign 0.011+/-0.000 χ^2/NDF: 7181006.9/59



Right In: -0.716+/-0.000 χ^2/NDF: 2490639492.9/33

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.750+/-0.000 χ^2/NDF: 2311037624.5/36

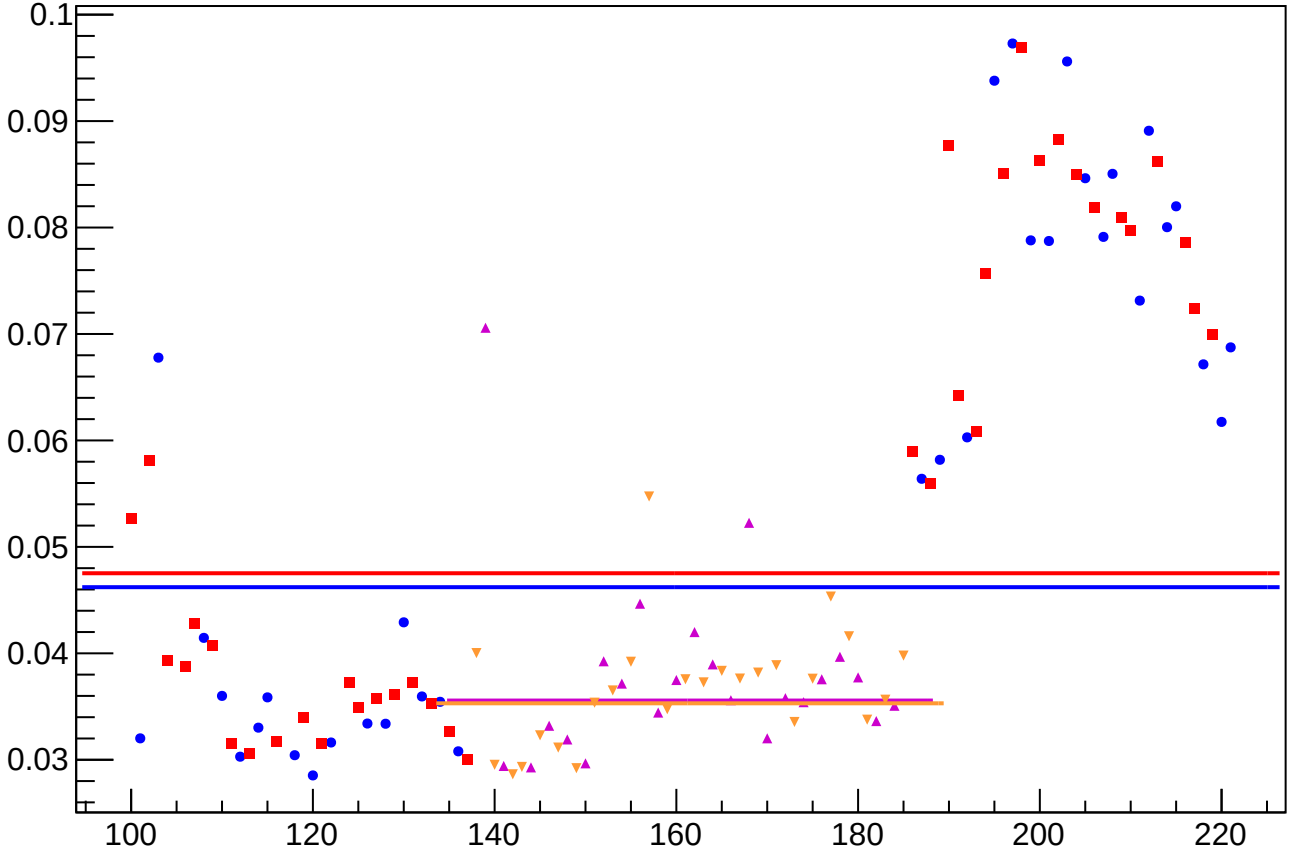
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.201+/-0.000 χ^2/NDF: 9671741463.2/58

All: -0.214+/-0.000 χ^2/NDF: 18506163043.6/

- sign -0.228+/-0.000 χ^2/NDF: 8826953048.9/59

yield_bpm12X_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF: 6787521.5/33

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

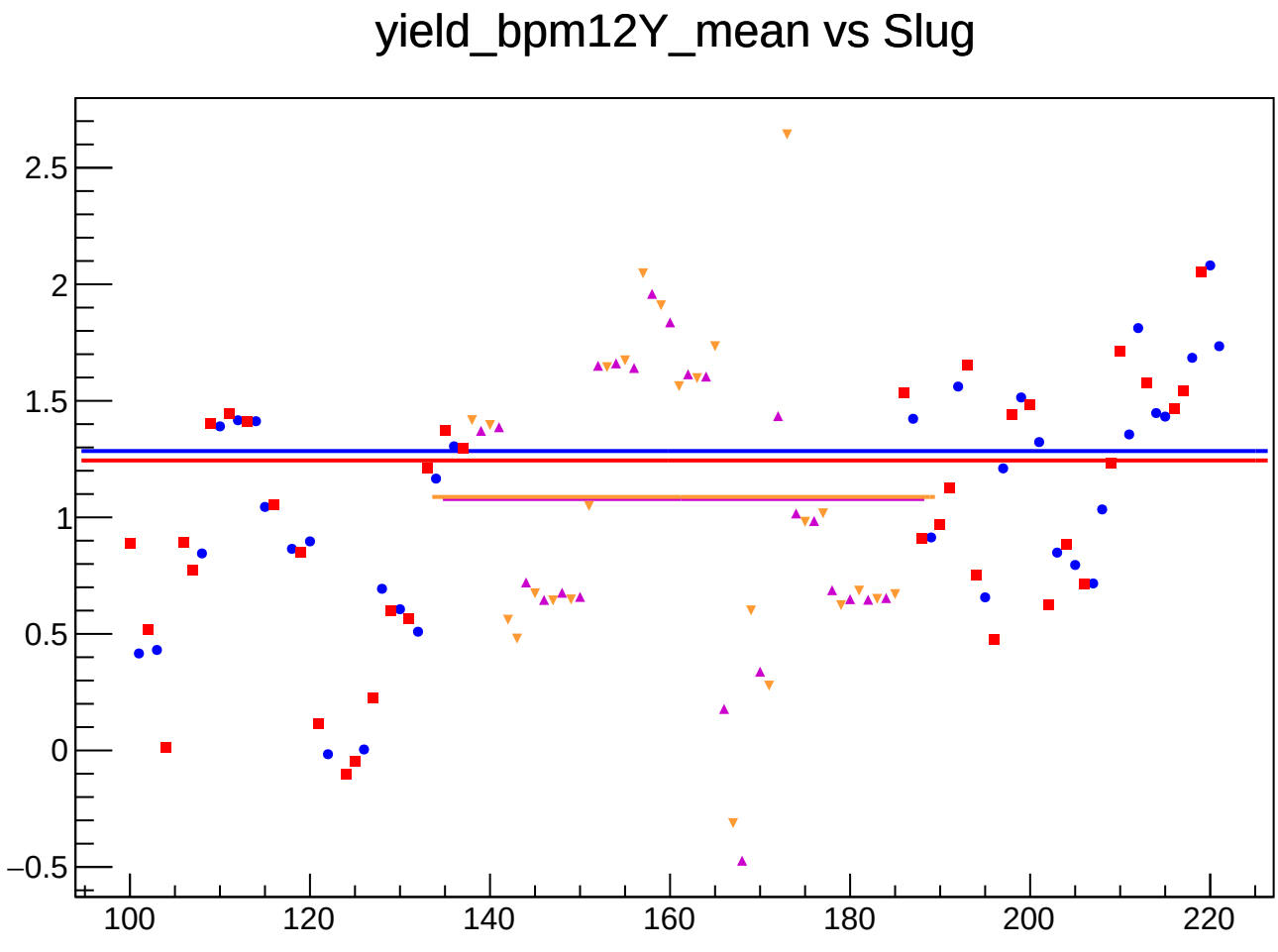
Right Out: 0.048+/-0.000 χ^2/NDF: 5872152.5/36

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.039+/-0.000 χ^2/NDF: 8597102.5/58

All: 0.040+/-0.000 χ^2/NDF: 16786881.2/118

- sign 0.040+/-0.000 χ^2/NDF: 8181577.3/59



Right In: 1.285+/-0.000 χ^2/NDF: 88929627855.2/33

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.244+/-0.000 χ^2/NDF: 85412976114.7/36

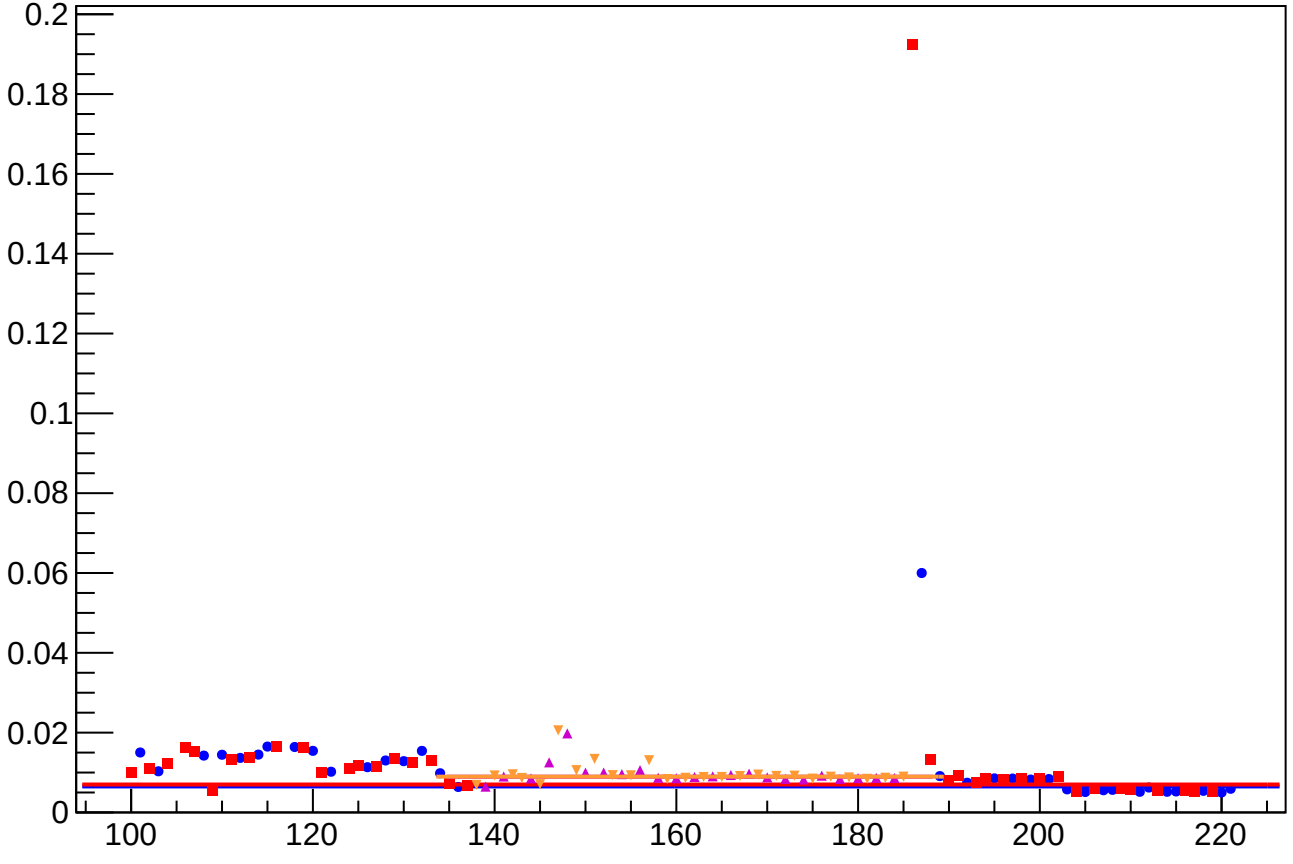
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.217+/-0.000 χ^2/NDF: 188500064370.2/58

All: 1.201+/-0.000 χ^2/NDF: 351996809979.4

- sign 1.182+/-0.000 χ^2/NDF: 163130553593.9/59

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4468618.8/33

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4758909.9/36

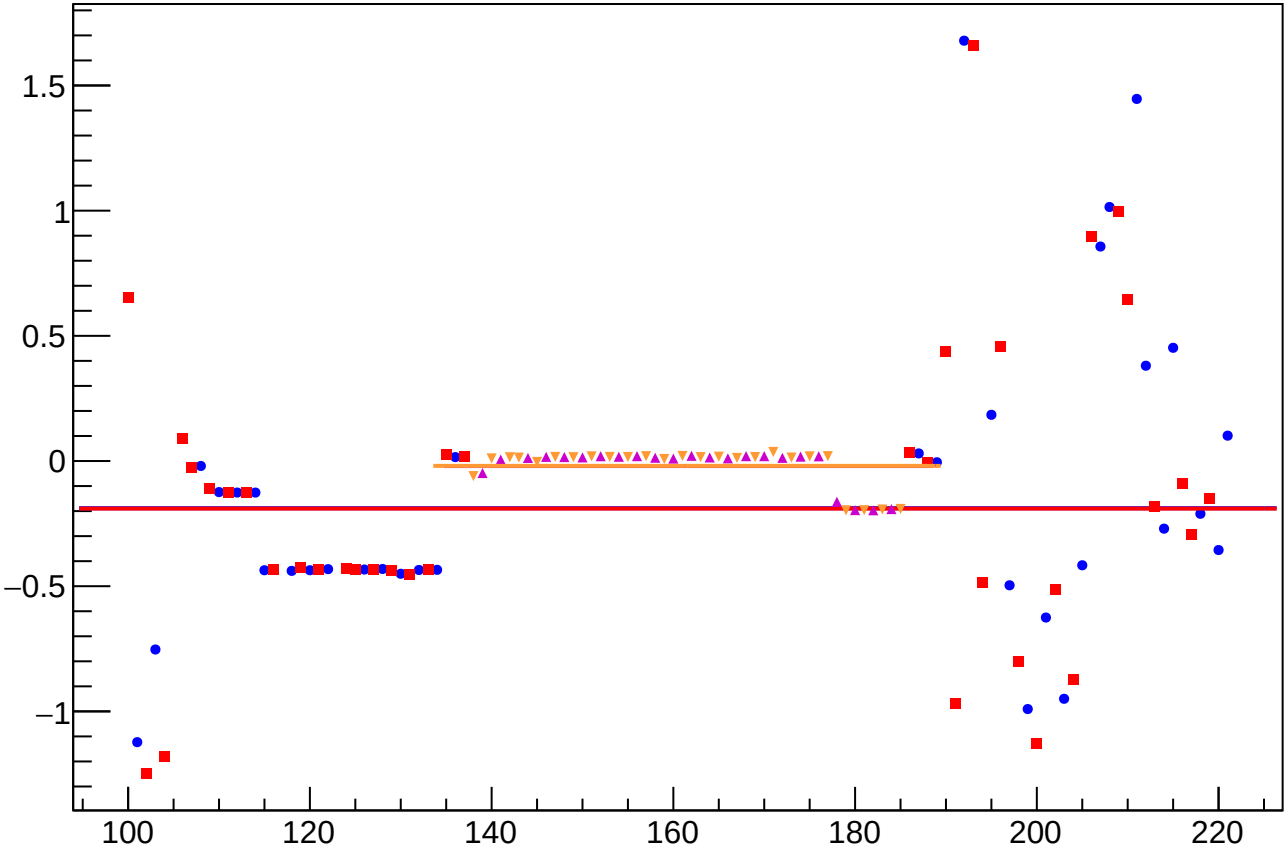
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 7392444.7/58

All: 0.008+/-0.000 χ^2/NDF: 14207089.5/118

- sign 0.008+/-0.000 χ^2/NDF: 6732339.9/59

yield_bpm16X_mean vs Slug



Right In: -0.188+/-0.000 χ^2/NDF: 6269177800.5/33

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4555627292.3/36

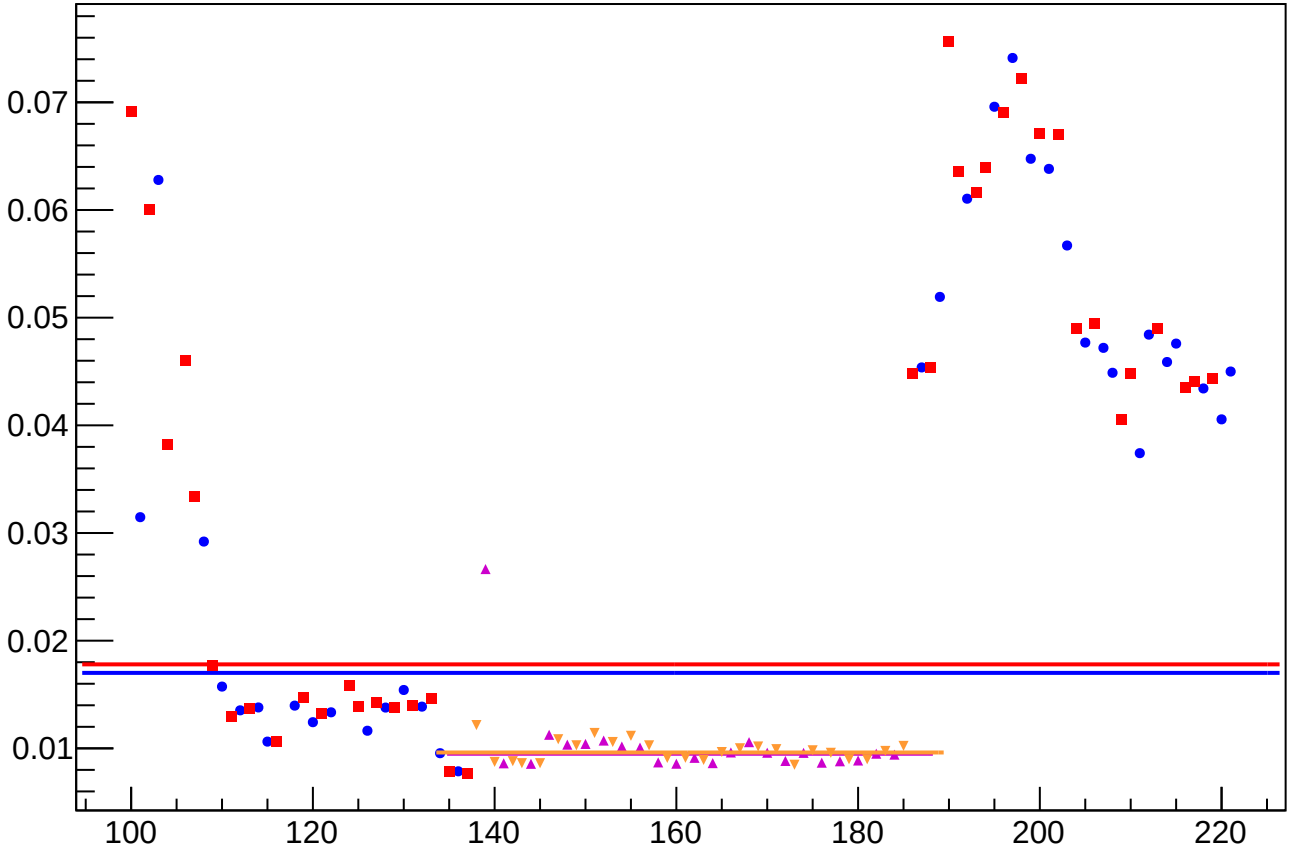
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.051+/-0.000 χ^2/NDF: 8286649656.3/58

All: -0.051+/-0.000 χ^2/NDF: 14699845506.7/

- sign -0.051+/-0.000 χ^2/NDF: 6413135770.7/59

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 16406544.5/33

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 15790259.3/36

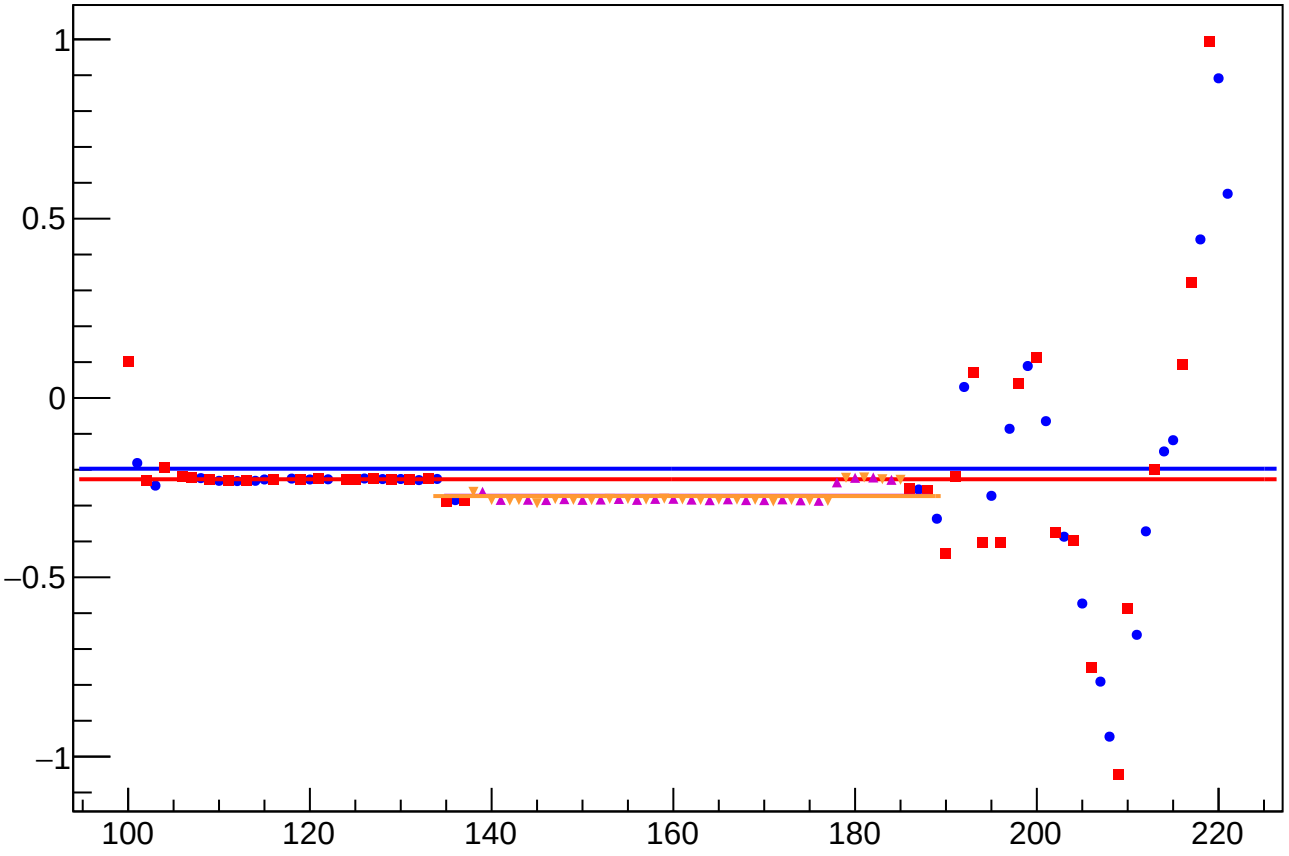
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 20341348.5/58

All: 0.011+/-0.000 χ^2/NDF: 41201467.9/118

- sign 0.011+/-0.000 χ^2/NDF: 20859966.2/59

yield_bpm16Y_mean vs Slug



Right In: -0.197+/-0.000 χ^2/NDF: 63554022851.5/33

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.227+/-0.000 χ^2/NDF: 54052880309.0/36

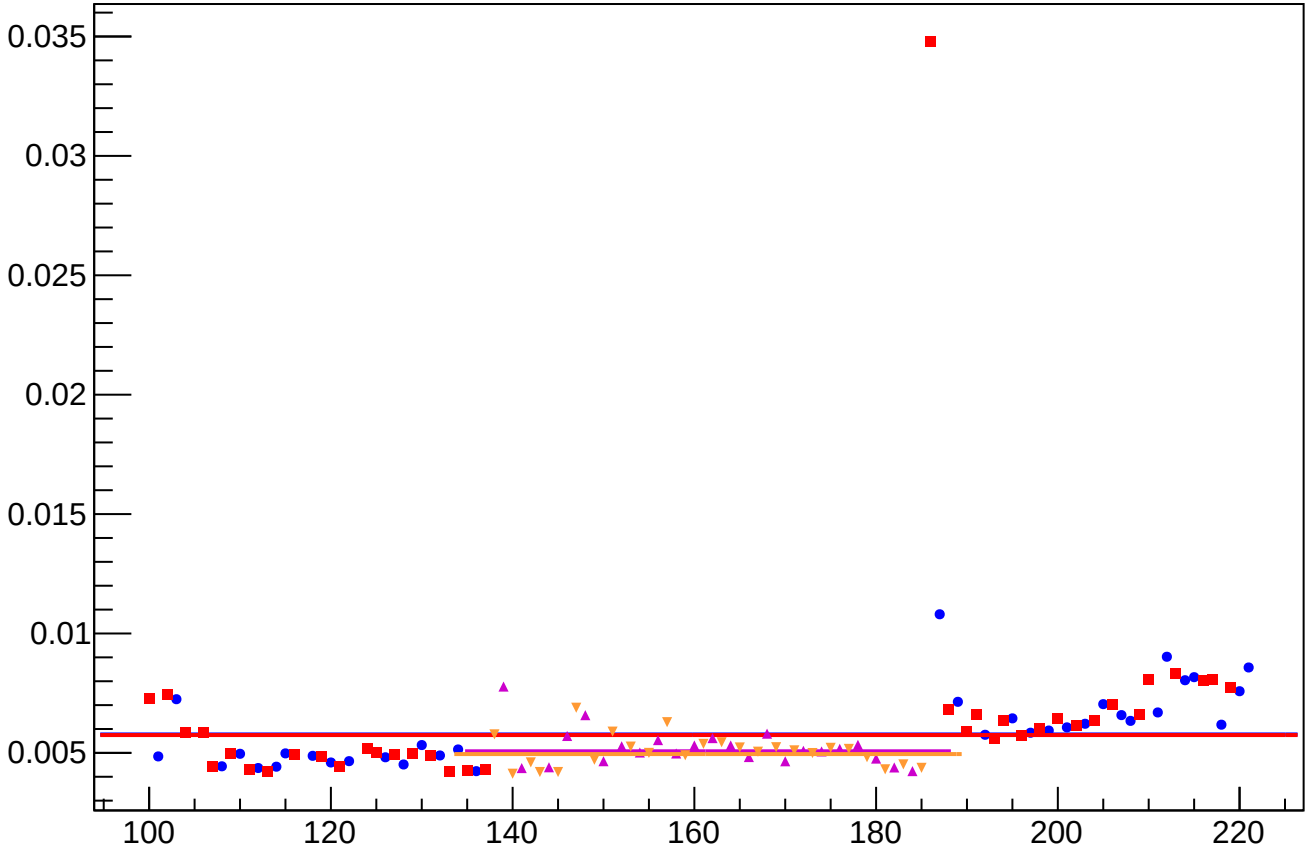
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.240+/-0.000 χ^2/NDF: 65857504683.9/58

All: -0.245+/-0.000 χ^2/NDF: 120989132043.3

- sign -0.251+/-0.000 χ^2/NDF: 55044635053.3/59

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1835849.0/33

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

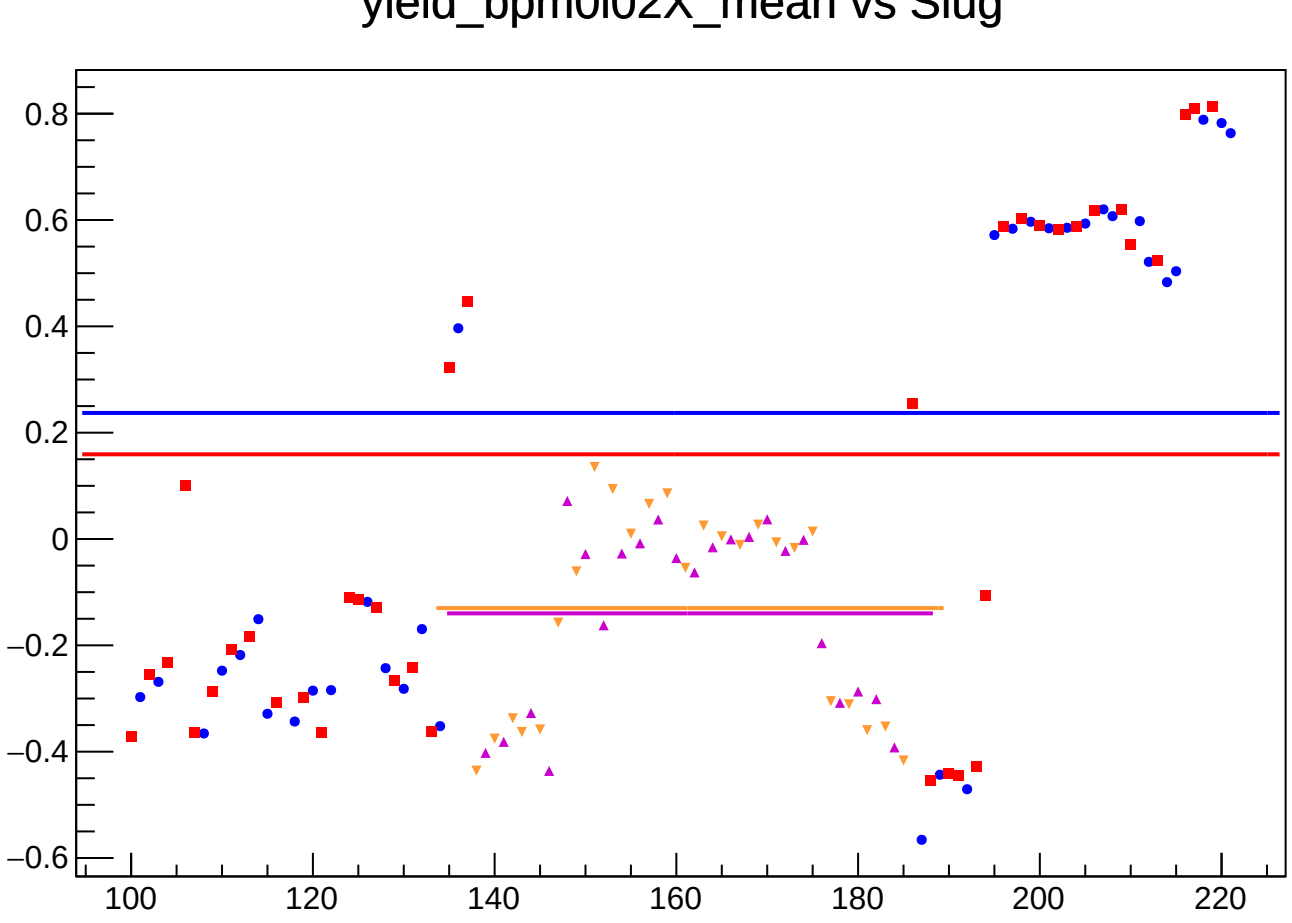
Right Out: 0.006+/-0.000 χ^2/NDF: 2211718.9/36

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 2807071.7/58

All: 0.005+/-0.000 χ^2/NDF: 5850856.4/118

- sign 0.005+/-0.000 χ^2/NDF: 3037974.5/59



Right In: 0.237+/-0.000 χ^2/NDF: 88652561949.0/33

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.159+/-0.000 χ^2/NDF: 90892088011.1/36

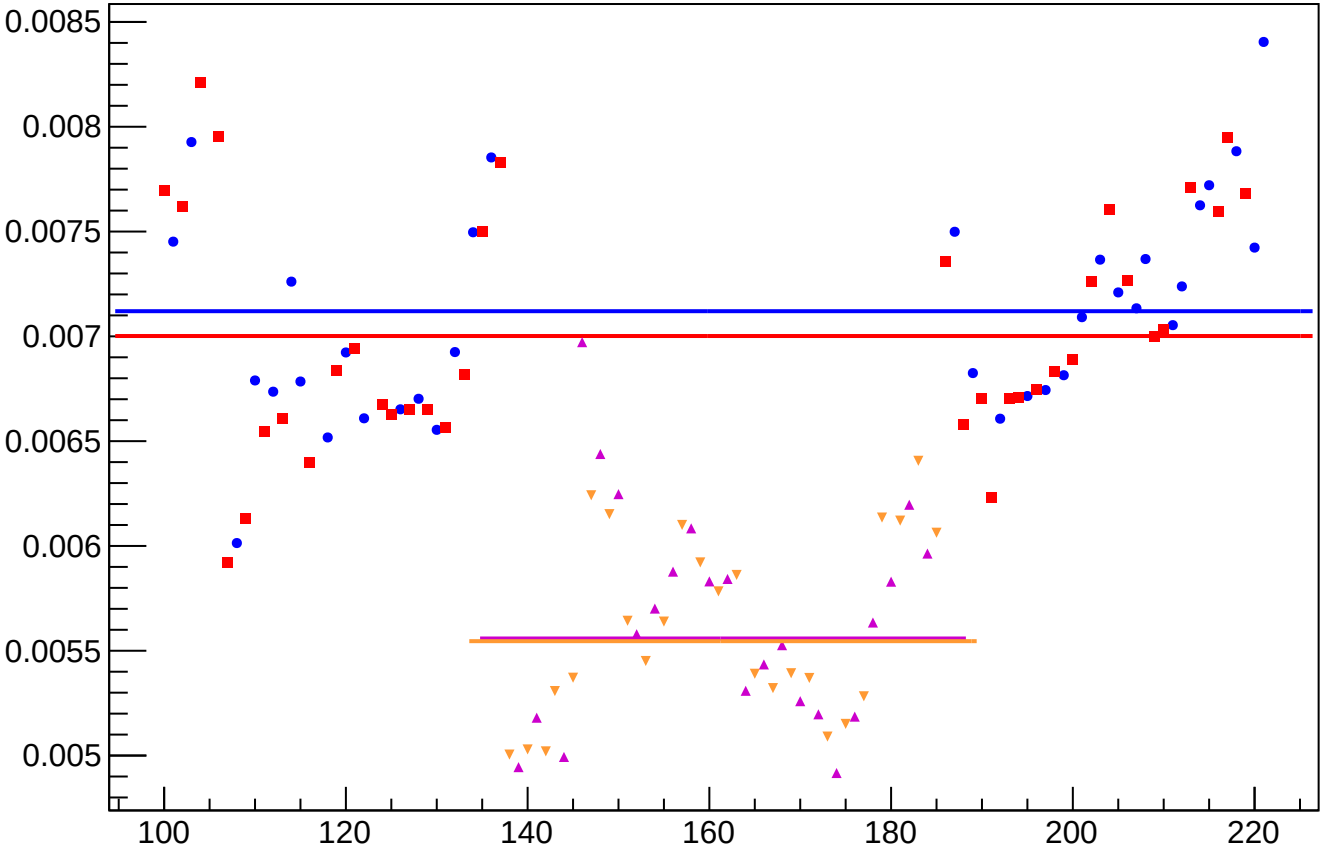
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign 0.023+/-0.000 χ^2/NDF: 143633471912.6/58

All: 0.007+/-0.000 χ^2/NDF: 271927089807.6

- sign -0.010+/-0.000 χ^2/NDF: 127742685761.5/59

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 212962.3/33

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 214292.9/36

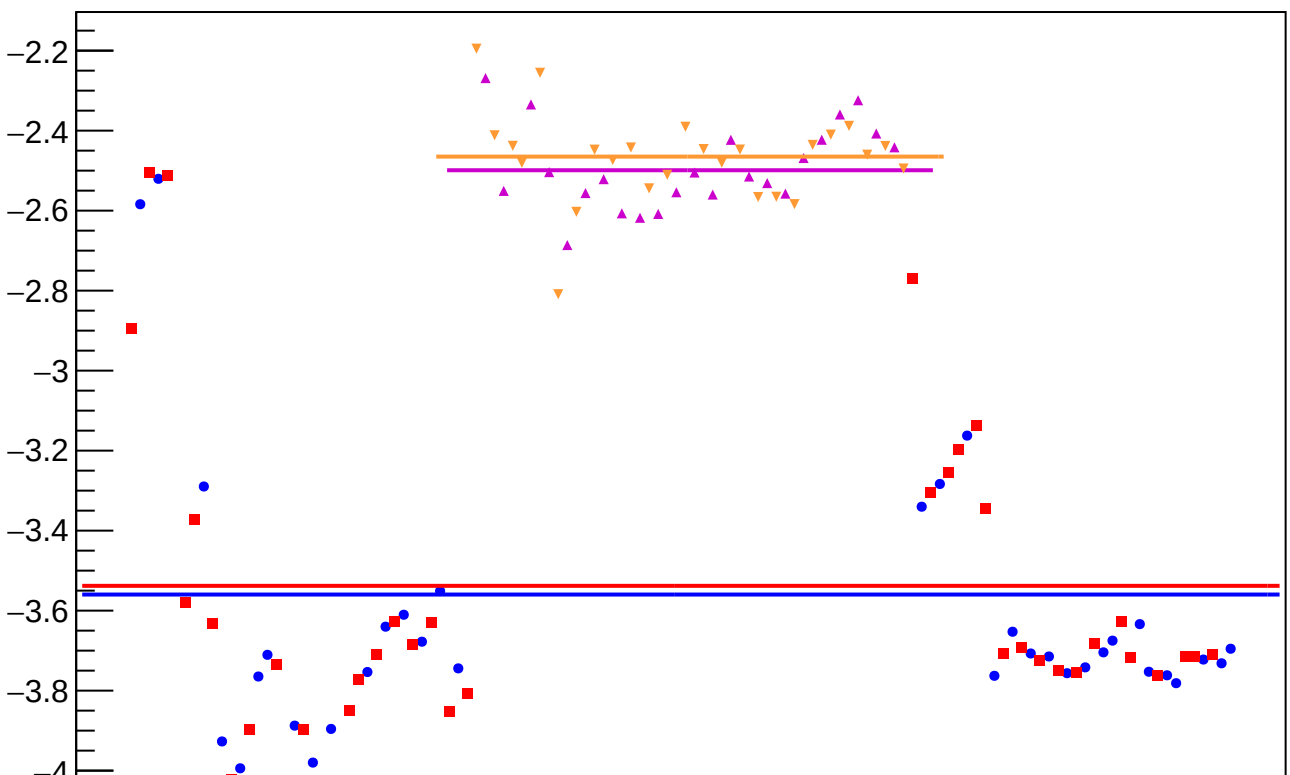
Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1646783.8/58

All: 0.006+/-0.000 χ^2/NDF: 3132079.3/118

- sign 0.006+/-0.000 χ^2/NDF: 1484993.1/59

yield_bpm0i02Y_mean vs Slug



Right In: -3.560+/-0.000 χ^2/NDF: 34084894611.5/33

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.538+/-0.000 χ^2/NDF: 35680524386.2/36

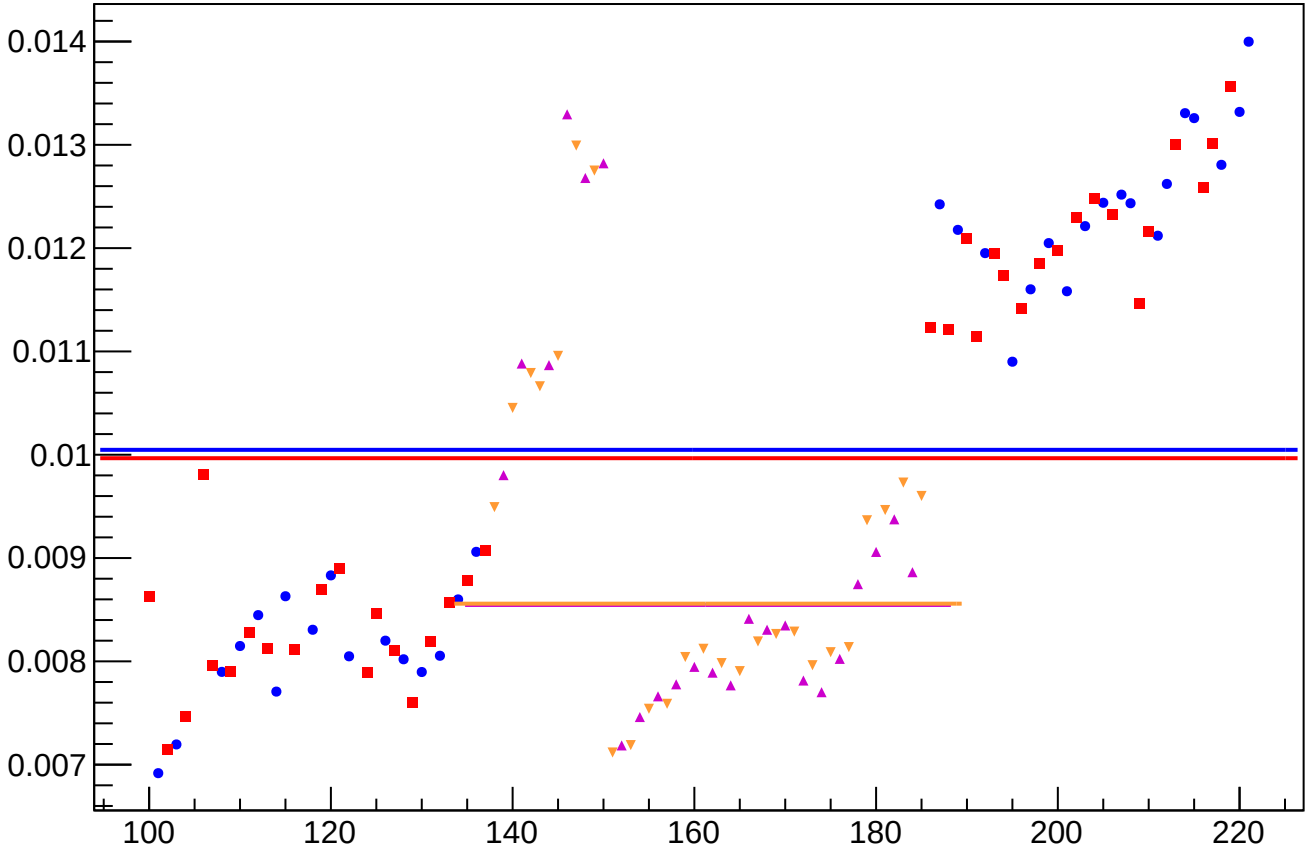
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.960+/-0.000 χ^2/NDF: 170074806604.7/58

All: -2.970+/-0.000 χ^2/NDF: 325307651690.5

- sign -2.981+/-0.000 χ^2/NDF: 155136100273.3/59

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2116303.1/33

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1735510.5/36

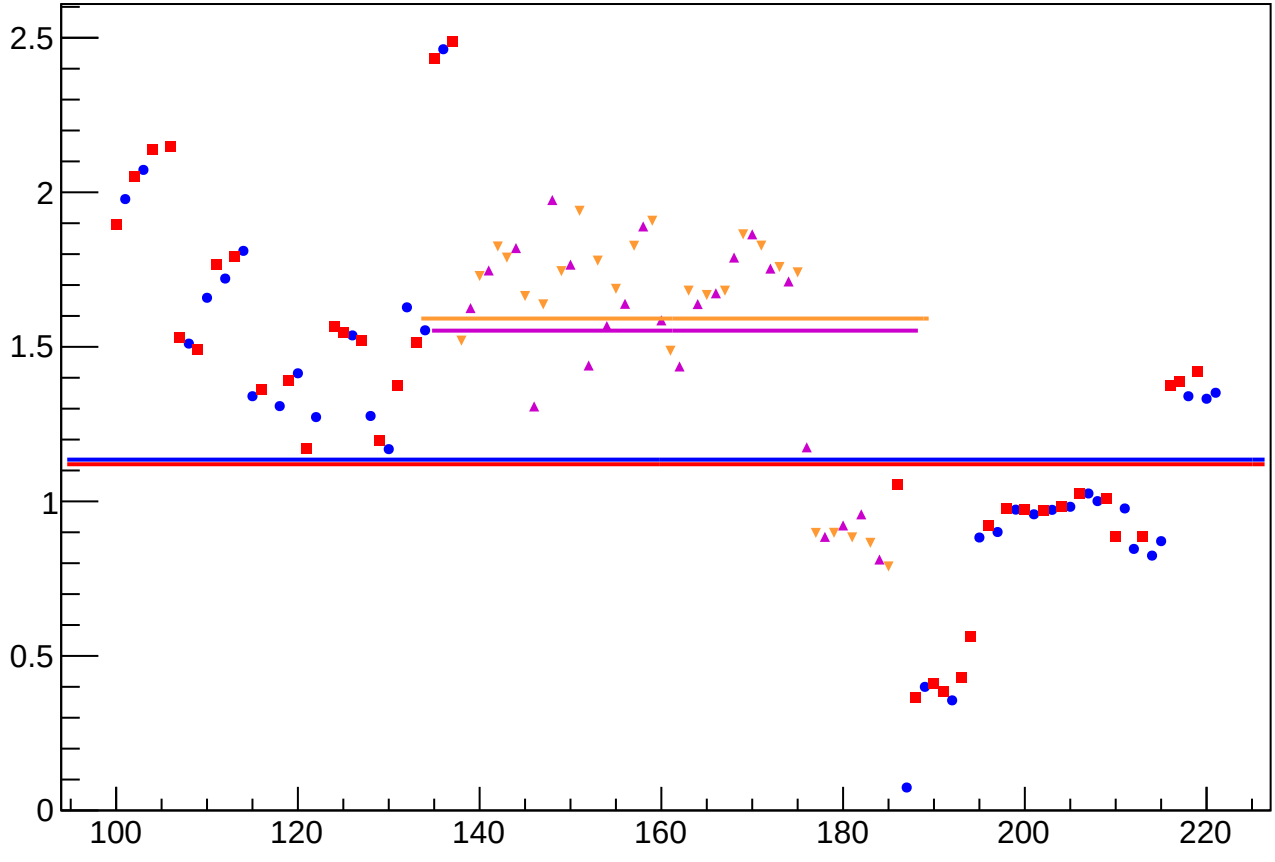
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3435512.0/58

All: 0.009+/-0.000 χ^2/NDF: 6520194.7/118

- sign 0.009+/-0.000 χ^2/NDF: 3084360.1/59

yield_bpm0i02aX_mean vs Slug



Right In: 1.135+/-0.000 χ^2/NDF: 31301648950.6/33

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.120+/-0.000 χ^2/NDF: 35889972774.5/36

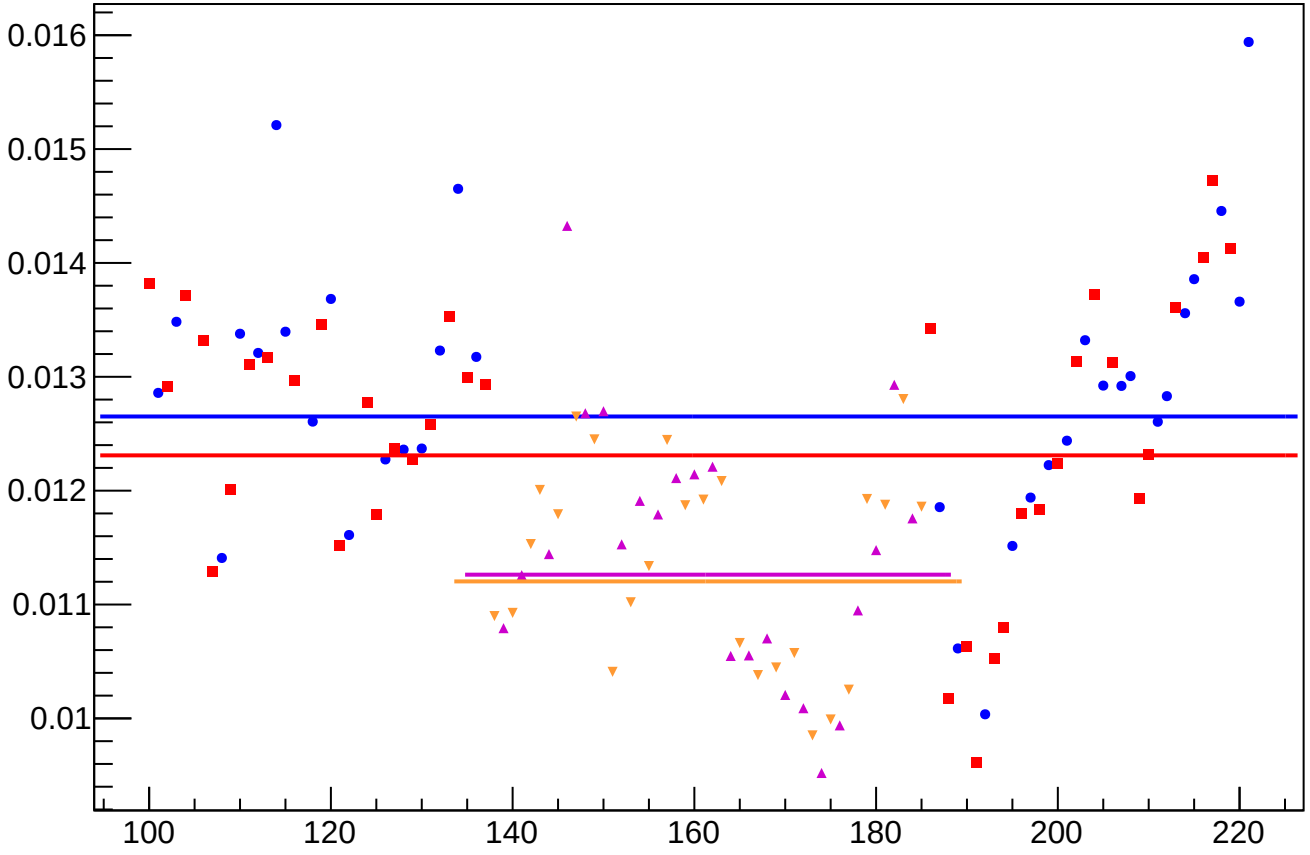
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.374+/-0.000 χ^2/NDF: 62954865388.2/58

All: 1.356+/-0.000 χ^2/NDF: 125883101741.1

- sign 1.336+/-0.000 χ^2/NDF: 62724182732.6/59

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 397598.3/33

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 431506.5/36

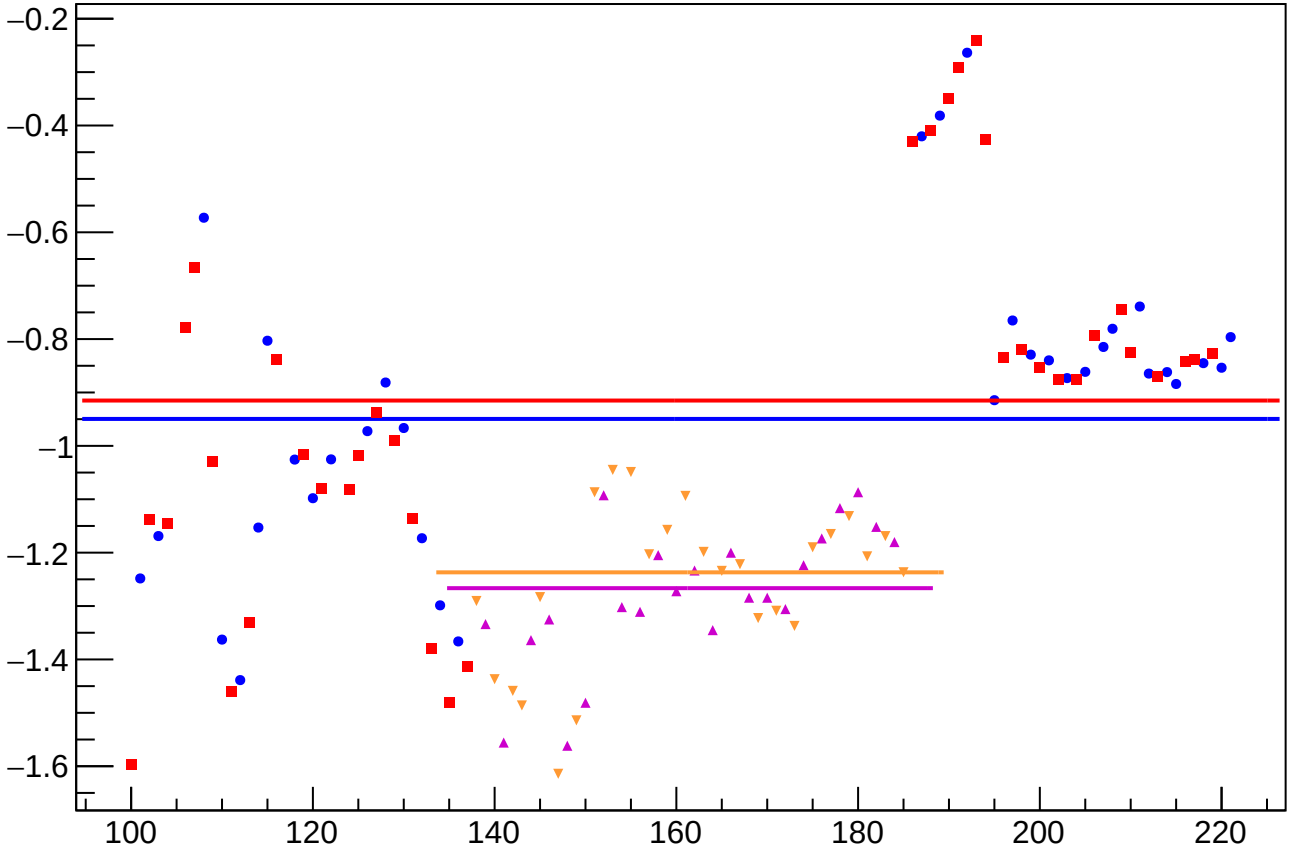
Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 914650.6/58

All: 0.012+/-0.000 χ^2/NDF: 1810988.0/118

- sign 0.012+/-0.000 χ^2/NDF: 893259.9/59

yield_bpm0i02aY_mean vs Slug



Right In: -0.950+/-0.000 χ^2/NDF: 12721598060.5/33

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.915+/-0.000 χ^2/NDF: 17061950381.9/36

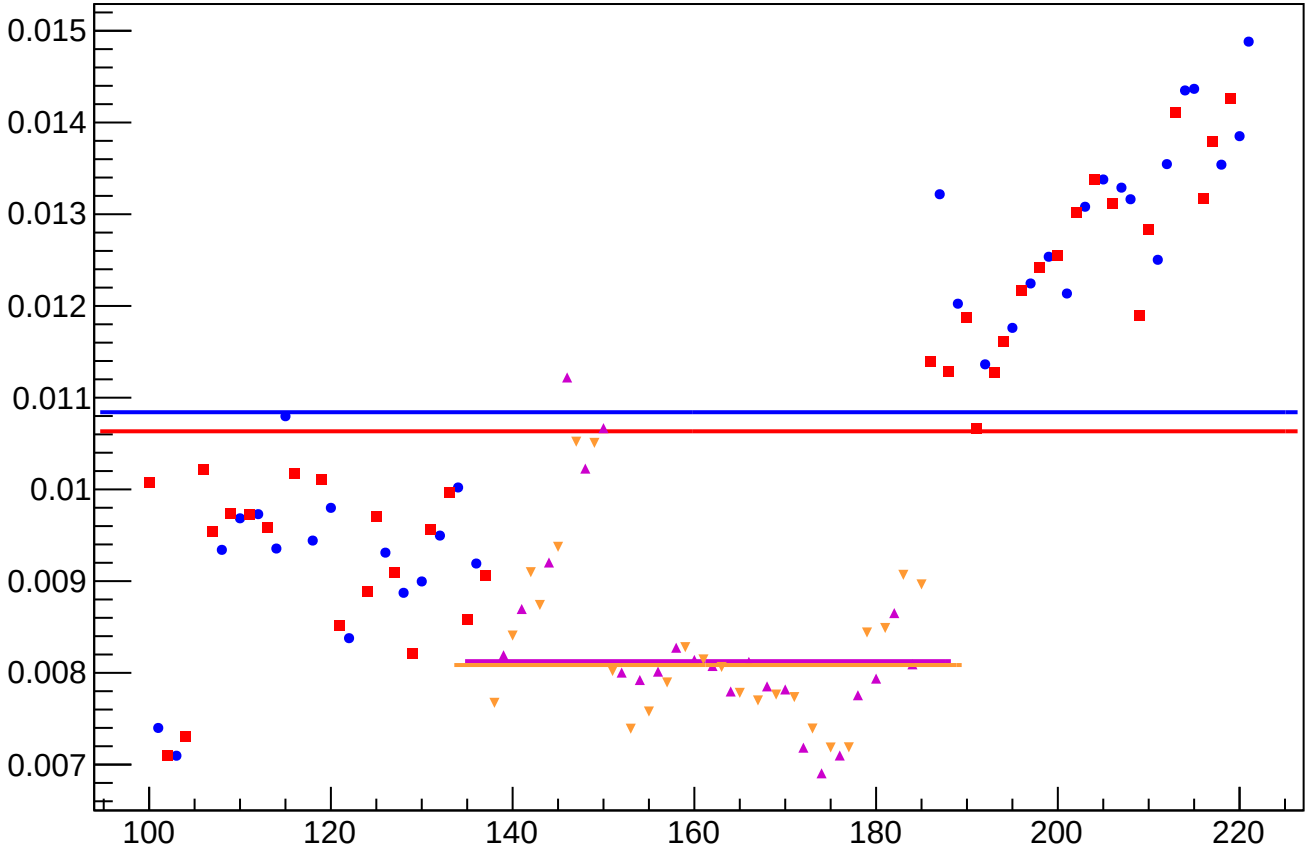
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.126+/-0.000 χ^2/NDF: 26528521235.5/58

All: -1.125+/-0.000 χ^2/NDF: 60256677283.2/

- sign -1.124+/-0.000 χ^2/NDF: 33727476032.5/59

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1860245.1/33

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

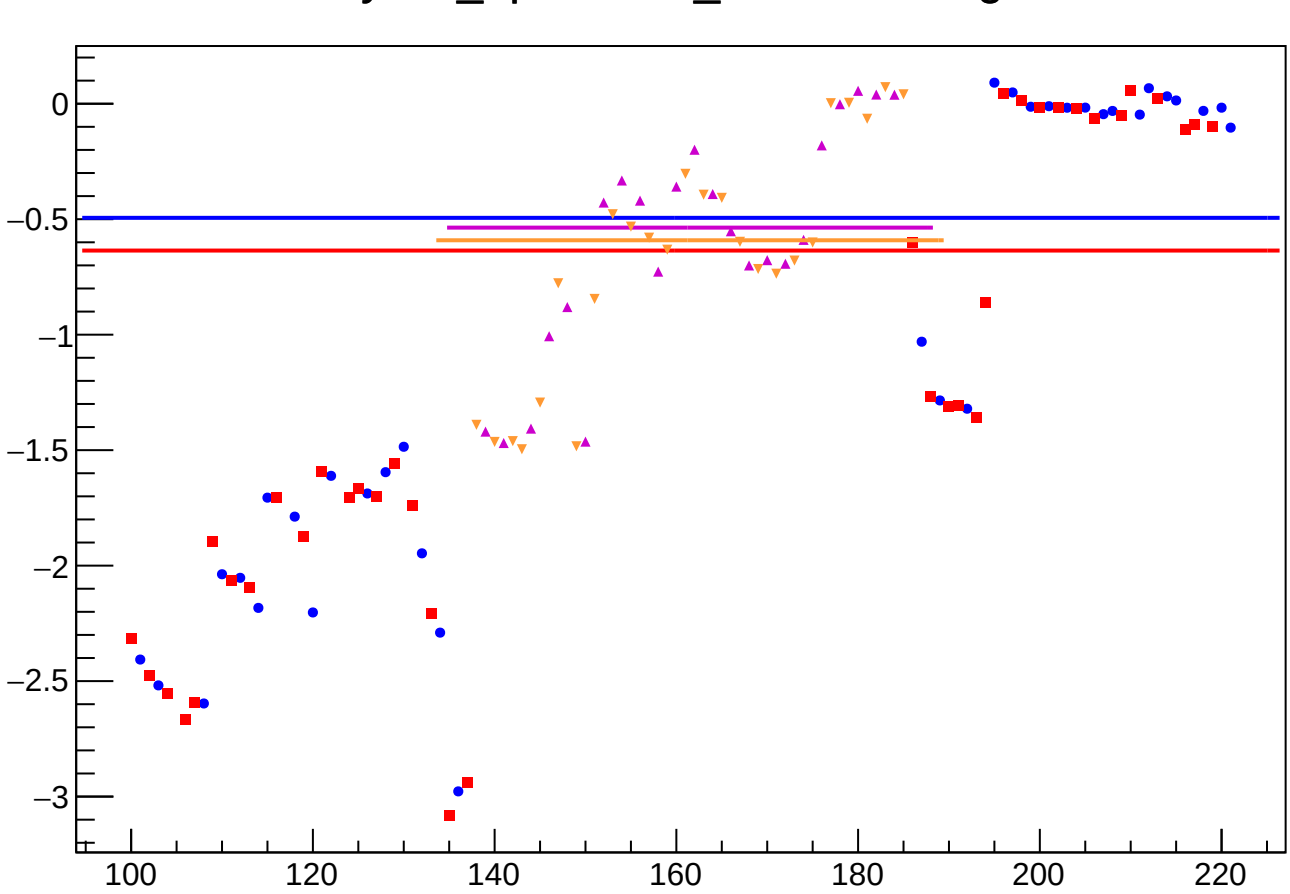
Right Out: 0.011+/-0.000 χ^2/NDF: 1563494.7/36

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 3813021.7/58

All: 0.009+/-0.000 χ^2/NDF: 7106737.8/118

- sign 0.009+/-0.000 χ^2/NDF: 3293690.3/59



Right In: -0.494+/-0.000 χ^2/NDF: 429276237721.1/33

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.636+/-0.000 χ^2/NDF: 447971516618.1/36

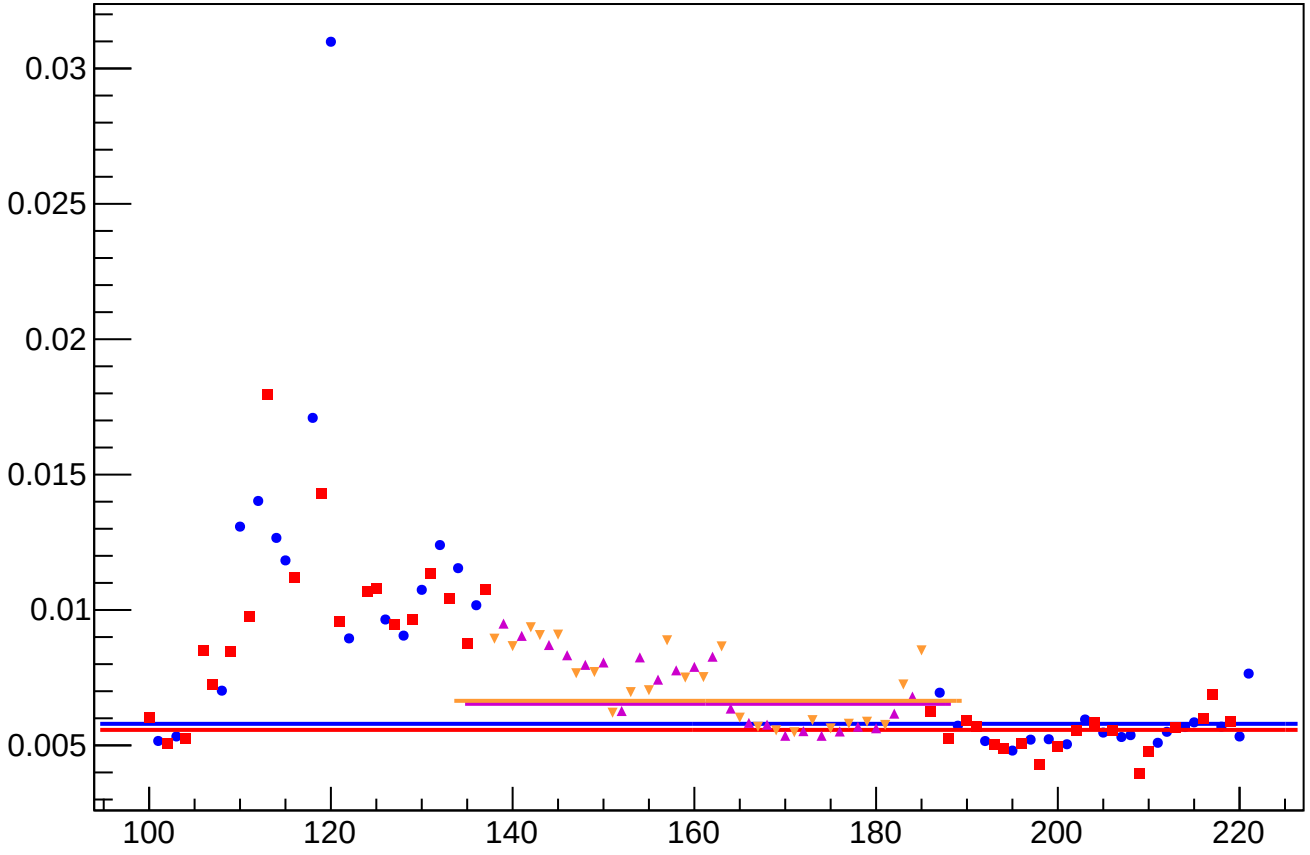
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.534+/-0.000 χ^2/NDF: 504063138888.0/58

All: -0.566+/-0.000 χ^2/NDF: 1026254231756

- sign -0.597+/-0.000 χ^2/NDF: 520359309718.5/59

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2654083.3/33

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

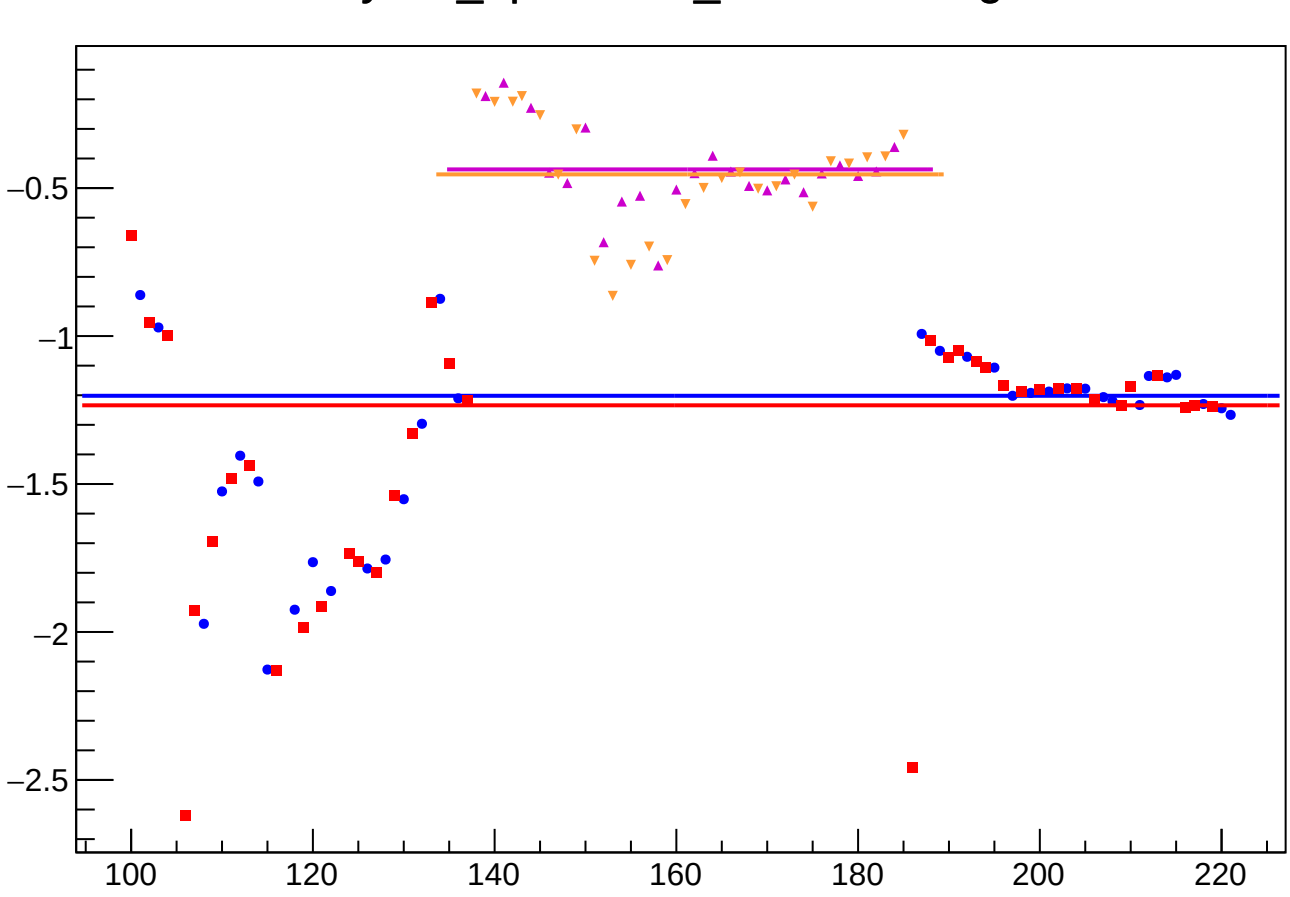
Right Out: 0.006+/-0.000 χ^2/NDF: 2750209.0/36

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 4068400.2/58

All: 0.006+/-0.000 χ^2/NDF: 8422916.7/118

- sign 0.006+/-0.000 χ^2/NDF: 4319263.3/59



Right In: -1.202+/-0.000 χ^2/NDF: 27870790539.7/33

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72816662258.6/36

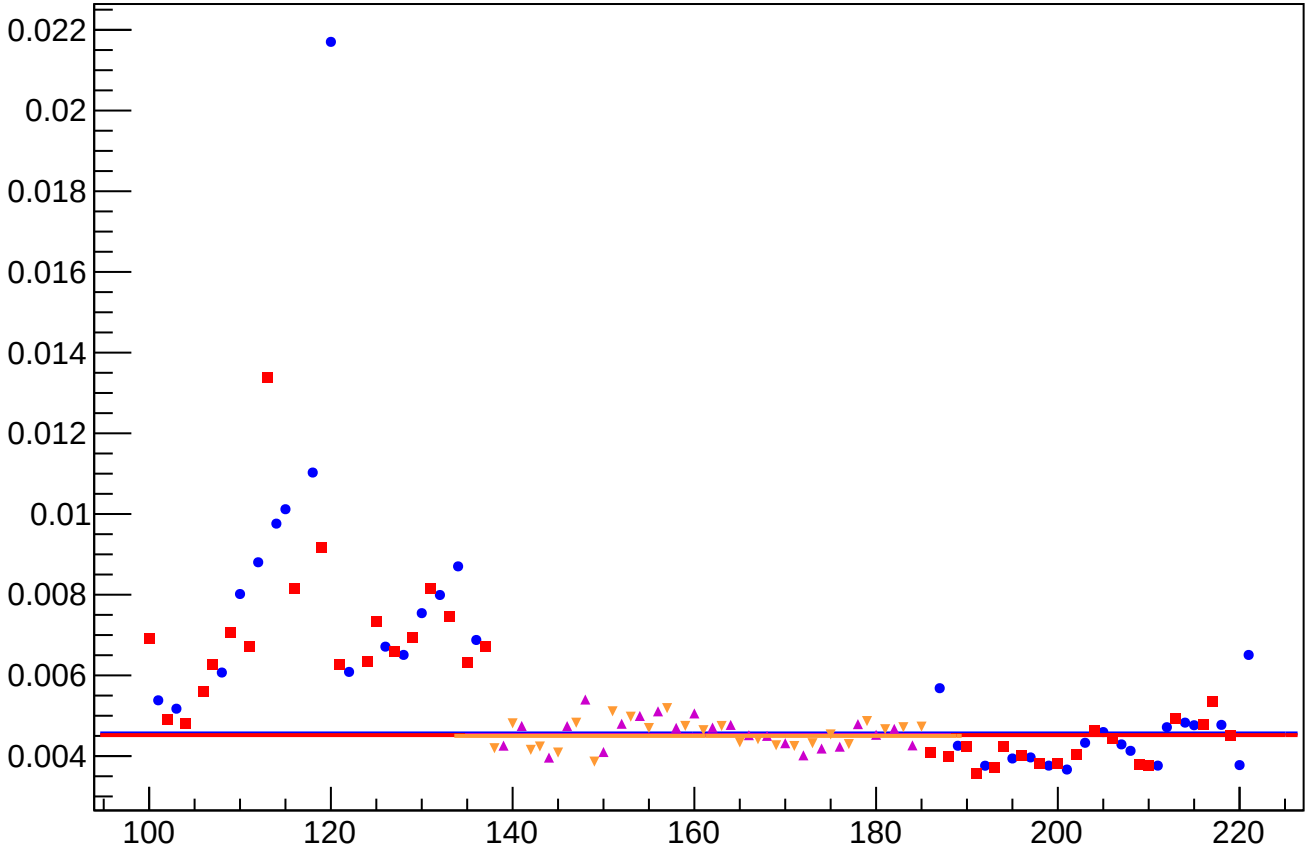
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.829+/-0.000 χ^2/NDF: 301402951335.3/58

All: -0.841+/-0.000 χ^2/NDF: 661194901202.4

- sign -0.852+/-0.000 χ^2/NDF: 359329868715.3/59

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2465016.0/33

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

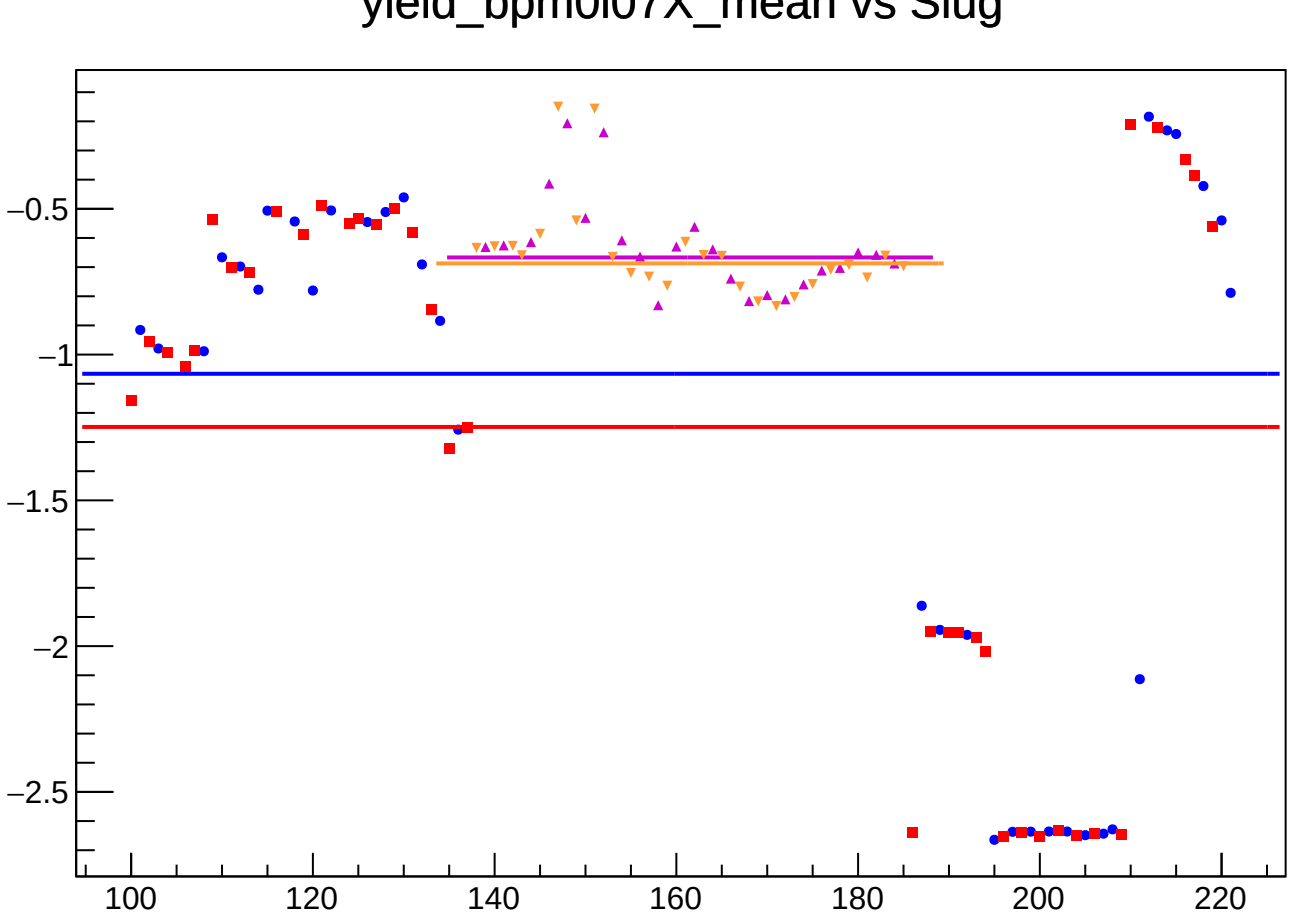
Right Out: 0.005+/-0.000 χ^2/NDF: 2025589.5/36

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2657376.9/58

All: 0.005+/-0.000 χ^2/NDF: 4895220.7/118

- sign 0.005+/-0.000 χ^2/NDF: 2237646.3/59



Right In: -1.066+/-0.000 χ^2/NDF: 647313348737.0/33

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.248+/-0.000 χ^2/NDF: 767970838031.8/36

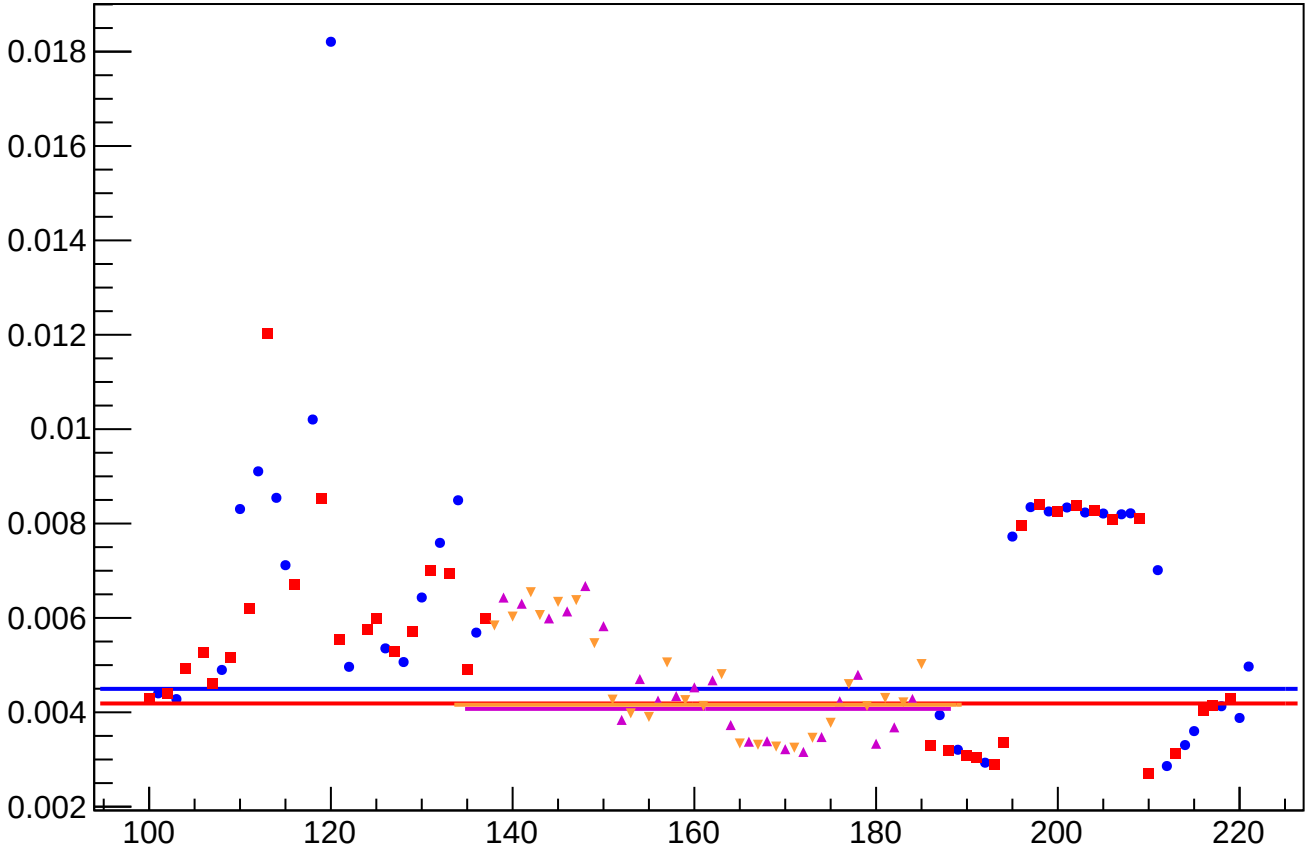
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.867+/-0.000 χ^2/NDF: 735244807460.5/58

All: -0.915+/-0.000 χ^2/NDF: 1697291808027

- sign -0.962+/-0.000 χ^2/NDF: 953560143139.4/59

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5928365.4/33

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5568237.2/36

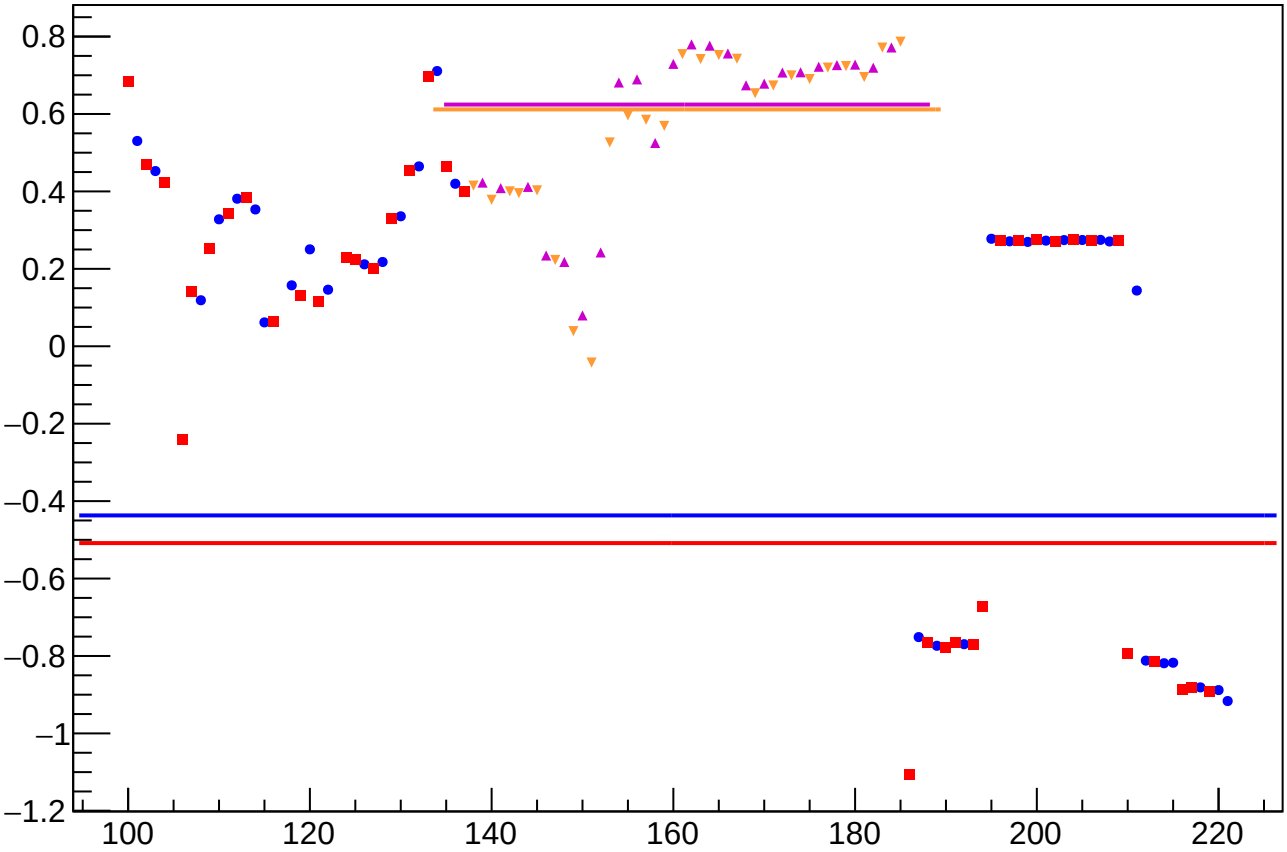
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 7551783.7/58

All: 0.004+/-0.000 χ^2/NDF: 14950099.8/118

- sign 0.004+/-0.000 χ^2/NDF: 7331189.5/59

yield_bpm0i07Y_mean vs Slug



Right In: -0.437+/-0.000 χ^2/NDF: 627622792401.1/33

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.508+/-0.000 χ^2/NDF: 665363346548.6/36

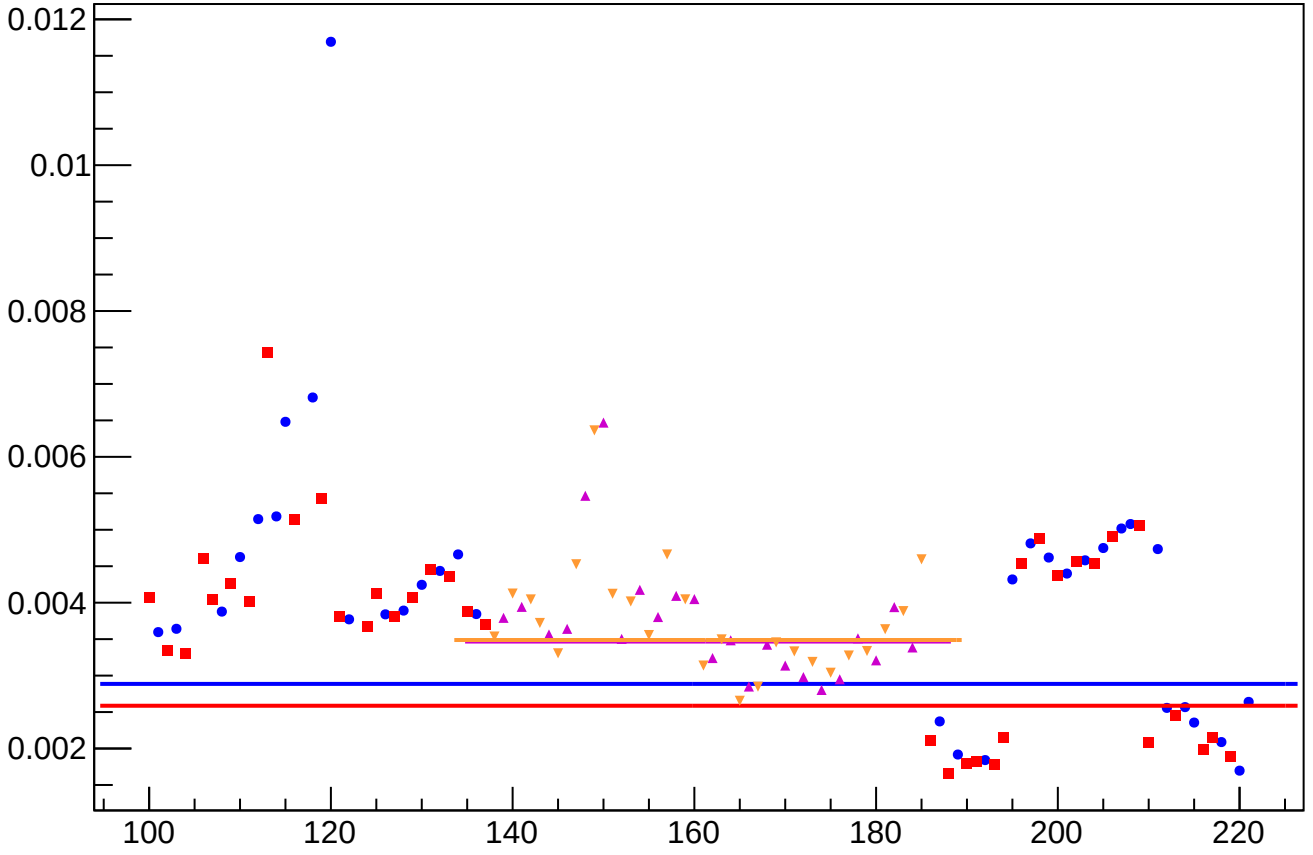
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign -0.028+/-0.000 χ^2/NDF: 1558398109303.9/5

All: -0.081+/-0.000 χ^2/NDF: 3361621149531

- sign -0.128+/-0.000 χ^2/NDF: 1785425137441.4/5

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5819391.1/33

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

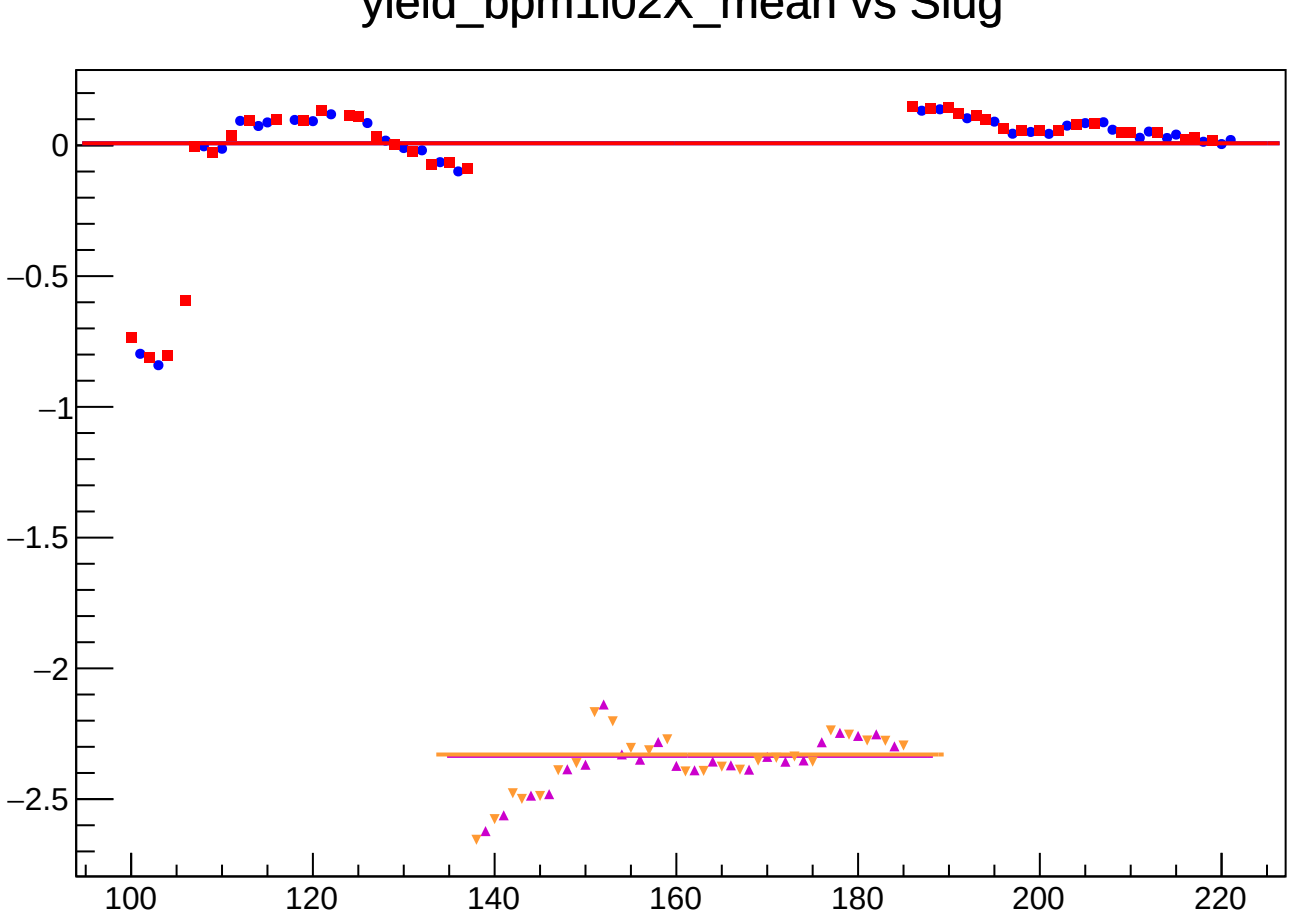
Right Out: 0.003+/-0.000 χ^2/NDF: 5961545.7/36

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 7253127.6/58

All: 0.003+/-0.000 χ^2/NDF: 15615985.2/118

- sign 0.003+/-0.000 χ^2/NDF: 8159763.2/59



Right In: 0.008+/-0.000 χ^2/NDF: 6577803984.8/33

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7841646323.4/36

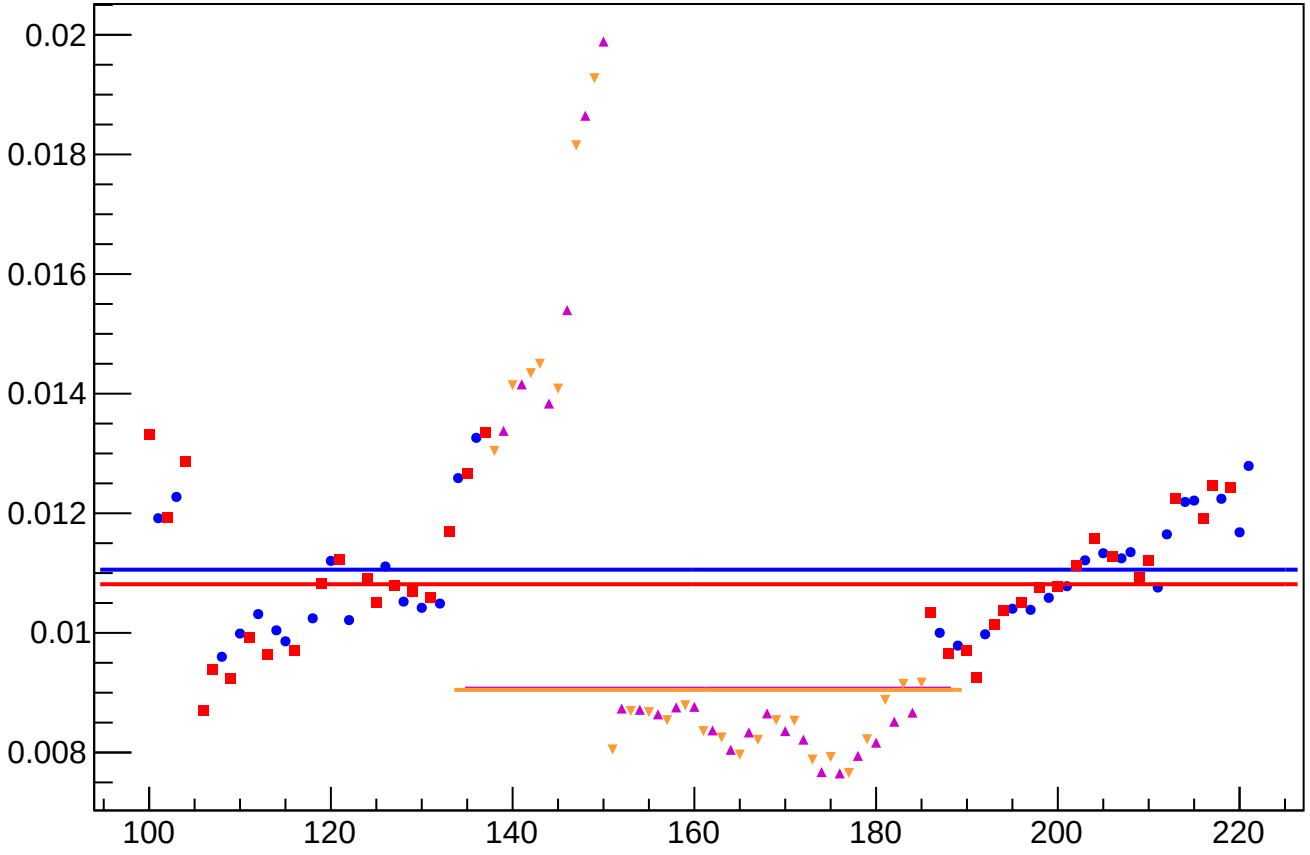
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.290+/-0.000 χ^2/NDF: 548370545765.4/58

All: -1.268+/-0.000 χ^2/NDF: 1090326181992

- sign -1.246+/-0.000 χ^2/NDF: 541576997064.3/59

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 300606.6/33

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

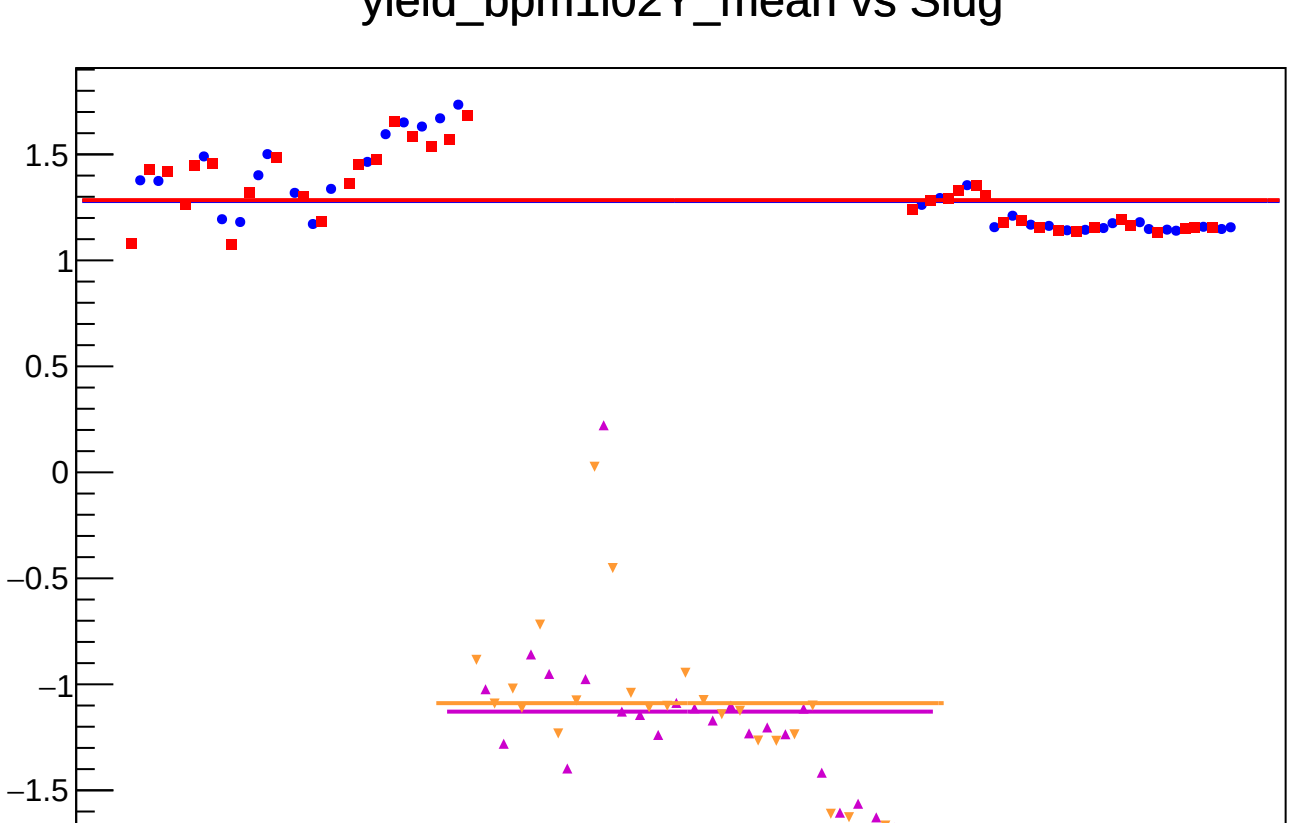
Right Out: 0.011+/-0.000 χ^2/NDF: 370148.3/36

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 3147797.2/58

All: 0.010+/-0.000 χ^2/NDF: 6244338.6/118

- sign 0.010+/-0.000 χ^2/NDF: 3095034.9/59



Right In: 1.280+/-0.000 χ^2/NDF: 10096728162.8/33

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.284+/-0.000 χ^2/NDF: 7729288621.8/36

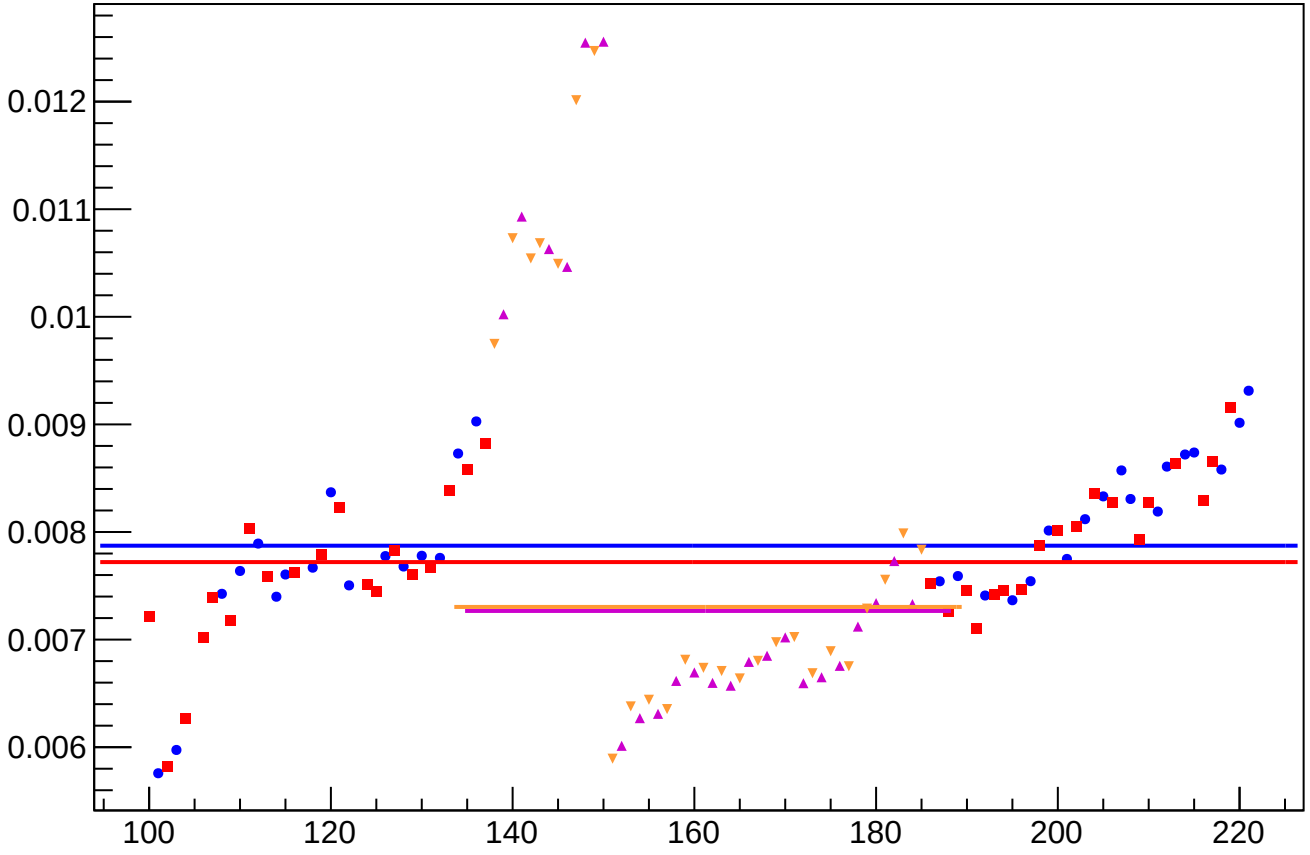
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign 0.101+/-0.000 χ^2/NDF: 1047818941531.6/58

All: 0.112+/-0.000 χ^2/NDF: 2113545902021.

- sign 0.122+/-0.000 χ^2/NDF: 1065572827313.8/59

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 525769.6/33

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 379096.9/36

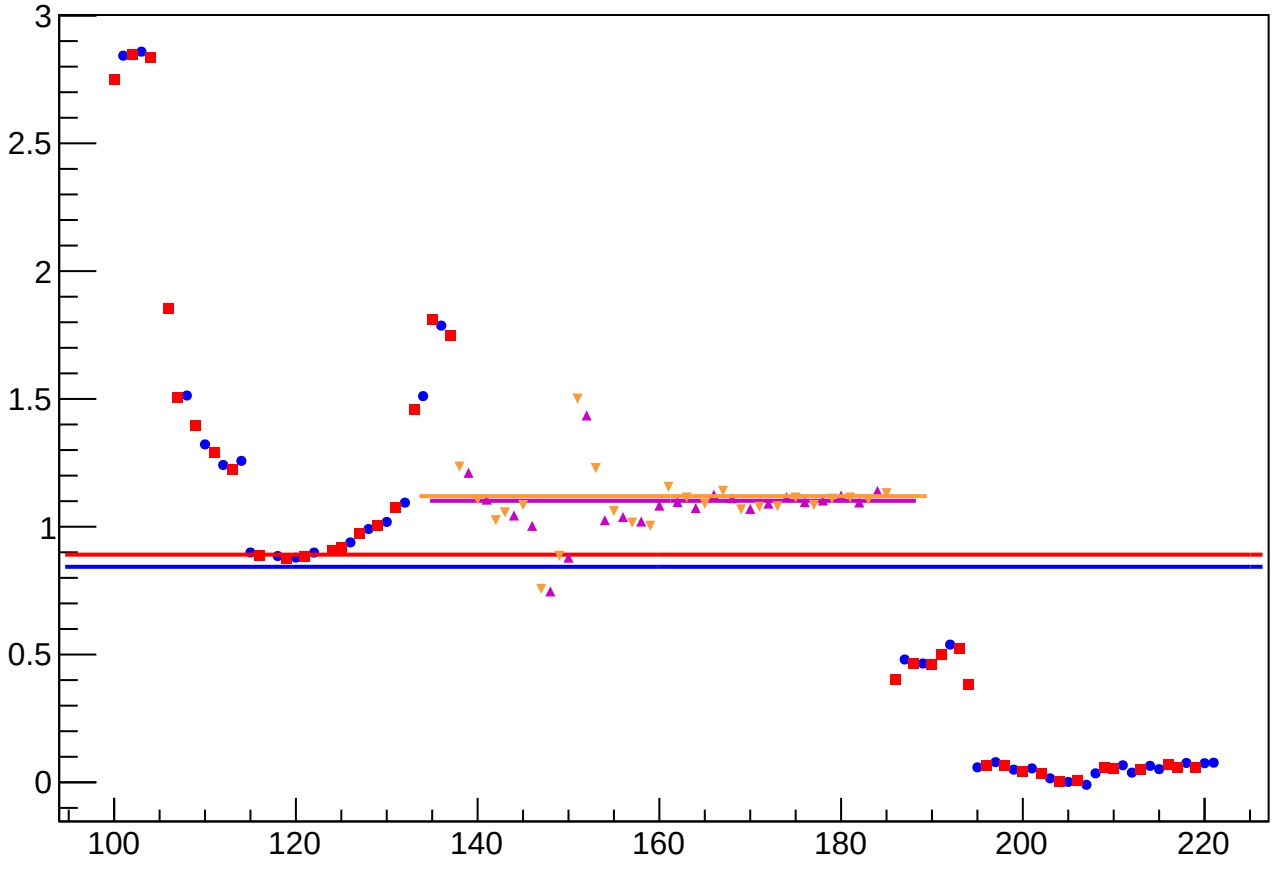
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 2142605.4/58

All: 0.008+/-0.000 χ^2/NDF: 4157873.5/118

- sign 0.008+/-0.000 χ^2/NDF: 2009944.2/59

yield_bpm1i04X_mean vs Slug



Right In: 0.843+/-0.000 χ^2/NDF: 168285518613.5/33

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.891+/-0.000 χ^2/NDF: 158683317902.1/36

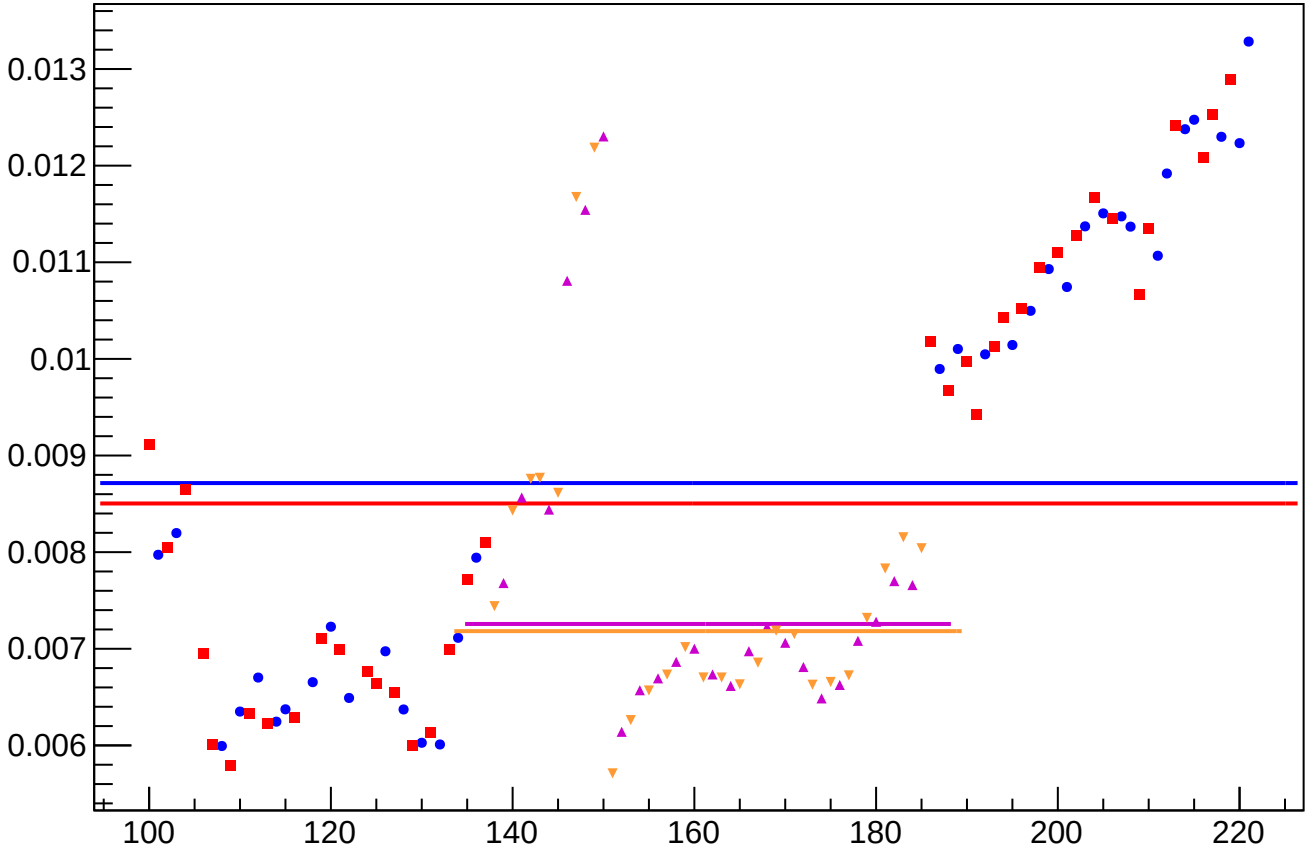
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.001+/-0.000 χ^2/NDF: 185531125989.1/58

All: 1.003+/-0.000 χ^2/NDF: 355115020446.1

- sign 1.006+/-0.000 χ^2/NDF: 169576845993.2/59

yield_bpm1i04X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 3011296.2/33

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2847572.2/36

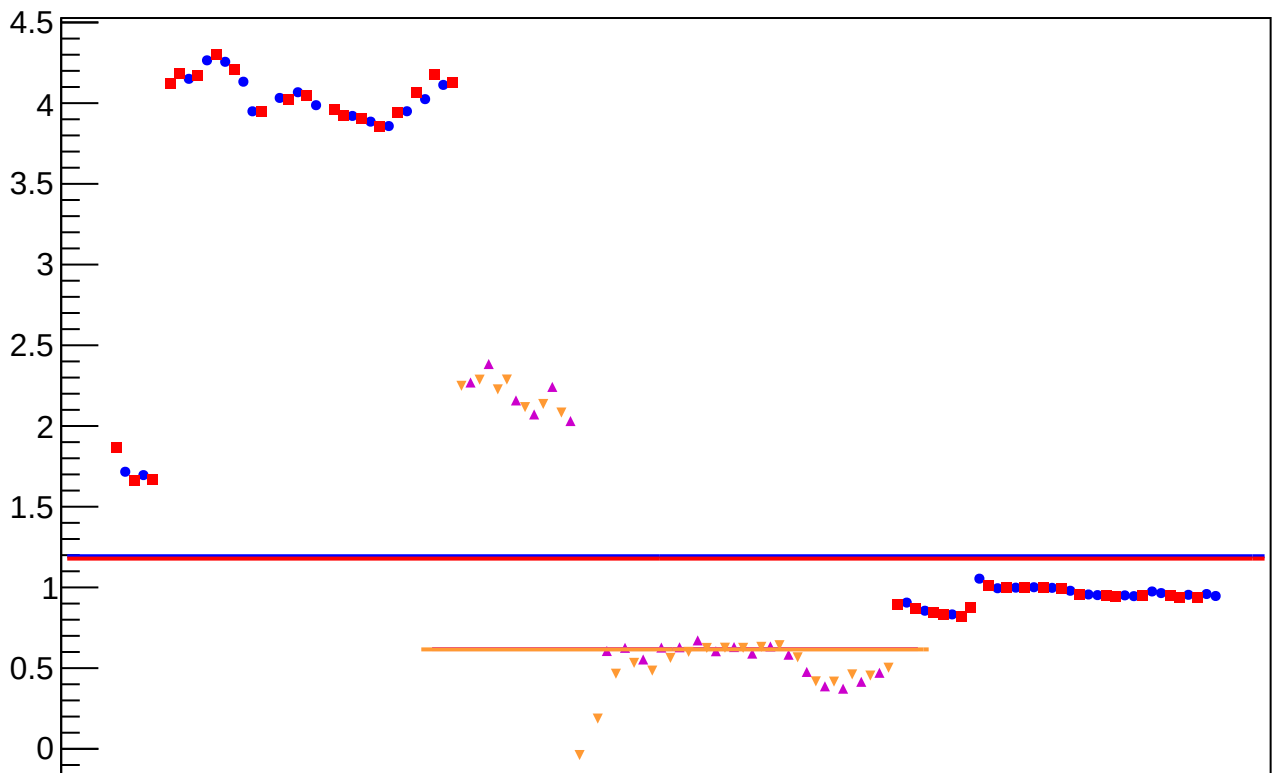
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4625999.3/58

All: 0.008+/-0.000 χ^2/NDF: 8859665.2/118

- sign 0.008+/-0.000 χ^2/NDF: 4233472.5/59

yield_bpm1i04Y_mean vs Slug



Right In: 1.193+/-0.000 χ^2/NDF: 1664747960706.9/33

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.179+/-0.000 χ^2/NDF: 1813031691916.1/36

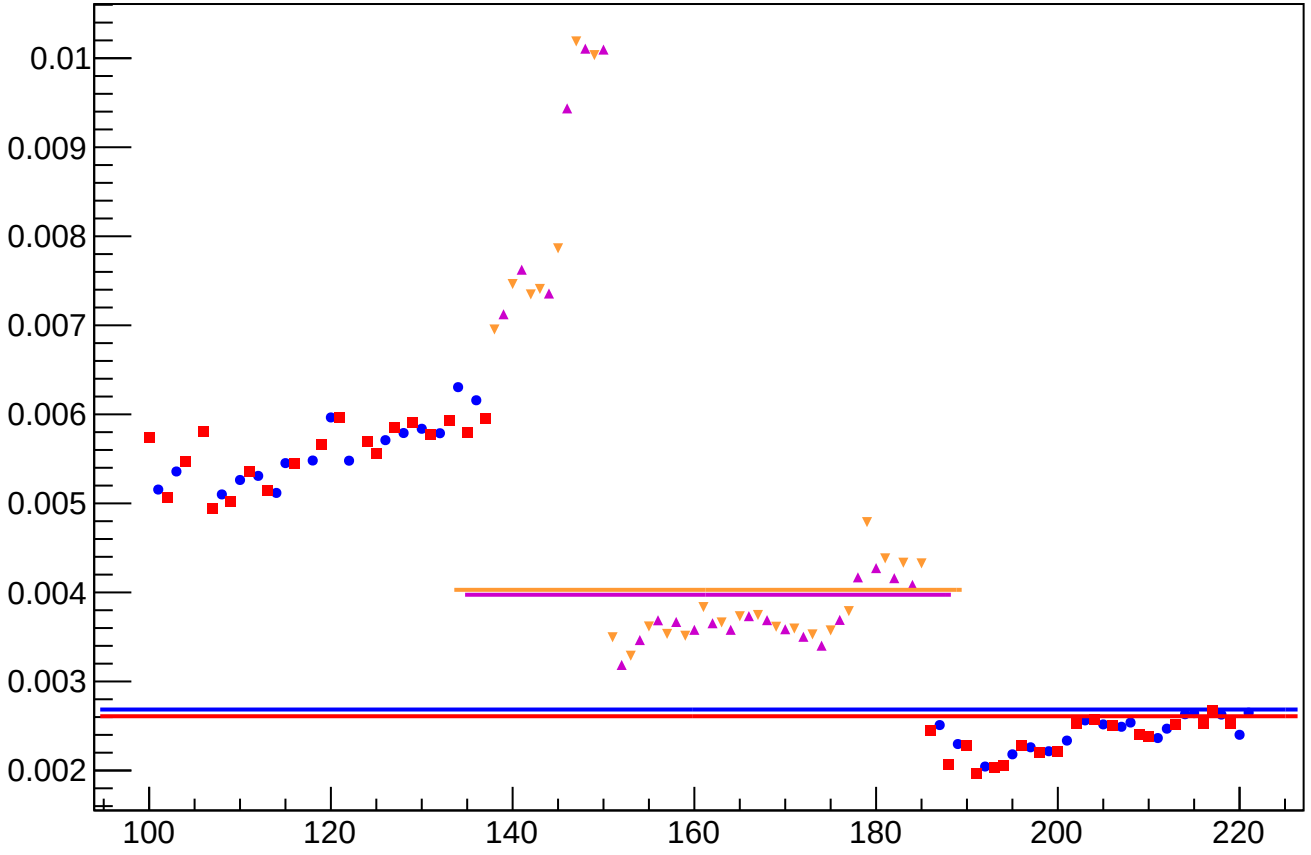
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.026+/-0.000 χ^2/NDF: 2166783265274.9/58

All: 1.024+/-0.000 χ^2/NDF: 4466572701028.

- sign 1.022+/-0.000 χ^2/NDF: 2299760250625.4/59

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4452288.9/33

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4716923.2/36

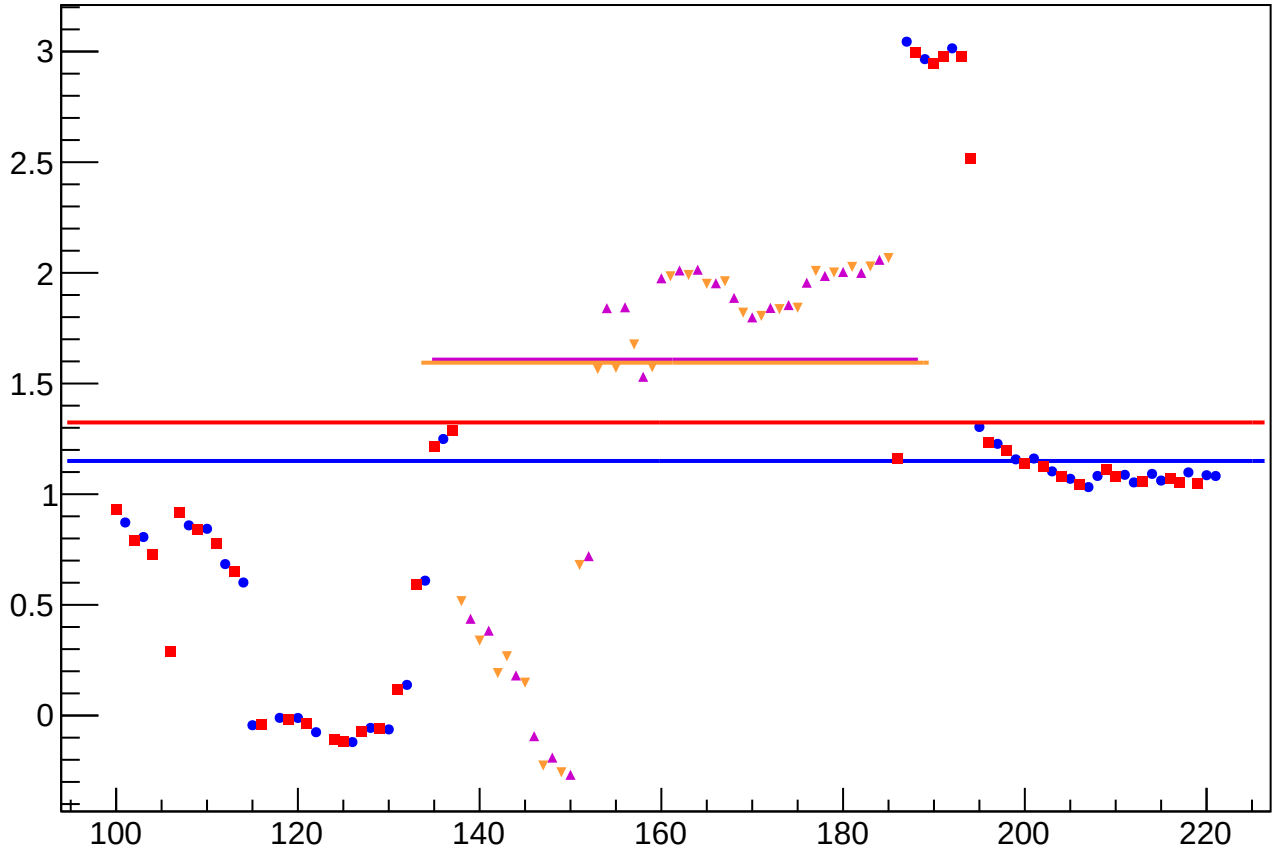
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10130979.2/58

All: 0.003+/-0.000 χ^2/NDF: 20752843.5/118

- sign 0.003+/-0.000 χ^2/NDF: 10596178.7/59

yield_bpm1i06X_mean vs Slug



Right In: 1.150+/-0.000 χ^2/NDF: 77968565779.2/33

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.324+/-0.000 χ^2/NDF: 107823288008.4/36

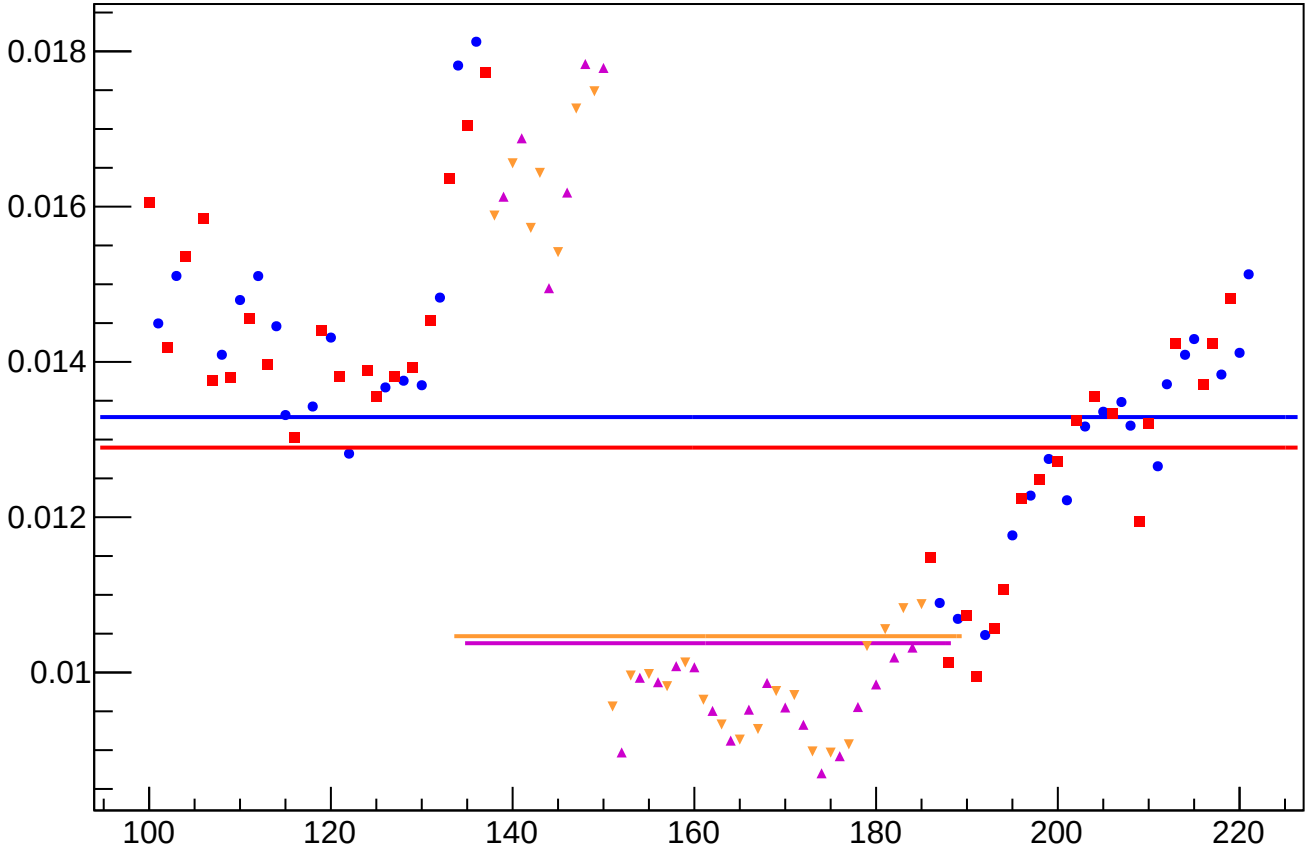
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.407+/-0.000 χ^2/NDF: 154486145469.2/58

All: 1.445+/-0.000 χ^2/NDF: 335231247567.5

- sign 1.484+/-0.000 χ^2/NDF: 179895922394.5/59

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 573880.6/33

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 688750.6/36

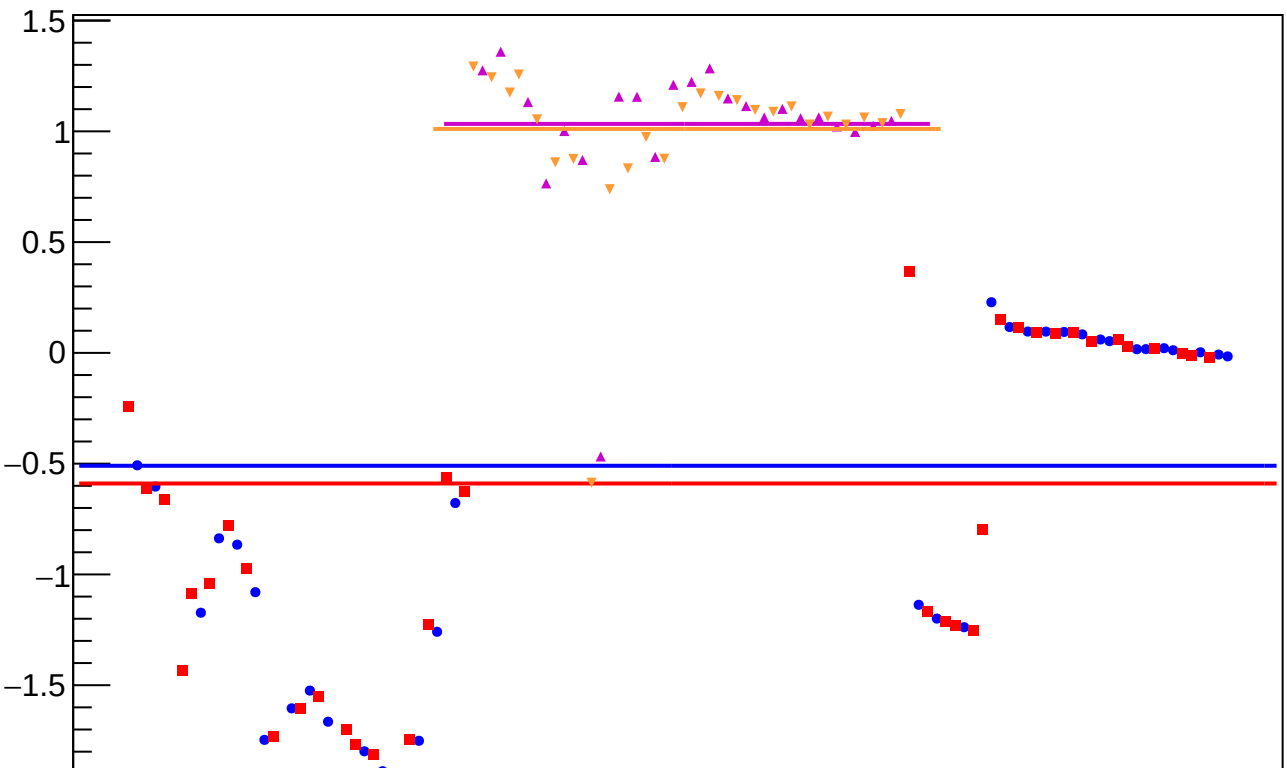
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

\+ sign 0.012+/-0.000 χ^2/NDF: 3356505.2/58

All: 0.012+/-0.000 χ^2/NDF: 6657880.0/118

\- sign 0.011+/-0.000 χ^2/NDF: 3292260.7/59

yield_bpm1i06Y_mean vs Slug



Right In: -0.510+/-0.000 χ^2/NDF: 226494009858.5/33

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.590+/-0.000 χ^2/NDF: 210204752852.4/36

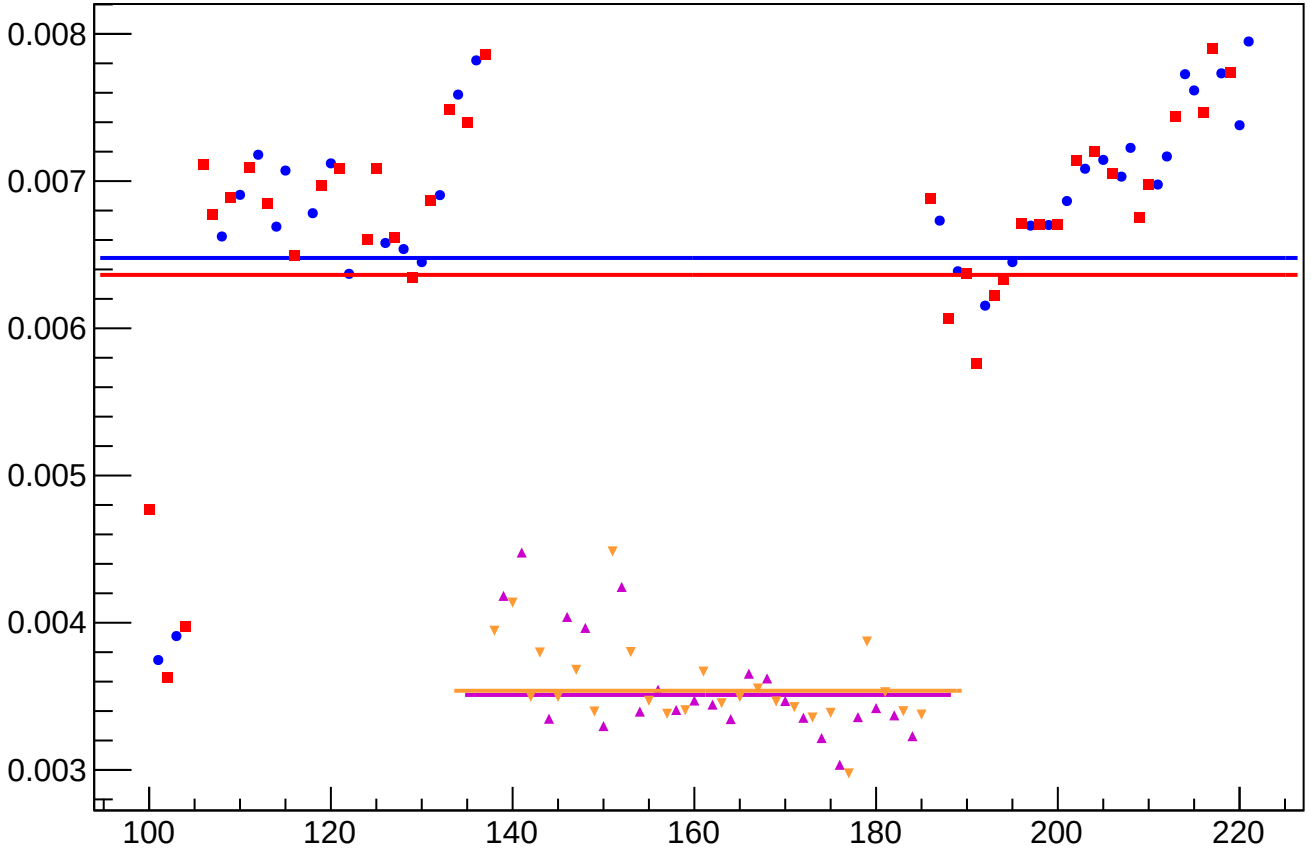
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.620+/-0.000 χ^2/NDF: 1172006805984.6/58

All: 0.611+/-0.000 χ^2/NDF: 2452355543710.

- sign 0.601+/-0.000 χ^2/NDF: 1280006465774.3/59

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1516602.9/33

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1460810.8/36

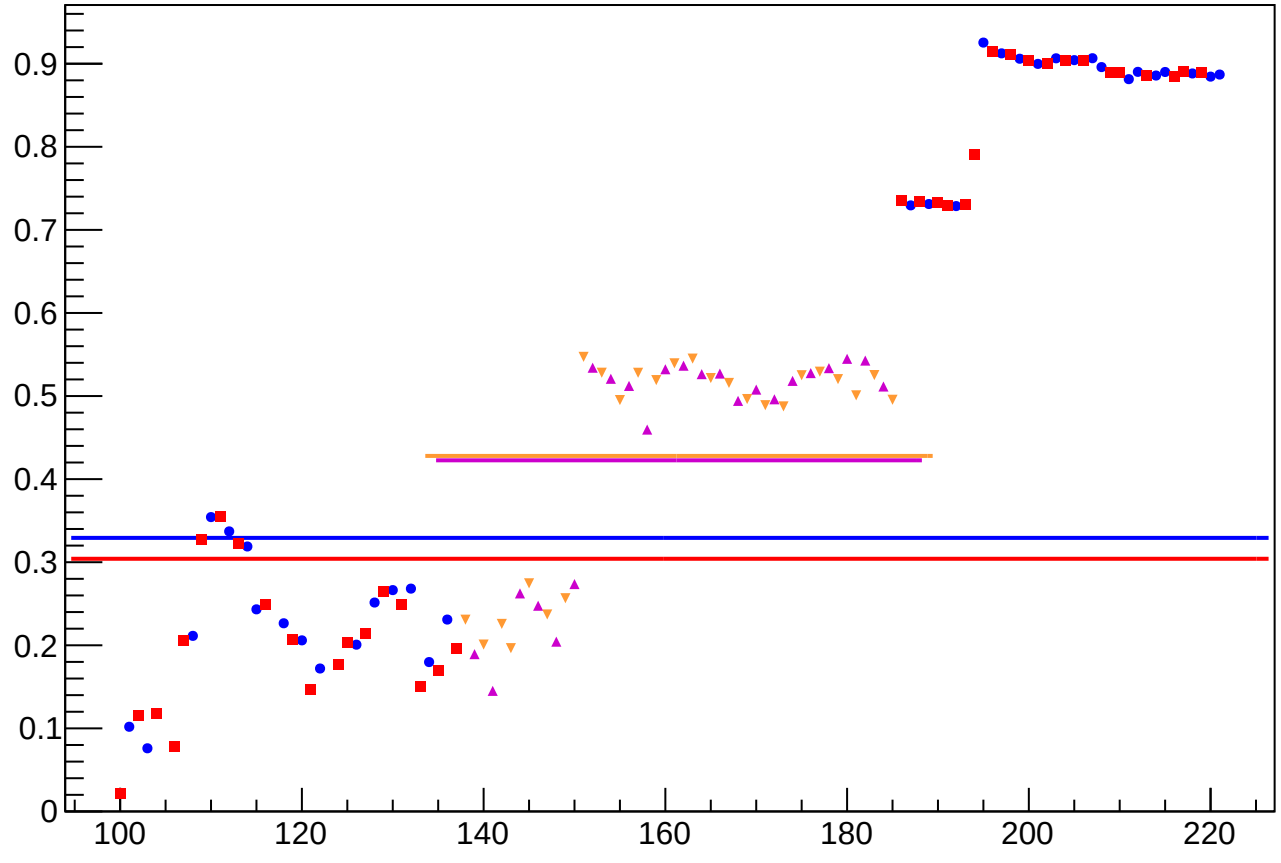
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 7971620.0/58

All: 0.004+/-0.000 χ^2/NDF: 15555294.3/118

- sign 0.004+/-0.000 χ^2/NDF: 7582668.8/59

yield_bpm2i01X_mean vs Slug



Right In: 0.329+/-0.000 χ^2/NDF: 271539546474.3/33

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.304+/-0.000 χ^2/NDF: 269881323533.4/36

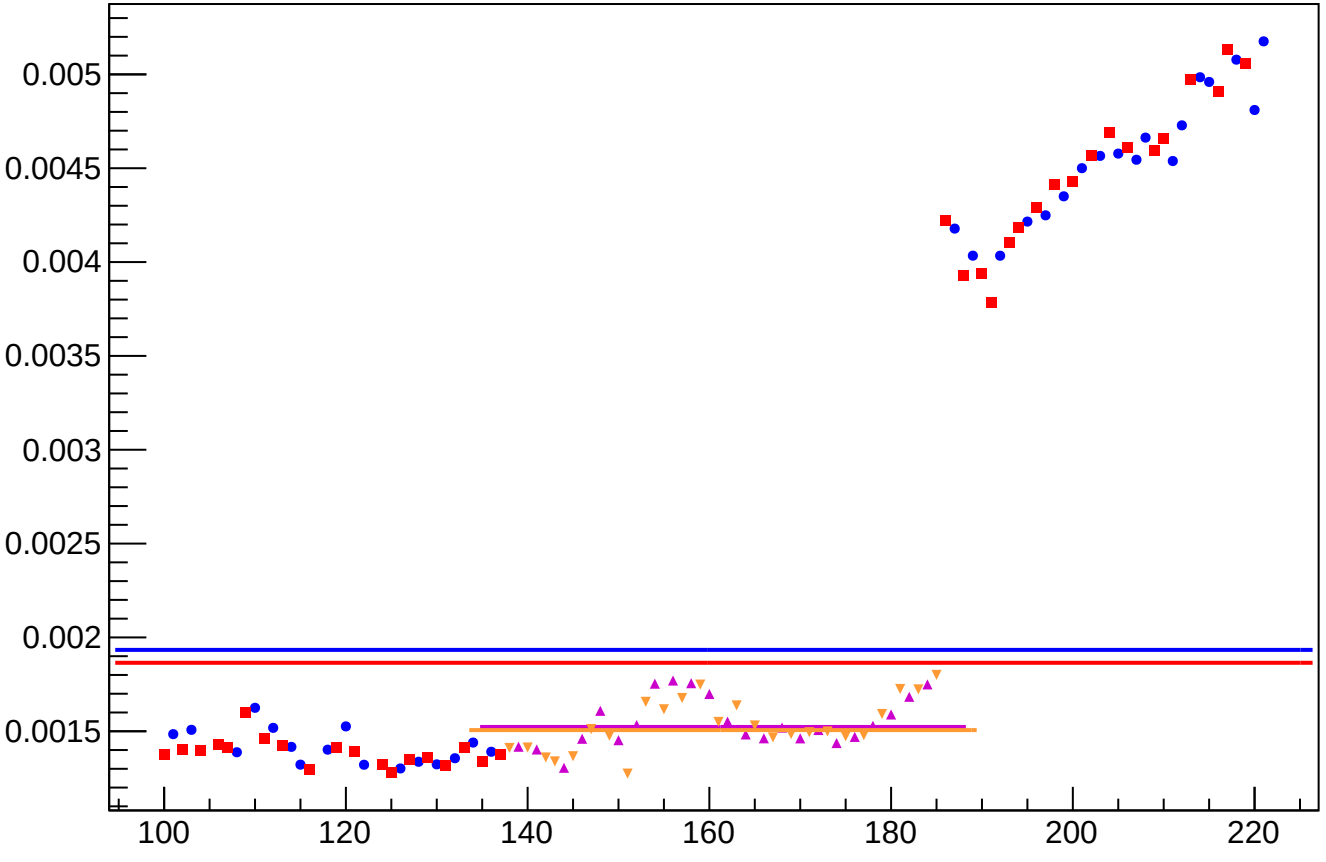
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.395+/-0.000 χ^2/NDF: 452672783835.7/58

All: 0.387+/-0.000 χ^2/NDF: 922123401961.4

- sign 0.379+/-0.000 χ^2/NDF: 467903963357.1/59

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11851945.0/33

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

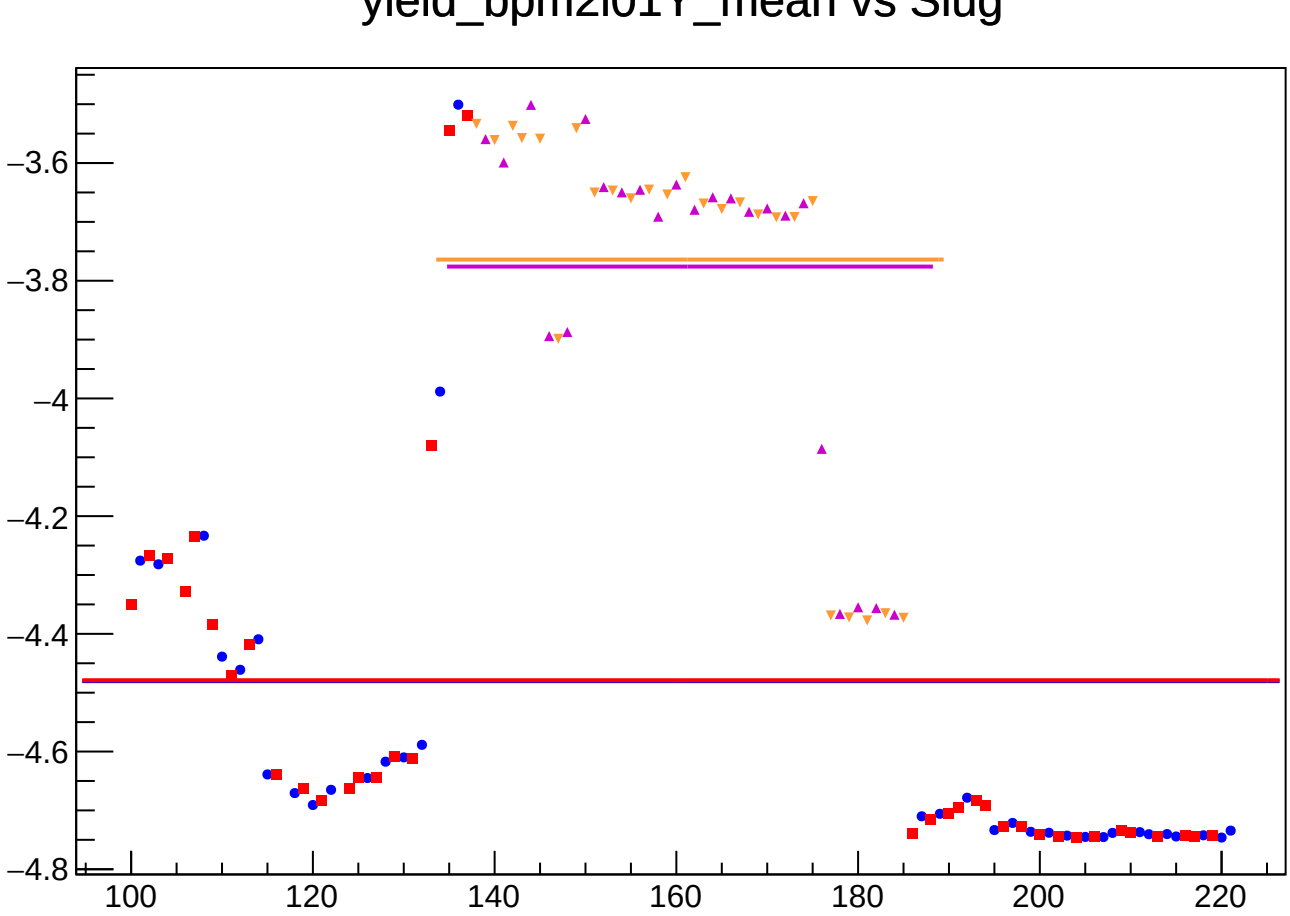
Right Out: 0.002+/-0.000 χ^2/NDF: 11307360.4/36

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 13156068.9/58

All: 0.002+/-0.000 χ^2/NDF: 25362701.2/118

- sign 0.002+/-0.000 χ^2/NDF: 12206624.2/59



Right In: -4.480+/-0.000 χ^2/NDF: 462529307168.1/33

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.479+/-0.000 χ^2/NDF: 403930252342.3/36

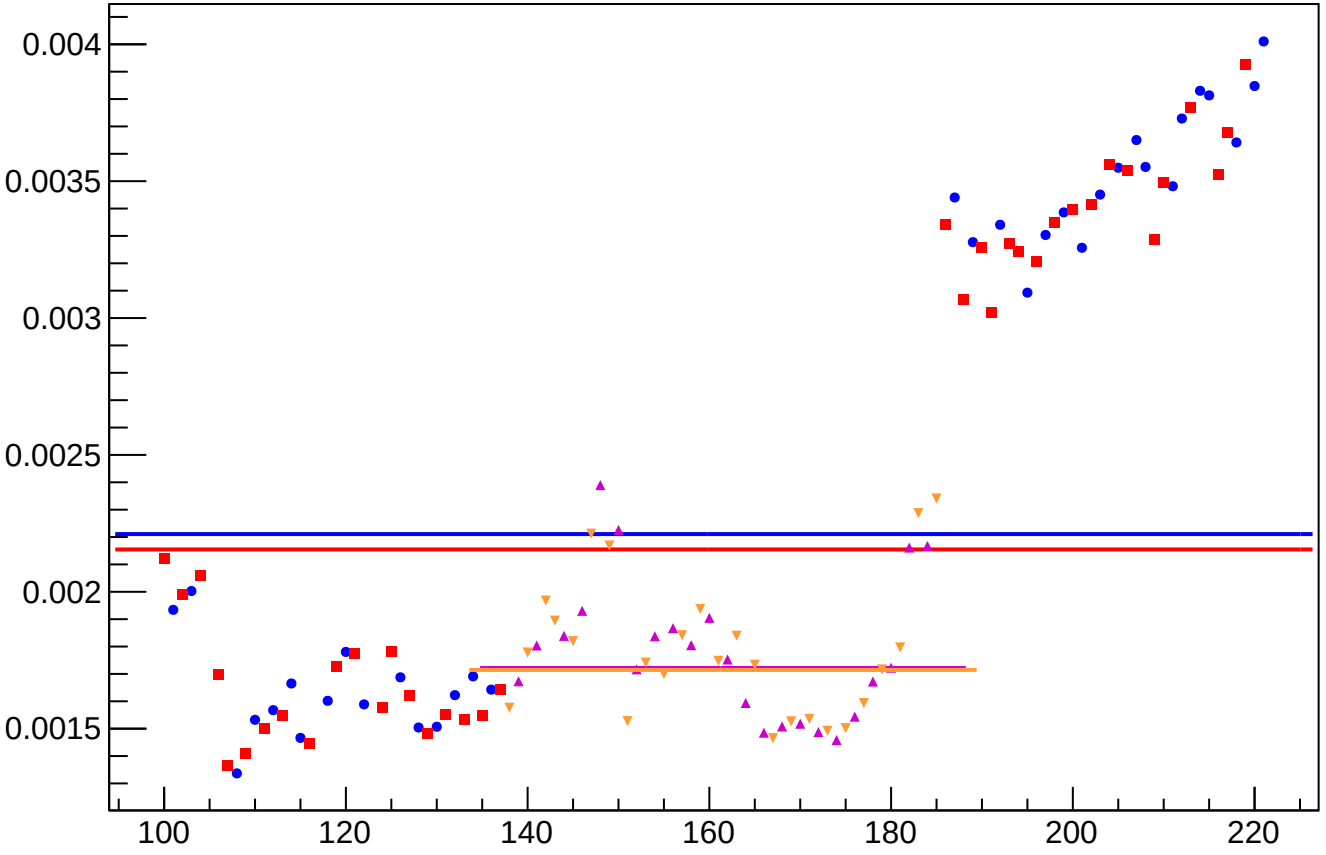
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.033+/-0.000 χ^2/NDF: 2162812496400.9/5

All: -4.045+/-0.000 χ^2/NDF: 4142505885476

- sign -4.057+/-0.000 χ^2/NDF: 1976928528832.4/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6156208.6/33

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5677881.4/36

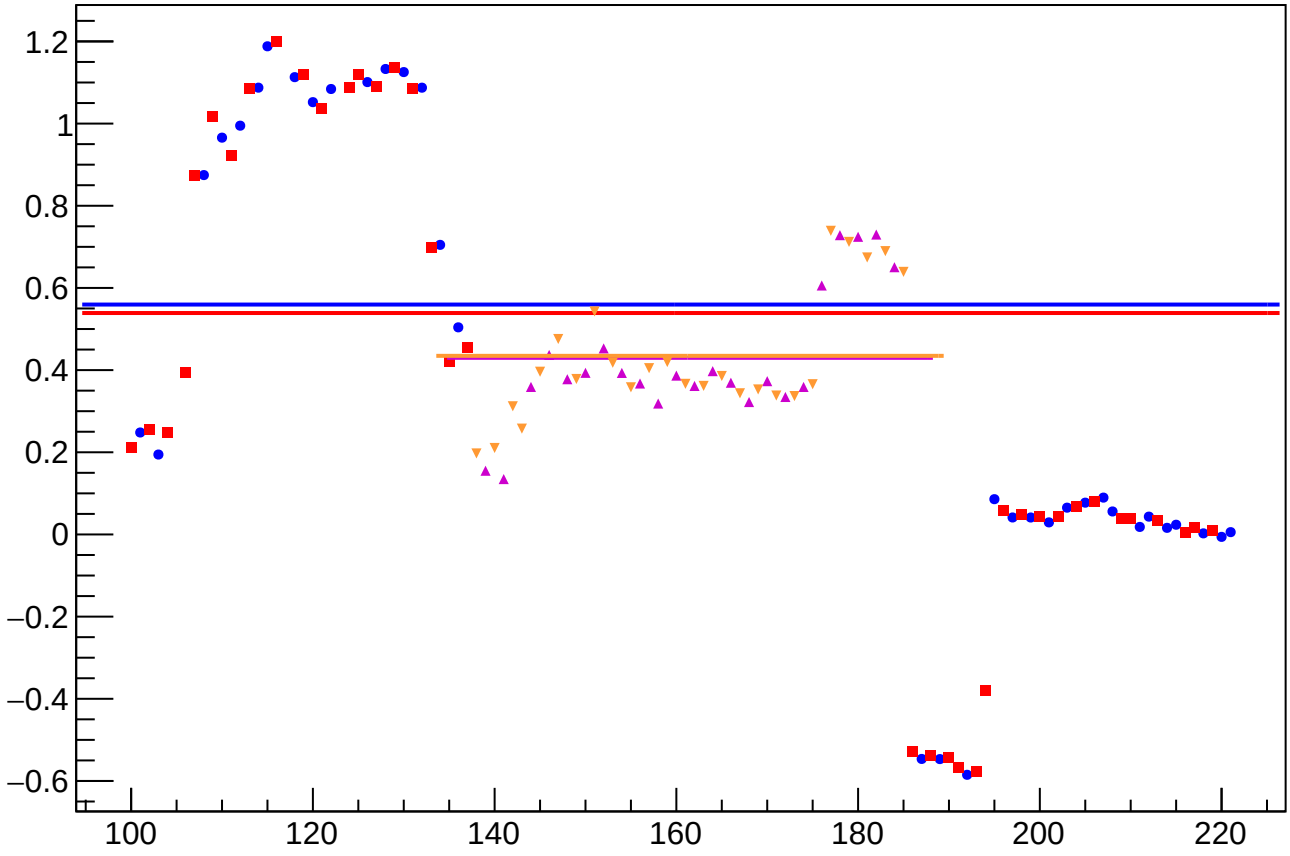
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 7886554.6/58

All: 0.002+/-0.000 χ^2/NDF: 15035444.5/118

- sign 0.002+/-0.000 χ^2/NDF: 7148476.5/59

yield_bpm2i02X_mean vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 81044891681.7/33

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.539+/-0.000 χ^2/NDF: 96034049389.7/36

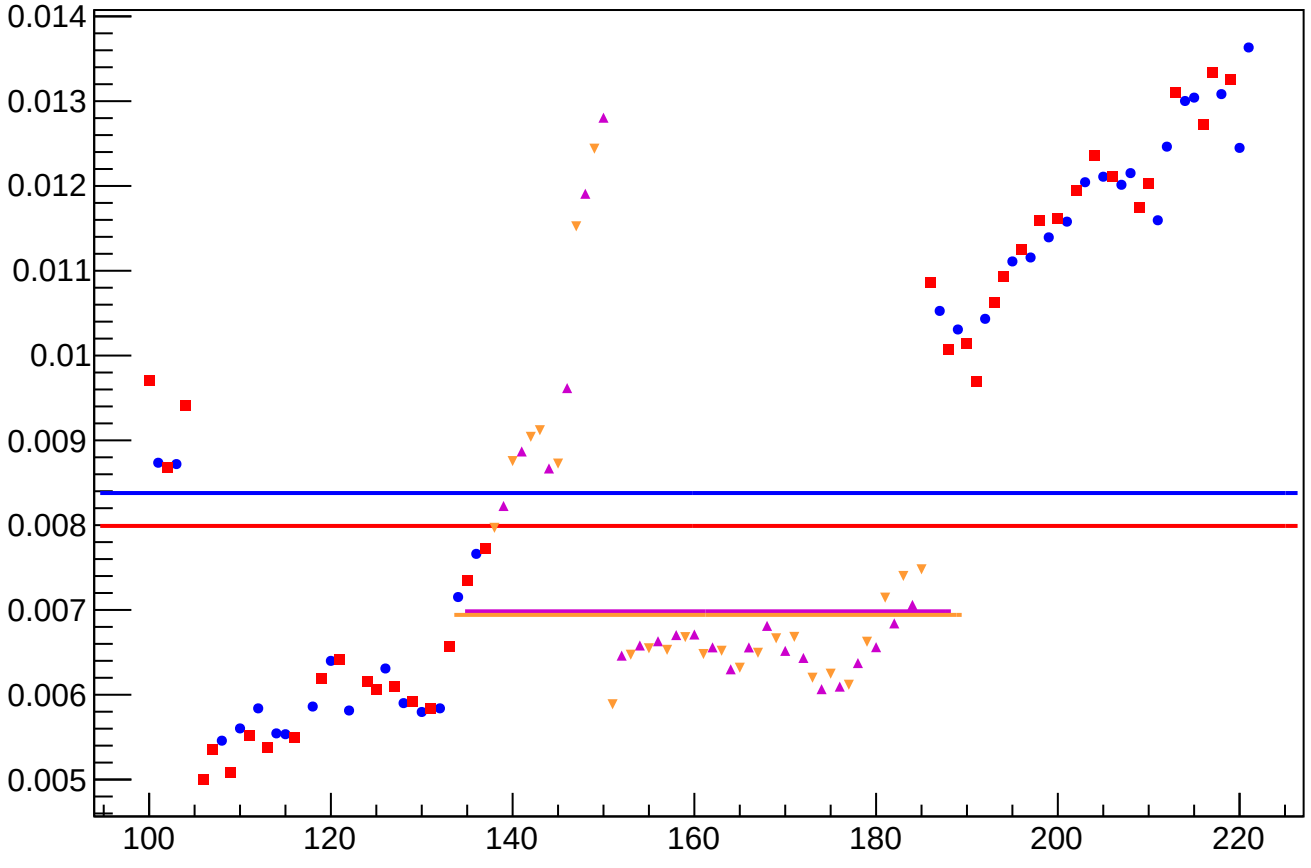
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.487+/-0.000 χ^2/NDF: 92091454581.3/58

All: 0.483+/-0.000 χ^2/NDF: 199130297402.1

- sign 0.479+/-0.000 χ^2/NDF: 107017914076.4/59

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4536070.4/33

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

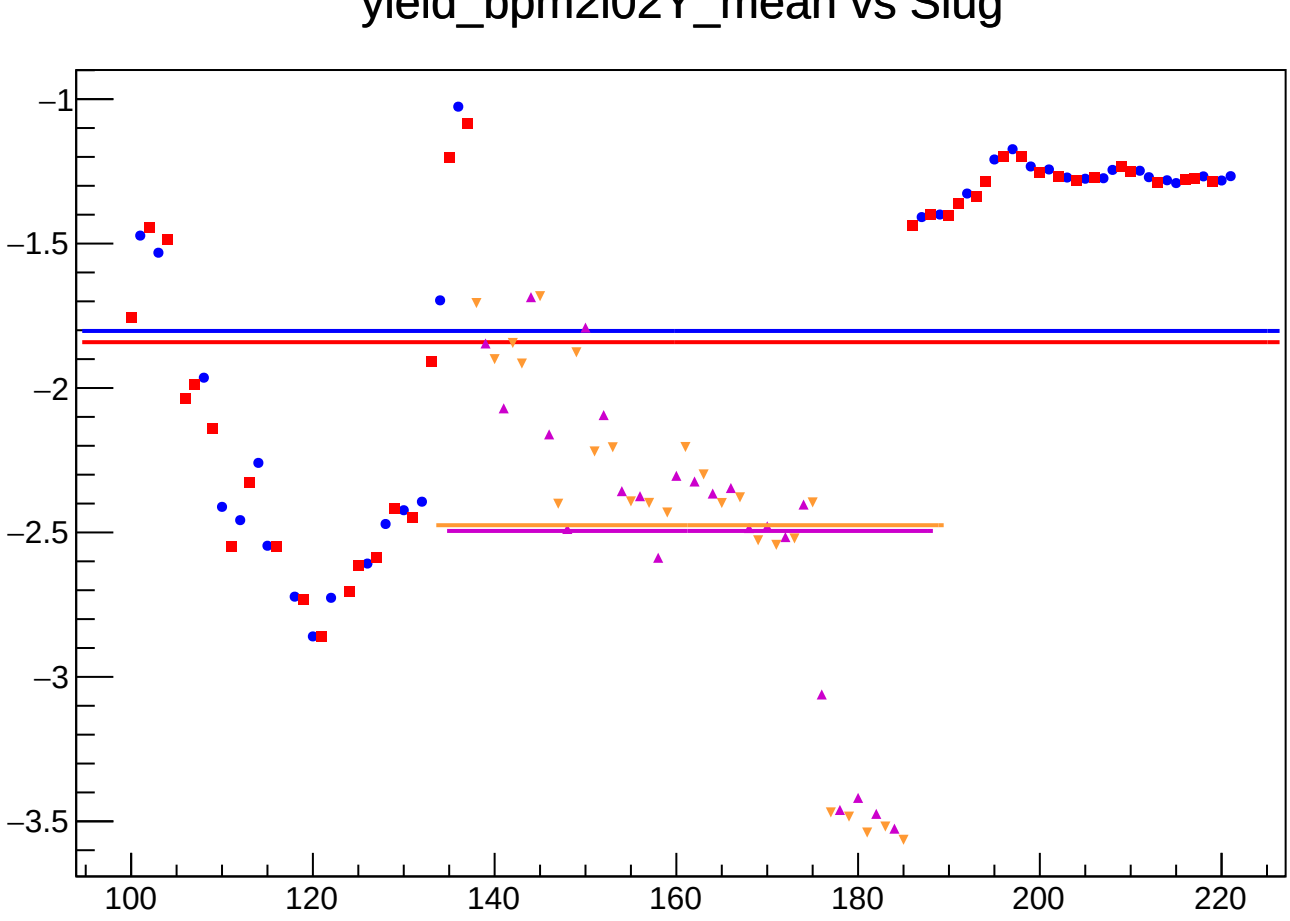
Right Out: 0.008+/-0.000 χ^2/NDF: 4739159.4/36

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 6298000.1/58

All: 0.007+/-0.000 χ^2/NDF: 12512425.1/118

- sign 0.007+/-0.000 χ^2/NDF: 6206996.2/59



Right In: -1.802+/-0.000 χ^2/NDF: 127202745725.7/33

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.841+/-0.000 χ^2/NDF: 122134299420.0/36

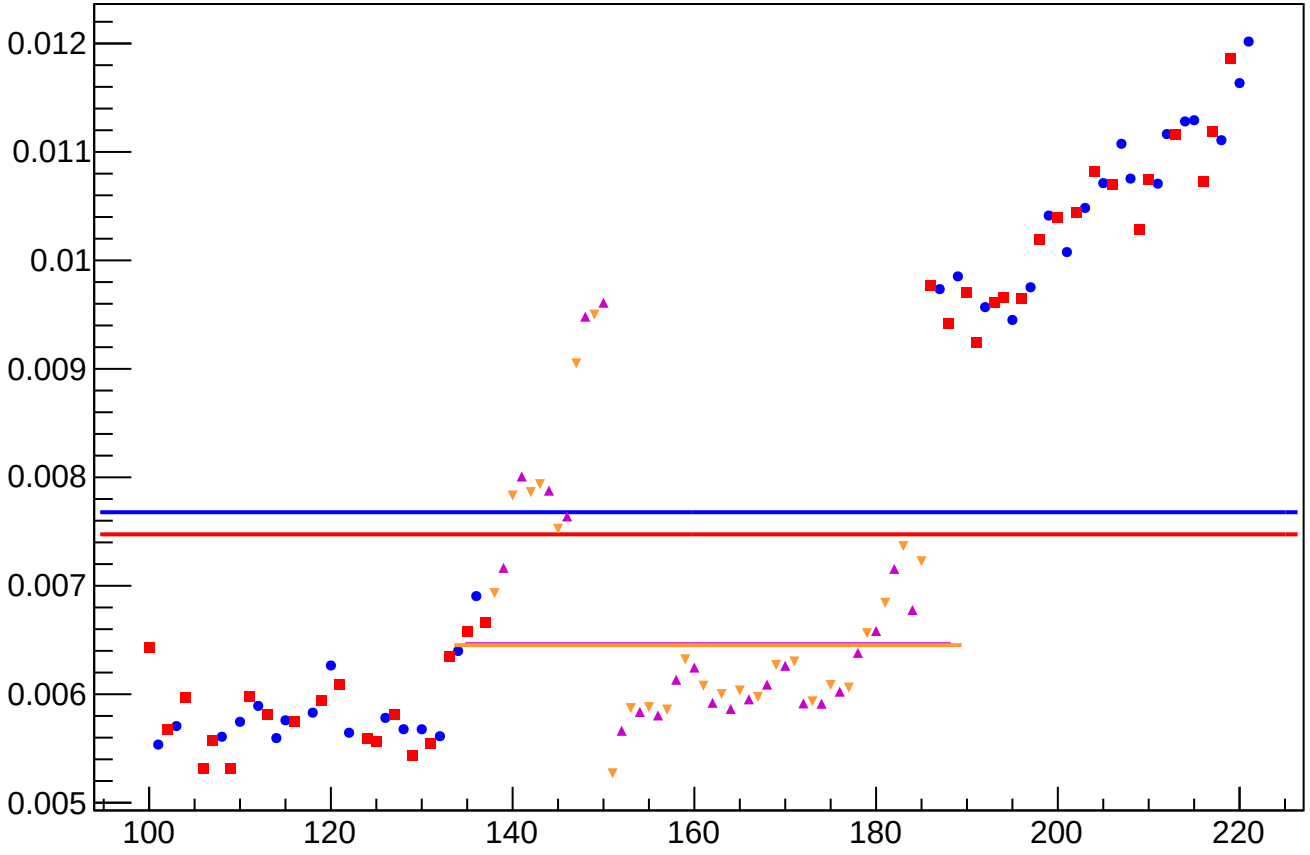
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.187+/-0.000 χ^2/NDF: 338254954551.5/58

All: -2.193+/-0.000 χ^2/NDF: 639944878856.5

- sign -2.200+/-0.000 χ^2/NDF: 301621791802.9/59

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3814415.3/33

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

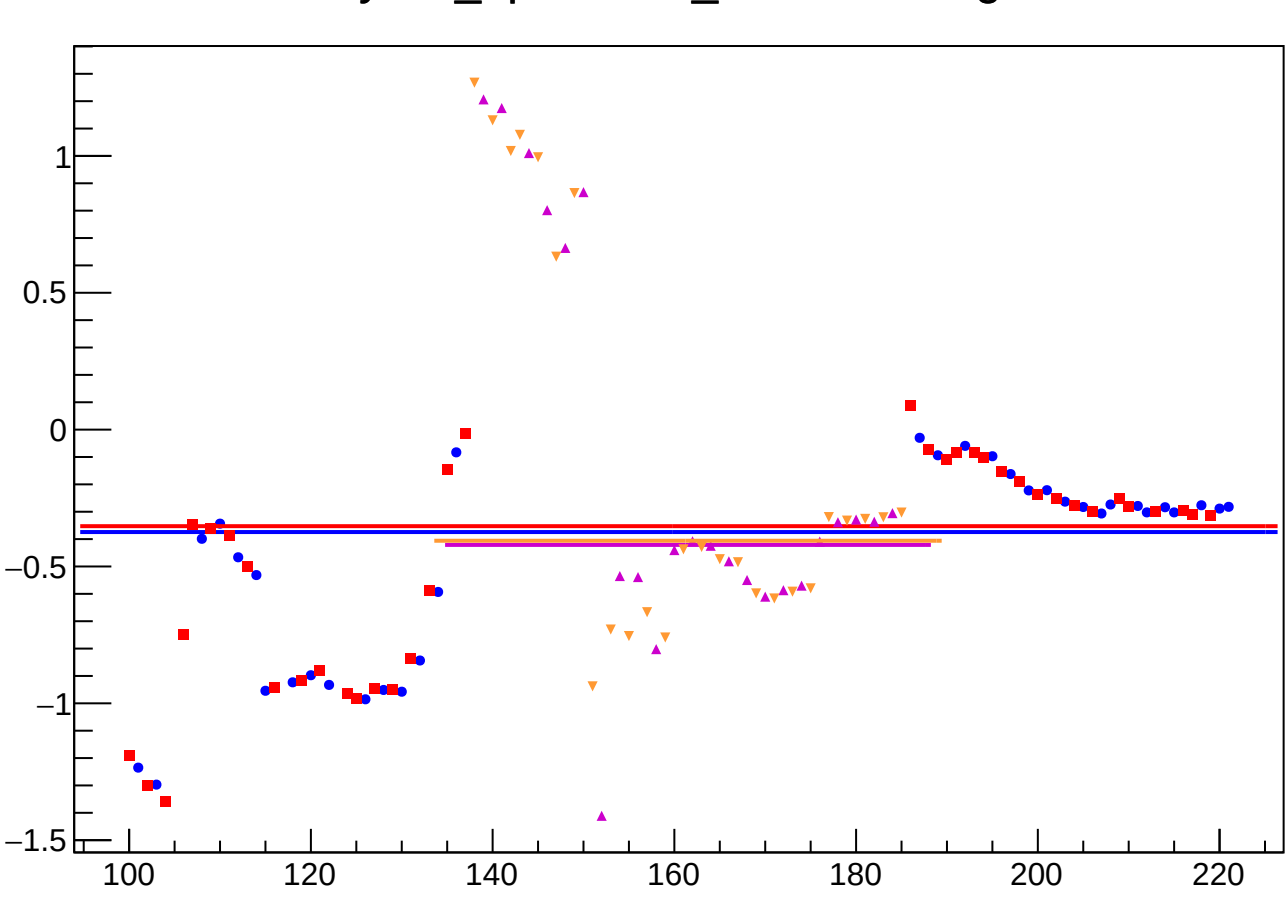
Right Out: 0.007+/-0.000 χ^2/NDF: 3531740.4/36

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 5113218.1/58

All: 0.007+/-0.000 χ^2/NDF: 9765913.9/118

- sign 0.007+/-0.000 χ^2/NDF: 4649933.9/59



Right In: -0.374+/-0.000 χ^2/NDF: 24936119601.3/33

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.353+/-0.000 χ^2/NDF: 27377182395.5/36

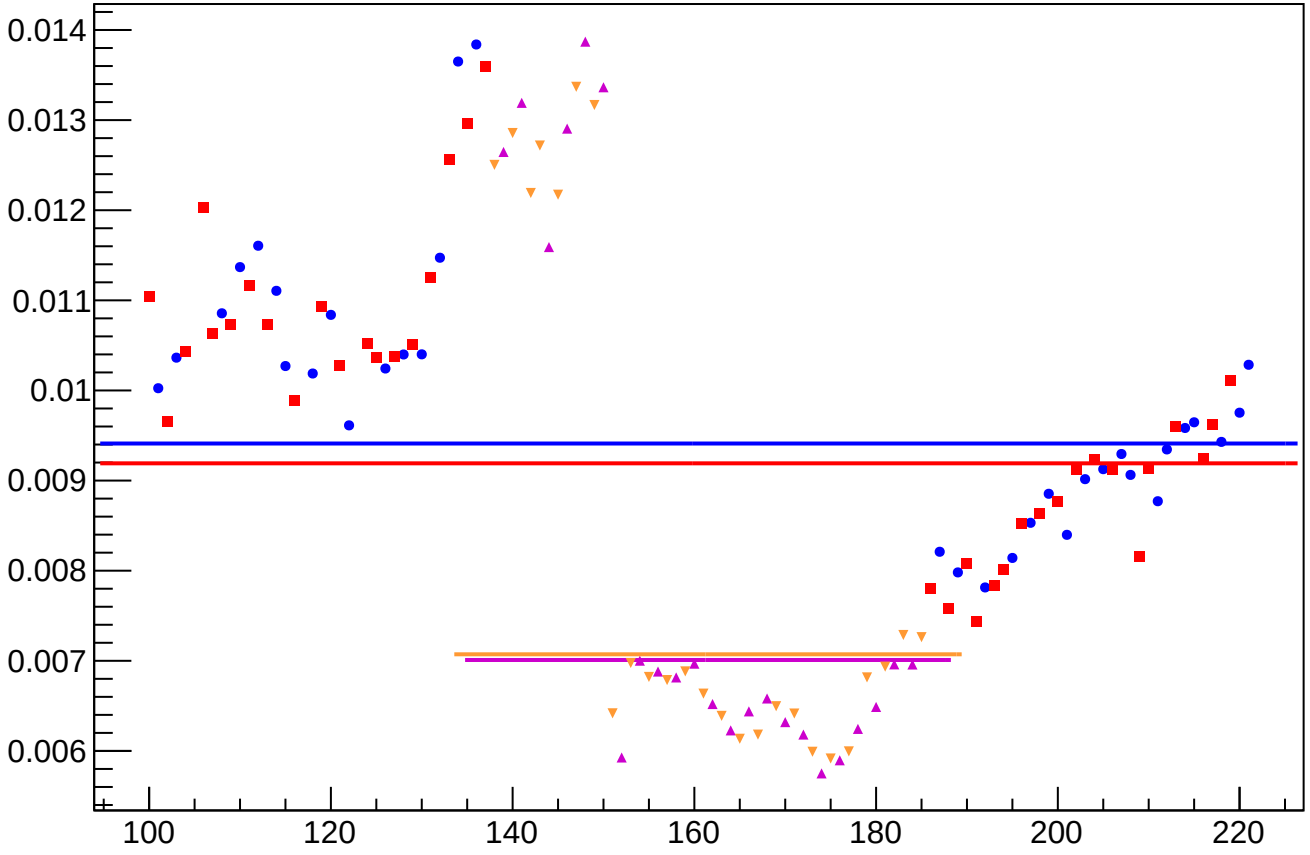
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.393+/-0.000 χ^2/NDF: 106714583005.9/58

All: -0.393+/-0.000 χ^2/NDF: 225001639042.8

- sign -0.393+/-0.000 χ^2/NDF: 118286963203.1/59

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 656485.8/33

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

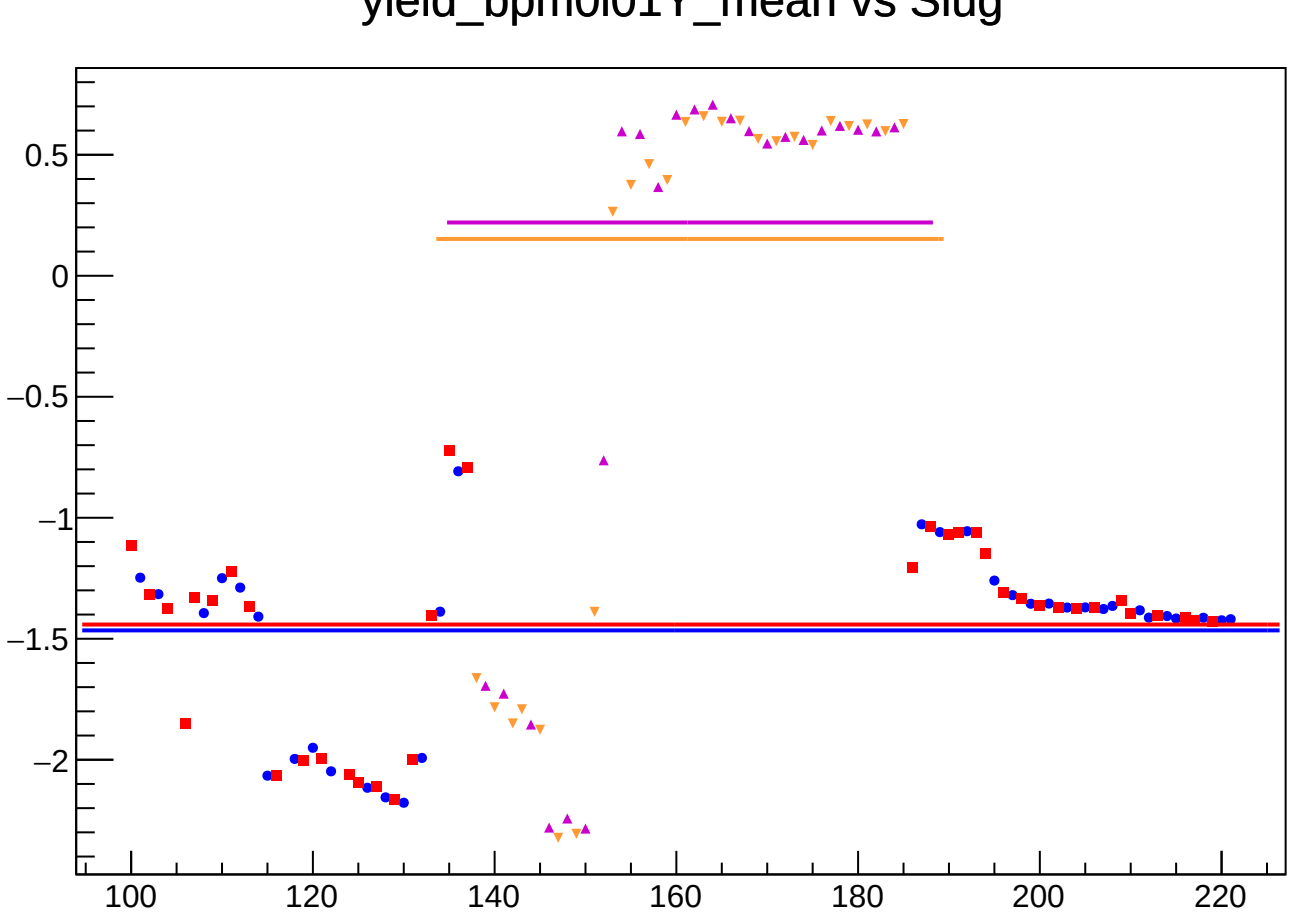
Right Out: 0.009+/-0.000 χ^2/NDF: 722612.9/36

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4613084.9/58

All: 0.008+/-0.000 χ^2/NDF: 9157138.3/118

- sign 0.008+/-0.000 χ^2/NDF: 4538550.5/59



Right In: -1.465+/-0.000 χ^2/NDF: 184105484486.1/33

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.441+/-0.000 χ^2/NDF: 172718514427.3/36

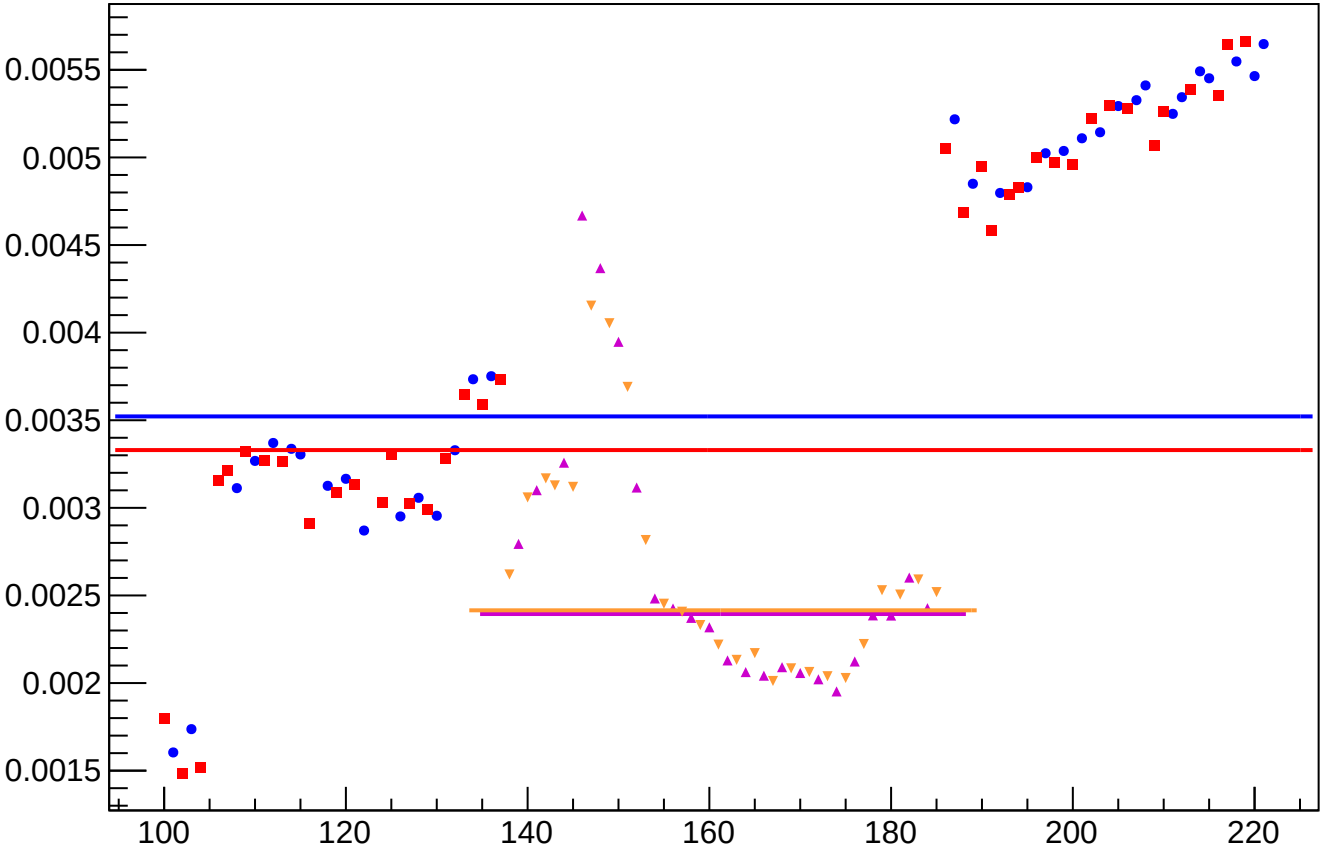
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.385+/-0.000 χ^2/NDF: 5127562480397.1/5

All: -0.378+/-0.000 χ^2/NDF: 1016171203852

- sign -0.371+/-0.000 χ^2/NDF: 5033708380473.4/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 6042096.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

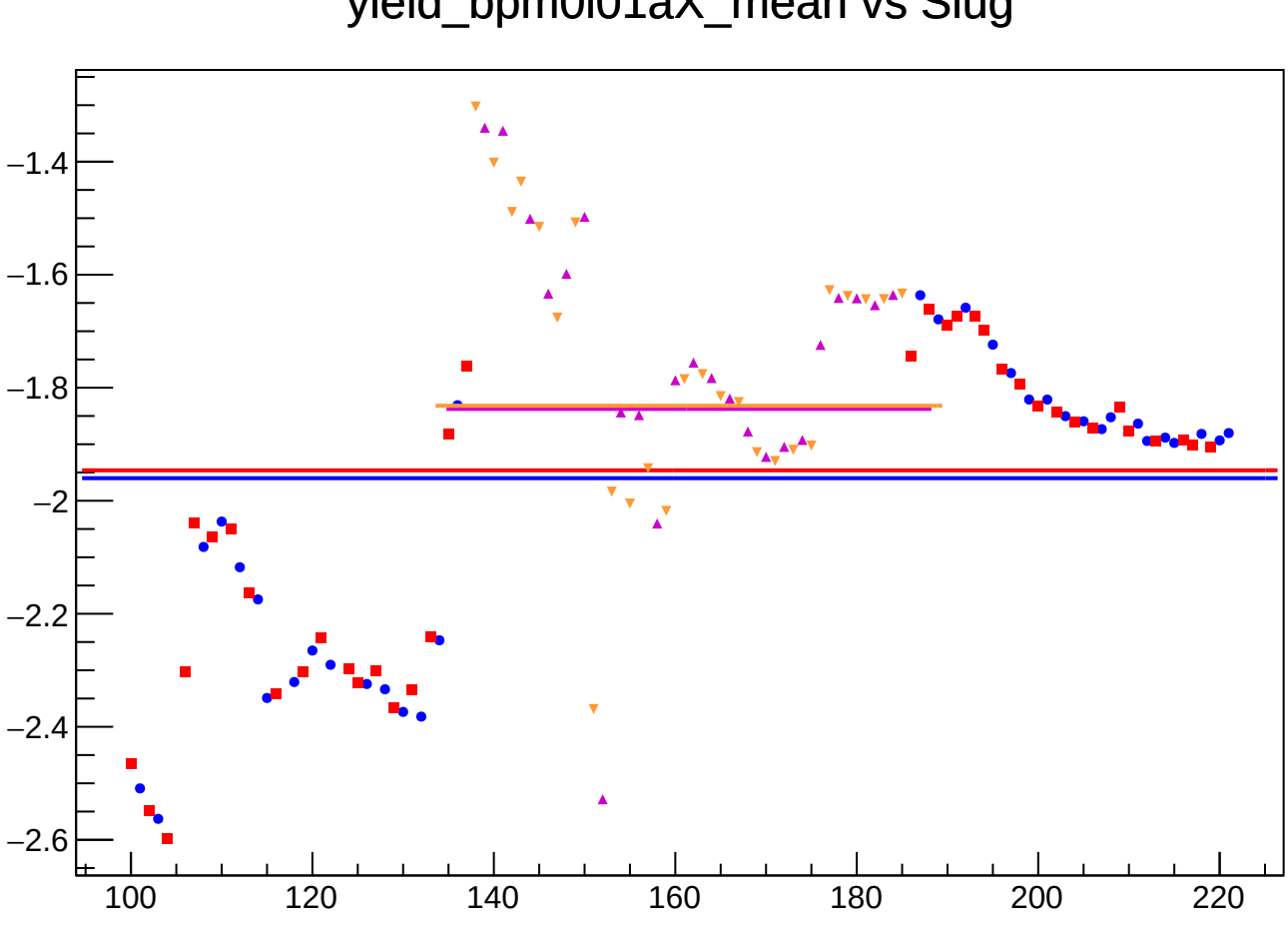
Right Out: 0.003+/-0.000 χ^2/NDF: 6657035.9/36

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 9644544.2/58

All: 0.003+/-0.000 χ^2/NDF: 19462300.9/118

- sign 0.003+/-0.000 χ^2/NDF: 9804176.4/59



Right In: -1.960+/-0.000 χ^2/NDF: 34543390408.8/33

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

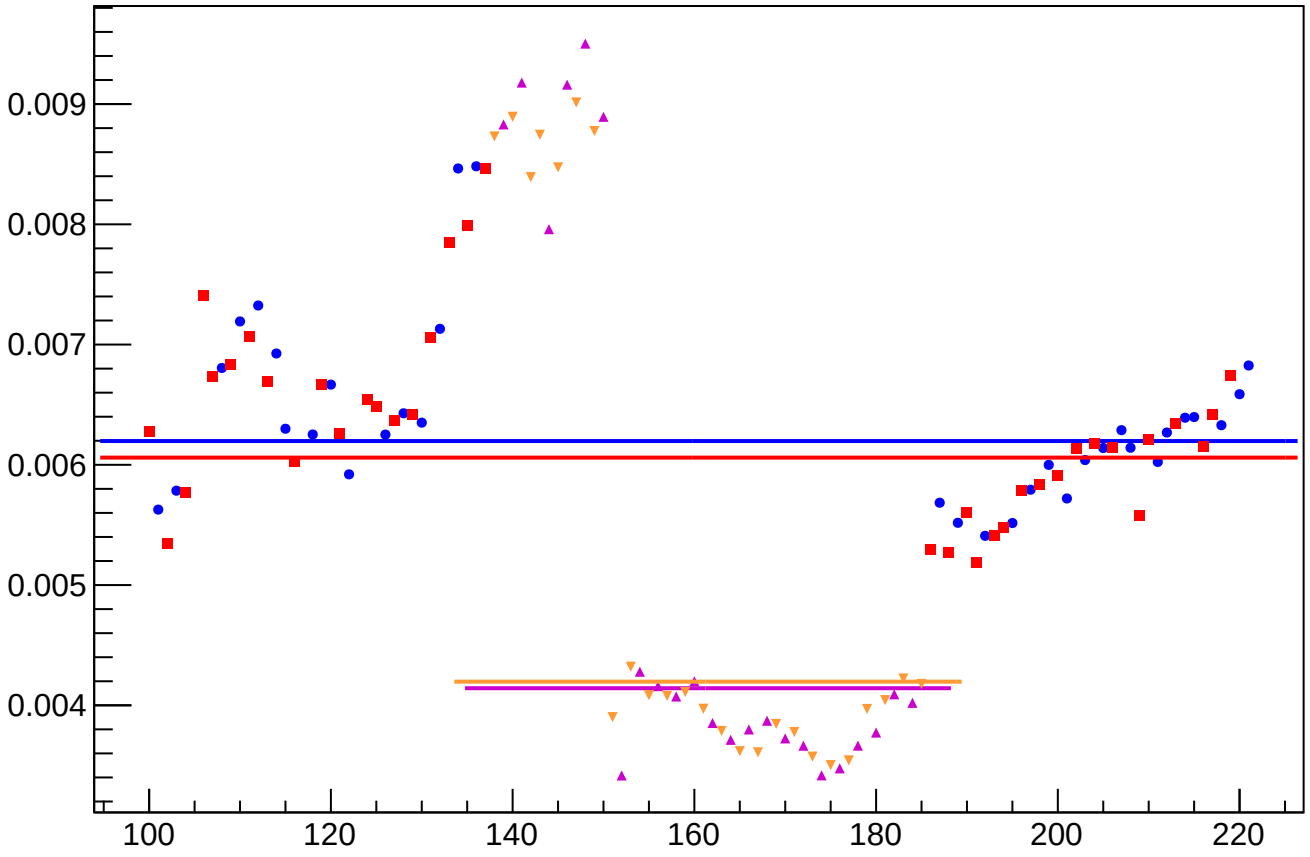
Right Out: -1.946+/-0.000 χ^2/NDF: 38137914547.5/36

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78729989504.4/58

All: -1.878+/-0.000 χ^2/NDF: 174464691380.4

- sign -1.878+/-0.000 χ^2/NDF: 95734697740.7/59



Right In: 0.006+/-0.000 χ^2/NDF: 400353.8/33

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

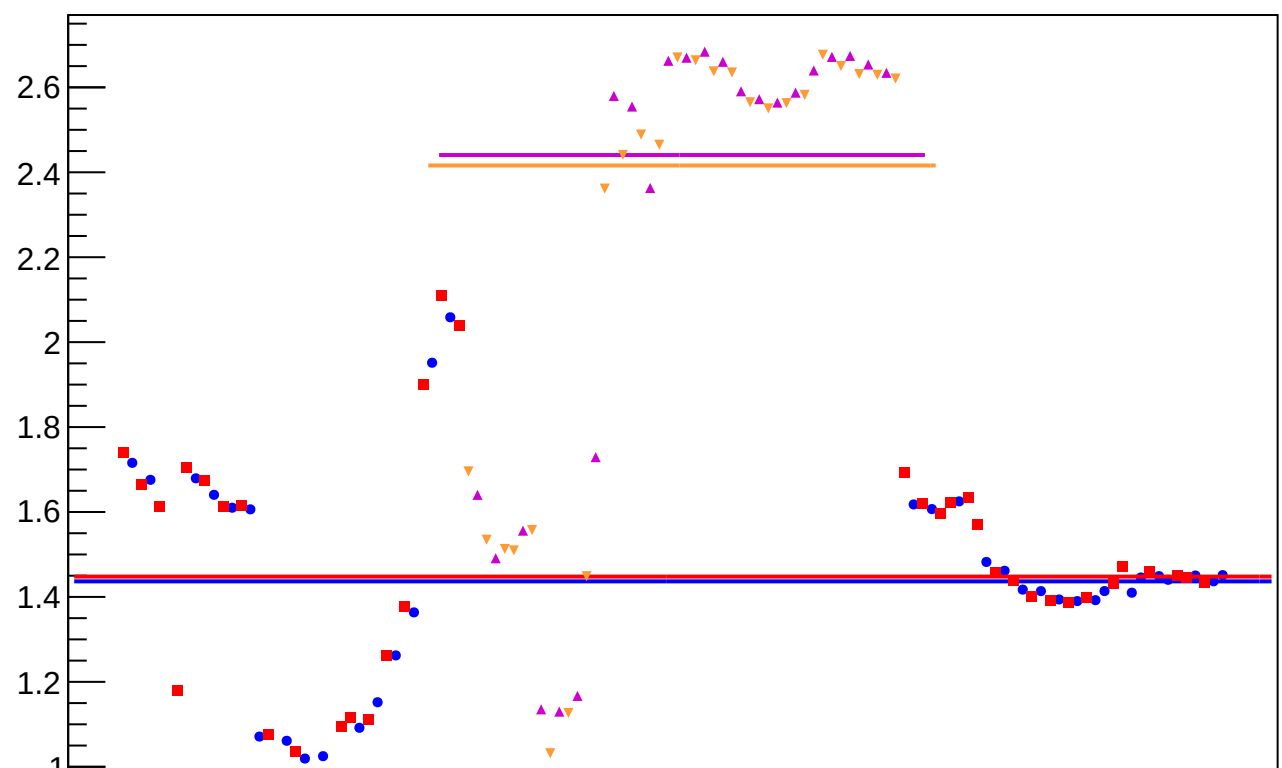
Right Out: 0.006+/-0.000 χ^2/NDF: 421651.8/36

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6327778.0/58

All: 0.005+/-0.000 χ^2/NDF: 12546596.7/118

- sign 0.005+/-0.000 χ^2/NDF: 6213147.0/59



Right In: 1.437+/-0.000 χ^2/NDF: 191516108593.5/33

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186655480416.9/36

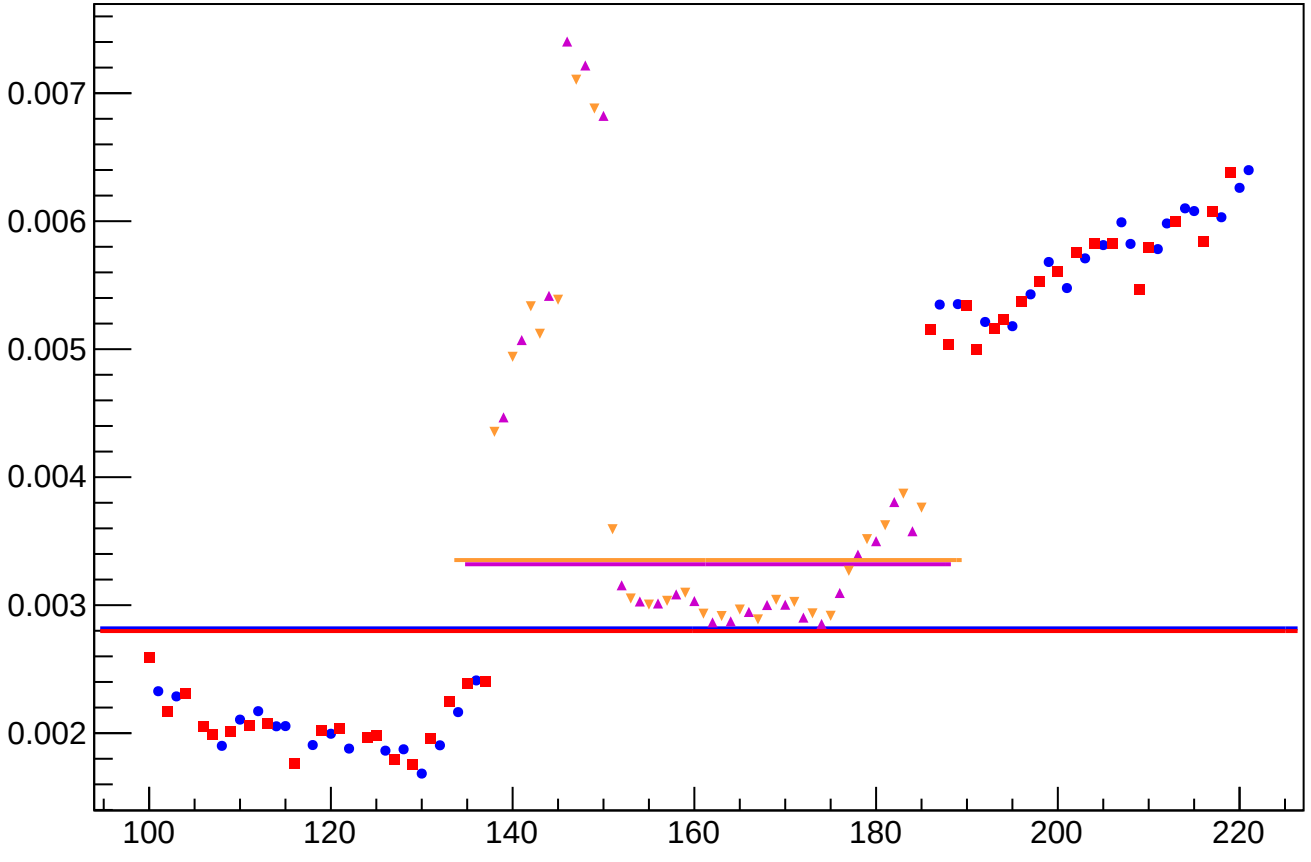
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.857+/-0.000 χ^2/NDF: 1285060163493.9/58

All: 1.859+/-0.000 χ^2/NDF: 2555914761102.

- sign 1.861+/-0.000 χ^2/NDF: 1270814957278.6/59

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9945554.5/33

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

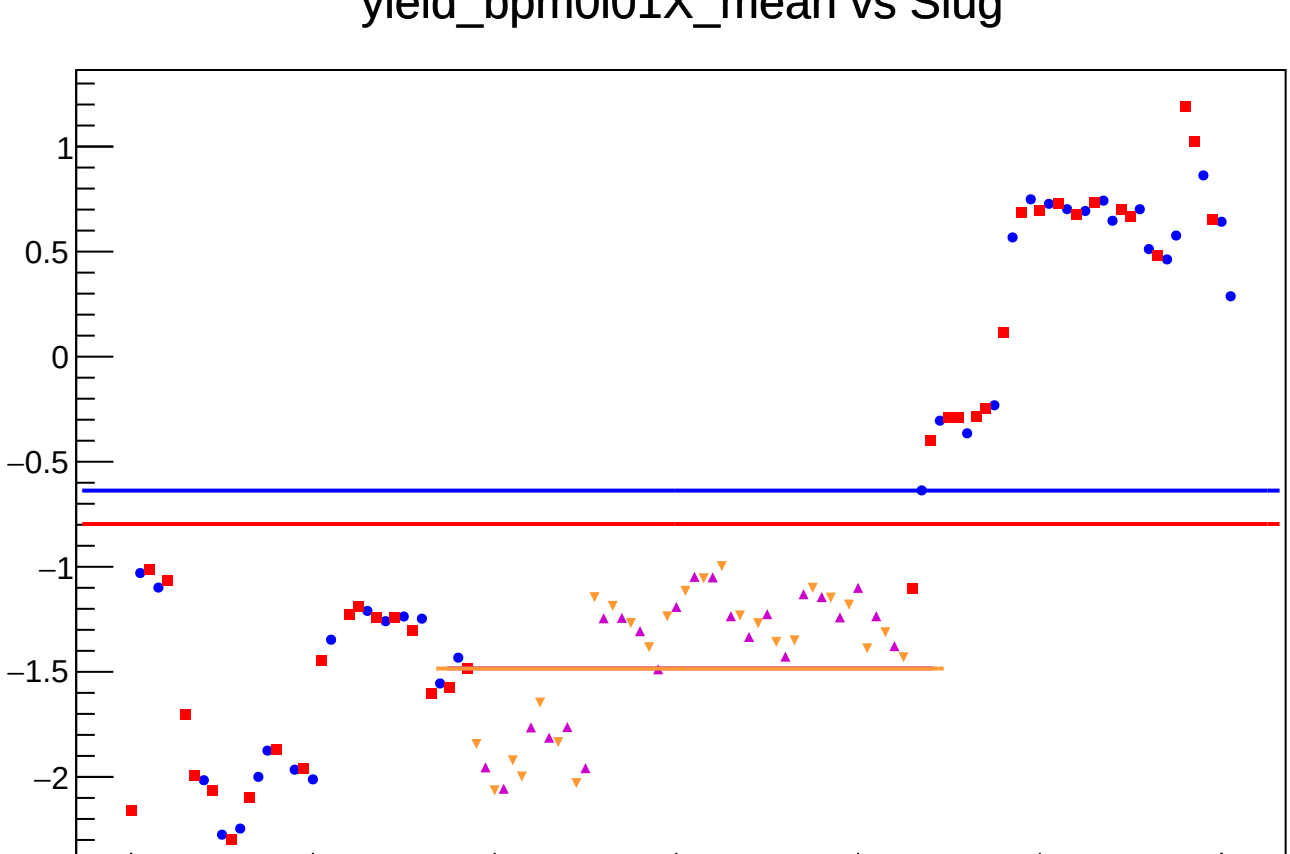
Right Out: 0.003+/-0.000 χ^2/NDF: 9017591.4/36

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 12270634.5/58

All: 0.003+/-0.000 χ^2/NDF: 23818671.9/118

- sign 0.003+/-0.000 χ^2/NDF: 11544258.8/59



Right In: -0.637+/-0.000 χ^2/NDF: 279013157531.0/33

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.796+/-0.000 χ^2/NDF: 314680494926.5/36

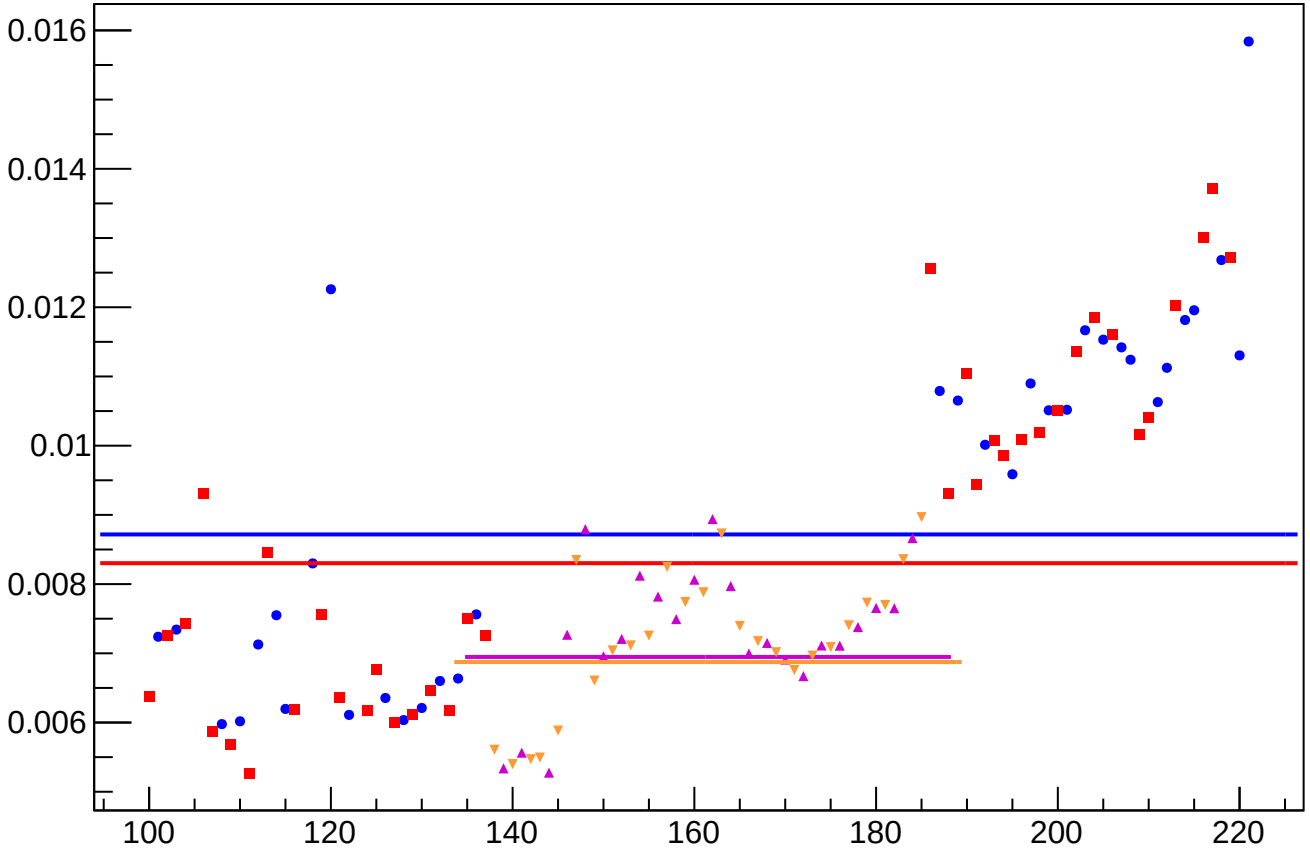
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.145+/-0.000 χ^2/NDF: 437363294857.3/58

All: -1.163+/-0.000 χ^2/NDF: 865887102236.2

- sign -1.182+/-0.000 χ^2/NDF: 428109614523.6/59

yield_bpm0l01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2964041.0/33

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

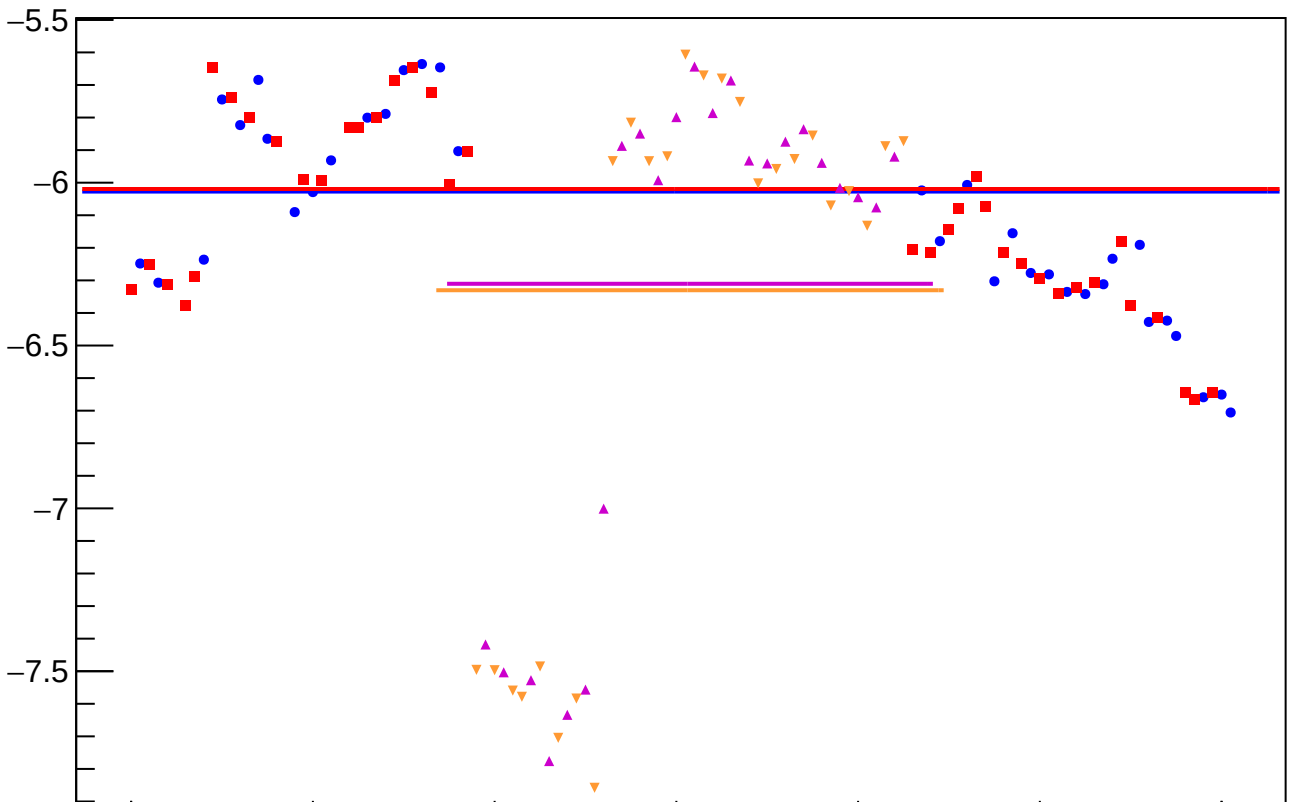
Right Out: 0.008+/-0.000 χ^2/NDF: 3066582.4/36

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4751595.4/58

All: 0.008+/-0.000 χ^2/NDF: 9136586.9/118

- sign 0.008+/-0.000 χ^2/NDF: 4382003.0/59



Right In: -6.027+/-0.000 χ^2/NDF: 22984721036.7/33

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.019+/-0.000 χ^2/NDF: 21938421647.7/36

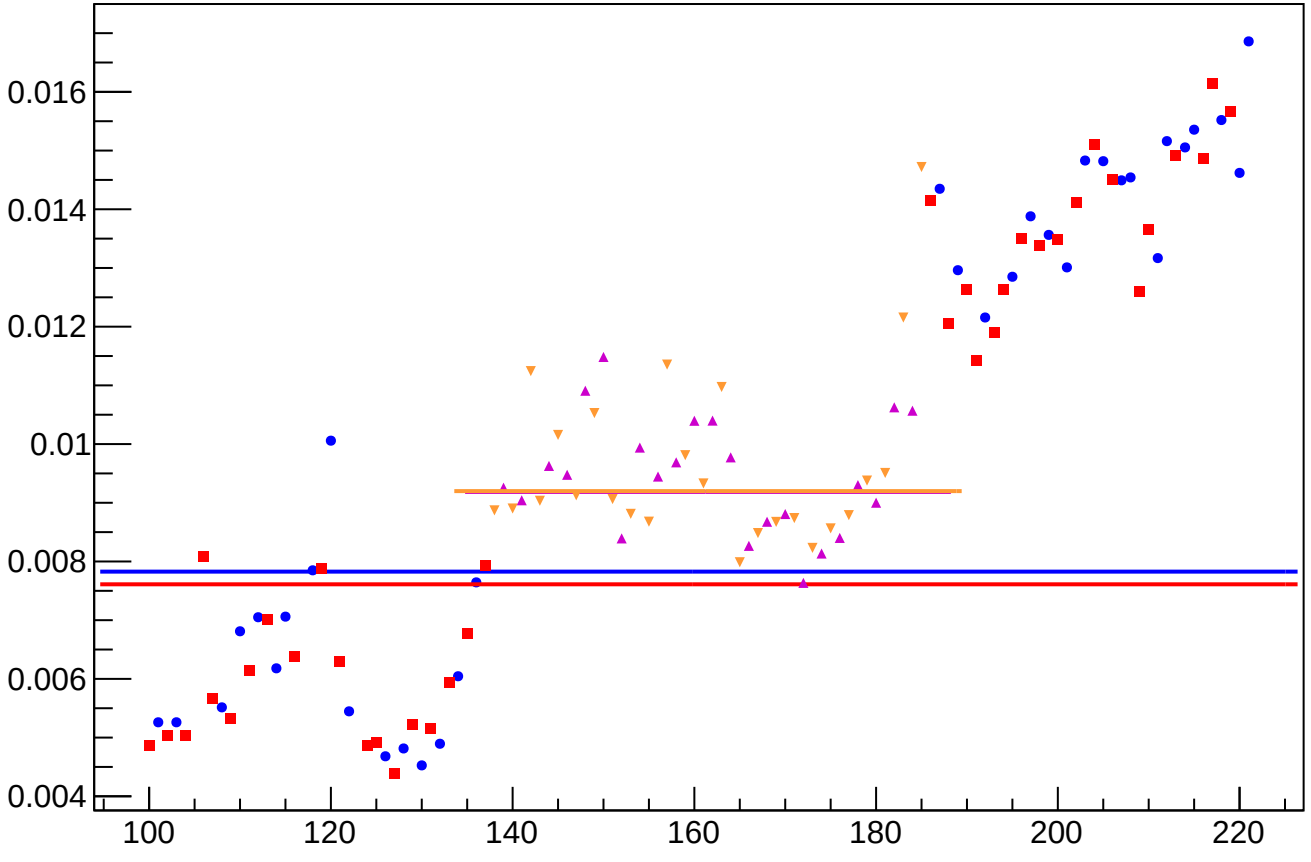
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.153+/-0.000 χ^2/NDF: 143559867152.2/58

All: -6.143+/-0.000 χ^2/NDF: 266675433893.9

- sign -6.134+/-0.000 χ^2/NDF: 123028776405.9/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8388789.9/33

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7574975.0/36

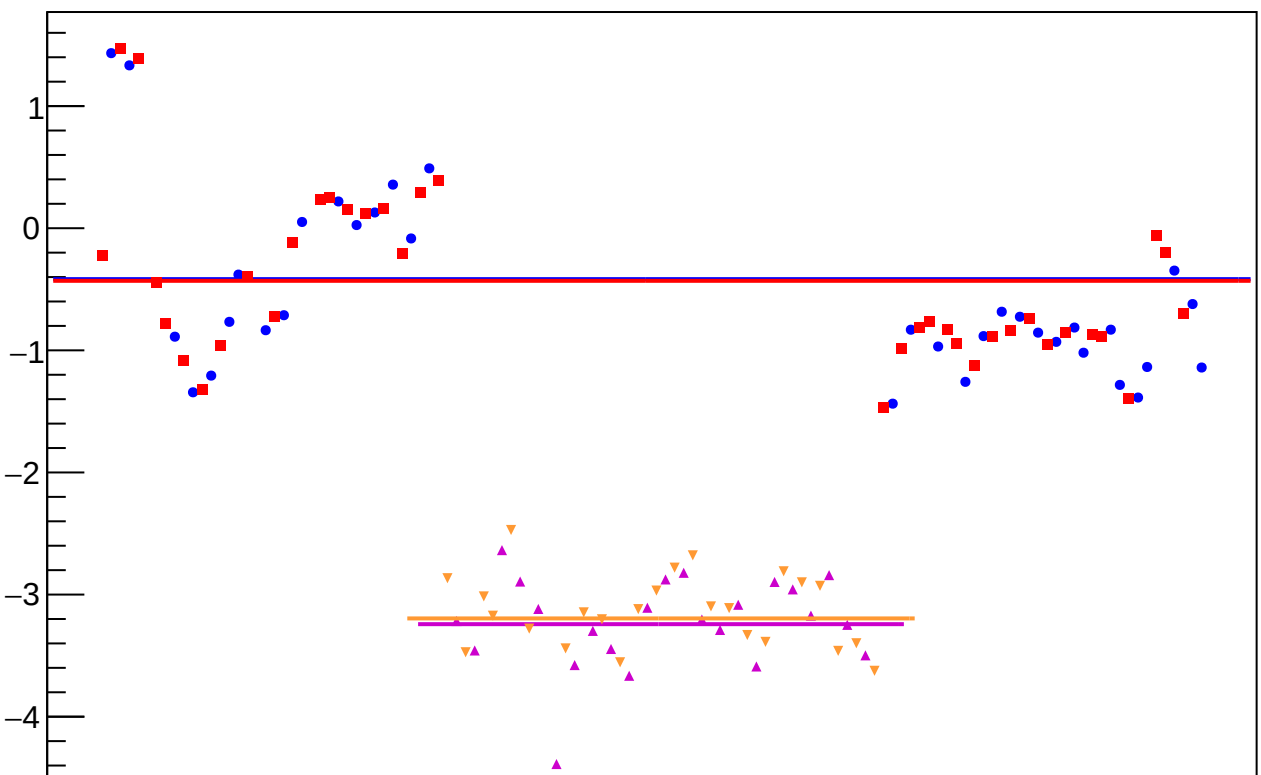
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 9175746.0/58

All: 0.008+/-0.000 χ^2/NDF: 17632202.9/118

- sign 0.008+/-0.000 χ^2/NDF: 8443429.5/59

yield_bpm0l02X_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF: 40681352614.7/33

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 38596198892.3/36

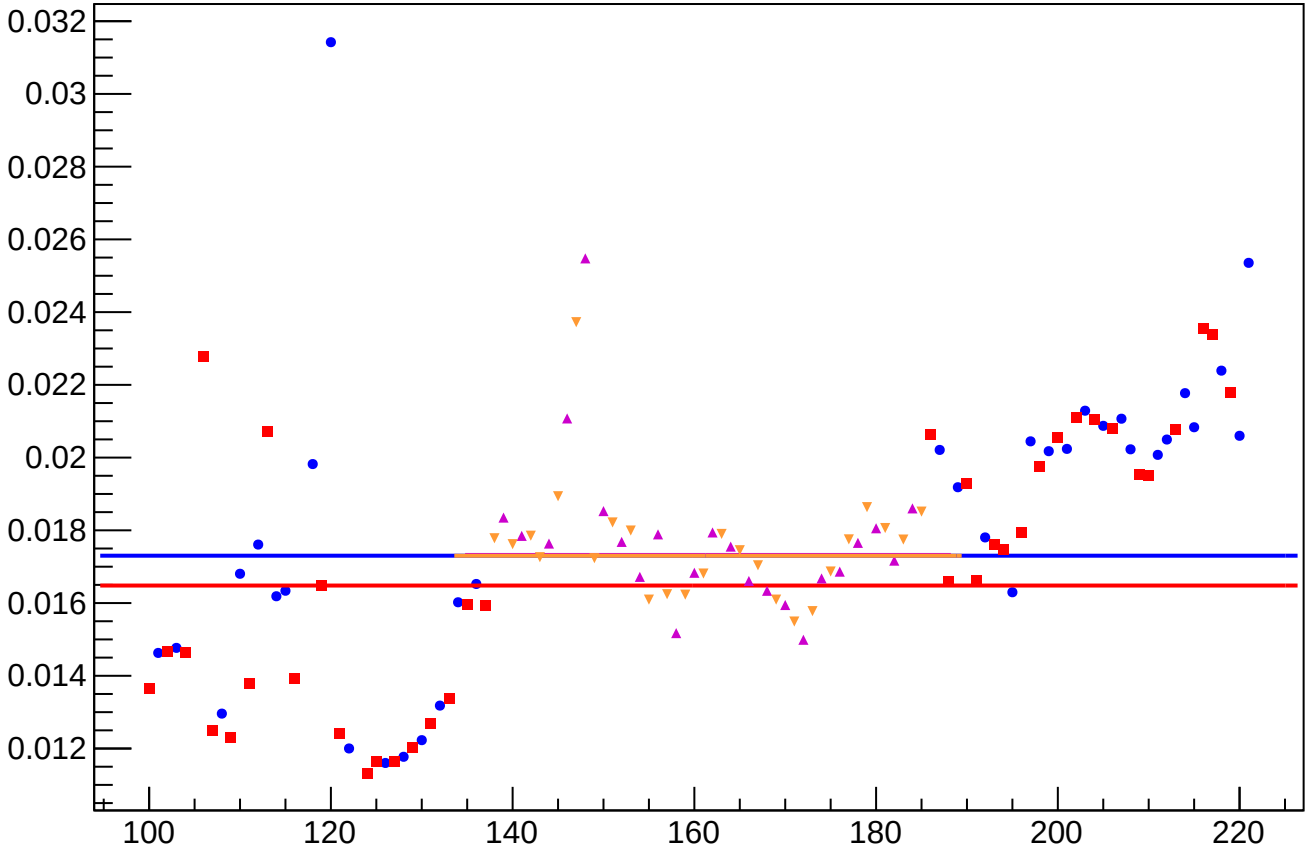
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.754+/-0.000 χ^2/NDF: 298714217060.5/58

All: -1.719+/-0.000 χ^2/NDF: 601381888662.6

- sign -1.685+/-0.000 χ^2/NDF: 302351731025.2/59

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1984238.4/33

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1948948.4/36

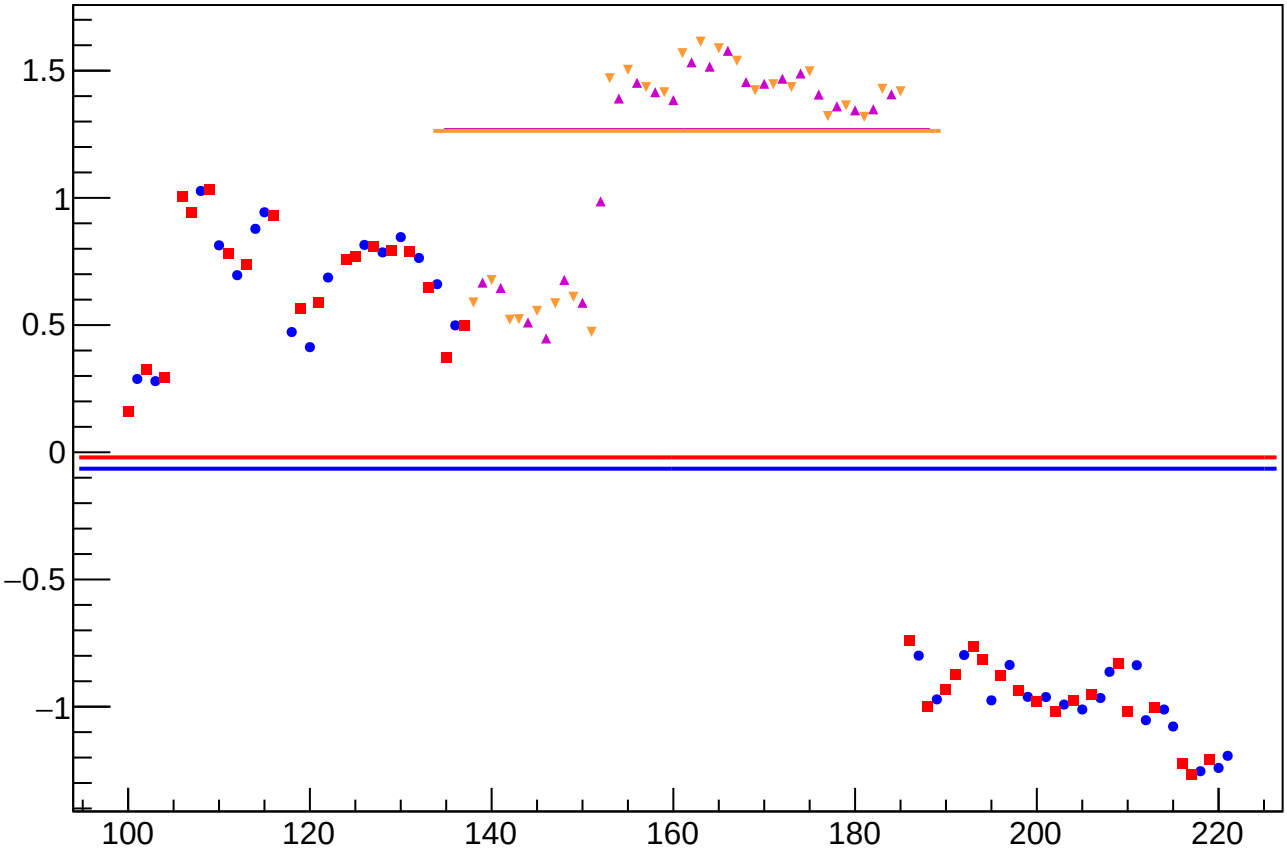
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 2202268.5/58

All: 0.017+/-0.000 χ^2/NDF: 4552593.1/118

- sign 0.017+/-0.000 χ^2/NDF: 2324599.9/59

yield_bpm0l02Y_mean vs Slug



Right In: -0.064+/-0.000 χ^2/NDF: 108460898271.6/33

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: -0.020+/-0.000 χ^2/NDF: 112625256755.3/36

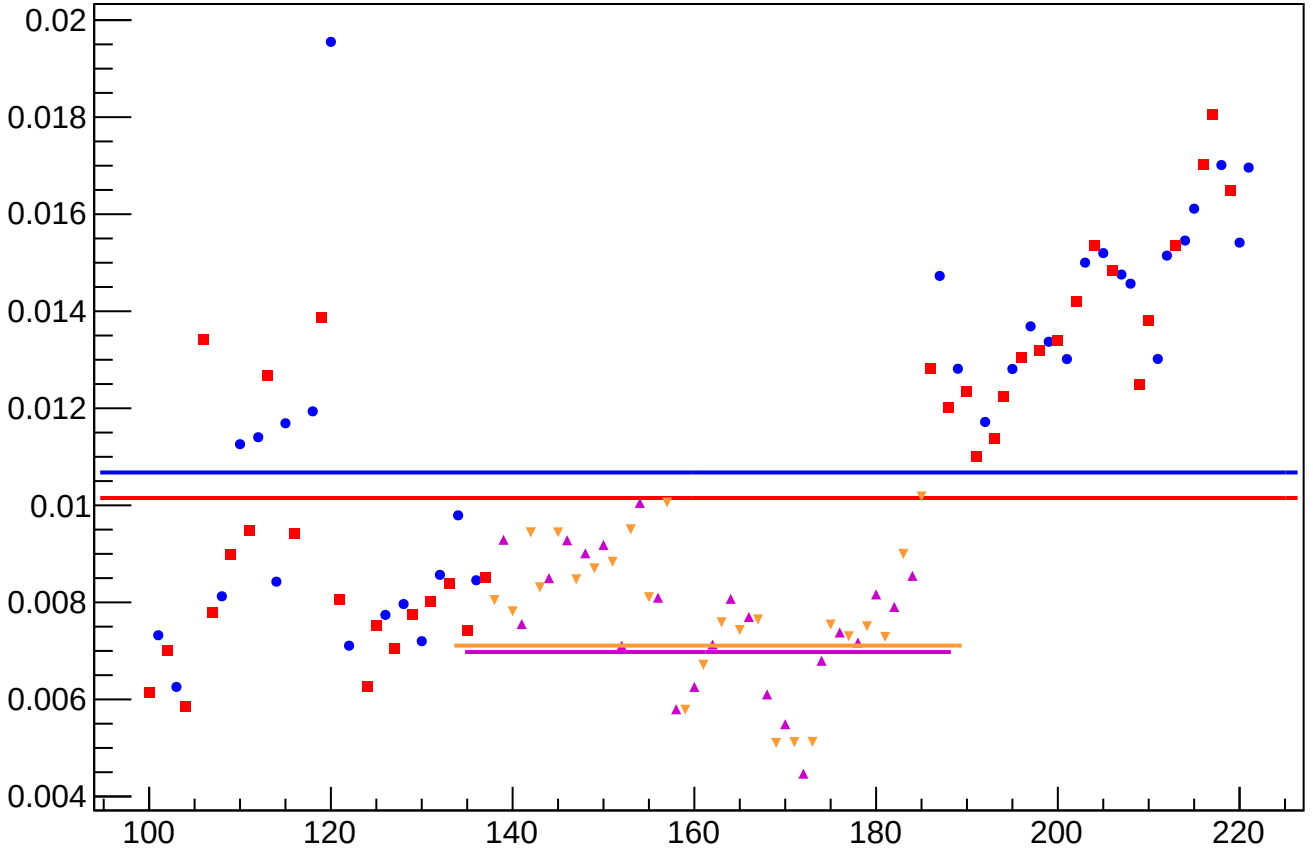
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.828+/-0.000 χ^2/NDF: 348760364414.6/58

All: 0.824+/-0.000 χ^2/NDF: 690678458936.9

- sign 0.821+/-0.000 χ^2/NDF: 341905571948.6/59

yield_bpm0l02Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 3979402.7/33

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

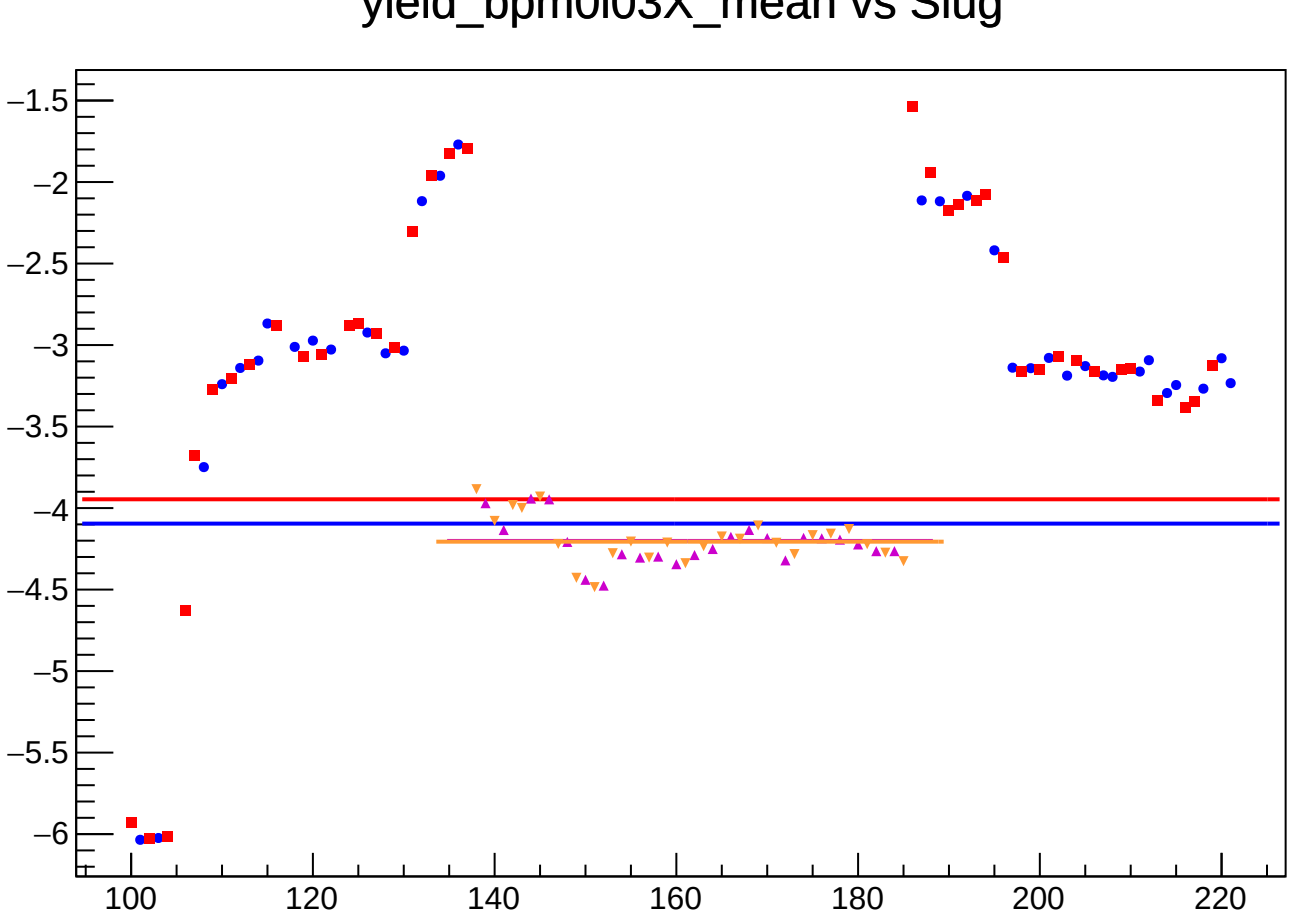
Right Out: 0.010+/-0.000 χ^2/NDF: 3873201.8/36

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 8310018.3/58

All: 0.008+/-0.000 χ^2/NDF: 15994436.4/118

- sign 0.008+/-0.000 χ^2/NDF: 7663571.9/59



Right In: -4.095+/-0.000 χ^2/NDF: 314090680452.4/33

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.946+/-0.000 χ^2/NDF: 310726733358.5/36

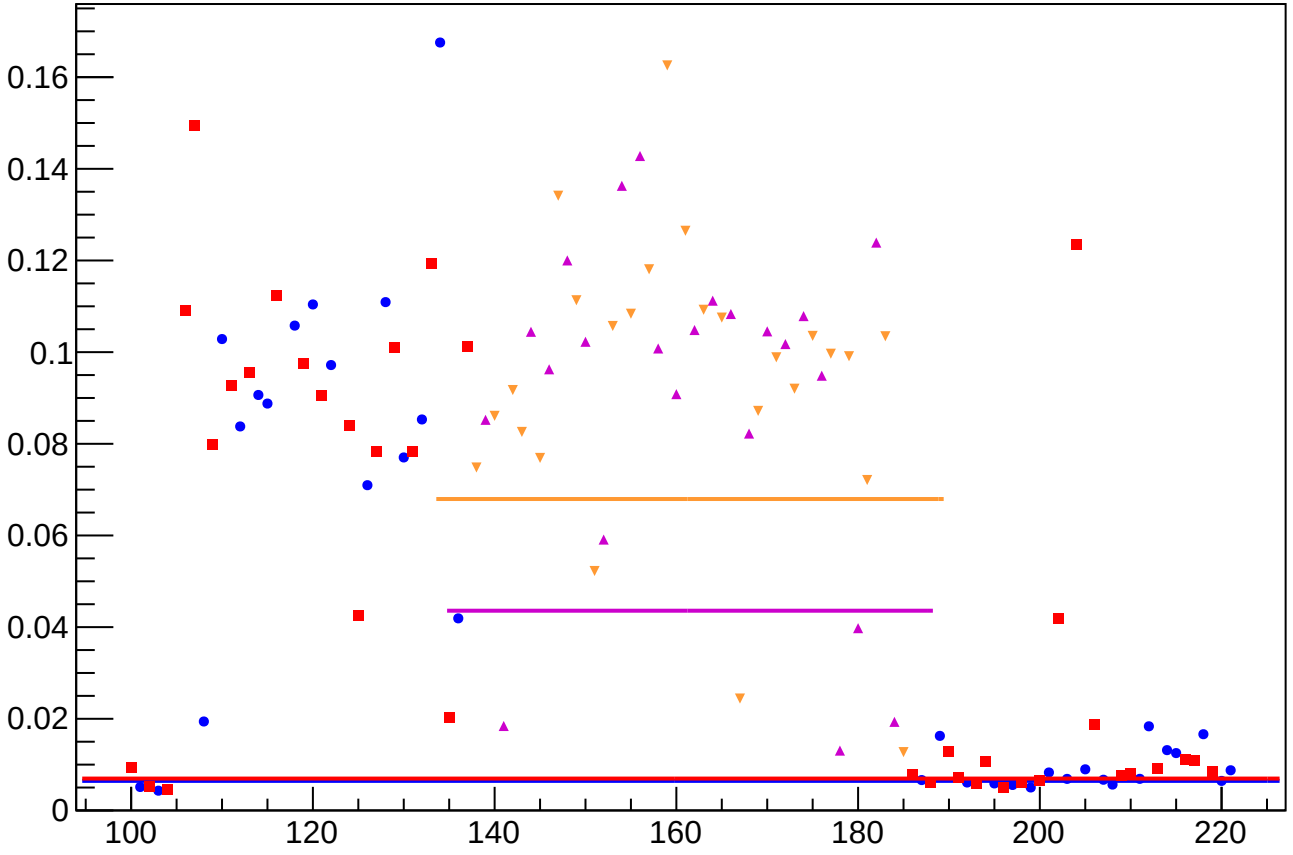
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.097+/-0.000 χ^2/NDF: 314184257390.9/58

All: -4.035+/-0.000 χ^2/NDF: 626442349484.5

- sign -3.956+/-0.000 χ^2/NDF: 311026795214.1/59

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 9660436.1/33

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10909047.3/36

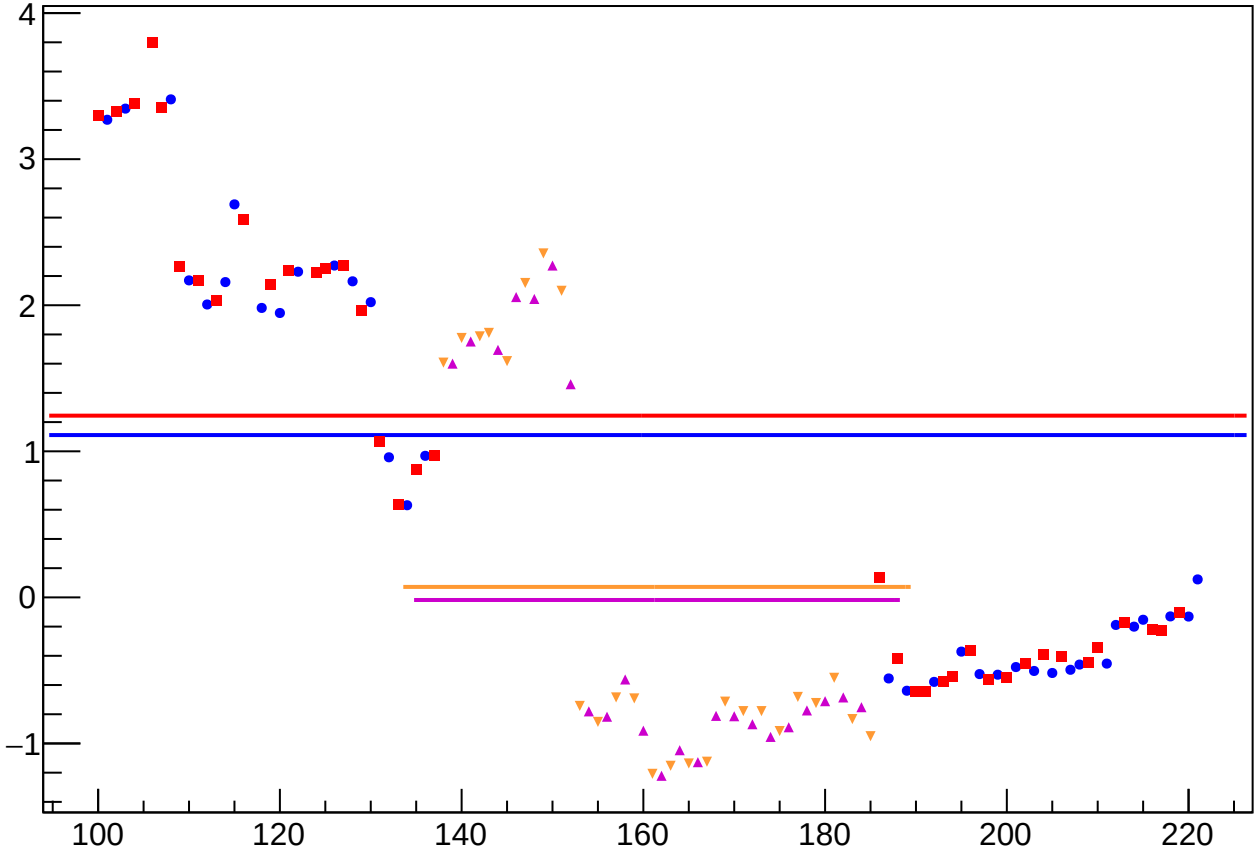
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 37032377.9/58

All: 0.008+/-0.000 χ^2/NDF: 71328776.3/118

- sign 0.008+/-0.000 χ^2/NDF: 34239388.5/59

yield_bpm0l03Y_mean vs Slug



Right In: 1.111+/-0.000 χ^2/NDF: 249105863011.1/33

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.244+/-0.000 χ^2/NDF: 224654900209.0/36

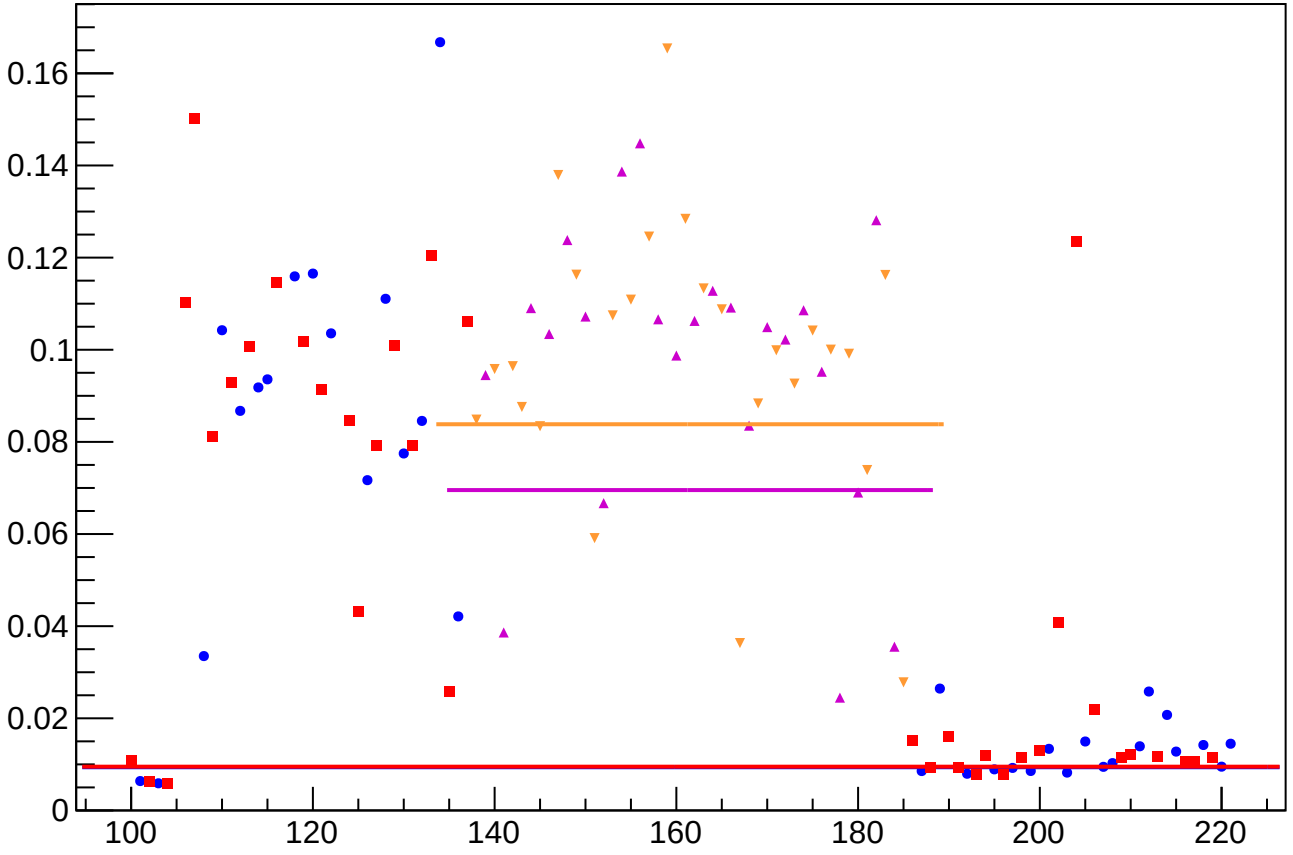
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.083+/-0.000 χ^2/NDF: 254904836414.3/58

All: 1.138+/-0.000 χ^2/NDF: 487165445651.7

- sign 1.200+/-0.000 χ^2/NDF: 231766039959.7/59

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9494894.6/33

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

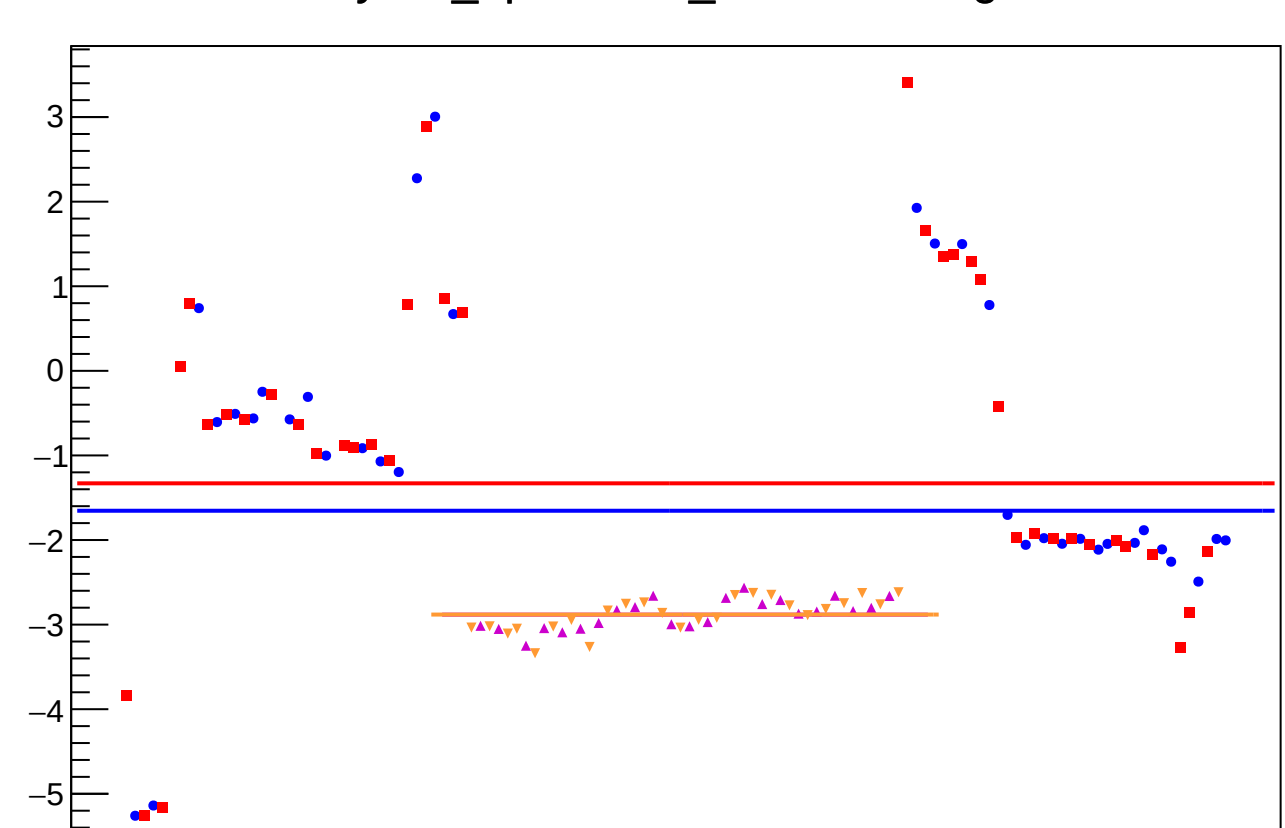
Right Out: 0.010+/-0.000 χ^2/NDF: 10552116.6/36

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35521841.9/58

All: 0.011+/-0.000 χ^2/NDF: 69323311.9/118

- sign 0.012+/-0.000 χ^2/NDF: 33798165.2/59



Right In: -1.654+/-0.000 χ^2/NDF: 211341904656.0/33

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.330+/-0.000 χ^2/NDF: 246180012537.6/36

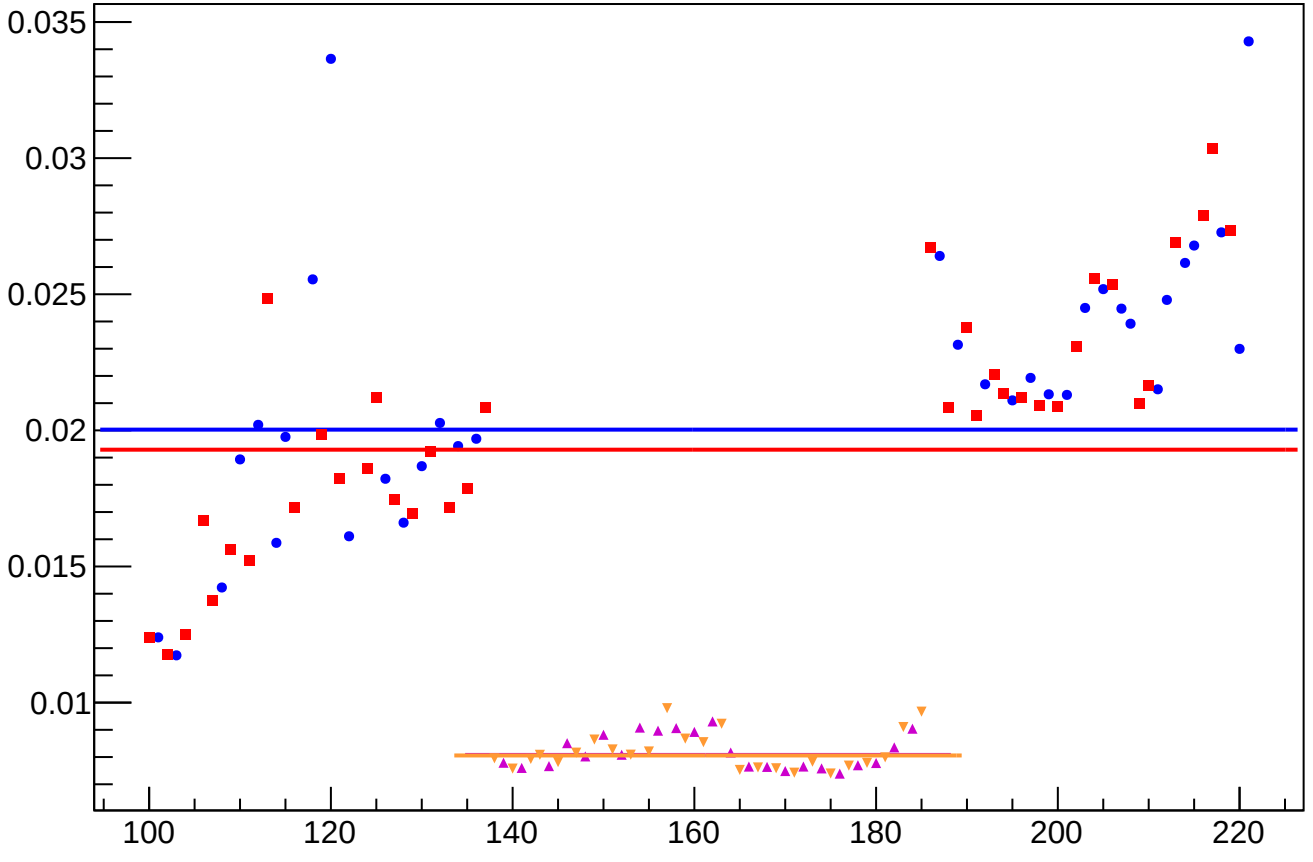
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.705+/-0.000 χ^2/NDF: 283205365207.4/58

All: -2.671+/-0.000 χ^2/NDF: 641253002552.1

- sign -2.635+/-0.000 χ^2/NDF: 357246493504.4/59

yield_bpm0l04X_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 2486134.9/33

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 2231663.1/36

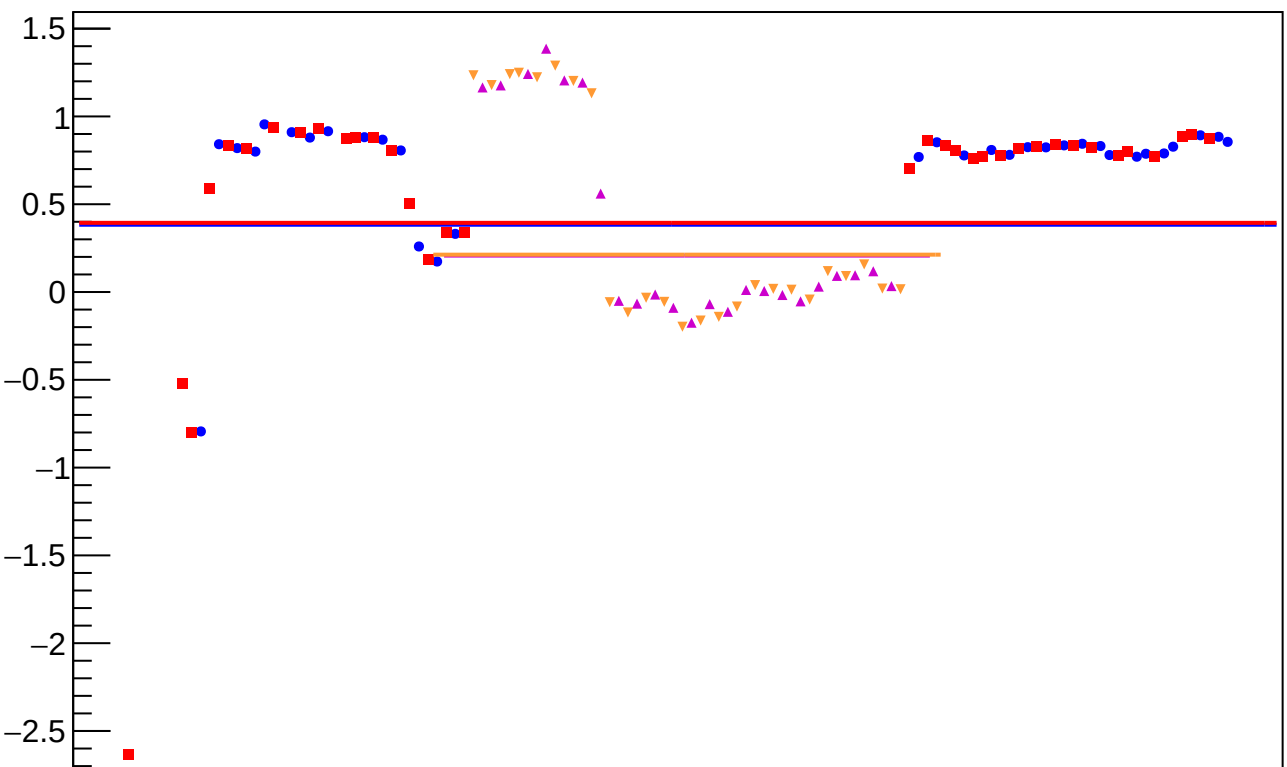
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 14333831.9/58

All: 0.010+/-0.000 χ^2/NDF: 27469589.4/118

- sign 0.010+/-0.000 χ^2/NDF: 13133109.1/59

yield_bpm0l04Y_mean vs Slug



Right In: 0.383+/-0.000 χ^2/NDF: 996662338560.1/33

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

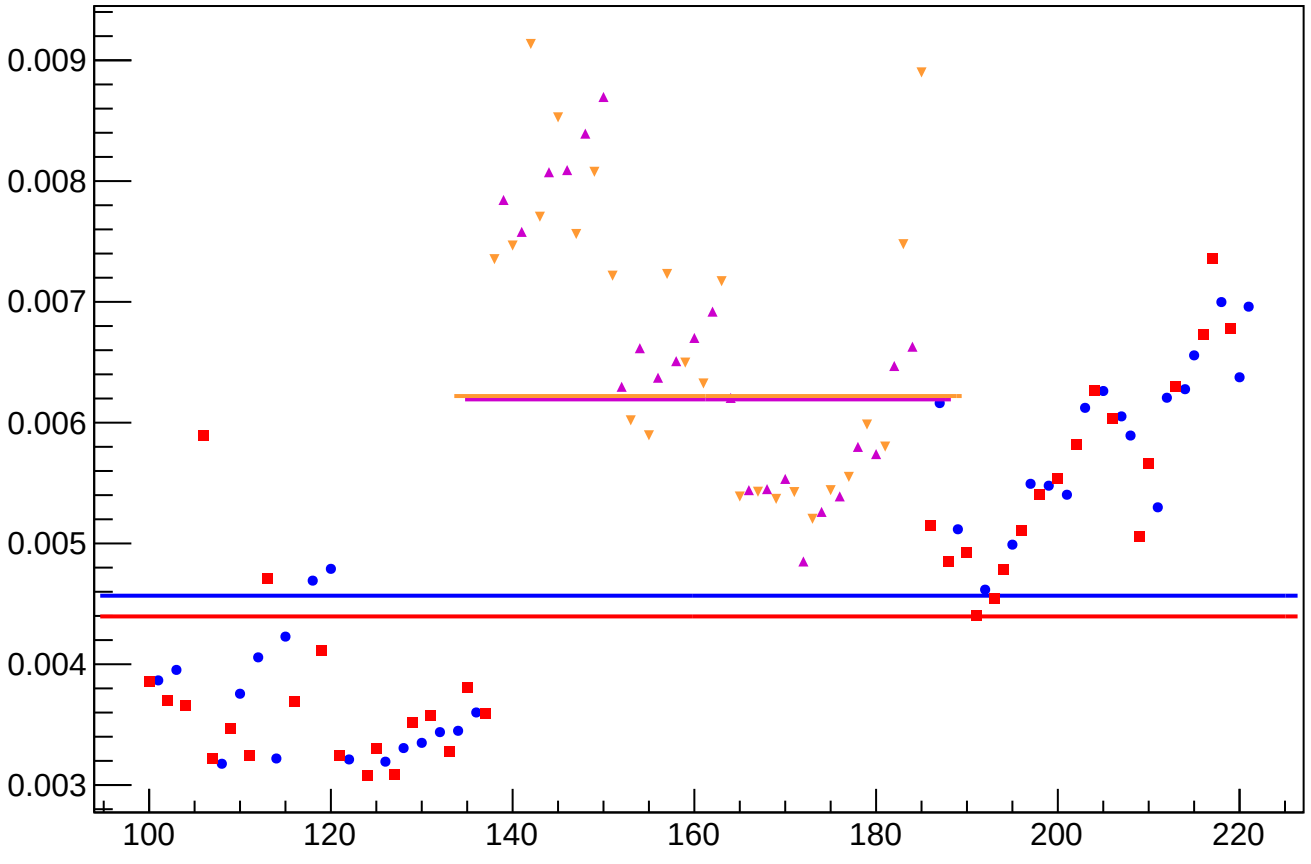
Right Out: 0.394+/-0.000 χ^2/NDF: 1073406355713.7/36

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.330+/-0.000 χ^2/NDF: 1108075582966.9/58

All: 0.335+/-0.000 χ^2/NDF: 2278824648385.

- sign 0.339+/-0.000 χ^2/NDF: 1170685613631.9/59



Right In: 0.005+/-0.000 χ^2/NDF: 2773417.5/33

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

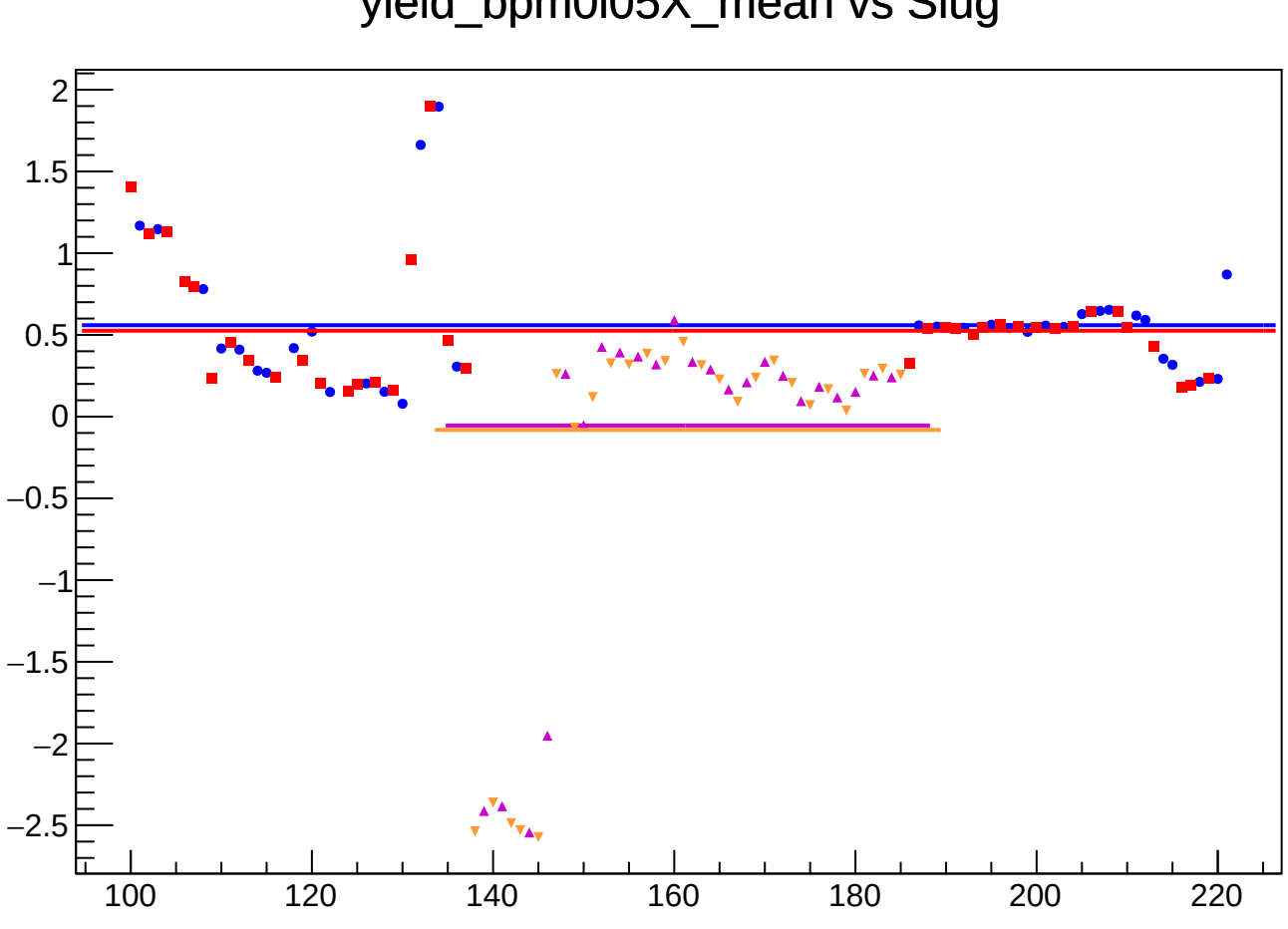
Right Out: 0.004+/-0.000 χ^2/NDF: 2561354.9/36

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 5203208.8/58

All: 0.005+/-0.000 χ^2/NDF: 10506235.0/118

- sign 0.005+/-0.000 χ^2/NDF: 5265797.7/59



Right In: 0.559+/-0.000 χ^2/NDF: 74779627855.2/33

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.526+/-0.000 χ^2/NDF: 68304221037.5/36

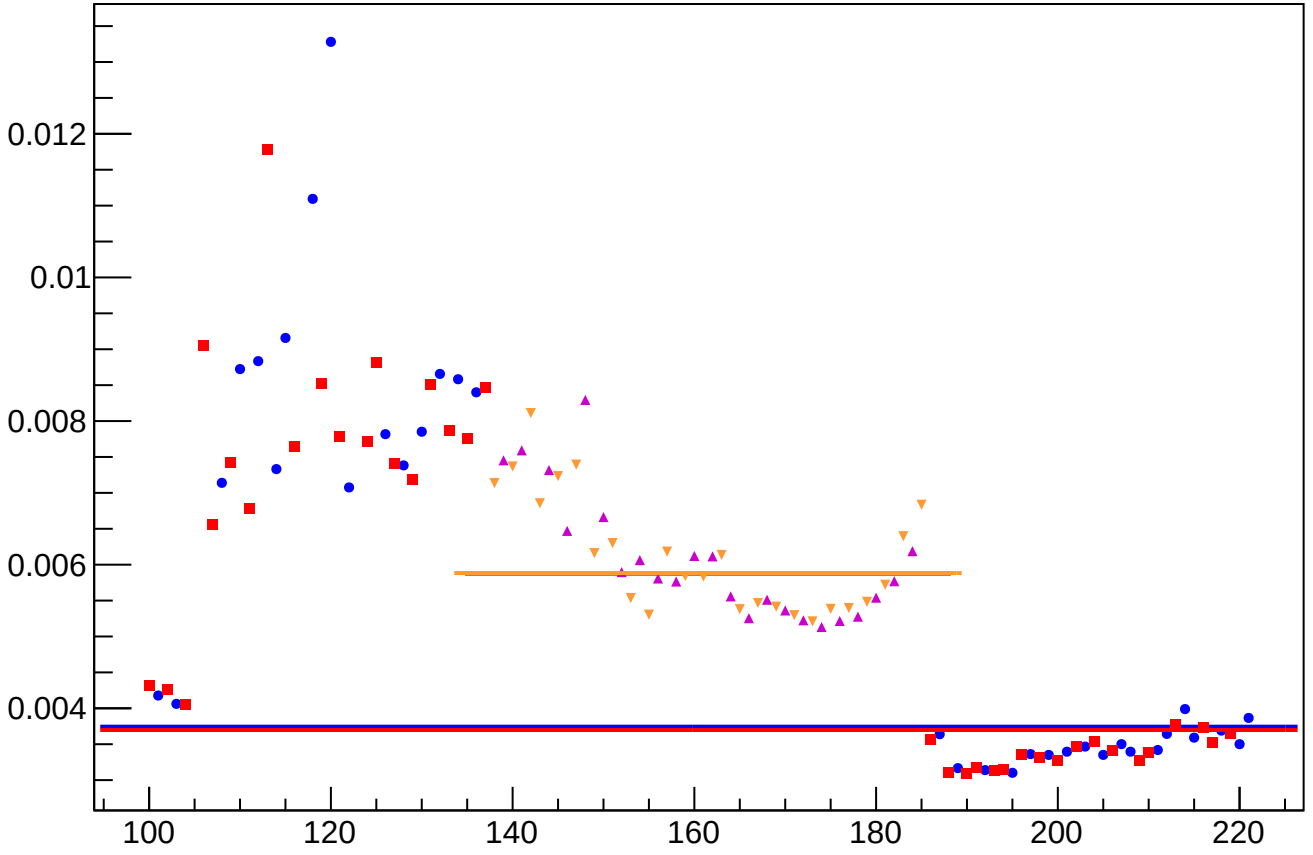
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.384+/-0.000 χ^2/NDF: 613952823519.1/58

All: 0.378+/-0.000 χ^2/NDF: 1149539111825.

- sign 0.372+/-0.000 χ^2/NDF: 535469155179.6/59

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3506335.9/33

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

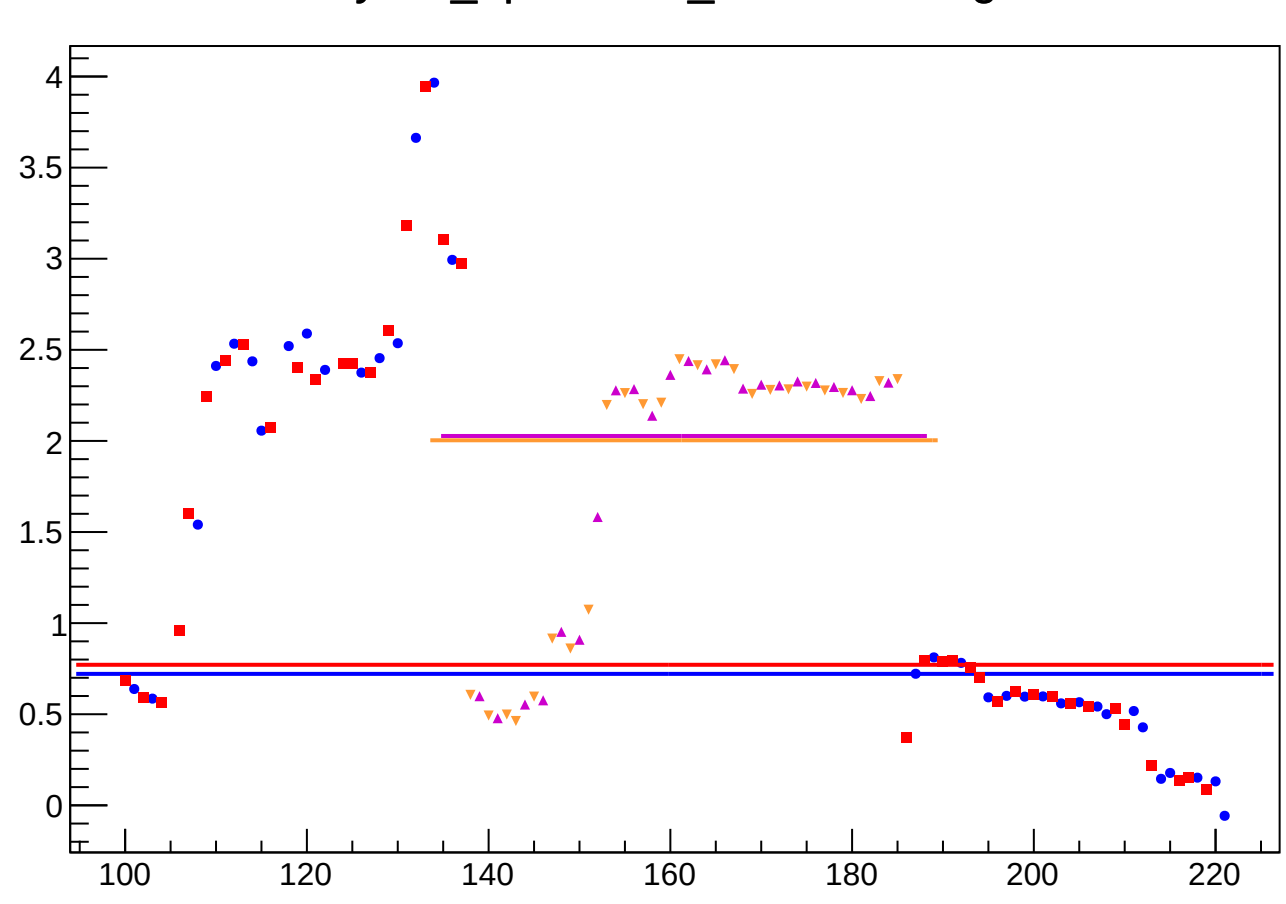
Right Out: 0.004+/-0.000 χ^2/NDF: 3484507.8/36

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 7330544.8/58

All: 0.004+/-0.000 χ^2/NDF: 14724129.4/118

- sign 0.004+/-0.000 χ^2/NDF: 7387399.6/59



Right In: 0.721+/-0.000 χ^2/NDF: 297936935874.8/33

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.771+/-0.000 χ^2/NDF: 321107503811.2/36

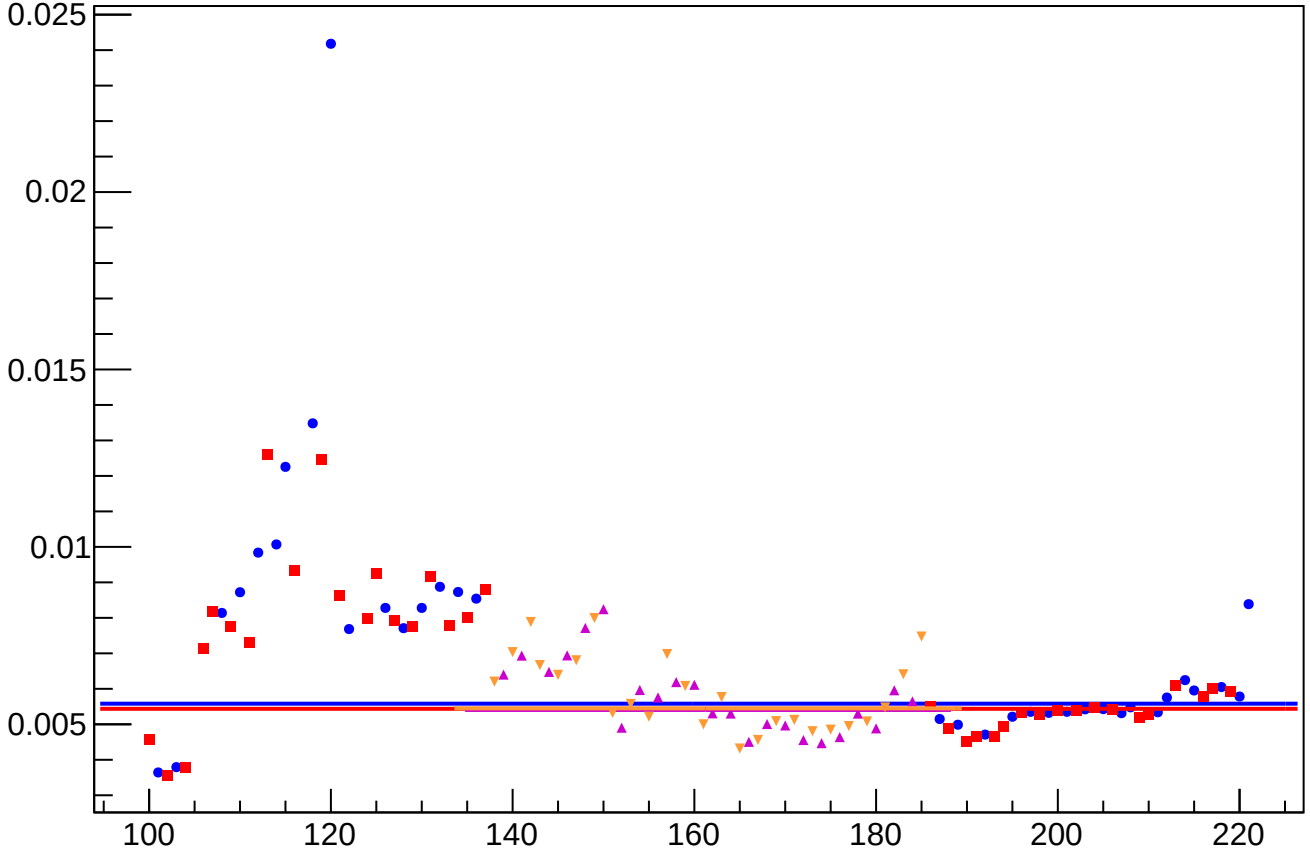
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.328+/-0.000 χ^2/NDF: 994568175675.8/58

All: 1.334+/-0.000 χ^2/NDF: 1969256146212.

- sign 1.339+/-0.000 χ^2/NDF: 974617540179.4/59

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2573056.6/33

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2189101.8/36

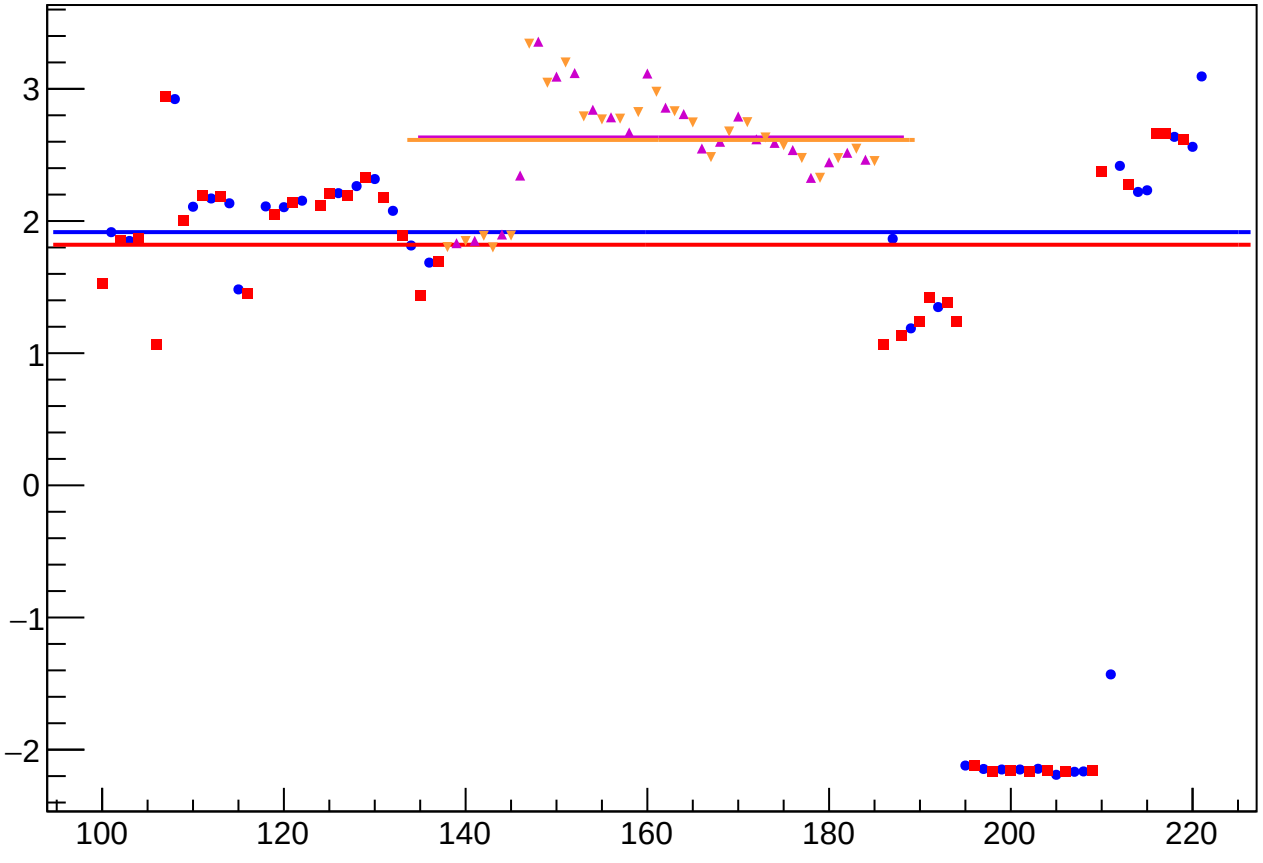
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3354648.1/58

All: 0.005+/-0.000 χ^2/NDF: 6370321.6/118

- sign 0.005+/-0.000 χ^2/NDF: 3004834.3/59

yield_bpm0l06X_mean vs Slug



Right In: 1.916+/-0.000 χ^2/NDF: 200646042122.5/33

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.820+/-0.000 χ^2/NDF: 177576513279.7/36

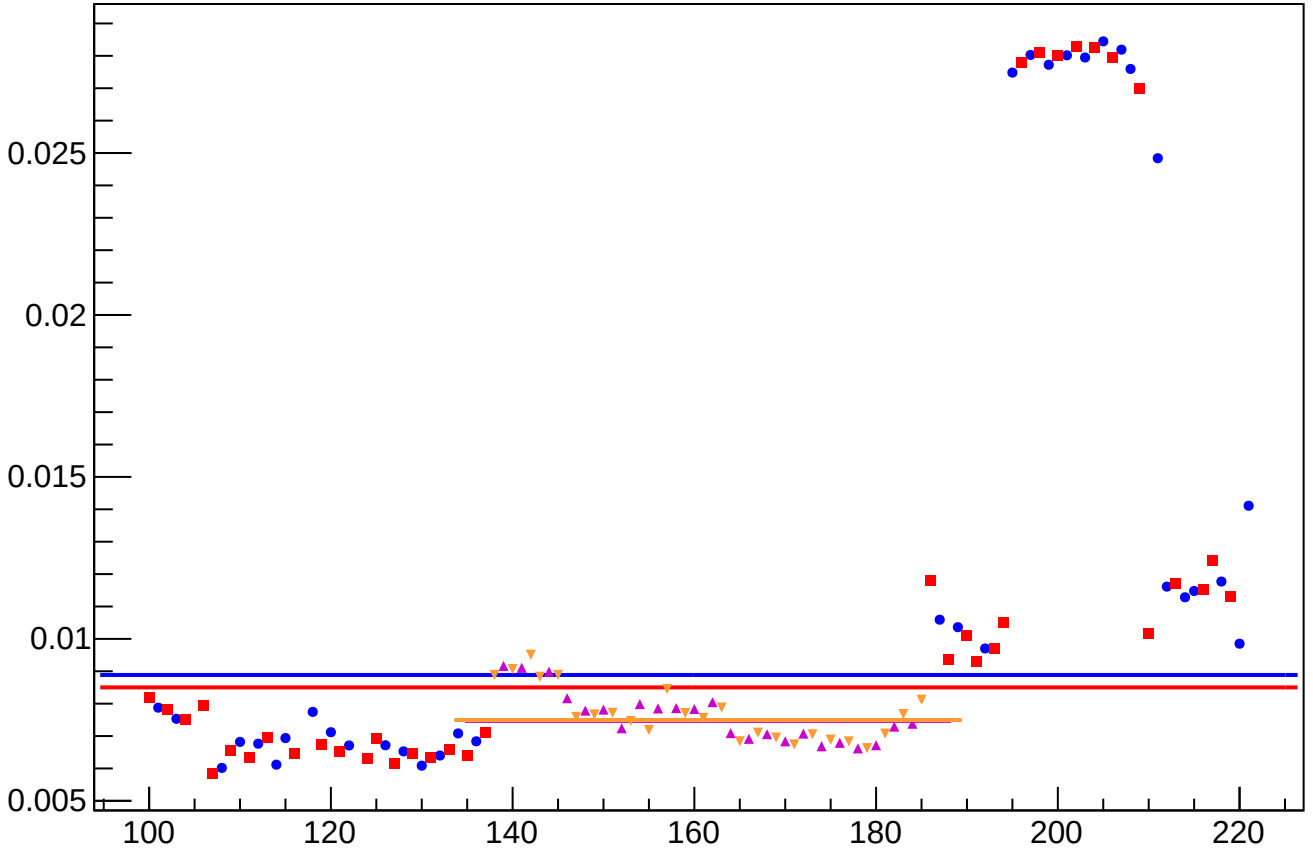
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.337+/-0.000 χ^2/NDF: 309286085411.8/58

All: 2.311+/-0.000 χ^2/NDF: 615655542687.4

- sign 2.285+/-0.000 χ^2/NDF: 305628993549.4/59

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9042553.5/33

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7780181.7/36

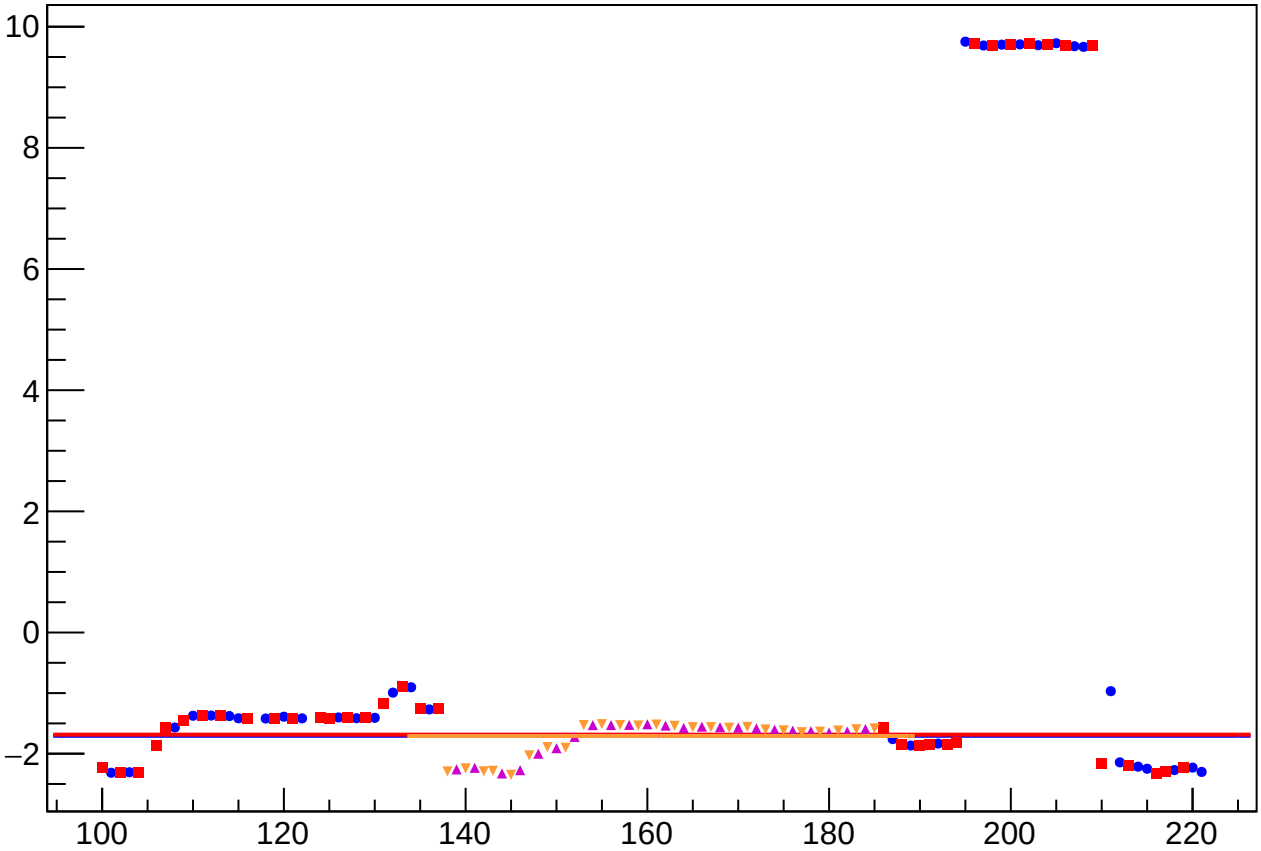
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 9870383.3/58

All: 0.008+/-0.000 χ^2/NDF: 18266745.8/118

- sign 0.008+/-0.000 χ^2/NDF: 8386434.5/59

yield_bpm0l06Y_mean vs Slug



Right In: -1.705+/-0.000 χ^2/NDF: 515444180454.9/33

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.686+/-0.000 χ^2/NDF: 477392960406.4/36

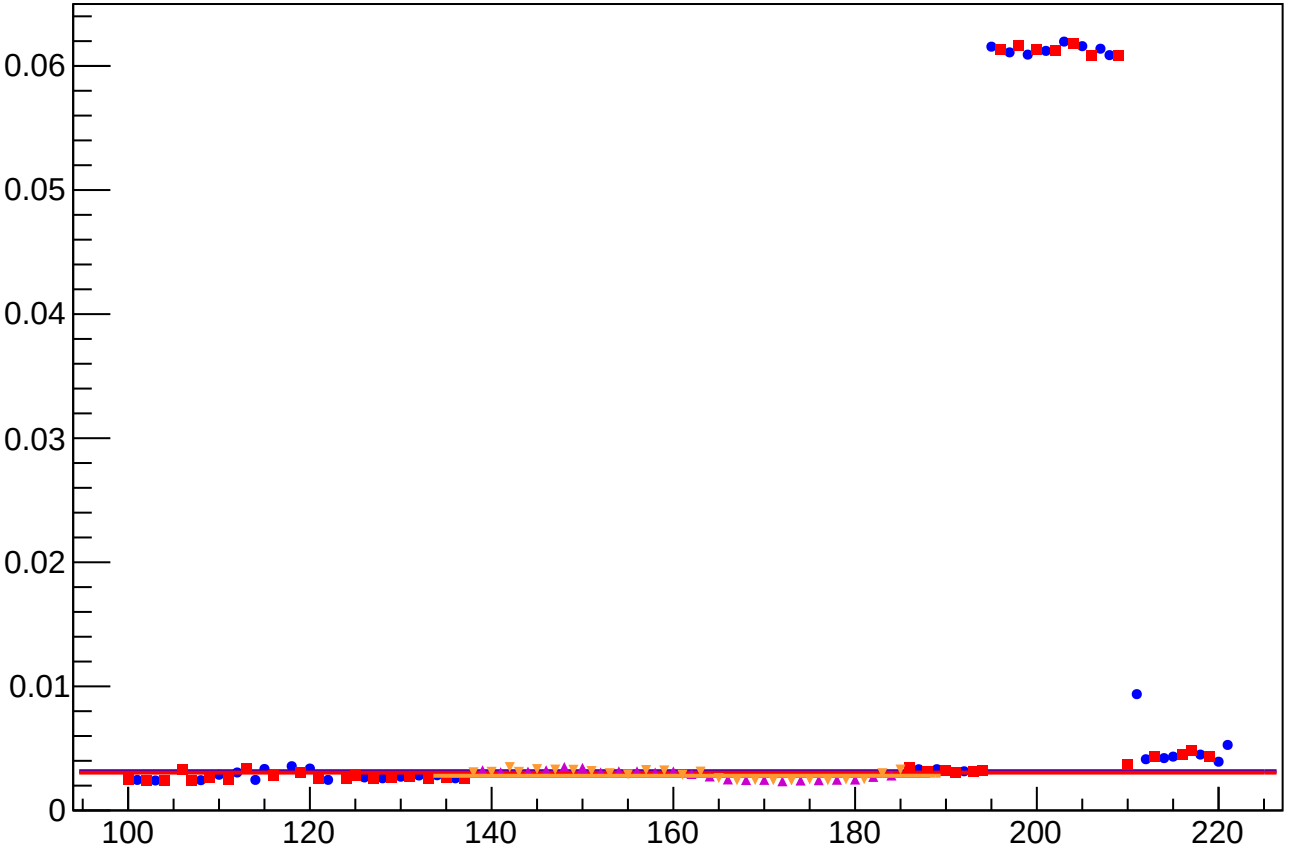
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.706+/-0.000 χ^2/NDF: 667297469992.9/58

All: -1.702+/-0.000 χ^2/NDF: 1281723709463

- sign -1.697+/-0.000 χ^2/NDF: 614274387726.6/59

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 14025449.7/33

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

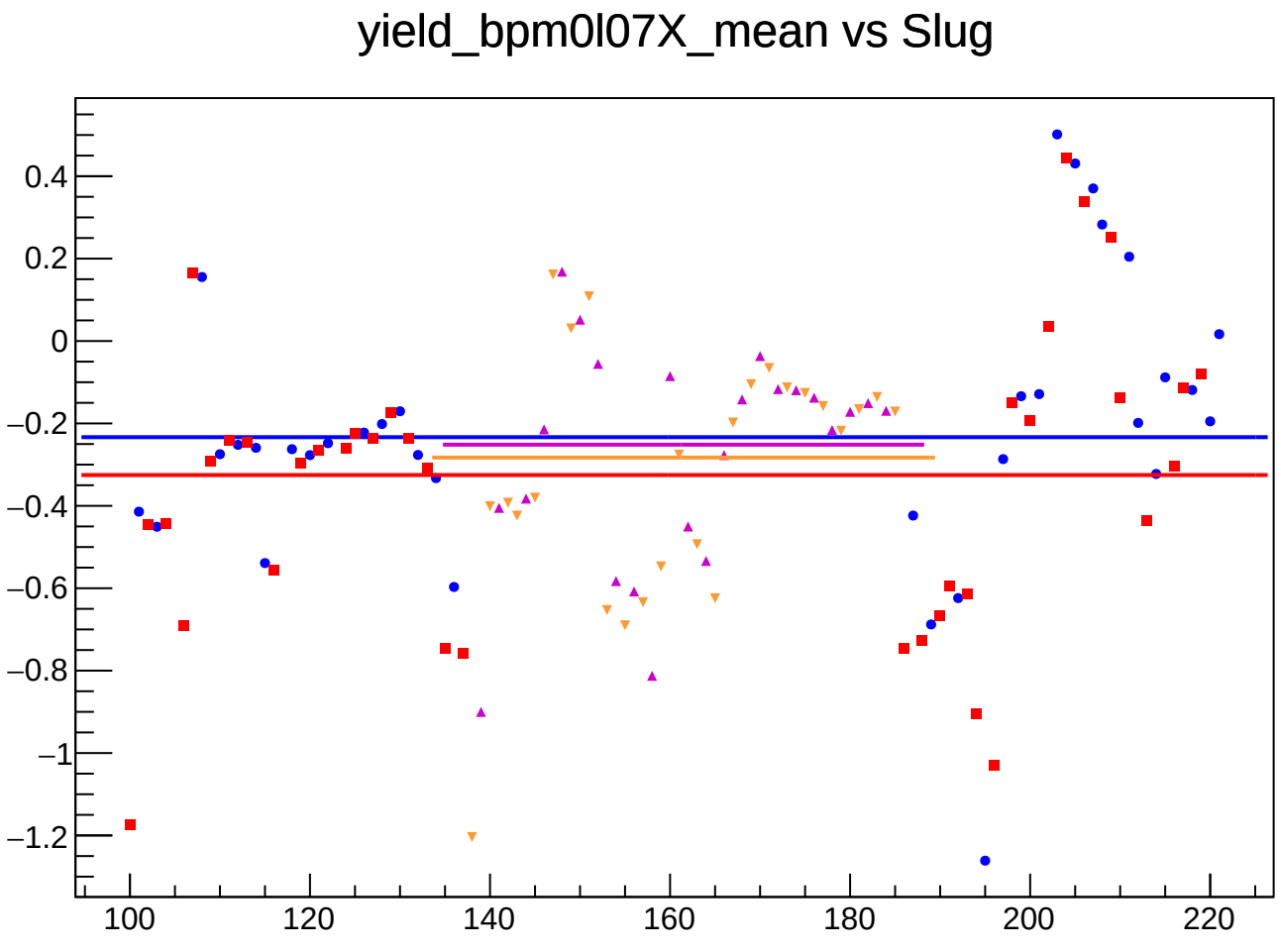
Right Out: 0.003+/-0.000 χ^2/NDF: 12301593.1/36

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 14799225.2/58

All: 0.003+/-0.000 χ^2/NDF: 27792380.4/118

- sign 0.003+/-0.000 χ^2/NDF: 12987686.9/59



Right In: -0.233+/-0.000 χ^2/NDF: 9889806573.8/33

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.325+/-0.000 χ^2/NDF: 10112606325.6/36

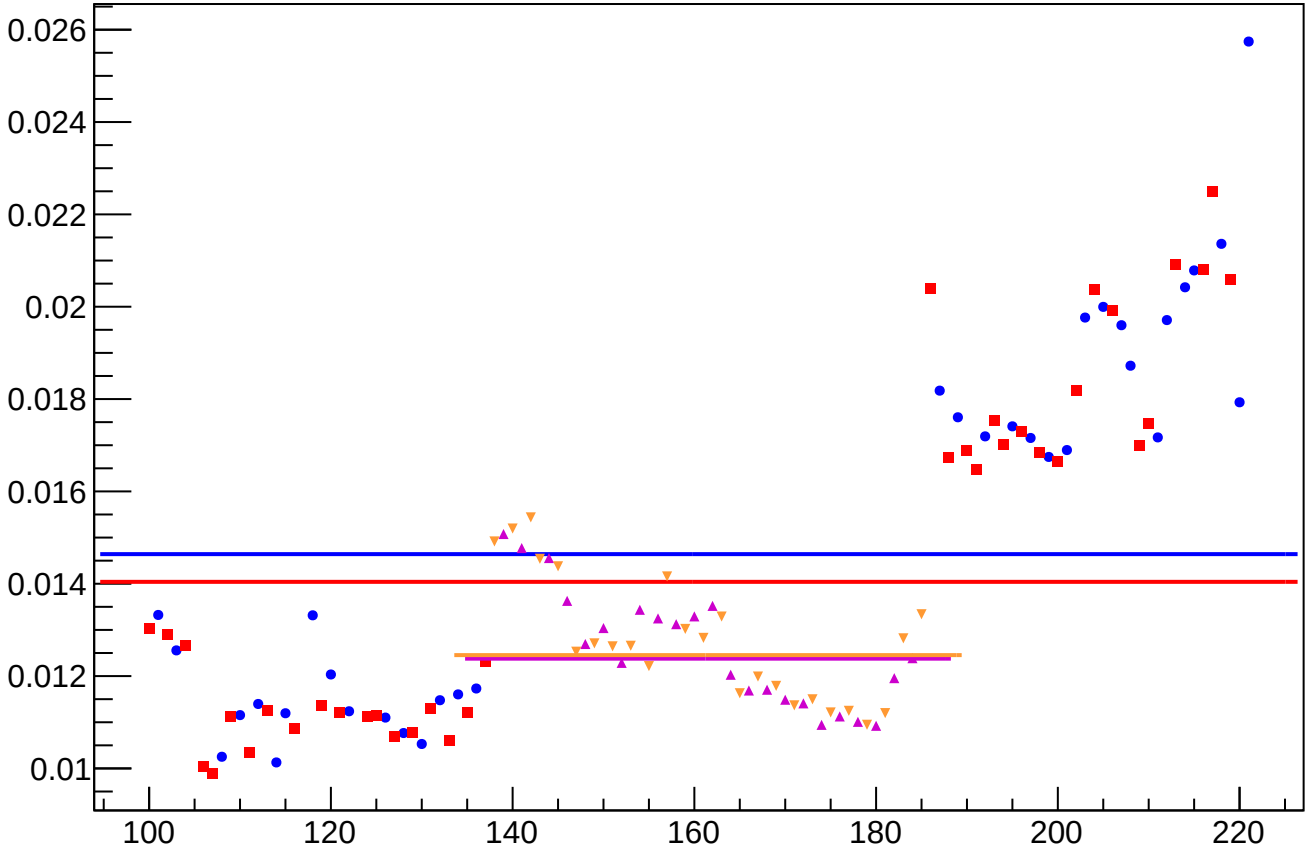
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.261+/-0.000 χ^2/NDF: 19359921621.3/58

All: -0.274+/-0.000 χ^2/NDF: 36991022053.3/

- sign -0.286+/-0.000 χ^2/NDF: 17565965171.2/59

yield_bpm0l07X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2727583.6/33

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2707703.2/36

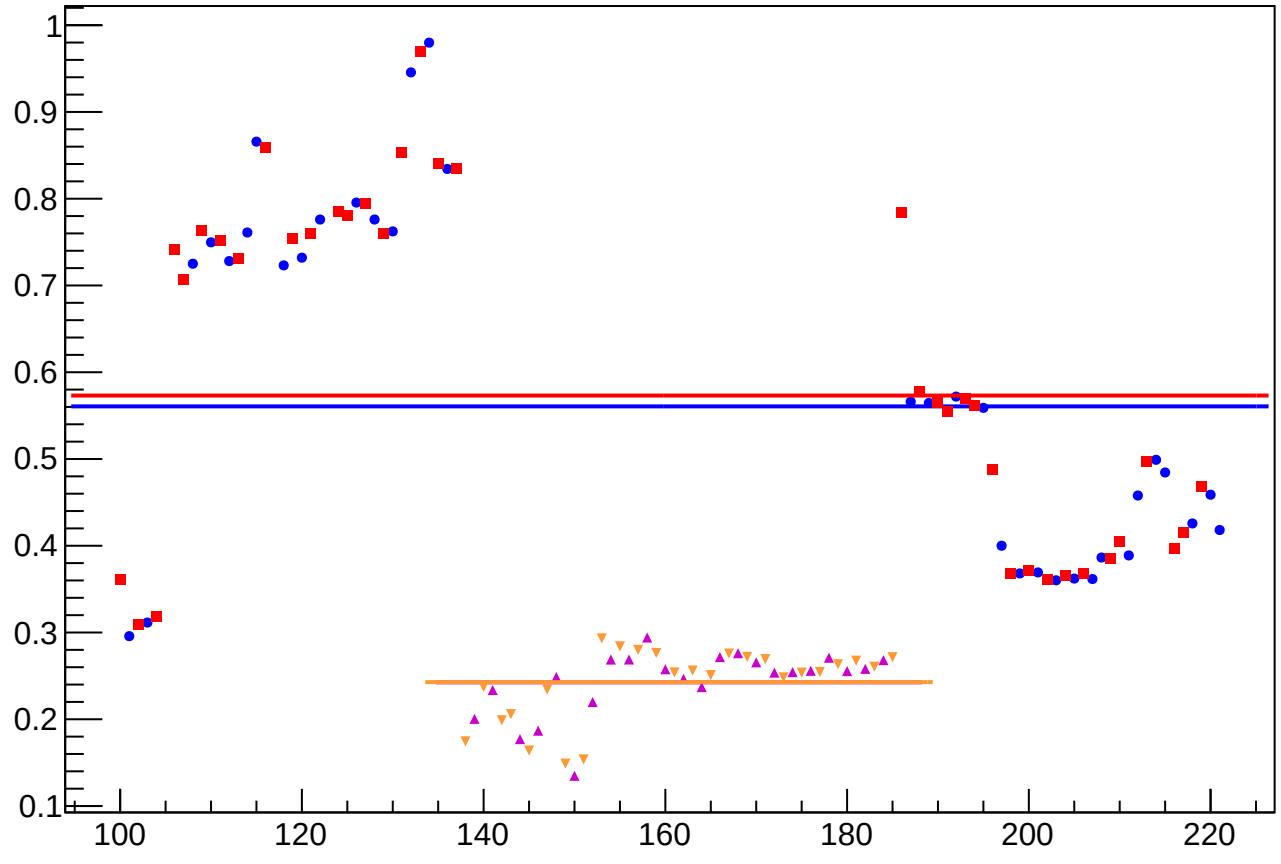
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 3564424.4/58

All: 0.013+/-0.000 χ^2/NDF: 6905234.4/118

- sign 0.013+/-0.000 χ^2/NDF: 3326138.9/59

yield_bpm0l07Y_mean vs Slug



Right In: 0.561+/-0.000 χ^2/NDF: 101918501309.3/33

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.573+/-0.000 χ^2/NDF: 97466053920.7/36

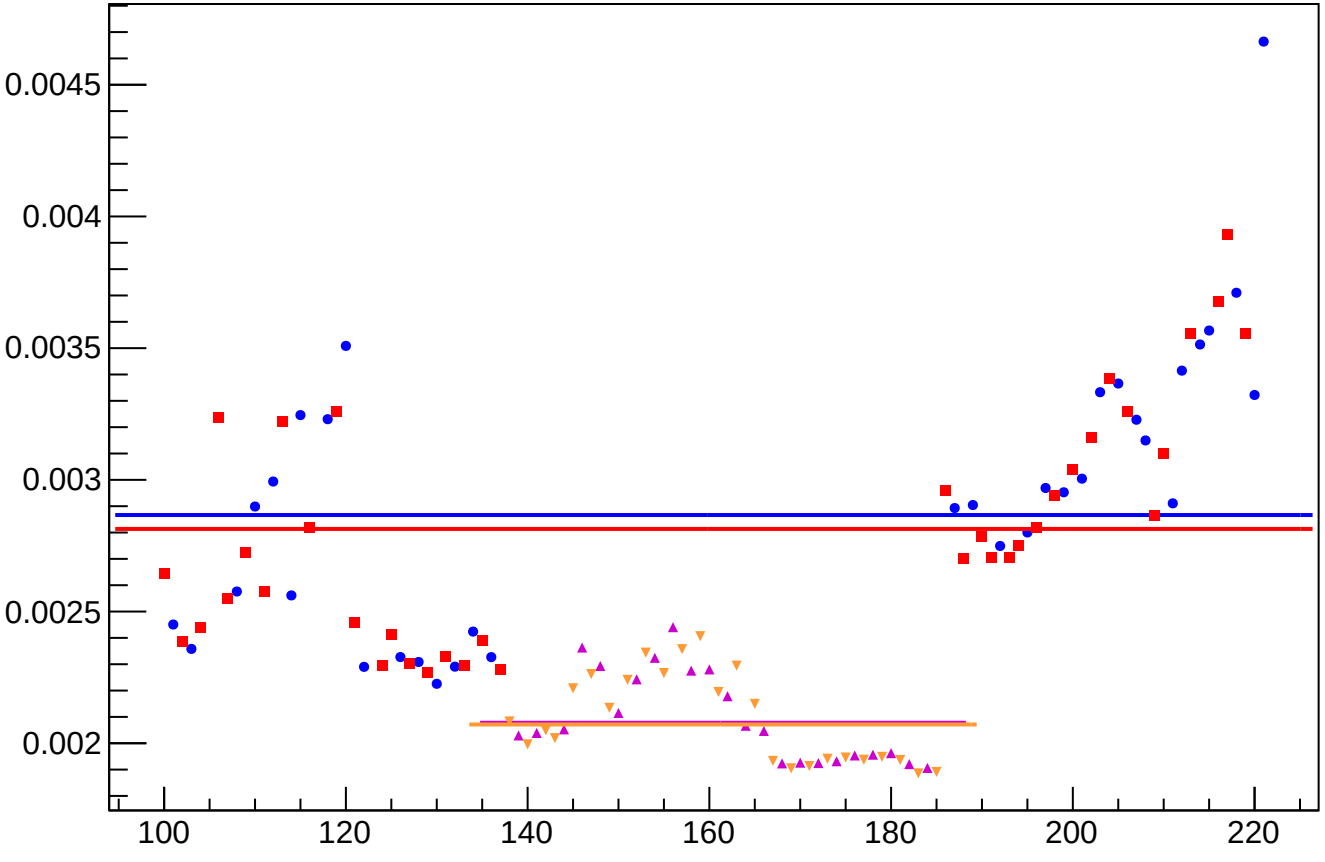
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.358+/-0.000 χ^2/NDF: 271534560309.0/58

All: 0.363+/-0.000 χ^2/NDF: 549033554377.6

- sign 0.368+/-0.000 χ^2/NDF: 277117487949.2/59

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1232890.5/33

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

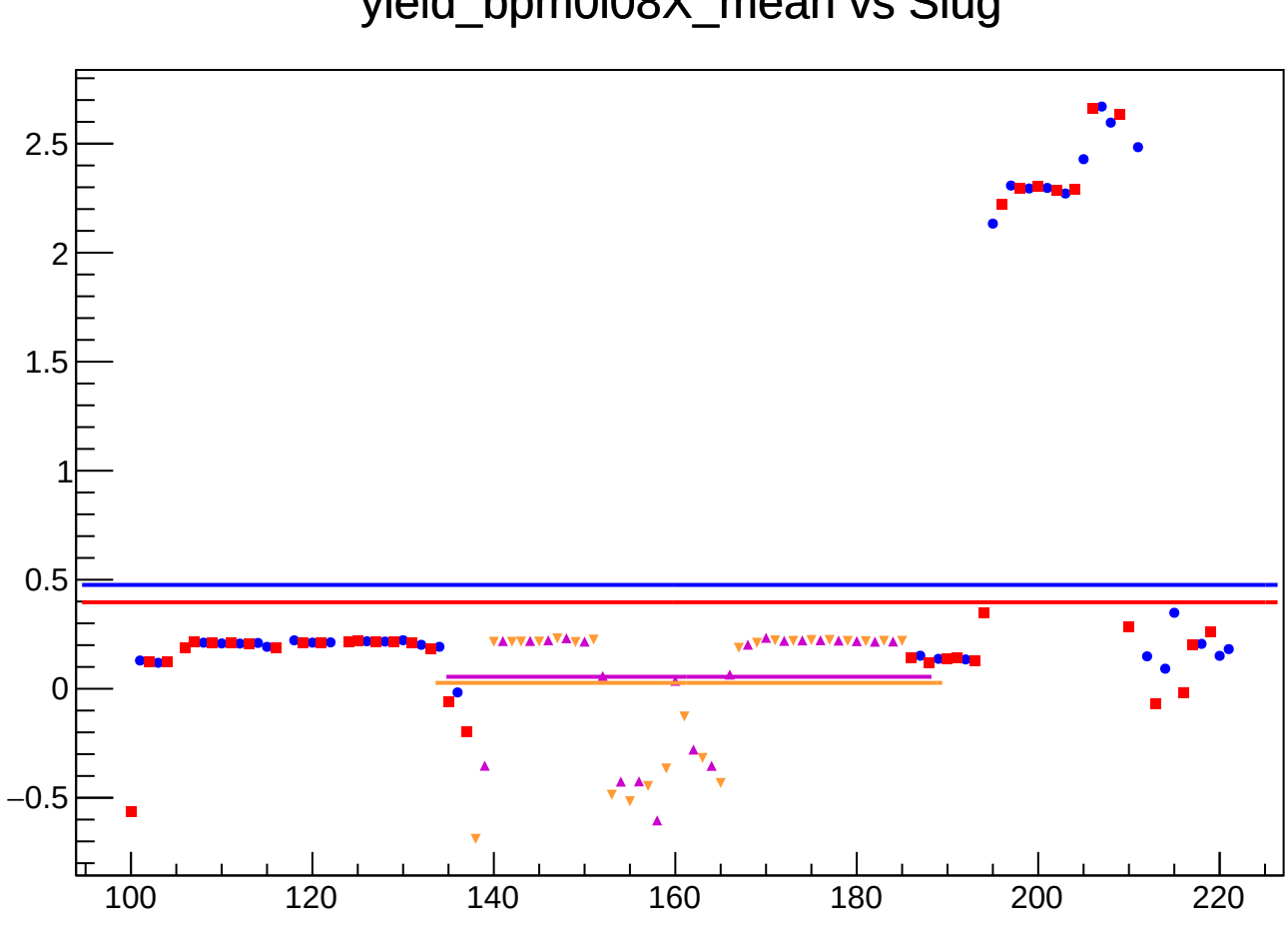
Right Out: 0.003+/-0.000 χ^2/NDF: 902833.6/36

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 3499260.4/58

All: 0.002+/-0.000 χ^2/NDF: 6336907.7/118

- sign 0.002+/-0.000 χ^2/NDF: 2837639.5/59



Right In: 0.476+/-0.000 χ^2/NDF: 62481317486.3/33

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.397+/-0.000 χ^2/NDF: 55266241142.1/36

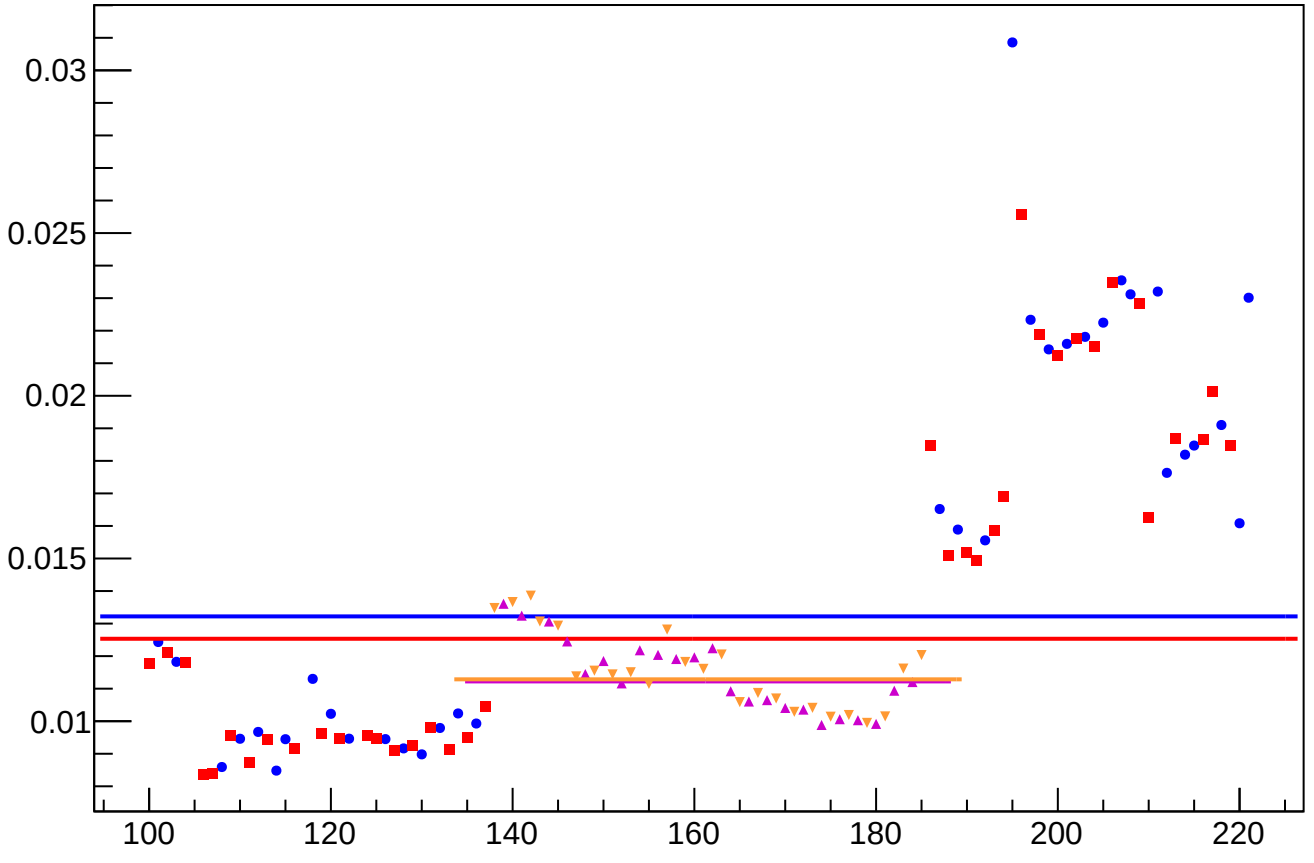
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.218+/-0.000 χ^2/NDF: 87778847533.4/58

All: 0.215+/-0.000 χ^2/NDF: 160125186827.8

- sign 0.212+/-0.000 χ^2/NDF: 72340969974.5/59

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 5556569.2/33

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

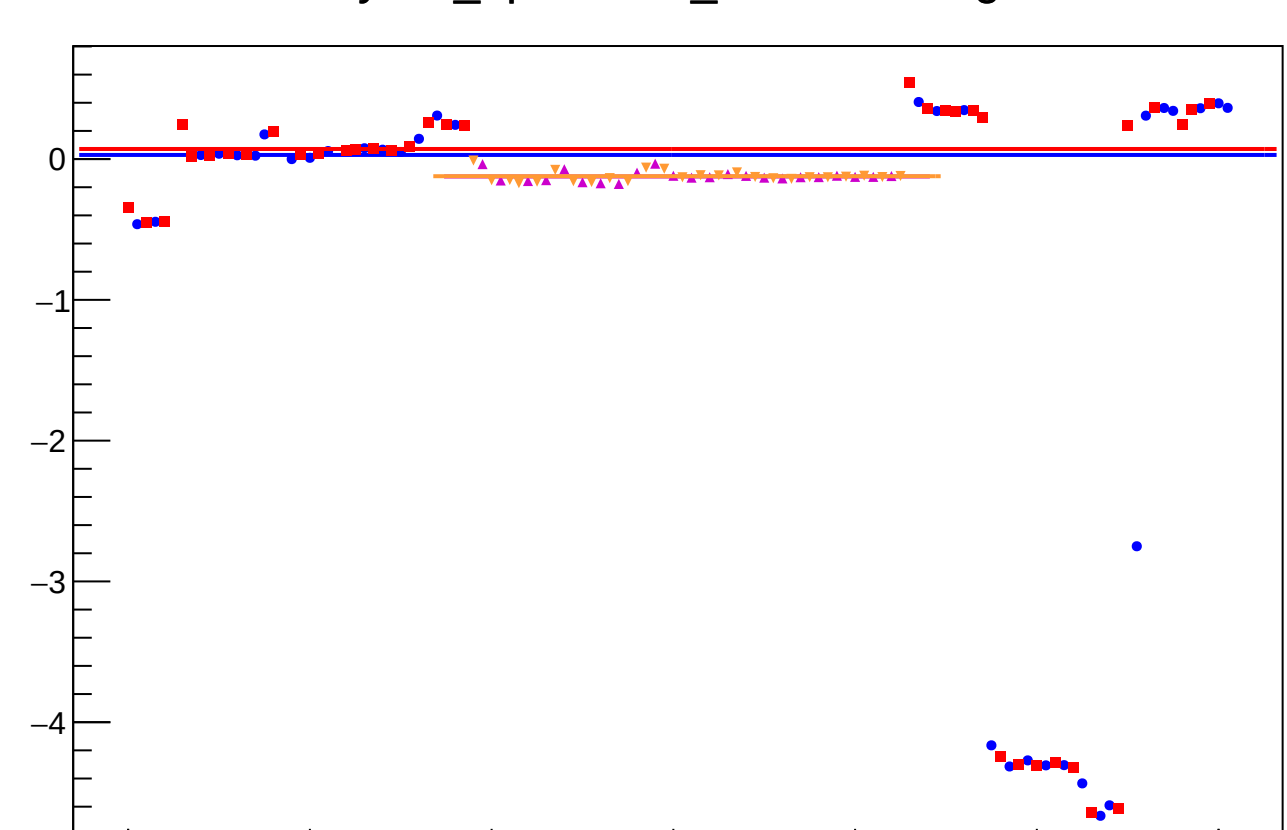
Right Out: 0.013+/-0.000 χ^2/NDF: 5109216.6/36

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 6341703.6/58

All: 0.012+/-0.000 χ^2/NDF: 12003421.8/118

- sign 0.012+/-0.000 χ^2/NDF: 5641152.6/59



Right In: 0.029+/-0.000 χ^2/NDF: 455315274178.8/33

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 407955891733.9/36

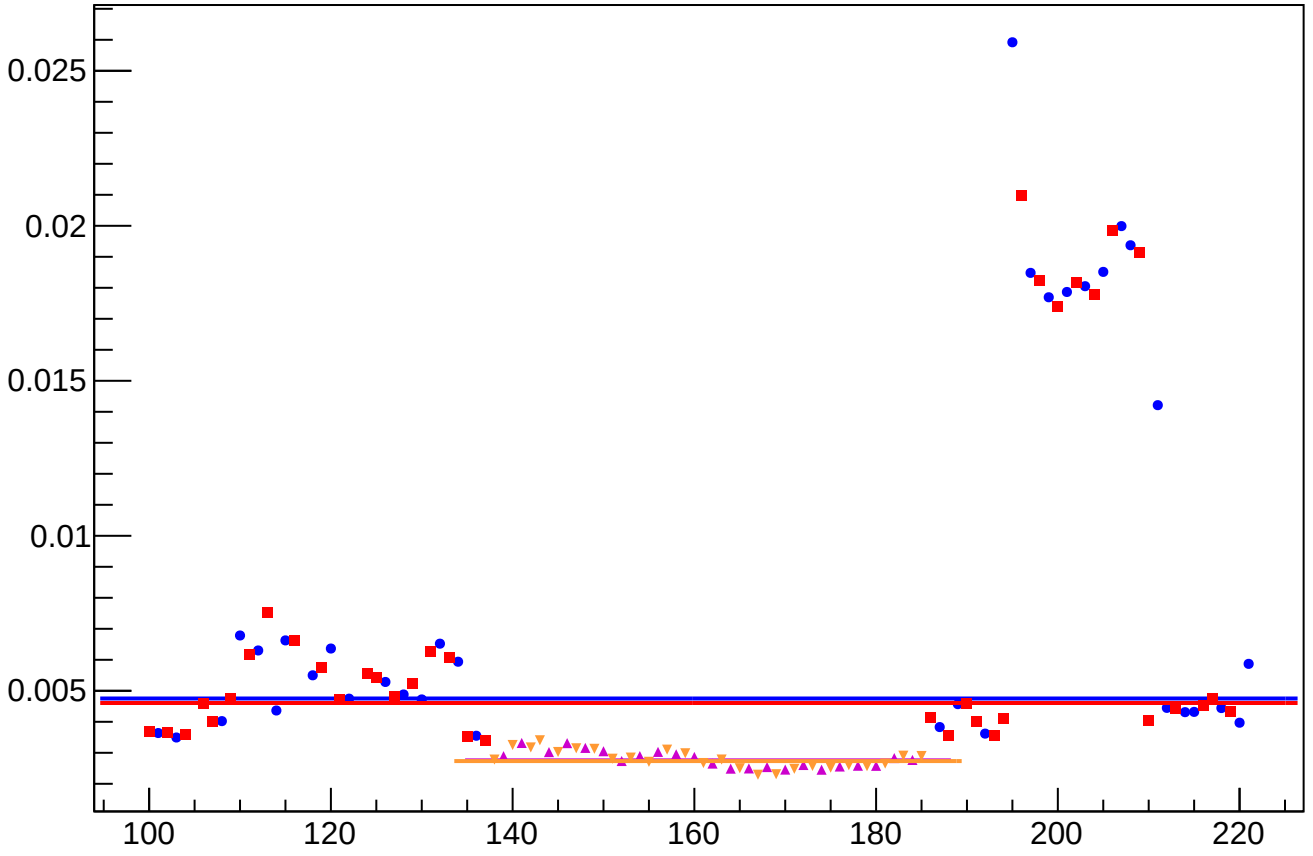
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.088+/-0.000 χ^2/NDF: 470728602376.4/58

All: -0.082+/-0.000 χ^2/NDF: 903480259693.0

- sign -0.075+/-0.000 χ^2/NDF: 432485479569.2/59

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9486697.9/33

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8017535.8/36

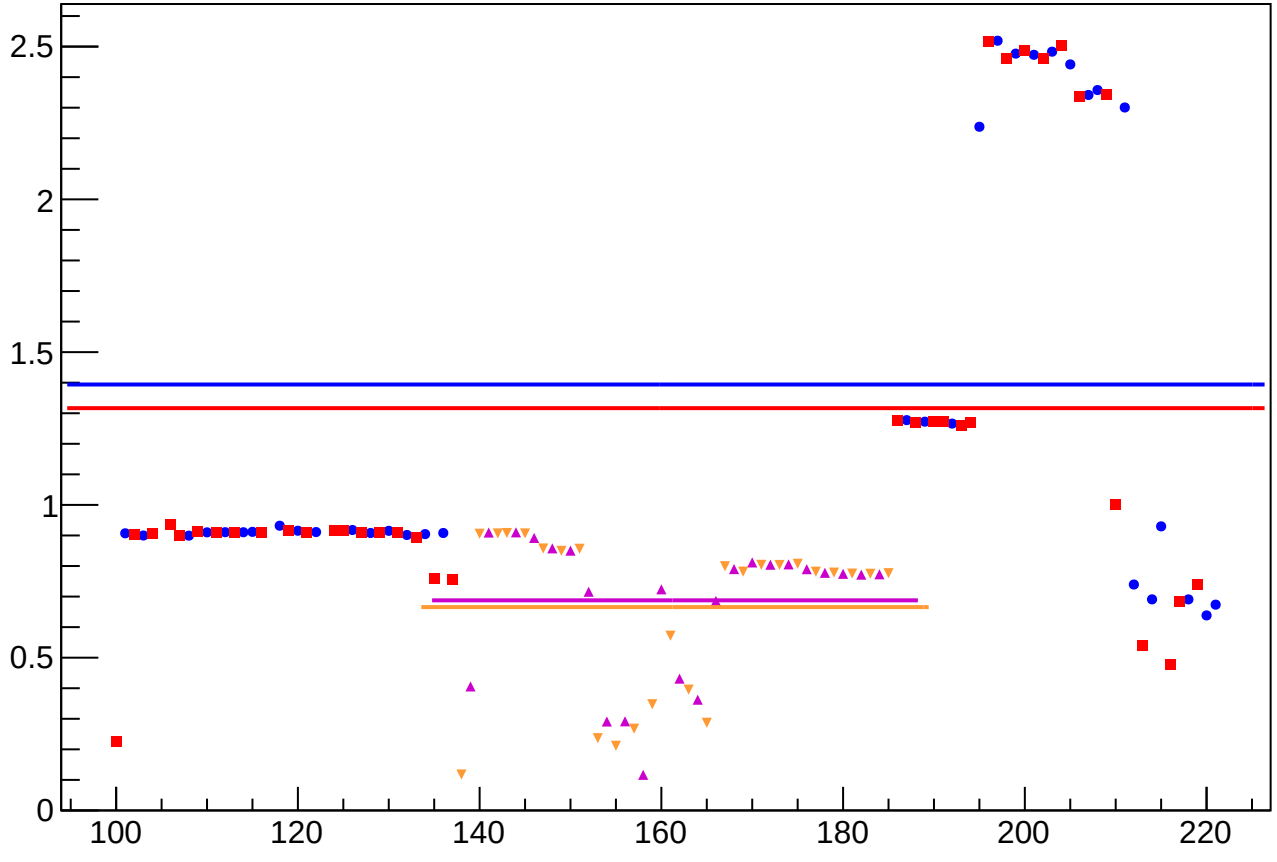
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 14338175.2/58

All: 0.003+/-0.000 χ^2/NDF: 26550241.2/118

- sign 0.003+/-0.000 χ^2/NDF: 12208341.8/59

yield_bpm0l09X_mean vs Slug



Right In: 1.394+/-0.000 χ^2/NDF: 61328644338.5/33

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 57182723540.1/36

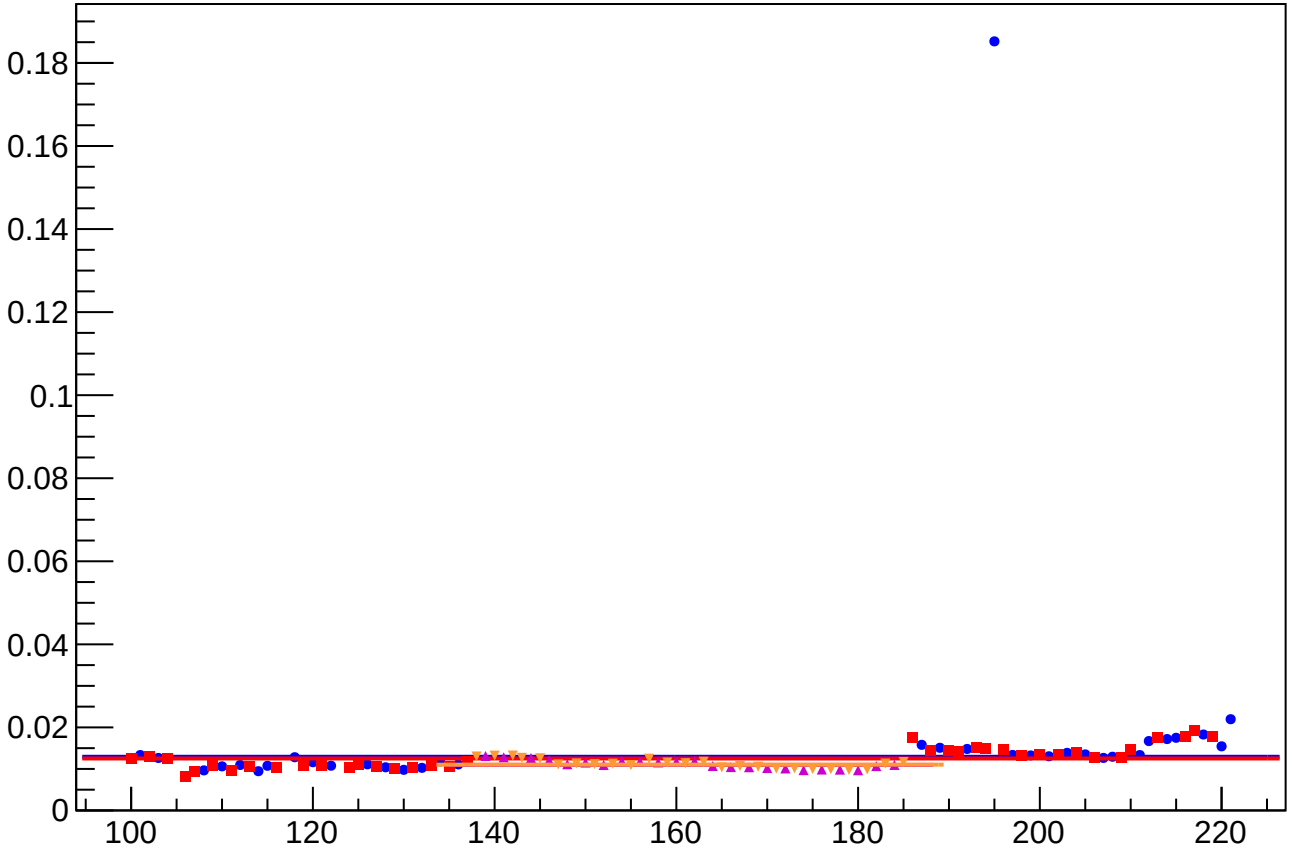
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.985+/-0.000 χ^2/NDF: 105806629937.7/58

All: 0.982+/-0.000 χ^2/NDF: 196503398246.9

- sign 0.978+/-0.000 χ^2/NDF: 90689865307.3/59

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2936153.1/33

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1506228.5/36

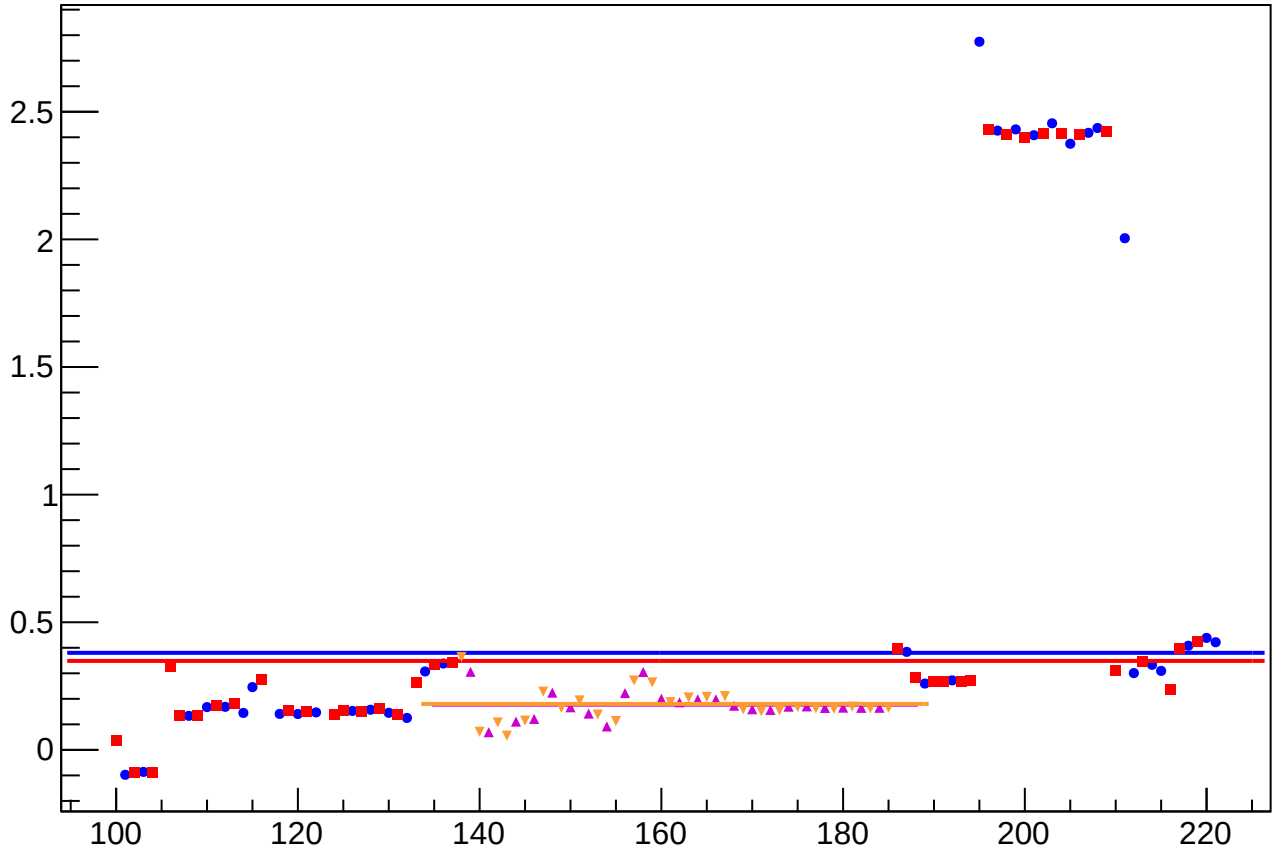
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3712860.6/58

All: 0.012+/-0.000 χ^2/NDF: 5838532.2/118

- sign 0.012+/-0.000 χ^2/NDF: 2117071.6/59

yield_bpm0l09Y_mean vs Slug



Right In: 0.380+/-0.000 χ^2/NDF: 191799296874.7/33

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.349+/-0.000 χ^2/NDF: 164198897341.1/36

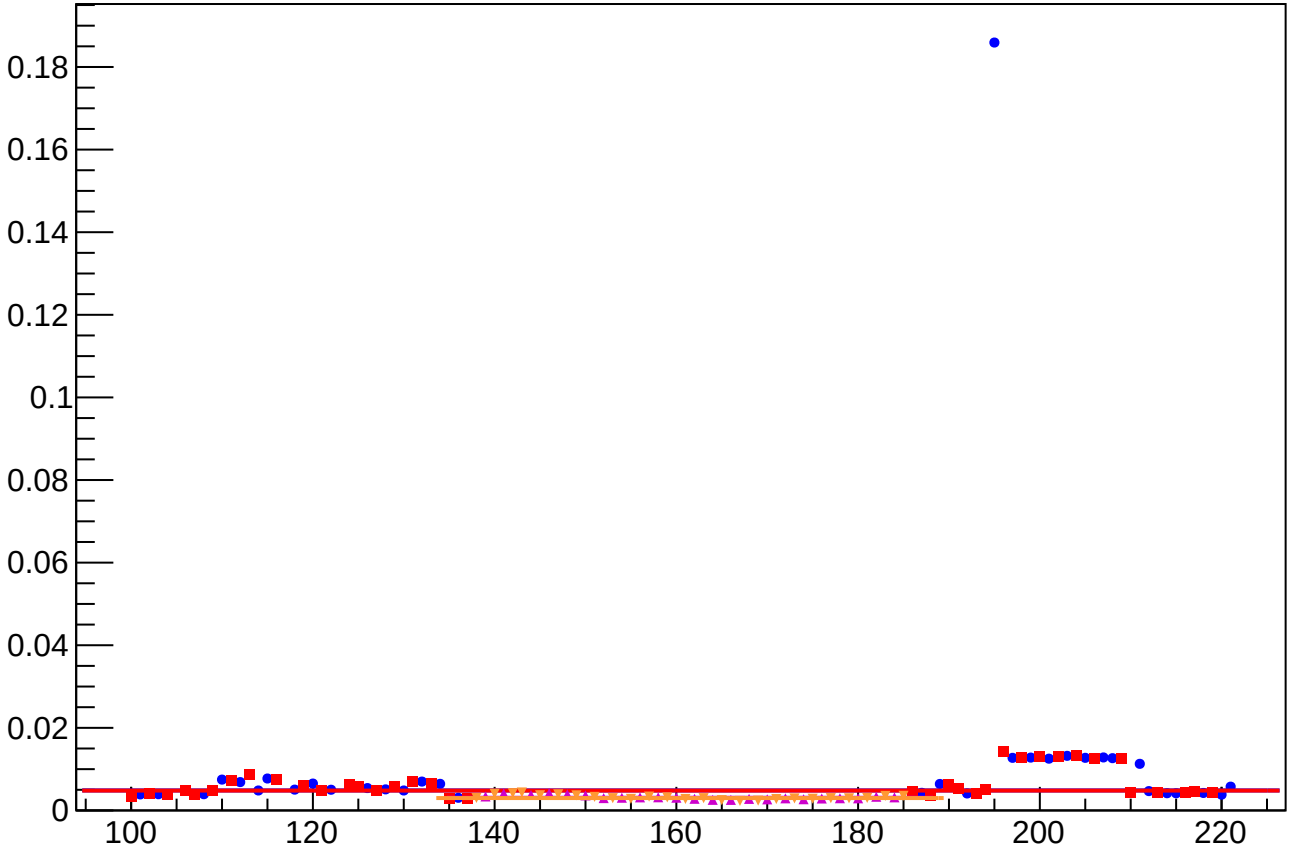
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.232+/-0.000 χ^2/NDF: 218712430131.2/58

All: 0.229+/-0.000 χ^2/NDF: 402315001847.8

- sign 0.226+/-0.000 χ^2/NDF: 183547345259.7/59

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 8148363.0/33

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

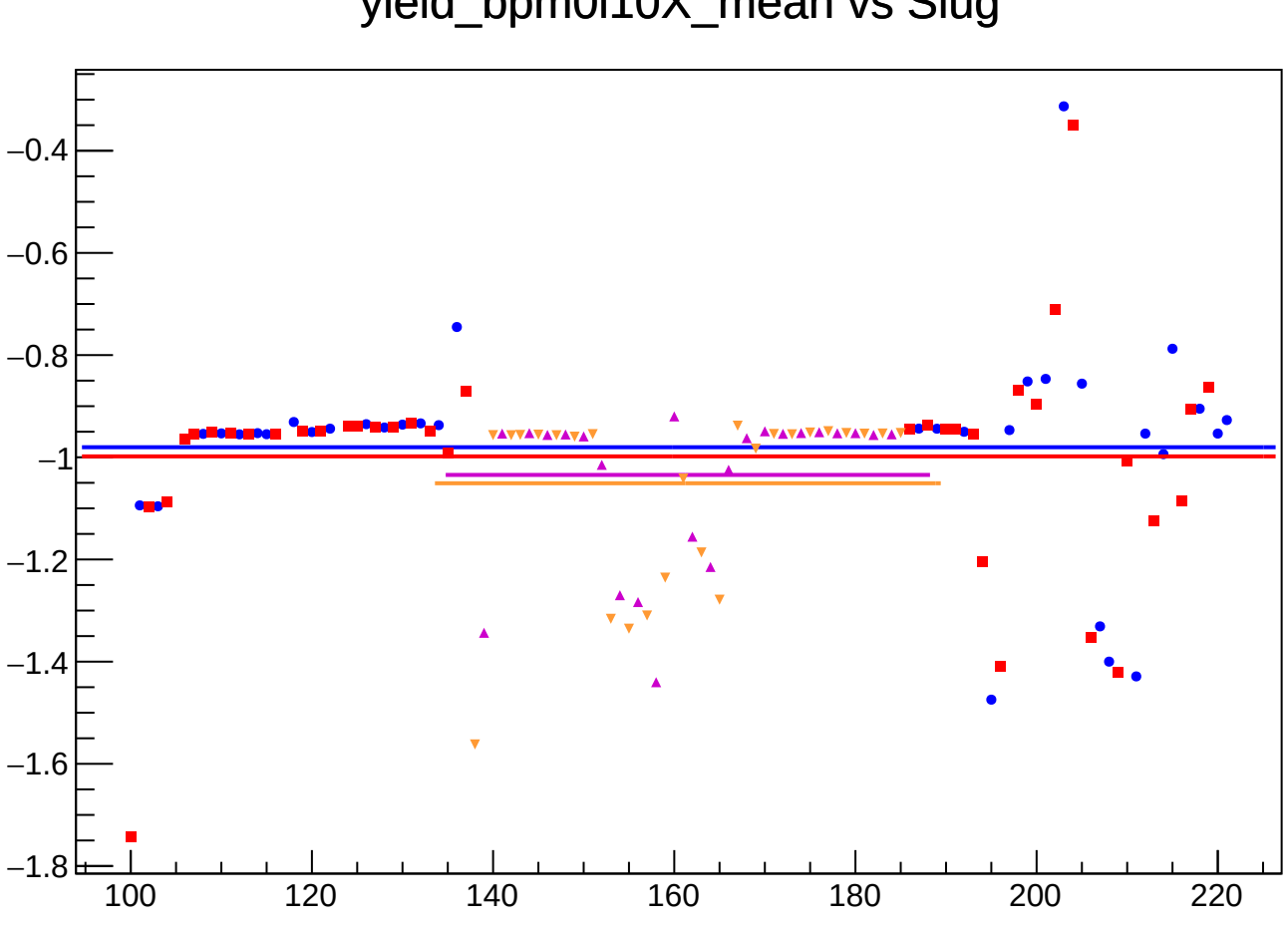
Right Out: 0.005+/-0.000 χ^2/NDF: 6002298.1/36

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 12522976.4/58

All: 0.004+/-0.000 χ^2/NDF: 22165455.2/118

- sign 0.004+/-0.000 χ^2/NDF: 9625215.6/59



Right In: -0.980+/-0.000 χ^2/NDF: 6000247550.3/33

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.998+/-0.000 χ^2/NDF: 5179381002.9/36

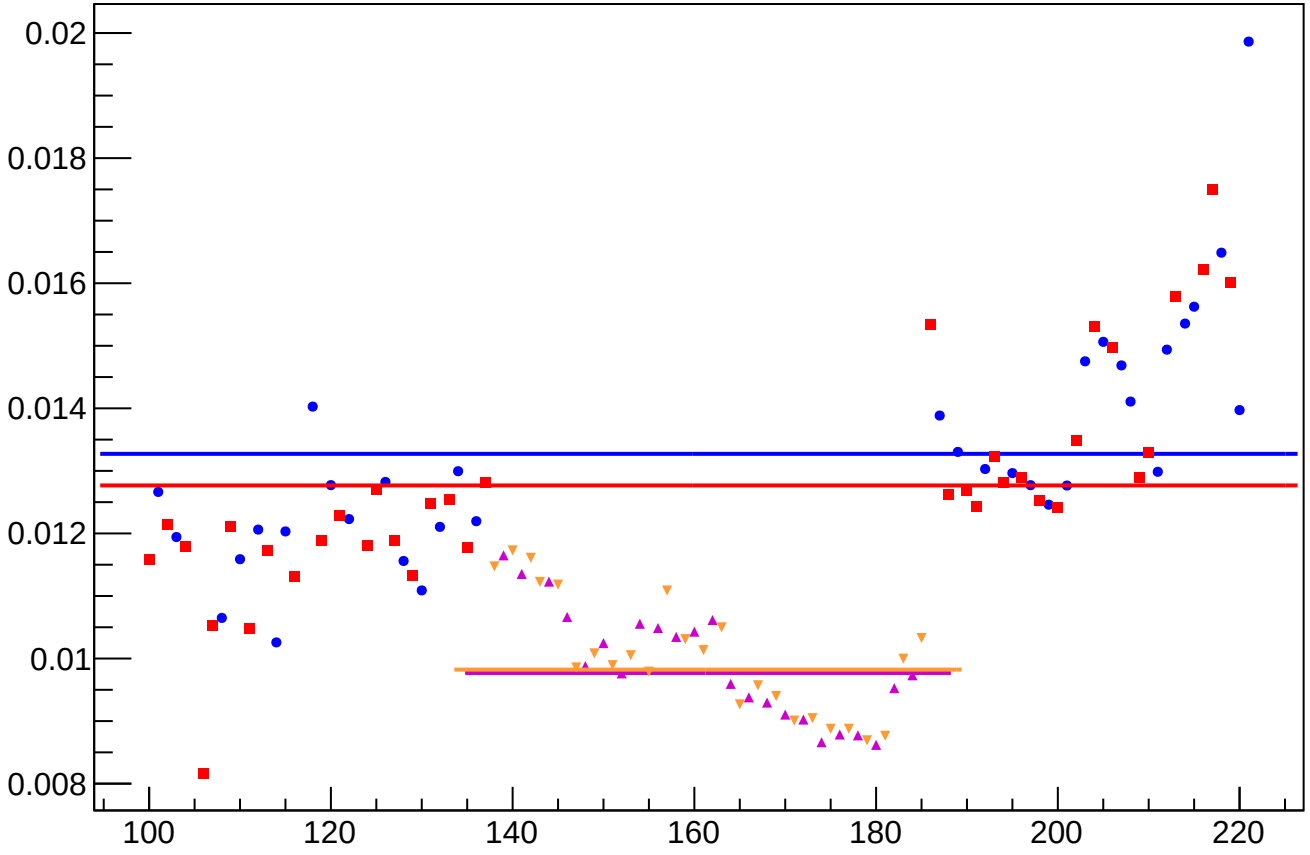
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.024+/-0.000 χ^2/NDF: 11446349771.9/58

All: -1.022+/-0.000 χ^2/NDF: 20652245939.3/

- sign -1.020+/-0.000 χ^2/NDF: 9203279827.8/59

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 641548.8/33

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

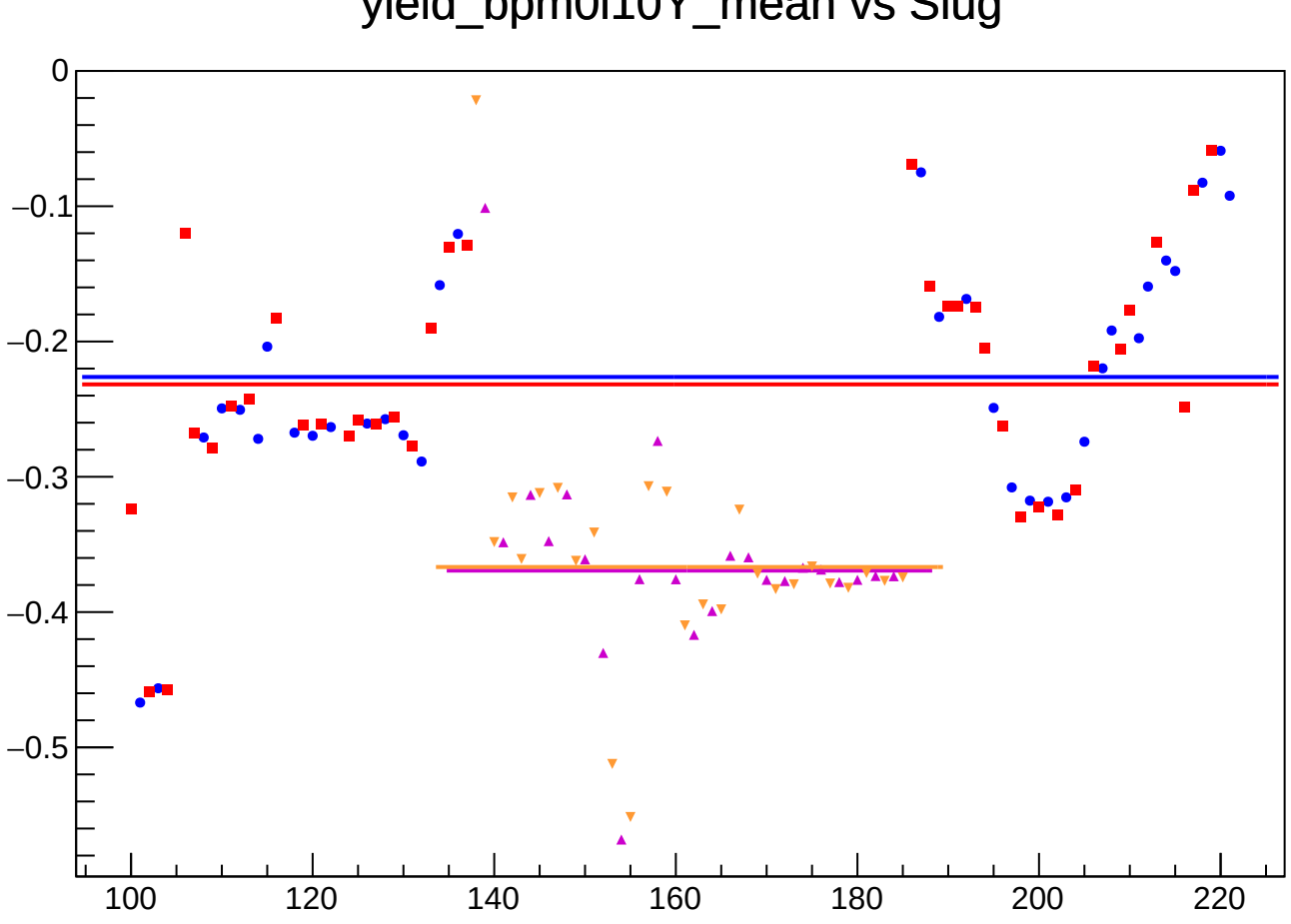
Right Out: 0.013+/-0.000 χ^2/NDF: 759464.0/36

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 2676245.6/58

All: 0.011+/-0.000 χ^2/NDF: 5063709.1/118

- sign 0.011+/-0.000 χ^2/NDF: 2379945.2/59



Right In: -0.226+/-0.000 χ^2/NDF: 13962291460.7/33

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.232+/-0.000 χ^2/NDF: 12442959100.0/36

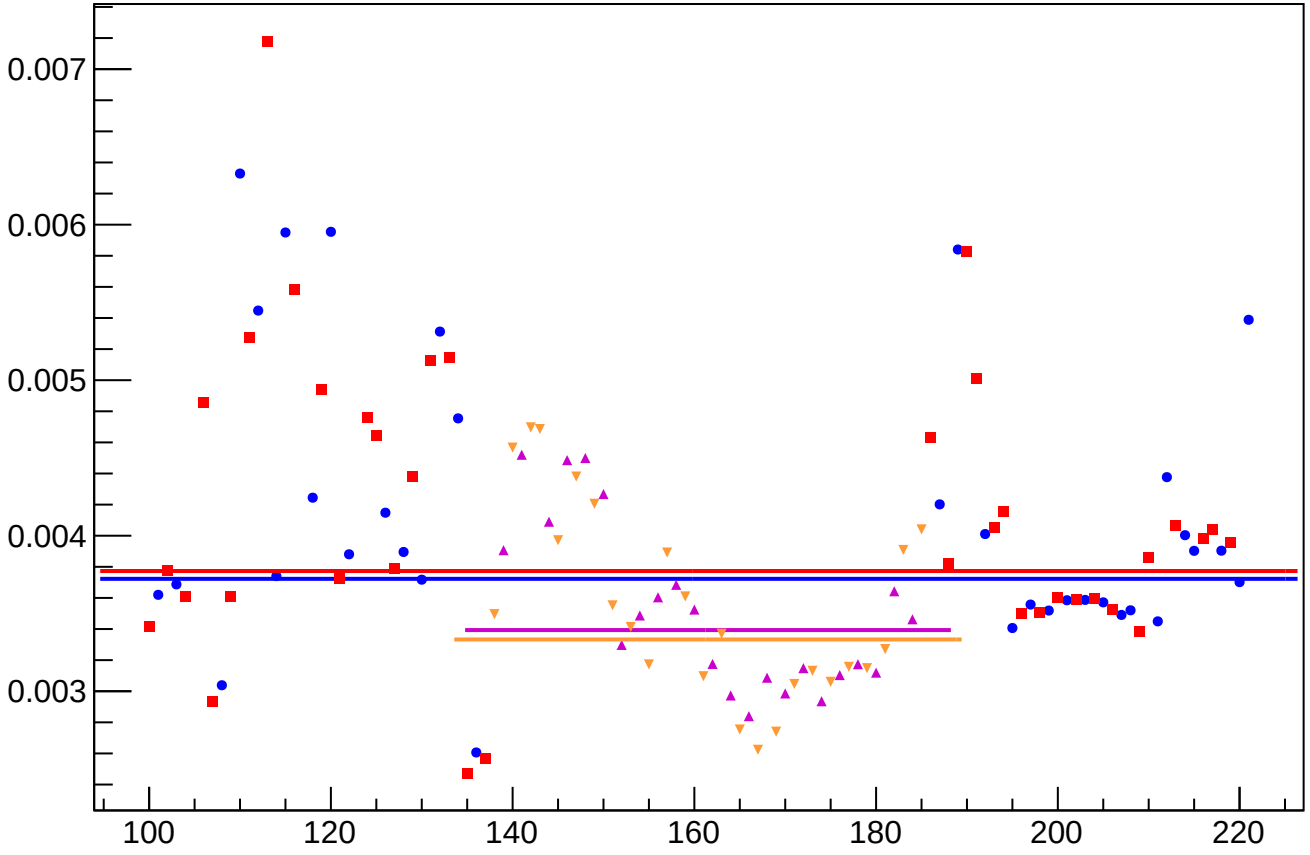
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.300+/-0.000 χ^2/NDF: 40720692712.6/58

All: -0.301+/-0.000 χ^2/NDF: 74016681486.6/

- sign -0.302+/-0.000 χ^2/NDF: 33286975147.6/59

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1152460.6/33

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1139193.3/36

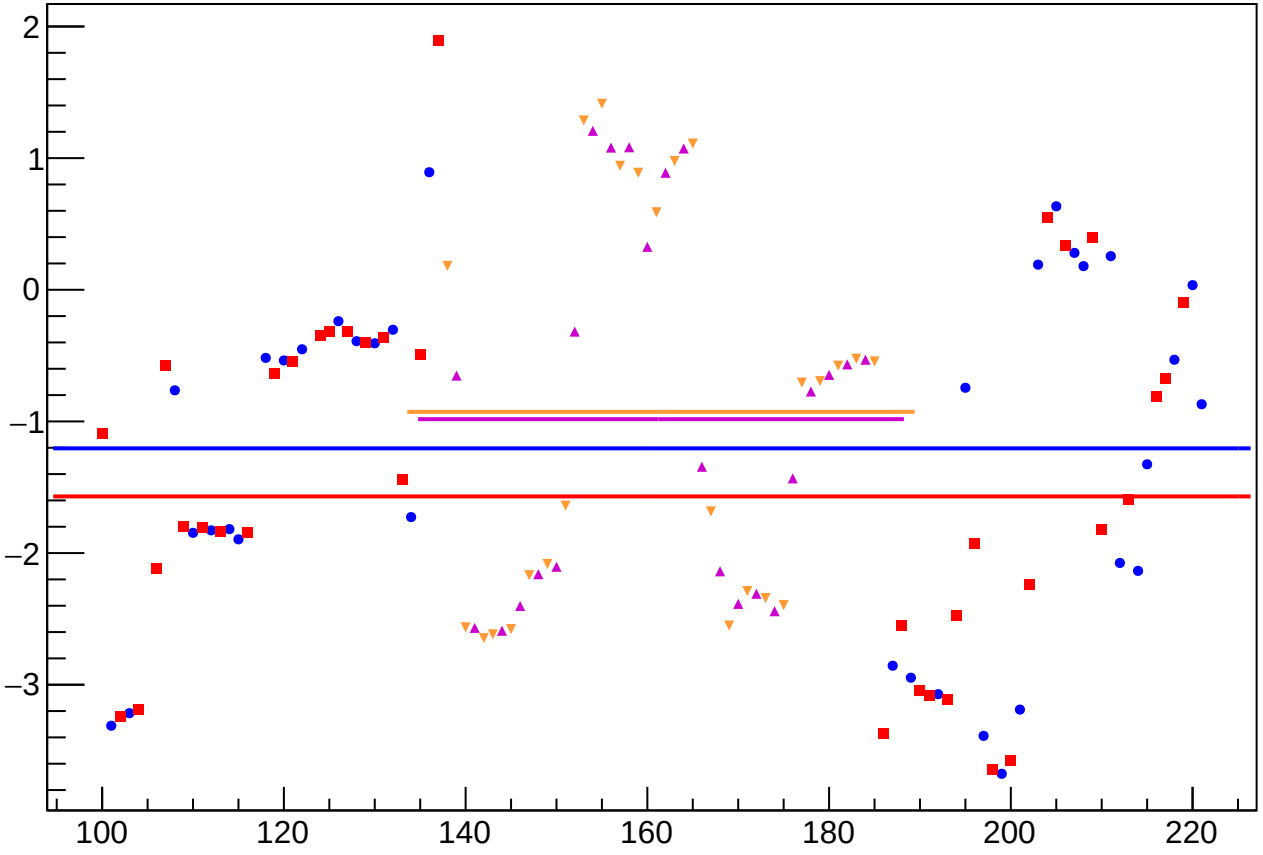
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 2238523.2/58

All: 0.004+/-0.000 χ^2/NDF: 4223702.0/118

- sign 0.004+/-0.000 χ^2/NDF: 1974794.3/59

yield_bpm0r03X_mean vs Slug



Right In: -1.204+/-0.000 χ^2/NDF: 7378533222.1/33

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

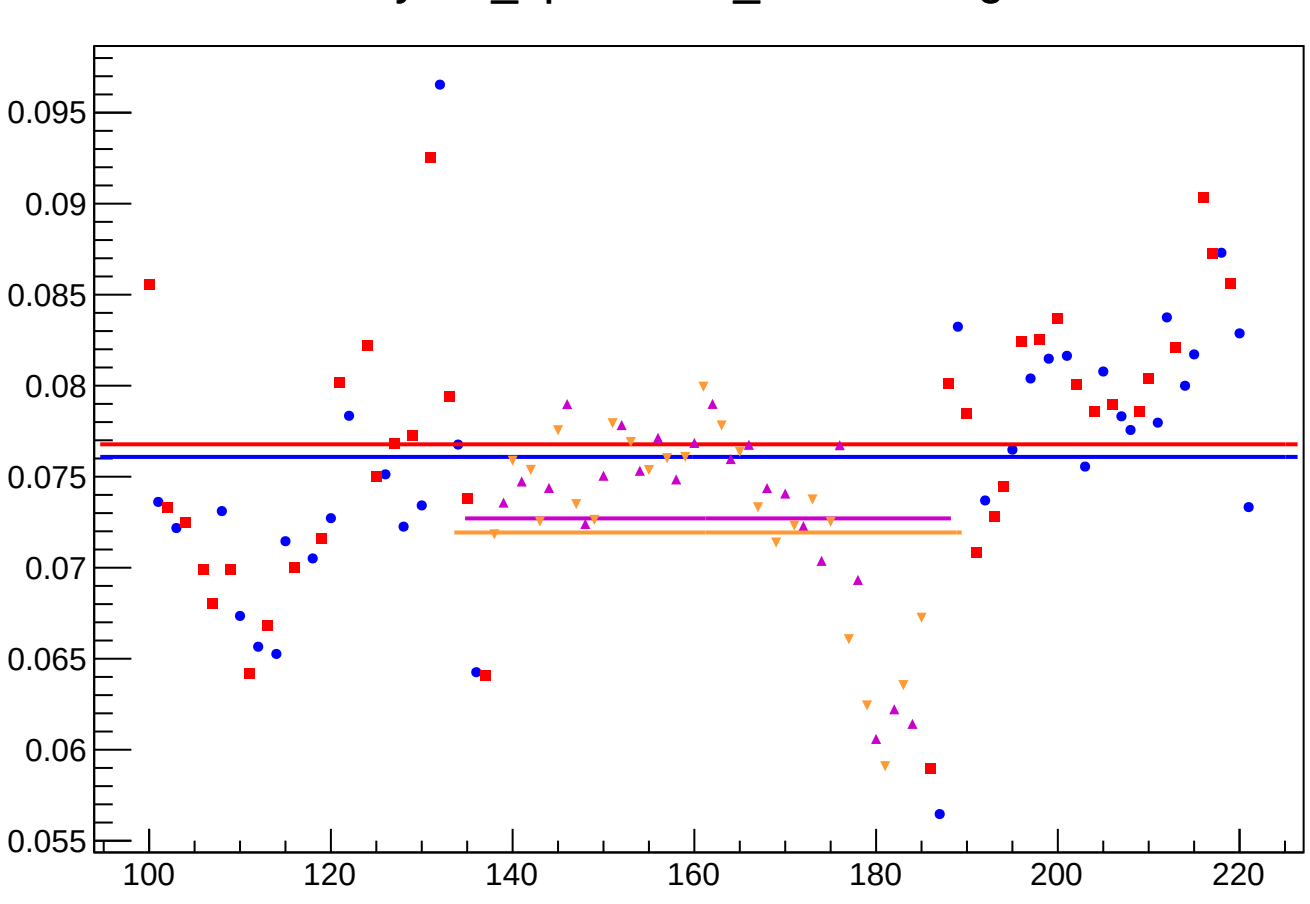
Right Out: -1.570+/-0.000 χ^2/NDF: 6423556263.8/36

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.067+/-0.000 χ^2/NDF: 14769555739.5/58

All: -1.172+/-0.000 χ^2/NDF: 27880459890.3/

- sign -1.284+/-0.000 χ^2/NDF: 12941700314.3/59



Right In: 0.076+/-0.000 χ^2/NDF: 309039.0/33

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

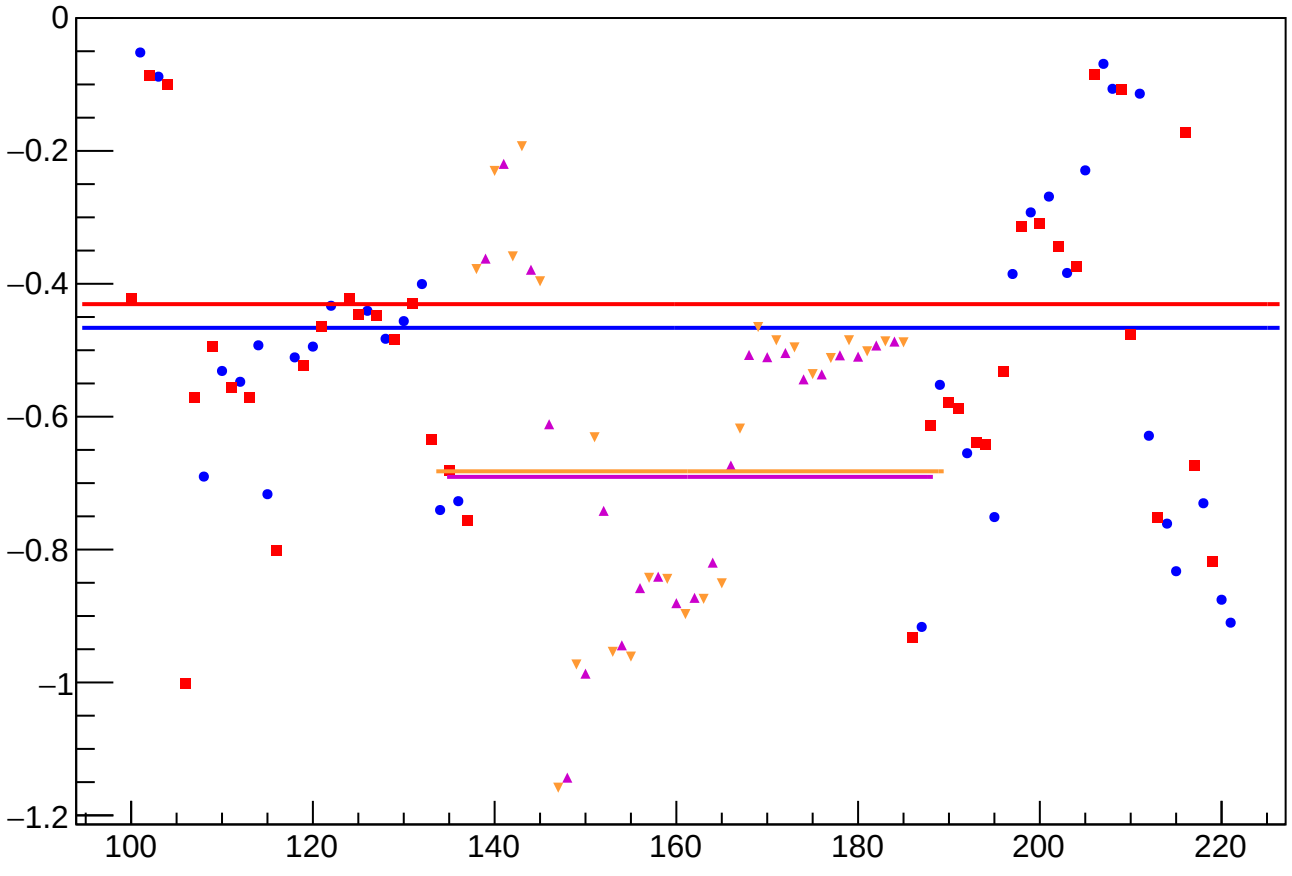
Right Out: 0.077+/-0.000 χ^2/NDF: 348877.6/36

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.074+/-0.000 χ^2/NDF: 608324.0/58

All: 0.074+/-0.000 χ^2/NDF: 1216088.9/118

- sign 0.075+/-0.000 χ^2/NDF: 603505.1/59



Right In: -0.466+/-0.000 χ^2/NDF: 26461851329.6/33

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 15890396985.7/36

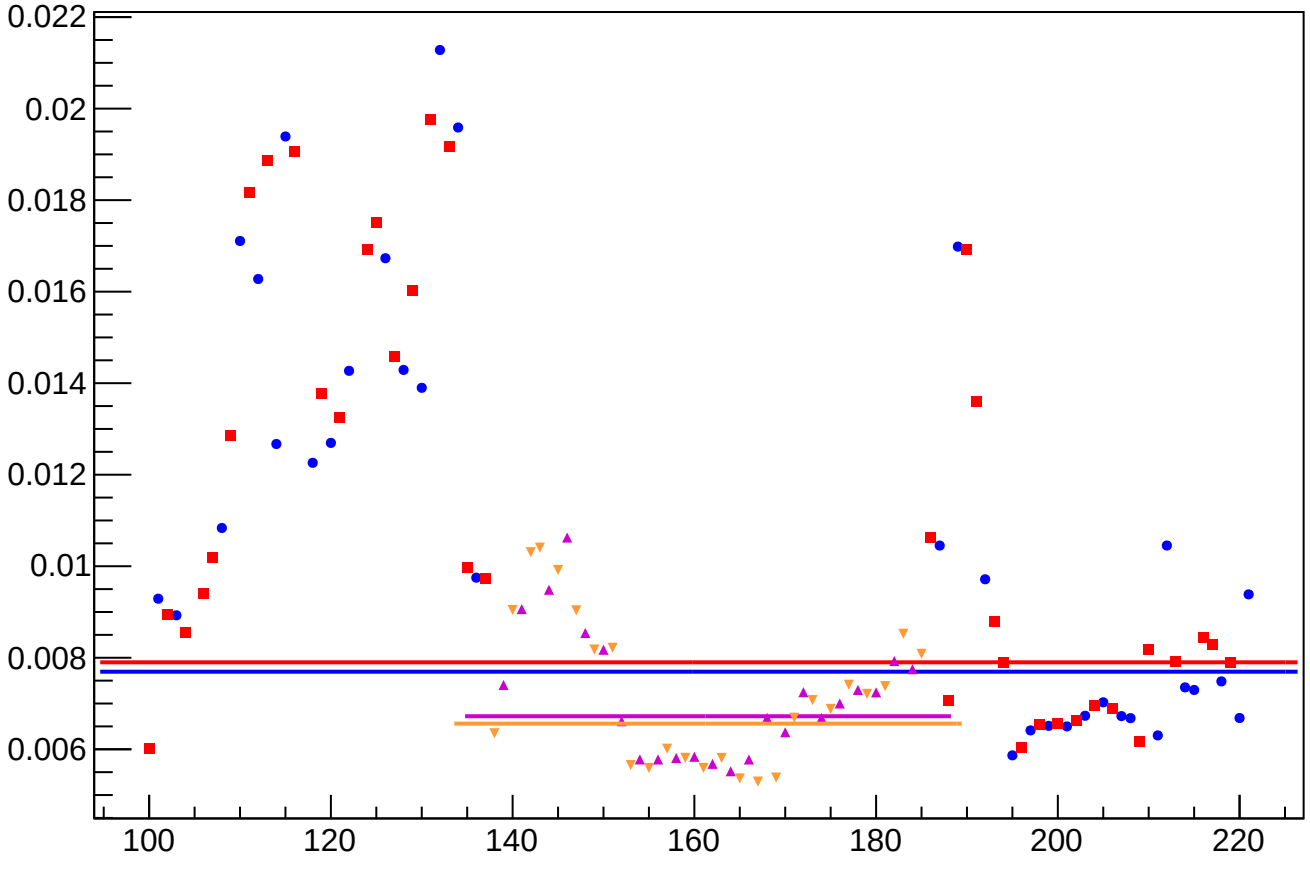
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.587+/-0.000 χ^2/NDF: 56643873563.0/58

All: -0.582+/-0.000 χ^2/NDF: 100396945420.5

- sign -0.576+/-0.000 χ^2/NDF: 43712345395.4/59

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3290774.4/33

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3266763.0/36

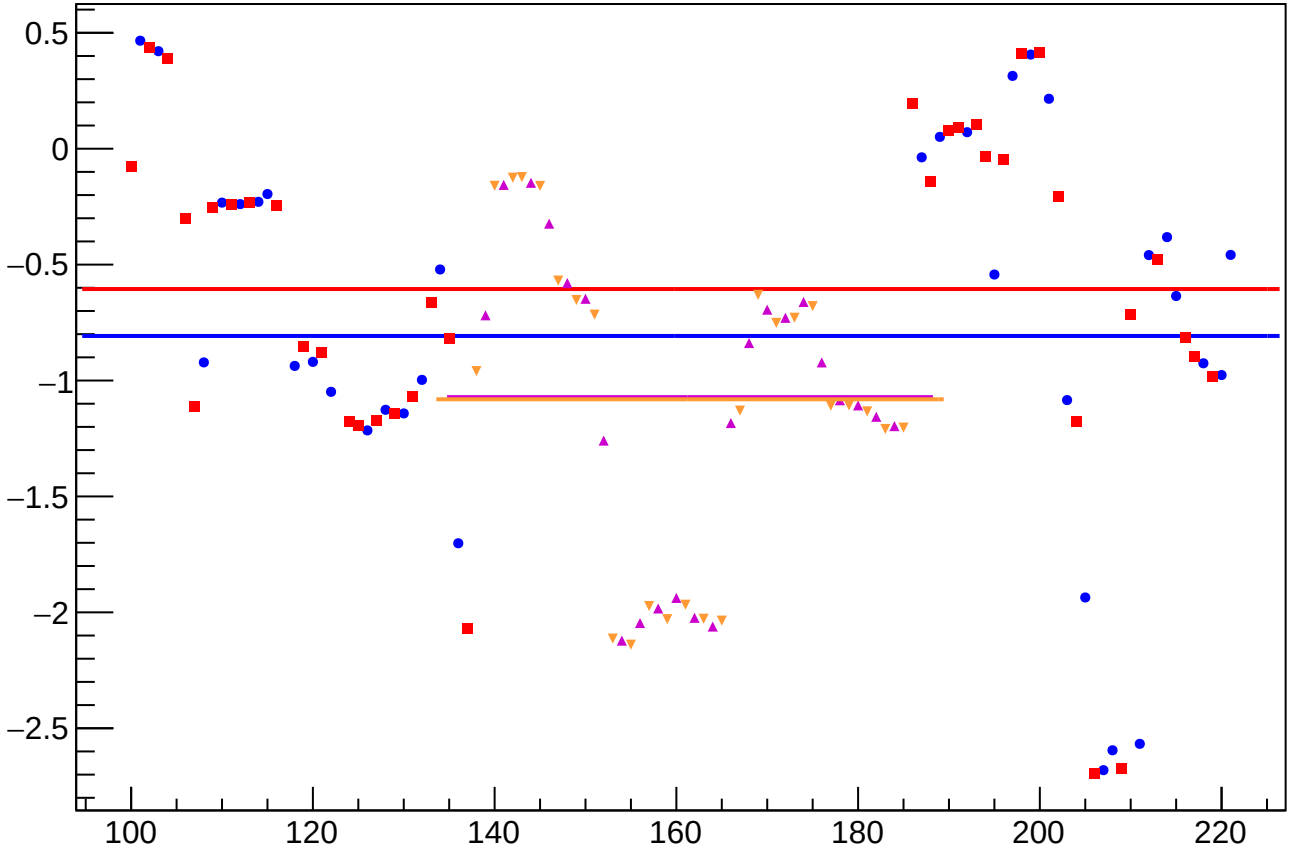
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 5156820.0/58

All: 0.007+/-0.000 χ^2/NDF: 9857248.4/118

- sign 0.007+/-0.000 χ^2/NDF: 4677948.9/59

yield_bpm0r05X_mean vs Slug



Right In: -0.808+/-0.000 χ^2/NDF: 2006002654.8/33

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.605+/-0.000 χ^2/NDF: 1684275067.3/36

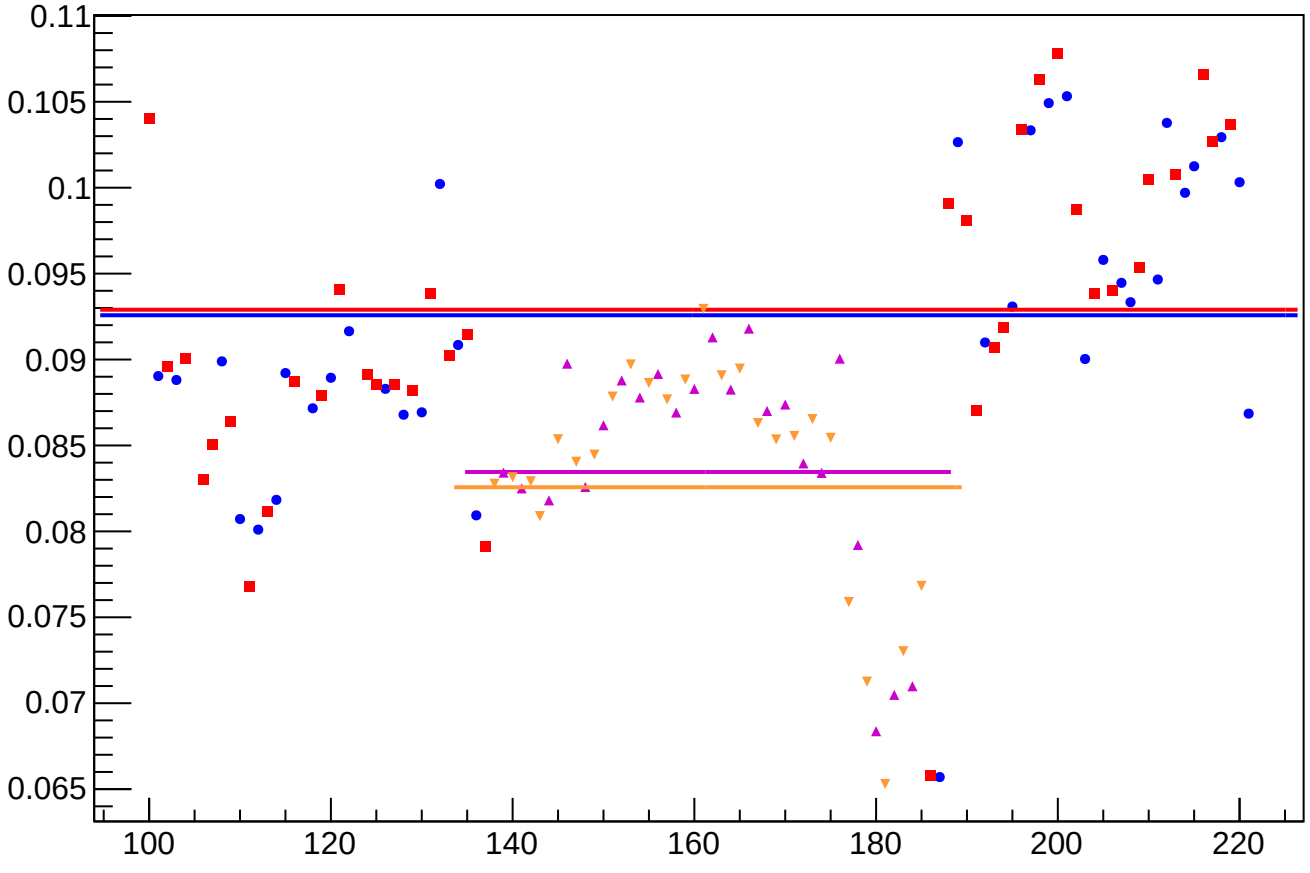
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.951+/-0.000 χ^2/NDF: 3257772487.2/58

All: -0.899+/-0.000 χ^2/NDF: 6221858784.1/1

- sign -0.845+/-0.000 χ^2/NDF: 2934706098.9/59

yield_bpm0r05X_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 330301.1/33

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.093+/-0.000 χ^2/NDF: 425221.8/36

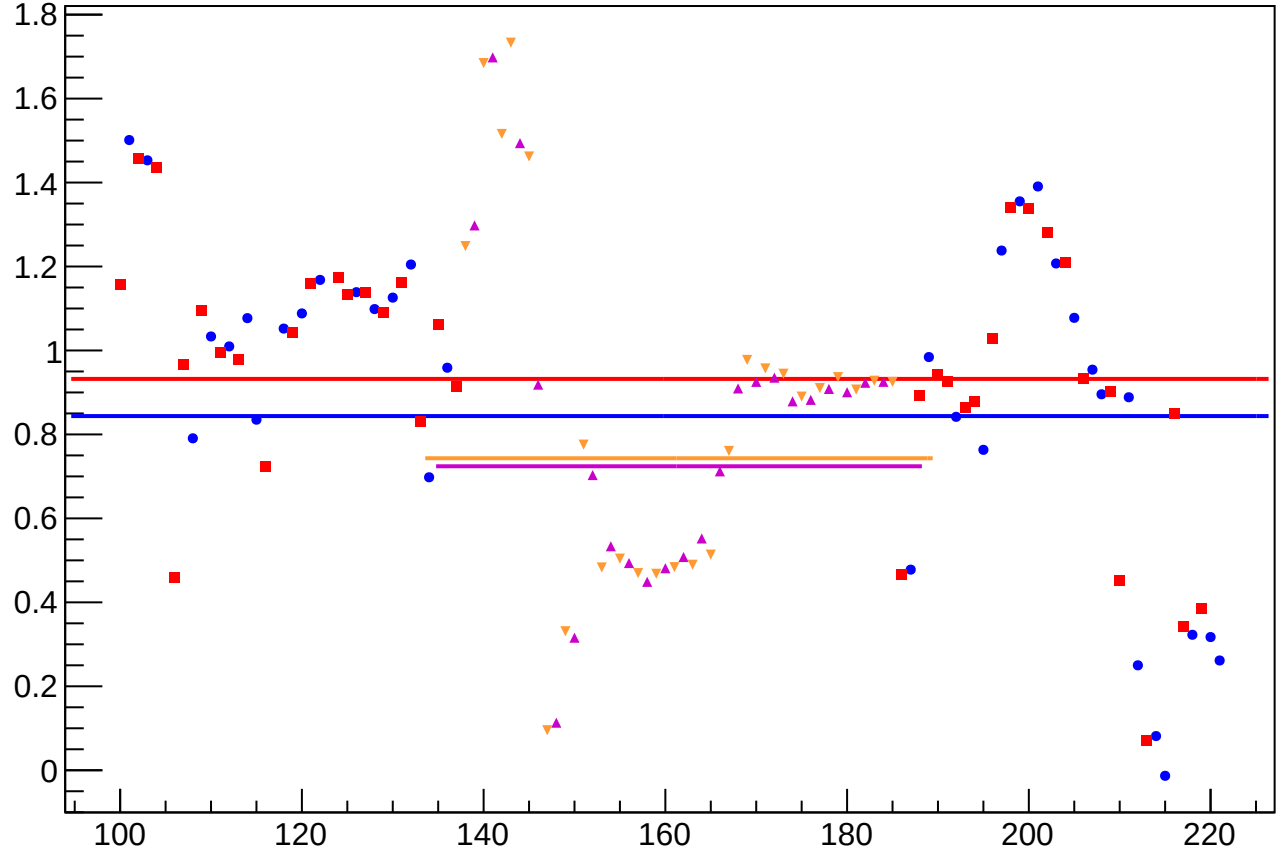
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 888557.0/58

All: 0.088+/-0.000 χ^2/NDF: 1780284.2/118

- sign 0.088+/-0.000 χ^2/NDF: 889011.7/59

yield_bpm0r05Y_mean vs Slug



Right In: 0.844+/-0.000 χ^2/NDF: 29622185915.7/33

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.932+/-0.000 χ^2/NDF: 17932029082.3/36

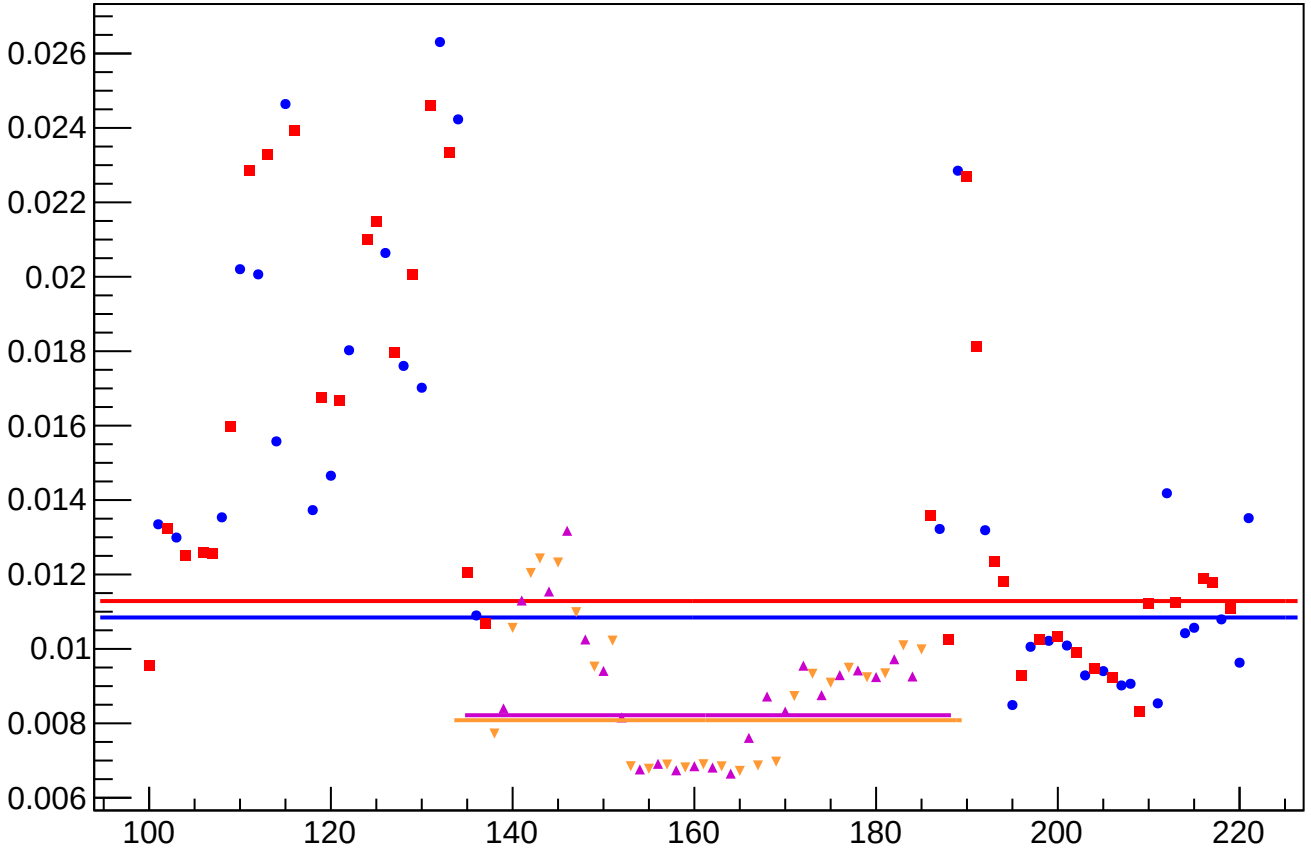
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.781+/-0.000 χ^2/NDF: 63237152528.8/58

All: 0.791+/-0.000 χ^2/NDF: 110870519626.7

- sign 0.801+/-0.000 χ^2/NDF: 47551181389.4/59

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2495222.9/33

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2464288.7/36

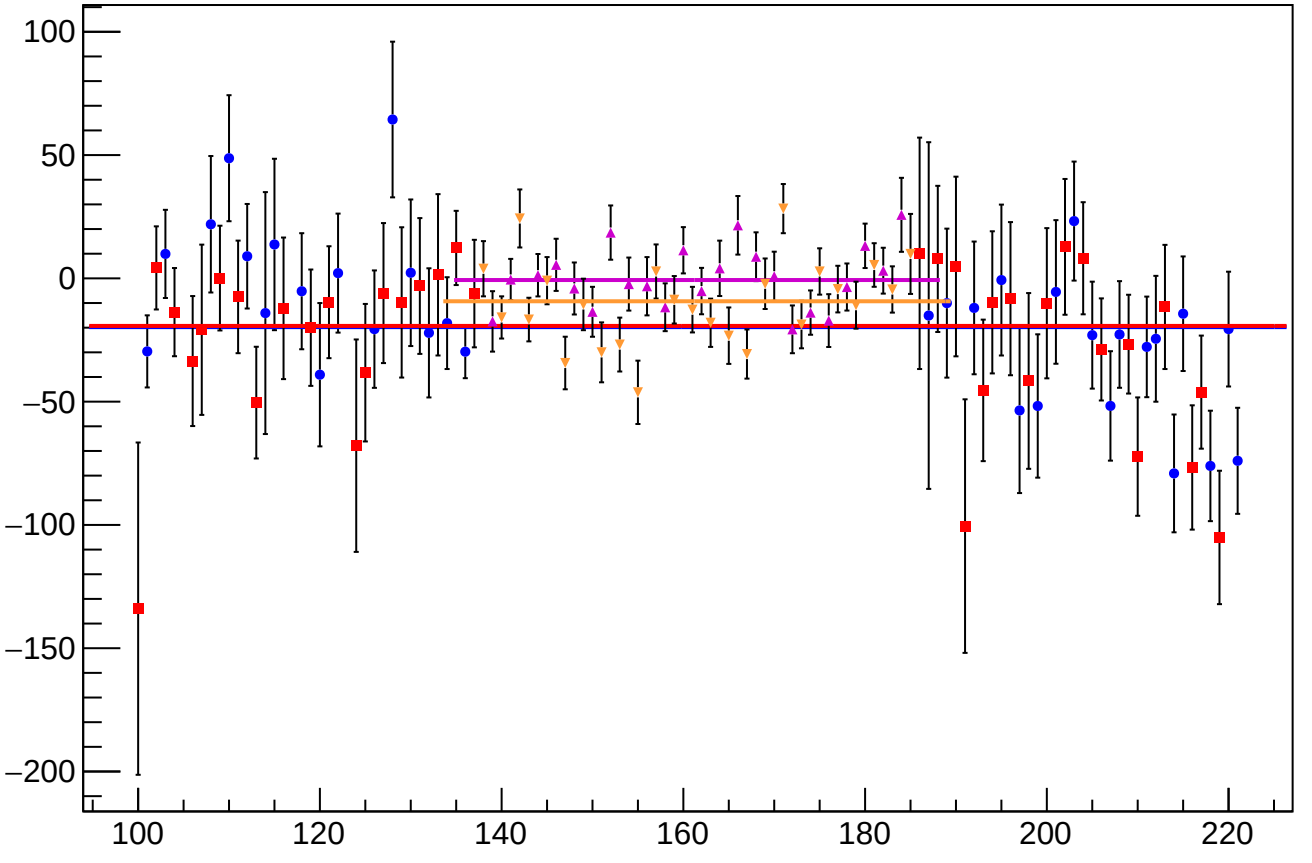
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 5461271.4/58

All: 0.009+/-0.000 χ^2/NDF: 10797795.4/118

- sign 0.009+/-0.000 χ^2/NDF: 5315236.3/59

diff_bpm4aX_mean vs Slug



Right In: -19.773+/-3.944 χ^2/NDF: 53.1/33

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -19.288+/-4.175 χ^2/NDF: 46.5/36

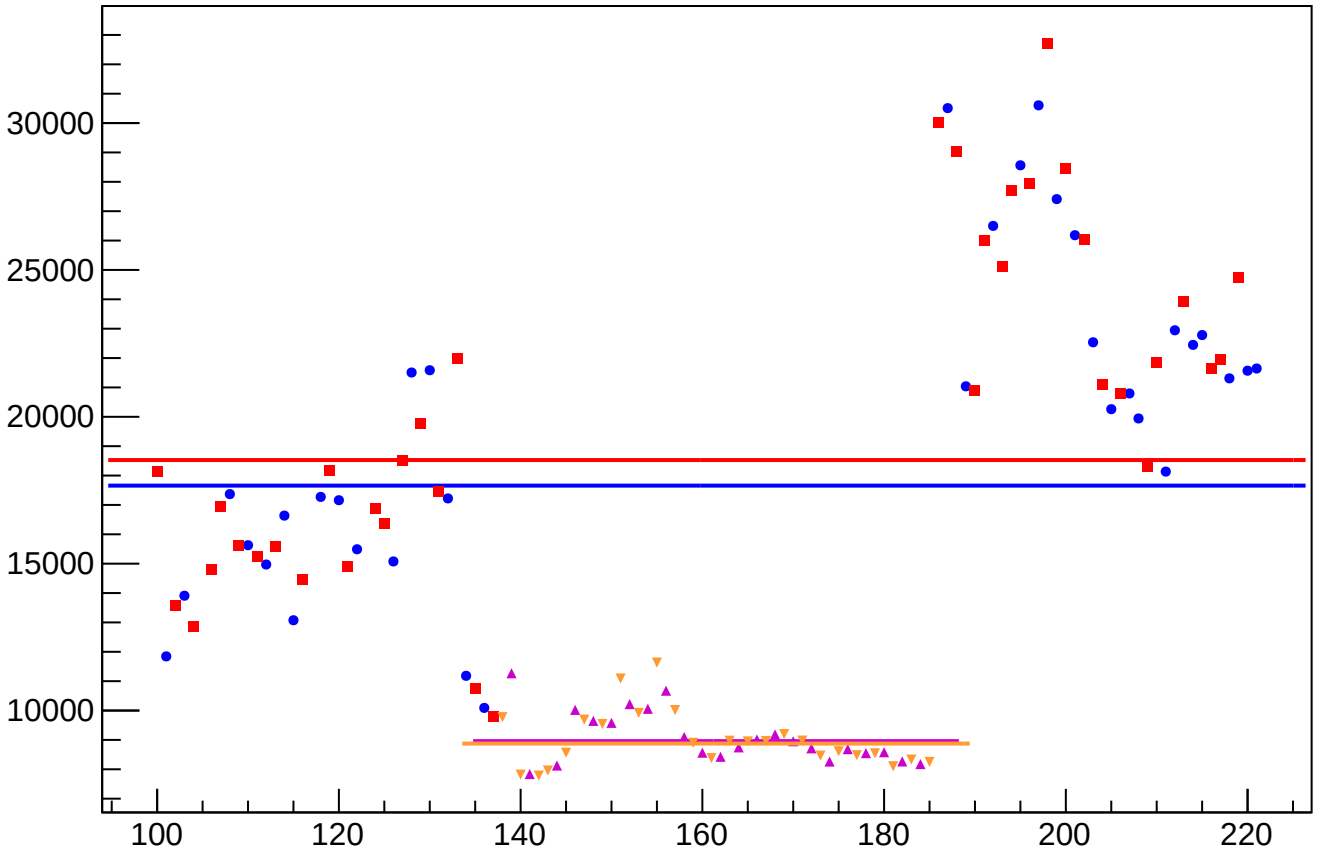
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -11.487+/-1.805 χ^2/NDF: 119.8/58

All: -8.107+/-1.302 χ^2/NDF: 218.9/118

- sign -4.446+/-1.879 χ^2/NDF: 91.8/59

diff_bpm4aX_rms vs Slug



Right In: 17657.227+/-2.789 χ^2/NDF: 3698074.5/33

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18528.094+/-2.952 χ^2/NDF: 3472044.6/36

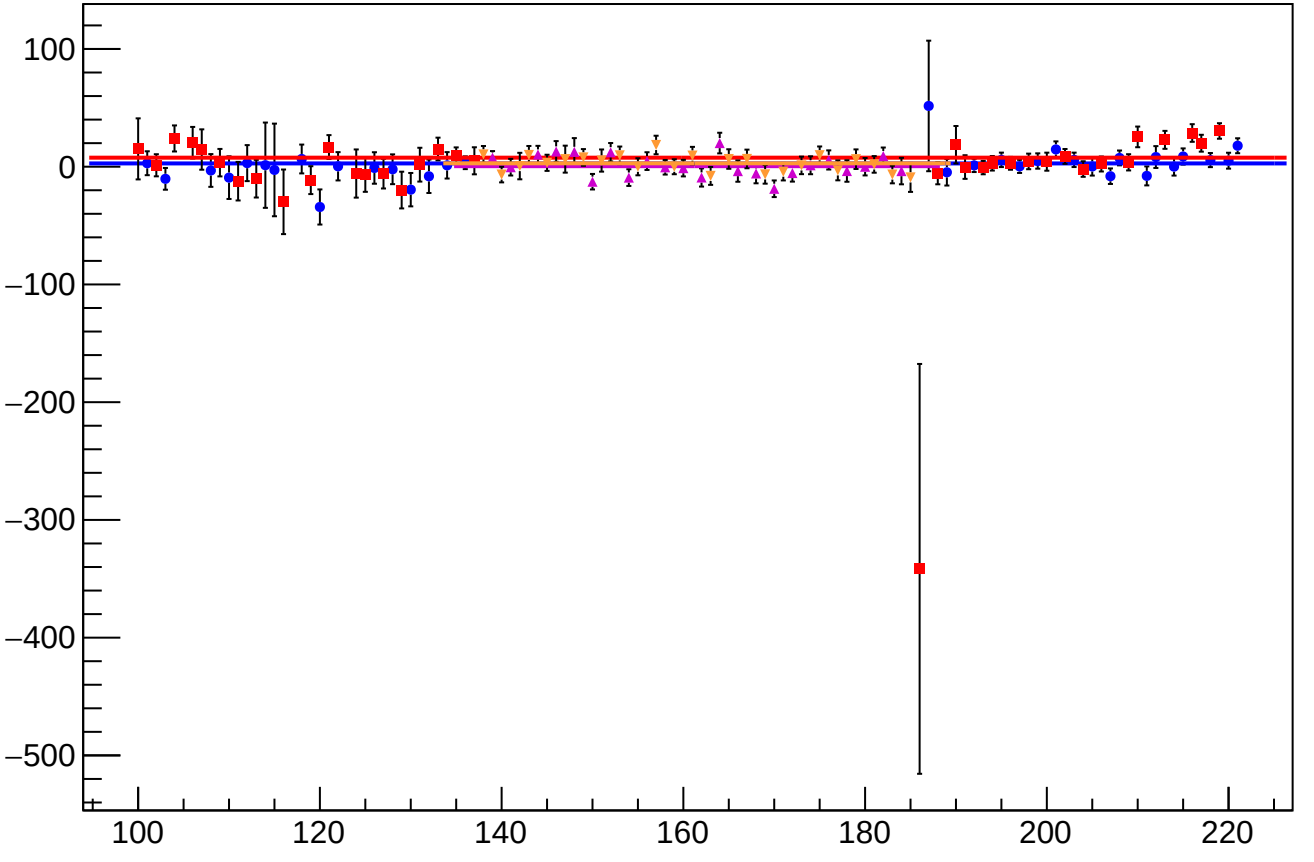
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10715.510+/-1.277 χ^2/NDF: 11882058.9/58

All: 10802.613+/-0.921 χ^2/NDF: 24044085.3/

- sign 10896.970+/-1.329 χ^2/NDF: 12152327.8/59

diff_bpm4aY_mean vs Slug



Right In: 2.787+/-1.425 χ^2/NDF: 29.6/33

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

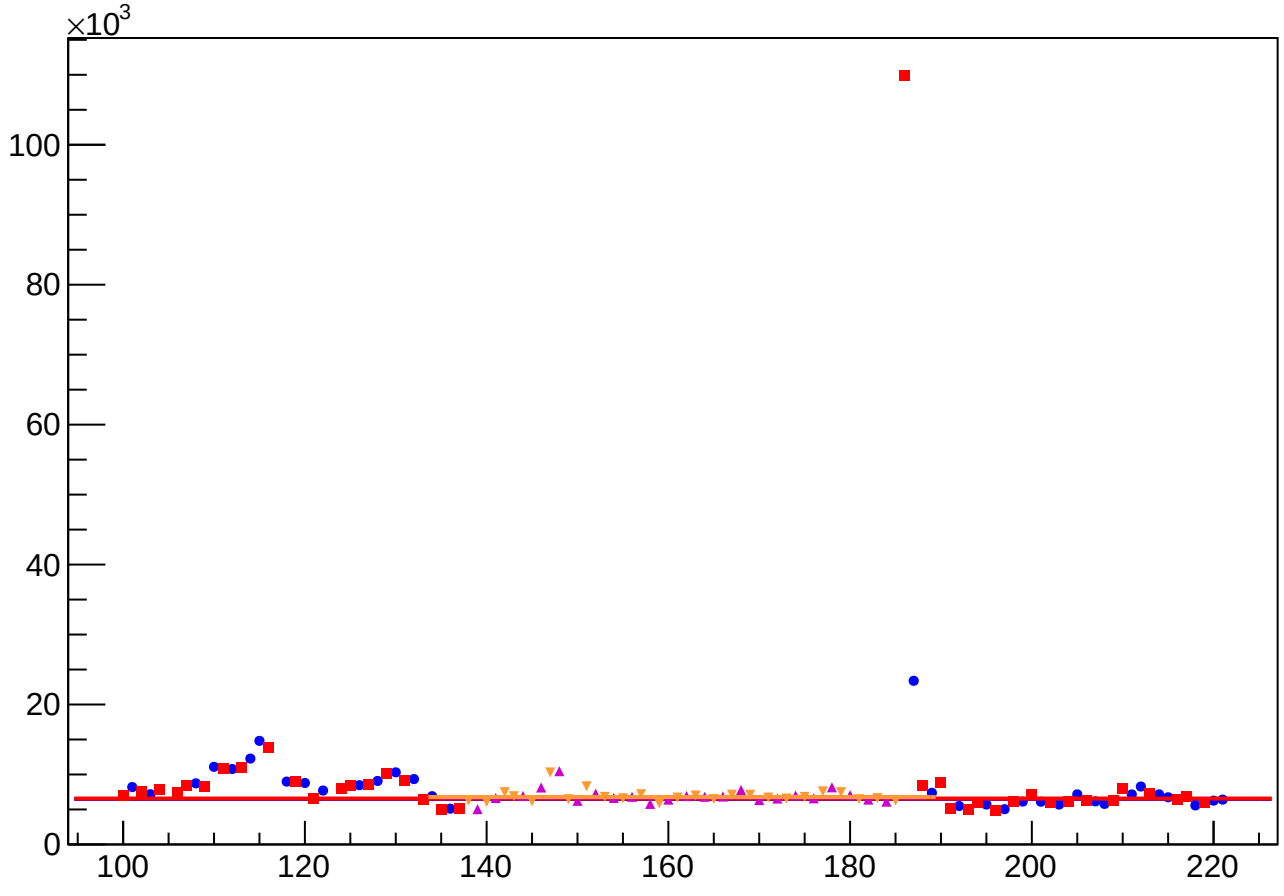
Right Out: 7.669+/-1.467 χ^2/NDF: 63.4/36

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

\+ sign 2.829+/-1.050 χ^2/NDF: 49.1/58

All: 3.562+/-0.752 χ^2/NDF: 157.5/118

\- sign 4.332+/-1.076 χ^2/NDF: 107.4/59



Right In: 6506.969+/-1.008 χ^2/NDF: 1855689.3/33

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

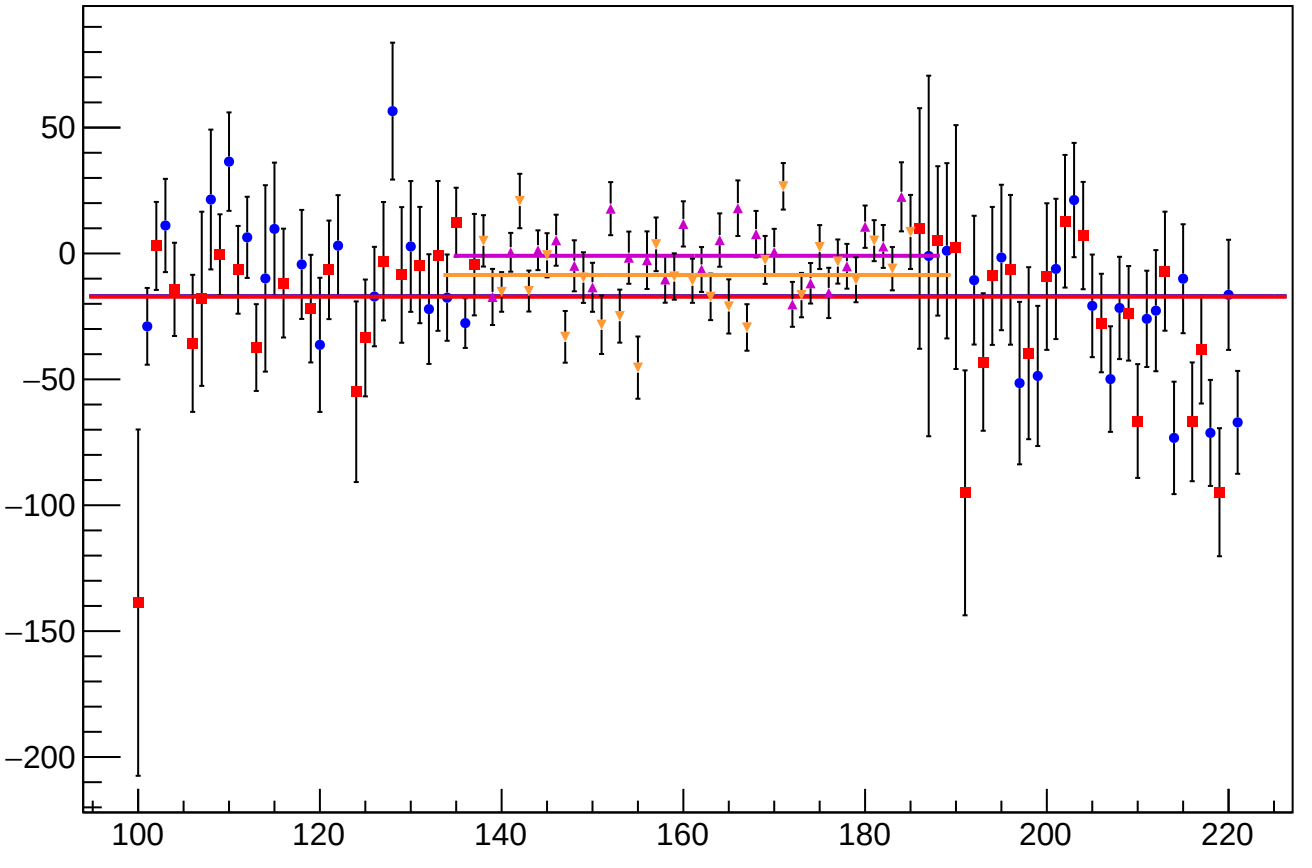
Right Out: 6555.912+/-1.038 χ^2/NDF: 2418304.3/36

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6630.252+/-0.743 χ^2/NDF: 2288594.5/58

All: 6624.147+/-0.531 χ^2/NDF: 5334987.9/11

- sign 6617.744+/-0.761 χ^2/NDF: 3046255.0/59



Right In: -16.967+/-3.627 χ^2/NDF: 54.5/33

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -17.160+/-3.798 χ^2/NDF: 43.8/36

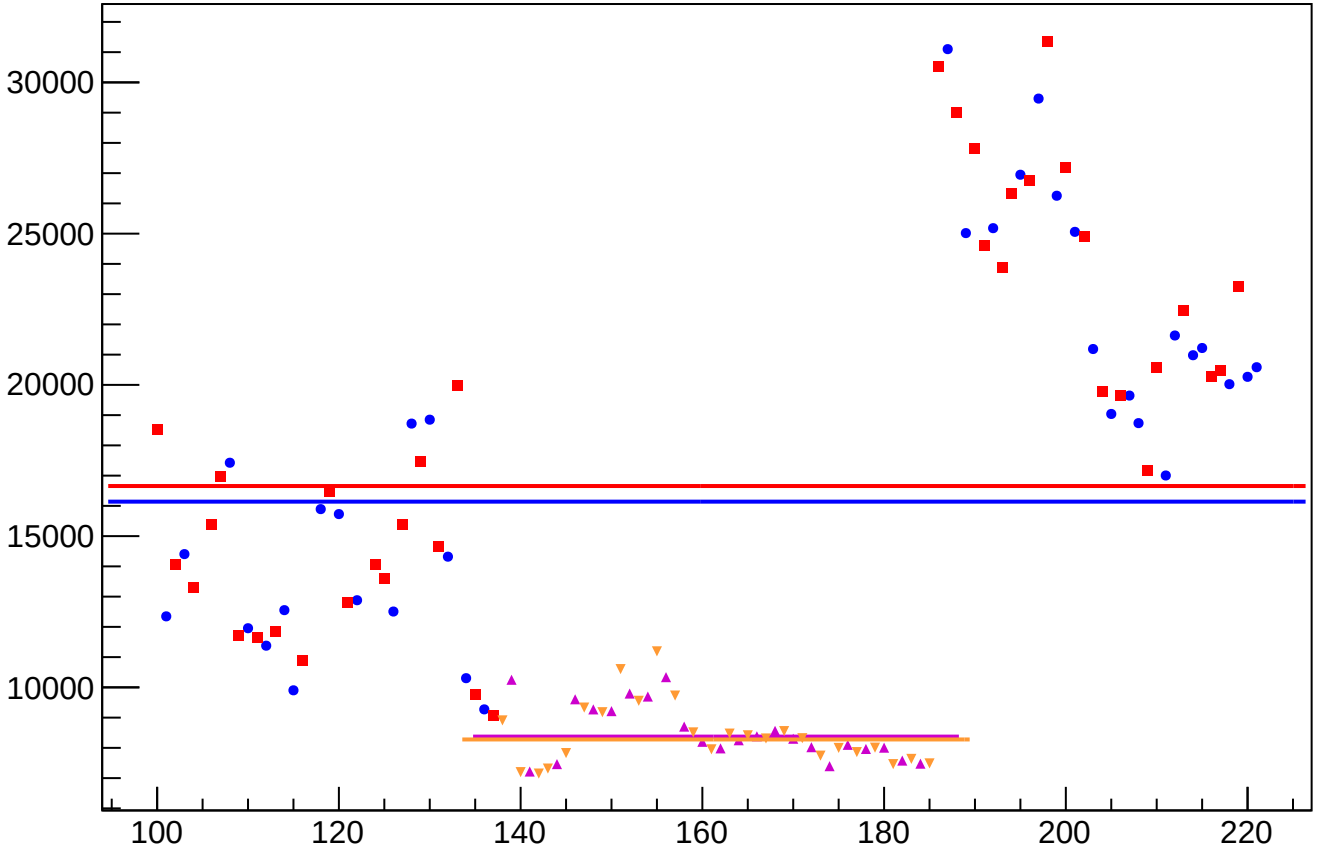
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -10.347+/-1.681 χ^2/NDF: 120.7/58

All: -7.471+/-1.212 χ^2/NDF: 214.1/118

- sign -4.360+/-1.748 χ^2/NDF: 87.3/59

diff_bpm4eX_rms vs Slug



Right In: 16140.140+/-2.564 χ^2/NDF: 4249428.4/33

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16656.243+/-2.686 χ^2/NDF: 4368982.3/36

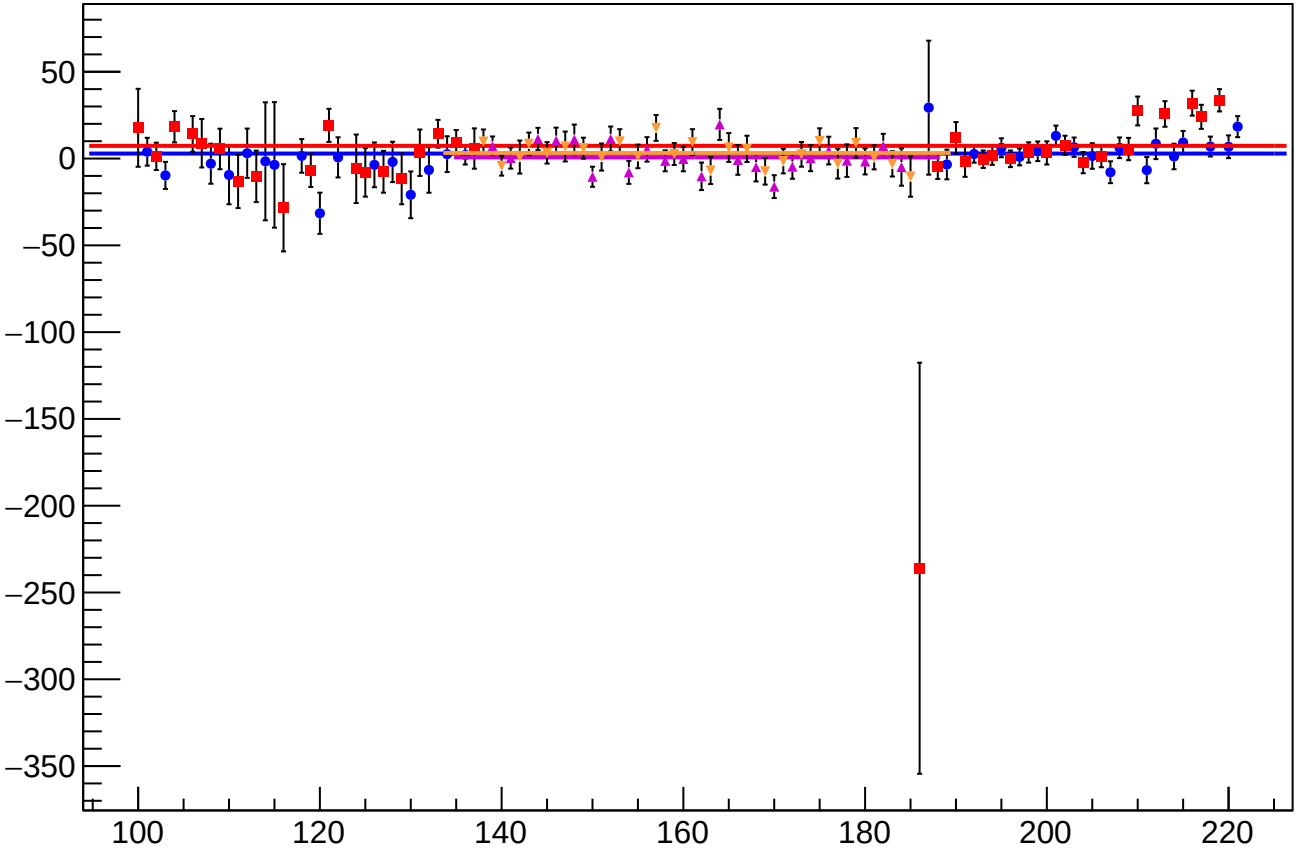
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9966.295+/-1.188 χ^2/NDF: 12085521.5/58

All: 10043.500+/-0.857 χ^2/NDF: 24355164.9

- sign 10127.011+/-1.236 χ^2/NDF: 12260858.1/59

diff_bpm4eY_mean vs Slug



Right In: 2.877+/-1.303 χ^2/NDF: 34.6/33

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 7.326+/-1.320 χ^2/NDF: 82.1/36

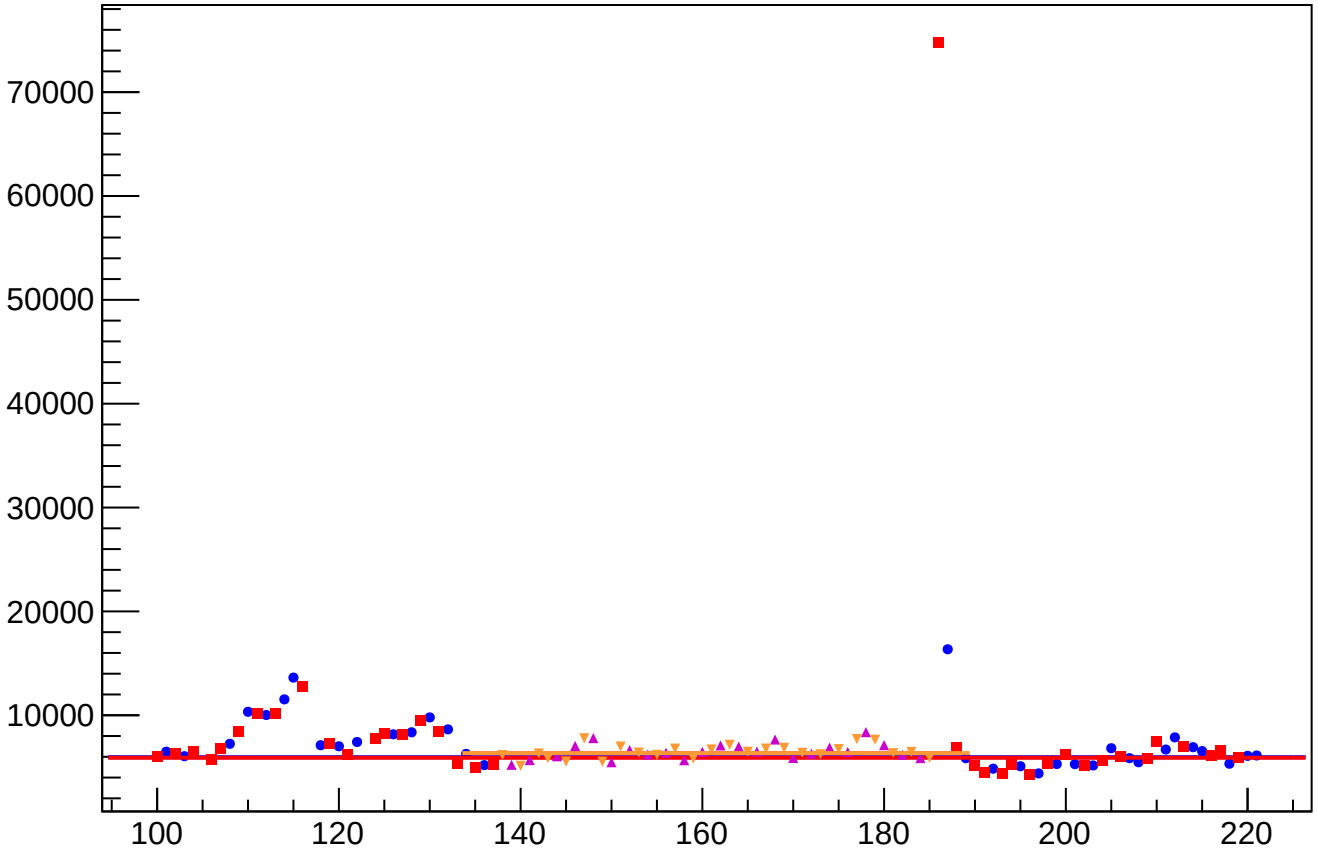
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 3.045+/-0.971 χ^2/NDF: 52.3/58

All: 3.713+/-0.694 χ^2/NDF: 177.3/118

- sign 4.408+/-0.991 χ^2/NDF: 124.0/59

diff_bpm4eY_rms vs Slug



Right In: 5958.915+/-0.922 χ^2/NDF: 1804519.5/33

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5909.953+/-0.934 χ^2/NDF: 2454430.9/36

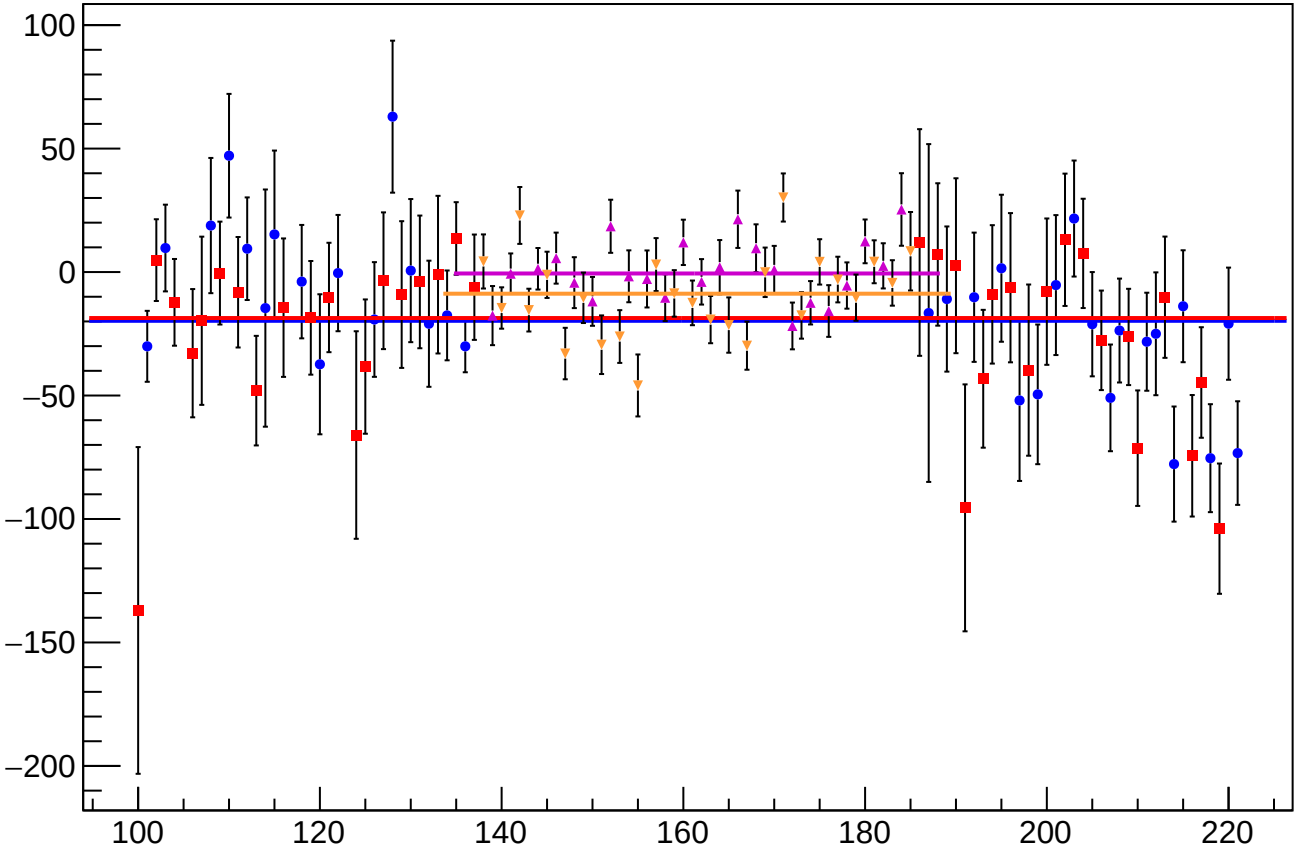
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6136.113+/-0.687 χ^2/NDF: 2301817.8/58

All: 6121.598+/-0.491 χ^2/NDF: 5332492.0/11

- sign 6106.496+/-0.701 χ^2/NDF: 3029763.1/59

diff_bpm4acX_mean vs Slug



Right In: -19.740+/-3.852 χ^2/NDF: 53.5/33

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -18.624+/-4.078 χ^2/NDF: 47.3/36

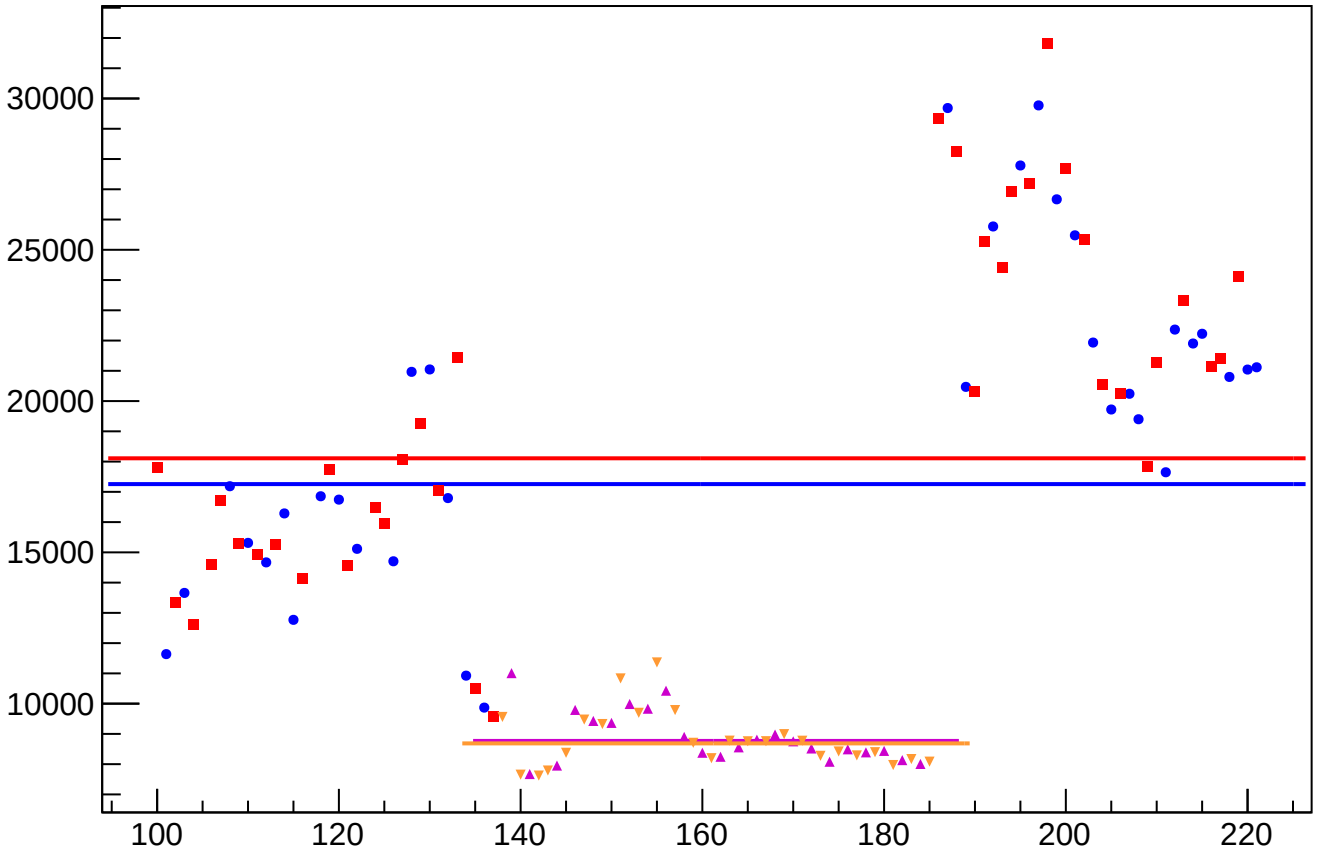
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -11.073+/-1.766 χ^2/NDF: 122.7/58

All: -7.796+/-1.273 χ^2/NDF: 222.3/118

- sign -4.246+/-1.838 χ^2/NDF: 92.5/59

diff_bpm4acX_rms vs Slug



Right In: 17256.023+/-2.724 χ^2/NDF: 3644296.8/33

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 18108.471+/-2.883 χ^2/NDF: 3416998.6/36

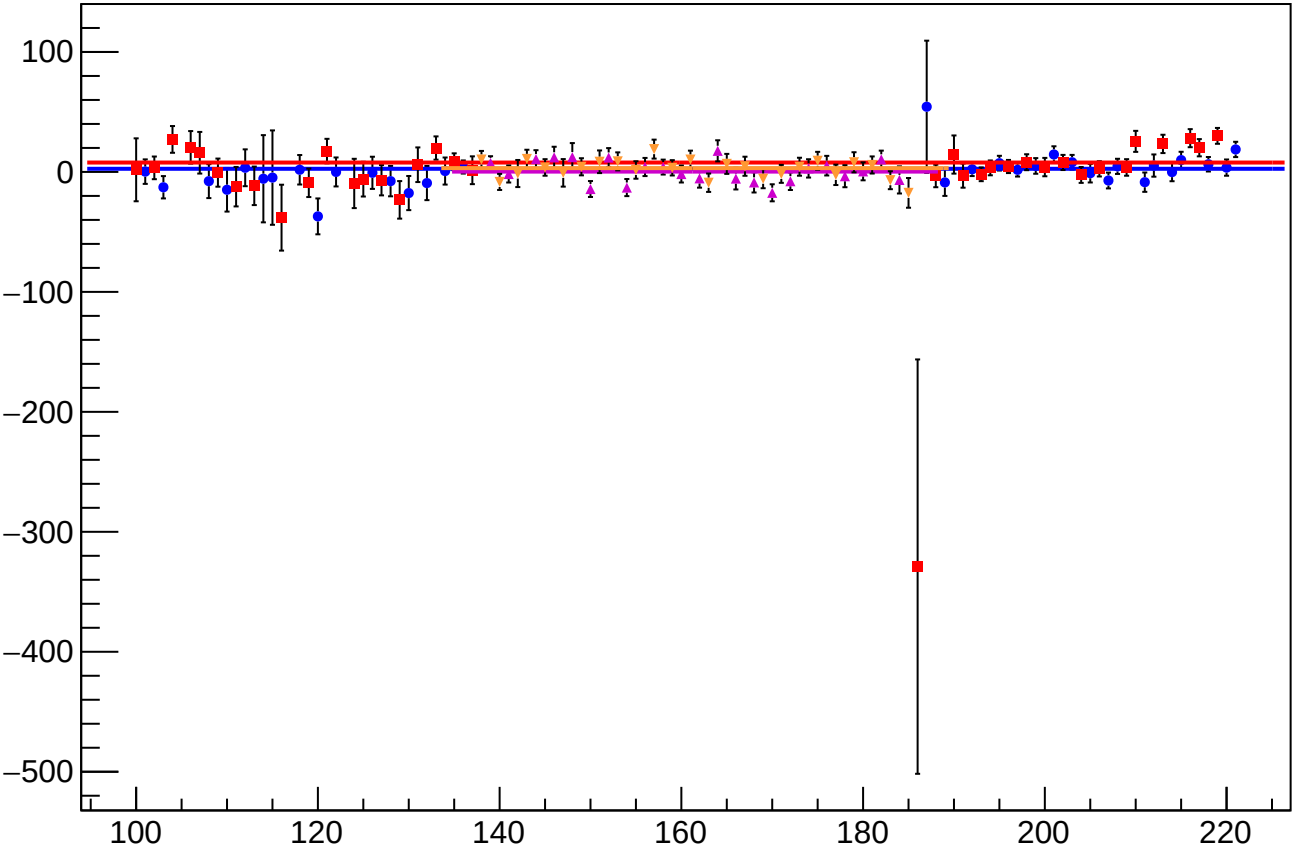
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10487.169+/-1.249 χ^2/NDF: 11804228.8/58

All: 10572.816+/-0.900 χ^2/NDF: 23888877.0

- sign 10665.608+/-1.300 χ^2/NDF: 12074846.3/59

diff_bpm4acY_mean vs Slug



Right In: 2.614+/-1.430 χ^2/NDF: 34.0/33

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 7.822+/-1.472 χ^2/NDF: 66.2/36

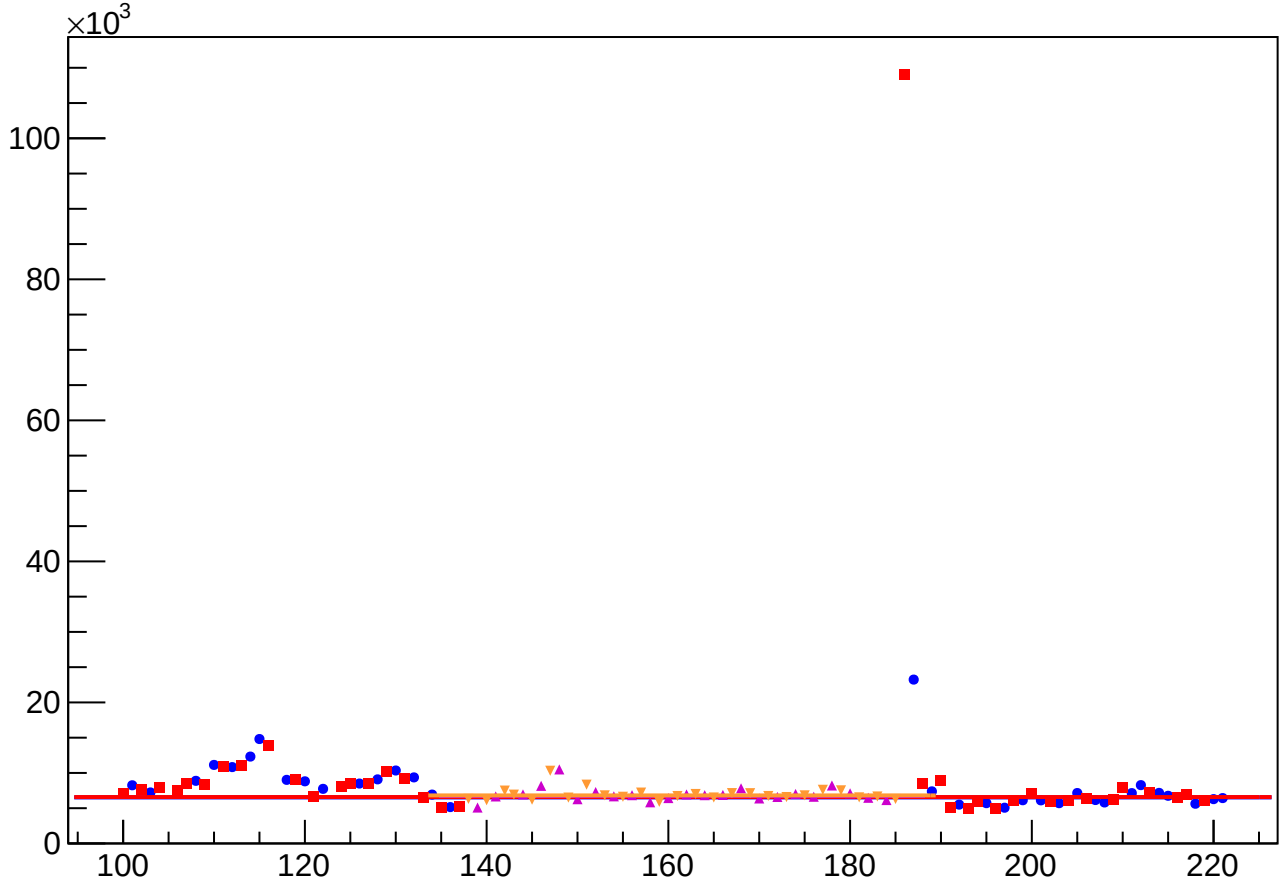
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.868+/-1.055 χ^2/NDF: 55.8/58

All: 3.584+/-0.755 χ^2/NDF: 169.3/118

- sign 4.336+/-1.080 χ^2/NDF: 112.6/59

diff_bpm4acY_rms vs Slug



Right In: 6528.797+/-1.011 χ^2/NDF: 1846828.1/33

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6579.249+/-1.041 χ^2/NDF: 2411060.5/36

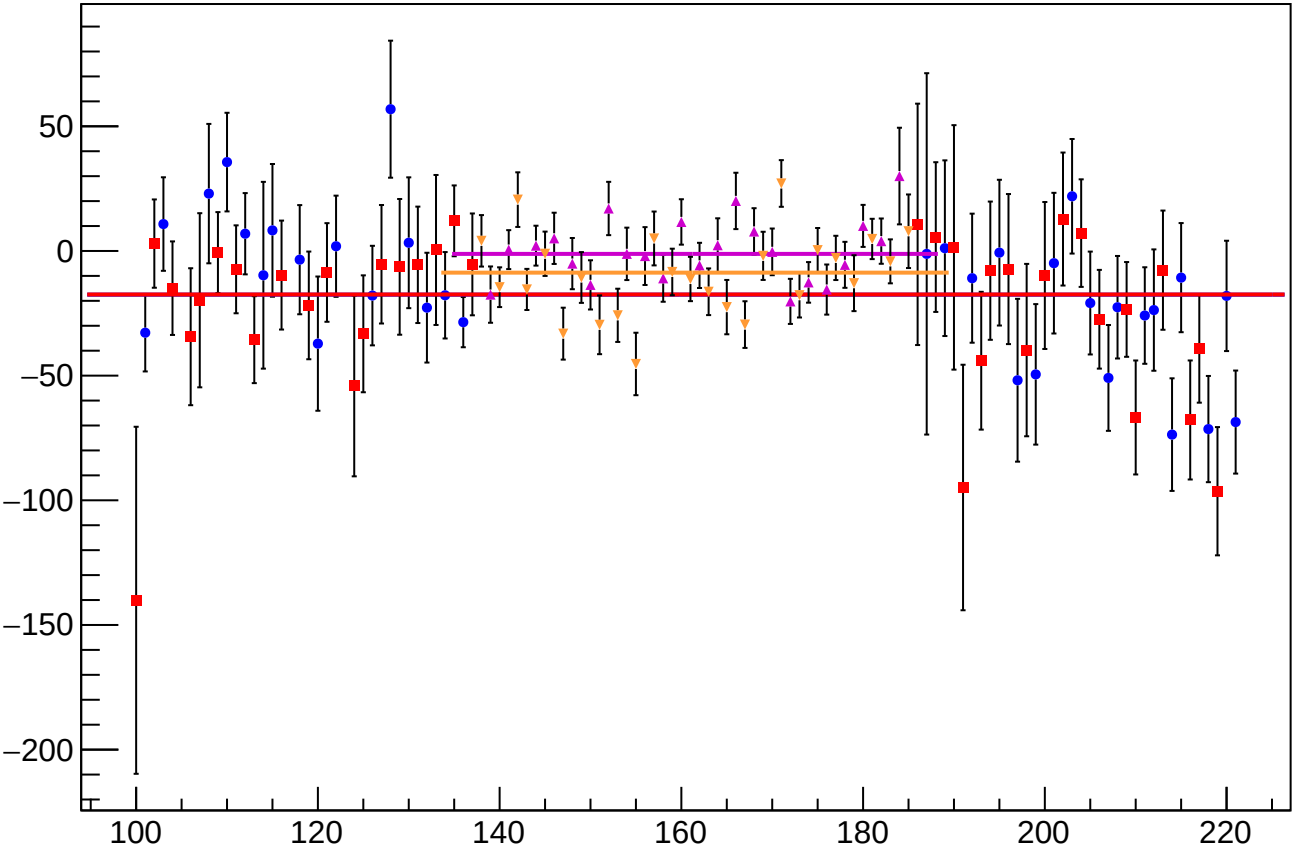
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6658.363+/-0.746 χ^2/NDF: 2277469.3/58

All: 6653.231+/-0.534 χ^2/NDF: 5308069.7/11

- sign 6647.846+/-0.764 χ^2/NDF: 3030503.4/59

diff_bpm4ecX_mean vs Slug



Right In: -17.528+/-3.674 χ^2/NDF: 54.8/33

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

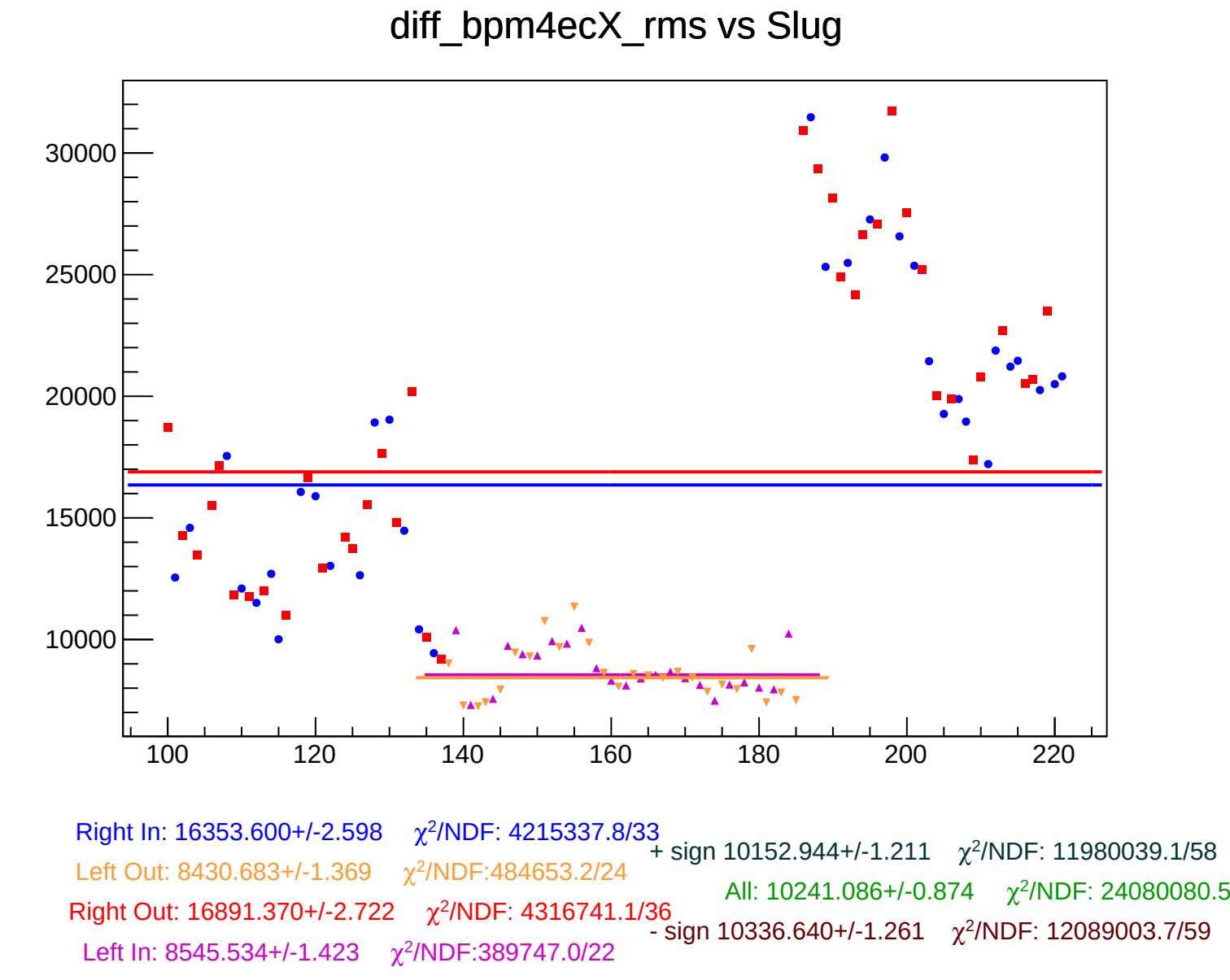
Right Out: -17.457+/-3.850 χ^2/NDF: 42.7/36

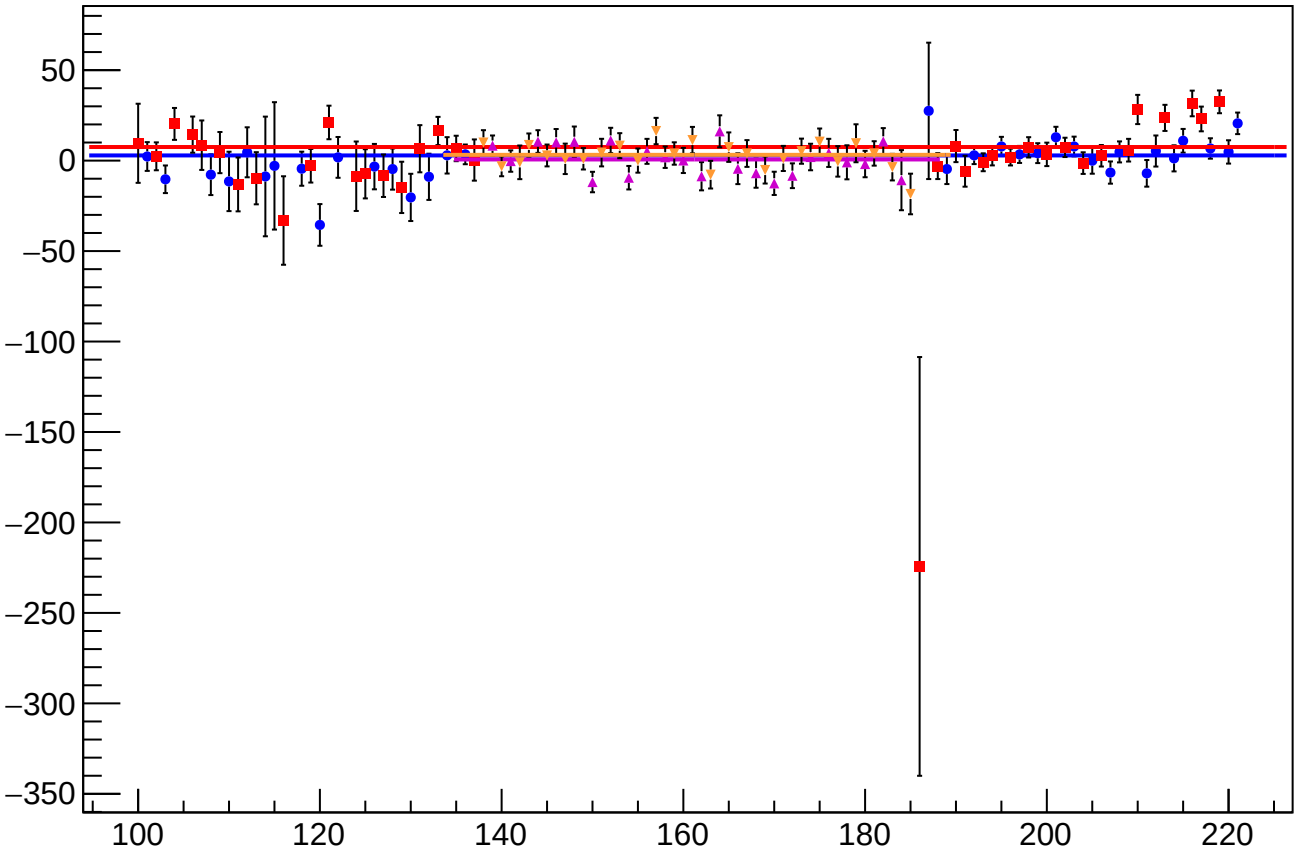
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -10.613+/-1.713 χ^2/NDF: 120.7/58

All: -7.761+/-1.235 χ^2/NDF: 211.8/118

- sign -4.668+/-1.783 χ^2/NDF: 85.3/59


diff_bpm4ecX_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16353.600+/-2.598 χ²/NDF: 4215337.8/33
Left Out: 8430.683+/-1.369 χ²/NDF:484653.2/24
Right Out: 16891.370+/-2.722 χ²/NDF: 4316741.1/36
Left In: 8545.534+/-1.423 χ²/NDF:389747.0/22
+ sign 10152.944+/-1.211 χ²/NDF: 11980039.1/58
All: 10241.086+/-0.874 χ²/NDF: 24080080.5
- sign 10336.640+/-1.261 χ²/NDF: 12089003.7/59



Right In: 2.865+/-1.273 χ^2/NDF: 42.8/33

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 7.515+/-1.289 χ^2/NDF: 81.7/36

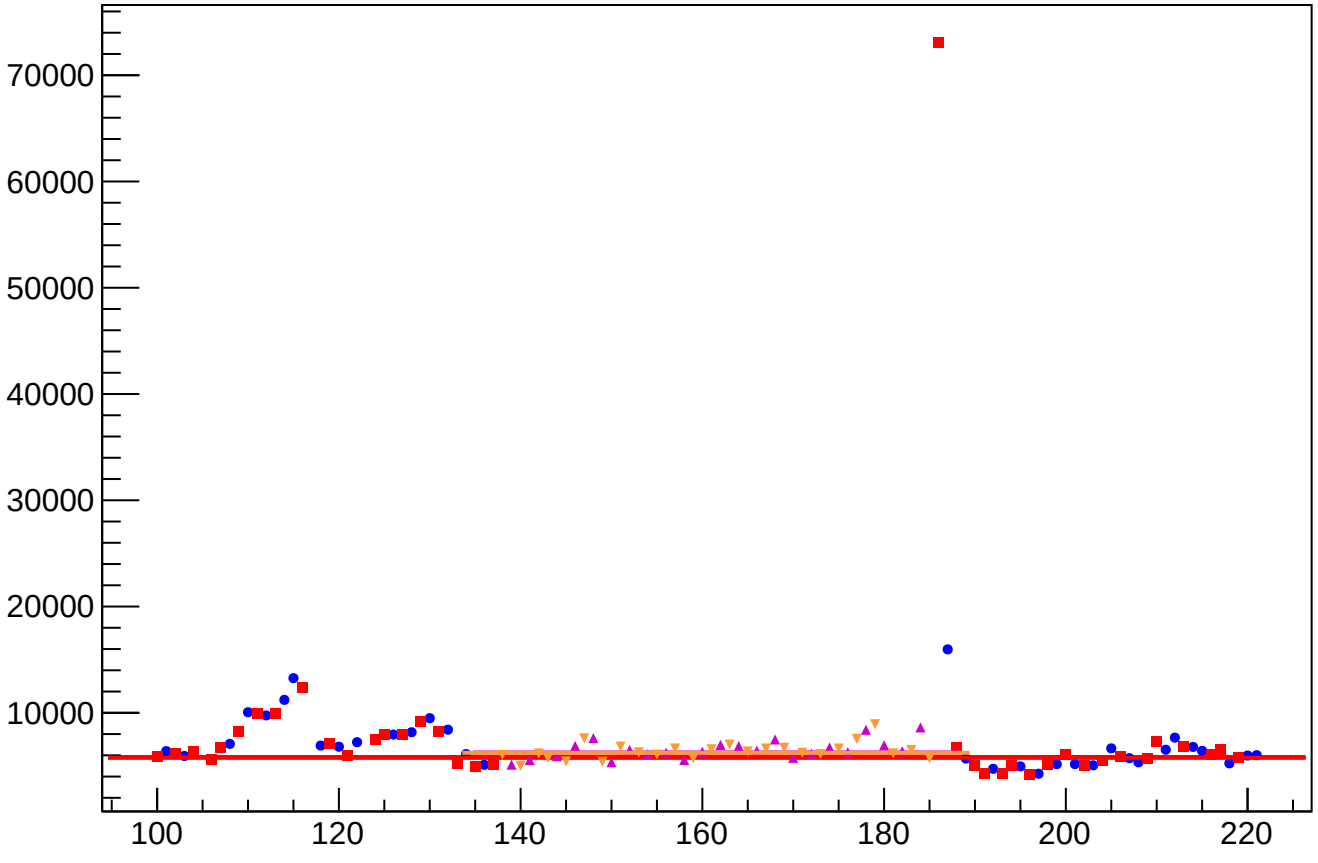
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 3.006+/-0.952 χ^2/NDF: 61.5/58

All: 3.763+/-0.680 χ^2/NDF: 188.6/118

- sign 4.551+/-0.972 χ^2/NDF: 125.8/59

diff_bpm4ecY_rms vs Slug



Right In: 5819.741+/-0.900 χ^2/NDF: 1804519.8/33

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5766.869+/-0.911 χ^2/NDF: 2442214.0/36

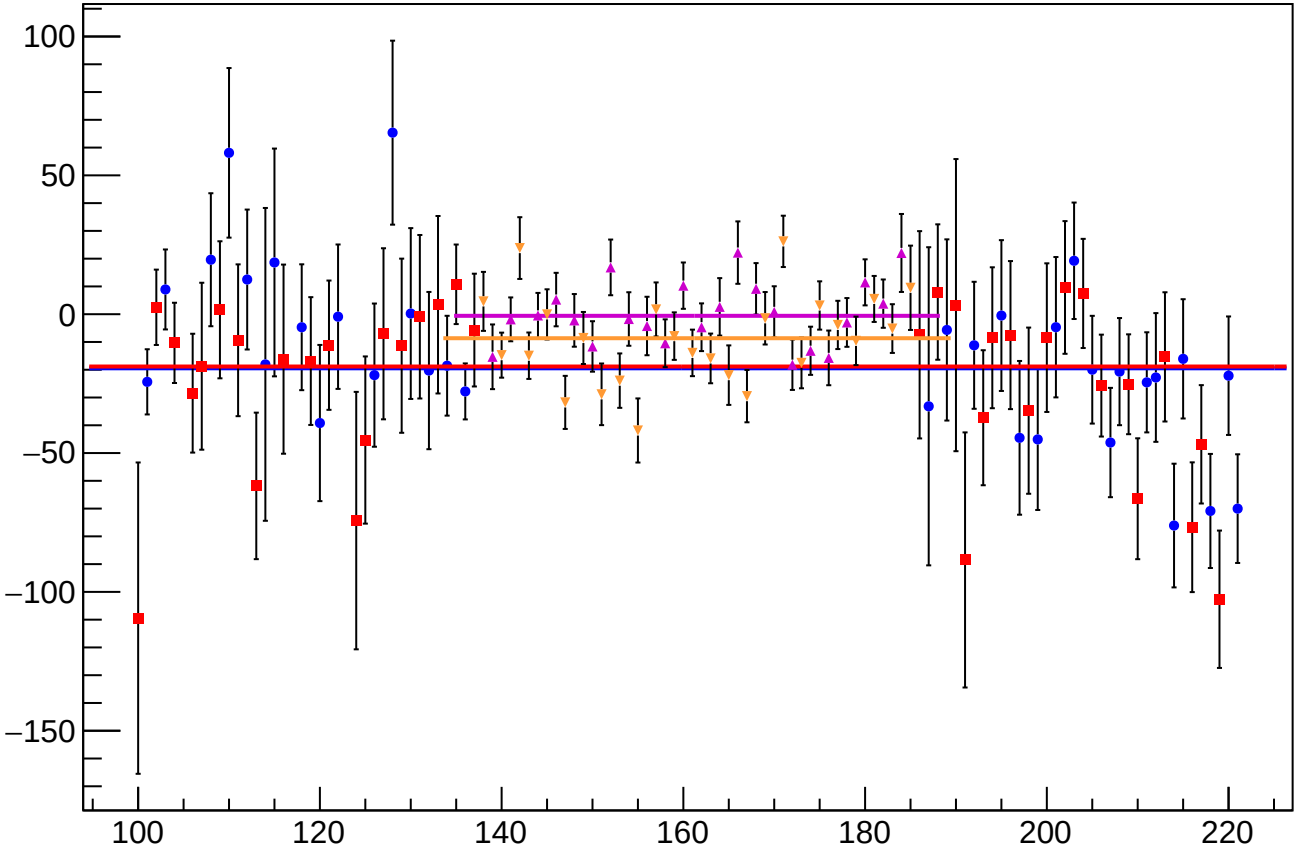
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6003.977+/-0.673 χ^2/NDF: 2407297.4/58

All: 5993.602+/-0.481 χ^2/NDF: 5504711.1/11

- sign 5982.786+/-0.688 χ^2/NDF: 3096928.8/59

diff_bpm1X_mean vs Slug



Right In: -19.482+/-3.648 χ^2/NDF: 52.6/33

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -18.840+/-3.882 χ^2/NDF: 49.9/36

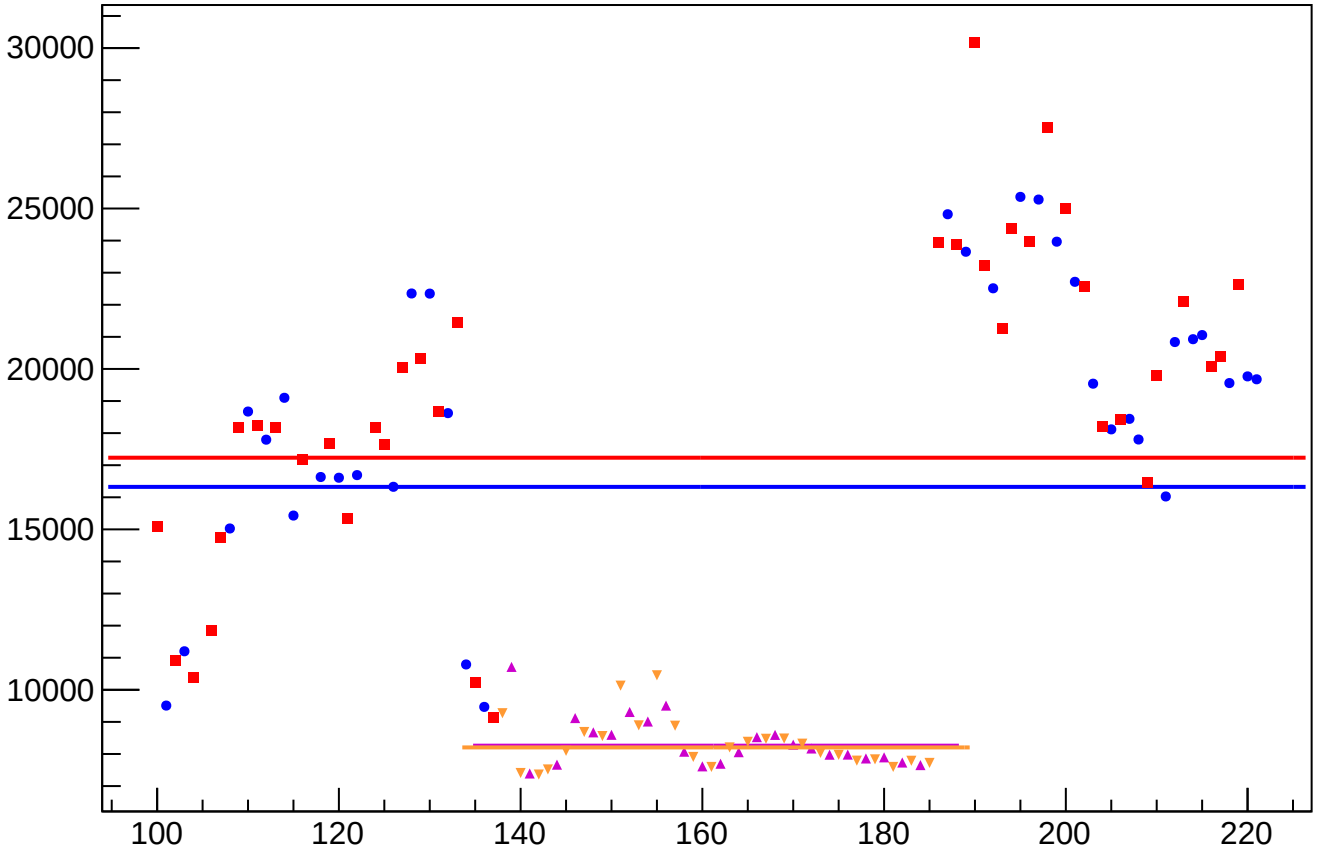
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -10.914+/-1.668 χ^2/NDF: 122.6/58

All: -7.702+/-1.202 χ^2/NDF: 226.5/118

- sign -4.227+/-1.735 χ^2/NDF: 96.1/59

diff_bpm1X_rms vs Slug



Right In: 16324.445+/-2.579 χ^2/NDF: 3778945.6/33

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 17233.573+/-2.745 χ^2/NDF: 3437282.6/36

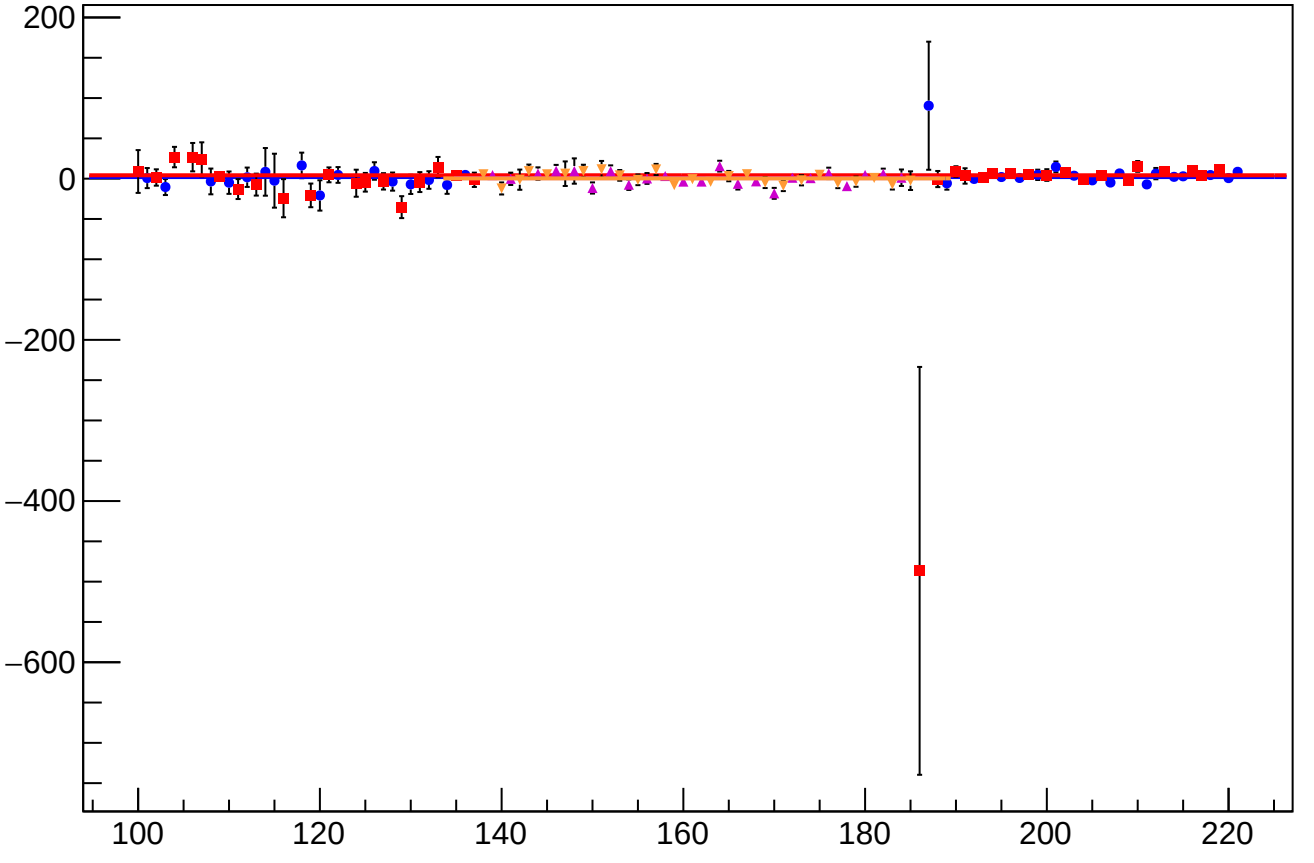
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9901.700+/-1.179 χ^2/NDF: 11891200.5/58

All: 9973.198+/-0.850 χ^2/NDF: 24147102.0/1

- sign 10050.549+/-1.227 χ^2/NDF: 12248247.9/59

diff_bpm1Y_mean vs Slug



Right In: 2.001+/-1.208 χ^2/NDF: 20.8/33

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 4.213+/-1.222 χ^2/NDF: 38.0/36

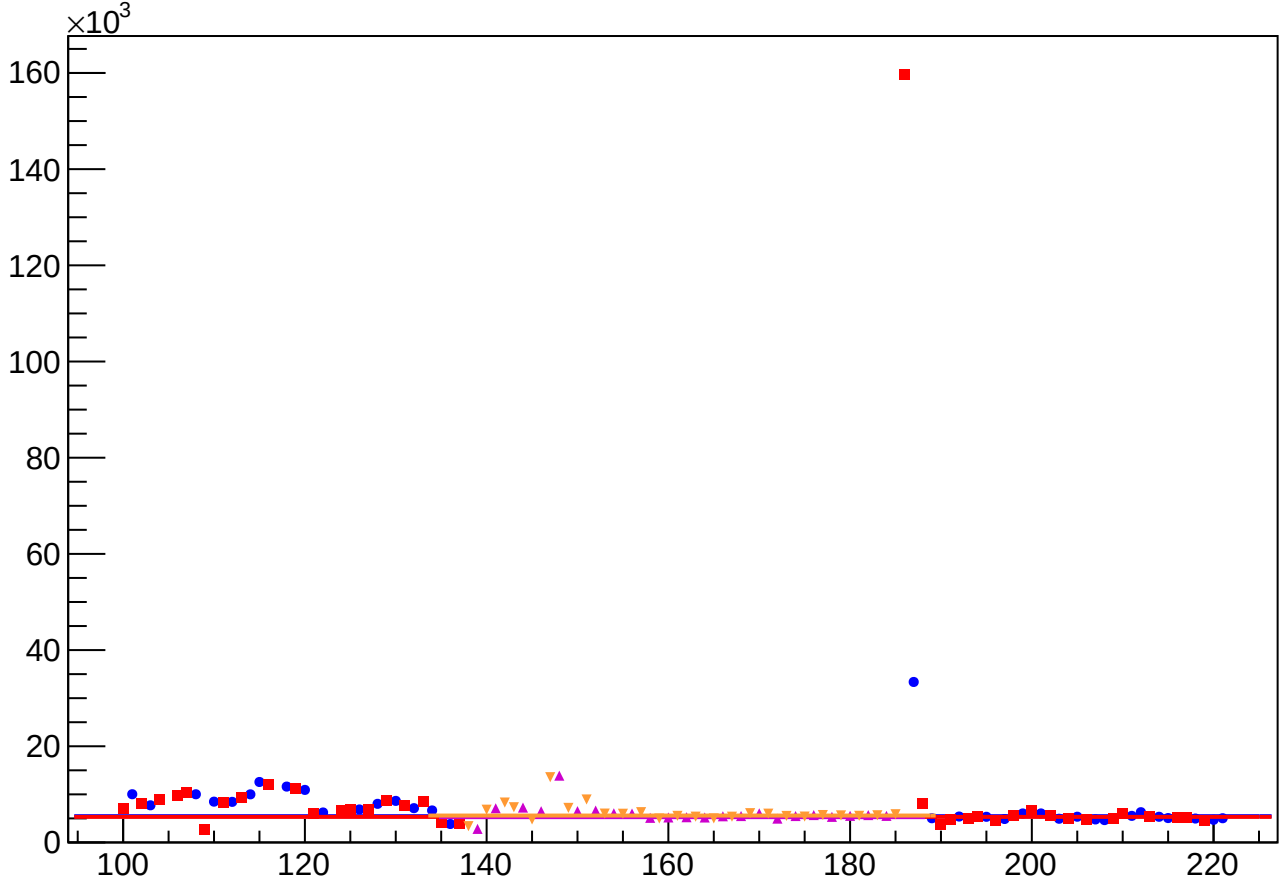
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 1.251+/-0.892 χ^2/NDF: 43.2/58

All: 1.908+/-0.629 χ^2/NDF: 116.0/118

- sign 2.558+/-0.887 χ^2/NDF: 71.8/59

diff_bpm1Y_rms vs Slug



Right In: 5463.876+/-0.854 χ^2/NDF: 2569552.9/33

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5317.401+/-0.864 χ^2/NDF: 3870631.4/36

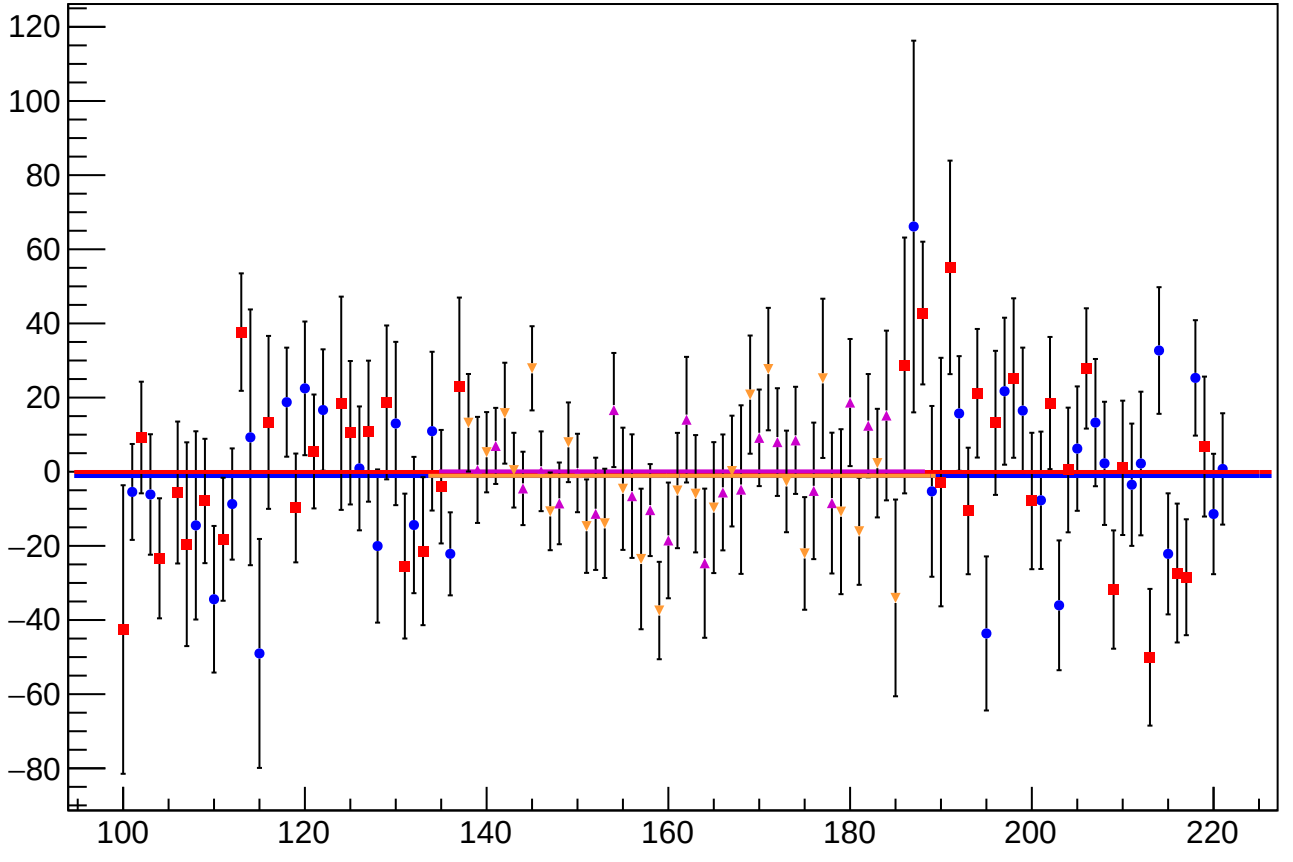
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5523.323+/-0.630 χ^2/NDF: 4364458.7/58

All: 5406.910+/-0.445 χ^2/NDF: 10730459.5/1

- sign 5291.591+/-0.627 χ^2/NDF: 6298126.0/59

diff_bpm11X_mean vs Slug



Right In: -1.158+/-3.013 χ^2/NDF: 40.0/33

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

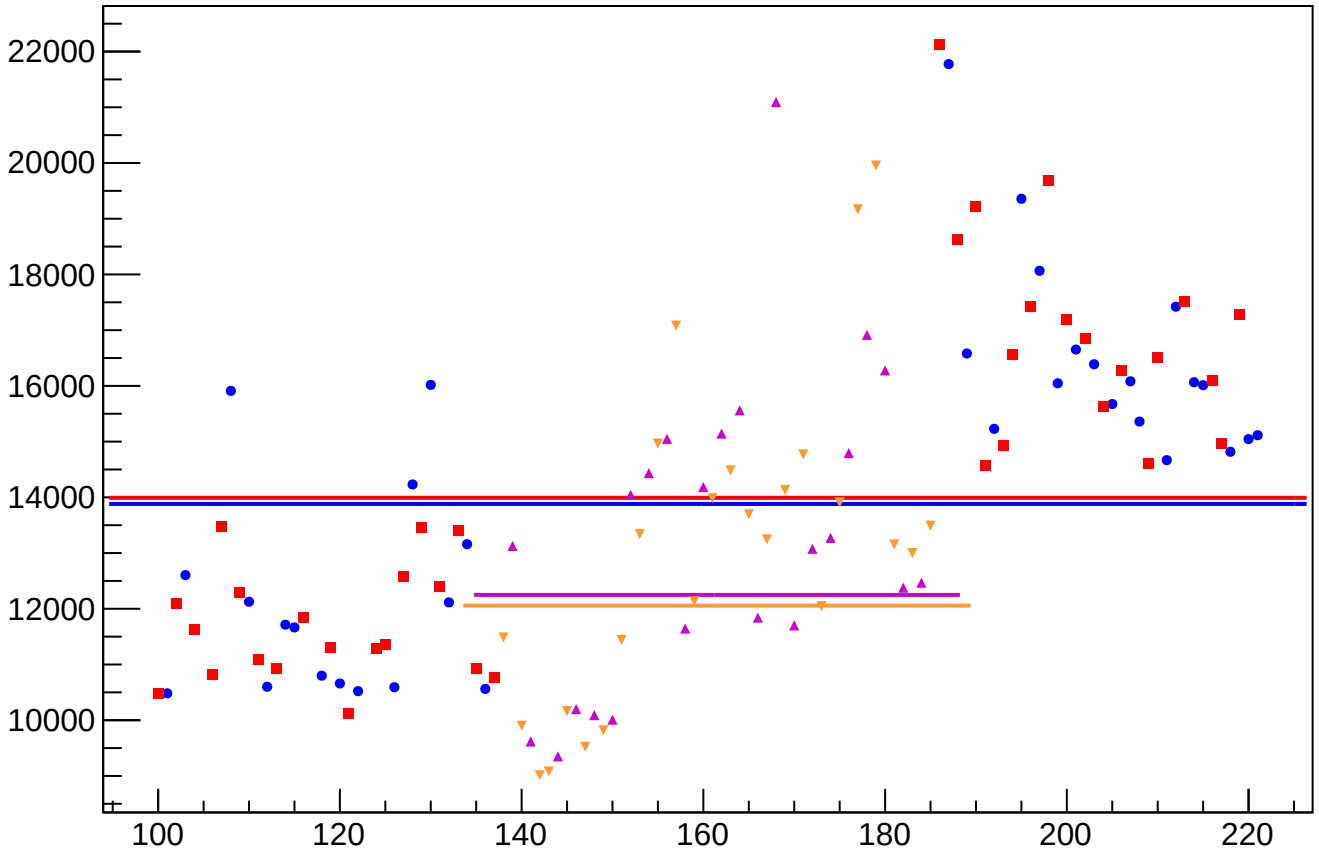
Right Out: -0.071+/-3.083 χ^2/NDF: 52.1/36

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.133+/-2.056 χ^2/NDF: 73.8/58

All: -0.579+/-1.477 χ^2/NDF: 137.4/118

- sign 0.011+/-2.122 χ^2/NDF: 63.5/59



Right In: 13881.038+/-2.131 χ^2/NDF: 1501125.6/33

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13991.330+/-2.180 χ^2/NDF: 1621343.4/36

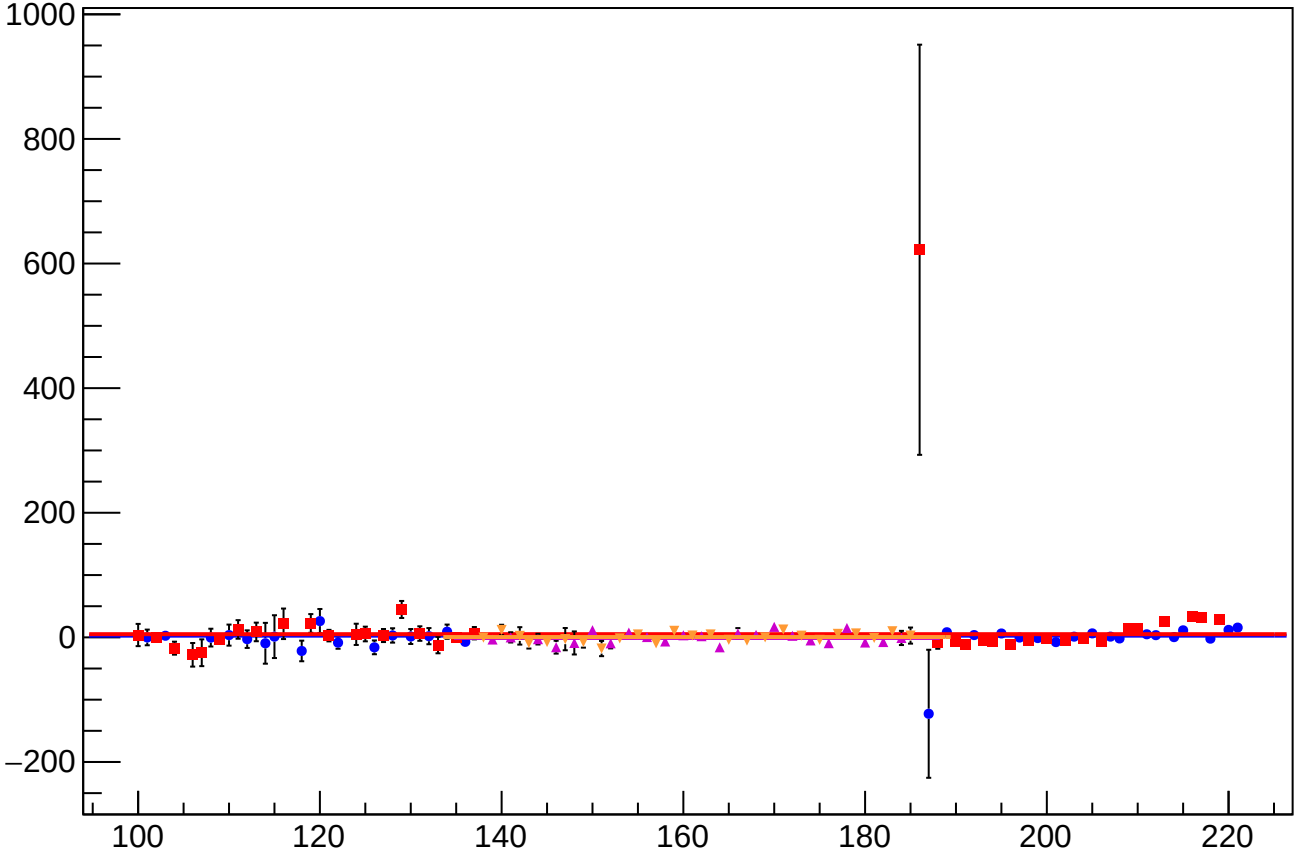
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12906.269+/-1.454 χ^2/NDF: 3454571.8/58

All: 12987.938+/-1.044 χ^2/NDF: 6834493.4/1

- sign 13074.938+/-1.501 χ^2/NDF: 3373405.9/59

diff_bpm11Y_mean vs Slug



Right In: 2.779+/-1.013 χ^2/NDF: 41.0/33

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

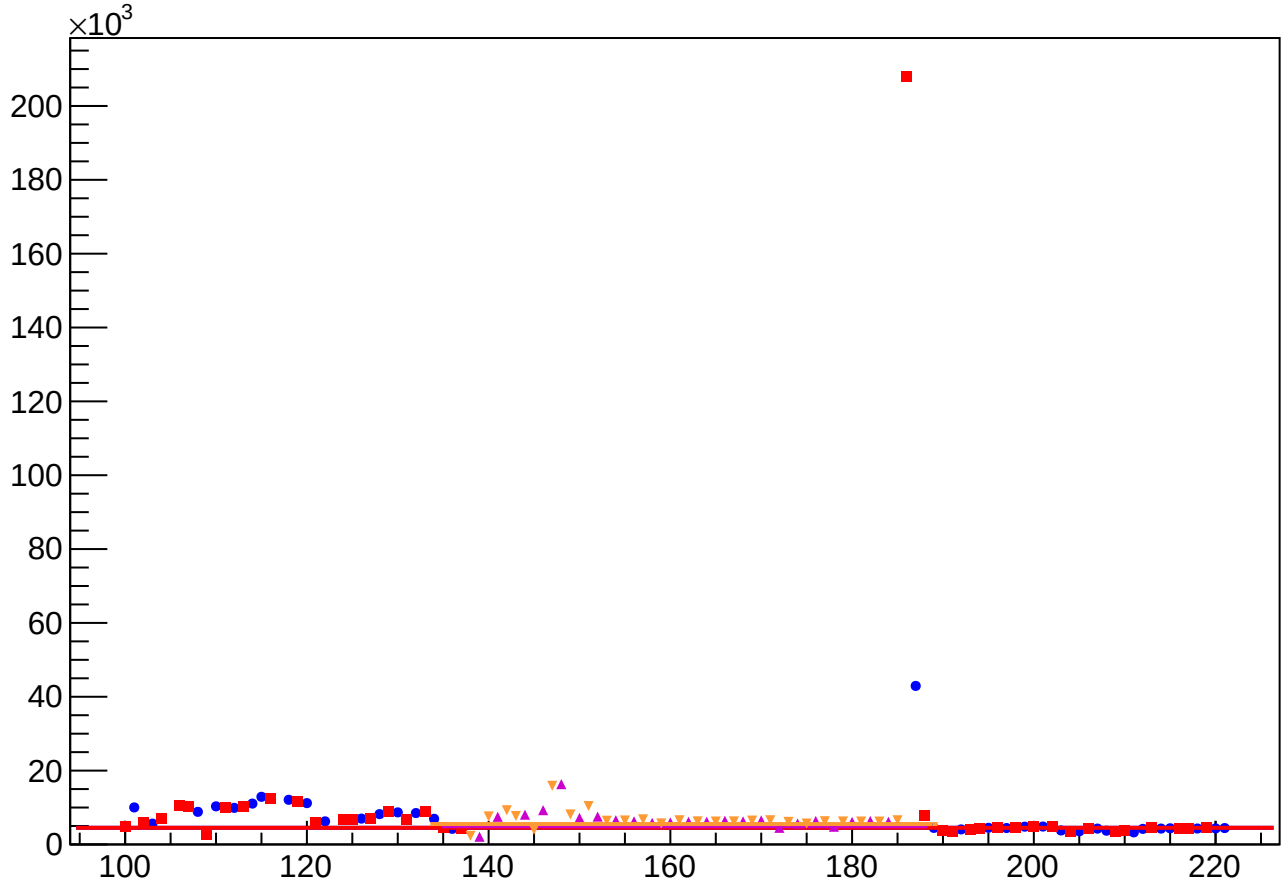
Right Out: 5.118+/-1.049 χ^2/NDF: 205.2/36

Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 1.981+/-0.814 χ^2/NDF: 64.2/58

All: 2.347+/-0.576 χ^2/NDF: 315.2/118

- sign 2.714+/-0.815 χ^2/NDF: 250.7/59



Right In: 4508.877+/-0.716 χ^2/NDF: 3733219.6/33

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

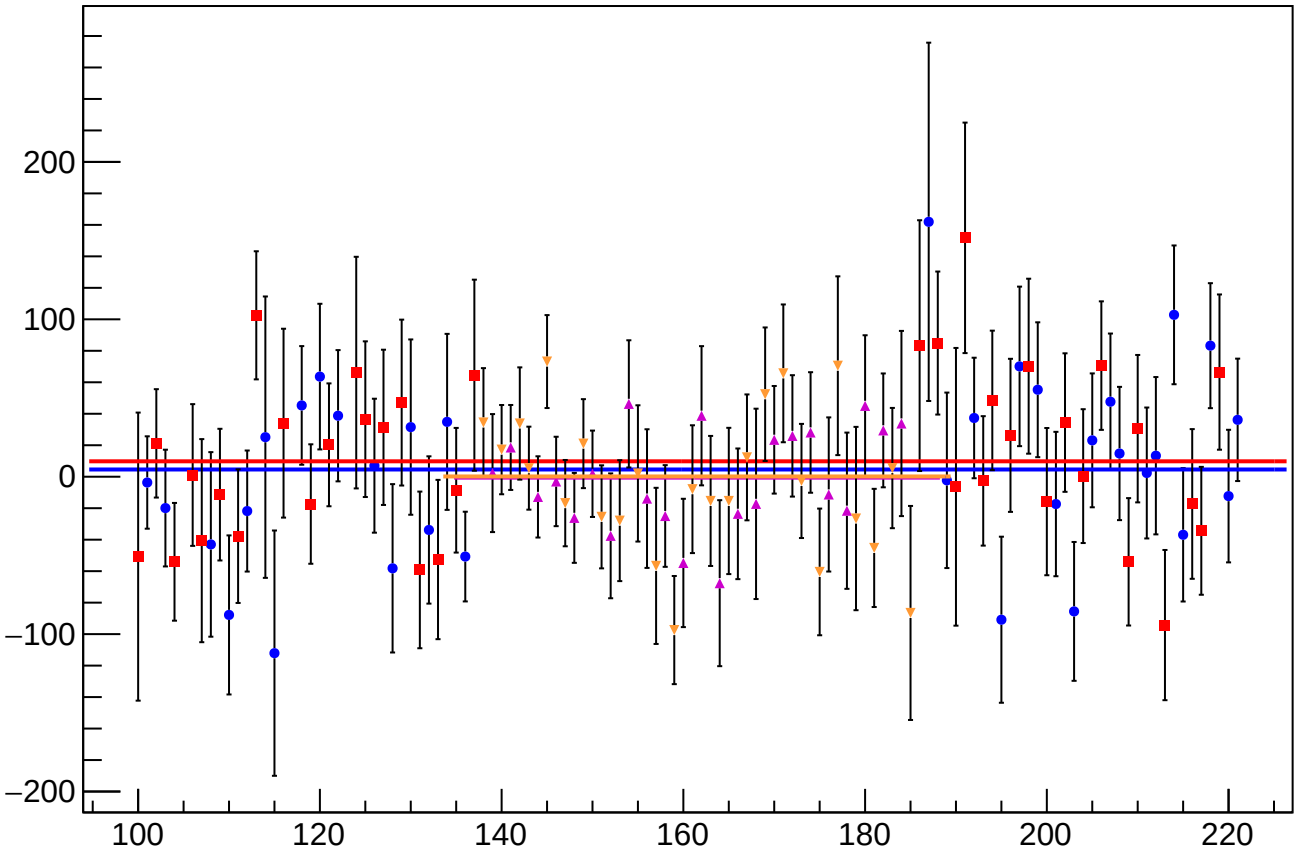
Right Out: 4511.610+/-0.742 χ^2/NDF: 4243639.6/36

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4869.616+/-0.576 χ^2/NDF: 8825204.6/58

All: 4775.976+/-0.407 χ^2/NDF: 19191359.6/1

- sign 4682.210+/-0.576 χ^2/NDF: 10313229.7/59



Right In: 4.595+/-7.574 χ^2/NDF: 42.4/33

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

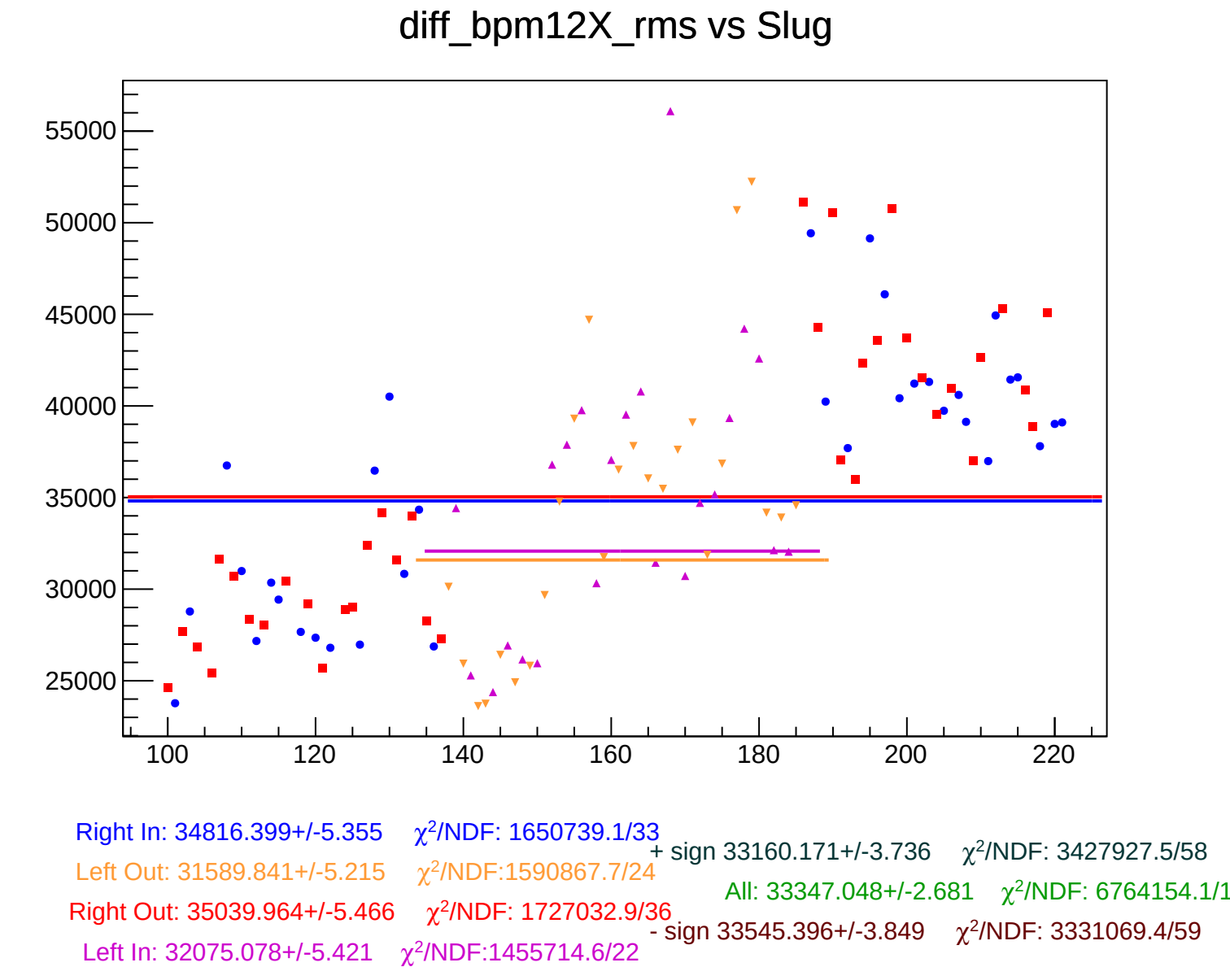
Right Out: 9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

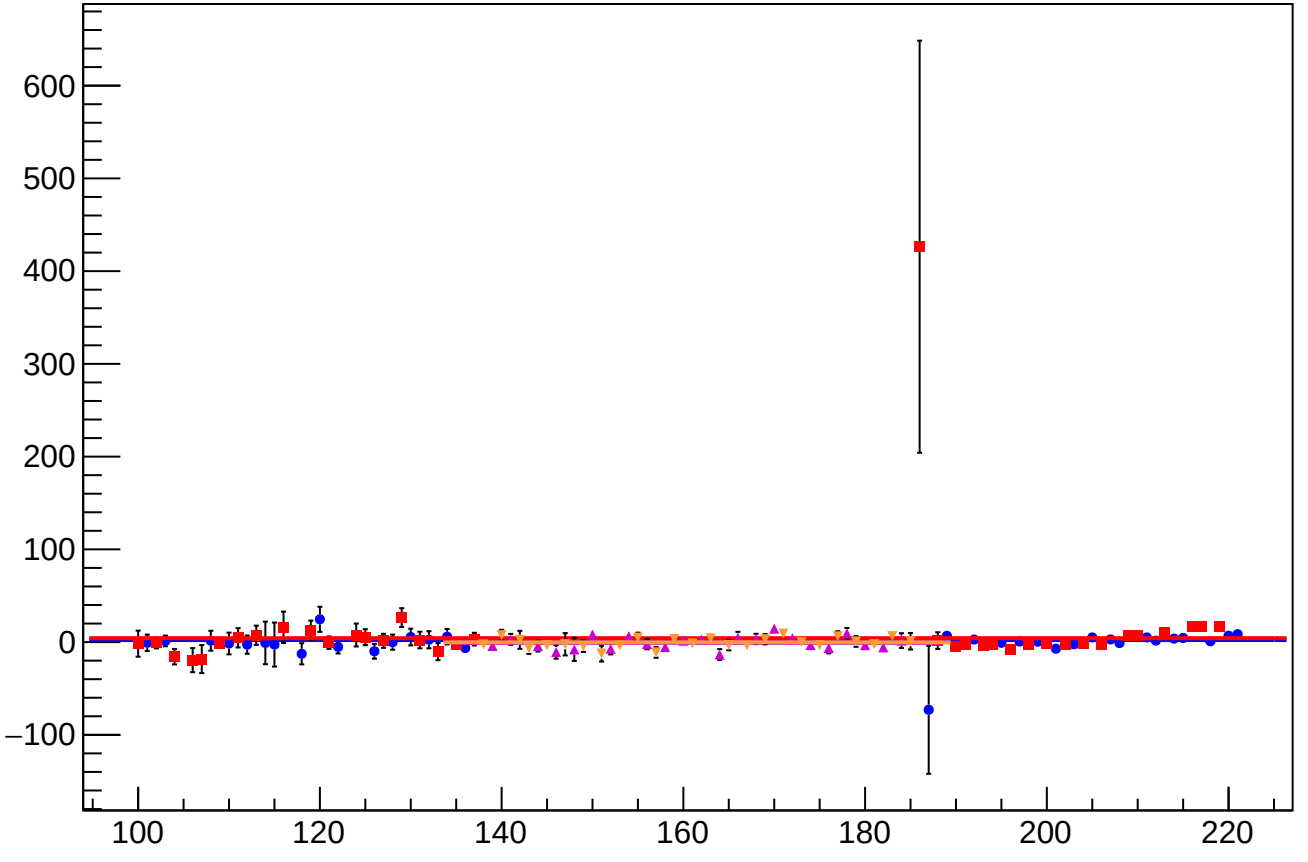
+ sign 2.322+/-5.284 χ^2/NDF: 73.7/58

All: 3.408+/-3.791 χ^2/NDF: 127.8/118

- sign 4.561+/-5.443 χ^2/NDF: 54.0/59


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34816.399+/-5.355 χ²/NDF: 1650739.1/33
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 33160.171+/-3.736 χ²/NDF: 3427927.5/58
All: 33347.048+/-2.681 χ²/NDF: 6764154.1/1
- sign 33545.396+/-3.849 χ²/NDF: 3331069.4/59

diff_bpm12Y_mean vs Slug



Right In: 2.229+/-0.573 χ^2/NDF: 50.4/33

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 4.215+/-0.622 χ^2/NDF: 183.8/36

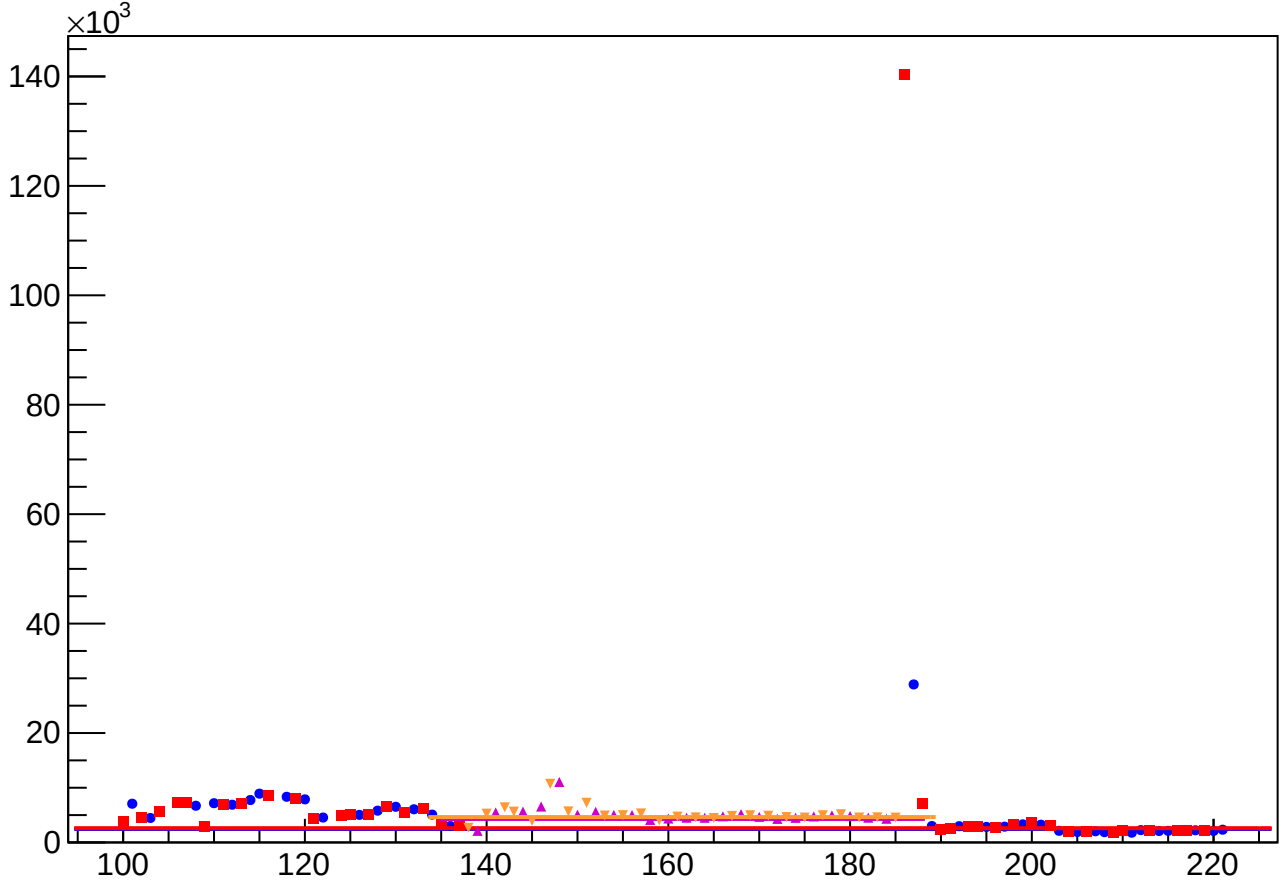
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

\+ sign 1.700+/-0.508 χ^2/NDF: 74.2/58

All: 2.283+/-0.369 χ^2/NDF: 311.1/118

\- sign 2.935+/-0.537 χ^2/NDF: 234.1/59

diff_bpm12Y_rms vs Slug



Right In: 2474.214+/-0.405 χ^2/NDF: 6109634.4/33

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2606.315+/-0.440 χ^2/NDF: 6562501.2/36

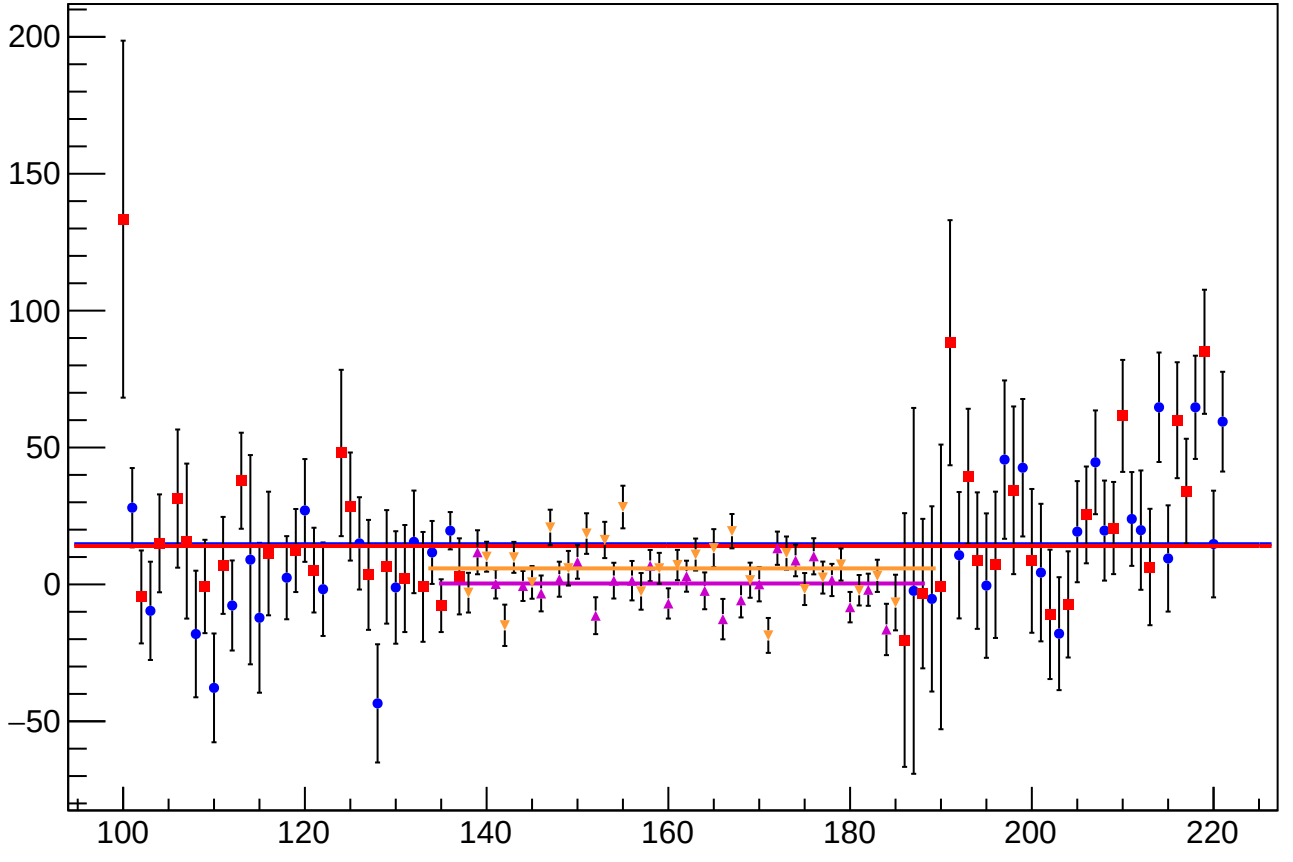
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 2940.206+/-0.359 χ^2/NDF: 14008638.4/58

All: 2986.681+/-0.261 χ^2/NDF: 27474716.9/1

- sign 3038.595+/-0.379 χ^2/NDF: 13430602.2/59

diff_bpm16X_mean vs Slug



Right In: 14.679+/-3.050 χ^2/NDF: 53.2/33

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 14.026+/-3.296 χ^2/NDF: 46.5/36

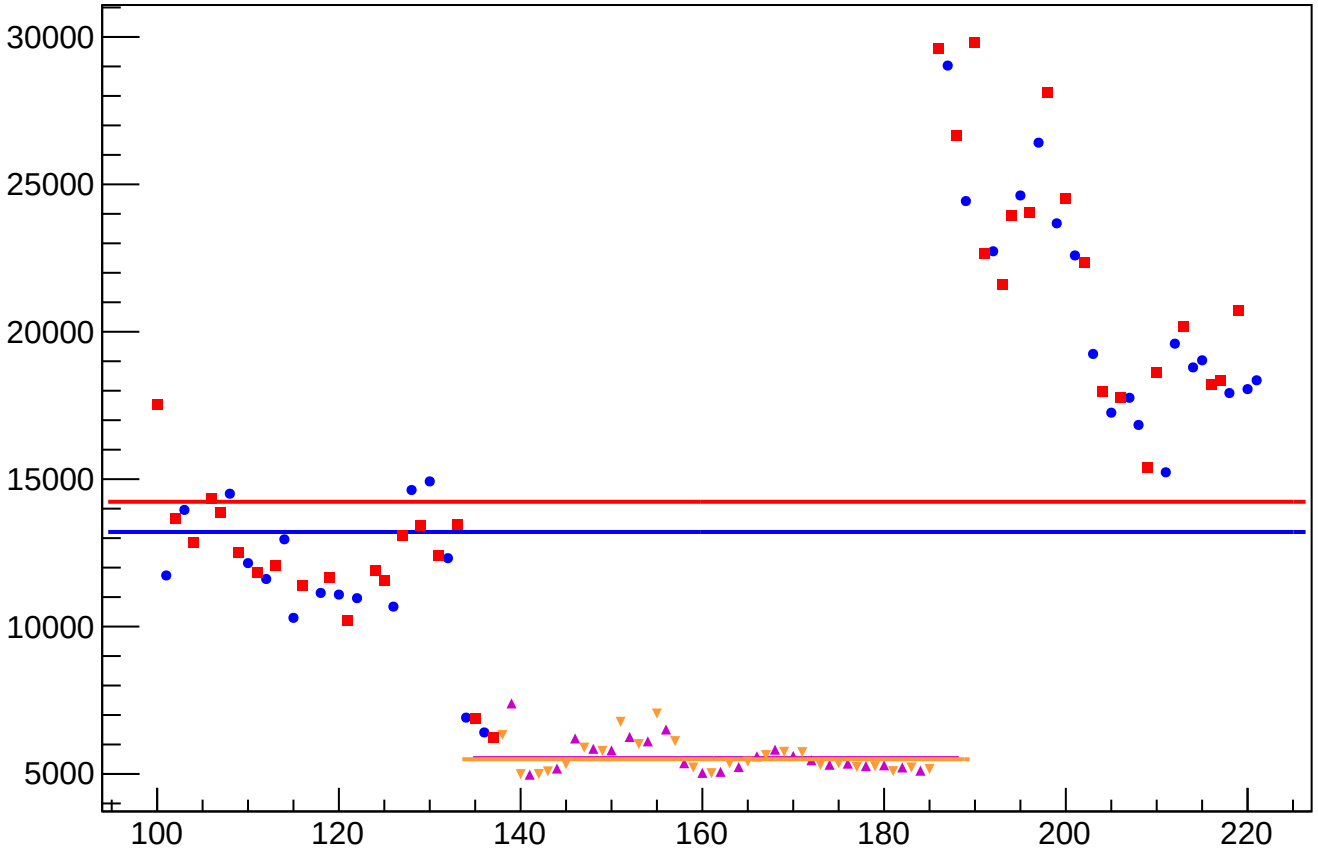
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 7.132+/-1.162 χ^2/NDF: 120.4/58

All: 4.756+/-0.838 χ^2/NDF: 219.8/118

- sign 2.181+/-1.210 χ^2/NDF: 90.8/59

diff_bpm16X_rms vs Slug



Right In: 13208.625+/-2.157 χ^2/NDF: 6331654.6/33

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14232.969+/-2.331 χ^2/NDF: 5561693.2/36

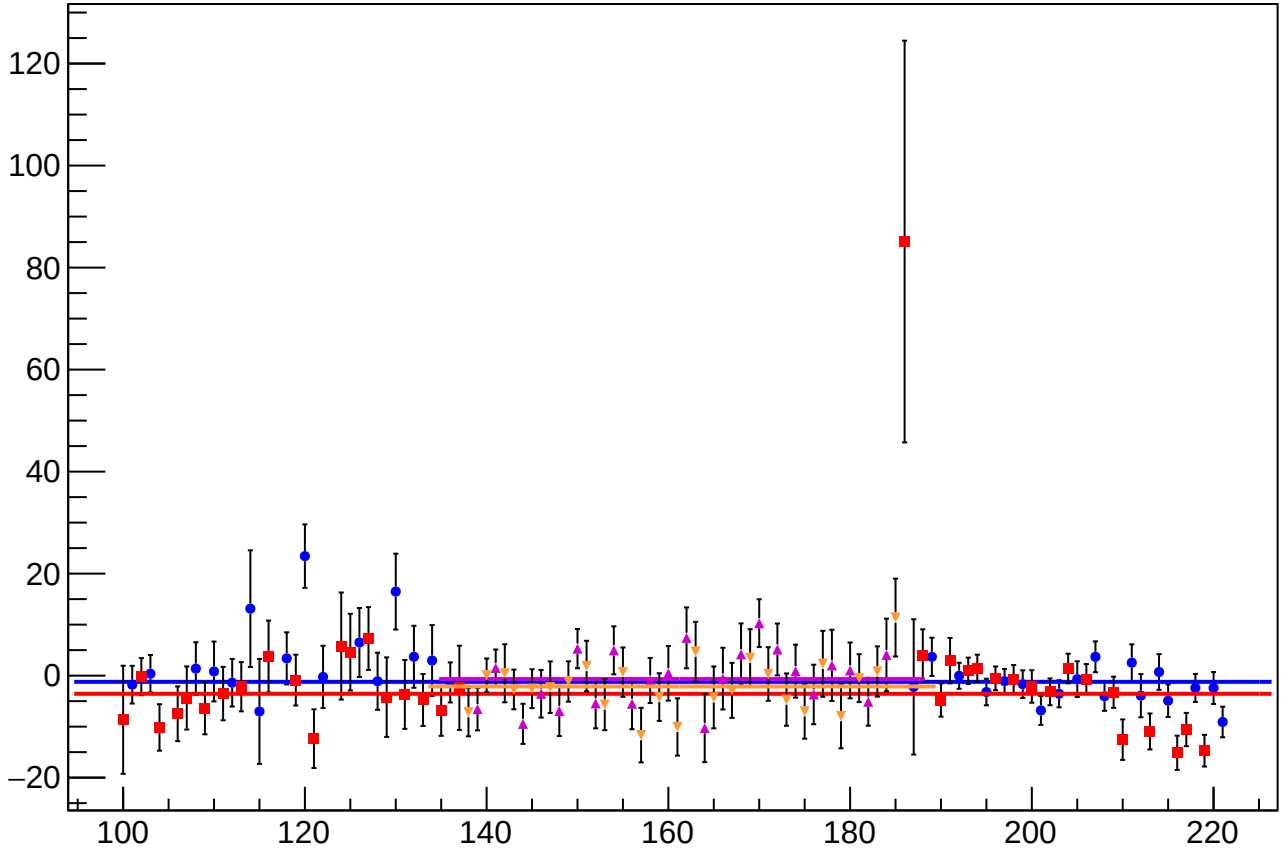
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6619.188+/-0.822 χ^2/NDF: 17551545.5/58

All: 6662.494+/-0.593 χ^2/NDF: 35464887.0/1

- sign 6709.411+/-0.856 χ^2/NDF: 17907558.9/59

diff_bpm16Y_mean vs Slug



Right In: -1.218+/-0.635 χ^2/NDF: 48.2/33

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

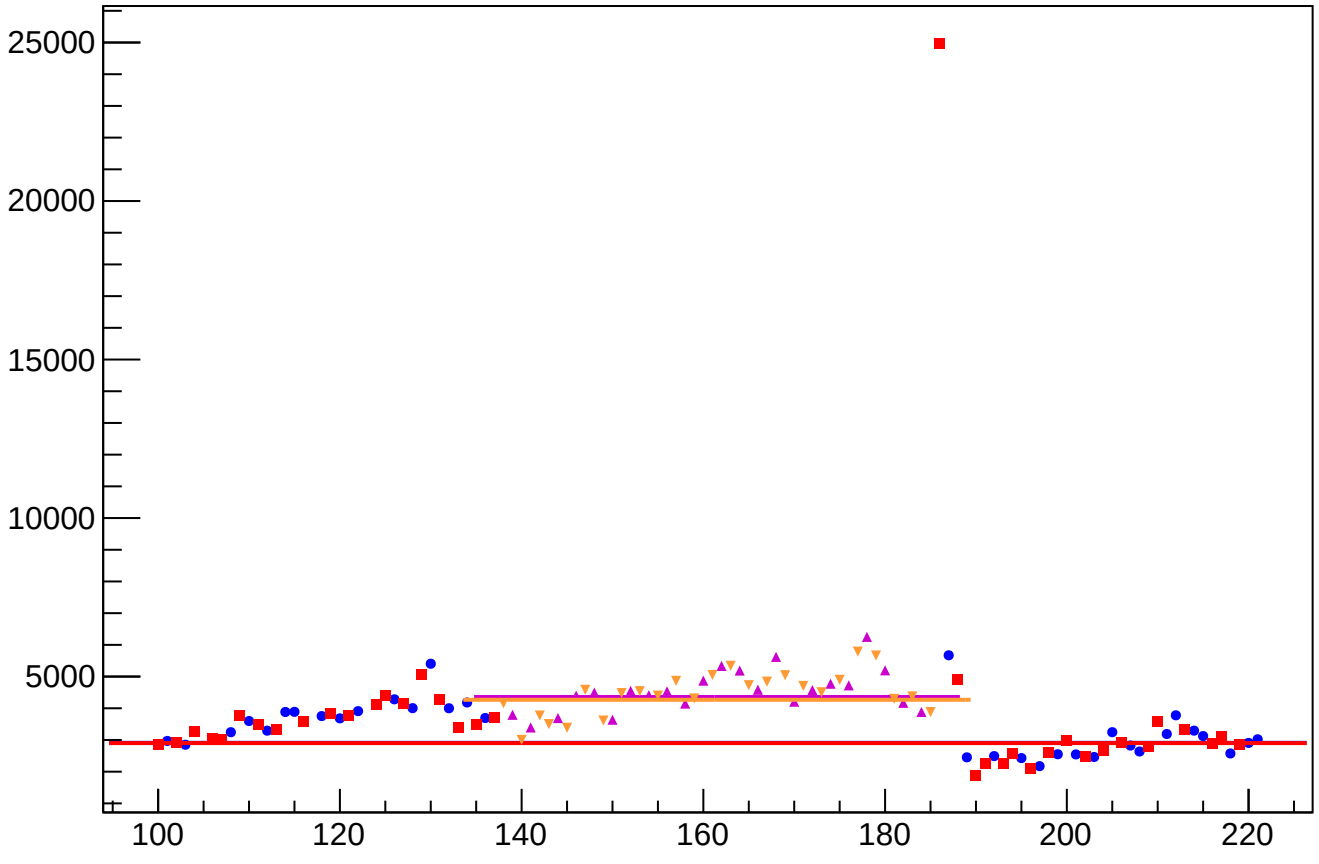
Right Out: -3.560+/-0.647 χ^2/NDF: 75.3/36

Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

\+ sign -1.481+/-0.534 χ^2/NDF: 66.3/58

All: -2.096+/-0.383 χ^2/NDF: 178.3/118

\- sign -2.744+/-0.548 χ^2/NDF: 109.3/59



Right In: 2909.583+/-0.449 χ^2/NDF: 1569135.0/33

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.720+/-0.458 χ^2/NDF: 2523621.1/36

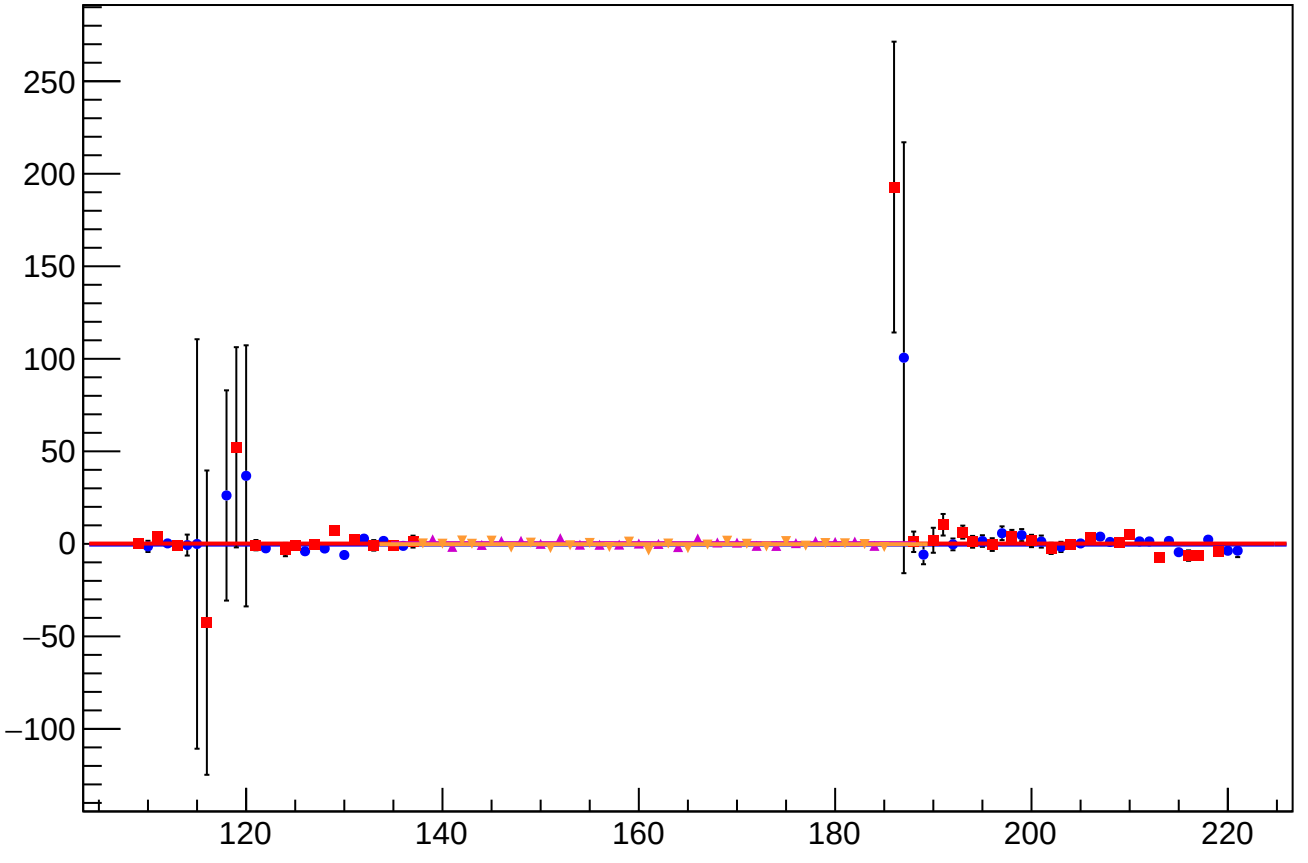
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3307.170+/-0.378 χ^2/NDF: 5280191.5/58

All: 3309.854+/-0.270 χ^2/NDF: 11401824.1/1

- sign 3312.680+/-0.388 χ^2/NDF: 6121529.0/59

diff_bpm1p02bX_mean vs Slug



Right In: -0.409+/-0.479 χ^2/NDF: 35.7/30

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.158+/-0.497 χ^2/NDF: 60.0/31

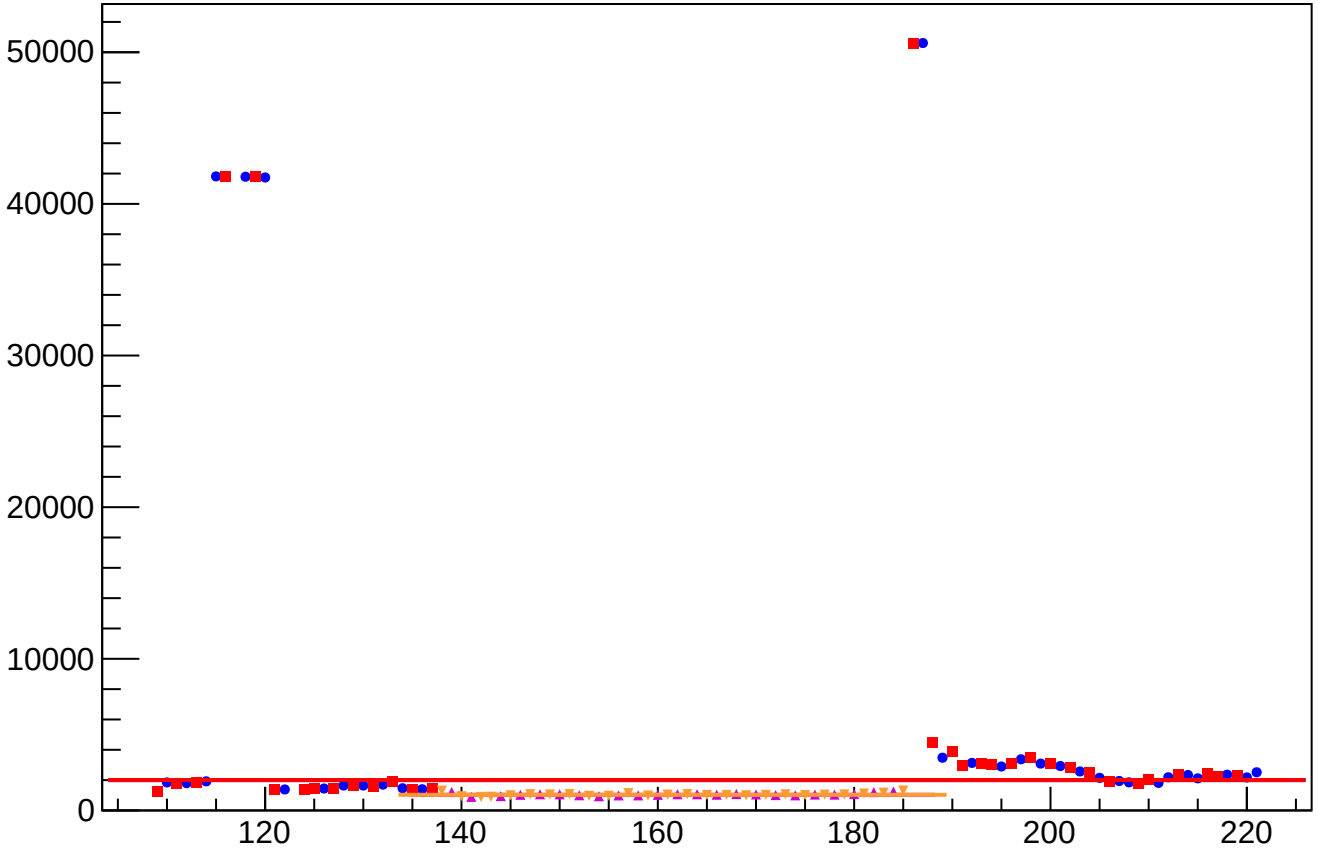
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.242+/-0.211 χ^2/NDF: 69.7/55

All: 0.021+/-0.152 χ^2/NDF: 162.5/110

- sign 0.300+/-0.218 χ^2/NDF: 89.5/54

diff_bpm1p02bX_rms vs Slug



Right In: 1998.376+/-0.338 χ^2/NDF: 4584247.3/30

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 2007.177+/-0.351 χ^2/NDF: 5525514.5/31

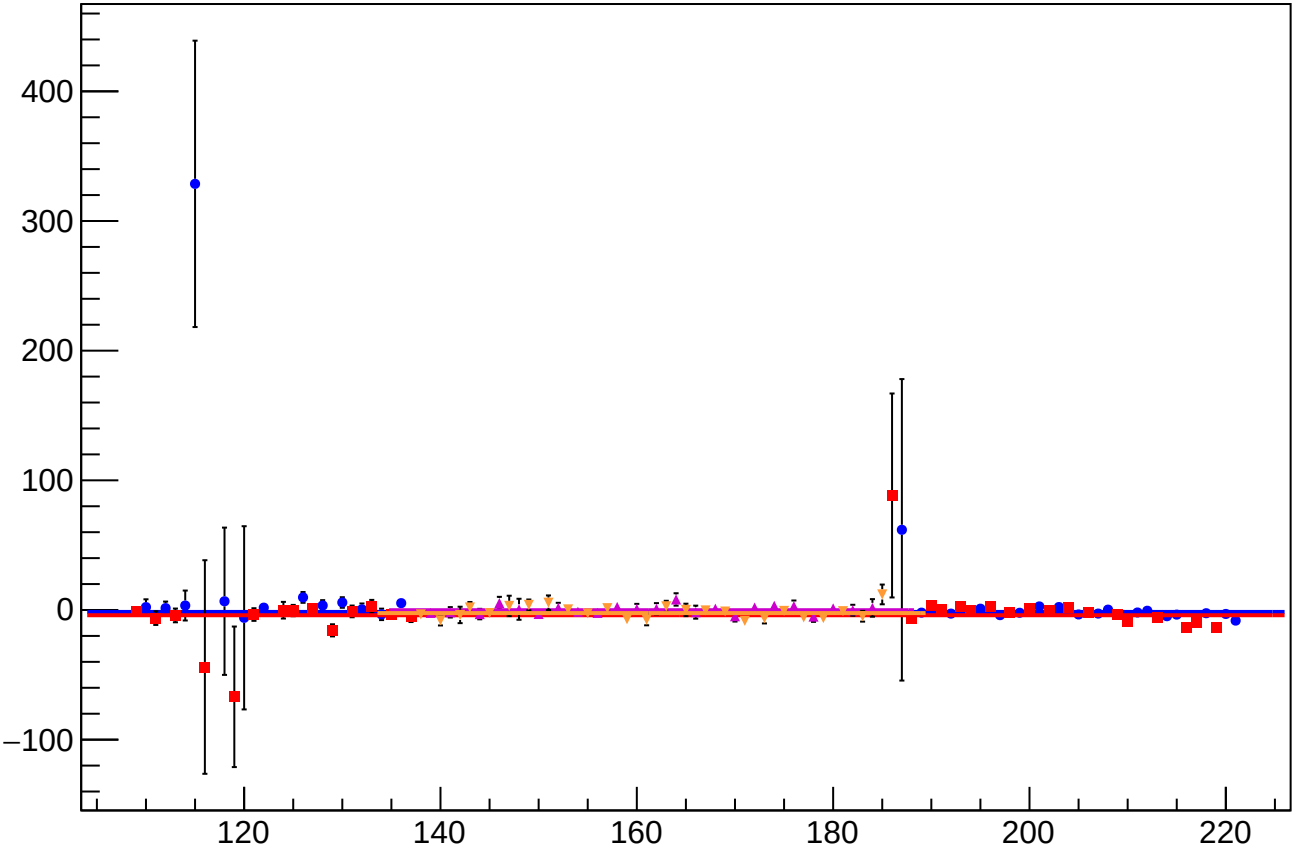
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1219.940+/-0.149 χ^2/NDF: 11399806.3/55

All: 1219.825+/-0.107 χ^2/NDF: 23326955.5/1

- sign 1219.703+/-0.154 χ^2/NDF: 11927148.0/54

diff_bpm1p02bY_mean vs Slug



Right In: -1.500+/-0.391 χ^2/NDF: 67.9/30

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -4.050+/-0.420 χ^2/NDF: 164.1/31

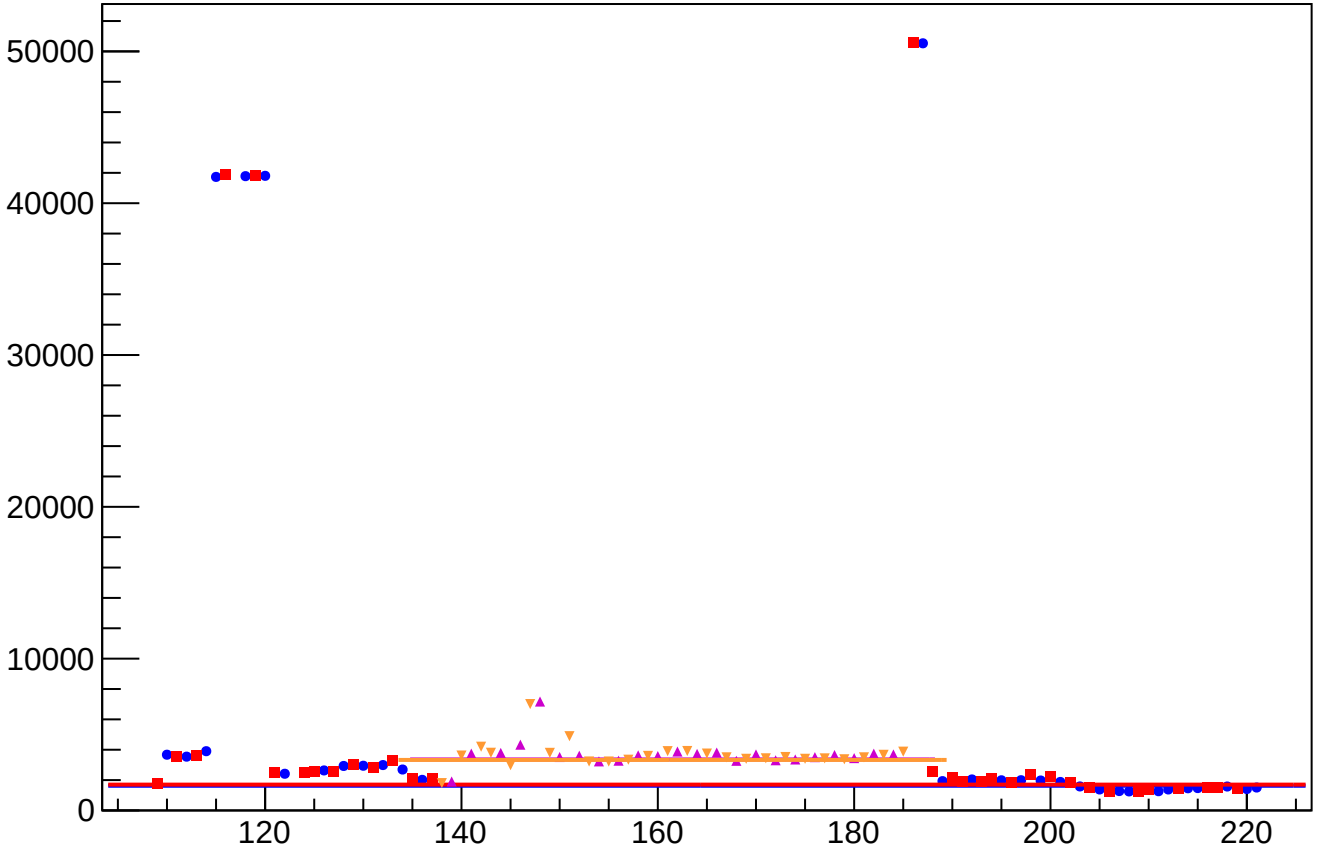
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.676+/-0.350 χ^2/NDF: 93.3/55

All: -2.404+/-0.255 χ^2/NDF: 297.4/110

- sign -3.229+/-0.372 χ^2/NDF: 194.9/54

diff_bpm1p02bY_rms vs Slug



Right In: 1626.879+/-0.277 χ^2/NDF: 4743299.8/30

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

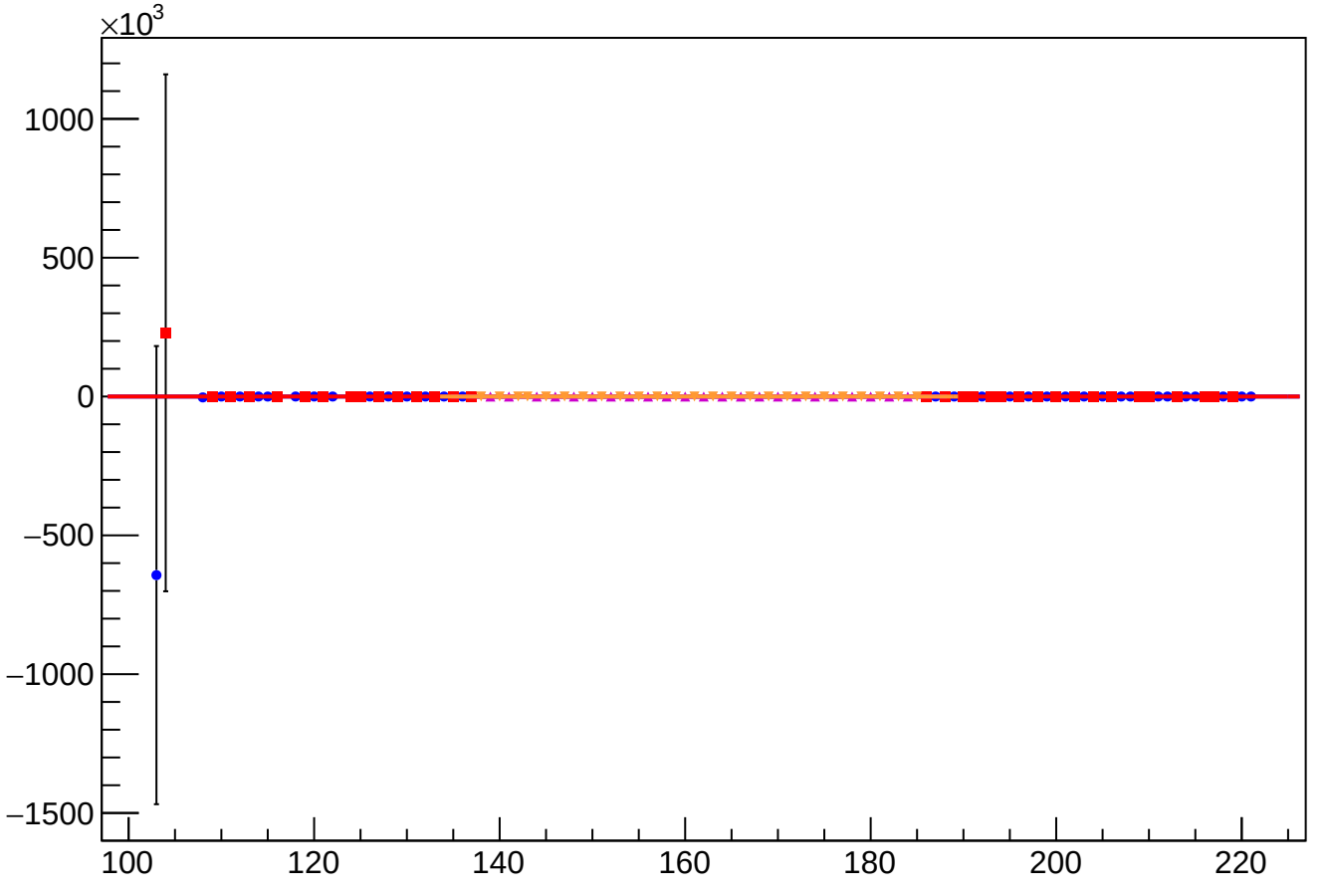
Right Out: 1701.680+/-0.297 χ^2/NDF: 4894679.2/31

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 1967.589+/-0.247 χ^2/NDF: 14228304.7/55

All: 2007.583+/-0.180 χ^2/NDF: 27449225.5/1

- sign 2052.886+/-0.263 χ^2/NDF: 13165220.8/54



Right In: -2.596+/-0.510 χ^2/NDF: 49.6/32

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -3.645+/-0.536 χ^2/NDF: 89.8/32

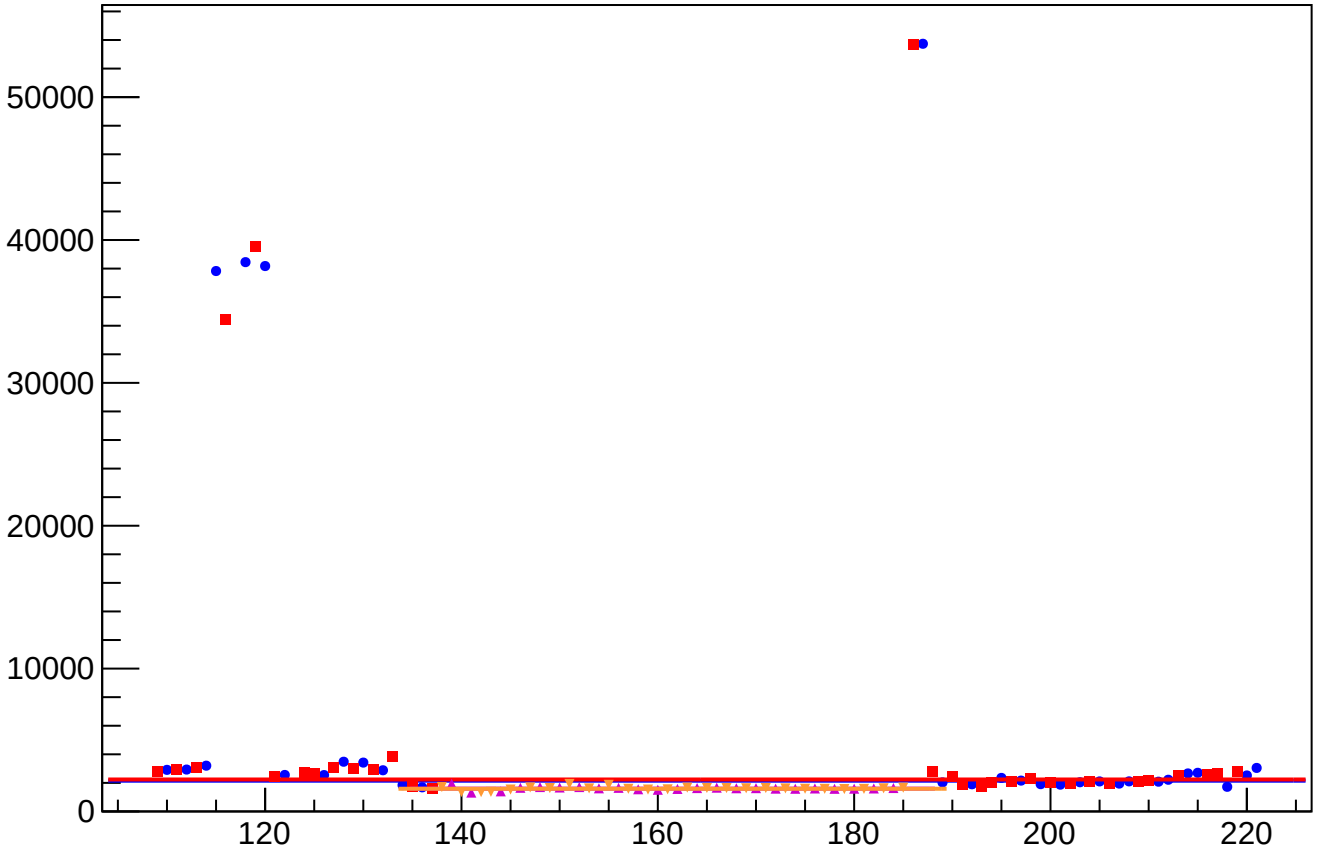
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.917+/-0.296 χ^2/NDF: 102.6/57

All: -1.564+/-0.213 χ^2/NDF: 254.1/113

- sign -1.184+/-0.307 χ^2/NDF: 148.5/55

diff_bpm1p03aX_rms vs Slug



Right In: 2153.069+/-0.360 χ^2/NDF: 3362403.9/30

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2237.728+/-0.379 χ^2/NDF: 3439474.2/31

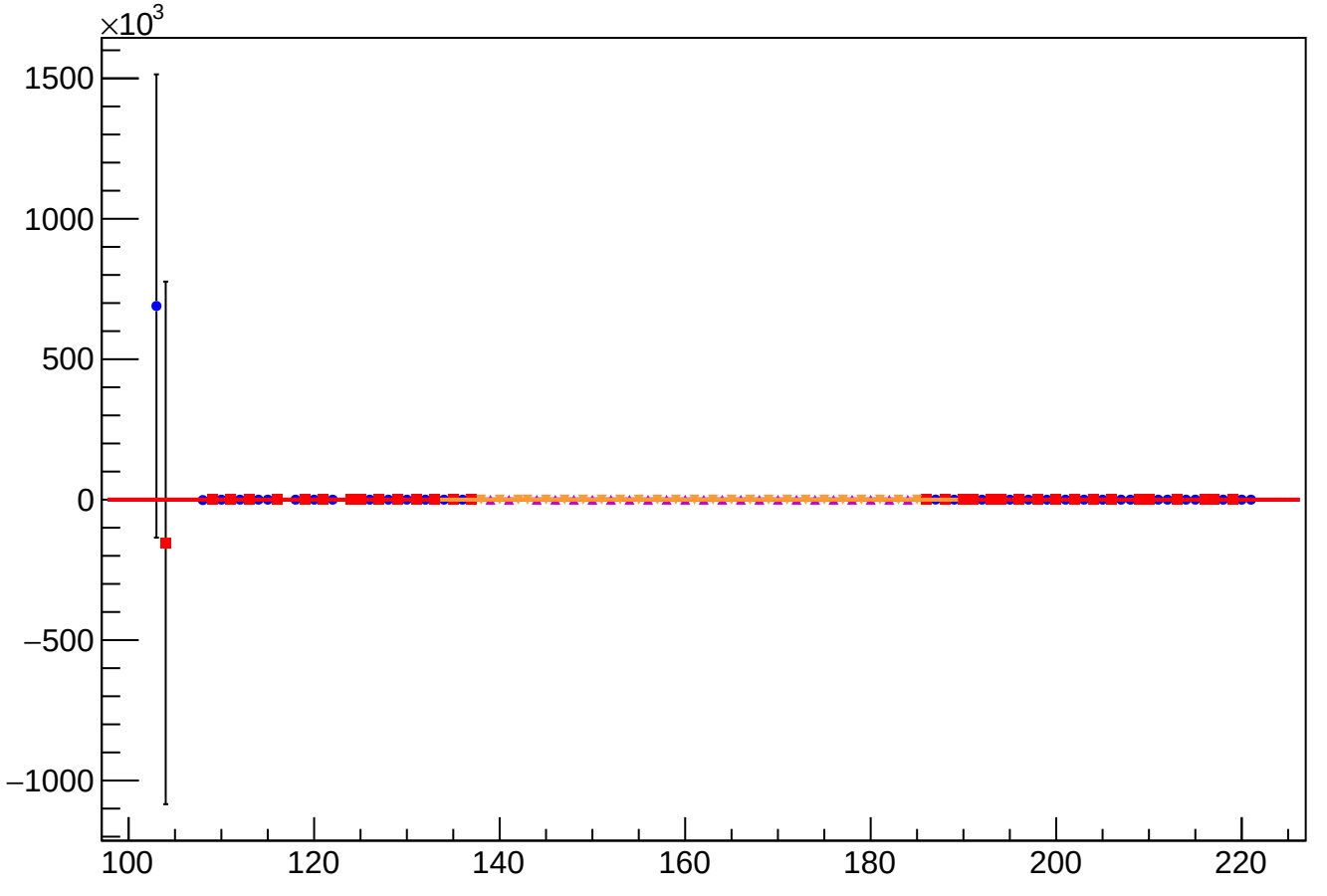
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1779.128+/-0.209 χ^2/NDF: 5217976.5/55

All: 1792.329+/-0.151 χ^2/NDF: 10787850.7/1

- sign 1806.564+/-0.217 χ^2/NDF: 5561584.7/54

diff_bpm1p03aY_mean vs Slug



Right In: -0.497+/-0.324 χ^2/NDF: 33.0/32

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.800+/-0.341 χ^2/NDF: 67.0/32

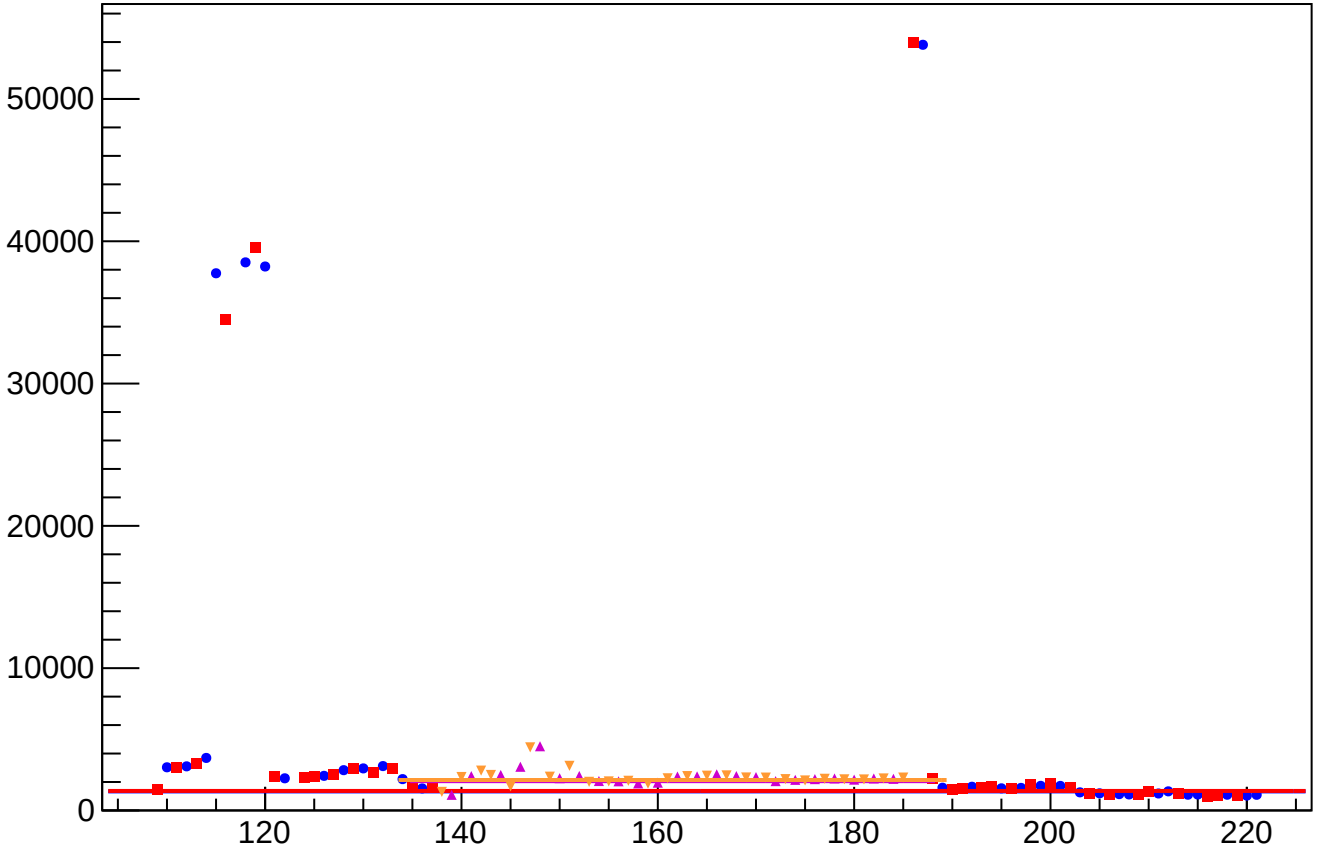
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.698+/-0.272 χ^2/NDF: 58.7/57

All: -0.936+/-0.196 χ^2/NDF: 154.3/113

- sign -1.191+/-0.282 χ^2/NDF: 94.0/55

diff_bpm1p03aY_rms vs Slug



Right In: 1338.822+/-0.229 χ^2/NDF: 5154180.1/30

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1371.063+/-0.241 χ^2/NDF: 5499651.1/31

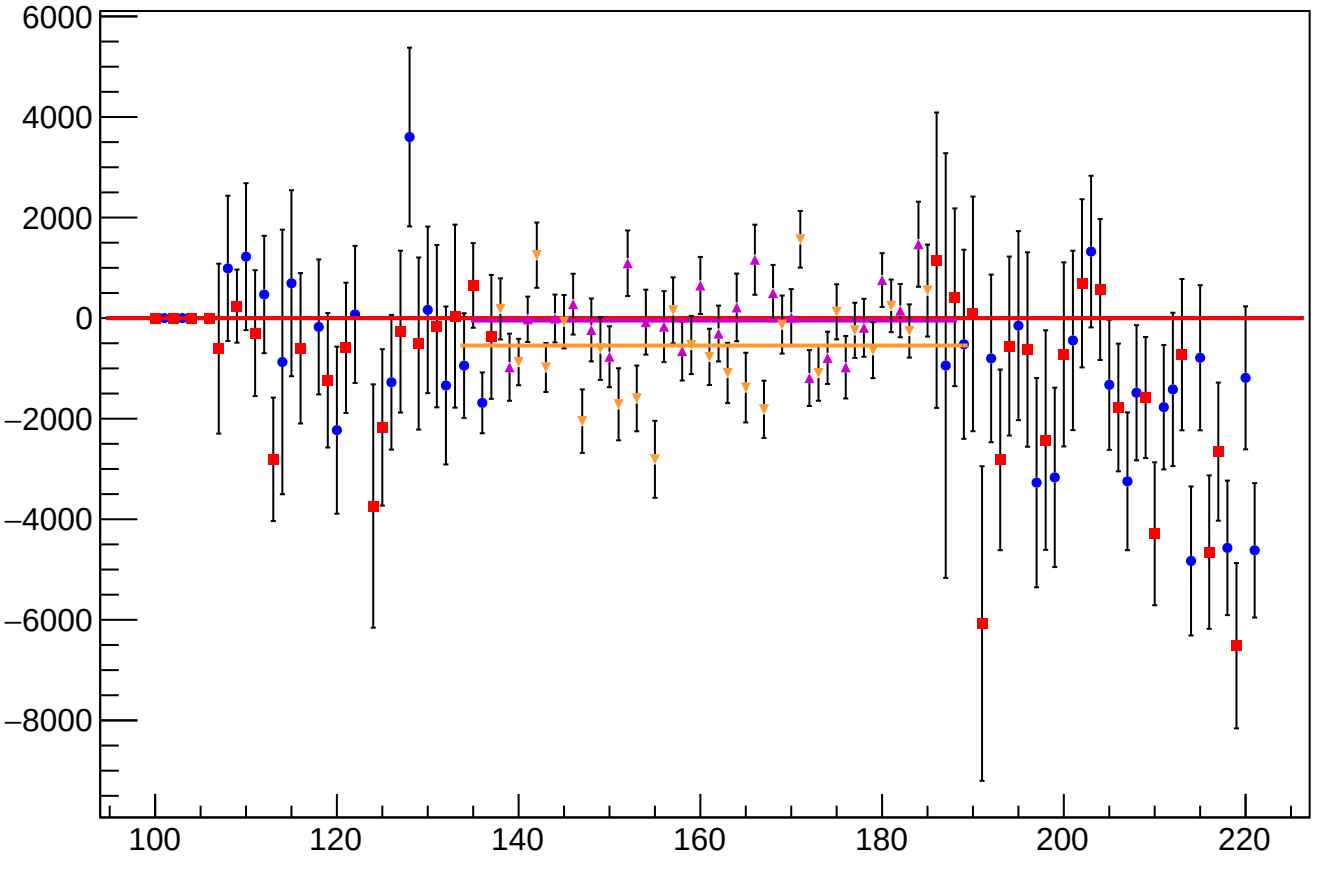
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1574.062+/-0.193 χ^2/NDF: 10217827.0/55

All: 1581.070+/-0.139 χ^2/NDF: 20582663.8/1

- sign 1588.582+/-0.199 χ^2/NDF: 10362094.0/54

diff_cav4bX_mean vs Slug



Right In: 0.253+/-0.356 χ^2/NDF: 70.6/33

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 65.5/36

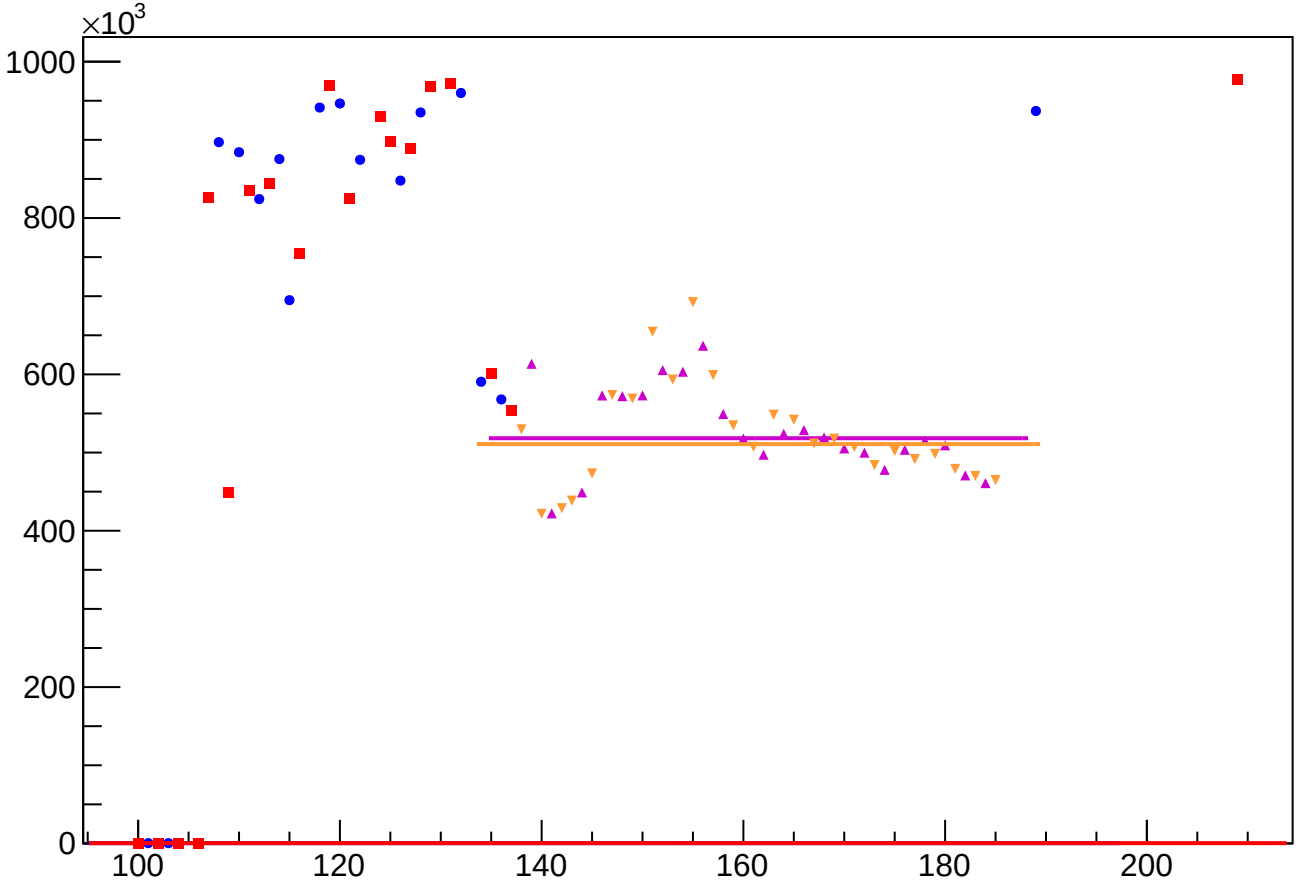
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.248+/-0.356 χ^2/NDF: 153.1/58

All: 0.165+/-0.241 χ^2/NDF: 246.9/118

- sign 0.094+/-0.328 χ^2/NDF: 93.7/59

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

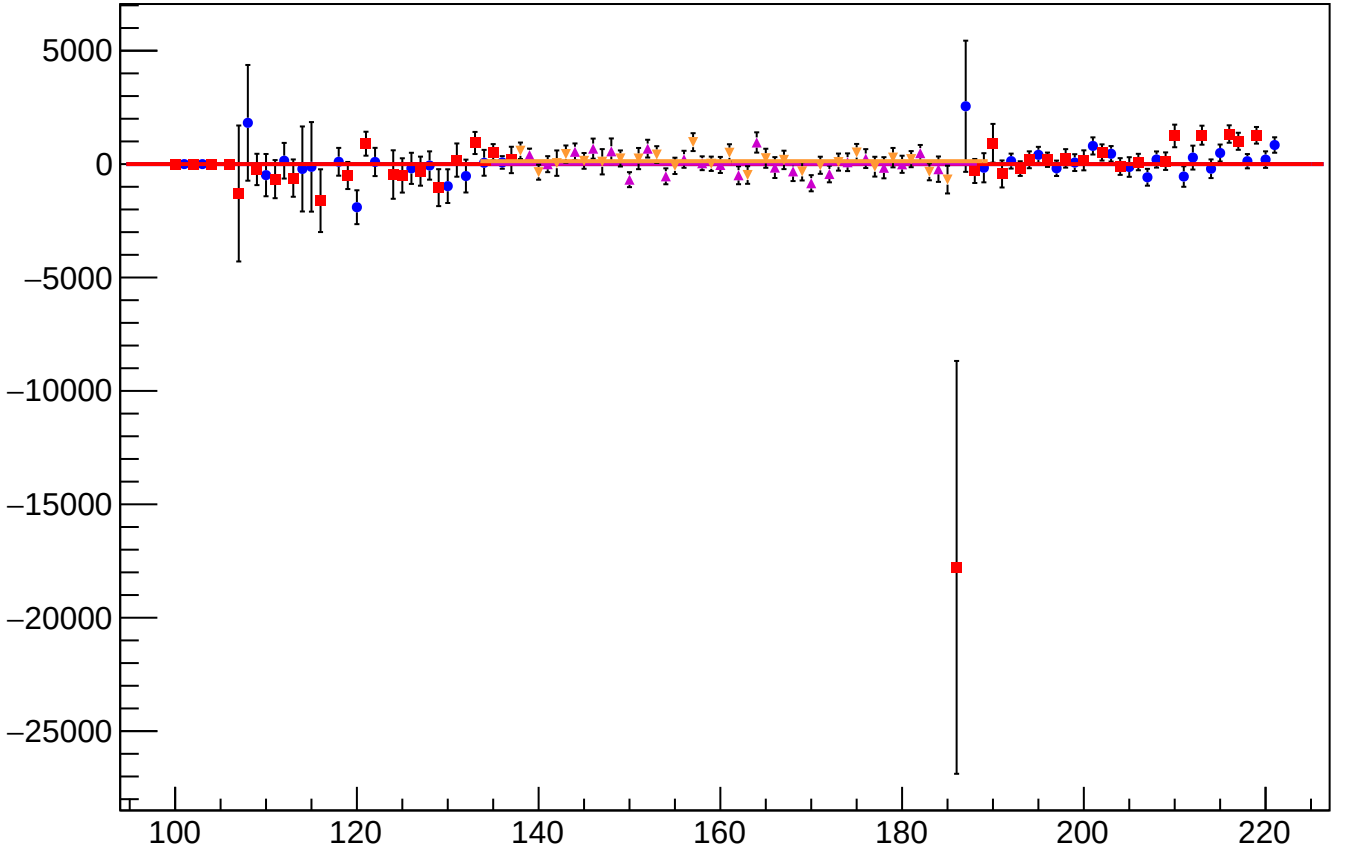
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ 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: -0.018+/-0.347 χ^2/NDF: 32.5/33

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

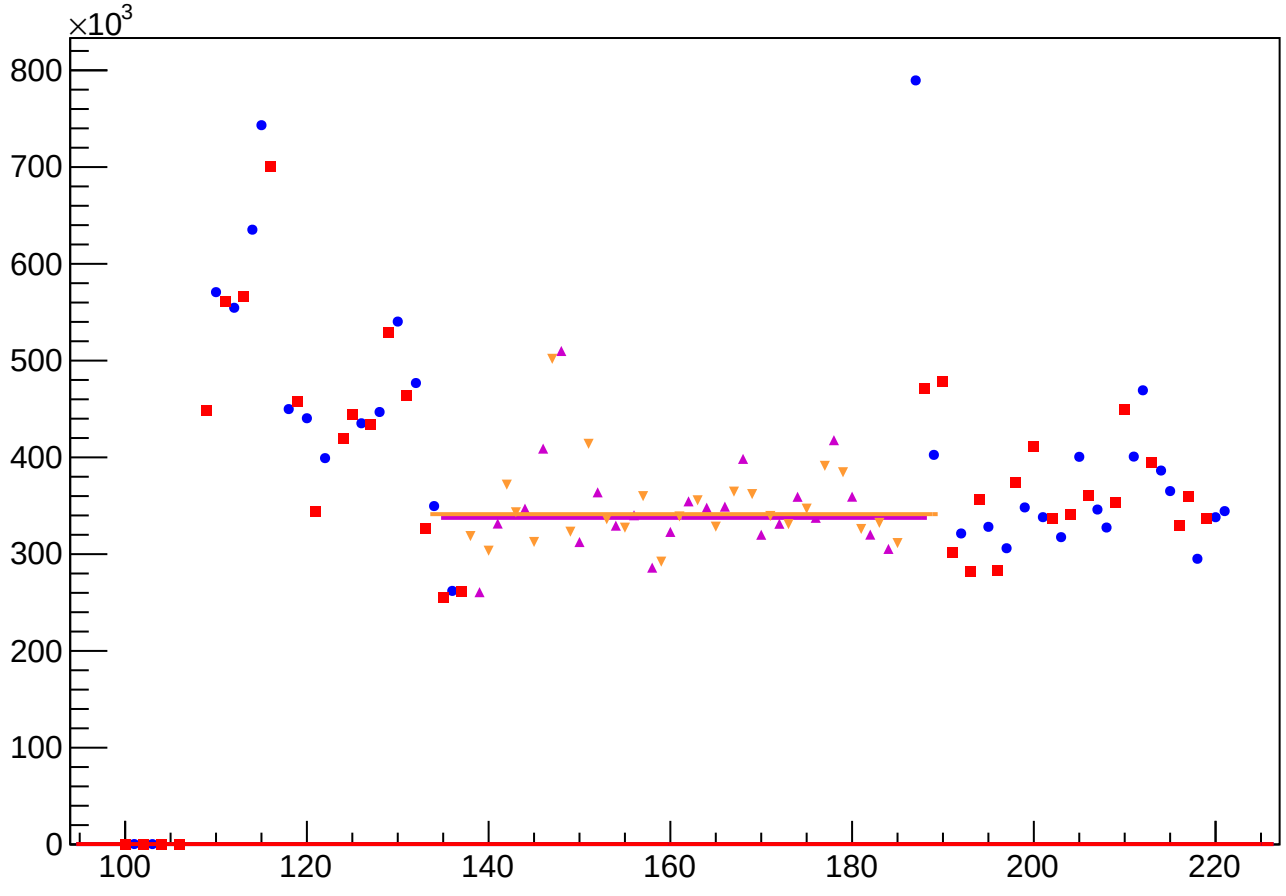
Right Out: 0.603+/-0.324 χ^2/NDF: 71.1/36

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.015+/-0.347 χ^2/NDF: 55.4/58

All: 0.316+/-0.237 χ^2/NDF: 161.9/118

- sign 0.604+/-0.324 χ^2/NDF: 104.9/59



Right In: 395.222+/-0.245 χ^2/NDF: 39710379.9/32

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.880+/-0.229 χ^2/NDF: 37596374.3/34

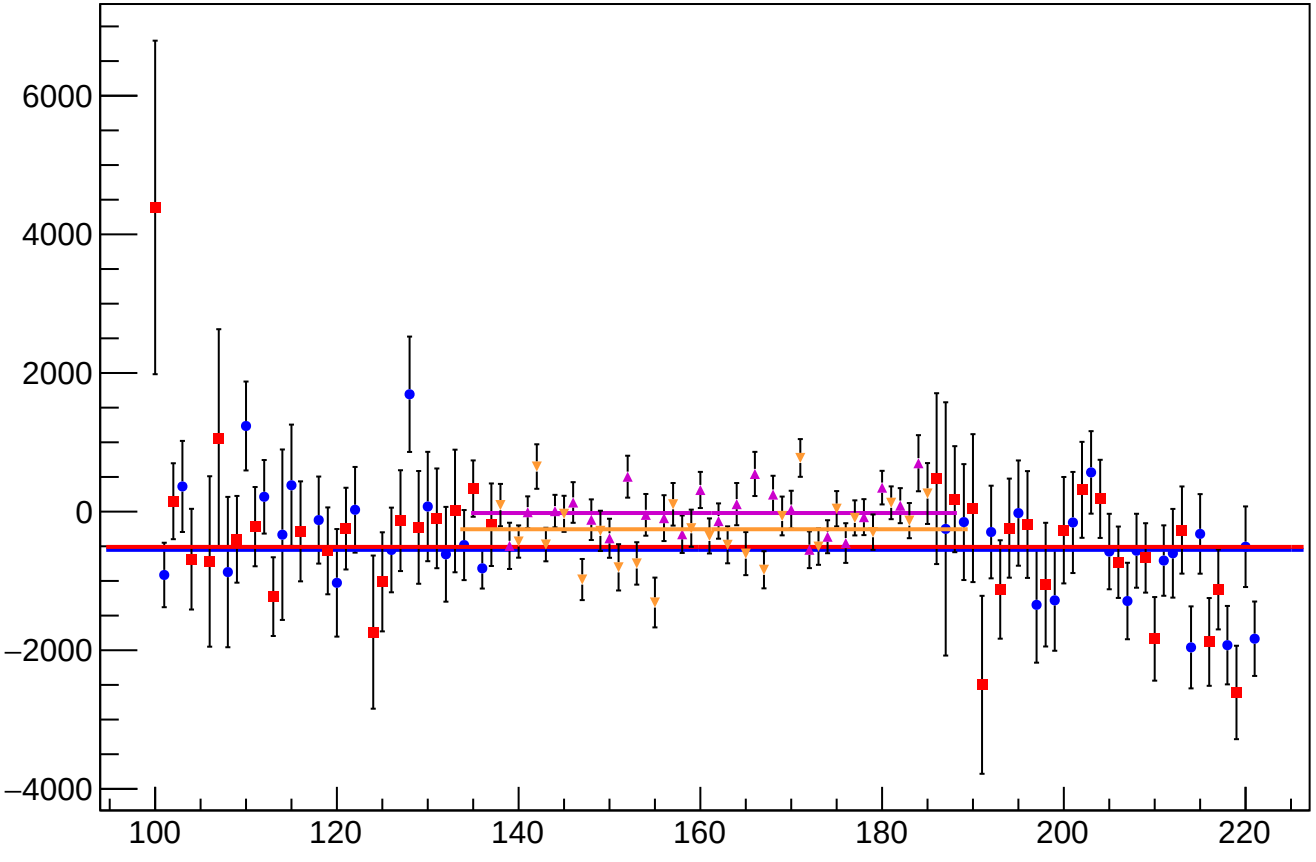
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 401.931+/-0.245 χ^2/NDF: 78080188.7/57

All: 399.527+/-0.167 χ^2/NDF: 151995110.9/1

- sign 397.434+/-0.229 χ^2/NDF: 73914742.8/57

diff_cav4cX_mean vs Slug



Right In: -551.590+/-104.418 χ^2/NDF: 50.1/33

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -509.095+/-112.369 χ^2/NDF: 45.6/36

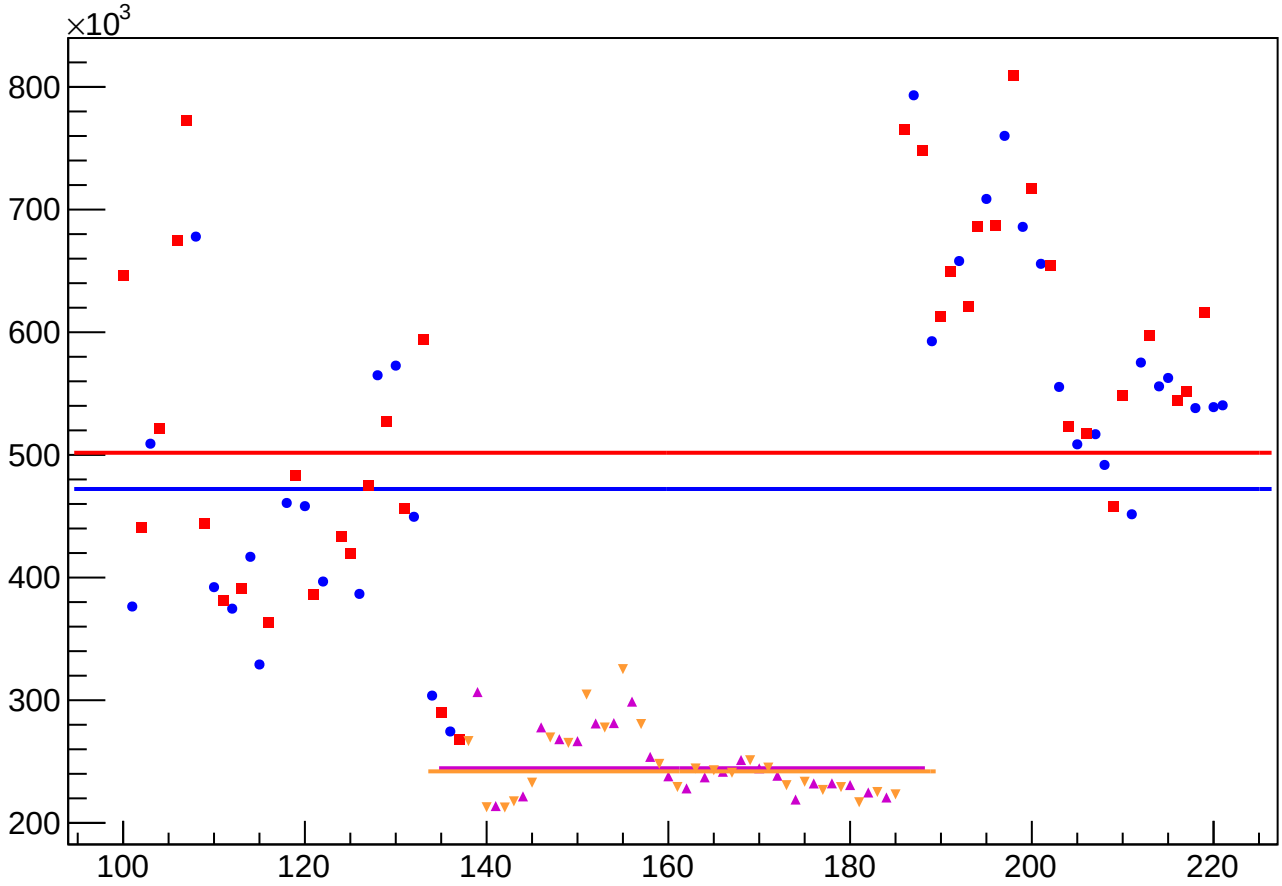
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -319.691+/-48.951 χ^2/NDF: 117.7/58

All: -225.039+/-35.374 χ^2/NDF: 214.7/118

- sign -121.586+/-51.176 χ^2/NDF: 89.2/59

diff_cav4cX_rms vs Slug



Right In: 472212.378+/-73.845 χ^2/NDF: 2868917.9/33

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

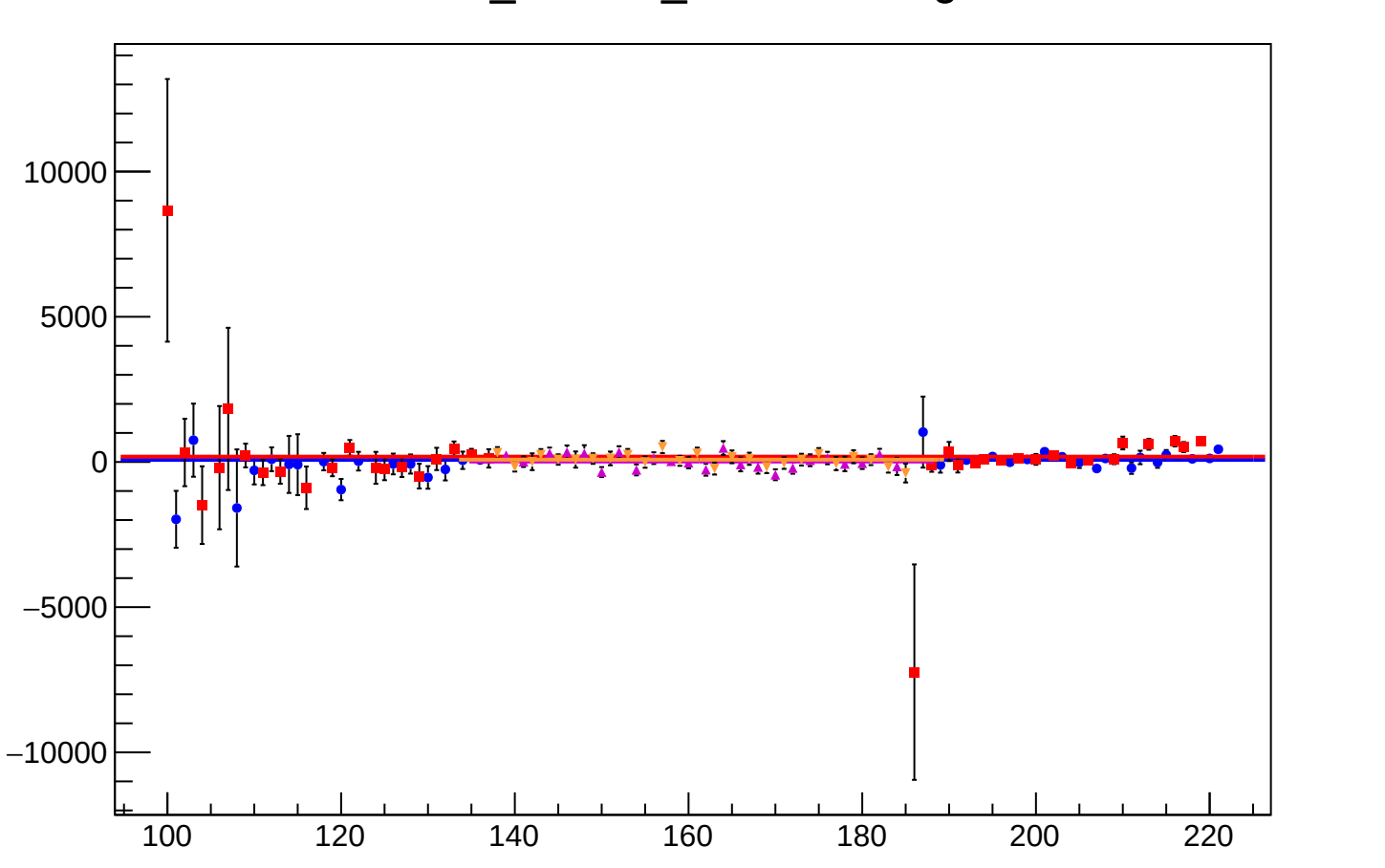
Right Out: 501748.797+/-79.530 χ^2/NDF: 2671772.8/36

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 292589.181+/-34.614 χ^2/NDF: 10864981.6/5

All: 295085.008+/-25.016 χ^2/NDF: 2220216

- sign 297813.815+/-36.194 χ^2/NDF: 11326299.5/5



Right In: 70.810+/-35.937 χ^2/NDF: 36.0/33

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 183.387+/-37.381 χ^2/NDF: 68.7/36

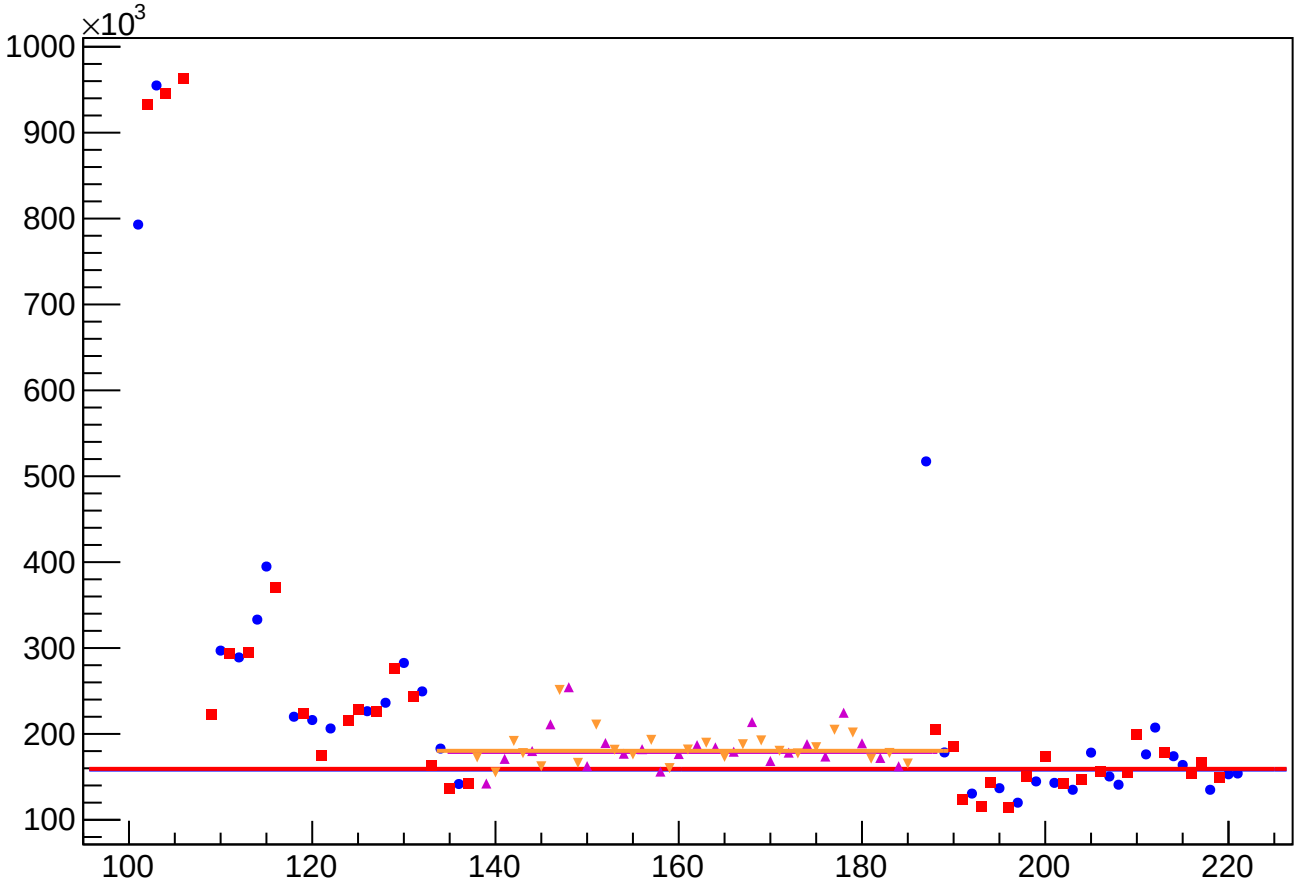
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 74.552+/-27.111 χ^2/NDF: 55.8/58

All: 91.222+/-19.474 χ^2/NDF: 167.4/118

- sign 108.993+/-27.991 χ^2/NDF: 110.9/59

diff_cav4cY_rms vs Slug



Right In: 158526.310+/-25.418 χ^2/NDF: 3434498.4/32

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159341.429+/-26.446 χ^2/NDF: 3373490.9/33

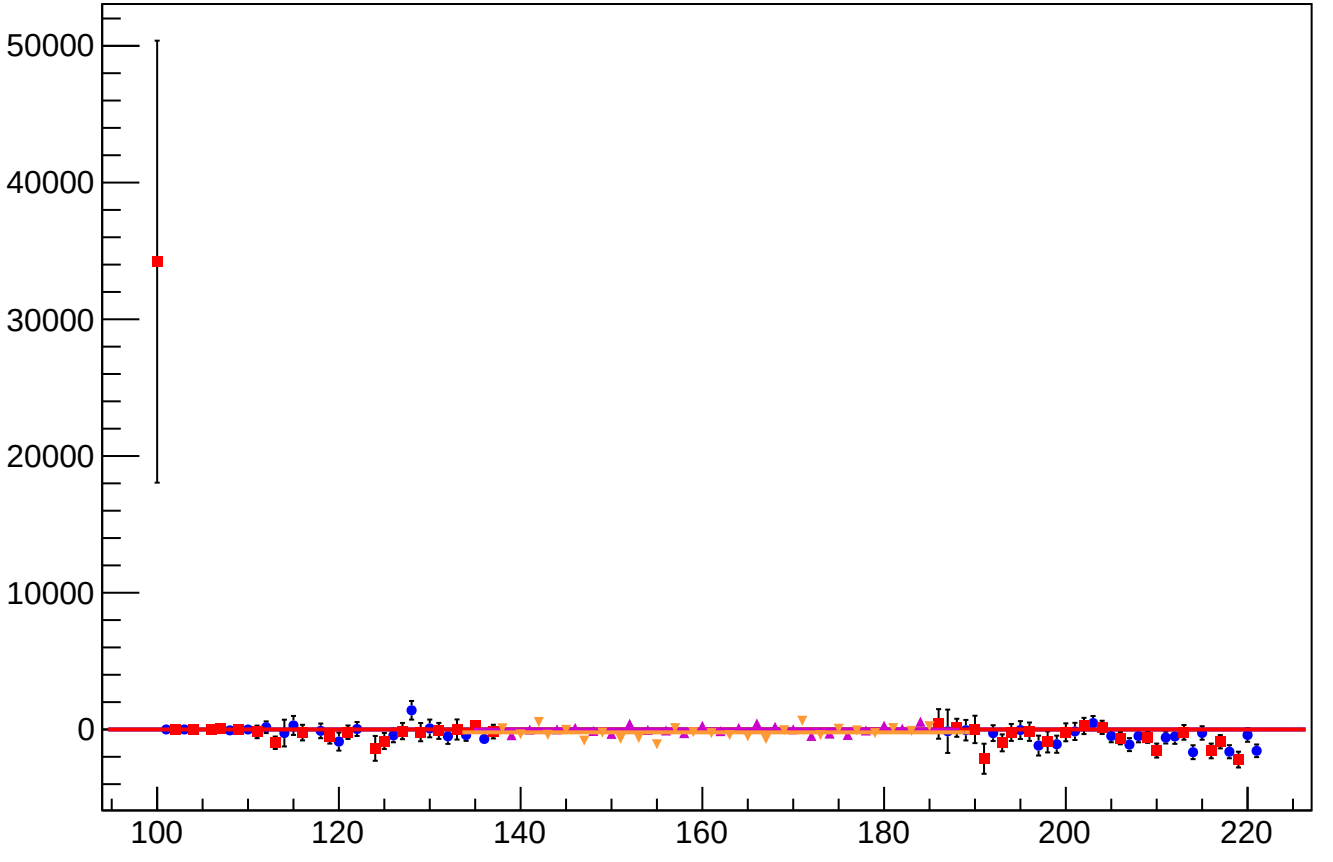
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 167929.863+/-19.173 χ^2/NDF: 4098621.1/57

All: 167960.189+/-13.773 χ^2/NDF: 8216989.

- sign 167992.525+/-19.798 χ^2/NDF: 4118363.5/56

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 69.7/33

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.356+/-0.160 χ^2/NDF: 64.4/36

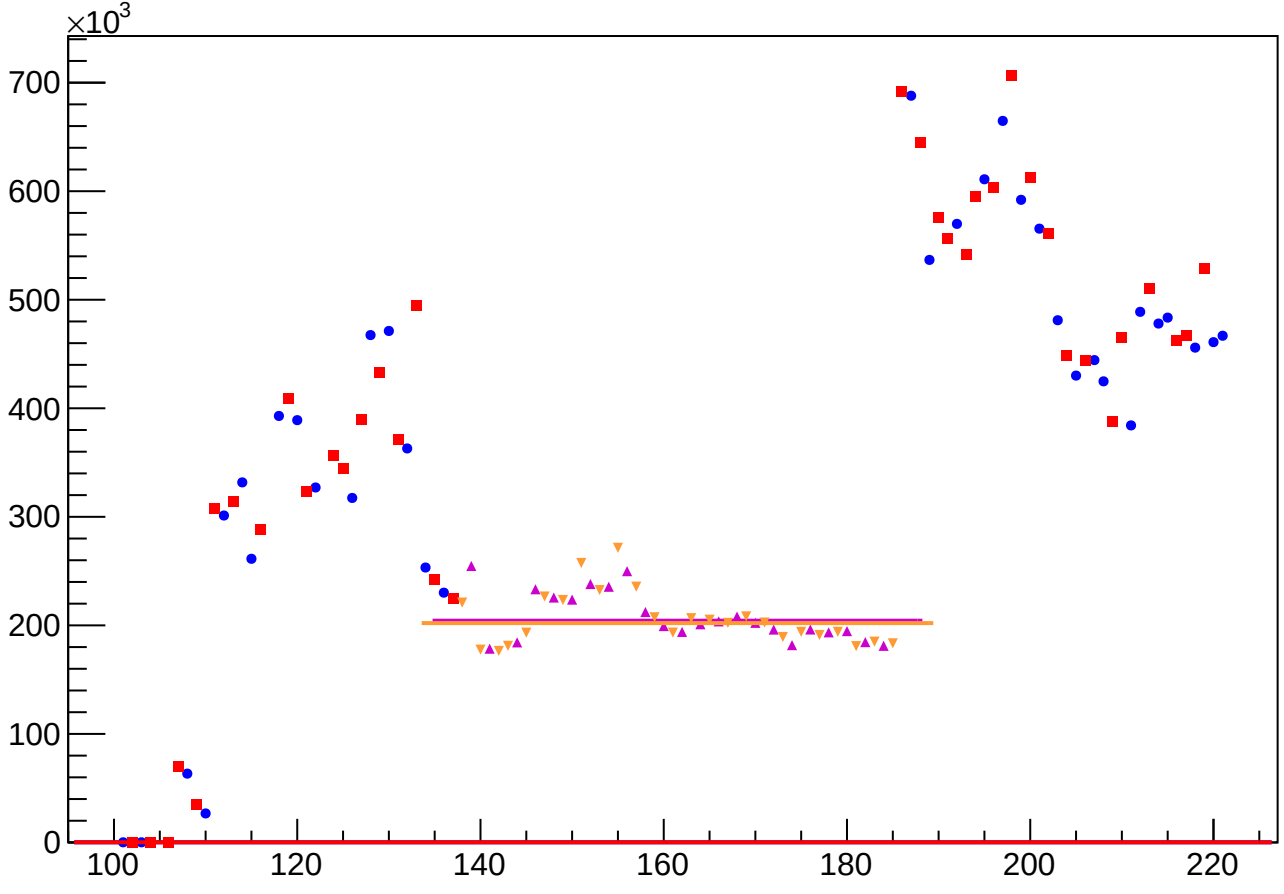
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.039+/-0.172 χ^2/NDF: 151.5/58

All: -0.209+/-0.117 χ^2/NDF: 246.5/118

- sign -0.356+/-0.160 χ^2/NDF: 93.2/59

diff_cav4dX_rms vs Slug



Right In: 149.980+/-0.122 χ^2/NDF: 40813688.8/33

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.062+/-0.113 χ^2/NDF: 39228221.9/35

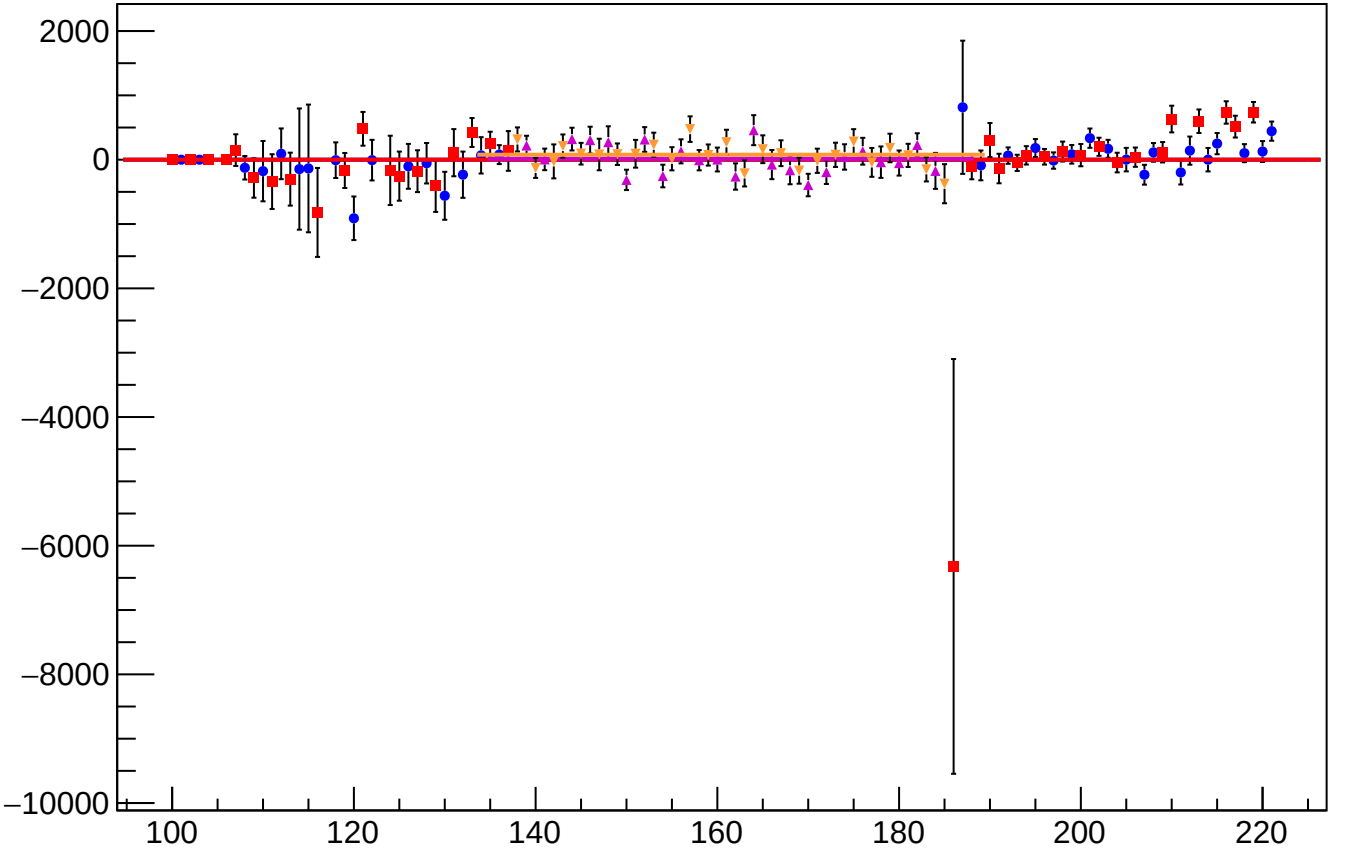
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.776+/-0.122 χ^2/NDF: 79309227.9/58

All: 152.537+/-0.083 χ^2/NDF: 155039996.8/1

- sign 152.330+/-0.113 χ^2/NDF: 75730761.8/58

diff_cav4dY_mean vs Slug



Right In: -0.066+/-0.177 χ^2/NDF: 37.5/33

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.130+/-0.166 χ^2/NDF: 93.5/36

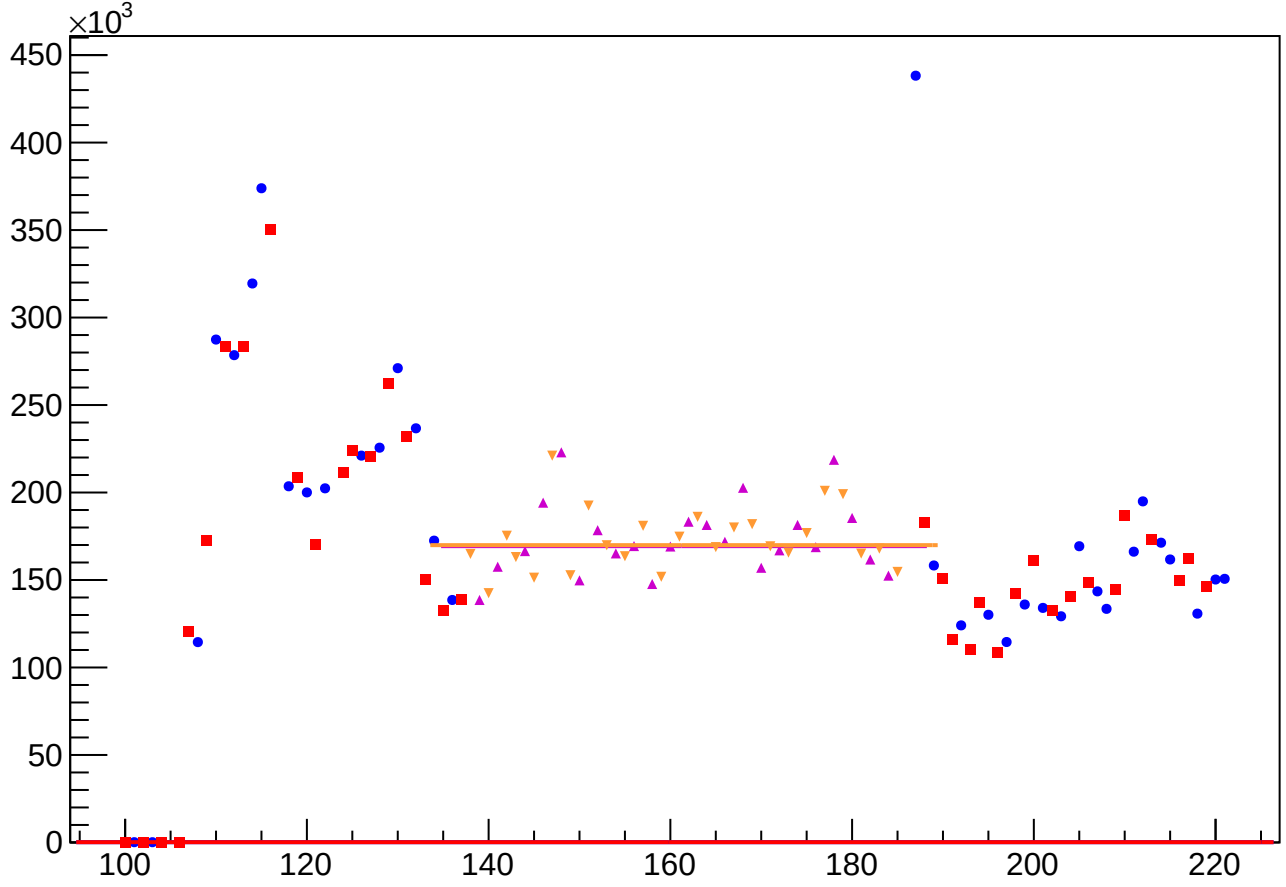
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.064+/-0.177 χ^2/NDF: 60.5/58

All: 0.039+/-0.121 χ^2/NDF: 187.4/118

\- sign 0.130+/-0.166 χ^2/NDF: 126.3/59

diff_cav4dY_rms vs Slug



Right In: 156.610+/-0.125 χ^2/NDF: 40972163.3/33

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.716+/-0.118 χ^2/NDF: 38089555.8/35

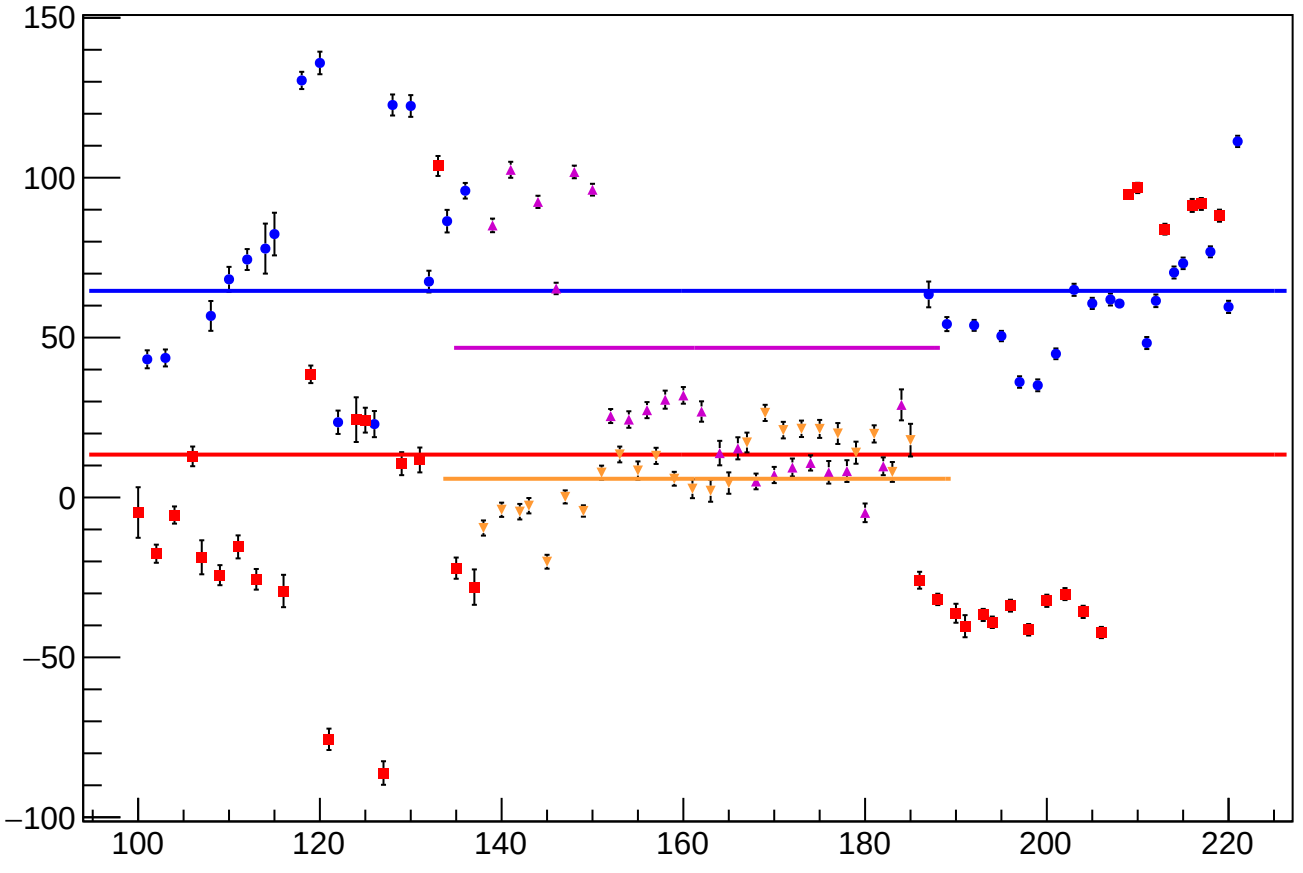
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 160.130+/-0.125 χ^2/NDF: 79382880.2/58

All: 160.942+/-0.086 χ^2/NDF: 153856442.9/1

- sign 161.658+/-0.118 χ^2/NDF: 74473483.7/58

diff_bpm0i01X_mean vs Slug



Right In: 64.612+/-0.387 χ^2/NDF: 3844.7/33

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 13.409+/-0.386 χ^2/NDF: 24145.7/36

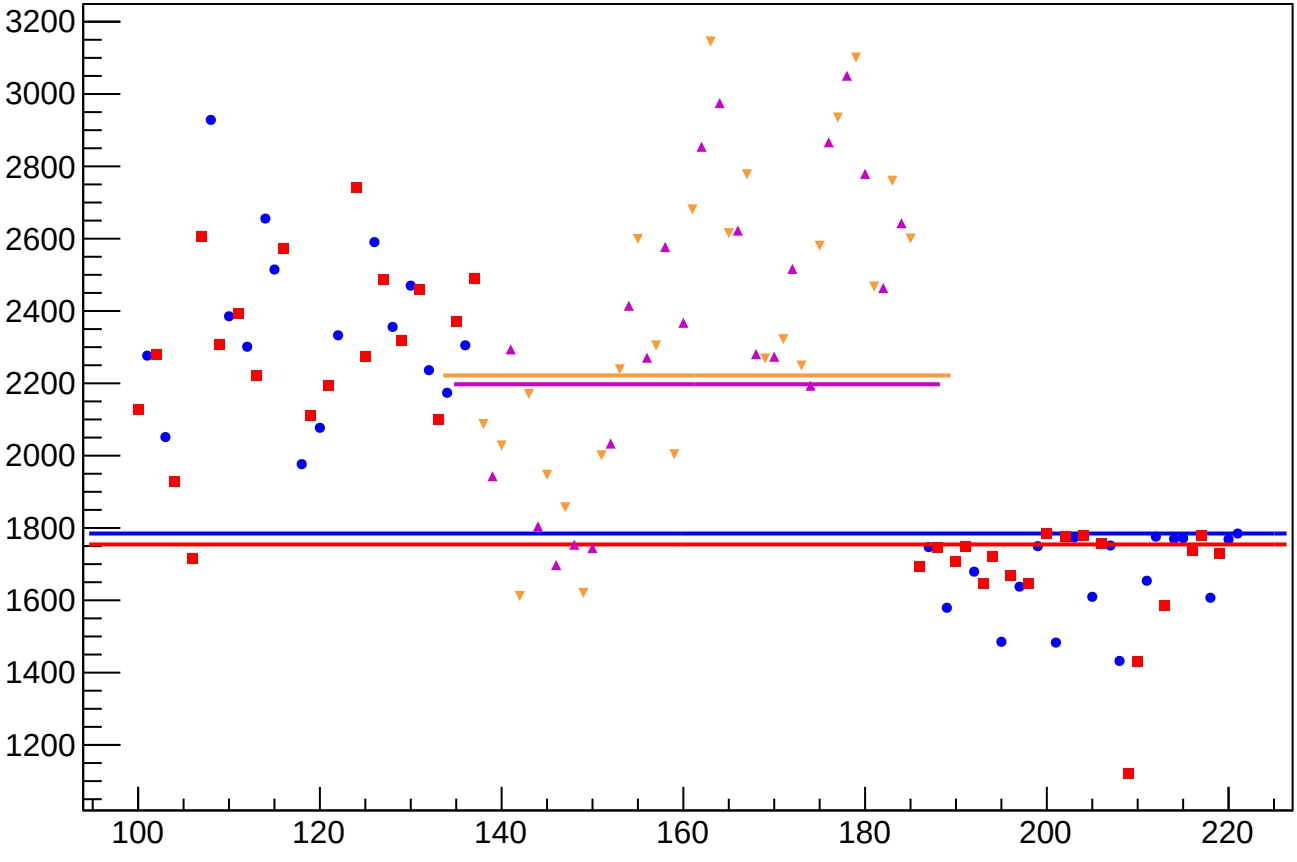
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 43.370+/-0.309 χ^2/NDF: 12724.9/58

All: 34.311+/-0.219 χ^2/NDF: 46403.0/118

- sign 25.142+/-0.311 χ^2/NDF: 31949.2/59

diff_bpm0i01X_rms vs Slug



Right In: 1784.670+/-0.273 χ^2/NDF: 1110230.2/33

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1754.433+/-0.273 χ^2/NDF: 1478198.0/36

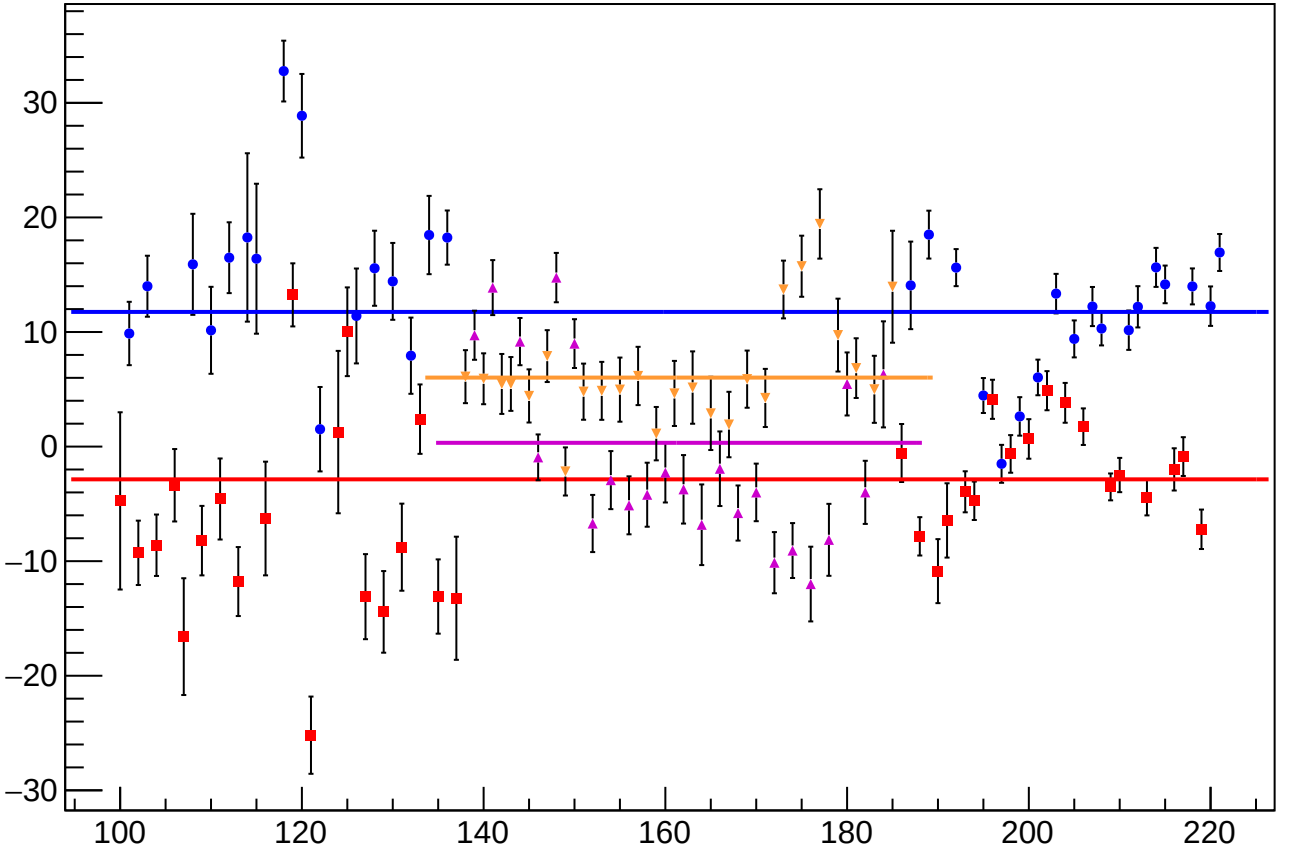
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1942.685+/-0.219 χ^2/NDF: 3217811.4/58

All: 1926.504+/-0.155 χ^2/NDF: 6737287.9/11

- sign 1910.125+/-0.220 χ^2/NDF: 3508443.2/59

diff_bpm0i01Y_mean vs Slug



Right In: 11.753+/-0.361 χ^2/NDF: 284.3/33

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.859+/-0.362 χ^2/NDF: 253.0/36

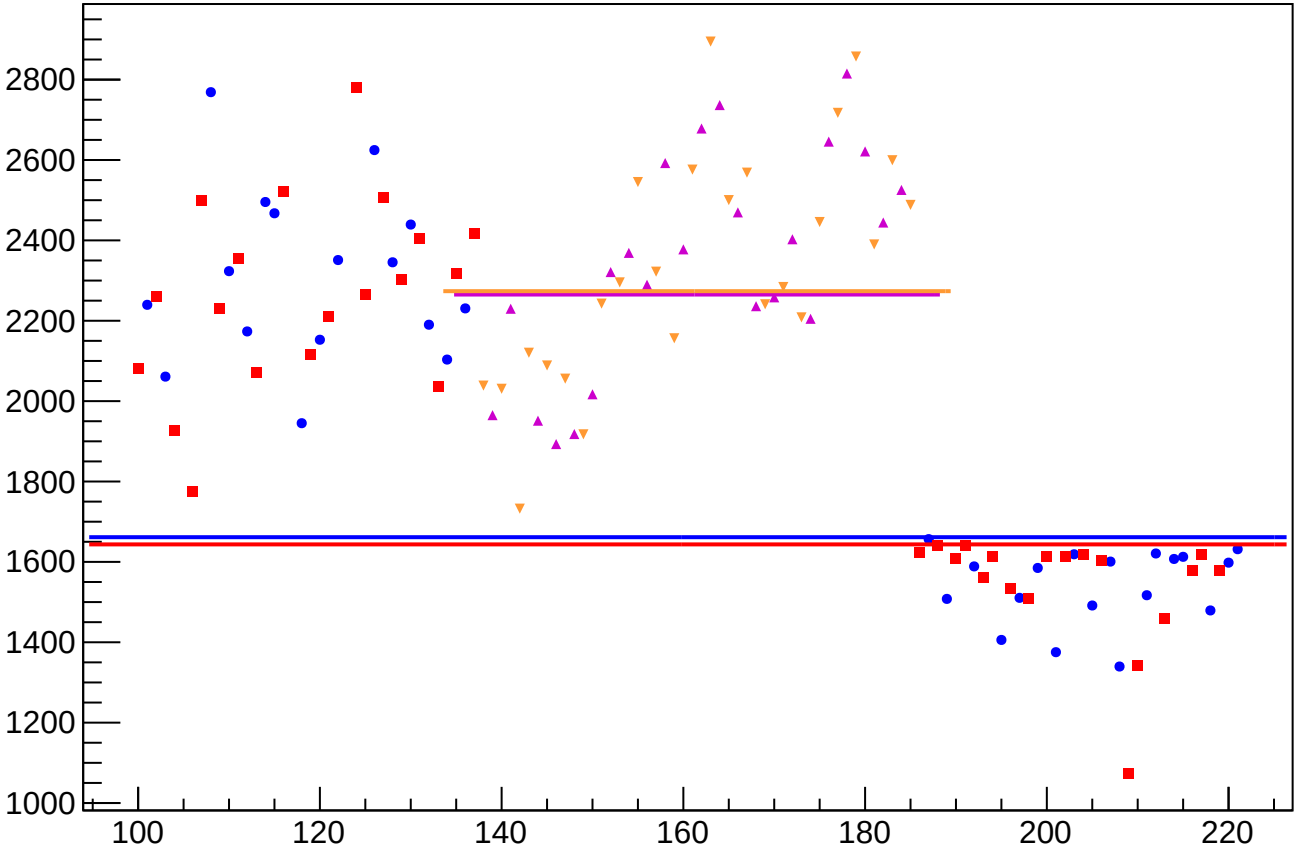
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.895+/-0.297 χ^2/NDF: 437.9/58

All: 4.085+/-0.211 χ^2/NDF: 1716.1/118

- sign -1.855+/-0.300 χ^2/NDF: 502.3/59

diff_bpm0i01Y_rms vs Slug



Right In: 1661.465+/-0.255 χ^2/NDF: 1392703.2/33

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1643.534+/-0.256 χ^2/NDF: 1698781.1/36

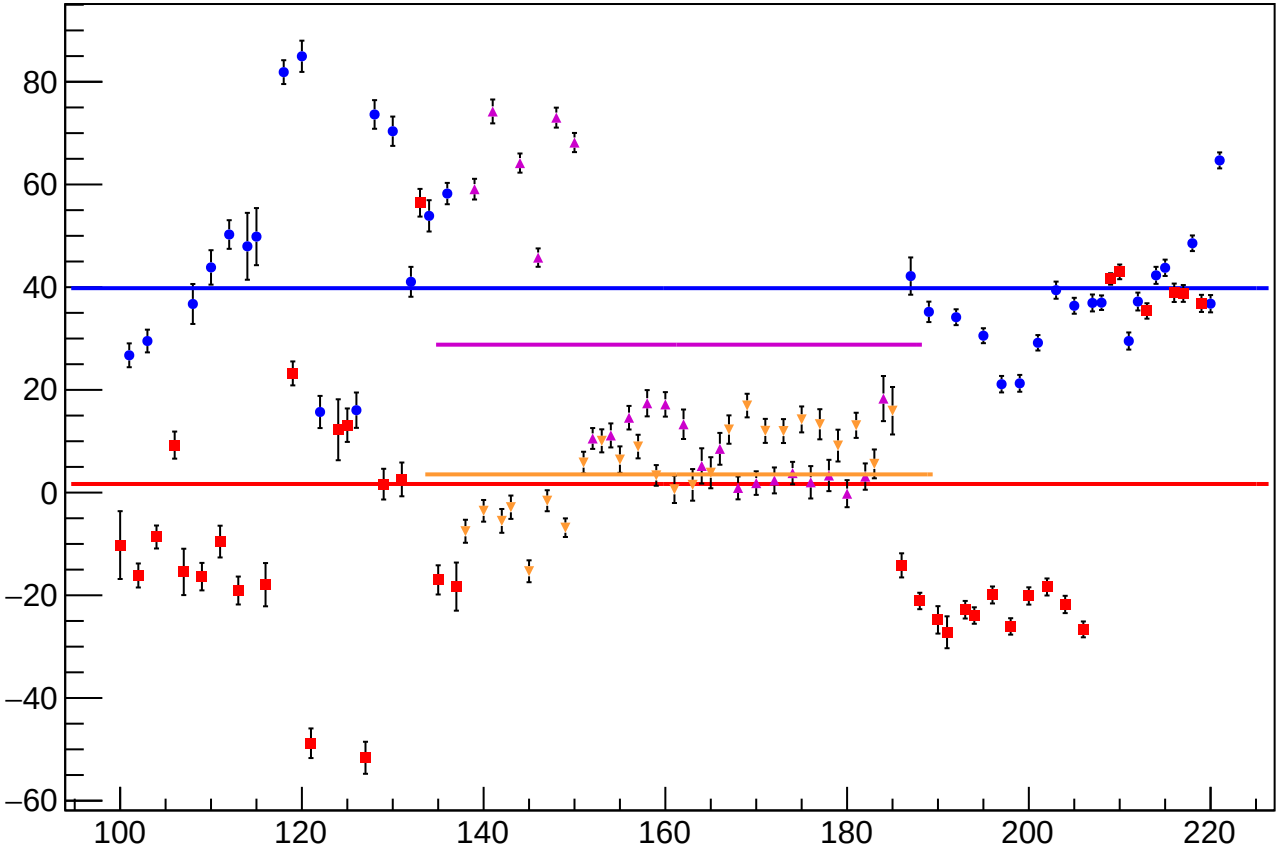
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1860.000+/-0.210 χ^2/NDF: 3796339.2/58

All: 1849.742+/-0.149 χ^2/NDF: 7849398.5/11

- sign 1839.253+/-0.212 χ^2/NDF: 4048221.1/59

diff_bpm0i01aX_mean vs Slug



Right In: 39.807+/-0.341 χ^2/NDF: 1817.0/33

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 1.675+/-0.340 χ^2/NDF: 7635.8/36

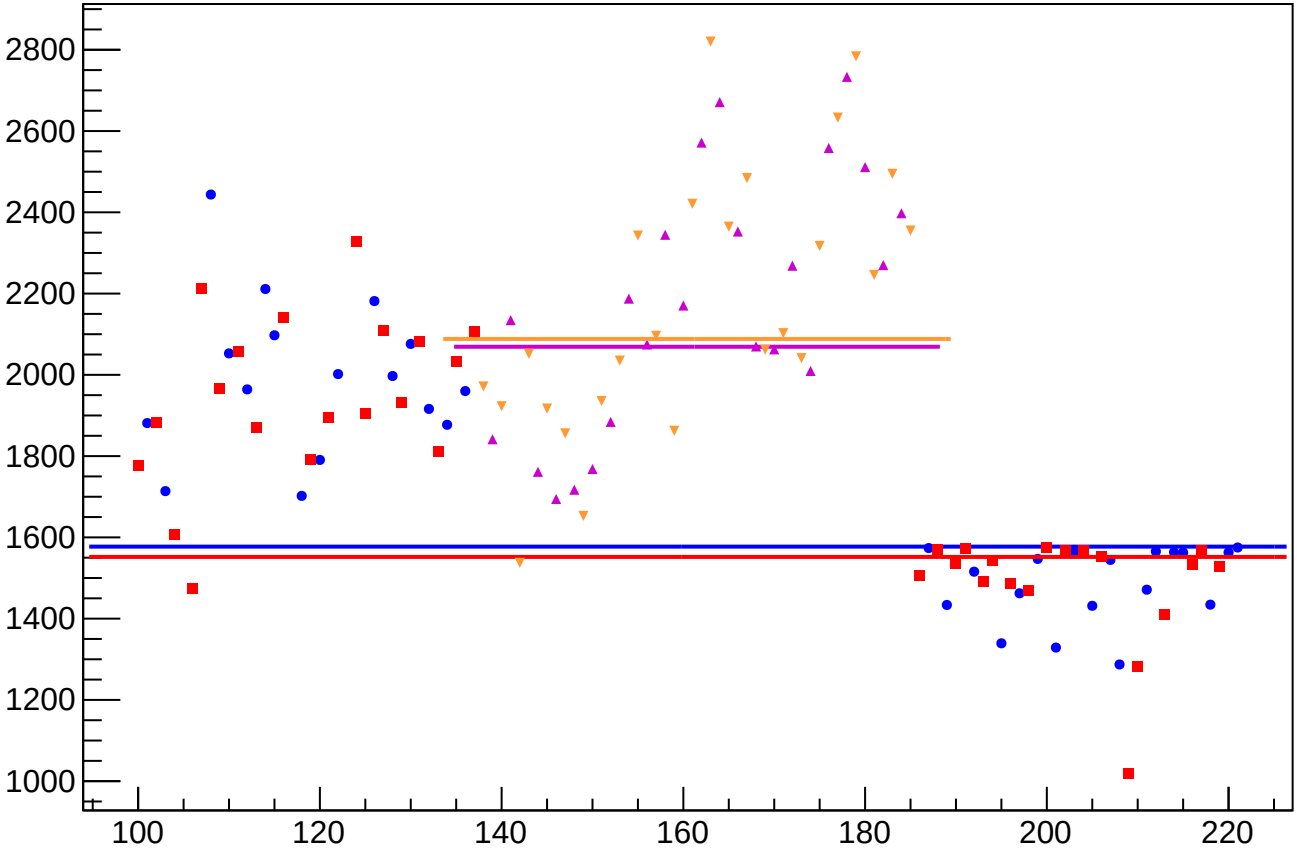
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 27.677+/-0.278 χ^2/NDF: 5930.8/58

All: 19.131+/-0.197 χ^2/NDF: 20798.2/118

\- sign 10.475+/-0.280 χ^2/NDF: 12962.1/59

diff_bpm0i01aX_rms vs Slug



Right In: 1577.229+/-0.241 χ^2/NDF: 852058.0/33

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1551.893+/-0.240 χ^2/NDF: 1176827.7/36

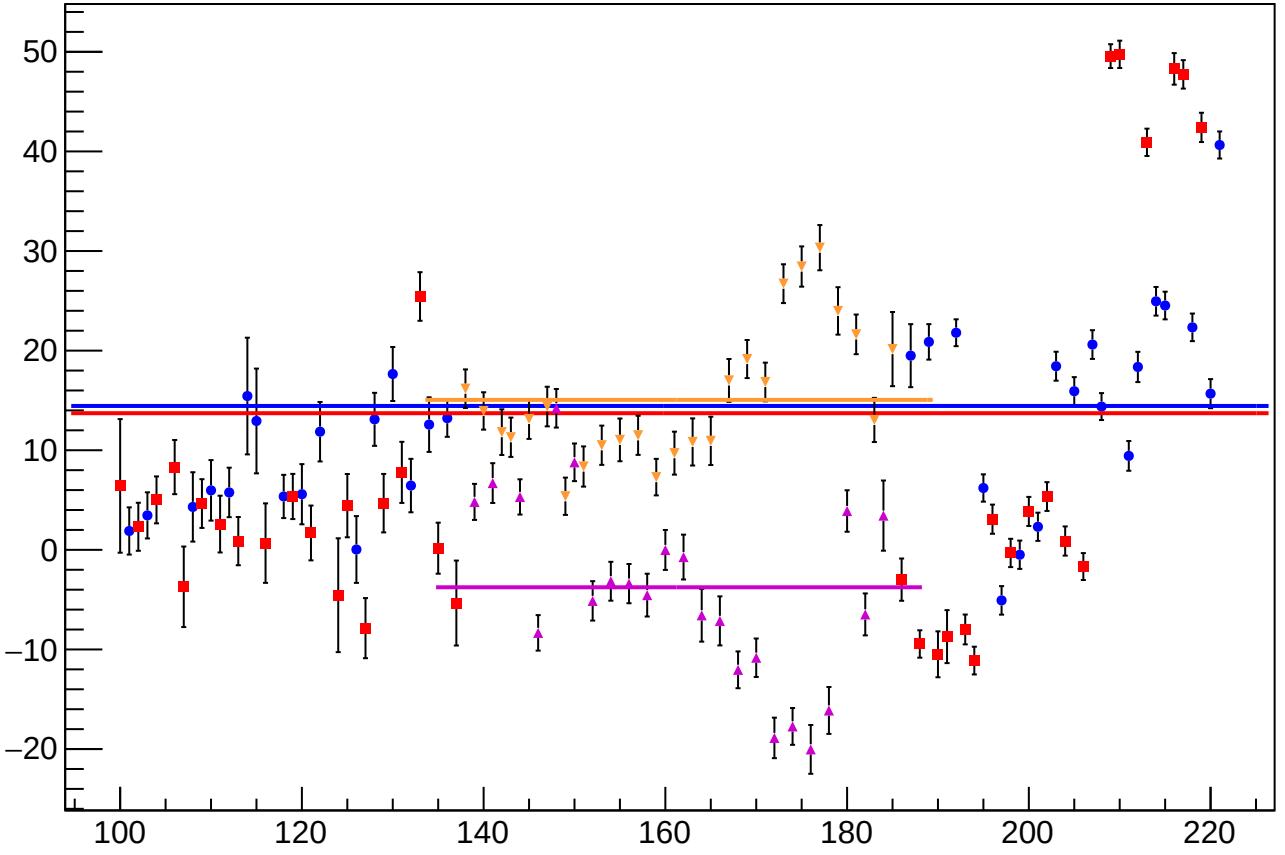
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1748.202+/-0.196 χ^2/NDF: 3146960.1/58

All: 1734.021+/-0.139 χ^2/NDF: 6546123.3/11

- sign 1719.659+/-0.198 χ^2/NDF: 3388671.7/59

diff_bpm0i01aY_mean vs Slug



Right In: 14.446+/-0.308 χ^2/NDF: 1142.5/33

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 13.718+/-0.311 χ^2/NDF: 5213.1/36

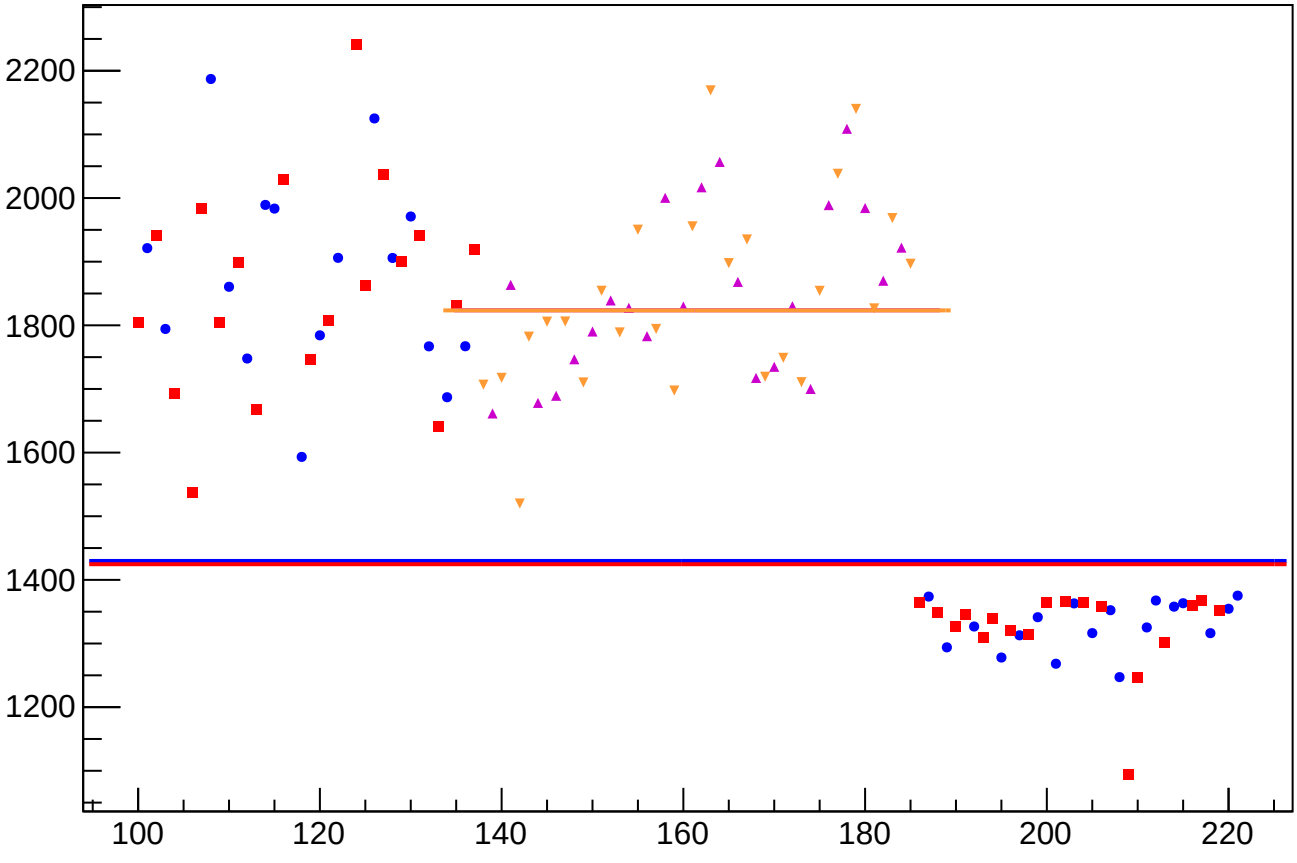
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 14.662+/-0.247 χ^2/NDF: 1390.1/58

All: 11.226+/-0.176 χ^2/NDF: 8546.0/118

- sign 7.676+/-0.252 χ^2/NDF: 6764.0/59

diff_bpm0i01aY_rms vs Slug



Right In: 1429.713+/-0.218 χ^2/NDF: 976864.9/33

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

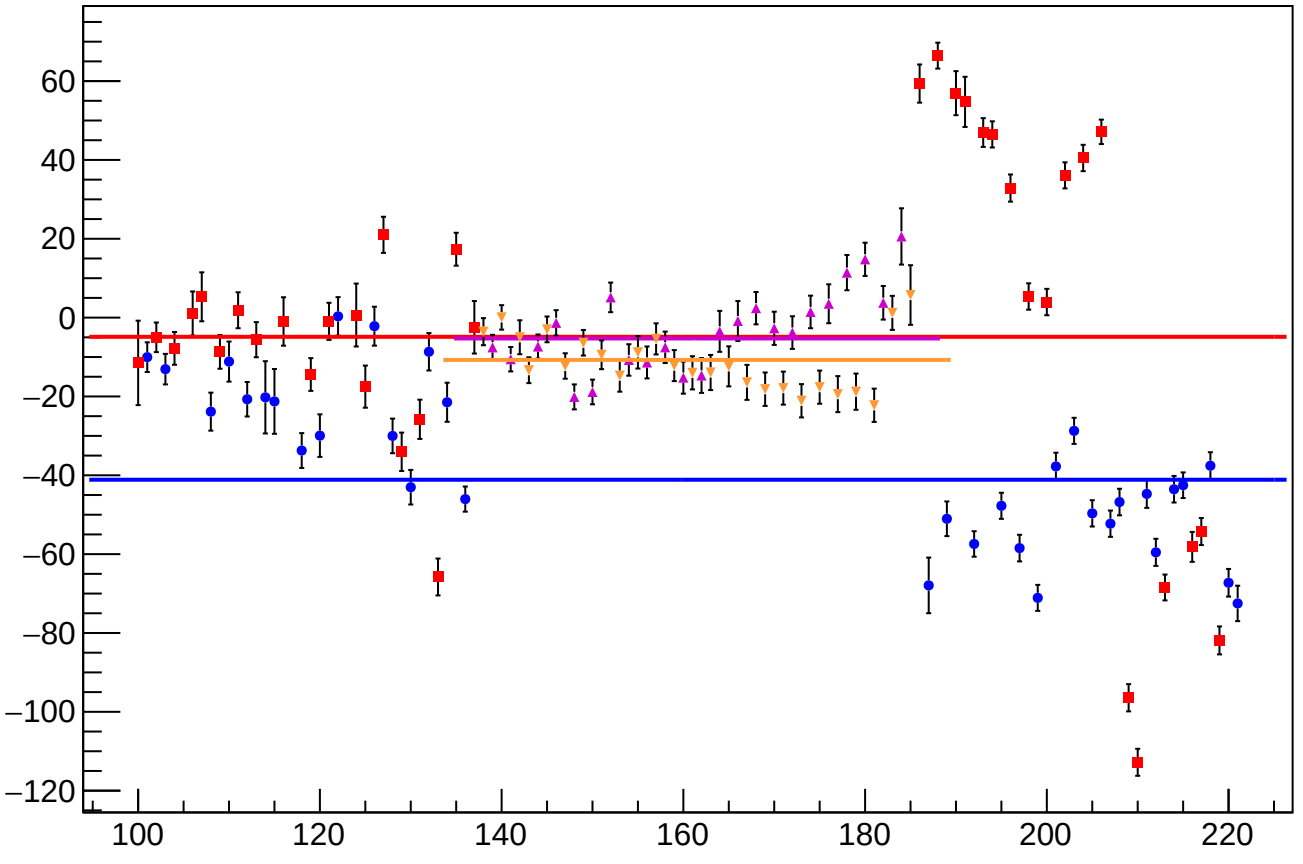
Right Out: 1424.610+/-0.220 χ^2/NDF: 1061489.4/36

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1569.278+/-0.175 χ^2/NDF: 2346472.8/58

All: 1565.973+/-0.125 χ^2/NDF: 4710746.5/11

- sign 1562.559+/-0.178 χ^2/NDF: 2363548.5/59



Right In: -41.123+/-0.675 χ^2/NDF: 743.2/33

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -4.868+/-0.676 χ^2/NDF: 5304.0/36

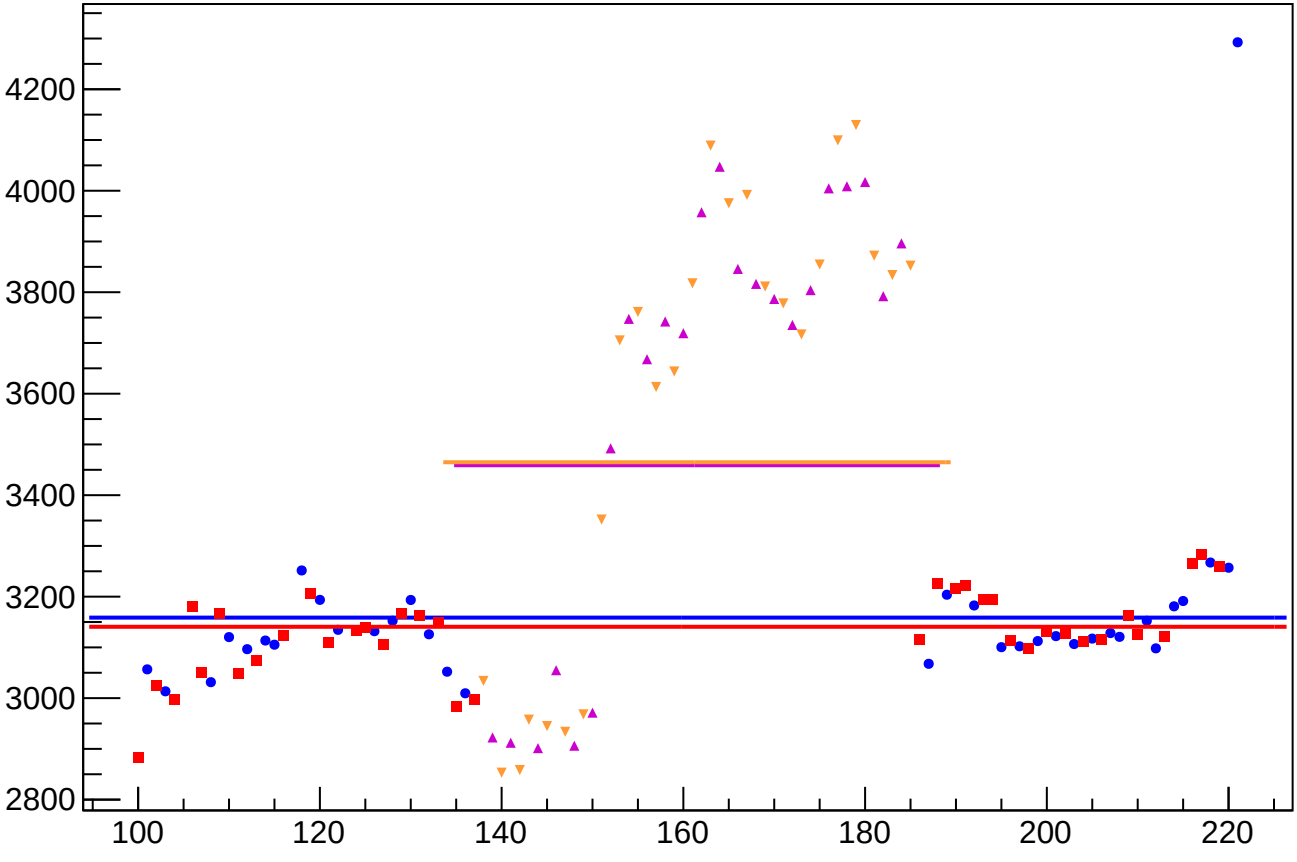
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -28.378+/-0.514 χ^2/NDF: 1668.0/58

All: -16.849+/-0.366 χ^2/NDF: 8123.8/118

- sign -5.041+/-0.520 χ^2/NDF: 5437.7/59

diff_bpm0l01X_rms vs Slug



Right In: 3158.701+/-0.477 χ^2/NDF: 148435.0/33

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3140.627+/-0.478 χ^2/NDF: 23726.9/36

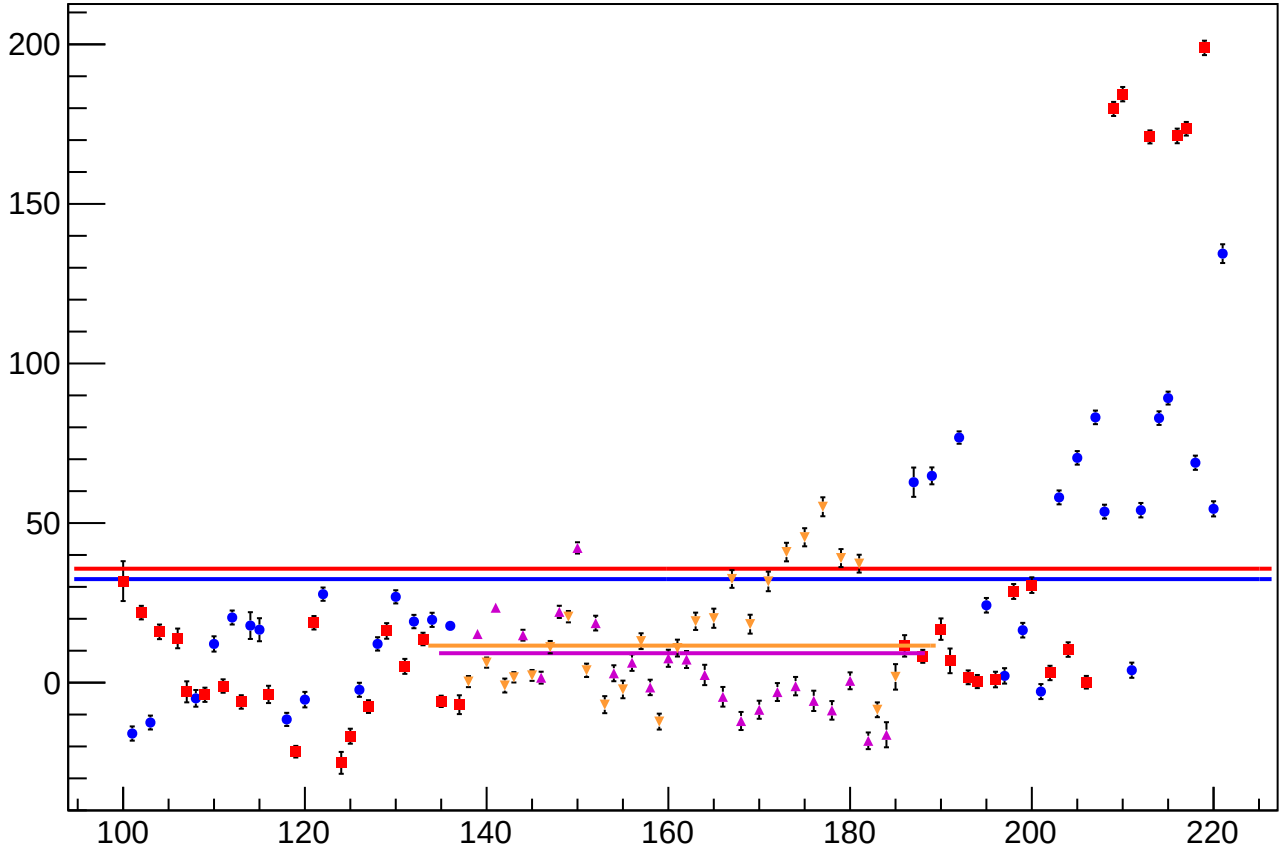
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3287.115+/-0.364 χ^2/NDF: 965246.7/58

All: 3278.959+/-0.259 χ^2/NDF: 1754286.4/11

- sign 3270.605+/-0.368 χ^2/NDF: 788020.5/59

diff_bpm0l01Y_mean vs Slug



Right In: 32.435+/-0.384 χ^2/NDF: 7895.7/33

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 35.697+/-0.382 χ^2/NDF: 32606.1/36

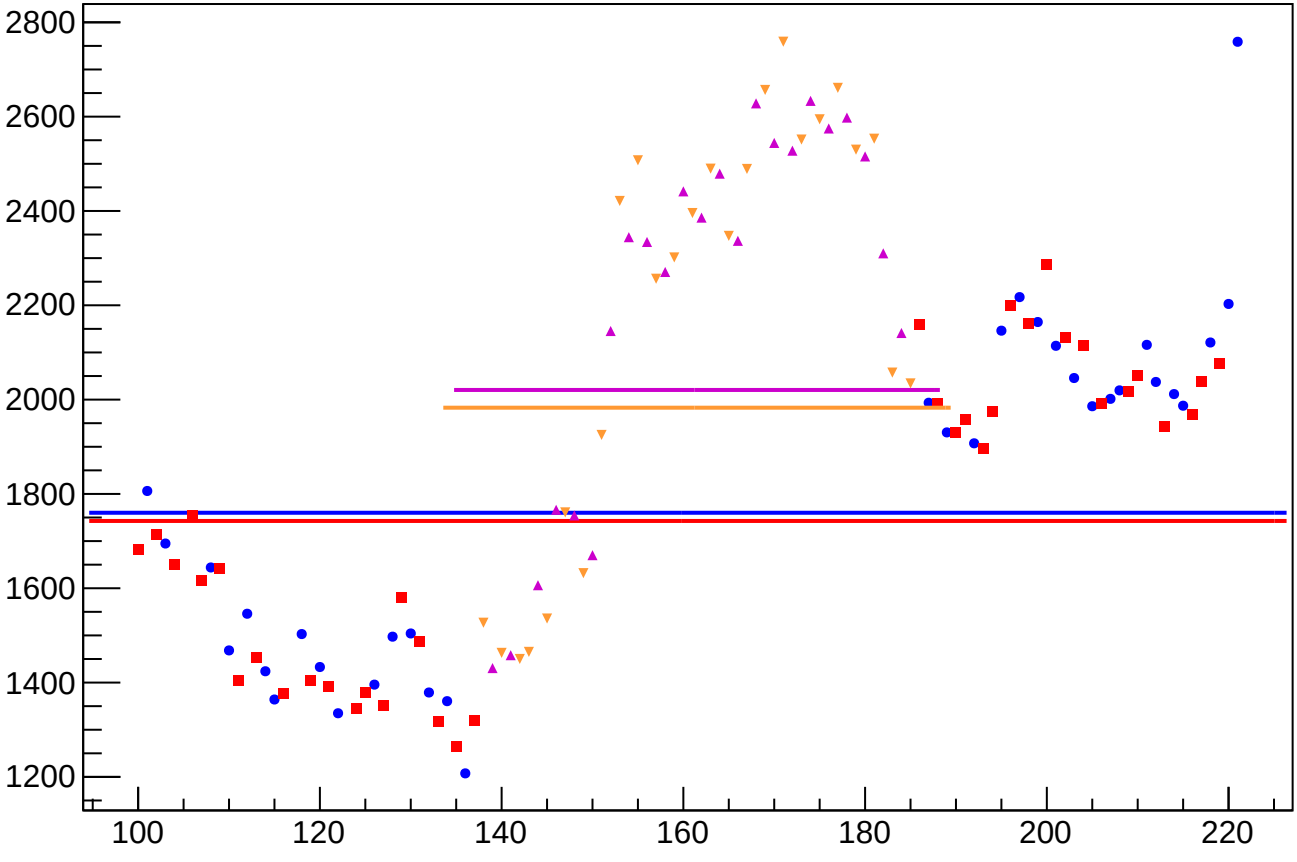
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 23.959+/-0.296 χ^2/NDF: 10291.8/58

All: 24.730+/-0.210 χ^2/NDF: 45697.9/118

- sign 25.524+/-0.300 χ^2/NDF: 35392.3/59

diff_bpm0l01Y_rms vs Slug



Right In: 1760.099+/-0.271 χ^2/NDF: 1712619.1/33

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1742.706+/-0.270 χ^2/NDF: 1401160.8/36

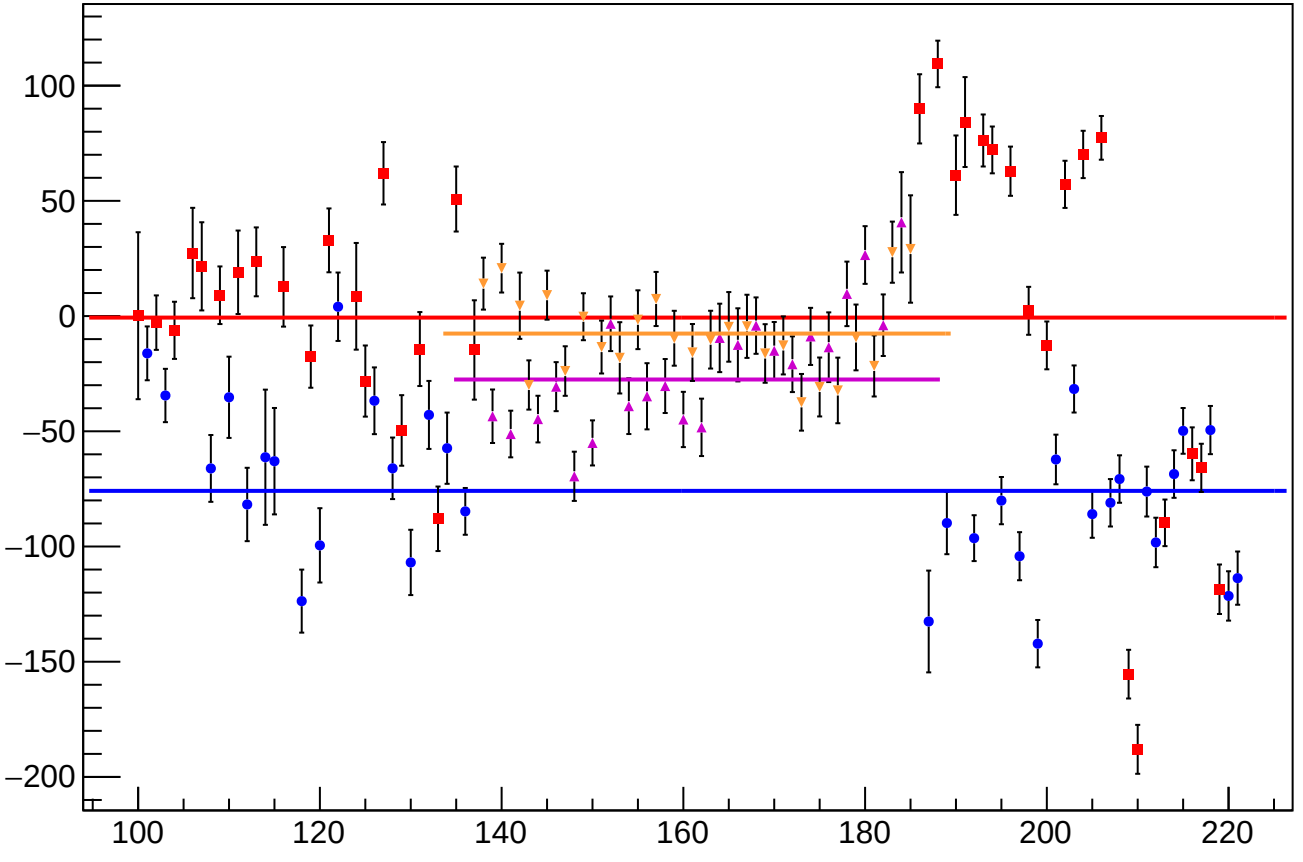
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1850.726+/-0.209 χ^2/NDF: 3964444.8/58

All: 1850.069+/-0.149 χ^2/NDF: 7386330.9/11

- sign 1849.392+/-0.212 χ^2/NDF: 3421866.0/59

diff_bpm0l02X_mean vs Slug



Right In: -75.859+/-2.077 χ^2/NDF: 238.3/33

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -0.660+/-2.095 χ^2/NDF: 1362.3/36

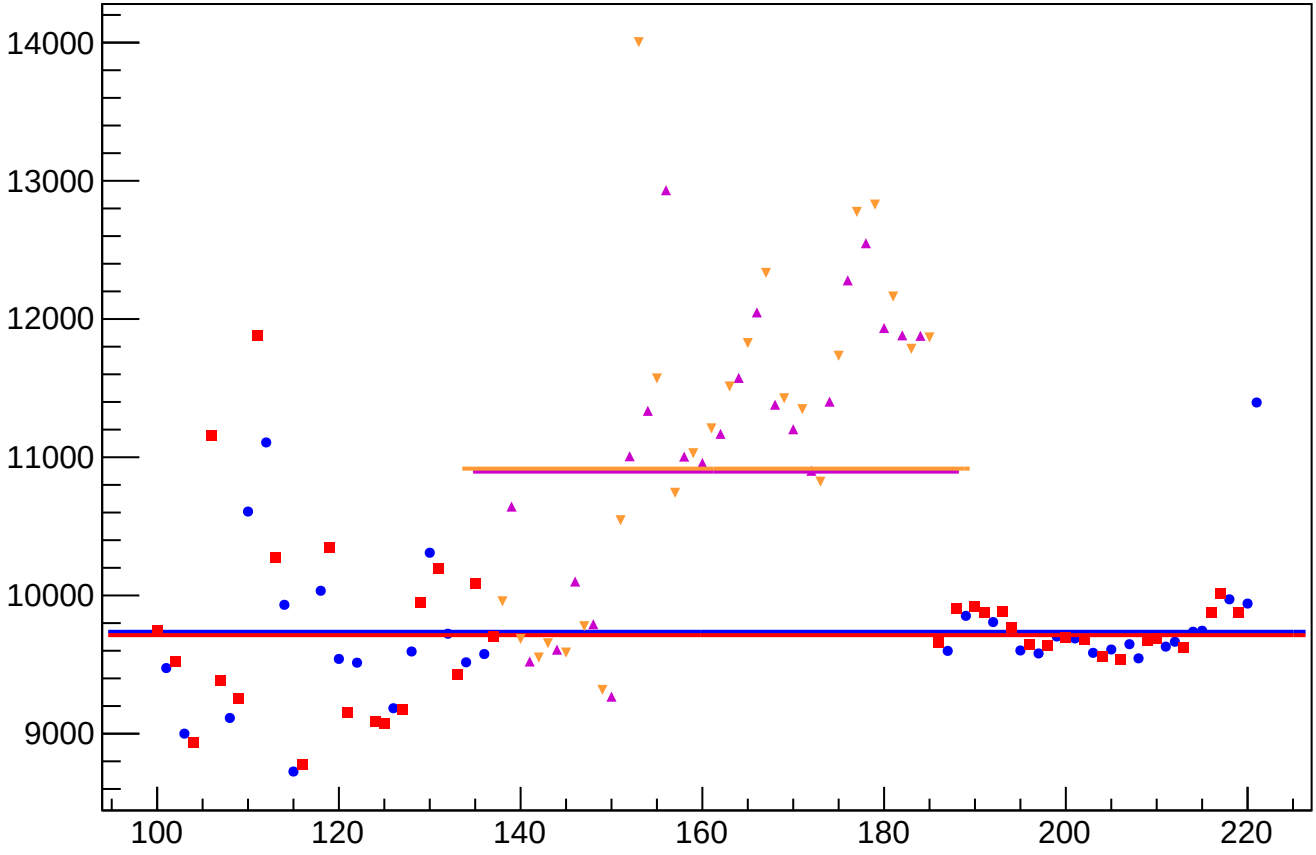
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -47.911+/-1.596 χ^2/NDF: 728.4/58

All: -29.952+/-1.137 χ^2/NDF: 2506.7/118

- sign -11.453+/-1.620 χ^2/NDF: 1521.4/59

diff_bpm0l02X_rms vs Slug



Right In: 9737.149+/-1.469 χ^2/NDF: 91488.5/33

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.849+/-1.481 χ^2/NDF: 85933.7/36

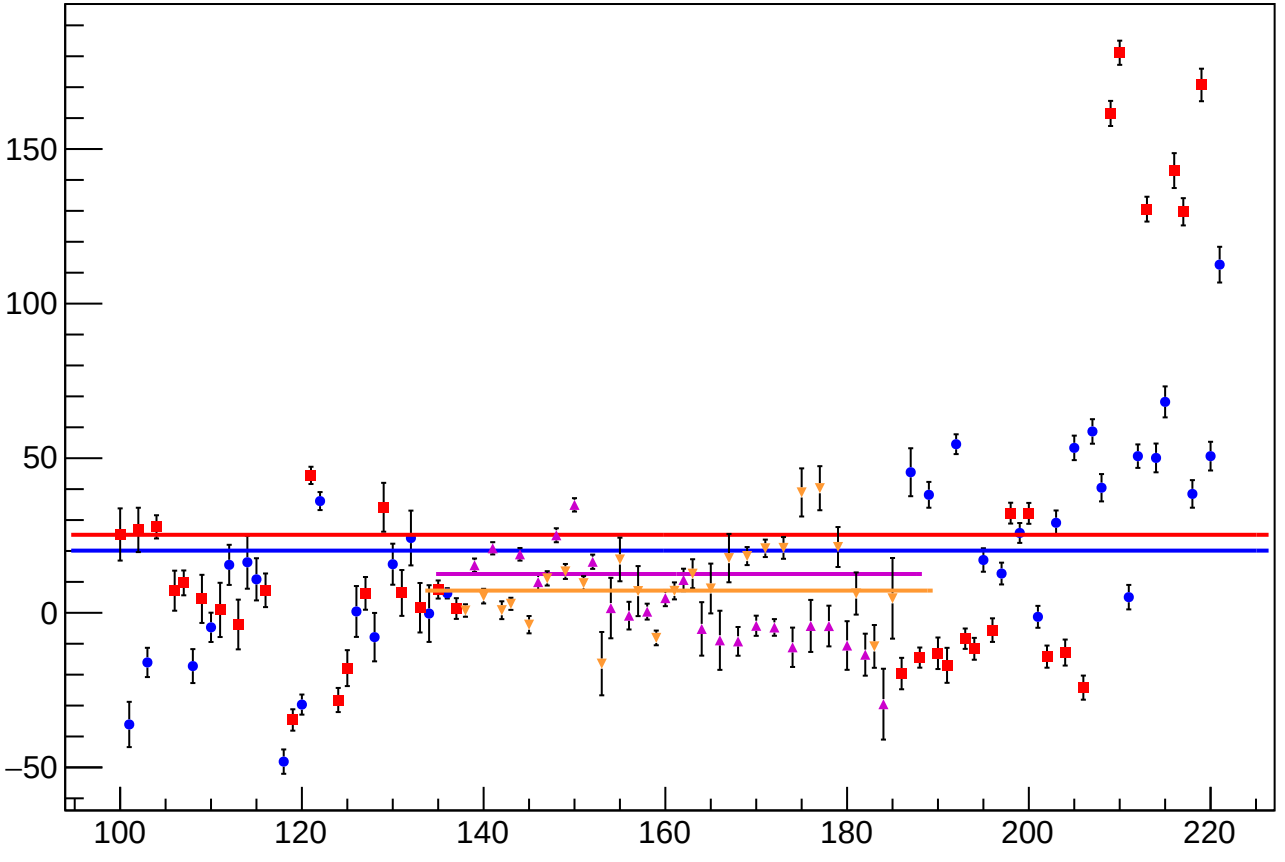
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10220.474+/-1.129 χ^2/NDF: 781779.5/58

All: 10204.534+/-0.804 χ^2/NDF: 1422473.3/1

- sign 10188.115+/-1.146 χ^2/NDF: 640289.0/59

diff_bpm0l02Y_mean vs Slug



Right In: 20.114+/-0.707 χ^2/NDF: 1761.4/33

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 25.232+/-0.708 χ^2/NDF: 6923.1/36

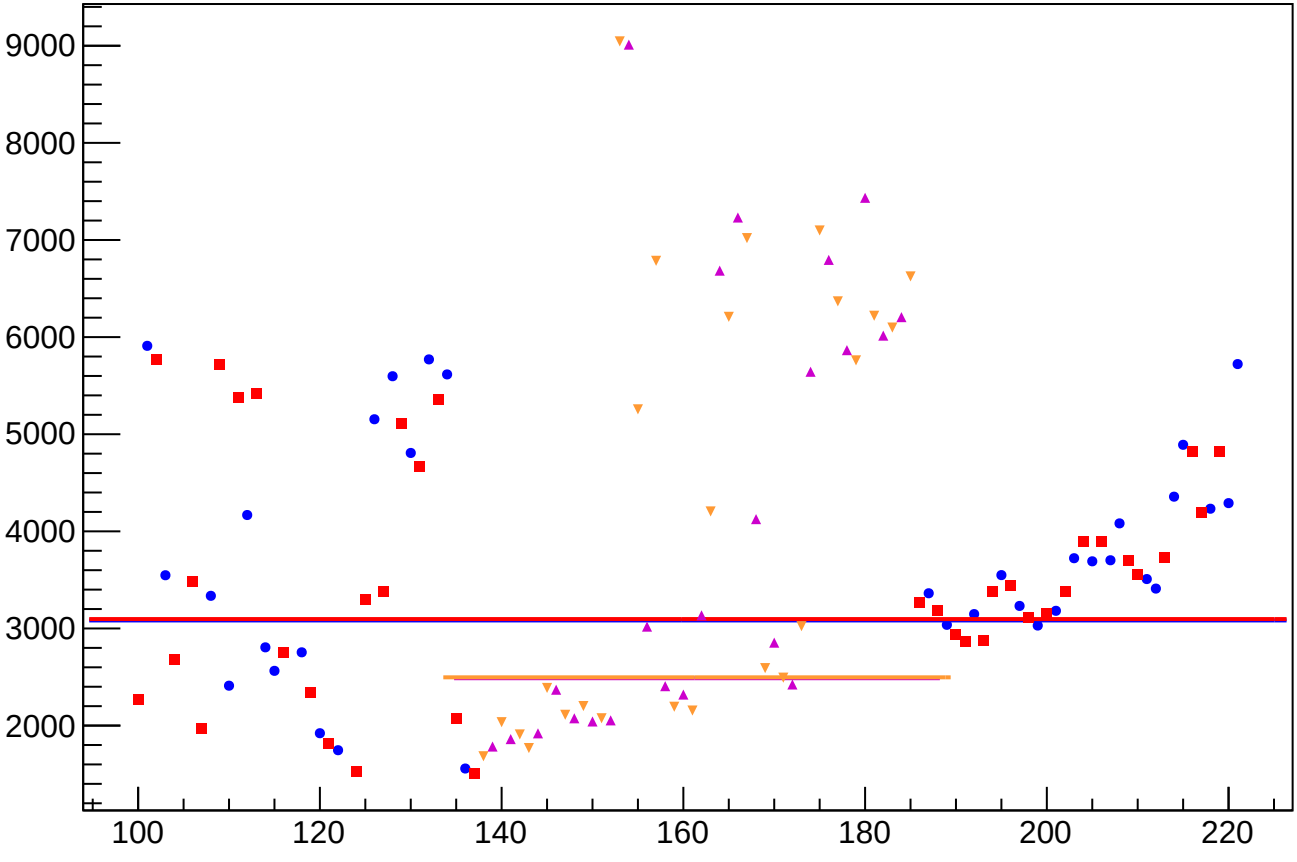
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 13.142+/-0.480 χ^2/NDF: 2143.4/58

All: 15.780+/-0.340 χ^2/NDF: 9670.8/118

- sign 18.452+/-0.483 χ^2/NDF: 7466.6/59

diff_bpm0l02Y_rms vs Slug



Right In: 3082.663+/-0.500 χ^2/NDF: 5023553.0/33

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 3096.775+/-0.501 χ^2/NDF: 3809623.0/36

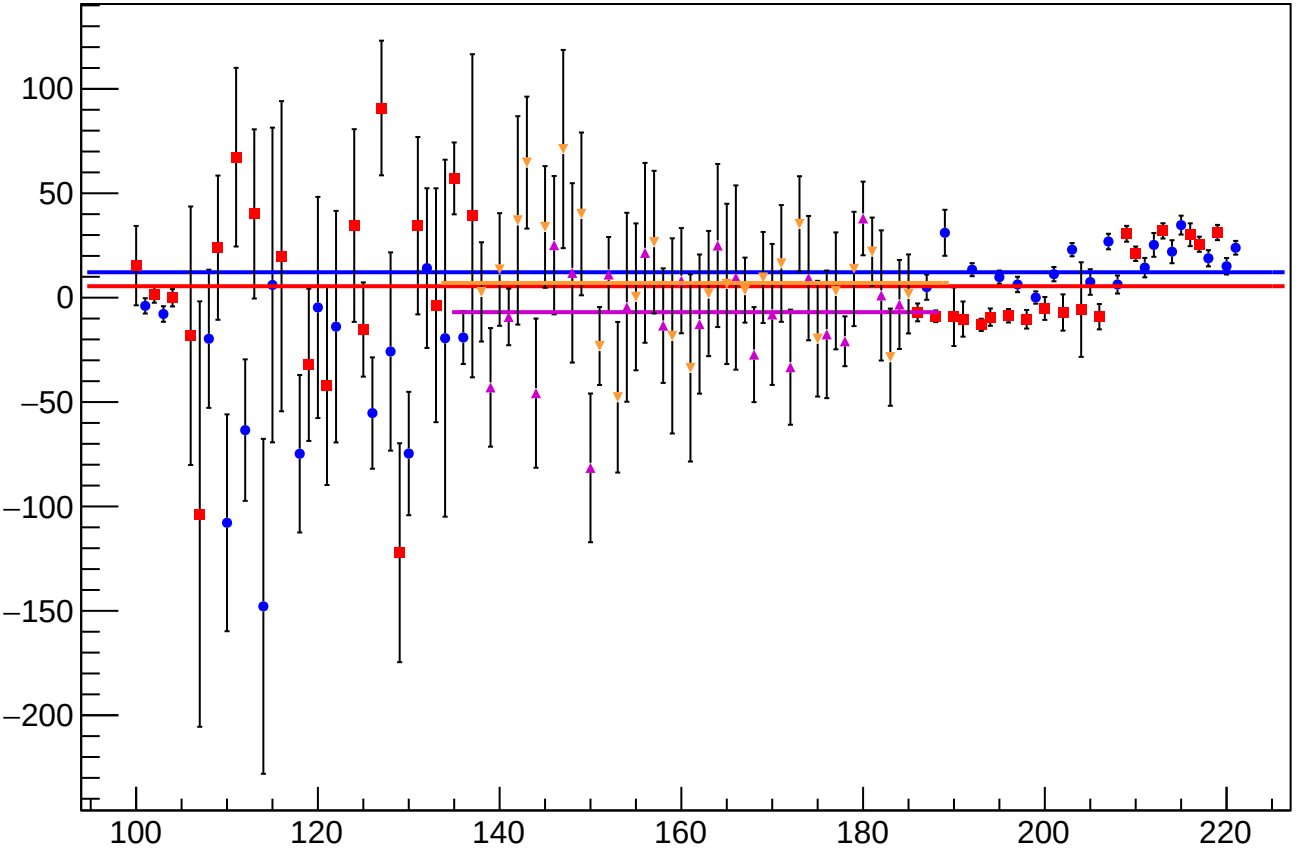
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2766.731+/-0.339 χ^2/NDF: 12969702.7/58

All: 2768.894+/-0.241 χ^2/NDF: 23673998.1/1

- sign 2771.084+/-0.342 χ^2/NDF: 10704213.7/59

diff_bpm0l03X_mean vs Slug



Right In: 12.176+/-0.875 χ^2/NDF: 194.6/33

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

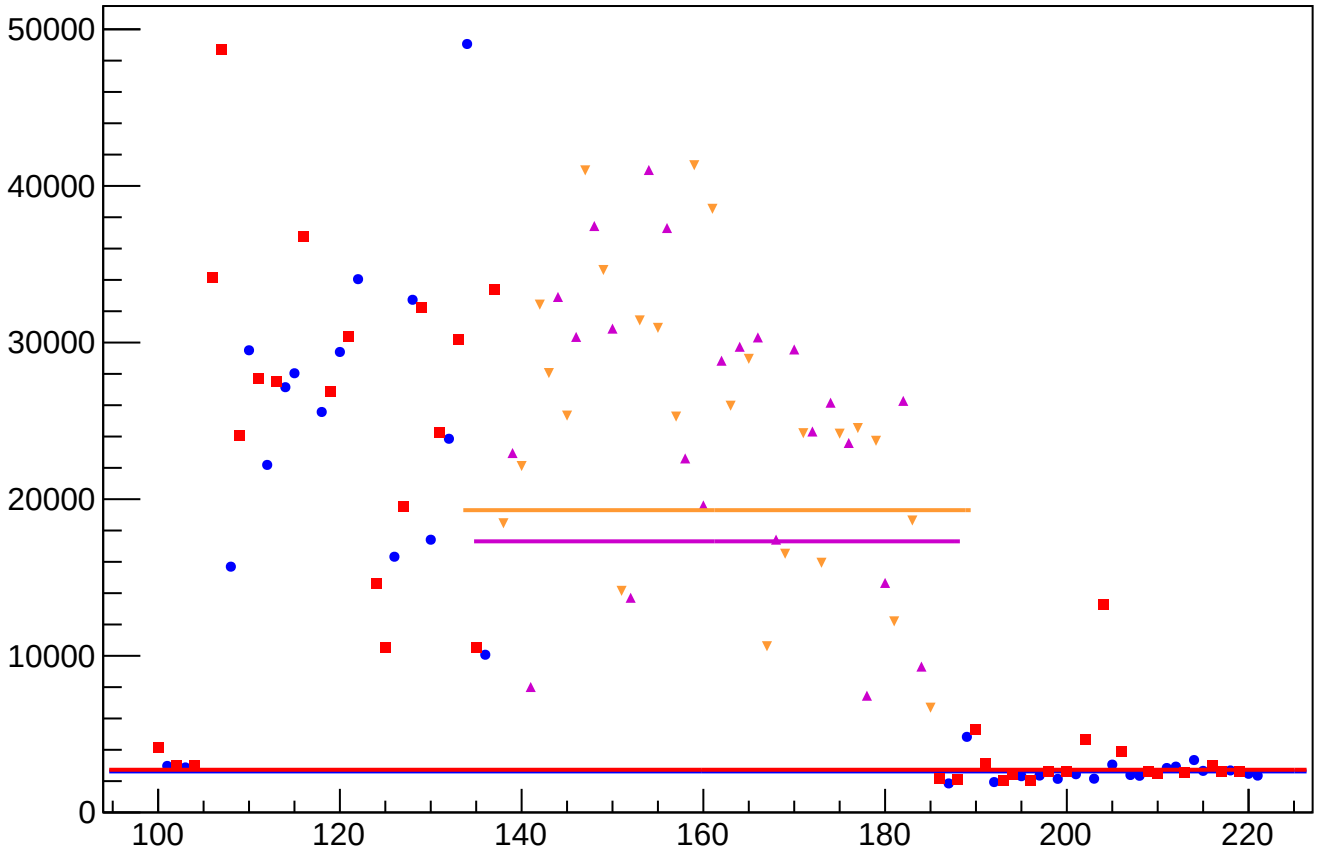
Right Out: 5.483+/-0.931 χ^2/NDF: 387.0/36

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 12.037+/-0.863 χ^2/NDF: 215.1/58

All: 8.764+/-0.628 χ^2/NDF: 659.5/118

- sign 5.081+/-0.916 χ^2/NDF: 413.8/59



Right In: 2620.025+/-0.619 χ^2/NDF: 8006936.8/33

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2725.761+/-0.658 χ^2/NDF: 9434622.7/36

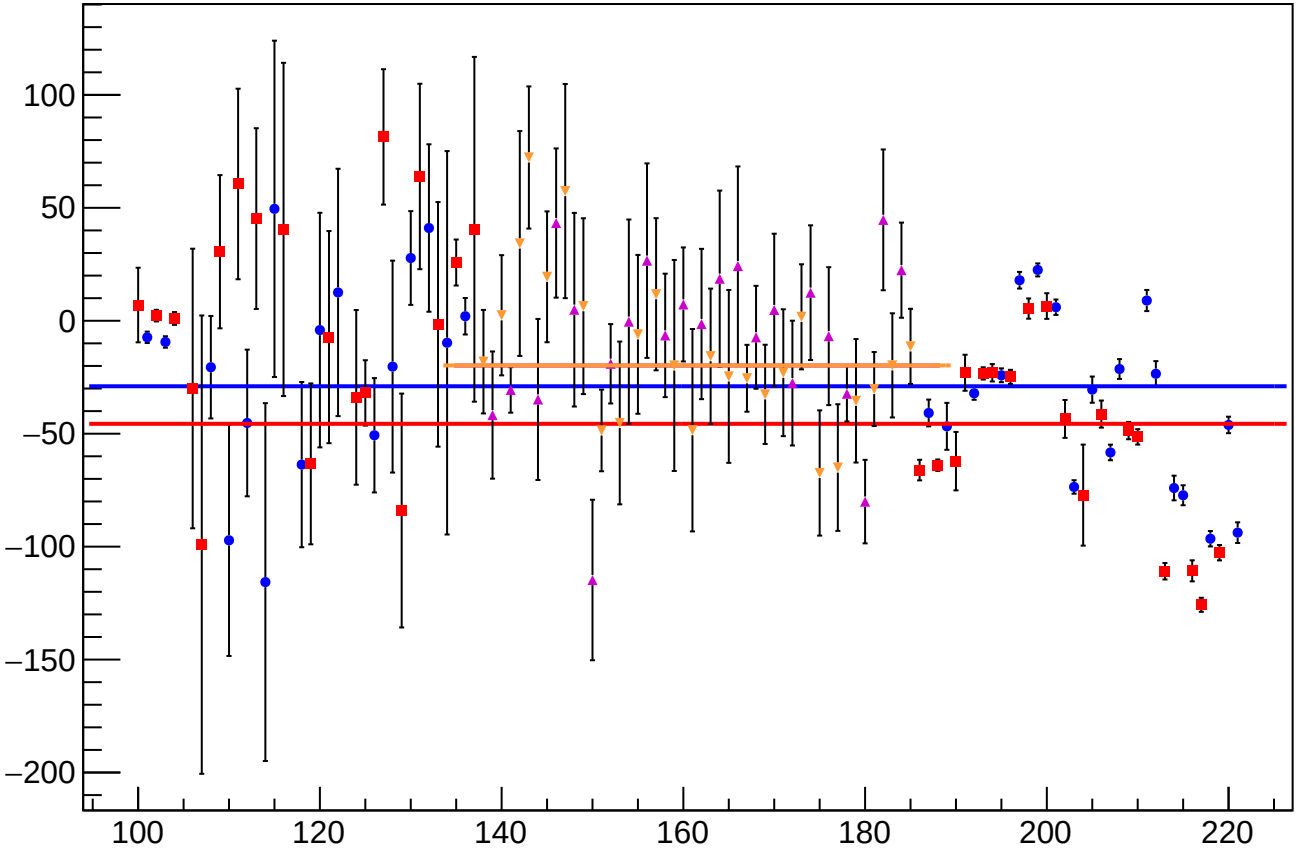
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3074.742+/-0.610 χ^2/NDF: 32849901.9/58

All: 3132.564+/-0.444 χ^2/NDF: 64906825.7/1

- sign 3197.644+/-0.647 χ^2/NDF: 32037845.6/59

diff_bpm0l03Y_mean vs Slug



Right In: -28.998+/-0.808 χ^2/NDF: 1928.7/33

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -45.624+/-0.839 χ^2/NDF: 2631.6/36

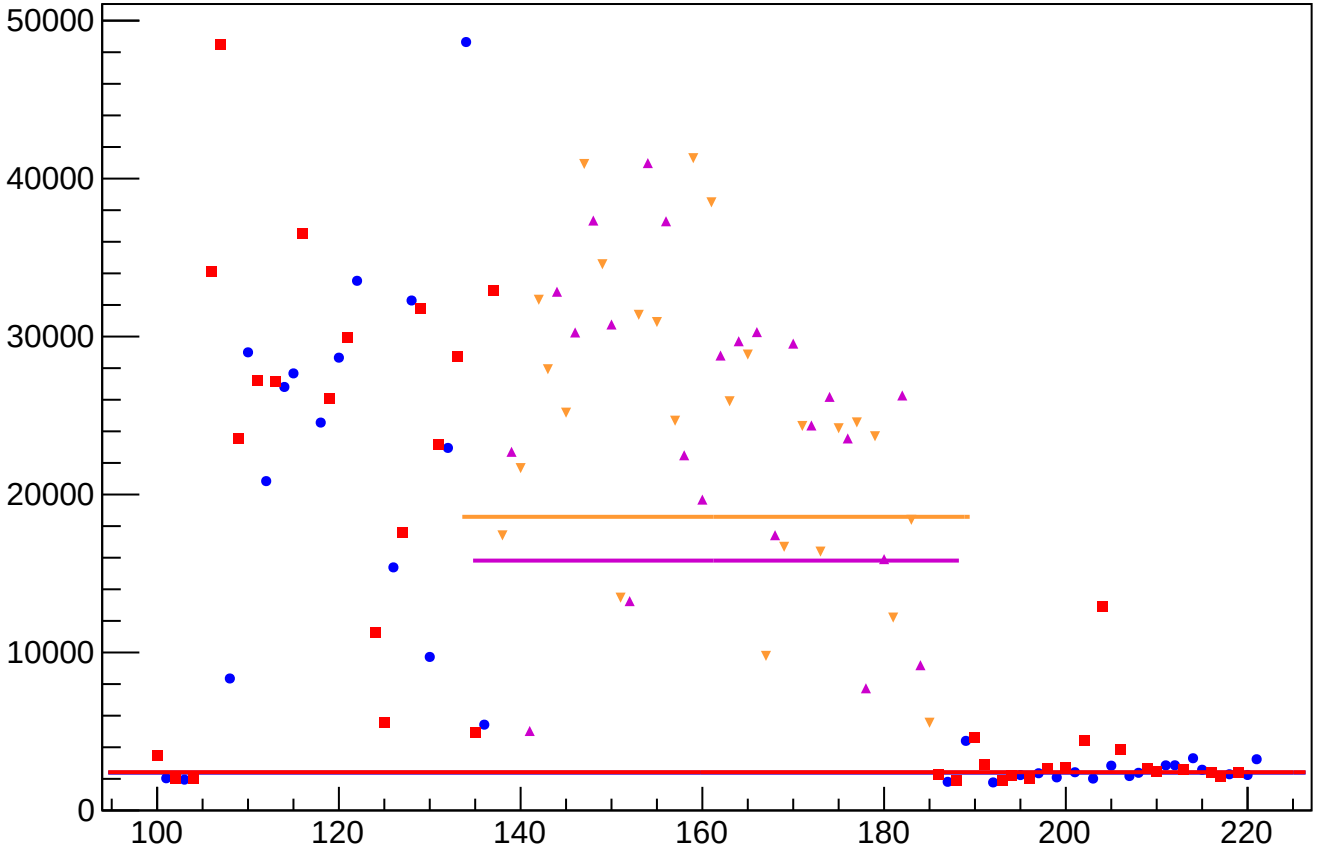
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -28.774+/-0.798 χ^2/NDF: 1959.6/58

All: -36.546+/-0.574 χ^2/NDF: 4855.4/118

- sign -44.874+/-0.826 χ^2/NDF: 2699.4/59

diff_bpm0l03Y_rms vs Slug



Right In: 2394.772+/-0.571 χ^2/NDF: 7249386.3/33

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2421.608+/-0.593 χ^2/NDF: 9032913.3/36

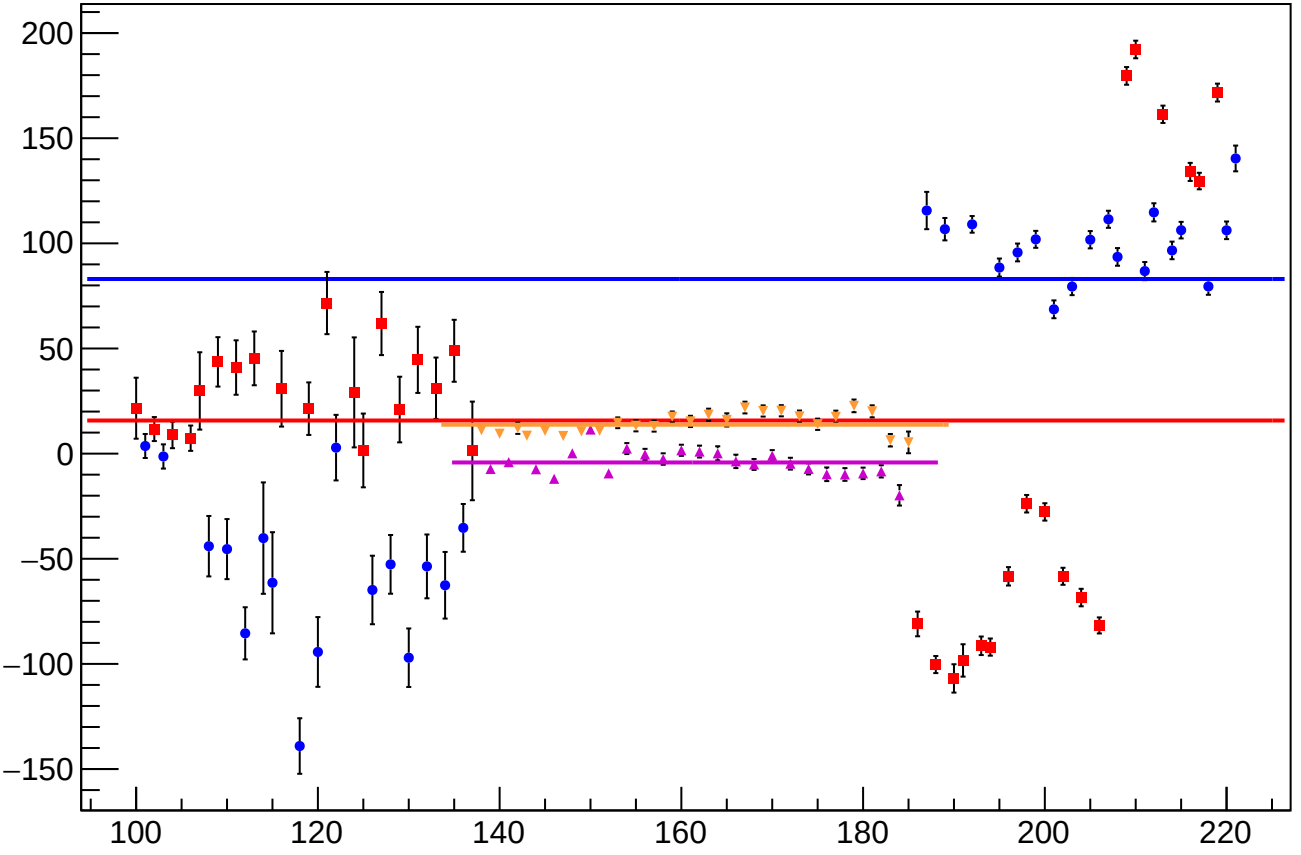
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2788.896+/-0.564 χ^2/NDF: 32494837.7/58

All: 2799.634+/-0.406 χ^2/NDF: 64776782.0/1

- sign 2811.140+/-0.584 χ^2/NDF: 32281194.6/59

diff_bpm0l04X_mean vs Slug



Right In: 83.054+/-0.965 χ^2/NDF: 2267.4/33

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 15.754+/-0.956 χ^2/NDF: 12346.5/36

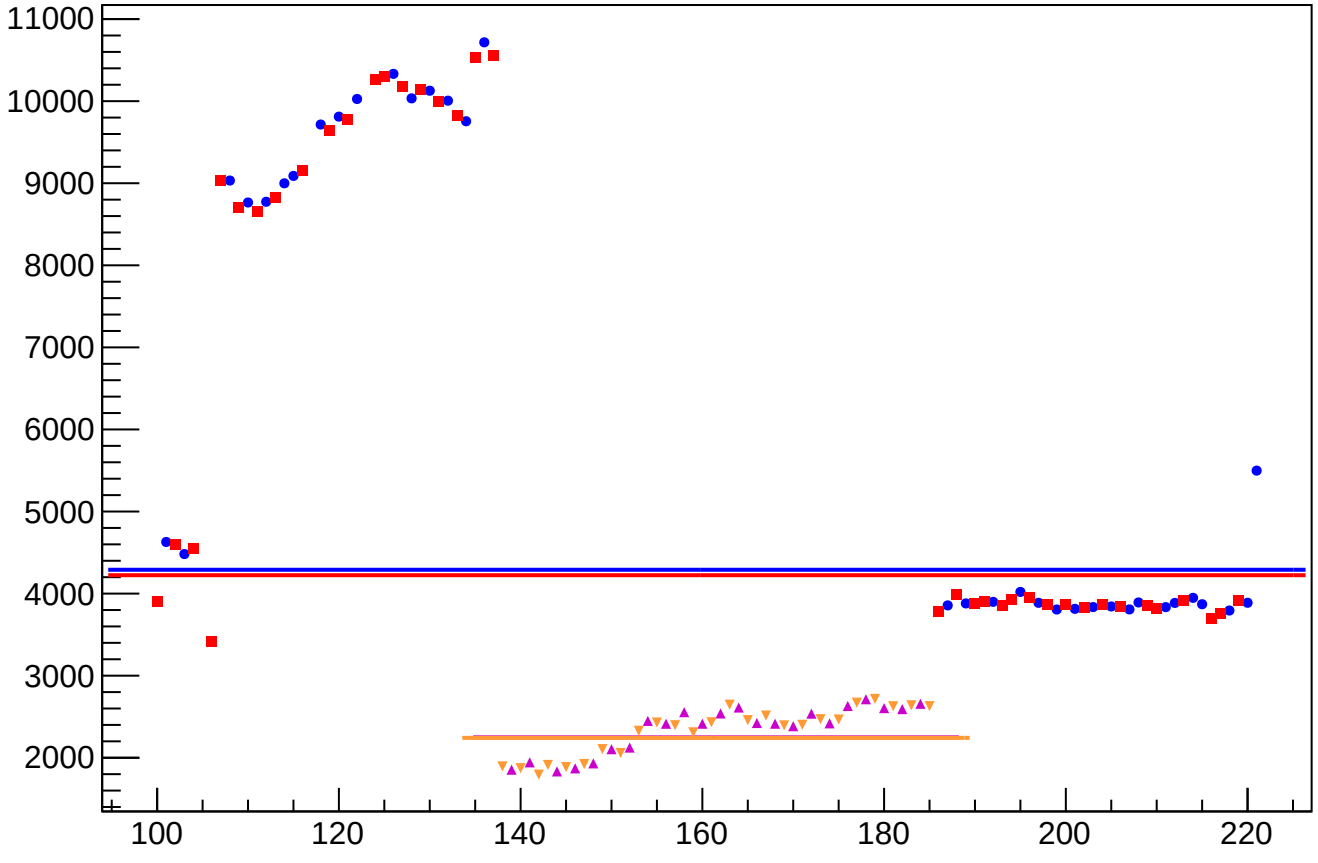
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 29.087+/-0.454 χ^2/NDF: 6364.3/58

All: 15.099+/-0.324 χ^2/NDF: 21112.1/118

- sign 0.493+/-0.464 χ^2/NDF: 12803.9/59

diff_bpm0l04X_rms vs Slug



Right In: 4290.486+/-0.682 χ^2/NDF: 4198656.0/33

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4224.234+/-0.676 χ^2/NDF: 4060997.0/36

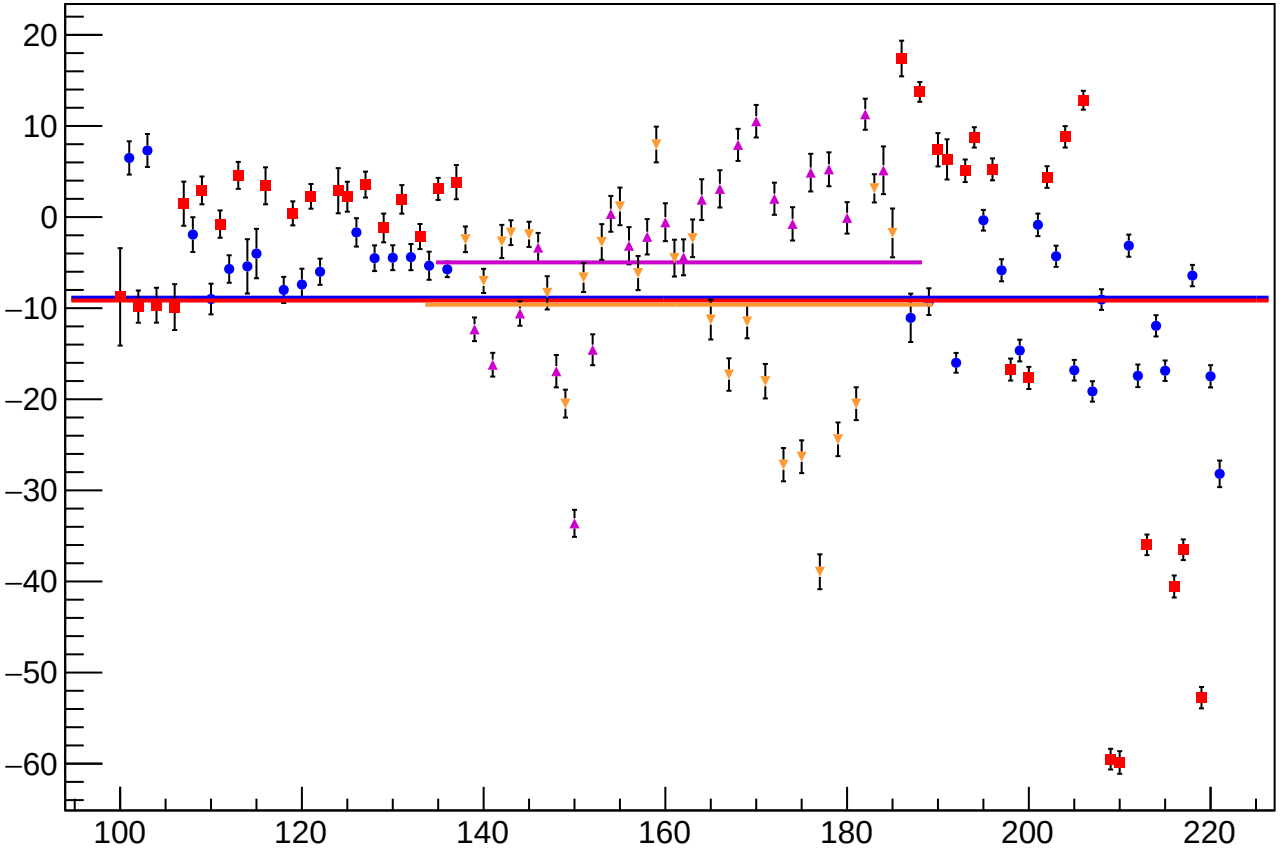
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2695.347+/-0.321 χ^2/NDF: 11880265.5/58

All: 2704.210+/-0.229 χ^2/NDF: 23122745.4/1

- sign 2713.464+/-0.328 χ^2/NDF: 11240919.3/59

diff_bpm0l04Y_mean vs Slug



Right In: -8.849+/-0.229 χ^2/NDF: 924.2/33

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

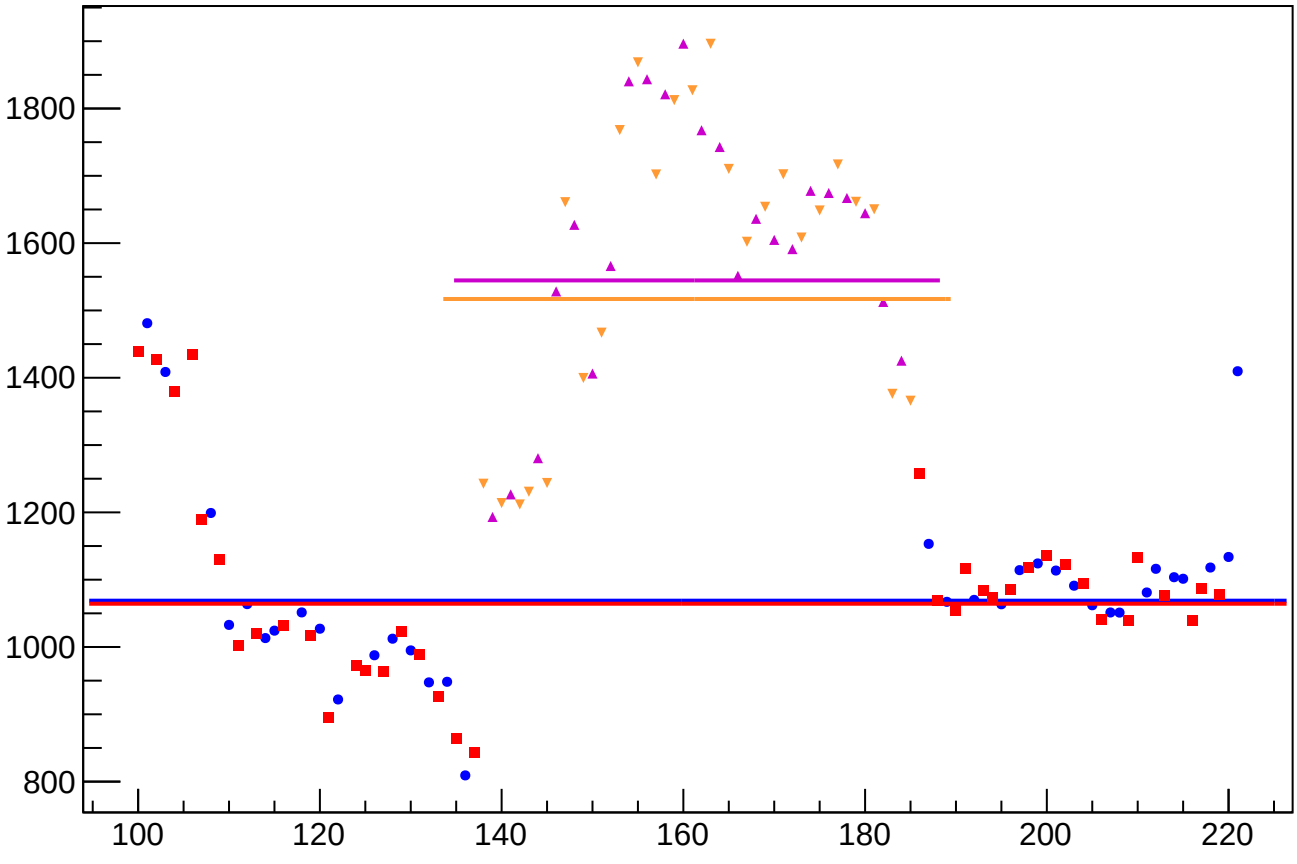
Right Out: -9.157+/-0.230 χ^2/NDF: 9789.5/36

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -9.082+/-0.192 χ^2/NDF: 1861.9/58

All: -8.531+/-0.137 χ^2/NDF: 12692.0/118

- sign -7.964+/-0.195 χ^2/NDF: 10813.3/59



Right In: 1068.793+/-0.162 χ^2/NDF: 568522.2/33

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1064.280+/-0.163 χ^2/NDF: 416255.2/36

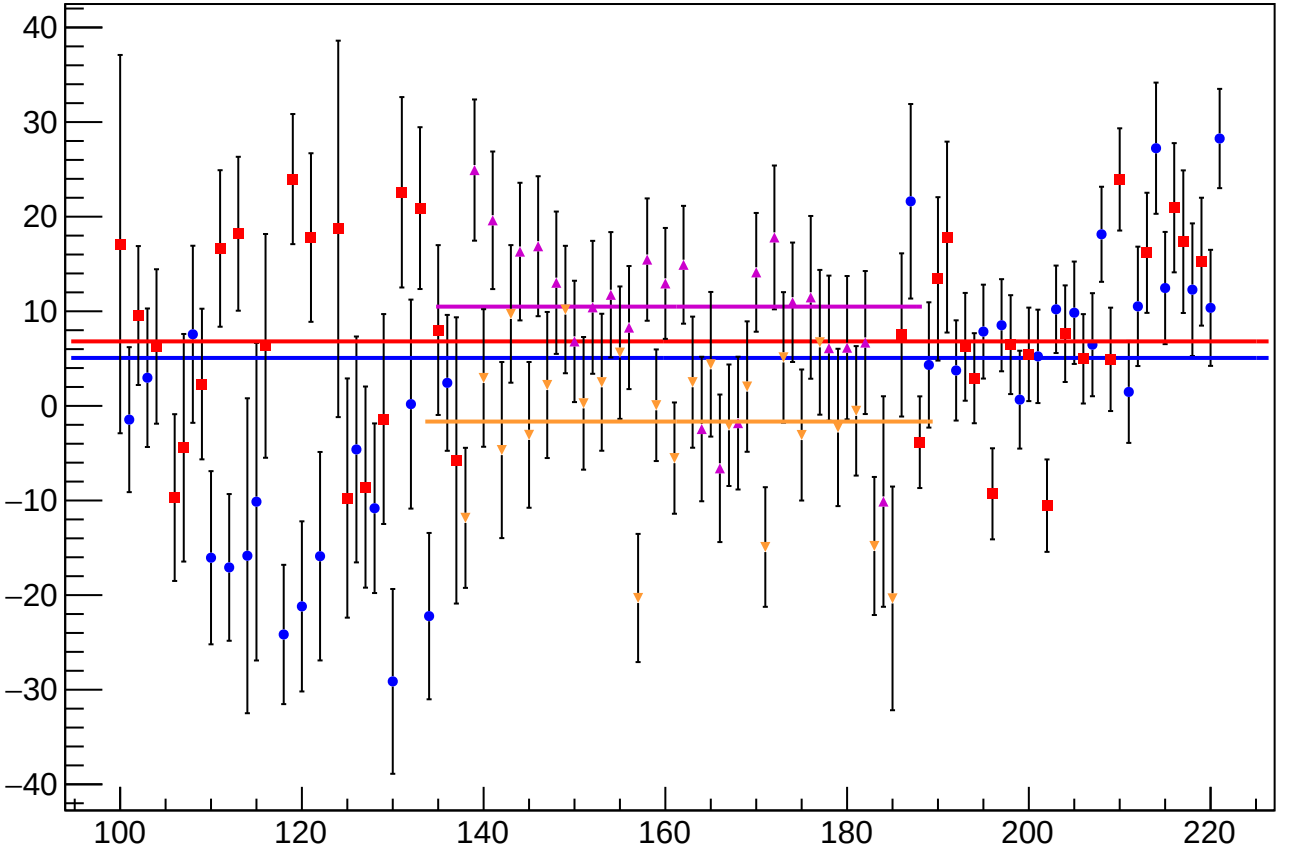
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1203.938+/-0.136 χ^2/NDF: 3704267.3/58

All: 1202.640+/-0.097 χ^2/NDF: 7240280.3/11

- sign 1201.300+/-0.138 χ^2/NDF: 3535826.6/59

diff_bpm0l05X_mean vs Slug



Right In: 5.069+/-1.141 χ^2/NDF: 118.1/33

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 6.817+/-1.146 χ^2/NDF: 78.3/36

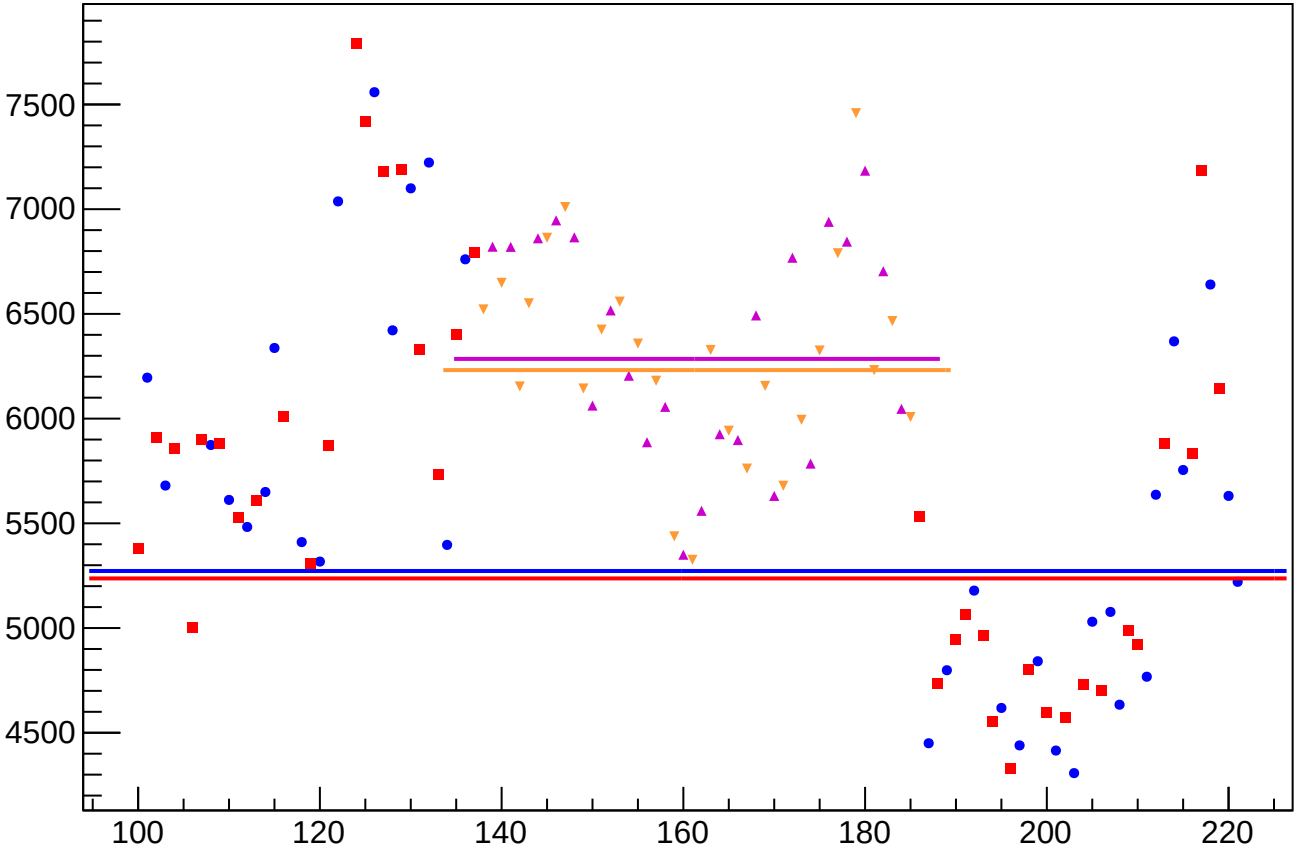
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 2.444+/-0.891 χ^2/NDF: 163.1/58

All: 5.272+/-0.635 χ^2/NDF: 290.7/118

- sign 8.195+/-0.906 χ^2/NDF: 107.1/59

diff_bpm0l05X_rms vs Slug



Right In: 5272.473+/-0.807 χ^2/NDF: 921549.2/33

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5236.915+/-0.810 χ^2/NDF: 871336.8/36

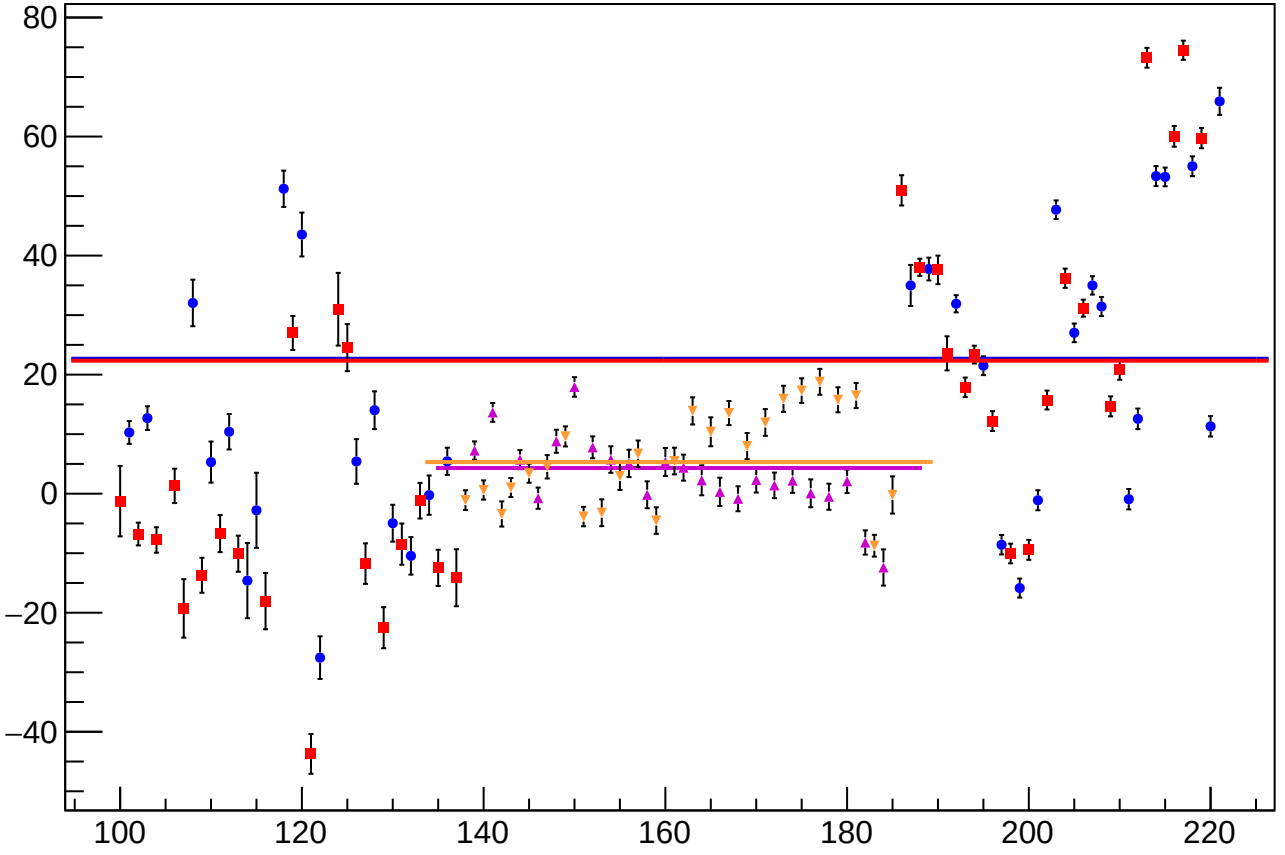
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5646.846+/-0.630 χ^2/NDF: 1699860.1/58

All: 5638.445+/-0.449 χ^2/NDF: 3464300.6/11

- sign 5629.763+/-0.641 χ^2/NDF: 1764079.0/59

diff_bpm0l05Y_mean vs Slug



Right In: 22.669+/-0.352 χ^2/NDF: 4147.8/33

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 22.344+/-0.351 χ^2/NDF: 6149.6/36

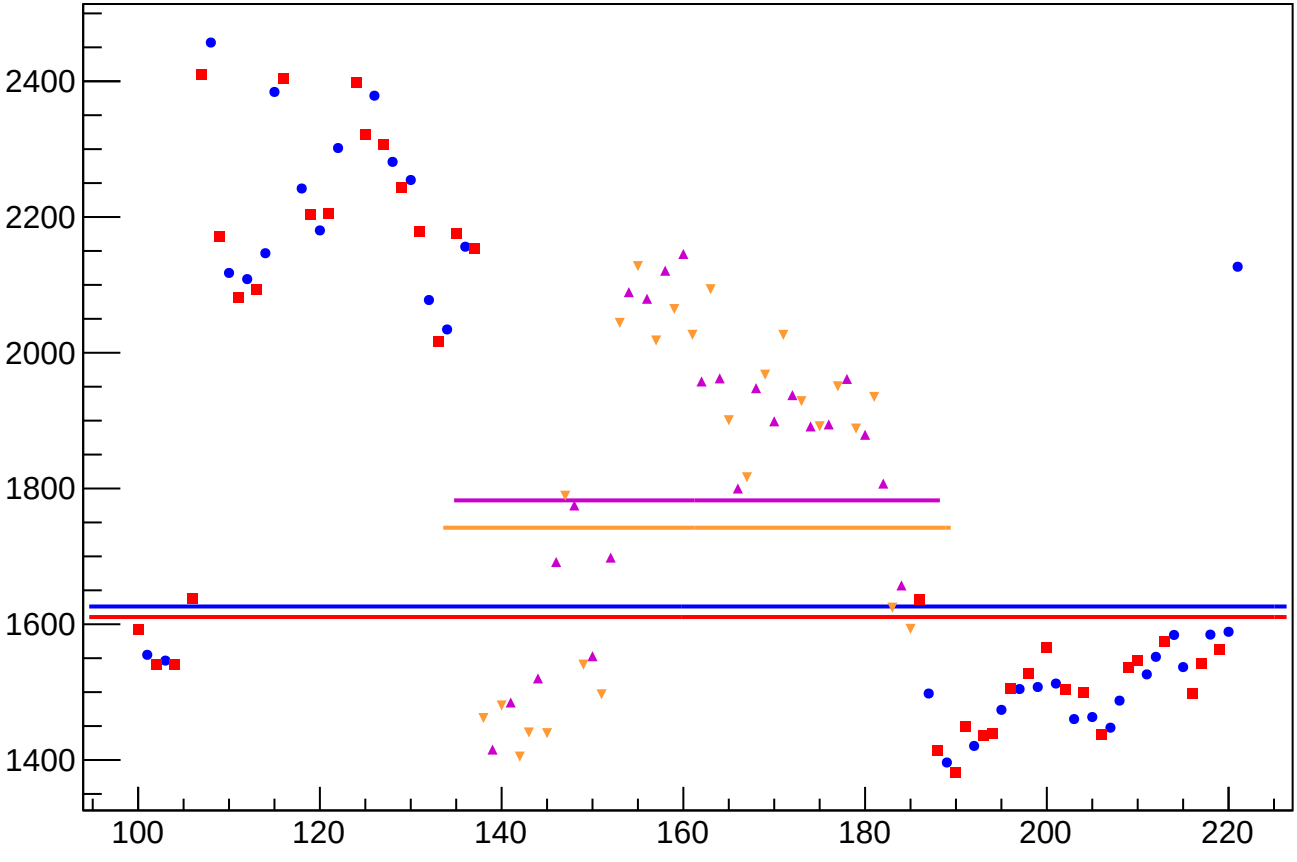
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 15.103+/-0.264 χ^2/NDF: 5586.2/58

All: 15.013+/-0.189 χ^2/NDF: 13040.7/118

\- sign 14.920+/-0.270 χ^2/NDF: 7454.3/59

diff_bpm0l05Y_rms vs Slug



Right In: 1626.179+/-0.249 χ^2/NDF: 1181834.6/33

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1610.644+/-0.248 χ^2/NDF: 1061656.5/36

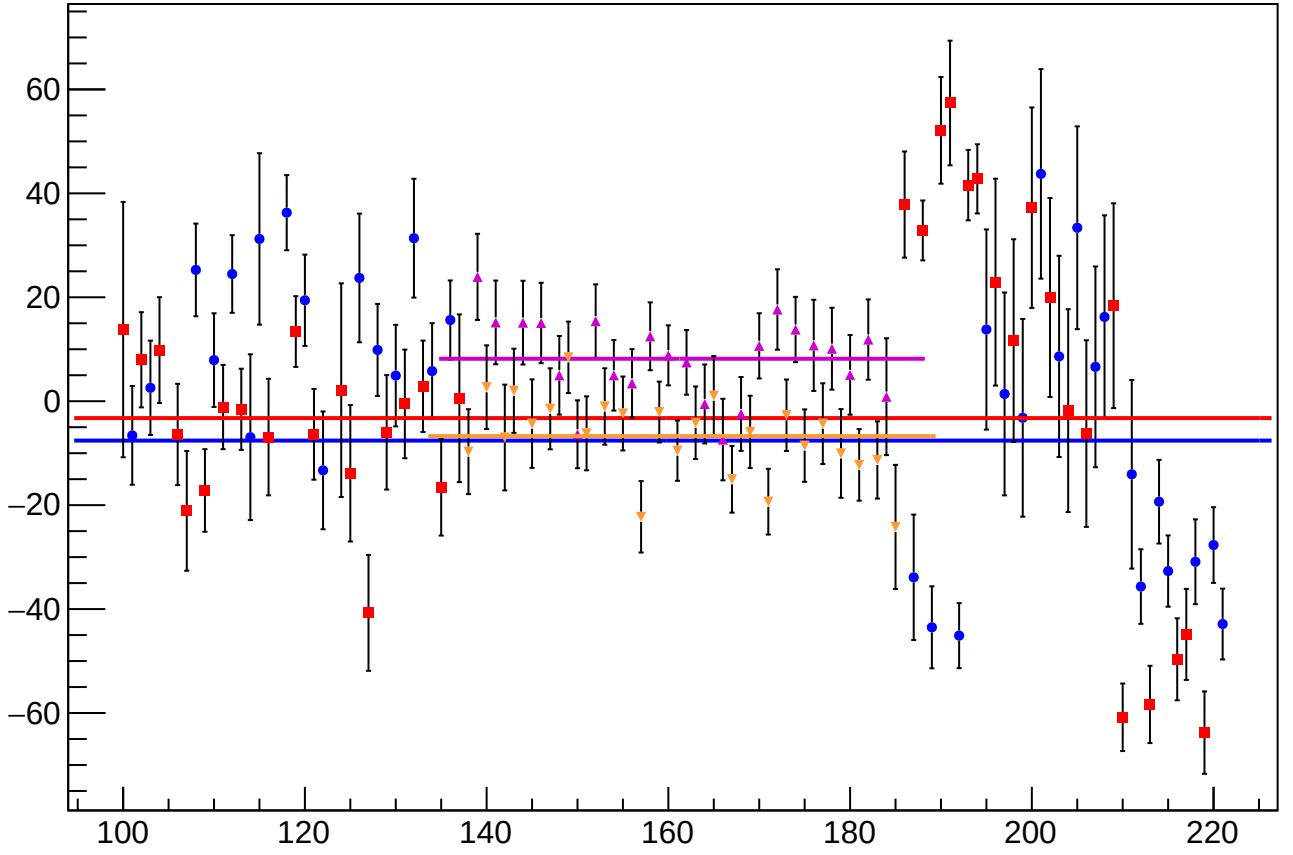
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1676.760+/-0.187 χ^2/NDF: 2044276.1/58

All: 1679.031+/-0.133 χ^2/NDF: 3837544.1/11

- sign 1681.392+/-0.191 χ^2/NDF: 1792966.8/59

diff_bpm0l06X_mean vs Slug



Right In: -7.576+/-1.657 χ^2/NDF: 273.3/33

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -3.247+/-1.582 χ^2/NDF: 490.4/36

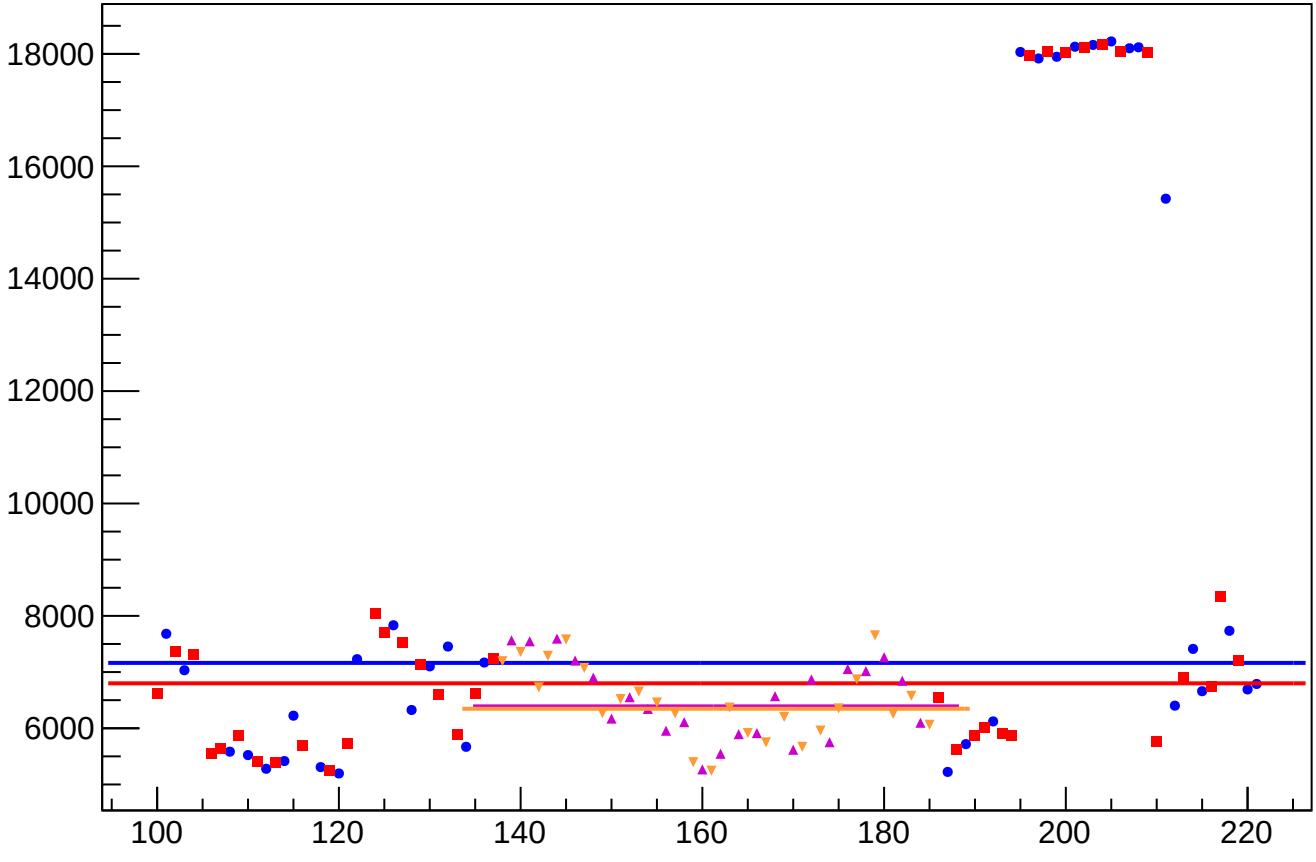
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -7.089+/-1.095 χ^2/NDF: 299.1/58

All: -2.170+/-0.773 χ^2/NDF: 881.3/118

- sign 2.728+/-1.092 χ^2/NDF: 541.9/59

diff_bpm0l06X_rms vs Slug



Right In: 7163.208+/-1.172 χ^2/NDF: 6286391.4/33

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6799.888+/-1.119 χ^2/NDF: 5506170.4/36

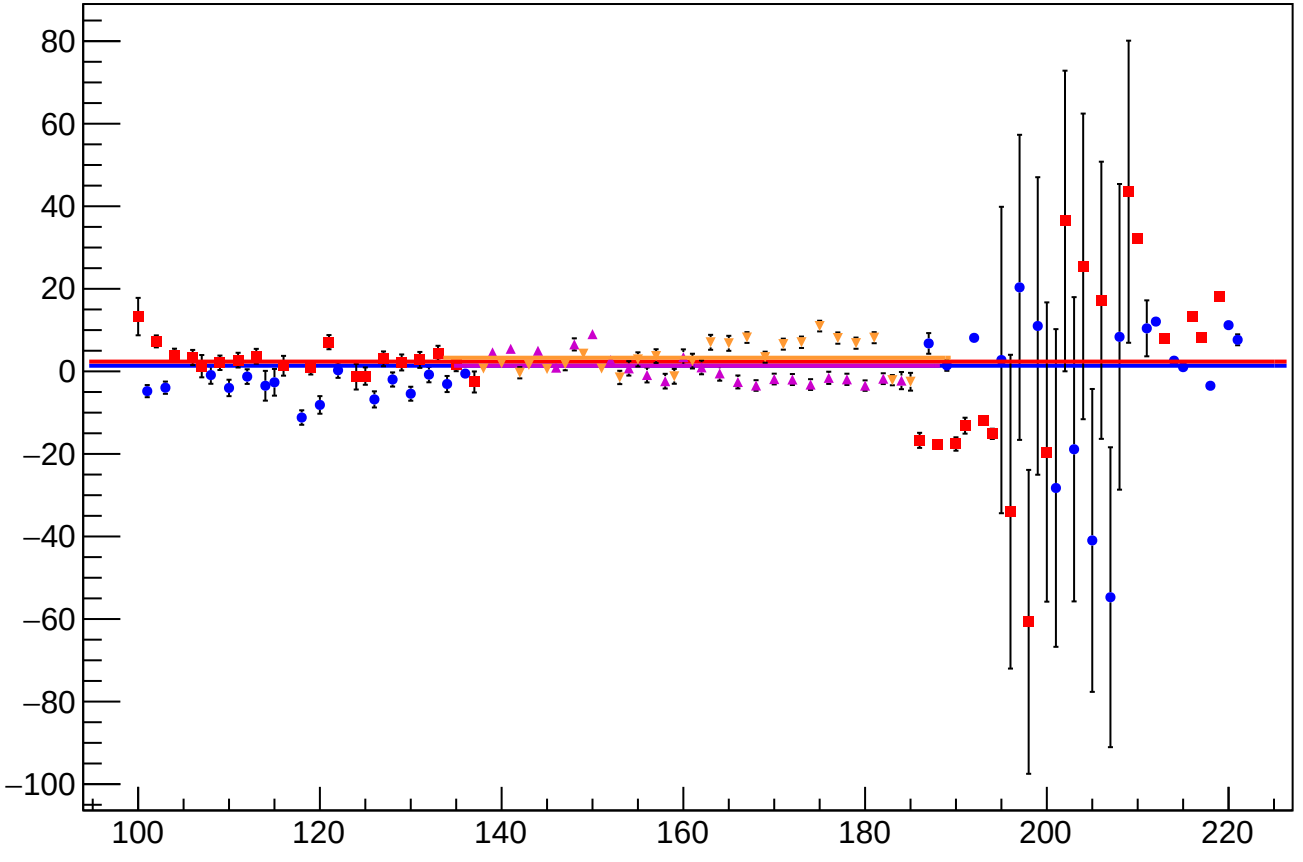
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6703.176+/-0.774 χ^2/NDF: 6945705.4/58

All: 6644.015+/-0.547 χ^2/NDF: 12953748.3/1

- sign 6585.107+/-0.772 χ^2/NDF: 5996383.3/59

diff_bpm0l06Y_mean vs Slug



Right In: 1.366+/-0.291 χ^2/NDF: 431.6/33

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 2.370+/-0.277 χ^2/NDF: 2115.9/36

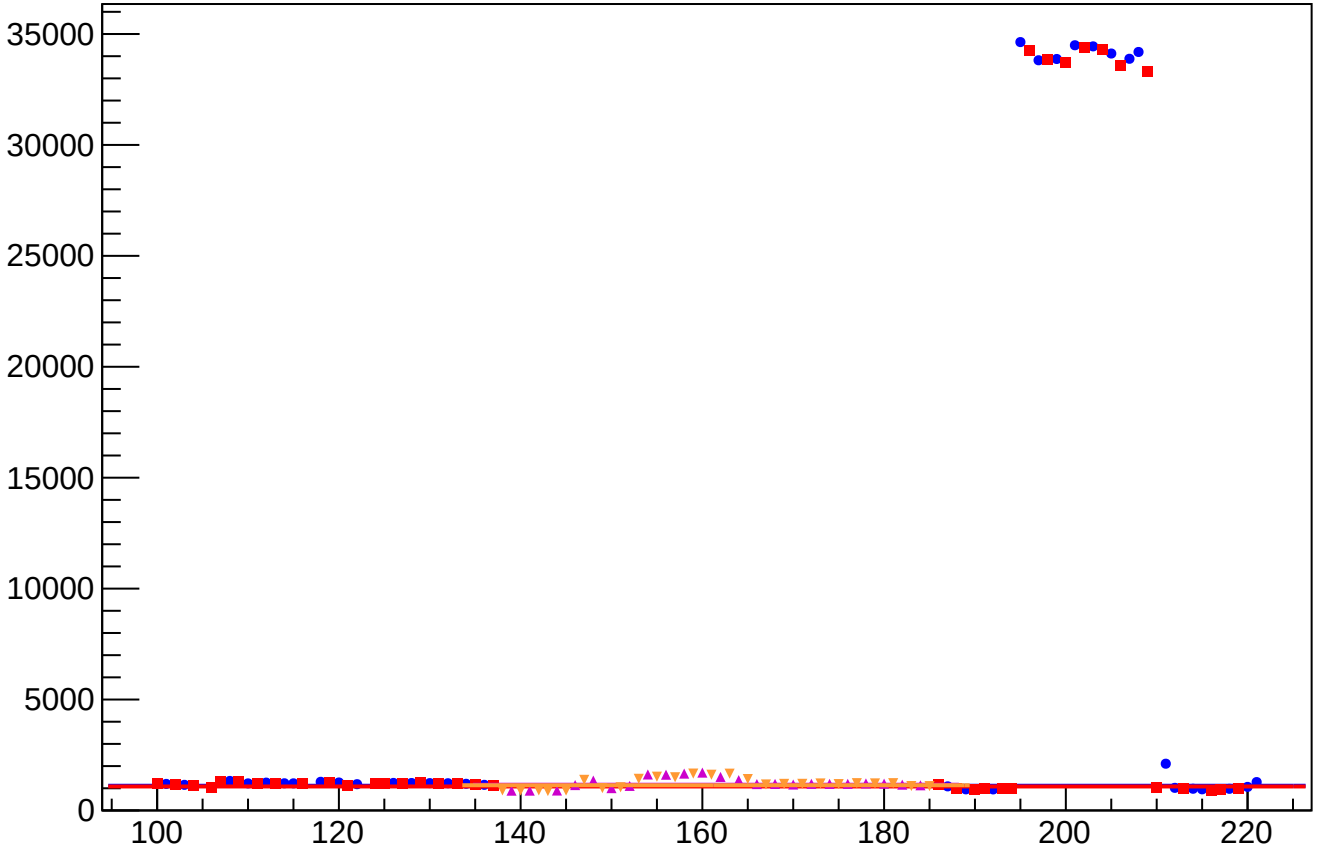
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

\+ sign 2.432+/-0.196 χ^2/NDF: 633.9/58

All: 2.147+/-0.138 χ^2/NDF: 2957.1/118

\- sign 1.862+/-0.196 χ^2/NDF: 2318.9/59

diff_bpm0l06Y_rms vs Slug



Right In: 1113.456+/-0.206 χ^2/NDF: 13264774.4/33

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1081.277+/-0.196 χ^2/NDF: 11834941.6/36

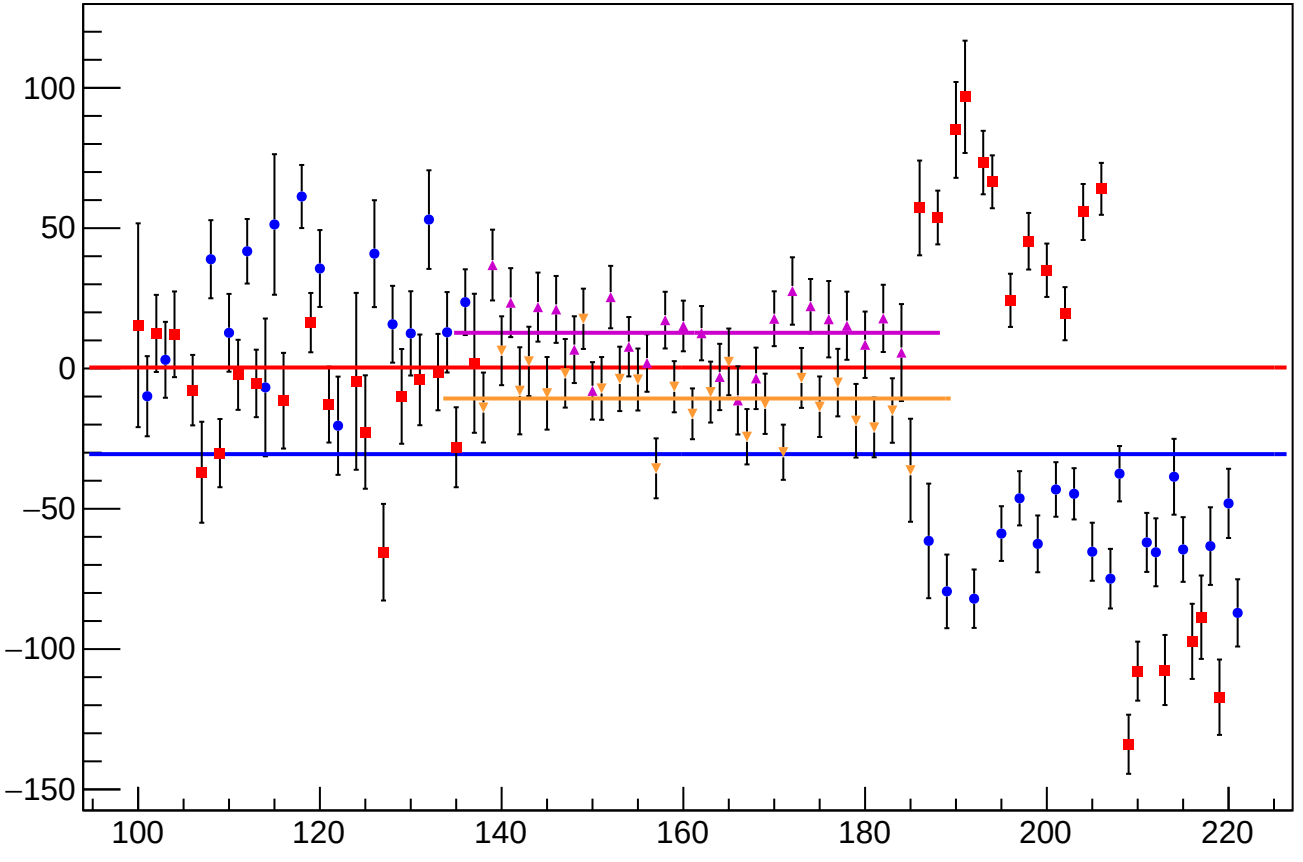
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1126.443+/-0.138 χ^2/NDF: 14741716.7/58

All: 1123.433+/-0.098 χ^2/NDF: 27917059.1/1

- sign 1120.422+/-0.138 χ^2/NDF: 13174396.7/59

diff_bpm0l07X_mean vs Slug



Right In: -30.526+/-2.117 χ^2/NDF: 422.5/33

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 0.350+/-2.093 χ^2/NDF: 848.5/36

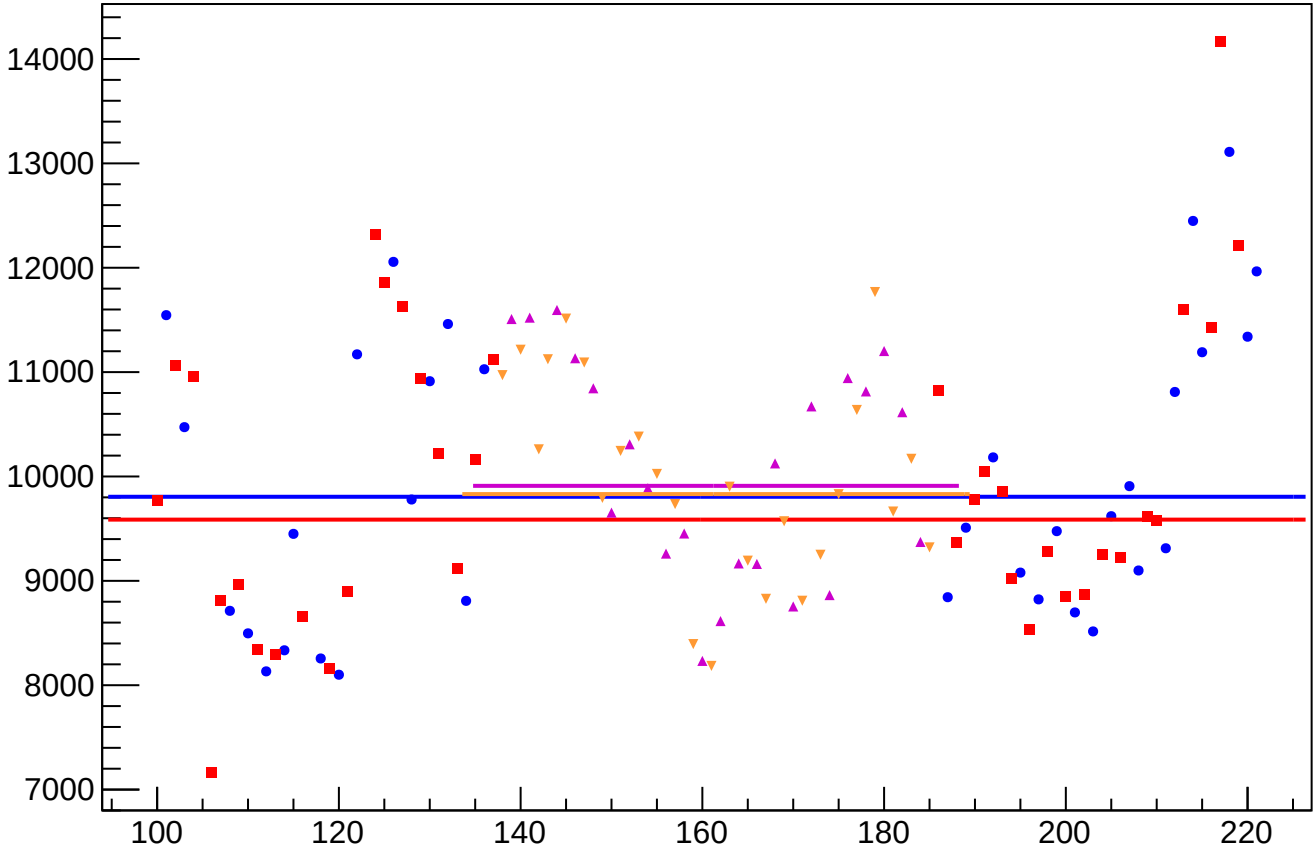
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -21.245+/-1.544 χ^2/NDF: 492.3/58

All: -7.840+/-1.098 χ^2/NDF: 1532.7/118

- sign 5.845+/-1.560 χ^2/NDF: 888.1/59

diff_bpm0l07X_rms vs Slug



Right In: 9805.633+/-1.497 χ^2/NDF: 736232.2/33

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9586.649+/-1.480 χ^2/NDF: 744140.5/36

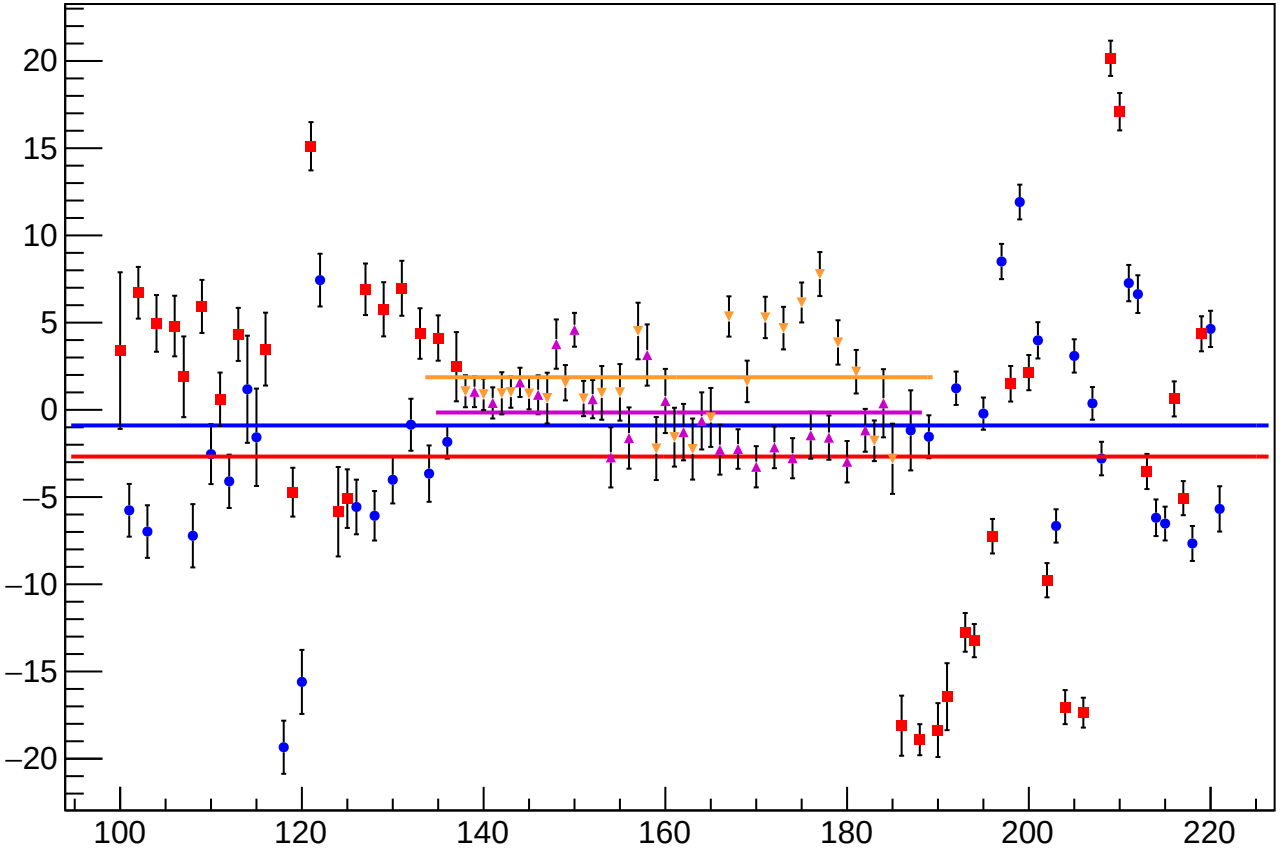
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9817.646+/-1.092 χ^2/NDF: 1092494.8/58

All: 9774.494+/-0.776 χ^2/NDF: 2250406.1/11

- sign 9730.440+/-1.103 χ^2/NDF: 1154755.1/59

diff_bpm0l07Y_mean vs Slug



Right In: -0.895+/-0.207 χ^2/NDF: 912.9/33

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -2.678+/-0.206 χ^2/NDF: 2805.2/36

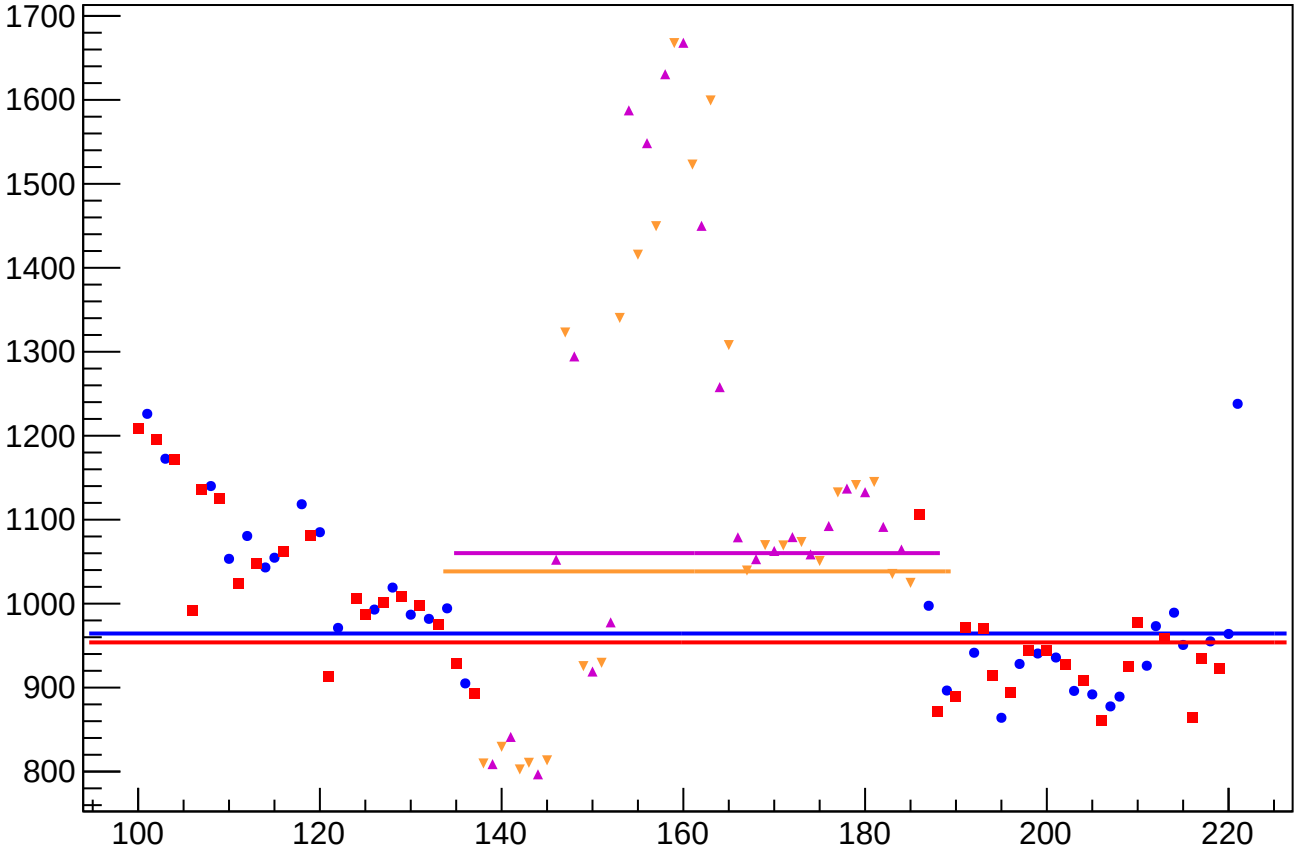
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.267+/-0.157 χ^2/NDF: 1091.3/58

All: -0.688+/-0.112 χ^2/NDF: 4106.6/118

- sign -1.677+/-0.160 χ^2/NDF: 2940.3/59

diff_bpm0l07Y_rms vs Slug



Right In: 964.432+/-0.146 χ^2/NDF: 360061.9/33

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 953.834+/-0.146 χ^2/NDF: 278903.7/36

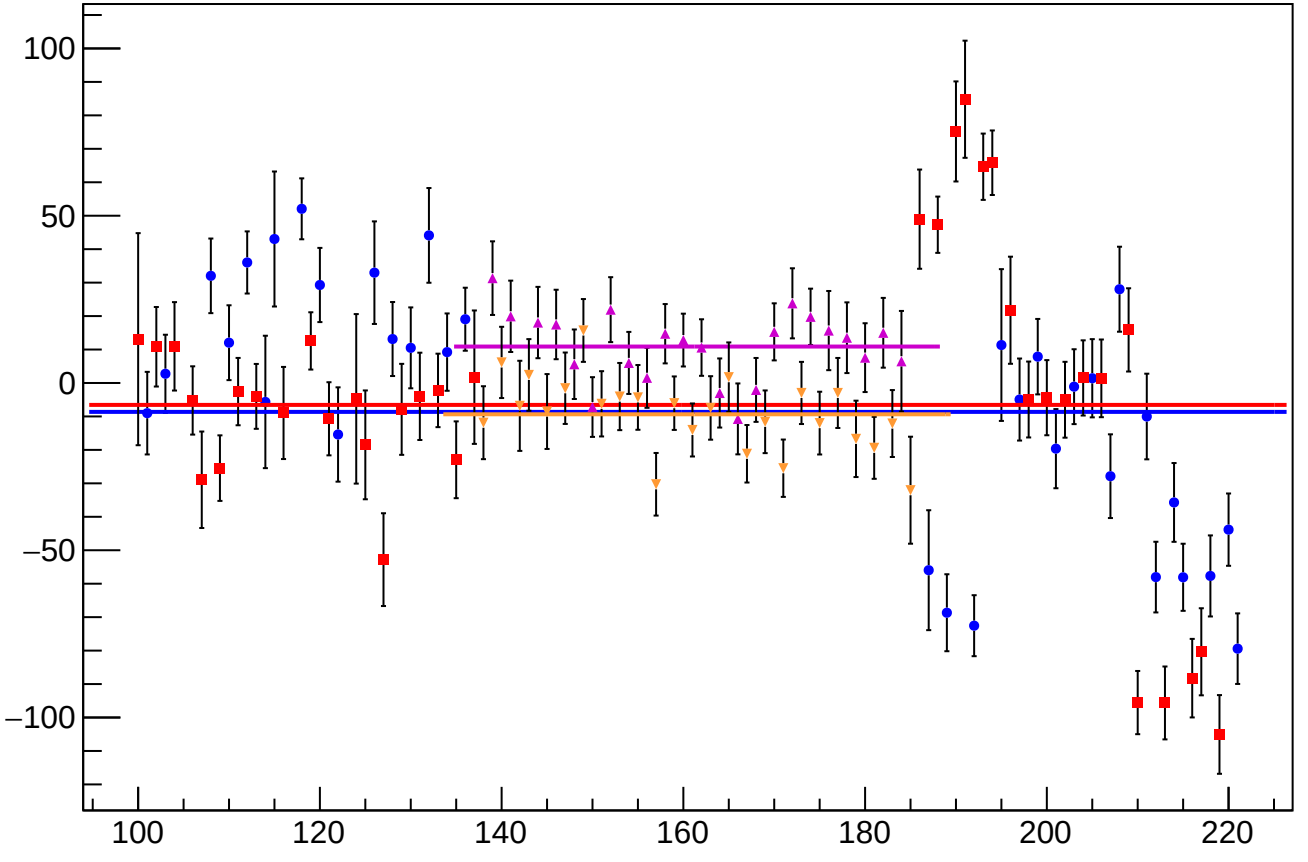
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 995.522+/-0.111 χ^2/NDF: 2174502.5/58

All: 995.734+/-0.079 χ^2/NDF: 4187471.4/118

- sign 995.954+/-0.113 χ^2/NDF: 2012961.5/59

diff_bpm0l08X_mean vs Slug



Right In: -8.639+/-2.018 χ^2/NDF: 365.0/33

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

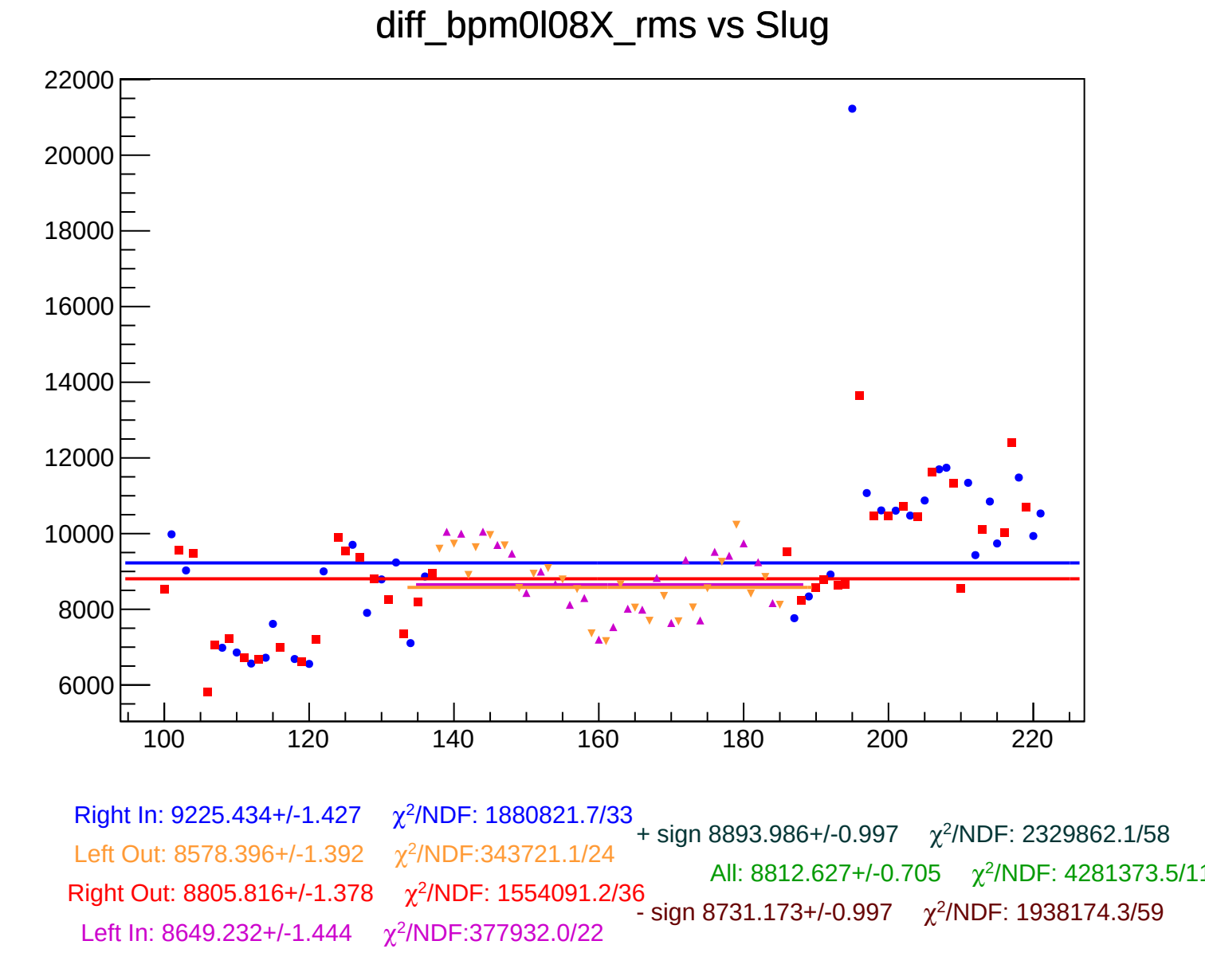
Right Out: -6.551+/-1.949 χ^2/NDF: 563.6/36

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

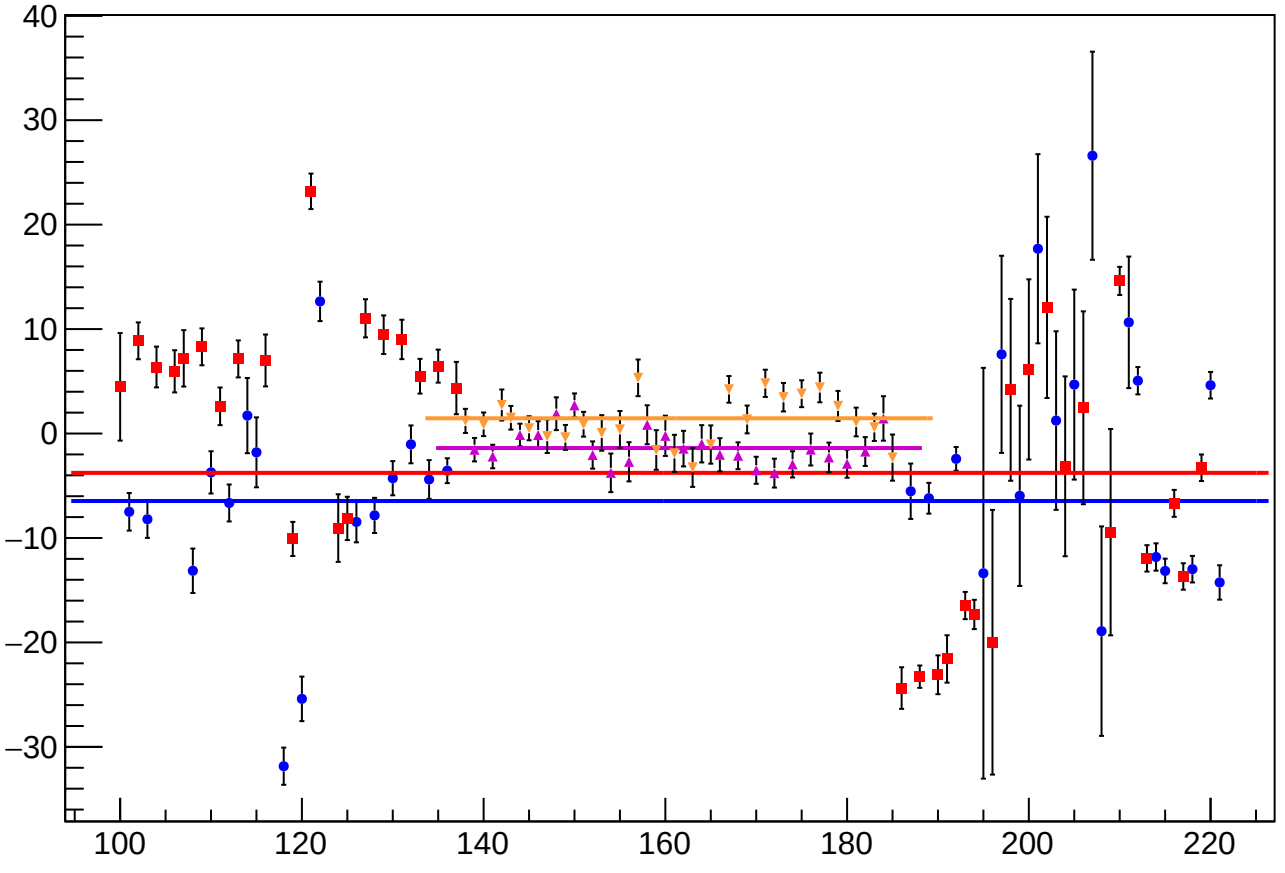
+ sign -9.006+/-1.409 χ^2/NDF: 393.6/58

All: -3.624+/-0.997 χ^2/NDF: 1048.2/118

- sign 1.764+/-1.410 χ^2/NDF: 625.4/59


diff_bpm0l08X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
220
Right In: 9225.434+/-1.427 χ²/NDF: 1880821.7/33
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 8805.816+/-1.378 χ²/NDF: 1554091.2/36
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
+ sign 8893.986+/-0.997 χ²/NDF: 2329862.1/58
All: 8812.627+/-0.705 χ²/NDF: 4281373.5/11
- sign 8731.173+/-0.997 χ²/NDF: 1938174.3/59

diff_bpm0l08Y_mean vs Slug



Right In: -6.460+/-0.322 χ^2/NDF: 720.5/33

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.764+/-0.305 χ^2/NDF: 1857.2/36

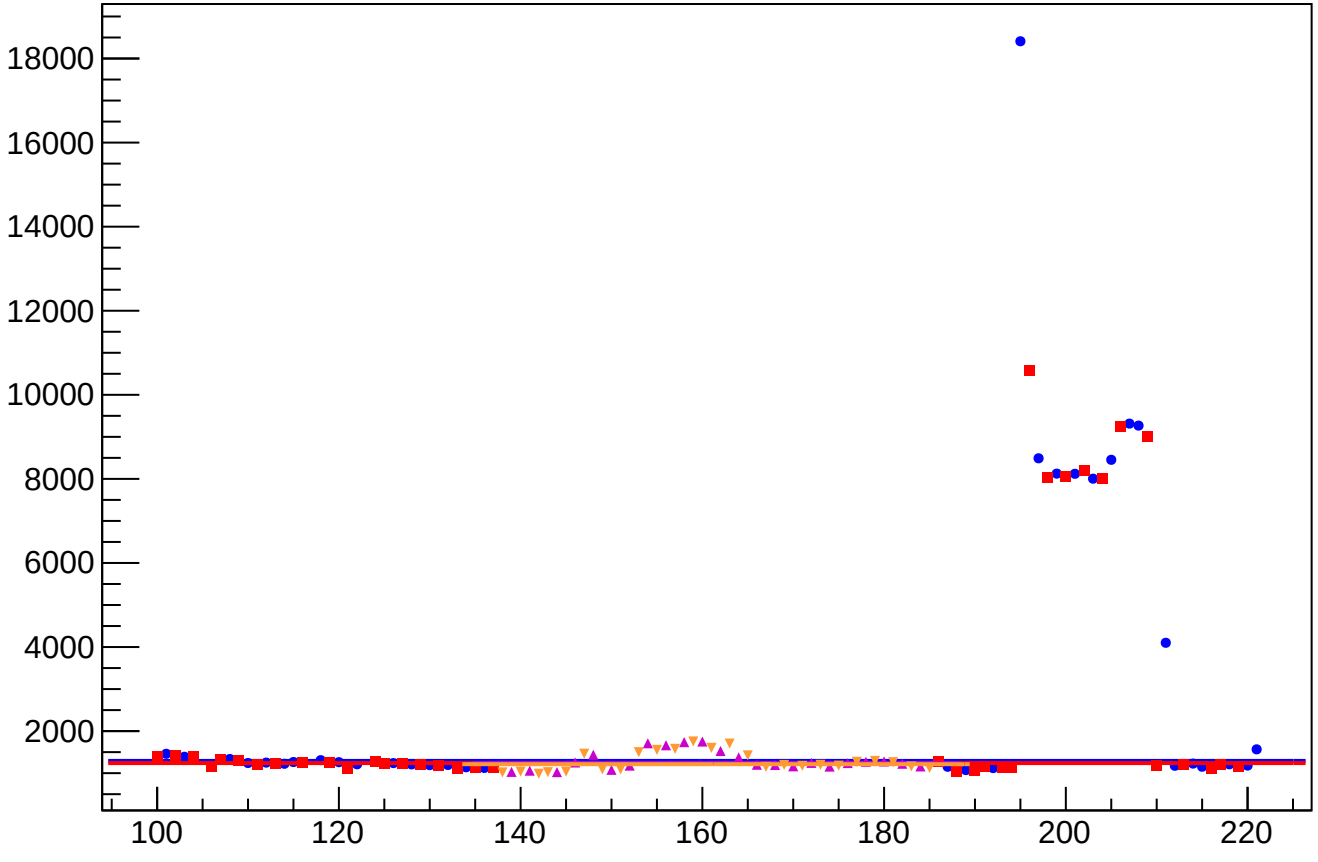
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.960+/-0.211 χ^2/NDF: 1115.9/58

All: -2.247+/-0.150 χ^2/NDF: 3043.7/118

- sign -2.535+/-0.212 χ^2/NDF: 1924.1/59

diff_bpm0l08Y_rms vs Slug



Right In: 1291.335+/-0.227 χ^2/NDF: 10833158.2/33

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1239.714+/-0.215 χ^2/NDF: 9039804.1/36

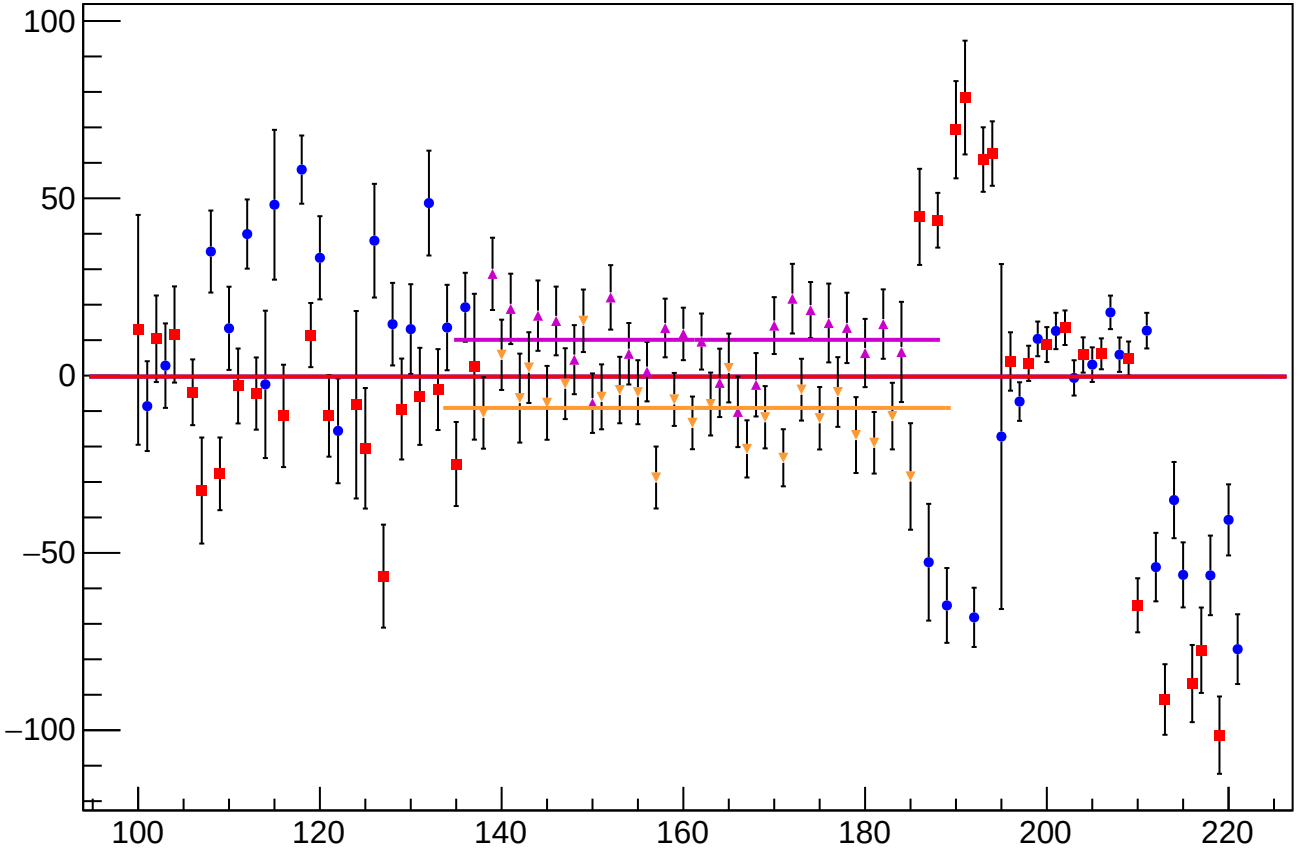
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1246.982+/-0.150 χ^2/NDF: 11912826.4/58

All: 1243.213+/-0.106 χ^2/NDF: 21839503.0/1

- sign 1239.435+/-0.150 χ^2/NDF: 9925404.0/59

diff_bpm0l09X_mean vs Slug



Right In: -0.271+/-1.393 χ^2/NDF: 435.0/33

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -0.272+/-1.413 χ^2/NDF: 588.1/36

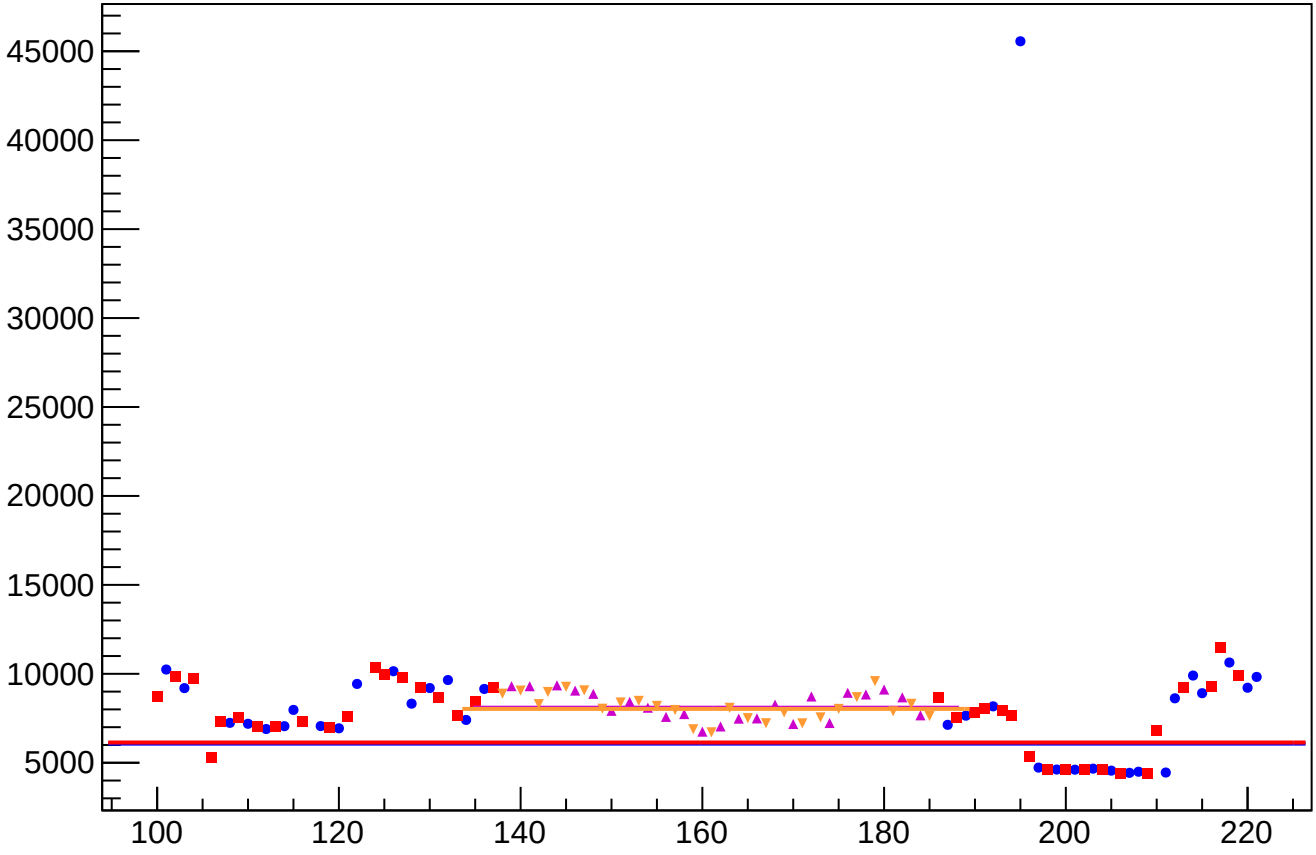
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -3.488+/-1.111 χ^2/NDF: 478.4/58

All: -0.124+/-0.794 χ^2/NDF: 1128.5/118

- sign 3.391+/-1.136 χ^2/NDF: 631.4/59

diff_bpm0l09X_rms vs Slug



Right In: 6075.123+/-0.985 χ^2/NDF: 5606152.6/33

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6138.822+/-0.999 χ^2/NDF: 3816645.5/36

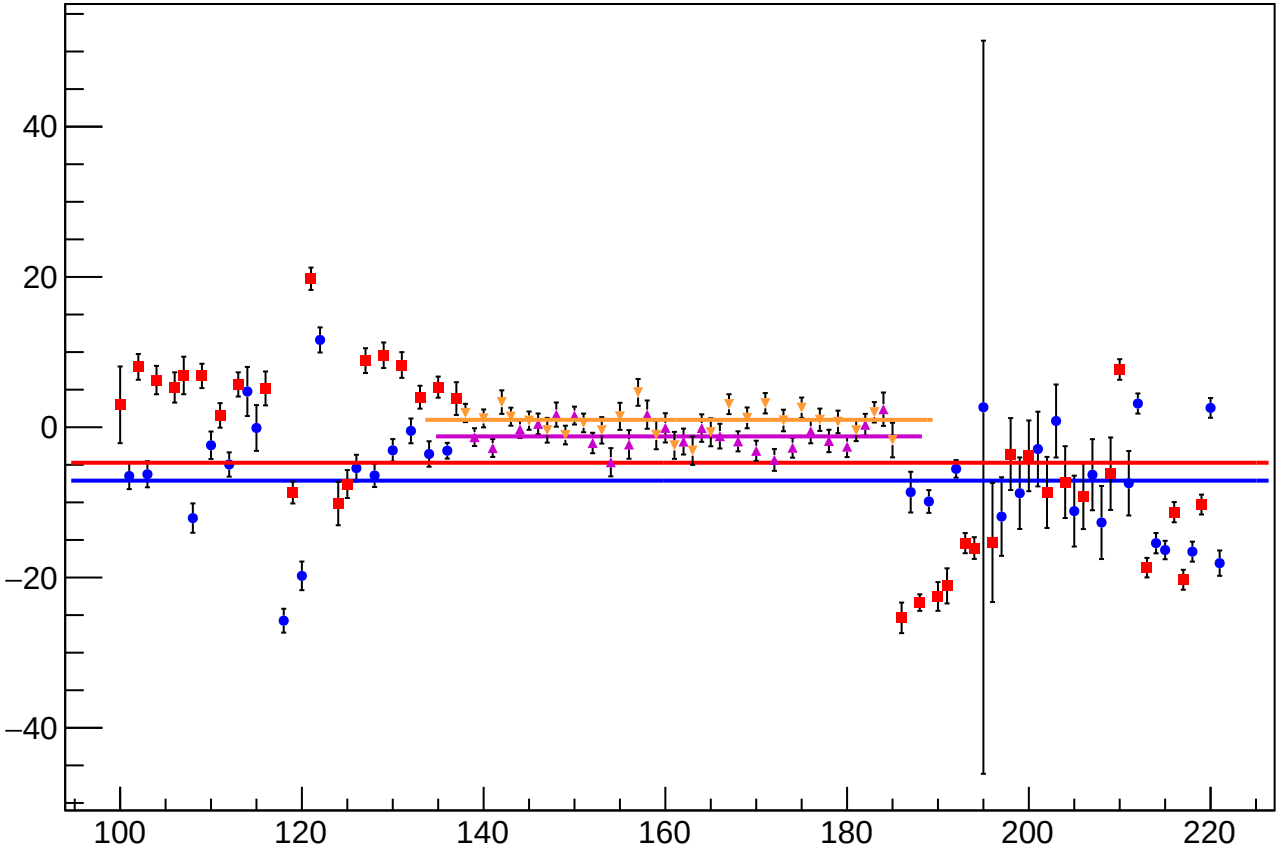
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6785.624+/-0.786 χ^2/NDF: 7368145.3/58

All: 6807.373+/-0.562 χ^2/NDF: 12909177.1/1

- sign 6830.102+/-0.803 χ^2/NDF: 5539465.3/59

diff_bpm0l09Y_mean vs Slug



Right In: -7.108+/-0.308 χ^2/NDF: 696.7/33

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -4.724+/-0.294 χ^2/NDF: 1875.9/36

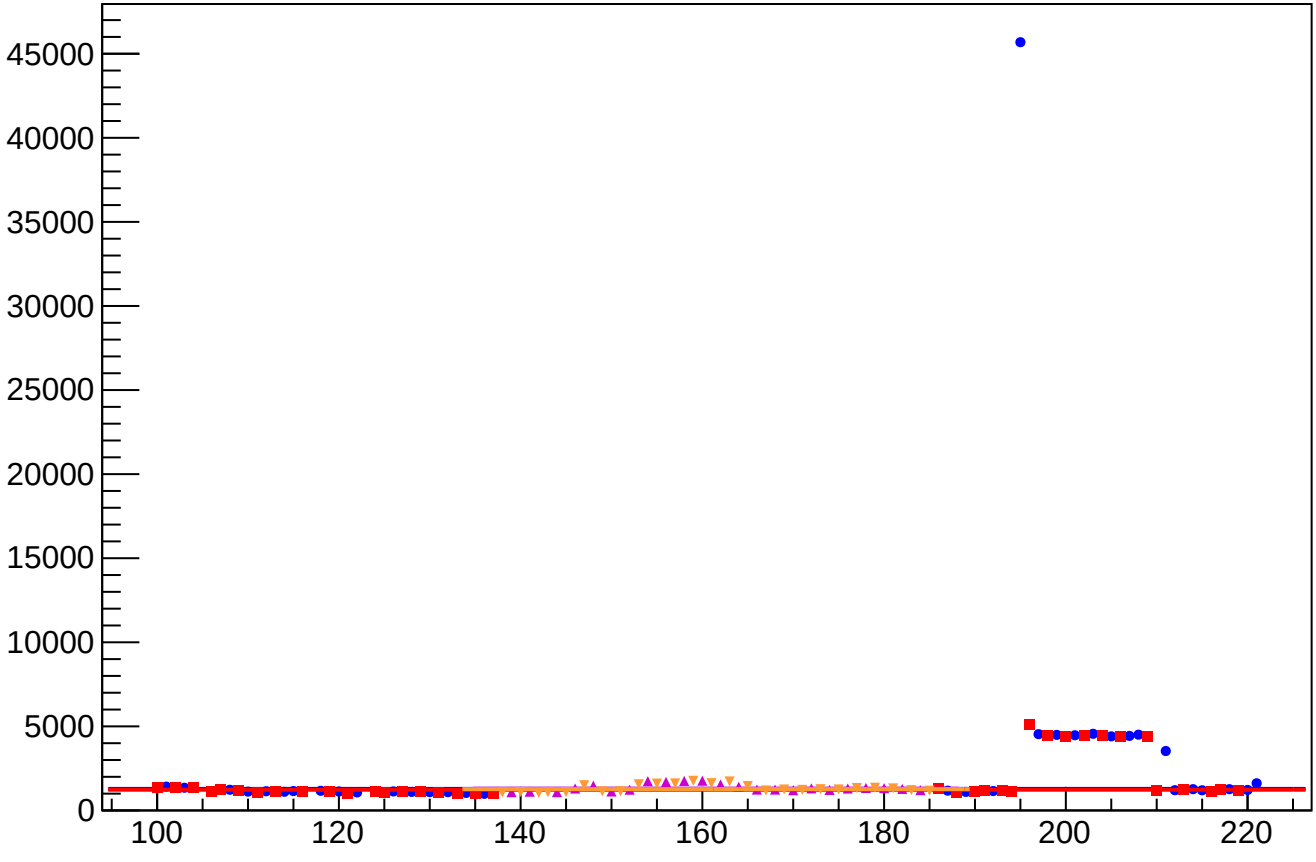
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -2.853+/-0.212 χ^2/NDF: 1091.5/58

All: -2.950+/-0.150 χ^2/NDF: 3069.1/118

- sign -3.047+/-0.212 χ^2/NDF: 1977.2/59

diff_bpm0l09Y_rms vs Slug



Right In: 1281.547+/-0.218 χ^2/NDF: 8838464.8/33

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1231.875+/-0.208 χ^2/NDF: 6411409.4/36

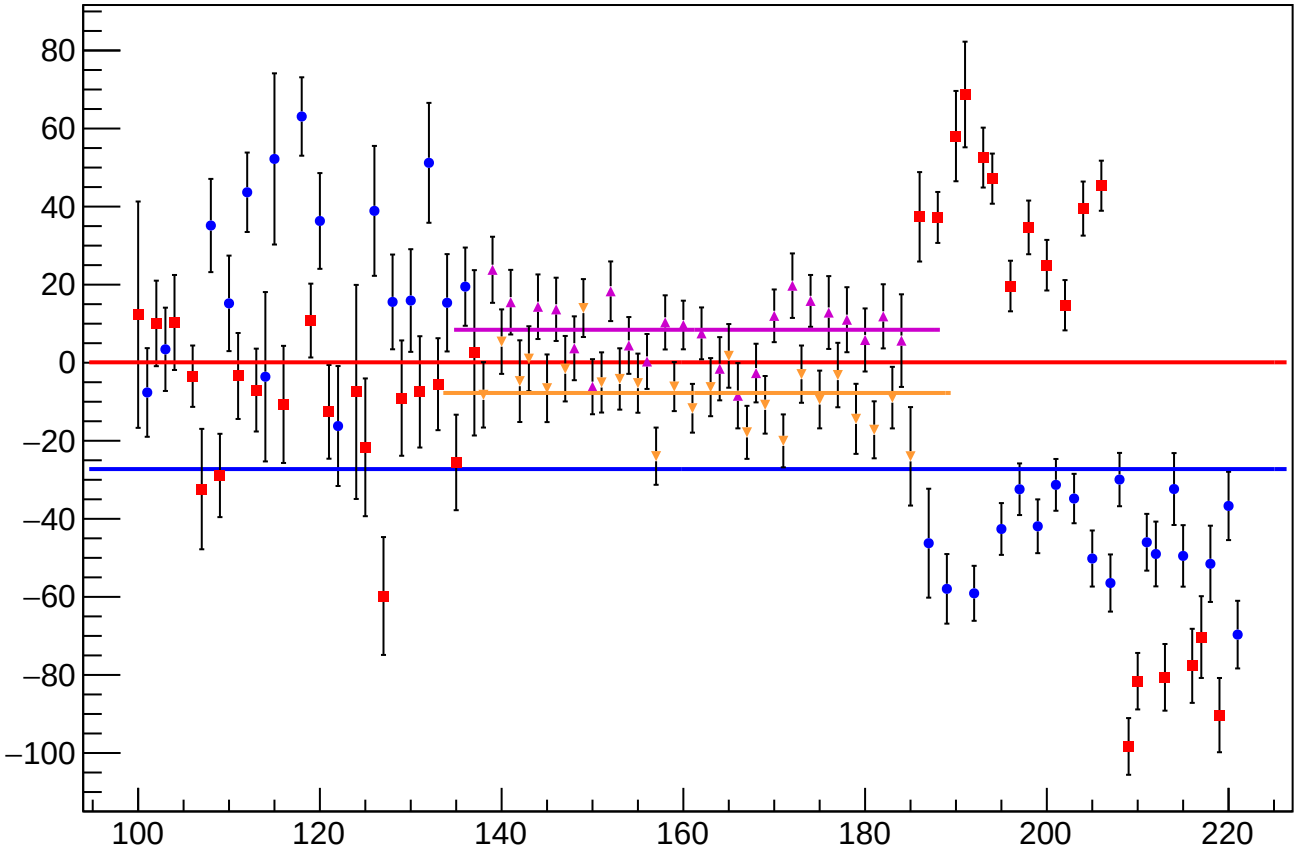
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1274.115+/-0.150 χ^2/NDF: 9719116.9/58

All: 1267.874+/-0.106 χ^2/NDF: 16935137.5/1

- sign 1261.628+/-0.150 χ^2/NDF: 7212551.3/59

diff_bpm0l10X_mean vs Slug



Right In: -27.254+/-1.559 χ^2/NDF: 446.0/33

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 0.100+/-1.532 χ^2/NDF: 973.1/36

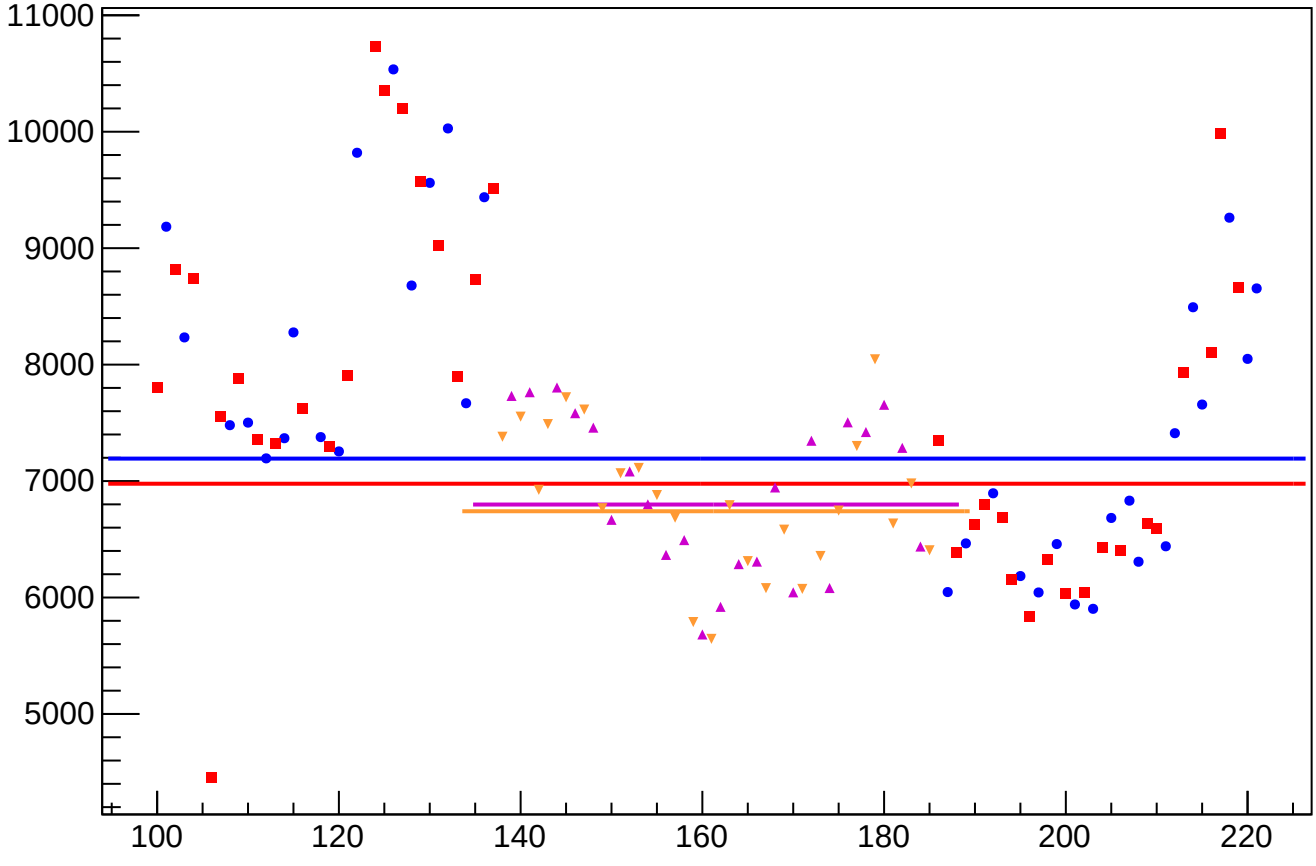
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -17.425+/-1.098 χ^2/NDF: 555.3/58

All: -6.774+/-0.780 χ^2/NDF: 1757.3/118

- sign 4.077+/-1.108 χ^2/NDF: 1012.1/59

diff_bpm0l10X_rms vs Slug



Right In: 7193.017+/-1.102 χ^2/NDF: 1091825.7/33

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6977.189+/-1.084 χ^2/NDF: 1271884.8/36

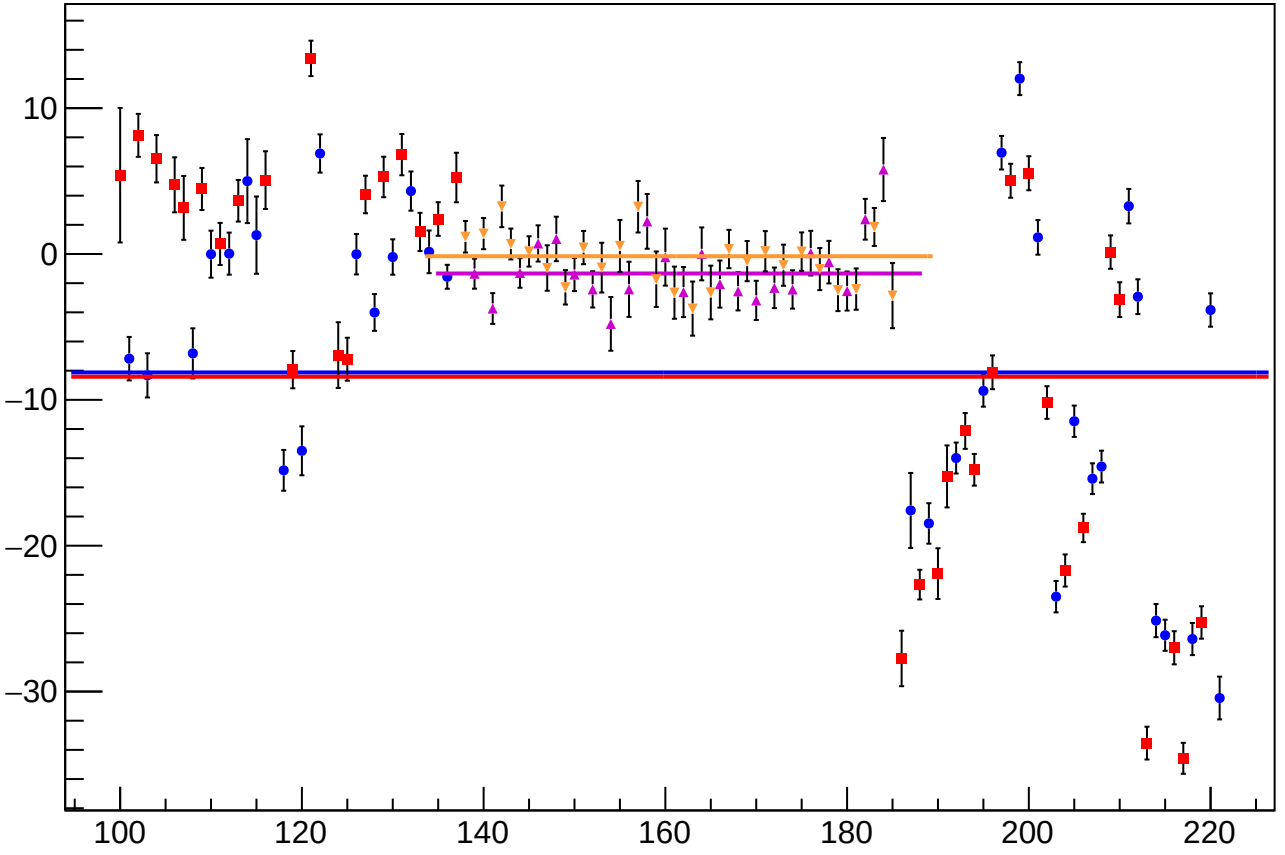
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6965.127+/-0.776 χ^2/NDF: 1493333.5/58

All: 6928.888+/-0.552 χ^2/NDF: 3135862.3/11

- sign 6891.969+/-0.784 χ^2/NDF: 1638130.5/59

diff_bpm0l10Y_mean vs Slug



Right In: -8.121+/-0.216 χ^2/NDF: 2617.1/33

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -8.414+/-0.217 χ^2/NDF: 4006.0/36

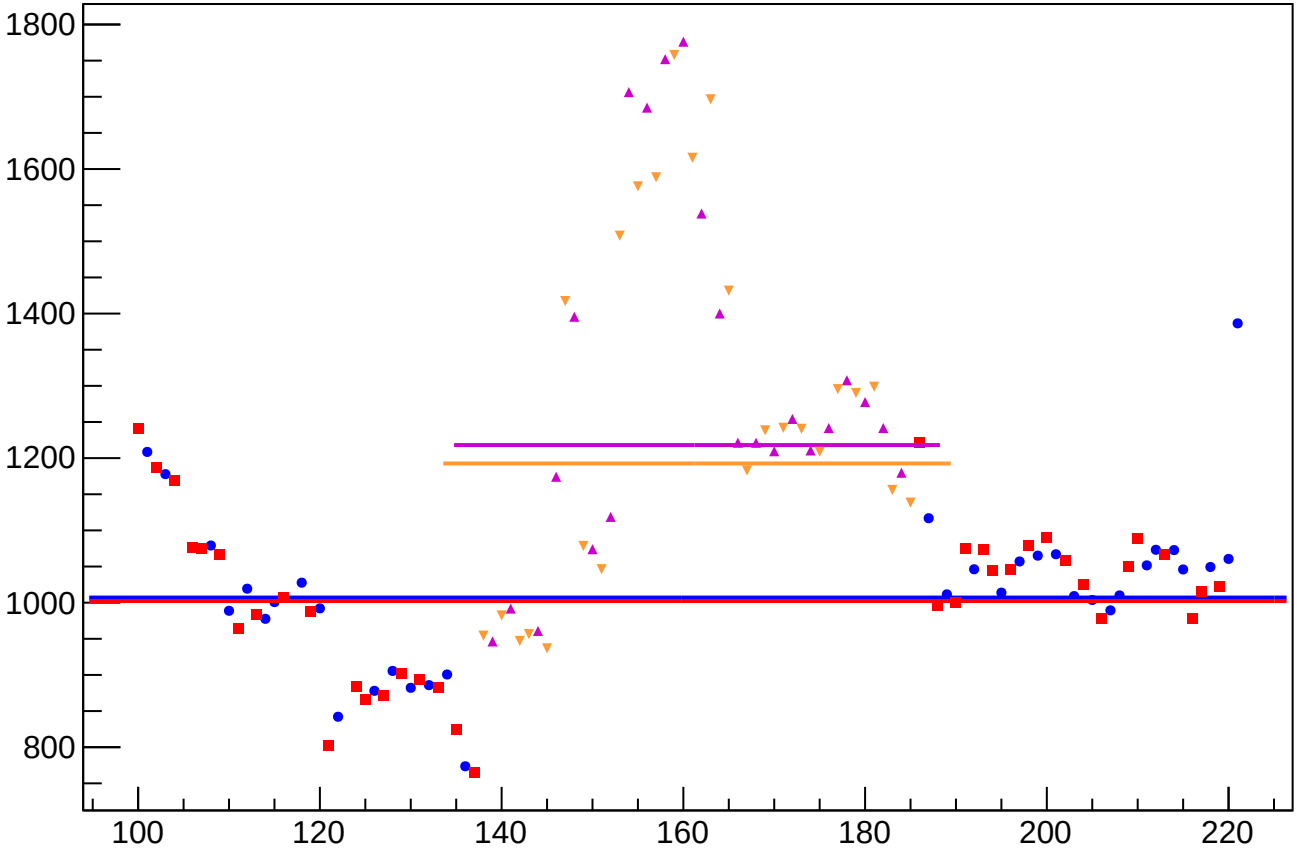
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -5.101+/-0.170 χ^2/NDF: 3168.2/58

All: -5.481+/-0.122 χ^2/NDF: 7610.0/118

- sign -5.877+/-0.174 χ^2/NDF: 4431.6/59

diff_bpm0l10Y_rms vs Slug



Right In: 1007.052+/-0.153 χ^2/NDF: 520018.5/33

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1002.296+/-0.153 χ^2/NDF: 384142.2/36

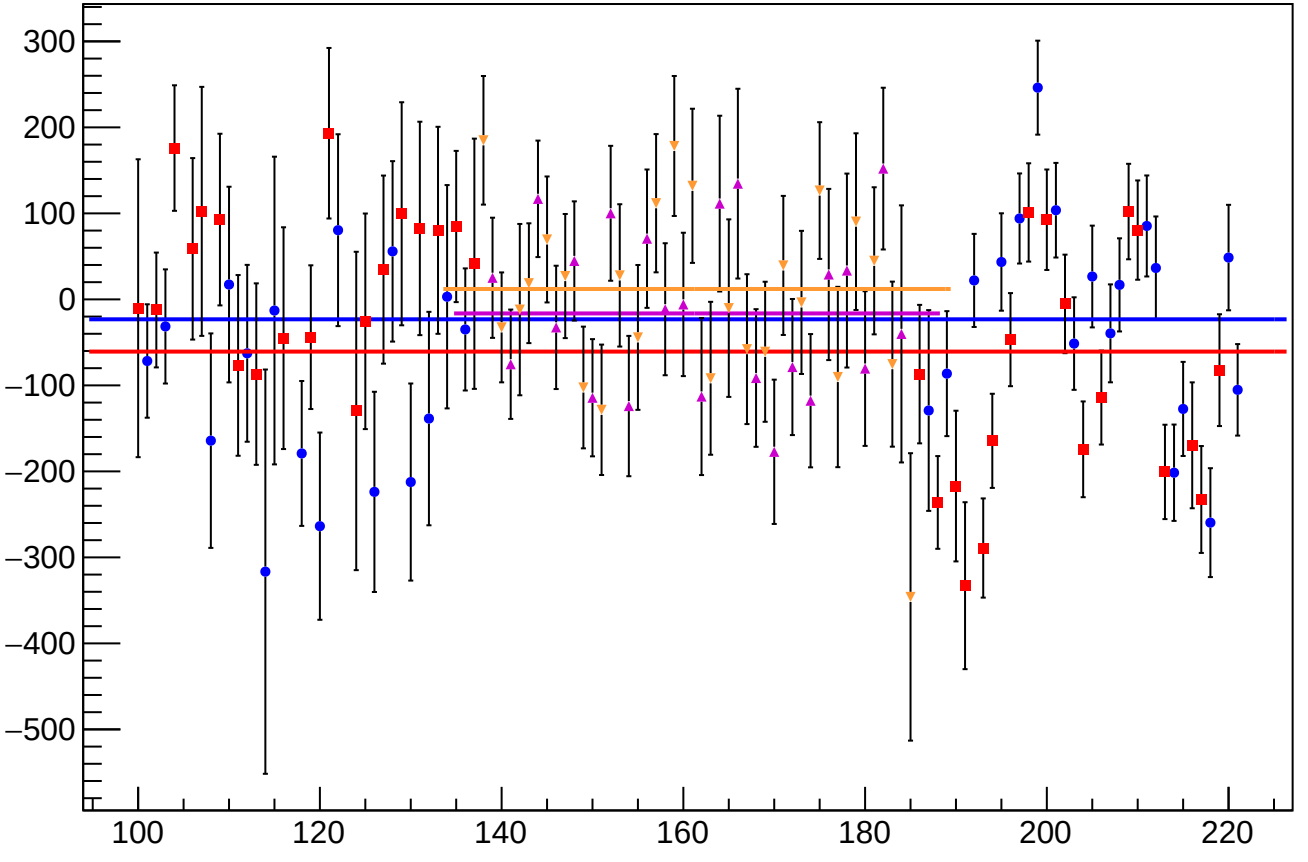
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1077.369+/-0.120 χ^2/NDF: 2398532.4/58

All: 1078.475+/-0.086 χ^2/NDF: 4620292.0/11

- sign 1079.625+/-0.123 χ^2/NDF: 2221587.7/59

diff_bpm0r03X_mean vs Slug



Right In: -23.174+/-12.014 χ^2/NDF: 95.8/33

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -60.714+/-12.284 χ^2/NDF: 124.3/36

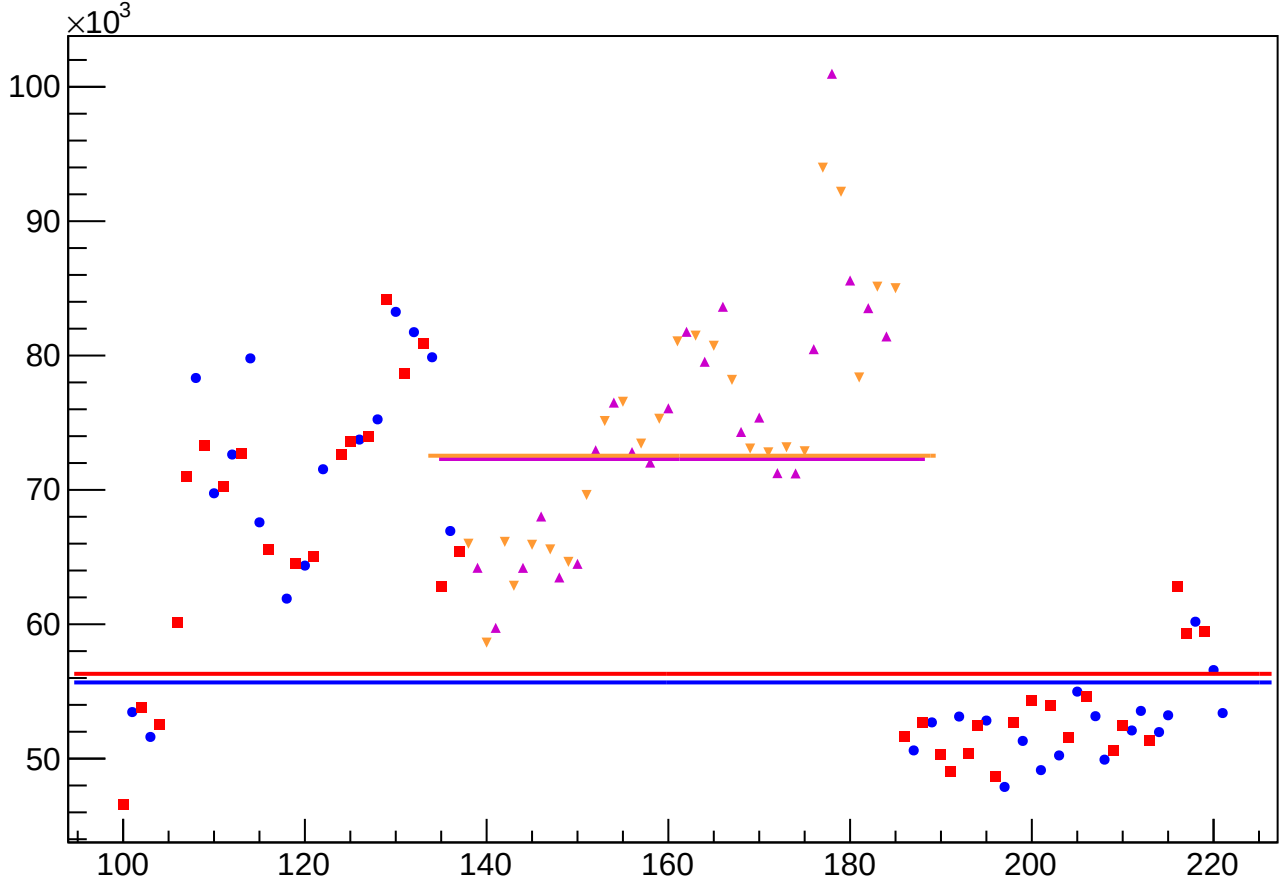
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -11.064+/-9.734 χ^2/NDF: 131.6/58

All: -27.892+/-6.962 χ^2/NDF: 295.2/118

- sign -45.512+/-9.960 χ^2/NDF: 157.5/59

diff_bpm0r03X_rms vs Slug



Right In: 55669.640+/-8.495 χ^2/NDF: 882392.4/33

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56310.453+/-8.686 χ^2/NDF: 798144.1/36

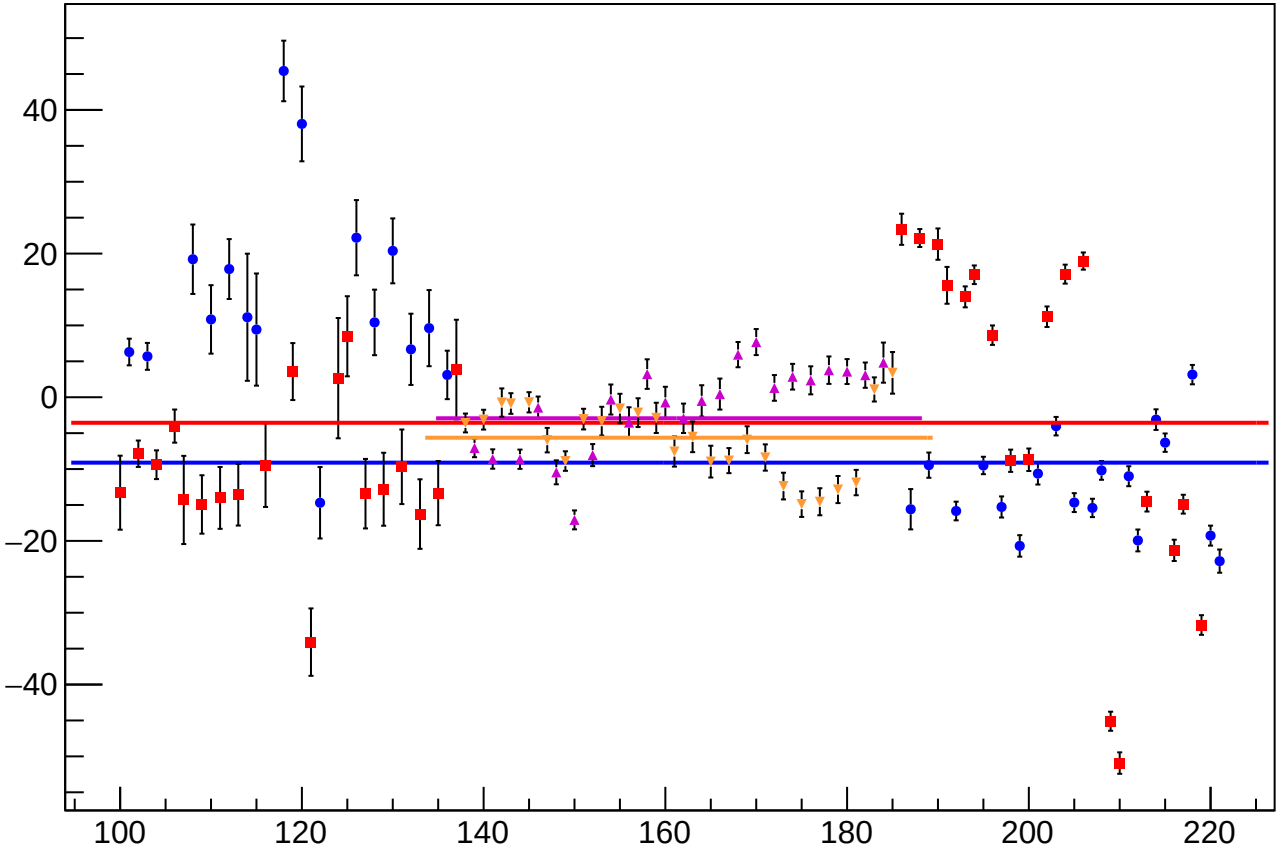
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 61466.254+/-6.883 χ^2/NDF: 2737957.8/58

All: 61623.546+/-4.923 χ^2/NDF: 5186803.0/1

- sign 61788.247+/-7.043 χ^2/NDF: 2447776.1/59

diff_bpm0r03Y_mean vs Slug



Right In: -9.106+/-0.314 χ^2/NDF: 1070.6/33

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -3.553+/-0.318 χ^2/NDF: 4776.5/36

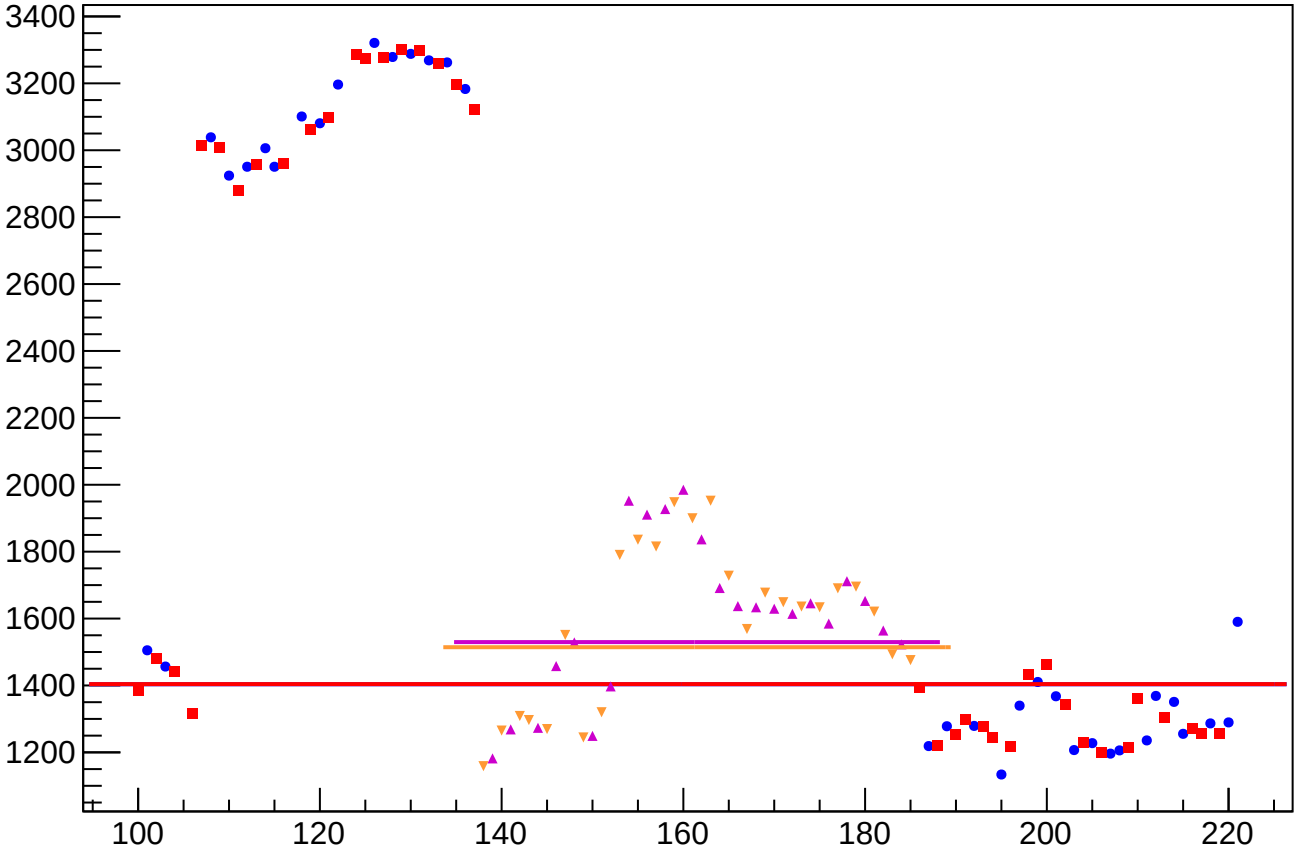
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -7.552+/-0.234 χ^2/NDF: 1303.3/58

All: -5.465+/-0.167 χ^2/NDF: 6582.4/118

- sign -3.282+/-0.239 χ^2/NDF: 5115.6/59

diff_bpm0r03Y_rms vs Slug



Right In: 1403.532+/-0.222 χ^2/NDF: 4127657.1/33

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1404.020+/-0.225 χ^2/NDF: 3971998.8/36

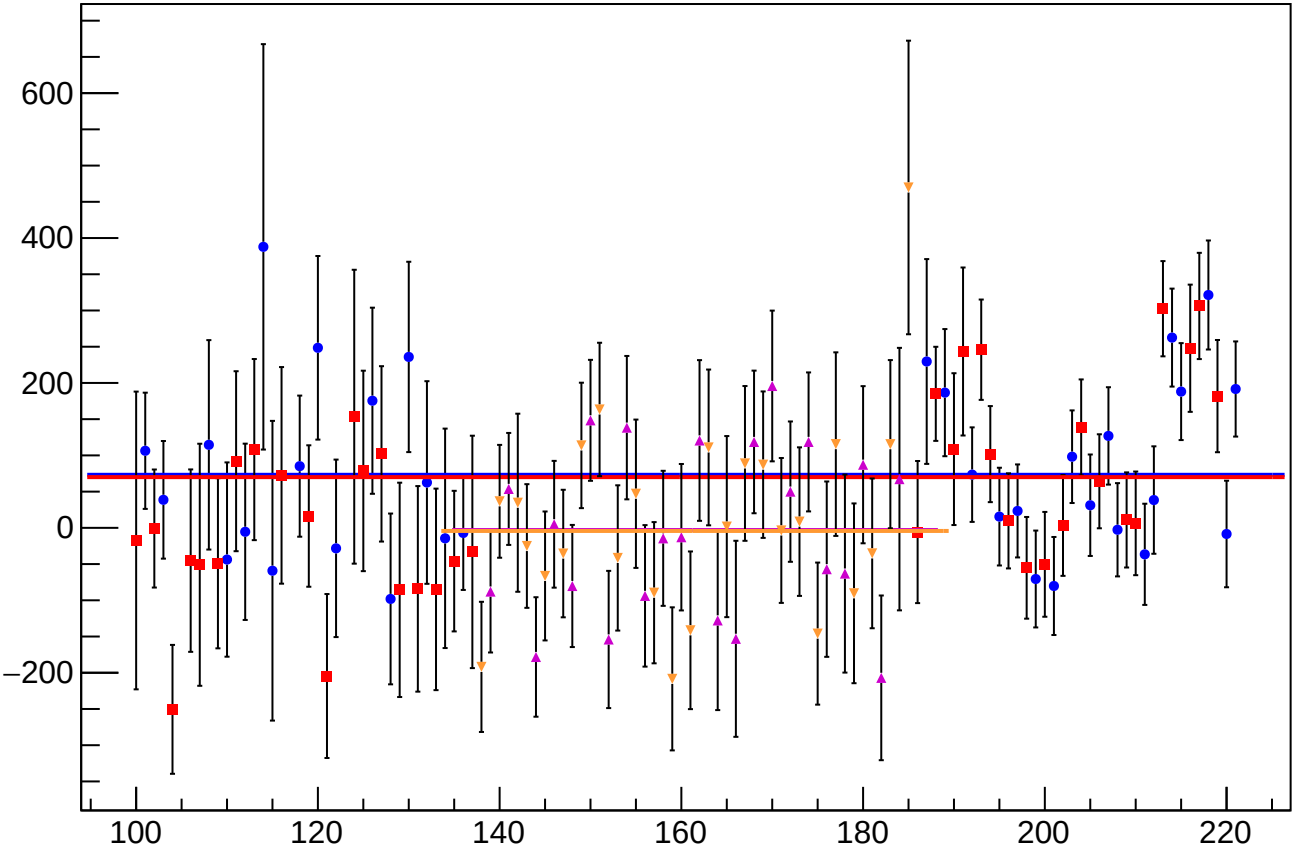
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1453.147+/-0.165 χ^2/NDF: 5172291.3/58

All: 1455.824+/-0.118 χ^2/NDF: 10109241.8/1

- sign 1458.624+/-0.169 χ^2/NDF: 4936413.0/59

diff_bpm0r05X_mean vs Slug



Right In: 73.216+/-14.360 χ^2/NDF: 57.0/33

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

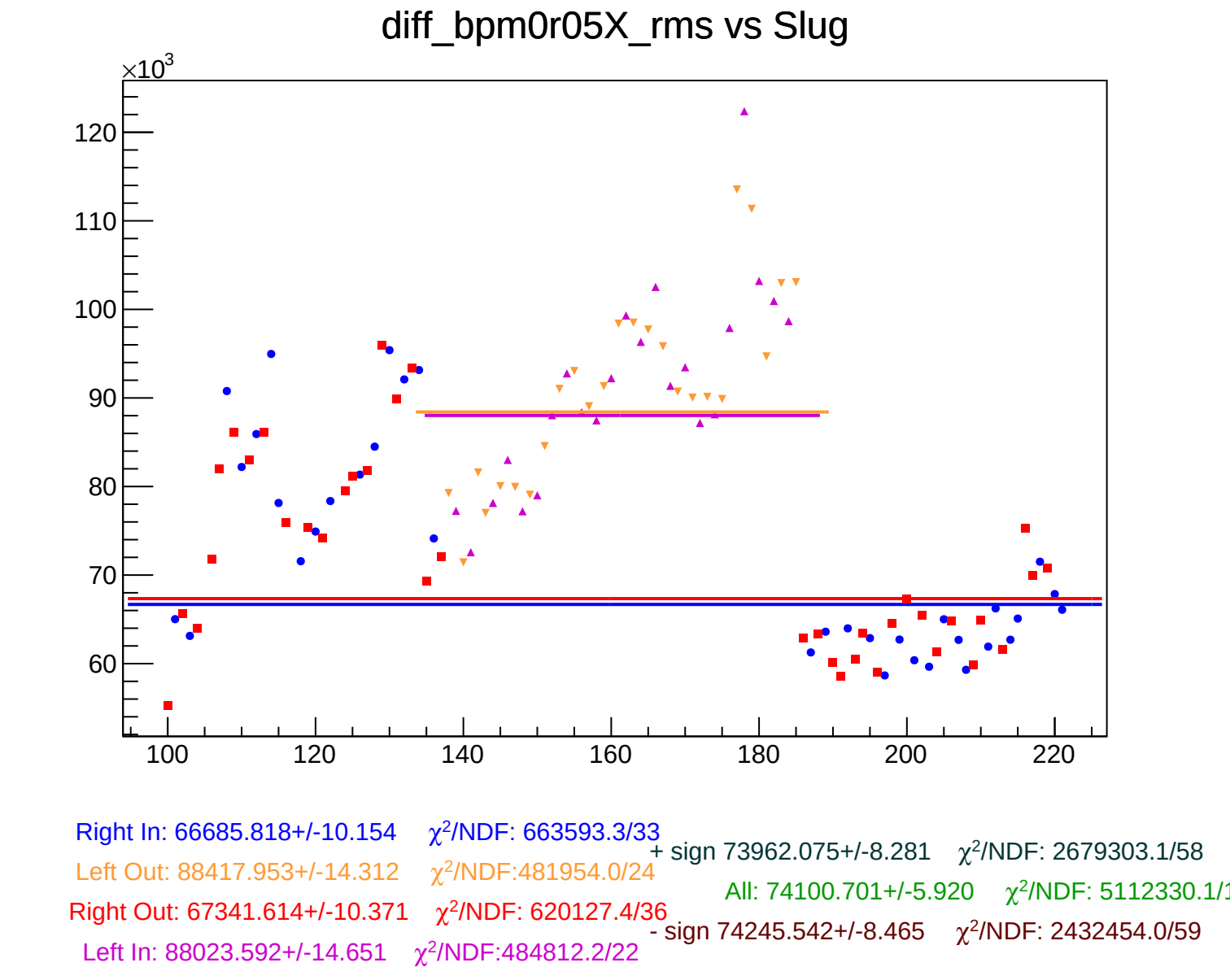
Right Out: 70.006+/-14.667 χ^2/NDF: 80.5/36

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

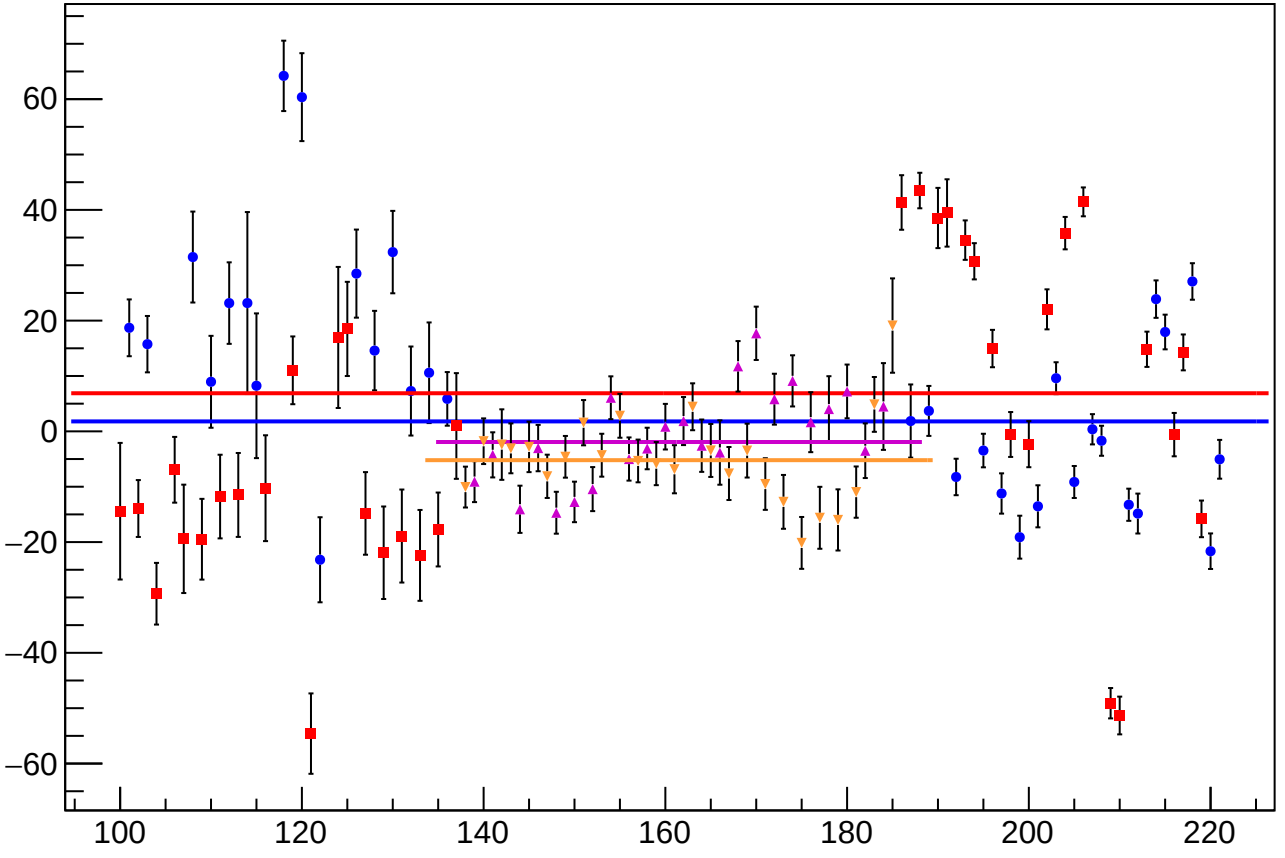
+ sign 47.271+/-11.712 χ^2/NDF: 97.2/58

All: 46.469+/-8.372 χ^2/NDF: 216.7/118

- sign 45.630+/-11.971 χ^2/NDF: 119.5/59


diff_bpm0r05X_rms vs Slug
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
220
Right In: 66685.818+/-10.154 χ²/NDF: 663593.3/33
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67341.614+/-10.371 χ²/NDF: 620127.4/36
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
+ sign 73962.075+/-8.281 χ²/NDF: 2679303.1/58
All: 74100.701+/-5.920 χ²/NDF: 5112330.1/1
- sign 74245.542+/-8.465 χ²/NDF: 2432454.0/59

diff_bpm0r05Y_mean vs Slug



Right In: 1.796+/-0.713 χ^2/NDF: 564.9/33

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 6.882+/-0.740 χ^2/NDF: 1664.0/36

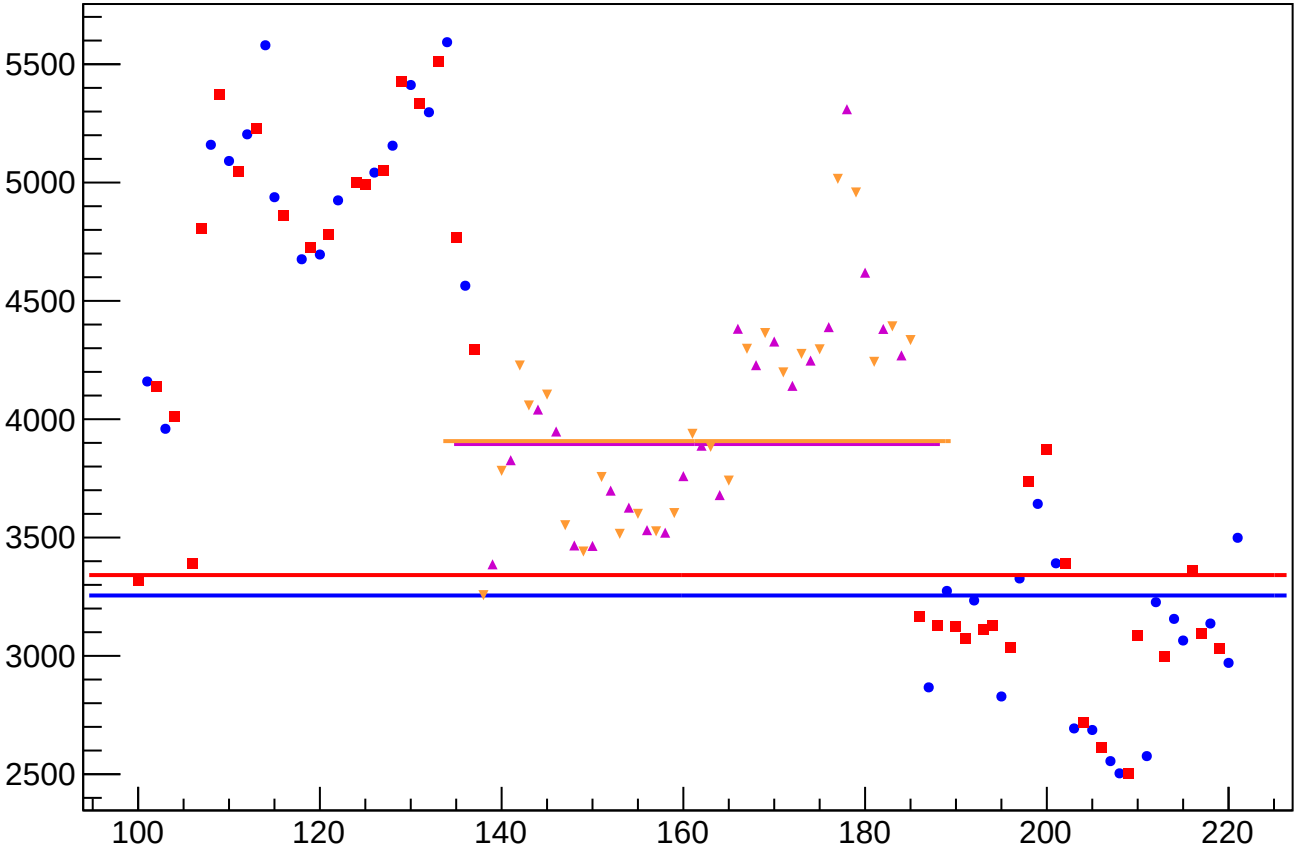
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.929+/-0.558 χ^2/NDF: 653.3/58

All: 1.171+/-0.400 χ^2/NDF: 2485.8/118

- sign 3.408+/-0.576 χ^2/NDF: 1803.1/59

diff_bpm0r05Y_rms vs Slug



Right In: 3255.170+/-0.504 χ^2/NDF: 2250512.5/33

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3341.408+/-0.523 χ^2/NDF: 2036514.1/36

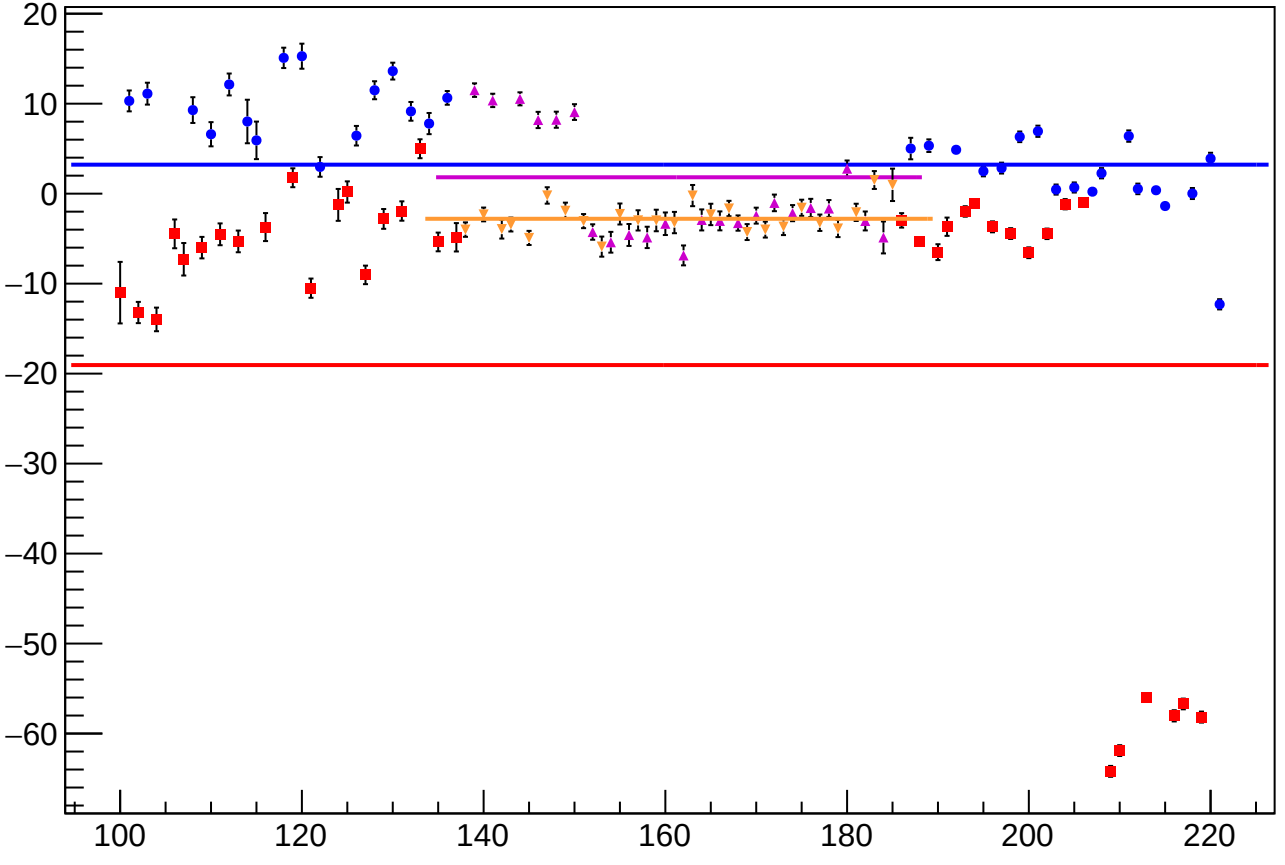
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3508.992+/-0.394 χ^2/NDF: 3342367.4/58

All: 3533.616+/-0.283 χ^2/NDF: 6239065.7/11

- sign 3559.850+/-0.407 χ^2/NDF: 2888641.8/59

diff_bpm2i01X_mean vs Slug



Right In: 3.221+/-0.126 χ^2/NDF: 1771.1/33

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -19.050+/-0.128 χ^2/NDF: 38134.9/36

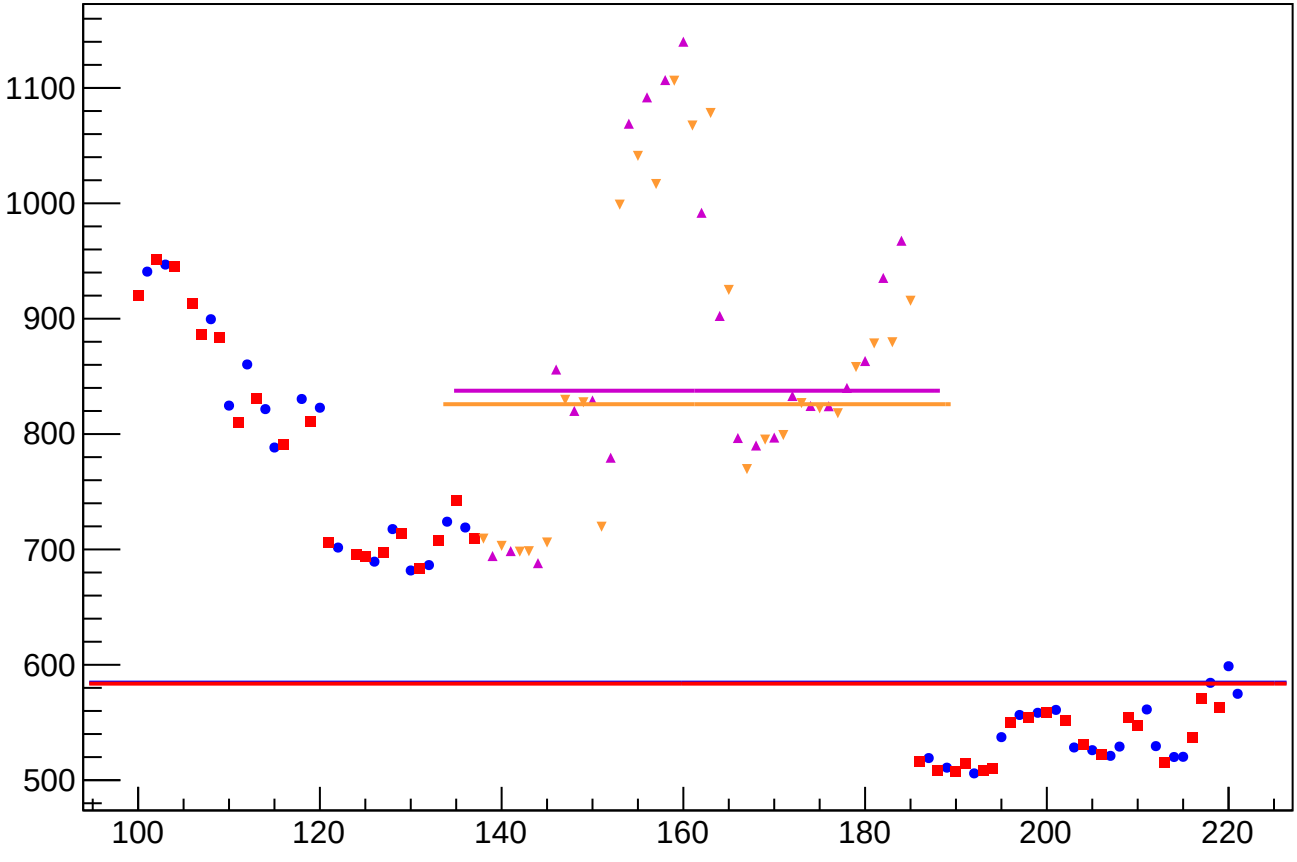
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.380+/-0.105 χ^2/NDF: 2534.1/58

All: -5.621+/-0.075 χ^2/NDF: 58584.1/118

- sign -12.922+/-0.107 χ^2/NDF: 46995.3/59

diff_bpm2i01X_rms vs Slug



Right In: 584.557+/-0.089 χ^2/NDF: 1293390.2/33

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 583.691+/-0.090 χ^2/NDF: 1400539.1/36

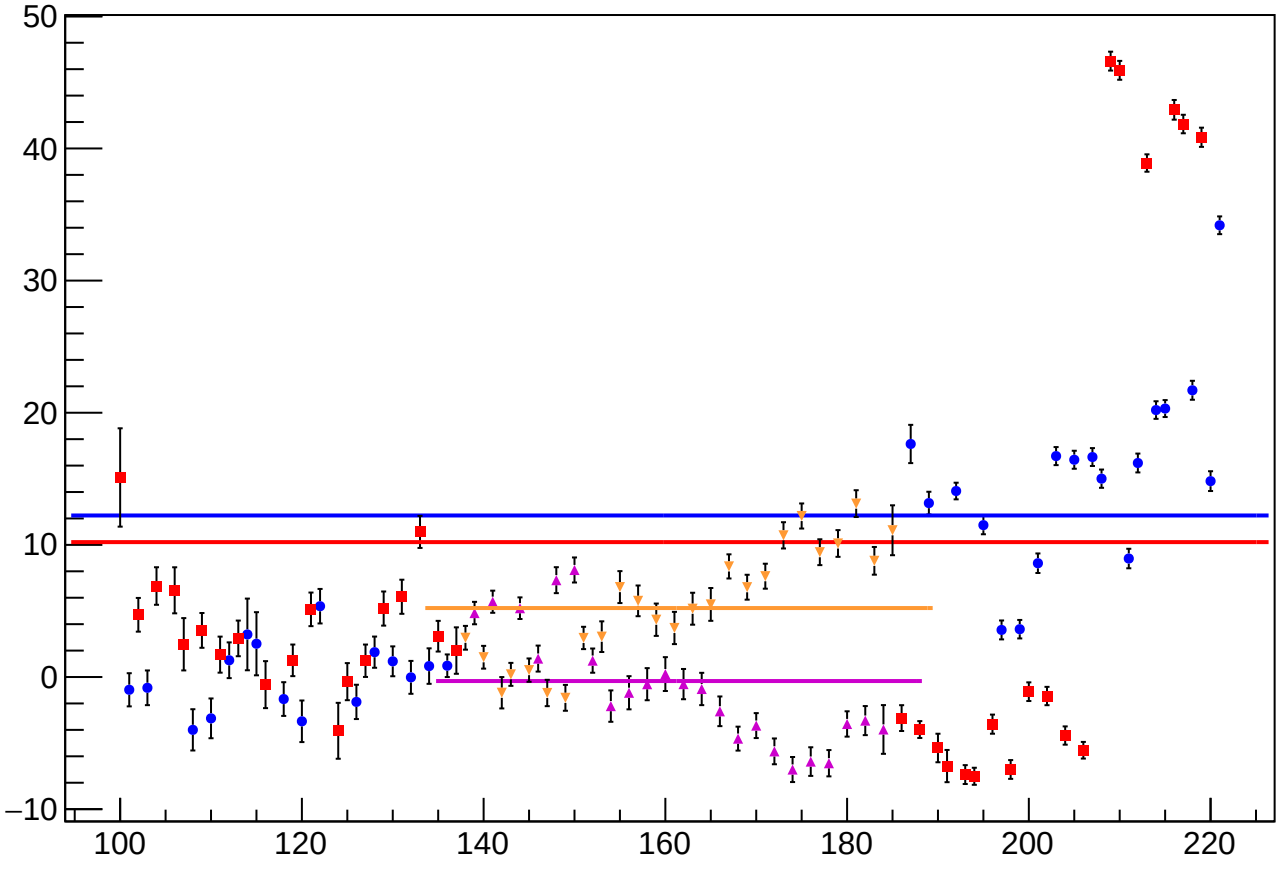
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 658.432+/-0.074 χ^2/NDF: 4295564.1/58

All: 658.339+/-0.053 χ^2/NDF: 8728928.2/118

- sign 658.241+/-0.076 χ^2/NDF: 4433360.9/59

diff_bpm2i01Y_mean vs Slug



Right In: 12.225+/-0.150 χ^2/NDF: 3490.2/33

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 10.209+/-0.152 χ^2/NDF: 18232.5/36

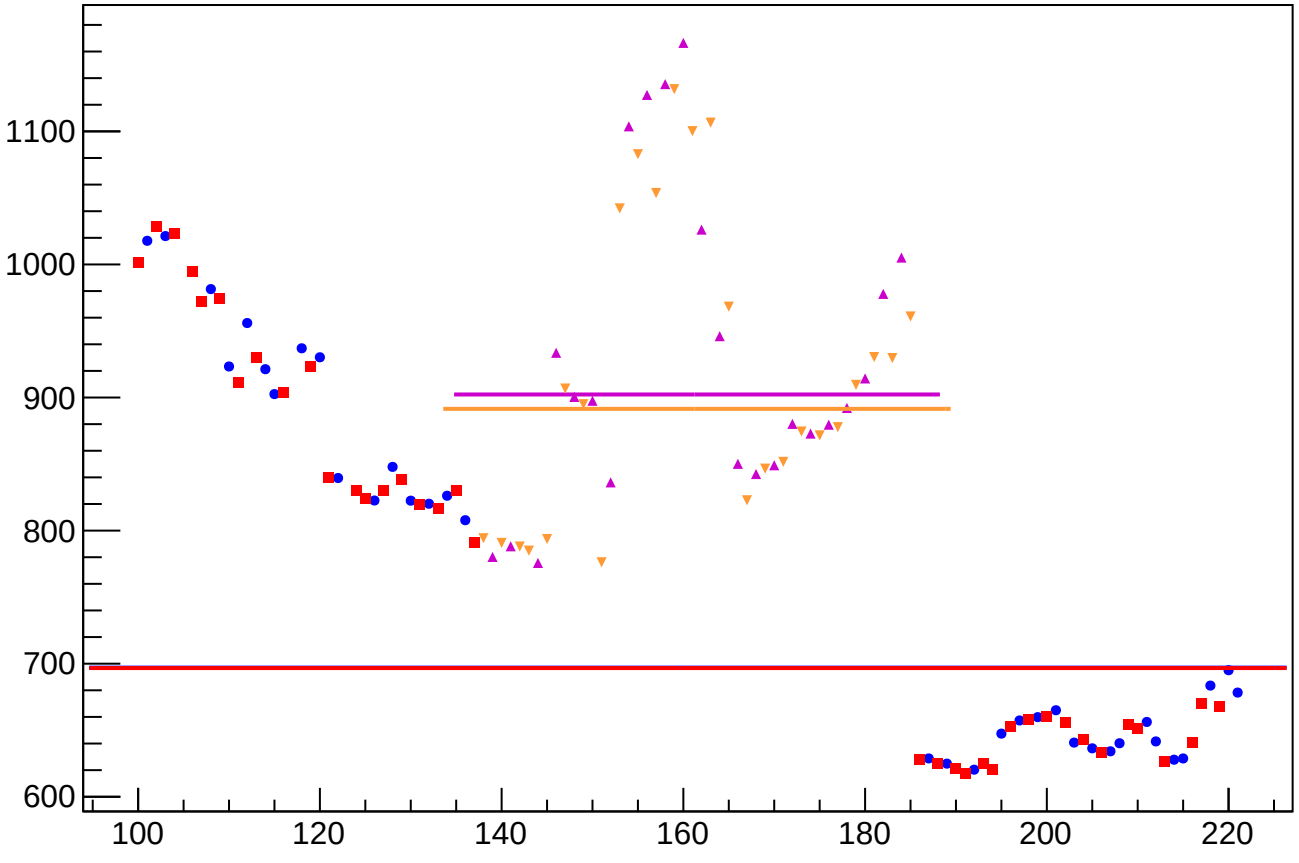
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 9.773+/-0.121 χ^2/NDF: 4704.0/58

All: 8.250+/-0.086 χ^2/NDF: 25375.0/118

- sign 6.658+/-0.124 χ^2/NDF: 20346.4/59

diff_bpm2i01Y_rms vs Slug



Right In: 697.036+/-0.106 χ^2/NDF: 951265.7/33

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 696.708+/-0.107 χ^2/NDF: 1031488.8/36

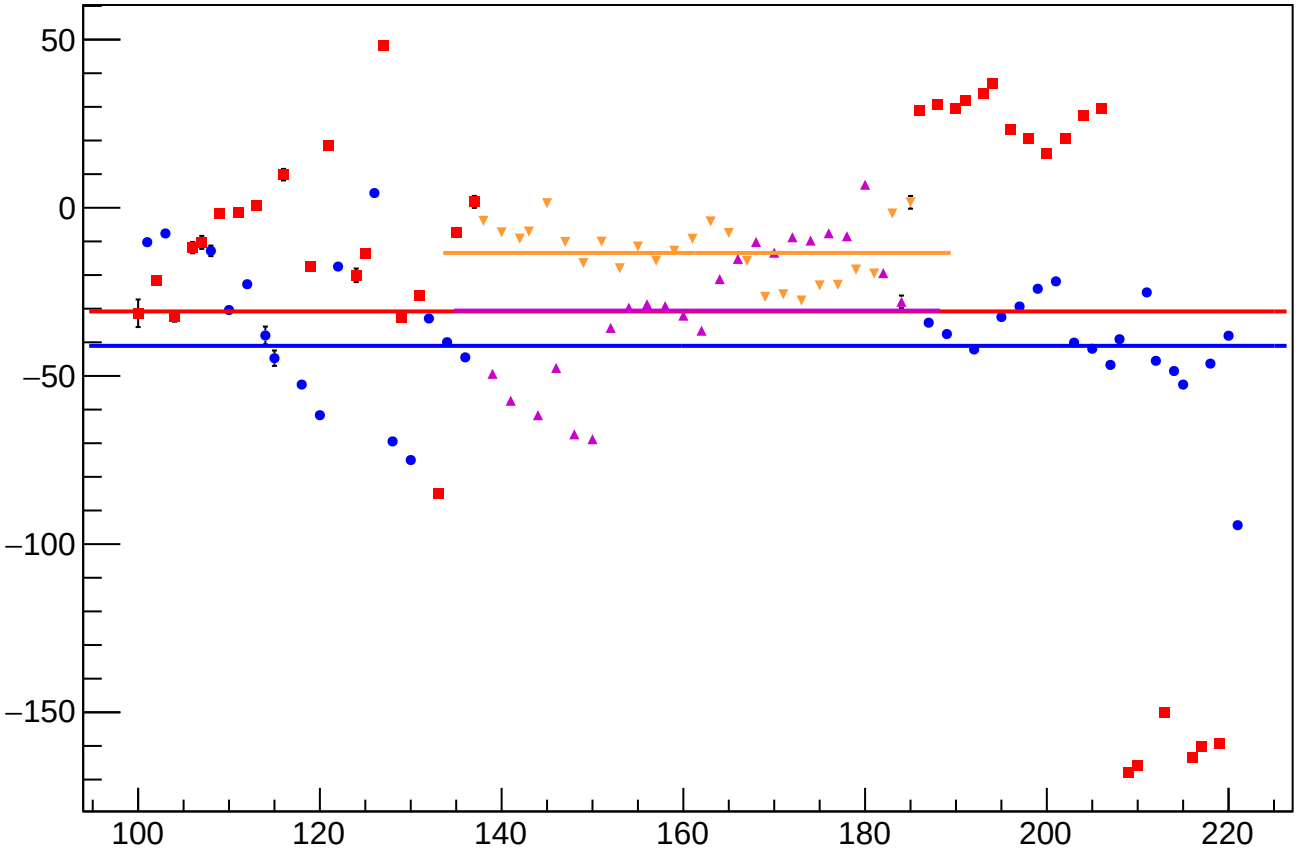
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 765.087+/-0.085 χ^2/NDF: 2646067.9/58

All: 765.604+/-0.061 χ^2/NDF: 5400407.0/118

- sign 766.143+/-0.087 χ^2/NDF: 2754264.5/59

diff_bpm2i02X_mean vs Slug



Right In: -41.049+/-0.149 χ^2/NDF: 14210.9/33

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -30.821+/-0.150 χ^2/NDF: 286922.4/36

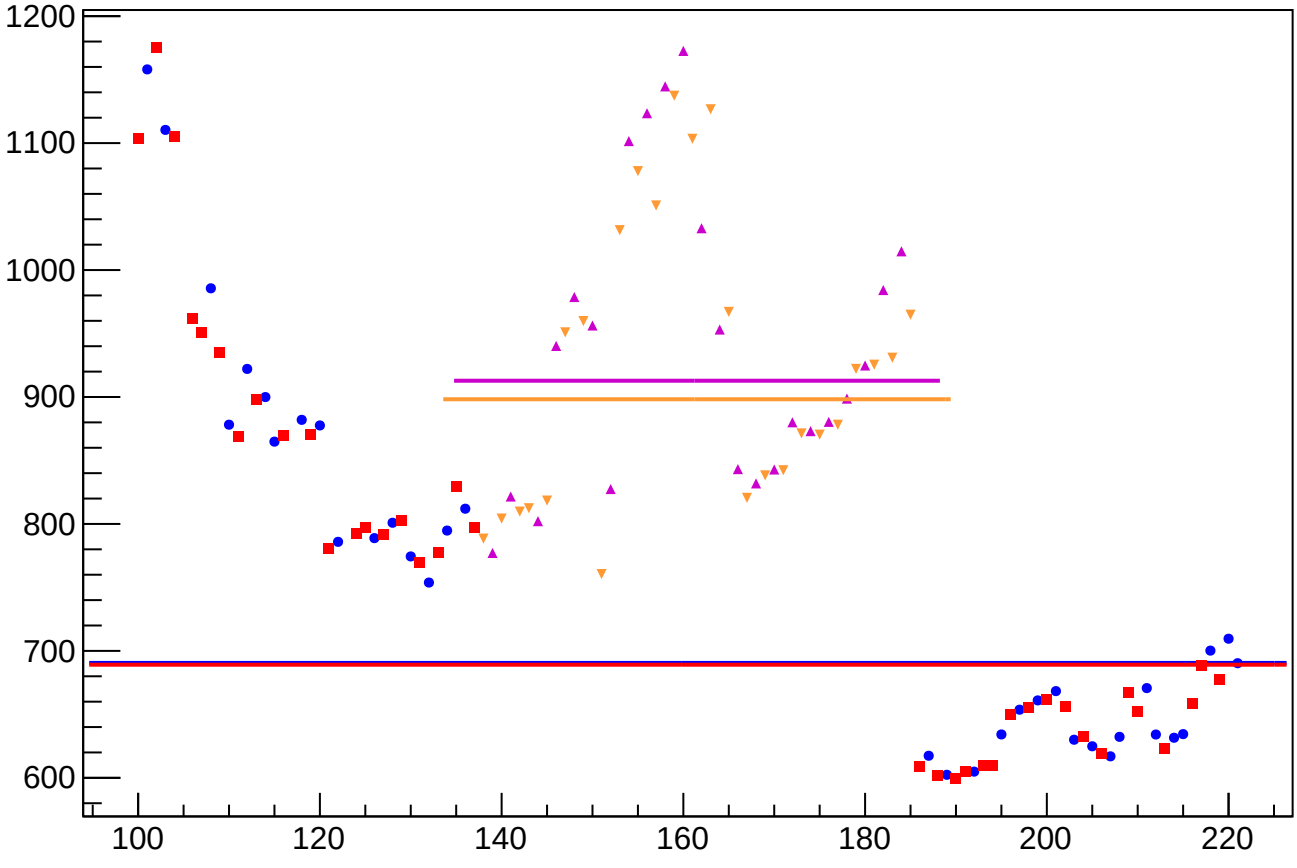
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -31.591+/-0.121 χ^2/NDF: 27709.6/58

All: -31.174+/-0.086 χ^2/NDF: 325043.8/118

- sign -30.739+/-0.123 χ^2/NDF: 297309.8/59

diff_bpm2i02X_rms vs Slug



Right In: 690.525+/-0.105 χ^2/NDF: 990901.1/33

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.113+/-0.106 χ^2/NDF: 1063574.1/36

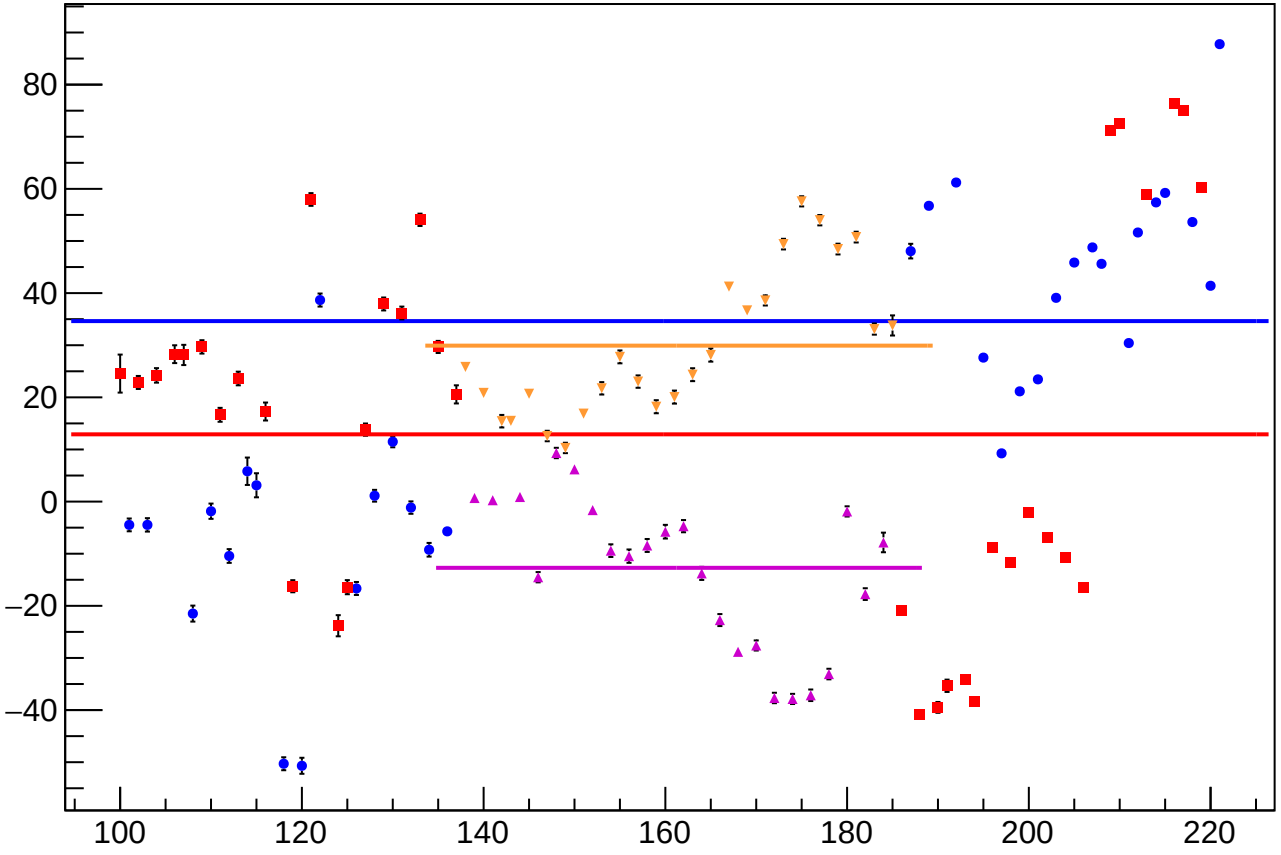
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 761.627+/-0.085 χ^2/NDF: 2847053.7/58

All: 762.017+/-0.061 χ^2/NDF: 5843959.1/118

- sign 762.426+/-0.087 χ^2/NDF: 2996862.4/59

diff_bpm2i02Y_mean vs Slug



Right In: 34.631+/-0.146 χ^2/NDF: 36796.2/33

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 12.904+/-0.148 χ^2/NDF: 76642.5/36

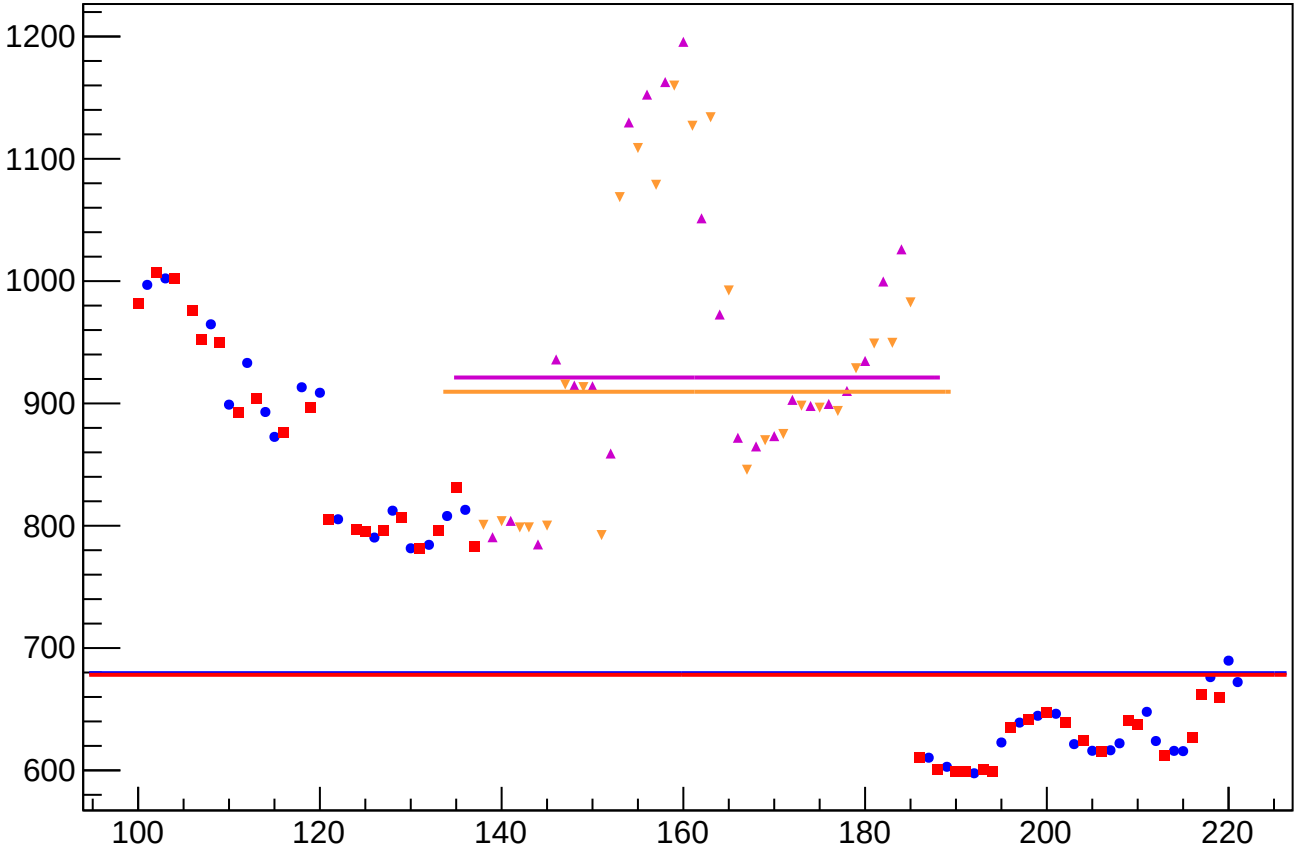
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 33.080+/-0.120 χ^2/NDF: 41718.5/58

All: 19.228+/-0.086 χ^2/NDF: 160009.8/118

- sign 4.794+/-0.122 χ^2/NDF: 90941.9/59

diff_bpm2i02Y_rms vs Slug



Right In: 679.451+/-0.103 χ^2/NDF: 966446.3/33

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 678.138+/-0.105 χ^2/NDF: 1044538.2/36

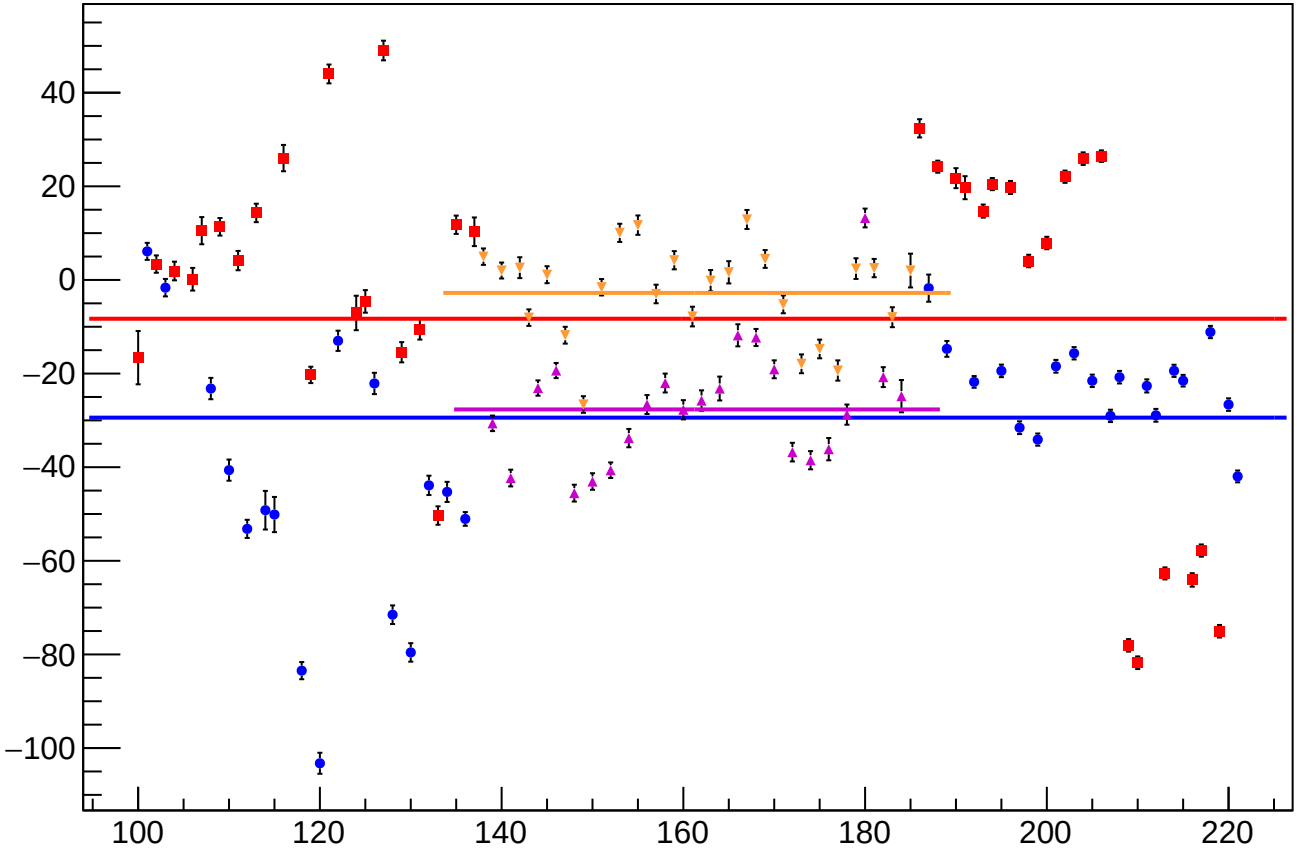
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 755.238+/-0.085 χ^2/NDF: 3140837.9/58

All: 755.171+/-0.060 χ^2/NDF: 6395401.7/118

- sign 755.101+/-0.086 χ^2/NDF: 3254562.6/59

diff_bpm0i02X_mean vs Slug



Right In: -29.415+/-0.274 χ^2/NDF: 5209.5/33

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -8.286+/-0.277 χ^2/NDF: 20328.9/36

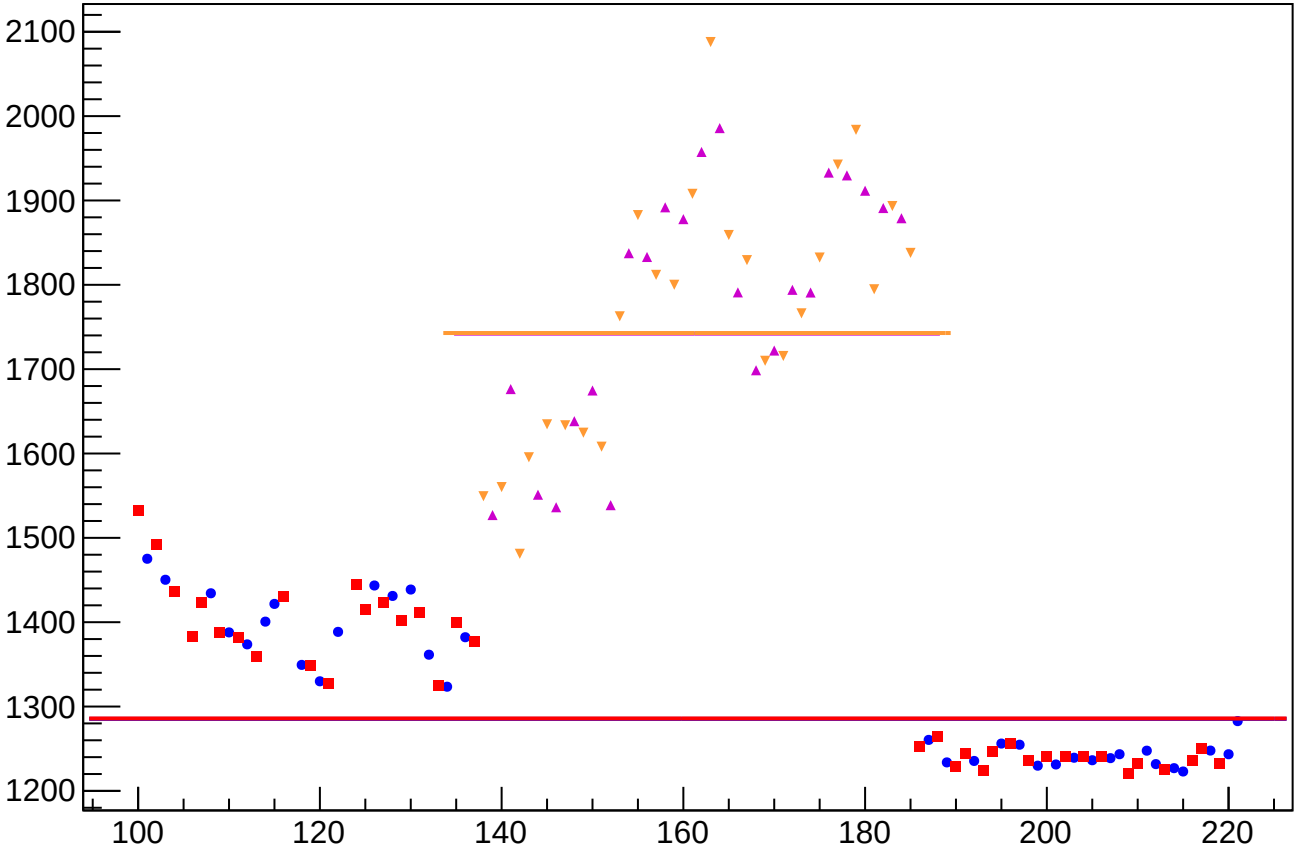
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -20.835+/-0.226 χ^2/NDF: 8874.1/58

All: -17.672+/-0.161 χ^2/NDF: 32132.4/118

- sign -14.395+/-0.229 χ^2/NDF: 22857.7/59

diff_bpm0i02X_rms vs Slug



Right In: 1285.388+/-0.194 χ^2/NDF: 151339.1/33

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1285.847+/-0.196 χ^2/NDF: 150609.1/36

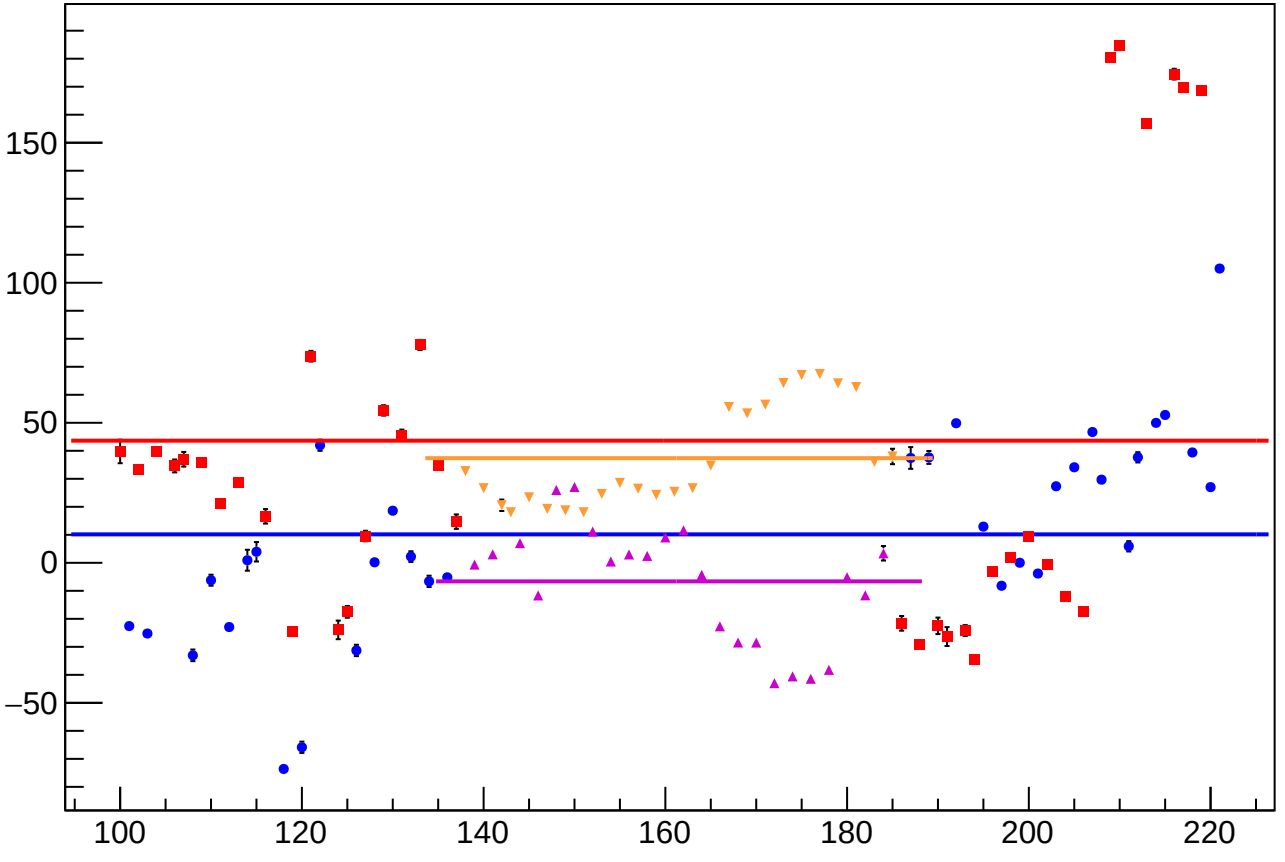
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1432.675+/-0.159 χ^2/NDF: 2211234.7/58

All: 1431.218+/-0.114 χ^2/NDF: 4330464.5/11

- sign 1429.709+/-0.162 χ^2/NDF: 2119059.8/59

diff_bpm0i02Y_mean vs Slug



Right In: 10.161+/-0.311 χ^2/NDF: 13679.3/33

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 43.611+/-0.311 χ^2/NDF: 49056.0/36

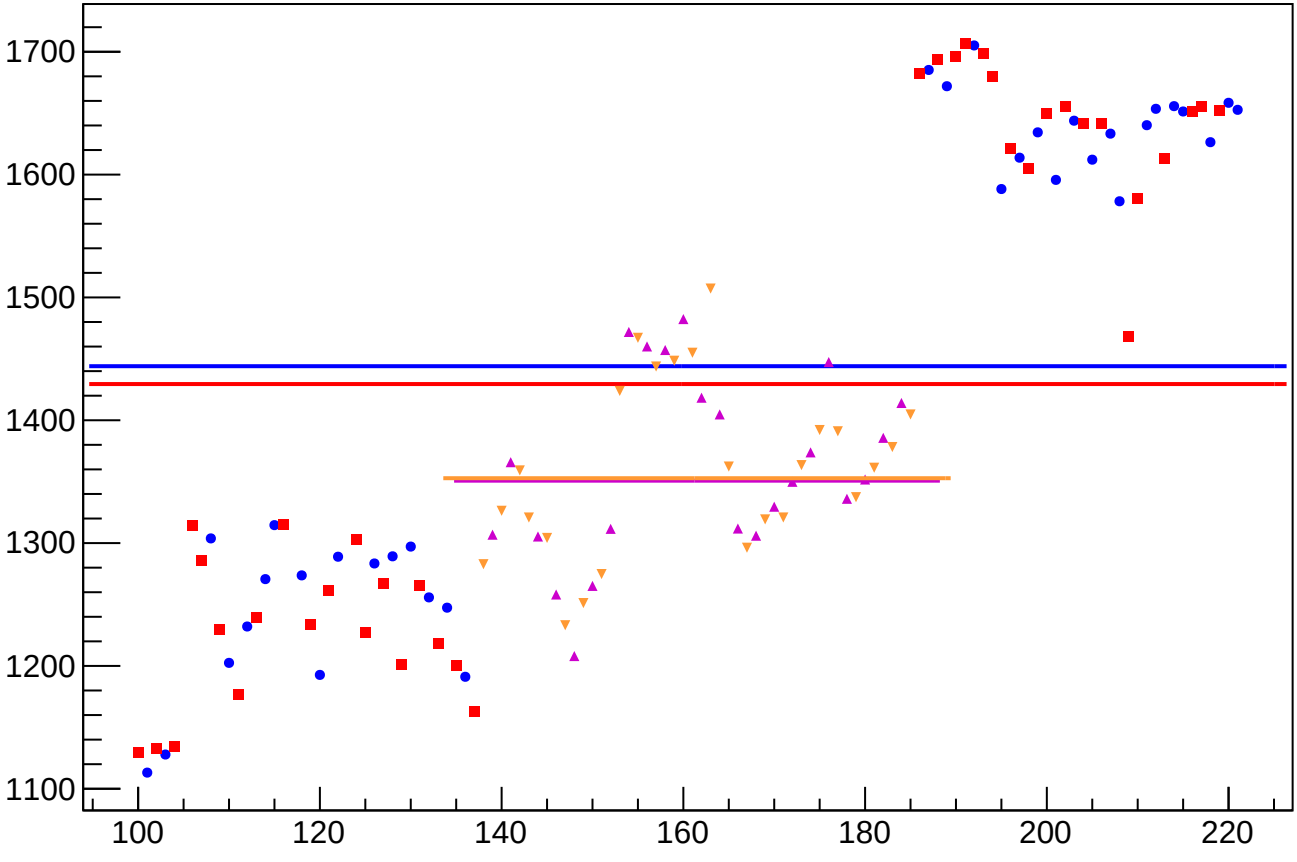
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 23.881+/-0.219 χ^2/NDF: 20946.8/58

All: 21.411+/-0.156 χ^2/NDF: 87495.8/118

- sign 18.868+/-0.222 χ^2/NDF: 66289.8/59

diff_bpm0i02Y_rms vs Slug



Right In: 1444.017+/-0.220 χ^2/NDF: 927678.1/33

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1429.482+/-0.220 χ^2/NDF: 965508.0/36

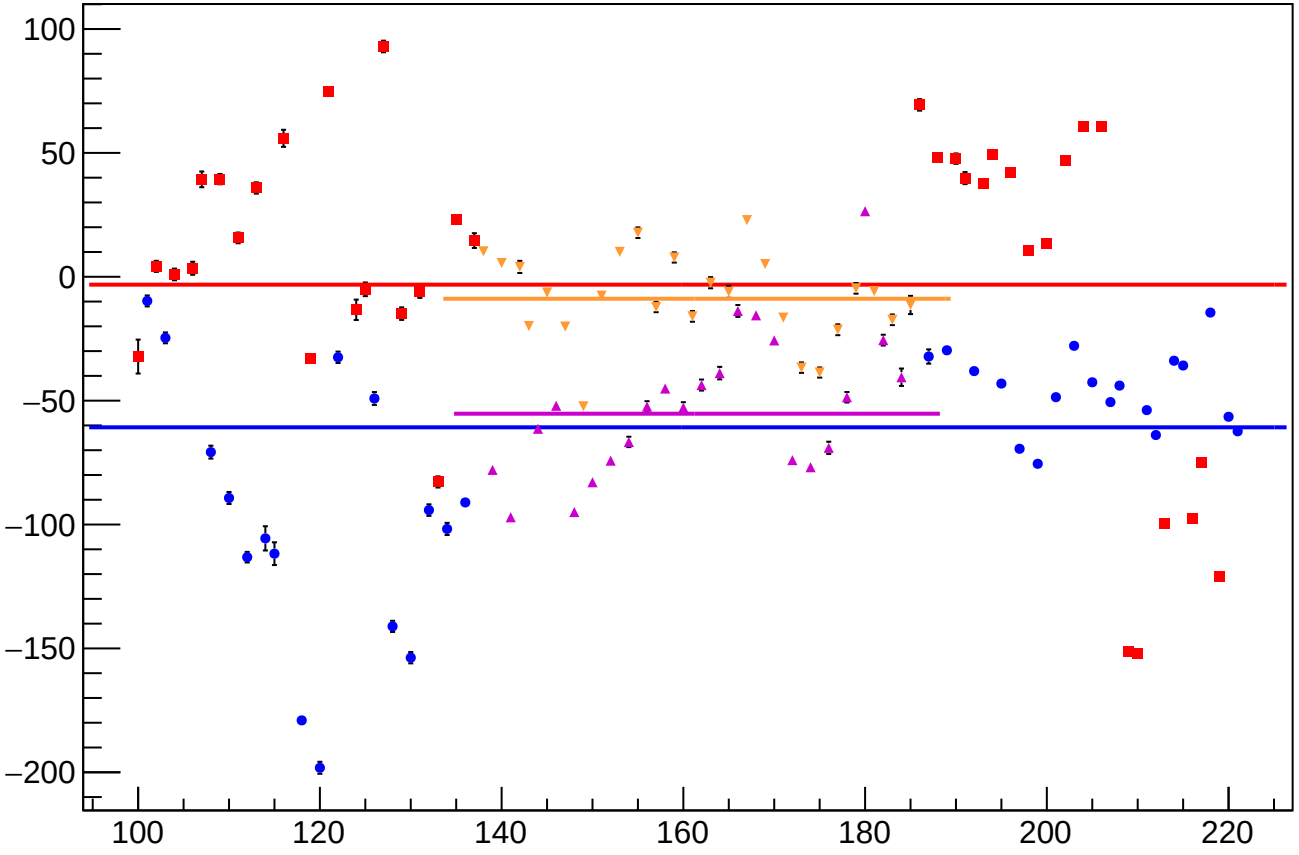
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1398.028+/-0.155 χ^2/NDF: 1119521.4/58

All: 1394.441+/-0.110 χ^2/NDF: 2257594.3/11

- sign 1390.748+/-0.157 χ^2/NDF: 1136979.8/59

diff_bpm0i02aX_mean vs Slug



Right In: -60.759+/-0.311 χ^2/NDF: 15703.7/33

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -3.178+/-0.310 χ^2/NDF: 50722.2/36

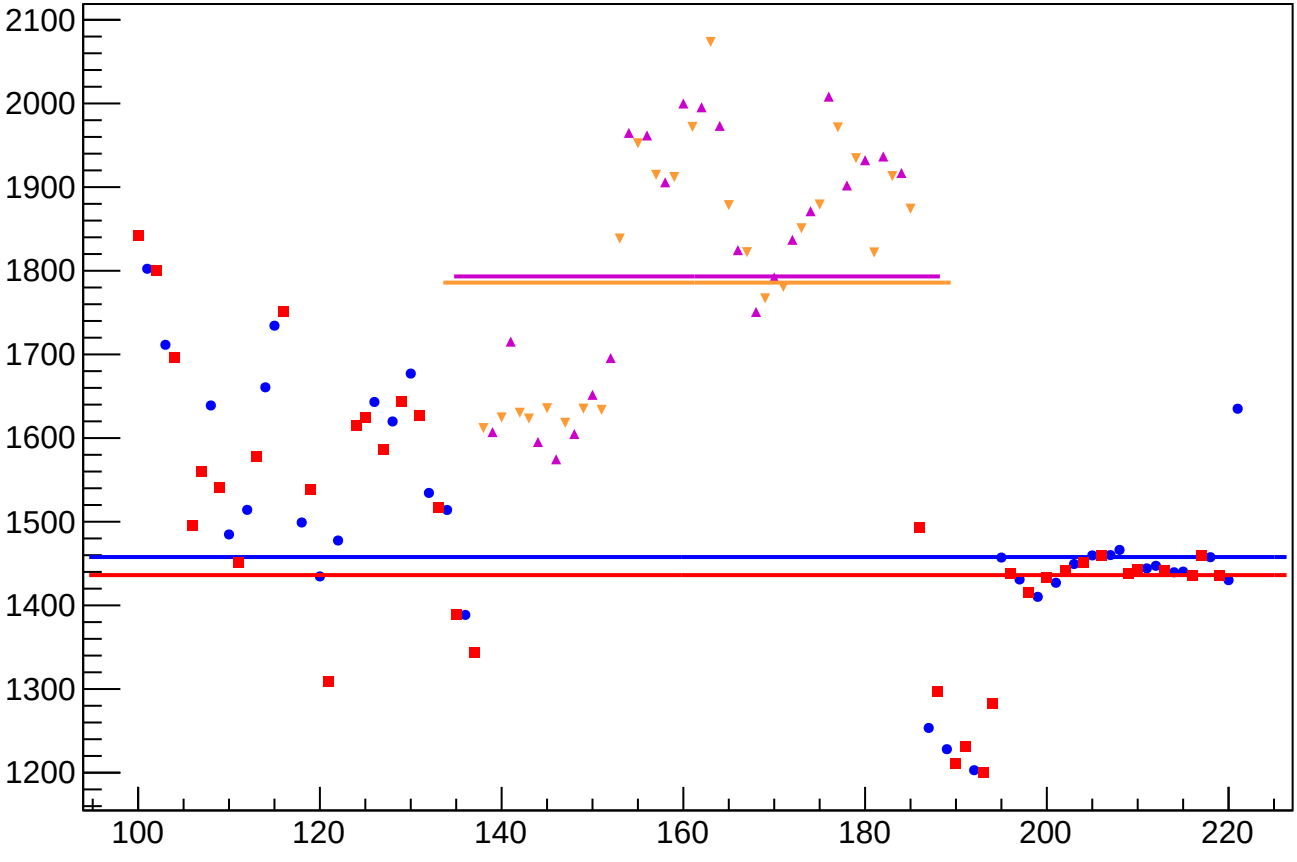
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -41.618+/-0.247 χ^2/NDF: 27911.6/58

All: -31.686+/-0.176 χ^2/NDF: 96560.4/118

- sign -21.555+/-0.250 χ^2/NDF: 65390.1/59

diff_bpm0i02aX_rms vs Slug



Right In: 1457.787+/-0.220 χ^2/NDF: 307172.0/33

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1436.196+/-0.220 χ^2/NDF: 331455.5/36

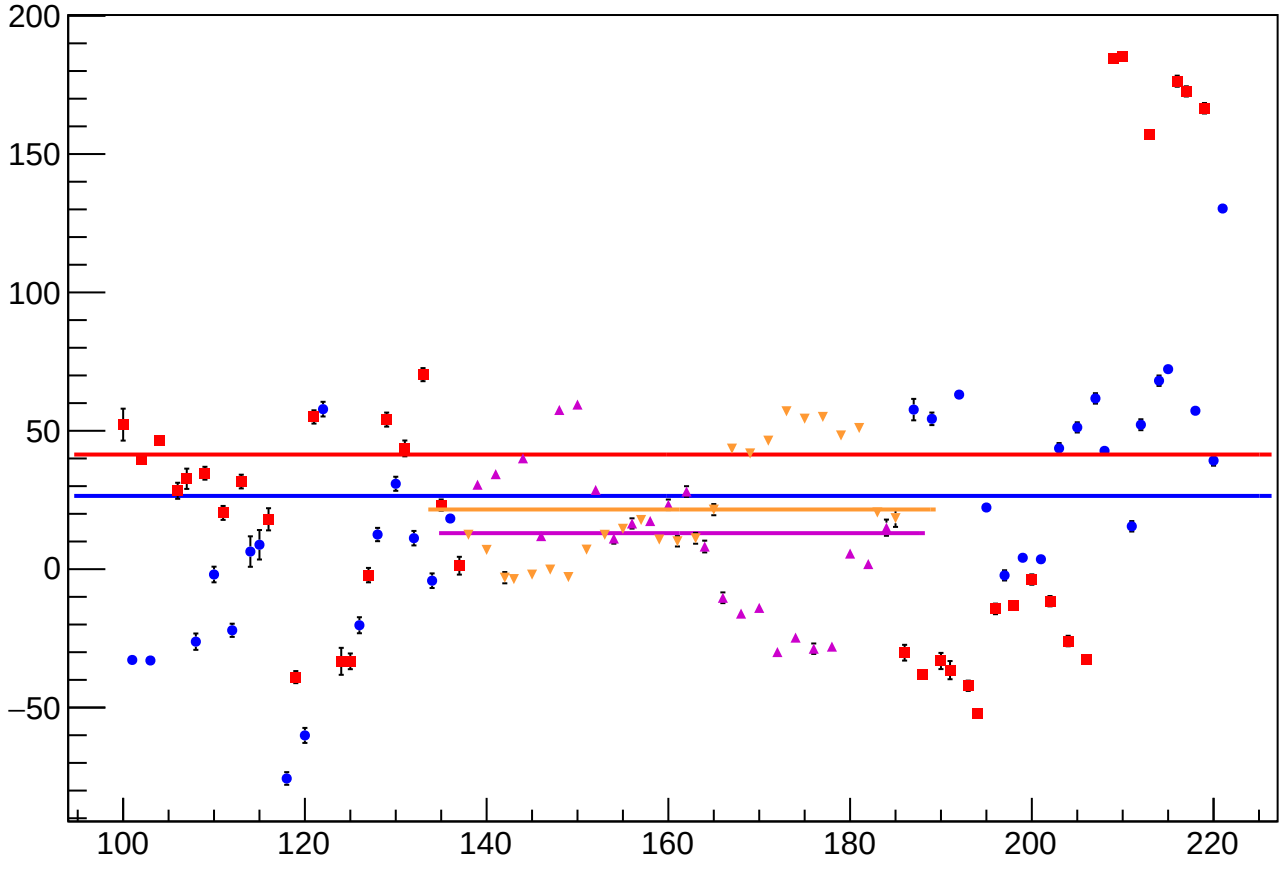
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1578.776+/-0.175 χ^2/NDF: 1363811.8/58

All: 1570.553+/-0.124 χ^2/NDF: 2885875.1/11

- sign 1562.165+/-0.177 χ^2/NDF: 1517595.5/59

diff_bpm0i02aY_mean vs Slug



Right In: 26.473+/-0.358 χ^2/NDF: 13894.0/33

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 41.421+/-0.358 χ^2/NDF: 51603.4/36

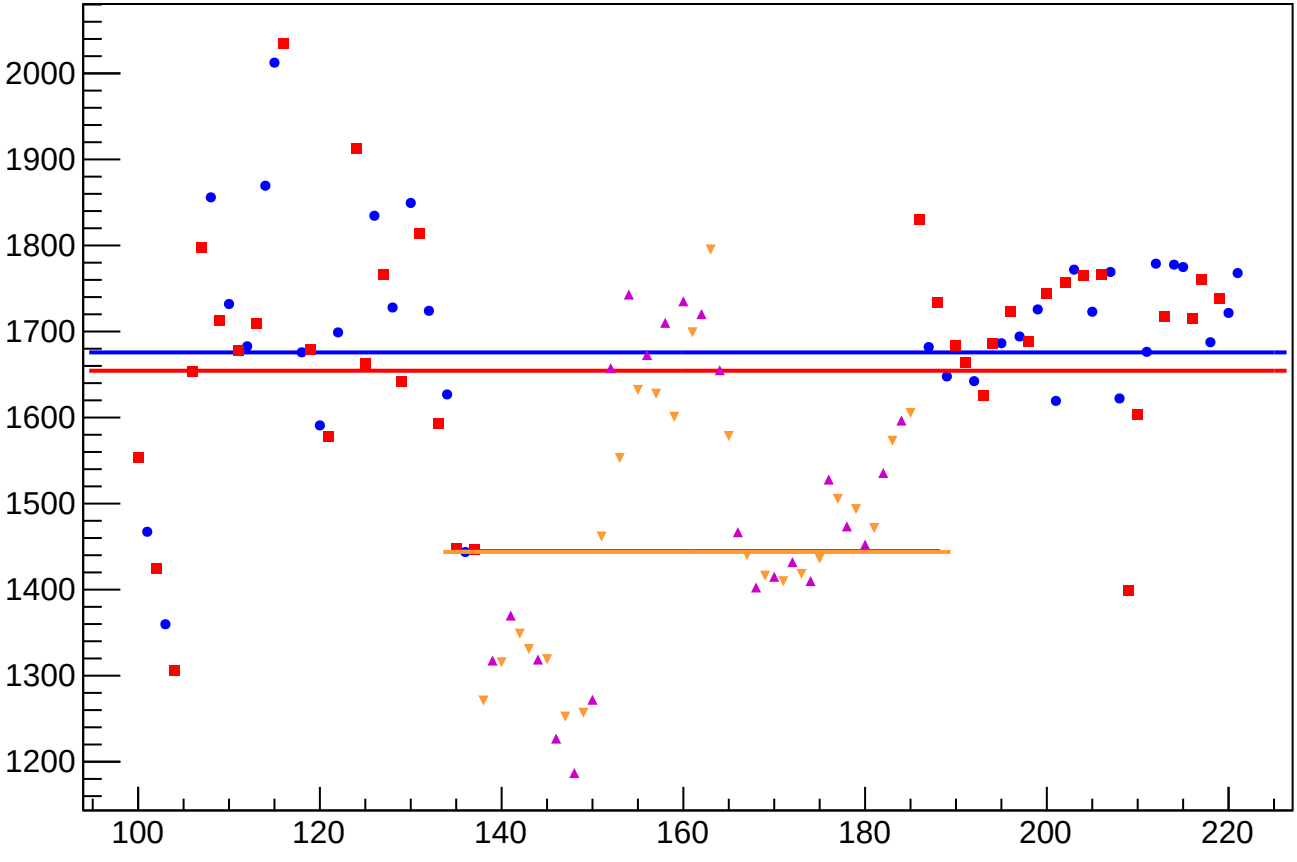
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 23.821+/-0.243 χ^2/NDF: 18156.4/58

All: 25.136+/-0.173 χ^2/NDF: 79758.7/118

- sign 26.494+/-0.246 χ^2/NDF: 61542.7/59

diff_bpm0i02aY_rms vs Slug



Right In: 1675.704+/-0.253 χ^2/NDF: 218551.5/33

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

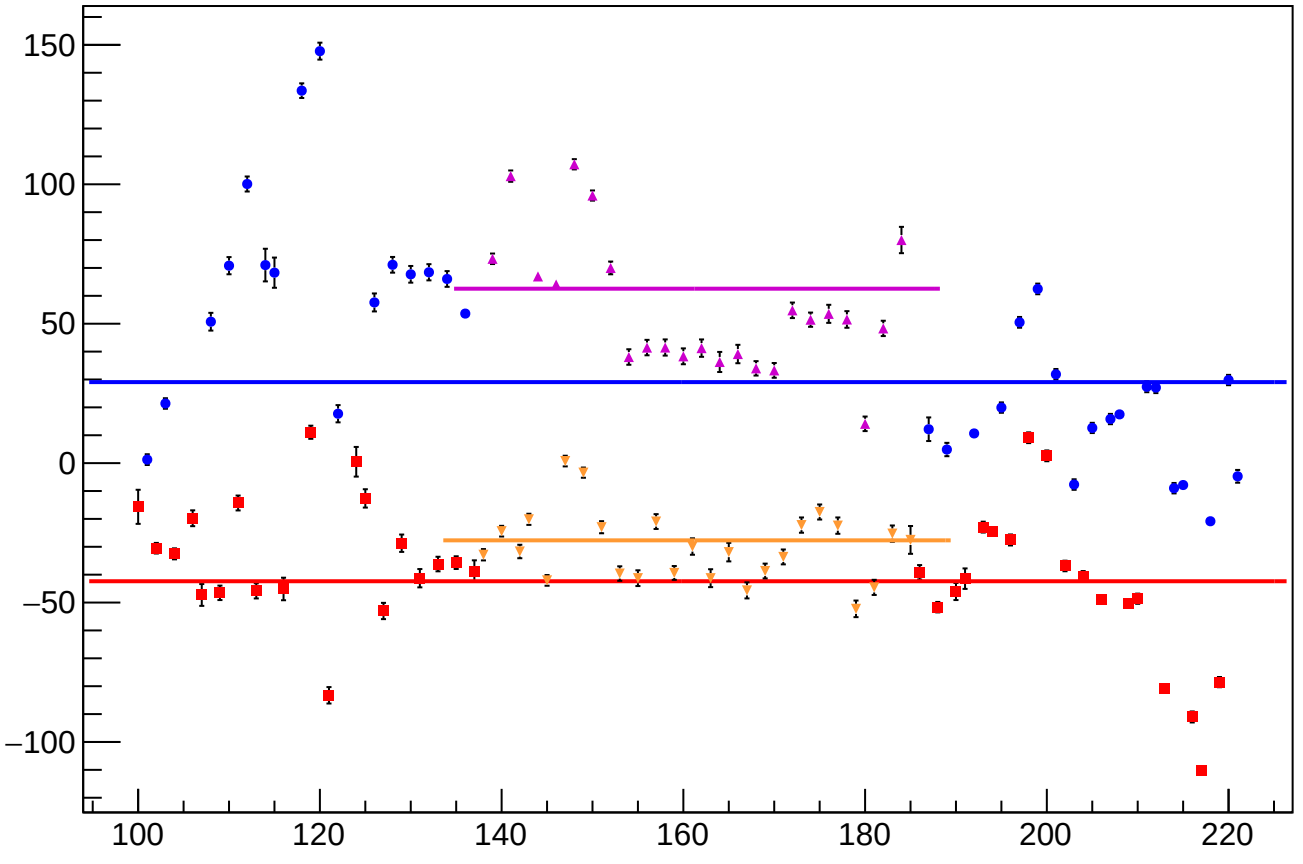
Right Out: 1654.432+/-0.253 χ^2/NDF: 295176.4/36

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1550.378+/-0.172 χ^2/NDF: 1024929.6/58

All: 1547.379+/-0.122 χ^2/NDF: 2166606.1/11

- sign 1544.282+/-0.174 χ^2/NDF: 1141055.1/59



Right In: 29.057+/-0.379 χ^2/NDF: 8462.6/33

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -42.357+/-0.376 χ^2/NDF: 5650.1/36

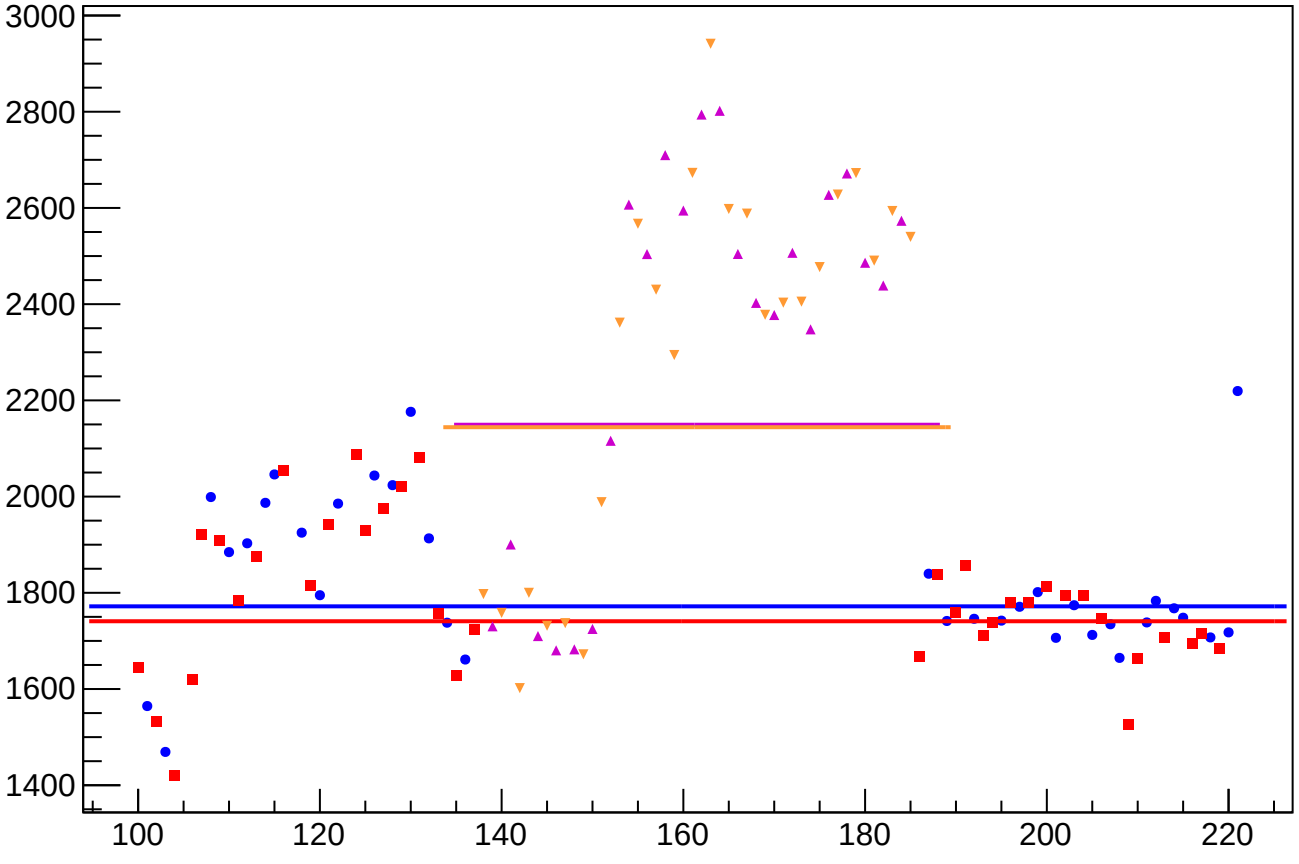
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.125+/-0.301 χ^2/NDF: 17489.8/58

All: 1.327+/-0.214 χ^2/NDF: 53909.0/118

- sign -5.554+/-0.303 χ^2/NDF: 35394.6/59

diff_bpm0i05X_rms vs Slug



Right In: 1771.864+/-0.268 χ^2/NDF: 292061.8/33

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1740.870+/-0.266 χ^2/NDF: 250593.0/36

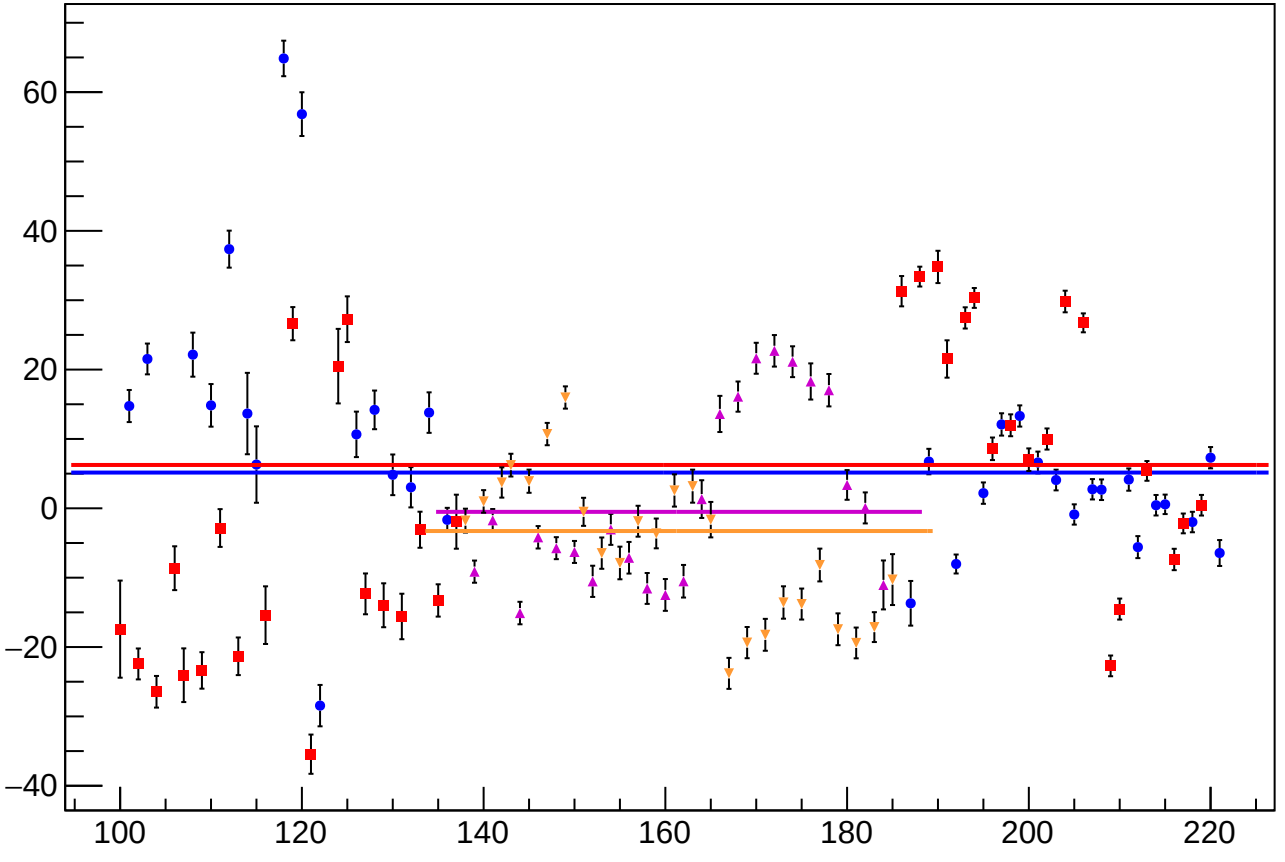
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1909.210+/-0.213 χ^2/NDF: 2283227.8/58

All: 1896.762+/-0.151 χ^2/NDF: 4633694.6/11

- sign 1884.162+/-0.214 χ^2/NDF: 2343595.8/59

diff_bpm0i05Y_mean vs Slug



Right In: 5.154+/-0.326 χ^2/NDF: 1568.6/33

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 6.250+/-0.326 χ^2/NDF: 3602.7/36

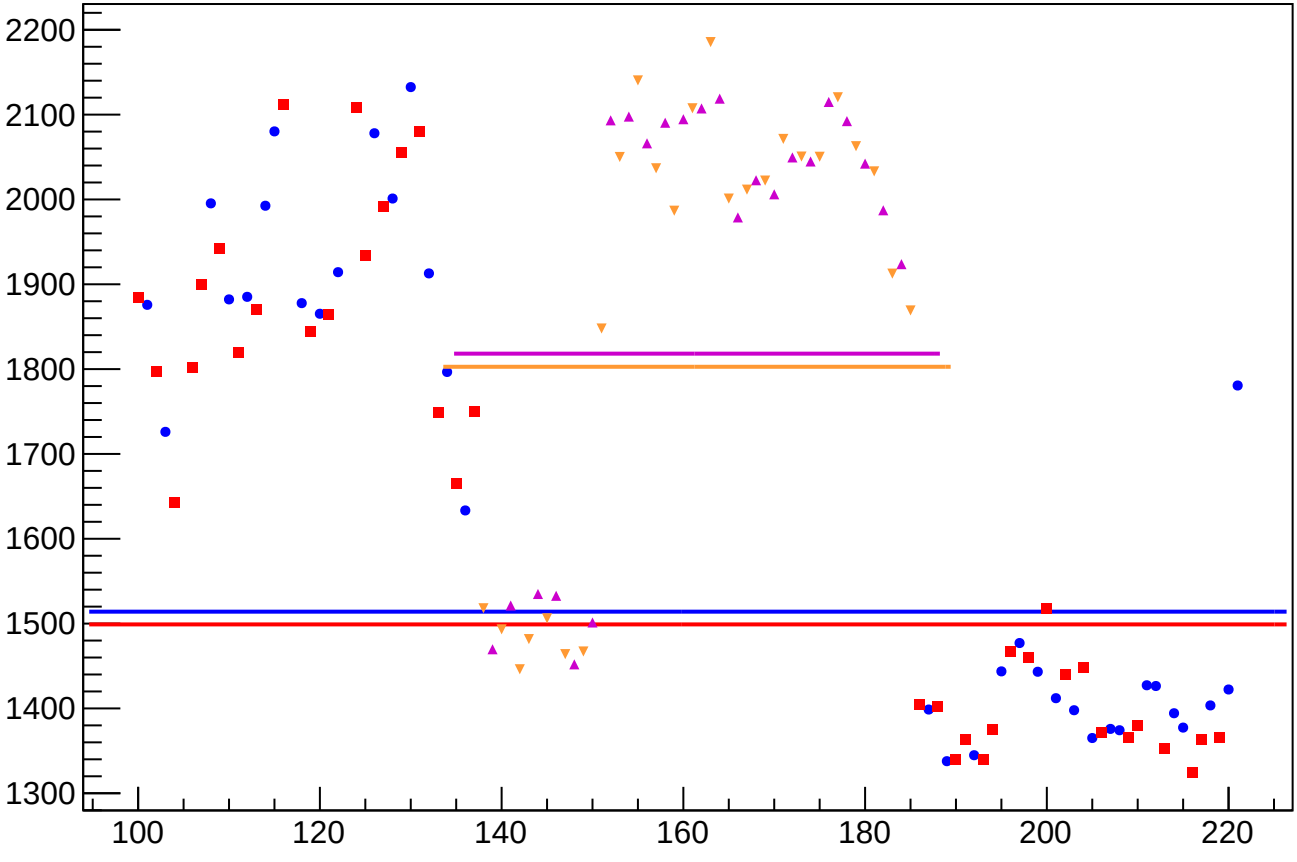
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.931+/-0.256 χ^2/NDF: 2494.9/58

All: 2.843+/-0.182 χ^2/NDF: 7026.1/118

- sign 3.780+/-0.260 χ^2/NDF: 4505.5/59

diff_bpm0i05Y_rms vs Slug



Right In: 1514.066+/-0.231 χ^2/NDF: 832455.3/33

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1499.042+/-0.231 χ^2/NDF: 806635.7/36

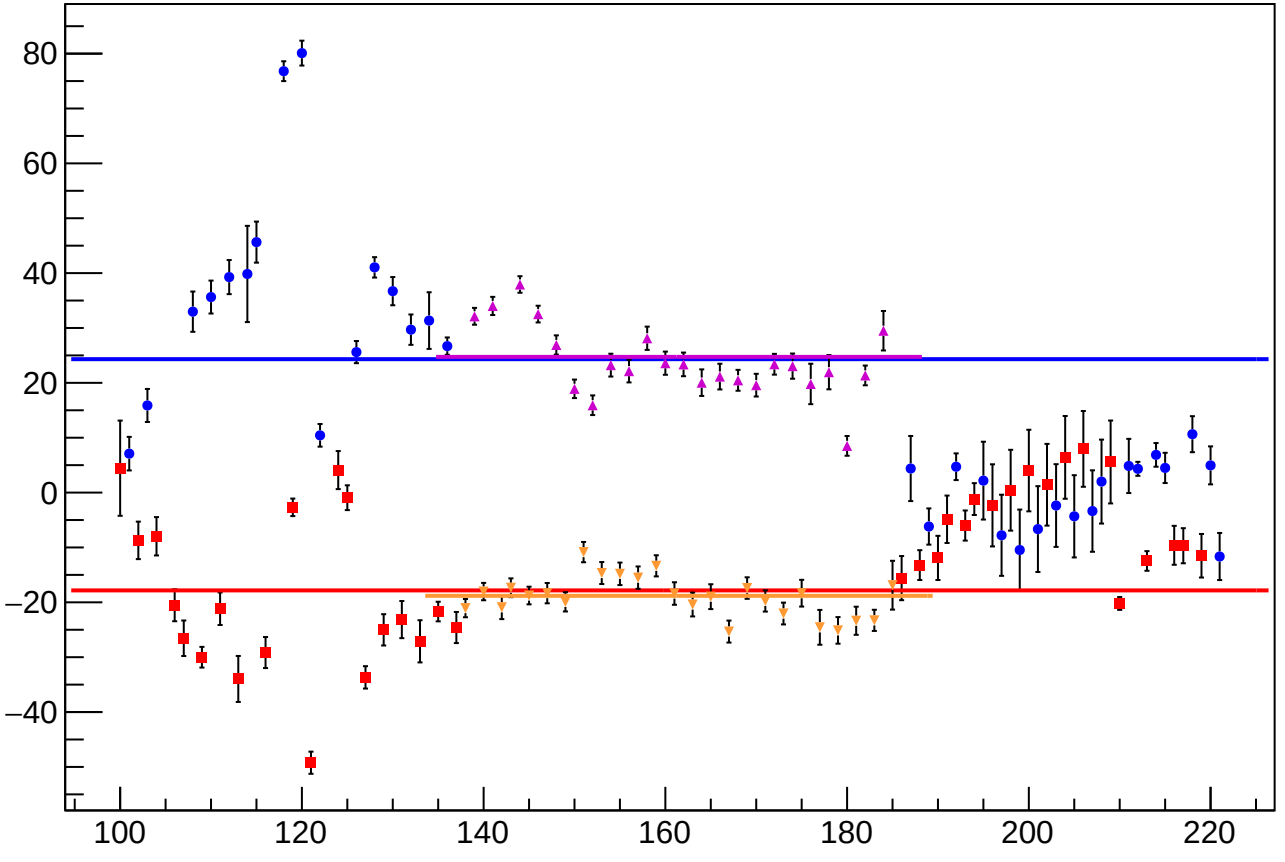
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1624.441+/-0.181 χ^2/NDF: 2328623.0/58

All: 1620.103+/-0.129 χ^2/NDF: 4676874.8/11

- sign 1615.650+/-0.184 χ^2/NDF: 2347091.4/59

diff_bpm0i07X_mean vs Slug



Right In: 24.315+/-0.485 χ^2/NDF: 2500.1/33

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -17.828+/-0.456 χ^2/NDF: 770.0/36

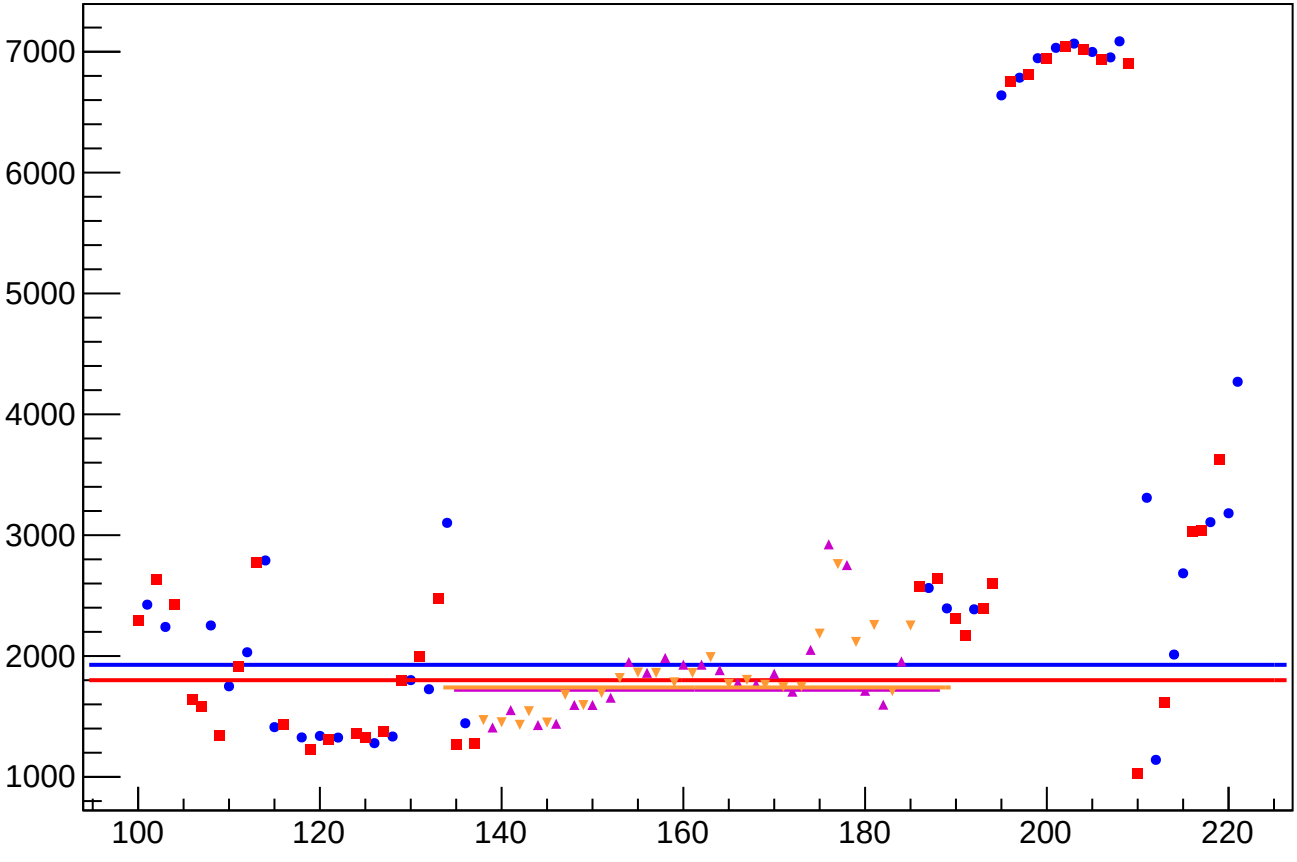
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -1.261+/-0.310 χ^2/NDF: 7261.9/58

All: 2.304+/-0.217 χ^2/NDF: 13435.6/118

\- sign 5.749+/-0.304 χ^2/NDF: 5912.7/59

diff_bpm0i07X_rms vs Slug



Right In: 1927.232+/-0.343 χ^2/NDF: 10922300.4/33

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1800.189+/-0.322 χ^2/NDF: 10500152.6/36

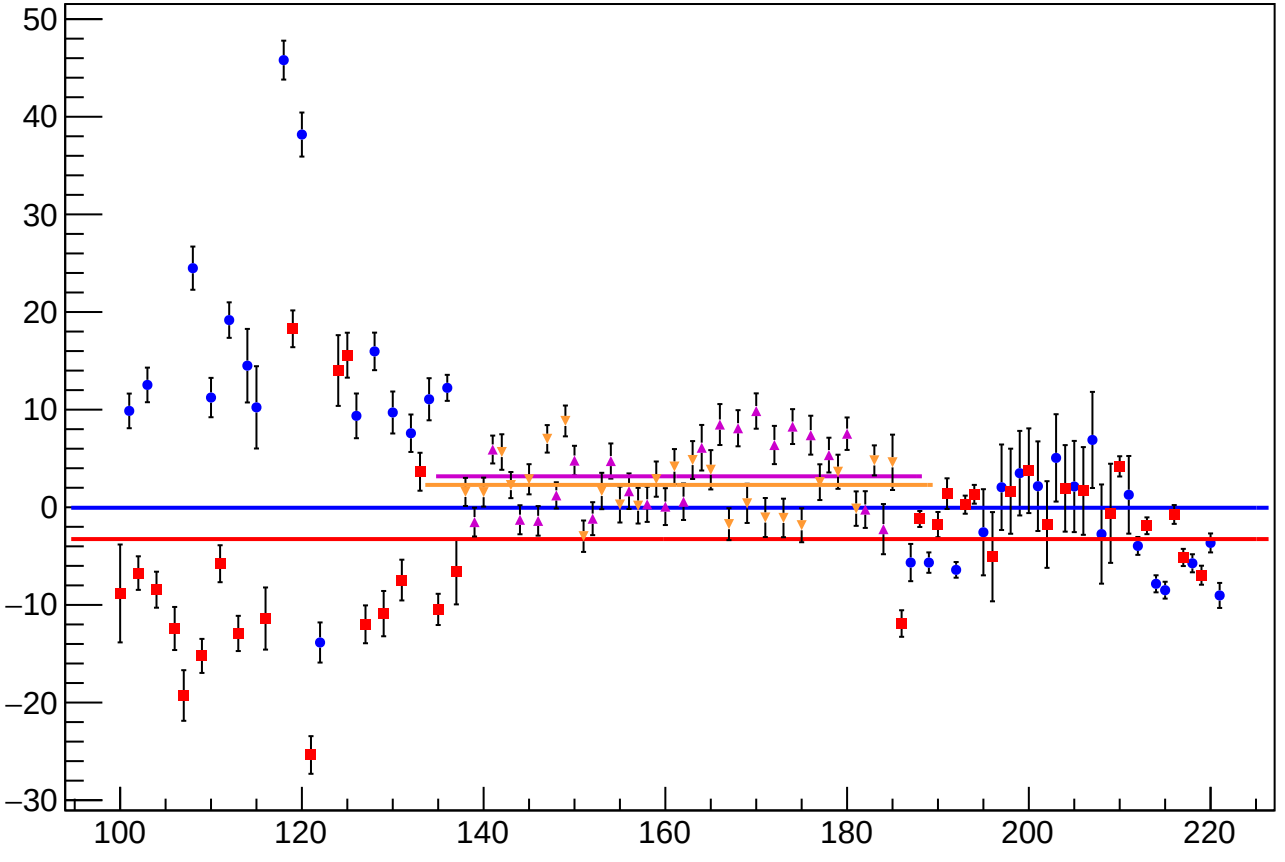
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1816.256+/-0.219 χ^2/NDF: 11852154.7/58

All: 1785.737+/-0.153 χ^2/NDF: 23308128.9/1

- sign 1756.245+/-0.215 χ^2/NDF: 11417735.3/59

diff_bpm0i07Y_mean vs Slug



Right In: -0.049+/-0.269 χ^2/NDF: 1864.2/33

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.256+/-0.253 χ^2/NDF: 754.9/36

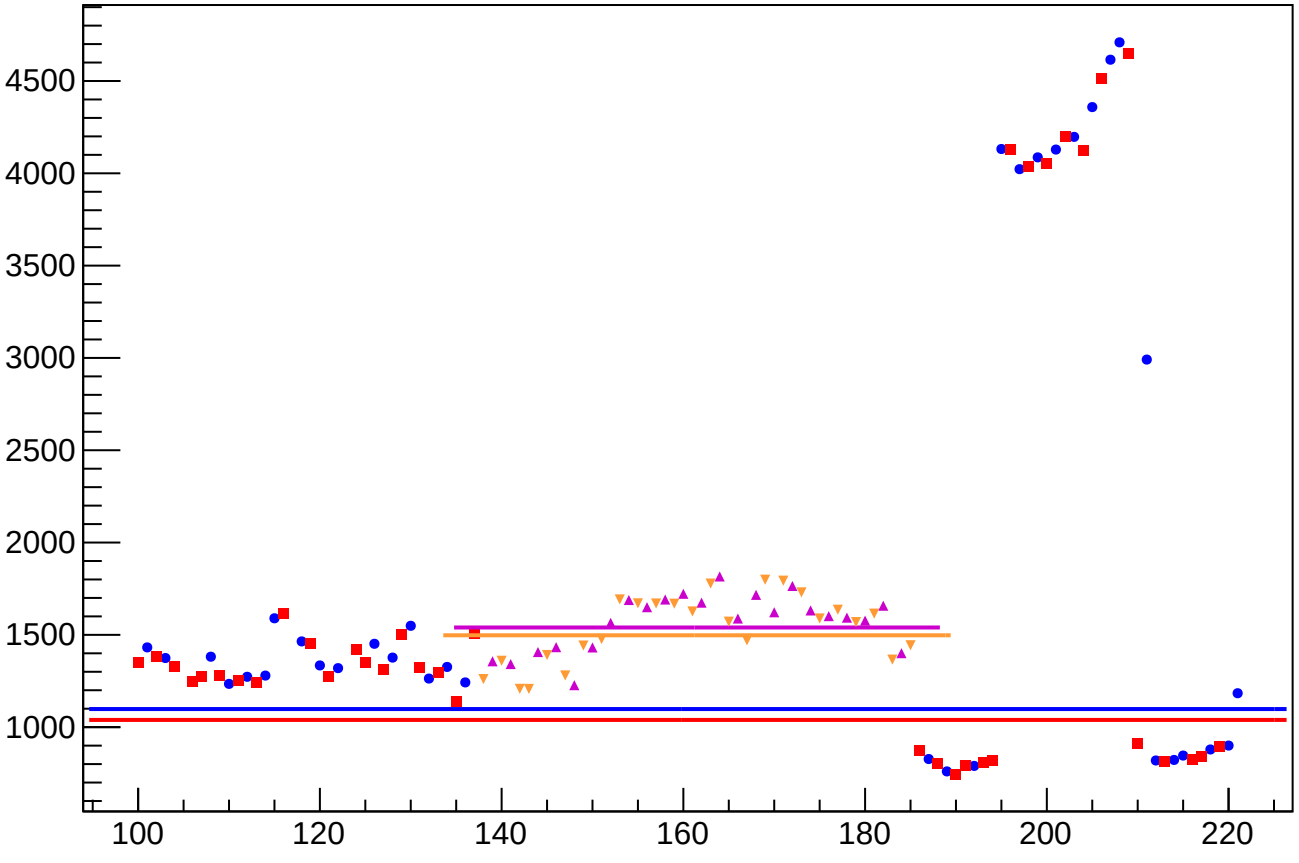
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 0.842+/-0.212 χ^2/NDF: 1966.5/58

All: -0.175+/-0.148 χ^2/NDF: 3088.5/118

- sign -1.149+/-0.207 χ^2/NDF: 1076.8/59

diff_bpm0i07Y_rms vs Slug



Right In: 1098.115+/-0.190 χ^2/NDF: 9945558.4/33

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1039.199+/-0.179 χ^2/NDF: 8749312.1/36

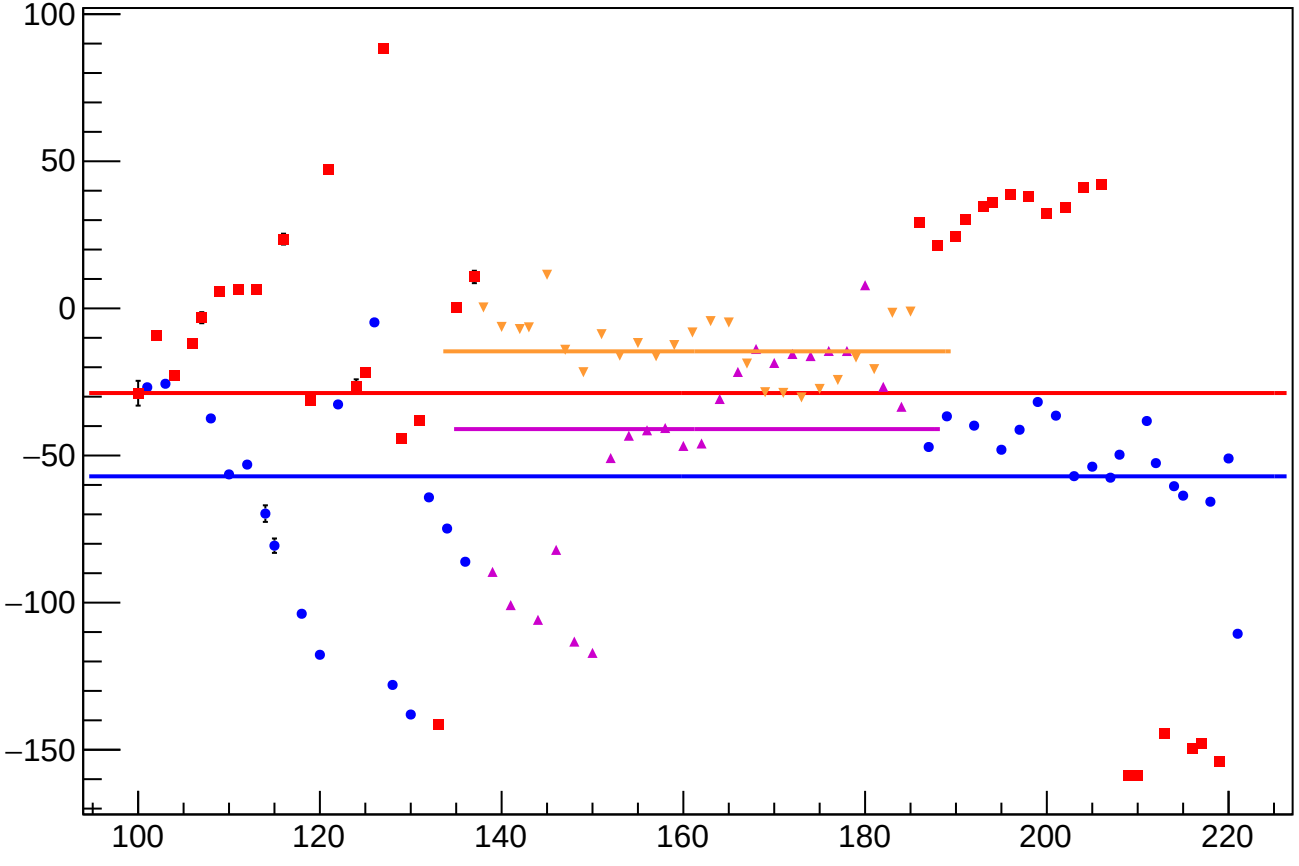
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1250.194+/-0.150 χ^2/NDF: 12190972.3/58

All: 1226.226+/-0.105 χ^2/NDF: 23936925.1/1

- sign 1203.249+/-0.147 χ^2/NDF: 11695831.1/59

diff_bpm1i02X_mean vs Slug



Right In: -57.075+/-0.150 χ^2/NDF: 26121.5/33

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -28.766+/-0.153 χ^2/NDF: 301233.1/36

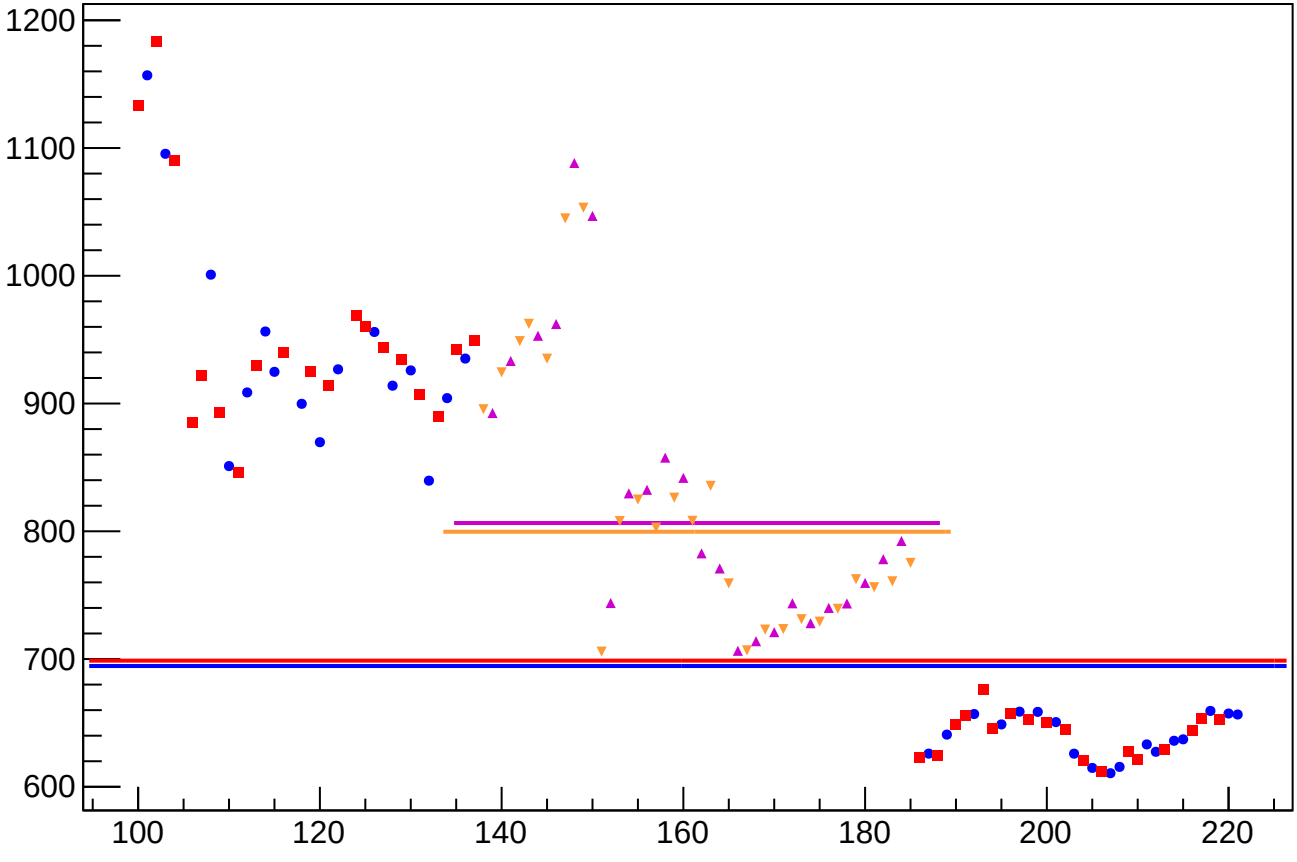
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -40.002+/-0.116 χ^2/NDF: 61523.0/58

All: -36.878+/-0.083 χ^2/NDF: 397841.1/118

- sign -33.588+/-0.119 χ^2/NDF: 334829.0/59

diff_bpm1i02X_rms vs Slug



Right In: 694.525+/-0.106 χ^2/NDF: 1306583.8/33

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

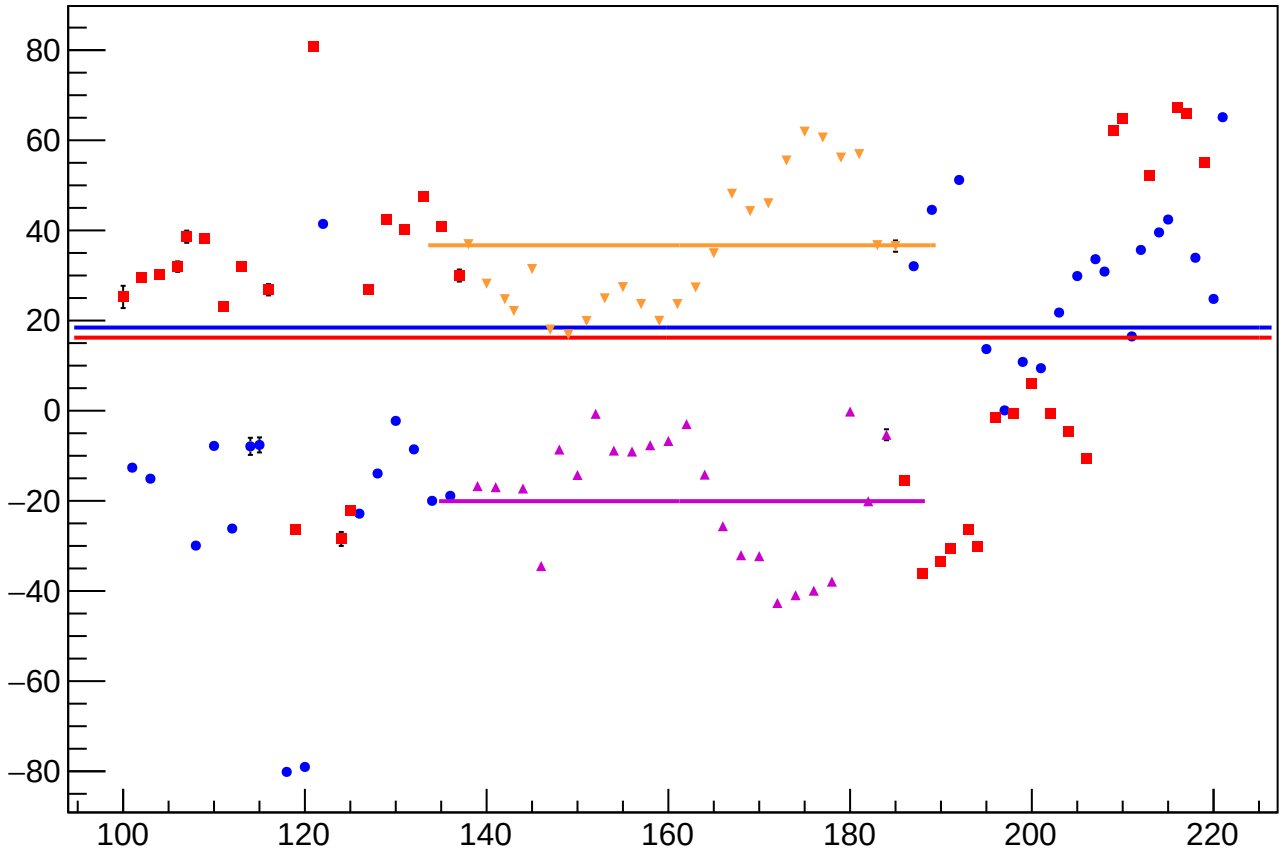
Right Out: 698.749+/-0.108 χ^2/NDF: 1354525.4/36

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 736.775+/-0.082 χ^2/NDF: 2198886.3/58

All: 738.900+/-0.059 χ^2/NDF: 4456954.3/118

- sign 741.139+/-0.084 χ^2/NDF: 2256689.0/59



Right In: 18.451+/-0.113 χ^2/NDF: 63591.4/33

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 16.212+/-0.114 χ^2/NDF: 99090.6/36

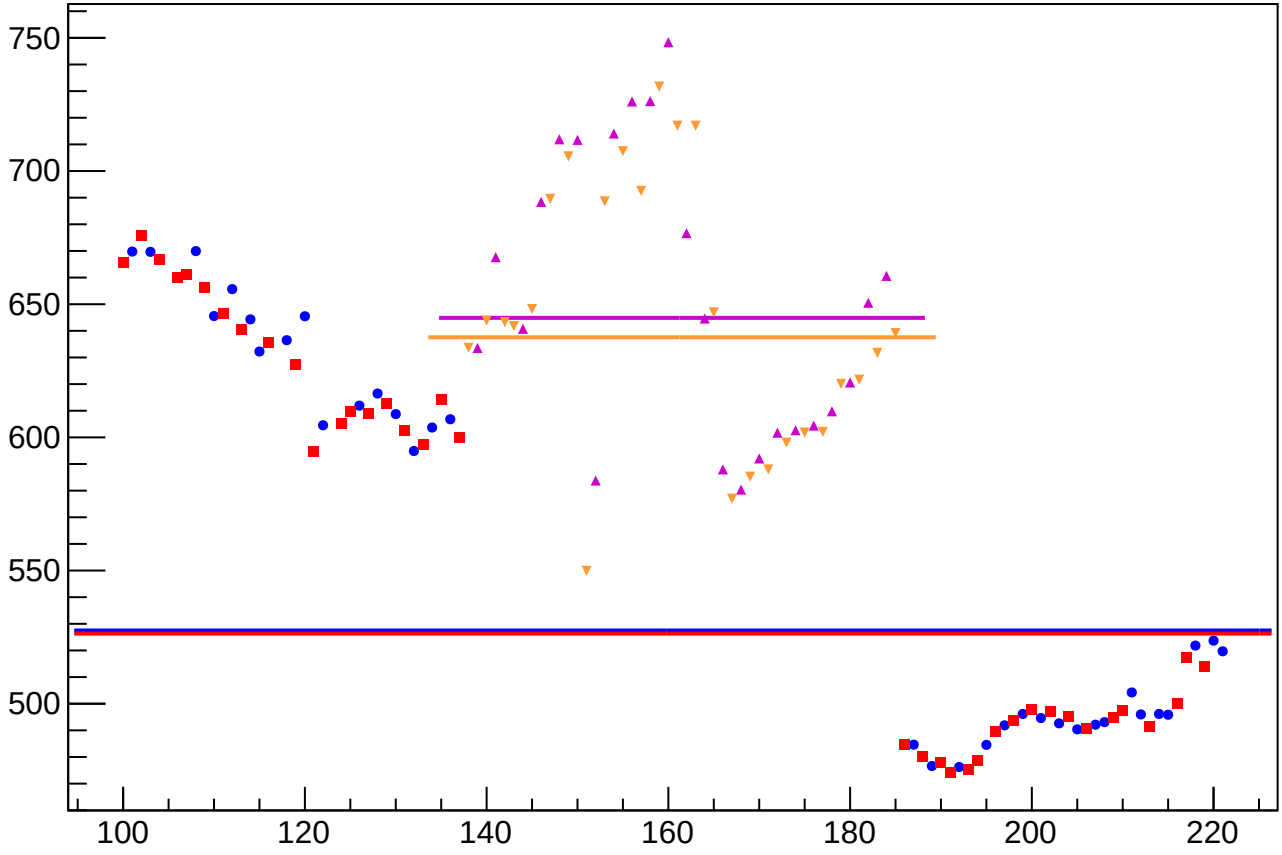
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 25.314+/-0.089 χ^2/NDF: 83653.4/58

All: 14.419+/-0.064 χ^2/NDF: 258483.8/118

- sign 3.057+/-0.091 χ^2/NDF: 144336.0/59

diff_bpm1i02Y_rms vs Slug



Right In: 527.492+/-0.080 χ^2/NDF: 542739.2/33

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.338+/-0.081 χ^2/NDF: 575616.6/36

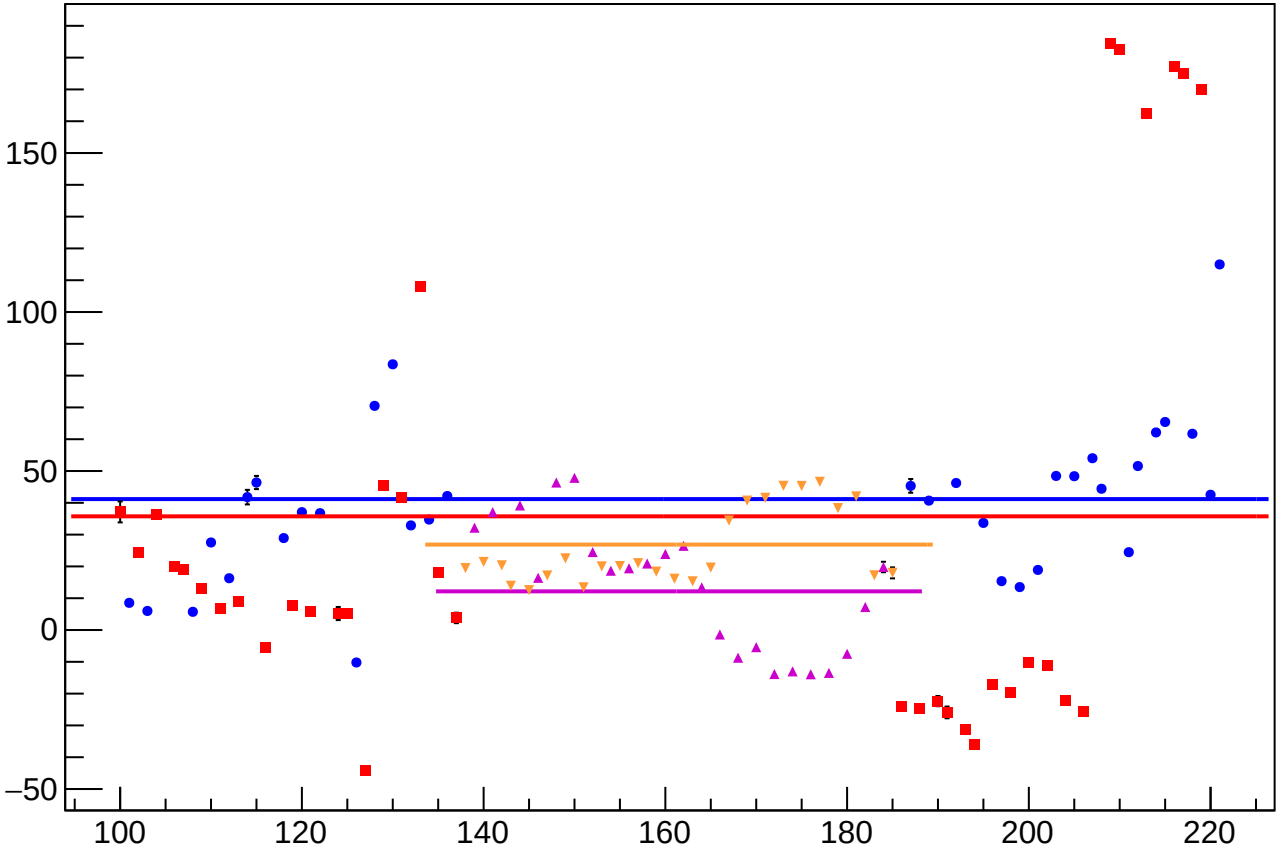
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 568.883+/-0.063 χ^2/NDF: 1494285.9/58

All: 569.096+/-0.045 χ^2/NDF: 3082612.5/118

- sign 569.318+/-0.064 χ^2/NDF: 1588303.3/59

diff_bpm1i04X_mean vs Slug



Right In: 41.172+/-0.187 χ^2/NDF: 17419.9/33

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 35.747+/-0.189 χ^2/NDF: 158880.7/36

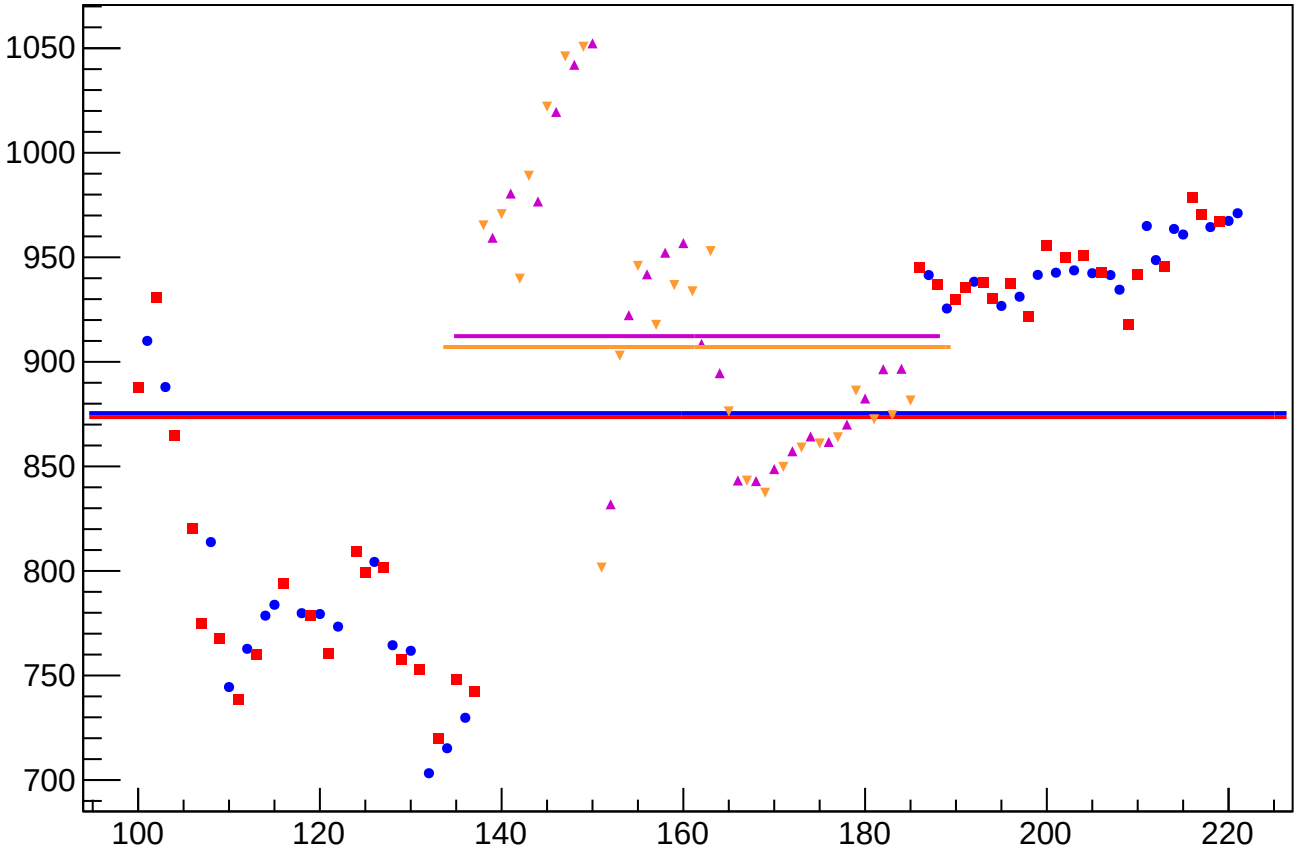
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 34.722+/-0.139 χ^2/NDF: 23441.1/58

All: 30.150+/-0.099 χ^2/NDF: 199919.6/118

- sign 25.392+/-0.142 χ^2/NDF: 174264.1/59

diff_bpm1i04X_rms vs Slug



Right In: 875.498+/-0.132 χ^2/NDF: 493256.5/33

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

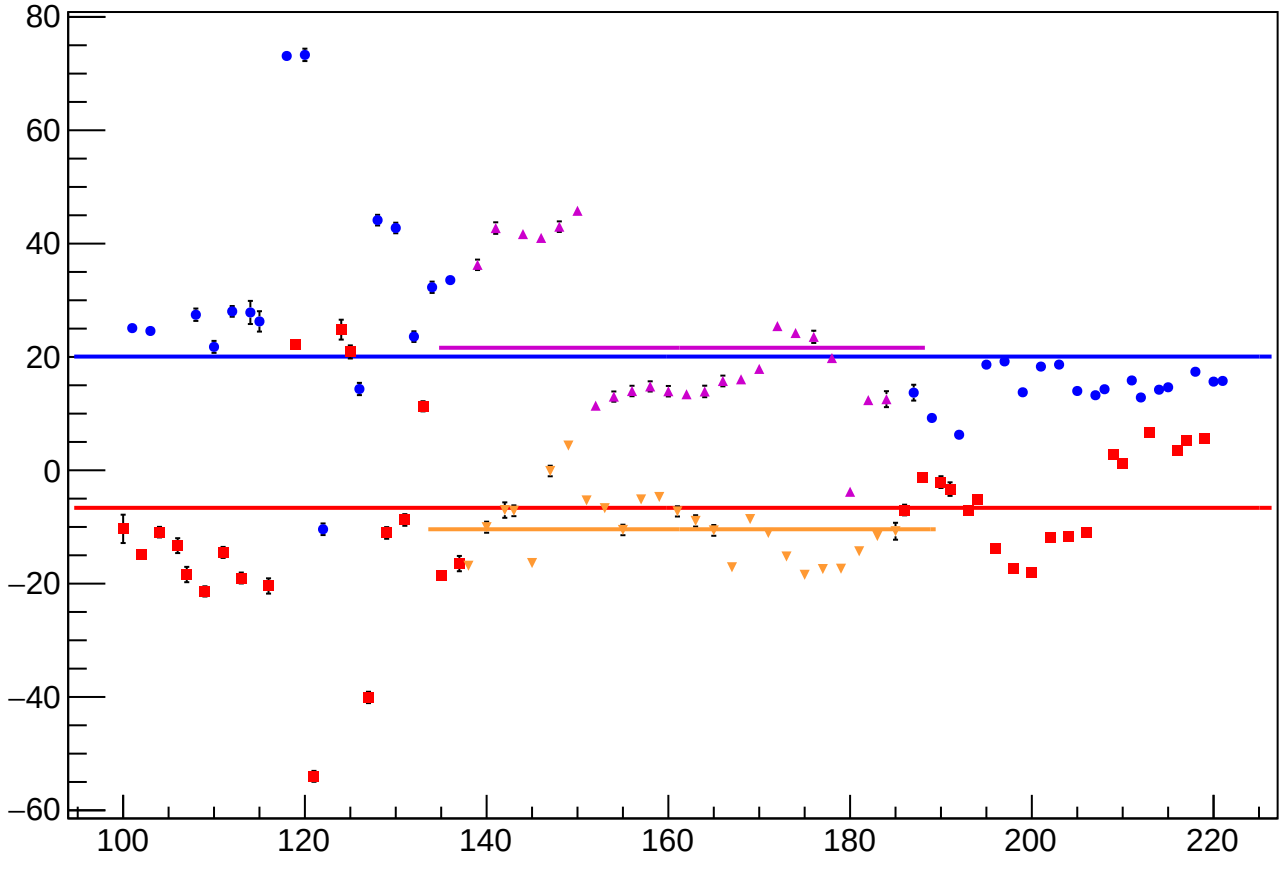
Right Out: 873.580+/-0.134 χ^2/NDF: 433825.4/36

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 889.742+/-0.098 χ^2/NDF: 713522.5/58

All: 890.152+/-0.070 χ^2/NDF: 1358941.1/118

- sign 890.578+/-0.100 χ^2/NDF: 645383.1/59



Right In: 20.066+/-0.131 χ^2/NDF: 10556.8/33

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -6.625+/-0.132 χ^2/NDF: 9904.7/36

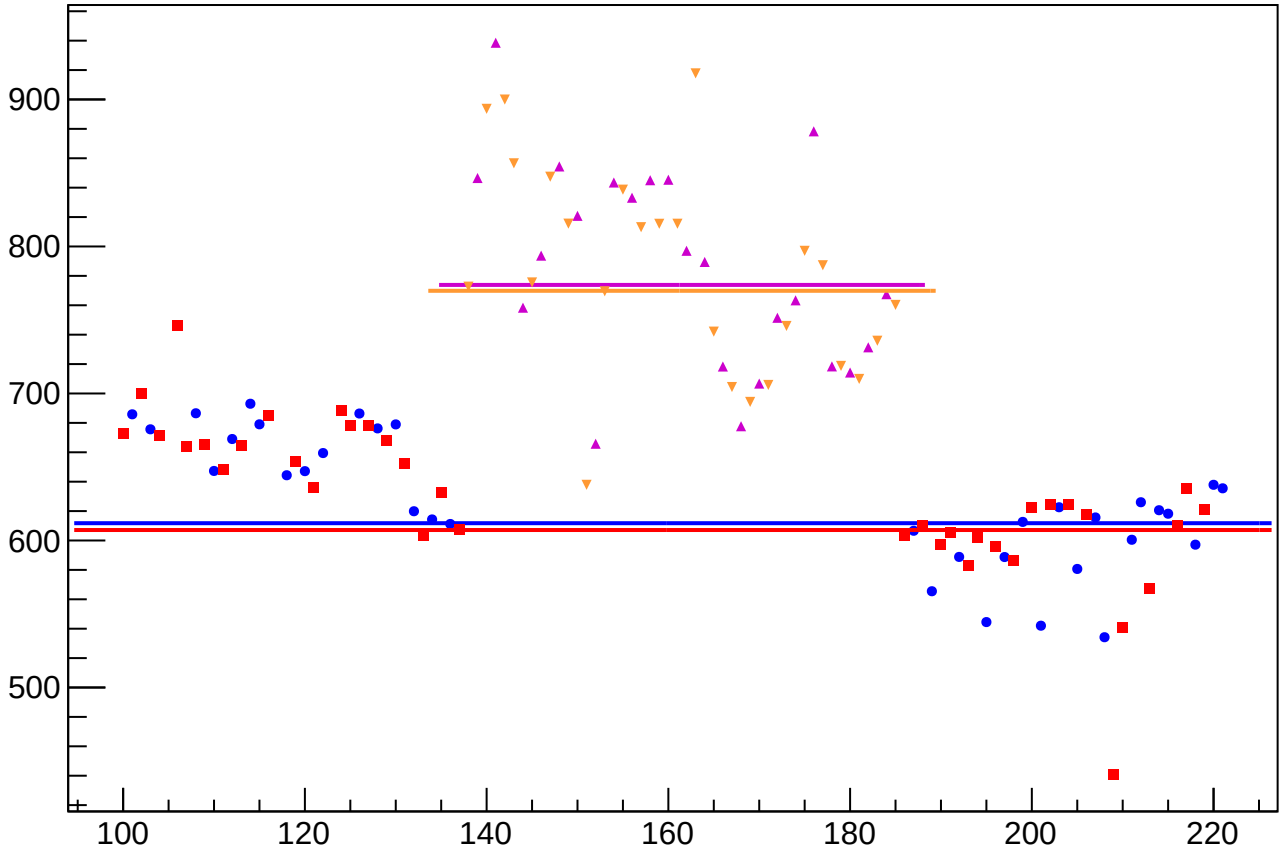
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

\+ sign 9.222+/-0.105 χ^2/NDF: 30907.9/58

All: 6.196+/-0.075 χ^2/NDF: 63567.5/118

\- sign 3.075+/-0.107 χ^2/NDF: 30972.4/59

diff_bpm1i04Y_rms vs Slug



Right In: 611.767+/-0.093 χ^2/NDF: 203882.3/33

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

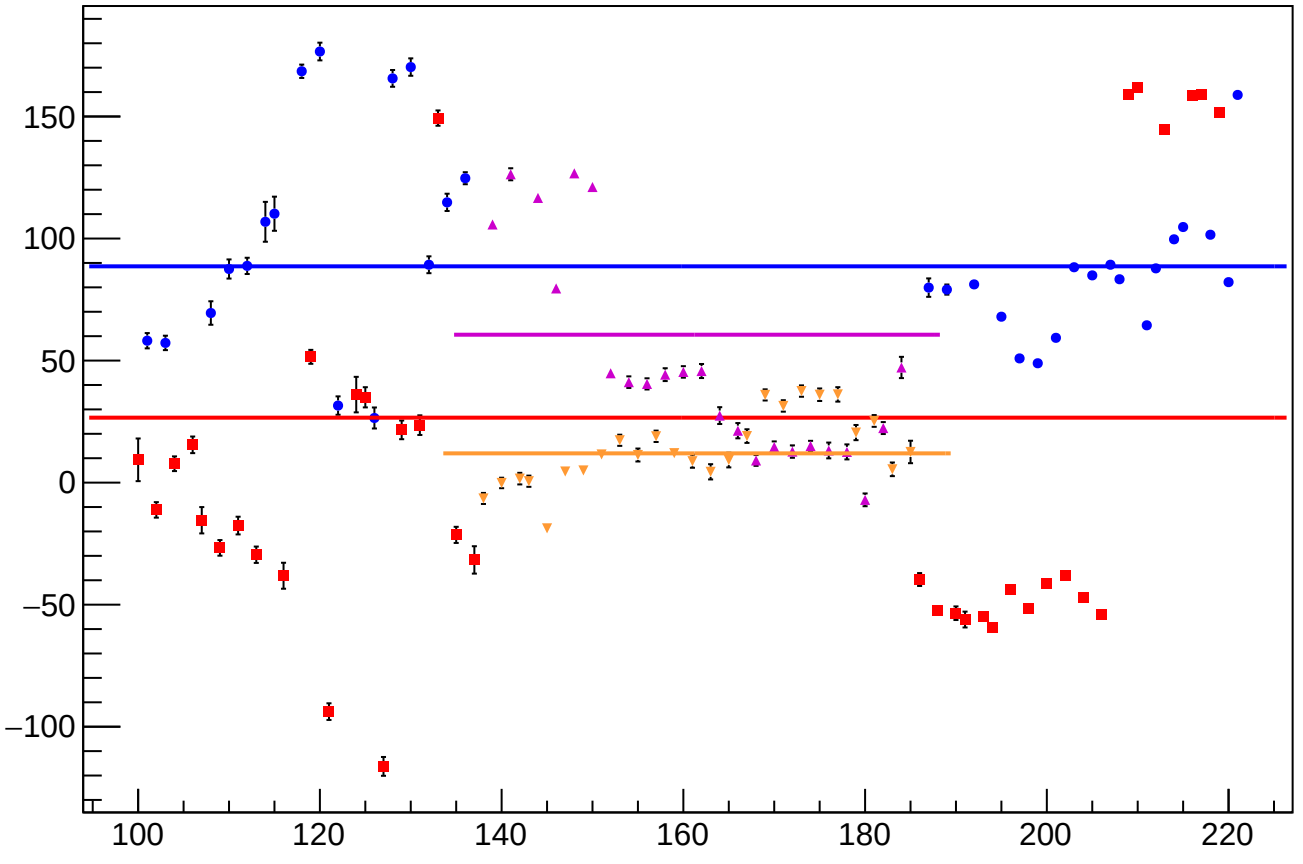
Right Out: 607.123+/-0.093 χ^2/NDF: 413641.7/36

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 668.024+/-0.074 χ^2/NDF: 1547715.4/58

All: 666.230+/-0.053 χ^2/NDF: 3348087.7/118

- sign 664.381+/-0.075 χ^2/NDF: 1799186.4/59



Right In: 88.613+/-0.388 χ^2/NDF: 6771.8/33

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 26.615+/-0.388 χ^2/NDF: 59911.7/36

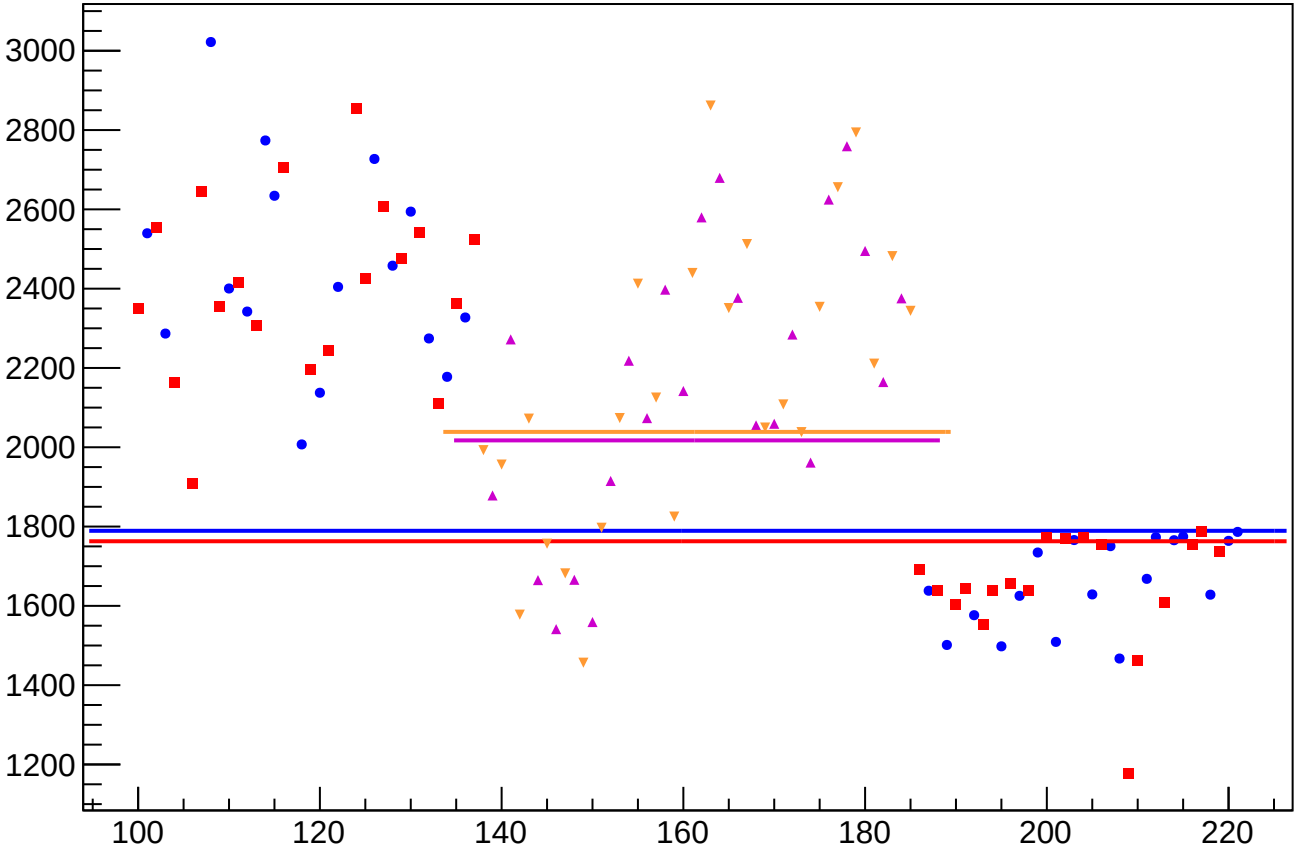
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 57.650+/-0.300 χ^2/NDF: 23453.9/58

All: 48.903+/-0.213 χ^2/NDF: 96743.3/118

- sign 40.021+/-0.302 χ^2/NDF: 71573.3/59

diff_bpm1i06X_rms vs Slug



Right In: 1789.294+/-0.275 χ^2/NDF: 1317562.0/33

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1762.949+/-0.274 χ^2/NDF: 1598710.8/36

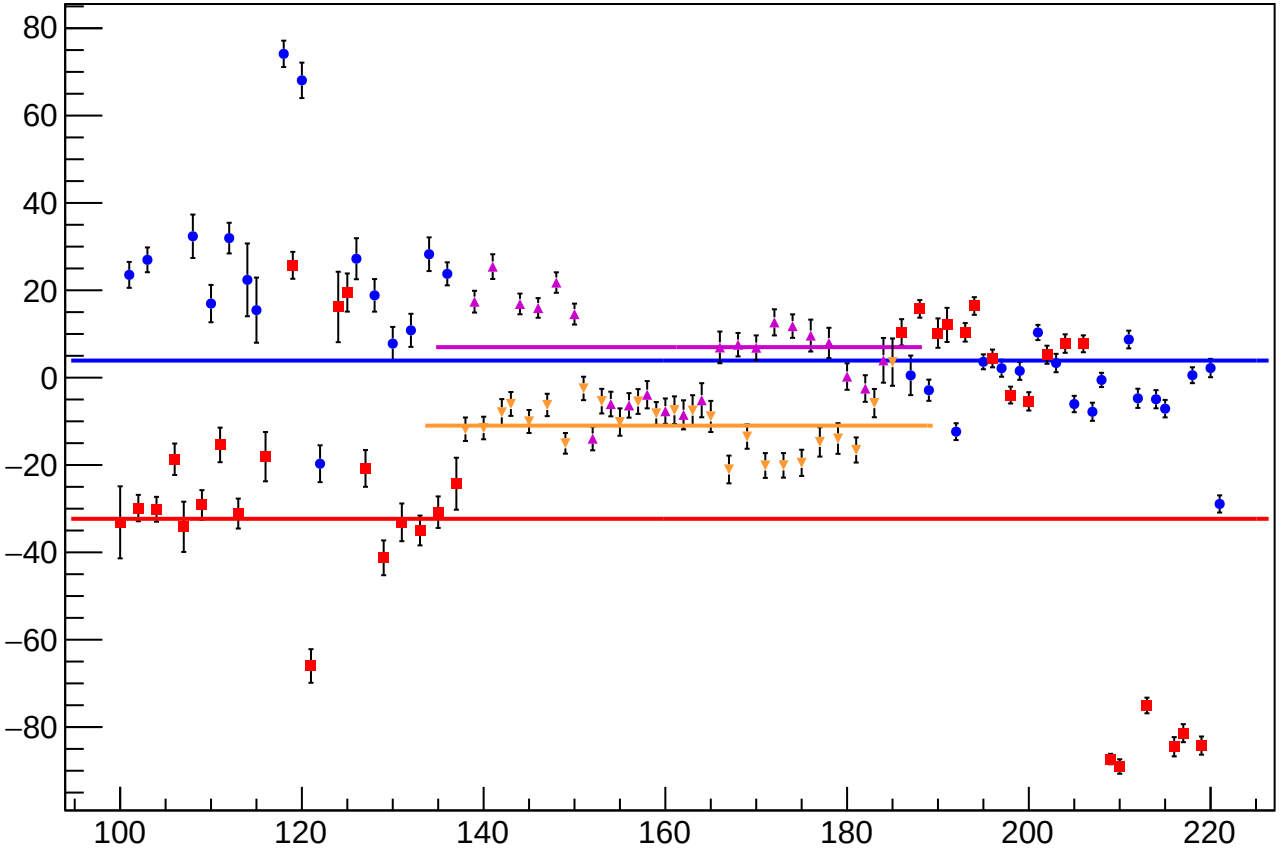
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1890.110+/-0.212 χ^2/NDF: 2774715.9/58

All: 1876.809+/-0.150 χ^2/NDF: 5770238.0/11

- sign 1863.302+/-0.214 χ^2/NDF: 2987584.6/59

diff_bpm1i06Y_mean vs Slug



Right In: 3.913+/-0.421 χ^2/NDF: 1702.3/33

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -32.318+/-0.419 χ^2/NDF: 10121.2/36

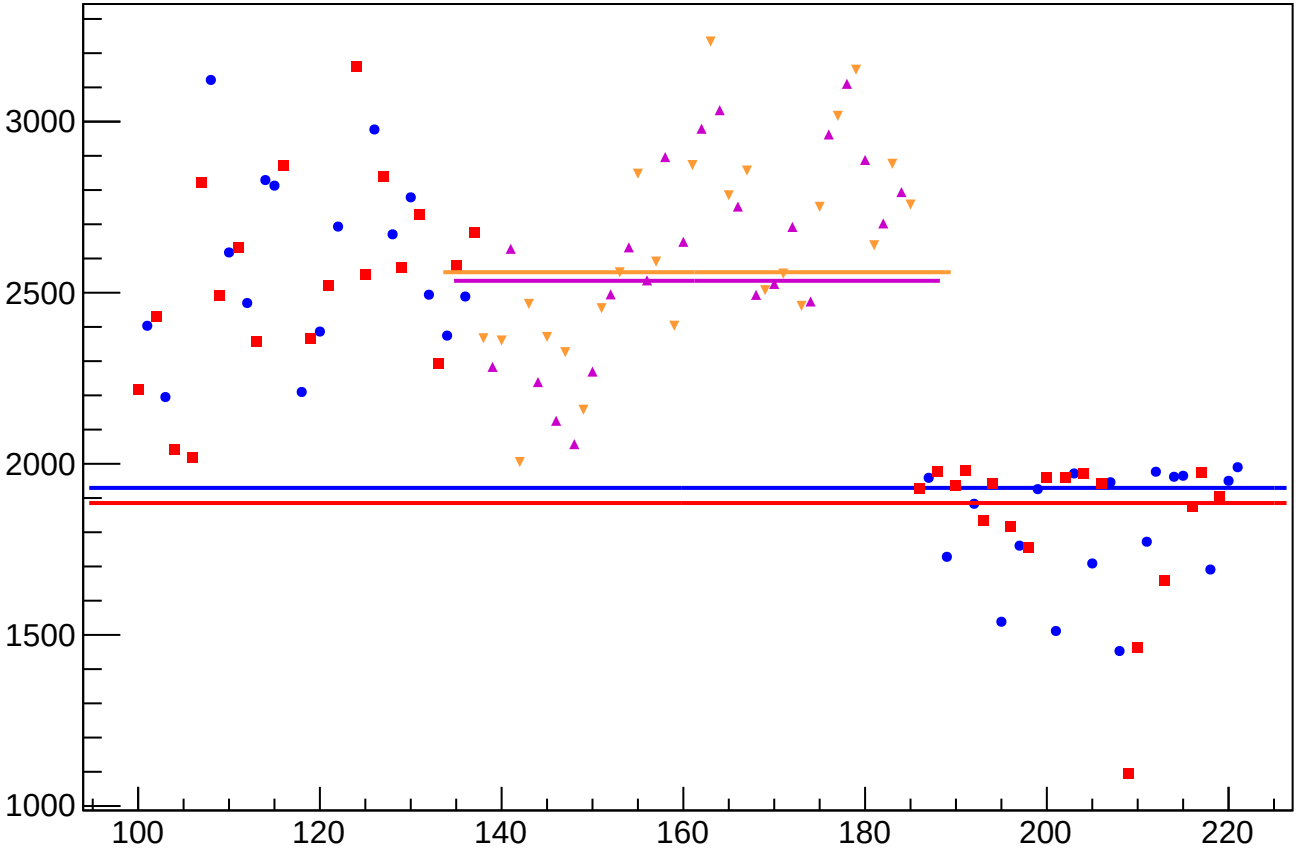
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -1.162+/-0.342 χ^2/NDF: 2216.2/58

All: -10.254+/-0.242 χ^2/NDF: 16991.7/118

- sign -19.405+/-0.343 χ^2/NDF: 13356.7/59

diff_bpm1i06Y_rms vs Slug



Right In: 1929.627+/-0.298 χ^2/NDF: 1380770.2/33

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

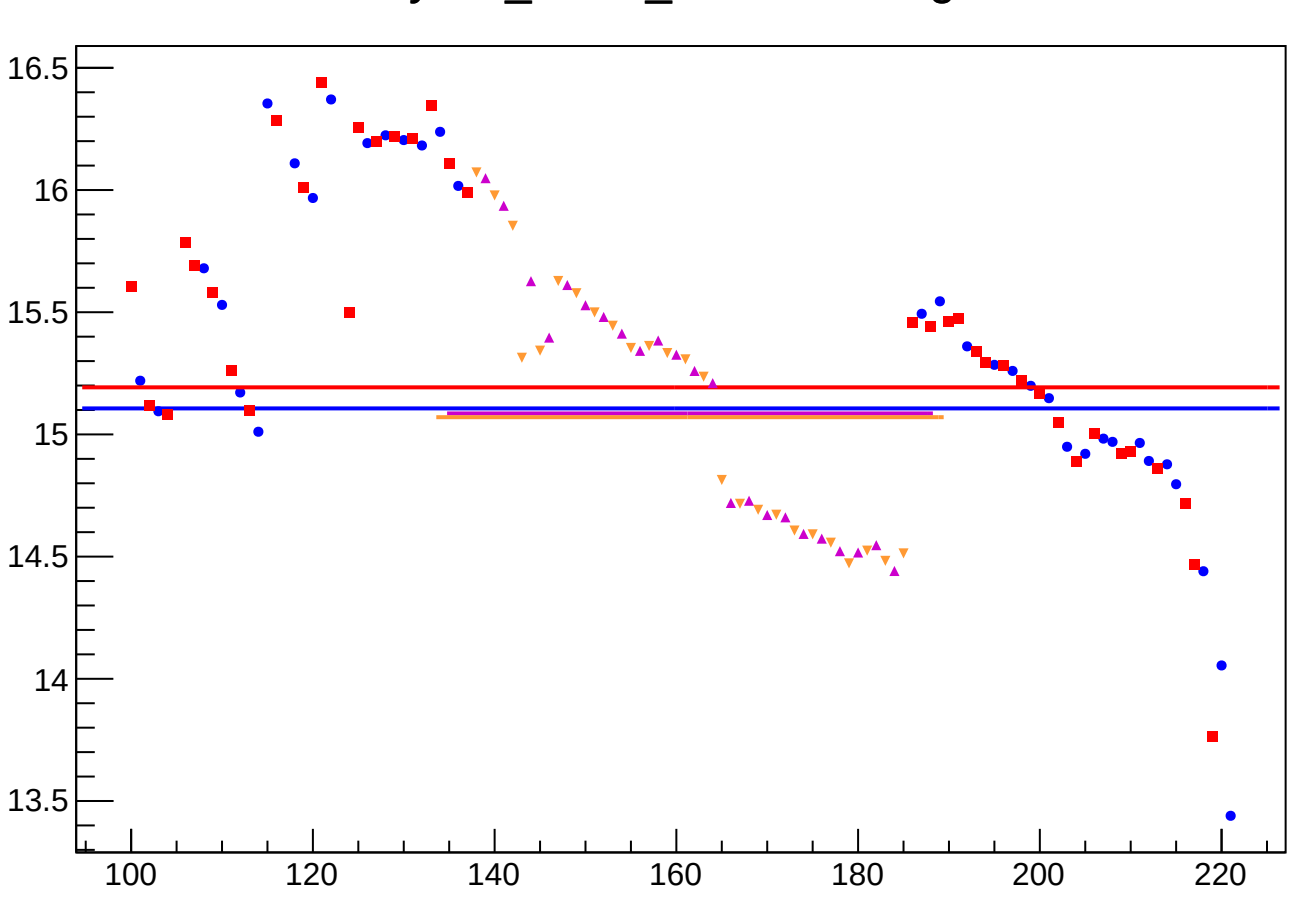
Right Out: 1885.398+/-0.296 χ^2/NDF: 2009979.9/36

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2144.313+/-0.242 χ^2/NDF: 3357259.5/58

All: 2121.608+/-0.171 χ^2/NDF: 7429683.4/11

- sign 2098.756+/-0.243 χ^2/NDF: 4054730.0/59



Right In: 15.106+/-0.000 χ^2/NDF: 73634712459.3/33

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.193+/-0.000 χ^2/NDF: 50772014696.4/36

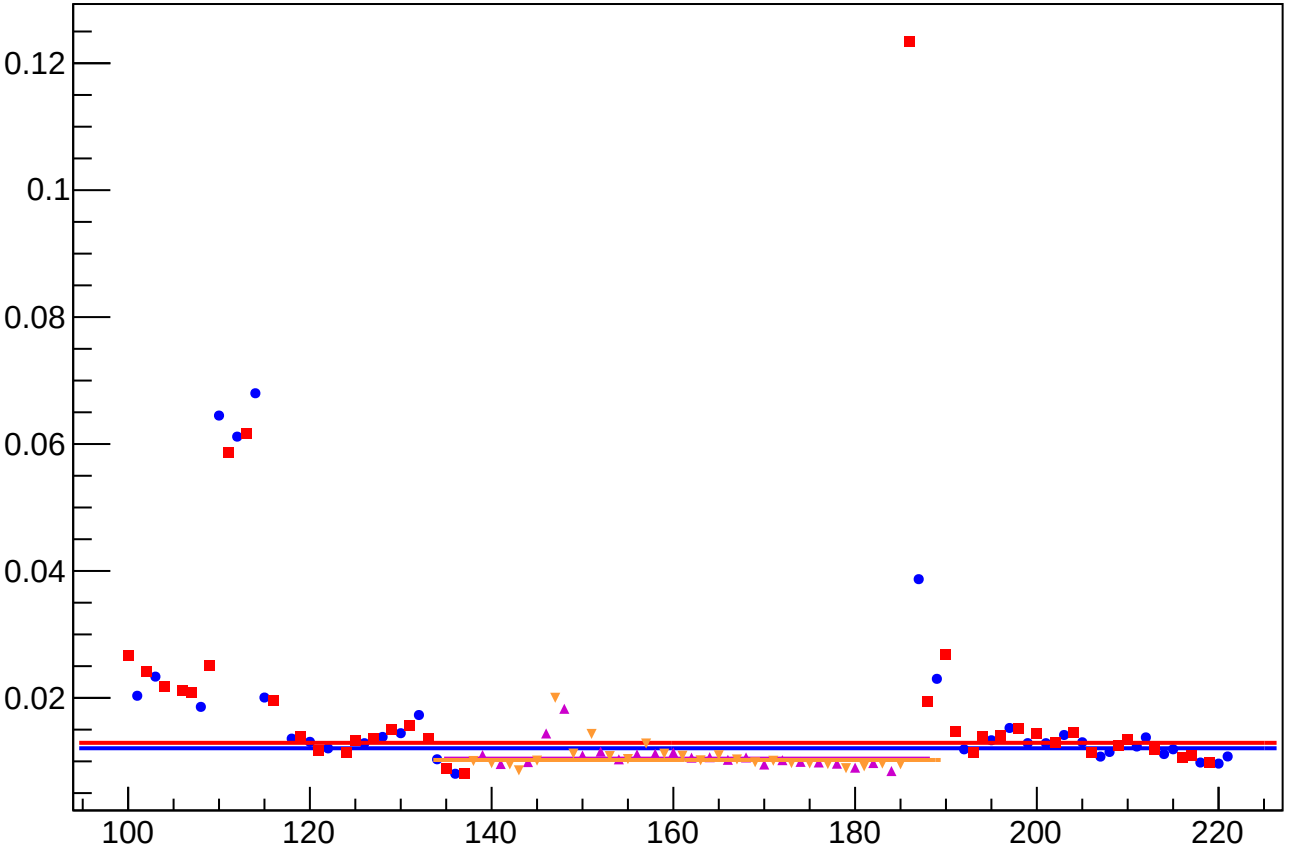
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.086+/-0.000 χ^2/NDF: 117450285611.2/58

All: 15.106+/-0.000 χ^2/NDF: 208745337077.

- sign 15.130+/-0.000 χ^2/NDF: 91020084121.8/59

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3153854.6/33

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3754980.5/36

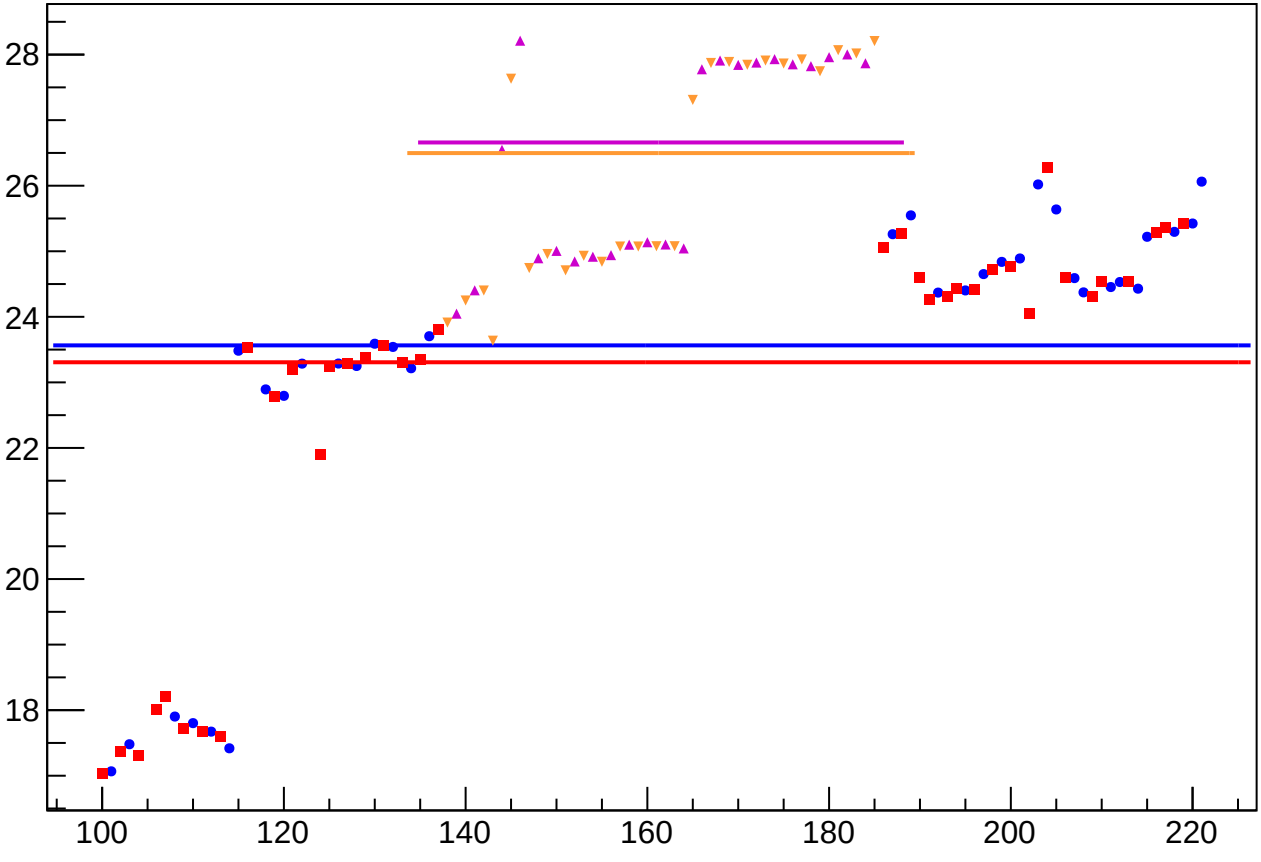
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4427076.6/58

All: 0.011+/-0.000 χ^2/NDF: 9642791.6/118

- sign 0.011+/-0.000 χ^2/NDF: 5160570.4/59

yield_sam2_mean vs Slug



Right In: 23.564+/-0.000 χ^2/NDF: 1949863081.0/33

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.307+/-0.000 χ^2/NDF: 1935764835.7/36

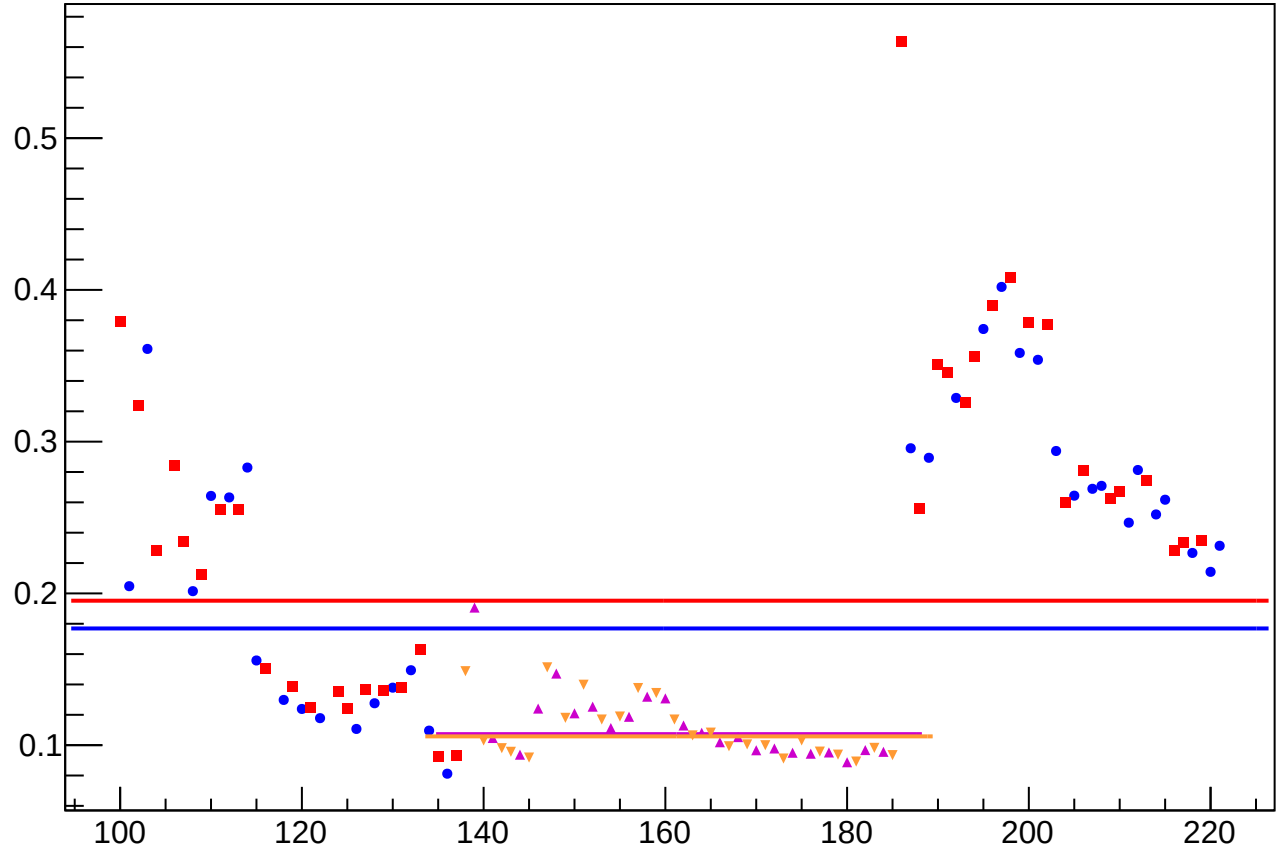
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.722+/-0.000 χ^2/NDF: 9231988301.8/58

All: 25.778+/-0.000 χ^2/NDF: 17805200391.1

- sign 25.840+/-0.000 χ^2/NDF: 8560031690.1/59

yield_sam2_rms vs Slug



Right In: 0.177+/-0.000 χ^2/NDF: 7852281.9/33

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.195+/-0.000 χ^2/NDF: 6801167.8/36

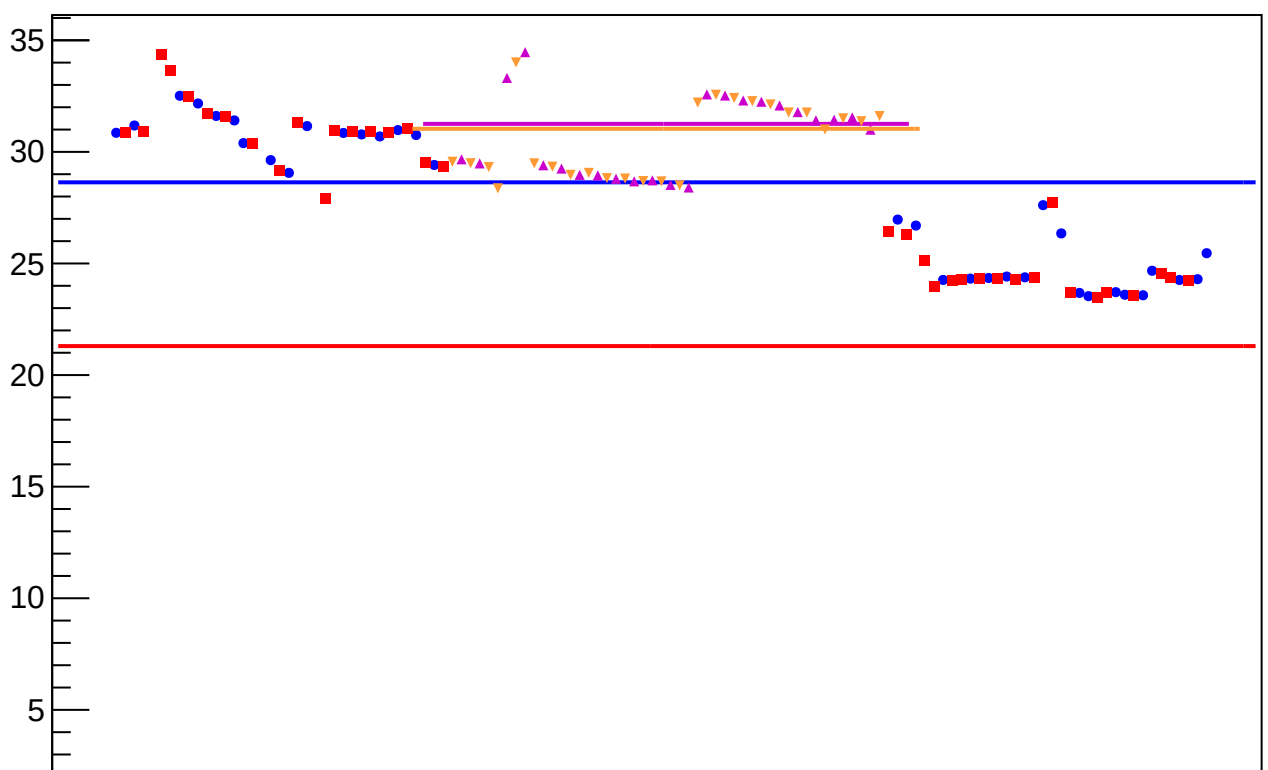
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.125+/-0.000 χ^2/NDF: 12573329.8/58

All: 0.127+/-0.000 χ^2/NDF: 25408220.5/118

- sign 0.129+/-0.000 χ^2/NDF: 12801779.8/59

yield_sam3_mean vs Slug



Right In: 28.636+/-0.000 χ^2/NDF: 10052715081.7/33

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.299+/-0.000 χ^2/NDF: 227094085033.1/36

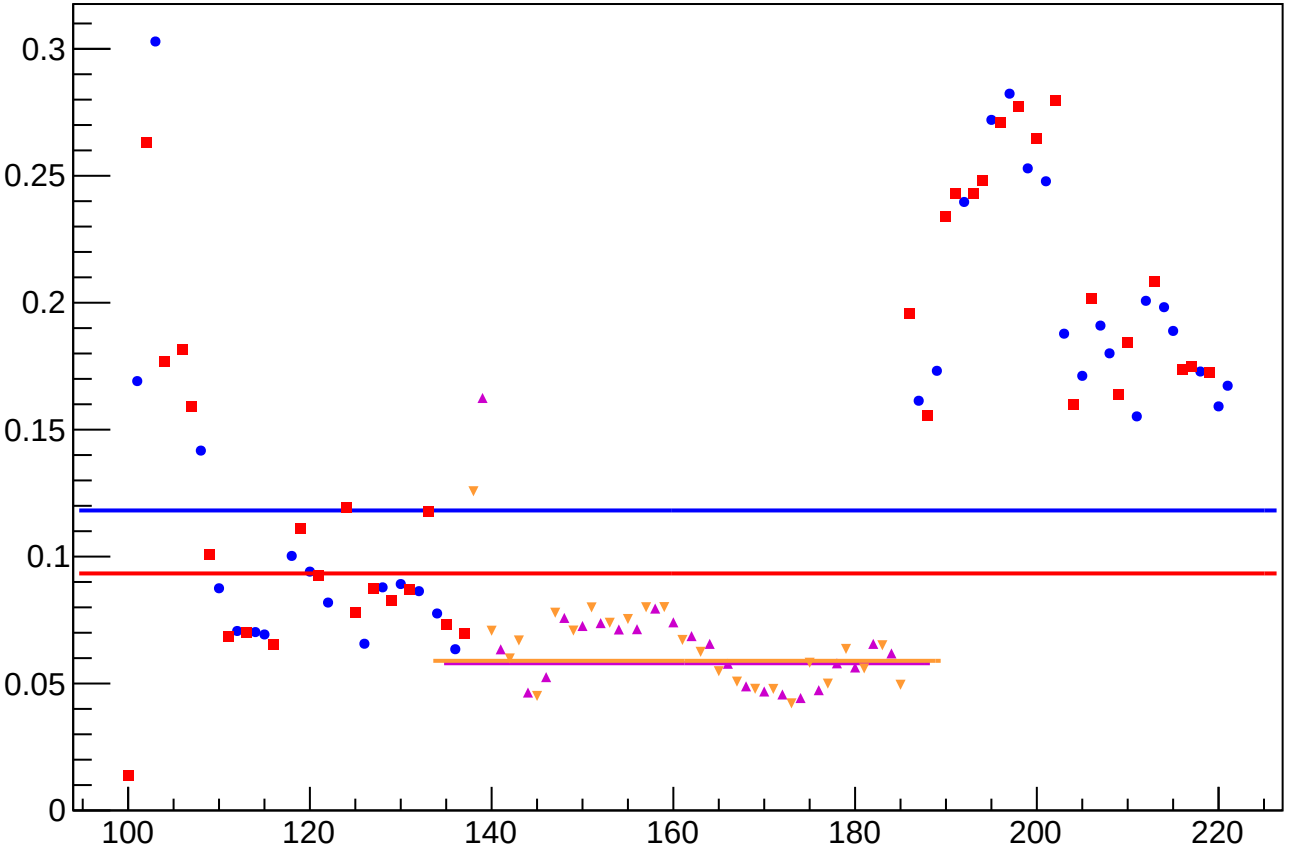
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.524+/-0.000 χ^2/NDF: 27200401381.0/58

All: 29.600+/-0.000 χ^2/NDF: 381318538662.

- sign 28.694+/-0.000 χ^2/NDF: 344916338060.4/59

yield_sam3_rms vs Slug



Right In: 0.118+/-0.000 χ^2/NDF: 8042637.7/33

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.093+/-0.000 χ^2/NDF: 14482435.3/36

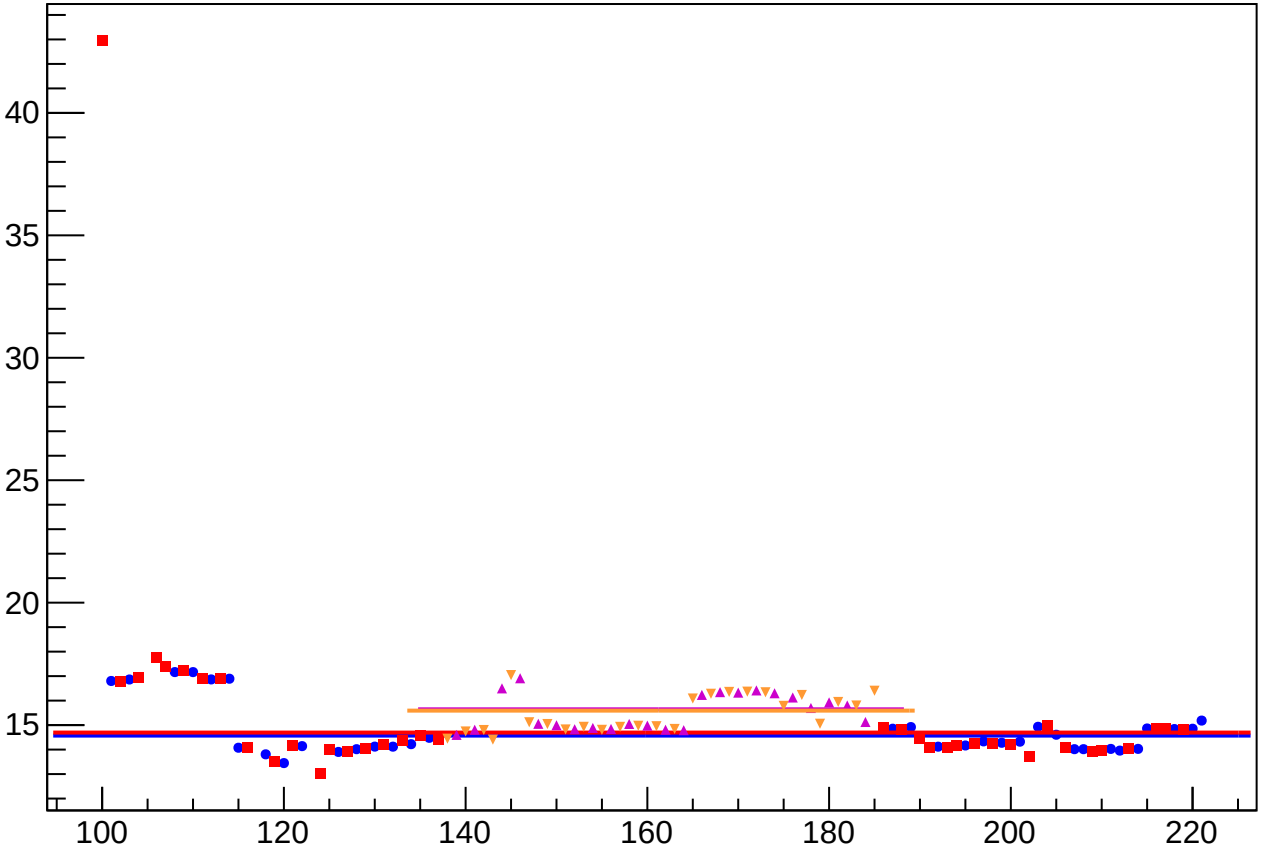
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.072+/-0.000 χ^2/NDF: 15978137.2/58

All: 0.069+/-0.000 χ^2/NDF: 34943562.0/118

- sign 0.067+/-0.000 χ^2/NDF: 18855505.3/59

yield_sam4_mean vs Slug



Right In: 14.572+/-0.000 χ^2/NDF: 1292102815.4/33

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.695+/-0.000 χ^2/NDF: 1876362459.9/36

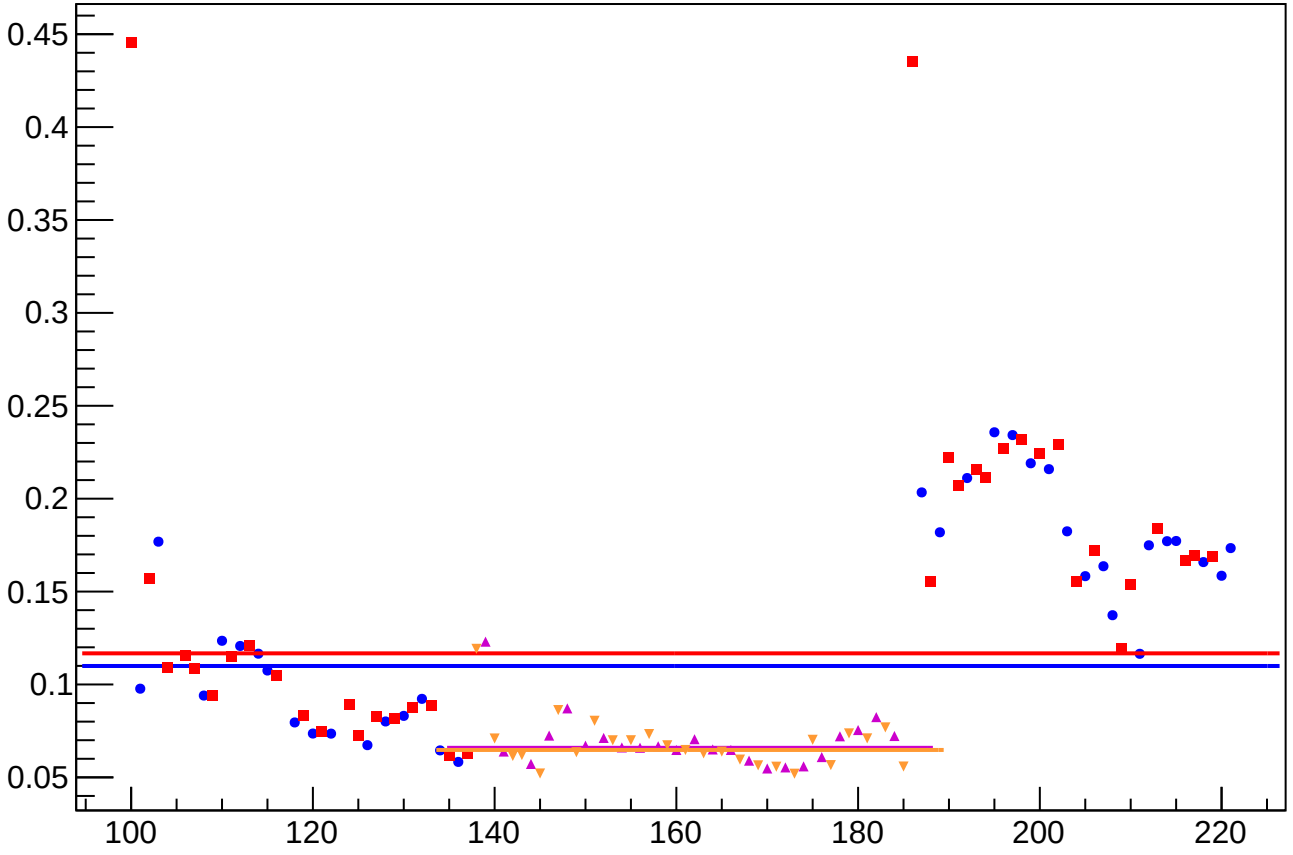
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.320+/-0.000 χ^2/NDF: 4630502028.3/58

All: 15.358+/-0.000 χ^2/NDF: 9214717182.5/1

- sign 15.400+/-0.000 χ^2/NDF: 4568140777.7/59

yield_sam4_rms vs Slug



Right In: 0.110+/-0.000 χ^2/NDF: 7155031.7/33

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.117+/-0.000 χ^2/NDF: 6435746.8/36

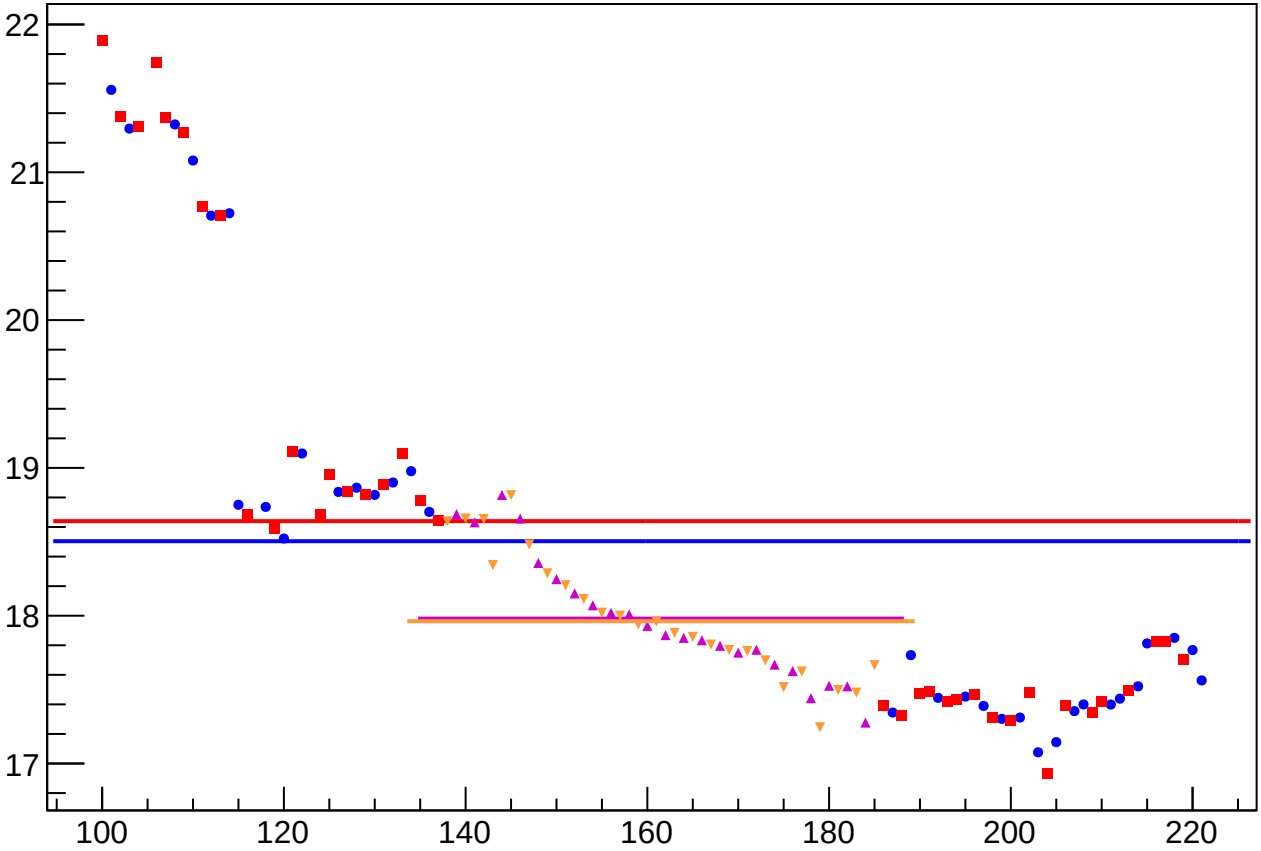
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.077+/-0.000 χ^2/NDF: 12258077.5/58

All: 0.078+/-0.000 χ^2/NDF: 24284831.7/118

- sign 0.079+/-0.000 χ^2/NDF: 12001386.6/59

yield_sam5_mean vs Slug



Right In: 18.504+/-0.000 χ^2/NDF: 36226544638.4/33

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.640+/-0.000 χ^2/NDF: 38373745663.1/36

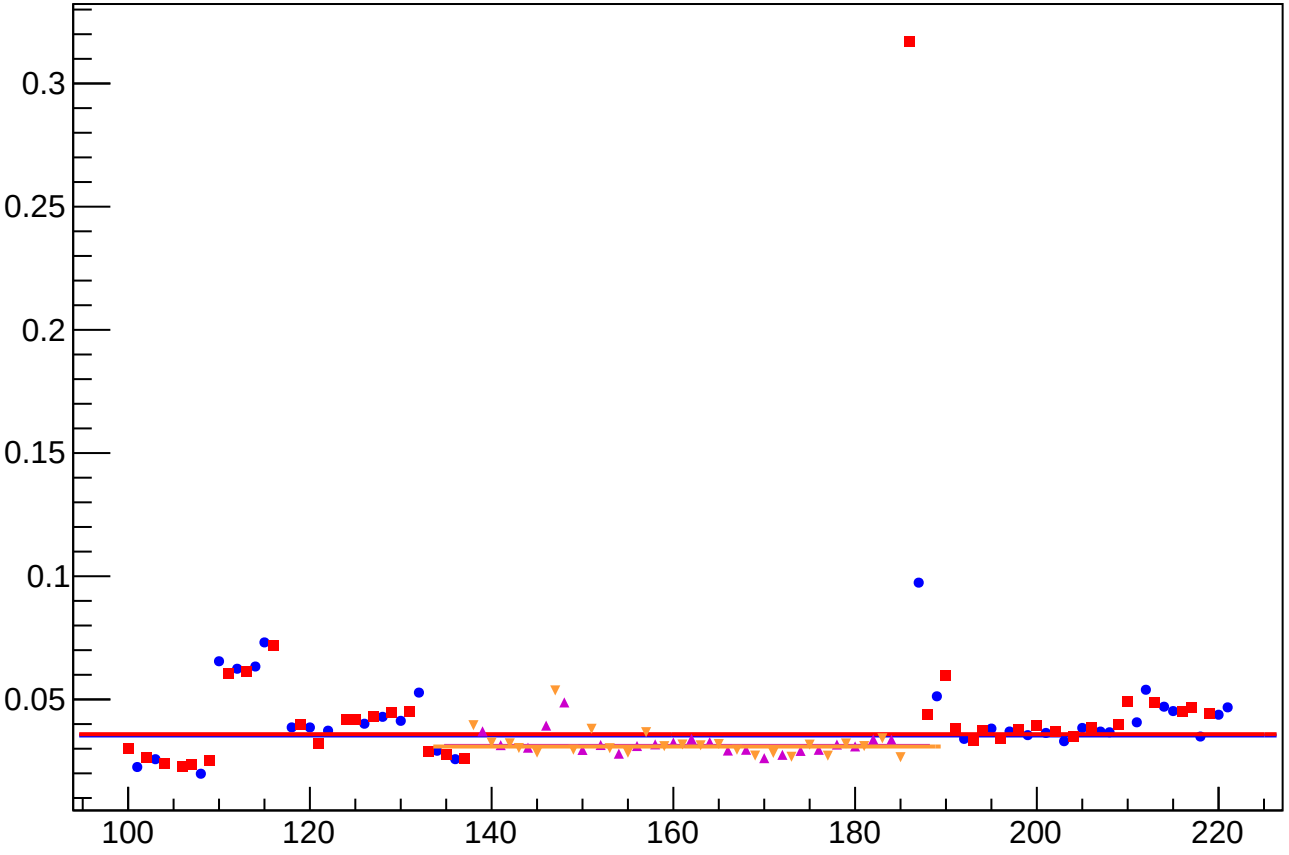
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.206+/-0.000 χ^2/NDF: 41791286581.6/58

All: 18.241+/-0.000 χ^2/NDF: 86479532009.8

- sign 18.278+/-0.000 χ^2/NDF: 44600343346.1/59

yield_sam5_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 2648908.7/33

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2806822.8/36

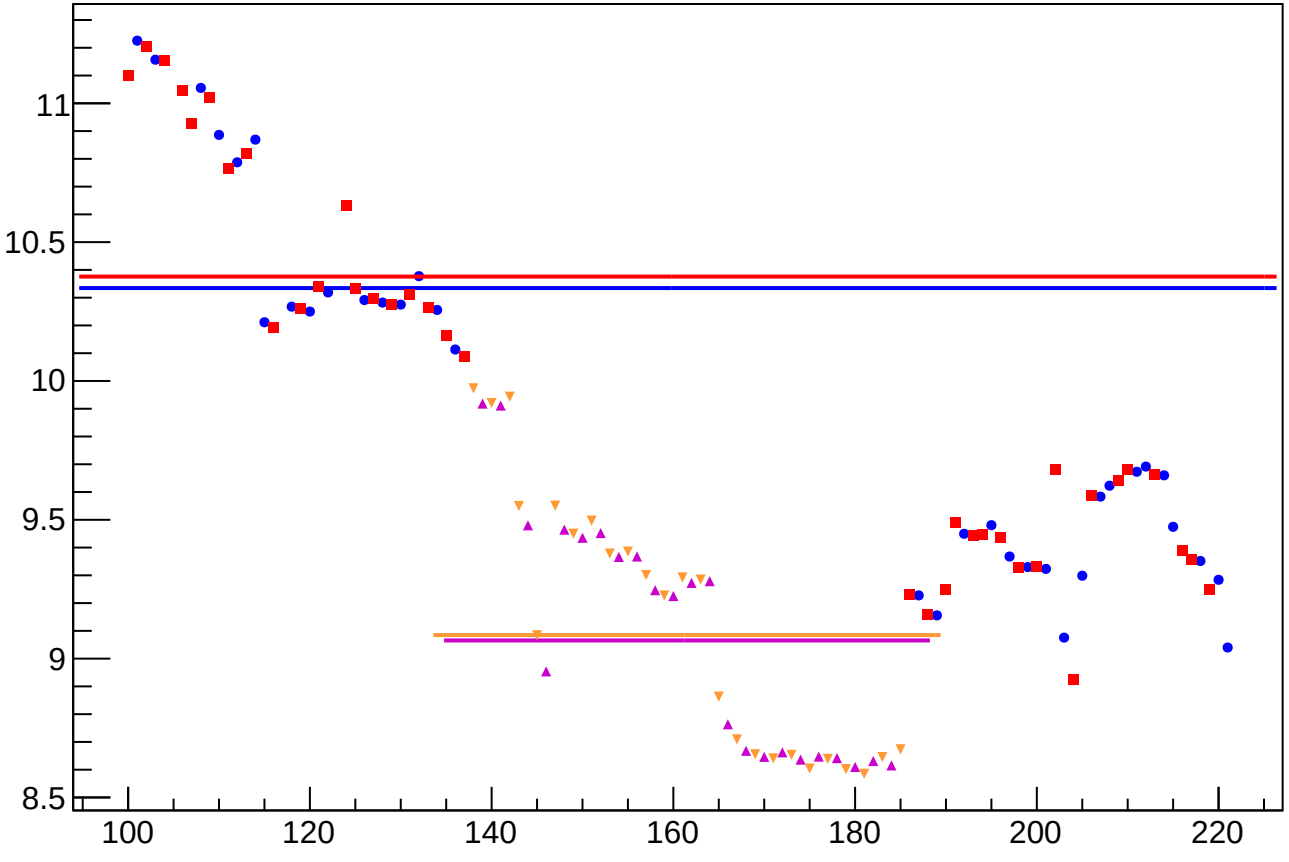
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.033+/-0.000 χ^2/NDF: 3628032.3/58

All: 0.033+/-0.000 χ^2/NDF: 7288372.7/118

- sign 0.033+/-0.000 χ^2/NDF: 3655365.2/59

yield_sam6_mean vs Slug



Right In: 10.335+/-0.000 χ^2/NDF: 20977197311.8/33

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.376+/-0.000 χ^2/NDF: 17540532924.1/36

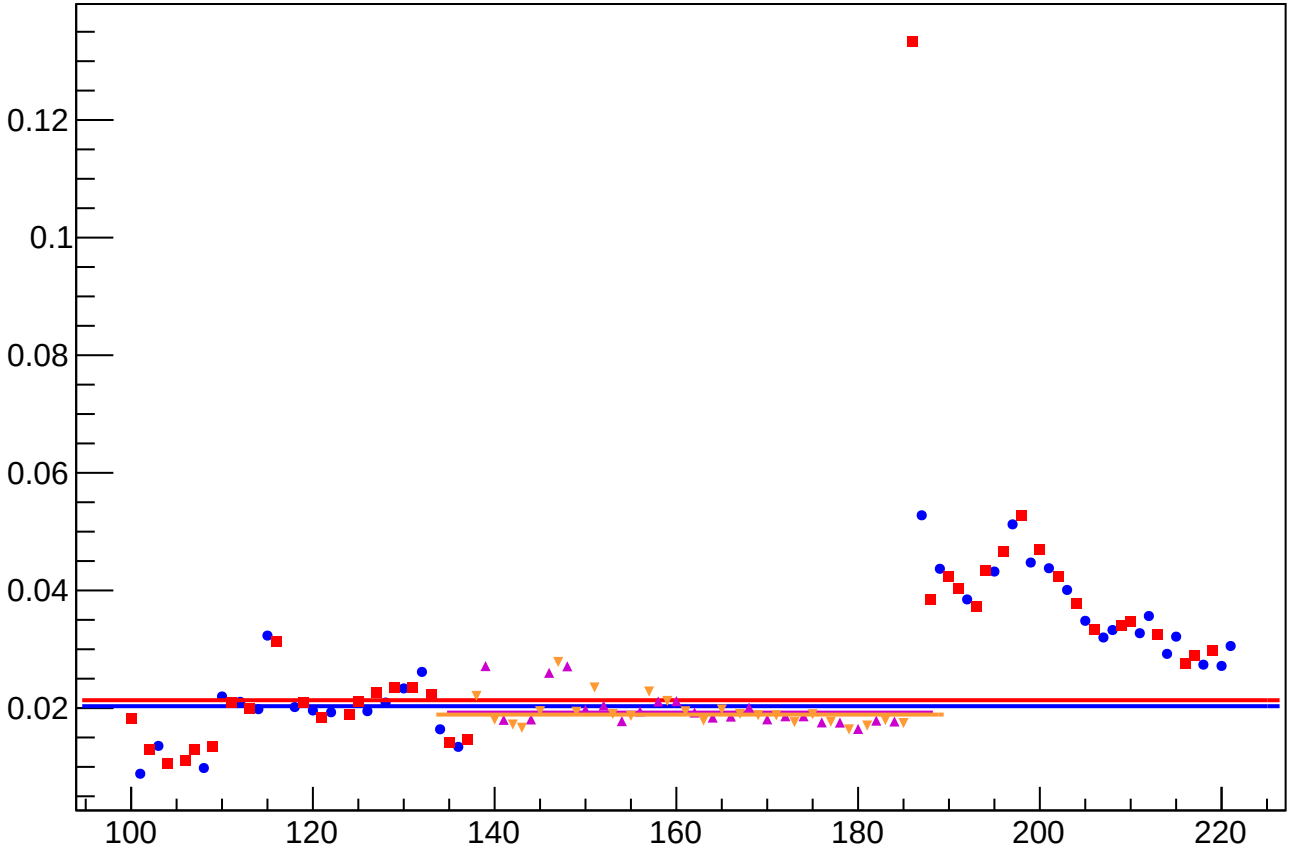
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.641+/-0.000 χ^2/NDF: 65455074847.0/58

All: 9.644+/-0.000 χ^2/NDF: 125130207915.7

- sign 9.646+/-0.000 χ^2/NDF: 59674283636.7/59

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 8898200.1/33

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 8279438.3/36

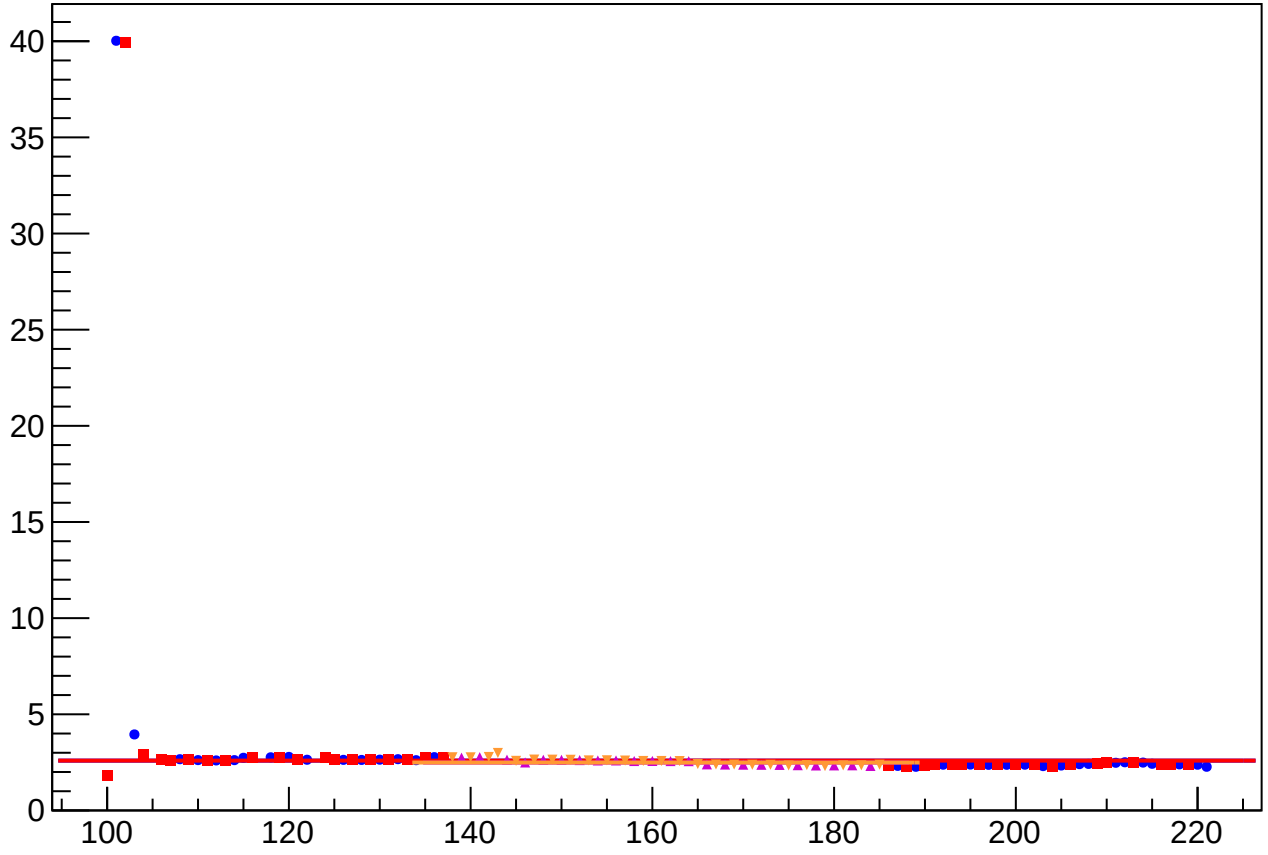
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.020+/-0.000 χ^2/NDF: 9428617.8/58

All: 0.020+/-0.000 χ^2/NDF: 18458961.2/118

- sign 0.020+/-0.000 χ^2/NDF: 8996257.9/59

yield_sam7_mean vs Slug



Right In: 2.591+/-0.000 χ^2/NDF: 99554677884.9/33

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.592+/-0.000 χ^2/NDF: 90899825682.1/36

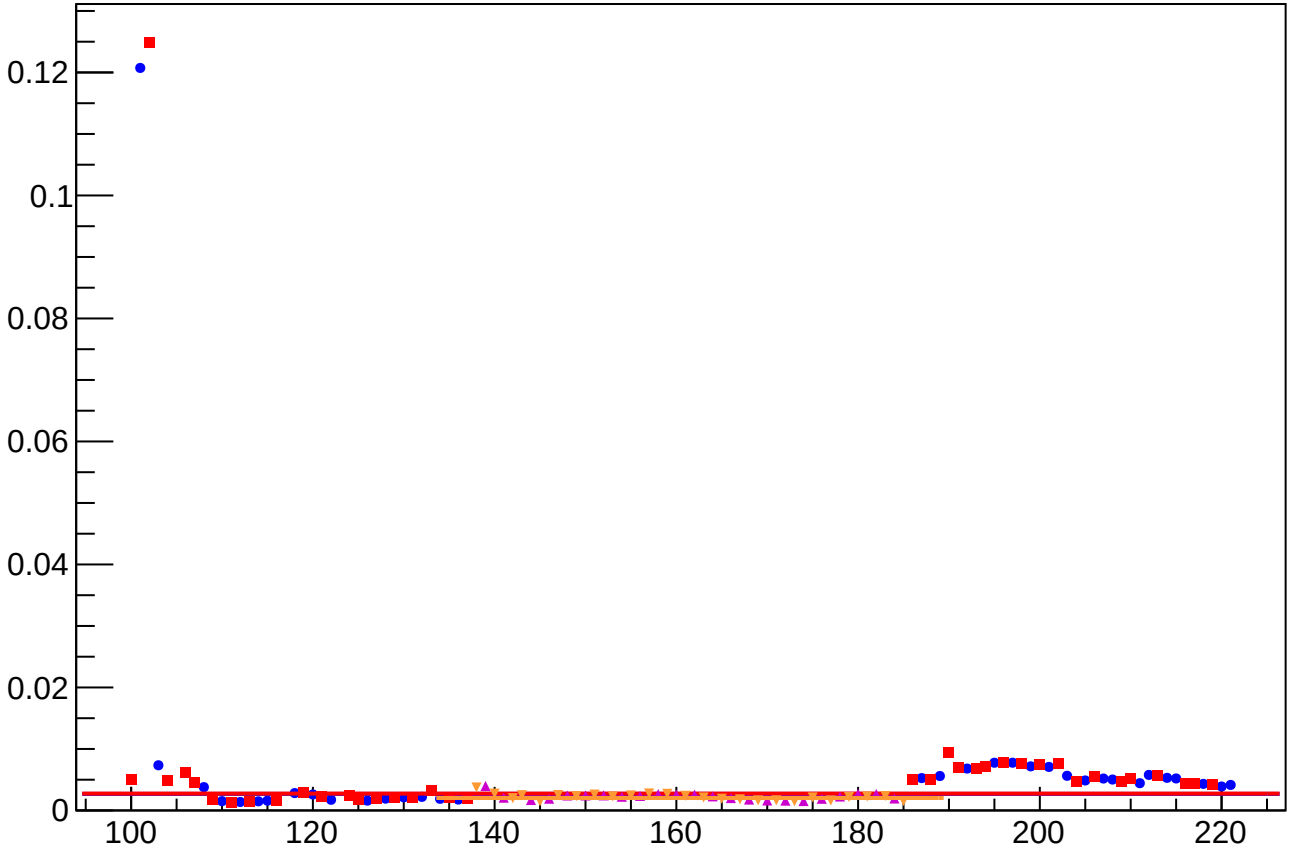
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.525+/-0.000 χ^2/NDF: 204636944787.6/58

All: 2.525+/-0.000 χ^2/NDF: 369564038717.5

- sign 2.525+/-0.000 χ^2/NDF: 164926196664.6/59

yield_sam7_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11511345.8/33

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

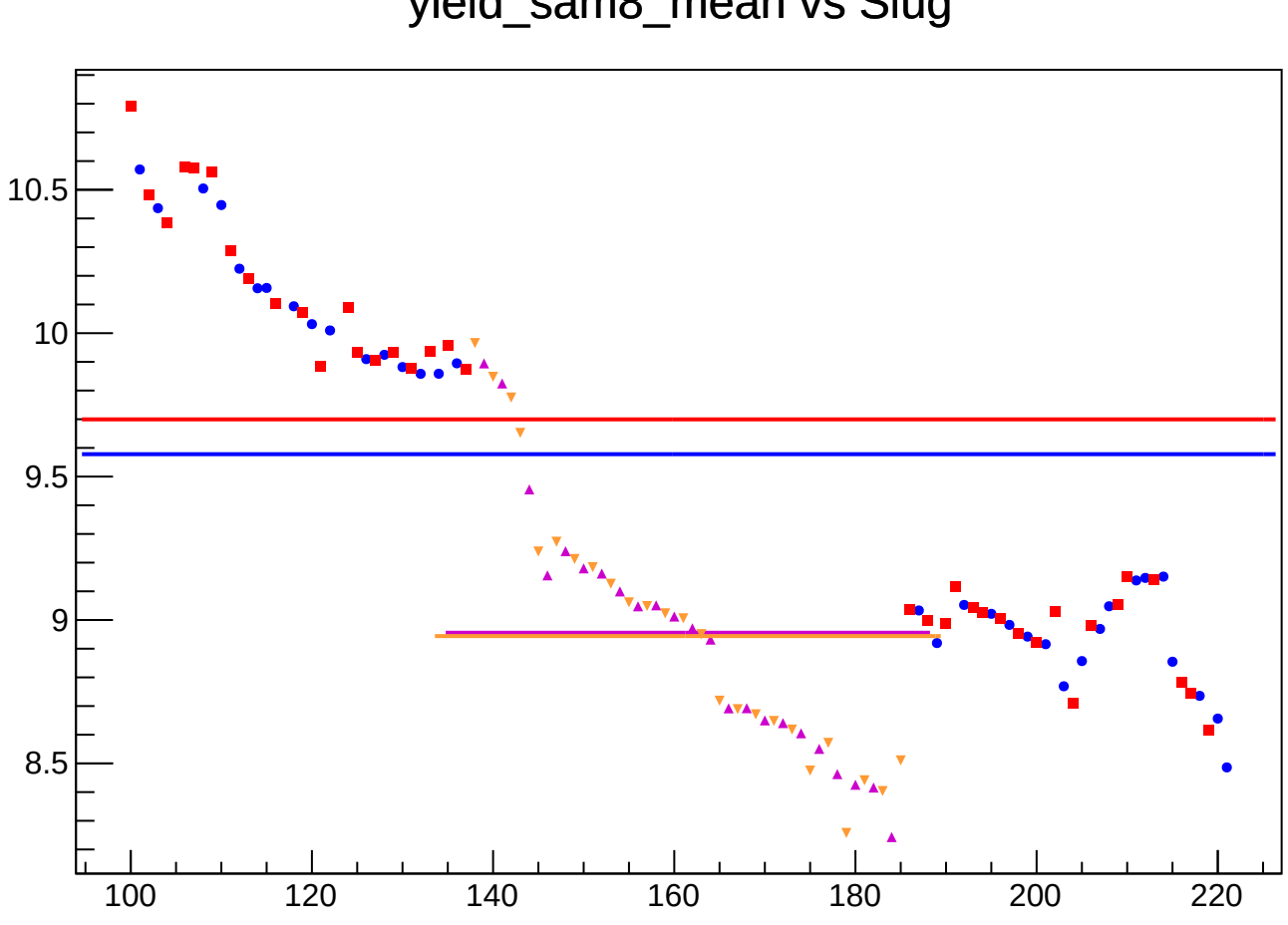
Right Out: 0.003+/-0.000 χ^2/NDF: 12069593.0/36

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 14223628.9/58

All: 0.002+/-0.000 χ^2/NDF: 28800845.4/118

- sign 0.002+/-0.000 χ^2/NDF: 14564108.3/59



Right In: 9.578+/-0.000 χ^2/NDF: 142510006612.0/33

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.700+/-0.000 χ^2/NDF: 131162306869.6/36

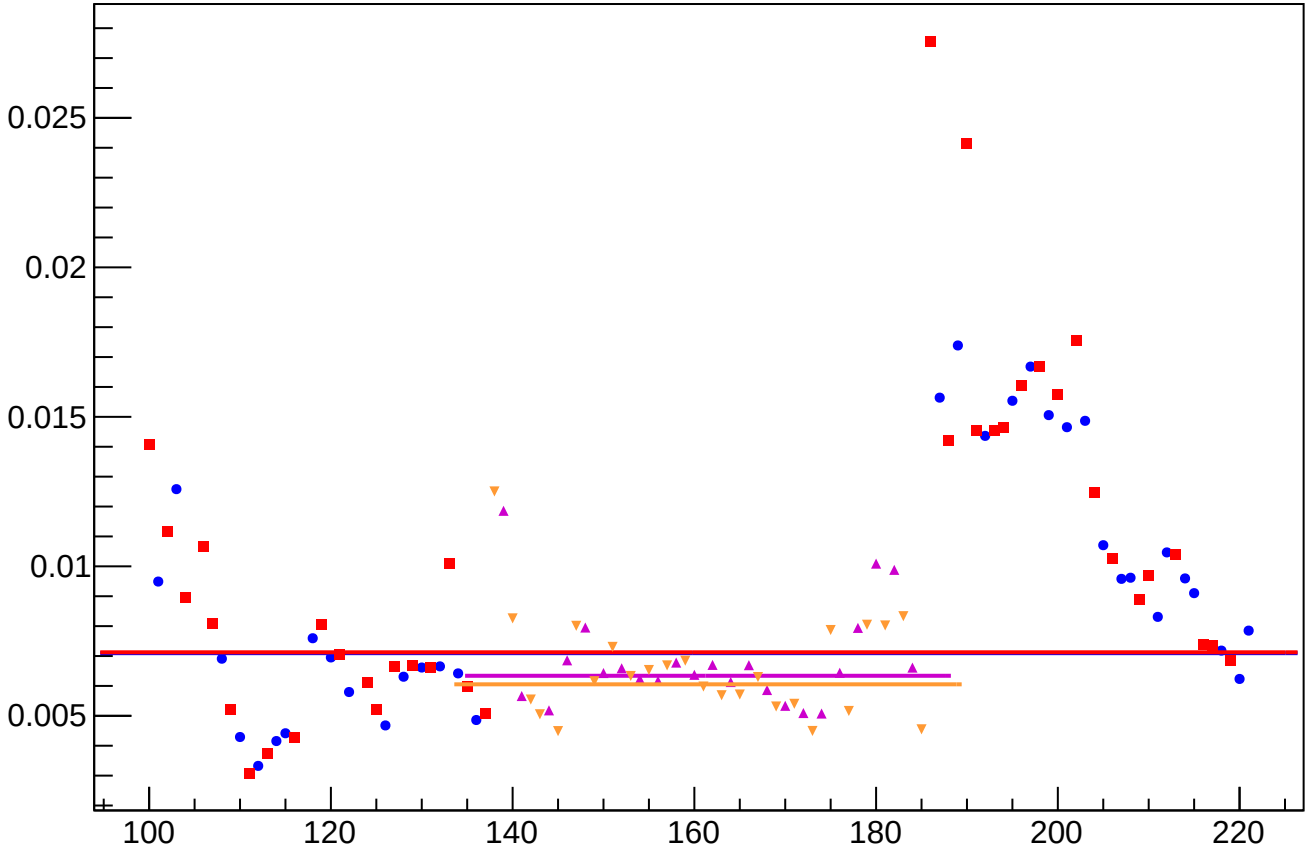
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.227+/-0.000 χ^2/NDF: 283176495486.9/58

All: 9.261+/-0.000 χ^2/NDF: 560478642338.9

- sign 9.300+/-0.000 χ^2/NDF: 275427756363.6/59

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6749353.6/33

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8347375.2/36

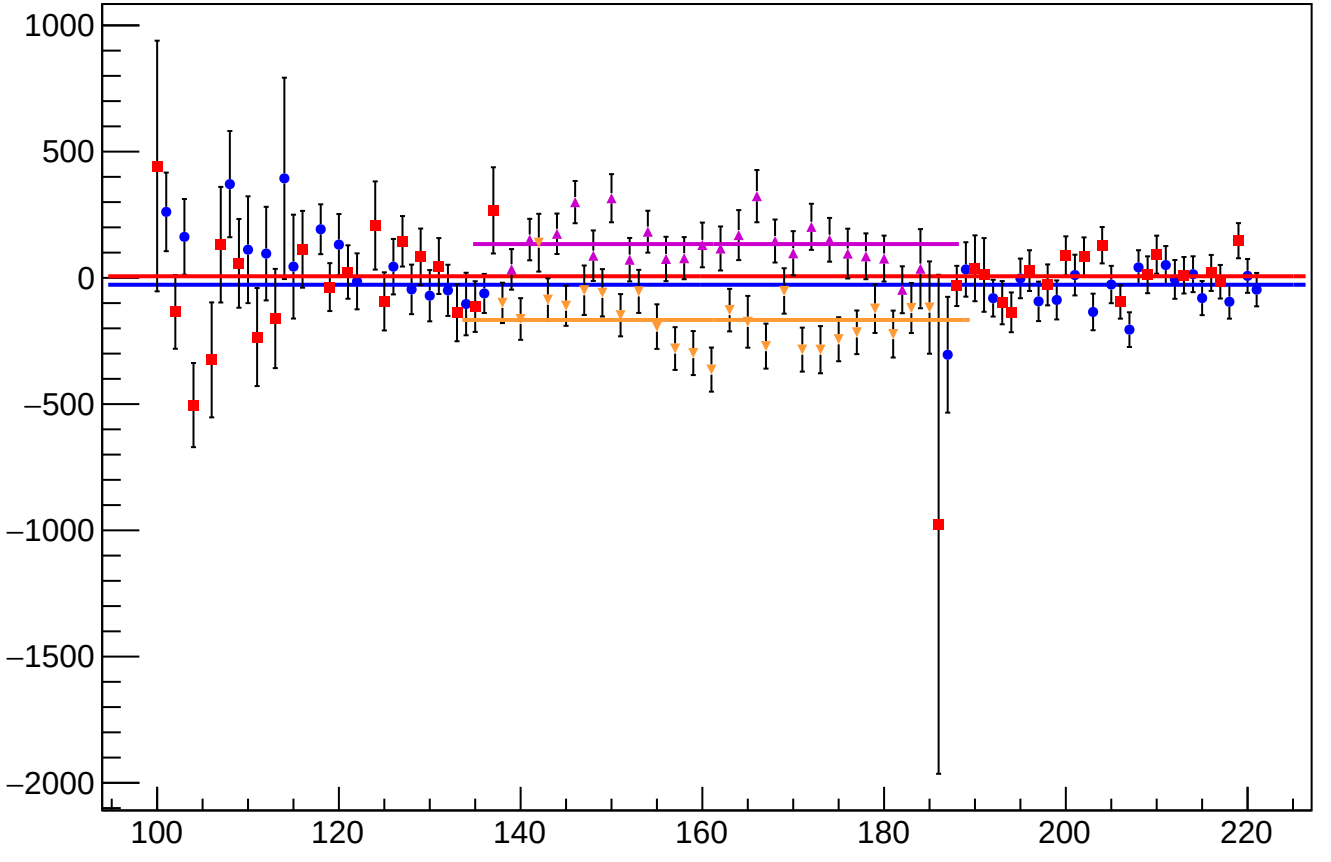
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 8614360.8/58

All: 0.007+/-0.000 χ^2/NDF: 18367645.1/118

- sign 0.007+/-0.000 χ^2/NDF: 9729269.9/59

reg_asym_sam1_mean vs Slug



Right In: -27.324+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 6.347+/-16.114 χ^2/NDF: 45.9/36

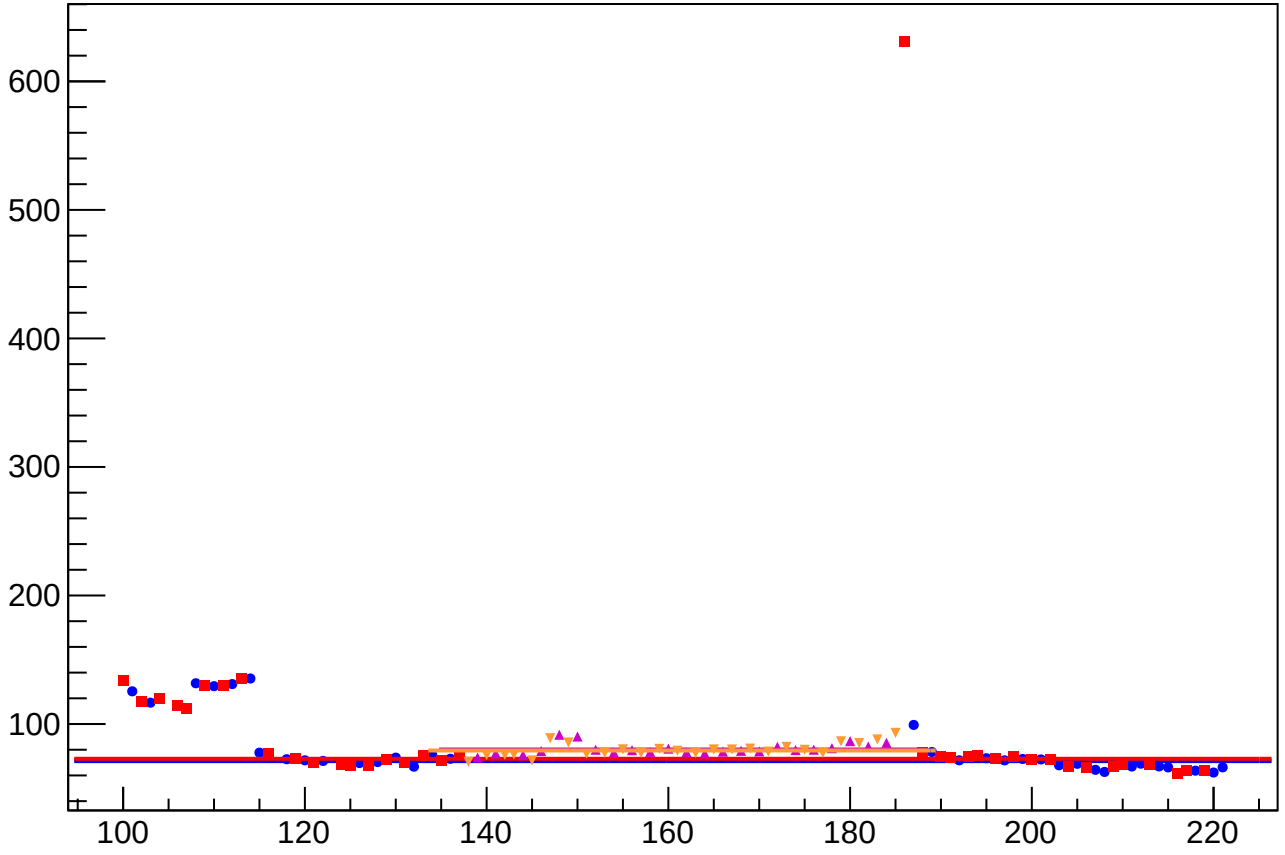
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -85.767+/-11.708 χ^2/NDF: 102.2/58

All: -15.782+/-8.455 χ^2/NDF: 270.1/118

- sign 60.493+/-12.223 χ^2/NDF: 93.2/59

reg_asym_sam1_rms vs Slug



Right In: 71.131+/-0.011 χ^2/NDF: 1212135.0/33

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 72.949+/-0.011 χ^2/NDF: 1940415.5/36

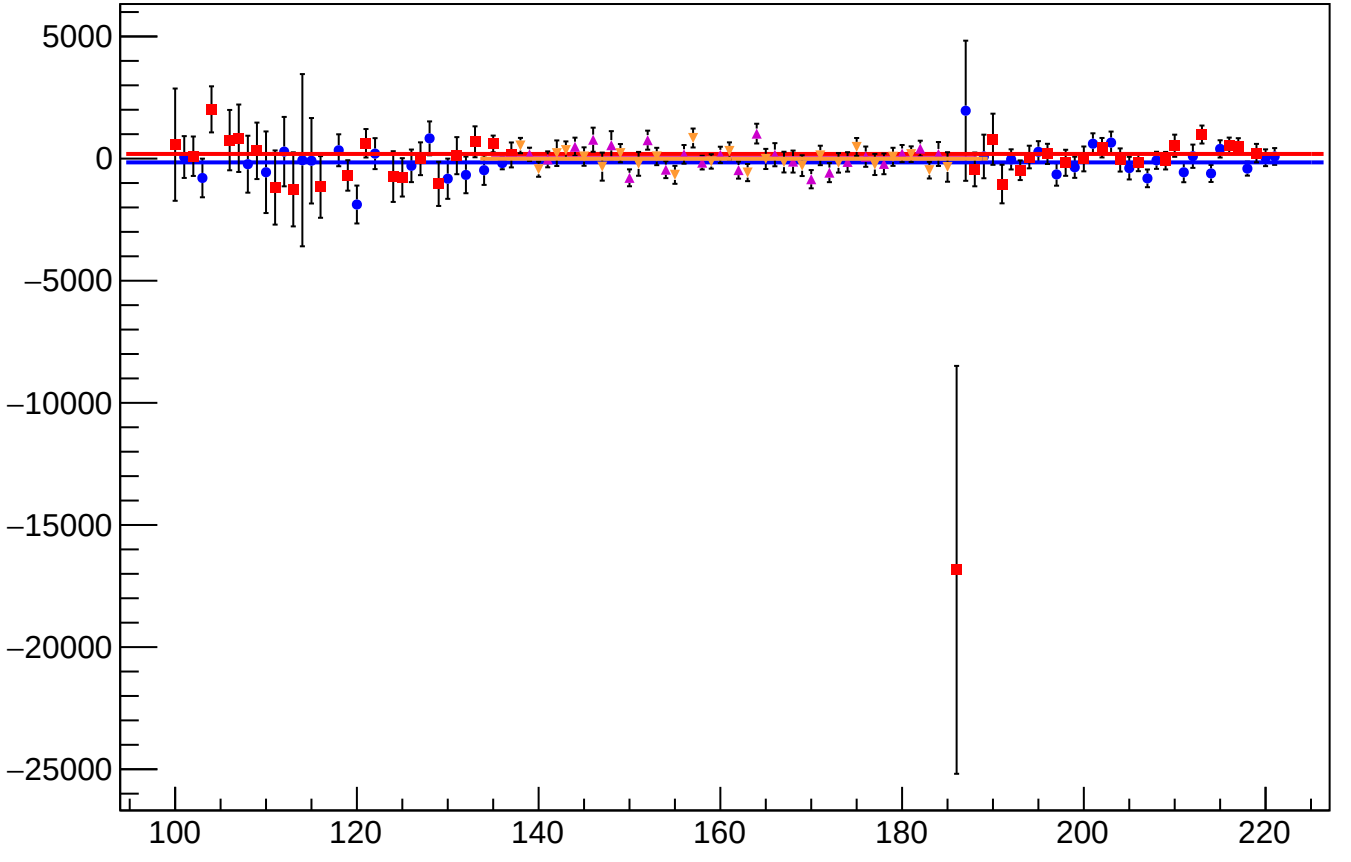
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.603+/-0.008 χ^2/NDF: 1590490.5/58

All: 75.277+/-0.006 χ^2/NDF: 3806300.9/118

- sign 76.012+/-0.009 χ^2/NDF: 2201959.5/59

asym_sam1_reg_correction_mean vs Slug



Right In: -155.350+/-82.680 χ^2/NDF: 30.2/33

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 190.475+/-88.342 χ^2/NDF: 36.8/36

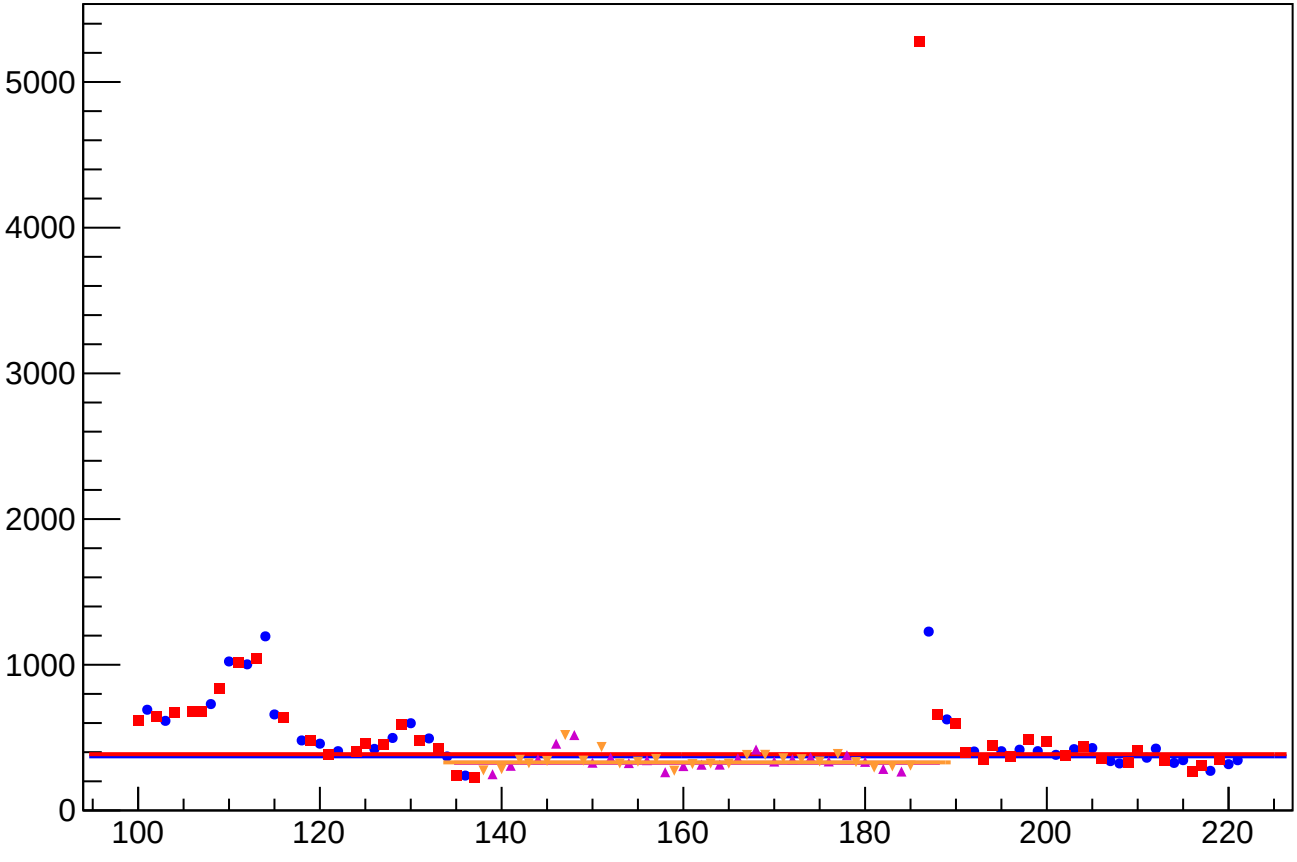
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -72.894+/-55.898 χ^2/NDF: 56.1/58

All: 6.976+/-40.340 χ^2/NDF: 134.3/118

- sign 93.787+/-58.276 χ^2/NDF: 74.0/59

asym_sam1_reg_correction_rms vs Slug



Right In: 371.444+/-0.058 χ^2/NDF: 3312378.8/33

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 386.306+/-0.062 χ^2/NDF: 4276770.5/36

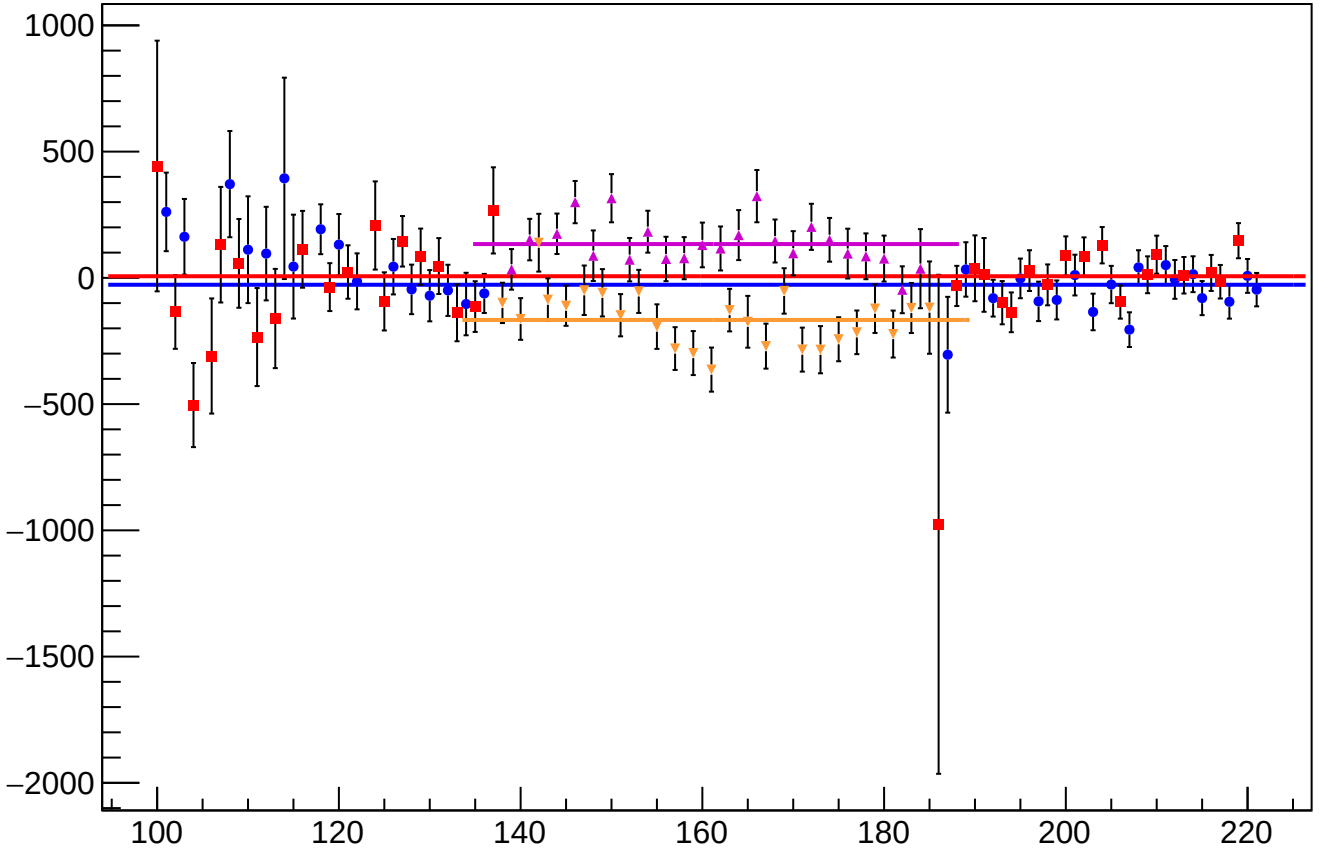
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 348.926+/-0.040 χ^2/NDF: 4244873.0/58

All: 350.776+/-0.029 χ^2/NDF: 9935288.4/118

- sign 352.787+/-0.041 χ^2/NDF: 5685843.2/59

cor_asym_sam1_mean vs Slug



Right In: -27.326+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 6.429+/-16.115 χ^2/NDF: 45.7/36

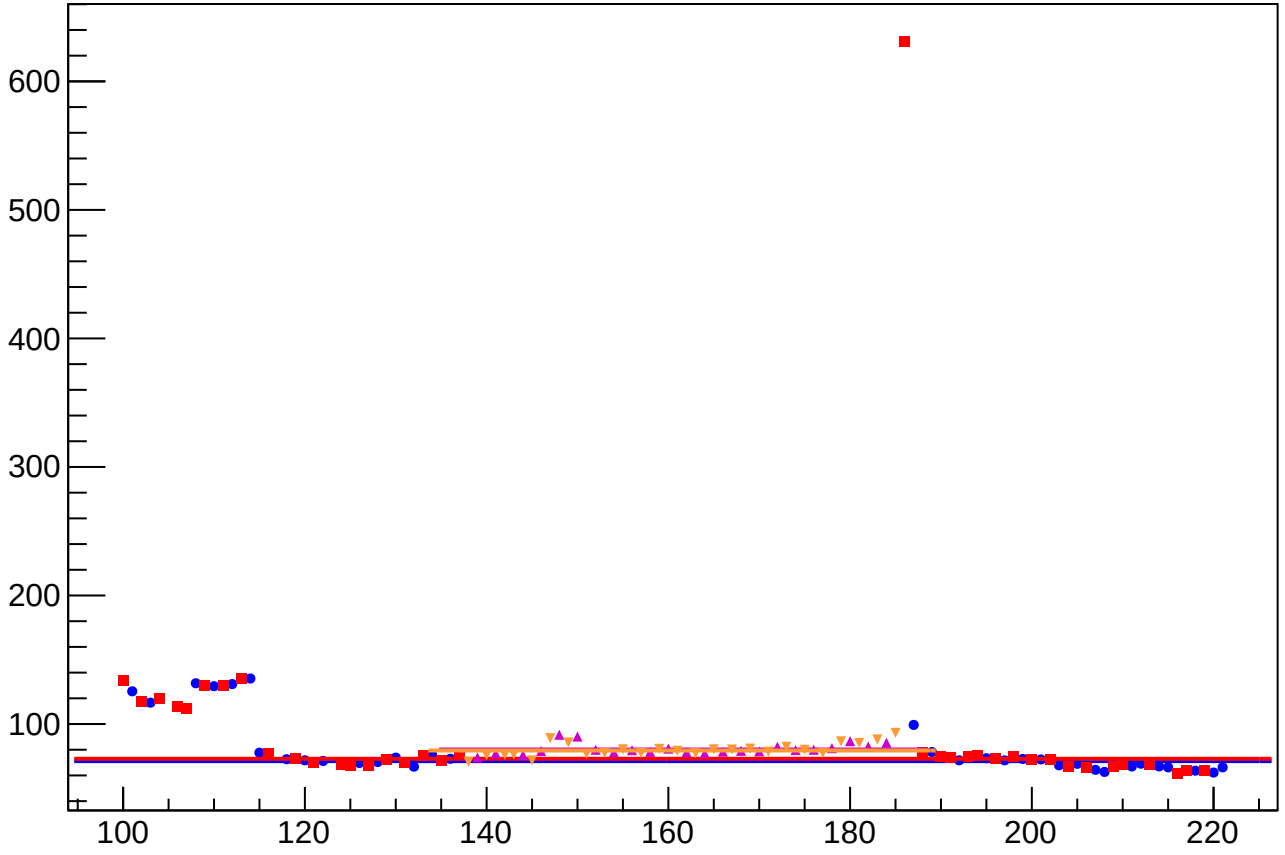
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -85.768+/-11.708 χ^2/NDF: 102.2/58

All: -15.759+/-8.455 χ^2/NDF: 269.9/118

- sign 60.543+/-12.223 χ^2/NDF: 93.0/59

cor_asym_sam1_rms vs Slug



Right In: 71.131+/-0.011 χ^2/NDF: 1212135.2/33

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

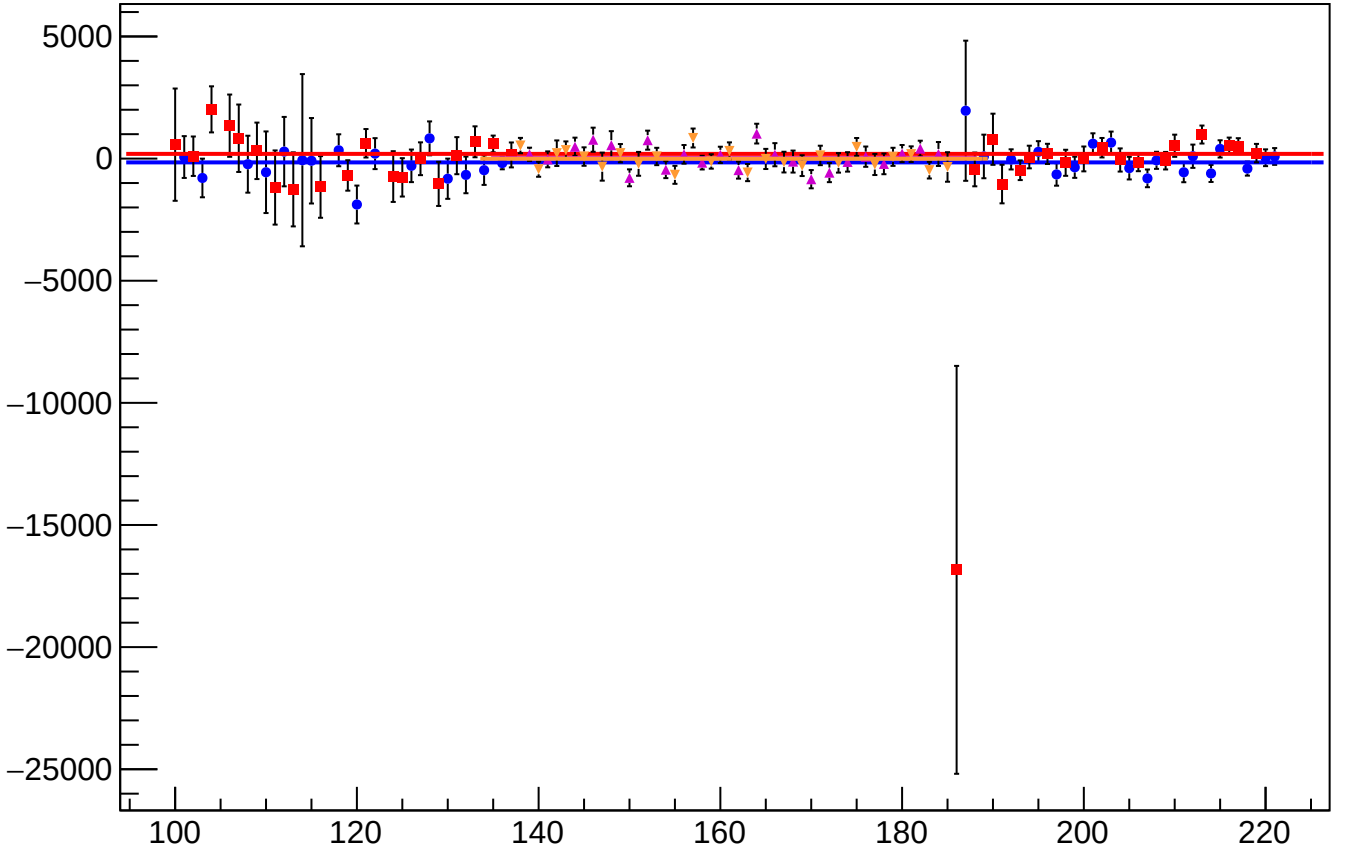
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.603+/-0.008 χ^2/NDF: 1590490.7/58

All: 75.276+/-0.006 χ^2/NDF: 3804006.2/118

- sign 76.009+/-0.009 χ^2/NDF: 2199711.4/59

asym_sam1_cor_correction_mean vs Slug



Right In: -155.356+/-82.680 χ^2/NDF: 30.2/33

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 193.149+/-88.356 χ^2/NDF: 37.4/36

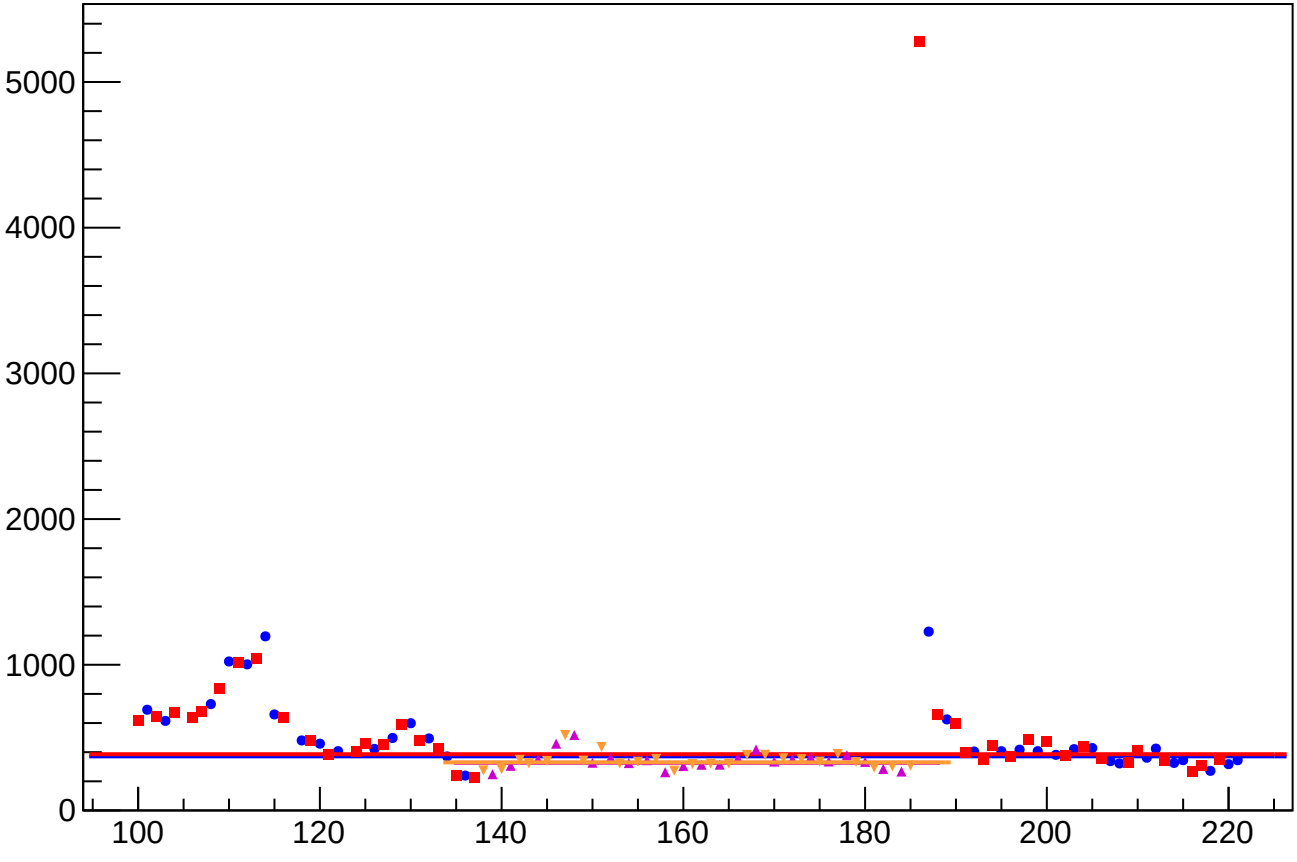
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -72.896+/-55.898 χ^2/NDF: 56.1/58

All: 7.522+/-40.342 χ^2/NDF: 135.0/118

- sign 94.942+/-58.280 χ^2/NDF: 74.6/59

asym_sam1_cor_correction_rms vs Slug



Right In: 371.444+/-0.058 χ^2/NDF: 3312380.3/33

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

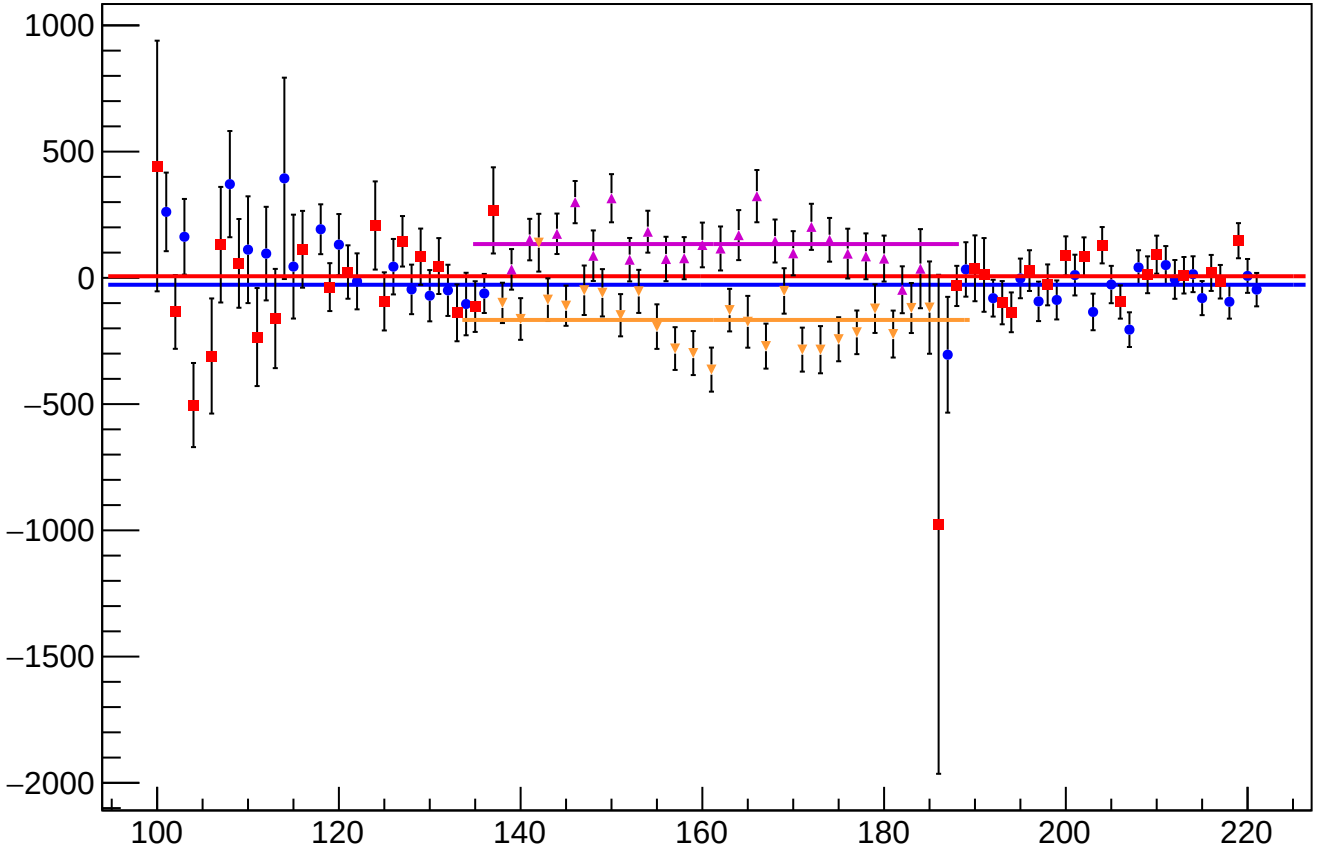
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 348.926+/-0.040 χ^2/NDF: 4244884.0/58

All: 350.715+/-0.029 χ^2/NDF: 9896886.0/118

- sign 352.661+/-0.041 χ^2/NDF: 5647722.8/59

eigen_cor_asym_sam1_mean vs Slug



Right In: -27.326+/-15.365 χ^2/NDF: 36.1/33

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 6.429+/-16.115 χ^2/NDF: 45.7/36

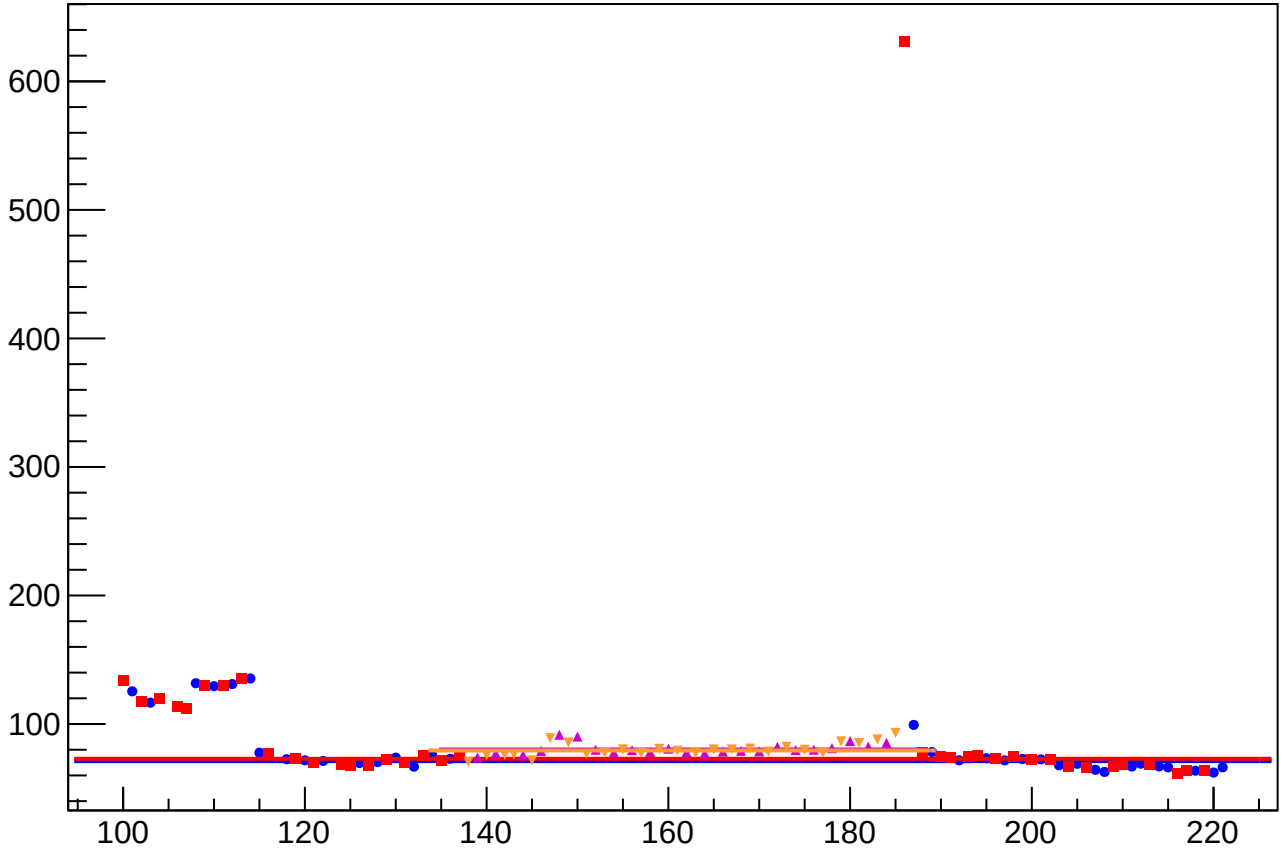
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -85.768+/-11.708 χ^2/NDF: 102.2/58

All: -15.759+/-8.455 χ^2/NDF: 269.9/118

- sign 60.543+/-12.223 χ^2/NDF: 93.0/59

eigen_cor_asym_sam1_rms vs Slug



Right In: 71.131+/-0.011 χ^2/NDF: 1212135.2/33

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

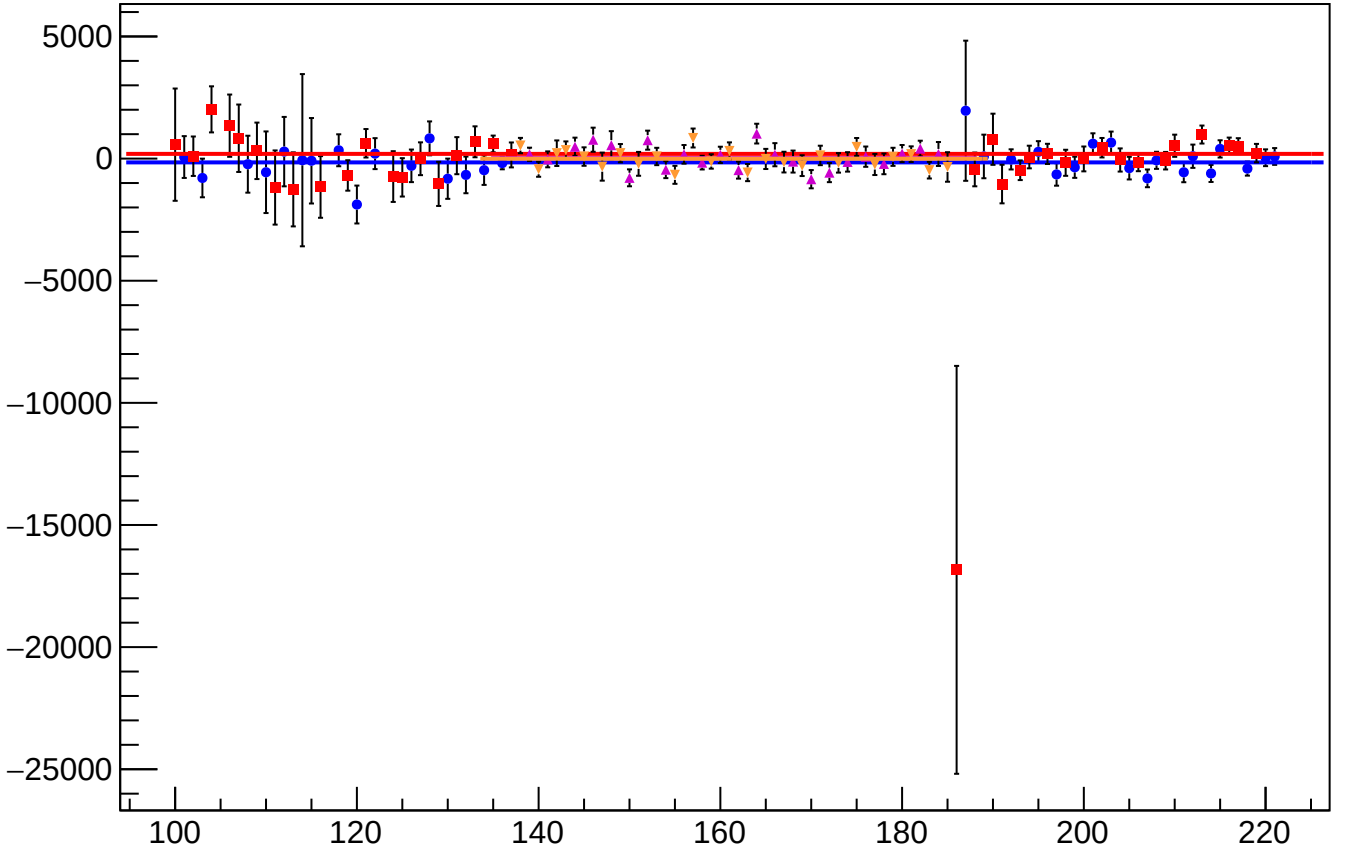
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.603+/-0.008 χ^2/NDF: 1590490.7/58

All: 75.276+/-0.006 χ^2/NDF: 3804006.2/118

- sign 76.009+/-0.009 χ^2/NDF: 2199711.4/59

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -155.356+/-82.680 χ^2/NDF: 30.2/33

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 193.149+/-88.356 χ^2/NDF: 37.4/36

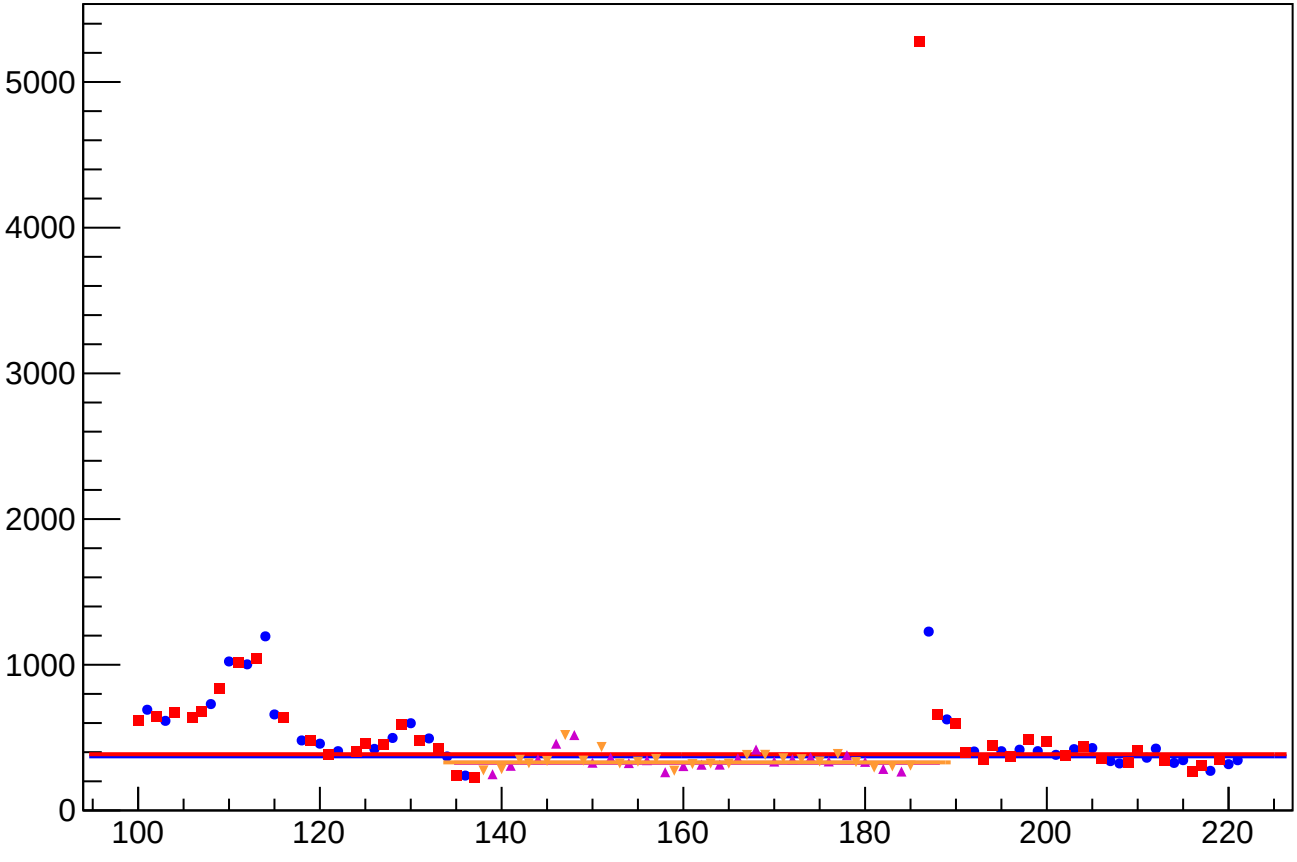
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -72.896+/-55.898 χ^2/NDF: 56.1/58

All: 7.522+/-40.342 χ^2/NDF: 135.0/118

- sign 94.942+/-58.280 χ^2/NDF: 74.6/59

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 371.444+/-0.058 χ^2/NDF: 3312380.3/33

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

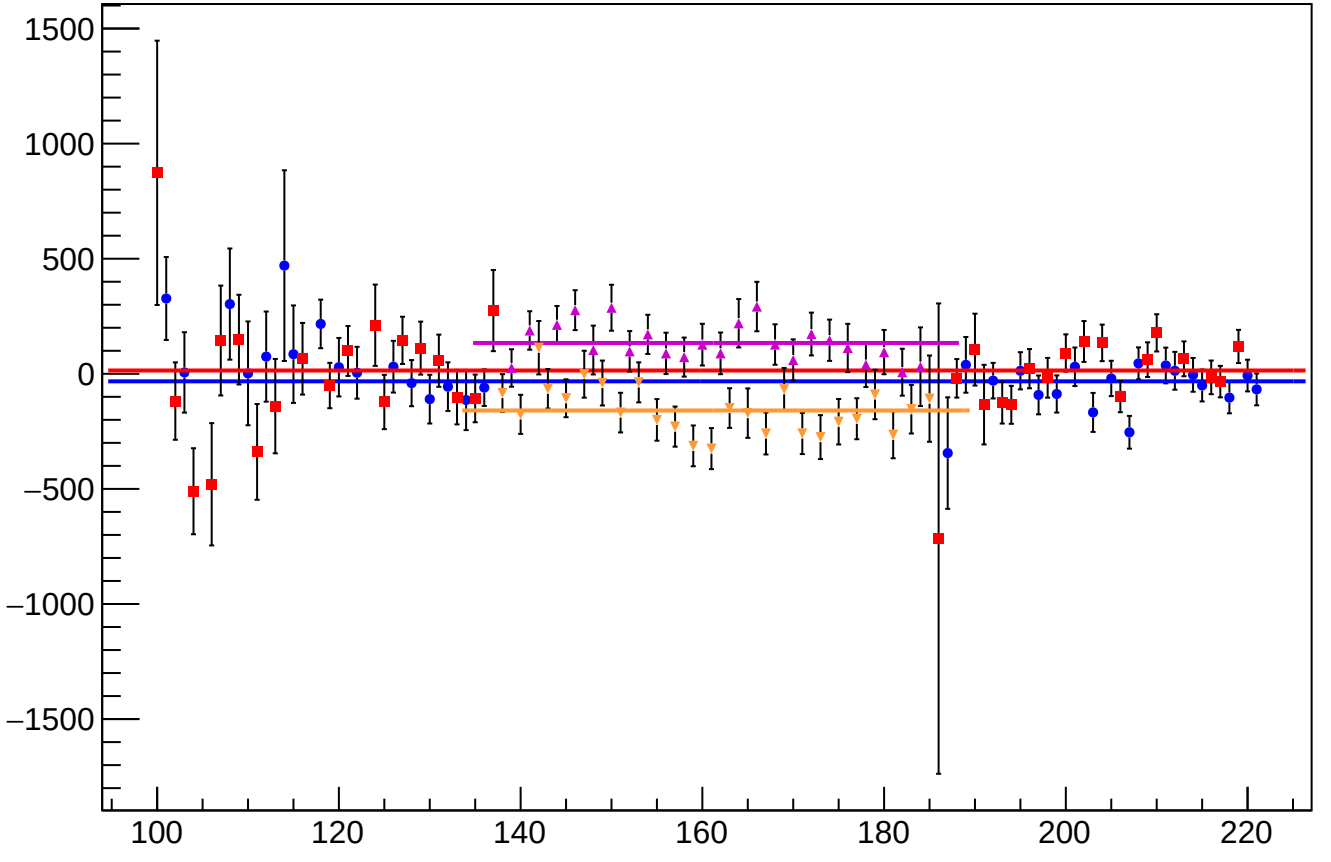
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 348.926+/-0.040 χ^2/NDF: 4244884.0/58

All: 350.715+/-0.029 χ^2/NDF: 9896886.0/118

- sign 352.661+/-0.041 χ^2/NDF: 5647722.8/59

dit_asym_sam1_mean vs Slug



Right In: -32.677+/-16.102 χ^2/NDF: 35.6/33

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 14.424+/-17.001 χ^2/NDF: 52.4/36

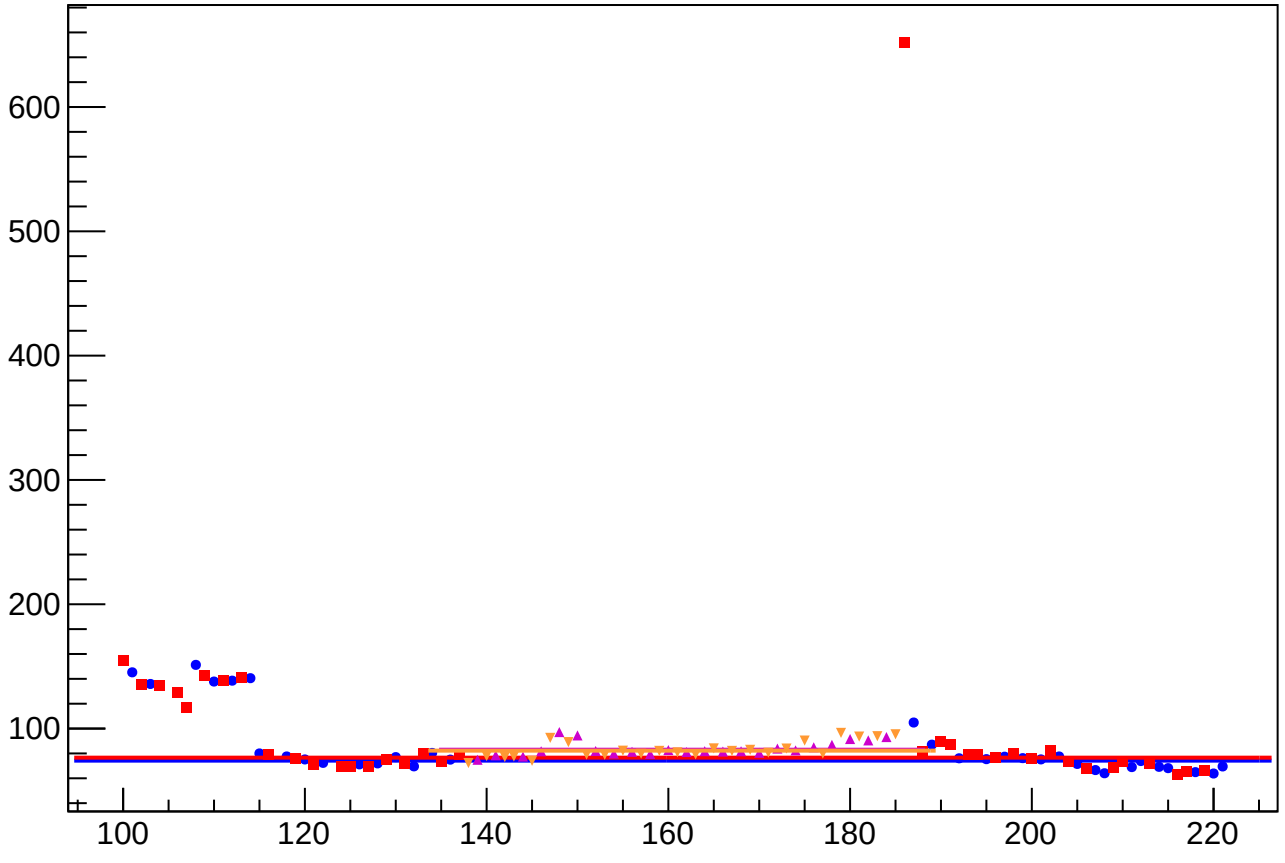
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -86.394+/-12.216 χ^2/NDF: 89.9/58

All: -13.624+/-8.836 χ^2/NDF: 254.6/118

- sign 66.246+/-12.798 χ^2/NDF: 90.2/59

dit_asym_sam1_rms vs Slug



Right In: 74.214+/-0.011 χ^2/NDF: 1462040.9/33

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 76.601+/-0.012 χ^2/NDF: 2162068.4/36

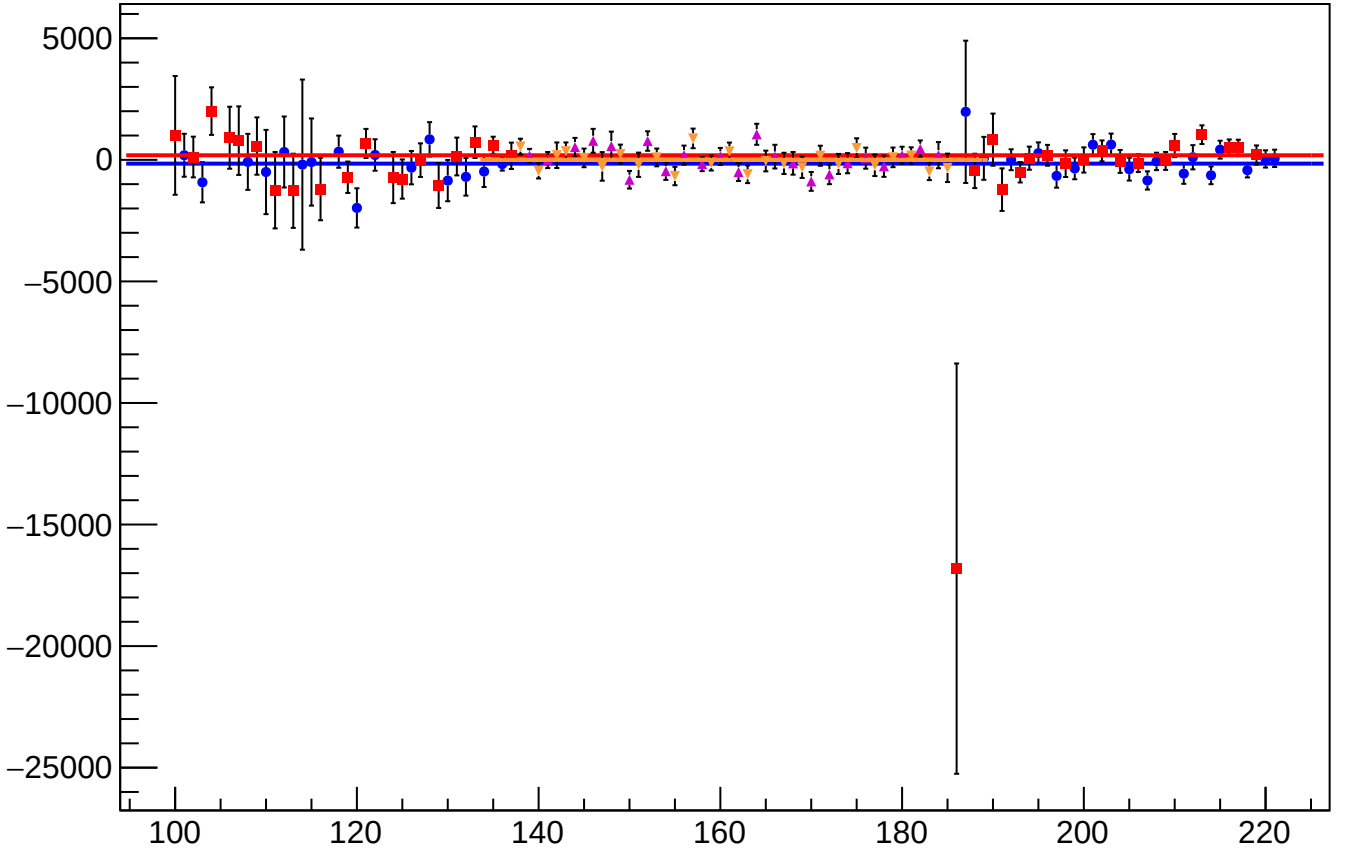
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 77.624+/-0.009 χ^2/NDF: 1889878.7/58

All: 78.457+/-0.006 χ^2/NDF: 4339580.9/118

- sign 79.371+/-0.009 χ^2/NDF: 2430209.1/59

asym_sam1_dit_correction_mean vs Slug



Right In: -155.656+/-85.405 χ^2/NDF: 30.3/33

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 188.120+/-91.538 χ^2/NDF: 36.1/36

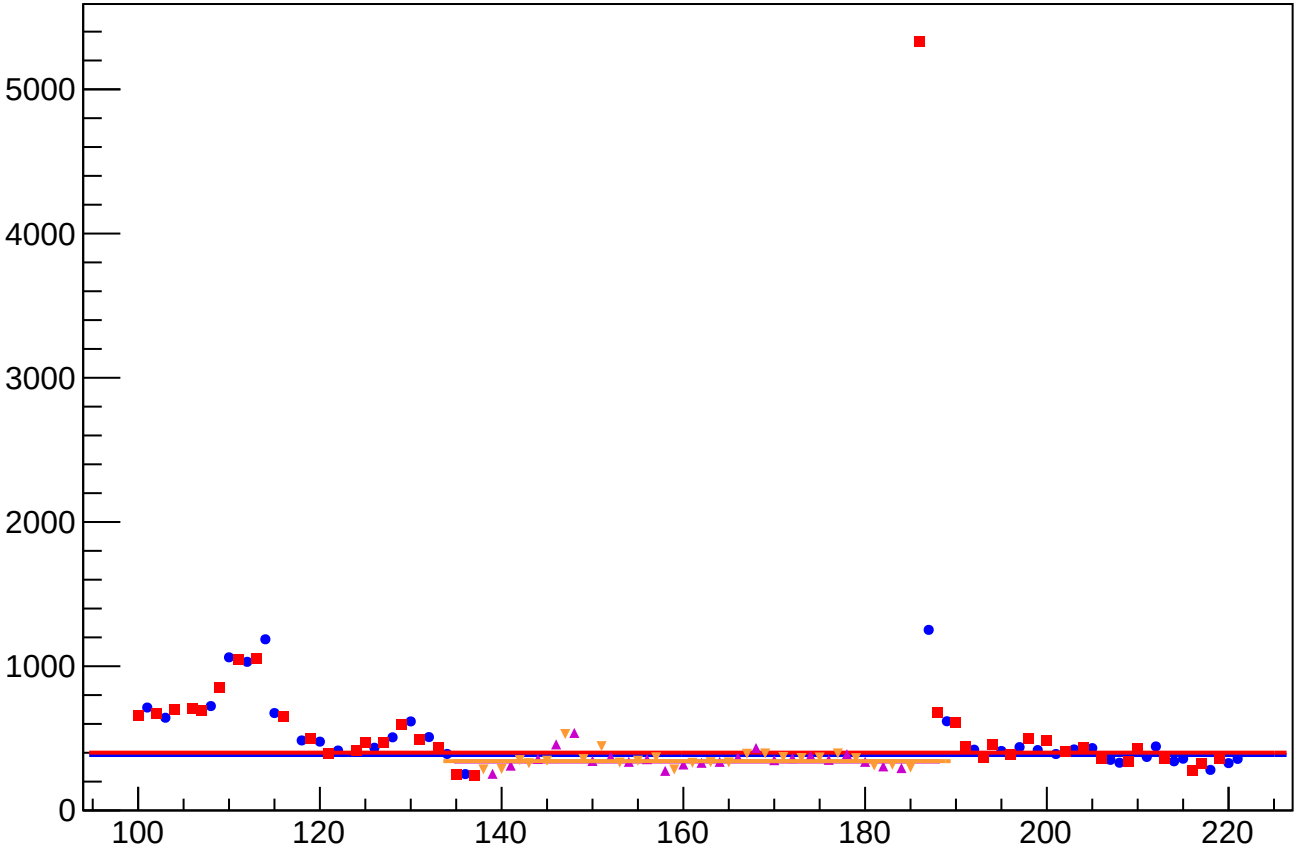
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -73.039+/-57.828 χ^2/NDF: 55.6/58

All: 5.522+/-41.774 χ^2/NDF: 132.4/118

- sign 91.260+/-60.411 χ^2/NDF: 73.0/59

asym_sam1_dit_correction_rms vs Slug



Right In: 384.384+/-0.060 χ^2/NDF: 3188490.3/33

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 400.844+/-0.065 χ^2/NDF: 4166719.3/36

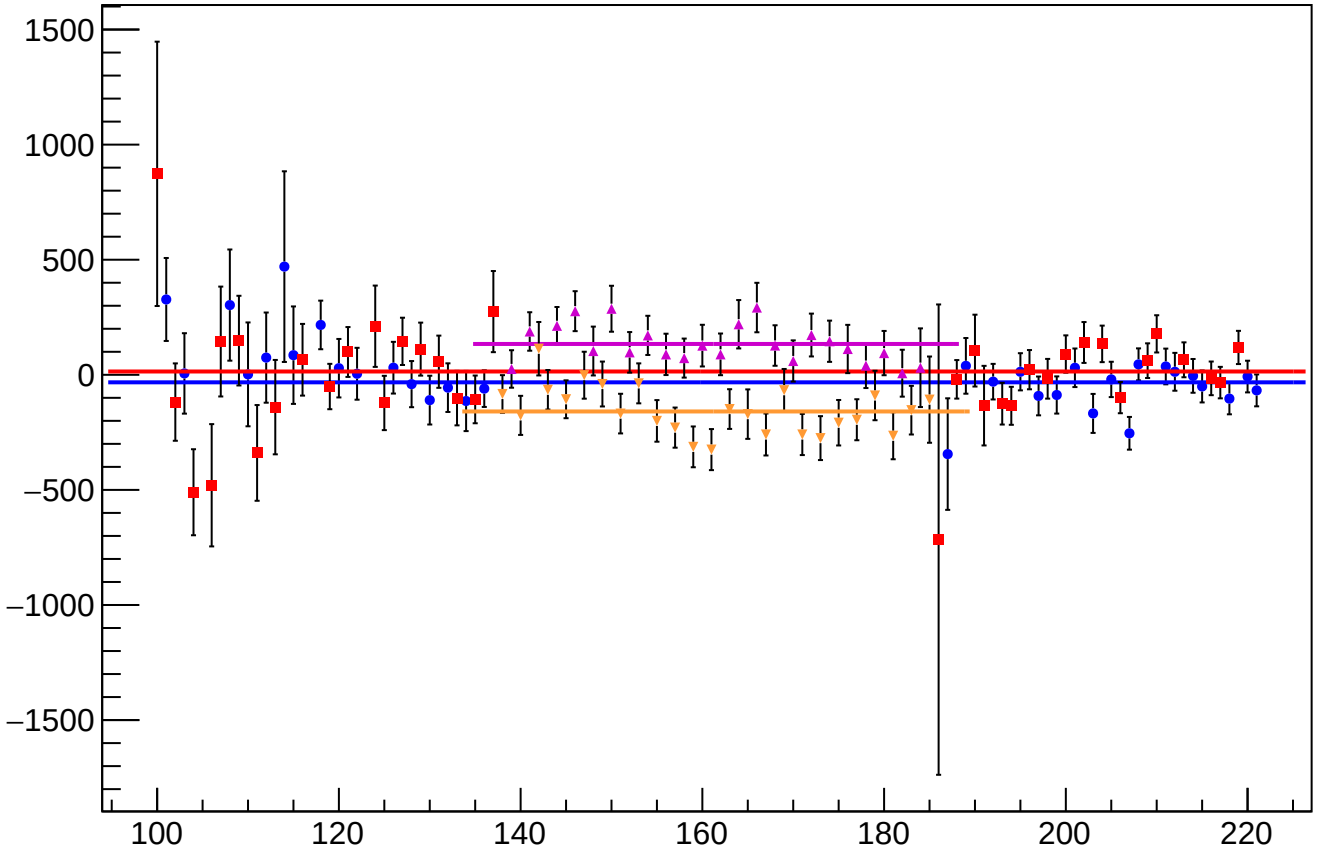
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 361.387+/-0.041 χ^2/NDF: 4110209.1/58

All: 363.678+/-0.030 χ^2/NDF: 9638354.1/118

- sign 366.179+/-0.043 χ^2/NDF: 5521579.0/59

eigen_dit_asym_sam1_mean vs Slug



Right In: -32.676+/-16.102 χ^2/NDF: 35.6/33

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 14.425+/-17.001 χ^2/NDF: 52.4/36

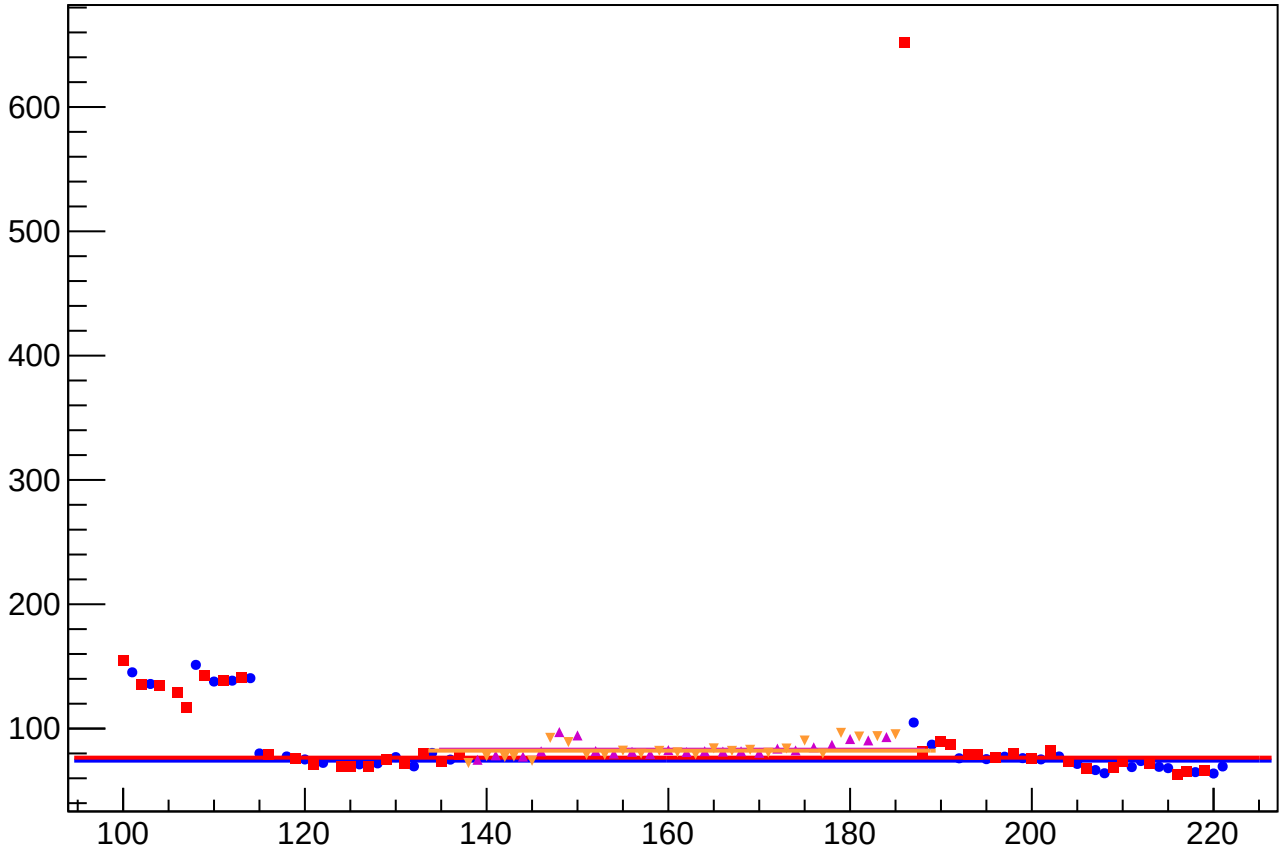
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -86.393+/-12.216 χ^2/NDF: 89.9/58

All: -13.623+/-8.836 χ^2/NDF: 254.6/118

- sign 66.246+/-12.798 χ^2/NDF: 90.2/59

eigen_dit_asym_sam1_rms vs Slug



Right In: 74.214+/-0.011 χ^2/NDF: 1462041.7/33

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

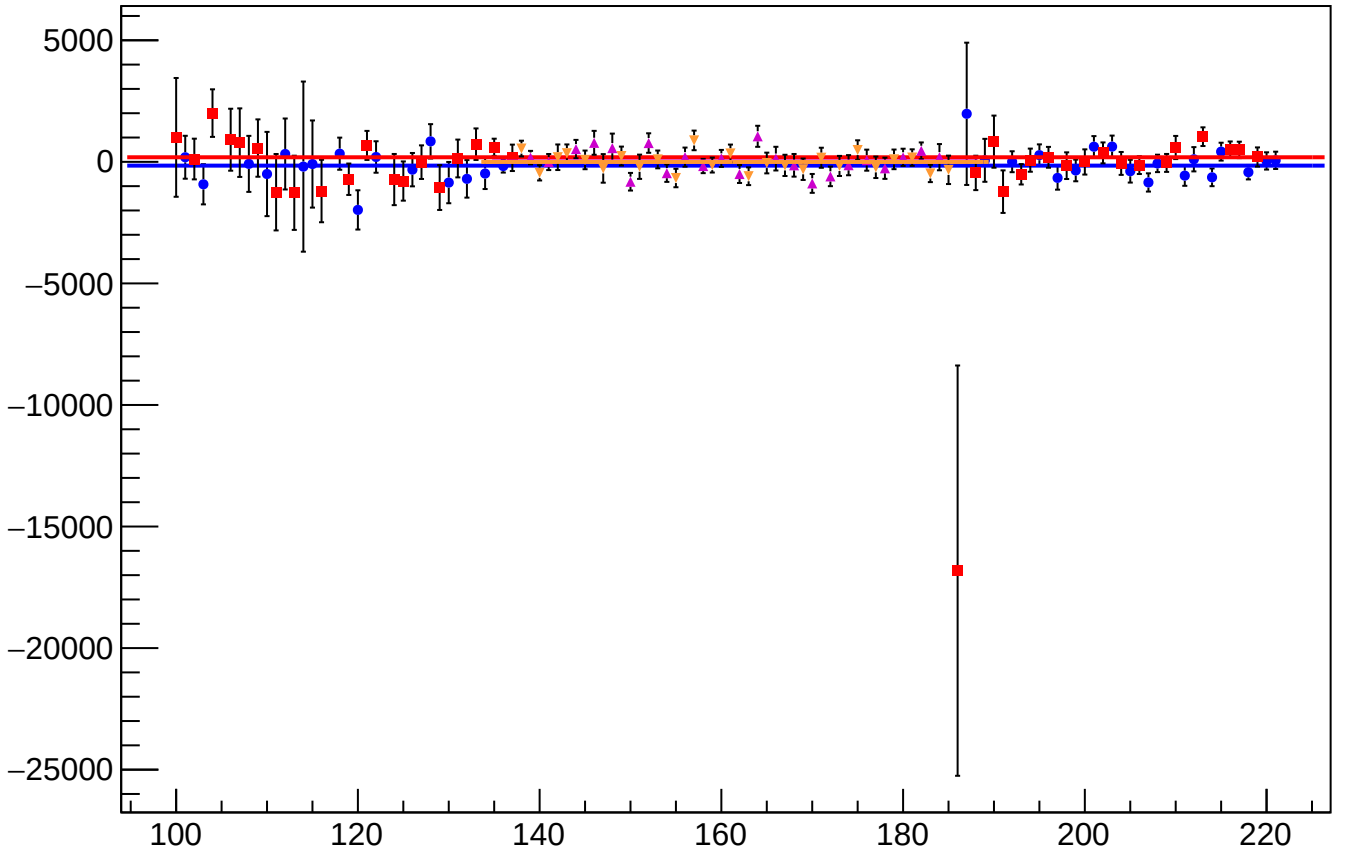
Right Out: 76.600+/-0.012 χ^2/NDF: 2162068.8/36

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 77.624+/-0.009 χ^2/NDF: 1889885.7/58

All: 78.457+/-0.006 χ^2/NDF: 4339591.3/118

- sign 79.371+/-0.009 χ^2/NDF: 2430212.9/59



Right In: -155.654+/-85.404 χ^2/NDF: 30.3/33

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 188.121+/-91.537 χ^2/NDF: 36.1/36

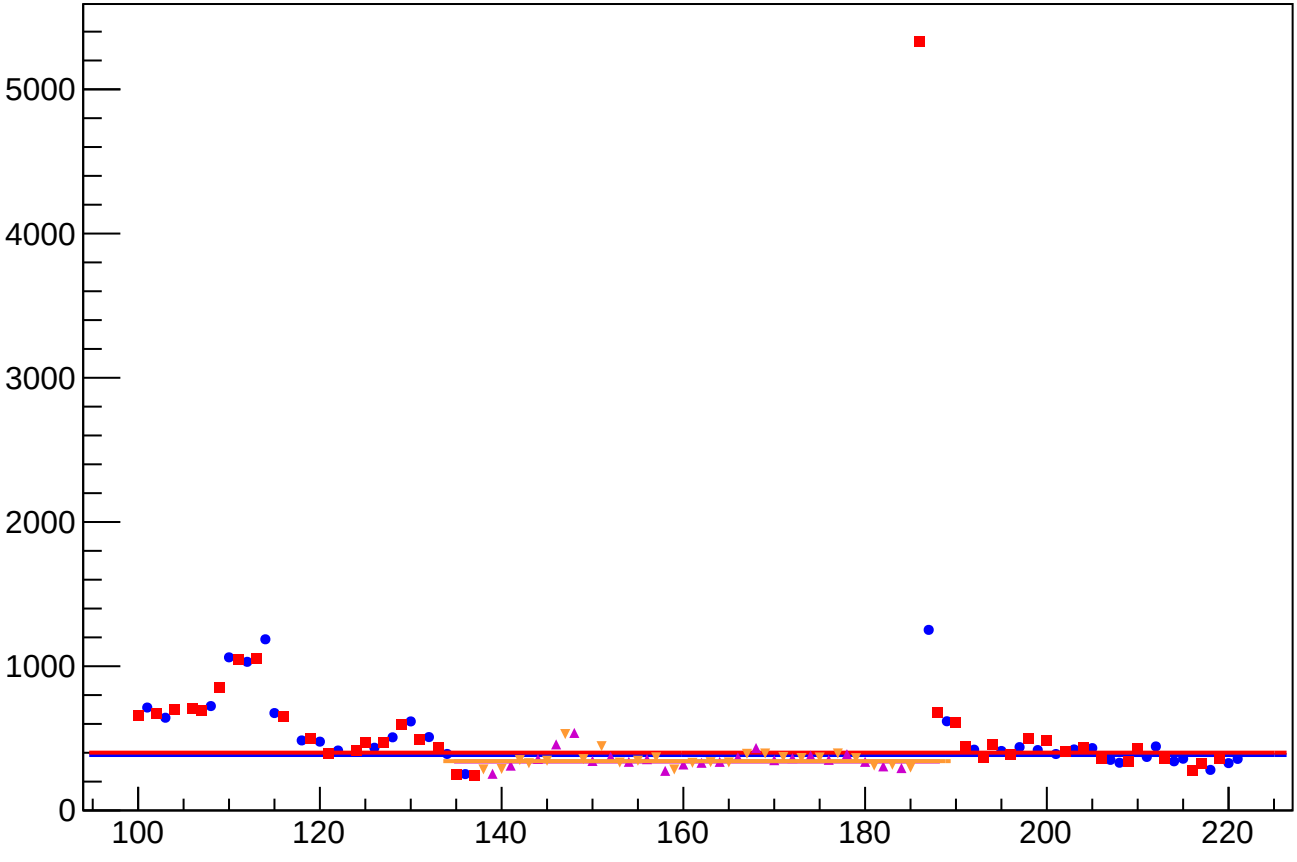
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -73.038+/-57.827 χ^2/NDF: 55.6/58

All: 5.523+/-41.774 χ^2/NDF: 132.4/118

- sign 91.260+/-60.411 χ^2/NDF: 73.0/59

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 384.384+/-0.060 χ^2/NDF: 3188494.2/33

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 400.843+/-0.065 χ^2/NDF: 4166726.5/36

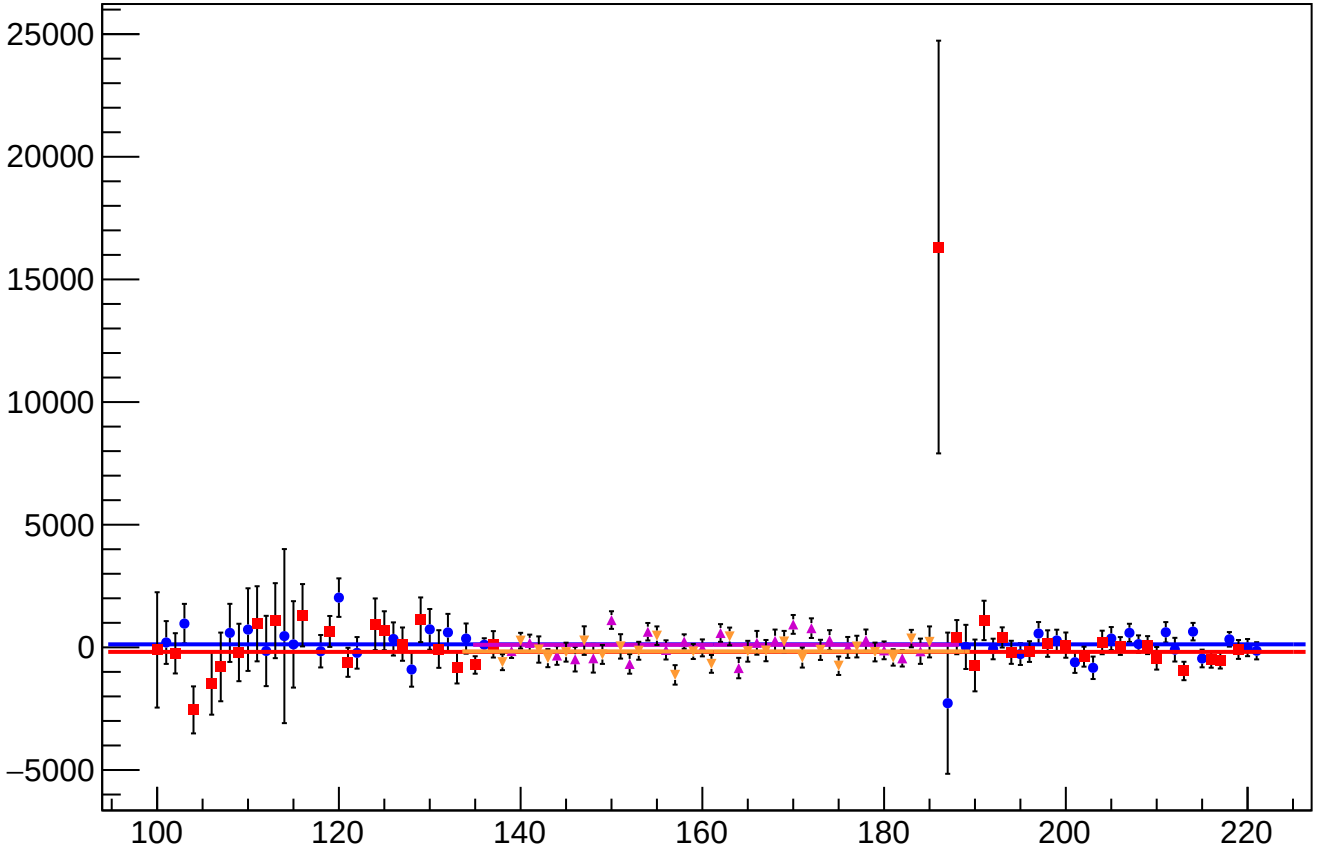
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 361.387+/-0.041 χ^2/NDF: 4110206.6/58

All: 363.678+/-0.030 χ^2/NDF: 9638349.7/118

- sign 366.178+/-0.043 χ^2/NDF: 5521577.1/59

asym_sam1_mean vs Slug



Right In: 123.327+/-84.422 χ^2/NDF: 30.4/33

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -184.611+/-90.163 χ^2/NDF: 39.1/36

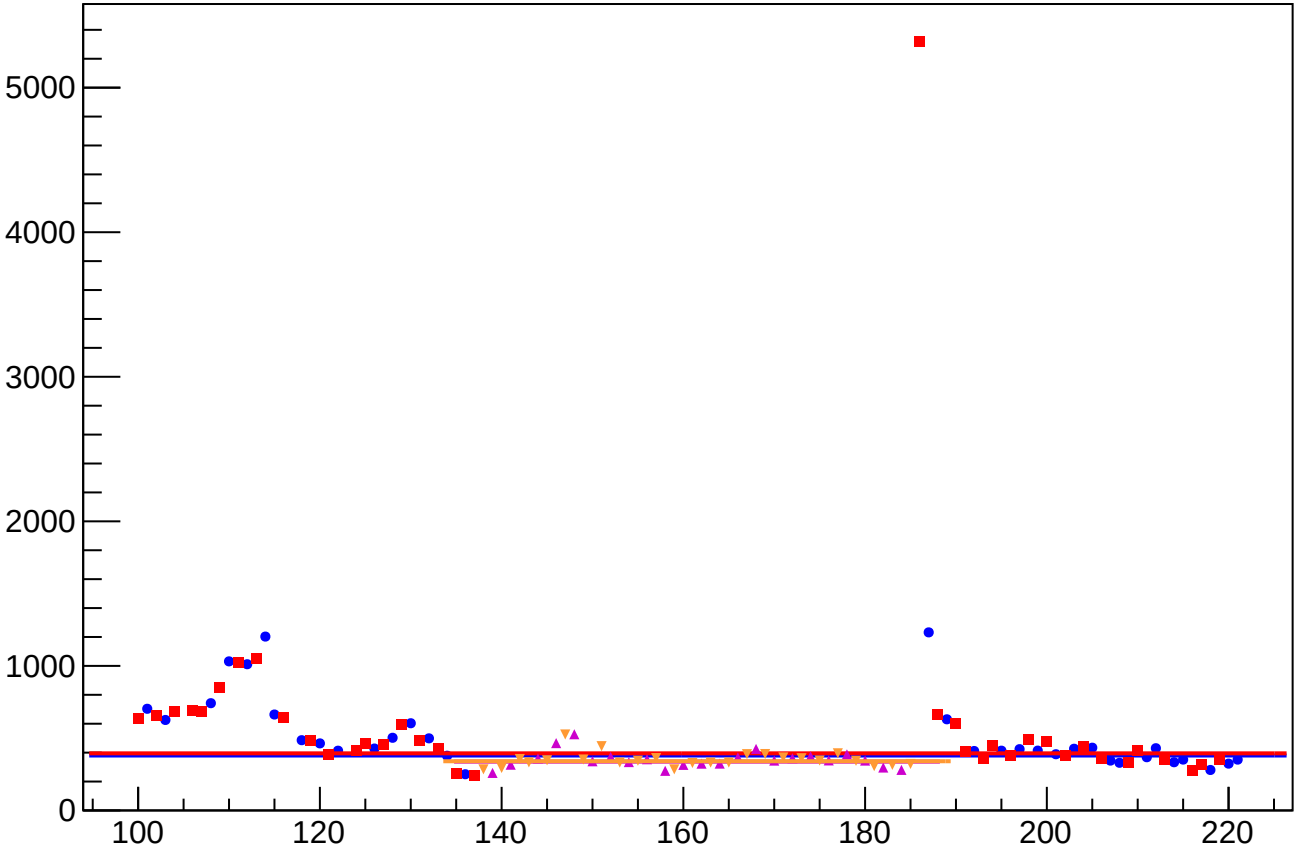
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -33.172+/-57.361 χ^2/NDF: 62.3/58

All: -28.355+/-41.409 χ^2/NDF: 144.7/118

- sign -23.113+/-59.839 χ^2/NDF: 82.4/59

asym_sam1_rms vs Slug



Right In: 380.073+/-0.060 χ^2/NDF: 3164274.3/33

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 395.095+/-0.064 χ^2/NDF: 4119432.6/36

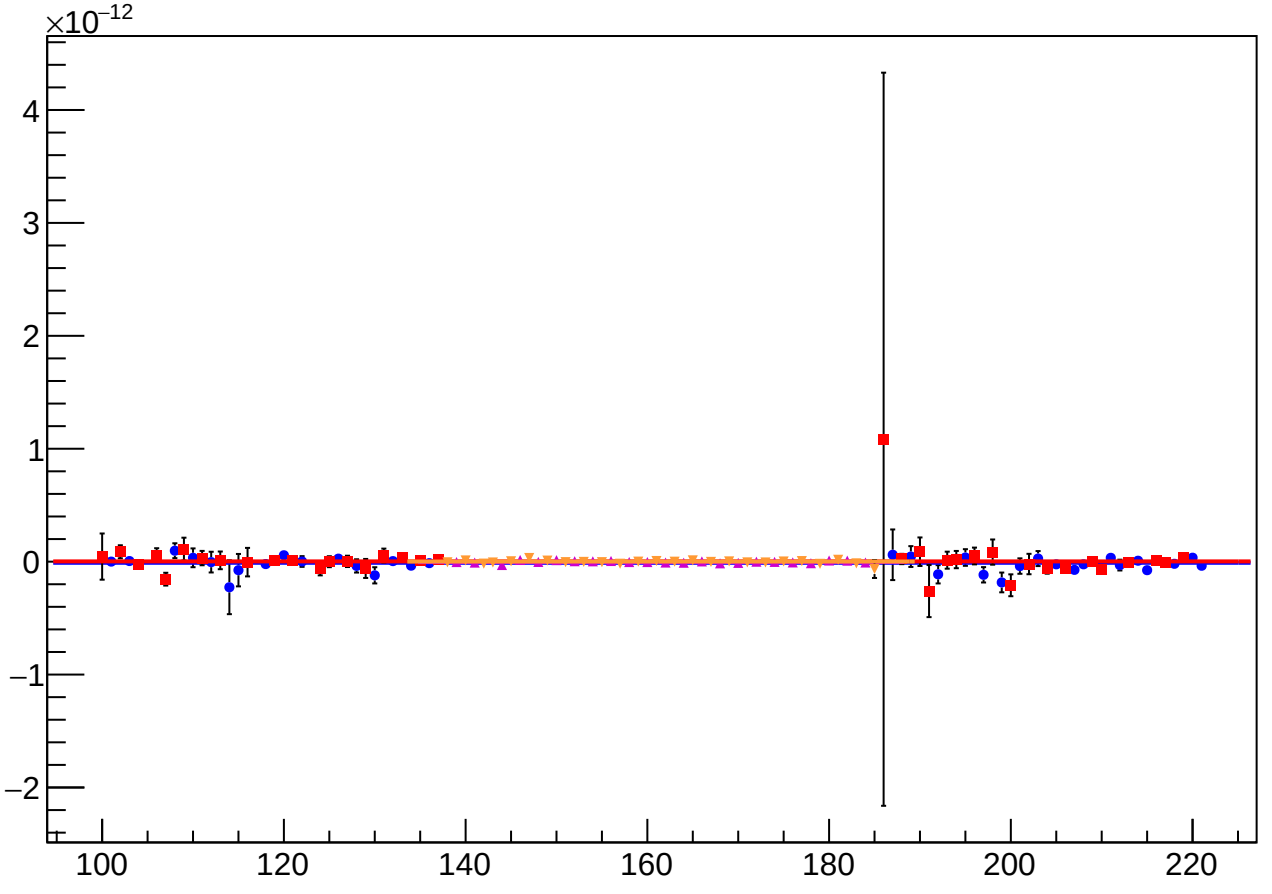
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 358.711+/-0.041 χ^2/NDF: 4006312.0/58

All: 360.771+/-0.029 χ^2/NDF: 9404358.4/118

- sign 363.013+/-0.042 χ^2/NDF: 5392658.5/59

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

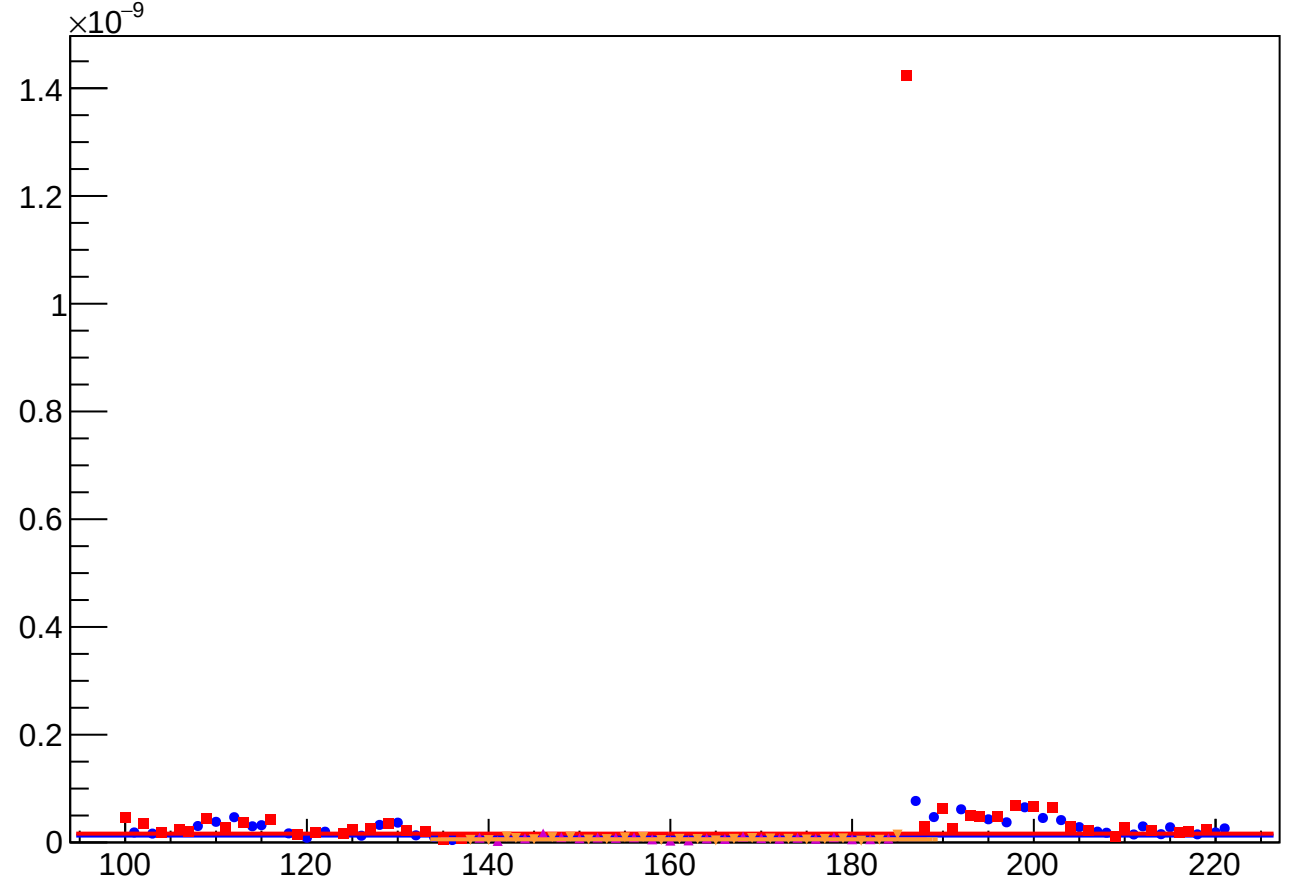
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/36

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.3/58

All: -0.000+/-0.000 χ^2/NDF: 107.5/118

- sign -0.000+/-0.000 χ^2/NDF: 47.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 8470607.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7502541.9/36

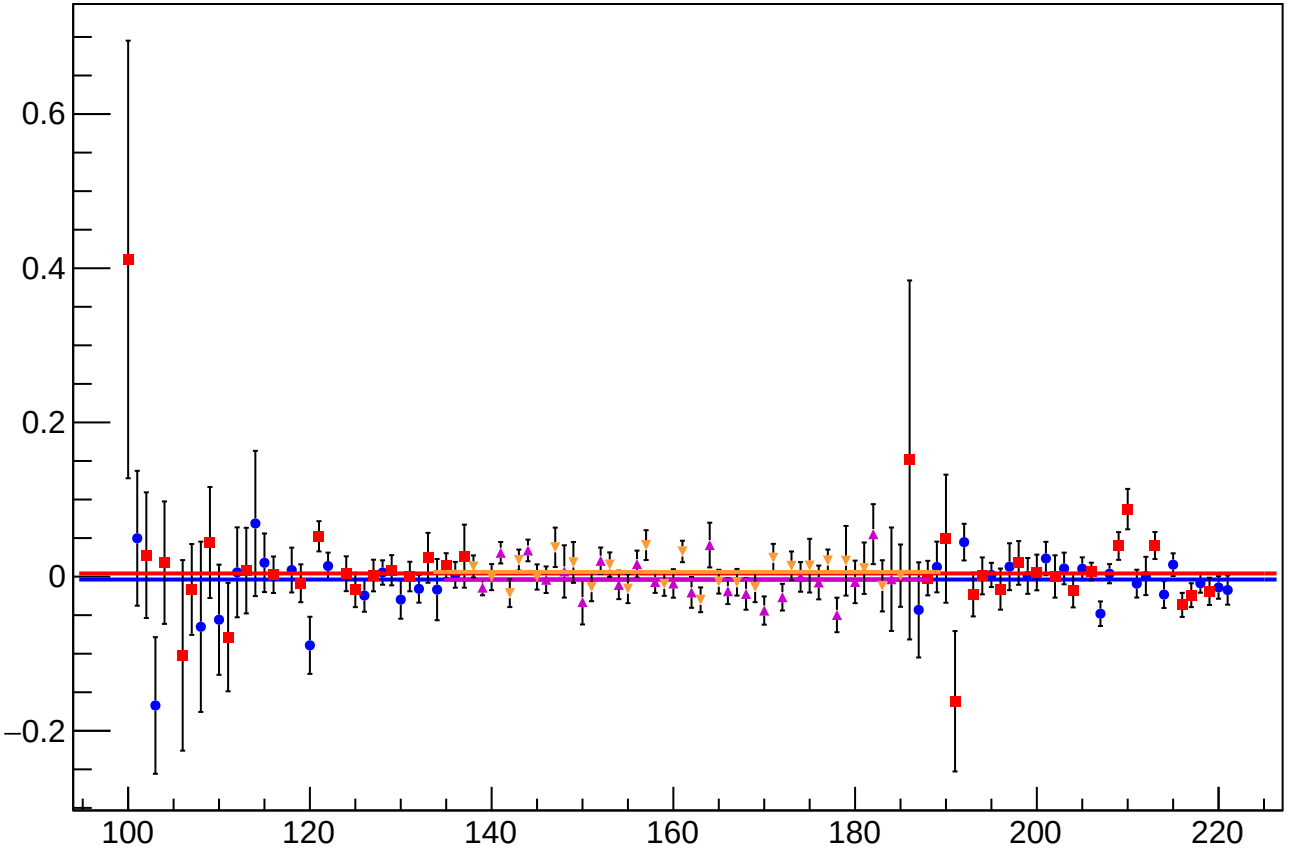
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12719930.4/58

All: 0.000+/-0.000 χ^2/NDF: 26674970.0/118

- sign 0.000+/-0.000 χ^2/NDF: 13864818.0/59

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.004 χ^2/NDF: 35.8/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

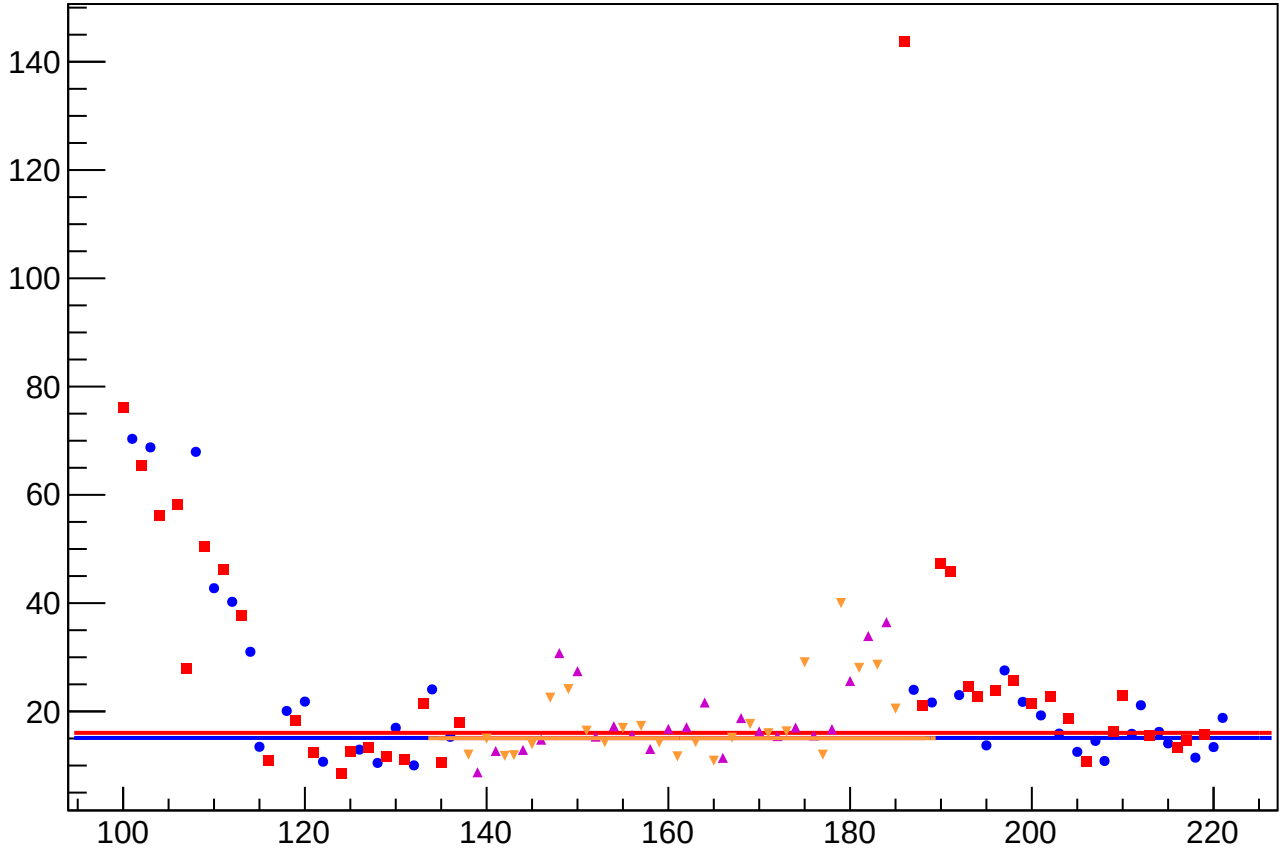
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 155.7/118

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.097+/-0.003 χ^2/NDF: 5086249.3/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

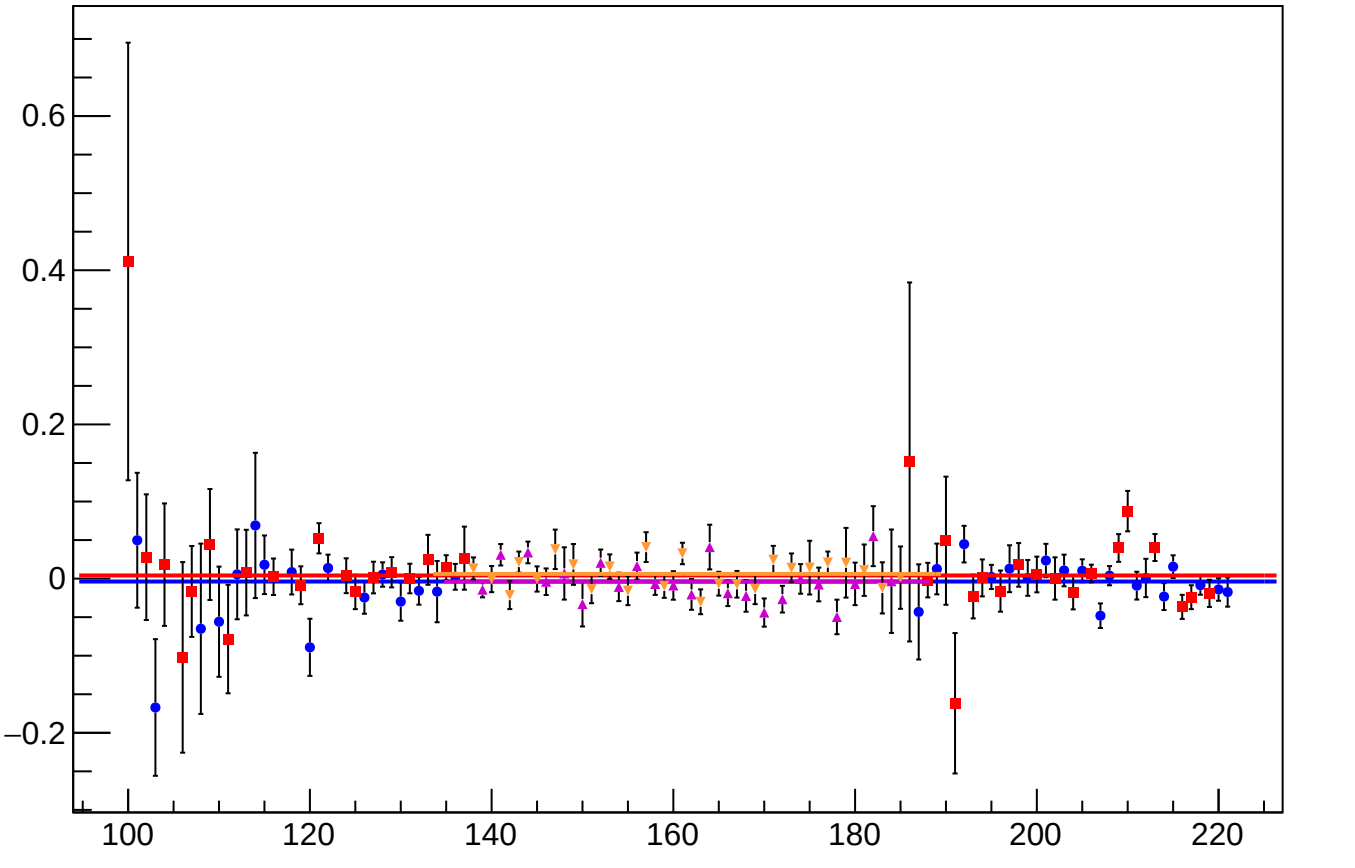
Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.073+/-0.002 χ^2/NDF: 7844522.5/58

All: 15.291+/-0.001 χ^2/NDF: 17643999.2/118

- sign 15.541+/-0.002 χ^2/NDF: 9768447.7/59



Right In: -0.004+/-0.004 χ^2/NDF: 35.8/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

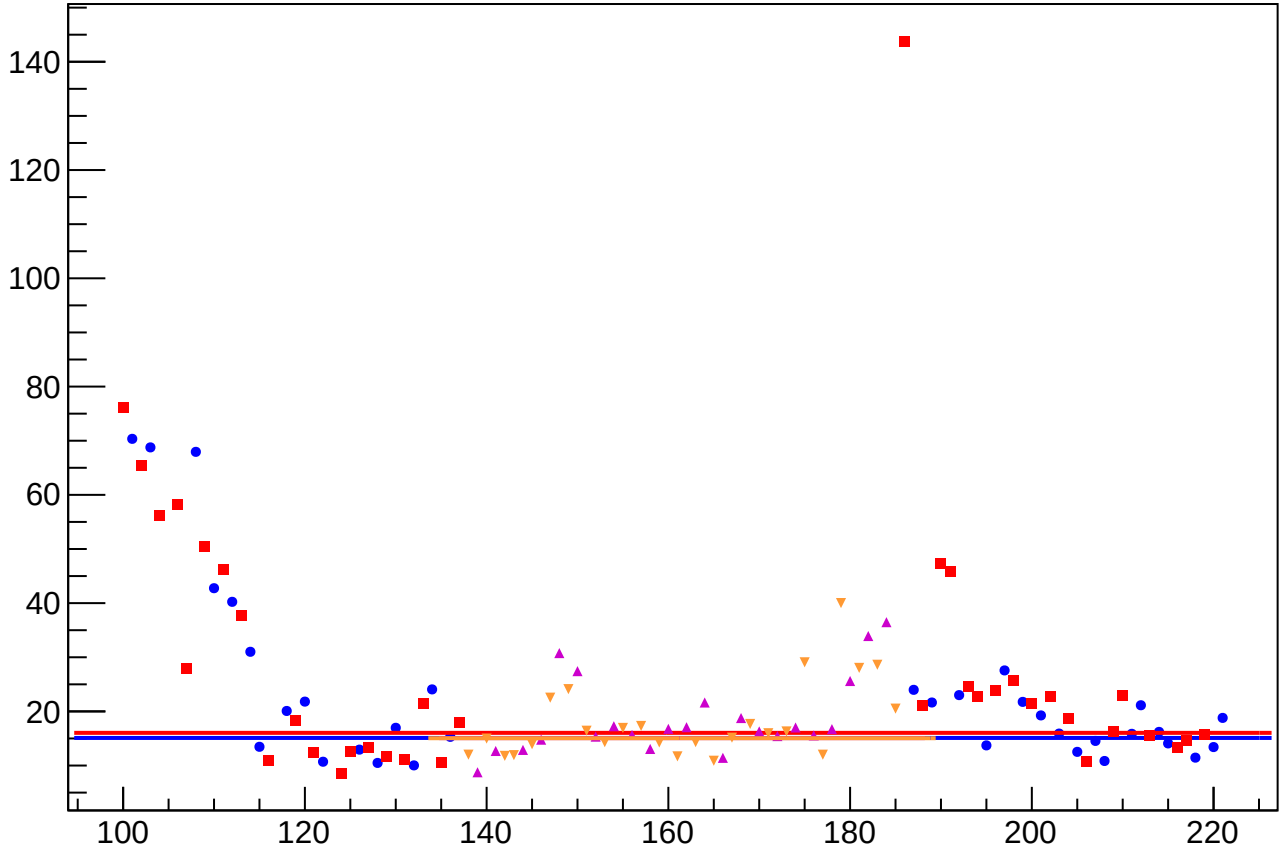
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 155.7/118

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.097+/-0.003 χ^2/NDF: 5086249.3/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

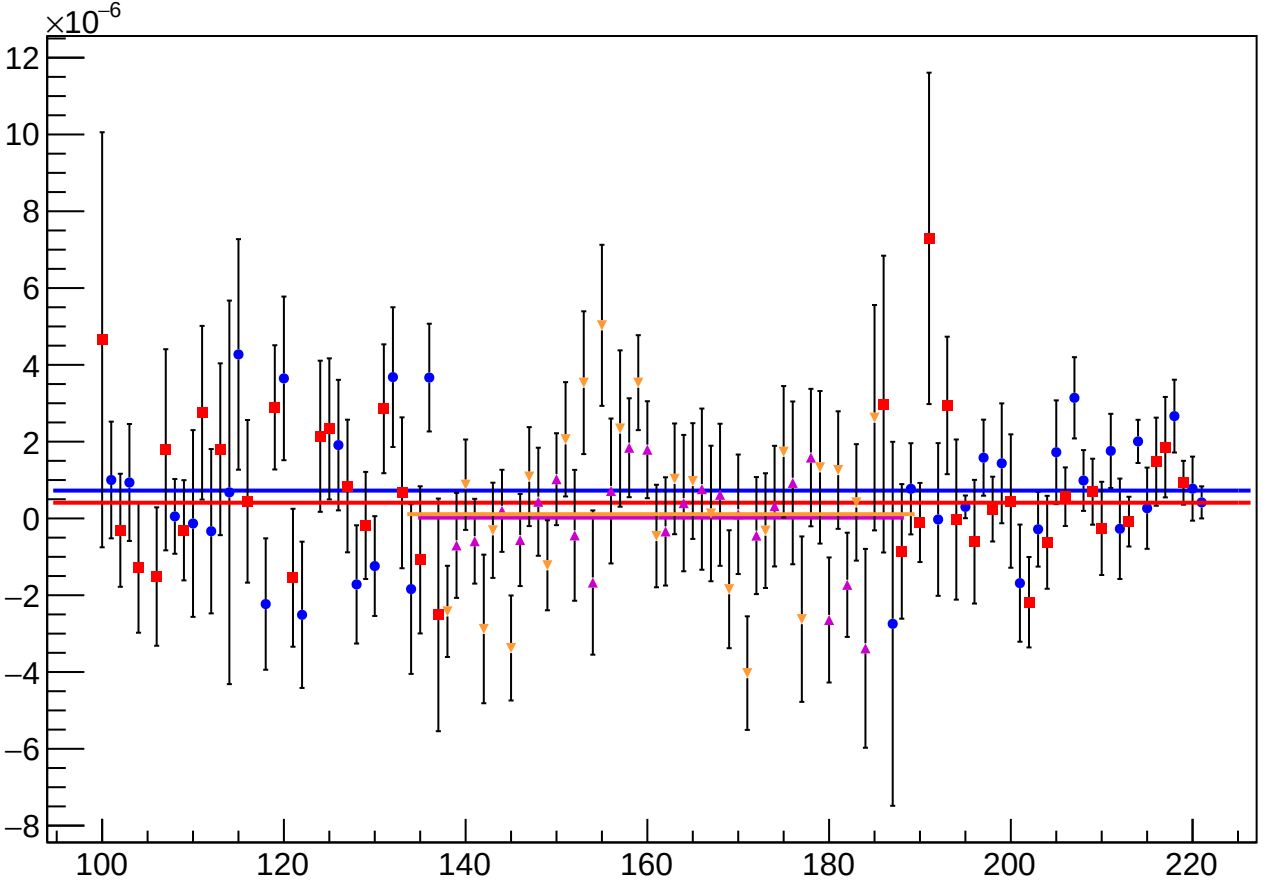
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.073+/-0.002 χ^2/NDF: 7844522.5/58

All: 15.291+/-0.001 χ^2/NDF: 17643999.2/118

- sign 15.541+/-0.002 χ^2/NDF: 9768447.7/59

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

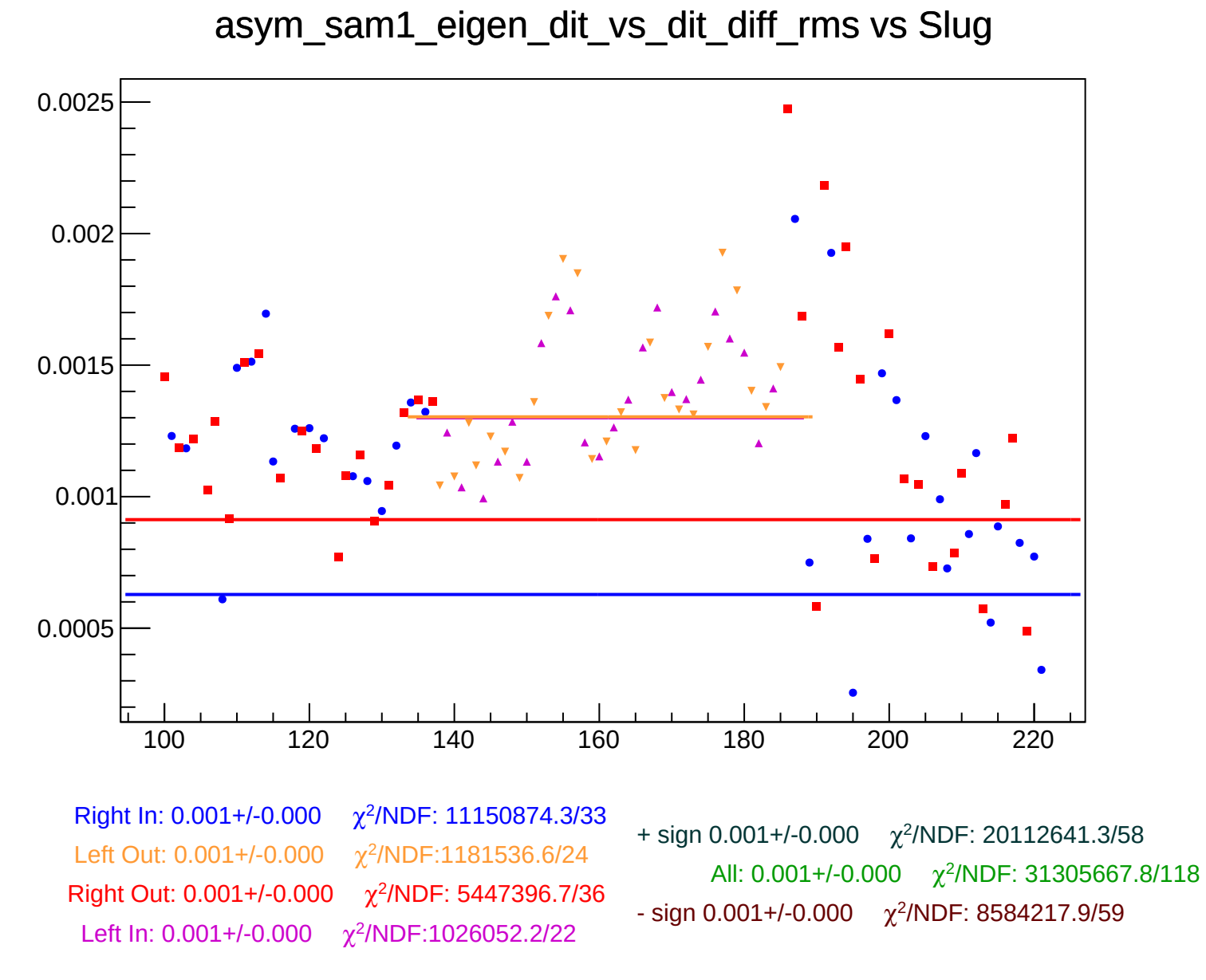
Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/36

Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

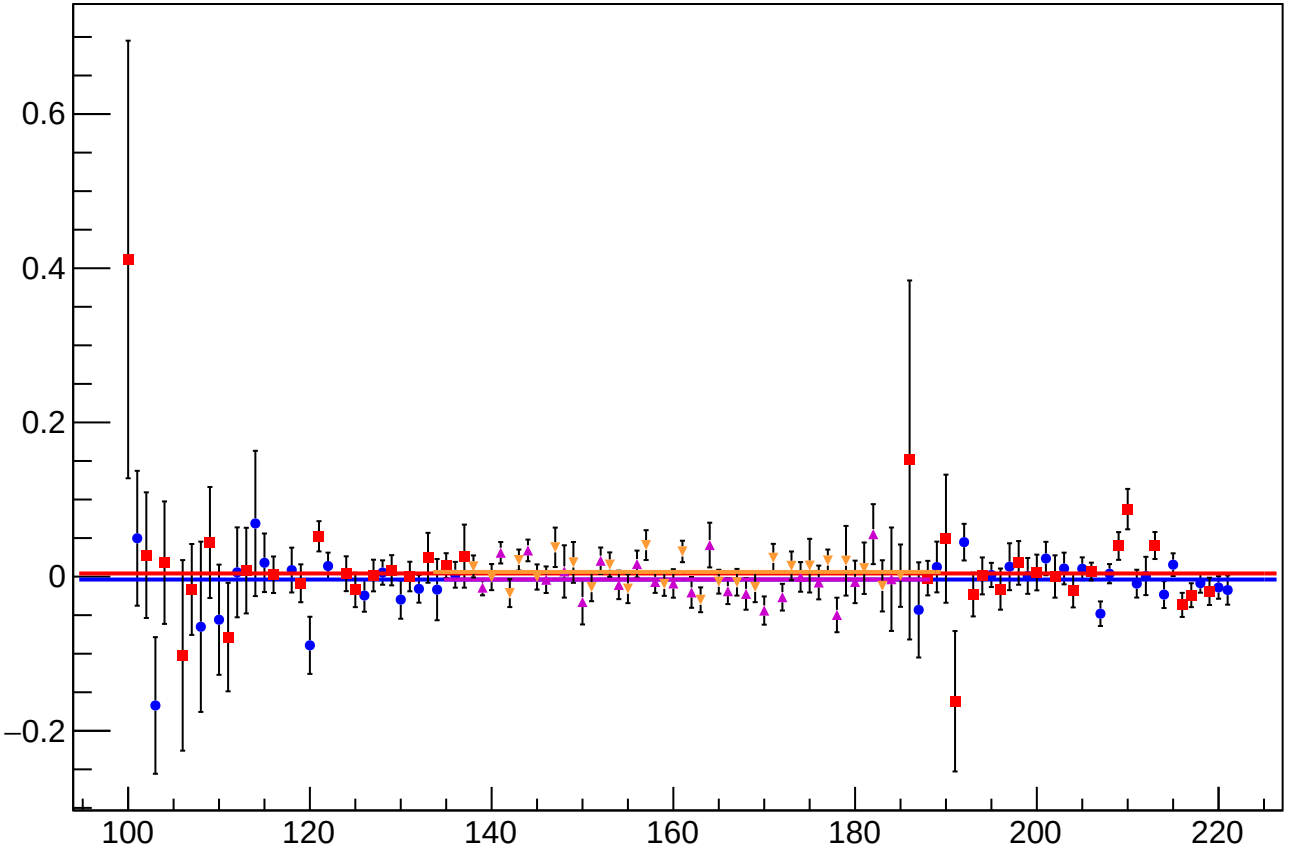
+ sign 0.000+/-0.000 χ^2/NDF: 101.9/58

All: 0.000+/-0.000 χ^2/NDF: 149.0/118

- sign 0.000+/-0.000 χ^2/NDF: 45.3/59


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 11150874.3/33
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 5447396.7/36
Left In: 0.001+/-0.000 χ²/NDF:1026052.2/22
+ sign 0.001+/-0.000 χ²/NDF: 20112641.3/58
All: 0.001+/-0.000 χ²/NDF: 31305667.8/118
- sign 0.001+/-0.000 χ²/NDF: 8584217.9/59

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.004 χ^2/NDF: 35.7/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

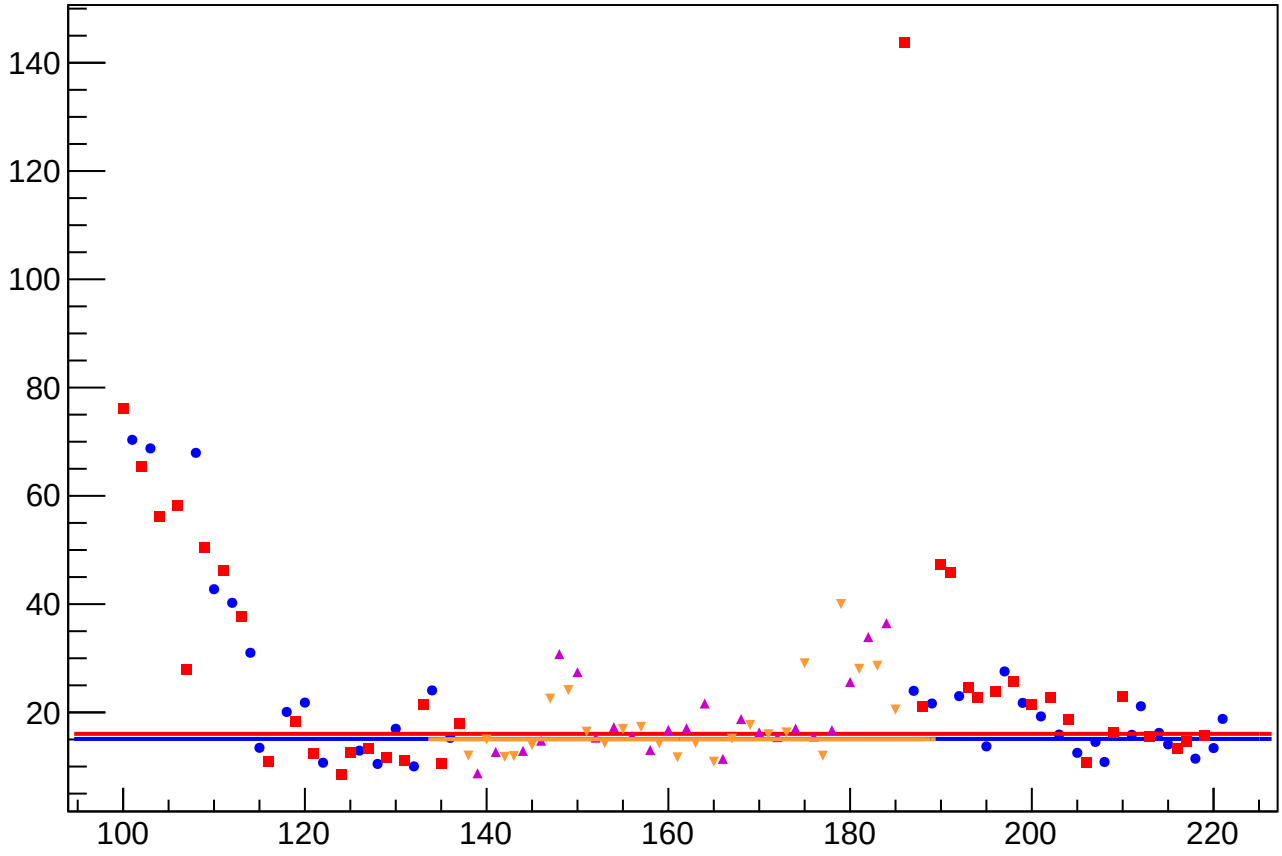
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 155.7/118

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.097+/-0.003 χ^2/NDF: 5086259.0/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

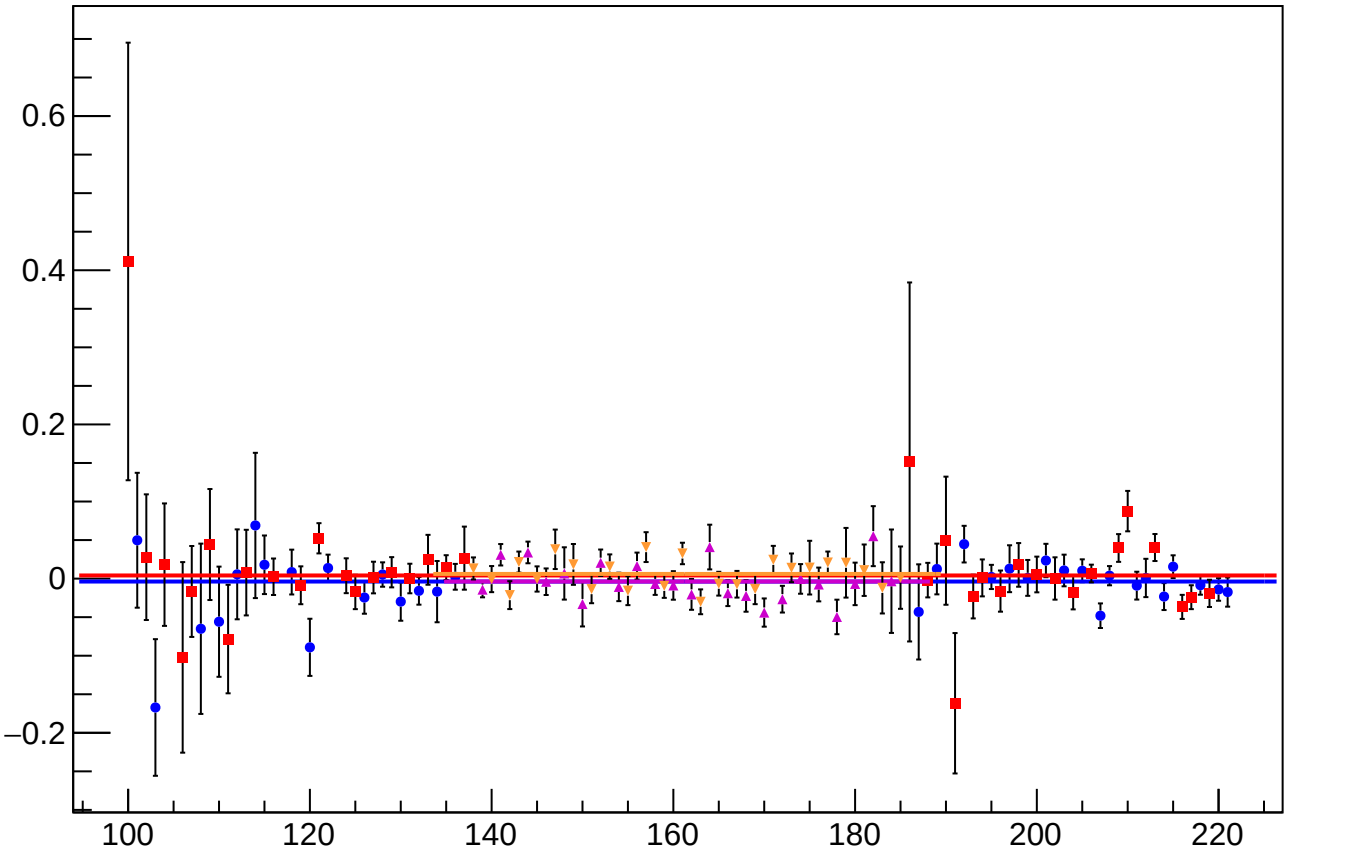
Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.072+/-0.002 χ^2/NDF: 7844741.2/58

All: 15.290+/-0.001 χ^2/NDF: 17644250.4/118

- sign 15.540+/-0.002 χ^2/NDF: 9768471.1/59



Right In: -0.004+/-0.004 χ^2/NDF: 35.7/33

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

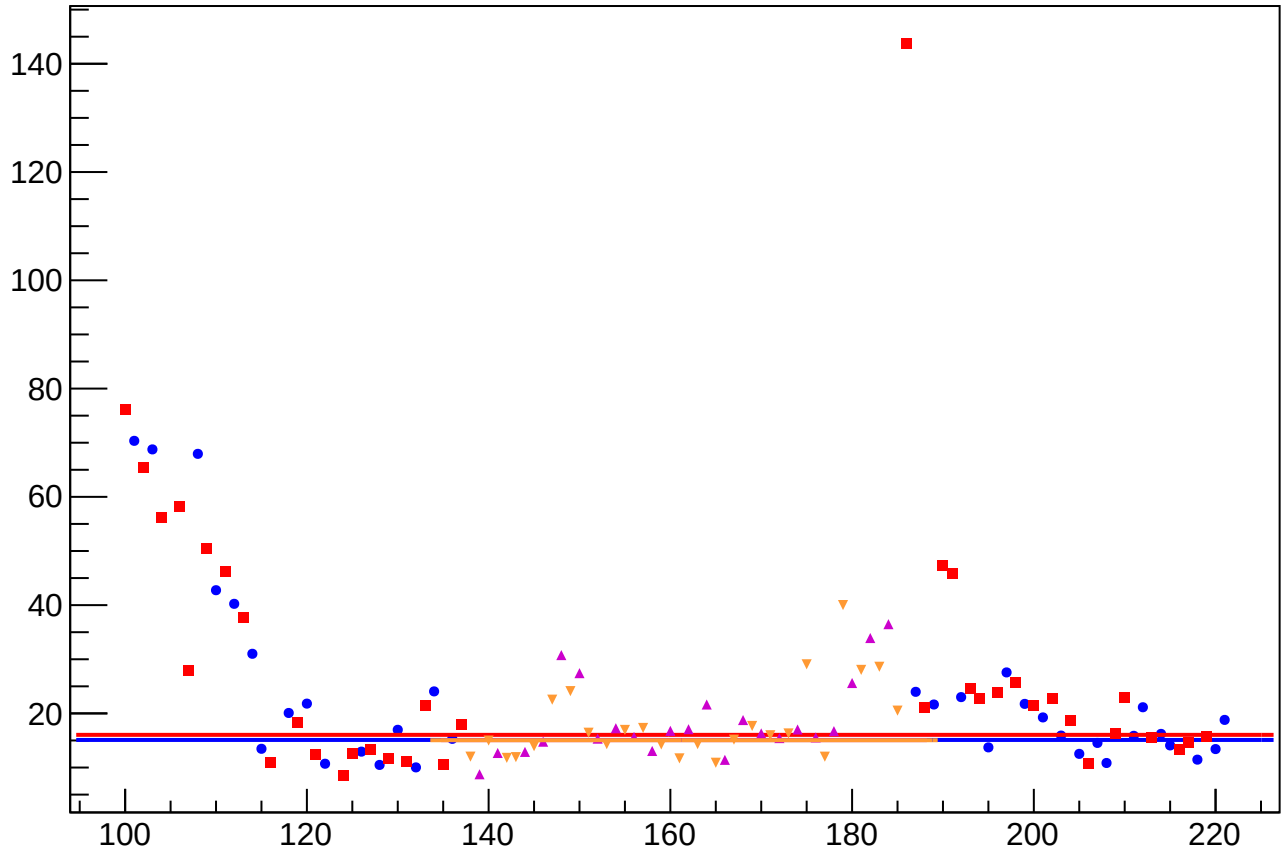
Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 66.1/58

All: 0.001+/-0.002 χ^2/NDF: 155.7/118

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59



Right In: 15.097+/-0.003 χ^2/NDF: 5086259.0/33

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

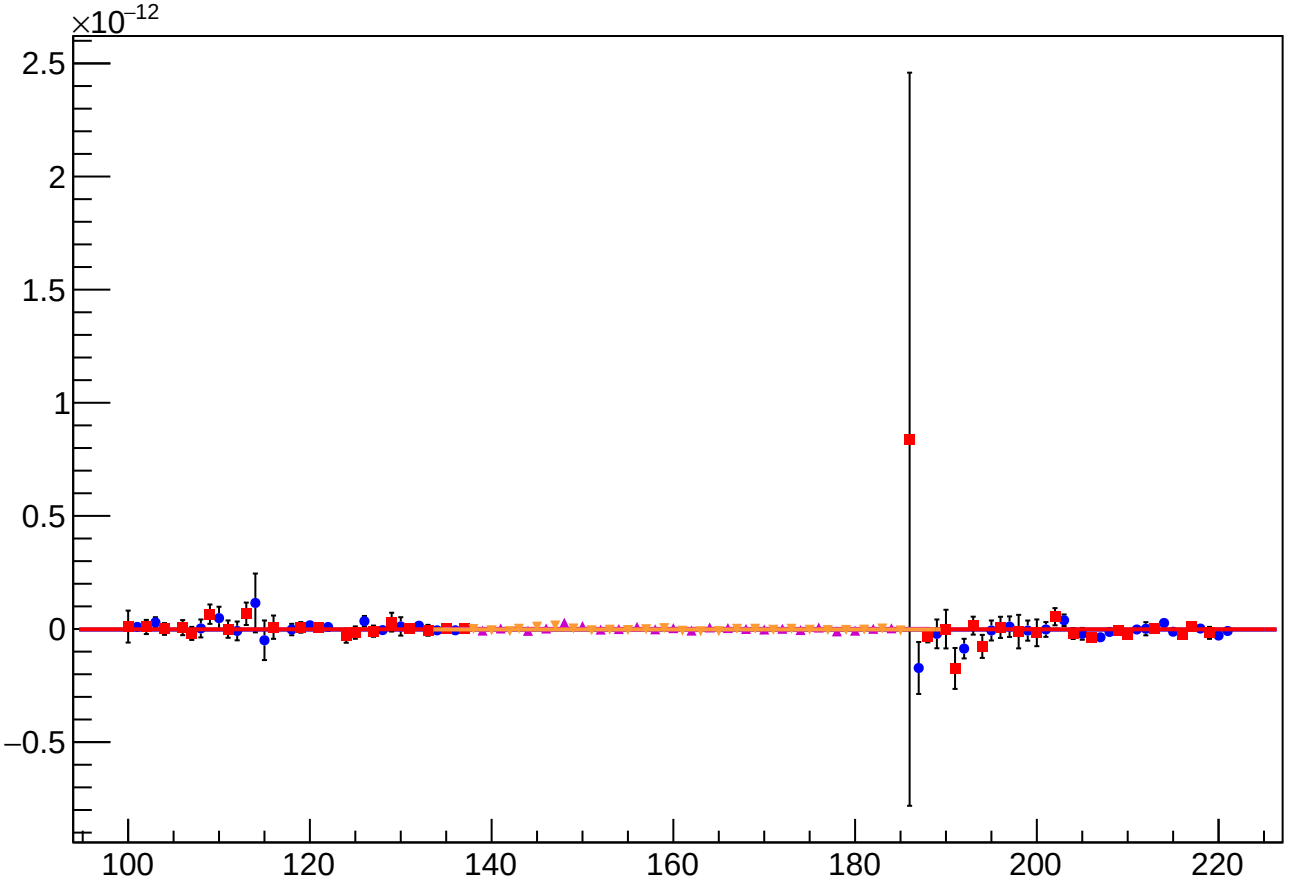
Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.072+/-0.002 χ^2/NDF: 7844741.2/58

All: 15.290+/-0.001 χ^2/NDF: 17644250.4/118

- sign 15.540+/-0.002 χ^2/NDF: 9768471.1/59

asym_sam1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

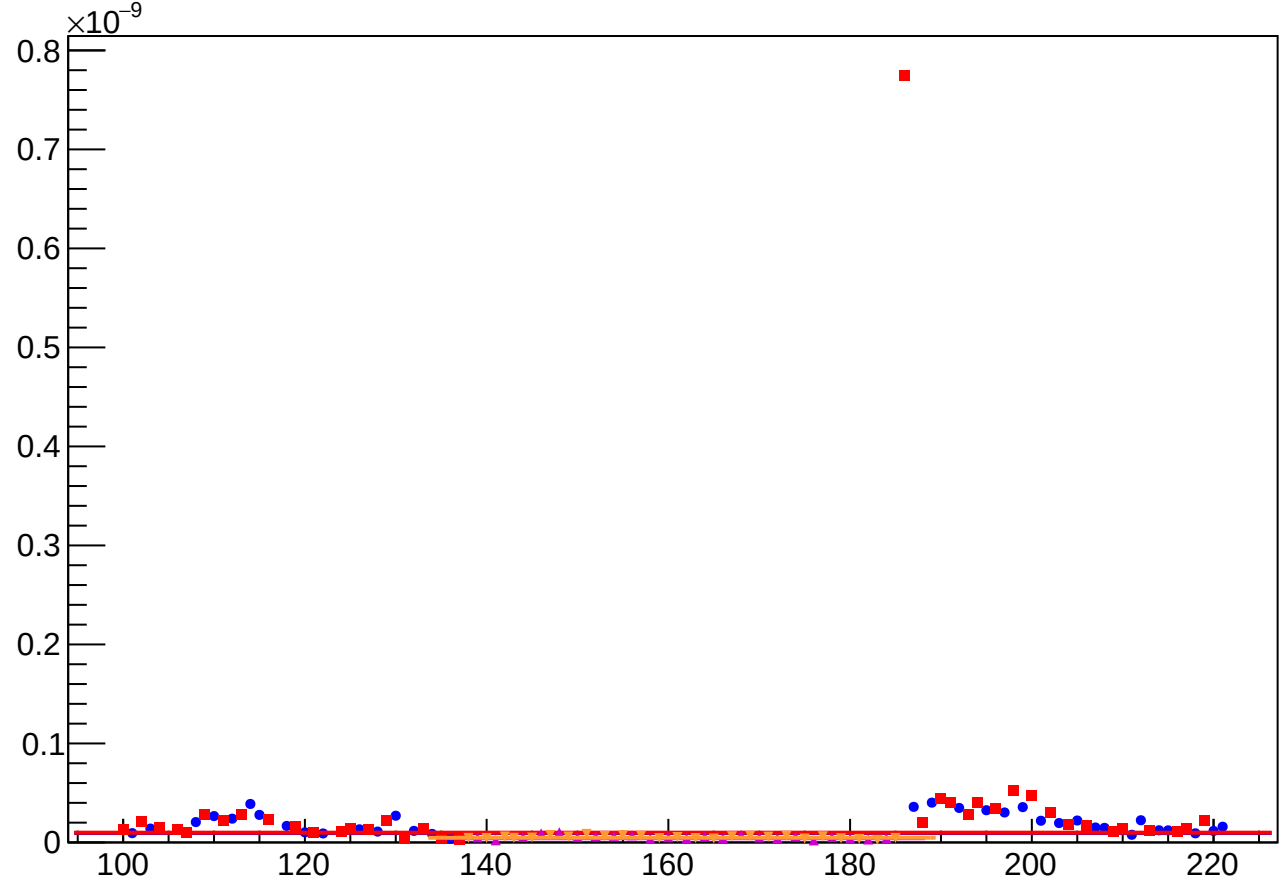
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.3/58

All: -0.000+/-0.000 χ^2/NDF: 95.7/118

- sign 0.000+/-0.000 χ^2/NDF: 48.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 9702057.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11744749.0/36

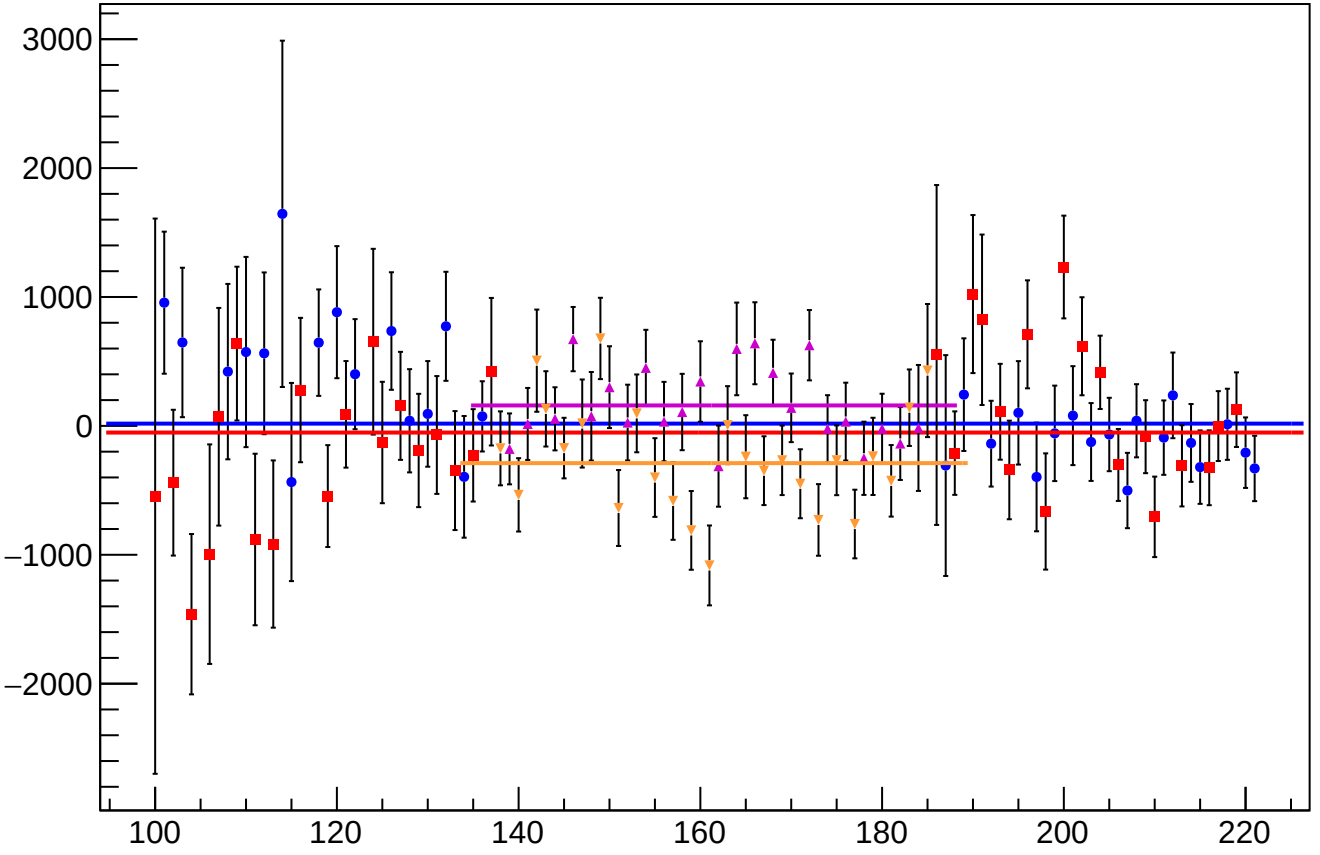
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16037149.6/58

All: 0.000+/-0.000 χ^2/NDF: 36513880.7/118

- sign 0.000+/-0.000 χ^2/NDF: 20294532.3/59

reg_asym_sam2_mean vs Slug



Right In: 17.578+/-63.739 χ^2/NDF: 30.0/33

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -51.730+/-67.791 χ^2/NDF: 50.8/36

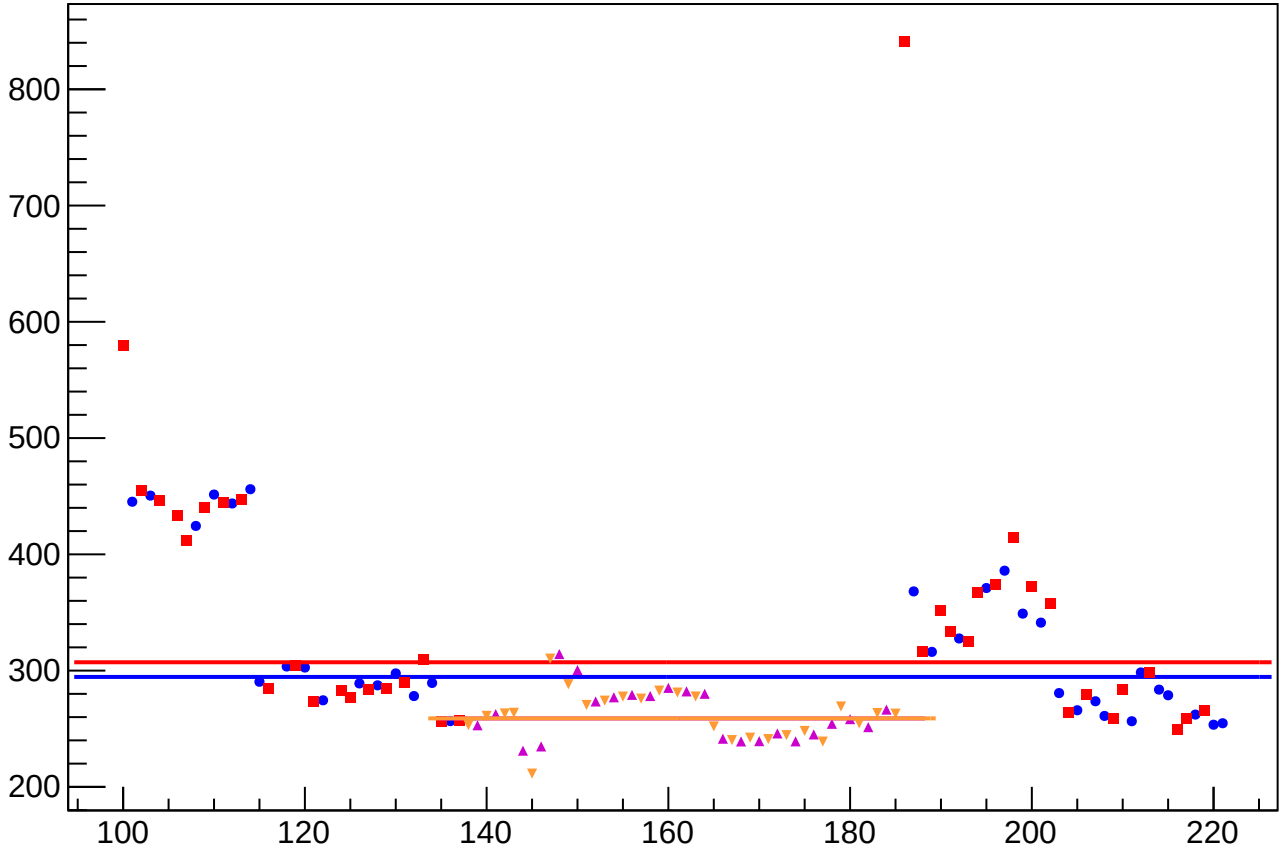
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -147.399+/-43.312 χ^2/NDF: 84.9/58

All: -45.789+/-31.280 χ^2/NDF: 175.0/118

- sign 64.994+/-45.224 χ^2/NDF: 78.7/59

reg_asym_sam2_rms vs Slug



Right In: 294.565+/-0.045 χ^2/NDF: 1156118.1/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.178+/-0.048 χ^2/NDF: 1690784.5/36

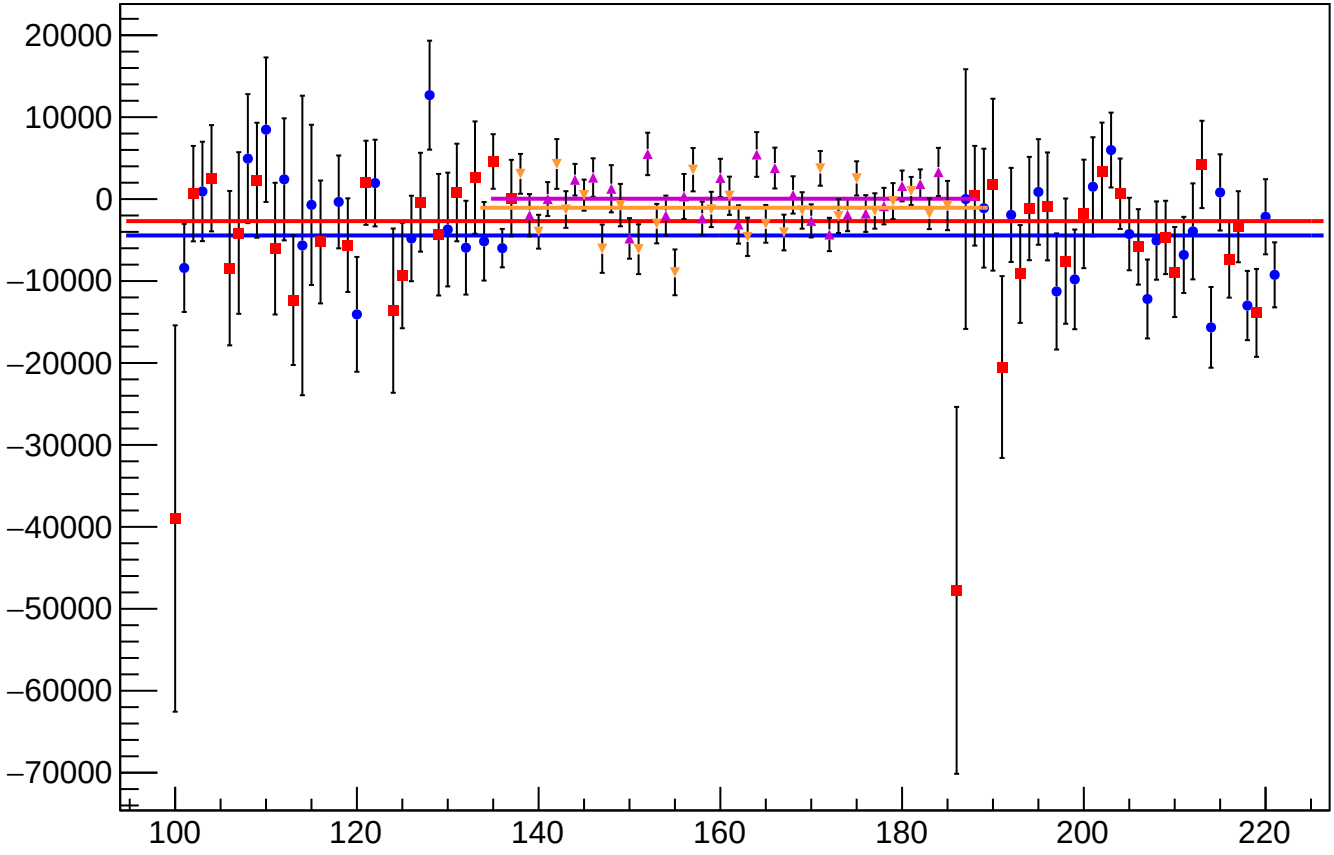
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.374+/-0.031 χ^2/NDF: 1741677.2/58

All: 277.757+/-0.022 χ^2/NDF: 4254323.2/118

- sign 280.354+/-0.032 χ^2/NDF: 2499996.2/59

asym_sam2_reg_correction_mean vs Slug



Right In: -4437.958+/-907.846 χ^2/NDF: 41.1/33

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -2687.152+/-988.507 χ^2/NDF: 35.1/36

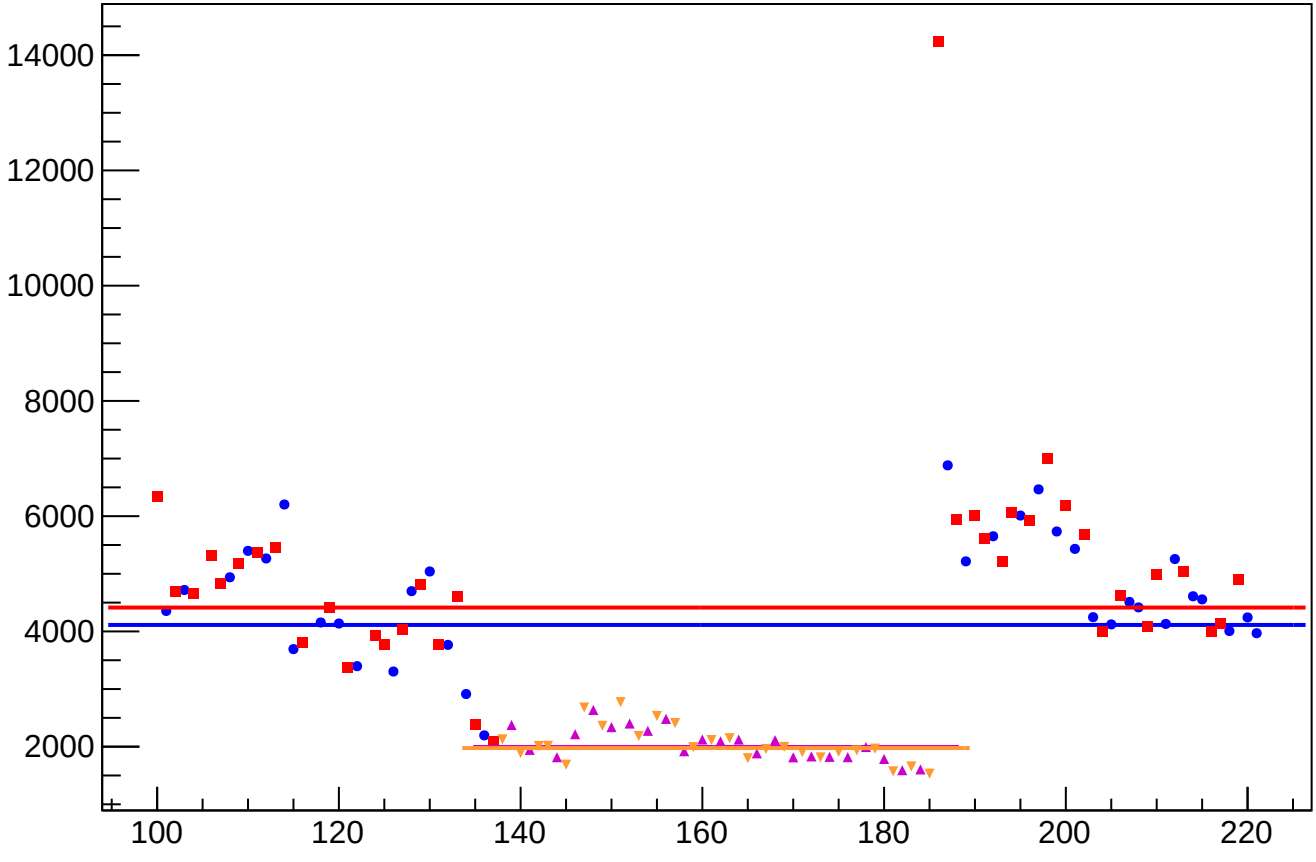
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1736.713+/-406.523 χ^2/NDF: 93.7/58

All: -1126.929+/-293.763 χ^2/NDF: 173.9/118

- sign -460.517+/-424.980 χ^2/NDF: 75.4/59

asym_sam2_reg_correction_rms vs Slug



Right In: 4112.549+/-0.642 χ^2/NDF: 2797985.6/33

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4414.251+/-0.699 χ^2/NDF: 2971293.2/36

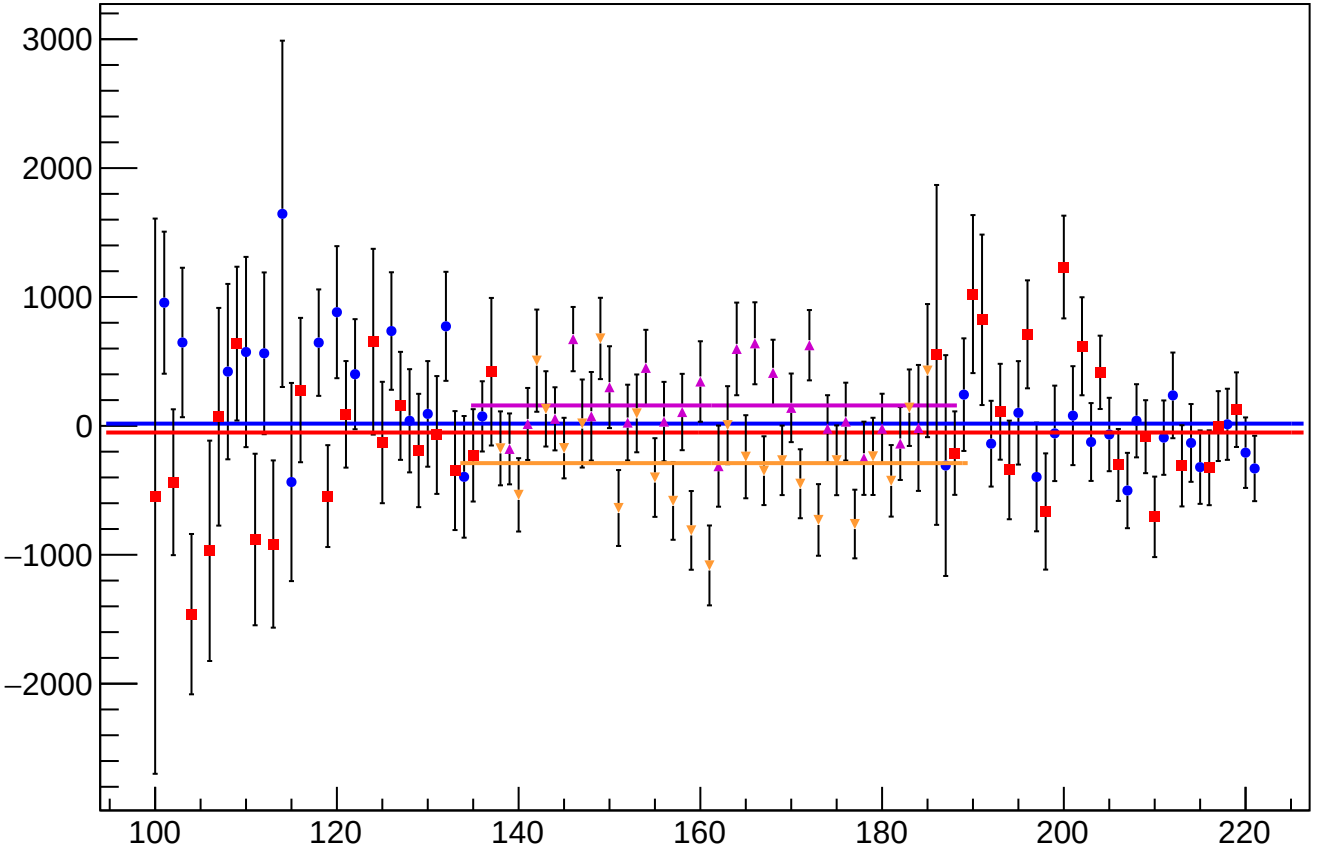
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2404.383+/-0.287 χ^2/NDF: 12417679.8/58

All: 2422.337+/-0.208 χ^2/NDF: 25764231.9/1

- sign 2441.959+/-0.301 χ^2/NDF: 13338387.6/59

cor_asym_sam2_mean vs Slug



Right In: 17.556+/-63.739 χ^2/NDF: 30.0/33

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -51.460+/-67.793 χ^2/NDF: 50.7/36

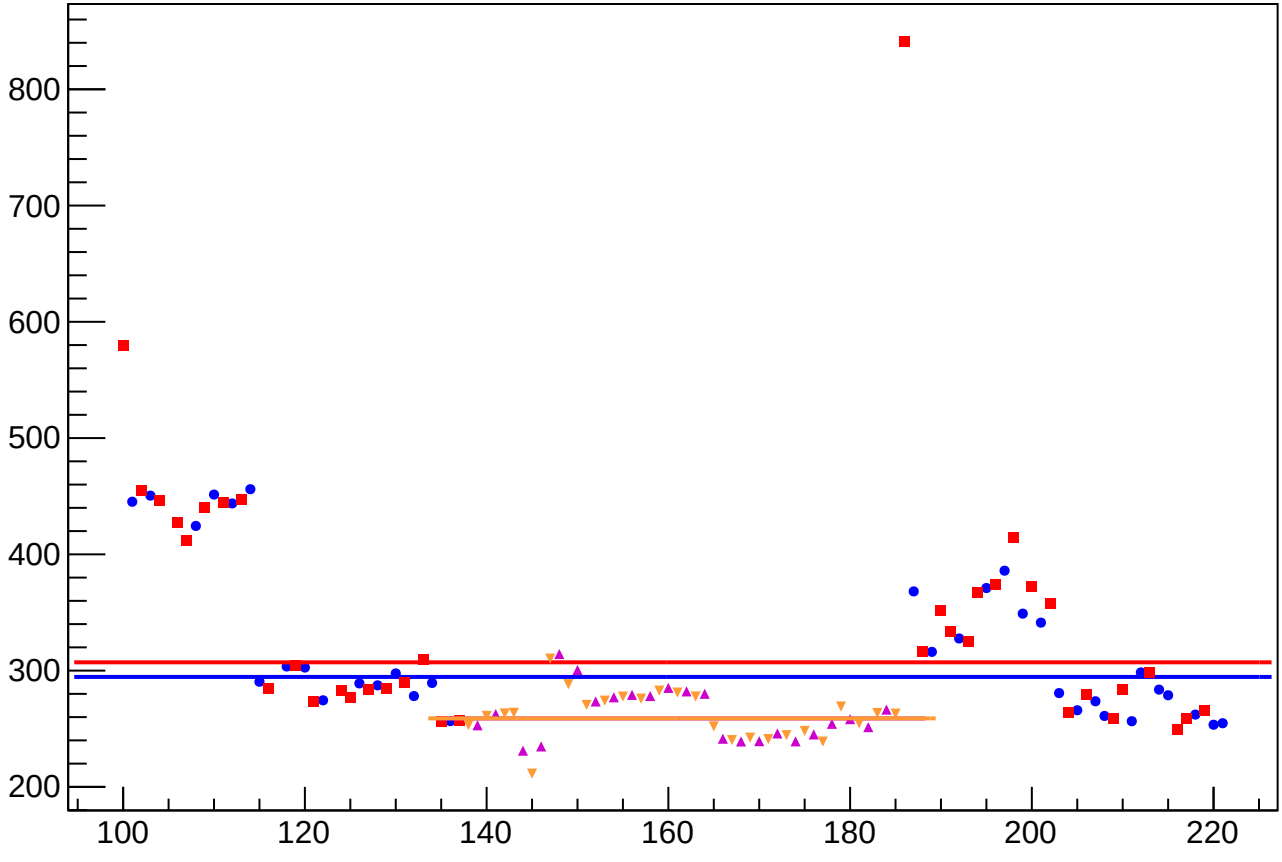
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.411+/-43.312 χ^2/NDF: 84.9/58

All: -45.734+/-31.280 χ^2/NDF: 175.0/118

- sign 65.124+/-45.225 χ^2/NDF: 78.6/59

cor_asym_sam2_rms vs Slug



Right In: 294.565+/-0.045 χ^2/NDF: 1156119.6/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

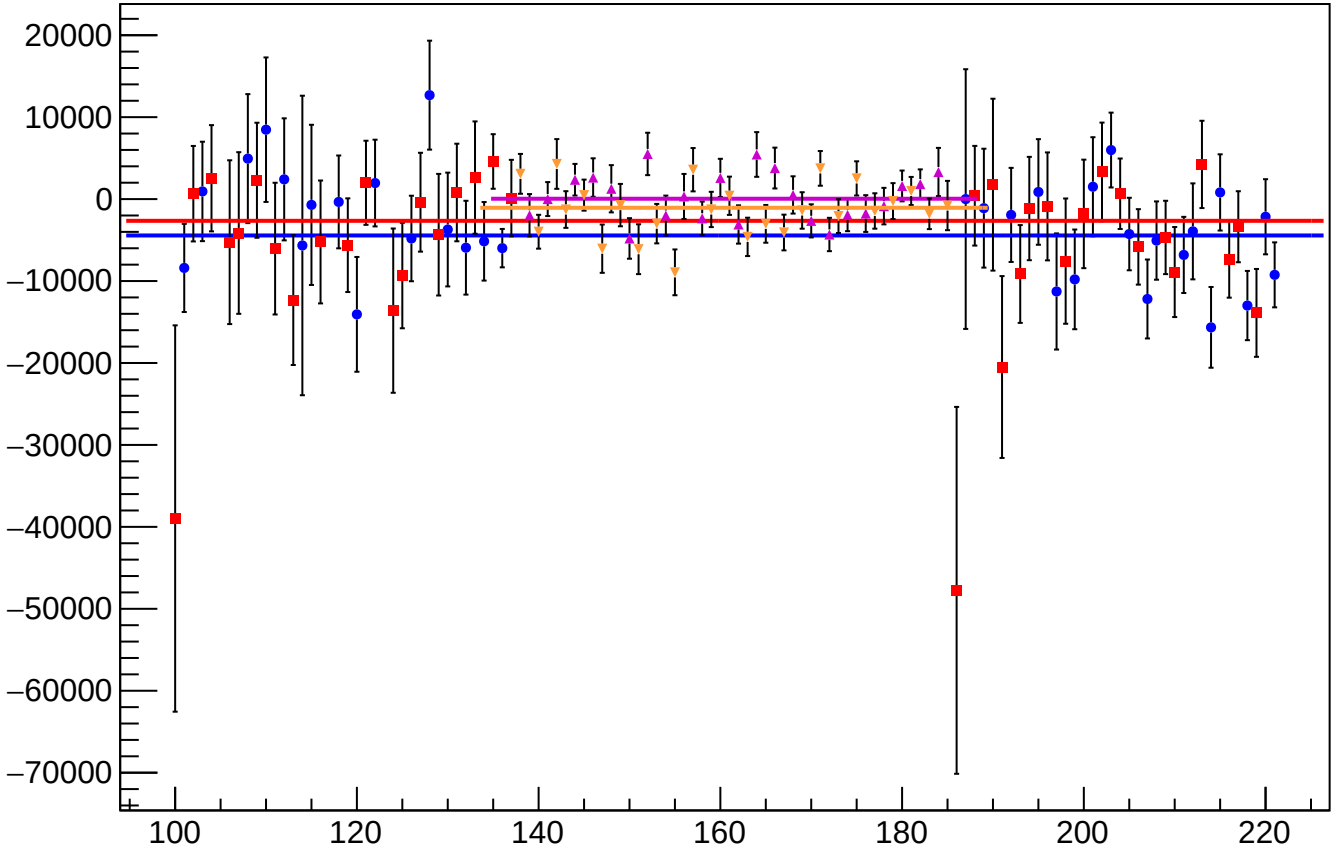
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.374+/-0.031 χ^2/NDF: 1741678.8/58

All: 277.746+/-0.022 χ^2/NDF: 4248392.1/118

- sign 280.332+/-0.032 χ^2/NDF: 2494175.3/59

asym_sam2_cor_correction_mean vs Slug



Right In: -4437.943+/-907.847 χ^2/NDF: 41.1/33

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2649.385+/-989.130 χ^2/NDF: 34.7/36

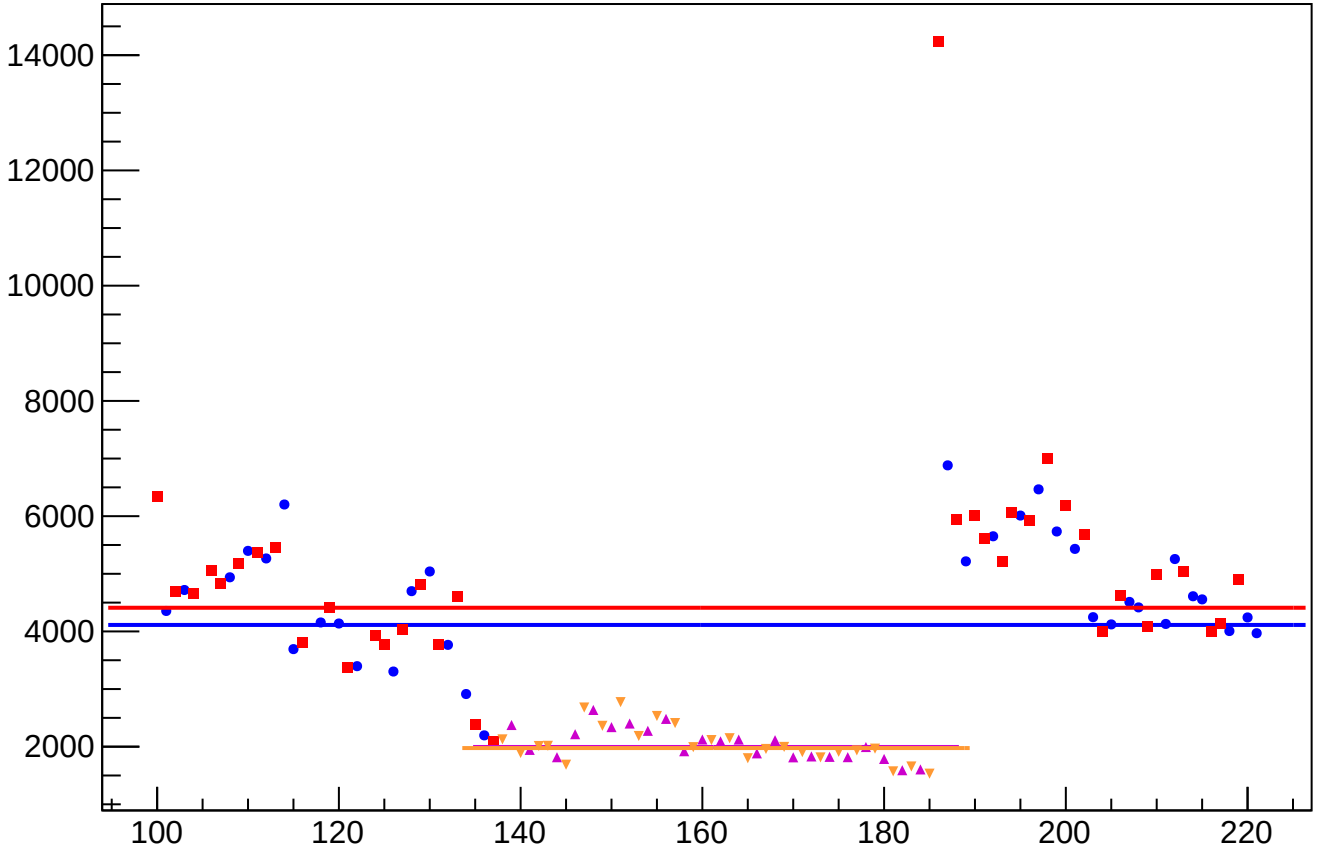
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1736.712+/-406.523 χ^2/NDF: 93.7/58

All: -1123.425+/-293.780 χ^2/NDF: 173.4/118

- sign -453.029+/-425.029 χ^2/NDF: 75.0/59

asym_sam2_cor_correction_rms vs Slug



Right In: 4112.553+/-0.642 χ^2/NDF: 2797993.5/33

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

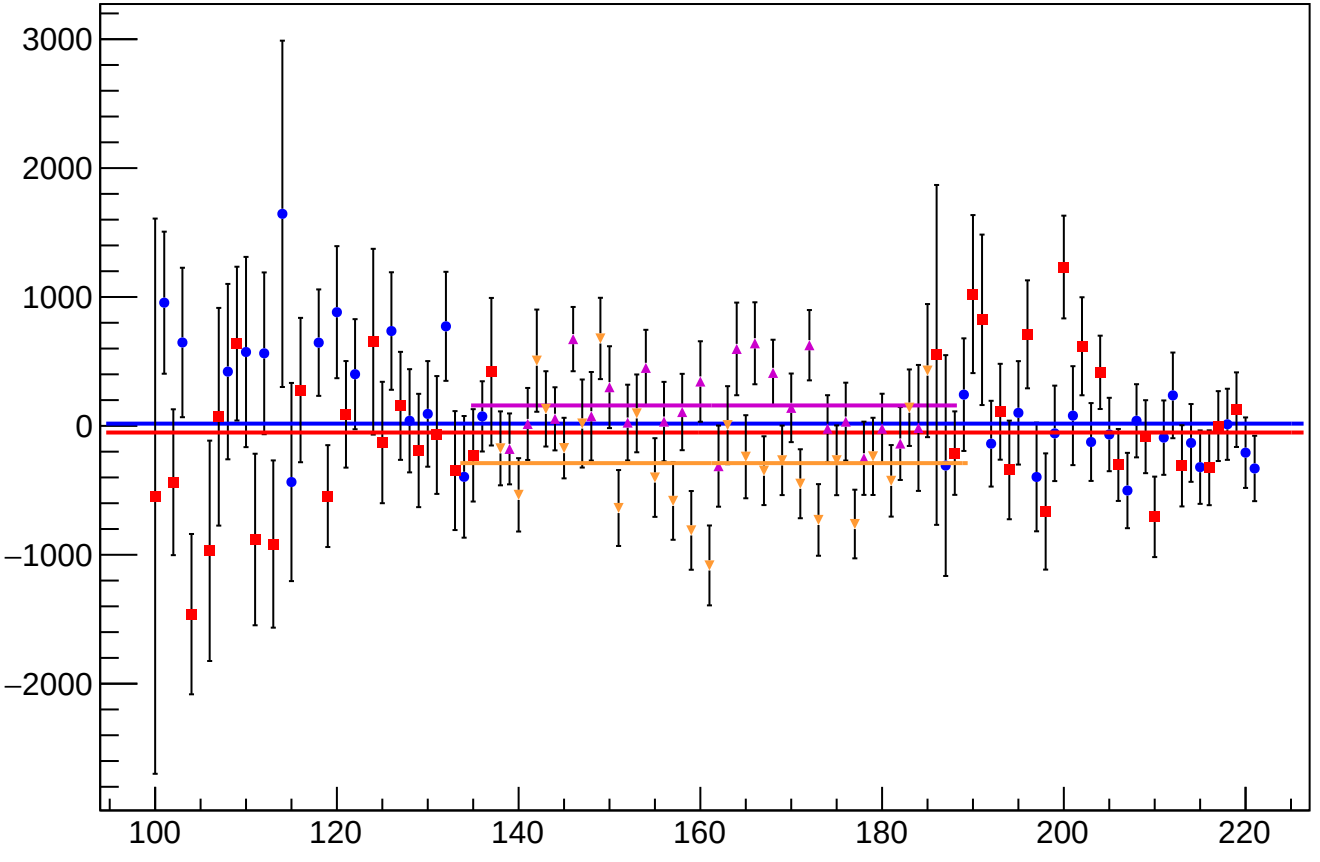
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2404.383+/-0.287 χ^2/NDF: 12417701.3/58

All: 2421.812+/-0.208 χ^2/NDF: 25716413.9/1

- sign 2440.864+/-0.301 χ^2/NDF: 13291017.8/59

eigen_cor_asym_sam2_mean vs Slug



Right In: 17.556+/-63.739 χ^2/NDF: 30.0/33

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -51.460+/-67.793 χ^2/NDF: 50.7/36

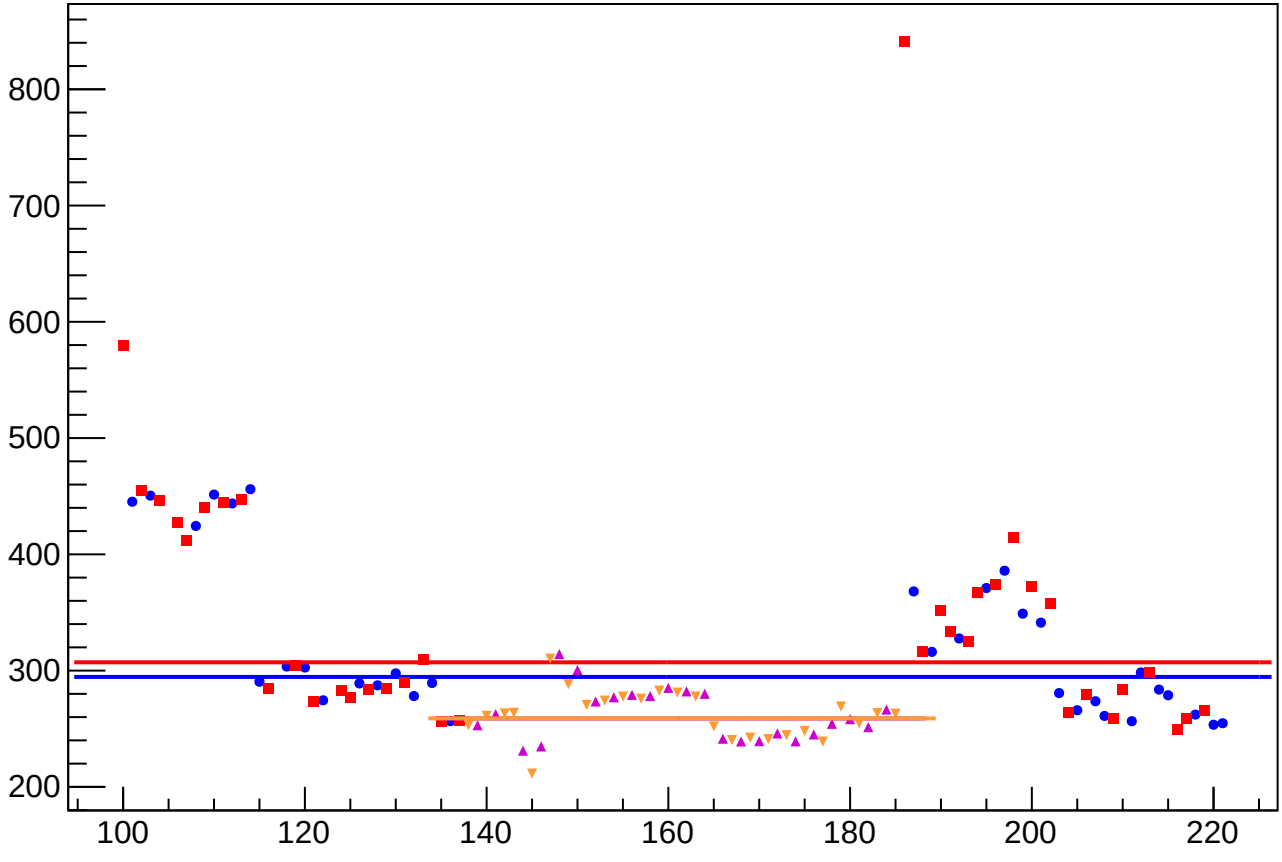
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -147.411+/-43.312 χ^2/NDF: 84.9/58

All: -45.734+/-31.280 χ^2/NDF: 175.0/118

- sign 65.124+/-45.225 χ^2/NDF: 78.6/59

eigen_cor_asym_sam2_rms vs Slug



Right In: 294.565+/-0.045 χ^2/NDF: 1156119.6/33

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

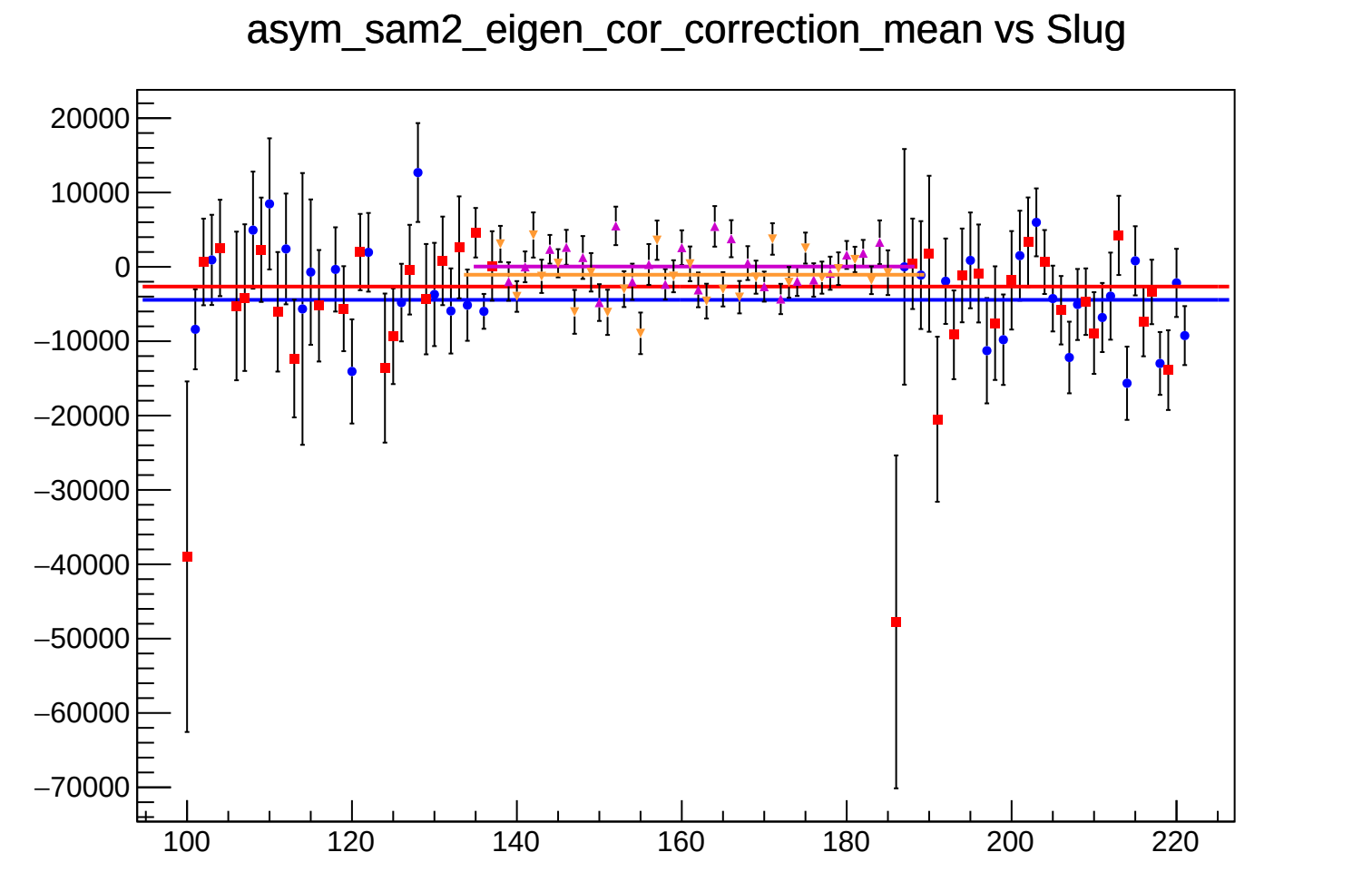
Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.374+/-0.031 χ^2/NDF: 1741678.8/58

All: 277.746+/-0.022 χ^2/NDF: 4248392.1/118

- sign 280.332+/-0.032 χ^2/NDF: 2494175.3/59



Right In: -4437.943+/-907.847 χ^2/NDF: 41.1/33

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2649.385+/-989.130 χ^2/NDF: 34.7/36

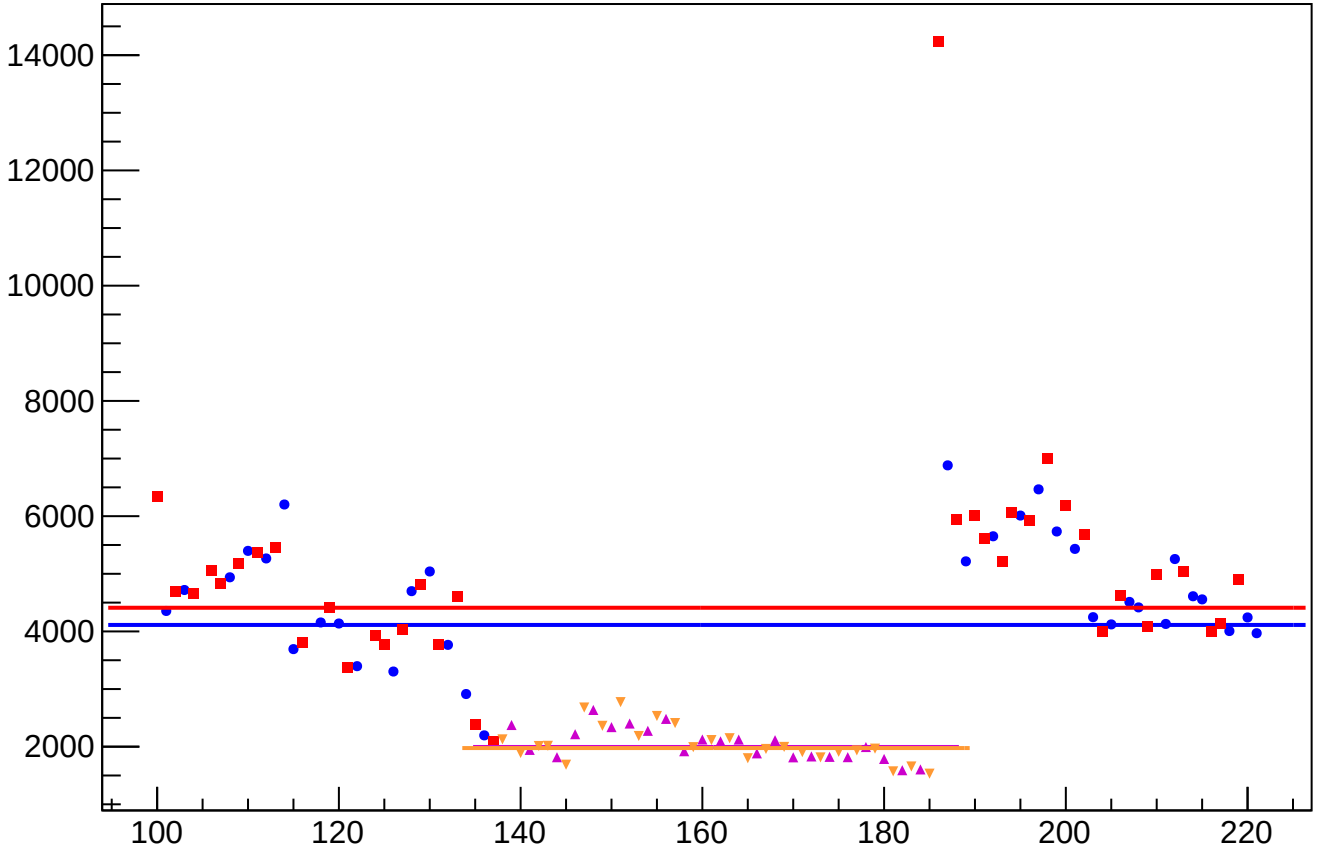
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1736.712+/-406.523 χ^2/NDF: 93.7/58

All: -1123.425+/-293.780 χ^2/NDF: 173.4/118

- sign -453.029+/-425.029 χ^2/NDF: 75.0/59

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4112.553+/-0.642 χ^2/NDF: 2797993.5/33

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

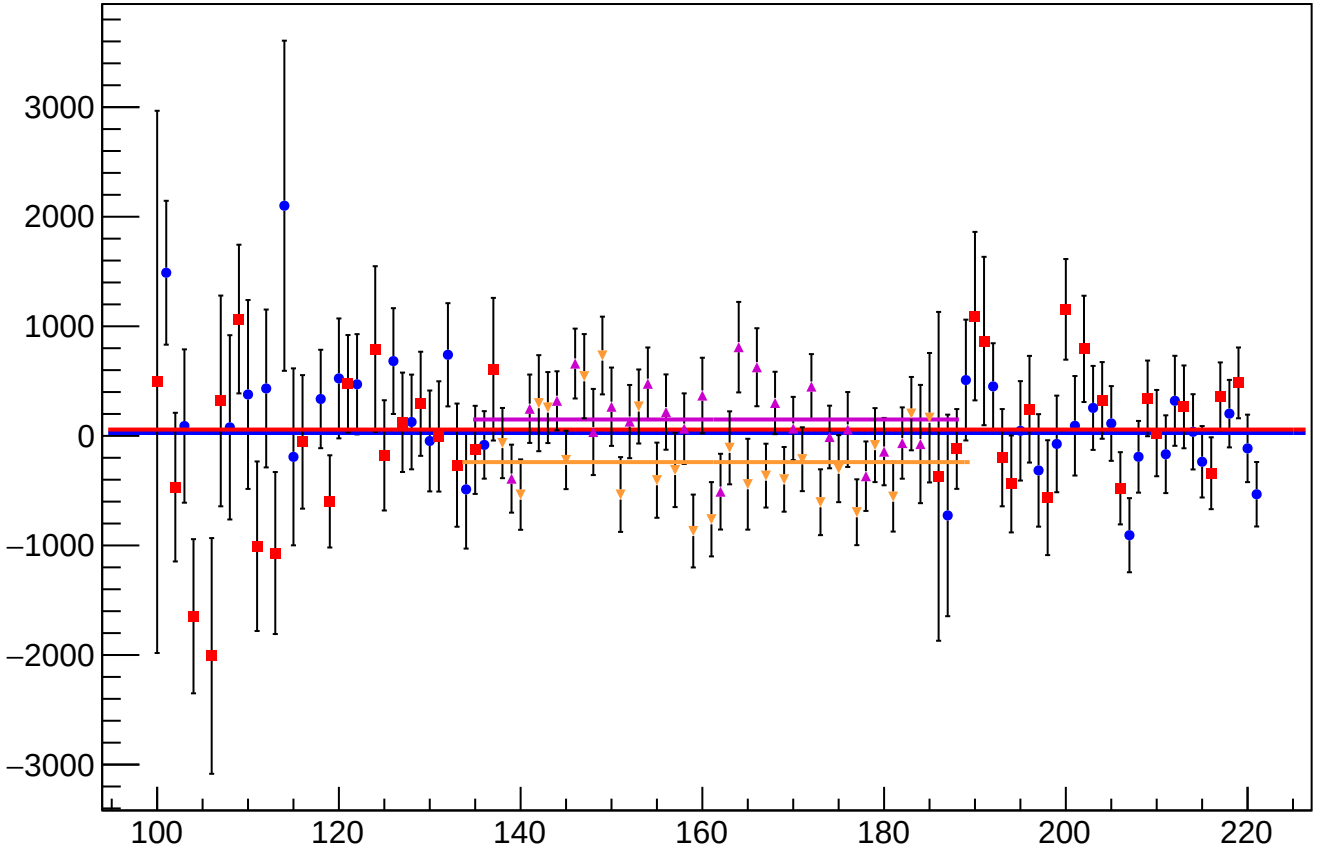
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2404.383+/-0.287 χ^2/NDF: 12417701.3/58

All: 2421.812+/-0.208 χ^2/NDF: 25716413.9/1

- sign 2440.864+/-0.301 χ^2/NDF: 13291017.8/59

dit_asym_sam2_mean vs Slug



Right In: 26.263+/-73.650 χ^2/NDF: 32.1/33

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 57.626+/-78.362 χ^2/NDF: 45.5/36

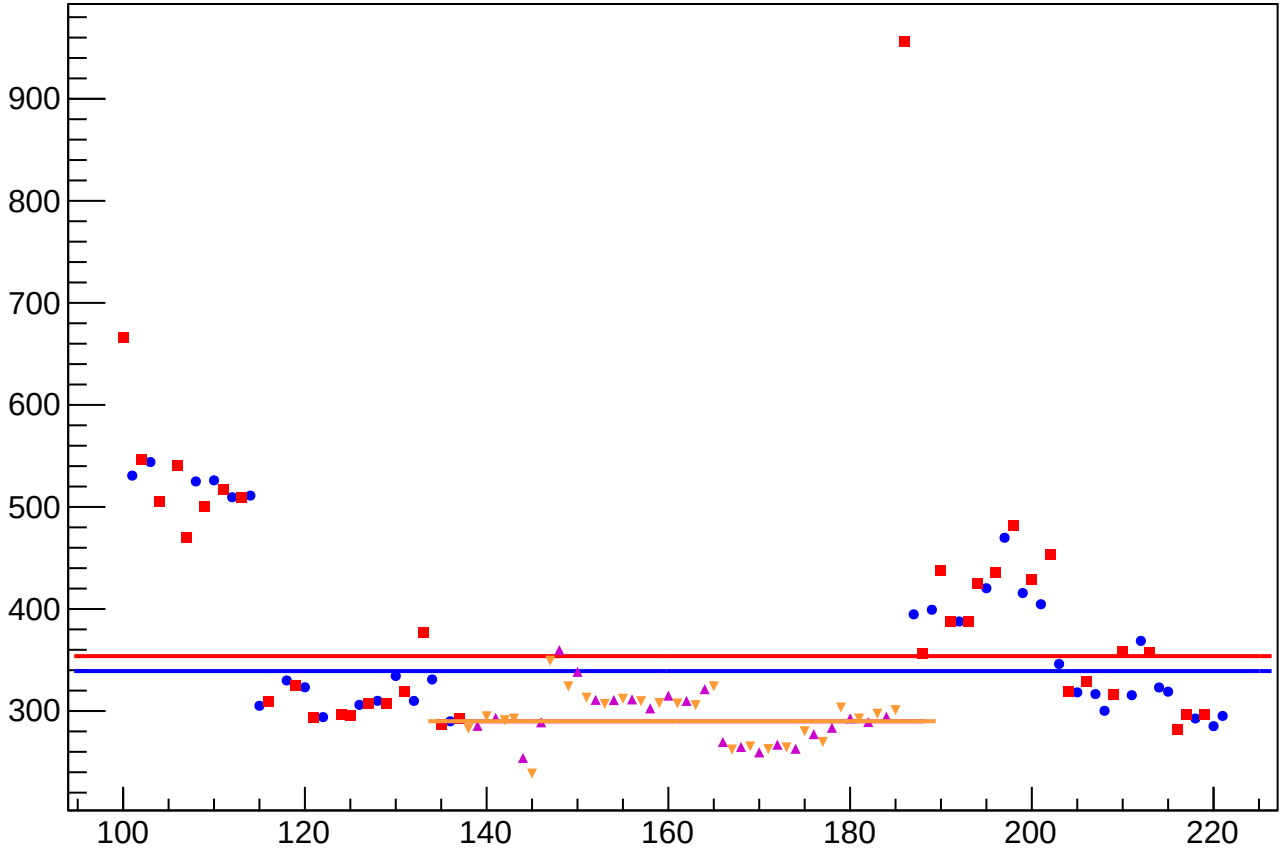
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

\+ sign -120.827+/-49.221 χ^2/NDF: 73.4/58

All: -10.502+/-35.559 χ^2/NDF: 151.9/118

\- sign 109.938+/-51.427 χ^2/NDF: 68.0/59

dit_asym_sam2_rms vs Slug



Right In: 339.131+/-0.052 χ^2/NDF: 1359929.2/33

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 353.780+/-0.055 χ^2/NDF: 1874497.7/36

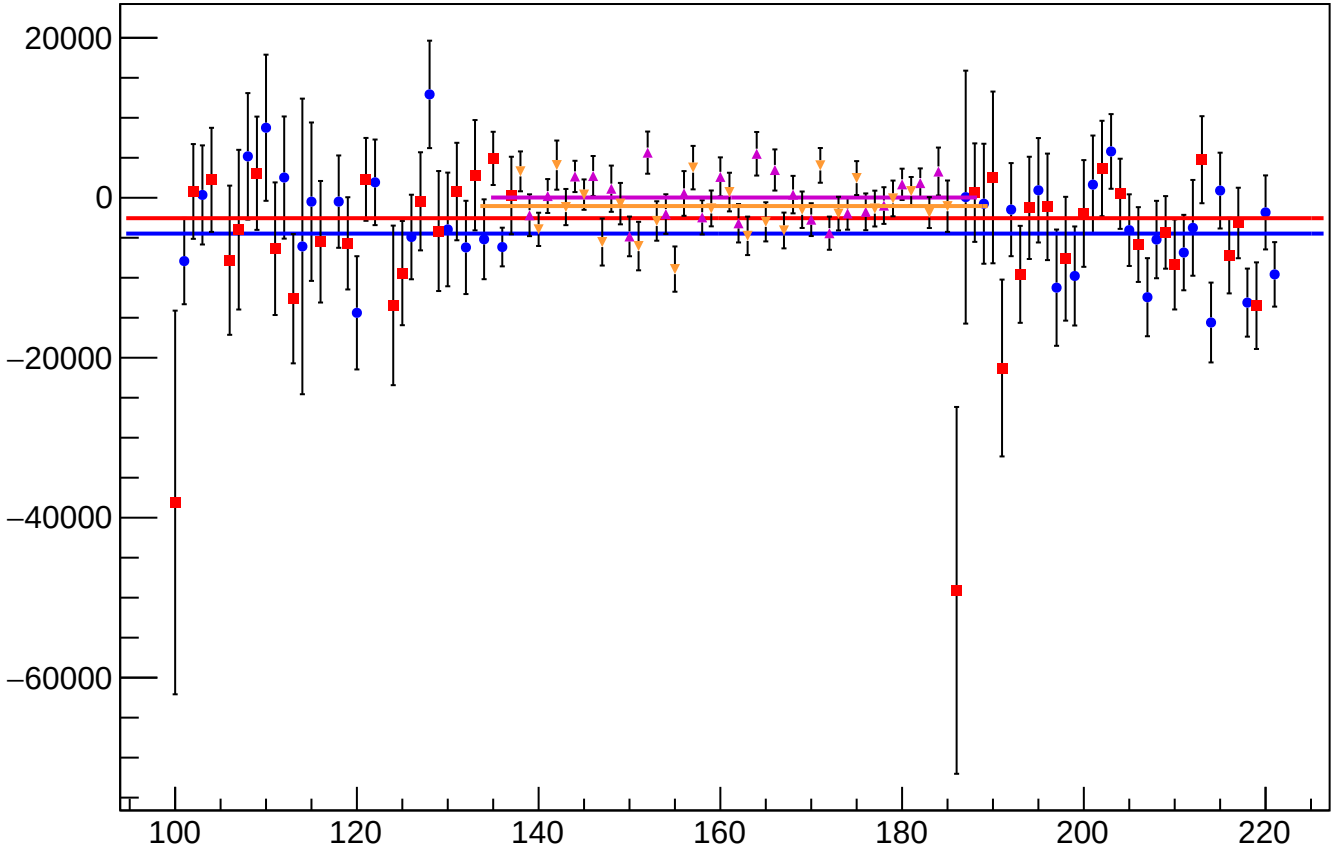
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 311.956+/-0.035 χ^2/NDF: 2132615.1/58

All: 314.576+/-0.025 χ^2/NDF: 5044295.0/118

- sign 317.437+/-0.036 χ^2/NDF: 2899824.3/59

asym_sam2_dit_correction_mean vs Slug



Right In: -4478.947+/-924.673 χ^2/NDF: 40.8/33

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -2553.592+/-1001.324 χ^2/NDF: 35.4/36

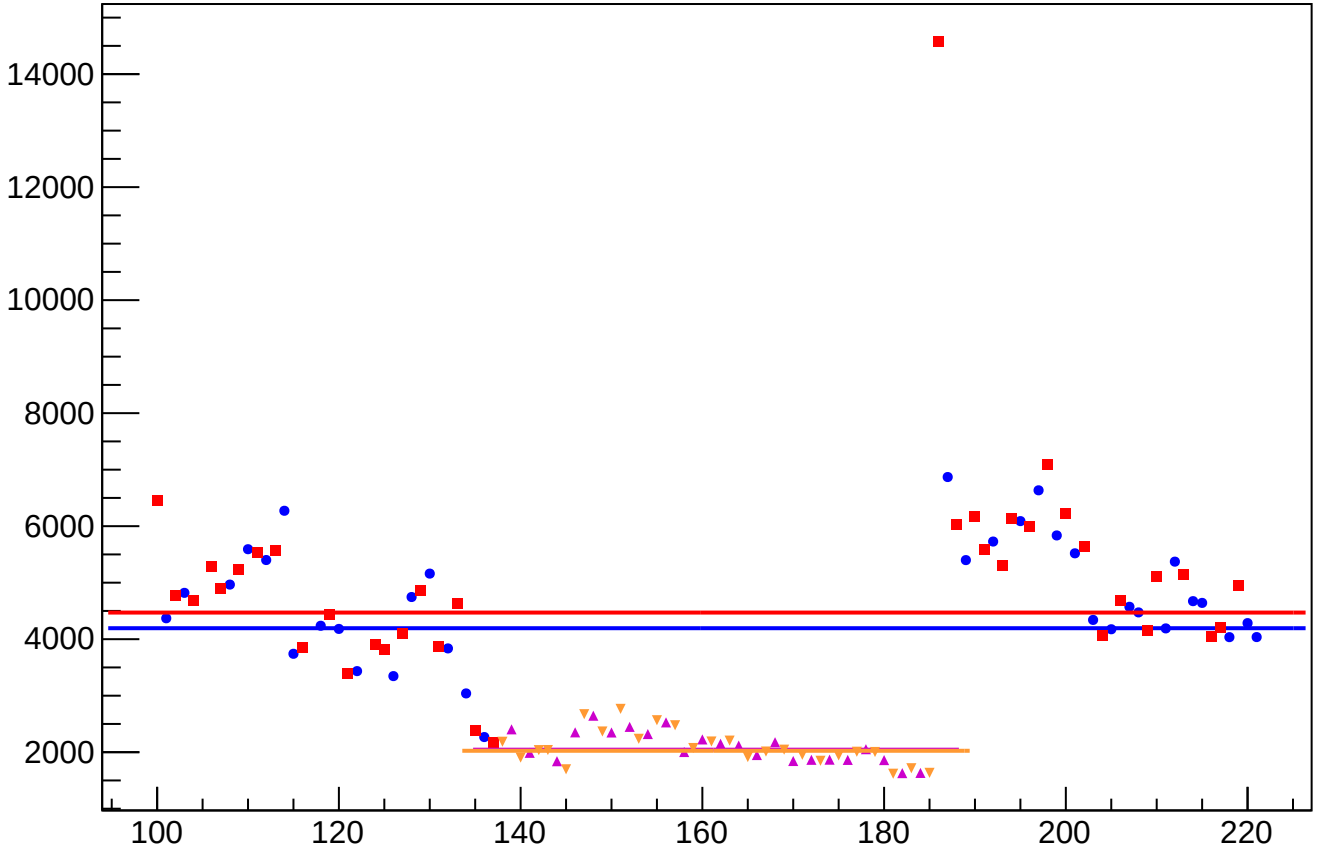
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1732.185+/-415.660 χ^2/NDF: 92.1/58

All: -1122.451+/-300.358 χ^2/NDF: 171.5/118

- sign -456.166+/-434.508 χ^2/NDF: 74.9/59

asym_sam2_dit_correction_rms vs Slug



Right In: 4194.237+/-0.654 χ^2/NDF: 2710911.9/33

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4471.057+/-0.708 χ^2/NDF: 2965229.9/36

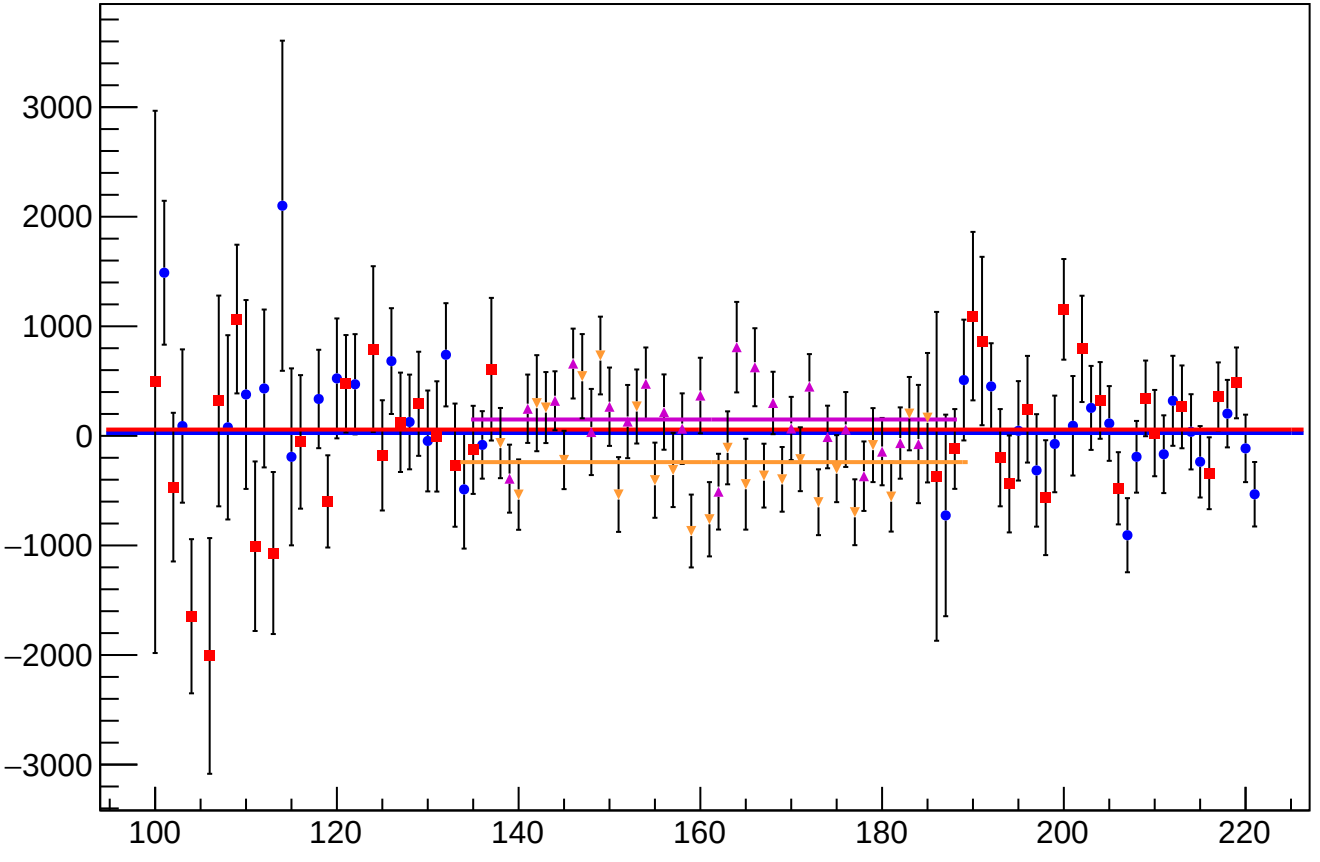
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2463.403+/-0.294 χ^2/NDF: 12193850.4/58

All: 2481.576+/-0.212 χ^2/NDF: 25285443.9/1

- sign 2501.435+/-0.307 χ^2/NDF: 13083593.0/59

eigen_dit_asym_sam2_mean vs Slug



Right In: 26.272+/-73.649 χ^2/NDF: 32.1/33

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 57.629+/-78.361 χ^2/NDF: 45.5/36

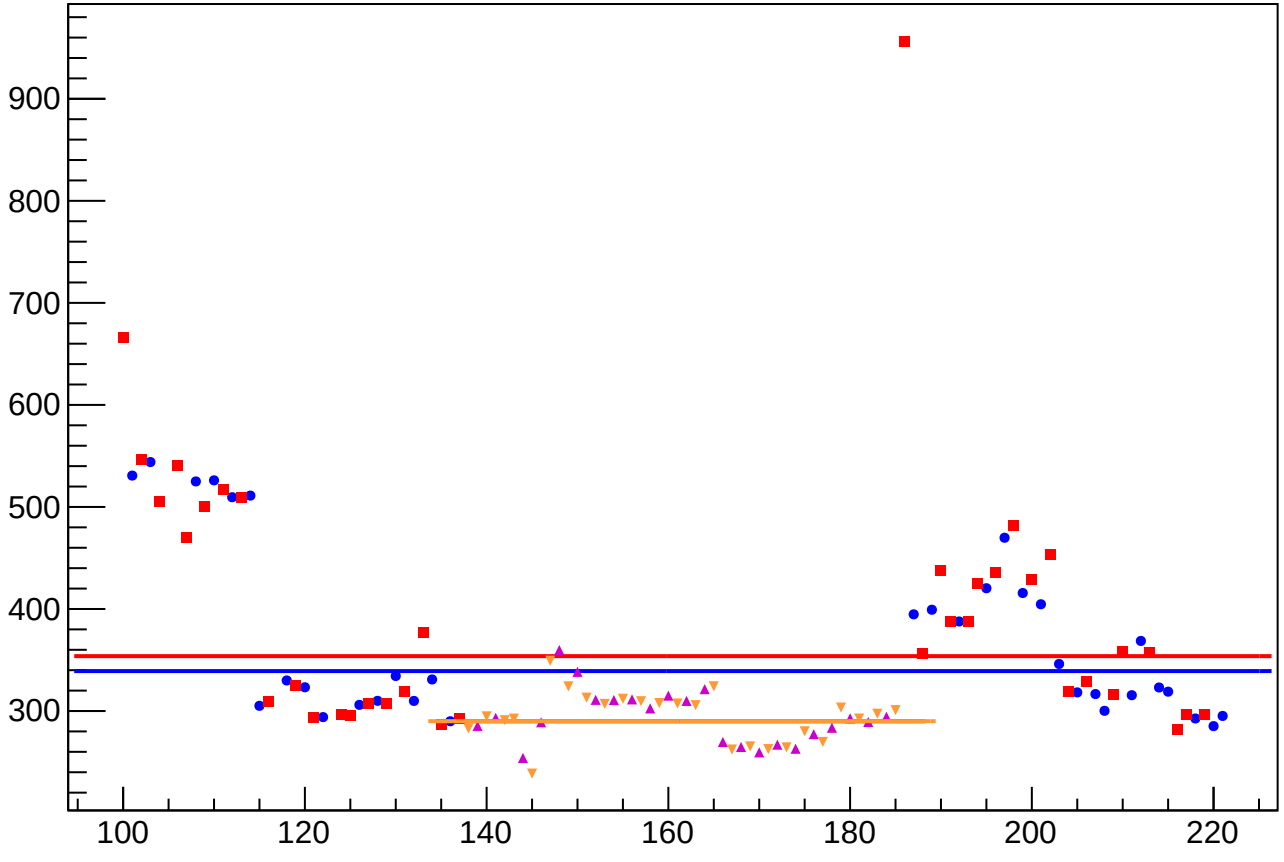
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -120.825+/-49.221 χ^2/NDF: 73.4/58

All: -10.500+/-35.559 χ^2/NDF: 151.9/118

- sign 109.940+/-51.427 χ^2/NDF: 68.0/59

eigen_dit_asym_sam2_rms vs Slug



Right In: 339.130+/-0.052 χ^2/NDF: 1359928.2/33

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 353.779+/-0.055 χ^2/NDF: 1874487.8/36

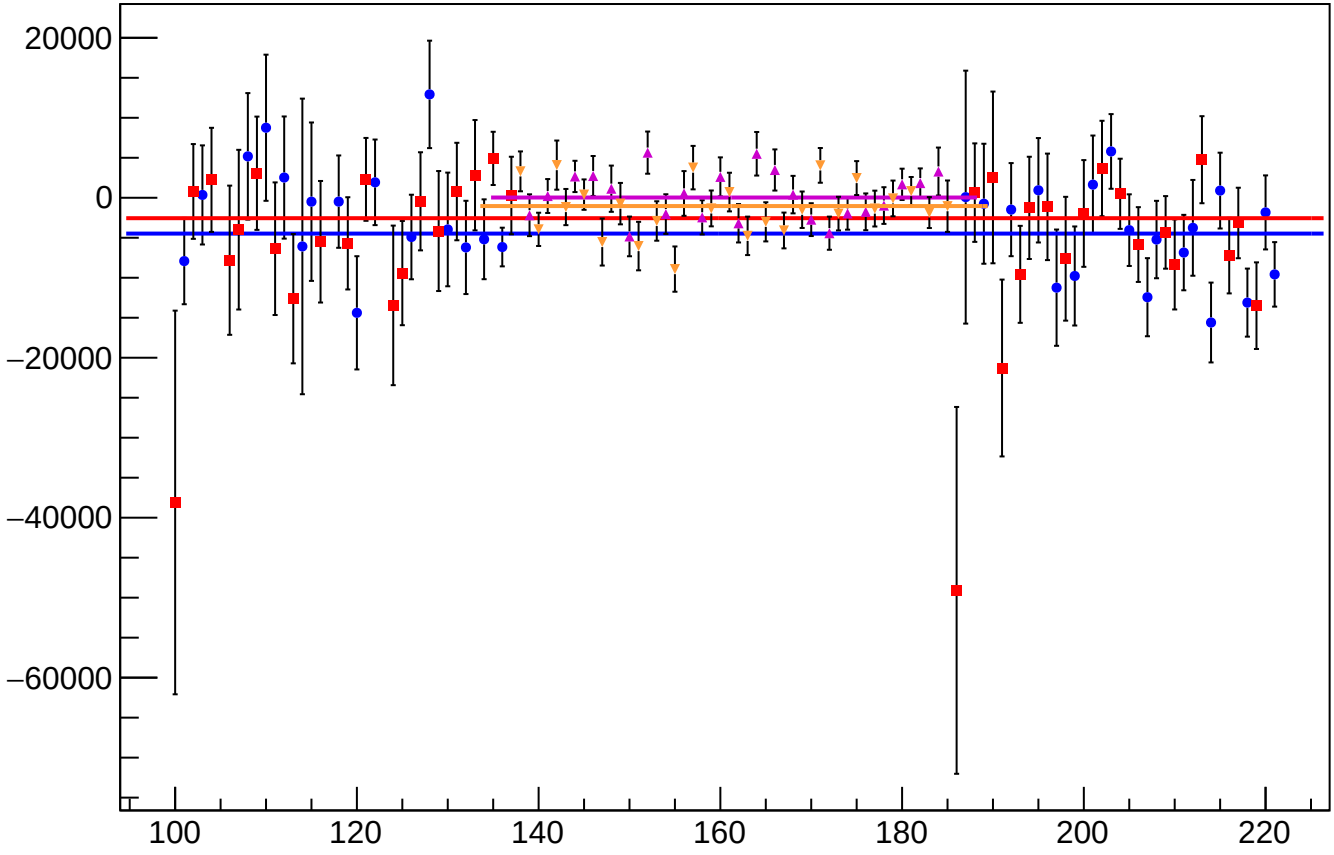
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 311.956+/-0.035 χ^2/NDF: 2132603.6/58

All: 314.576+/-0.025 χ^2/NDF: 5044269.1/118

- sign 317.437+/-0.036 χ^2/NDF: 2899809.5/59

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -4478.942+/-924.672 χ^2/NDF: 40.8/33

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -2553.589+/-1001.324 χ^2/NDF: 35.4/36

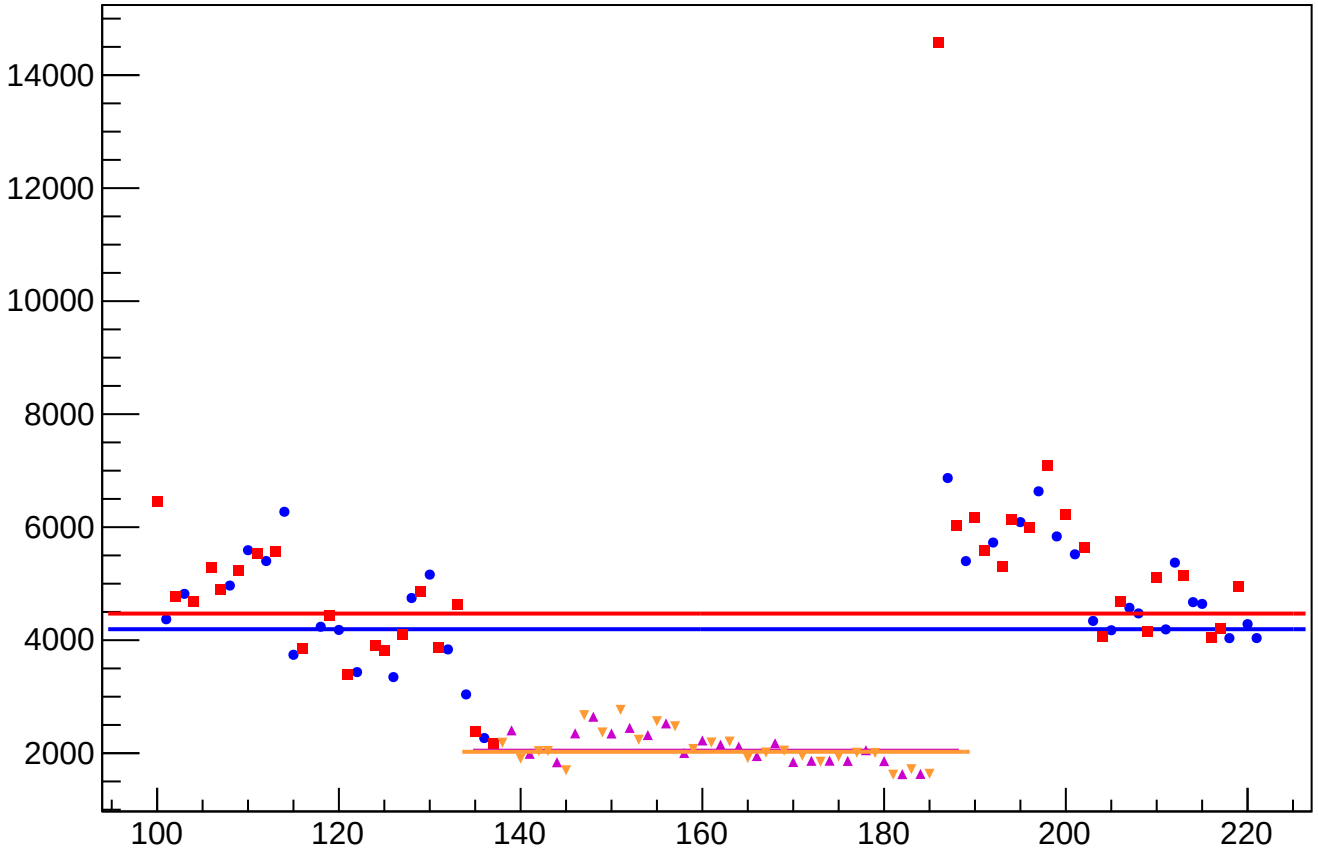
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1732.184+/-415.660 χ^2/NDF: 92.1/58

All: -1122.451+/-300.358 χ^2/NDF: 171.5/118

- sign -456.167+/-434.508 χ^2/NDF: 74.9/59

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4194.235+/-0.654 χ^2/NDF: 2710904.7/33

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4471.055+/-0.708 χ^2/NDF: 2965224.4/36

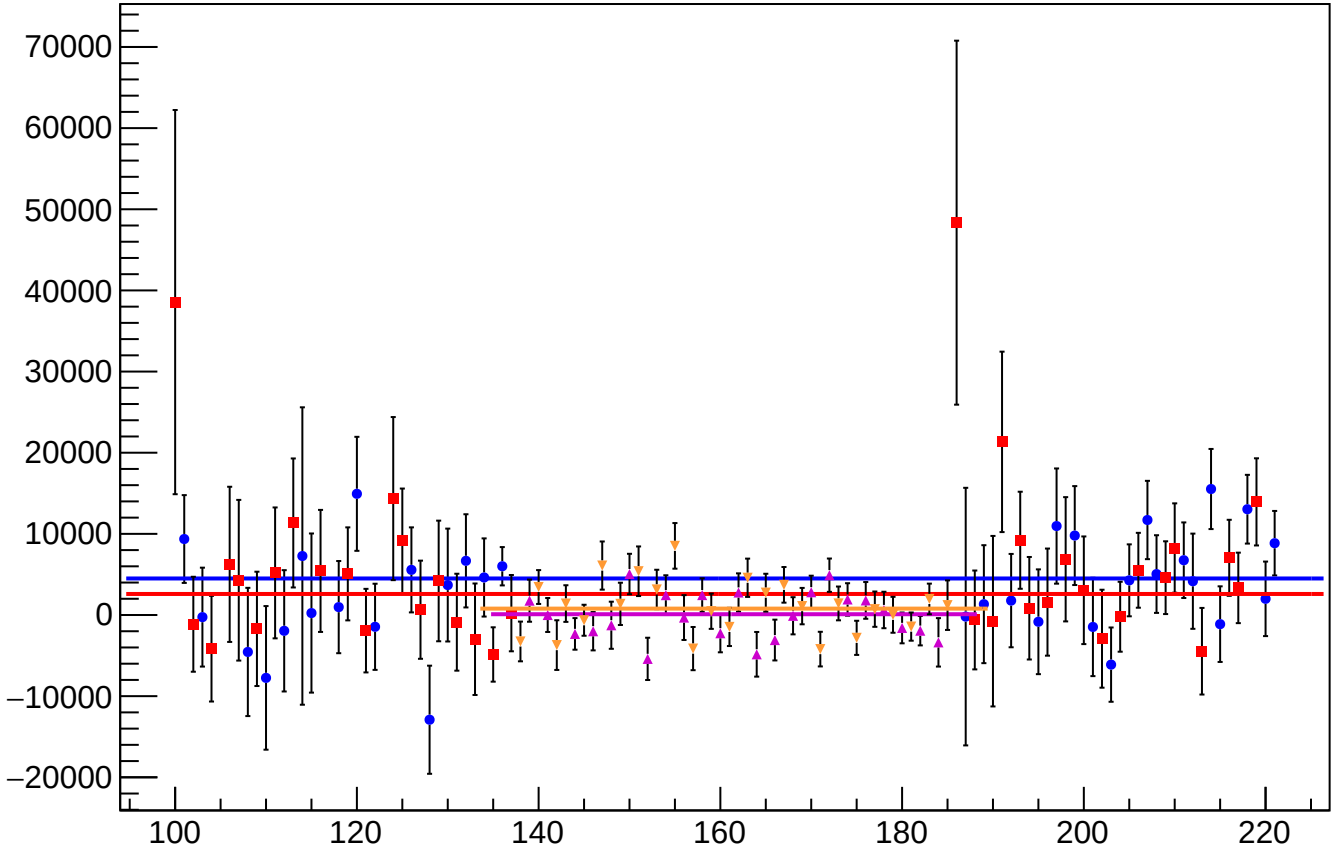
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2463.404+/-0.294 χ^2/NDF: 12193833.3/58

All: 2481.576+/-0.212 χ^2/NDF: 25285419.4/1

- sign 2501.434+/-0.307 χ^2/NDF: 13083585.8/59

asym_sam2_mean vs Slug



Right In: 4501.706+/-910.813 χ^2/NDF: 40.5/33

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 2592.196+/-991.542 χ^2/NDF: 34.6/36

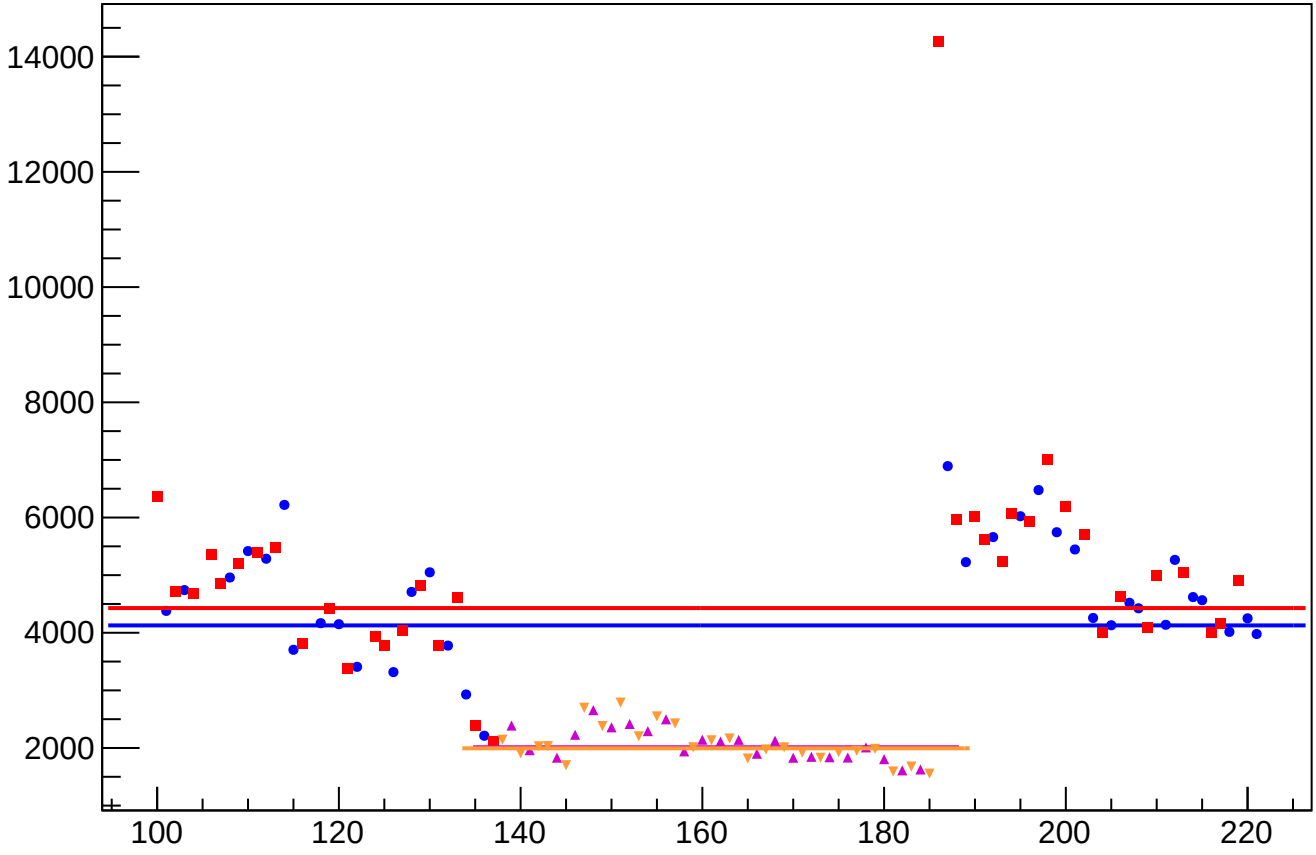
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1539.665+/-409.698 χ^2/NDF: 95.1/58

All: 1072.587+/-296.043 χ^2/NDF: 170.4/118

- sign 562.243+/-428.254 χ^2/NDF: 72.6/59

asym_sam2_rms vs Slug



Right In: 4127.732+/-0.644 χ^2/NDF: 2765431.5/33

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4428.747+/-0.701 χ^2/NDF: 2949094.2/36

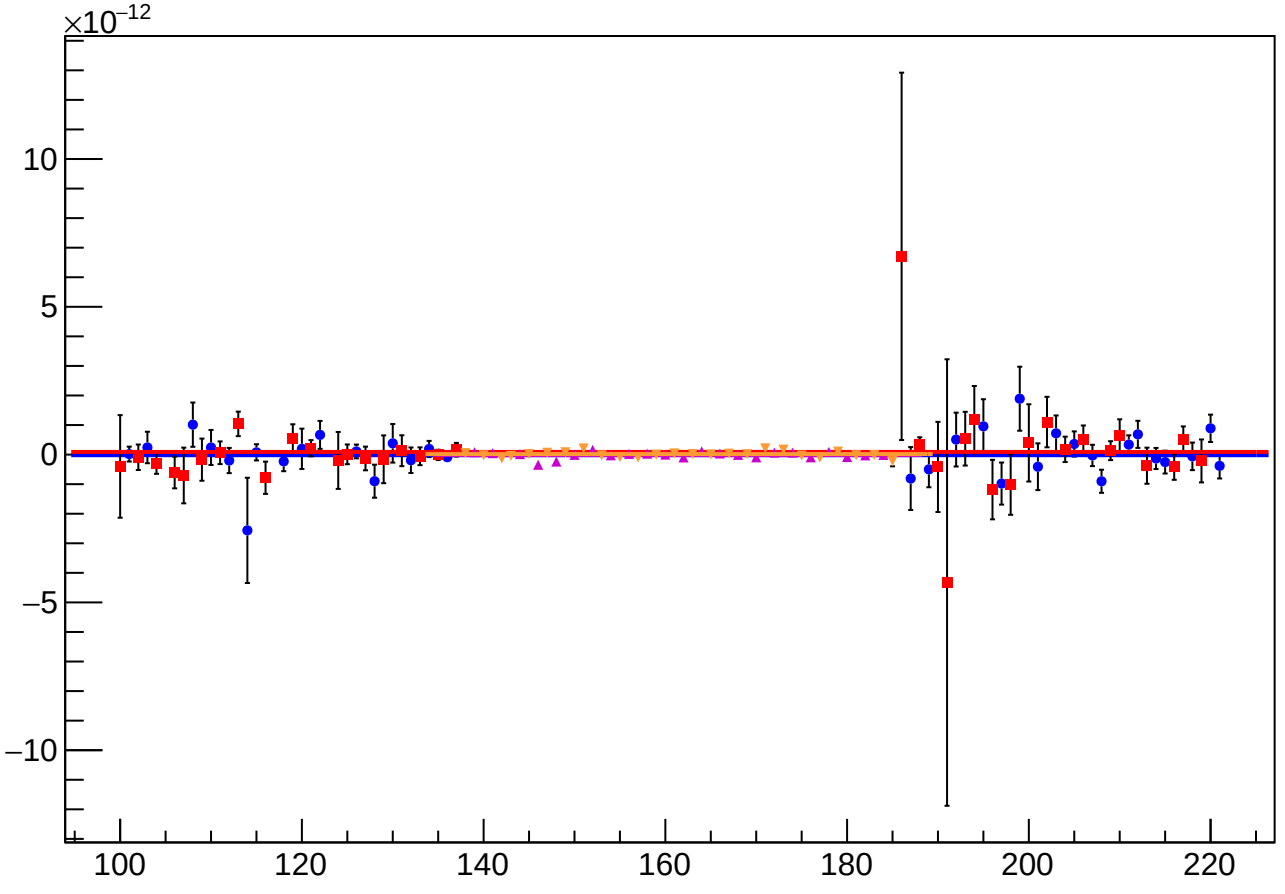
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2425.923+/-0.290 χ^2/NDF: 12265240.6/58

All: 2443.827+/-0.209 χ^2/NDF: 25469115.6/1

- sign 2463.391+/-0.303 χ^2/NDF: 13195881.7/59

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

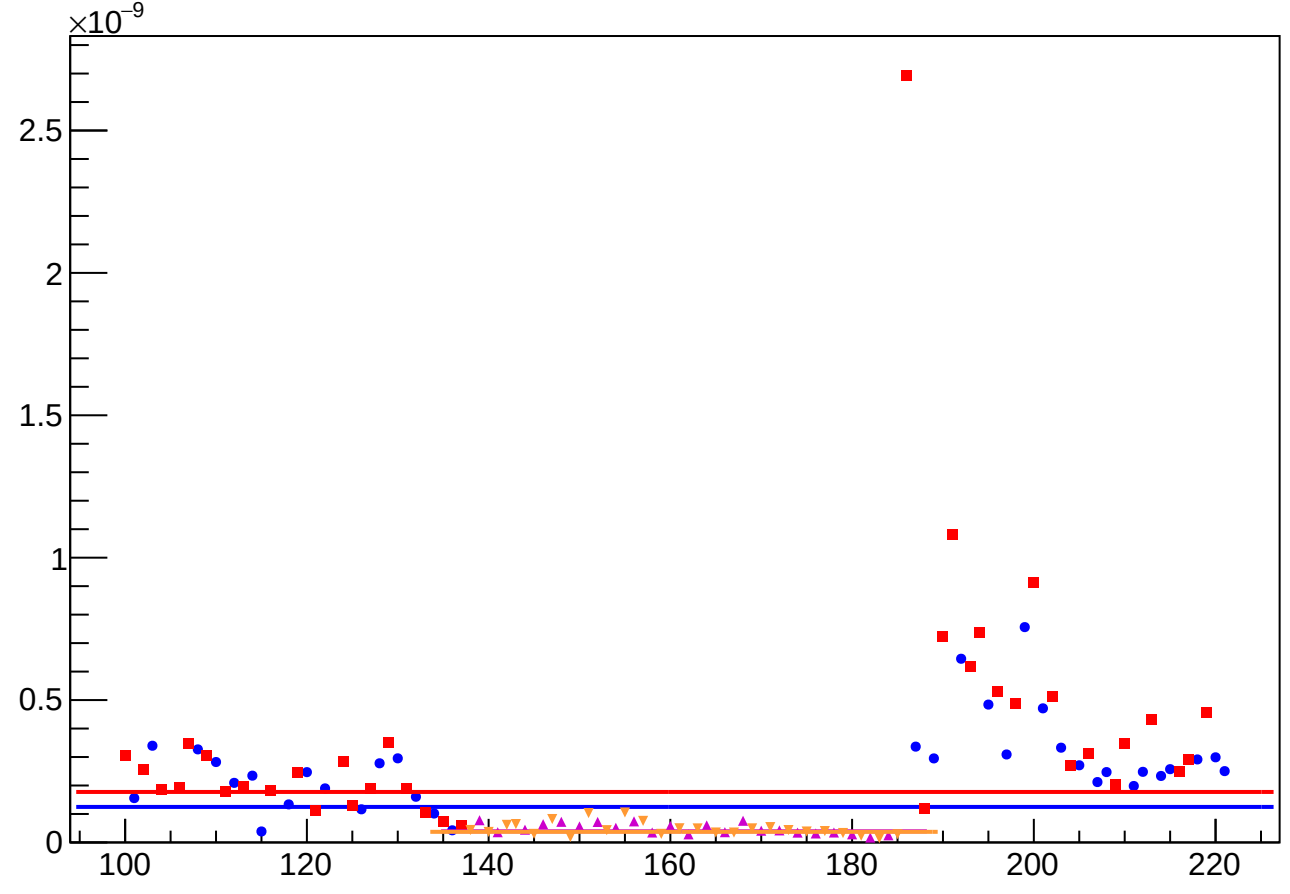
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/36

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/58

All: 0.000+/-0.000 χ^2/NDF: 118.9/118

- sign -0.000+/-0.000 χ^2/NDF: 60.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 8221315.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6258608.9/36

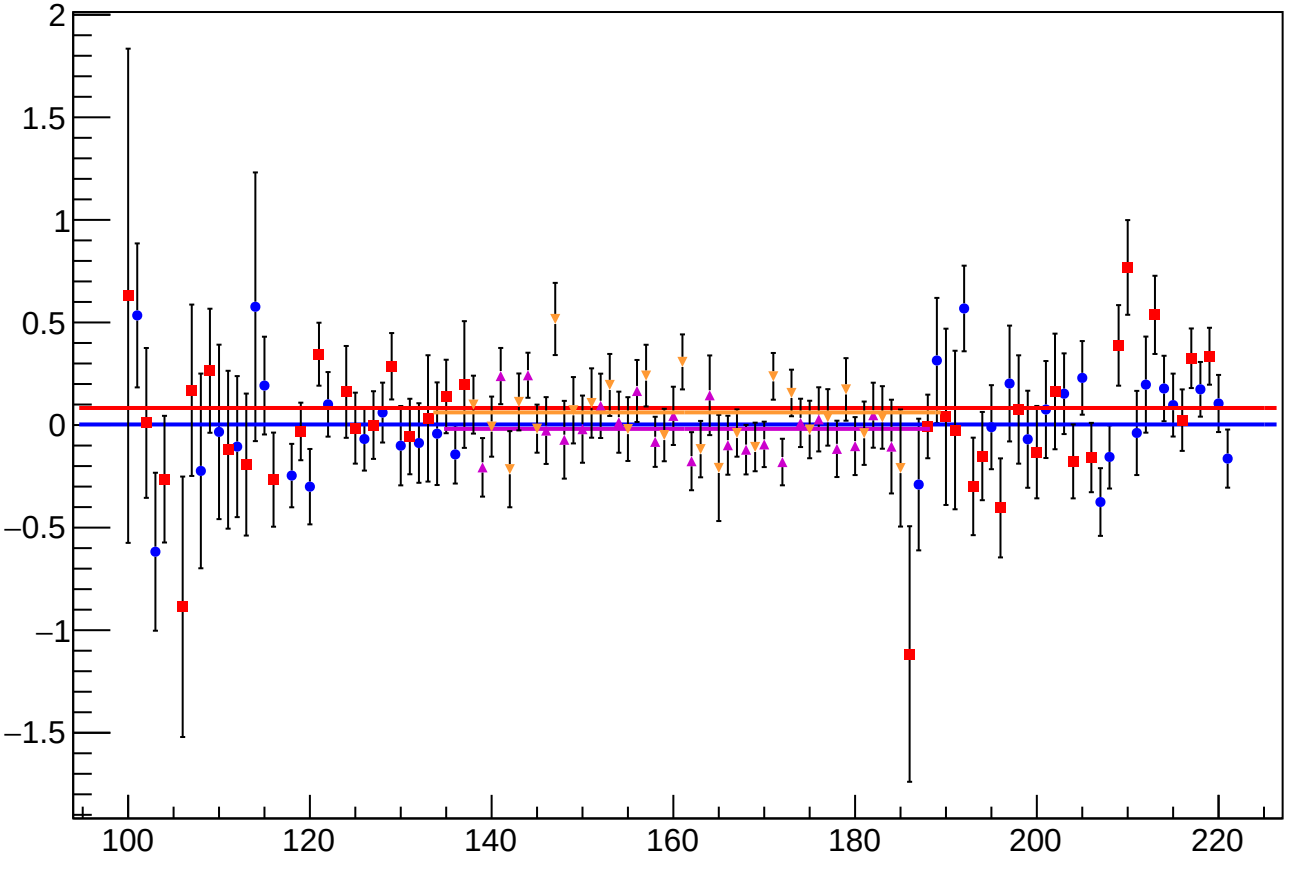
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15488319.4/58

All: 0.000+/-0.000 χ^2/NDF: 31009176.3/118

- sign 0.000+/-0.000 χ^2/NDF: 15498558.7/59

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

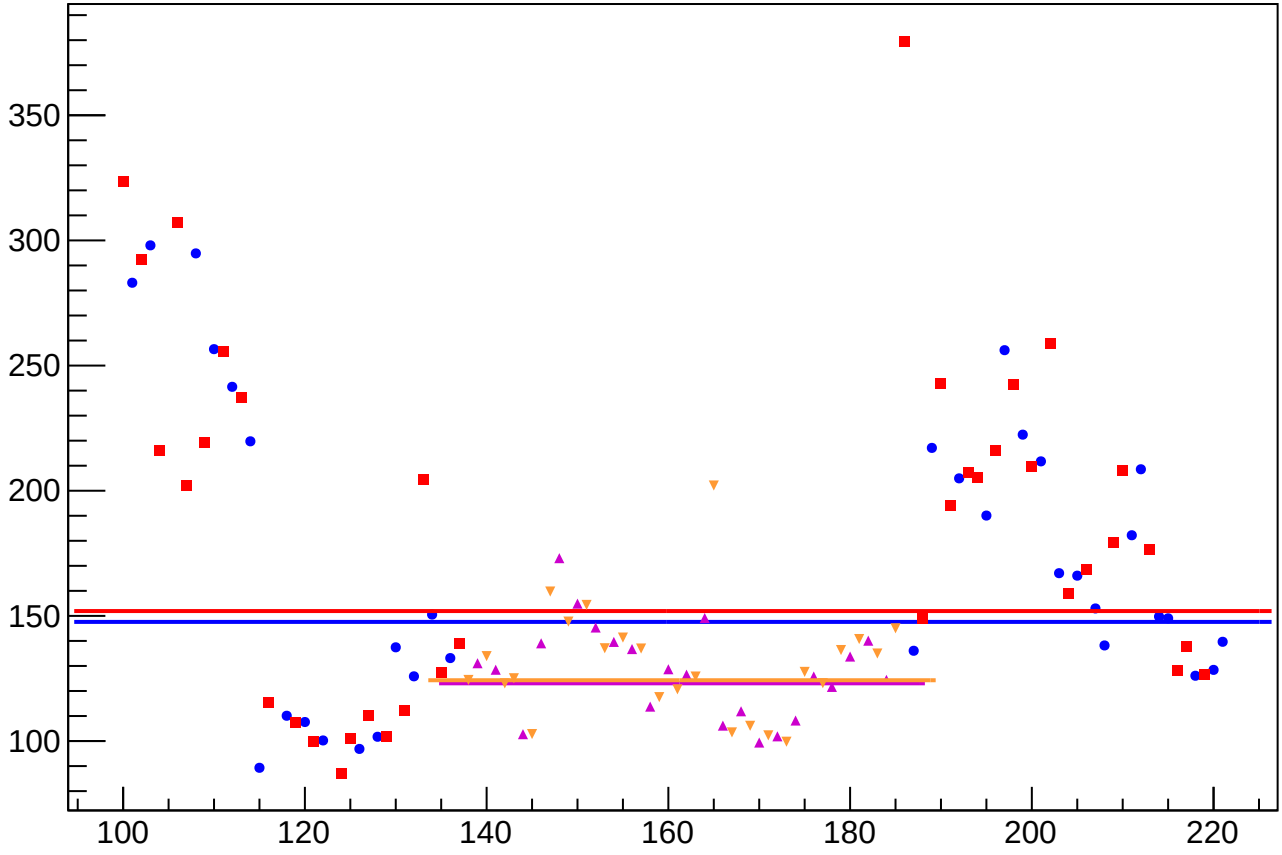
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 147.7/118

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 147.601+/-0.023 χ^2/NDF: 3406832.6/33

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

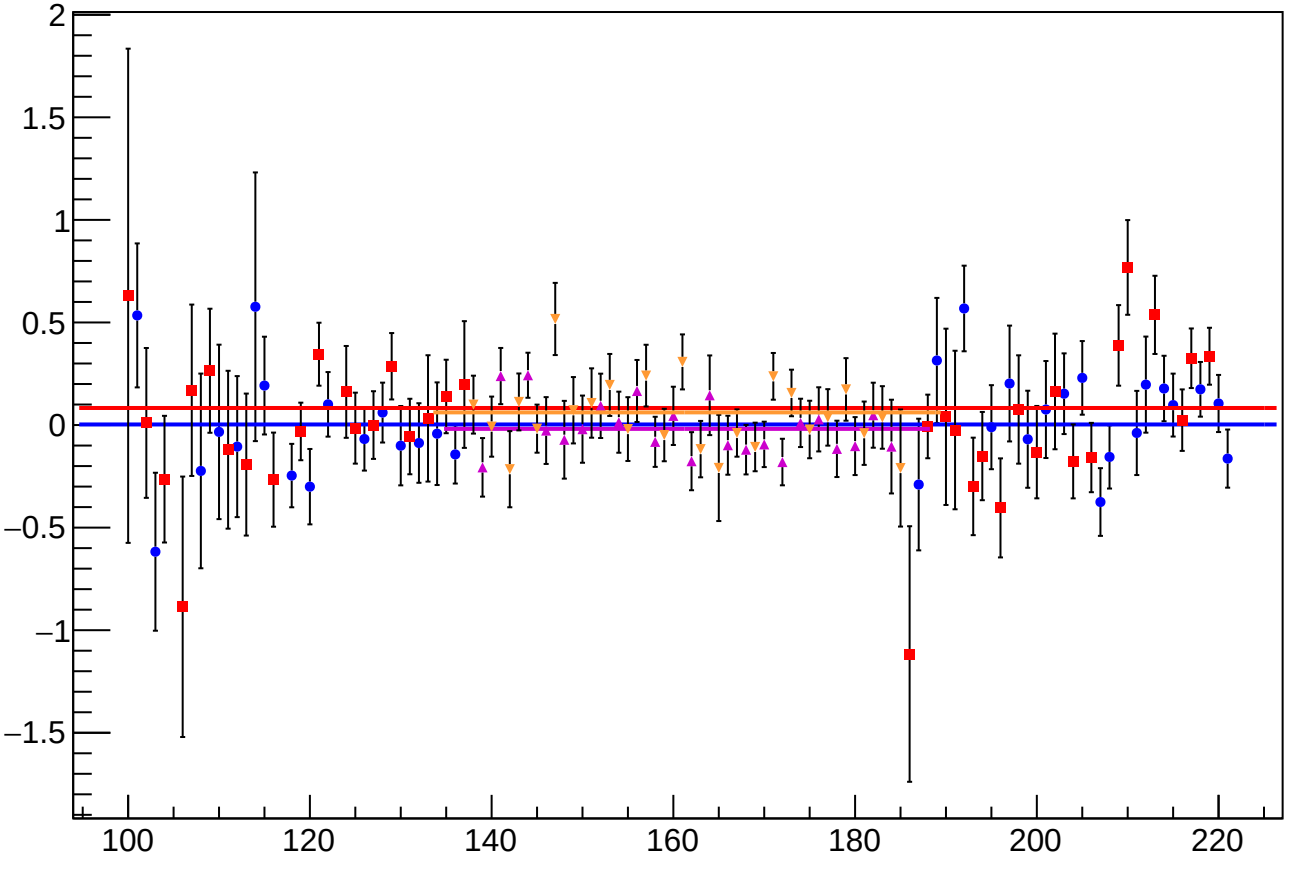
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.245+/-0.015 χ^2/NDF: 4811856.7/58

All: 134.597+/-0.011 χ^2/NDF: 10359947.2/11

- sign 134.975+/-0.016 χ^2/NDF: 5546998.5/59

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

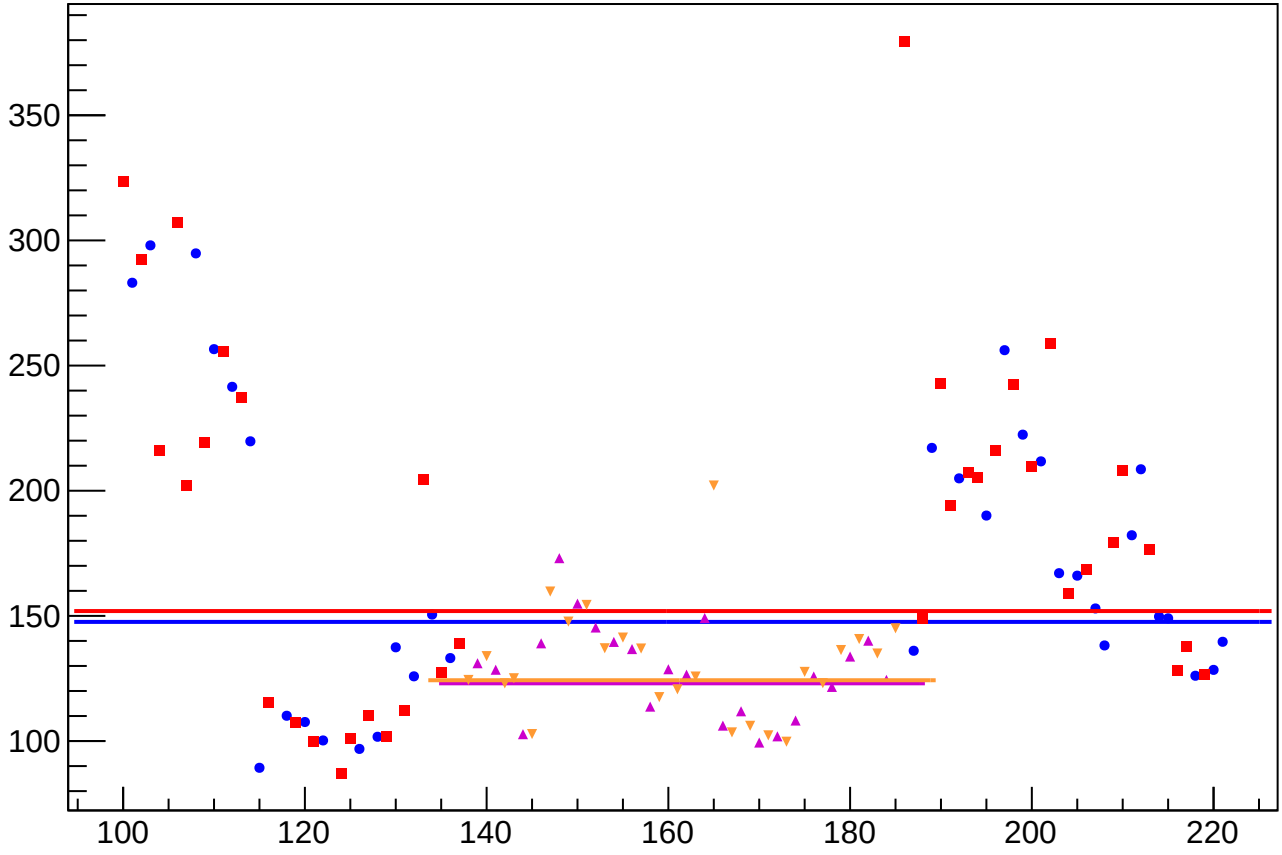
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 147.7/118

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.601+/-0.023 χ^2/NDF: 3406832.6/33

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

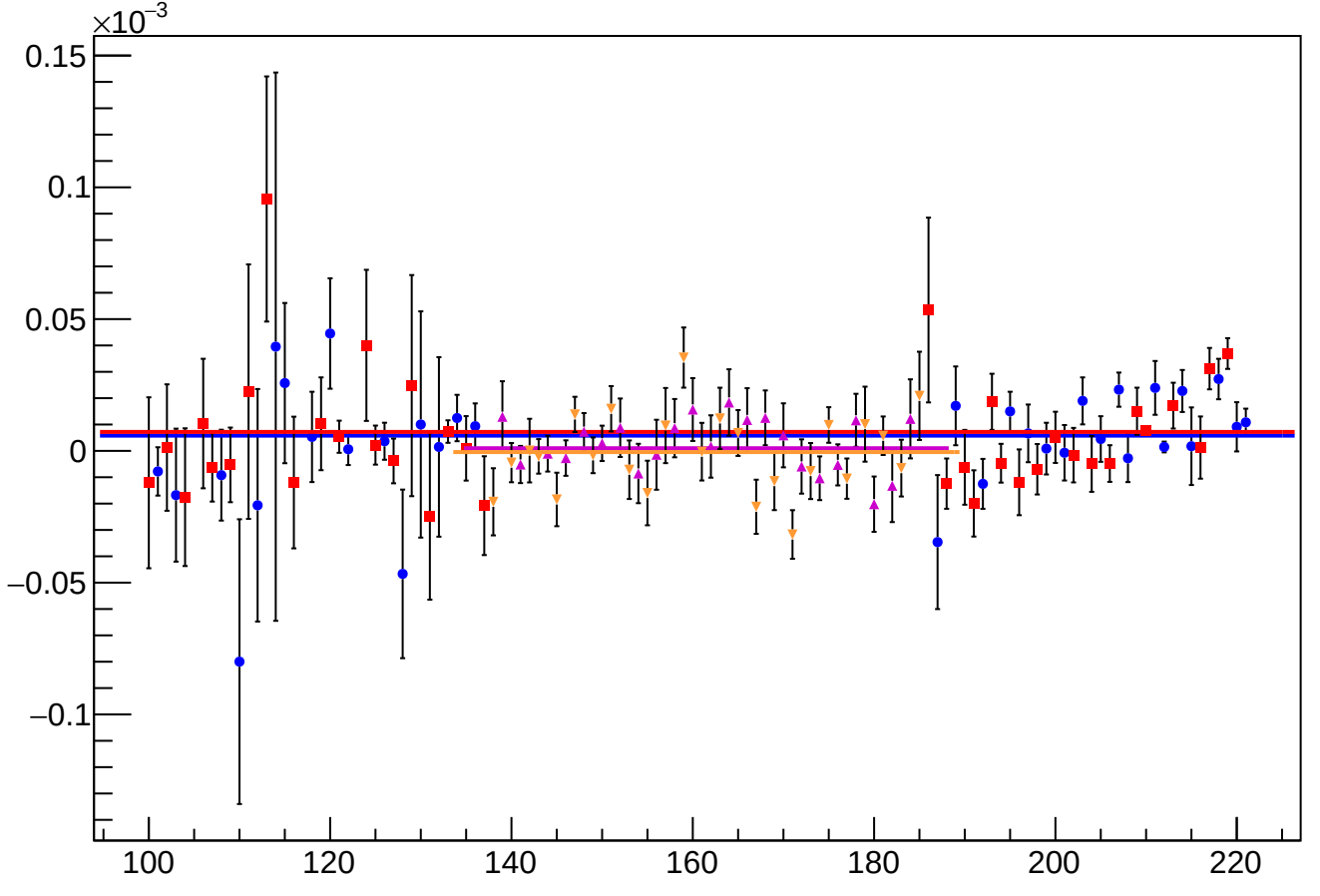
Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.245+/-0.015 χ^2/NDF: 4811856.7/58

All: 134.597+/-0.011 χ^2/NDF: 10359947.2/11

- sign 134.975+/-0.016 χ^2/NDF: 5546998.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 55.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 77.6/36

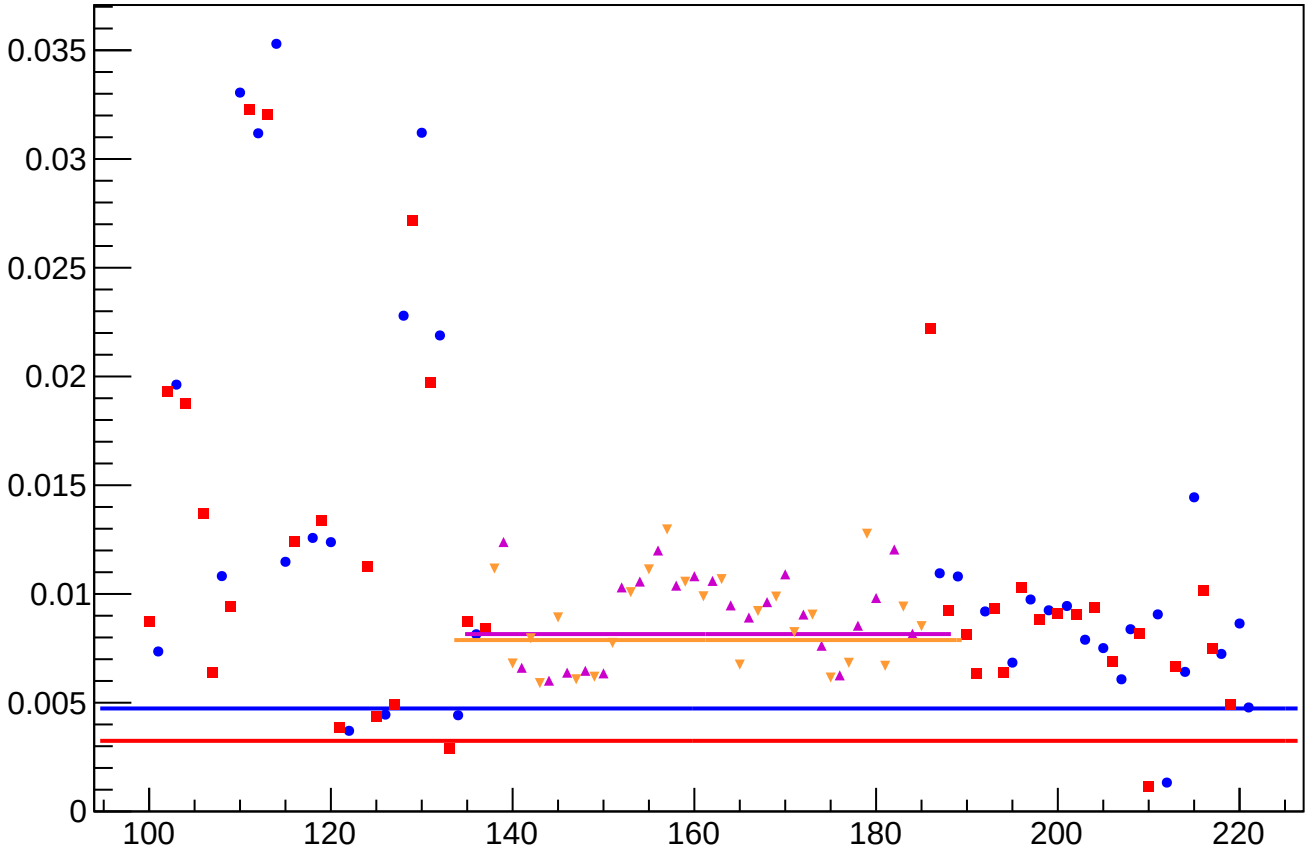
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.2/58

All: 0.000+/-0.000 χ^2/NDF: 222.7/118

- sign 0.000+/-0.000 χ^2/NDF: 105.1/59

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 16233264.5/33

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20964546.1/36

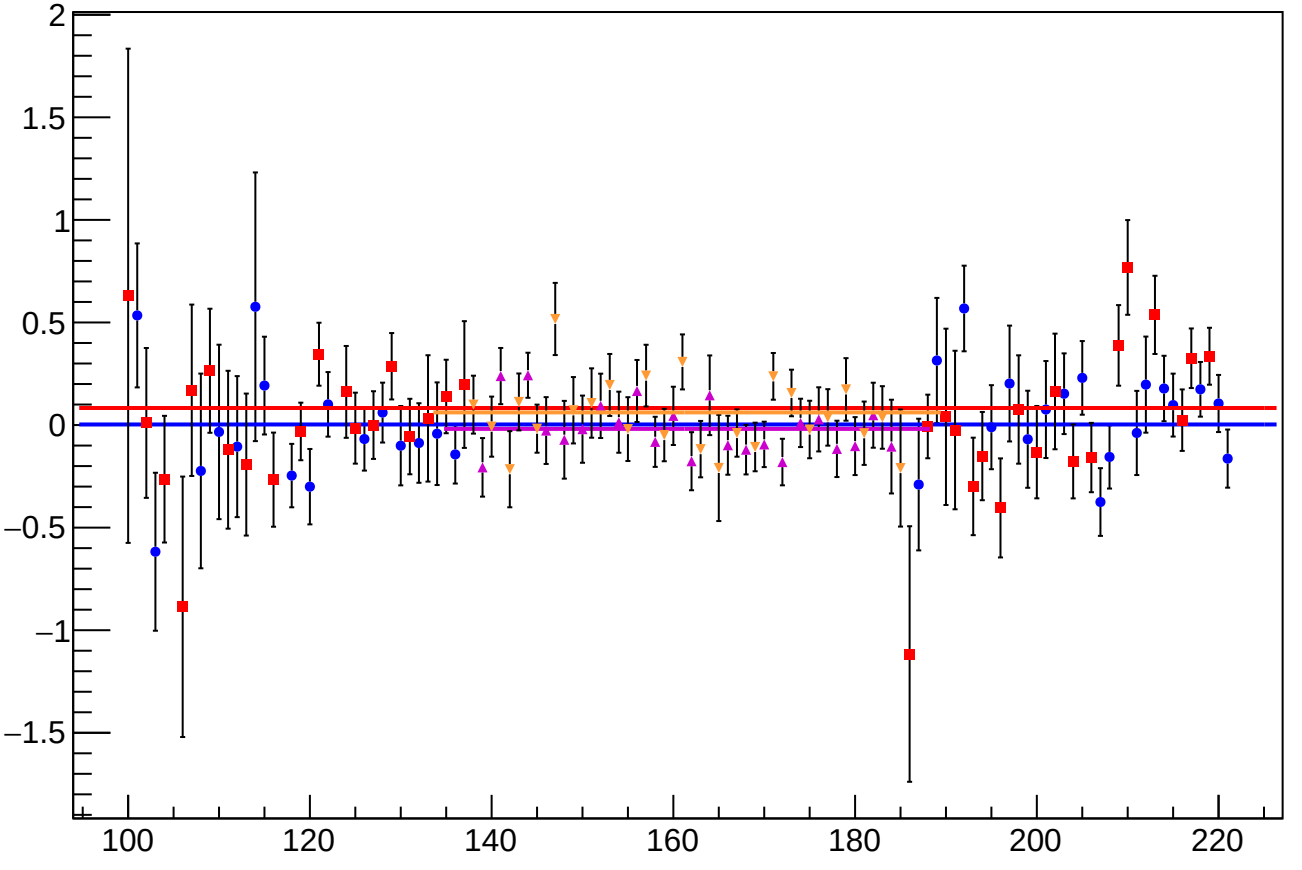
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

\+ sign 0.006+/-0.000 χ^2/NDF: 22103978.8/58

All: 0.005+/-0.000 χ^2/NDF: 56874552.0/118

\- sign 0.004+/-0.000 χ^2/NDF: 32563641.4/59

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

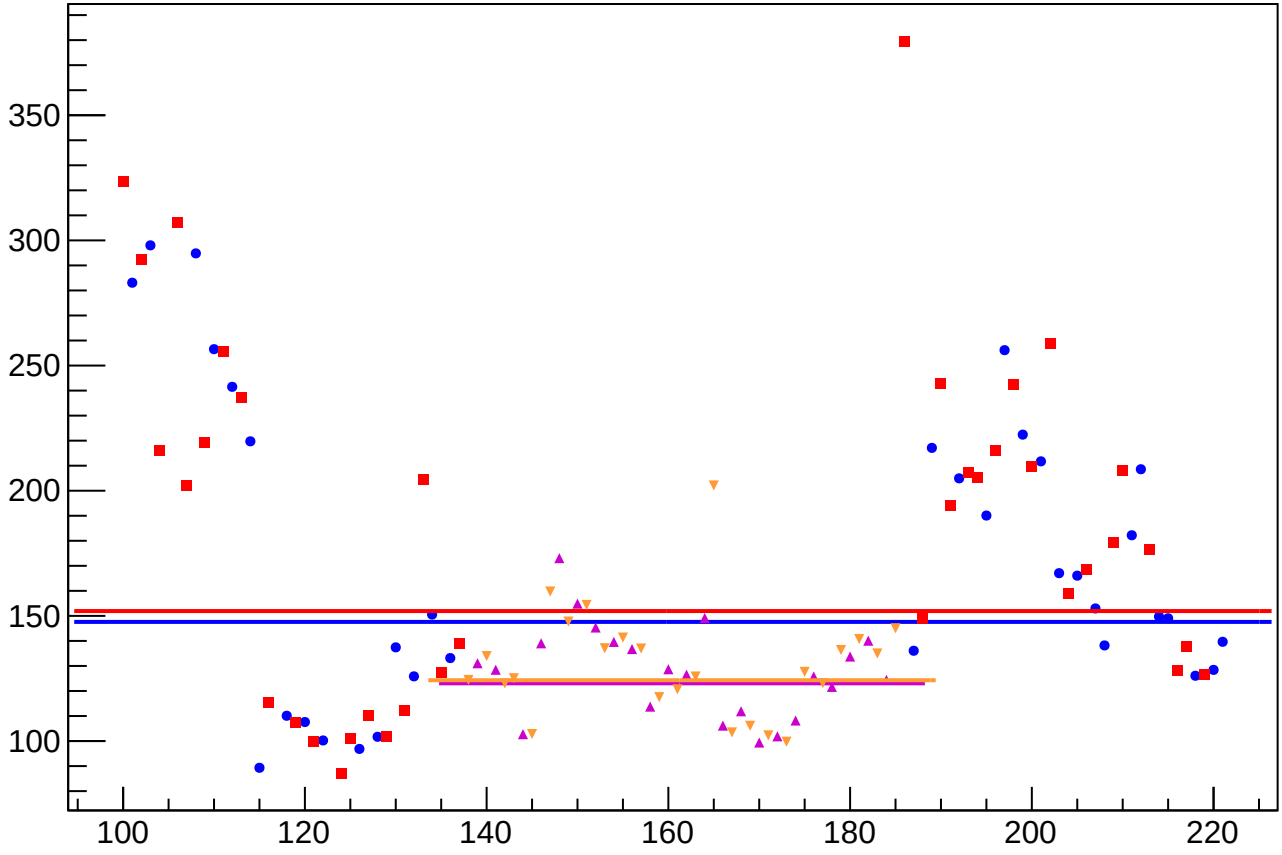
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 147.7/118

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 147.599+/-0.023 χ^2/NDF: 3406916.9/33

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

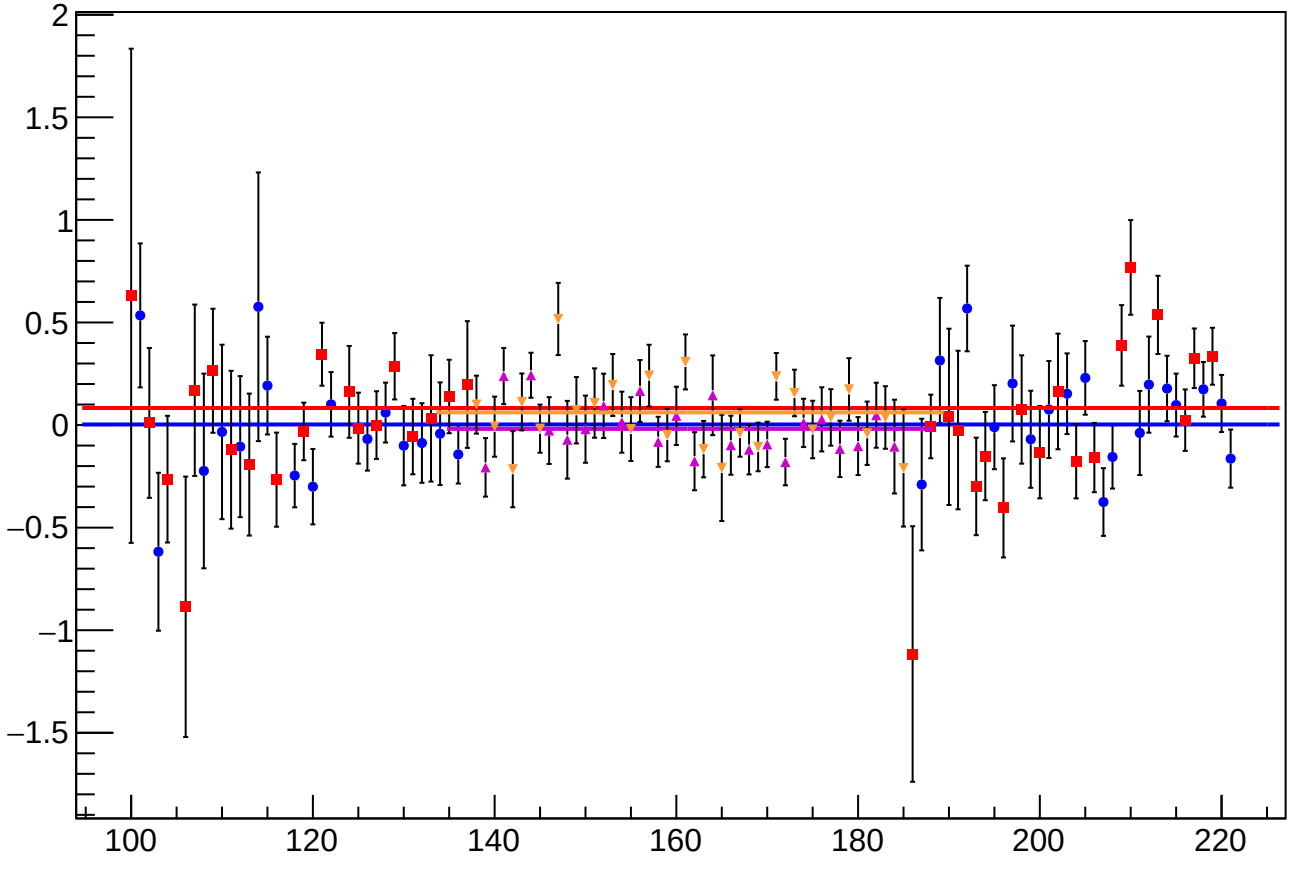
Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.244+/-0.015 χ^2/NDF: 4811904.5/58

All: 134.596+/-0.011 χ^2/NDF: 10360053.8/11

- sign 134.974+/-0.016 χ^2/NDF: 5547057.3/59



Right In: 0.003+/-0.033 χ^2/NDF: 38.6/33

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

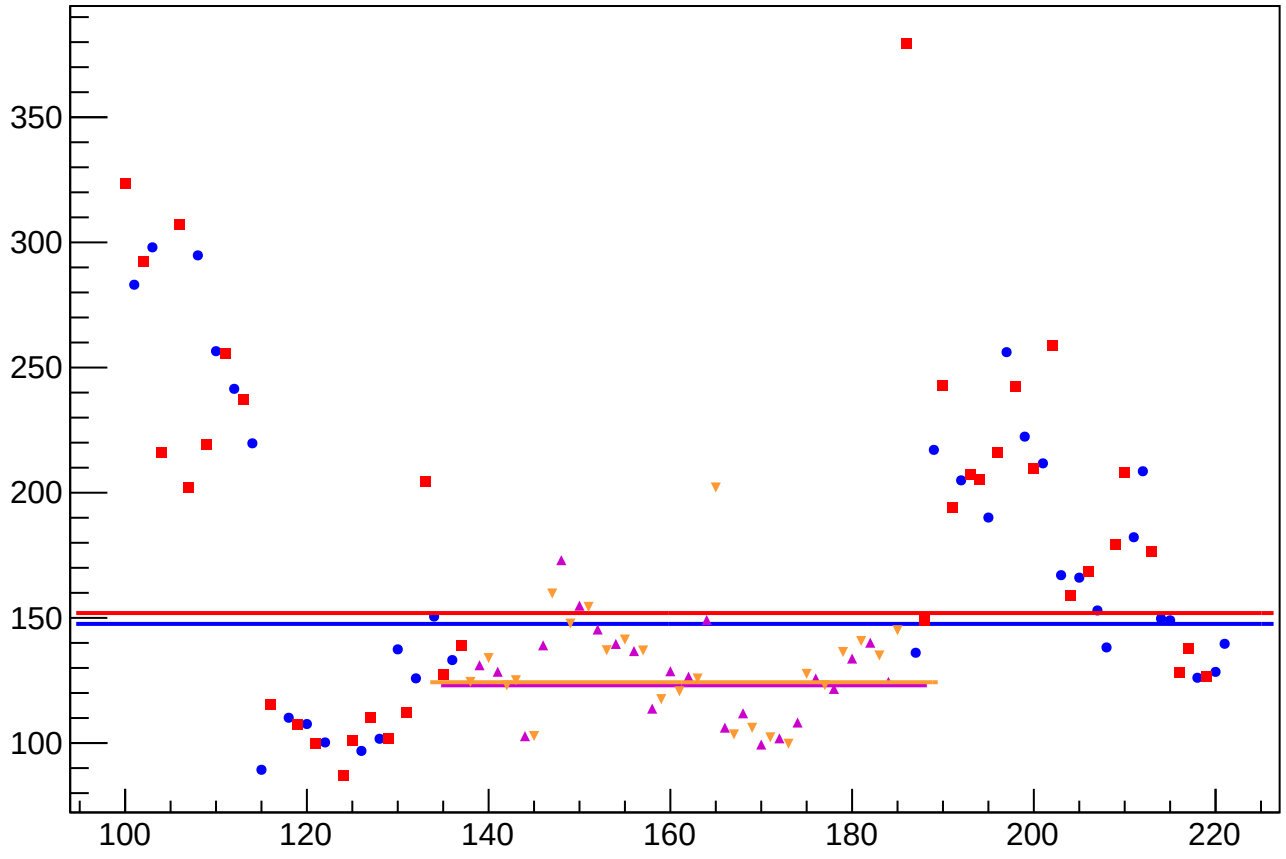
Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.037+/-0.022 χ^2/NDF: 67.8/58

All: 0.030+/-0.016 χ^2/NDF: 147.7/118

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59



Right In: 147.599+/-0.023 χ^2/NDF: 3406916.9/33

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

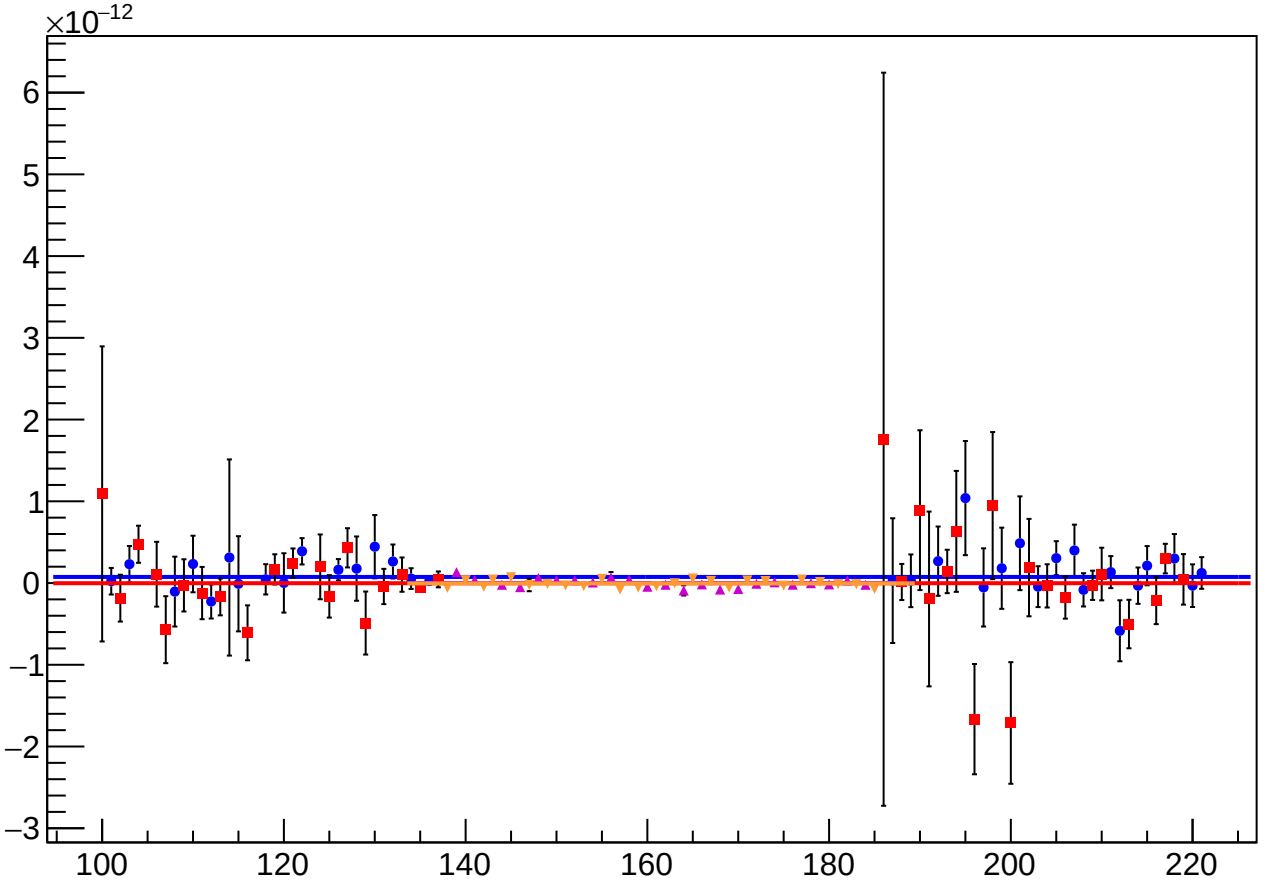
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.244+/-0.015 χ^2/NDF: 4811904.5/58

All: 134.596+/-0.011 χ^2/NDF: 10360053.8/11

- sign 134.974+/-0.016 χ^2/NDF: 5547057.3/59

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/36

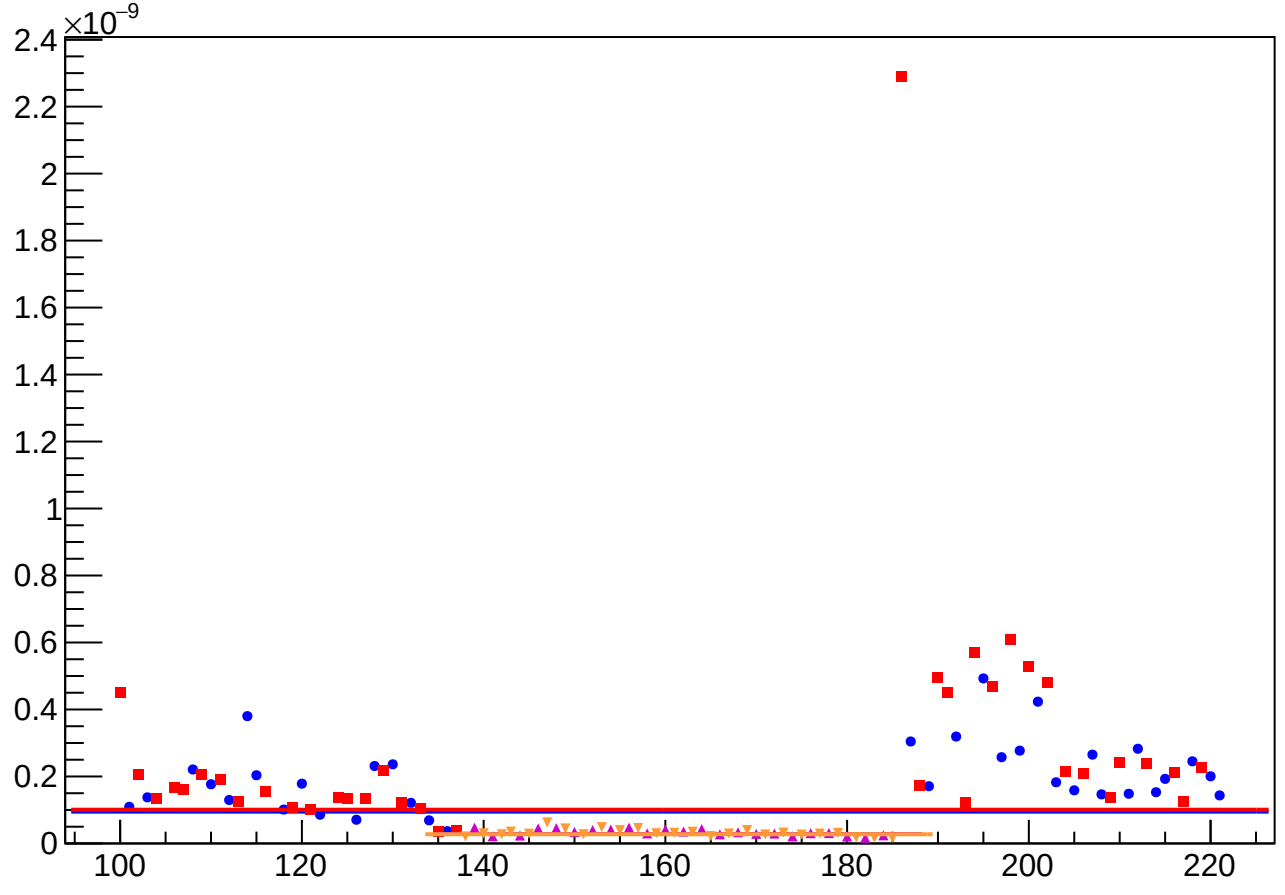
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.2/58

All: -0.000+/-0.000 χ^2/NDF: 118.0/118

- sign -0.000+/-0.000 χ^2/NDF: 66.7/59

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10230945.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11641702.8/36

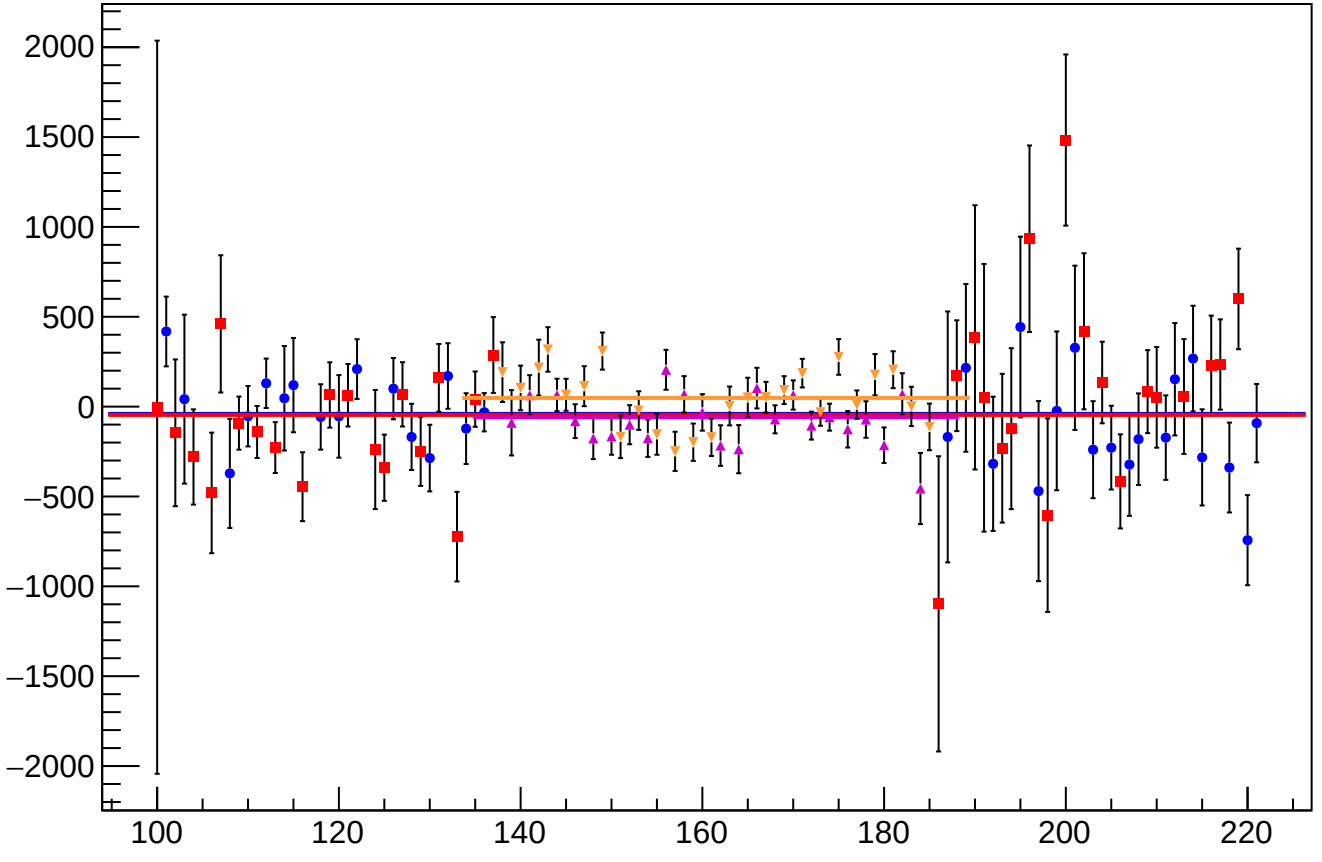
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 21174415.2/58

All: 0.000+/-0.000 χ^2/NDF: 43229960.8/118

- sign 0.000+/-0.000 χ^2/NDF: 22048139.7/59

reg_asym_sam3_mean vs Slug



Right In: -40.546+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -46.056+/-39.641 χ^2/NDF: 56.9/36

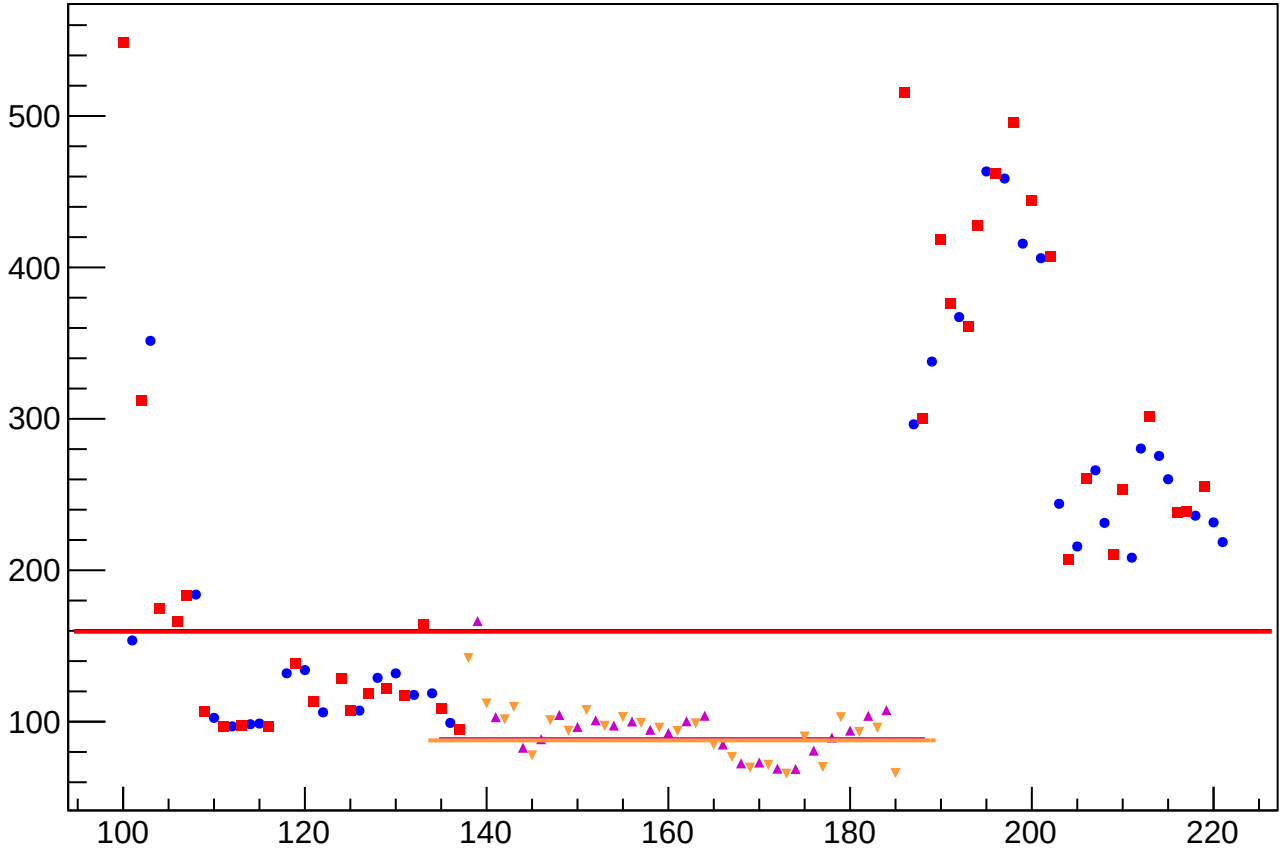
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 28.807+/-18.035 χ^2/NDF: 90.9/58

All: -12.210+/-12.969 χ^2/NDF: 189.2/118

- sign -56.141+/-18.664 χ^2/NDF: 87.6/59

reg_asym_sam3_rms vs Slug



Right In: 159.871+/-0.027 χ^2/NDF: 8497243.5/33

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.413+/-0.028 χ^2/NDF: 9546321.5/36

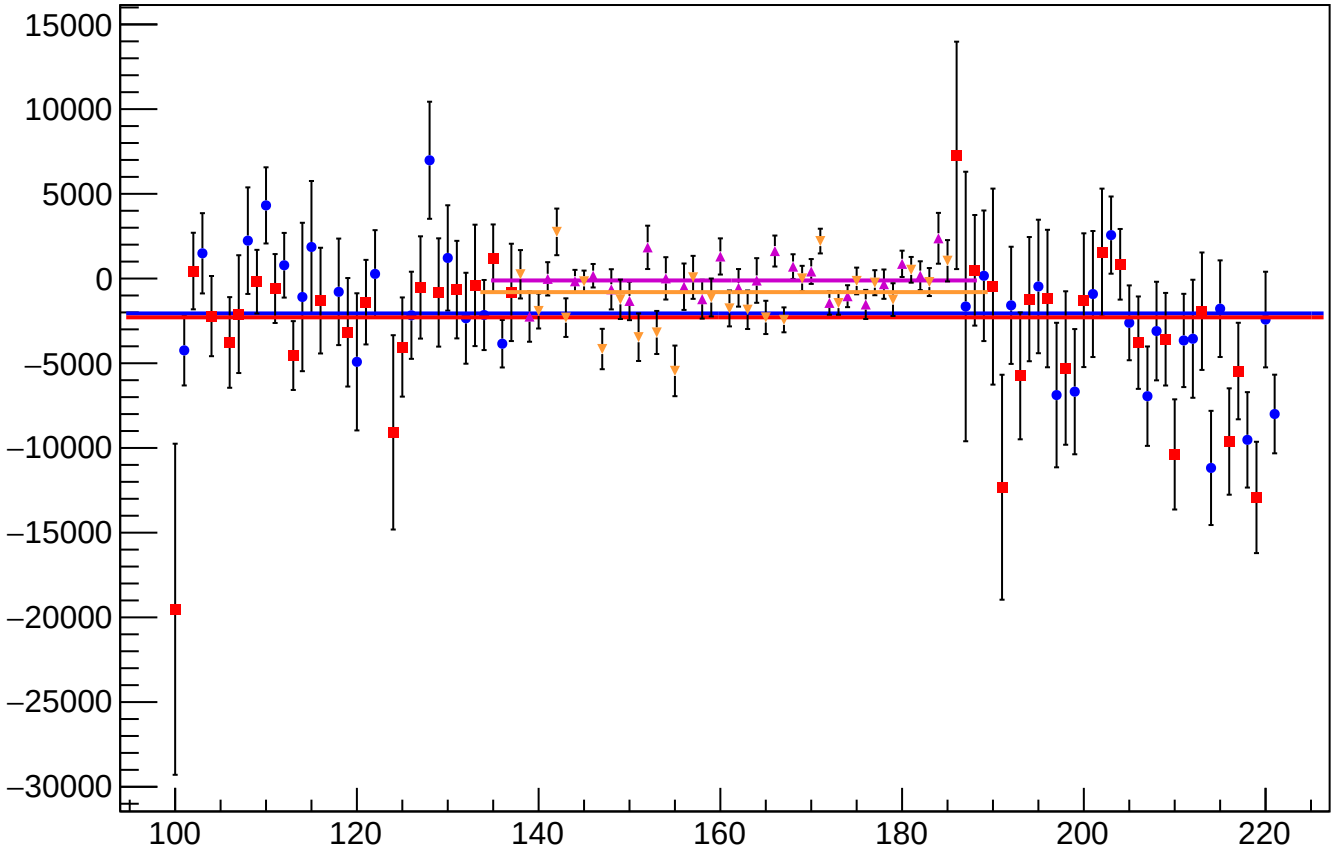
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 103.558+/-0.013 χ^2/NDF: 15217115.8/58

All: 103.871+/-0.009 χ^2/NDF: 30824308.4/11

- sign 104.207+/-0.013 χ^2/NDF: 15605943.2/59

asym_sam3_reg_correction_mean vs Slug



Right In: -2060.269+/-468.221 χ^2/NDF: 59.6/33

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -2290.275+/-487.243 χ^2/NDF: 48.4/36

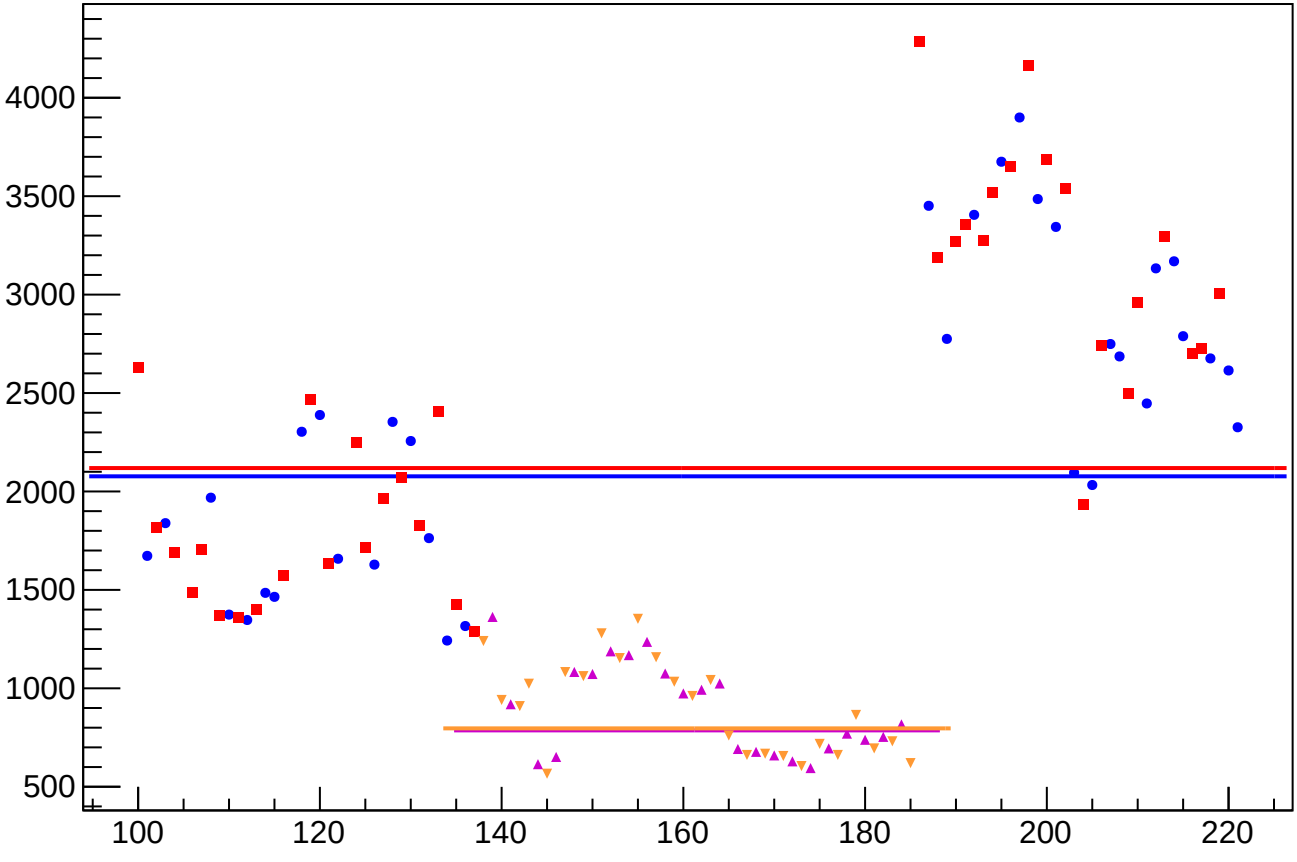
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -975.875+/-174.266 χ^2/NDF: 137.7/58

All: -693.114+/-124.261 χ^2/NDF: 235.9/118

- sign -400.638+/-177.235 χ^2/NDF: 92.8/59

asym_sam3_reg_correction_rms vs Slug



Right In: 2076.922+/-0.331 χ^2/NDF: 4340939.4/33

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2118.906+/-0.345 χ^2/NDF: 4918095.6/36

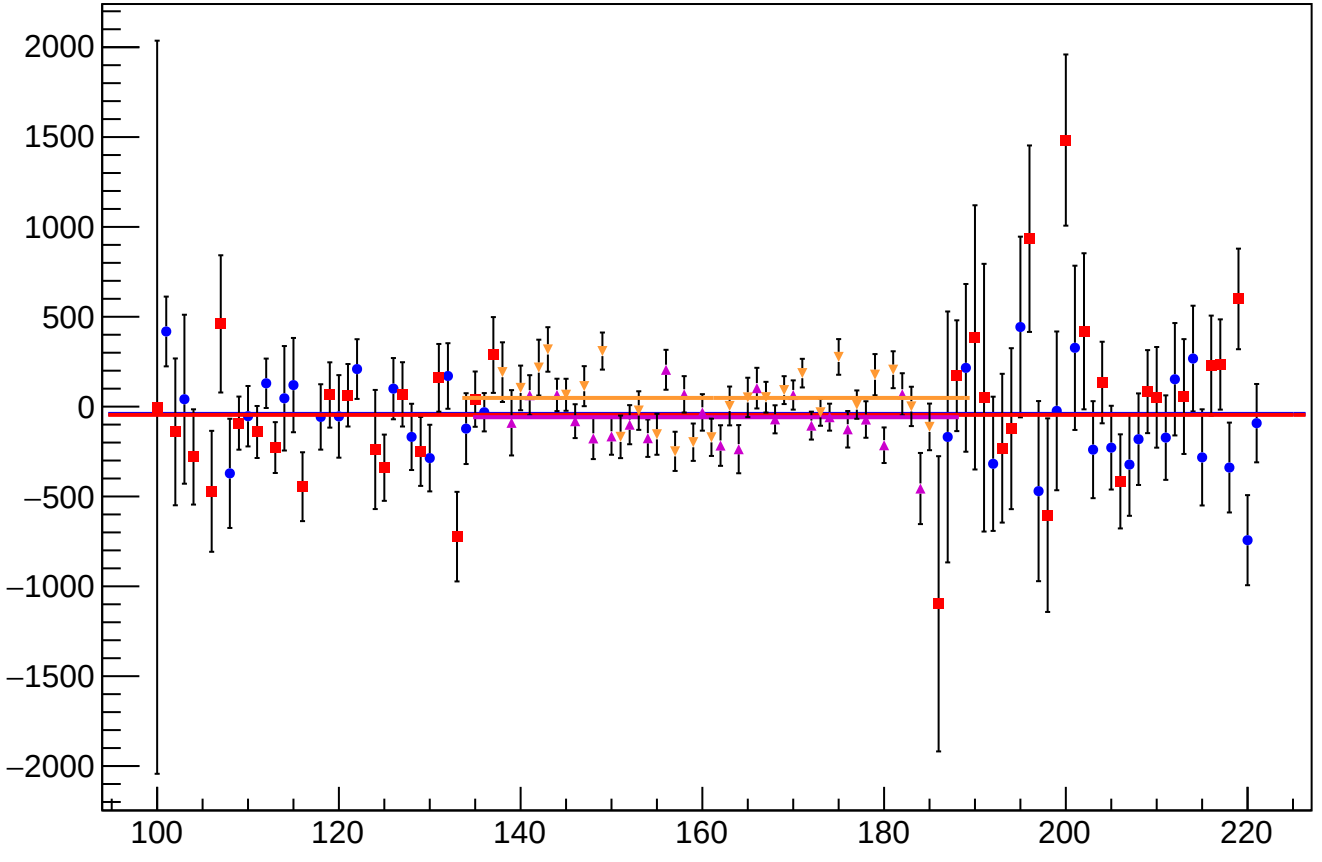
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 973.889+/-0.123 χ^2/NDF: 19643102.7/58

All: 968.367+/-0.088 χ^2/NDF: 39702065.9/11

- sign 962.655+/-0.125 χ^2/NDF: 20054877.3/59

cor_asym_sam3_mean vs Slug



Right In: -40.559+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -45.841+/-39.643 χ^2/NDF: 56.8/36

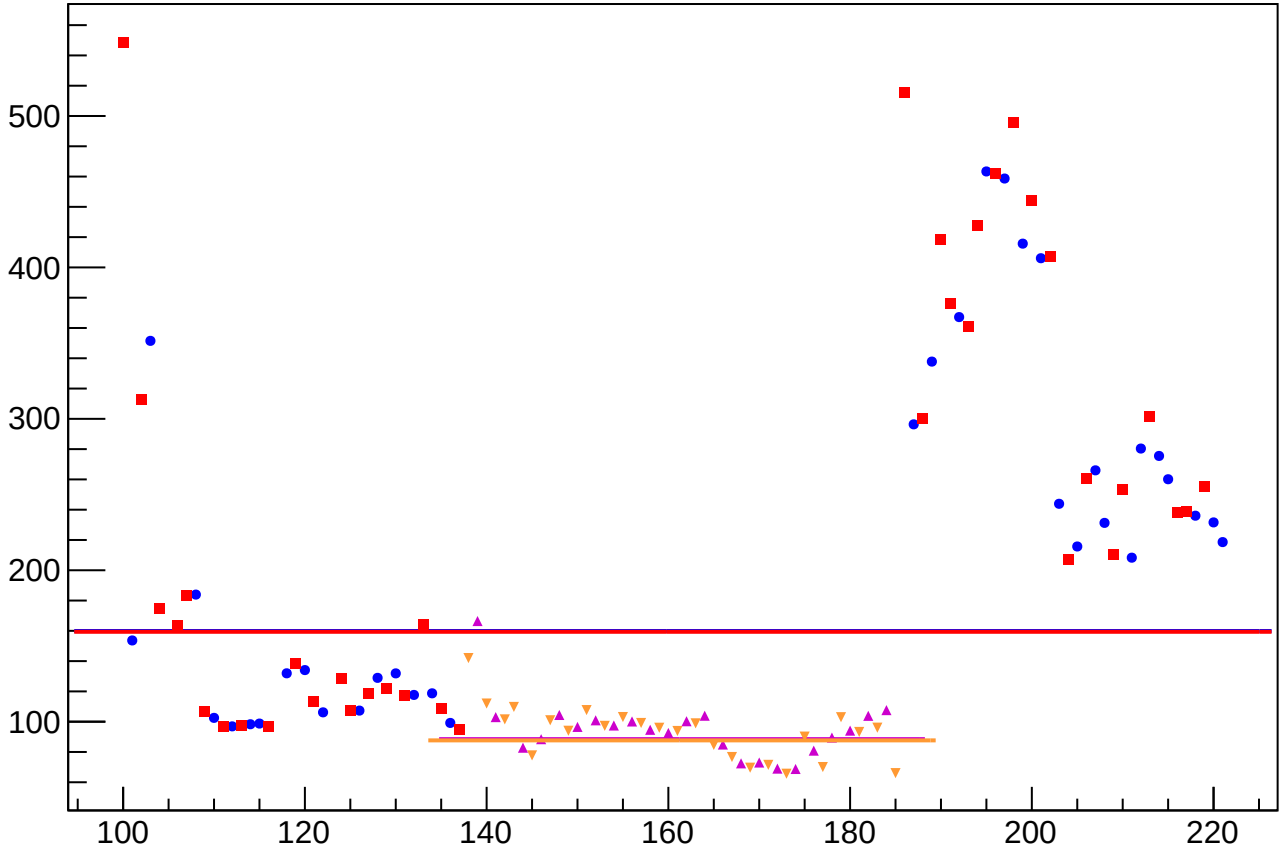
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 28.810+/-18.035 χ^2/NDF: 90.9/58

All: -12.186+/-12.969 χ^2/NDF: 189.1/118

- sign -56.096+/-18.664 χ^2/NDF: 87.5/59

cor_asym_sam3_rms vs Slug



Right In: 159.871+/-0.027 χ^2/NDF: 8497246.0/33

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

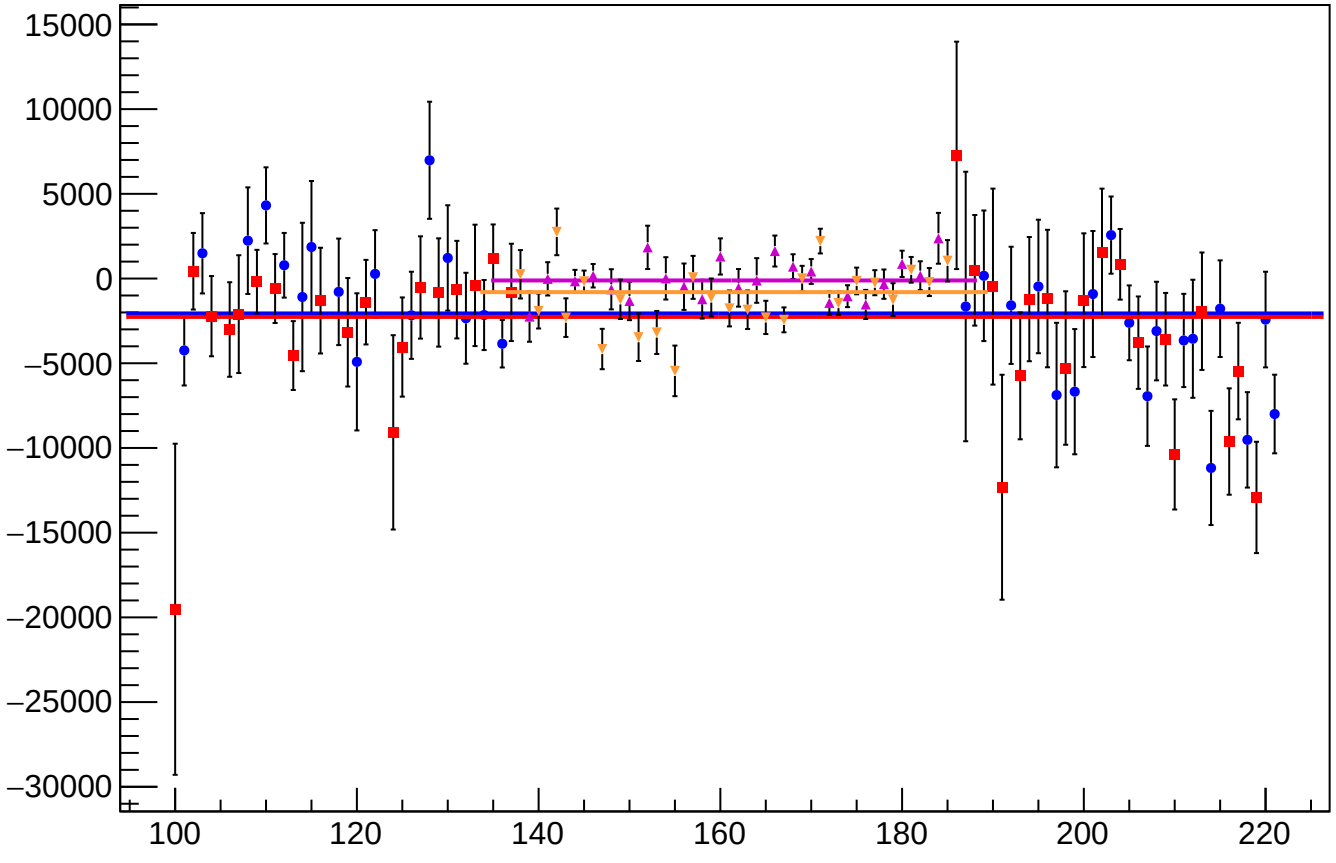
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 103.558+/-0.013 χ^2/NDF: 15217117.4/58

All: 103.867+/-0.009 χ^2/NDF: 30818693.7/11

- sign 104.198+/-0.013 χ^2/NDF: 15600361.0/59

asym_sam3_cor_correction_mean vs Slug



Right In: -2060.272+/-468.223 χ^2/NDF: 59.6/33

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2263.820+/-487.918 χ^2/NDF: 48.1/36

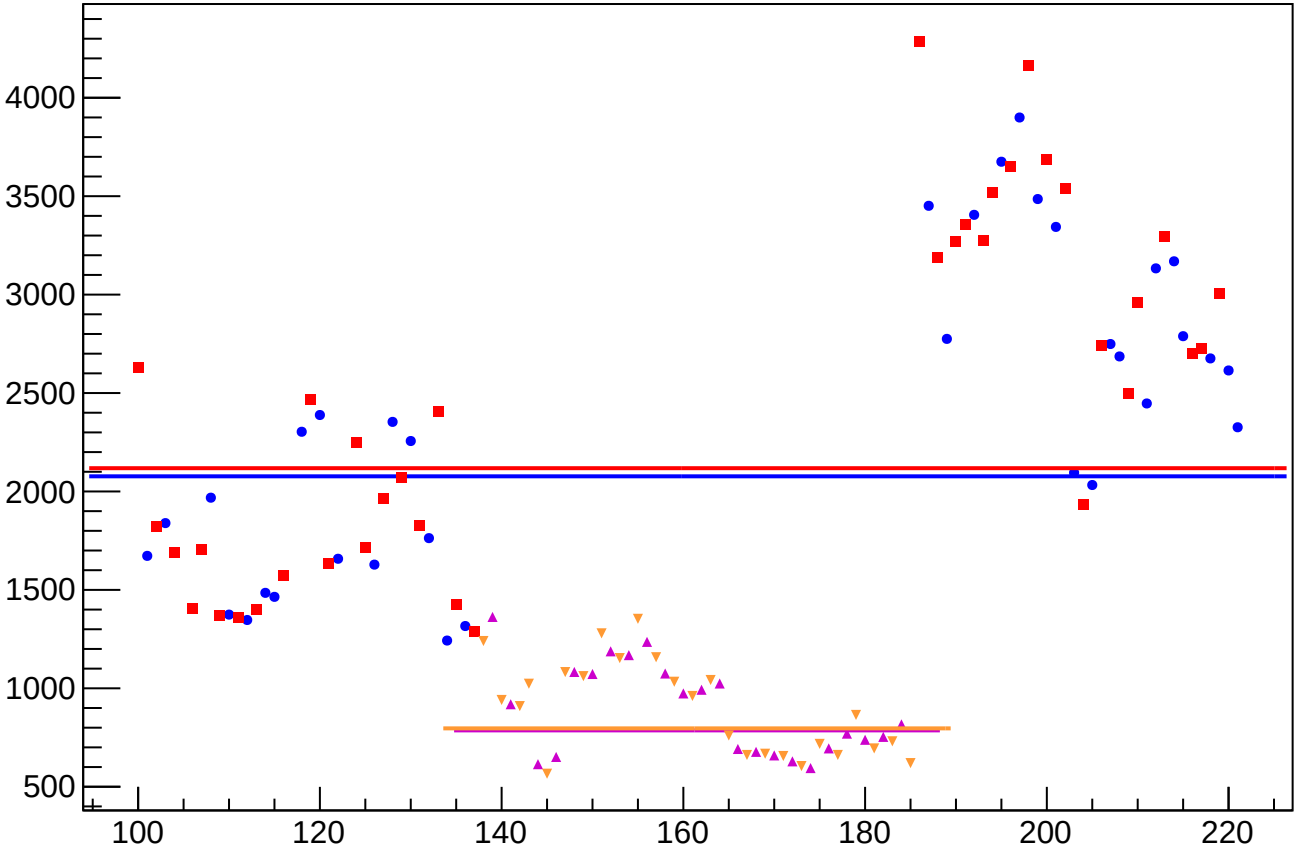
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -975.867+/-174.266 χ^2/NDF: 137.7/58

All: -691.108+/-124.272 χ^2/NDF: 235.2/118

- sign -396.456+/-177.268 χ^2/NDF: 92.1/59

asym_sam3_cor_correction_rms vs Slug



Right In: 2076.931+/-0.331 χ^2/NDF: 4340908.2/33

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

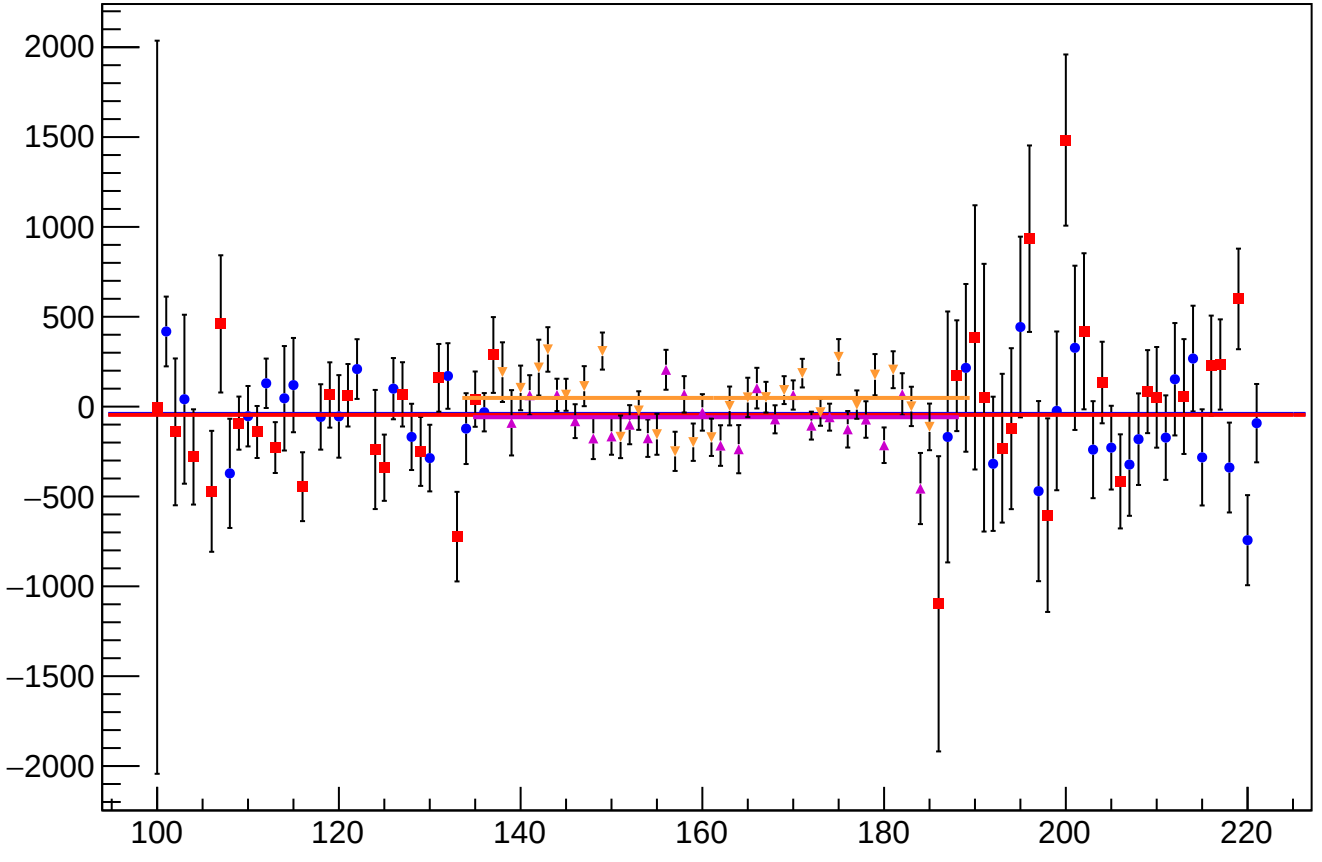
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 973.889+/-0.123 χ^2/NDF: 19643166.4/58

All: 968.116+/-0.088 χ^2/NDF: 39676606.0/11

- sign 962.141+/-0.125 χ^2/NDF: 20028972.8/59

eigen_cor_asym_sam3_mean vs Slug



Right In: -40.559+/-38.432 χ^2/NDF: 33.1/33

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

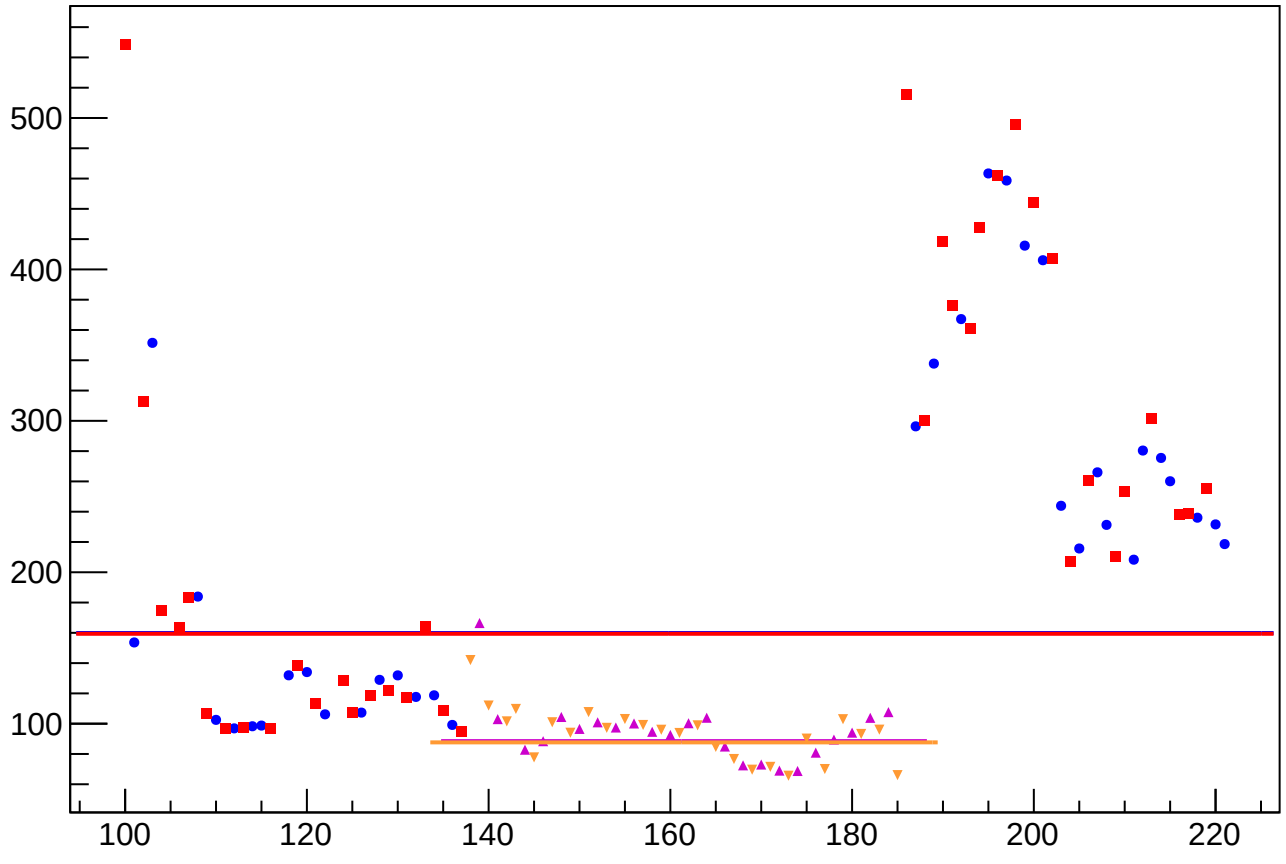
Right Out: -45.841+/-39.643 χ^2/NDF: 56.8/36

Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 28.810+/-18.035 χ^2/NDF: 90.9/58

All: -12.186+/-12.969 χ^2/NDF: 189.1/118

- sign -56.096+/-18.664 χ^2/NDF: 87.5/59



Right In: 159.871+/-0.027 χ^2/NDF: 8497246.0/33

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

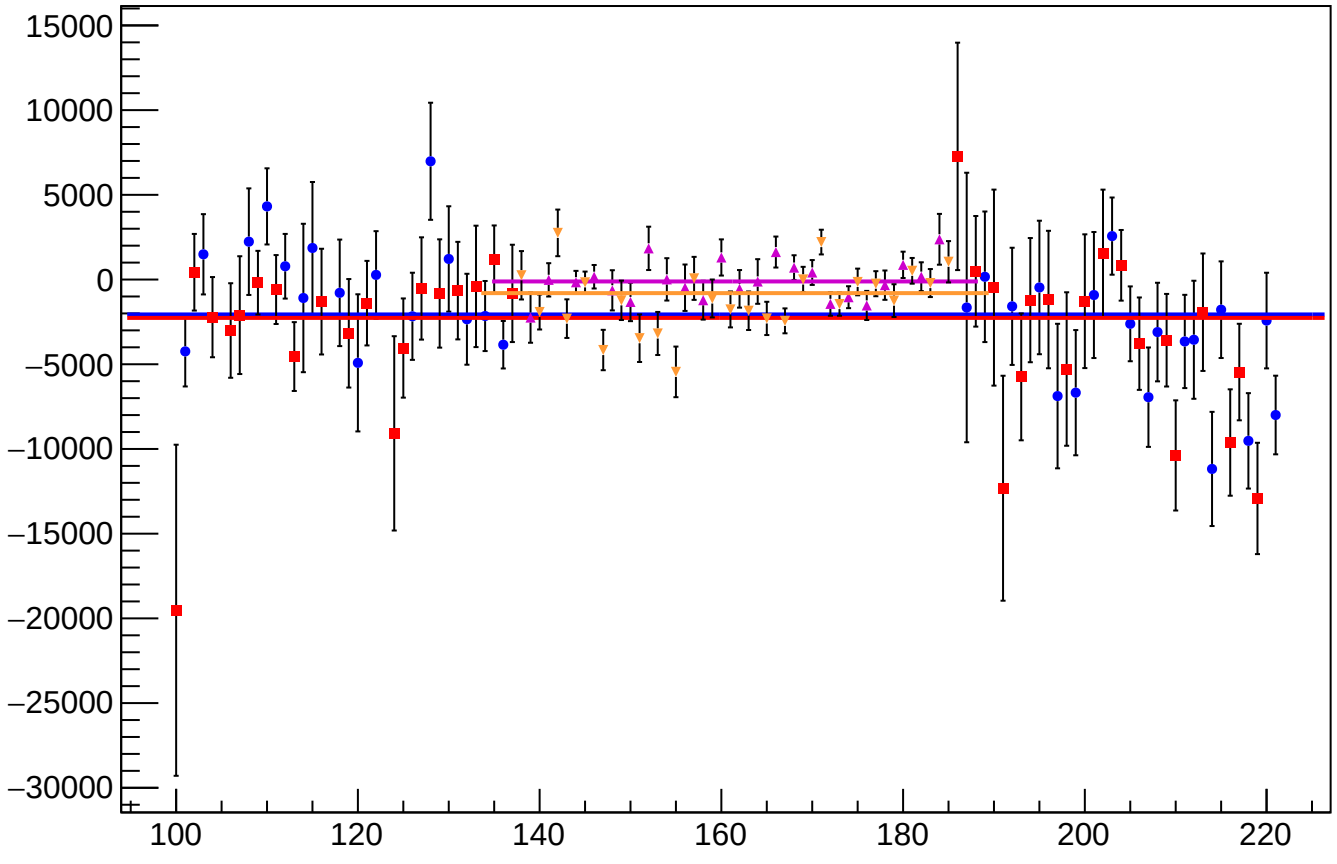
Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 103.558+/-0.013 χ^2/NDF: 15217117.4/58

All: 103.867+/-0.009 χ^2/NDF: 30818693.7/11

- sign 104.198+/-0.013 χ^2/NDF: 15600361.0/59



Right In: -2060.272+/-468.223 χ^2/NDF: 59.6/33

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

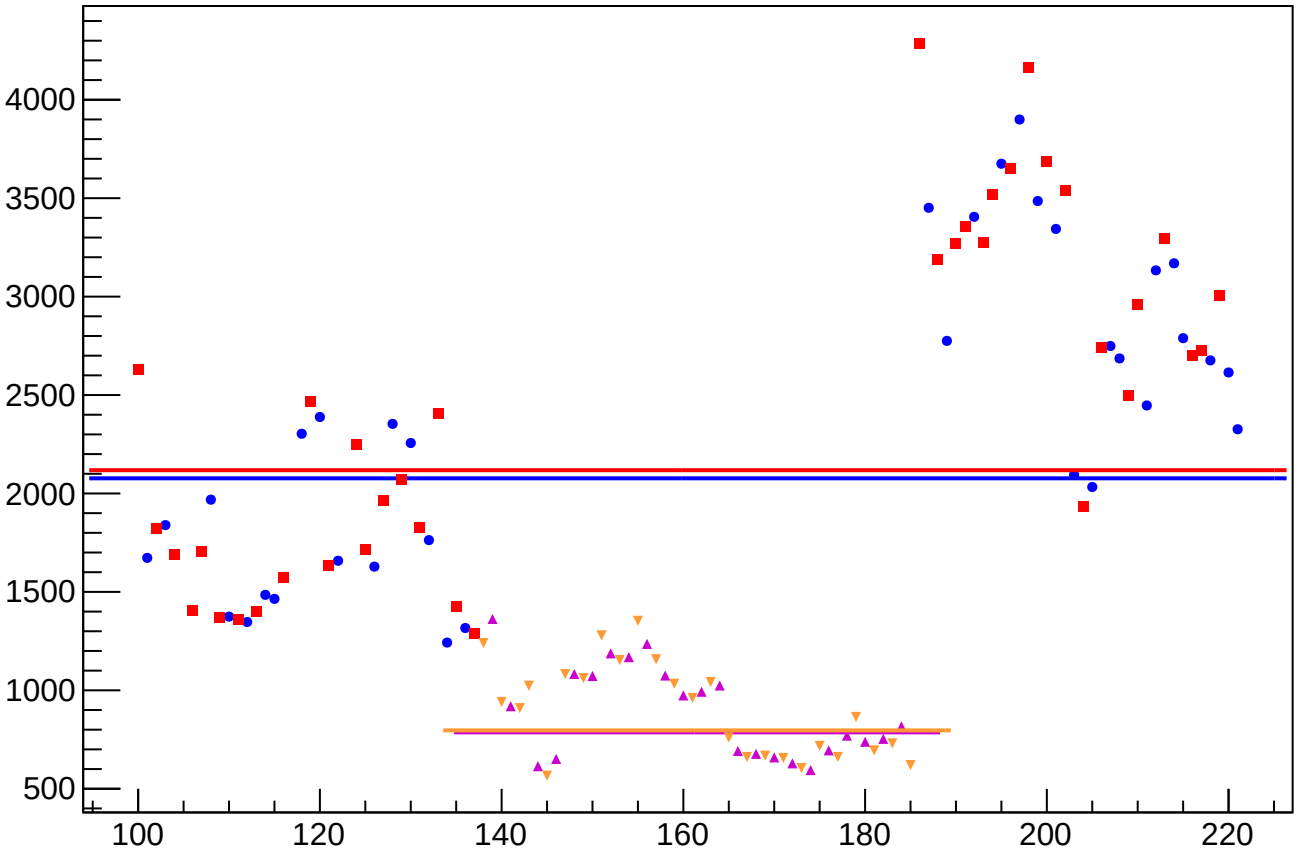
Right Out: -2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -975.867+/-174.266 χ^2/NDF: 137.7/58

All: -691.108+/-124.272 χ^2/NDF: 235.2/118

- sign -396.456+/-177.268 χ^2/NDF: 92.1/59



Right In: 2076.931+/-0.331 χ^2/NDF: 4340908.2/33

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

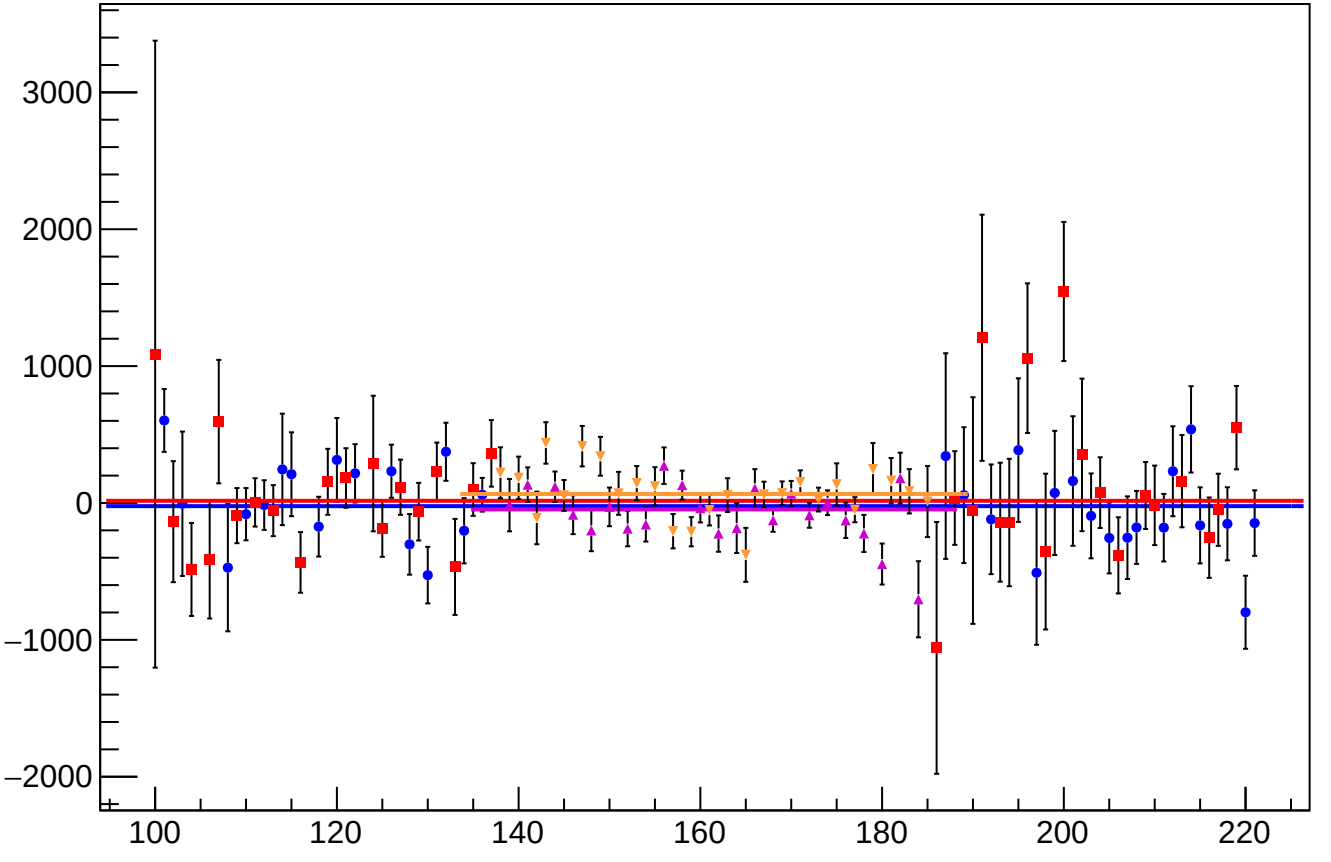
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 973.889+/-0.123 χ^2/NDF: 19643166.4/58

All: 968.116+/-0.088 χ^2/NDF: 39676606.0/11

- sign 962.141+/-0.125 χ^2/NDF: 20028972.8/59

dit_asym_sam3_mean vs Slug



Right In: -23.161+/-44.504 χ^2/NDF: 43.4/33

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.945+/-46.840 χ^2/NDF: 40.6/36

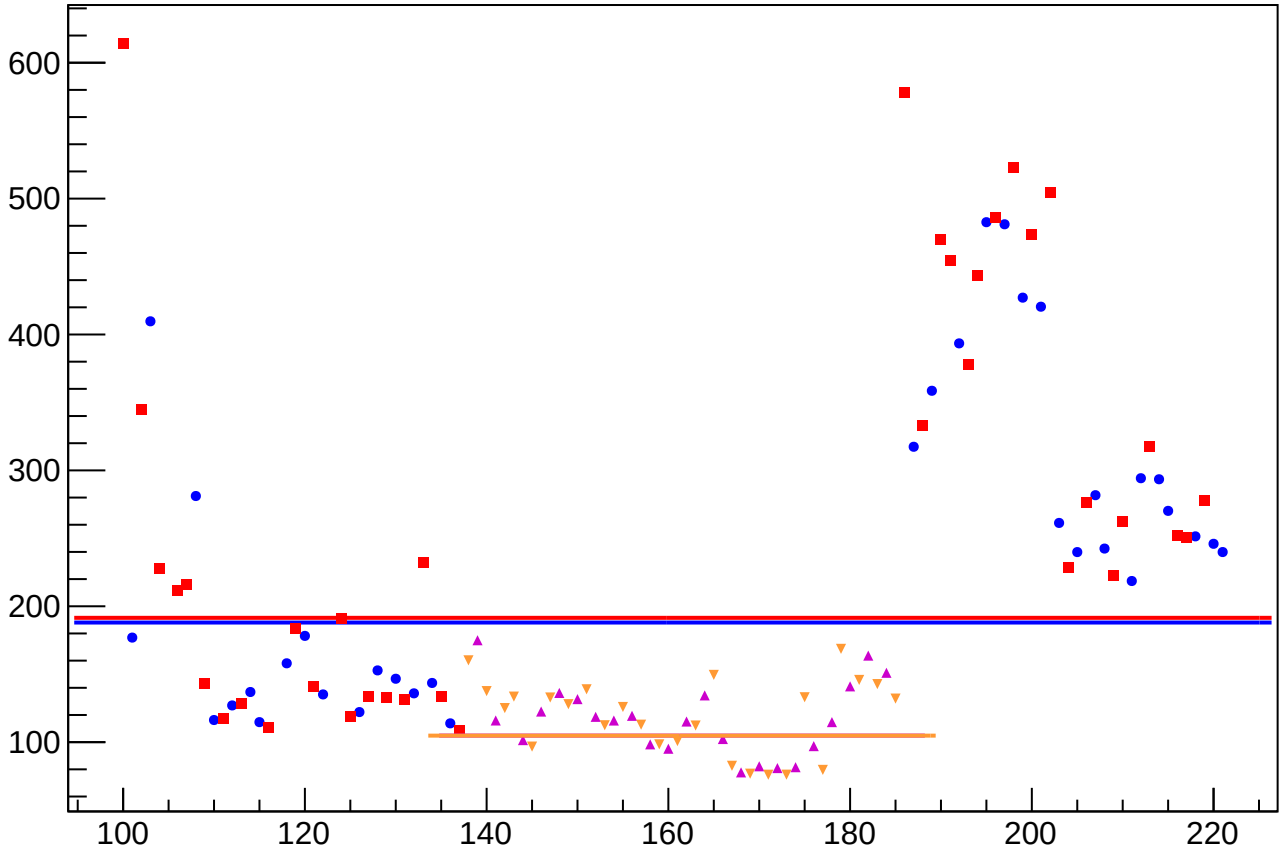
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 44.310+/-21.836 χ^2/NDF: 86.4/58

All: 7.120+/-15.679 χ^2/NDF: 173.1/118

- sign -32.468+/-22.529 χ^2/NDF: 80.6/59

dit_asym_sam3_rms vs Slug



Right In: 188.038+/-0.031 χ^2/NDF: 7052418.1/33

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 191.501+/-0.033 χ^2/NDF: 8141502.5/36

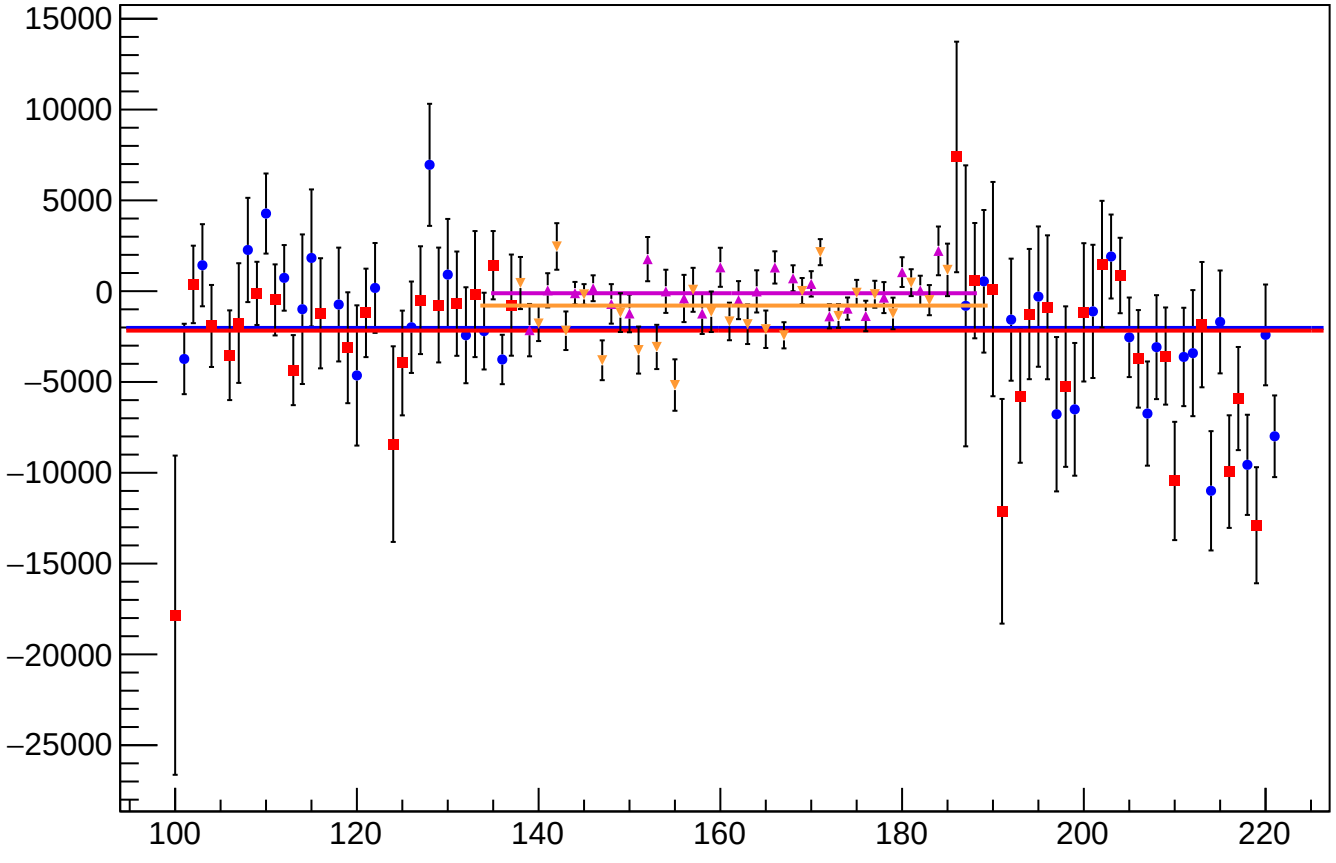
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 124.846+/-0.015 χ^2/NDF: 14606127.3/58

All: 124.864+/-0.011 χ^2/NDF: 29625177.8/11

- sign 124.884+/-0.016 χ^2/NDF: 15019047.7/59

asym_sam3_dit_correction_mean vs Slug



Right In: -2024.346+/-456.752 χ^2/NDF: 59.8/33

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

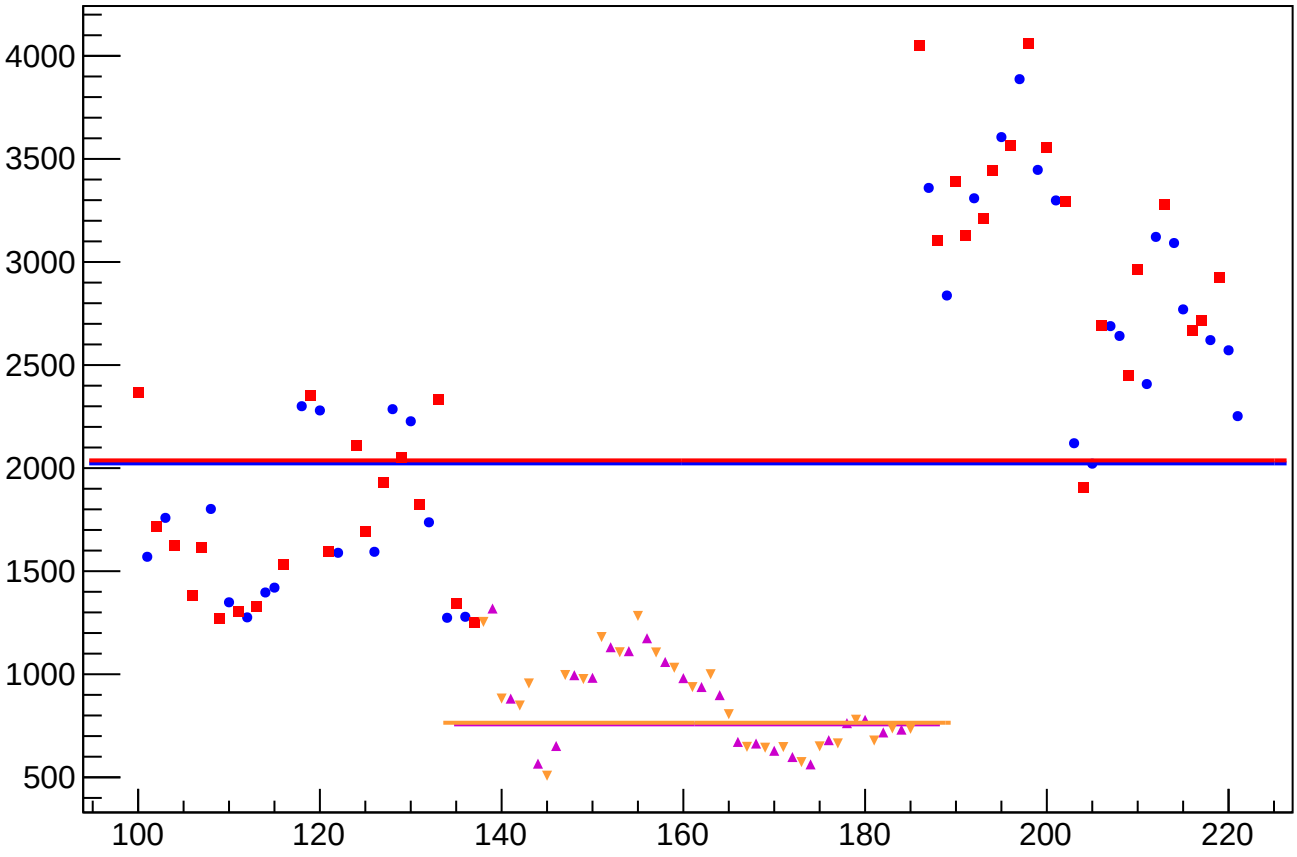
Right Out: -2171.305+/-470.088 χ^2/NDF: 52.5/36

Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -958.423+/-167.382 χ^2/NDF: 136.2/58

All: -677.128+/-119.491 χ^2/NDF: 237.3/118

- sign -384.791+/-170.635 χ^2/NDF: 95.4/59



Right In: 2023.001+/-0.323 χ^2/NDF: 4507073.5/33

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2037.484+/-0.332 χ^2/NDF: 5206312.4/36

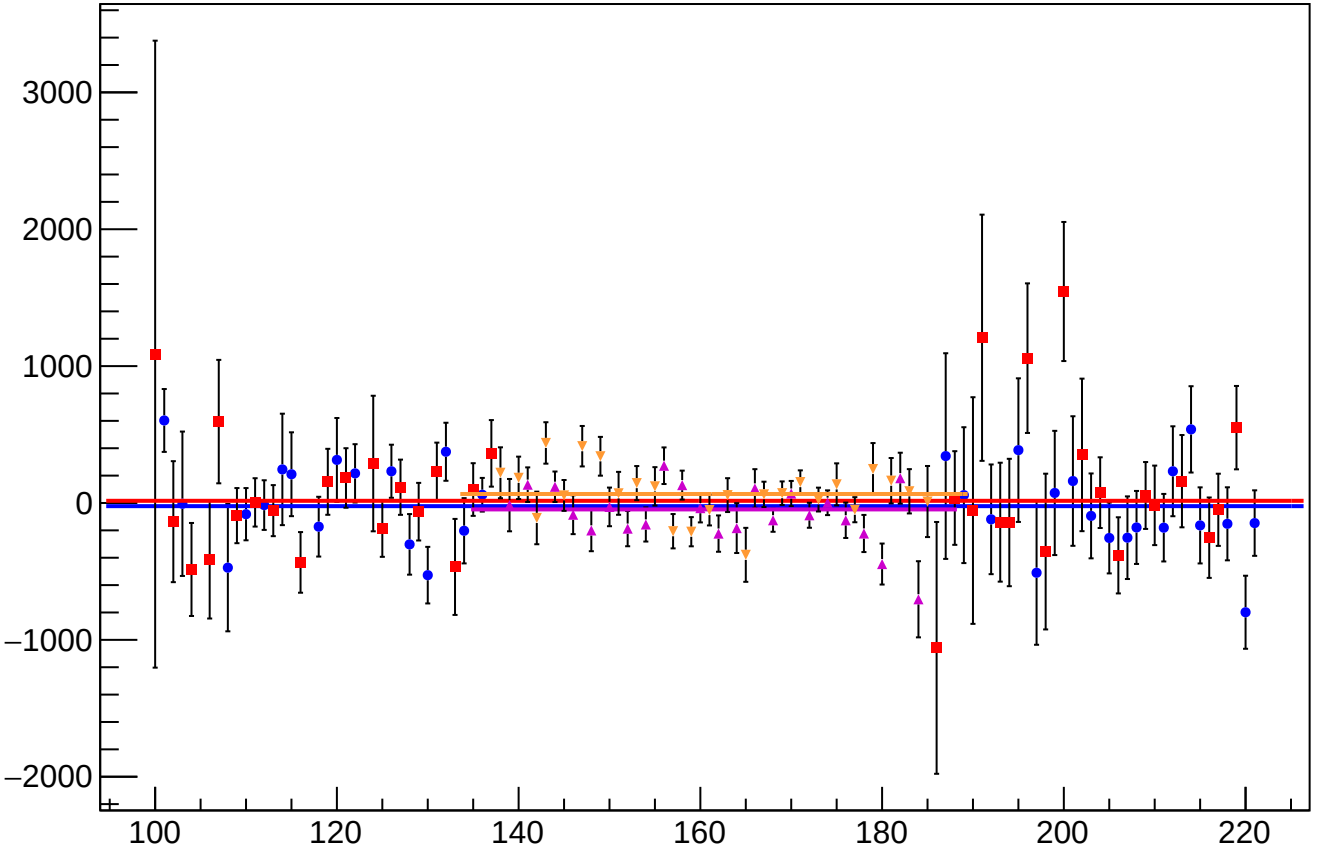
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 933.711+/-0.118 χ^2/NDF: 20072332.6/58

All: 929.759+/-0.084 χ^2/NDF: 40281961.4/11

- sign 925.652+/-0.121 χ^2/NDF: 20207354.7/59

eigen_dit_asym_sam3_mean vs Slug



Right In: -23.161+/-44.504 χ^2/NDF: 43.4/33

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.950+/-46.840 χ^2/NDF: 40.6/36

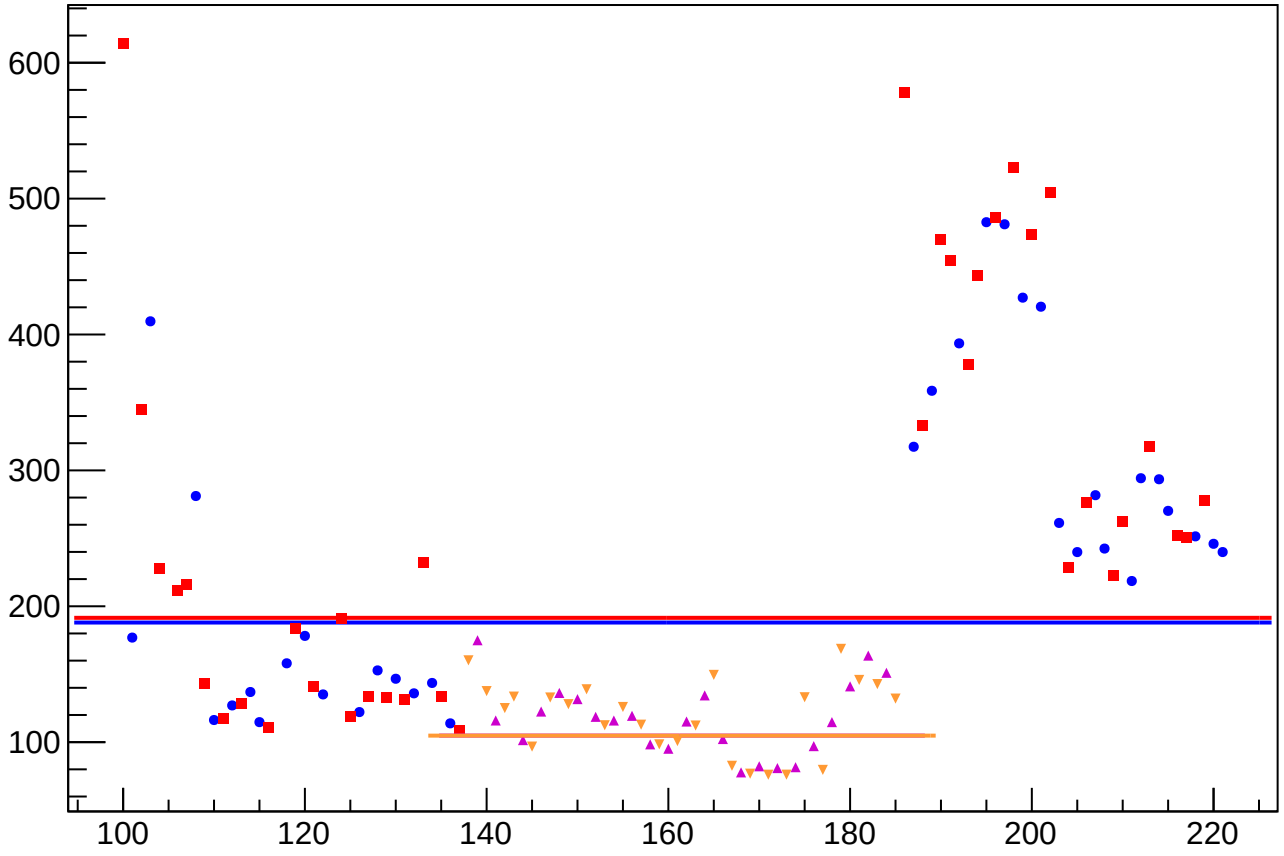
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

\+ sign 44.310+/-21.836 χ^2/NDF: 86.4/58

All: 7.121+/-15.679 χ^2/NDF: 173.1/118

\- sign -32.467+/-22.529 χ^2/NDF: 80.6/59

eigen_dit_asym_sam3_rms vs Slug



Right In: 188.038+/-0.031 χ^2/NDF: 7052396.6/33

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 191.502+/-0.033 χ^2/NDF: 8141473.1/36

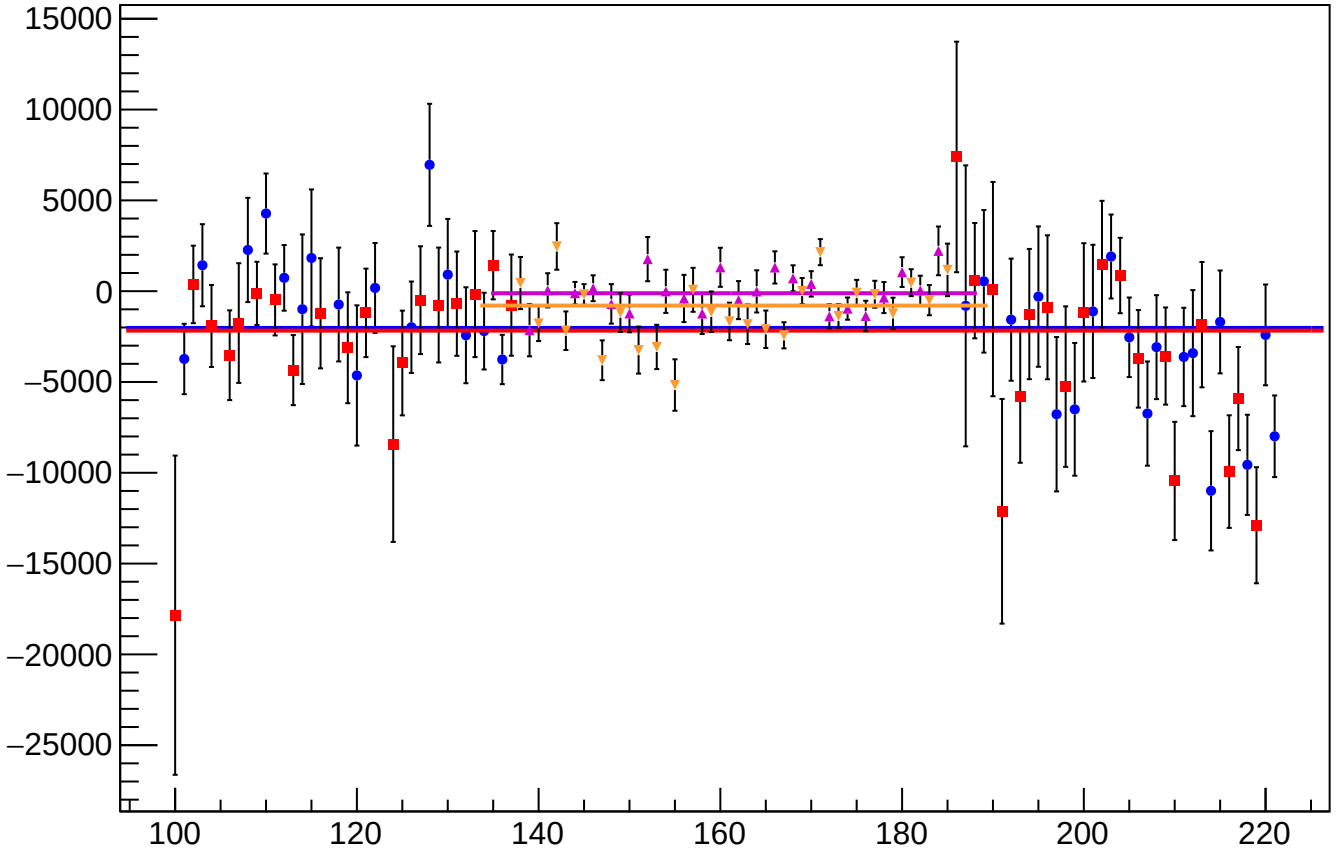
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 124.846+/-0.015 χ^2/NDF: 14606101.1/58

All: 124.865+/-0.011 χ^2/NDF: 29625131.6/11

- sign 124.884+/-0.016 χ^2/NDF: 15019027.6/59

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -2024.342+/-456.752 χ^2/NDF: 59.8/33

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -2171.302+/-470.087 χ^2/NDF: 52.5/36

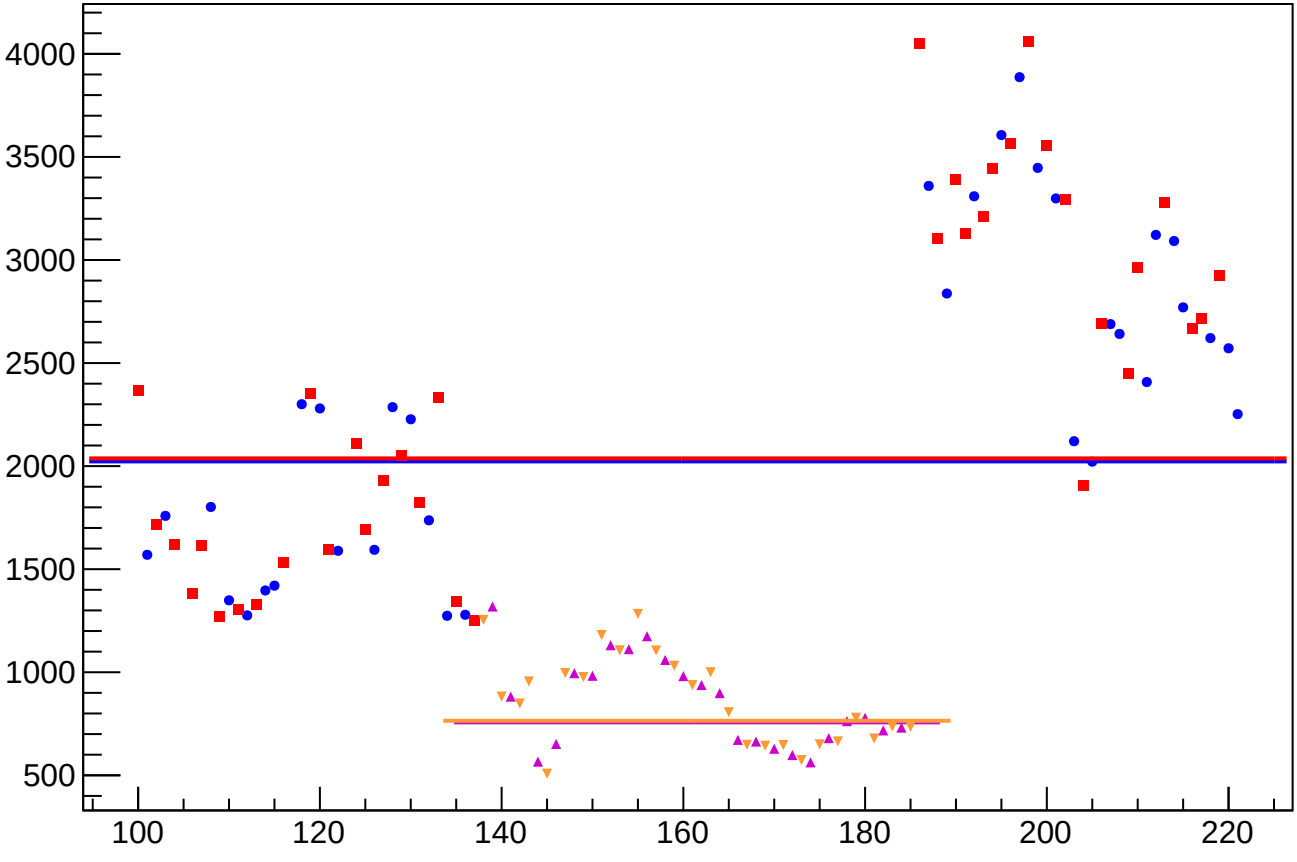
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -958.423+/-167.382 χ^2/NDF: 136.2/58

All: -677.128+/-119.490 χ^2/NDF: 237.3/118

- sign -384.790+/-170.635 χ^2/NDF: 95.4/59

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 2023.000+/-0.323 χ^2/NDF: 4507074.6/33

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2037.481+/-0.332 χ^2/NDF: 5206315.8/36

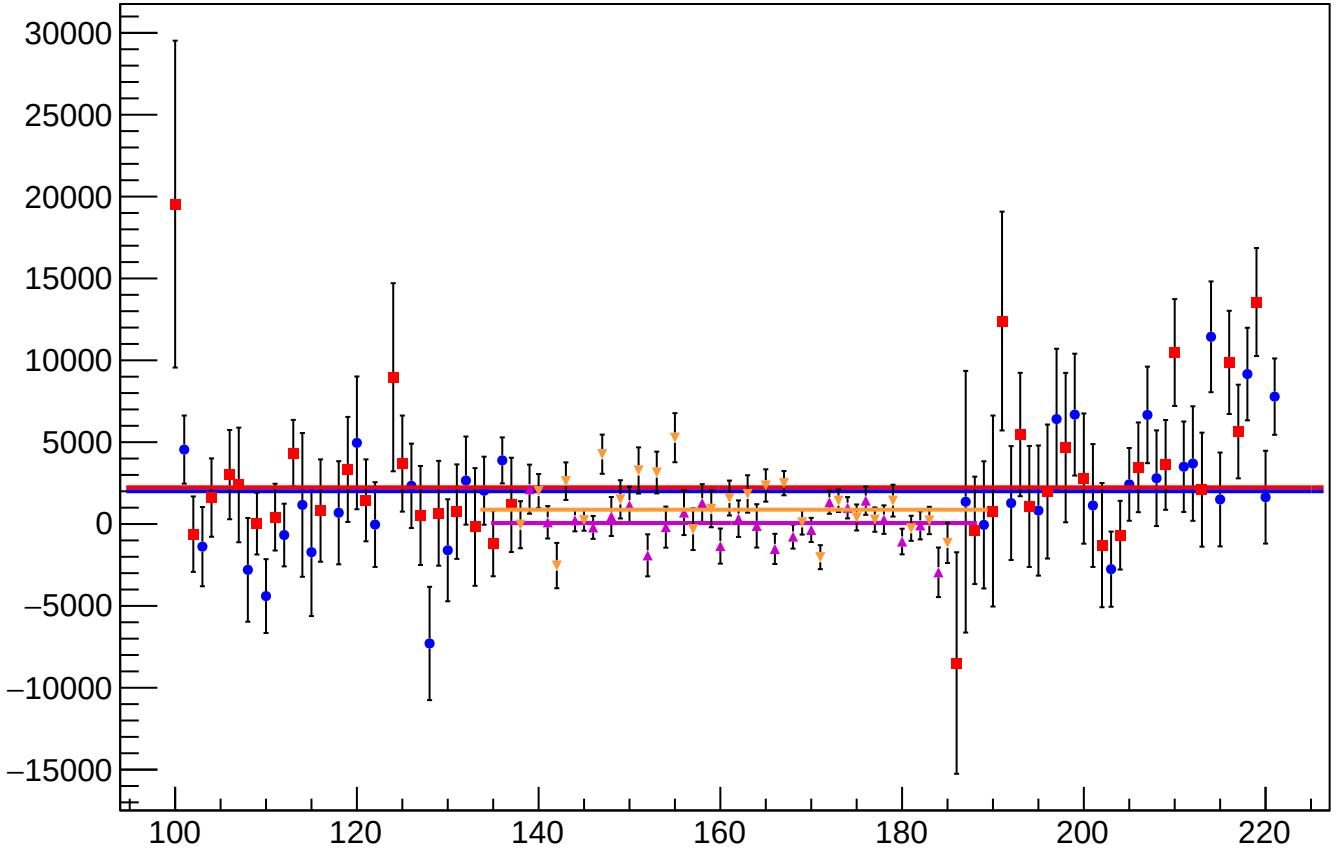
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 933.711+/-0.118 χ^2/NDF: 20072327.0/58

All: 929.758+/-0.084 χ^2/NDF: 40281947.2/11

- sign 925.651+/-0.121 χ^2/NDF: 20207346.2/59

asym_sam3_mean vs Slug



Right In: 2004.699+/-470.525 χ^2/NDF: 59.4/33

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 2242.993+/-489.903 χ^2/NDF: 49.7/36

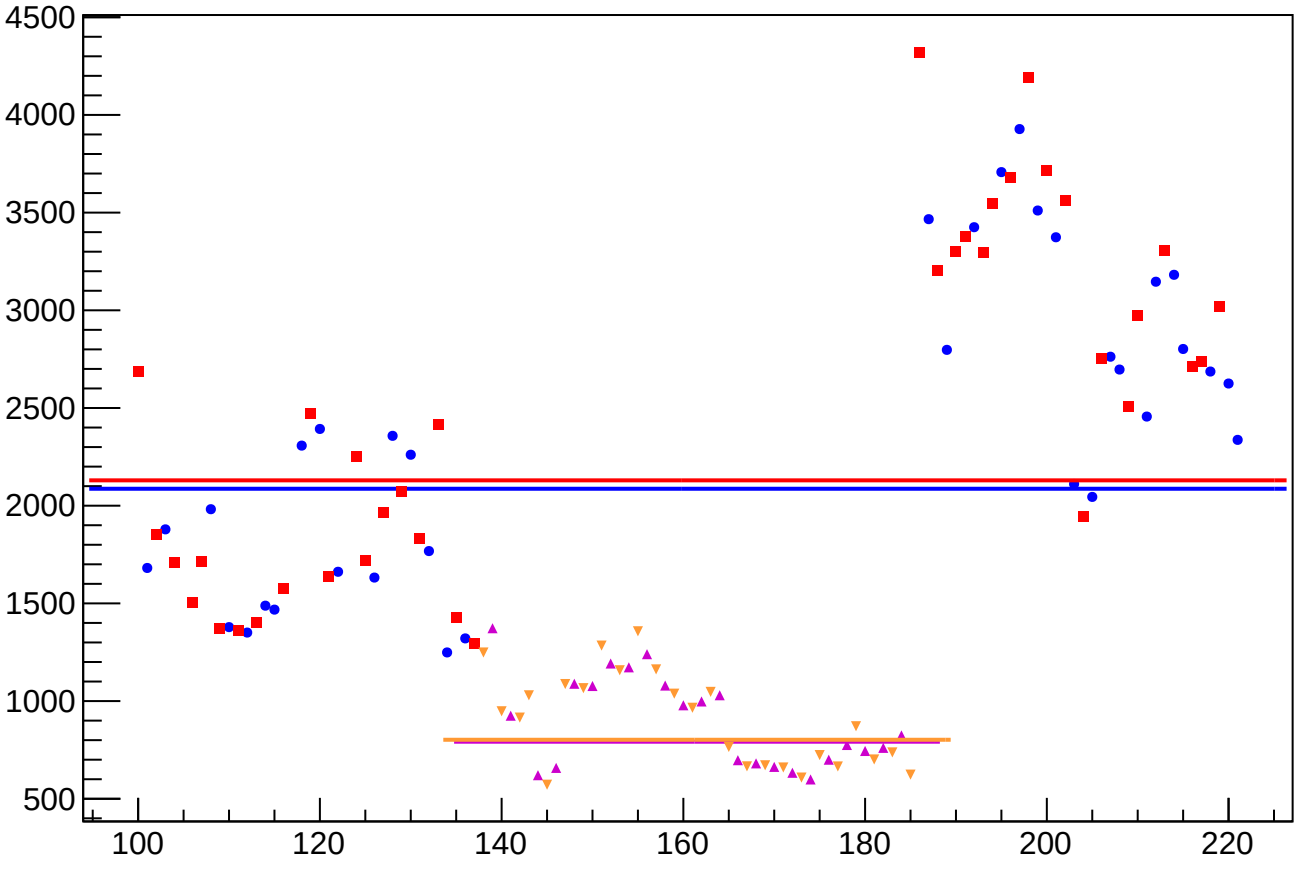
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 1033.223+/-175.379 χ^2/NDF: 131.6/58

All: 698.490+/-125.078 χ^2/NDF: 232.9/118

- sign 351.986+/-178.436 χ^2/NDF: 93.9/59

asym_sam3_rms vs Slug



Right In: 2086.675+/-0.333 χ^2/NDF: 4358007.5/33

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2129.728+/-0.346 χ^2/NDF: 4932205.3/36

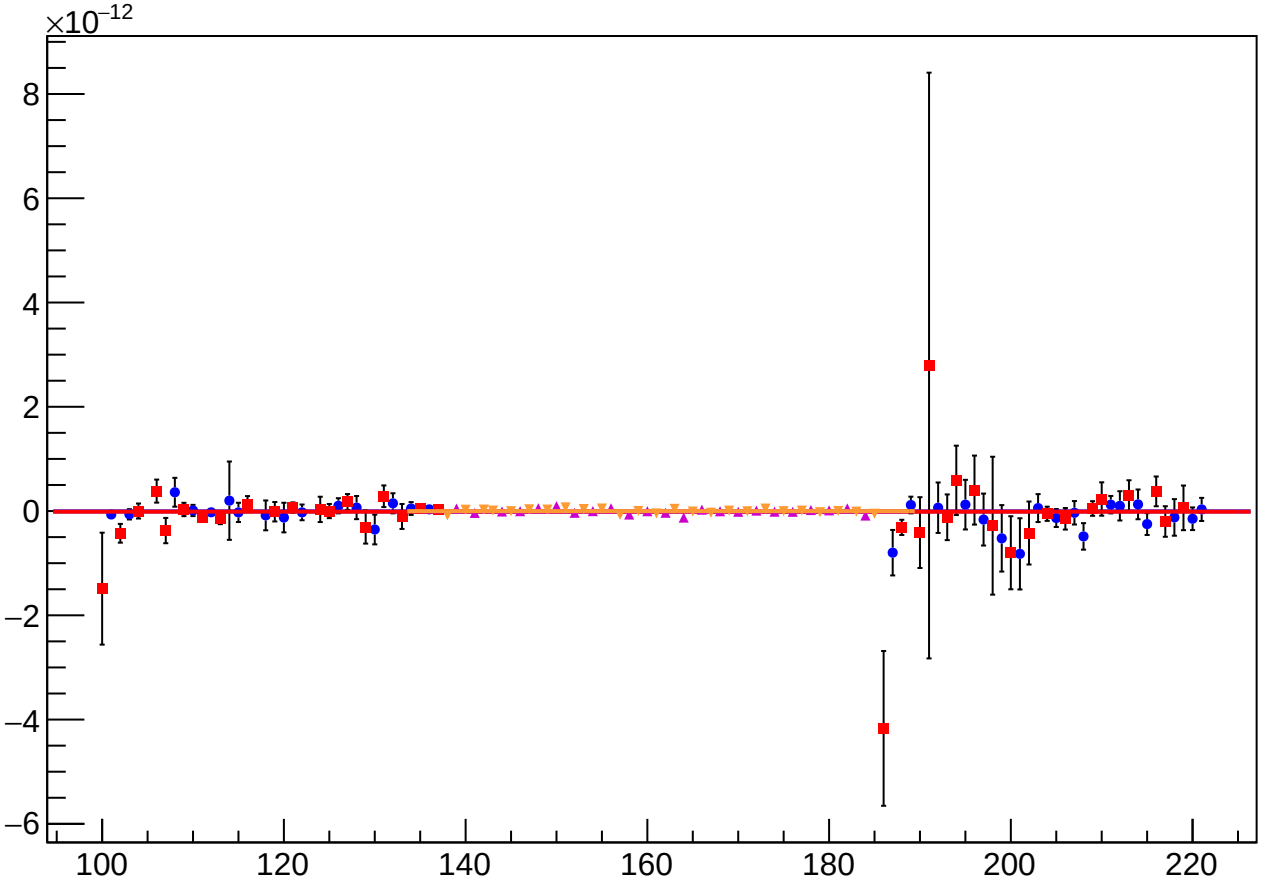
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 980.490+/-0.124 χ^2/NDF: 19591560.7/58

All: 975.098+/-0.088 χ^2/NDF: 39596054.3/11

- sign 969.516+/-0.126 χ^2/NDF: 20000646.2/59

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

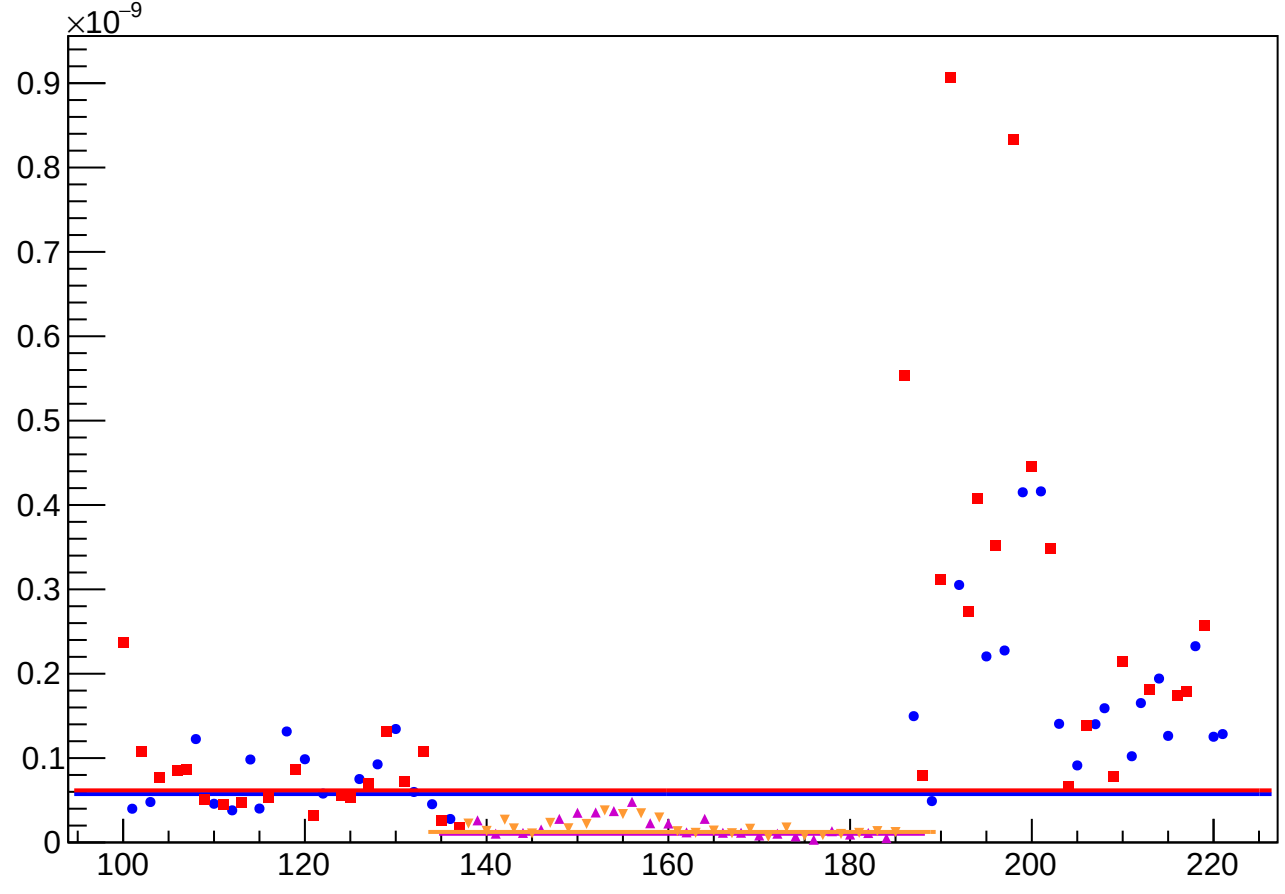
Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/36

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/58

All: -0.000+/-0.000 χ^2/NDF: 120.2/118

- sign -0.000+/-0.000 χ^2/NDF: 75.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 6911092.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7698687.9/36

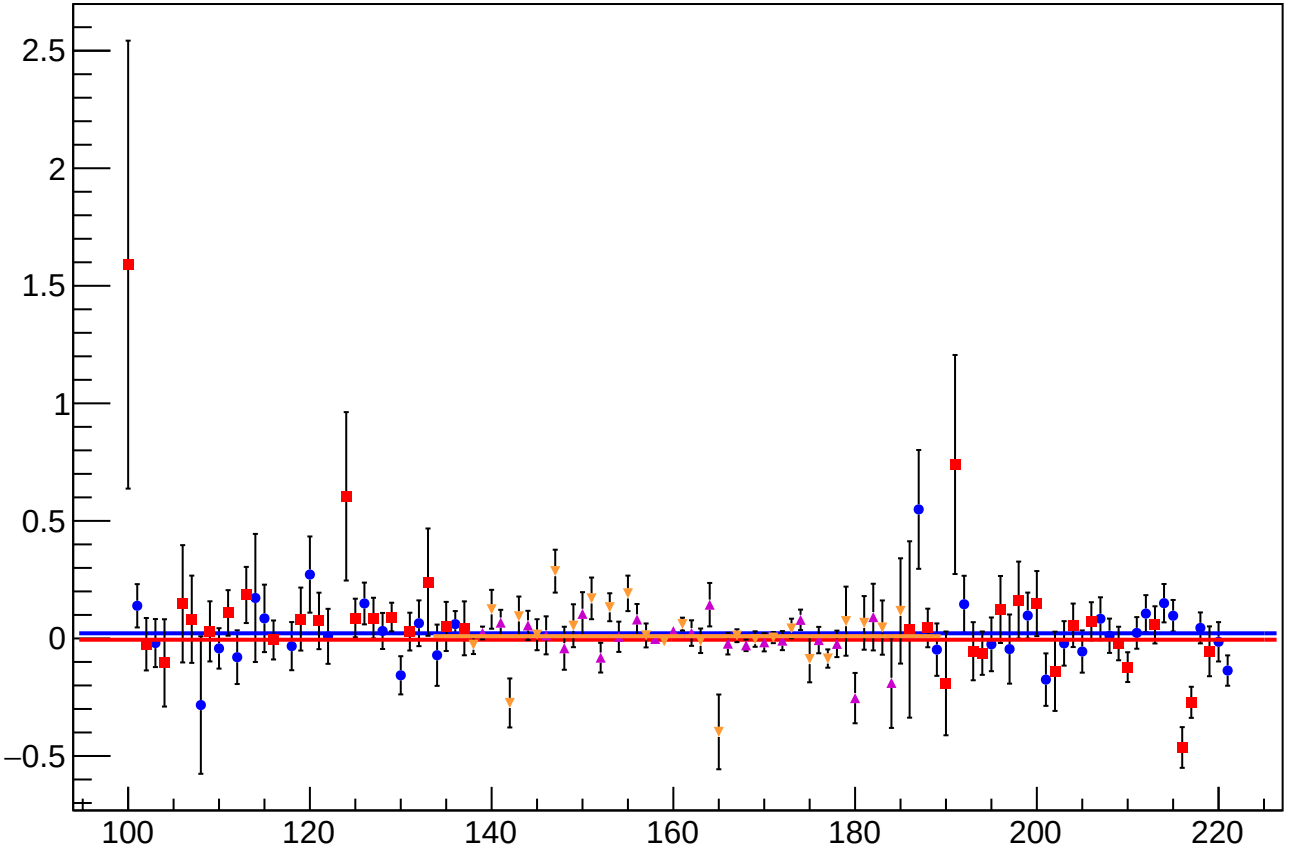
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15364482.3/58

All: 0.000+/-0.000 χ^2/NDF: 33818968.7/118

- sign 0.000+/-0.000 χ^2/NDF: 18199731.3/59

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

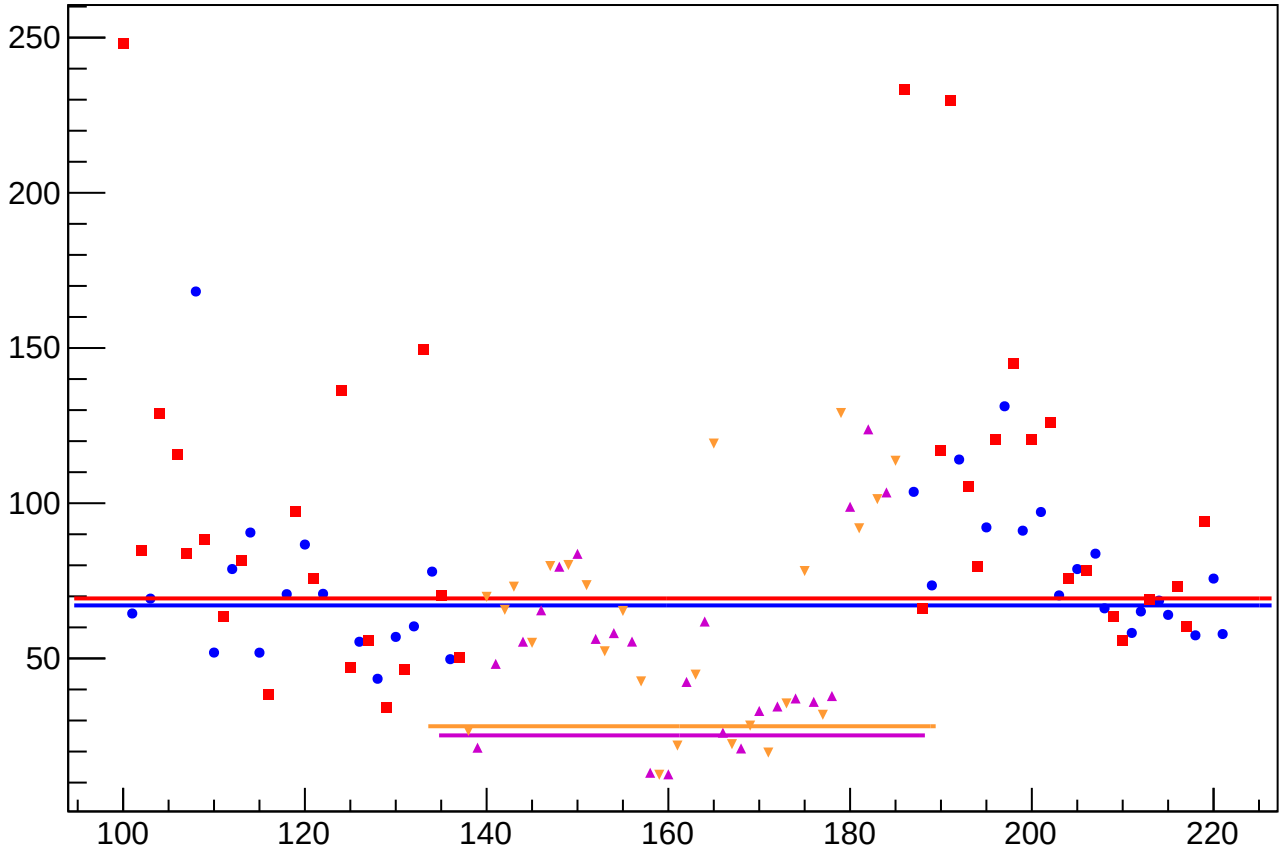
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 195.3/118

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213425.3/33

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

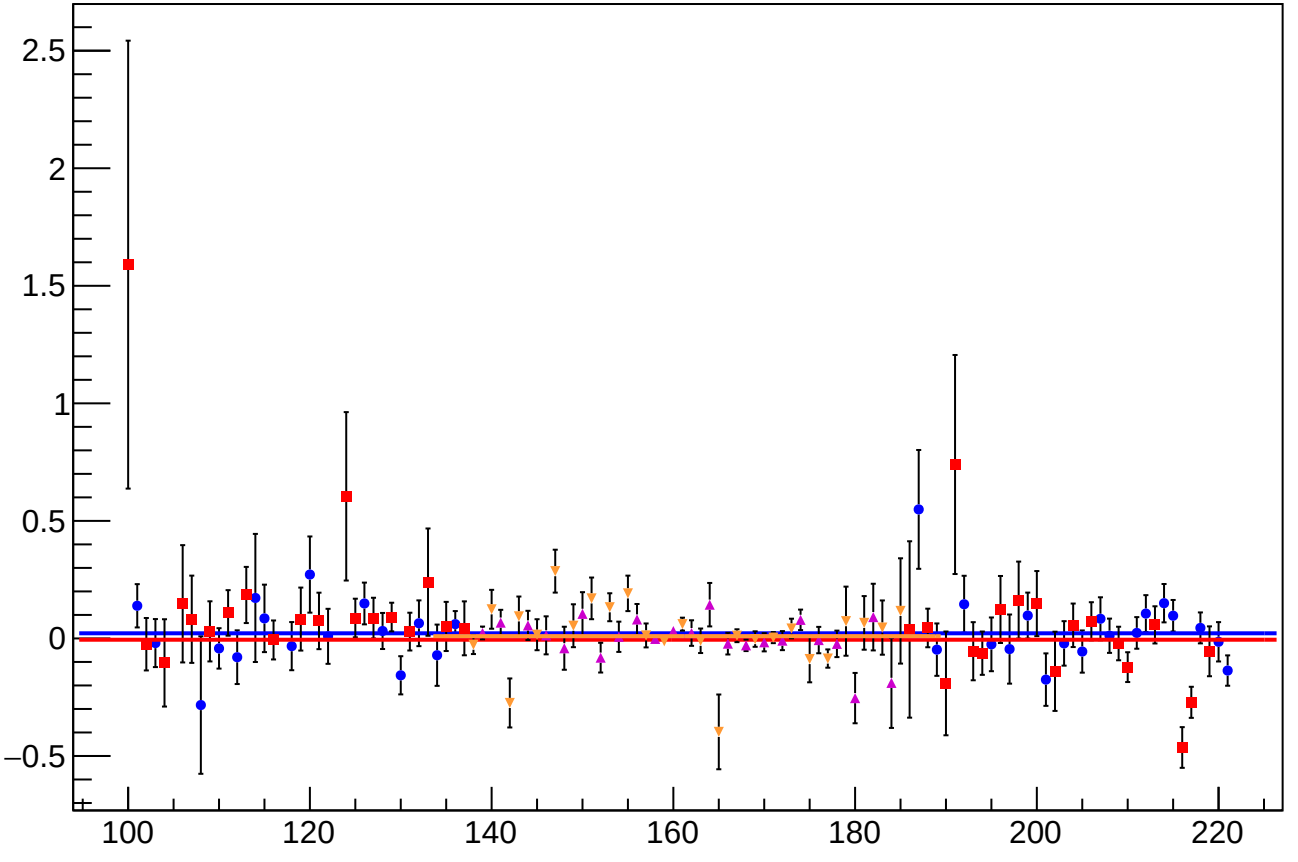
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.860+/-0.005 χ^2/NDF: 22762369.1/58

All: 34.872+/-0.004 χ^2/NDF: 48605008.3/118

- sign 33.022+/-0.005 χ^2/NDF: 25567731.7/59

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

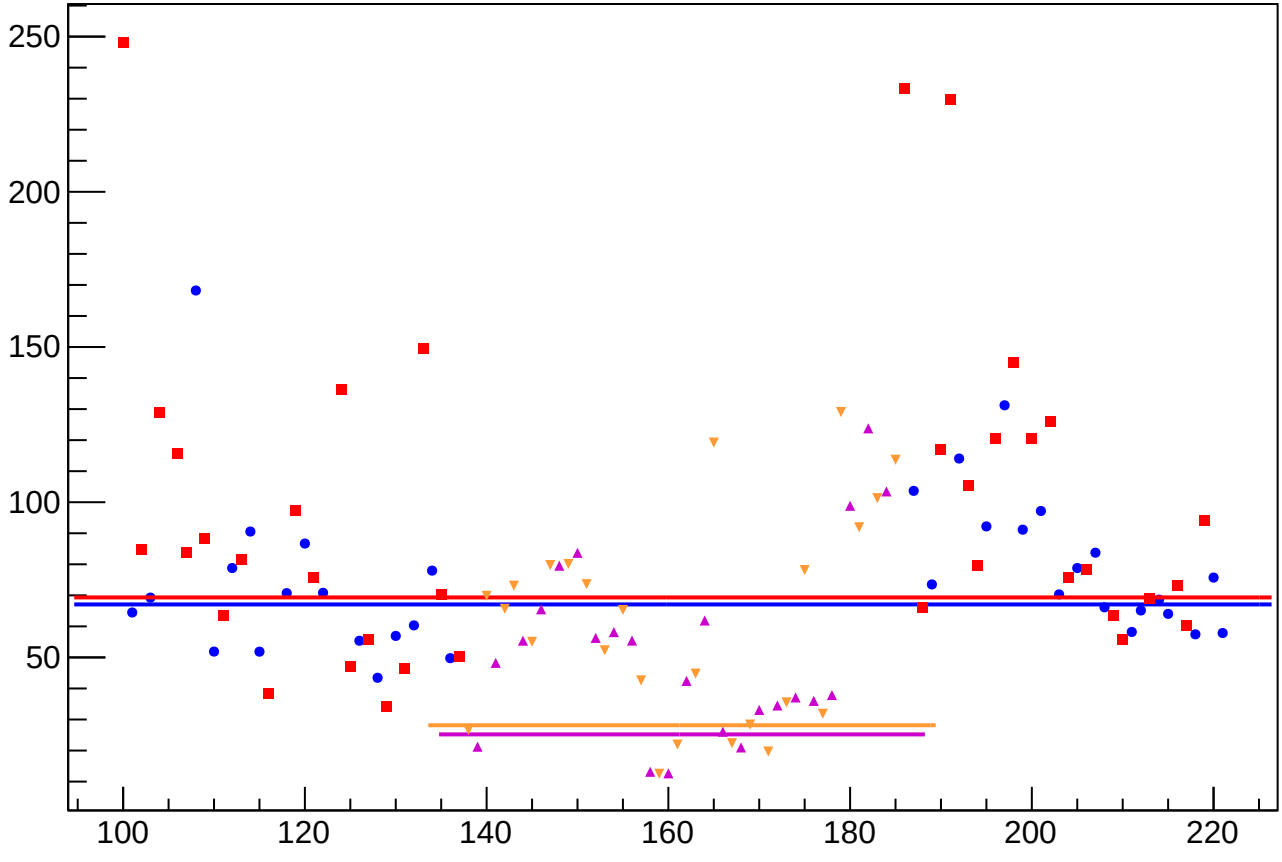
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 195.3/118

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213425.3/33

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

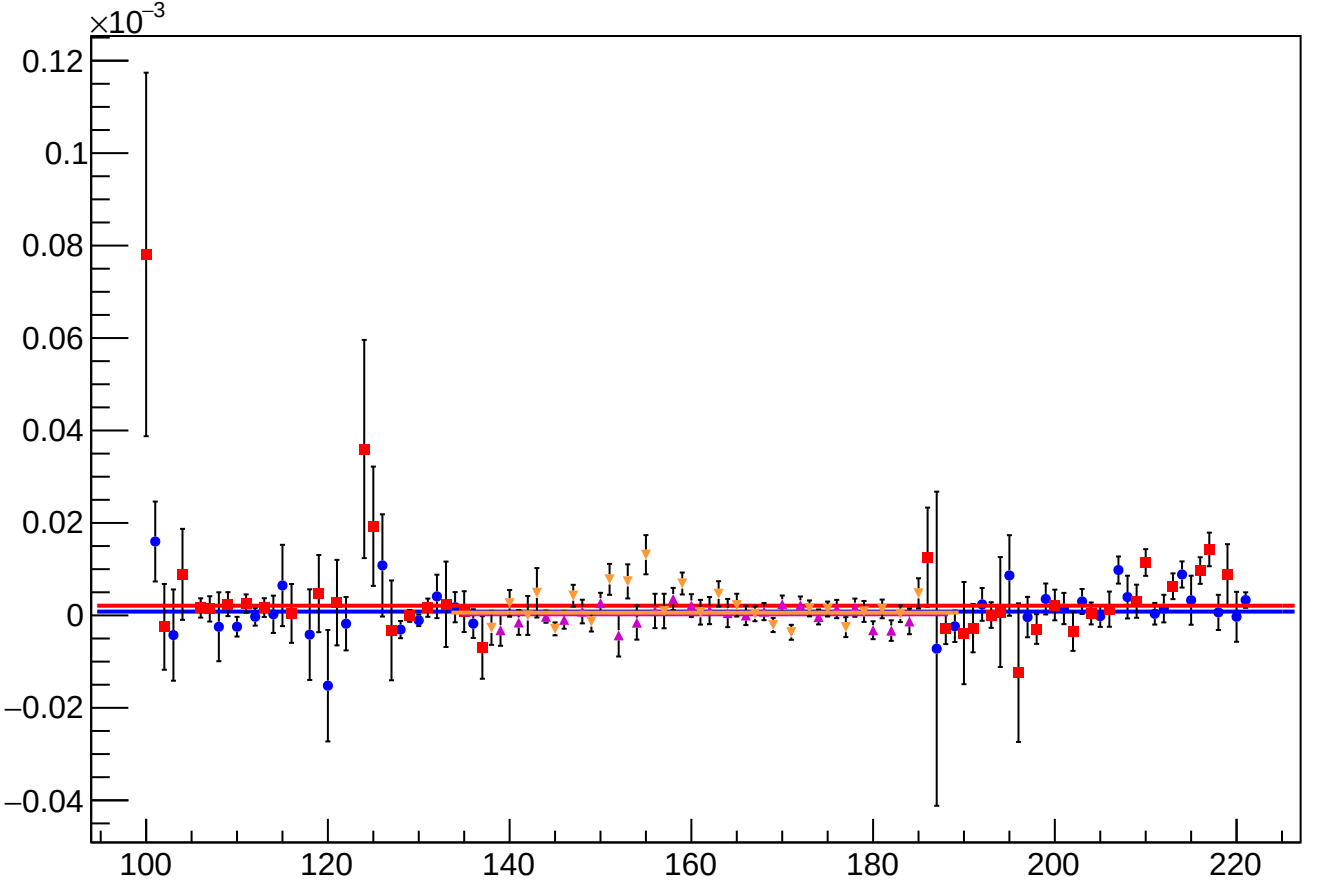
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.860+/-0.005 χ^2/NDF: 22762369.1/58

All: 34.872+/-0.004 χ^2/NDF: 48605008.3/118

- sign 33.022+/-0.005 χ^2/NDF: 25567731.7/59

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

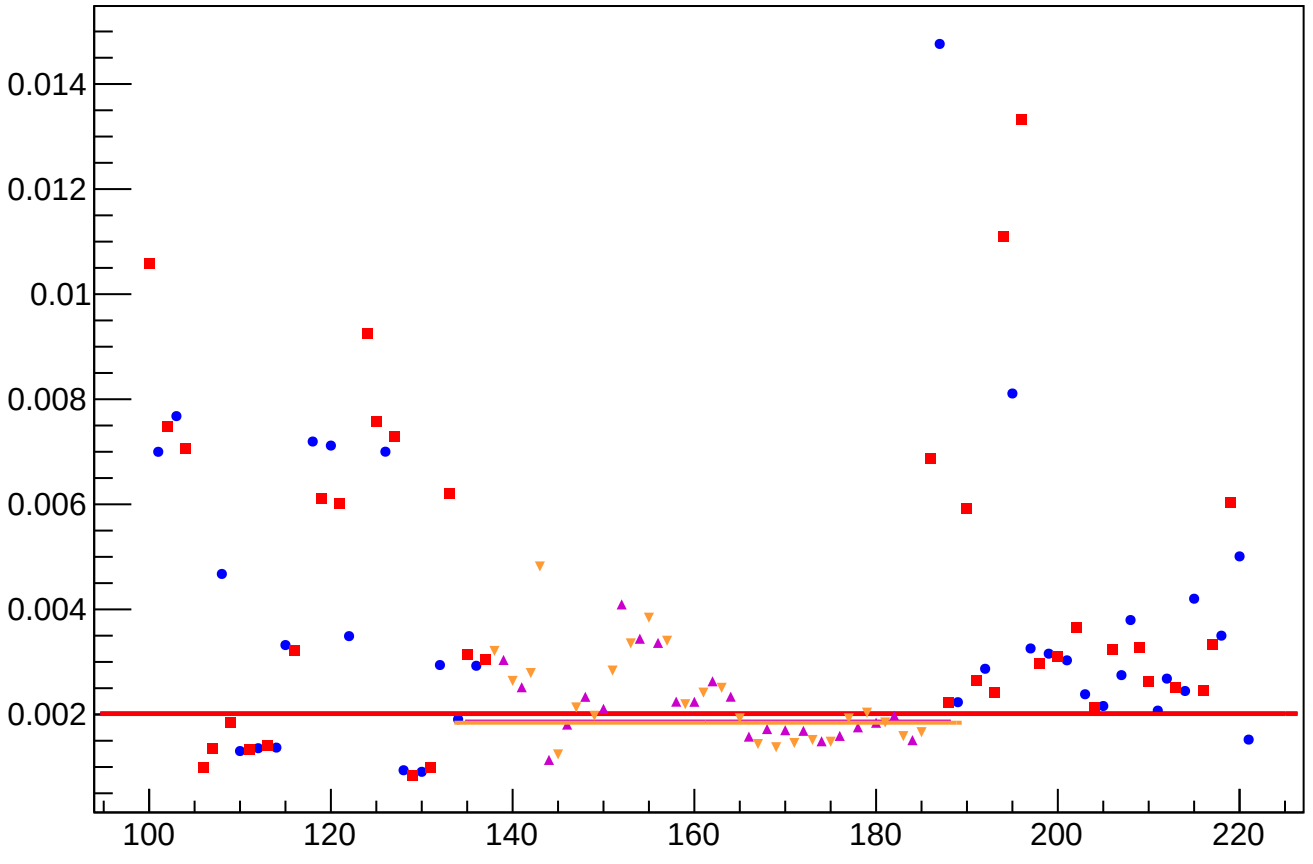
Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/36

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

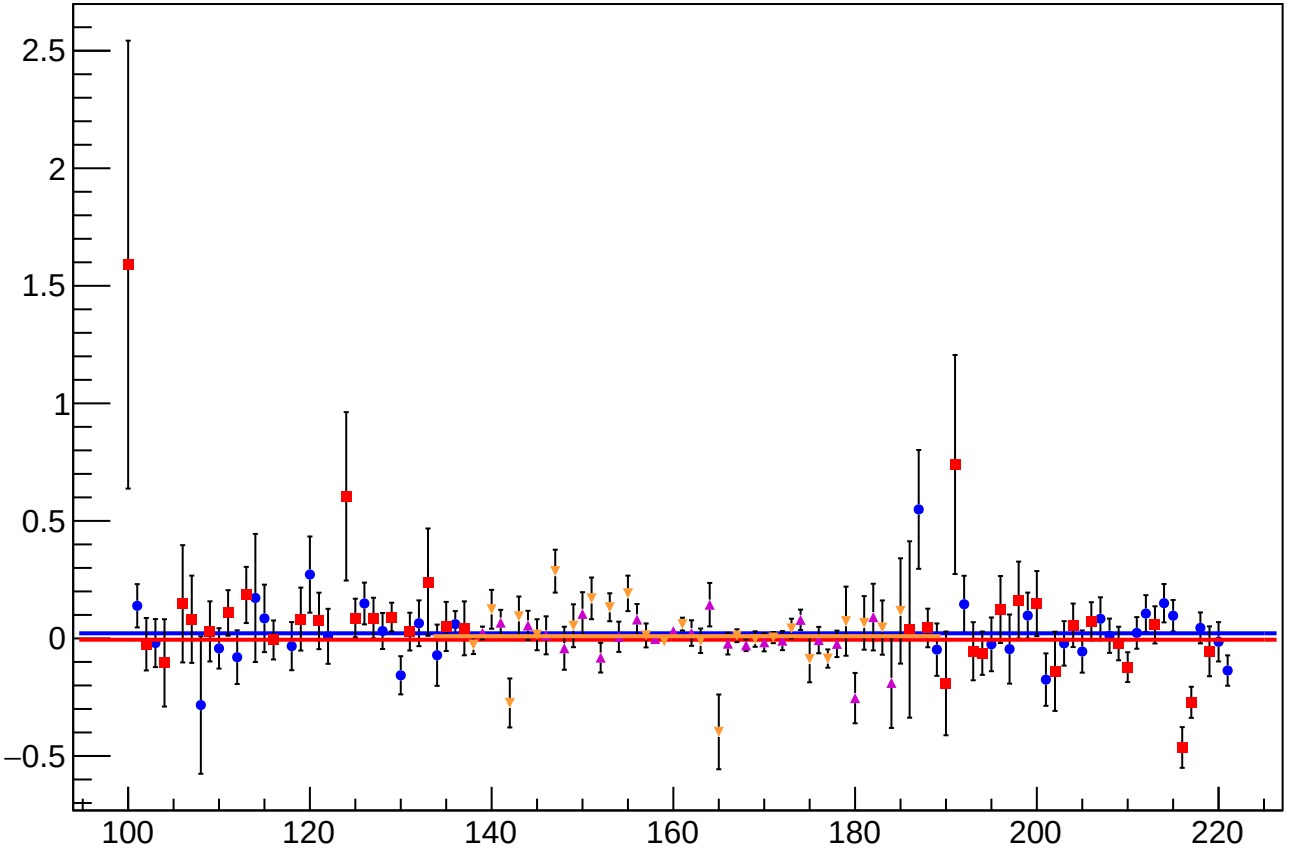
+ sign 0.000+/-0.000 χ^2/NDF: 94.1/58

All: 0.000+/-0.000 χ^2/NDF: 174.2/118

- sign 0.000+/-0.000 χ^2/NDF: 79.7/59


asym_sam3_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
220
Right In: 0.002+/-0.000 χ²/NDF: 10078091.6/33
Left Out: 0.002+/-0.000 χ²/NDF:3783185.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 12532377.1/36
Left In: 0.002+/-0.000 χ²/NDF:2794135.0/22
+ sign 0.002+/-0.000 χ²/NDF: 13996242.9/58
All: 0.002+/-0.000 χ²/NDF: 29404079.9/118
- sign 0.002+/-0.000 χ²/NDF: 15407481.2/59

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

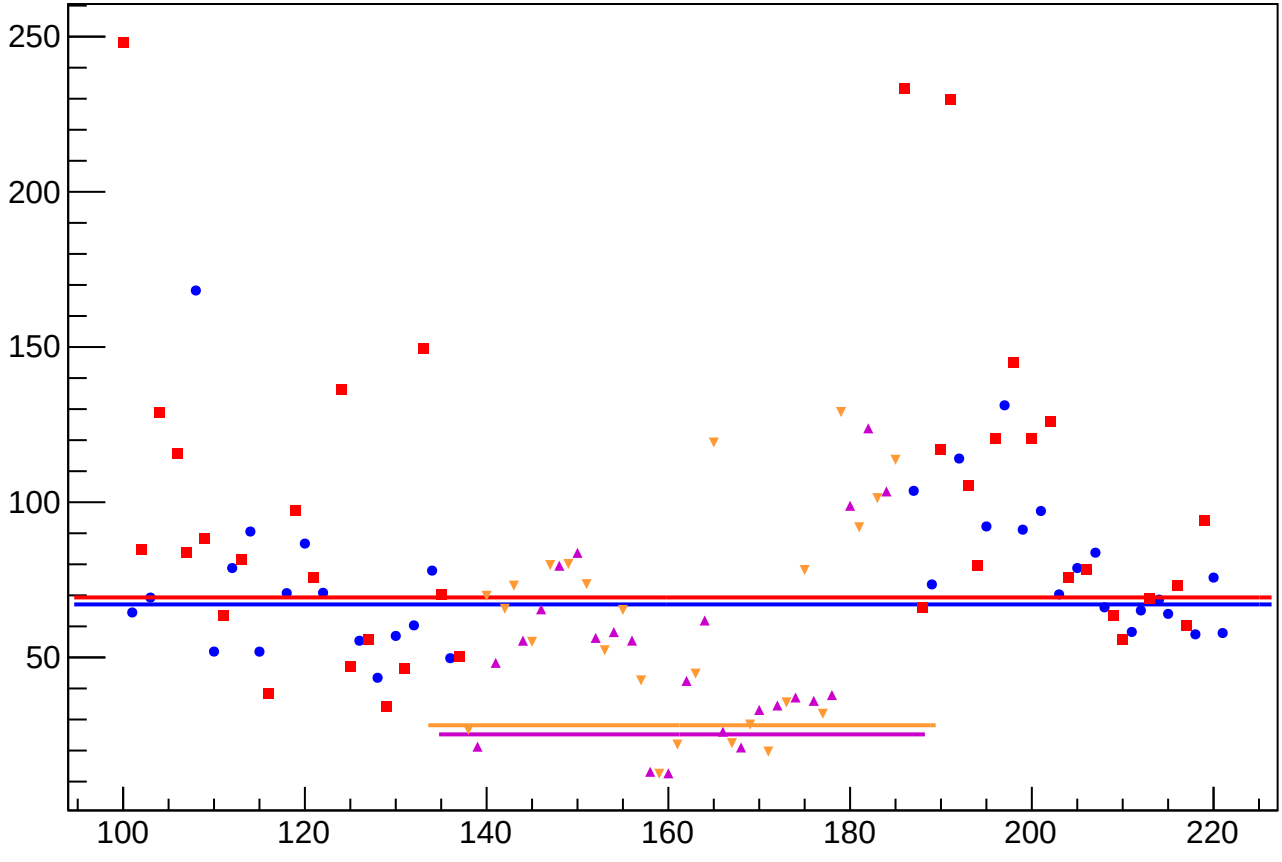
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 195.3/118

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213426.5/33

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

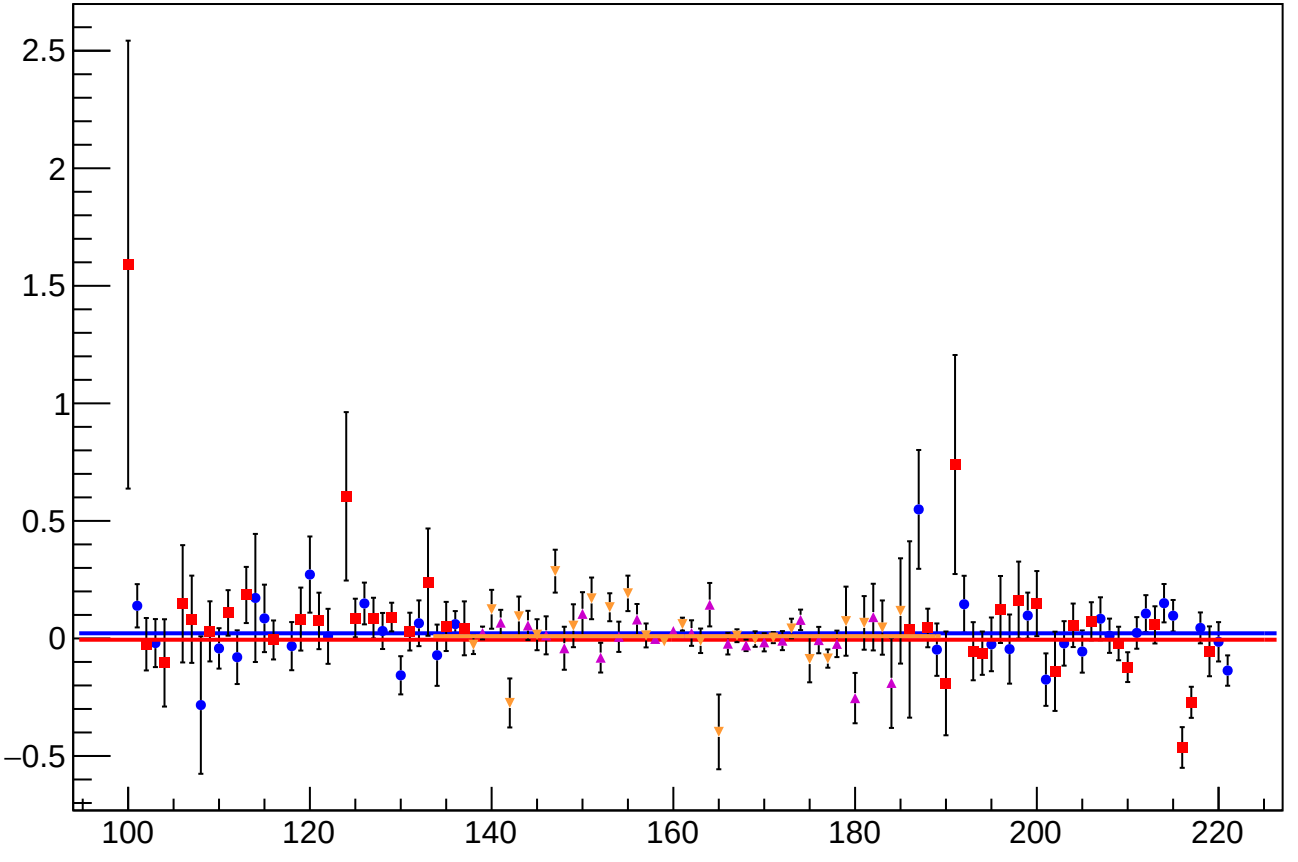
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.859+/-0.005 χ^2/NDF: 22764172.5/58

All: 34.871+/-0.004 χ^2/NDF: 48607644.5/118

- sign 33.021+/-0.005 χ^2/NDF: 25568680.0/59

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.022+/-0.016 χ^2/NDF: 38.0/33

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

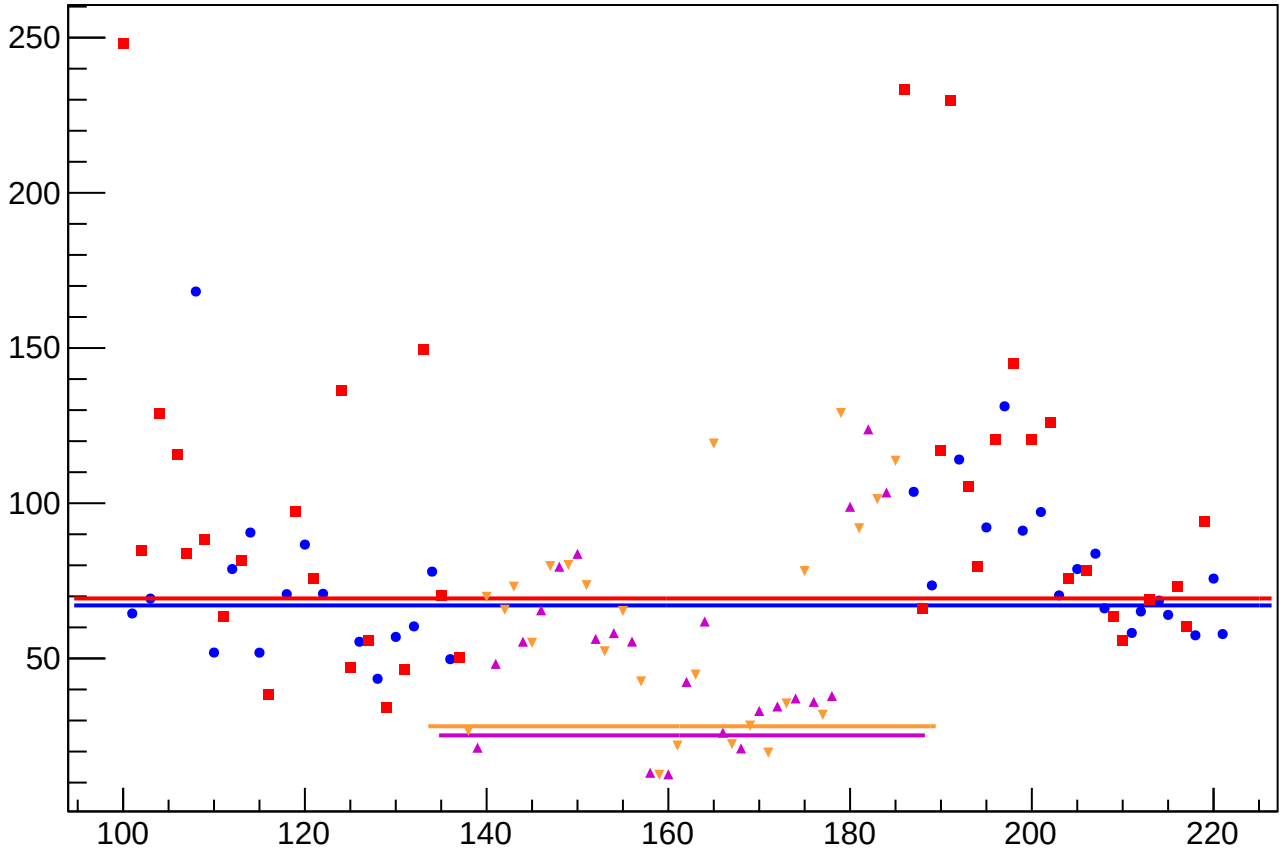
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.012+/-0.007 χ^2/NDF: 93.1/58

All: 0.009+/-0.005 χ^2/NDF: 195.3/118

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.077+/-0.011 χ^2/NDF: 2213426.5/33

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

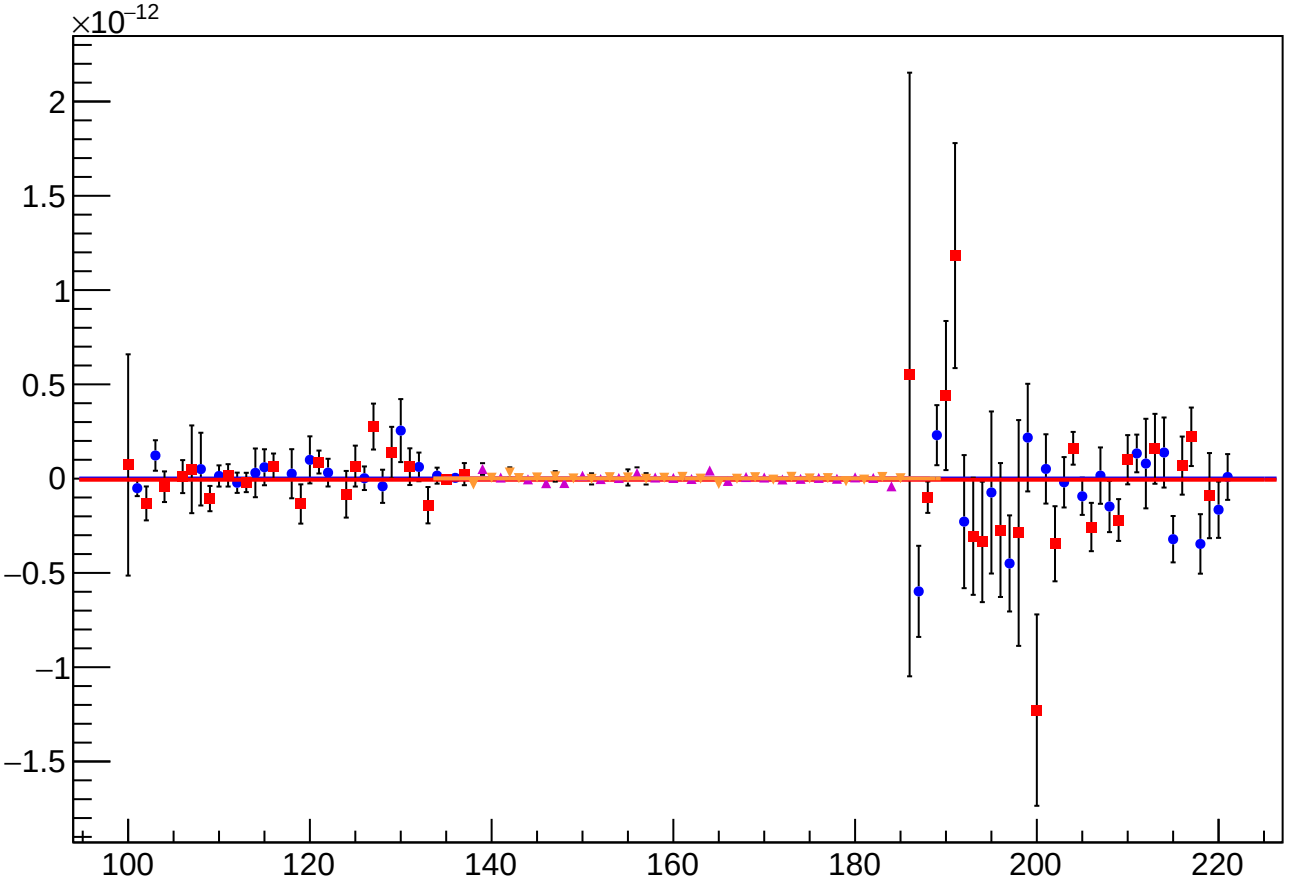
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.859+/-0.005 χ^2/NDF: 22764172.5/58

All: 34.871+/-0.004 χ^2/NDF: 48607644.5/118

- sign 33.021+/-0.005 χ^2/NDF: 25568680.0/59

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

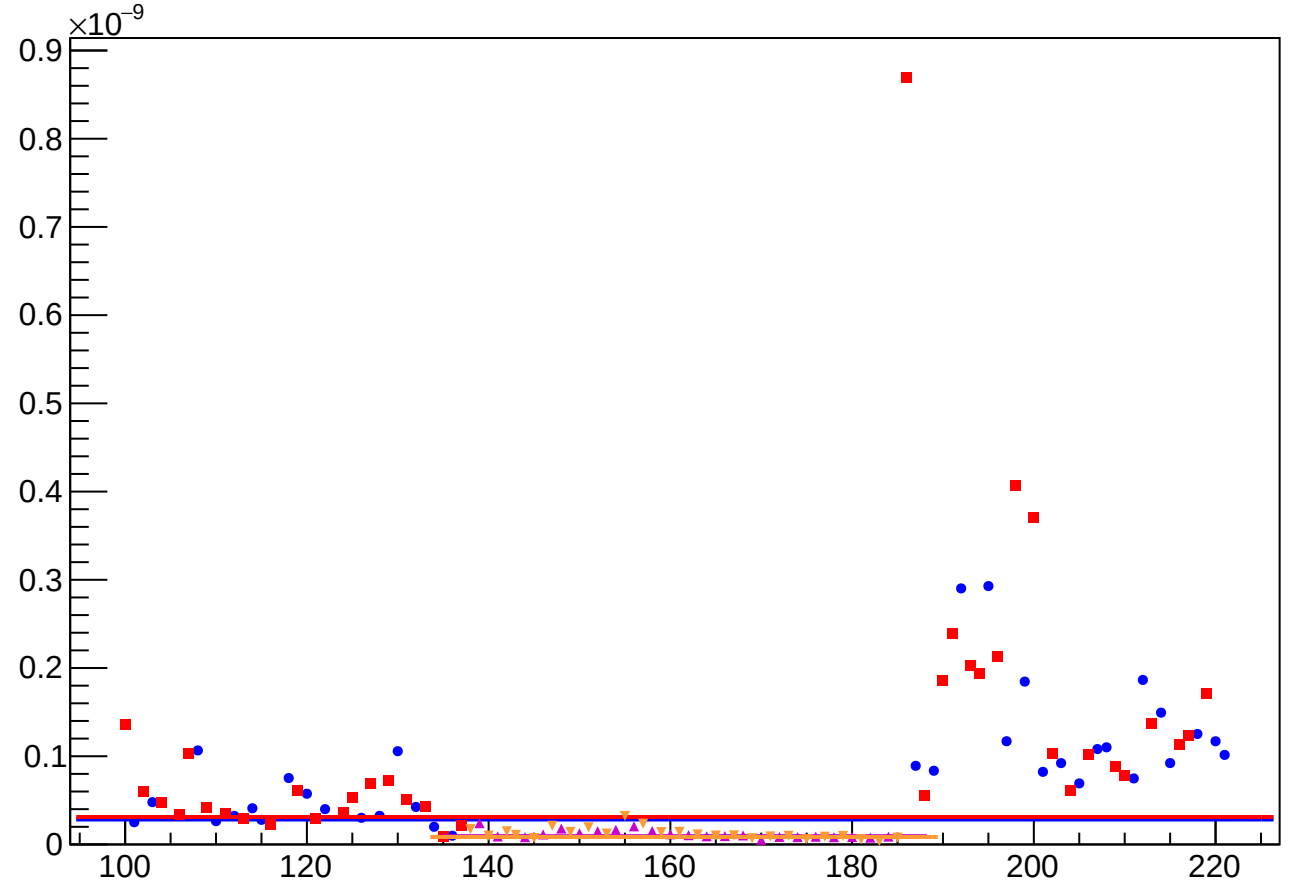
Right Out: -0.000+/-0.000 χ^2/NDF: 53.0/36

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/58

All: 0.000+/-0.000 χ^2/NDF: 124.1/118

- sign 0.000+/-0.000 χ^2/NDF: 74.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 14273077.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13456540.2/36

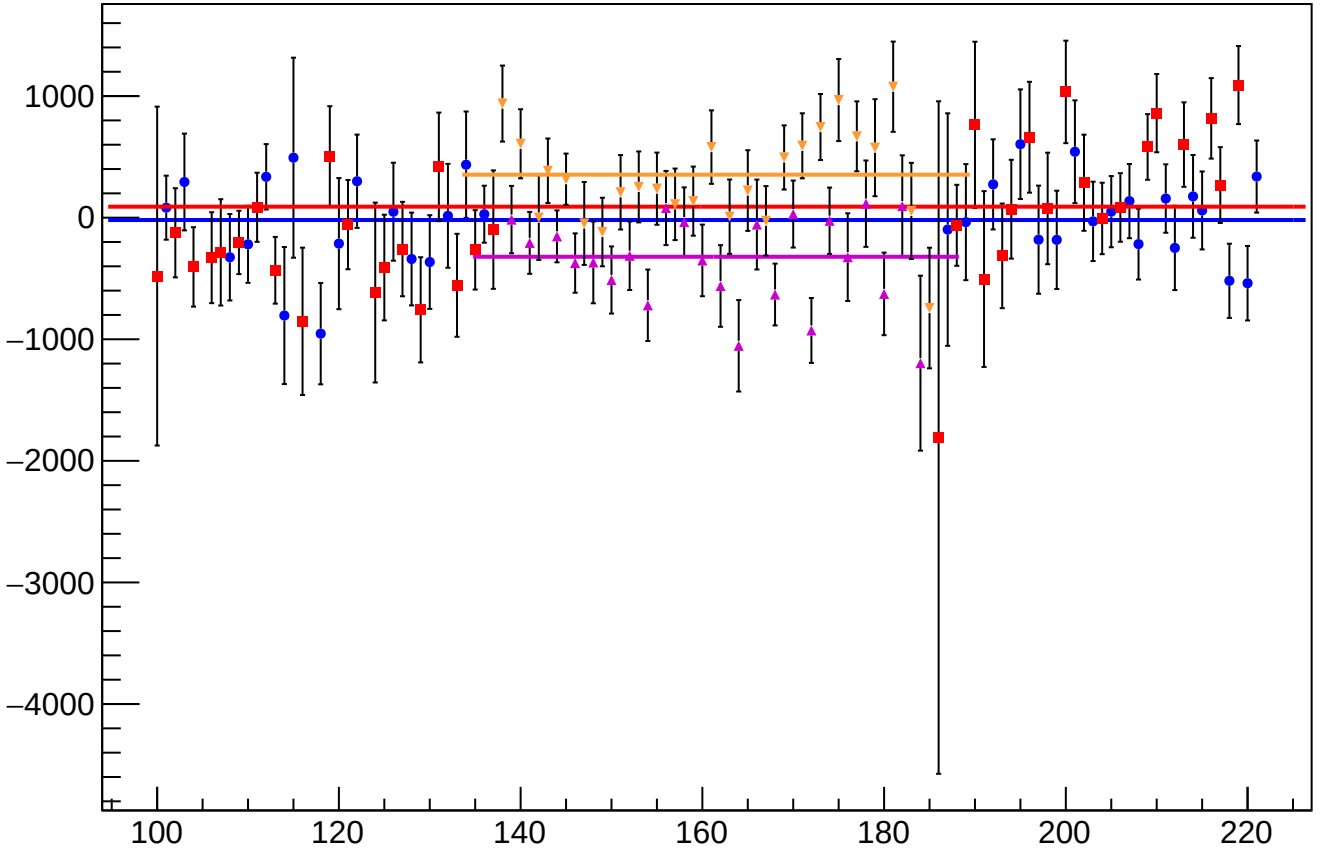
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24216866.7/58

All: 0.000+/-0.000 χ^2/NDF: 45442603.3/118

- sign 0.000+/-0.000 χ^2/NDF: 21103572.9/59

reg_asym_sam4_mean vs Slug



Right In: -19.328+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 90.454+/-61.947 χ^2/NDF: 60.6/36

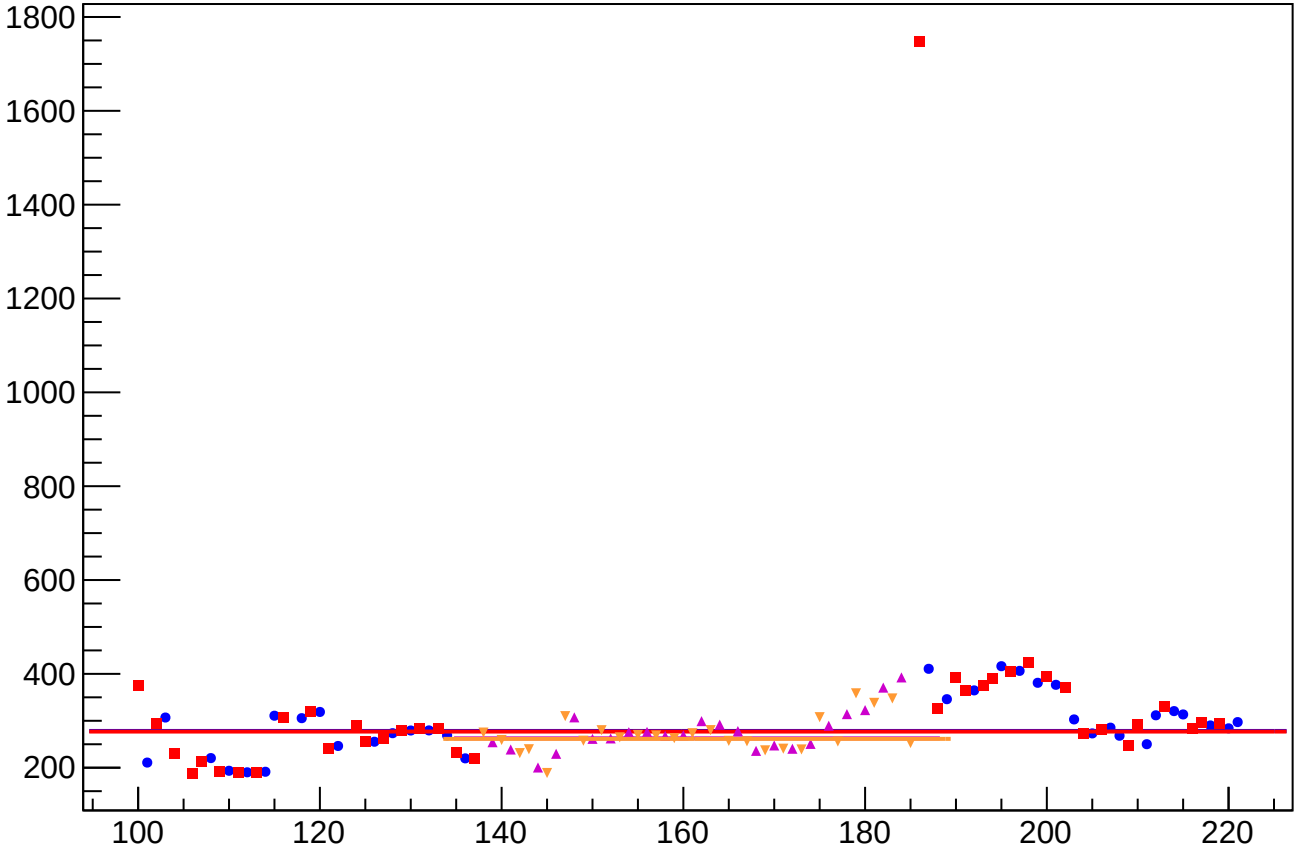
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 168.673+/-42.706 χ^2/NDF: 79.5/58

All: 30.636+/-30.598 χ^2/NDF: 209.9/118

- sign -114.977+/-43.862 χ^2/NDF: 108.9/59

reg_asym_sam4_rms vs Slug



Right In: 278.324+/-0.043 χ^2/NDF: 1668221.0/33

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.066+/-0.044 χ^2/NDF: 2616407.1/36

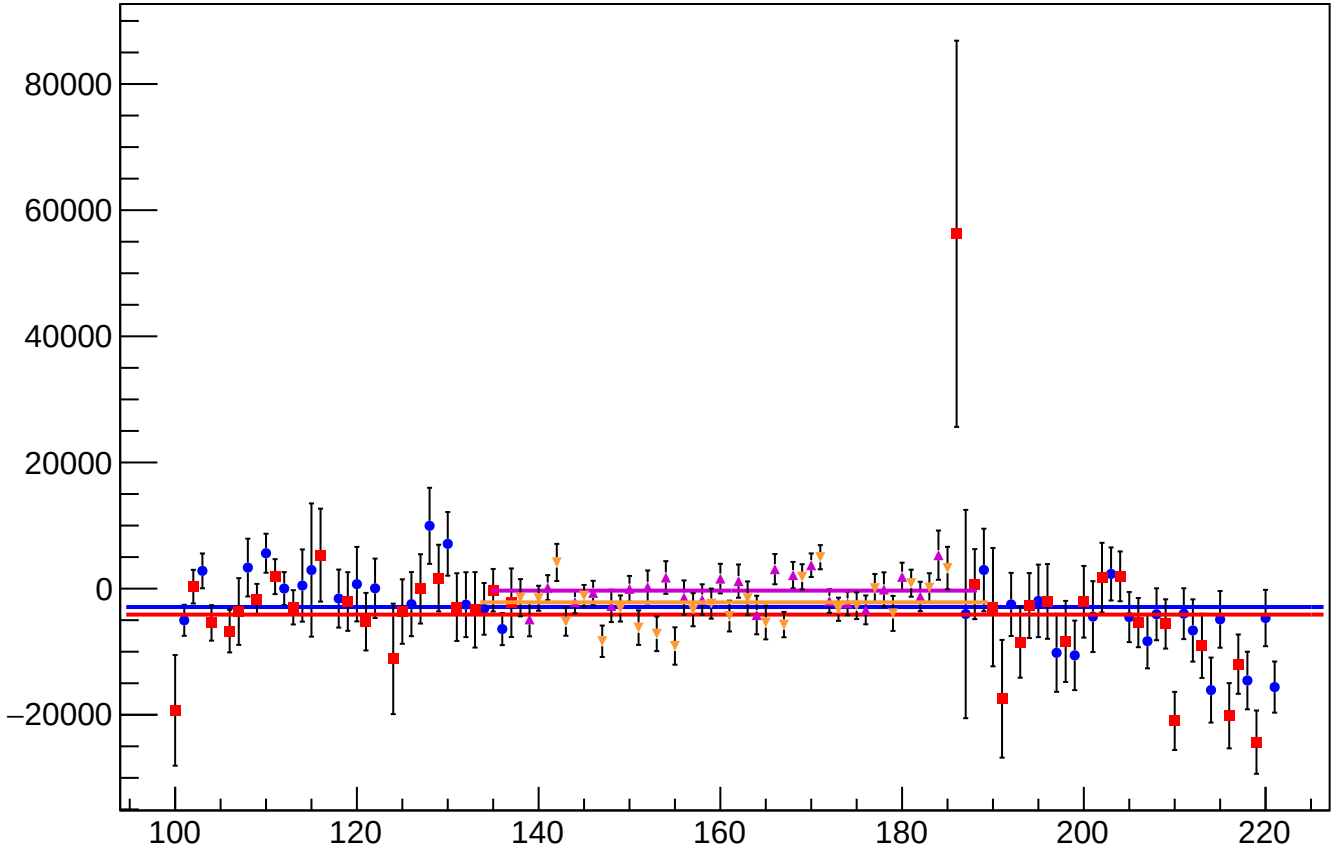
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 269.828+/-0.030 χ^2/NDF: 2461561.8/58

All: 269.844+/-0.022 χ^2/NDF: 5802882.4/118

- sign 269.860+/-0.031 χ^2/NDF: 3341320.0/59

asym_sam4_reg_correction_mean vs Slug



Right In: -2913.642+/-728.675 χ^2/NDF: 59.1/33

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -4115.080+/-726.022 χ^2/NDF: 73.1/36

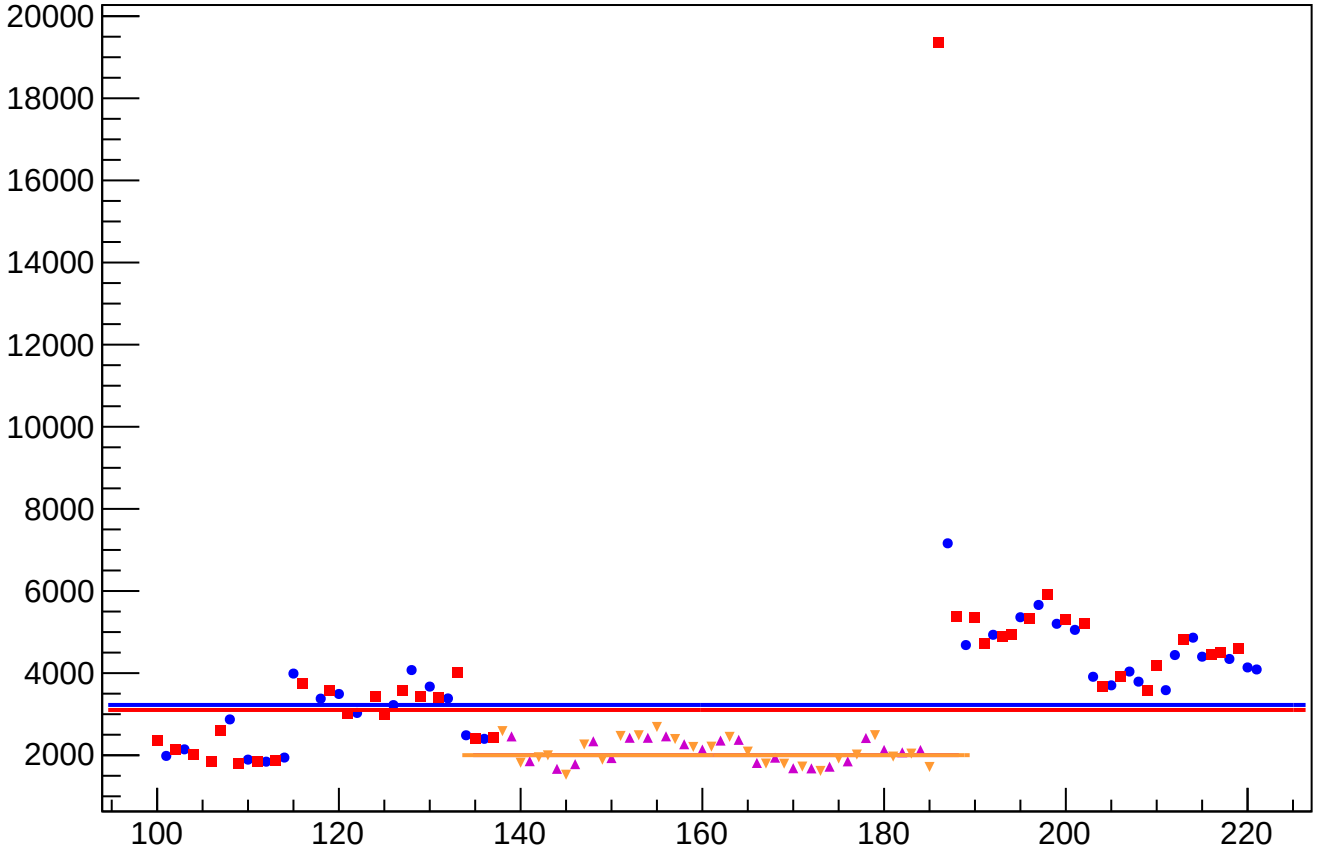
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2384.305+/-389.972 χ^2/NDF: 115.4/58

All: -1925.480+/-278.187 χ^2/NDF: 234.1/118

- sign -1450.086+/-396.951 χ^2/NDF: 116.0/59

asym_sam4_reg_correction_rms vs Slug



Right In: 3225.333+/-0.515 χ^2/NDF: 4678506.1/33

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3102.901+/-0.513 χ^2/NDF: 6266191.2/36

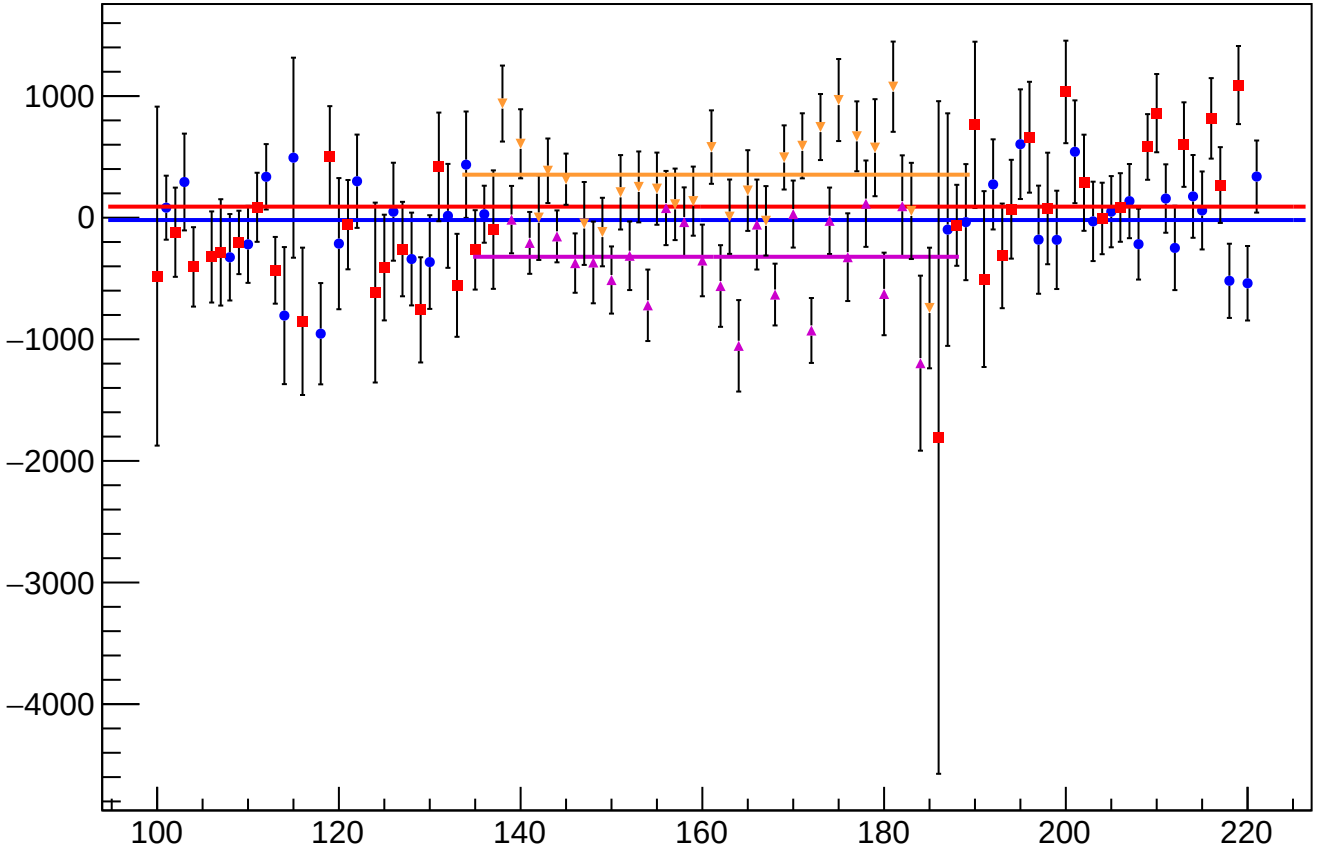
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2352.547+/-0.276 χ^2/NDF: 9592203.5/58

All: 2342.784+/-0.197 χ^2/NDF: 19776673.6/1

- sign 2332.669+/-0.281 χ^2/NDF: 10181917.8/59

cor_asym_sam4_mean vs Slug



Right In: -19.338+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 90.815+/-61.952 χ^2/NDF: 60.5/36

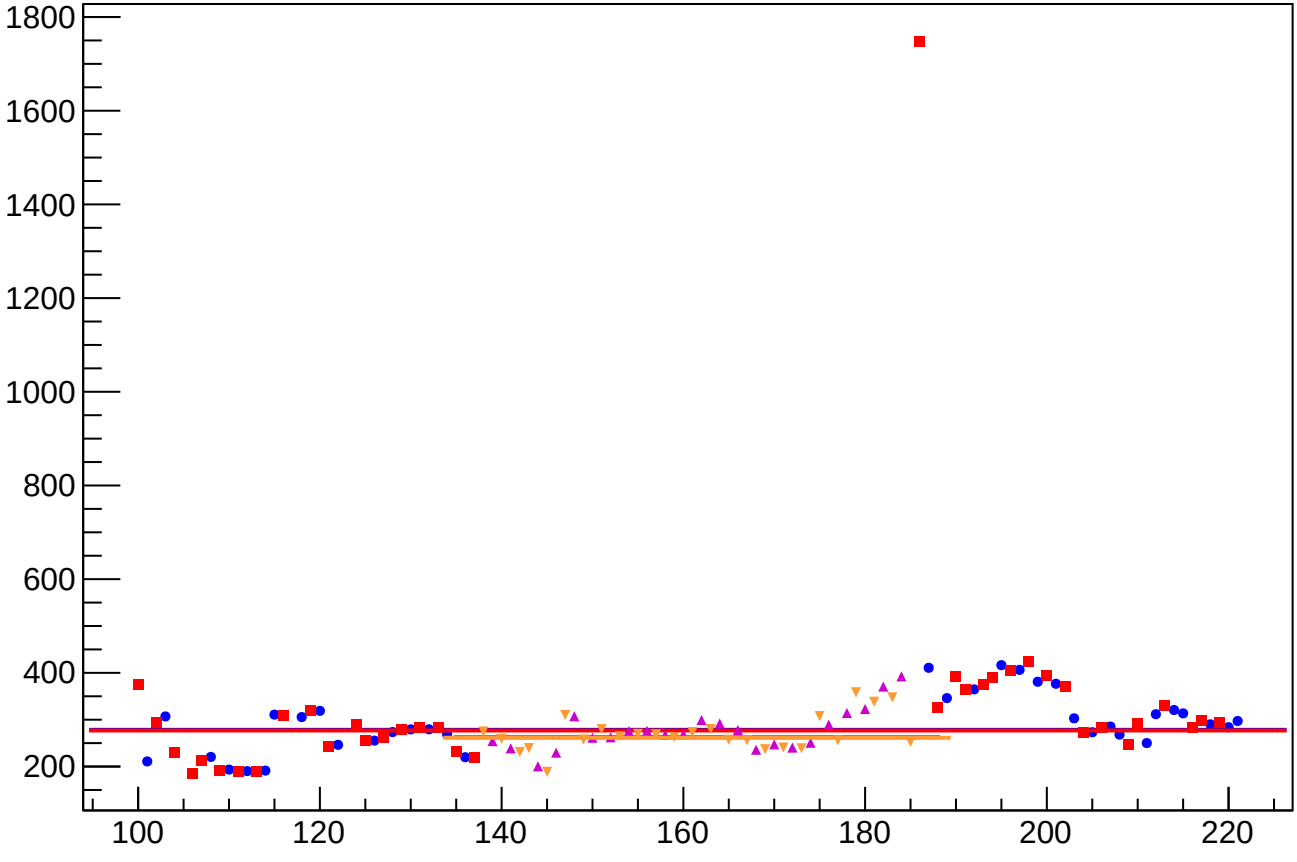
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 168.679+/-42.706 χ^2/NDF: 79.5/58

All: 30.724+/-30.599 χ^2/NDF: 209.8/118

- sign -114.814+/-43.864 χ^2/NDF: 108.8/59

cor_asym_sam4_rms vs Slug



Right In: 278.324+/-0.043 χ^2/NDF: 1668222.2/33

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

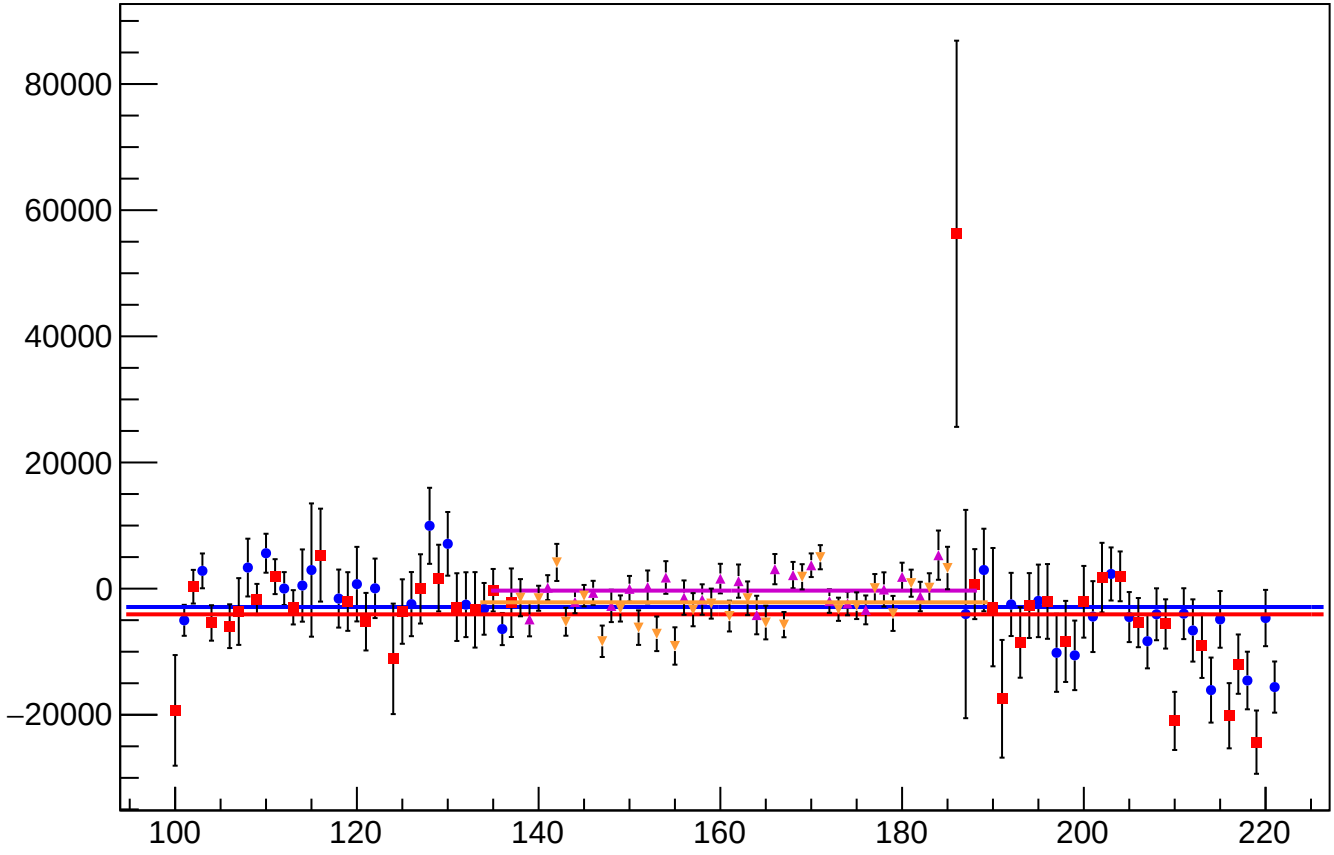
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 269.828+/-0.030 χ^2/NDF: 2461563.3/58

All: 269.830+/-0.022 χ^2/NDF: 5808515.2/118

- sign 269.833+/-0.031 χ^2/NDF: 3346951.8/59

asym_sam4_cor_correction_mean vs Slug



Right In: -2913.764+/-728.679 χ^2/NDF: 59.1/33

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -4075.574+/-726.926 χ^2/NDF: 72.7/36

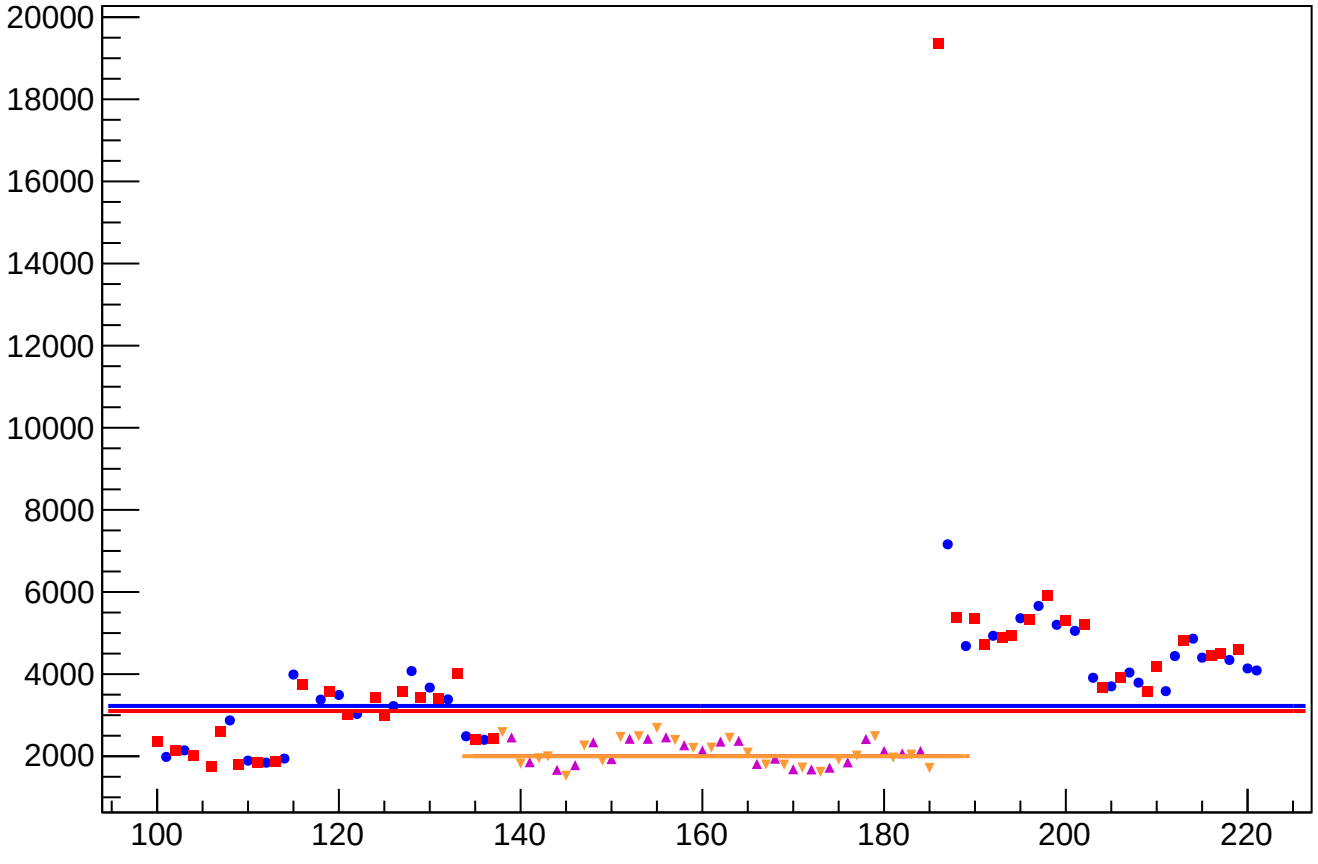
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2384.317+/-389.973 χ^2/NDF: 115.3/58

All: -1918.900+/-278.238 χ^2/NDF: 233.4/118

- sign -1436.319+/-397.099 χ^2/NDF: 115.2/59

asym_sam4_cor_correction_rms vs Slug



Right In: 3225.356+/-0.515 χ^2/NDF: 4678369.8/33

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

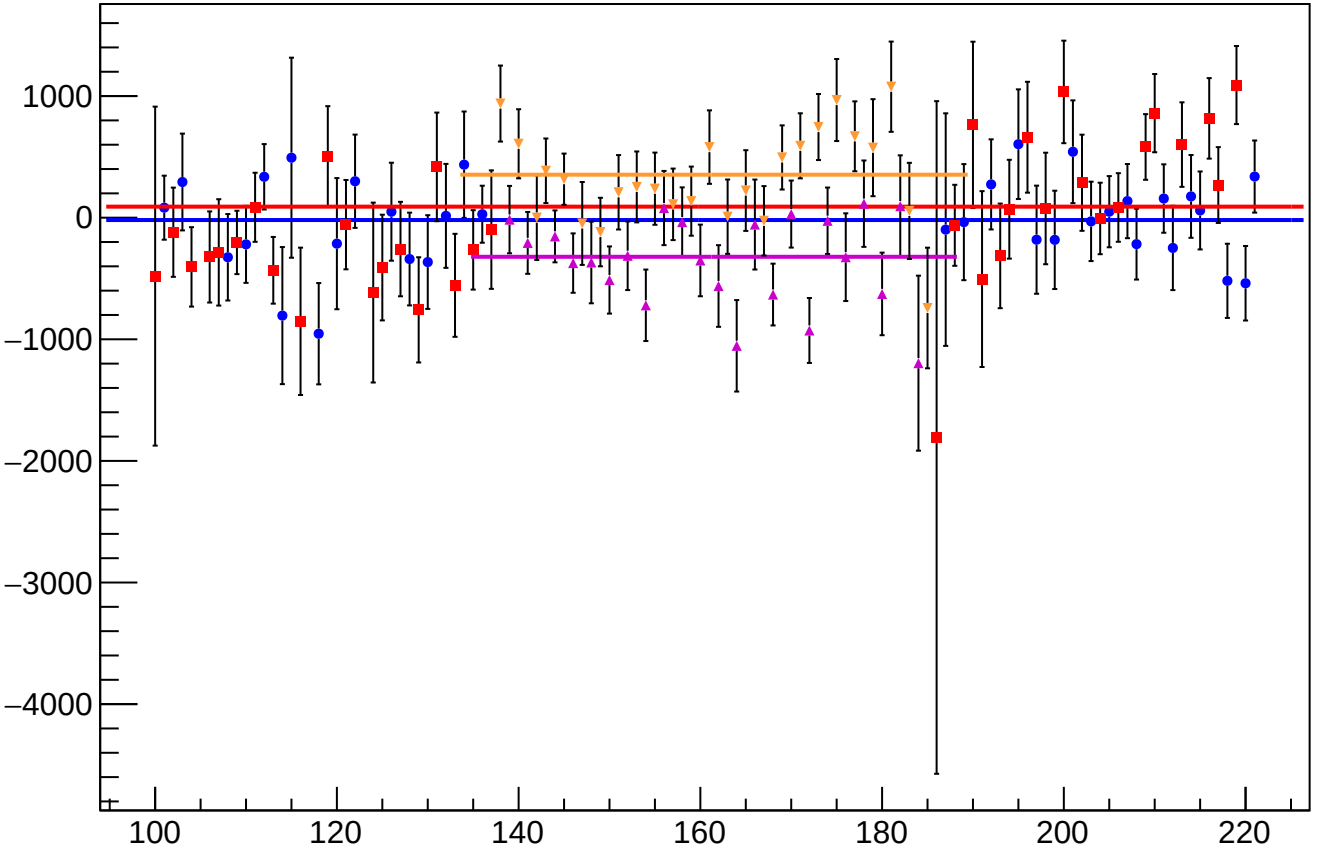
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2352.551+/-0.276 χ^2/NDF: 9592185.6/58

All: 2342.255+/-0.197 χ^2/NDF: 19794530.0/1

- sign 2331.579+/-0.281 χ^2/NDF: 10199504.5/59

eigen_cor_asym_sam4_mean vs Slug



Right In: -19.338+/-60.644 χ^2/NDF: 28.1/33

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 90.815+/-61.952 χ^2/NDF: 60.5/36

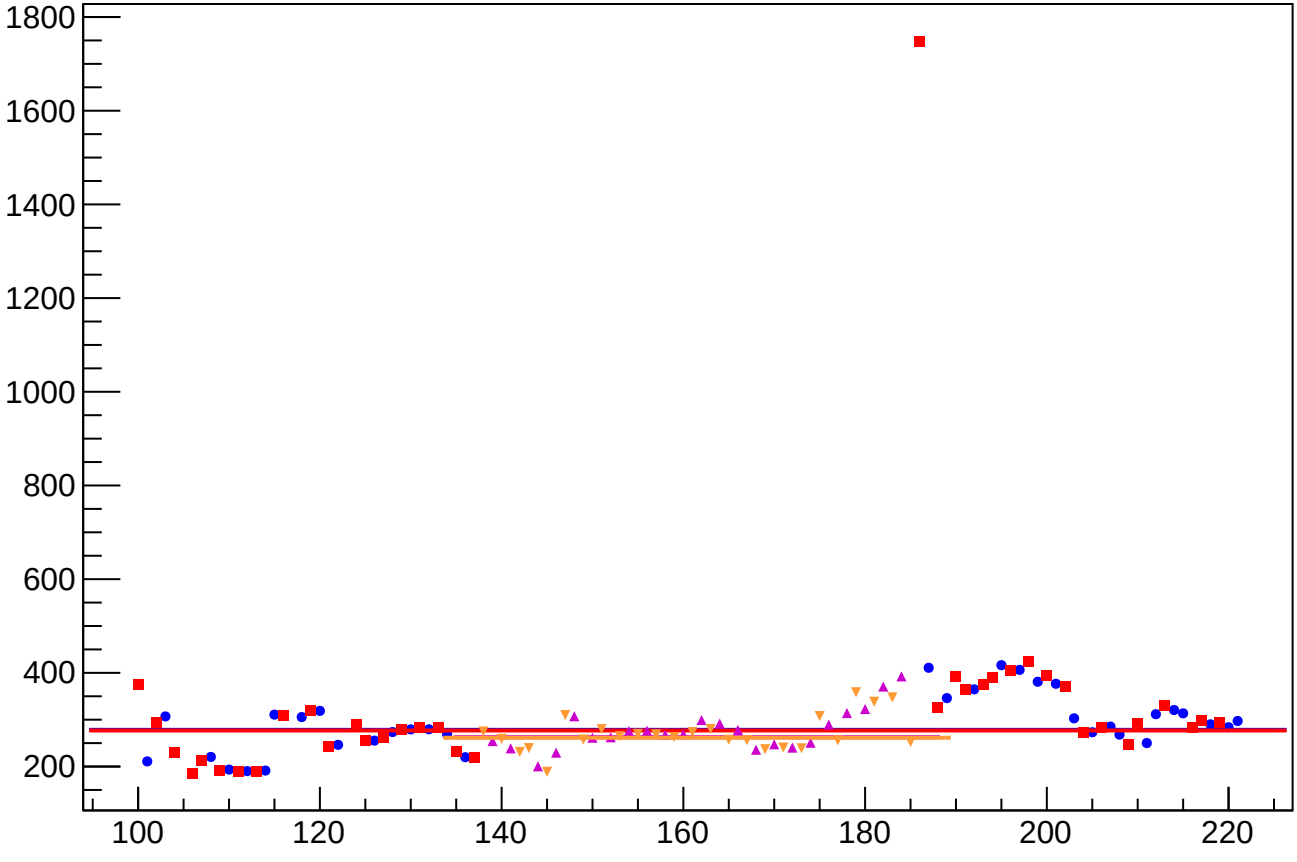
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 168.679+/-42.706 χ^2/NDF: 79.5/58

All: 30.724+/-30.599 χ^2/NDF: 209.8/118

- sign -114.814+/-43.864 χ^2/NDF: 108.8/59

eigen_cor_asym_sam4_rms vs Slug



Right In: 278.324+/-0.043 χ^2/NDF: 1668222.2/33

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

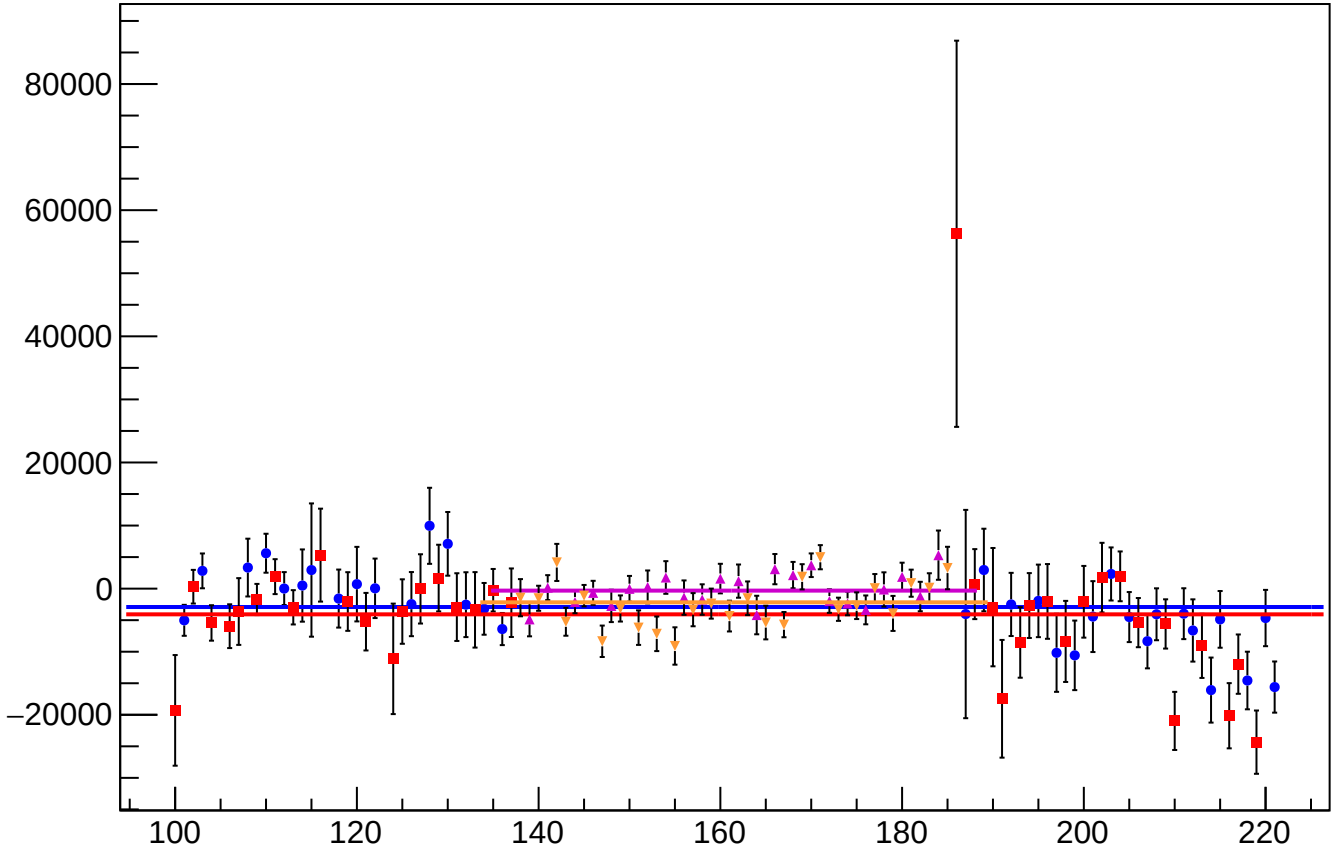
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 269.828+/-0.030 χ^2/NDF: 2461563.3/58

All: 269.830+/-0.022 χ^2/NDF: 5808515.2/118

- sign 269.833+/-0.031 χ^2/NDF: 3346951.8/59

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2913.764+/-728.679 χ^2/NDF: 59.1/33

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -4075.574+/-726.926 χ^2/NDF: 72.7/36

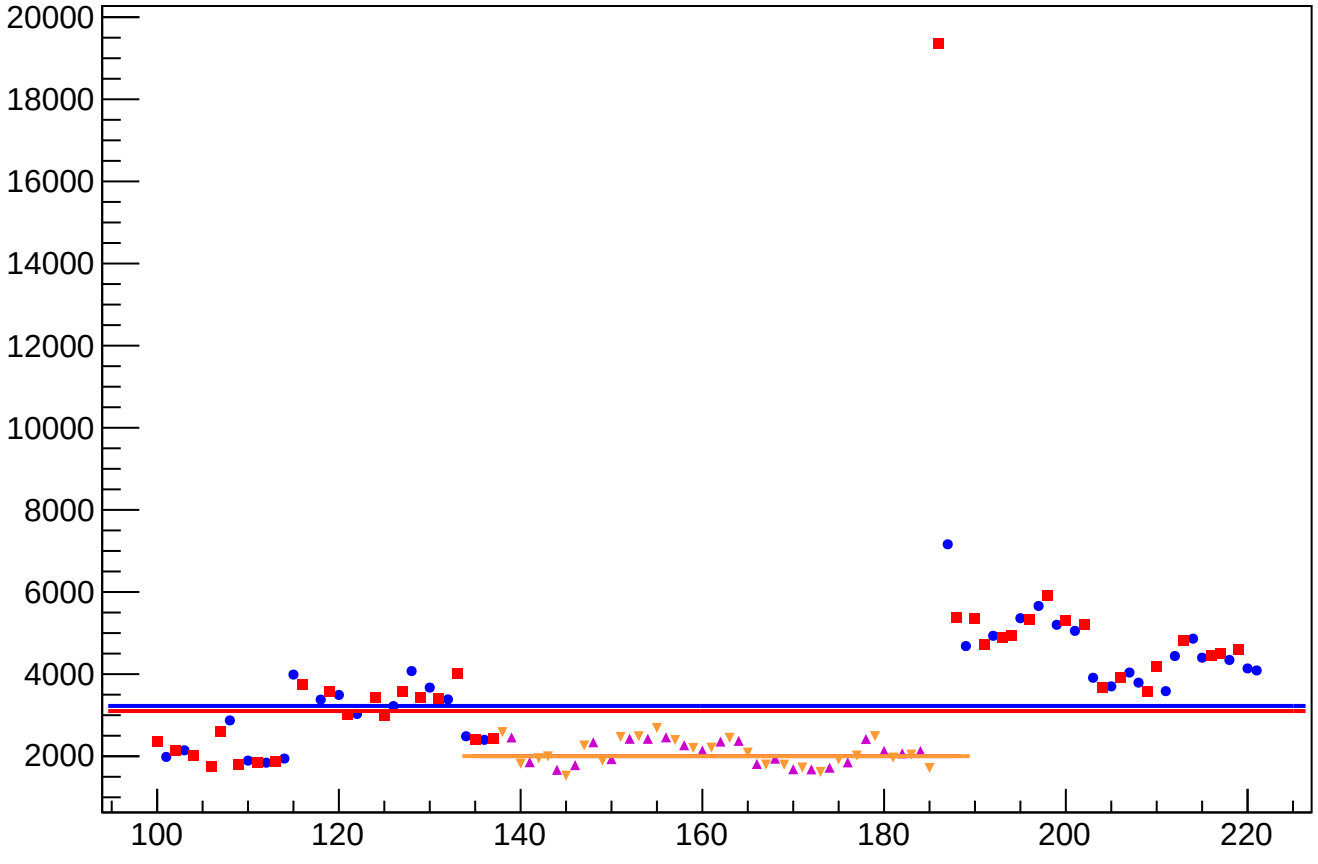
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2384.317+/-389.973 χ^2/NDF: 115.3/58

All: -1918.900+/-278.238 χ^2/NDF: 233.4/118

- sign -1436.319+/-397.099 χ^2/NDF: 115.2/59

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3225.356+/-0.515 χ^2/NDF: 4678369.8/33

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

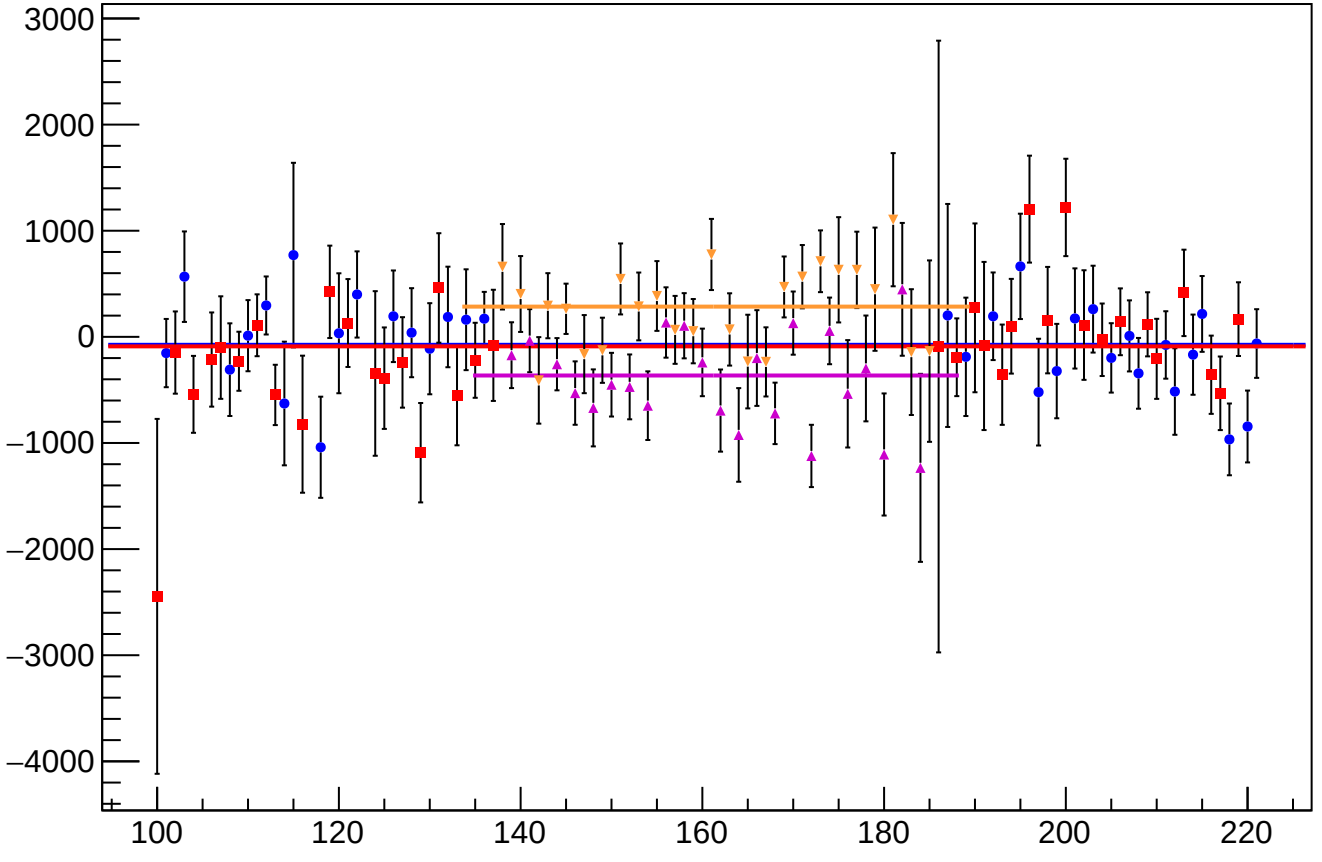
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2352.551+/-0.276 χ^2/NDF: 9592185.6/58

All: 2342.255+/-0.197 χ^2/NDF: 19794530.0/1

- sign 2331.579+/-0.281 χ^2/NDF: 10199504.5/59

dit_asym_sam4_mean vs Slug



Right In: -74.991+/-67.398 χ^2/NDF: 33.5/33

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -89.703+/-68.361 χ^2/NDF: 38.7/36

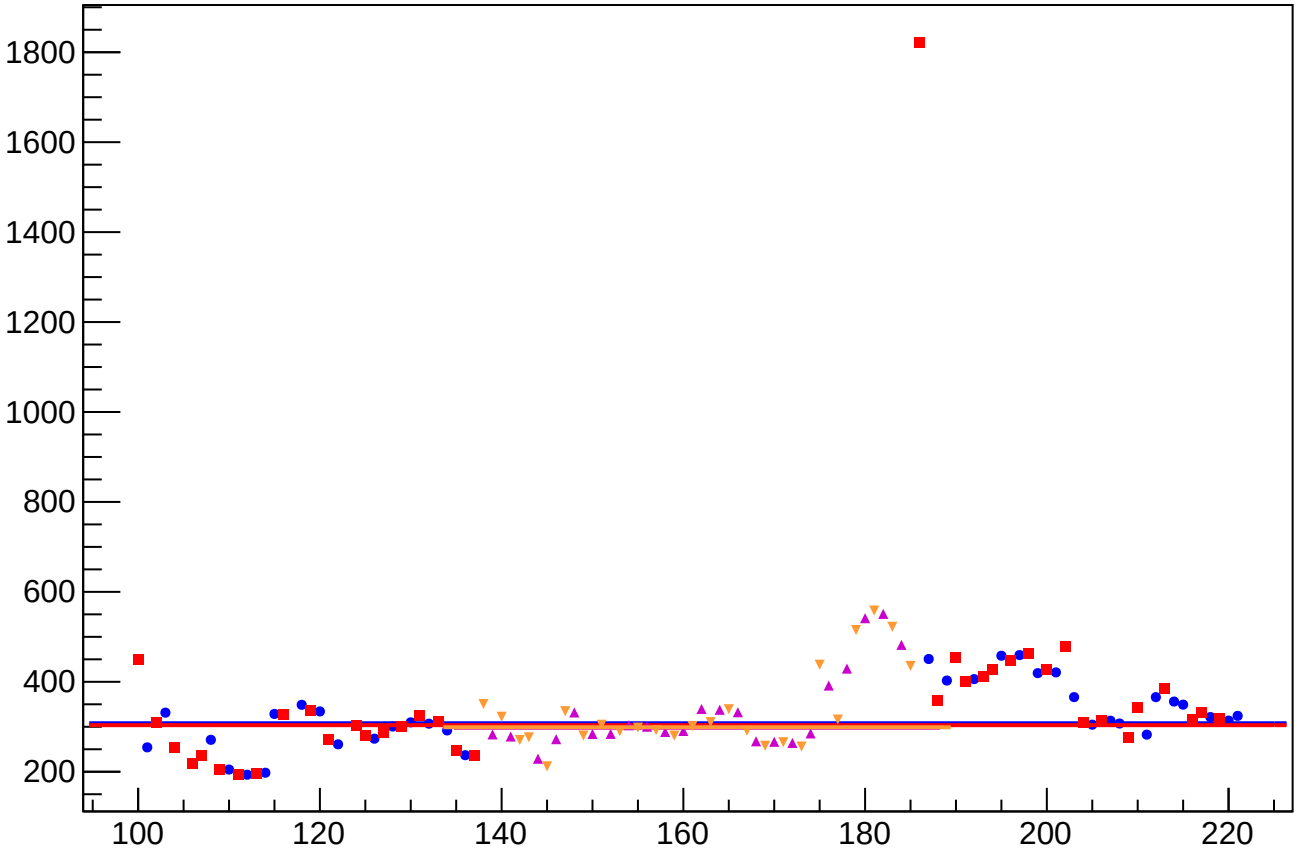
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 98.056+/-48.564 χ^2/NDF: 70.0/58

All: -58.176+/-34.660 χ^2/NDF: 165.7/118

- sign -220.368+/-49.481 χ^2/NDF: 74.5/59

dit_asym_sam4_rms vs Slug



Right In: 307.817+/-0.048 χ^2/NDF: 1882542.6/33

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 303.589+/-0.048 χ^2/NDF: 2955513.3/36

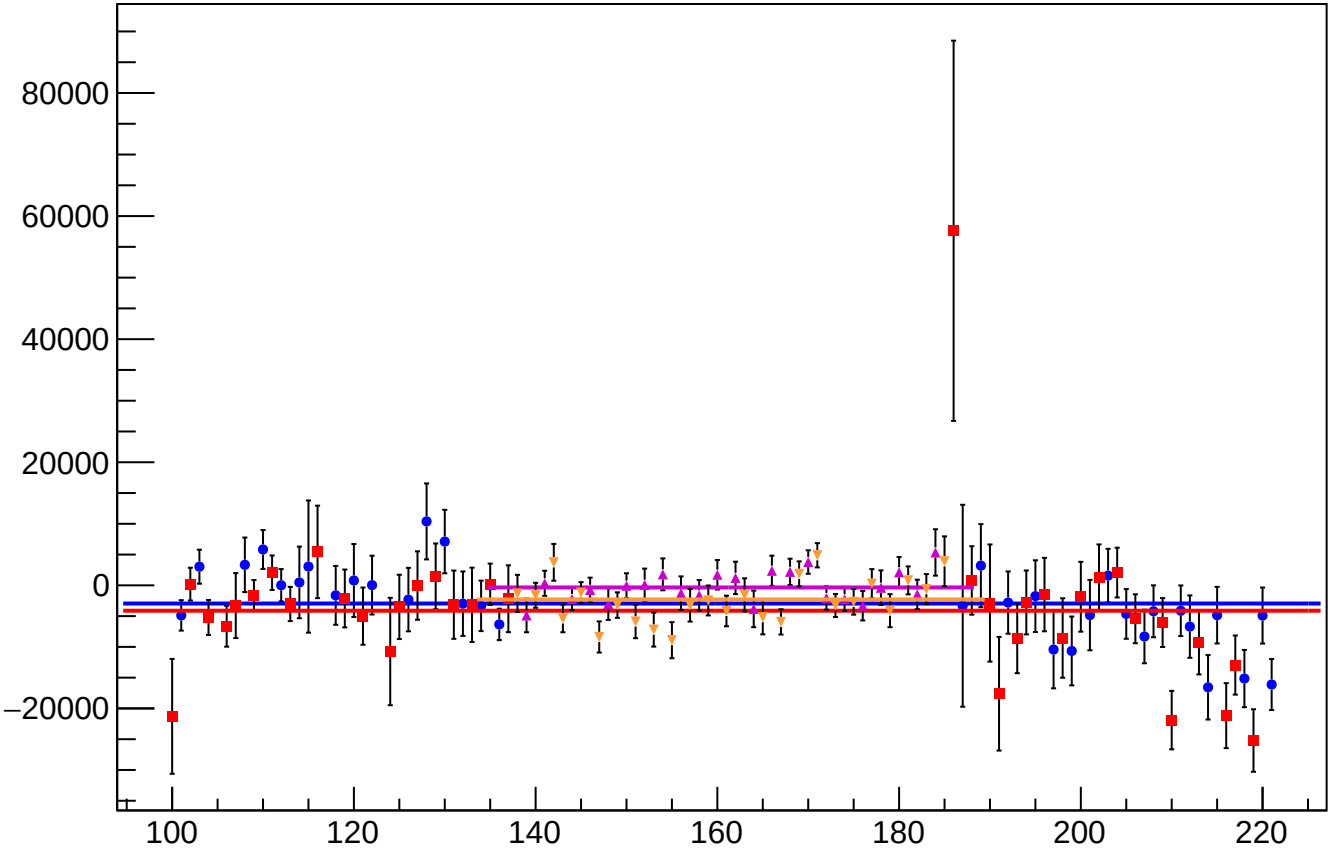
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 303.548+/-0.034 χ^2/NDF: 3512309.1/58

All: 302.236+/-0.025 χ^2/NDF: 7796488.0/118

- sign 300.873+/-0.035 χ^2/NDF: 4281202.8/59

asym_sam4_dit_correction_mean vs Slug



Right In: -2955.850+/-738.036 χ^2/NDF: 60.0/33

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -4121.180+/-733.093 χ^2/NDF: 76.9/36

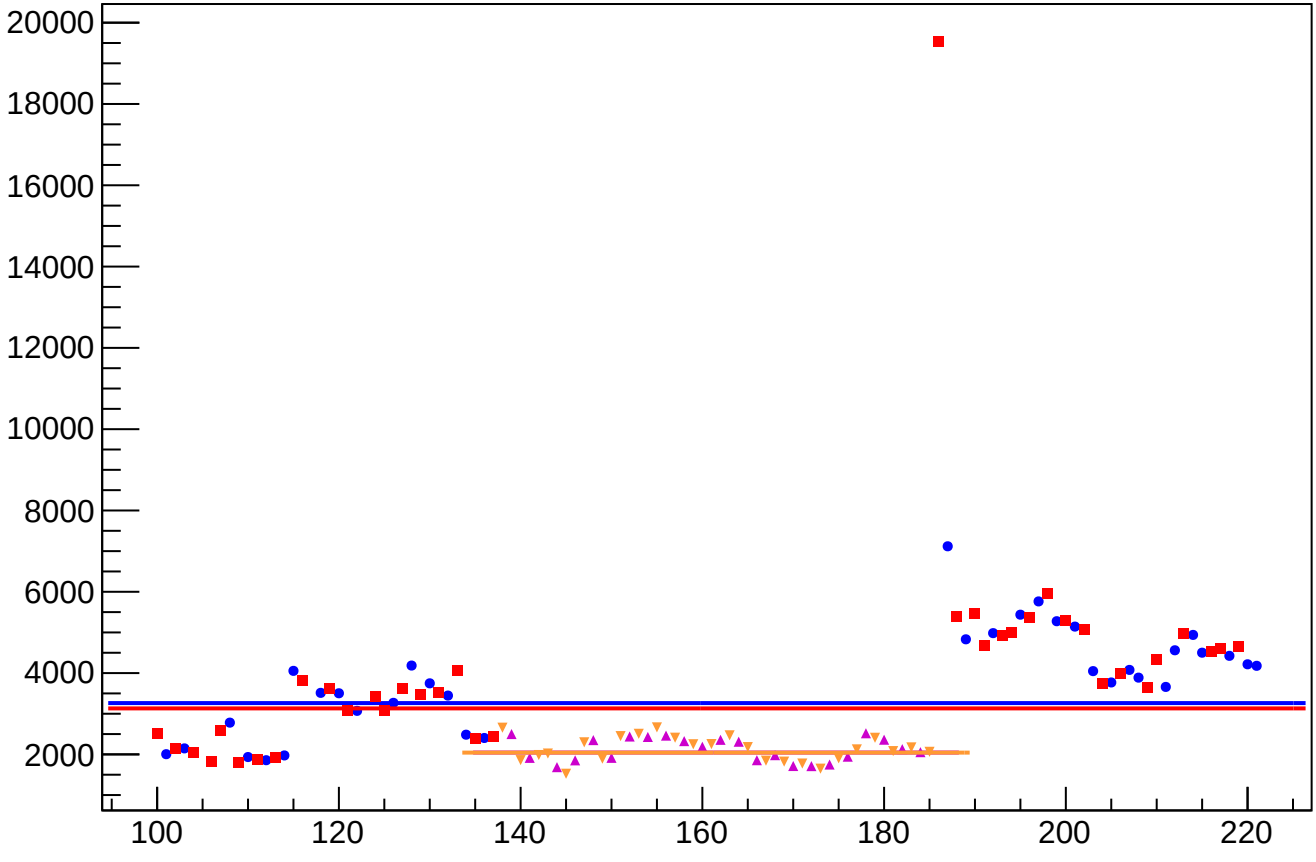
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2483.126+/-396.748 χ^2/NDF: 112.3/58

All: -1994.353+/-282.963 χ^2/NDF: 233.6/118

- sign -1488.350+/-403.681 χ^2/NDF: 118.2/59

asym_sam4_dit_correction_rms vs Slug



Right In: 3262.103+/-0.522 χ^2/NDF: 4818828.8/33

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3131.322+/-0.518 χ^2/NDF: 6323659.8/36

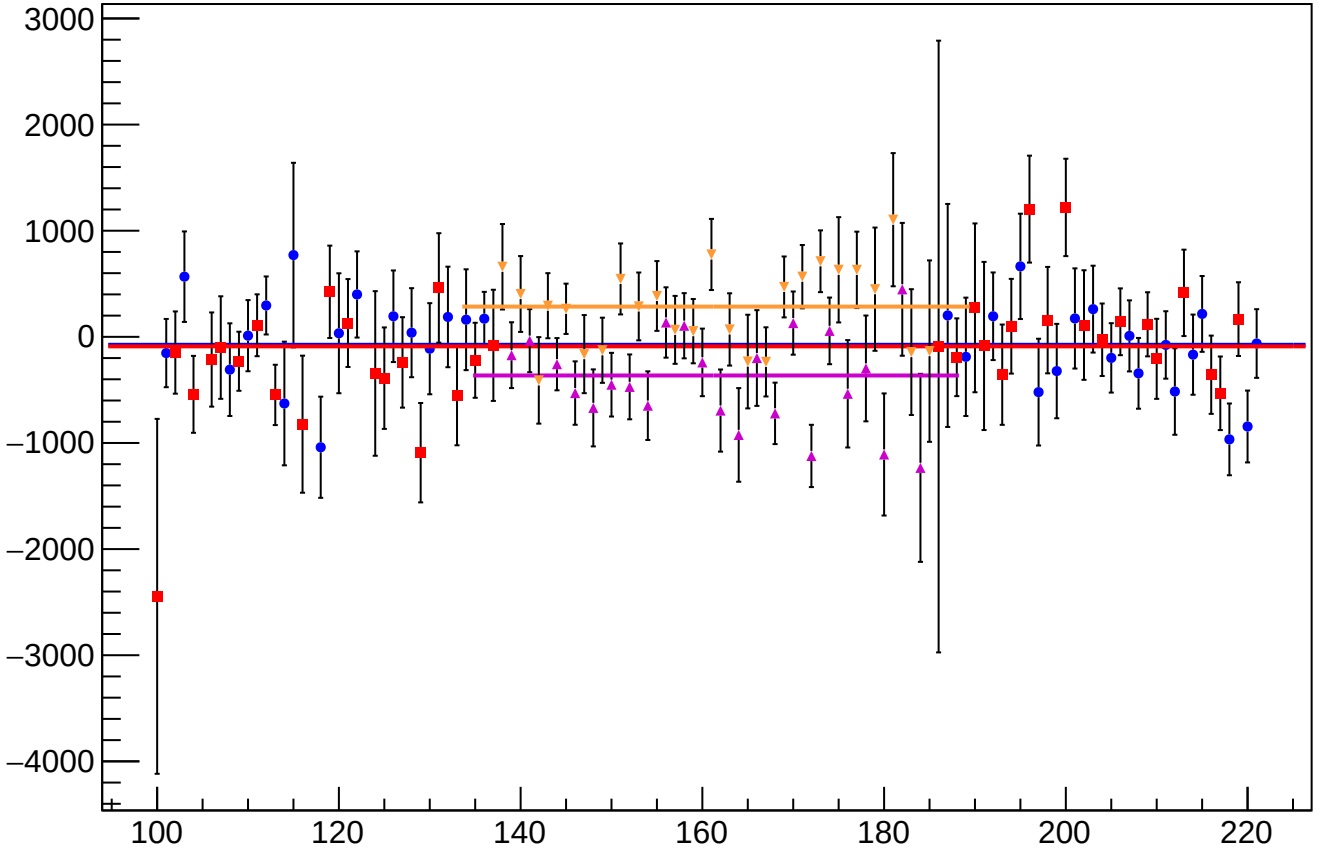
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2395.833+/-0.281 χ^2/NDF: 9547504.9/58

All: 2385.361+/-0.200 χ^2/NDF: 19623236.1/1

- sign 2374.519+/-0.285 χ^2/NDF: 10072895.2/59

eigen_dit_asym_sam4_mean vs Slug



Right In: -74.983+/-67.398 χ^2/NDF: 33.5/33

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -89.696+/-68.361 χ^2/NDF: 38.7/36

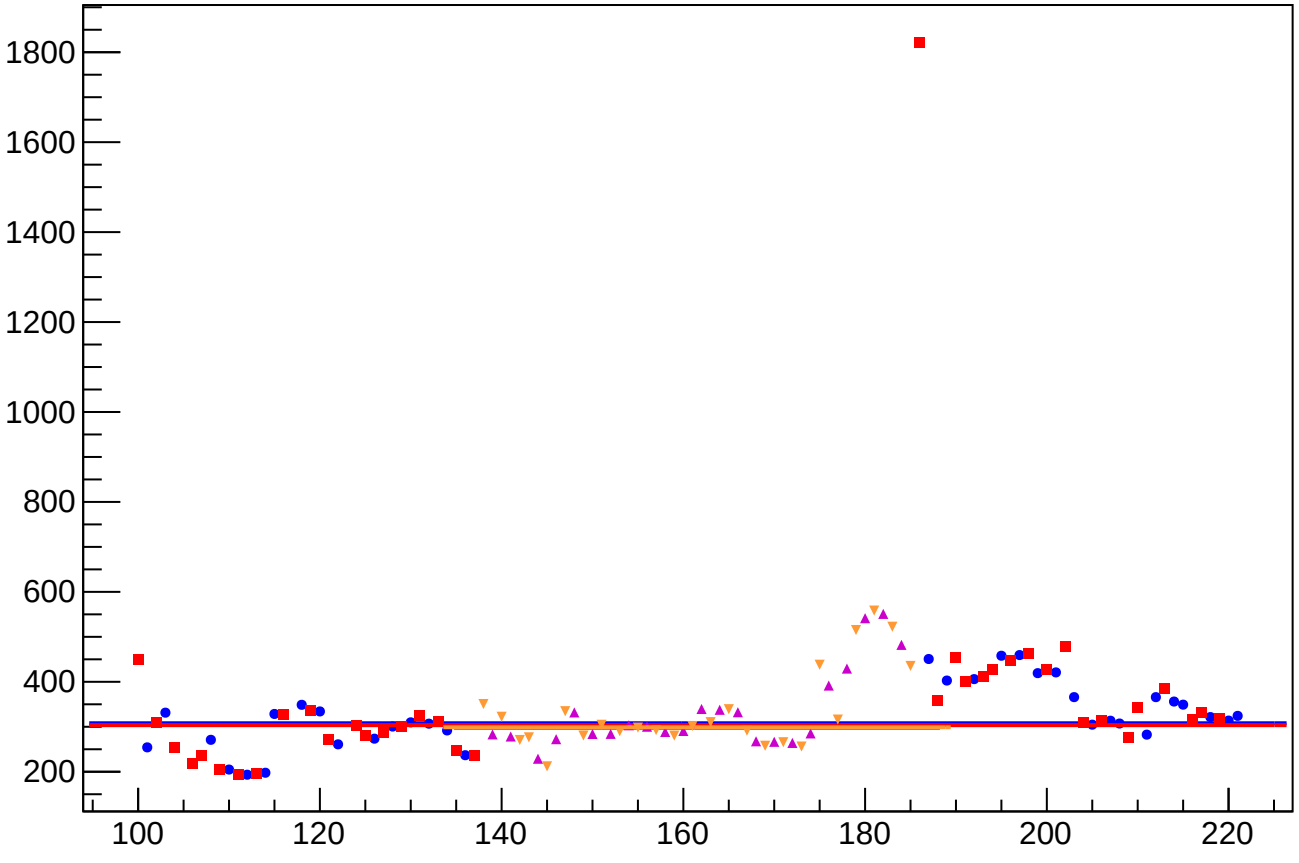
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 98.061+/-48.564 χ^2/NDF: 70.0/58

All: -58.171+/-34.660 χ^2/NDF: 165.7/118

- sign -220.365+/-49.481 χ^2/NDF: 74.6/59

eigen_dit_asym_sam4_rms vs Slug



Right In: 307.817+/-0.048 χ^2/NDF: 1882520.8/33

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 303.588+/-0.048 χ^2/NDF: 2955514.0/36

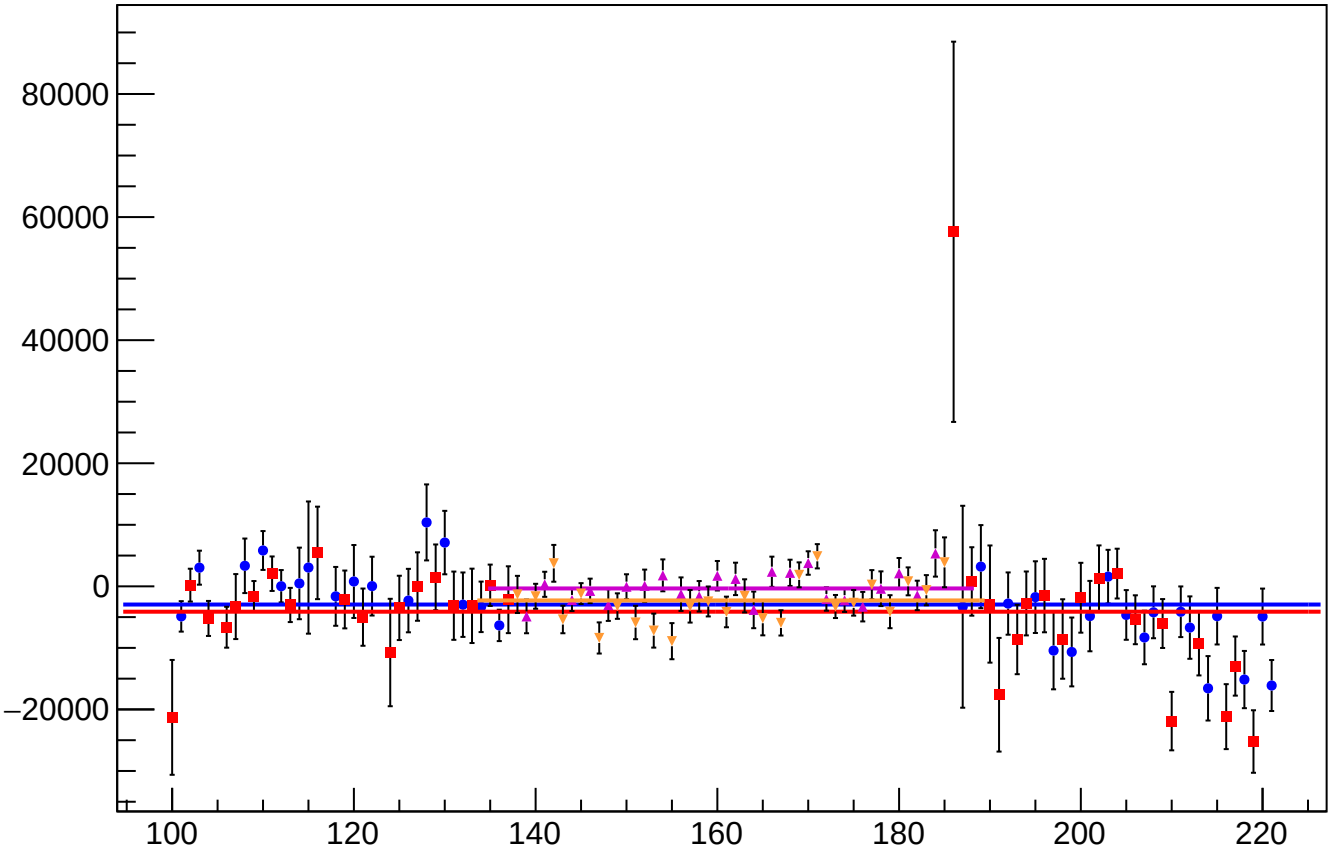
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 303.548+/-0.034 χ^2/NDF: 3512282.4/58

All: 302.236+/-0.025 χ^2/NDF: 7796442.7/118

- sign 300.873+/-0.035 χ^2/NDF: 4281184.4/59

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2955.848+/-738.035 χ^2/NDF: 60.0/33

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -4121.175+/-733.092 χ^2/NDF: 76.9/36

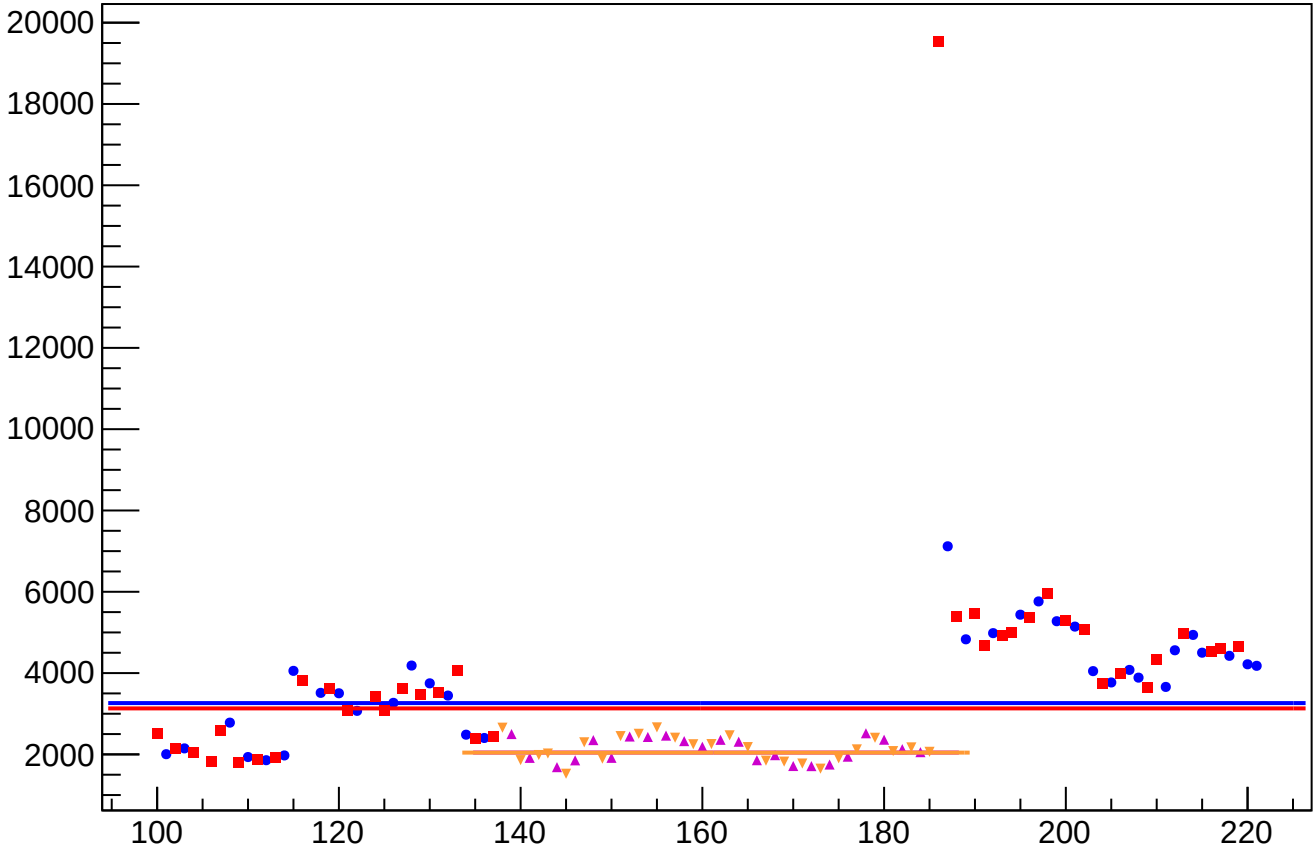
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2483.121+/-396.748 χ^2/NDF: 112.3/58

All: -1994.349+/-282.962 χ^2/NDF: 233.6/118

- sign -1488.345+/-403.681 χ^2/NDF: 118.2/59

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3262.101+/-0.522 χ^2/NDF: 4818823.3/33

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3131.319+/-0.518 χ^2/NDF: 6323654.8/36

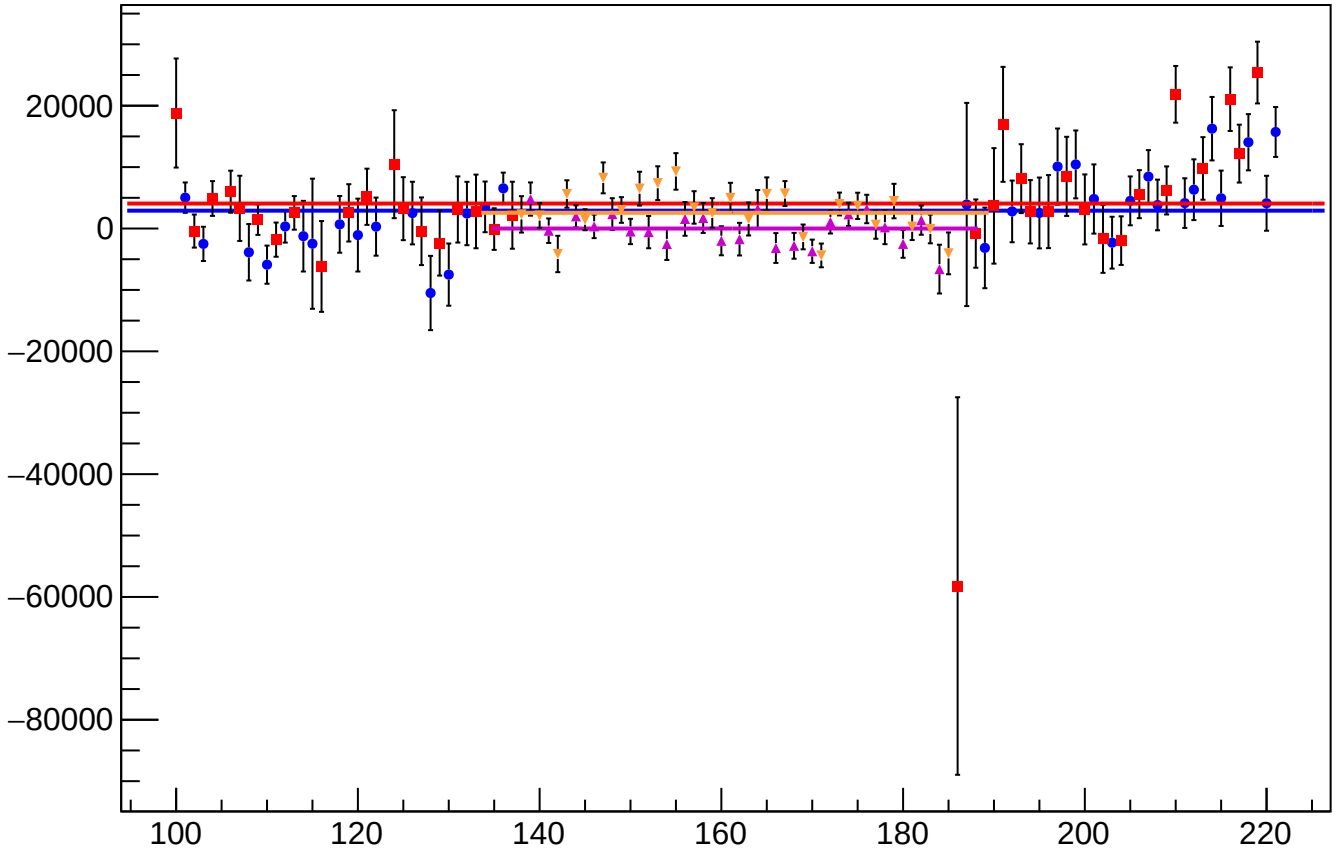
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2395.830+/-0.281 χ^2/NDF: 9547513.7/58

All: 2385.358+/-0.200 χ^2/NDF: 19623247.4/1

- sign 2374.516+/-0.285 χ^2/NDF: 10072897.9/59

asym_sam4_mean vs Slug



Right In: 2908.996+/-731.881 χ^2/NDF: 59.5/33

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 4066.026+/-729.621 χ^2/NDF: 78.0/36

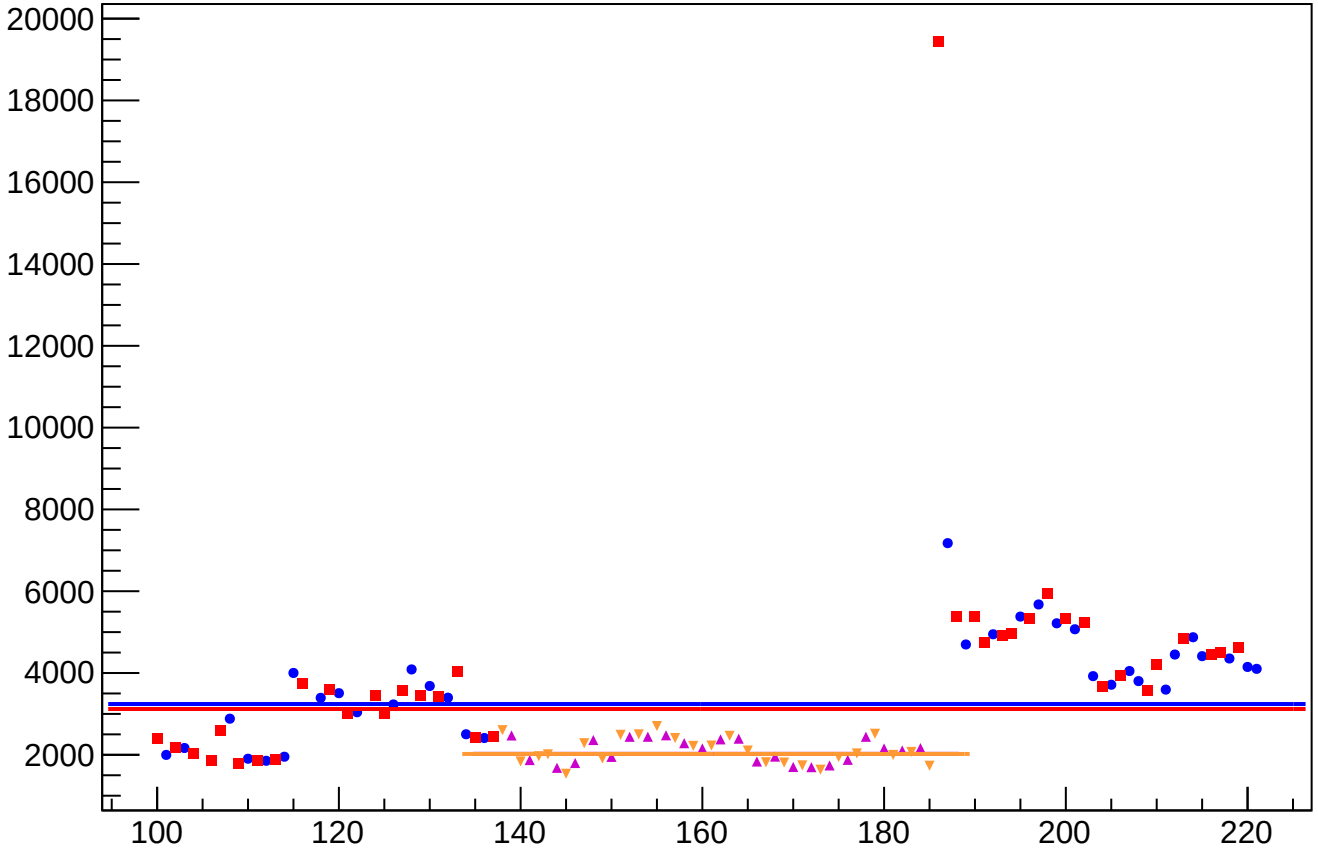
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2659.978+/-393.050 χ^2/NDF: 112.4/58

All: 1953.082+/-280.400 χ^2/NDF: 243.3/118

- sign 1220.469+/-400.136 χ^2/NDF: 124.4/59

asym_sam4_rms vs Slug



Right In: 3241.334+/-0.518 χ^2/NDF: 4636042.4/33

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3120.108+/-0.516 χ^2/NDF: 6215771.5/36

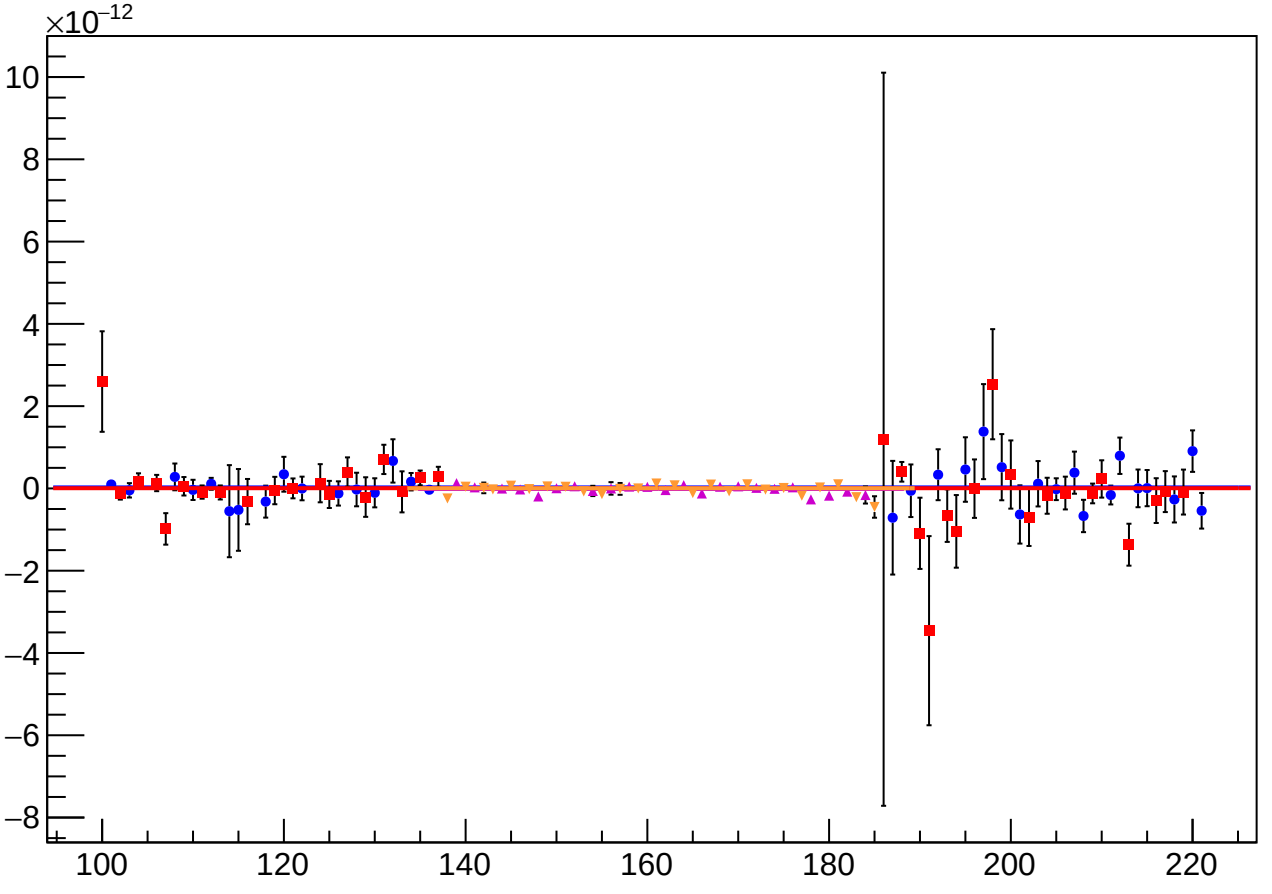
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2373.149+/-0.278 χ^2/NDF: 9472398.3/58

All: 2363.335+/-0.198 χ^2/NDF: 19547117.4/1

- sign 2353.165+/-0.283 χ^2/NDF: 10072180.1/59

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

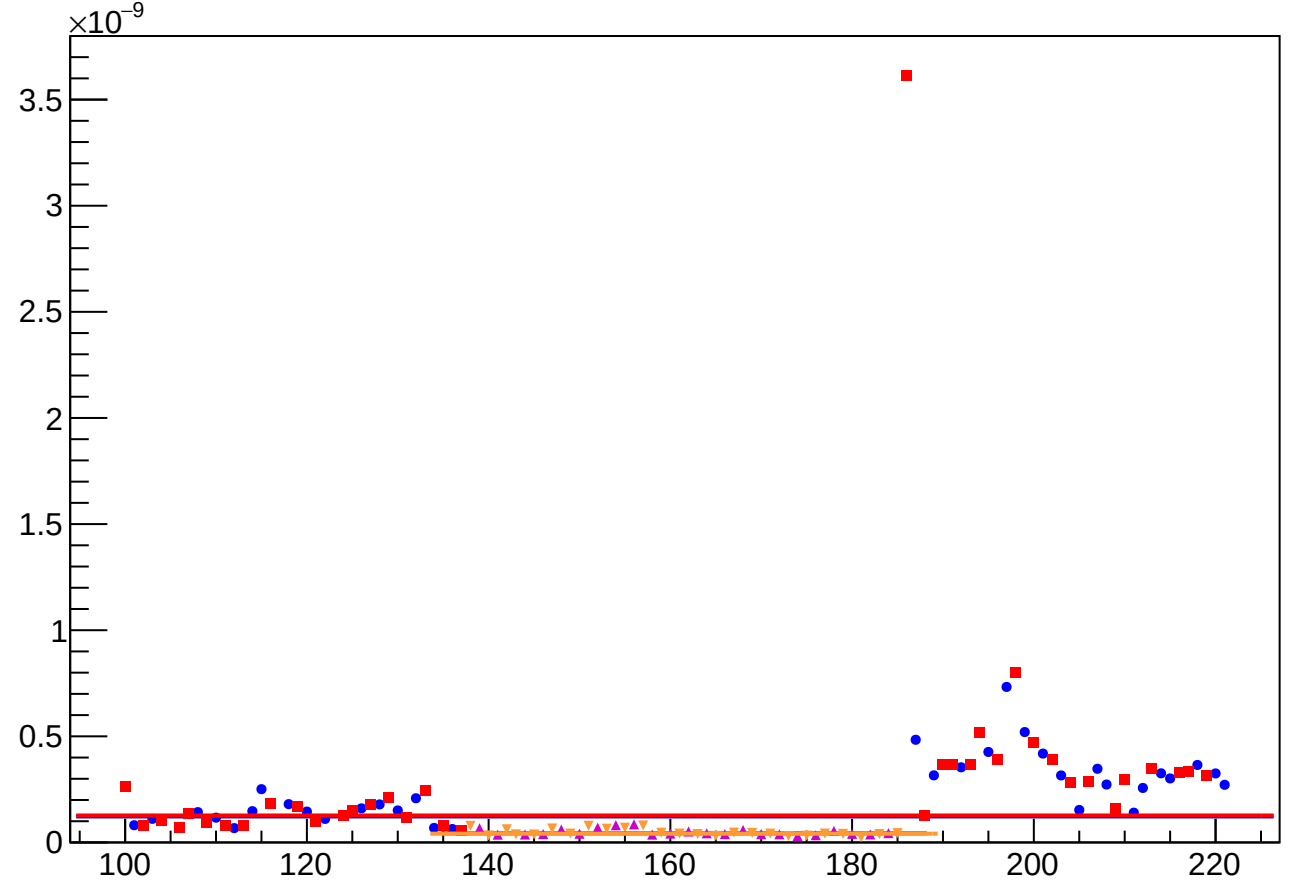
Right Out: 0.000+/-0.000 χ^2/NDF: 45.7/36

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/58

All: -0.000+/-0.000 χ^2/NDF: 121.5/118

- sign -0.000+/-0.000 χ^2/NDF: 66.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 6776854.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6155754.5/36

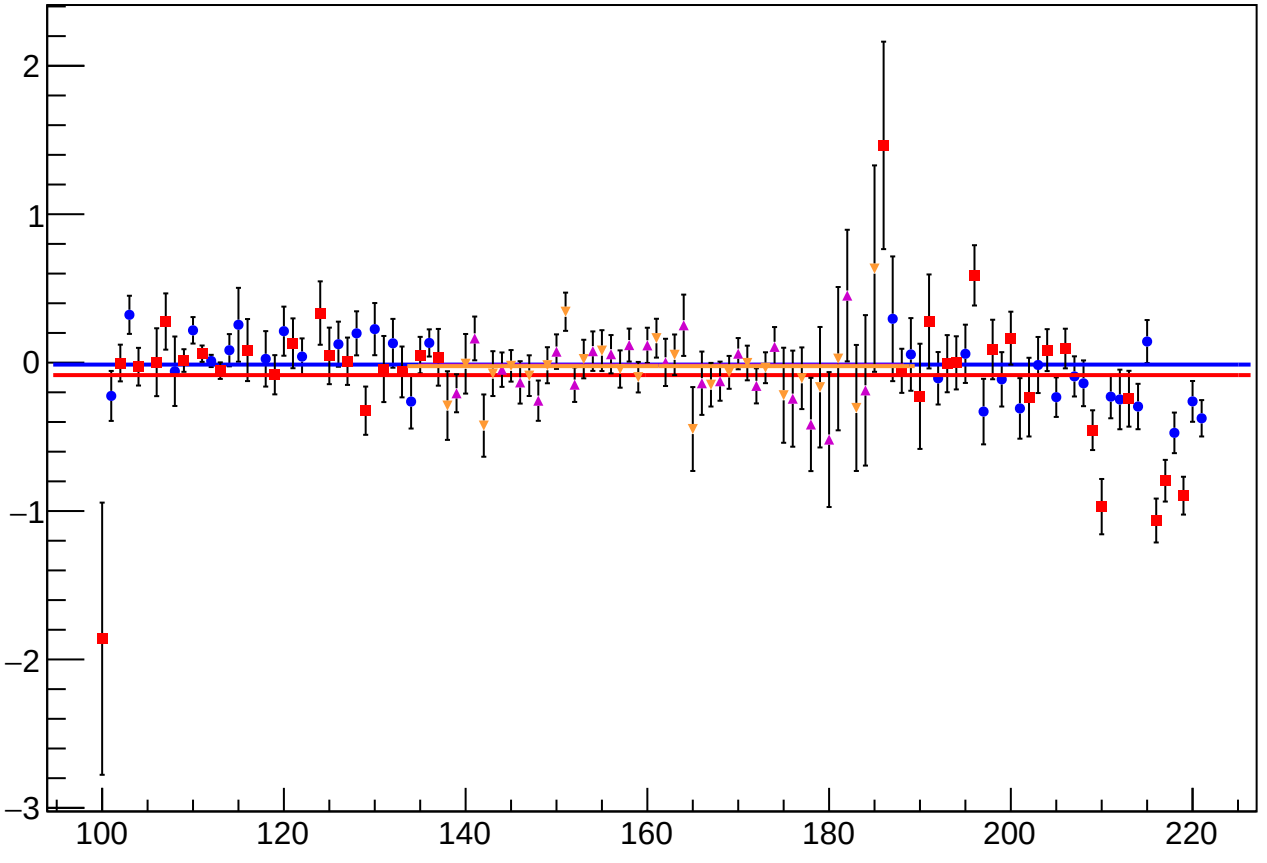
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13323480.9/58

All: 0.000+/-0.000 χ^2/NDF: 25479608.1/118

- sign 0.000+/-0.000 χ^2/NDF: 12138446.2/59

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.9/36

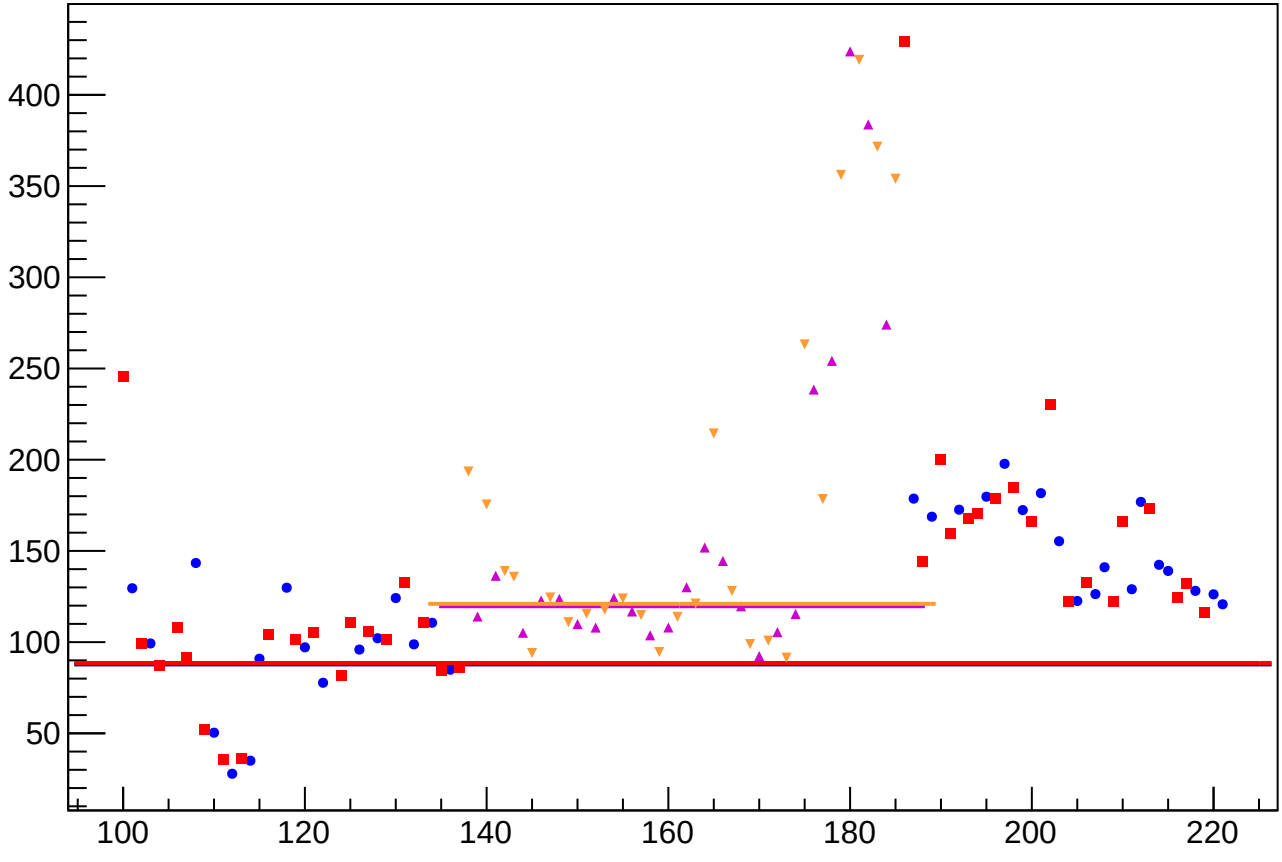
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.039+/-0.013 χ^2/NDF: 314.2/118

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 87.775+/-0.016 χ^2/NDF: 10477988.0/33

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

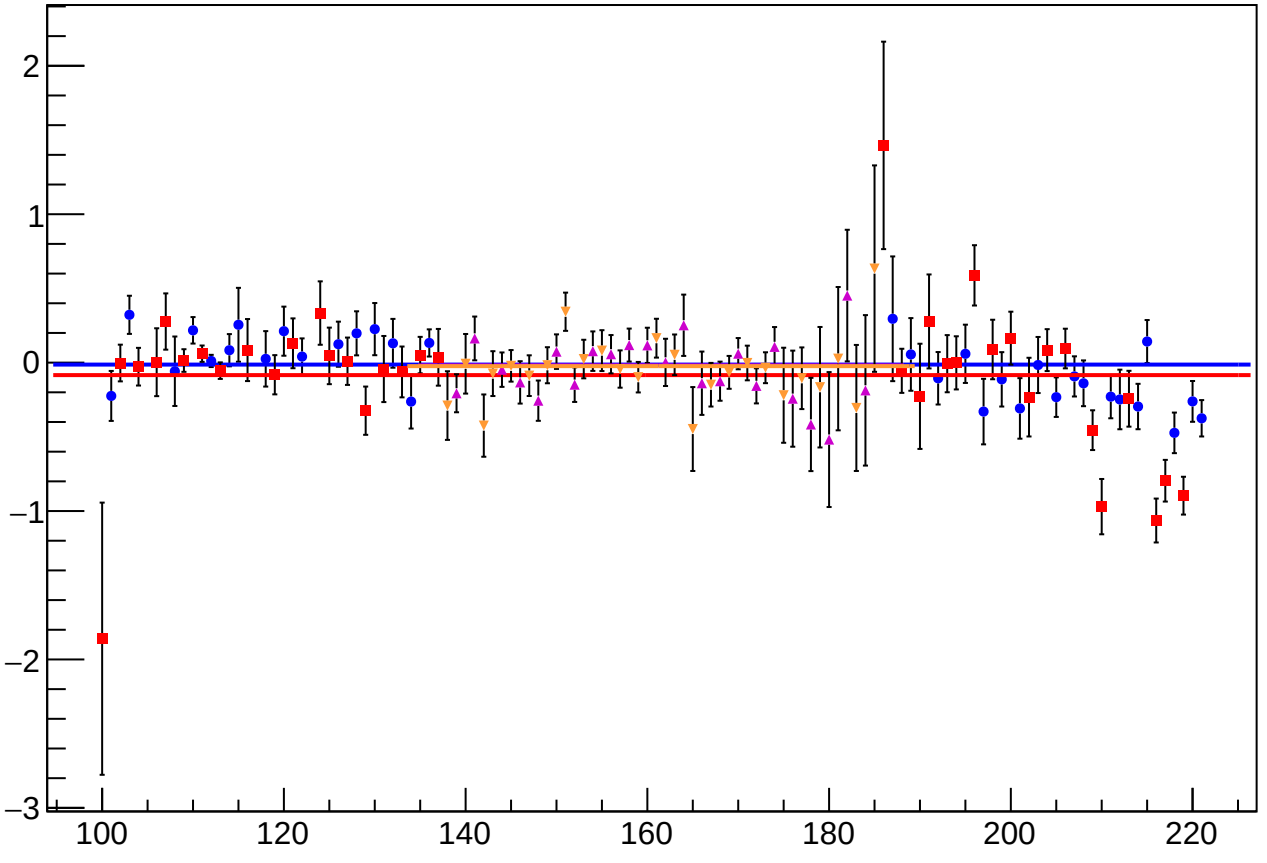
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 99.534+/-0.013 χ^2/NDF: 16168386.0/58

All: 99.580+/-0.009 χ^2/NDF: 29993725.8/118

- sign 99.628+/-0.013 χ^2/NDF: 13825312.1/59

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.9/36

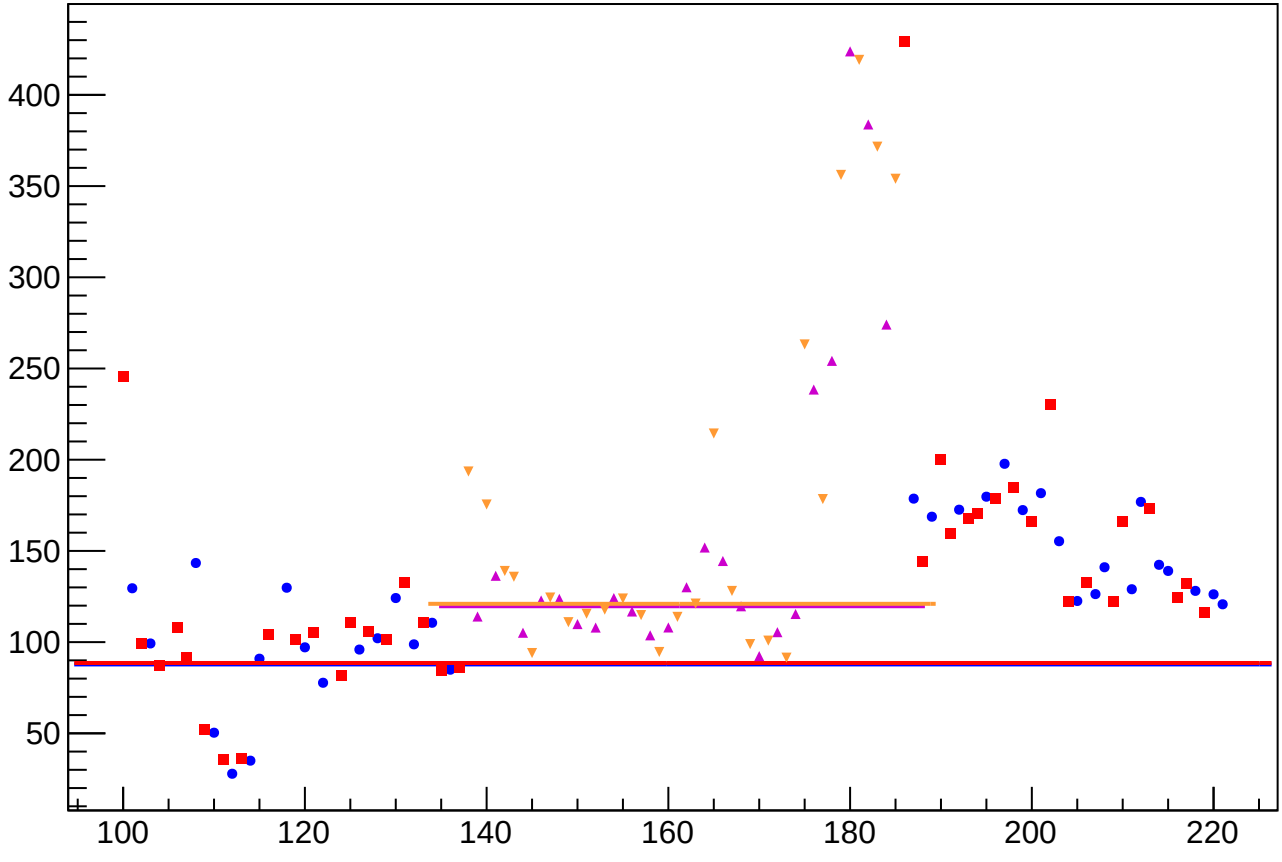
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.039+/-0.013 χ^2/NDF: 314.2/118

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 87.775+/-0.016 χ^2/NDF: 10477988.0/33

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

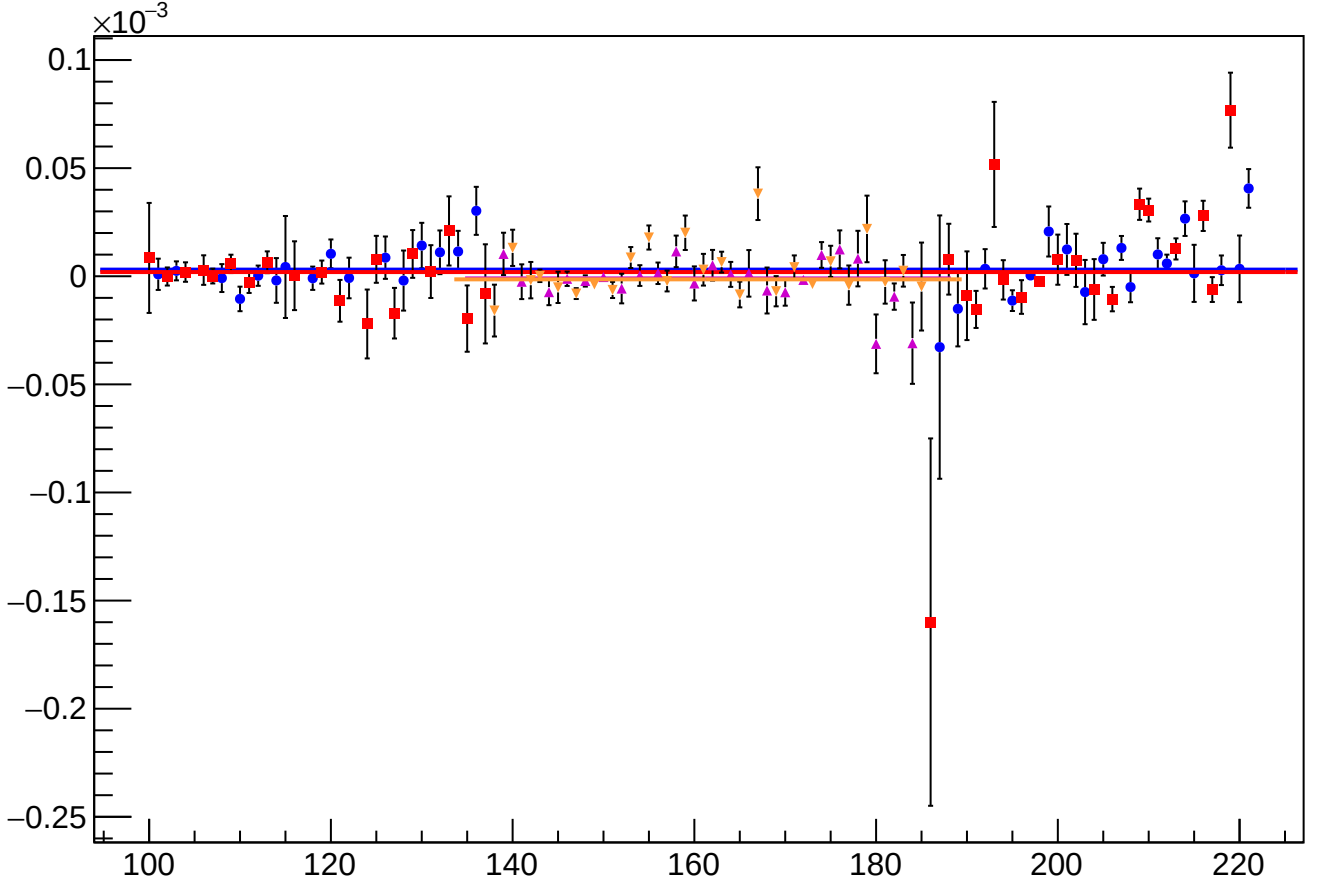
Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 99.534+/-0.013 χ^2/NDF: 16168386.0/58

All: 99.580+/-0.009 χ^2/NDF: 29993725.8/118

- sign 99.628+/-0.013 χ^2/NDF: 13825312.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 65.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 127.2/36

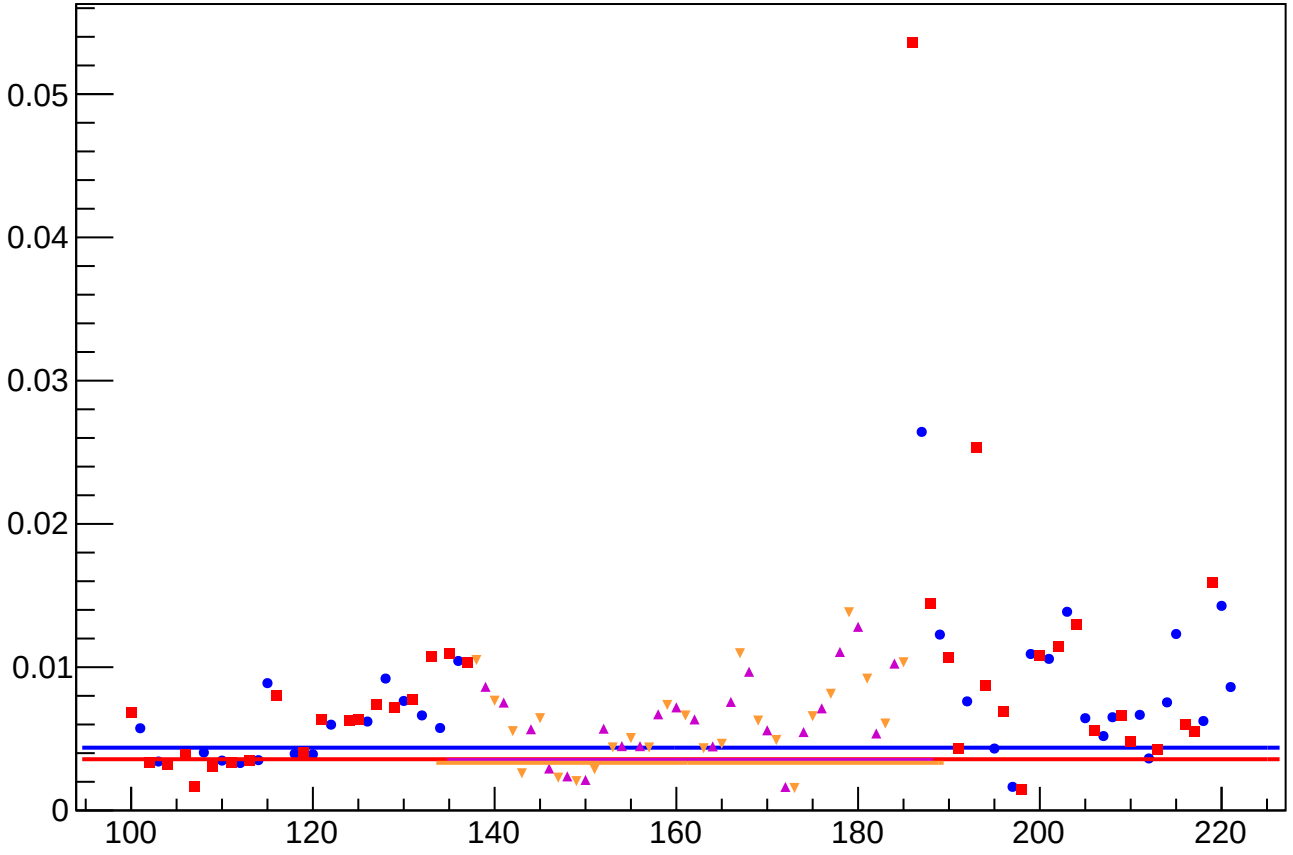
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 136.0/58

All: 0.000+/-0.000 χ^2/NDF: 292.1/118

- sign 0.000+/-0.000 χ^2/NDF: 156.1/59

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 10923232.5/33

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 14817881.3/36

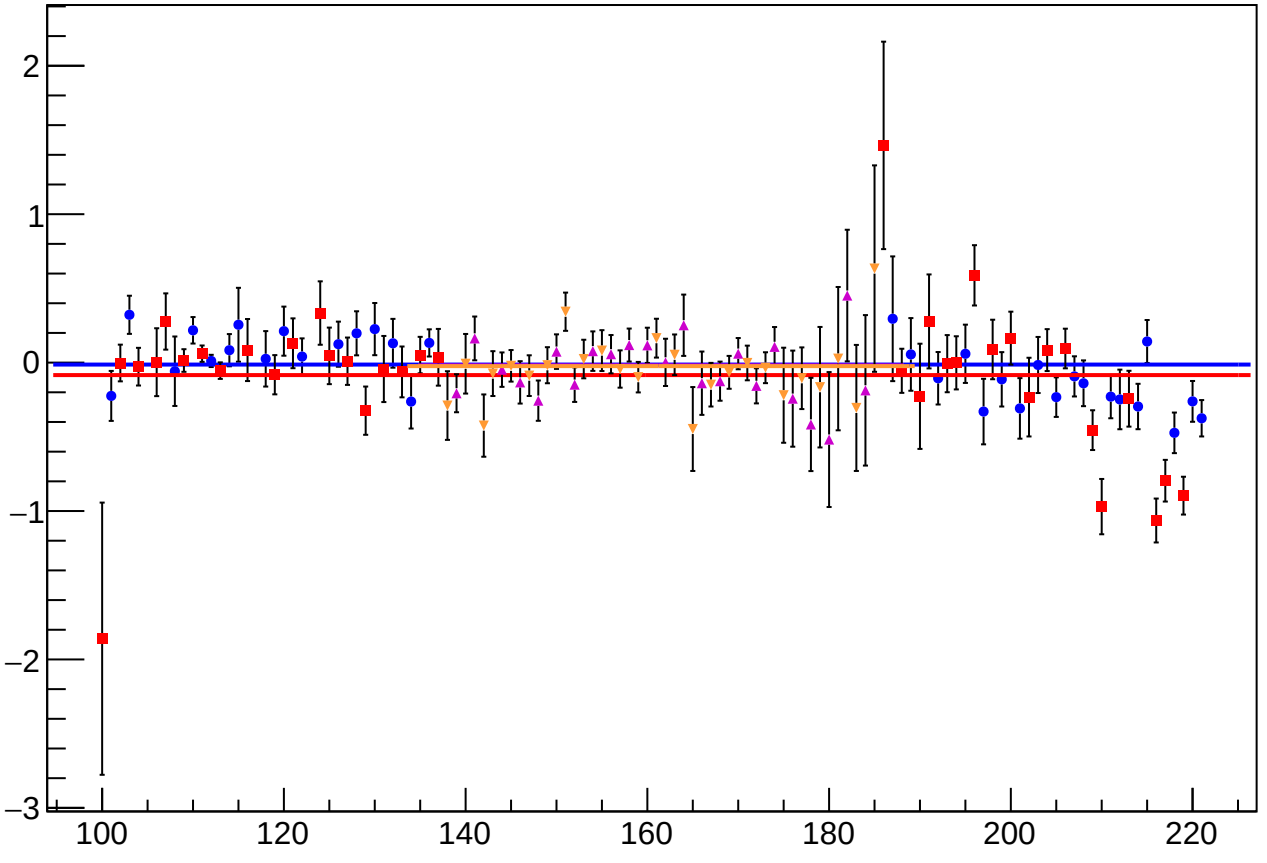
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 22487724.5/58

All: 0.004+/-0.000 χ^2/NDF: 46812531.1/118

- sign 0.004+/-0.000 χ^2/NDF: 24247228.8/59

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.8/36

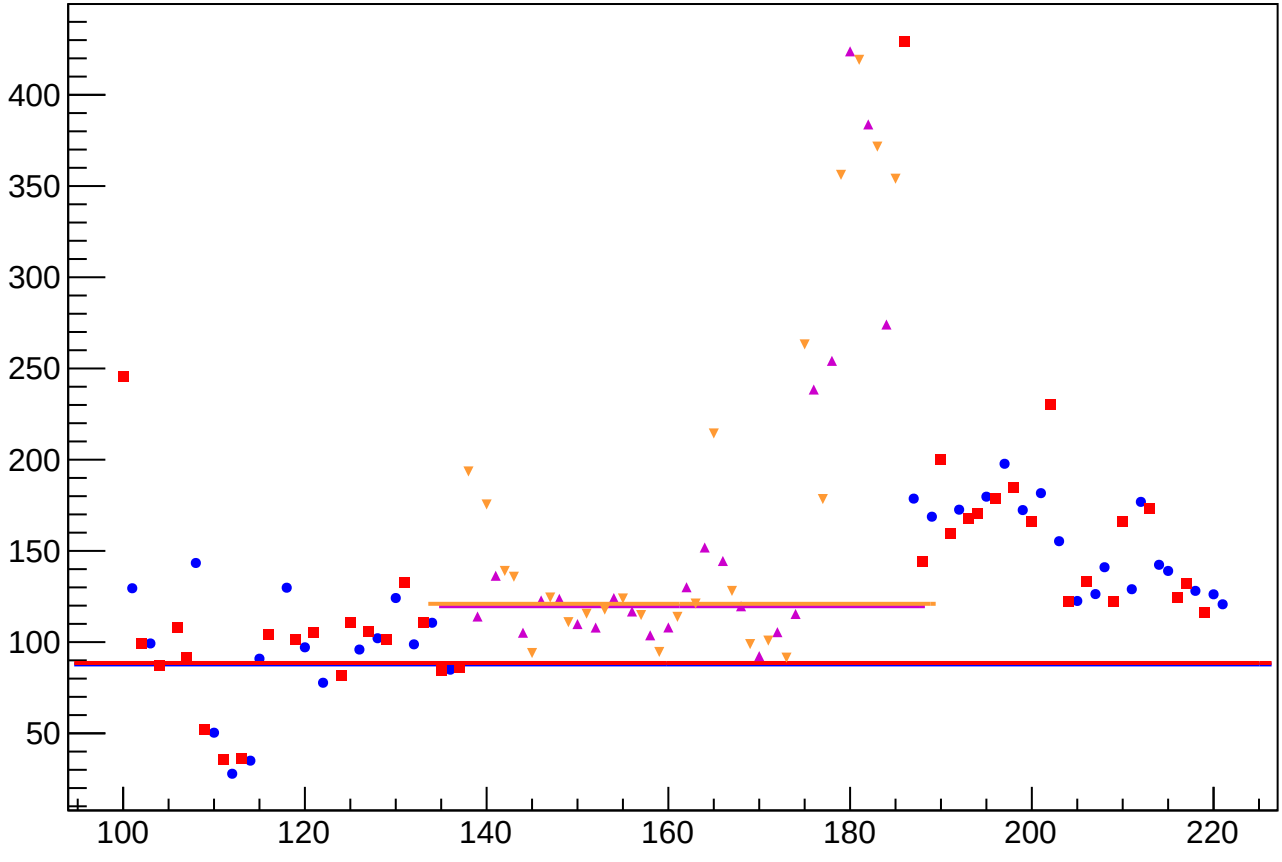
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.039+/-0.013 χ^2/NDF: 314.2/118

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 87.773+/-0.016 χ^2/NDF: 10478513.4/33

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

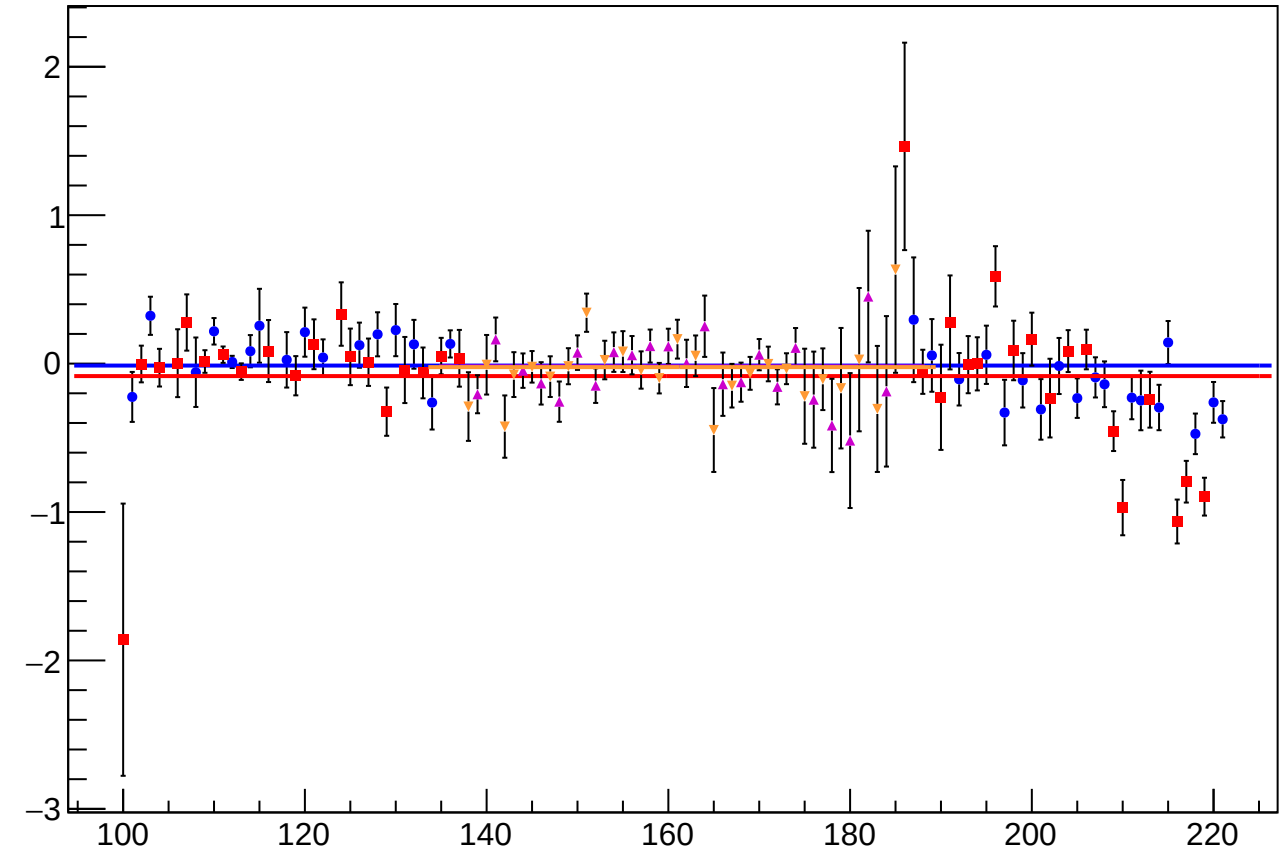
Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 99.532+/-0.013 χ^2/NDF: 16169178.0/58

All: 99.579+/-0.009 χ^2/NDF: 29995256.1/118

- sign 99.627+/-0.013 χ^2/NDF: 13826050.1/59



Right In: -0.013+/-0.022 χ^2/NDF: 70.0/33

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

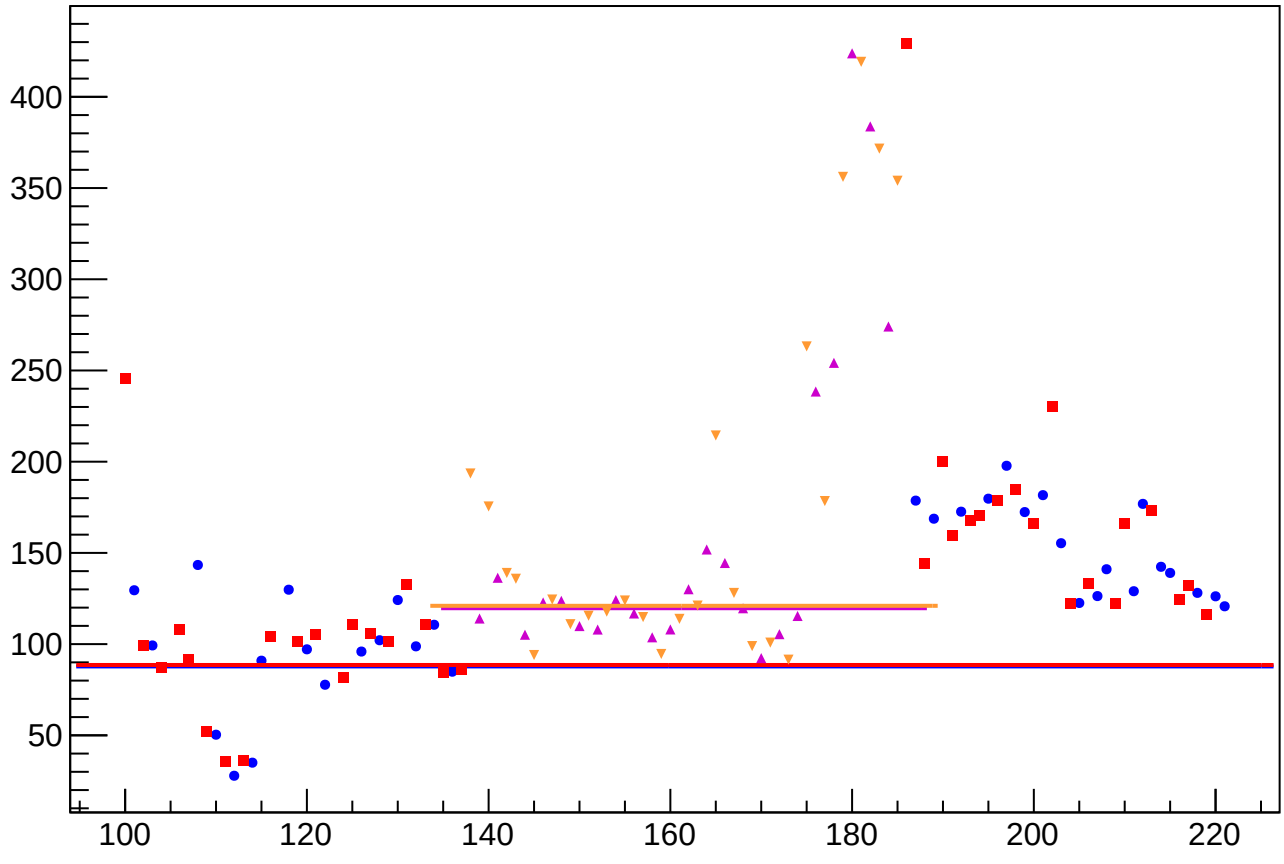
Right Out: -0.084+/-0.022 χ^2/NDF: 192.8/36

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.017+/-0.018 χ^2/NDF: 92.3/58

All: -0.039+/-0.013 χ^2/NDF: 314.2/118

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59



Right In: 87.773+/-0.016 χ^2/NDF: 10478513.4/33

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

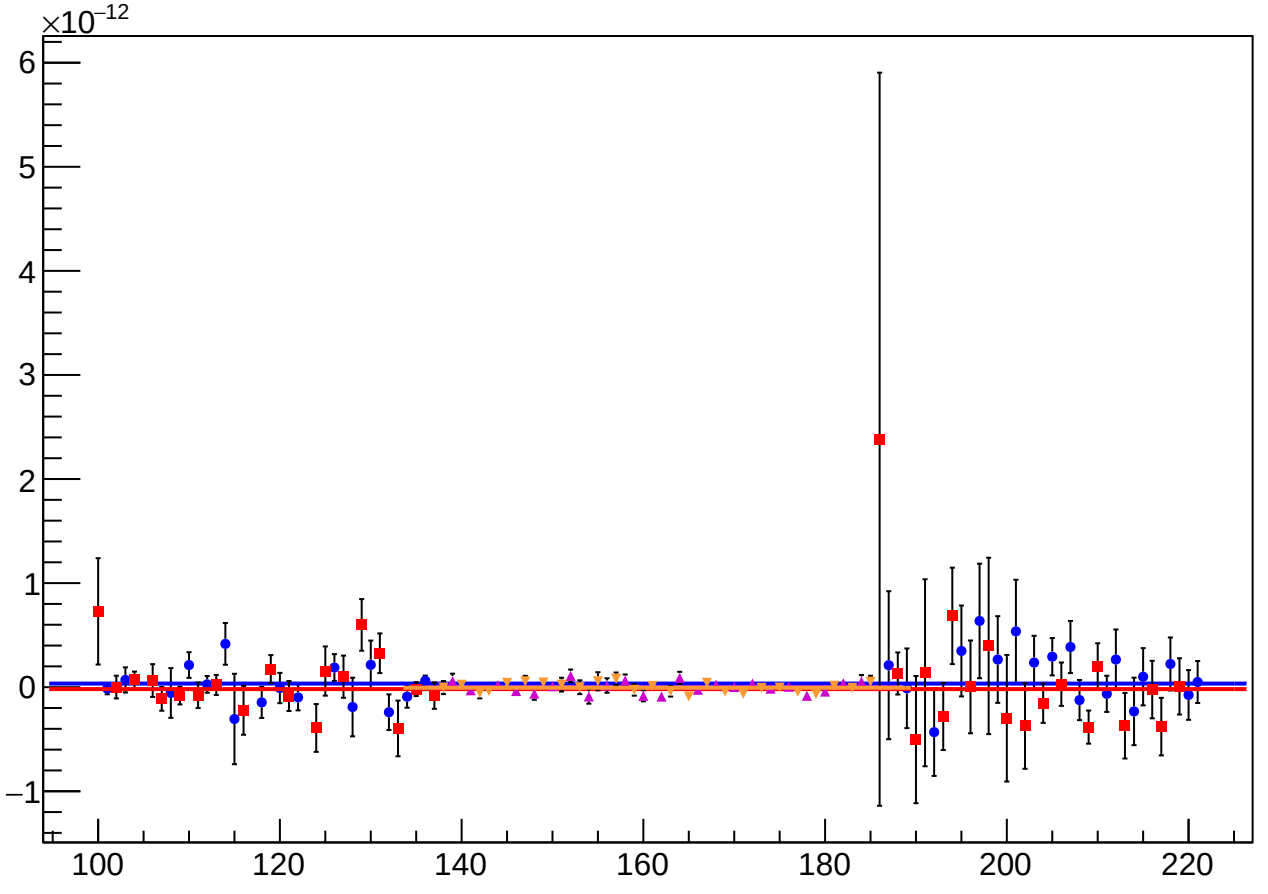
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 99.532+/-0.013 χ^2/NDF: 16169178.0/58

All: 99.579+/-0.009 χ^2/NDF: 29995256.1/118

- sign 99.627+/-0.013 χ^2/NDF: 13826050.1/59

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

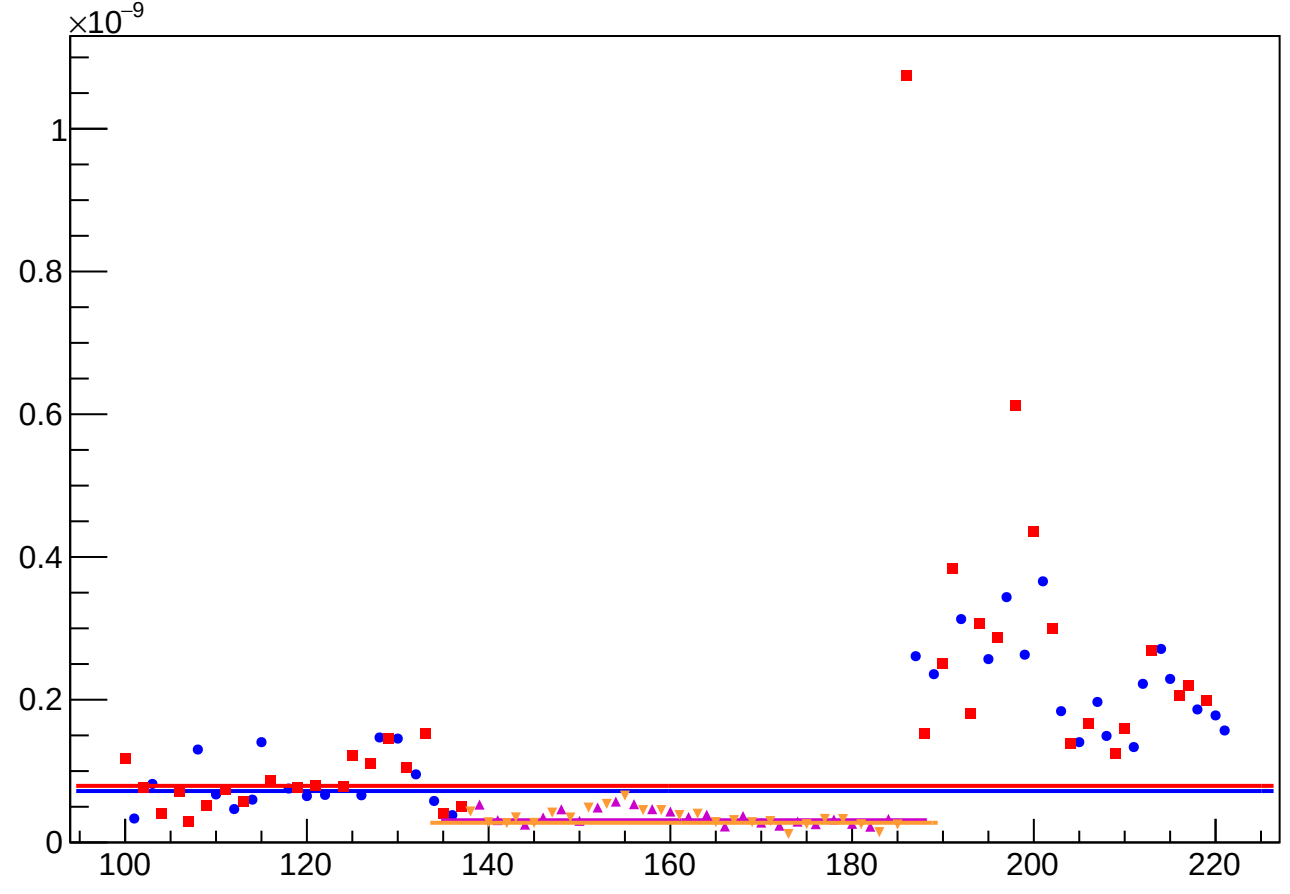
Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/36

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.8/58

All: -0.000+/-0.000 χ^2/NDF: 120.9/118

- sign -0.000+/-0.000 χ^2/NDF: 67.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 10725835.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9442121.5/36

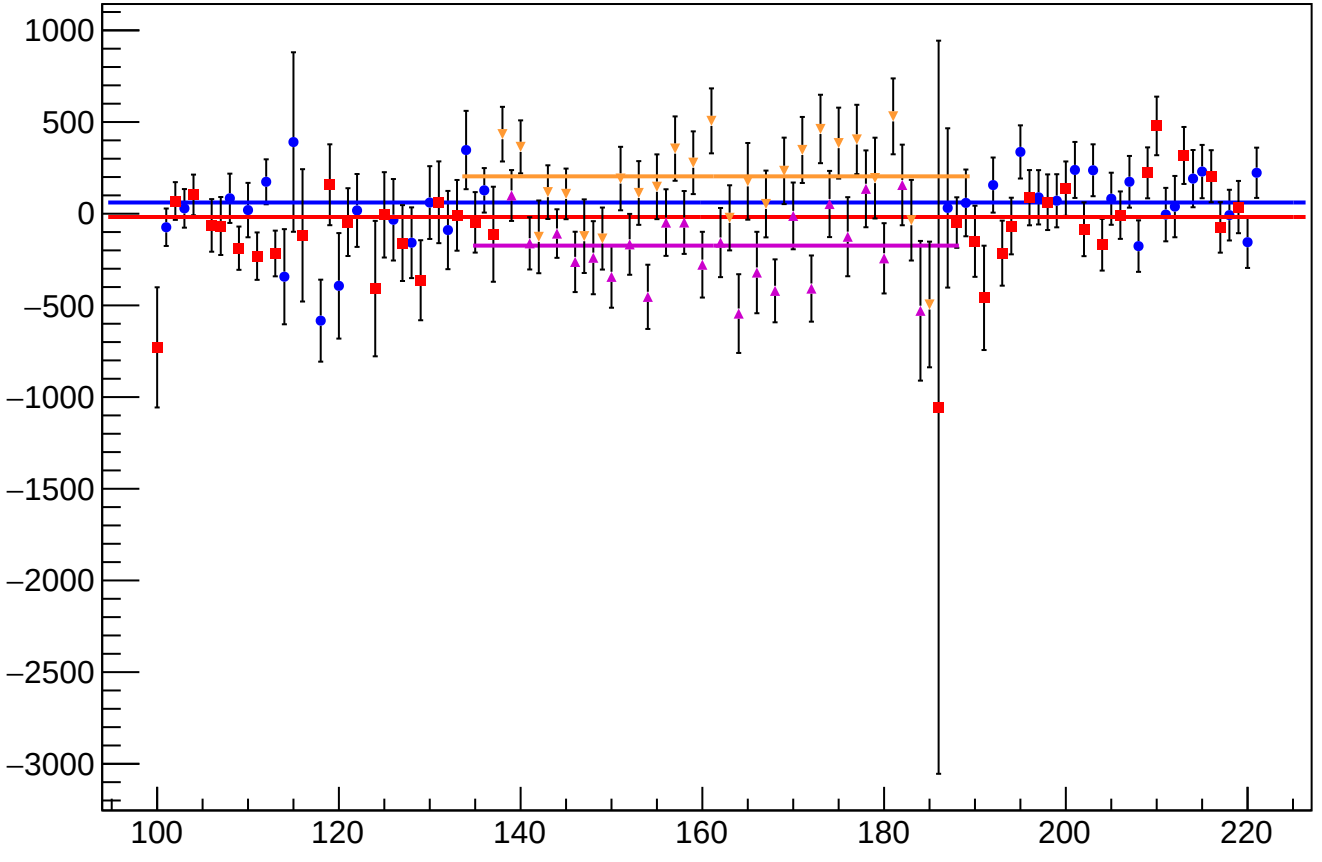
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20486348.6/58

All: 0.000+/-0.000 χ^2/NDF: 38033126.7/118

- sign 0.000+/-0.000 χ^2/NDF: 17302160.9/59

reg_asym_sam5_mean vs Slug



Right In: 61.140+/-26.674 χ^2/NDF: 37.4/33

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -17.917+/-26.398 χ^2/NDF: 47.1/36

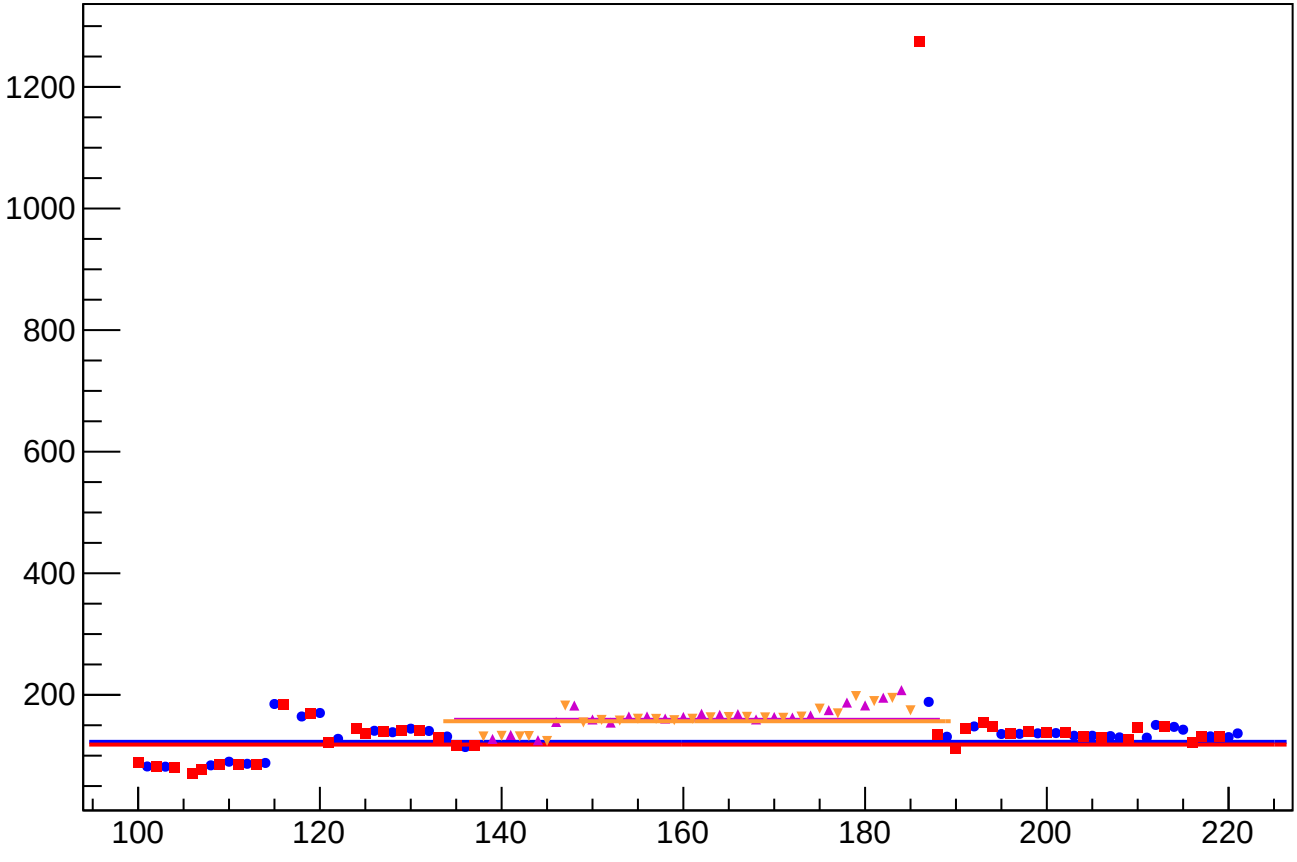
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 111.910+/-21.406 χ^2/NDF: 80.4/58

All: 21.738+/-15.193 χ^2/NDF: 199.4/118

- sign -69.801+/-21.568 χ^2/NDF: 83.3/59

reg_asym_sam5_rms vs Slug



Right In: 122.705+/-0.019 χ^2/NDF: 1714734.5/33

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 118.217+/-0.019 χ^2/NDF: 2763511.6/36

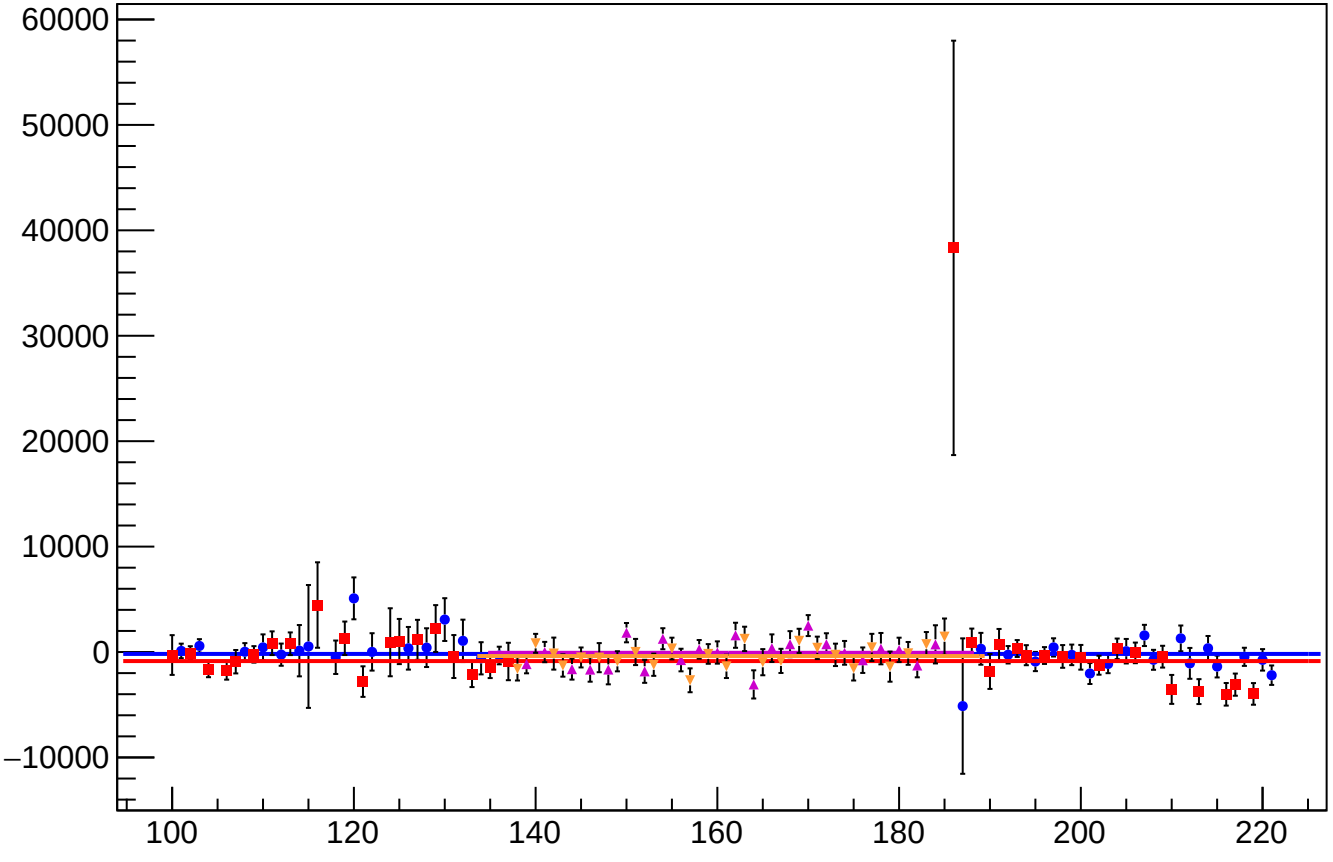
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.784+/-0.015 χ^2/NDF: 3449344.7/58

All: 133.283+/-0.011 χ^2/NDF: 8327339.6/118

- sign 131.760+/-0.015 χ^2/NDF: 4858178.9/59

asym_sam5_reg_correction_mean vs Slug



Right In: -179.961+/-187.041 χ^2/NDF: 30.8/33

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -858.286+/-184.954 χ^2/NDF: 65.1/36

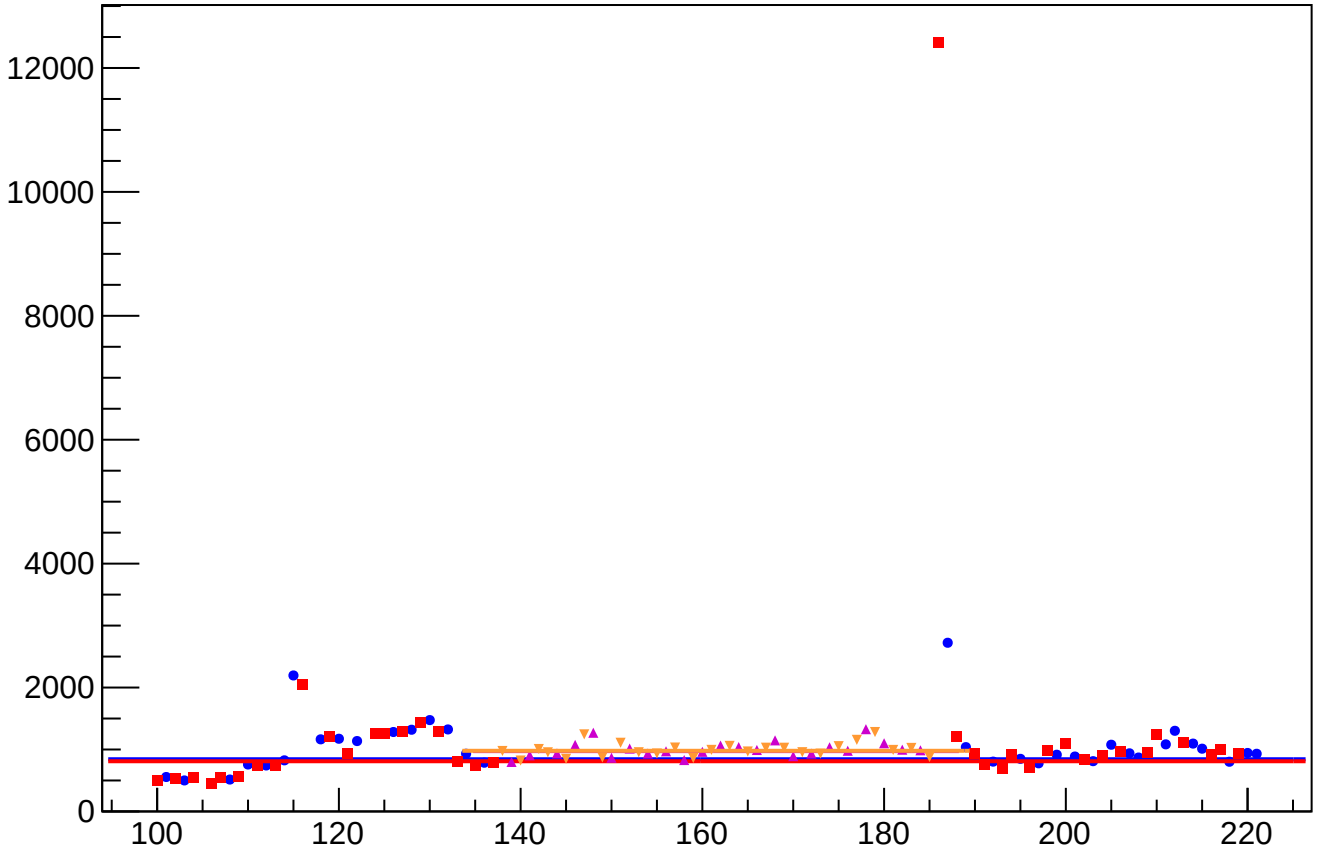
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -262.182+/-143.716 χ^2/NDF: 50.0/58

All: -405.786+/-101.751 χ^2/NDF: 157.2/118

- sign -550.119+/-144.080 χ^2/NDF: 105.2/59

asym_sam5_reg_correction_rms vs Slug



Right In: 842.851+/-0.132 χ^2/NDF: 2912852.7/33

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 810.289+/-0.131 χ^2/NDF: 3969042.6/36

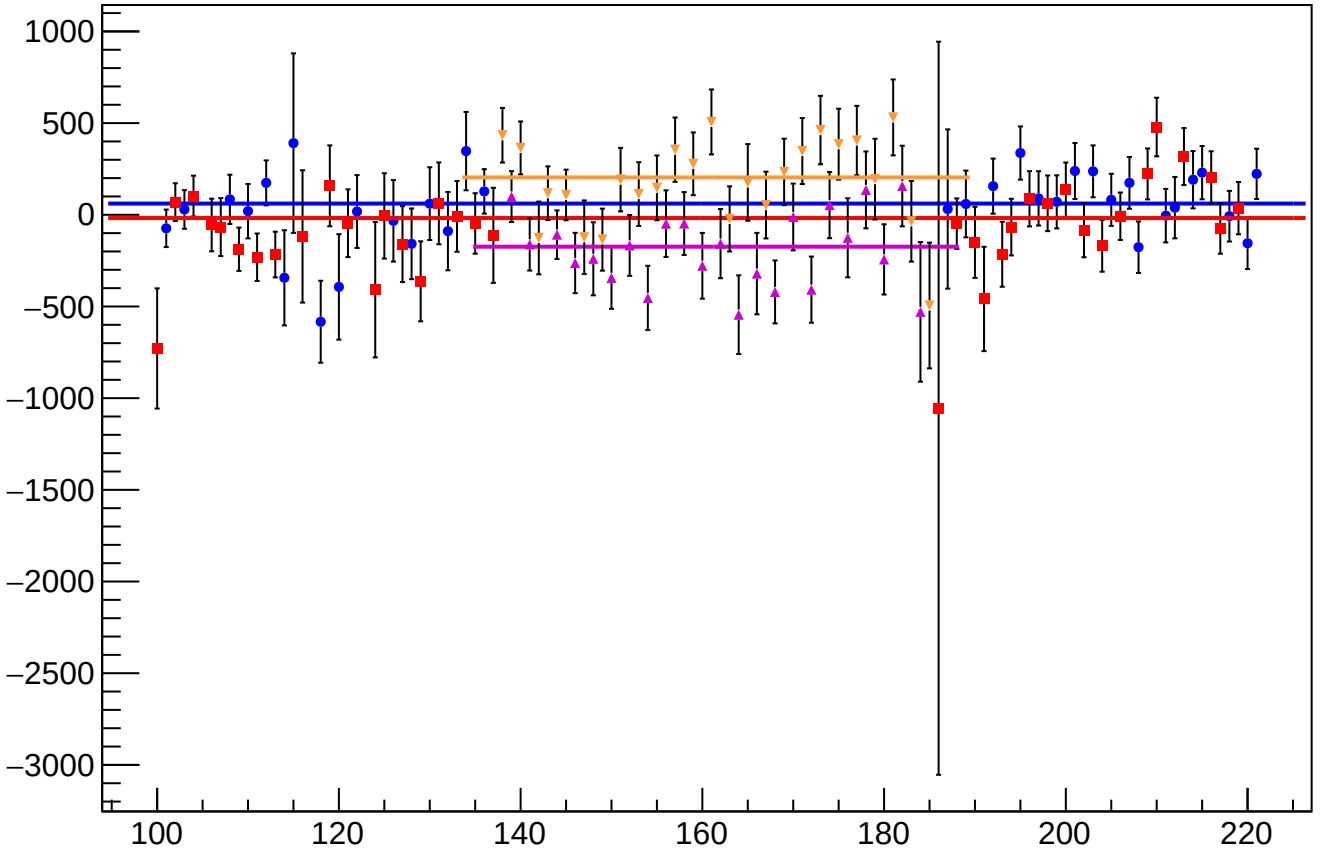
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 898.665+/-0.102 χ^2/NDF: 3777426.5/58

All: 886.653+/-0.072 χ^2/NDF: 8887769.4/118

- sign 874.580+/-0.102 χ^2/NDF: 5082329.6/59

cor_asym_sam5_mean vs Slug



Right In: 61.140+/-26.674 χ^2/NDF: 37.4/33

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -17.658+/-26.399 χ^2/NDF: 47.1/36

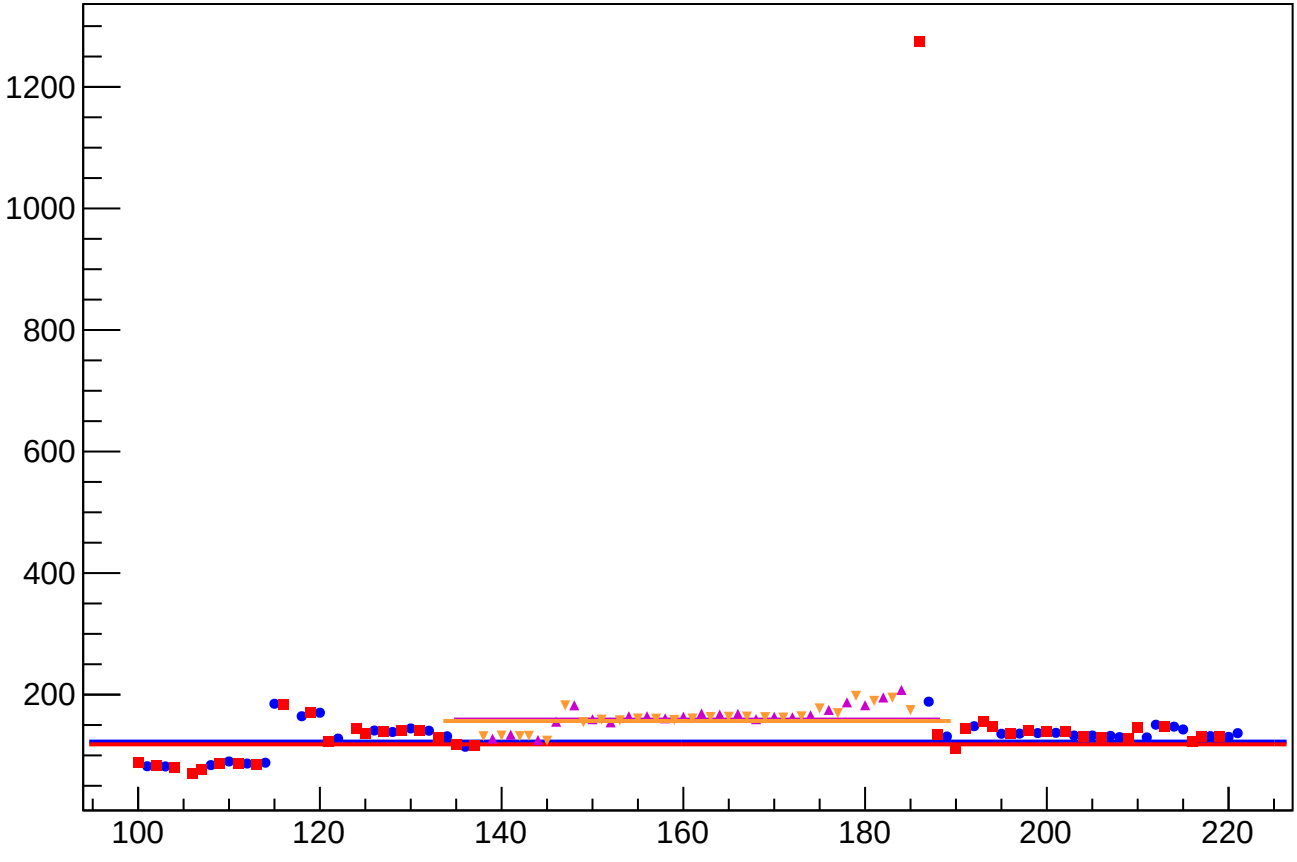
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 111.912+/-21.406 χ^2/NDF: 80.4/58

All: 21.825+/-15.193 χ^2/NDF: 199.4/118

- sign -69.632+/-21.568 χ^2/NDF: 83.3/59

cor_asym_sam5_rms vs Slug



Right In: 122.705+/-0.019 χ^2/NDF: 1714733.0/33

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

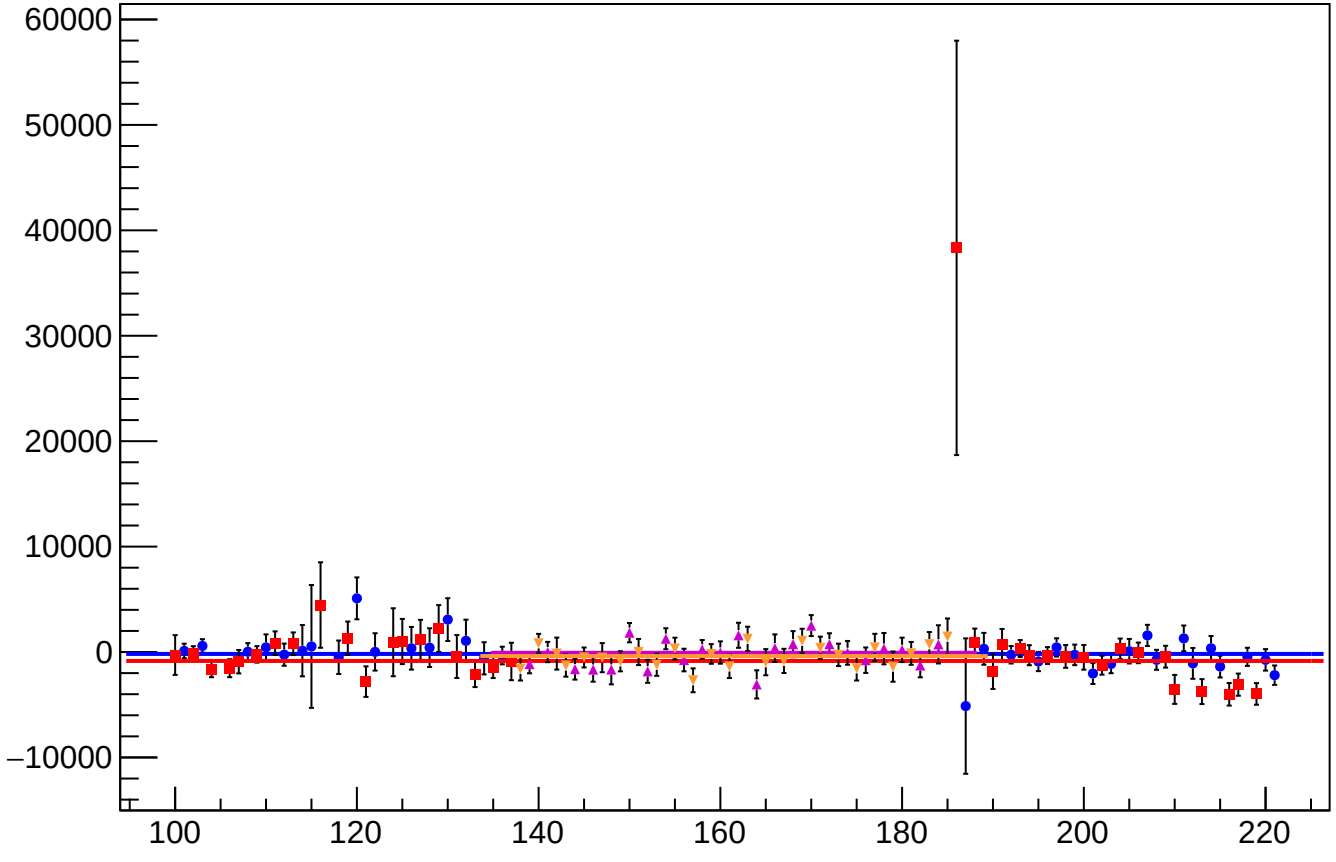
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.784+/-0.015 χ^2/NDF: 3449342.6/58

All: 133.280+/-0.011 χ^2/NDF: 8331546.5/118

- sign 131.753+/-0.015 χ^2/NDF: 4862306.2/59

asym_sam5_cor_correction_mean vs Slug



Right In: -179.957+/-187.041 χ^2/NDF: 30.8/33

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -846.344+/-185.011 χ^2/NDF: 64.5/36

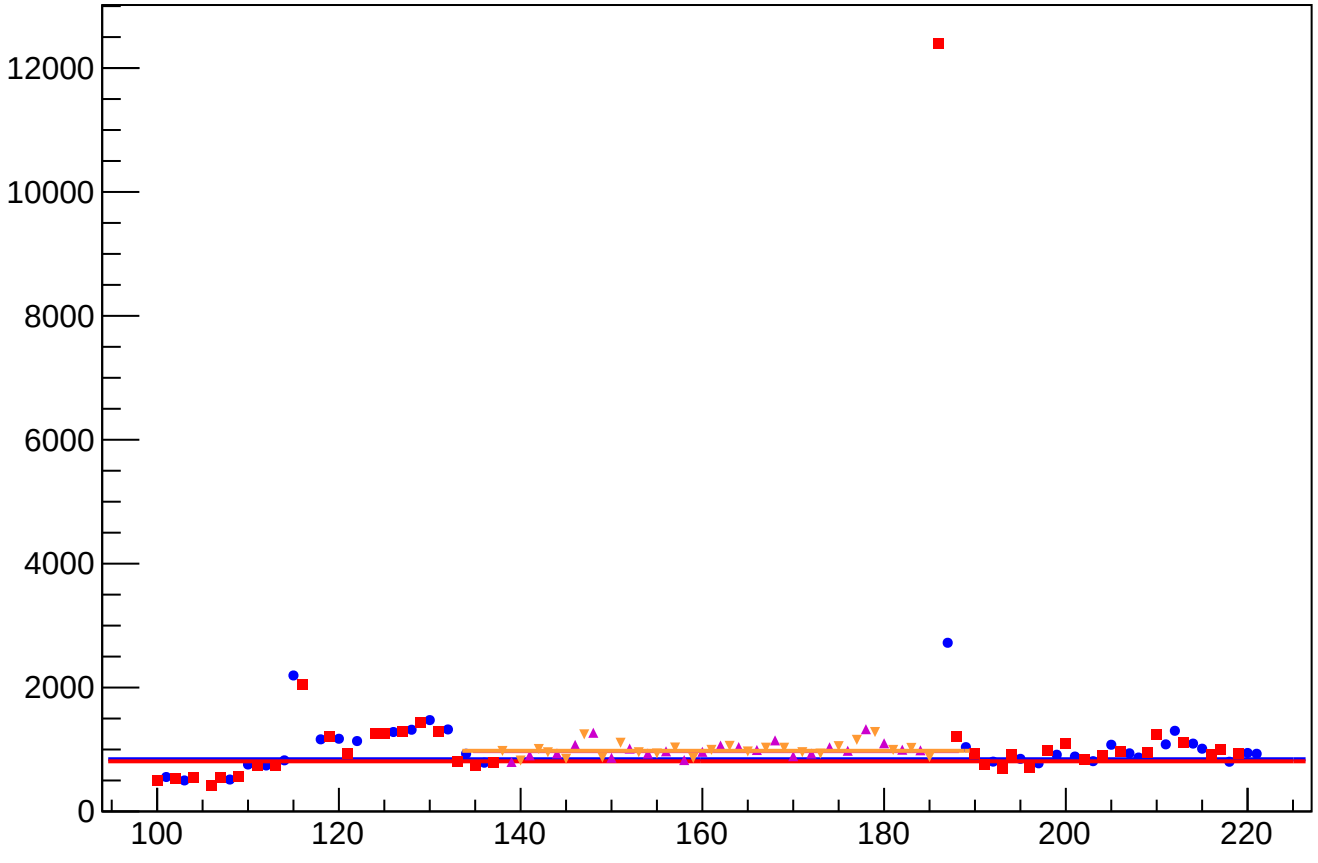
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -262.174+/-143.716 χ^2/NDF: 50.0/58

All: -402.084+/-101.761 χ^2/NDF: 156.3/118

- sign -542.756+/-144.108 χ^2/NDF: 104.4/59

asym_sam5_cor_correction_rms vs Slug



Right In: 842.851+/-0.132 χ^2/NDF: 2912857.3/33

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

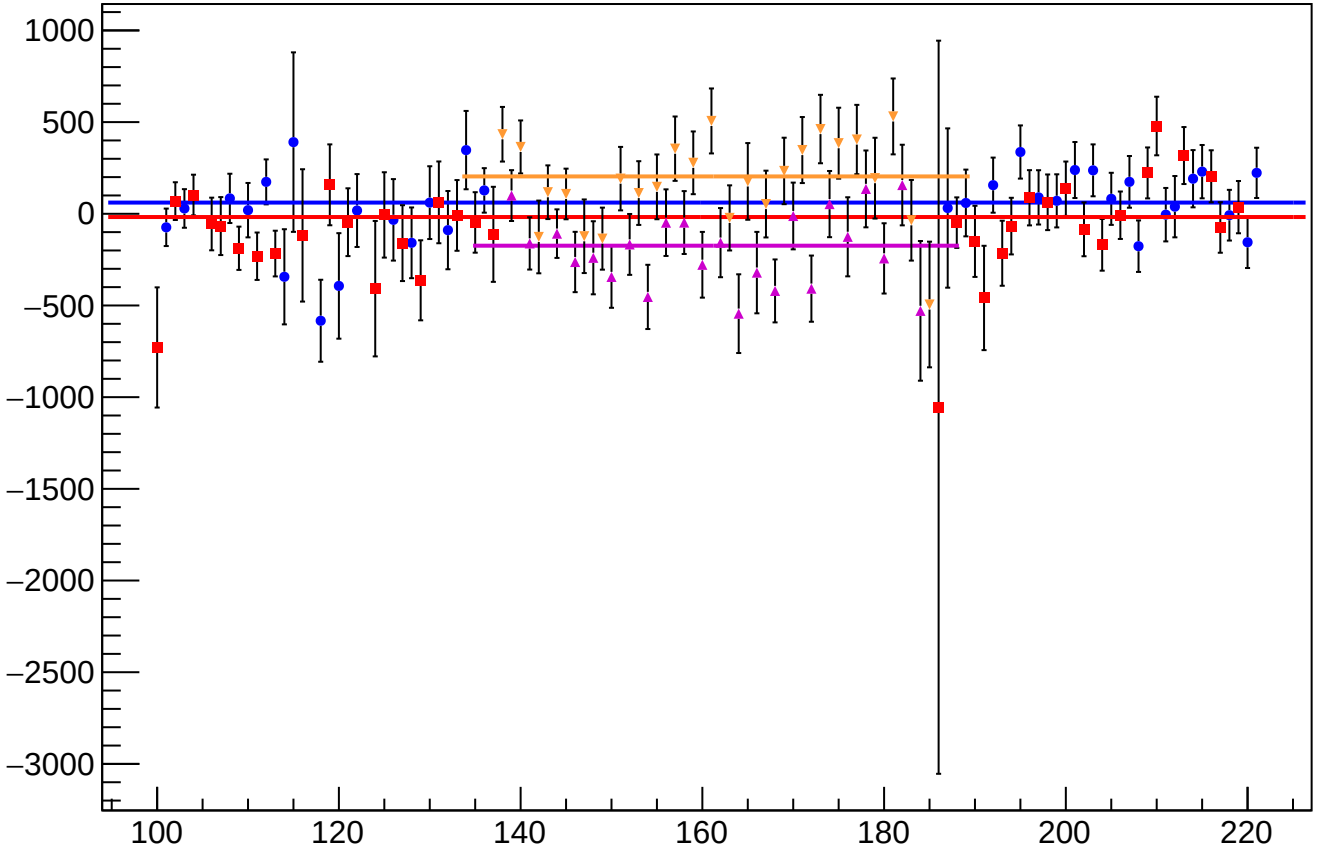
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 898.665+/-0.102 χ^2/NDF: 3777431.3/58

All: 886.388+/-0.072 χ^2/NDF: 8941072.4/118

- sign 874.045+/-0.102 χ^2/NDF: 5134373.8/59

eigen_cor_asym_sam5_mean vs Slug



Right In: 61.140+/-26.674 χ^2/NDF: 37.4/33

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -17.658+/-26.399 χ^2/NDF: 47.1/36

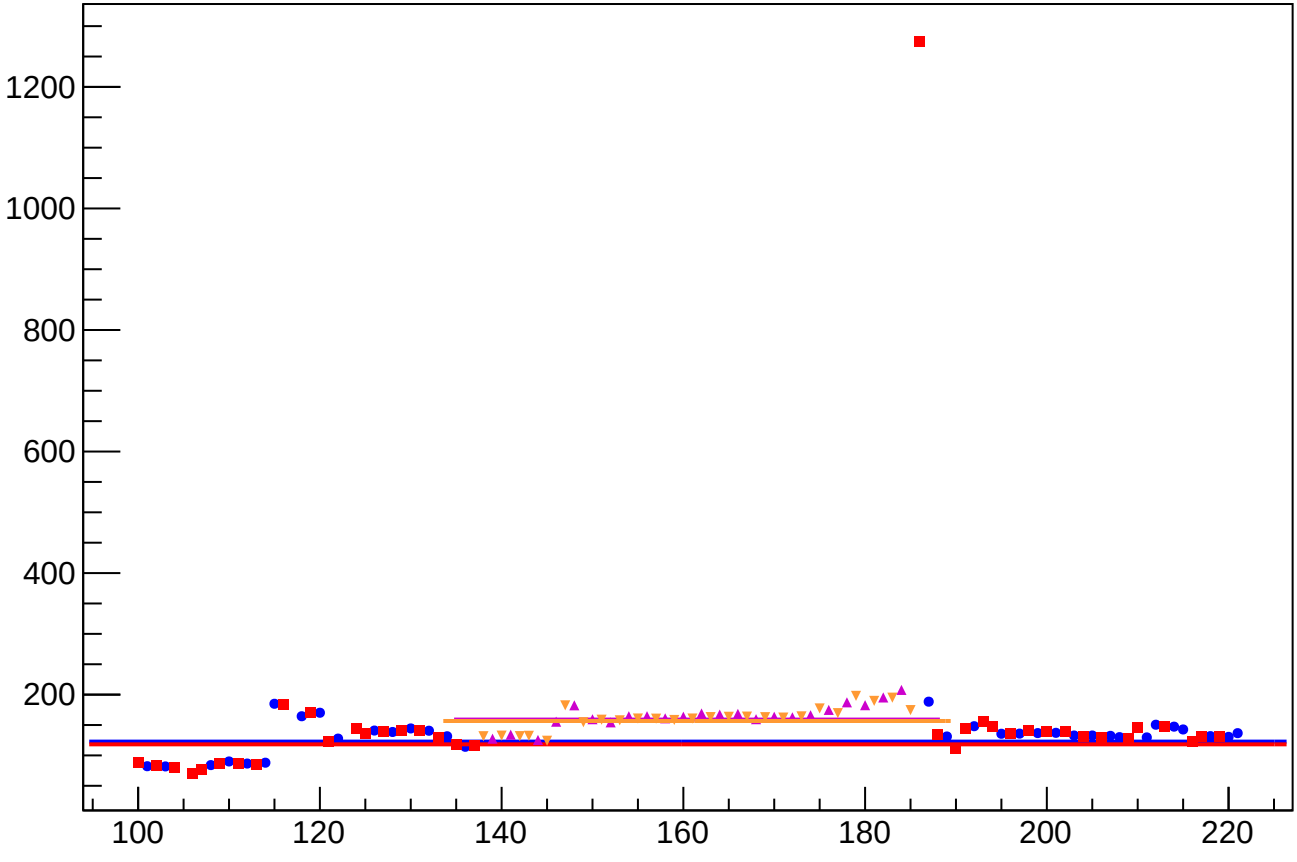
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 111.912+/-21.406 χ^2/NDF: 80.4/58

All: 21.825+/-15.193 χ^2/NDF: 199.4/118

- sign -69.632+/-21.568 χ^2/NDF: 83.3/59

eigen_cor_asym_sam5_rms vs Slug



Right In: 122.705+/-0.019 χ^2/NDF: 1714733.0/33

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

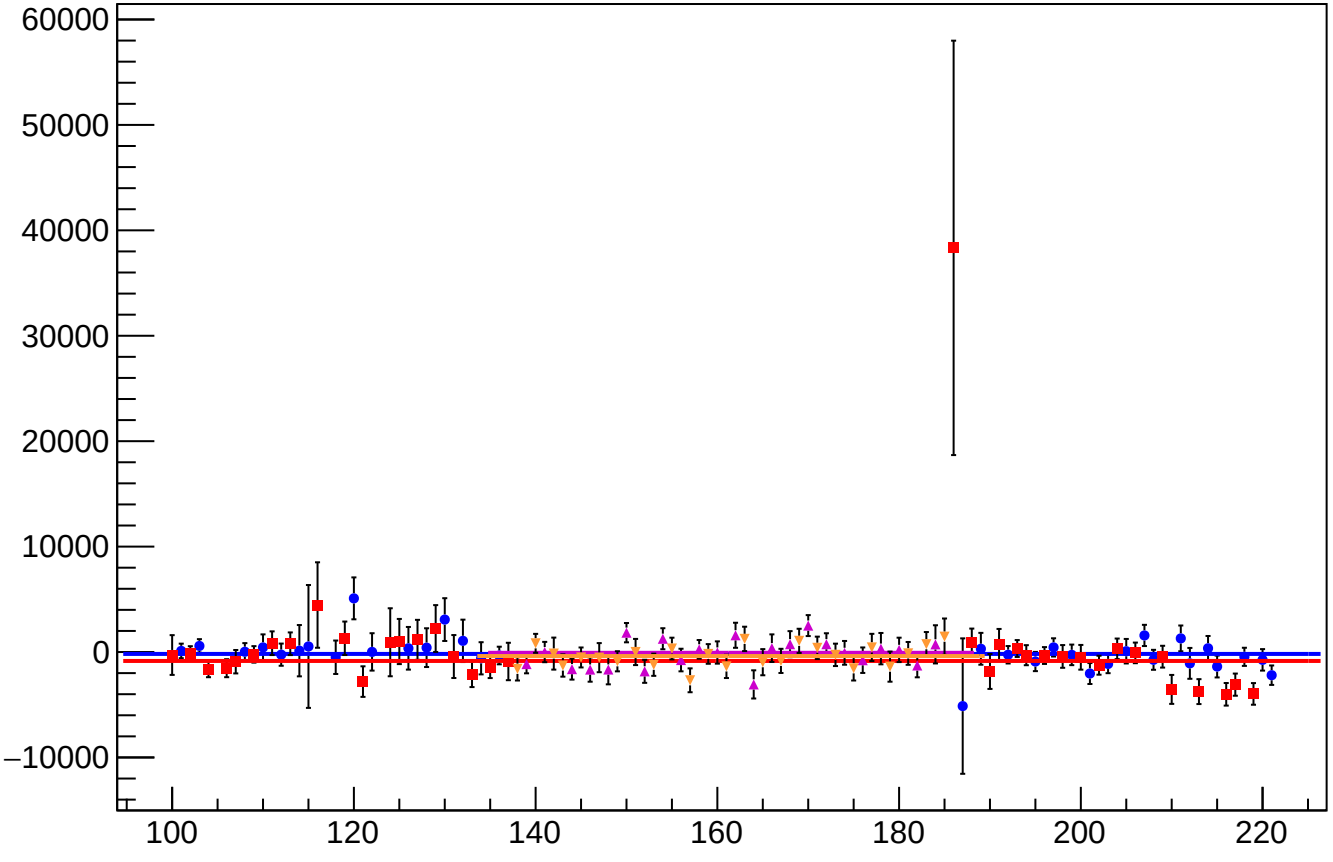
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.784+/-0.015 χ^2/NDF: 3449342.6/58

All: 133.280+/-0.011 χ^2/NDF: 8331546.5/118

- sign 131.753+/-0.015 χ^2/NDF: 4862306.2/59

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -179.957+/-187.041 χ^2/NDF: 30.8/33

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -846.344+/-185.011 χ^2/NDF: 64.5/36

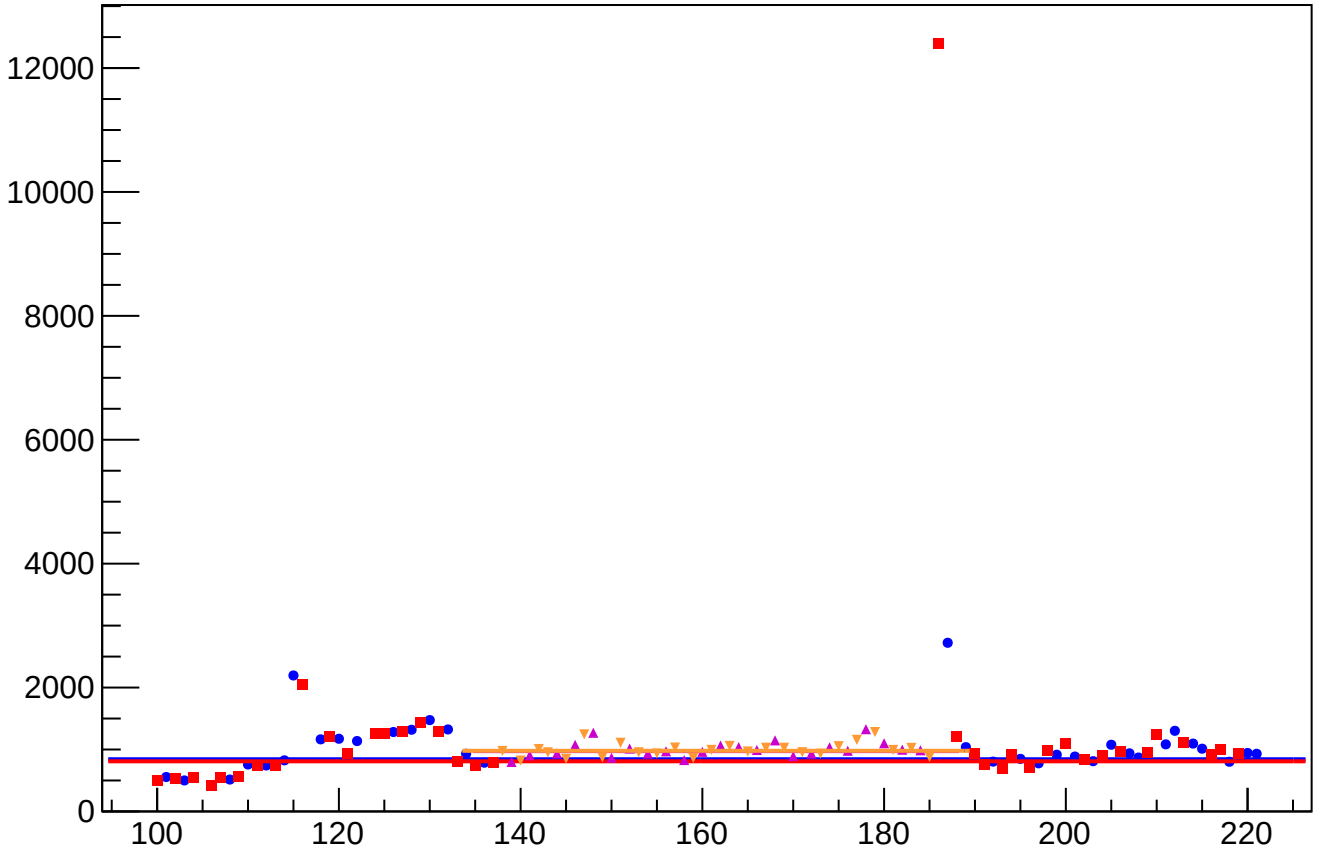
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -262.174+/-143.716 χ^2/NDF: 50.0/58

All: -402.084+/-101.761 χ^2/NDF: 156.3/118

- sign -542.756+/-144.108 χ^2/NDF: 104.4/59

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 842.851+/-0.132 χ^2/NDF: 2912857.3/33

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

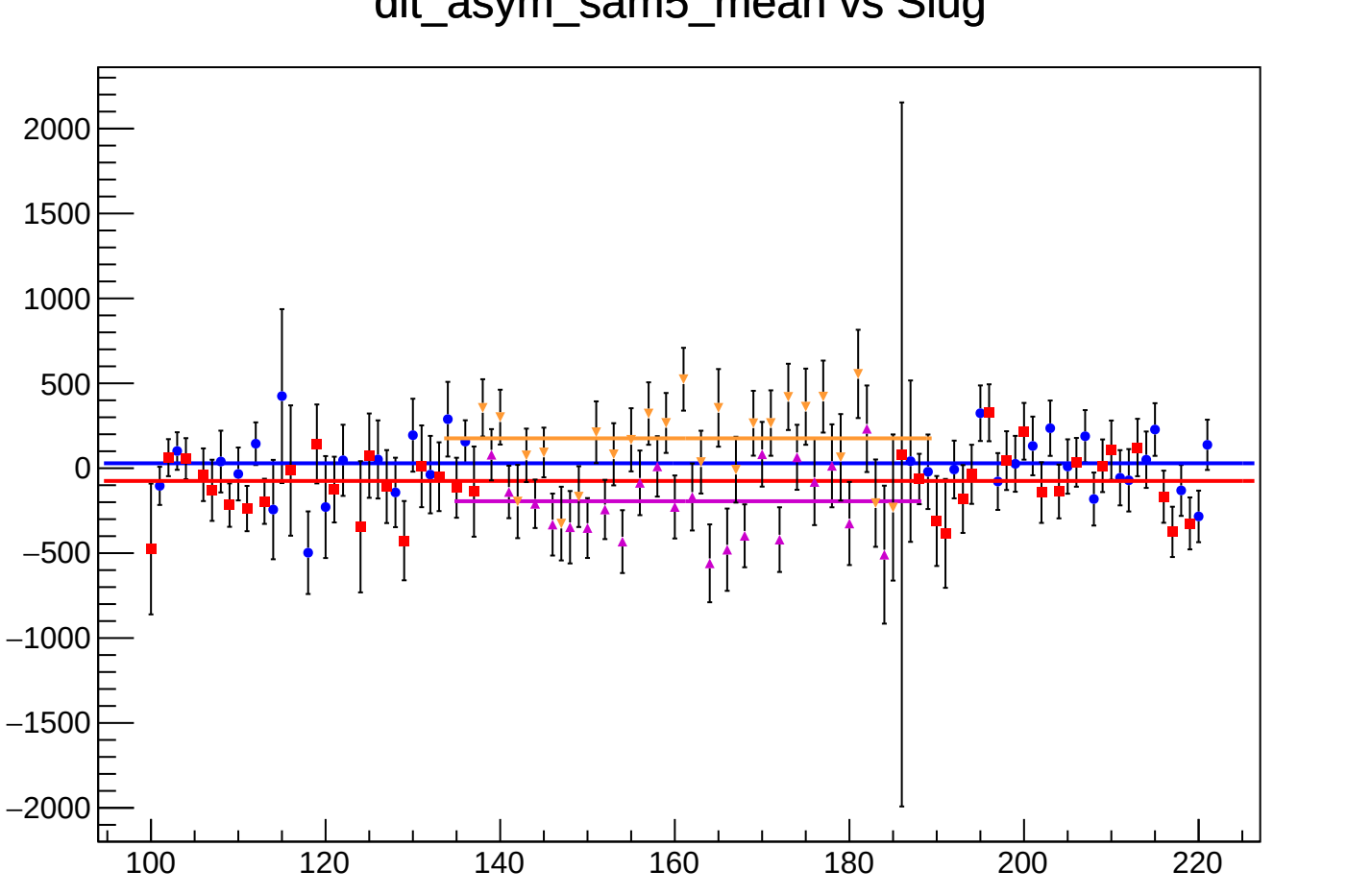
Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 898.665+/-0.102 χ^2/NDF: 3777431.3/58

All: 886.388+/-0.072 χ^2/NDF: 8941072.4/118

- sign 874.045+/-0.102 χ^2/NDF: 5134373.8/59



Right In: 29.074+/-29.209 χ^2/NDF: 30.3/33

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.925+/-28.855 χ^2/NDF: 34.0/36

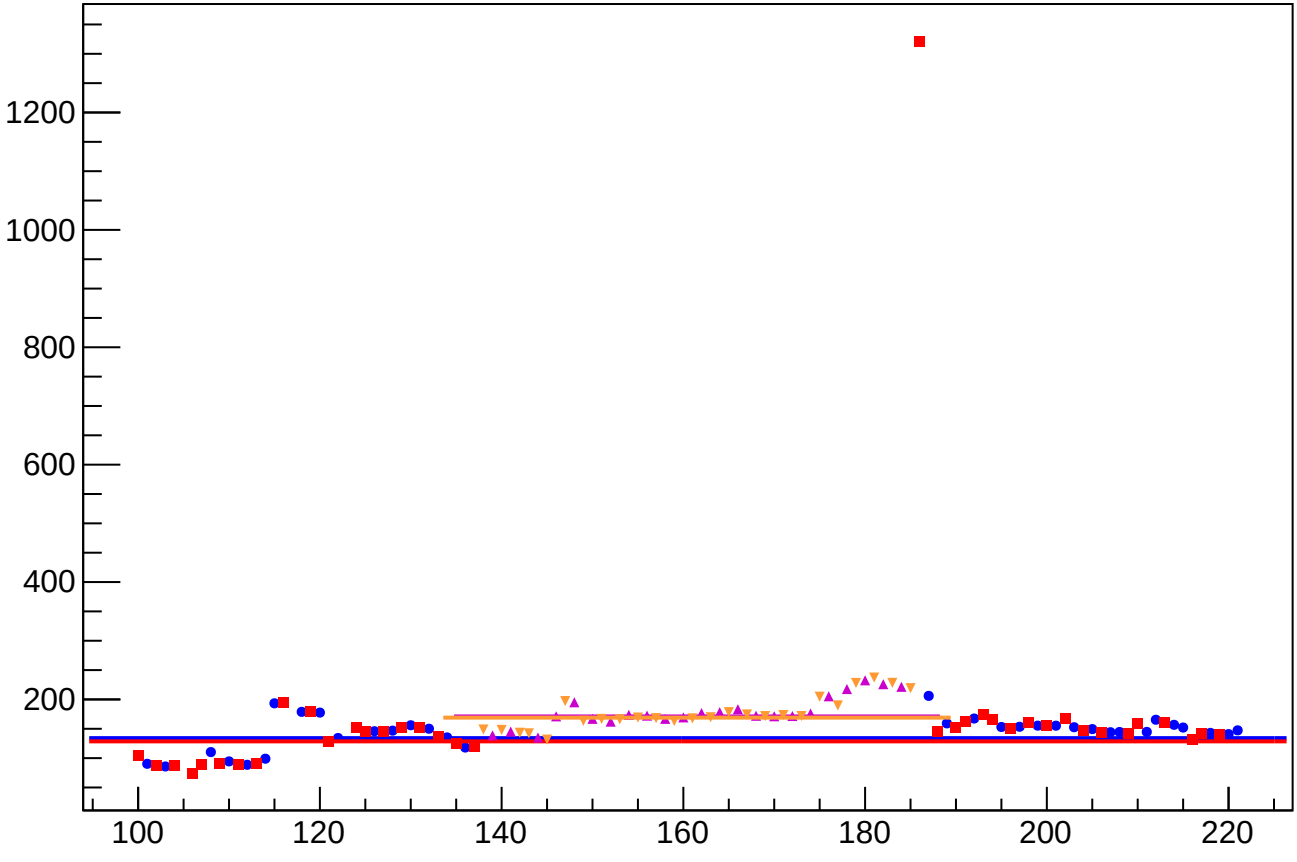
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 82.158+/-23.344 χ^2/NDF: 70.2/58

All: -15.996+/-16.554 χ^2/NDF: 169.5/118

- sign -115.281+/-23.478 χ^2/NDF: 63.7/59

dit_asym_sam5_rms vs Slug



Right In: 134.073+/-0.021 χ^2/NDF: 1836906.7/33

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025698.8/36

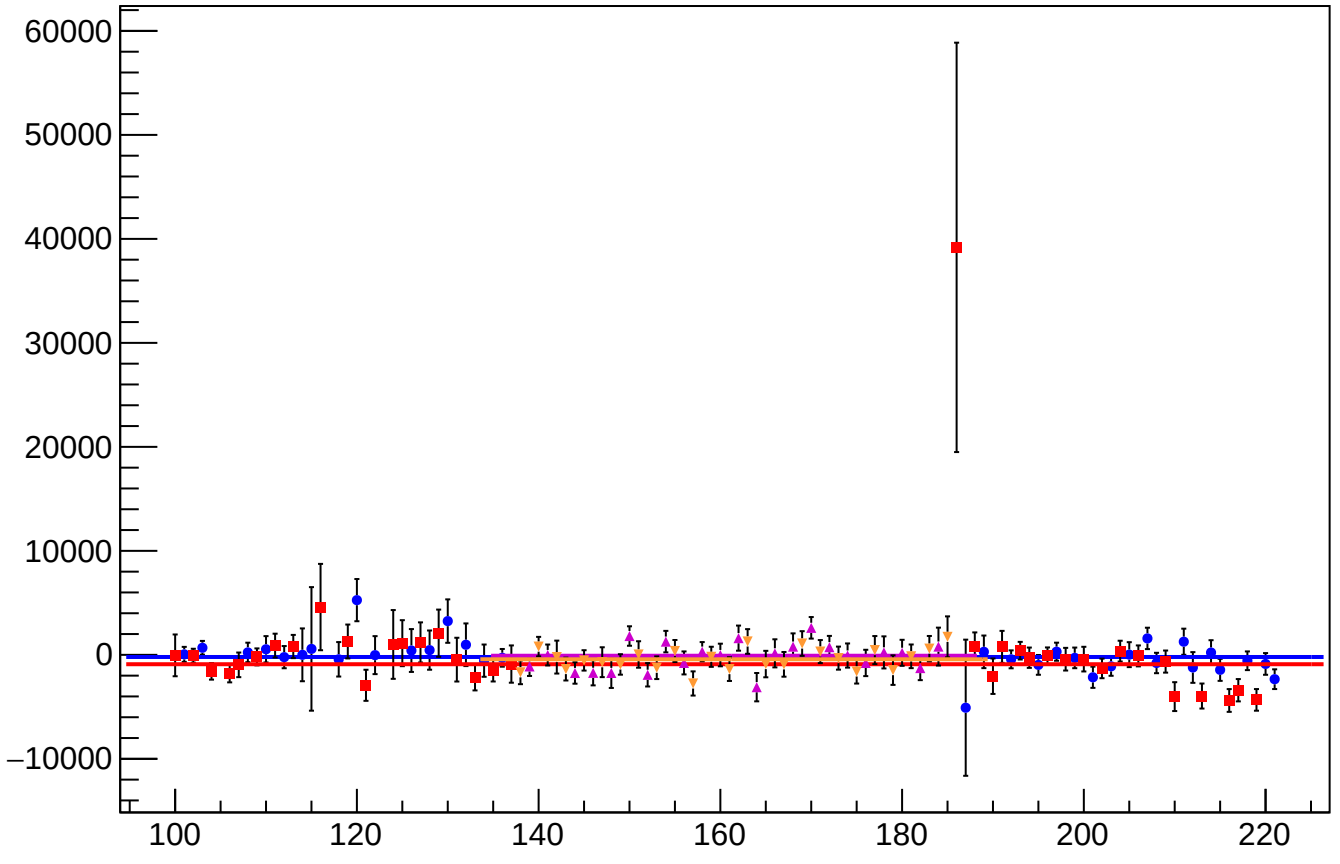
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.694+/-0.017 χ^2/NDF: 3644543.4/58

All: 144.820+/-0.012 χ^2/NDF: 8836730.0/118

- sign 142.924+/-0.017 χ^2/NDF: 5166246.3/59

asym_sam5_dit_correction_mean vs Slug



Right In: -206.346+/-193.302 χ^2/NDF: 31.8/33

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -902.106+/-190.616 χ^2/NDF: 71.8/36

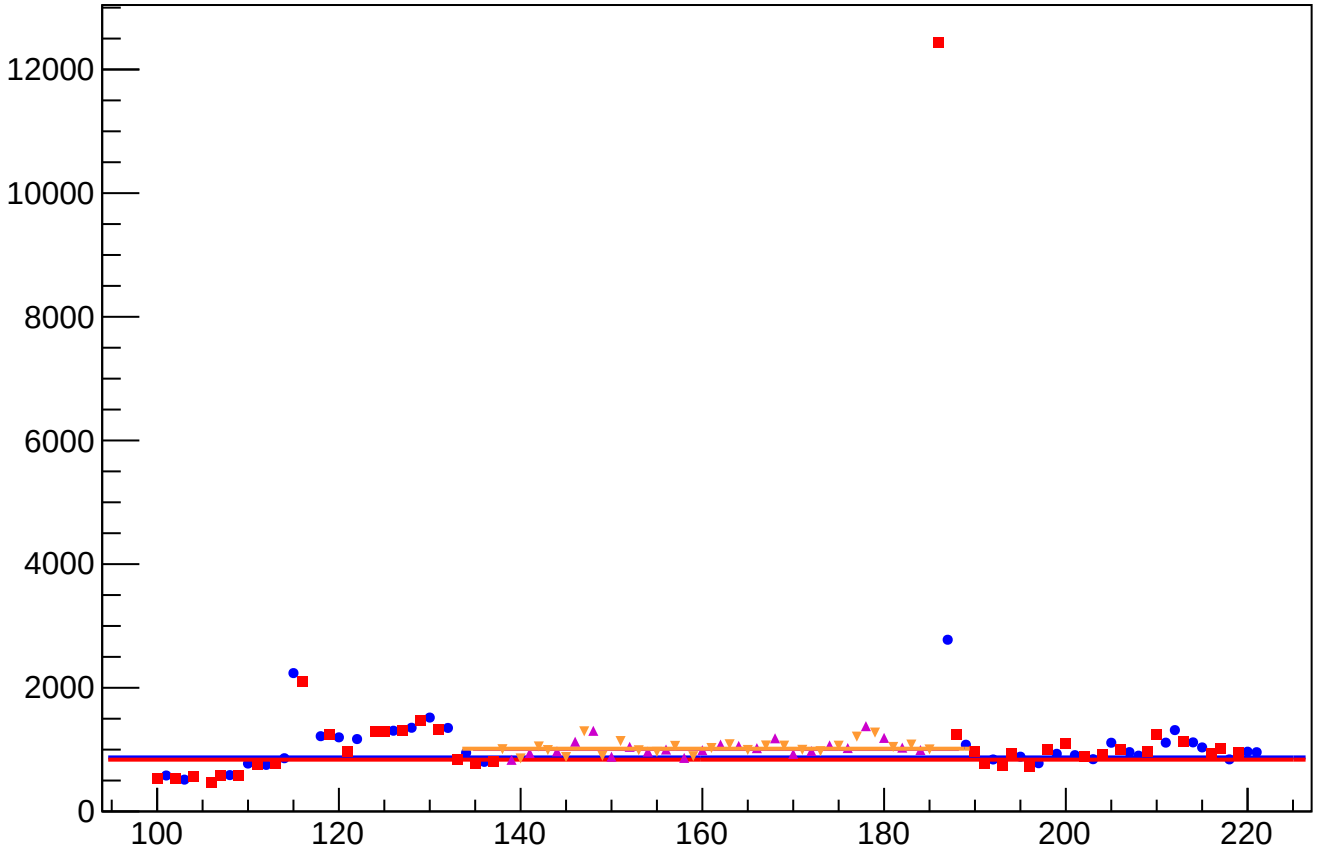
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -296.021+/-148.655 χ^2/NDF: 50.7/58

All: -439.666+/-105.173 χ^2/NDF: 164.0/118

- sign -583.627+/-148.818 χ^2/NDF: 111.4/59

asym_sam5_dit_correction_rms vs Slug



Right In: 873.877+/-0.137 χ^2/NDF: 2725455.0/33

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 837.681+/-0.135 χ^2/NDF: 3800664.9/36

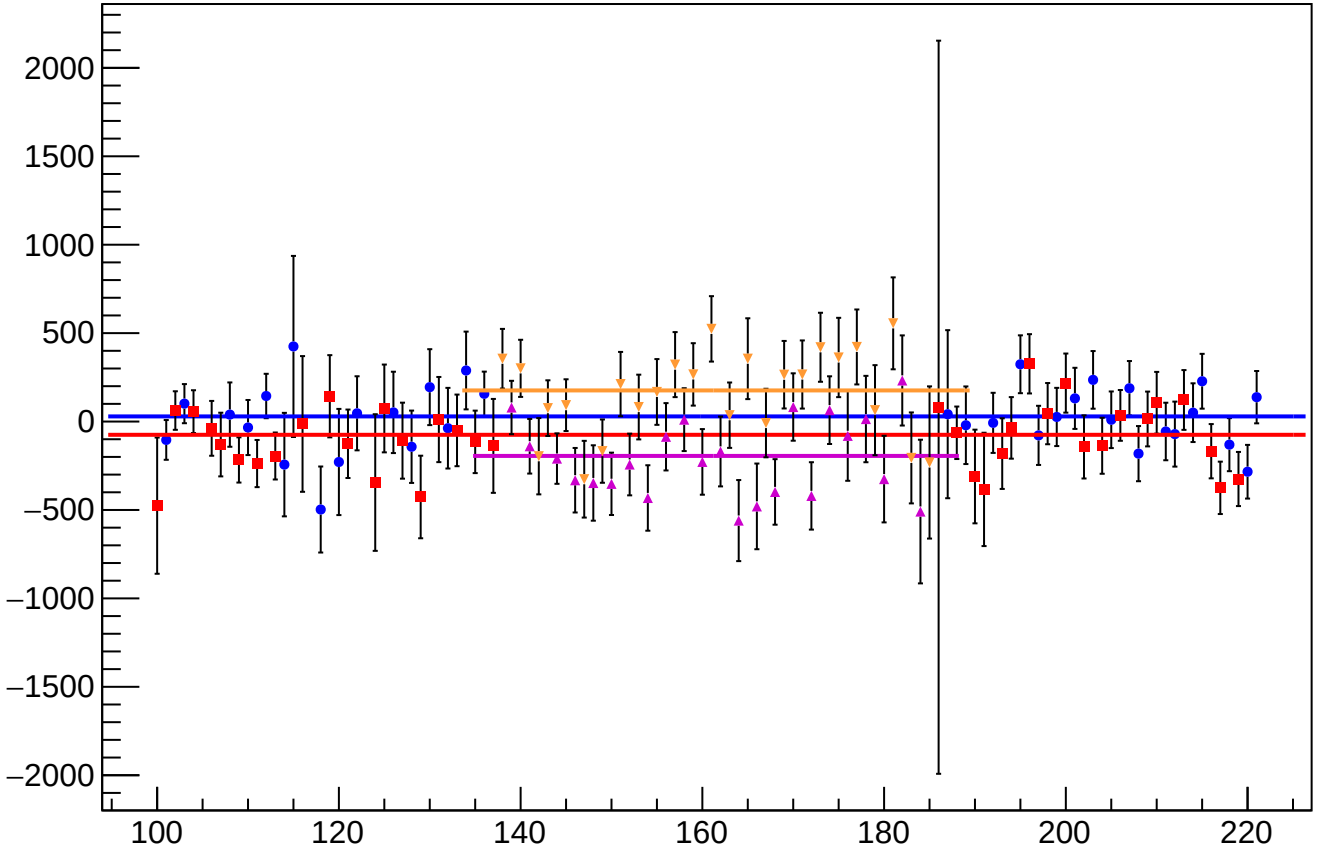
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

\+ sign 931.558+/-0.105 χ^2/NDF: 3559256.5/58

All: 918.213+/-0.074 χ^2/NDF: 8526767.8/118

\- sign 904.839+/-0.105 χ^2/NDF: 4935241.9/59

eigen_dit_asym_sam5_mean vs Slug



Right In: 29.075+/-29.209 χ^2/NDF: 30.3/33

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.924+/-28.855 χ^2/NDF: 34.0/36

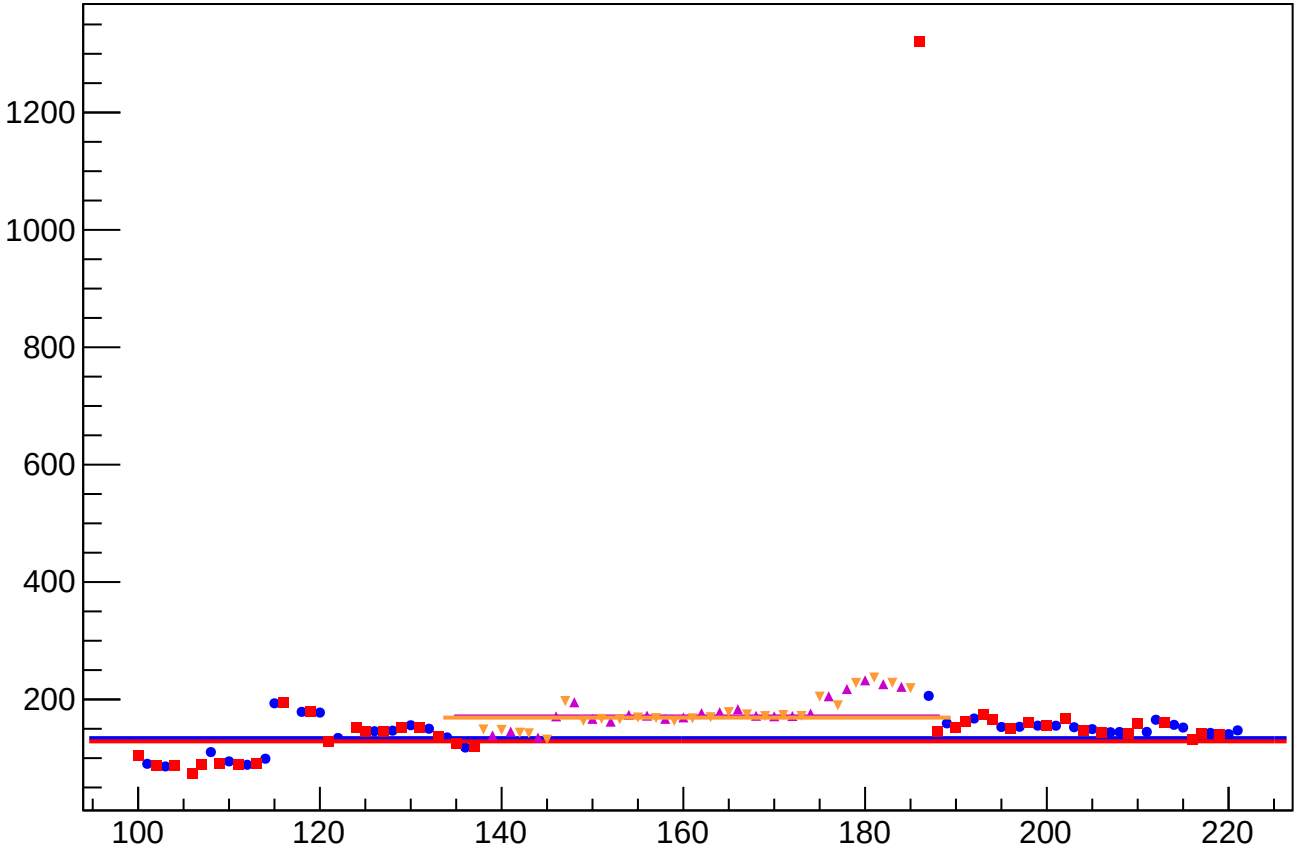
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 82.159+/-23.344 χ^2/NDF: 70.2/58

All: -15.995+/-16.554 χ^2/NDF: 169.5/118

- sign -115.280+/-23.478 χ^2/NDF: 63.7/59

eigen_dit_asym_sam5_rms vs Slug



Right In: 134.073+/-0.021 χ^2/NDF: 1836913.9/33

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025699.8/36

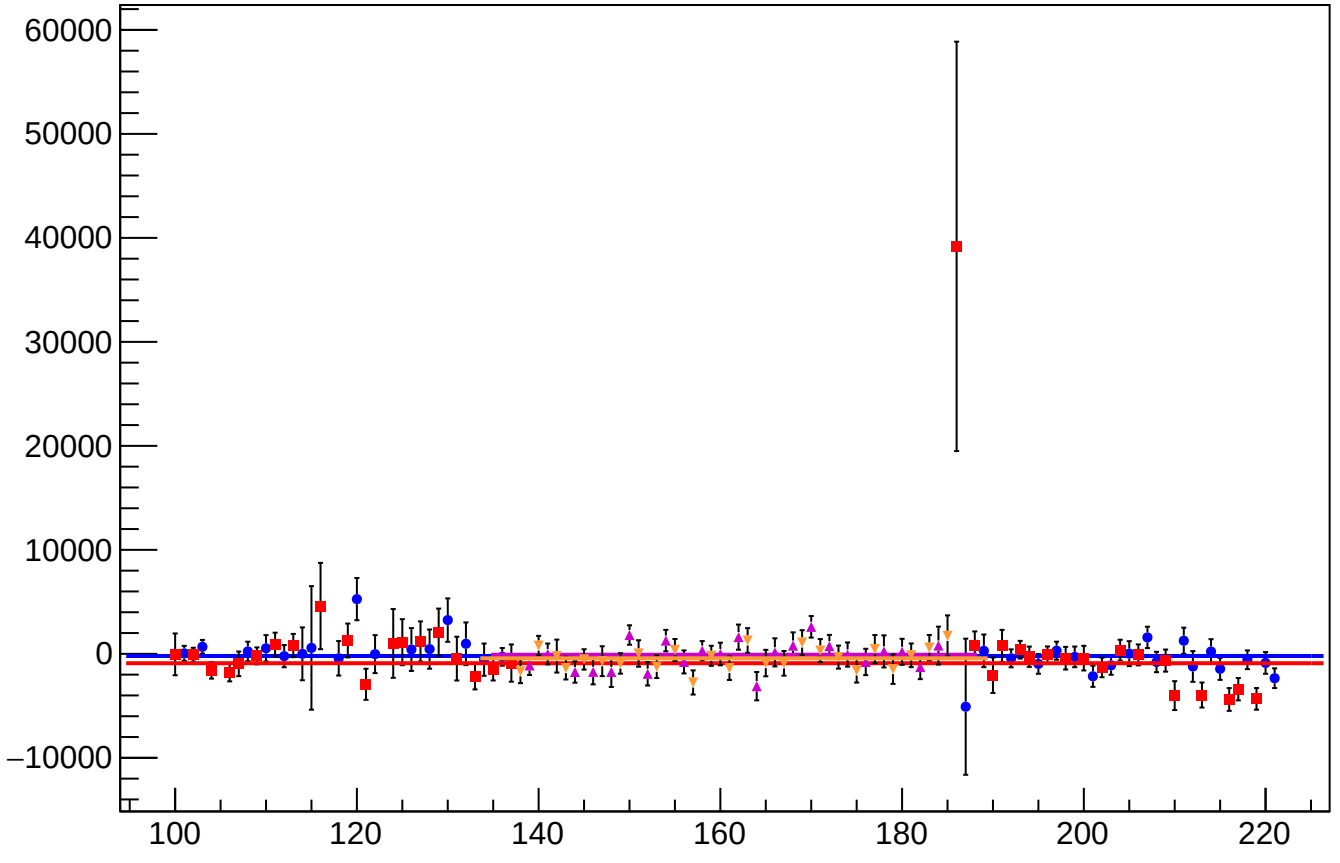
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.694+/-0.017 χ^2/NDF: 3644561.8/58

All: 144.820+/-0.012 χ^2/NDF: 8836771.7/118

- sign 142.924+/-0.017 χ^2/NDF: 5166270.3/59

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -206.344+/-193.302 χ^2/NDF: 31.8/33

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -902.107+/-190.616 χ^2/NDF: 71.8/36

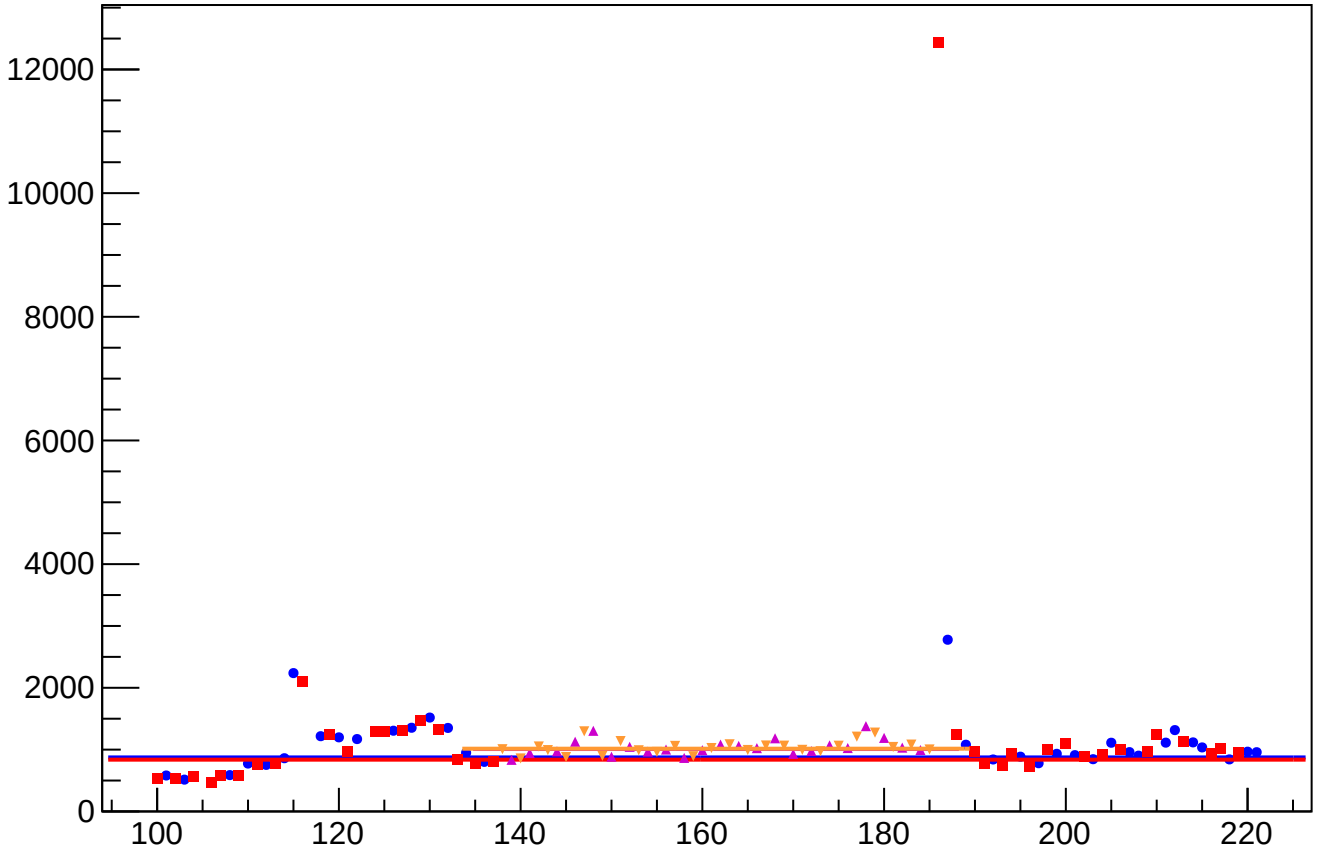
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -296.019+/-148.655 χ^2/NDF: 50.7/58

All: -439.666+/-105.173 χ^2/NDF: 164.0/118

- sign -583.628+/-148.818 χ^2/NDF: 111.4/59

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 873.877+/-0.137 χ^2/NDF: 2725454.3/33

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 837.680+/-0.135 χ^2/NDF: 3800667.5/36

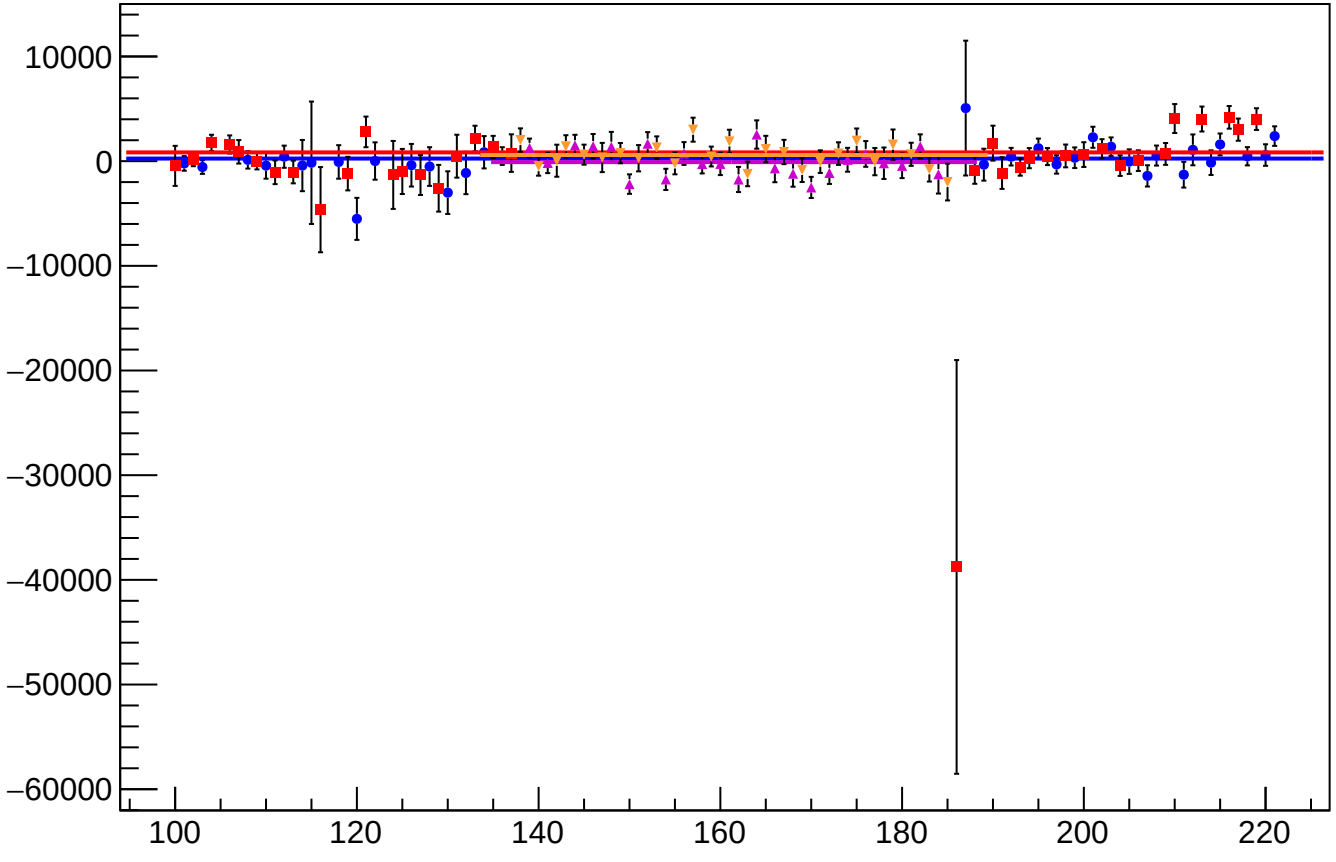
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 931.558+/-0.105 χ^2/NDF: 3559265.2/58

All: 918.213+/-0.074 χ^2/NDF: 8526792.6/118

- sign 904.839+/-0.105 χ^2/NDF: 4935258.2/59

asym_sam5_mean vs Slug



Right In: 248.324+/-189.252 χ^2/NDF: 34.1/33

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 837.436+/-187.242 χ^2/NDF: 71.6/36

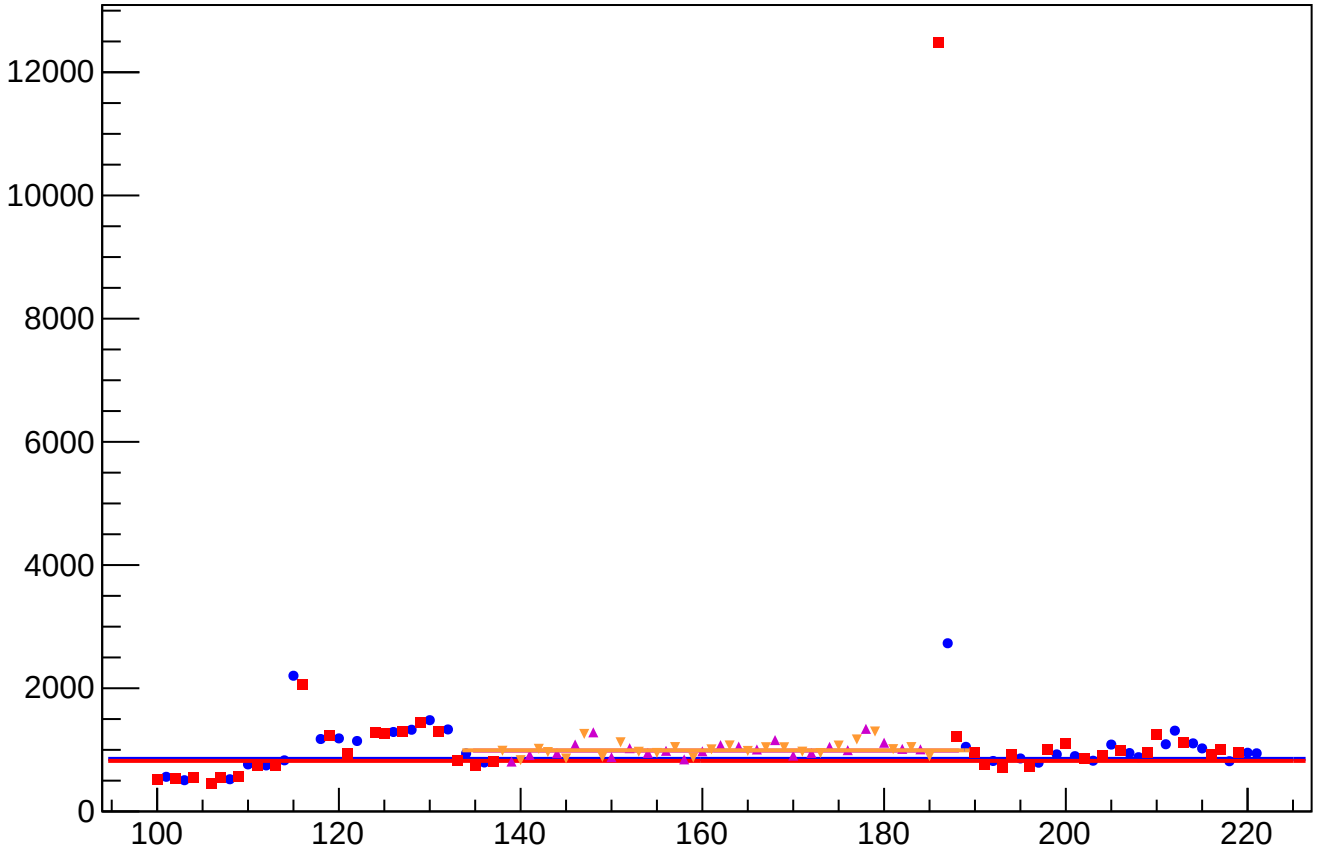
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 386.446+/-145.514 χ^2/NDF: 56.2/58

All: 429.342+/-103.051 χ^2/NDF: 172.2/118

\- sign 472.501+/-145.959 χ^2/NDF: 115.8/59

asym_sam5_rms vs Slug



Right In: 853.427+/-0.134 χ^2/NDF: 2875190.2/33

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

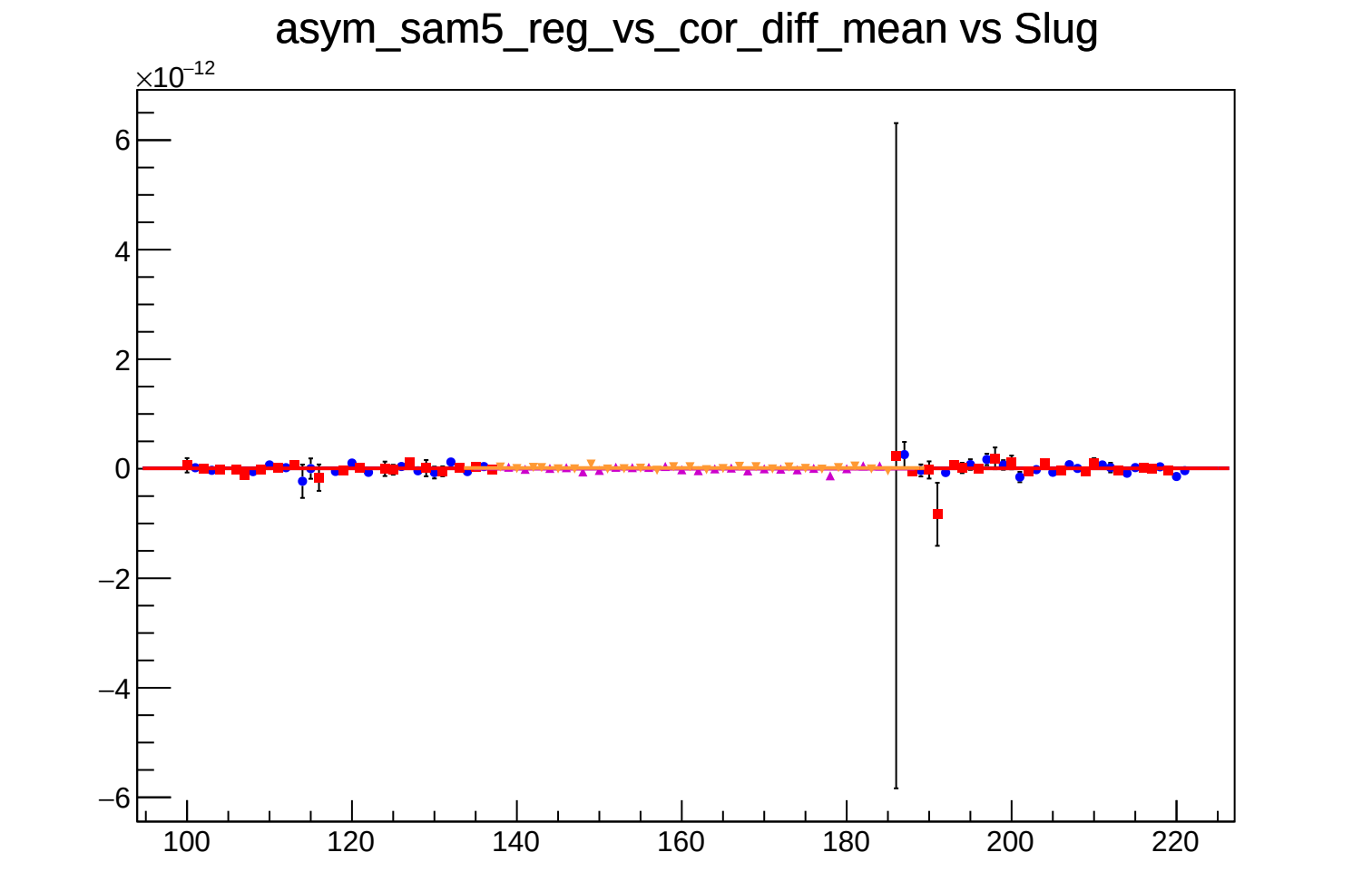
Right Out: 820.811+/-0.132 χ^2/NDF: 3925655.8/36

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 910.301+/-0.103 χ^2/NDF: 3741929.5/58

All: 898.349+/-0.073 χ^2/NDF: 8806399.8/118

- sign 886.323+/-0.103 χ^2/NDF: 5037400.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

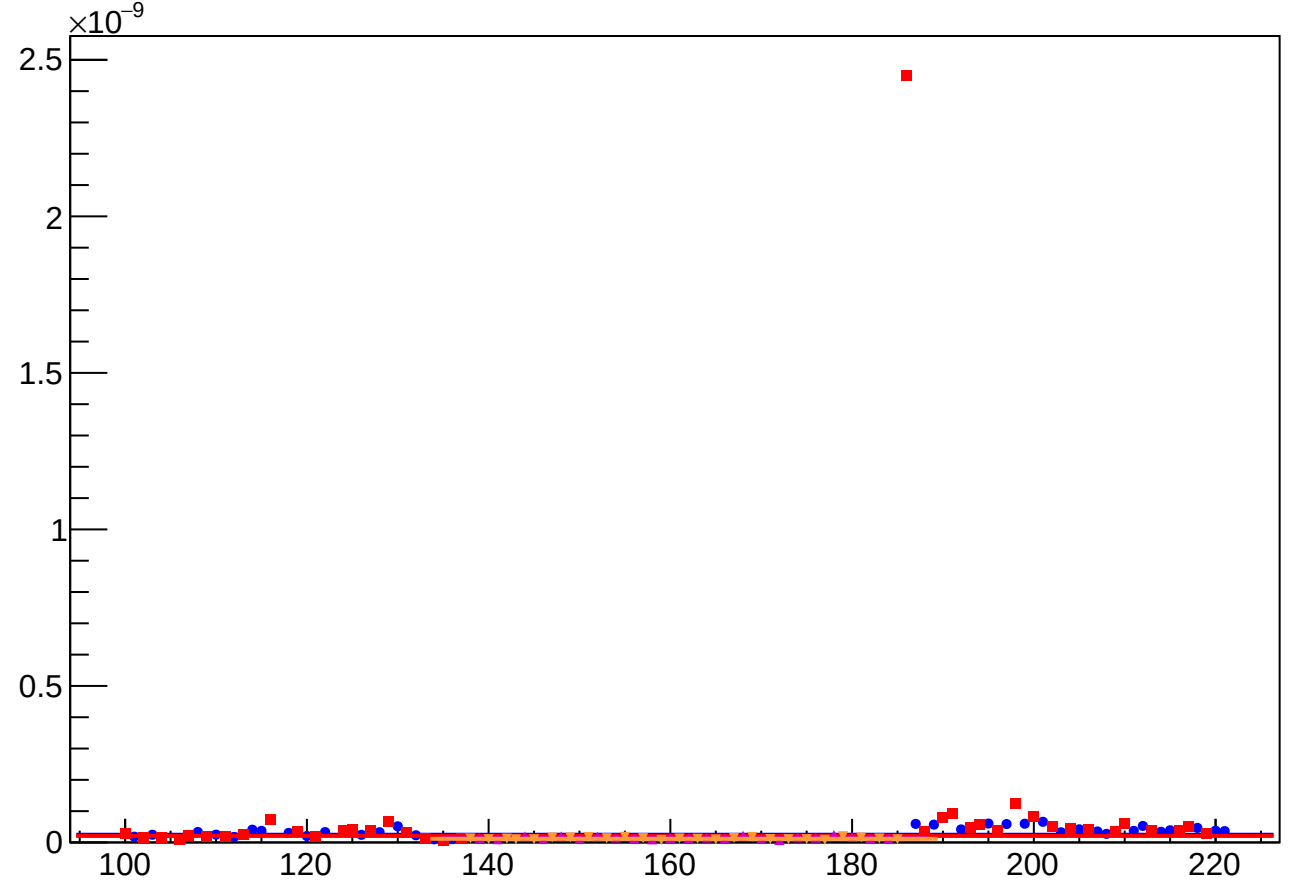
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/36

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

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/58

All: 0.000+/-0.000 χ^2/NDF: 120.5/118

- sign 0.000+/-0.000 χ^2/NDF: 53.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 4700923.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7090911.6/36

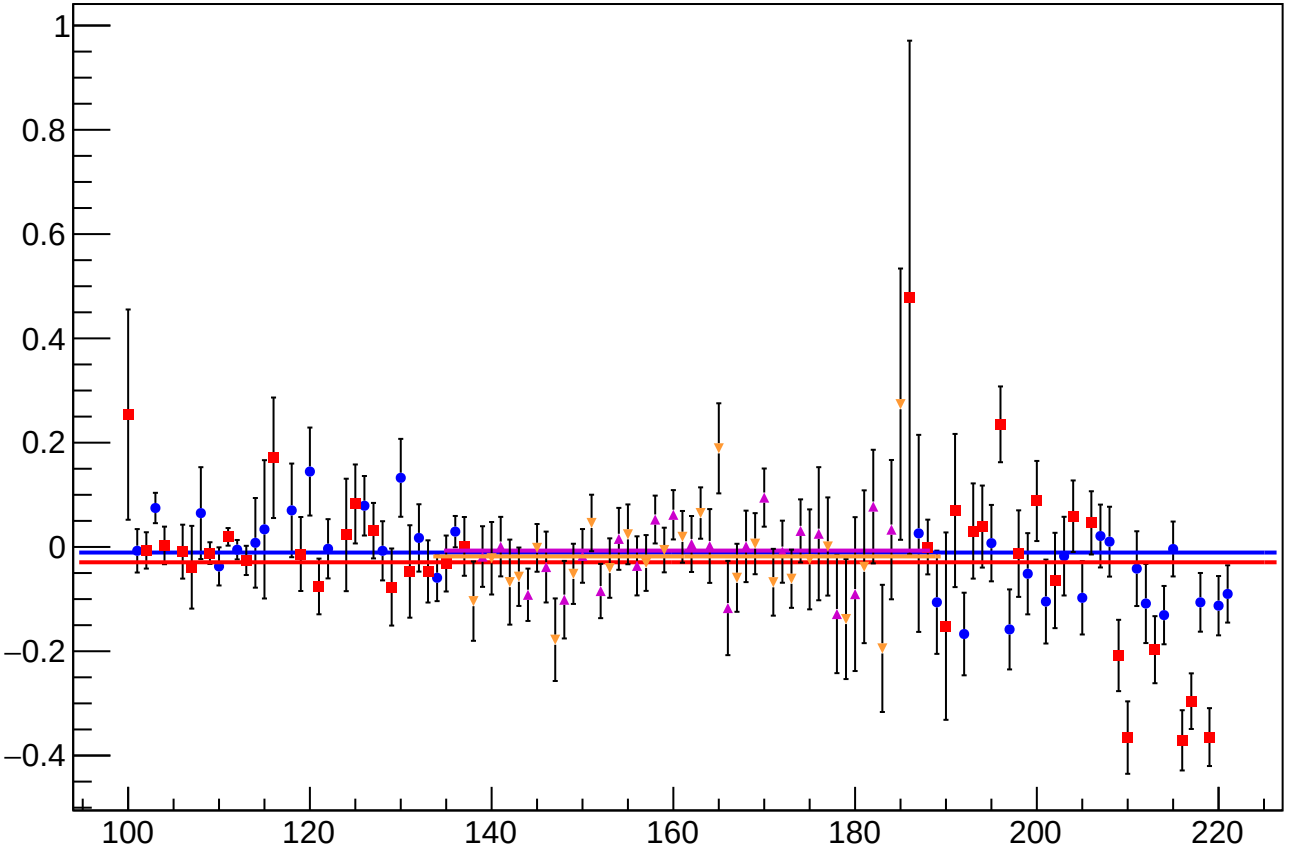
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8821062.6/58

All: 0.000+/-0.000 χ^2/NDF: 17967908.4/118

- sign 0.000+/-0.000 χ^2/NDF: 9078442.6/59

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

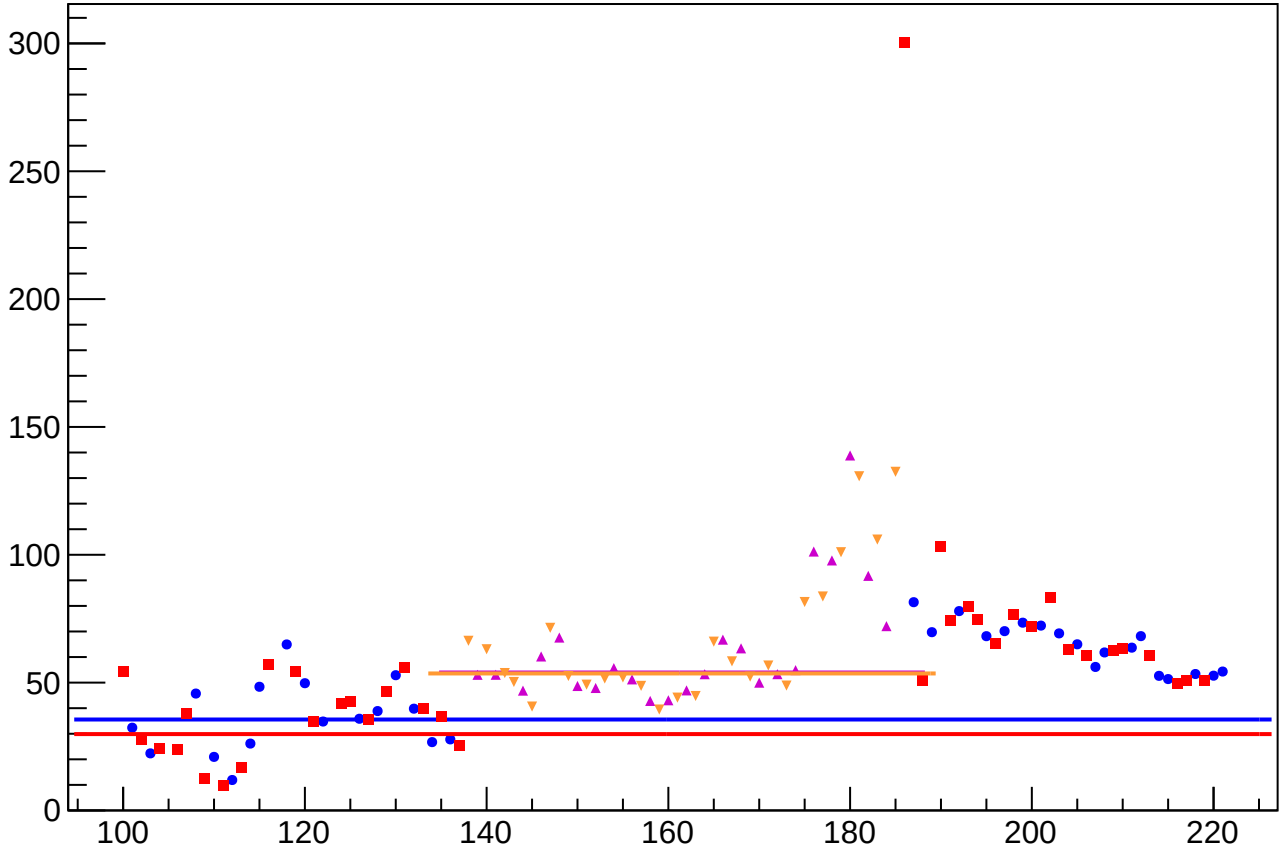
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.018+/-0.005 χ^2/NDF: 273.5/118

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 35.572+/-0.006 χ^2/NDF: 10212685.9/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

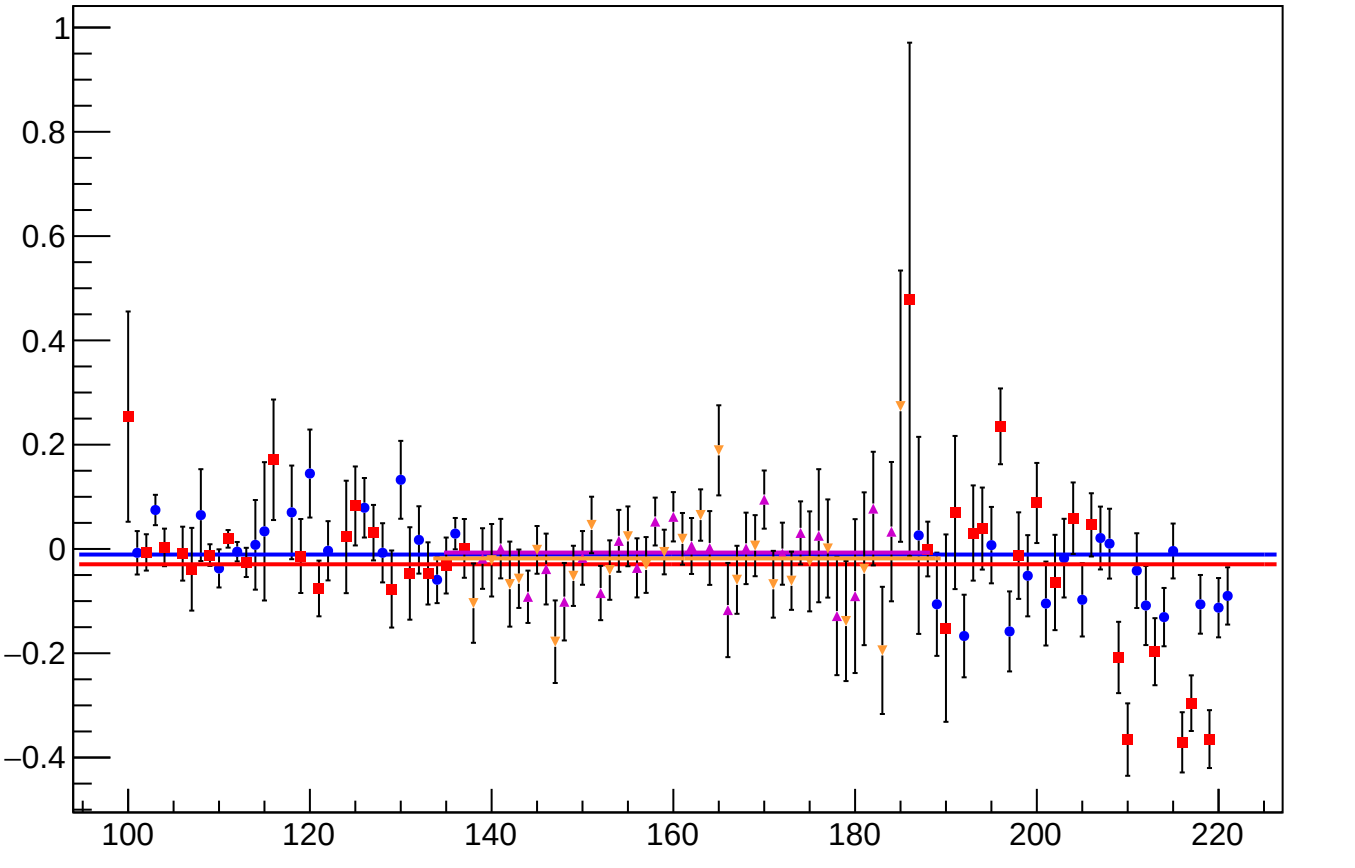
Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 41.397+/-0.005 χ^2/NDF: 15533806.4/58

All: 38.804+/-0.004 χ^2/NDF: 36820589.4/118

- sign 36.470+/-0.005 χ^2/NDF: 20804738.9/59



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

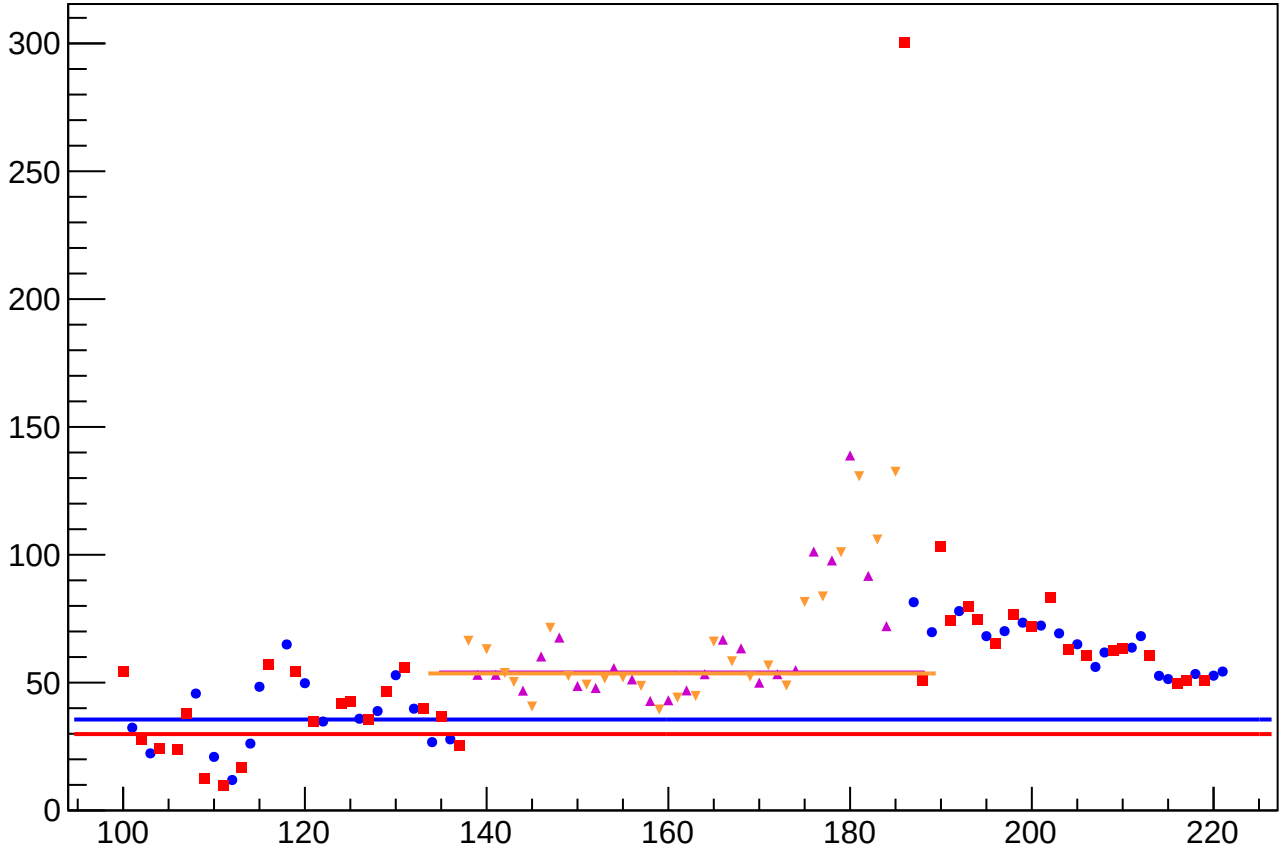
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.018+/-0.005 χ^2/NDF: 273.5/118

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.572+/-0.006 χ^2/NDF: 10212685.9/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

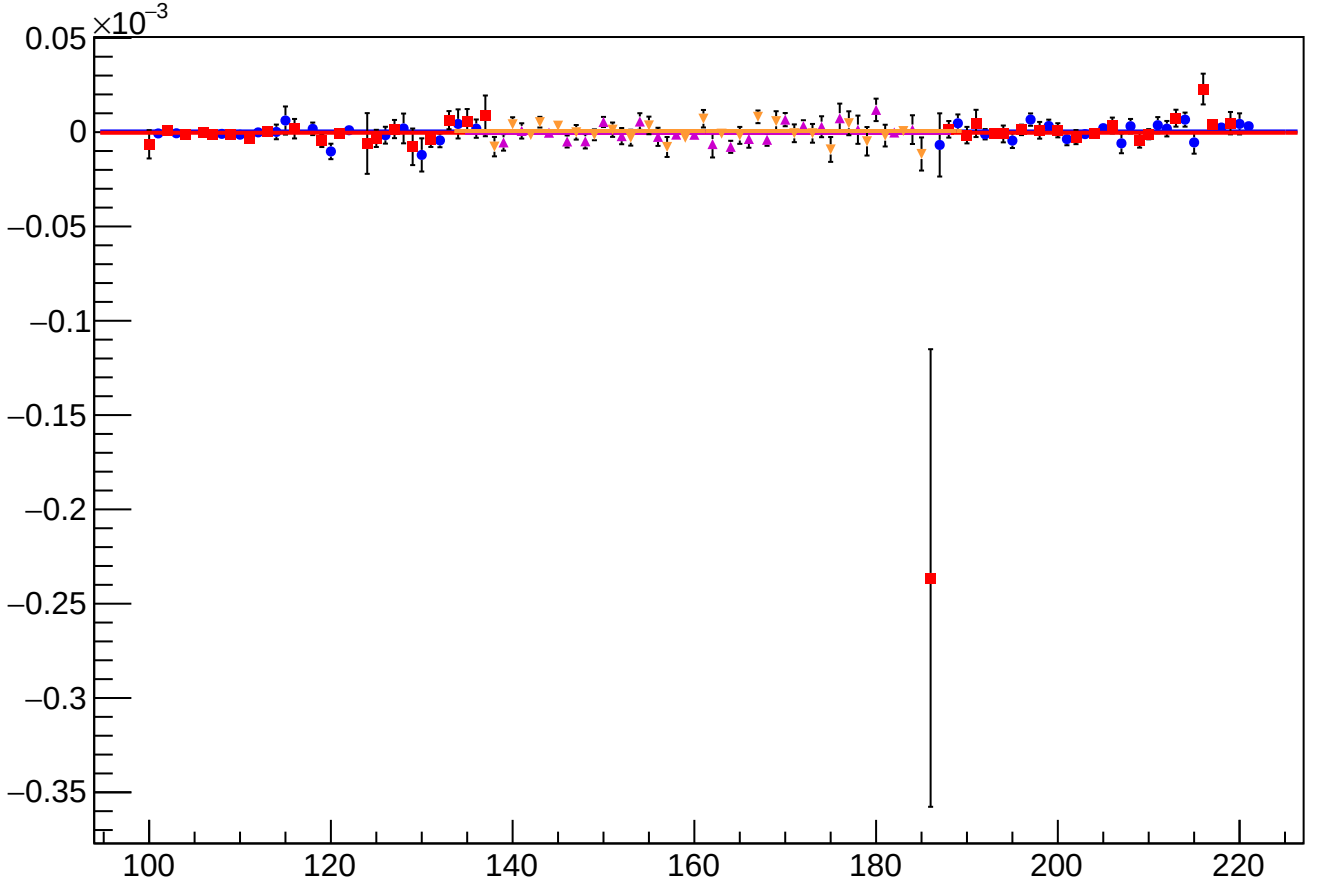
Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 41.397+/-0.005 χ^2/NDF: 15533806.4/58

All: 38.804+/-0.004 χ^2/NDF: 36820589.4/118

- sign 36.470+/-0.005 χ^2/NDF: 20804738.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/36

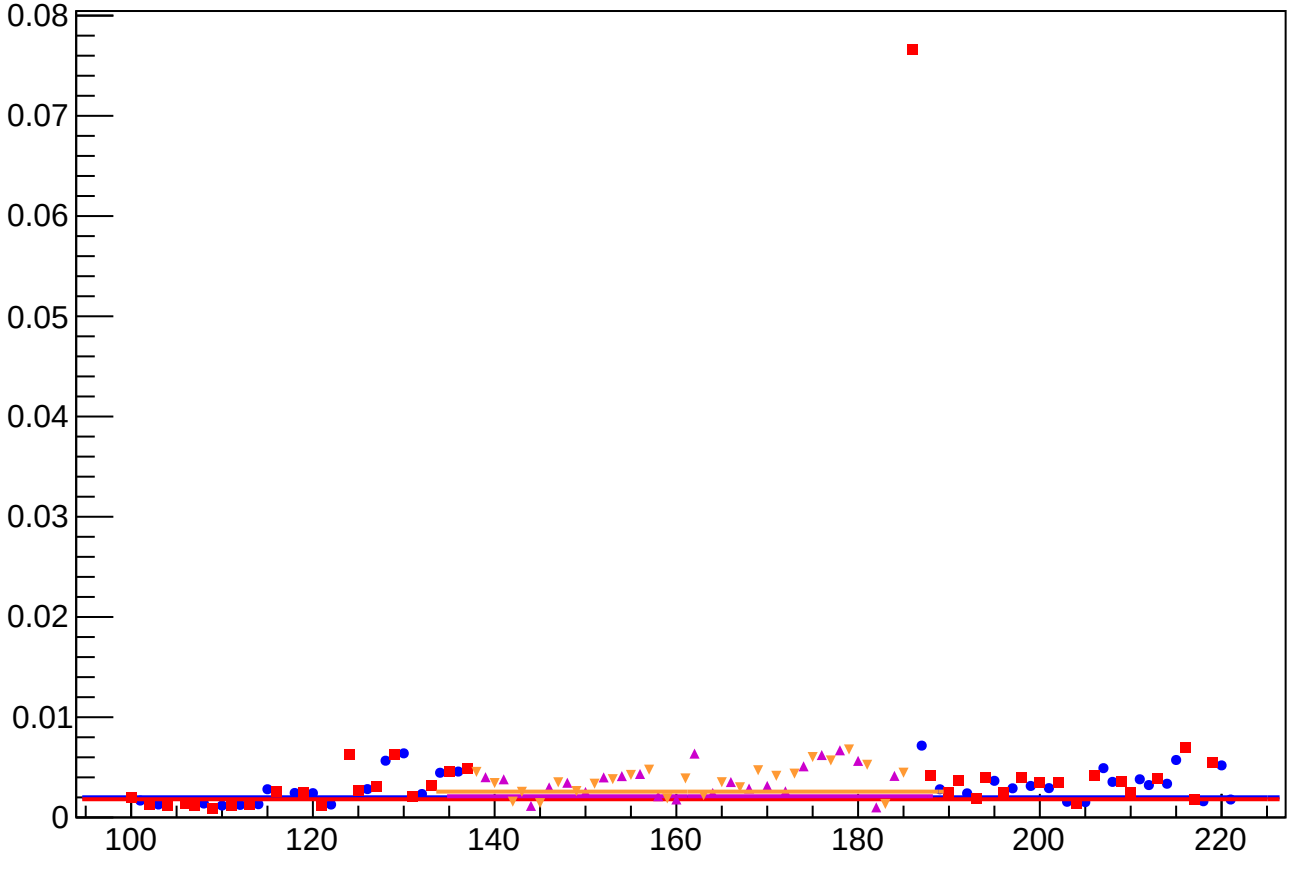
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.4/58

All: 0.000+/-0.000 χ^2/NDF: 135.7/118

- sign -0.000+/-0.000 χ^2/NDF: 68.1/59

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8143283.6/33

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10599142.3/36

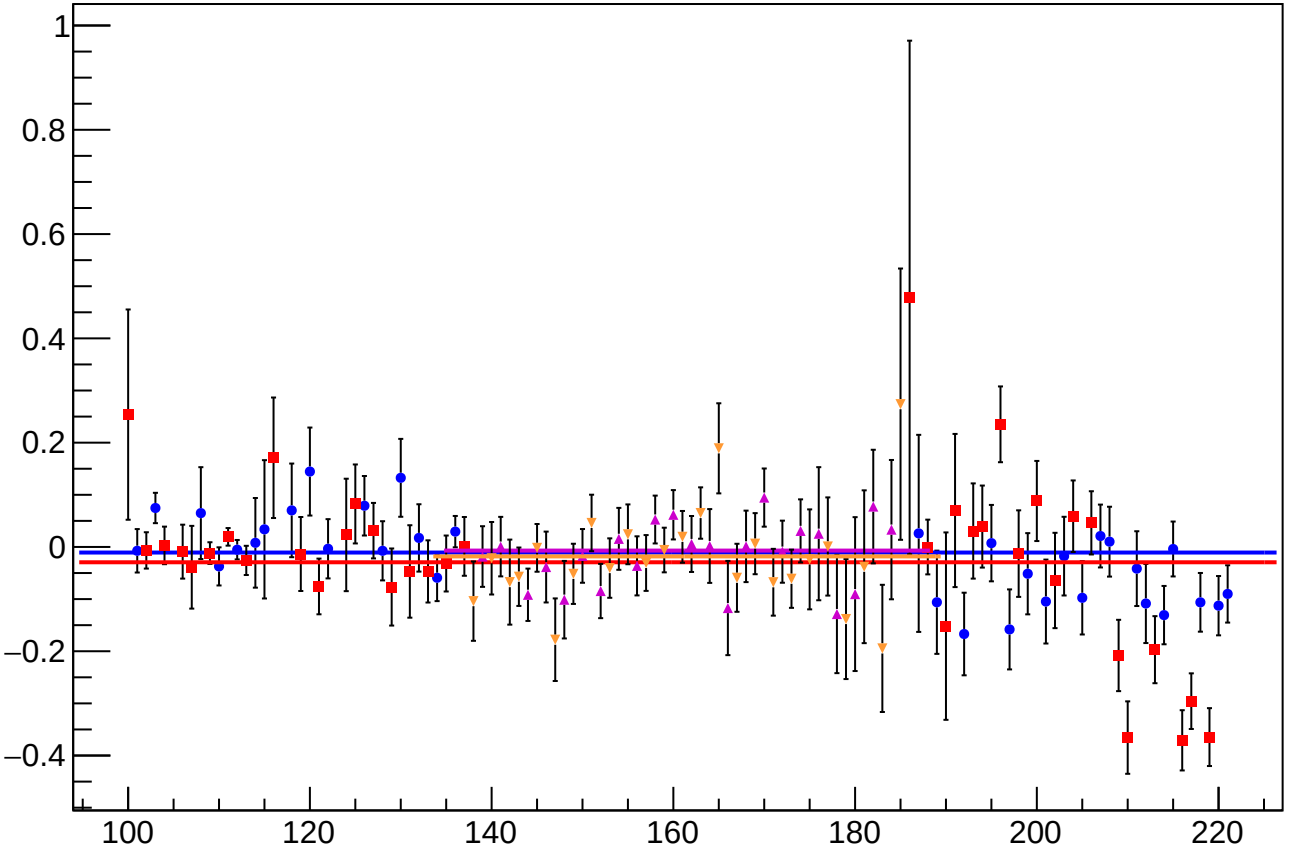
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 16192333.4/58

All: 0.002+/-0.000 χ^2/NDF: 37141610.0/118

- sign 0.002+/-0.000 χ^2/NDF: 20402932.4/59

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

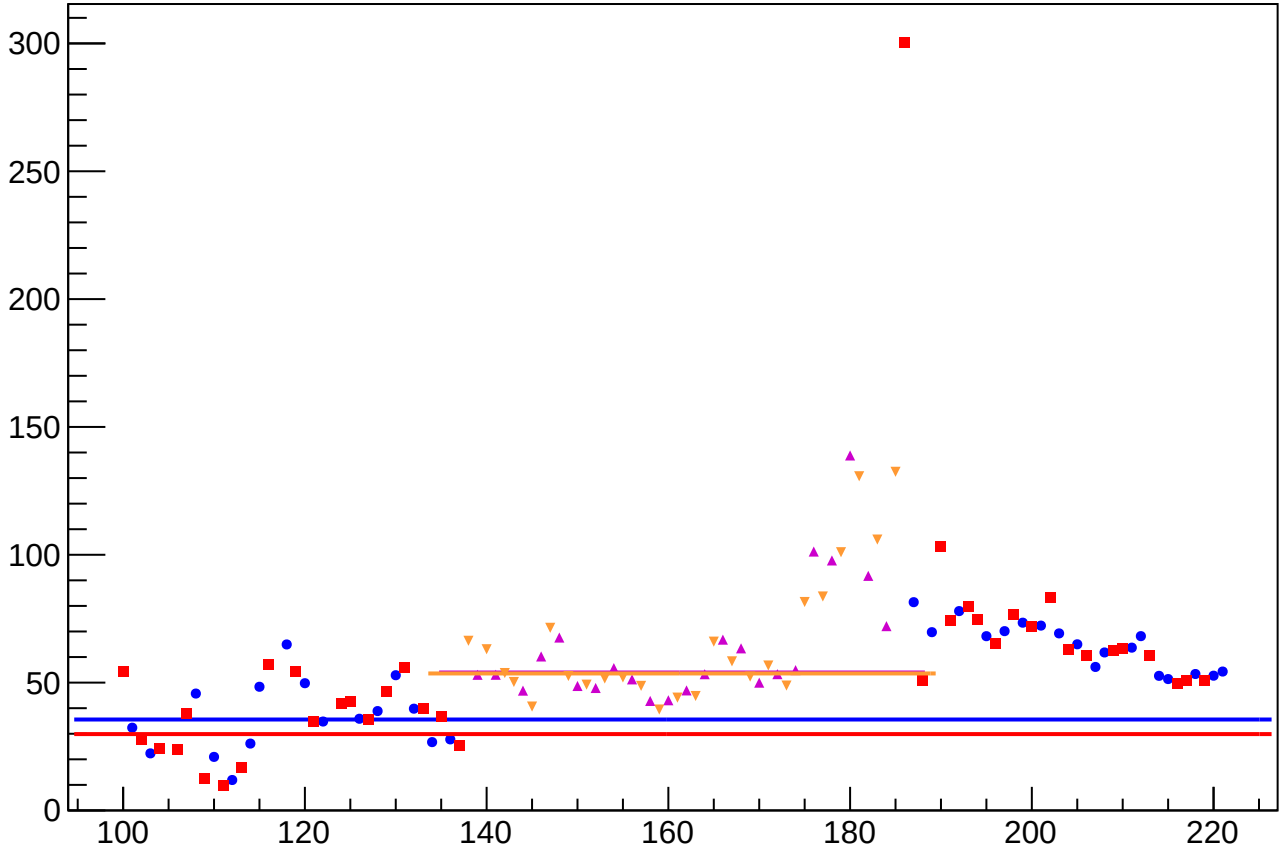
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.018+/-0.005 χ^2/NDF: 273.5/118

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.571+/-0.006 χ^2/NDF: 10212843.0/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

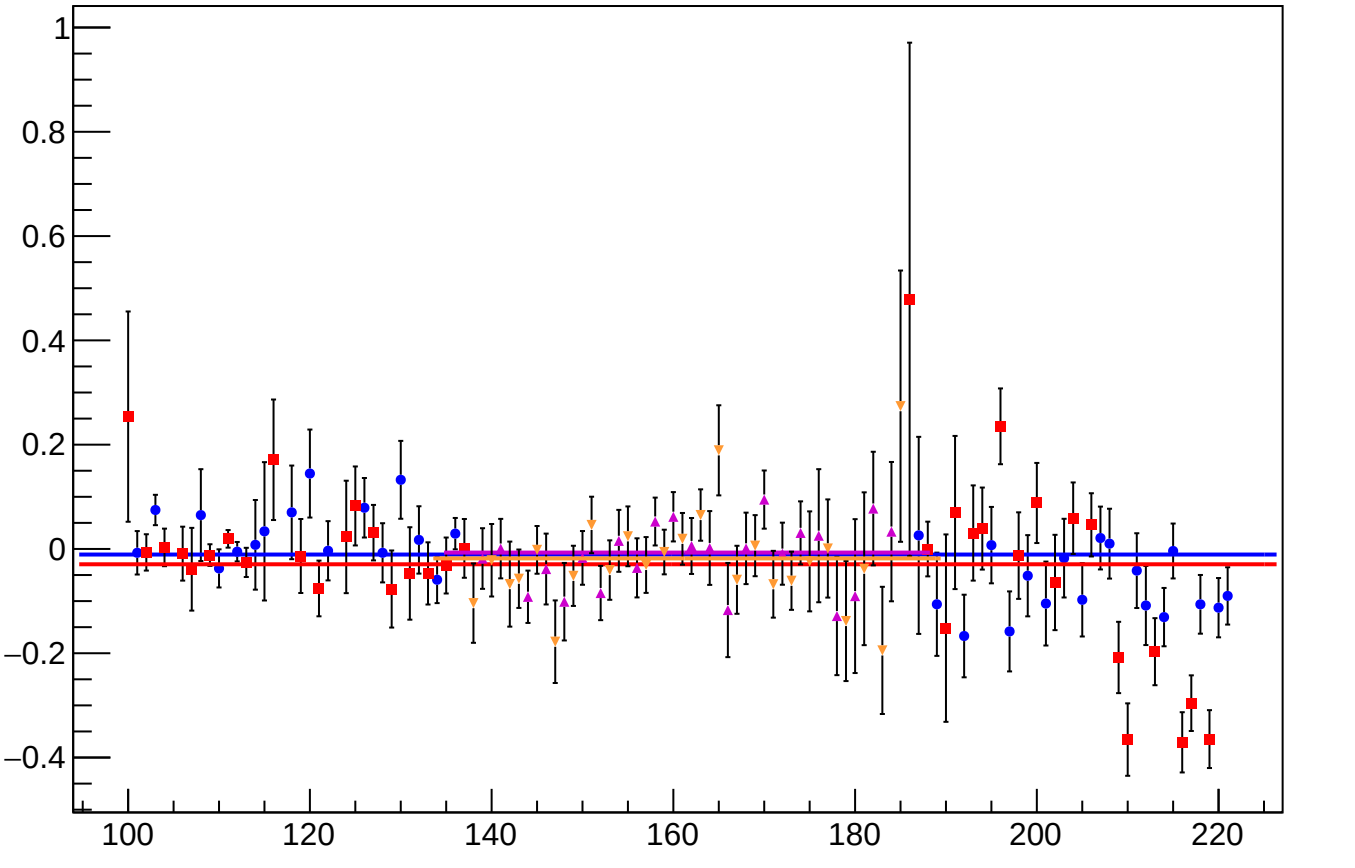
Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 41.396+/-0.005 χ^2/NDF: 15534313.6/58

All: 38.803+/-0.004 χ^2/NDF: 36821833.9/118

- sign 36.470+/-0.005 χ^2/NDF: 20805437.6/59



Right In: -0.011+/-0.009 χ^2/NDF: 50.4/33

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

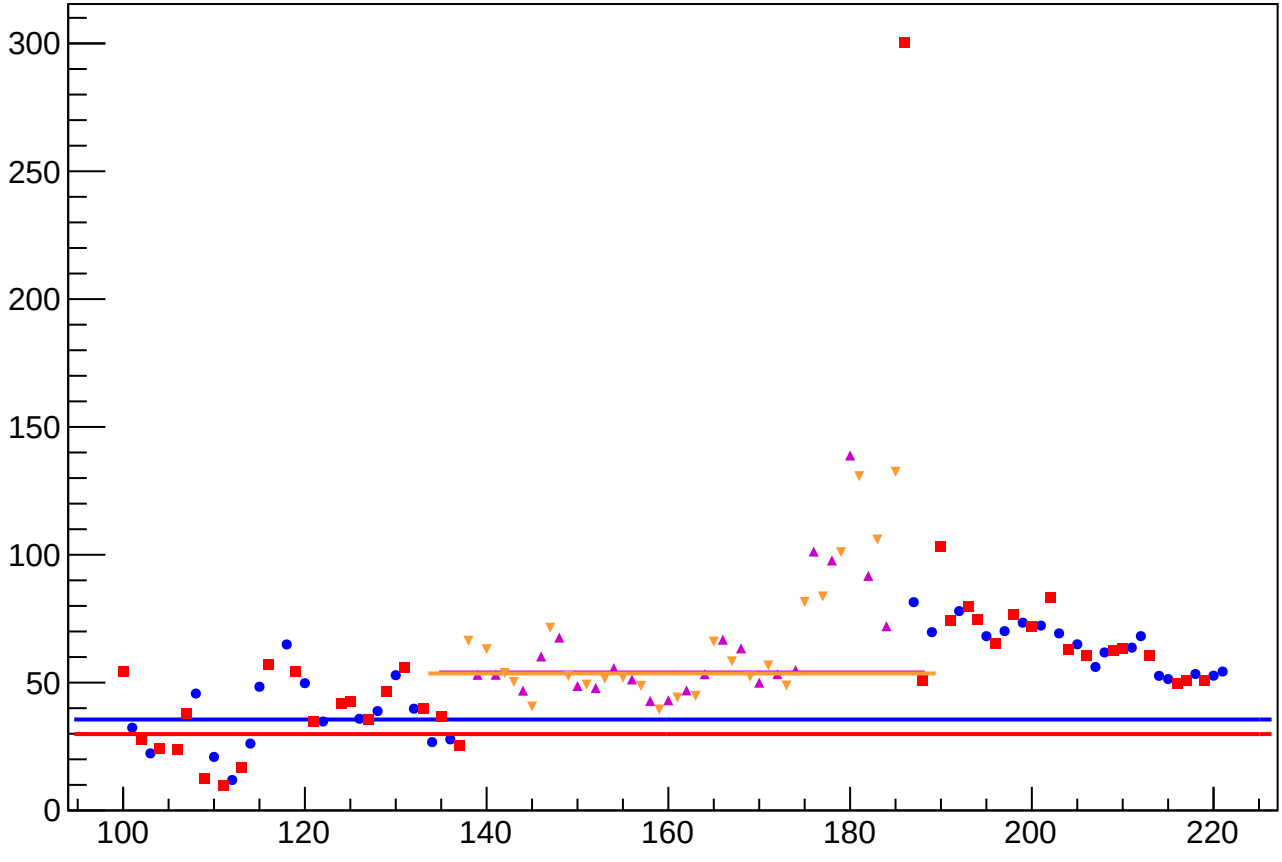
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.013+/-0.007 χ^2/NDF: 75.0/58

All: -0.018+/-0.005 χ^2/NDF: 273.5/118

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.571+/-0.006 χ^2/NDF: 10212843.0/33

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

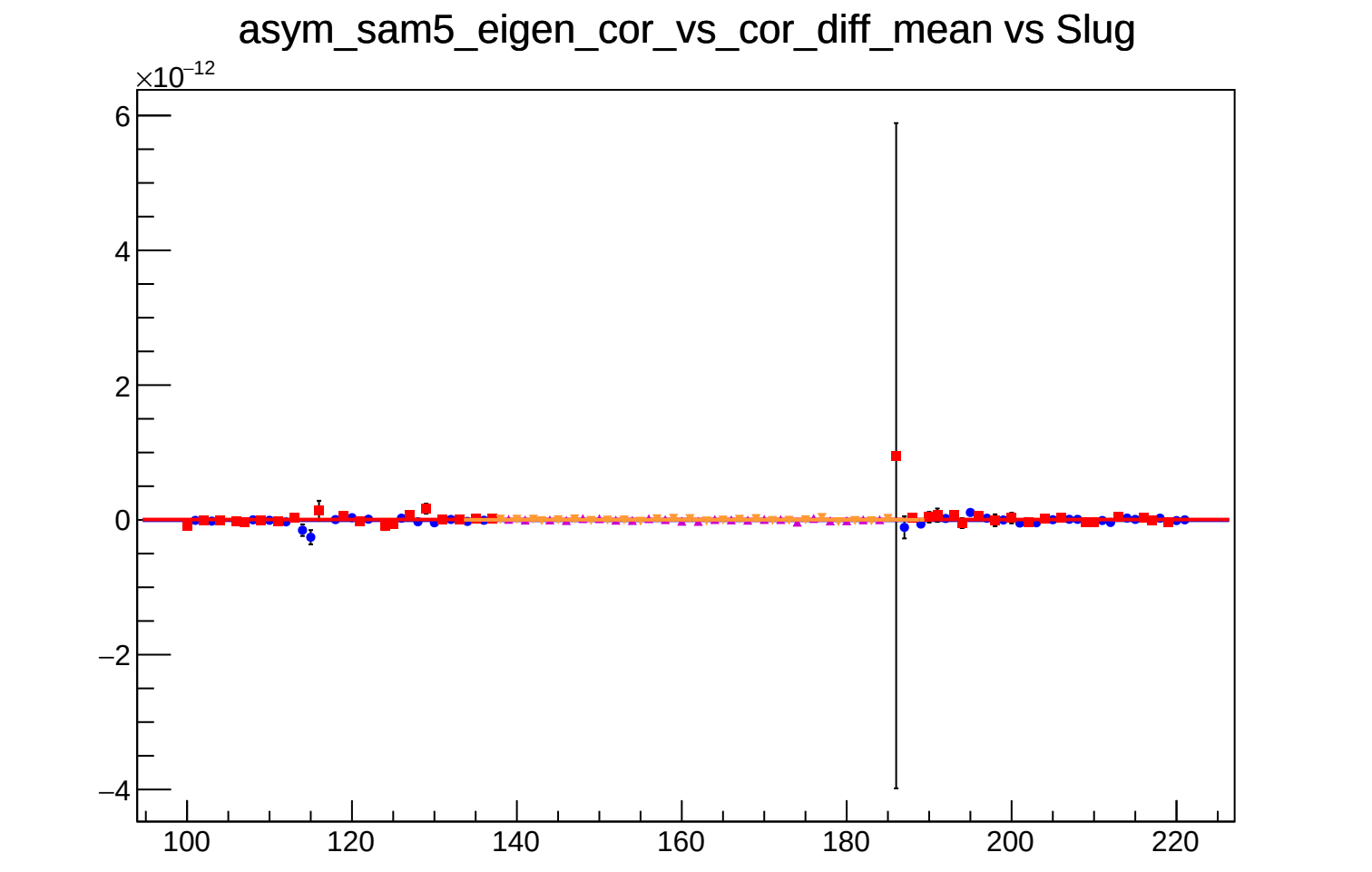
Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 41.396+/-0.005 χ^2/NDF: 15534313.6/58

All: 38.803+/-0.004 χ^2/NDF: 36821833.9/118

- sign 36.470+/-0.005 χ^2/NDF: 20805437.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

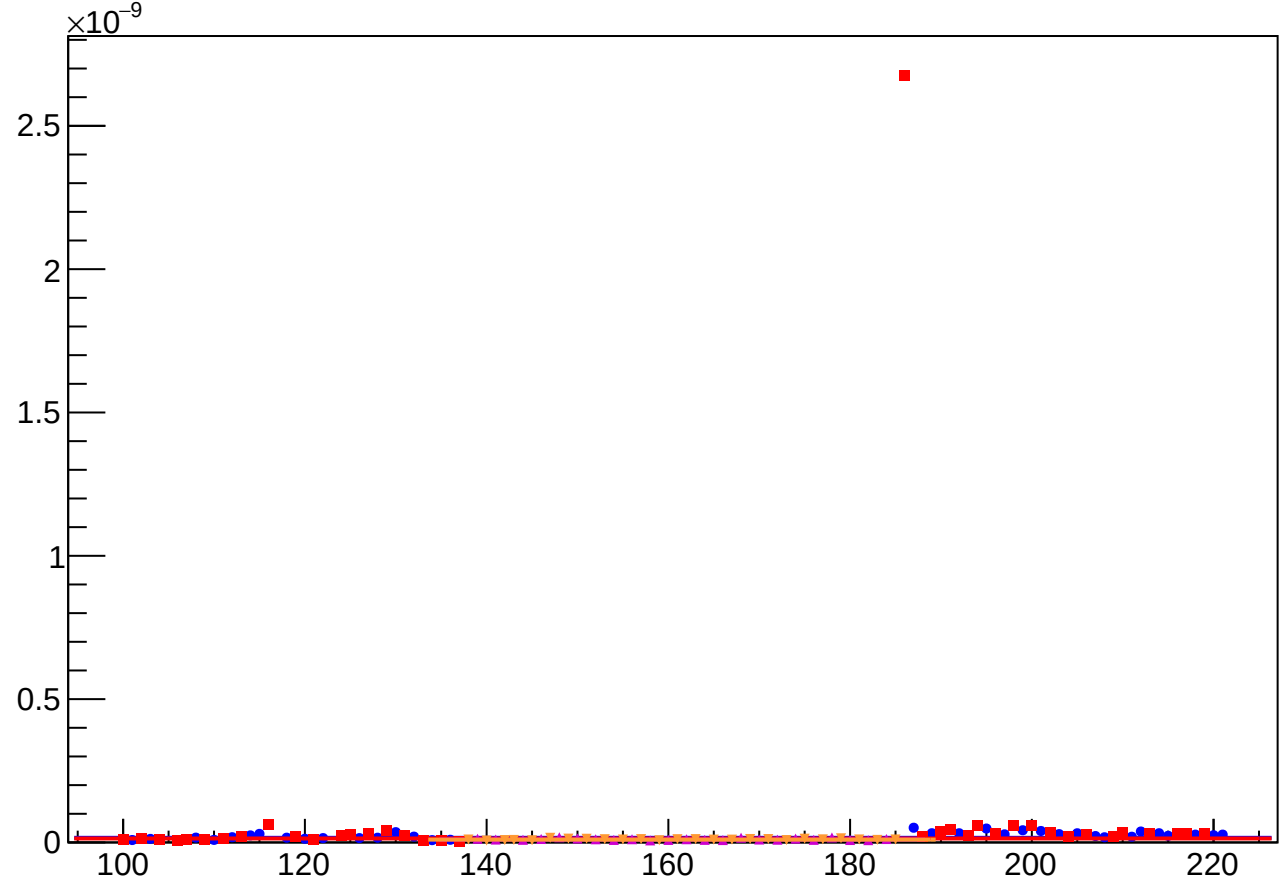
Right Out: 0.000+/-0.000 χ^2/NDF: 41.3/36

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/58

All: 0.000+/-0.000 χ^2/NDF: 114.1/118

- sign 0.000+/-0.000 χ^2/NDF: 60.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 6690267.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10191052.7/36

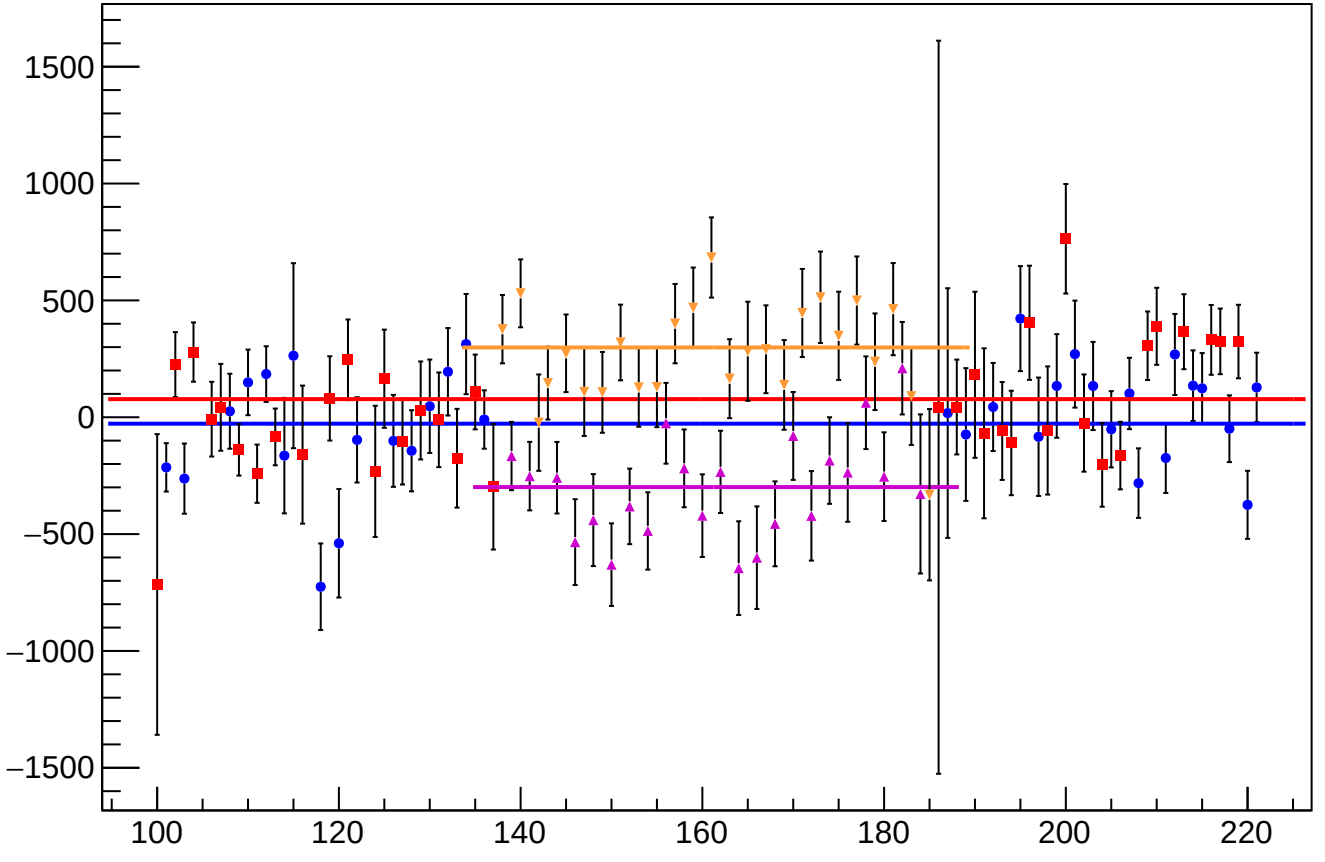
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10423833.6/58

All: 0.000+/-0.000 χ^2/NDF: 22819063.1/118

- sign 0.000+/-0.000 χ^2/NDF: 12392265.8/59

reg_asym_sam6_mean vs Slug



Right In: -27.622+/-29.155 χ^2/NDF: 59.0/33

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 77.512+/-29.443 χ^2/NDF: 60.5/36

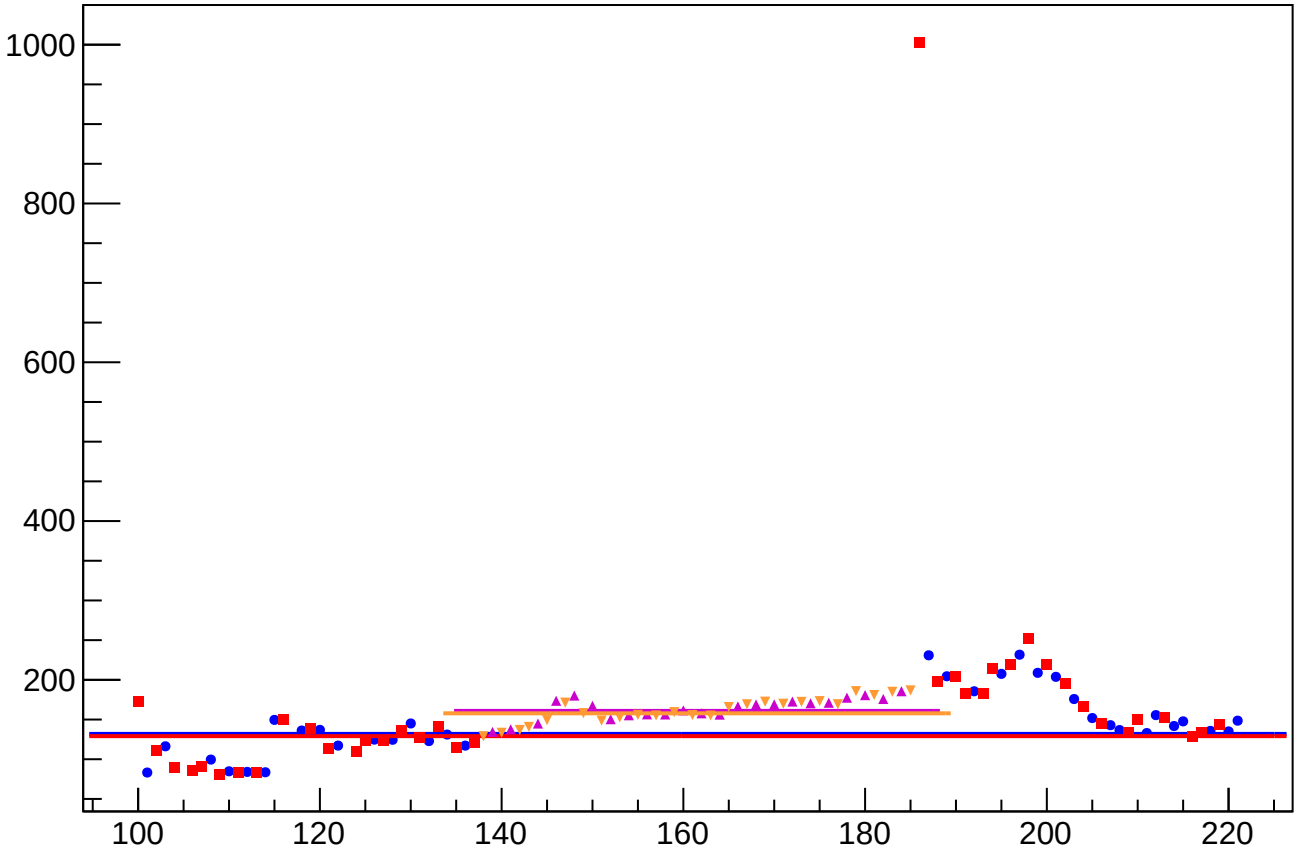
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 101.341+/-22.670 χ^2/NDF: 134.4/58

All: 20.191+/-16.218 χ^2/NDF: 312.4/118

- sign -64.880+/-23.211 χ^2/NDF: 151.7/59

reg_asym_sam6_rms vs Slug



Right In: 131.909+/-0.021 χ^2/NDF: 2818646.3/33

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.086+/-0.021 χ^2/NDF: 4268901.9/36

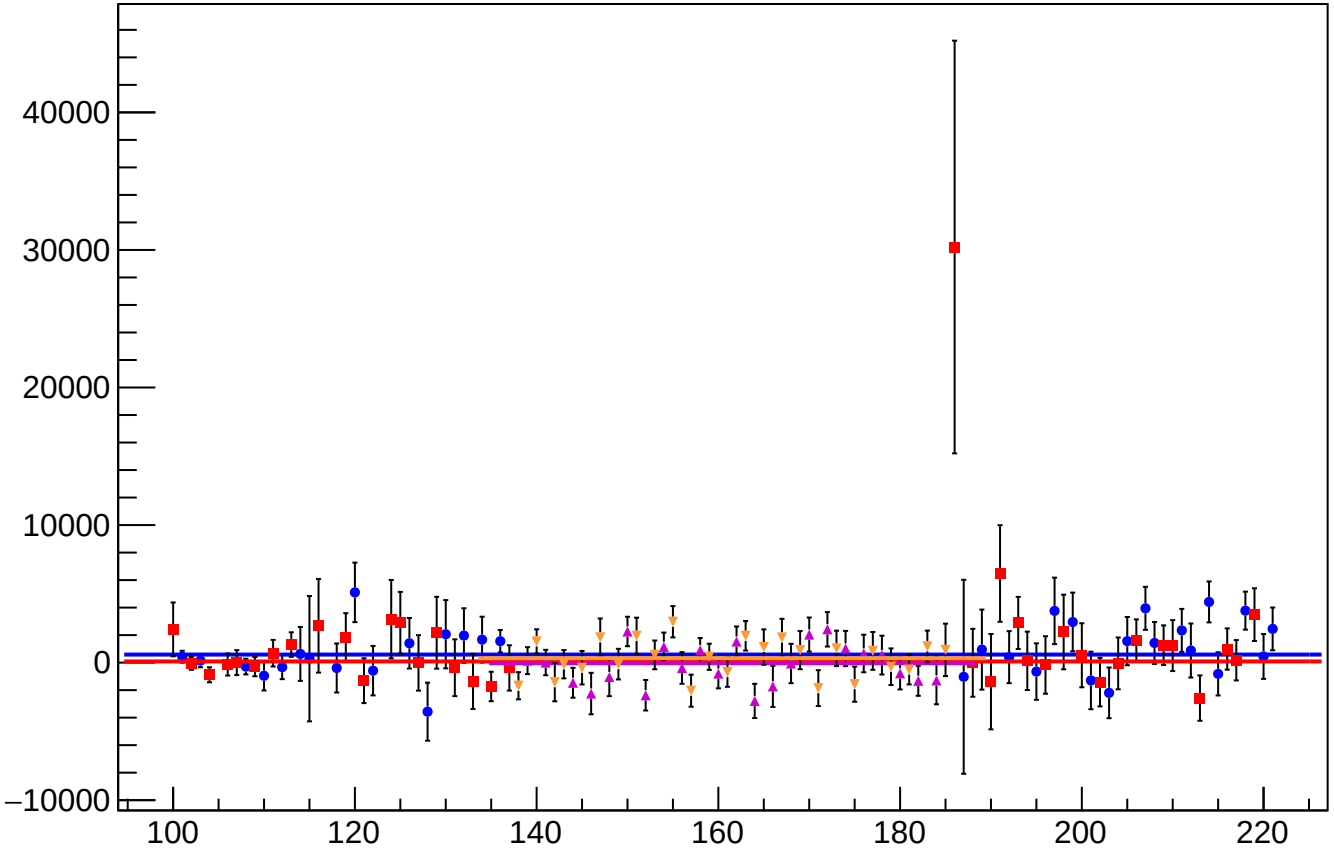
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.161+/-0.016 χ^2/NDF: 3821280.3/58

All: 141.652+/-0.011 χ^2/NDF: 9243063.5/118

- sign 141.118+/-0.016 χ^2/NDF: 5419716.1/59

asym_sam6_reg_correction_mean vs Slug



Right In: 584.728+/-202.559 χ^2/NDF: 45.6/33

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 85.696+/-207.149 χ^2/NDF: 35.9/36

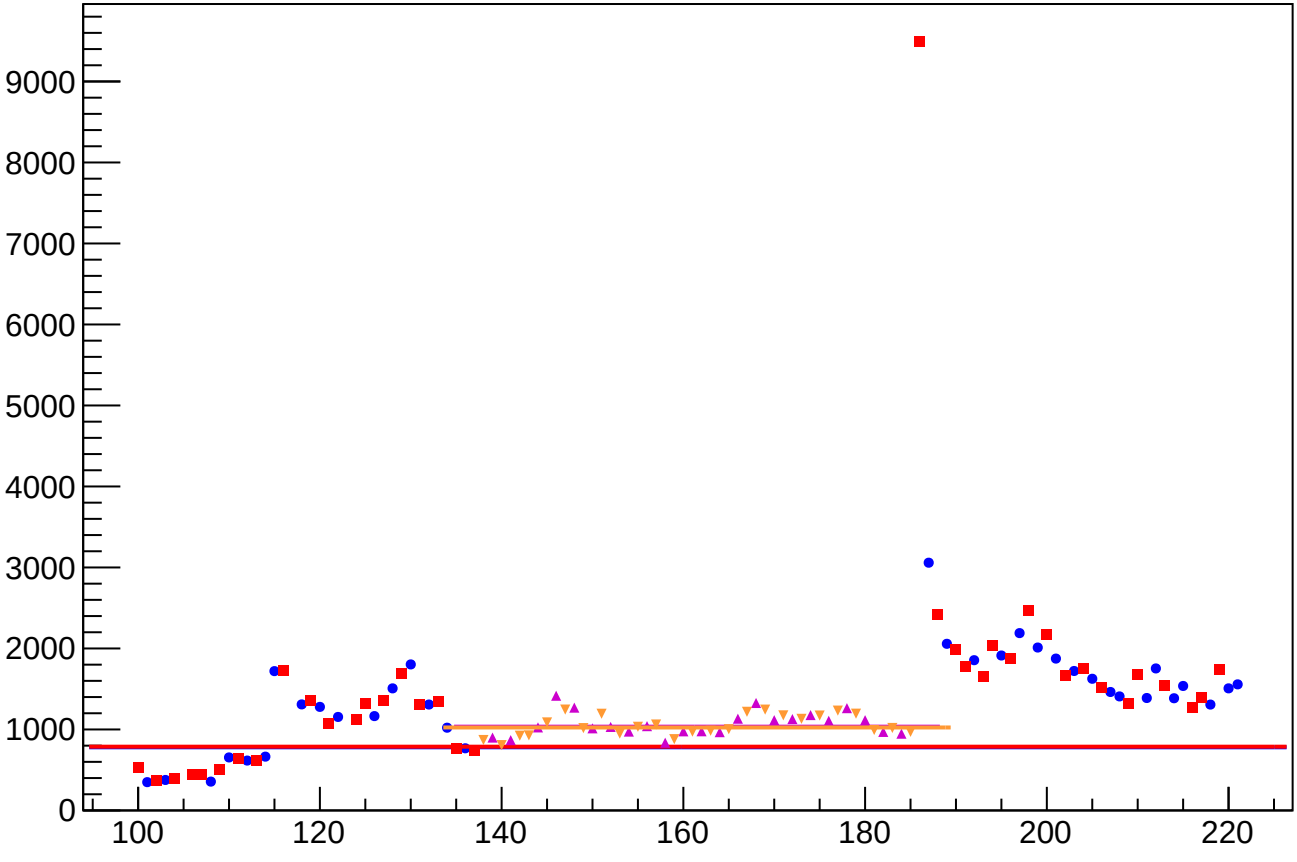
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 471.908+/-153.453 χ^2/NDF: 78.8/58

All: 259.007+/-110.065 χ^2/NDF: 153.6/118

- sign 33.422+/-157.957 χ^2/NDF: 70.8/59

asym_sam6_reg_correction_rms vs Slug



Right In: 779.761+/-0.143 χ^2/NDF: 14112801.3/33

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 787.279+/-0.146 χ^2/NDF: 13741708.3/36

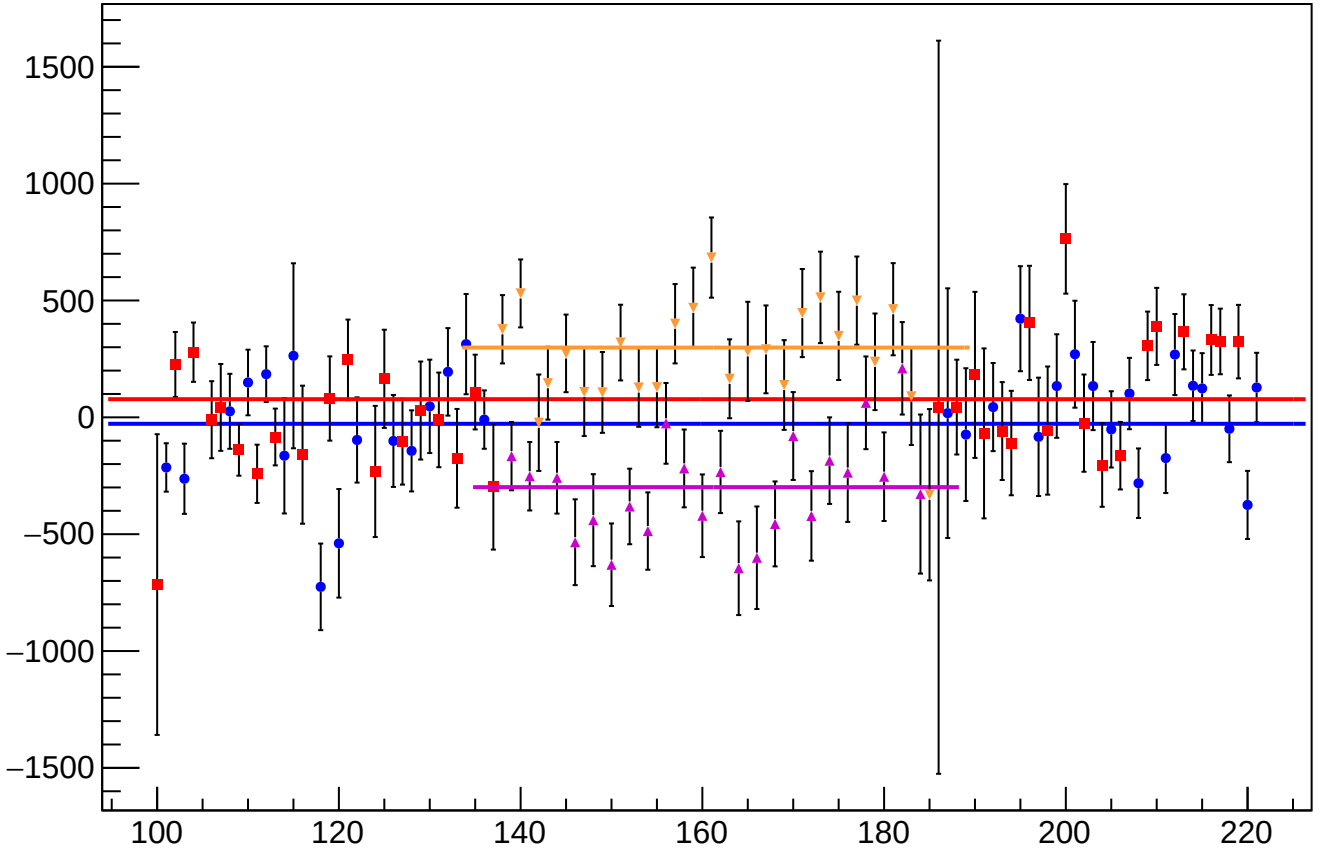
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 884.039+/-0.109 χ^2/NDF: 15954399.2/58

All: 887.284+/-0.078 χ^2/NDF: 31518015.2/11

- sign 890.722+/-0.112 χ^2/NDF: 15561774.2/59

cor_asym_sam6_mean vs Slug



Right In: -27.633+/-29.155 χ^2/NDF: 59.0/33

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 77.645+/-29.473 χ^2/NDF: 60.5/36

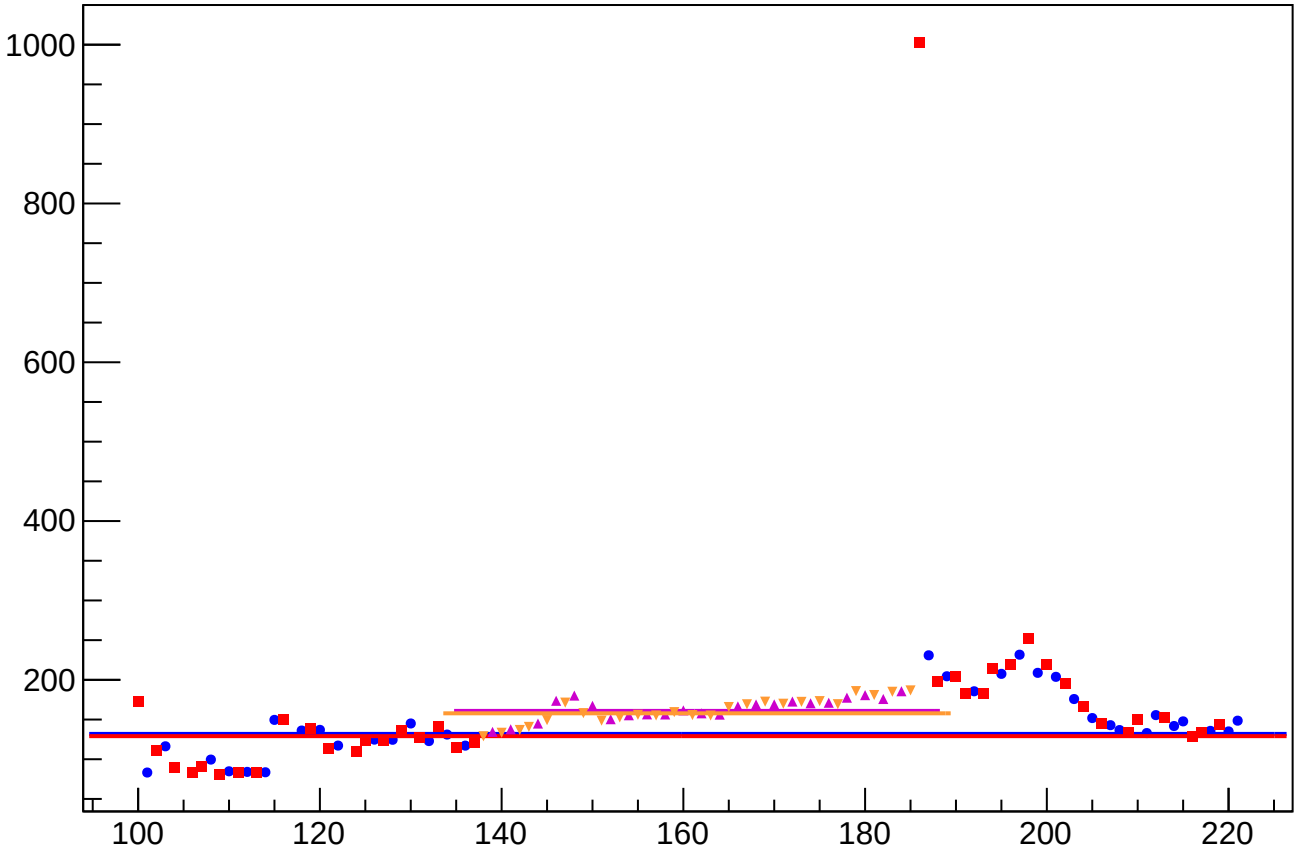
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 101.335+/-22.670 χ^2/NDF: 134.4/58

All: 20.190+/-16.223 χ^2/NDF: 312.4/118

- sign -64.984+/-23.226 χ^2/NDF: 151.7/59

cor_asym_sam6_rms vs Slug



Right In: 131.909+/-0.021 χ^2/NDF: 2818644.0/33

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

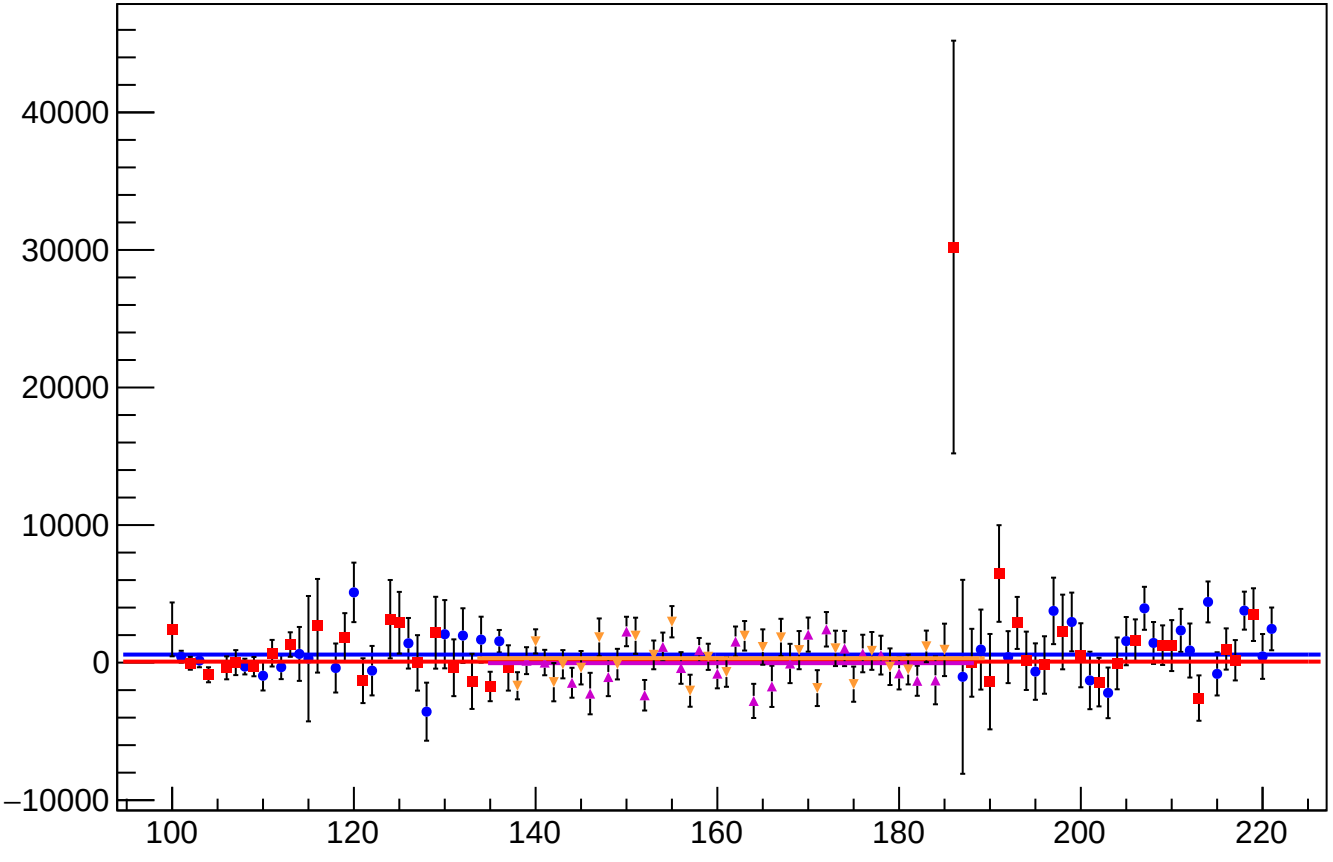
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.161+/-0.016 χ^2/NDF: 3821276.2/58

All: 141.656+/-0.011 χ^2/NDF: 9254826.8/118

- sign 141.126+/-0.016 χ^2/NDF: 5431518.0/59

asym_sam6_cor_correction_mean vs Slug



Right In: 584.823+/-202.555 χ^2/NDF: 45.6/33

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.289+/-207.593 χ^2/NDF: 36.1/36

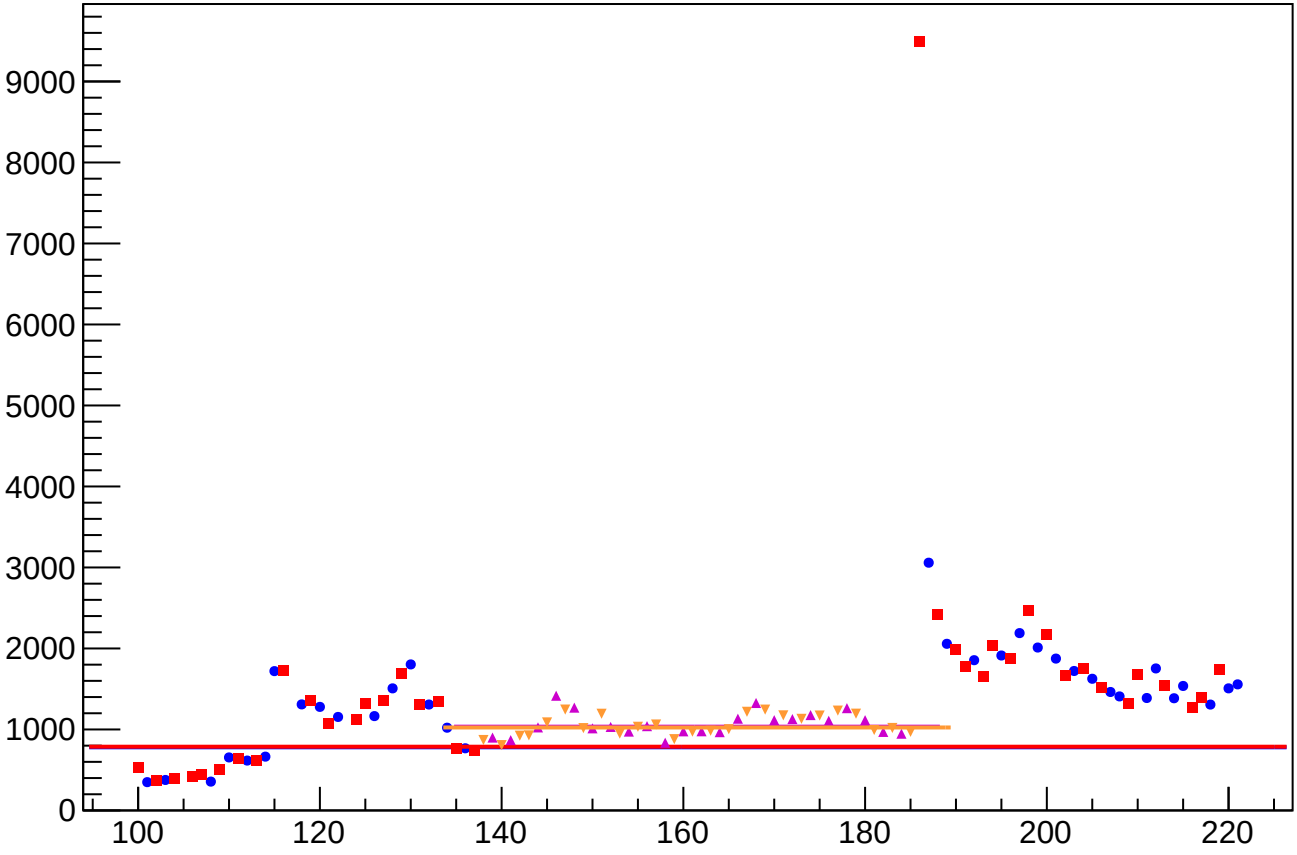
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 471.968+/-153.450 χ^2/NDF: 78.8/58

All: 255.477+/-110.131 χ^2/NDF: 153.9/118

- sign 25.510+/-158.154 χ^2/NDF: 71.0/59

asym_sam6_cor_correction_rms vs Slug



Right In: 779.733+/-0.143 χ^2/NDF: 14113533.5/33

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

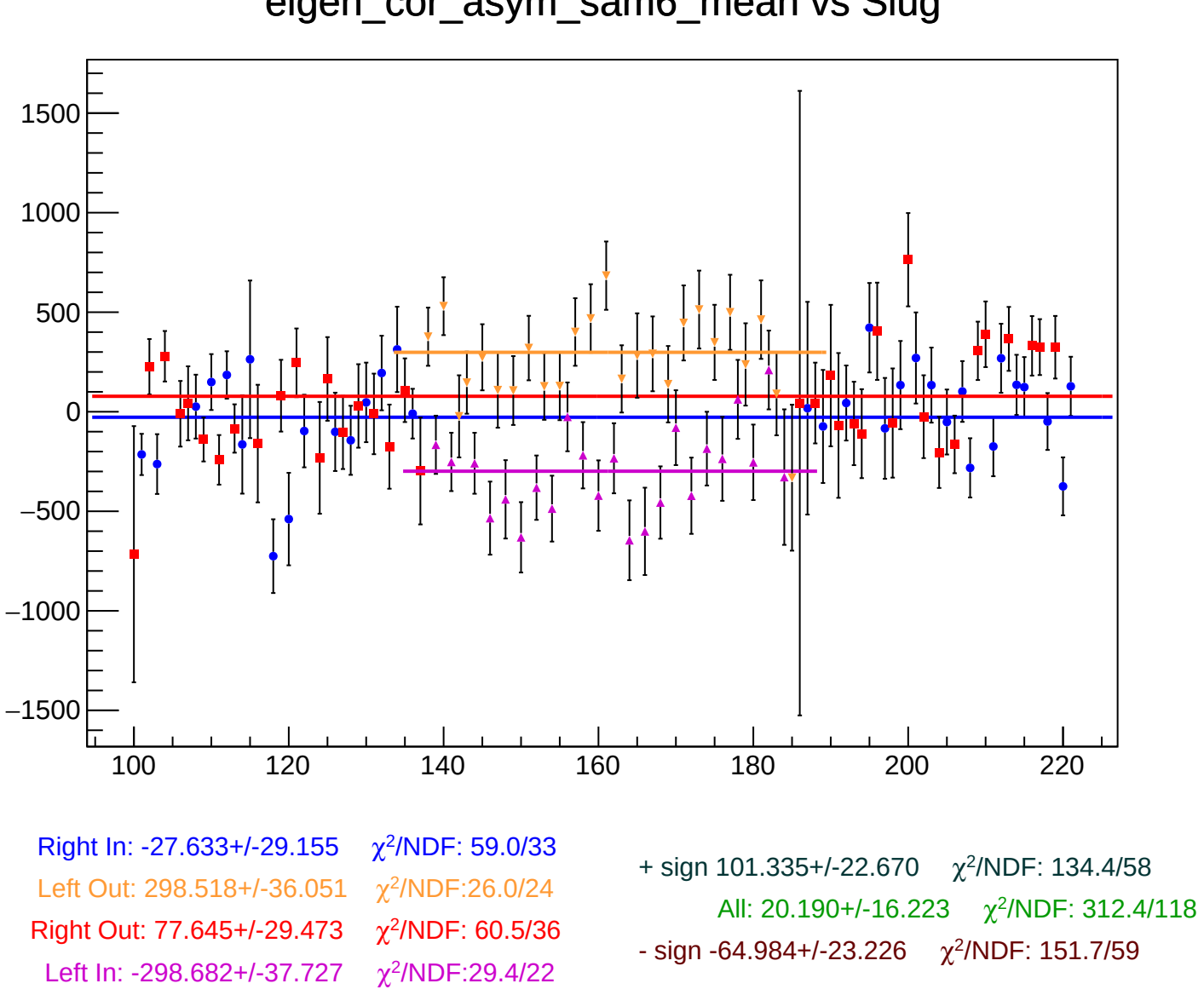
Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

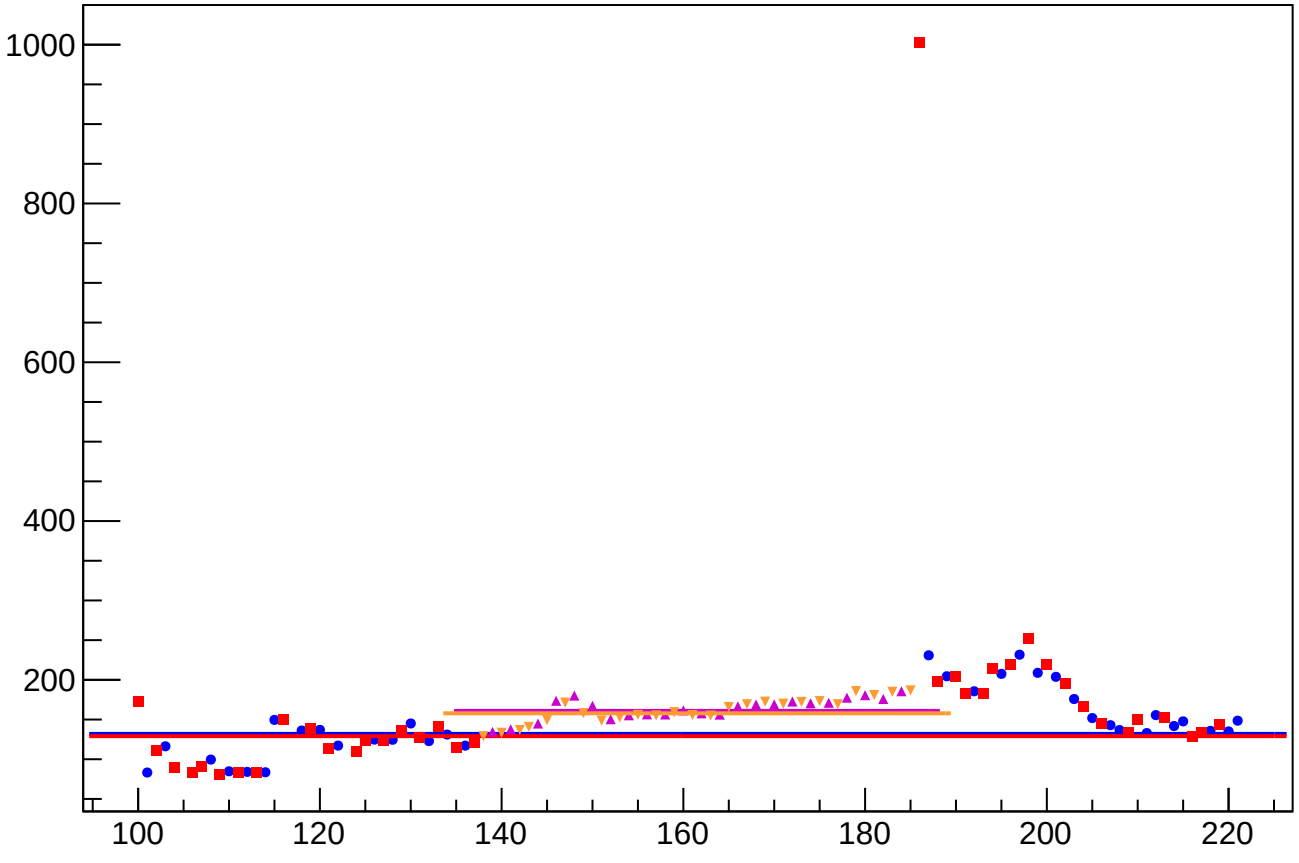
+ sign 884.020+/-0.109 χ^2/NDF: 15955445.7/58

All: 887.314+/-0.078 χ^2/NDF: 31555616.5/11

- sign 890.813+/-0.112 χ^2/NDF: 15598270.1/59


eigen_cor_asym_sam6_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
220
Right In: -27.633+/-29.155 χ²/NDF: 59.0/33
Left Out: 298.518+/-36.051 χ²/NDF:26.0/24
Right Out: 77.645+/-29.473 χ²/NDF: 60.5/36
Left In: -298.682+/-37.727 χ²/NDF:29.4/22
+ sign 101.335+/-22.670 χ²/NDF: 134.4/58
All: 20.190+/-16.223 χ²/NDF: 312.4/118
- sign -64.984+/-23.226 χ²/NDF: 151.7/59

eigen_cor_asym_sam6_rms vs Slug



Right In: 131.909+/-0.021 χ^2/NDF: 2818644.0/33

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

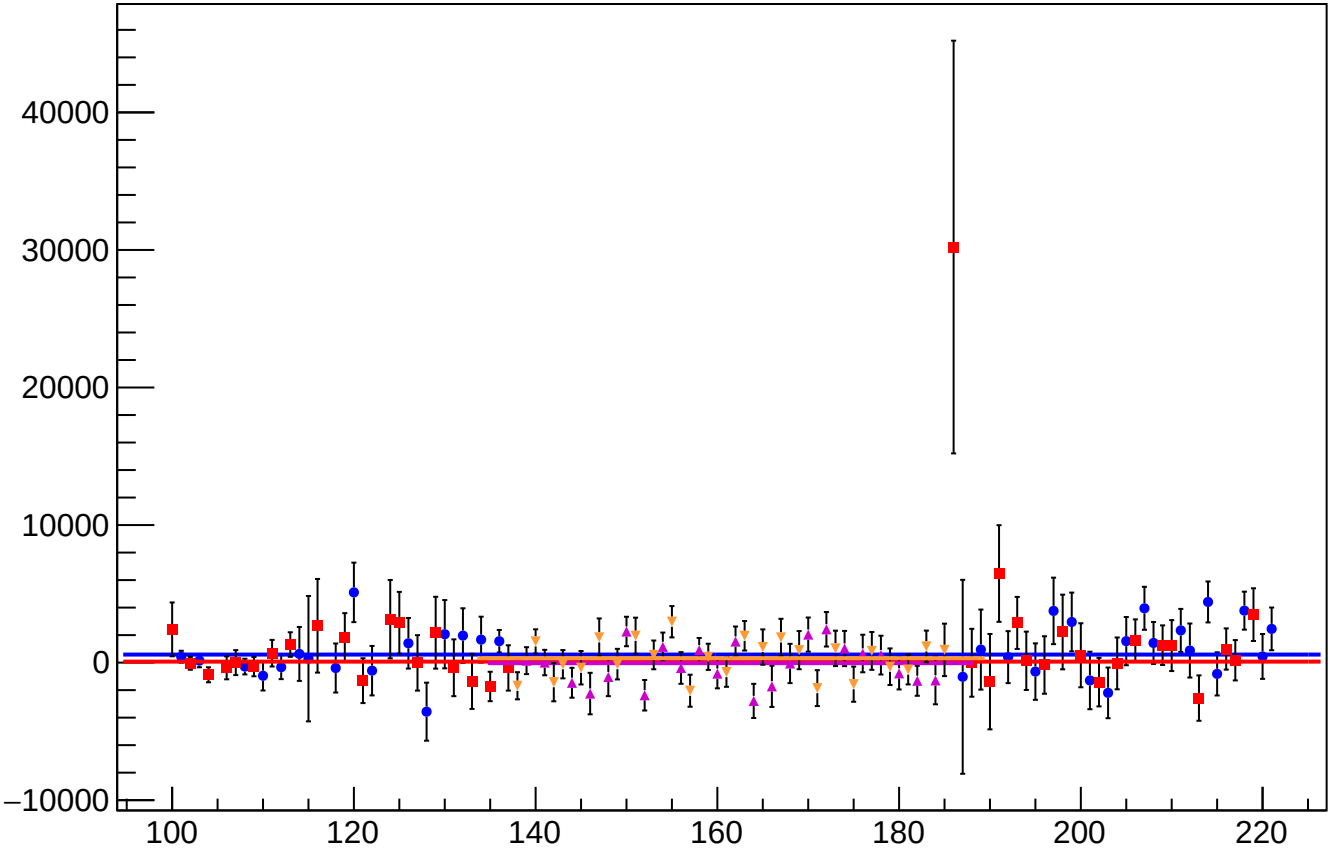
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.161+/-0.016 χ^2/NDF: 3821276.2/58

All: 141.656+/-0.011 χ^2/NDF: 9254826.8/118

- sign 141.126+/-0.016 χ^2/NDF: 5431518.0/59

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 584.823+/-202.555 χ^2/NDF: 45.6/33

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.289+/-207.593 χ^2/NDF: 36.1/36

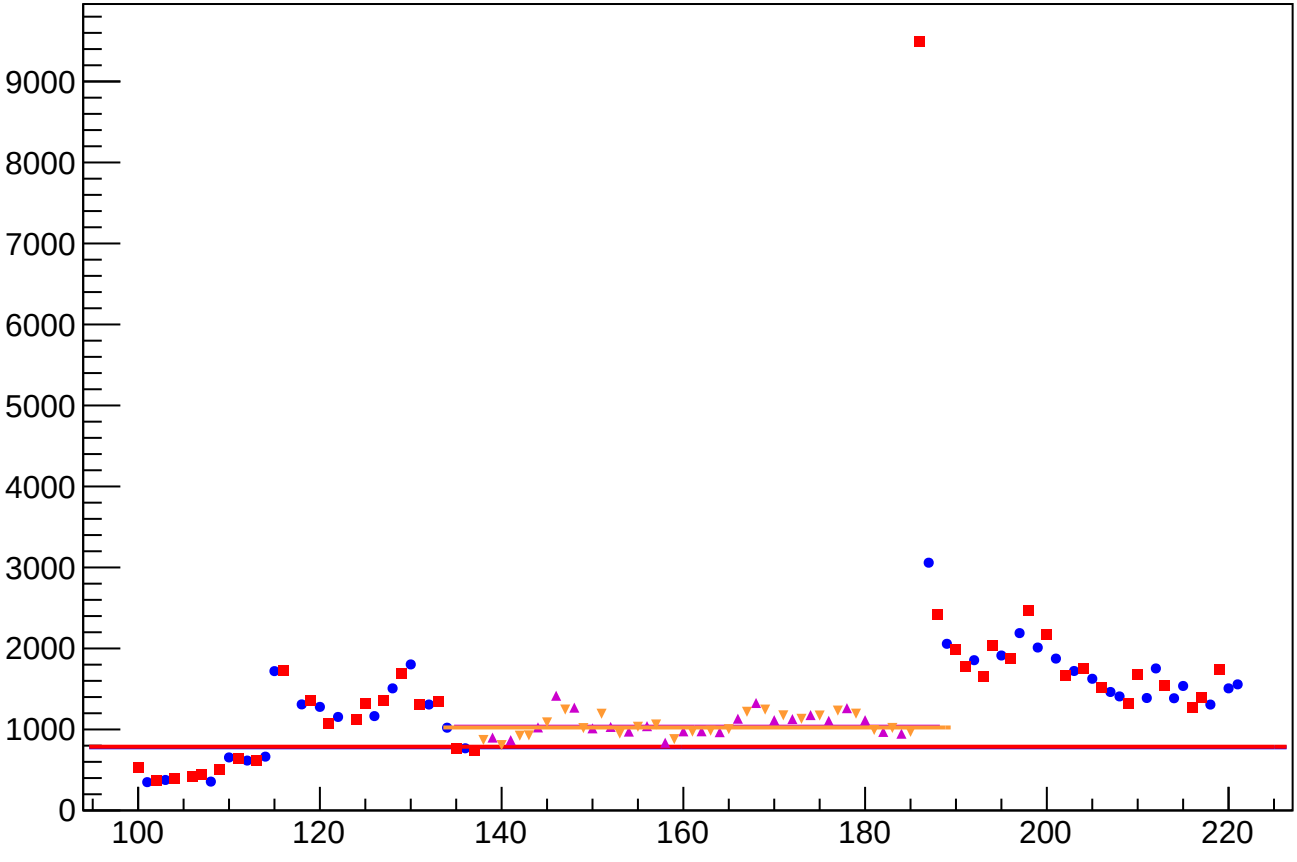
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 471.968+/-153.450 χ^2/NDF: 78.8/58

All: 255.477+/-110.131 χ^2/NDF: 153.9/118

- sign 25.510+/-158.154 χ^2/NDF: 71.0/59

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 779.733+/-0.143 χ^2/NDF: 14113533.5/33

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

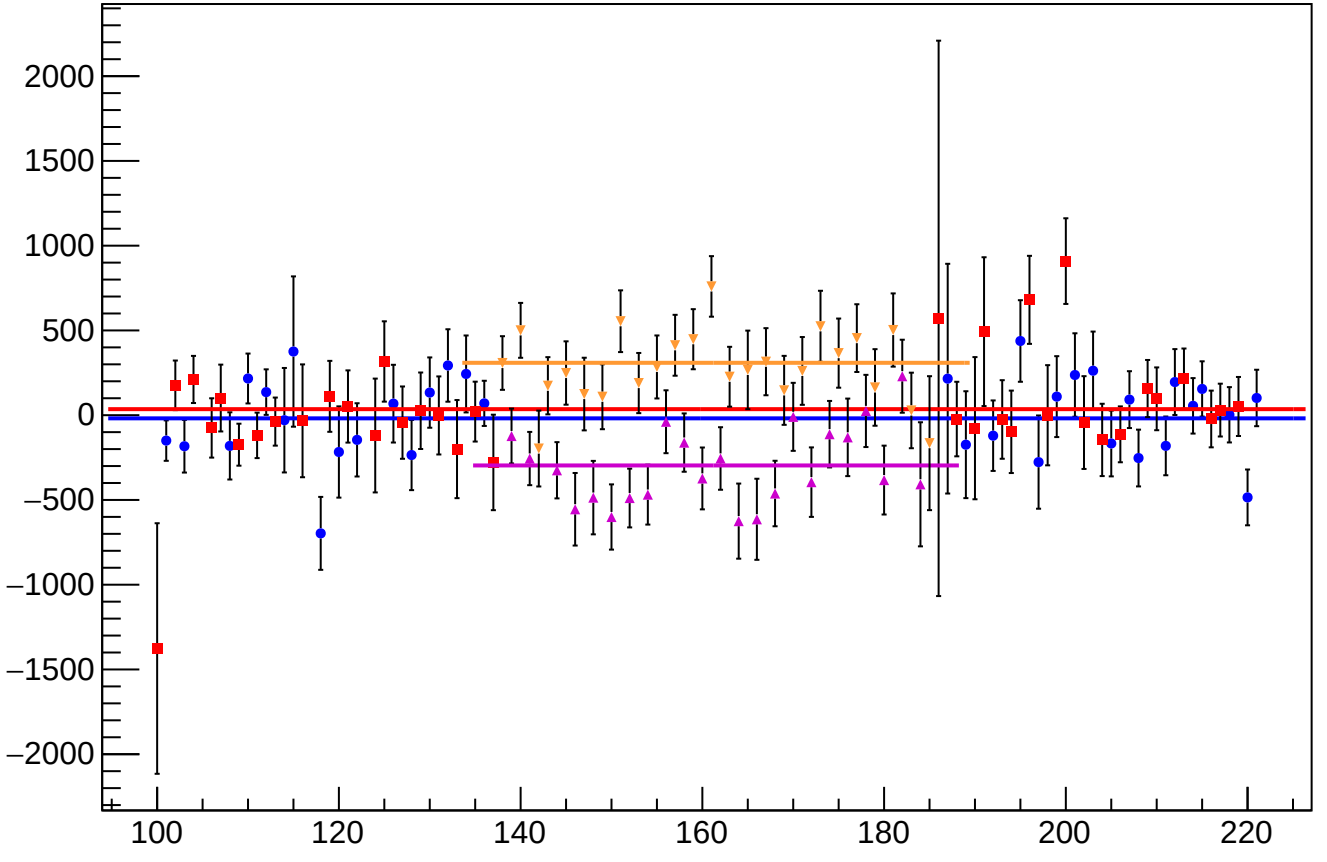
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

\+ sign 884.020+/-0.109 χ^2/NDF: 15955445.7/58

All: 887.314+/-0.078 χ^2/NDF: 31555616.5/11

\- sign 890.813+/-0.112 χ^2/NDF: 15598270.1/59

dit_asym_sam6_mean vs Slug



Right In: -18.661+/-32.681 χ^2/NDF: 47.1/33

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.620+/-33.069 χ^2/NDF: 38.3/36

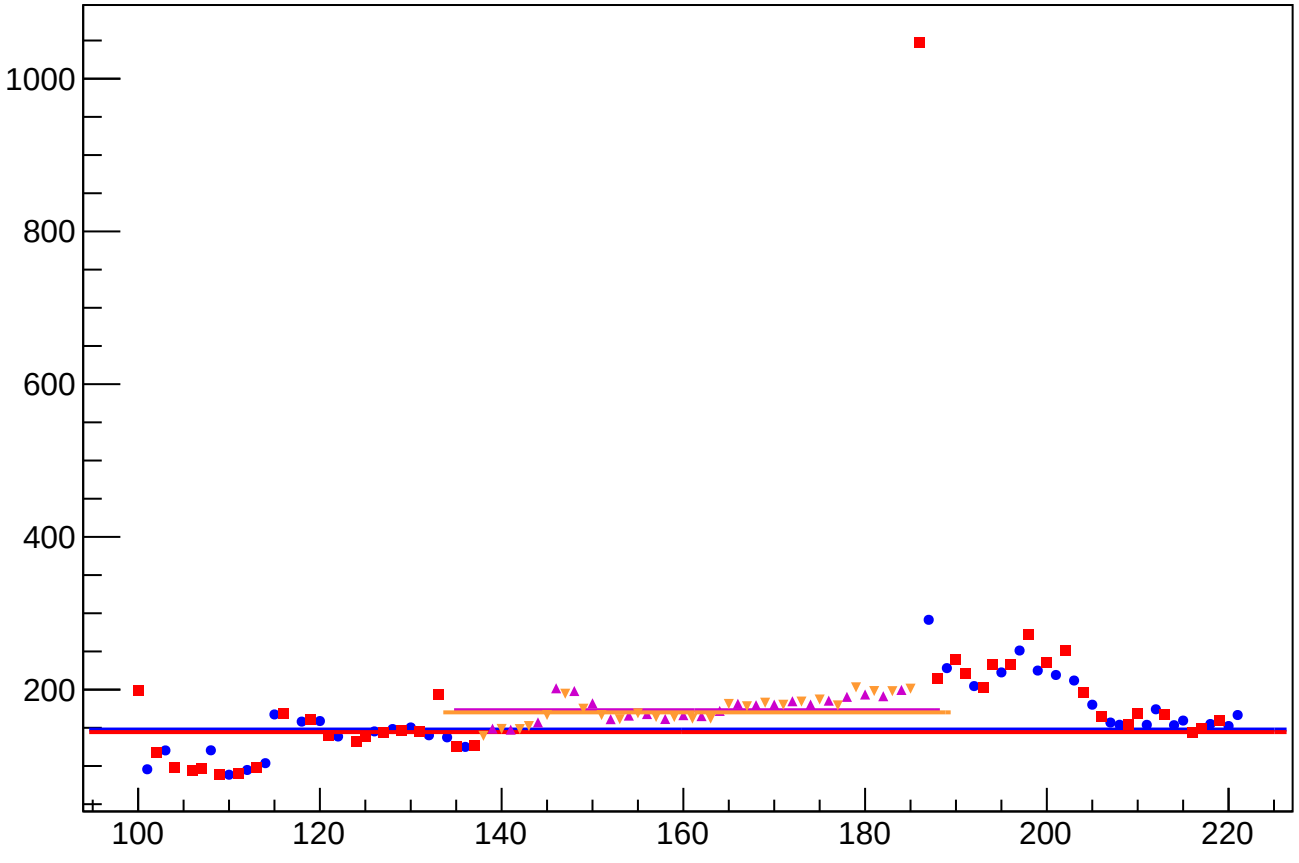
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 116.924+/-25.022 χ^2/NDF: 114.2/58

All: 12.668+/-17.909 χ^2/NDF: 256.1/118

- sign -96.813+/-25.642 χ^2/NDF: 106.3/59

dit_asym_sam6_rms vs Slug



Right In: 147.735+/-0.023 χ^2/NDF: 2764494.6/33

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 144.382+/-0.023 χ^2/NDF: 4439979.5/36

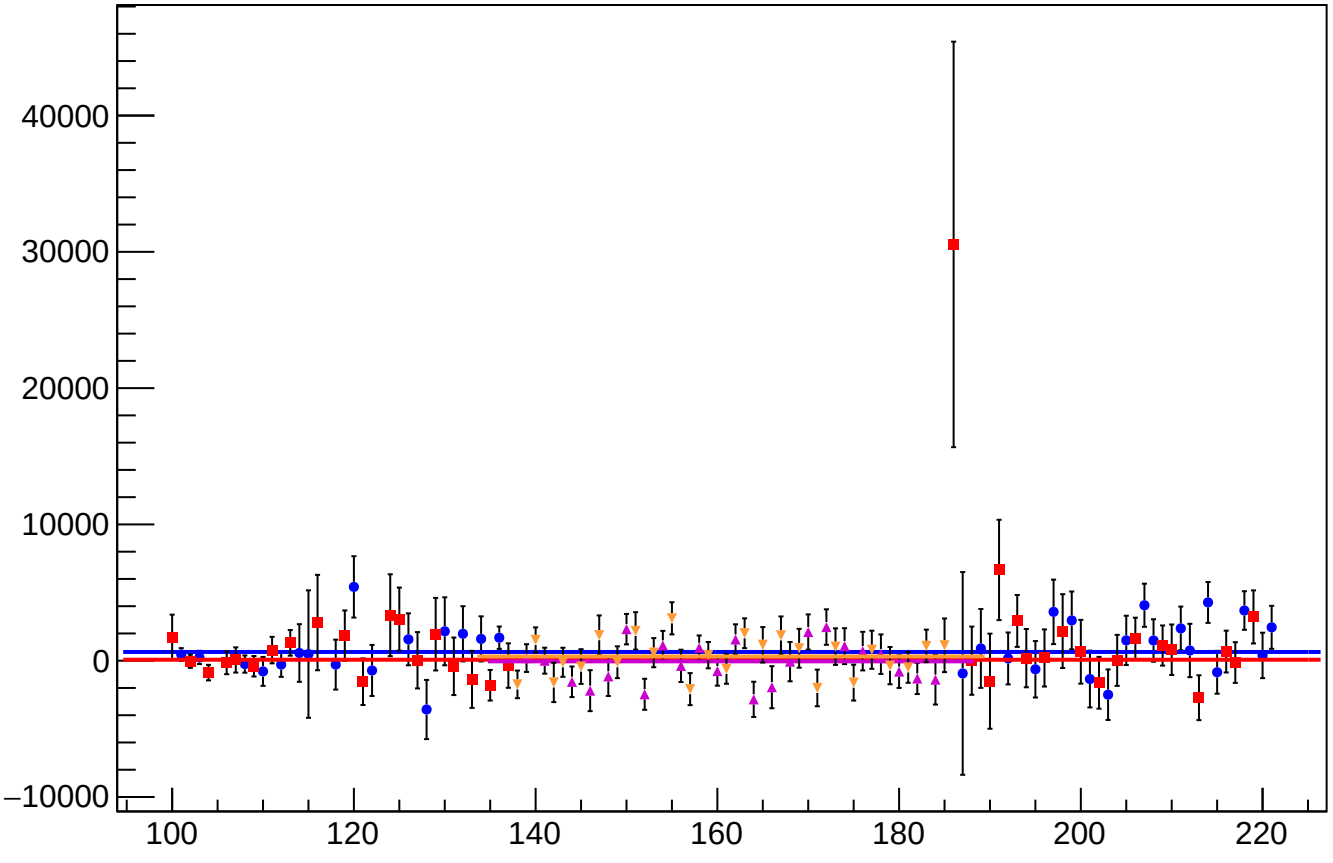
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 157.047+/-0.018 χ^2/NDF: 3523218.1/58

All: 156.440+/-0.013 χ^2/NDF: 8857578.8/118

- sign 155.803+/-0.018 χ^2/NDF: 5331949.0/59

asym_sam6_dit_correction_mean vs Slug



Right In: 641.622+/-210.400 χ^2/NDF: 43.9/33

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 71.350+/-213.713 χ^2/NDF: 34.2/36

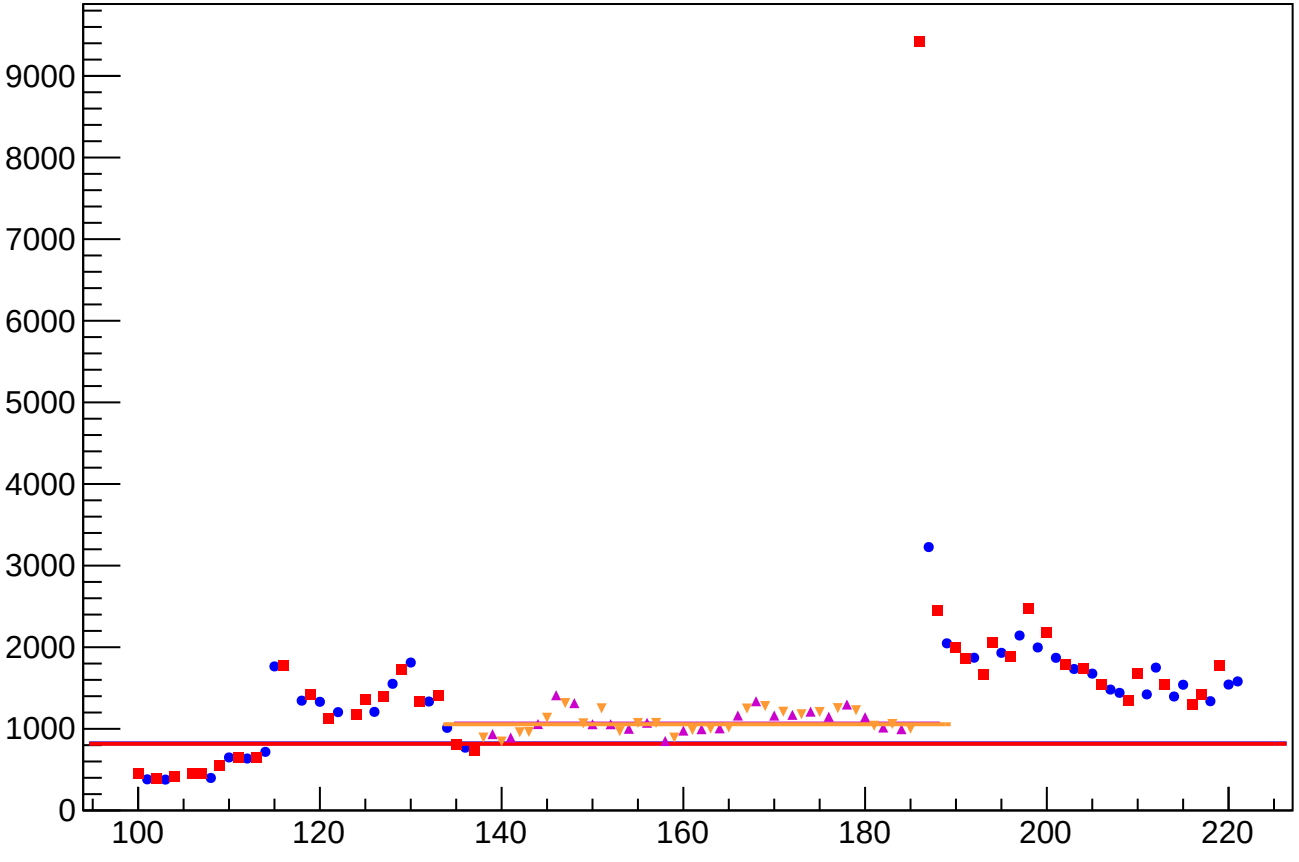
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 500.696+/-158.894 χ^2/NDF: 77.8/58

All: 266.934+/-113.707 χ^2/NDF: 151.0/118

- sign 21.571+/-162.788 χ^2/NDF: 68.8/59

asym_sam6_dit_correction_rms vs Slug



Right In: 821.509+/-0.149 χ^2/NDF: 13301265.6/33

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 816.931+/-0.151 χ^2/NDF: 13466322.6/36

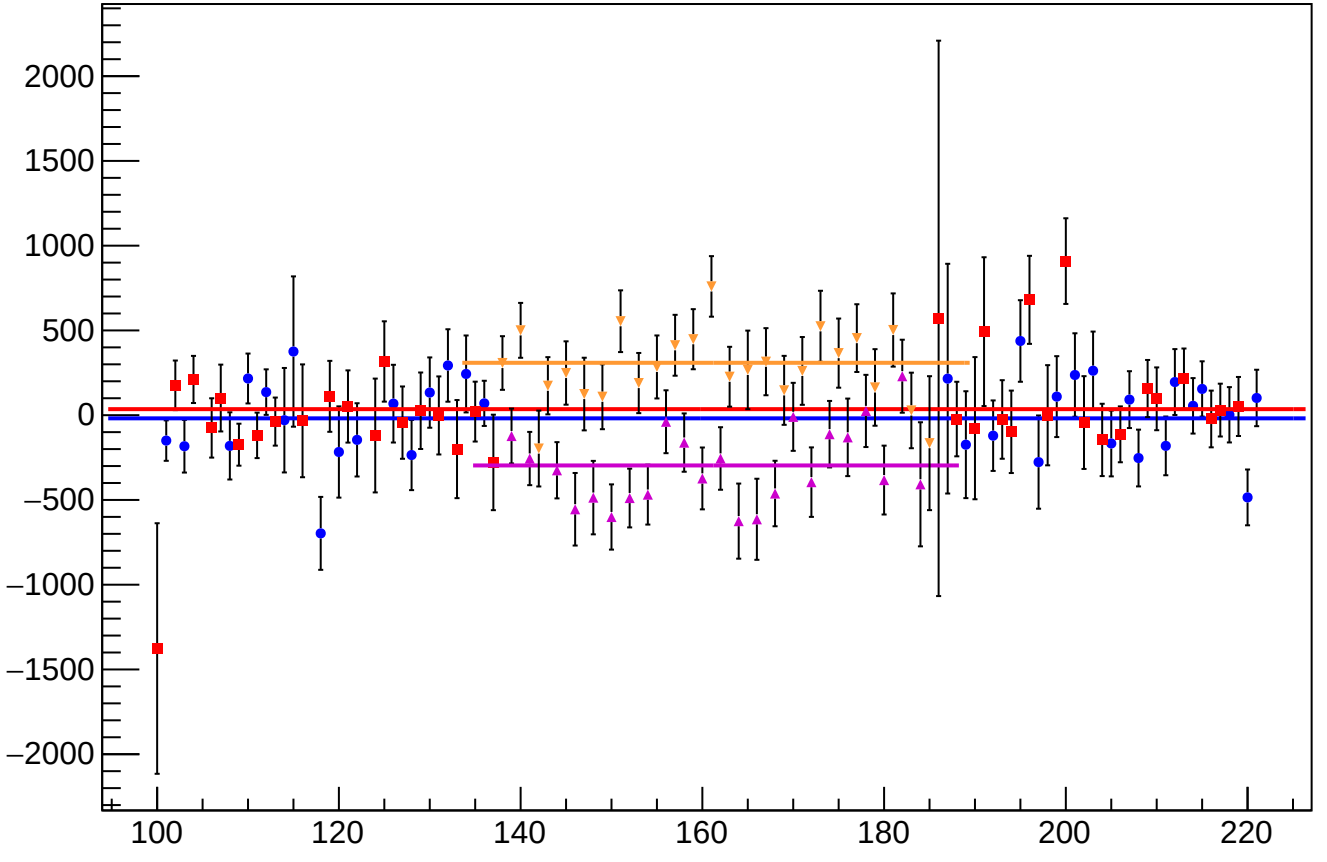
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 922.405+/-0.112 χ^2/NDF: 14982372.0/58

All: 921.689+/-0.080 χ^2/NDF: 30188231.5/11

- sign 920.938+/-0.115 χ^2/NDF: 15205776.2/59

eigen_dit_asym_sam6_mean vs Slug



Right In: -18.662+/-32.681 χ^2/NDF: 47.1/33

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.619+/-33.069 χ^2/NDF: 38.3/36

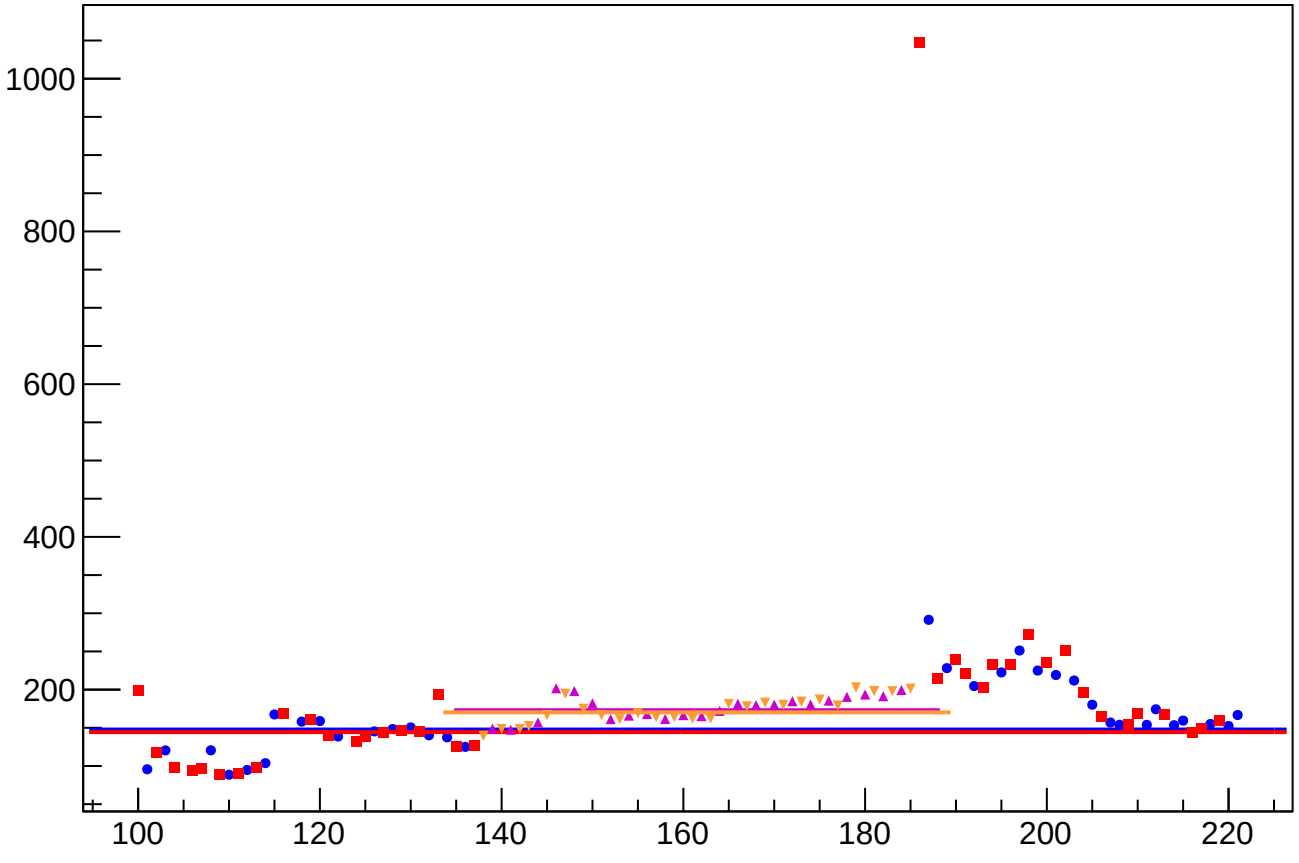
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 116.923+/-25.022 χ^2/NDF: 114.2/58

All: 12.668+/-17.908 χ^2/NDF: 256.1/118

- sign -96.814+/-25.642 χ^2/NDF: 106.3/59

eigen_dit_asym_sam6_rms vs Slug



Right In: 147.735+/-0.023 χ^2/NDF: 2764516.1/33

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 144.381+/-0.023 χ^2/NDF: 4439987.8/36

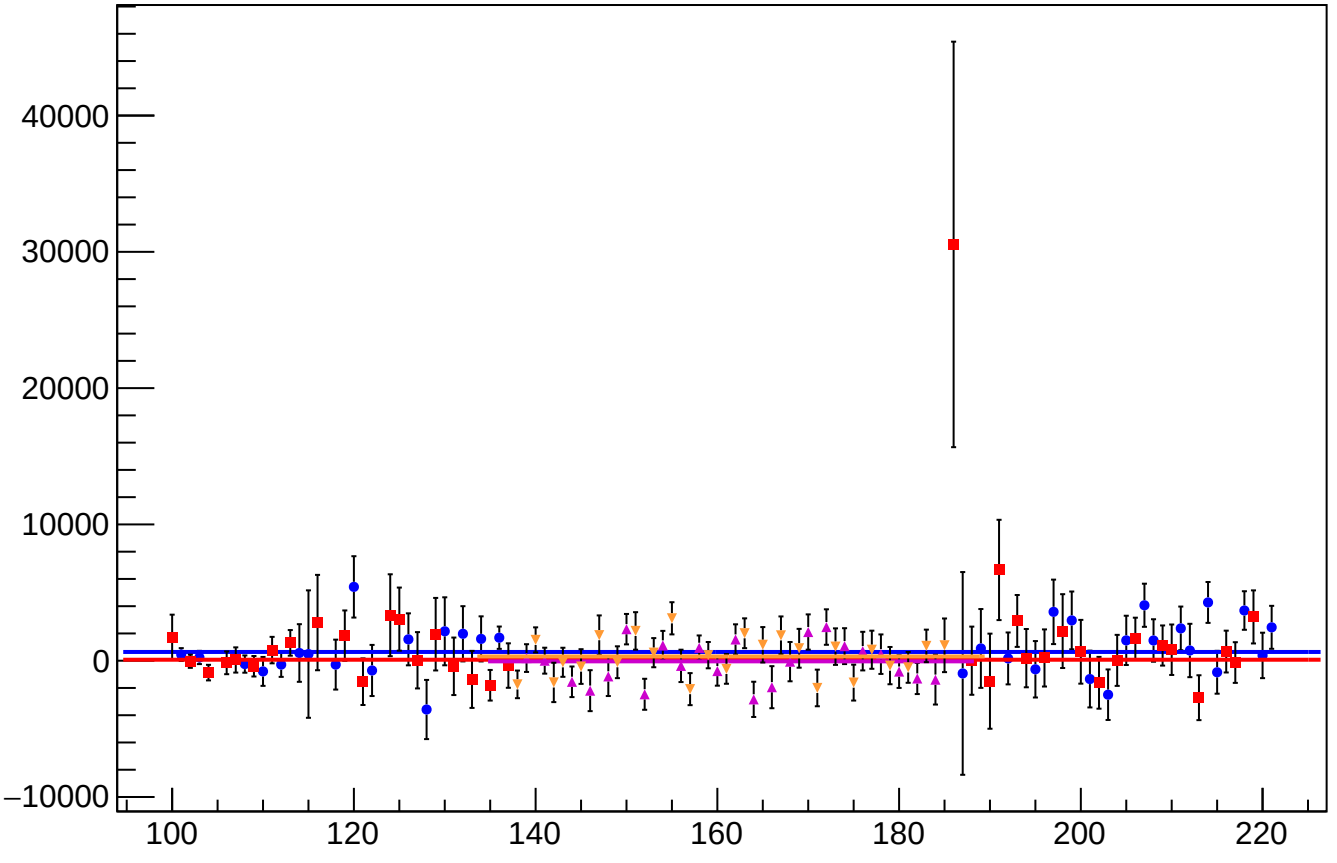
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 157.047+/-0.018 χ^2/NDF: 3523239.9/58

All: 156.440+/-0.013 χ^2/NDF: 8857610.8/118

- sign 155.803+/-0.018 χ^2/NDF: 5331959.1/59

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 641.621+/-210.400 χ^2/NDF: 43.9/33

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 71.348+/-213.712 χ^2/NDF: 34.2/36

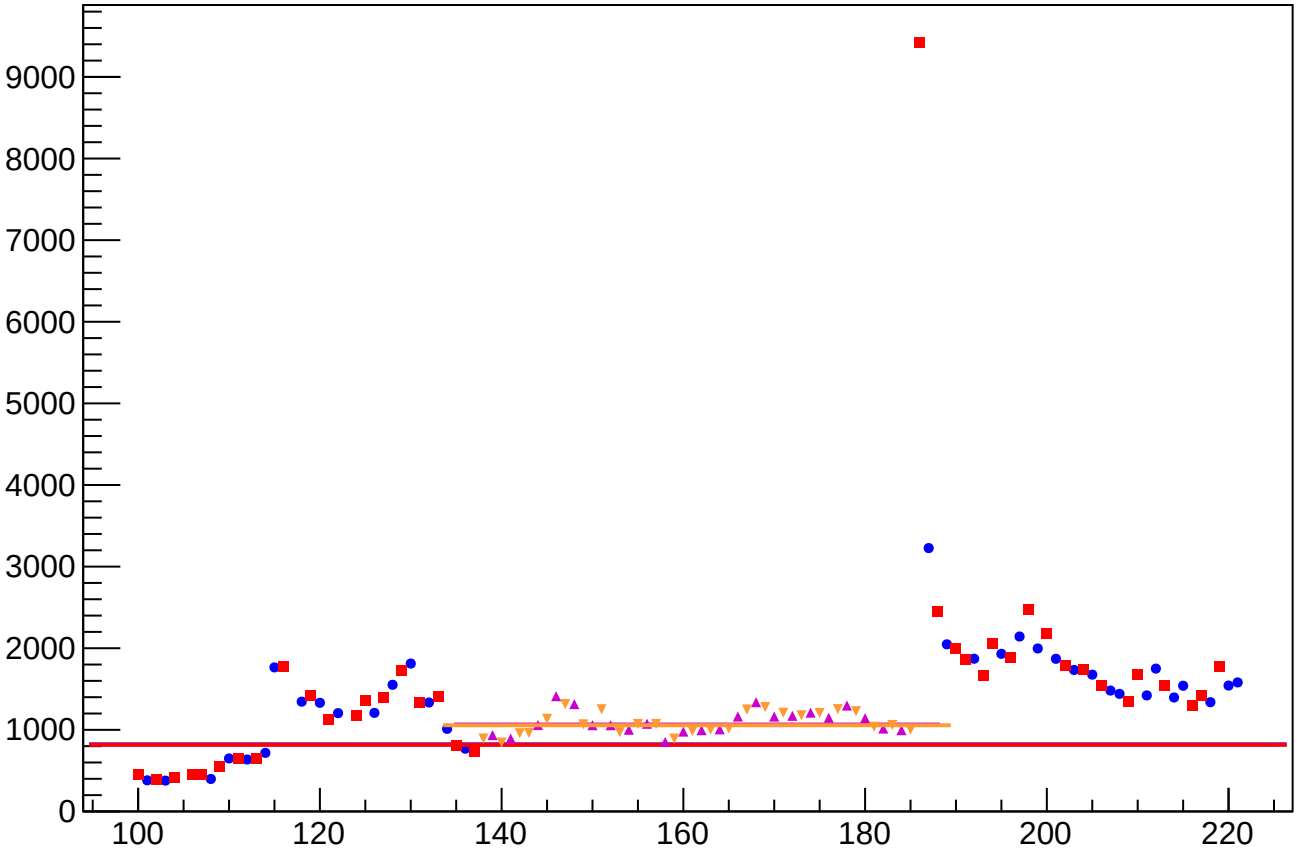
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 500.696+/-158.894 χ^2/NDF: 77.8/58

All: 266.933+/-113.707 χ^2/NDF: 151.0/118

- sign 21.570+/-162.788 χ^2/NDF: 68.8/59

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 821.508+/-0.149 χ^2/NDF: 13301287.4/33

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 816.930+/-0.151 χ^2/NDF: 13466332.1/36

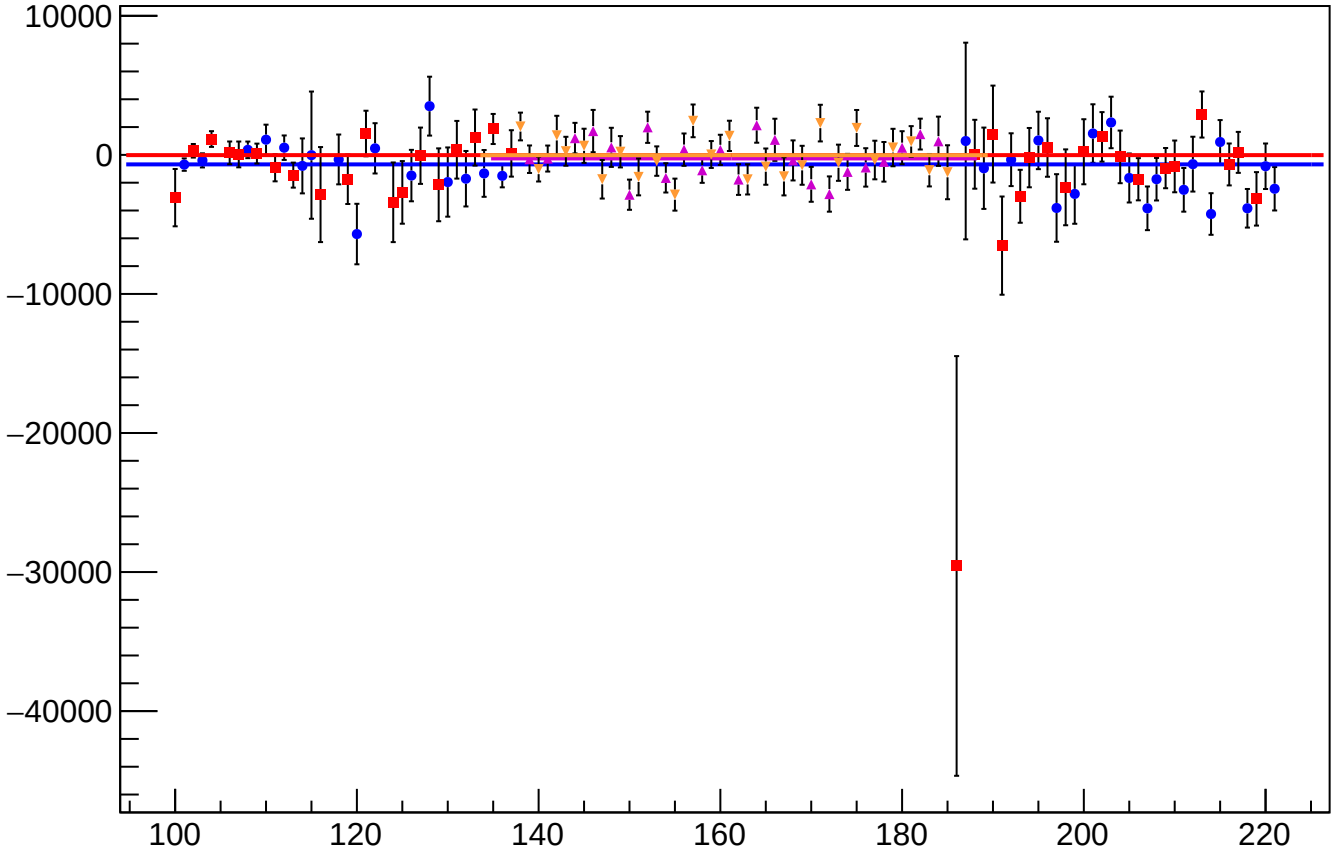
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 922.405+/-0.112 χ^2/NDF: 14982410.1/58

All: 921.689+/-0.080 χ^2/NDF: 30188289.3/11

- sign 920.937+/-0.115 χ^2/NDF: 15205795.9/59

asym_sam6_mean vs Slug



Right In: -683.050+/-207.411 χ^2/NDF: 46.1/33

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -17.006+/-211.671 χ^2/NDF: 38.9/36

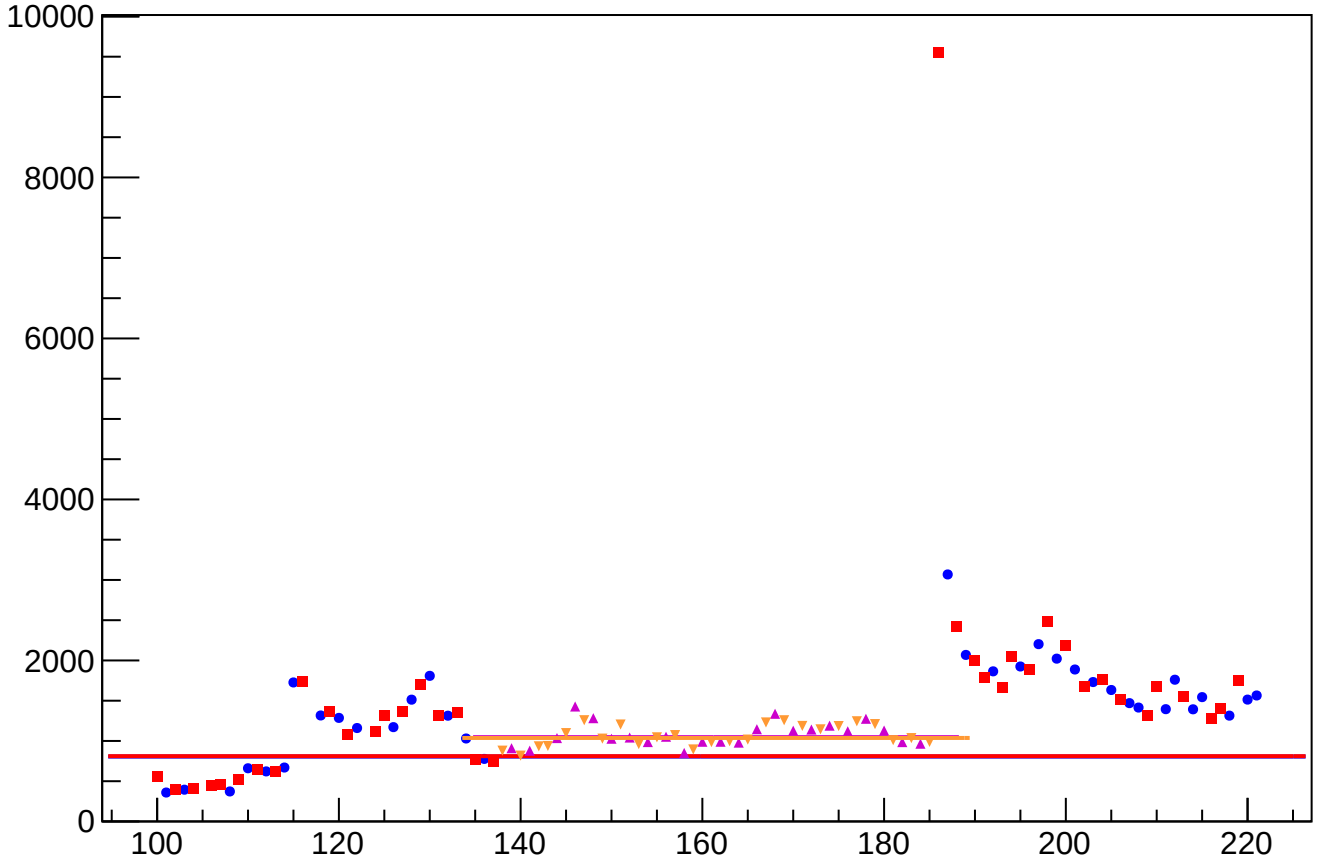
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -397.612+/-156.357 χ^2/NDF: 85.0/58

All: -261.636+/-112.093 χ^2/NDF: 159.5/118

- sign -117.854+/-160.782 χ^2/NDF: 73.0/59

asym_sam6_rms vs Slug



Right In: 805.904+/-0.147 χ^2/NDF: 13553042.8/33

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 810.944+/-0.150 χ^2/NDF: 13290253.7/36

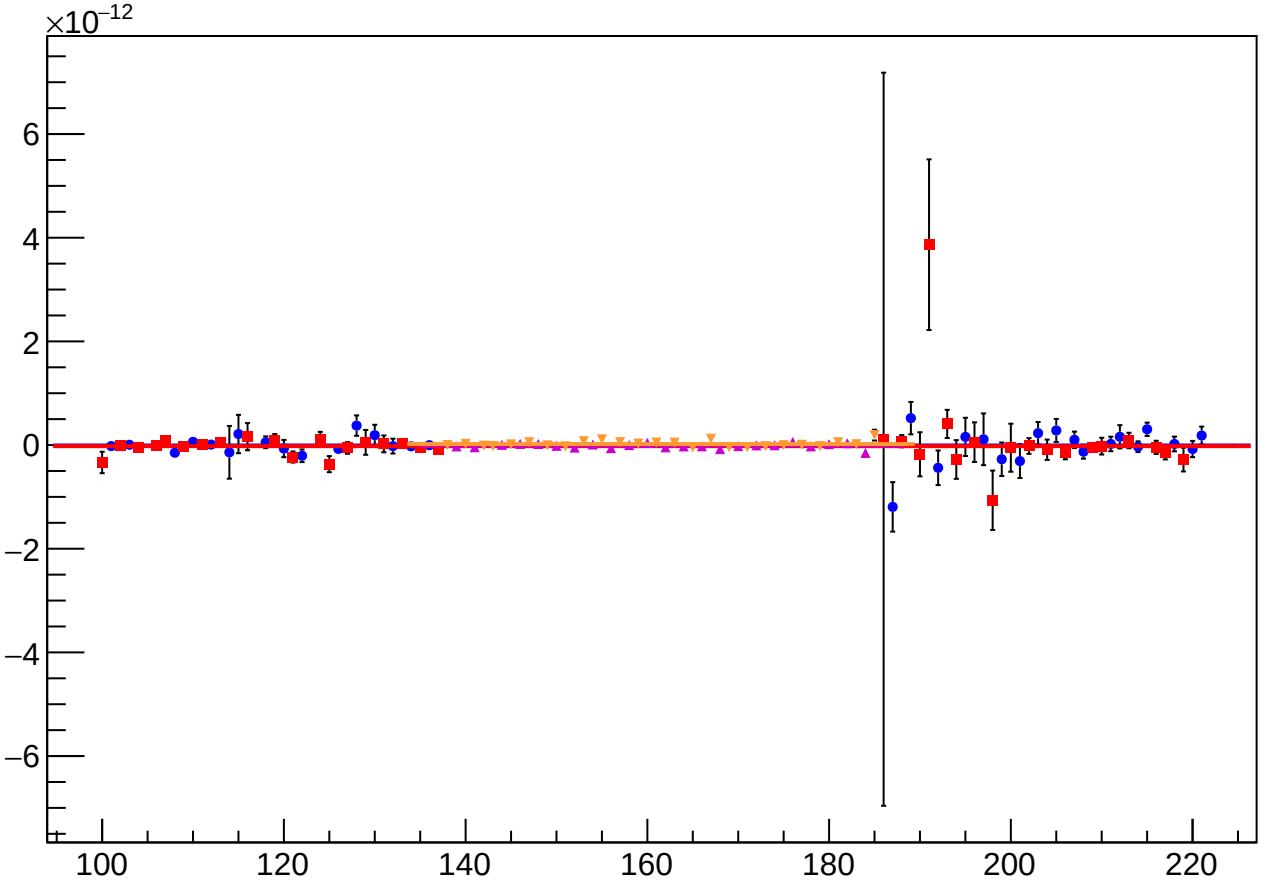
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 905.809+/-0.111 χ^2/NDF: 15213426.4/58

All: 908.365+/-0.079 χ^2/NDF: 30175977.1/11

- sign 911.069+/-0.114 χ^2/NDF: 14961450.6/59

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/36

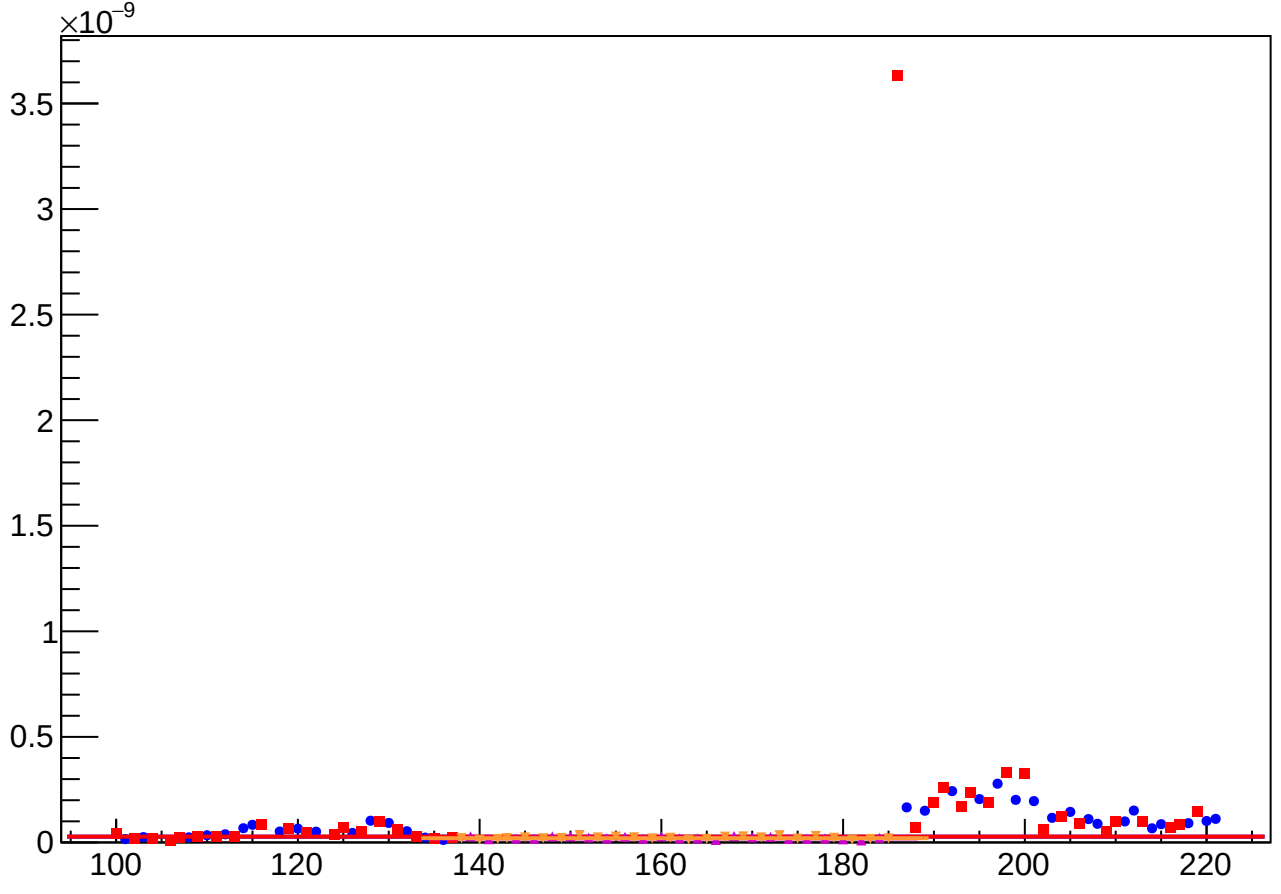
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.5/58

All: 0.000+/-0.000 χ^2/NDF: 135.9/118

- sign -0.000+/-0.000 χ^2/NDF: 55.9/59

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11059757.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9559620.3/36

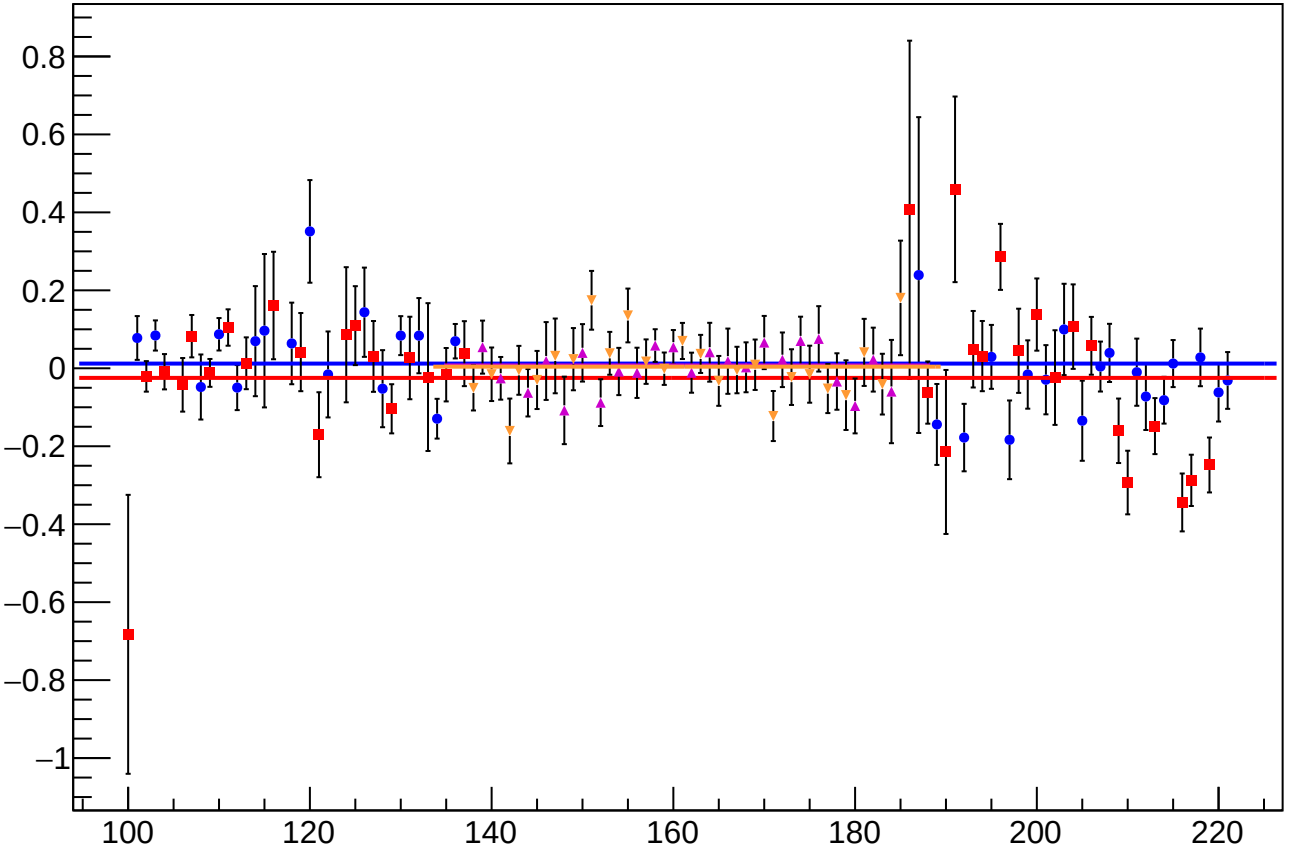
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12546182.7/58

All: 0.000+/-0.000 χ^2/NDF: 23782633.0/118

- sign 0.000+/-0.000 χ^2/NDF: 11222449.0/59

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

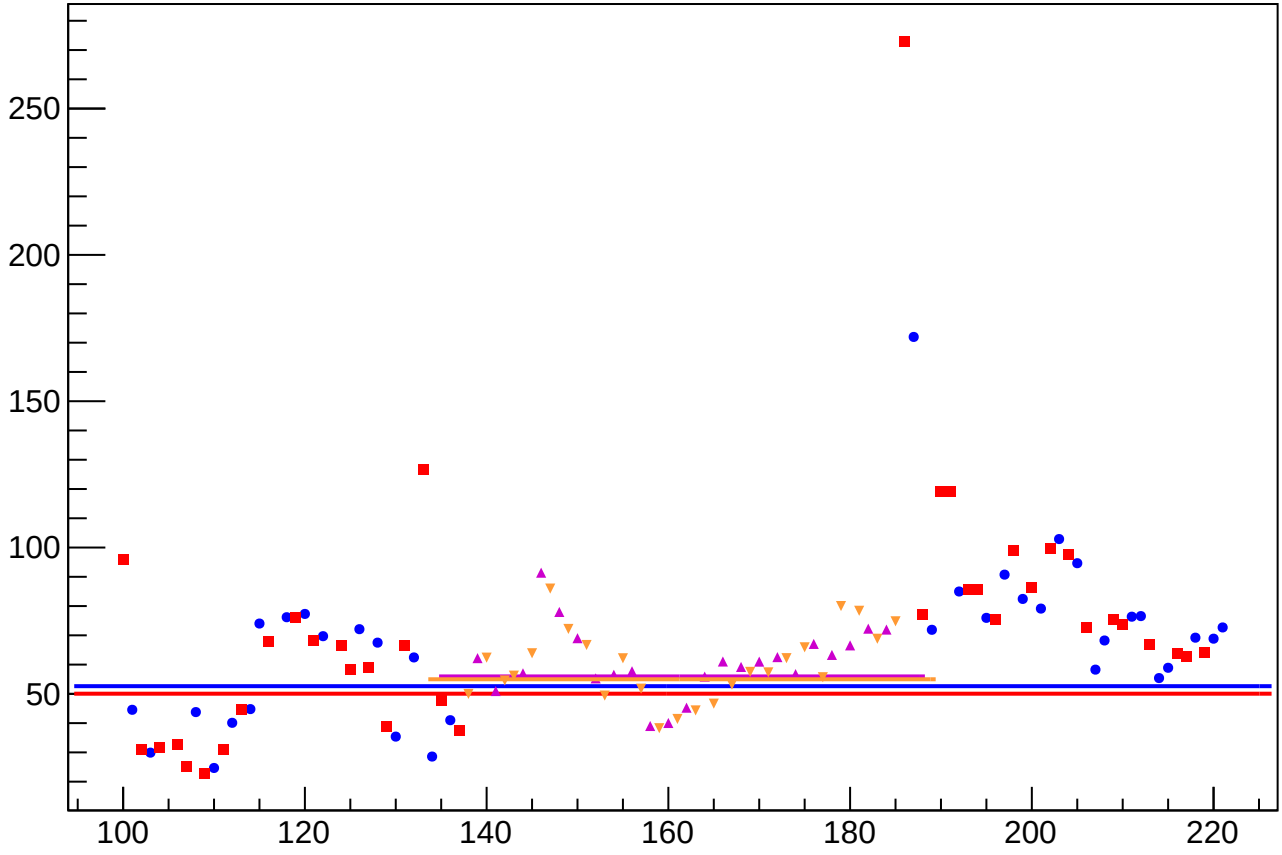
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 207.4/118

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 52.627+/-0.009 χ^2/NDF: 5808072.4/33

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

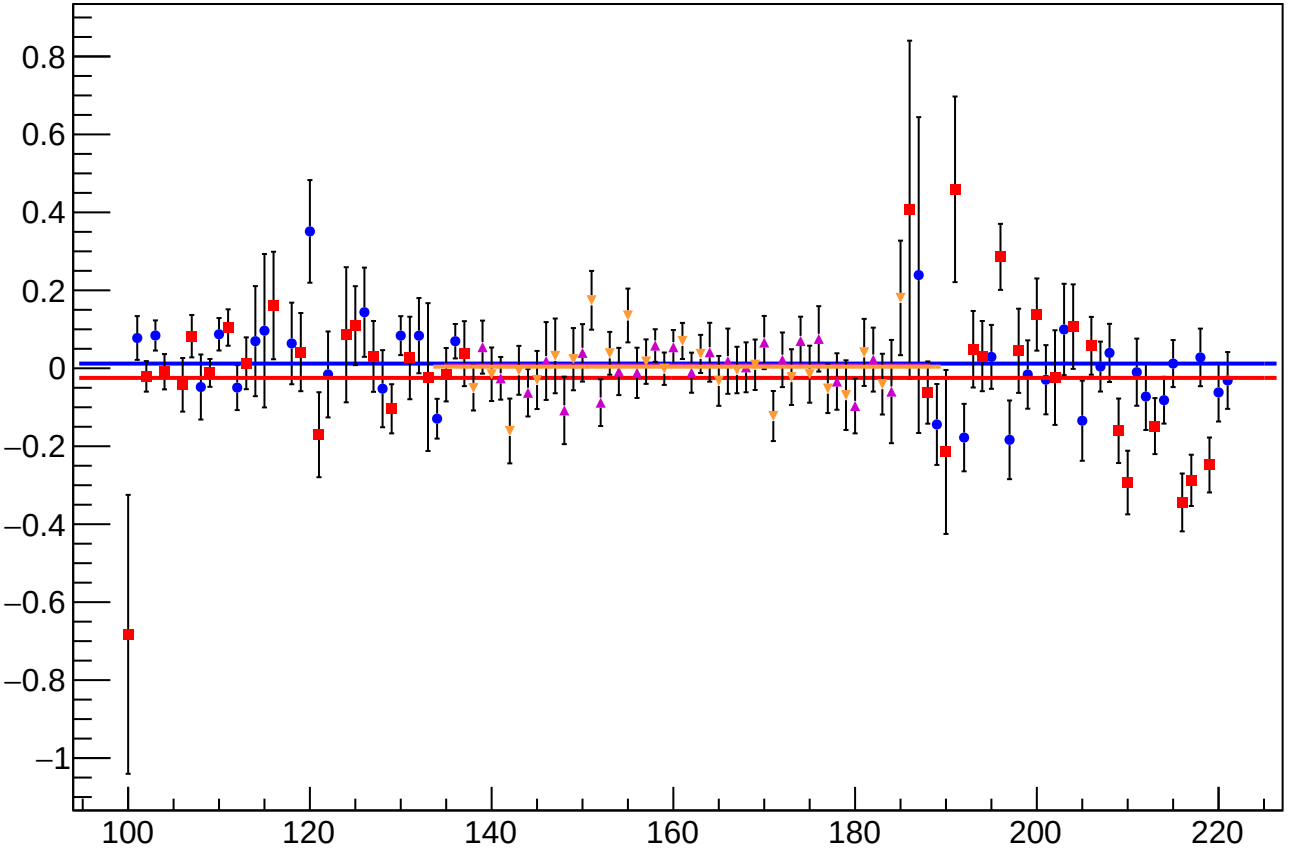
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.747+/-0.006 χ^2/NDF: 7409768.0/58

All: 53.250+/-0.005 χ^2/NDF: 16898596.0/118

- sign 52.733+/-0.006 χ^2/NDF: 9476171.7/59

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

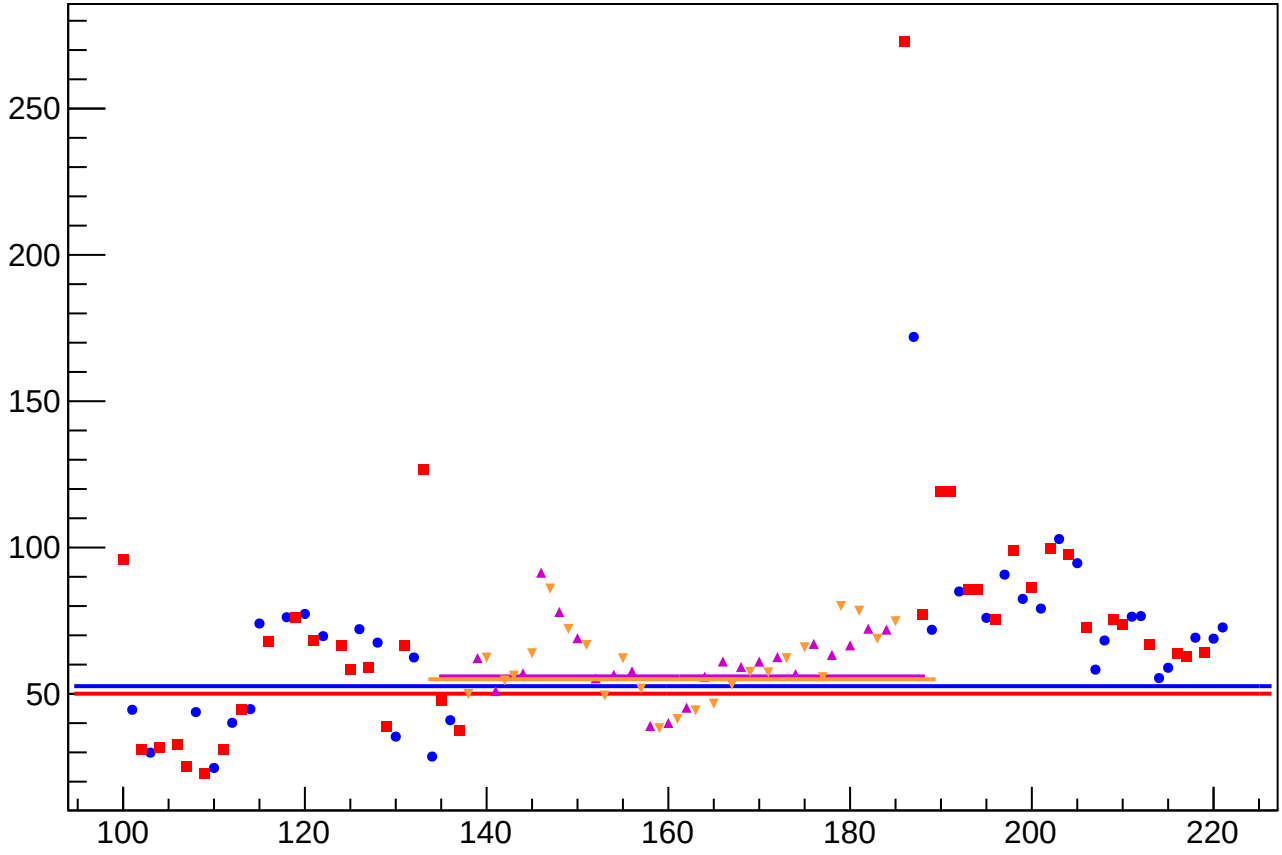
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 207.4/118

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.627+/-0.009 χ^2/NDF: 5808072.4/33

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

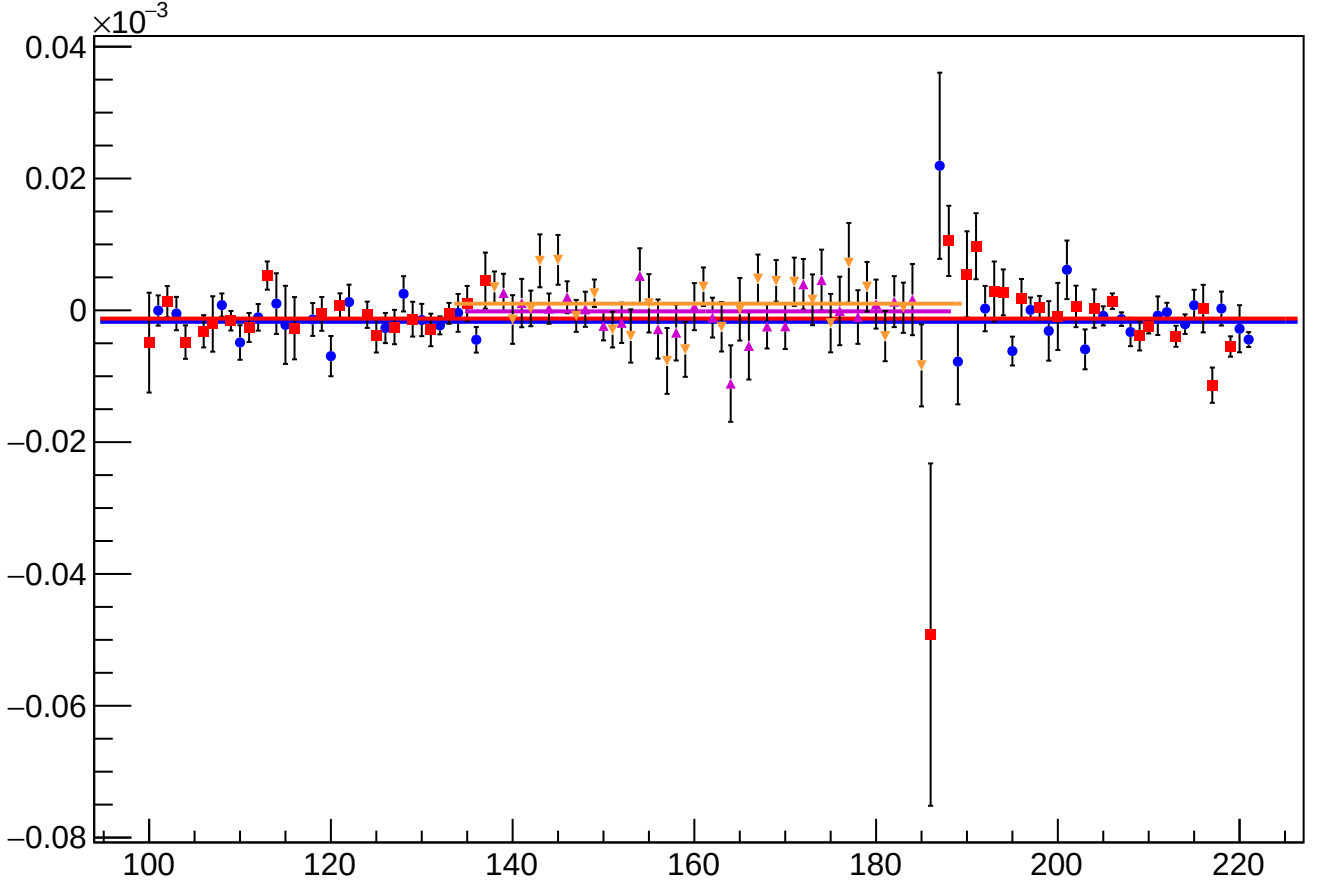
Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.747+/-0.006 χ^2/NDF: 7409768.0/58

All: 53.250+/-0.005 χ^2/NDF: 16898596.0/118

- sign 52.733+/-0.006 χ^2/NDF: 9476171.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 71.2/36

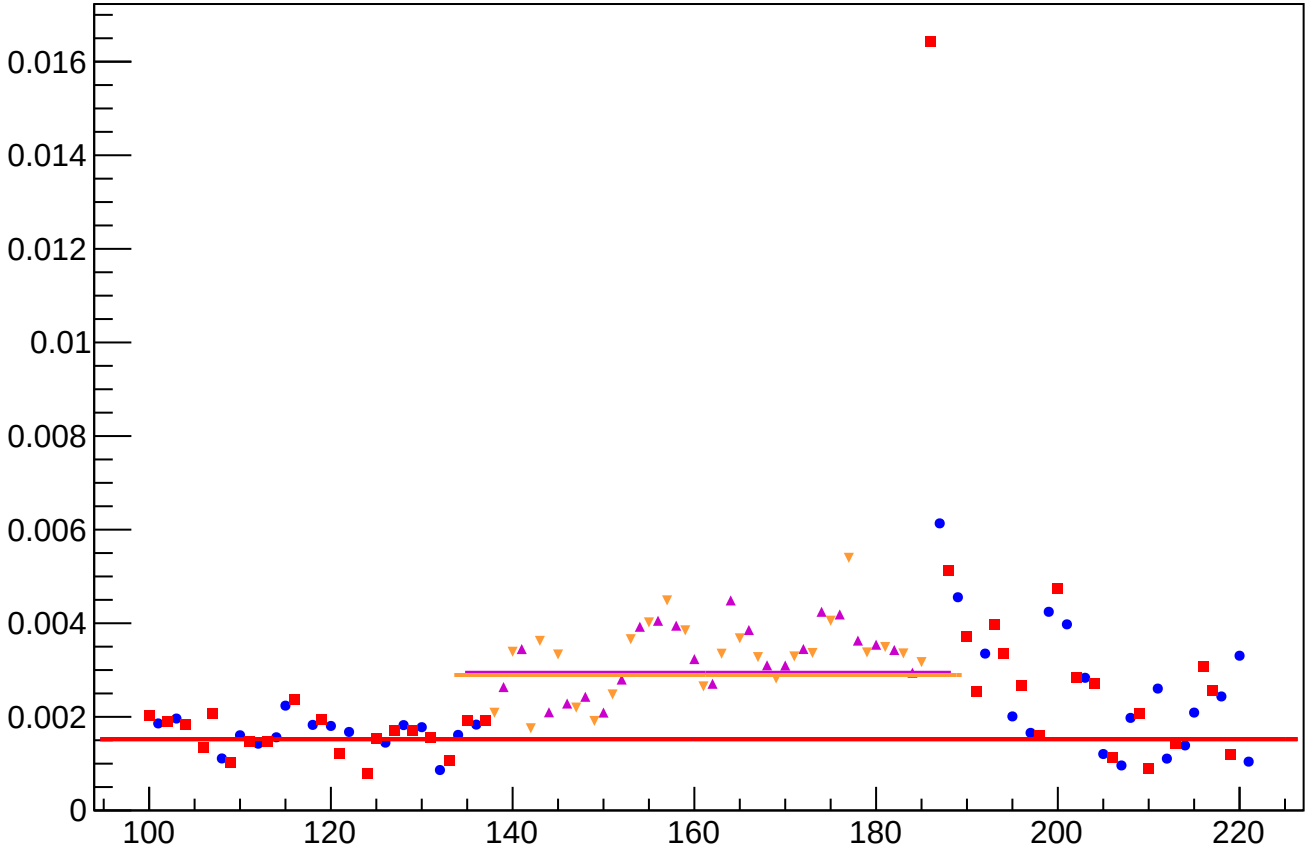
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.2/58

All: -0.000+/-0.000 χ^2/NDF: 166.4/118

- sign -0.000+/-0.000 χ^2/NDF: 87.1/59

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6381598.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7750951.7/36

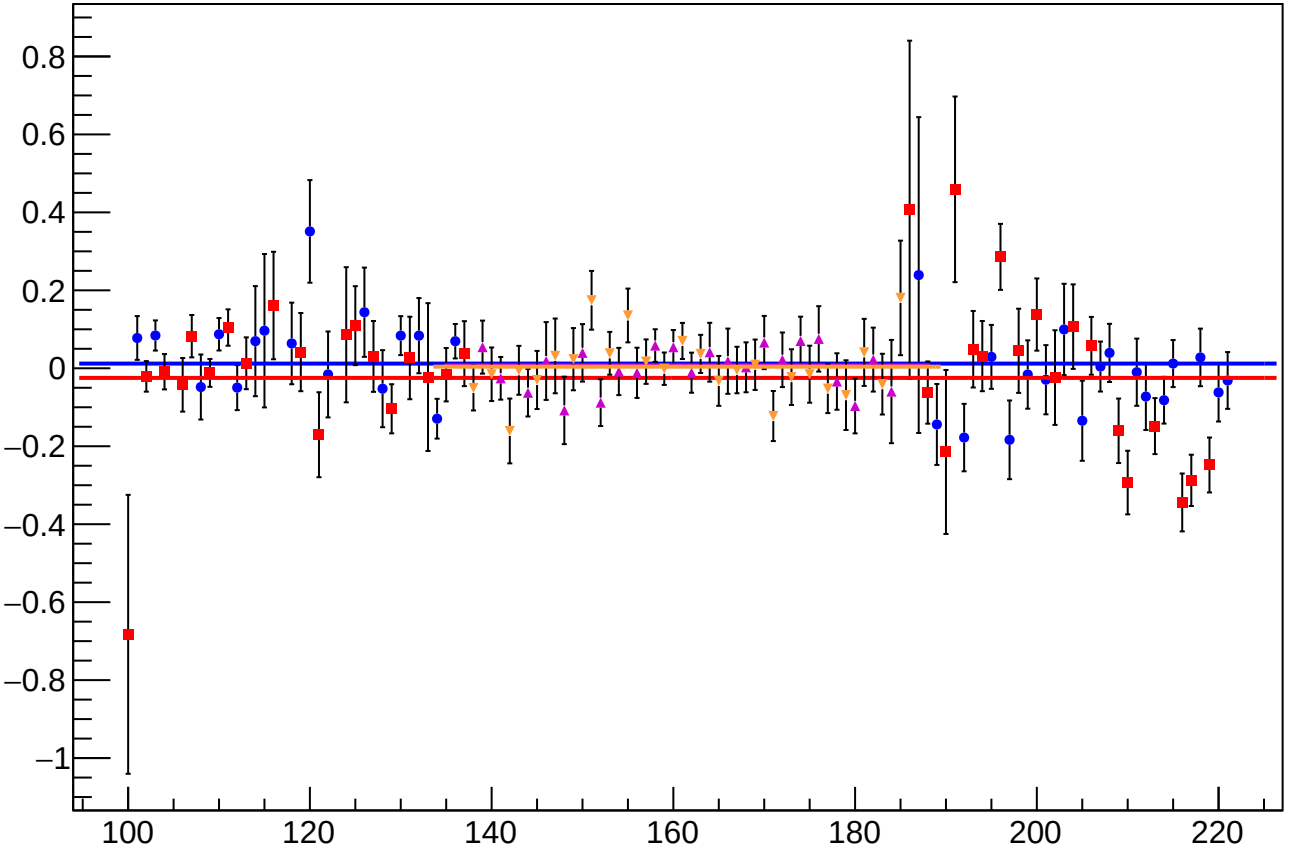
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 15292228.5/58

All: 0.002+/-0.000 χ^2/NDF: 31202503.5/118

- sign 0.002+/-0.000 χ^2/NDF: 15909504.8/59

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

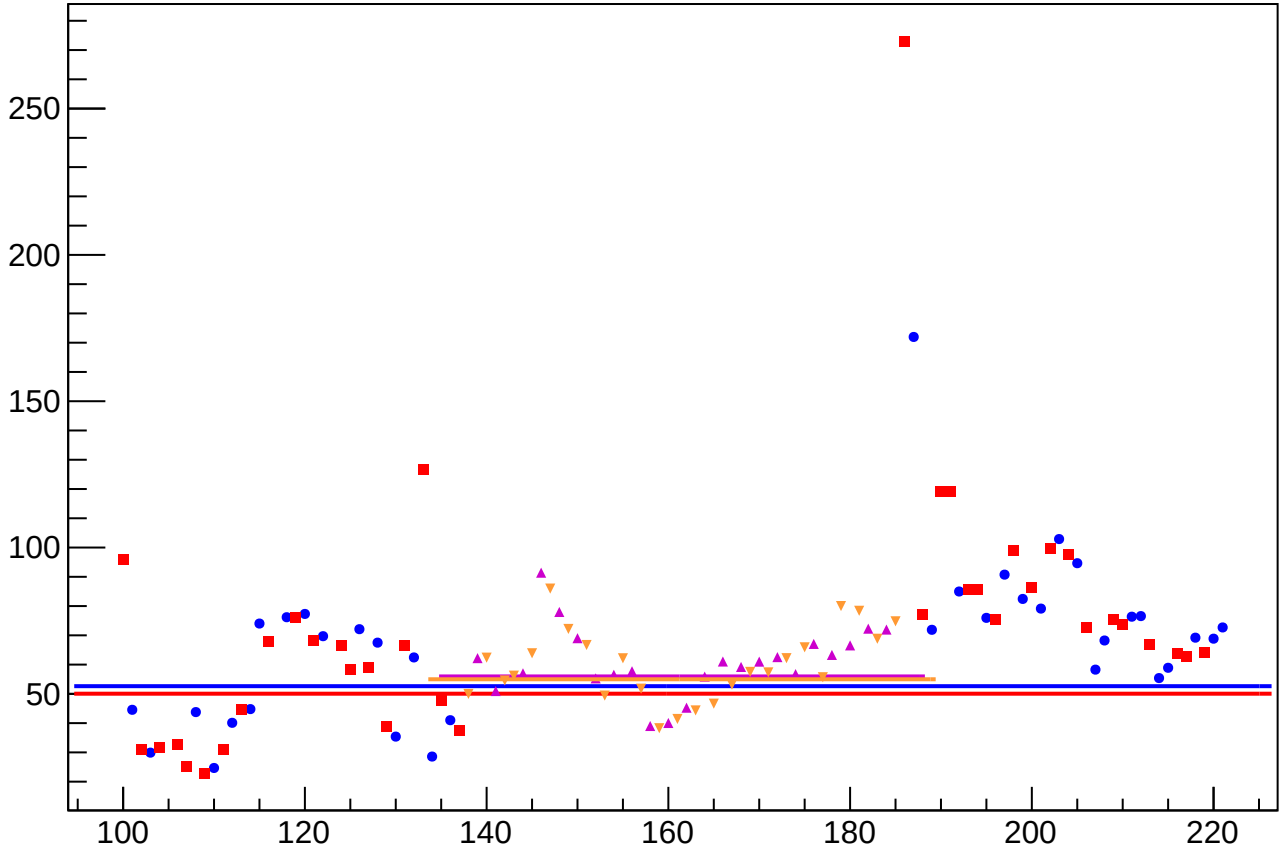
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 207.4/118

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.626+/-0.009 χ^2/NDF: 5808254.7/33

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

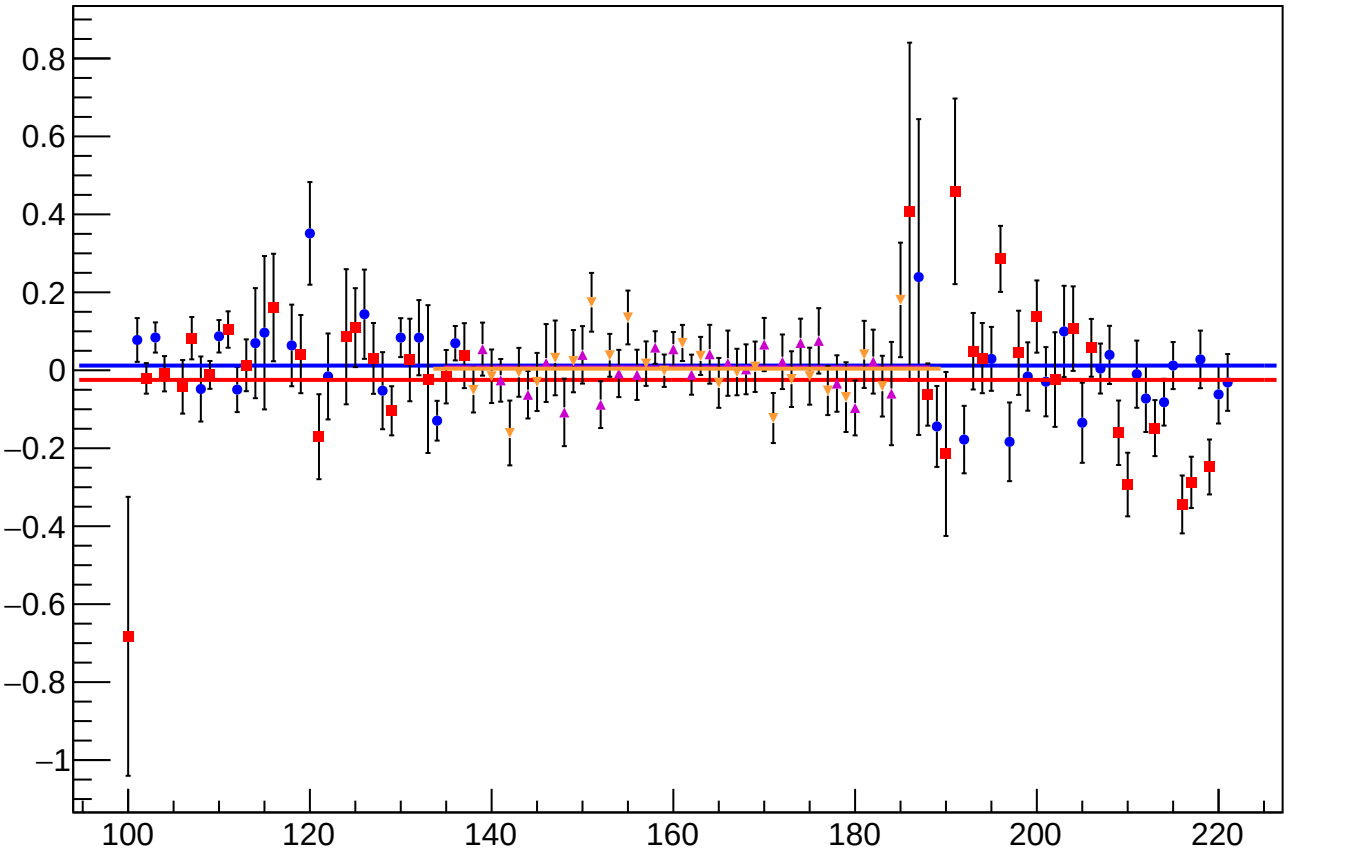
Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.746+/-0.006 χ^2/NDF: 7410057.2/58

All: 53.249+/-0.005 χ^2/NDF: 16899034.3/118

- sign 52.732+/-0.006 χ^2/NDF: 9476322.2/59



Right In: 0.012+/-0.012 χ^2/NDF: 49.9/33

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

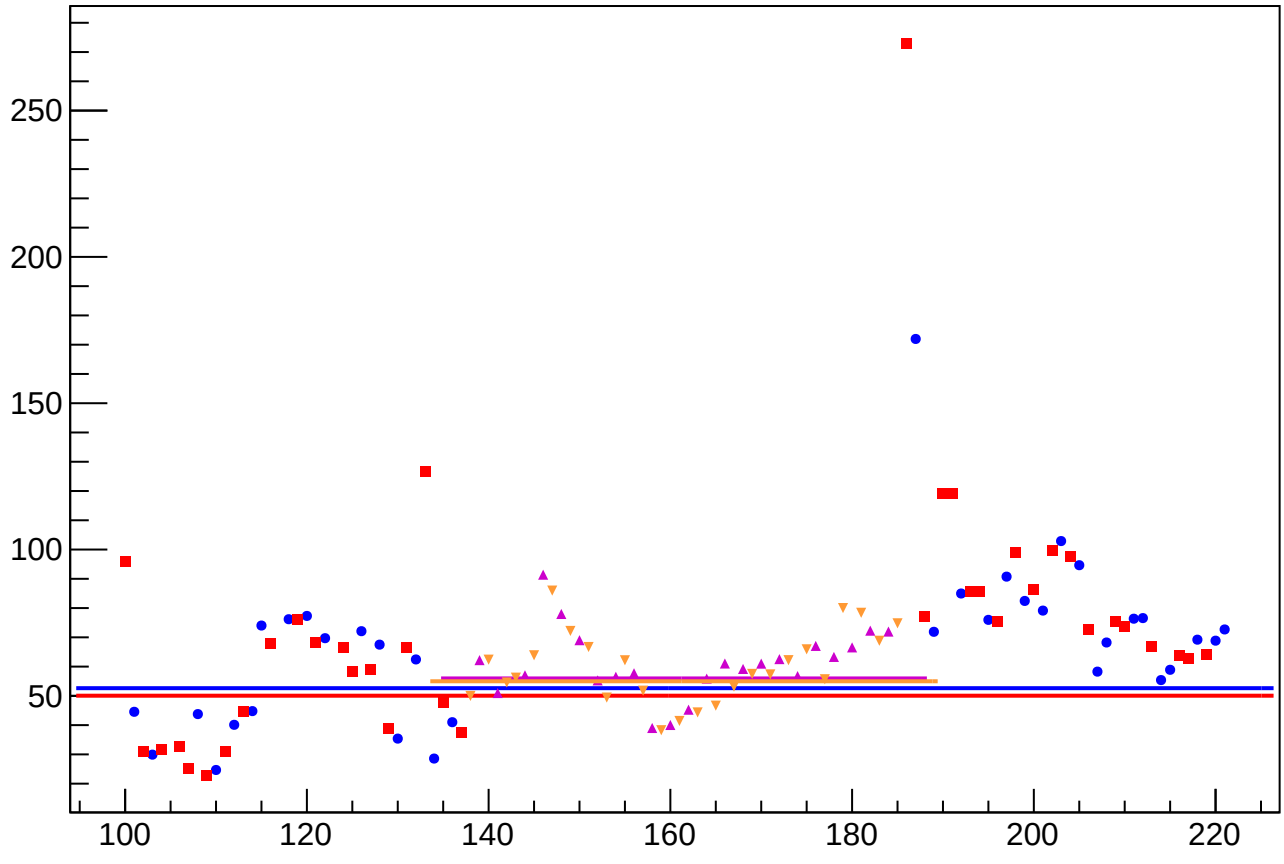
Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.008+/-0.009 χ^2/NDF: 74.9/58

All: -0.001+/-0.006 χ^2/NDF: 207.4/118

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59



Right In: 52.626+/-0.009 χ^2/NDF: 5808254.7/33

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

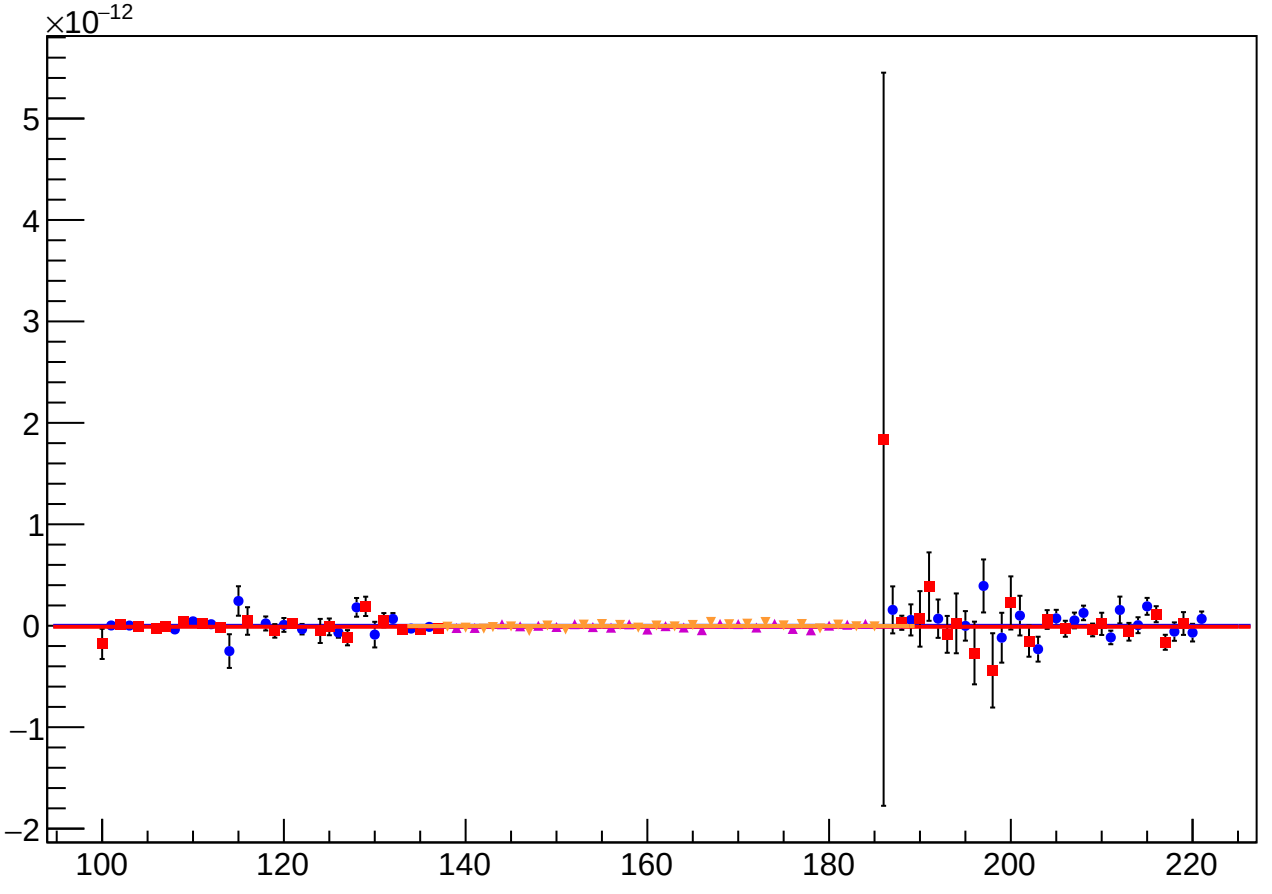
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.746+/-0.006 χ^2/NDF: 7410057.2/58

All: 53.249+/-0.005 χ^2/NDF: 16899034.3/118

- sign 52.732+/-0.006 χ^2/NDF: 9476322.2/59

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/36

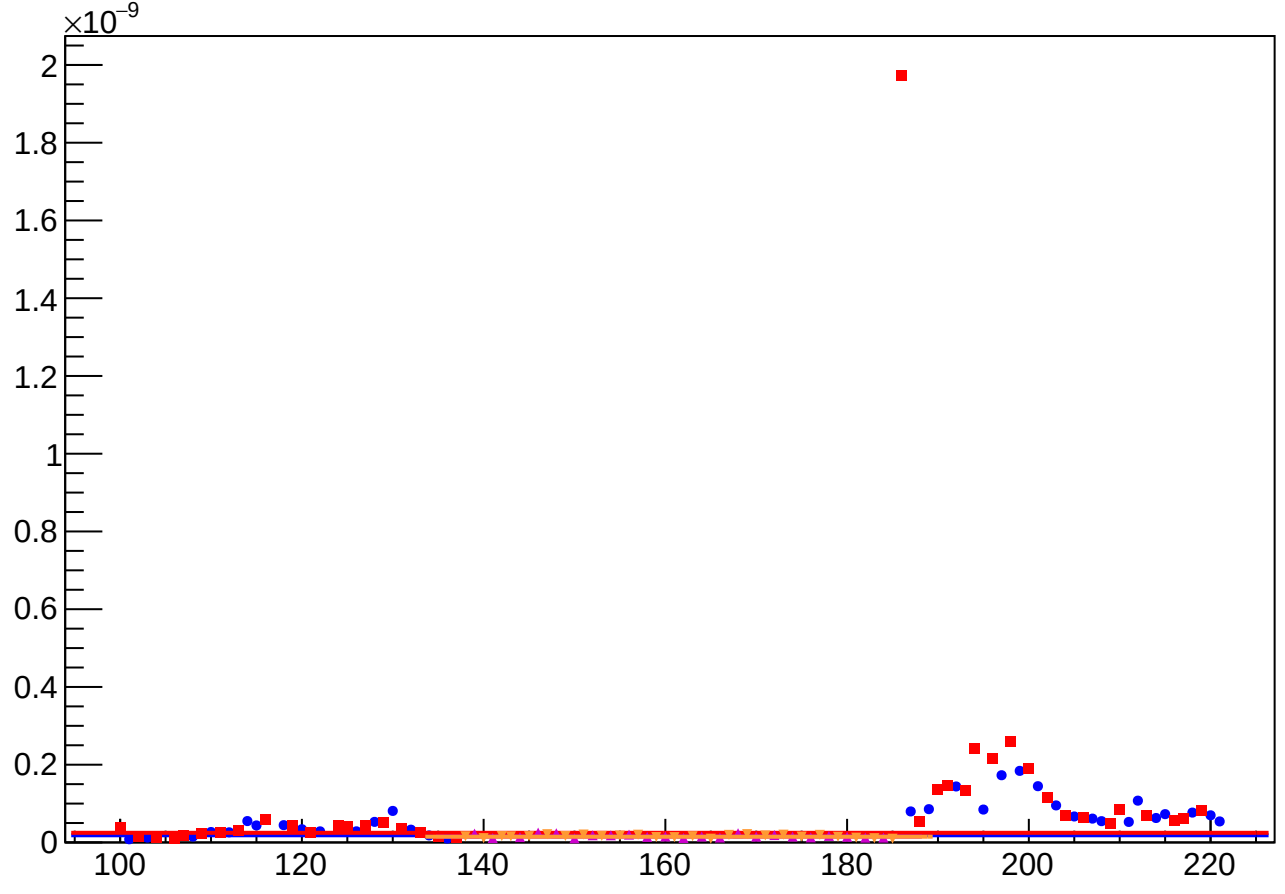
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/58

All: -0.000+/-0.000 χ^2/NDF: 111.9/118

- sign -0.000+/-0.000 χ^2/NDF: 51.8/59

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15861670.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13058384.4/36

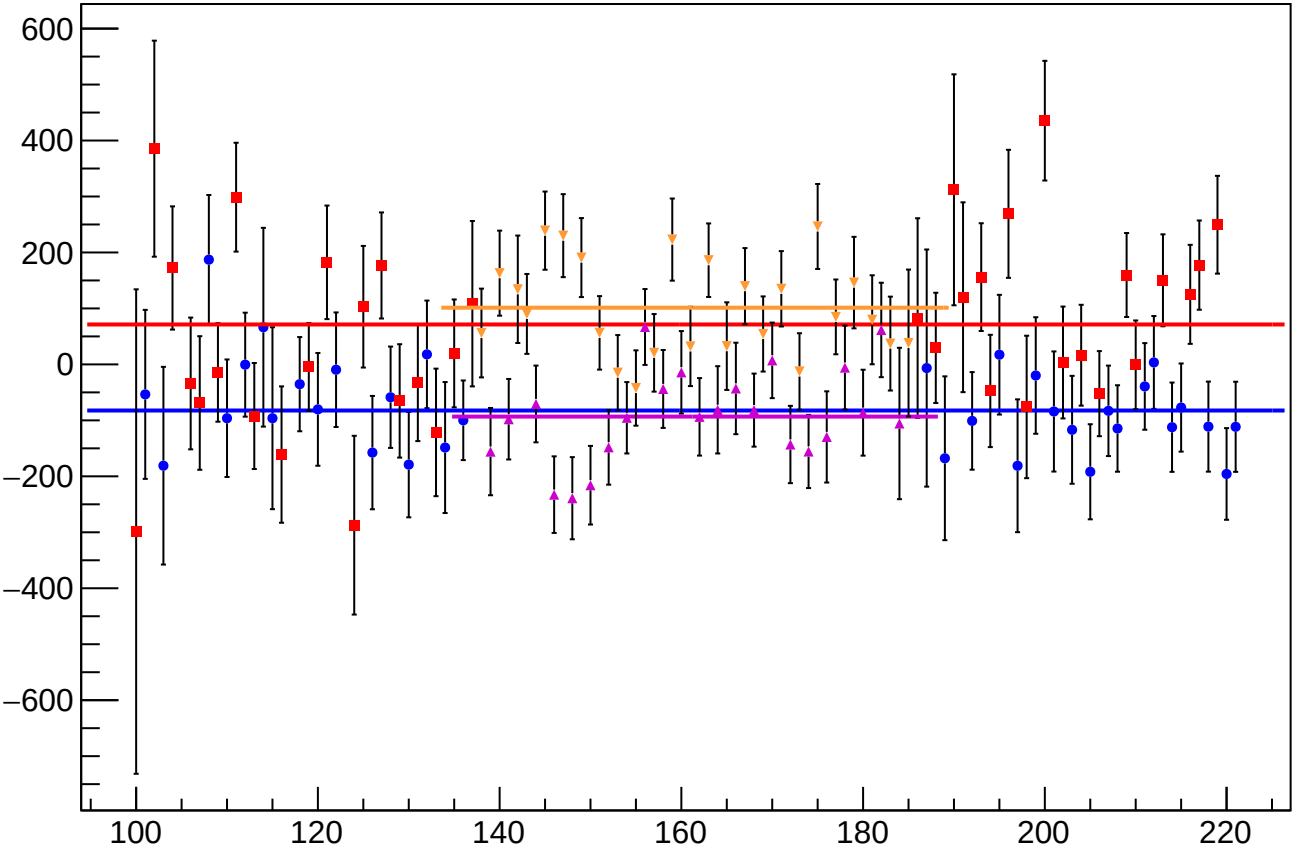
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

\+ sign 0.000+/-0.000 χ^2/NDF: 17683983.9/58

All: 0.000+/-0.000 χ^2/NDF: 34396120.5/118

\- sign 0.000+/-0.000 χ^2/NDF: 16612724.2/59

reg_asym_sam7_mean vs Slug



Right In: -82.399+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 71.342+/-16.880 χ^2/NDF: 66.6/36

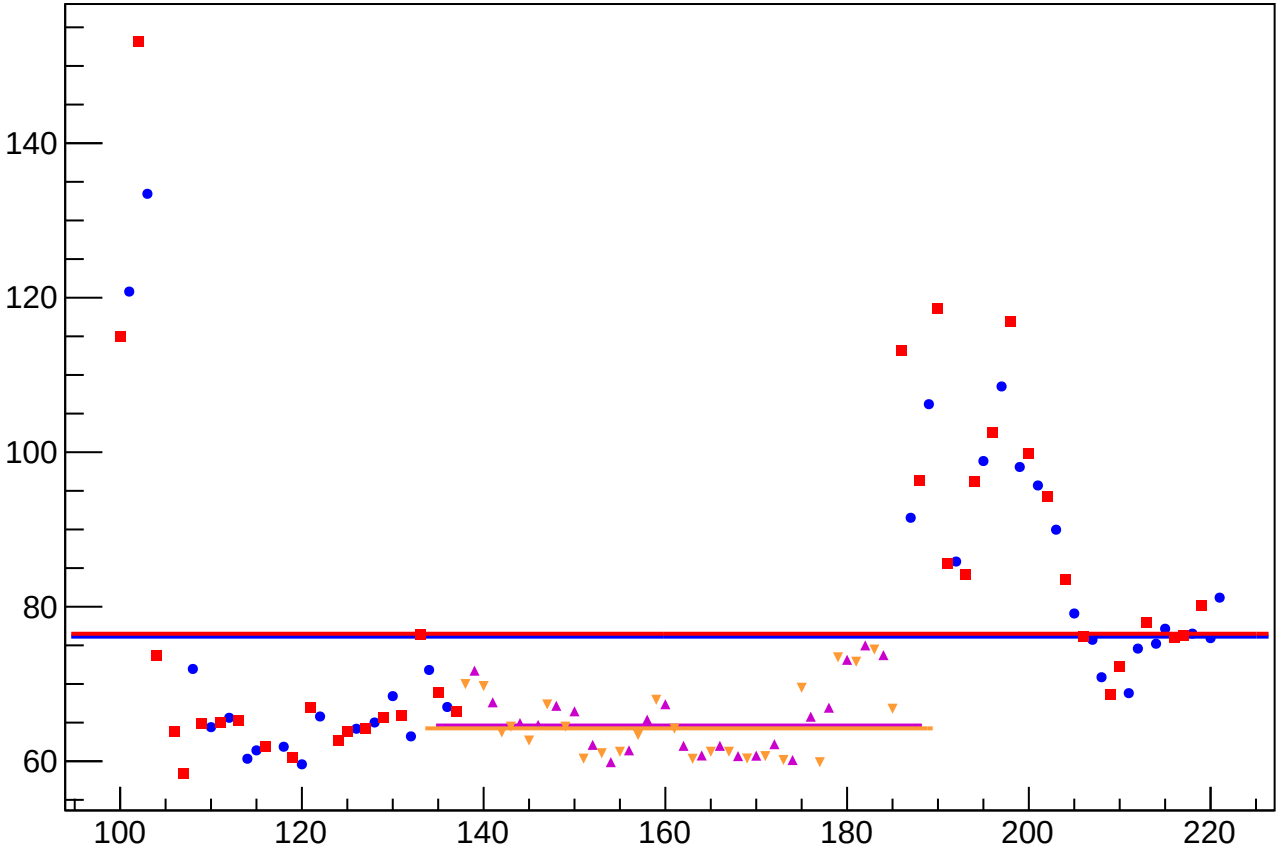
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

\+ sign 20.466+/-10.956 χ^2/NDF: 122.5/58

All: 0.861+/-7.855 χ^2/NDF: 277.3/118

\- sign -19.883+/-11.269 χ^2/NDF: 148.2/59

reg_asym_sam7_rms vs Slug



Right In: 76.129+/-0.012 χ^2/NDF: 1340224.1/33

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.503+/-0.012 χ^2/NDF: 1615606.5/36

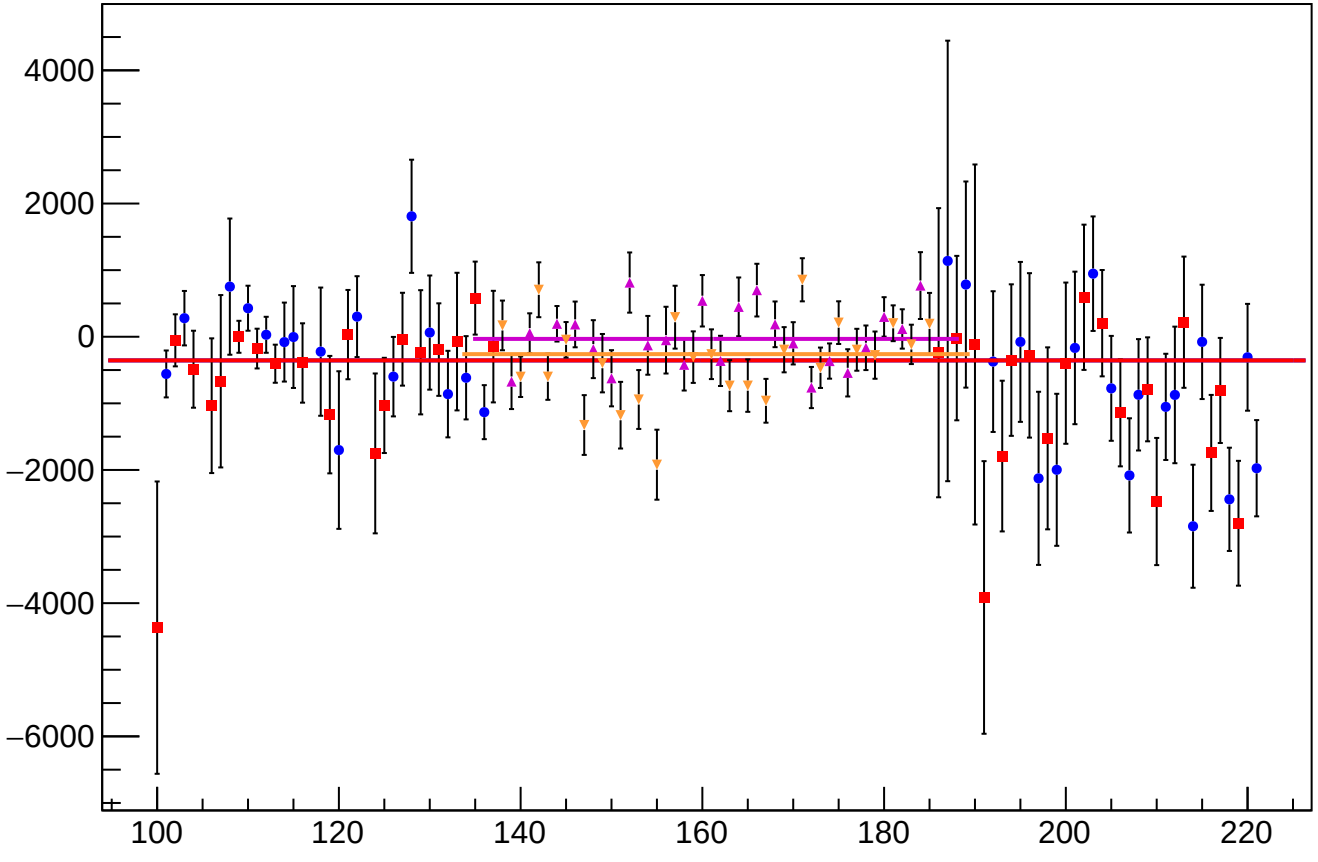
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.481+/-0.008 χ^2/NDF: 2096785.3/58

All: 69.693+/-0.006 χ^2/NDF: 4410433.8/118

- sign 69.917+/-0.008 χ^2/NDF: 2312111.0/59

asym_sam7_reg_correction_mean vs Slug



Right In: -355.554+/-109.600 χ^2/NDF: 58.0/33

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -354.968+/-106.269 χ^2/NDF: 36.8/36

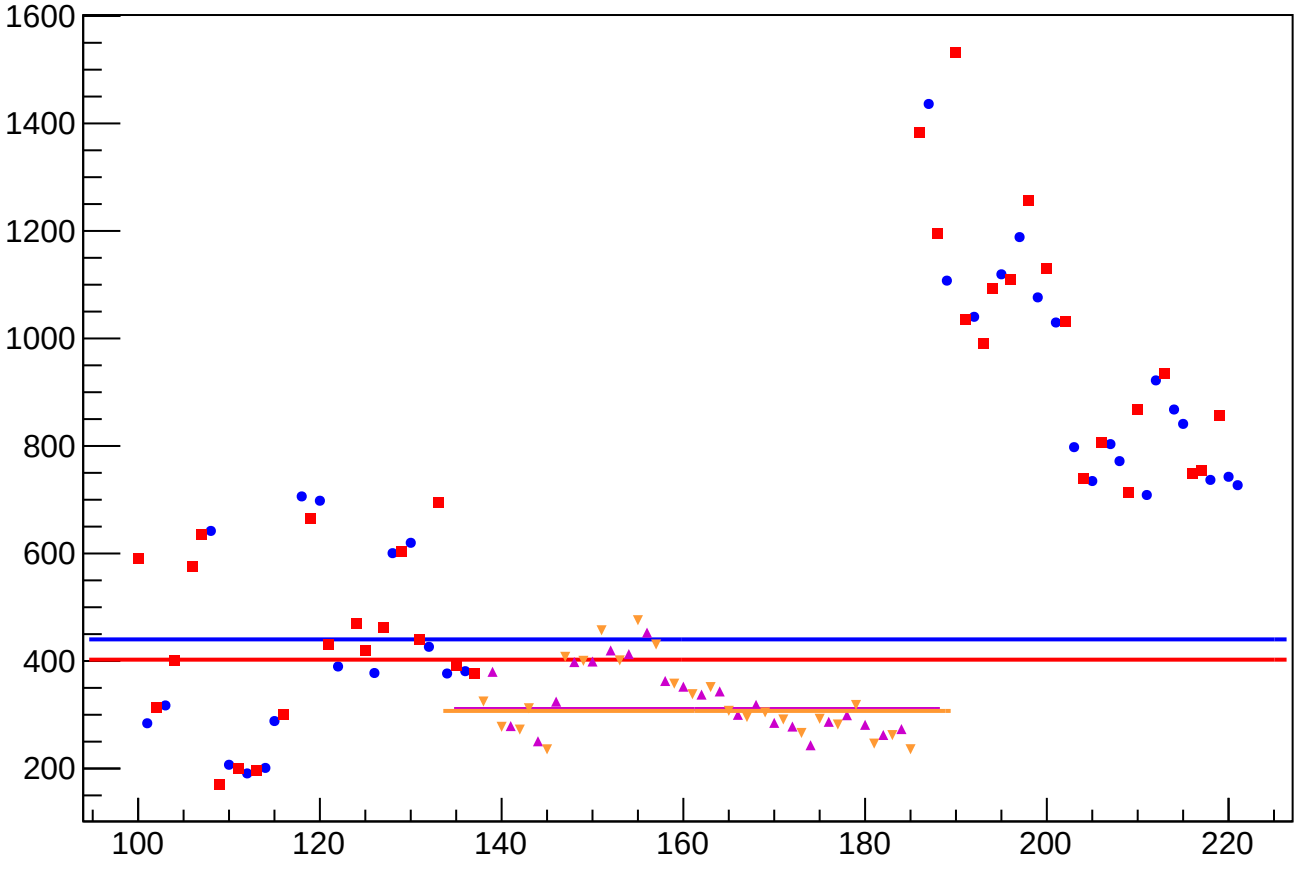
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -289.186+/-59.747 χ^2/NDF: 117.3/58

All: -214.434+/-42.559 χ^2/NDF: 195.2/118

- sign -137.438+/-60.637 χ^2/NDF: 74.7/59

asym_sam7_reg_correction_rms vs Slug



Right In: 440.203+/-0.077 χ^2/NDF: 11596060.0/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 402.495+/-0.075 χ^2/NDF: 13899248.0/36

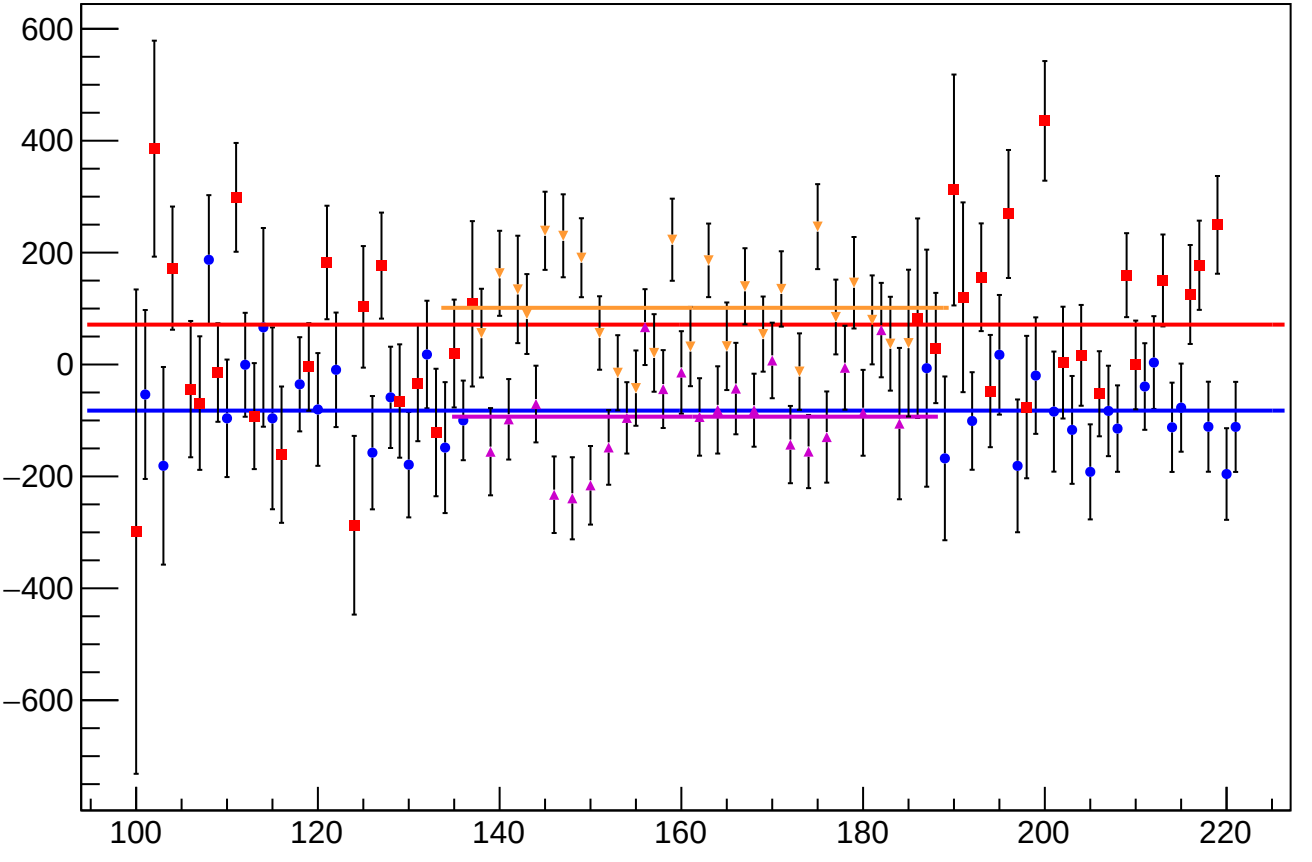
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 346.686+/-0.042 χ^2/NDF: 14988018.8/58

All: 343.681+/-0.030 χ^2/NDF: 30983501.2/11

- sign 340.585+/-0.043 χ^2/NDF: 15985210.9/59

cor_asym_sam7_mean vs Slug



Right In: -82.400+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 71.294+/-16.892 χ^2/NDF: 66.7/36

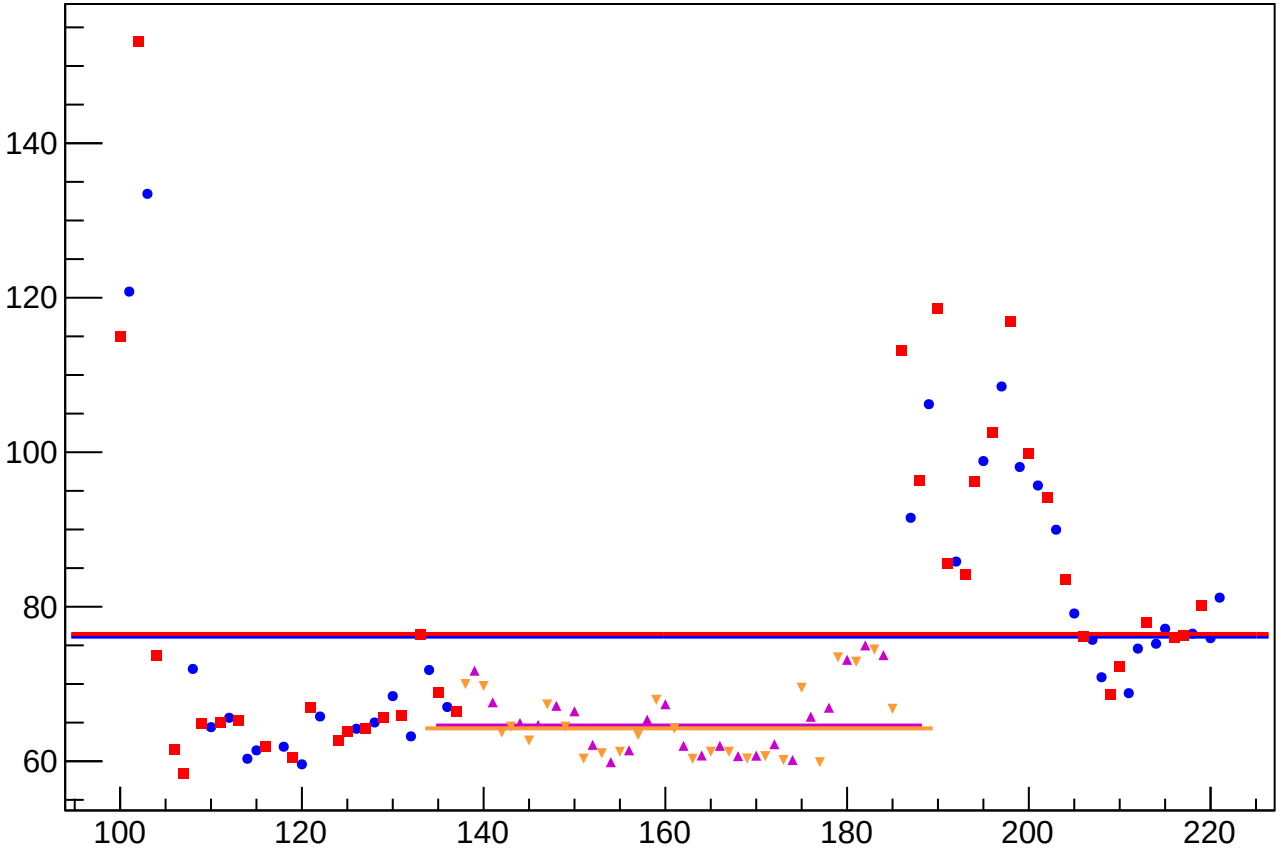
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

\+ sign 20.465+/-10.956 χ^2/NDF: 122.5/58

All: 0.829+/-7.857 χ^2/NDF: 277.3/118

\- sign -19.959+/-11.273 χ^2/NDF: 148.2/59

cor_asym_sam7_rms vs Slug



Right In: 76.129+/-0.012 χ^2/NDF: 1340224.4/33

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

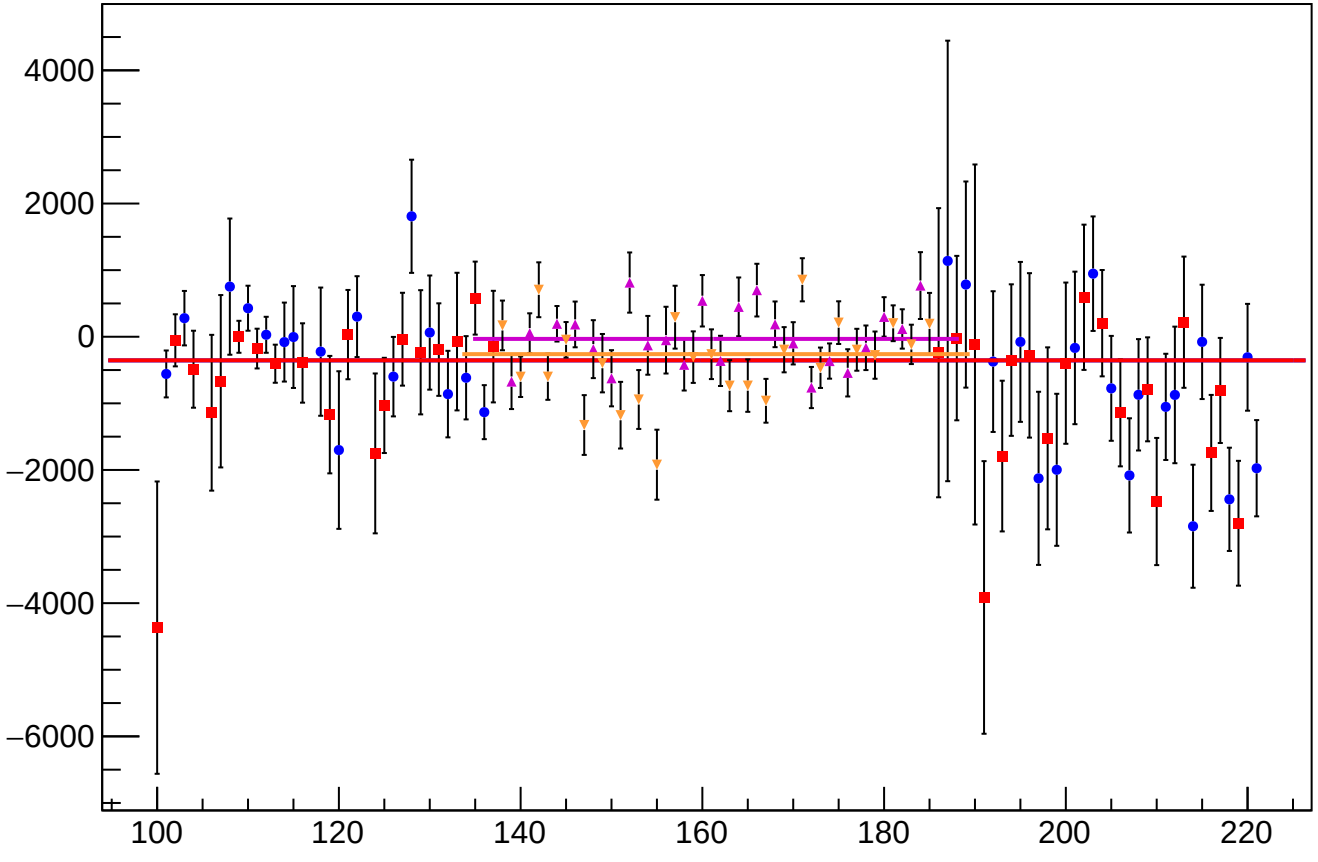
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.481+/-0.008 χ^2/NDF: 2096785.6/58

All: 69.685+/-0.006 χ^2/NDF: 4414569.5/118

- sign 69.901+/-0.008 χ^2/NDF: 2316361.7/59

asym_sam7_cor_correction_mean vs Slug



Right In: -355.553+/-109.600 χ^2/NDF: 58.0/33

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -353.960+/-106.421 χ^2/NDF: 36.8/36

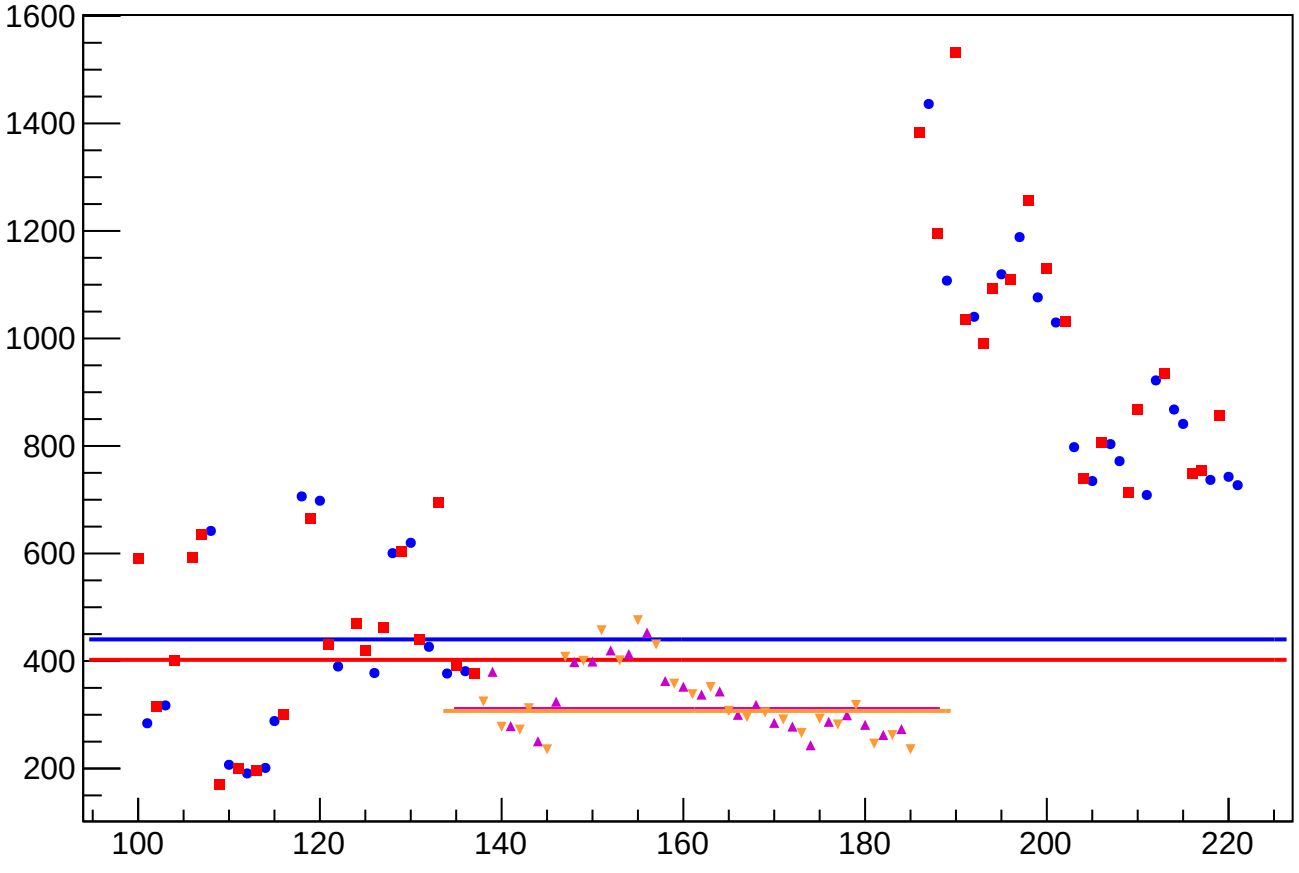
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -289.186+/-59.747 χ^2/NDF: 117.3/58

All: -214.207+/-42.569 χ^2/NDF: 195.2/118

- sign -136.906+/-60.665 χ^2/NDF: 74.6/59

asym_sam7_cor_correction_rms vs Slug



Right In: 440.206+/-0.077 χ^2/NDF: 11595973.5/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

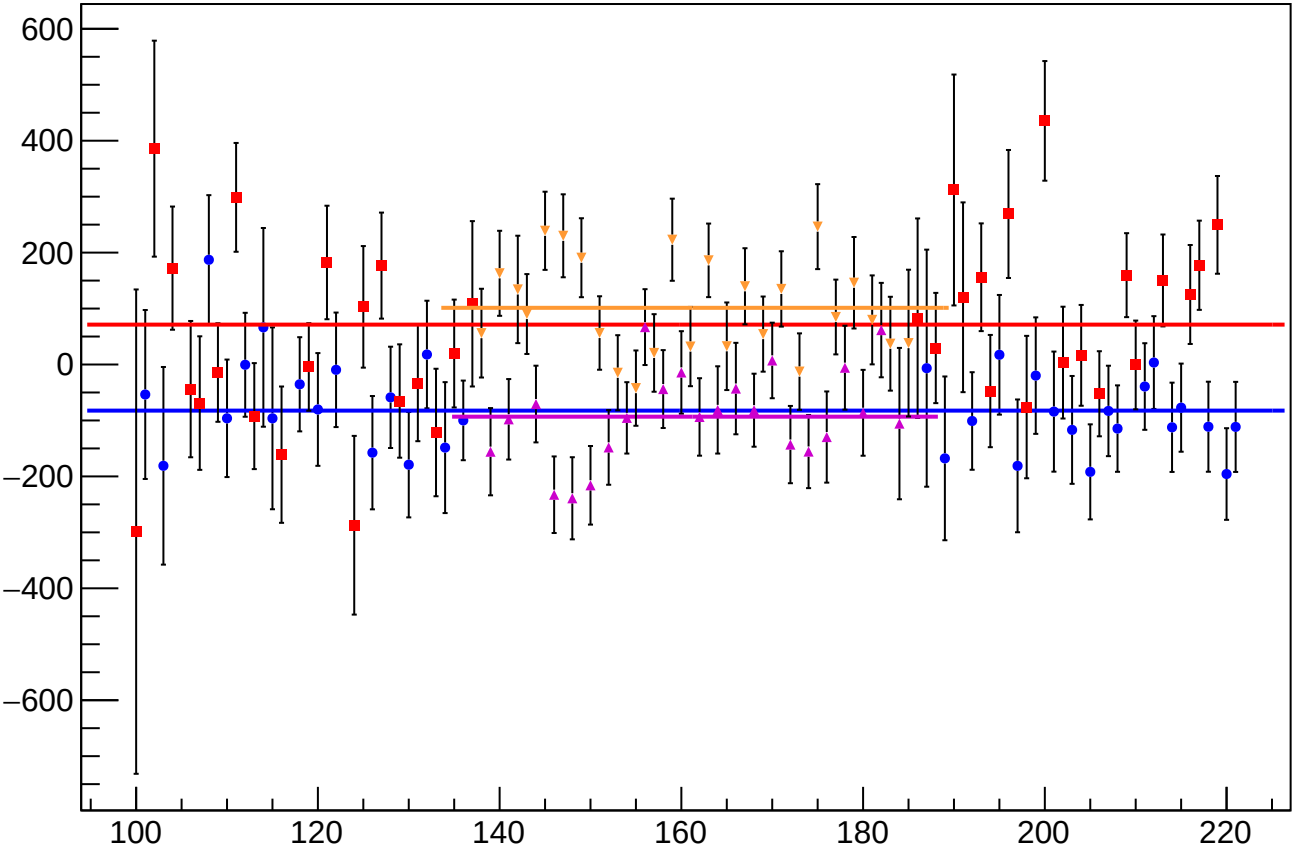
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 346.686+/-0.042 χ^2/NDF: 14988002.0/58

All: 343.603+/-0.030 χ^2/NDF: 30969508.6/11

- sign 340.425+/-0.043 χ^2/NDF: 15970691.1/59

eigen_cor_asym_sam7_mean vs Slug



Right In: -82.400+/-16.514 χ^2/NDF: 19.4/33

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 71.294+/-16.892 χ^2/NDF: 66.7/36

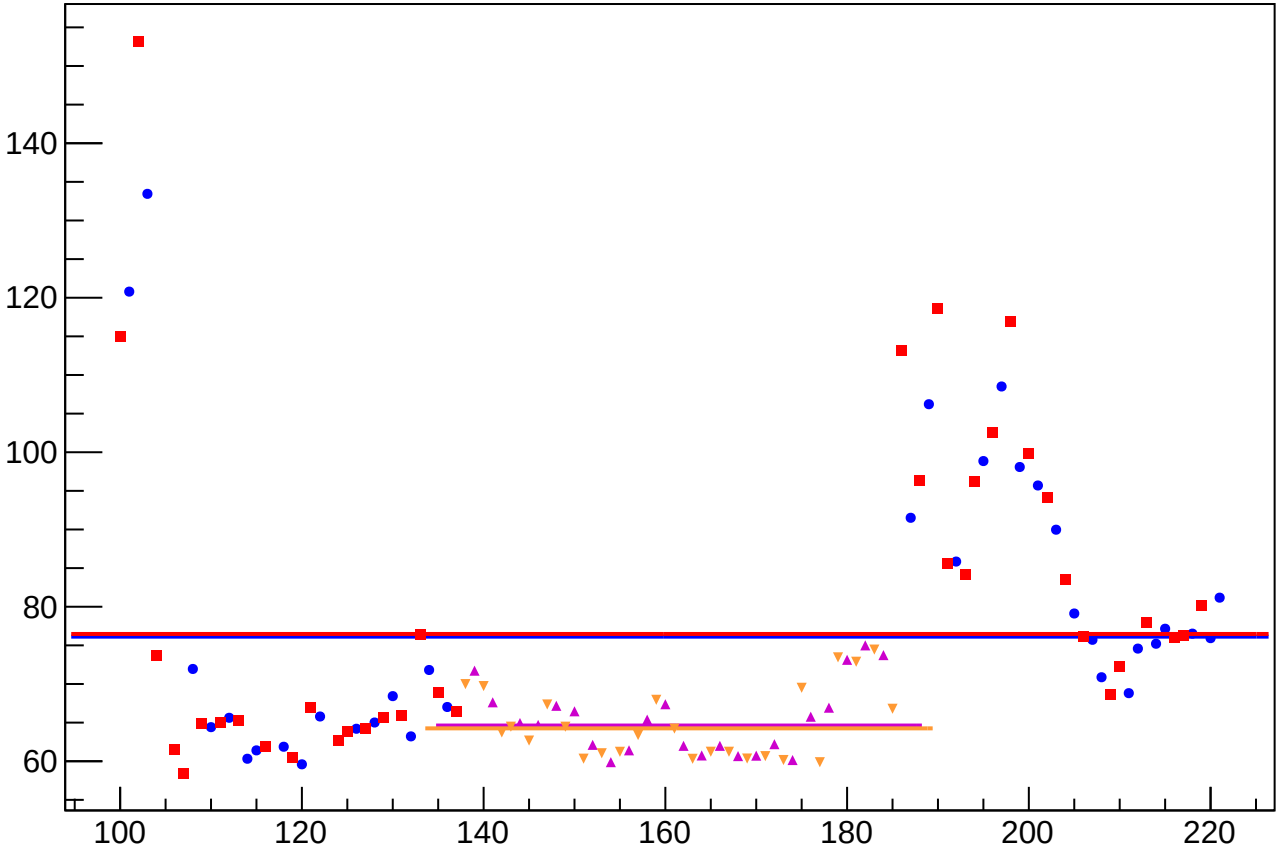
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

\+ sign 20.465+/-10.956 χ^2/NDF: 122.5/58

All: 0.829+/-7.857 χ^2/NDF: 277.3/118

\- sign -19.959+/-11.273 χ^2/NDF: 148.2/59

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.129+/-0.012 χ^2/NDF: 1340224.4/33

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

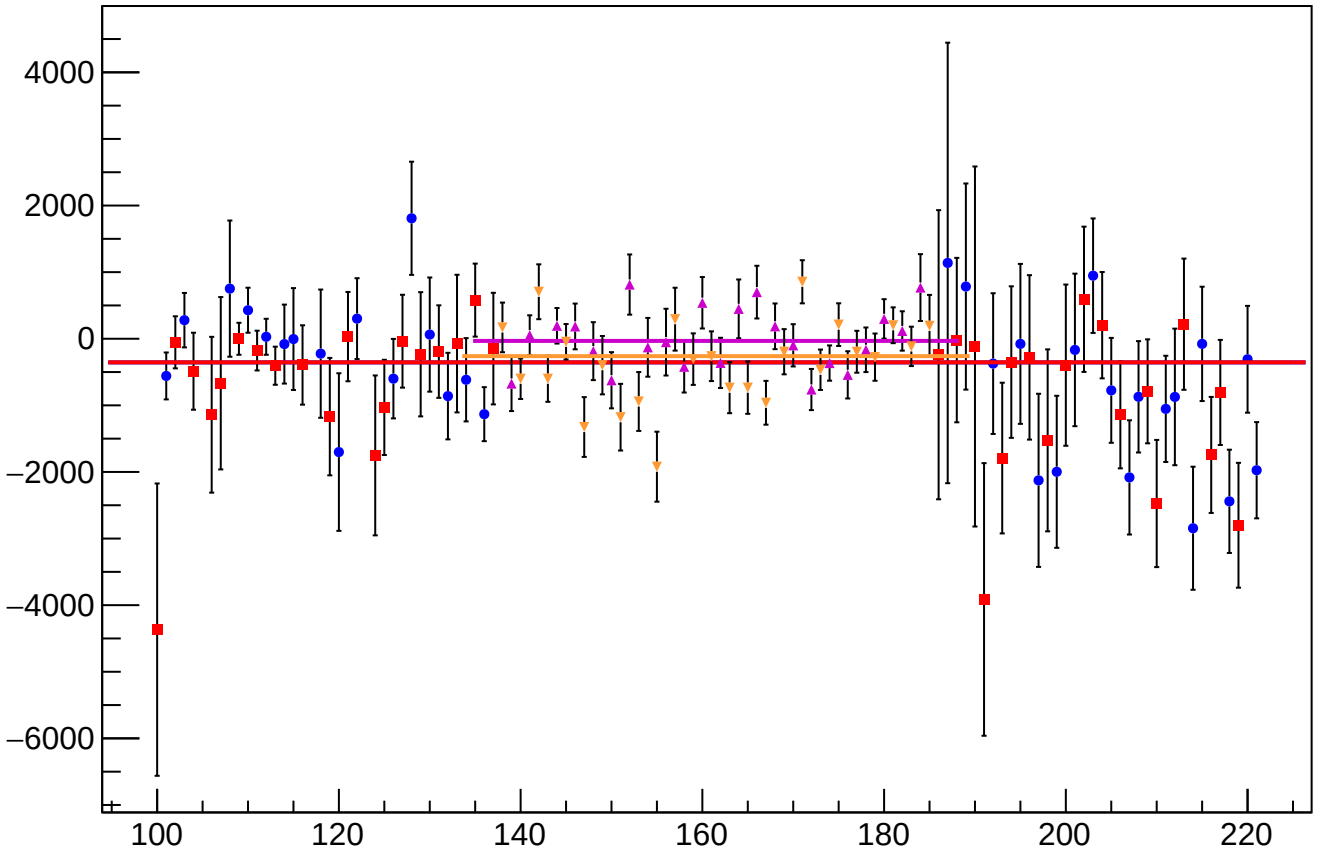
Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.481+/-0.008 χ^2/NDF: 2096785.6/58

All: 69.685+/-0.006 χ^2/NDF: 4414569.5/118

- sign 69.901+/-0.008 χ^2/NDF: 2316361.7/59



Right In: -355.553+/-109.600 χ^2/NDF: 58.0/33

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -353.960+/-106.421 χ^2/NDF: 36.8/36

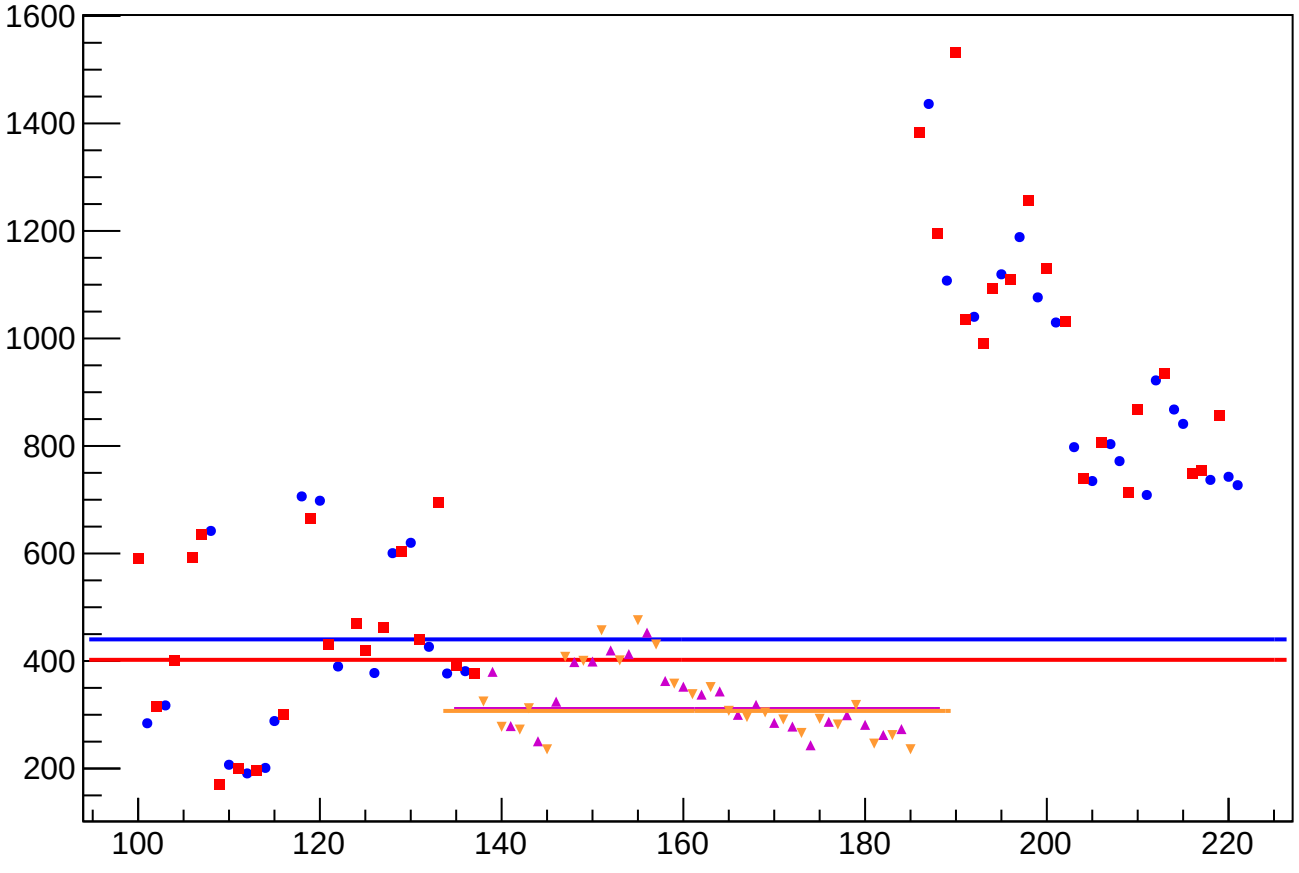
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -289.186+/-59.747 χ^2/NDF: 117.3/58

All: -214.207+/-42.569 χ^2/NDF: 195.2/118

- sign -136.906+/-60.665 χ^2/NDF: 74.6/59

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 440.206+/-0.077 χ^2/NDF: 11595973.5/33

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

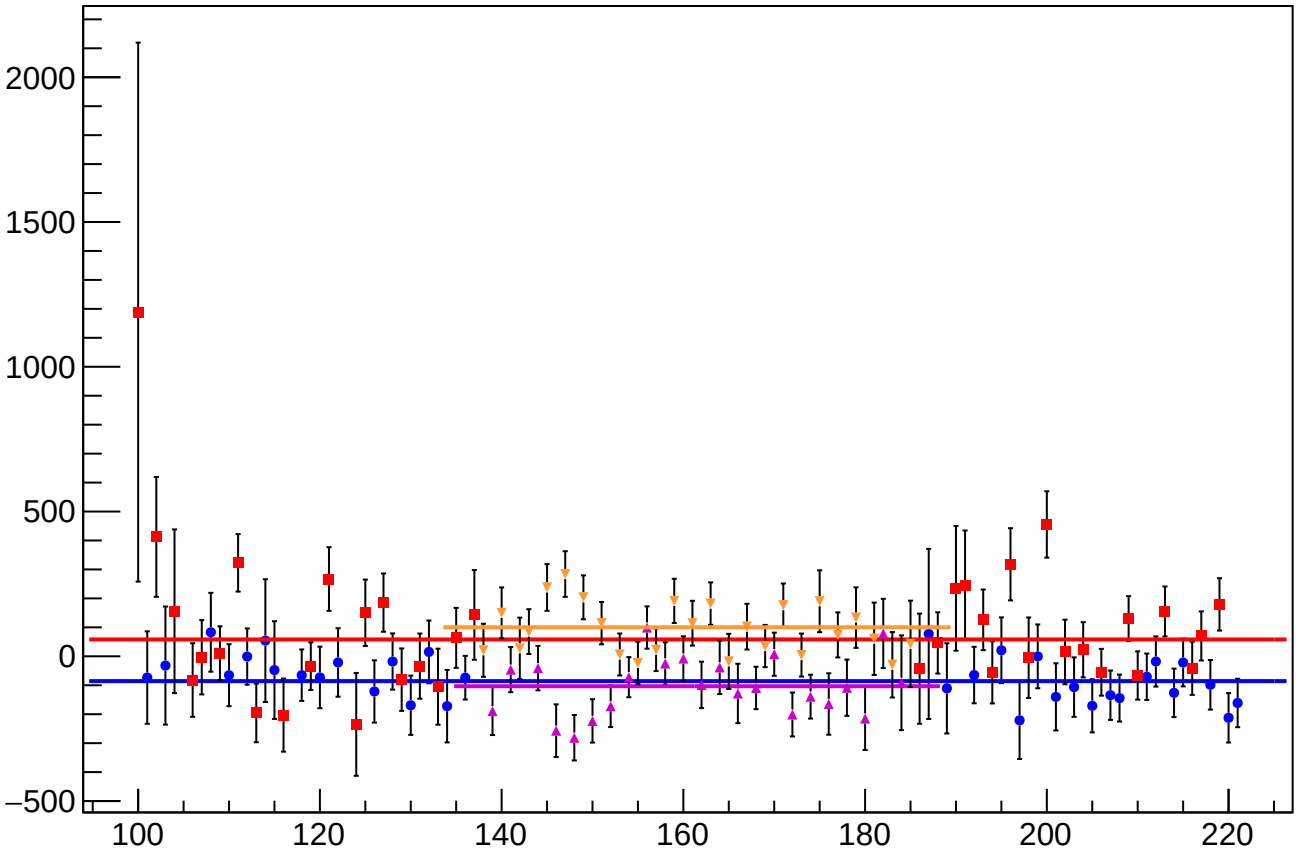
Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 346.686+/-0.042 χ^2/NDF: 14988002.0/58

All: 343.603+/-0.030 χ^2/NDF: 30969508.6/11

- sign 340.425+/-0.043 χ^2/NDF: 15970691.1/59



Right In: -85.747+/-17.637 χ^2/NDF: 15.3/33

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 58.175+/-18.145 χ^2/NDF: 67.6/36

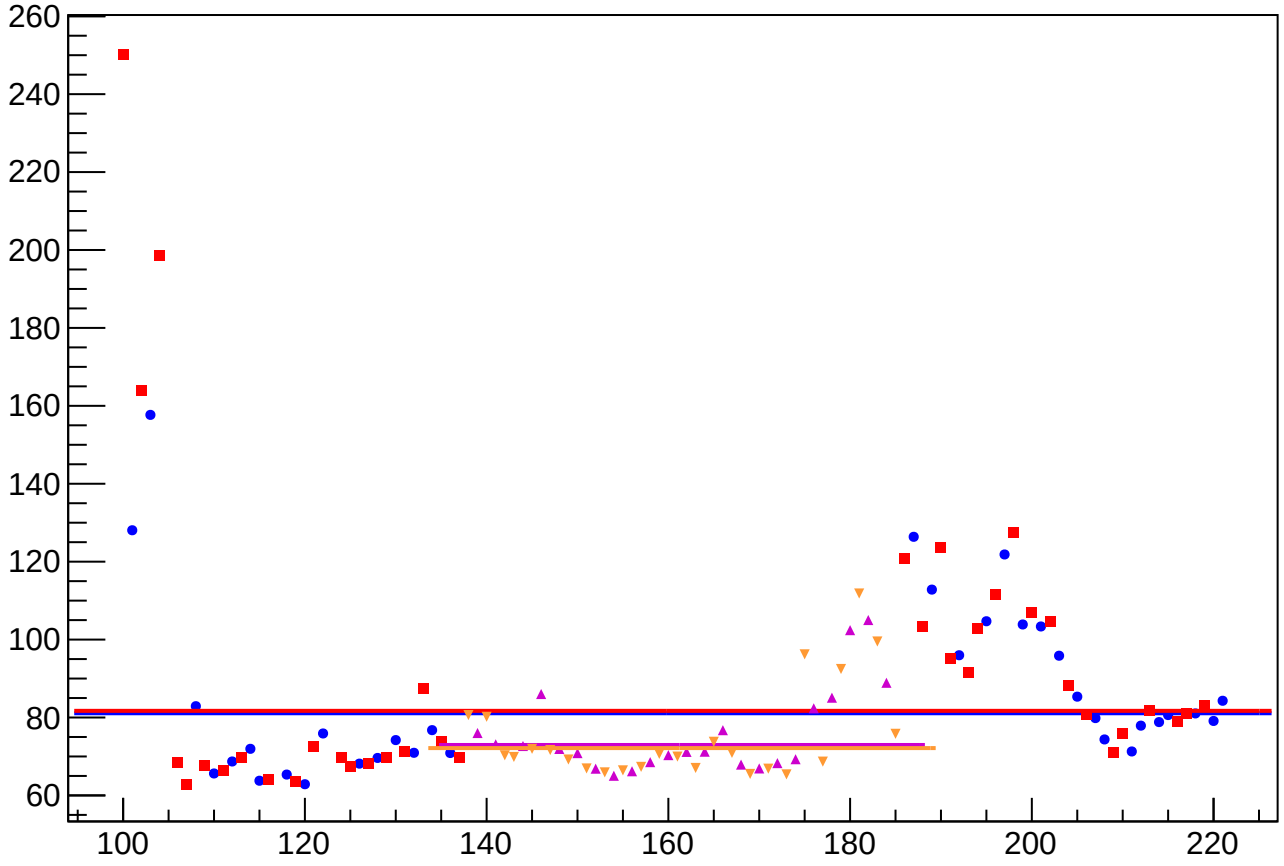
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 12.754+/-12.098 χ^2/NDF: 101.9/58

All: -6.283+/-8.695 χ^2/NDF: 248.9/118

- sign -26.628+/-12.506 χ^2/NDF: 141.9/59

dit_asym_sam7_rms vs Slug



Right In: 81.091+/-0.012 χ^2/NDF: 1509435.4/33

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129311.2/36

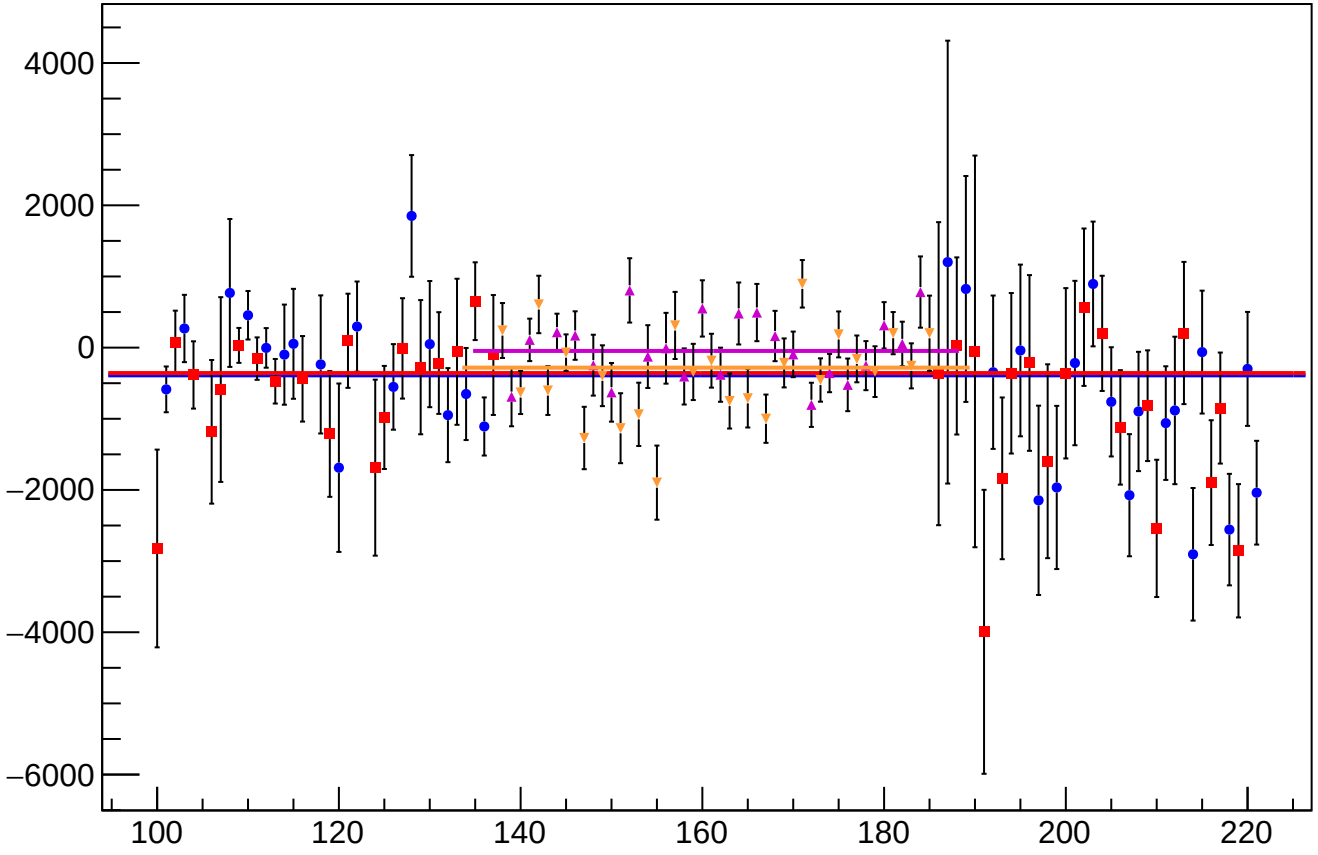
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 76.356+/-0.009 χ^2/NDF: 2423585.5/58

All: 76.721+/-0.006 χ^2/NDF: 5310527.8/118

- sign 77.111+/-0.009 χ^2/NDF: 2883185.3/59

asym_sam7_dit_correction_mean vs Slug



Right In: -389.398+/-111.398 χ^2/NDF: 58.0/33

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -357.432+/-108.017 χ^2/NDF: 39.5/36

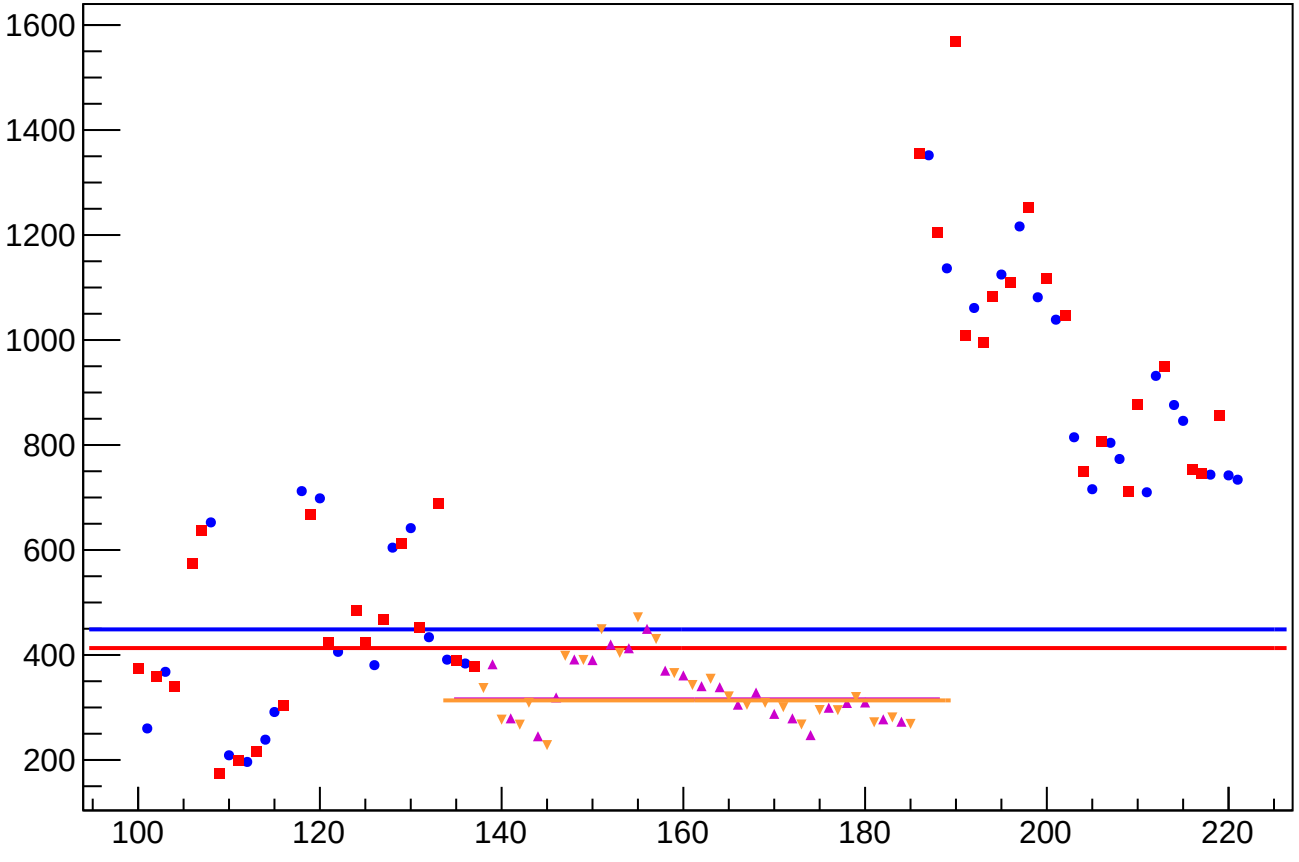
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -313.420+/-60.787 χ^2/NDF: 115.5/58

All: -231.493+/-43.250 χ^2/NDF: 195.0/118

- sign -147.499+/-61.549 χ^2/NDF: 75.8/59

asym_sam7_dit_correction_rms vs Slug



Right In: 448.755+/-0.079 χ^2/NDF: 11416472.7/33

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 413.179+/-0.076 χ^2/NDF: 13387406.9/36

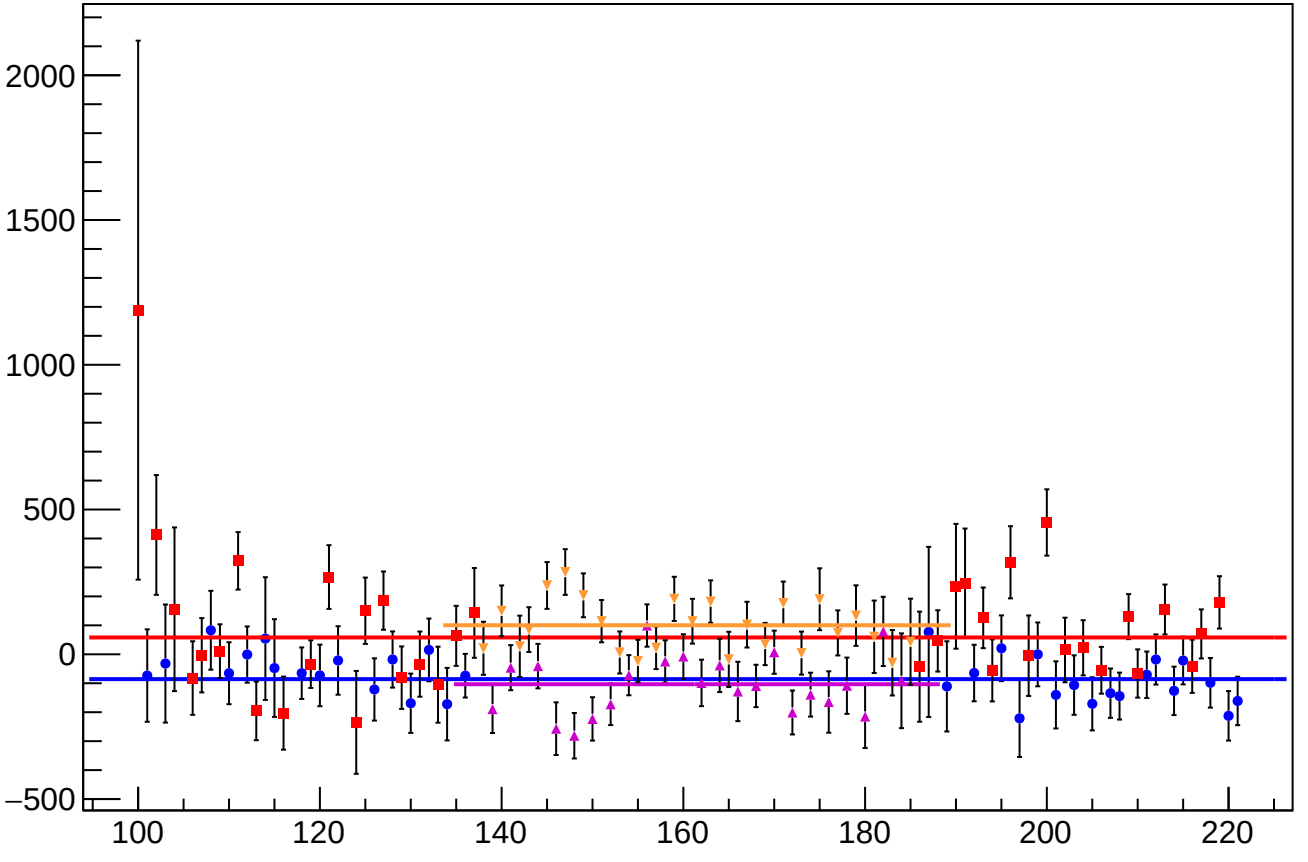
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 353.773+/-0.043 χ^2/NDF: 14662459.9/58

All: 350.520+/-0.031 χ^2/NDF: 30175474.4/11

- sign 347.184+/-0.044 χ^2/NDF: 15501411.4/59

eigen_dit_asym_sam7_mean vs Slug



Right In: -85.746+/-17.637 χ^2/NDF: 15.3/33

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 58.177+/-18.145 χ^2/NDF: 67.6/36

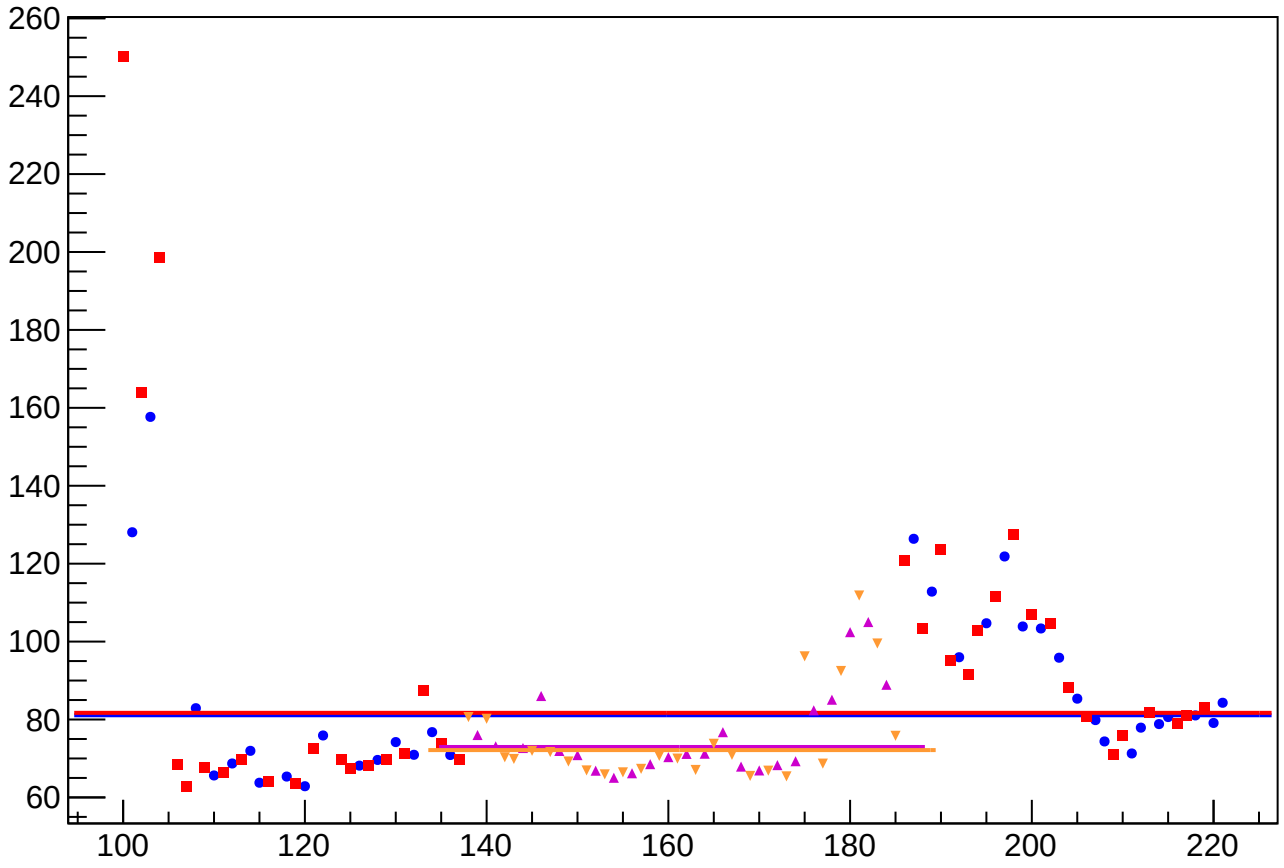
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 12.754+/-12.098 χ^2/NDF: 101.9/58

All: -6.283+/-8.695 χ^2/NDF: 248.9/118

- sign -26.627+/-12.506 χ^2/NDF: 141.9/59

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.091+/-0.012 χ^2/NDF: 1509442.1/33

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129312.6/36

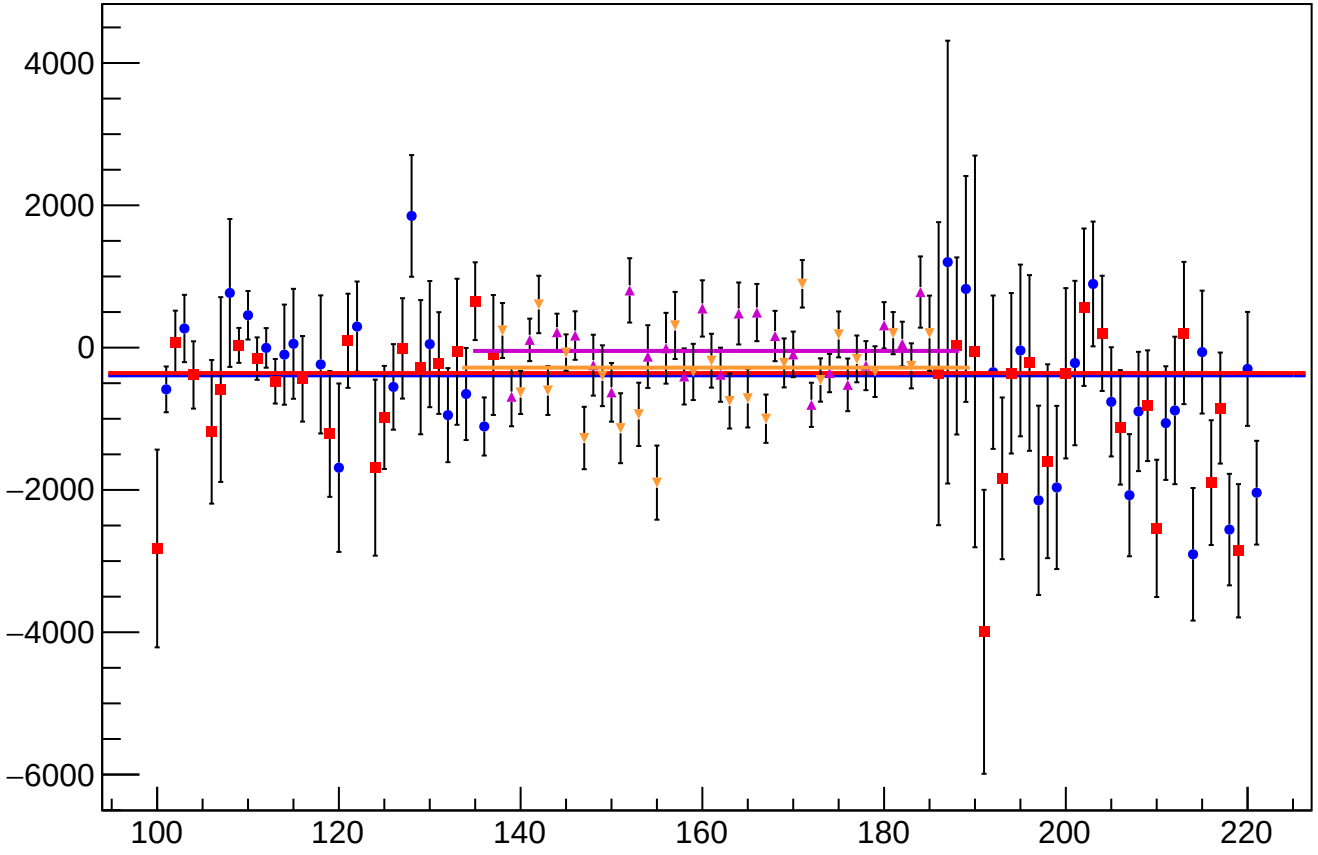
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 76.356+/-0.009 χ^2/NDF: 2423586.0/58

All: 76.721+/-0.006 χ^2/NDF: 5310524.2/118

- sign 77.111+/-0.009 χ^2/NDF: 2883181.3/59

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -389.394+/-111.398 χ^2/NDF: 58.0/33

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -357.430+/-108.017 χ^2/NDF: 39.5/36

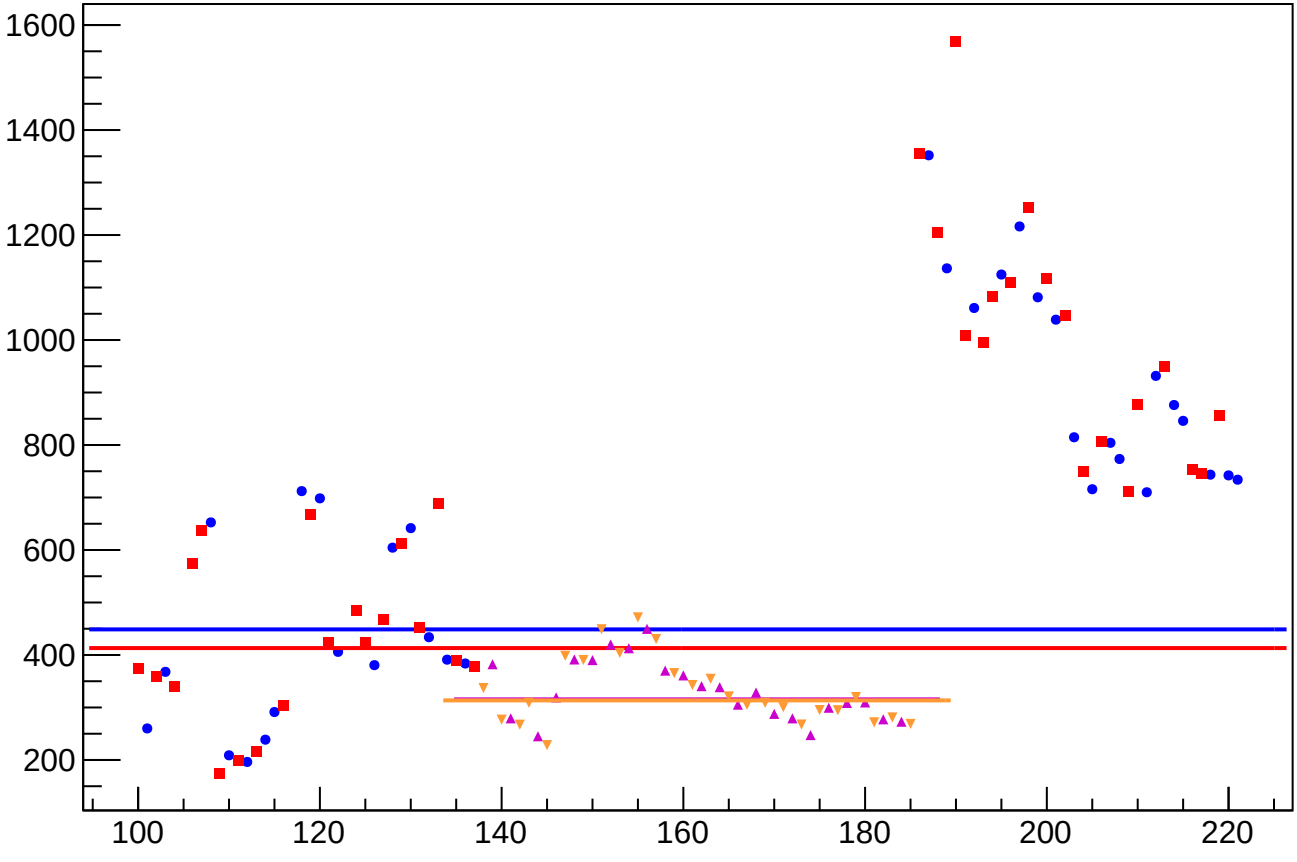
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -313.419+/-60.787 χ^2/NDF: 115.5/58

All: -231.493+/-43.250 χ^2/NDF: 195.0/118

- sign -147.499+/-61.549 χ^2/NDF: 75.8/59

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 448.752+/-0.079 χ^2/NDF: 11416617.6/33

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

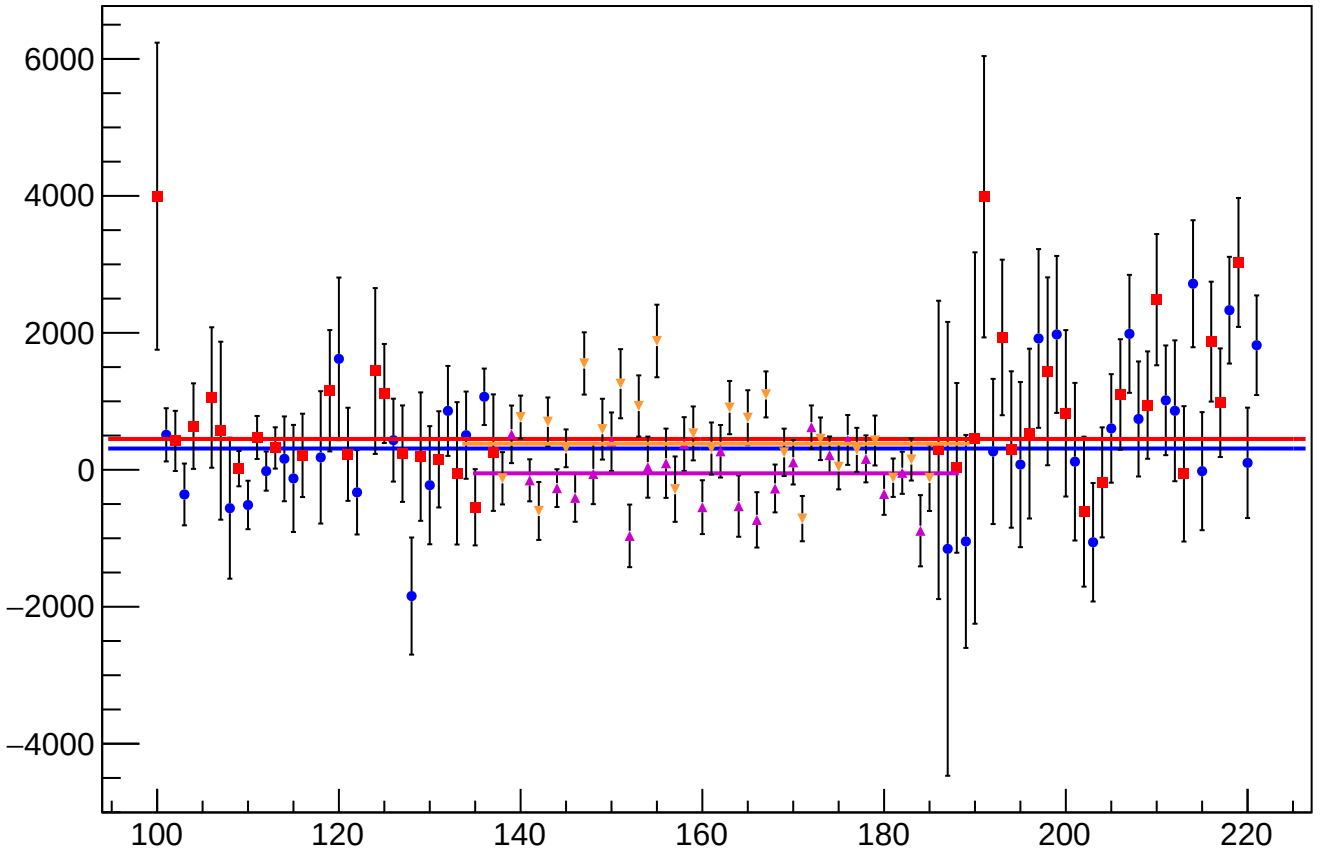
Right Out: 413.177+/-0.076 χ^2/NDF: 13387486.1/36

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 353.772+/-0.043 χ^2/NDF: 14662528.1/58

All: 350.519+/-0.031 χ^2/NDF: 30175572.3/11

- sign 347.184+/-0.044 χ^2/NDF: 15501442.2/59



Right In: 310.584+/-113.650 χ^2/NDF: 53.9/33

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 450.161+/-110.810 χ^2/NDF: 35.6/36

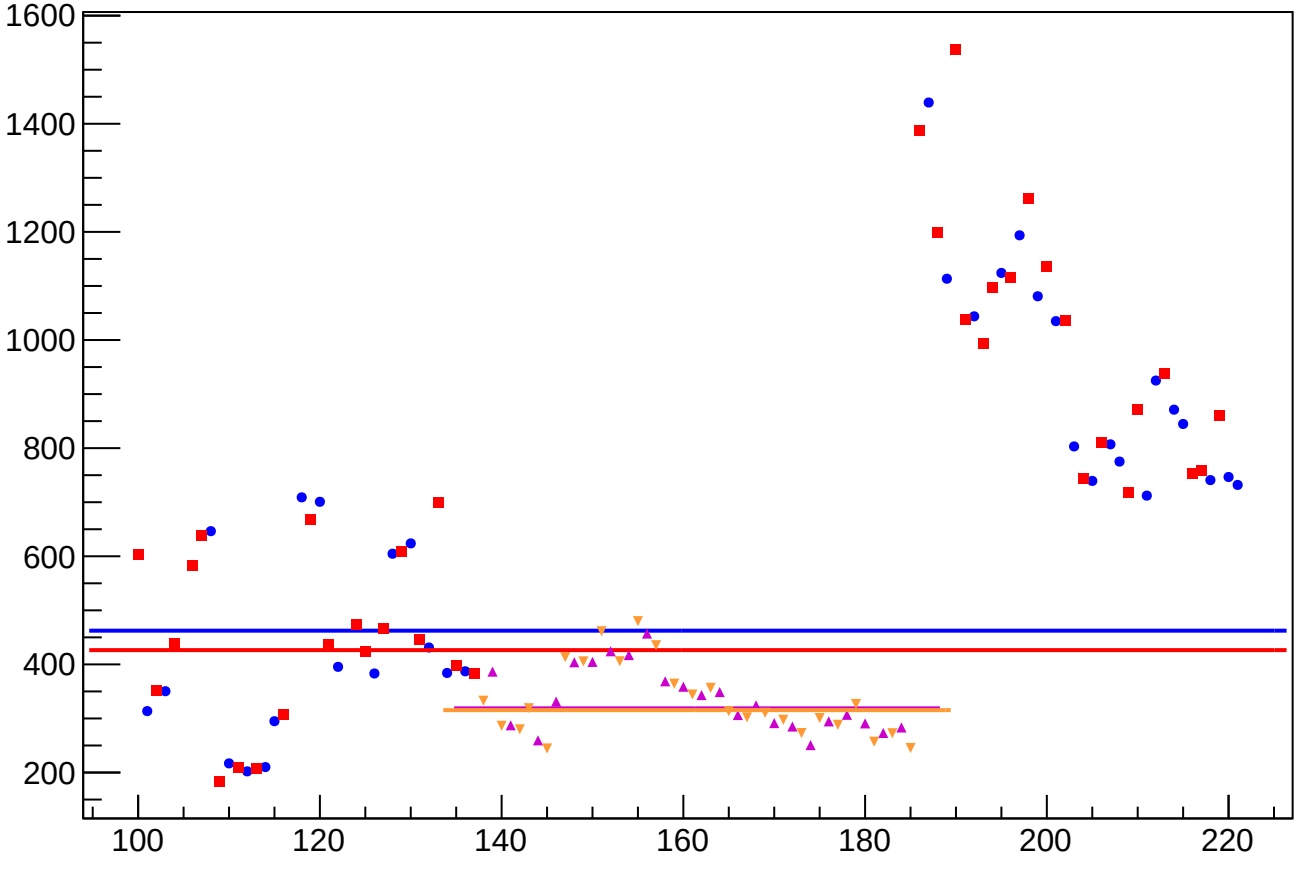
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 360.144+/-61.455 χ^2/NDF: 109.6/58

All: 236.102+/-43.808 χ^2/NDF: 195.7/118

- sign 107.940+/-62.467 χ^2/NDF: 77.8/59

asym_sam7_rms vs Slug



Right In: 462.394+/-0.080 χ^2/NDF: 10762364.0/33

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 426.417+/-0.078 χ^2/NDF: 13007069.0/36

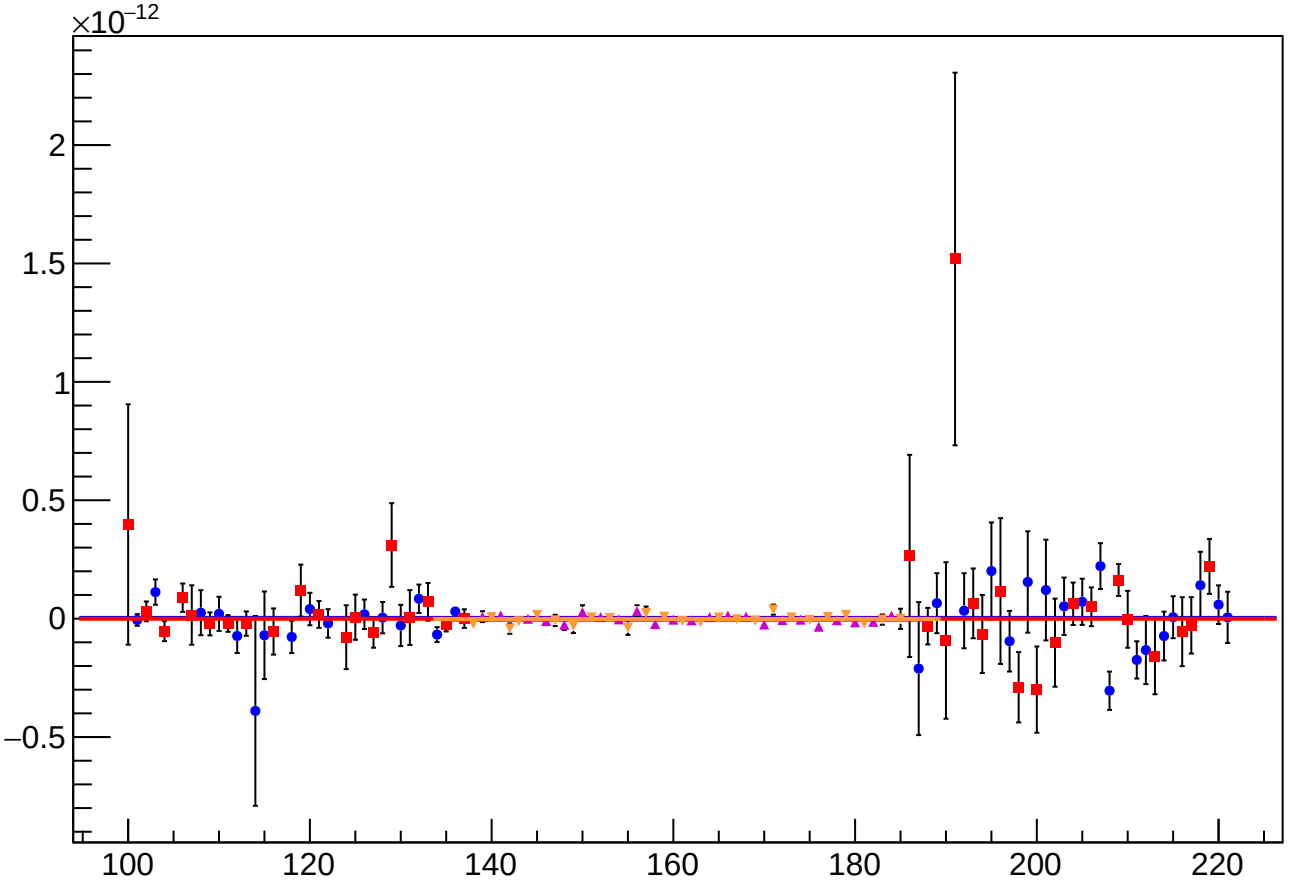
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 358.377+/-0.043 χ^2/NDF: 14340053.4/58

All: 355.695+/-0.031 χ^2/NDF: 29636053.0/11

- sign 352.923+/-0.044 χ^2/NDF: 15288251.9/59

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

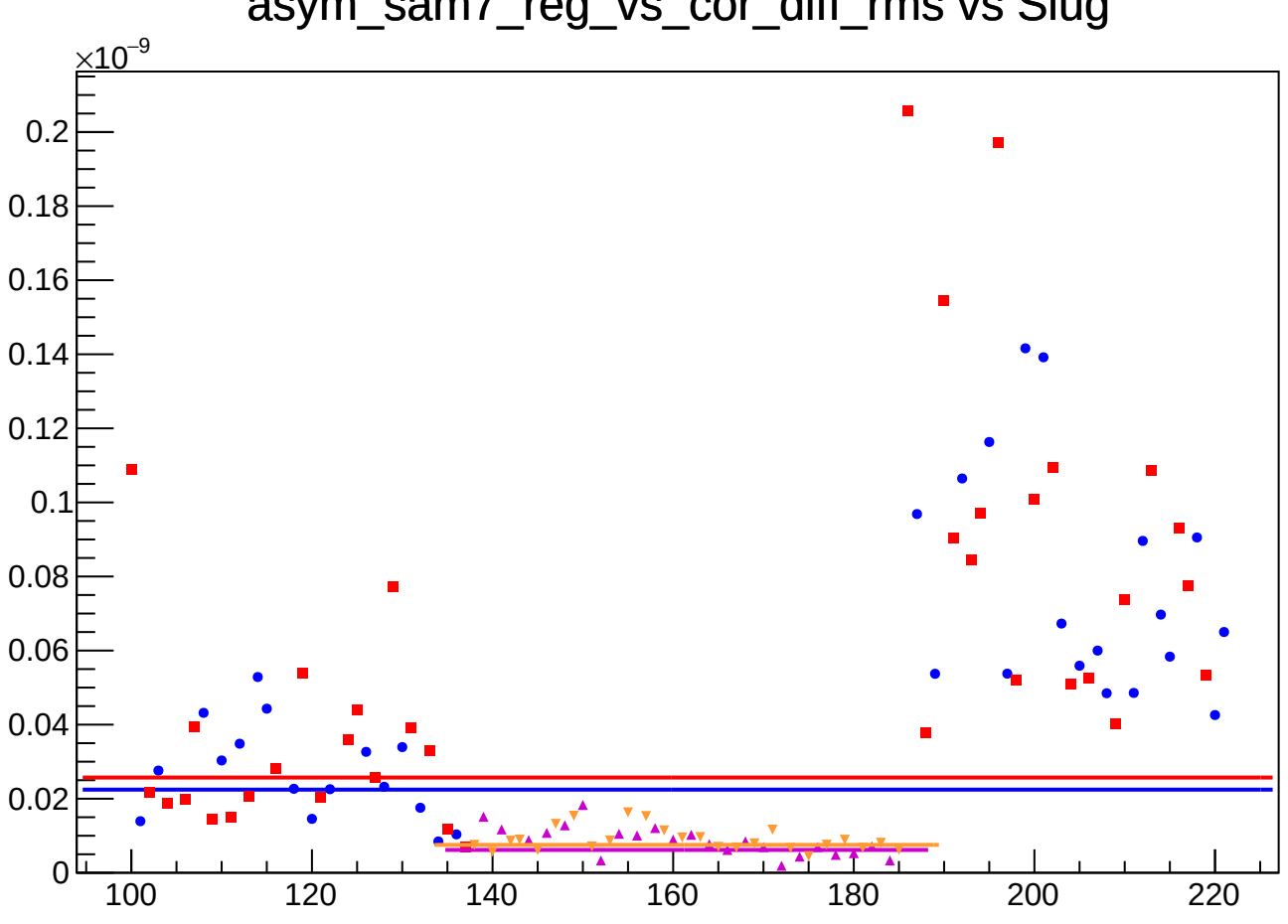
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.4/58

All: -0.000+/-0.000 χ^2/NDF: 122.8/118

- sign -0.000+/-0.000 χ^2/NDF: 53.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7838650.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6926409.0/36

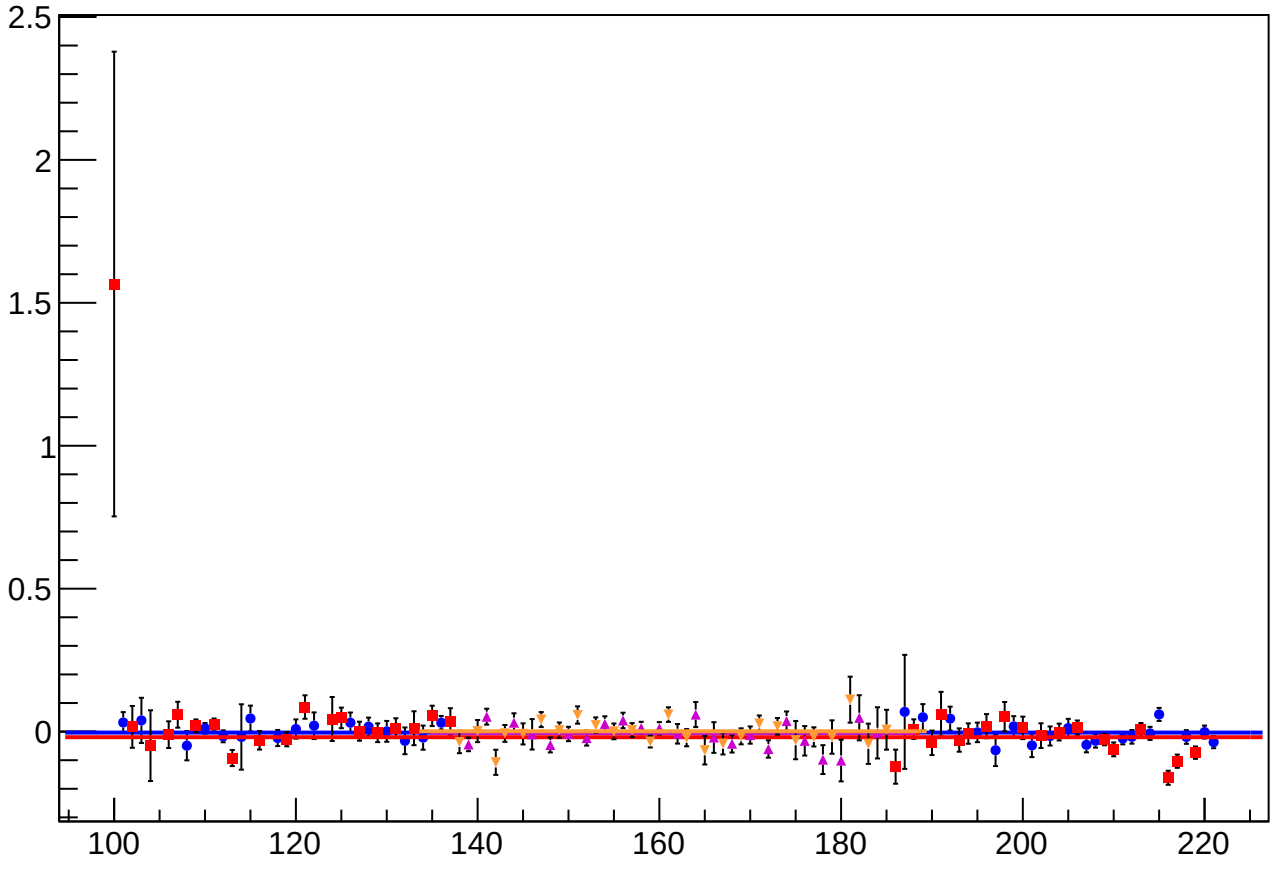
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12979136.8/58

All: 0.000+/-0.000 χ^2/NDF: 28143679.0/118

- sign 0.000+/-0.000 χ^2/NDF: 14906051.8/59

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

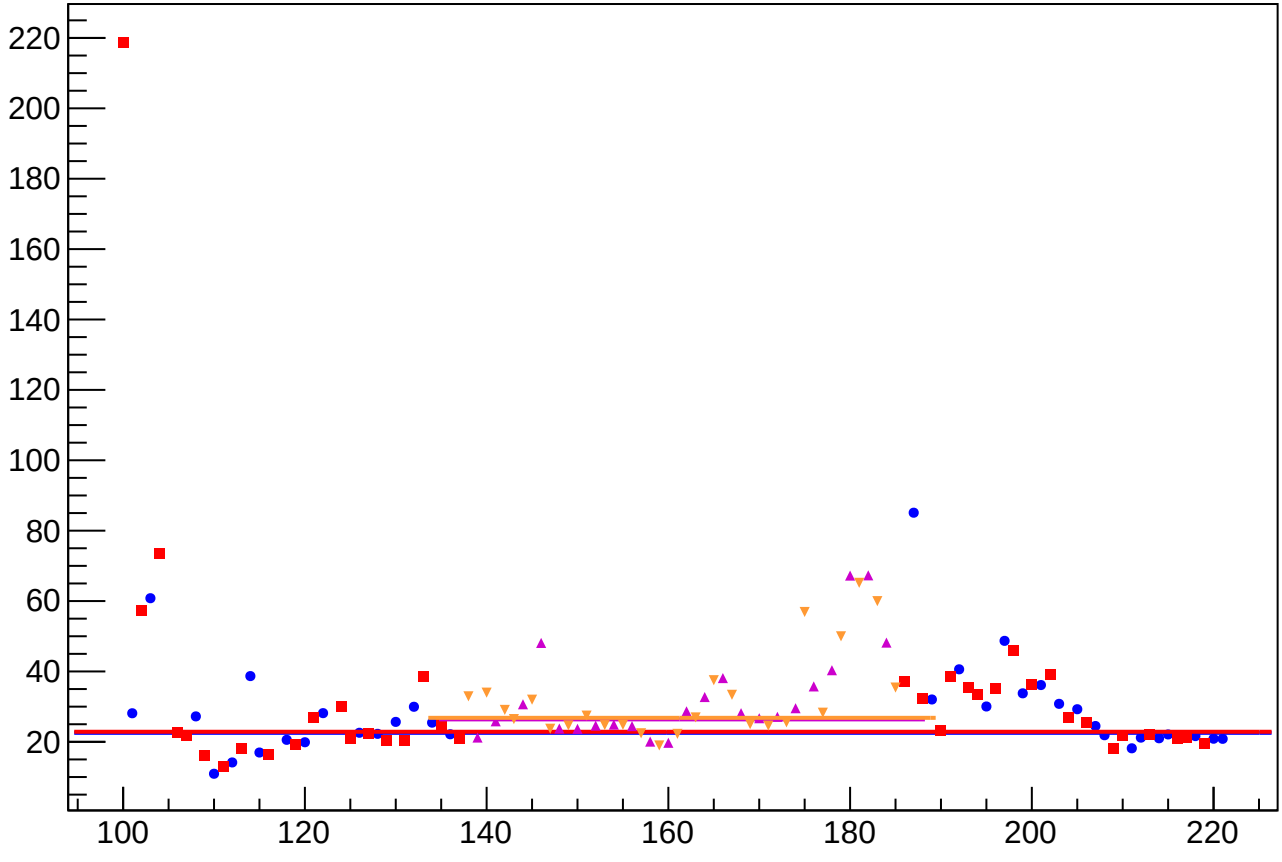
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.007+/-0.003 χ^2/NDF: 209.1/118

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807354.9/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

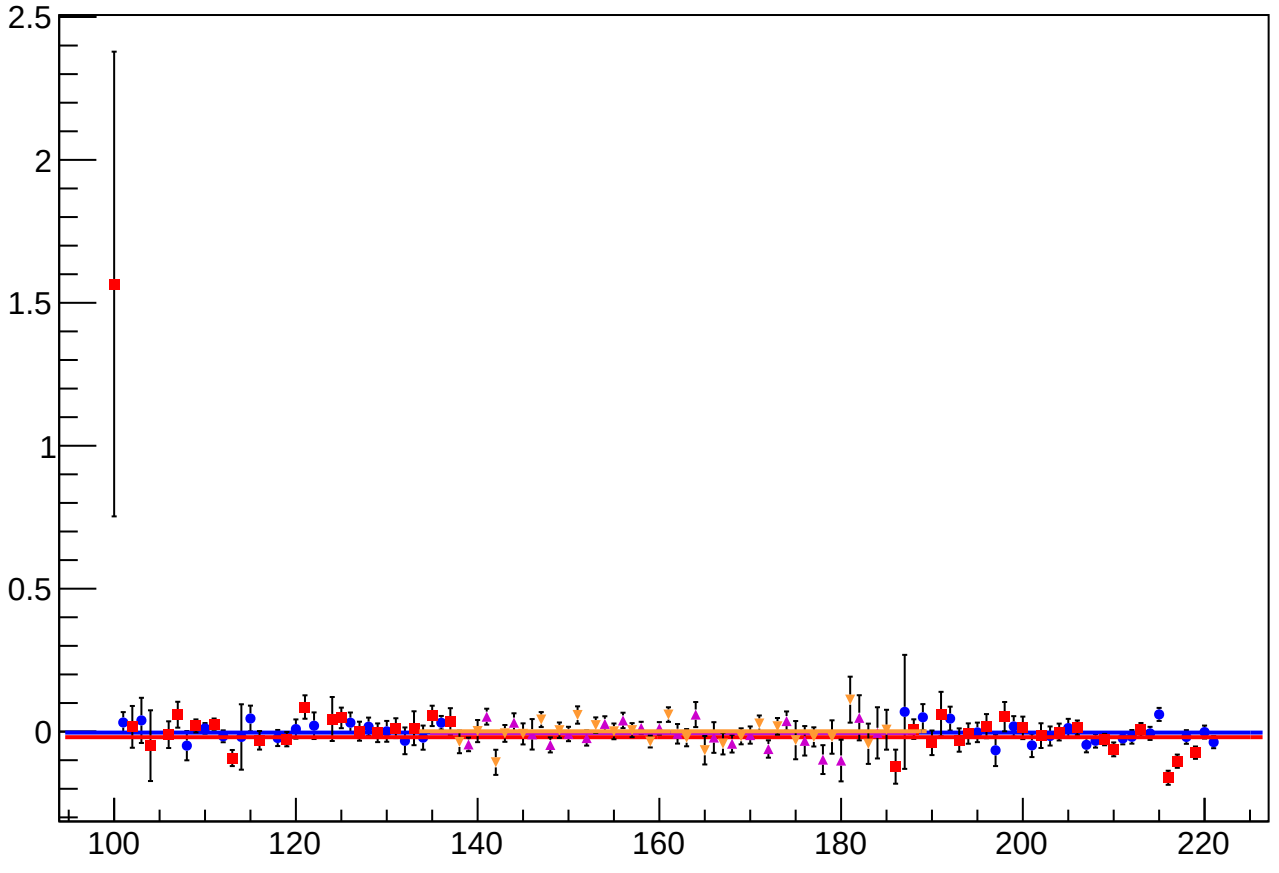
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804936.2/58

All: 24.231+/-0.002 χ^2/NDF: 13750727.5/118

- sign 24.256+/-0.003 χ^2/NDF: 6945658.8/59

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

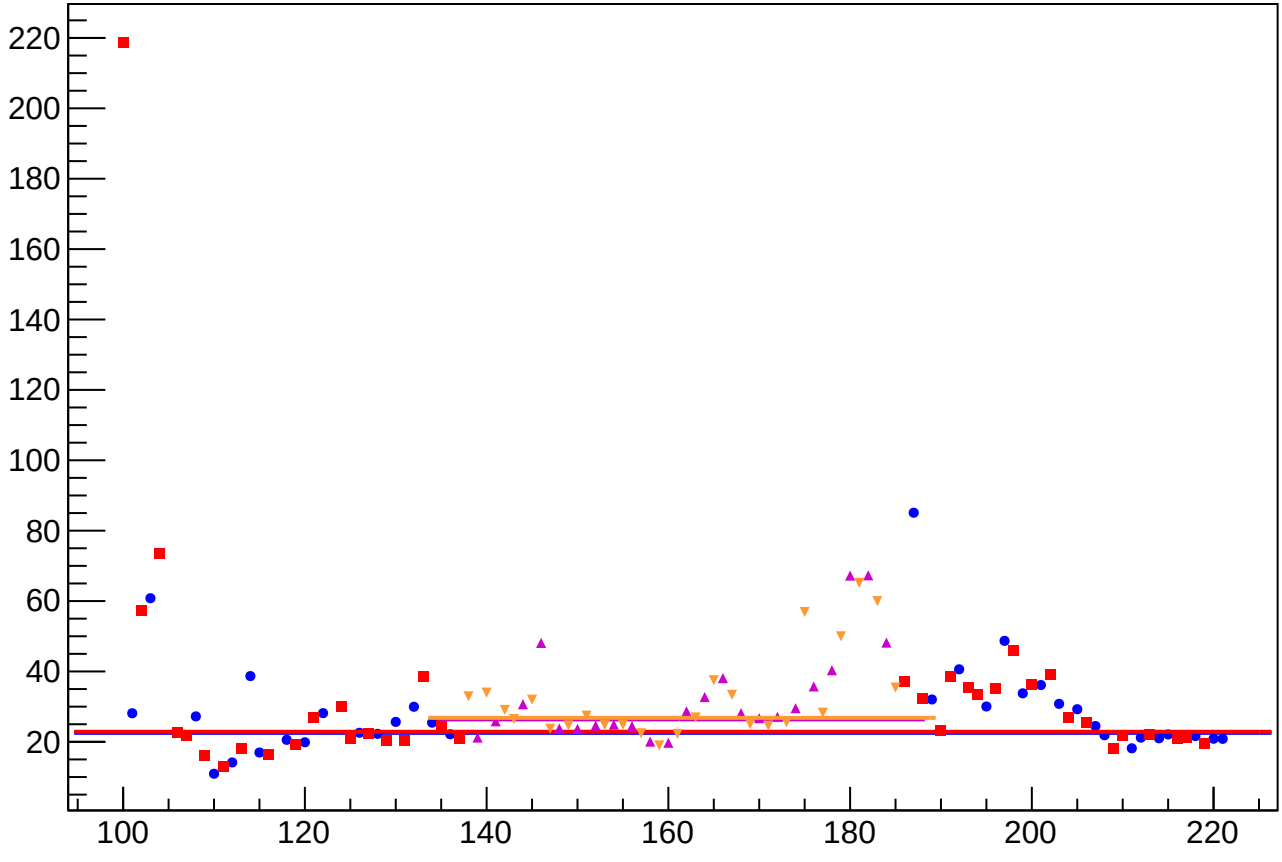
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.007+/-0.003 χ^2/NDF: 209.1/118

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807354.9/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

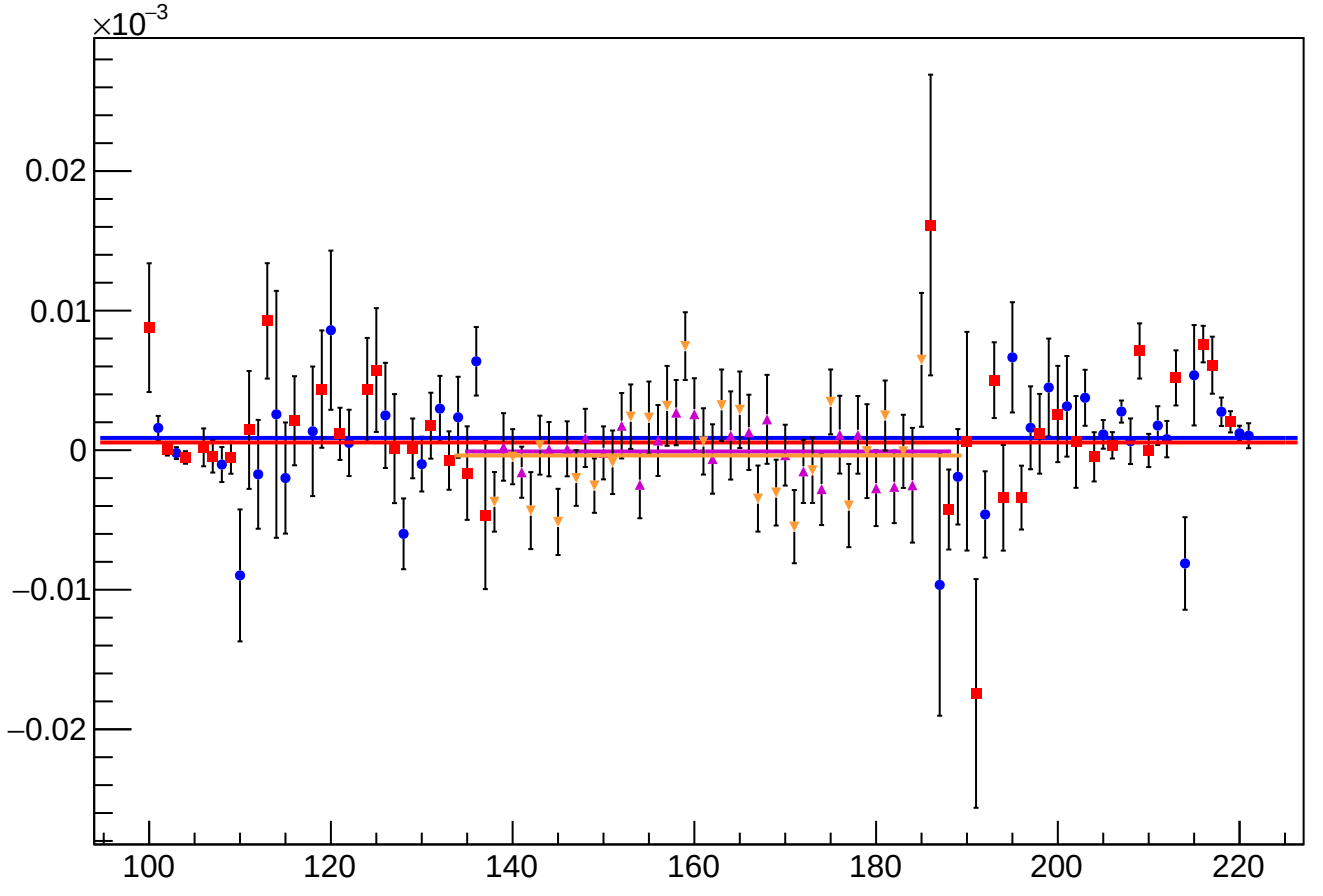
Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804936.2/58

All: 24.231+/-0.002 χ^2/NDF: 13750727.5/118

- sign 24.256+/-0.003 χ^2/NDF: 6945658.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 61.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 96.7/36

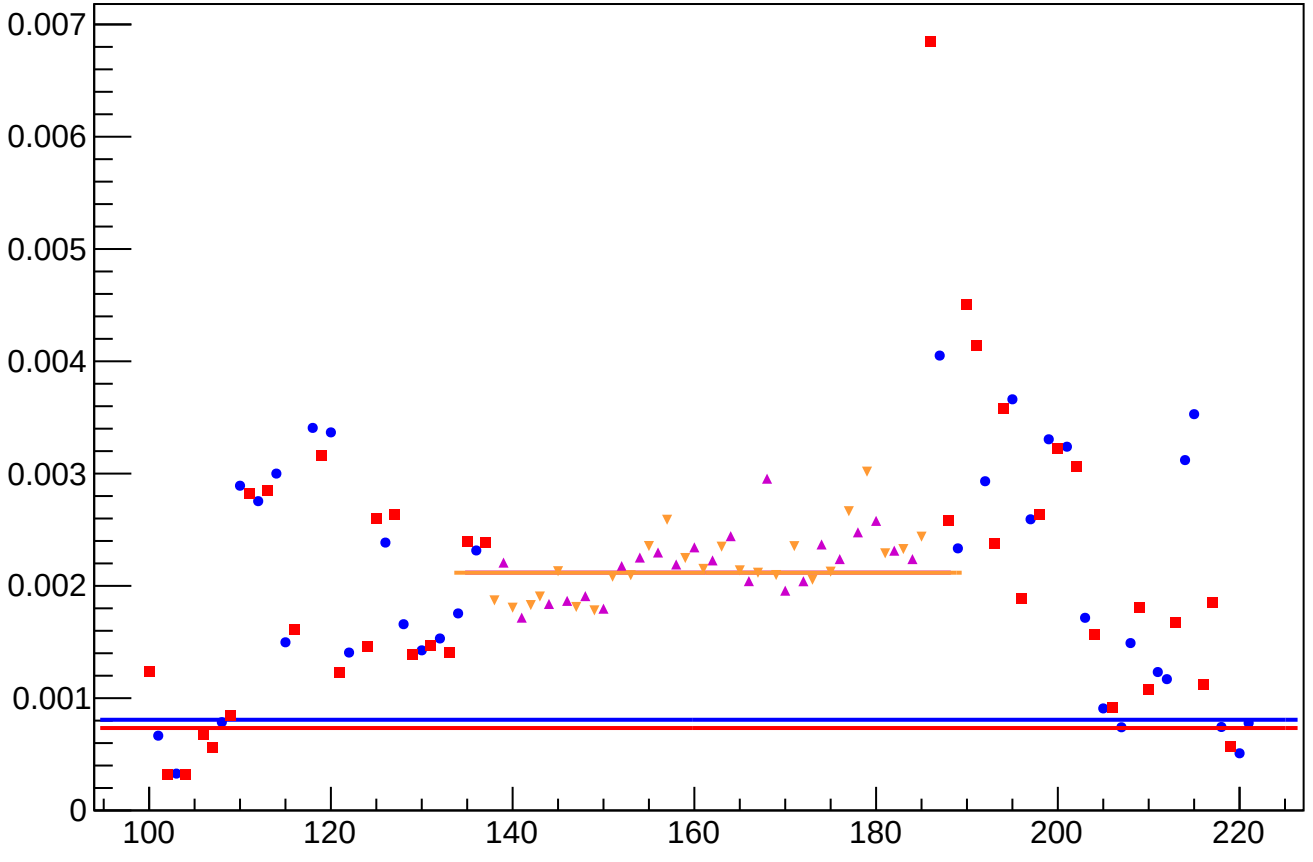
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 109.6/58

All: 0.000+/-0.000 χ^2/NDF: 218.4/118

- sign 0.000+/-0.000 χ^2/NDF: 108.2/59

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15924108.5/33

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18186602.8/36

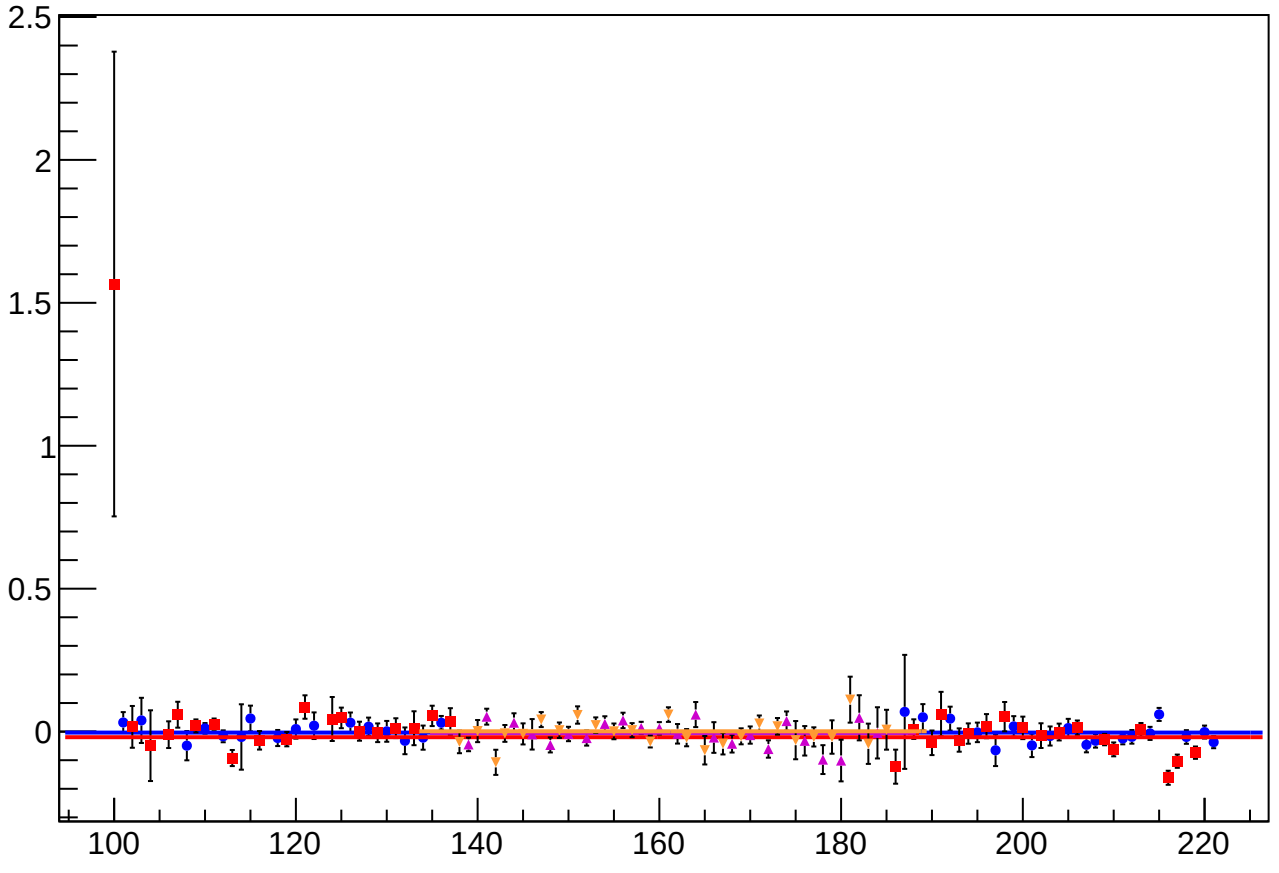
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 28418537.5/58

All: 0.001+/-0.000 χ^2/NDF: 60213215.5/118

- sign 0.001+/-0.000 χ^2/NDF: 31623908.5/59

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

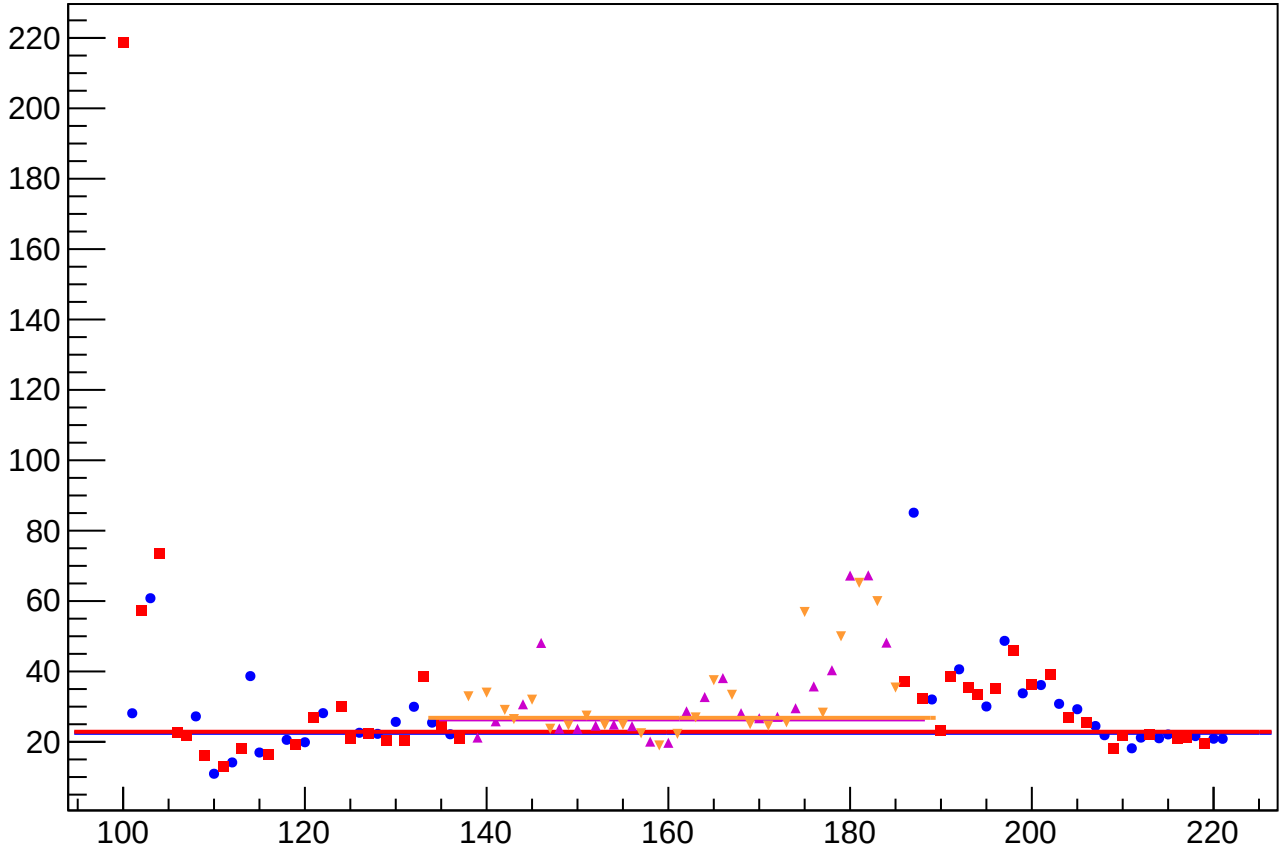
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.007+/-0.003 χ^2/NDF: 209.1/118

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807102.2/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

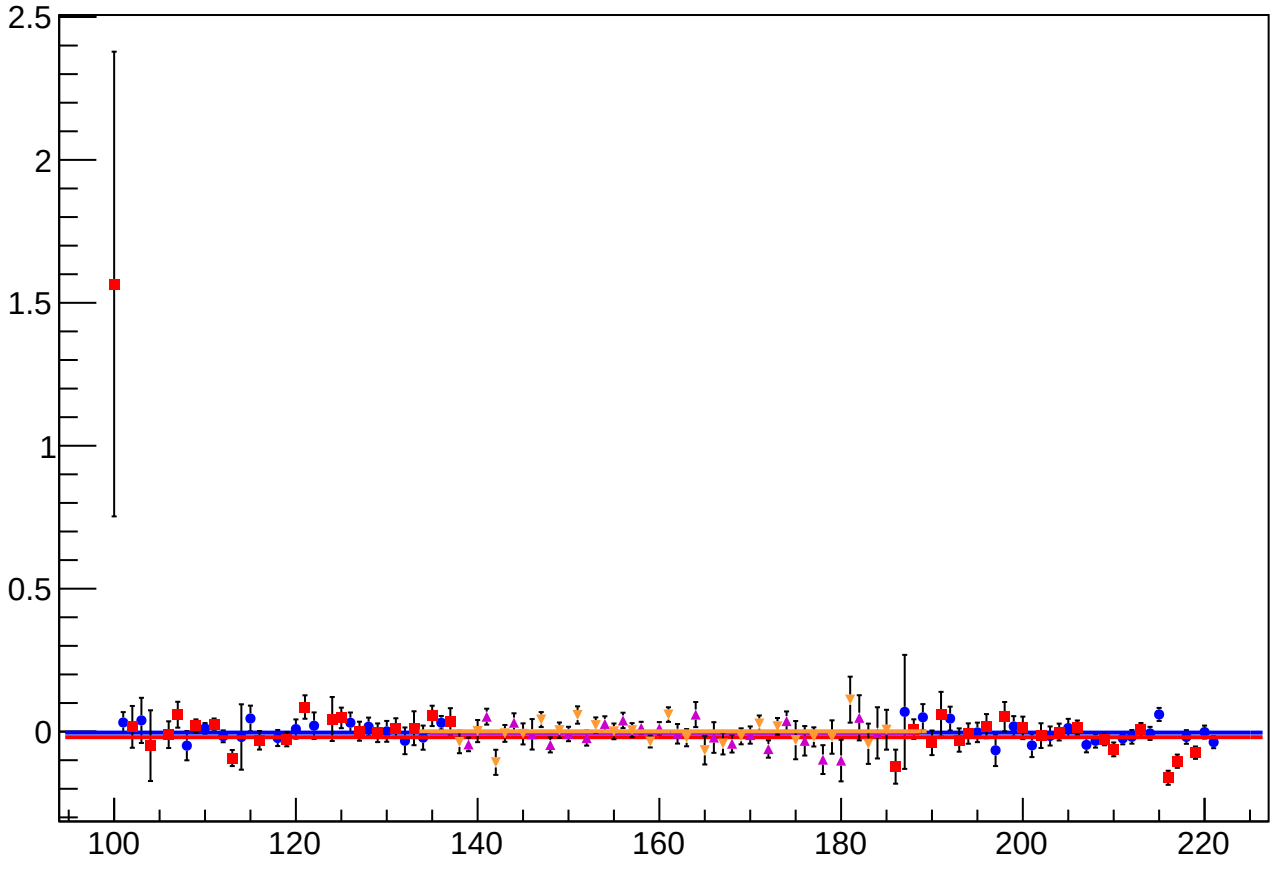
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804642.0/58

All: 24.232+/-0.002 χ^2/NDF: 13750325.5/118

- sign 24.256+/-0.003 χ^2/NDF: 6945552.6/59

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.005 χ^2/NDF: 31.4/33

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

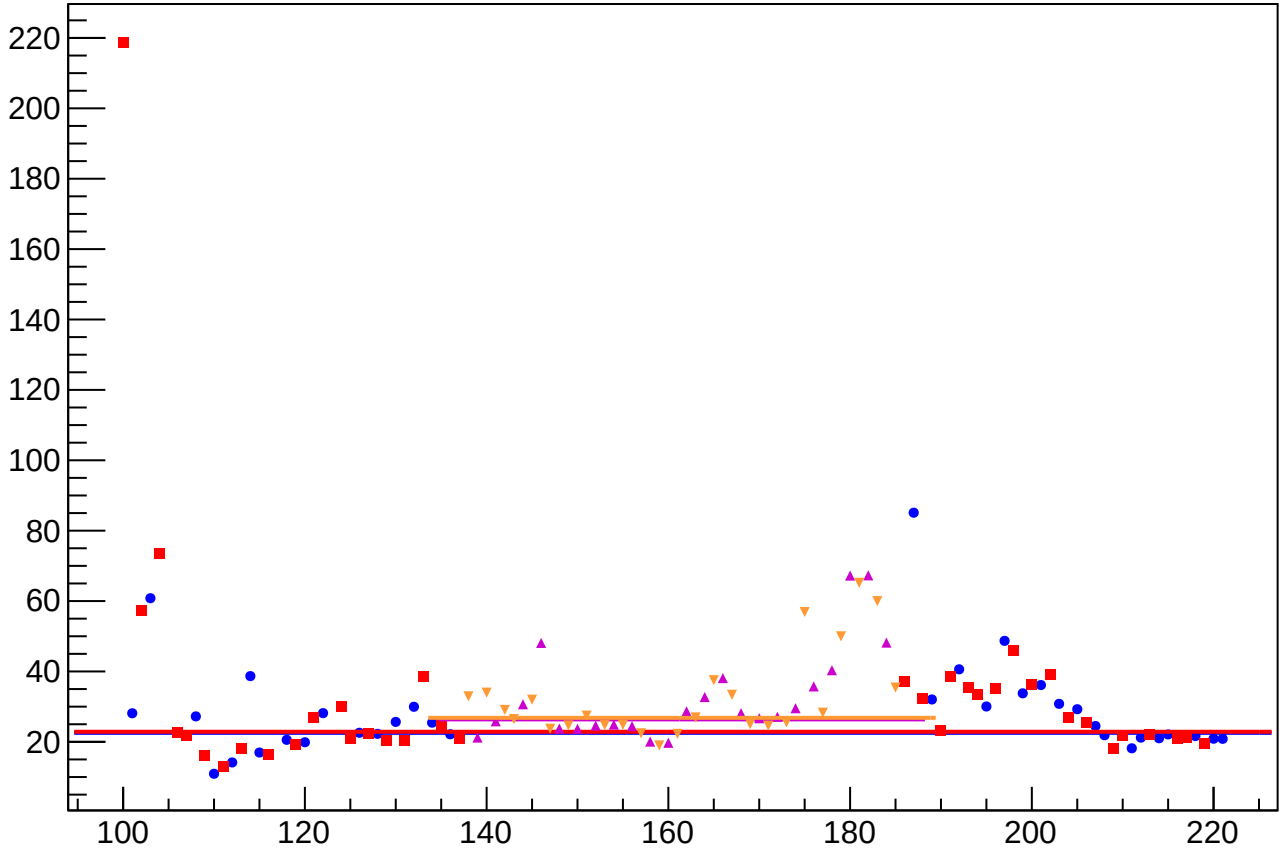
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 61.9/58

All: -0.007+/-0.003 χ^2/NDF: 209.1/118

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.559+/-0.004 χ^2/NDF: 3807102.2/33

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

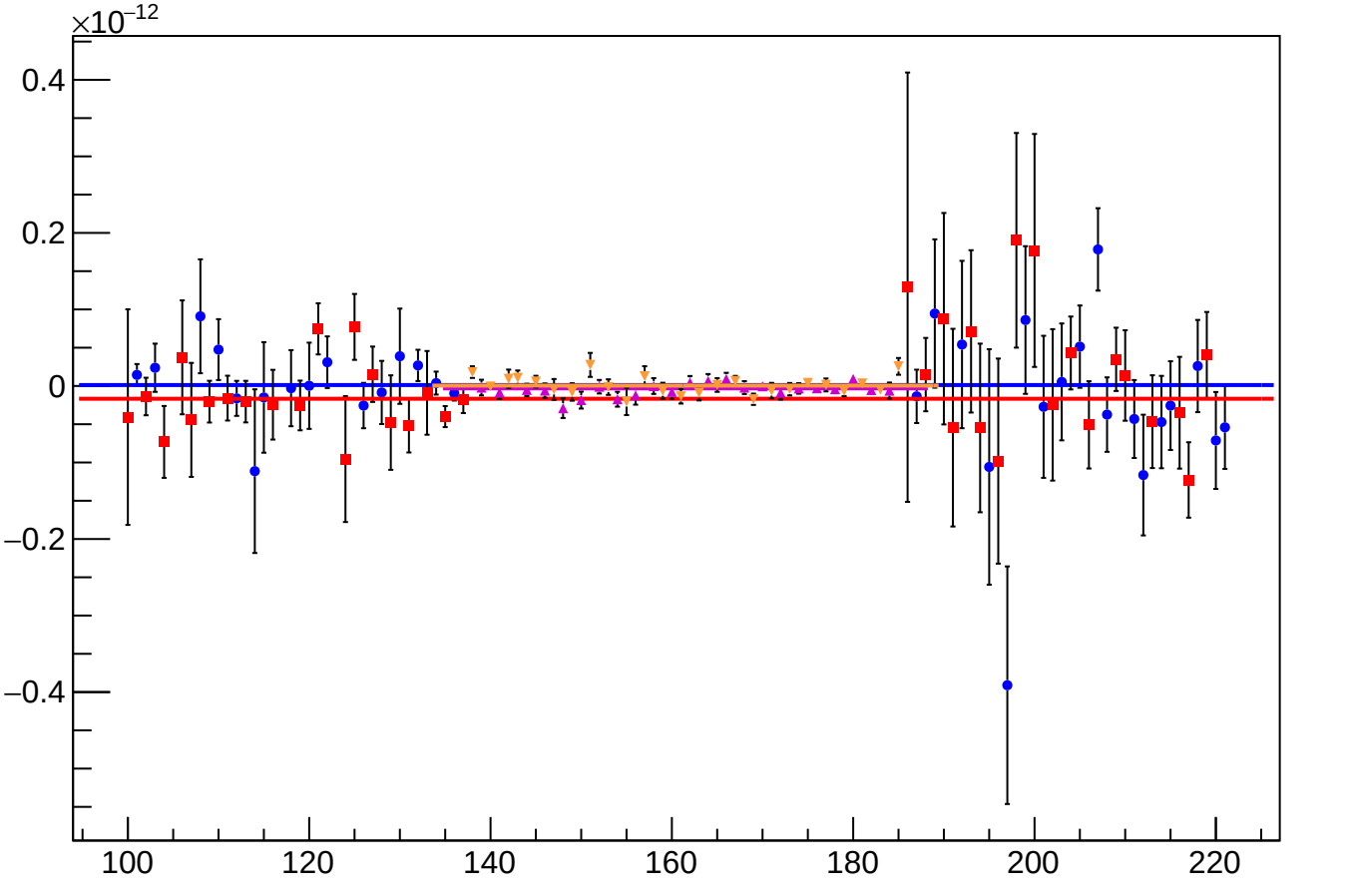
Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.209+/-0.003 χ^2/NDF: 6804642.0/58

All: 24.232+/-0.002 χ^2/NDF: 13750325.5/118

- sign 24.256+/-0.003 χ^2/NDF: 6945552.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 38.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.5/36

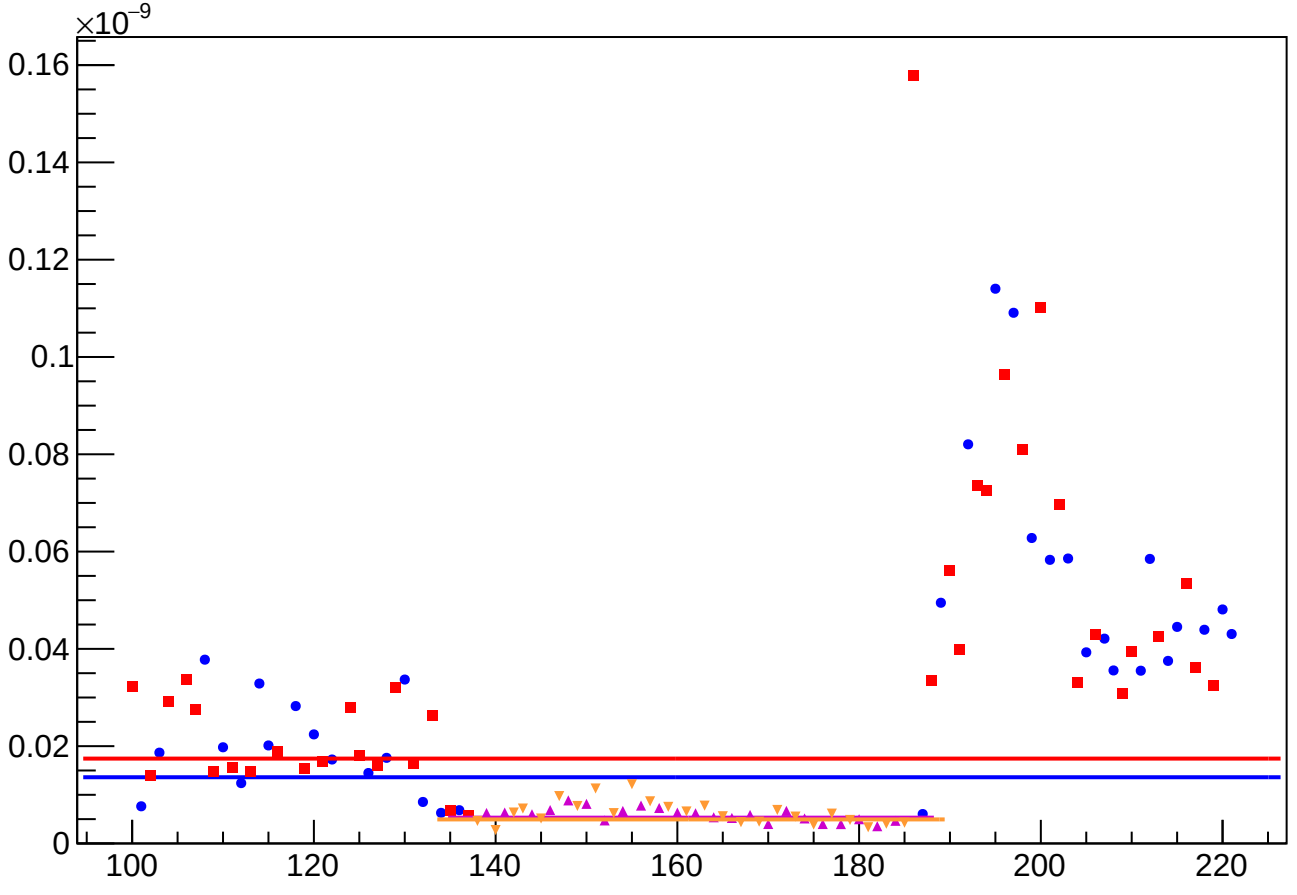
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.3/58

All: -0.000+/-0.000 χ^2/NDF: 135.2/118

- sign -0.000+/-0.000 χ^2/NDF: 59.7/59

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12304750.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9438686.9/36

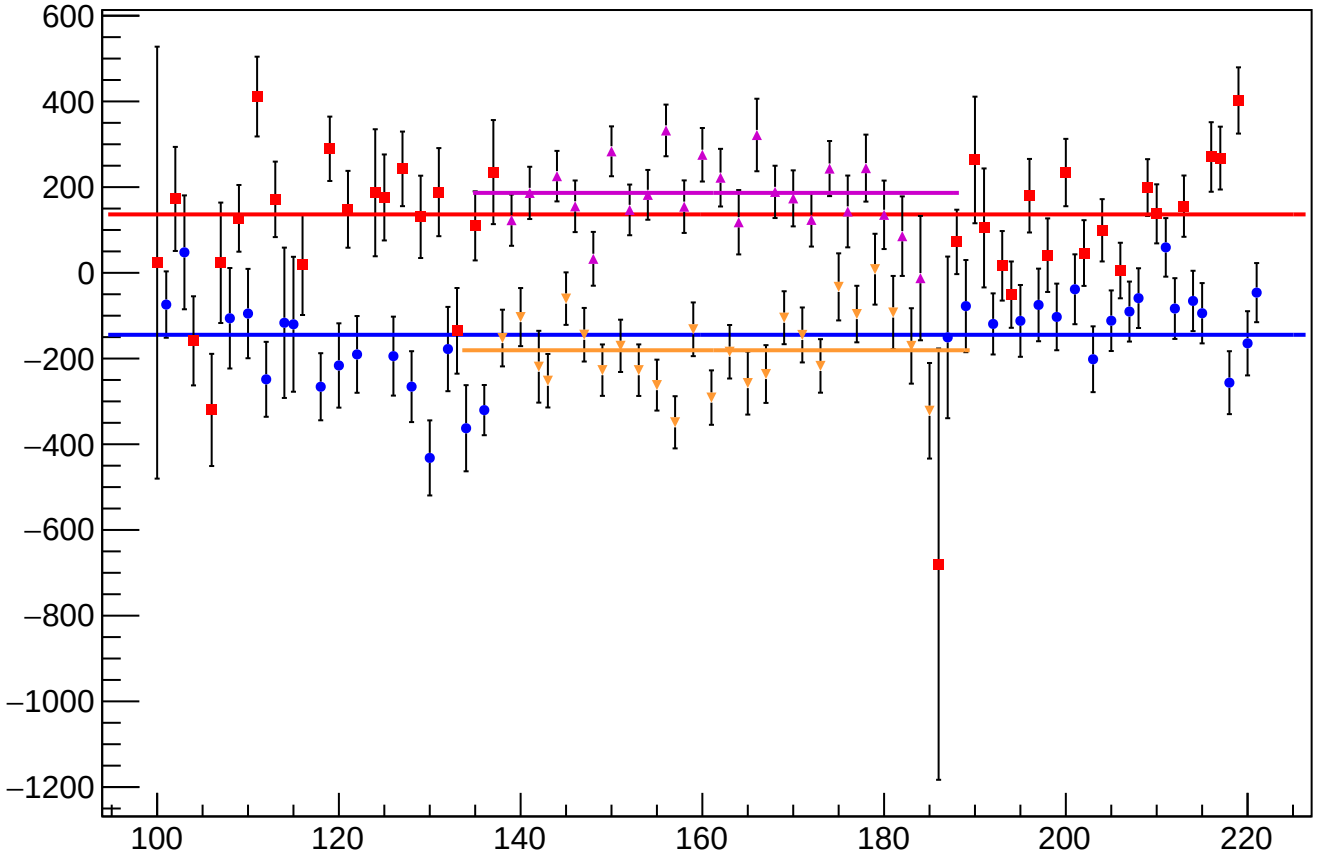
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 19926052.4/58

All: 0.000+/-0.000 χ^2/NDF: 37285165.4/118

- sign 0.000+/-0.000 χ^2/NDF: 17283755.8/59

reg_asym_sam8_mean vs Slug



Right In: -144.592+/-14.213 χ^2/NDF: 57.0/33

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 136.354+/-14.702 χ^2/NDF: 84.9/36

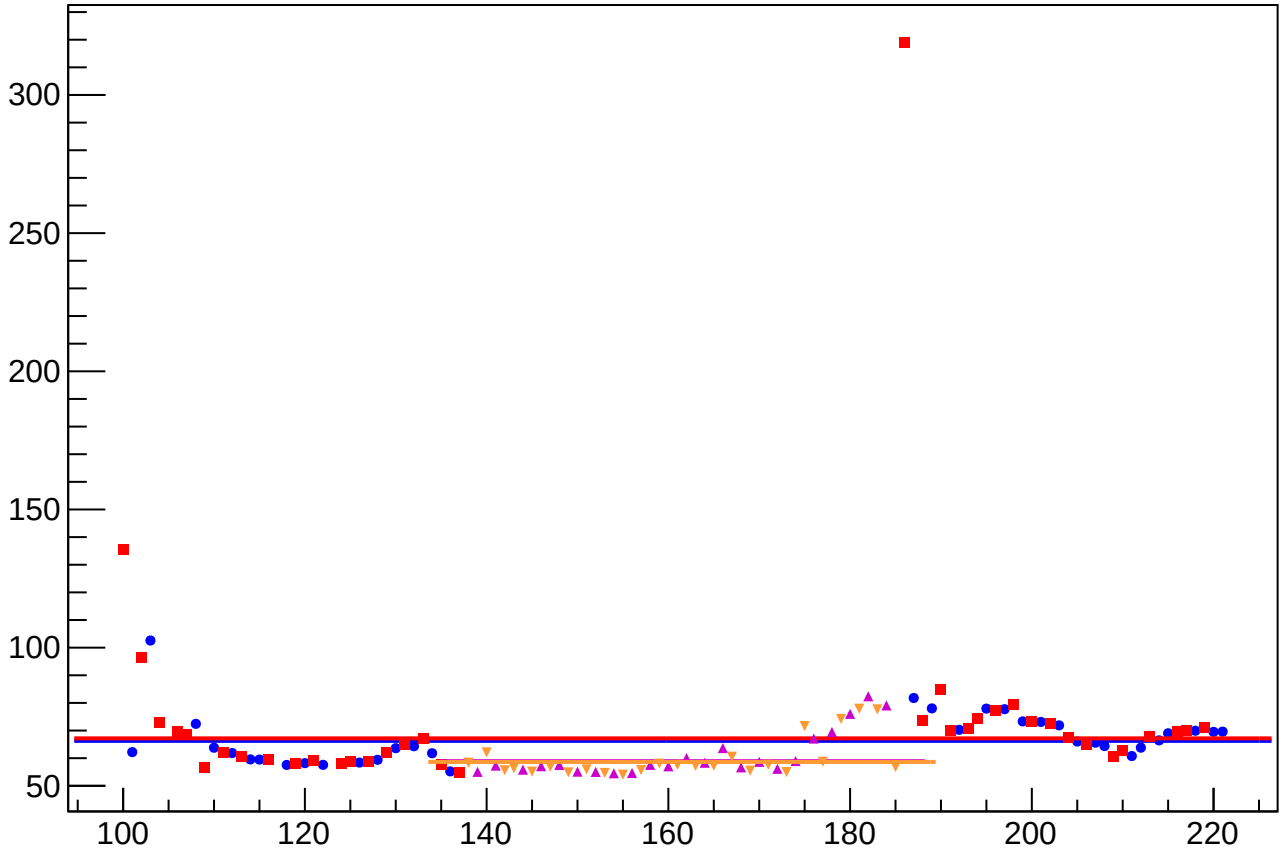
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -163.676+/-9.757 χ^2/NDF: 99.0/58

All: -5.762+/-7.012 χ^2/NDF: 760.9/118

- sign 162.941+/-10.085 χ^2/NDF: 120.1/59

reg_asym_sam8_rms vs Slug



Right In: 66.268+/-0.010 χ^2/NDF: 529899.5/33

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.175+/-0.010 χ^2/NDF: 1058576.1/36

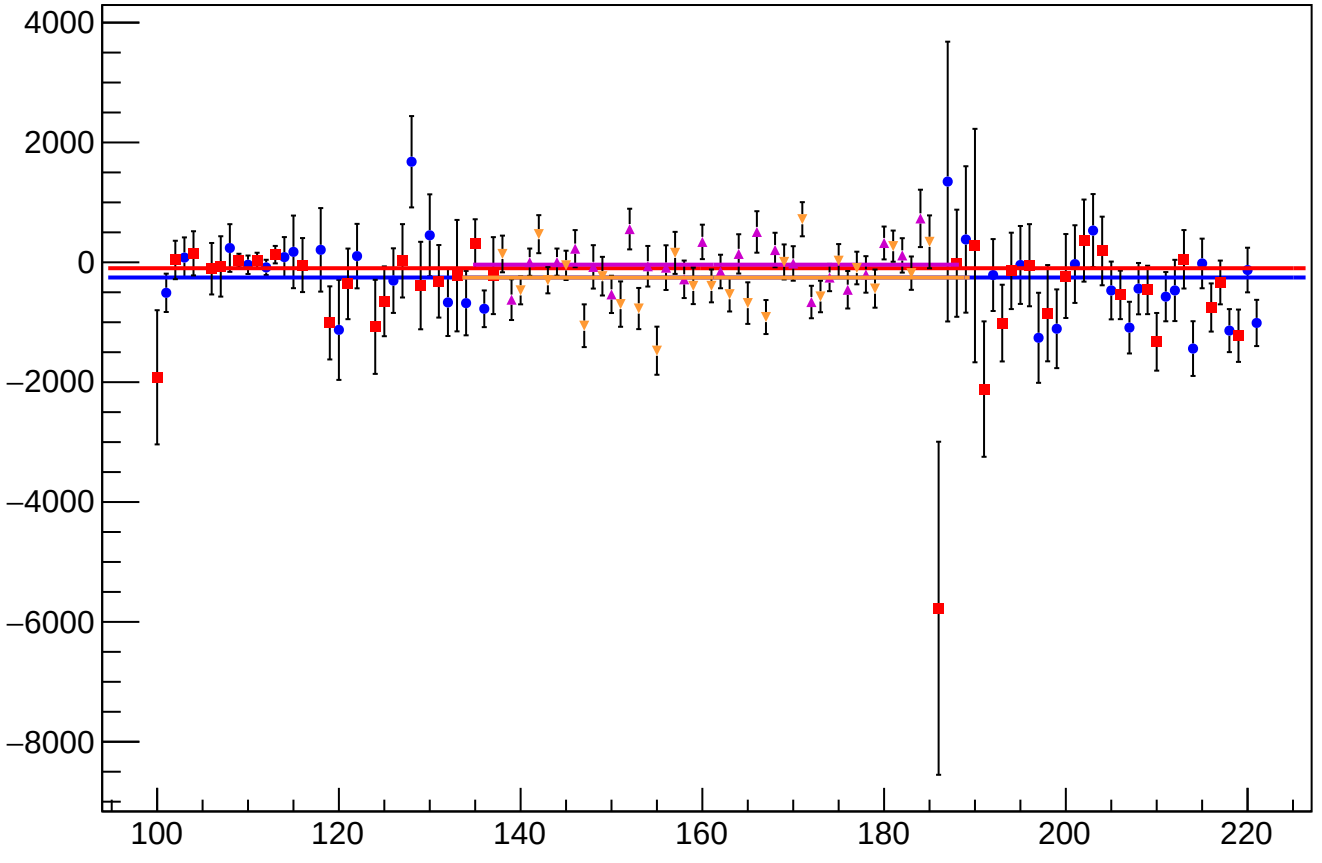
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.237+/-0.007 χ^2/NDF: 1228063.8/58

All: 62.508+/-0.005 χ^2/NDF: 3011560.6/118

- sign 62.797+/-0.007 χ^2/NDF: 1780314.7/59

asym_sam8_reg_correction_mean vs Slug



Right In: -253.325+/-63.949 χ^2/NDF: 50.1/33

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -98.432+/-57.488 χ^2/NDF: 43.7/36

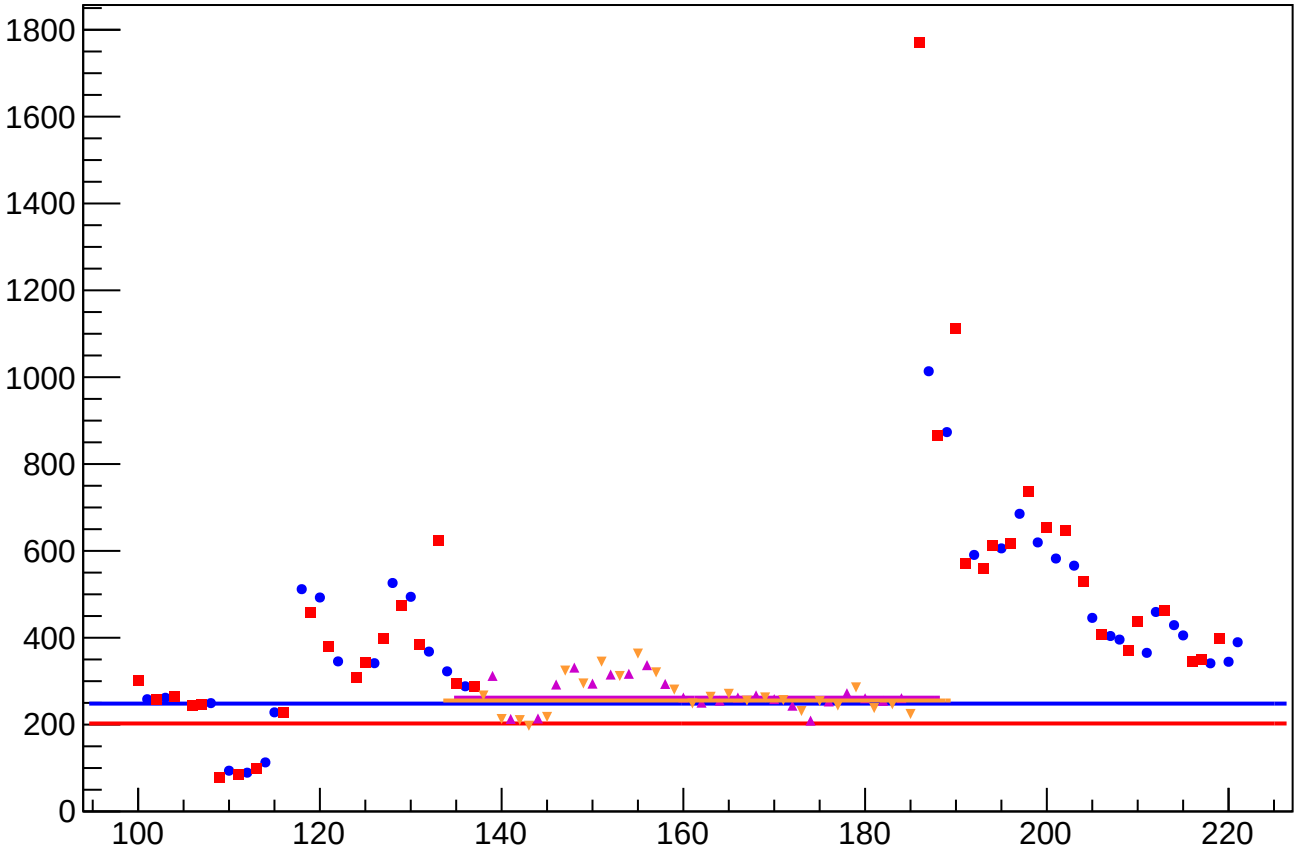
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -254.030+/-43.314 χ^2/NDF: 107.7/58

All: -159.937+/-30.196 χ^2/NDF: 189.4/118

- sign -70.969+/-42.118 χ^2/NDF: 72.5/59

asym_sam8_reg_correction_rms vs Slug



Right In: 248.358+/-0.045 χ^2/NDF: 13606149.9/33

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 202.574+/-0.041 χ^2/NDF: 17750476.9/36

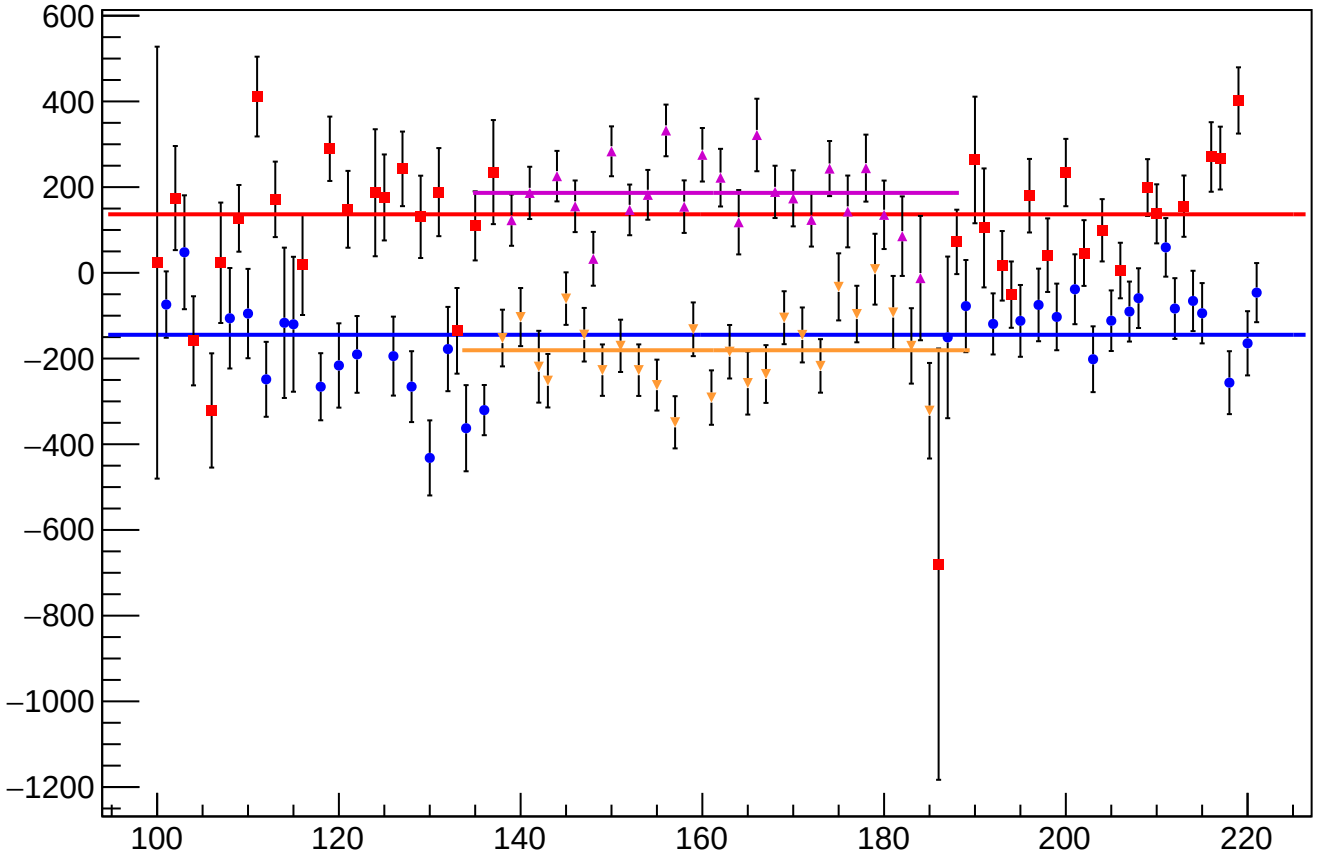
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 252.207+/-0.031 χ^2/NDF: 14483403.7/58

All: 240.847+/-0.021 χ^2/NDF: 34162320.8/11

- sign 230.106+/-0.030 χ^2/NDF: 19411270.2/59

cor_asym_sam8_mean vs Slug



Right In: -144.593+/-14.213 χ^2/NDF: 57.0/33

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 136.577+/-14.706 χ^2/NDF: 84.6/36

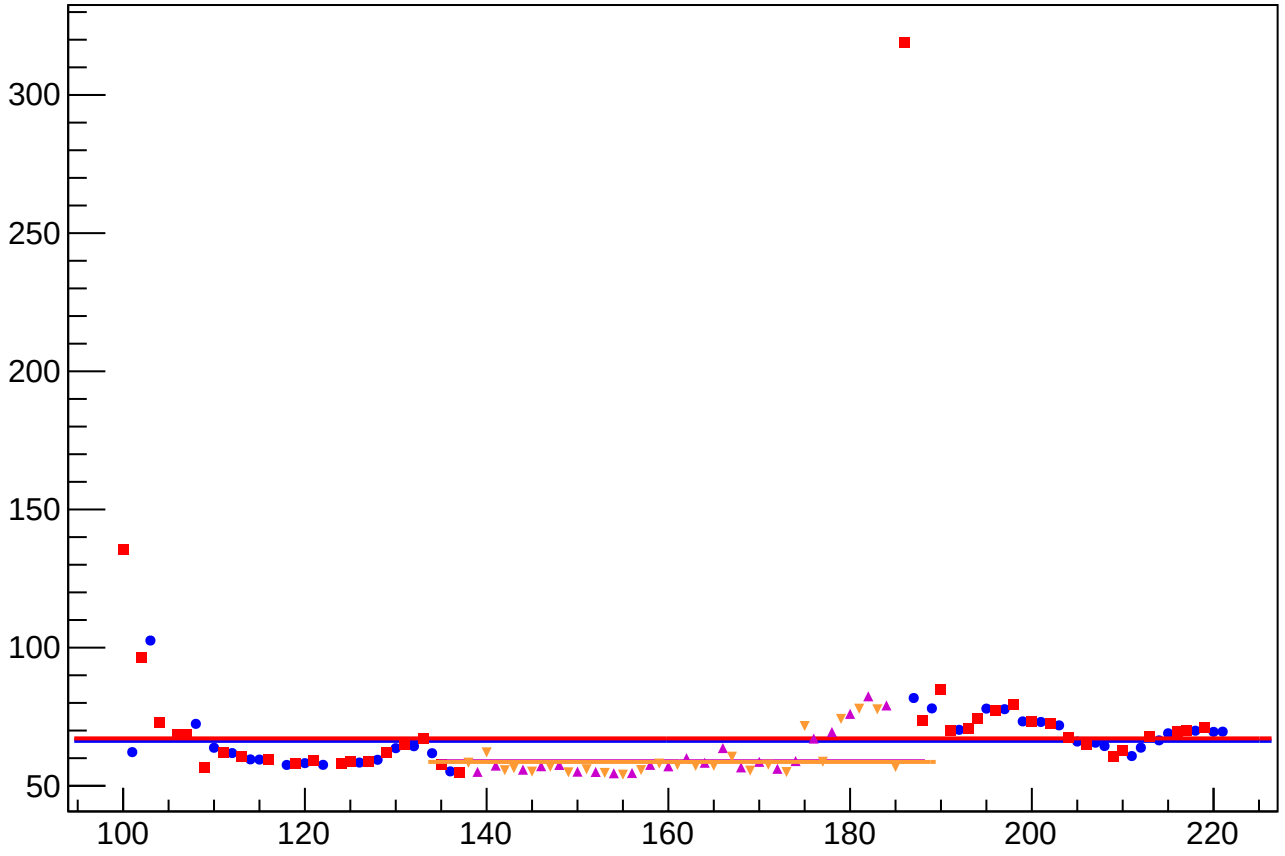
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -163.674+/-9.757 χ^2/NDF: 99.0/58

All: -5.725+/-7.013 χ^2/NDF: 760.7/118

- sign 163.052+/-10.086 χ^2/NDF: 119.7/59

cor_asym_sam8_rms vs Slug



Right In: 66.268+/-0.010 χ^2/NDF: 529901.9/33

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

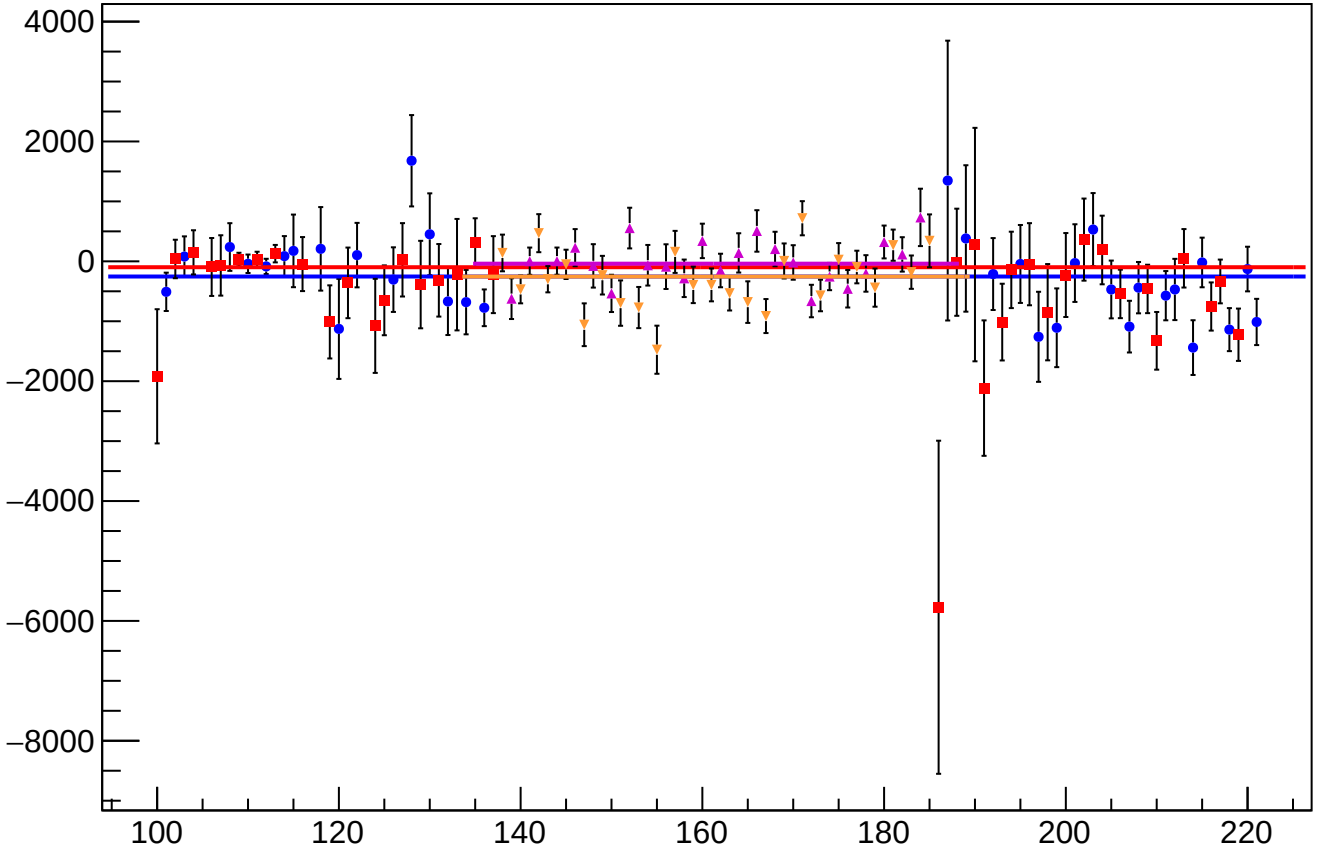
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.237+/-0.007 χ^2/NDF: 1228066.4/58

All: 62.504+/-0.005 χ^2/NDF: 3009840.0/118

- sign 62.789+/-0.007 χ^2/NDF: 1778683.0/59

asym_sam8_cor_correction_mean vs Slug



Right In: -253.315+/-63.949 χ^2/NDF: 50.1/33

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -98.246+/-57.599 χ^2/NDF: 43.7/36

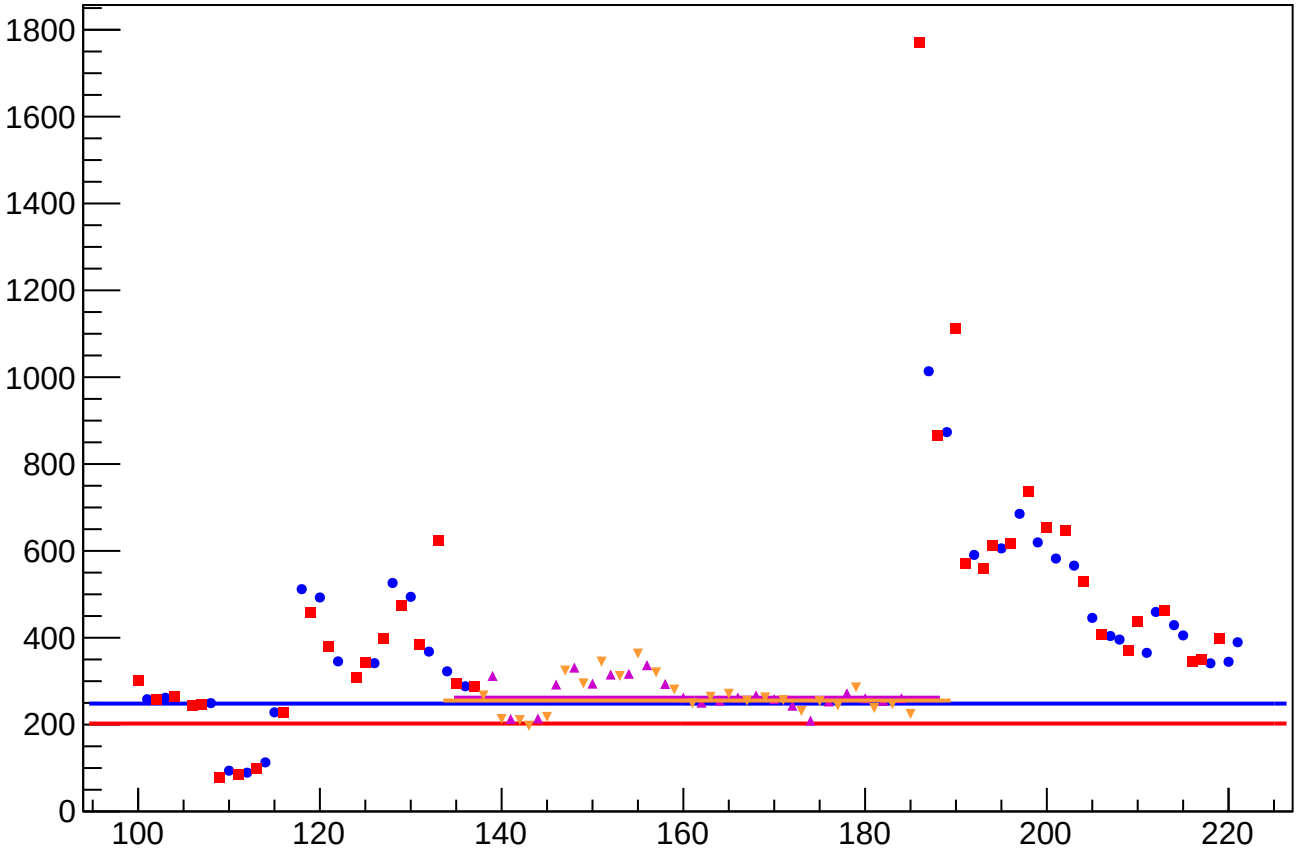
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -254.024+/-43.314 χ^2/NDF: 107.7/58

All: -159.947+/-30.212 χ^2/NDF: 189.4/118

- sign -70.811+/-42.162 χ^2/NDF: 72.5/59

asym_sam8_cor_correction_rms vs Slug



Right In: 248.359+/-0.045 χ^2/NDF: 13606166.7/33

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

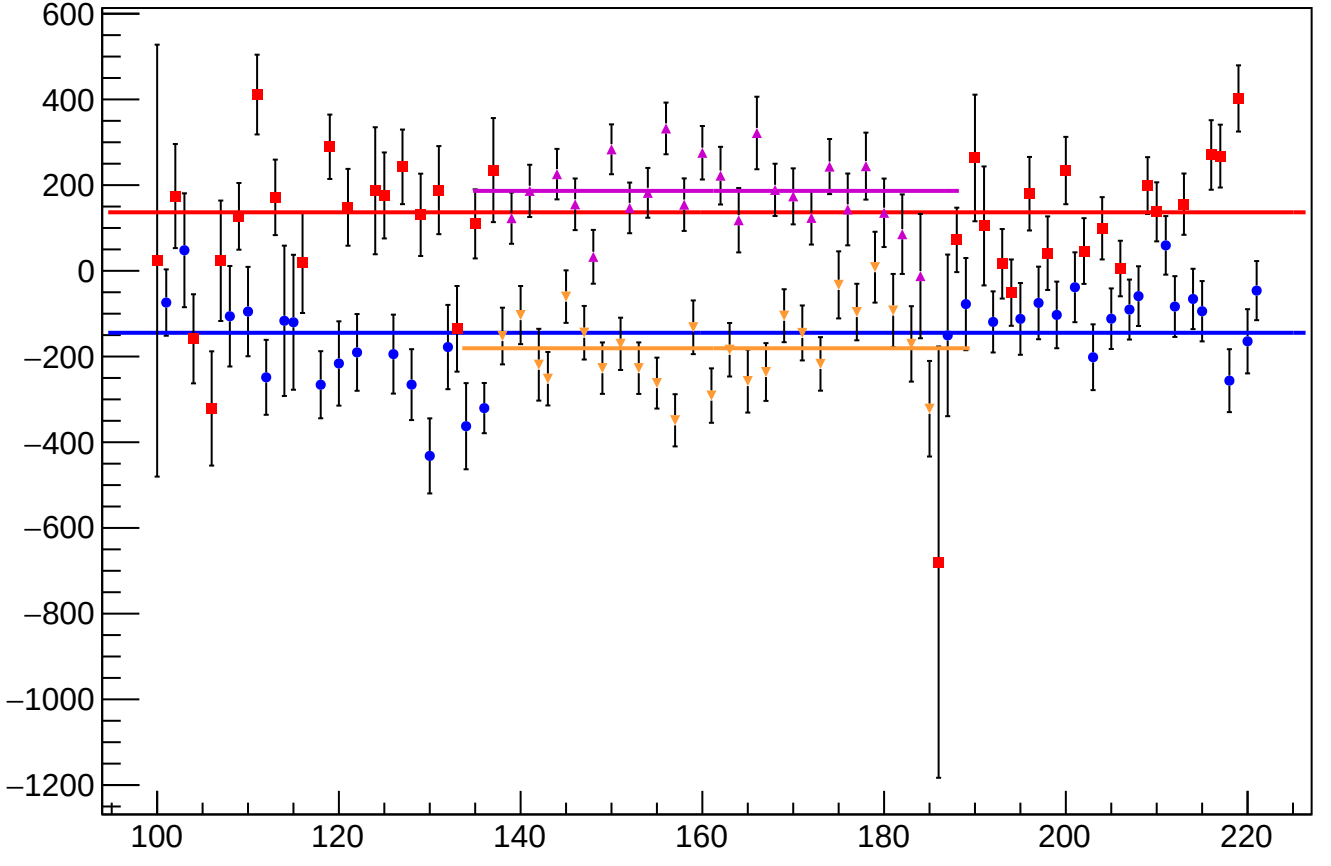
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 252.207+/-0.031 χ^2/NDF: 14483417.5/58

All: 240.846+/-0.021 χ^2/NDF: 34162728.2/11

- sign 230.081+/-0.030 χ^2/NDF: 19411323.6/59

eigen_cor_asym_sam8_mean vs Slug



Right In: -144.593+/-14.213 χ^2/NDF: 57.0/33

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 136.577+/-14.706 χ^2/NDF: 84.6/36

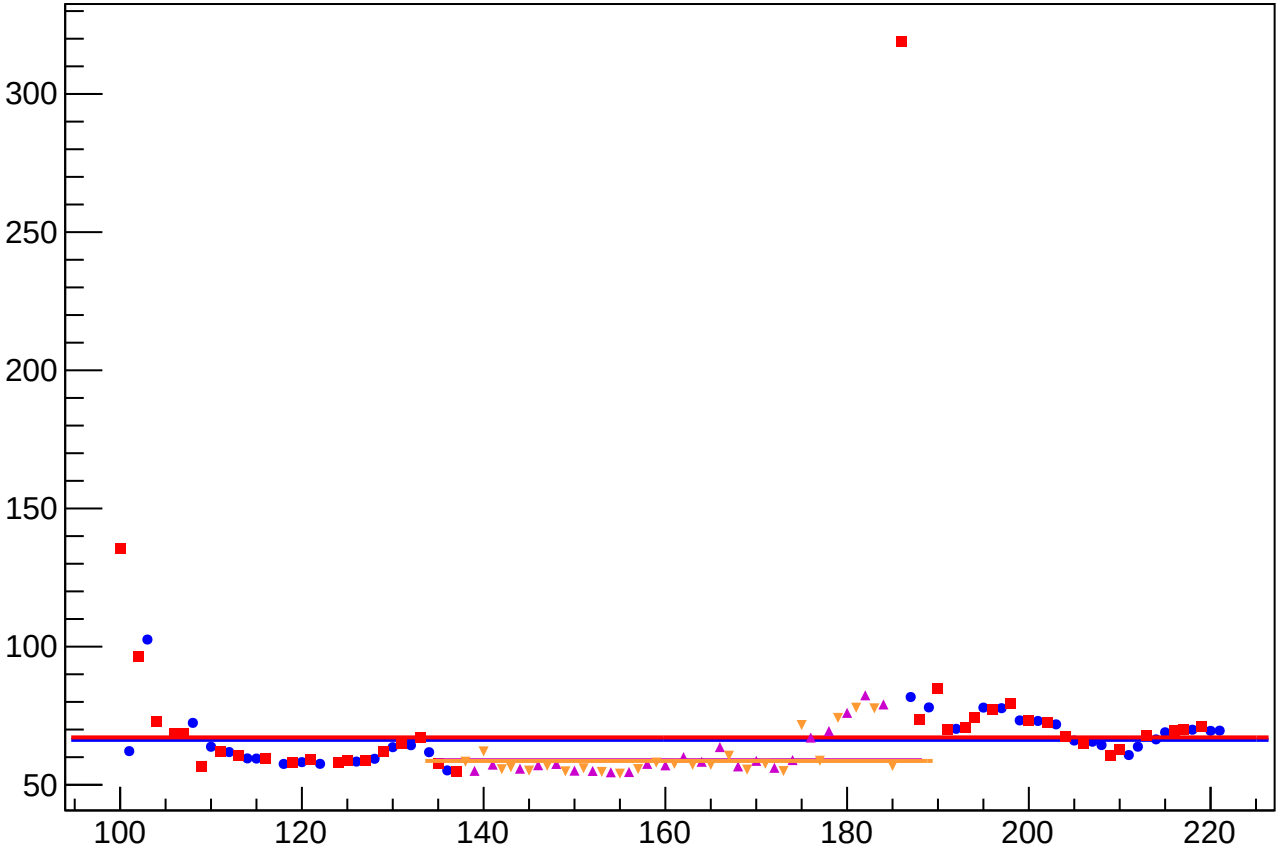
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -163.674+/-9.757 χ^2/NDF: 99.0/58

All: -5.725+/-7.013 χ^2/NDF: 760.7/118

- sign 163.052+/-10.086 χ^2/NDF: 119.7/59

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.268+/-0.010 χ^2/NDF: 529901.9/33

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

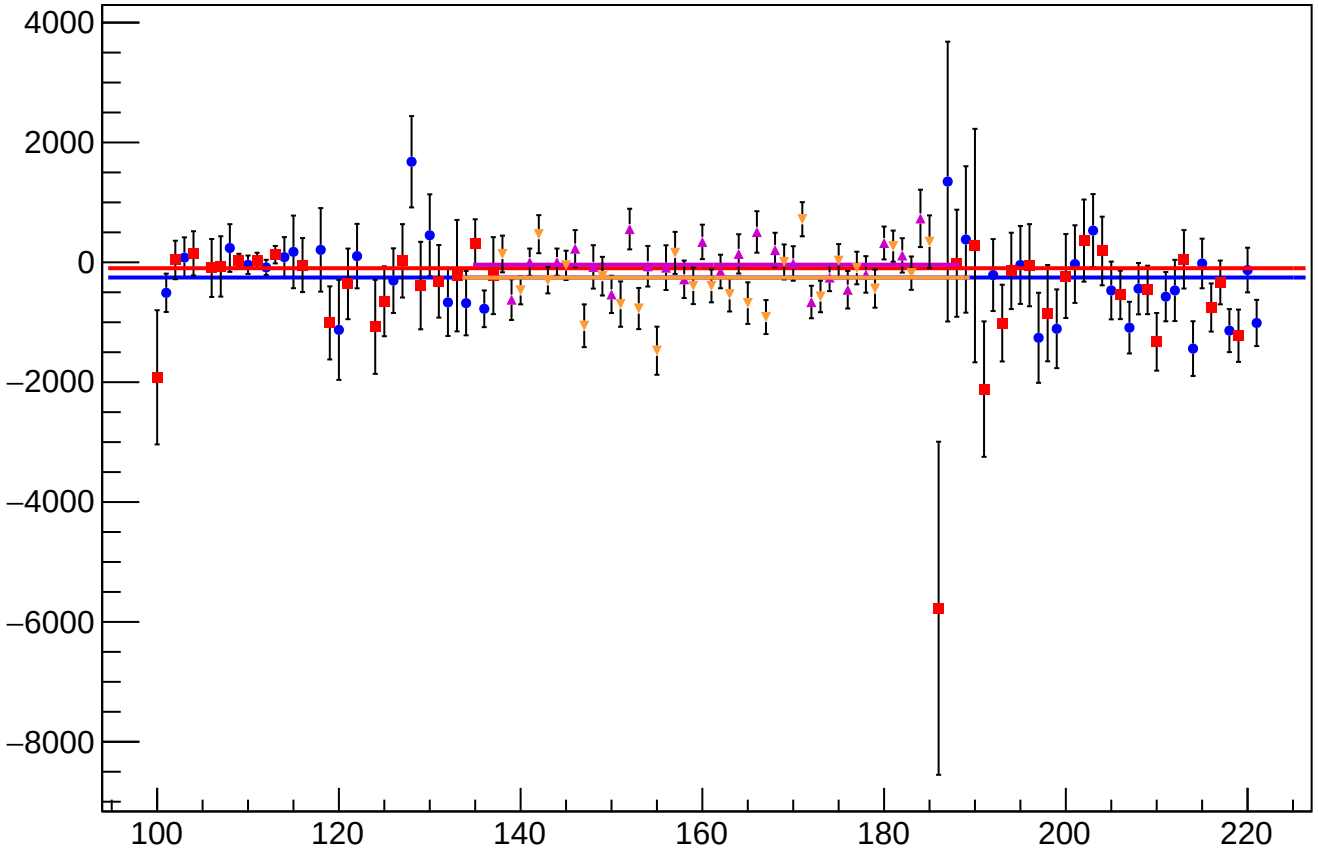
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.237+/-0.007 χ^2/NDF: 1228066.4/58

All: 62.504+/-0.005 χ^2/NDF: 3009840.0/118

- sign 62.789+/-0.007 χ^2/NDF: 1778683.0/59

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -253.315+/-63.949 χ^2/NDF: 50.1/33

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -98.246+/-57.599 χ^2/NDF: 43.7/36

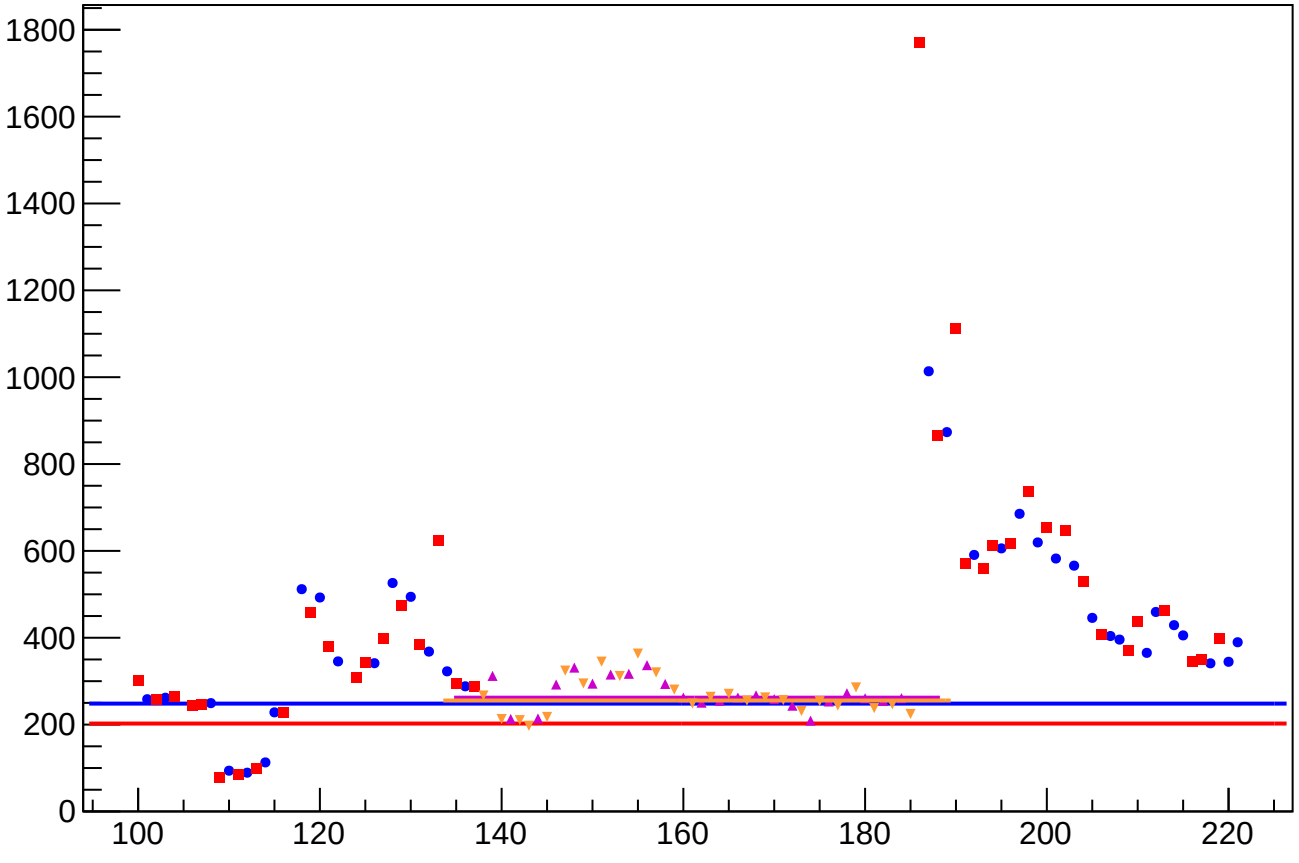
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -254.024+/-43.314 χ^2/NDF: 107.7/58

All: -159.947+/-30.212 χ^2/NDF: 189.4/118

- sign -70.811+/-42.162 χ^2/NDF: 72.5/59

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 248.359+/-0.045 χ^2/NDF: 13606166.7/33

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

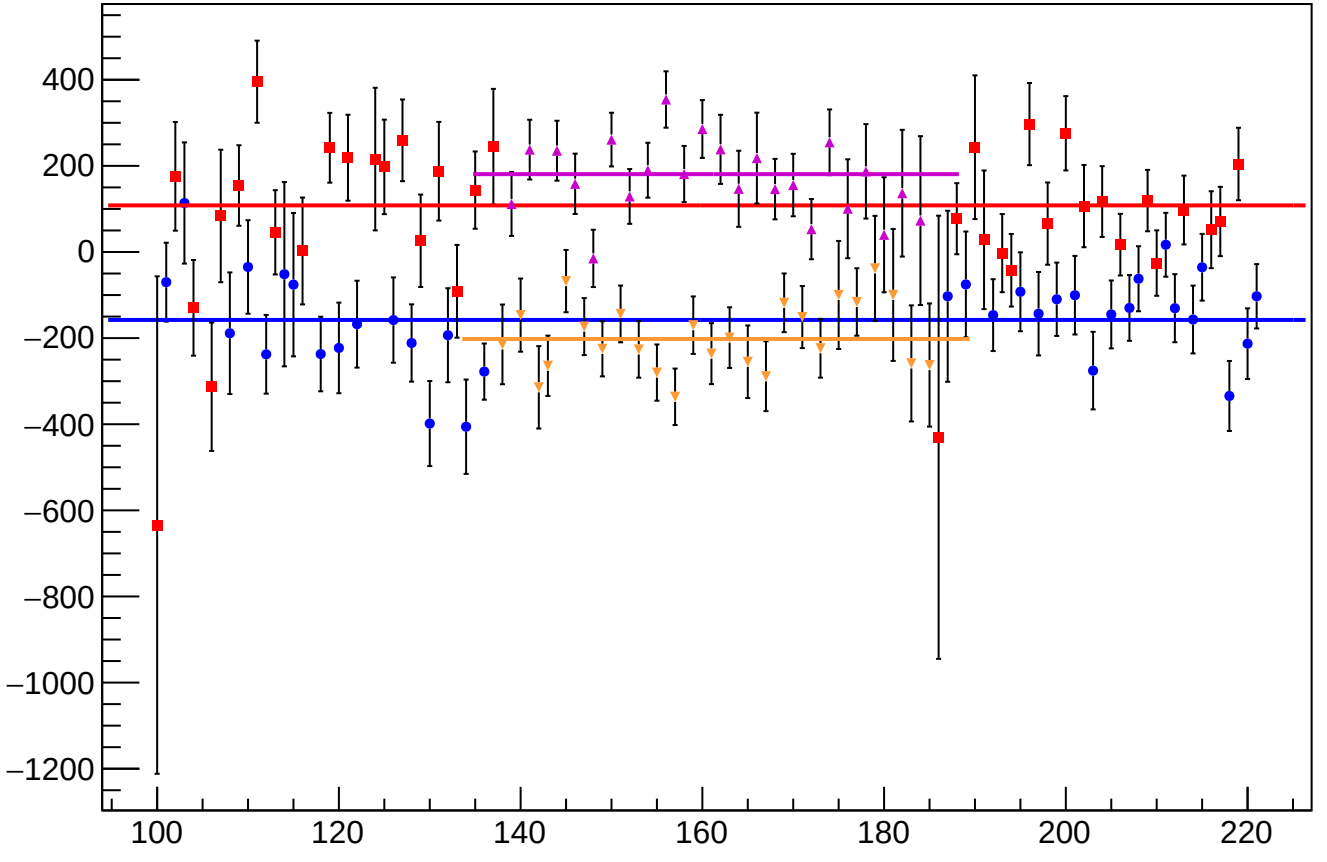
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 252.207+/-0.031 χ^2/NDF: 14483417.5/58

All: 240.846+/-0.021 χ^2/NDF: 34162728.2/11

- sign 230.081+/-0.030 χ^2/NDF: 19411323.6/59

dit_asym_sam8_mean vs Slug



Right In: -157.765+/-15.746 χ^2/NDF: 42.5/33

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.222+/-16.261 χ^2/NDF: 59.7/36

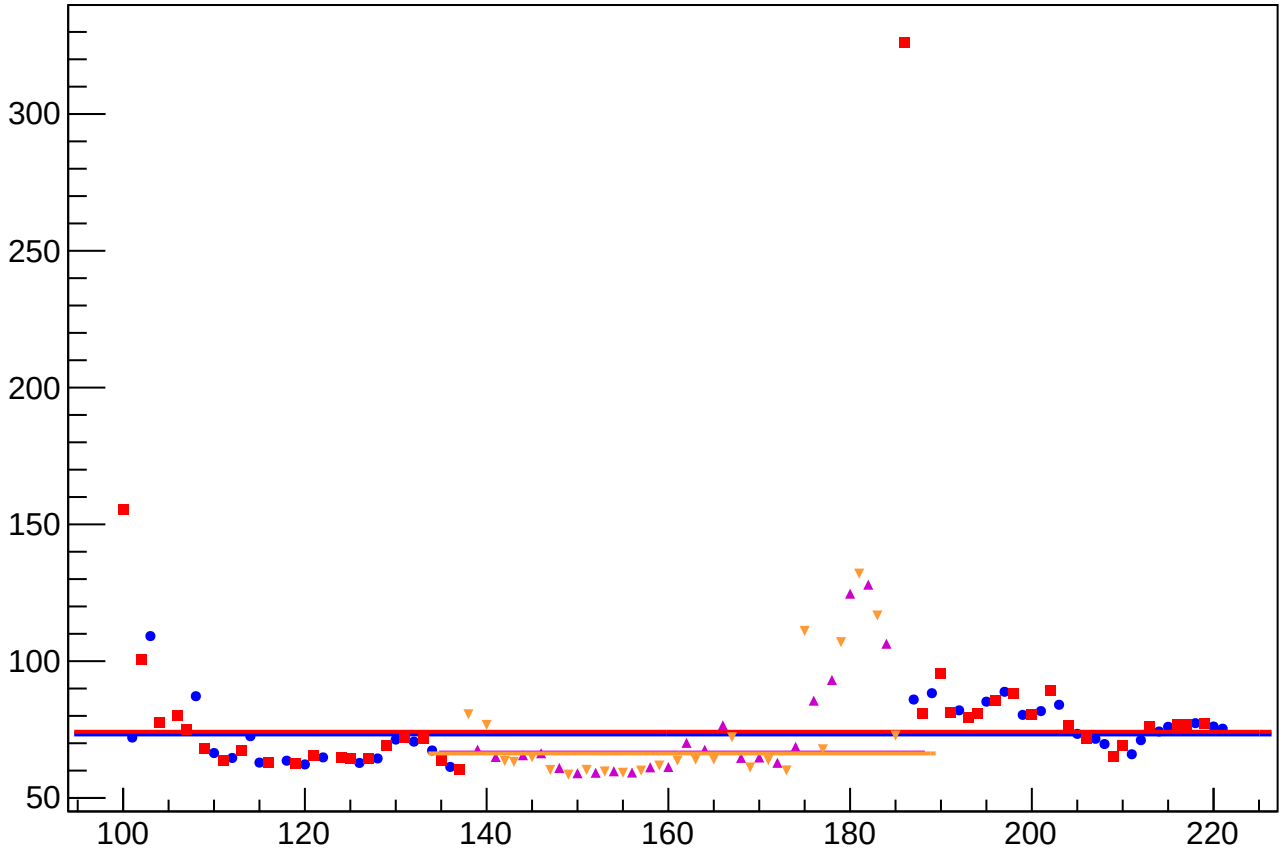
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -180.223+/-11.060 χ^2/NDF: 68.0/58

All: -22.679+/-7.942 χ^2/NDF: 586.8/118

- sign 145.046+/-11.412 χ^2/NDF: 99.9/59

dit_asym_sam8_rms vs Slug



Right In: 73.225+/-0.011 χ^2/NDF: 603906.4/33

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076463.1/36

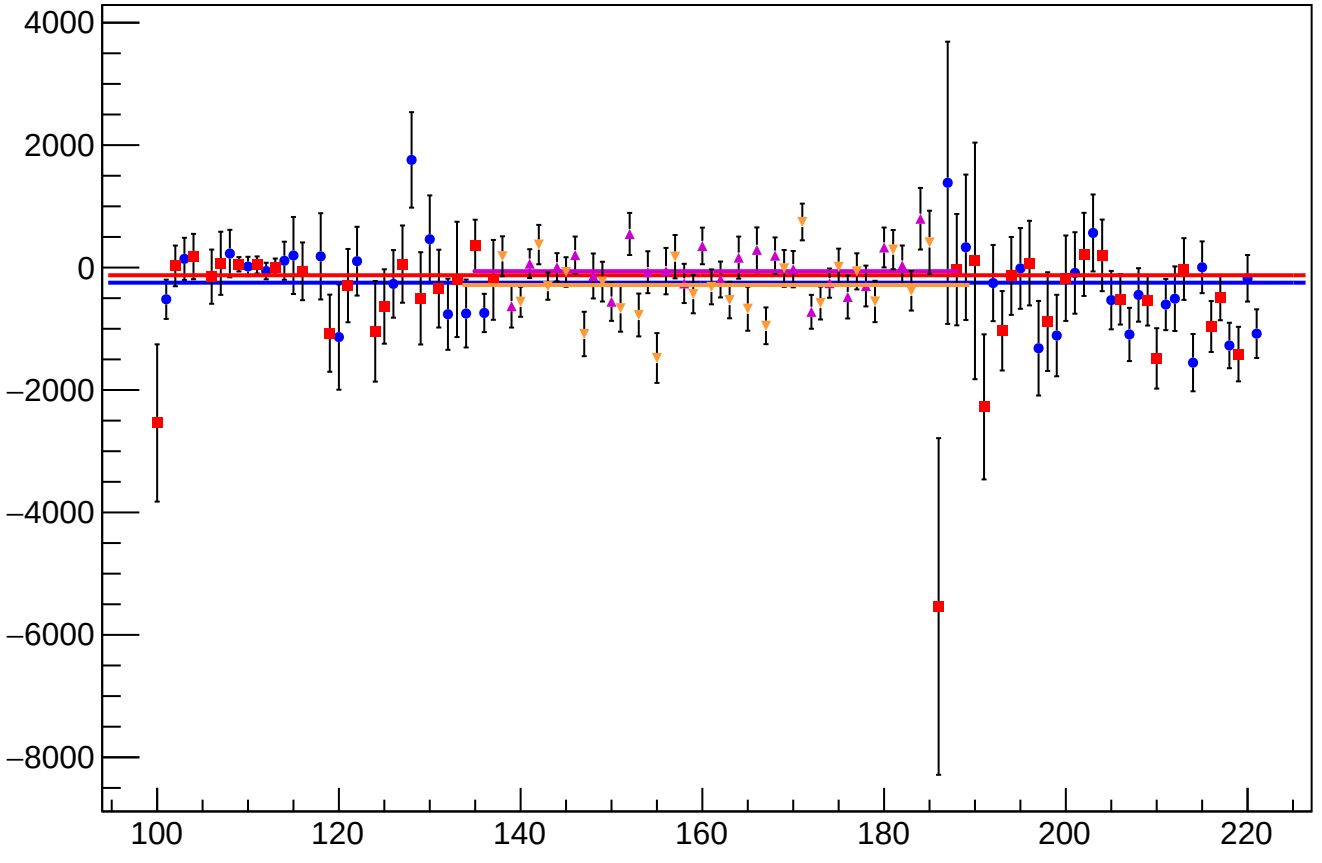
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.706+/-0.008 χ^2/NDF: 2194986.8/58

All: 70.008+/-0.006 χ^2/NDF: 4654640.7/118

- sign 70.330+/-0.008 χ^2/NDF: 2456572.4/59

asym_sam8_dit_correction_mean vs Slug



Right In: -246.979+/-65.804 χ^2/NDF: 55.3/33

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -125.365+/-59.100 χ^2/NDF: 49.0/36

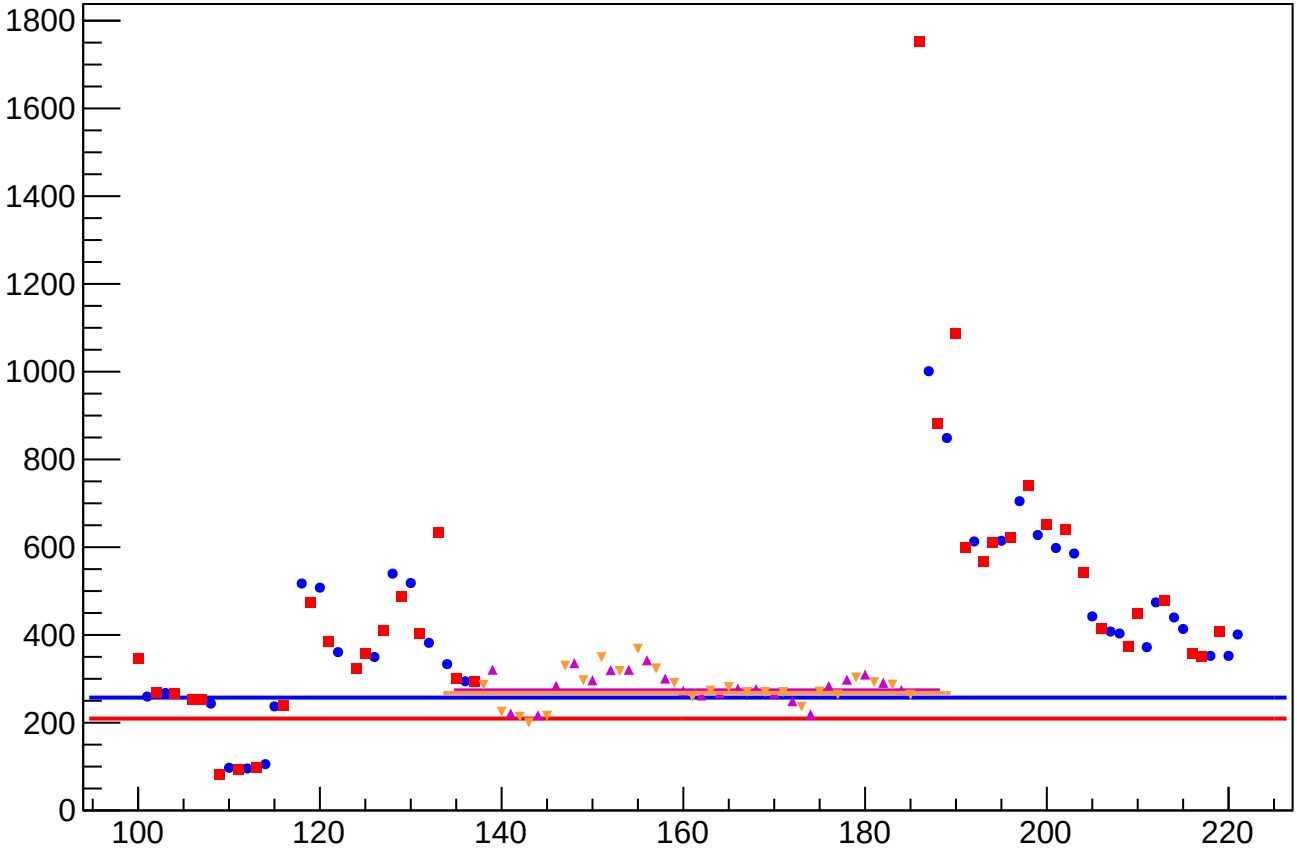
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -266.911+/-45.020 χ^2/NDF: 110.1/58

All: -178.347+/-31.326 χ^2/NDF: 194.0/118

- sign -95.219+/-43.616 χ^2/NDF: 76.4/59

asym_sam8_dit_correction_rms vs Slug



Right In: 257.215+/-0.047 χ^2/NDF: 13266466.6/33

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

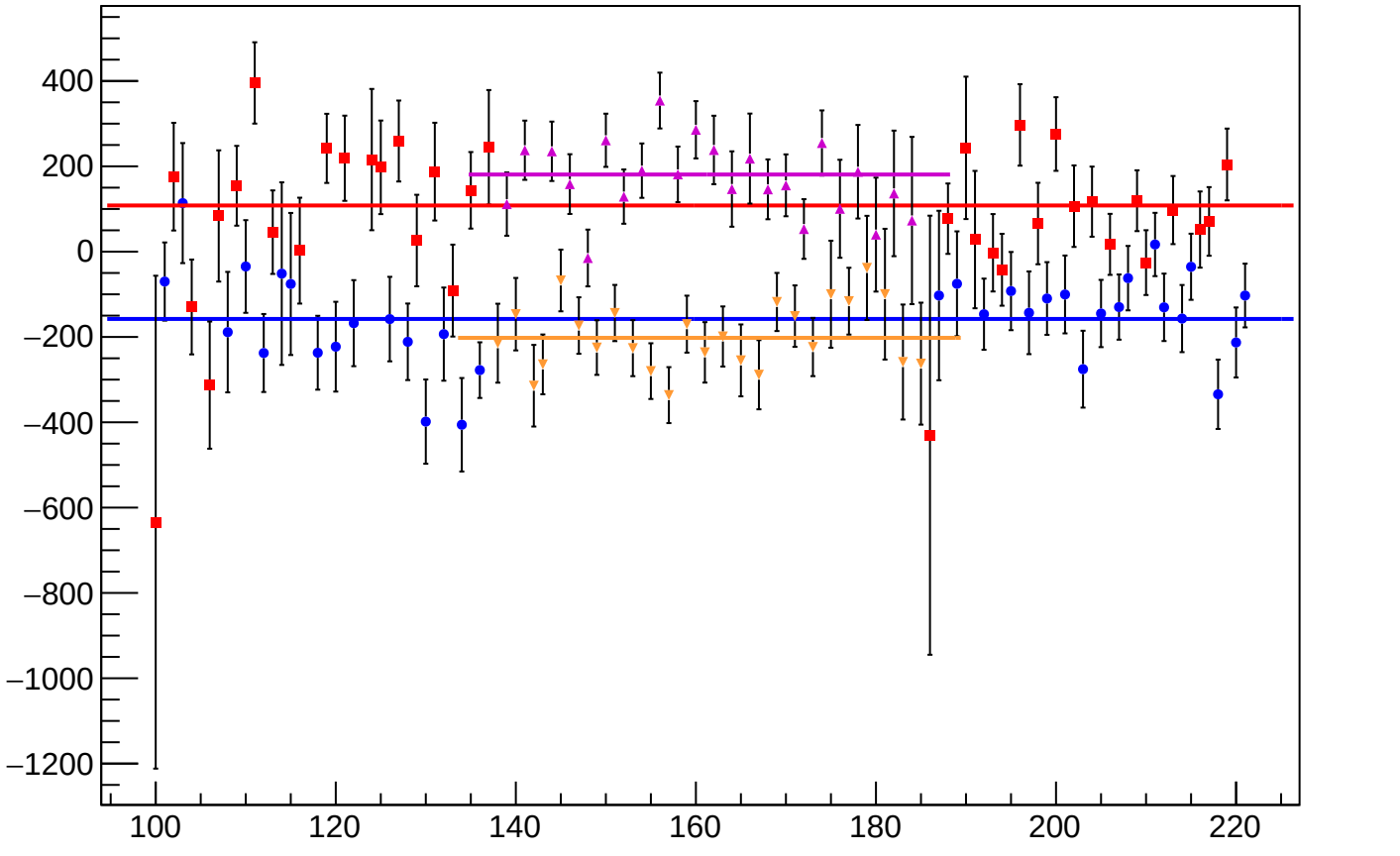
Right Out: 209.422+/-0.042 χ^2/NDF: 17478008.5/36

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 262.944+/-0.032 χ^2/NDF: 14157755.0/58

All: 250.445+/-0.022 χ^2/NDF: 33663855.6/11

- sign 238.714+/-0.031 χ^2/NDF: 19207263.7/59



Right In: -157.764+/-15.746 χ^2/NDF: 42.5/33

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.223+/-16.261 χ^2/NDF: 59.7/36

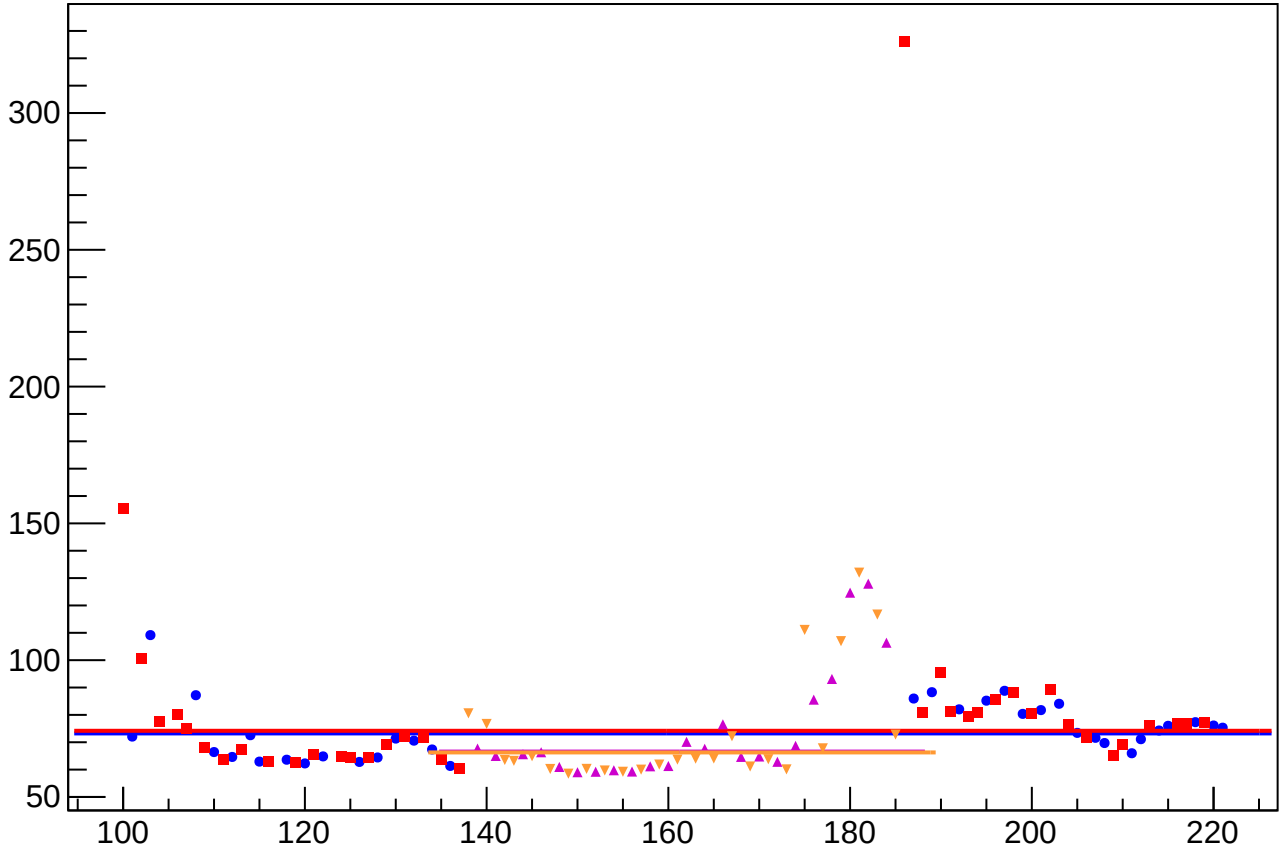
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -180.222+/-11.060 χ^2/NDF: 68.0/58

All: -22.678+/-7.942 χ^2/NDF: 586.9/118

- sign 145.047+/-11.412 χ^2/NDF: 99.9/59

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.225+/-0.011 χ^2/NDF: 603910.6/33

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076468.0/36

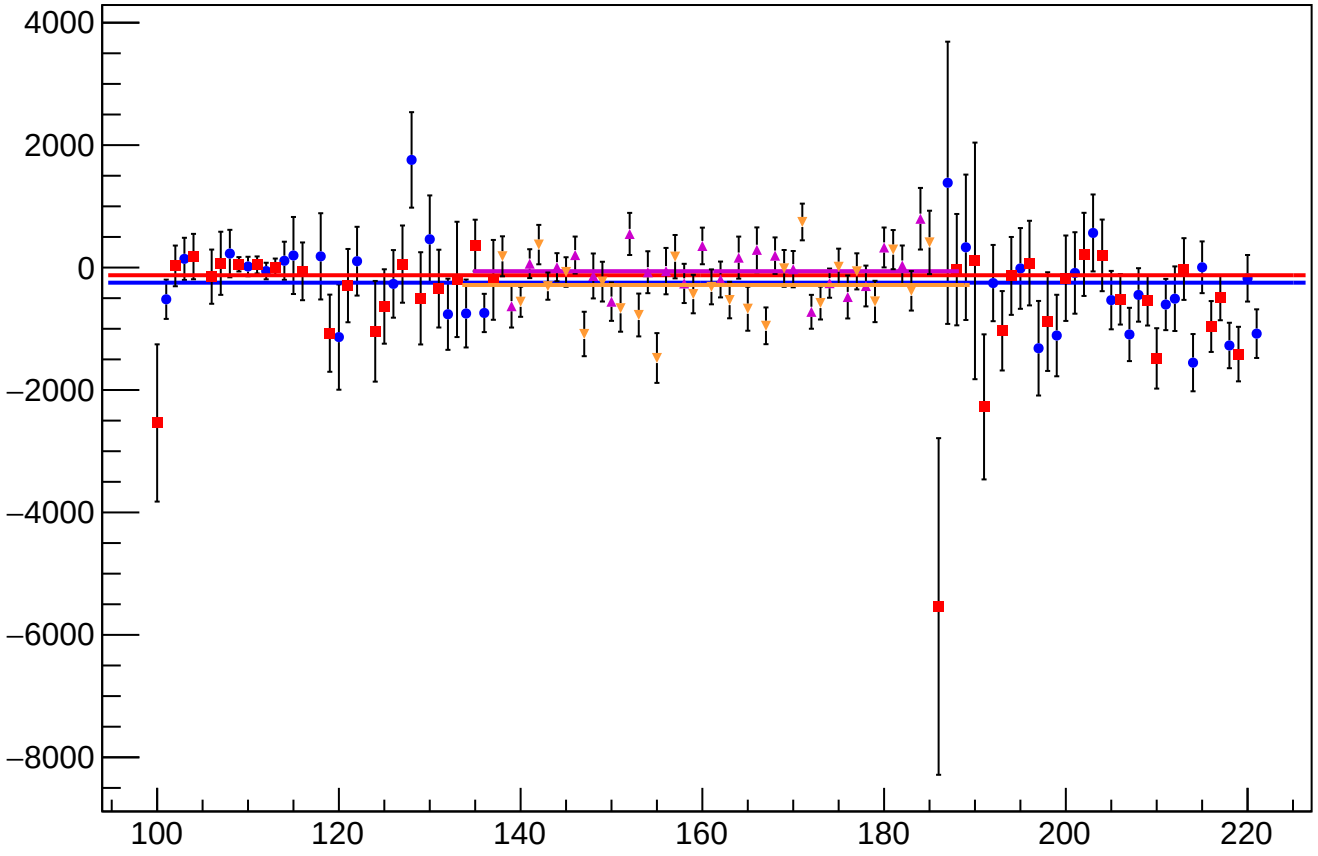
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.706+/-0.008 χ^2/NDF: 2194984.6/58

All: 70.008+/-0.006 χ^2/NDF: 4654625.4/118

- sign 70.330+/-0.008 χ^2/NDF: 2456559.3/59

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -246.976+/-65.804 χ^2/NDF: 55.3/33

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -125.363+/-59.100 χ^2/NDF: 49.0/36

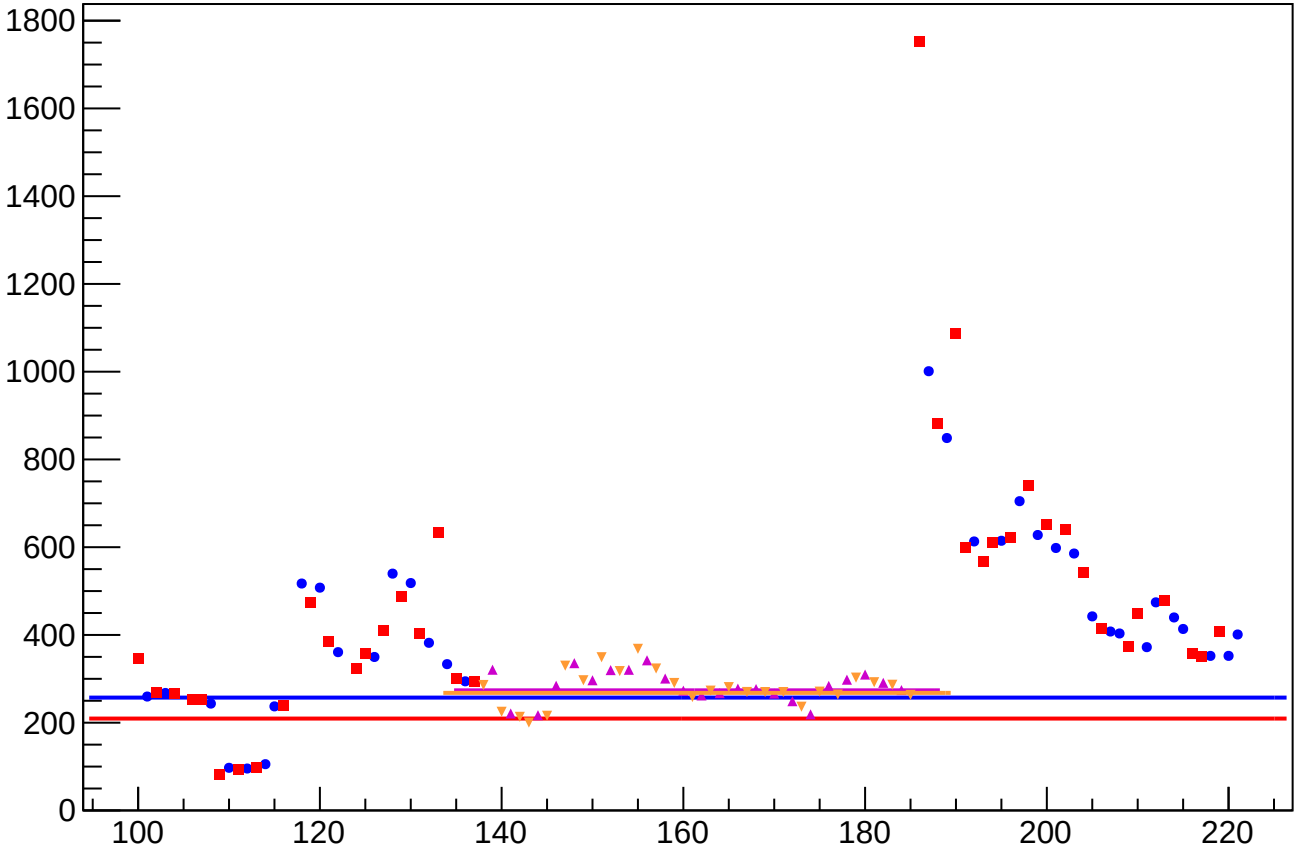
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -266.909+/-45.020 χ^2/NDF: 110.1/58

All: -178.345+/-31.326 χ^2/NDF: 194.0/118

- sign -95.218+/-43.616 χ^2/NDF: 76.4/59

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 257.213+/-0.047 χ^2/NDF: 13266570.4/33

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 209.421+/-0.042 χ^2/NDF: 17478005.9/36

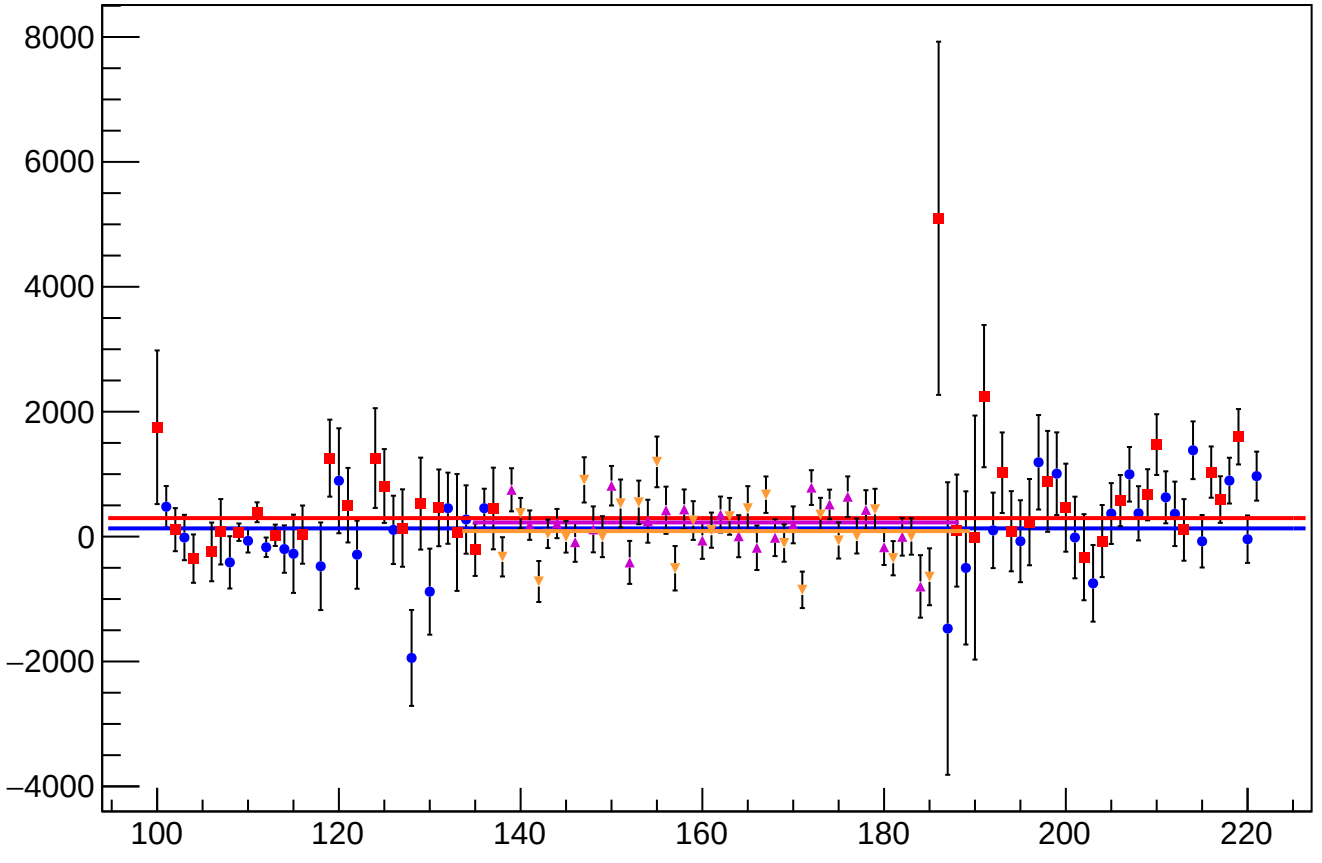
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 262.943+/-0.032 χ^2/NDF: 14157873.2/58

All: 250.444+/-0.022 χ^2/NDF: 33663953.9/11

- sign 238.713+/-0.031 χ^2/NDF: 19207257.6/59

asym_sam8_mean vs Slug



Right In: 131.409+/-70.207 χ^2/NDF: 51.6/33

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 295.941+/-65.072 χ^2/NDF: 47.3/36

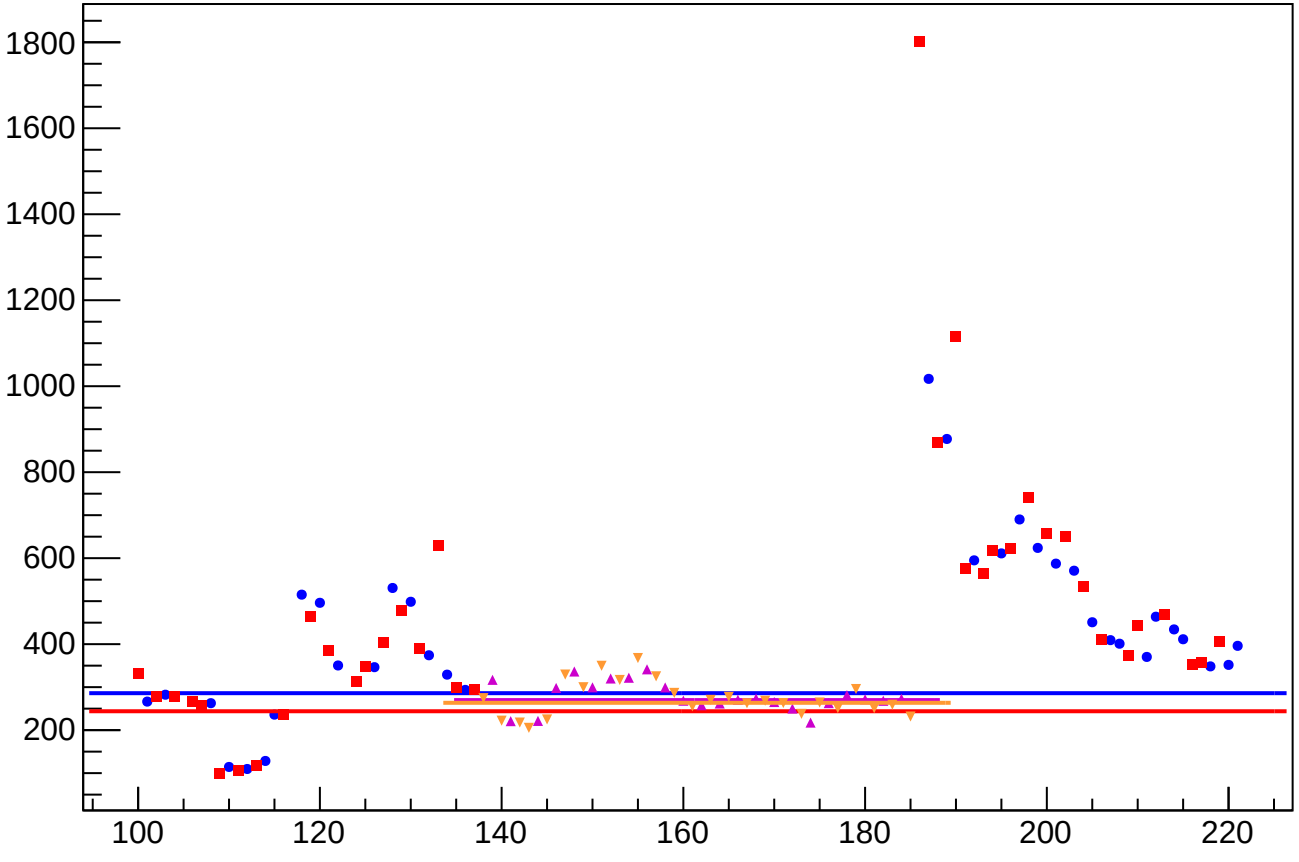
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 106.784+/-45.903 χ^2/NDF: 104.0/58

All: 184.378+/-32.319 χ^2/NDF: 186.4/118

- sign 260.656+/-45.512 χ^2/NDF: 76.7/59

asym_sam8_rms vs Slug



Right In: 285.969+/-0.050 χ^2/NDF: 10602199.9/33

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

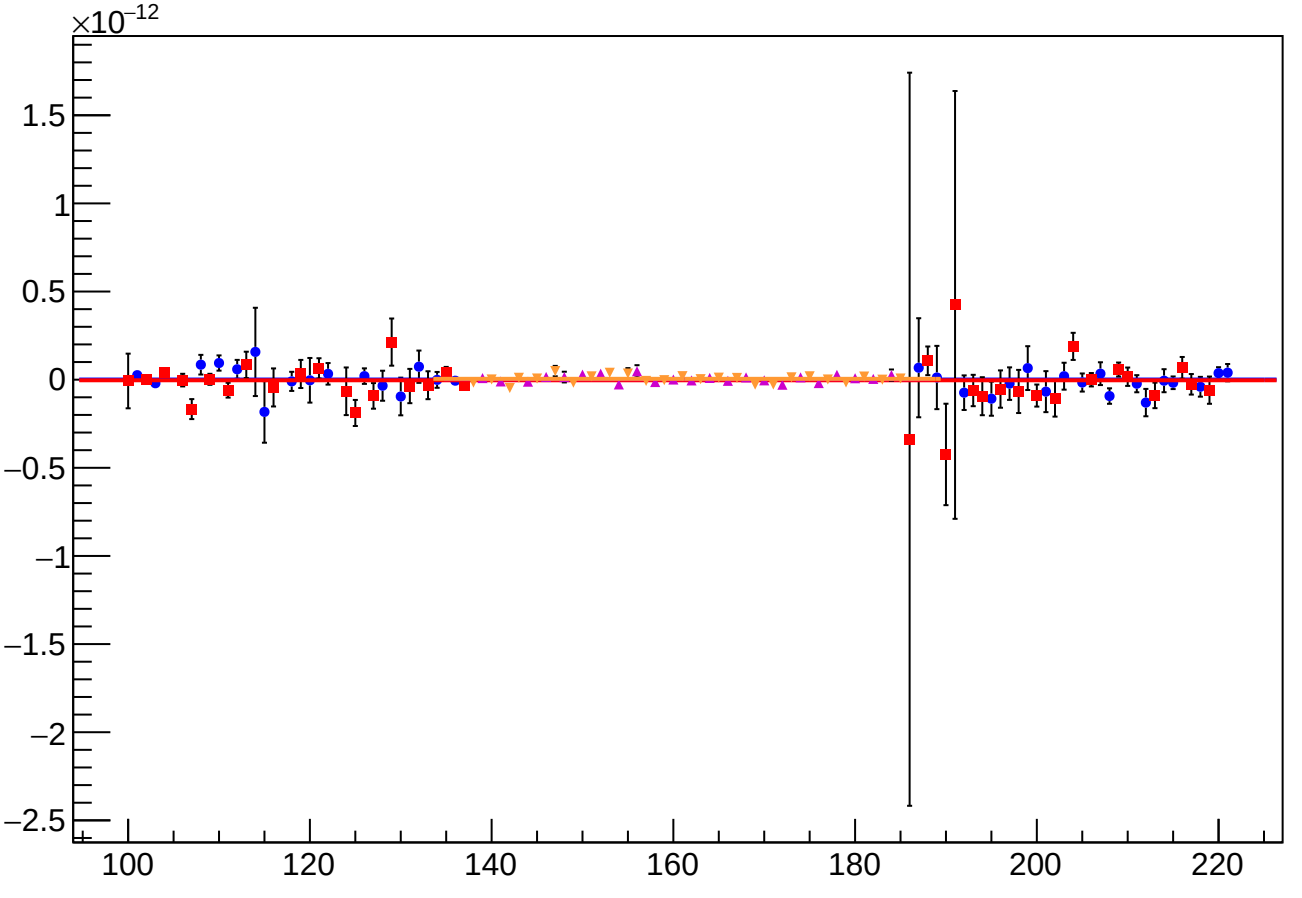
Right Out: 243.925+/-0.046 χ^2/NDF: 14530132.1/36

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 273.158+/-0.032 χ^2/NDF: 11498362.9/58

All: 265.107+/-0.023 χ^2/NDF: 26915515.0/11

- sign 257.193+/-0.032 χ^2/NDF: 15295144.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

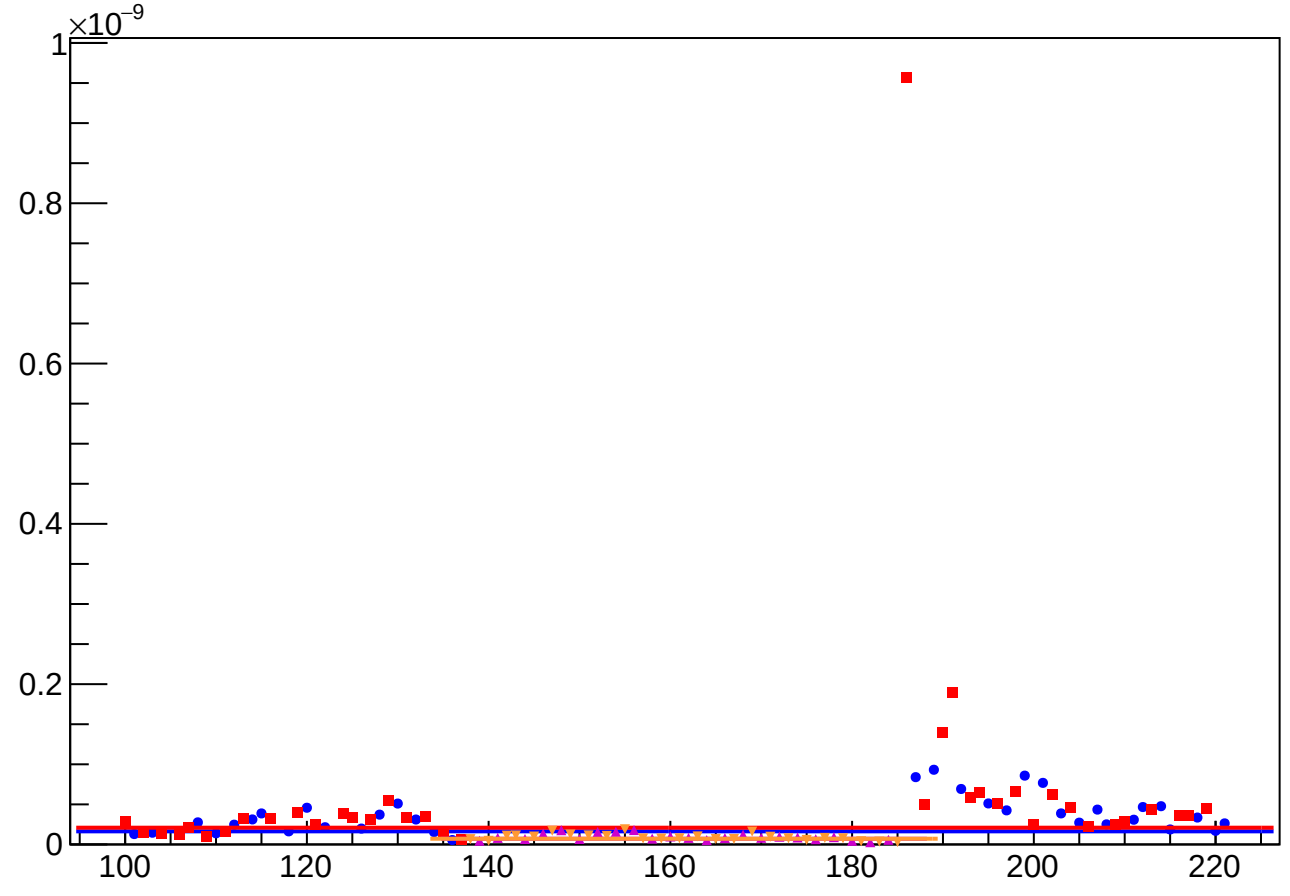
Right Out: -0.000+/-0.000 χ^2/NDF: 51.4/36

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

\+ sign 0.000+/-0.000 χ^2/NDF: 55.6/58

All: 0.000+/-0.000 χ^2/NDF: 129.2/118

\- sign 0.000+/-0.000 χ^2/NDF: 73.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 7103171.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5411593.4/36

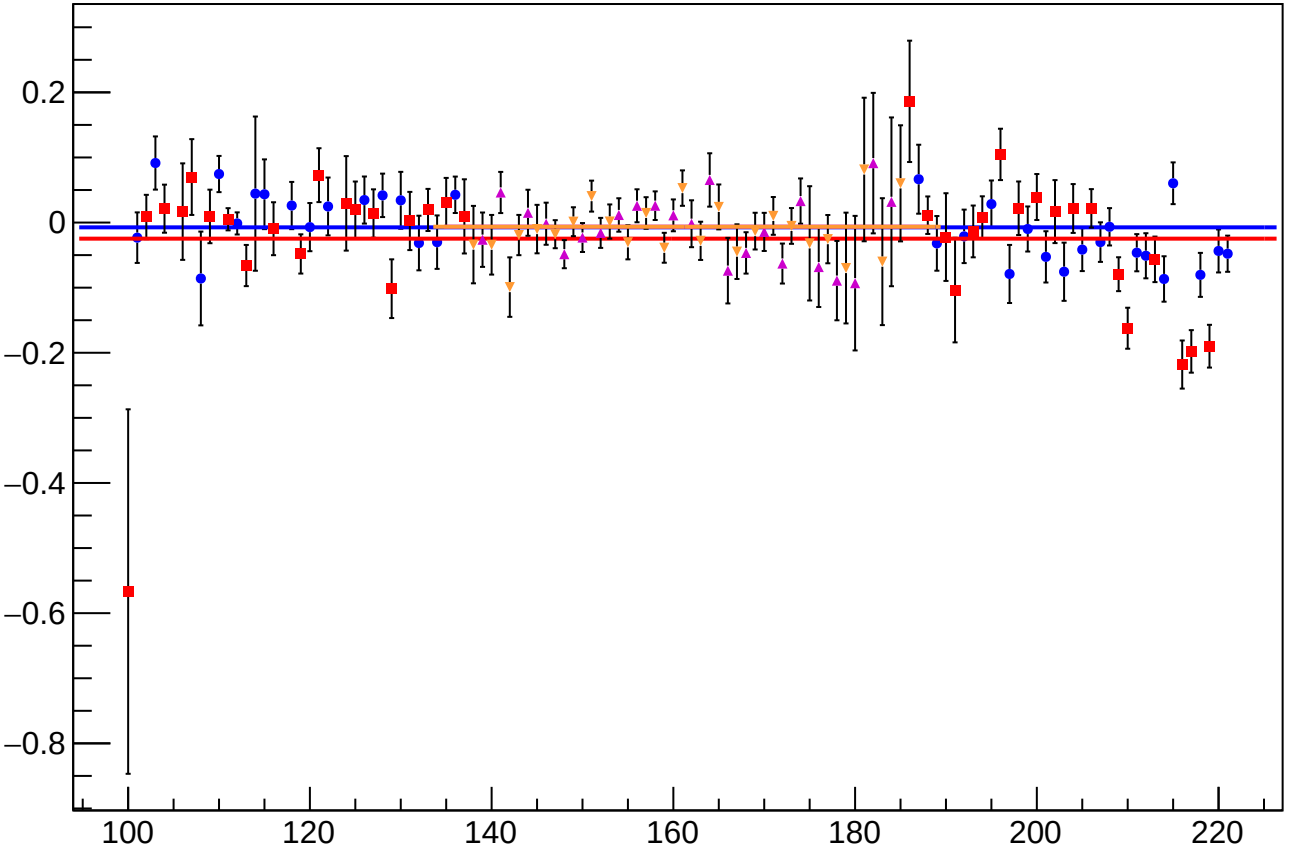
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11888873.7/58

All: 0.000+/-0.000 χ^2/NDF: 23846132.8/118

- sign 0.000+/-0.000 χ^2/NDF: 11954476.7/59

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

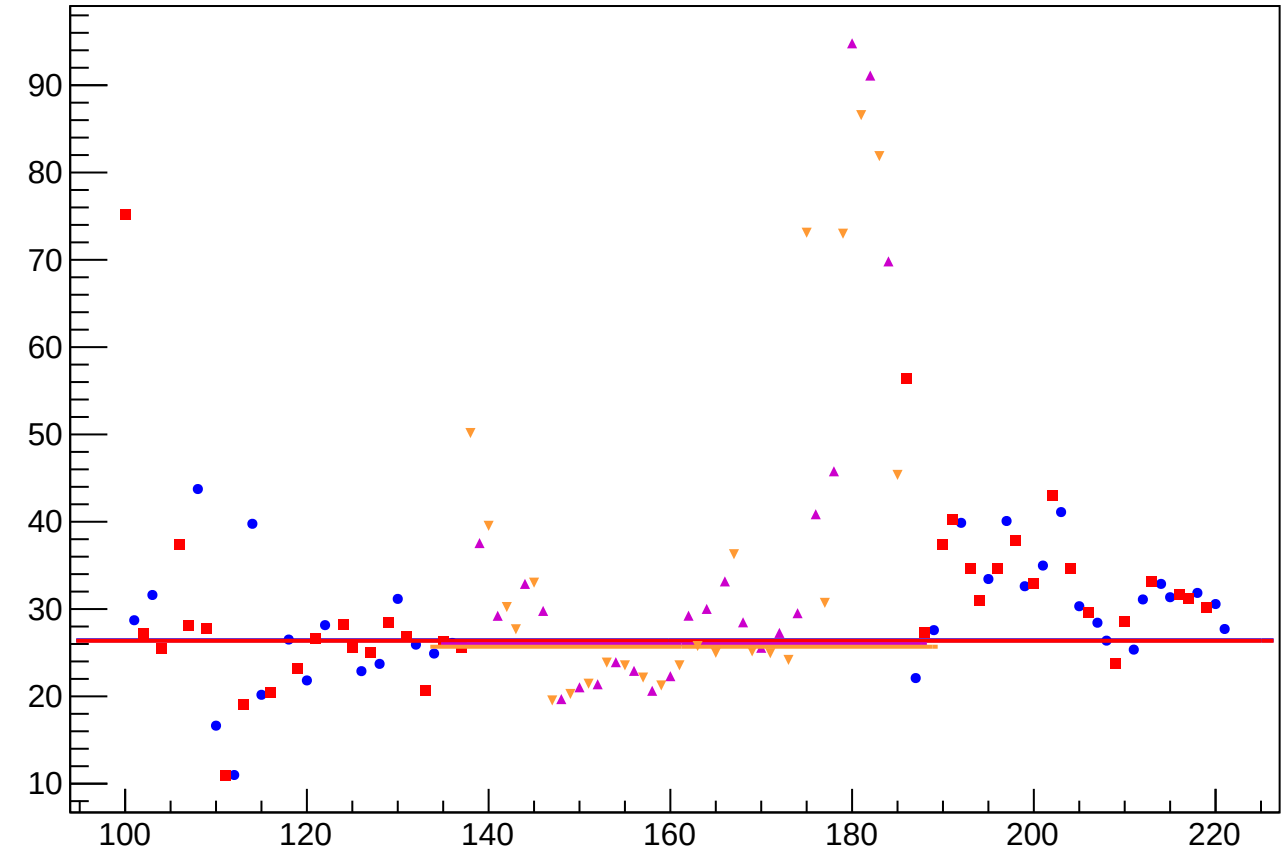
Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 281.8/118

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59



Right In: 26.422+/-0.004 χ^2/NDF: 3343954.3/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

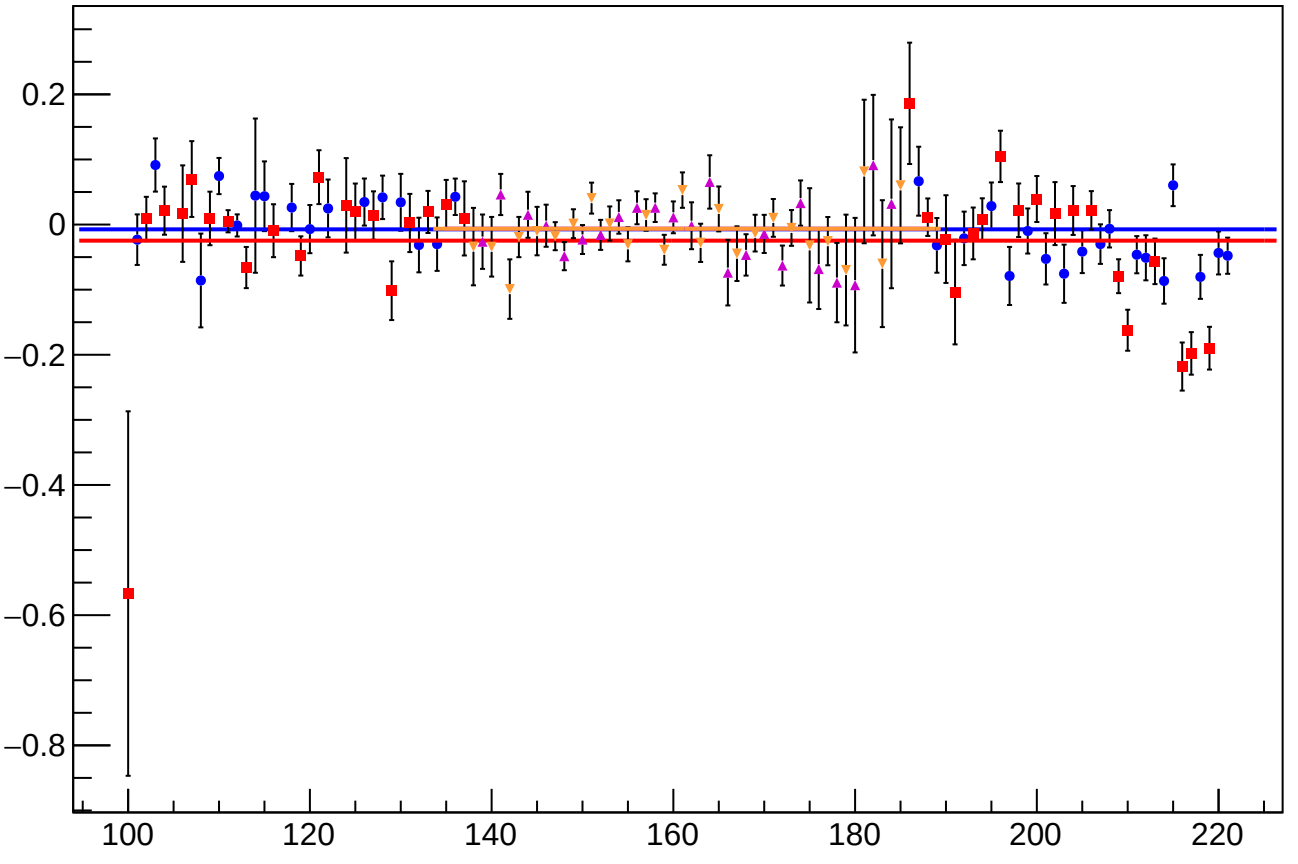
Right Out: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 26.080+/-0.003 χ^2/NDF: 7229734.7/58

All: 26.132+/-0.002 χ^2/NDF: 13687548.6/118

- sign 26.187+/-0.003 χ^2/NDF: 6457224.3/59



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

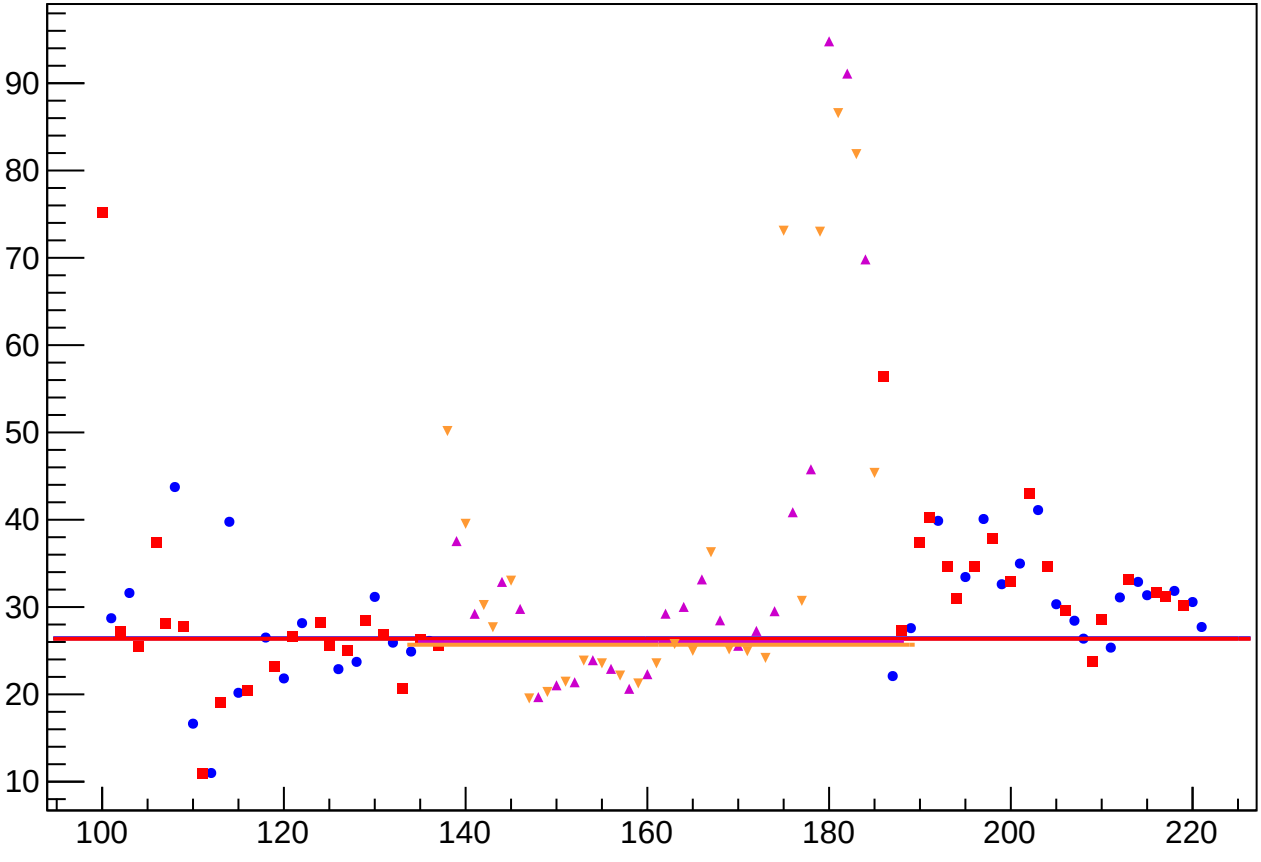
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 281.8/118

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.422+/-0.004 χ^2/NDF: 3343954.3/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

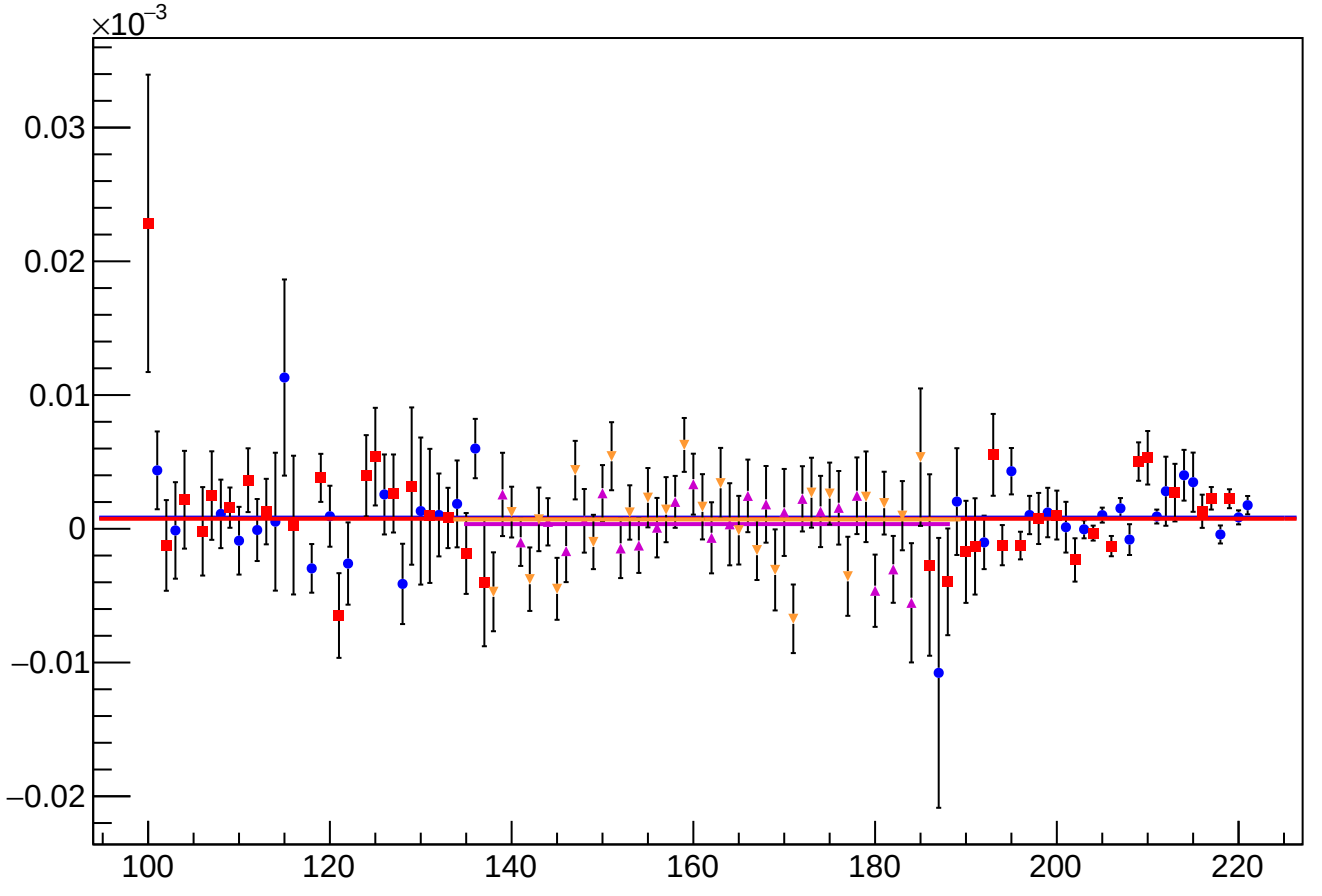
Right Out: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 26.080+/-0.003 χ^2/NDF: 7229734.7/58

All: 26.132+/-0.002 χ^2/NDF: 13687548.6/118

- sign 26.187+/-0.003 χ^2/NDF: 6457224.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.6/36

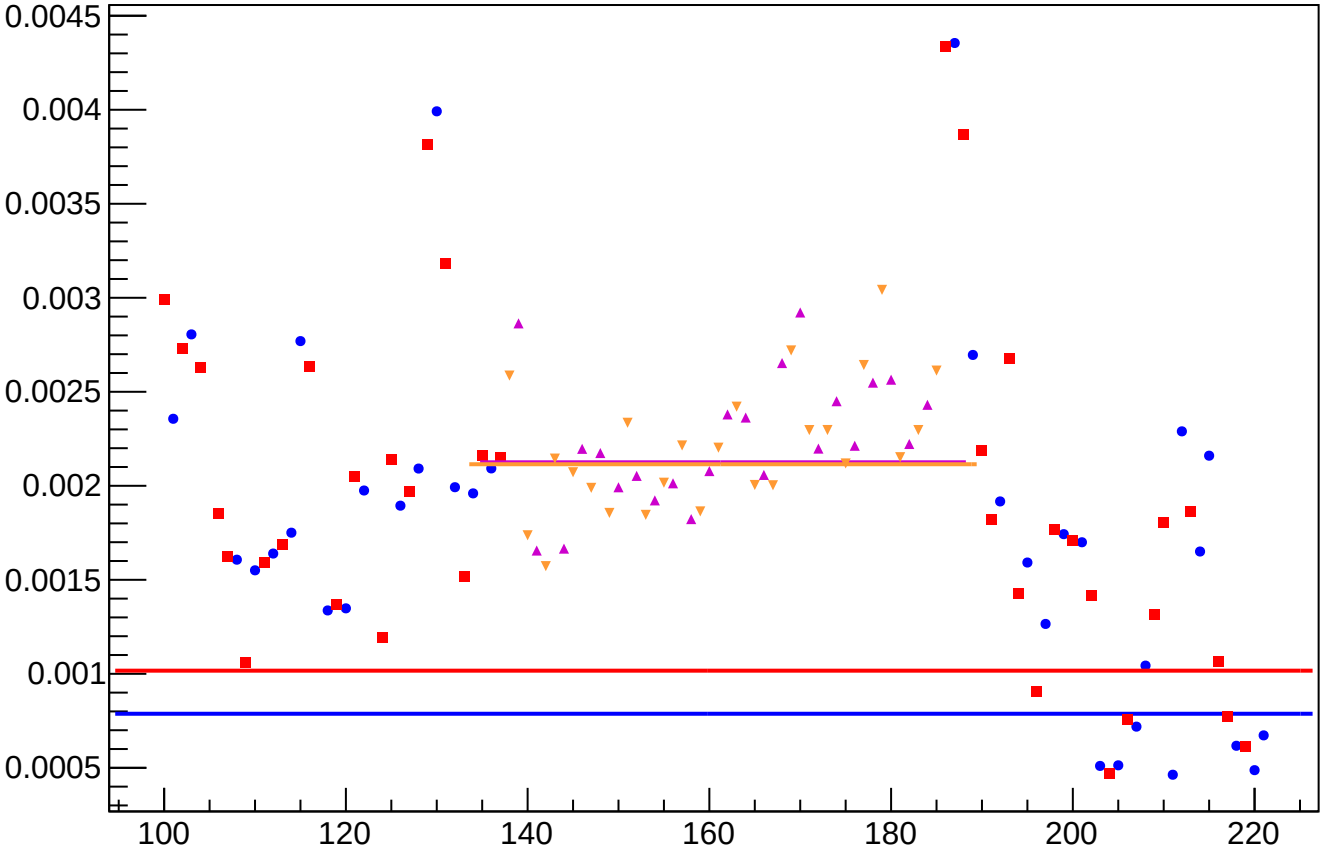
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 84.1/58

All: 0.000+/-0.000 χ^2/NDF: 168.8/118

- sign 0.000+/-0.000 χ^2/NDF: 84.4/59

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12661757.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10578074.4/36

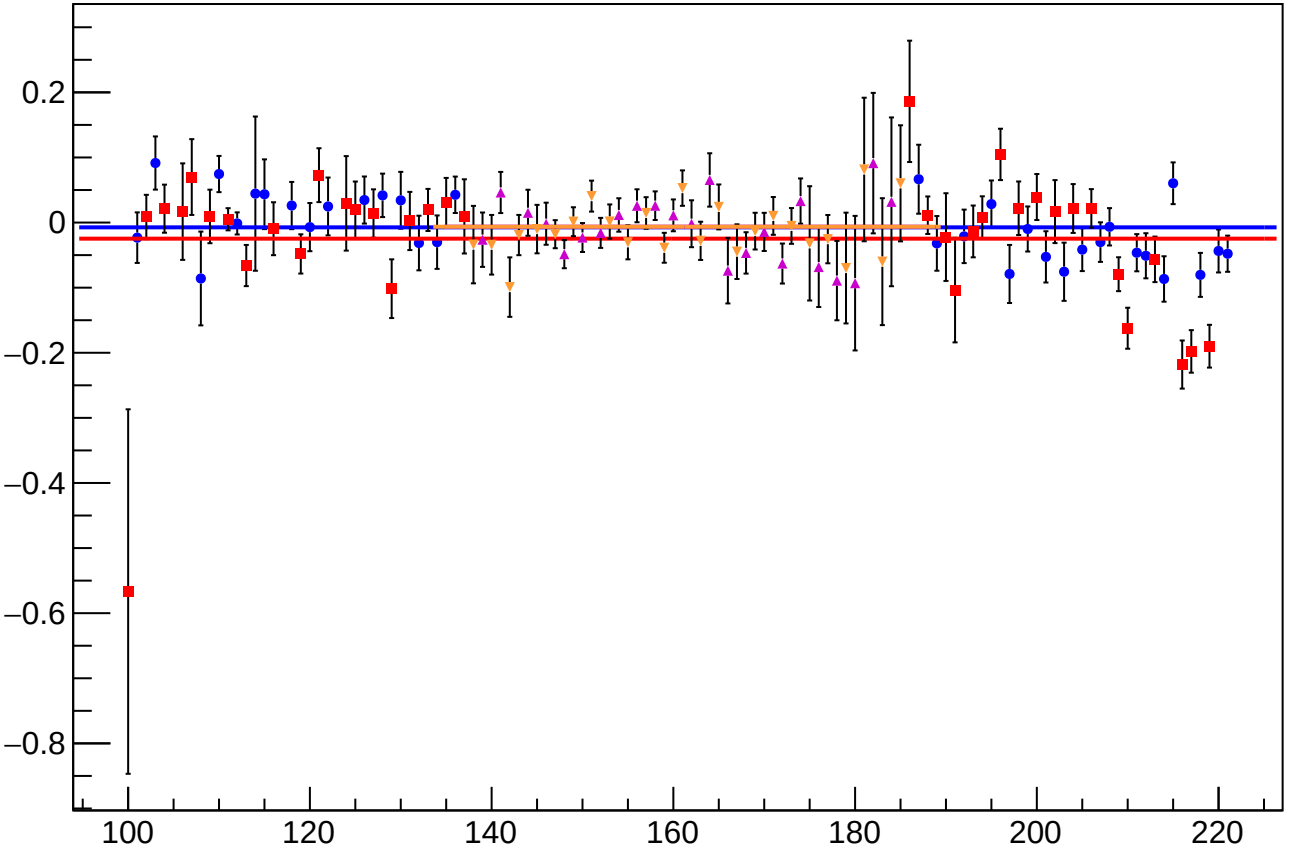
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 26048392.8/58

All: 0.001+/-0.000 χ^2/NDF: 46660849.8/118

- sign 0.001+/-0.000 χ^2/NDF: 19078078.4/59

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

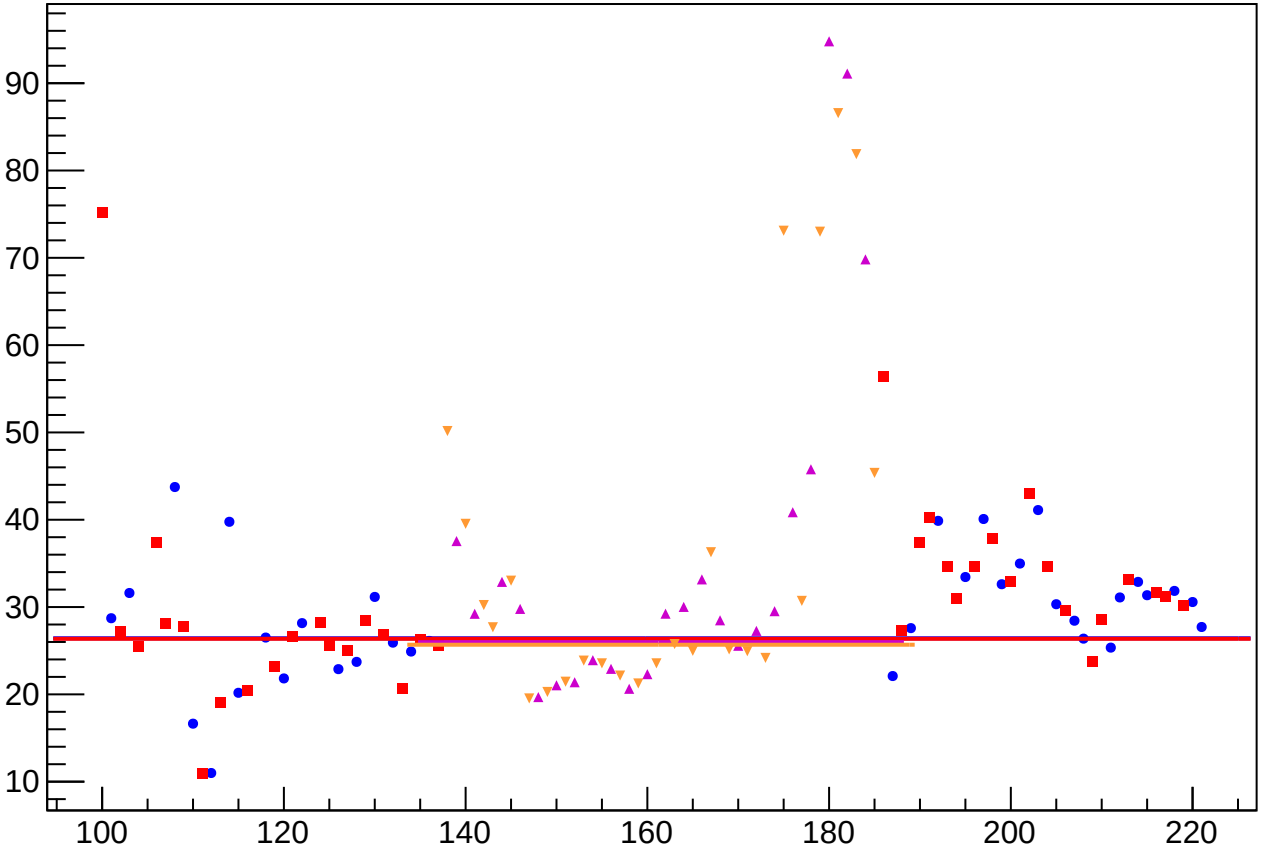
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 281.8/118

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.422+/-0.004 χ^2/NDF: 3344253.9/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

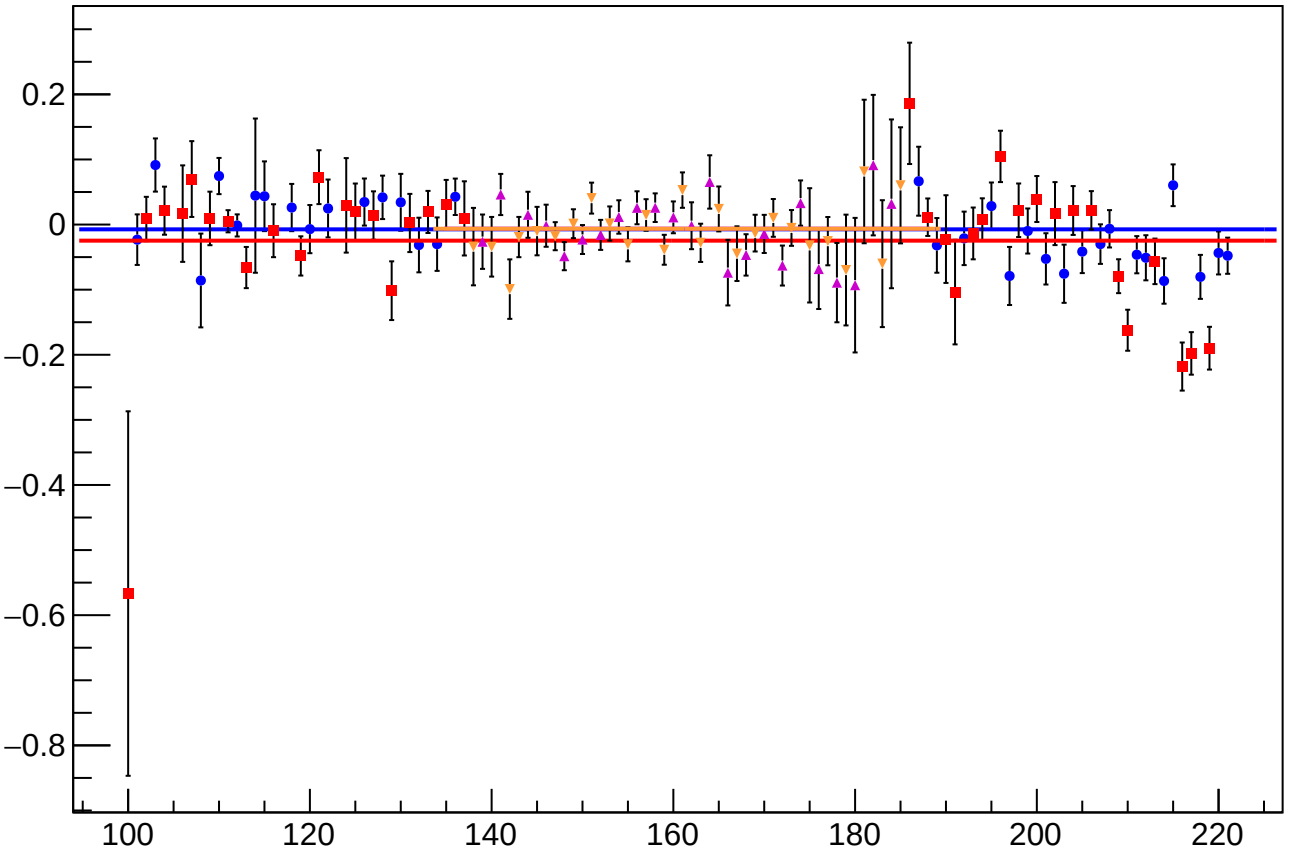
Right Out: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 26.080+/-0.003 χ^2/NDF: 7230017.8/58

All: 26.132+/-0.002 χ^2/NDF: 13688100.9/118

- sign 26.187+/-0.003 χ^2/NDF: 6457494.0/59



Right In: -0.007+/-0.006 χ^2/NDF: 59.1/33

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

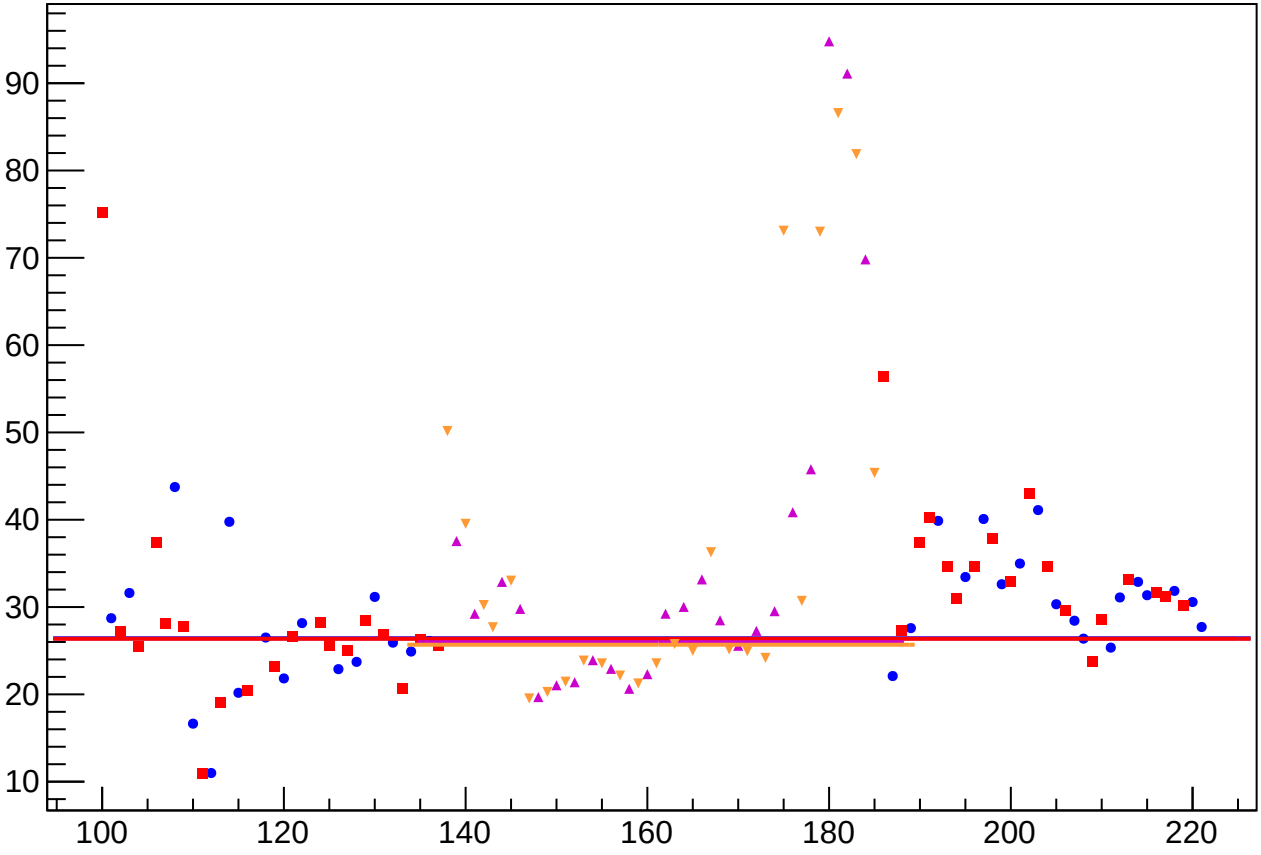
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.007+/-0.004 χ^2/NDF: 81.6/58

All: -0.012+/-0.003 χ^2/NDF: 281.8/118

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.422+/-0.004 χ^2/NDF: 3344253.9/33

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

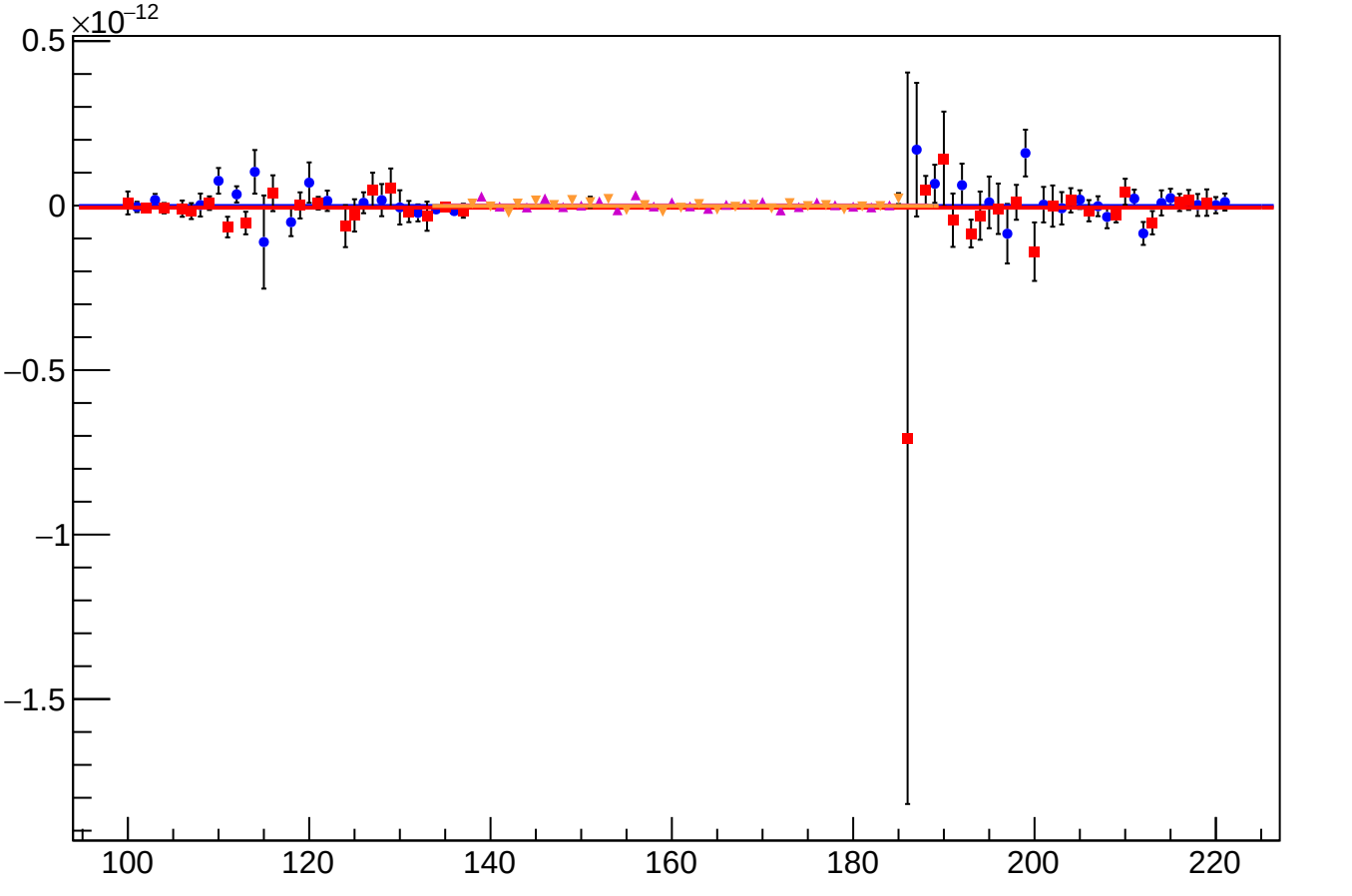
Right Out: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 26.080+/-0.003 χ^2/NDF: 7230017.8/58

All: 26.132+/-0.002 χ^2/NDF: 13688100.9/118

- sign 26.187+/-0.003 χ^2/NDF: 6457494.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

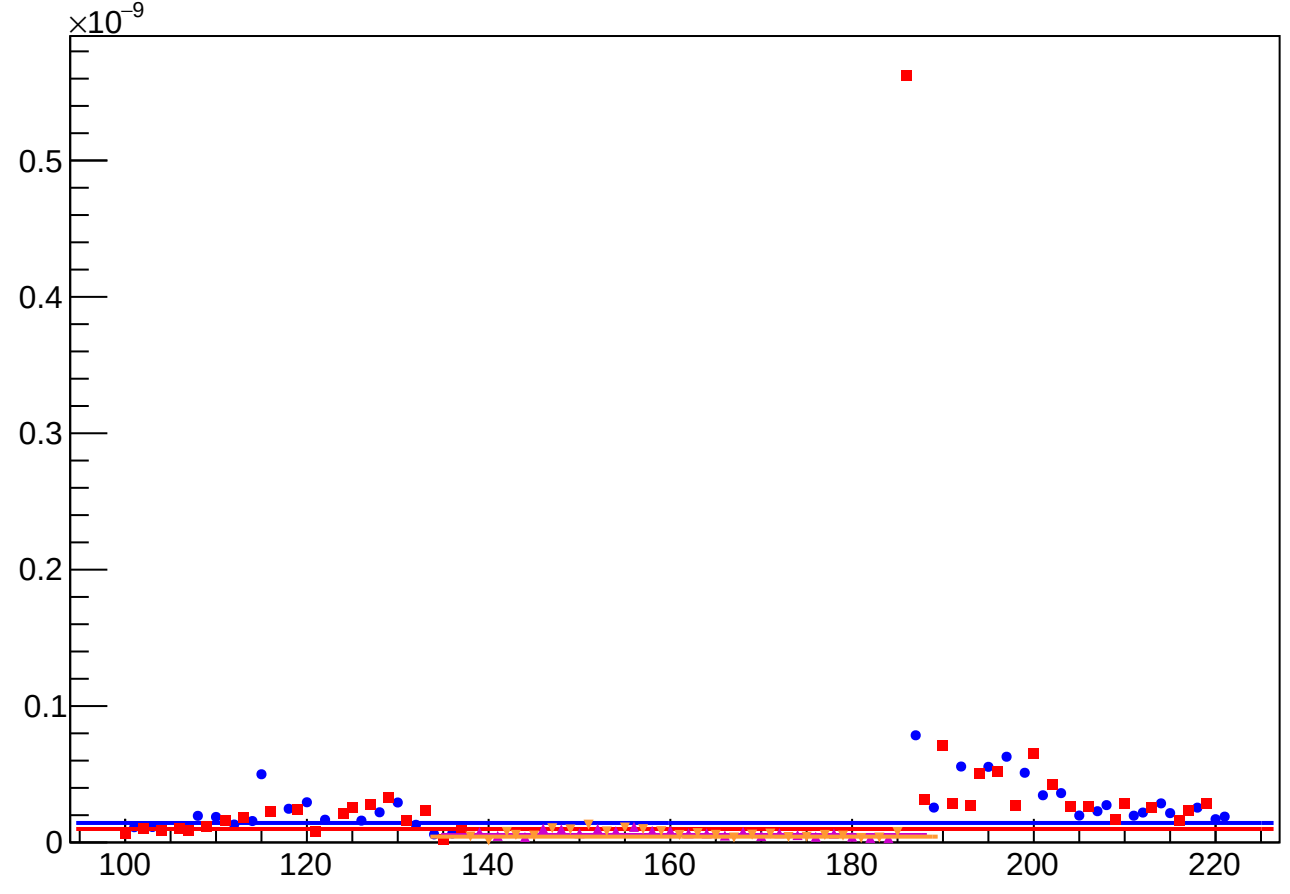
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/36

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.0/58

All: -0.000+/-0.000 χ^2/NDF: 122.0/118

- sign -0.000+/-0.000 χ^2/NDF: 57.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7829143.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12412252.2/36

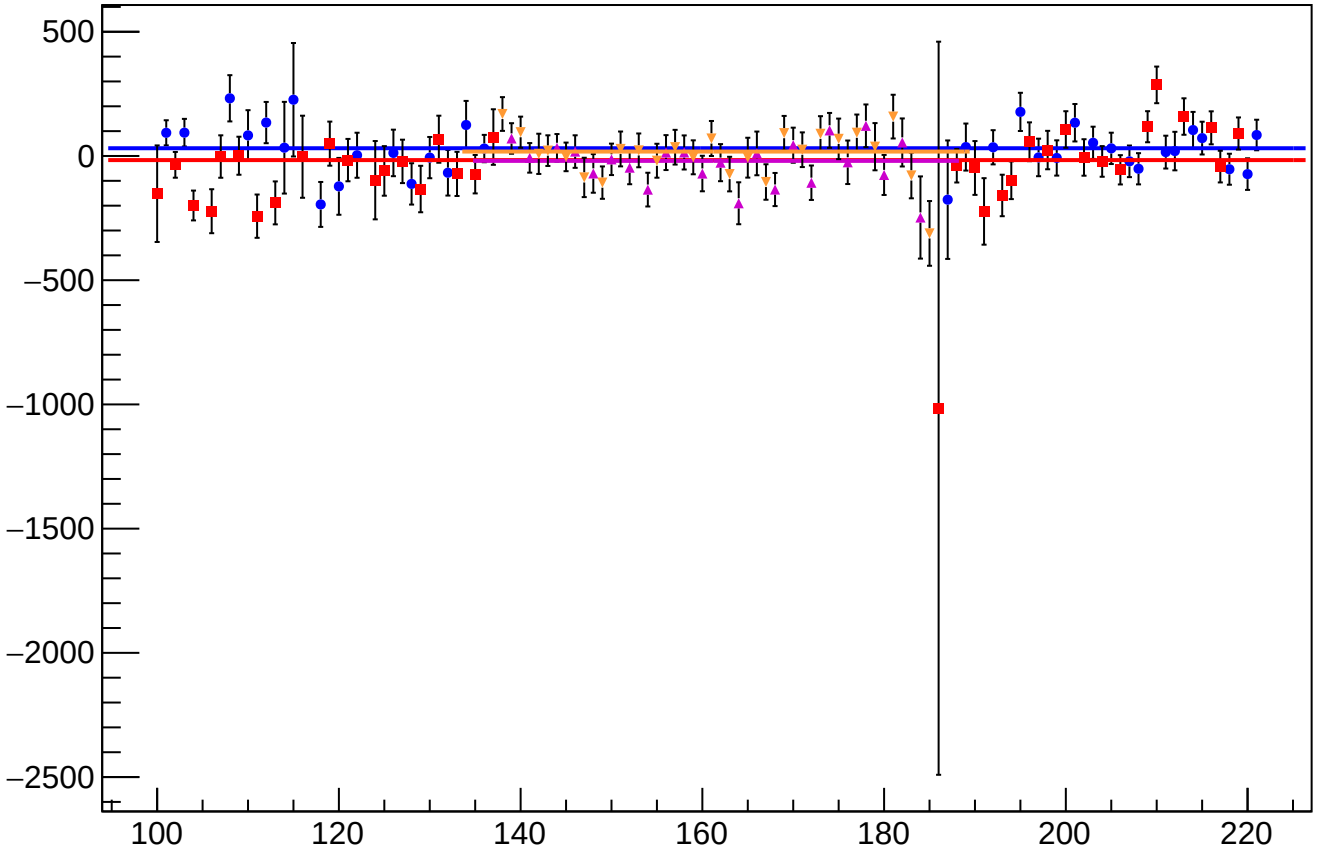
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 21761071.8/58

All: 0.000+/-0.000 χ^2/NDF: 39617197.6/118

- sign 0.000+/-0.000 χ^2/NDF: 17333398.9/59

reg_asym_sam_15_avg_mean vs Slug



Right In: 31.164+/-12.877 χ^2/NDF: 39.5/33

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -16.557+/-13.109 χ^2/NDF: 76.5/36

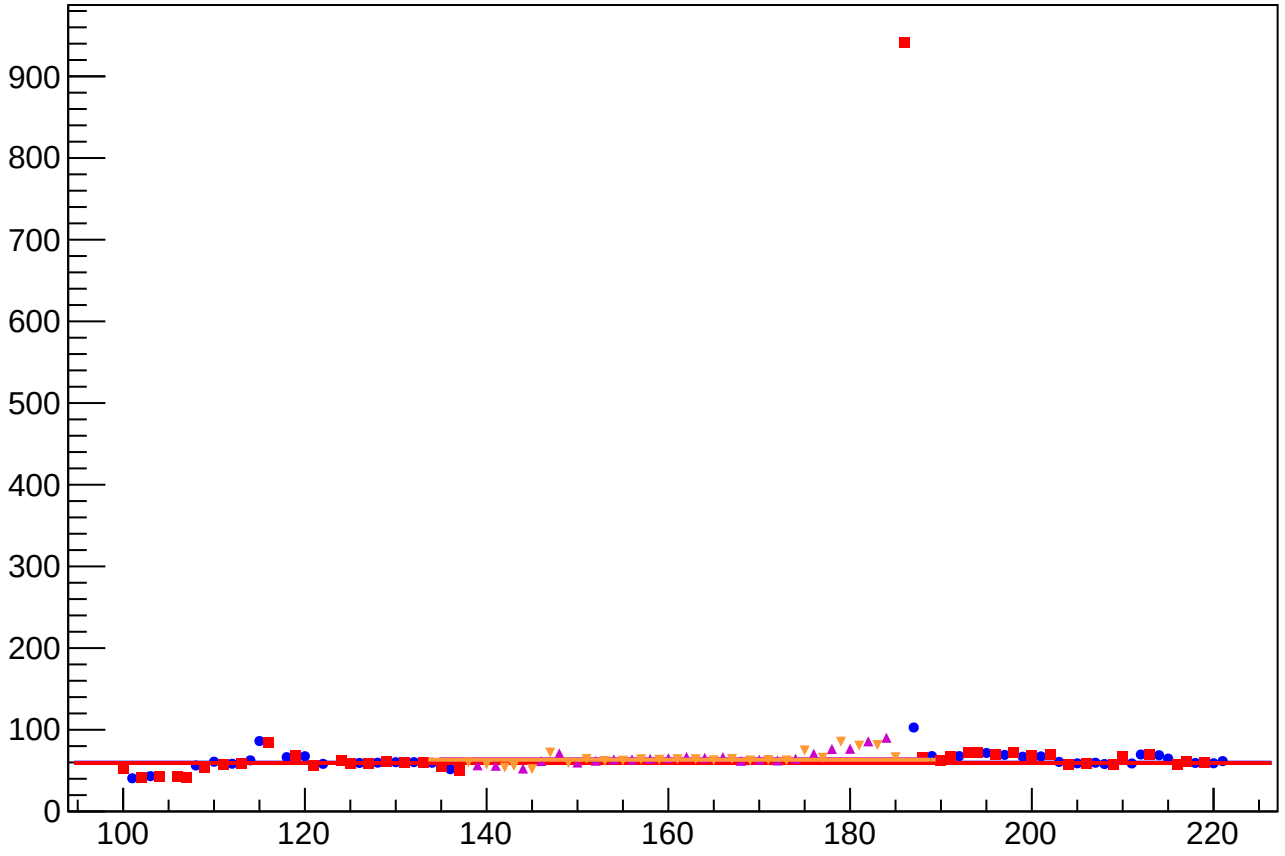
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.269+/-9.627 χ^2/NDF: 71.5/58

All: 4.254+/-6.896 χ^2/NDF: 184.1/118

- sign -17.889+/-9.882 χ^2/NDF: 102.8/59

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.722+/-0.009 χ^2/NDF: 864690.0/33

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.312+/-0.009 χ^2/NDF: 1719337.9/36

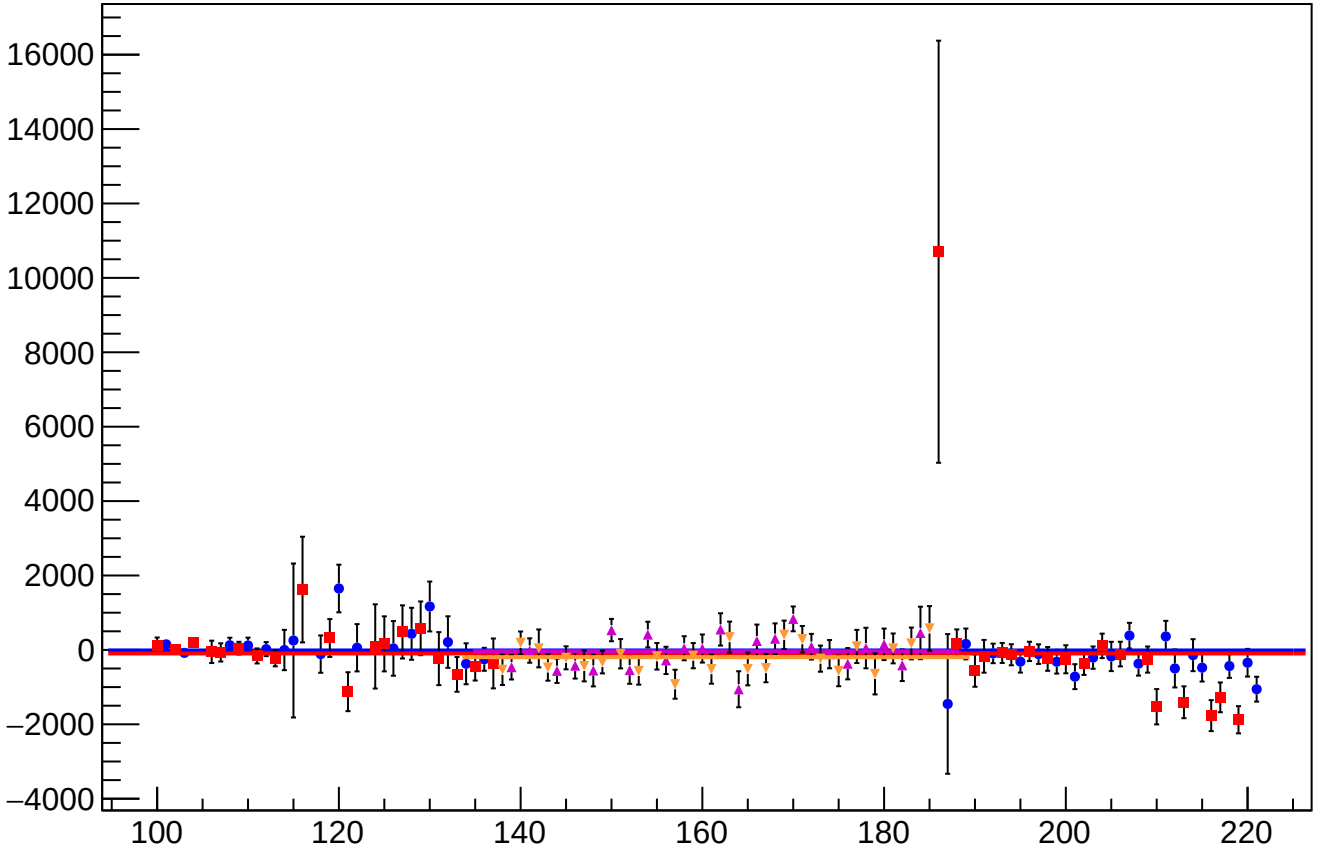
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.306+/-0.007 χ^2/NDF: 1430697.6/58

All: 61.303+/-0.005 χ^2/NDF: 3701949.6/118

- sign 61.301+/-0.007 χ^2/NDF: 2271251.7/59

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: -15.238+/-40.417 χ^2/NDF: 44.8/33

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -95.748+/-43.111 χ^2/NDF: 98.3/36

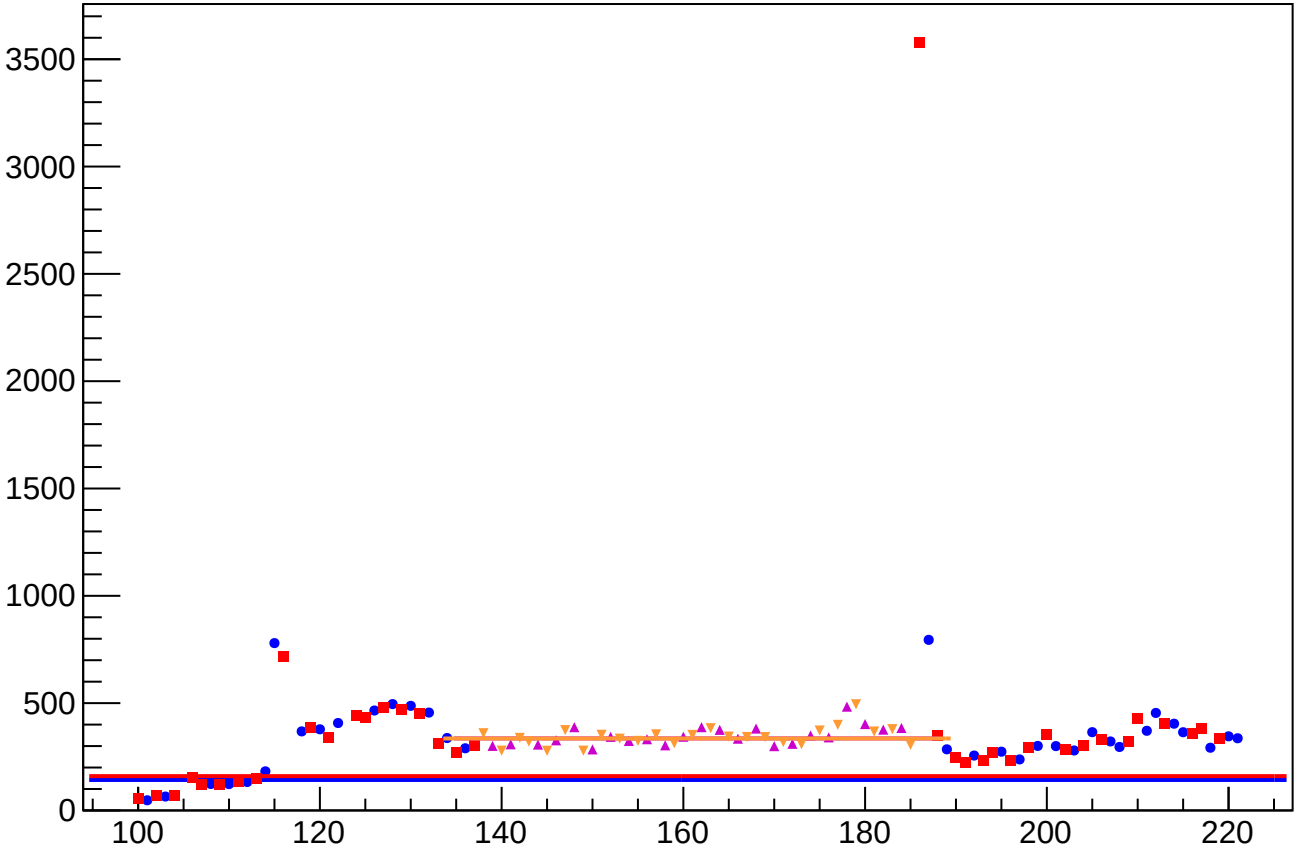
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

\+ sign -54.202+/-35.796 χ^2/NDF: 69.7/58

All: -67.410+/-26.012 χ^2/NDF: 199.8/118

\- sign -82.189+/-37.866 χ^2/NDF: 129.8/59

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 142.064+/-0.029 χ^2/NDF: 18331428.4/33

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 159.890+/-0.030 χ^2/NDF: 14813115.4/36

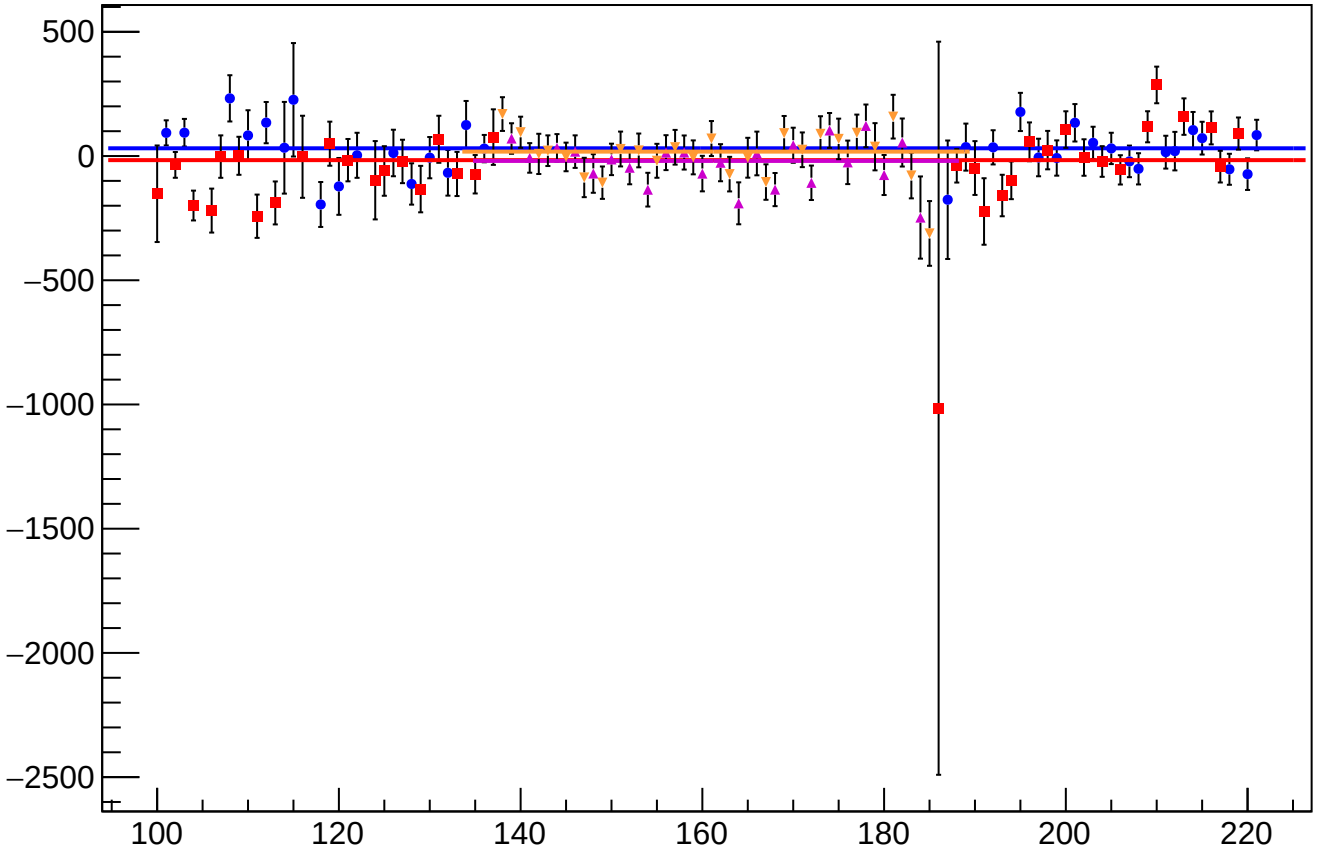
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 183.722+/-0.025 χ^2/NDF: 28749640.7/58

All: 191.417+/-0.018 χ^2/NDF: 51839862.1/11

- sign 200.028+/-0.027 χ^2/NDF: 22894379.1/59

cor_asym_sam_15_avg_mean vs Slug



Right In: 31.169+/-12.877 χ^2/NDF: 39.5/33

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -16.495+/-13.109 χ^2/NDF: 76.3/36

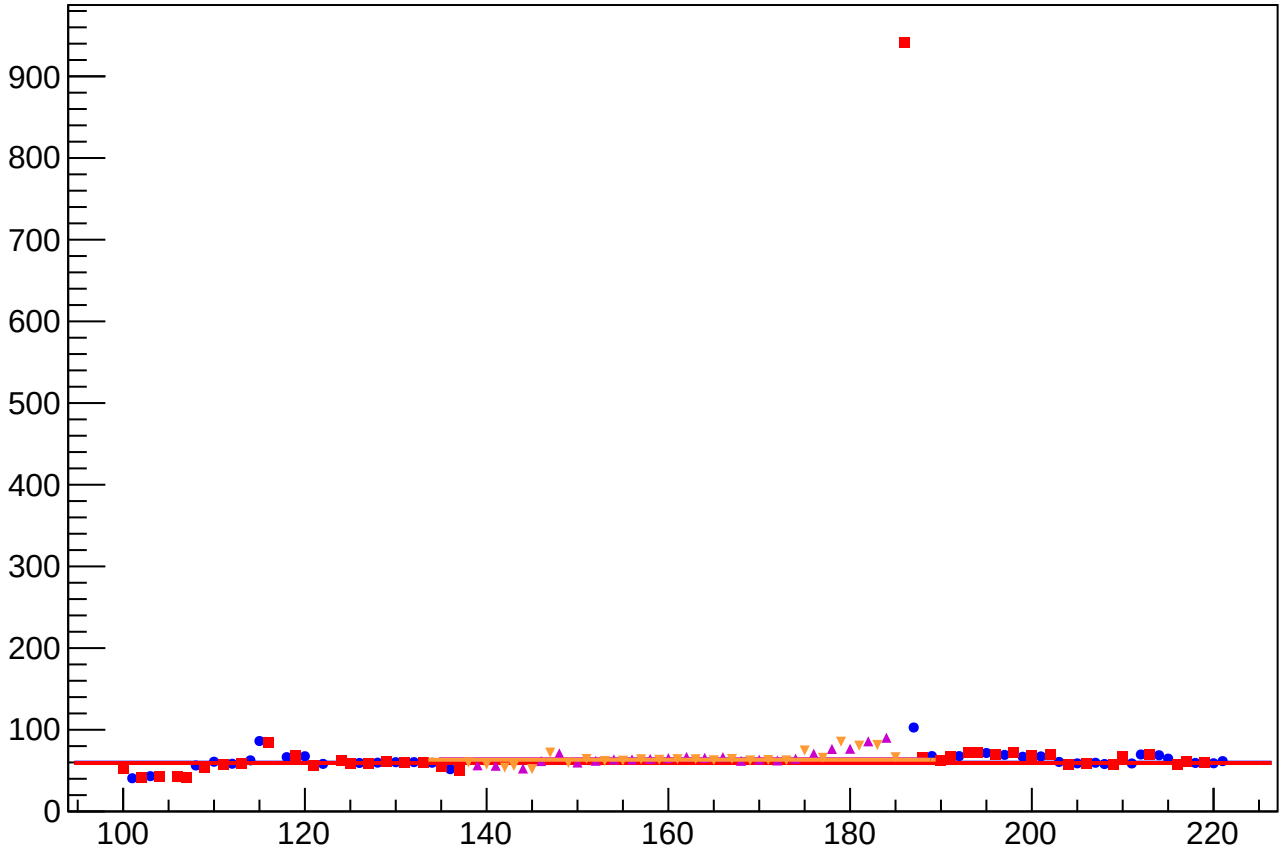
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

\+ sign 25.273+/-9.627 χ^2/NDF: 71.5/58

All: 4.274+/-6.896 χ^2/NDF: 183.9/118

\- sign -17.853+/-9.882 χ^2/NDF: 102.6/59

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.722+/-0.009 χ^2/NDF: 864688.9/33

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

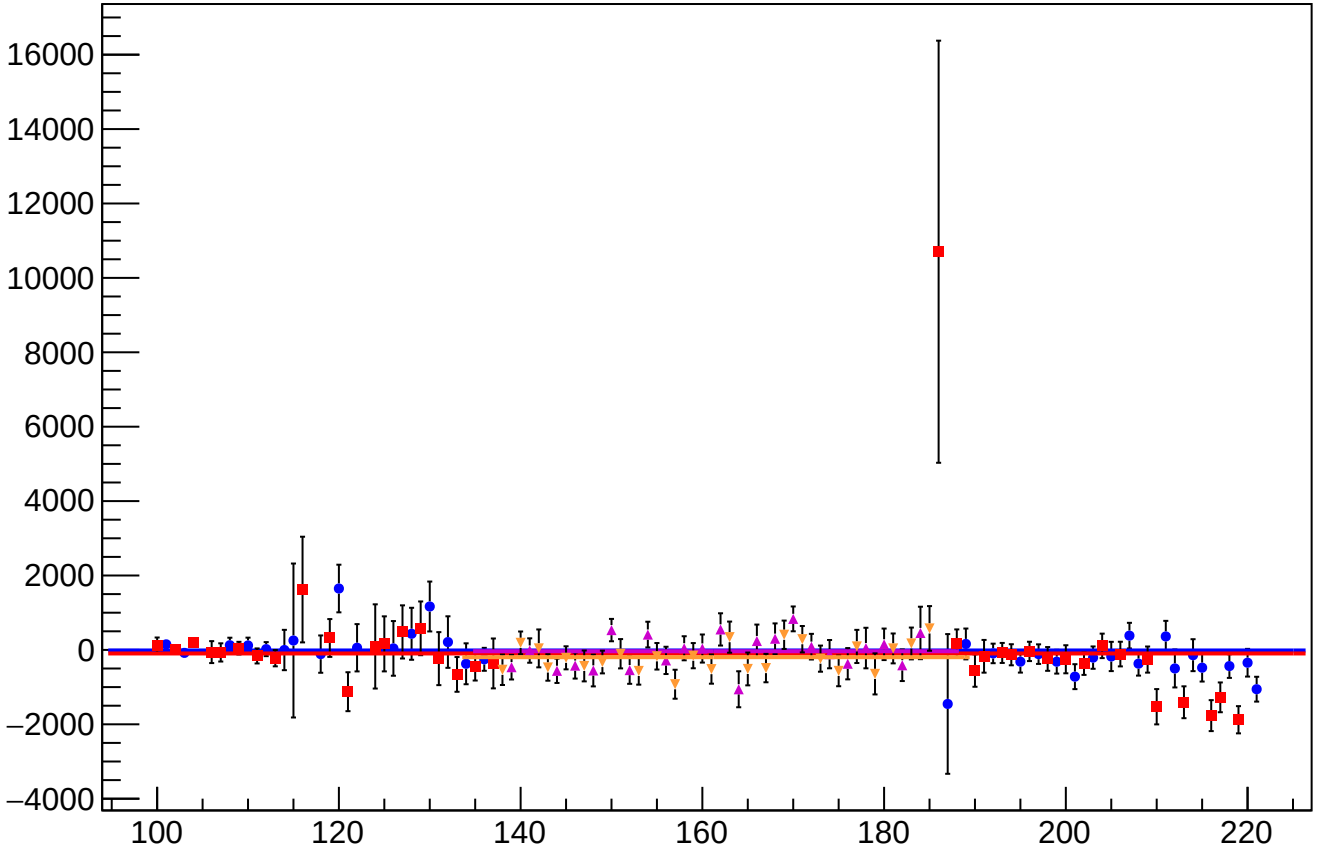
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.306+/-0.007 χ^2/NDF: 1430696.5/58

All: 61.303+/-0.005 χ^2/NDF: 3702397.8/118

\- sign 61.300+/-0.007 χ^2/NDF: 2271701.0/59

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: -15.232+/-40.416 χ^2/NDF: 44.8/33

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -95.920+/-43.084 χ^2/NDF: 98.2/36

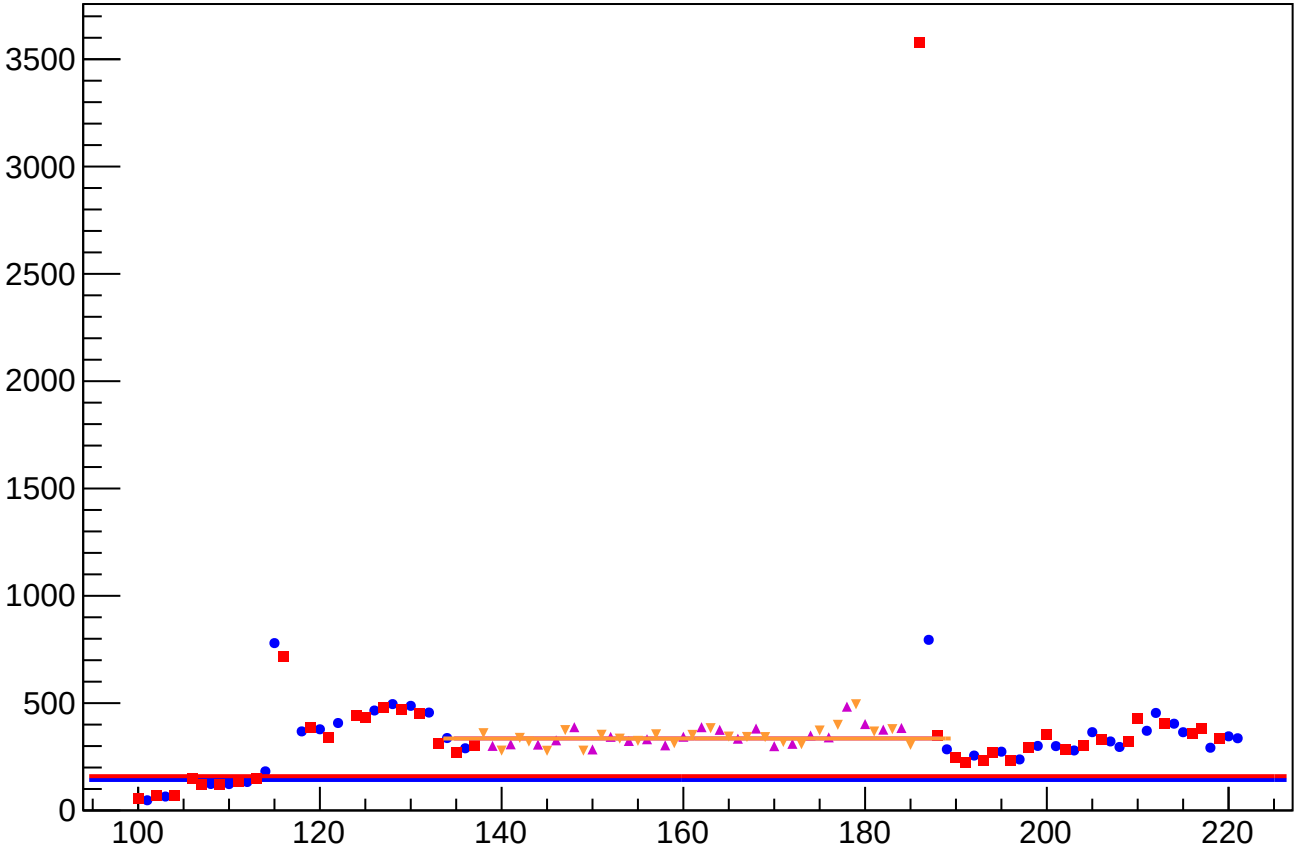
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -54.195+/-35.795 χ^2/NDF: 69.7/58

All: -67.481+/-26.006 χ^2/NDF: 199.8/118

\- sign -82.334+/-37.848 χ^2/NDF: 129.8/59

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 142.060+/-0.029 χ^2/NDF: 18331883.2/33

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

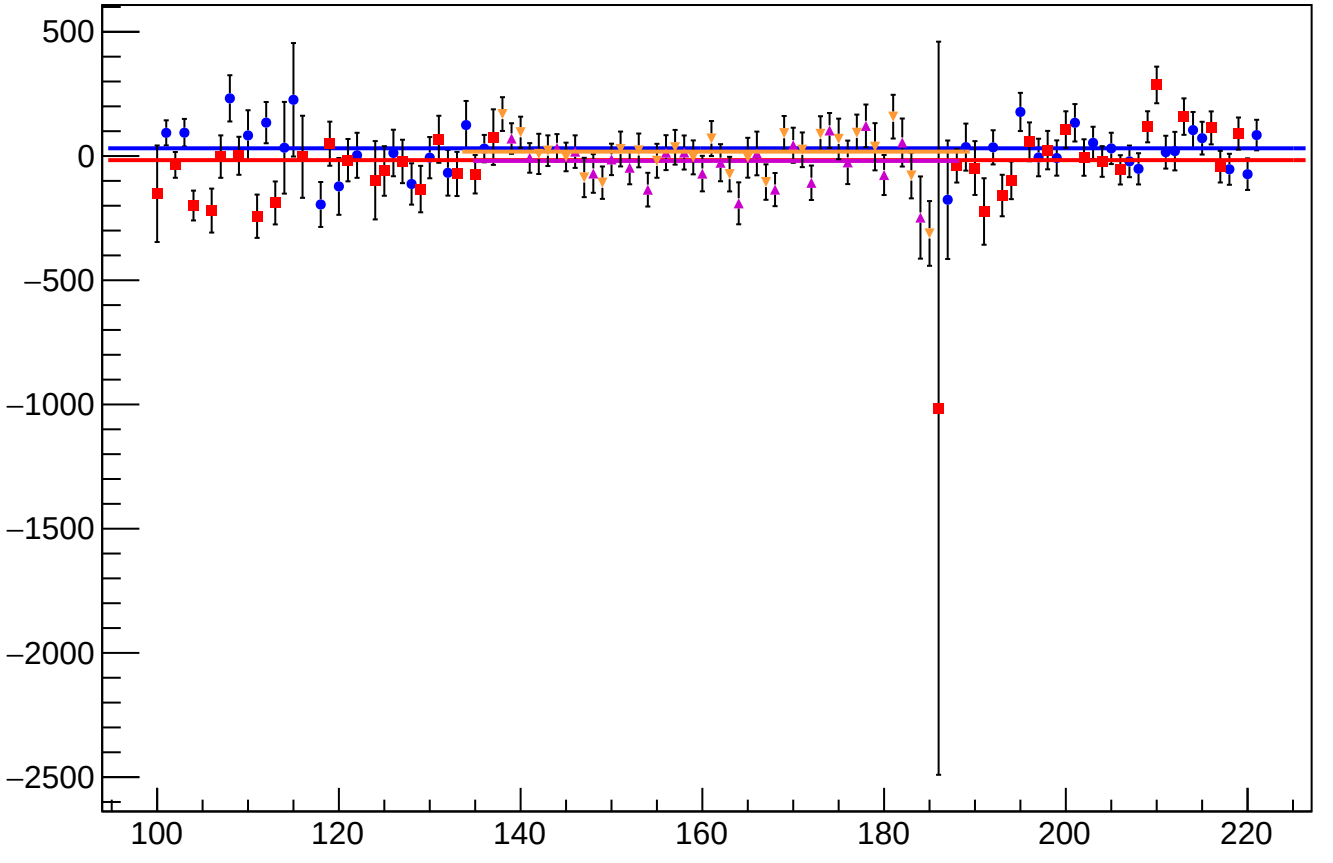
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 183.718+/-0.025 χ^2/NDF: 28750547.3/58

All: 191.329+/-0.018 χ^2/NDF: 51865652.5/11

- sign 199.838+/-0.027 χ^2/NDF: 22923600.2/59

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 31.169+/-12.877 χ^2/NDF: 39.5/33

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -16.495+/-13.109 χ^2/NDF: 76.3/36

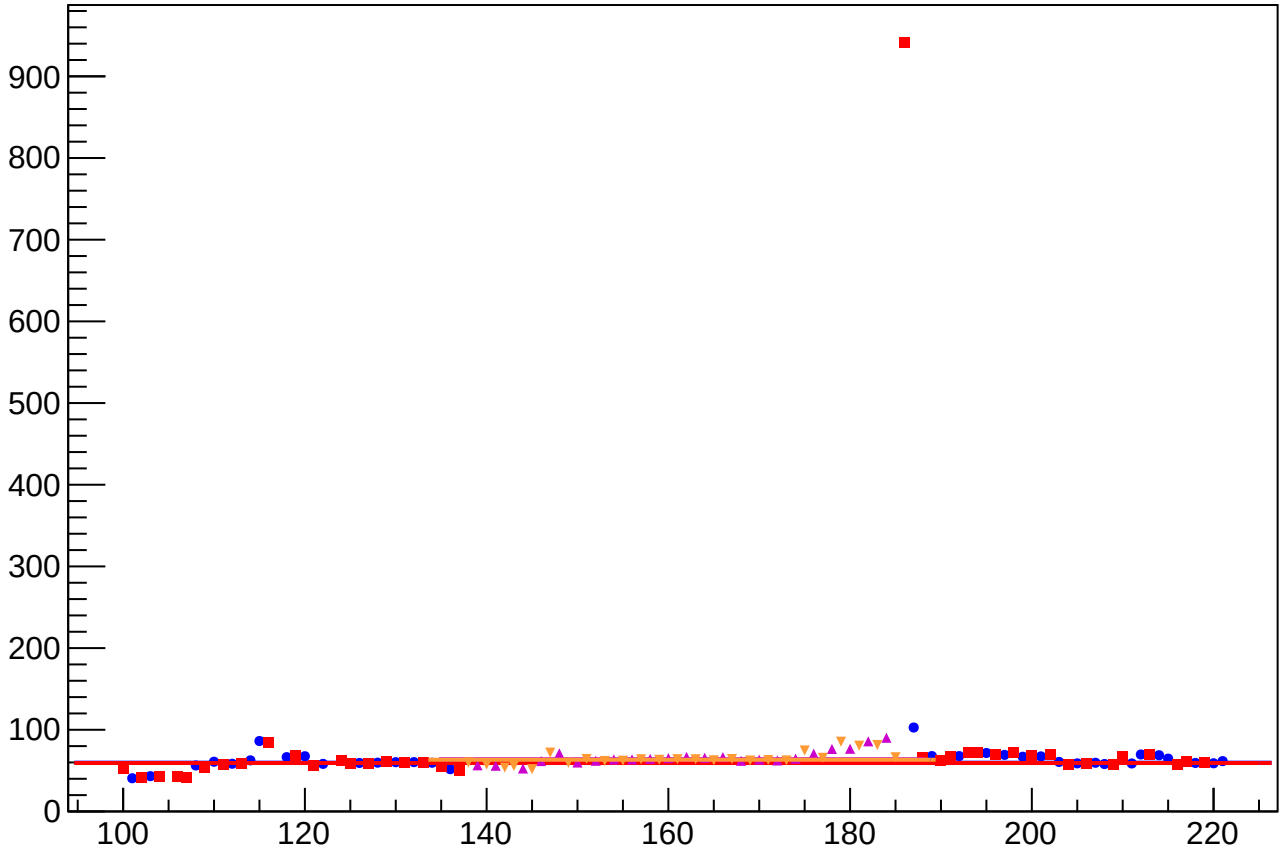
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 25.273+/-9.627 χ^2/NDF: 71.5/58

All: 4.274+/-6.896 χ^2/NDF: 183.9/118

- sign -17.853+/-9.882 χ^2/NDF: 102.6/59

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.722+/-0.009 χ^2/NDF: 864688.9/33

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

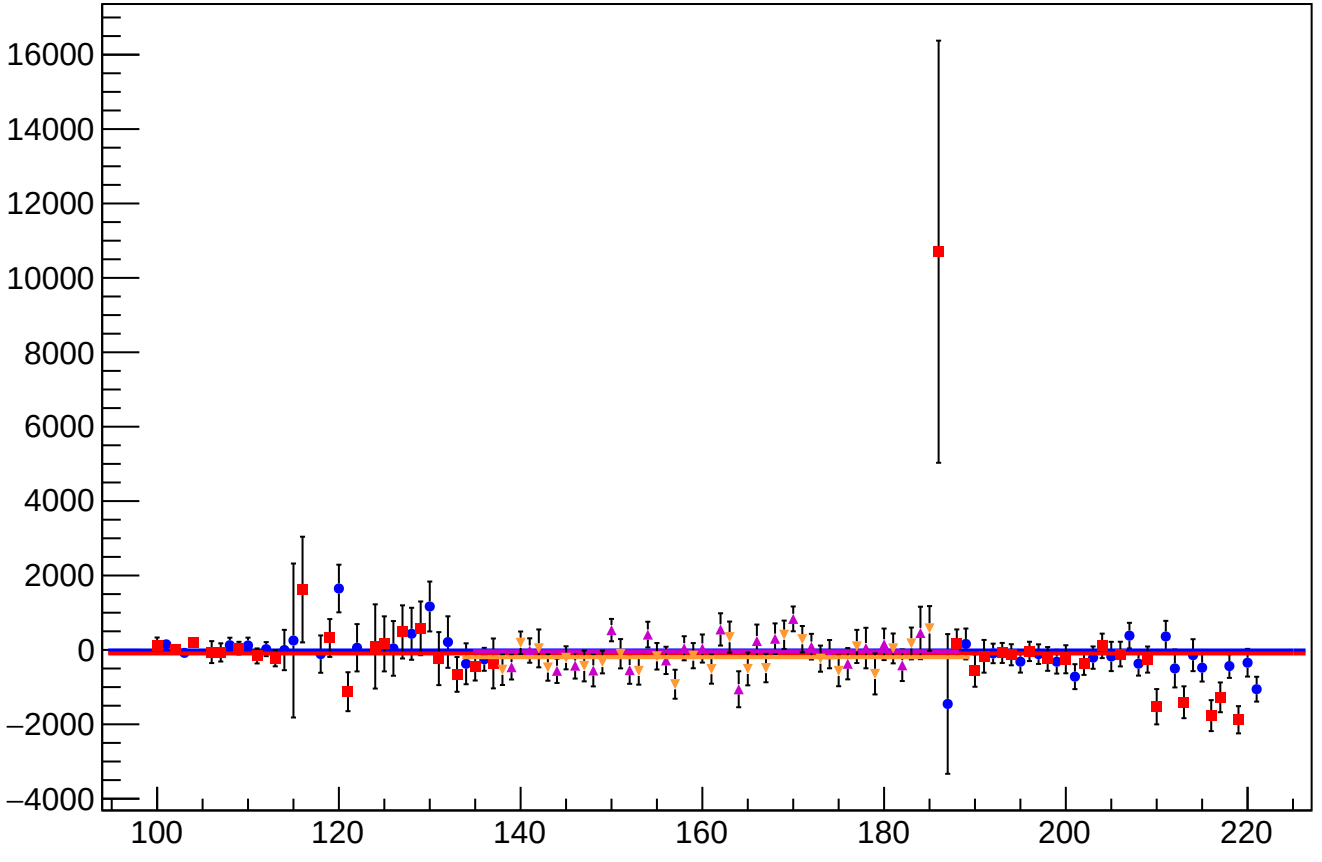
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.306+/-0.007 χ^2/NDF: 1430696.5/58

All: 61.303+/-0.005 χ^2/NDF: 3702397.8/118

- sign 61.300+/-0.007 χ^2/NDF: 2271701.0/59

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: -15.232+/-40.416 χ^2/NDF: 44.8/33

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

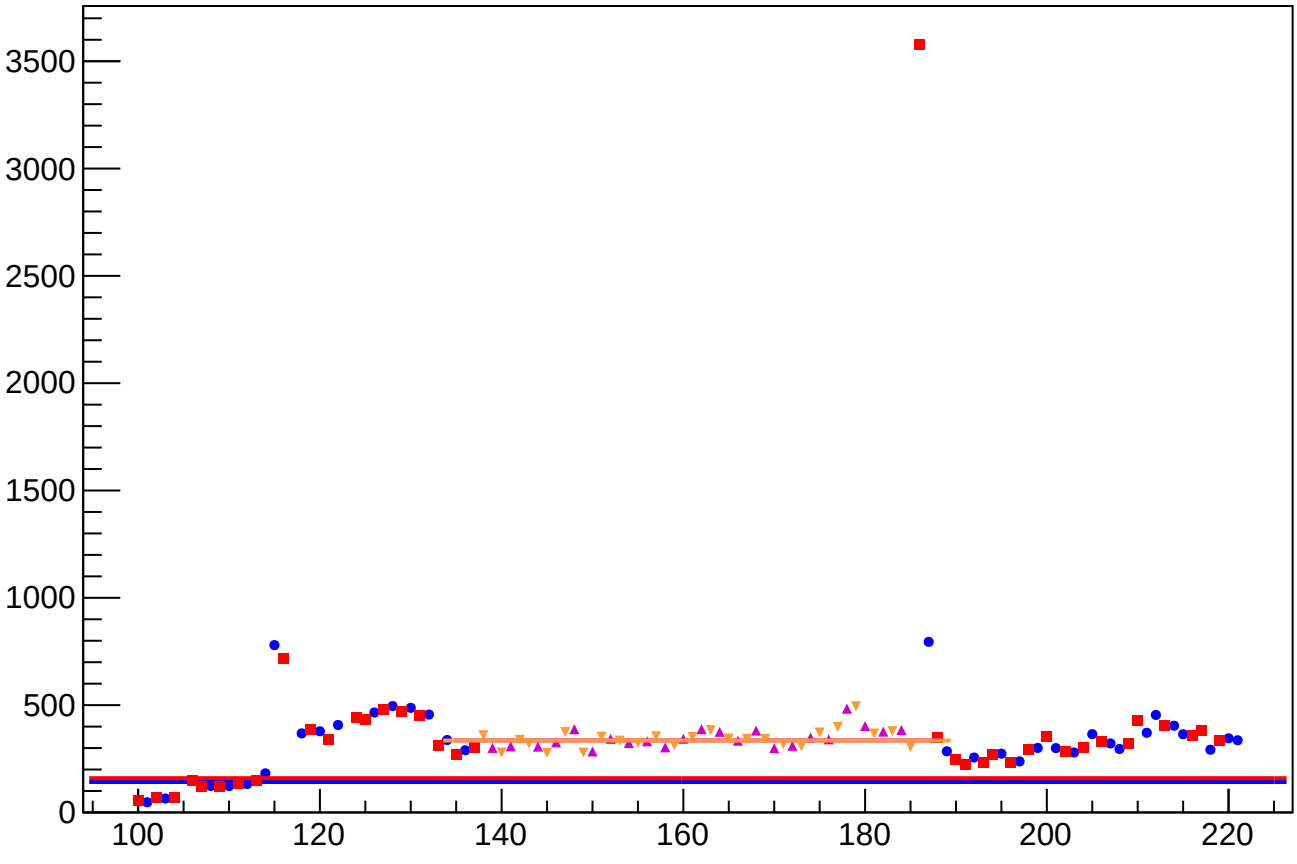
Right Out: -95.920+/-43.084 χ^2/NDF: 98.2/36

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -54.195+/-35.795 χ^2/NDF: 69.7/58

All: -67.481+/-26.006 χ^2/NDF: 199.8/118

\- sign -82.334+/-37.848 χ^2/NDF: 129.8/59



Right In: 142.060+/-0.029 χ^2/NDF: 18331883.2/33

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

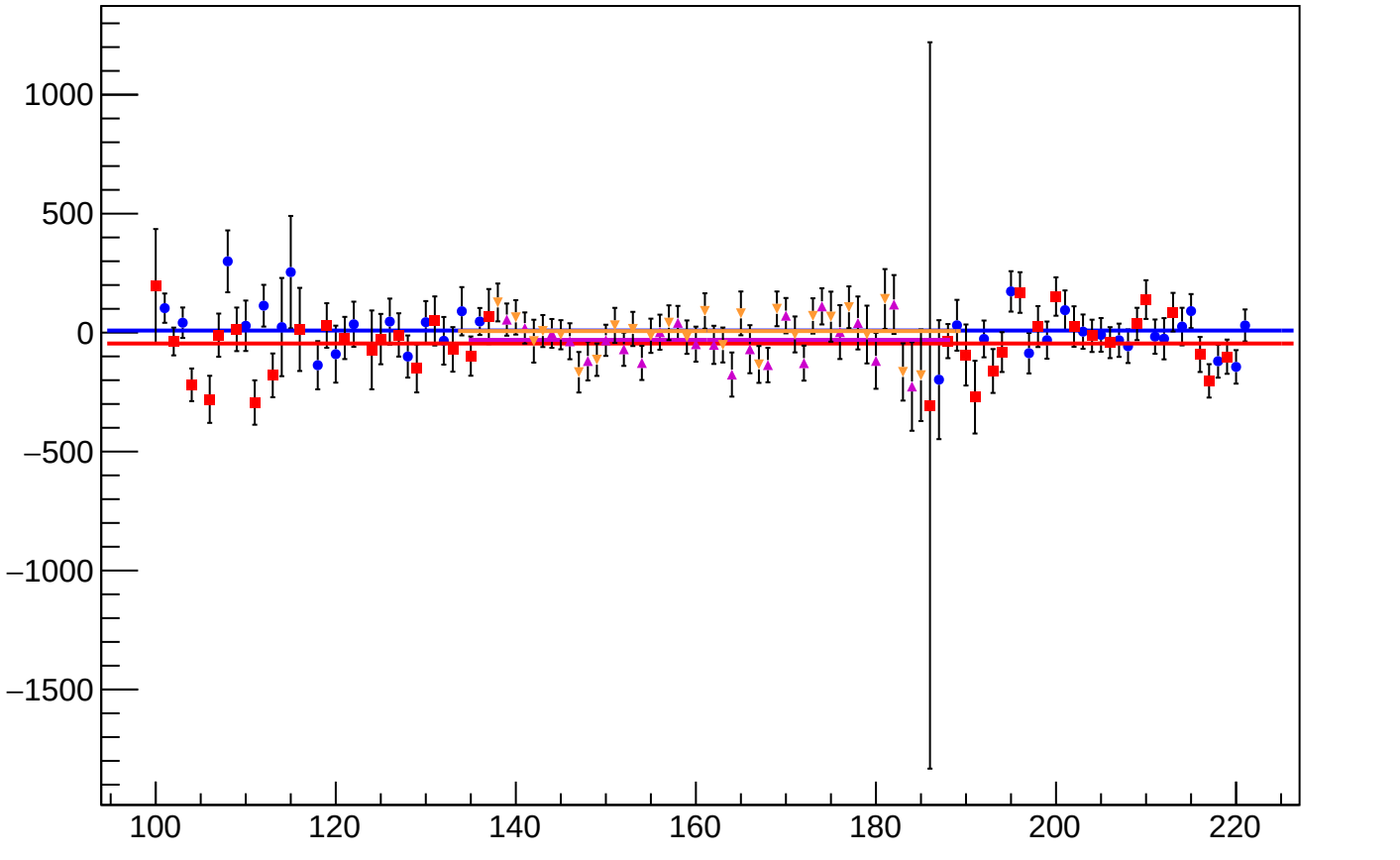
Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 183.718+/-0.025 χ^2/NDF: 28750547.3/58

All: 191.329+/-0.018 χ^2/NDF: 51865652.5/11

- sign 199.838+/-0.027 χ^2/NDF: 22923600.2/59



Right In: 8.689+/-14.227 χ^2/NDF: 34.6/33

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -45.785+/-14.398 χ^2/NDF: 60.5/36

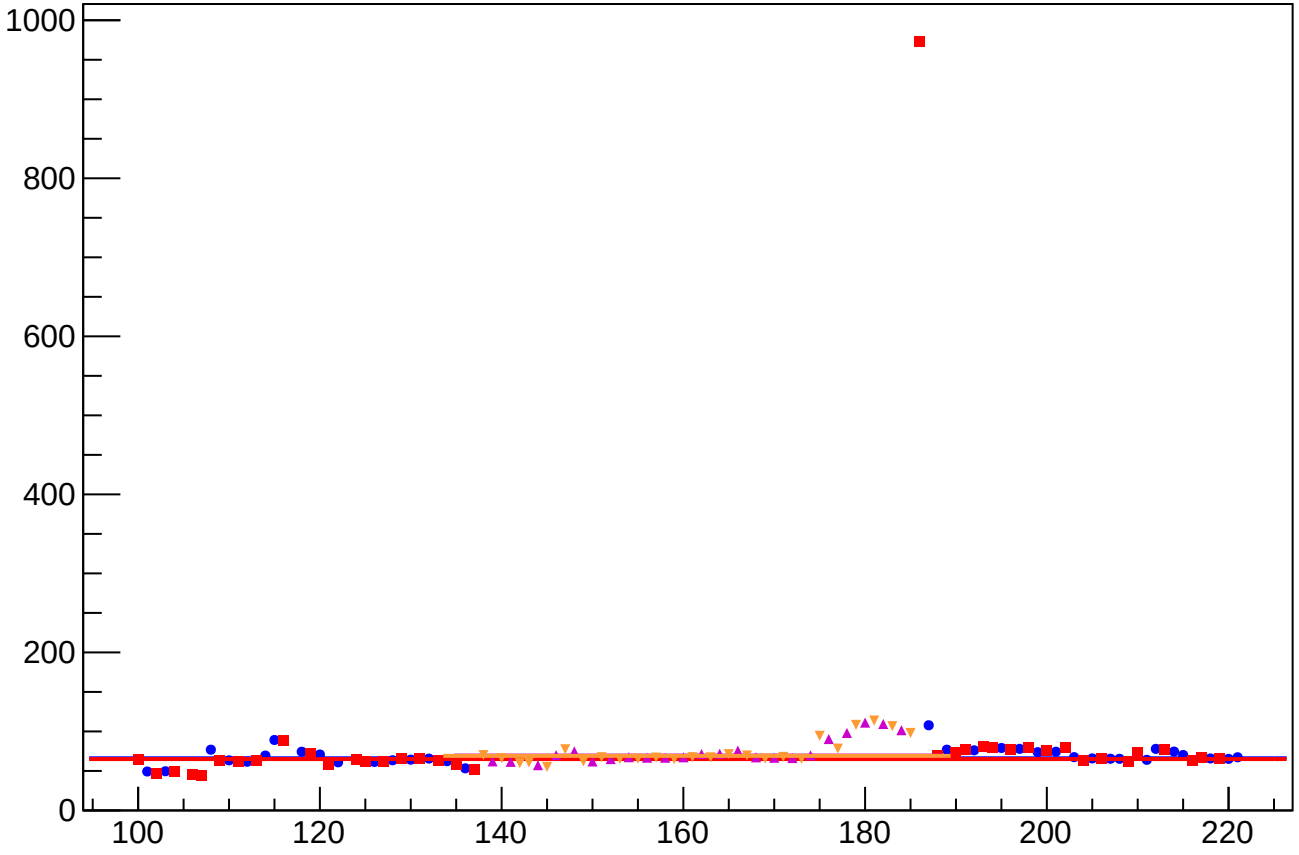
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 7.707+/-10.625 χ^2/NDF: 59.6/58

All: -15.281+/-7.591 χ^2/NDF: 152.6/118

- sign -39.249+/-10.849 χ^2/NDF: 83.4/59

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.995+/-0.010 χ^2/NDF: 758641.8/33

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712576.2/36

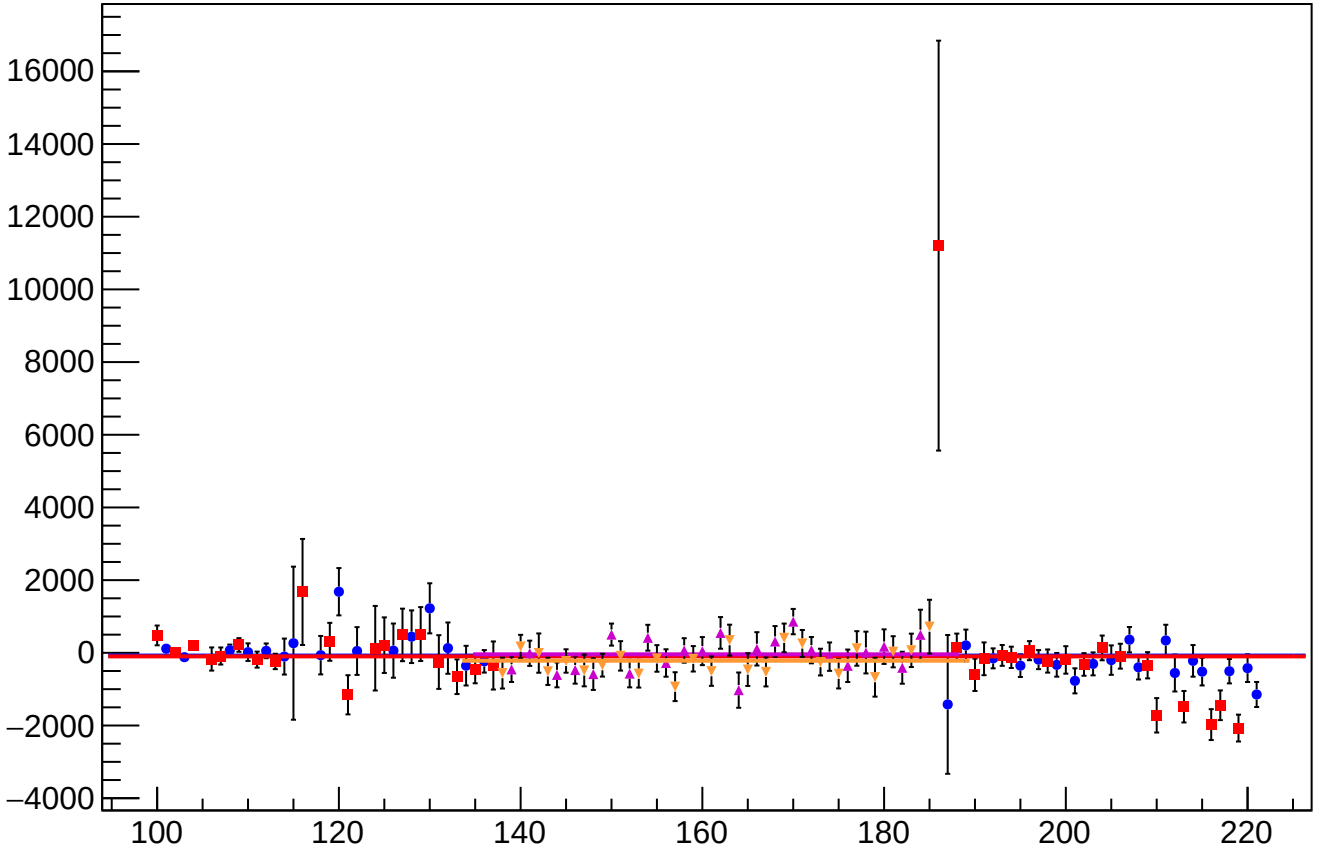
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.359+/-0.008 χ^2/NDF: 1874183.2/58

All: 67.155+/-0.005 χ^2/NDF: 4593271.5/118

- sign 66.943+/-0.008 χ^2/NDF: 2717587.8/59

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -75.744+/-45.238 χ^2/NDF: 43.0/33

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -98.234+/-45.203 χ^2/NDF: 117.3/36

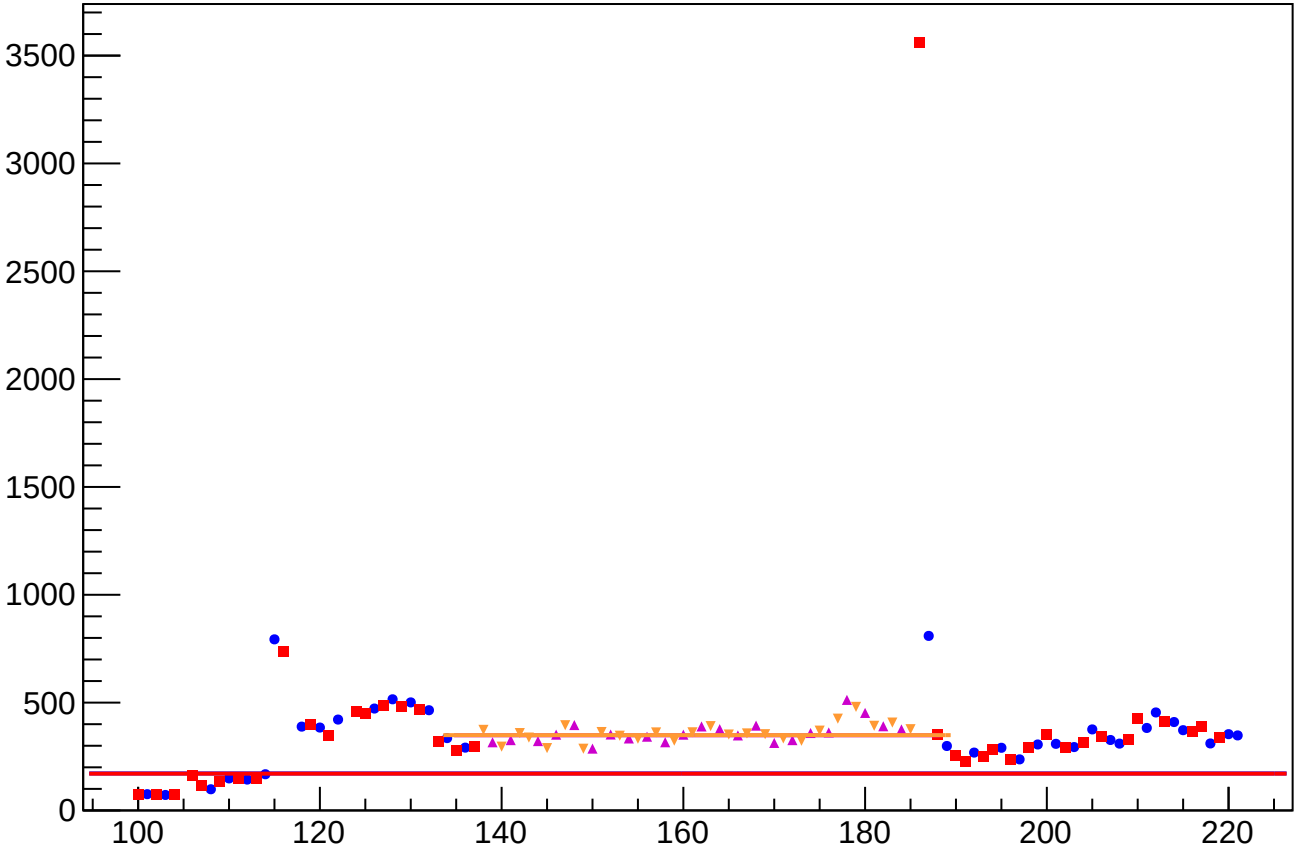
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -109.967+/-39.394 χ^2/NDF: 64.7/58

All: -97.592+/-27.934 χ^2/NDF: 212.5/118

- sign -85.077+/-39.615 χ^2/NDF: 147.6/59

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 171.640+/-0.032 χ^2/NDF: 14852471.8/33

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 170.638+/-0.032 χ^2/NDF: 13987283.1/36

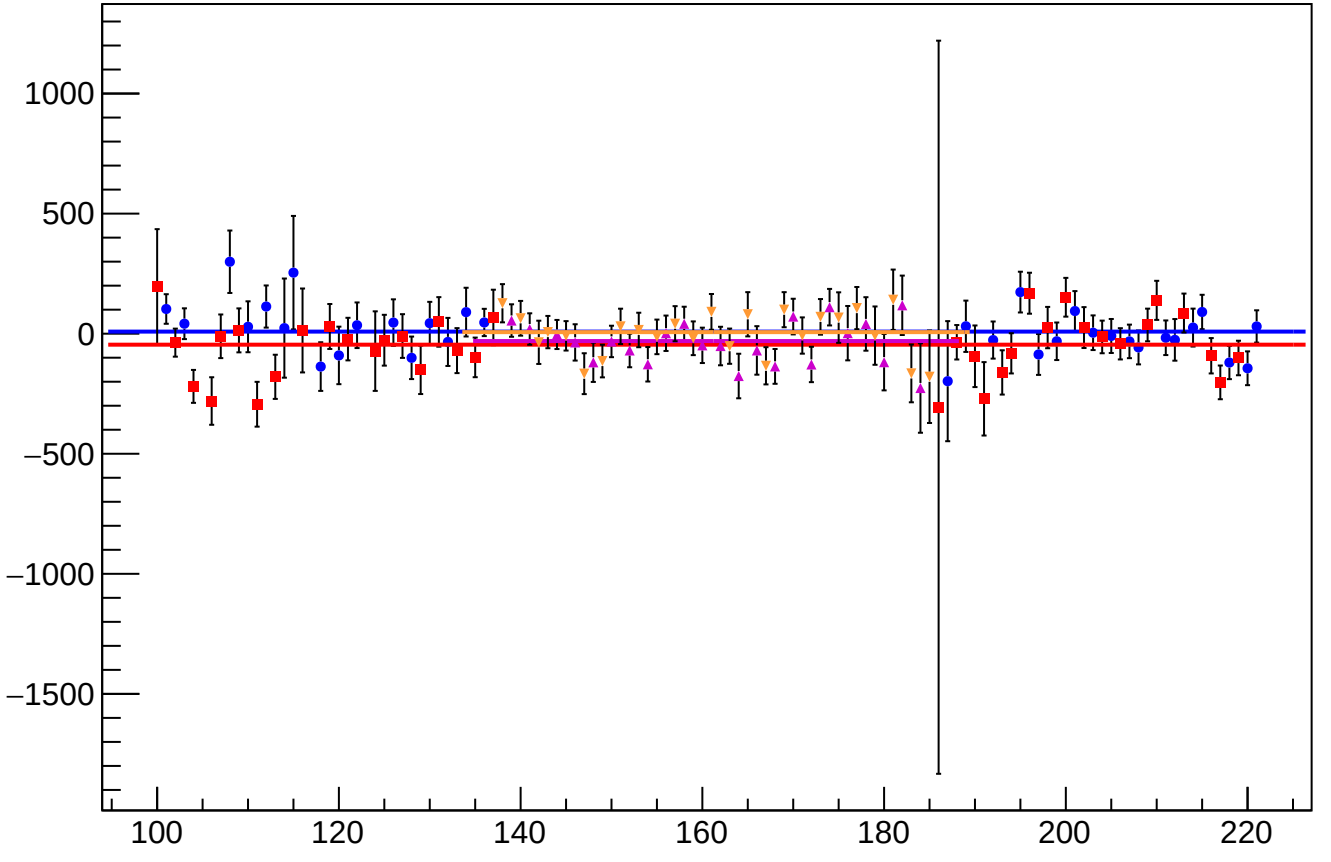
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 214.548+/-0.028 χ^2/NDF: 22820967.8/58

All: 213.234+/-0.020 χ^2/NDF: 44525421.4/11

- sign 211.906+/-0.028 χ^2/NDF: 21699982.0/59

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 8.689+/-14.227 χ^2/NDF: 34.6/33

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -45.784+/-14.398 χ^2/NDF: 60.5/36

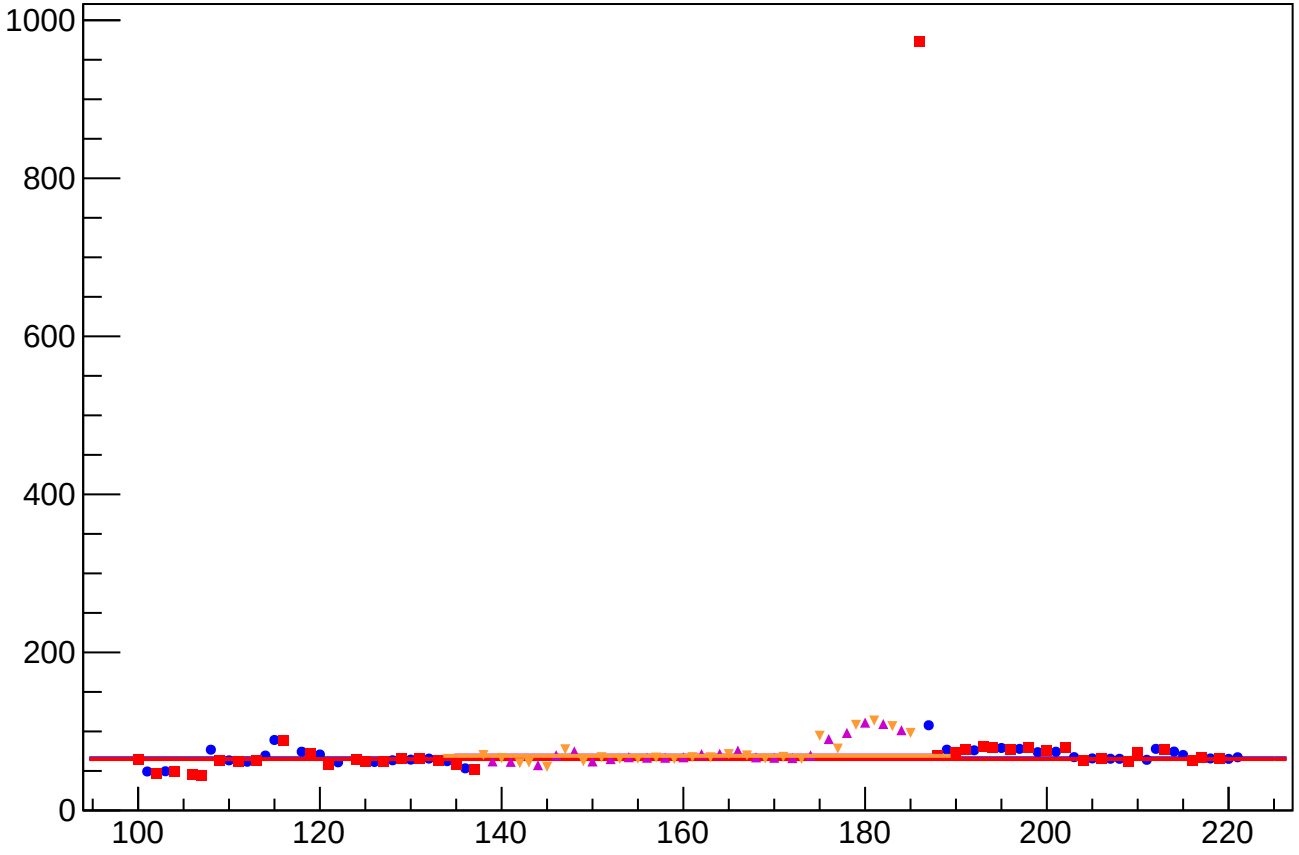
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 7.707+/-10.625 χ^2/NDF: 59.6/58

All: -15.281+/-7.591 χ^2/NDF: 152.6/118

- sign -39.248+/-10.849 χ^2/NDF: 83.4/59

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.995+/-0.010 χ^2/NDF: 758639.9/33

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

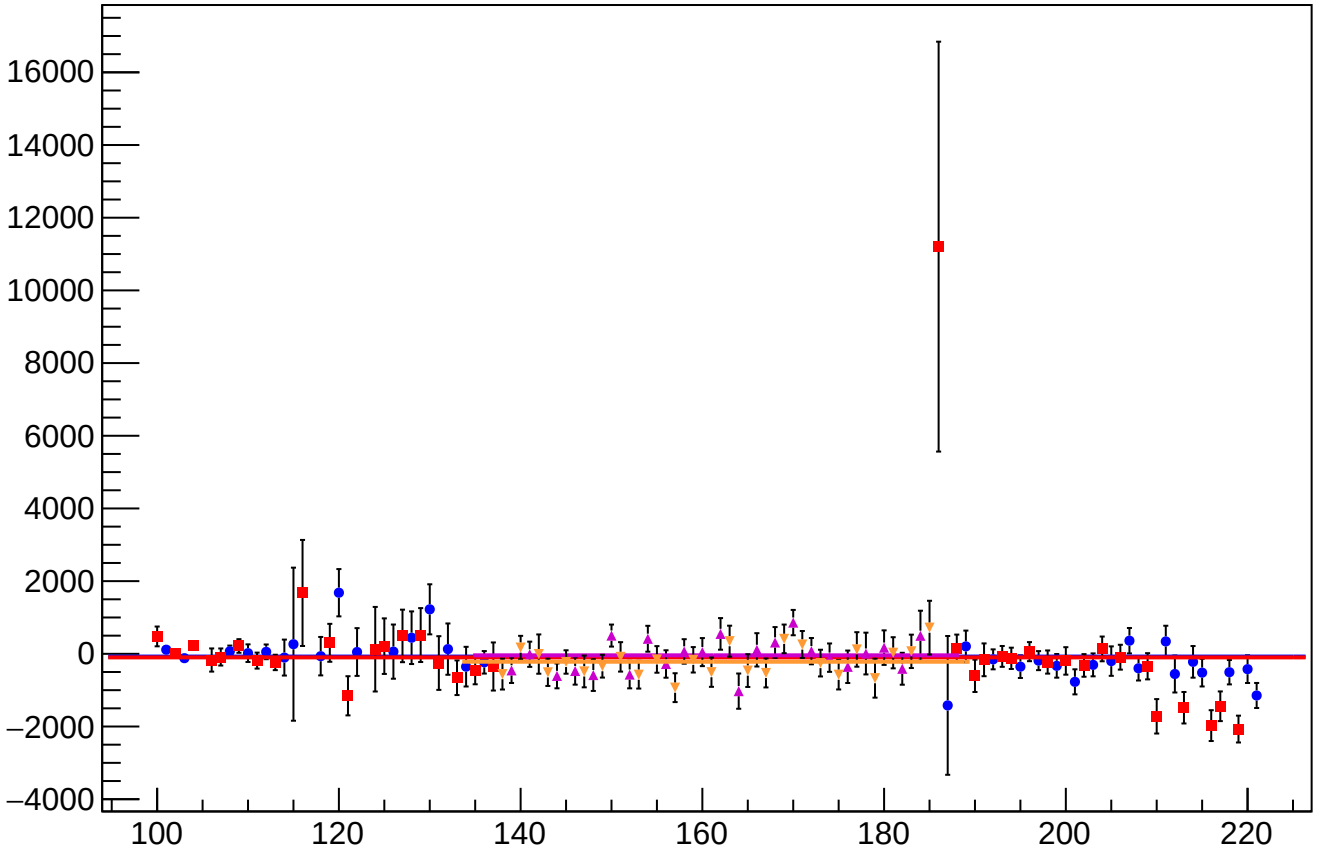
Right Out: 65.045+/-0.010 χ^2/NDF: 1712574.7/36

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.359+/-0.008 χ^2/NDF: 1874168.2/58

All: 67.155+/-0.005 χ^2/NDF: 4593248.0/118

- sign 66.943+/-0.008 χ^2/NDF: 2717579.4/59



Right In: -75.743+/-45.238 χ^2/NDF: 43.0/33

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -98.233+/-45.203 χ^2/NDF: 117.3/36

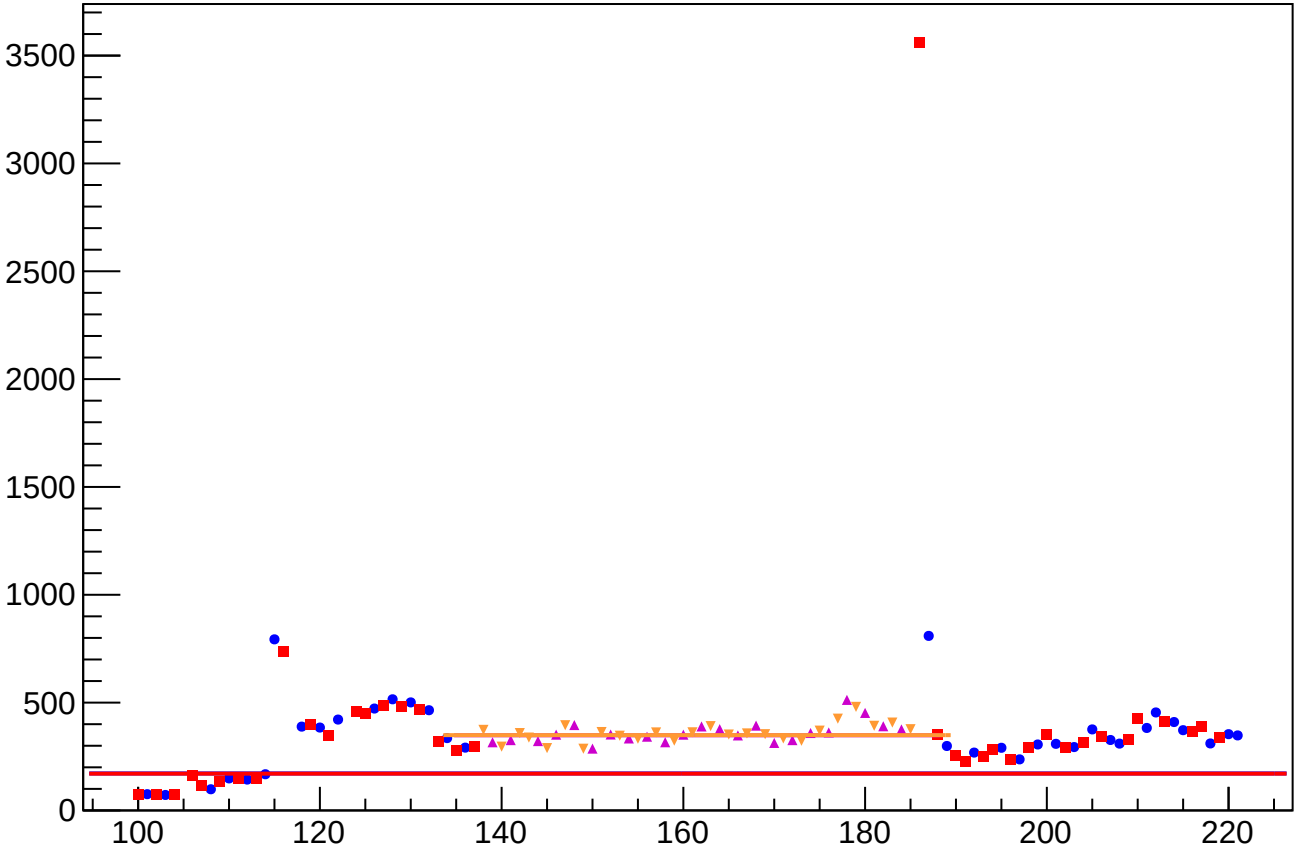
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -109.966+/-39.394 χ^2/NDF: 64.7/58

All: -97.591+/-27.934 χ^2/NDF: 212.5/118

- sign -85.077+/-39.615 χ^2/NDF: 147.6/59

asym_sam_15_avg_eigen_dit_correction_rms vs Slug



Right In: 171.640+/-0.032 χ^2/NDF: 14852486.0/33

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 170.637+/-0.032 χ^2/NDF: 13987325.6/36

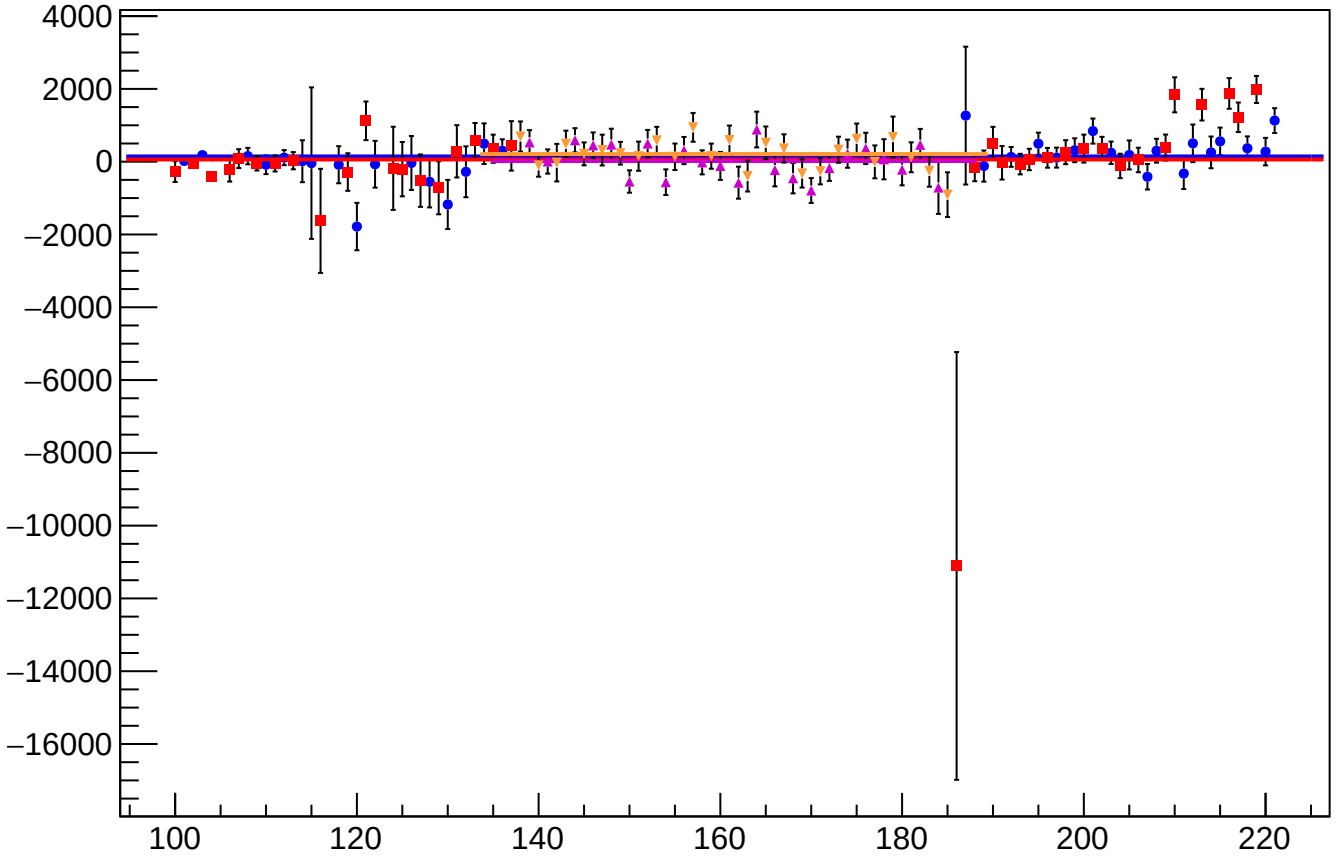
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 214.547+/-0.028 χ^2/NDF: 22821035.1/58

All: 213.234+/-0.020 χ^2/NDF: 44525598.2/11

- sign 211.905+/-0.028 χ^2/NDF: 21700091.0/59

asym_sam_15_avg_mean vs Slug



Right In: 143.465+/-48.362 χ^2/NDF: 38.7/33

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 60.918+/-48.068 χ^2/NDF: 118.3/36

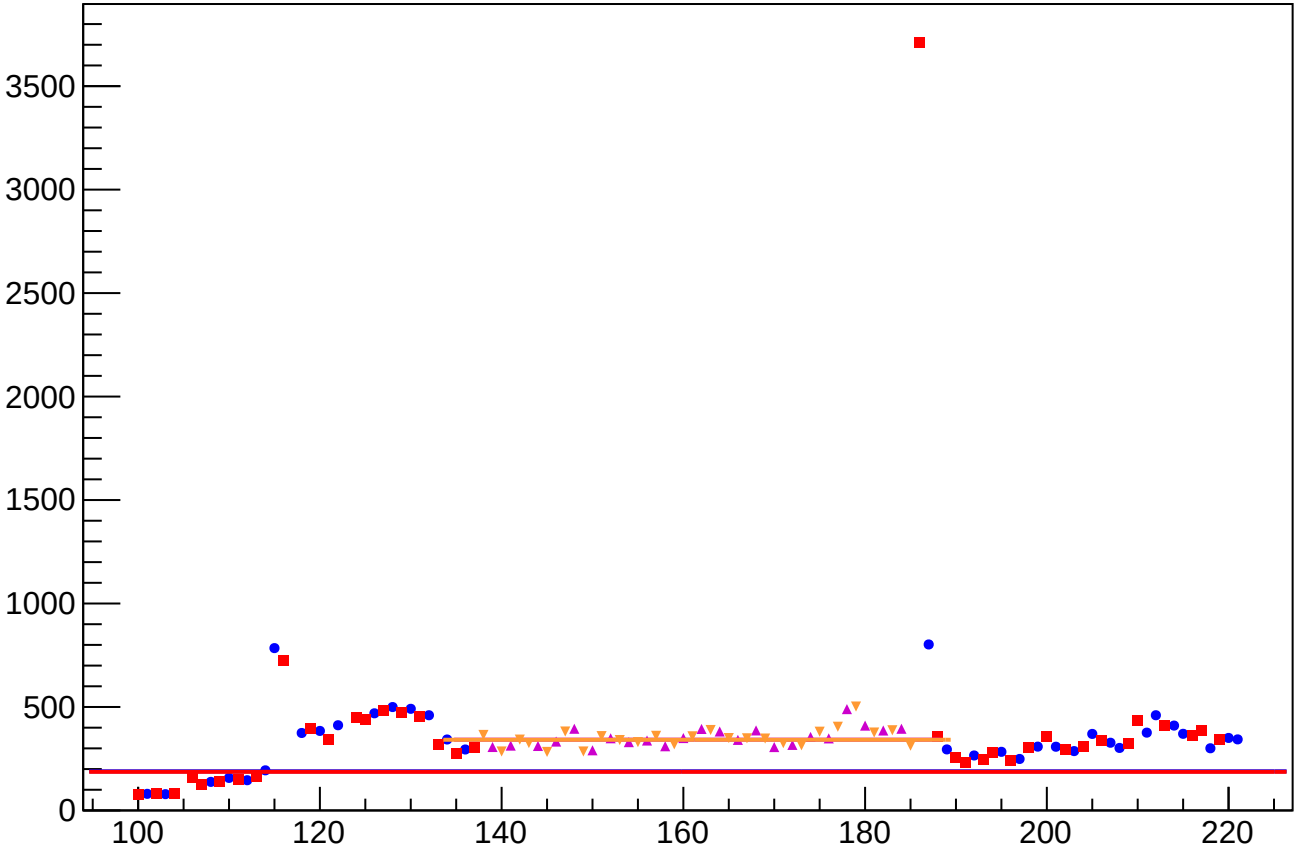
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 161.717+/-41.177 χ^2/NDF: 60.7/58

All: 105.957+/-29.159 χ^2/NDF: 214.9/118

- sign 49.872+/-41.297 χ^2/NDF: 150.5/59

asym_sam_15_avg_rms vs Slug



Right In: 189.249+/-0.034 χ^2/NDF: 12845917.8/33

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

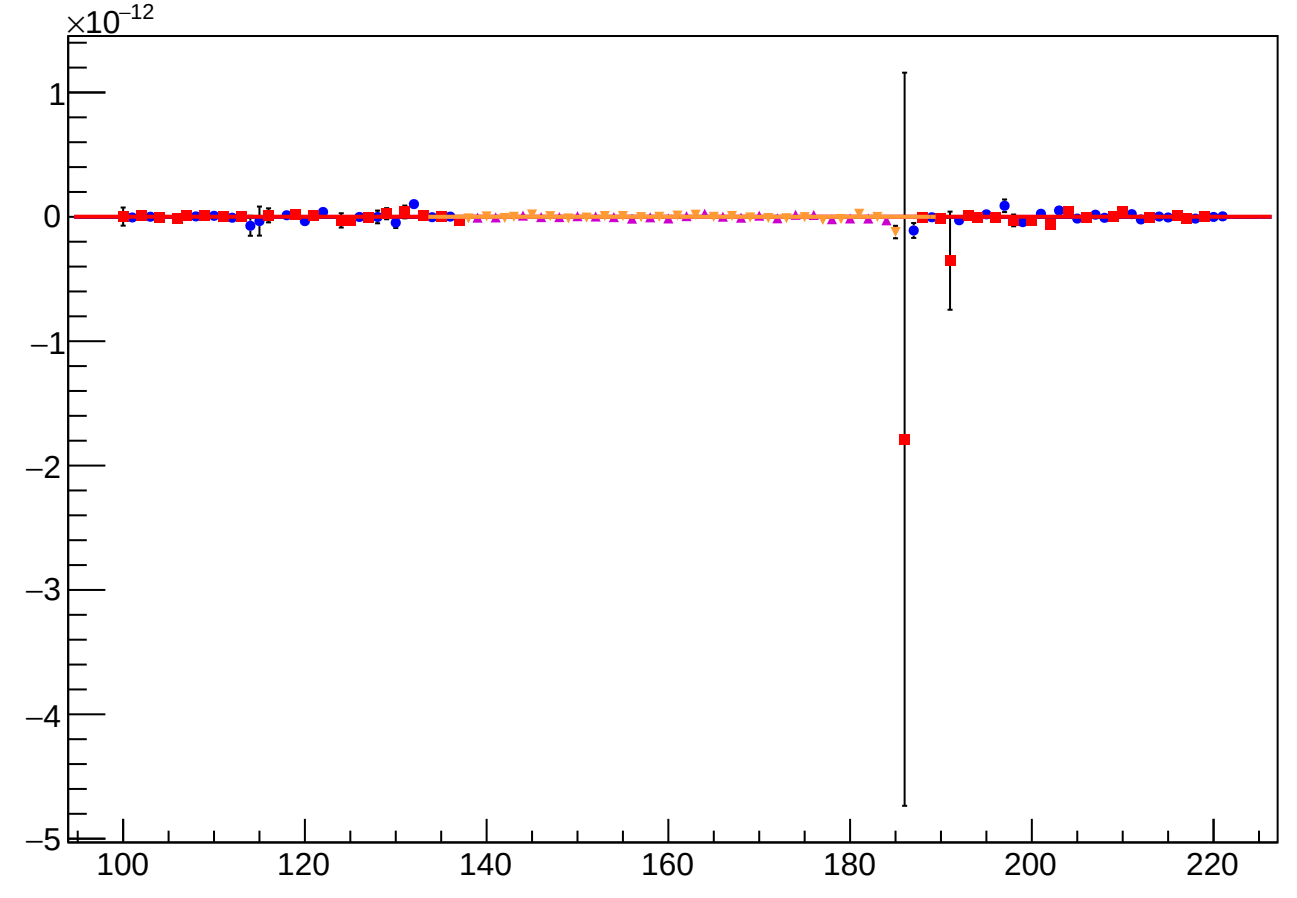
Right Out: 186.674+/-0.034 χ^2/NDF: 12239118.8/36

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 231.152+/-0.029 χ^2/NDF: 18858578.8/58

All: 229.250+/-0.021 χ^2/NDF: 37056696.8/11

- sign 227.336+/-0.029 χ^2/NDF: 18189555.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

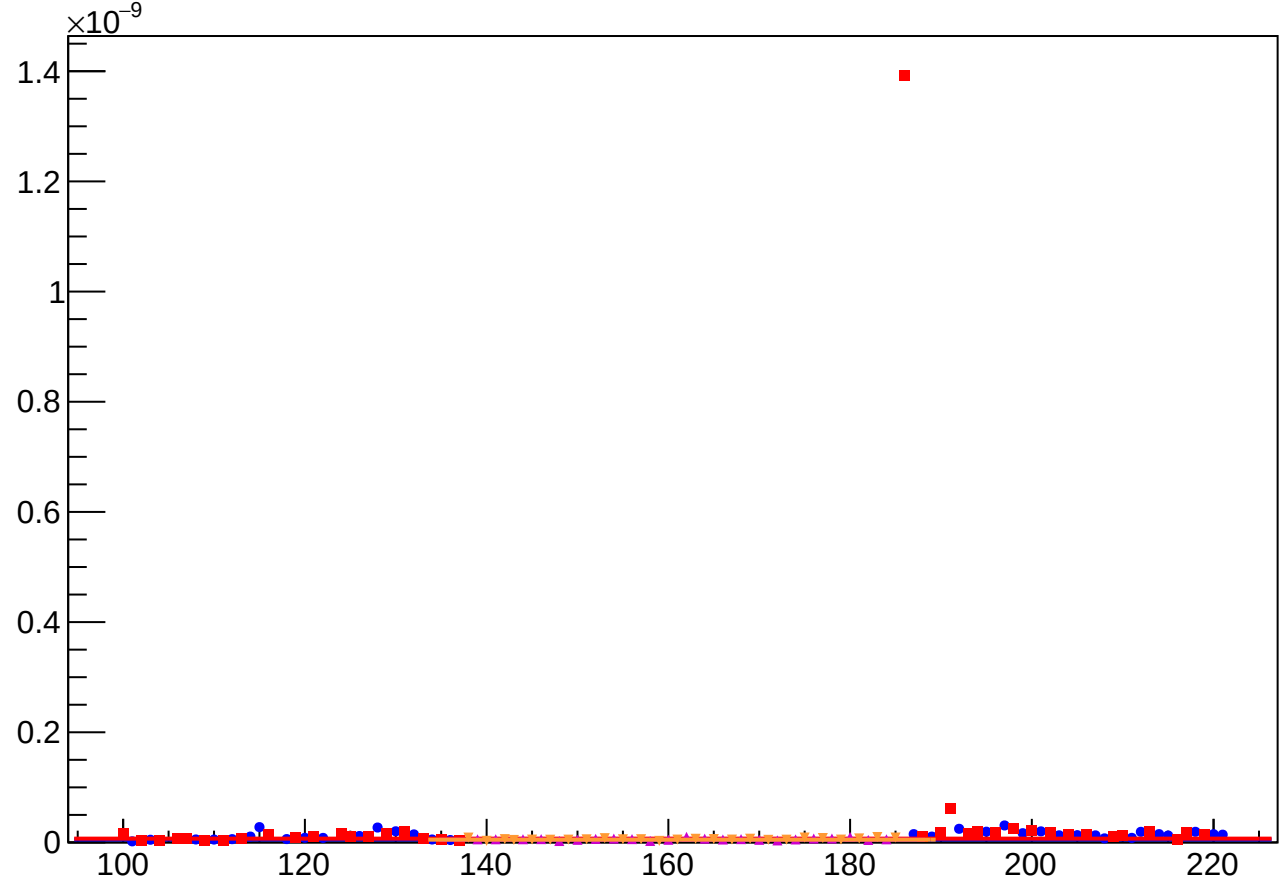
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/36

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 67.1/58

All: -0.000+/-0.000 χ^2/NDF: 113.1/118

\- sign -0.000+/-0.000 χ^2/NDF: 46.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 8557385.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6203560.2/36

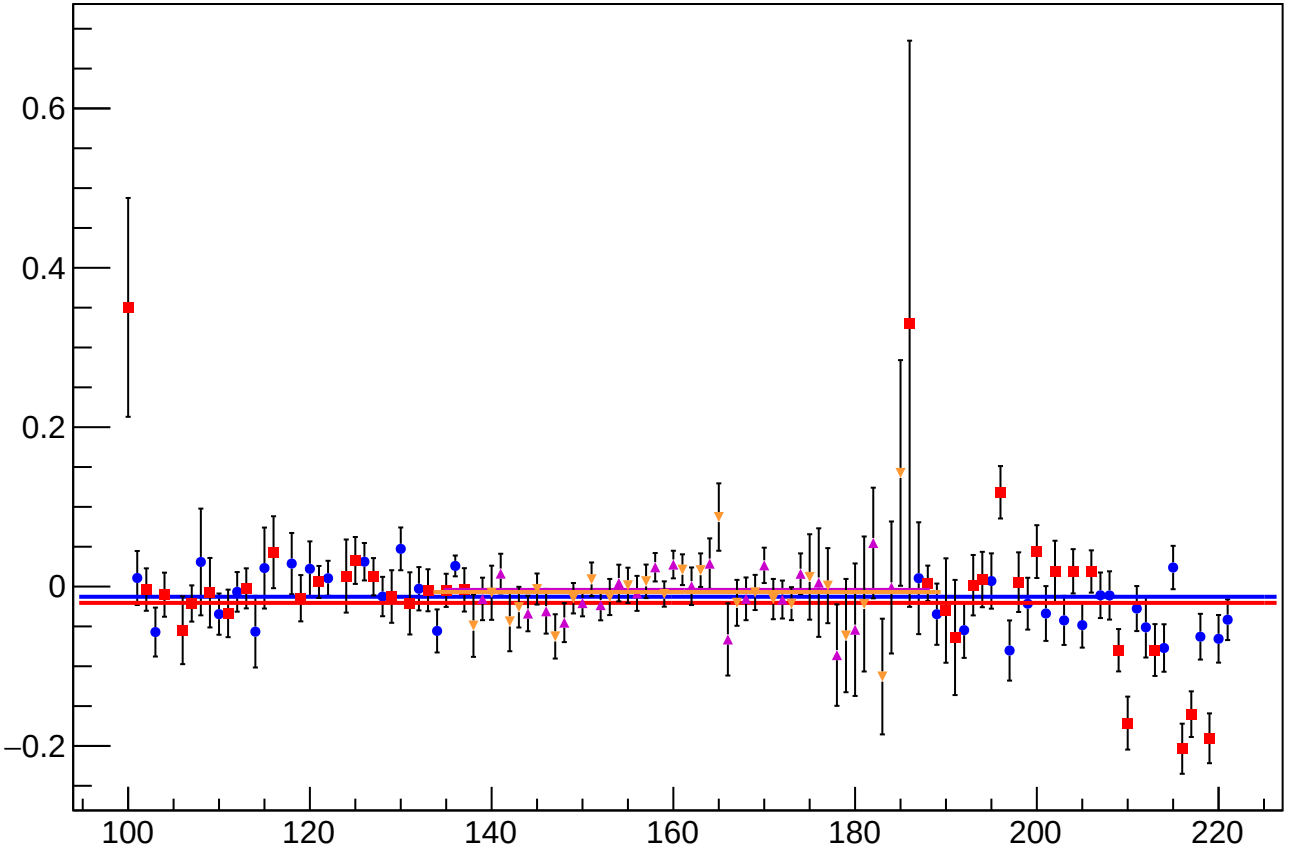
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9879618.8/58

All: 0.000+/-0.000 χ^2/NDF: 18025994.7/118

- sign 0.000+/-0.000 χ^2/NDF: 8054647.4/59

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.005 χ^2/NDF: 52.1/33

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.020+/-0.005 χ^2/NDF: 167.1/36

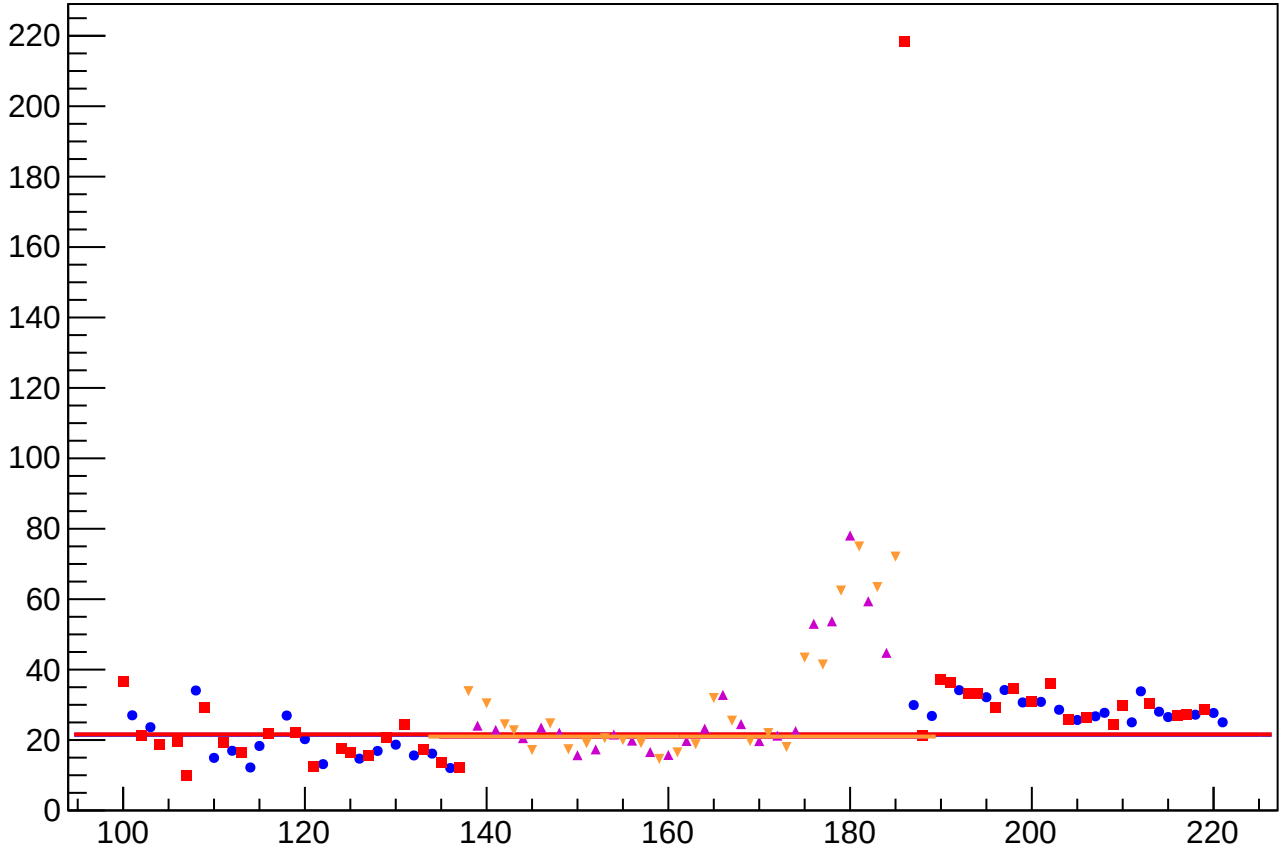
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.010+/-0.004 χ^2/NDF: 74.6/58

All: -0.011+/-0.003 χ^2/NDF: 270.1/118

- sign -0.013+/-0.004 χ^2/NDF: 195.3/59

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.499+/-0.003 χ^2/NDF: 4206850.1/33

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

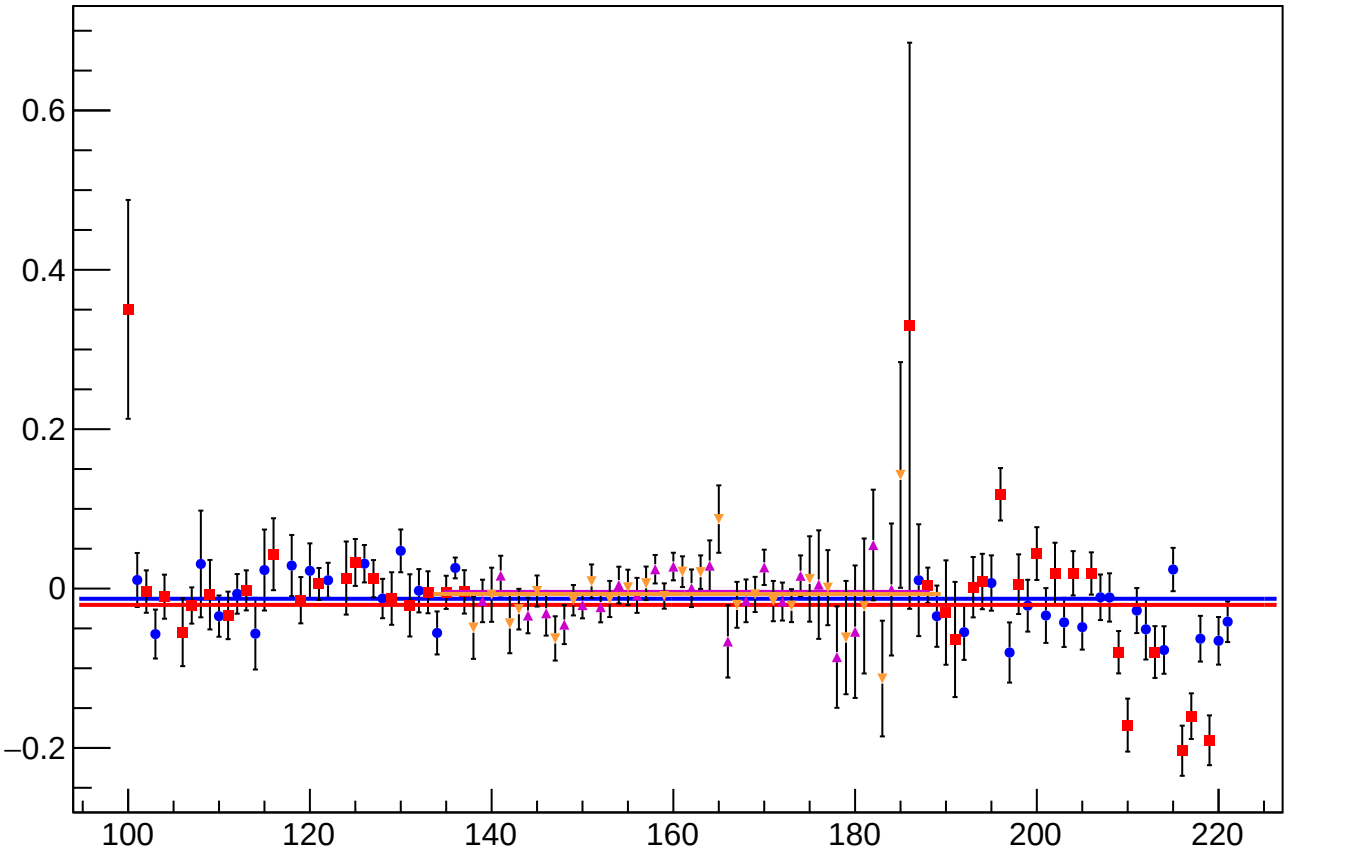
Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 21.254+/-0.003 χ^2/NDF: 8684291.5/58

All: 21.256+/-0.002 χ^2/NDF: 16814402.5/118

- sign 21.258+/-0.003 χ^2/NDF: 8130109.4/59



Right In: -0.013+/-0.005 χ^2/NDF: 52.1/33

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.020+/-0.005 χ^2/NDF: 167.1/36

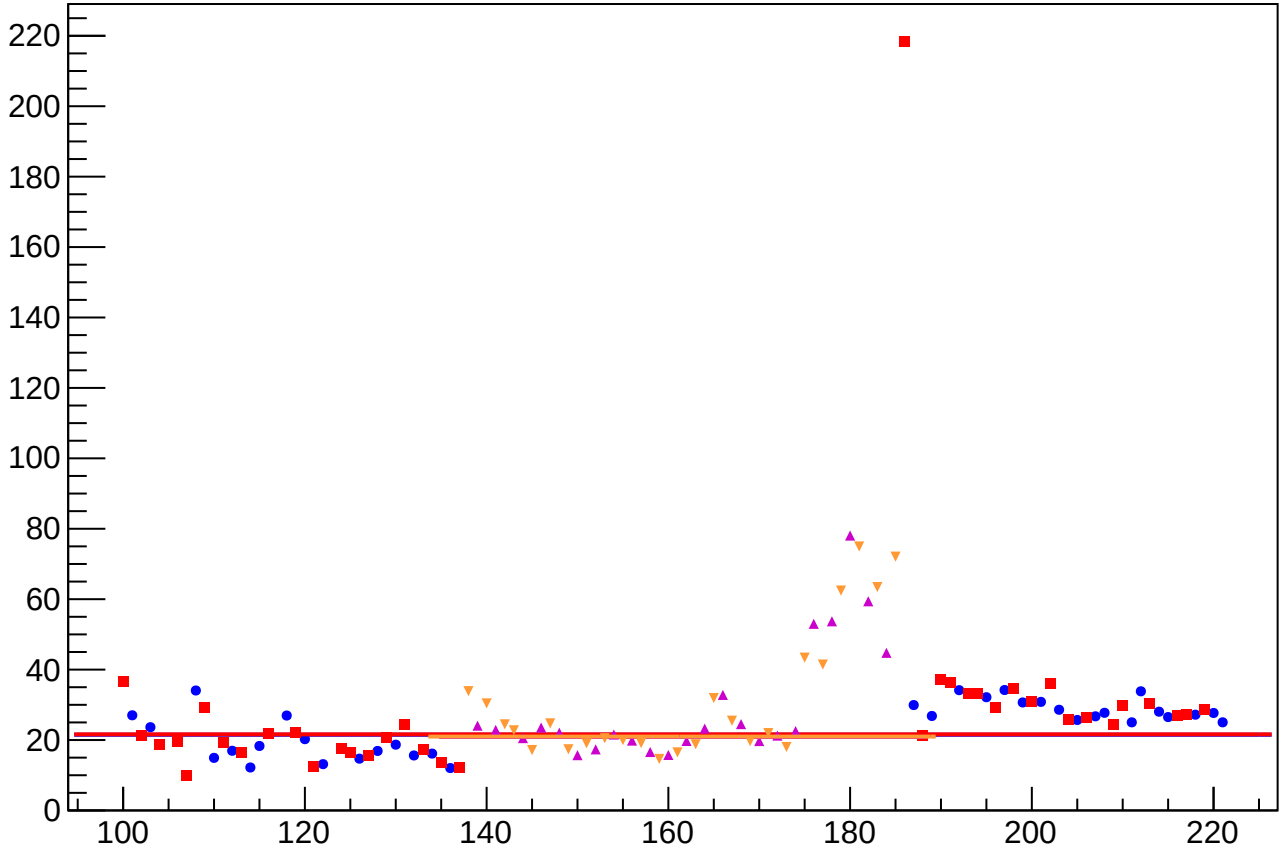
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.010+/-0.004 χ^2/NDF: 74.6/58

All: -0.011+/-0.003 χ^2/NDF: 270.1/118

- sign -0.013+/-0.004 χ^2/NDF: 195.3/59

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.499+/-0.003 χ^2/NDF: 4206850.1/33

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

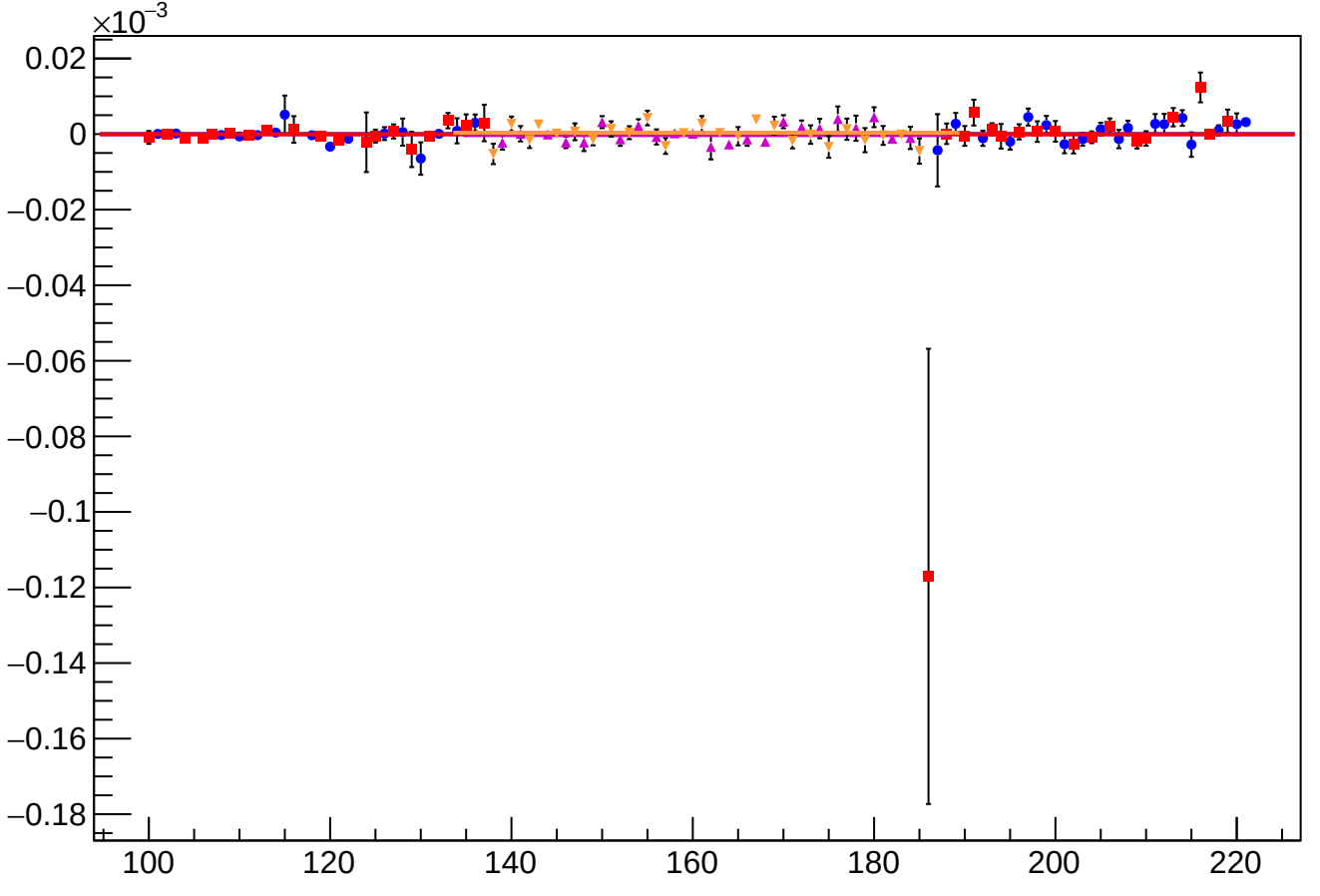
Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 21.254+/-0.003 χ^2/NDF: 8684291.5/58

All: 21.256+/-0.002 χ^2/NDF: 16814402.5/118

\- sign 21.258+/-0.003 χ^2/NDF: 8130109.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

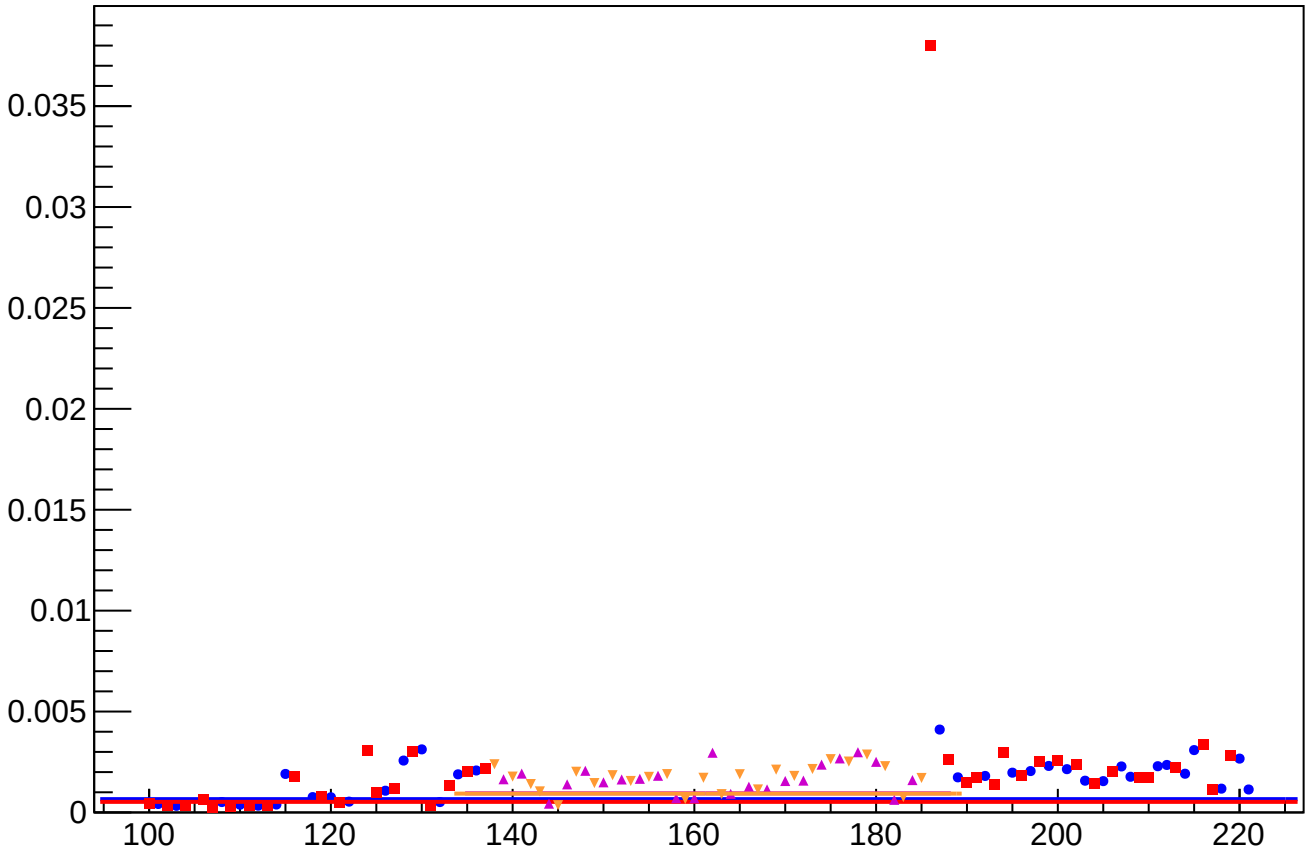
Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.8/58

All: -0.000+/-0.000 χ^2/NDF: 156.5/118

- sign -0.000+/-0.000 χ^2/NDF: 78.3/59



Right In: 0.001+/-0.000 χ^2/NDF: 17874476.5/33

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

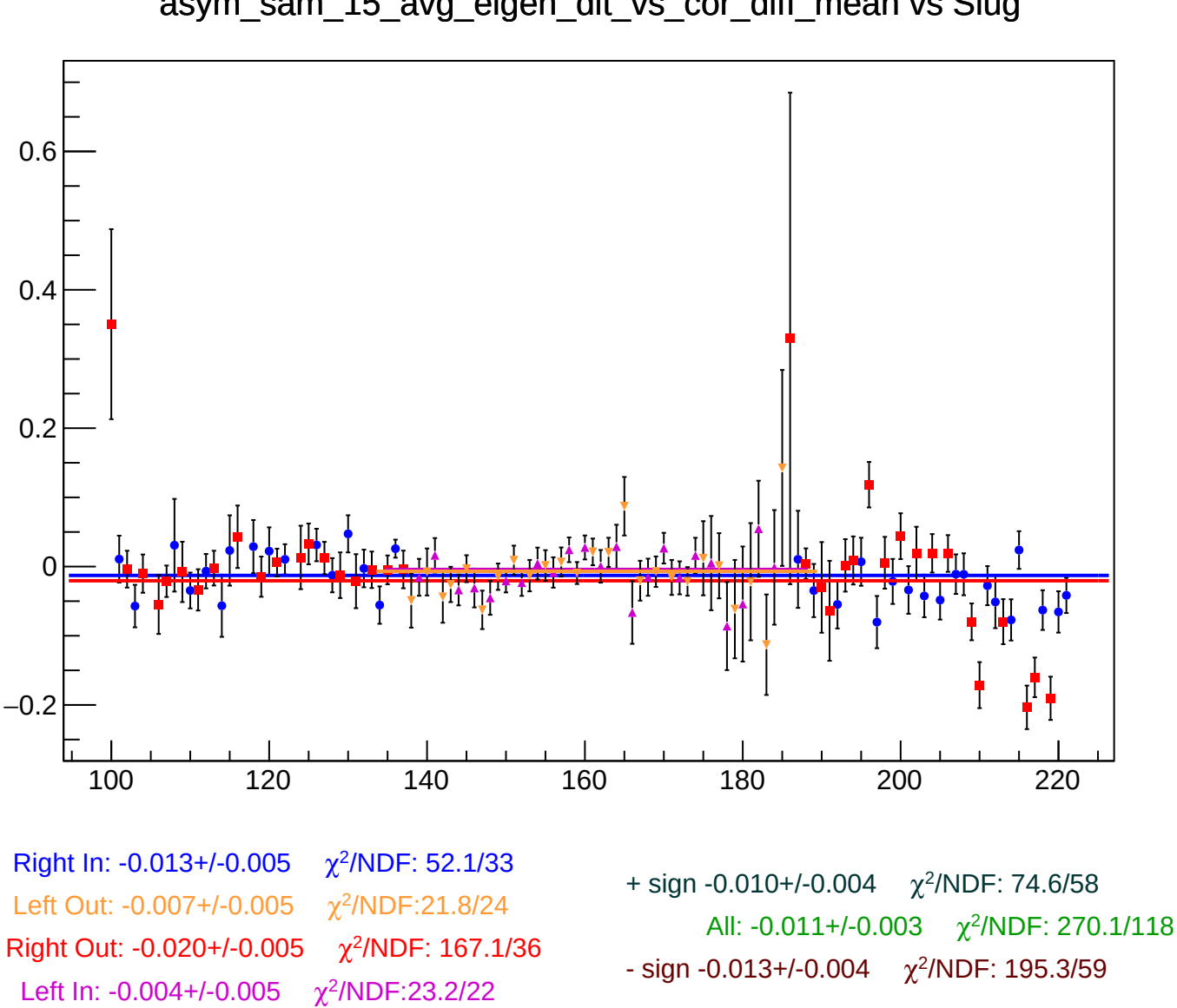
Right Out: 0.001+/-0.000 χ^2/NDF: 20615922.5/36

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

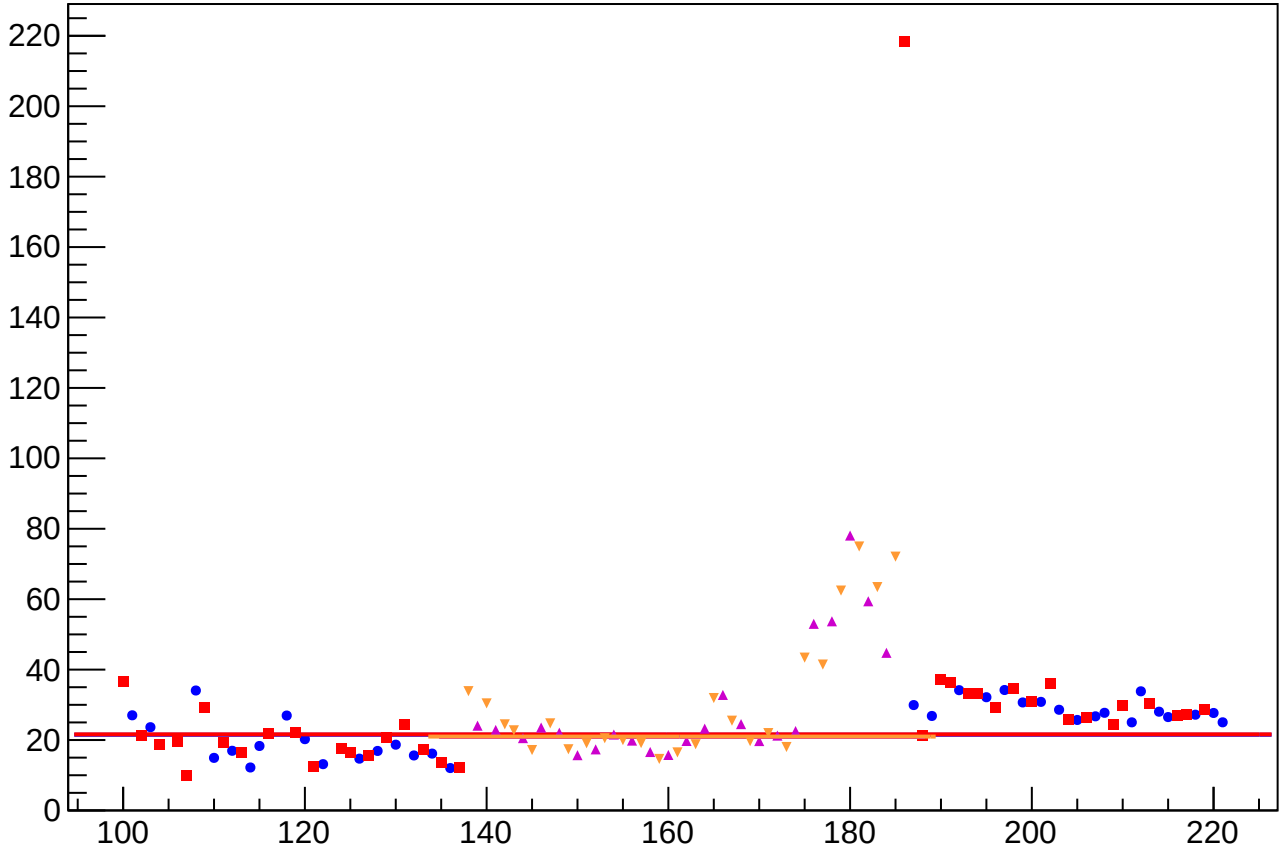
+ sign 0.001+/-0.000 χ^2/NDF: 31294210.4/58

All: 0.001+/-0.000 χ^2/NDF: 65682532.6/118

- sign 0.001+/-0.000 χ^2/NDF: 33809151.8/59


asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: -0.013+/-0.005 χ²/NDF: 52.1/33
Left Out: -0.007+/-0.005 χ²/NDF:21.8/24
Right Out: -0.020+/-0.005 χ²/NDF: 167.1/36
Left In: -0.004+/-0.005 χ²/NDF:23.2/22
+ sign -0.010+/-0.004 χ²/NDF: 74.6/58
All: -0.011+/-0.003 χ²/NDF: 270.1/118
- sign -0.013+/-0.004 χ²/NDF: 195.3/59

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.498+/-0.003 χ^2/NDF: 4206831.6/33

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

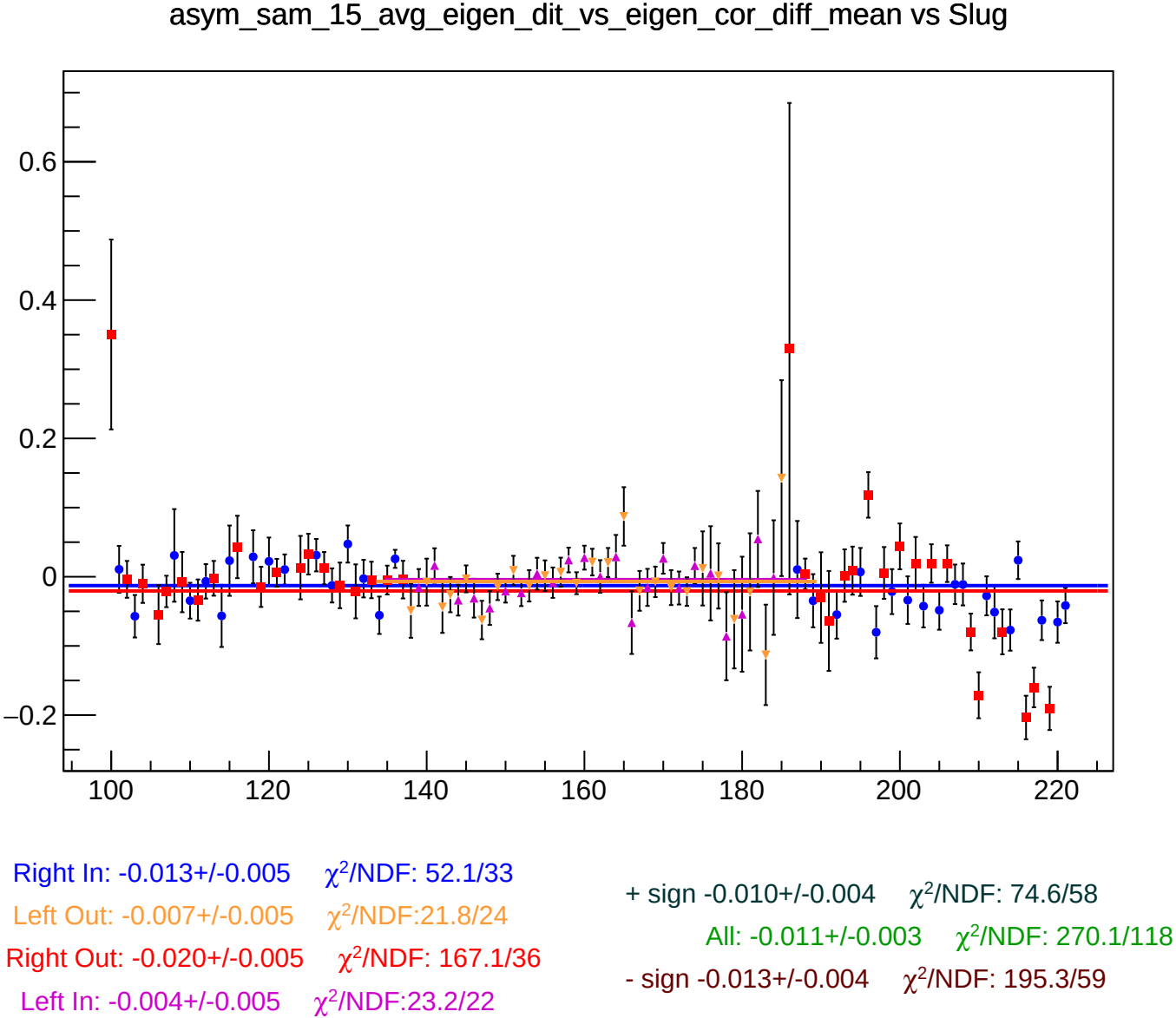
Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

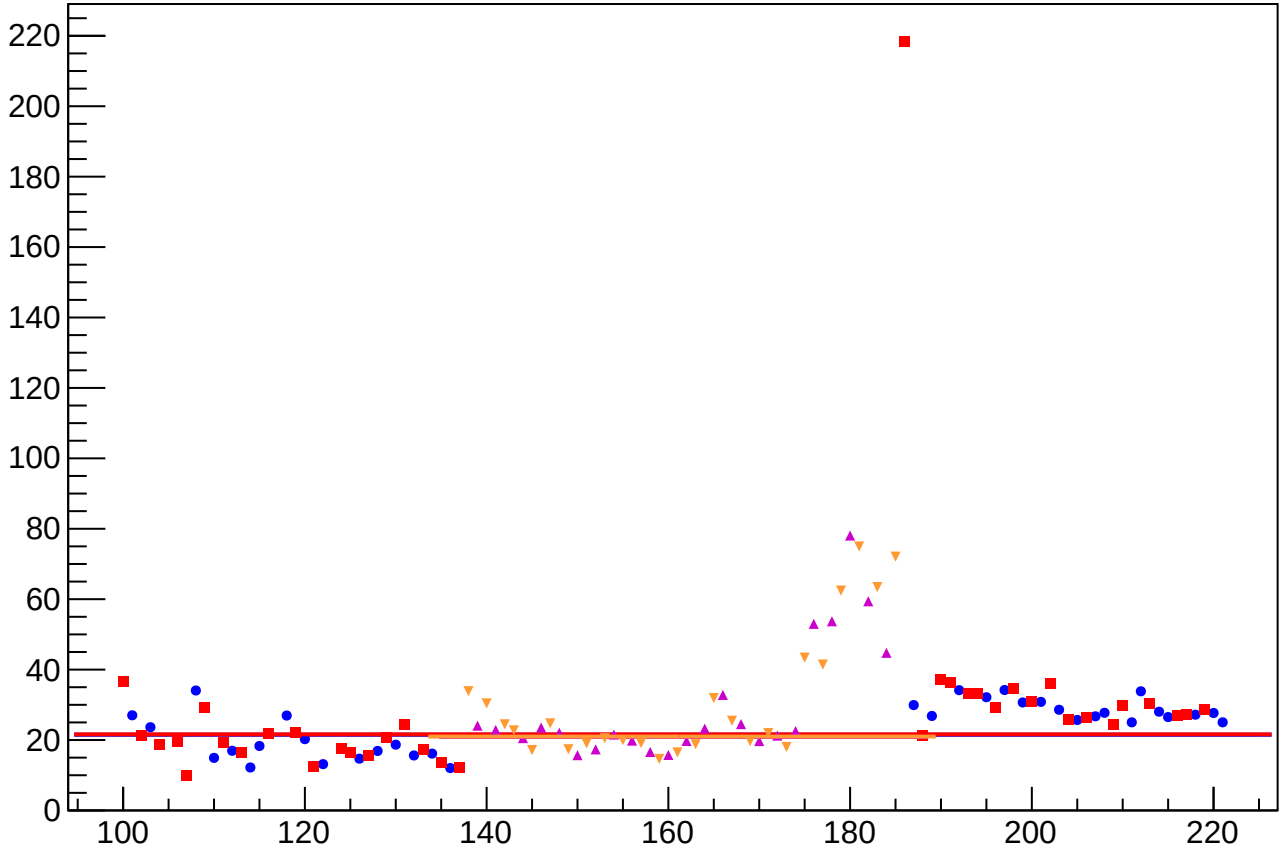
+ sign 21.254+/-0.003 χ^2/NDF: 8684231.8/58

All: 21.256+/-0.002 χ^2/NDF: 16814373.7/118

- sign 21.258+/-0.003 χ^2/NDF: 8130140.3/59


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: -0.013+/-0.005 χ²/NDF: 52.1/33
Left Out: -0.007+/-0.005 χ²/NDF:21.8/24
Right Out: -0.020+/-0.005 χ²/NDF: 167.1/36
Left In: -0.004+/-0.005 χ²/NDF:23.2/22
+ sign -0.010+/-0.004 χ²/NDF: 74.6/58
All: -0.011+/-0.003 χ²/NDF: 270.1/118
- sign -0.013+/-0.004 χ²/NDF: 195.3/59

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.498+/-0.003 χ^2/NDF: 4206831.6/33

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

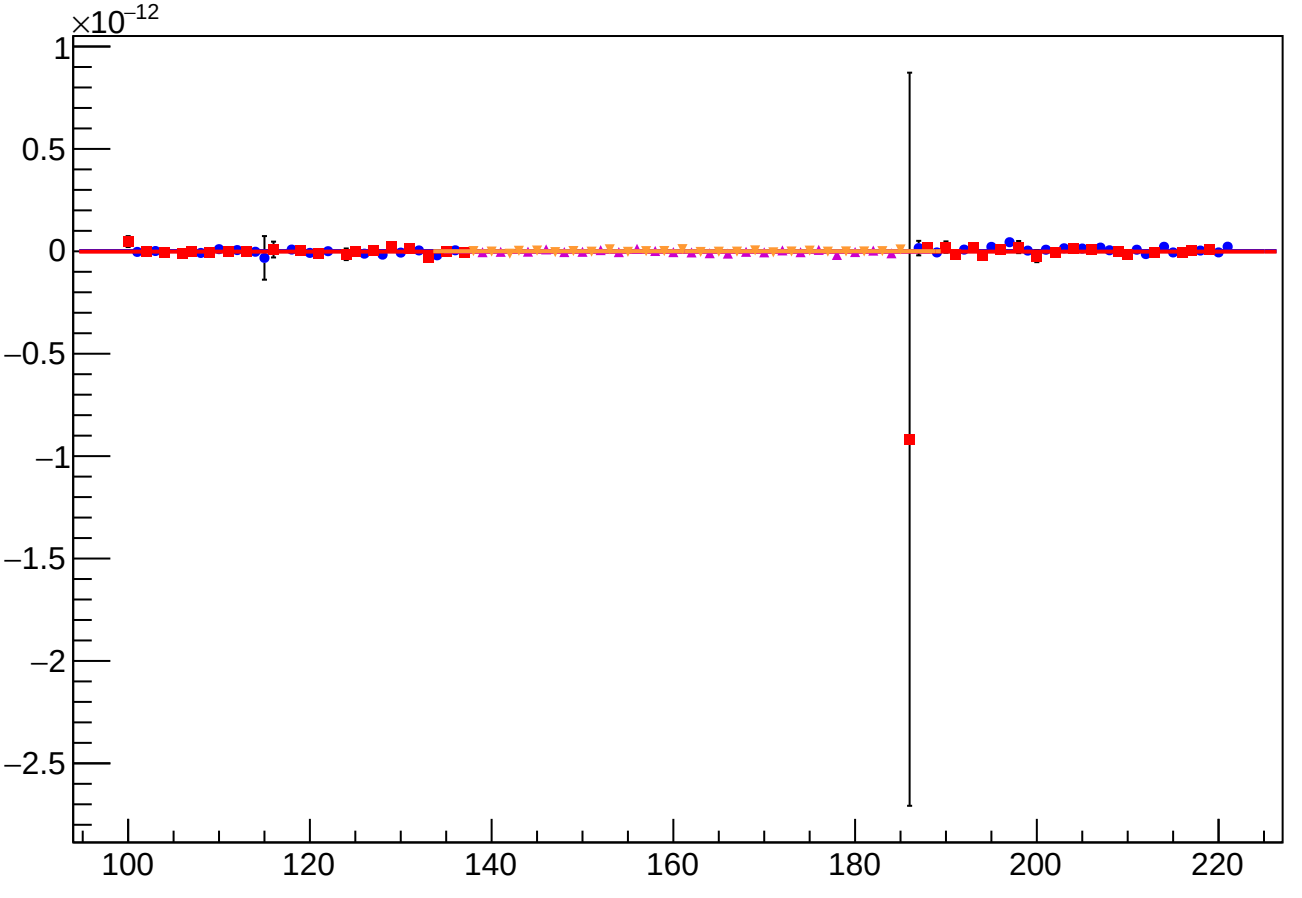
Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 21.254+/-0.003 χ^2/NDF: 8684231.8/58

All: 21.256+/-0.002 χ^2/NDF: 16814373.7/118

- sign 21.258+/-0.003 χ^2/NDF: 8130140.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

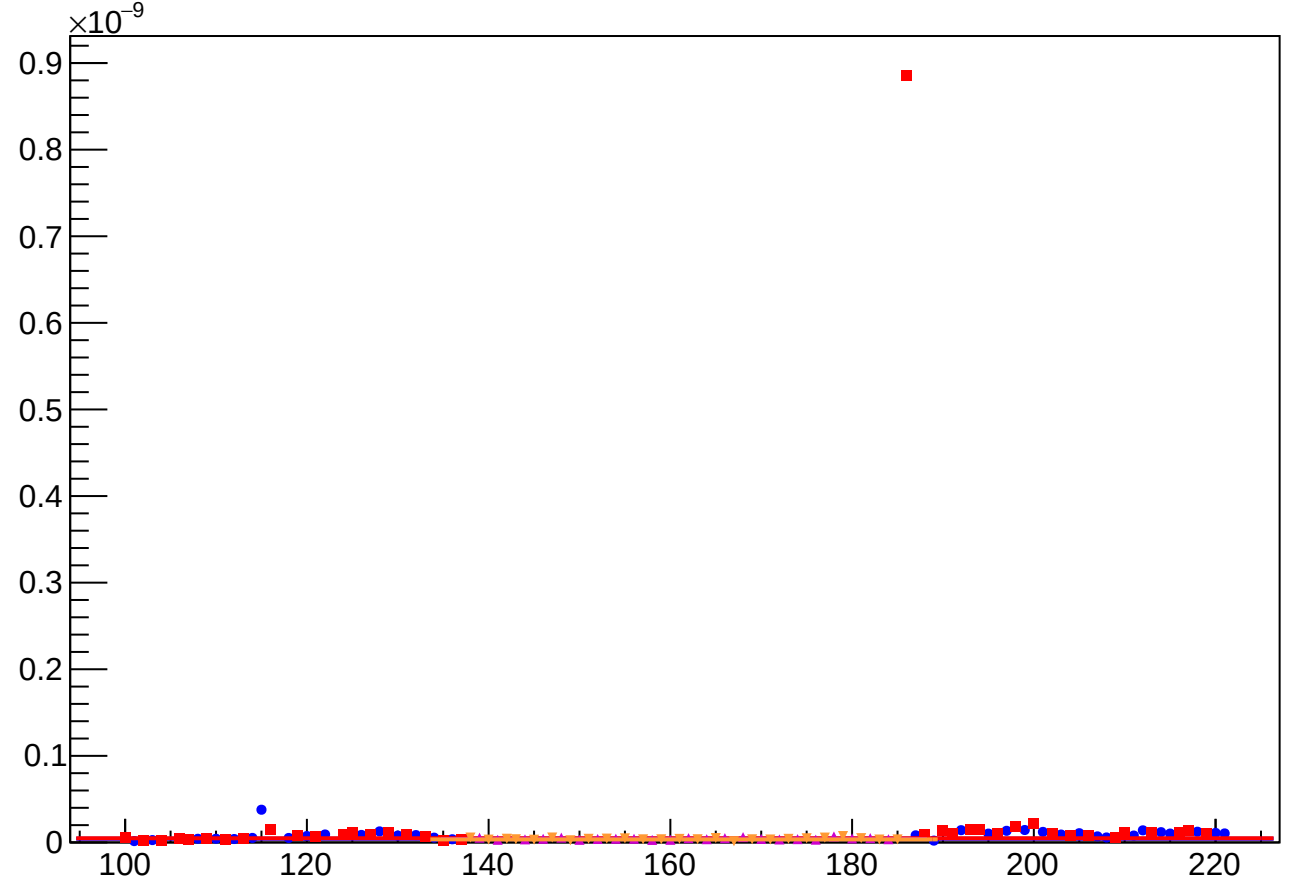
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/36

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/58

All: 0.000+/-0.000 χ^2/NDF: 103.7/118

- sign -0.000+/-0.000 χ^2/NDF: 54.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 10816852.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9796801.5/36

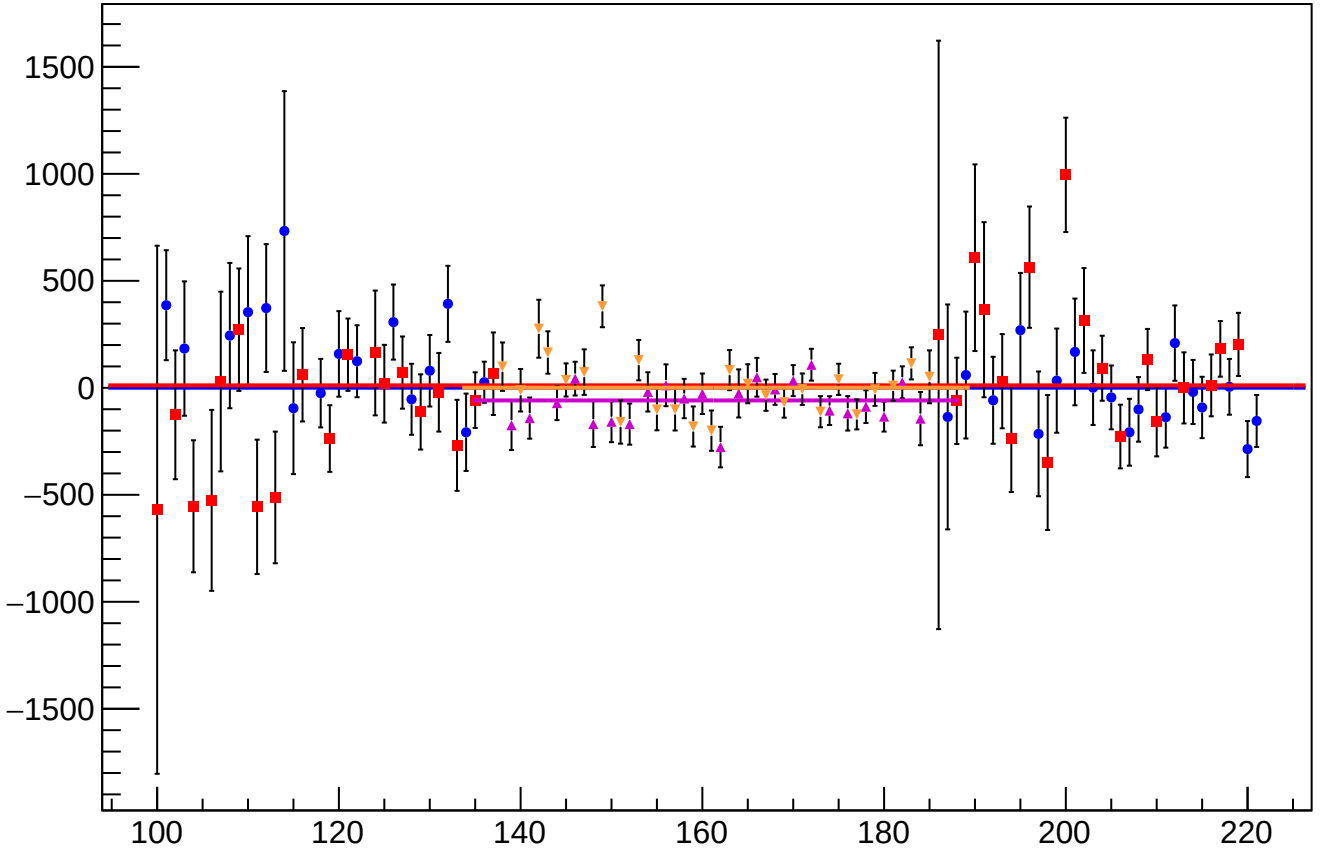
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13686361.9/58

All: 0.000+/-0.000 χ^2/NDF: 25362048.5/118

- sign 0.000+/-0.000 χ^2/NDF: 11445042.5/59

reg_asym_sam_26_avg_mean vs Slug



Right In: 0.755+/-30.694 χ^2/NDF: 31.6/33

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 11.481+/-33.304 χ^2/NDF: 50.8/36

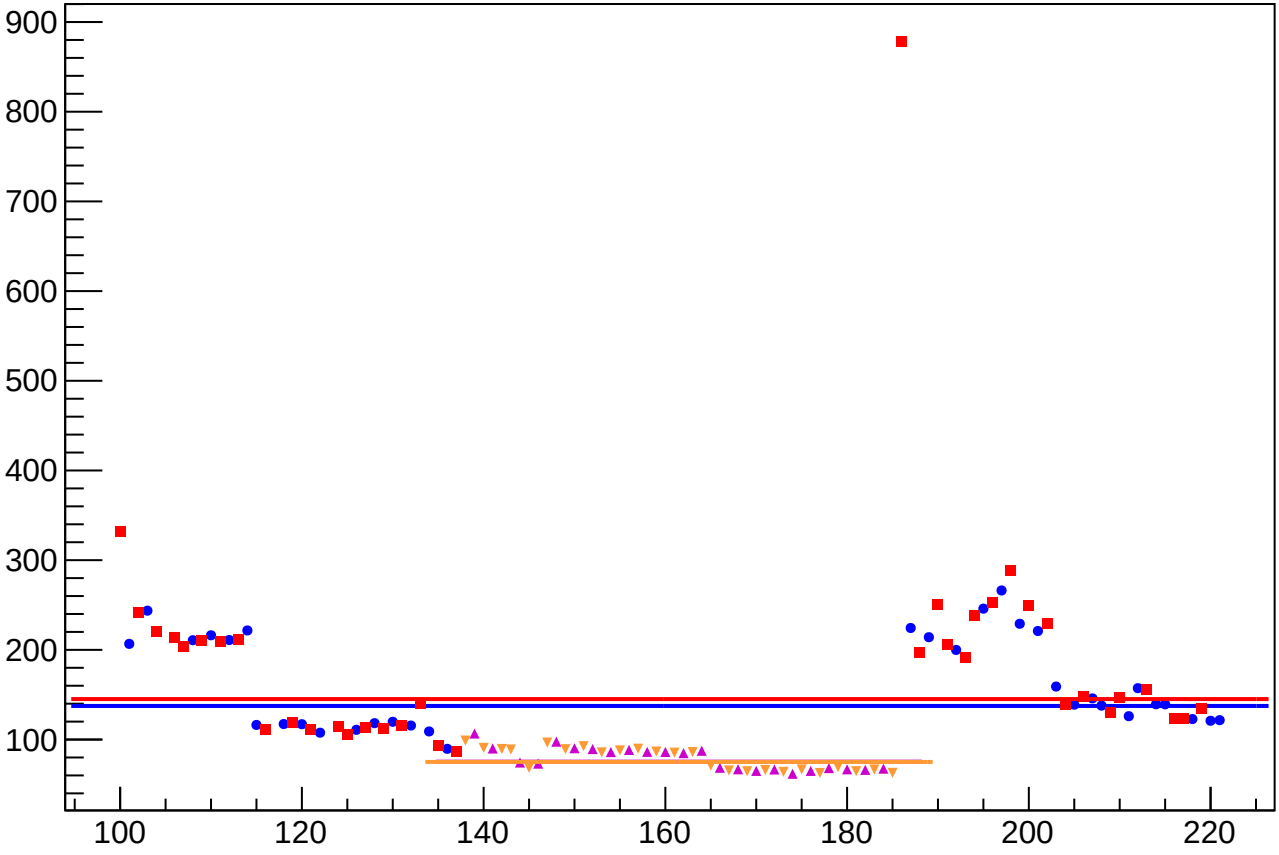
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 0.636+/-15.084 χ^2/NDF: 80.2/58

All: -20.312+/-10.895 χ^2/NDF: 164.3/118

- sign -43.160+/-15.753 χ^2/NDF: 80.1/59

reg_asym_sam_26_avg_rms vs Slug



Right In: 137.461+/-0.022 χ^2/NDF: 3287010.3/33

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

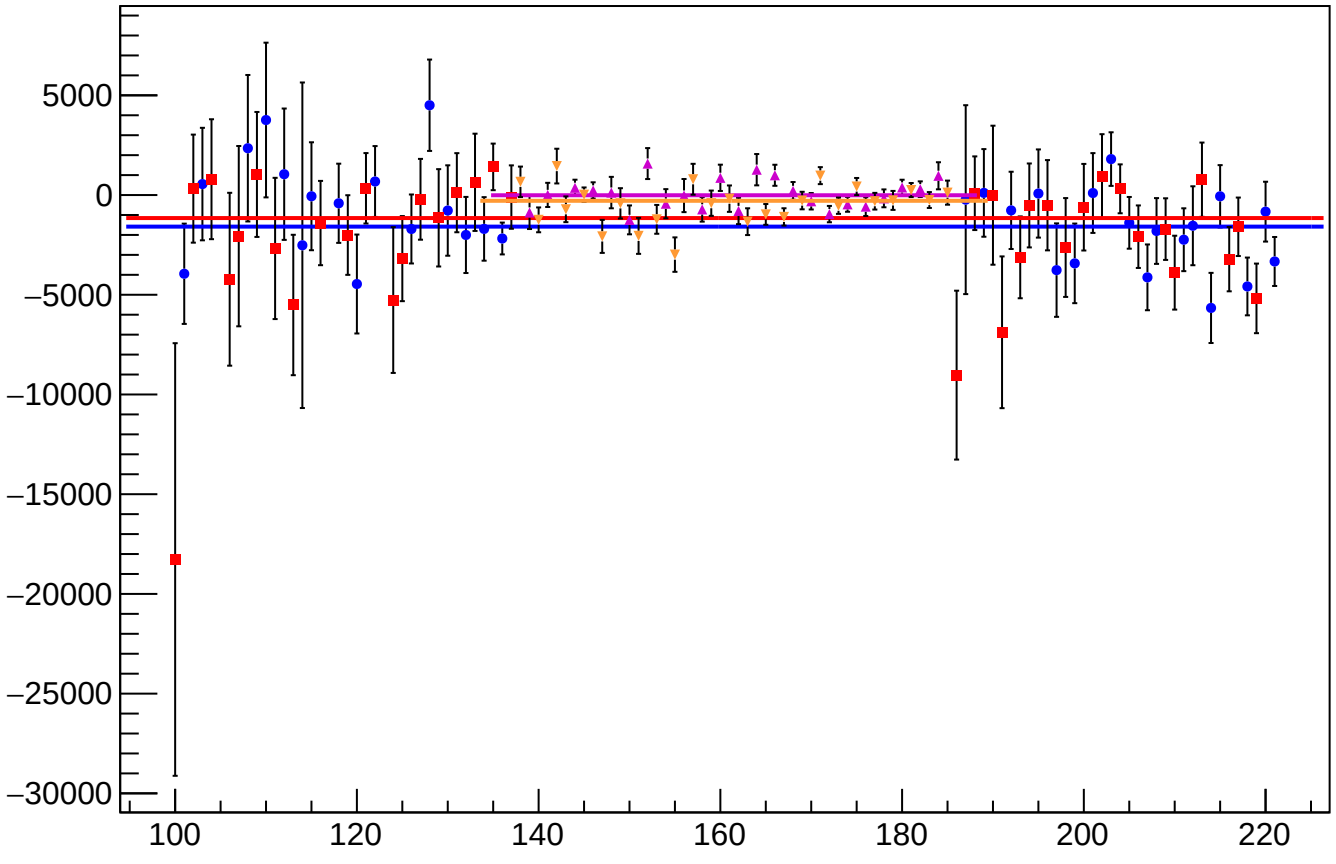
Right Out: 145.145+/-0.024 χ^2/NDF: 4360480.6/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 90.115+/-0.011 χ^2/NDF: 10488617.9/58

All: 90.522+/-0.008 χ^2/NDF: 22508026.4/118

- sign 90.966+/-0.011 χ^2/NDF: 12016363.3/59



Right In: -1583.126+/-306.795 χ^2/NDF: 42.3/33

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1154.022+/-339.361 χ^2/NDF: 36.5/36

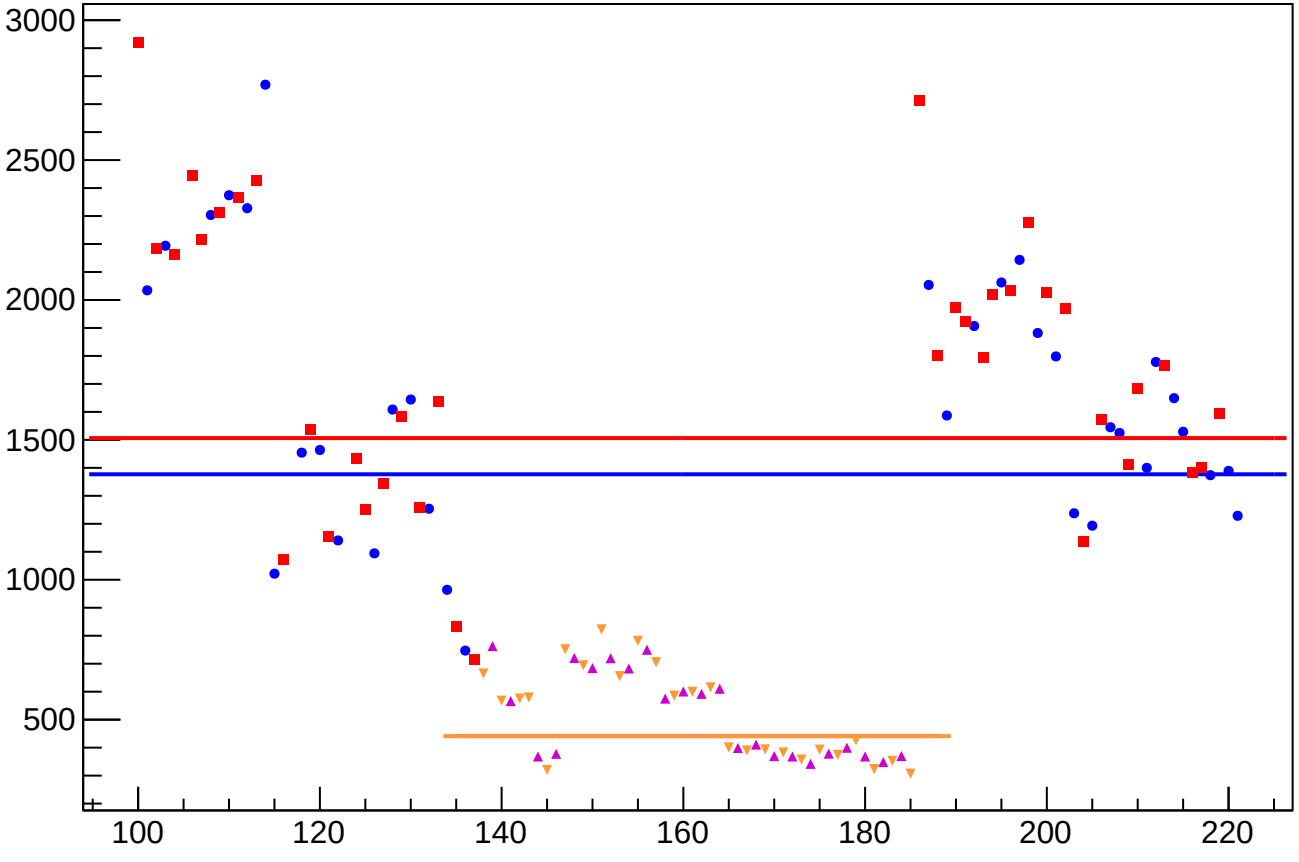
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -424.403+/-99.539 χ^2/NDF: 111.5/58

All: -274.531+/-71.452 χ^2/NDF: 196.4/118

- sign -115.211+/-102.628 χ^2/NDF: 80.2/59

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1377.019+/-0.217 χ^2/NDF: 3464851.7/33

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1506.369+/-0.240 χ^2/NDF: 3412906.3/36

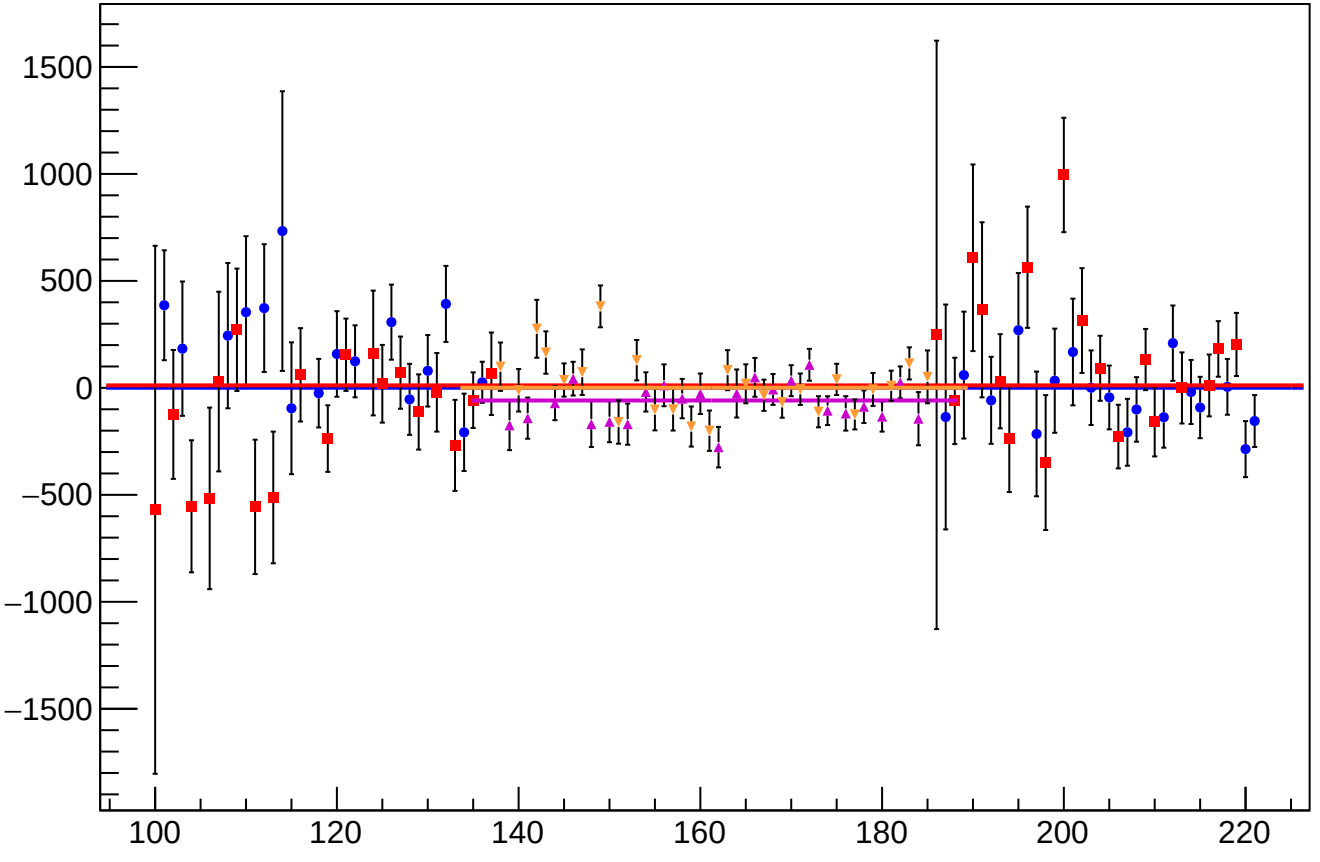
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 539.646+/-0.070 χ^2/NDF: 23351916.0/58

All: 539.144+/-0.051 χ^2/NDF: 47348660.7/11

- sign 538.612+/-0.073 χ^2/NDF: 23996640.2/59

cor_asym_sam_26_avg_mean vs Slug



Right In: 0.744+/-30.694 χ^2/NDF: 31.6/33

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 11.587+/-33.305 χ^2/NDF: 50.7/36

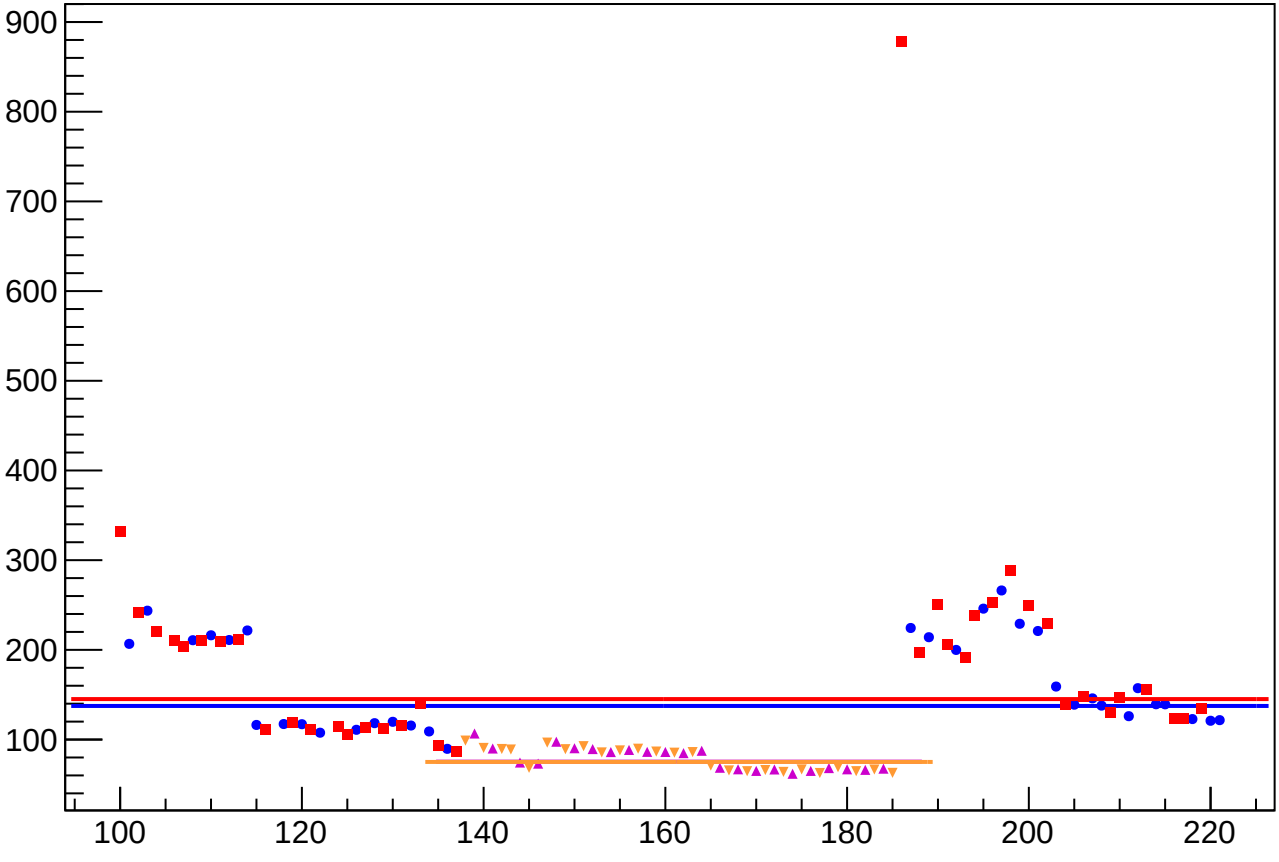
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 0.633+/-15.084 χ^2/NDF: 80.2/58

All: -20.302+/-10.895 χ^2/NDF: 164.2/118

- sign -43.135+/-15.753 χ^2/NDF: 80.0/59

cor_asym_sam_26_avg_rms vs Slug



Right In: 137.461+/-0.022 χ^2/NDF: 3287012.8/33

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

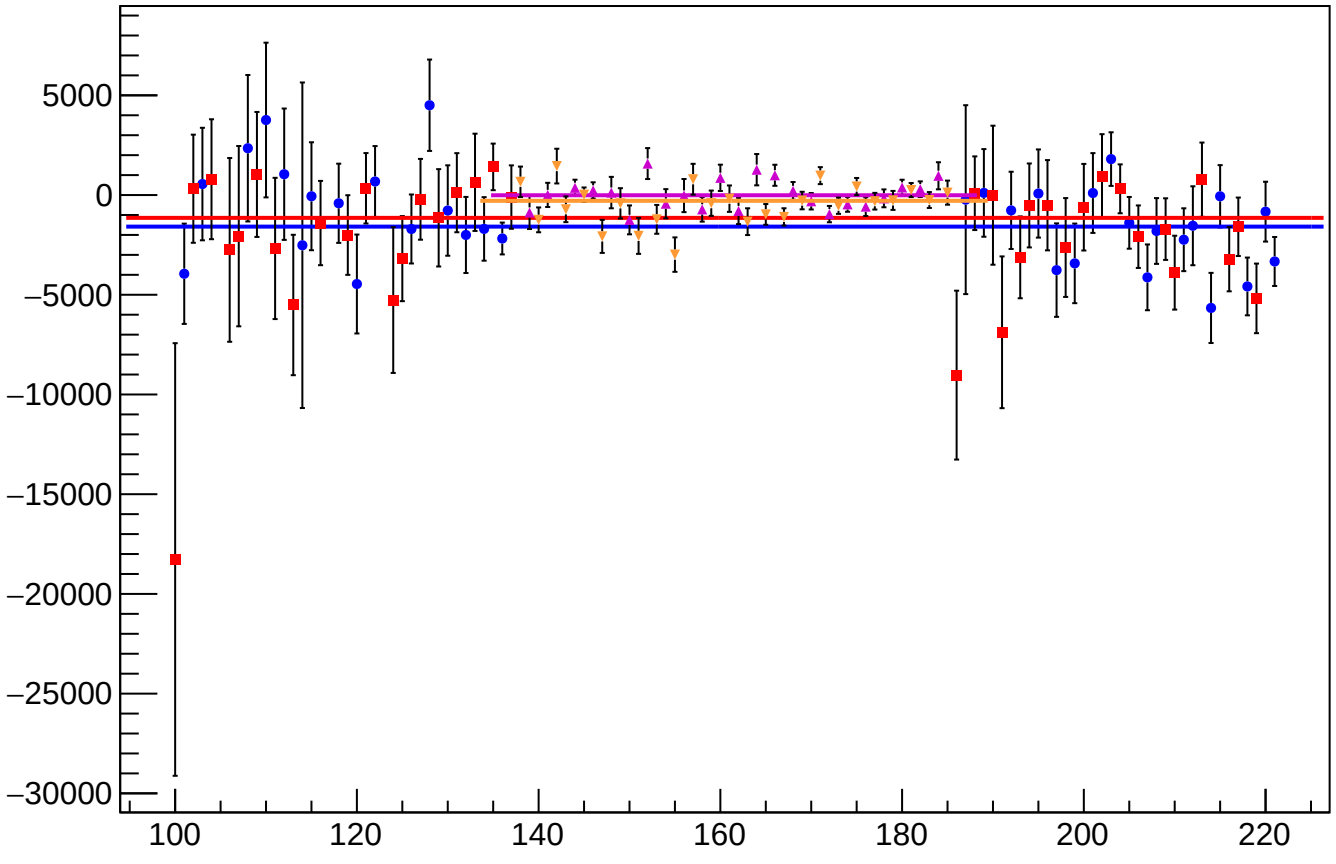
Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 90.115+/-0.011 χ^2/NDF: 10488619.9/58

All: 90.520+/-0.008 χ^2/NDF: 22498786.2/118

- sign 90.961+/-0.011 χ^2/NDF: 12007160.7/59



Right In: -1583.122+/-306.795 χ^2/NDF: 42.3/33

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1143.985+/-339.484 χ^2/NDF: 36.1/36

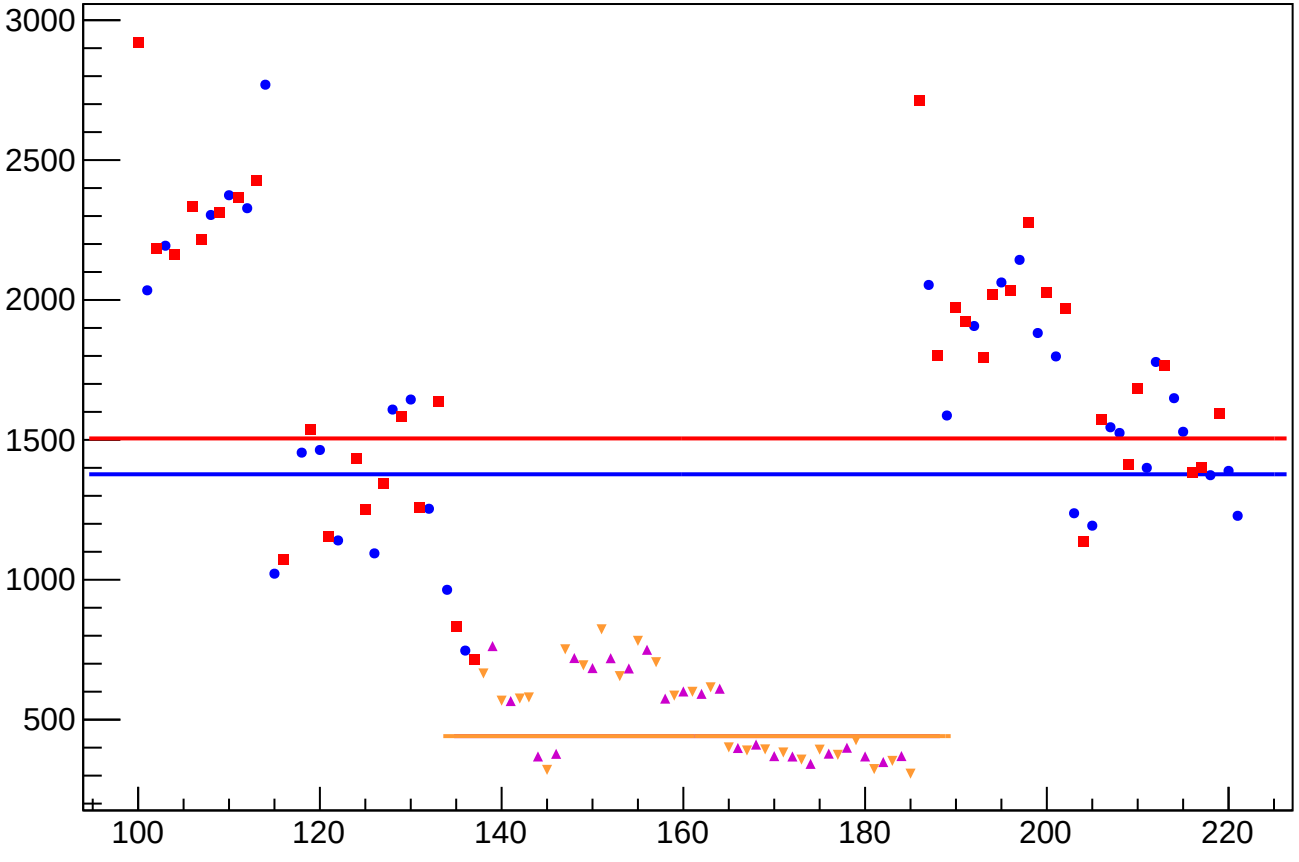
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -424.402+/-99.539 χ^2/NDF: 111.5/58

All: -274.058+/-71.453 χ^2/NDF: 195.8/118

- sign -114.226+/-102.631 χ^2/NDF: 79.6/59

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1377.020+/-0.217 χ^2/NDF: 3464880.7/33

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

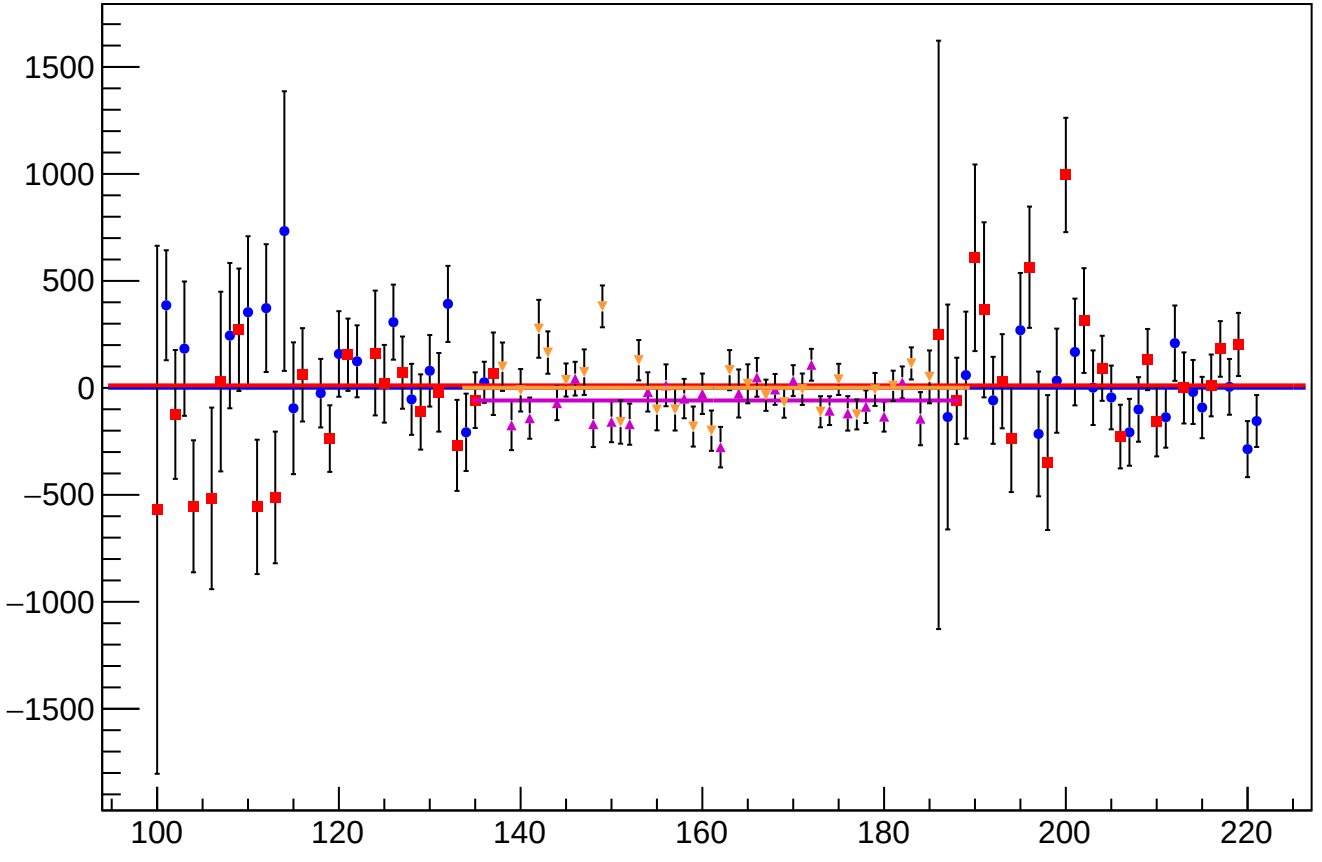
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

\+ sign 539.646+/-0.070 χ^2/NDF: 23351927.5/58

All: 539.058+/-0.051 χ^2/NDF: 47266441.8/11

\- sign 538.434+/-0.073 χ^2/NDF: 23914370.7/59

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 0.744+/-30.694 χ^2/NDF: 31.6/33

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 11.587+/-33.305 χ^2/NDF: 50.7/36

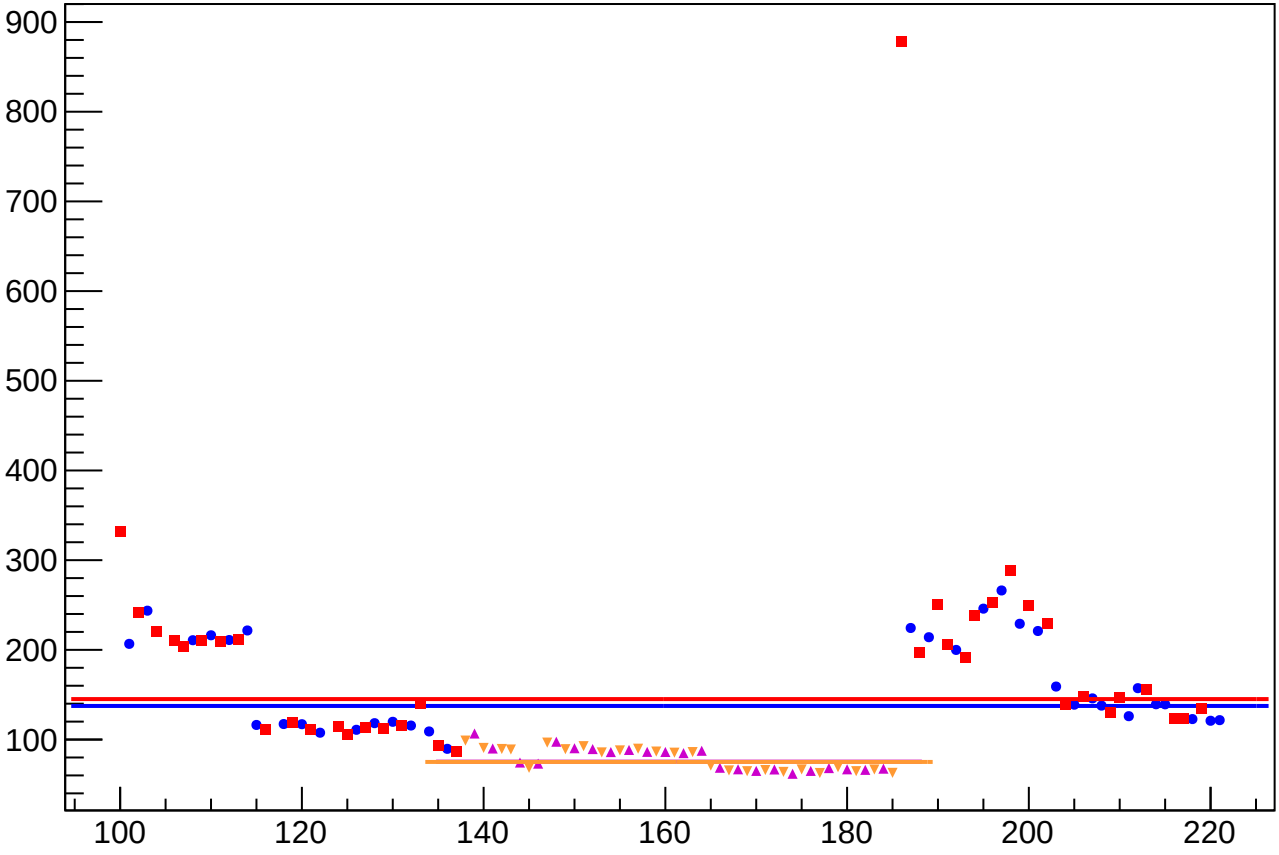
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 0.633+/-15.084 χ^2/NDF: 80.2/58

All: -20.302+/-10.895 χ^2/NDF: 164.2/118

- sign -43.135+/-15.753 χ^2/NDF: 80.0/59

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 137.461+/-0.022 χ^2/NDF: 3287012.8/33

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

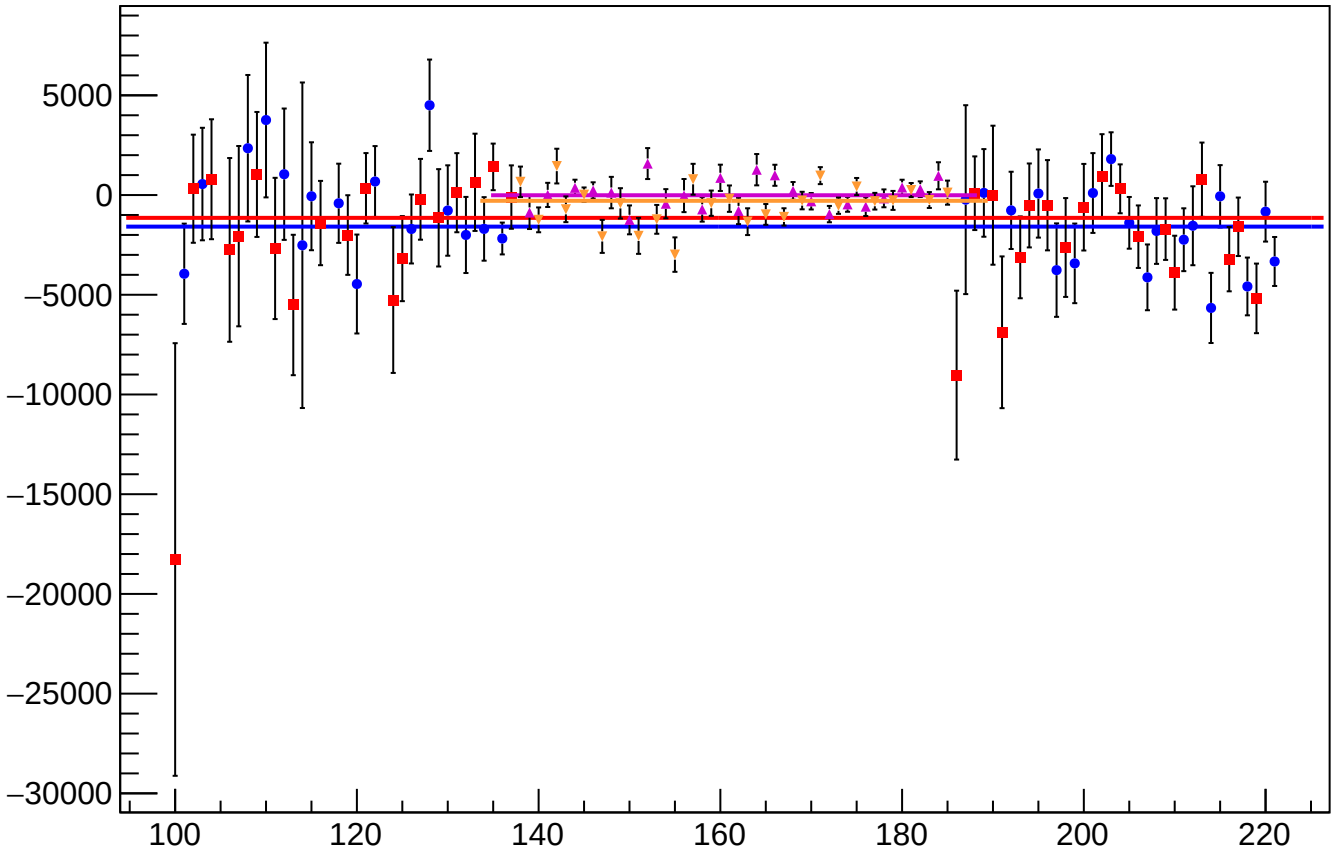
Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 90.115+/-0.011 χ^2/NDF: 10488619.9/58

All: 90.520+/-0.008 χ^2/NDF: 22498786.2/118

- sign 90.961+/-0.011 χ^2/NDF: 12007160.7/59



Right In: -1583.122+/-306.795 χ^2/NDF: 42.3/33

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1143.985+/-339.484 χ^2/NDF: 36.1/36

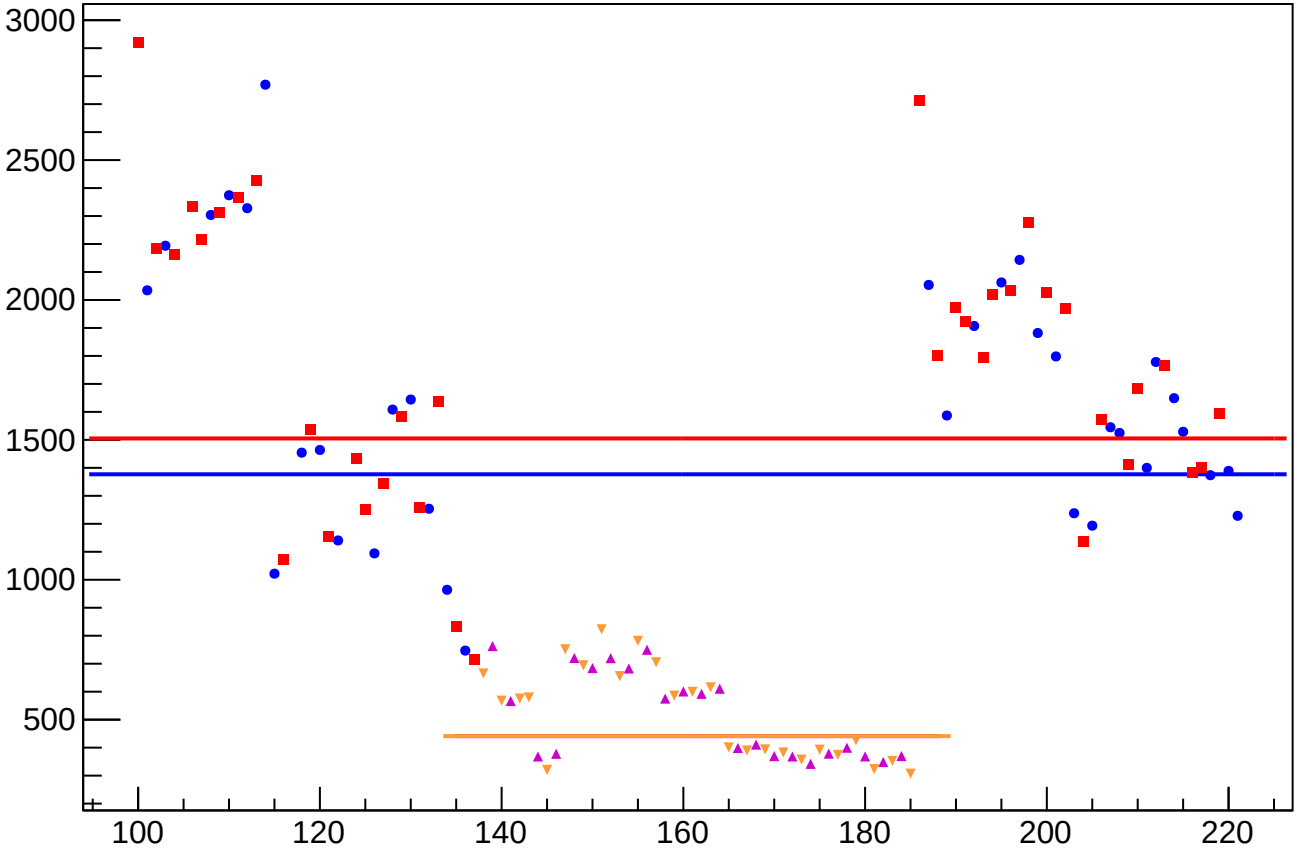
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -424.402+/-99.539 χ^2/NDF: 111.5/58

All: -274.058+/-71.453 χ^2/NDF: 195.8/118

- sign -114.226+/-102.631 χ^2/NDF: 79.6/59

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1377.020+/-0.217 χ^2/NDF: 3464880.7/33

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

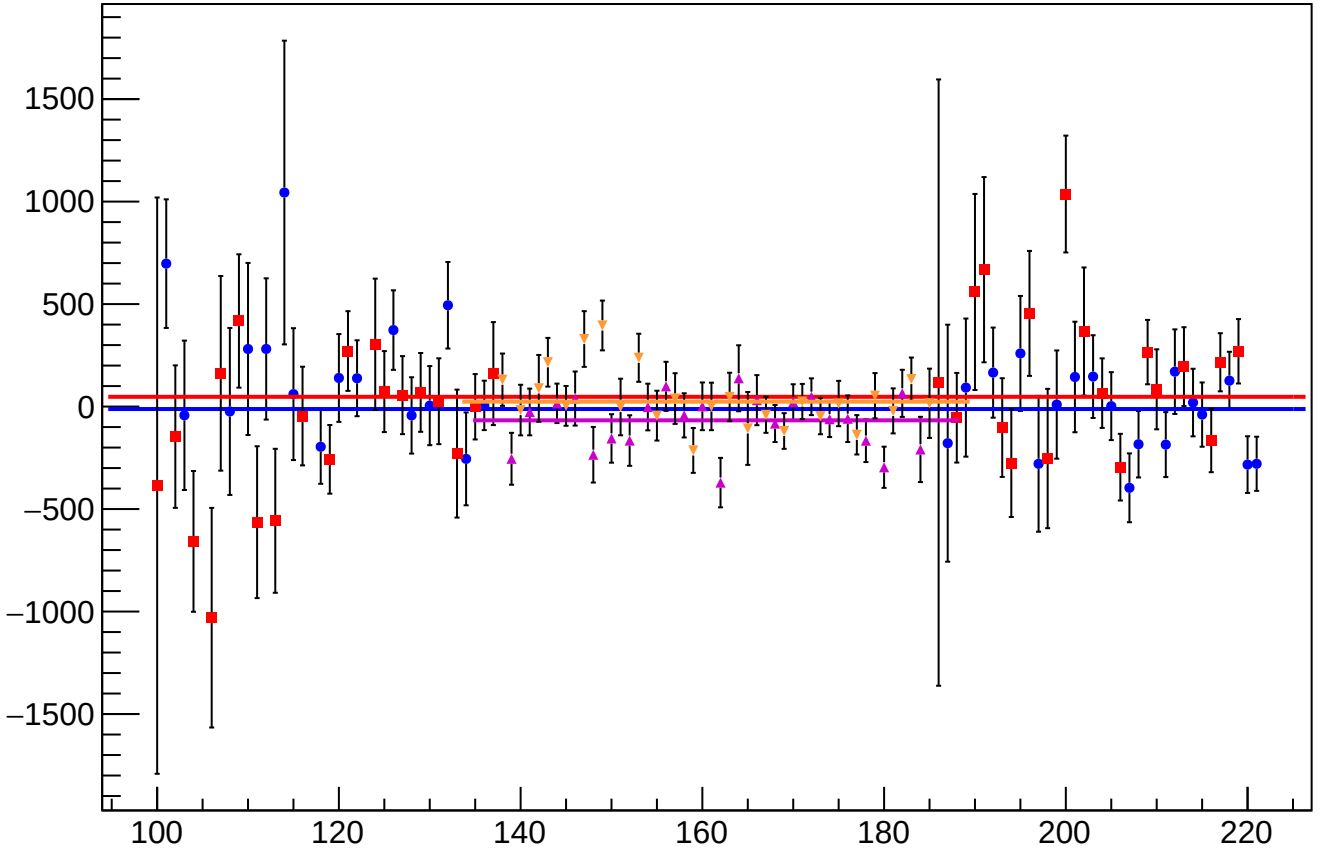
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

\+ sign 539.646+/-0.070 χ^2/NDF: 23351927.5/58

All: 539.058+/-0.051 χ^2/NDF: 47266441.8/11

\- sign 538.434+/-0.073 χ^2/NDF: 23914370.7/59

dit_asym_sam_26_avg_mean vs Slug



Right In: -11.972+/-34.471 χ^2/NDF: 42.2/33

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 47.656+/-37.518 χ^2/NDF: 55.4/36

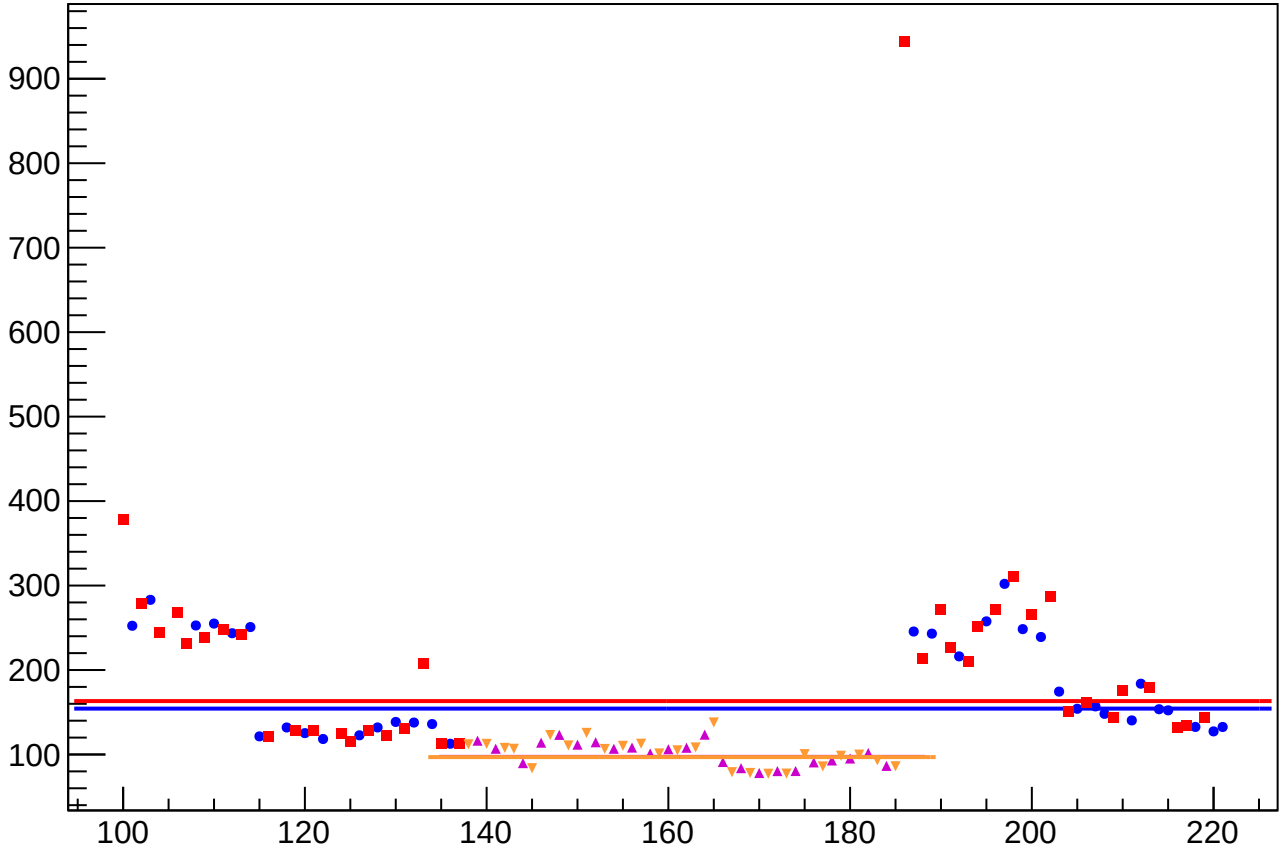
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 13.222+/-18.791 χ^2/NDF: 78.1/58

All: -10.011+/-13.592 χ^2/NDF: 172.2/118

- sign -35.503+/-19.683 χ^2/NDF: 90.8/59

dit_asym_sam_26_avg_rms vs Slug



Right In: 154.320+/-0.024 χ^2/NDF: 3092404.3/33

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 163.222+/-0.027 χ^2/NDF: 4250780.7/36

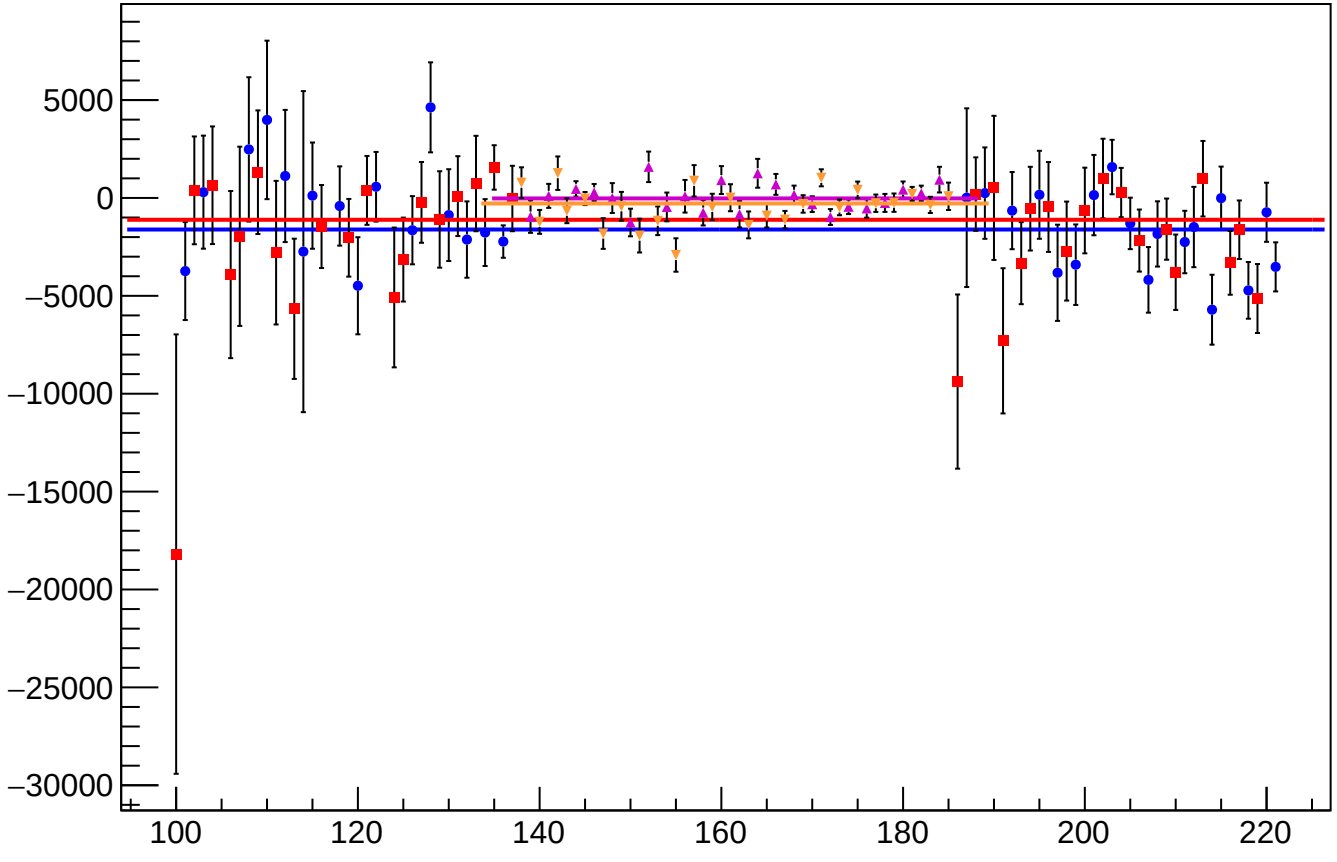
Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 113.968+/-0.013 χ^2/NDF: 7925659.2/58

All: 114.626+/-0.010 χ^2/NDF: 17349290.0/11

- sign 115.349+/-0.014 χ^2/NDF: 9418479.0/59

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1612.145+/-313.666 χ^2/NDF: 42.0/33

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -1115.318+/-343.151 χ^2/NDF: 37.8/36

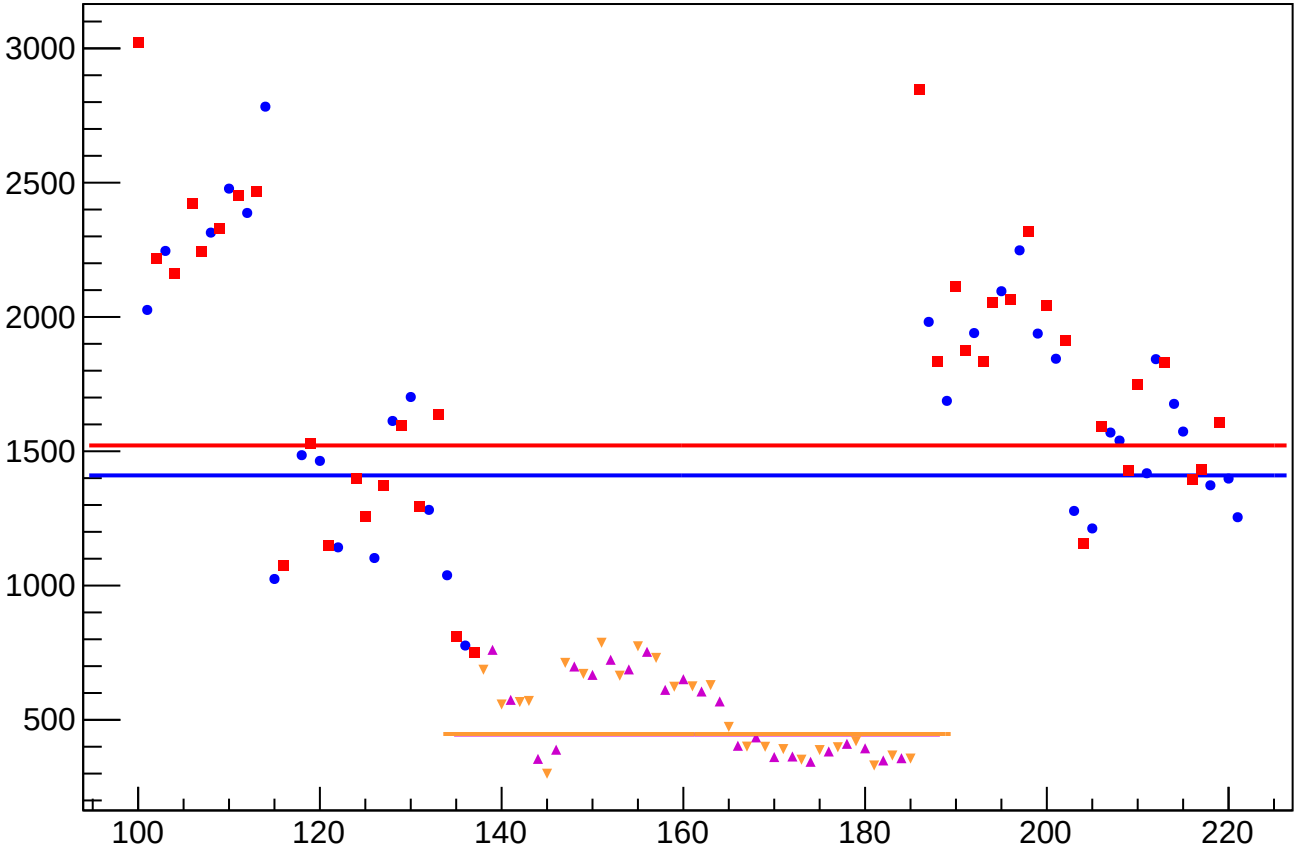
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -419.626+/-100.756 χ^2/NDF: 108.5/58

All: -276.381+/-72.292 χ^2/NDF: 192.6/118

- sign -124.394+/-103.784 χ^2/NDF: 79.9/59

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1410.149+/-0.222 χ^2/NDF: 3369487.6/33

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504199.7/36

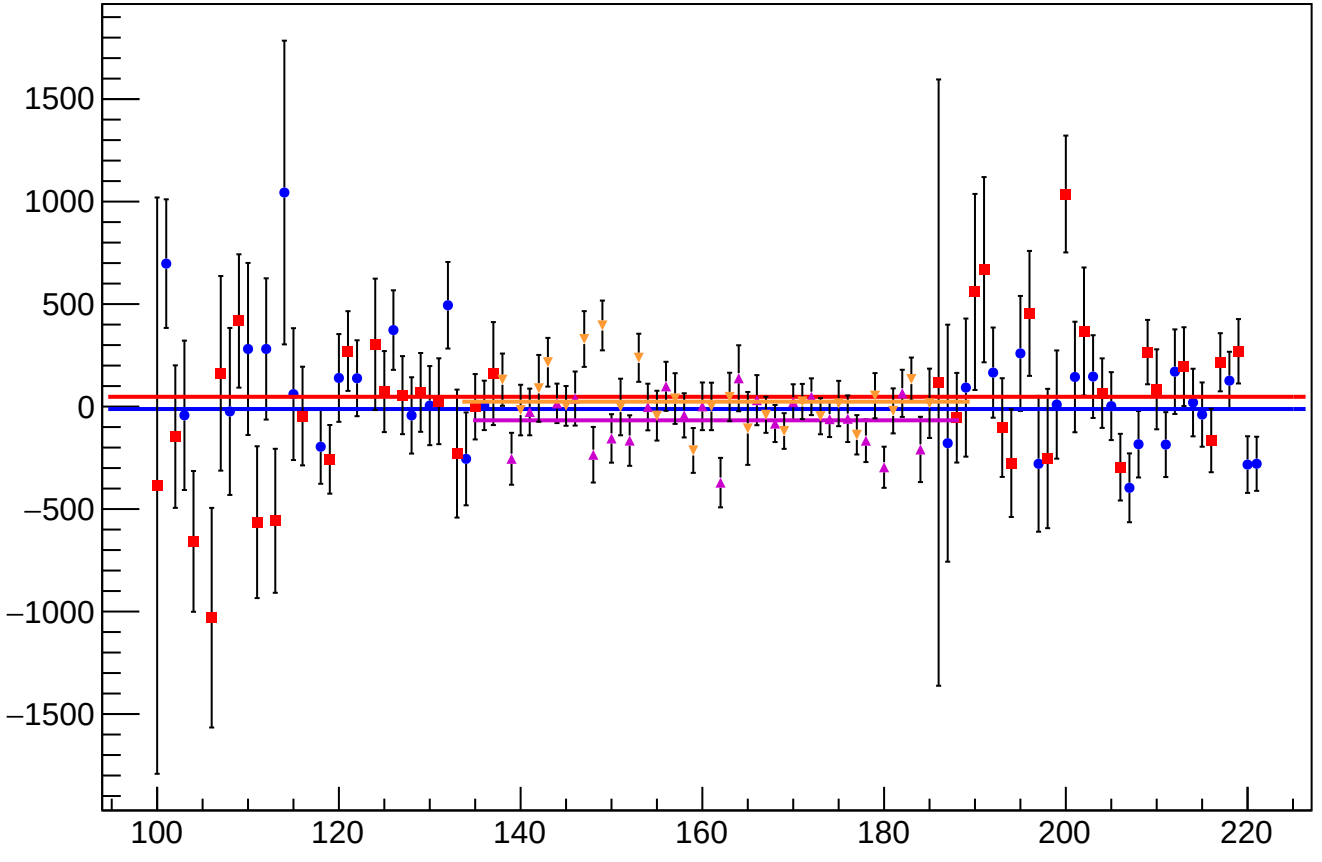
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 546.726+/-0.071 χ^2/NDF: 23465357.1/58

All: 545.371+/-0.051 χ^2/NDF: 47555585.9/11

- sign 543.933+/-0.073 χ^2/NDF: 24089483.4/59

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: -11.968+/-34.471 χ^2/NDF: 42.2/33

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 47.657+/-37.518 χ^2/NDF: 55.4/36

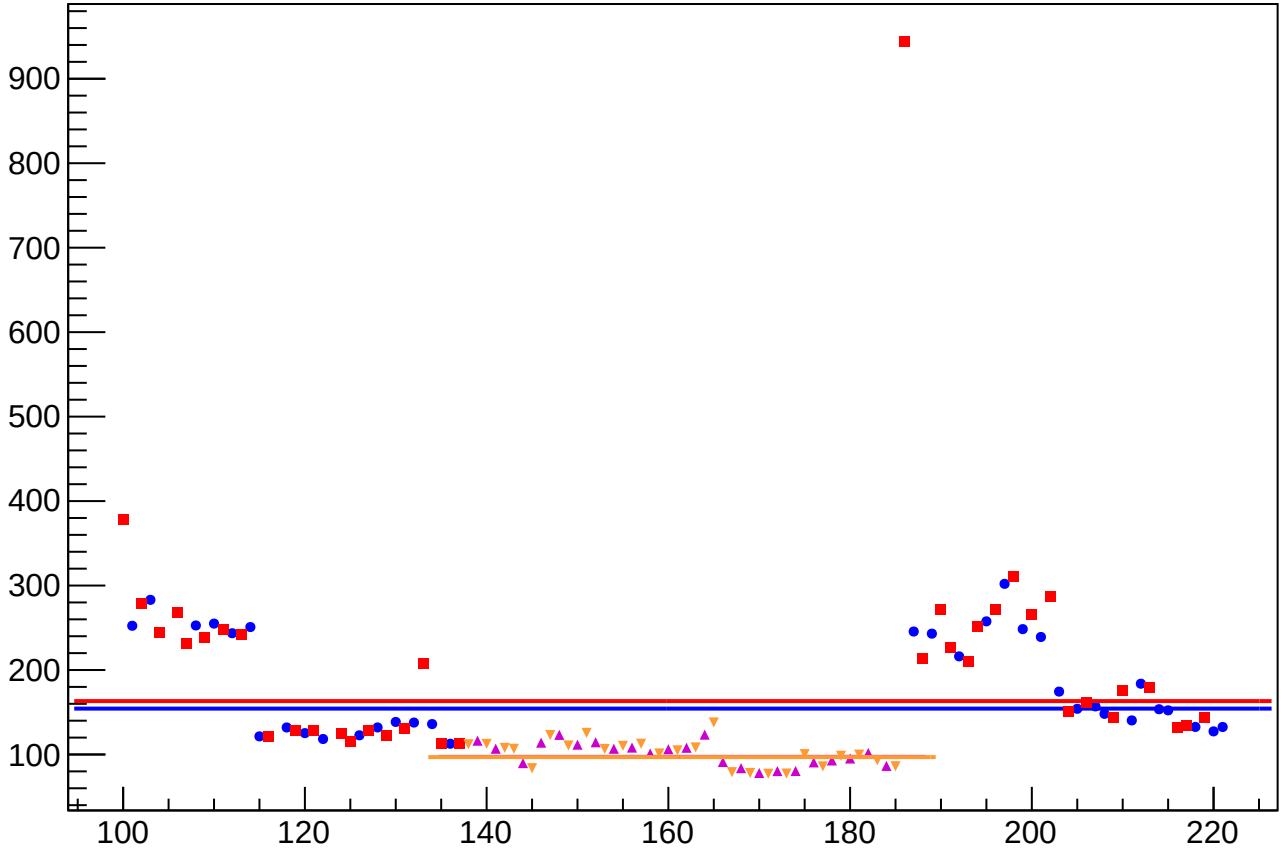
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 13.222+/-18.791 χ^2/NDF: 78.1/58

All: -10.011+/-13.592 χ^2/NDF: 172.2/118

- sign -35.502+/-19.683 χ^2/NDF: 90.8/59

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 154.319+/-0.024 χ^2/NDF: 3092412.2/33

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

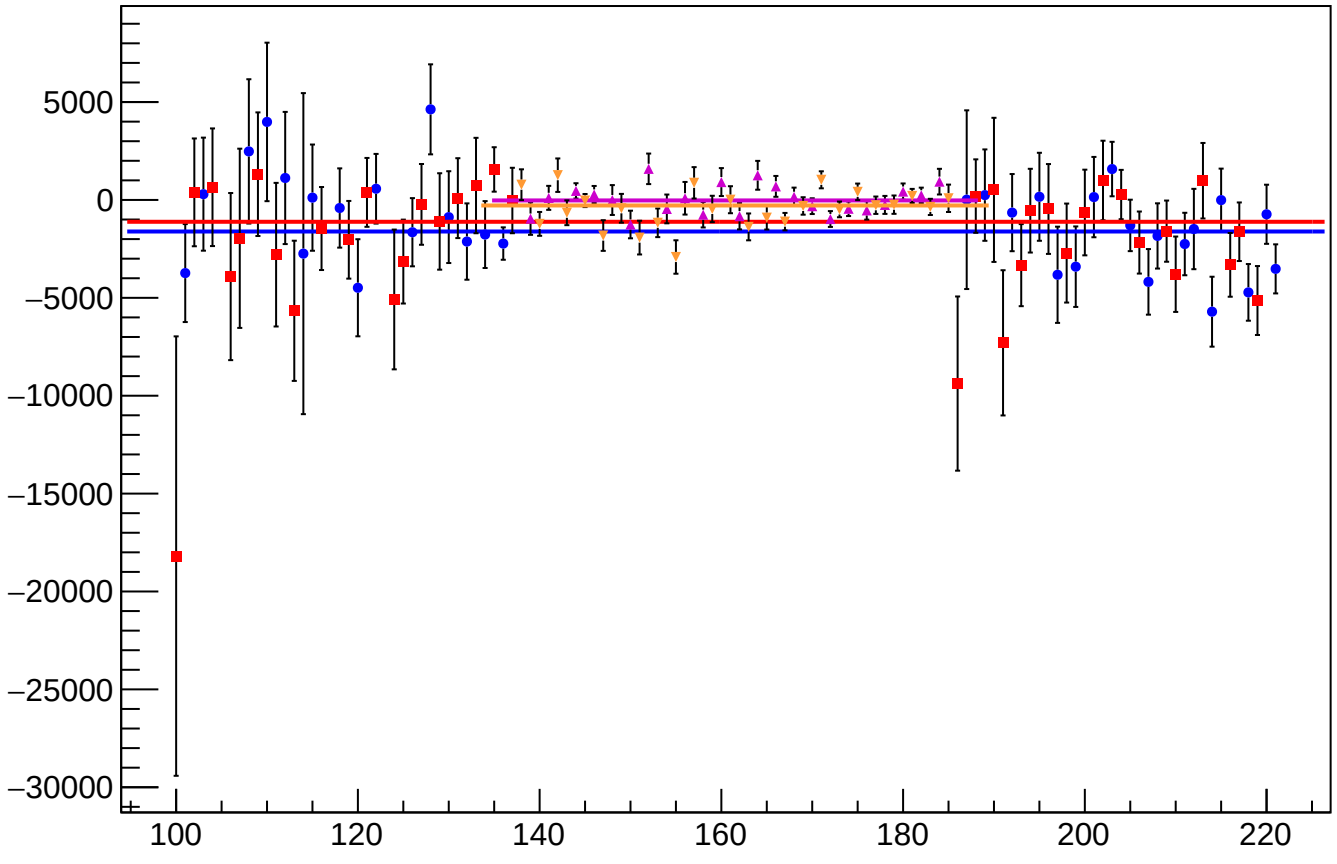
Right Out: 163.221+/-0.027 χ^2/NDF: 4250784.4/36

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 113.968+/-0.013 χ^2/NDF: 7925585.5/58

All: 114.626+/-0.010 χ^2/NDF: 17349128.2/11

- sign 115.349+/-0.014 χ^2/NDF: 9418389.9/59



Right In: -1612.143+/-313.666 χ^2/NDF: 42.0/33

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

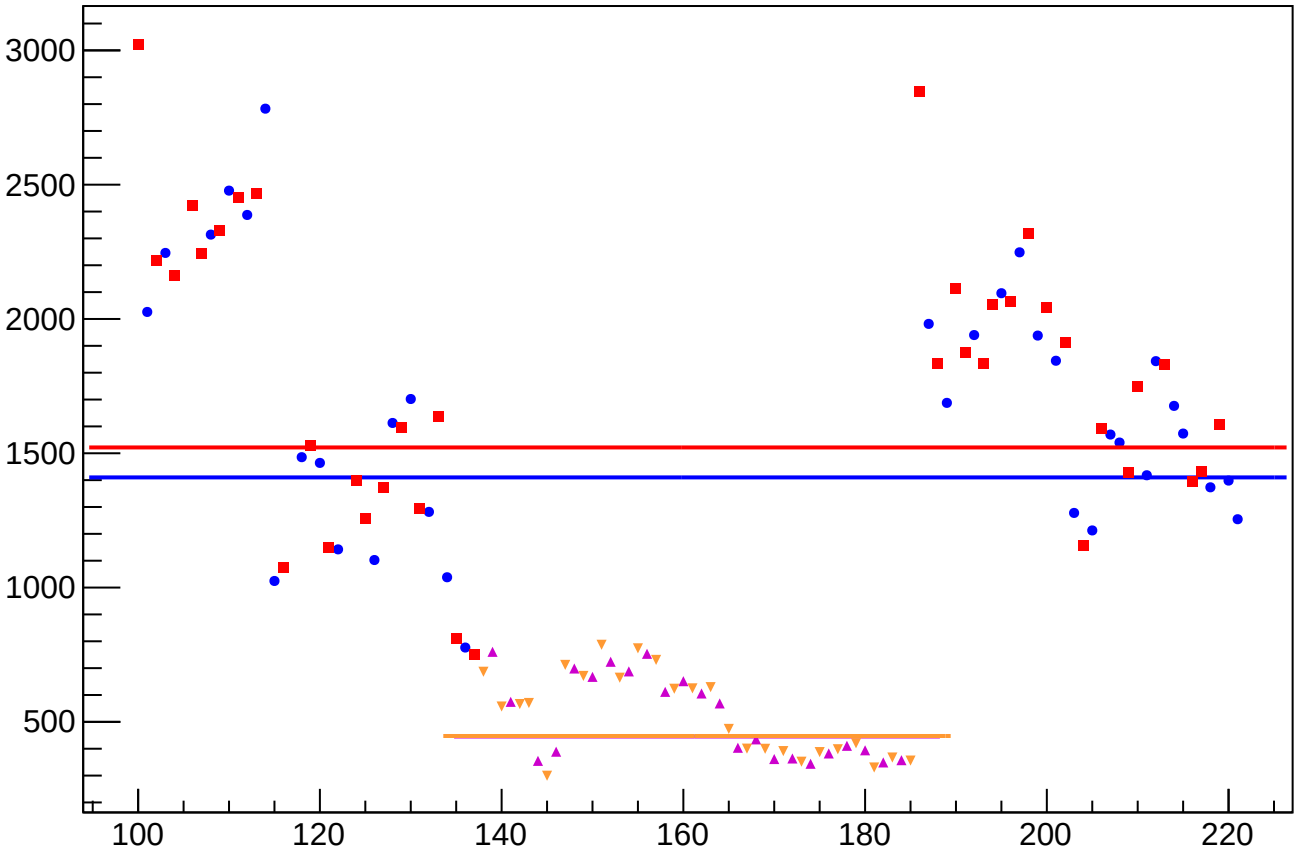
Right Out: -1115.318+/-343.151 χ^2/NDF: 37.8/36

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -419.625+/-100.756 χ^2/NDF: 108.5/58

All: -276.380+/-72.292 χ^2/NDF: 192.6/118

- sign -124.395+/-103.784 χ^2/NDF: 79.9/59



Right In: 1410.148+/-0.222 χ^2/NDF: 3369468.6/33

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504181.0/36

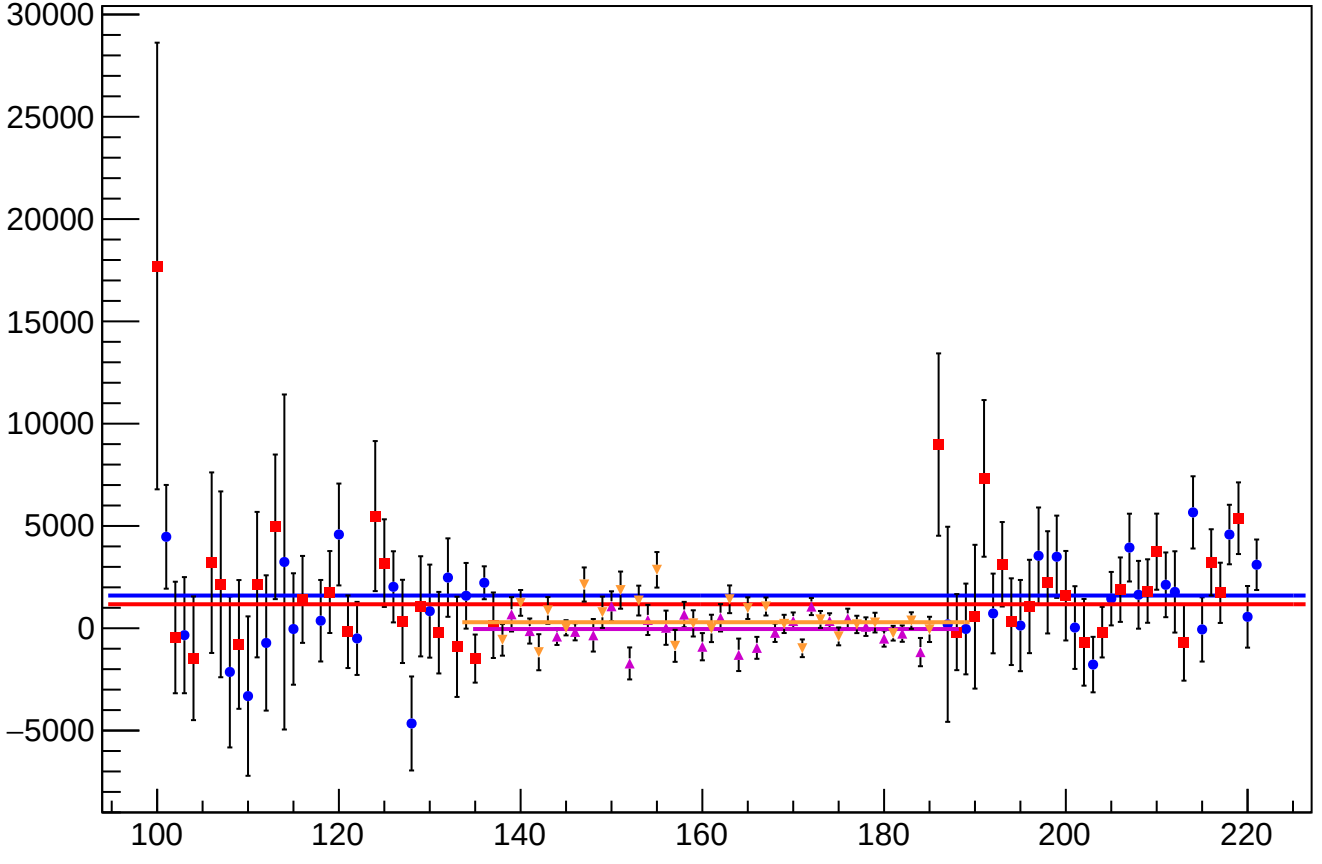
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 546.725+/-0.071 χ^2/NDF: 23465383.3/58

All: 545.370+/-0.051 χ^2/NDF: 47555626.2/11

- sign 543.933+/-0.073 χ^2/NDF: 24089497.6/59

asym_sam_26_avg_mean vs Slug



Right In: 1598.997+/-308.673 χ^2/NDF: 41.2/33

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 1173.079+/-341.367 χ^2/NDF: 35.4/36

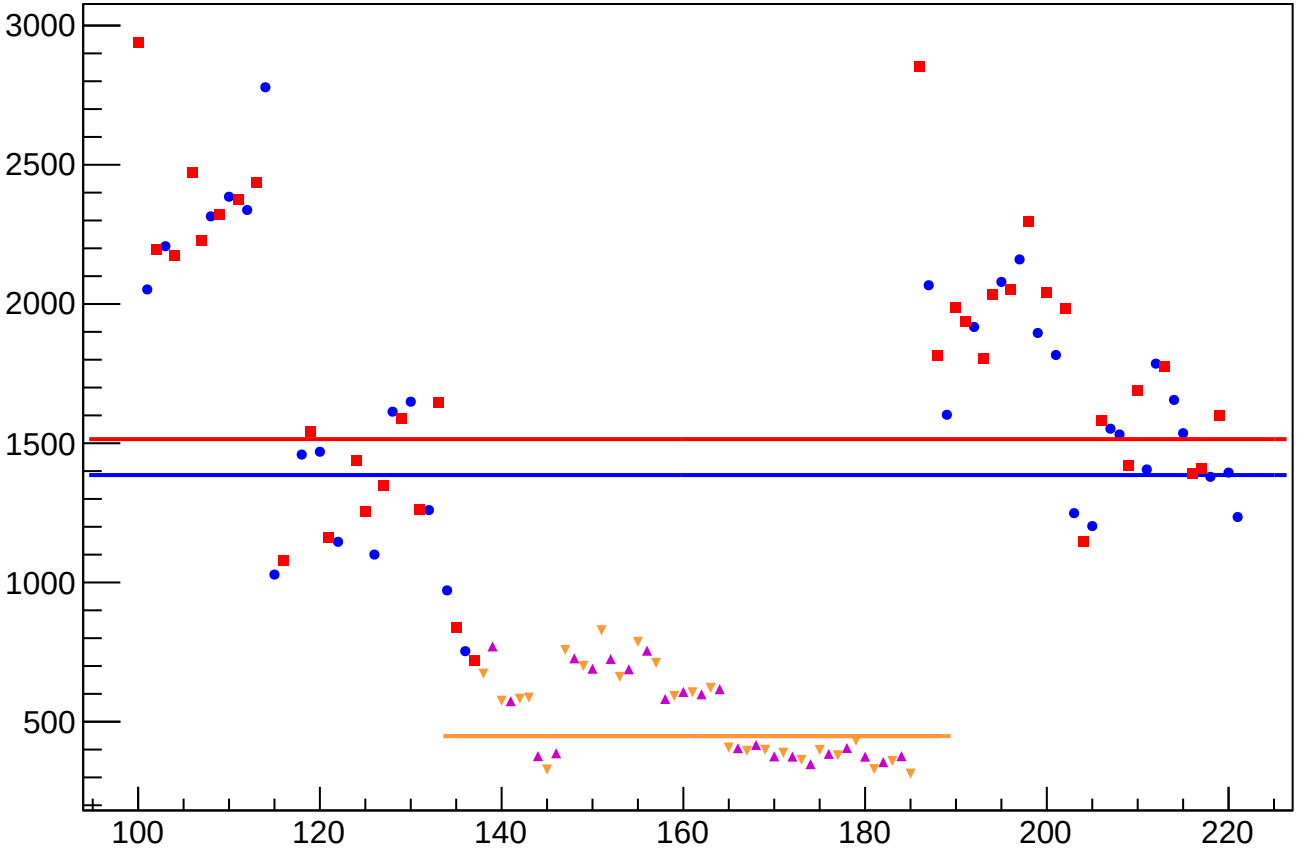
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 434.445+/-100.938 χ^2/NDF: 107.6/58

All: 260.057+/-72.469 χ^2/NDF: 193.5/118

- sign 74.544+/-104.108 χ^2/NDF: 79.7/59

asym_sam_26_avg_rms vs Slug



Right In: 1385.755+/-0.218 χ^2/NDF: 3449801.5/33

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

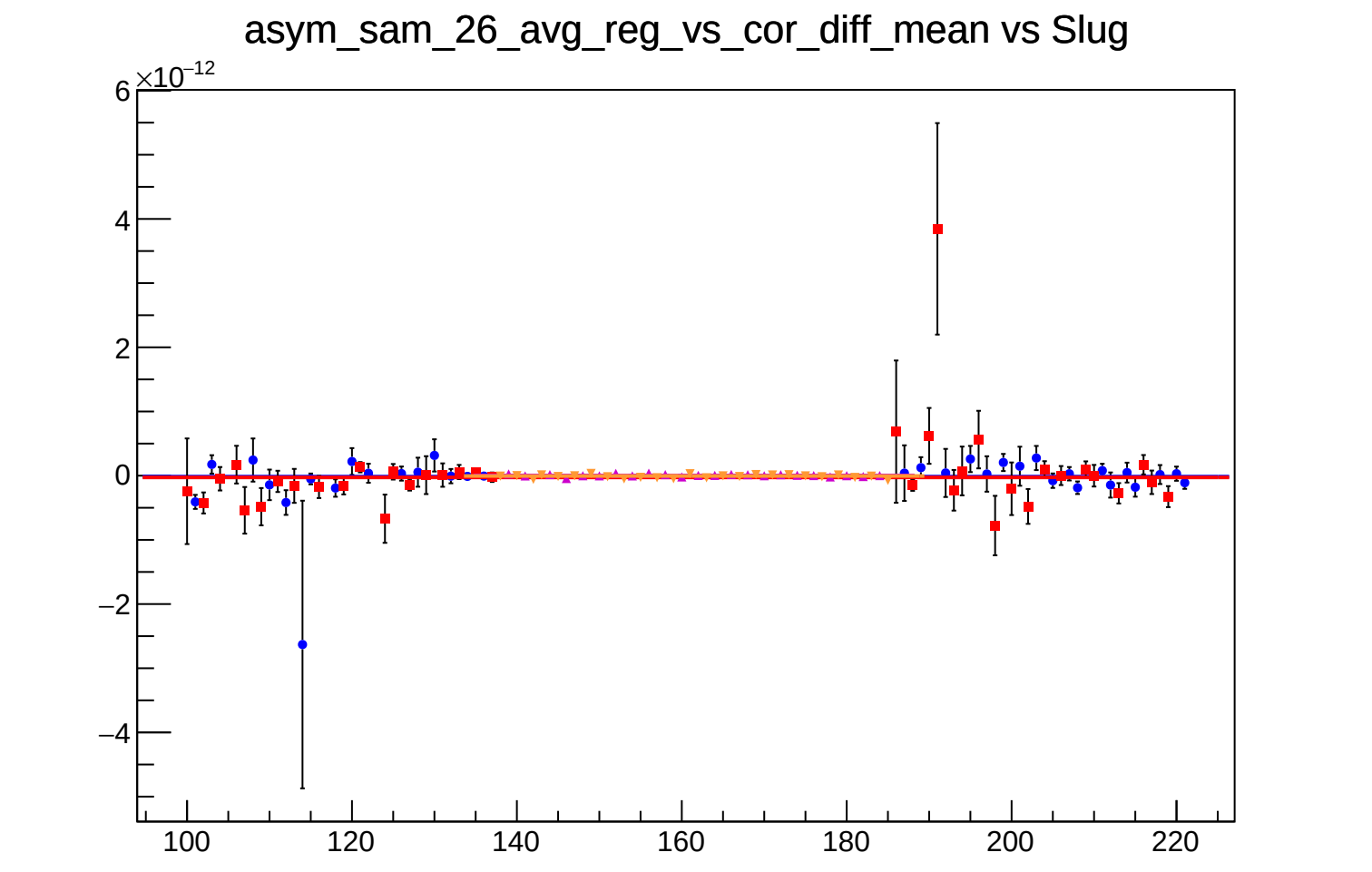
Right Out: 1514.806+/-0.241 χ^2/NDF: 3431858.9/36

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 548.525+/-0.071 χ^2/NDF: 23082155.3/58

All: 548.068+/-0.051 χ^2/NDF: 46837421.2/11

- sign 547.582+/-0.074 χ^2/NDF: 23755181.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

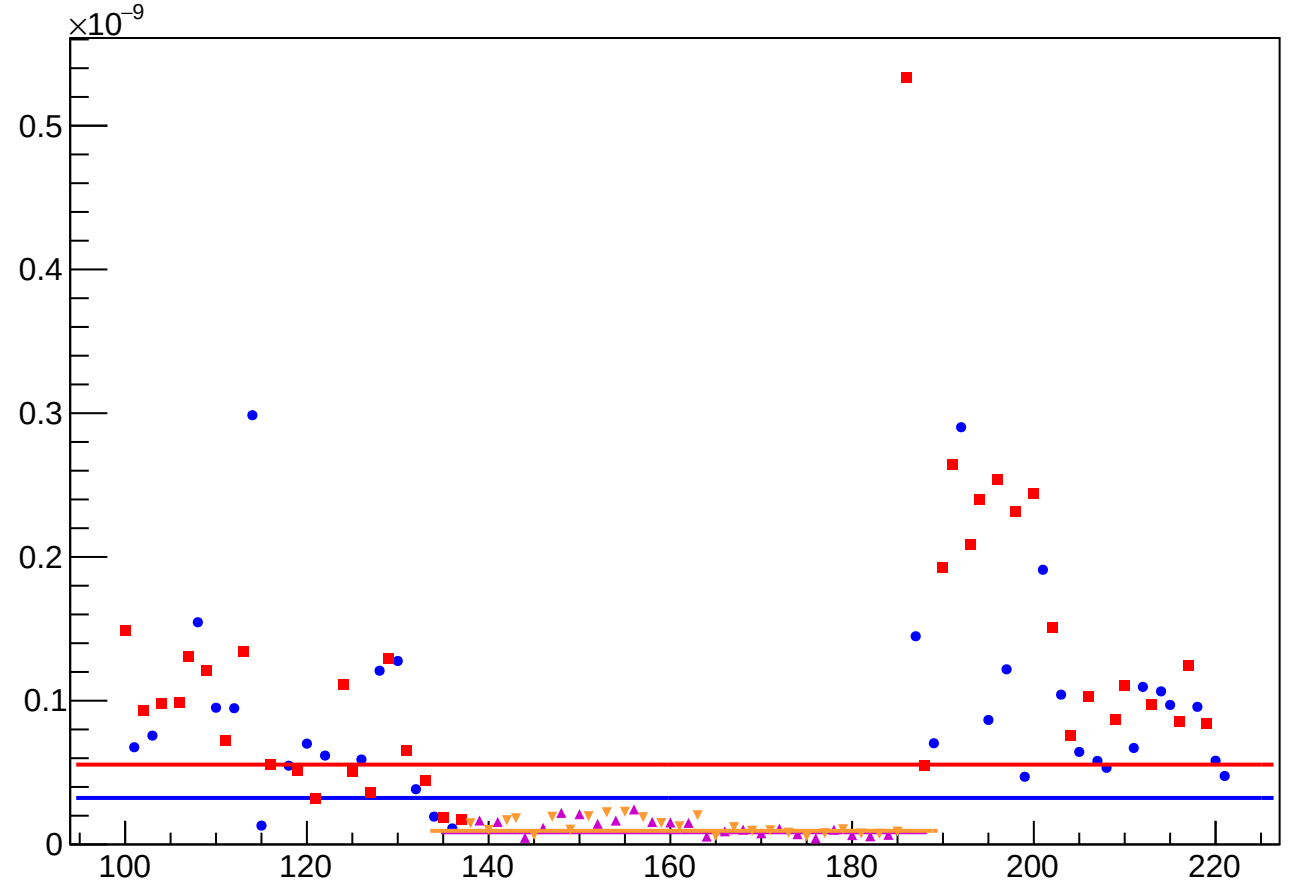
Right Out: -0.000+/-0.000 χ^2/NDF: 53.1/36

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.8/58

All: -0.000+/-0.000 χ^2/NDF: 139.8/118

- sign 0.000+/-0.000 χ^2/NDF: 71.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 8873330.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6843317.1/36

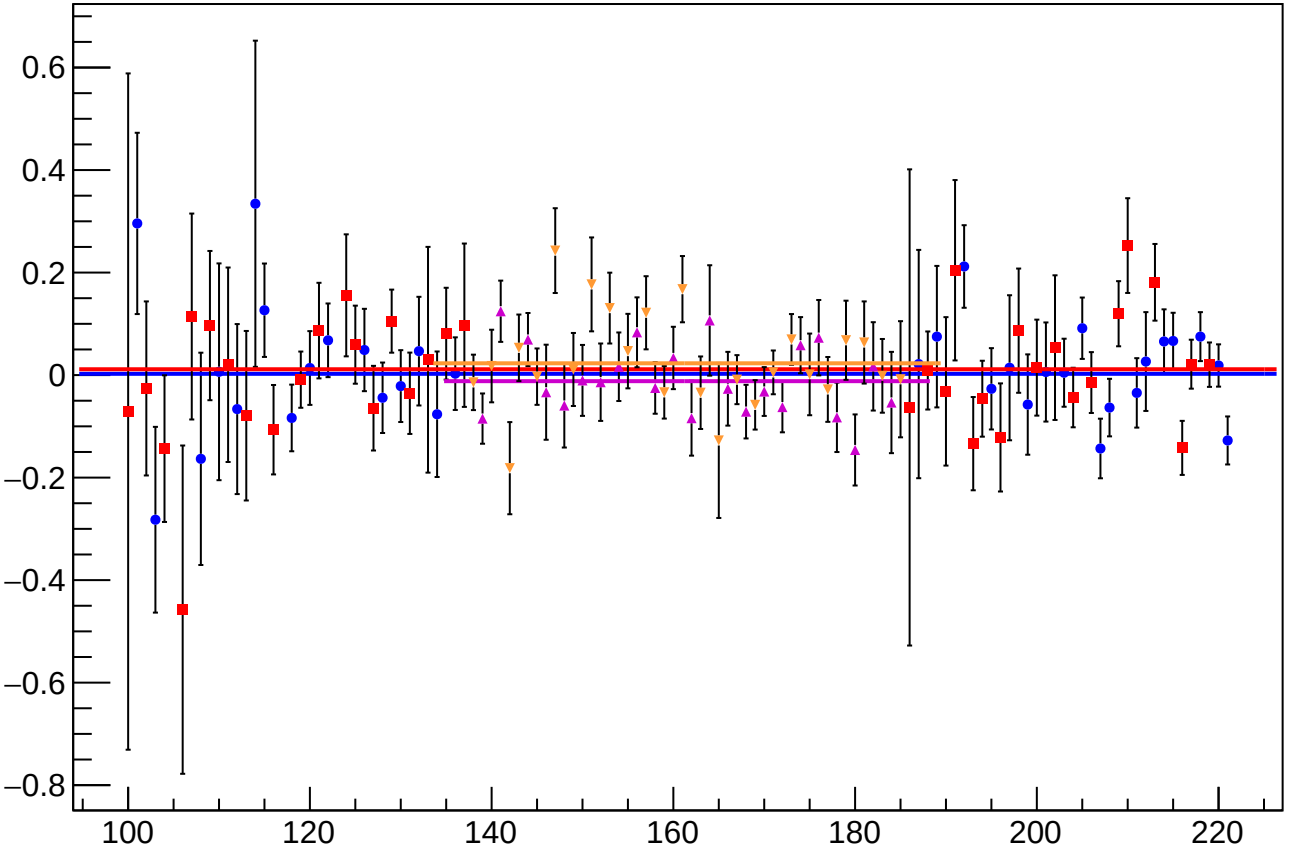
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15281733.9/58

All: 0.000+/-0.000 χ^2/NDF: 32924729.7/118

- sign 0.000+/-0.000 χ^2/NDF: 17551912.0/59

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

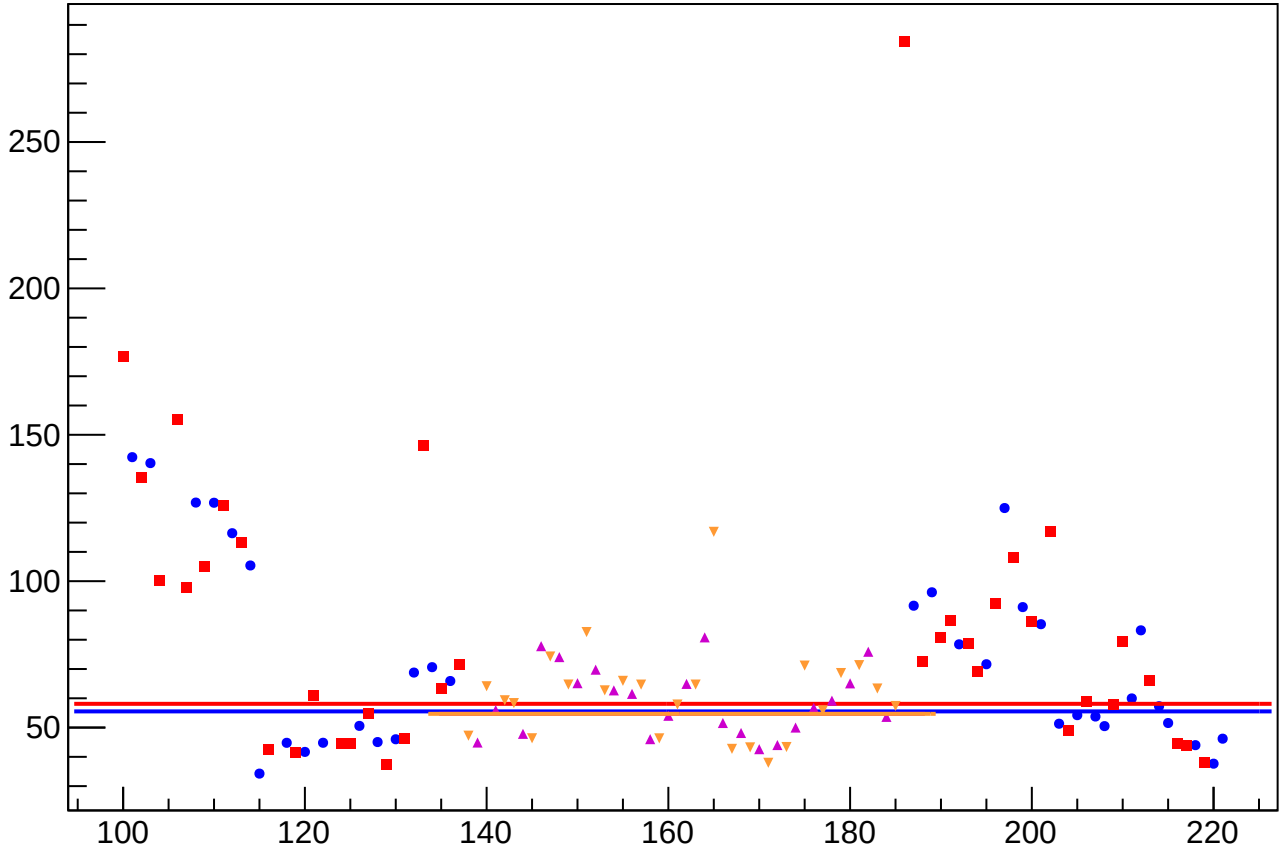
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 151.5/118

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.524+/-0.009 χ^2/NDF: 4370642.4/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

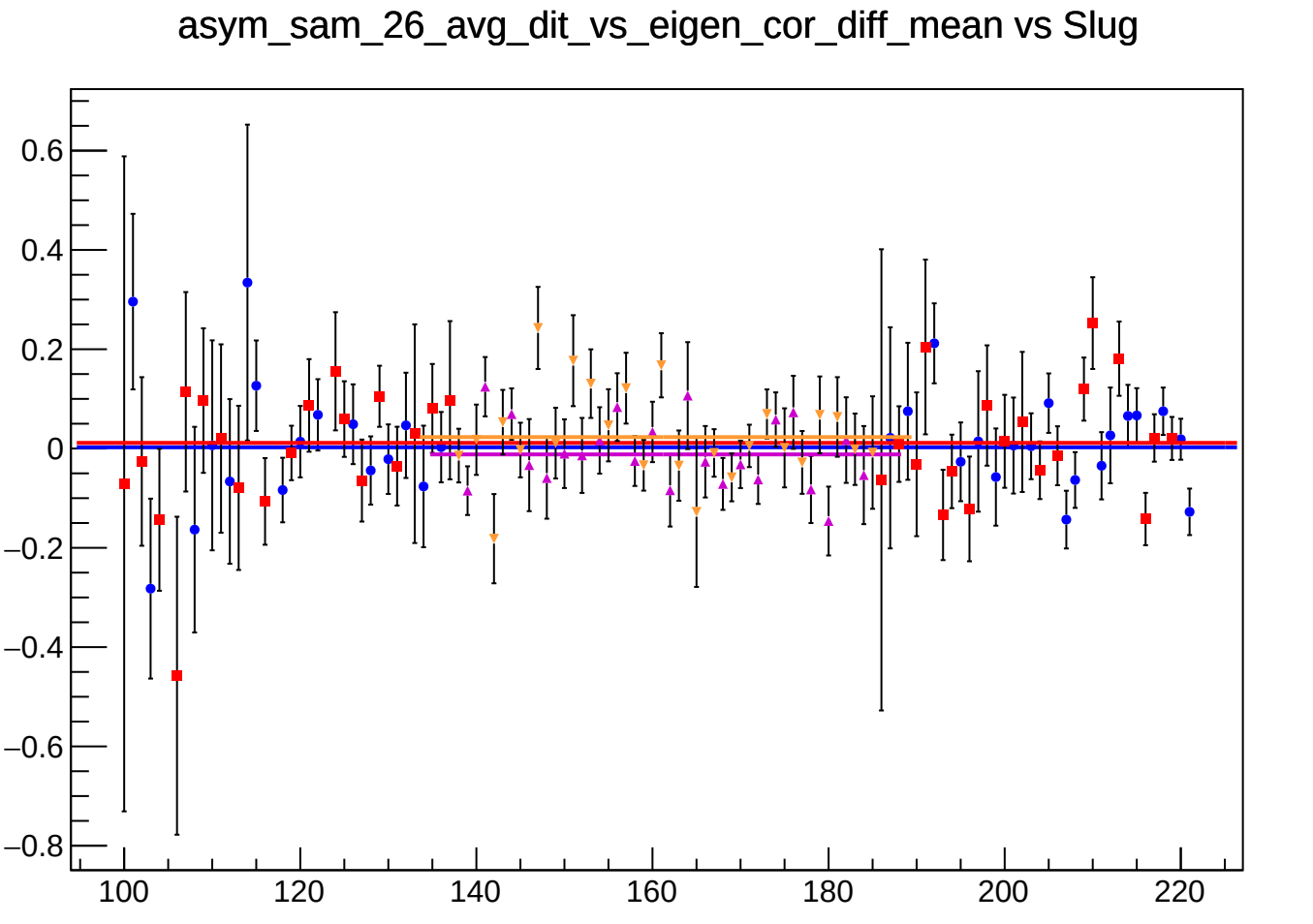
Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311401.3/58

All: 55.679+/-0.005 χ^2/NDF: 12925610.6/118

- sign 56.312+/-0.007 χ^2/NDF: 6597630.7/59



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

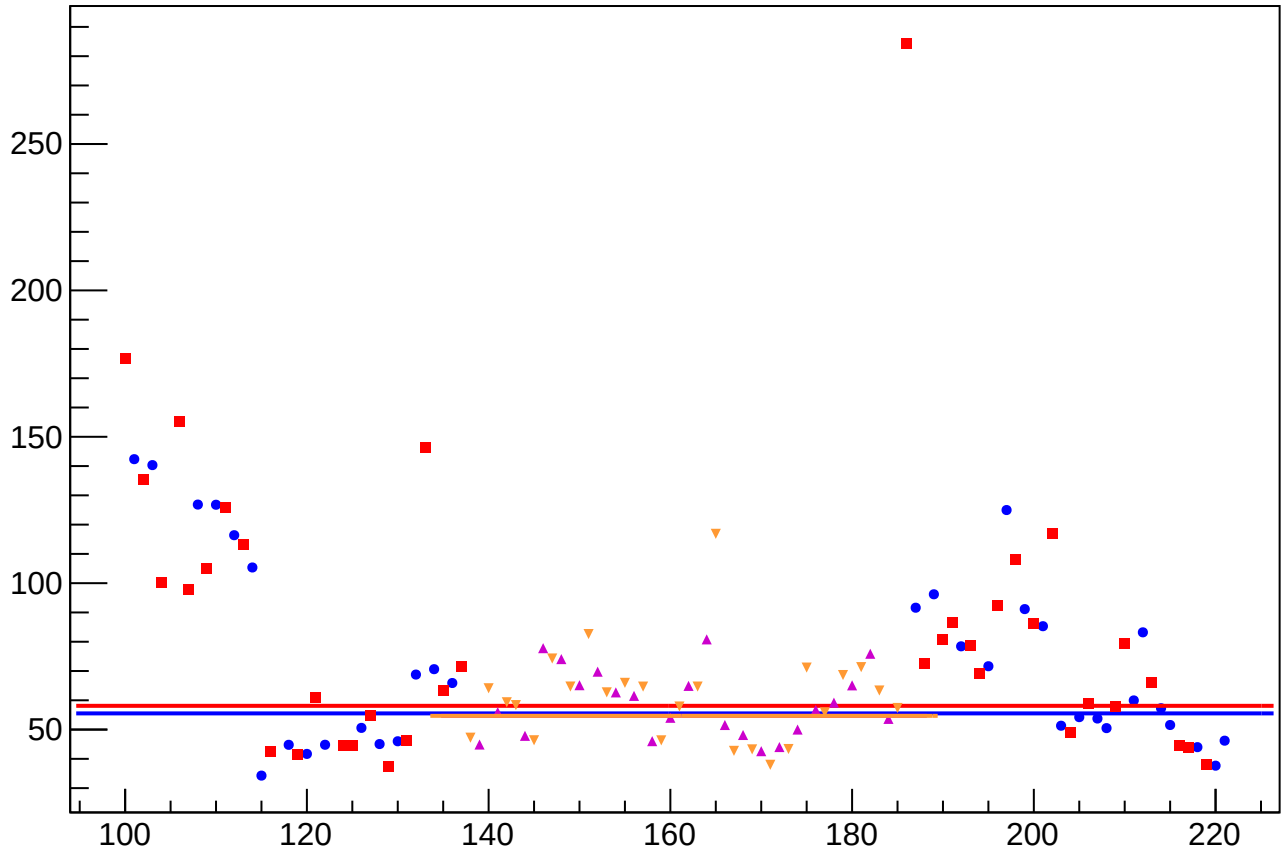
Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 151.5/118

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59



Right In: 55.524+/-0.009 χ^2/NDF: 4370642.4/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

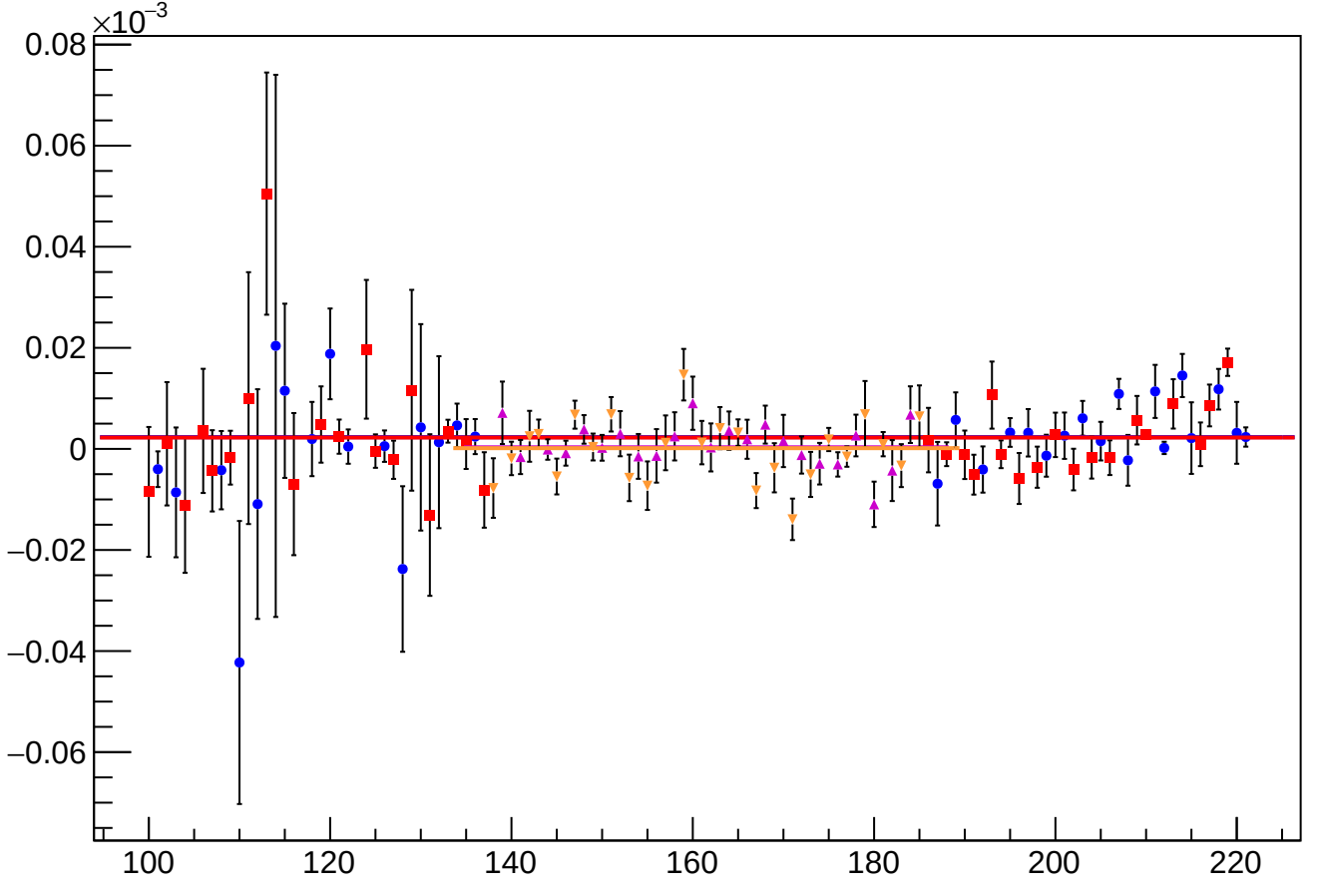
Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 55.105+/-0.006 χ^2/NDF: 6311401.3/58

All: 55.679+/-0.005 χ^2/NDF: 12925610.6/118

\- sign 56.312+/-0.007 χ^2/NDF: 6597630.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

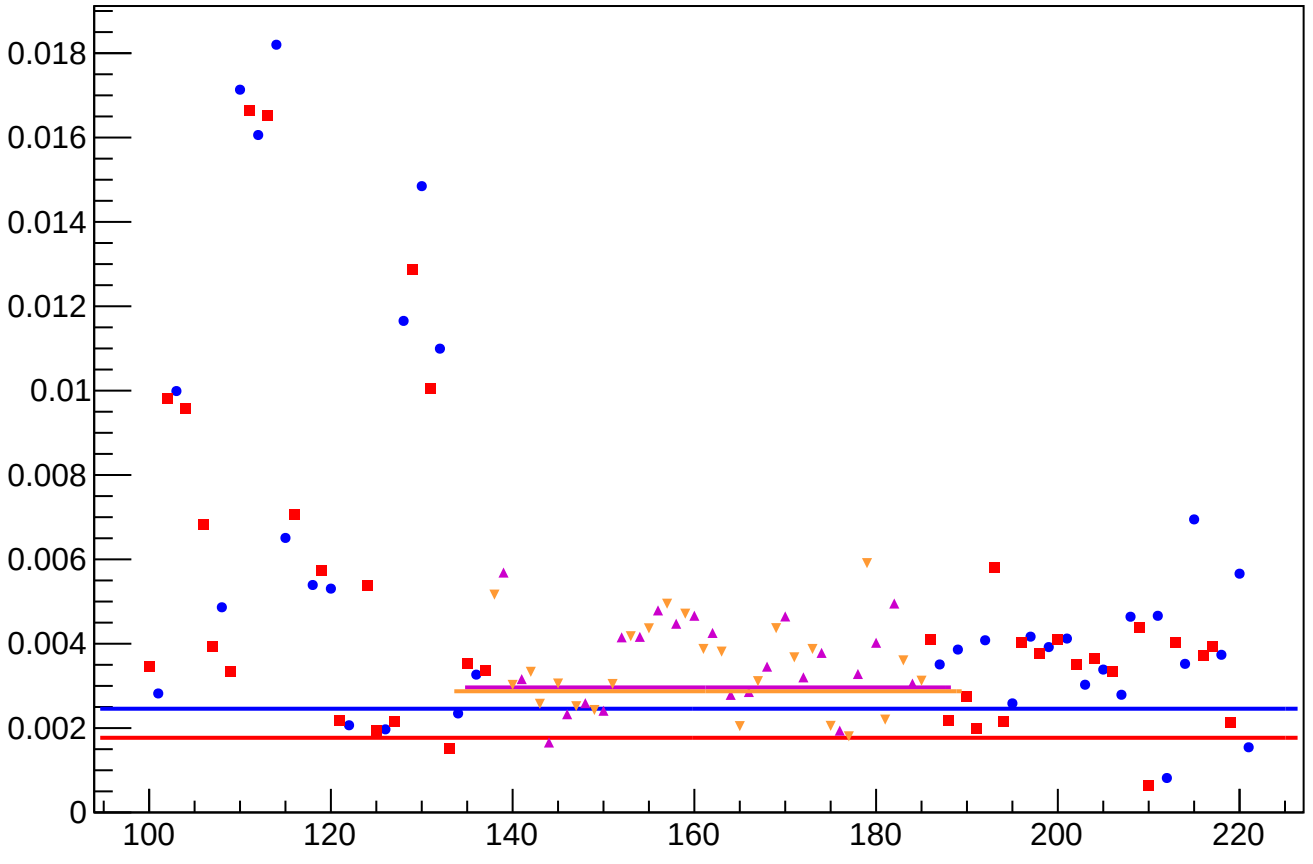
Right Out: 0.000+/-0.000 χ^2/NDF: 68.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 108.4/58

All: 0.000+/-0.000 χ^2/NDF: 202.6/118

- sign 0.000+/-0.000 χ^2/NDF: 94.0/59



Right In: 0.002+/-0.000 χ^2/NDF: 12940807.0/33

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

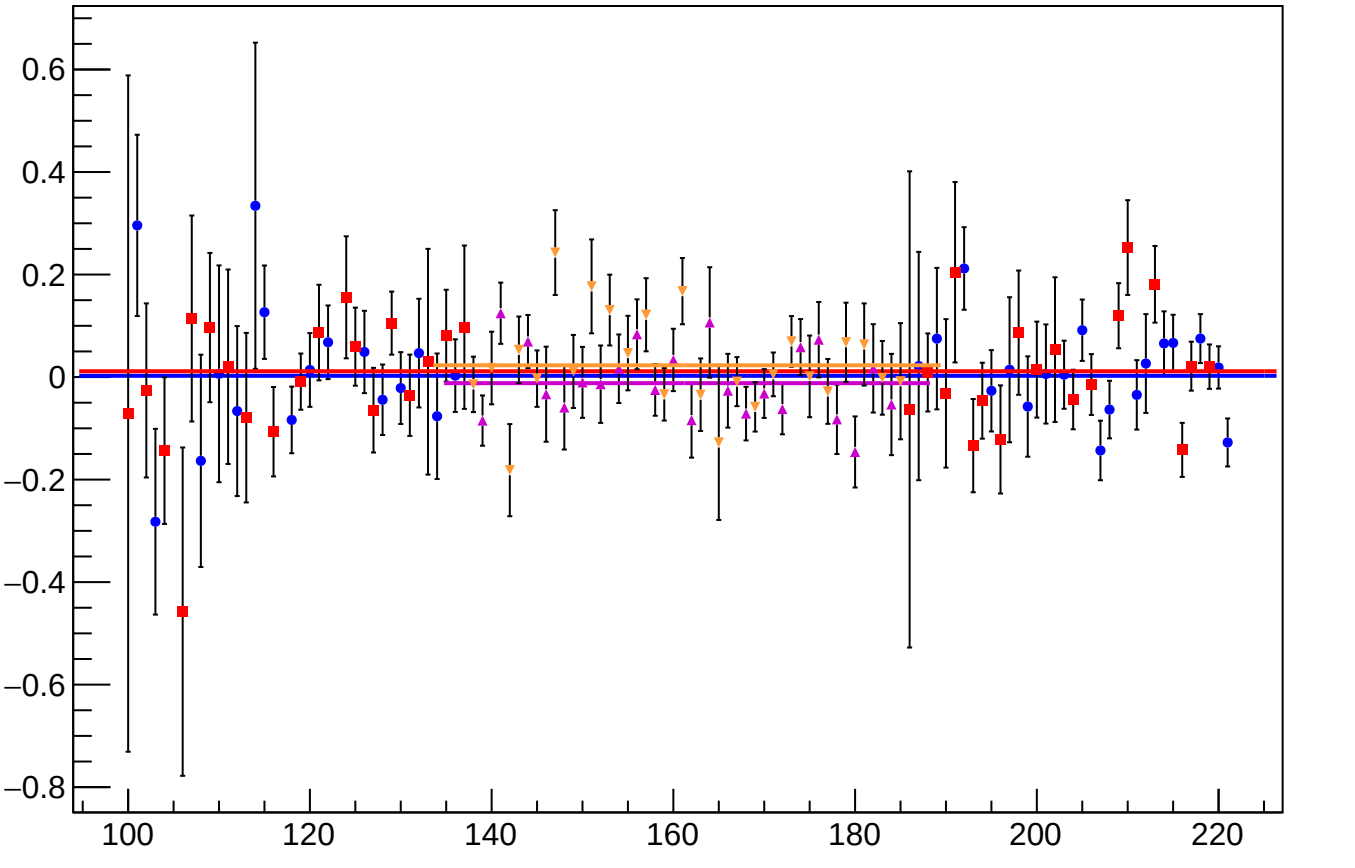
Right Out: 0.002+/-0.000 χ^2/NDF: 16794861.6/36

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 16918795.1/58

All: 0.002+/-0.000 χ^2/NDF: 41909648.8/118

- sign 0.002+/-0.000 χ^2/NDF: 23817169.7/59



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

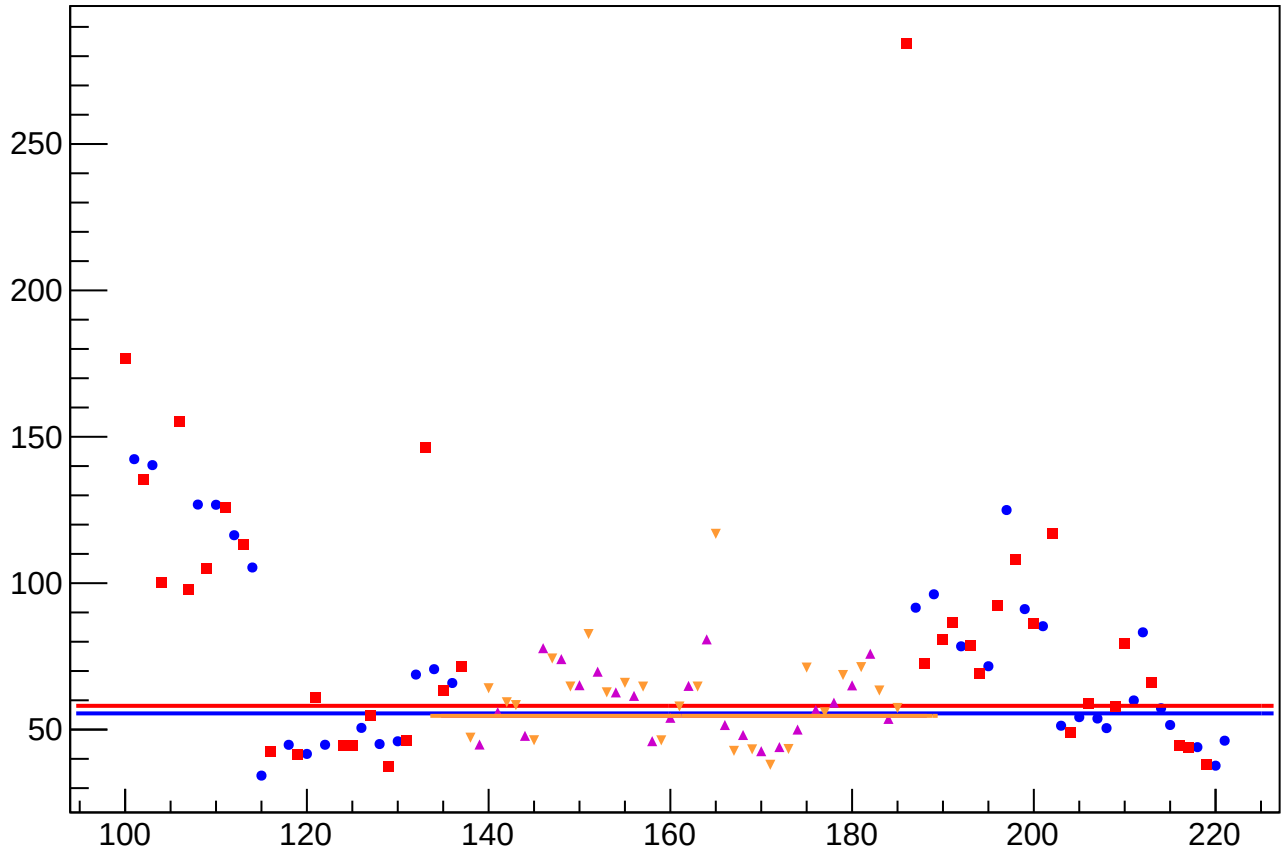
Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 151.5/118

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59



Right In: 55.523+/-0.009 χ^2/NDF: 4370677.9/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

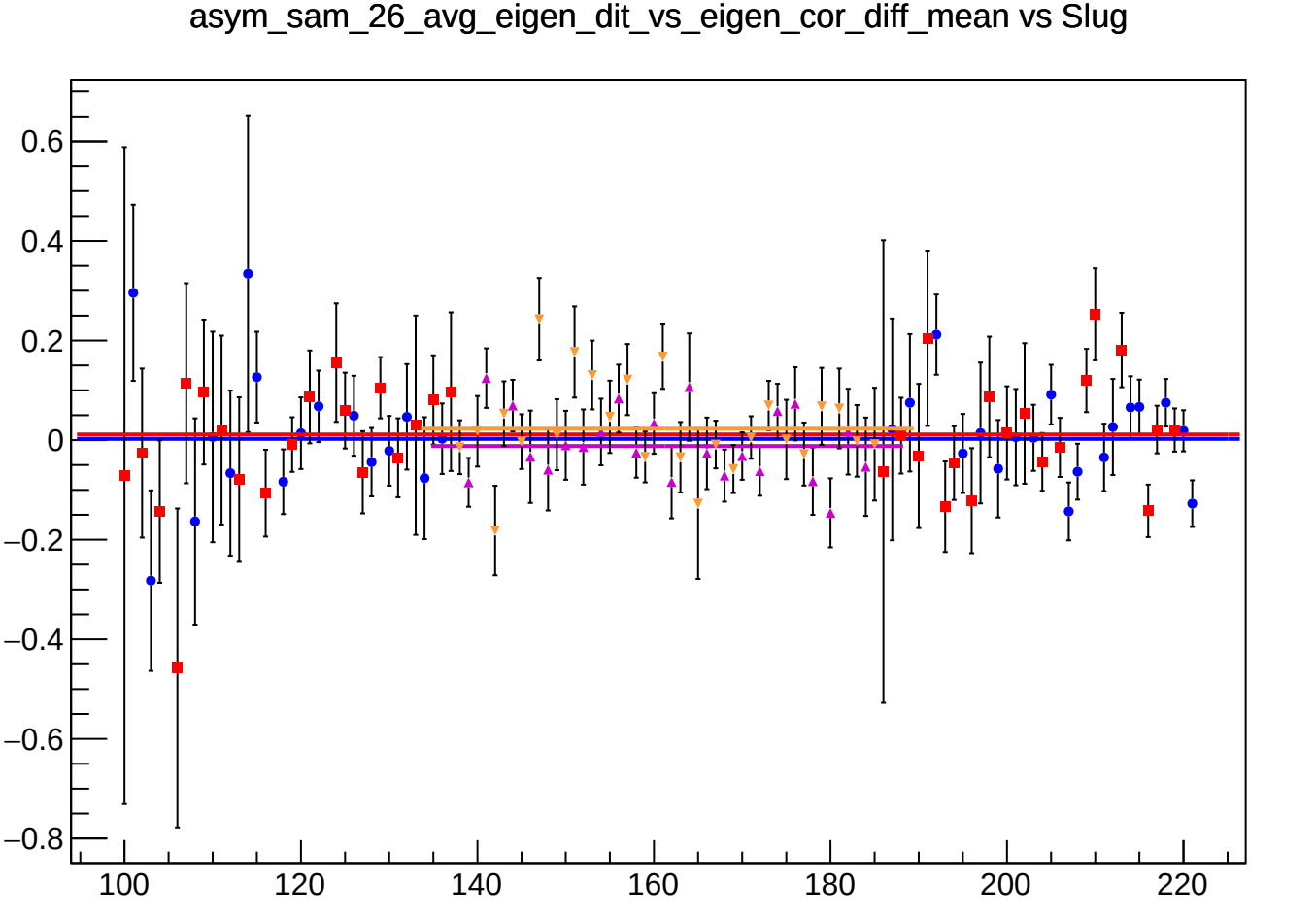
Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311424.5/58

All: 55.679+/-0.005 χ^2/NDF: 12925632.5/118

- sign 56.312+/-0.007 χ^2/NDF: 6597628.3/59



Right In: 0.002+/-0.013 χ^2/NDF: 43.4/33

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

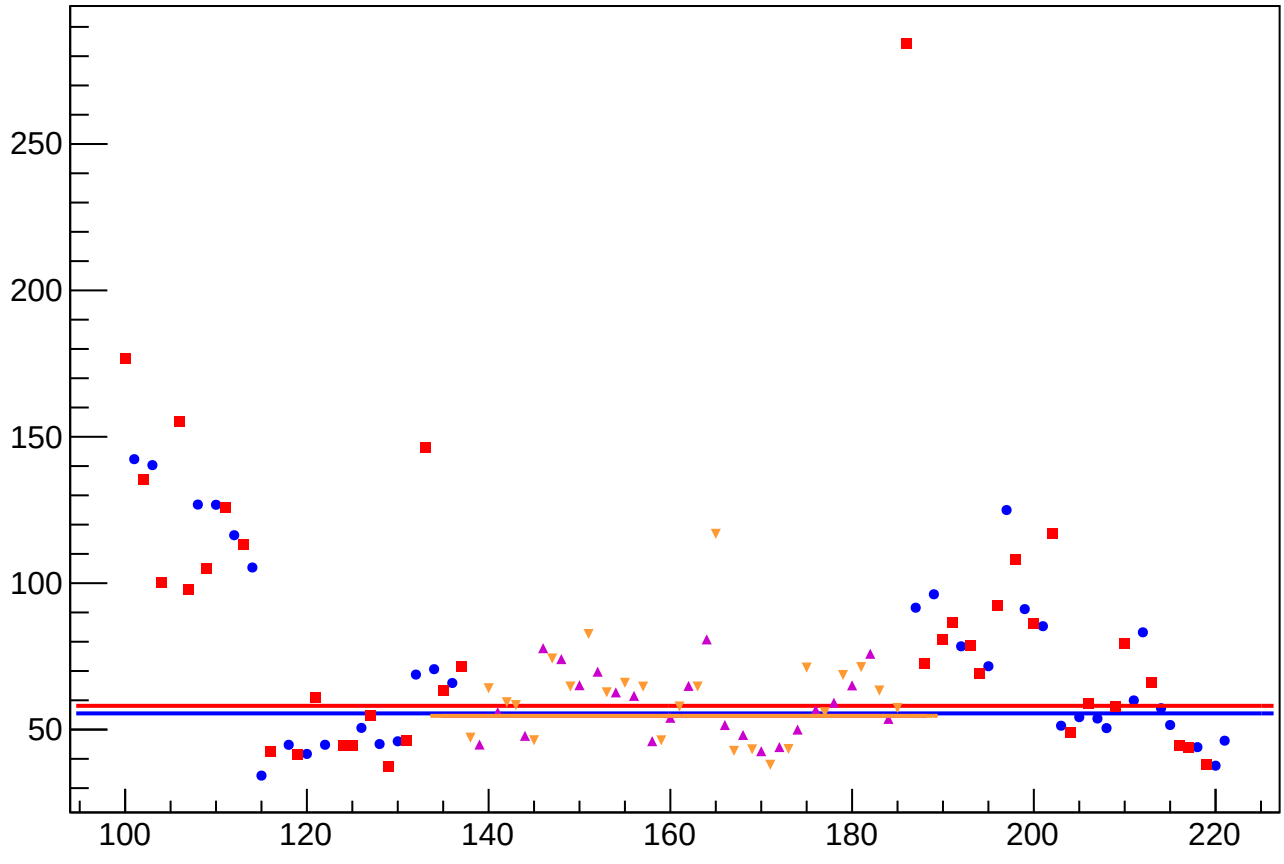
Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.013+/-0.009 χ^2/NDF: 78.9/58

All: 0.006+/-0.007 χ^2/NDF: 151.5/118

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59



Right In: 55.523+/-0.009 χ^2/NDF: 4370677.9/33

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

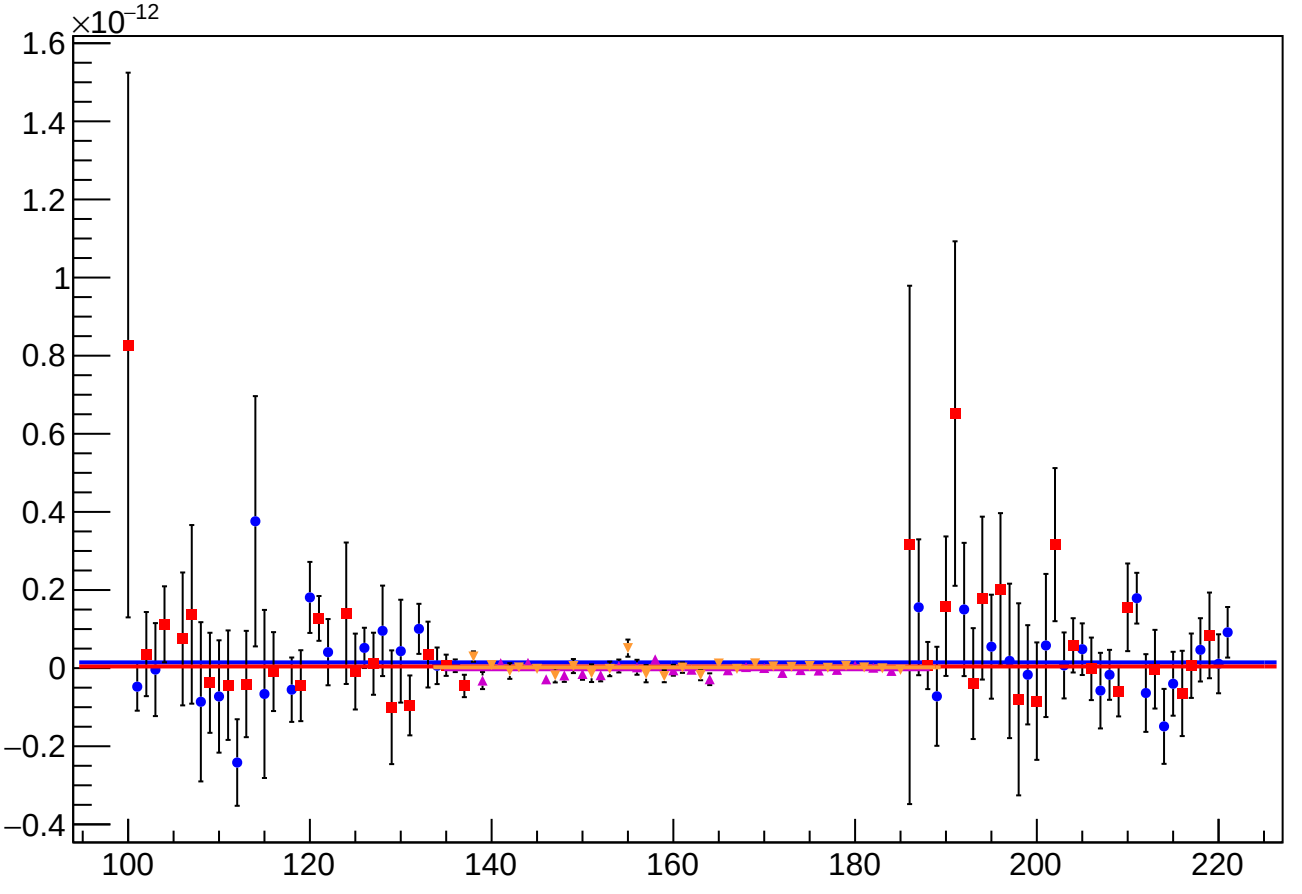
Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.105+/-0.006 χ^2/NDF: 6311424.5/58

All: 55.679+/-0.005 χ^2/NDF: 12925632.5/118

- sign 56.312+/-0.007 χ^2/NDF: 6597628.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

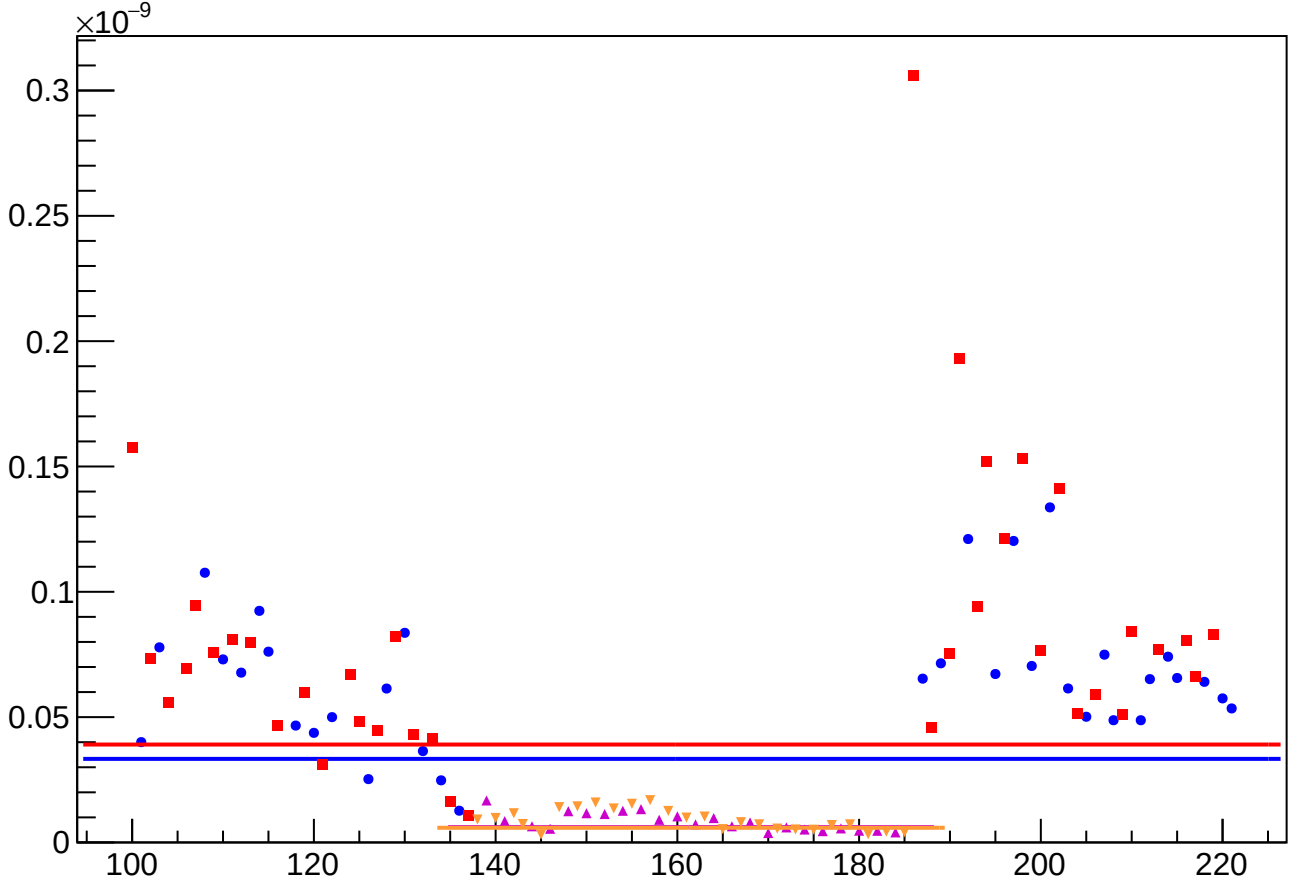
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/58

All: -0.000+/-0.000 χ^2/NDF: 116.7/118

- sign -0.000+/-0.000 χ^2/NDF: 60.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 9585388.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9505834.6/36

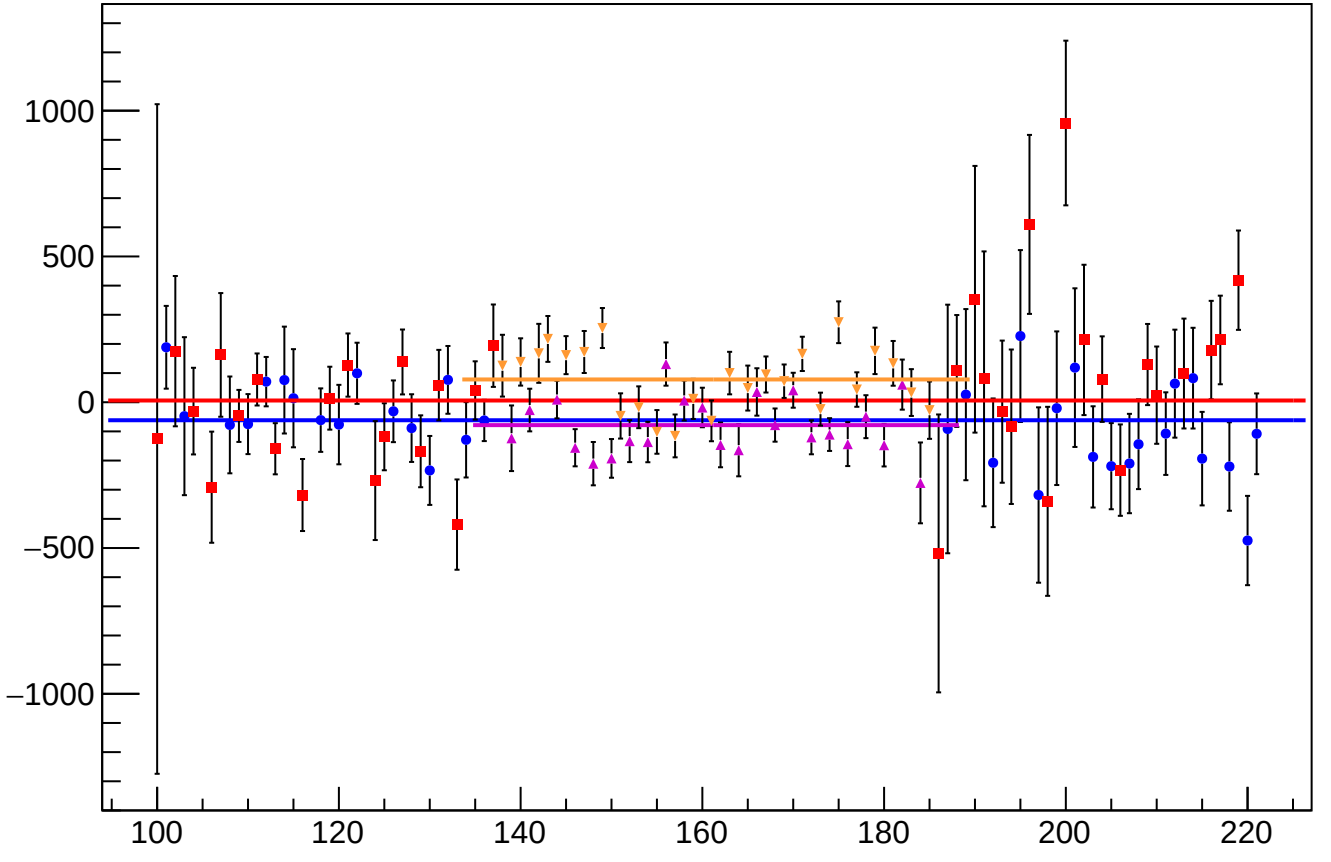
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27091839.4/58

All: 0.000+/-0.000 χ^2/NDF: 52152902.5/118

- sign 0.000+/-0.000 χ^2/NDF: 25048854.7/59

reg_asym_sam_37_avg_mean vs Slug



Right In: -61.750+/-24.045 χ^2/NDF: 28.5/33

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 5.983+/-24.461 χ^2/NDF: 63.9/36

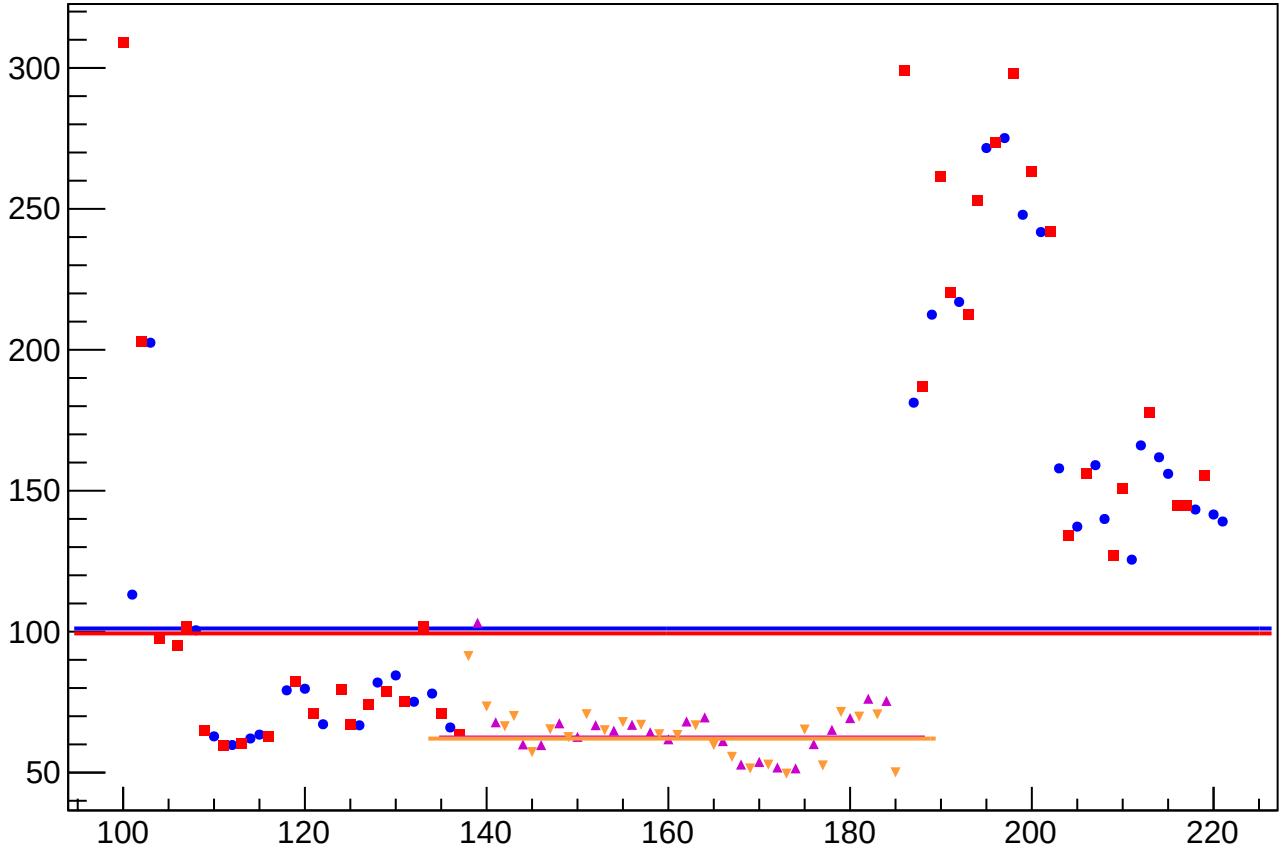
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 41.507+/-12.307 χ^2/NDF: 107.3/58

All: -5.753+/-8.828 χ^2/NDF: 247.0/118

- sign -55.840+/-12.670 χ^2/NDF: 109.3/59

reg_asym_sam_37_avg_rms vs Slug



Right In: 101.124+/-0.017 χ^2/NDF: 7867676.4/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.386+/-0.017 χ^2/NDF: 9029995.2/36

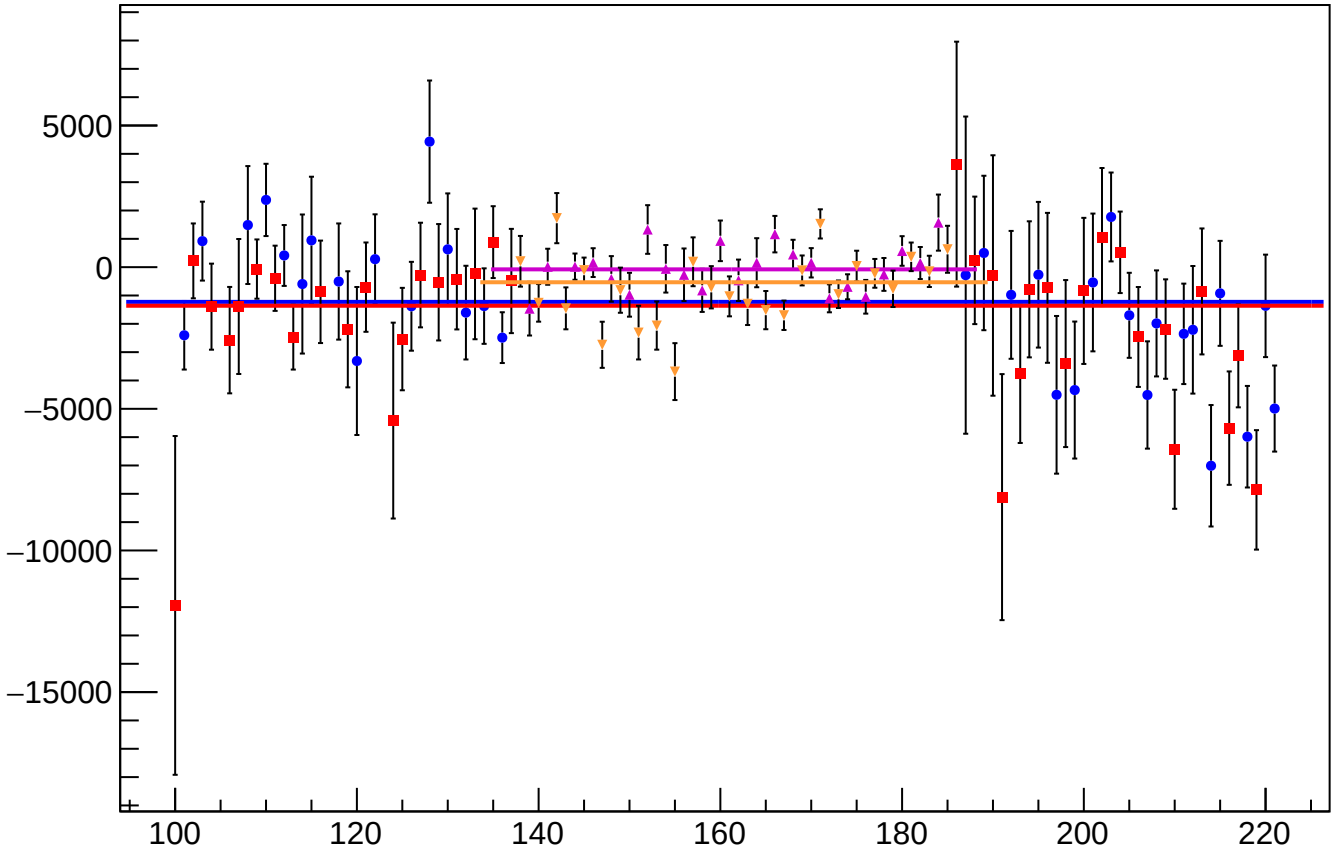
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 72.296+/-0.009 χ^2/NDF: 12449705.7/58

All: 72.325+/-0.006 χ^2/NDF: 25481919.3/118

- sign 72.355+/-0.009 χ^2/NDF: 13032190.8/59

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -1224.961+/-293.830 χ^2/NDF: 59.5/33

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -1361.830+/-303.844 χ^2/NDF: 45.0/36

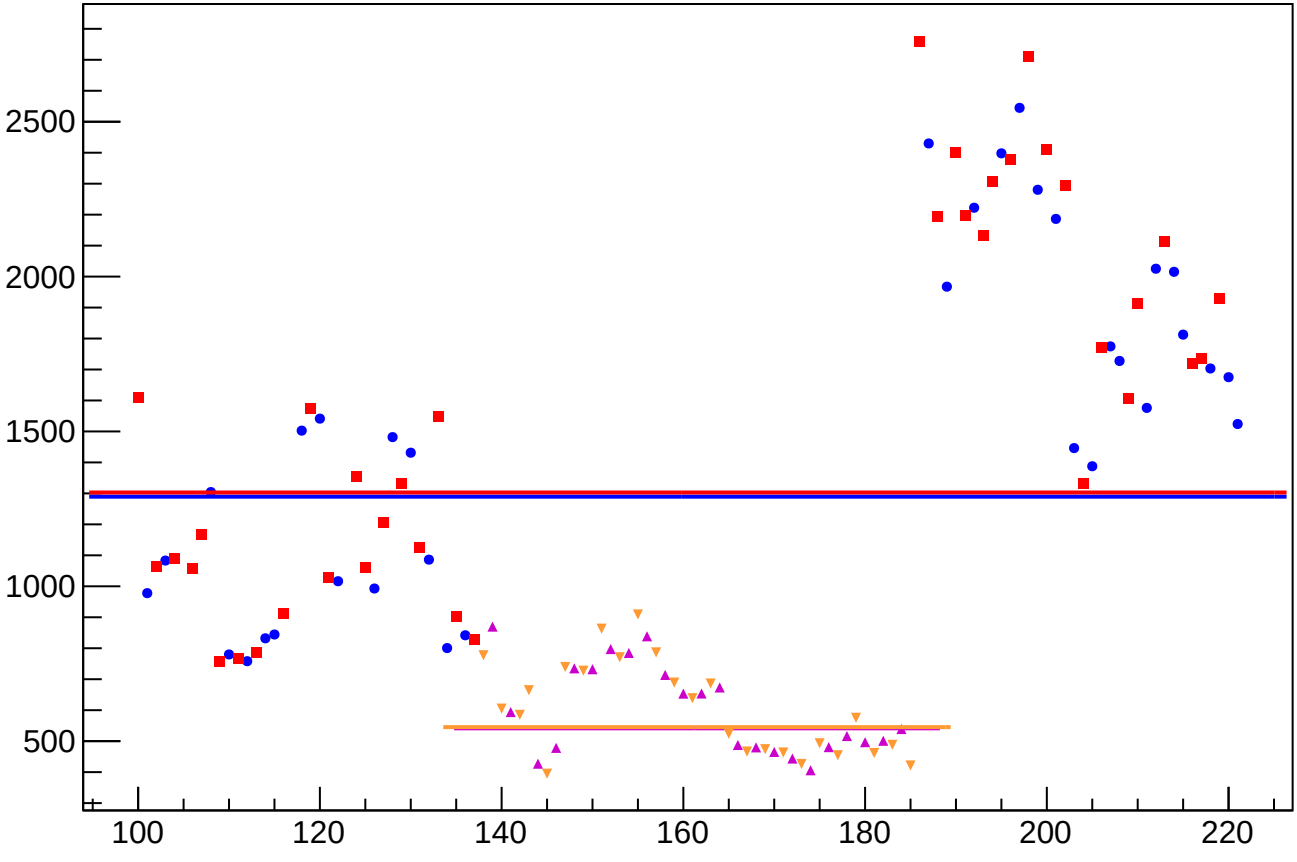
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -643.076+/-117.292 χ^2/NDF: 133.3/58

All: -463.837+/-83.799 χ^2/NDF: 226.5/118

- sign -276.956+/-119.766 χ^2/NDF: 88.5/59

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1289.453+/-0.208 χ^2/NDF: 5233127.7/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1302.917+/-0.215 χ^2/NDF: 5979414.4/36

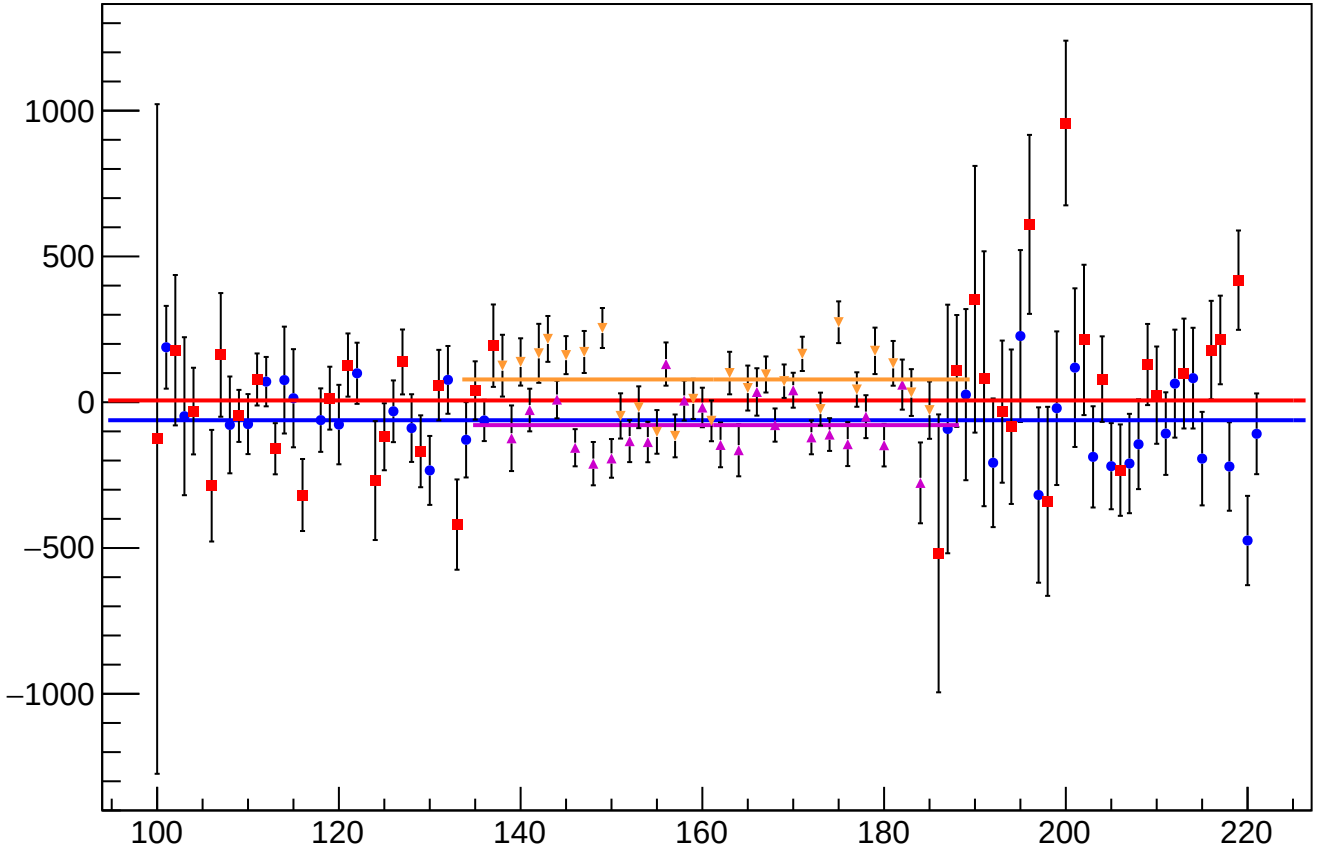
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 663.883+/-0.083 χ^2/NDF: 18100688.5/58

All: 661.867+/-0.059 χ^2/NDF: 36530966.1/11

- sign 659.766+/-0.085 χ^2/NDF: 18429071.4/59

cor_asym_sam_37_avg_mean vs Slug



Right In: -61.757+/-24.045 χ^2/NDF: 28.4/33

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 6.136+/-24.463 χ^2/NDF: 63.8/36

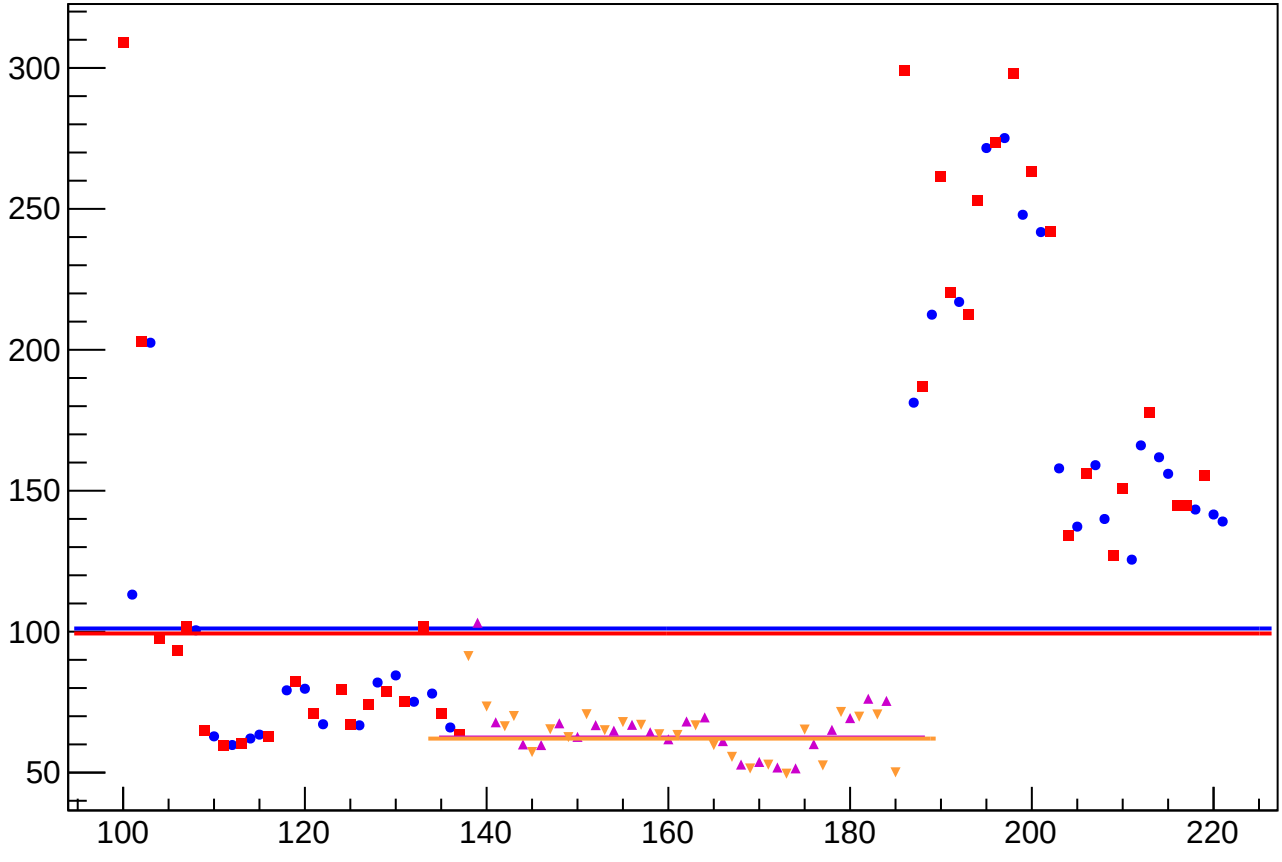
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 41.507+/-12.307 χ^2/NDF: 107.3/58

All: -5.733+/-8.828 χ^2/NDF: 246.9/118

- sign -55.802+/-12.670 χ^2/NDF: 109.2/59

cor_asym_sam_37_avg_rms vs Slug



Right In: 101.124+/-0.017 χ^2/NDF: 7867678.9/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

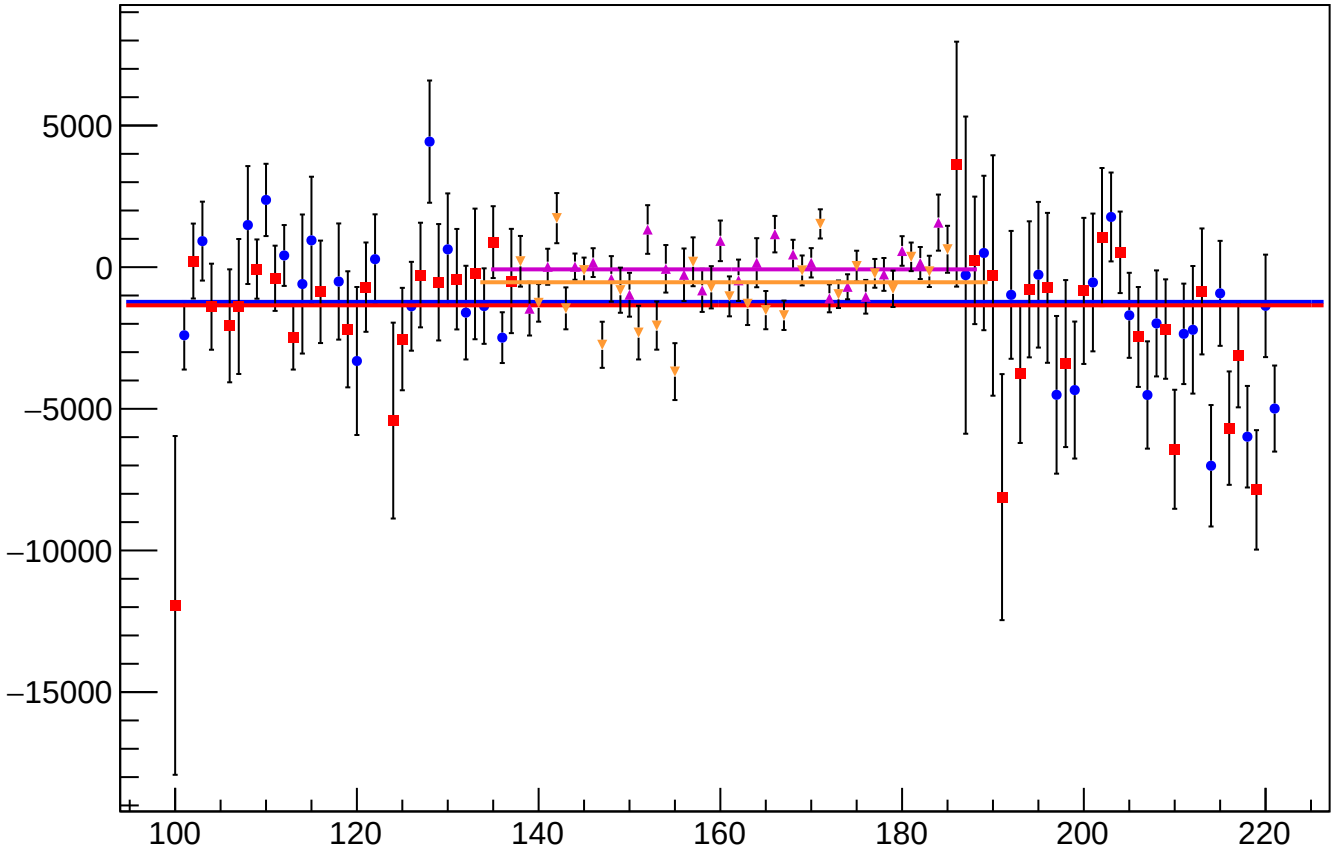
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 72.296+/-0.009 χ^2/NDF: 12449707.6/58

All: 72.321+/-0.006 χ^2/NDF: 25477830.7/118

- sign 72.347+/-0.009 χ^2/NDF: 13028106.2/59

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -1224.960+/-293.831 χ^2/NDF: 59.5/33

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

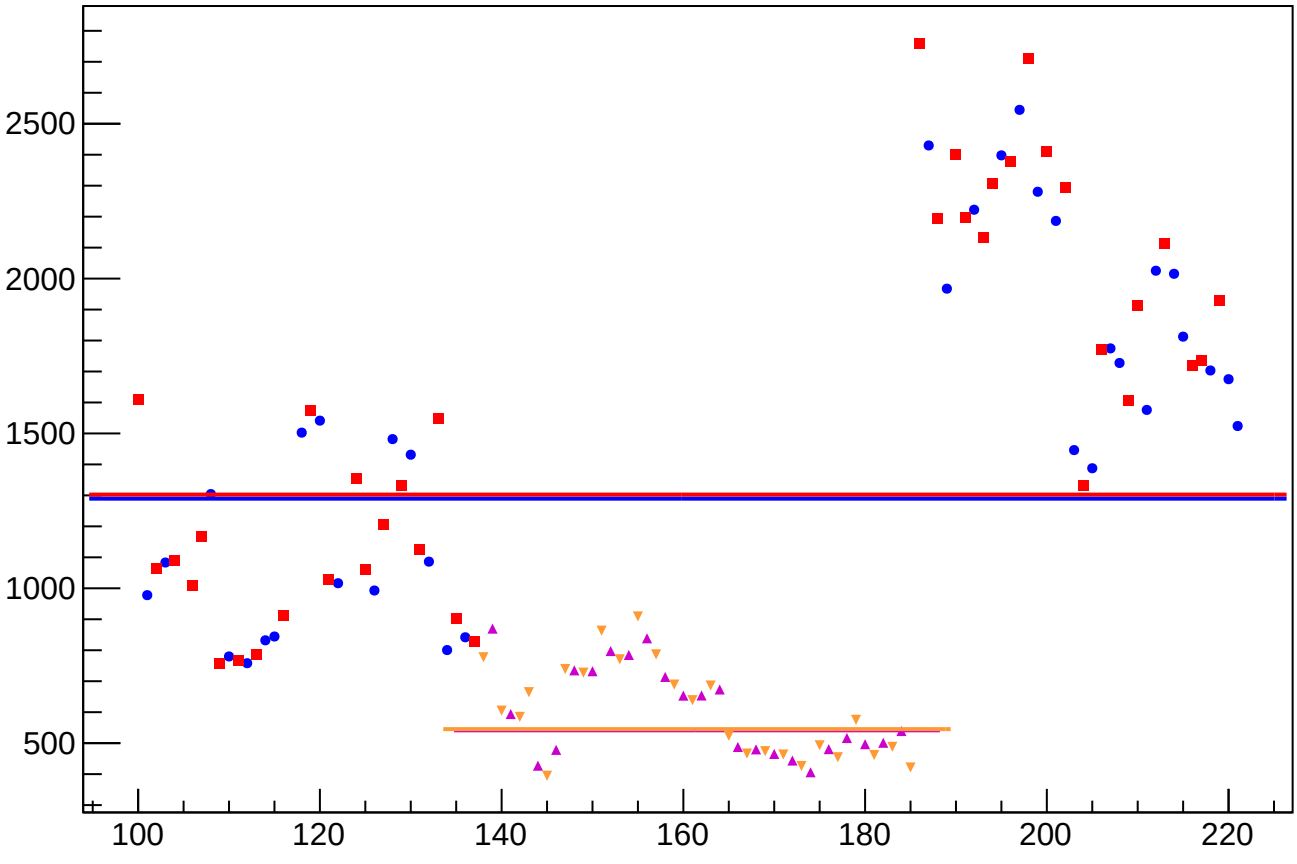
Right Out: -1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -643.073+/-117.292 χ^2/NDF: 133.3/58

All: -462.499+/-83.809 χ^2/NDF: 225.9/118

- sign -274.137+/-119.795 χ^2/NDF: 87.8/59



Right In: 1289.460+/-0.208 χ^2/NDF: 5233079.3/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

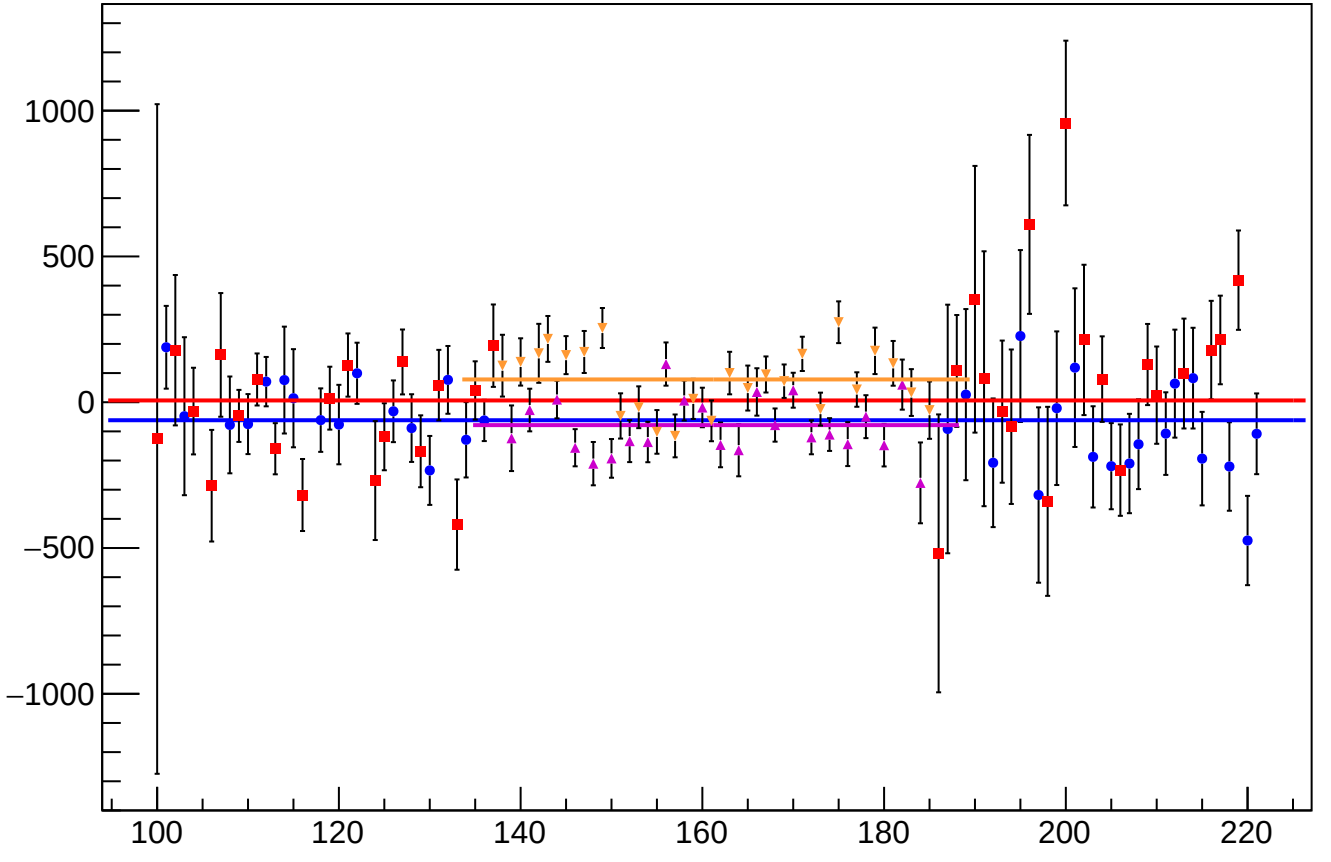
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 663.883+/-0.083 χ^2/NDF: 18100745.3/58

All: 661.694+/-0.059 χ^2/NDF: 36503405.7/11

- sign 659.410+/-0.085 χ^2/NDF: 18401237.2/59

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -61.757+/-24.045 χ^2/NDF: 28.4/33

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 6.136+/-24.463 χ^2/NDF: 63.8/36

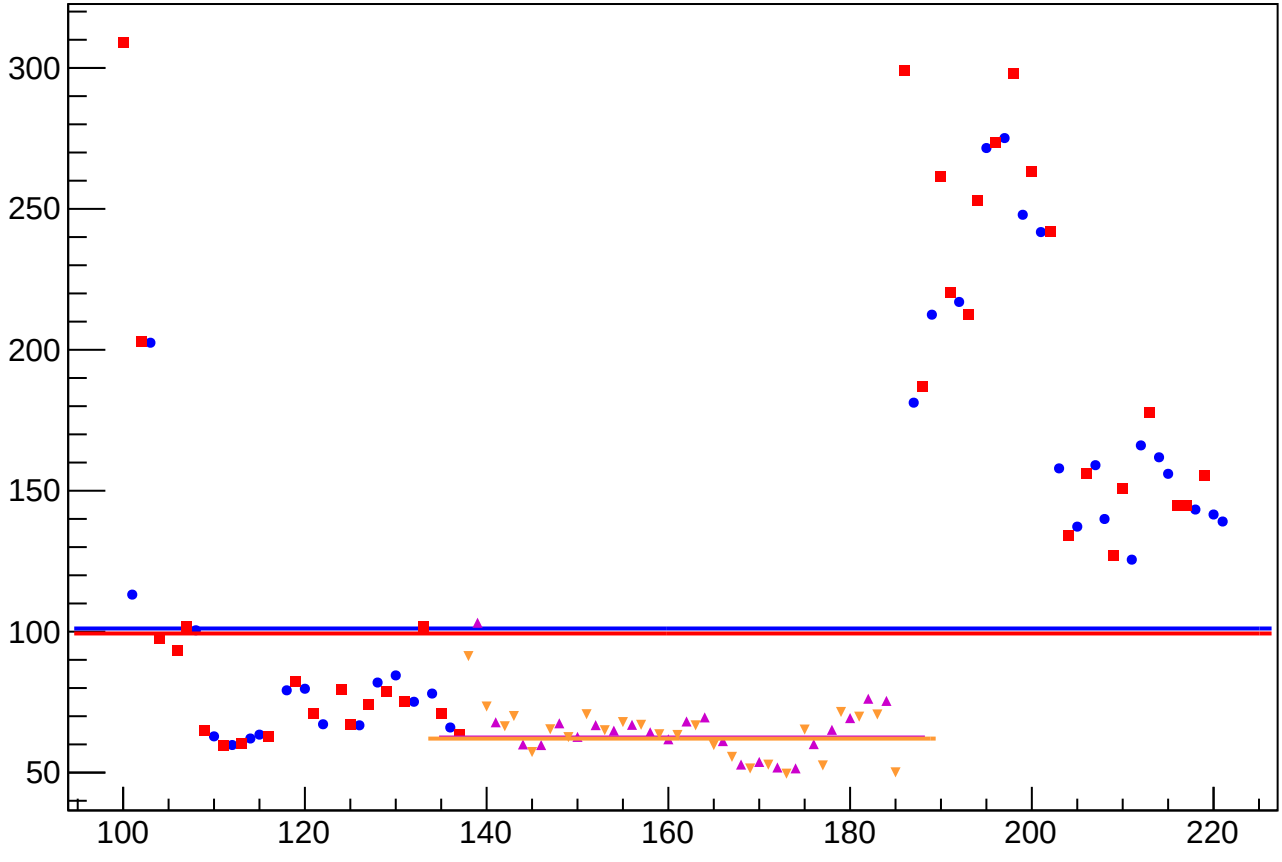
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 41.507+/-12.307 χ^2/NDF: 107.3/58

All: -5.733+/-8.828 χ^2/NDF: 246.9/118

- sign -55.802+/-12.670 χ^2/NDF: 109.2/59

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 101.124+/-0.017 χ^2/NDF: 7867678.9/33

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

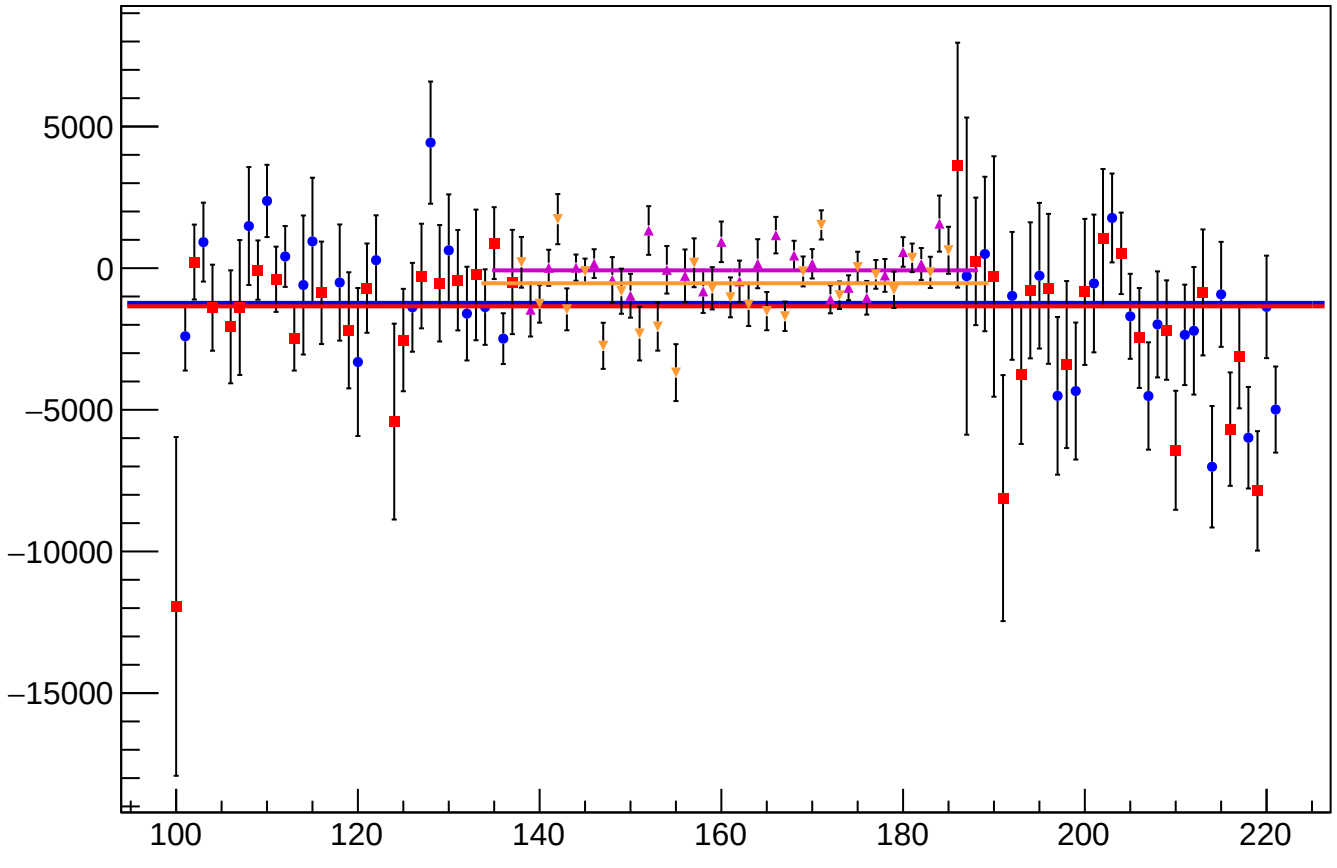
Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 72.296+/-0.009 χ^2/NDF: 12449707.6/58

All: 72.321+/-0.006 χ^2/NDF: 25477830.7/118

- sign 72.347+/-0.009 χ^2/NDF: 13028106.2/59



Right In: -1224.960+/-293.831 χ^2/NDF: 59.5/33

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

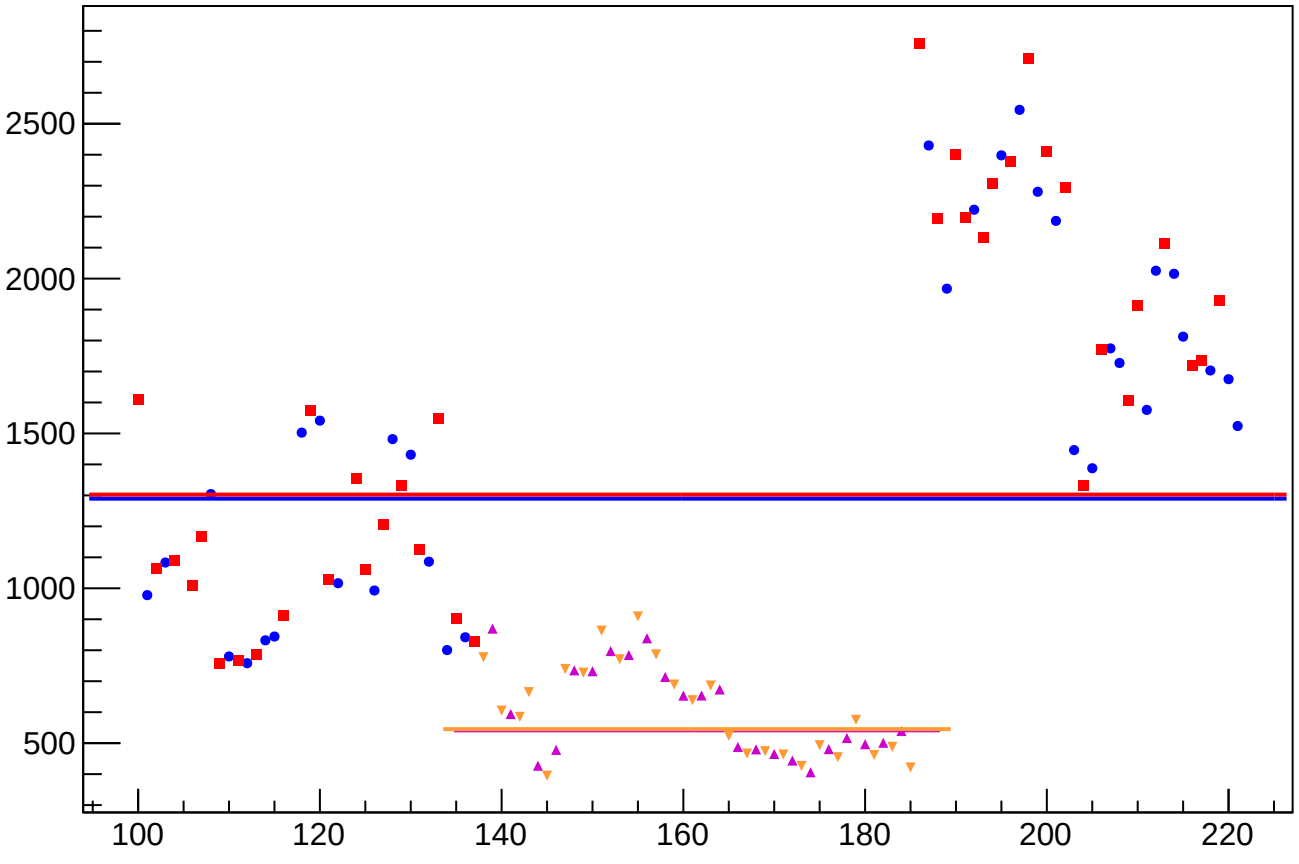
Right Out: -1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -643.073+/-117.292 χ^2/NDF: 133.3/58

All: -462.499+/-83.809 χ^2/NDF: 225.9/118

- sign -274.137+/-119.795 χ^2/NDF: 87.8/59



Right In: 1289.460+/-0.208 χ^2/NDF: 5233079.3/33

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

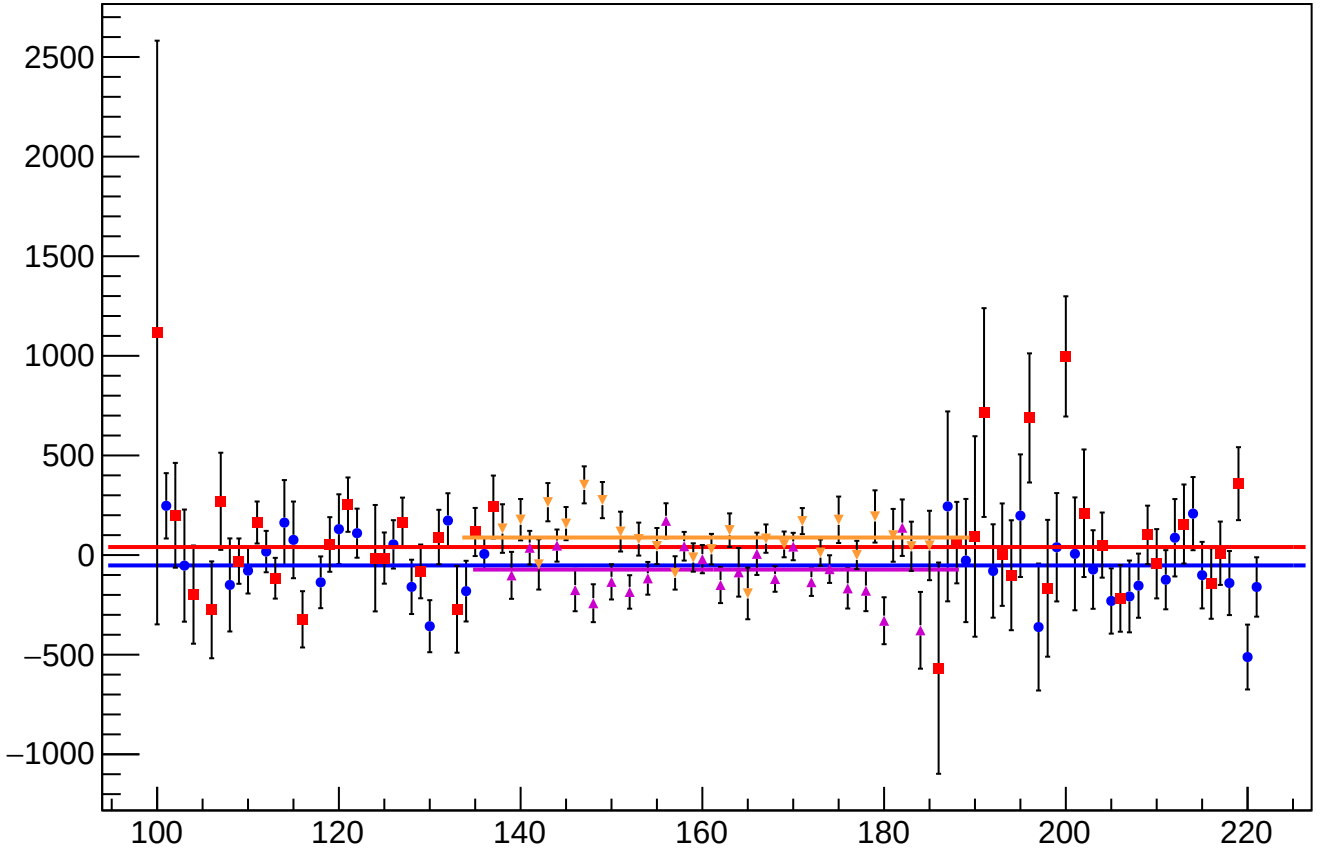
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 663.883+/-0.083 χ^2/NDF: 18100745.3/58

All: 661.694+/-0.059 χ^2/NDF: 36503405.7/11

- sign 659.410+/-0.085 χ^2/NDF: 18401237.2/59

dit_asym_sam_37_avg_mean vs Slug



Right In: -52.041+/-27.237 χ^2/NDF: 35.6/33

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 40.256+/-28.366 χ^2/NDF: 49.0/36

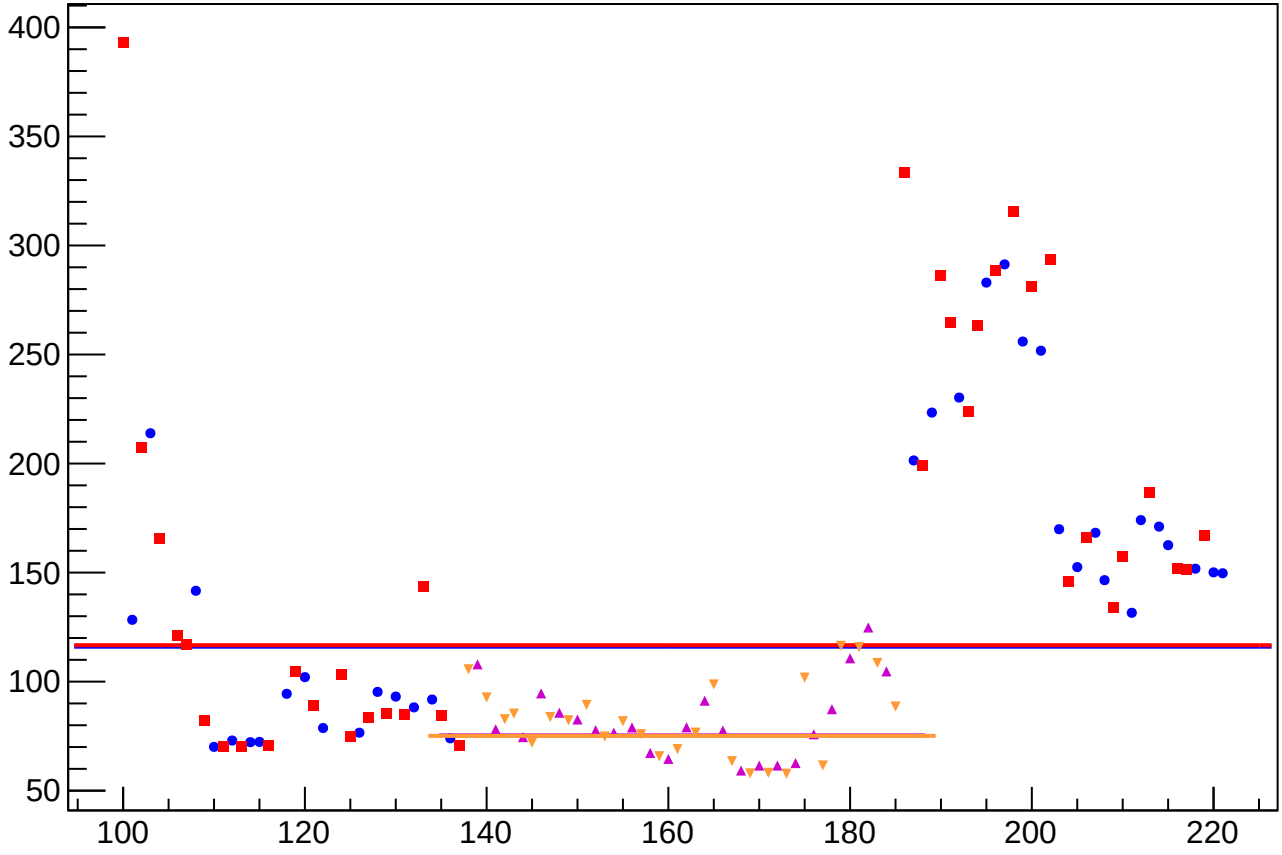
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 46.300+/-14.868 χ^2/NDF: 91.1/58

All: 4.723+/-10.684 χ^2/NDF: 205.9/118

- sign -39.671+/-15.363 χ^2/NDF: 98.7/59

dit_asym_sam_37_avg_rms vs Slug



Right In: 116.024+/-0.019 χ^2/NDF: 6662859.5/33

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

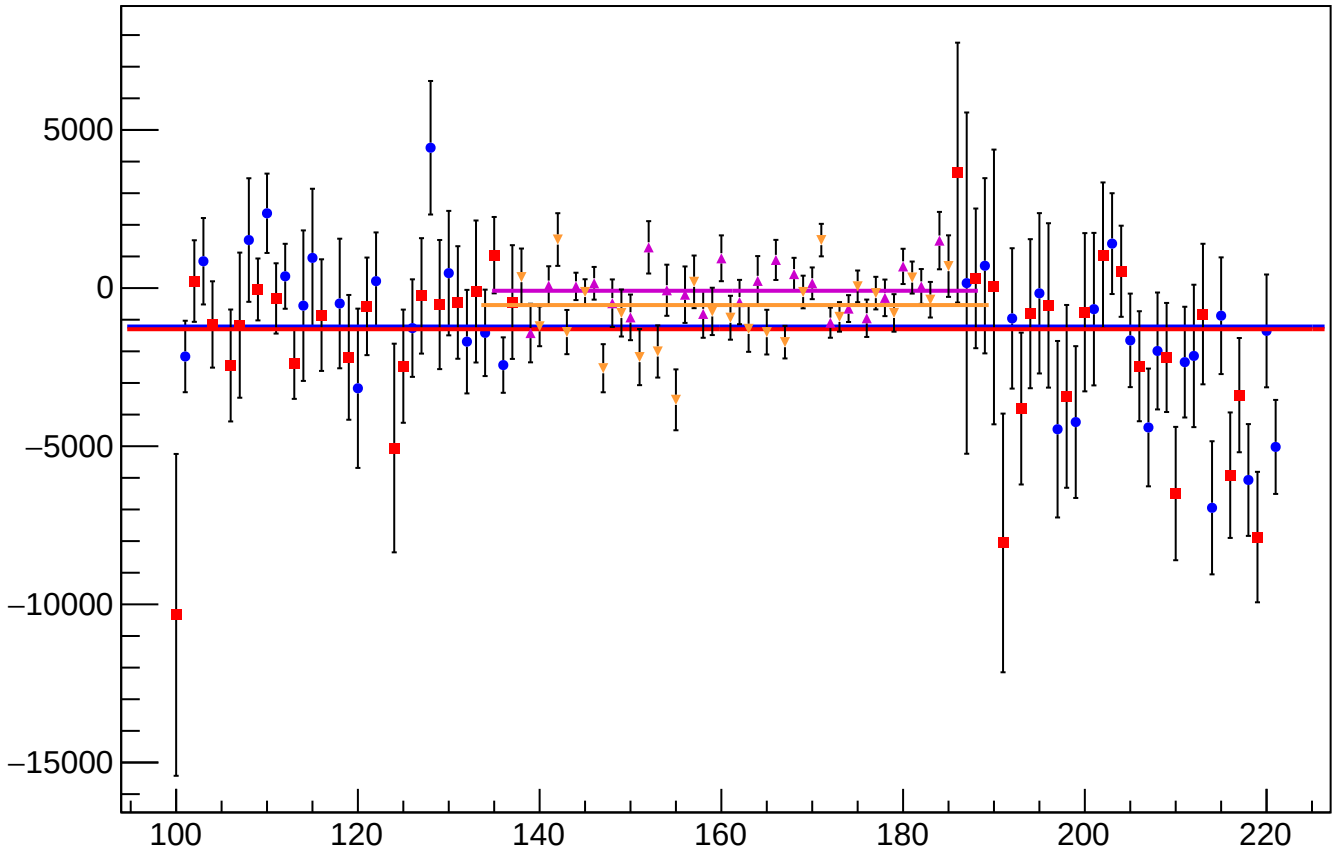
Right Out: 116.711+/-0.020 χ^2/NDF: 7931983.8/36

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 87.314+/-0.011 χ^2/NDF: 11429802.0/58

All: 87.400+/-0.008 χ^2/NDF: 23590253.9/118

- sign 87.492+/-0.011 χ^2/NDF: 12160313.1/59



Right In: -1215.216+/-288.179 χ^2/NDF: 59.9/33

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -1300.944+/-294.531 χ^2/NDF: 48.6/36

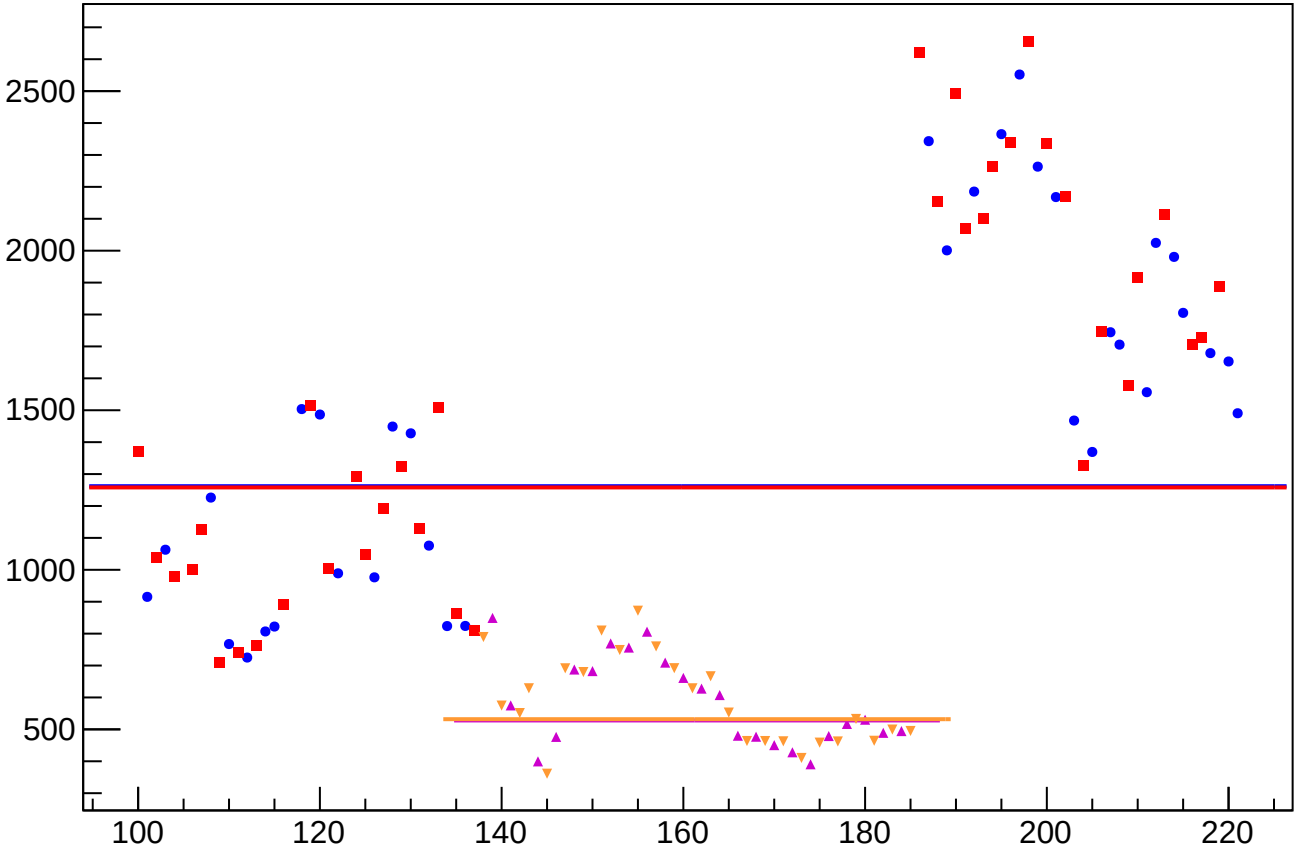
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -643.456+/-114.268 χ^2/NDF: 131.6/58

All: -463.252+/-81.629 χ^2/NDF: 227.1/118

- sign -275.454+/-116.651 χ^2/NDF: 90.4/59

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1262.022+/-0.204 χ^2/NDF: 5425496.7/33

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1258.125+/-0.208 χ^2/NDF: 6282286.4/36

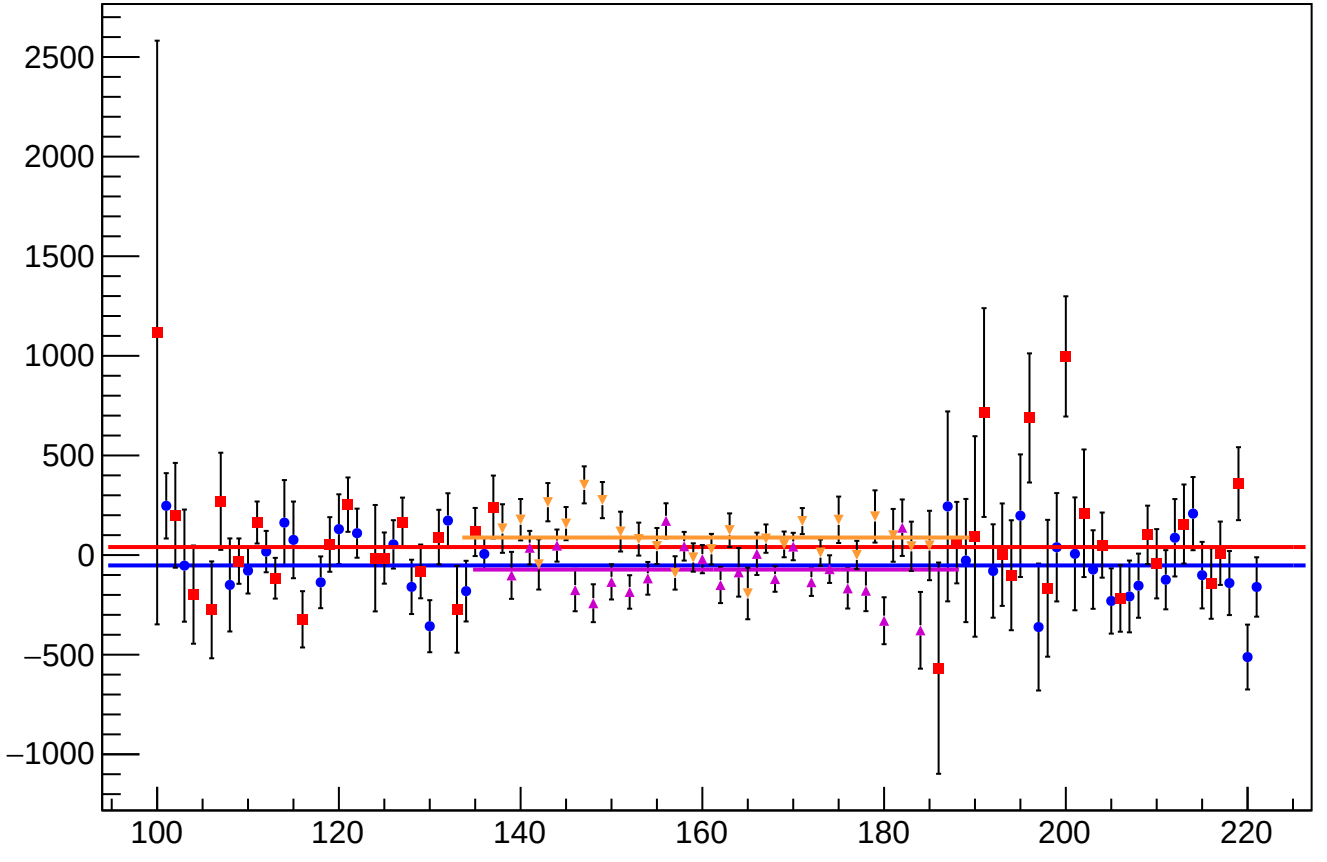
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 646.671+/-0.081 χ^2/NDF: 18283555.2/58

All: 644.636+/-0.058 χ^2/NDF: 36730422.2/11

- sign 642.516+/-0.082 χ^2/NDF: 18445571.9/59

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -52.040+/-27.237 χ^2/NDF: 35.6/33

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 40.259+/-28.366 χ^2/NDF: 49.0/36

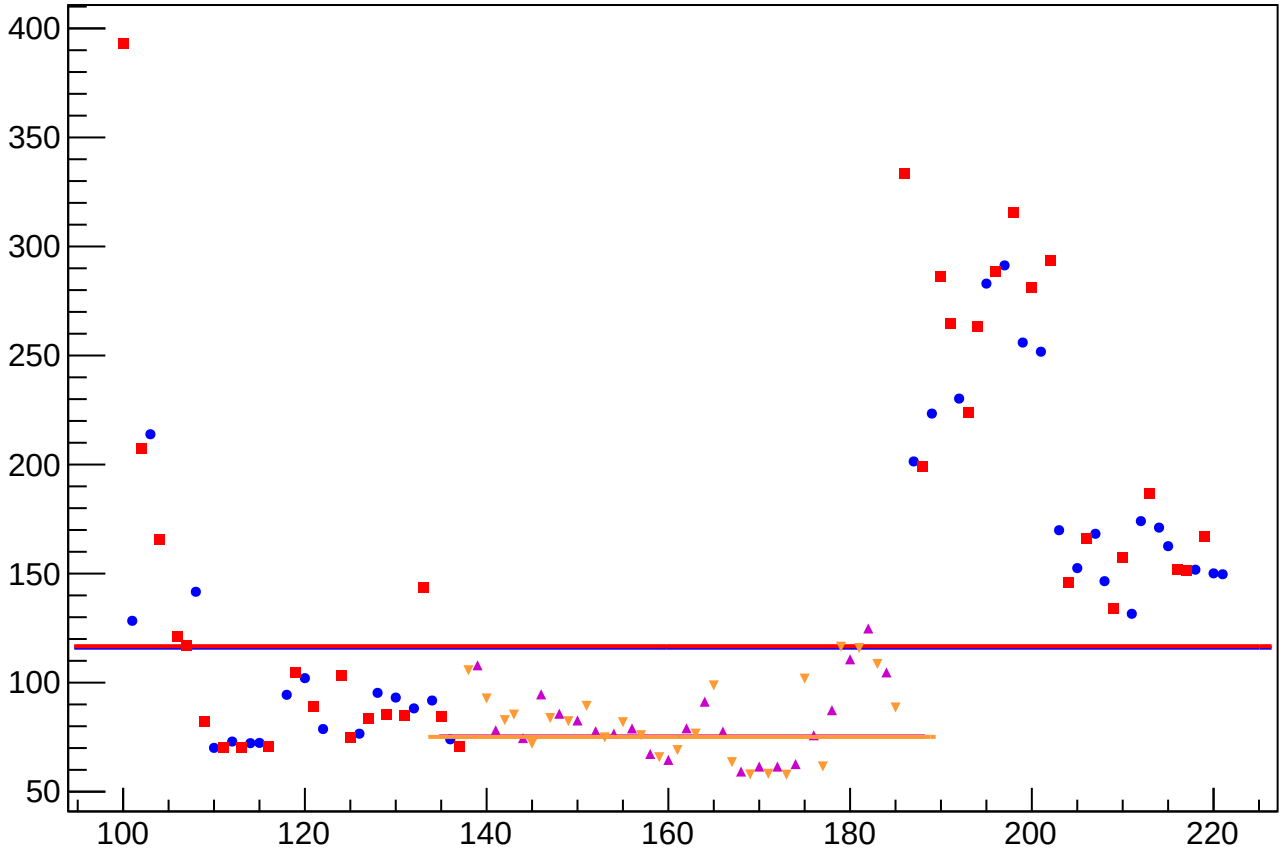
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 46.300+/-14.868 χ^2/NDF: 91.1/58

All: 4.724+/-10.684 χ^2/NDF: 205.9/118

- sign -39.669+/-15.363 χ^2/NDF: 98.7/59

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 116.025+/-0.019 χ^2/NDF: 6662801.1/33

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

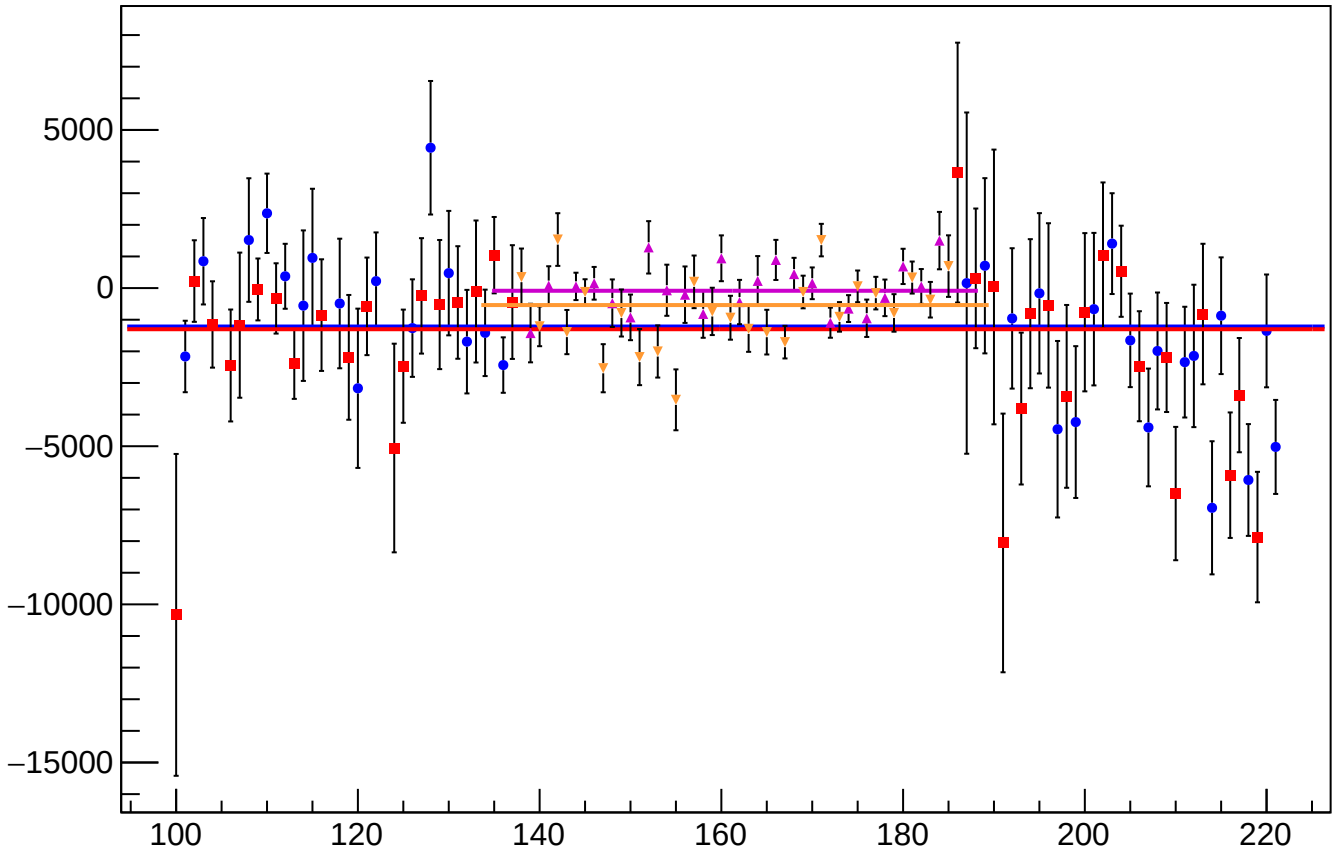
Right Out: 116.711+/-0.020 χ^2/NDF: 7931929.1/36

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 87.314+/-0.011 χ^2/NDF: 11429747.1/58

All: 87.400+/-0.008 χ^2/NDF: 23590166.3/118

- sign 87.492+/-0.011 χ^2/NDF: 12160280.3/59



Right In: -1215.212+/-288.179 χ^2/NDF: 59.9/33

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

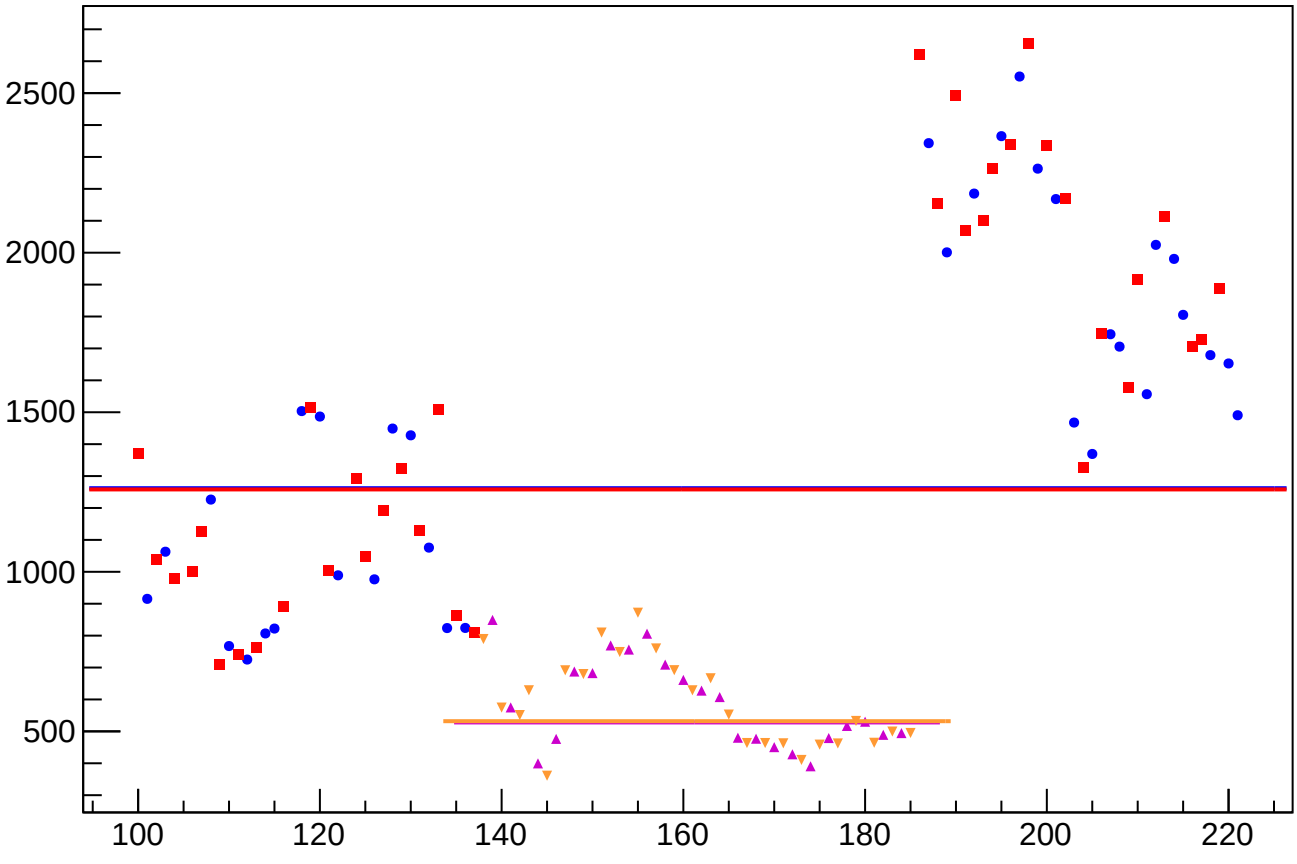
Right Out: -1300.942+/-294.531 χ^2/NDF: 48.6/36

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -643.456+/-114.268 χ^2/NDF: 131.6/58

All: -463.251+/-81.629 χ^2/NDF: 227.1/118

- sign -275.454+/-116.651 χ^2/NDF: 90.4/59



Right In: 1262.020+/-0.204 χ^2/NDF: 5425515.9/33

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

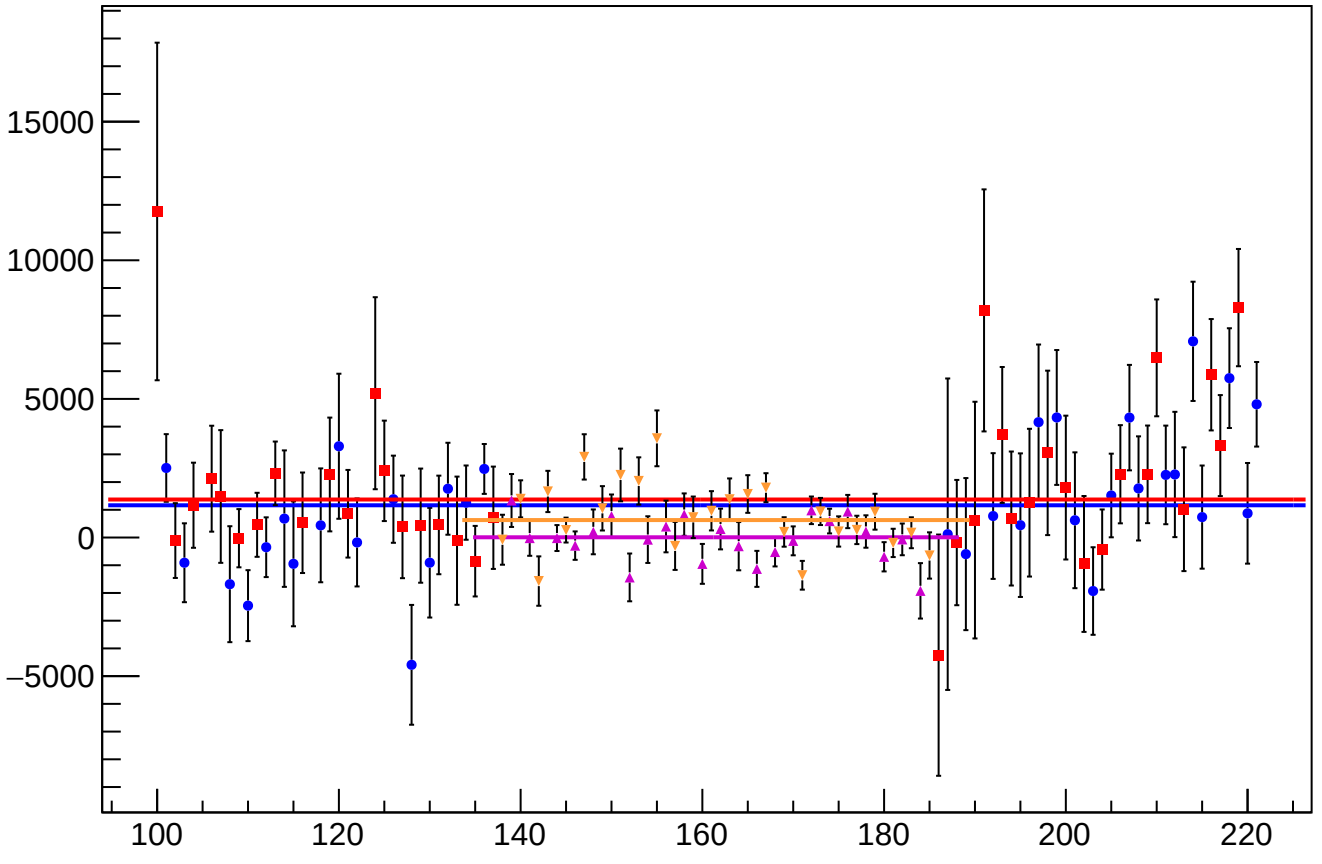
Right Out: 1258.123+/-0.208 χ^2/NDF: 6282301.8/36

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 646.670+/-0.081 χ^2/NDF: 18283548.5/58

All: 644.636+/-0.058 χ^2/NDF: 36730399.4/11

- sign 642.515+/-0.082 χ^2/NDF: 18445556.0/59



Right In: 1162.731+/-295.247 χ^2/NDF: 58.7/33

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

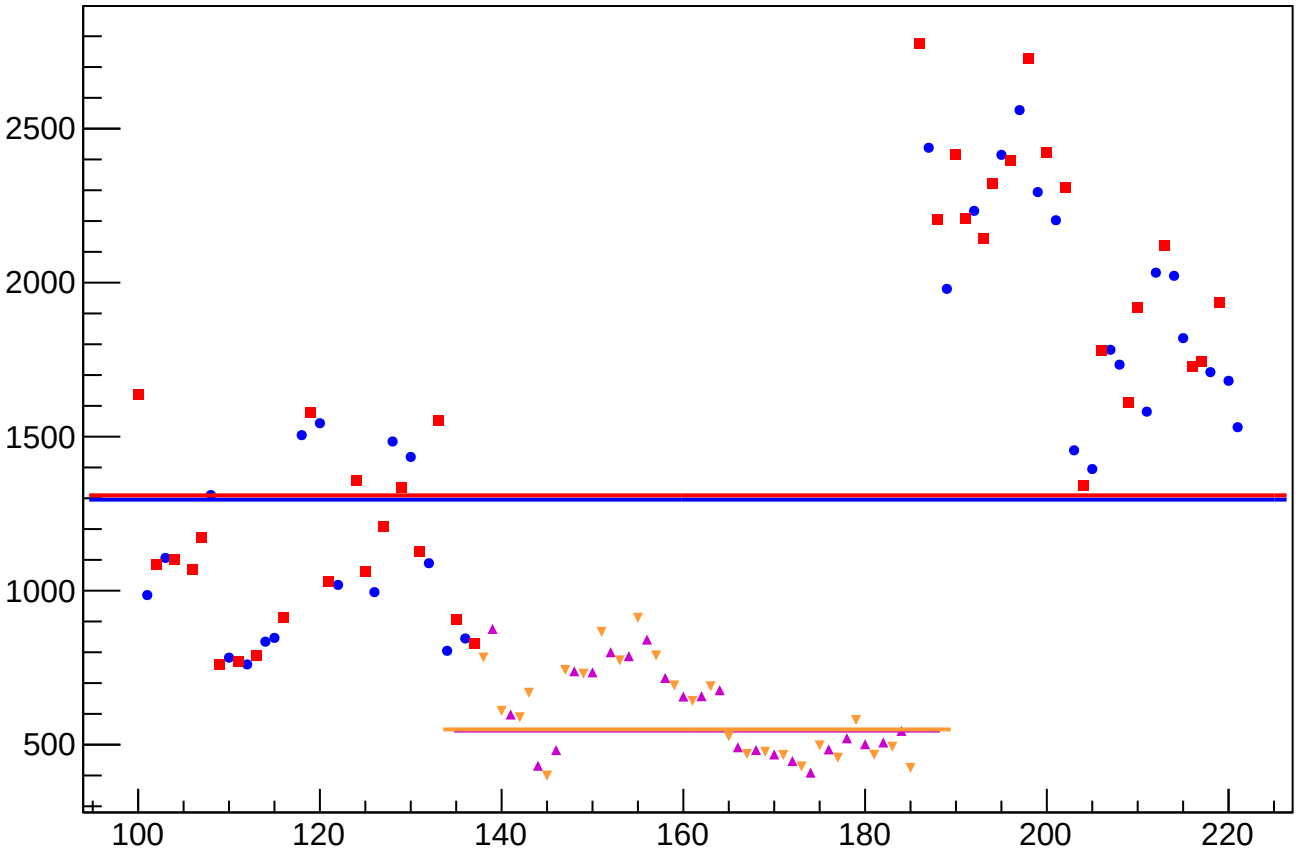
Right Out: 1370.987+/-305.406 χ^2/NDF: 45.5/36

Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 714.711+/-118.096 χ^2/NDF: 126.3/58

All: 473.058+/-84.384 χ^2/NDF: 224.5/118

- sign 220.982+/-120.616 χ^2/NDF: 89.6/59



Right In: 1295.664+/-0.209 χ^2/NDF: 5234023.7/33

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

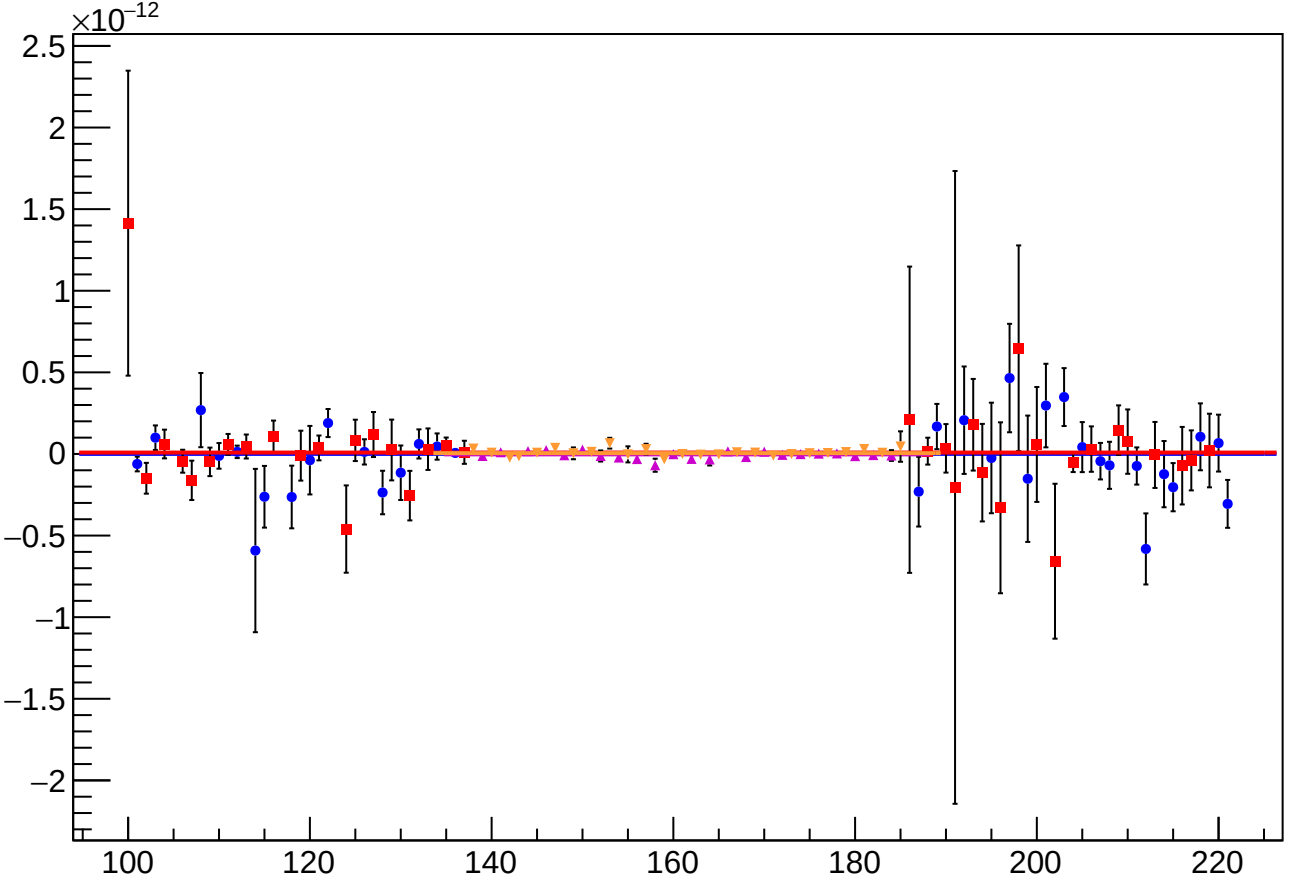
Right Out: 1309.431+/-0.216 χ^2/NDF: 5982284.8/36

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 668.860+/-0.084 χ^2/NDF: 18018901.5/58

All: 666.888+/-0.060 χ^2/NDF: 36372887.6/11

- sign 664.831+/-0.085 χ^2/NDF: 18352846.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/36

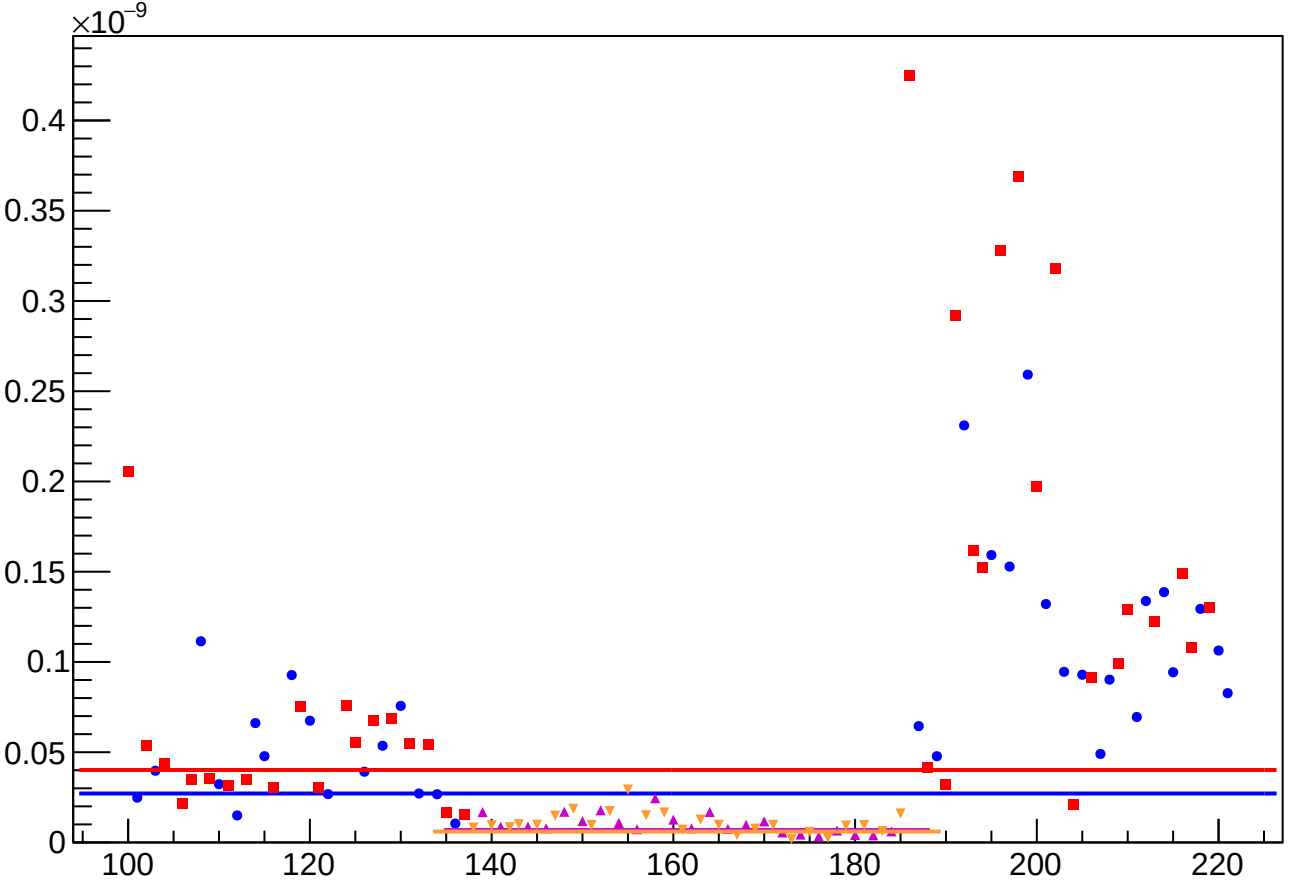
Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.9/58

All: 0.000+/-0.000 χ^2/NDF: 108.3/118

- sign -0.000+/-0.000 χ^2/NDF: 45.1/59

asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9186027.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7236751.8/36

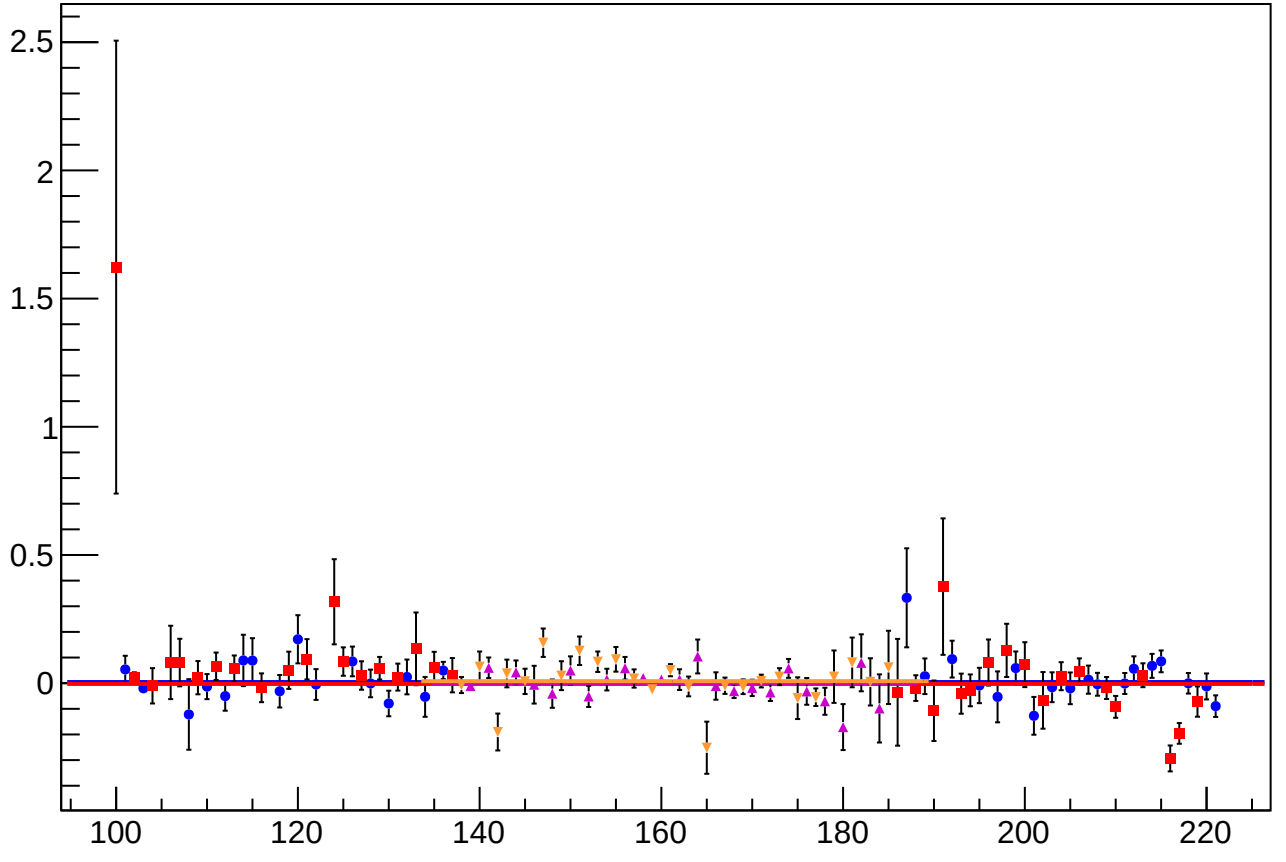
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17371210.5/58

All: 0.000+/-0.000 χ^2/NDF: 33655204.1/118

- sign 0.000+/-0.000 χ^2/NDF: 16198761.4/59

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

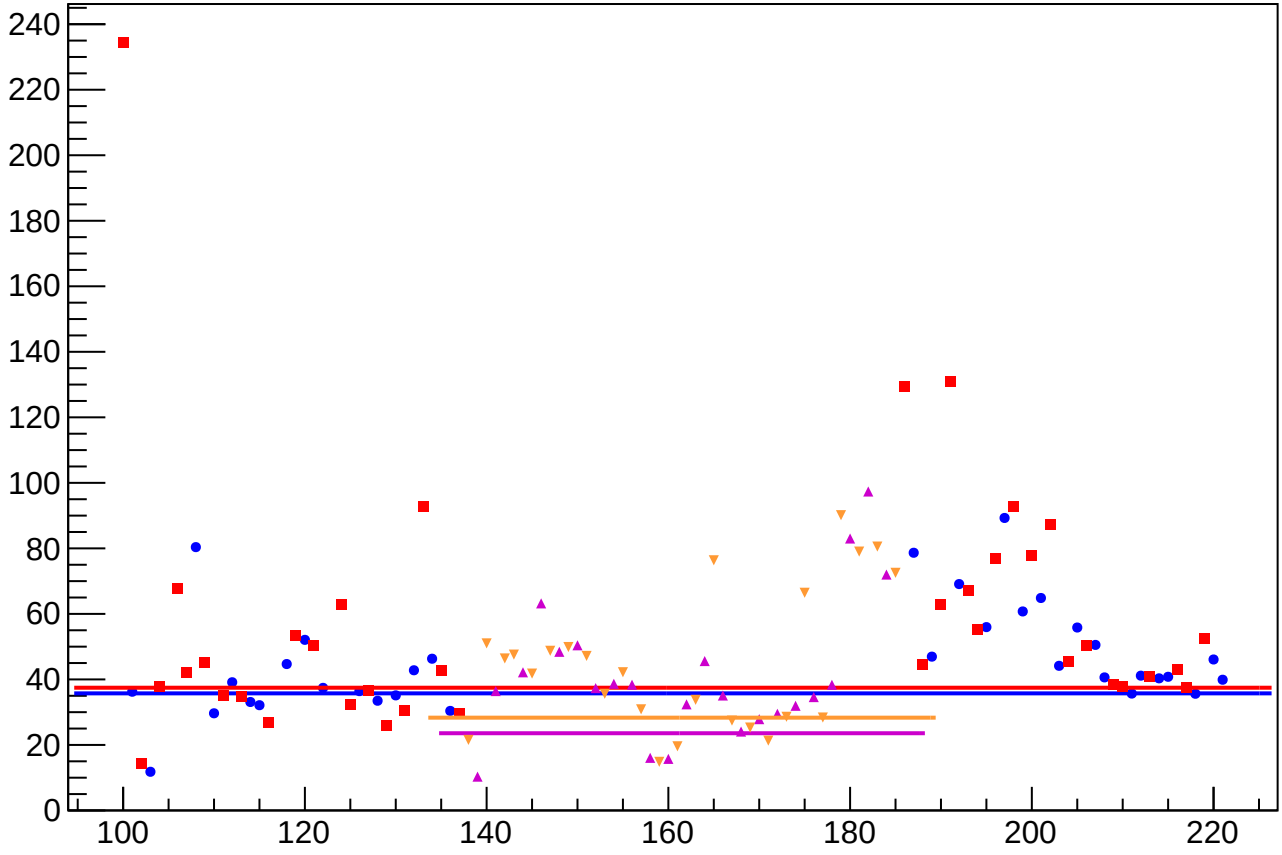
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.742+/-0.006 χ^2/NDF: 5983209.3/33

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

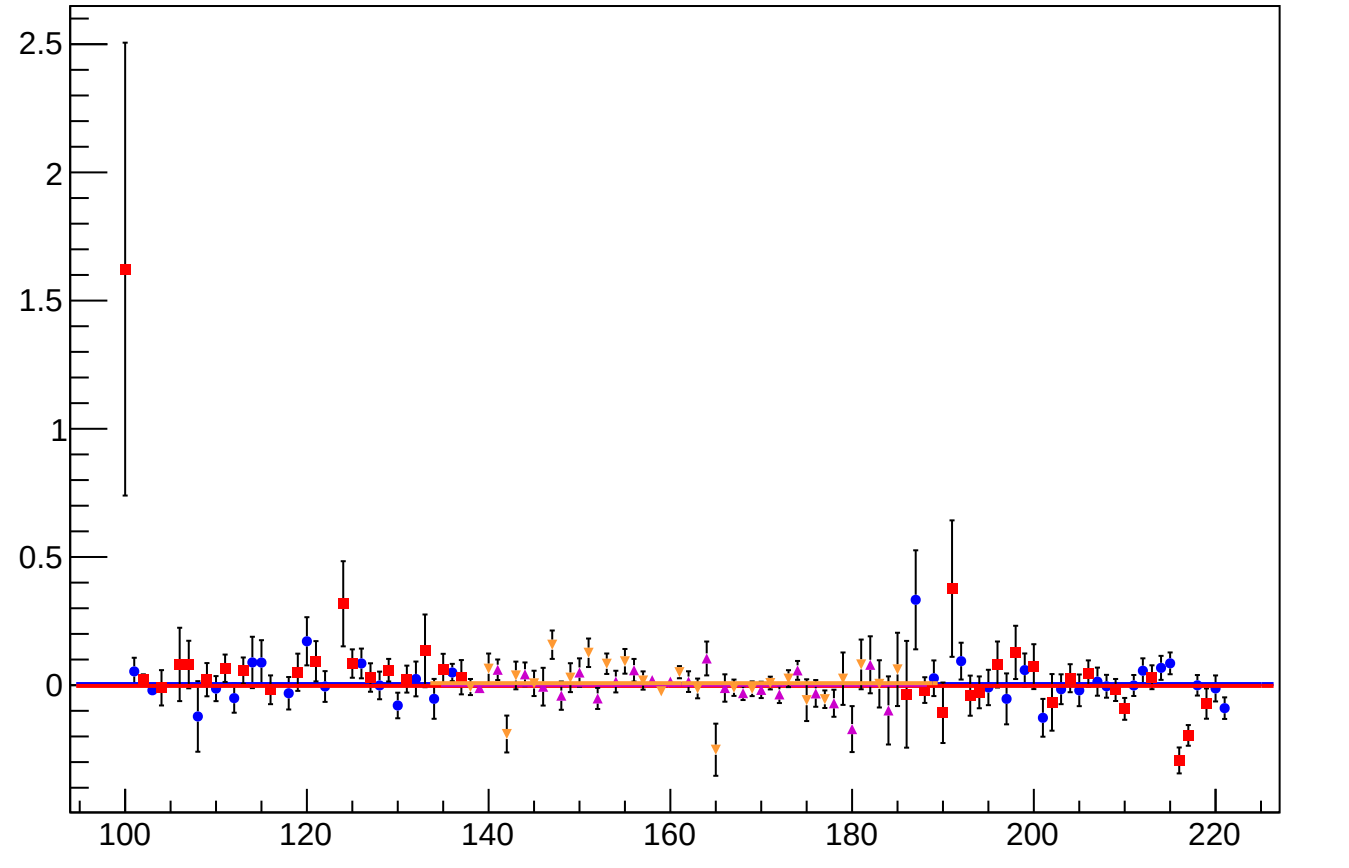
Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.505+/-0.004 χ^2/NDF: 13593105.4/58

All: 29.851+/-0.003 χ^2/NDF: 31716354.3/118

- sign 28.312+/-0.004 χ^2/NDF: 17801423.3/59



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

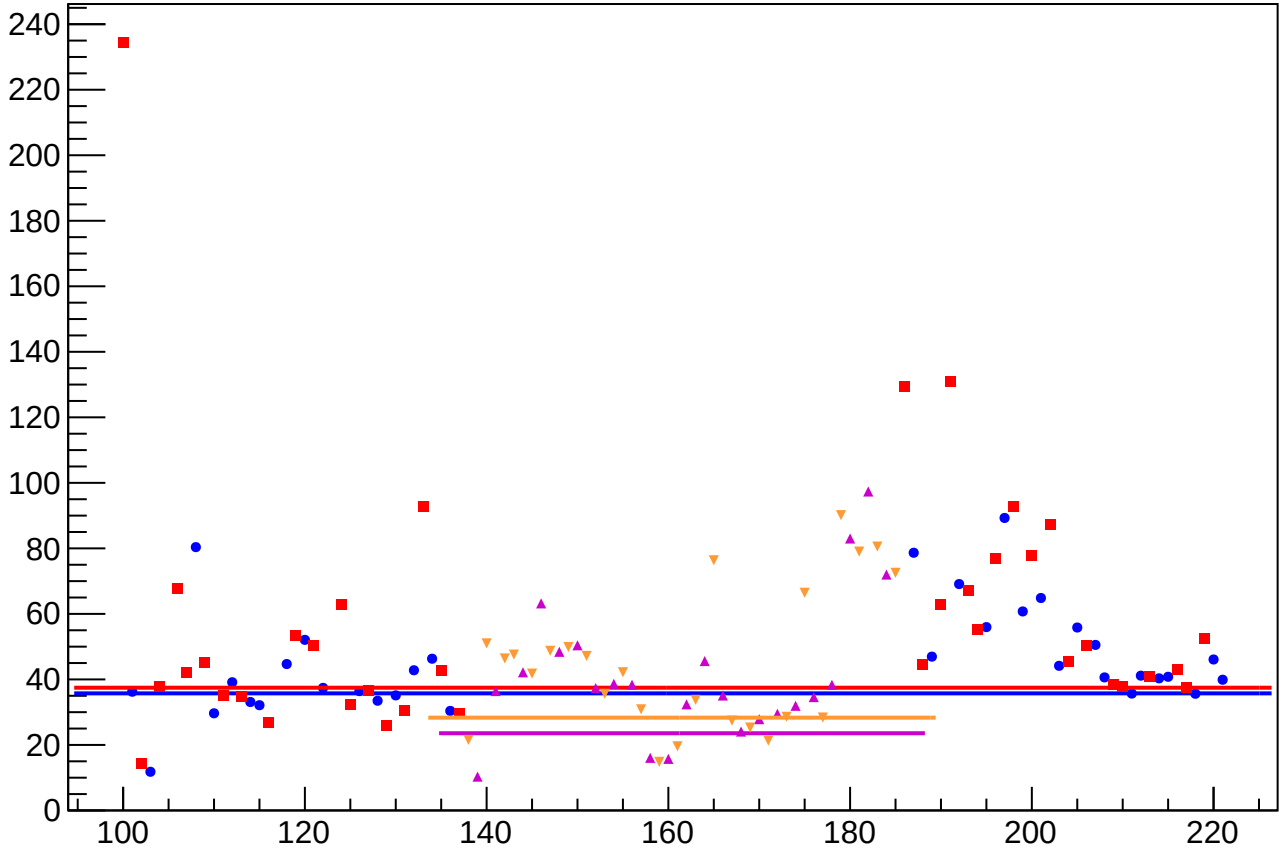
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.742+/-0.006 χ^2/NDF: 5983209.3/33

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

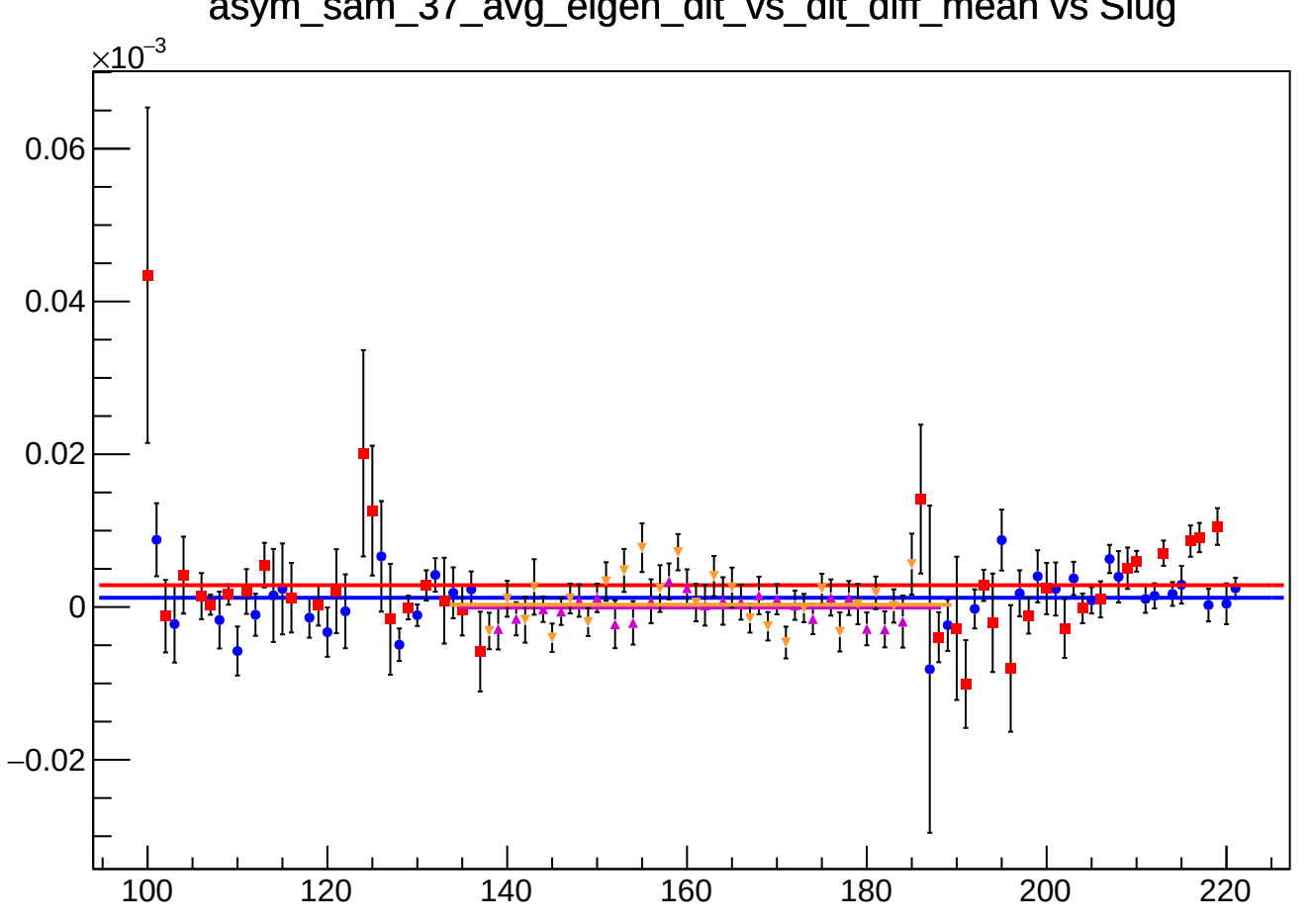
Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.505+/-0.004 χ^2/NDF: 13593105.4/58

All: 29.851+/-0.003 χ^2/NDF: 31716354.3/118

- sign 28.312+/-0.004 χ^2/NDF: 17801423.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 43.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 84.7/36

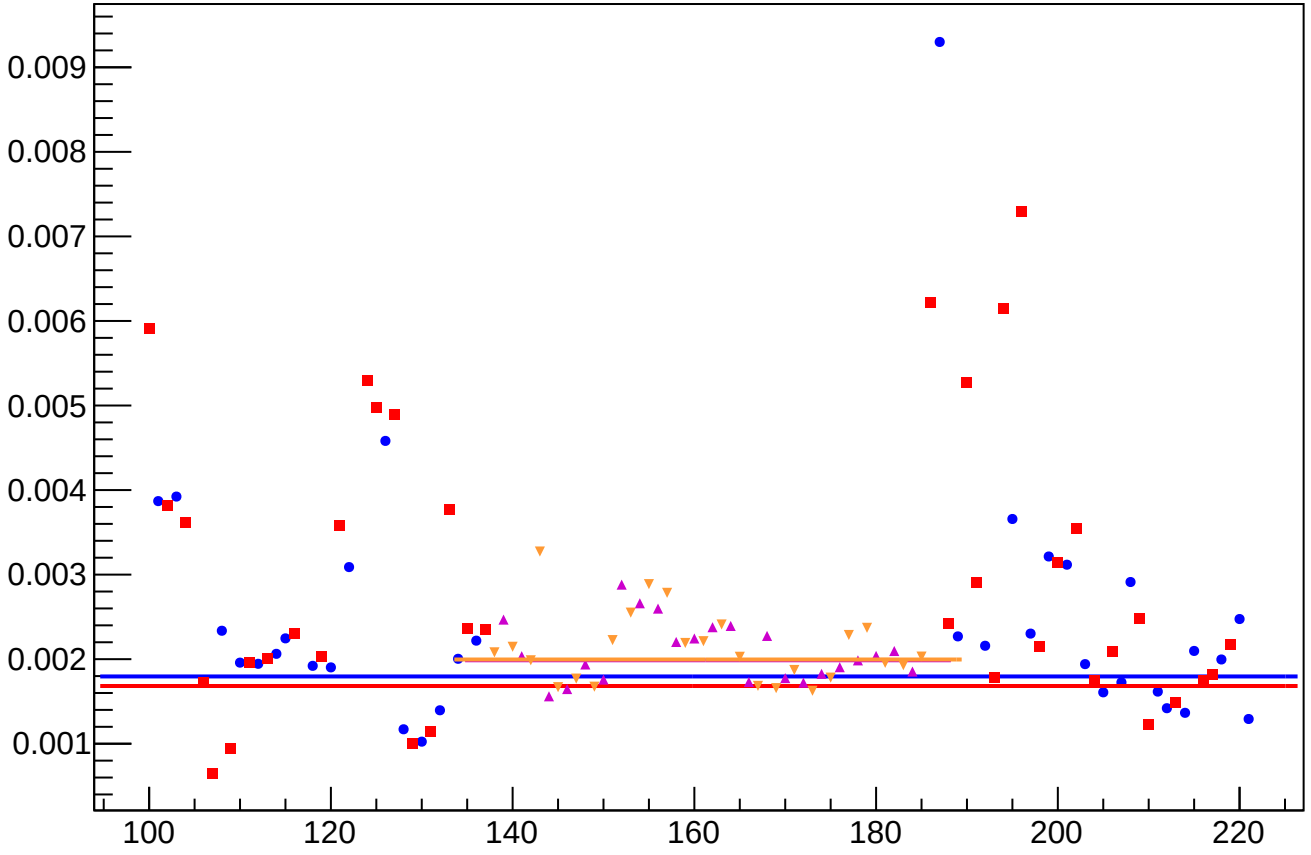
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.9/58

All: 0.000+/-0.000 χ^2/NDF: 212.0/118

- sign 0.000+/-0.000 χ^2/NDF: 118.2/59

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4598112.1/33

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9077334.7/36

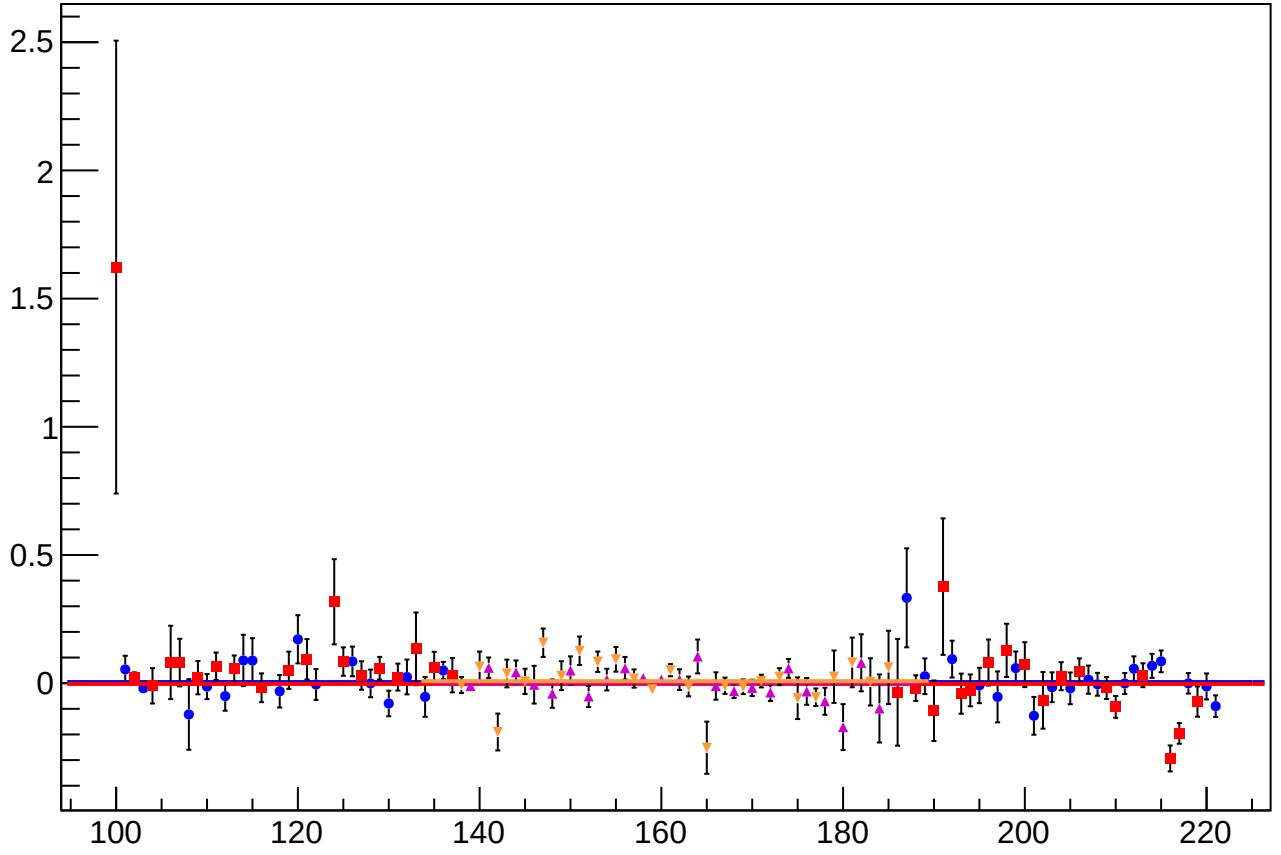
Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 5976138.1/58

All: 0.002+/-0.000 χ^2/NDF: 16487557.2/118

- sign 0.002+/-0.000 χ^2/NDF: 10463385.5/59

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

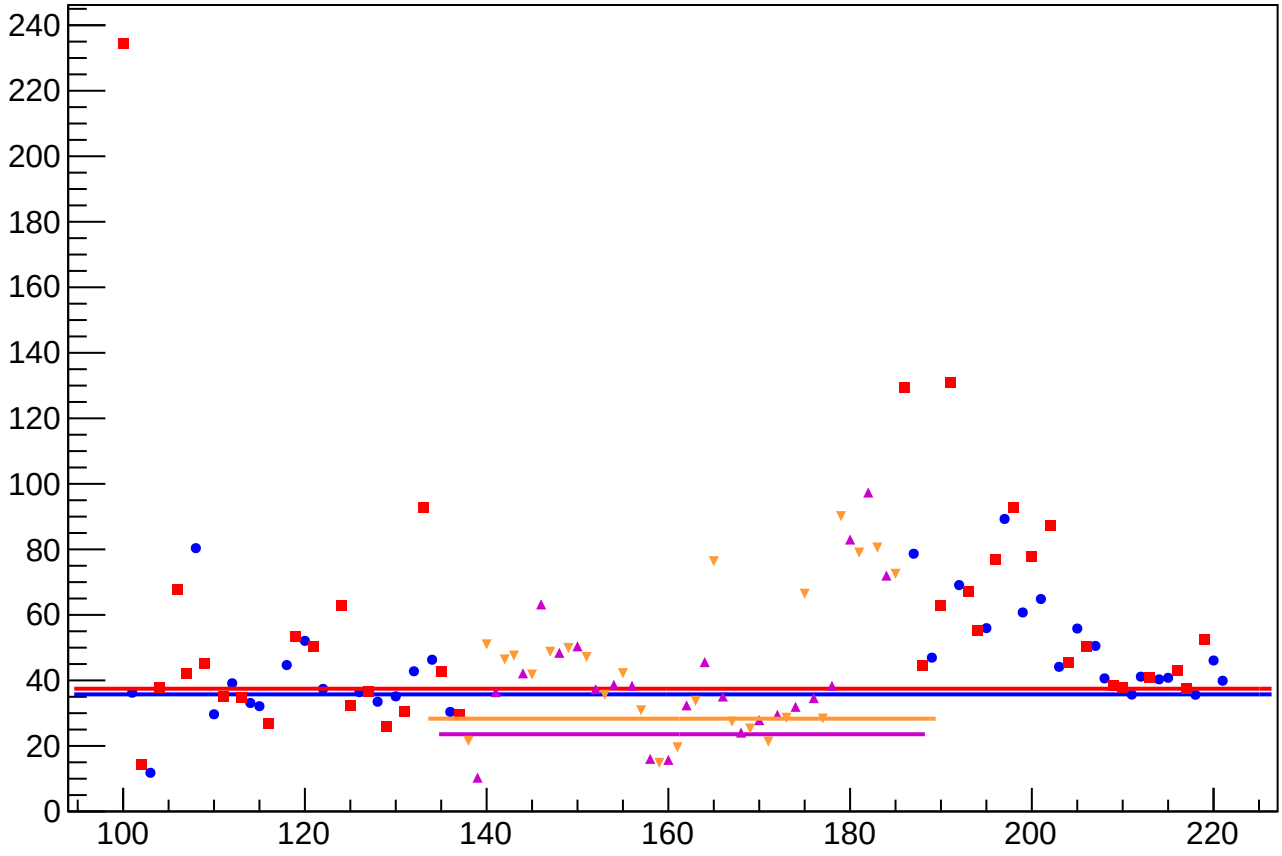
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.741+/-0.006 χ^2/NDF: 5983644.1/33

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

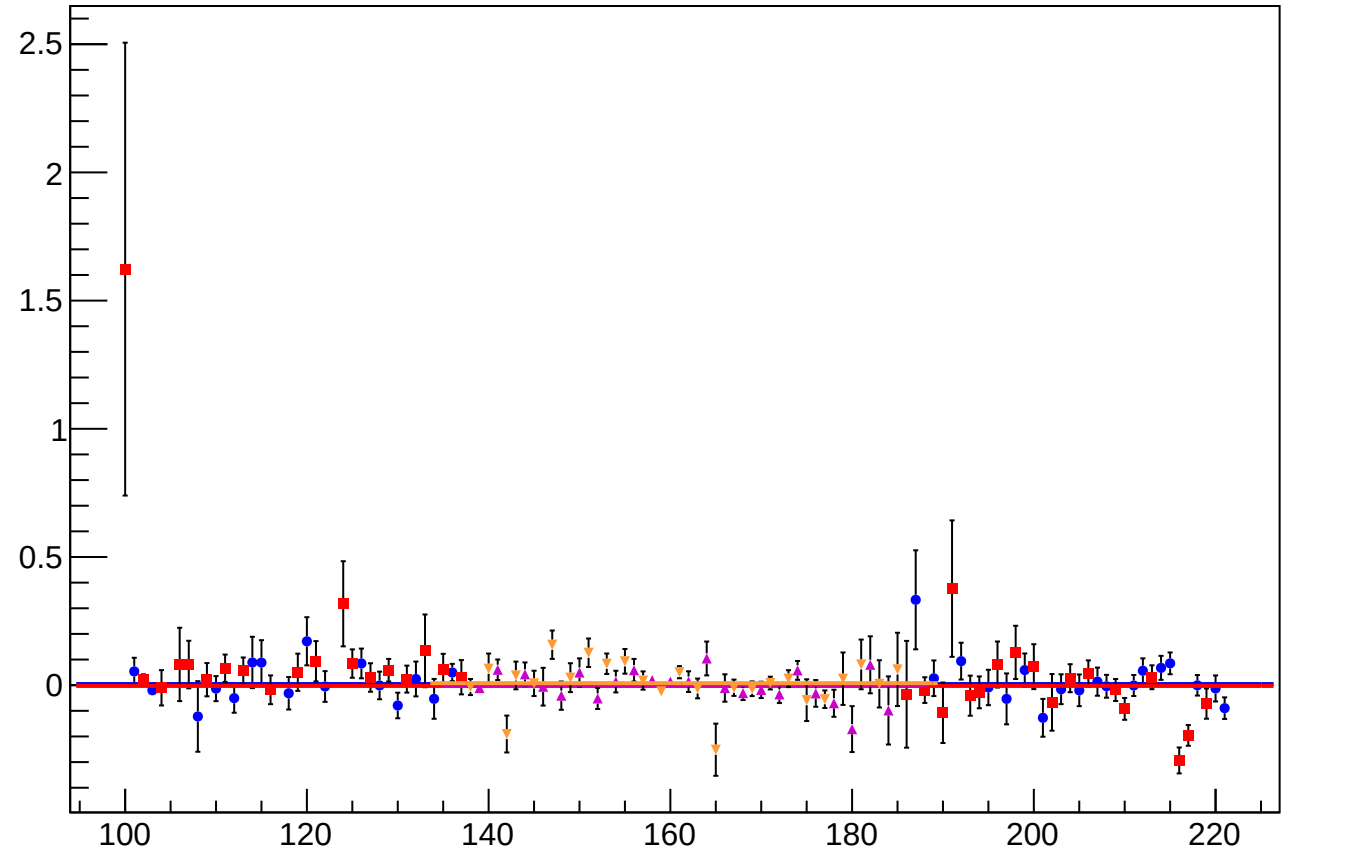
Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.504+/-0.004 χ^2/NDF: 13593961.1/58

All: 29.851+/-0.003 χ^2/NDF: 31718231.1/118

- sign 28.312+/-0.004 χ^2/NDF: 17802443.5/59



Right In: 0.004+/-0.009 χ^2/NDF: 37.5/33

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

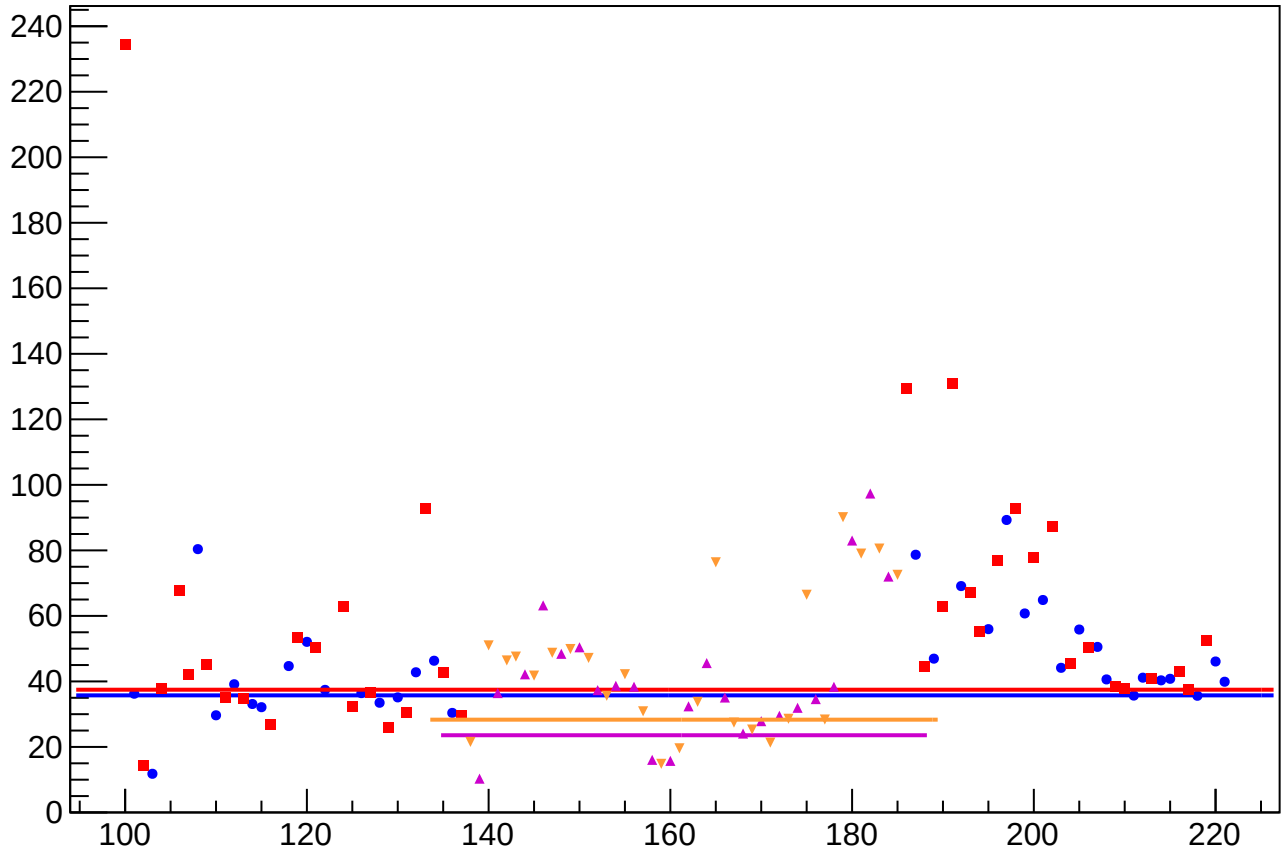
Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 85.1/58

All: 0.003+/-0.004 χ^2/NDF: 203.4/118

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59



Right In: 35.741+/-0.006 χ^2/NDF: 5983644.1/33

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

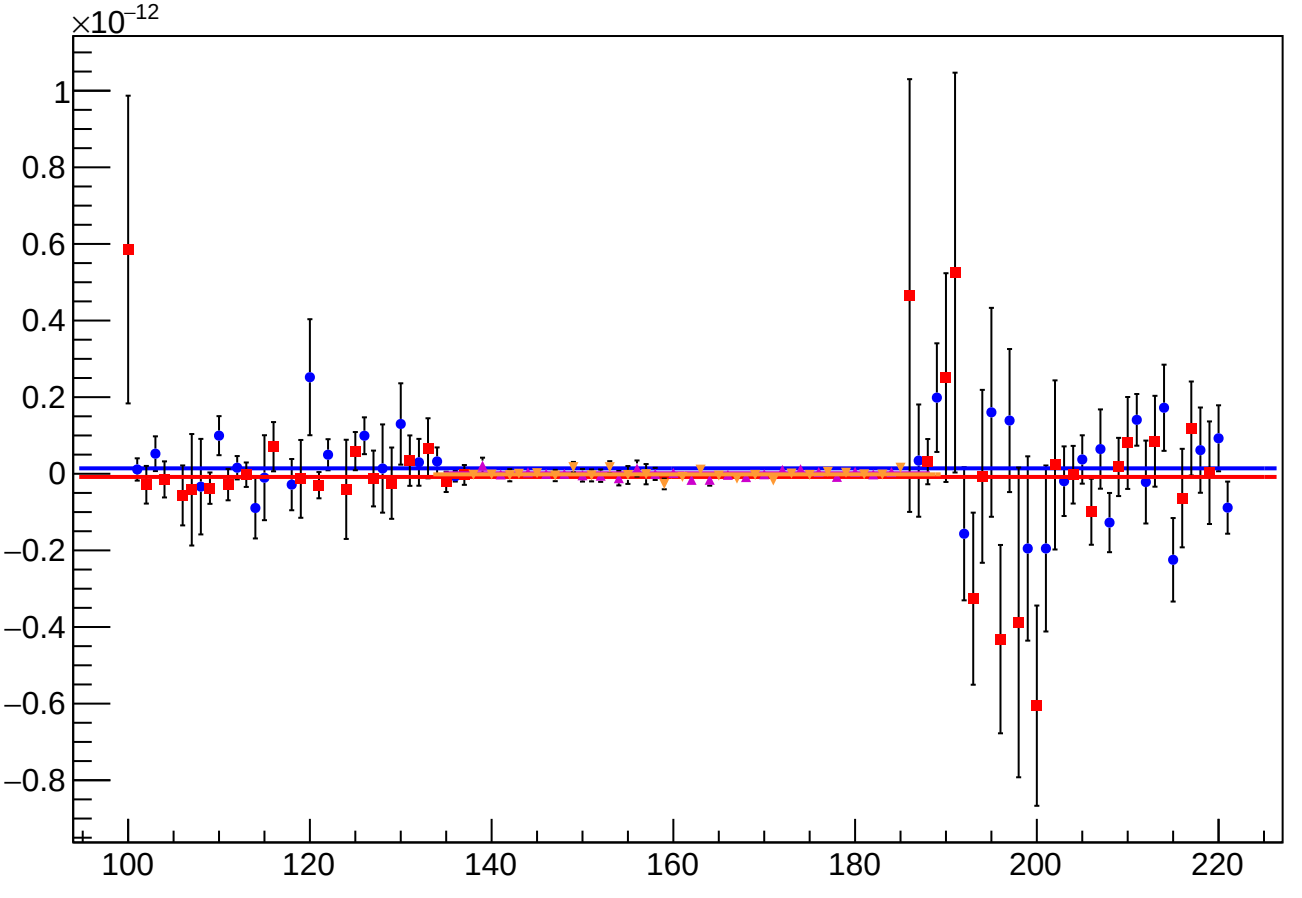
Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

\+ sign 31.504+/-0.004 χ^2/NDF: 13593961.1/58

All: 29.851+/-0.003 χ^2/NDF: 31718231.1/118

\- sign 28.312+/-0.004 χ^2/NDF: 17802443.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

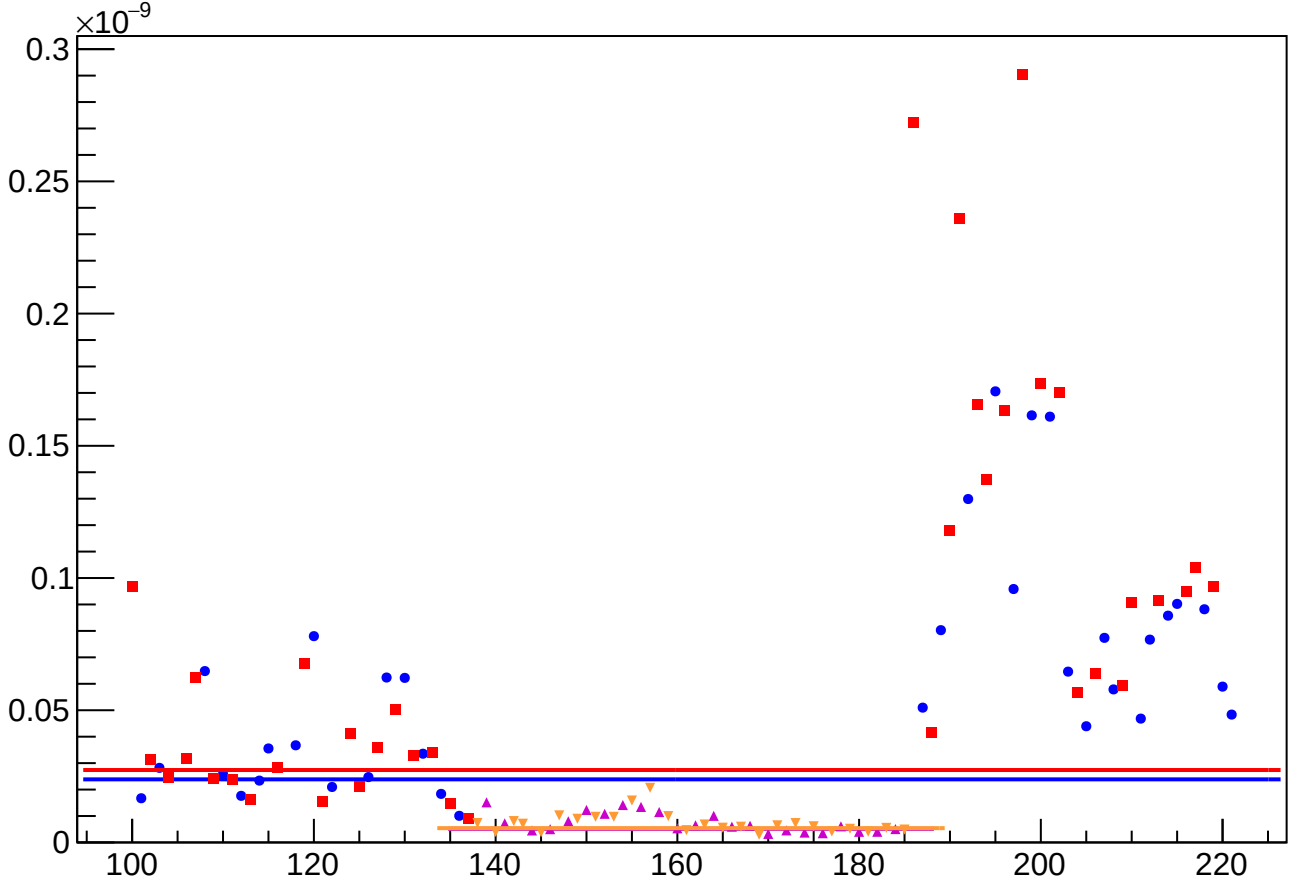
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/58

All: 0.000+/-0.000 χ^2/NDF: 103.5/118

- sign 0.000+/-0.000 χ^2/NDF: 43.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 11692299.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11934531.6/36

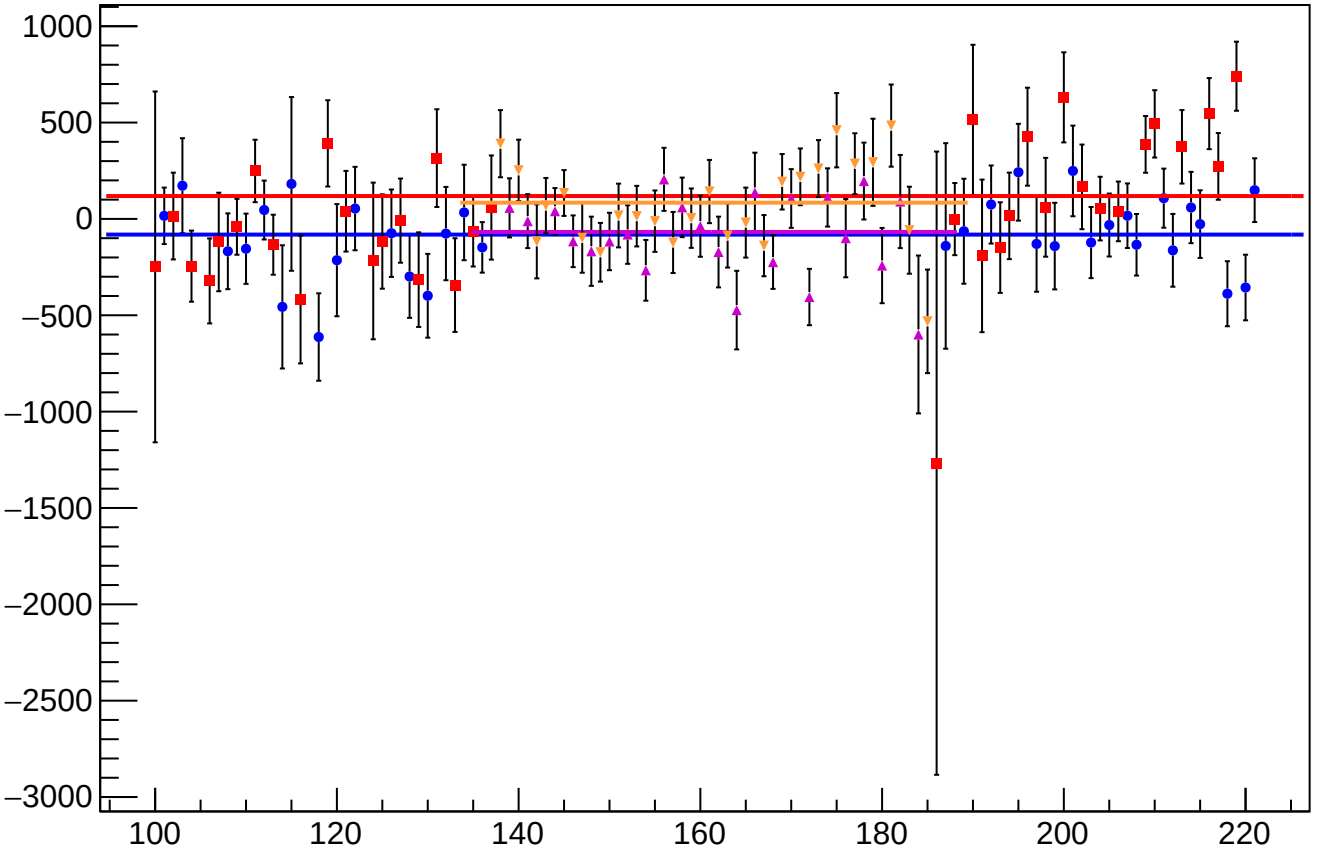
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 23223140.1/58

All: 0.000+/-0.000 χ^2/NDF: 47938141.3/118

- sign 0.000+/-0.000 χ^2/NDF: 24679920.6/59

reg_asym_sam_48_avg_mean vs Slug



Right In: -81.392+/-33.821 χ^2/NDF: 29.2/33

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 118.602+/-34.720 χ^2/NDF: 67.2/36

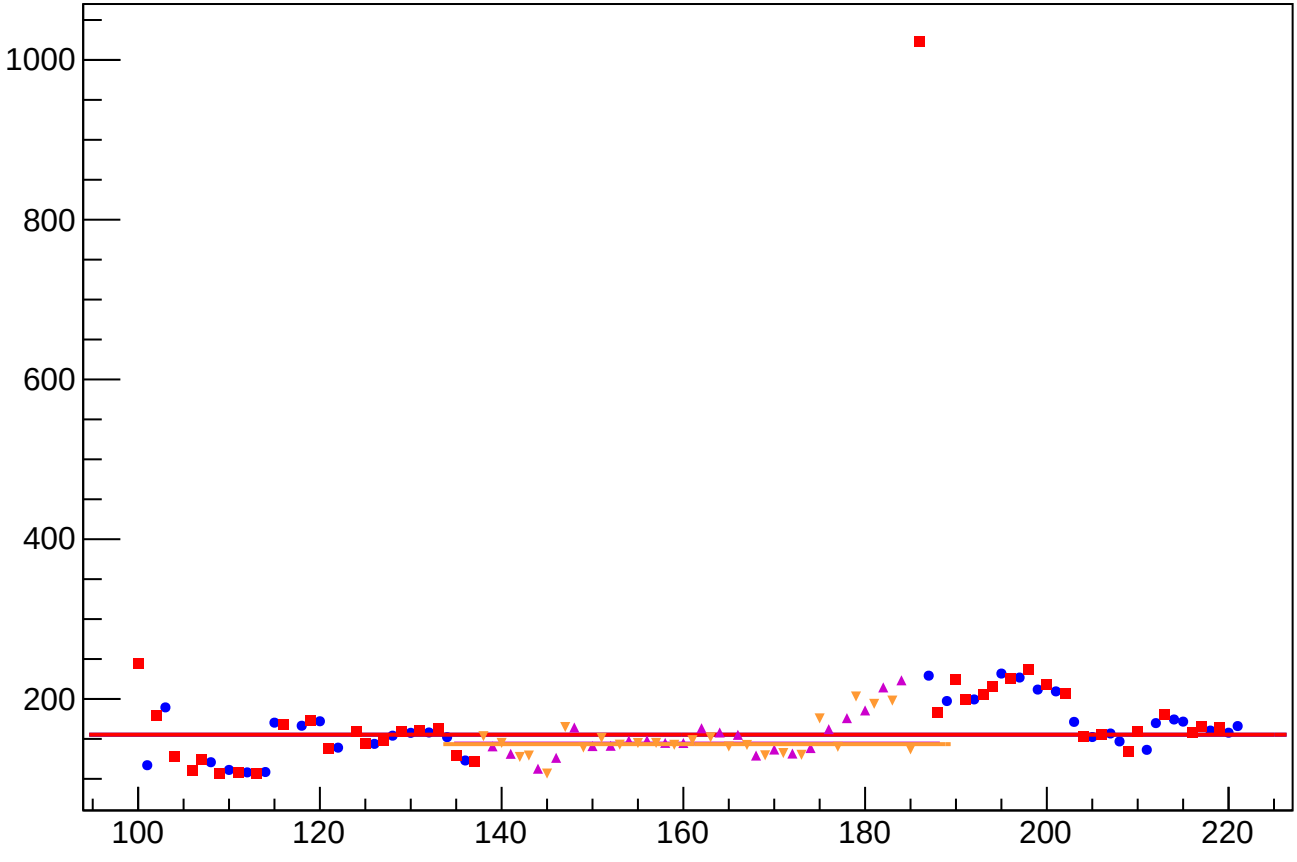
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 3.414+/-23.633 χ^2/NDF: 75.3/58

All: 13.354+/-16.956 χ^2/NDF: 184.0/118

- sign 23.901+/-24.342 χ^2/NDF: 108.3/59

reg_asym_sam_48_avg_rms vs Slug



Right In: 155.227+/-0.024 χ^2/NDF: 1617794.3/33

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.326+/-0.025 χ^2/NDF: 2530510.5/36

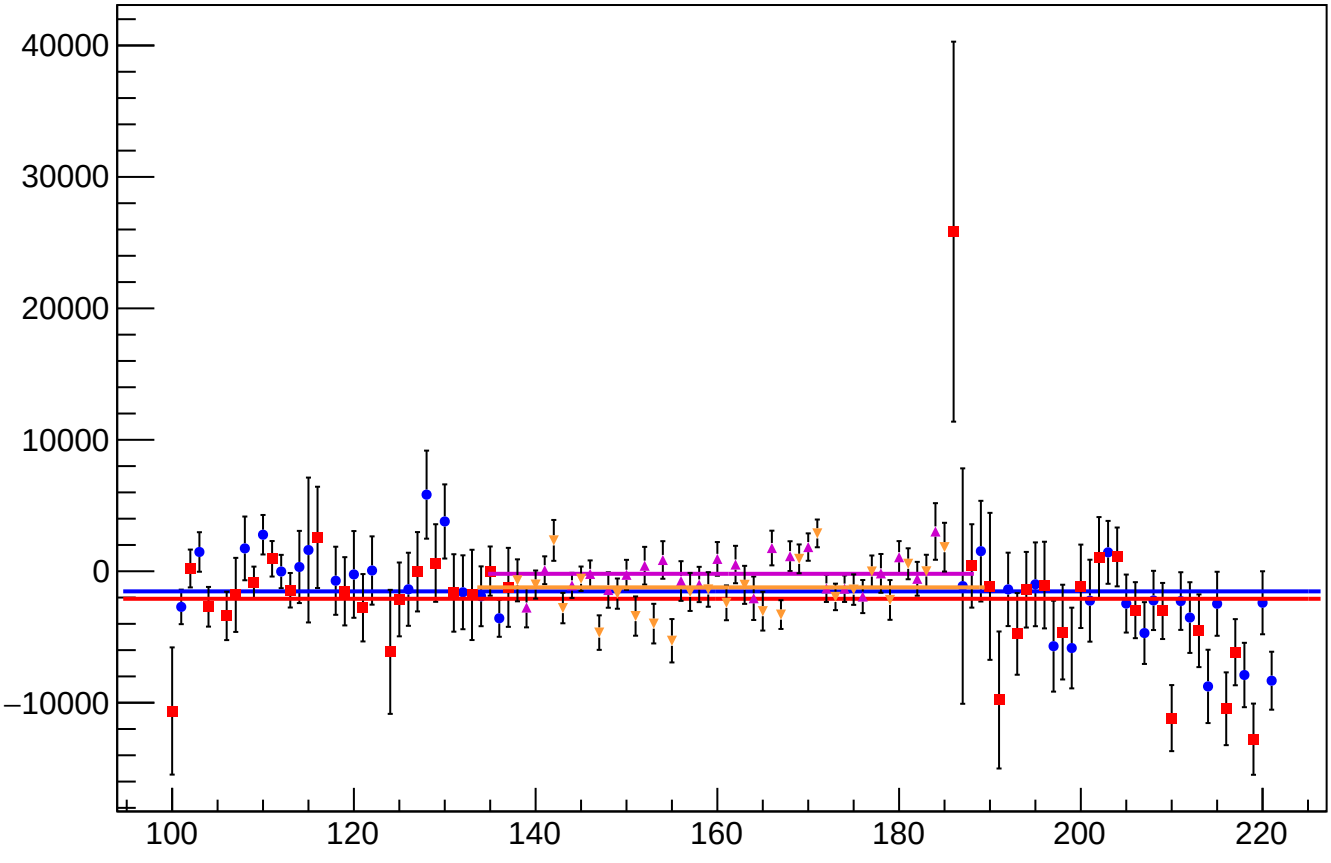
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 149.197+/-0.017 χ^2/NDF: 2489073.9/58

All: 149.418+/-0.012 χ^2/NDF: 5827641.0/118

- sign 149.654+/-0.017 χ^2/NDF: 3338204.4/59

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1529.407+/-391.462 χ^2/NDF: 59.9/33

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -2094.482+/-386.865 χ^2/NDF: 70.3/36

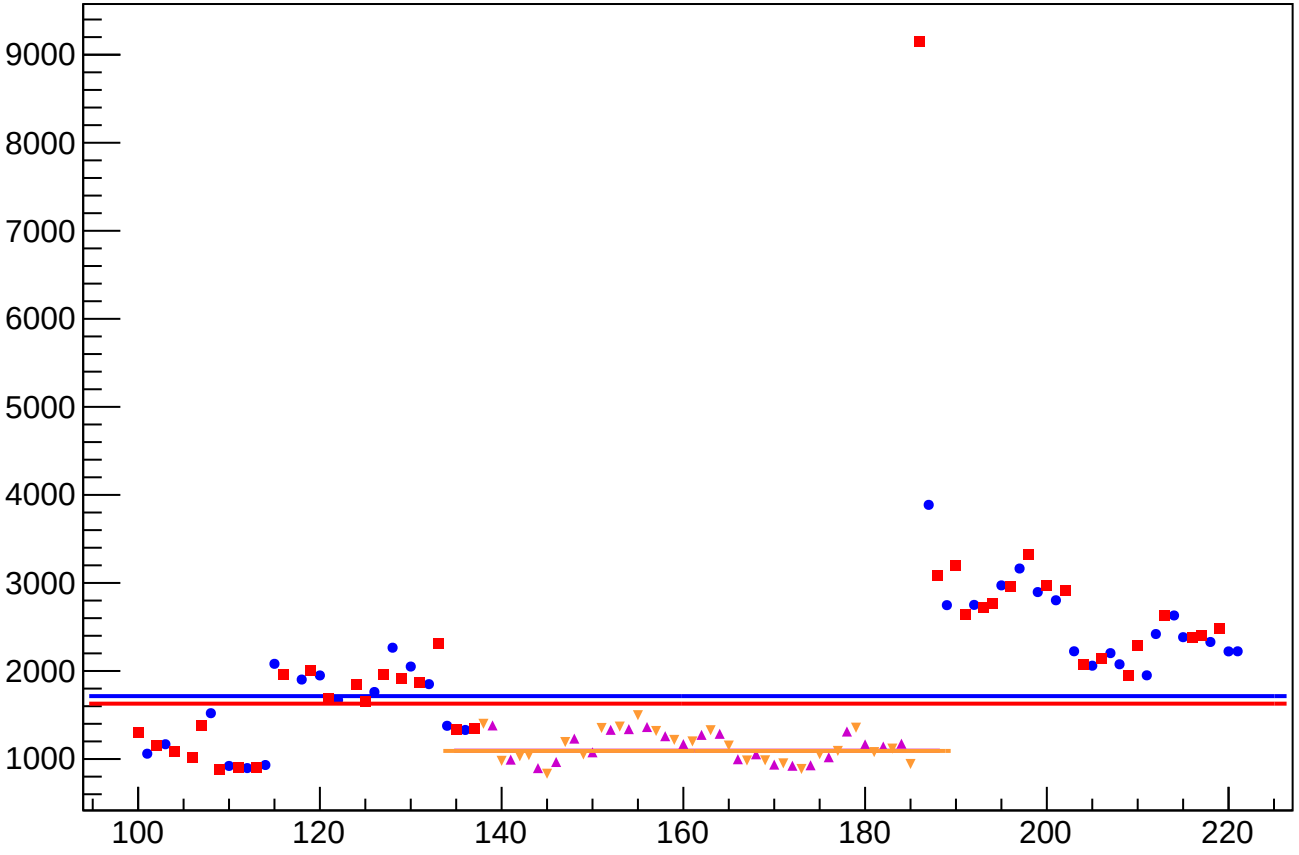
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1314.105+/-211.753 χ^2/NDF: 119.5/58

All: -1052.221+/-150.928 χ^2/NDF: 232.9/118

- sign -781.803+/-215.176 χ^2/NDF: 110.3/59

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1714.475+/-0.277 χ^2/NDF: 5502972.8/33

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1628.862+/-0.274 χ^2/NDF: 7348458.5/36

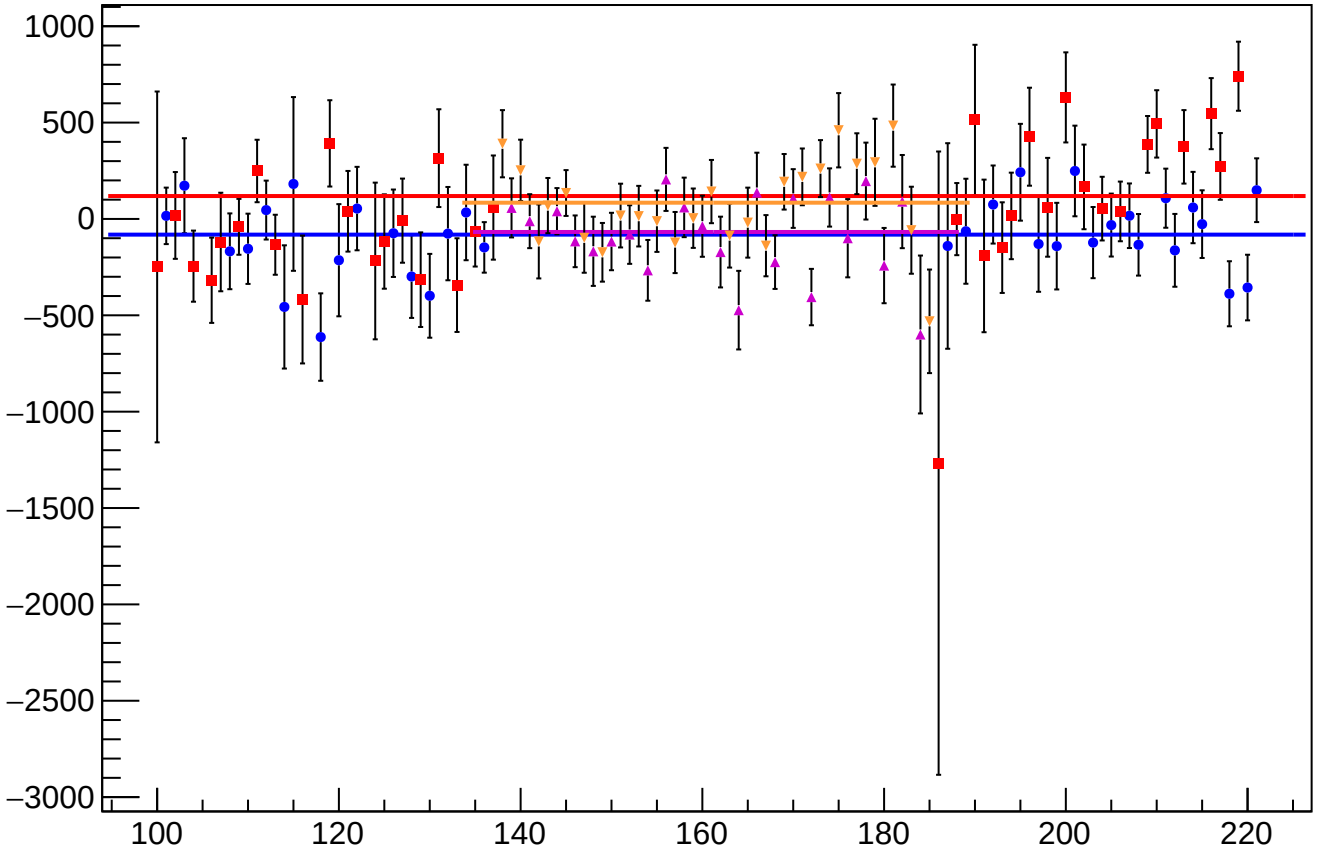
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1274.125+/-0.150 χ^2/NDF: 9972960.7/58

All: 1267.075+/-0.107 χ^2/NDF: 20694425.3/1

- sign 1259.797+/-0.152 χ^2/NDF: 10716959.7/59

cor_asym_sam_48_avg_mean vs Slug



Right In: -81.398+/-33.821 χ^2/NDF: 29.2/33

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 118.837+/-34.723 χ^2/NDF: 67.1/36

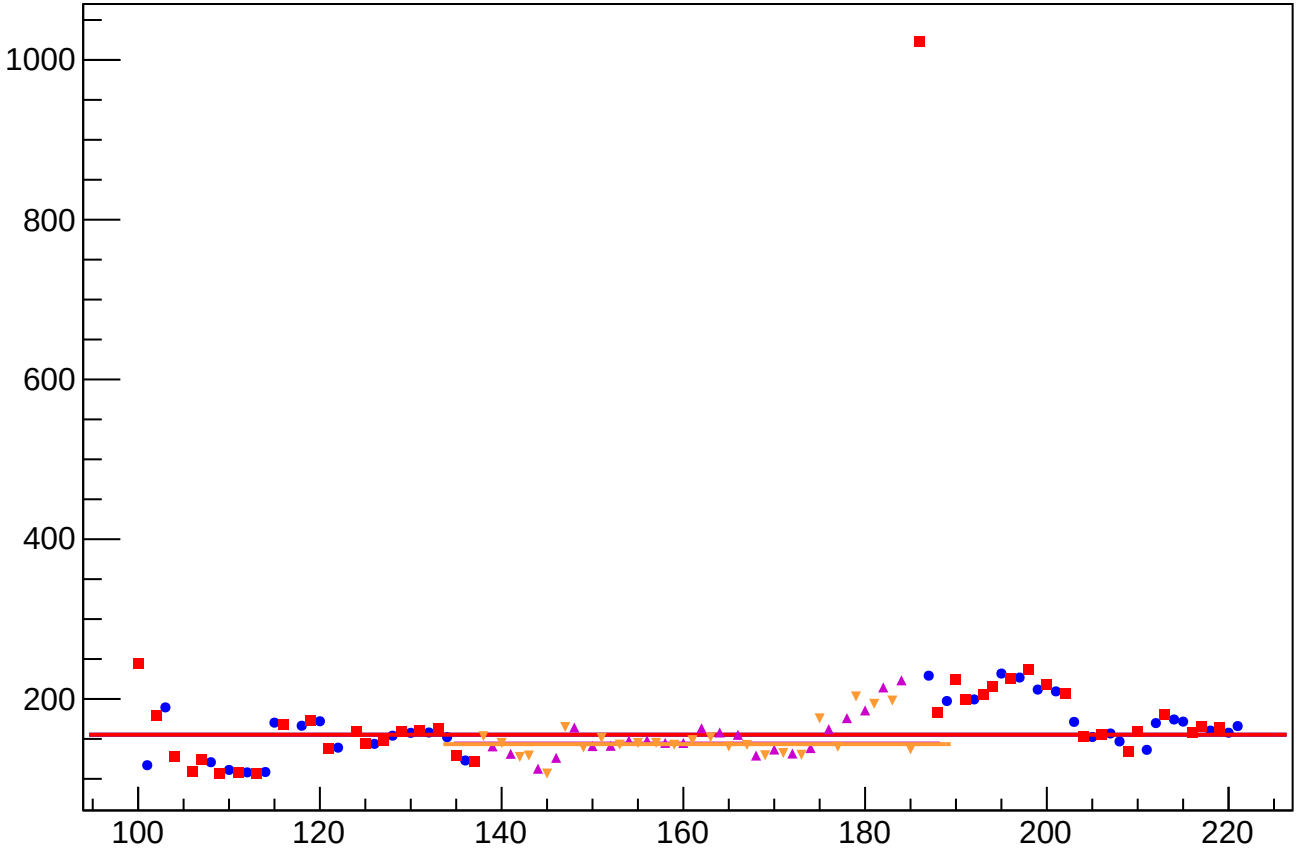
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 3.418+/-23.633 χ^2/NDF: 75.3/58

All: 13.408+/-16.956 χ^2/NDF: 183.9/118

- sign 24.007+/-24.343 χ^2/NDF: 108.3/59

cor_asym_sam_48_avg_rms vs Slug



Right In: 155.227+/-0.024 χ^2/NDF: 1617796.5/33

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

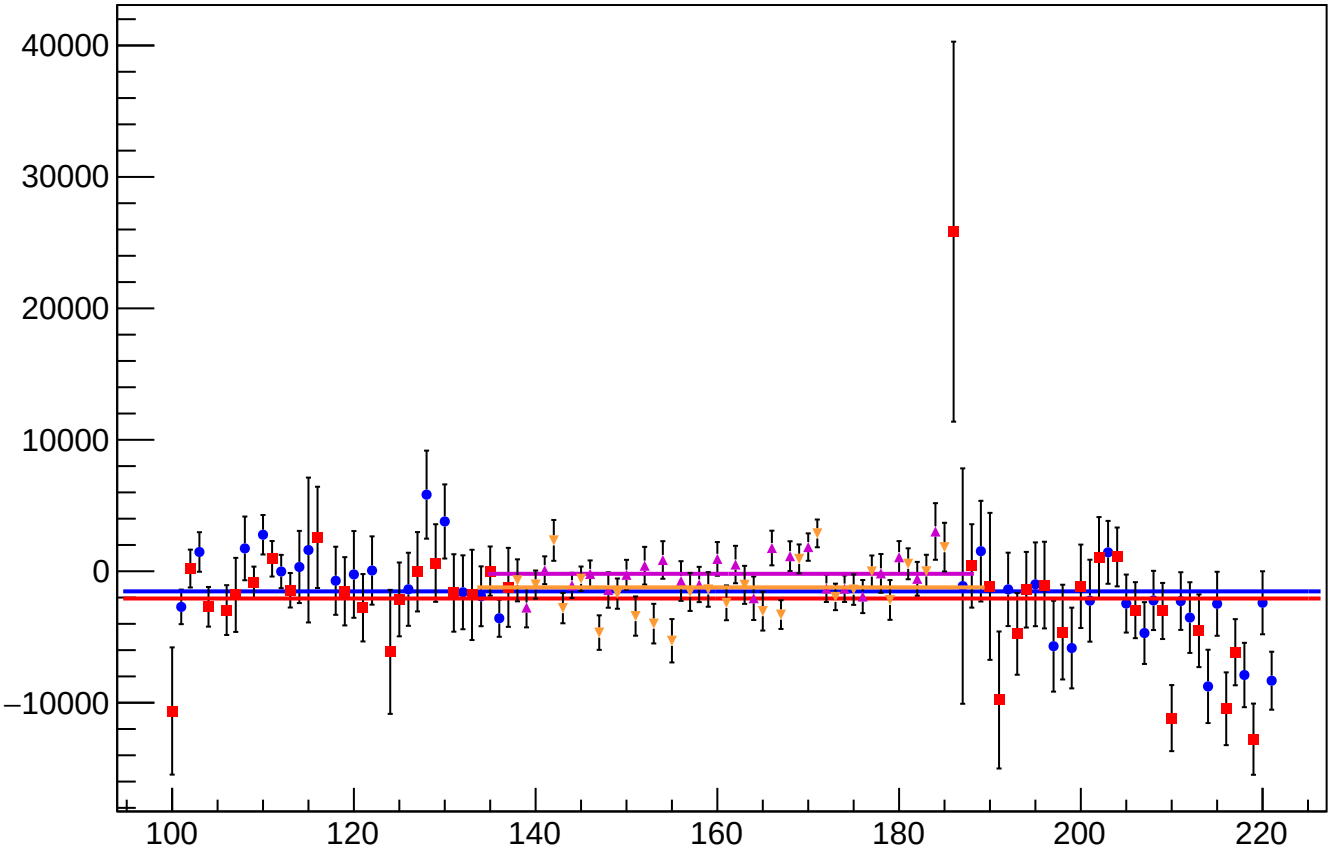
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 149.197+/-0.017 χ^2/NDF: 2489076.4/58

All: 149.411+/-0.012 χ^2/NDF: 5832607.3/118

- sign 149.638+/-0.017 χ^2/NDF: 3343192.7/59

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1529.463+/-391.464 χ^2/NDF: 59.9/33

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -2073.038+/-387.385 χ^2/NDF: 70.0/36

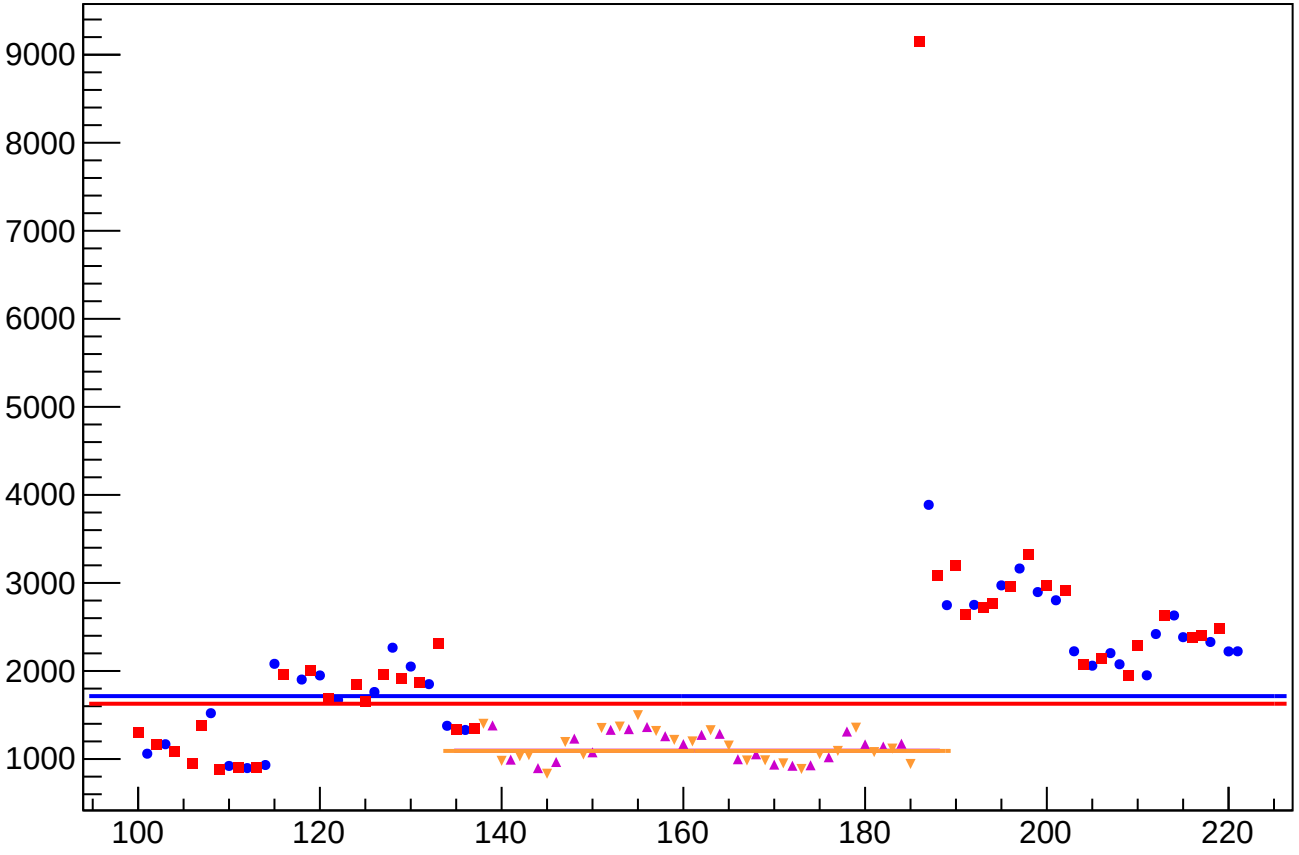
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1314.109+/-211.754 χ^2/NDF: 119.5/58

All: -1048.542+/-150.959 χ^2/NDF: 232.3/118

- sign -774.094+/-215.265 χ^2/NDF: 109.5/59

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1714.488+/-0.277 χ^2/NDF: 5502828.6/33

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

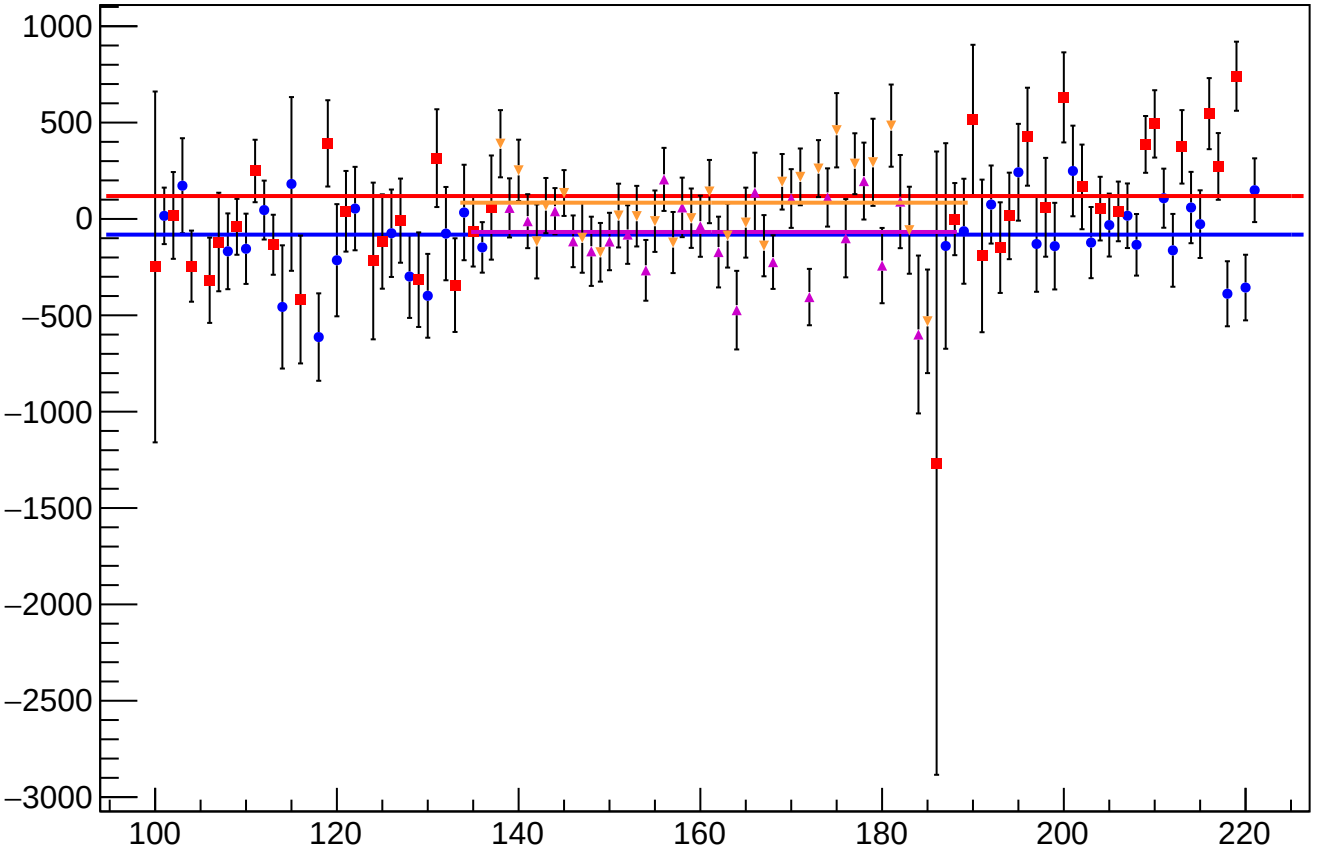
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1274.127+/-0.150 χ^2/NDF: 9972941.3/58

All: 1266.792+/-0.107 χ^2/NDF: 20711511.6/1

- sign 1259.211+/-0.152 χ^2/NDF: 10733690.0/59

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -81.398+/-33.821 χ^2/NDF: 29.2/33

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 118.837+/-34.723 χ^2/NDF: 67.1/36

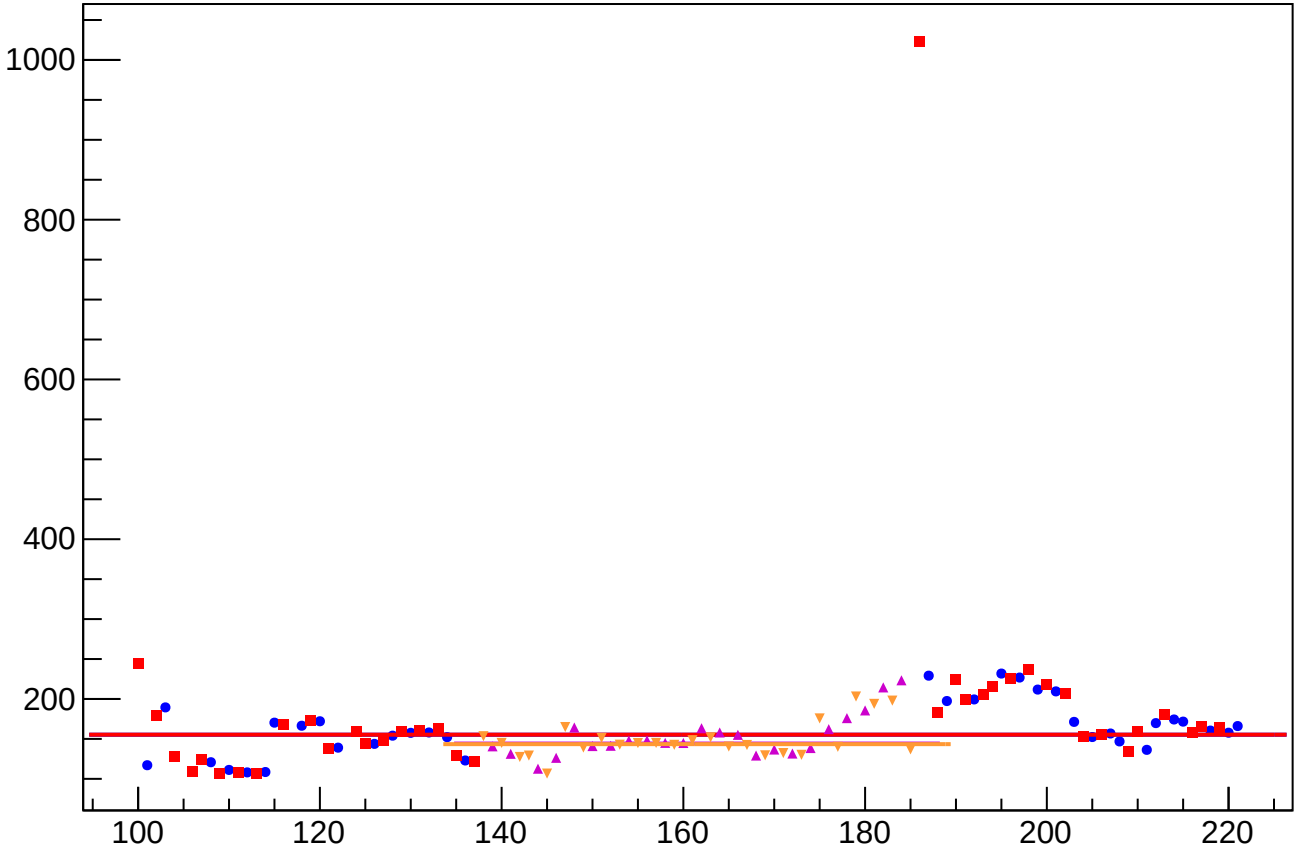
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 3.418+/-23.633 χ^2/NDF: 75.3/58

All: 13.408+/-16.956 χ^2/NDF: 183.9/118

- sign 24.007+/-24.343 χ^2/NDF: 108.3/59

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 155.227+/-0.024 χ^2/NDF: 1617796.5/33

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

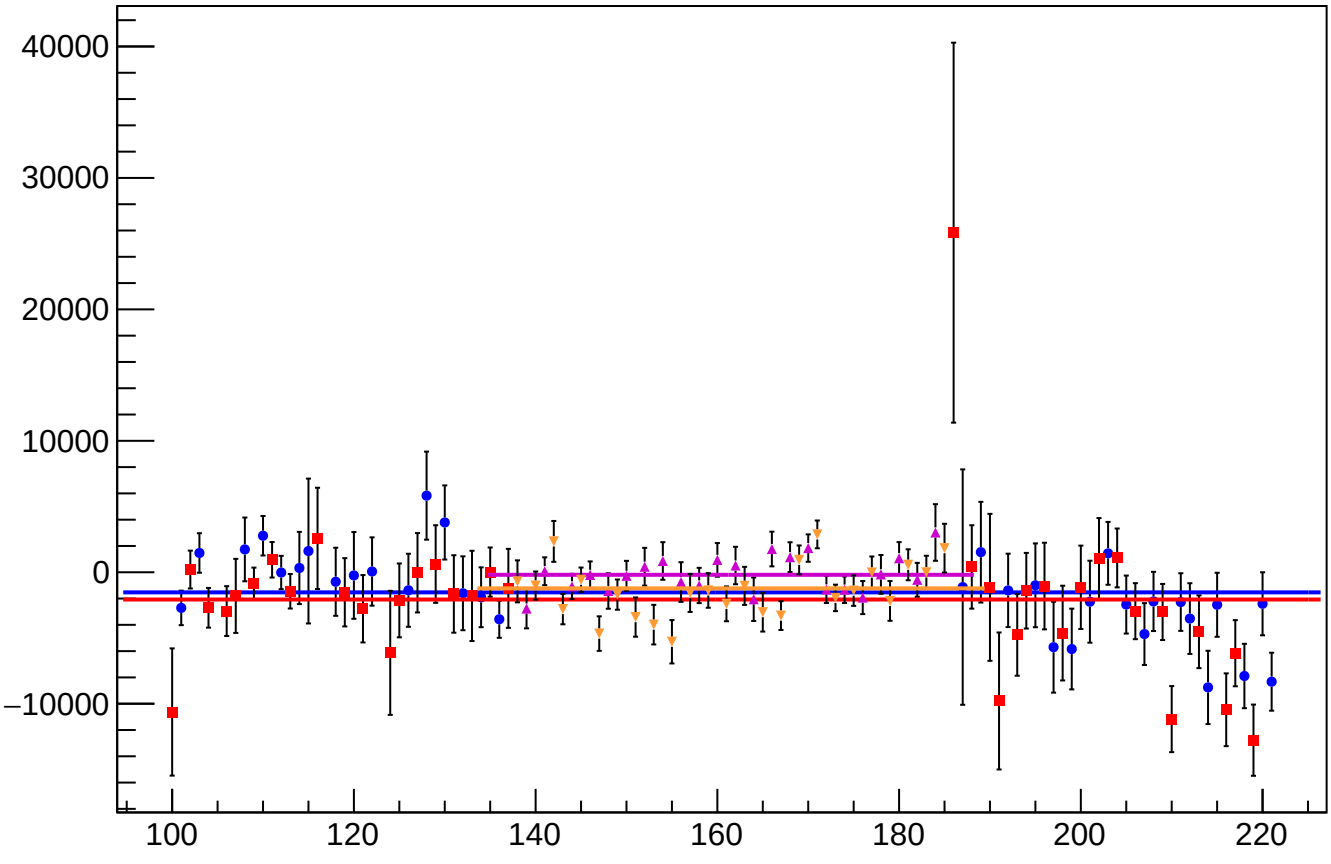
Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 149.197+/-0.017 χ^2/NDF: 2489076.4/58

All: 149.411+/-0.012 χ^2/NDF: 5832607.3/118

- sign 149.638+/-0.017 χ^2/NDF: 3343192.7/59



Right In: -1529.463+/-391.464 χ^2/NDF: 59.9/33

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -2073.038+/-387.385 χ^2/NDF: 70.0/36

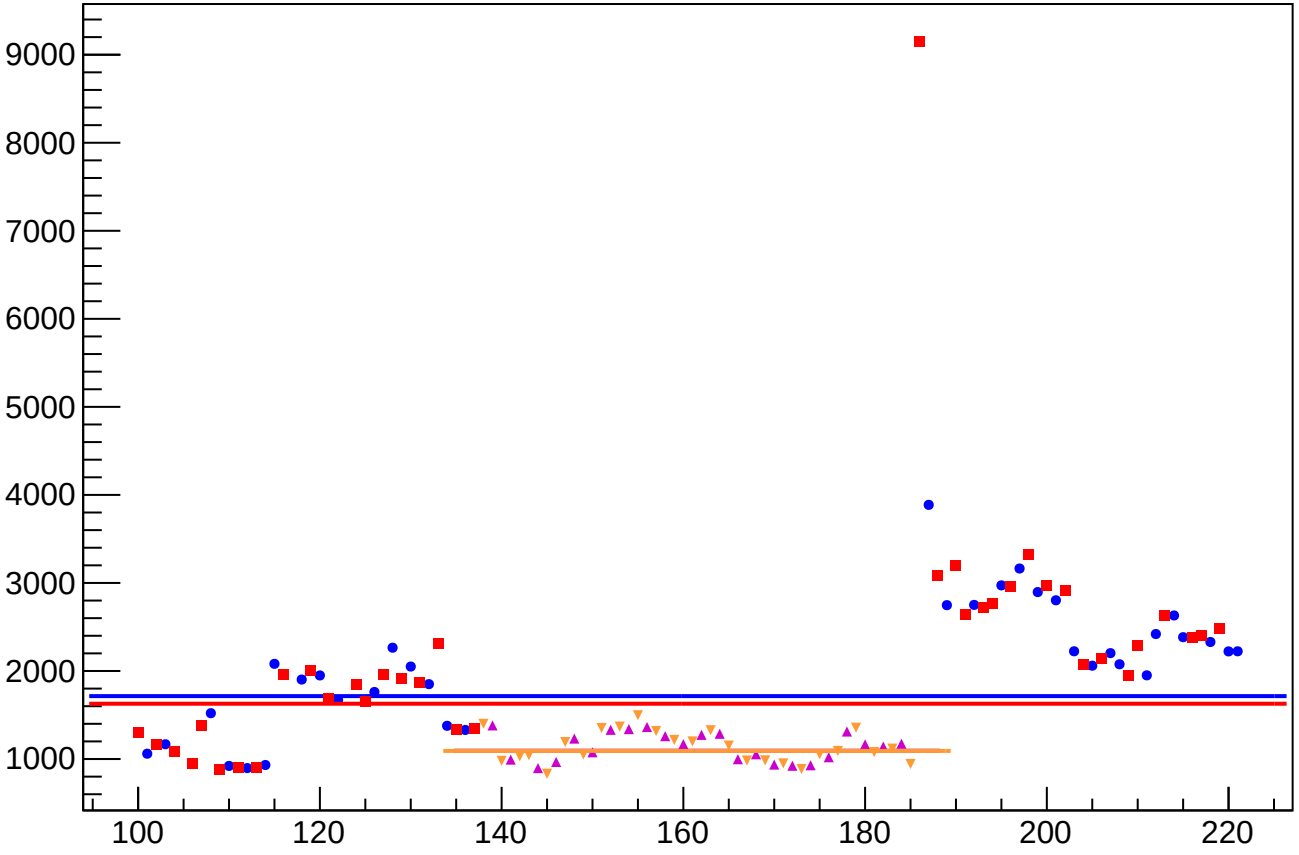
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1314.109+/-211.754 χ^2/NDF: 119.5/58

All: -1048.542+/-150.959 χ^2/NDF: 232.3/118

- sign -774.094+/-215.265 χ^2/NDF: 109.5/59

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1714.488+/-0.277 χ^2/NDF: 5502828.6/33

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

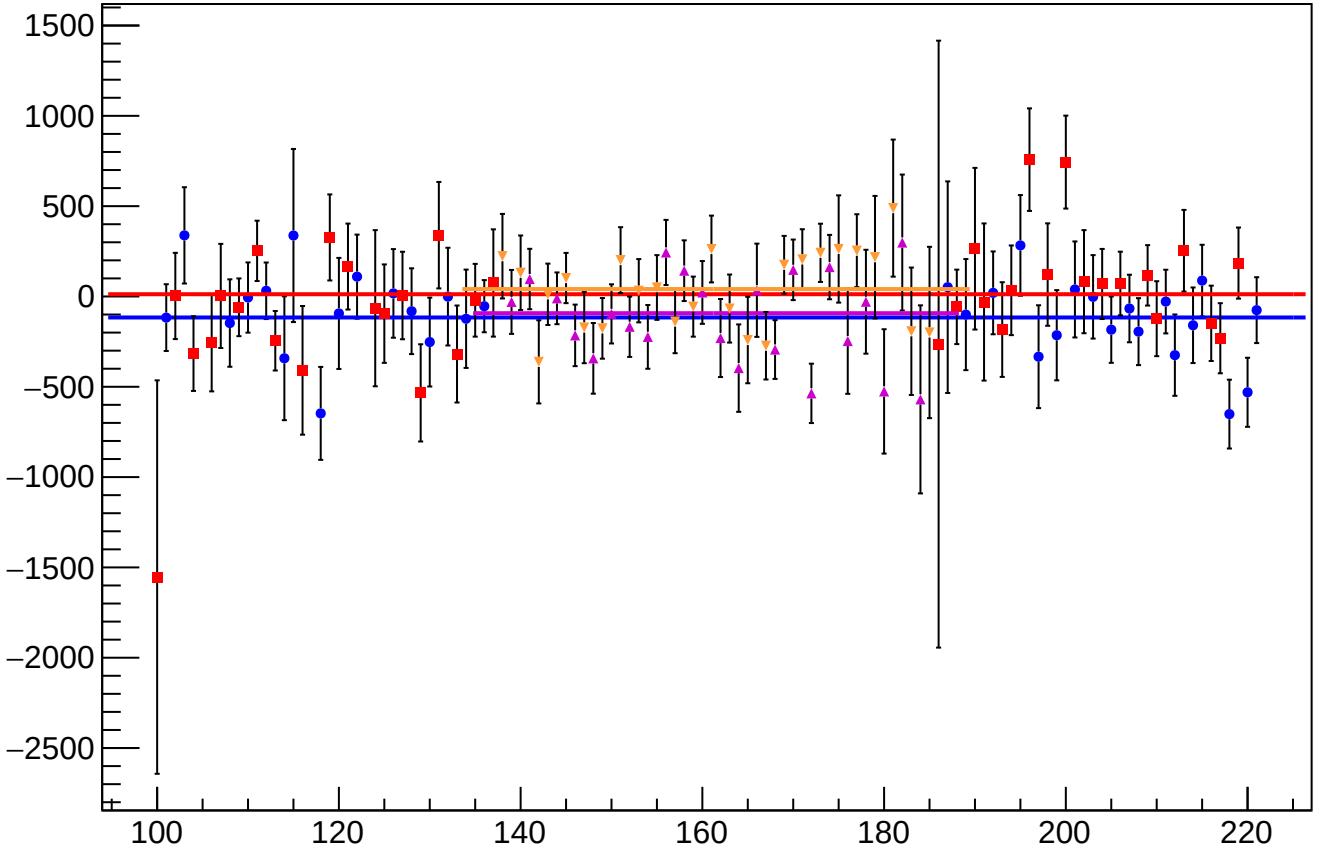
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1274.127+/-0.150 χ^2/NDF: 9972941.3/58

All: 1266.792+/-0.107 χ^2/NDF: 20711511.6/1

- sign 1259.211+/-0.152 χ^2/NDF: 10733690.0/59

dit_asym_sam_48_avg_mean vs Slug



Right In: -116.306+/-38.072 χ^2/NDF: 30.7/33

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 12.456+/-38.822 χ^2/NDF: 42.3/36

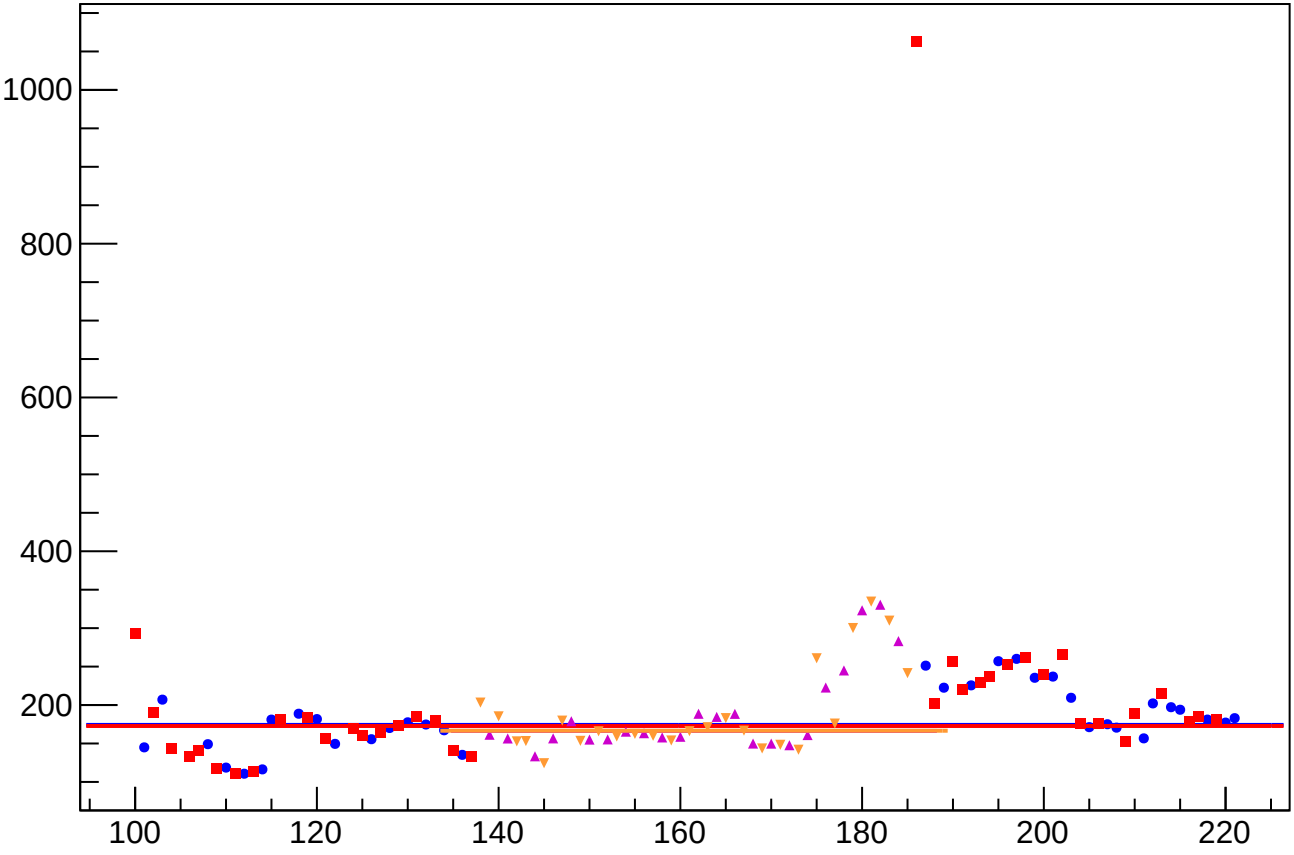
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -39.860+/-27.303 χ^2/NDF: 61.3/58

All: -39.080+/-19.519 χ^2/NDF: 136.7/118

- sign -38.264+/-27.914 χ^2/NDF: 75.3/59

dit_asym_sam_48_avg_rms vs Slug



Right In: 174.140+/-0.027 χ^2/NDF: 1766475.8/33

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 172.777+/-0.027 χ^2/NDF: 2772327.1/36

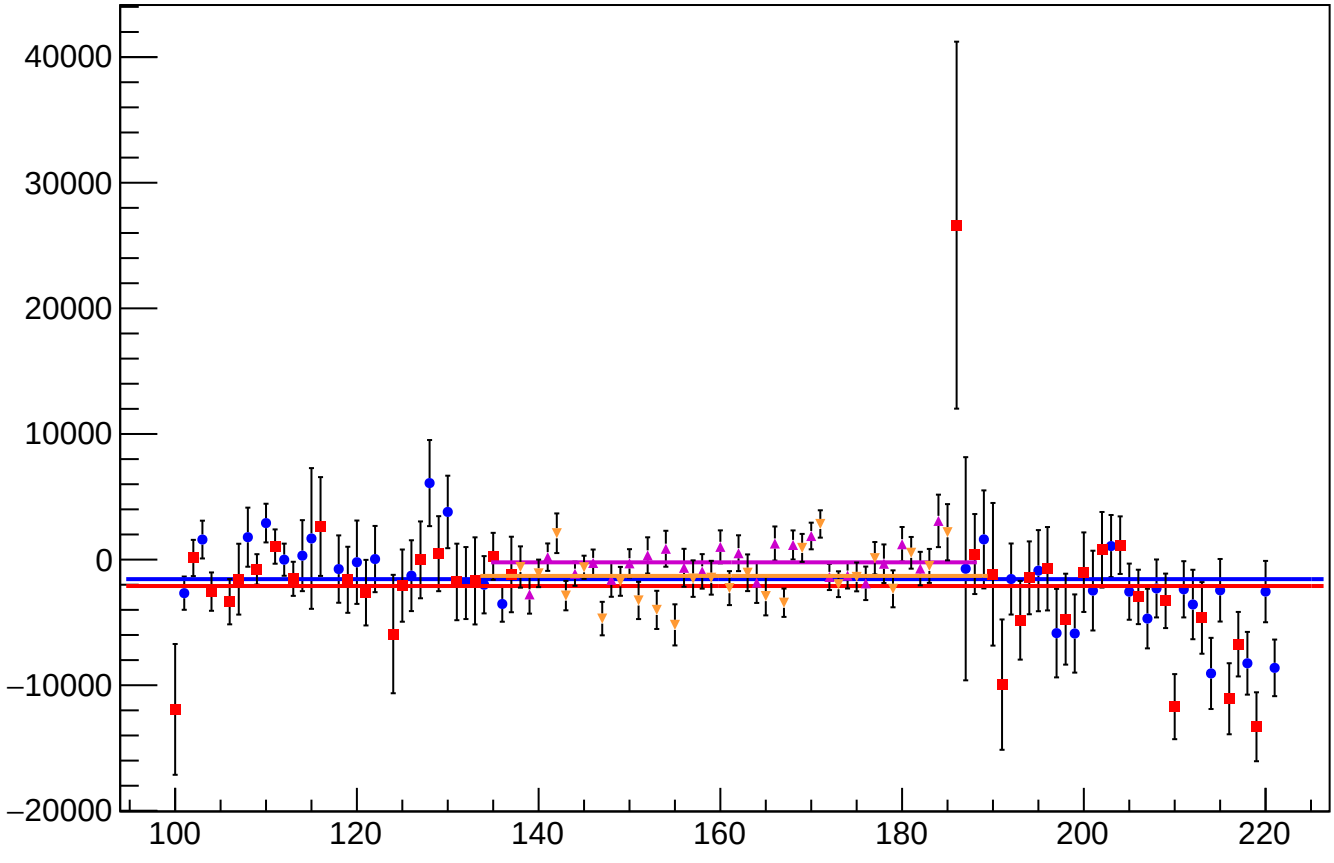
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 170.477+/-0.019 χ^2/NDF: 3524426.9/58

All: 170.074+/-0.014 χ^2/NDF: 7716932.9/118

- sign 169.653+/-0.020 χ^2/NDF: 4191614.1/59

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -1554.384+/-396.662 χ^2/NDF: 61.2/33

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -2102.488+/-391.014 χ^2/NDF: 74.7/36

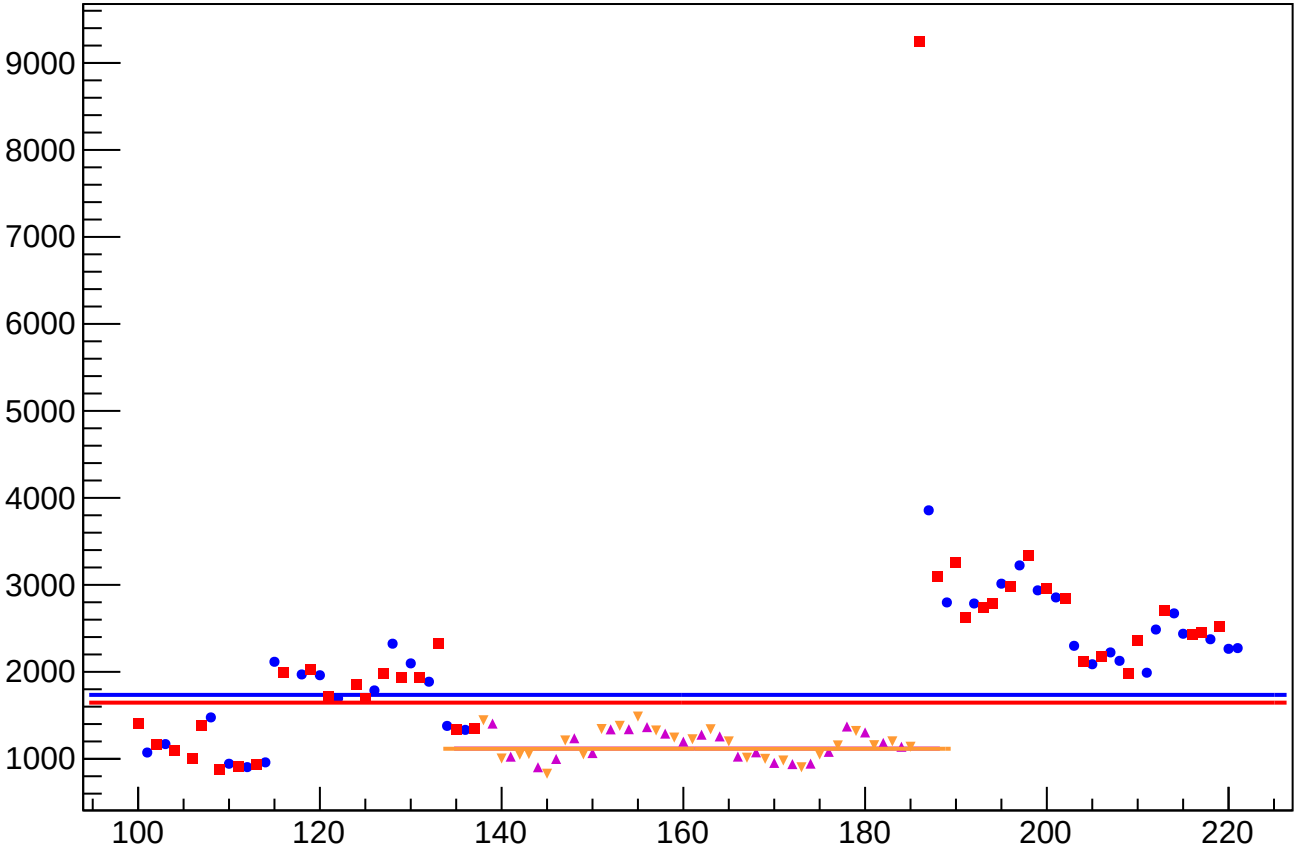
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1374.023+/-215.663 χ^2/NDF: 116.6/58

All: -1095.759+/-153.670 χ^2/NDF: 232.9/118

- sign -808.765+/-219.020 χ^2/NDF: 112.9/59

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1735.295+/-0.280 χ^2/NDF: 5615851.9/33

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1646.075+/-0.276 χ^2/NDF: 7382094.9/36

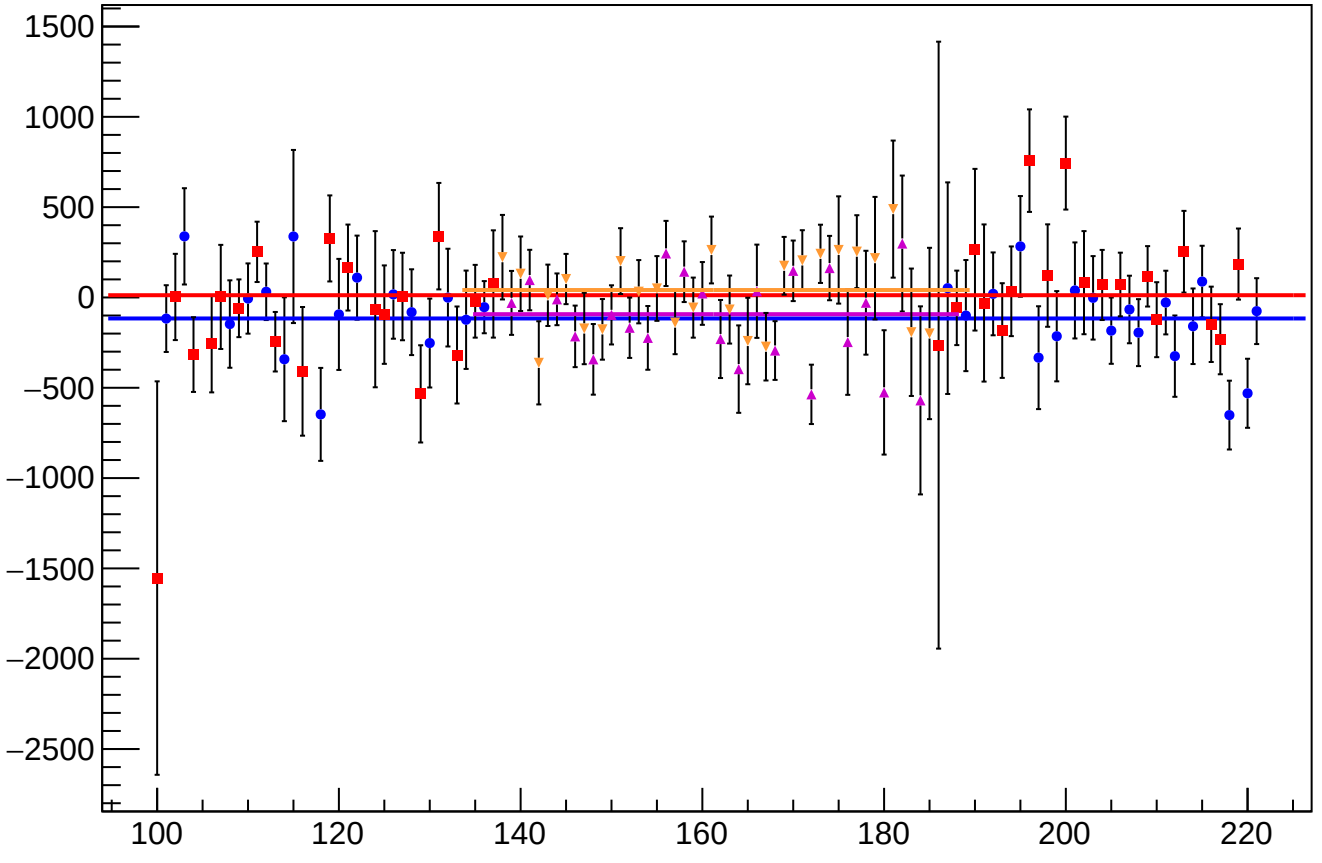
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1299.090+/-0.152 χ^2/NDF: 9916967.6/58

All: 1291.448+/-0.109 χ^2/NDF: 20538485.6/1

- sign 1283.567+/-0.155 χ^2/NDF: 10616417.2/59

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -116.301+/-38.072 χ^2/NDF: 30.7/33

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 12.460+/-38.822 χ^2/NDF: 42.3/36

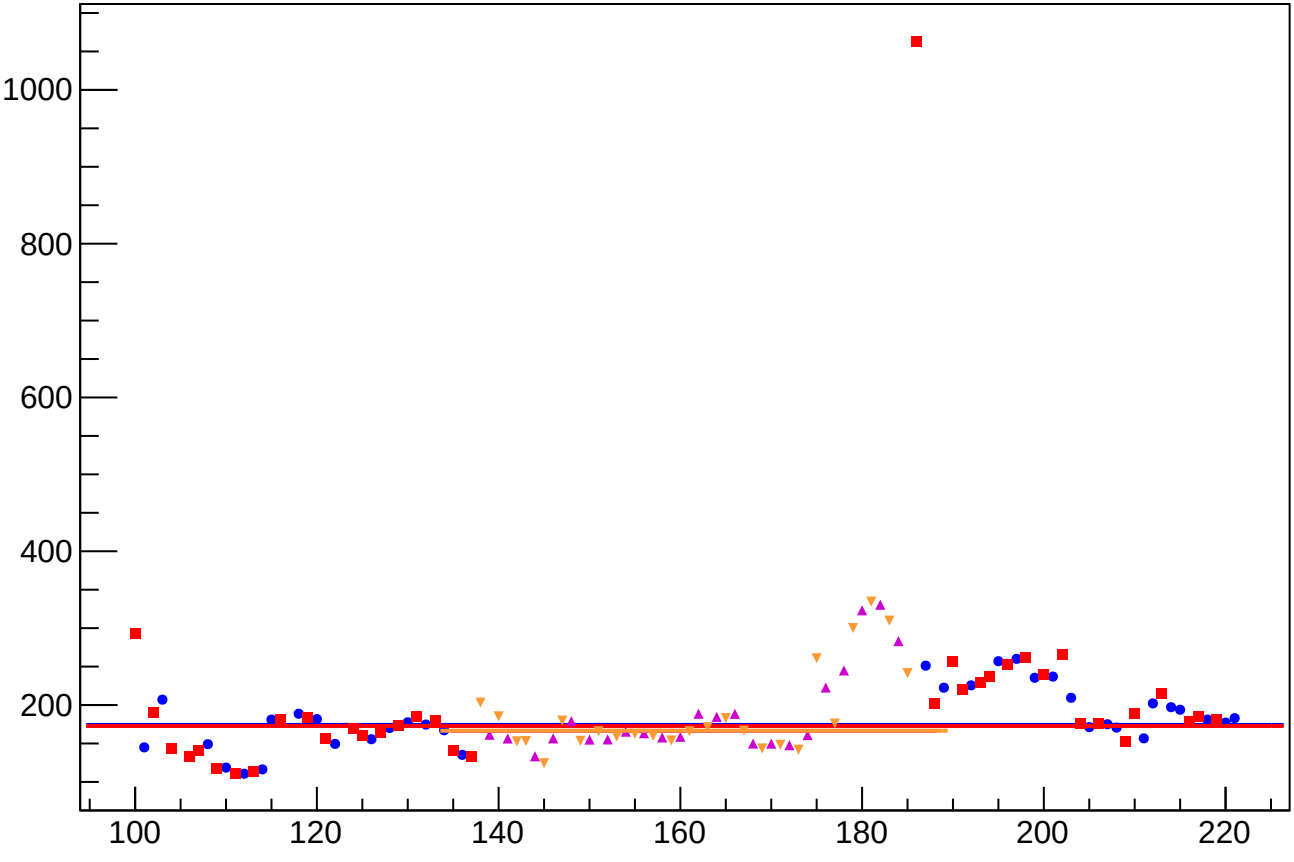
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -39.857+/-27.303 χ^2/NDF: 61.3/58

All: -39.077+/-19.519 χ^2/NDF: 136.7/118

- sign -38.262+/-27.914 χ^2/NDF: 75.3/59

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 174.140+/-0.027 χ^2/NDF: 1766454.8/33

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

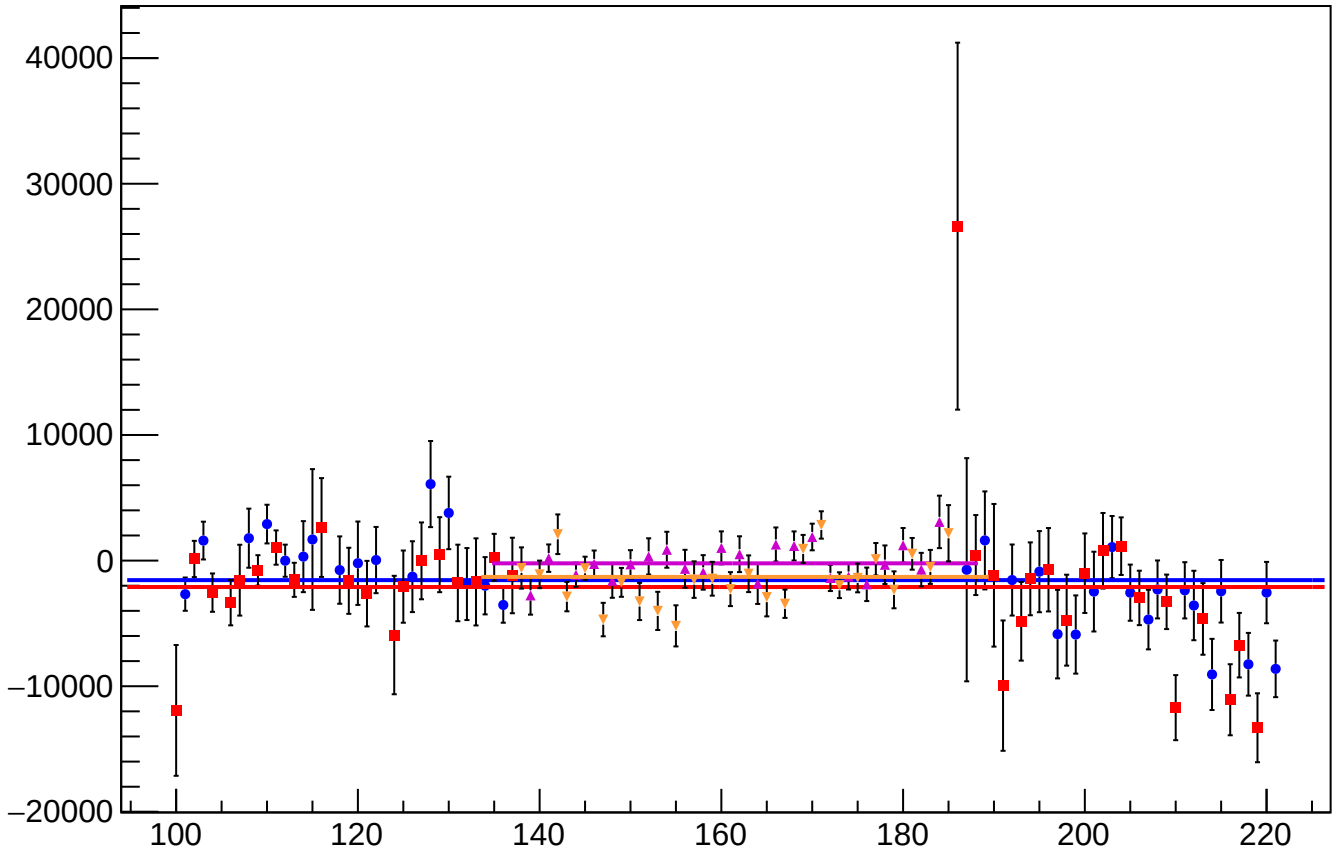
Right Out: 172.777+/-0.027 χ^2/NDF: 2772328.2/36

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 170.477+/-0.019 χ^2/NDF: 3524395.3/58

All: 170.074+/-0.014 χ^2/NDF: 7716879.3/118

- sign 169.653+/-0.020 χ^2/NDF: 4191592.2/59



Right In: -1554.382+/-396.662 χ^2/NDF: 61.2/33

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -2102.485+/-391.014 χ^2/NDF: 74.7/36

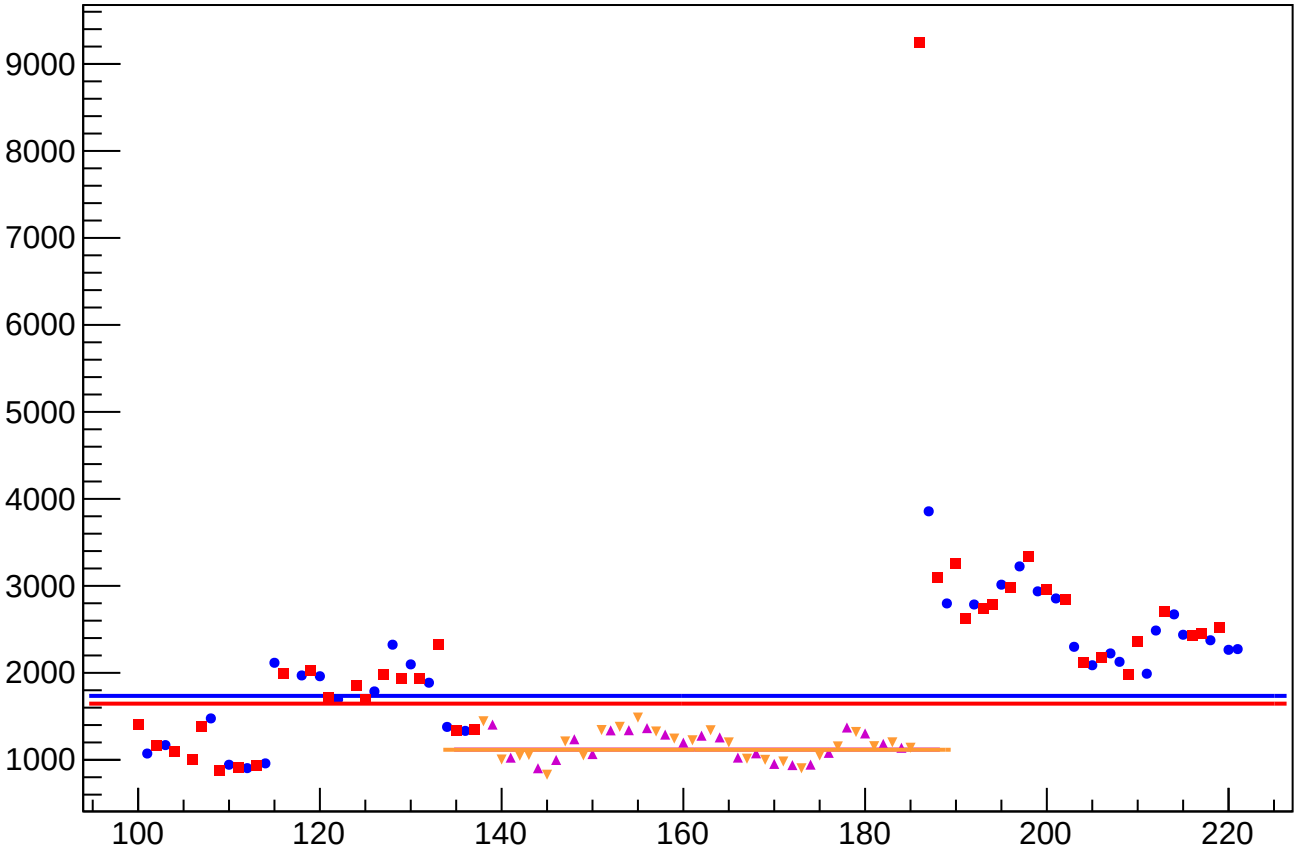
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1374.020+/-215.663 χ^2/NDF: 116.6/58

All: -1095.756+/-153.670 χ^2/NDF: 232.9/118

- sign -808.762+/-219.019 χ^2/NDF: 112.9/59

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1735.293+/-0.280 χ^2/NDF: 5615851.9/33

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1646.073+/-0.276 χ^2/NDF: 7382094.6/36

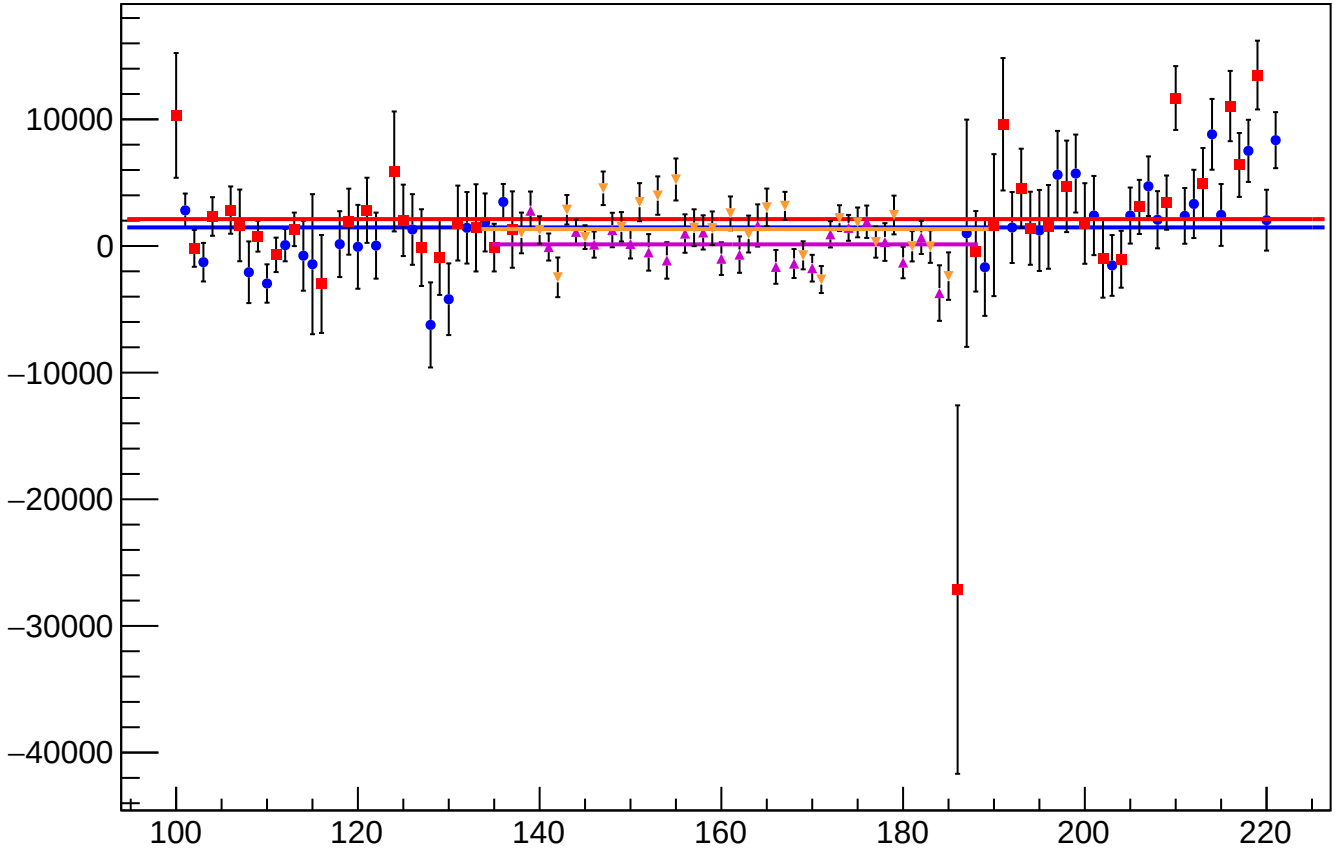
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1299.088+/-0.152 χ^2/NDF: 9916979.6/58

All: 1291.446+/-0.109 χ^2/NDF: 20538504.6/1

- sign 1283.565+/-0.155 χ^2/NDF: 10616424.3/59

asym_sam_48_avg_mean vs Slug



Right In: 1467.284+/-393.645 χ^2/NDF: 60.5/33

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 2123.015+/-389.216 χ^2/NDF: 74.8/36

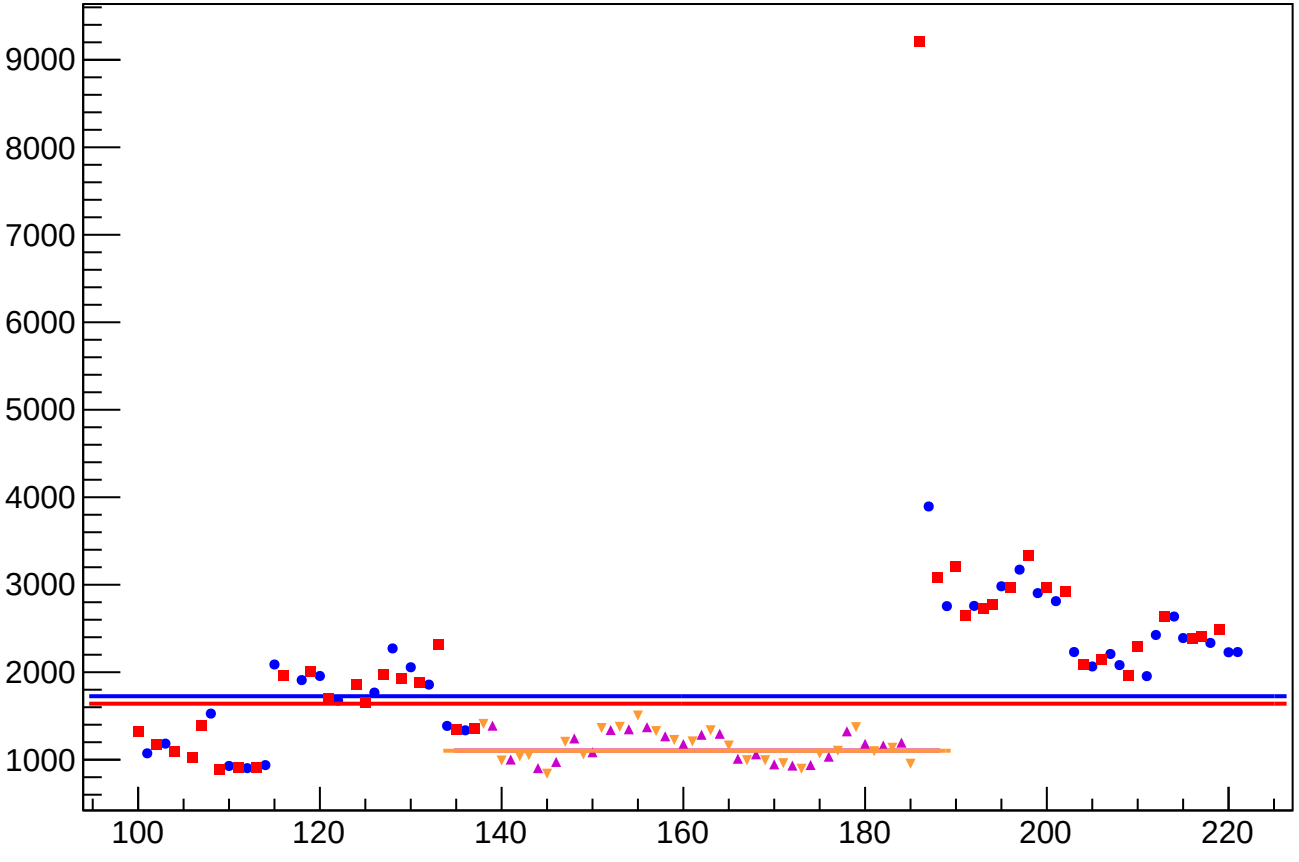
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1373.717+/-213.537 χ^2/NDF: 116.3/58

All: 1066.126+/-152.207 χ^2/NDF: 237.4/118

- sign 748.447+/-217.011 χ^2/NDF: 116.9/59

asym_sam_48_avg_rms vs Slug



Right In: 1725.735+/-0.278 χ^2/NDF: 5427276.3/33

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1640.362+/-0.275 χ^2/NDF: 7270447.8/36

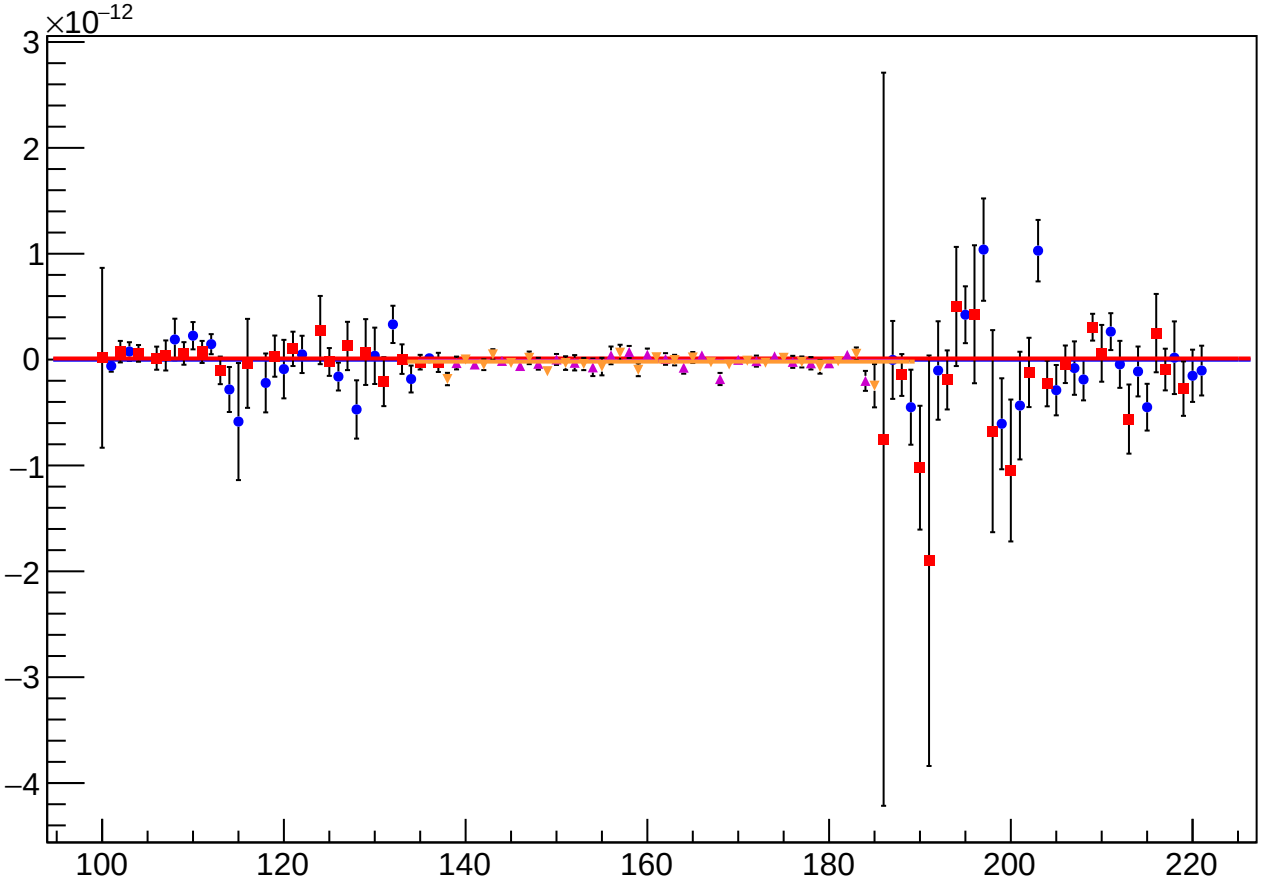
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1286.038+/-0.151 χ^2/NDF: 9843542.9/58

All: 1278.919+/-0.108 χ^2/NDF: 20447489.1/1

- sign 1271.567+/-0.153 χ^2/NDF: 10599427.7/59

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 56.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

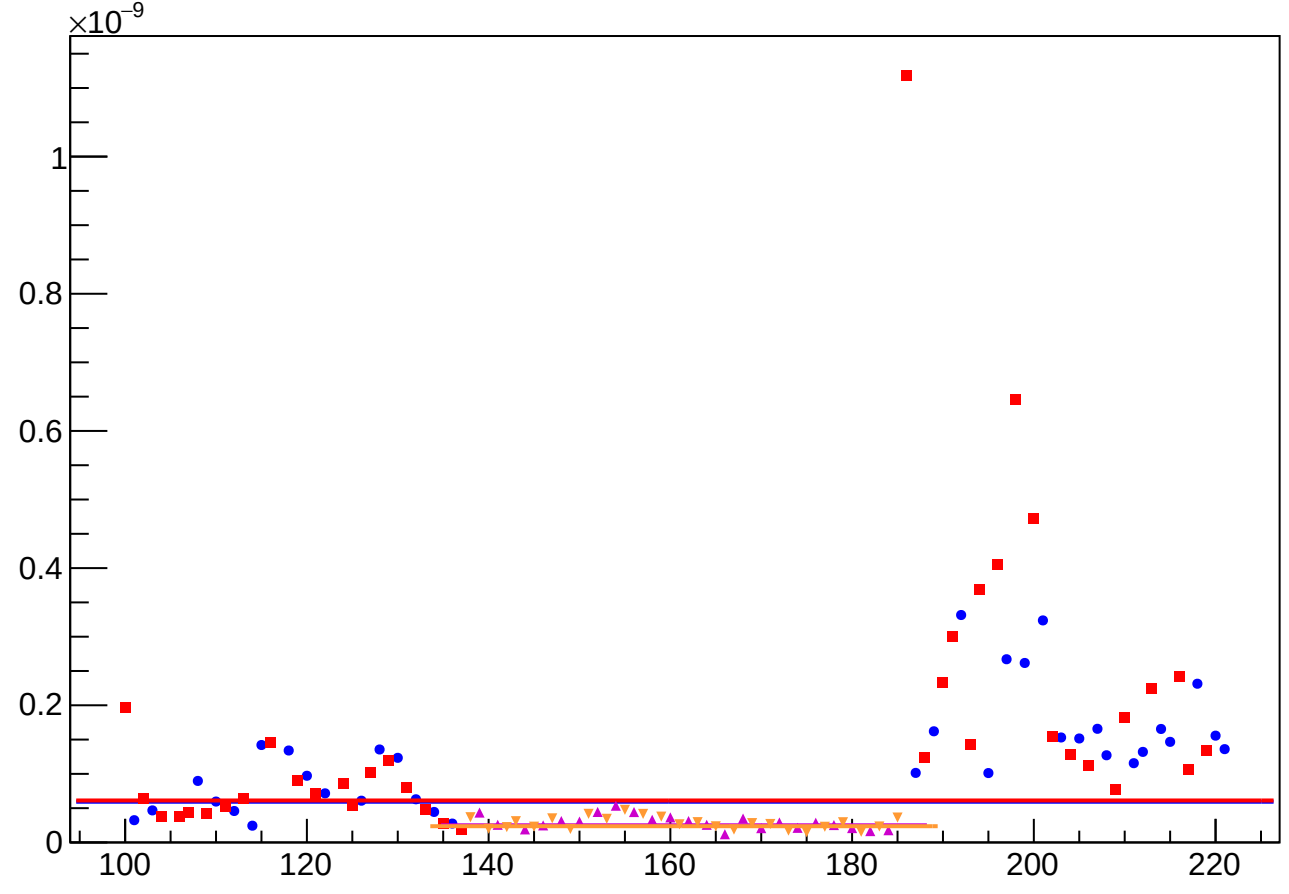
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/36

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.9/58

All: -0.000+/-0.000 χ^2/NDF: 137.2/118

- sign -0.000+/-0.000 χ^2/NDF: 54.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 7684903.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

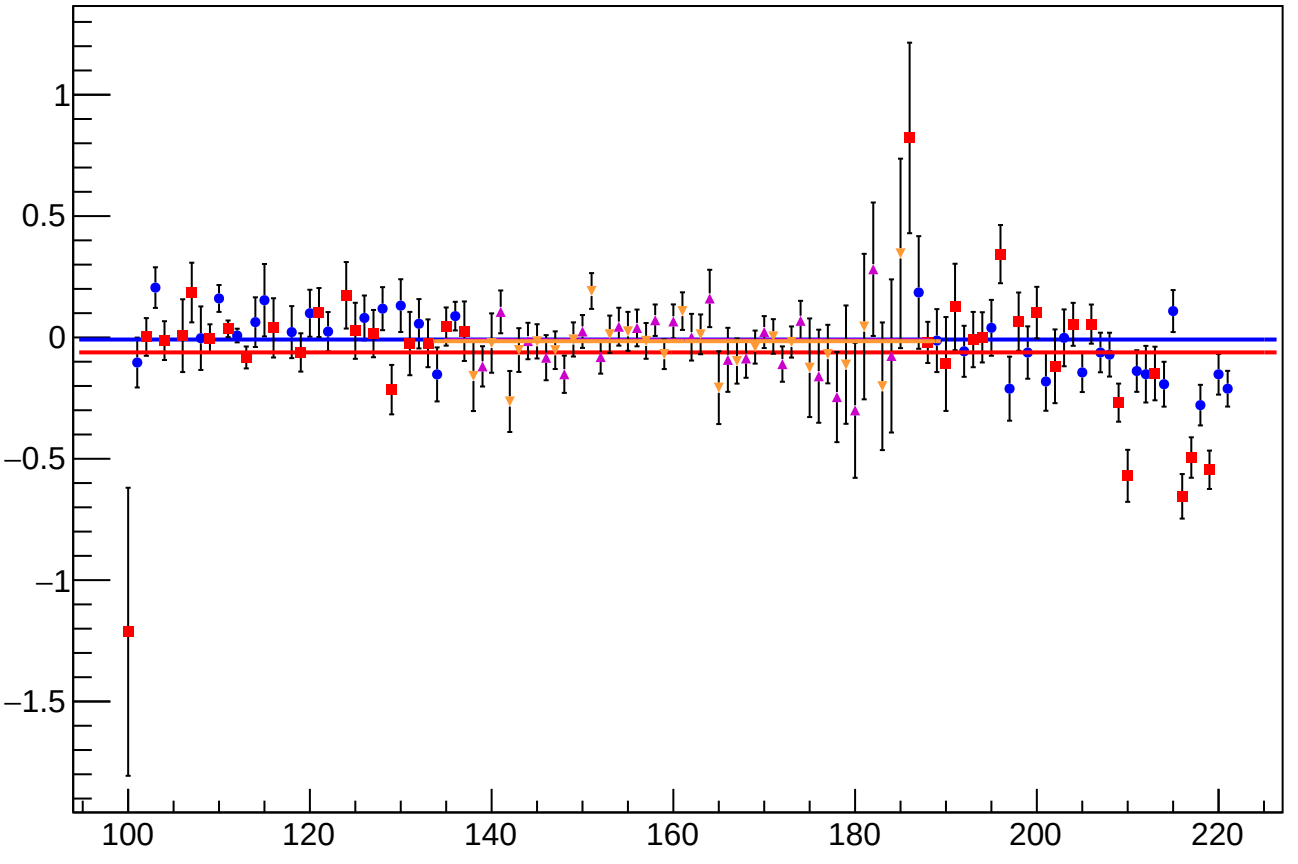
Right Out: 0.000+/-0.000 χ^2/NDF: 7288118.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12797697.6/58

All: 0.000+/-0.000 χ^2/NDF: 24964524.6/118

- sign 0.000+/-0.000 χ^2/NDF: 12131765.5/59



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

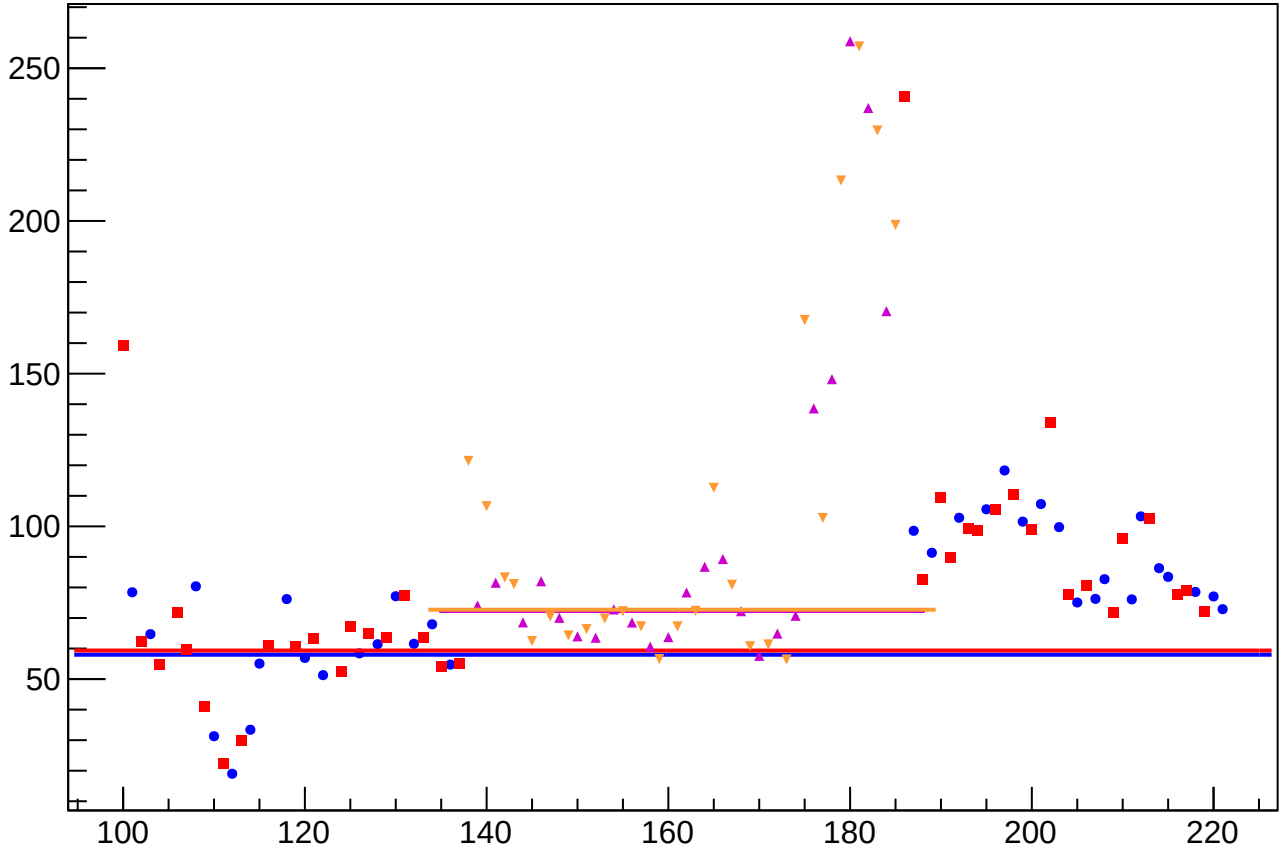
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.026+/-0.008 χ^2/NDF: 316.0/118

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.974+/-0.010 χ^2/NDF: 8357527.1/33

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

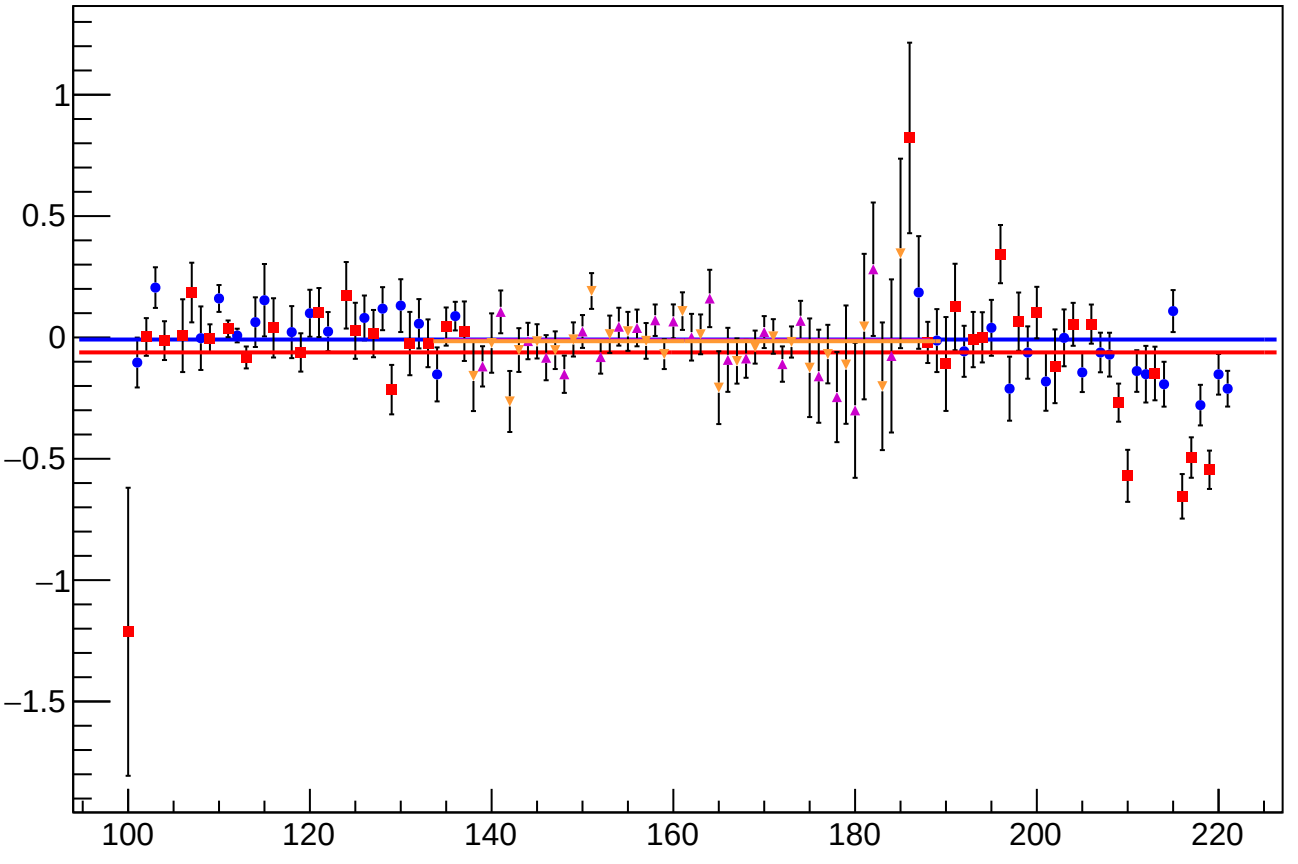
Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153455.6/58

All: 63.950+/-0.006 χ^2/NDF: 23898711.5/118

- sign 64.336+/-0.008 χ^2/NDF: 10740711.3/59



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

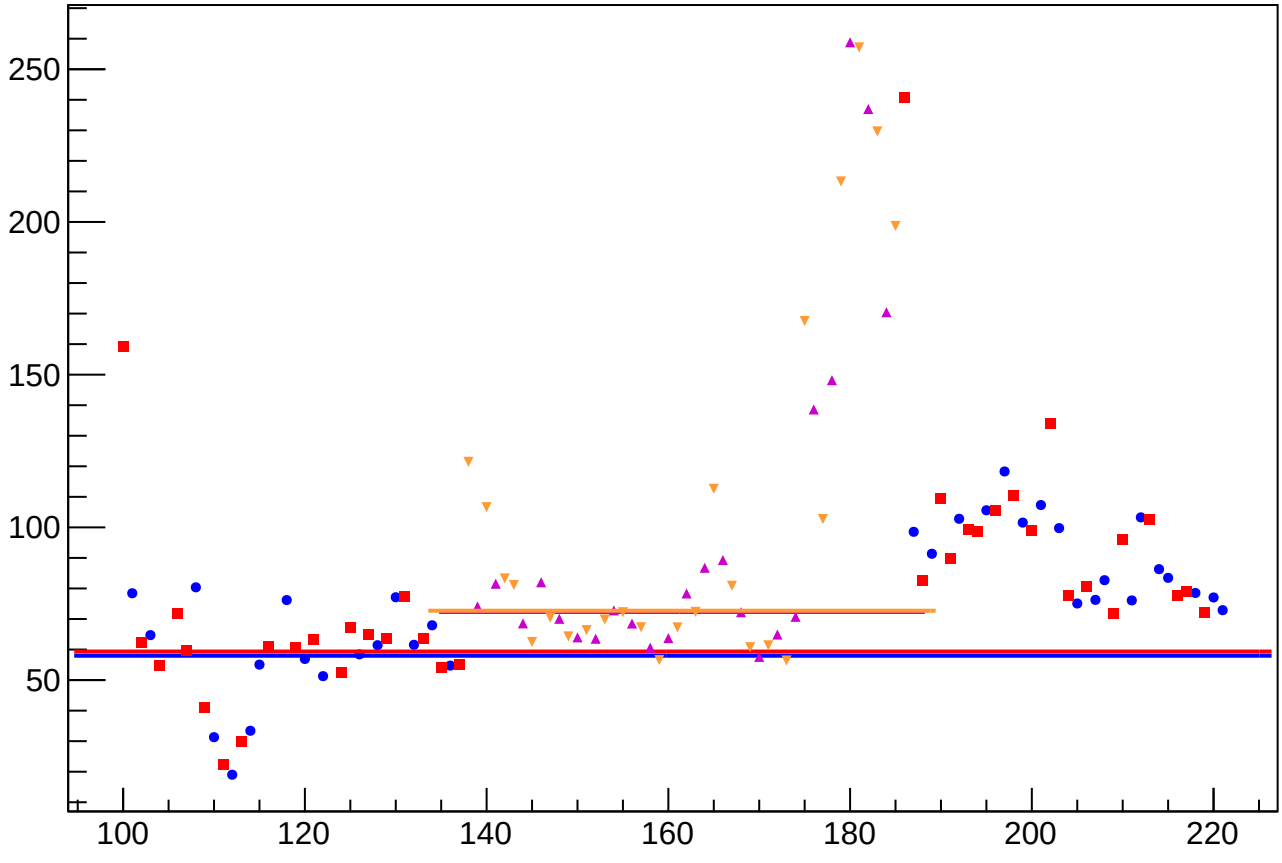
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.026+/-0.008 χ^2/NDF: 316.0/118

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 57.974+/-0.010 χ^2/NDF: 8357527.1/33

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

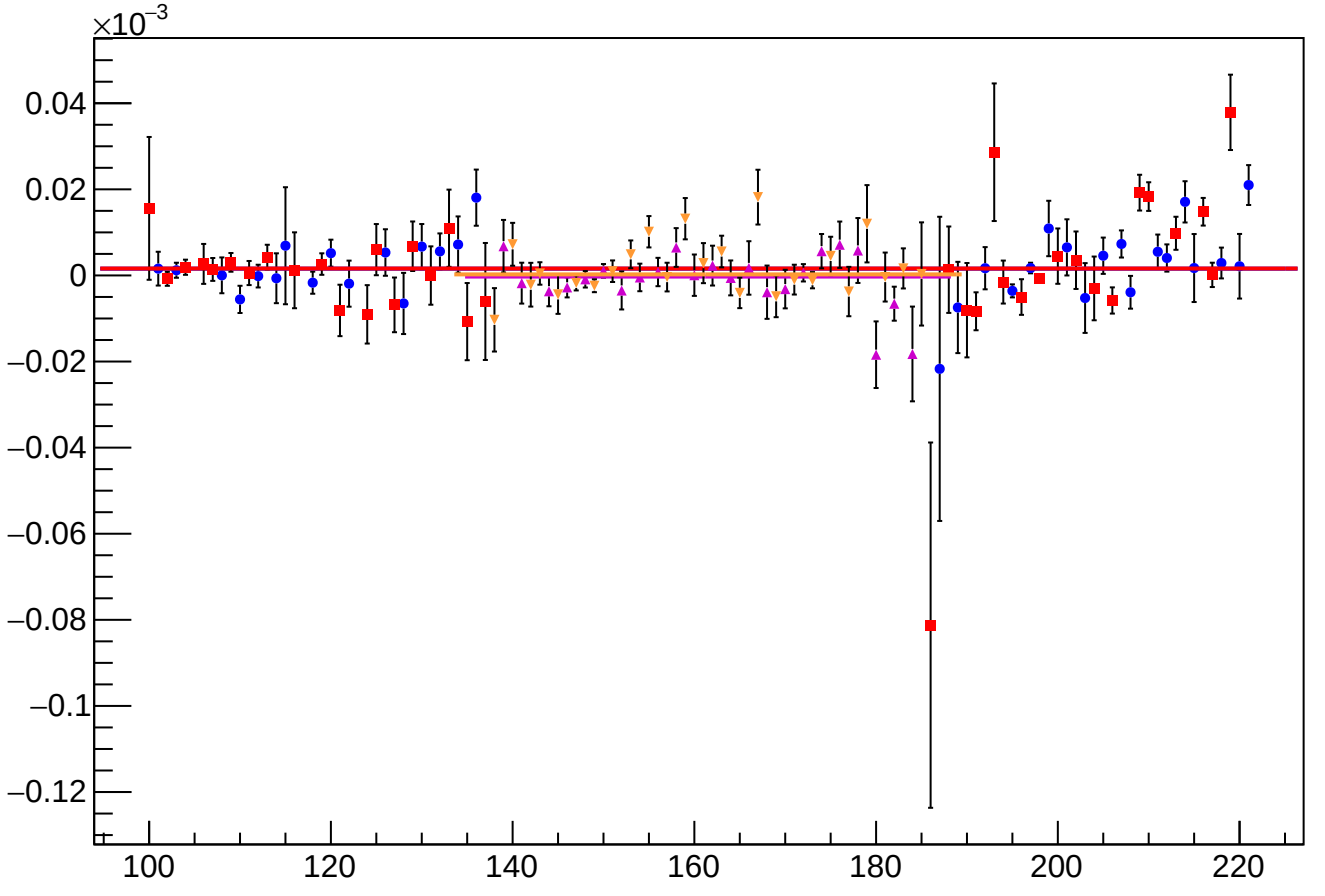
Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153455.6/58

All: 63.950+/-0.006 χ^2/NDF: 23898711.5/118

- sign 64.336+/-0.008 χ^2/NDF: 10740711.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 72.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

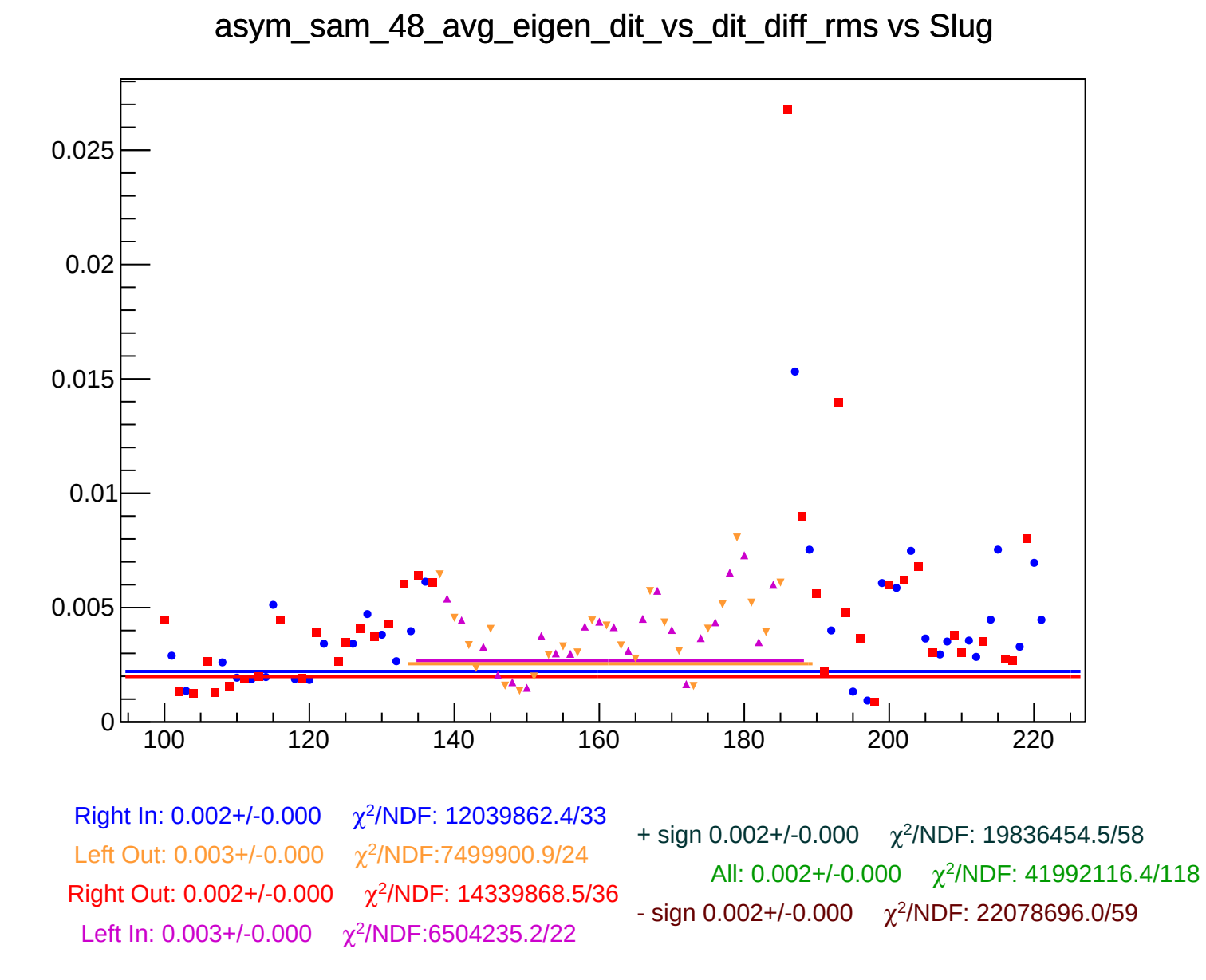
Right Out: 0.000+/-0.000 χ^2/NDF: 125.4/36

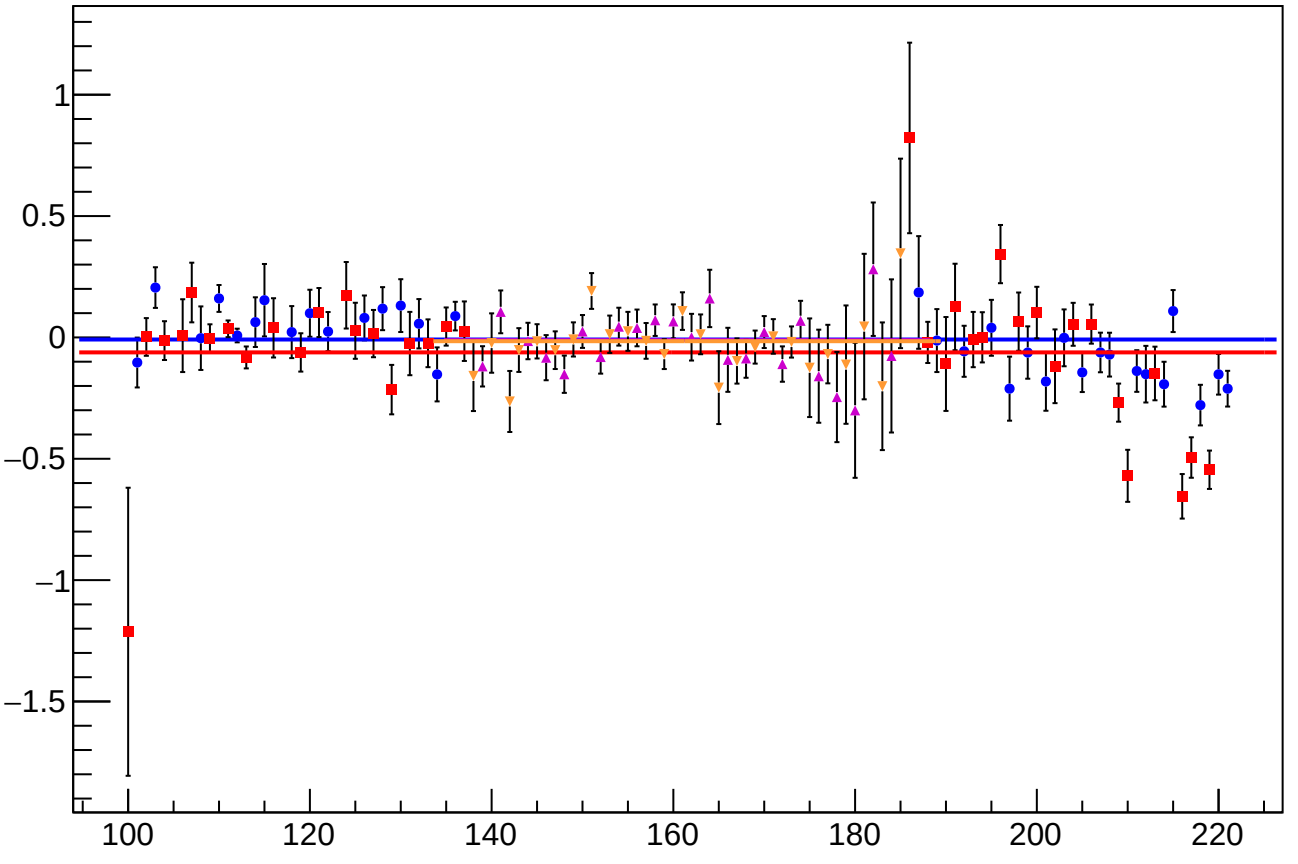
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 117.7/58

All: 0.000+/-0.000 χ^2/NDF: 271.6/118

- sign 0.000+/-0.000 χ^2/NDF: 153.9/59


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 12039862.4/33
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 14339868.5/36
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 19836454.5/58
All: 0.002+/-0.000 χ²/NDF: 41992116.4/118
- sign 0.002+/-0.000 χ²/NDF: 22078696.0/59



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

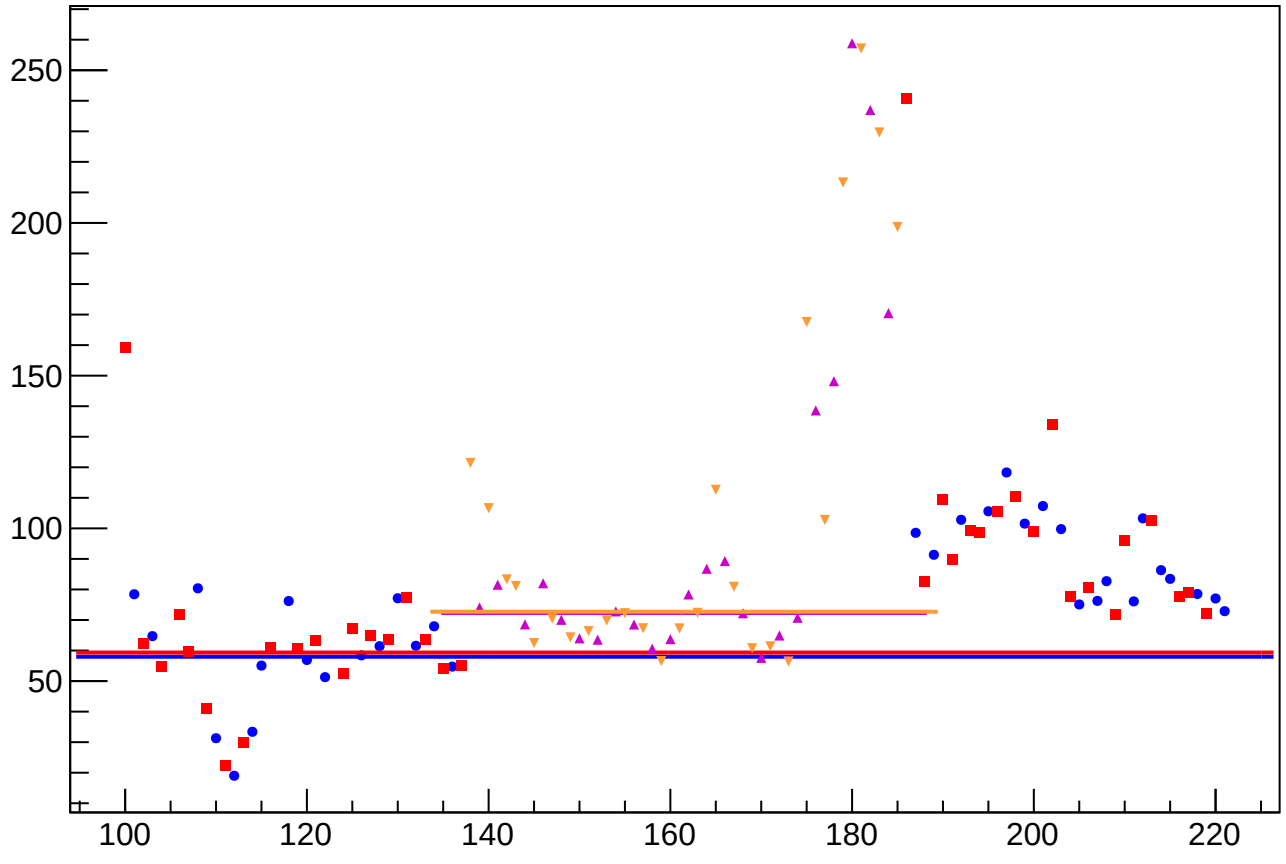
Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.026+/-0.008 χ^2/NDF: 316.0/118

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59



Right In: 57.974+/-0.010 χ^2/NDF: 8357803.9/33

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

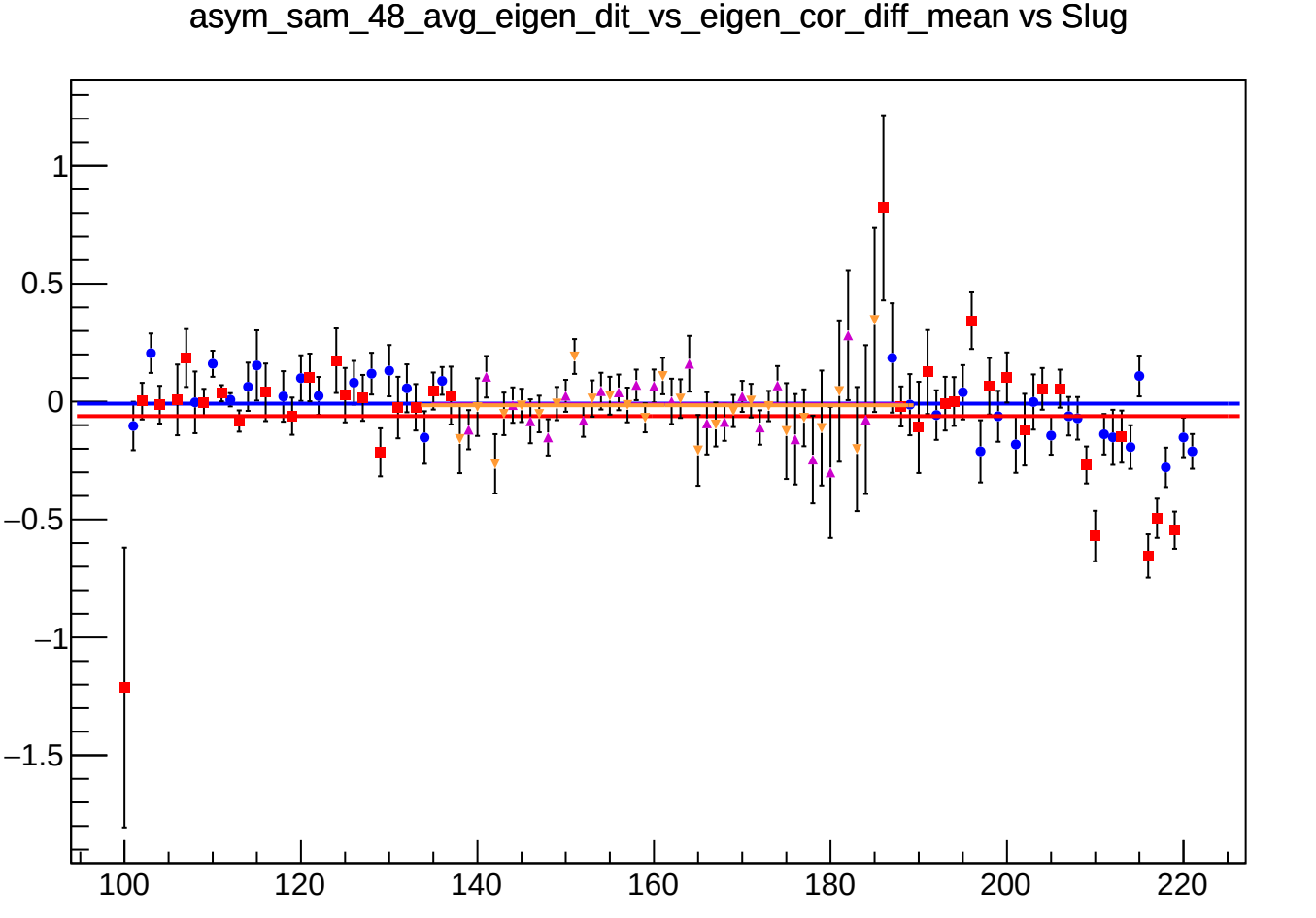
Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153858.6/58

All: 63.949+/-0.006 χ^2/NDF: 23899528.0/118

- sign 64.335+/-0.008 χ^2/NDF: 10741123.5/59



Right In: -0.009+/-0.014 χ^2/NDF: 69.6/33

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

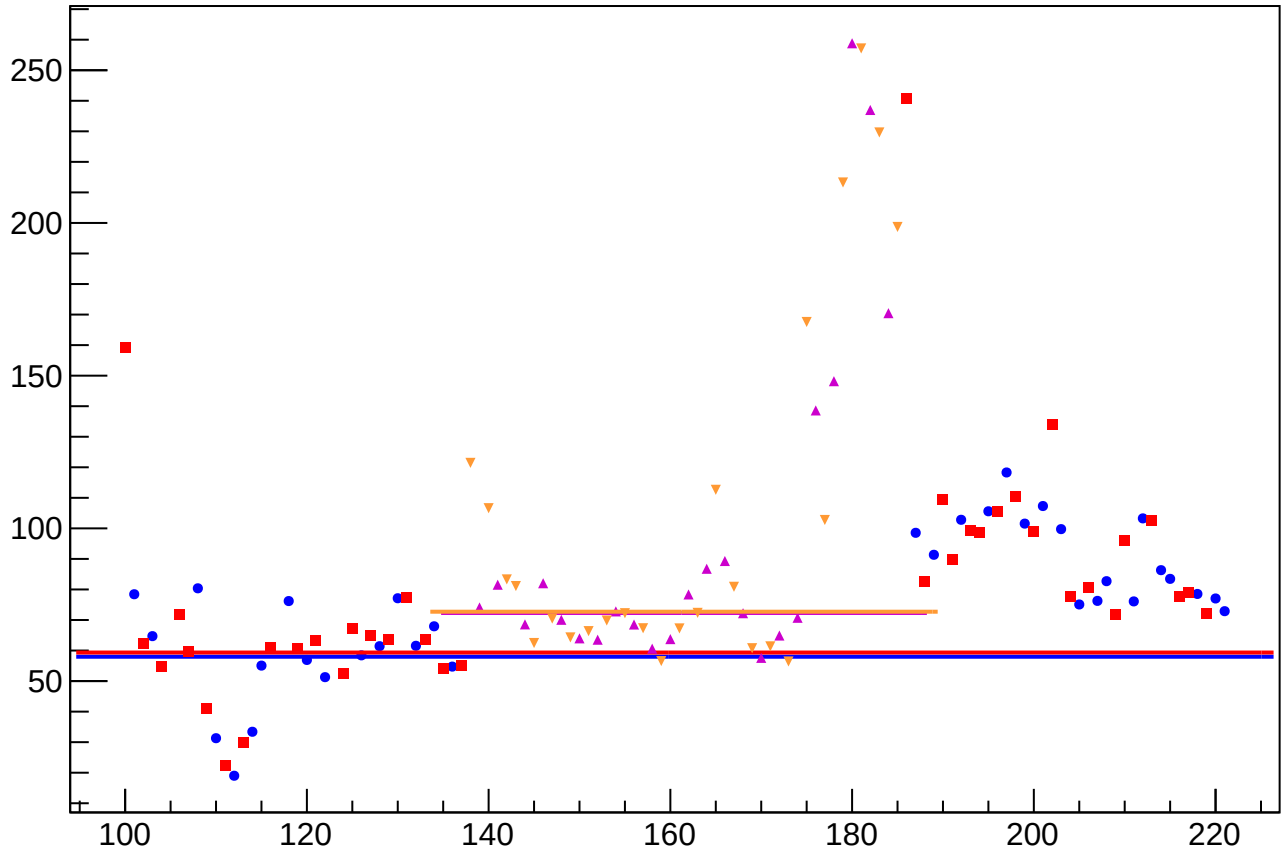
Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.011+/-0.011 χ^2/NDF: 91.3/58

All: -0.026+/-0.008 χ^2/NDF: 316.0/118

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59



Right In: 57.974+/-0.010 χ^2/NDF: 8357803.9/33

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

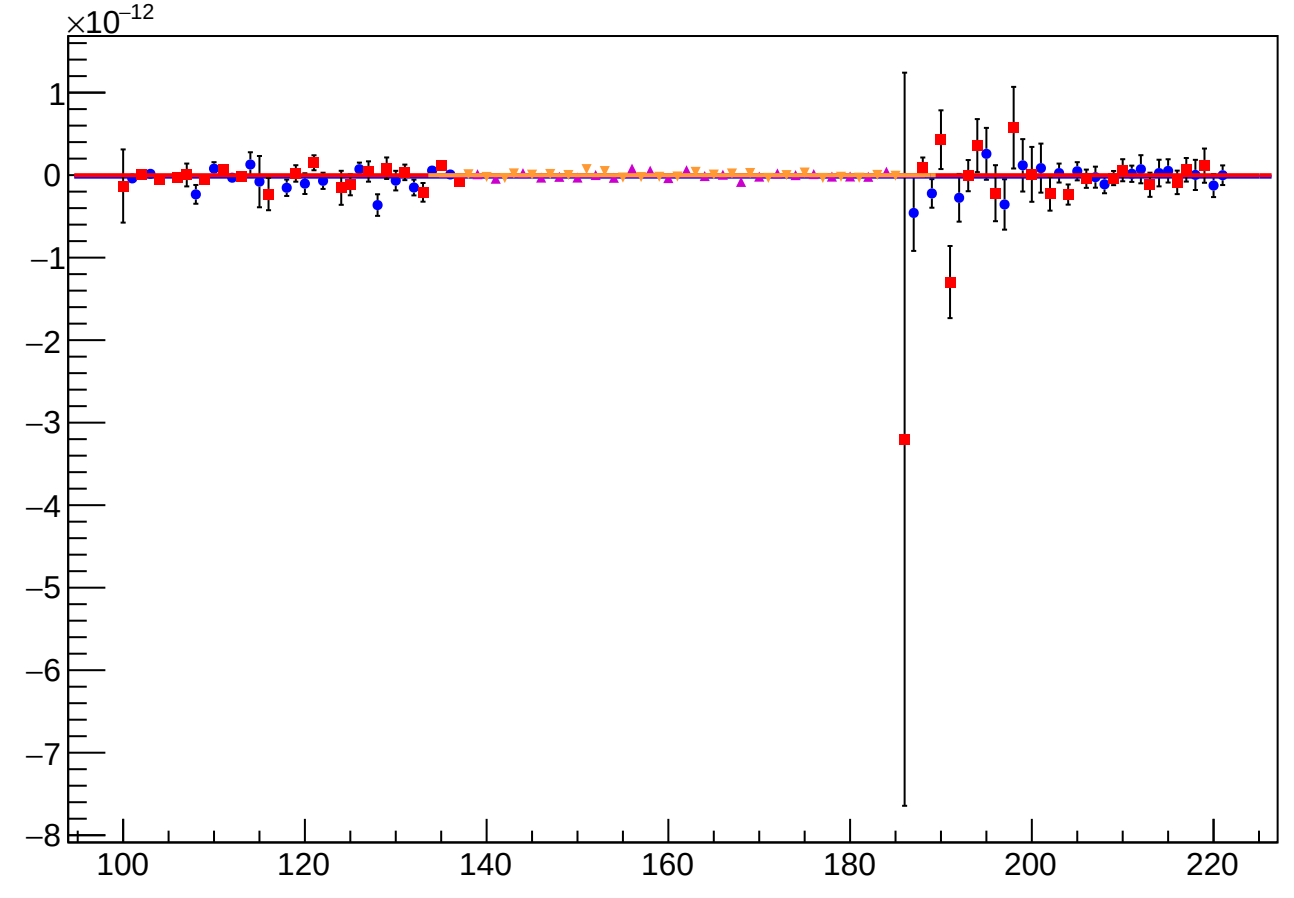
Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.580+/-0.008 χ^2/NDF: 13153858.6/58

All: 63.949+/-0.006 χ^2/NDF: 23899528.0/118

- sign 64.335+/-0.008 χ^2/NDF: 10741123.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

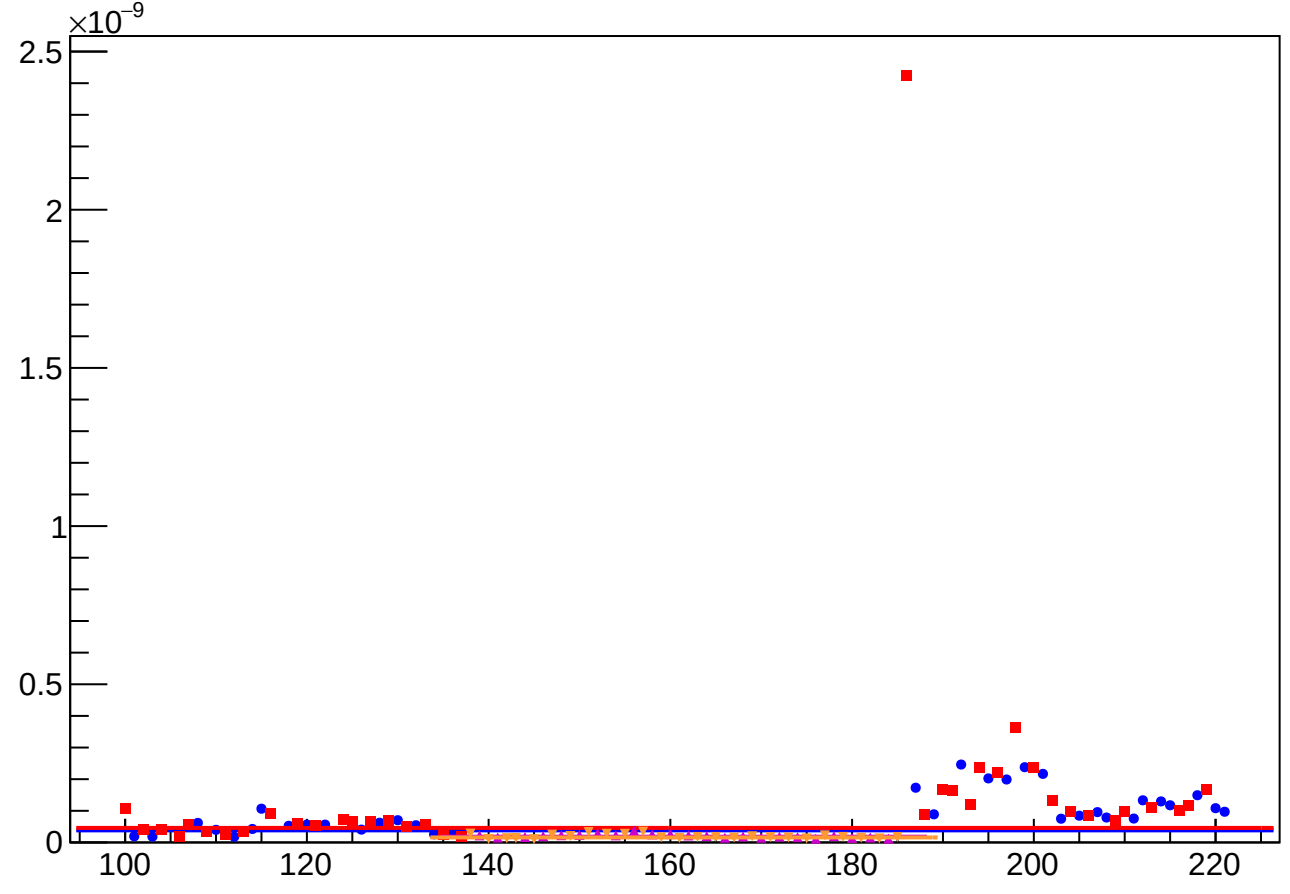
Right Out: -0.000+/-0.000 χ^2/NDF: 44.8/36

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/58

All: -0.000+/-0.000 χ^2/NDF: 143.8/118

- sign -0.000+/-0.000 χ^2/NDF: 83.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 12056155.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10103801.2/36

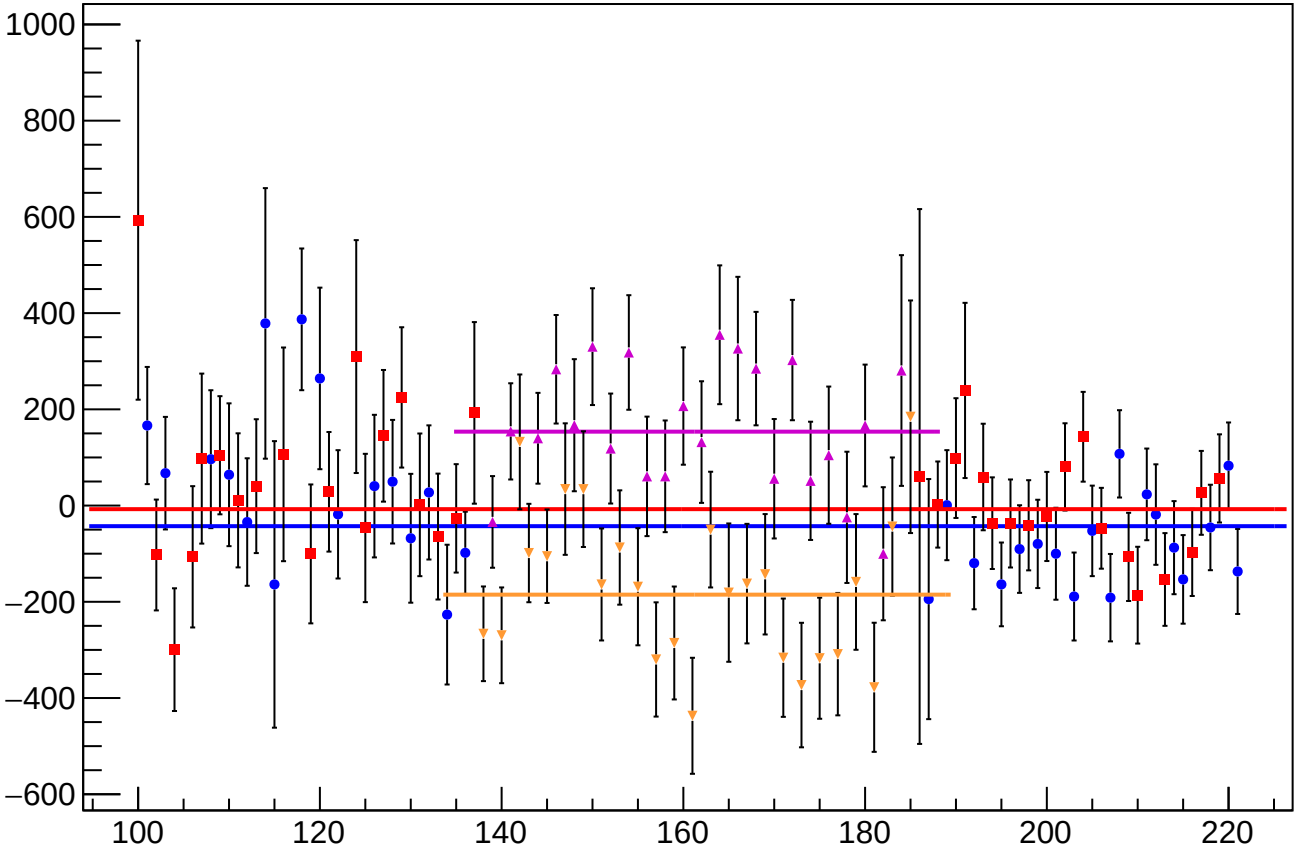
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19390687.9/58

All: 0.000+/-0.000 χ^2/NDF: 37410144.7/118

- sign 0.000+/-0.000 χ^2/NDF: 17647764.7/59

reg_asym_sam_15_dd_mean vs Slug



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.447+/-19.117 χ^2/NDF: 33.3/36

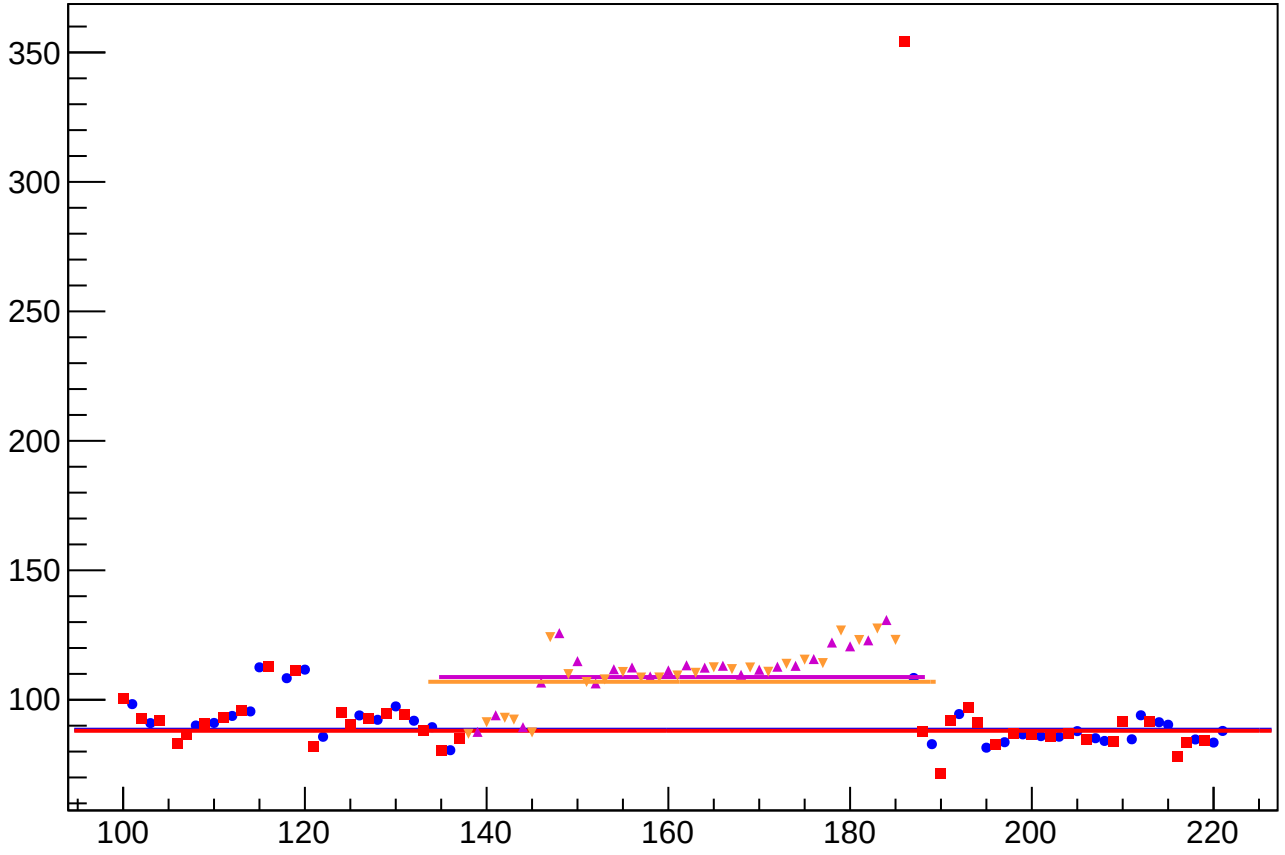
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -95.969+/-14.942 χ^2/NDF: 93.5/58

All: -24.537+/-10.691 χ^2/NDF: 222.6/118

- sign 50.399+/-15.304 χ^2/NDF: 82.3/59

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.443+/-0.013 χ^2/NDF: 208295.0/33

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.032+/-0.014 χ^2/NDF: 690796.6/36

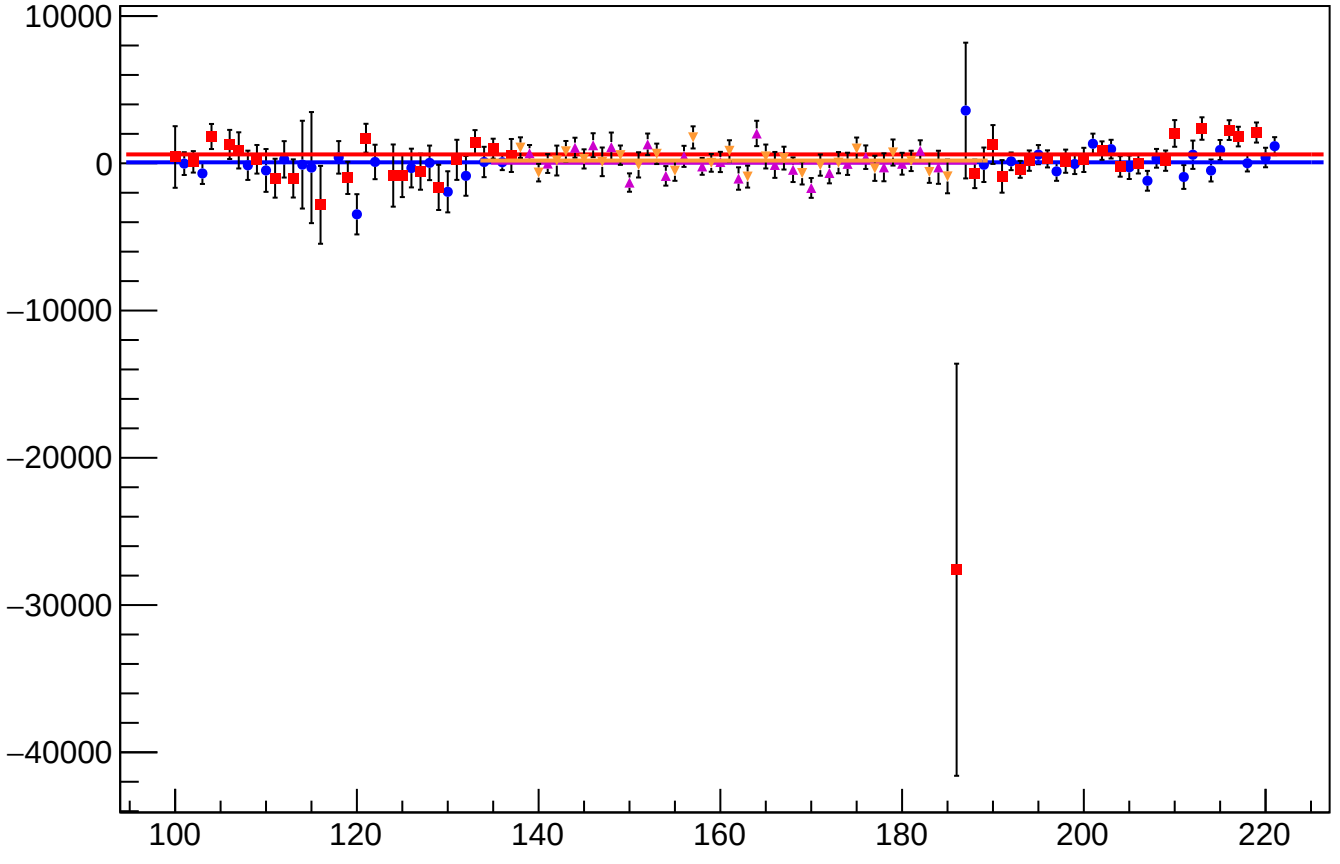
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 95.355+/-0.011 χ^2/NDF: 1390751.6/58

All: 95.418+/-0.008 χ^2/NDF: 3286130.1/118

- sign 95.483+/-0.011 χ^2/NDF: 1895306.7/59

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: 67.056+/-140.187 χ^2/NDF: 29.5/33

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 604.065+/-143.734 χ^2/NDF: 54.3/36

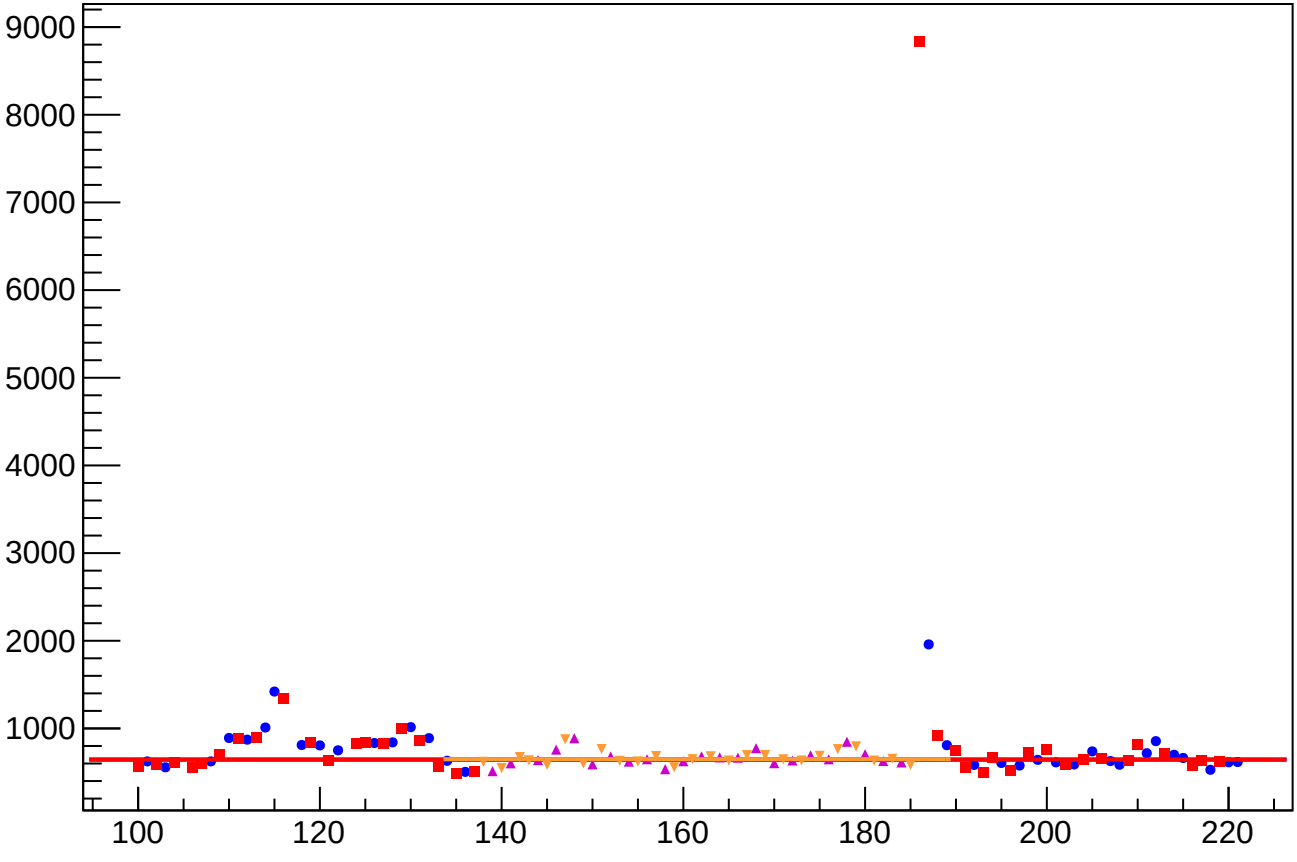
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 123.193+/-102.043 χ^2/NDF: 48.9/58

All: 228.786+/-72.993 χ^2/NDF: 146.3/118

- sign 339.429+/-104.454 χ^2/NDF: 95.2/59

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 644.393+/-0.099 χ^2/NDF: 1338350.0/33

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 645.766+/-0.102 χ^2/NDF: 2082612.6/36

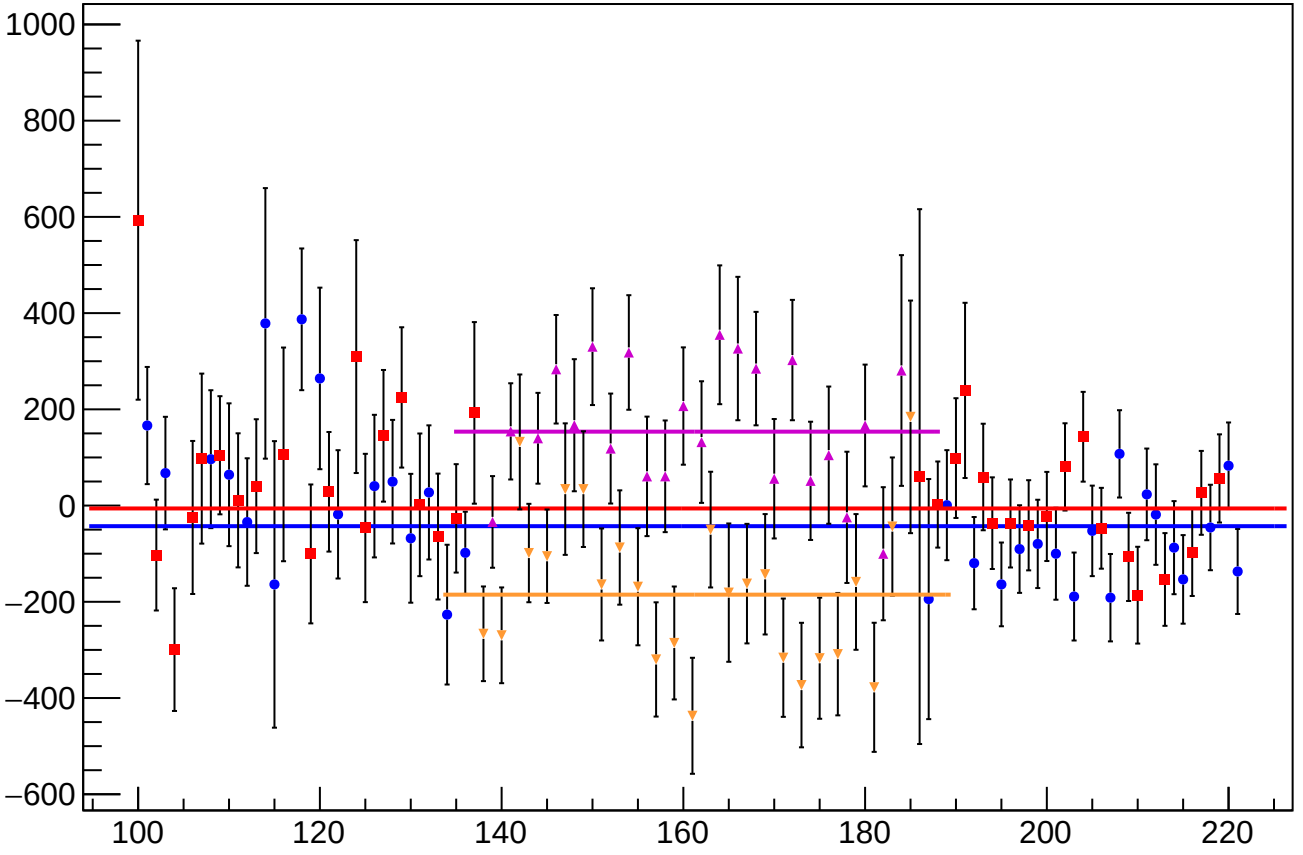
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 646.648+/-0.072 χ^2/NDF: 1757815.2/58

All: 645.827+/-0.052 χ^2/NDF: 4399943.8/118

- sign 644.967+/-0.074 χ^2/NDF: 2641863.6/59

cor_asym_sam_15_dd_mean vs Slug



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -6.012+/-19.141 χ^2/NDF: 32.8/36

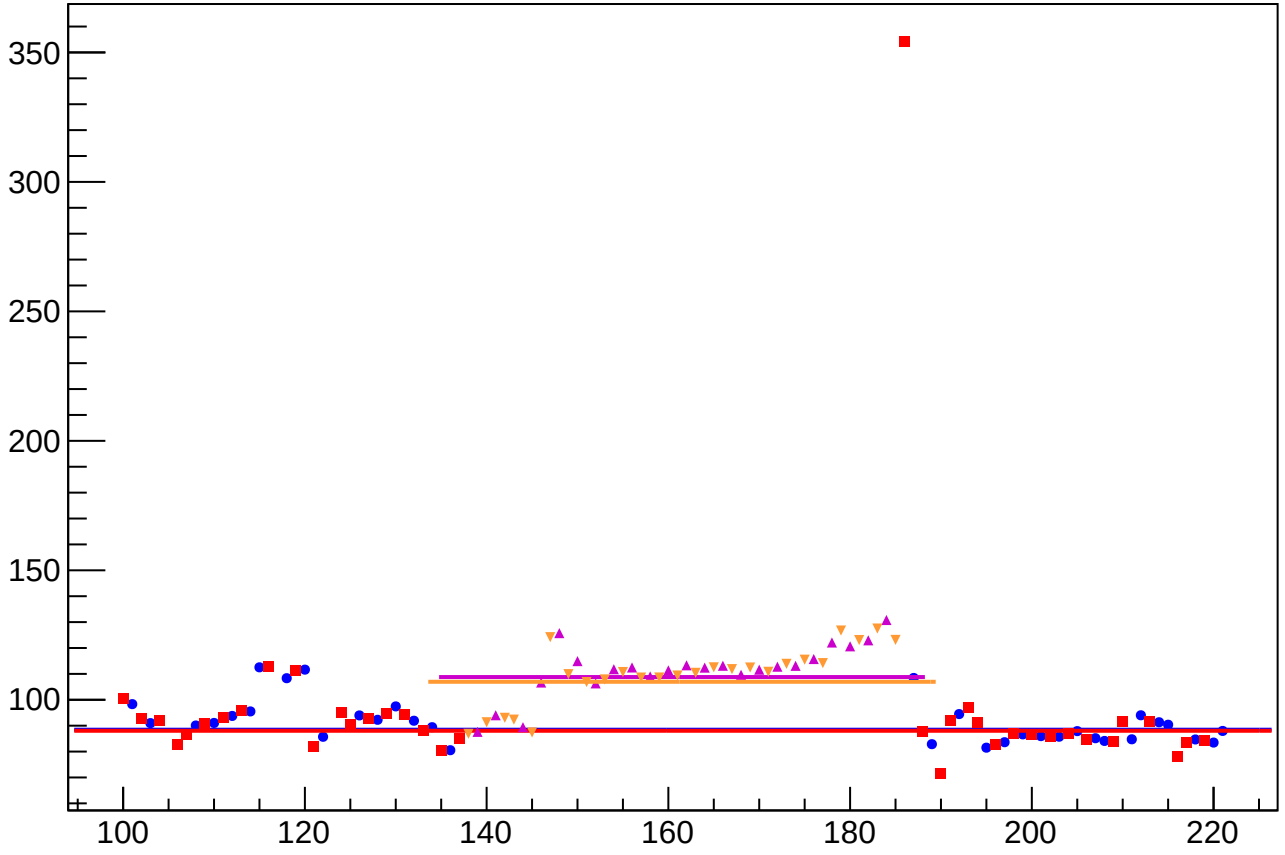
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -95.970+/-14.942 χ^2/NDF: 93.5/58

All: -24.101+/-10.696 χ^2/NDF: 222.3/118

- sign 51.412+/-15.316 χ^2/NDF: 81.4/59

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.443+/-0.013 χ^2/NDF: 208295.0/33

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

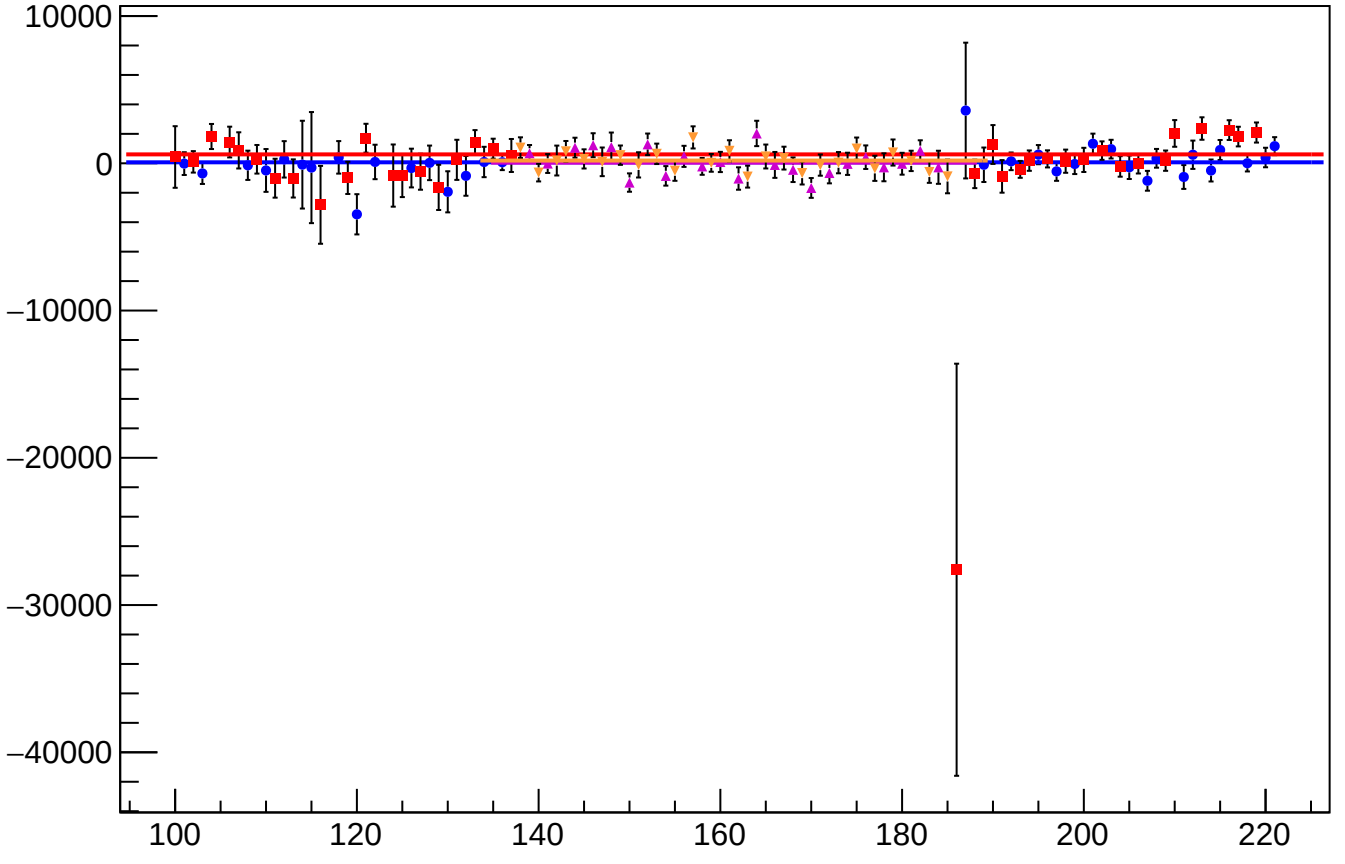
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 95.355+/-0.011 χ^2/NDF: 1390751.6/58

All: 95.425+/-0.008 χ^2/NDF: 3285158.8/118

- sign 95.498+/-0.011 χ^2/NDF: 1894318.0/59

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: 67.052+/-140.187 χ^2/NDF: 29.5/33

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 605.642+/-143.893 χ^2/NDF: 54.5/36

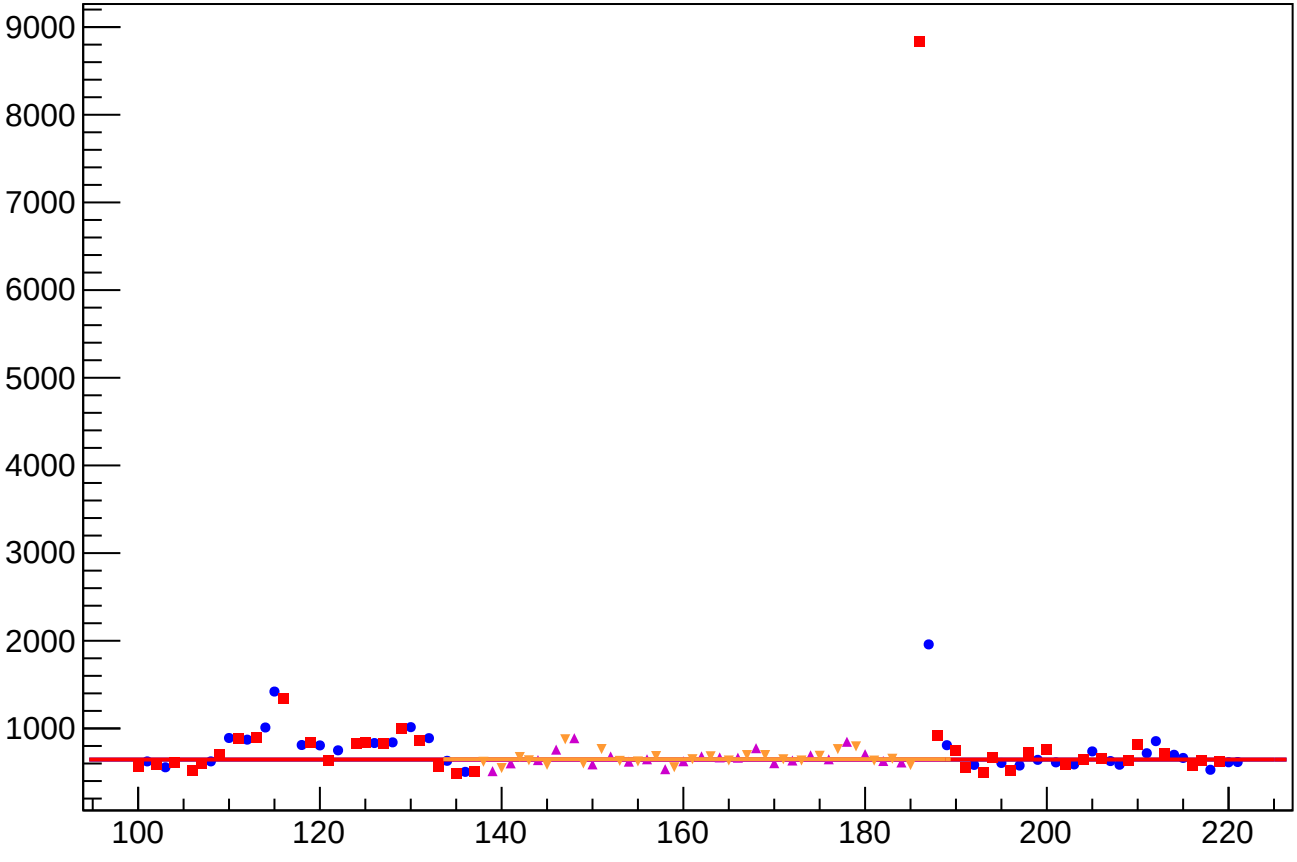
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 123.188+/-102.043 χ^2/NDF: 48.9/58

All: 228.976+/-73.014 χ^2/NDF: 146.5/118

- sign 339.953+/-104.515 χ^2/NDF: 95.4/59

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 644.393+/-0.099 χ^2/NDF: 1338349.0/33

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

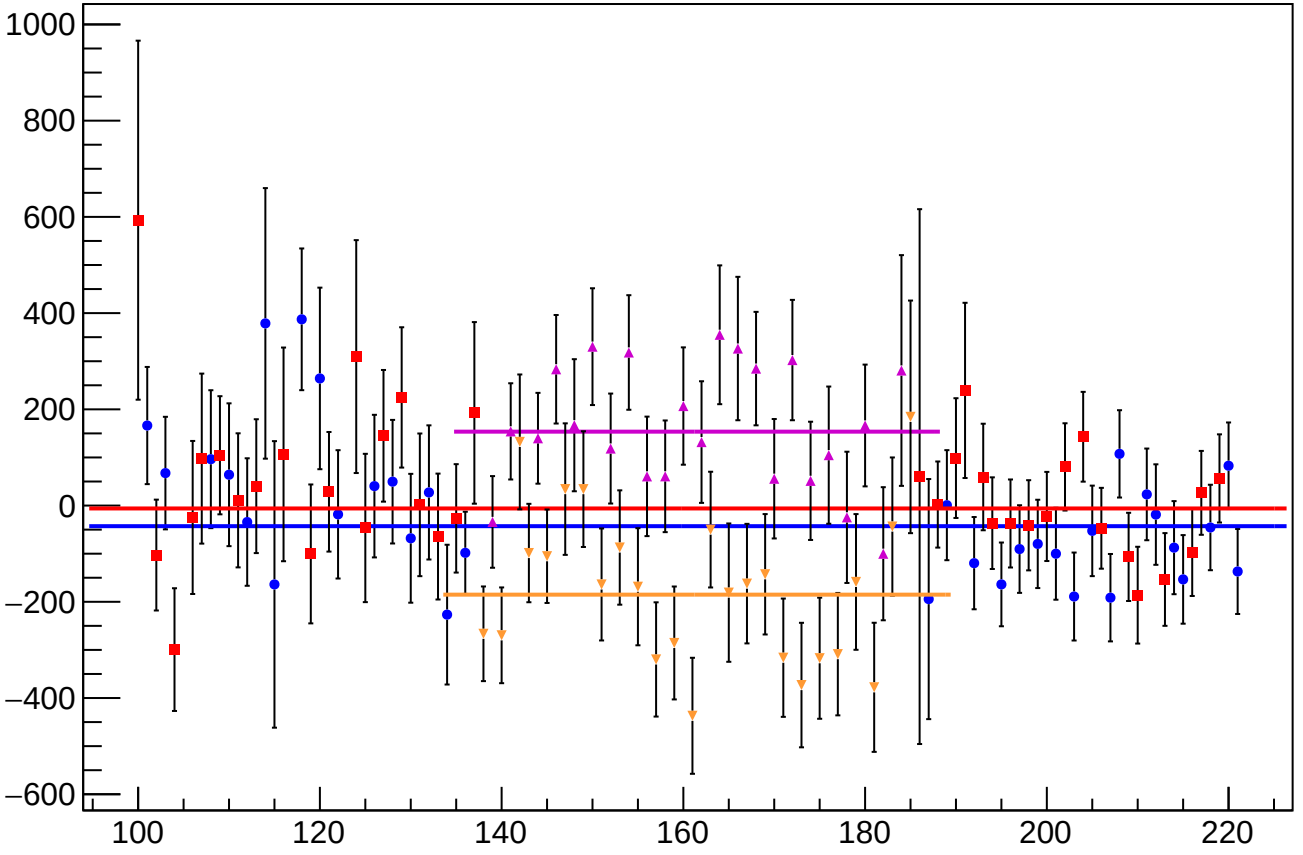
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 646.648+/-0.072 χ^2/NDF: 1757814.9/58

All: 645.745+/-0.052 χ^2/NDF: 4409202.2/118

- sign 644.798+/-0.074 χ^2/NDF: 2651066.3/59

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -42.825+/-18.877 χ^2/NDF: 39.2/33

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -6.012+/-19.141 χ^2/NDF: 32.8/36

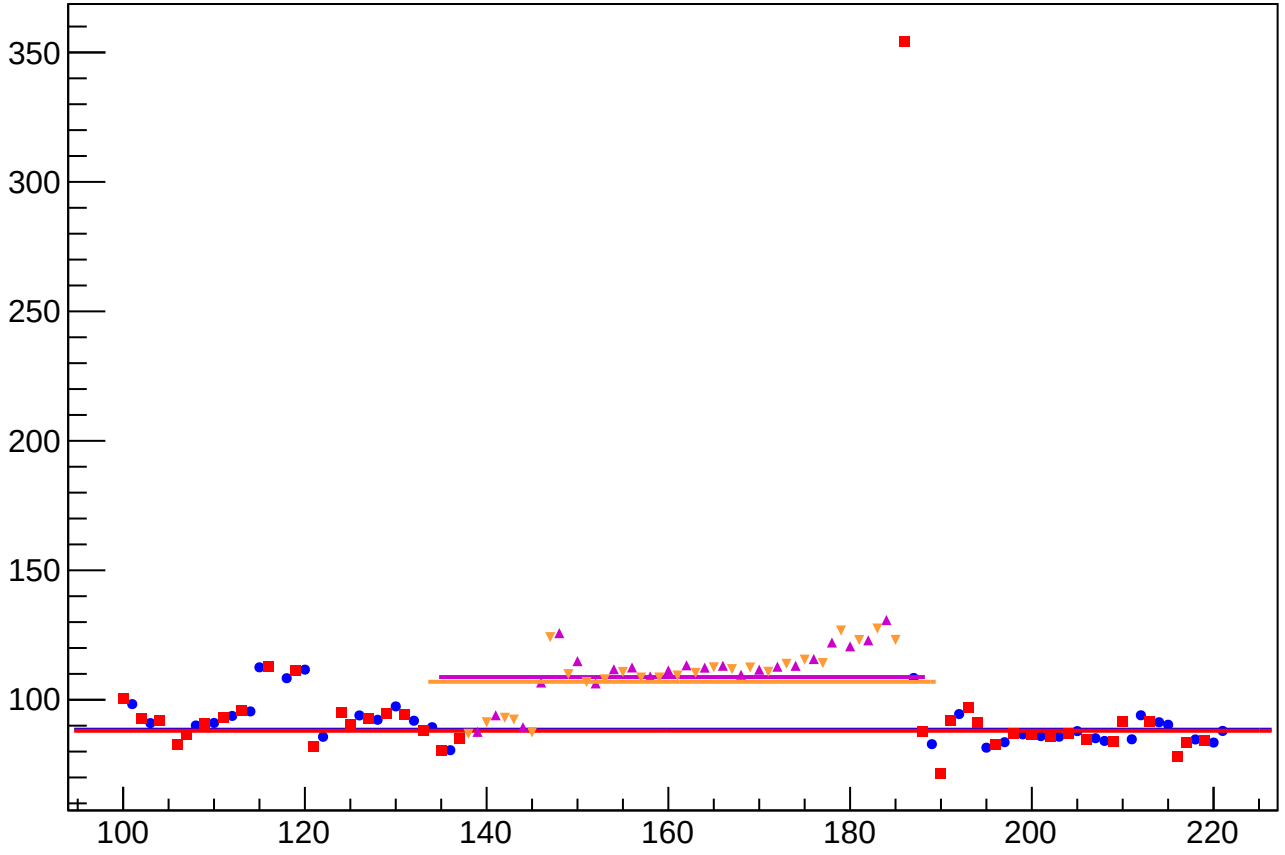
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -95.970+/-14.942 χ^2/NDF: 93.5/58

All: -24.101+/-10.696 χ^2/NDF: 222.3/118

- sign 51.412+/-15.316 χ^2/NDF: 81.4/59

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.443+/-0.013 χ^2/NDF: 208295.0/33

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

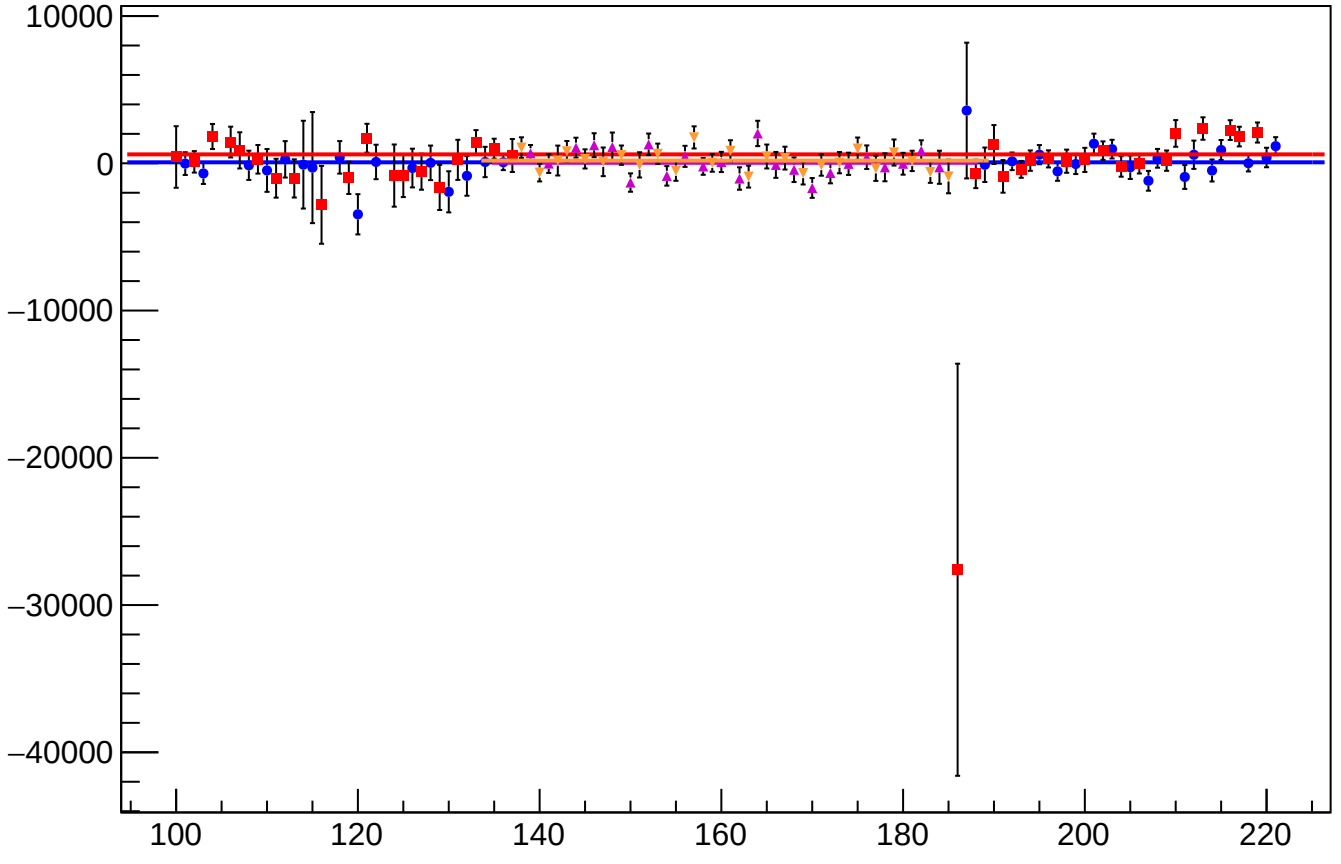
Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 95.355+/-0.011 χ^2/NDF: 1390751.6/58

All: 95.425+/-0.008 χ^2/NDF: 3285158.8/118

- sign 95.498+/-0.011 χ^2/NDF: 1894318.0/59



Right In: 67.052+/-140.187 χ^2/NDF: 29.5/33

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

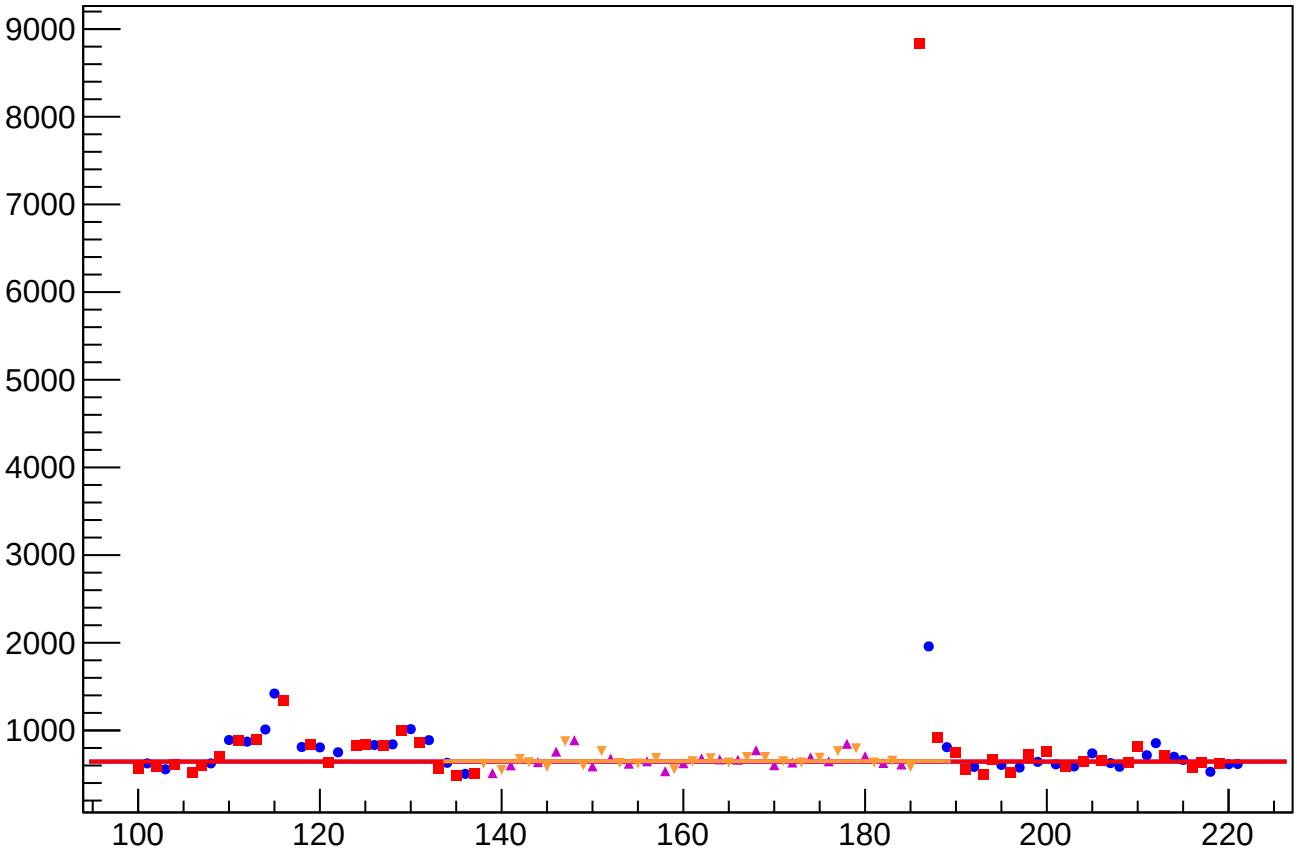
Right Out: 605.642+/-143.893 χ^2/NDF: 54.5/36

Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 123.188+/-102.043 χ^2/NDF: 48.9/58

All: 228.976+/-73.014 χ^2/NDF: 146.5/118

- sign 339.953+/-104.515 χ^2/NDF: 95.4/59



Right In: 644.393+/-0.099 χ^2/NDF: 1338349.0/33

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

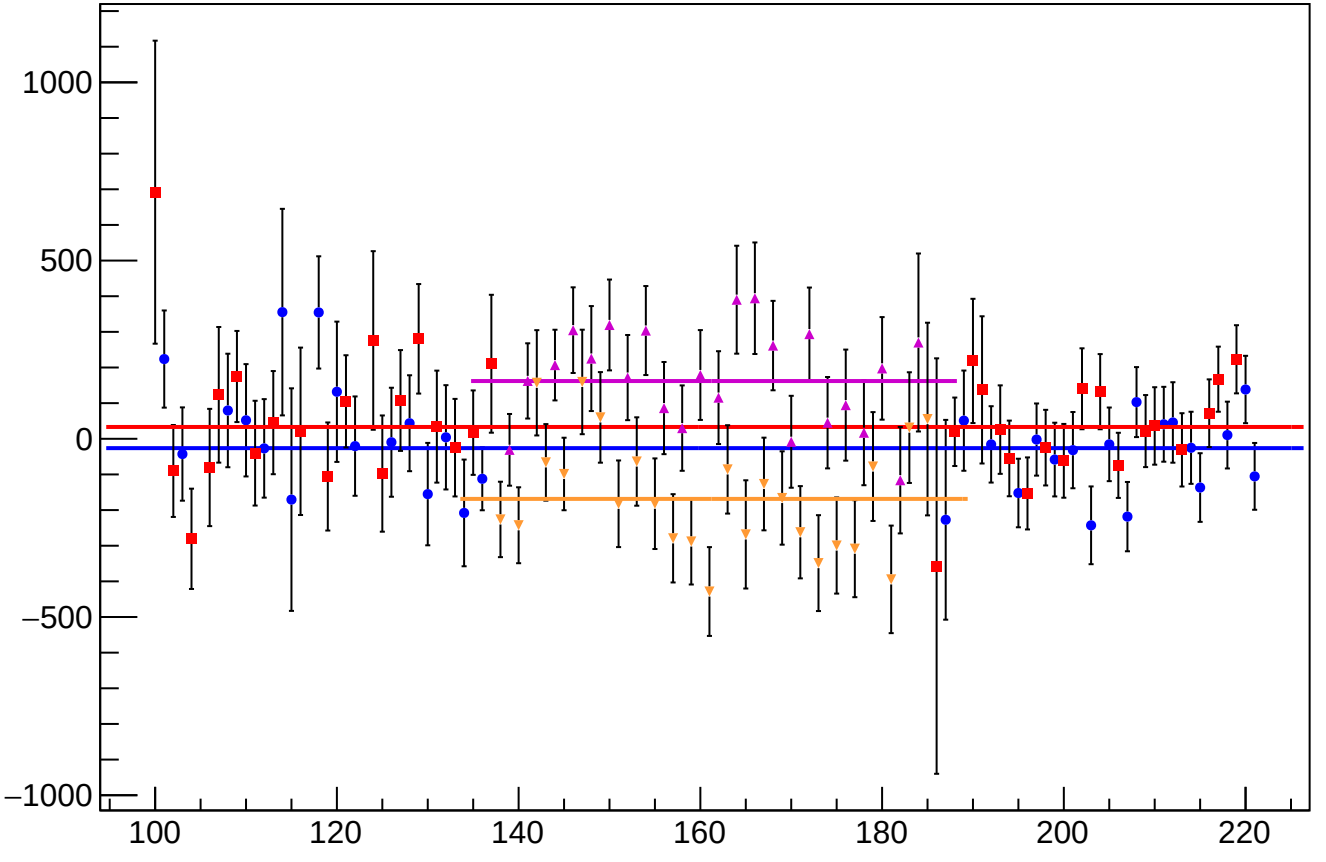
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 646.648+/-0.072 χ^2/NDF: 1757814.9/58

All: 645.745+/-0.052 χ^2/NDF: 4409202.2/118

- sign 644.798+/-0.074 χ^2/NDF: 2651066.3/59

dit_asym_sam_15_dd_mean vs Slug



Right In: -26.215+/-20.460 χ^2/NDF: 34.4/33

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 33.175+/-20.846 χ^2/NDF: 34.0/36

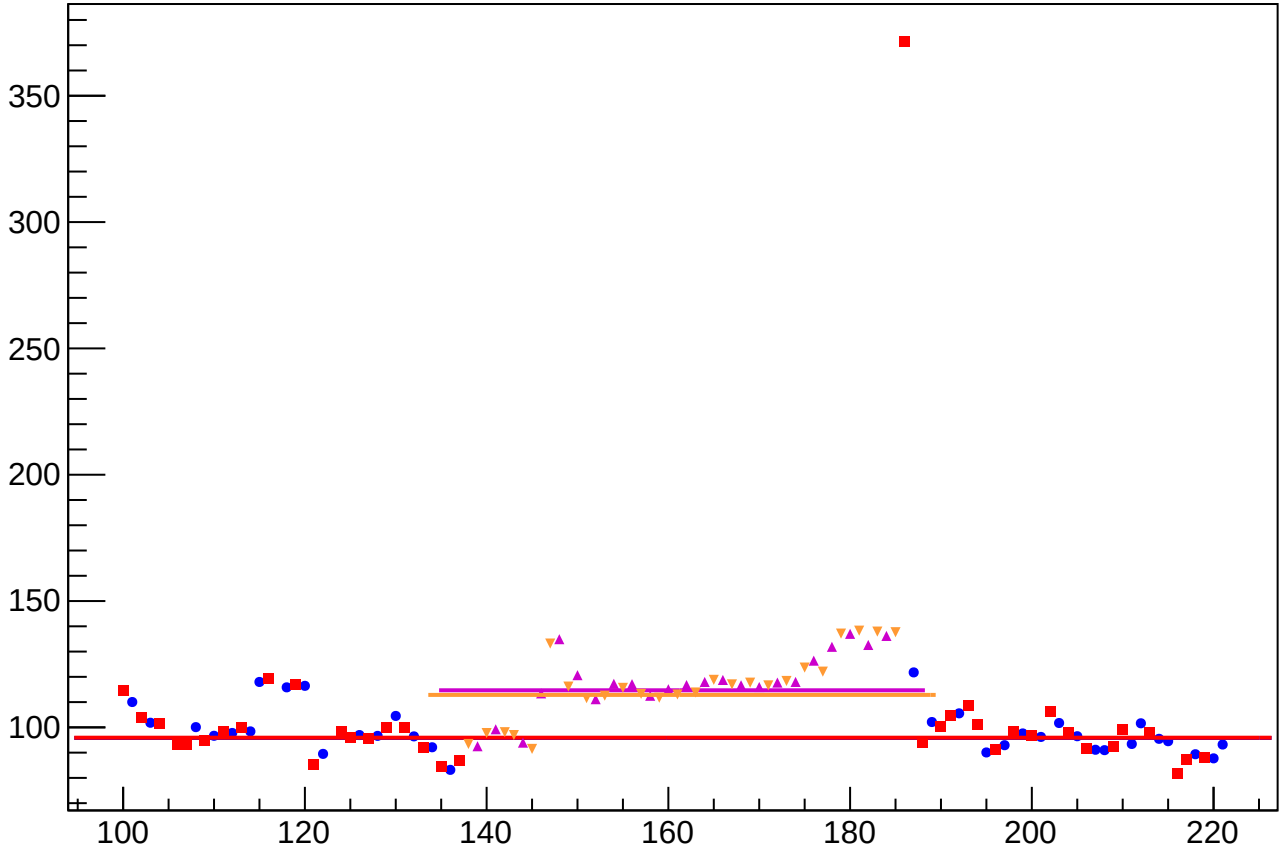
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -81.149+/-16.035 χ^2/NDF: 85.4/58

All: -2.130+/-11.496 χ^2/NDF: 207.3/118

- sign 81.415+/-16.488 χ^2/NDF: 71.9/59

dit_asym_sam_15_dd_rms vs Slug



Right In: 95.795+/-0.014 χ^2/NDF: 241096.5/33

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

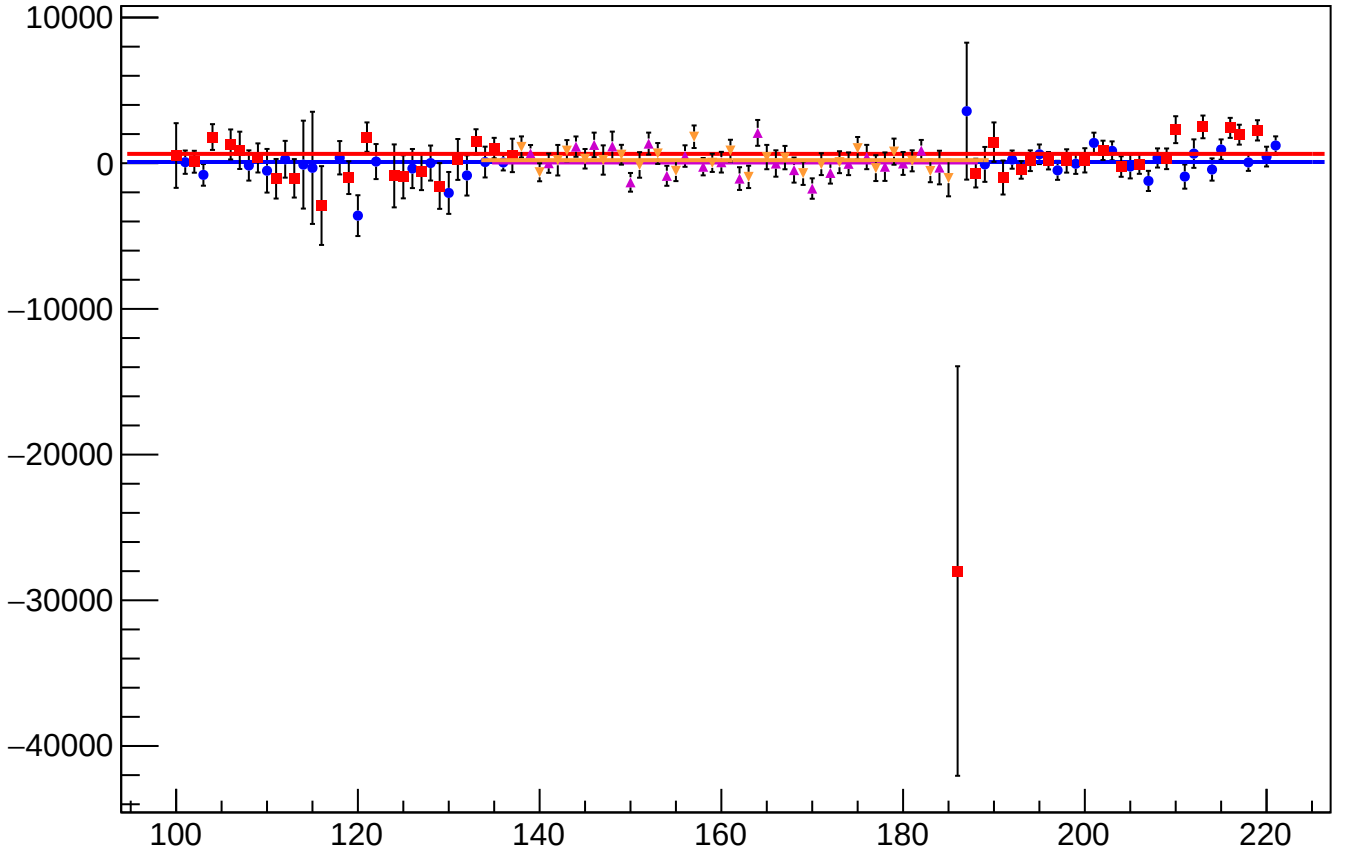
Right Out: 95.909+/-0.015 χ^2/NDF: 703818.3/36

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

\+ sign 102.373+/-0.011 χ^2/NDF: 1289402.4/58

All: 102.647+/-0.008 χ^2/NDF: 3011252.3/118

\- sign 102.936+/-0.012 χ^2/NDF: 1720653.0/59



Right In: 83.510+/-144.129 χ^2/NDF: 29.5/33

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 640.043+/-147.985 χ^2/NDF: 57.9/36

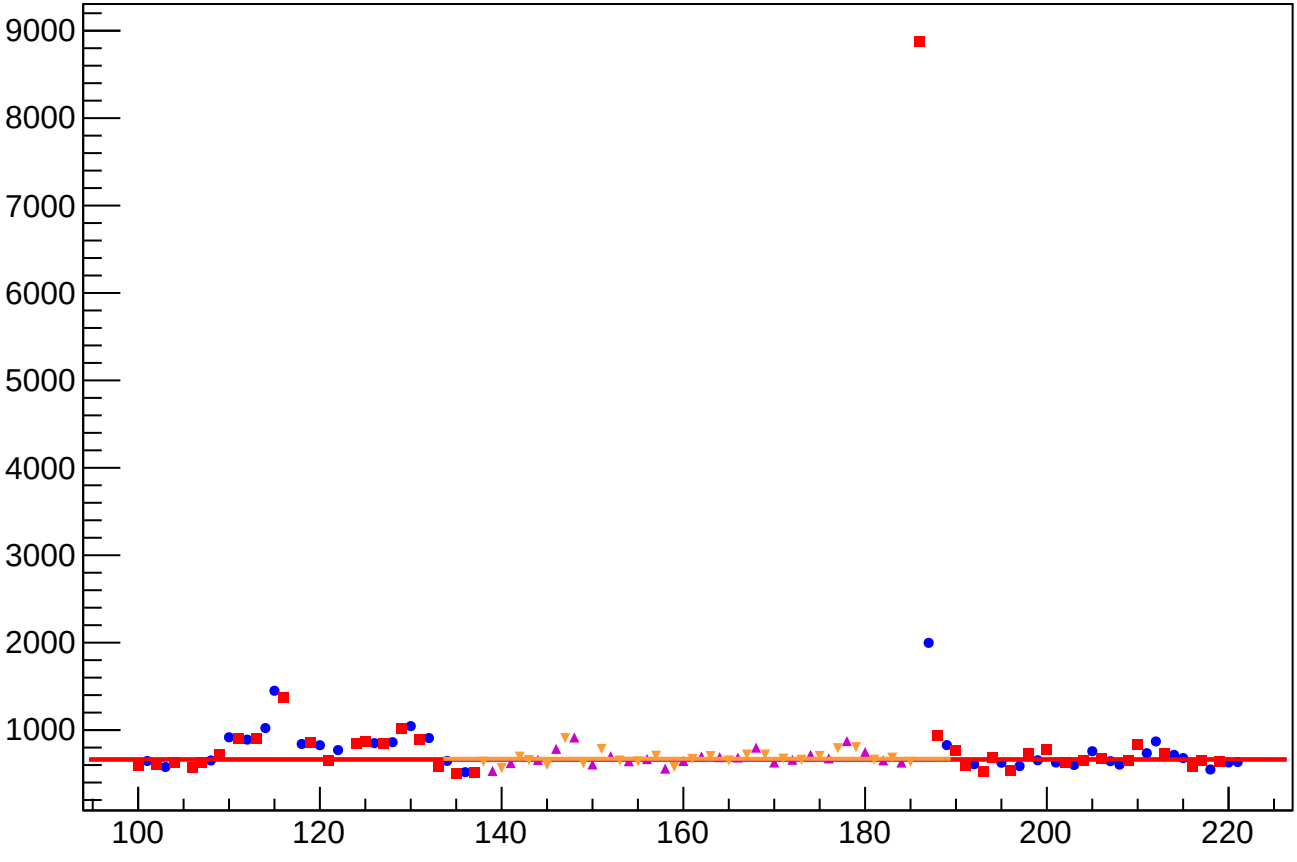
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 142.311+/-105.208 χ^2/NDF: 48.7/58

All: 250.159+/-75.308 χ^2/NDF: 149.5/118

- sign 363.478+/-107.844 χ^2/NDF: 98.7/59

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 663.013+/-0.102 χ^2/NDF: 1308004.4/33

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001479.3/36

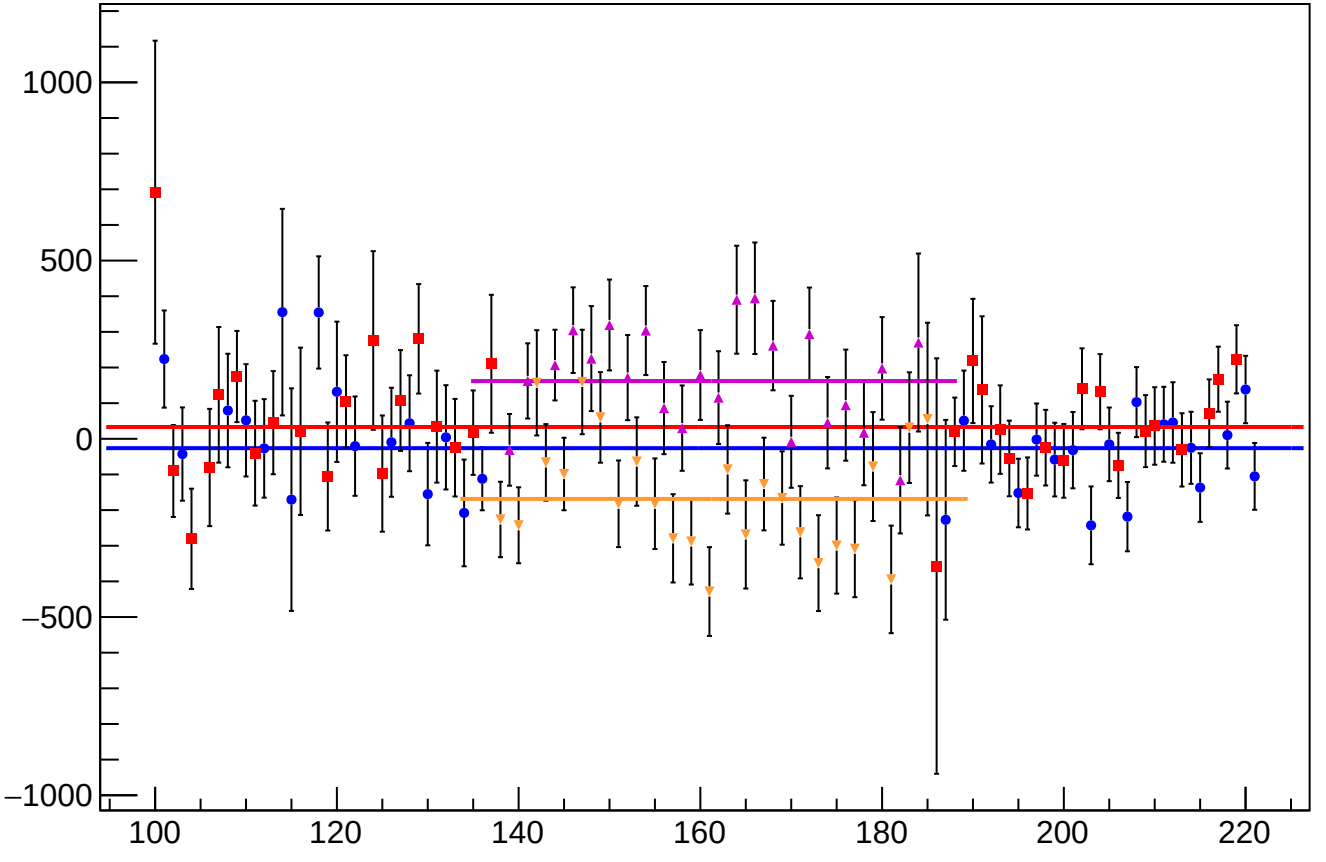
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 667.141+/-0.074 χ^2/NDF: 1710675.7/58

All: 666.835+/-0.053 χ^2/NDF: 4259197.2/118

- sign 666.514+/-0.076 χ^2/NDF: 2548486.9/59

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -26.215+/-20.460 χ^2/NDF: 34.4/33

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 33.174+/-20.846 χ^2/NDF: 34.0/36

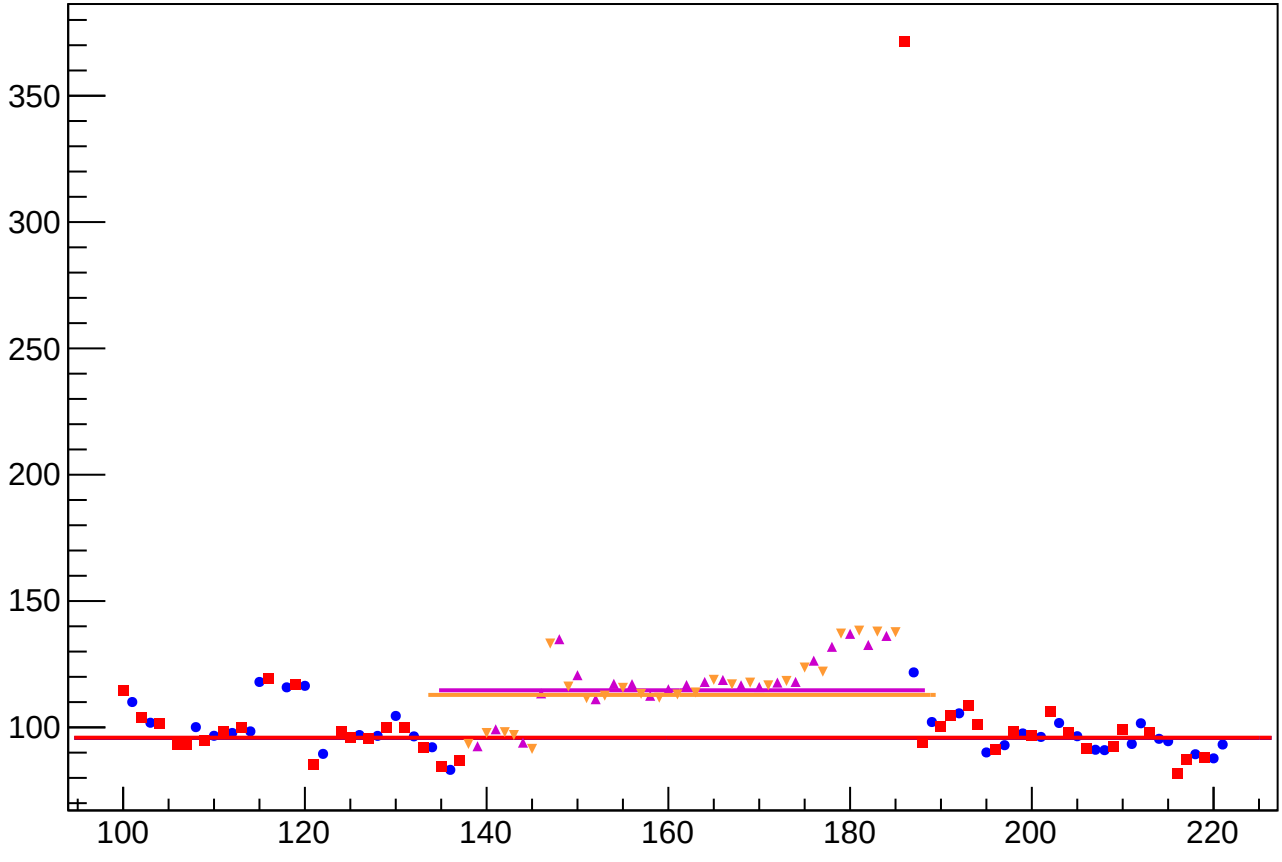
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -81.149+/-16.035 χ^2/NDF: 85.4/58

All: -2.130+/-11.496 χ^2/NDF: 207.3/118

- sign 81.415+/-16.488 χ^2/NDF: 71.9/59

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 95.795+/-0.014 χ^2/NDF: 241101.2/33

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

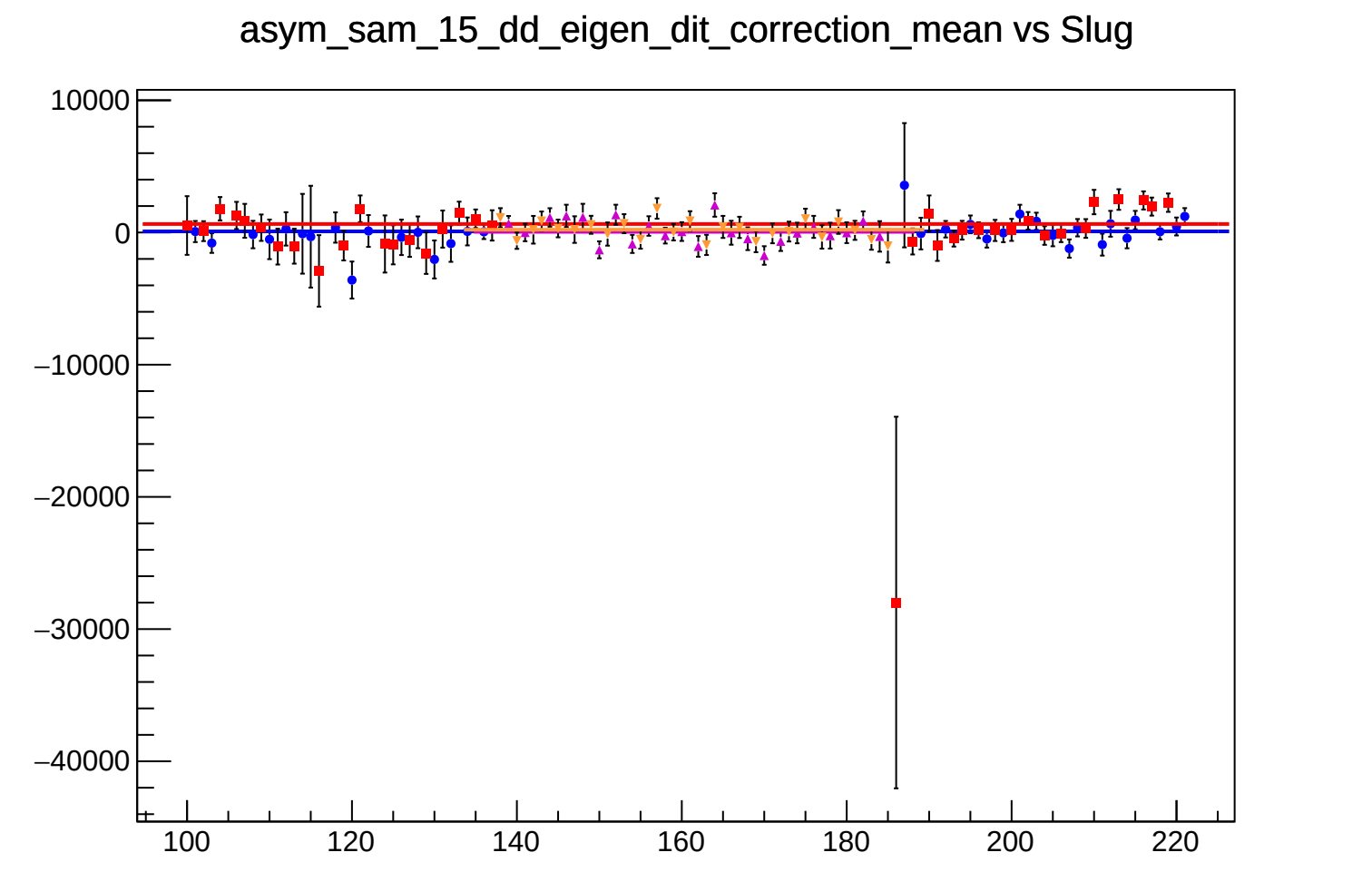
Right Out: 95.909+/-0.015 χ^2/NDF: 703822.7/36

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

\+ sign 102.373+/-0.011 χ^2/NDF: 1289412.4/58

All: 102.646+/-0.008 χ^2/NDF: 3011281.0/118

\- sign 102.936+/-0.012 χ^2/NDF: 1720671.8/59



Right In: 83.509+/-144.129 χ^2/NDF: 29.5/33

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 640.044+/-147.985 χ^2/NDF: 57.9/36

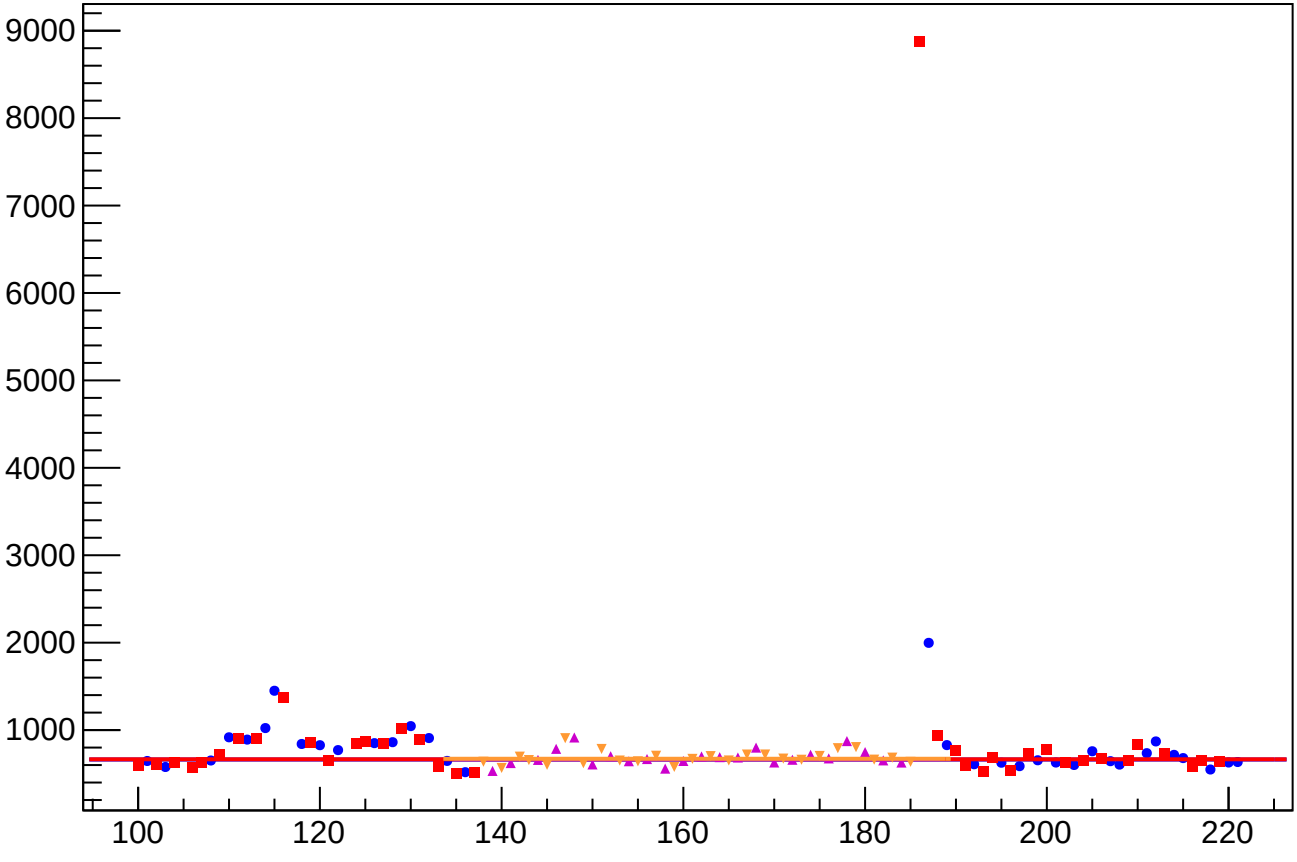
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

\+ sign 142.310+/-105.208 χ^2/NDF: 48.7/58

All: 250.159+/-75.308 χ^2/NDF: 149.5/118

\- sign 363.479+/-107.844 χ^2/NDF: 98.7/59

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 663.012+/-0.102 χ^2/NDF: 1308004.5/33

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001485.6/36

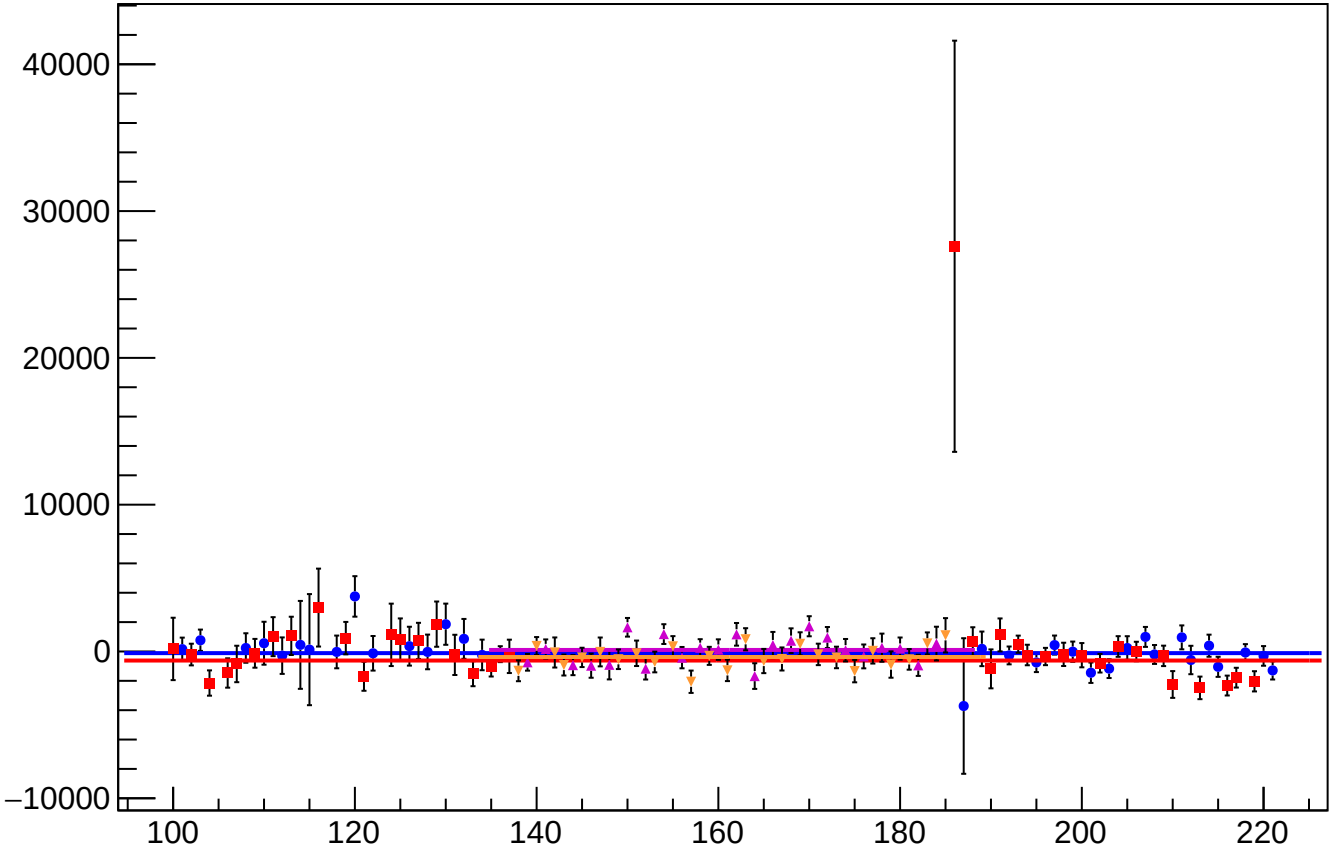
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 667.140+/-0.074 χ^2/NDF: 1710677.1/58

All: 666.835+/-0.053 χ^2/NDF: 4259207.3/118

- sign 666.514+/-0.076 χ^2/NDF: 2548495.5/59

asym_sam_15_dd_mean vs Slug



Right In: -112.371+/-141.626 χ^2/NDF: 32.1/33

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -617.047+/-145.216 χ^2/NDF: 58.4/36

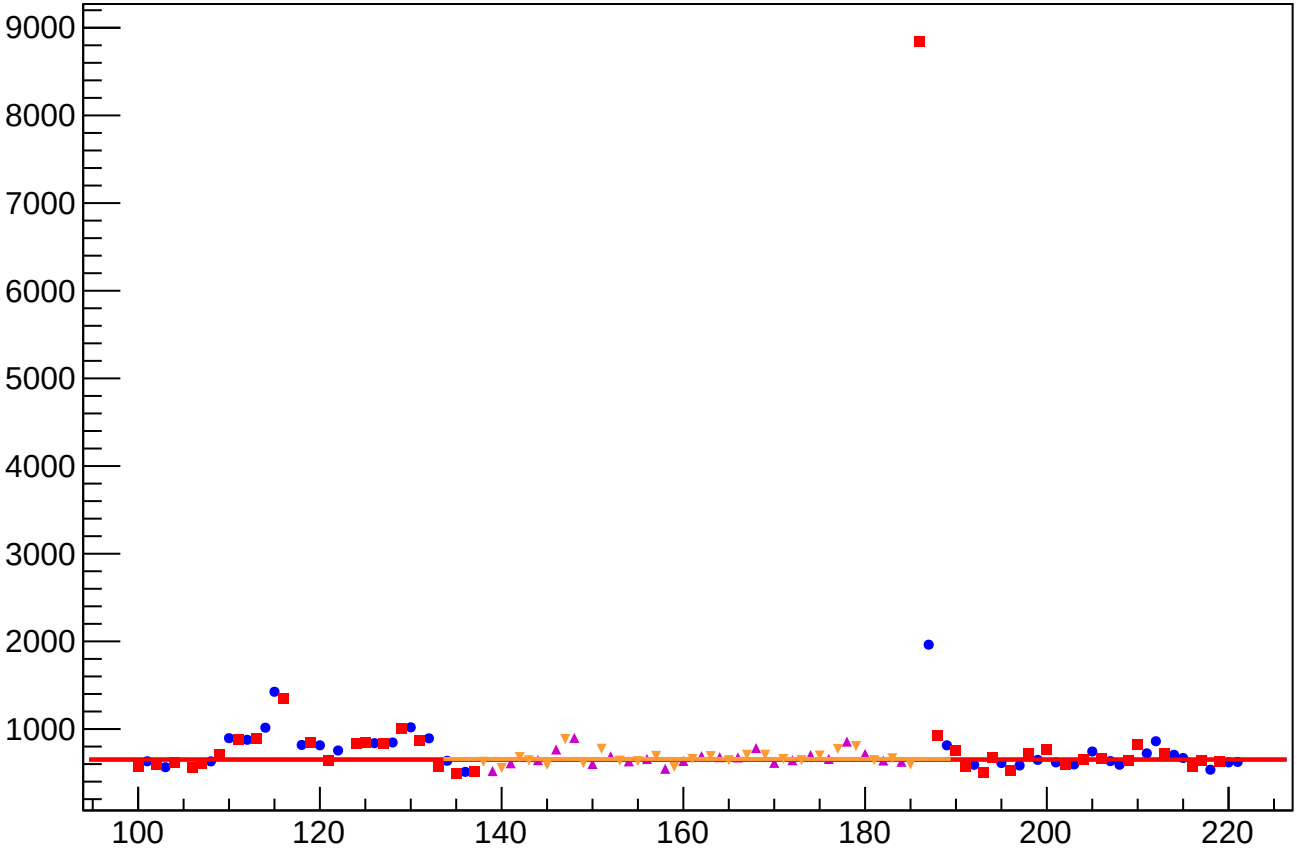
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -236.363+/-103.284 χ^2/NDF: 55.2/58

All: -257.066+/-73.893 χ^2/NDF: 160.8/118

- sign -278.773+/-105.760 χ^2/NDF: 105.5/59

asym_sam_15_dd_rms vs Slug



Right In: 651.376+/-0.100 χ^2/NDF: 1307317.5/33

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

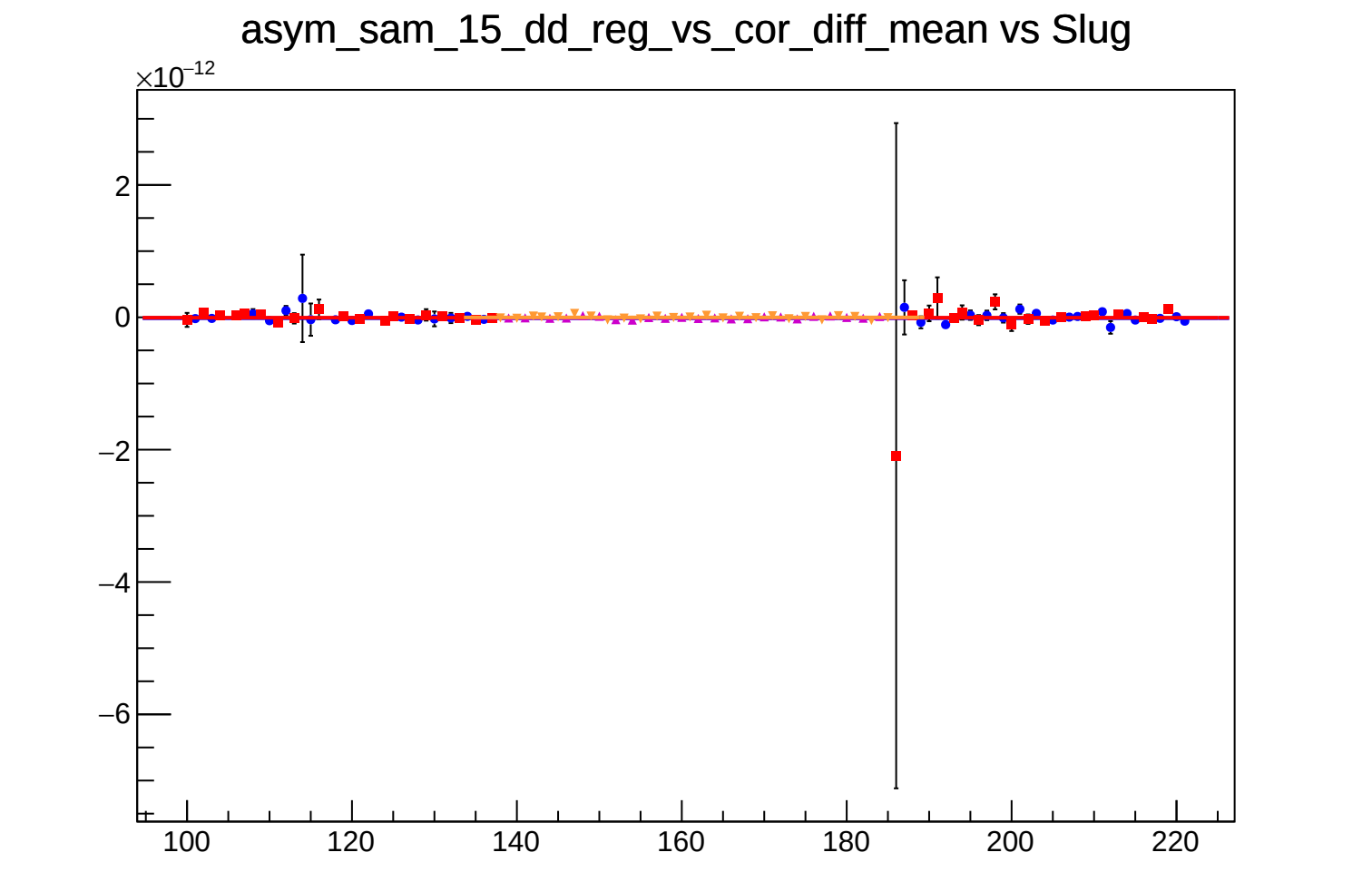
Right Out: 652.907+/-0.103 χ^2/NDF: 2041485.4/36

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 654.792+/-0.073 χ^2/NDF: 1719486.7/58

All: 654.111+/-0.052 χ^2/NDF: 4303276.7/118

- sign 653.397+/-0.075 χ^2/NDF: 2583611.9/59



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

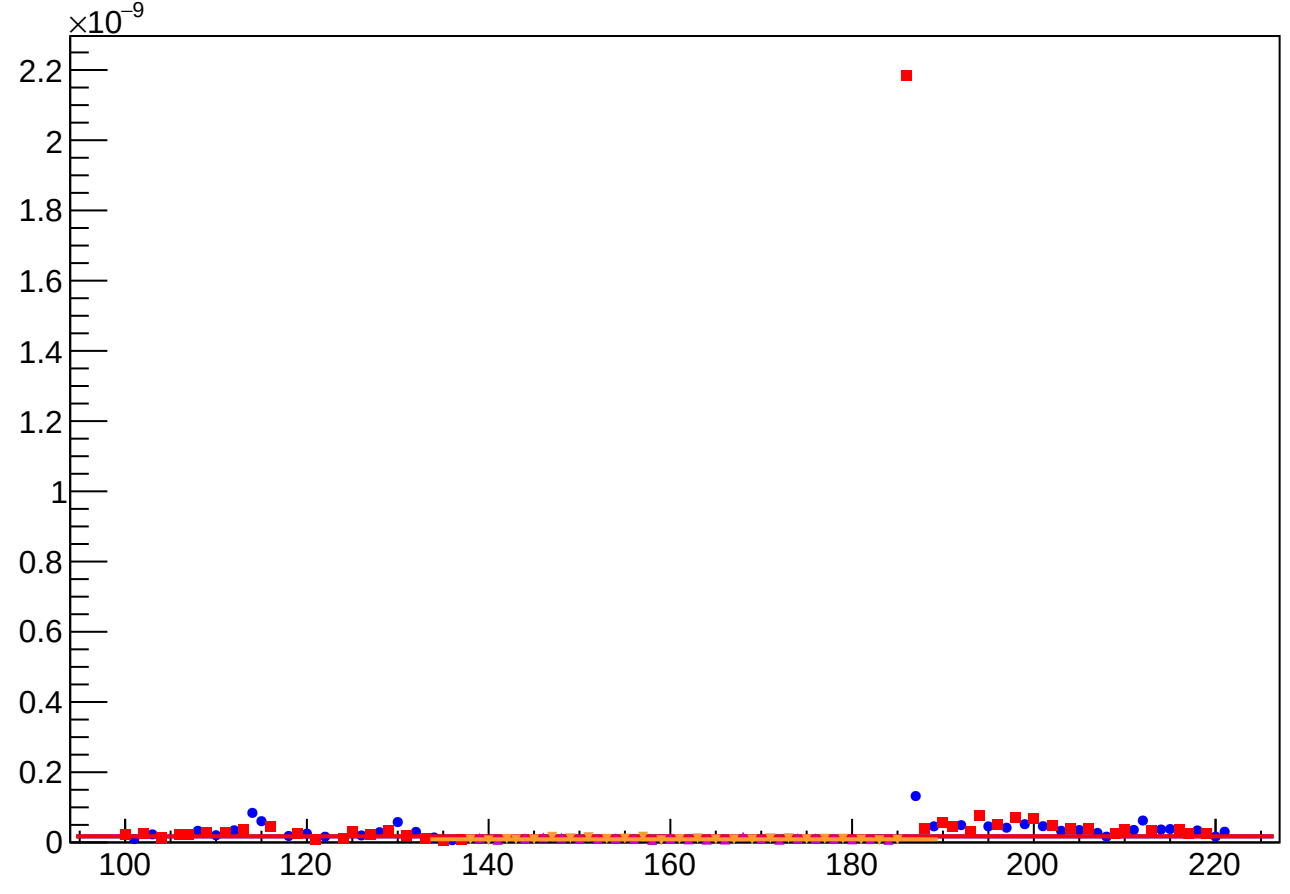
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/36

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.8/58

All: -0.000+/-0.000 χ^2/NDF: 119.1/118

- sign -0.000+/-0.000 χ^2/NDF: 53.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7540715.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8176186.8/36

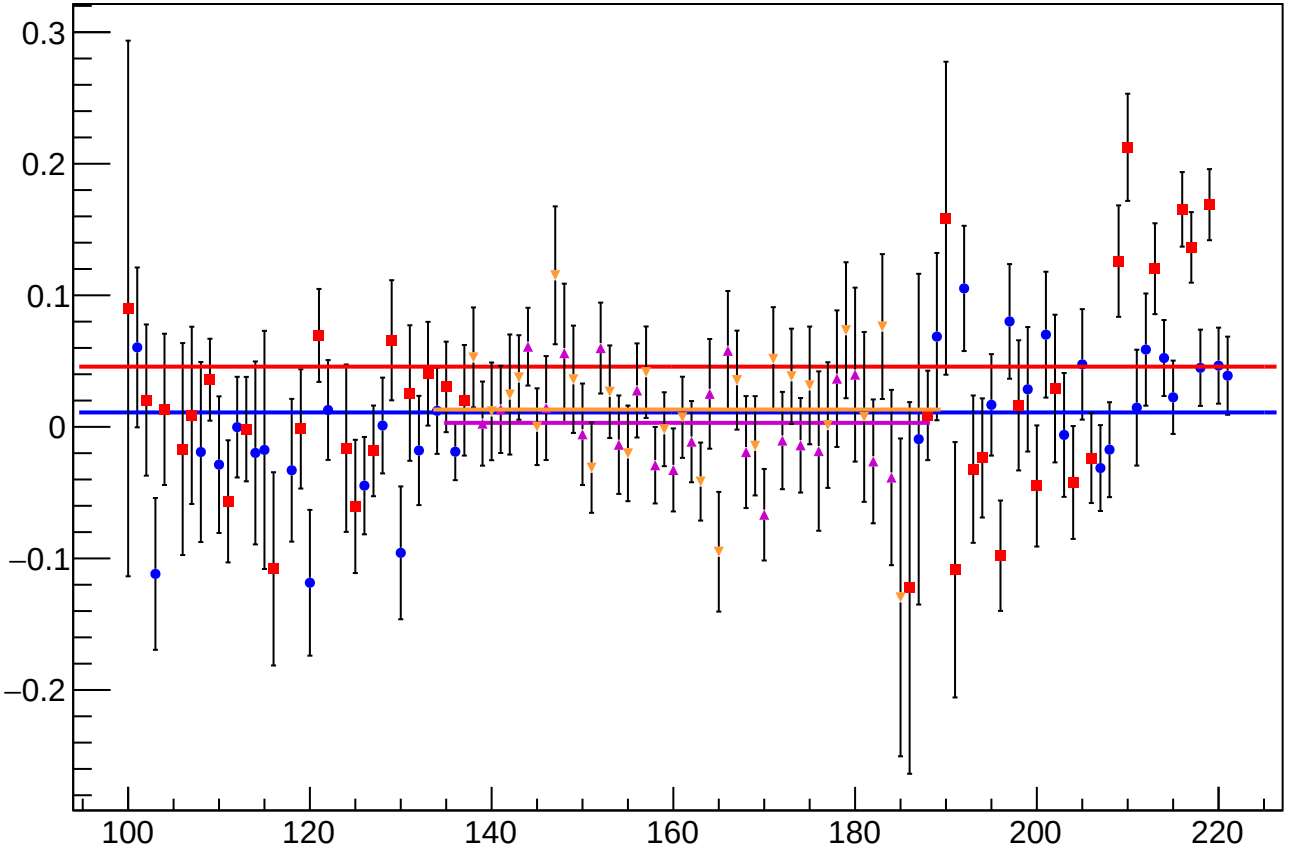
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11075996.3/58

All: 0.000+/-0.000 χ^2/NDF: 21749708.0/118

- sign 0.000+/-0.000 χ^2/NDF: 10526981.7/59

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.007 χ^2/NDF: 41.1/33

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.046+/-0.007 χ^2/NDF: 133.2/36

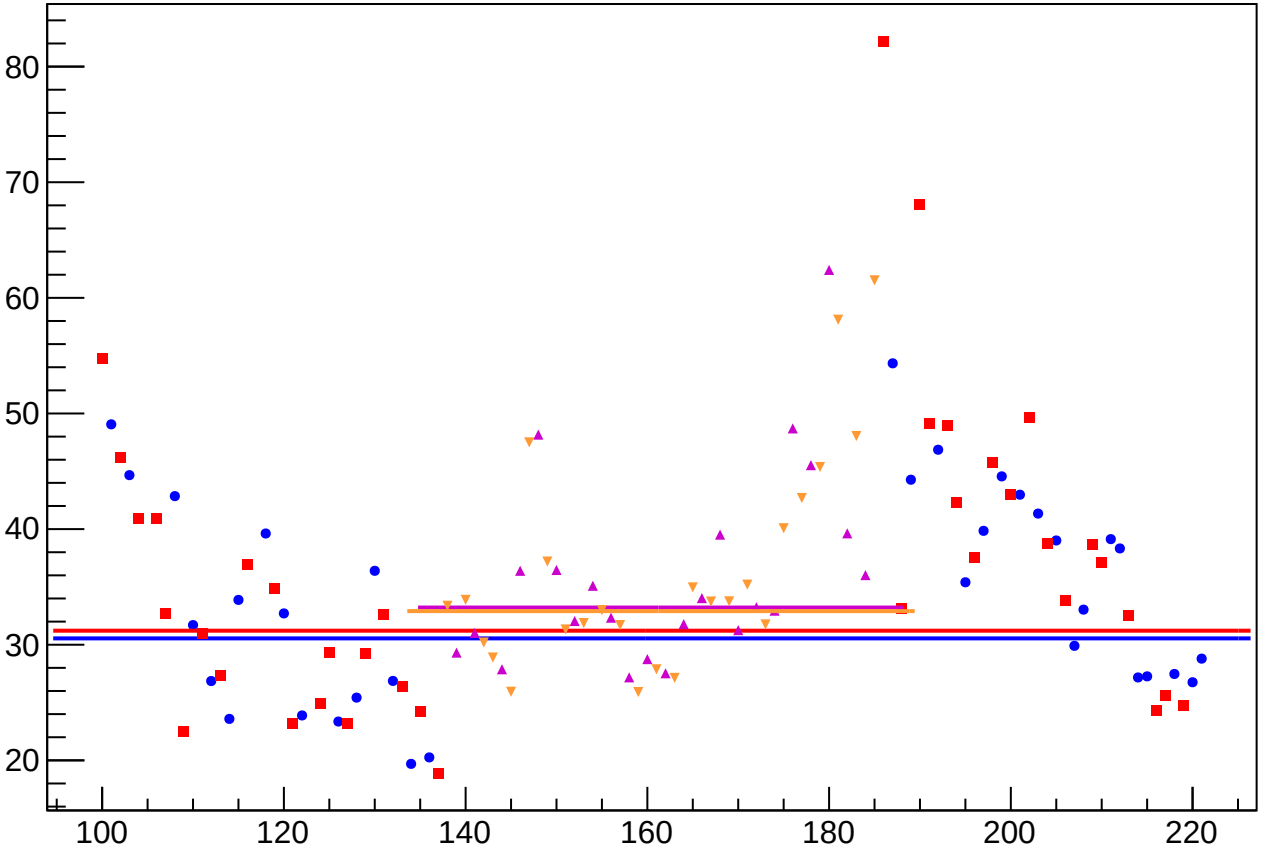
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.012+/-0.005 χ^2/NDF: 66.5/58

All: 0.019+/-0.004 χ^2/NDF: 239.2/118

- sign 0.027+/-0.005 χ^2/NDF: 168.5/59

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.549+/-0.005 χ^2/NDF: 2654805.9/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

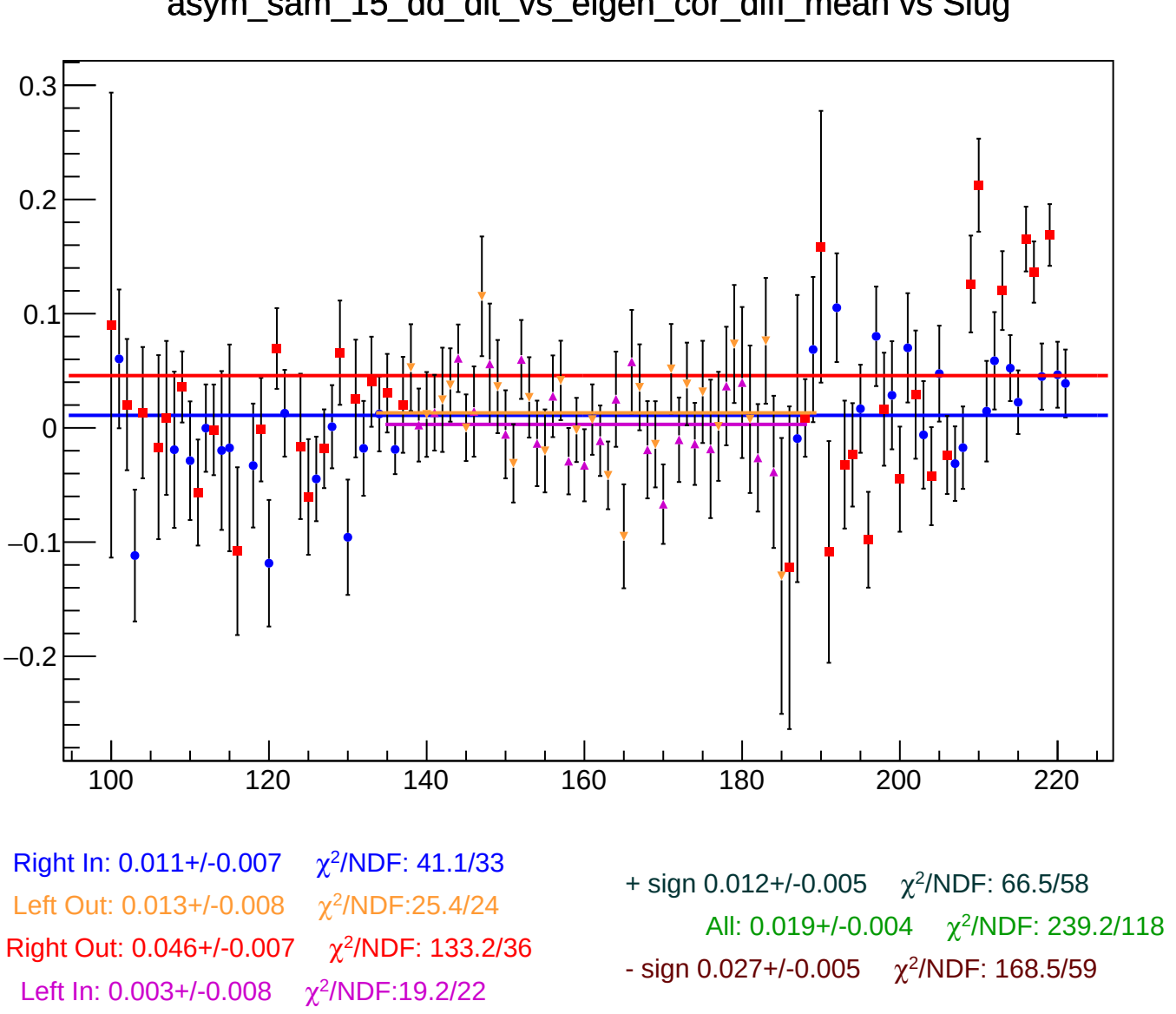
Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

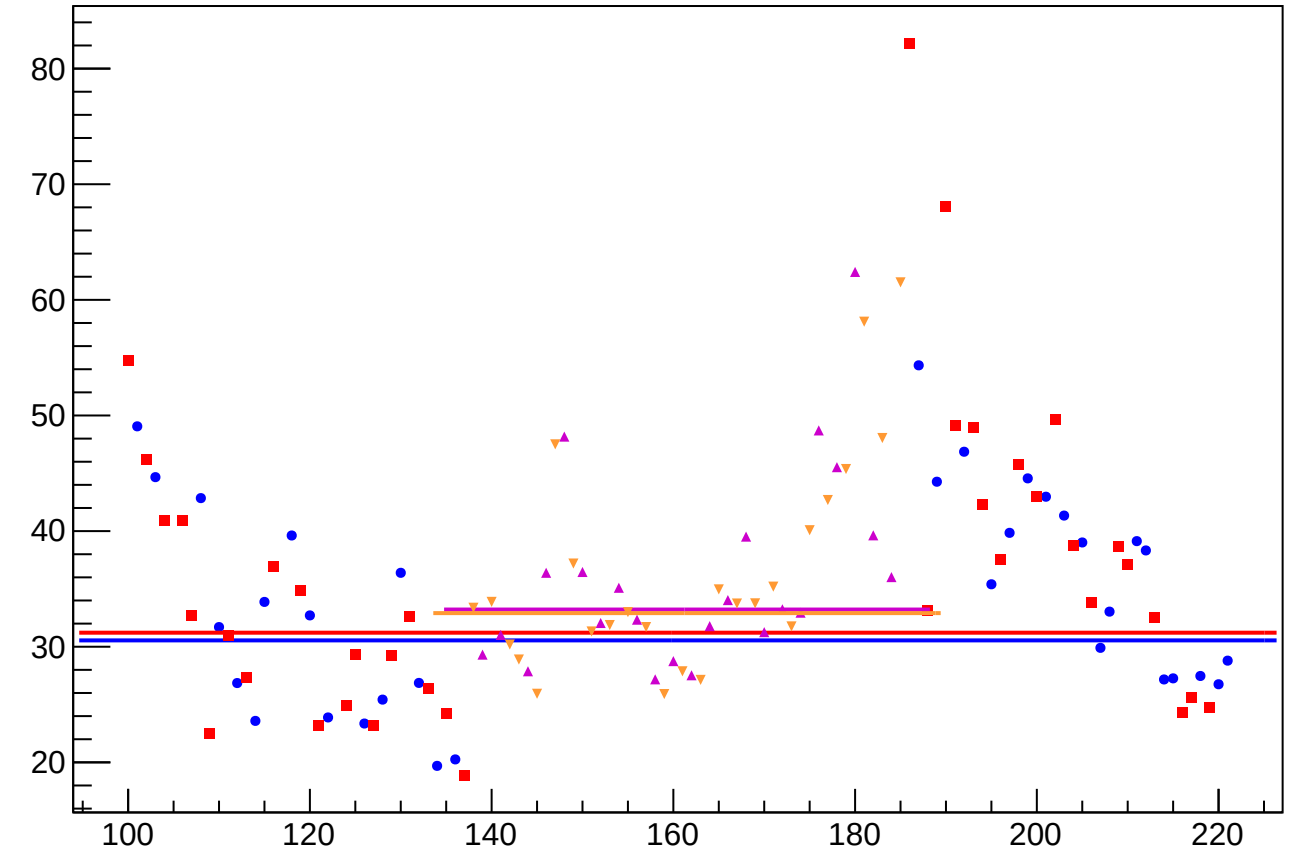
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.584+/-0.004 χ^2/NDF: 4188620.4/58

All: 31.830+/-0.003 χ^2/NDF: 8375807.1/118

\- sign 32.095+/-0.004 χ^2/NDF: 4177444.6/59


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: 0.011+/-0.007 χ²/NDF: 41.1/33
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: 0.046+/-0.007 χ²/NDF: 133.2/36
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.012+/-0.005 χ²/NDF: 66.5/58
All: 0.019+/-0.004 χ²/NDF: 239.2/118
- sign 0.027+/-0.005 χ²/NDF: 168.5/59



Right In: 30.549+/-0.005 χ^2/NDF: 2654805.9/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

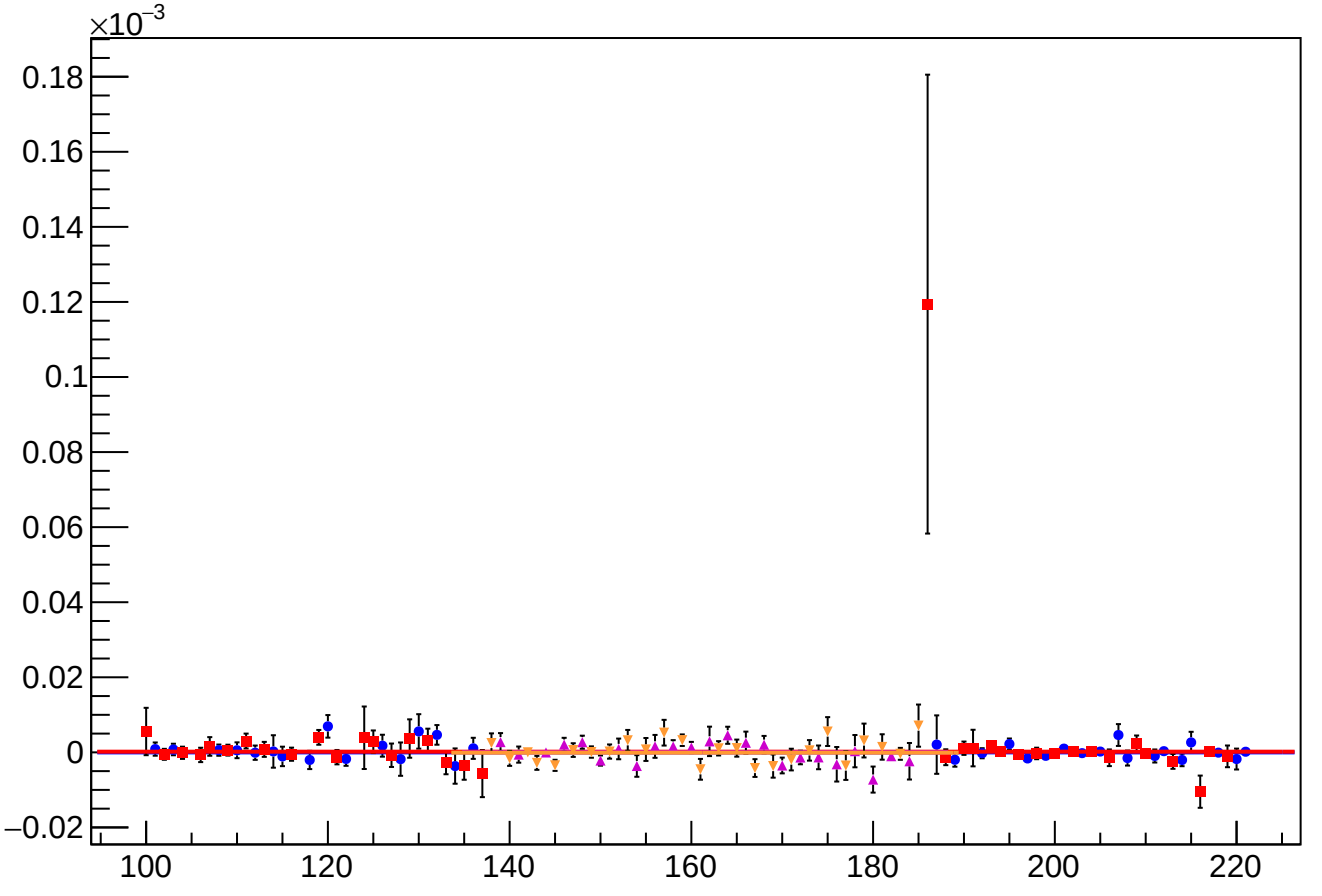
Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.584+/-0.004 χ^2/NDF: 4188620.4/58

All: 31.830+/-0.003 χ^2/NDF: 8375807.1/118

\- sign 32.095+/-0.004 χ^2/NDF: 4177444.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/36

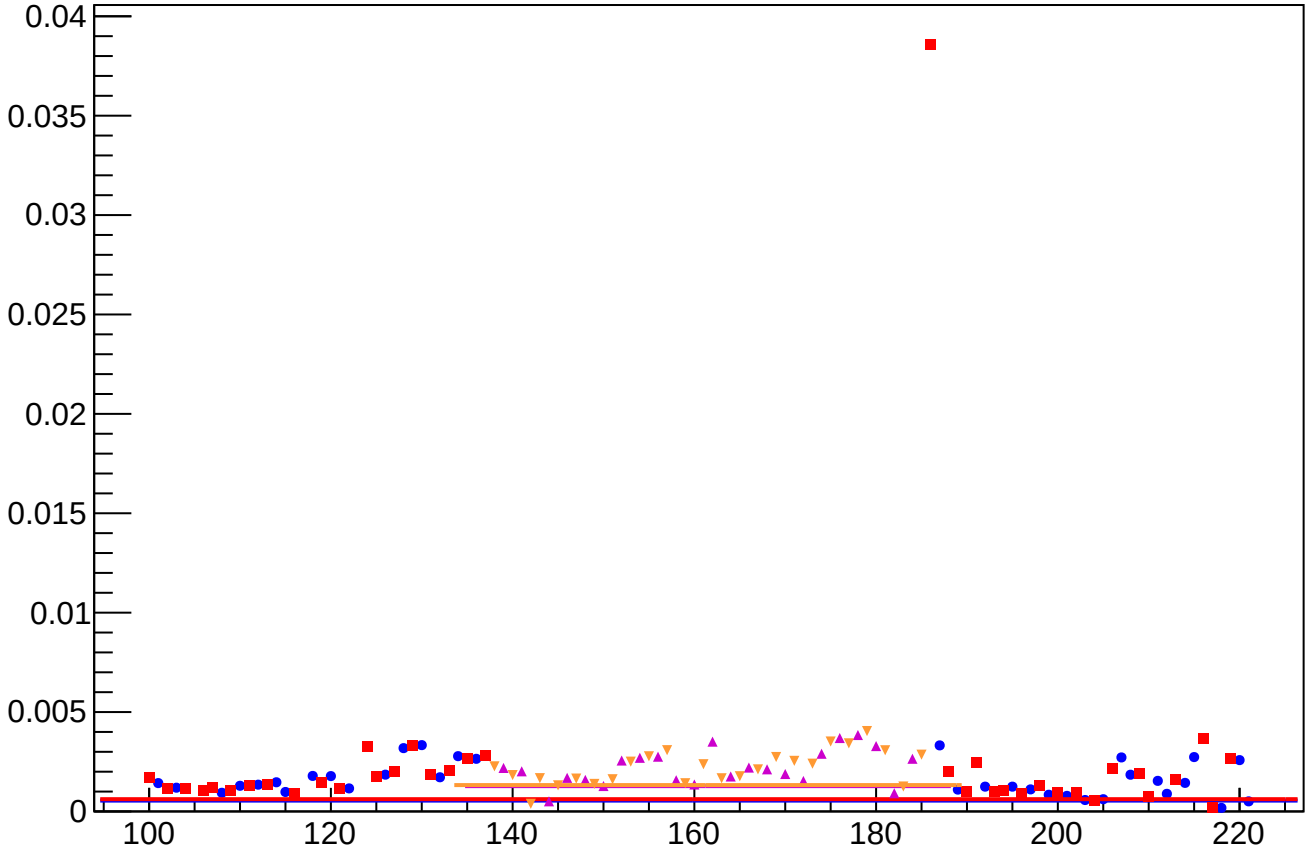
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/58

All: 0.000+/-0.000 χ^2/NDF: 117.9/118

- sign 0.000+/-0.000 χ^2/NDF: 58.4/59

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 19386187.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

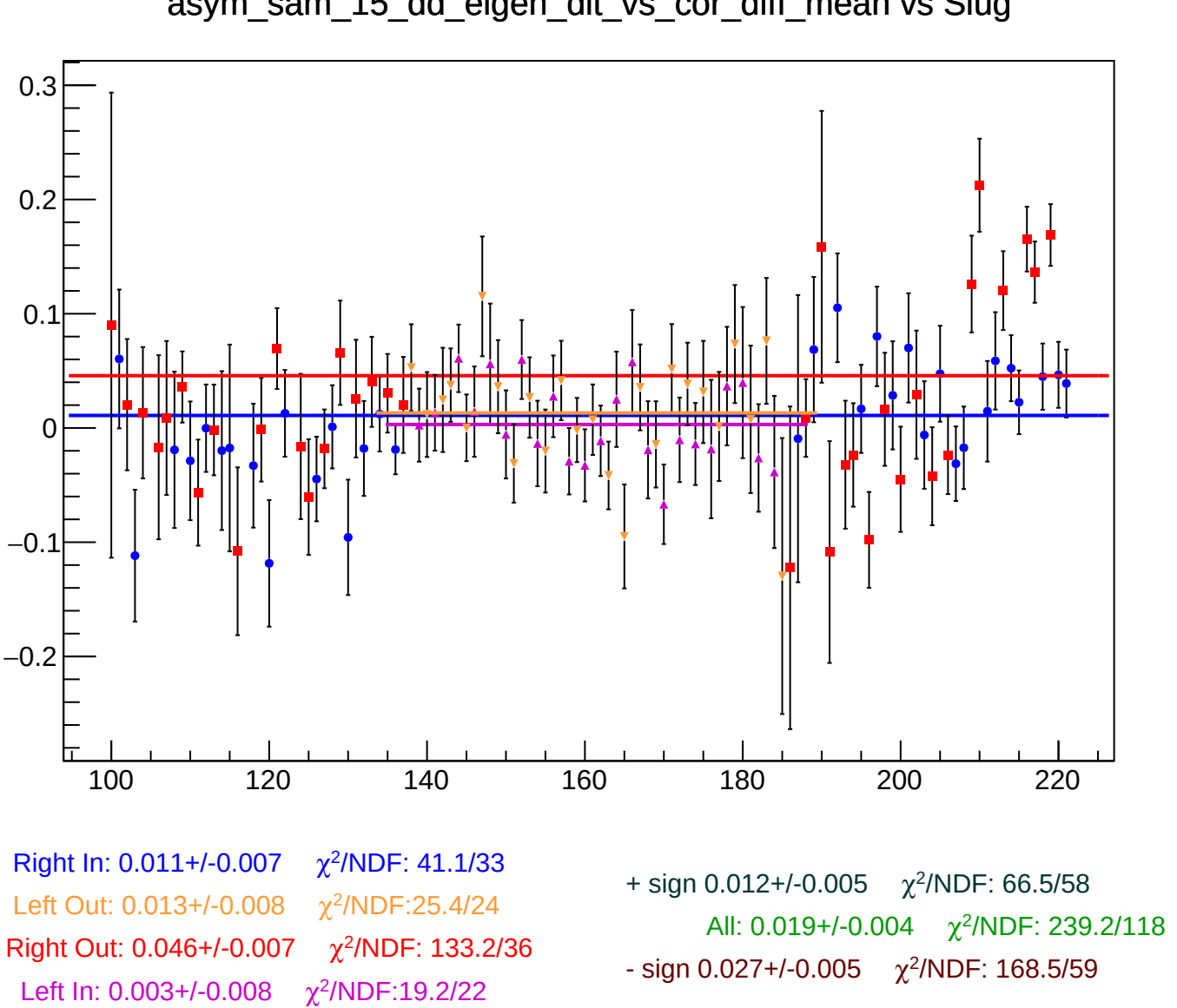
Right Out: 0.001+/-0.000 χ^2/NDF: 18252686.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

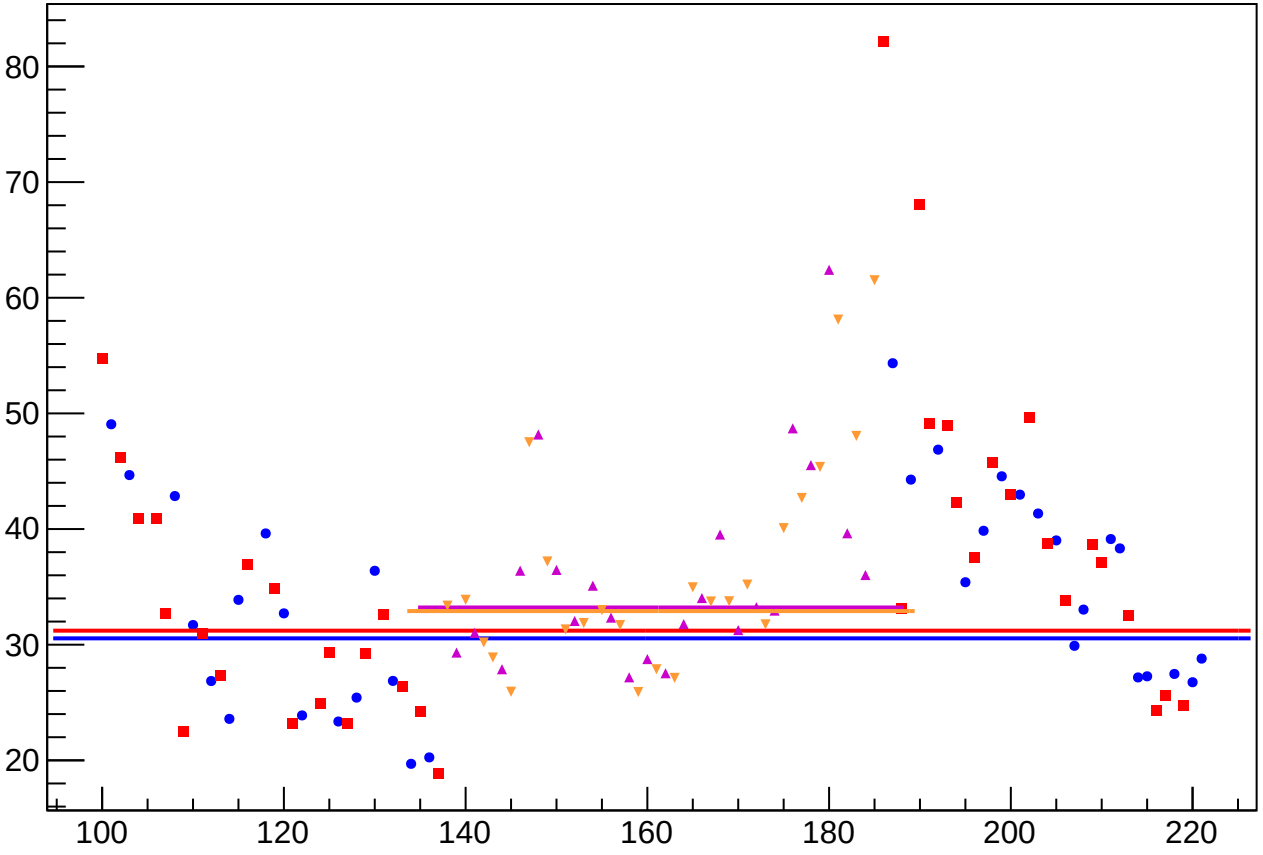
+ sign 0.001+/-0.000 χ^2/NDF: 38011621.1/58

All: 0.001+/-0.000 χ^2/NDF: 71740671.6/118

- sign 0.001+/-0.000 χ^2/NDF: 33503113.3/59


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: 0.011+/-0.007 χ²/NDF: 41.1/33
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: 0.046+/-0.007 χ²/NDF: 133.2/36
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.012+/-0.005 χ²/NDF: 66.5/58
All: 0.019+/-0.004 χ²/NDF: 239.2/118
- sign 0.027+/-0.005 χ²/NDF: 168.5/59

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.548+/-0.005 χ^2/NDF: 2654996.1/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

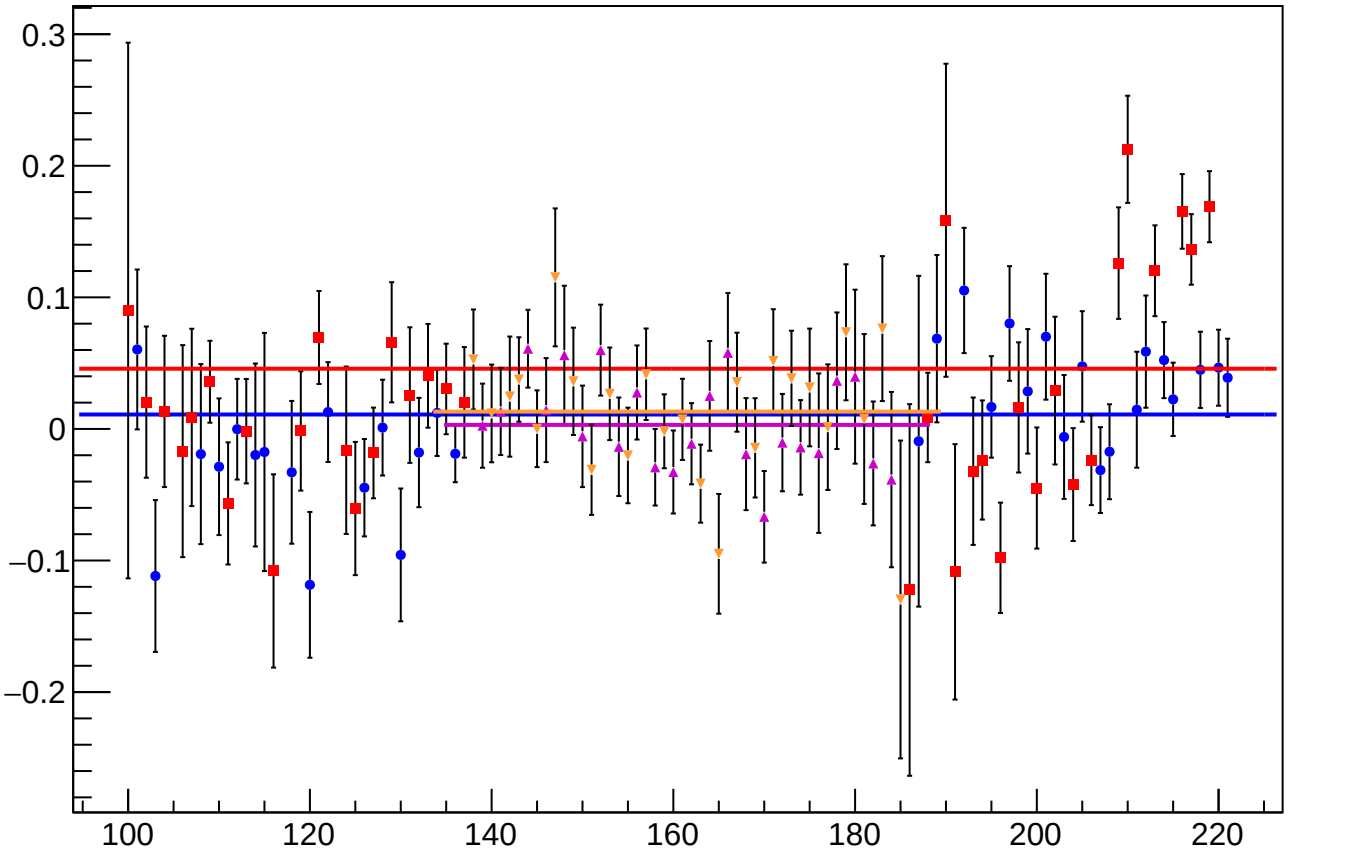
Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.583+/-0.004 χ^2/NDF: 4188937.0/58

All: 31.829+/-0.003 χ^2/NDF: 8376595.5/118

- sign 32.095+/-0.004 χ^2/NDF: 4177921.6/59



Right In: 0.011+/-0.007 χ^2/NDF: 41.1/33

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

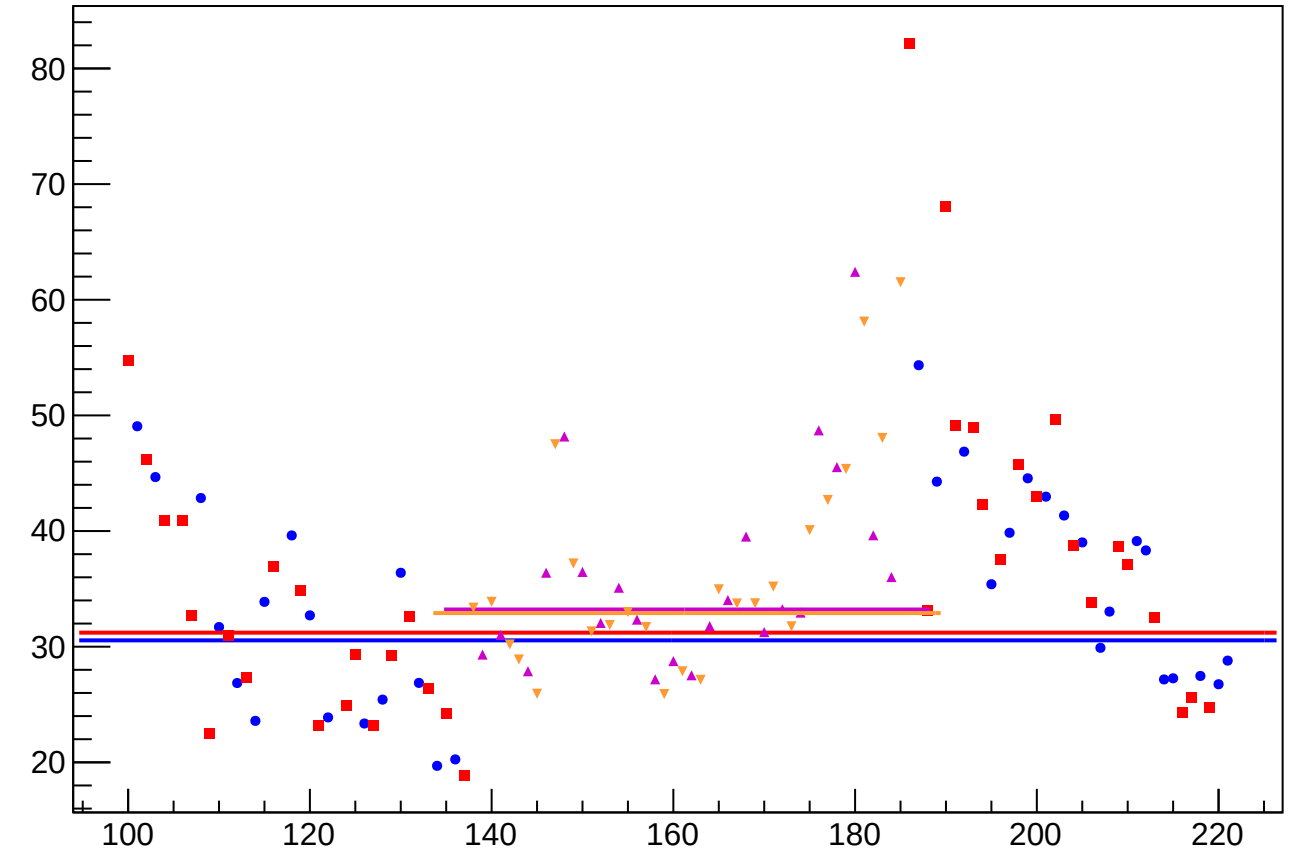
Right Out: 0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.012+/-0.005 χ^2/NDF: 66.5/58

All: 0.019+/-0.004 χ^2/NDF: 239.2/118

- sign 0.027+/-0.005 χ^2/NDF: 168.5/59



Right In: 30.548+/-0.005 χ^2/NDF: 2654996.1/33

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

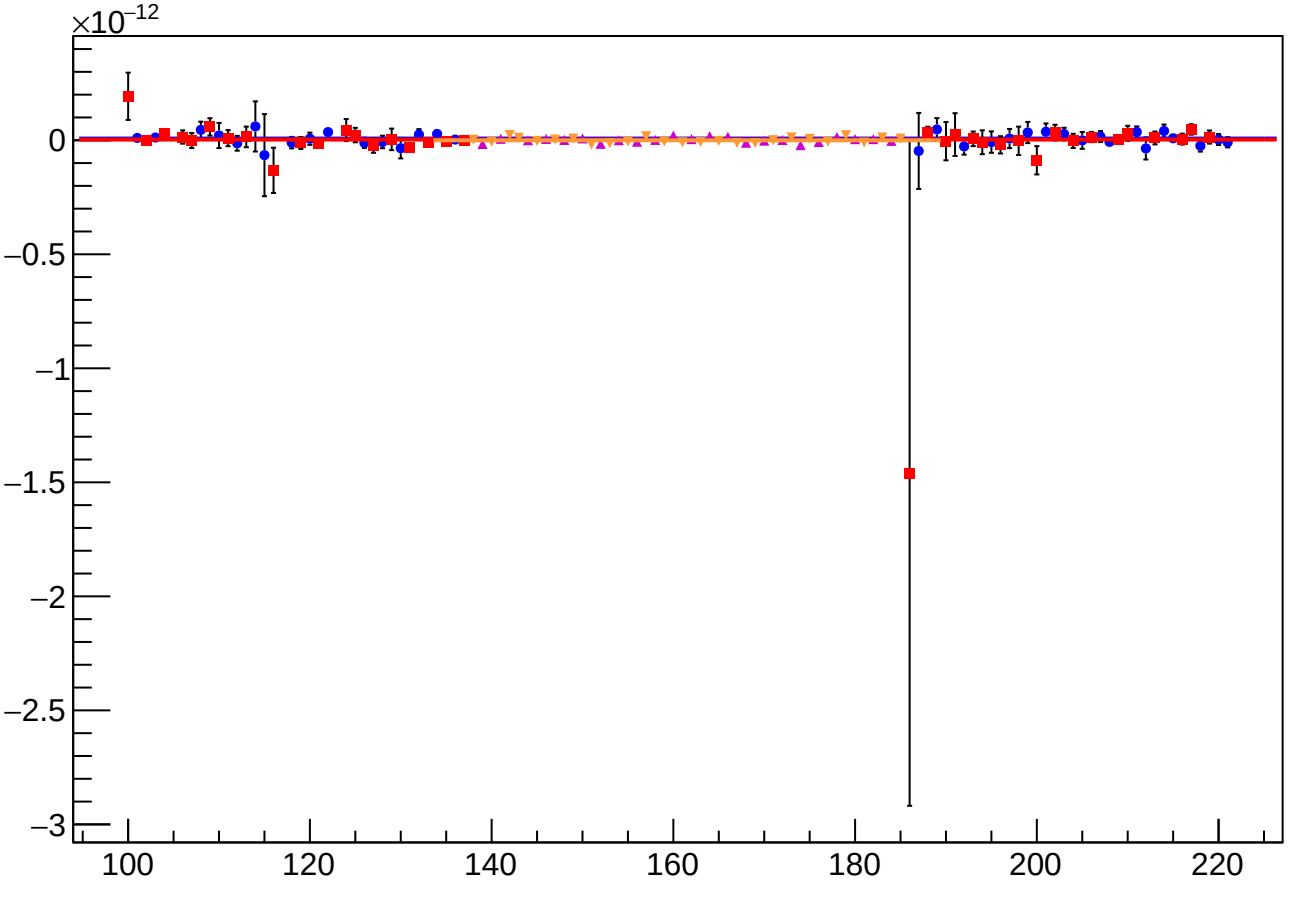
Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.583+/-0.004 χ^2/NDF: 4188937.0/58

All: 31.829+/-0.003 χ^2/NDF: 8376595.5/118

- sign 32.095+/-0.004 χ^2/NDF: 4177921.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

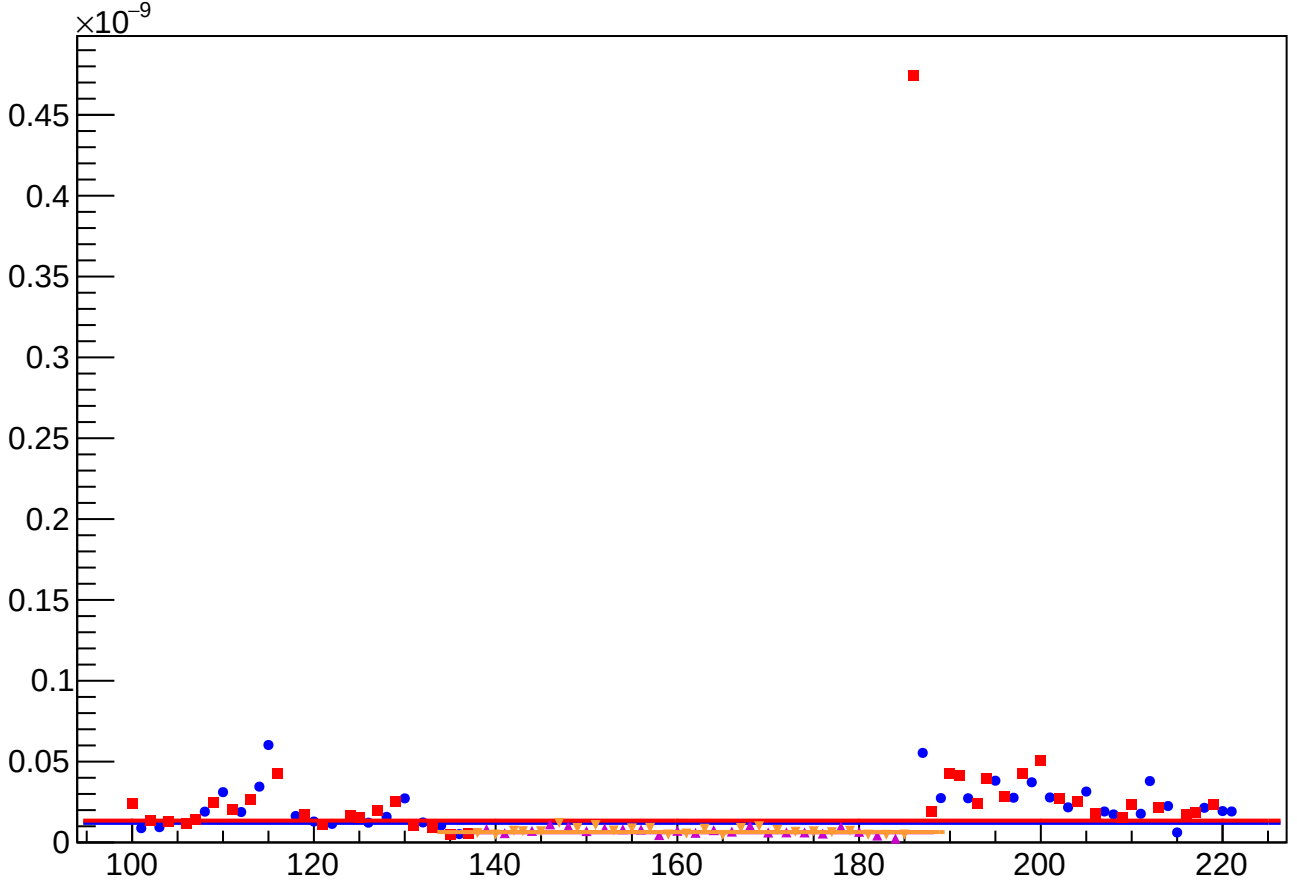
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.4/58

All: 0.000+/-0.000 χ^2/NDF: 104.6/118

- sign 0.000+/-0.000 χ^2/NDF: 52.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 9021233.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8021040.0/36

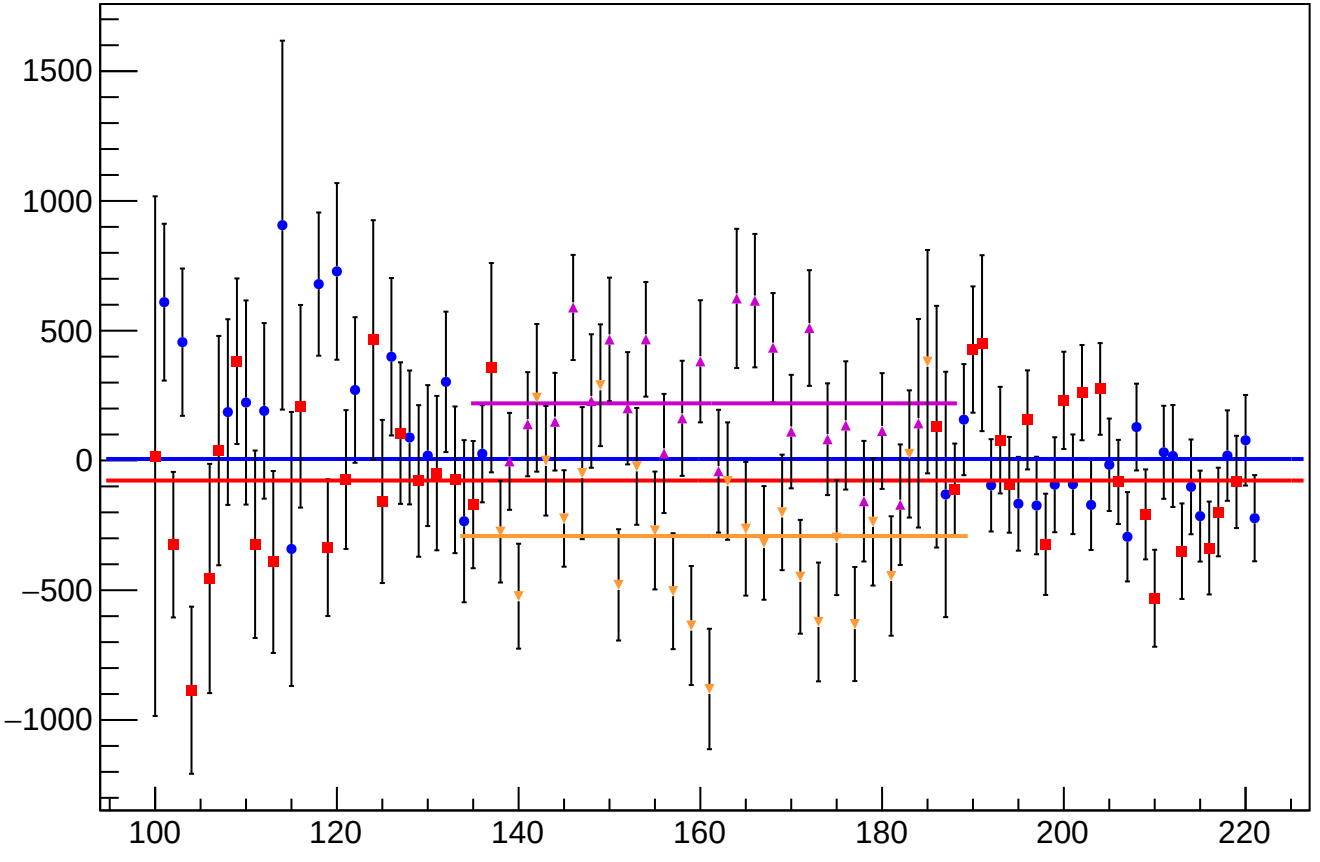
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14678588.6/58

All: 0.000+/-0.000 χ^2/NDF: 29881131.5/118

- sign 0.000+/-0.000 χ^2/NDF: 15202009.6/59

reg_asym_sam_26_dd_mean vs Slug



Right In: 5.615+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.343+/-38.736 χ^2/NDF: 48.0/36

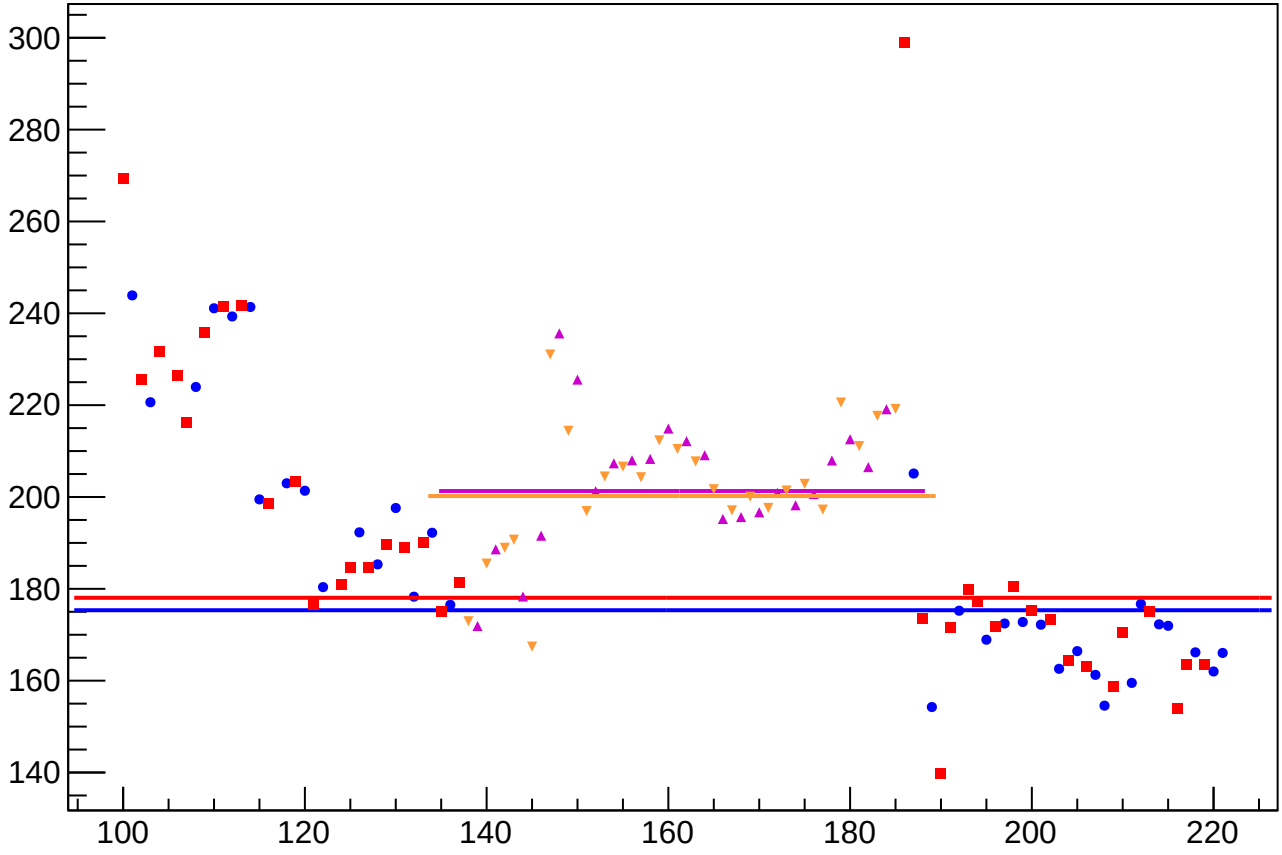
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

\+ sign -114.432+/-29.003 χ^2/NDF: 97.9/58

All: -38.442+/-20.828 χ^2/NDF: 207.5/118

\- sign 42.480+/-29.930 χ^2/NDF: 95.4/59

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.339+/-0.027 χ^2/NDF: 532879.8/33

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 178.050+/-0.027 χ^2/NDF: 711348.8/36

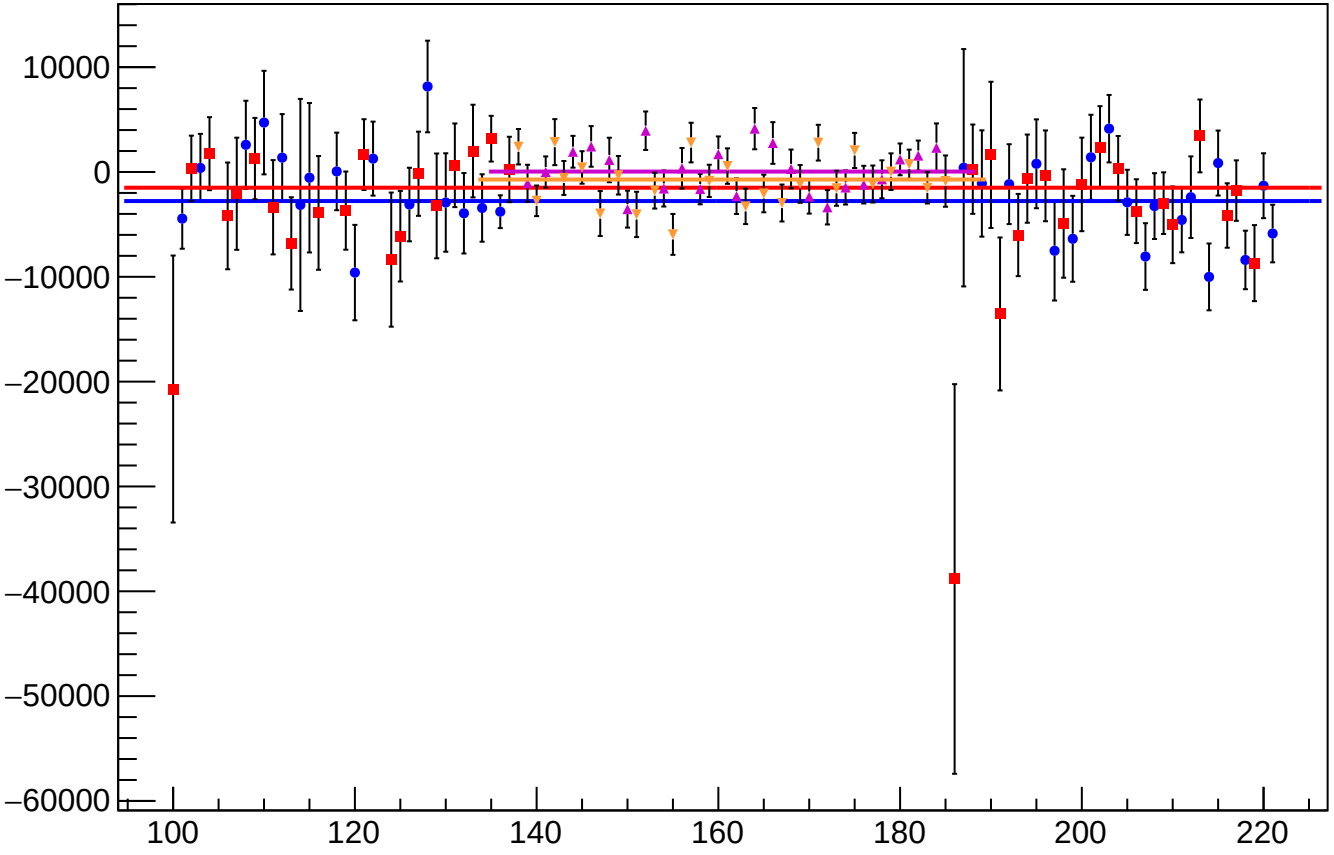
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 185.394+/-0.021 χ^2/NDF: 1091467.9/58

All: 186.375+/-0.015 χ^2/NDF: 2279482.3/118

- sign 187.419+/-0.021 χ^2/NDF: 1183293.5/59

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2773.534+/-594.453 χ^2/NDF: 41.0/33

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1500.558+/-639.312 χ^2/NDF: 34.5/36

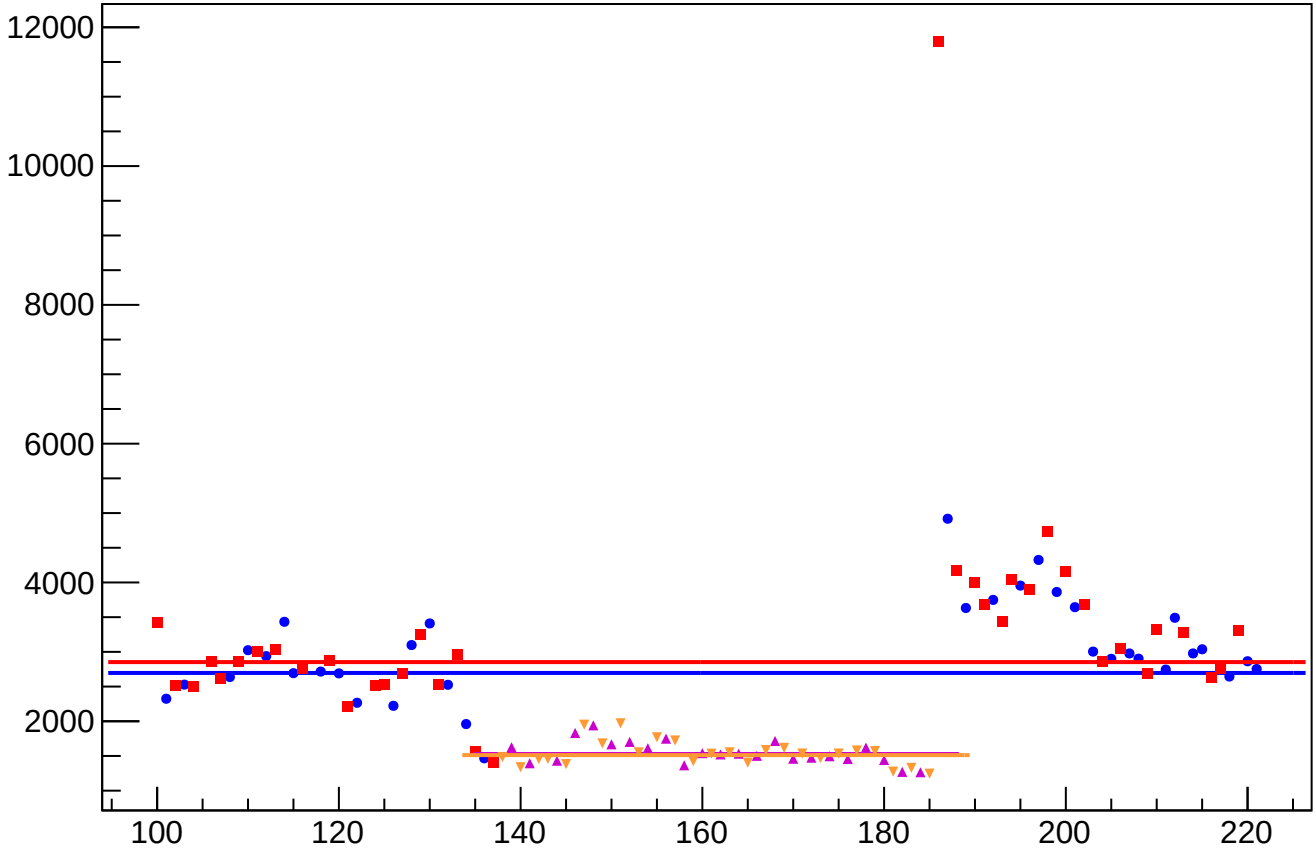
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1241.015+/-299.277 χ^2/NDF: 88.2/58

All: -806.342+/-216.375 χ^2/NDF: 165.9/118

- sign -330.288+/-313.199 χ^2/NDF: 73.3/59

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2696.351+/-0.420 χ^2/NDF: 2703443.6/33

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2852.728+/-0.452 χ^2/NDF: 3018171.4/36

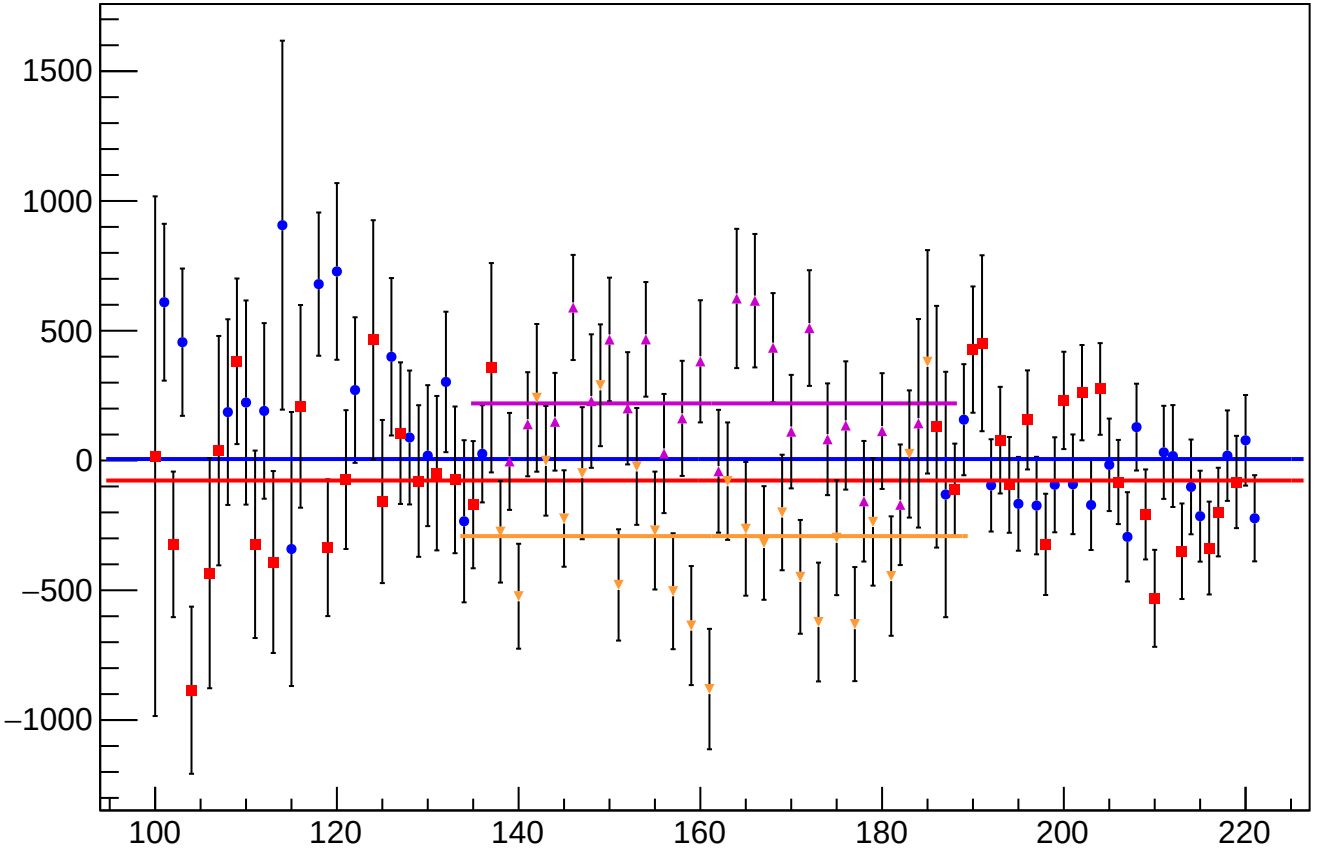
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1812.460+/-0.212 χ^2/NDF: 9068991.3/58

All: 1828.426+/-0.153 χ^2/NDF: 18999626.5/1

- sign 1845.911+/-0.221 χ^2/NDF: 9918709.7/59

cor_asym_sam_26_dd_mean vs Slug



Right In: 5.606+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.121+/-38.738 χ^2/NDF: 47.9/36

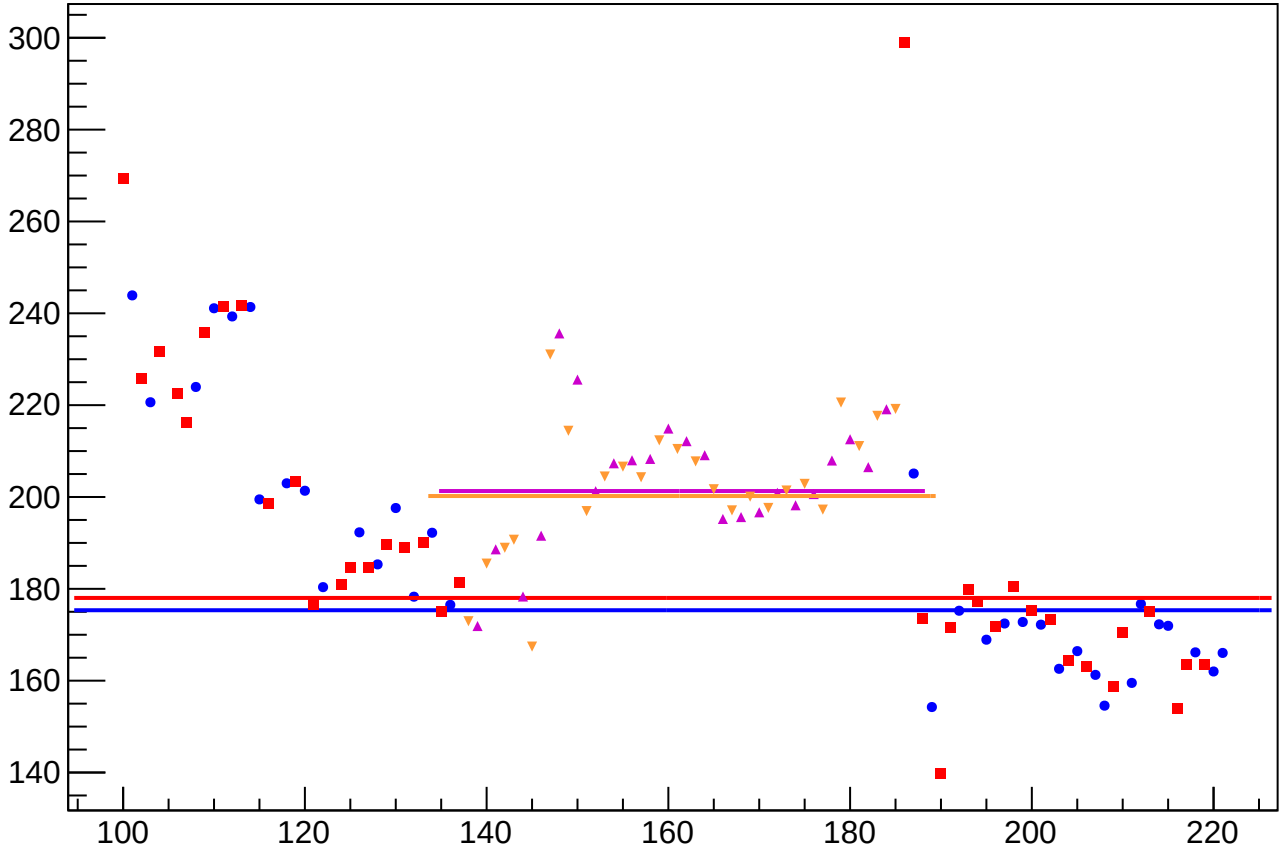
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

\+ sign -114.438+/-29.003 χ^2/NDF: 97.9/58

All: -38.379+/-20.828 χ^2/NDF: 207.4/118

\- sign 42.621+/-29.930 χ^2/NDF: 95.3/59

cor_asym_sam_26_dd_rms vs Slug



Right In: 175.339+/-0.027 χ^2/NDF: 532880.3/33

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

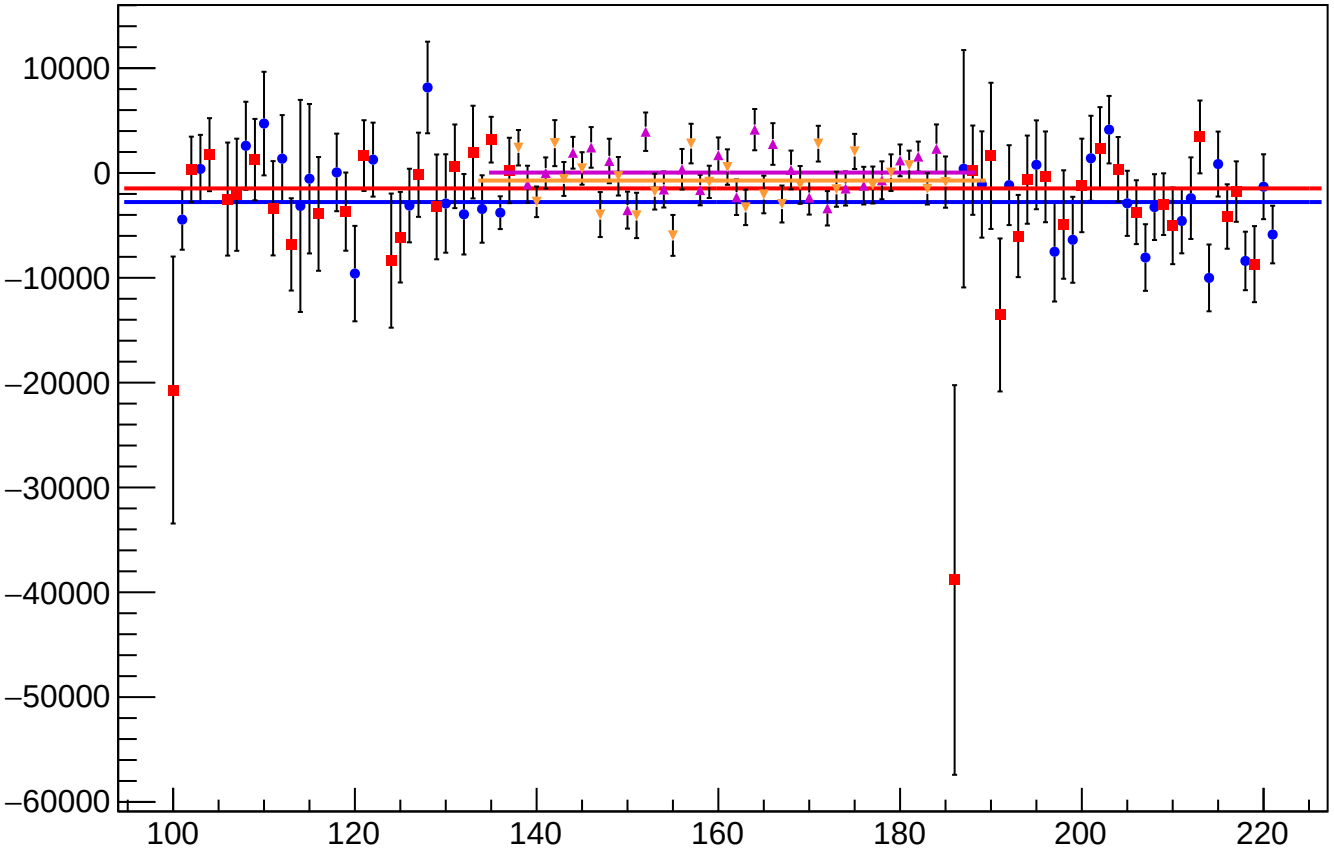
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 185.394+/-0.021 χ^2/NDF: 1091468.4/58

All: 186.366+/-0.015 χ^2/NDF: 2276405.9/118

\- sign 187.400+/-0.021 χ^2/NDF: 1180304.3/59

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2773.525+/-594.453 χ^2/NDF: 41.0/33

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1472.157+/-639.870 χ^2/NDF: 34.2/36

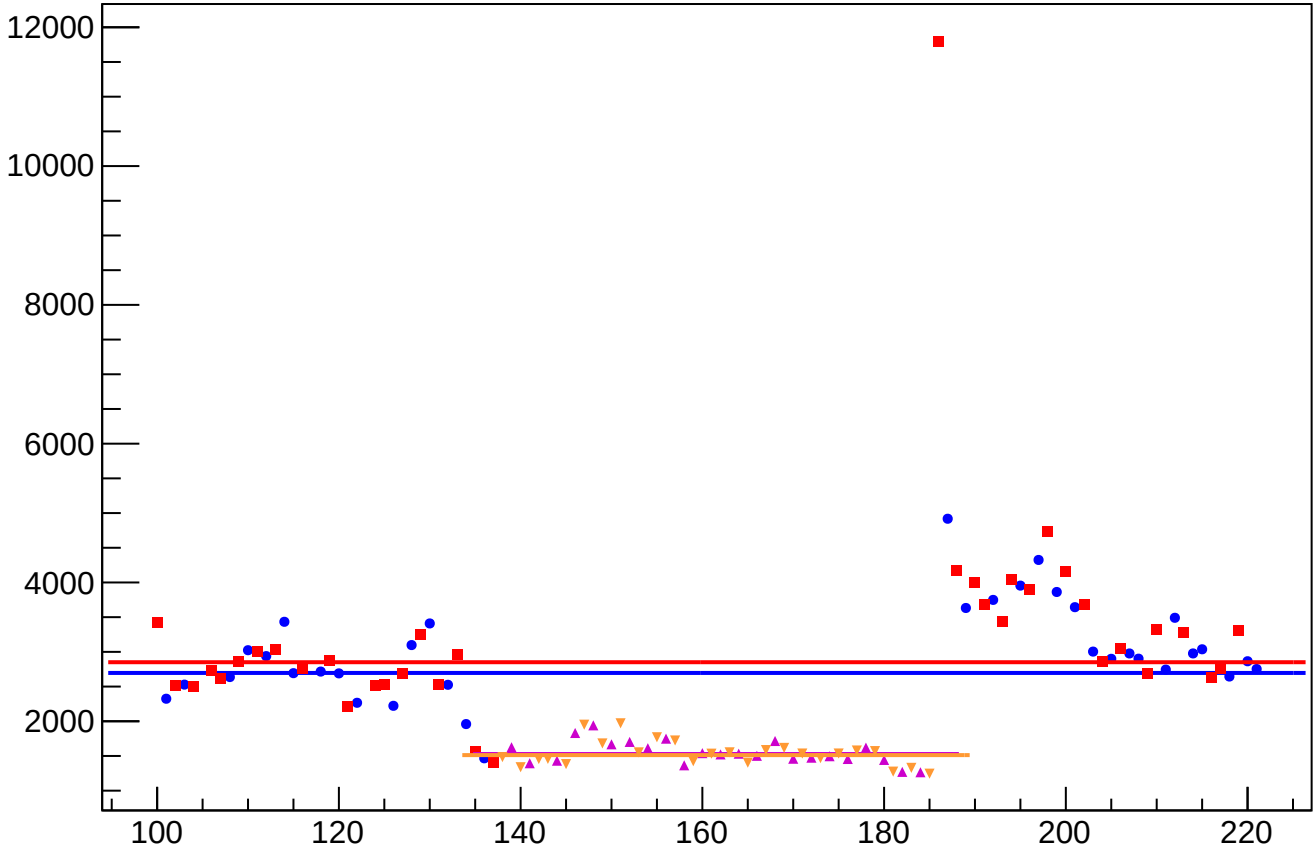
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1241.016+/-299.277 χ^2/NDF: 88.2/58

All: -802.956+/-216.397 χ^2/NDF: 165.6/118

- sign -322.992+/-313.265 χ^2/NDF: 72.9/59

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2696.354+/-0.420 χ^2/NDF: 2703435.9/33

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

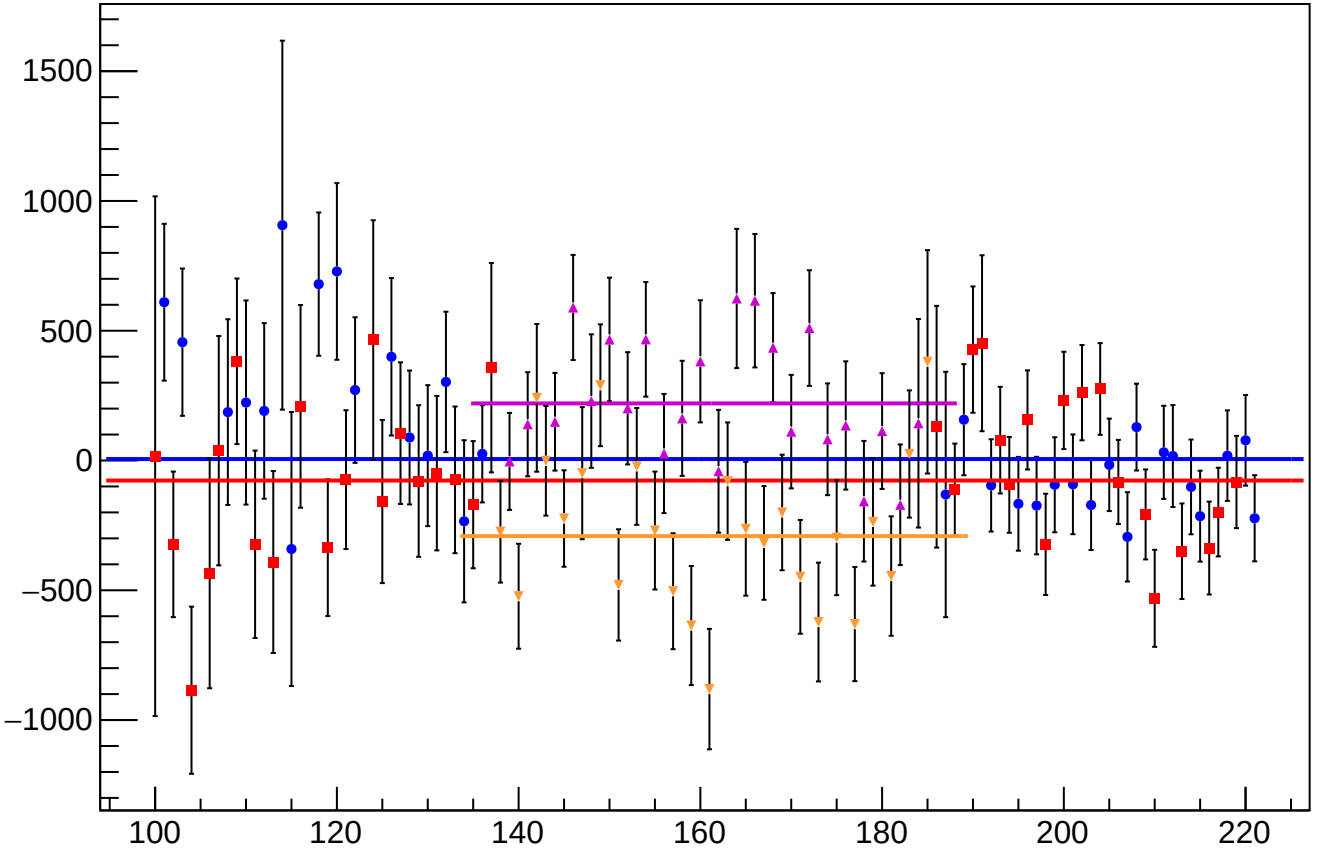
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1812.460+/-0.212 χ^2/NDF: 9069001.9/58

All: 1828.005+/-0.153 χ^2/NDF: 18972582.4/1

- sign 1845.036+/-0.222 χ^2/NDF: 9892273.8/59

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 5.606+/-37.578 χ^2/NDF: 36.3/33

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.121+/-38.738 χ^2/NDF: 47.9/36

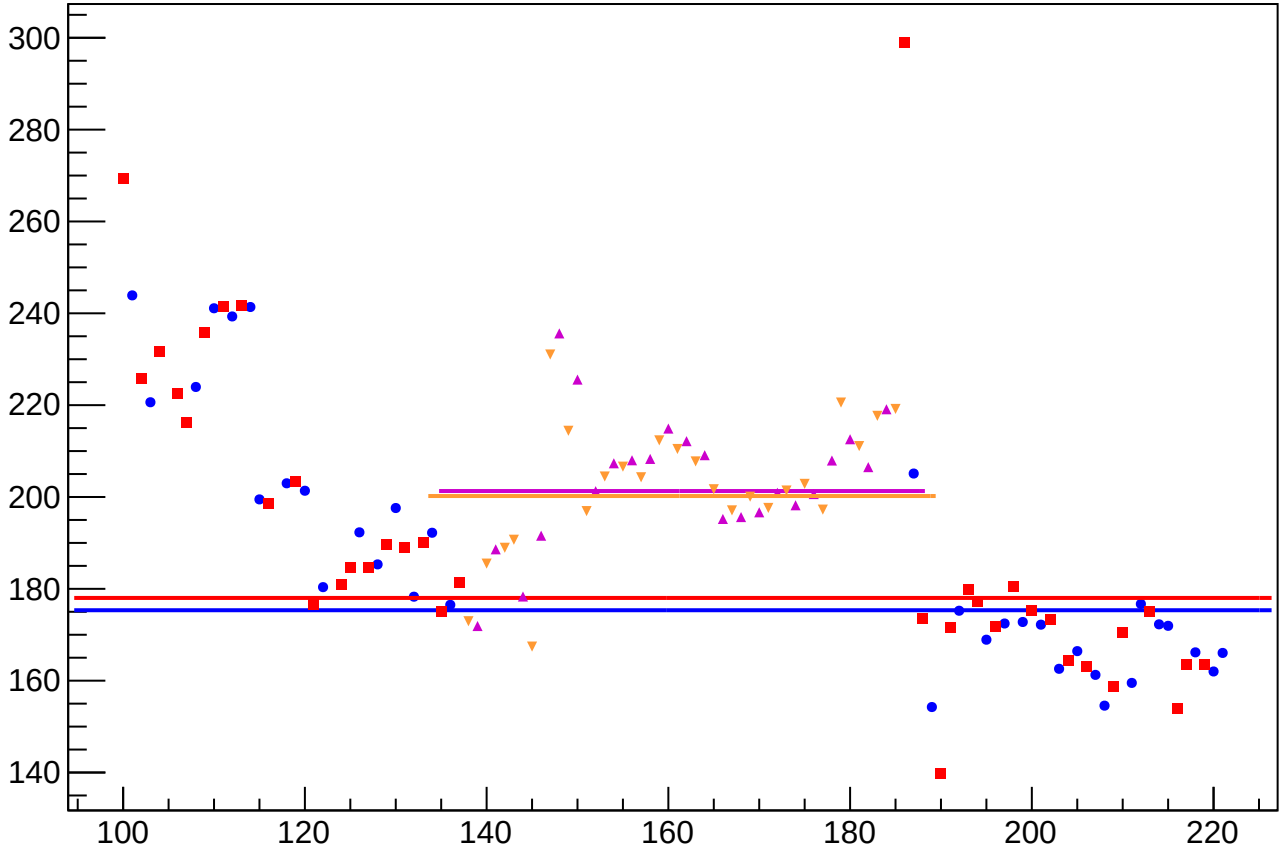
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -114.438+/-29.003 χ^2/NDF: 97.9/58

All: -38.379+/-20.828 χ^2/NDF: 207.4/118

- sign 42.621+/-29.930 χ^2/NDF: 95.3/59

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 175.339+/-0.027 χ^2/NDF: 532880.3/33

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

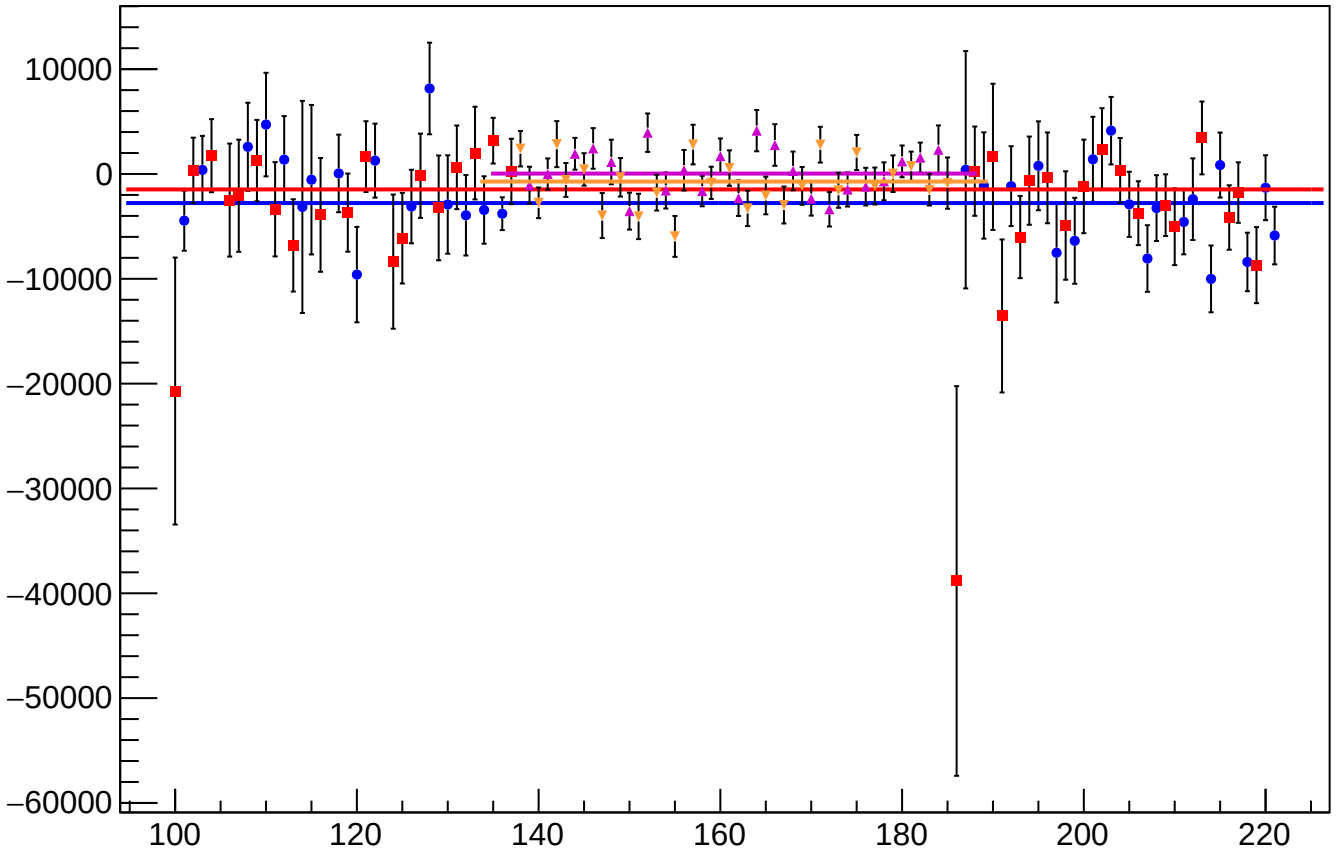
Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 185.394+/-0.021 χ^2/NDF: 1091468.4/58

All: 186.366+/-0.015 χ^2/NDF: 2276405.9/118

- sign 187.400+/-0.021 χ^2/NDF: 1180304.3/59



Right In: -2773.525+/-594.453 χ^2/NDF: 41.0/33

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1472.157+/-639.870 χ^2/NDF: 34.2/36

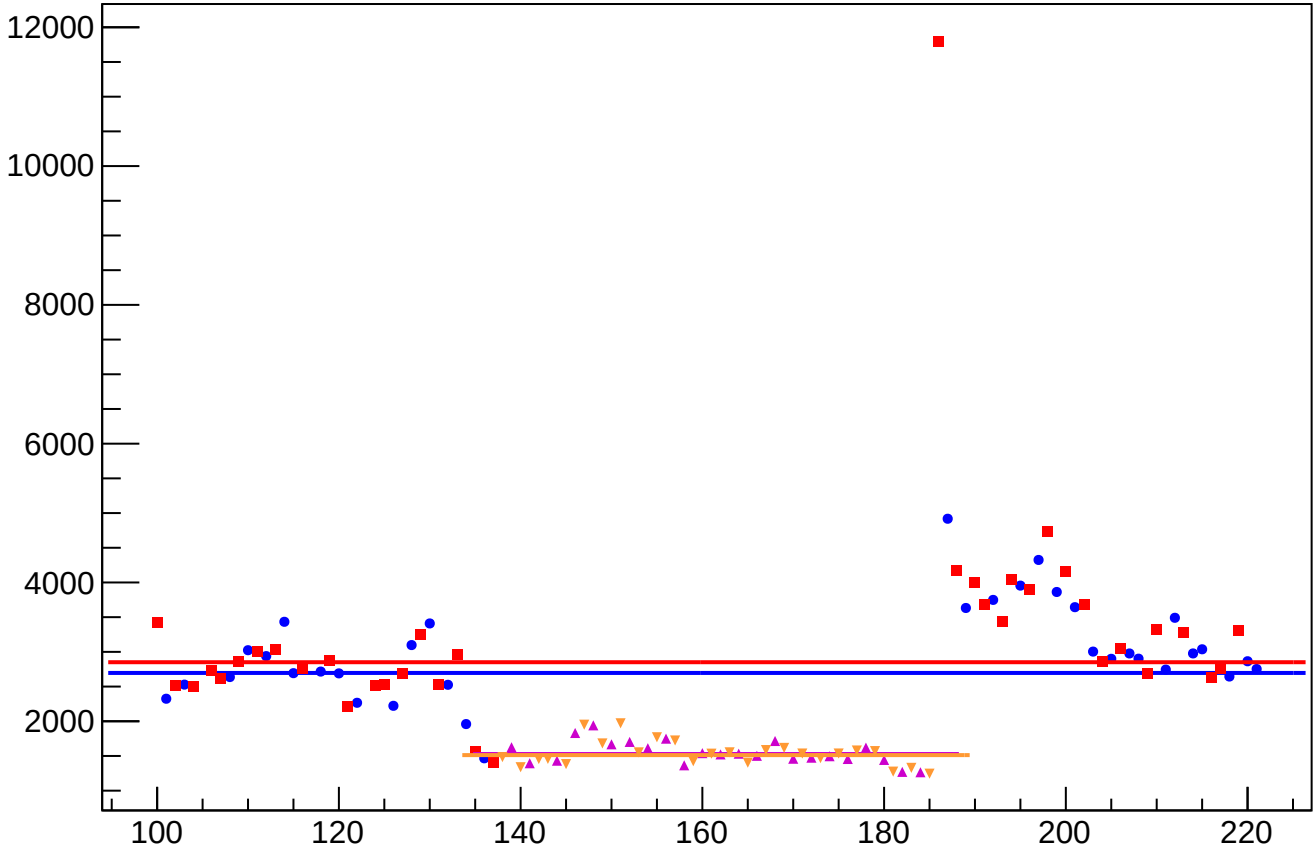
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1241.016+/-299.277 χ^2/NDF: 88.2/58

All: -802.956+/-216.397 χ^2/NDF: 165.6/118

- sign -322.992+/-313.265 χ^2/NDF: 72.9/59

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2696.354+/-0.420 χ^2/NDF: 2703435.9/33

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

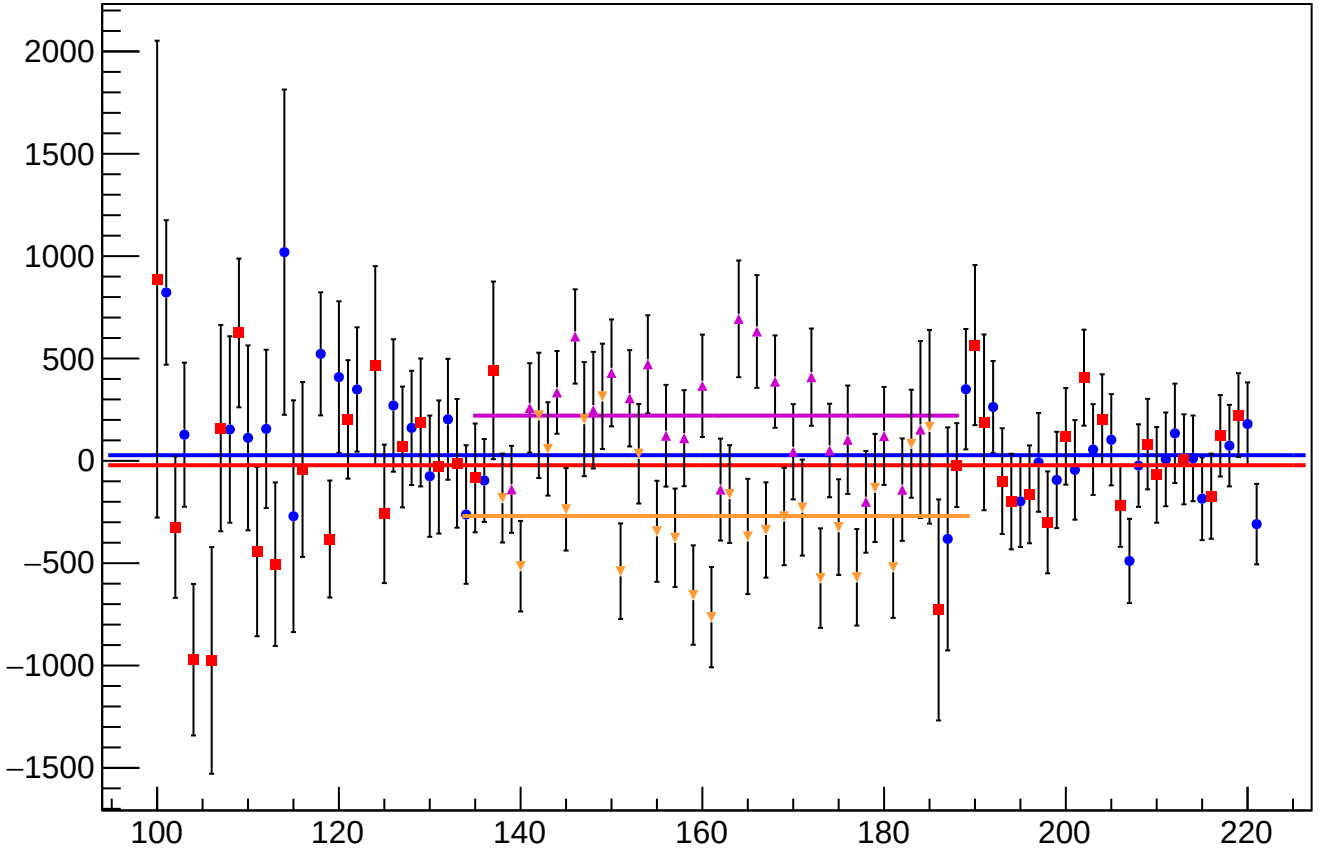
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1812.460+/-0.212 χ^2/NDF: 9069001.9/58

All: 1828.005+/-0.153 χ^2/NDF: 18972582.4/1

- sign 1845.036+/-0.222 χ^2/NDF: 9892273.8/59

dit_asym_sam_26_dd_mean vs Slug



Right In: 27.503+/-44.764 χ^2/NDF: 30.1/33

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -21.498+/-46.334 χ^2/NDF: 37.1/36

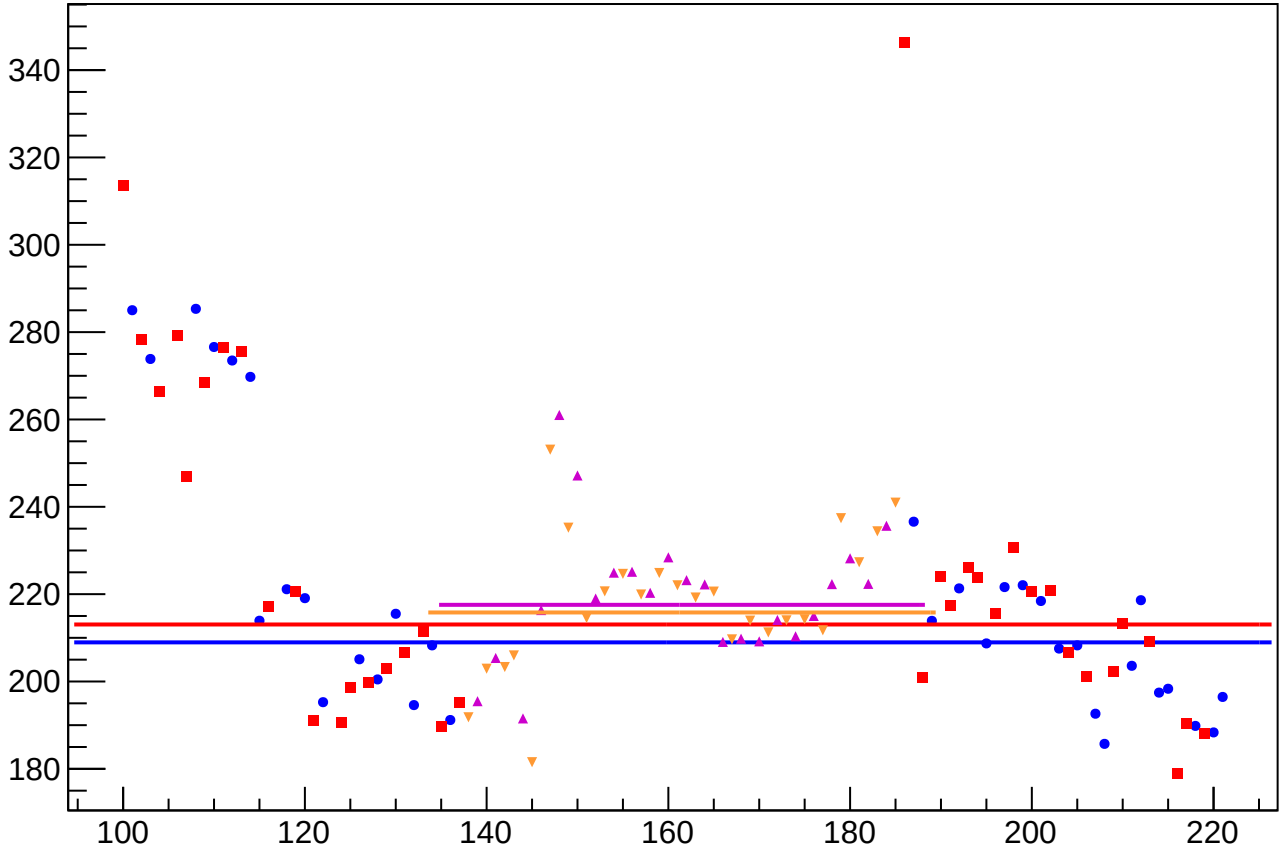
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

\+ sign -107.214+/-33.097 χ^2/NDF: 81.6/58

All: -12.927+/-23.811 χ^2/NDF: 171.2/118

\- sign 88.223+/-34.281 χ^2/NDF: 72.8/59

dit_asym_sam_26_dd_rms vs Slug



Right In: 208.958+/-0.032 χ^2/NDF: 490407.2/33

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 213.055+/-0.033 χ^2/NDF: 631983.6/36

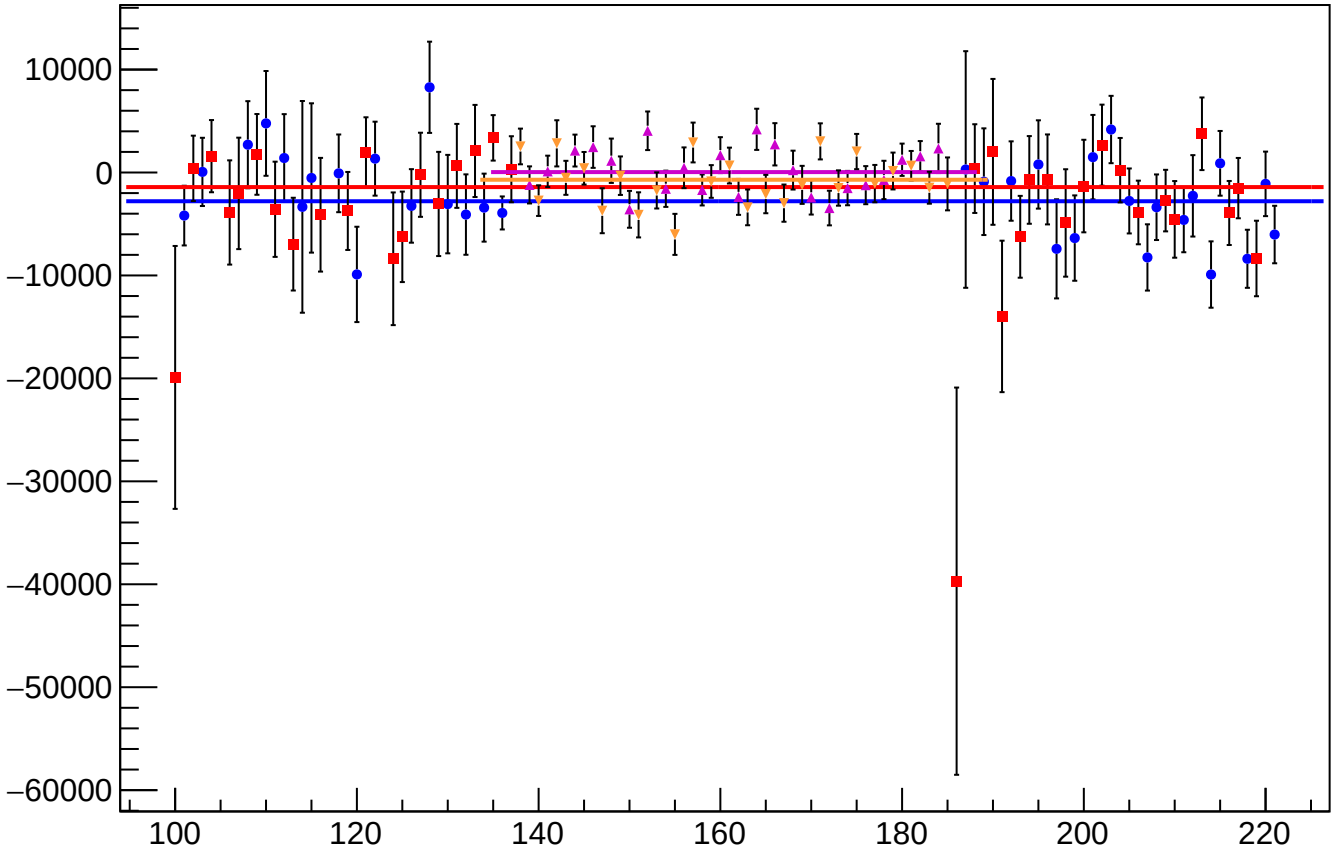
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 212.063+/-0.023 χ^2/NDF: 700326.3/58

All: 213.524+/-0.017 χ^2/NDF: 1509994.6/118

- sign 215.091+/-0.024 χ^2/NDF: 801588.6/59

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2791.211+/-604.565 χ^2/NDF: 40.6/33

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1416.346+/-648.612 χ^2/NDF: 34.5/36

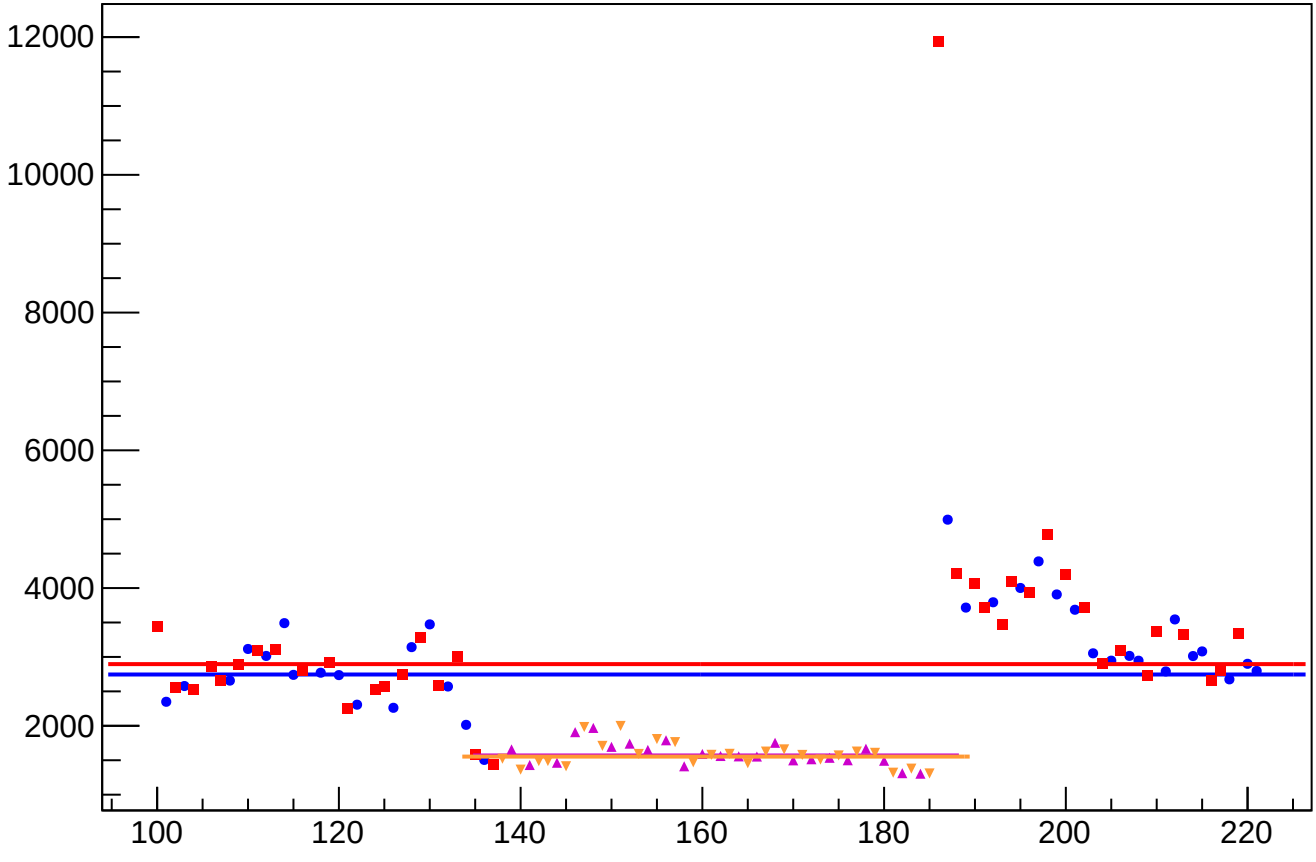
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -1240.198+/-306.421 χ^2/NDF: 87.0/58

All: -799.137+/-221.531 χ^2/NDF: 164.0/118

- sign -316.175+/-320.646 χ^2/NDF: 72.6/59

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2745.017+/-0.427 χ^2/NDF: 2633937.9/33

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2895.823+/-0.459 χ^2/NDF: 2976730.2/36

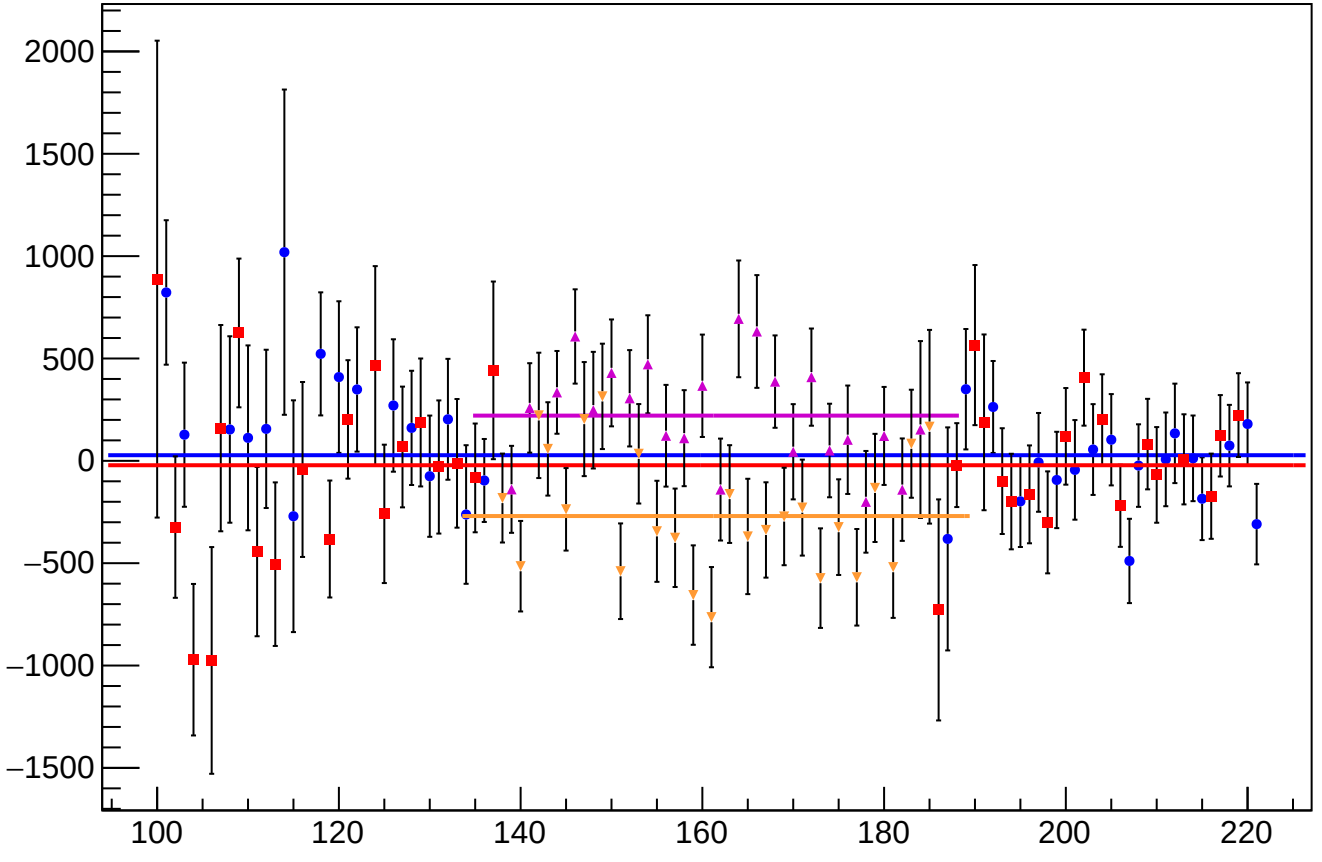
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1859.235+/-0.217 χ^2/NDF: 8821459.8/58

All: 1875.615+/-0.157 χ^2/NDF: 18487877.5/1

- sign 1893.551+/-0.227 χ^2/NDF: 9654444.2/59

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 27.508+/-44.763 χ^2/NDF: 30.1/33

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -21.496+/-46.334 χ^2/NDF: 37.1/36

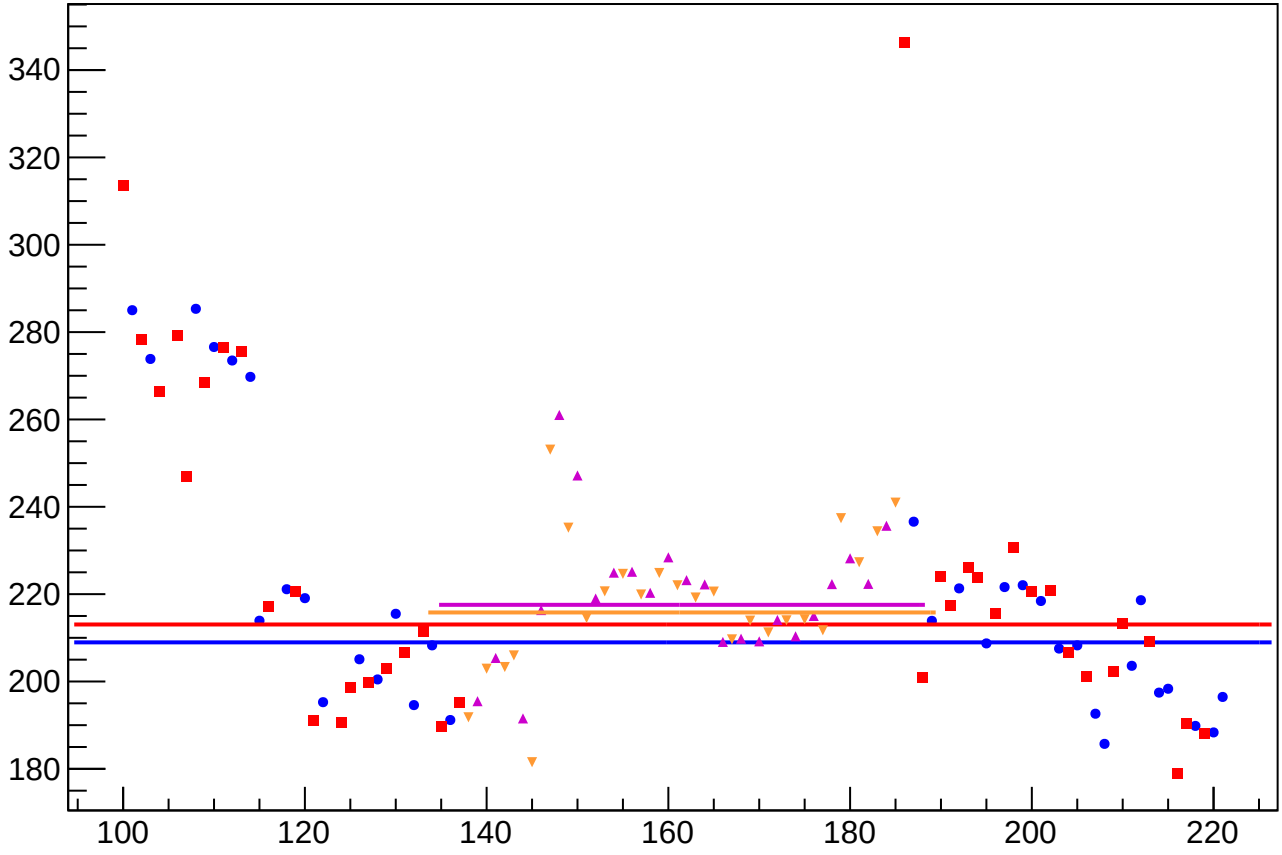
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -107.212+/-33.097 χ^2/NDF: 81.6/58

All: -12.925+/-23.811 χ^2/NDF: 171.2/118

- sign 88.225+/-34.281 χ^2/NDF: 72.8/59

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 208.958+/-0.032 χ^2/NDF: 490397.7/33

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

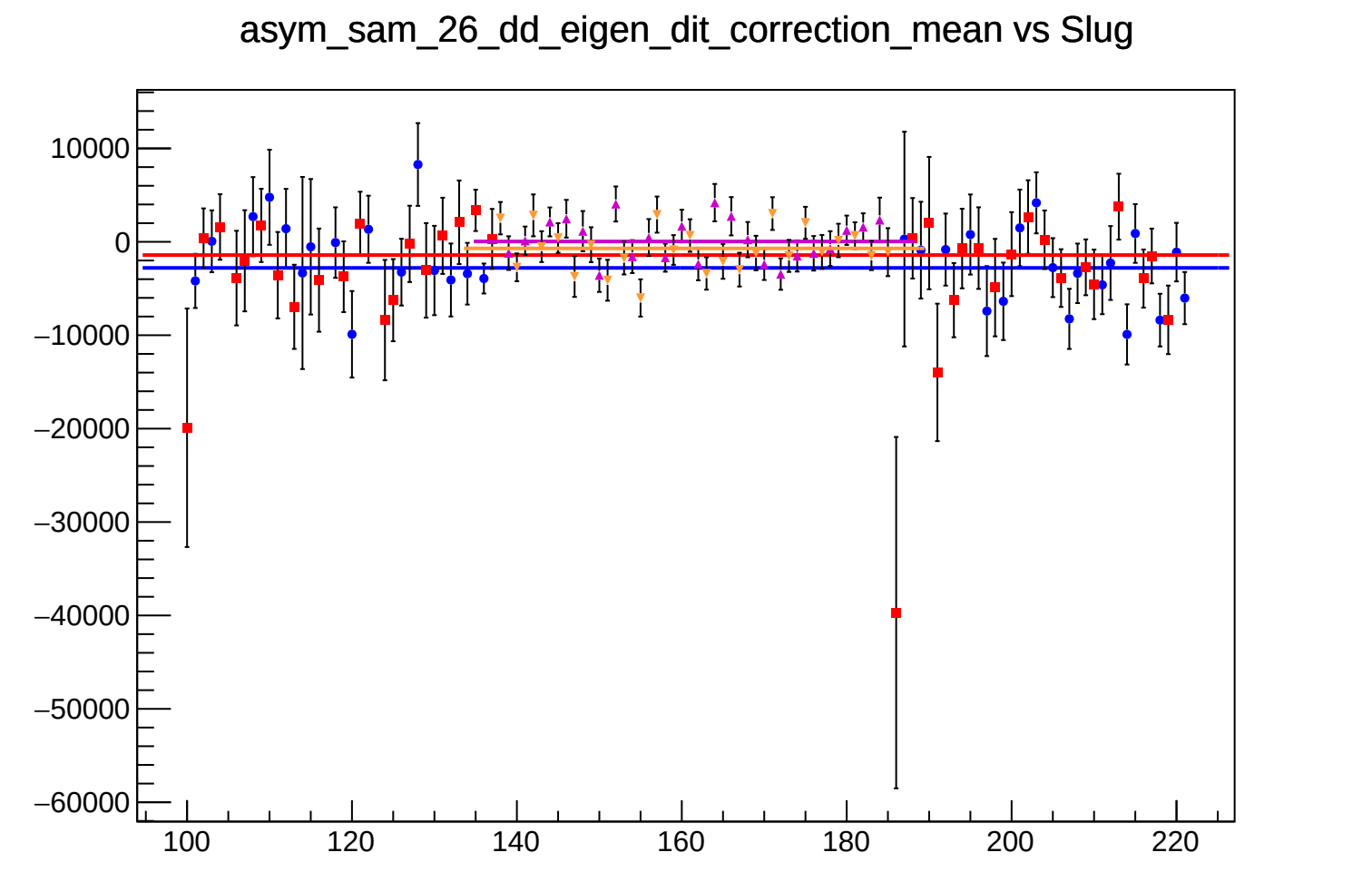
Right Out: 213.054+/-0.033 χ^2/NDF: 631962.2/36

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 212.062+/-0.023 χ^2/NDF: 700323.0/58

All: 213.524+/-0.017 χ^2/NDF: 1509973.0/118

- sign 215.091+/-0.024 χ^2/NDF: 801570.1/59



Right In: -2791.207+/-604.565 χ^2/NDF: 40.6/33

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1416.343+/-648.611 χ^2/NDF: 34.5/36

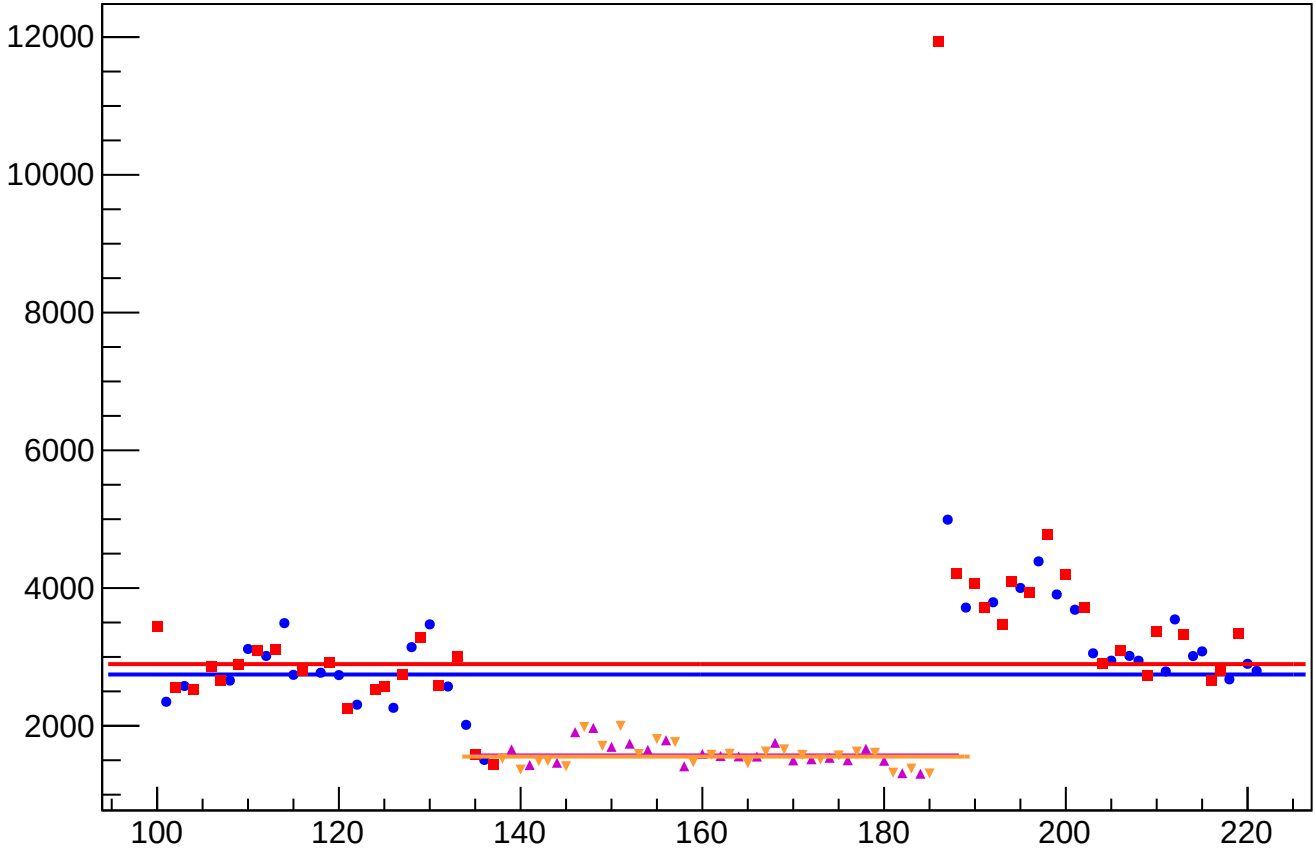
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -1240.198+/-306.421 χ^2/NDF: 87.0/58

All: -799.137+/-221.531 χ^2/NDF: 164.0/118

- sign -316.175+/-320.646 χ^2/NDF: 72.6/59

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2745.015+/-0.427 χ^2/NDF: 2633937.0/33

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2895.820+/-0.459 χ^2/NDF: 2976732.5/36

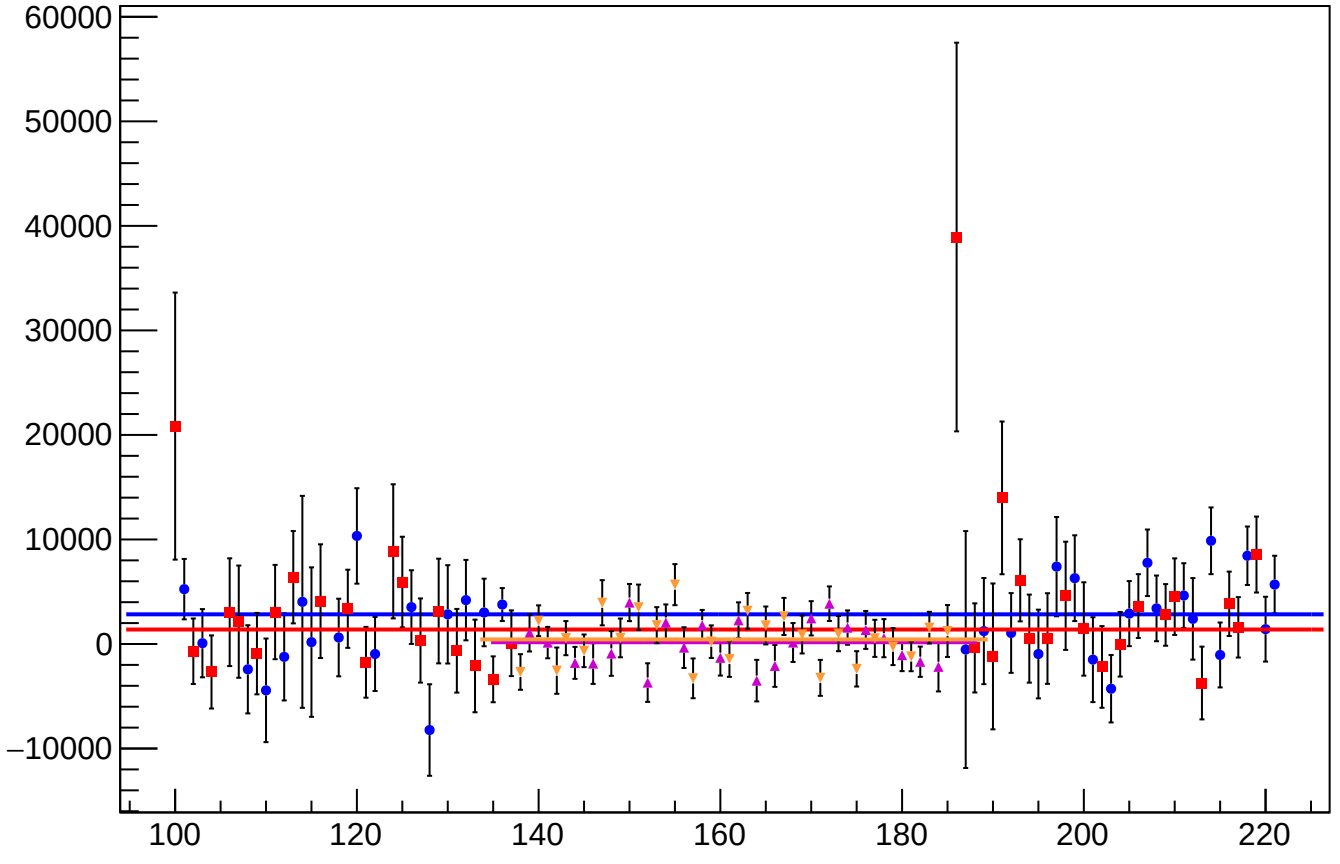
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1859.235+/-0.217 χ^2/NDF: 8821443.3/58

All: 1875.615+/-0.157 χ^2/NDF: 18487851.8/1

- sign 1893.551+/-0.227 χ^2/NDF: 9654435.3/59

asym_sam_26_dd_mean vs Slug



Right In: 2838.754+/-596.318 χ^2/NDF: 40.7/33

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1384.795+/-641.169 χ^2/NDF: 34.3/36

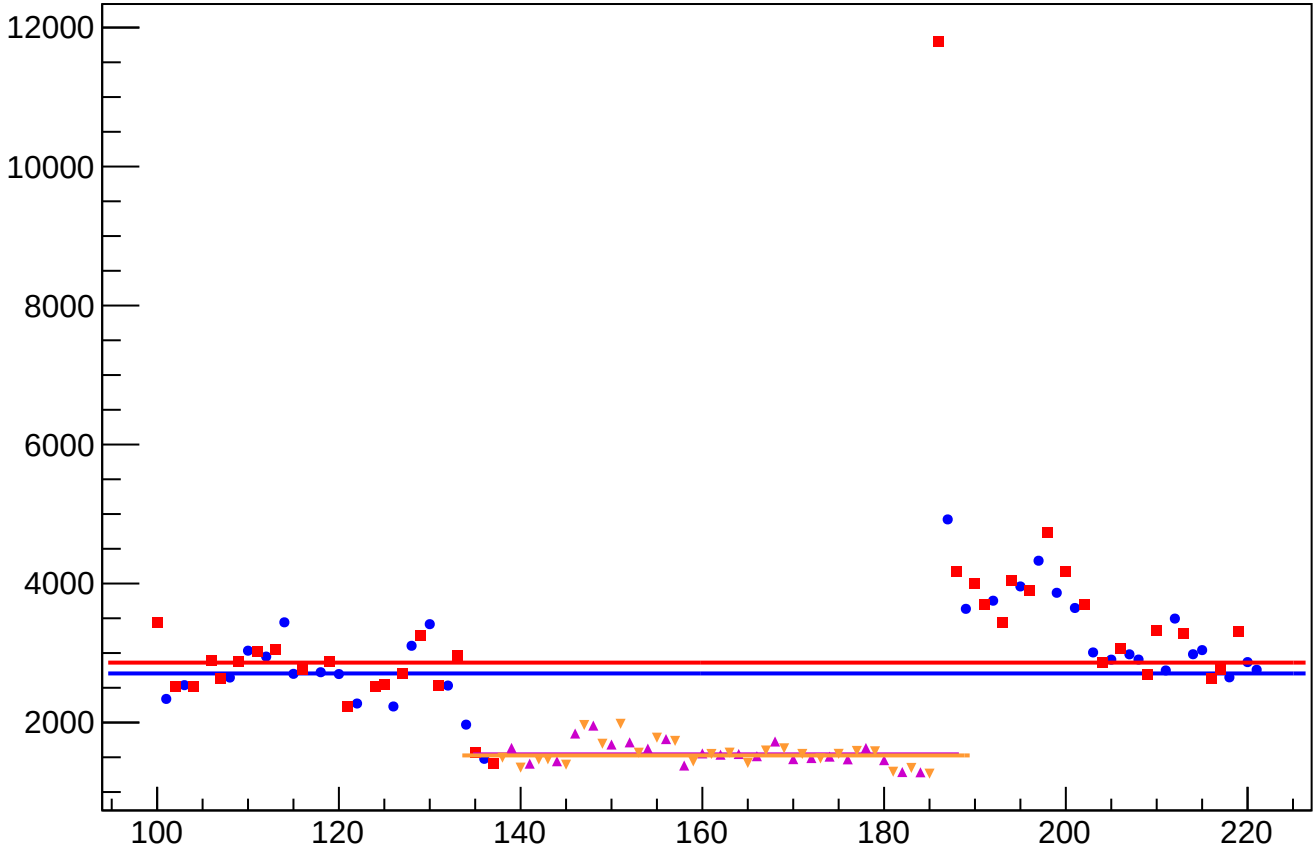
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 1051.683+/-301.580 χ^2/NDF: 91.6/58

All: 771.262+/-218.034 χ^2/NDF: 163.5/118

- sign 464.180+/-315.591 χ^2/NDF: 70.1/59

asym_sam_26_dd_rms vs Slug



Right In: 2706.285+/-0.422 χ^2/NDF: 2661138.5/33

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2862.087+/-0.453 χ^2/NDF: 2984715.5/36

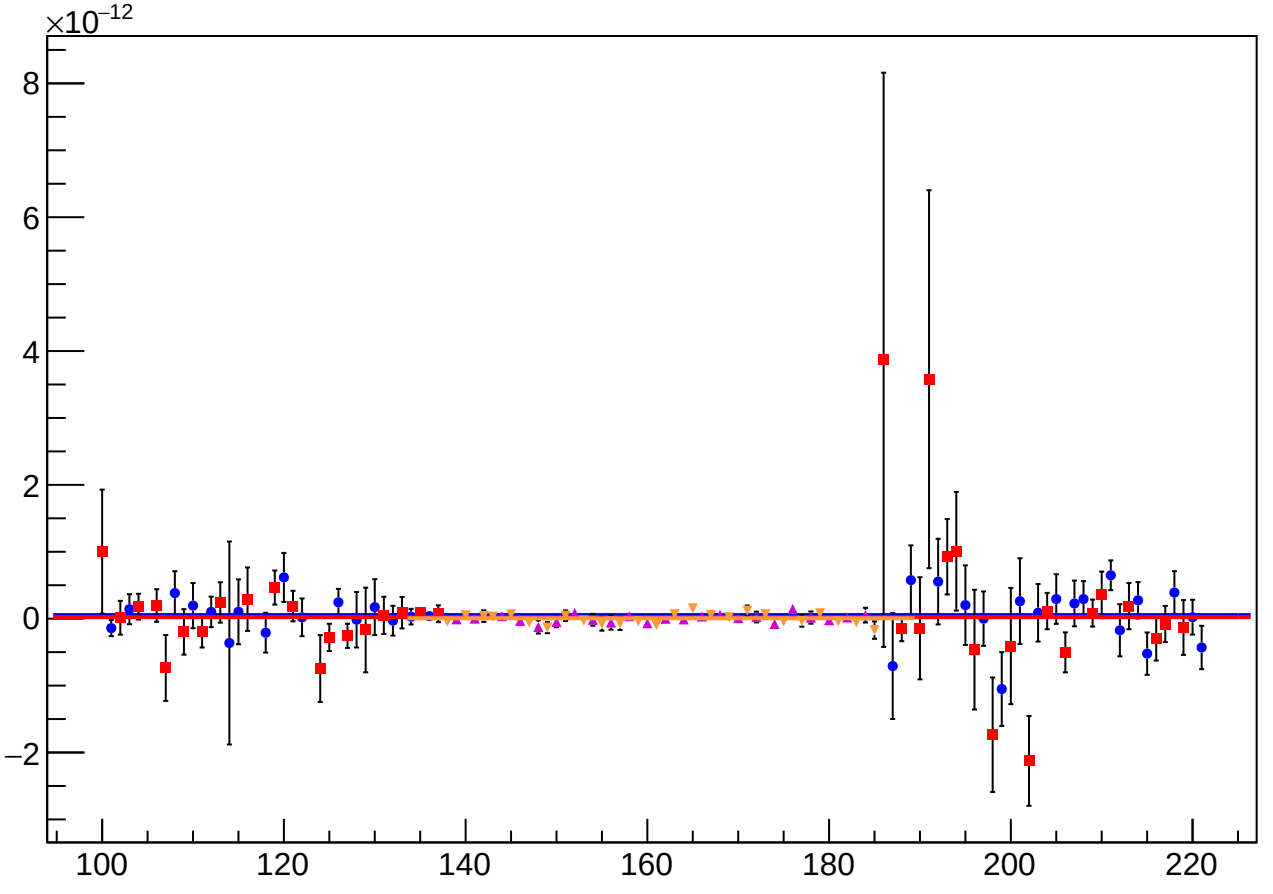
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1828.420+/-0.213 χ^2/NDF: 8914601.8/58

All: 1844.457+/-0.154 χ^2/NDF: 18694865.8/1

- sign 1862.019+/-0.223 χ^2/NDF: 9768415.1/59

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

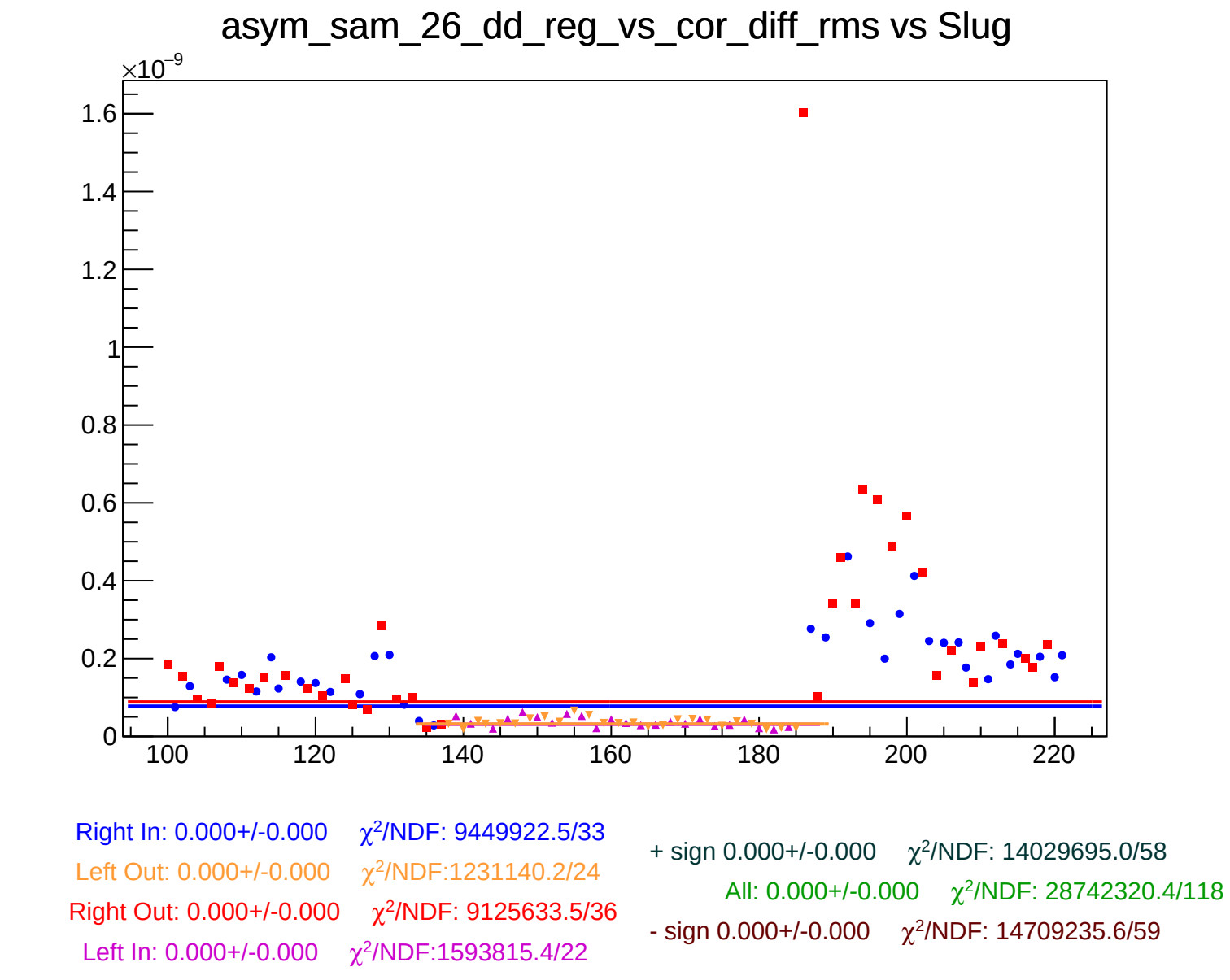
Right Out: 0.000+/-0.000 χ^2/NDF: 46.3/36

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

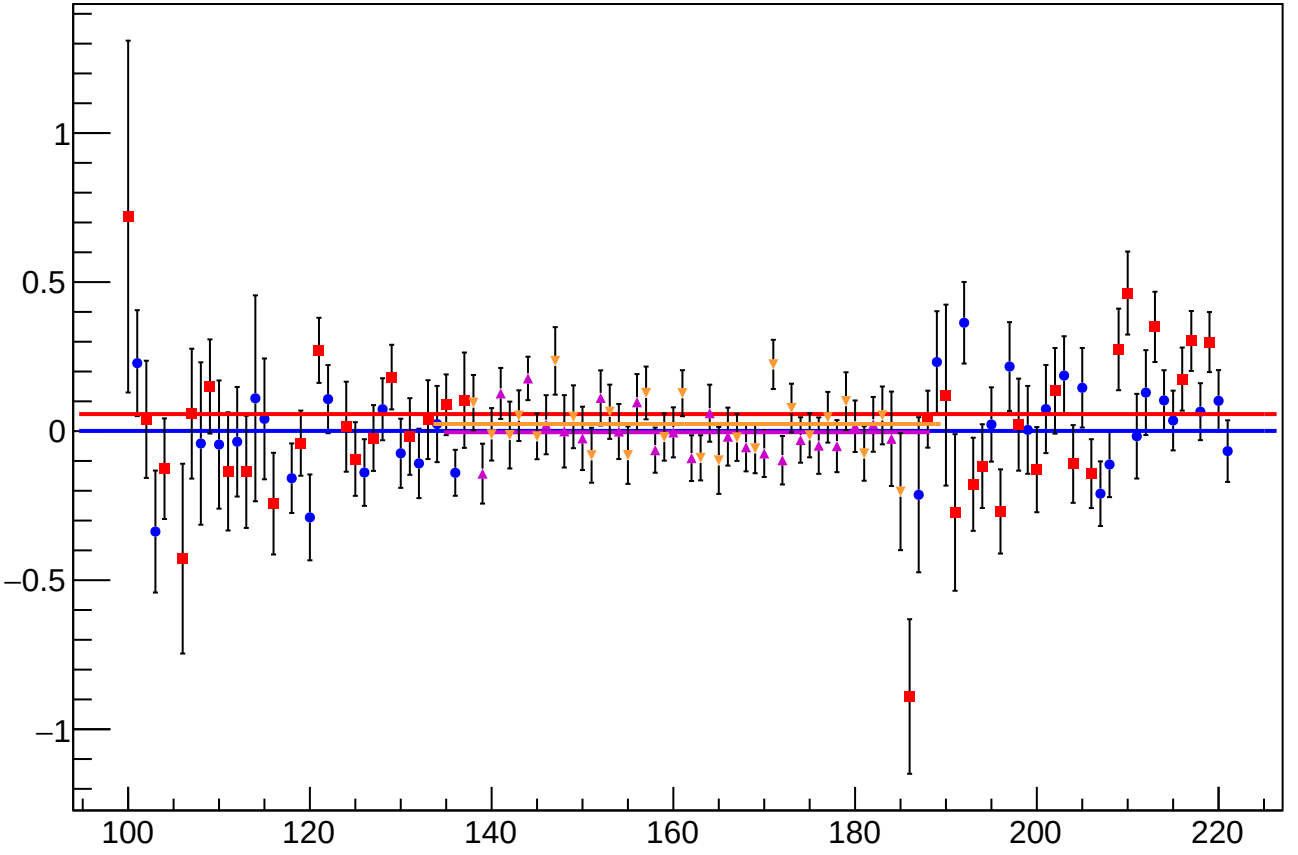
+ sign 0.000+/-0.000 χ^2/NDF: 64.3/58

All: 0.000+/-0.000 χ^2/NDF: 127.7/118

- sign 0.000+/-0.000 χ^2/NDF: 63.4/59


asym_sam_26_dd_reg_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
220
Right In: 0.000+/-0.000 χ²/NDF: 9449922.5/33
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9125633.5/36
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
+ sign 0.000+/-0.000 χ²/NDF: 14029695.0/58
All: 0.000+/-0.000 χ²/NDF: 28742320.4/118
- sign 0.000+/-0.000 χ²/NDF: 14709235.6/59

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

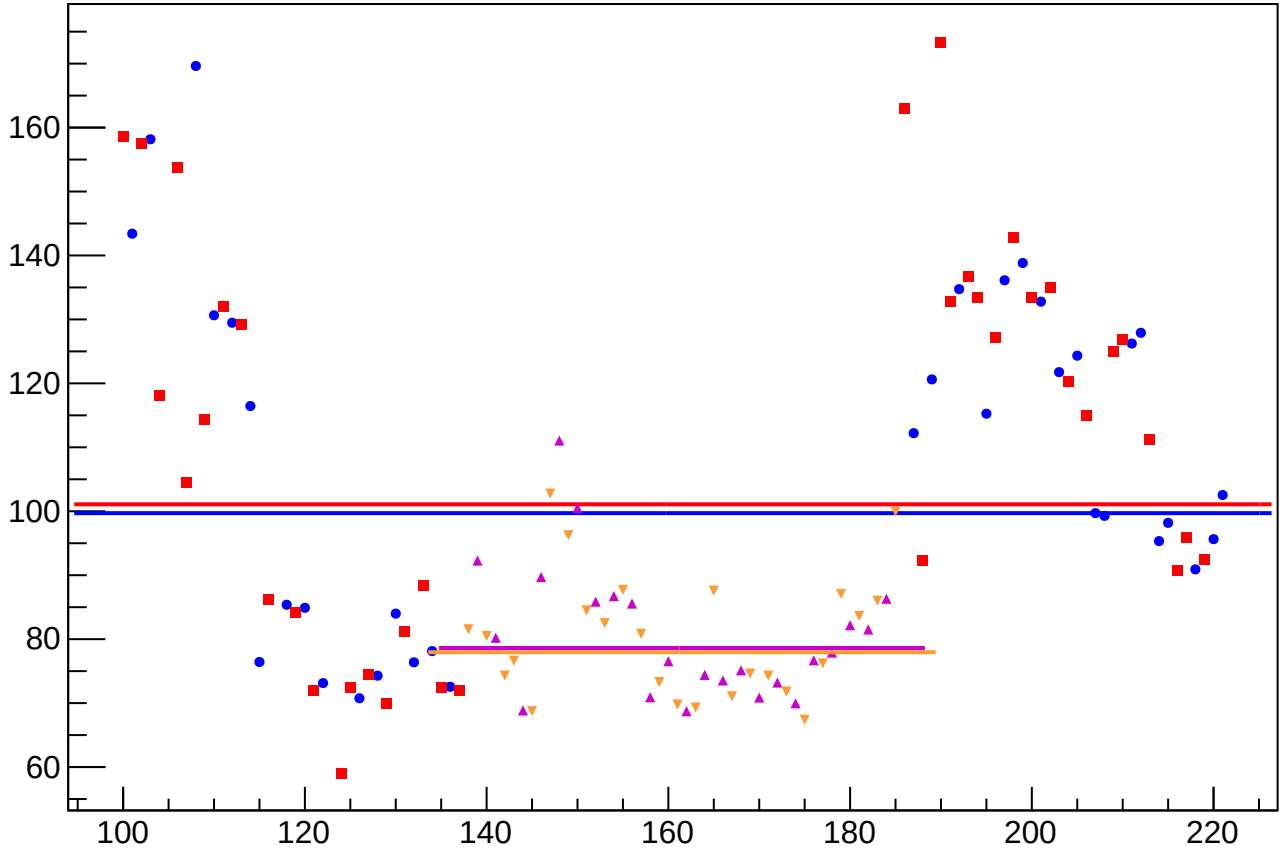
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 171.1/118

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 99.704+/-0.016 χ^2/NDF: 2232061.4/33

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

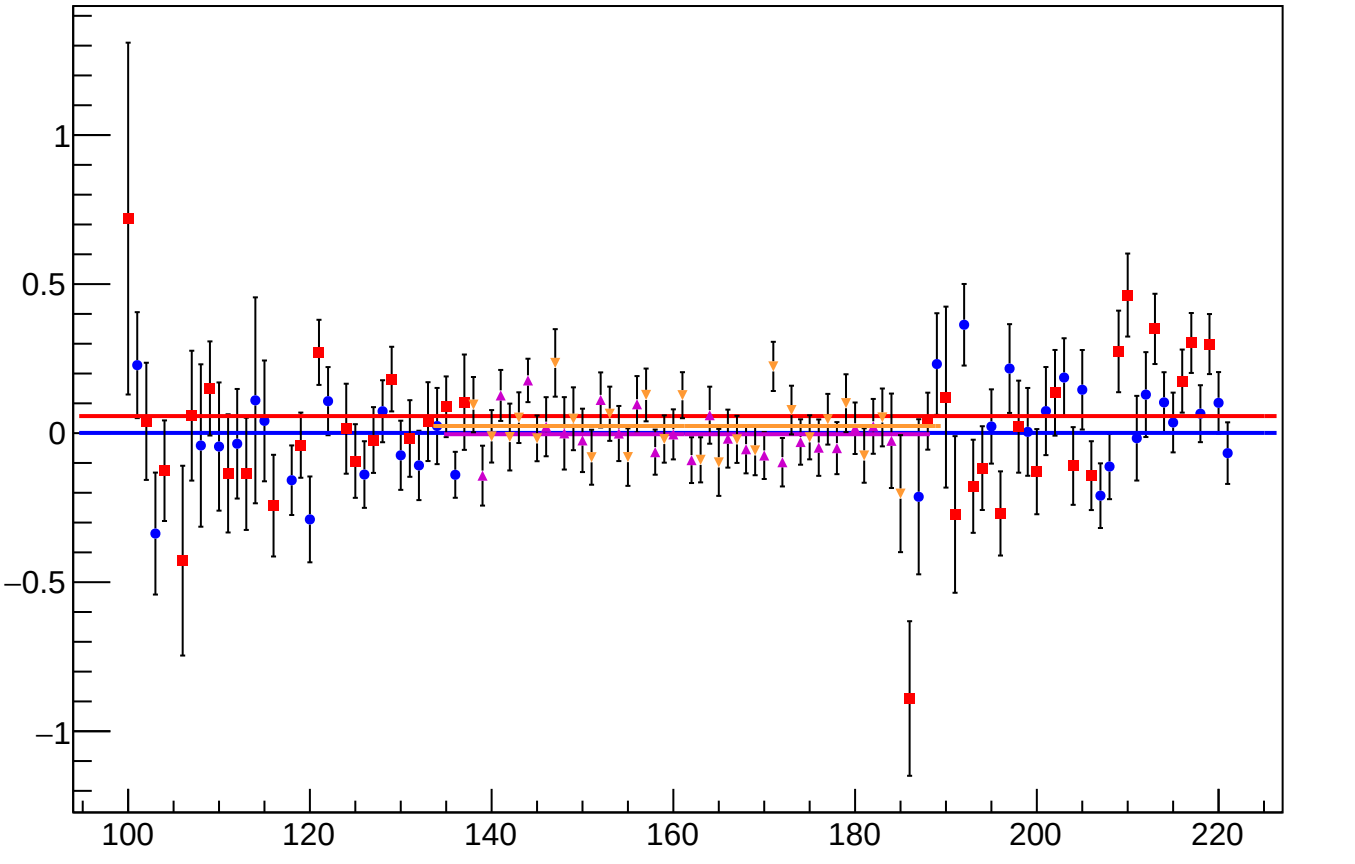
Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.630+/-0.010 χ^2/NDF: 3854831.4/58

All: 87.119+/-0.007 χ^2/NDF: 8108904.6/118

- sign 87.645+/-0.010 χ^2/NDF: 4248898.7/59



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

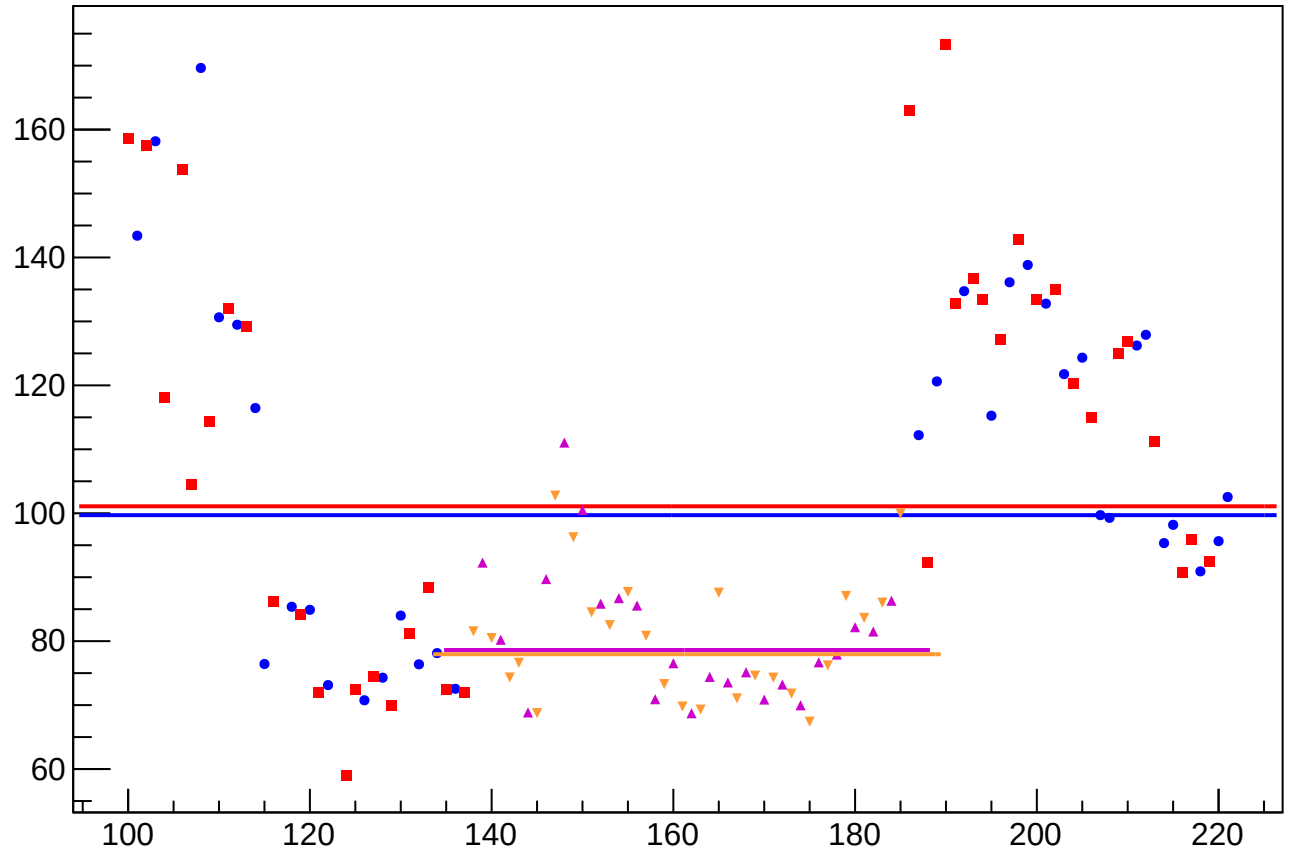
Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 171.1/118

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59



Right In: 99.704+/-0.016 χ^2/NDF: 2232061.4/33

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

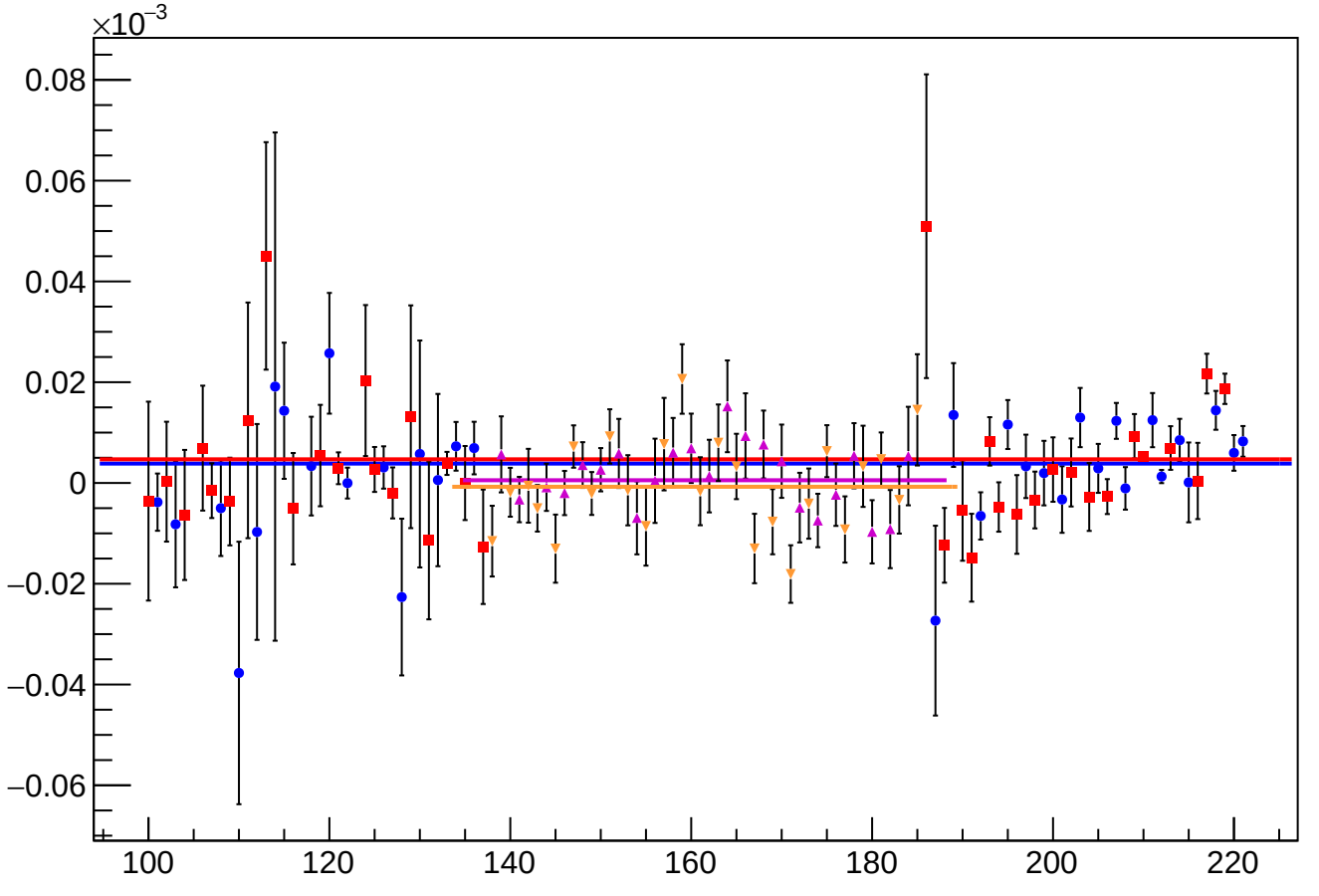
Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.630+/-0.010 χ^2/NDF: 3854831.4/58

All: 87.119+/-0.007 χ^2/NDF: 8108904.6/118

- sign 87.645+/-0.010 χ^2/NDF: 4248898.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 55.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

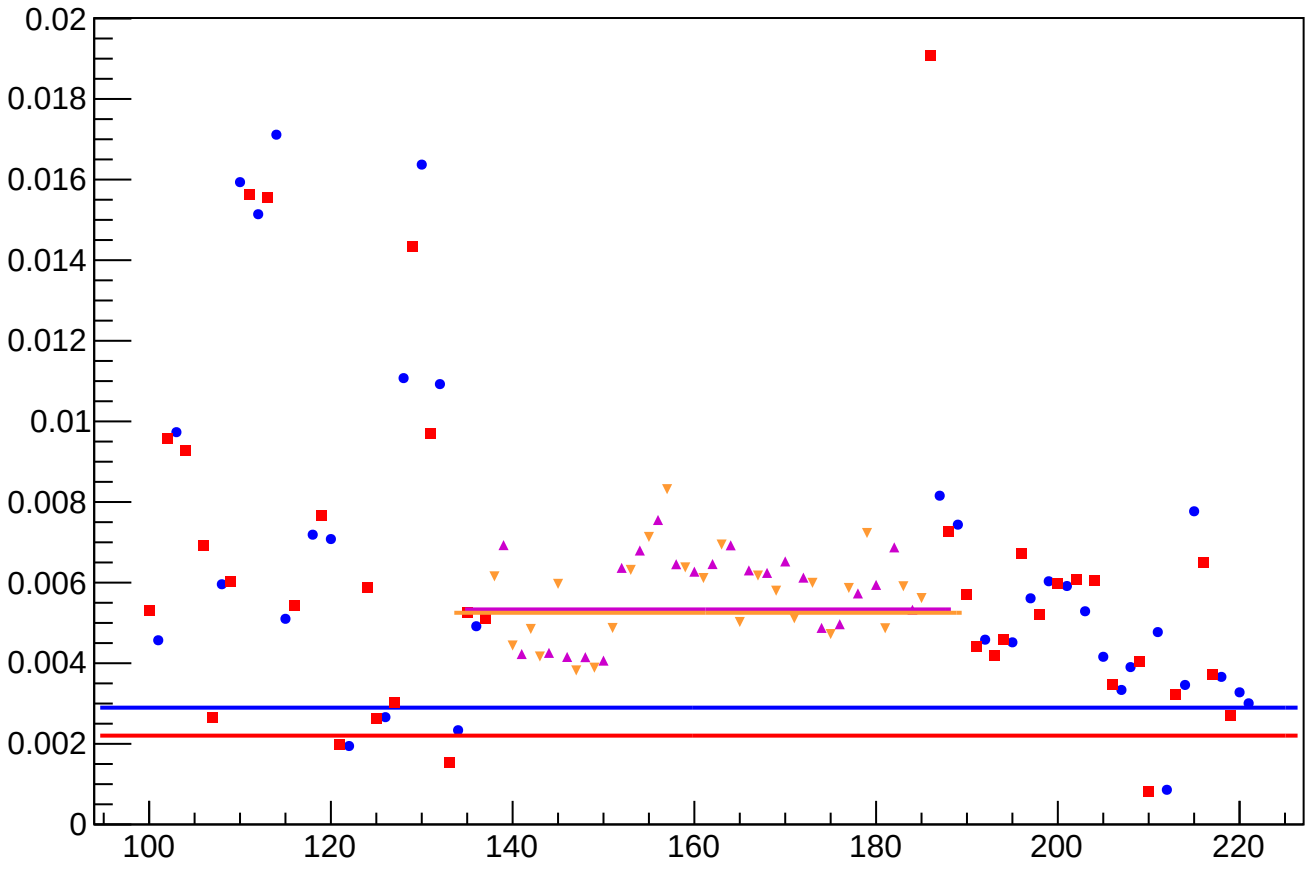
Right Out: 0.000+/-0.000 χ^2/NDF: 85.1/36

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 113.3/58

All: 0.000+/-0.000 χ^2/NDF: 227.5/118

- sign 0.000+/-0.000 χ^2/NDF: 112.0/59



Right In: 0.003+/-0.000 χ^2/NDF: 14094881.0/33

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

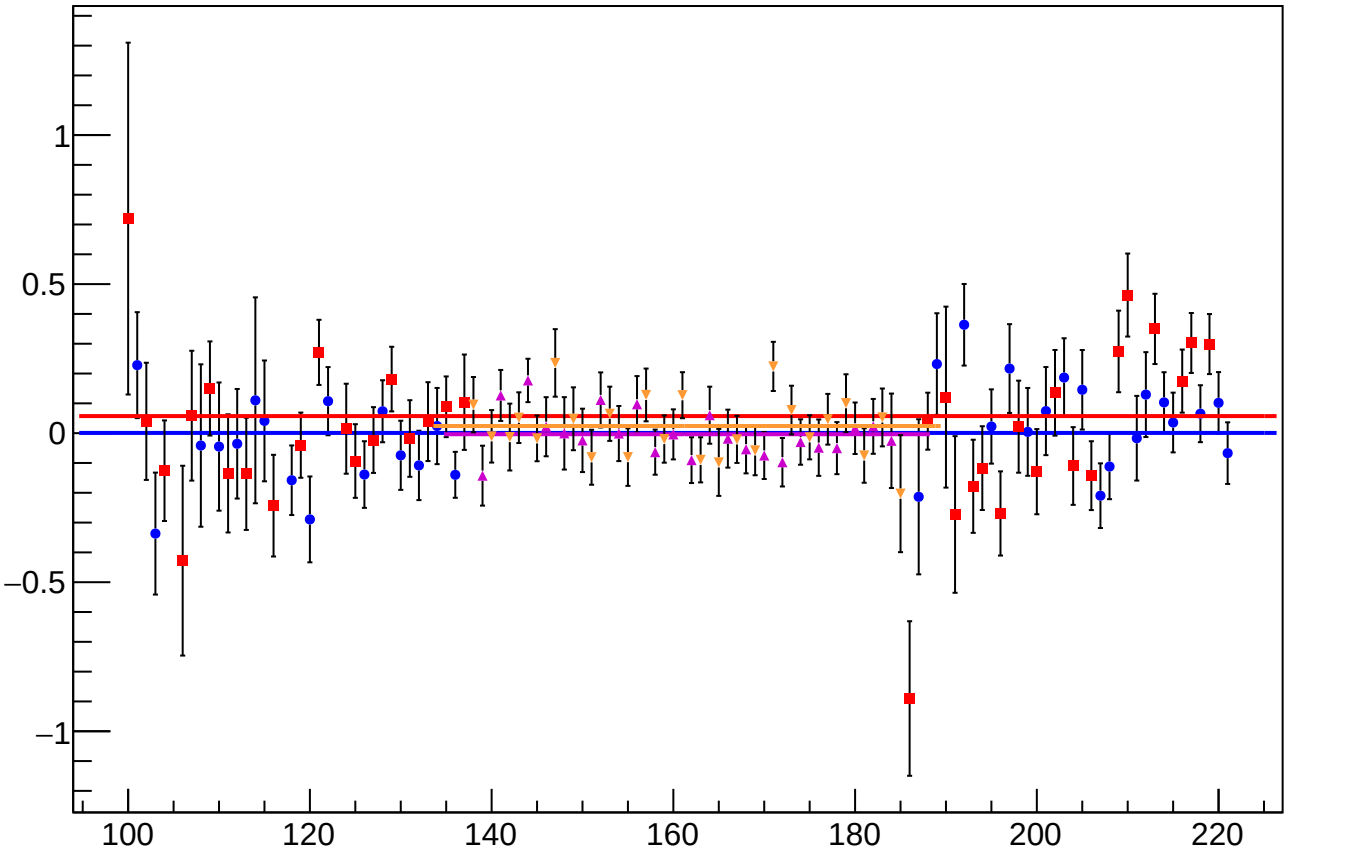
Right Out: 0.002+/-0.000 χ^2/NDF: 18466965.3/36

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 20874760.6/58

All: 0.003+/-0.000 χ^2/NDF: 51658371.2/118

- sign 0.003+/-0.000 χ^2/NDF: 29438244.4/59



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

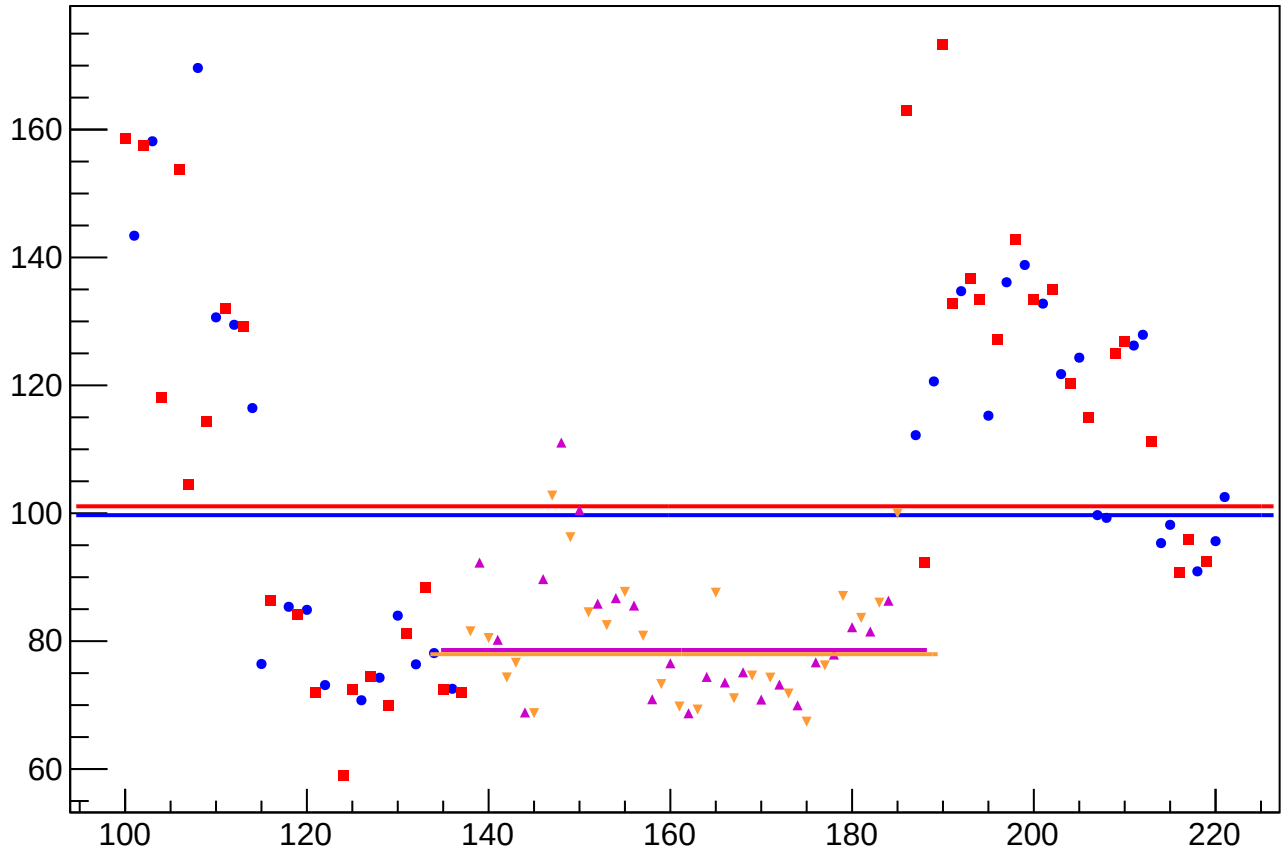
Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 171.1/118

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59



Right In: 99.702+/-0.016 χ^2/NDF: 2232196.6/33

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

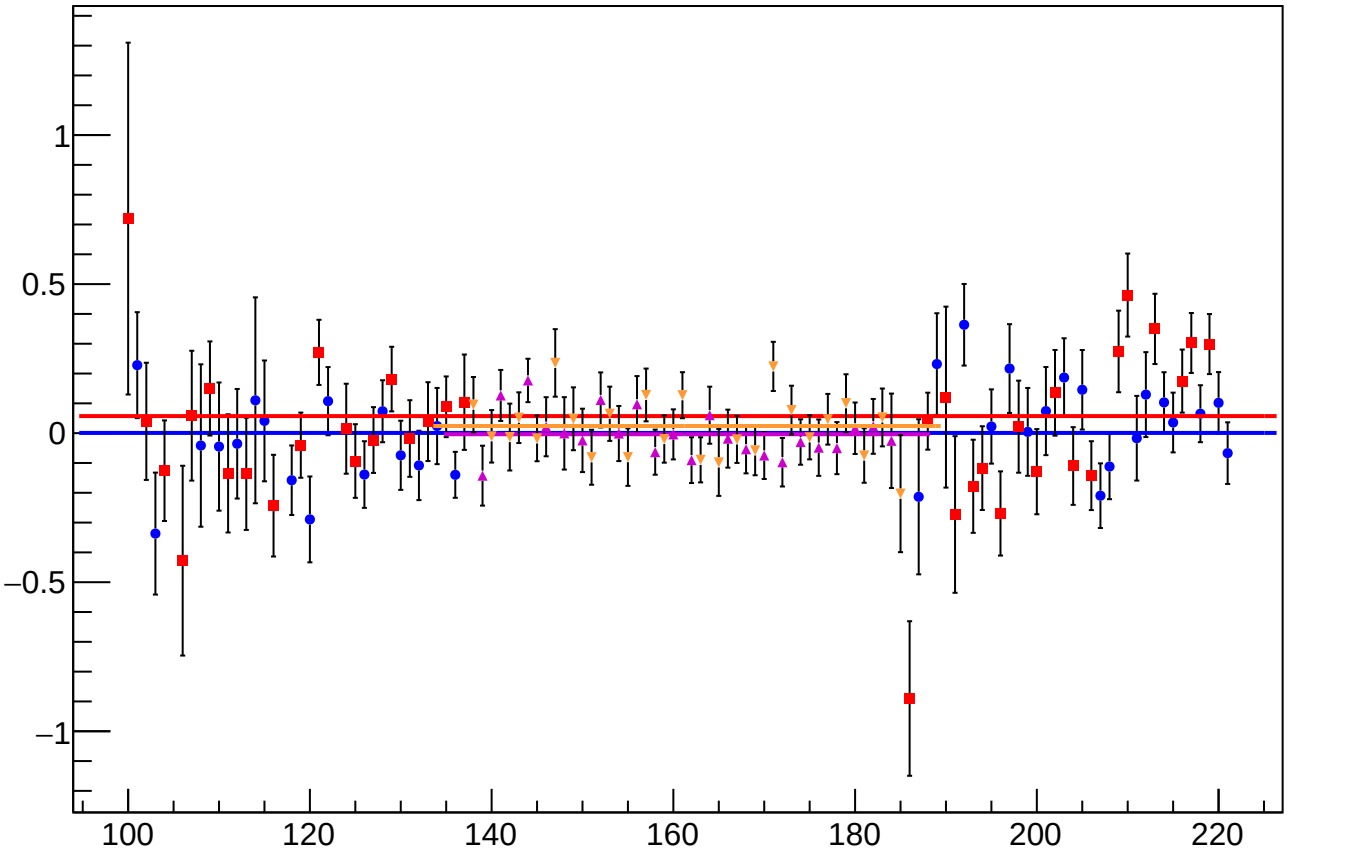
Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.629+/-0.010 χ^2/NDF: 3854898.4/58

All: 87.118+/-0.007 χ^2/NDF: 8109061.6/118

- sign 87.644+/-0.010 χ^2/NDF: 4248990.1/59



Right In: 0.001+/-0.022 χ^2/NDF: 41.8/33

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

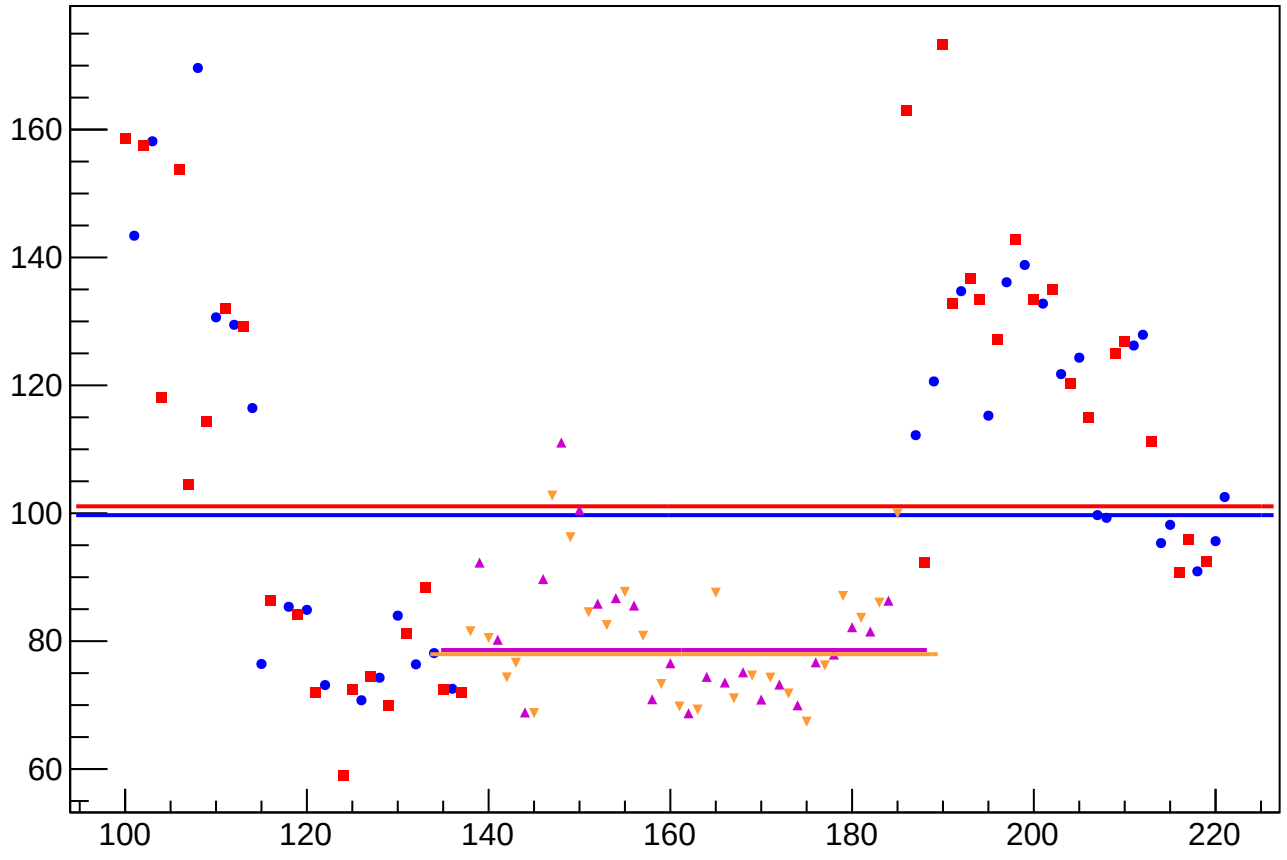
Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.015+/-0.014 χ^2/NDF: 68.0/58

All: 0.018+/-0.010 χ^2/NDF: 171.1/118

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59



Right In: 99.702+/-0.016 χ^2/NDF: 2232196.6/33

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

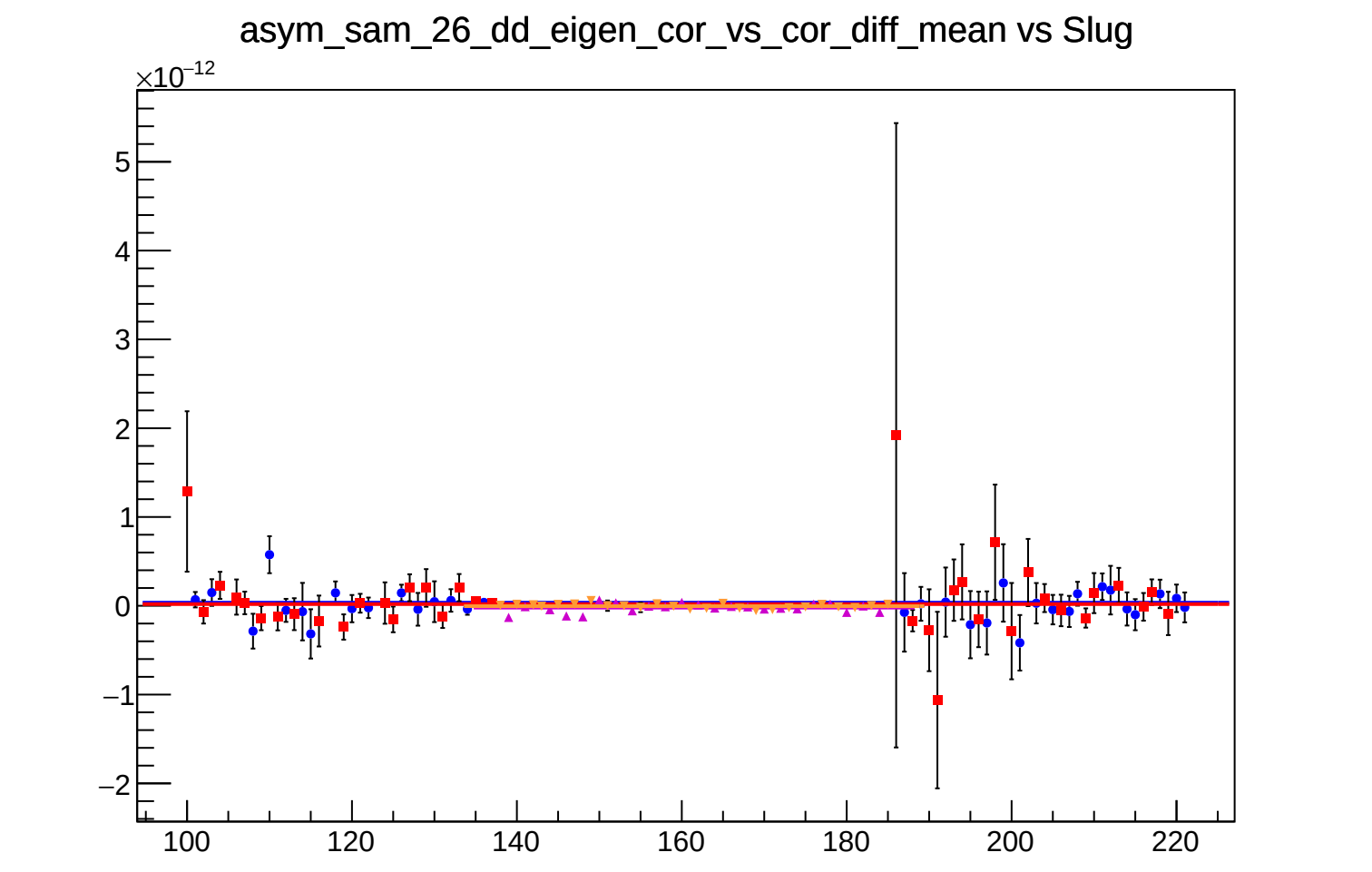
Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

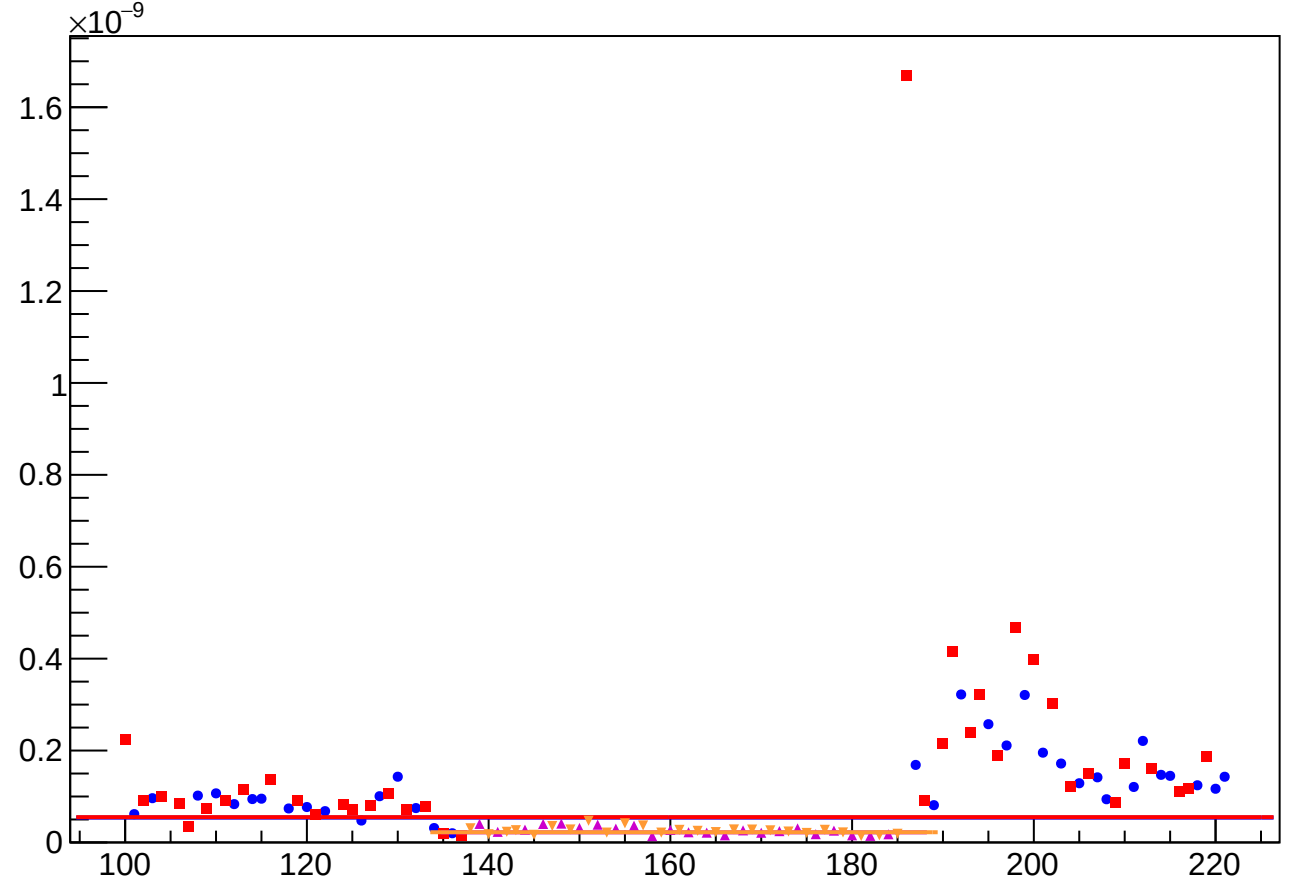
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.629+/-0.010 χ^2/NDF: 3854898.4/58

All: 87.118+/-0.007 χ^2/NDF: 8109061.6/118

- sign 87.644+/-0.010 χ^2/NDF: 4248990.1/59


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 23.7/33
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.4/36
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 40.7/58
All: -0.000+/-0.000 χ²/NDF: 118.7/118
- sign -0.000+/-0.000 χ²/NDF: 74.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 13002023.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13975907.8/36

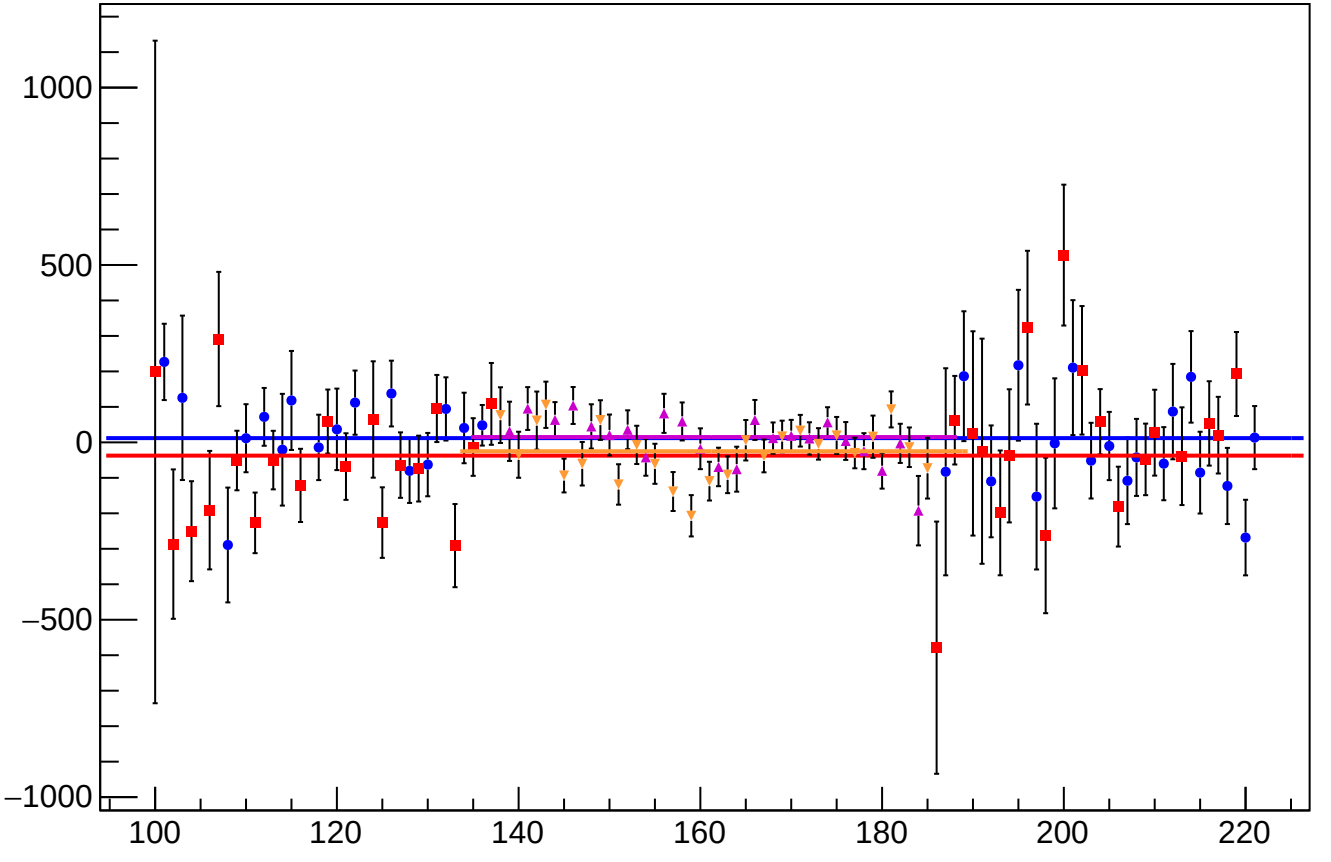
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 20416570.0/58

All: 0.000+/-0.000 χ^2/NDF: 42064747.5/118

- sign 0.000+/-0.000 χ^2/NDF: 21645979.6/59

reg_asym_sam_37_dd_mean vs Slug



Right In: 11.973+/-18.812 χ^2/NDF: 32.8/33

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -37.390+/-19.711 χ^2/NDF: 52.3/36

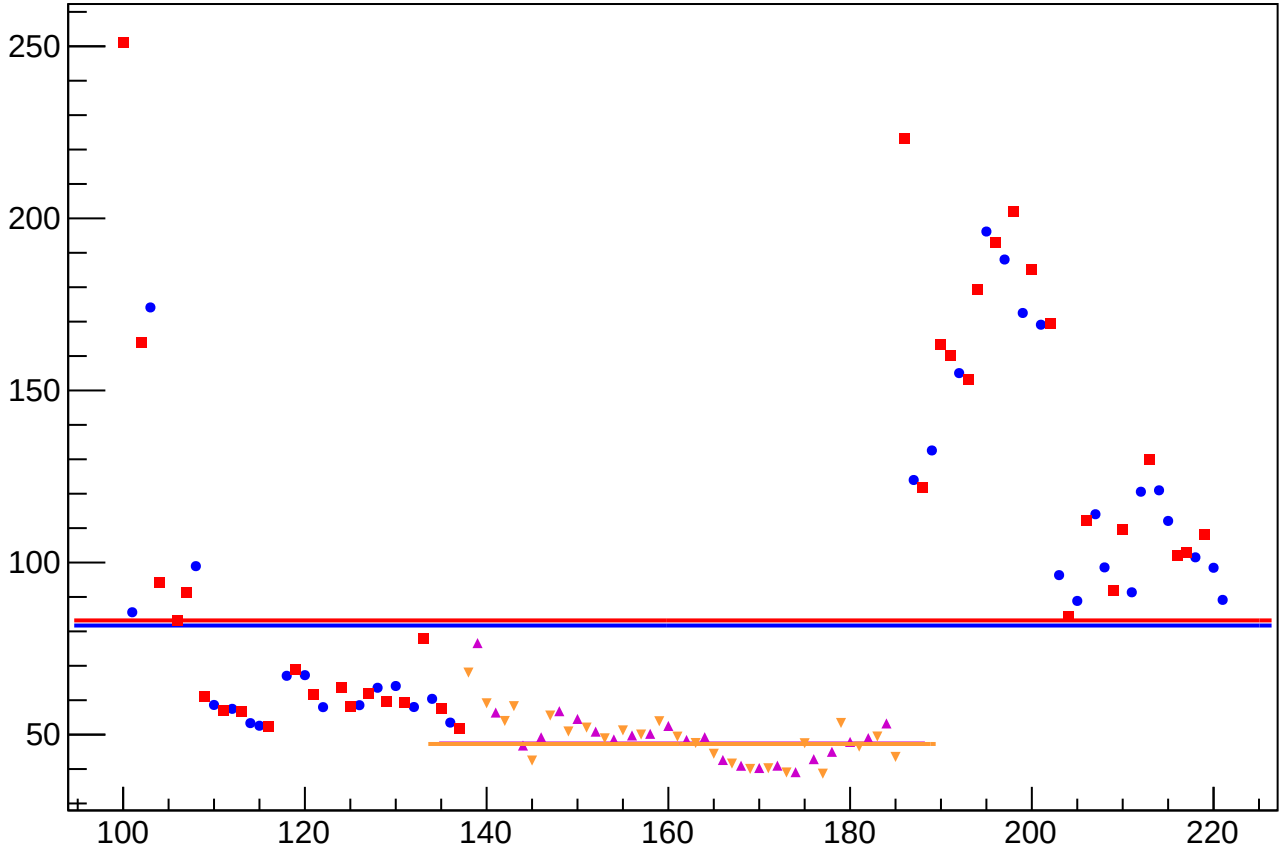
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -15.714+/-9.423 χ^2/NDF: 78.8/58

All: -7.073+/-6.776 χ^2/NDF: 162.9/118

- sign 2.178+/-9.750 χ^2/NDF: 82.3/59

reg_asym_sam_37_dd_rms vs Slug



Right In: 81.699+/-0.013 χ^2/NDF: 5546113.9/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

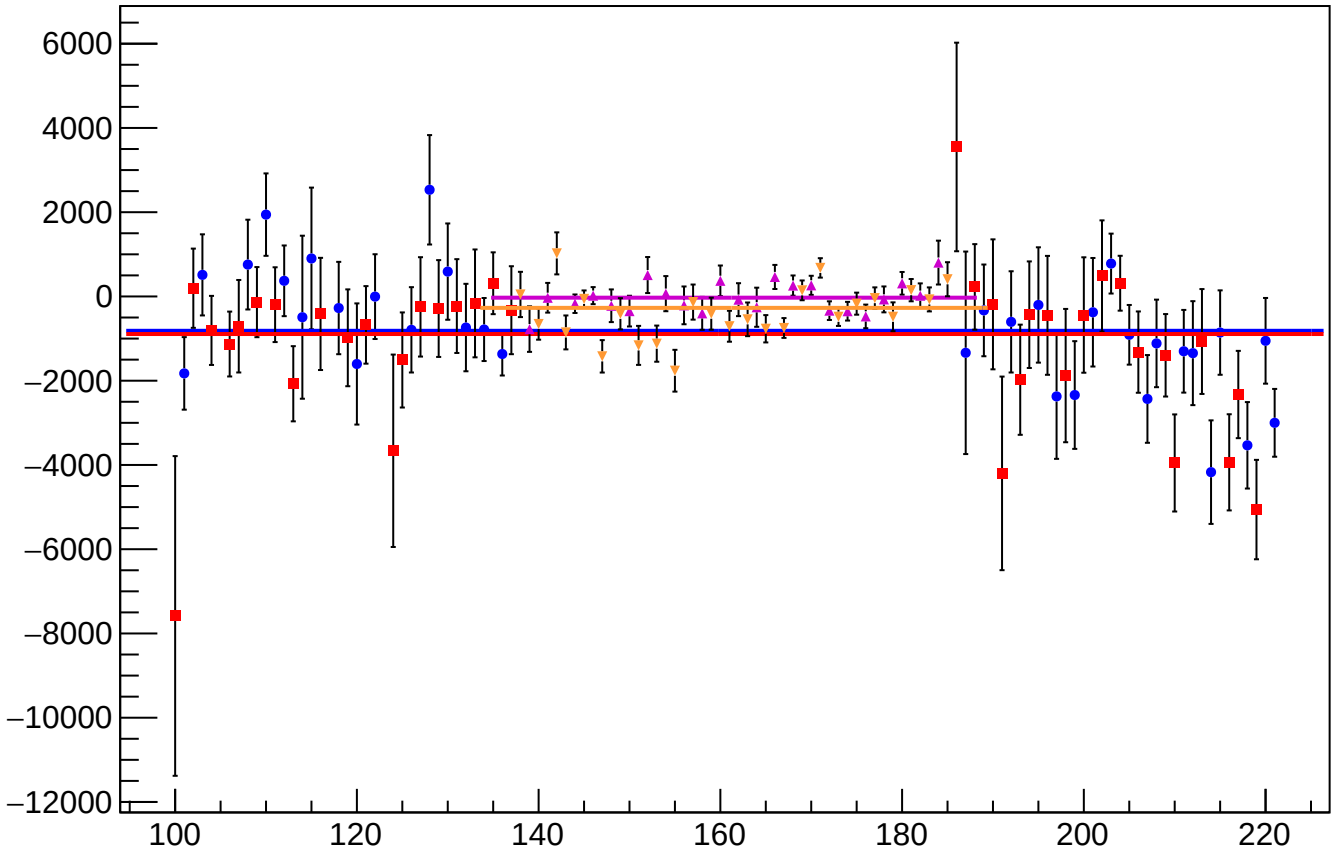
Right Out: 83.185+/-0.014 χ^2/NDF: 6483406.5/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.919+/-0.007 χ^2/NDF: 11277391.8/58

All: 56.042+/-0.005 χ^2/NDF: 23389529.0/118

- sign 56.174+/-0.007 χ^2/NDF: 12111428.2/59



Right In: -815.480+/-171.176 χ^2/NDF: 60.0/33

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -891.850+/-177.972 χ^2/NDF: 55.7/36

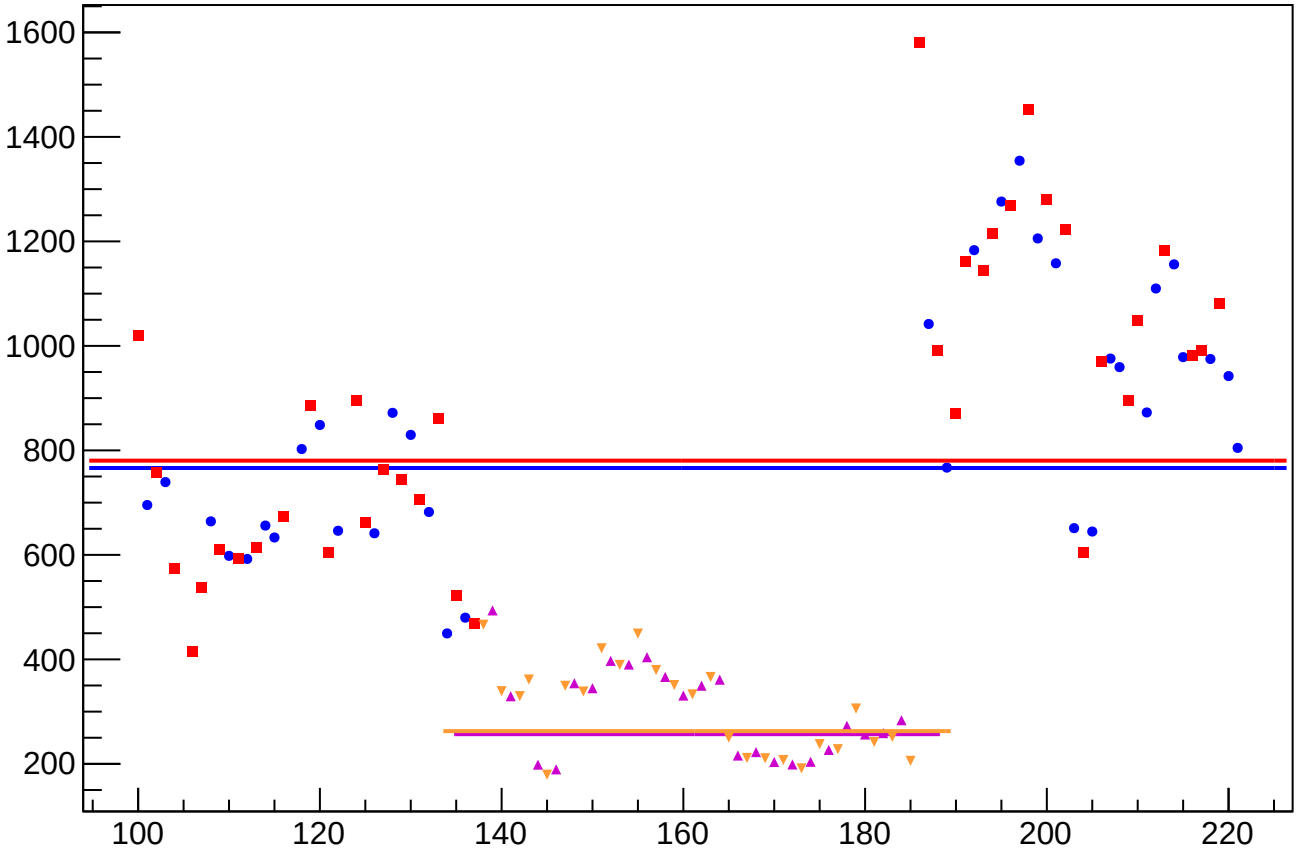
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -334.797+/-58.581 χ^2/NDF: 142.8/58

All: -230.533+/-41.610 χ^2/NDF: 250.2/118

- sign -124.368+/-59.113 χ^2/NDF: 101.0/59

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 766.303+/-0.121 χ^2/NDF: 3444250.7/33

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 780.352+/-0.126 χ^2/NDF: 4184974.1/36

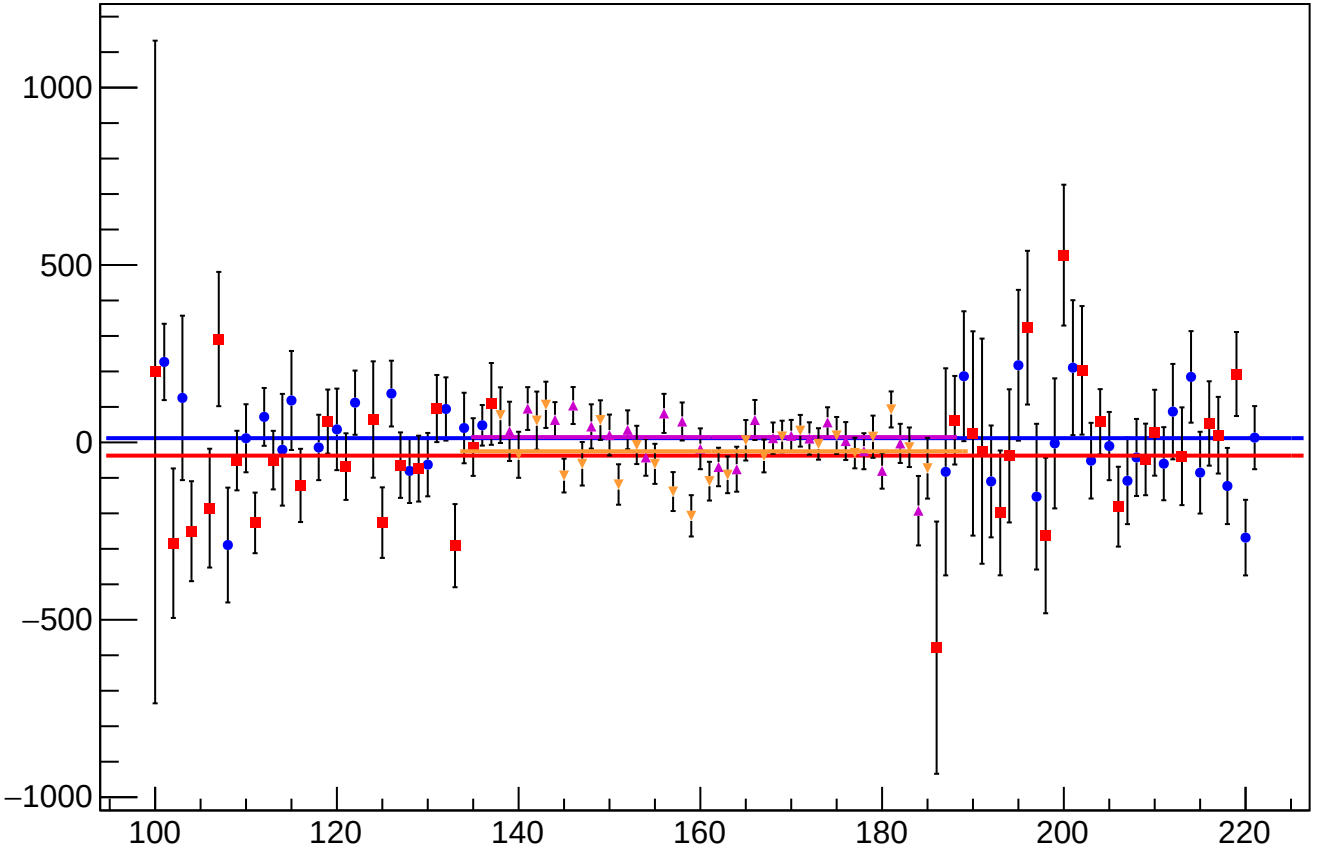
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 321.663+/-0.041 χ^2/NDF: 21622280.6/58

All: 318.162+/-0.029 χ^2/NDF: 43856914.6/11

- sign 314.596+/-0.042 χ^2/NDF: 22220211.9/59

cor_asym_sam_37_dd_mean vs Slug



Right In: 11.967+/-18.812 χ^2/NDF: 32.8/33

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -37.271+/-19.712 χ^2/NDF: 52.2/36

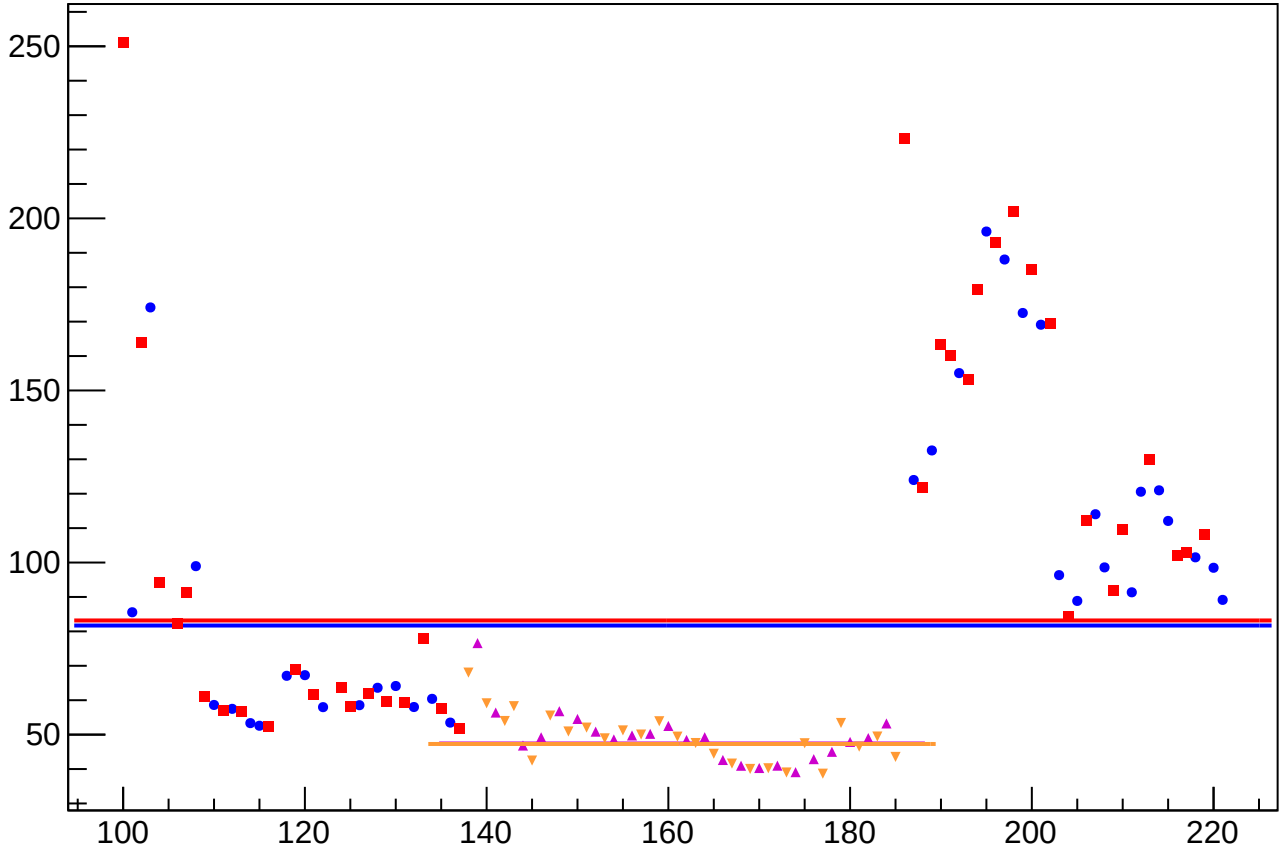
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -15.713+/-9.423 χ^2/NDF: 78.8/58

All: -7.058+/-6.776 χ^2/NDF: 162.8/118

- sign 2.206+/-9.750 χ^2/NDF: 82.2/59

cor_asym_sam_37_dd_rms vs Slug



Right In: 81.699+/-0.013 χ^2/NDF: 5546116.3/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

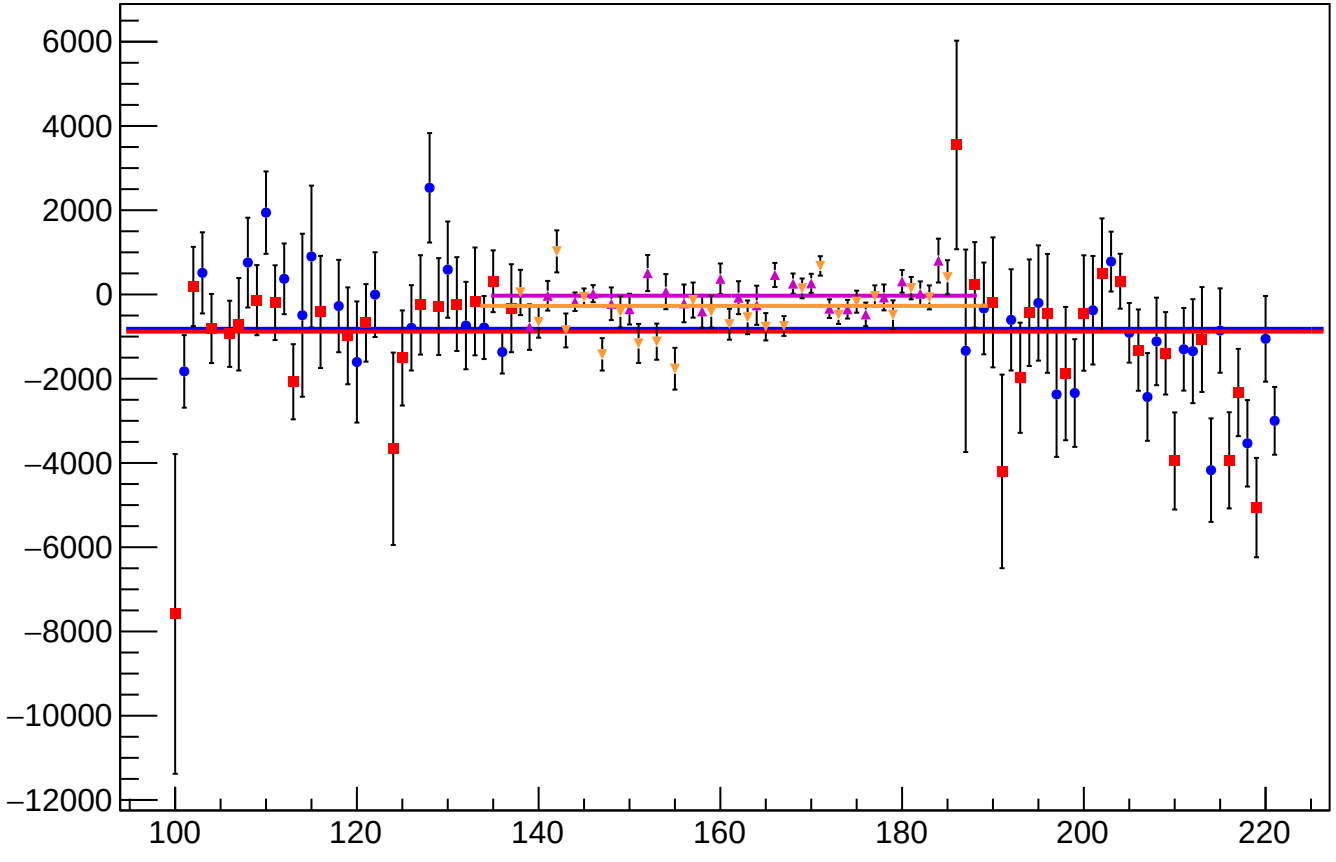
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.919+/-0.007 χ^2/NDF: 11277393.5/58

All: 56.040+/-0.005 χ^2/NDF: 23385521.0/118

- sign 56.170+/-0.007 χ^2/NDF: 12107440.5/59

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -815.483+/-171.177 χ^2/NDF: 60.0/33

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -881.676+/-178.165 χ^2/NDF: 55.6/36

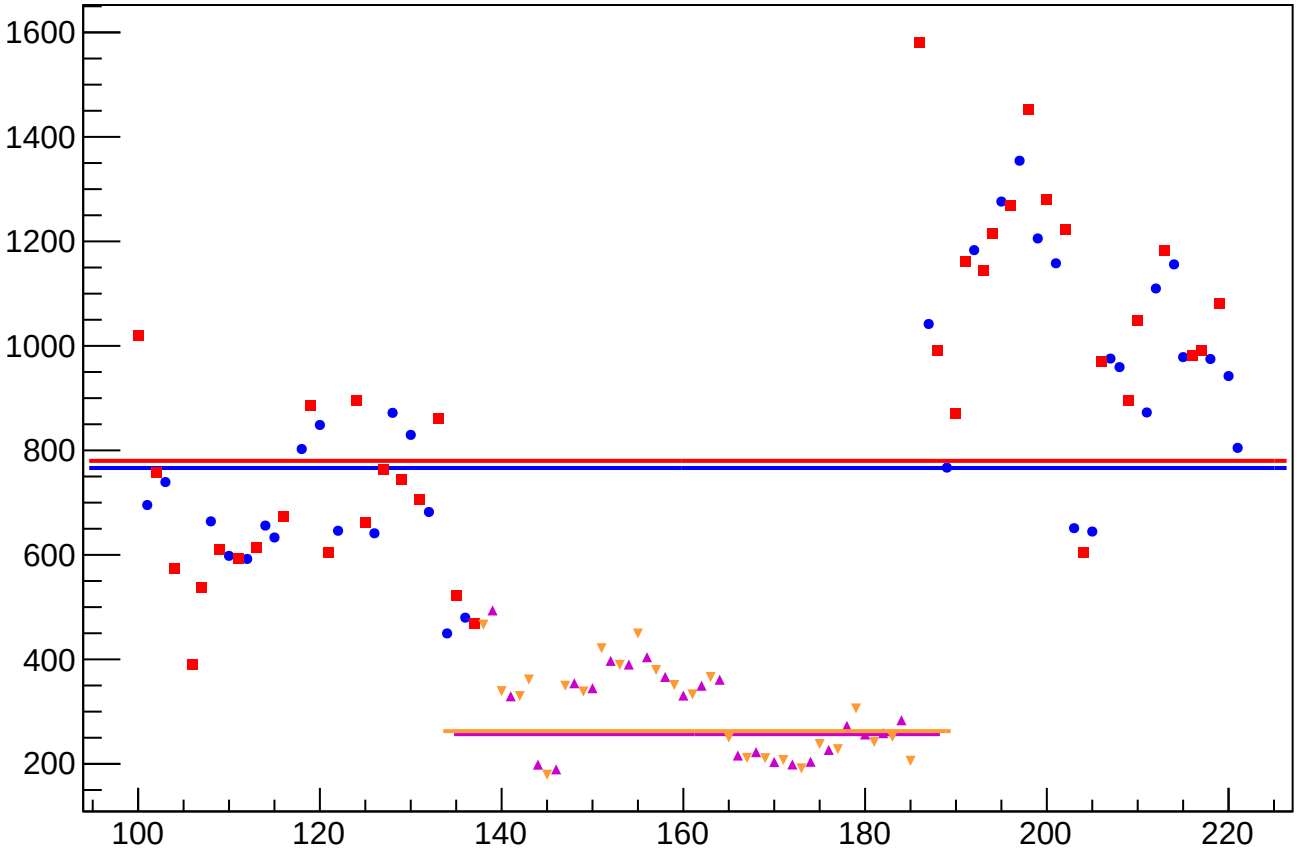
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -334.793+/-58.581 χ^2/NDF: 142.8/58

All: -229.898+/-41.612 χ^2/NDF: 249.6/118

- sign -123.067+/-59.120 χ^2/NDF: 100.3/59

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 766.306+/-0.121 χ^2/NDF: 3444242.2/33

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

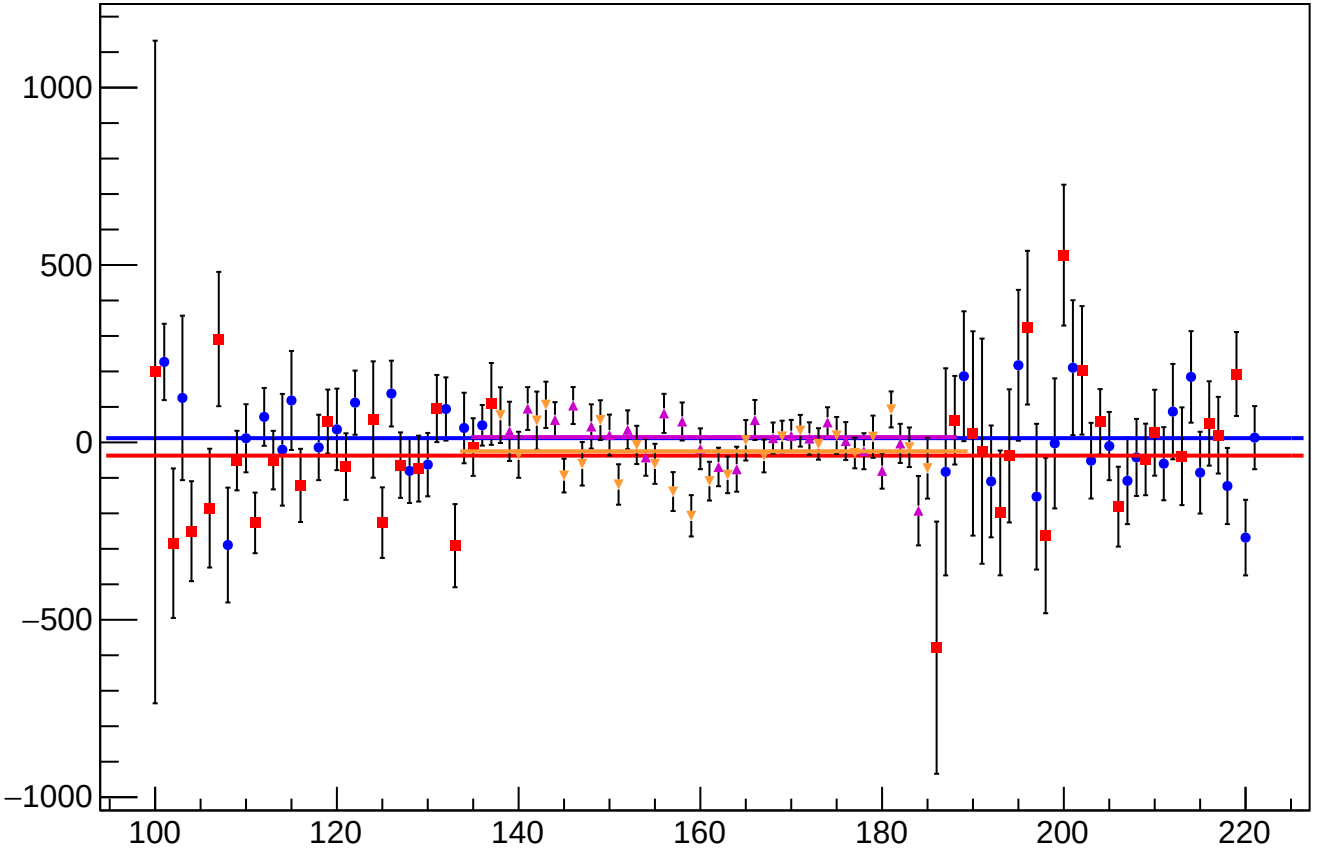
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 321.663+/-0.041 χ^2/NDF: 21622344.8/58

All: 318.085+/-0.029 χ^2/NDF: 43843473.8/11

- sign 314.440+/-0.042 χ^2/NDF: 22206064.1/59

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 11.967+/-18.812 χ^2/NDF: 32.8/33

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -37.271+/-19.712 χ^2/NDF: 52.2/36

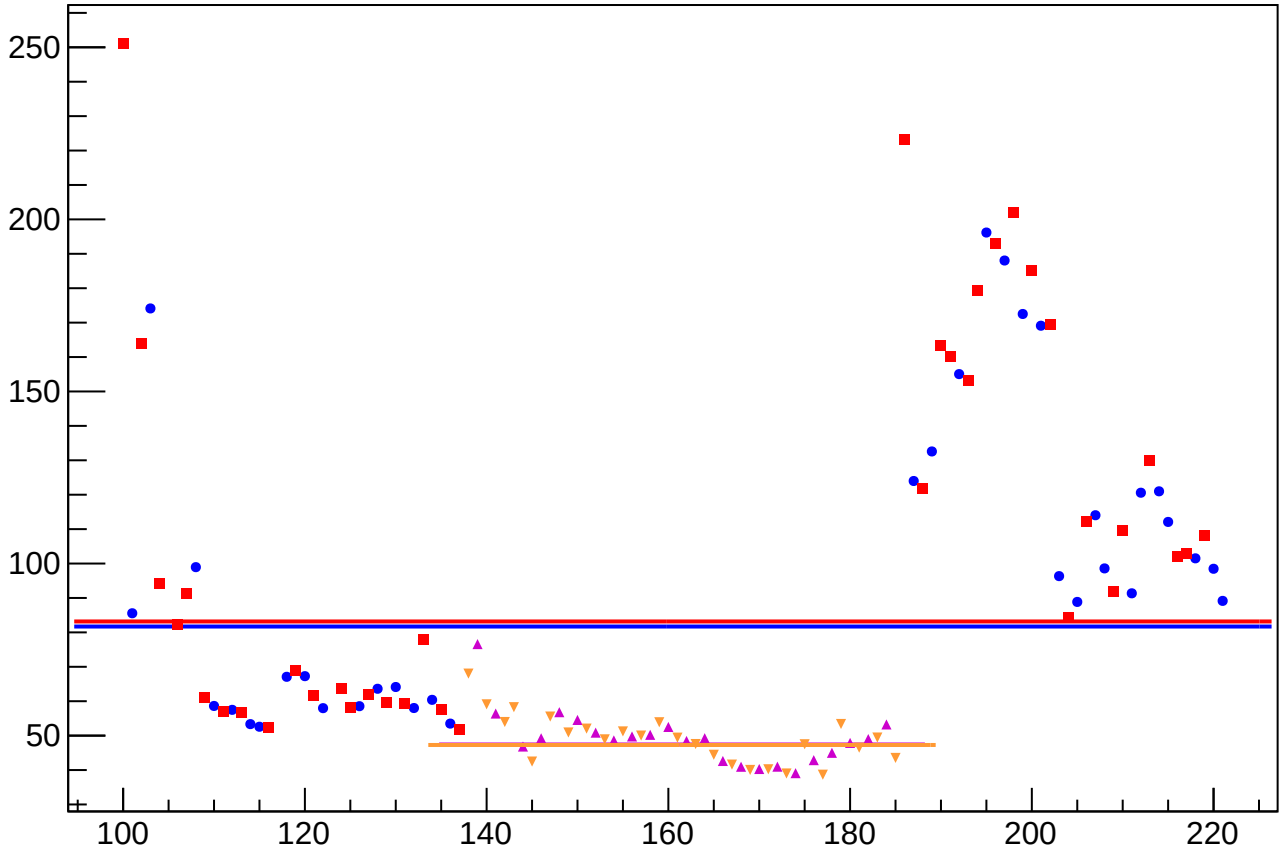
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -15.713+/-9.423 χ^2/NDF: 78.8/58

All: -7.058+/-6.776 χ^2/NDF: 162.8/118

- sign 2.206+/-9.750 χ^2/NDF: 82.2/59

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 81.699+/-0.013 χ^2/NDF: 5546116.3/33

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

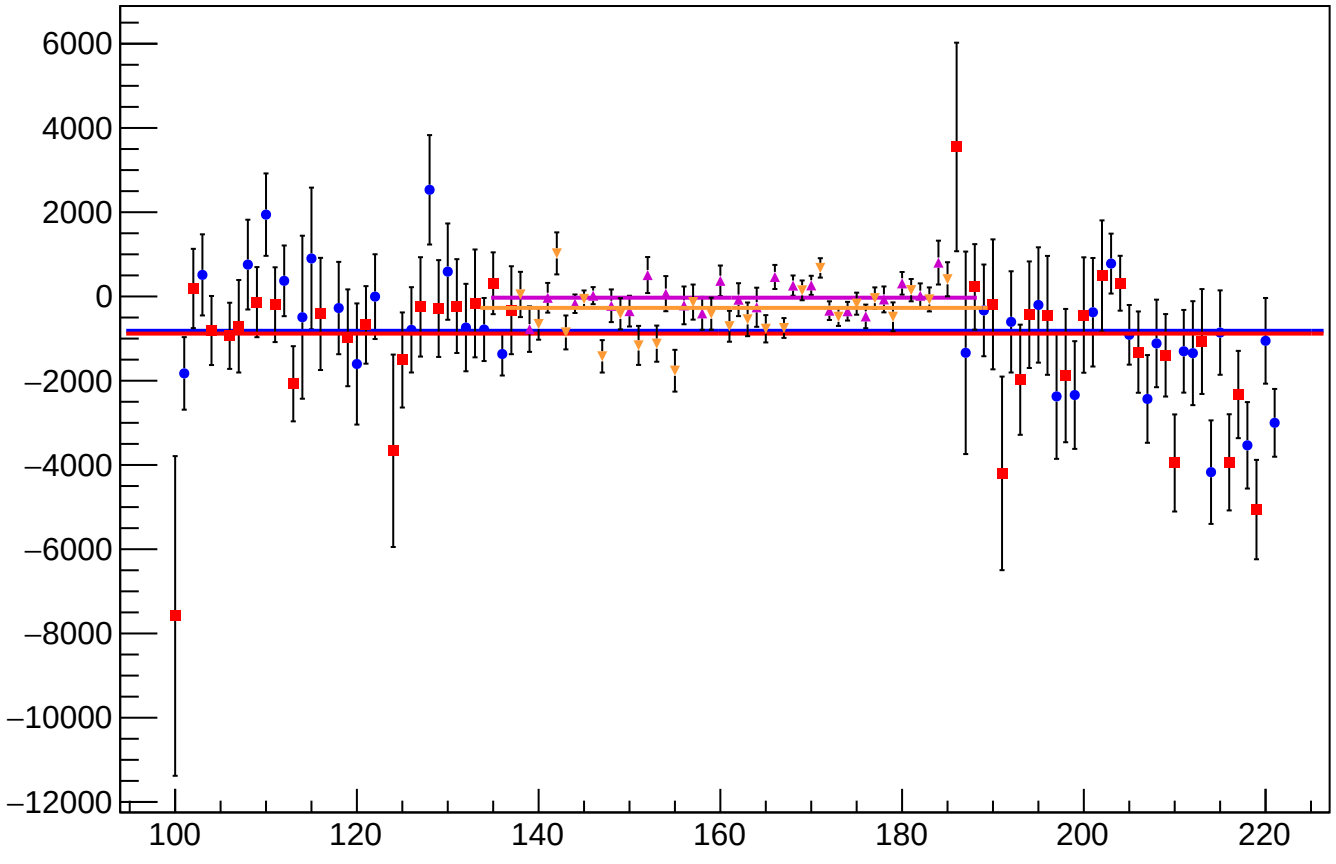
Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.919+/-0.007 χ^2/NDF: 11277393.5/58

All: 56.040+/-0.005 χ^2/NDF: 23385521.0/118

- sign 56.170+/-0.007 χ^2/NDF: 12107440.5/59



Right In: -815.483+/-171.177 χ^2/NDF: 60.0/33

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

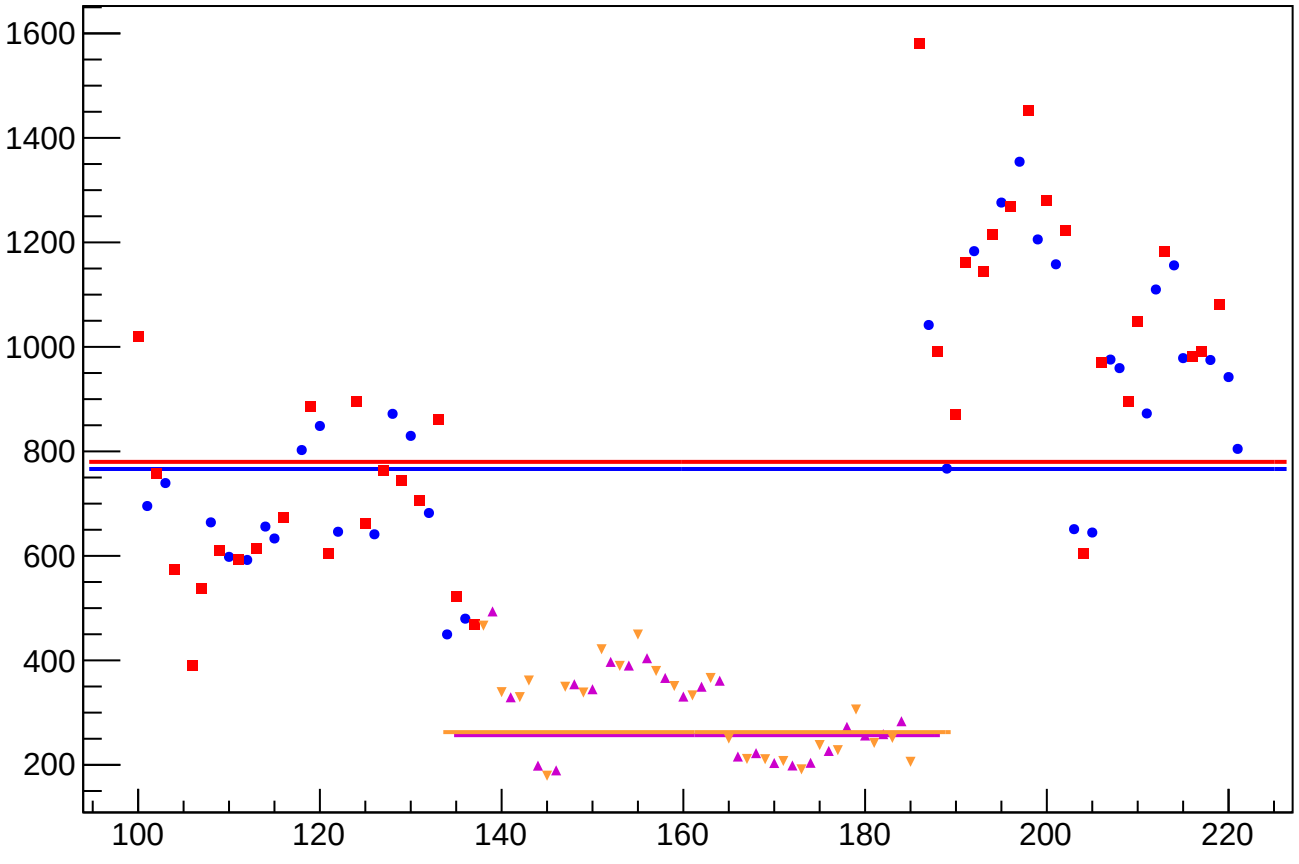
Right Out: -881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -334.793+/-58.581 χ^2/NDF: 142.8/58

All: -229.898+/-41.612 χ^2/NDF: 249.6/118

- sign -123.067+/-59.120 χ^2/NDF: 100.3/59



Right In: 766.306+/-0.121 χ^2/NDF: 3444242.2/33

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

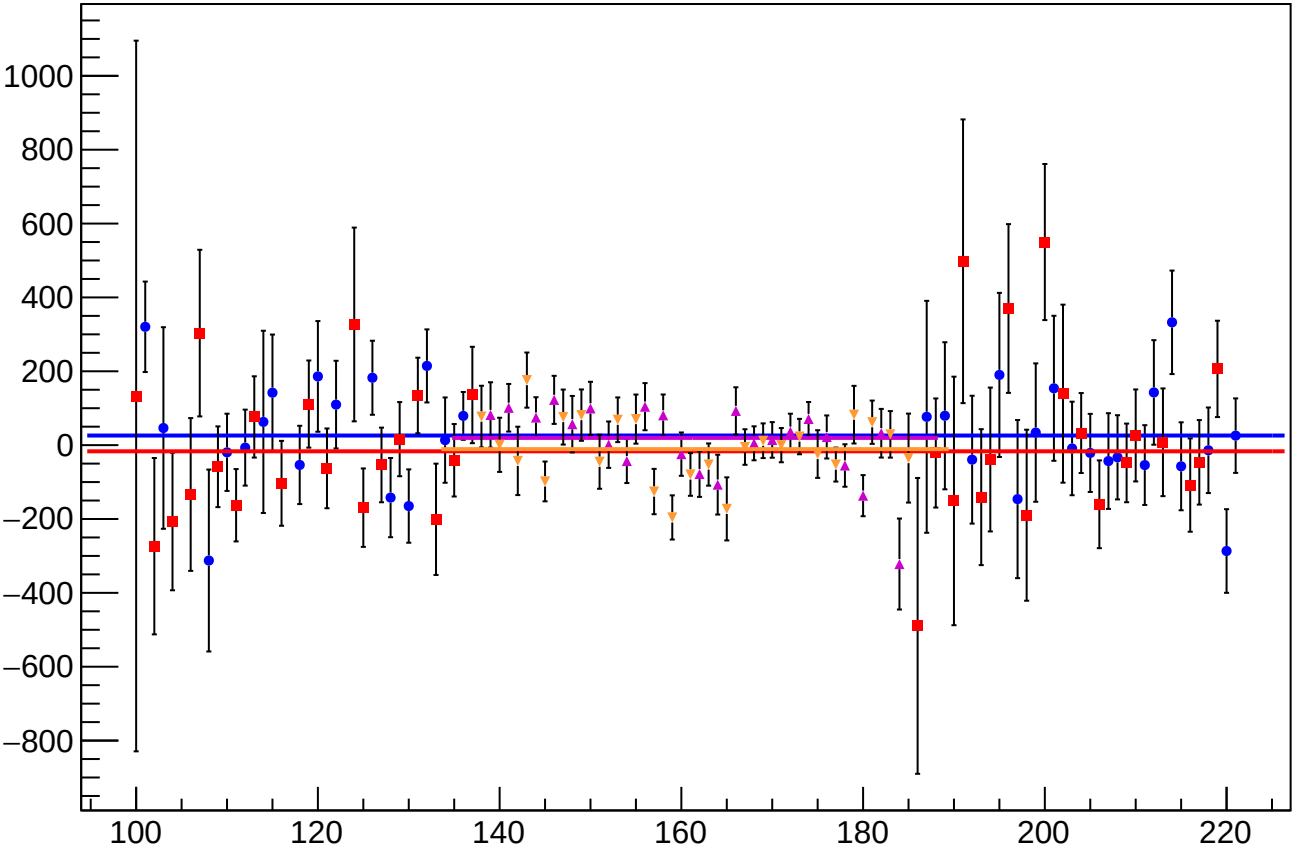
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 321.663+/-0.041 χ^2/NDF: 21622344.8/58

All: 318.085+/-0.029 χ^2/NDF: 43843473.8/11

- sign 314.440+/-0.042 χ^2/NDF: 22206064.1/59

dit_asym_sam_37_dd_mean vs Slug



Right In: 26.032+/-21.278 χ^2/NDF: 40.6/33

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -16.699+/-22.640 χ^2/NDF: 39.0/36

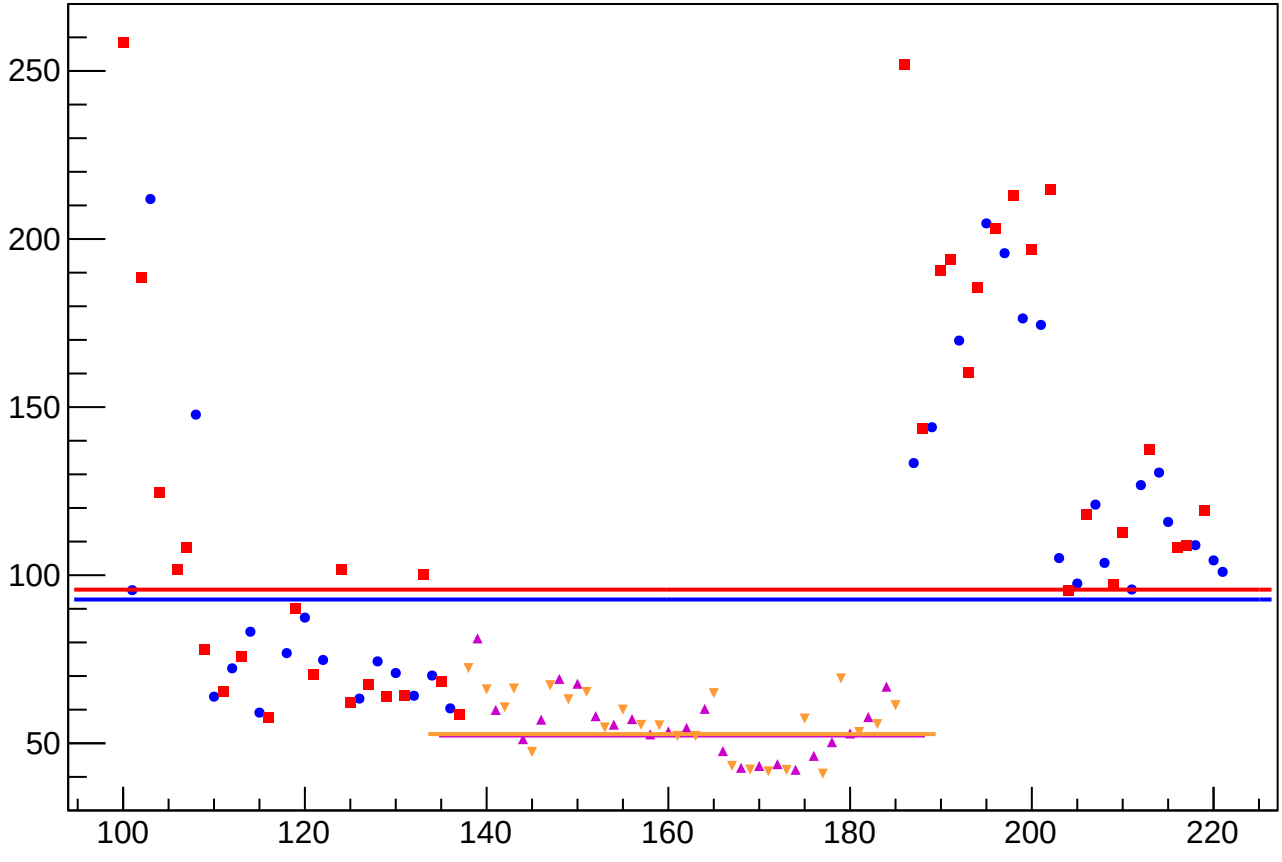
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.586+/-10.653 χ^2/NDF: 83.2/58

All: 4.554+/-7.644 χ^2/NDF: 161.6/118

- sign 11.070+/-10.974 χ^2/NDF: 77.7/59

dit_asym_sam_37_dd_rms vs Slug



Right In: 92.766+/-0.015 χ^2/NDF: 4798481.0/33

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 95.707+/-0.016 χ^2/NDF: 5892279.3/36

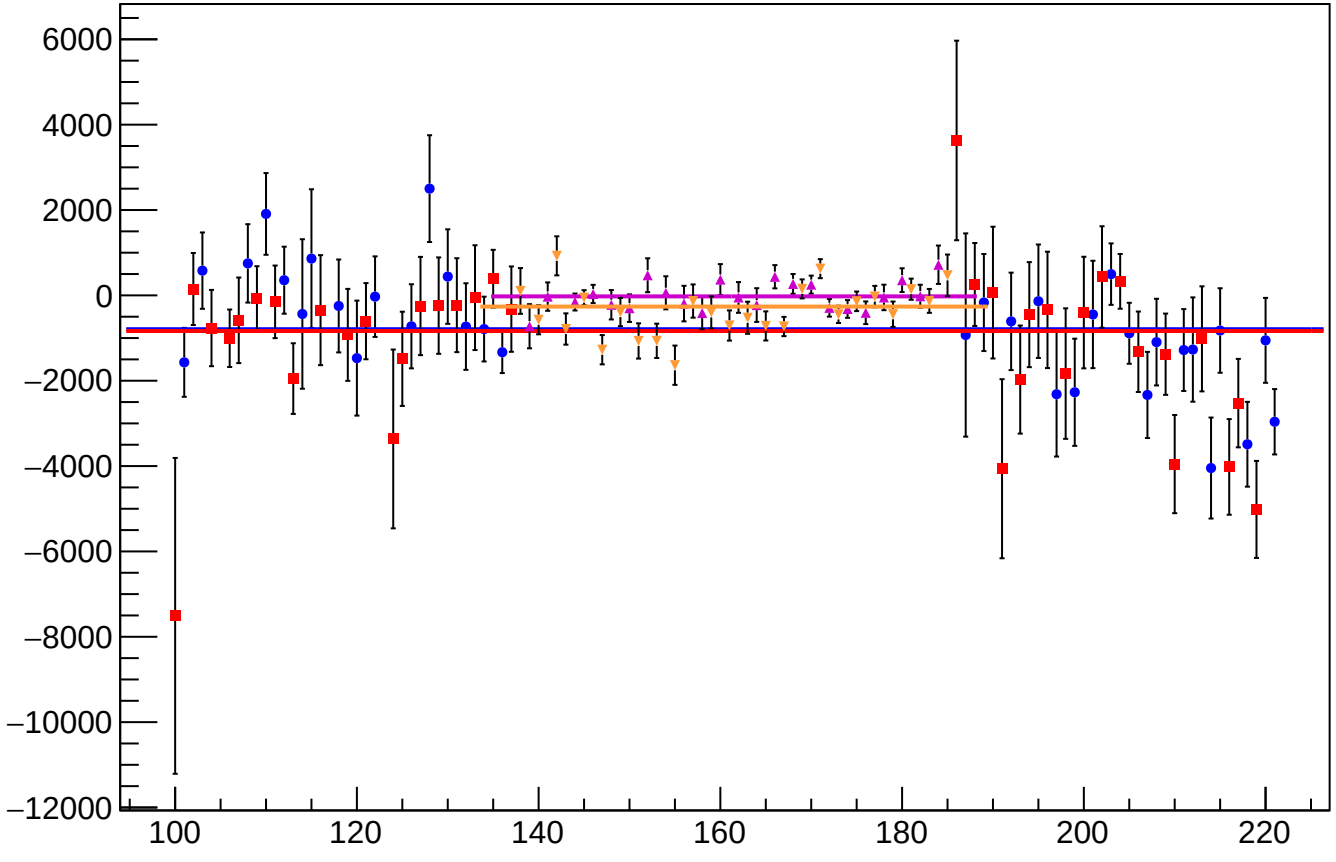
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

\+ sign 62.765+/-0.008 χ^2/NDF: 11271116.7/58

All: 62.641+/-0.005 χ^2/NDF: 23677185.6/118

\- sign 62.509+/-0.008 χ^2/NDF: 12405505.5/59

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -793.253+/-165.865 χ^2/NDF: 60.0/33

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -834.631+/-170.250 χ^2/NDF: 60.8/36

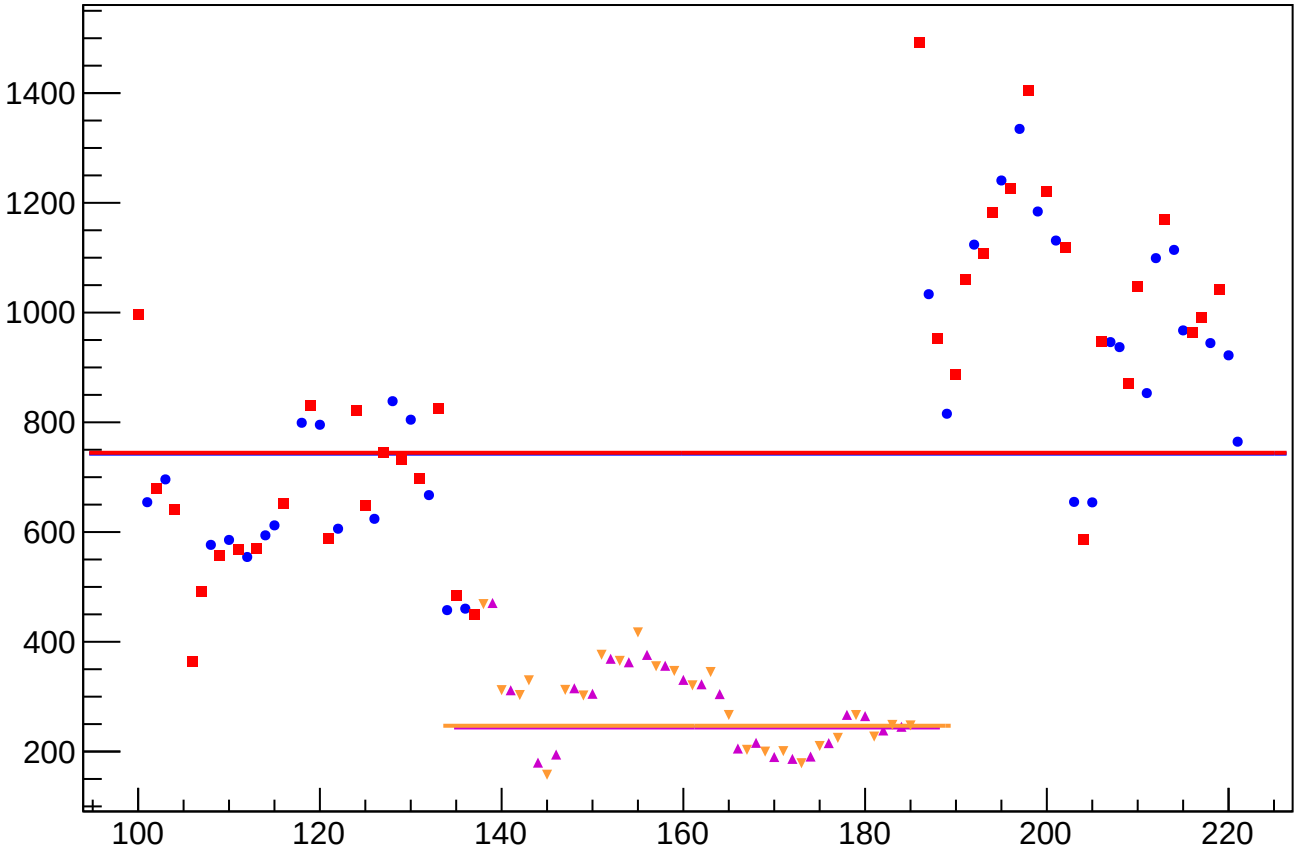
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -321.292+/-55.170 χ^2/NDF: 141.3/58

All: -218.109+/-39.329 χ^2/NDF: 253.7/118

- sign -111.488+/-56.082 χ^2/NDF: 105.3/59

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 742.905+/-0.117 χ^2/NDF: 3516940.2/33

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 744.462+/-0.120 χ^2/NDF: 4515458.2/36

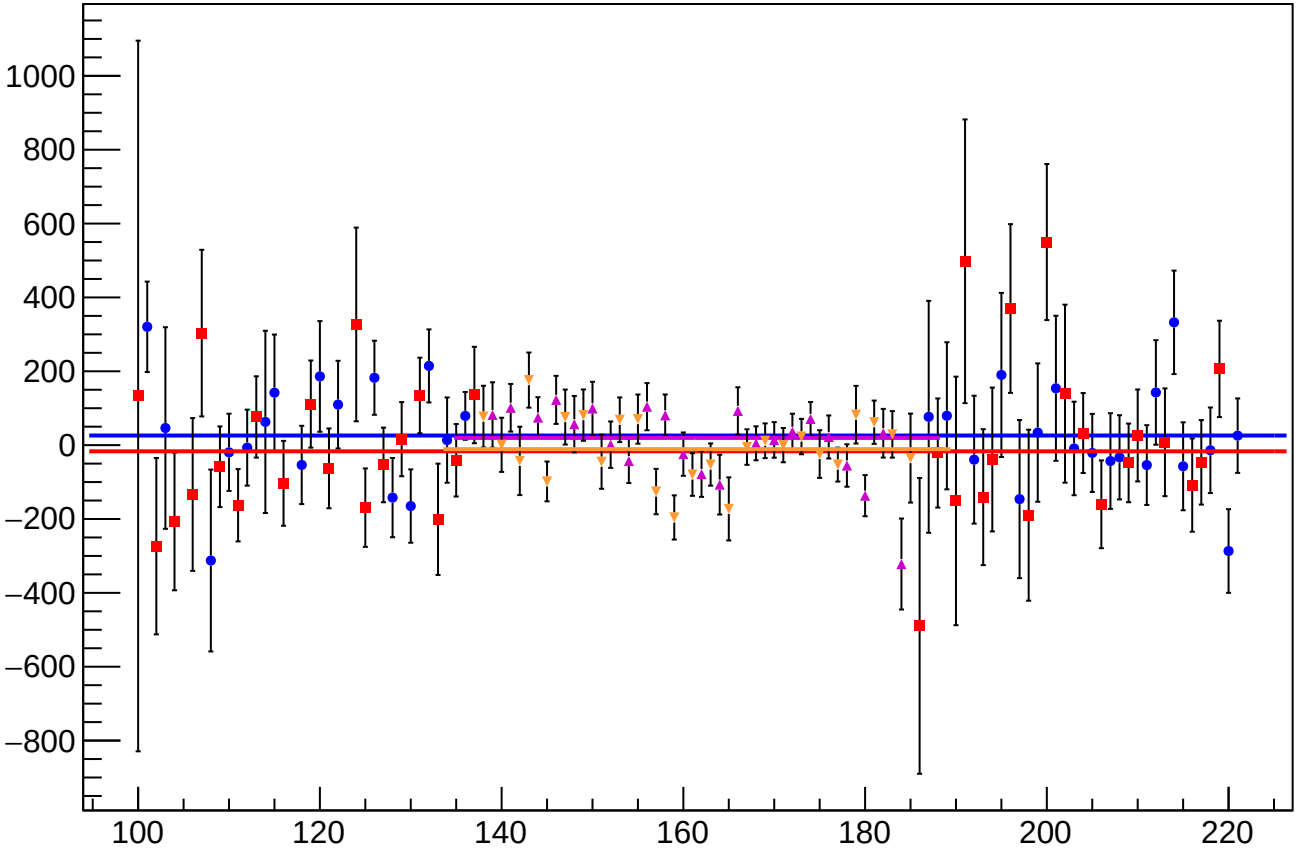
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 301.861+/-0.039 χ^2/NDF: 22342904.8/58

All: 300.035+/-0.028 χ^2/NDF: 44770968.7/11

- sign 298.149+/-0.040 χ^2/NDF: 22423611.2/59

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 26.032+/-21.278 χ^2/NDF: 40.6/33

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -16.698+/-22.640 χ^2/NDF: 39.0/36

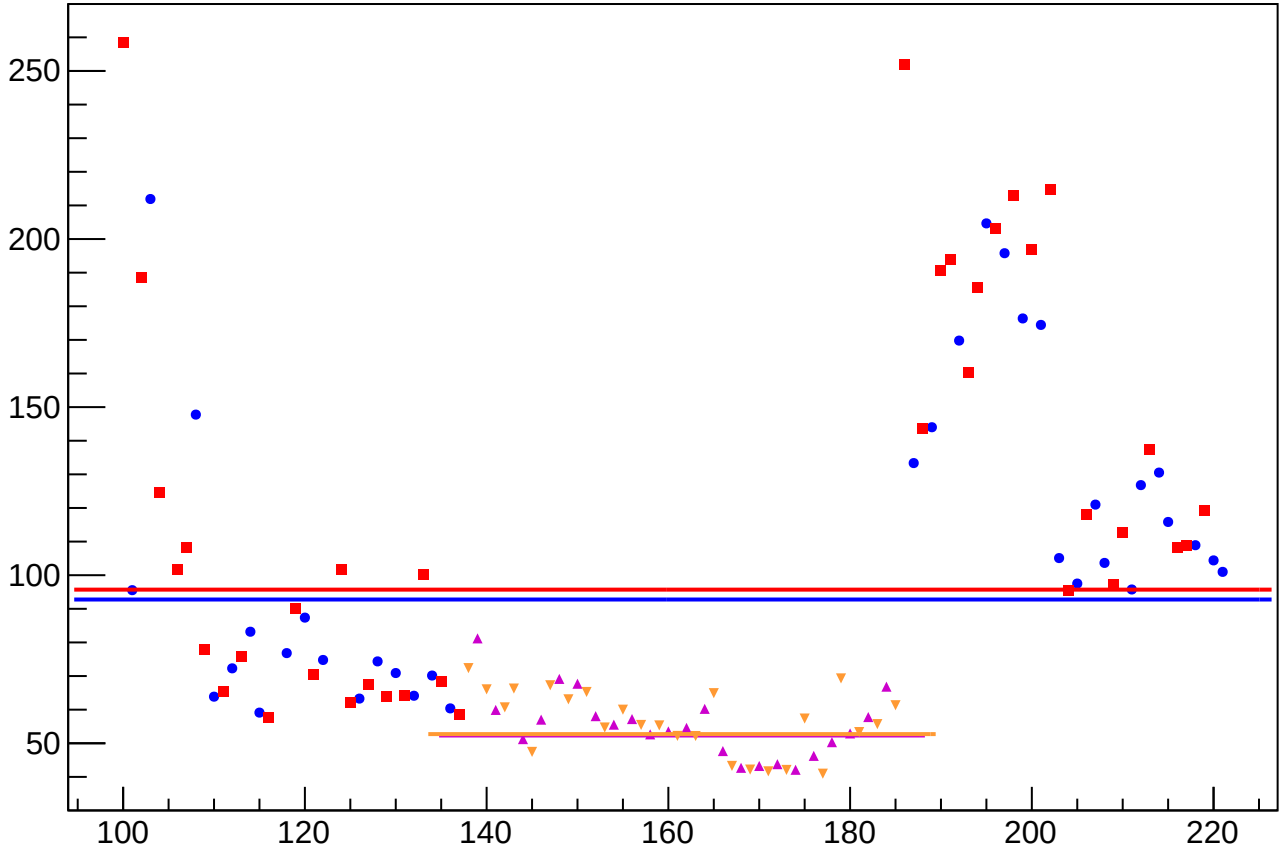
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -1.585+/-10.653 χ^2/NDF: 83.2/58

All: 4.555+/-7.644 χ^2/NDF: 161.6/118

- sign 11.070+/-10.974 χ^2/NDF: 77.7/59

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 92.766+/-0.015 χ^2/NDF: 4798514.7/33

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

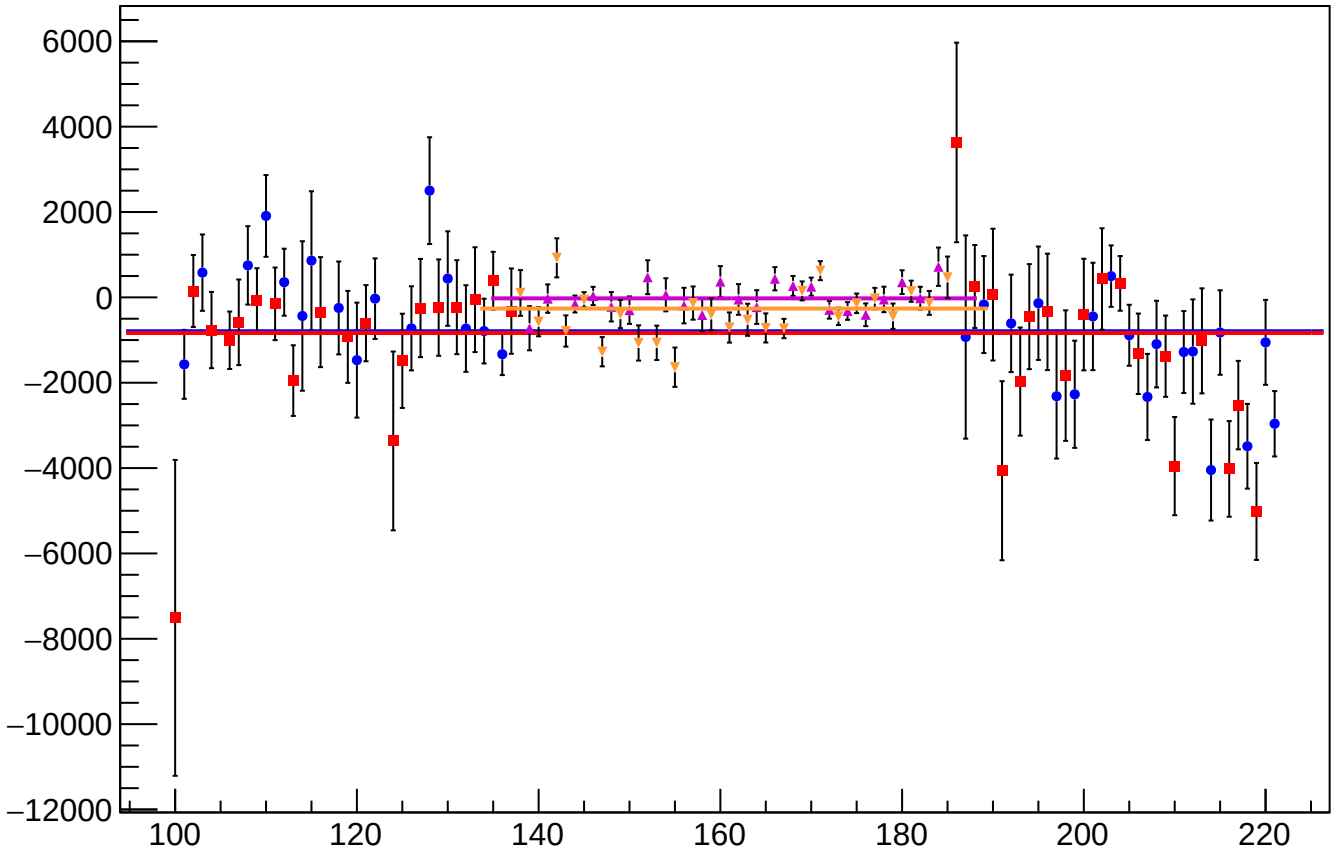
Right Out: 95.707+/-0.016 χ^2/NDF: 5892283.4/36

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 62.765+/-0.008 χ^2/NDF: 11271127.7/58

All: 62.641+/-0.005 χ^2/NDF: 23677173.8/118

- sign 62.509+/-0.008 χ^2/NDF: 12405482.7/59



Right In: -793.253+/-165.865 χ^2/NDF: 60.0/33

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

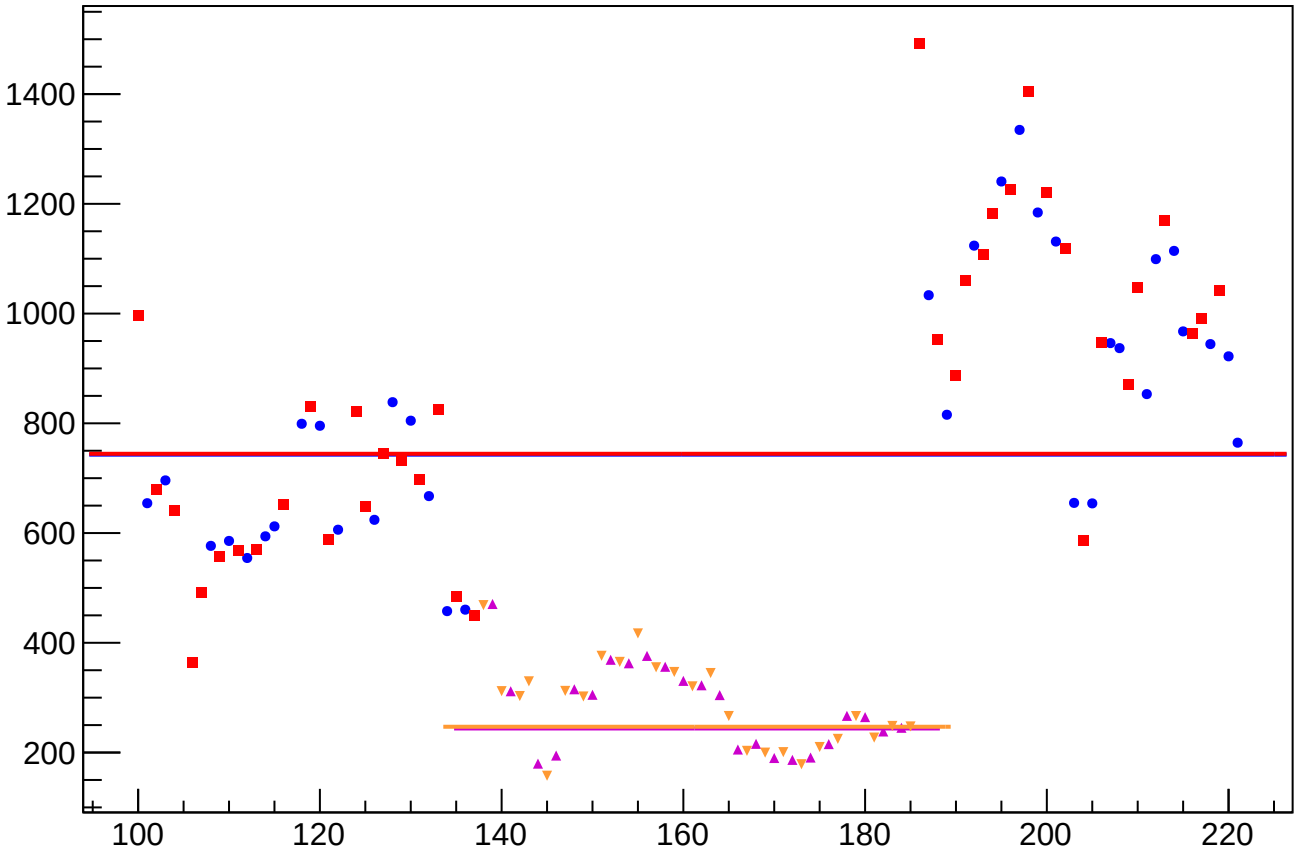
Right Out: -834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -321.293+/-55.170 χ^2/NDF: 141.3/58

All: -218.109+/-39.329 χ^2/NDF: 253.7/118

- sign -111.487+/-56.082 χ^2/NDF: 105.3/59



Right In: 742.905+/-0.117 χ^2/NDF: 3516920.1/33

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 744.461+/-0.120 χ^2/NDF: 4515448.2/36

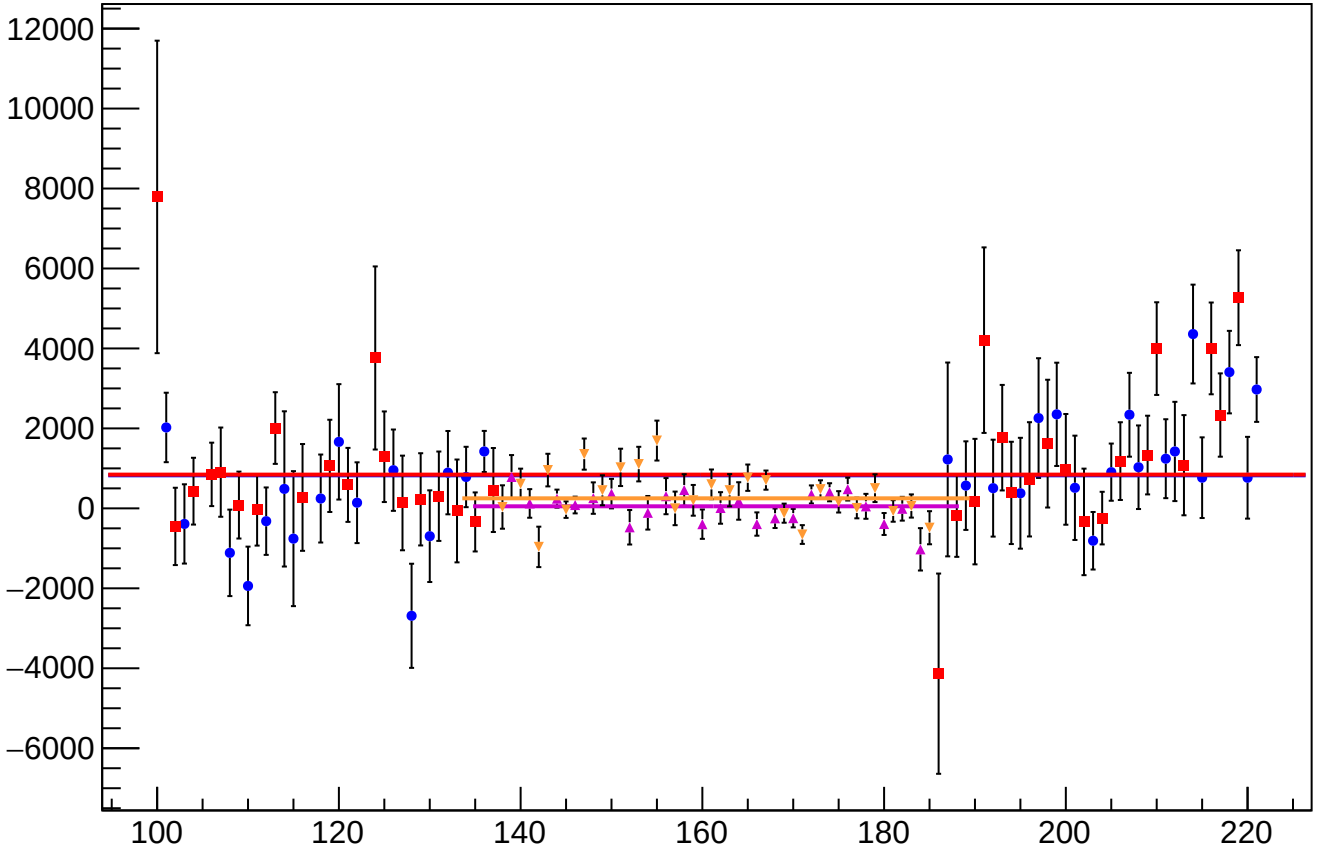
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 301.860+/-0.039 χ^2/NDF: 22342891.0/58

All: 300.035+/-0.028 χ^2/NDF: 44770948.0/11

- sign 298.148+/-0.040 χ^2/NDF: 22423604.0/59

asym_sam_37_dd_mean vs Slug



Right In: 826.593+/-172.571 χ^2/NDF: 60.6/33

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 843.927+/-179.666 χ^2/NDF: 57.8/36

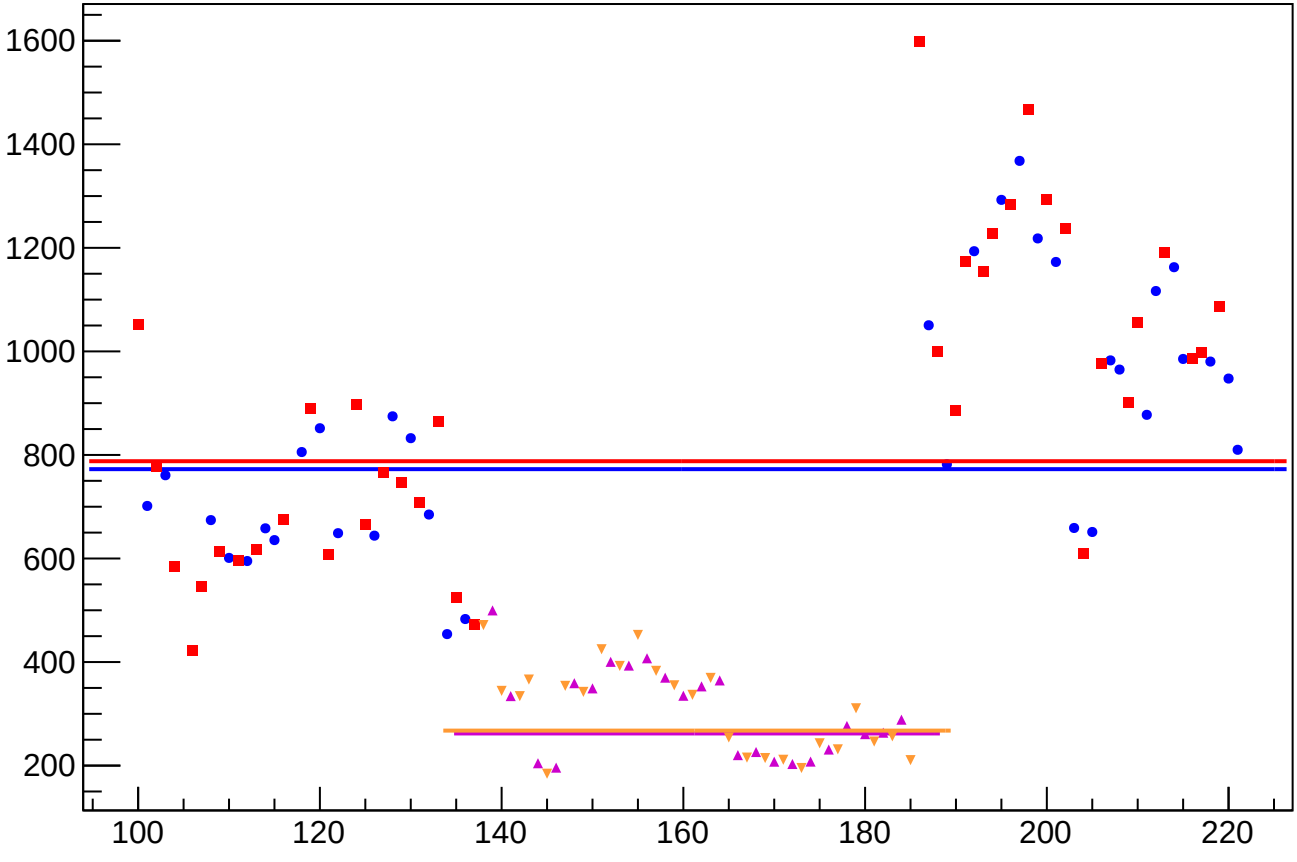
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 319.591+/-59.530 χ^2/NDF: 137.9/58

All: 230.997+/-42.315 χ^2/NDF: 244.3/118

- sign 140.525+/-60.158 χ^2/NDF: 101.9/59

asym_sam_37_dd_rms vs Slug



Right In: 772.559+/-0.122 χ^2/NDF: 3447021.1/33

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

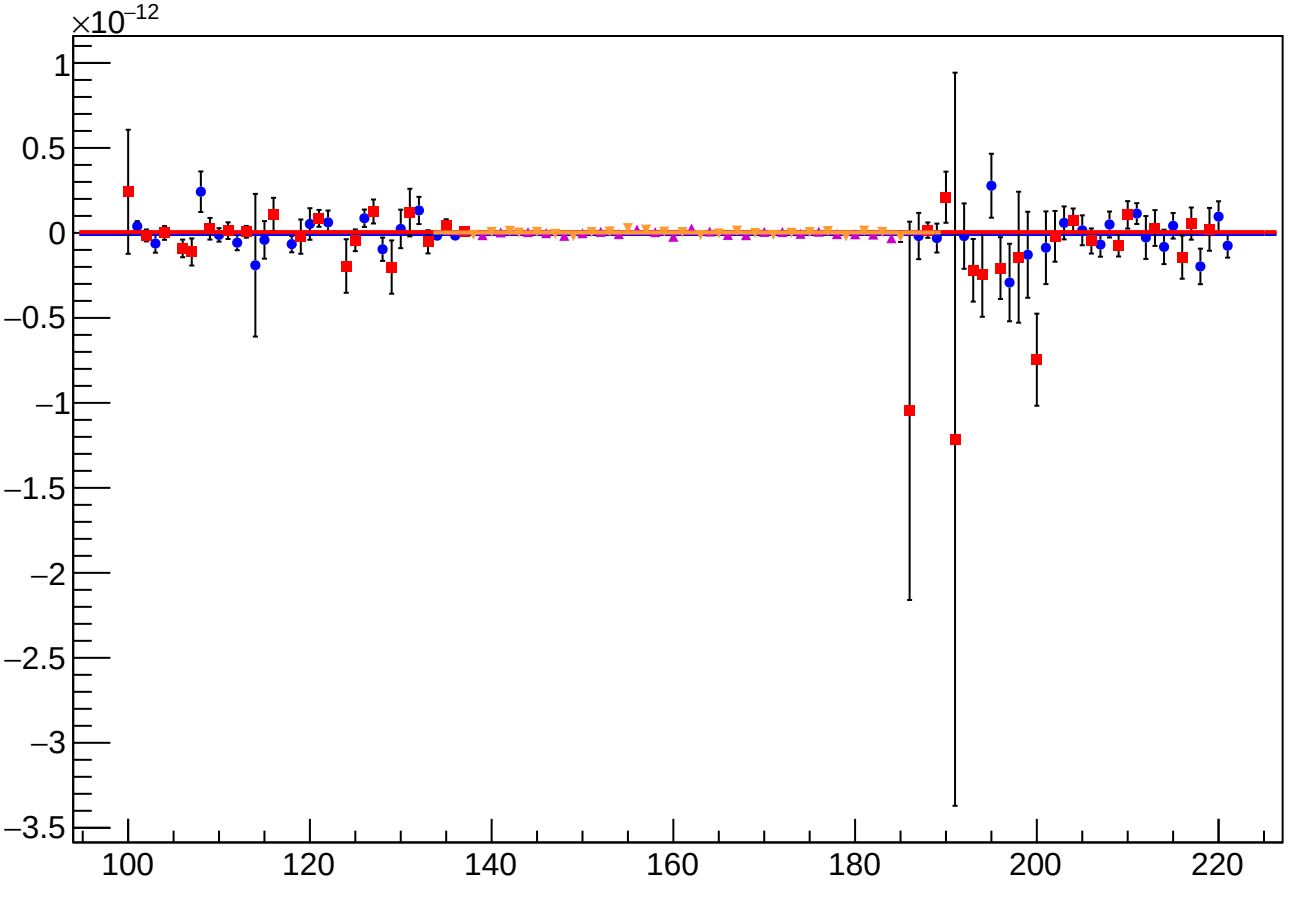
Right Out: 787.902+/-0.127 χ^2/NDF: 4159107.7/36

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 327.680+/-0.042 χ^2/NDF: 21335411.1/58

All: 324.396+/-0.030 χ^2/NDF: 43253769.5/11

- sign 321.042+/-0.043 χ^2/NDF: 21906057.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

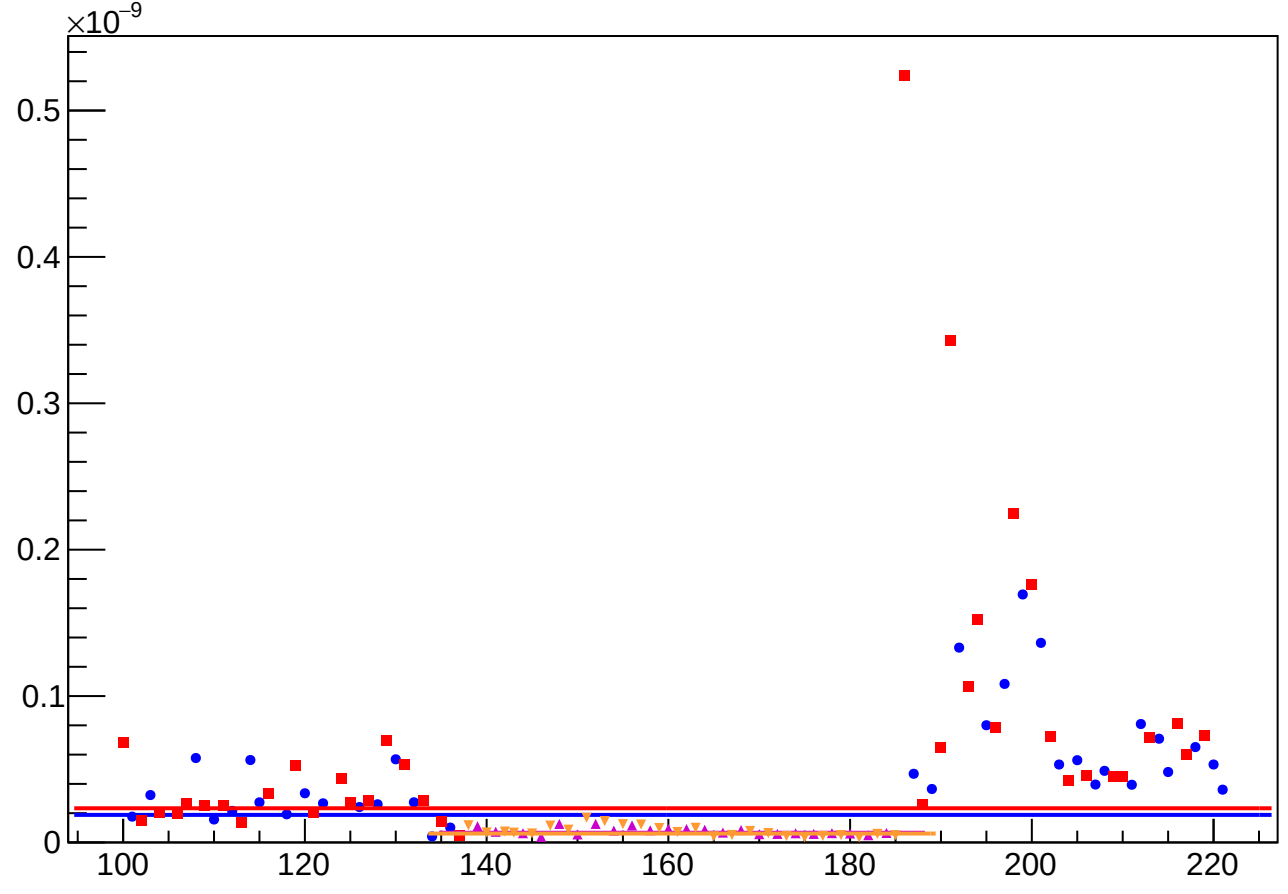
Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/36

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/58

All: 0.000+/-0.000 χ^2/NDF: 107.8/118

- sign -0.000+/-0.000 χ^2/NDF: 53.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 8962224.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7483465.2/36

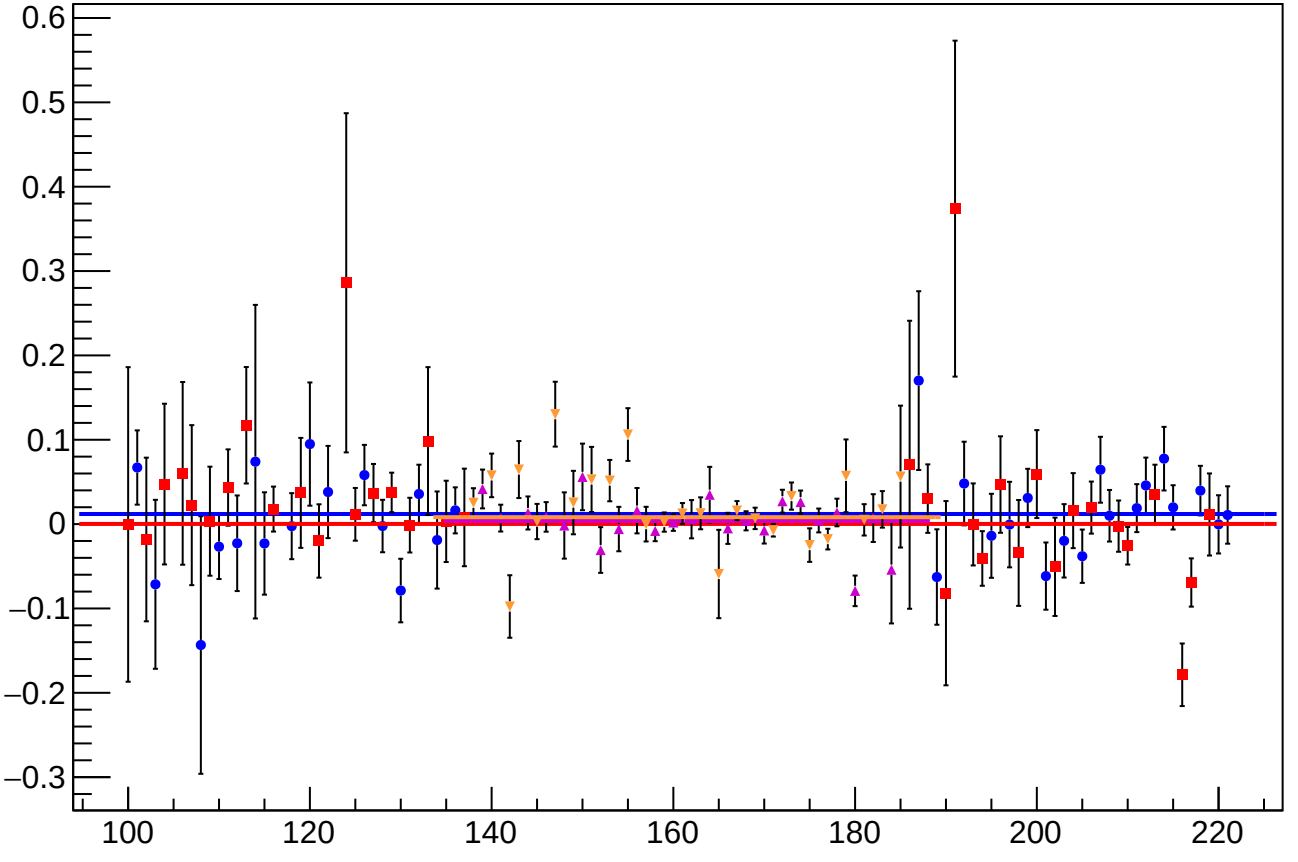
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15385943.2/58

All: 0.000+/-0.000 χ^2/NDF: 28973941.9/118

- sign 0.000+/-0.000 χ^2/NDF: 13519445.3/59

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

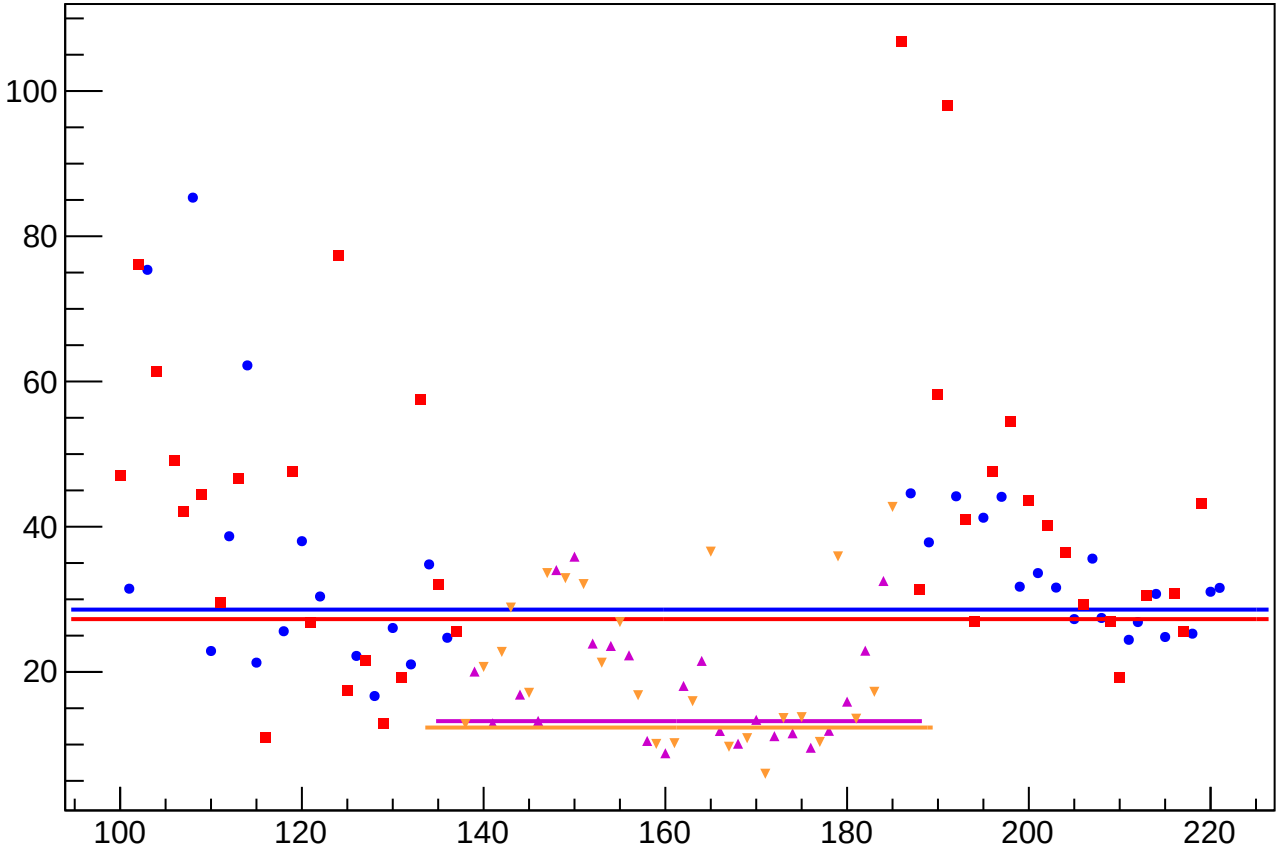
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 186.1/118

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.586+/-0.005 χ^2/NDF: 2384483.8/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

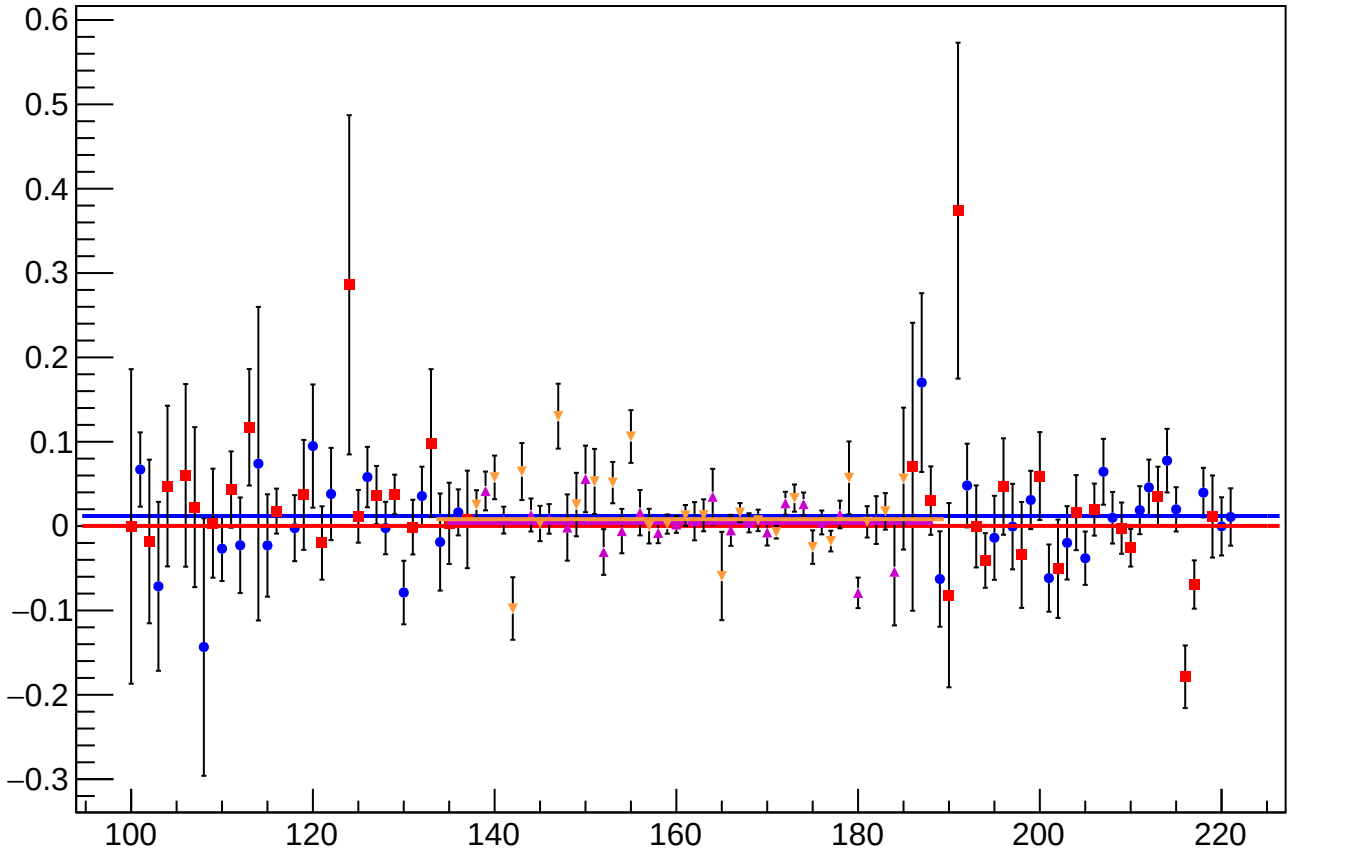
Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193190.6/58

All: 15.918+/-0.002 χ^2/NDF: 34626531.7/118

- sign 16.187+/-0.002 χ^2/NDF: 16406664.3/59



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

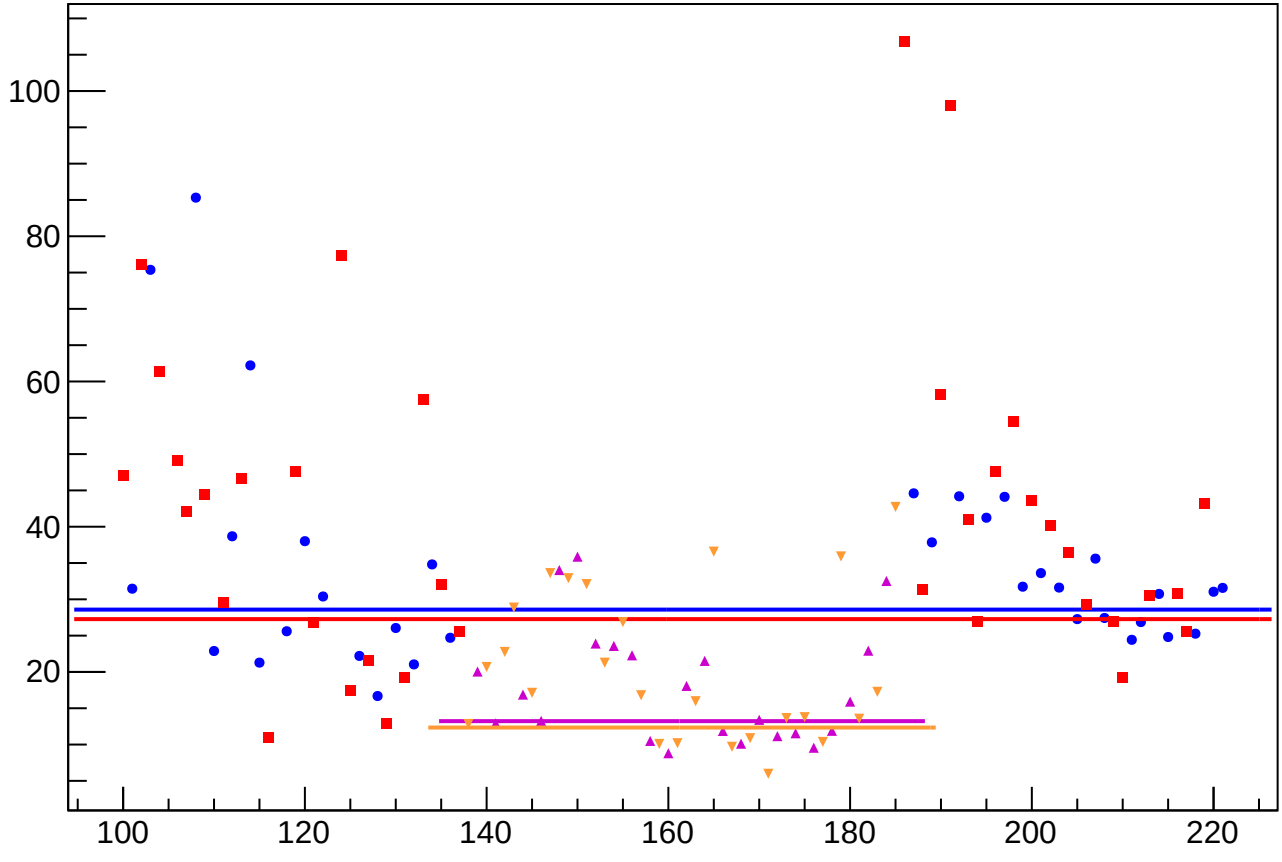
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 186.1/118

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.586+/-0.005 χ^2/NDF: 2384483.8/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

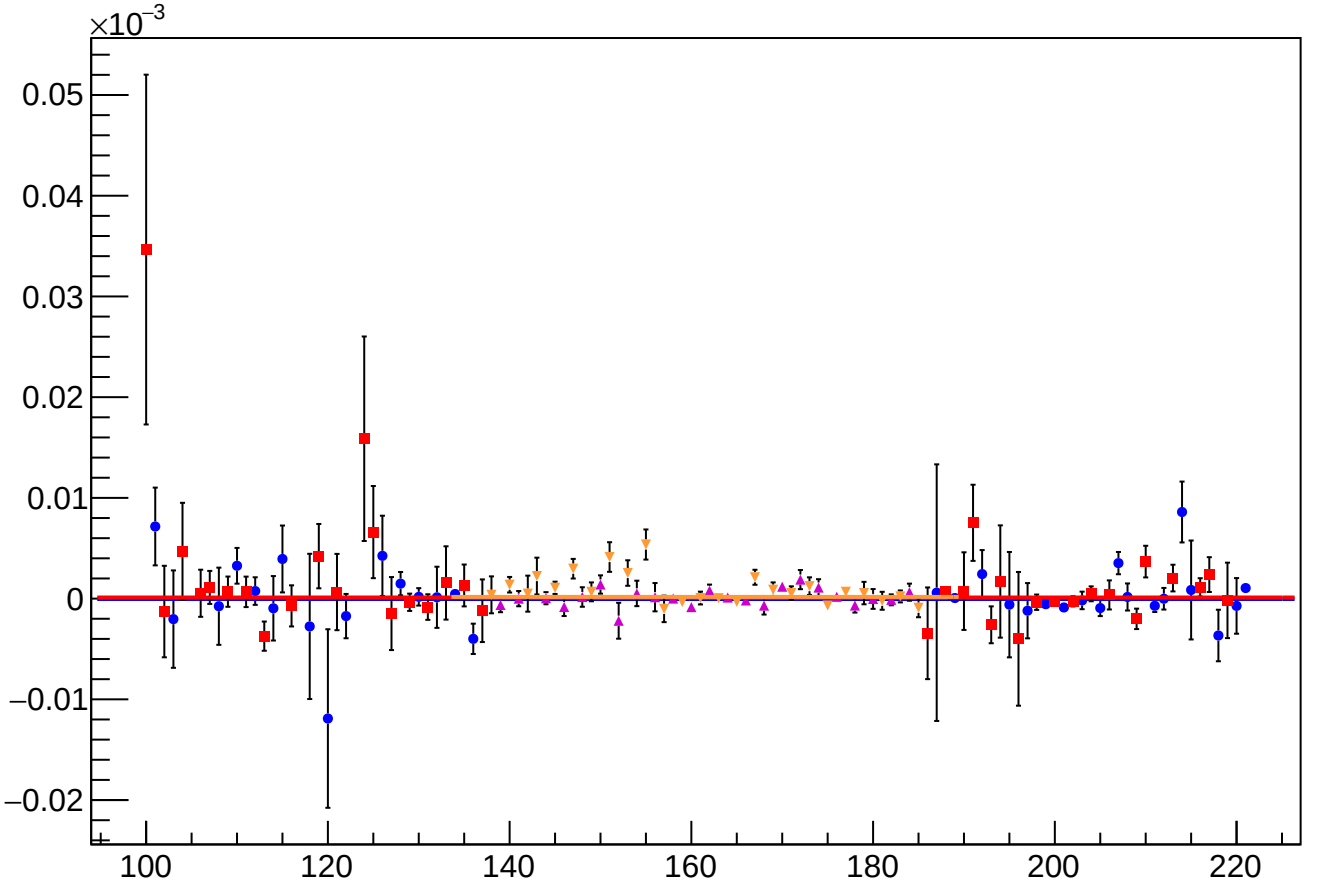
Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193190.6/58

All: 15.918+/-0.002 χ^2/NDF: 34626531.7/118

- sign 16.187+/-0.002 χ^2/NDF: 16406664.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 58.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

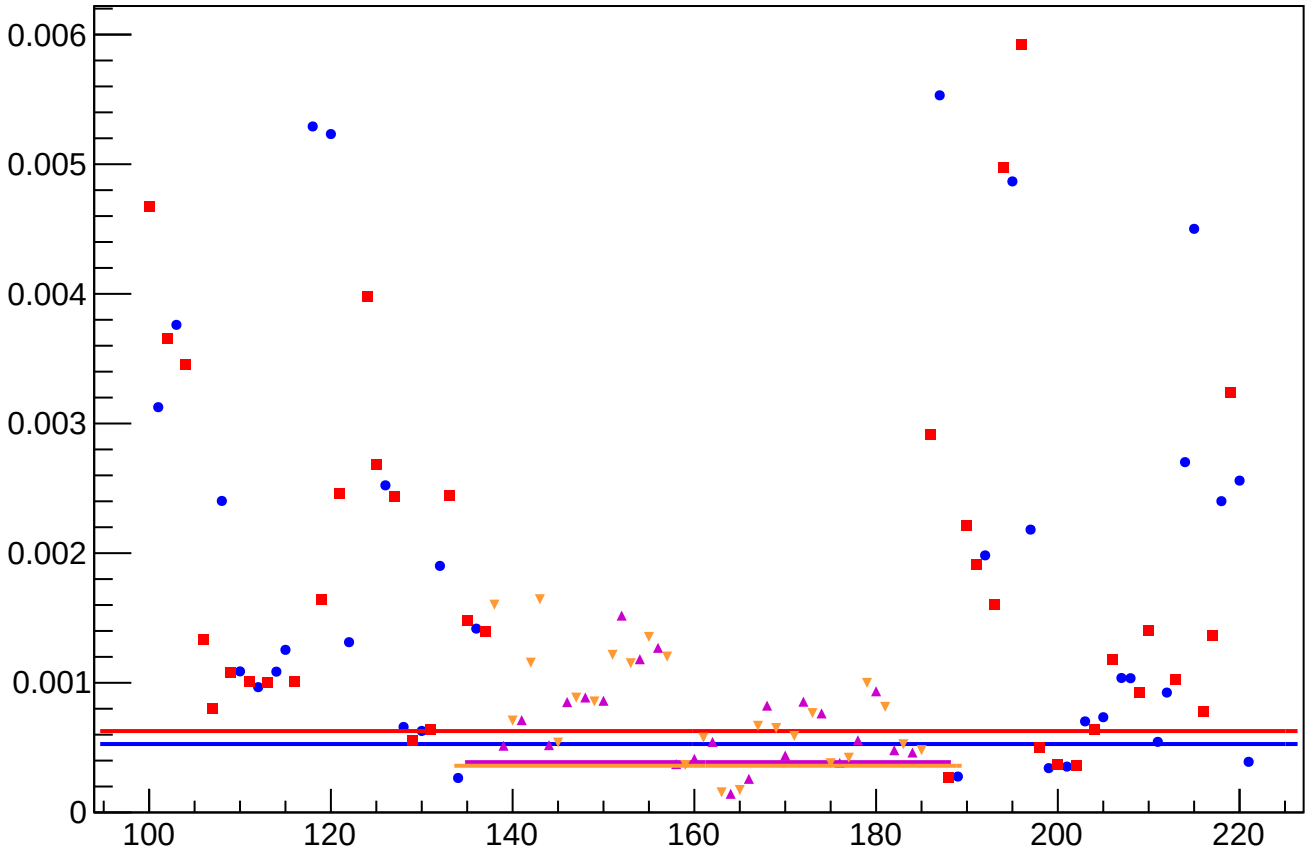
Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 121.6/58

All: 0.000+/-0.000 χ^2/NDF: 192.2/118

- sign 0.000+/-0.000 χ^2/NDF: 70.6/59



Right In: 0.001+/-0.000 χ^2/NDF: 17312952.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14453562.7/36

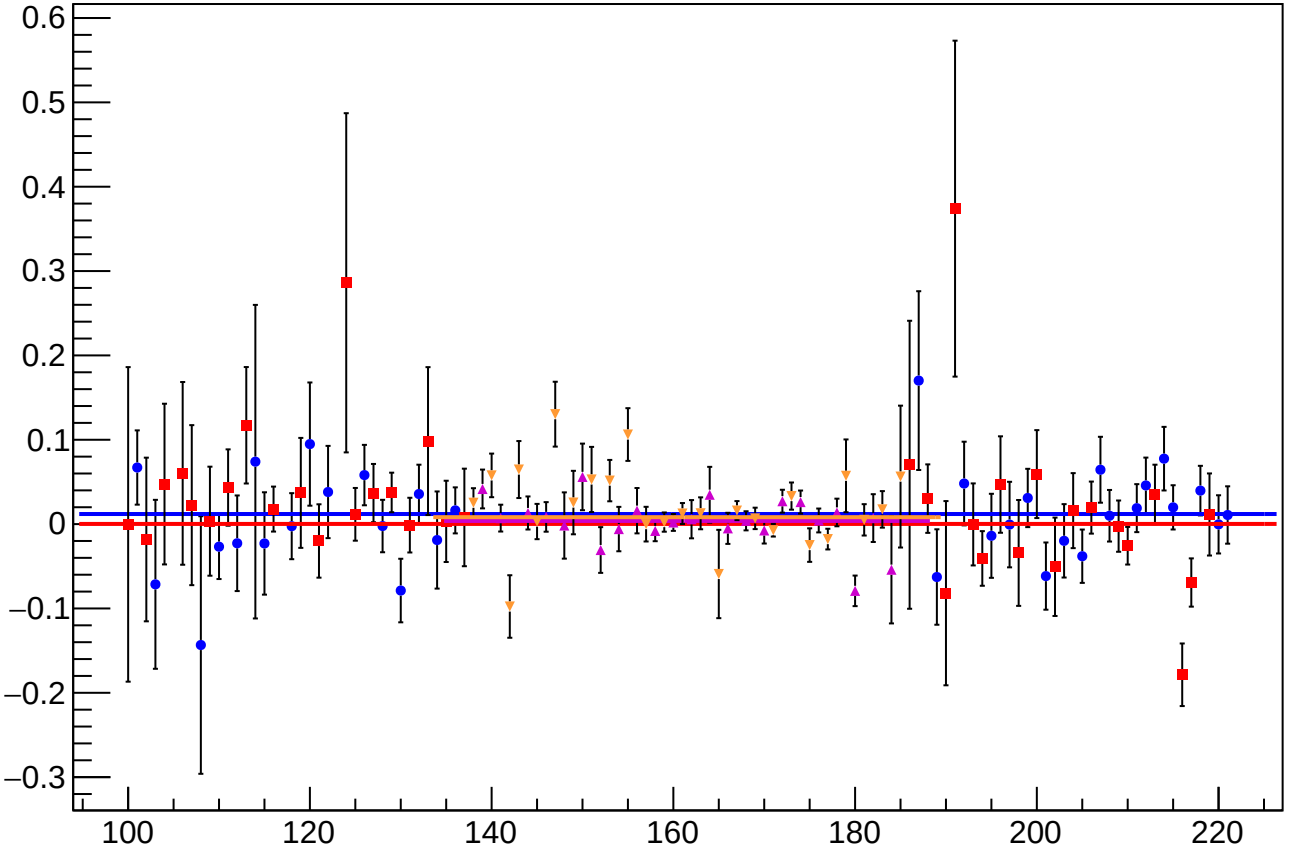
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 32900689.4/58

All: 0.000+/-0.000 χ^2/NDF: 60372559.0/118

- sign 0.000+/-0.000 χ^2/NDF: 27292157.4/59

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

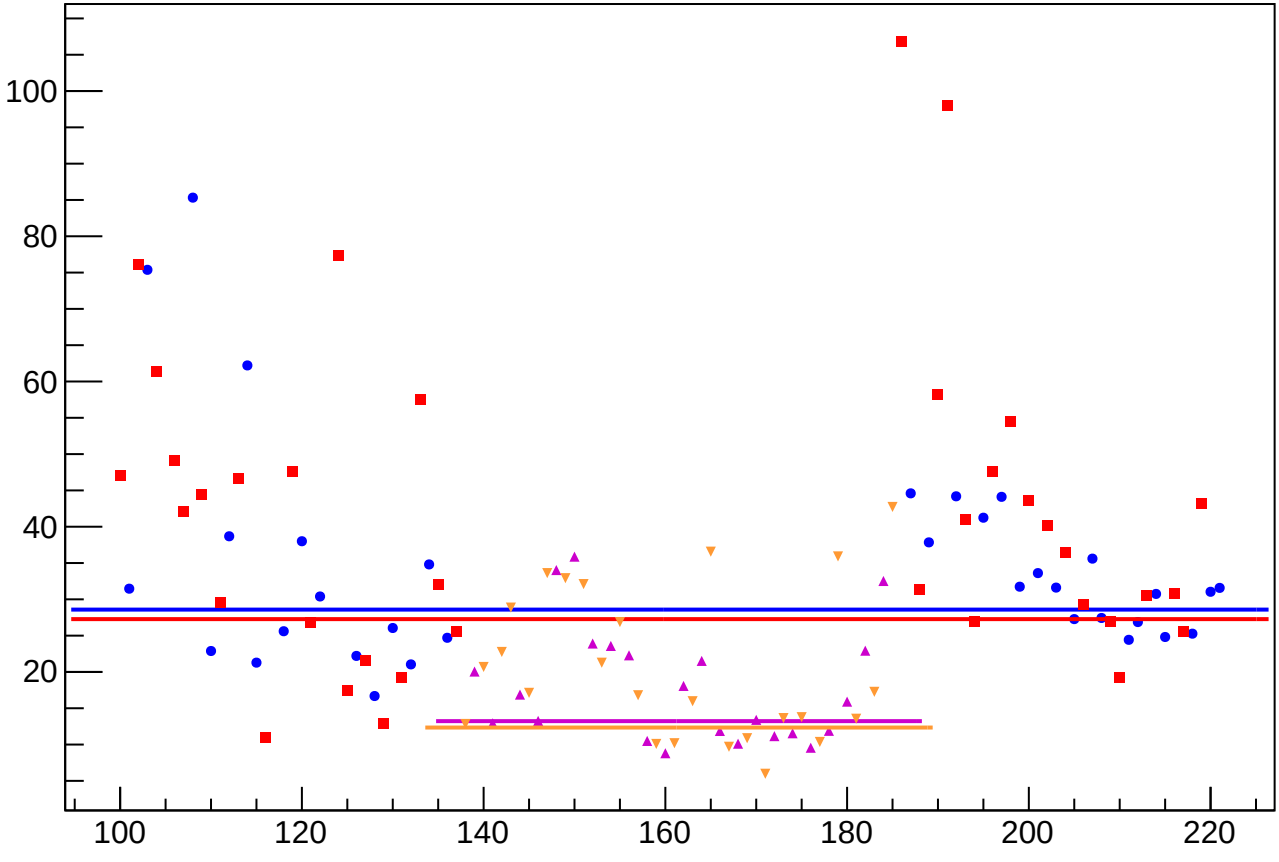
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 186.1/118

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 28.586+/-0.005 χ^2/NDF: 2384350.7/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

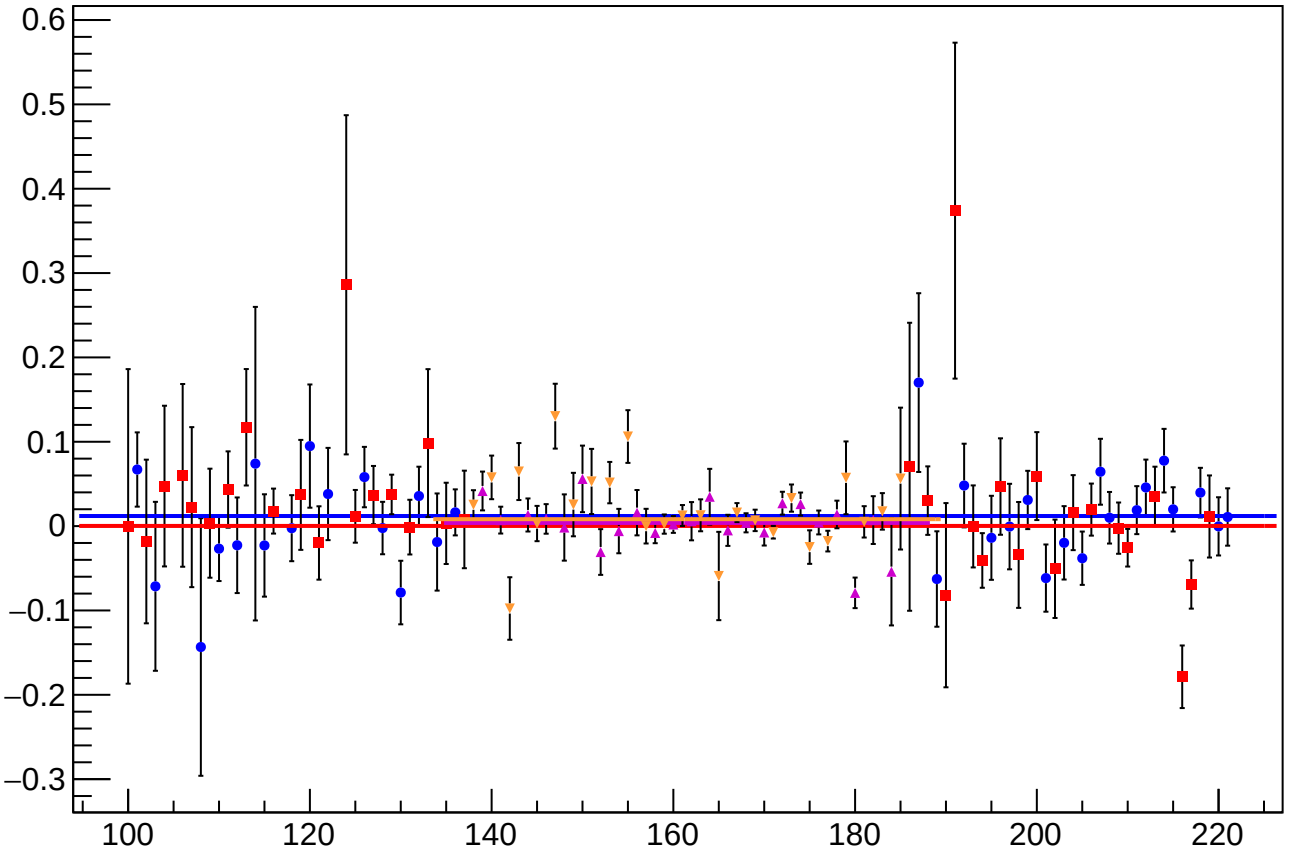
Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193494.0/58

All: 15.918+/-0.002 χ^2/NDF: 34626967.3/118

- sign 16.187+/-0.002 χ^2/NDF: 16406799.6/59



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/33

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

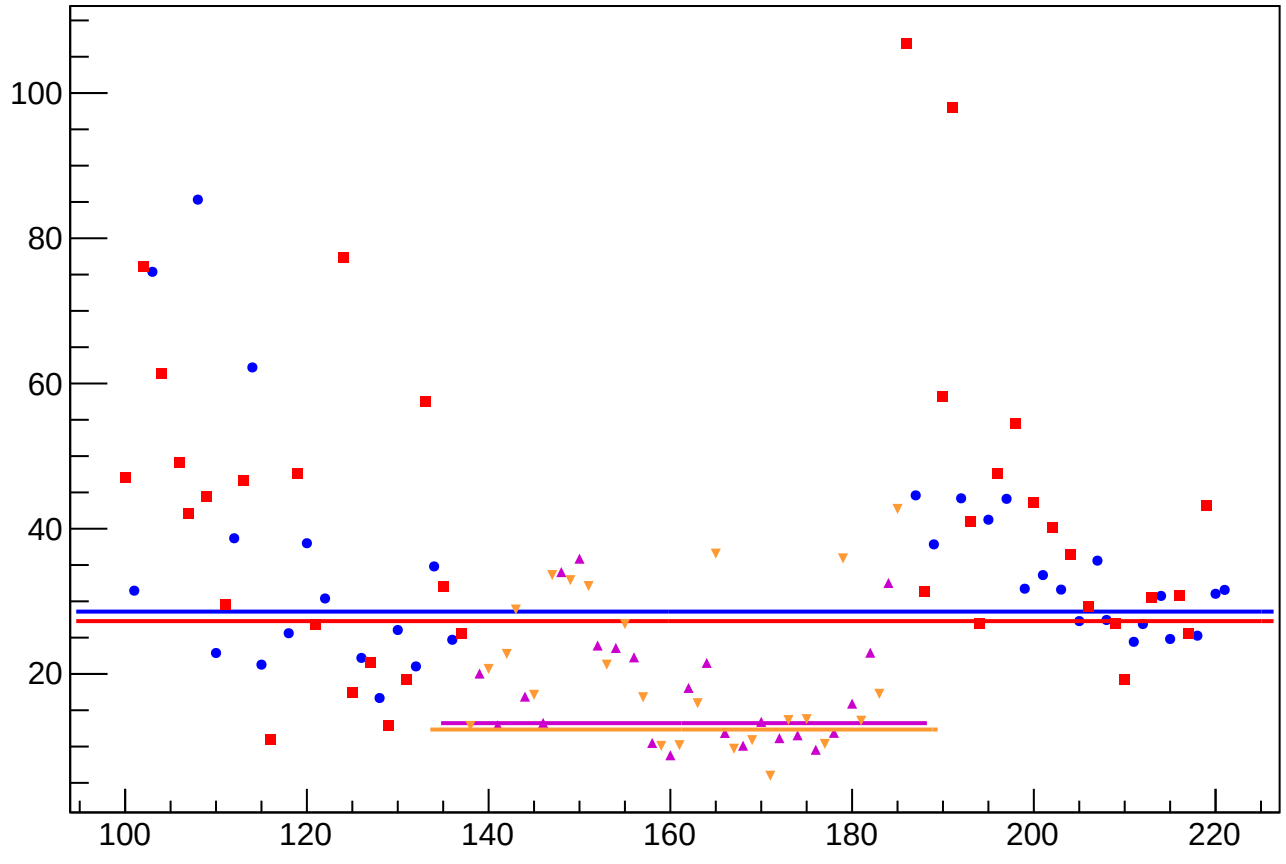
Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/58

All: 0.006+/-0.002 χ^2/NDF: 186.1/118

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59



Right In: 28.586+/-0.005 χ^2/NDF: 2384350.7/33

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

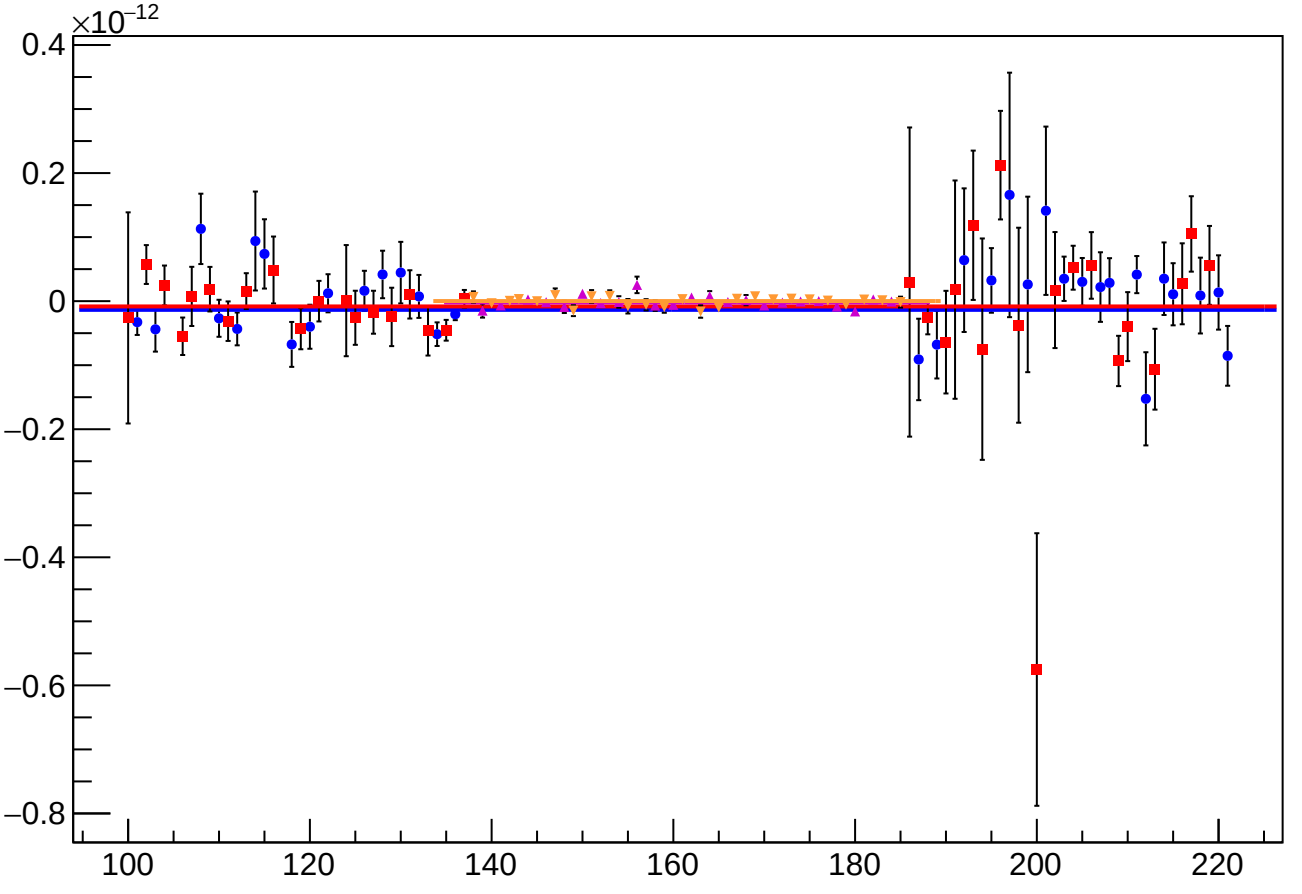
Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.672+/-0.002 χ^2/NDF: 18193494.0/58

All: 15.918+/-0.002 χ^2/NDF: 34626967.3/118

- sign 16.187+/-0.002 χ^2/NDF: 16406799.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 48.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

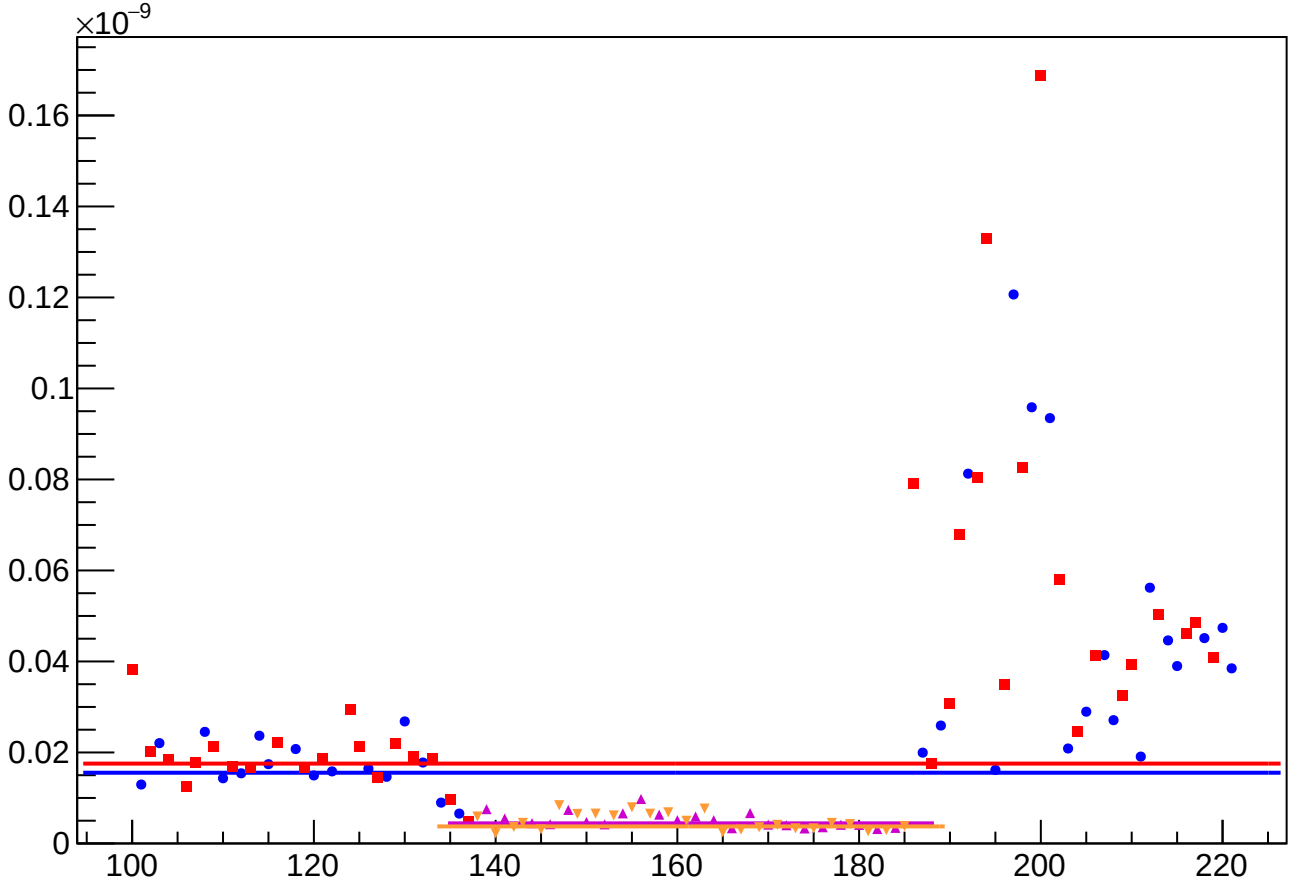
Right Out: -0.000+/-0.000 χ^2/NDF: 53.9/36

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.4/58

All: -0.000+/-0.000 χ^2/NDF: 157.8/118

- sign -0.000+/-0.000 χ^2/NDF: 80.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 9452278.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9005481.2/36

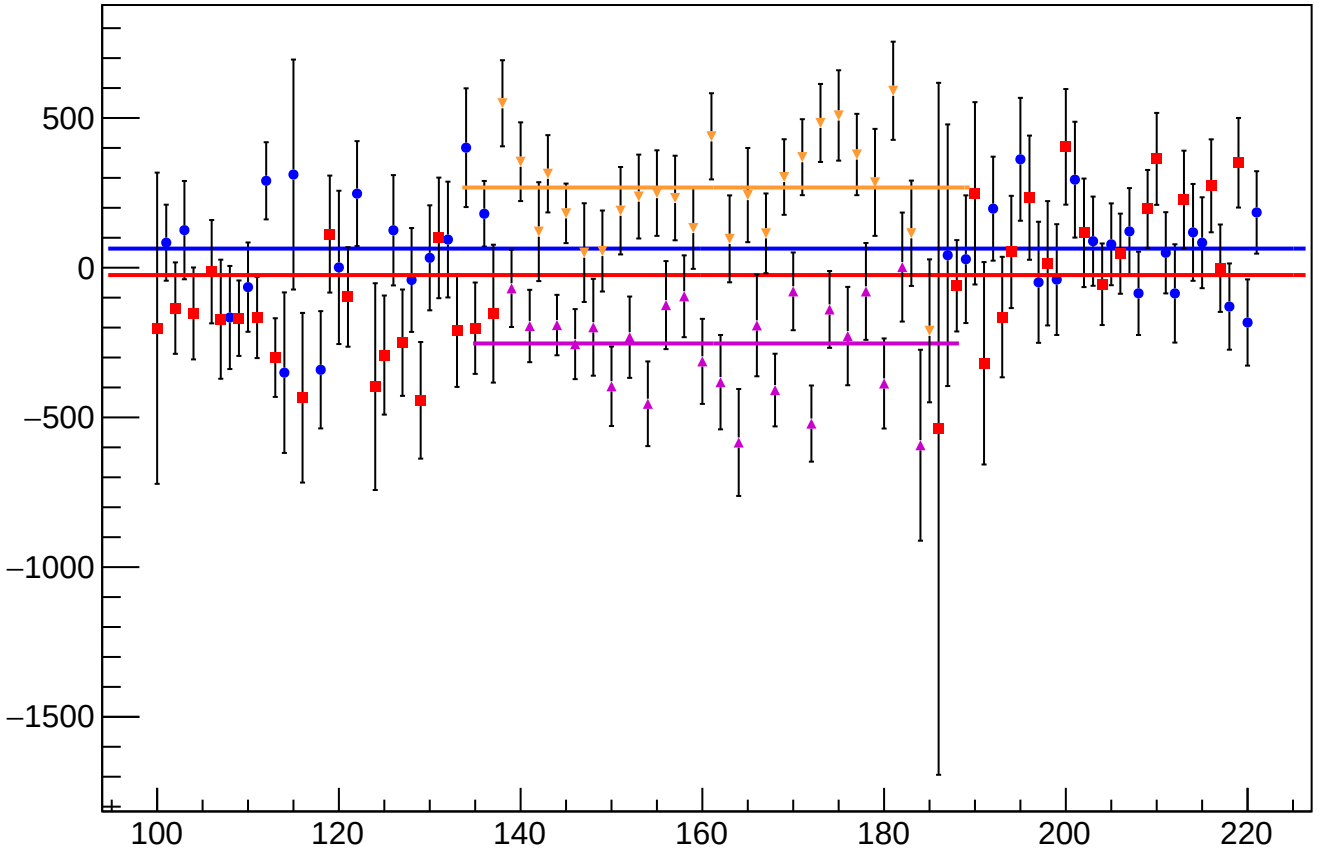
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 21696555.8/58

All: 0.000+/-0.000 χ^2/NDF: 41771814.2/118

- sign 0.000+/-0.000 χ^2/NDF: 19702809.5/59

reg_asym_sam_48_dd_mean vs Slug



Right In: 63.815+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -24.559+/-28.789 χ^2/NDF: 55.3/36

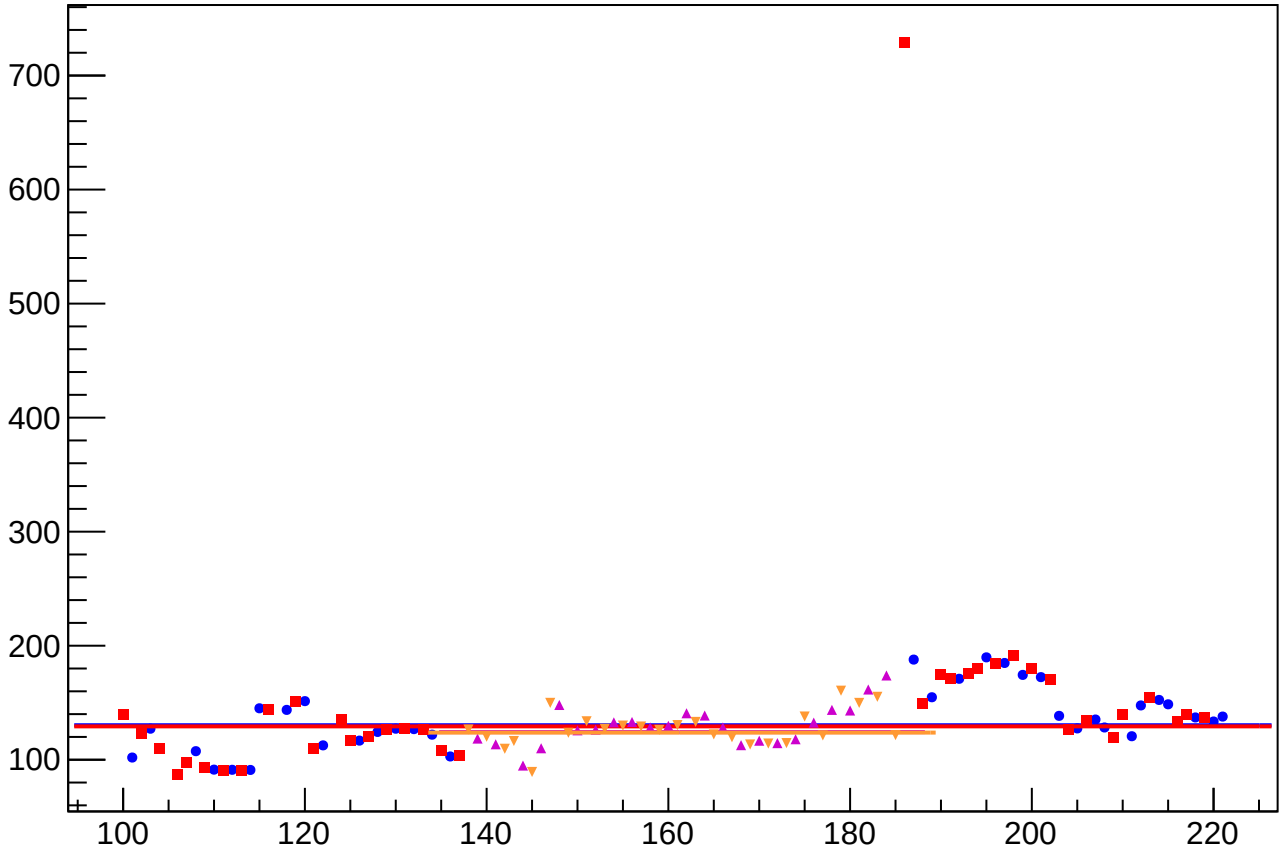
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 165.424+/-20.050 χ^2/NDF: 88.0/58

All: 17.984+/-14.348 χ^2/NDF: 311.2/118

- sign -136.742+/-20.540 χ^2/NDF: 112.4/59

reg_asym_sam_48_dd_rms vs Slug



Right In: 130.264+/-0.020 χ^2/NDF: 1502287.7/33

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.257+/-0.020 χ^2/NDF: 2404627.4/36

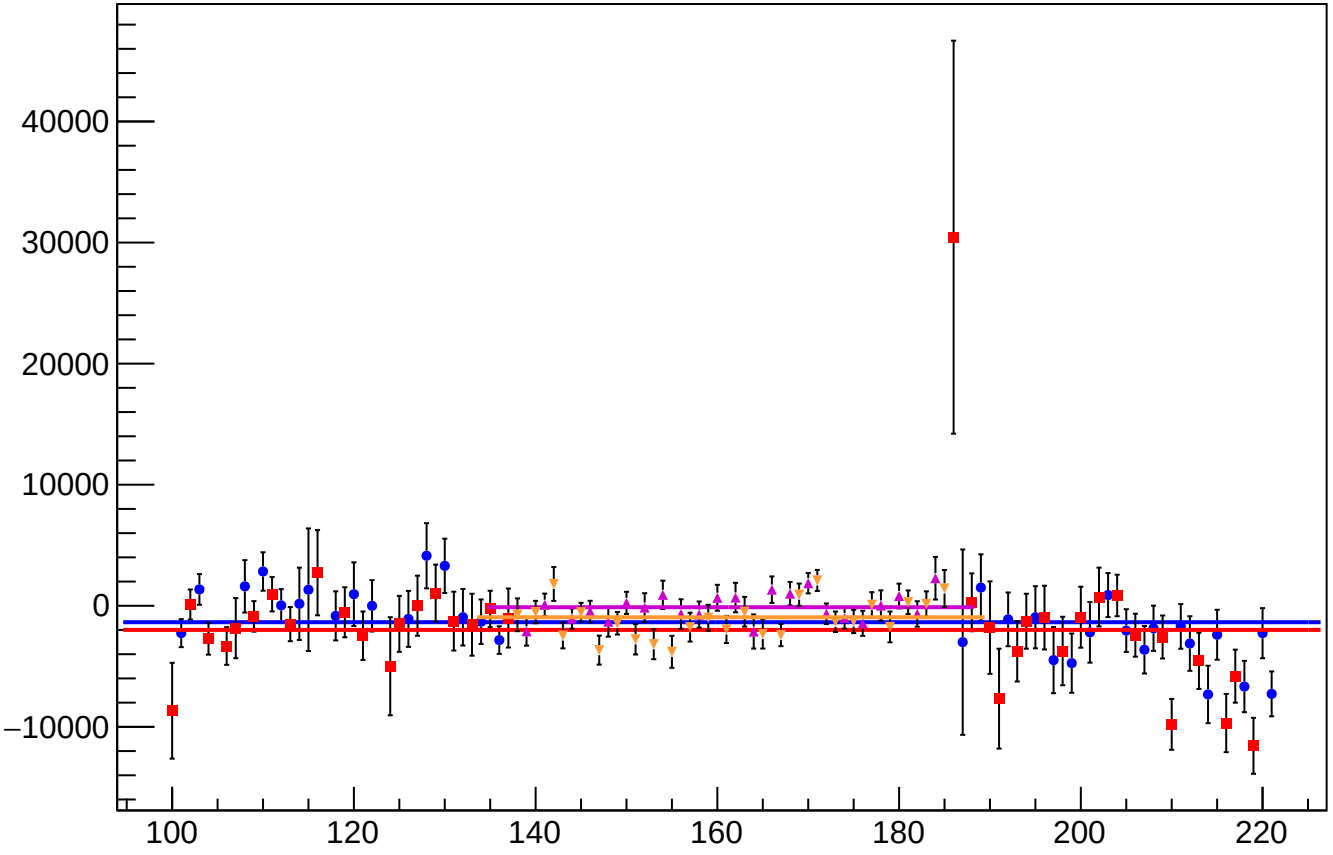
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

\+ sign 127.047+/-0.014 χ^2/NDF: 2152575.6/58

All: 126.928+/-0.010 χ^2/NDF: 5144159.0/118

\- sign 126.803+/-0.015 χ^2/NDF: 2991438.2/59

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -1357.258+/-335.994 χ^2/NDF: 58.5/33

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1993.346+/-337.041 χ^2/NDF: 76.6/36

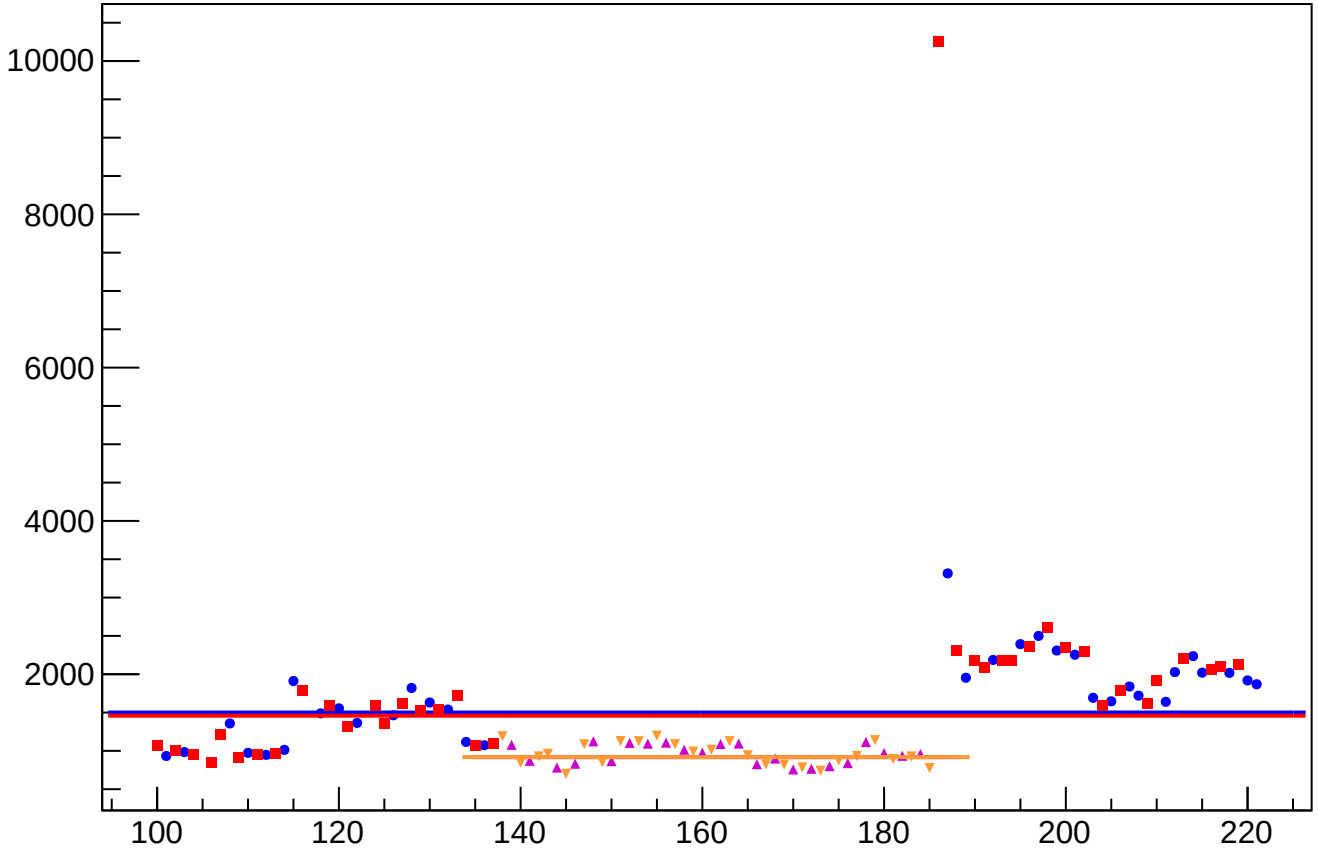
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -1064.174+/-179.169 χ^2/NDF: 109.9/58

All: -870.024+/-127.871 χ^2/NDF: 235.1/118

- sign -668.470+/-182.552 χ^2/NDF: 122.9/59

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1500.352+/-0.238 χ^2/NDF: 3973040.4/33

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1459.192+/-0.238 χ^2/NDF: 5294077.0/36

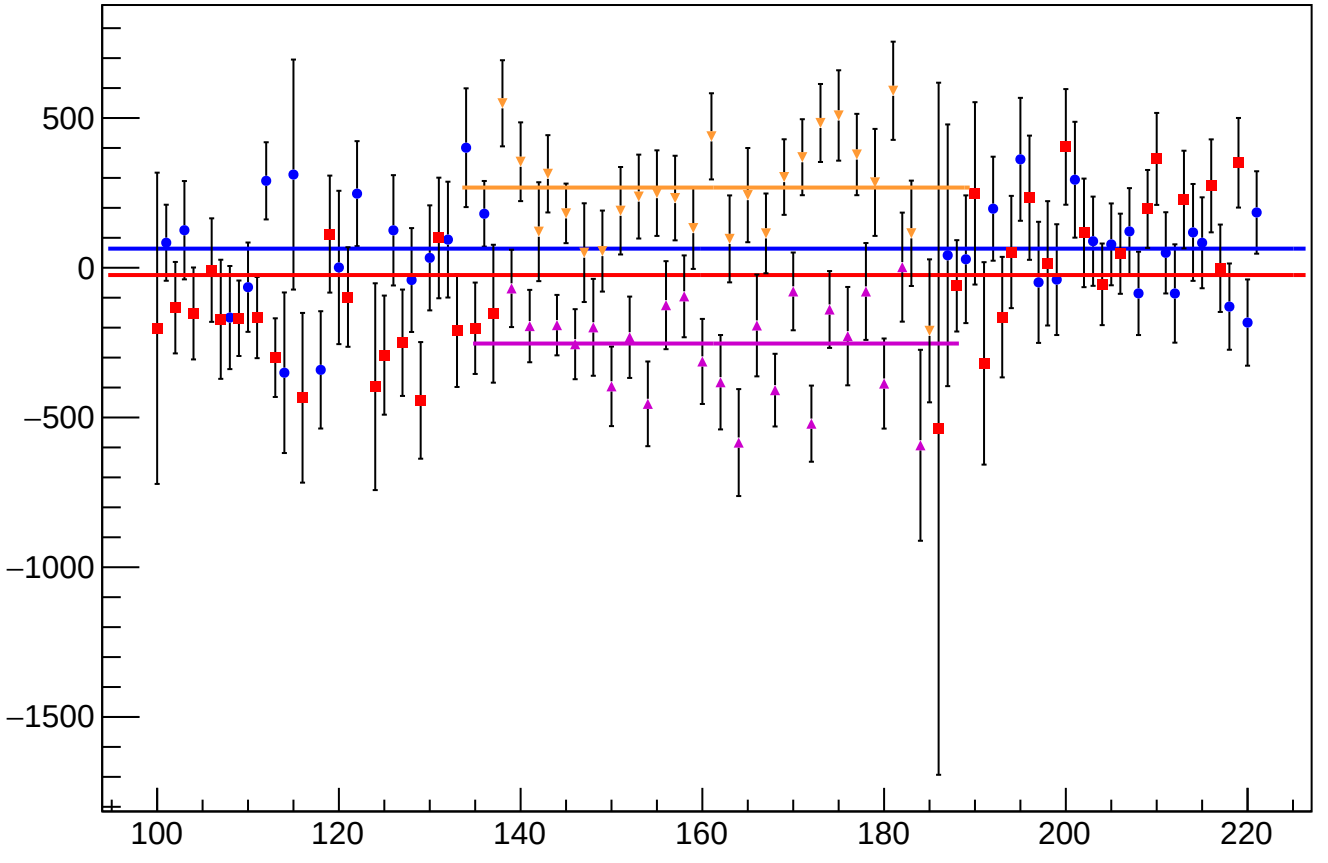
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1083.953+/-0.127 χ^2/NDF: 9153128.9/58

All: 1080.502+/-0.090 χ^2/NDF: 18755963.3/1

- sign 1076.919+/-0.129 χ^2/NDF: 9601322.0/59

cor_asym_sam_48_dd_mean vs Slug



Right In: 63.810+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -24.349+/-28.791 χ^2/NDF: 55.2/36

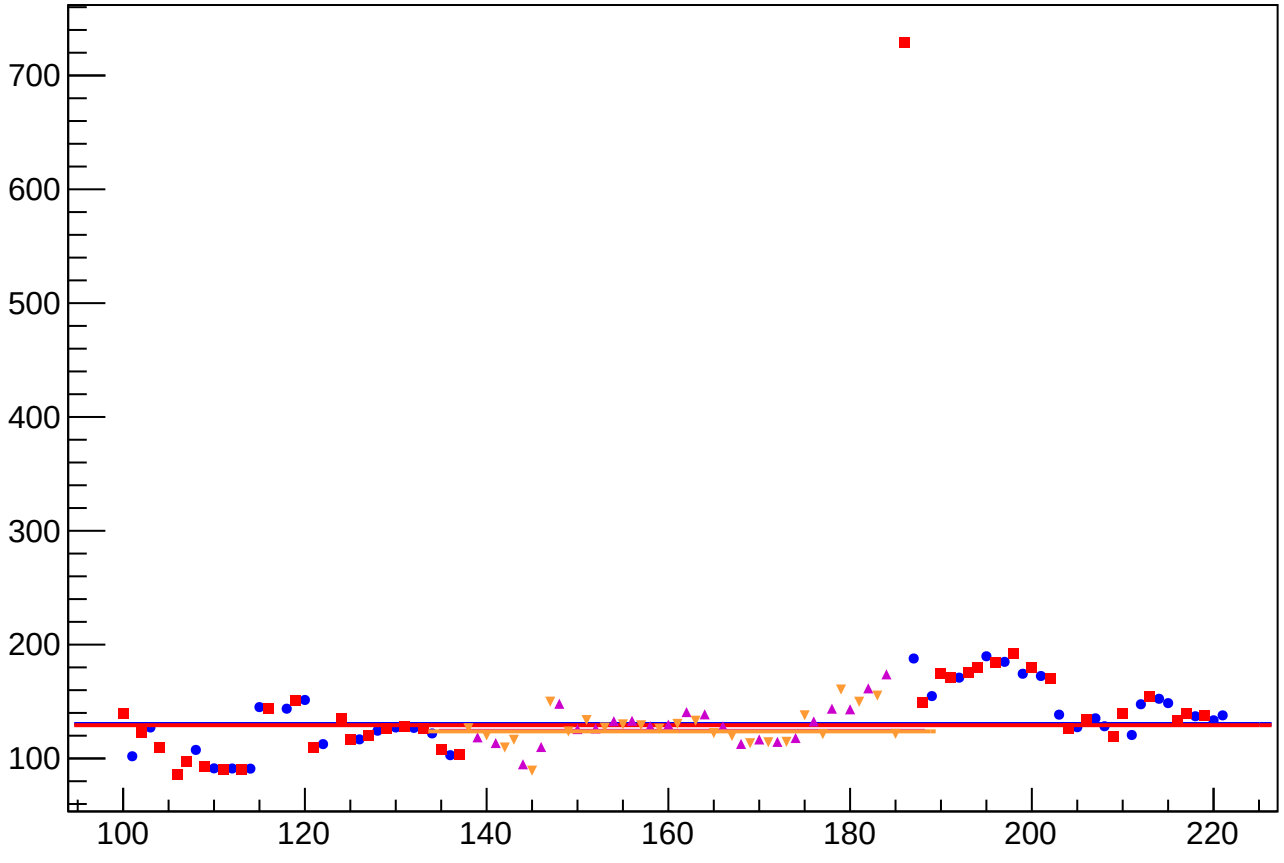
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 165.426+/-20.050 χ^2/NDF: 88.0/58

All: 18.038+/-14.348 χ^2/NDF: 311.2/118

- sign -136.645+/-20.540 χ^2/NDF: 112.4/59

cor_asym_sam_48_dd_rms vs Slug



Right In: 130.264+/-0.020 χ^2/NDF: 1502287.4/33

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

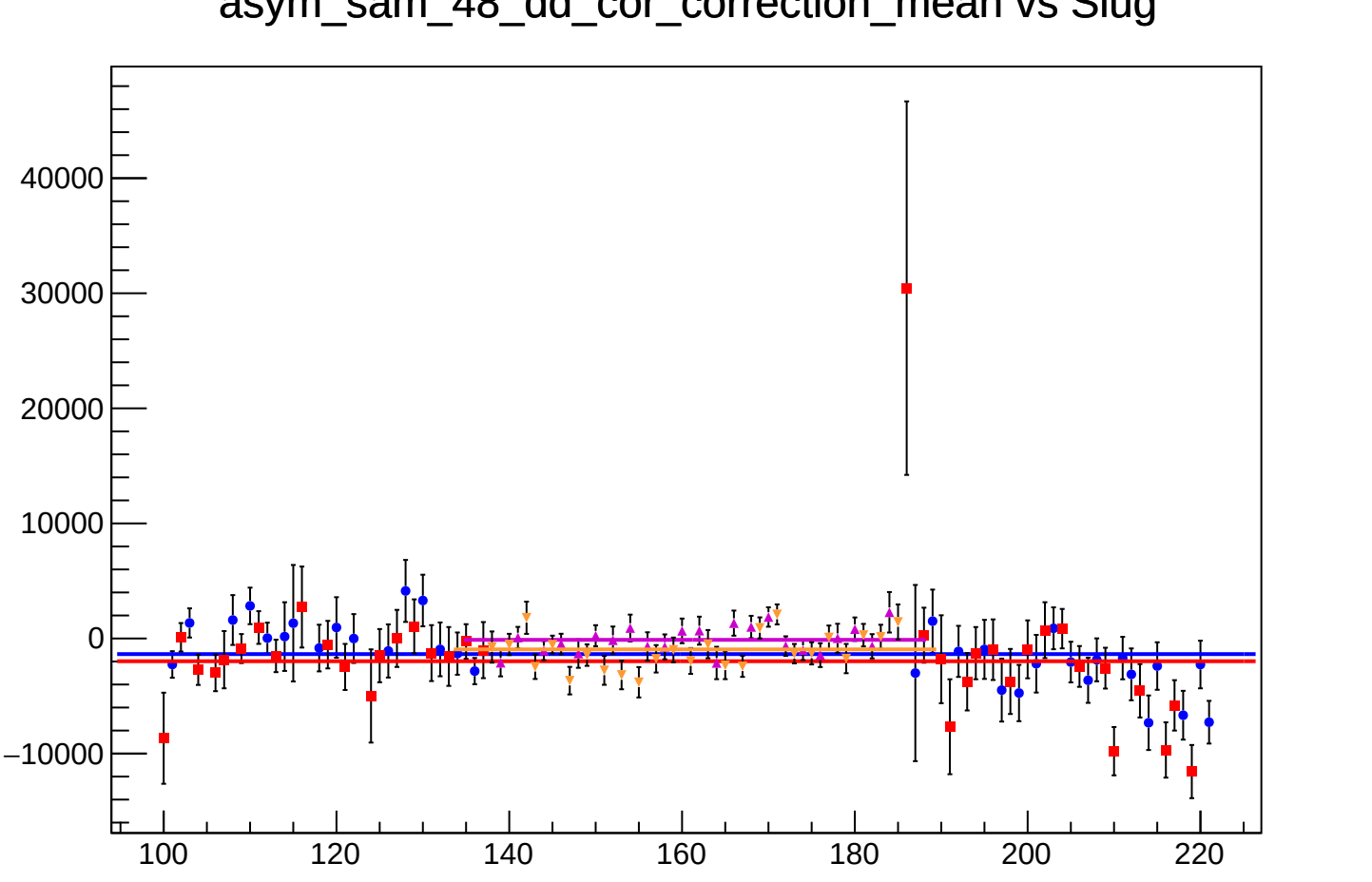
Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 127.047+/-0.014 χ^2/NDF: 2152575.7/58

All: 126.922+/-0.010 χ^2/NDF: 5149939.1/118

- sign 126.790+/-0.015 χ^2/NDF: 2997202.4/59



Right In: -1357.317+/-335.996 χ^2/NDF: 58.5/33

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1975.788+/-337.412 χ^2/NDF: 76.2/36

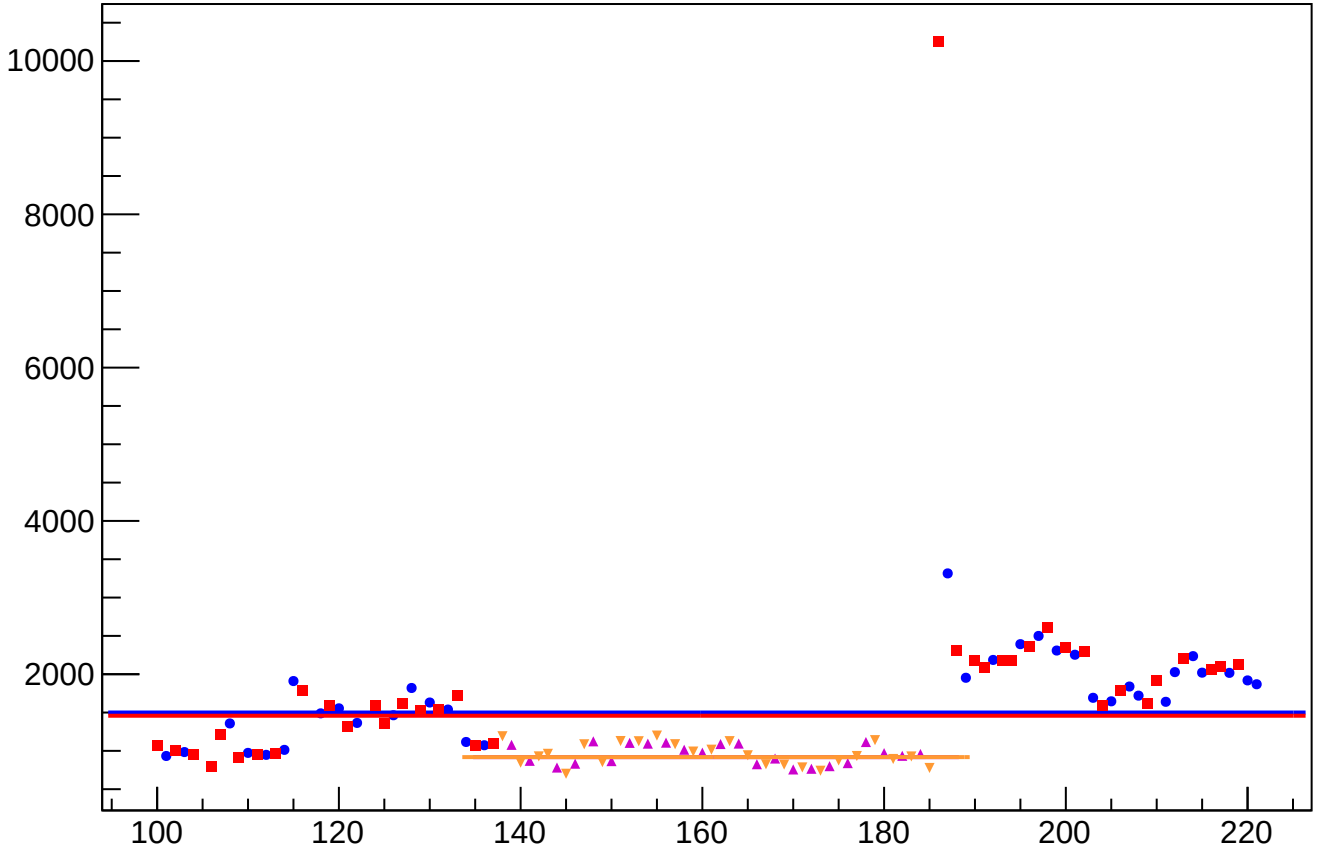
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -1064.182+/-179.169 χ^2/NDF: 109.9/58

All: -867.150+/-127.891 χ^2/NDF: 234.4/118

- sign -662.473+/-182.611 χ^2/NDF: 122.1/59

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1500.360+/-0.238 χ^2/NDF: 3972927.7/33

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1458.290+/-0.239 χ^2/NDF: 5330116.8/36

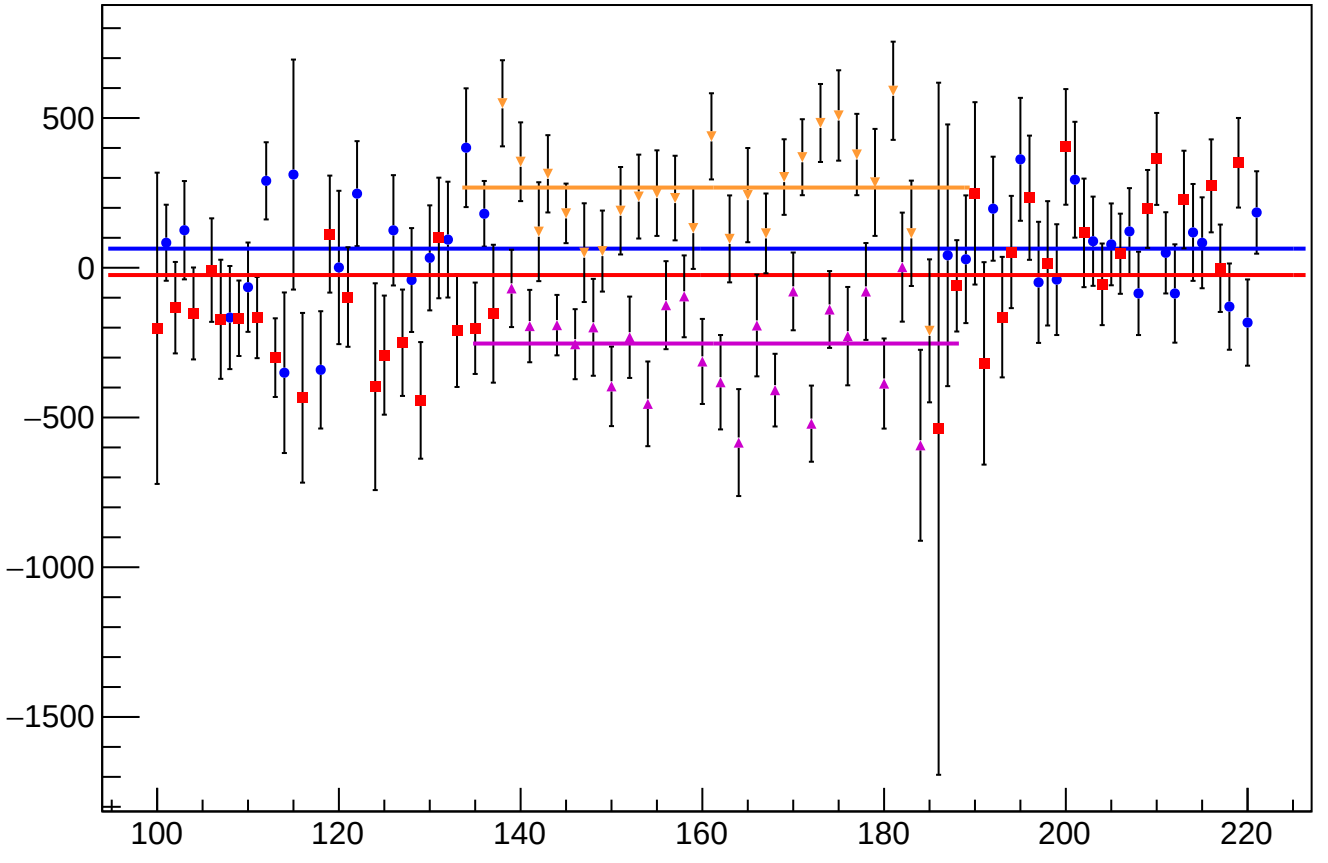
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1083.955+/-0.127 χ^2/NDF: 9153113.3/58

All: 1080.253+/-0.090 χ^2/NDF: 18774440.9/1

- sign 1076.408+/-0.129 χ^2/NDF: 9619587.4/59

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 63.810+/-28.303 χ^2/NDF: 31.2/33

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -24.349+/-28.791 χ^2/NDF: 55.2/36

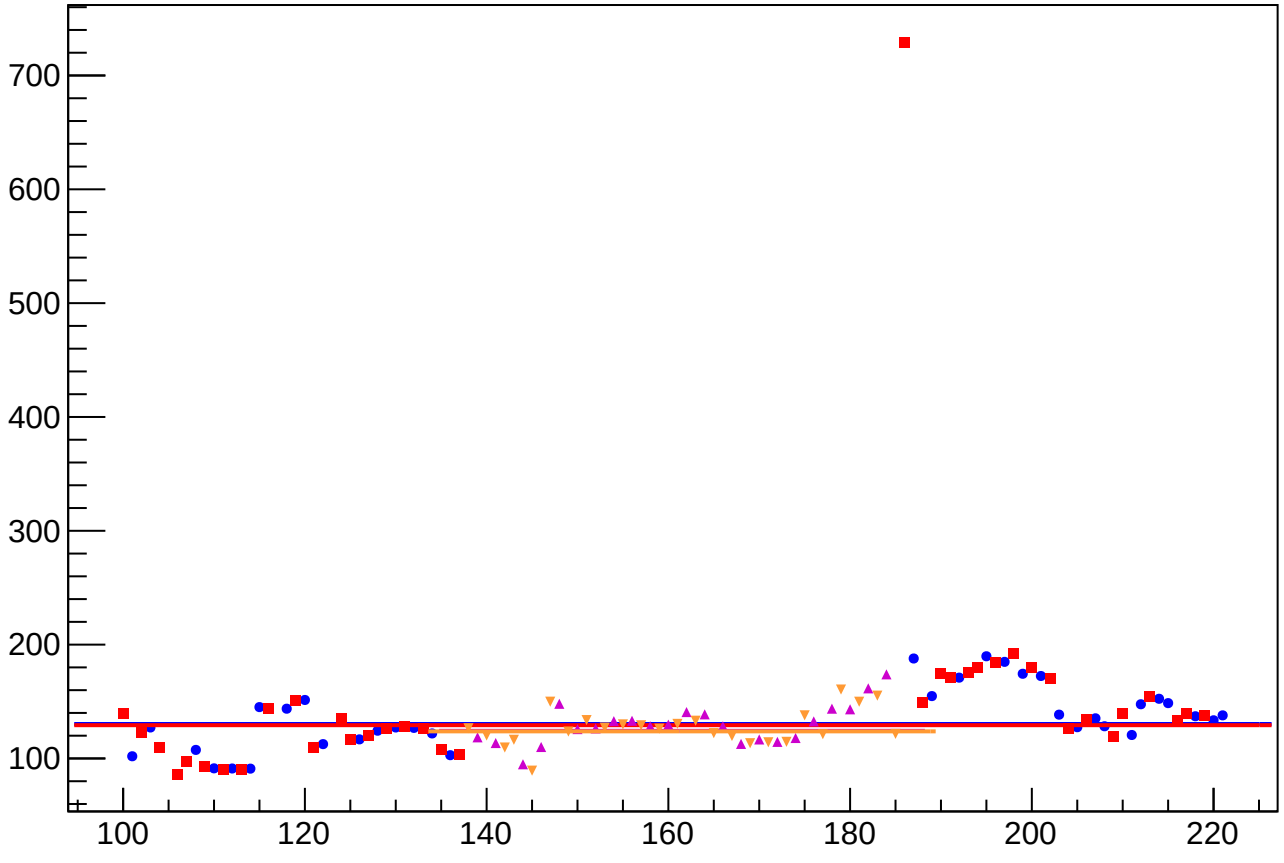
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 165.426+/-20.050 χ^2/NDF: 88.0/58

All: 18.038+/-14.348 χ^2/NDF: 311.2/118

- sign -136.645+/-20.540 χ^2/NDF: 112.4/59

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 130.264+/-0.020 χ^2/NDF: 1502287.4/33

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

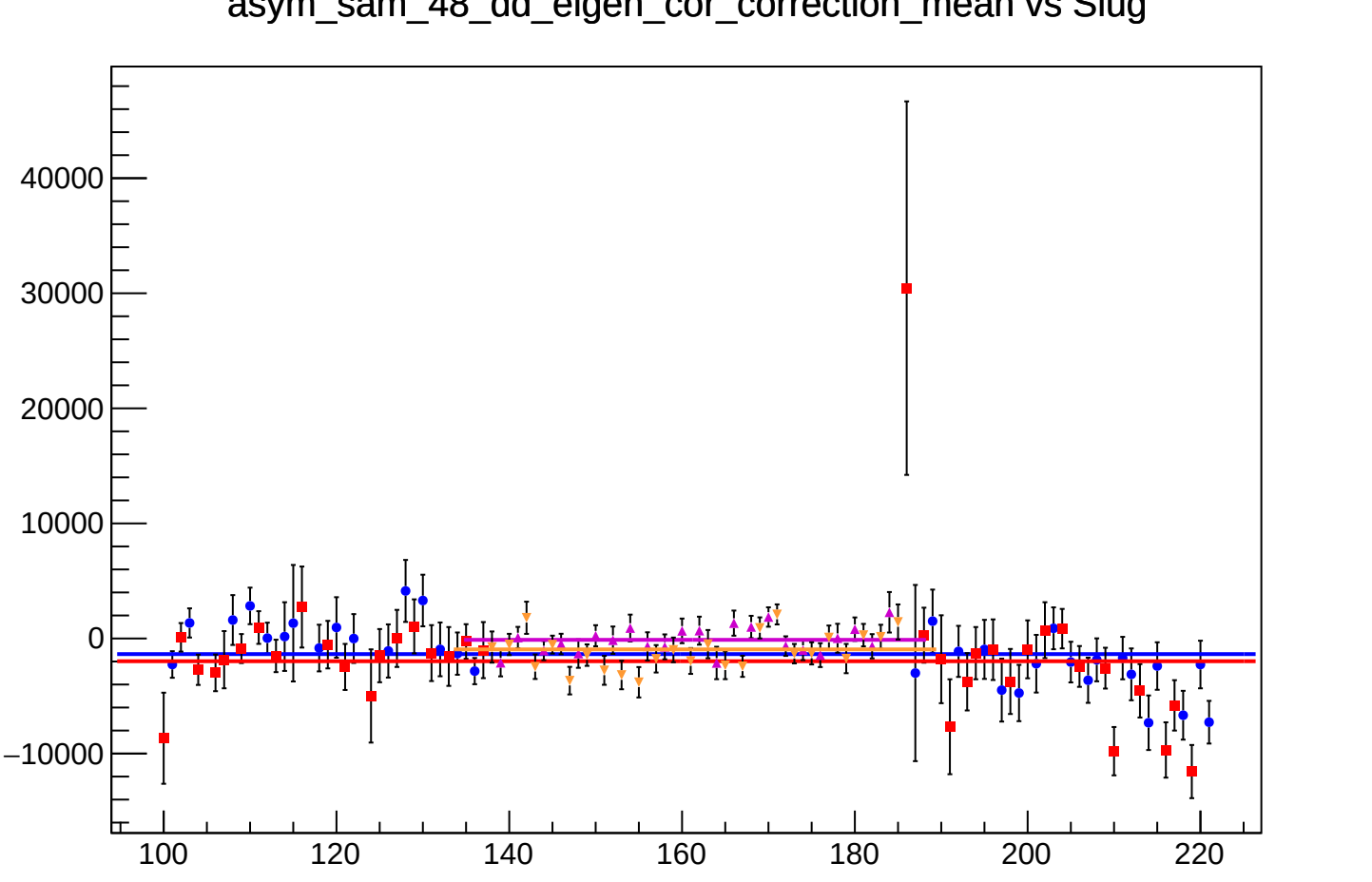
Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 127.047+/-0.014 χ^2/NDF: 2152575.7/58

All: 126.922+/-0.010 χ^2/NDF: 5149939.1/118

- sign 126.790+/-0.015 χ^2/NDF: 2997202.4/59



Right In: -1357.317+/-335.996 χ^2/NDF: 58.5/33

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

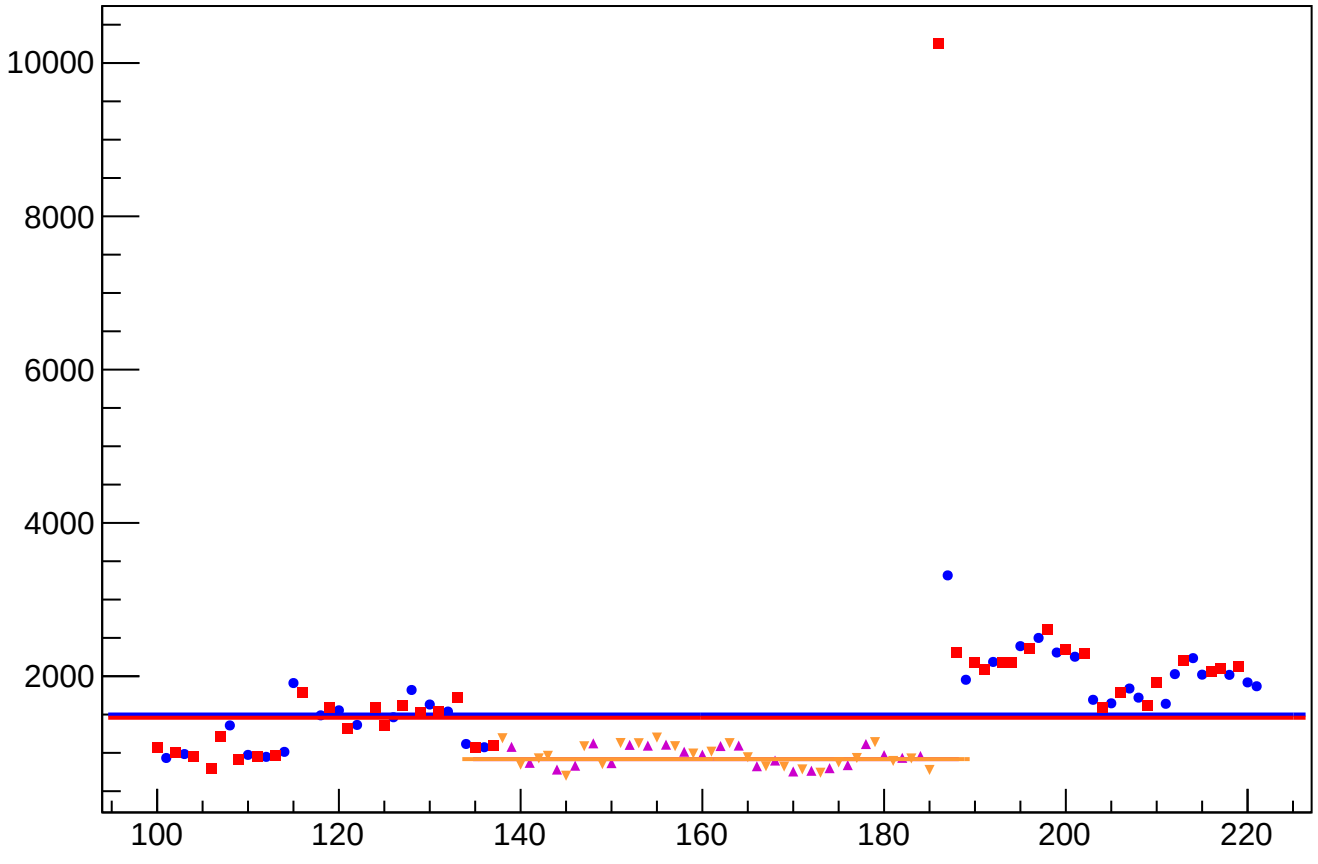
Right Out: -1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -1064.182+/-179.169 χ^2/NDF: 109.9/58

All: -867.150+/-127.891 χ^2/NDF: 234.4/118

- sign -662.473+/-182.611 χ^2/NDF: 122.1/59



Right In: 1500.360+/-0.238 χ^2/NDF: 3972927.7/33

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1458.290+/-0.239 χ^2/NDF: 5330116.8/36

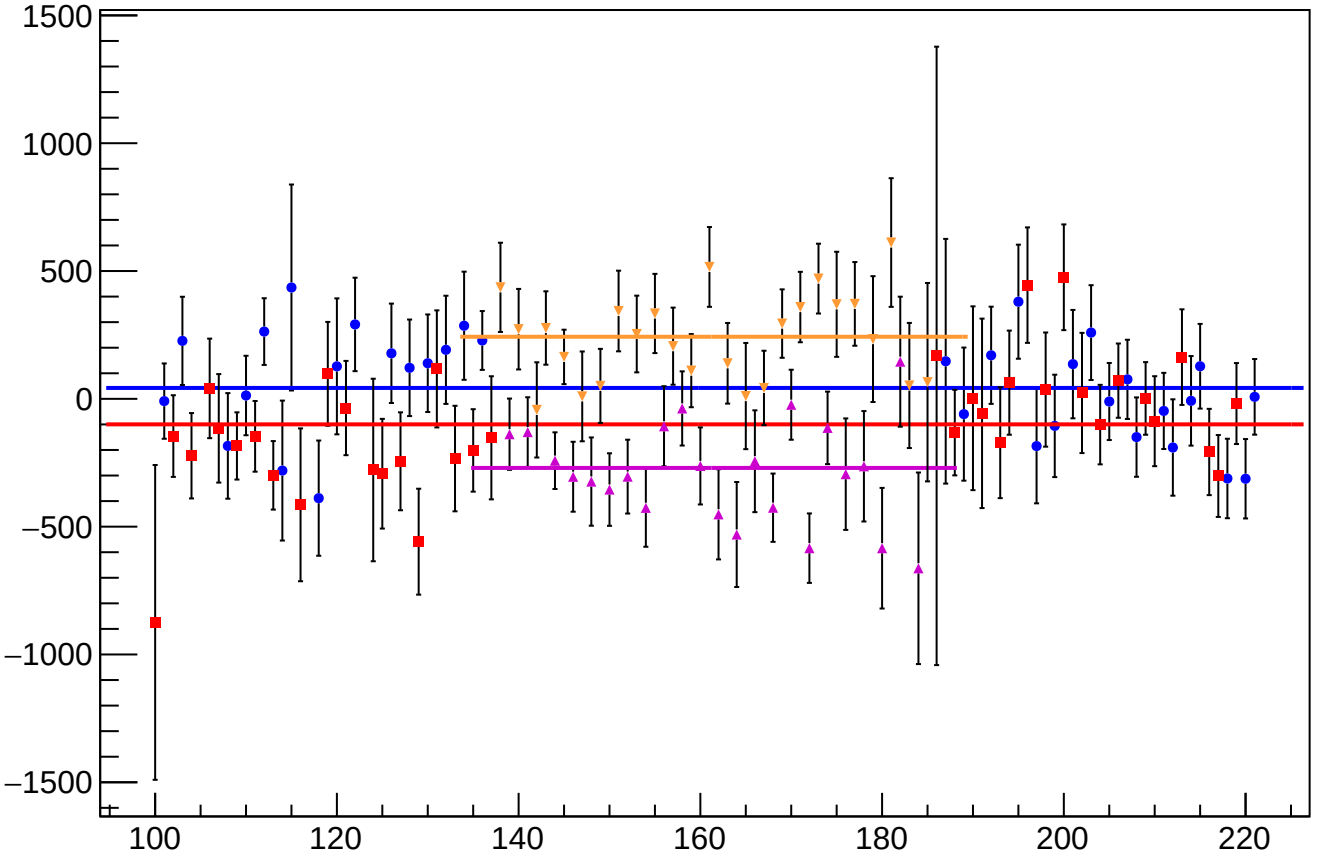
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1083.955+/-0.127 χ^2/NDF: 9153113.3/58

All: 1080.253+/-0.090 χ^2/NDF: 18774440.9/1

- sign 1076.408+/-0.129 χ^2/NDF: 9619587.4/59

dit_asym_sam_48_dd_mean vs Slug



Right In: 42.672+/-30.865 χ^2/NDF: 39.2/33

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -99.835+/-31.215 χ^2/NDF: 37.2/36

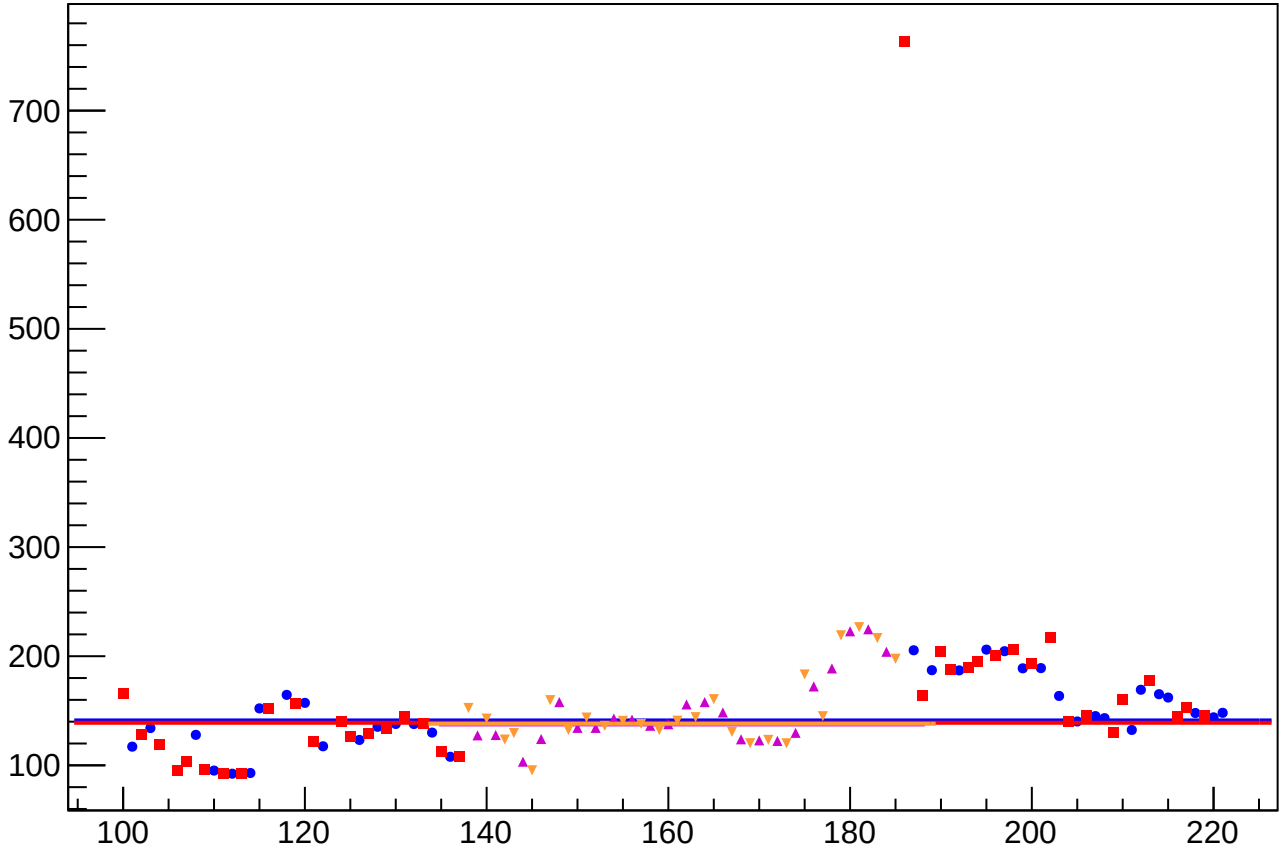
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 138.736+/-22.262 χ^2/NDF: 83.0/58

All: -18.214+/-15.874 χ^2/NDF: 262.2/118

- sign -180.582+/-22.642 χ^2/NDF: 78.1/59

dit_asym_sam_48_dd_rms vs Slug



Right In: 141.150+/-0.022 χ^2/NDF: 1760278.6/33

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

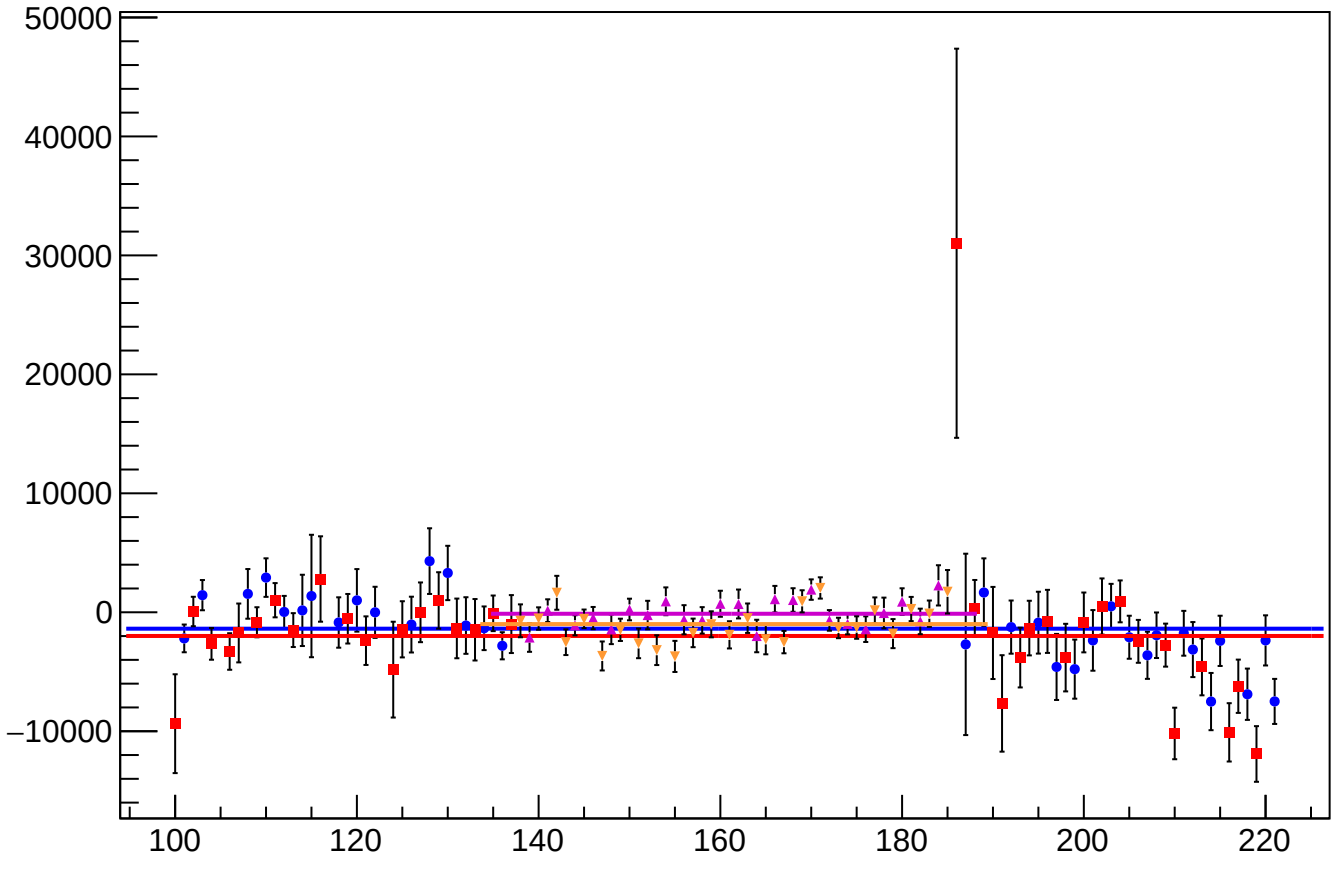
Right Out: 138.994+/-0.022 χ^2/NDF: 2784652.0/36

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 139.700+/-0.016 χ^2/NDF: 3107789.6/58

All: 139.003+/-0.011 χ^2/NDF: 7007958.4/118

- sign 138.282+/-0.016 χ^2/NDF: 3896181.9/59



Right In: -1379.626+/-340.439 χ^2/NDF: 59.0/33

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1991.627+/-340.145 χ^2/NDF: 79.6/36

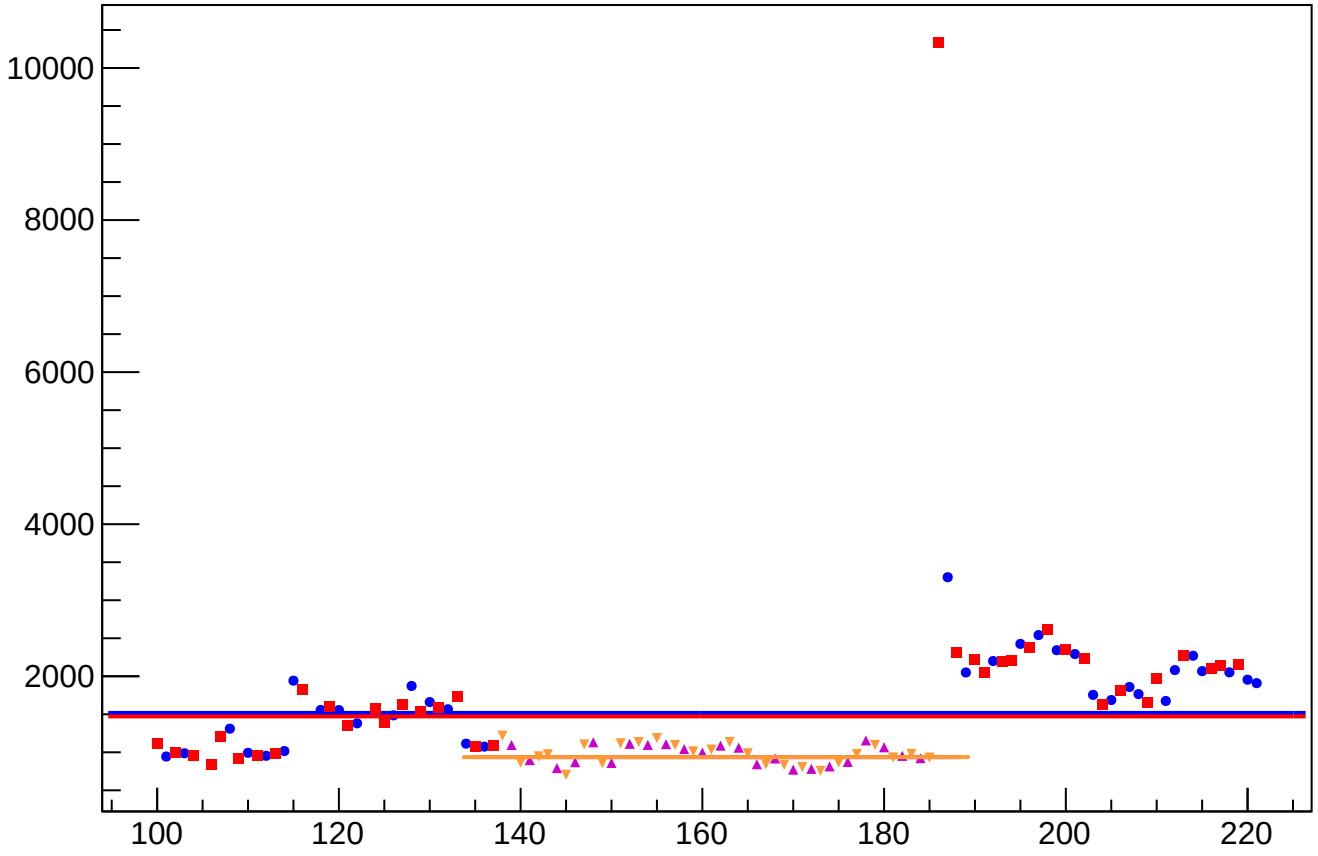
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -1103.882+/-182.177 χ^2/NDF: 106.8/58

All: -895.945+/-129.990 χ^2/NDF: 234.1/118

- sign -680.271+/-185.536 χ^2/NDF: 124.6/59

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1518.083+/-0.241 χ^2/NDF: 4118221.3/33

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1471.926+/-0.241 χ^2/NDF: 5356921.8/36

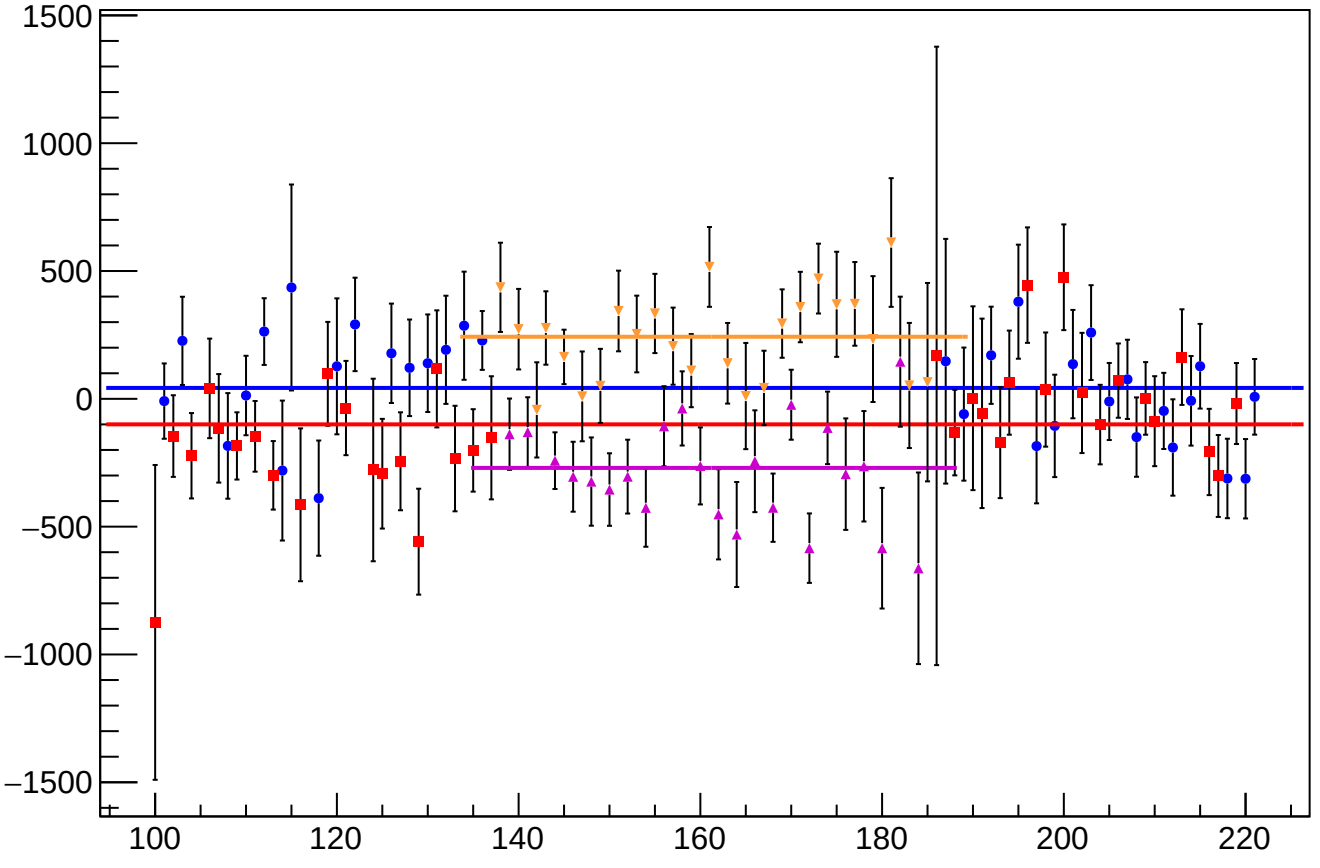
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1103.215+/-0.129 χ^2/NDF: 9112564.6/58

All: 1099.536+/-0.092 χ^2/NDF: 18596665.5/1

- sign 1095.720+/-0.131 χ^2/NDF: 9482439.2/59

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 42.675+/-30.865 χ^2/NDF: 39.2/33

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -99.833+/-31.215 χ^2/NDF: 37.2/36

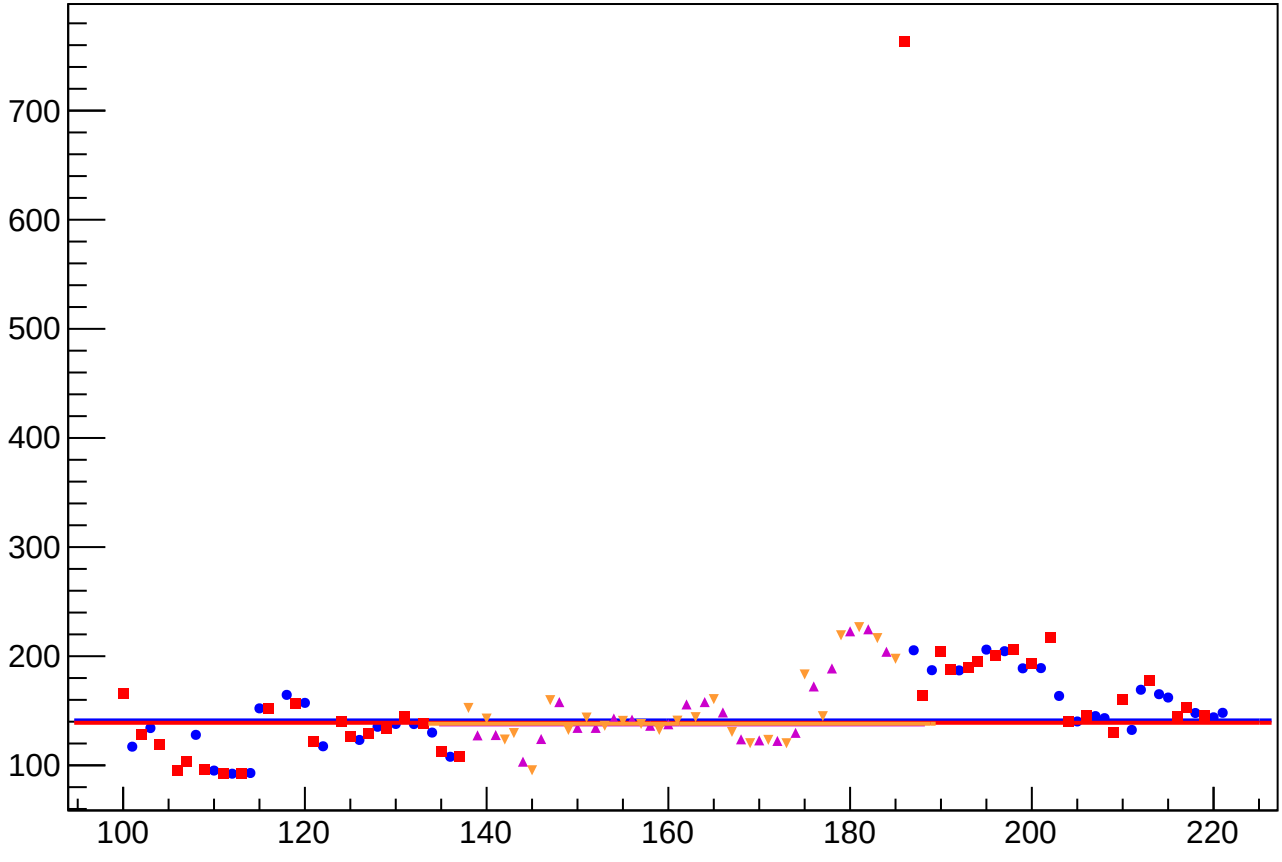
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 138.739+/-22.261 χ^2/NDF: 83.0/58

All: -18.213+/-15.874 χ^2/NDF: 262.2/118

- sign -180.581+/-22.642 χ^2/NDF: 78.1/59

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 141.150+/-0.022 χ^2/NDF: 1760258.9/33

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

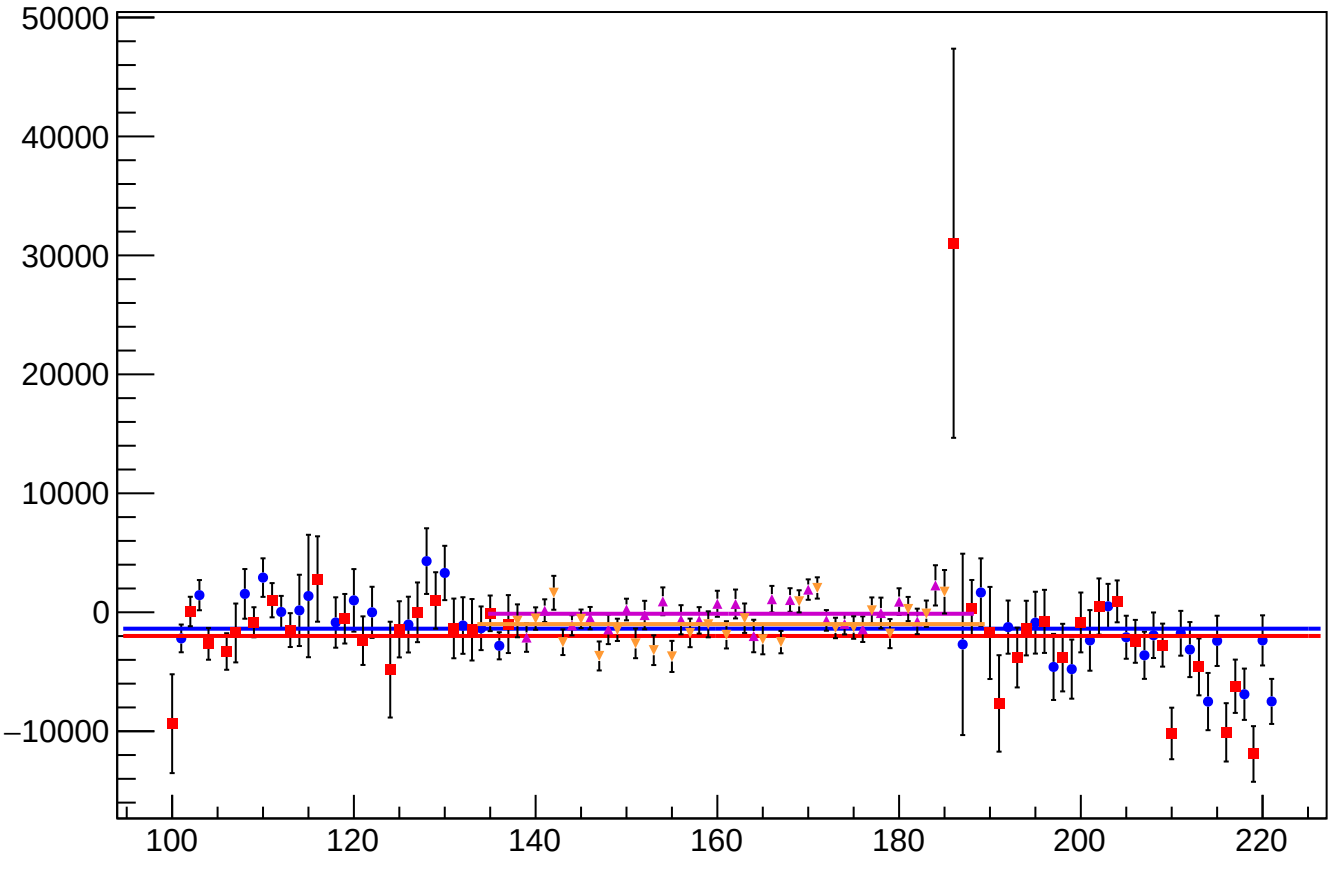
Right Out: 138.994+/-0.022 χ^2/NDF: 2784655.2/36

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 139.700+/-0.016 χ^2/NDF: 3107772.2/58

All: 139.003+/-0.011 χ^2/NDF: 7007930.0/118

- sign 138.282+/-0.016 χ^2/NDF: 3896171.1/59



Right In: -1379.625+/-340.439 χ^2/NDF: 59.0/33

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1991.626+/-340.145 χ^2/NDF: 79.6/36

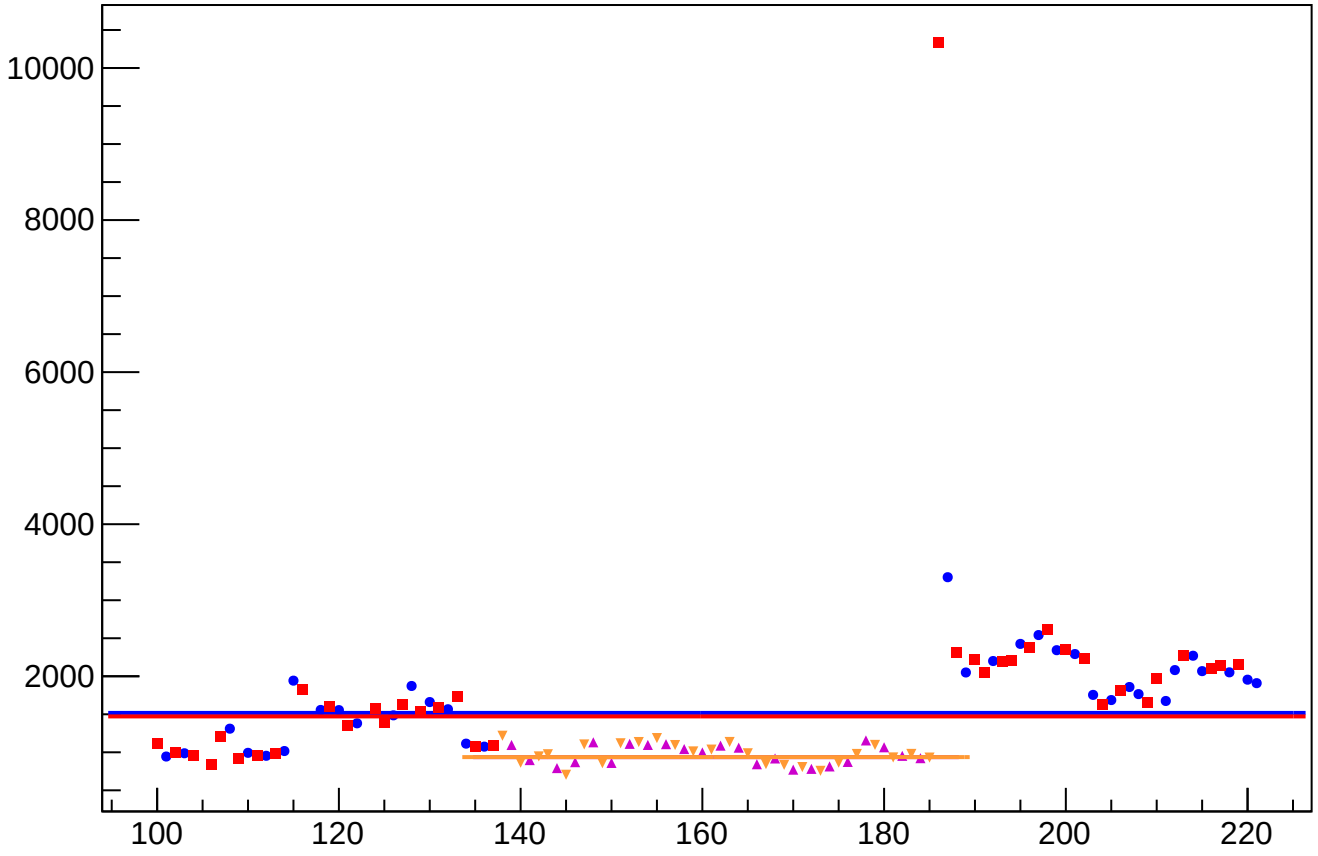
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -1103.881+/-182.177 χ^2/NDF: 106.8/58

All: -895.943+/-129.990 χ^2/NDF: 234.1/118

- sign -680.269+/-185.535 χ^2/NDF: 124.6/59

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1518.082+/-0.241 χ^2/NDF: 4118210.3/33

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

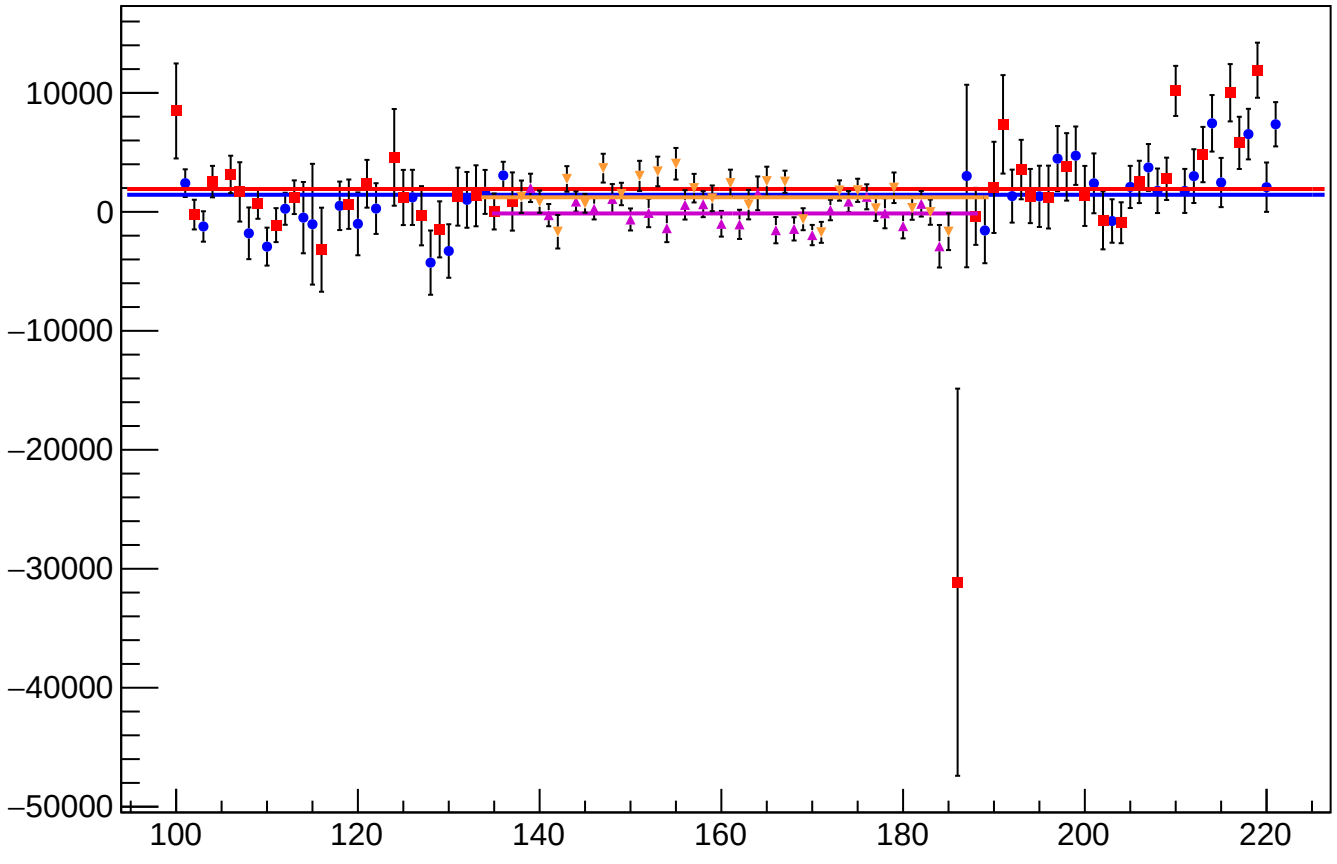
Right Out: 1471.926+/-0.241 χ^2/NDF: 5356912.2/36

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1103.213+/-0.129 χ^2/NDF: 9112569.7/58

All: 1099.534+/-0.092 χ^2/NDF: 18596668.7/1

- sign 1095.719+/-0.131 χ^2/NDF: 9482437.4/59



Right In: 1437.194+/-337.441 χ^2/NDF: 59.0/33

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1921.986+/-338.583 χ^2/NDF: 81.9/36

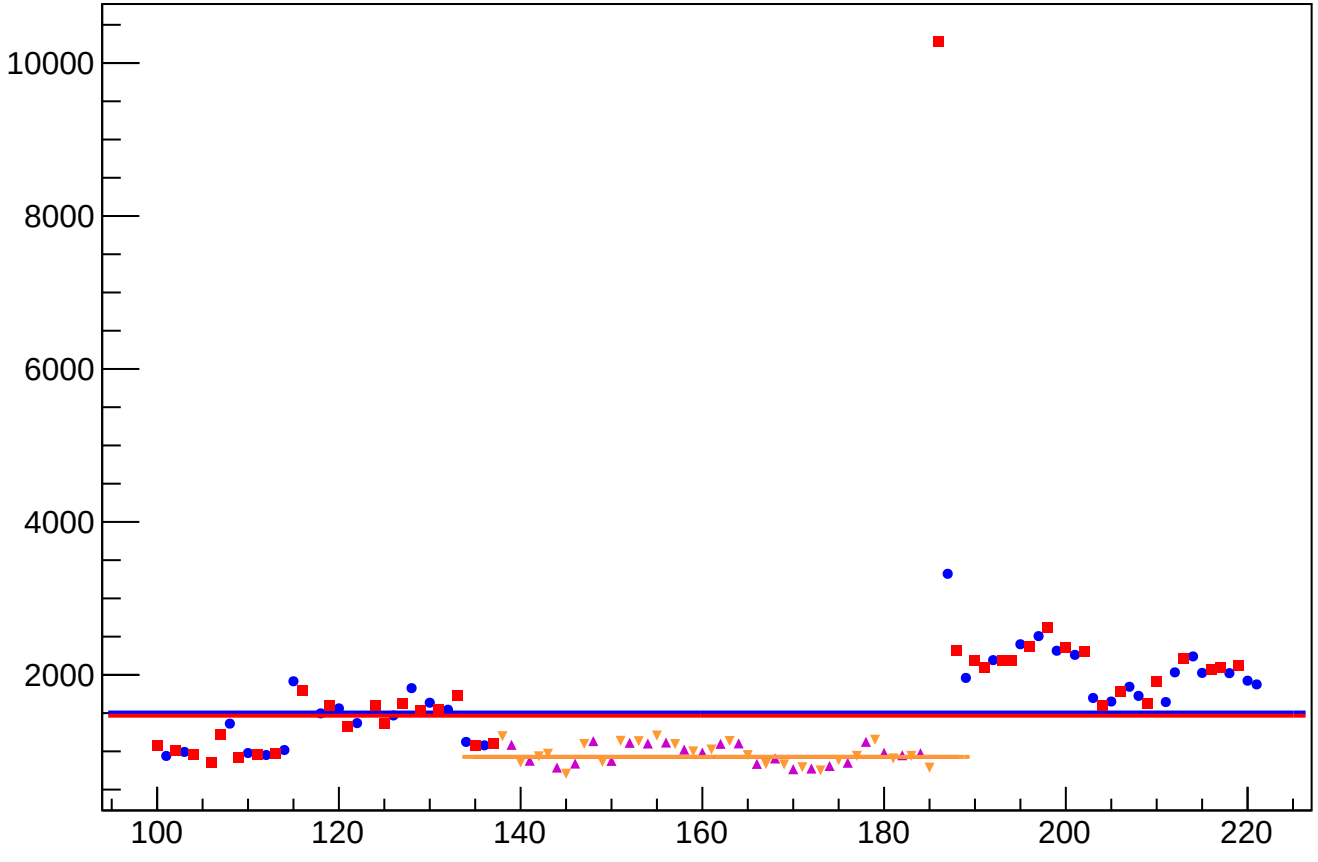
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1286.171+/-180.627 χ^2/NDF: 107.8/58

All: 887.881+/-128.916 χ^2/NDF: 251.4/118

- sign 474.349+/-184.051 χ^2/NDF: 133.7/59

asym_sam_48_dd_rms vs Slug



Right In: 1507.468+/-0.239 χ^2/NDF: 3939200.3/33

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1466.464+/-0.239 χ^2/NDF: 5257398.8/36

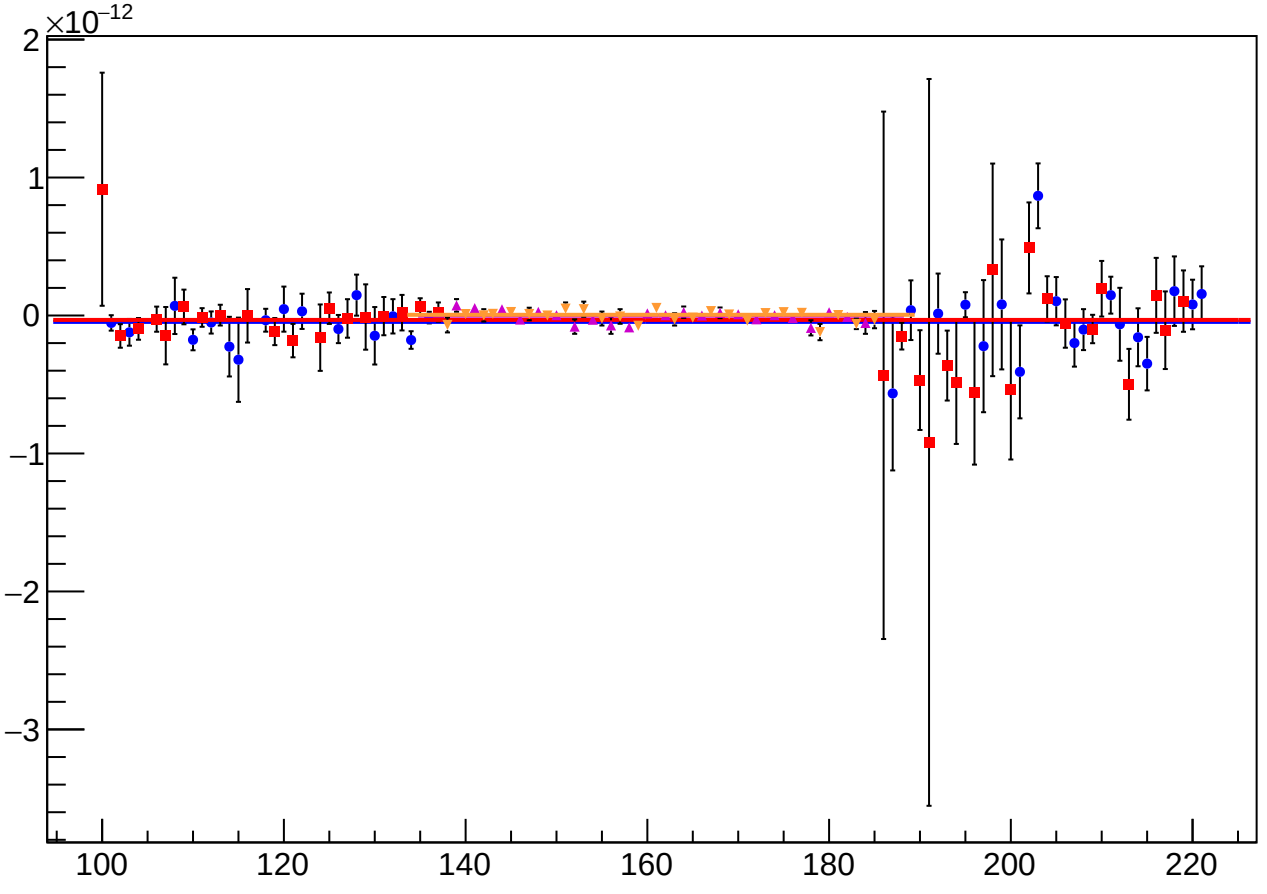
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1093.756+/-0.128 χ^2/NDF: 9027926.2/58

All: 1090.262+/-0.091 χ^2/NDF: 18516064.6/1

- sign 1086.633+/-0.130 χ^2/NDF: 9486612.5/59

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

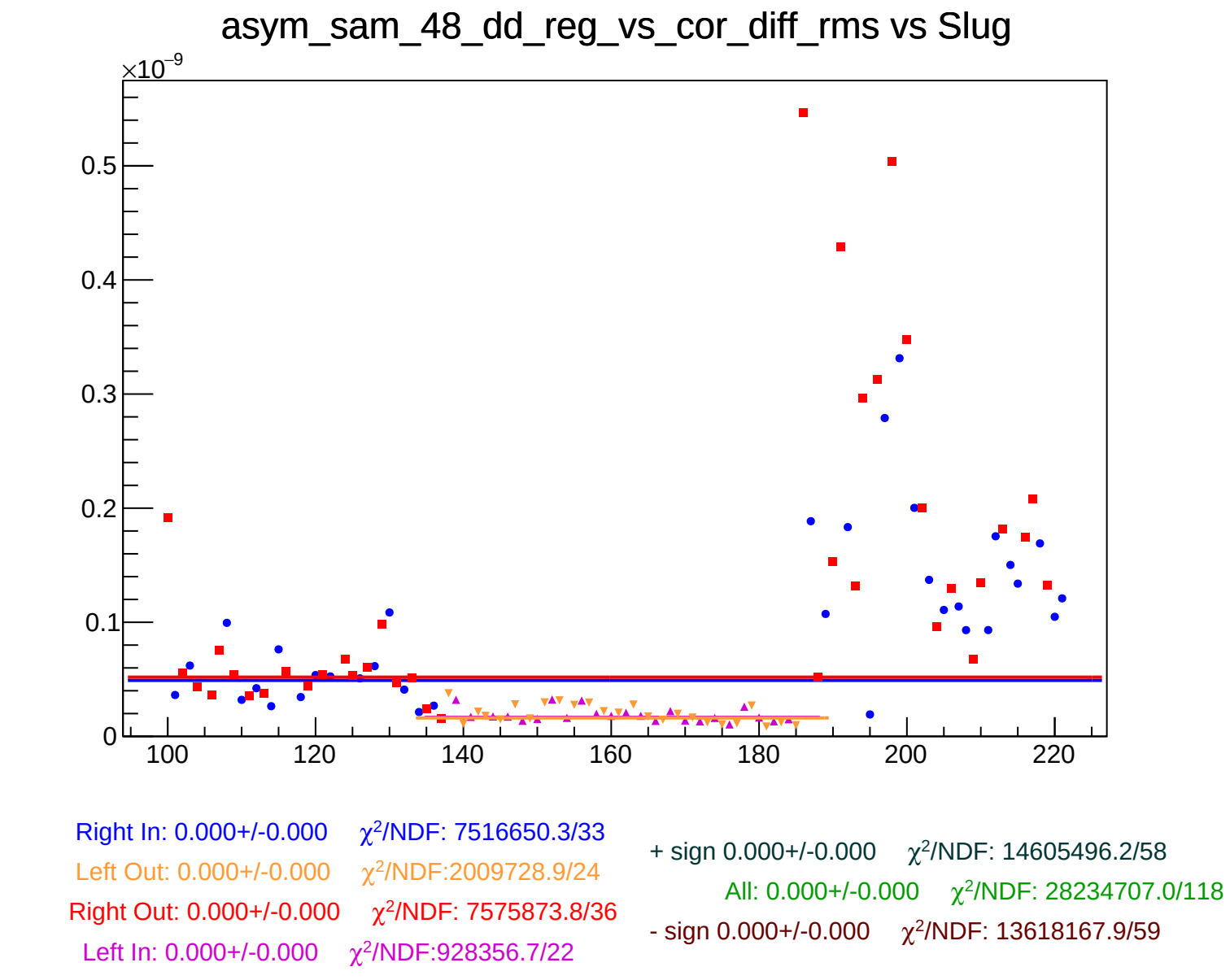
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/36

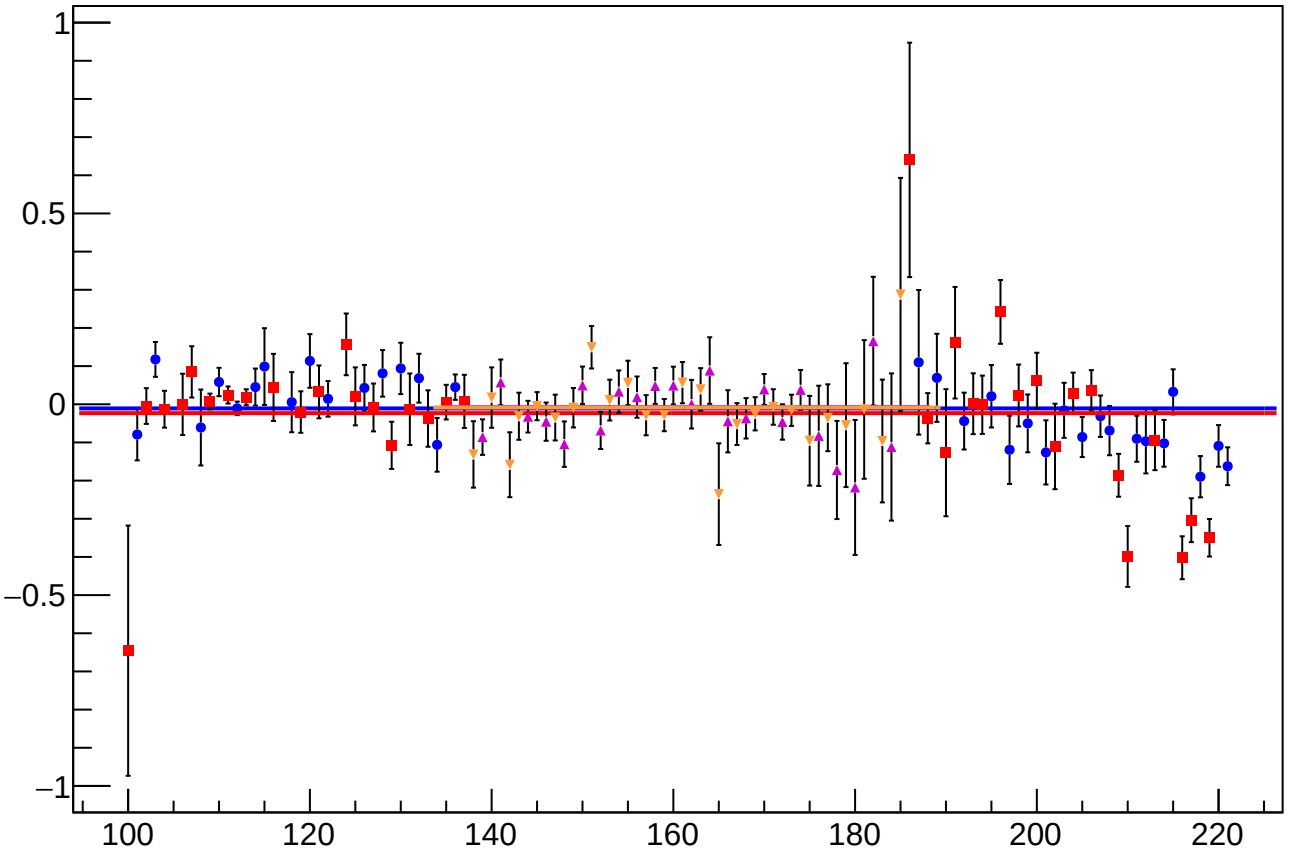
Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.9/58

All: -0.000+/-0.000 χ^2/NDF: 131.8/118

- sign -0.000+/-0.000 χ^2/NDF: 58.6/59


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7516650.3/33
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7575873.8/36
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
+ sign 0.000+/-0.000 χ²/NDF: 14605496.2/58
All: 0.000+/-0.000 χ²/NDF: 28234707.0/118
- sign 0.000+/-0.000 χ²/NDF: 13618167.9/59



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

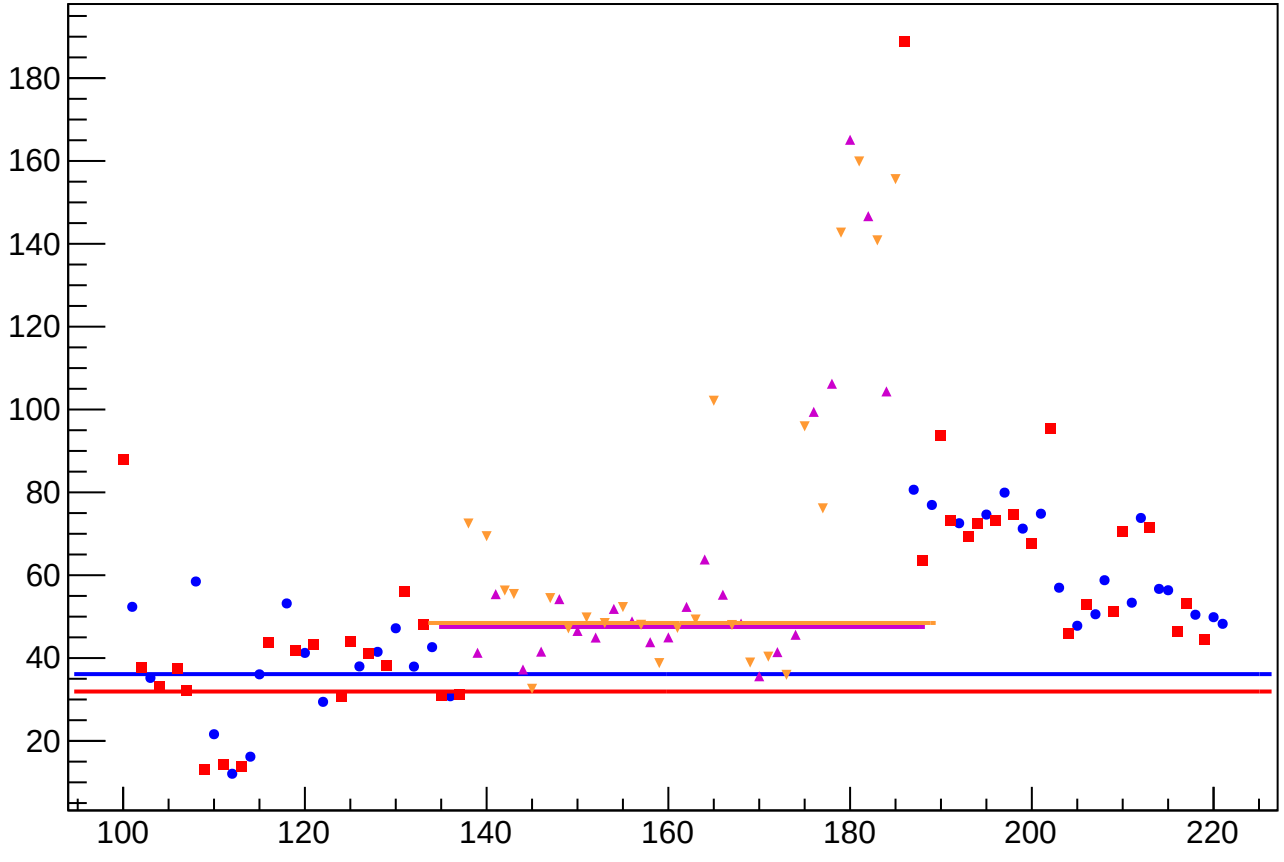
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.014+/-0.005 χ^2/NDF: 308.1/118

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.124+/-0.006 χ^2/NDF: 9507030.2/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

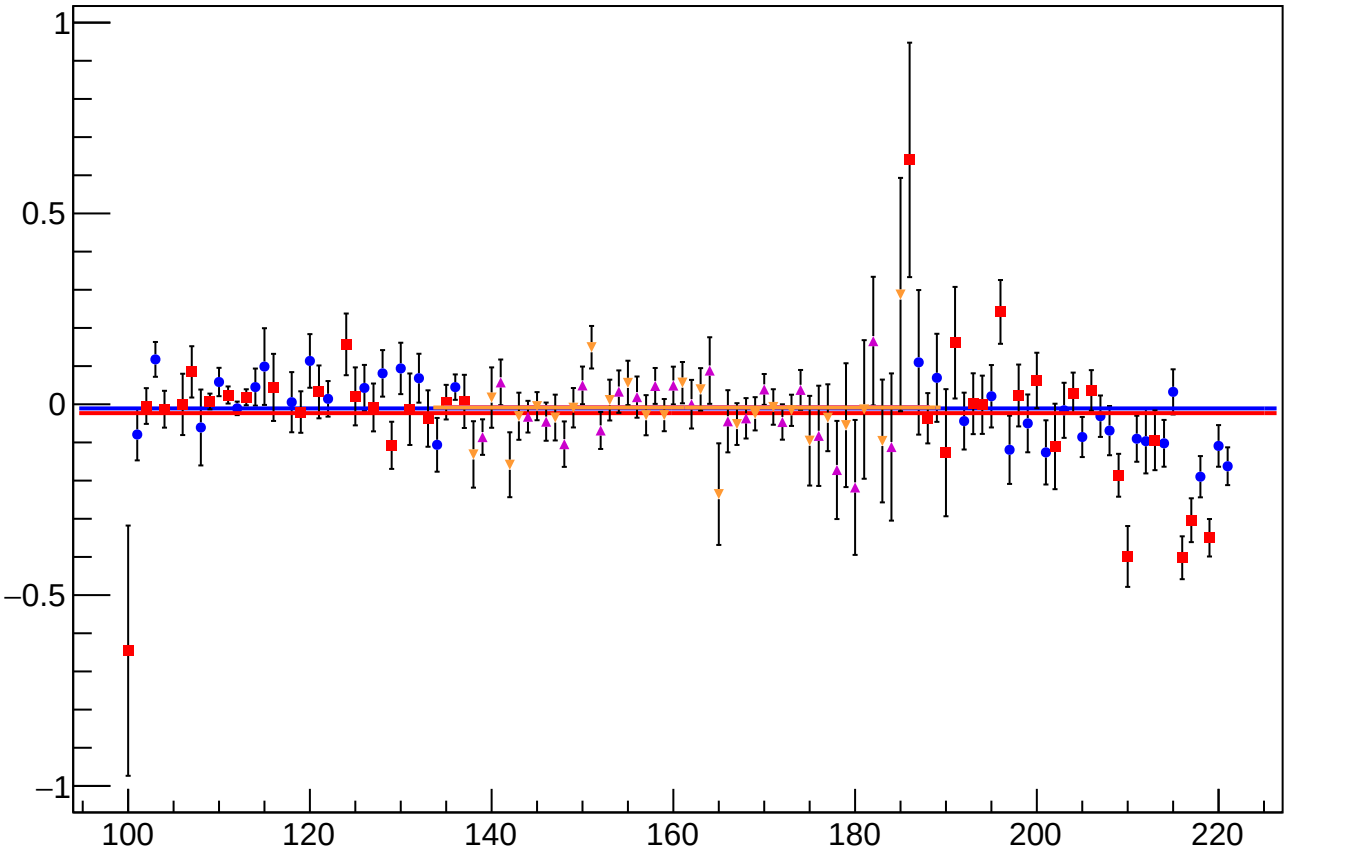
Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.594+/-0.005 χ^2/NDF: 15230128.9/58

All: 38.756+/-0.004 χ^2/NDF: 32551534.7/118

- sign 37.072+/-0.005 χ^2/NDF: 17073399.5/59



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

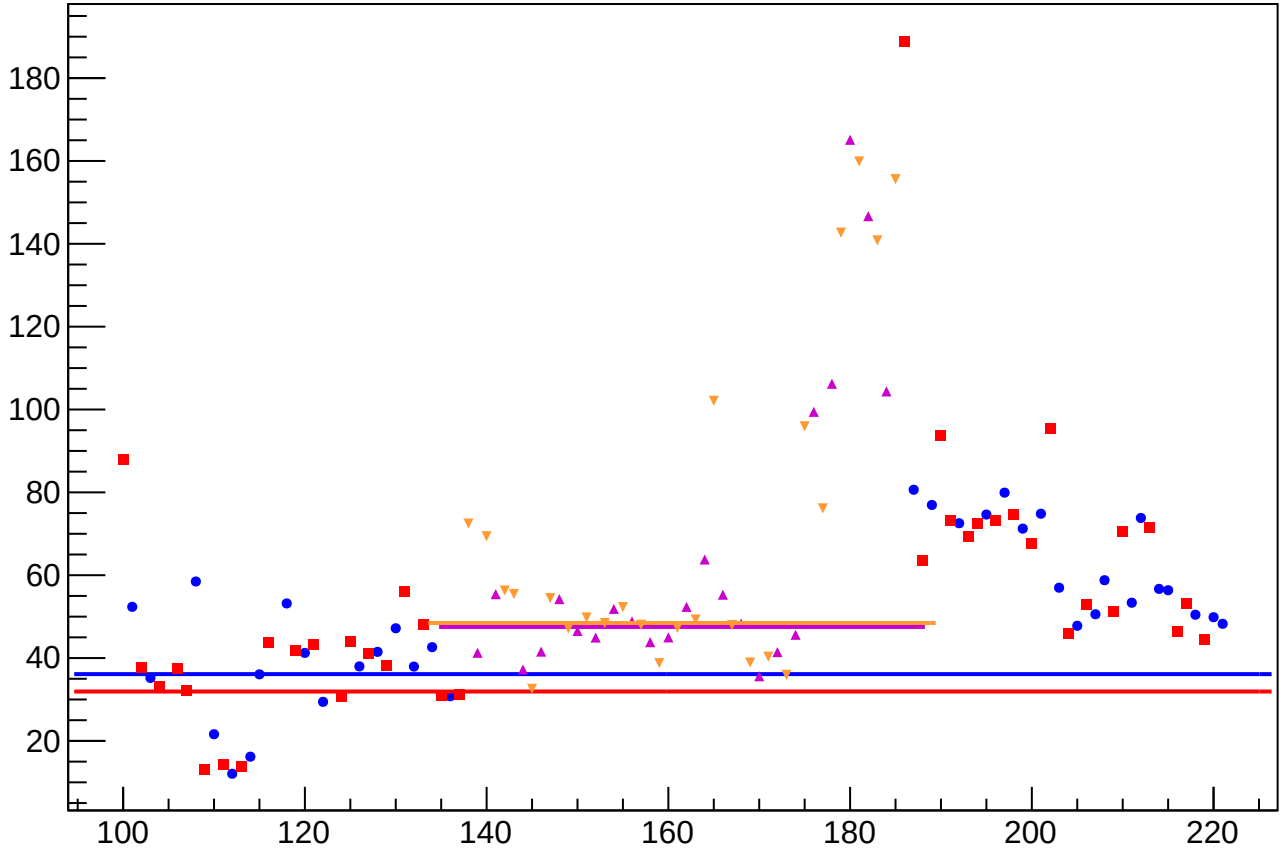
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.014+/-0.005 χ^2/NDF: 308.1/118

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.124+/-0.006 χ^2/NDF: 9507030.2/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

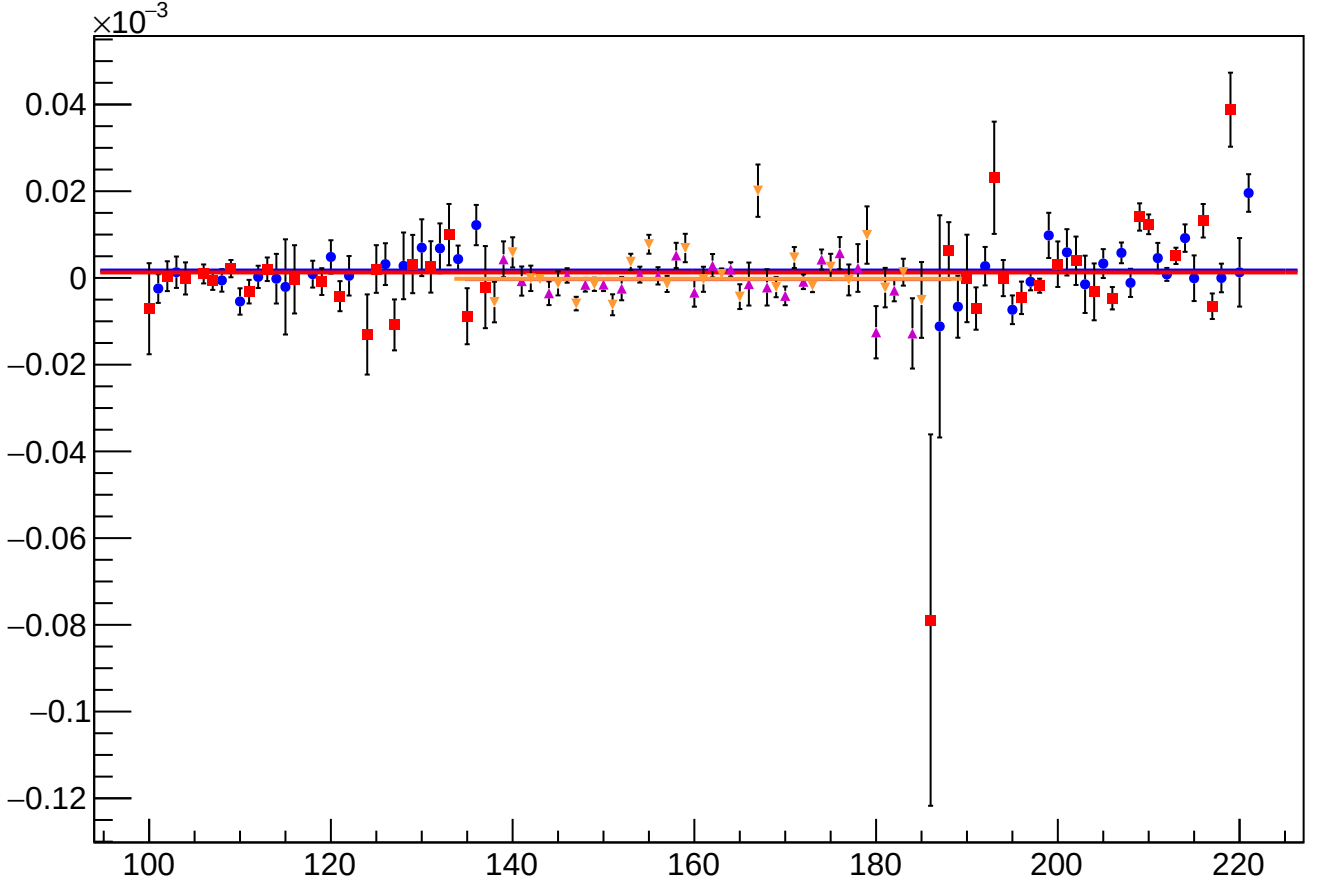
Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.594+/-0.005 χ^2/NDF: 15230128.9/58

All: 38.756+/-0.004 χ^2/NDF: 32551534.7/118

- sign 37.072+/-0.005 χ^2/NDF: 17073399.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 58.6/33

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 120.9/36

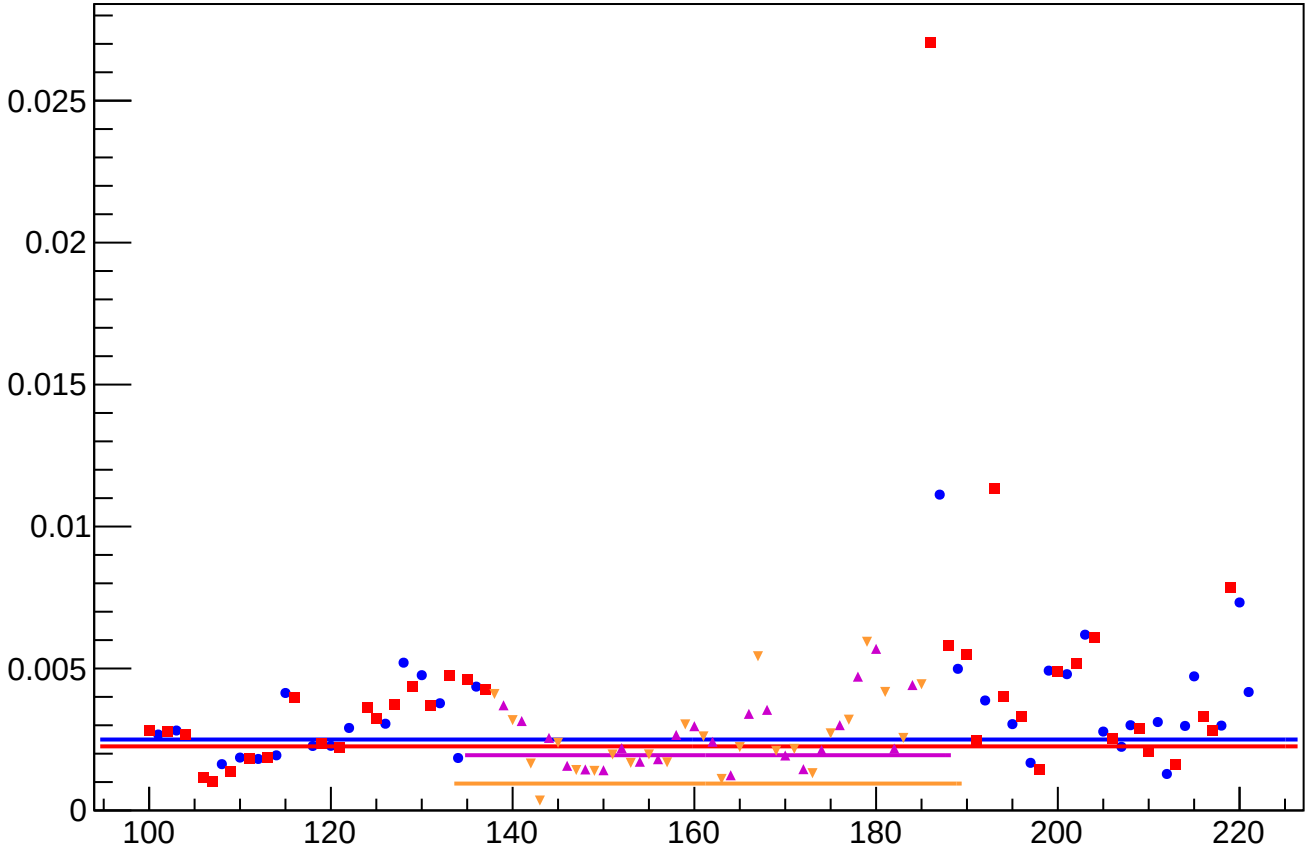
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 138.4/58

All: 0.000+/-0.000 χ^2/NDF: 294.5/118

- sign 0.000+/-0.000 χ^2/NDF: 156.0/59

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7031393.4/33

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

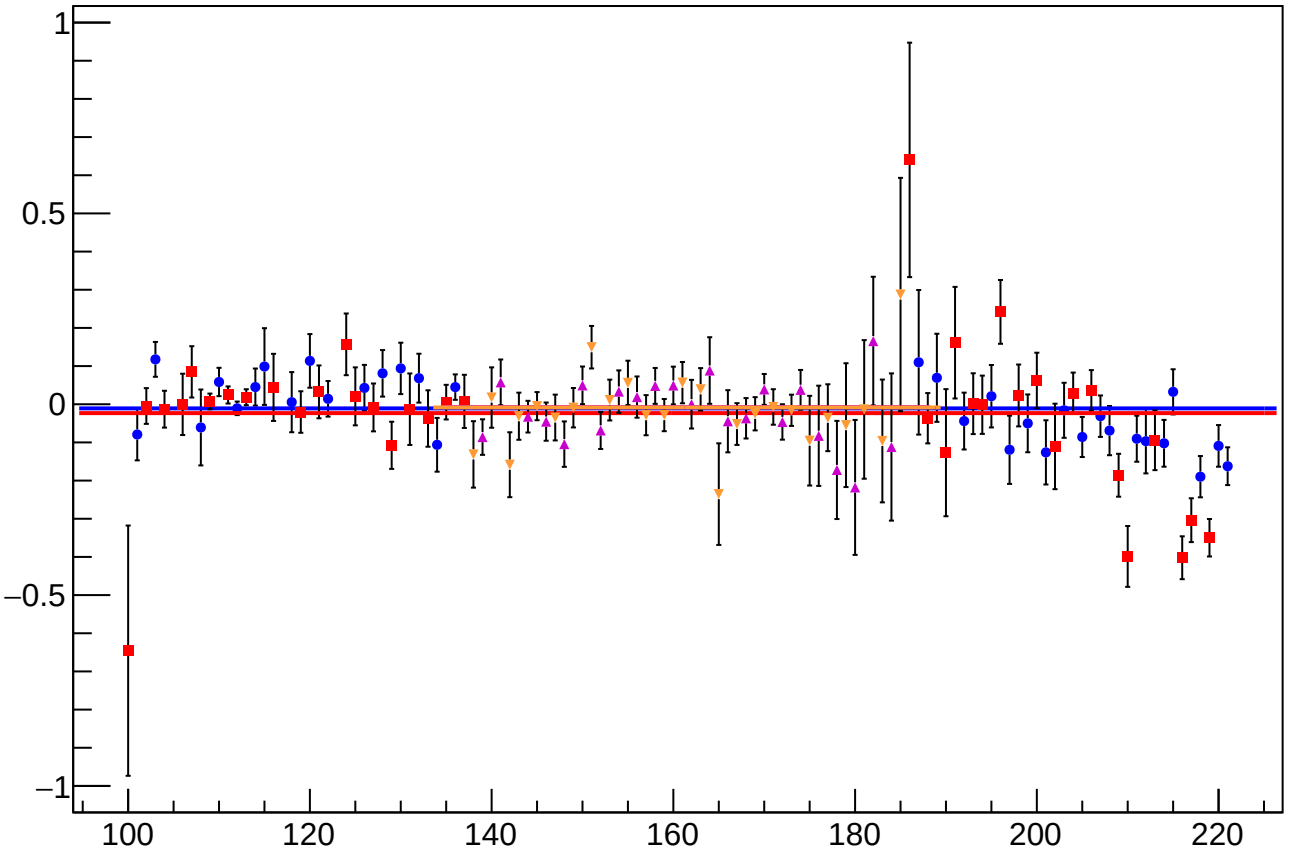
Right Out: 0.002+/-0.000 χ^2/NDF: 9641937.4/36

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 35373879.5/58

All: 0.002+/-0.000 χ^2/NDF: 56079195.7/118

- sign 0.002+/-0.000 χ^2/NDF: 14345938.1/59



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

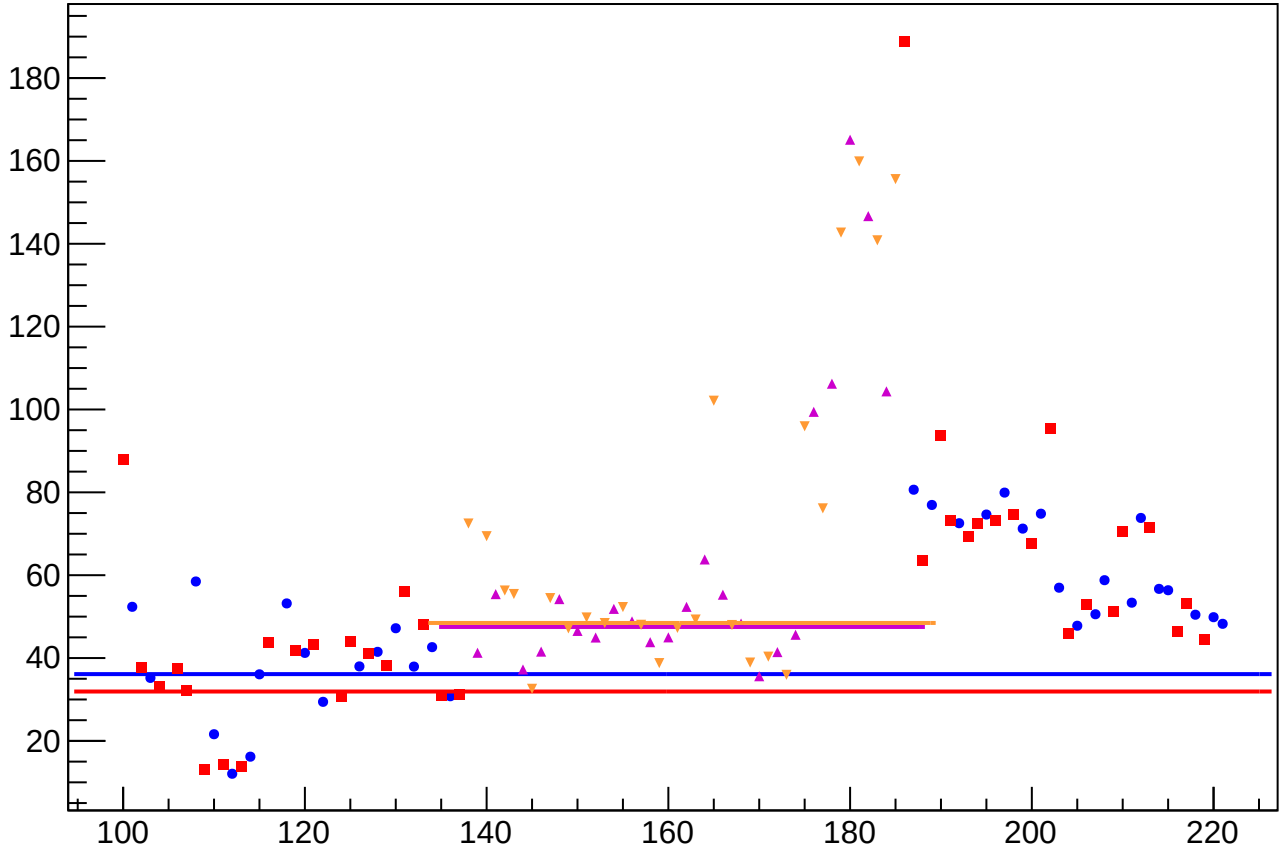
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.014+/-0.005 χ^2/NDF: 308.1/118

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 36.122+/-0.006 χ^2/NDF: 9507900.0/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

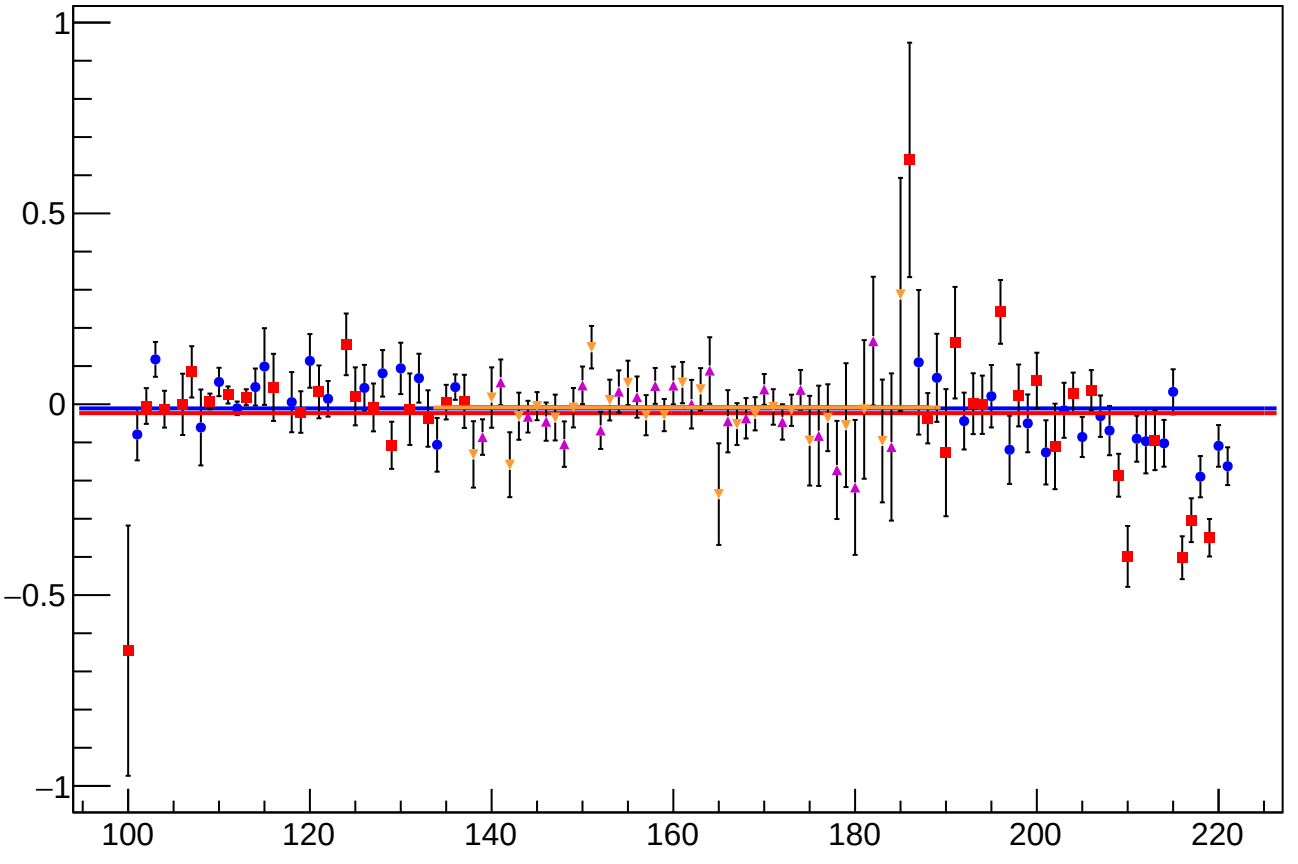
Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.593+/-0.005 χ^2/NDF: 15231340.8/58

All: 38.756+/-0.004 χ^2/NDF: 32553081.1/118

- sign 37.071+/-0.005 χ^2/NDF: 17073833.1/59



Right In: -0.011+/-0.009 χ^2/NDF: 67.2/33

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

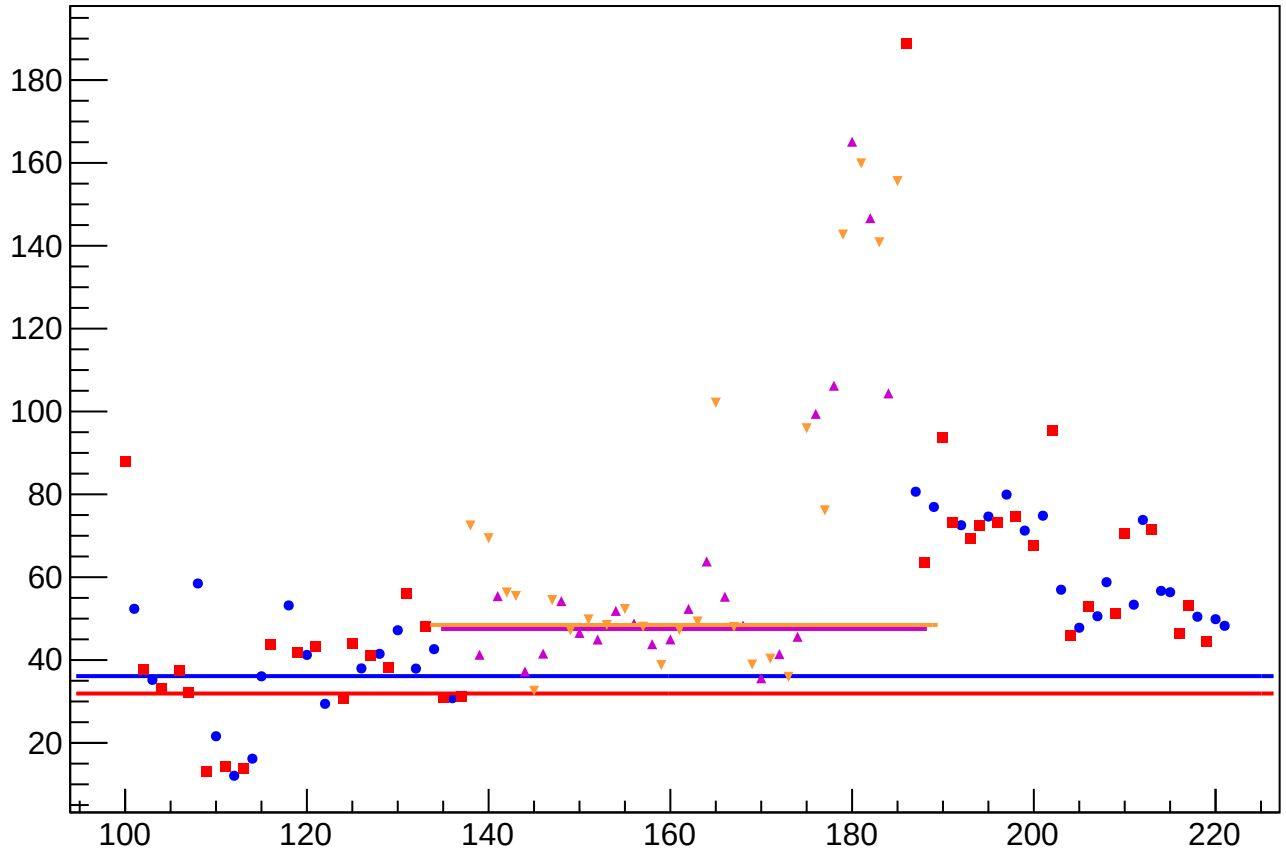
Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.010+/-0.007 χ^2/NDF: 90.4/58

All: -0.014+/-0.005 χ^2/NDF: 308.1/118

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59



Right In: 36.122+/-0.006 χ^2/NDF: 9507900.0/33

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

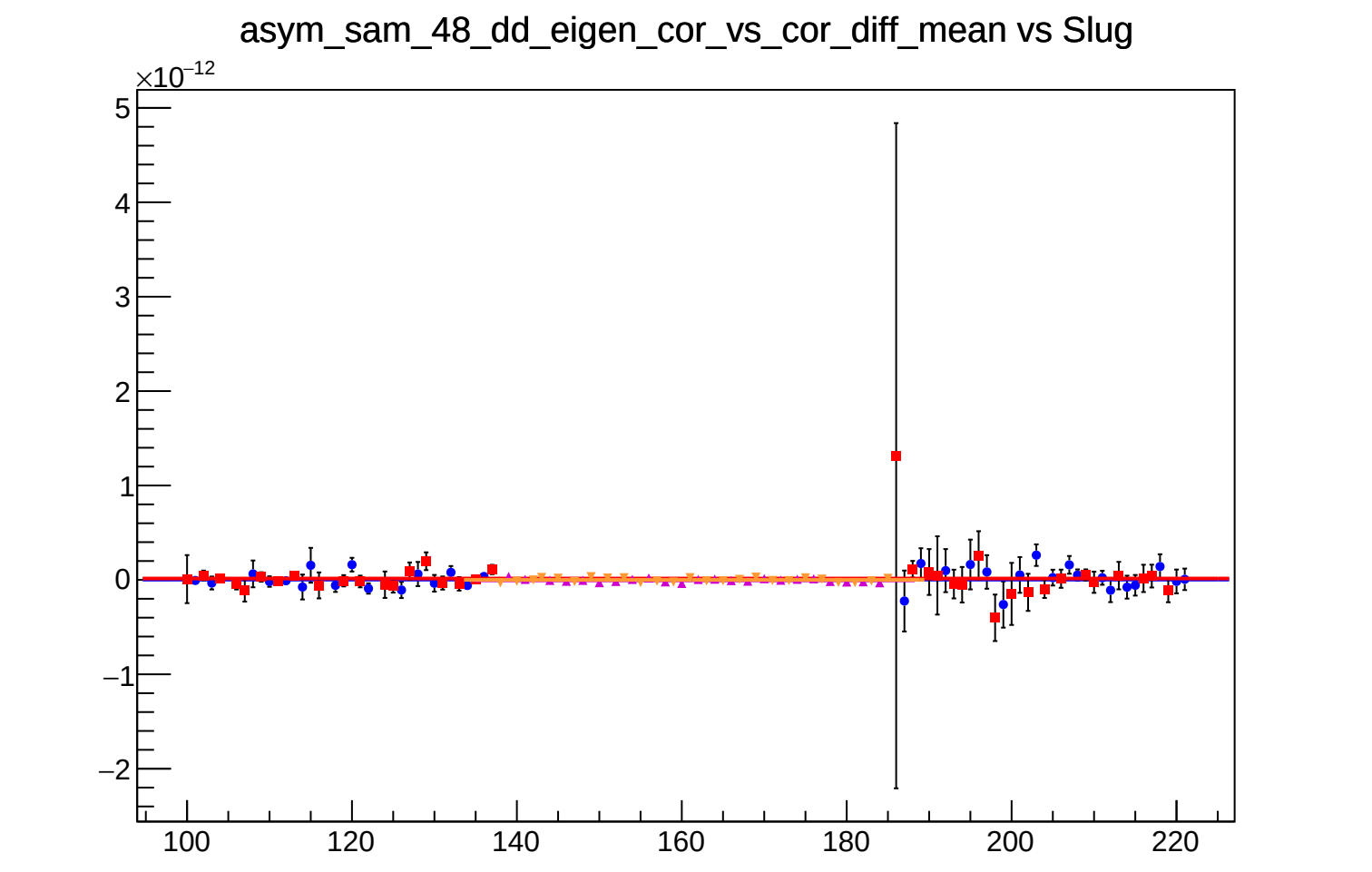
Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.593+/-0.005 χ^2/NDF: 15231340.8/58

All: 38.756+/-0.004 χ^2/NDF: 32553081.1/118

- sign 37.071+/-0.005 χ^2/NDF: 17073833.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

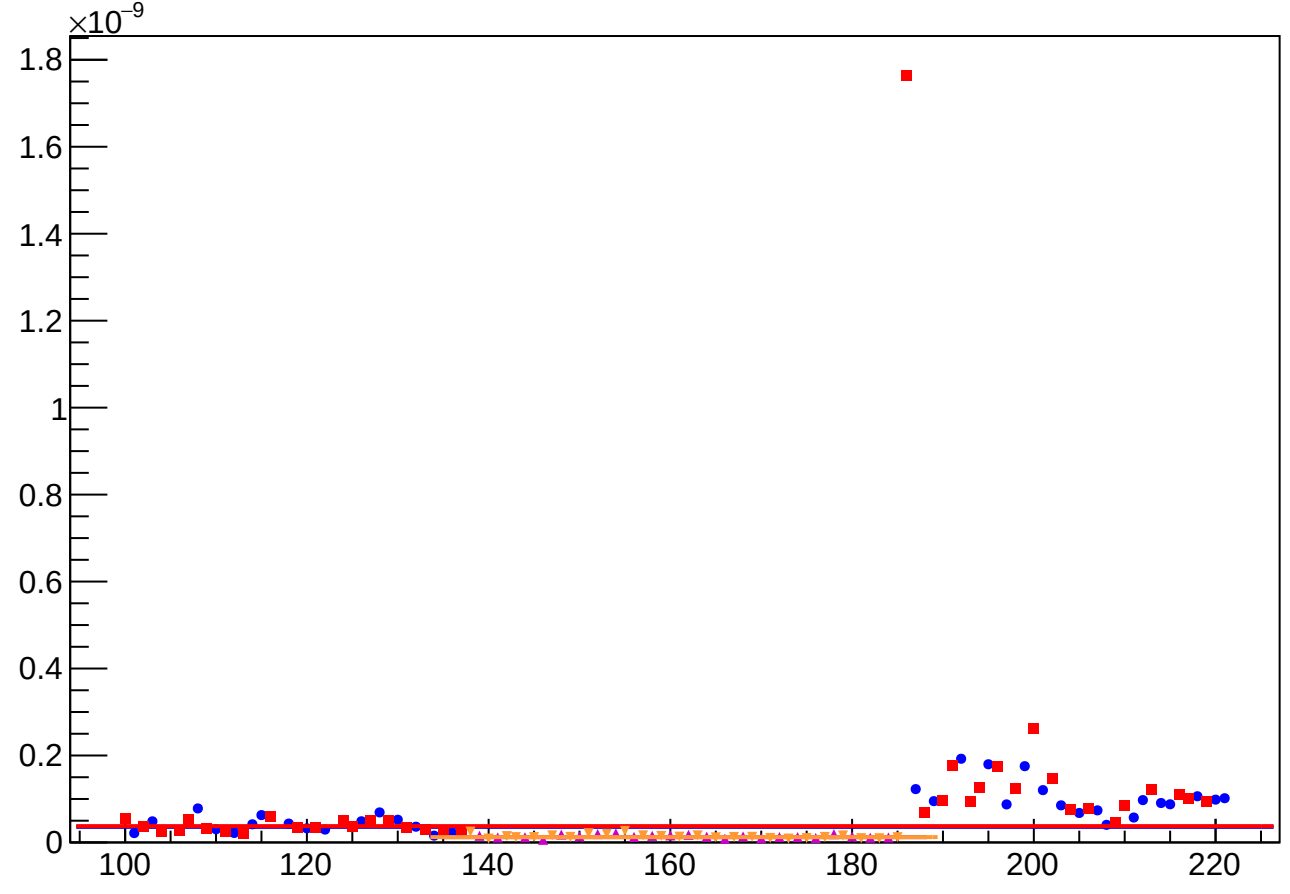
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/36

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/58

All: -0.000+/-0.000 χ^2/NDF: 112.3/118

- sign -0.000+/-0.000 χ^2/NDF: 45.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 10200142.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9100477.8/36

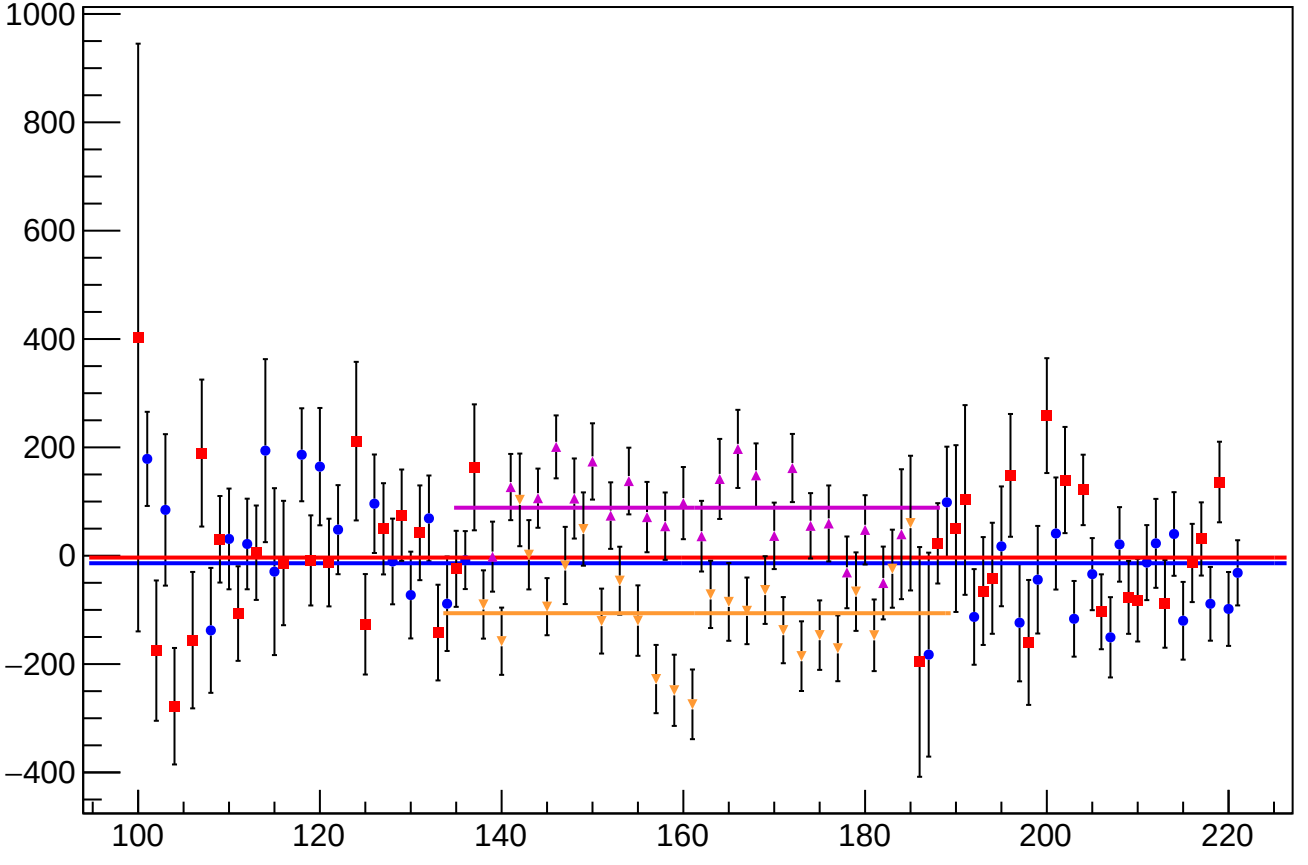
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19815004.3/58

All: 0.000+/-0.000 χ^2/NDF: 38808050.1/118

- sign 0.000+/-0.000 χ^2/NDF: 18993044.7/59

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -13.870+/-14.279 χ^2/NDF: 37.4/33

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -3.392+/-15.000 χ^2/NDF: 50.8/36

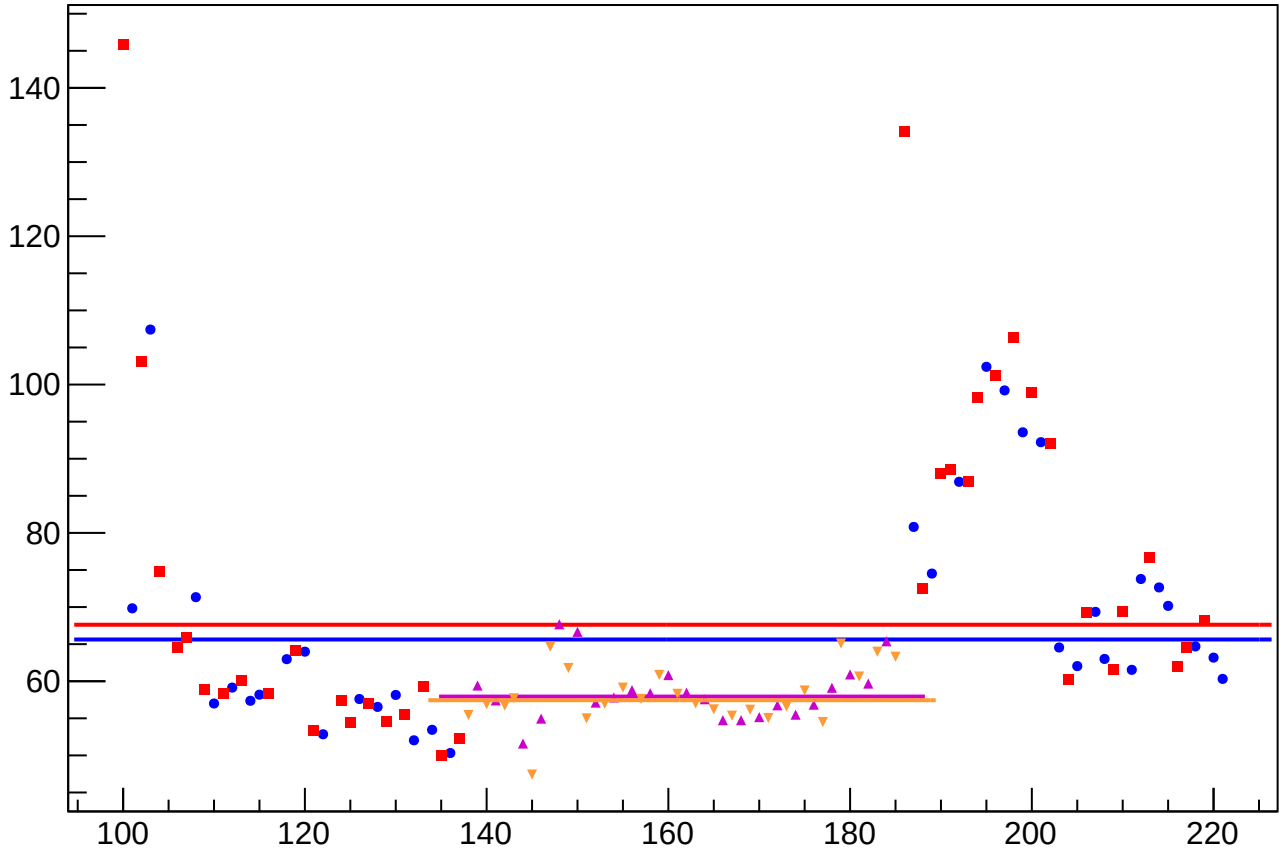
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -63.986+/-9.649 χ^2/NDF: 100.8/58

All: -10.712+/-6.964 χ^2/NDF: 259.8/118

- sign 47.221+/-10.062 χ^2/NDF: 95.4/59

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.628+/-0.010 χ^2/NDF: 1531000.1/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

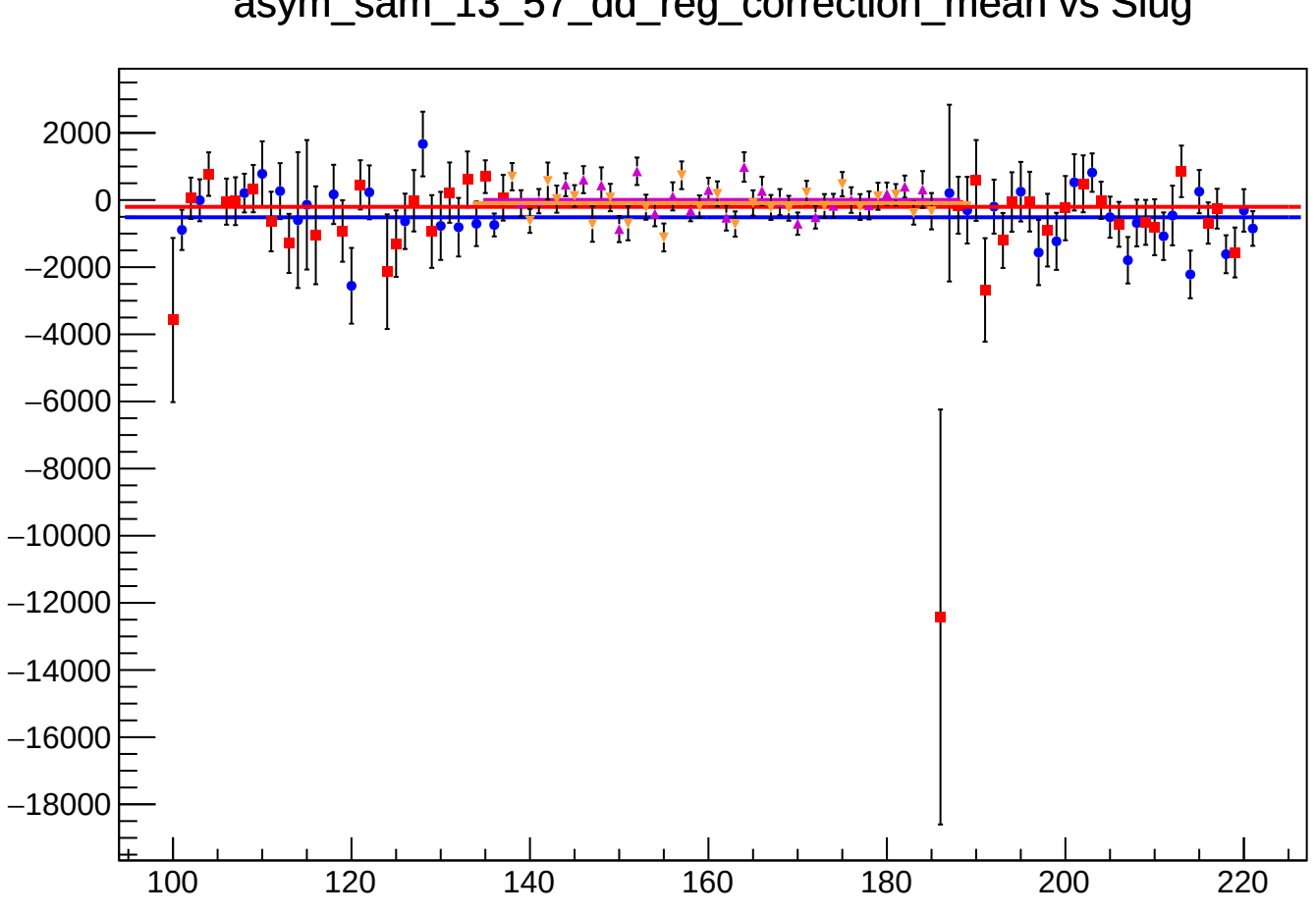
Right Out: 67.619+/-0.011 χ^2/NDF: 1998500.8/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.179+/-0.007 χ^2/NDF: 2062915.1/58

All: 61.712+/-0.005 χ^2/NDF: 4668752.0/118

- sign 62.291+/-0.007 χ^2/NDF: 2593117.5/59



Right In: -513.630+/-123.664 χ^2/NDF: 41.3/33

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -202.962+/-131.429 χ^2/NDF: 33.5/36

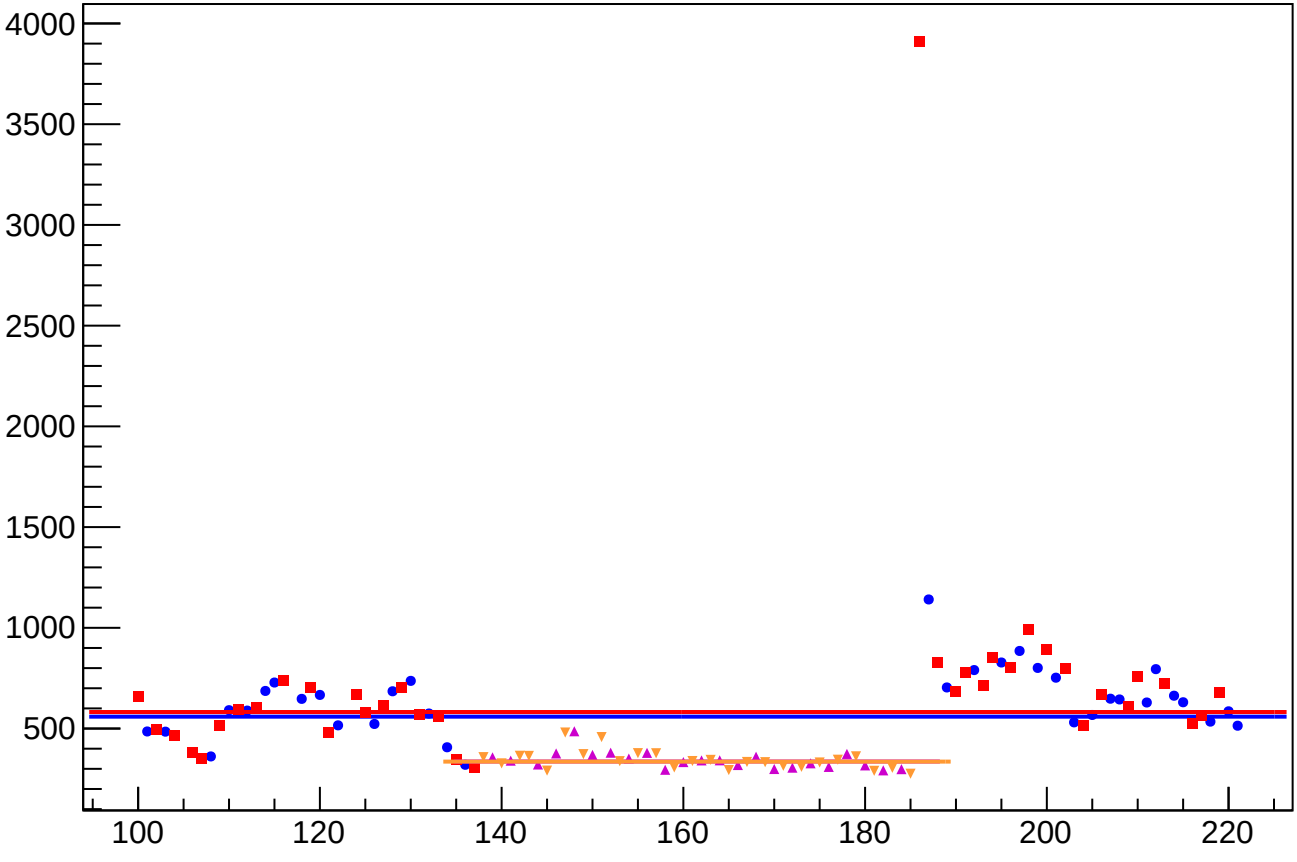
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -207.702+/-65.371 χ^2/NDF: 79.7/58

All: -132.642+/-47.070 χ^2/NDF: 151.3/118

- sign -51.827+/-67.831 χ^2/NDF: 68.8/59

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 559.038+/-0.087 χ^2/NDF: 2850579.7/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 582.069+/-0.093 χ^2/NDF: 3491071.4/36

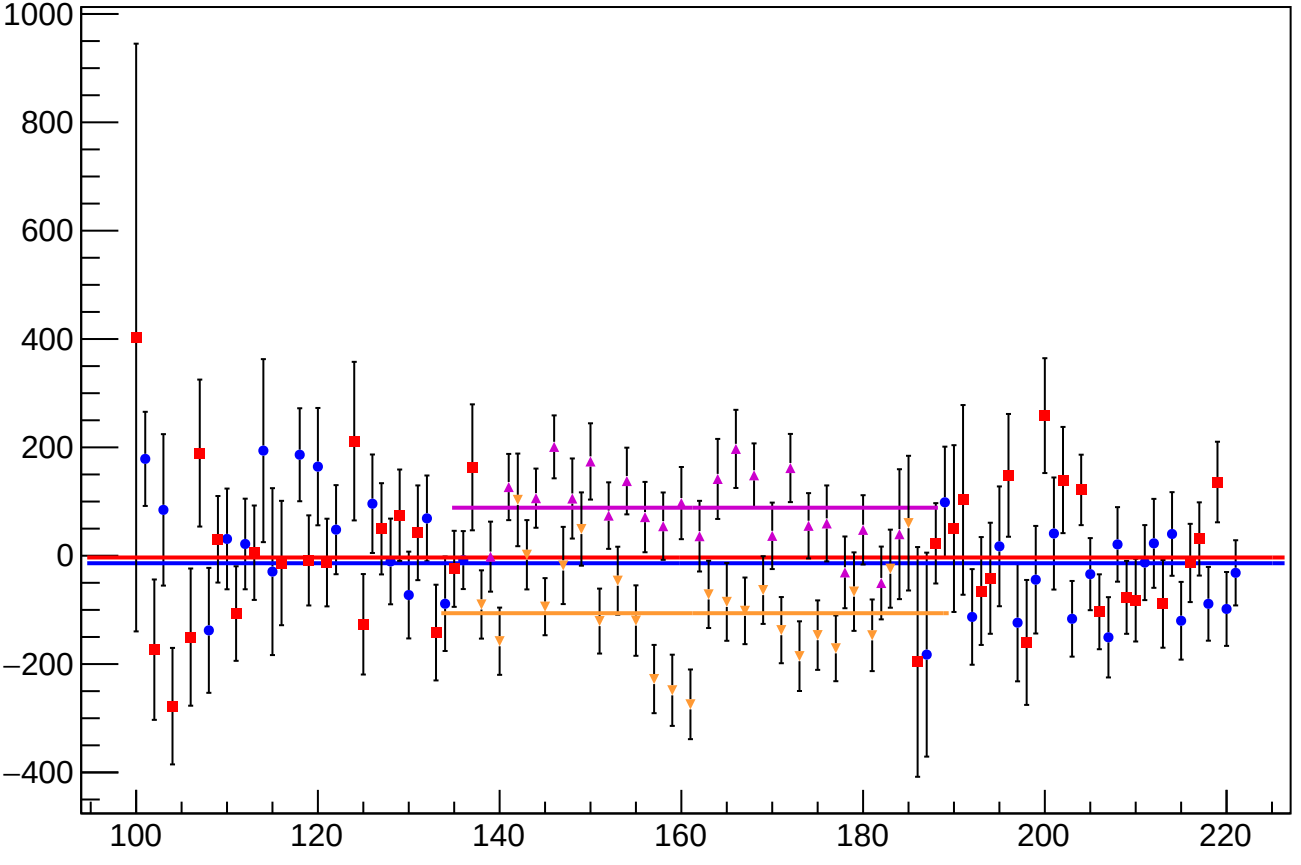
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 398.250+/-0.046 χ^2/NDF: 8076696.6/58

All: 399.957+/-0.033 χ^2/NDF: 17113758.9/11

- sign 401.795+/-0.048 χ^2/NDF: 9034229.7/59

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -13.874+/-14.279 χ^2/NDF: 37.4/33

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -3.264+/-15.002 χ^2/NDF: 50.6/36

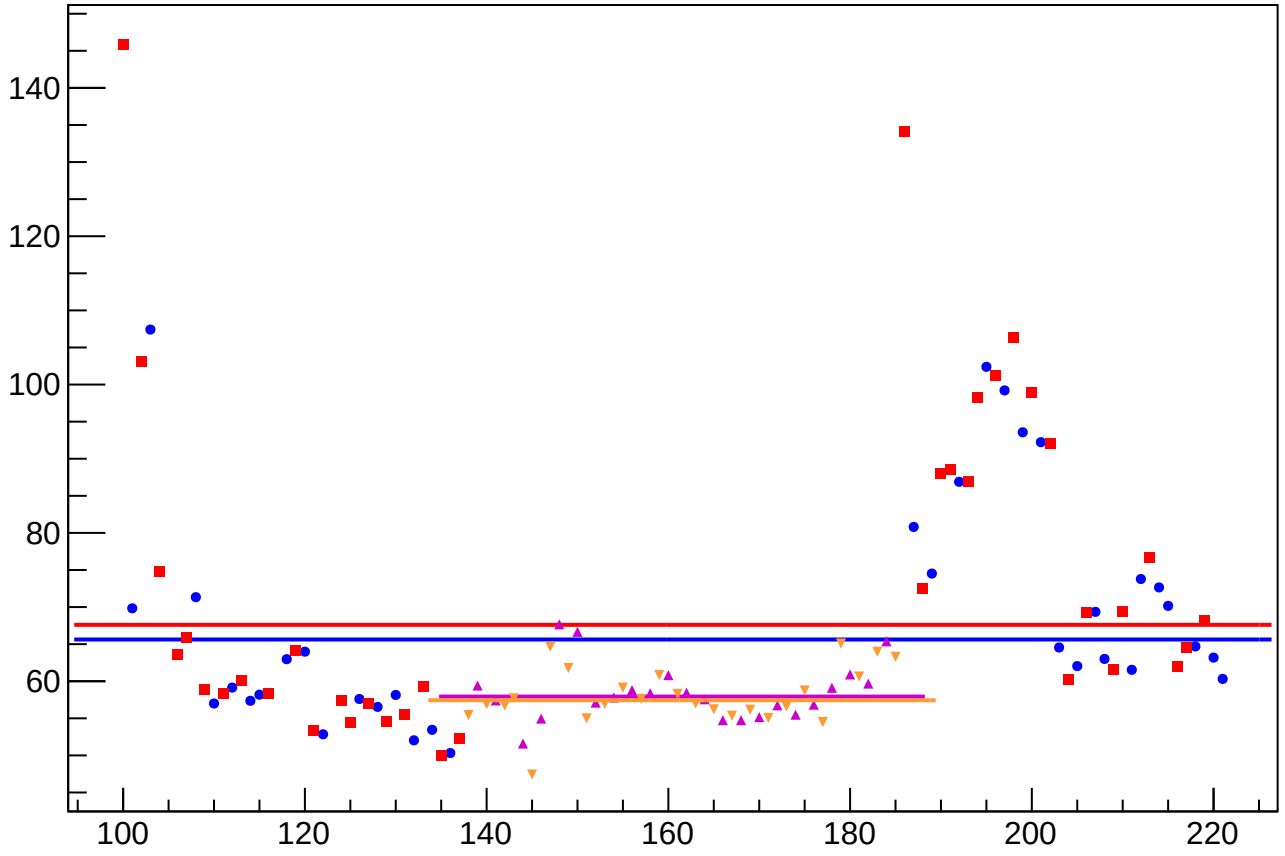
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -63.988+/-9.649 χ^2/NDF: 100.8/58

All: -10.685+/-6.964 χ^2/NDF: 259.6/118

- sign 47.284+/-10.062 χ^2/NDF: 95.2/59

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.628+/-0.010 χ^2/NDF: 1531002.0/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

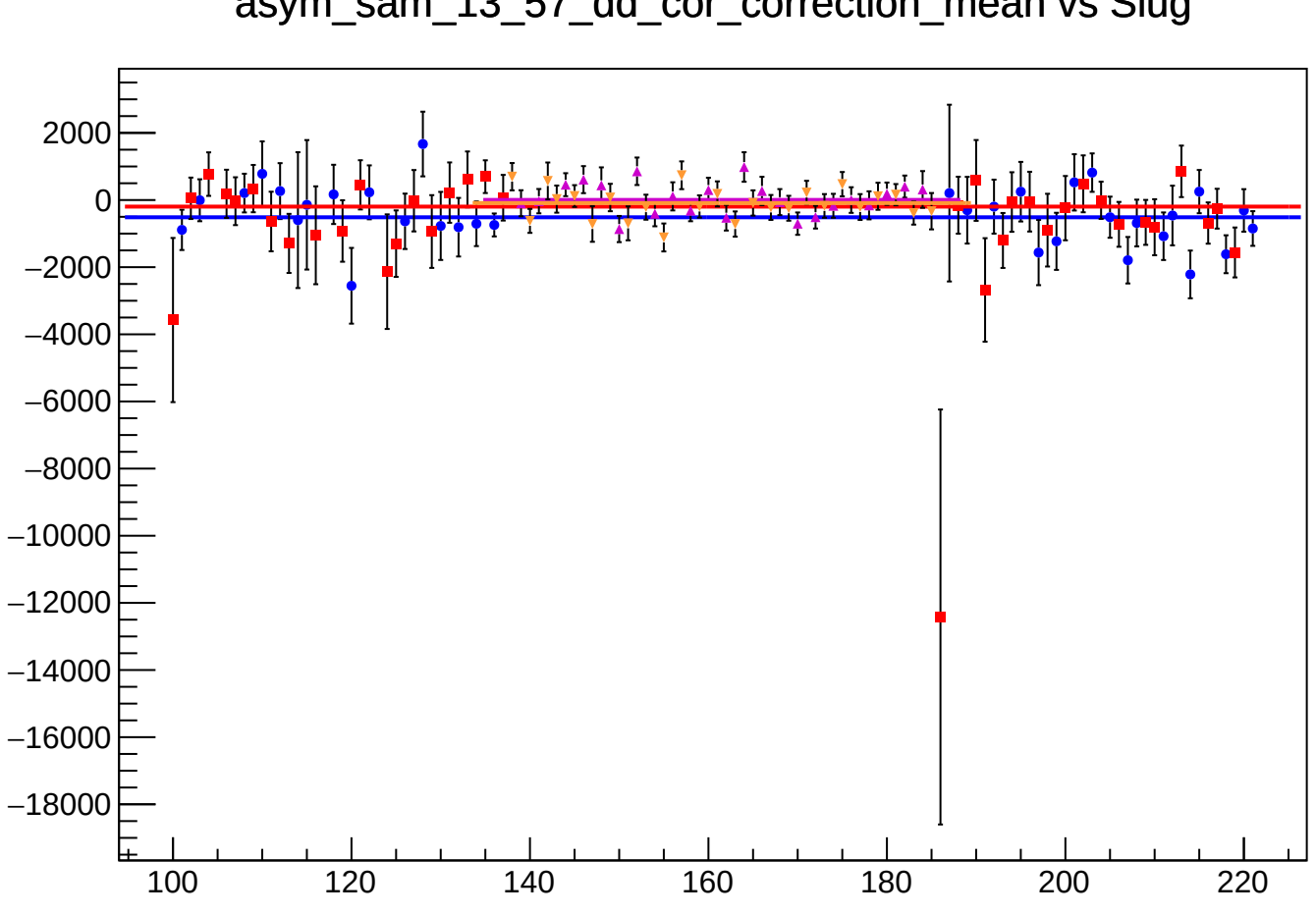
Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.179+/-0.007 χ^2/NDF: 2062917.2/58

All: 61.708+/-0.005 χ^2/NDF: 4668380.1/118

- sign 62.284+/-0.007 χ^2/NDF: 2592889.0/59



Right In: -513.618+/-123.664 χ^2/NDF: 41.3/33

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -195.639+/-131.638 χ^2/NDF: 33.7/36

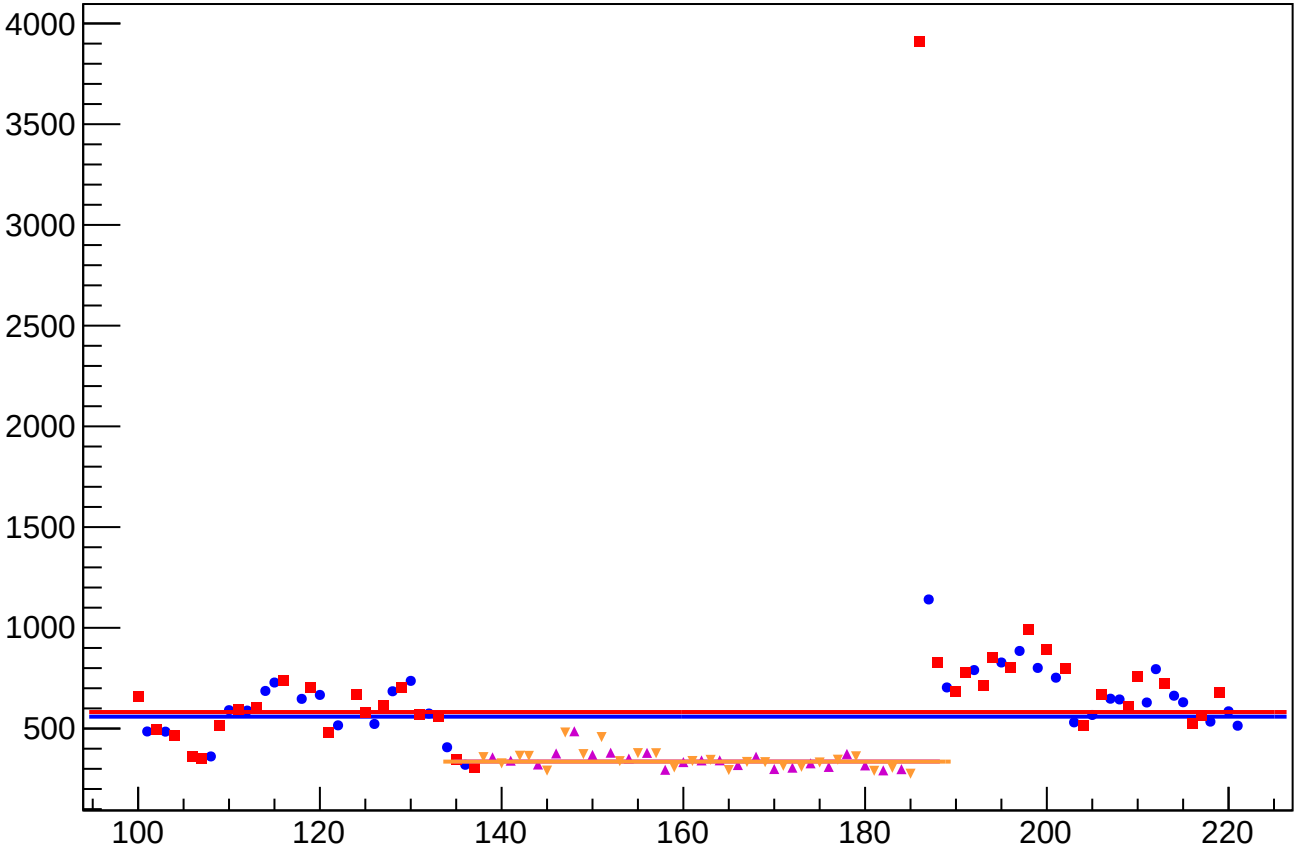
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -207.699+/-65.371 χ^2/NDF: 79.7/58

All: -131.675+/-47.080 χ^2/NDF: 151.5/118

- sign -49.752+/-67.860 χ^2/NDF: 68.9/59

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 559.040+/-0.087 χ^2/NDF: 2850546.2/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

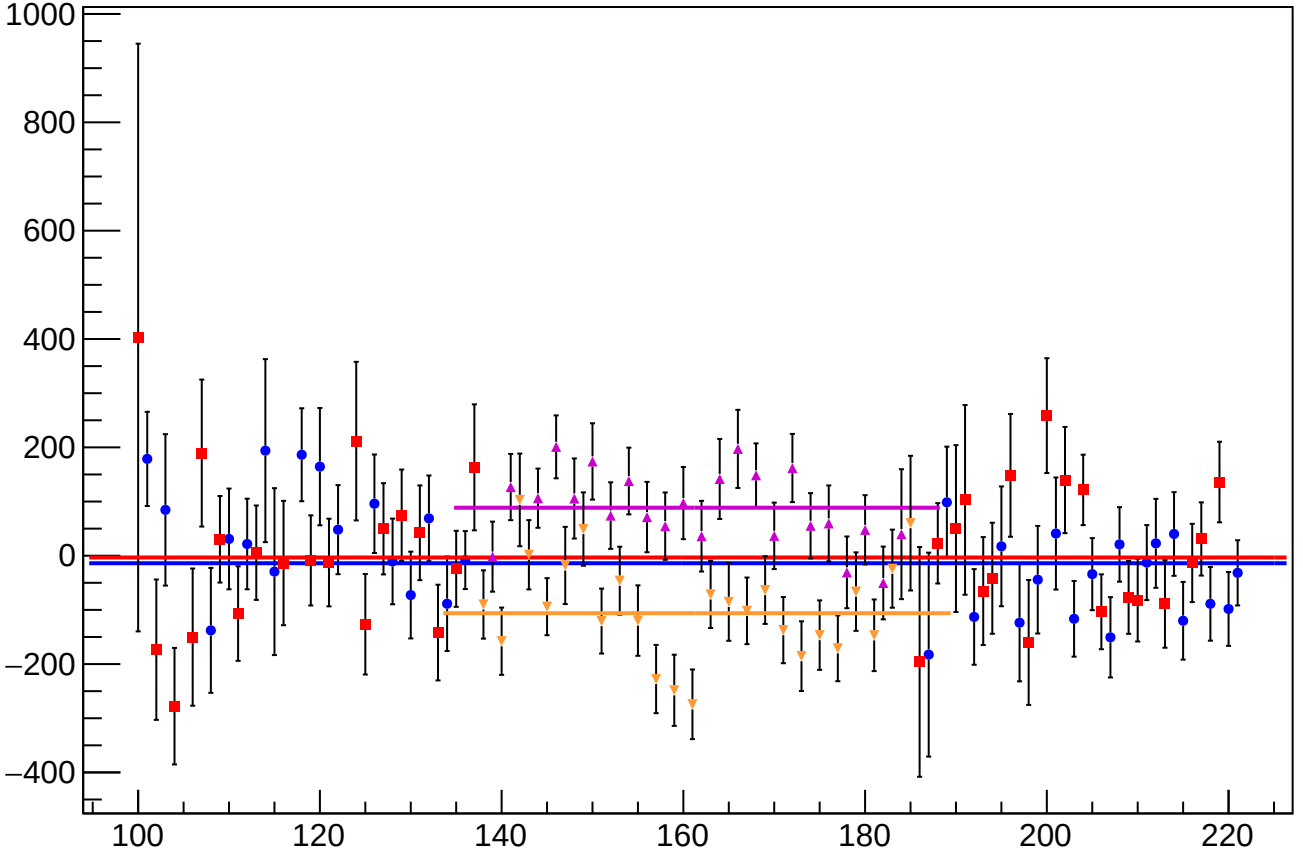
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 398.250+/-0.046 χ^2/NDF: 8076718.2/58

All: 399.876+/-0.033 χ^2/NDF: 17118715.0/11

- sign 401.628+/-0.048 χ^2/NDF: 9039426.2/59

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -13.874+/-14.279 χ^2/NDF: 37.4/33

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -3.264+/-15.002 χ^2/NDF: 50.6/36

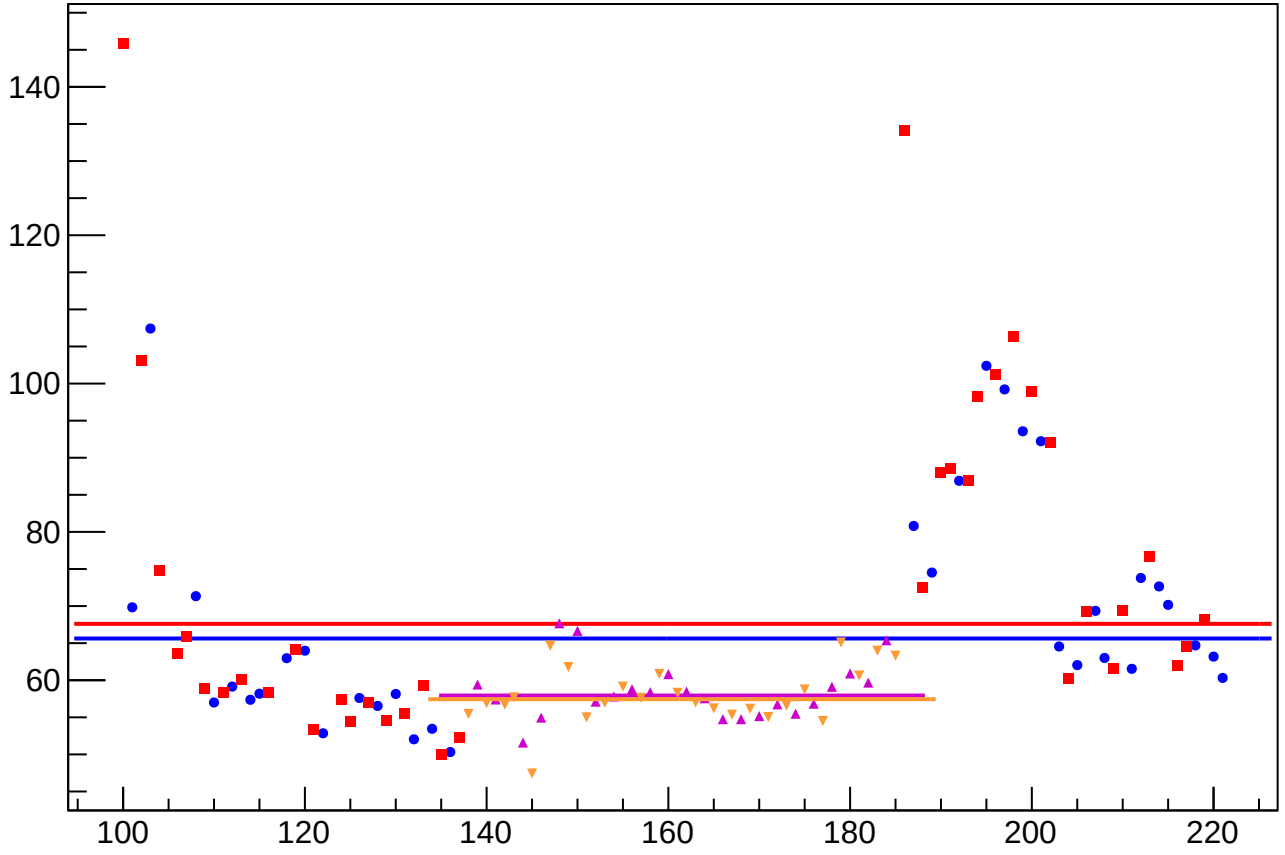
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -63.988+/-9.649 χ^2/NDF: 100.8/58

All: -10.685+/-6.964 χ^2/NDF: 259.6/118

- sign 47.284+/-10.062 χ^2/NDF: 95.2/59

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.628+/-0.010 χ^2/NDF: 1531002.0/33

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

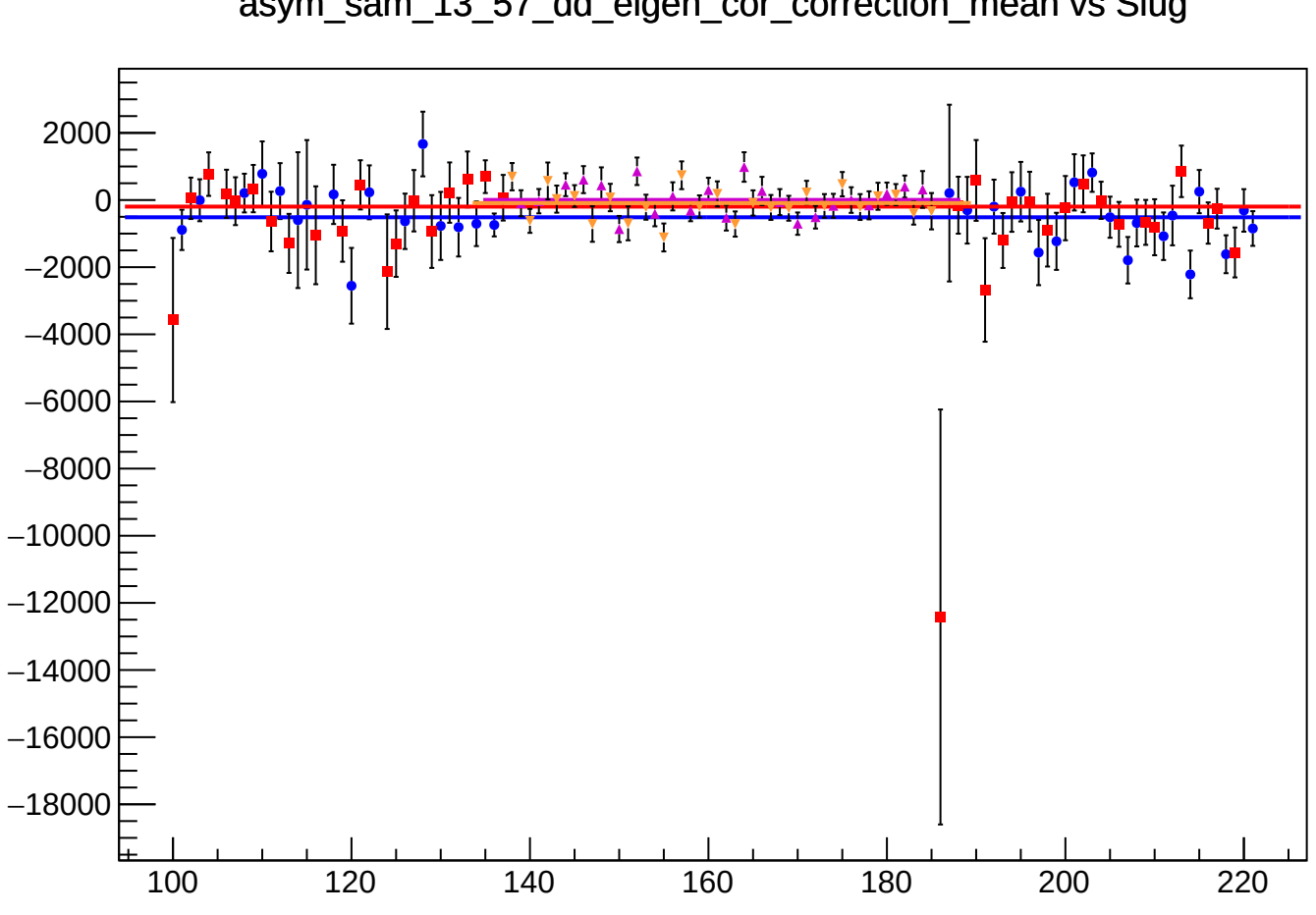
Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.179+/-0.007 χ^2/NDF: 2062917.2/58

All: 61.708+/-0.005 χ^2/NDF: 4668380.1/118

- sign 62.284+/-0.007 χ^2/NDF: 2592889.0/59



Right In: -513.618+/-123.664 χ^2/NDF: 41.3/33

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -195.639+/-131.638 χ^2/NDF: 33.7/36

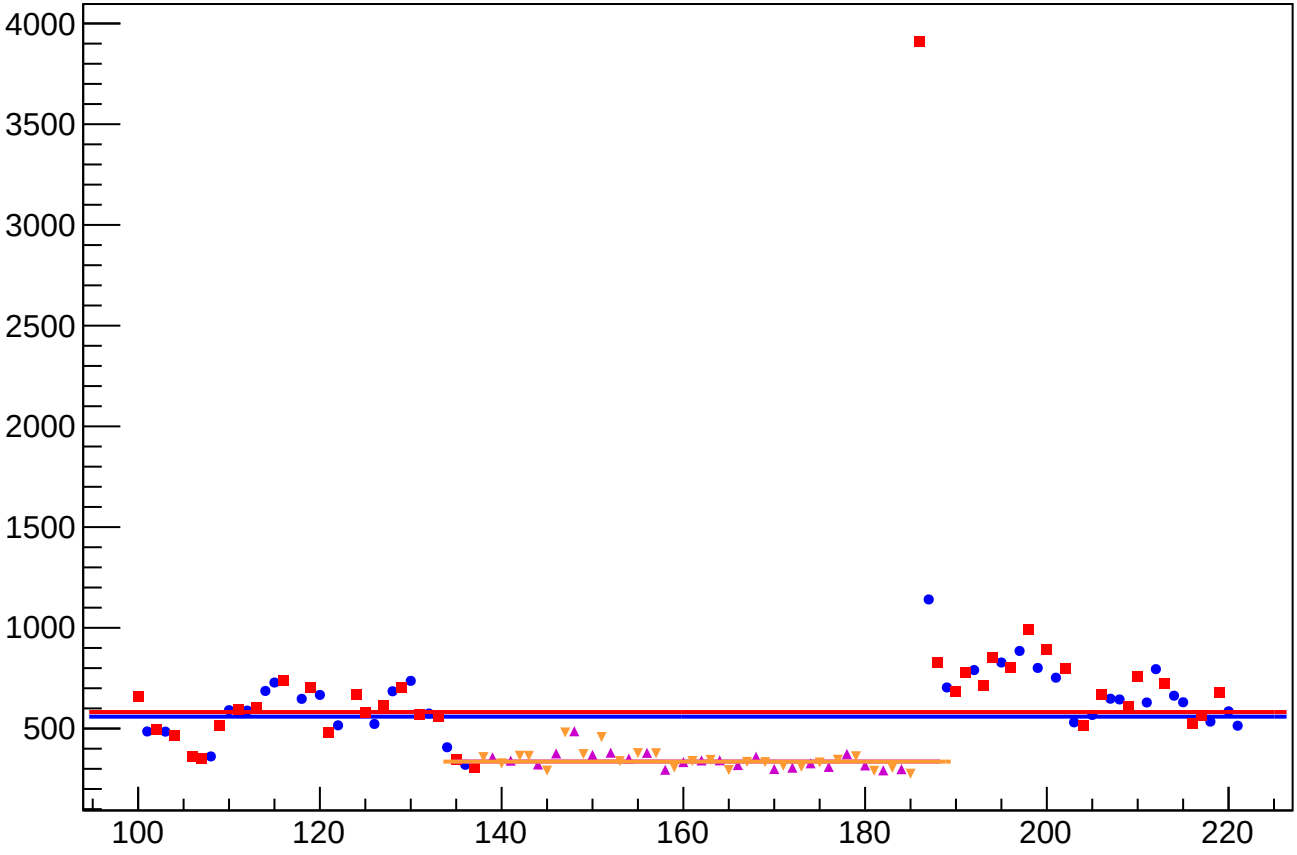
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -207.699+/-65.371 χ^2/NDF: 79.7/58

All: -131.675+/-47.080 χ^2/NDF: 151.5/118

- sign -49.752+/-67.860 χ^2/NDF: 68.9/59

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 559.040+/-0.087 χ^2/NDF: 2850546.2/33

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

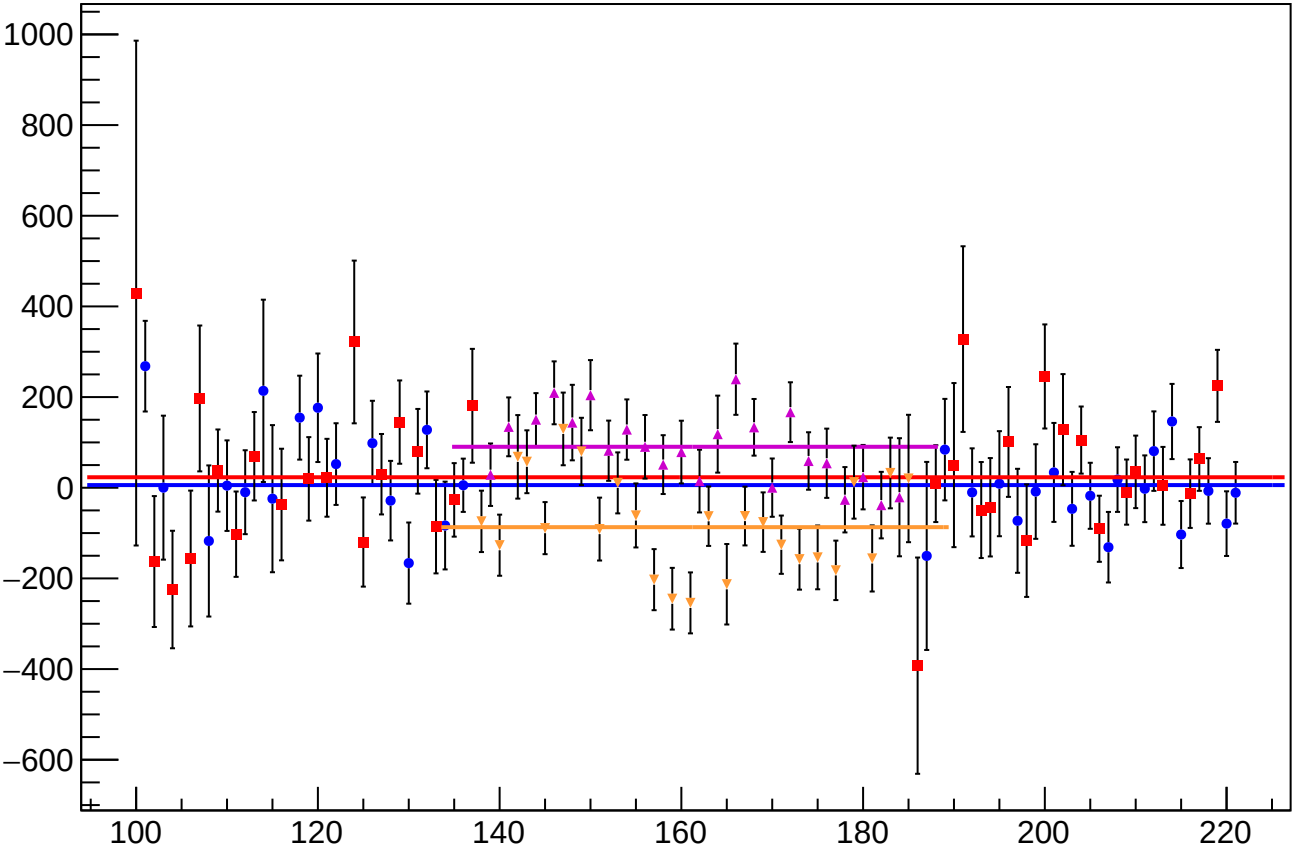
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 398.250+/-0.046 χ^2/NDF: 8076718.2/58

All: 399.876+/-0.033 χ^2/NDF: 17118715.0/11

- sign 401.628+/-0.048 χ^2/NDF: 9039426.2/59

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 5.864+/-15.516 χ^2/NDF: 33.8/33

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

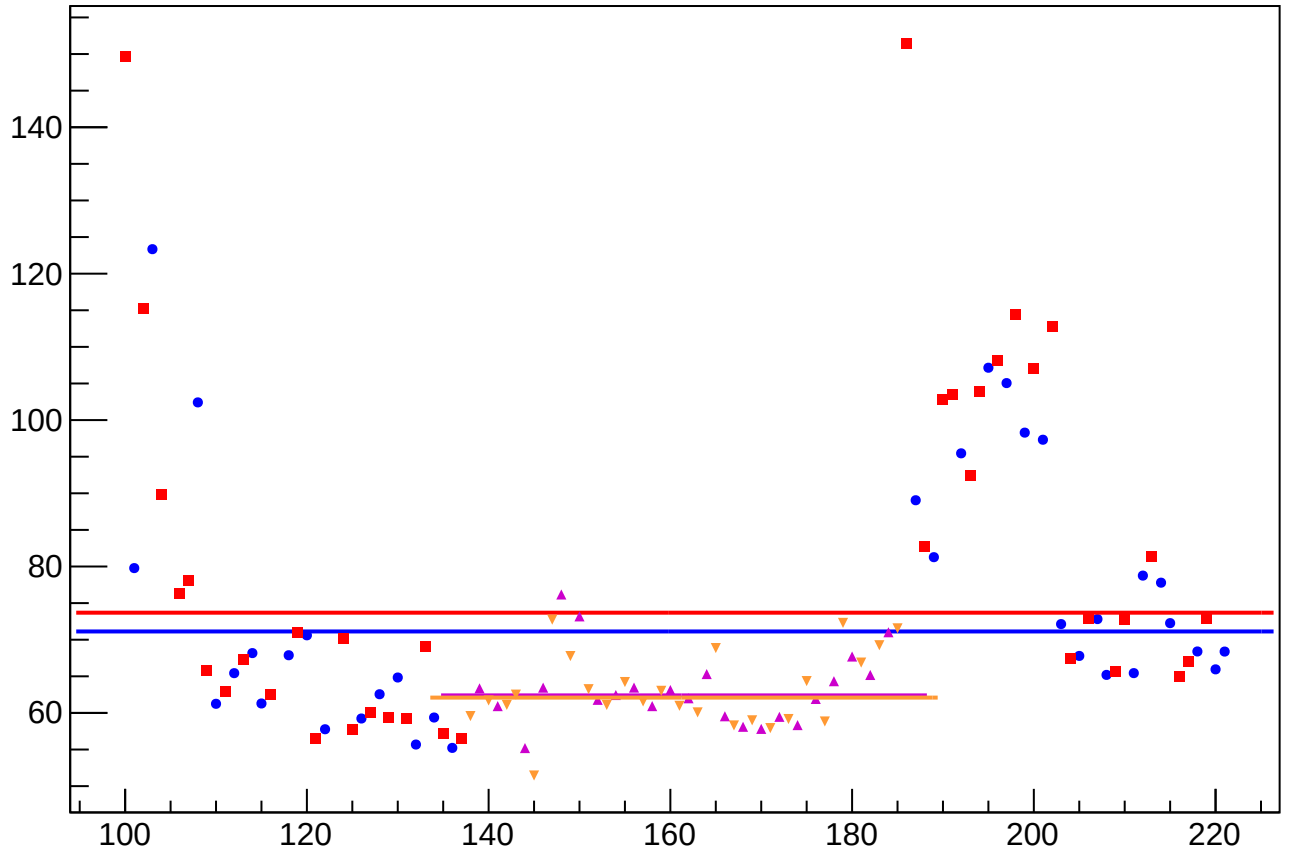
Right Out: 23.135+/-16.418 χ^2/NDF: 44.0/36

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.731+/-10.465 χ^2/NDF: 102.1/58

All: 5.604+/-7.560 χ^2/NDF: 228.9/118

- sign 60.547+/-10.933 χ^2/NDF: 78.4/59



Right In: 71.128+/-0.011 χ^2/NDF: 1539167.6/33

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

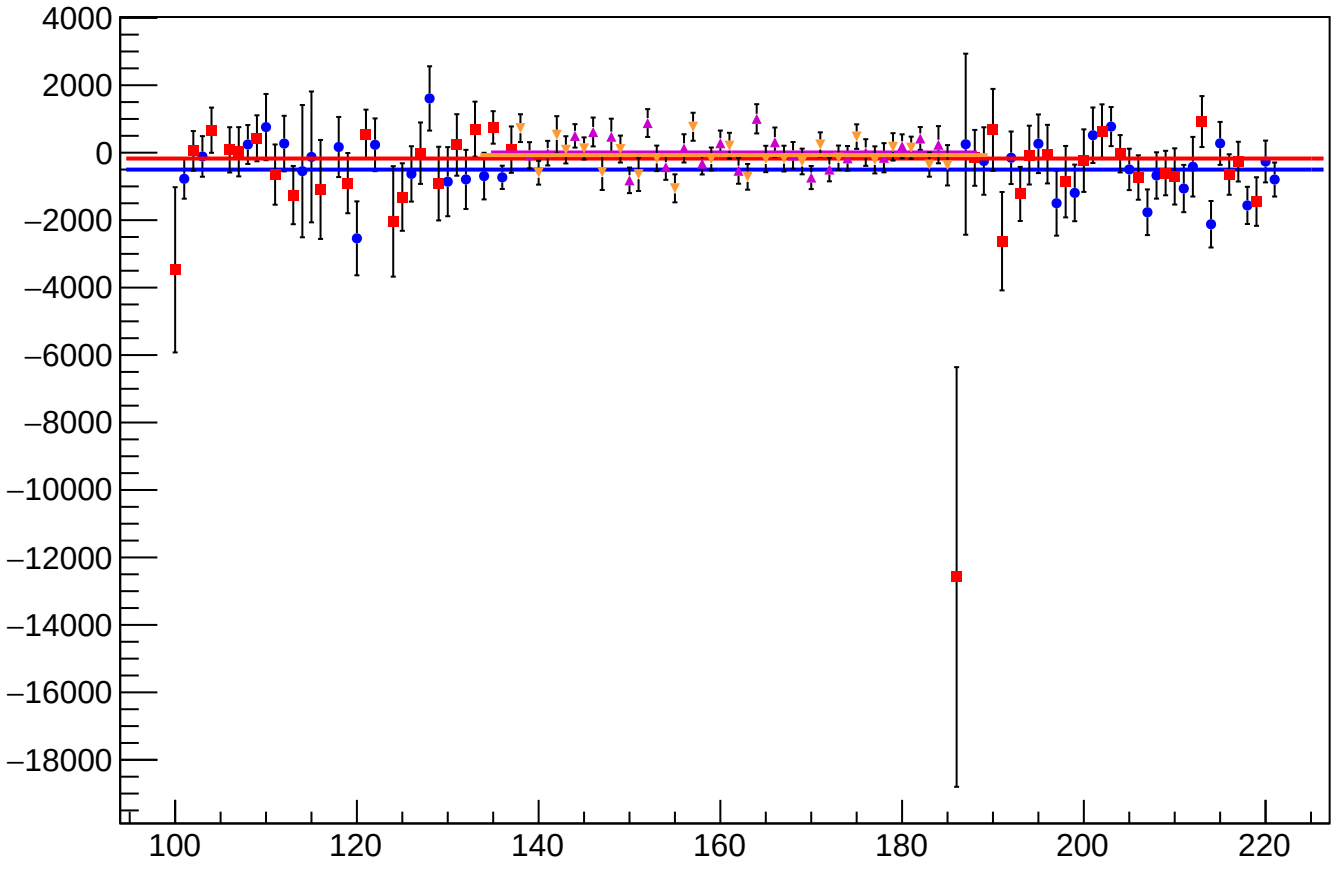
Right Out: 73.692+/-0.012 χ^2/NDF: 2103615.4/36

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 66.203+/-0.007 χ^2/NDF: 2142172.2/58

All: 66.778+/-0.005 χ^2/NDF: 4974187.7/118

- sign 67.405+/-0.008 χ^2/NDF: 2819402.1/59



Right In: -501.368+/-122.630 χ^2/NDF: 40.1/33

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -173.537+/-129.686 χ^2/NDF: 34.7/36

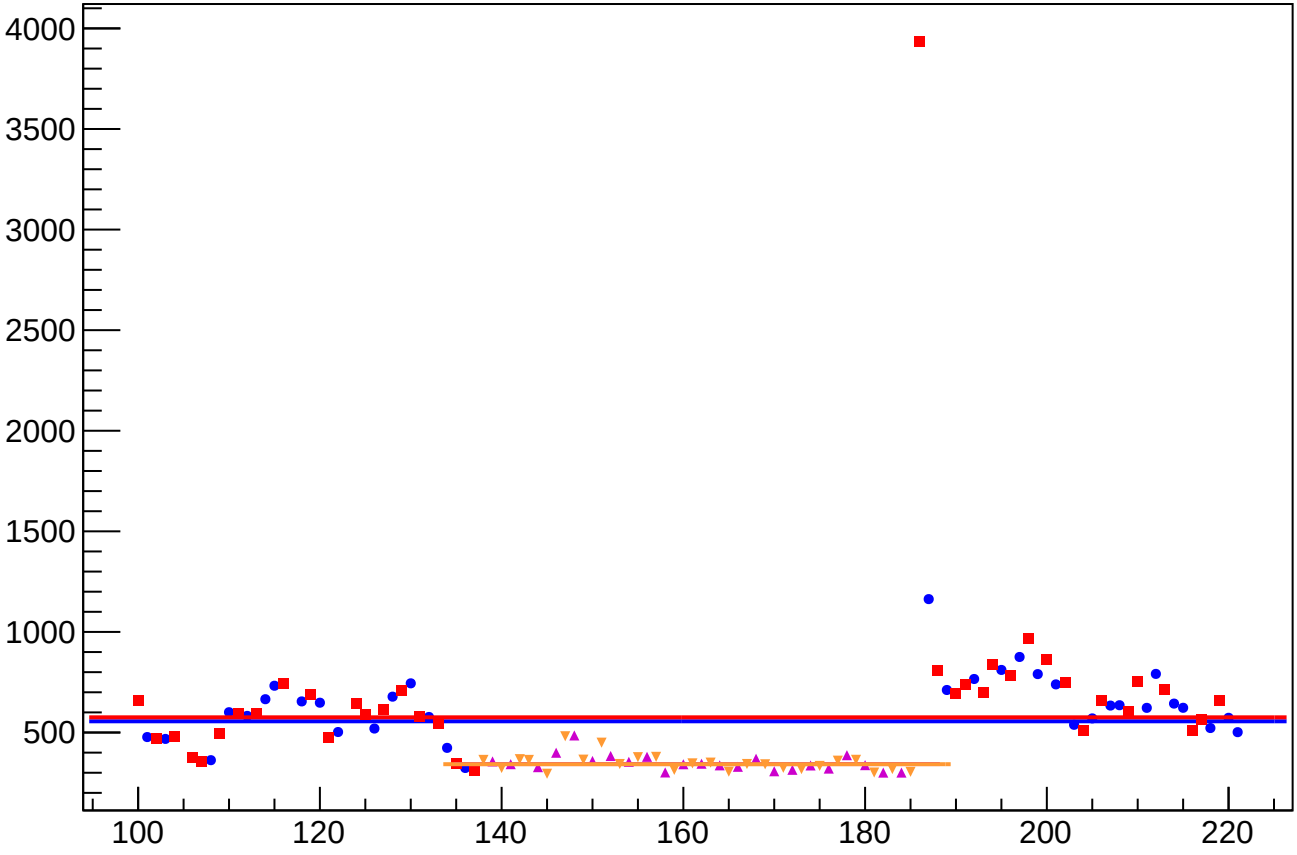
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -196.096+/-66.054 χ^2/NDF: 77.4/58

All: -122.906+/-47.567 χ^2/NDF: 150.1/118

- sign -44.072+/-68.554 χ^2/NDF: 70.1/59

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 555.796+/-0.087 χ^2/NDF: 2712582.2/33

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 575.457+/-0.092 χ^2/NDF: 3350192.5/36

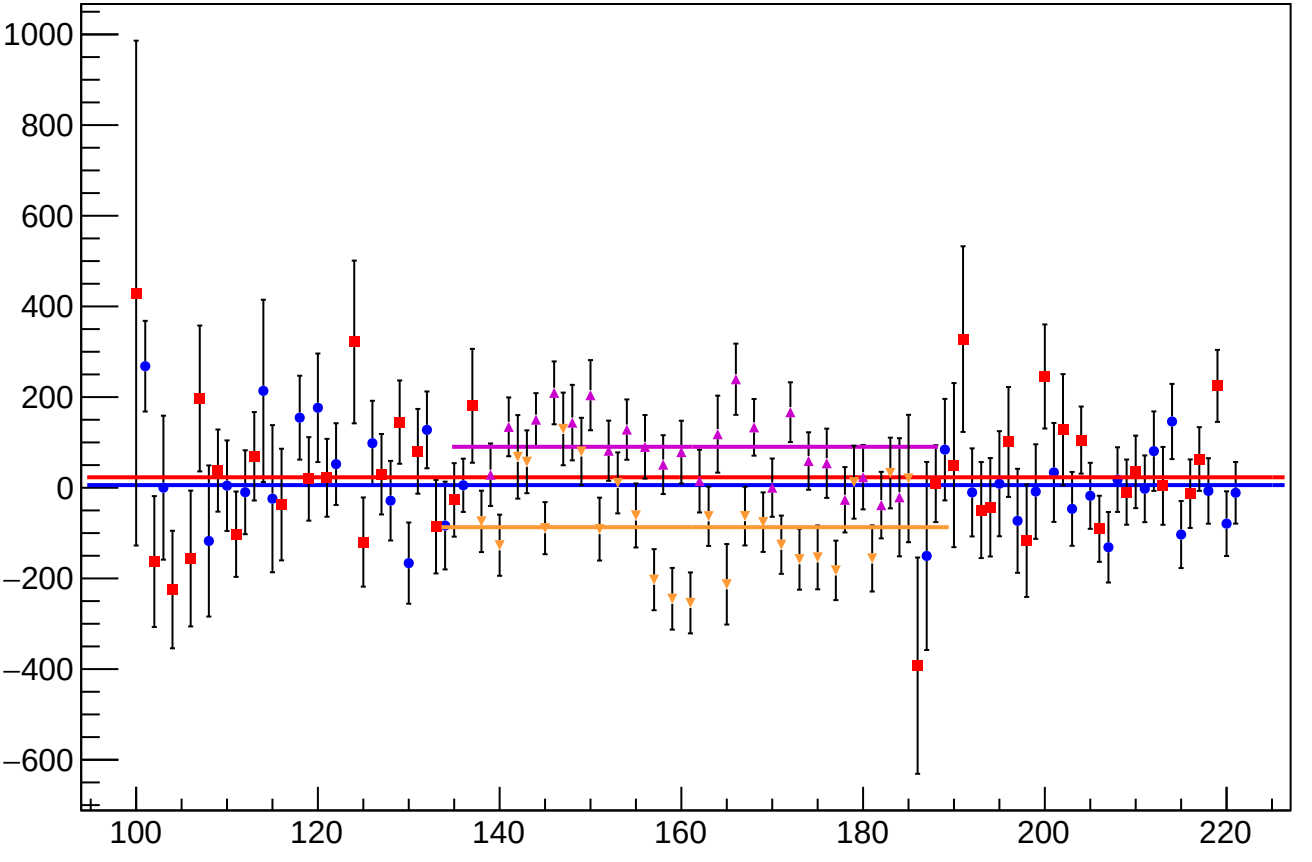
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 404.387+/-0.047 χ^2/NDF: 7441803.8/58

All: 406.190+/-0.034 χ^2/NDF: 15788575.3/11

- sign 408.133+/-0.048 χ^2/NDF: 8343674.5/59

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 5.864+/-15.516 χ^2/NDF: 33.8/33

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 23.135+/-16.418 χ^2/NDF: 44.0/36

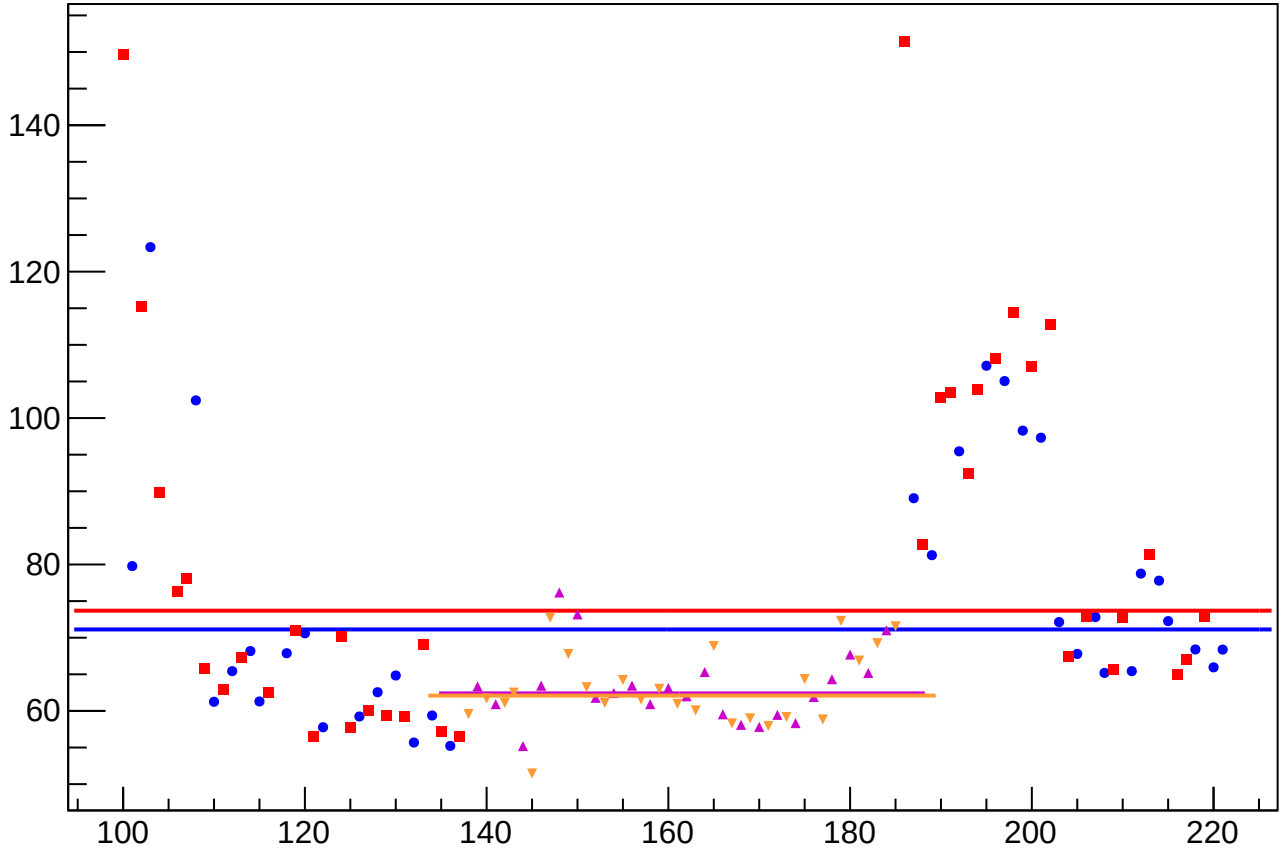
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -44.730+/-10.465 χ^2/NDF: 102.1/58

All: 5.605+/-7.560 χ^2/NDF: 228.9/118

\- sign 60.547+/-10.933 χ^2/NDF: 78.4/59

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.128+/-0.011 χ^2/NDF: 1539191.3/33

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

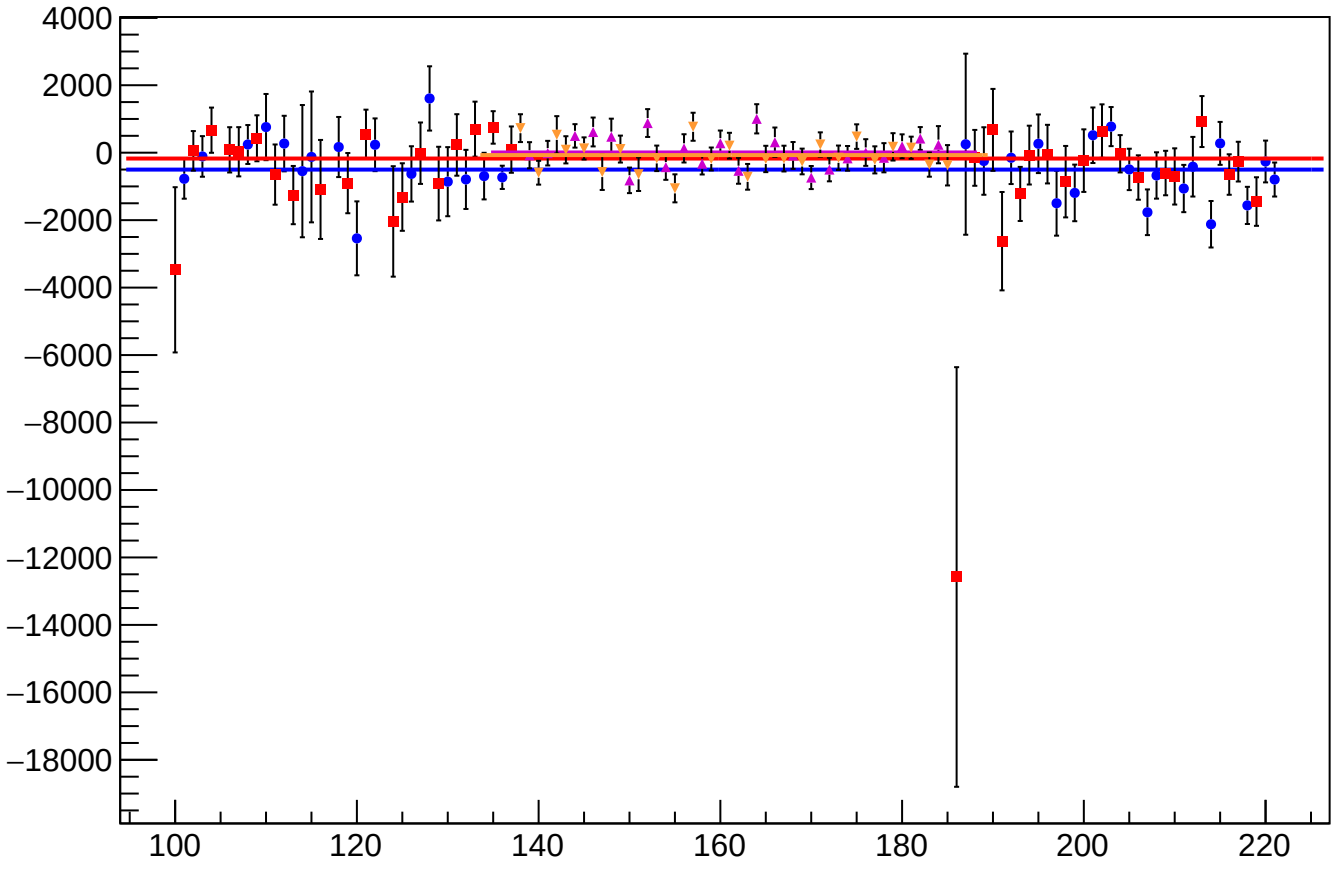
Right Out: 73.692+/-0.012 χ^2/NDF: 2103619.3/36

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 66.203+/-0.007 χ^2/NDF: 2142197.0/58

All: 66.778+/-0.005 χ^2/NDF: 4974212.5/118

- sign 67.405+/-0.008 χ^2/NDF: 2819401.8/59



Right In: -501.367+/-122.630 χ^2/NDF: 40.1/33

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

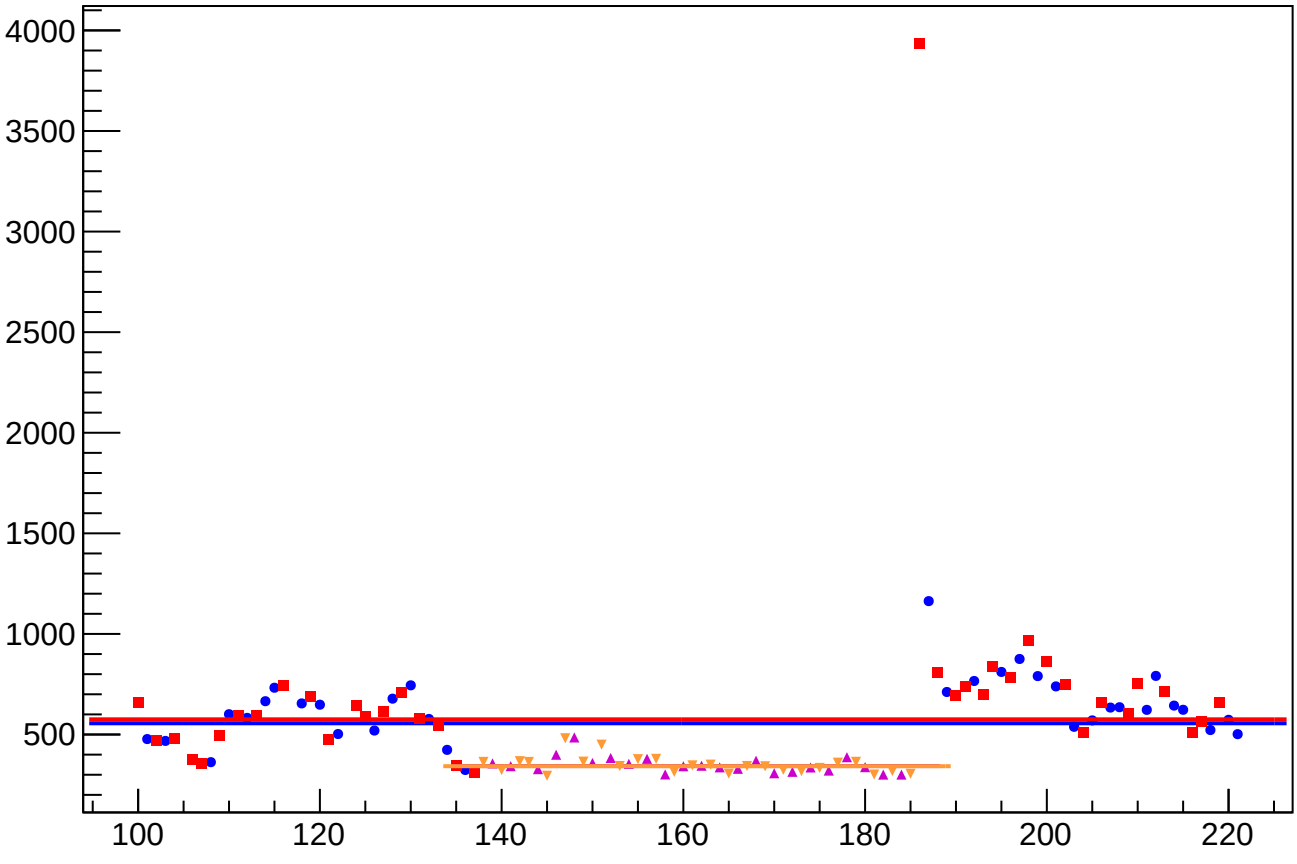
Right Out: -173.537+/-129.685 χ^2/NDF: 34.7/36

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -196.096+/-66.054 χ^2/NDF: 77.4/58

All: -122.906+/-47.566 χ^2/NDF: 150.1/118

- sign -44.072+/-68.554 χ^2/NDF: 70.1/59



Right In: 555.796+/-0.087 χ^2/NDF: 2712585.2/33

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 575.456+/-0.092 χ^2/NDF: 3350198.7/36

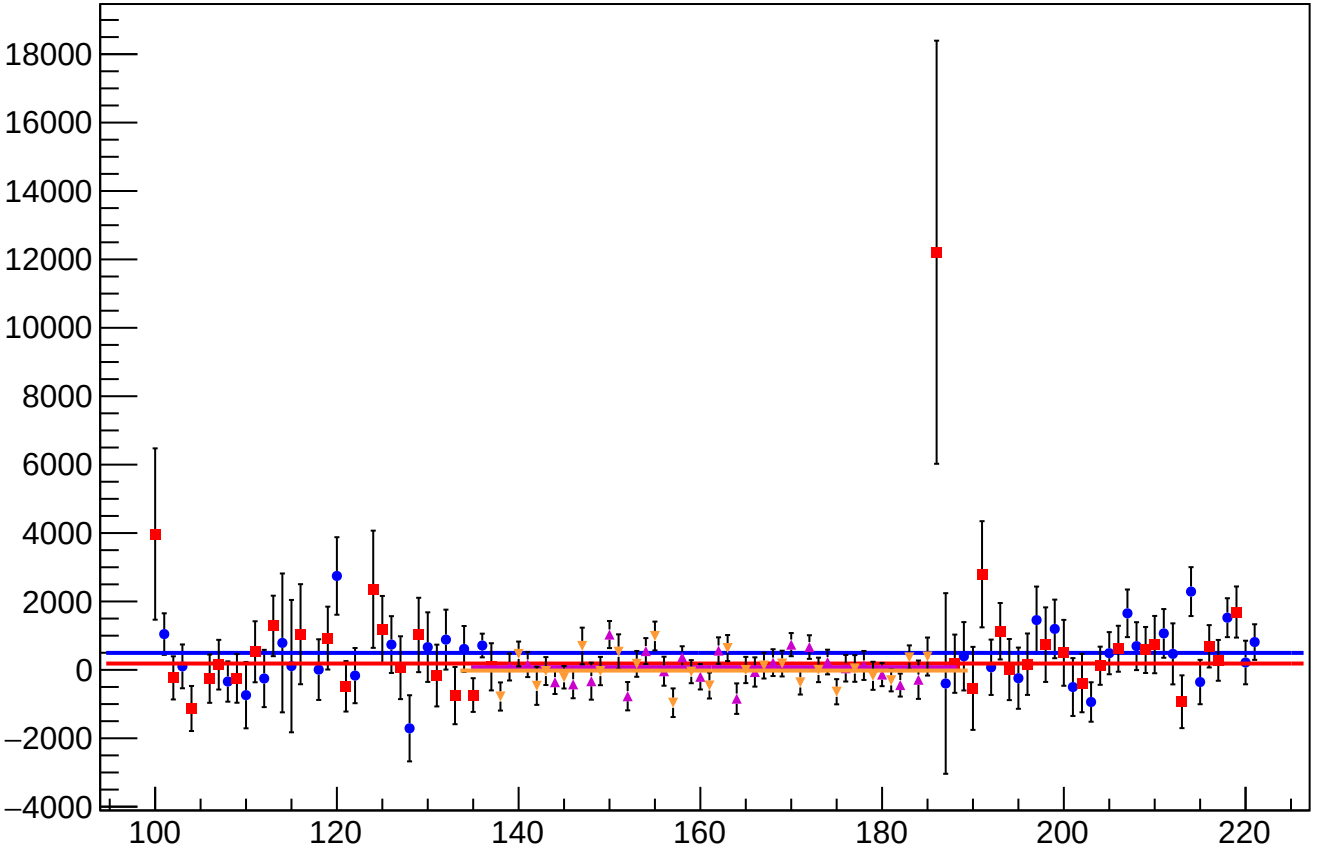
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 404.387+/-0.047 χ^2/NDF: 7441792.5/58

All: 406.190+/-0.034 χ^2/NDF: 15788545.5/11

- sign 408.133+/-0.048 χ^2/NDF: 8343655.8/59

asym_sam_13_57_dd_mean vs Slug



Right In: 496.141+/-124.753 χ^2/NDF: 42.2/33

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 185.307+/-132.636 χ^2/NDF: 36.3/36

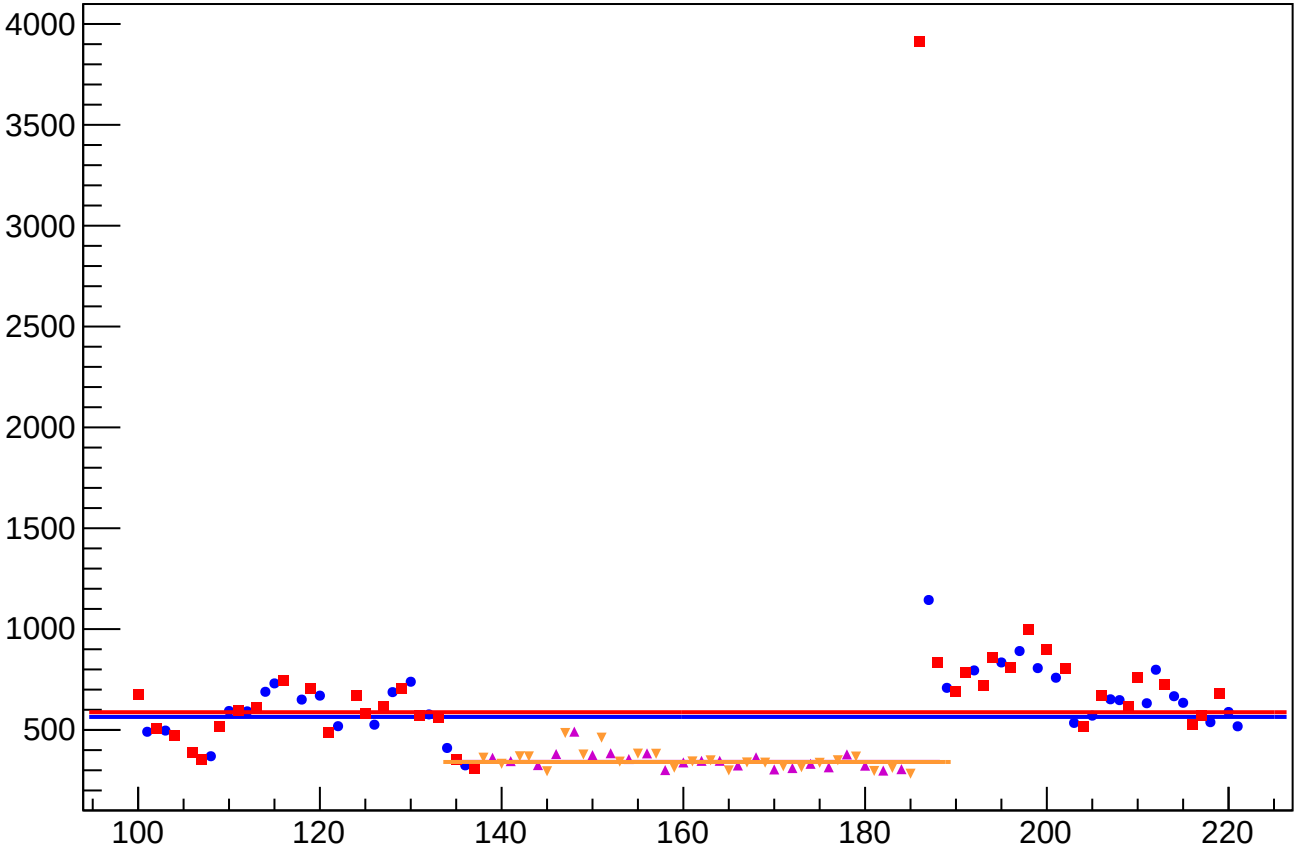
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 125.392+/-66.256 χ^2/NDF: 85.9/58

All: 116.713+/-47.711 χ^2/NDF: 155.6/118

- sign 107.365+/-68.761 χ^2/NDF: 69.7/59

asym_sam_13_57_dd_rms vs Slug



Right In: 564.465+/-0.088 χ^2/NDF: 2783116.0/33

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

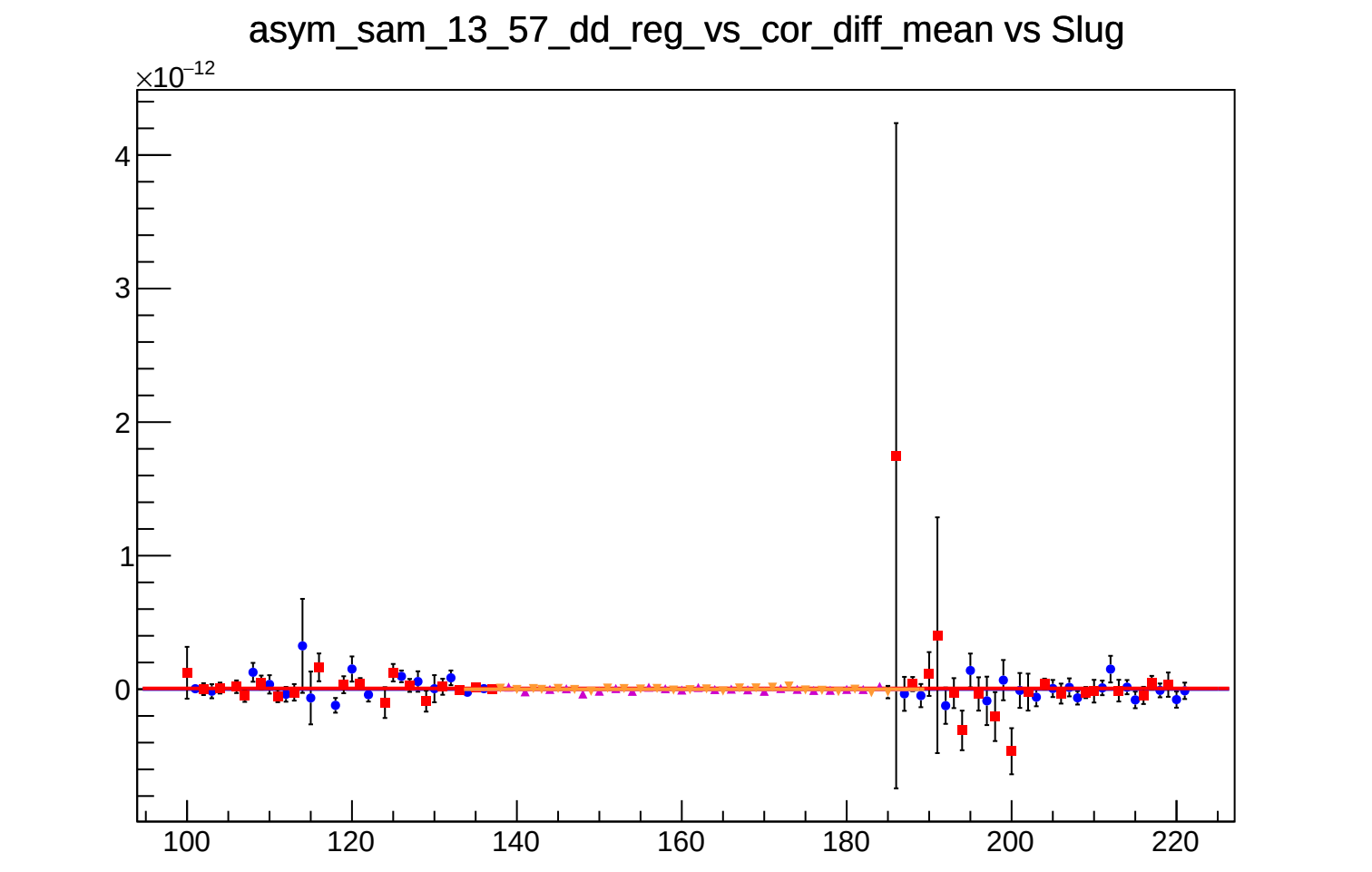
Right Out: 587.896+/-0.094 χ^2/NDF: 3421506.0/36

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 404.176+/-0.047 χ^2/NDF: 7892938.2/58

All: 405.925+/-0.034 χ^2/NDF: 16756228.3/11

- sign 407.810+/-0.049 χ^2/NDF: 8860392.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

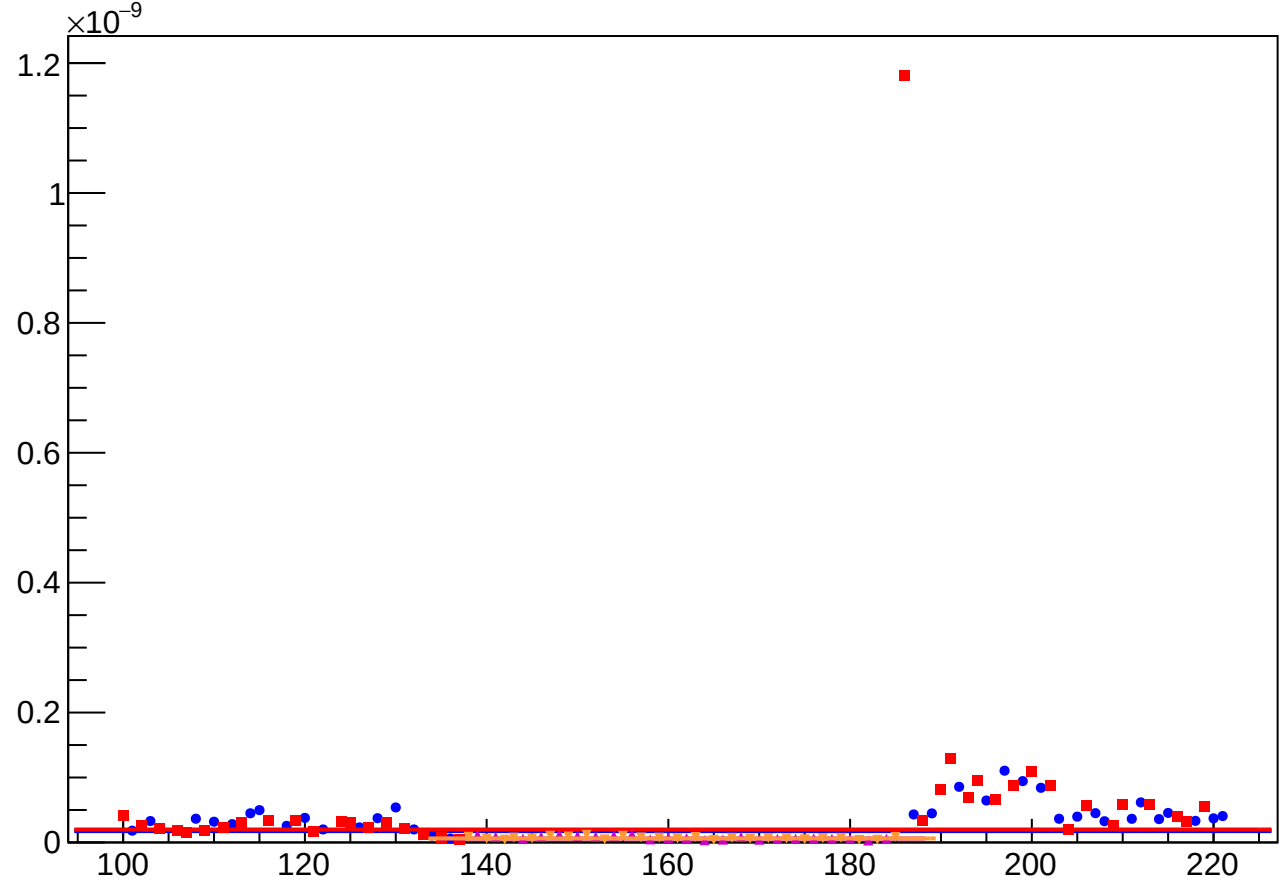
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/36

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/58

All: -0.000+/-0.000 χ^2/NDF: 99.4/118

- sign -0.000+/-0.000 χ^2/NDF: 47.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 9311387.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

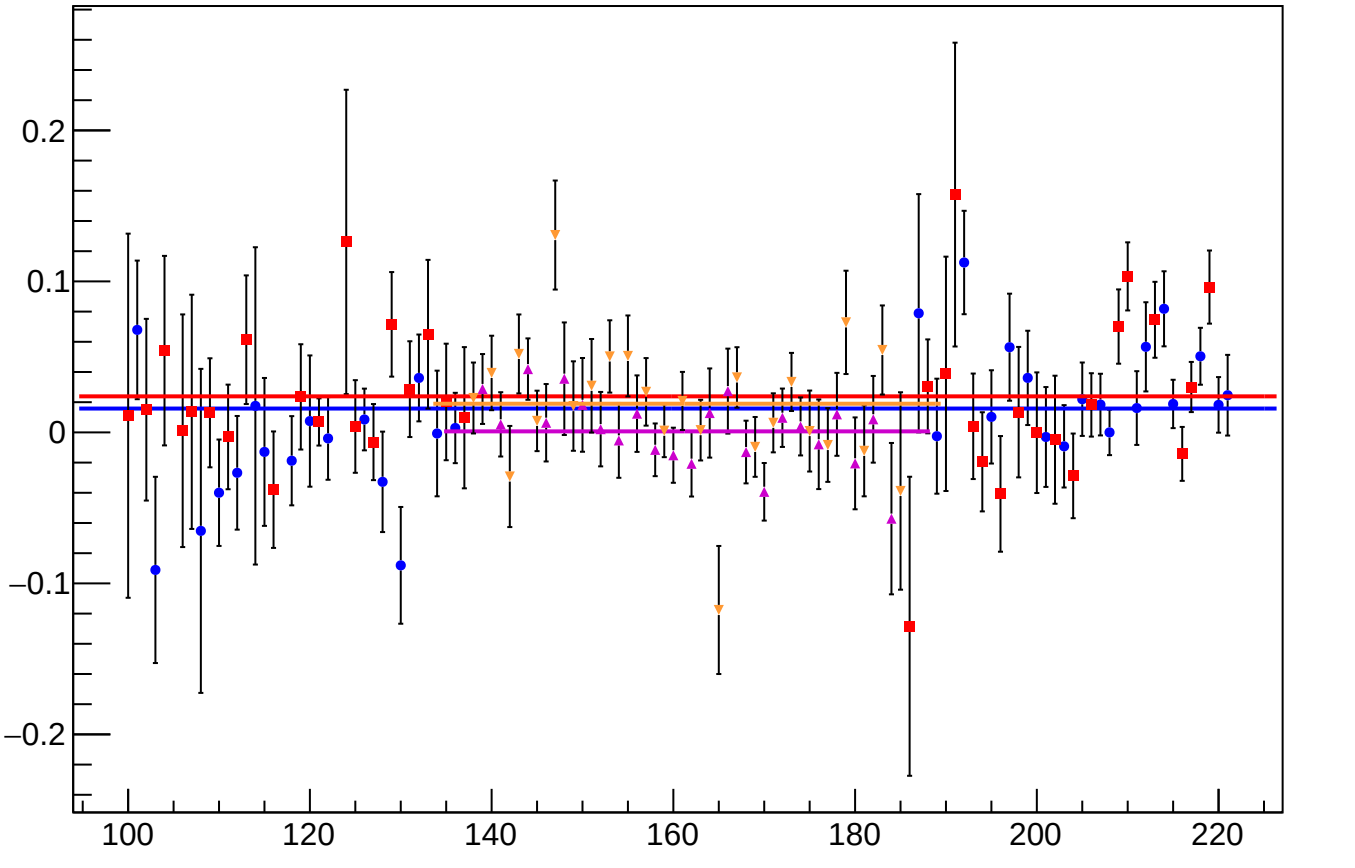
Right Out: 0.000+/-0.000 χ^2/NDF: 7830209.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14776208.1/58

All: 0.000+/-0.000 χ^2/NDF: 29494662.4/118

- sign 0.000+/-0.000 χ^2/NDF: 14716641.5/59



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.024+/-0.005 χ^2/NDF: 58.4/36

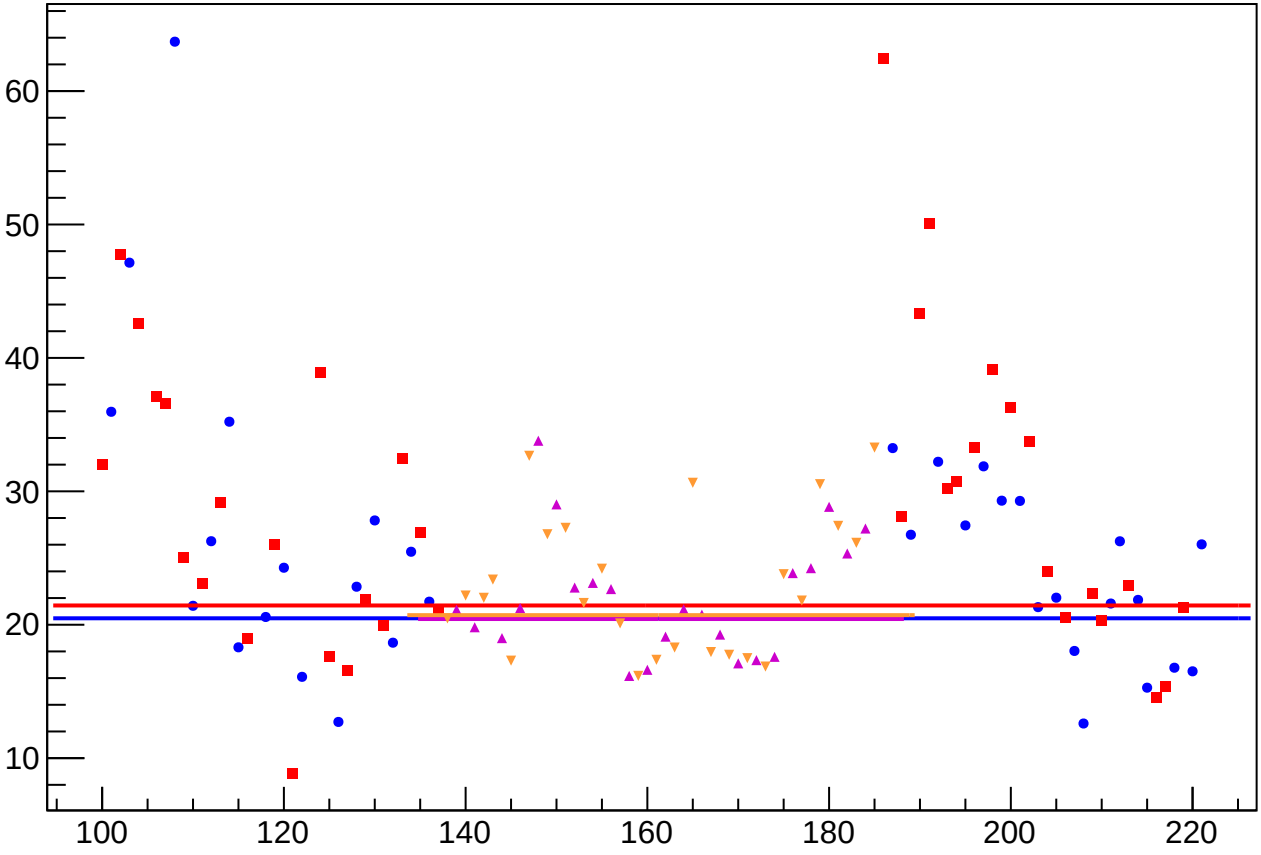
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 176.1/118

- sign 0.012+/-0.004 χ^2/NDF: 86.7/59

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.483+/-0.003 χ^2/NDF: 3589108.6/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

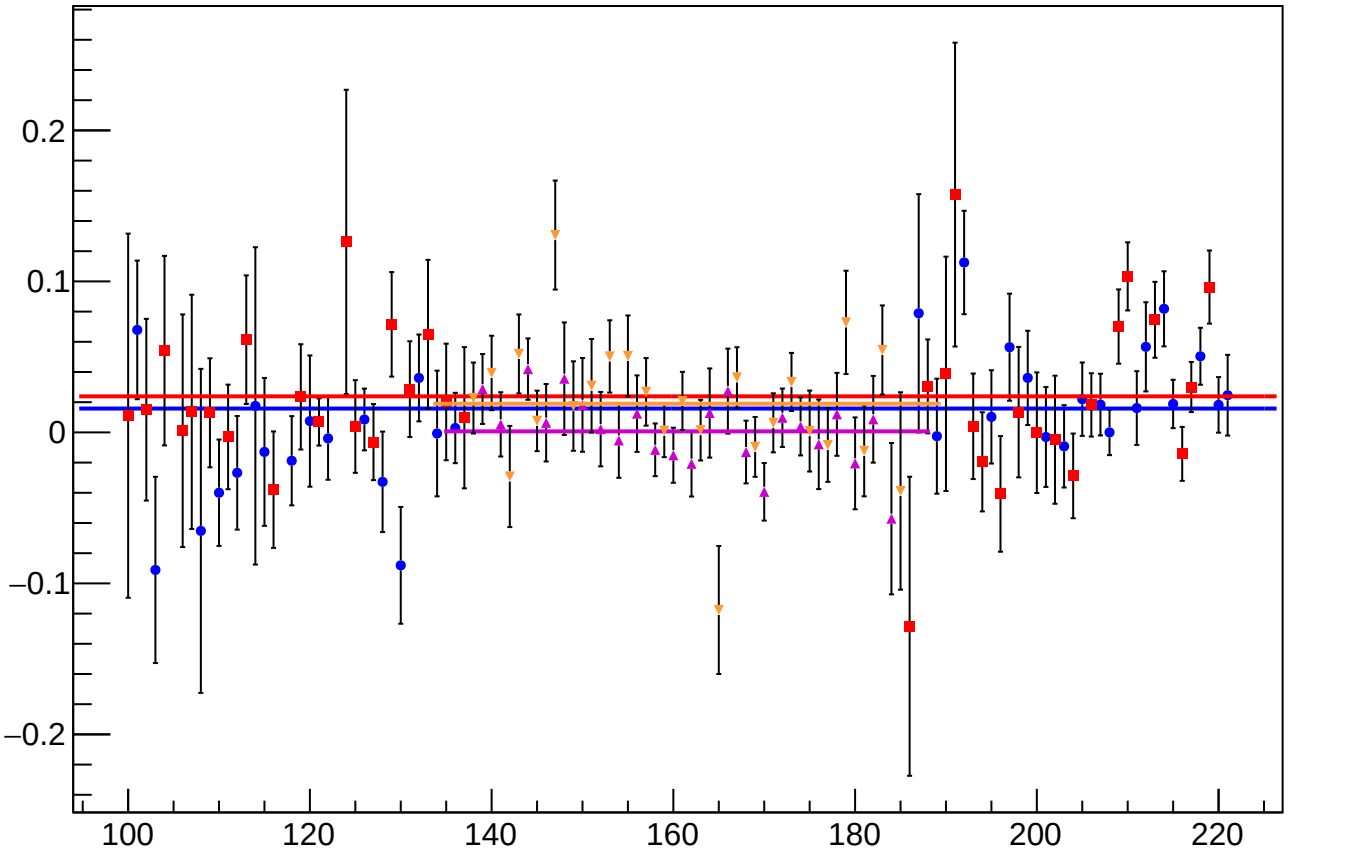
Right Out: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097867.4/58

All: 20.748+/-0.002 χ^2/NDF: 11463814.0/118

- sign 20.914+/-0.003 χ^2/NDF: 6357713.3/59



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

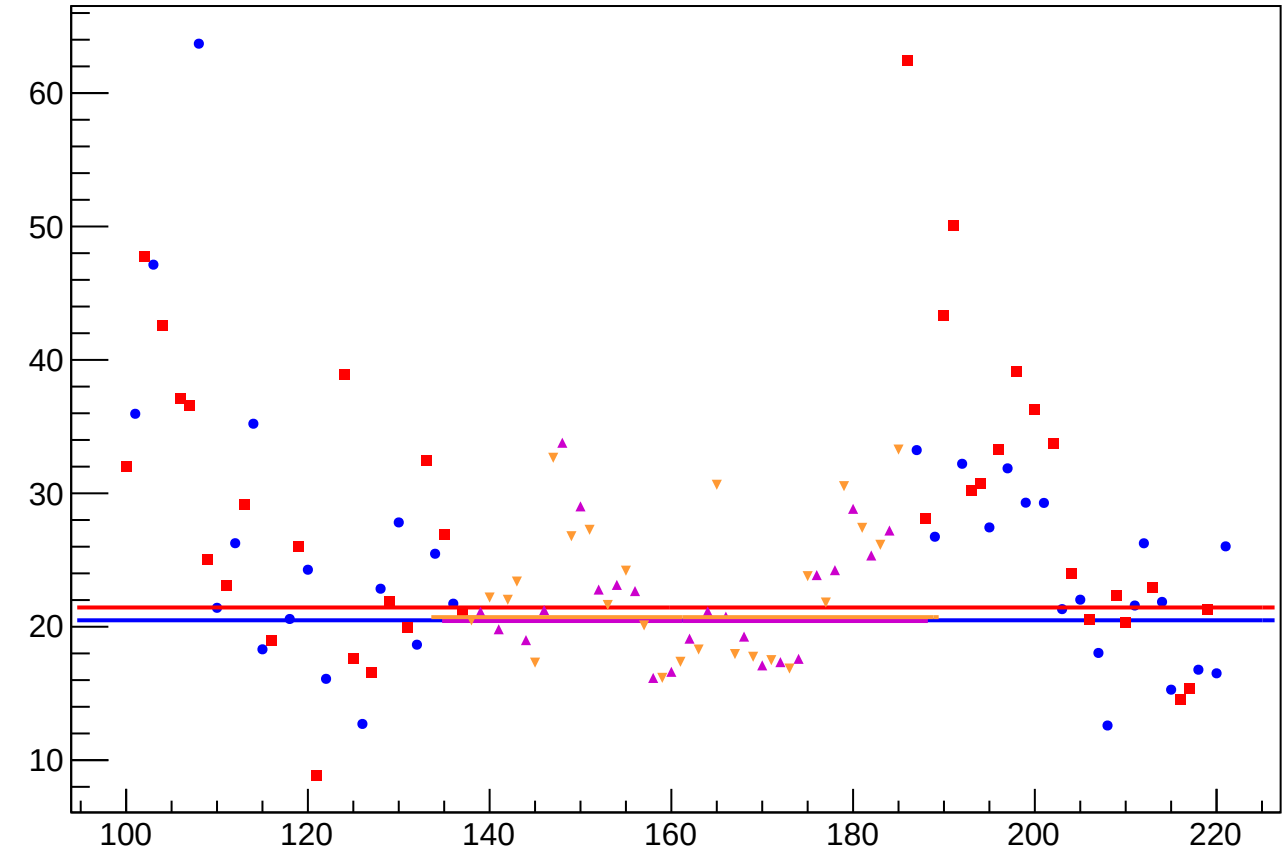
Right Out: 0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 176.1/118

- sign 0.012+/-0.004 χ^2/NDF: 86.7/59



Right In: 20.483+/-0.003 χ^2/NDF: 3589108.6/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

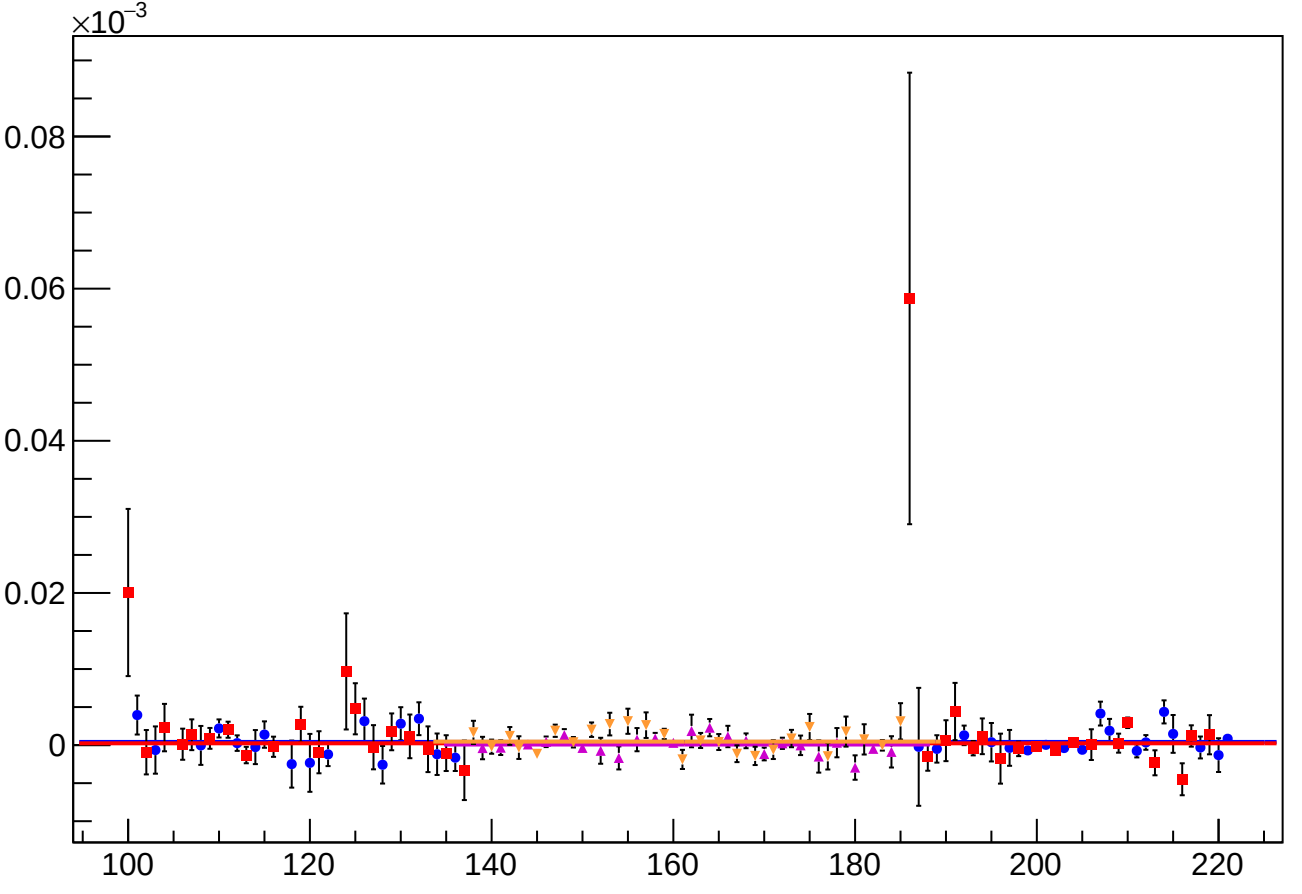
Right Out: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097867.4/58

All: 20.748+/-0.002 χ^2/NDF: 11463814.0/118

- sign 20.914+/-0.003 χ^2/NDF: 6357713.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 46.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

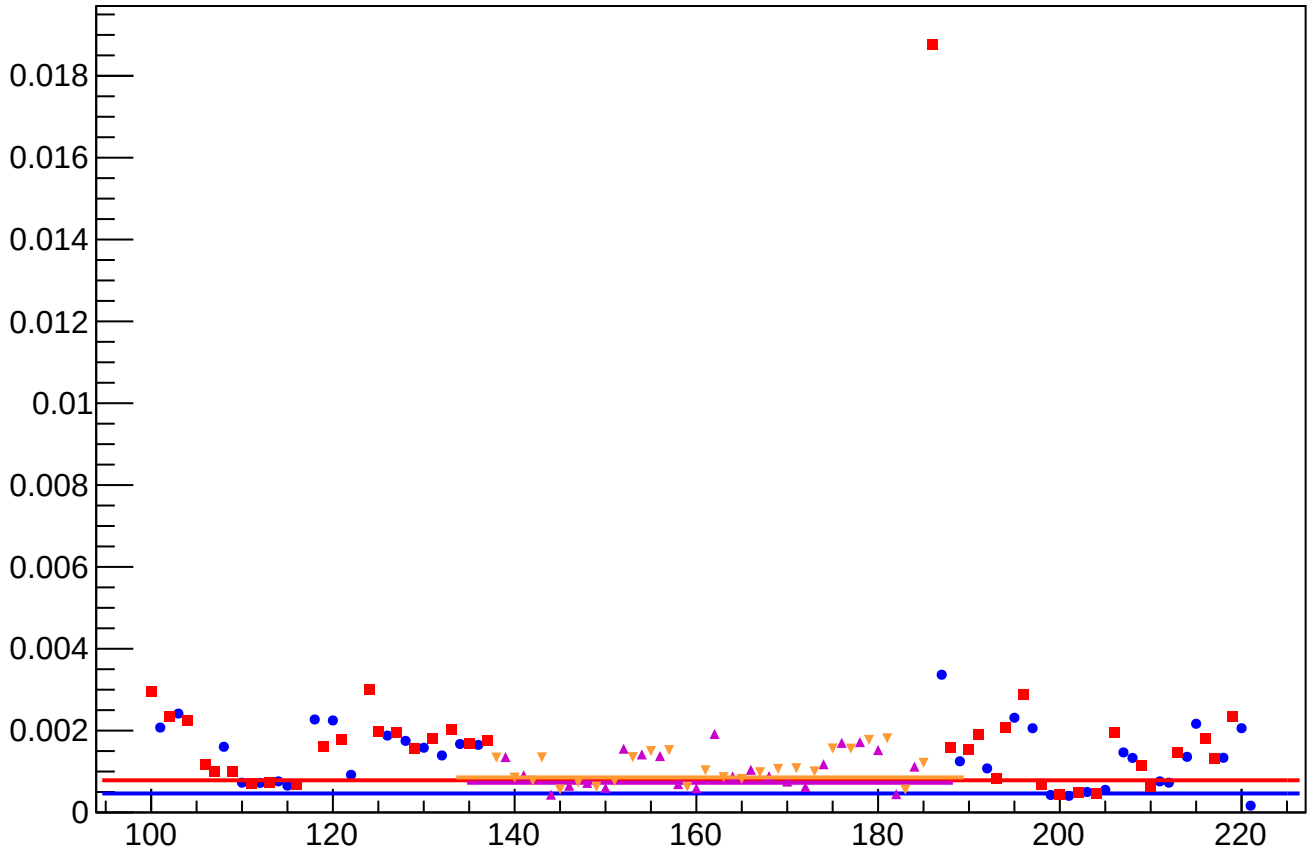
Right Out: 0.000+/-0.000 χ^2/NDF: 50.2/36

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.7/58

All: 0.000+/-0.000 χ^2/NDF: 156.1/118

- sign 0.000+/-0.000 χ^2/NDF: 70.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 19358914.2/33

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

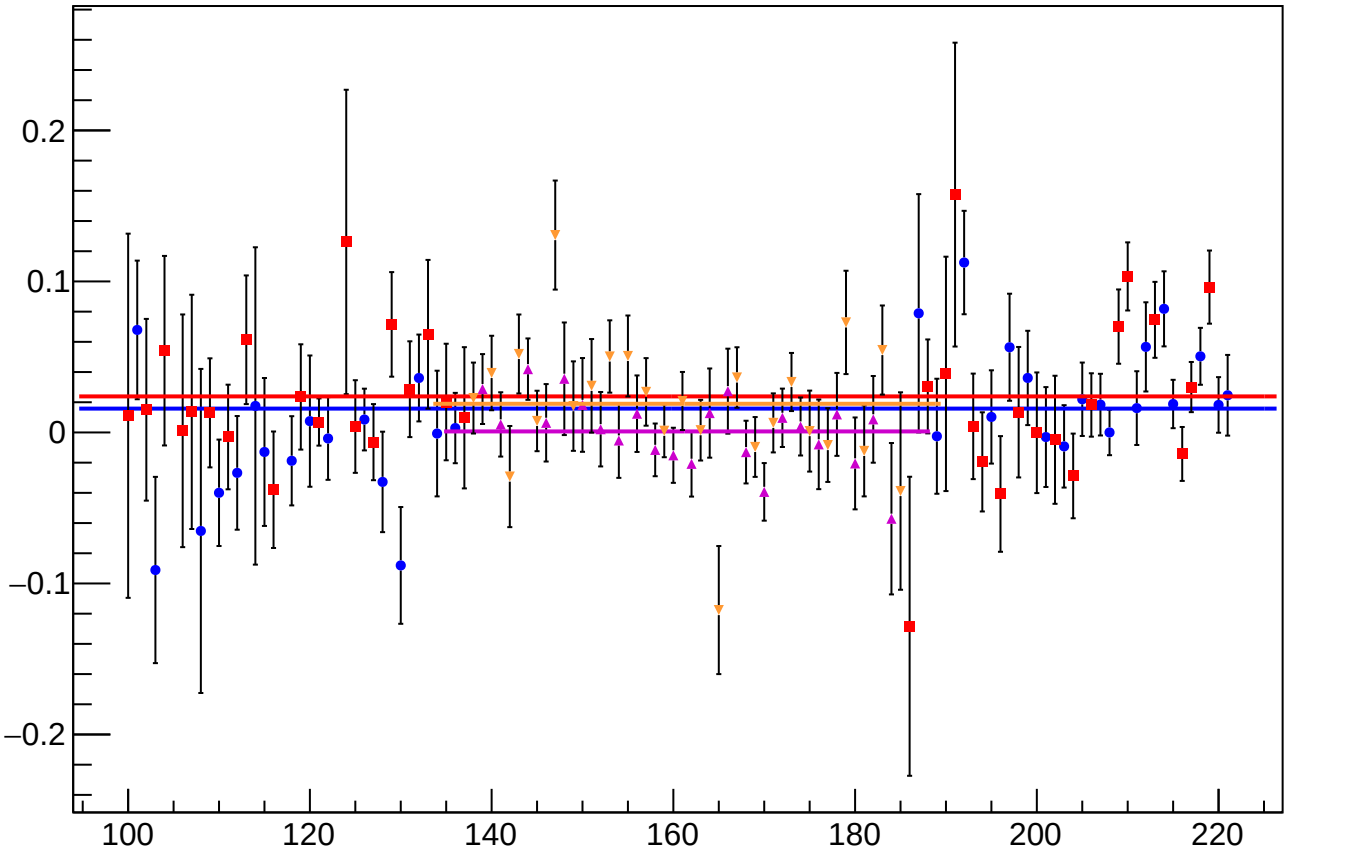
Right Out: 0.001+/-0.000 χ^2/NDF: 11740080.9/36

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

\+ sign 0.001+/-0.000 χ^2/NDF: 28512042.7/58

All: 0.001+/-0.000 χ^2/NDF: 47773129.7/118

\- sign 0.001+/-0.000 χ^2/NDF: 17637931.7/59



Right In: 0.016+/-0.005 χ^2/NDF: 46.8/33

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

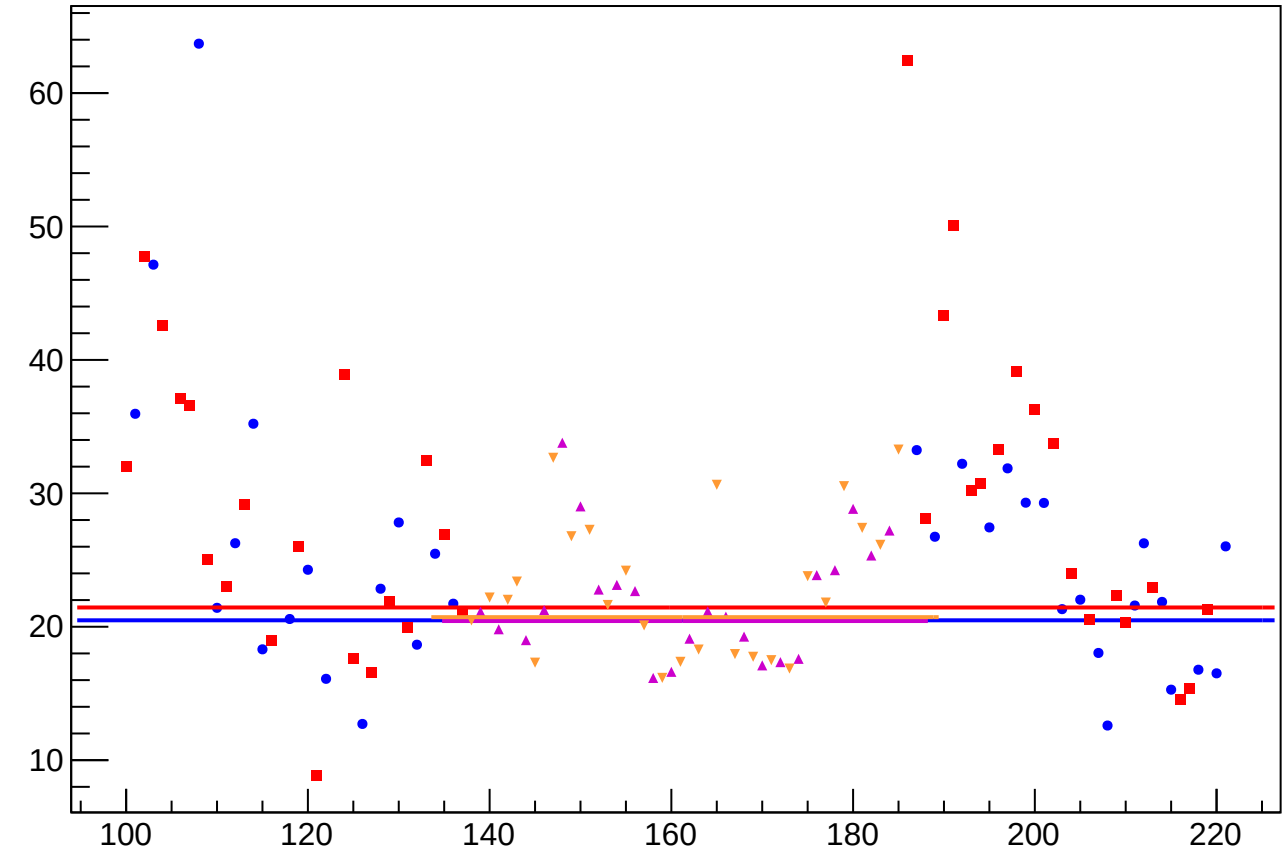
Right Out: 0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.2/58

All: 0.015+/-0.002 χ^2/NDF: 176.1/118

- sign 0.012+/-0.004 χ^2/NDF: 86.7/59



Right In: 20.483+/-0.003 χ^2/NDF: 3589005.9/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

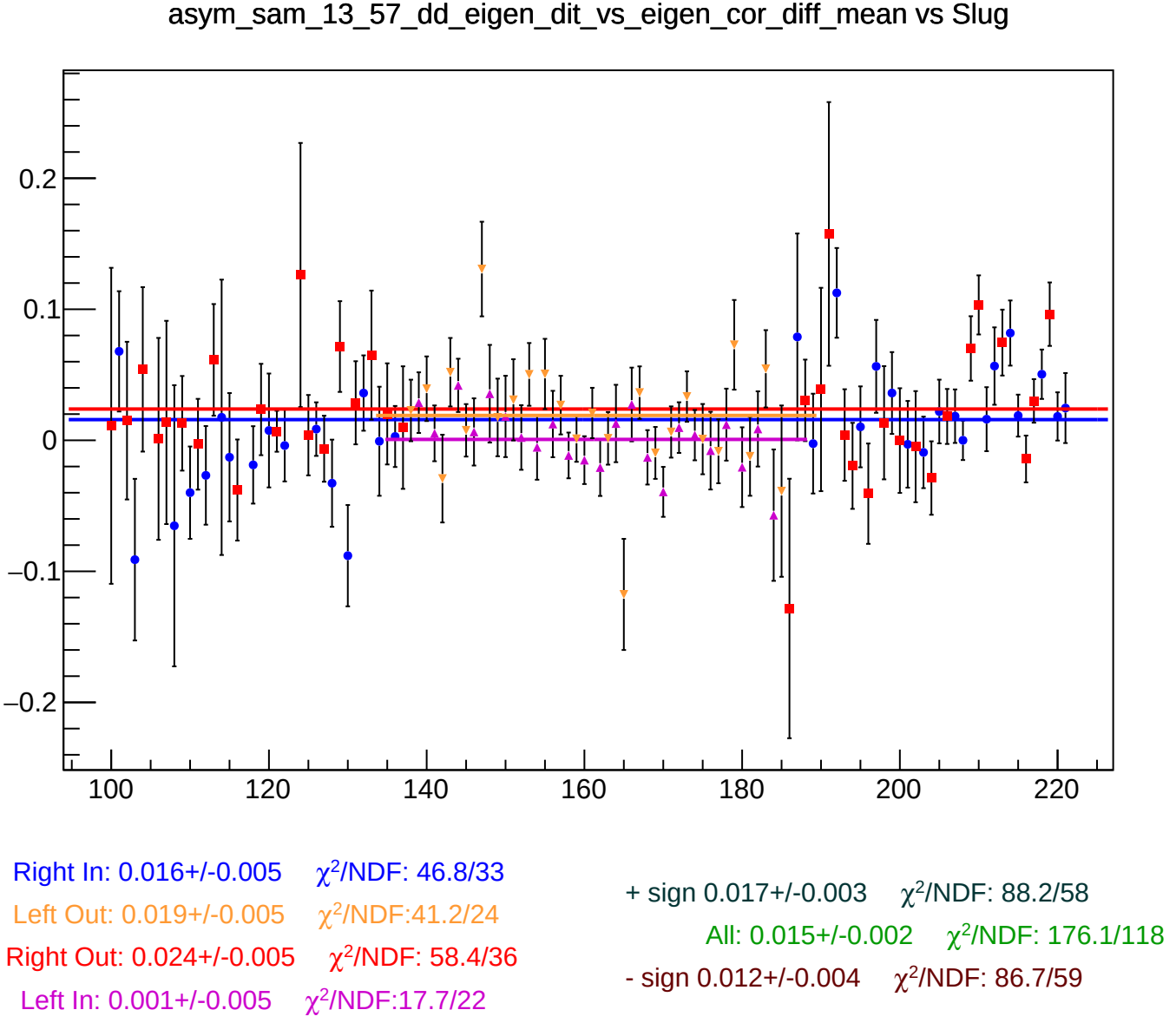
Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

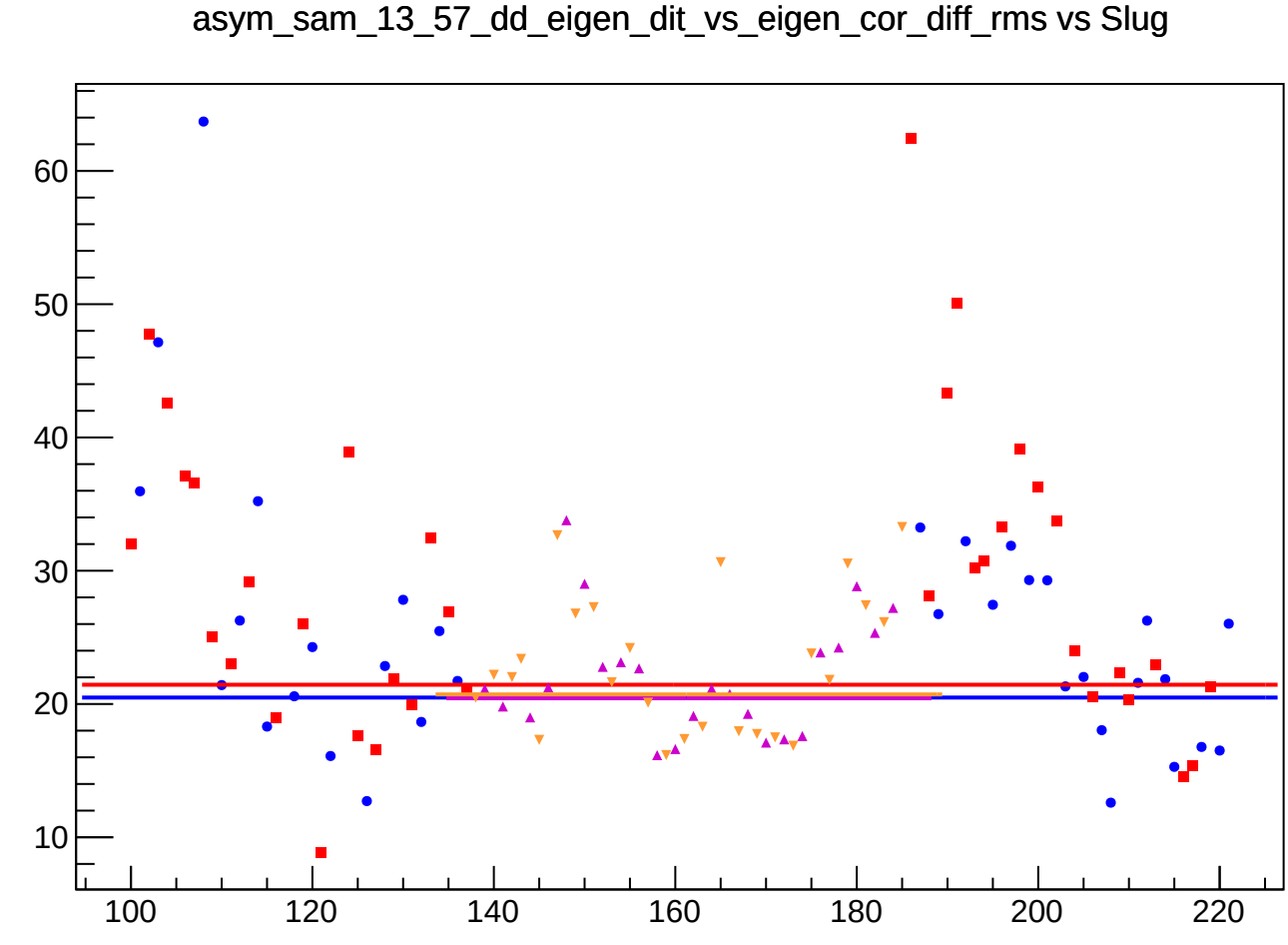
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097862.3/58

All: 20.748+/-0.002 χ^2/NDF: 11463373.2/118

- sign 20.914+/-0.003 χ^2/NDF: 6357270.3/59


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: 0.016+/-0.005 χ²/NDF: 46.8/33
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.024+/-0.005 χ²/NDF: 58.4/36
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.017+/-0.003 χ²/NDF: 88.2/58
All: 0.015+/-0.002 χ²/NDF: 176.1/118
- sign 0.012+/-0.004 χ²/NDF: 86.7/59



Right In: 20.483+/-0.003 χ^2/NDF: 3589005.9/33

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

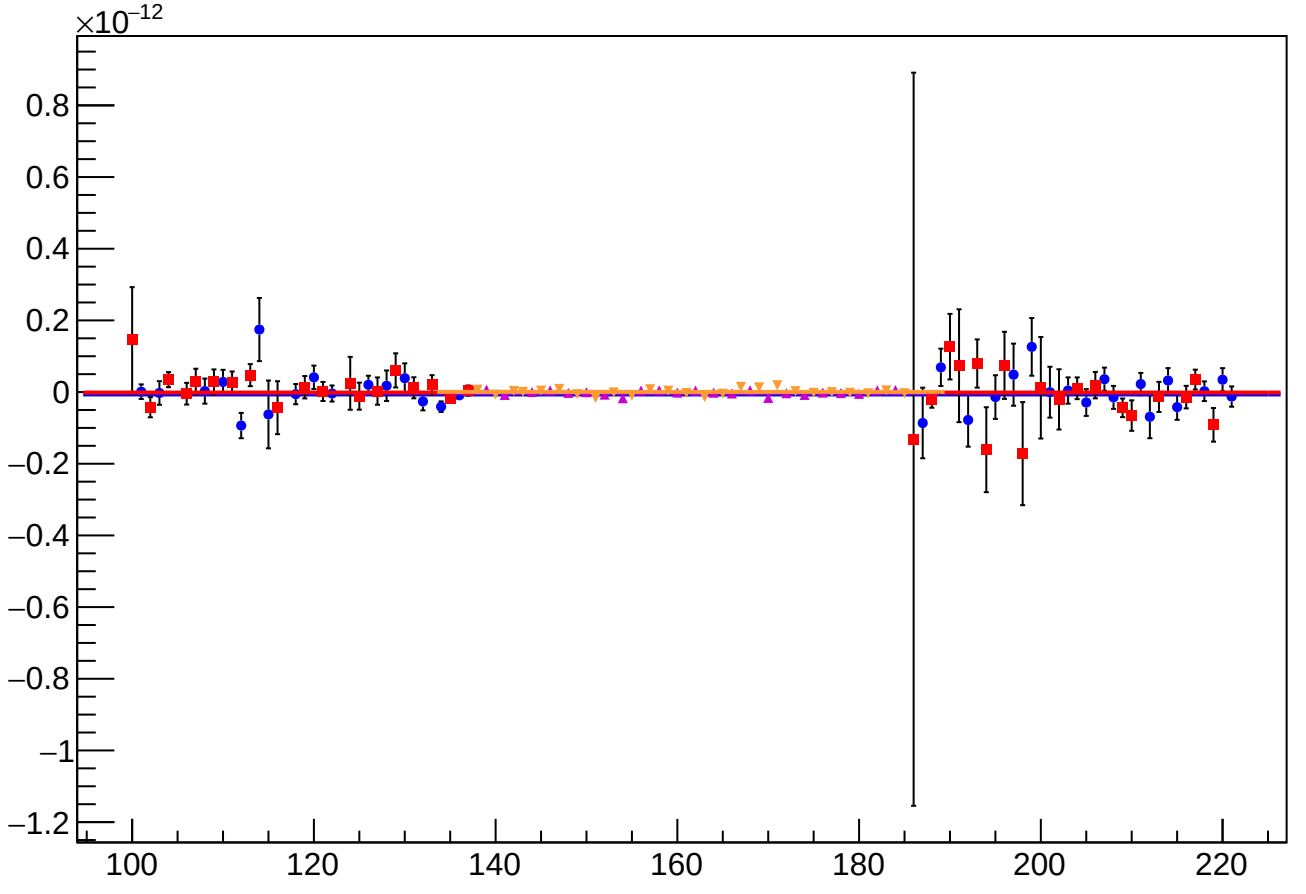
Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.598+/-0.002 χ^2/NDF: 5097862.3/58

All: 20.748+/-0.002 χ^2/NDF: 11463373.2/118

- sign 20.914+/-0.003 χ^2/NDF: 6357270.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

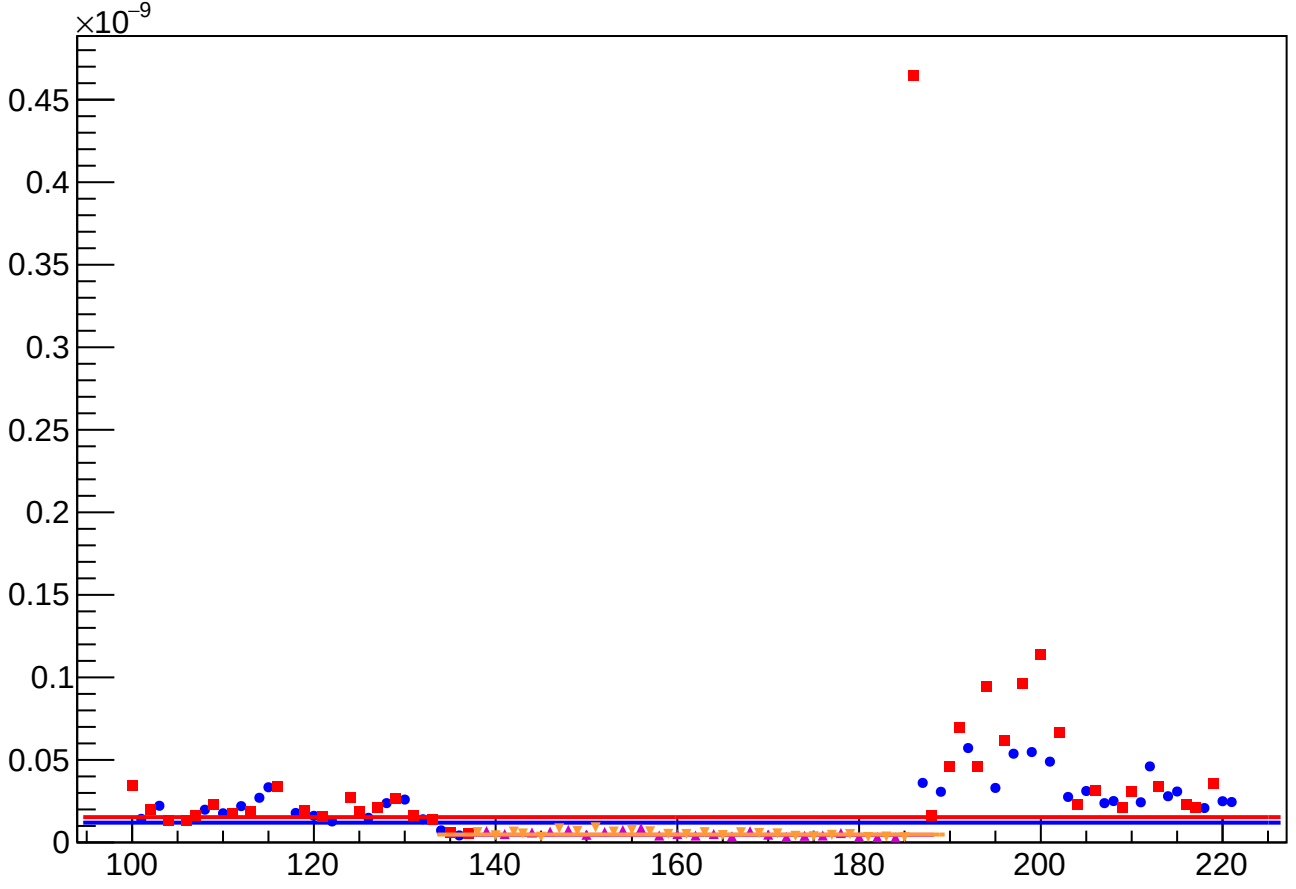
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 69.8/58

All: -0.000+/-0.000 χ^2/NDF: 127.8/118

\- sign -0.000+/-0.000 χ^2/NDF: 57.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 12370571.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10320674.9/36

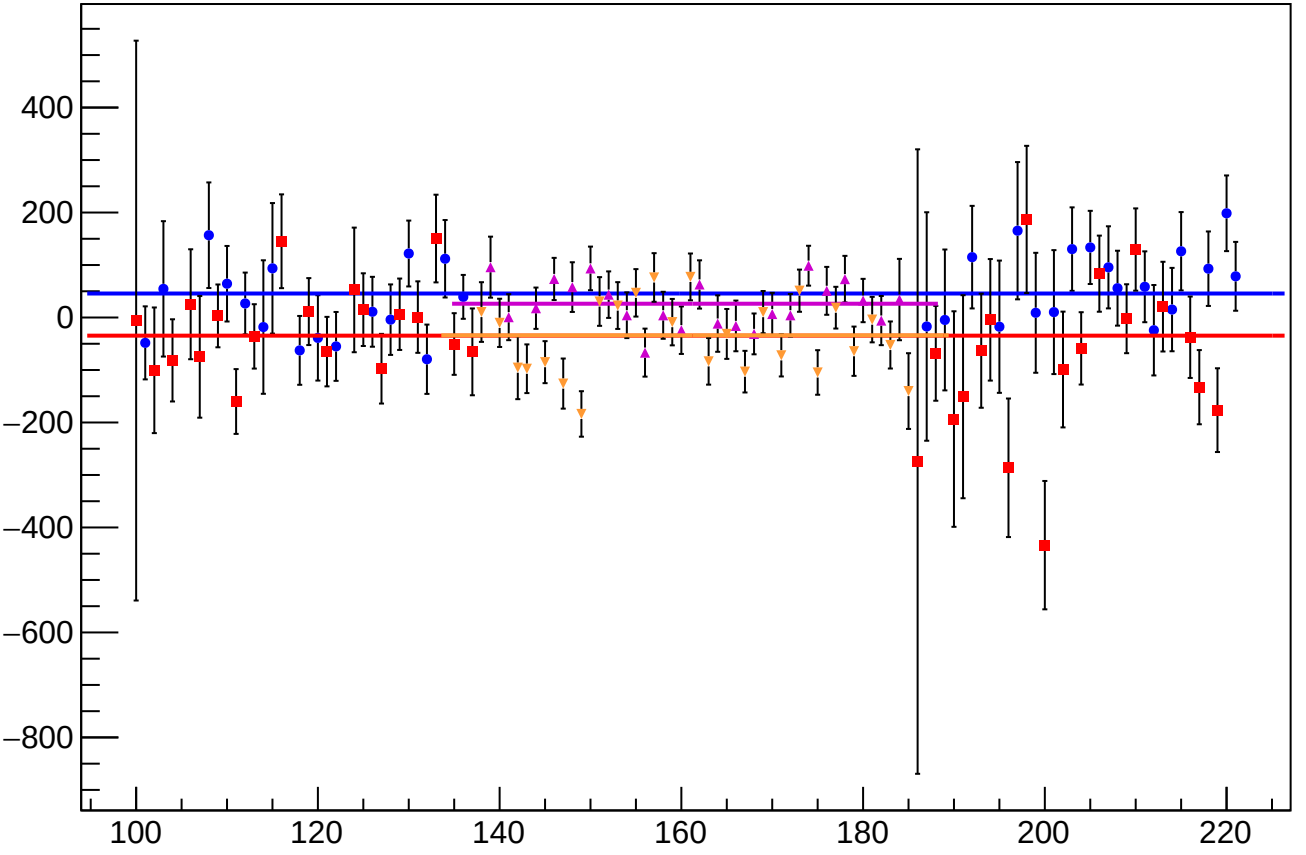
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20192393.5/58

All: 0.000+/-0.000 χ^2/NDF: 41198889.8/118

- sign 0.000+/-0.000 χ^2/NDF: 20993198.8/59

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 45.721+/-13.168 χ^2/NDF: 28.9/33

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.568+/-13.639 χ^2/NDF: 49.6/36

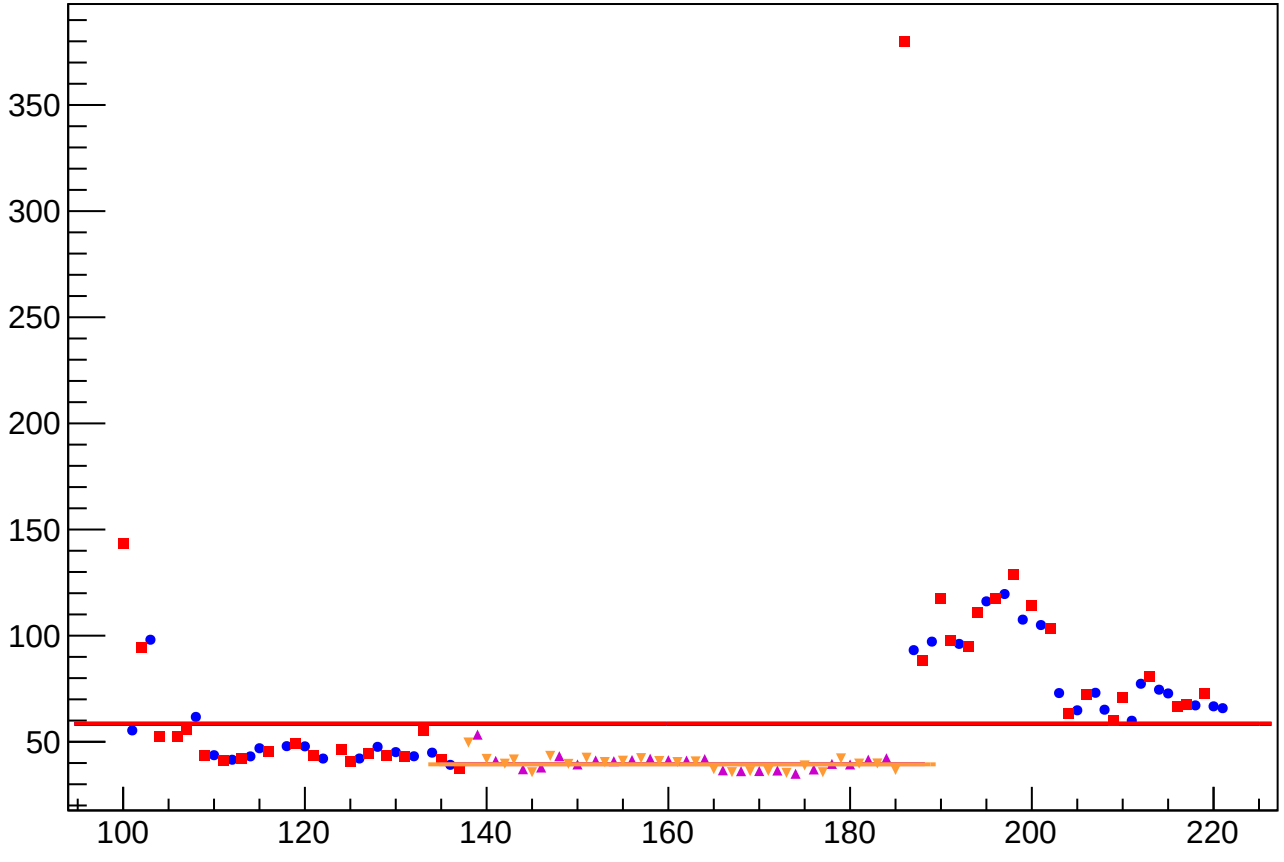
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -8.611+/-7.427 χ^2/NDF: 112.6/58

All: -1.036+/-5.335 χ^2/NDF: 200.3/118

- sign 7.040+/-7.668 χ^2/NDF: 85.6/59

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 58.415+/-0.009 χ^2/NDF: 4120460.4/33

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

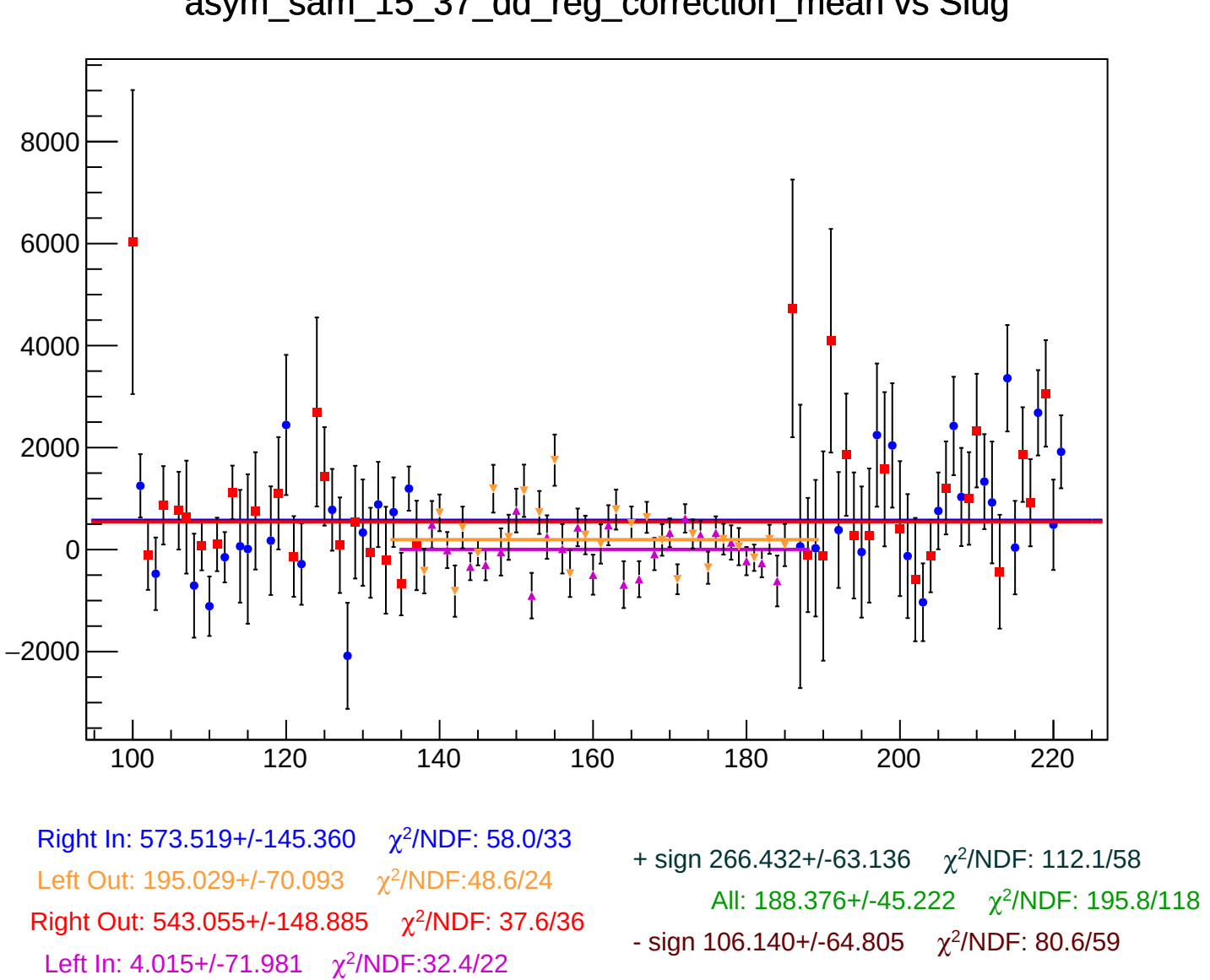
Right Out: 58.632+/-0.010 χ^2/NDF: 5322235.3/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

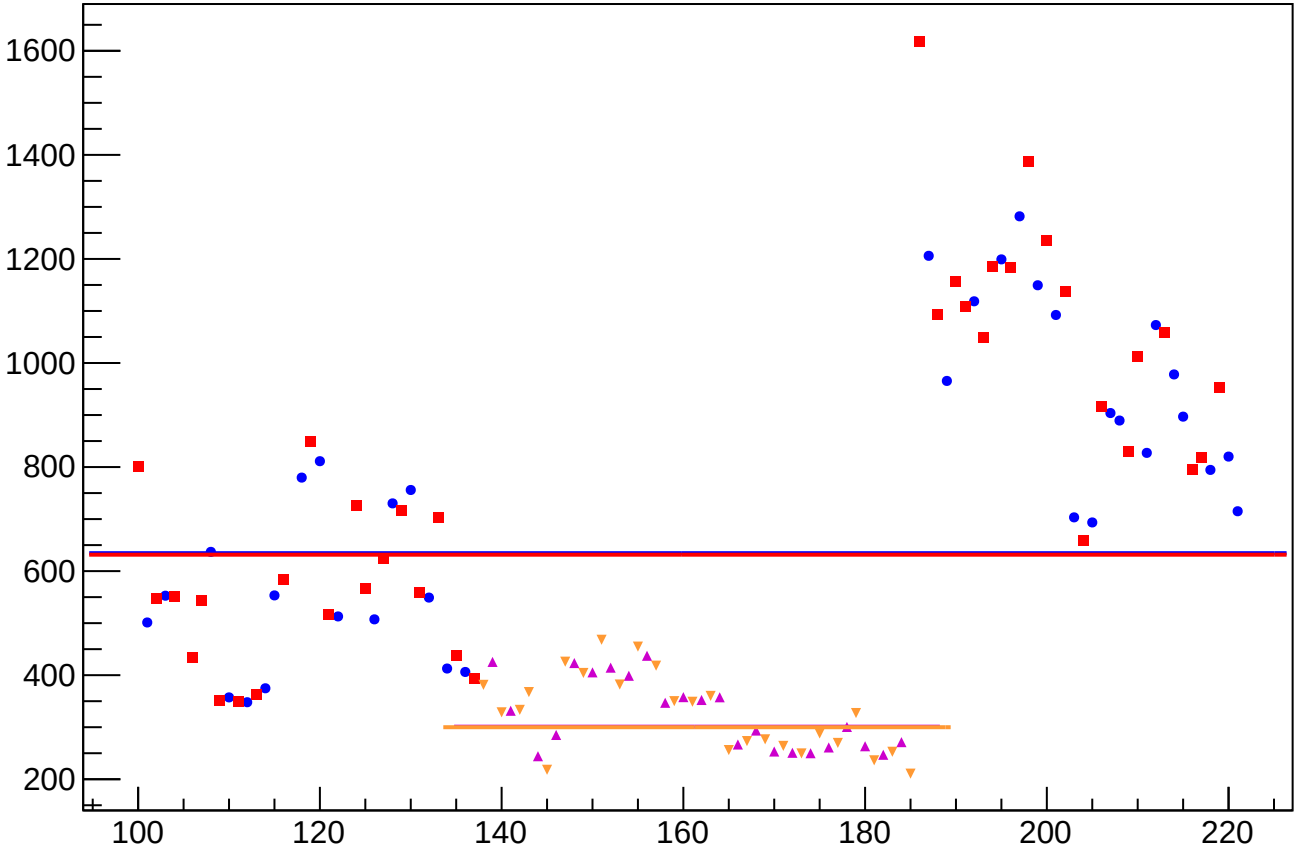
+ sign 45.437+/-0.005 χ^2/NDF: 7198598.5/58

All: 45.487+/-0.004 χ^2/NDF: 15466978.3/118

- sign 45.540+/-0.005 χ^2/NDF: 8268191.6/59


asym_sam_15_37_dd_reg_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 573.519+/-145.360 χ²/NDF: 58.0/33
Left Out: 195.029+/-70.093 χ²/NDF:48.6/24
Right Out: 543.055+/-148.885 χ²/NDF: 37.6/36
Left In: 4.015+/-71.981 χ²/NDF:32.4/22
+ sign 266.432+/-63.136 χ²/NDF: 112.1/58
All: 188.376+/-45.222 χ²/NDF: 195.8/118
- sign 106.140+/-64.805 χ²/NDF: 80.6/59

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 634.471+/-0.103 χ^2/NDF: 5627569.5/33

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 631.584+/-0.105 χ^2/NDF: 6788872.5/36

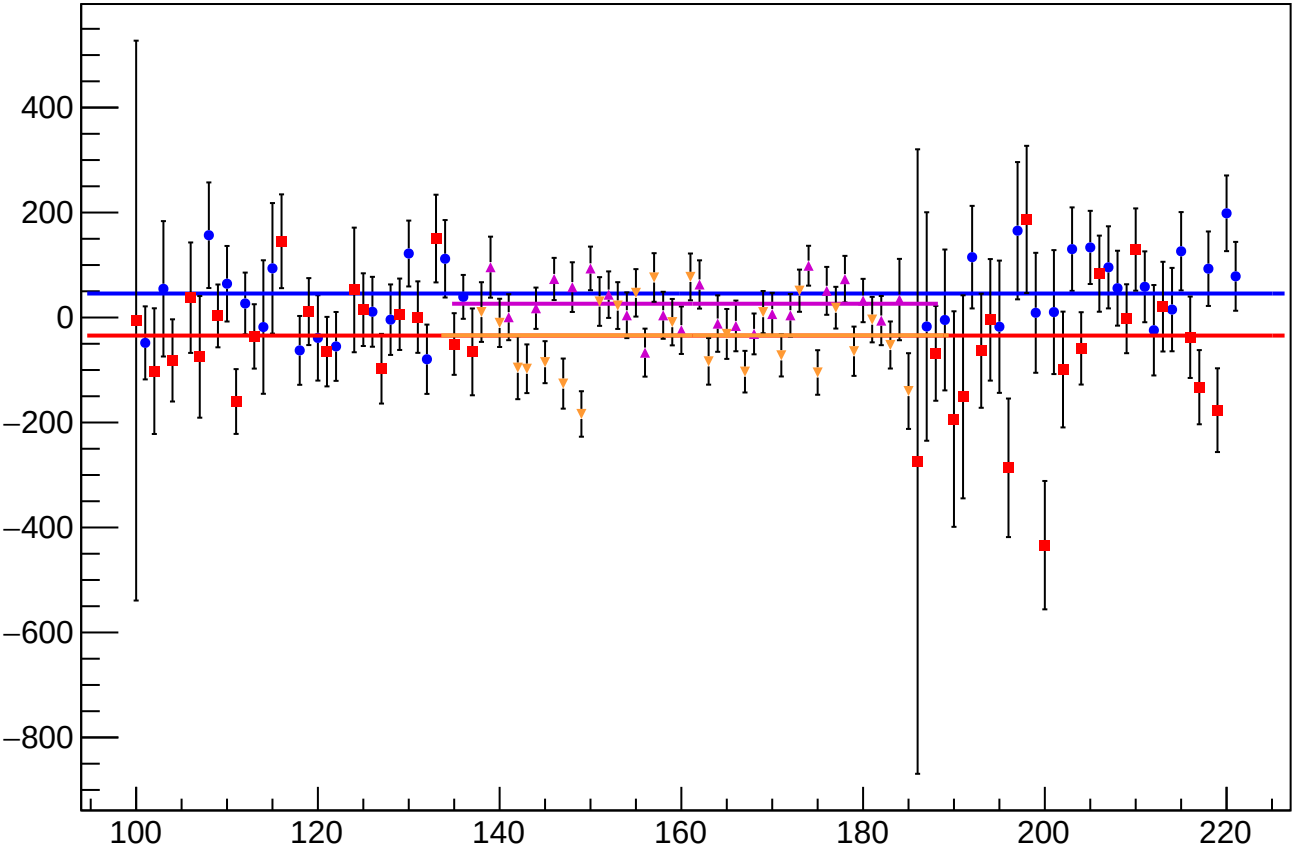
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 363.079+/-0.045 χ^2/NDF: 16028597.0/58

All: 363.348+/-0.032 χ^2/NDF: 32216997.9/11

- sign 363.631+/-0.046 χ^2/NDF: 16188326.6/59

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 45.725+/-13.168 χ^2/NDF: 28.9/33

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.386+/-13.640 χ^2/NDF: 49.7/36

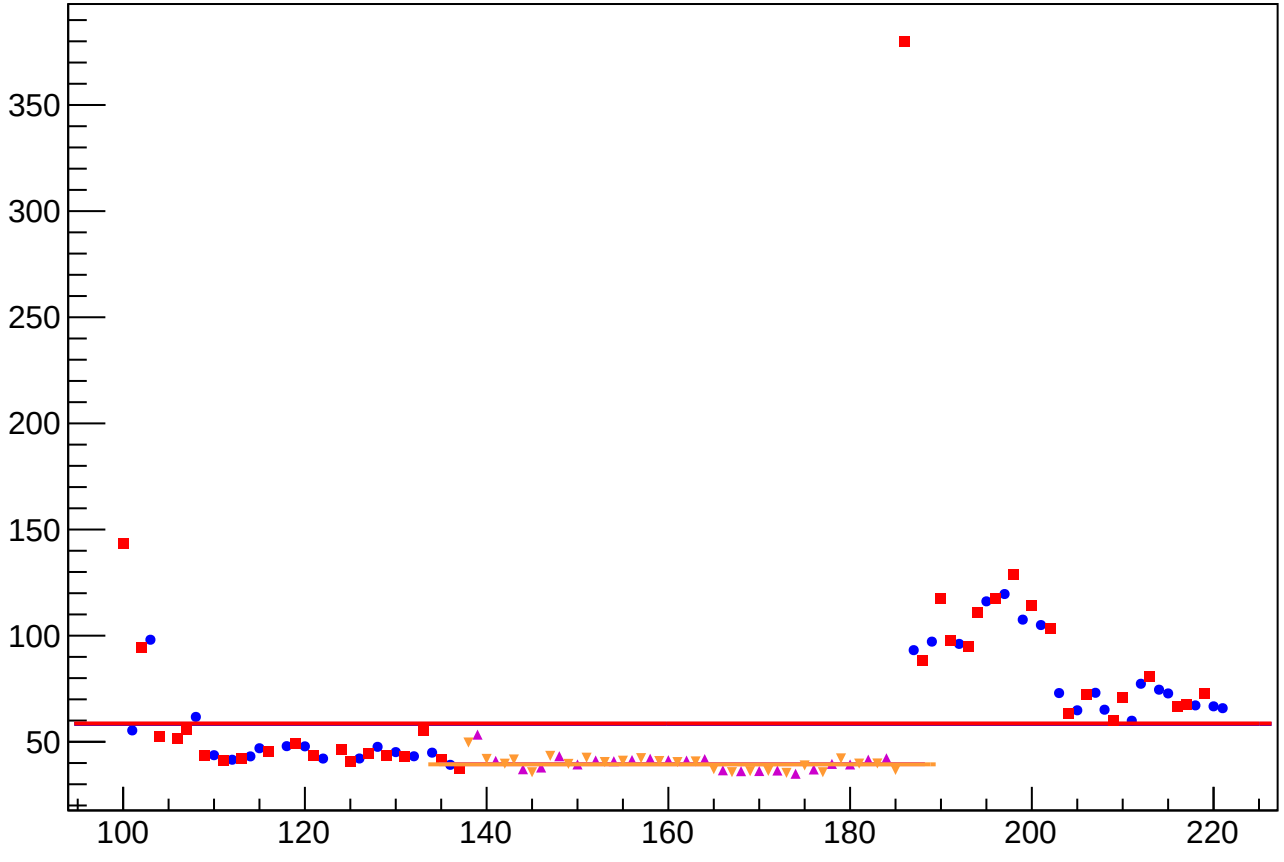
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -8.609+/-7.427 χ^2/NDF: 112.6/58

All: -1.006+/-5.335 χ^2/NDF: 200.4/118

- sign 7.100+/-7.668 χ^2/NDF: 85.7/59

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 58.415+/-0.009 χ^2/NDF: 4120463.5/33

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

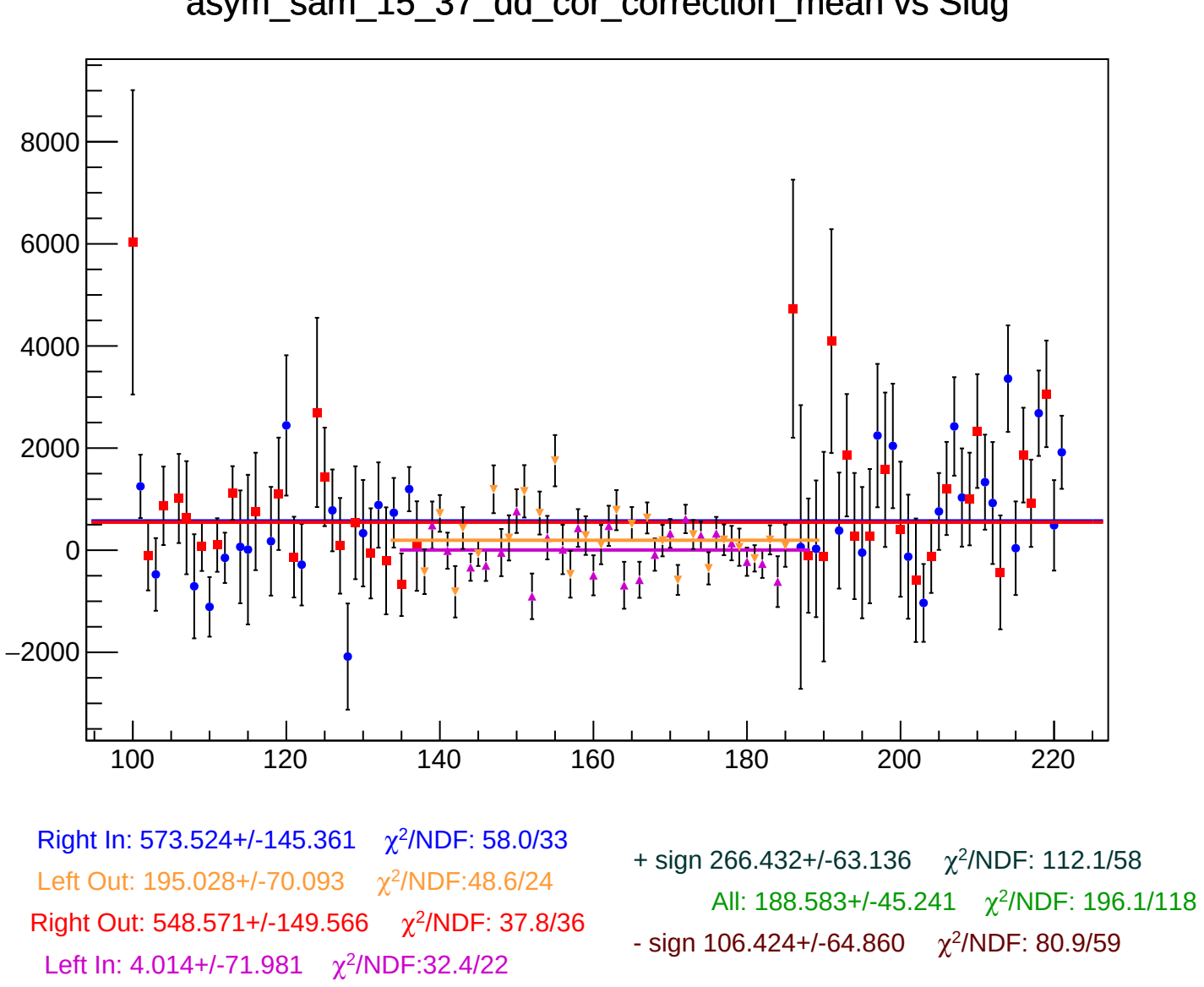
Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

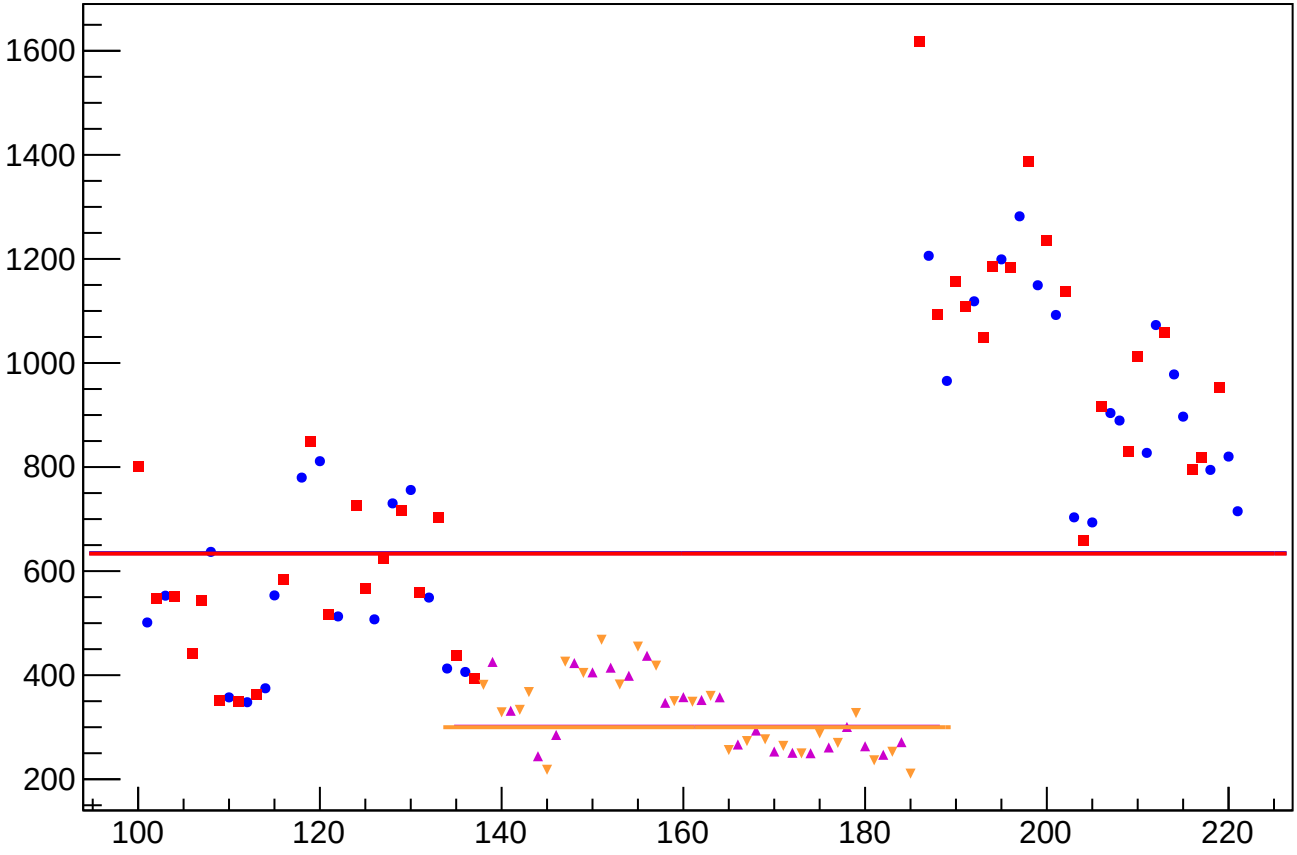
+ sign 45.437+/-0.005 χ^2/NDF: 7198601.4/58

All: 45.485+/-0.004 χ^2/NDF: 15465183.3/118

- sign 45.536+/-0.005 χ^2/NDF: 8266410.2/59


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 573.524+/-145.361 χ²/NDF: 58.0/33
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 548.571+/-149.566 χ²/NDF: 37.8/36
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 266.432+/-63.136 χ²/NDF: 112.1/58
All: 188.583+/-45.241 χ²/NDF: 196.1/118
- sign 106.424+/-64.860 χ²/NDF: 80.9/59

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 634.473+/-0.103 χ^2/NDF: 5627541.8/33

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

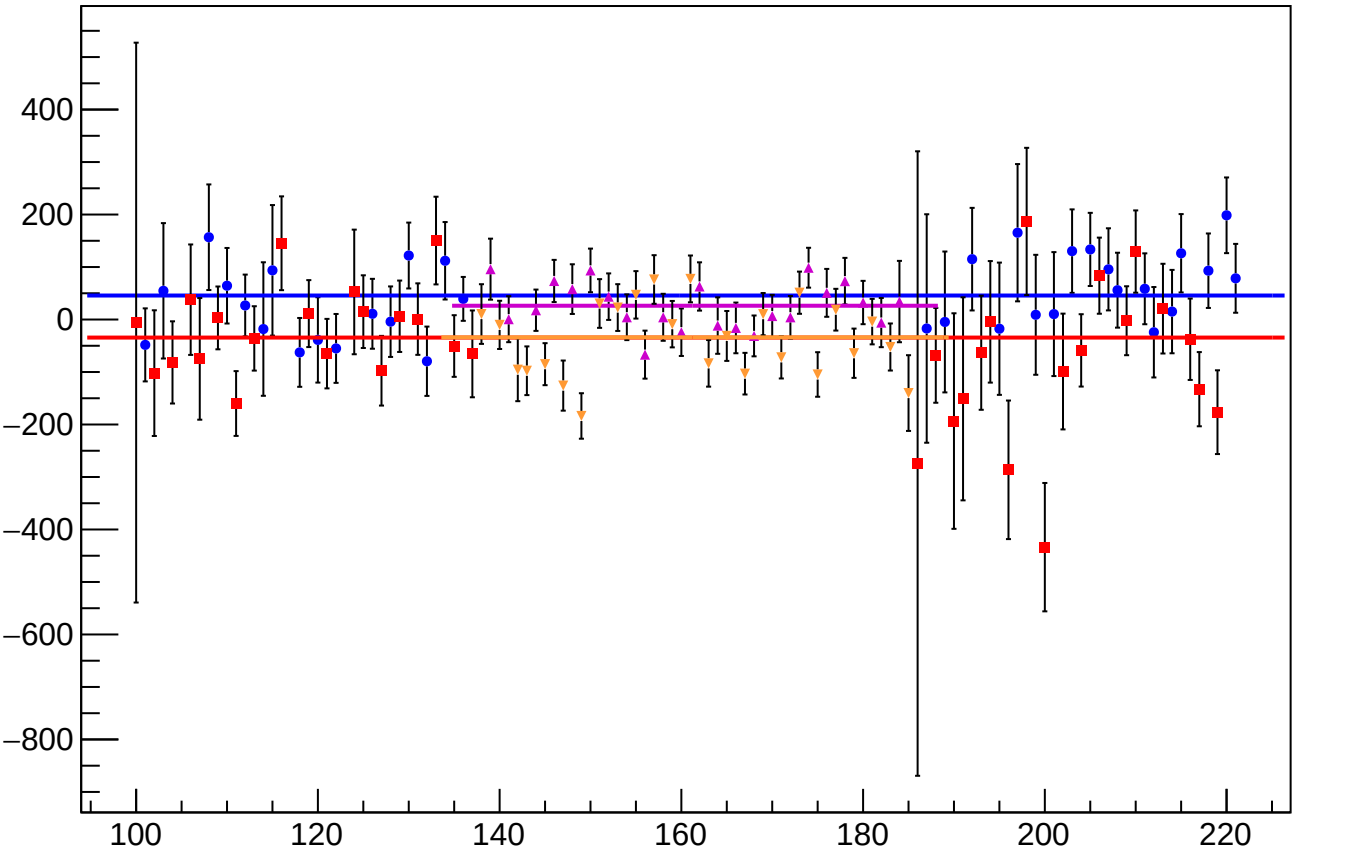
Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 363.080+/-0.045 χ^2/NDF: 16028636.0/58

All: 363.309+/-0.032 χ^2/NDF: 32216244.2/11

- sign 363.552+/-0.046 χ^2/NDF: 16187553.8/59



Right In: 45.725+/-13.168 χ^2/NDF: 28.9/33

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.386+/-13.640 χ^2/NDF: 49.7/36

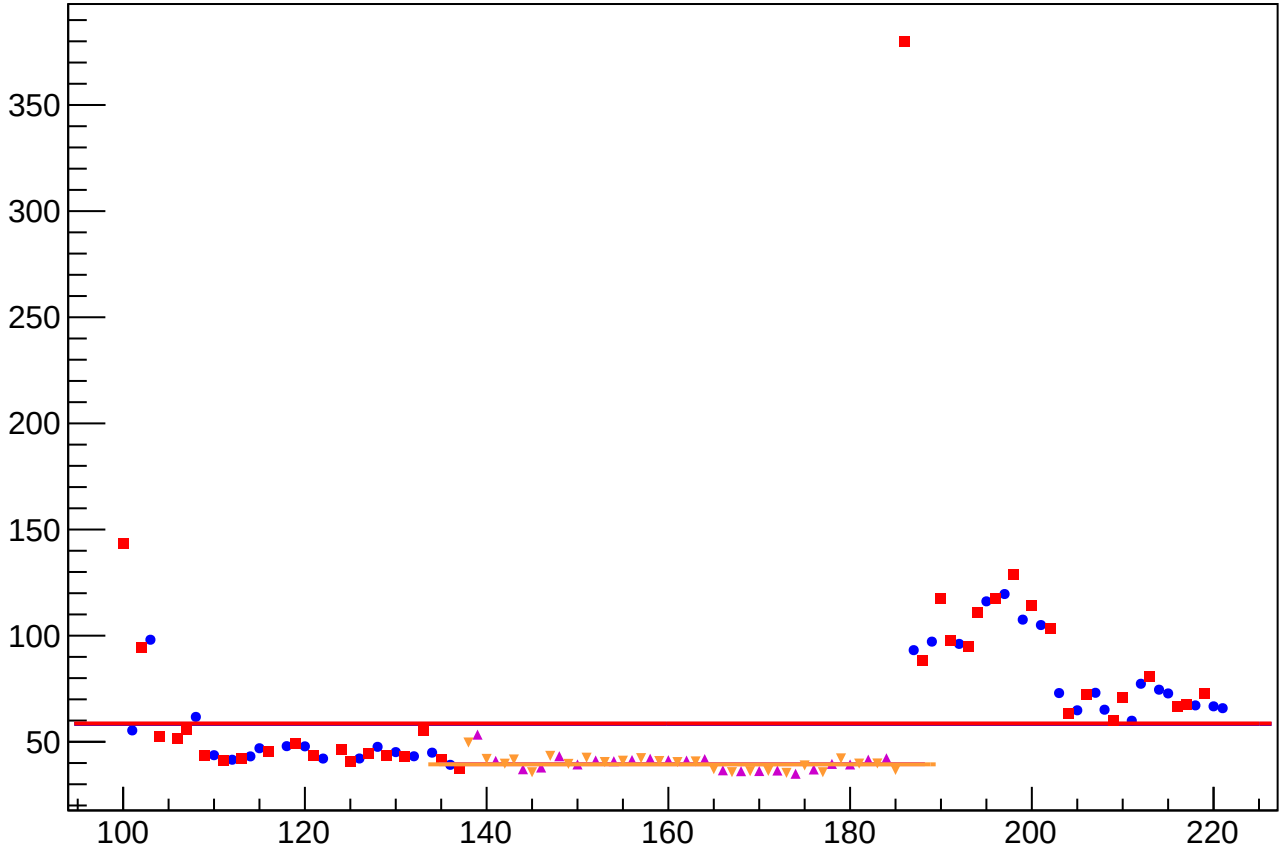
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -8.609+/-7.427 χ^2/NDF: 112.6/58

All: -1.006+/-5.335 χ^2/NDF: 200.4/118

- sign 7.100+/-7.668 χ^2/NDF: 85.7/59

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 58.415+/-0.009 χ^2/NDF: 4120463.5/33

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

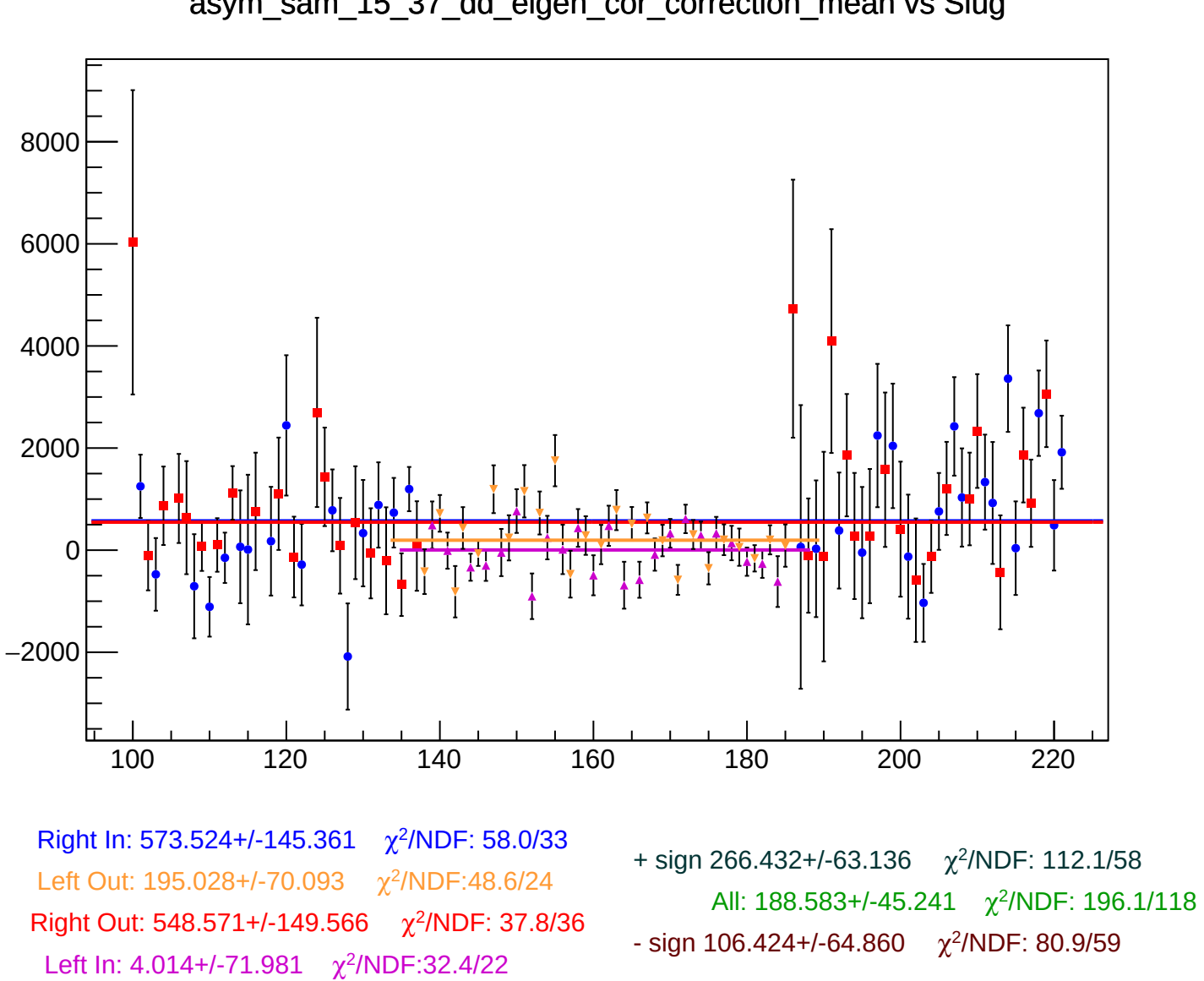
Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

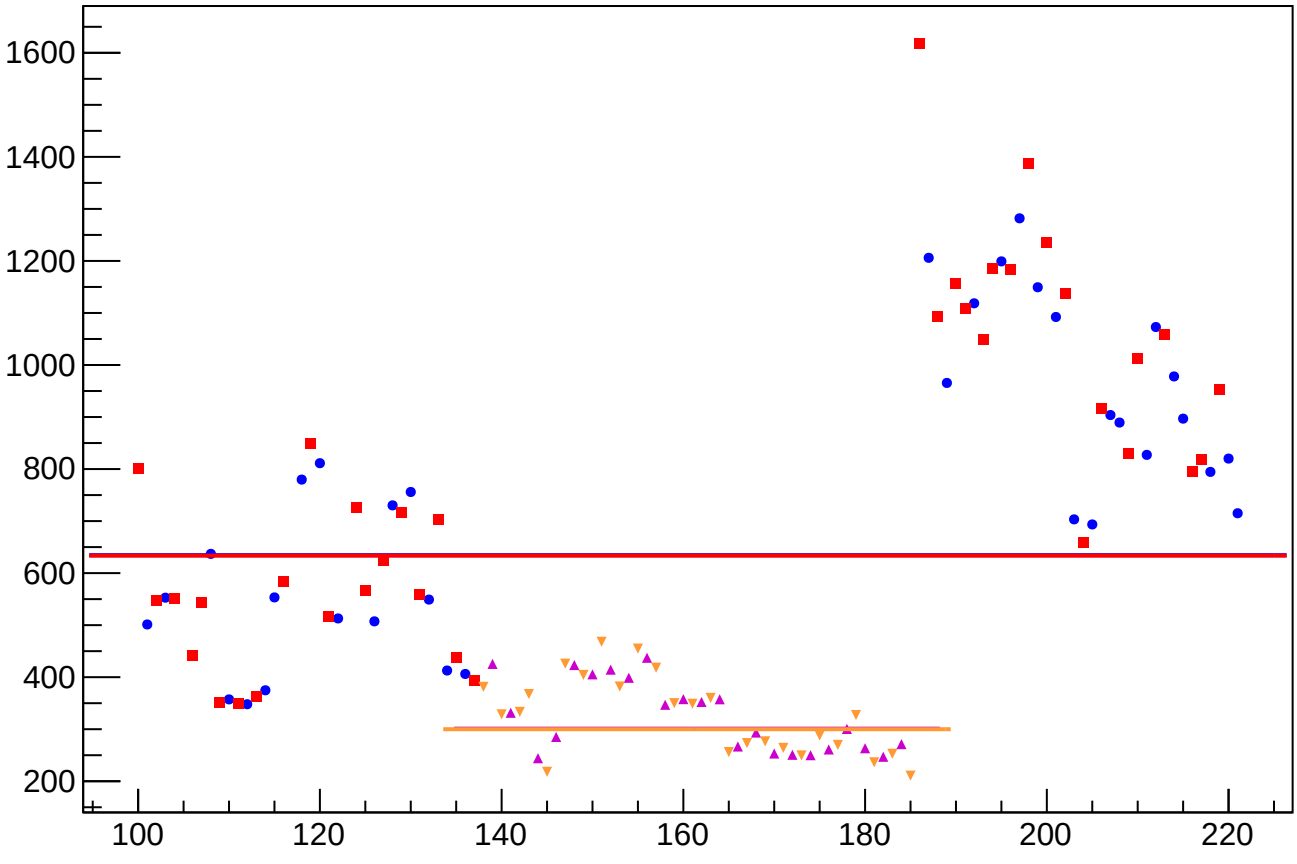
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.437+/-0.005 χ^2/NDF: 7198601.4/58

All: 45.485+/-0.004 χ^2/NDF: 15465183.3/118

- sign 45.536+/-0.005 χ^2/NDF: 8266410.2/59


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 573.524+/-145.361 χ²/NDF: 58.0/33
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 548.571+/-149.566 χ²/NDF: 37.8/36
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 266.432+/-63.136 χ²/NDF: 112.1/58
All: 188.583+/-45.241 χ²/NDF: 196.1/118
- sign 106.424+/-64.860 χ²/NDF: 80.9/59



Right In: 634.473+/-0.103 χ^2/NDF: 5627541.8/33

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

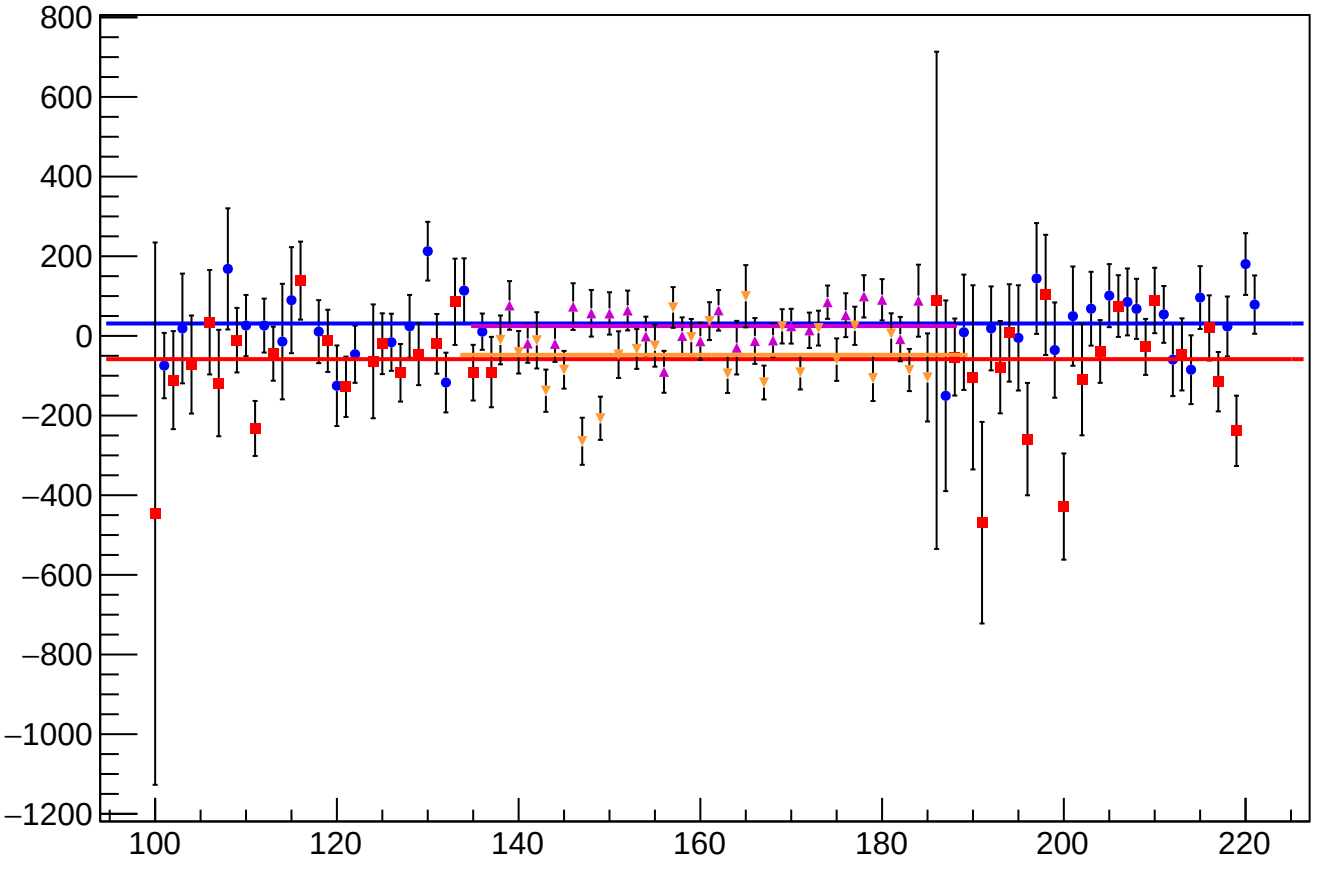
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 363.080+/-0.045 χ^2/NDF: 16028636.0/58

All: 363.309+/-0.032 χ^2/NDF: 32216244.2/11

- sign 363.552+/-0.046 χ^2/NDF: 16187553.8/59

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 31.165+/-14.634 χ^2/NDF: 29.0/33

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -58.420+/-15.454 χ^2/NDF: 42.3/36

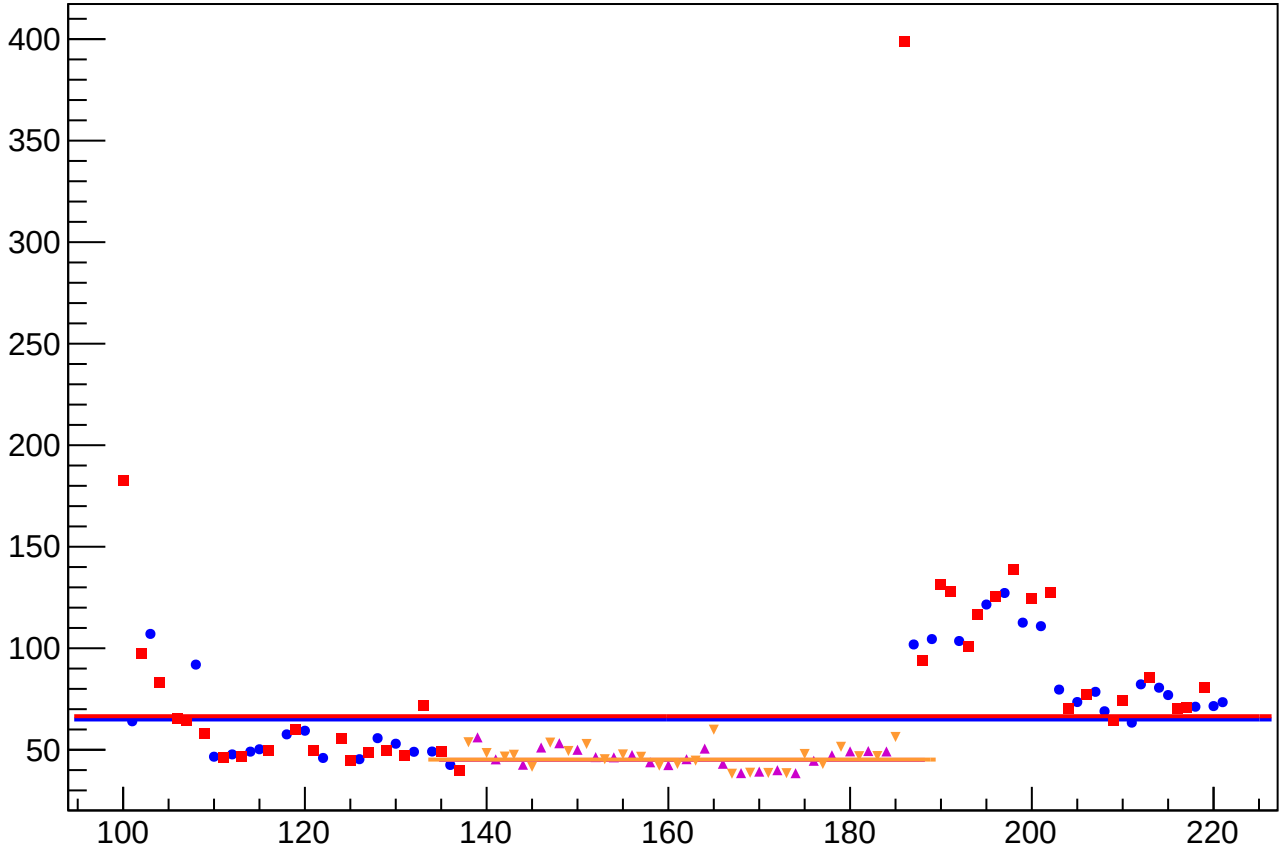
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -21.116+/-8.473 χ^2/NDF: 102.9/58

All: -11.944+/-6.095 χ^2/NDF: 186.9/118

- sign -2.106+/-8.775 χ^2/NDF: 81.5/59

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.928+/-0.010 χ^2/NDF: 3777603.7/33

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.535+/-0.011 χ^2/NDF: 4895241.5/36

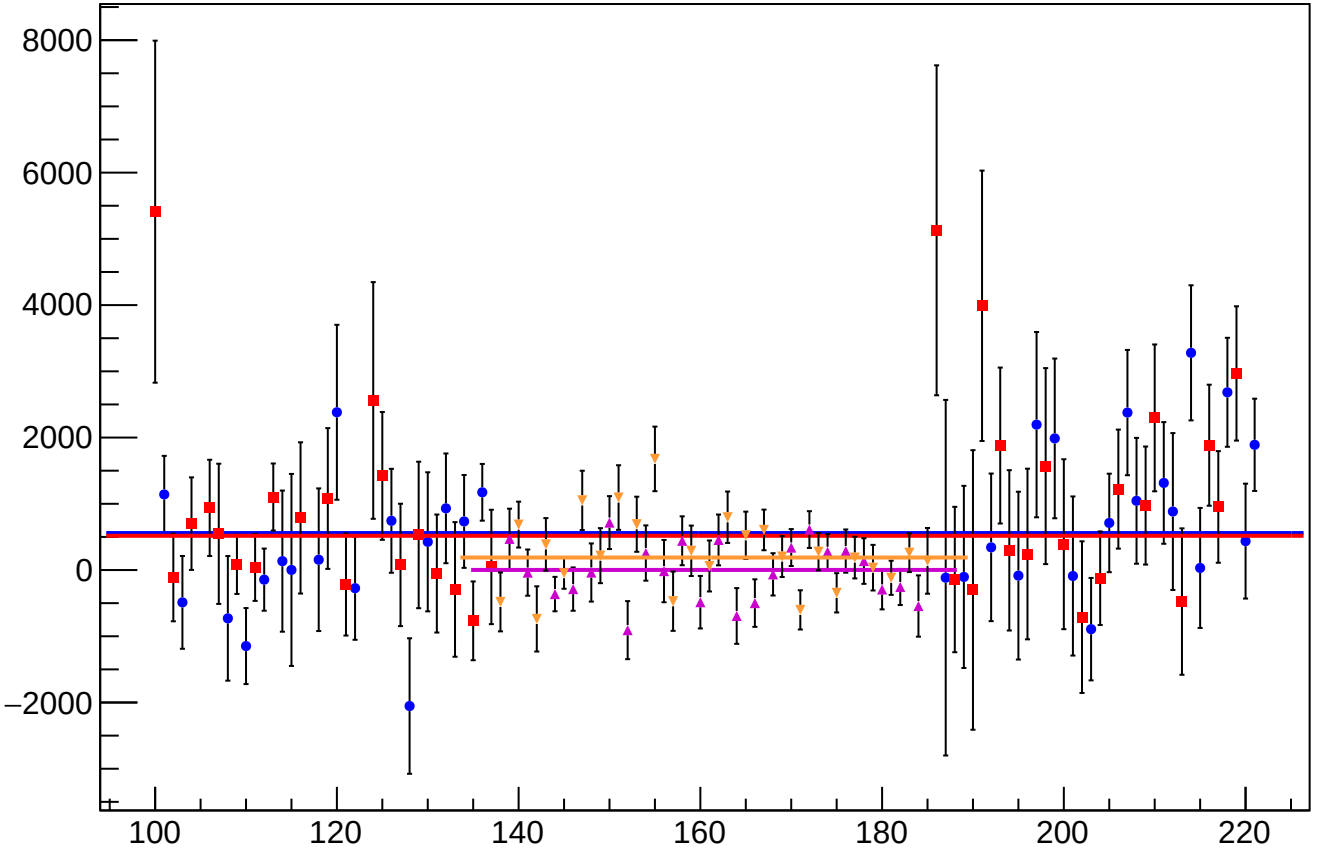
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 51.797+/-0.006 χ^2/NDF: 6689742.5/58

All: 51.873+/-0.004 χ^2/NDF: 14585366.9/118

- sign 51.955+/-0.006 χ^2/NDF: 7895288.9/59

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 558.141+/-142.553 χ^2/NDF: 58.3/33

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 517.048+/-144.080 χ^2/NDF: 41.1/36

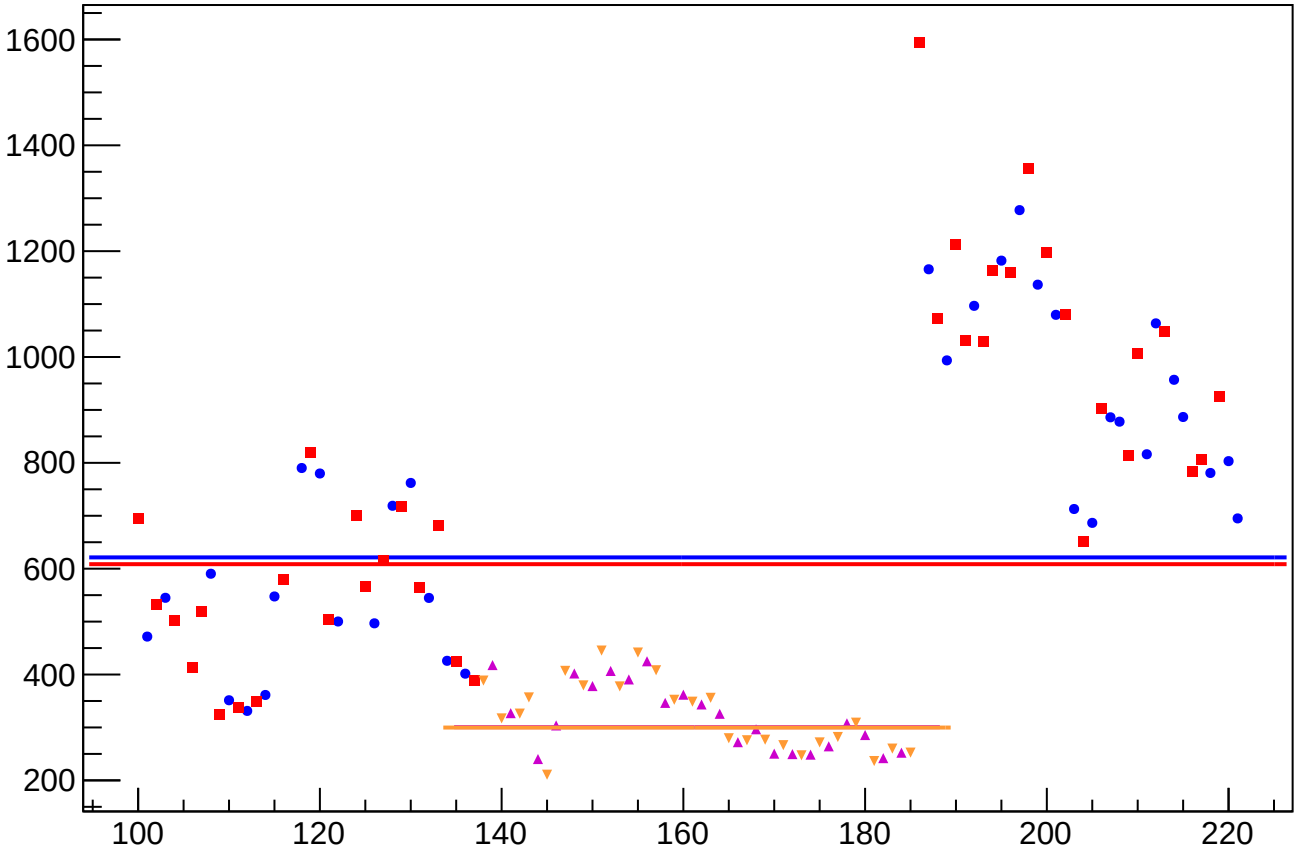
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 260.093+/-62.626 χ^2/NDF: 110.5/58

All: 183.975+/-44.829 χ^2/NDF: 197.1/118

- sign 103.983+/-64.200 χ^2/NDF: 83.6/59

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 621.339+/-0.101 χ^2/NDF: 5789166.8/33

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 608.525+/-0.102 χ^2/NDF: 7131841.3/36

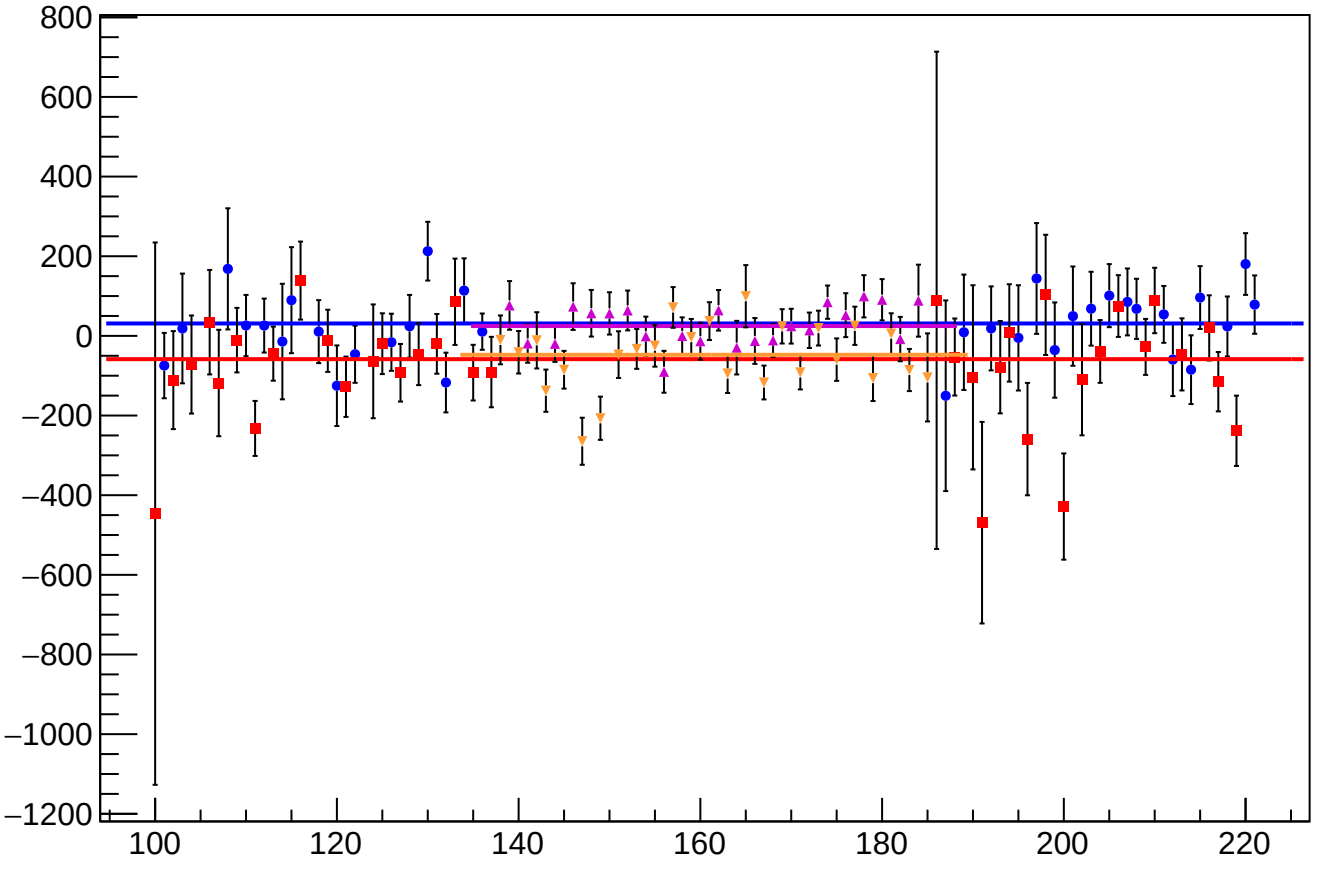
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 361.856+/-0.044 χ^2/NDF: 15578143.4/58

All: 361.776+/-0.032 χ^2/NDF: 31293275.1/11

- sign 361.692+/-0.045 χ^2/NDF: 15715125.1/59

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 31.165+/-14.634 χ^2/NDF: 29.0/33

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -58.421+/-15.454 χ^2/NDF: 42.3/36

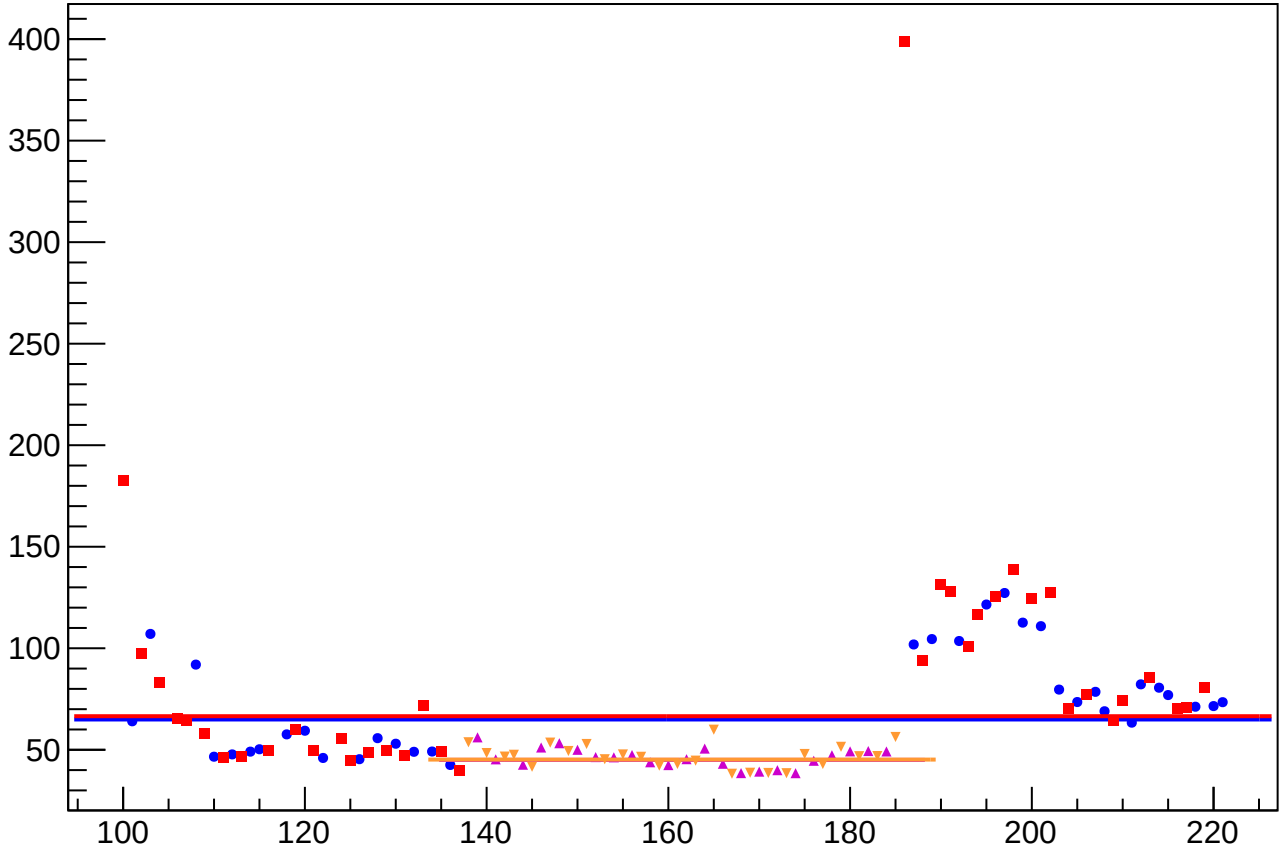
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -21.117+/-8.473 χ^2/NDF: 102.9/58

All: -11.944+/-6.095 χ^2/NDF: 186.9/118

- sign -2.106+/-8.775 χ^2/NDF: 81.5/59

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.928+/-0.010 χ^2/NDF: 3777604.8/33

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

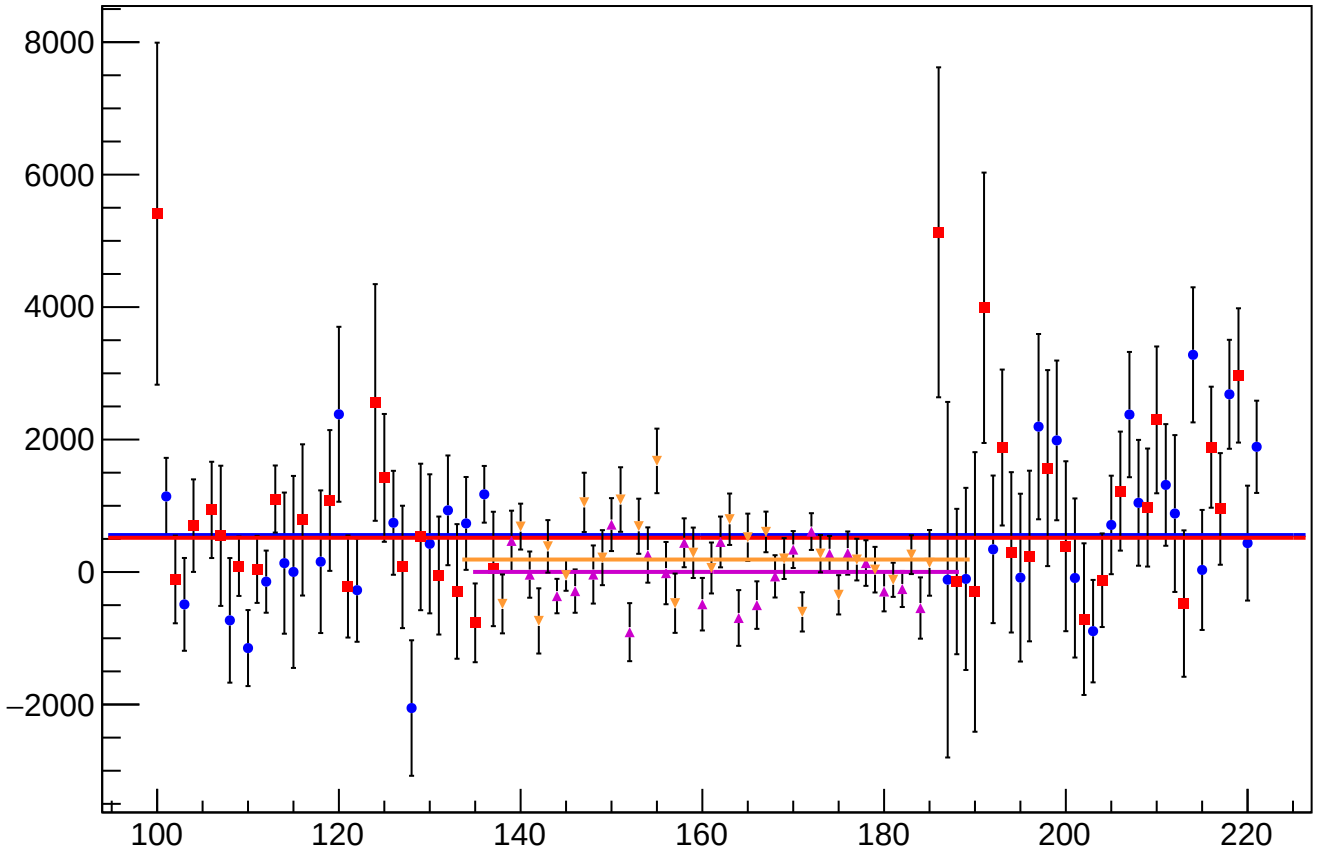
Right Out: 66.535+/-0.011 χ^2/NDF: 4895242.7/36

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 51.797+/-0.006 χ^2/NDF: 6689739.2/58

All: 51.873+/-0.004 χ^2/NDF: 14585361.6/118

- sign 51.955+/-0.006 χ^2/NDF: 7895286.6/59



Right In: 558.139+/-142.553 χ^2/NDF: 58.3/33

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 517.048+/-144.080 χ^2/NDF: 41.1/36

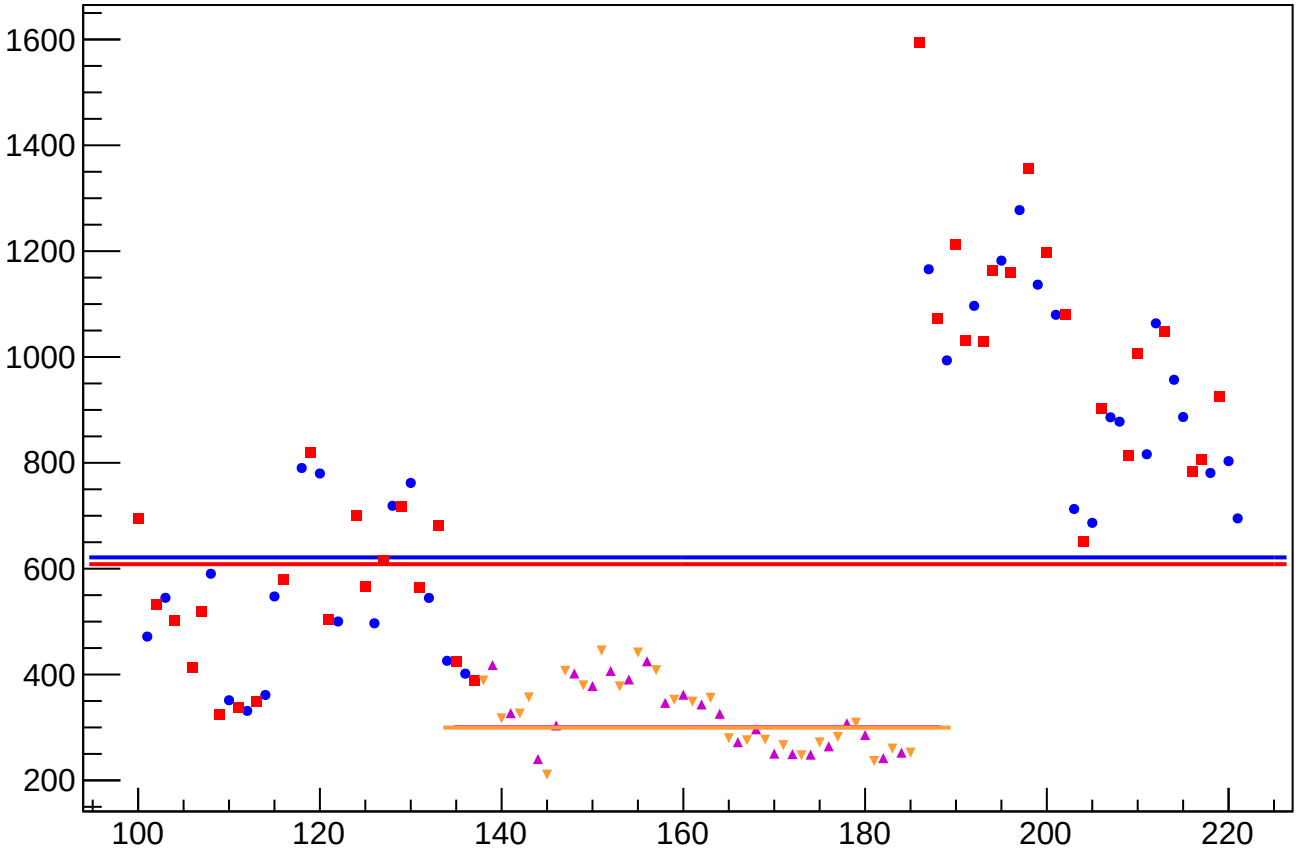
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 260.093+/-62.626 χ^2/NDF: 110.5/58

All: 183.975+/-44.829 χ^2/NDF: 197.1/118

- sign 103.983+/-64.200 χ^2/NDF: 83.6/59

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 621.339+/-0.101 χ^2/NDF: 5789191.3/33

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 608.524+/-0.102 χ^2/NDF: 7131858.8/36

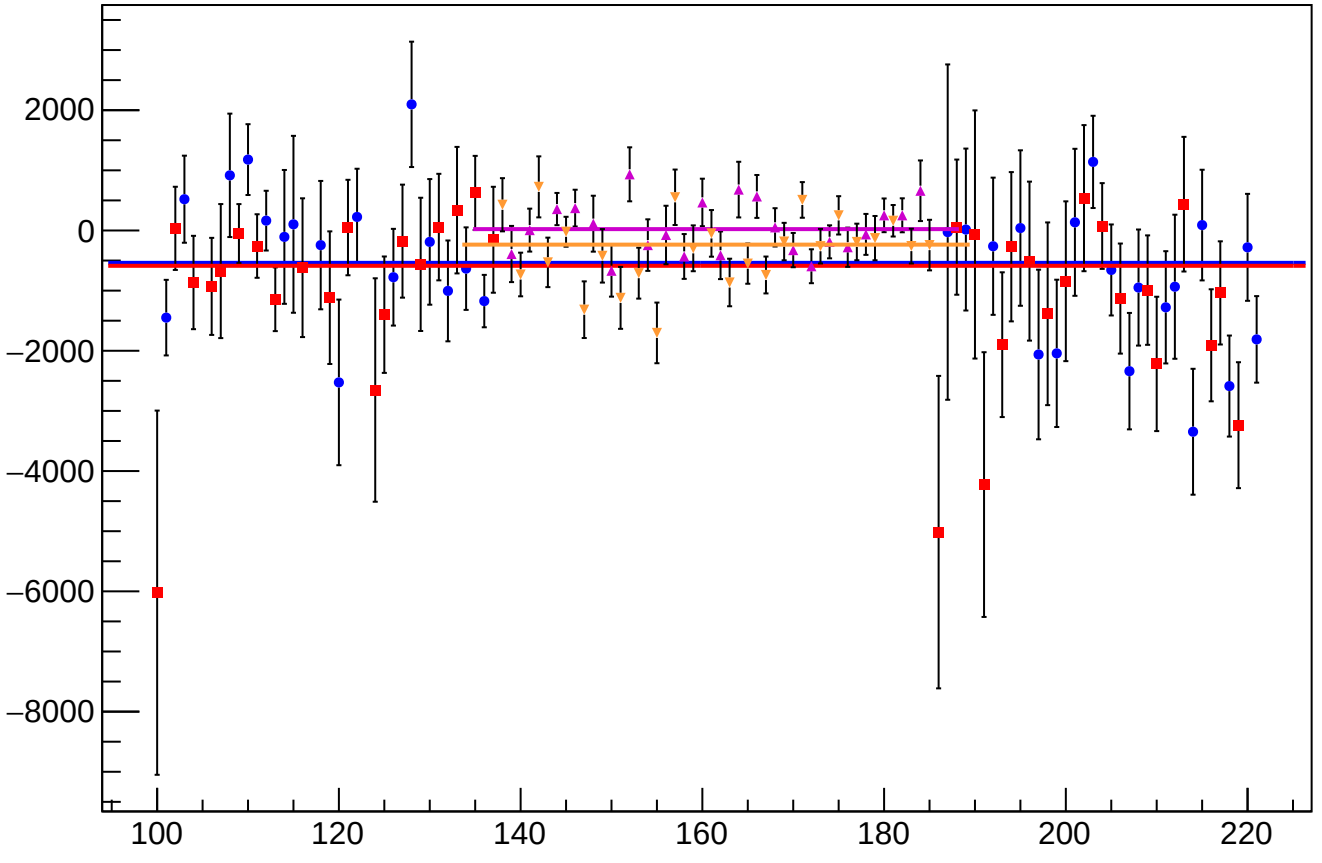
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 361.856+/-0.044 χ^2/NDF: 15578131.6/58

All: 361.776+/-0.032 χ^2/NDF: 31293226.7/11

- sign 361.693+/-0.045 χ^2/NDF: 15715088.4/59

asym_sam_15_37_dd_mean vs Slug



Right In: -538.010+/-146.190 χ^2/NDF: 58.7/33

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -587.327+/-150.019 χ^2/NDF: 37.0/36

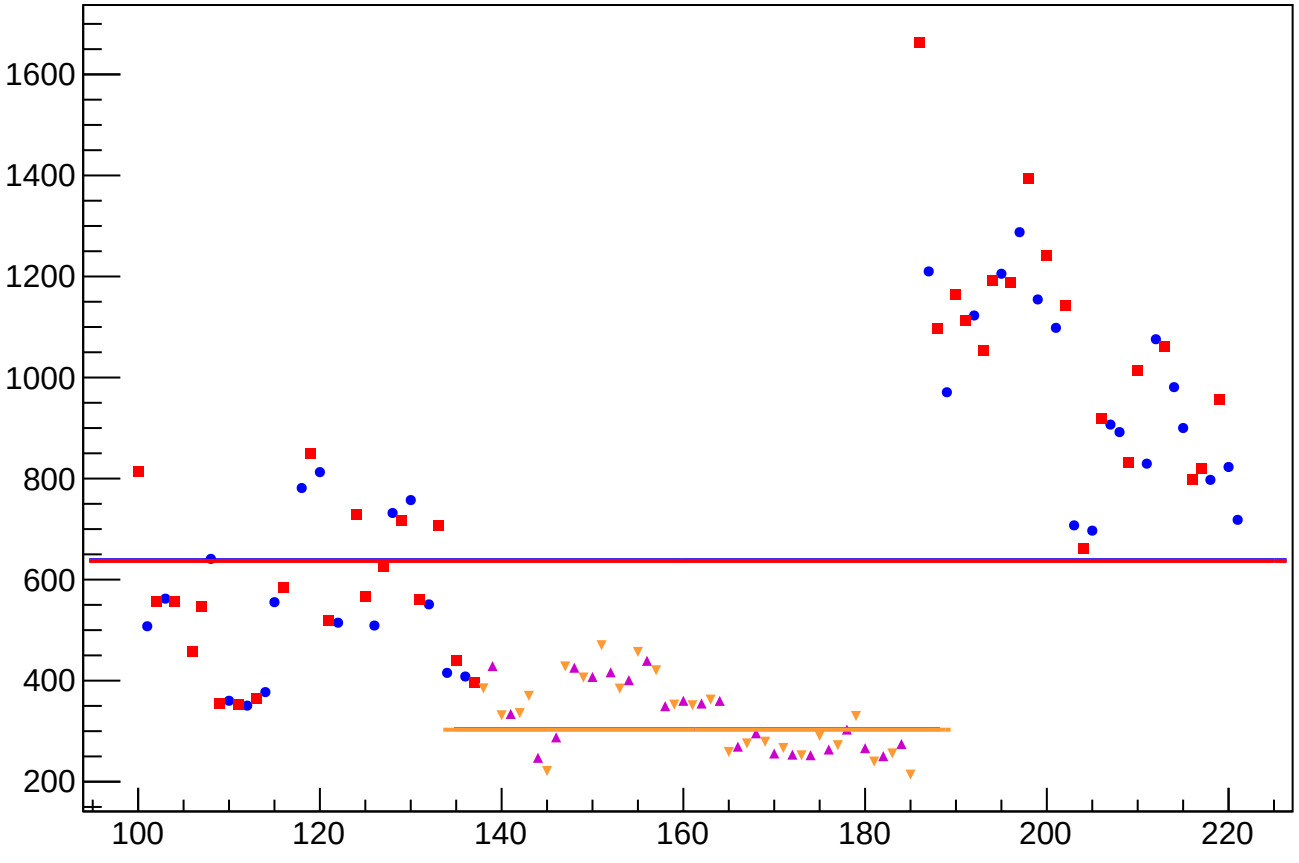
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -292.626+/-63.678 χ^2/NDF: 109.6/58

All: -195.542+/-45.617 χ^2/NDF: 194.6/118

- sign -93.196+/-65.381 χ^2/NDF: 80.2/59

asym_sam_15_37_dd_rms vs Slug



Right In: 638.431+/-0.103 χ^2/NDF: 5587948.8/33

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 636.984+/-0.106 χ^2/NDF: 6718371.6/36

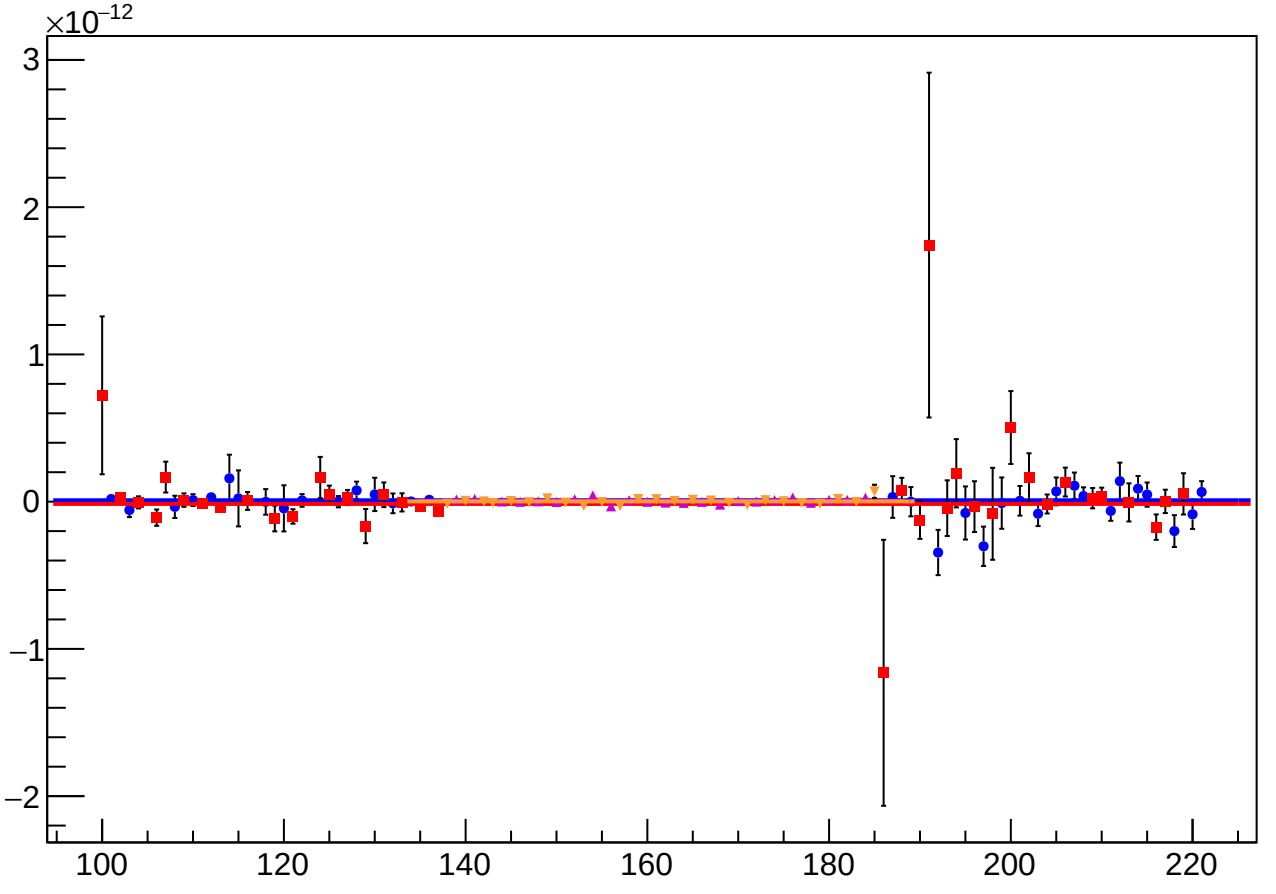
Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 366.596+/-0.045 χ^2/NDF: 15888450.3/58

All: 366.882+/-0.032 χ^2/NDF: 31968772.2/11

- sign 367.183+/-0.046 χ^2/NDF: 16080239.1/59

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/36

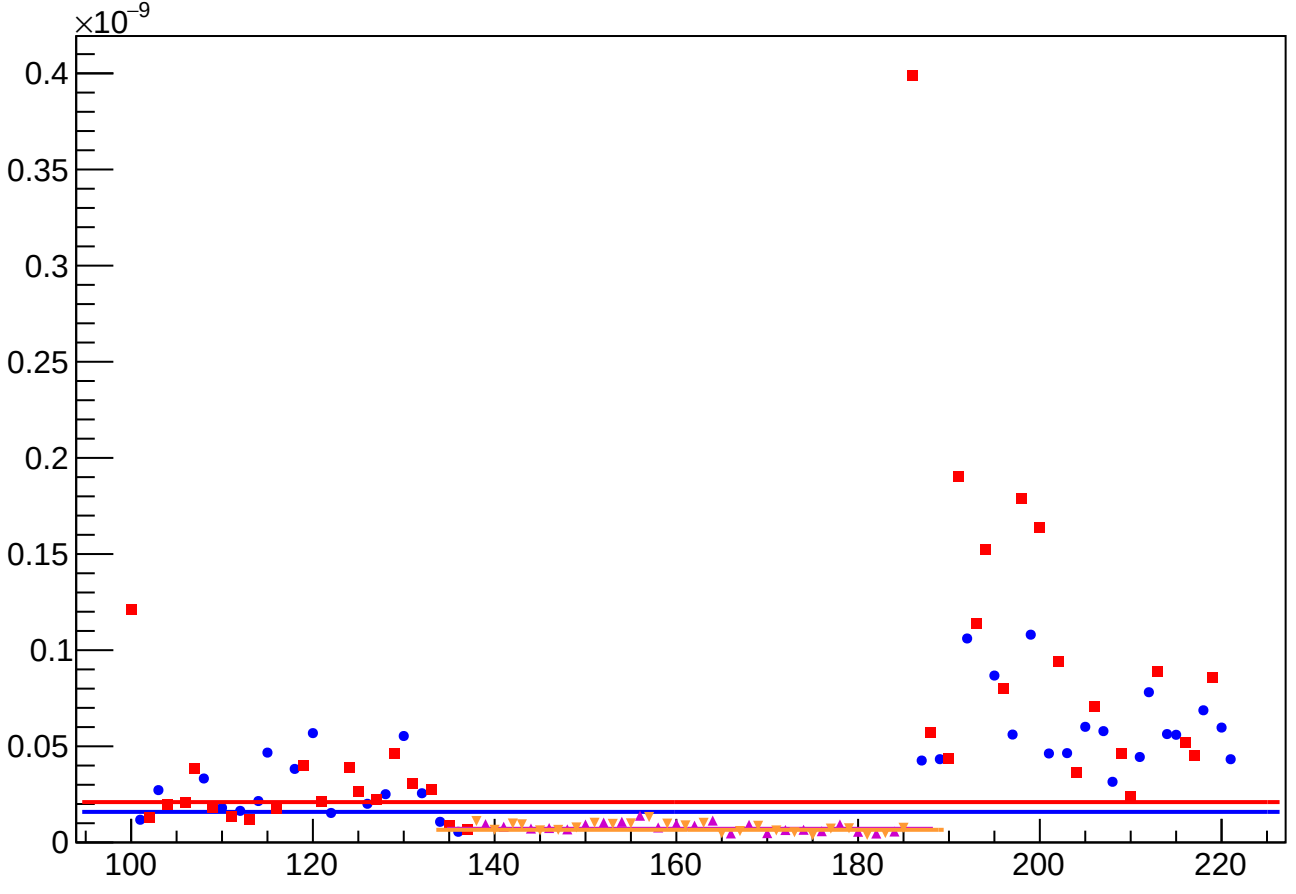
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/58

All: 0.000+/-0.000 χ^2/NDF: 118.3/118

- sign 0.000+/-0.000 χ^2/NDF: 66.2/59

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9123394.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

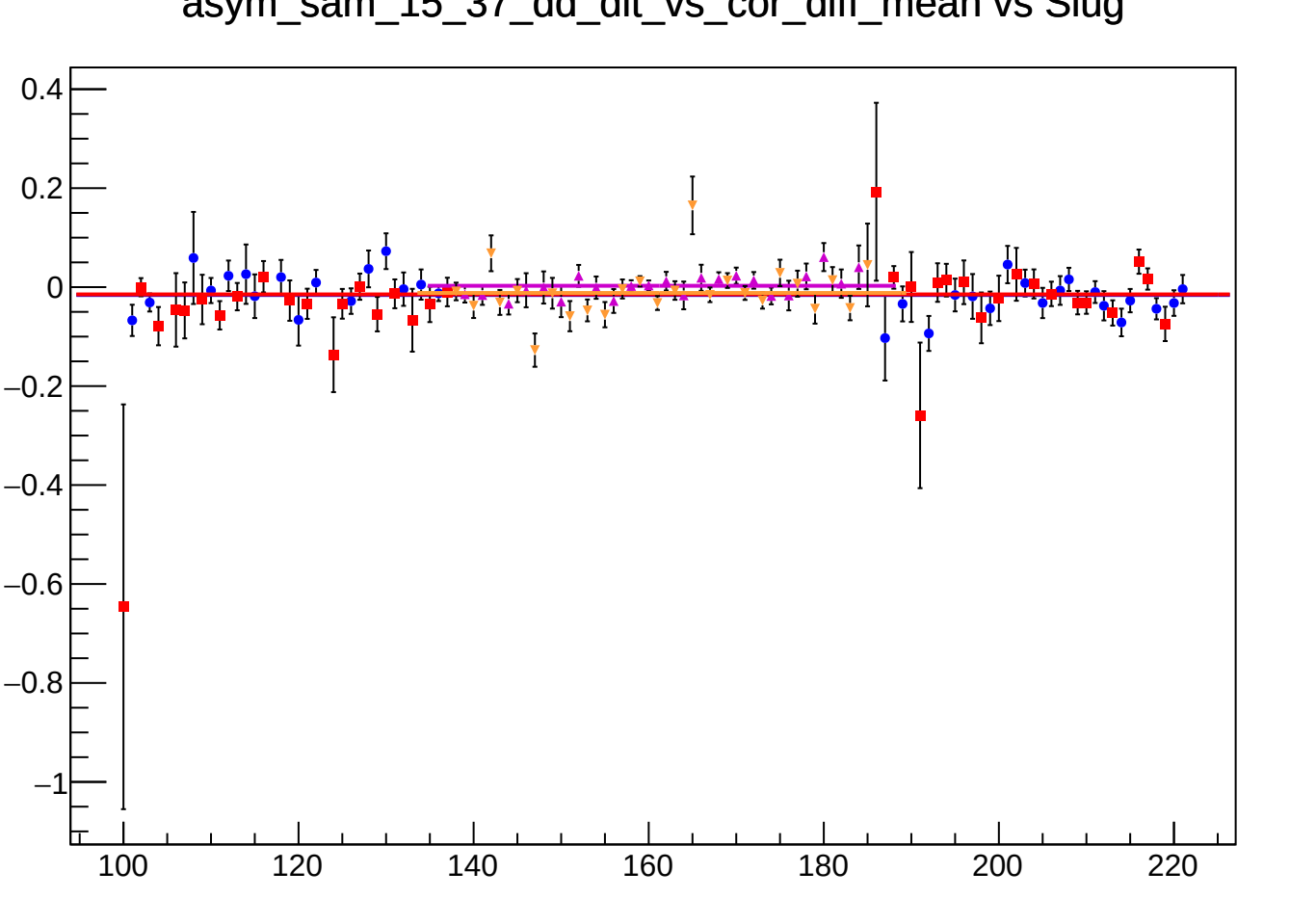
Right Out: 0.000+/-0.000 χ^2/NDF: 7801747.6/36

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13336380.5/58

All: 0.000+/-0.000 χ^2/NDF: 26120475.5/118

- sign 0.000+/-0.000 χ^2/NDF: 12721572.8/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

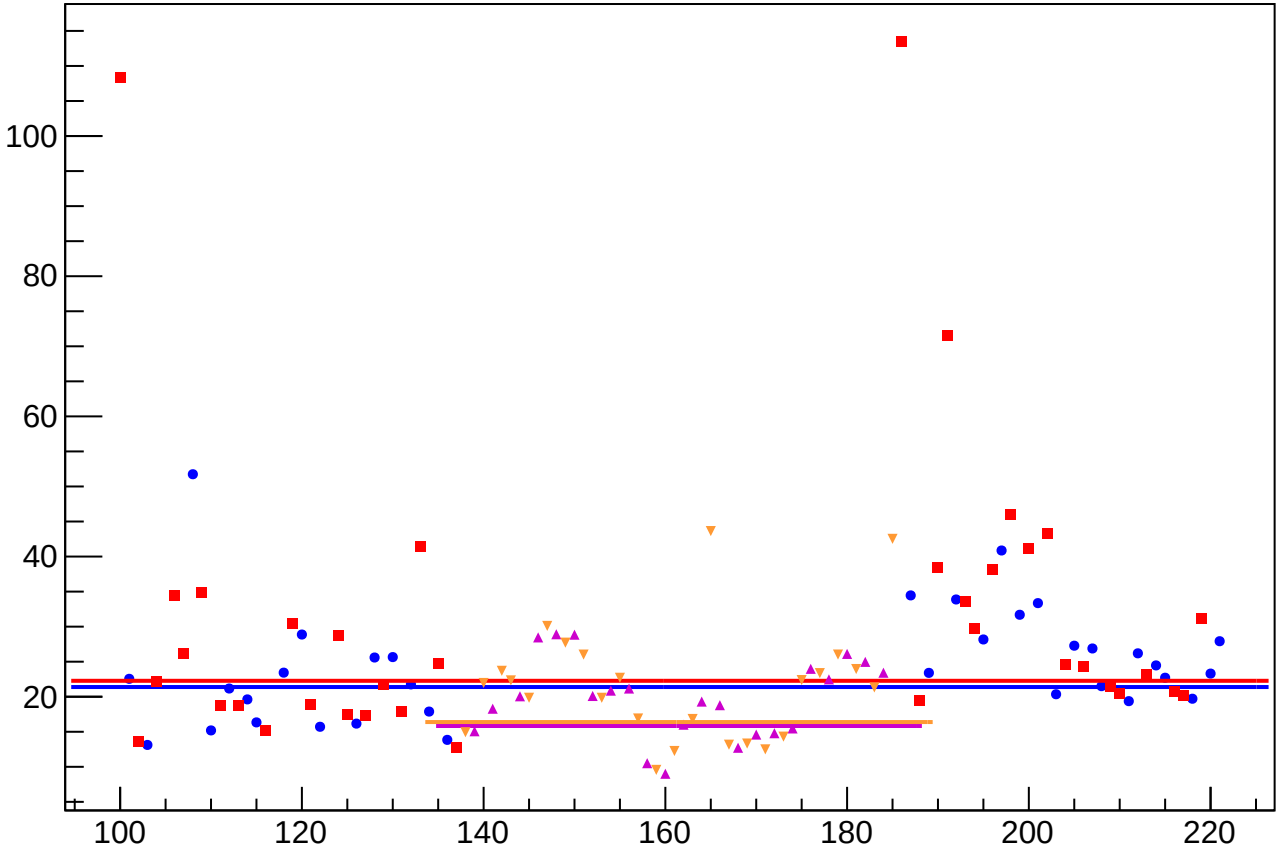
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 164.0/118

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.384+/-0.004 χ^2/NDF: 3070786.8/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

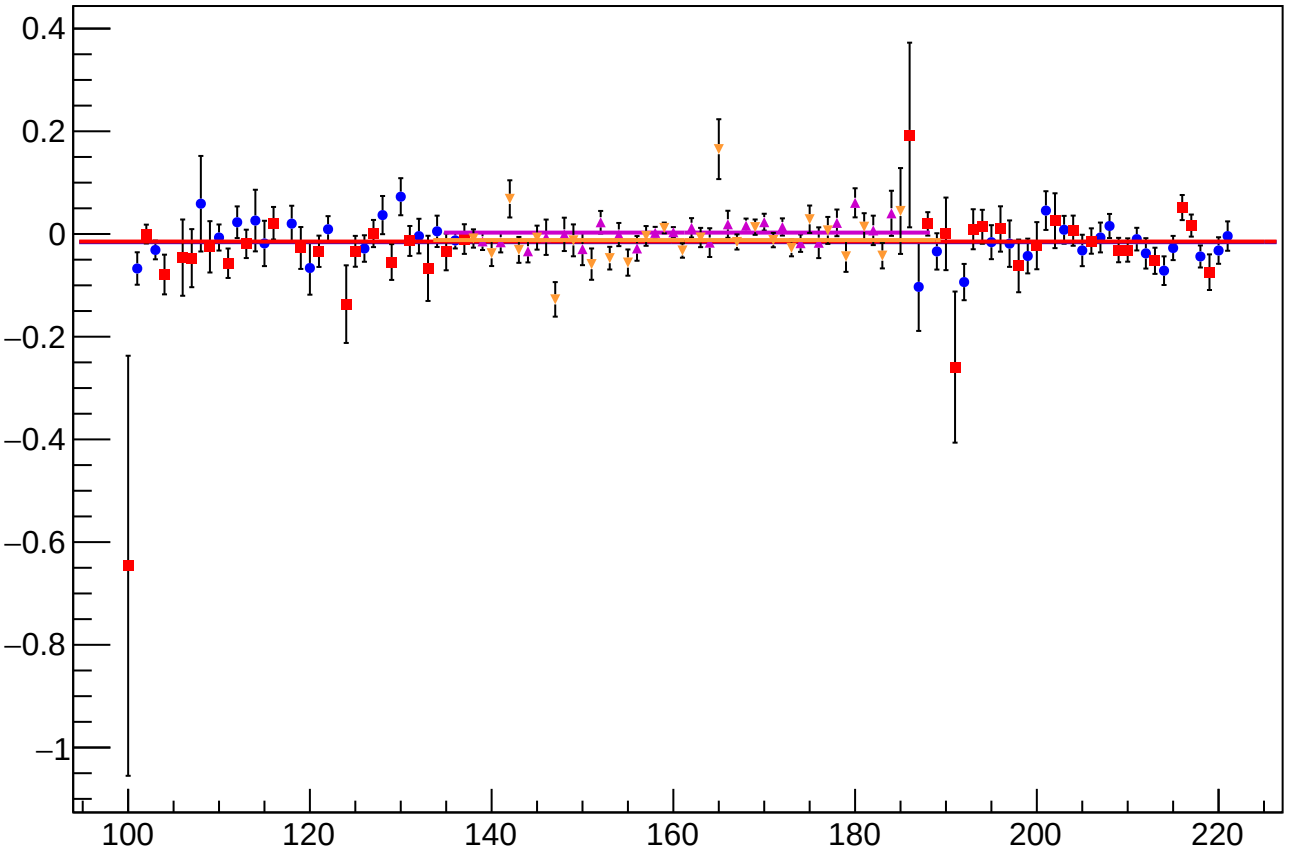
Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.394+/-0.002 χ^2/NDF: 8313726.5/58

All: 18.282+/-0.002 χ^2/NDF: 18094529.2/118

- sign 18.163+/-0.002 χ^2/NDF: 9775545.4/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

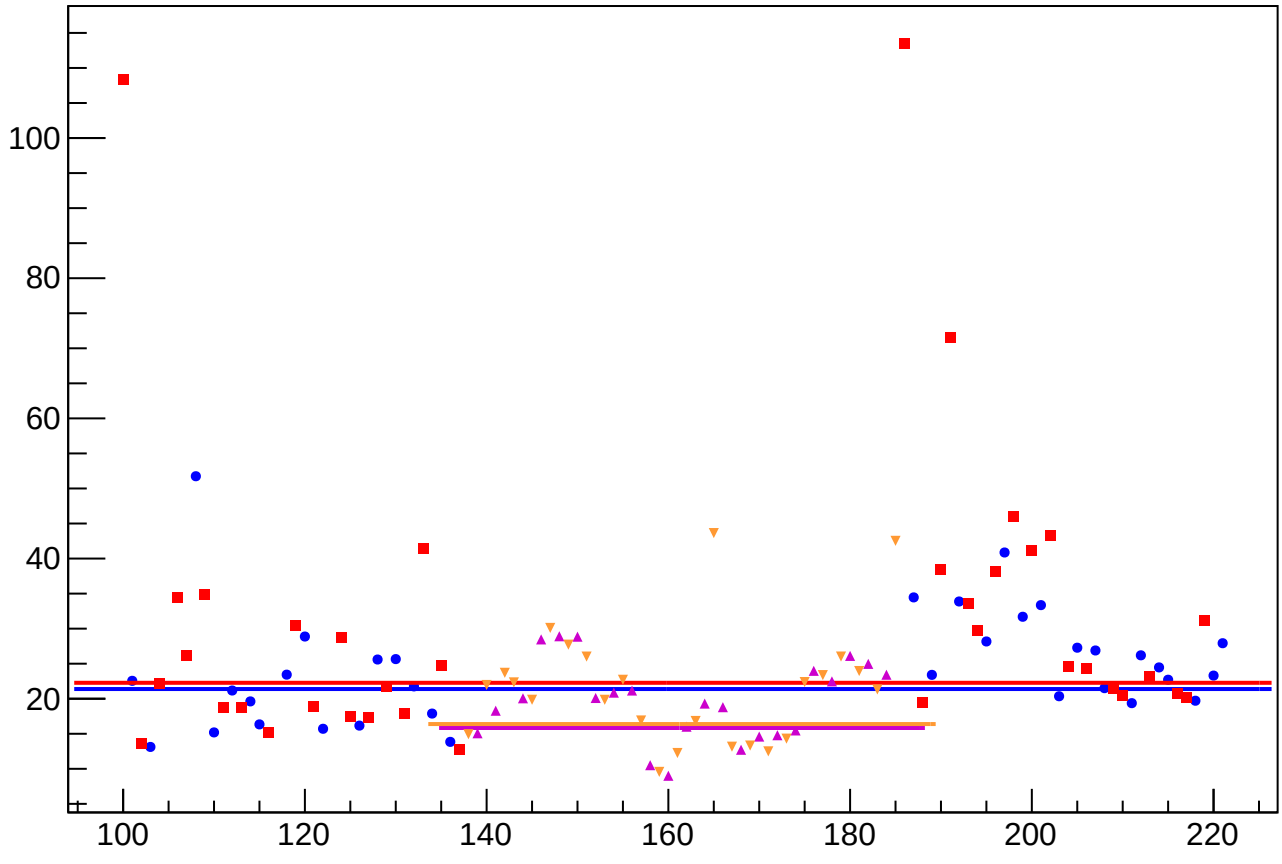
Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 164.0/118

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59



Right In: 21.384+/-0.004 χ^2/NDF: 3070786.8/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

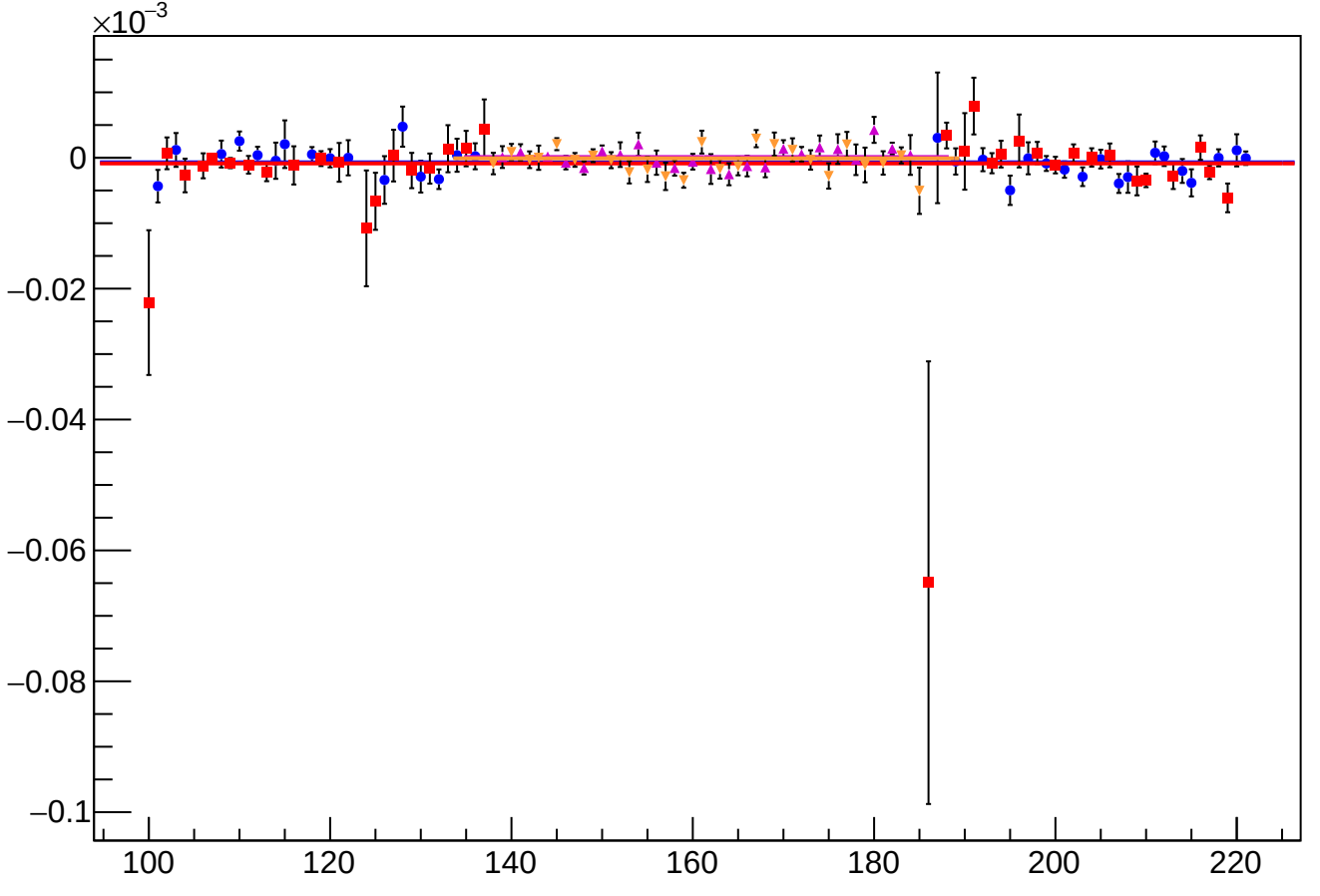
Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.394+/-0.002 χ^2/NDF: 8313726.5/58

All: 18.282+/-0.002 χ^2/NDF: 18094529.2/118

- sign 18.163+/-0.002 χ^2/NDF: 9775545.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 36.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.7/36

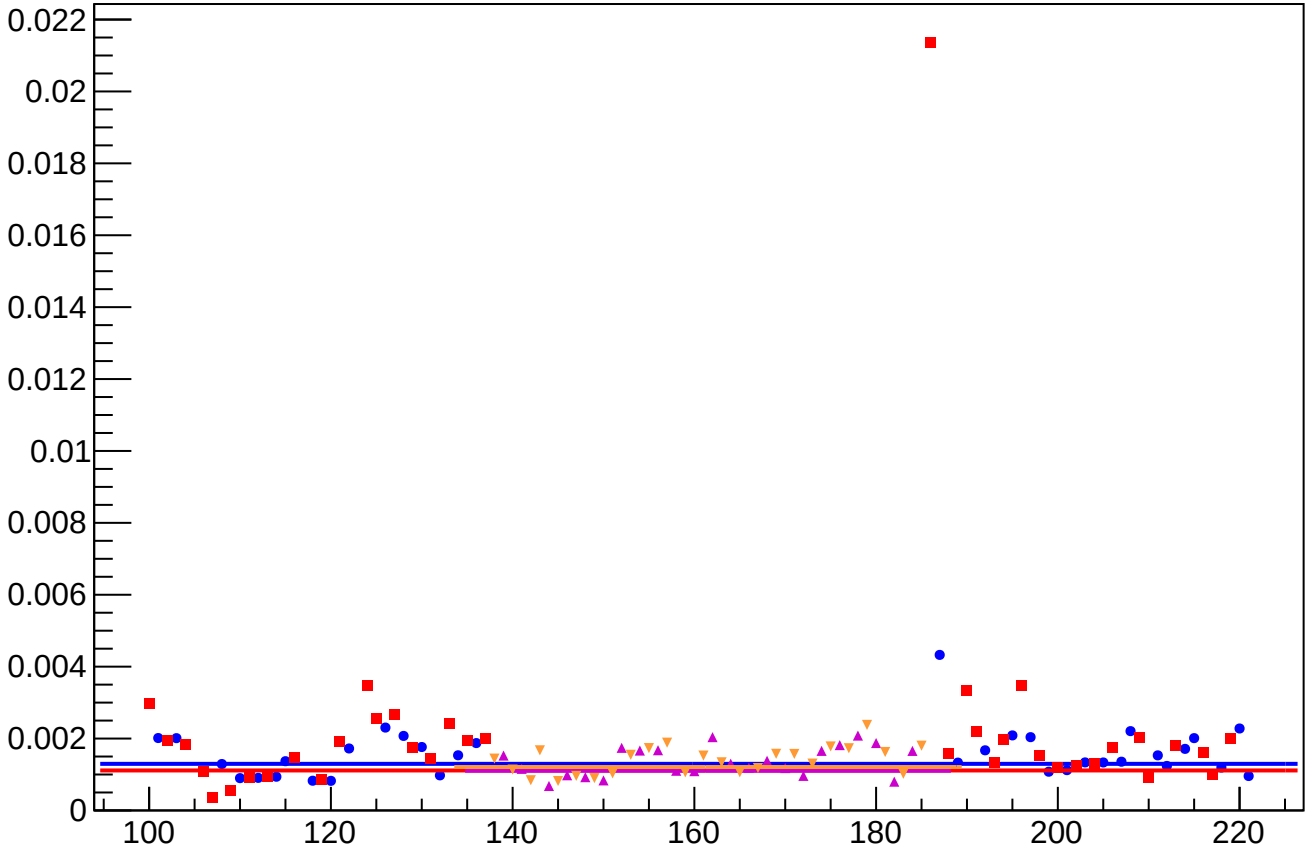
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.0/58

All: -0.000+/-0.000 χ^2/NDF: 150.9/118

- sign -0.000+/-0.000 χ^2/NDF: 75.9/59

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3993996.0/33

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

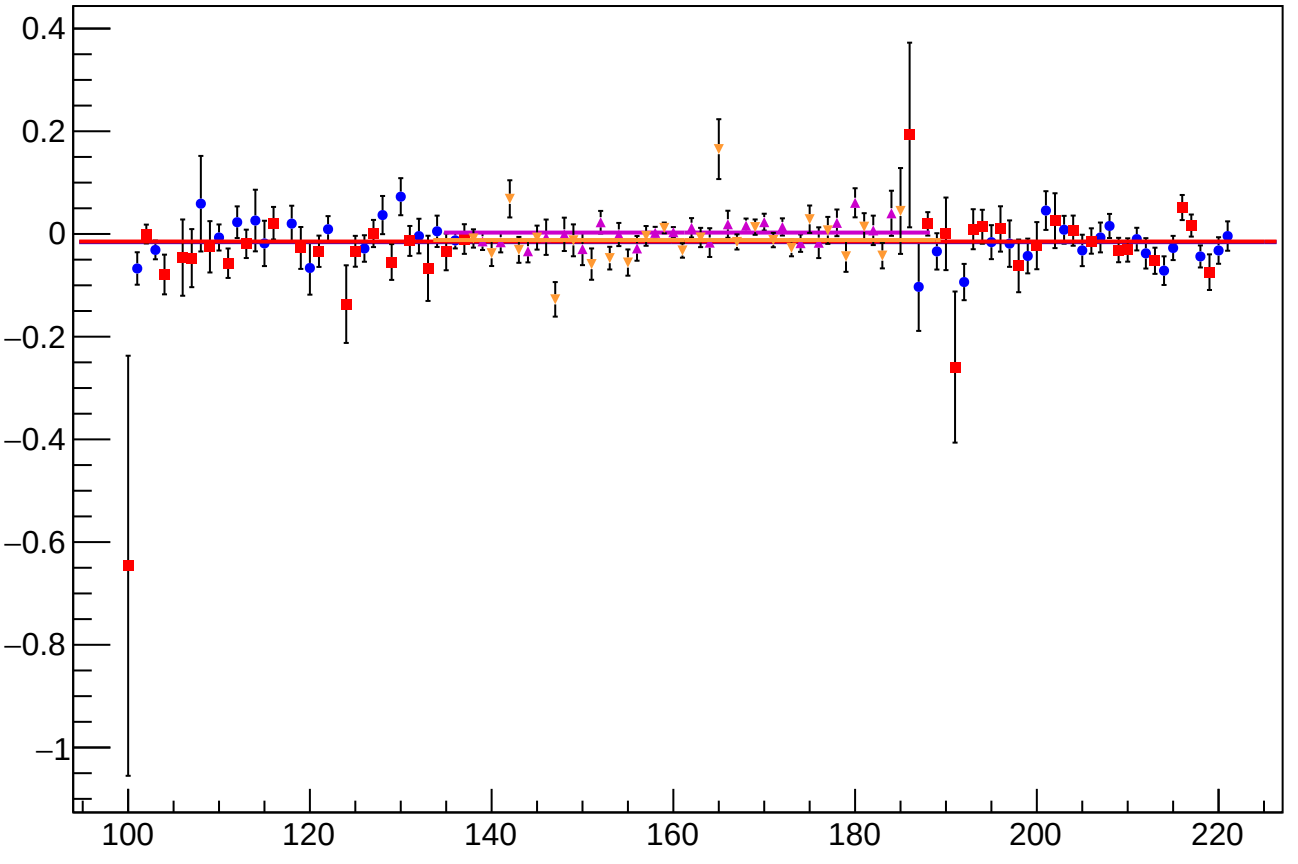
Right Out: 0.001+/-0.000 χ^2/NDF: 9148848.1/36

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 6807000.4/58

All: 0.001+/-0.000 χ^2/NDF: 19958583.6/118

- sign 0.001+/-0.000 χ^2/NDF: 12644858.3/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

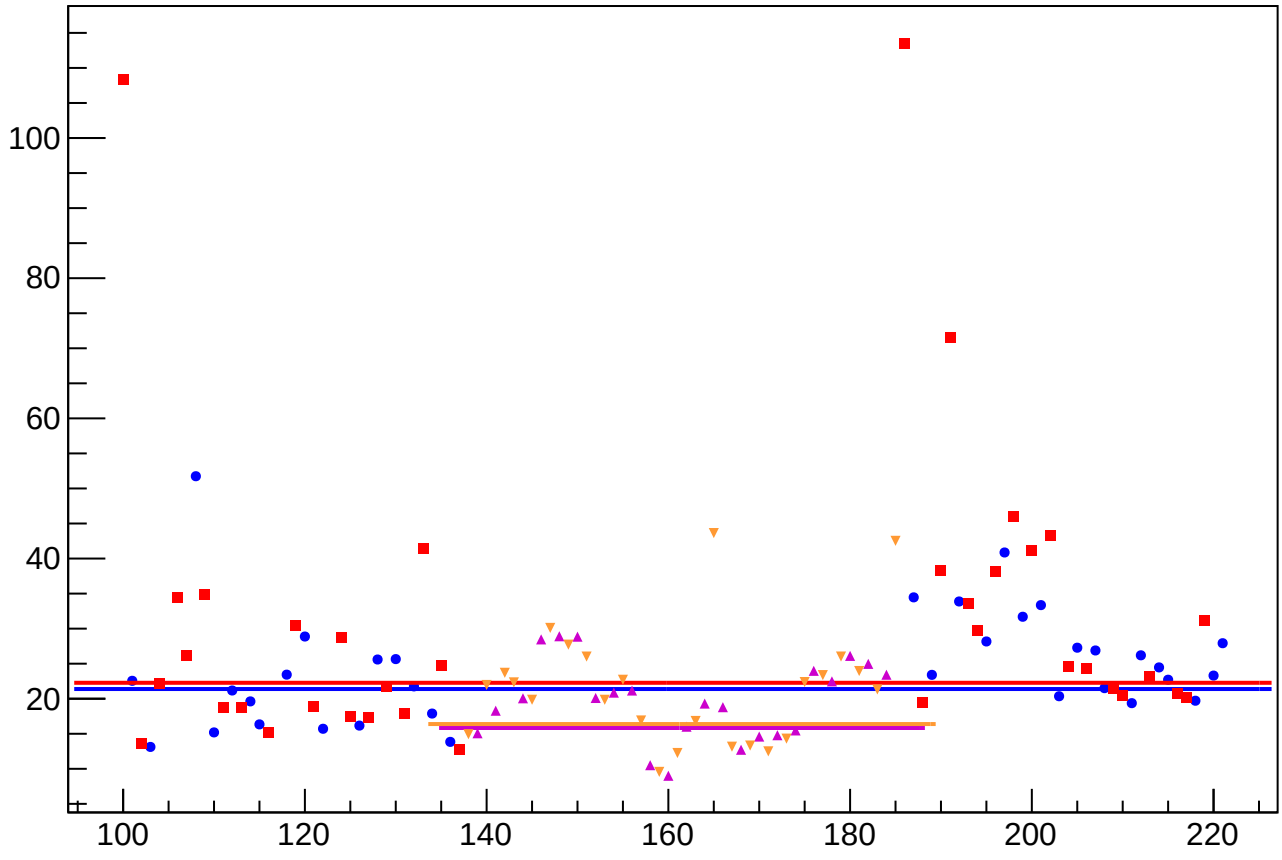
Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 164.0/118

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59



Right In: 21.384+/-0.004 χ^2/NDF: 3070796.4/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

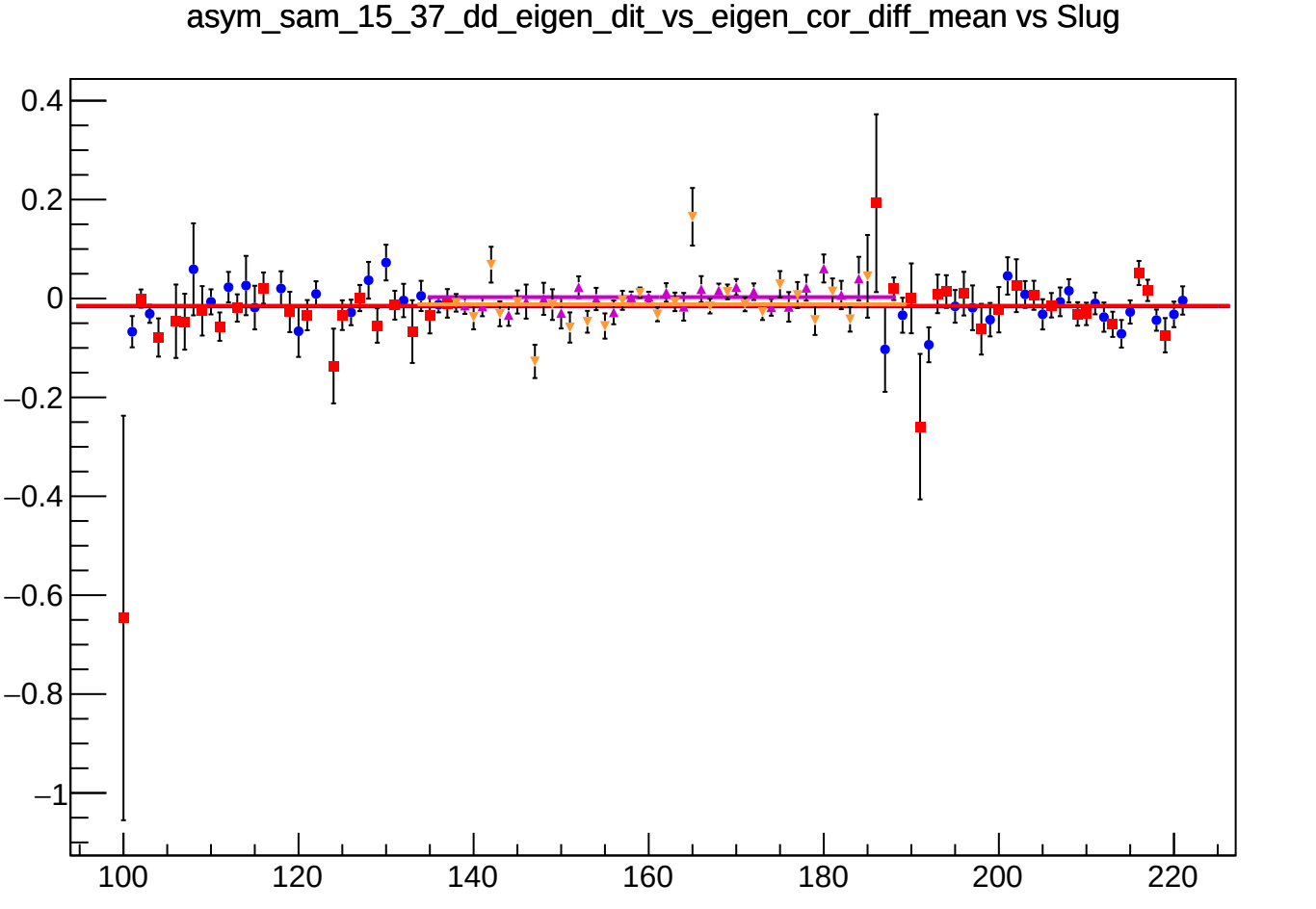
Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.394+/-0.002 χ^2/NDF: 8314063.8/58

All: 18.282+/-0.002 χ^2/NDF: 18095277.8/118

- sign 18.163+/-0.002 χ^2/NDF: 9775958.9/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.5/33

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

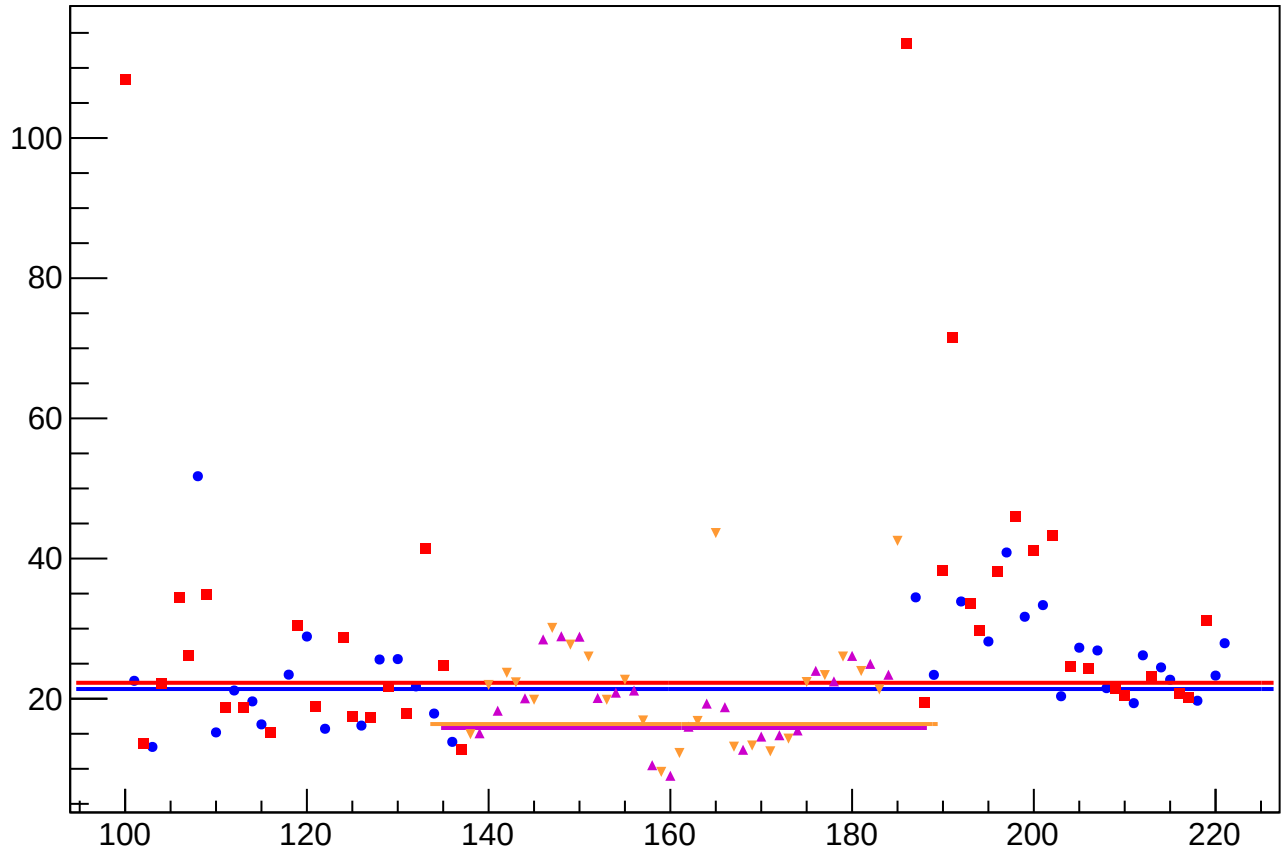
Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 91.4/58

All: -0.009+/-0.002 χ^2/NDF: 164.0/118

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59



Right In: 21.384+/-0.004 χ^2/NDF: 3070796.4/33

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

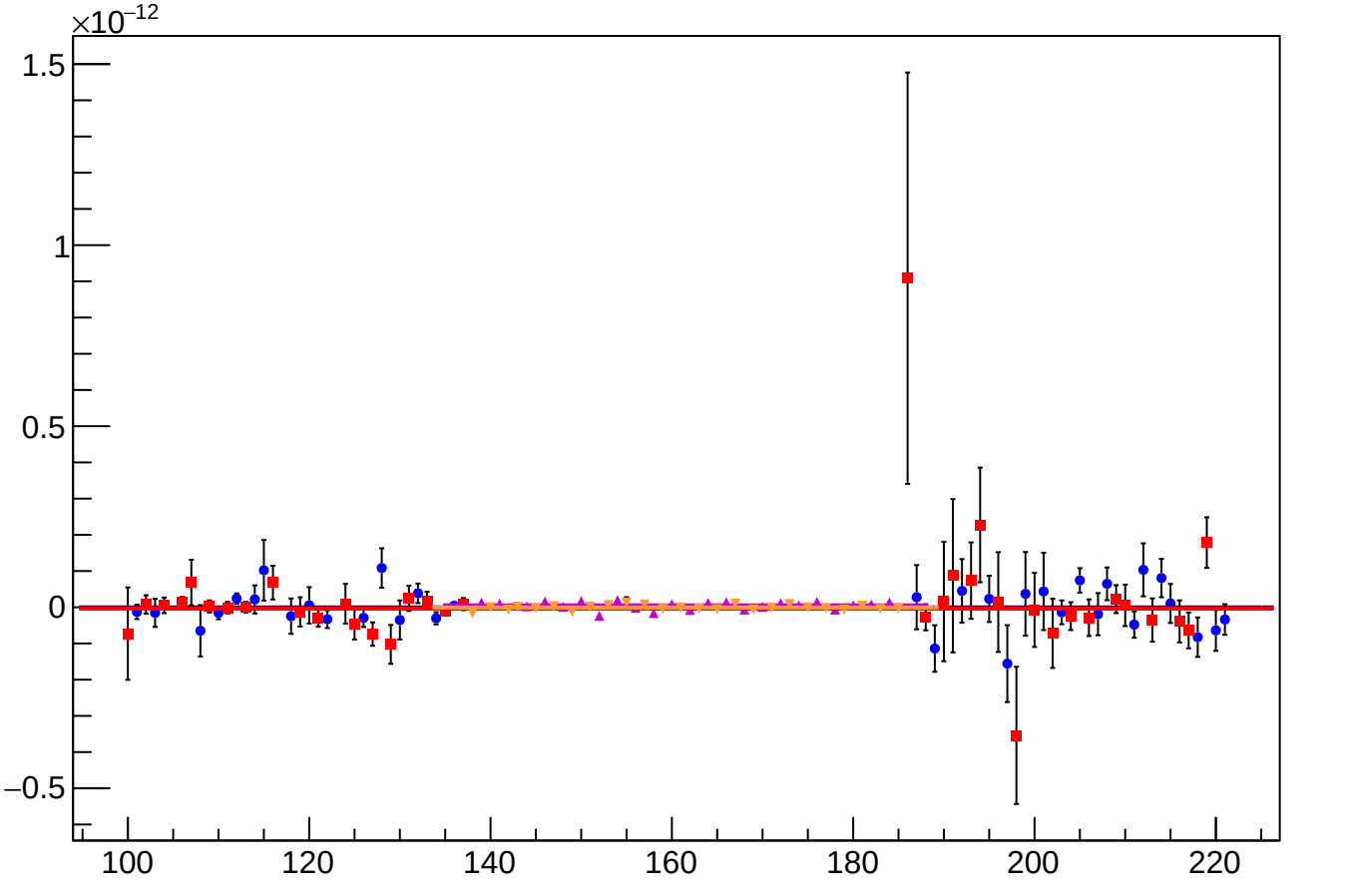
Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

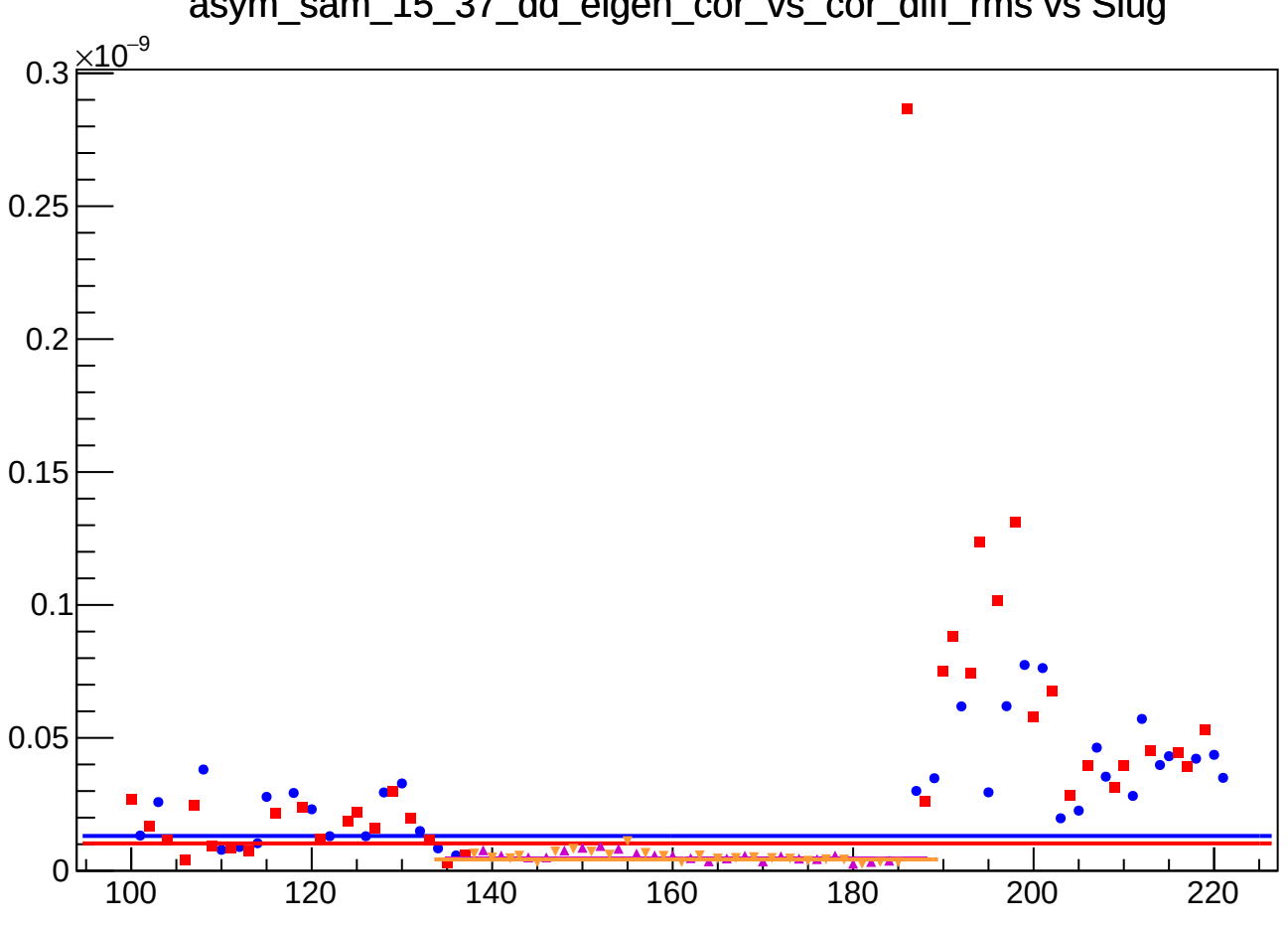
Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.394+/-0.002 χ^2/NDF: 8314063.8/58

All: 18.282+/-0.002 χ^2/NDF: 18095277.8/118

- sign 18.163+/-0.002 χ^2/NDF: 9775958.9/59


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 43.8/33
Left Out: -0.000+/-0.000 χ²/NDF:19.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.0/36
Left In: 0.000+/-0.000 χ²/NDF:37.9/22
+ sign -0.000+/-0.000 χ²/NDF: 63.0/58
All: 0.000+/-0.000 χ²/NDF: 151.9/118
- sign 0.000+/-0.000 χ²/NDF: 80.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 11682422.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14887511.4/36

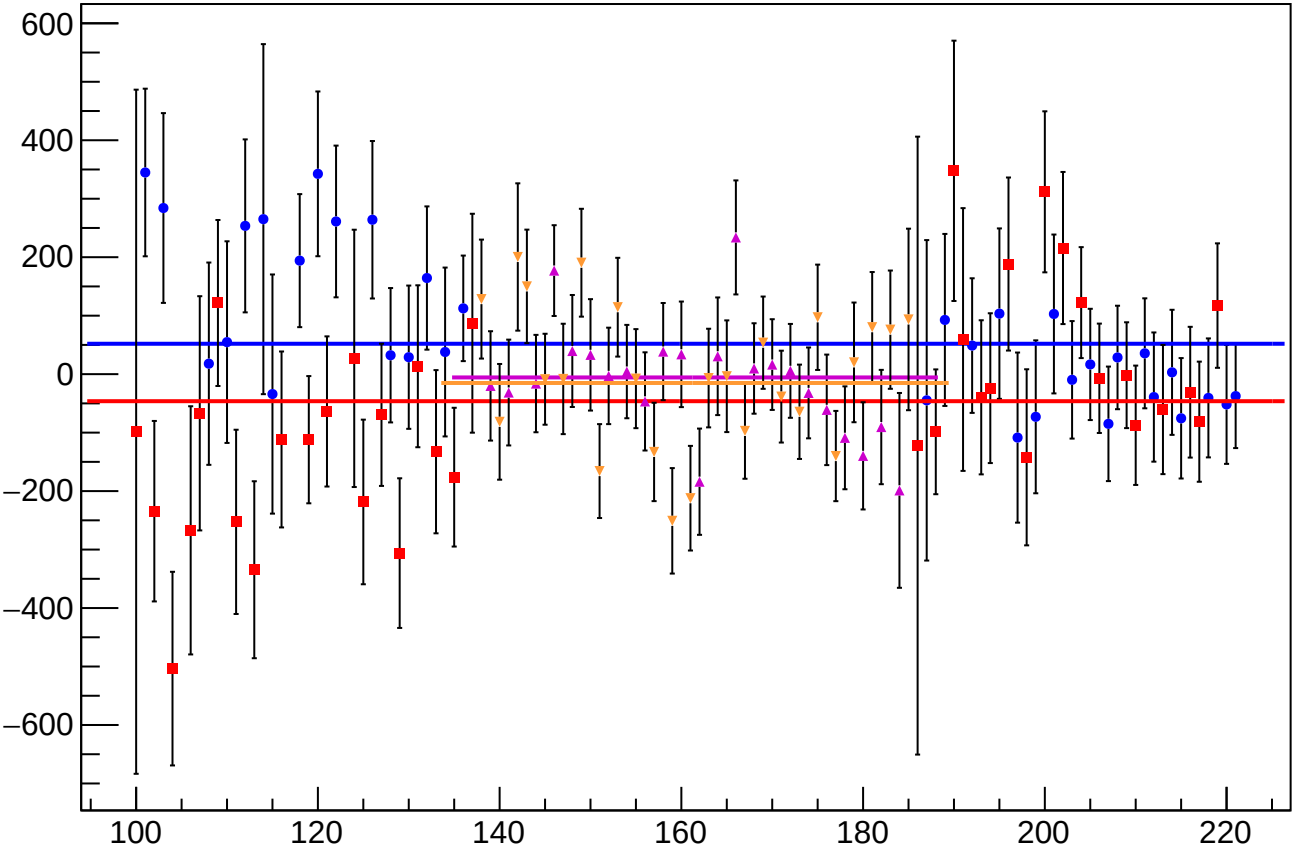
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 20853452.3/58

All: 0.000+/-0.000 χ^2/NDF: 41450592.3/118

- sign 0.000+/-0.000 χ^2/NDF: 20540370.0/59

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 51.975+/-20.688 χ^2/NDF: 31.5/33

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -46.249+/-21.851 χ^2/NDF: 49.2/36

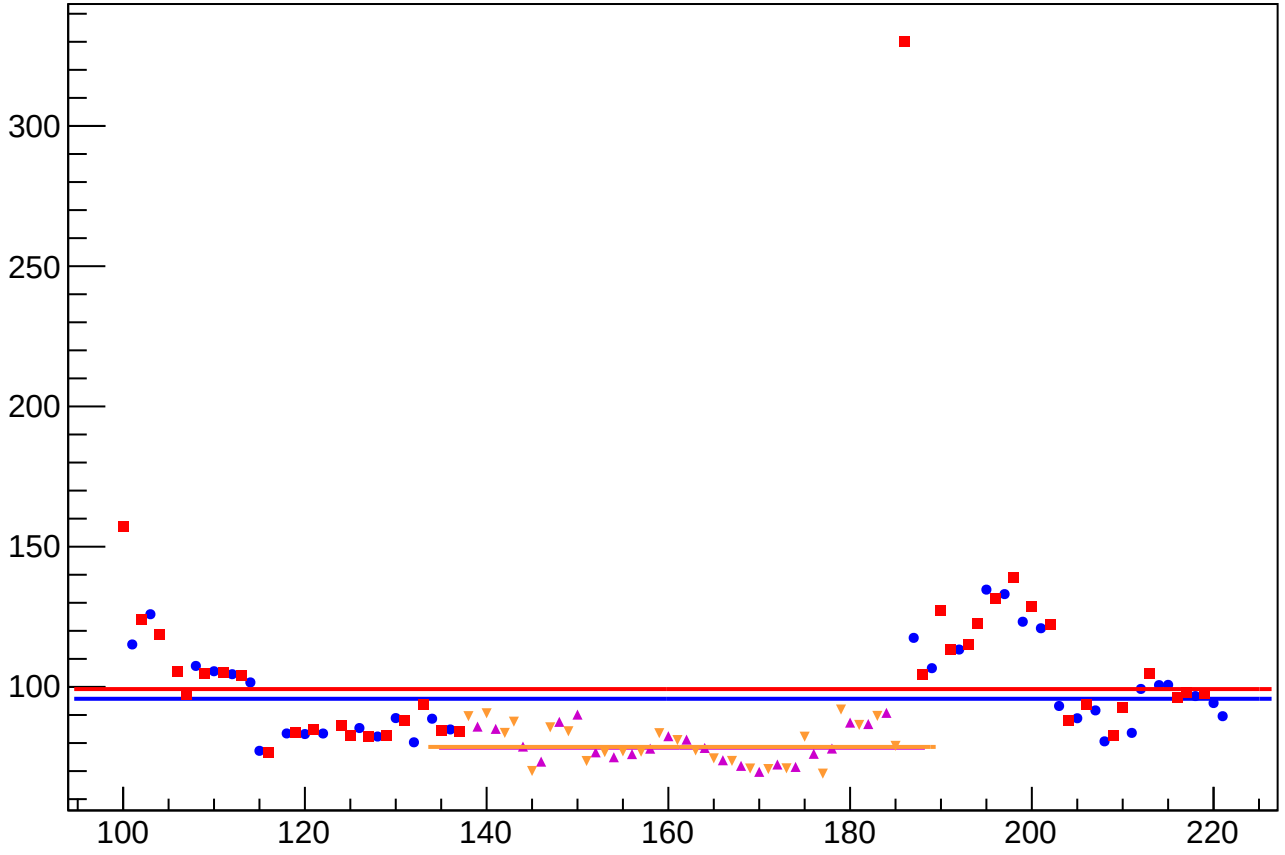
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 13.721+/-13.561 χ^2/NDF: 79.2/58

All: -3.709+/-9.763 χ^2/NDF: 156.9/118

- sign -22.462+/-14.066 χ^2/NDF: 74.2/59

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 95.778+/-0.015 χ^2/NDF: 945210.5/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

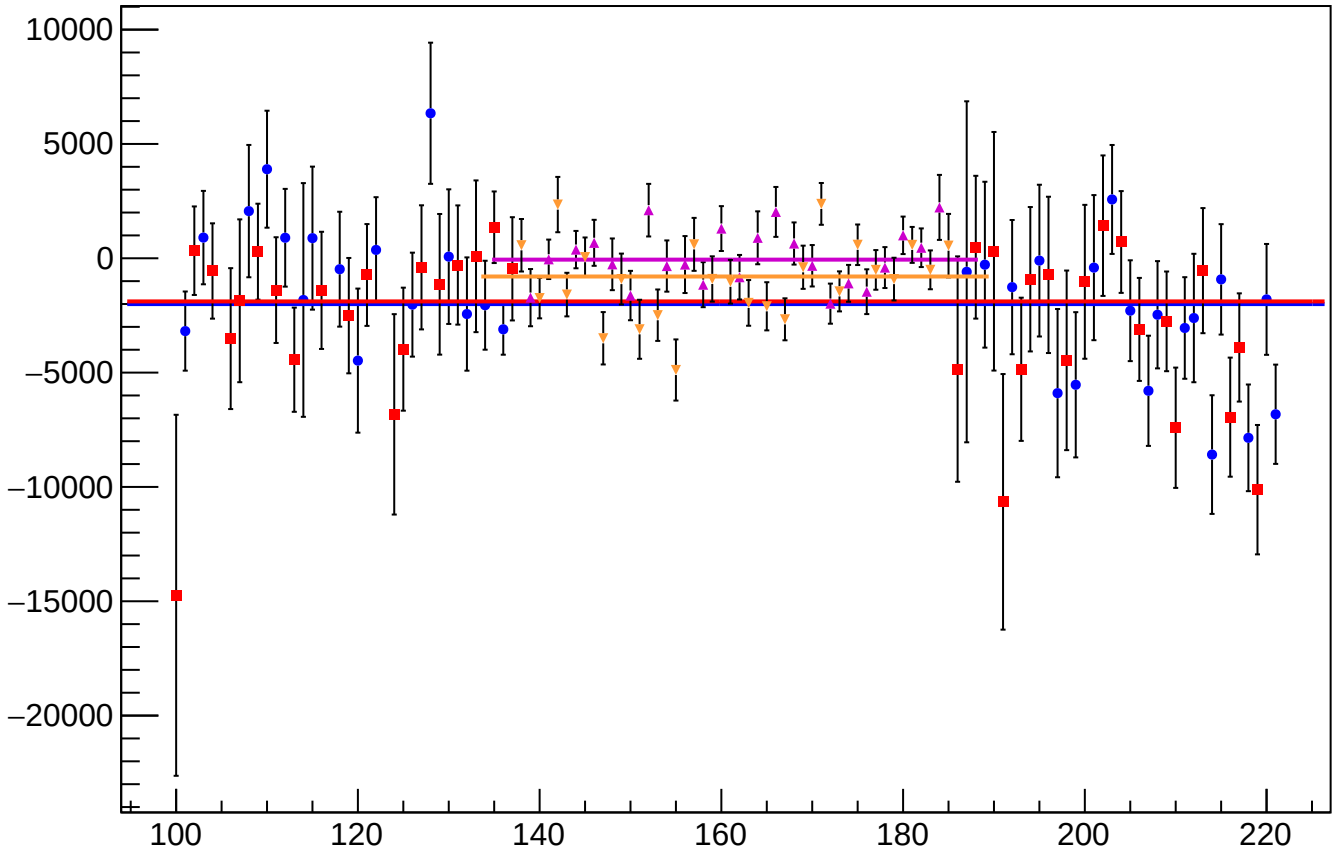
Right Out: 99.240+/-0.015 χ^2/NDF: 1413972.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.991+/-0.010 χ^2/NDF: 2037173.7/58

All: 86.476+/-0.007 χ^2/NDF: 4737599.5/118

- sign 86.998+/-0.010 χ^2/NDF: 2695121.6/59



Right In: -2003.508+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1886.231+/-439.071 χ^2/NDF: 40.8/36

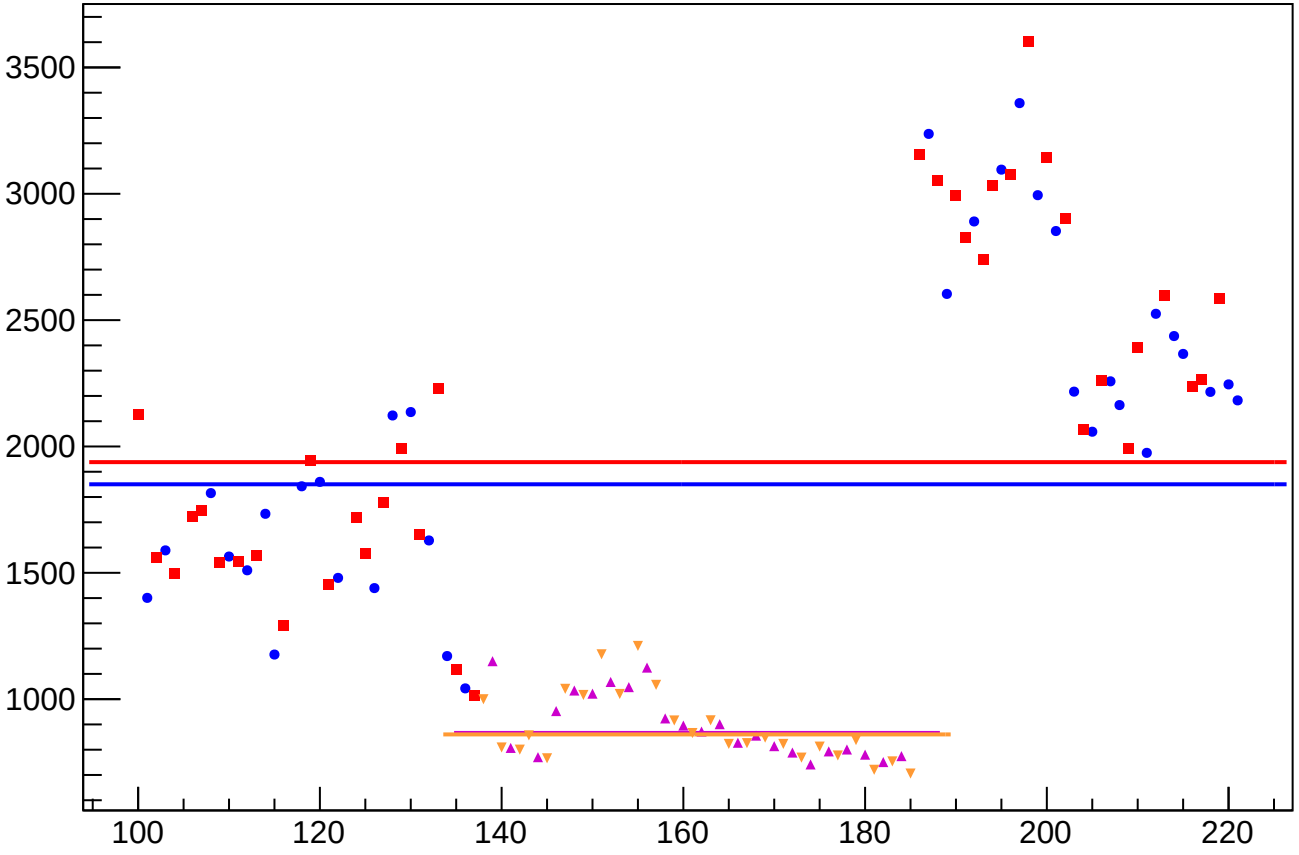
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -1021.180+/-178.556 χ^2/NDF: 117.3/58

All: -714.914+/-128.587 χ^2/NDF: 208.9/118

- sign -384.961+/-185.332 χ^2/NDF: 85.5/59

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1850.357+/-0.293 χ^2/NDF: 3912012.8/33

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1938.067+/-0.310 χ^2/NDF: 3871029.5/36

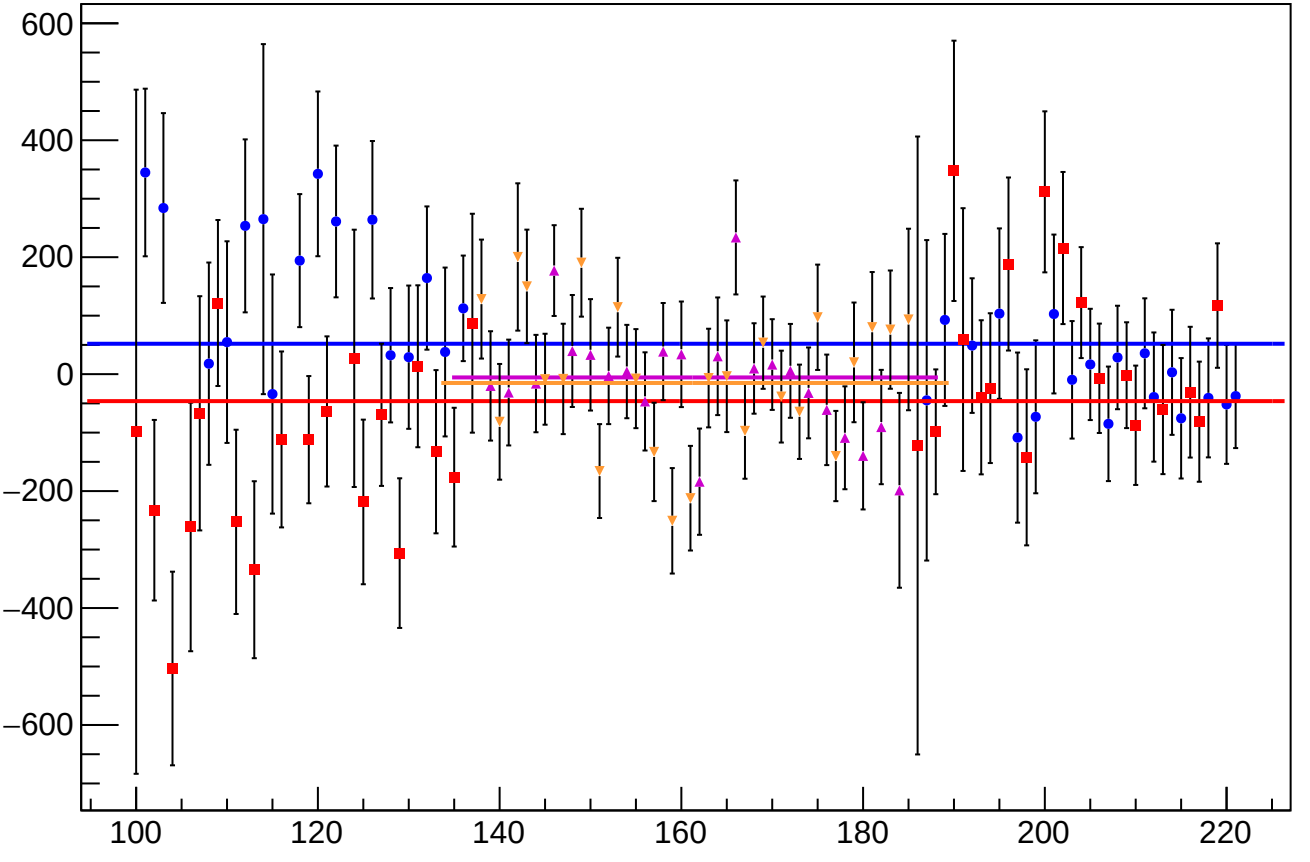
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1044.417+/-0.126 χ^2/NDF: 13910047.0/58

All: 1050.618+/-0.091 χ^2/NDF: 28192039.5/1

- sign 1057.298+/-0.131 χ^2/NDF: 14276982.7/59

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 51.969+/-20.688 χ^2/NDF: 31.5/33

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -46.141+/-21.852 χ^2/NDF: 49.1/36

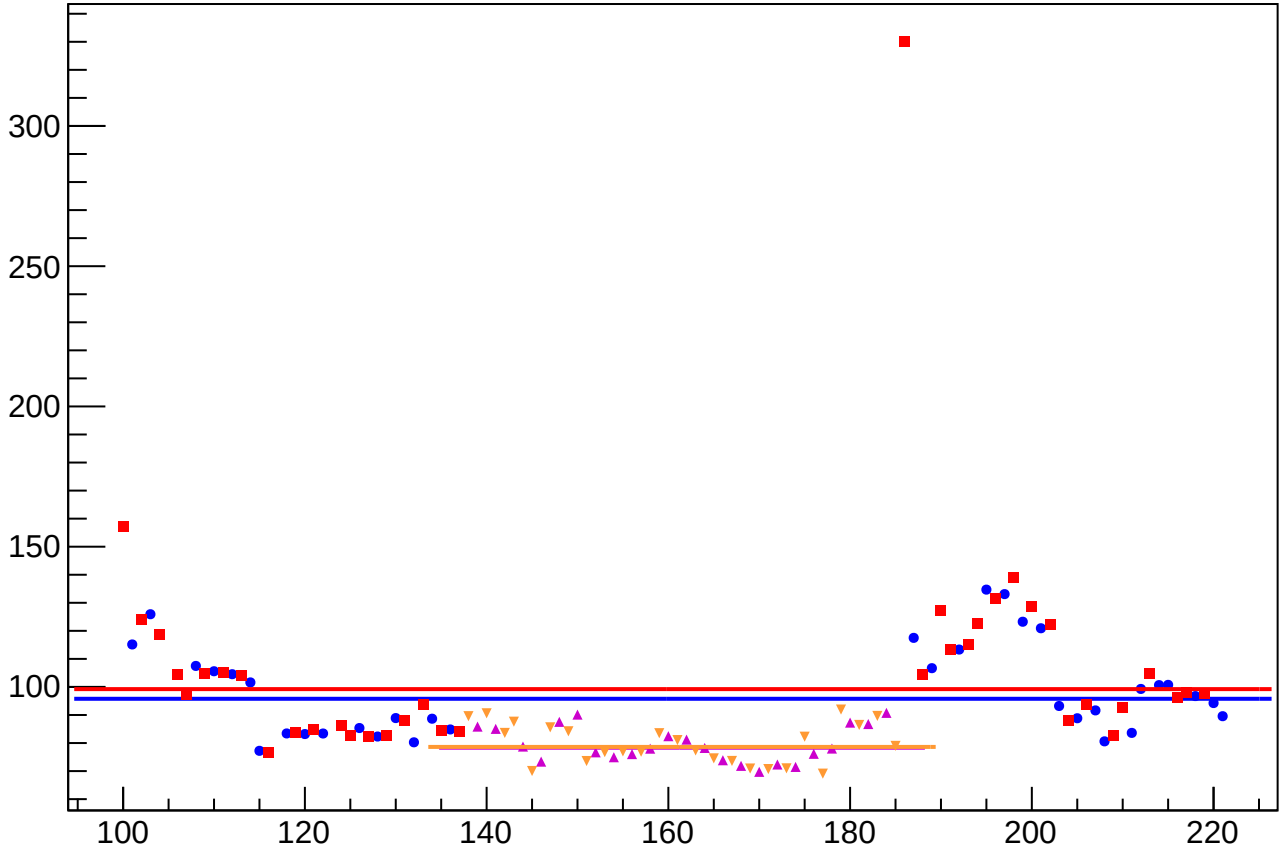
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 13.720+/-13.561 χ^2/NDF: 79.2/58

All: -3.687+/-9.763 χ^2/NDF: 156.7/118

- sign -22.415+/-14.067 χ^2/NDF: 74.1/59

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.778+/-0.015 χ^2/NDF: 945212.1/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

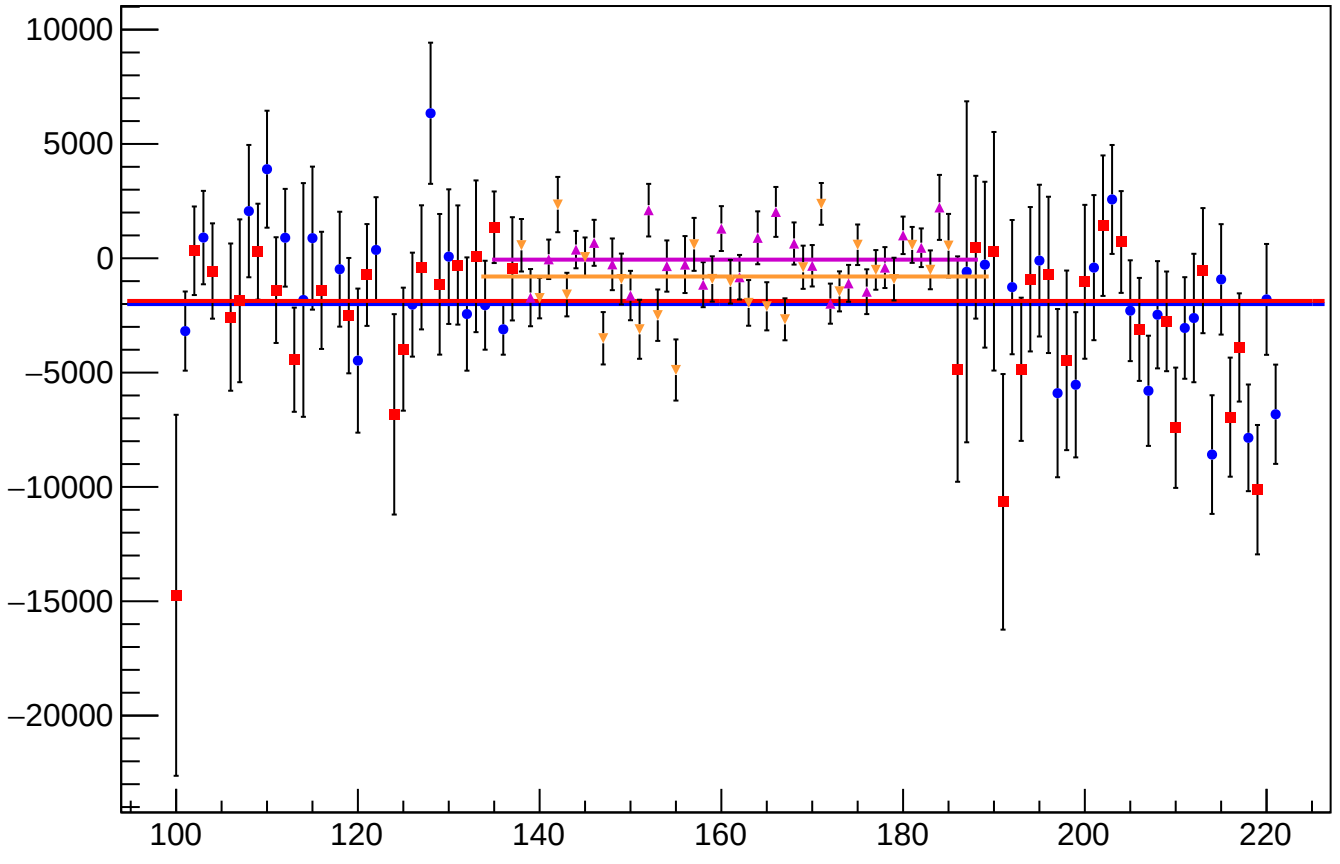
Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.991+/-0.010 χ^2/NDF: 2037175.6/58

All: 86.473+/-0.007 χ^2/NDF: 4735691.5/118

- sign 86.992+/-0.010 χ^2/NDF: 2693271.7/59



Right In: -2003.499+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

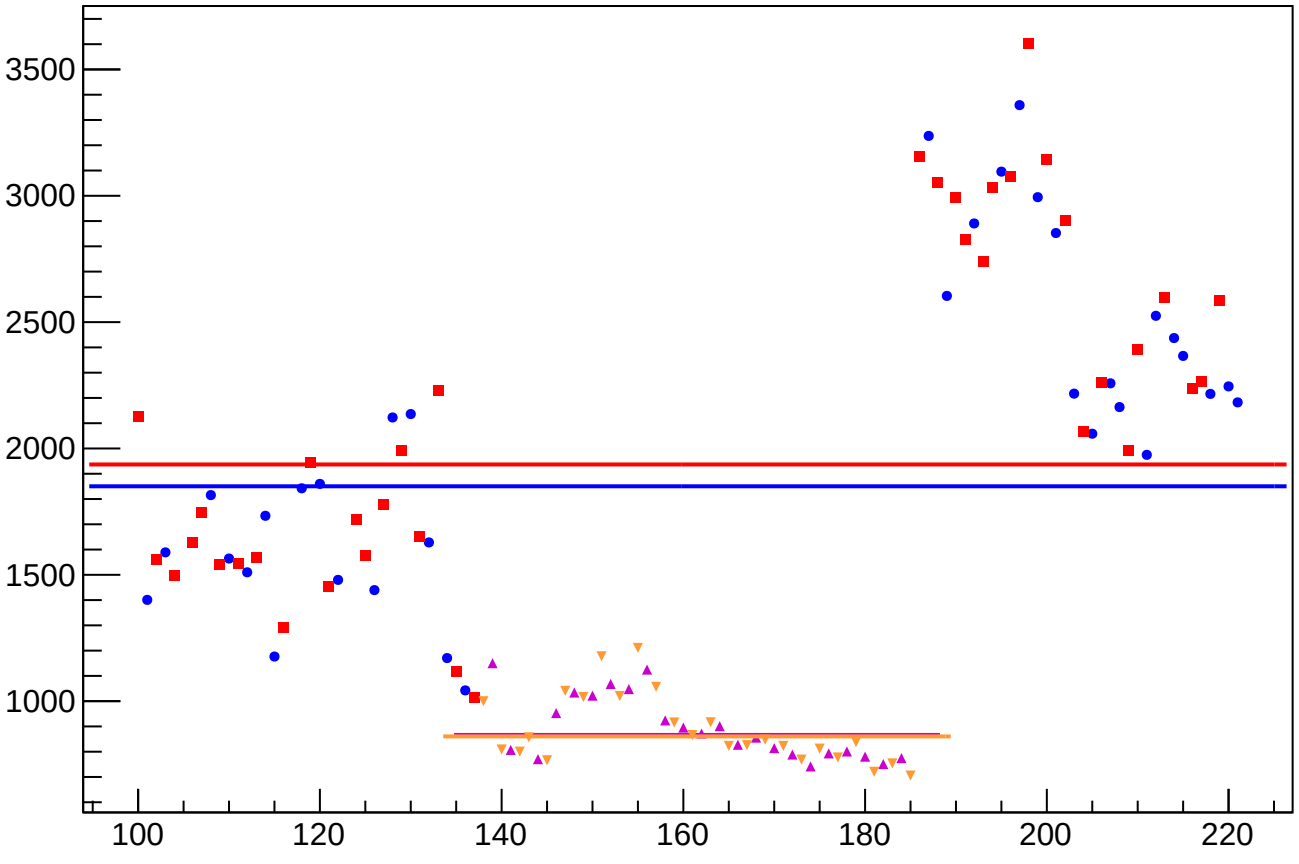
Right Out: -1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -1021.177+/-178.556 χ^2/NDF: 117.3/58

All: -713.022+/-128.597 χ^2/NDF: 208.5/118

- sign -380.930+/-185.361 χ^2/NDF: 84.9/59



Right In: 1850.360+/-0.293 χ^2/NDF: 3911996.1/33

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

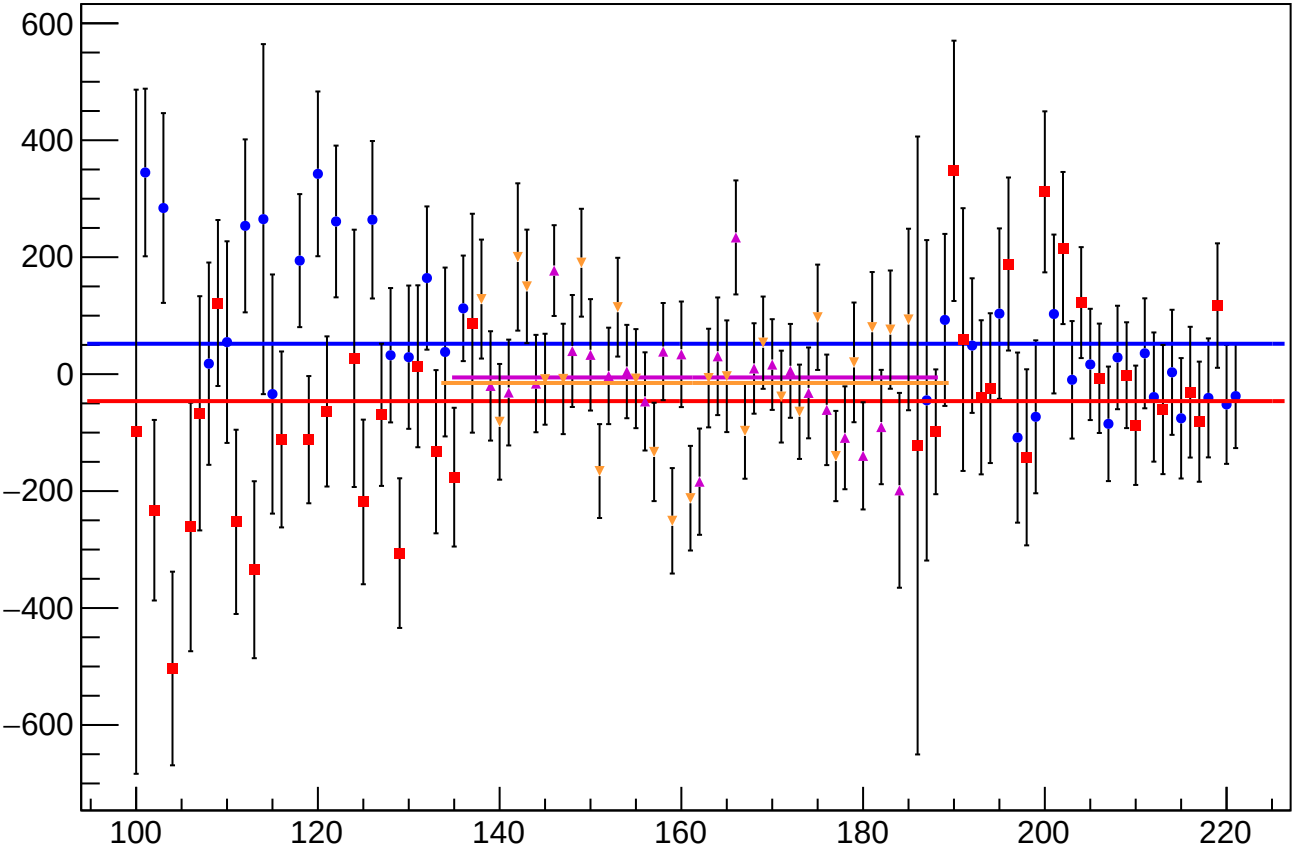
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1044.417+/-0.126 χ^2/NDF: 13910067.0/58

All: 1050.370+/-0.091 χ^2/NDF: 28161613.5/1

- sign 1056.786+/-0.131 χ^2/NDF: 14246927.6/59

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 51.969+/-20.688 χ^2/NDF: 31.5/33

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -46.141+/-21.852 χ^2/NDF: 49.1/36

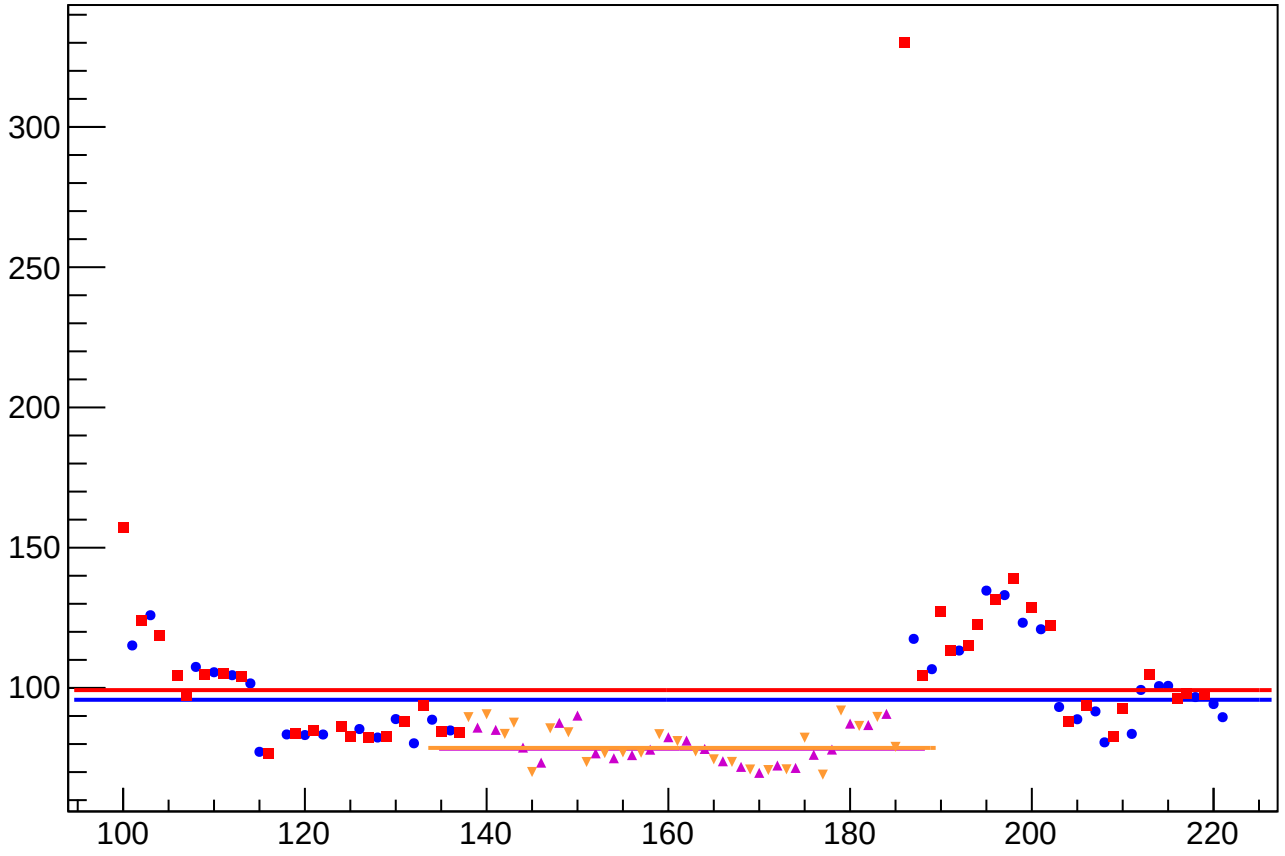
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 13.720+/-13.561 χ^2/NDF: 79.2/58

All: -3.687+/-9.763 χ^2/NDF: 156.7/118

- sign -22.415+/-14.067 χ^2/NDF: 74.1/59

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.778+/-0.015 χ^2/NDF: 945212.1/33

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

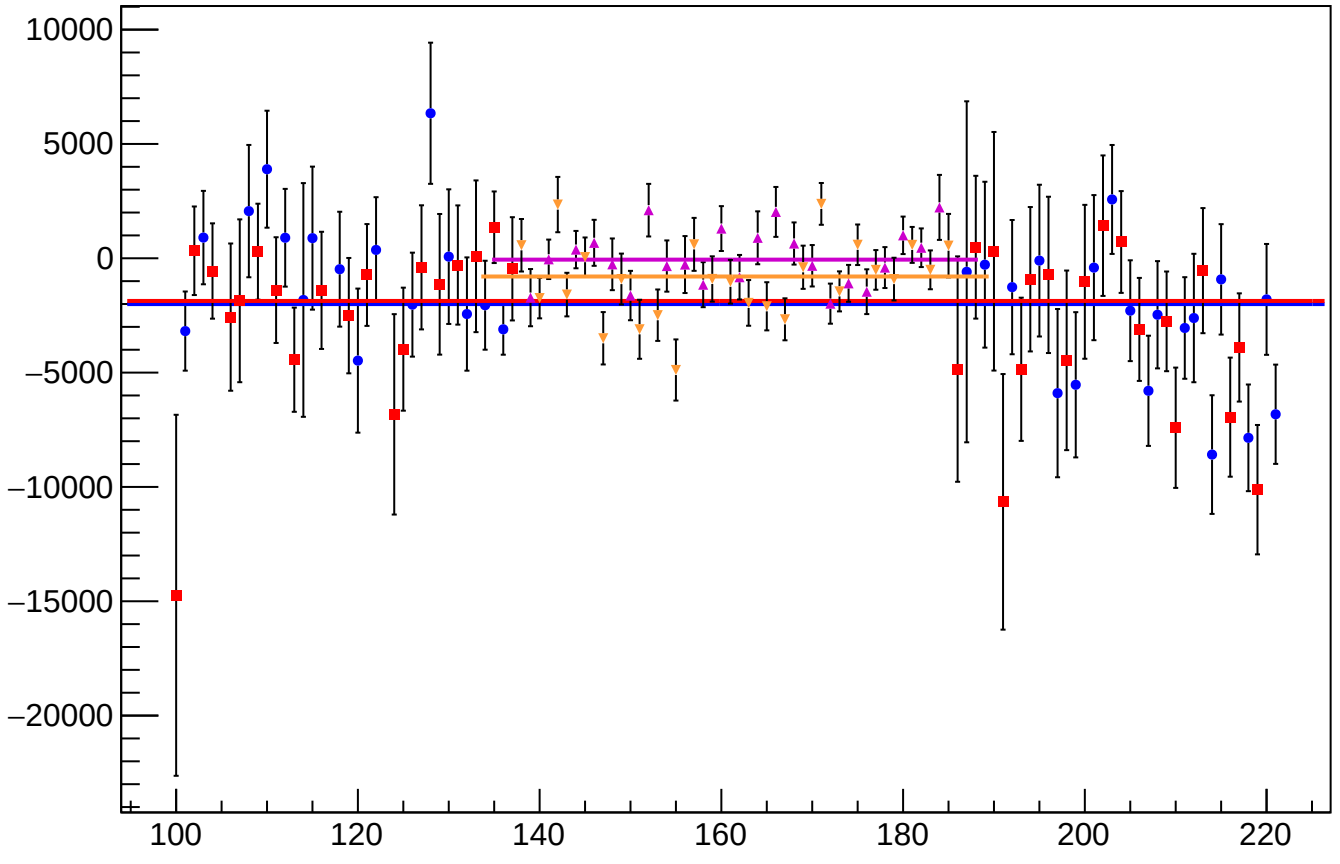
Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.991+/-0.010 χ^2/NDF: 2037175.6/58

All: 86.473+/-0.007 χ^2/NDF: 4735691.5/118

- sign 86.992+/-0.010 χ^2/NDF: 2693271.7/59



Right In: -2003.499+/-414.230 χ^2/NDF: 51.0/33

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

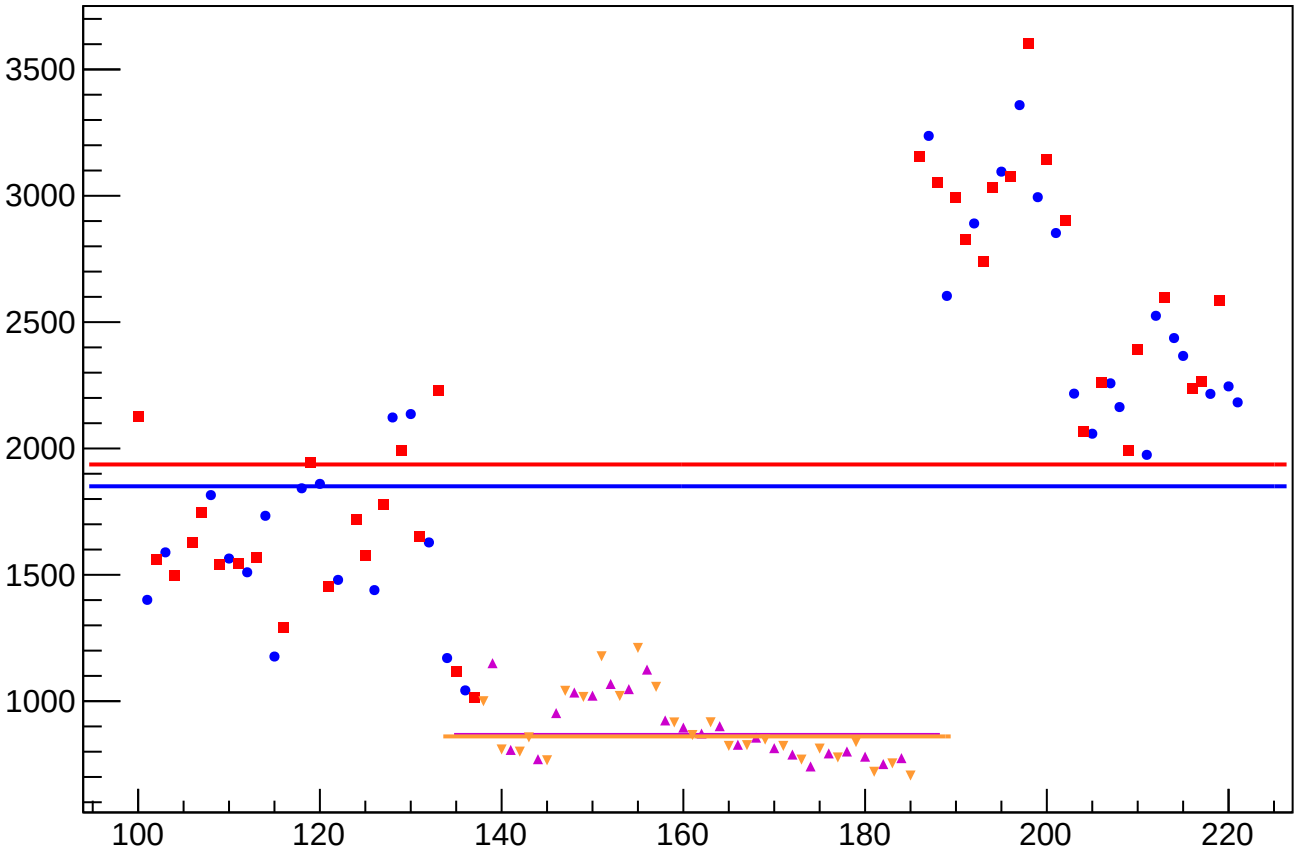
Right Out: -1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -1021.177+/-178.556 χ^2/NDF: 117.3/58

All: -713.022+/-128.597 χ^2/NDF: 208.5/118

- sign -380.930+/-185.361 χ^2/NDF: 84.9/59



Right In: 1850.360+/-0.293 χ^2/NDF: 3911996.1/33

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

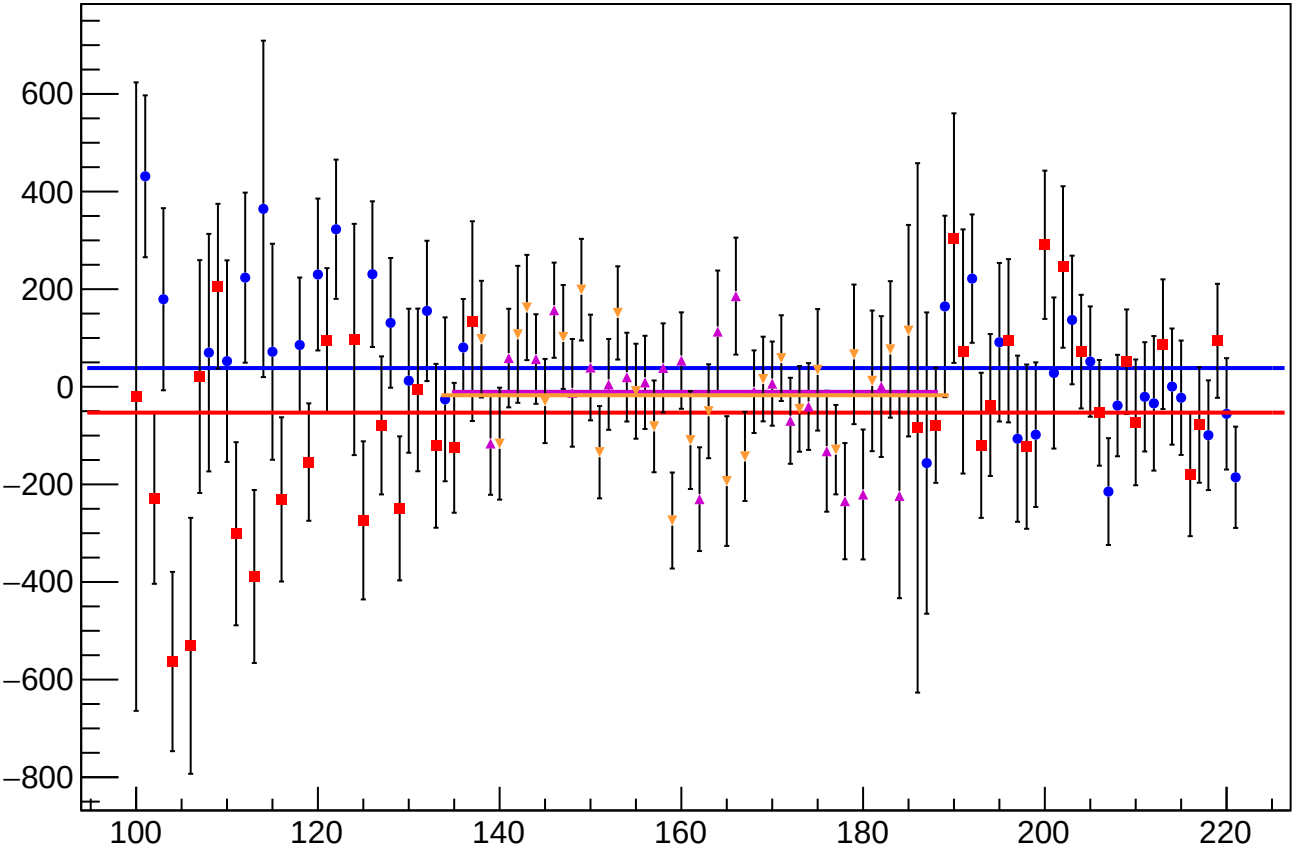
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1044.417+/-0.126 χ^2/NDF: 13910067.0/58

All: 1050.370+/-0.091 χ^2/NDF: 28161613.5/1

- sign 1056.786+/-0.131 χ^2/NDF: 14246927.6/59

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 38.361+/-23.999 χ^2/NDF: 35.7/33

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -52.986+/-25.264 χ^2/NDF: 45.8/36

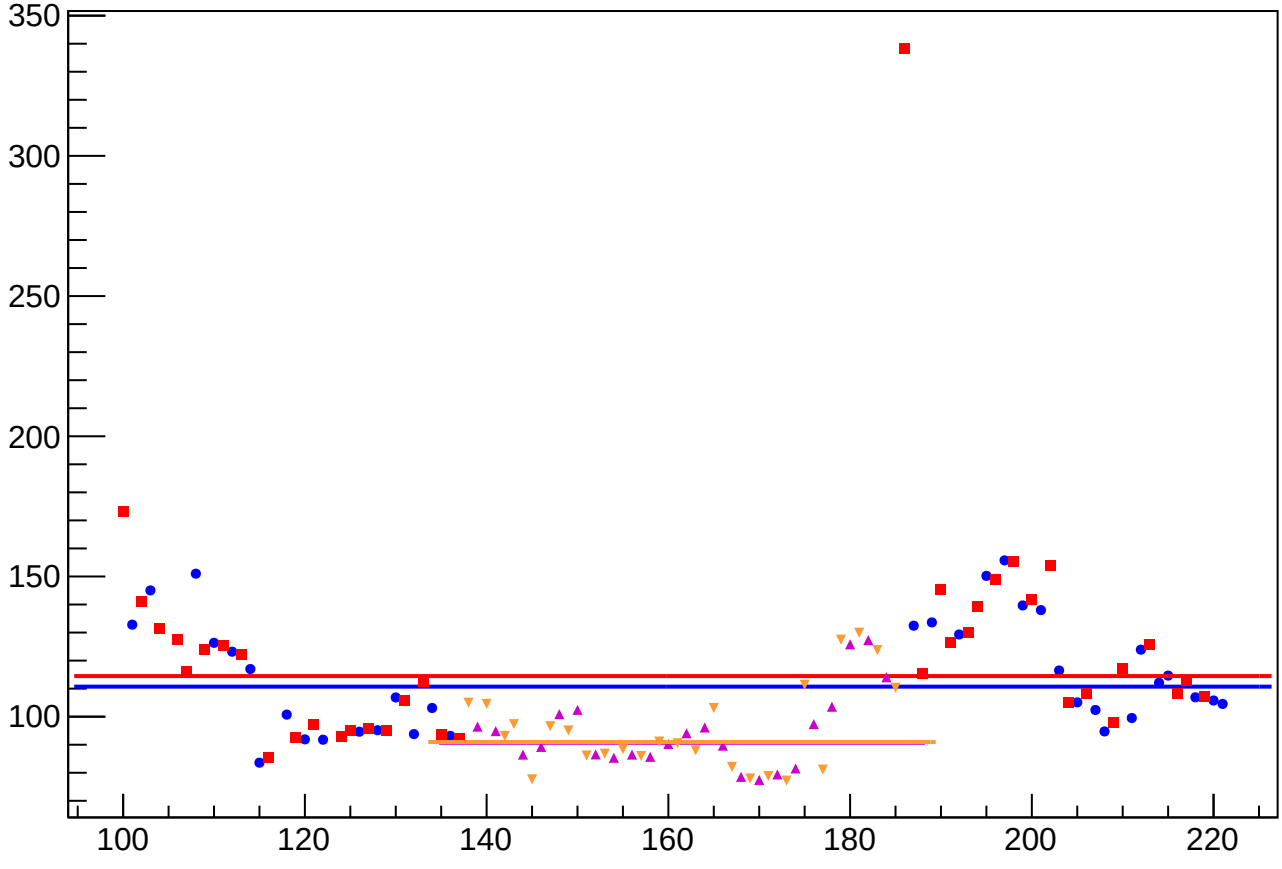
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 6.788+/-15.798 χ^2/NDF: 70.0/58

All: -10.126+/-11.369 χ^2/NDF: 142.4/118

- sign -28.297+/-16.375 χ^2/NDF: 70.1/59

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 110.713+/-0.017 χ^2/NDF: 1030002.0/33

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.482+/-0.018 χ^2/NDF: 1377595.8/36

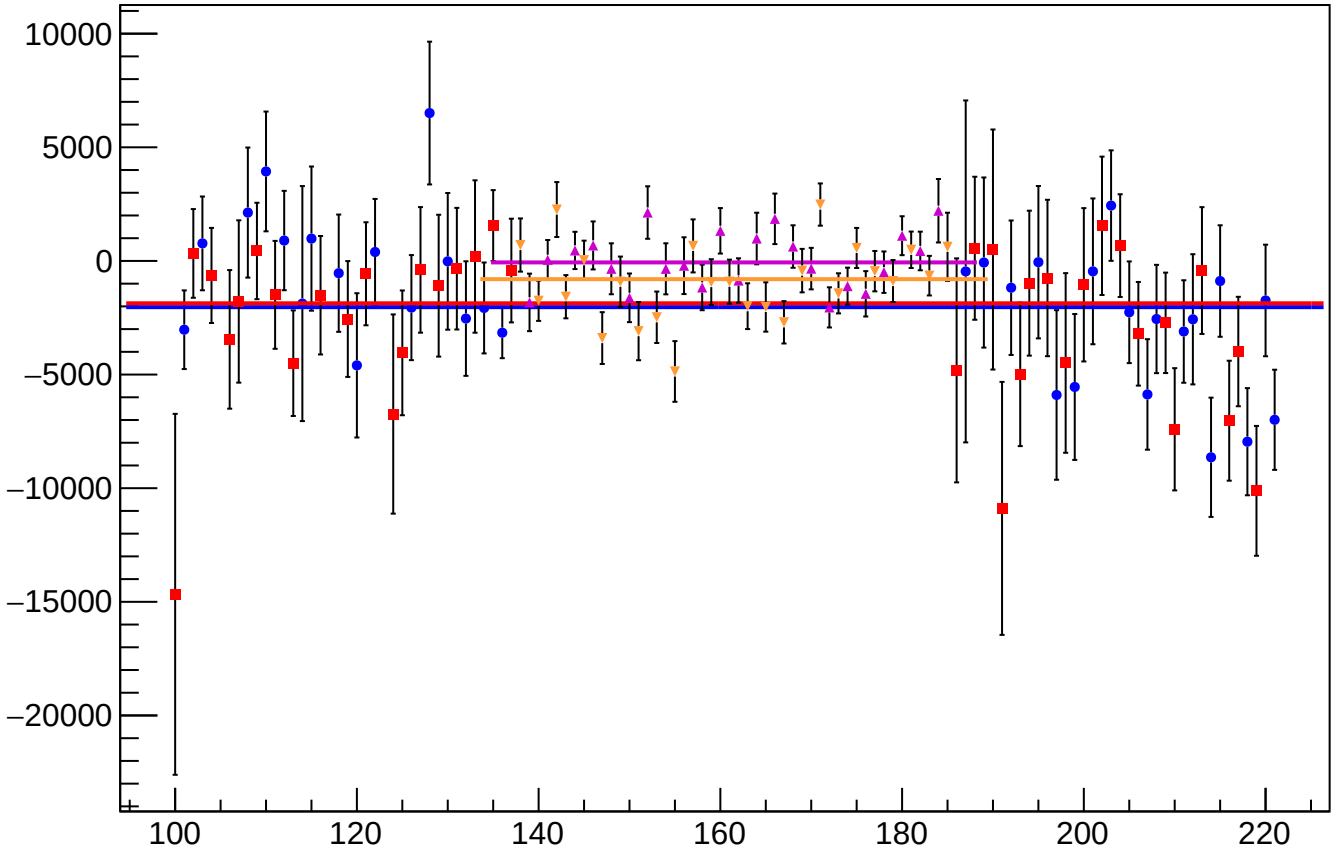
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 99.524+/-0.011 χ^2/NDF: 2581757.9/58

All: 100.083+/-0.008 χ^2/NDF: 5539114.2/118

- sign 100.685+/-0.012 χ^2/NDF: 2952144.6/59

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -2034.176+/-419.942 χ^2/NDF: 50.5/33

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1863.935+/-443.898 χ^2/NDF: 41.4/36

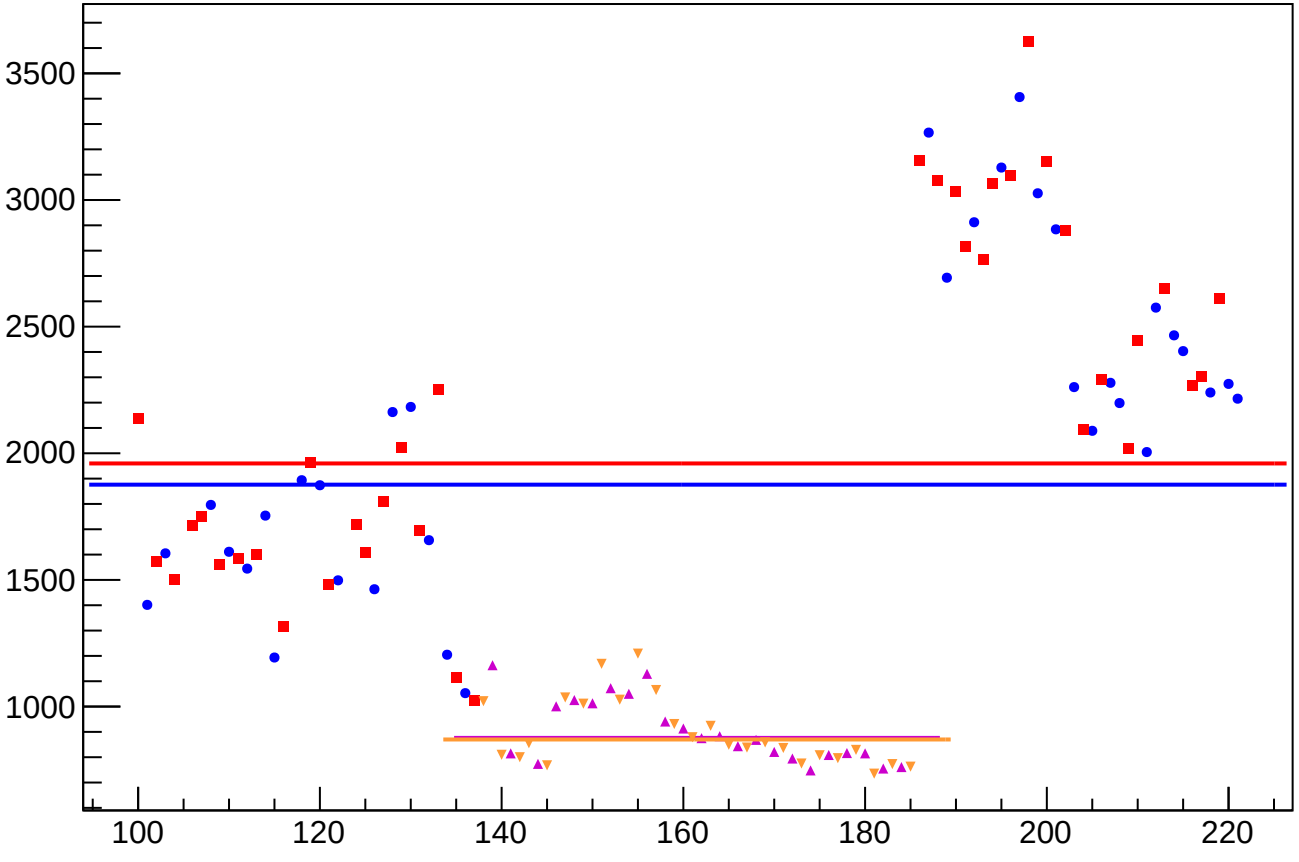
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -1029.967+/-180.458 χ^2/NDF: 115.8/58

All: -719.915+/-129.976 χ^2/NDF: 207.6/118

- sign -385.676+/-187.364 χ^2/NDF: 85.6/59

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1876.110+/-0.297 χ^2/NDF: 3923530.1/33

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1959.867+/-0.314 χ^2/NDF: 3861827.9/36

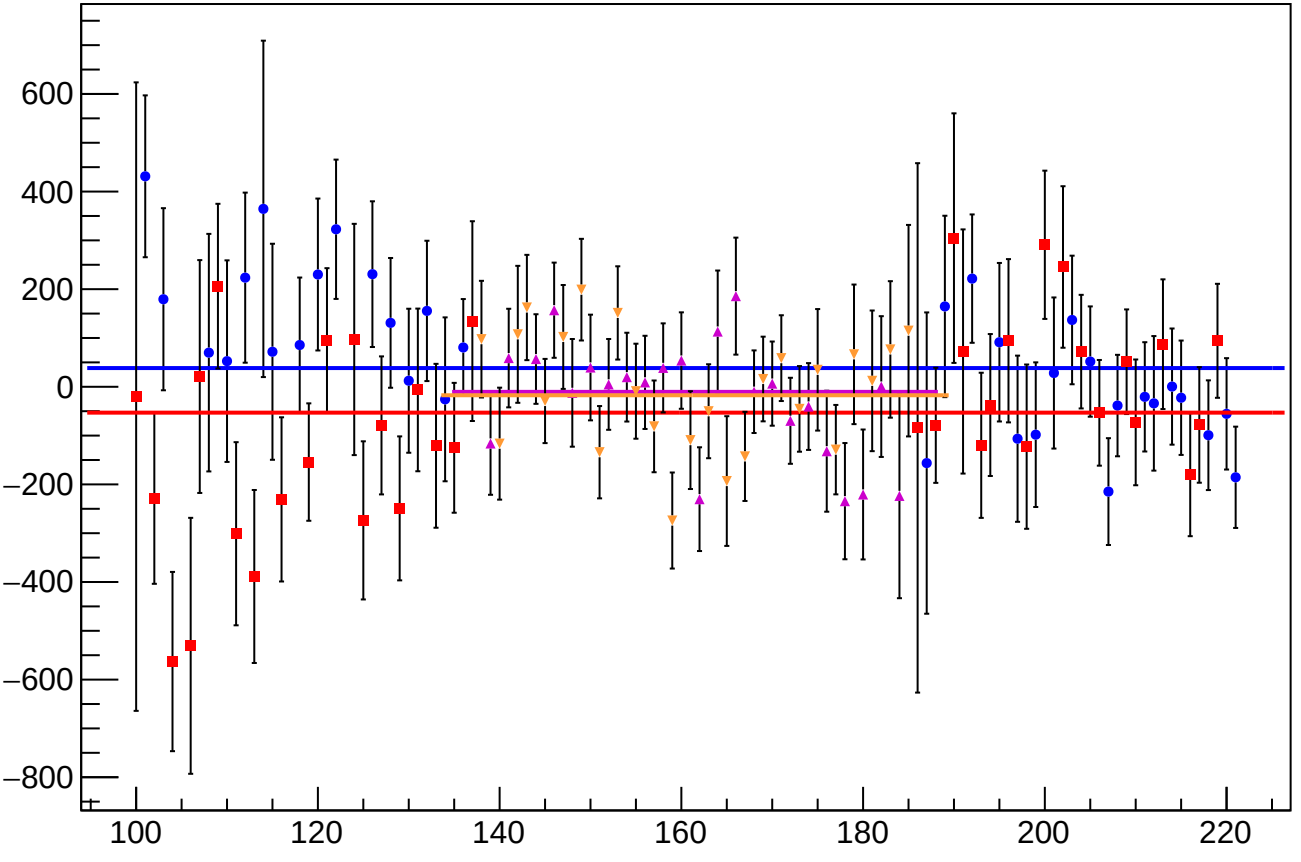
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1055.795+/-0.128 χ^2/NDF: 13930769.8/58

All: 1062.306+/-0.092 χ^2/NDF: 28189775.7/1

- sign 1069.325+/-0.132 χ^2/NDF: 14253596.0/59

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 38.365+/-23.999 χ^2/NDF: 35.7/33

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -52.983+/-25.264 χ^2/NDF: 45.8/36

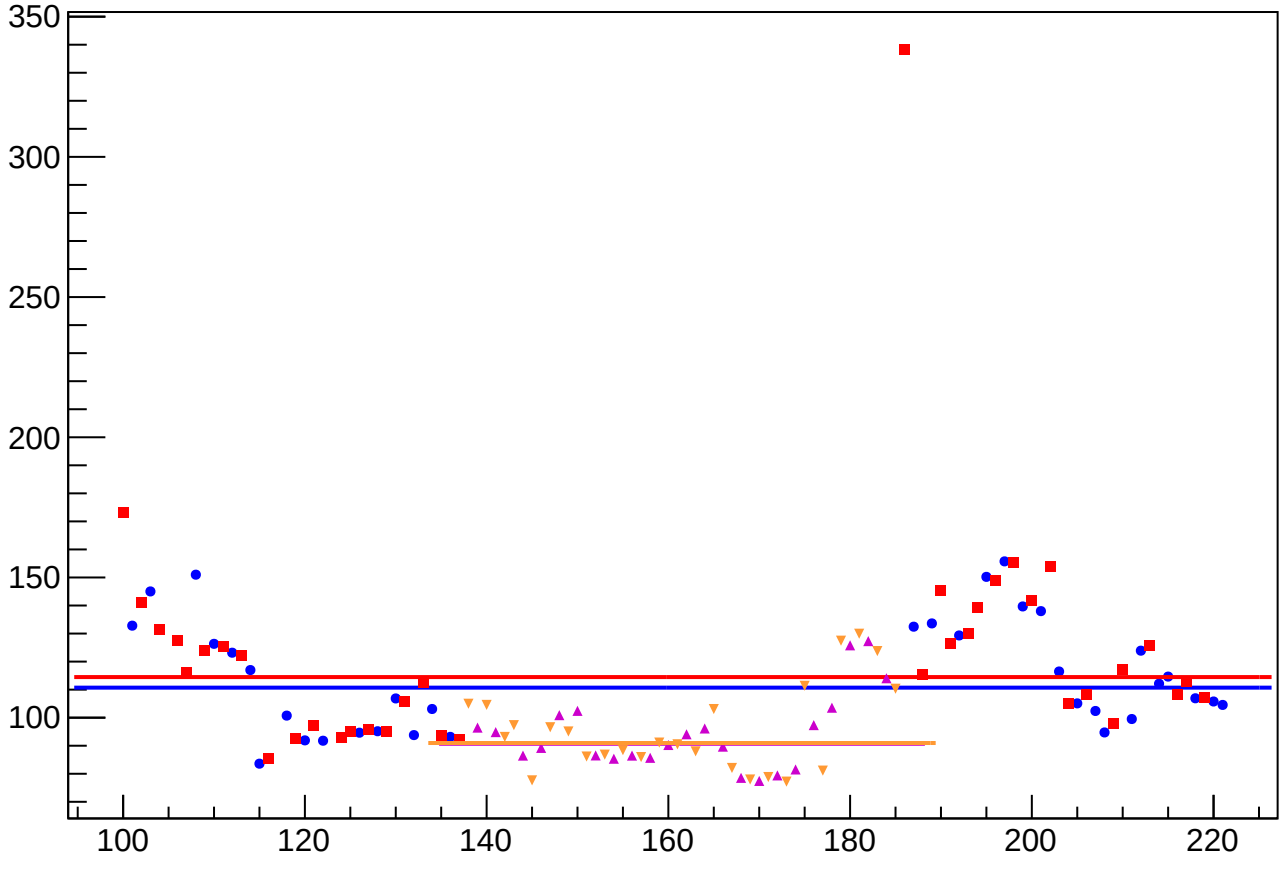
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 6.790+/-15.798 χ^2/NDF: 70.0/58

All: -10.124+/-11.369 χ^2/NDF: 142.4/118

- sign -28.296+/-16.375 χ^2/NDF: 70.1/59

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 110.712+/-0.017 χ^2/NDF: 1030018.0/33

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

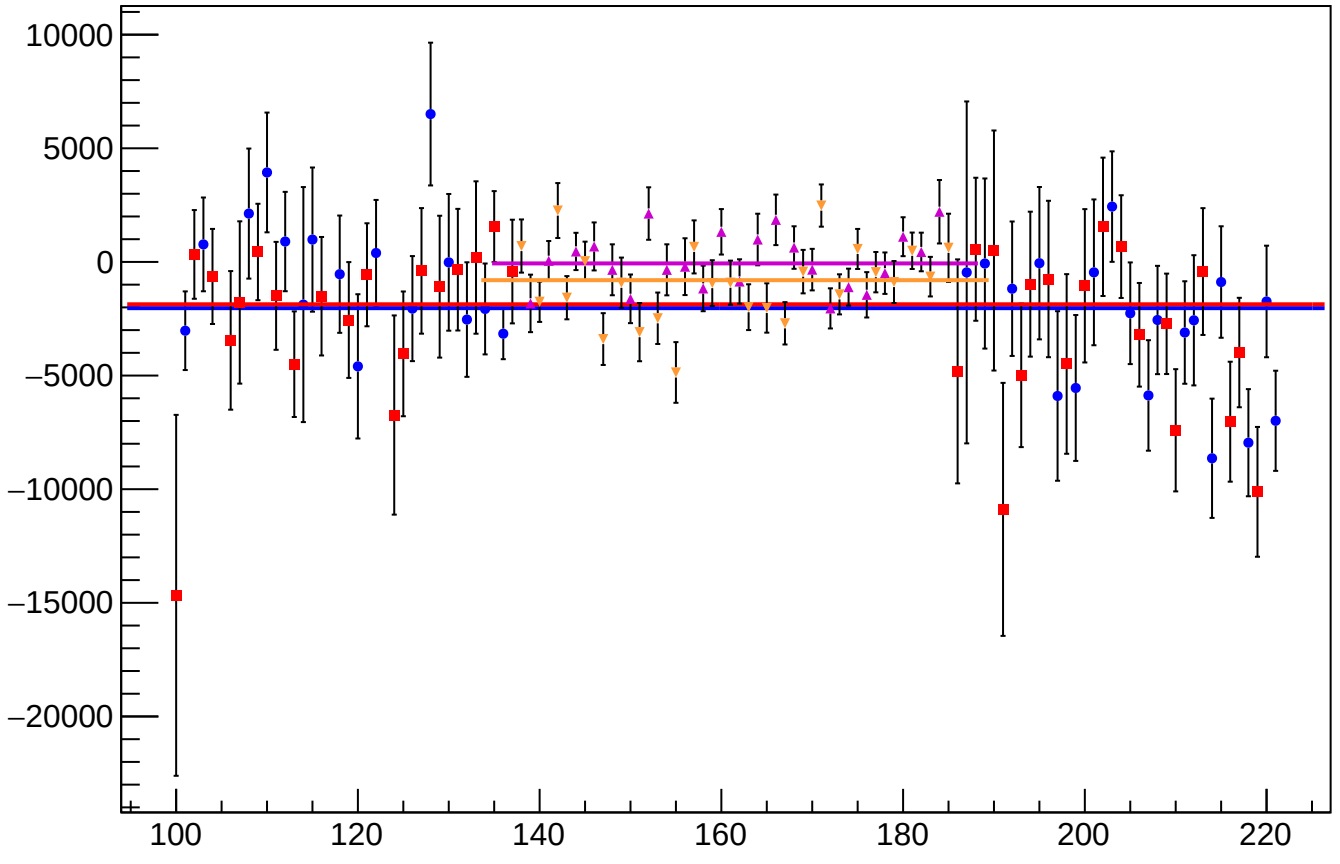
Right Out: 114.482+/-0.018 χ^2/NDF: 1377614.9/36

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 99.523+/-0.011 χ^2/NDF: 2581730.9/58

All: 100.083+/-0.008 χ^2/NDF: 5539068.4/118

- sign 100.685+/-0.012 χ^2/NDF: 2952125.9/59



Right In: -2034.171+/-419.941 χ^2/NDF: 50.5/33

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

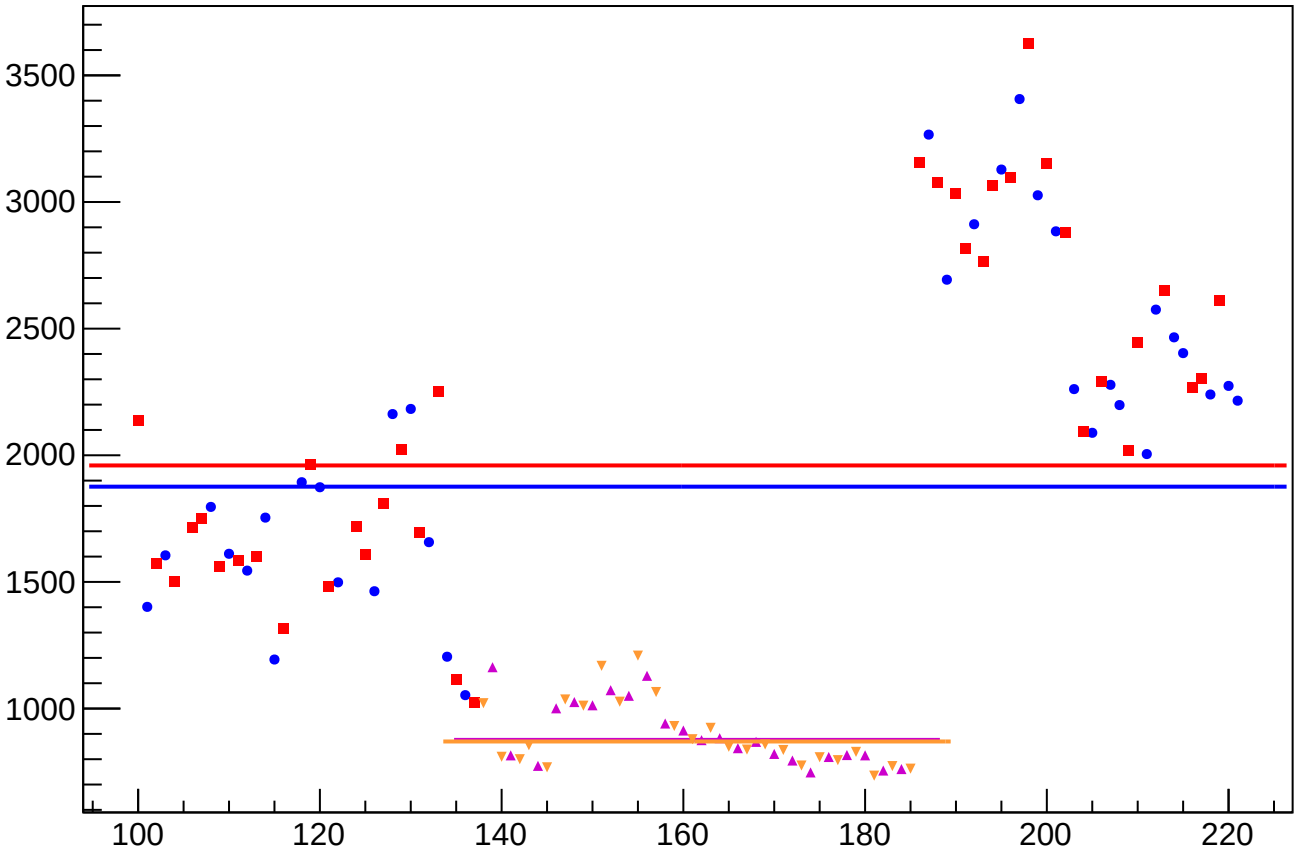
Right Out: -1863.931+/-443.897 χ^2/NDF: 41.4/36

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -1029.966+/-180.458 χ^2/NDF: 115.8/58

All: -719.914+/-129.976 χ^2/NDF: 207.6/118

- sign -385.675+/-187.364 χ^2/NDF: 85.6/59



Right In: 1876.108+/-0.297 χ^2/NDF: 3923539.6/33

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1959.864+/-0.314 χ^2/NDF: 3861842.1/36

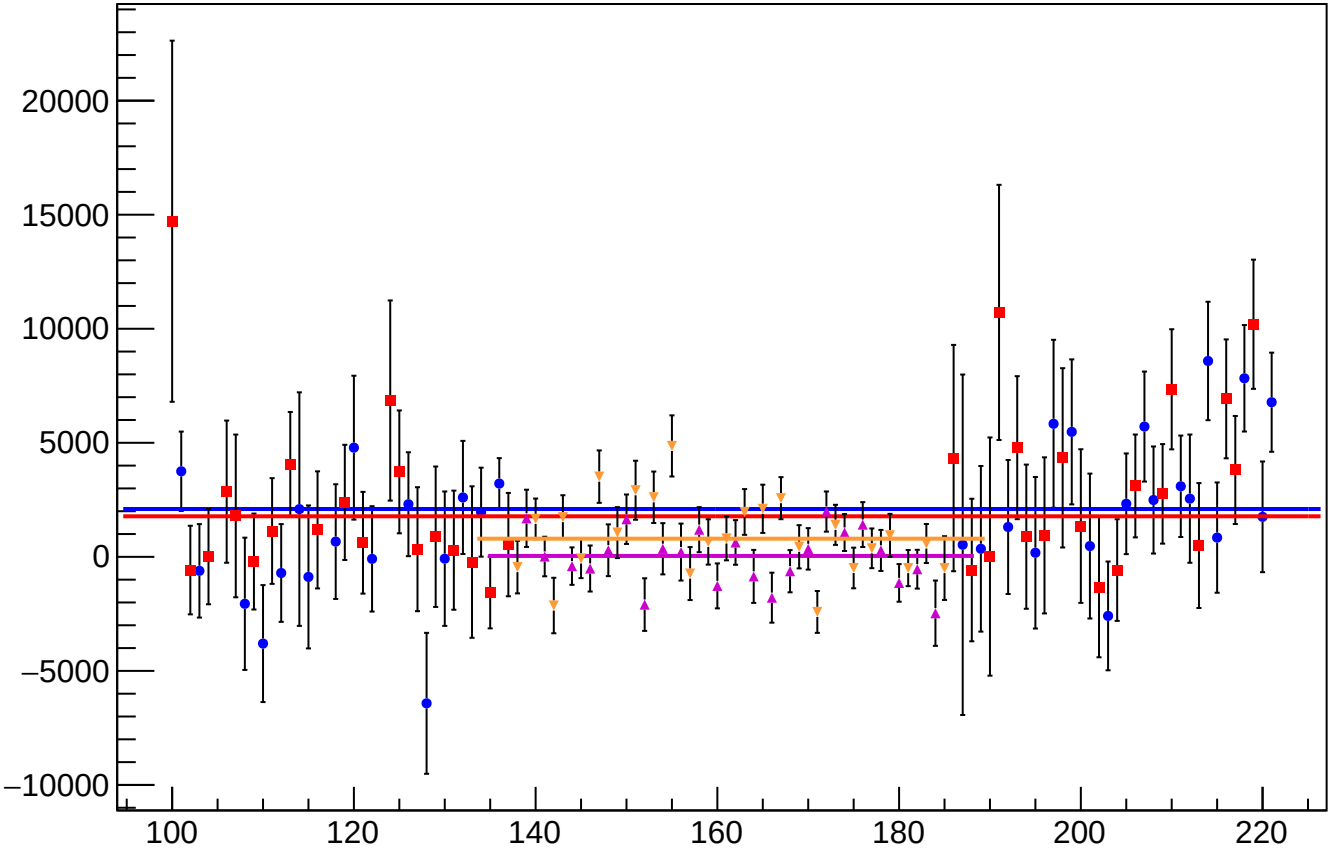
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1055.795+/-0.128 χ^2/NDF: 13930767.7/58

All: 1062.305+/-0.092 χ^2/NDF: 28189775.9/1

- sign 1069.324+/-0.132 χ^2/NDF: 14253598.3/59

asym_sam_24_68_dd_mean vs Slug



Right In: 2097.049+/-415.038 χ^2/NDF: 50.4/33

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1777.859+/-439.914 χ^2/NDF: 40.9/36

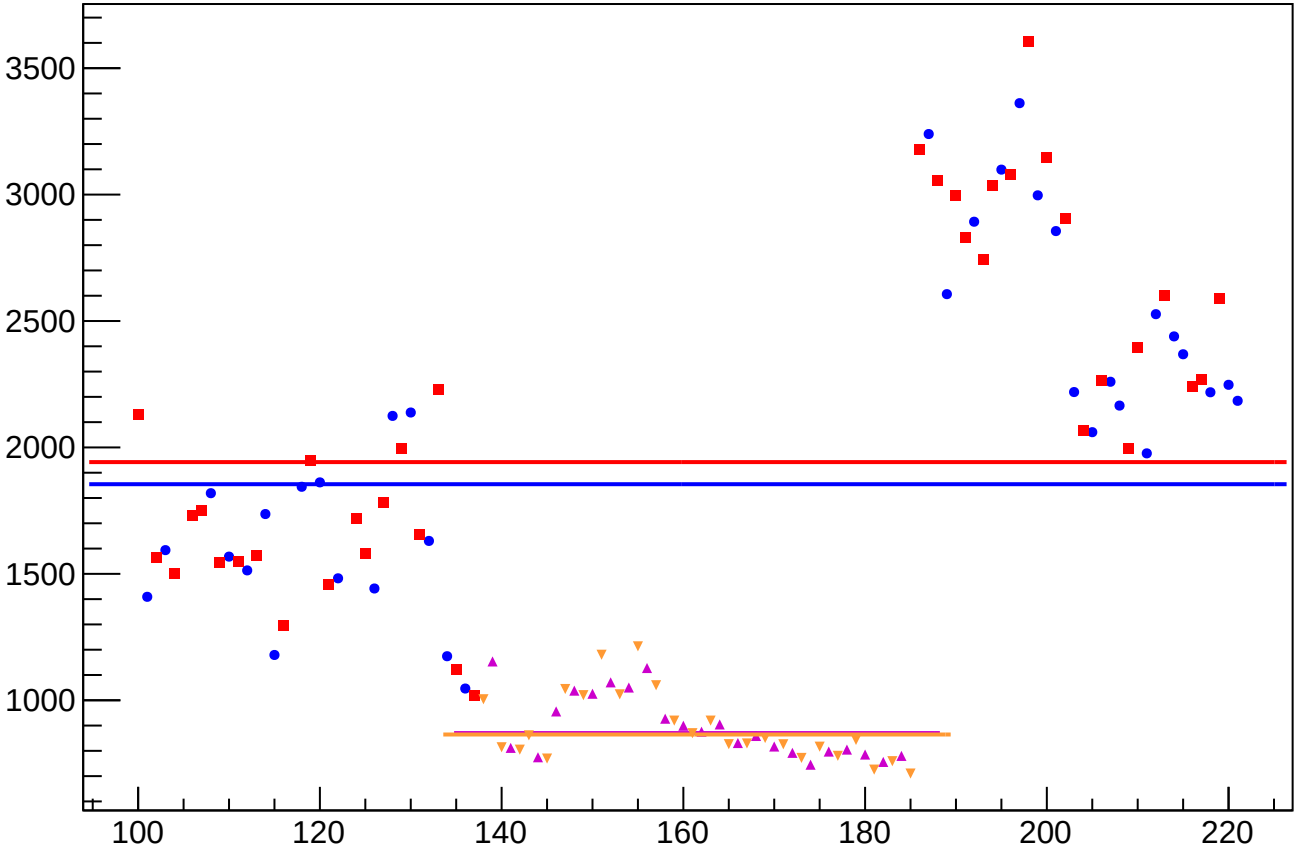
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 1039.035+/-179.295 χ^2/NDF: 115.6/58

All: 707.645+/-129.111 χ^2/NDF: 206.2/118

- sign 350.716+/-186.075 χ^2/NDF: 83.5/59

asym_sam_24_68_dd_rms vs Slug



Right In: 1854.593+/-0.293 χ^2/NDF: 3886477.2/33

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

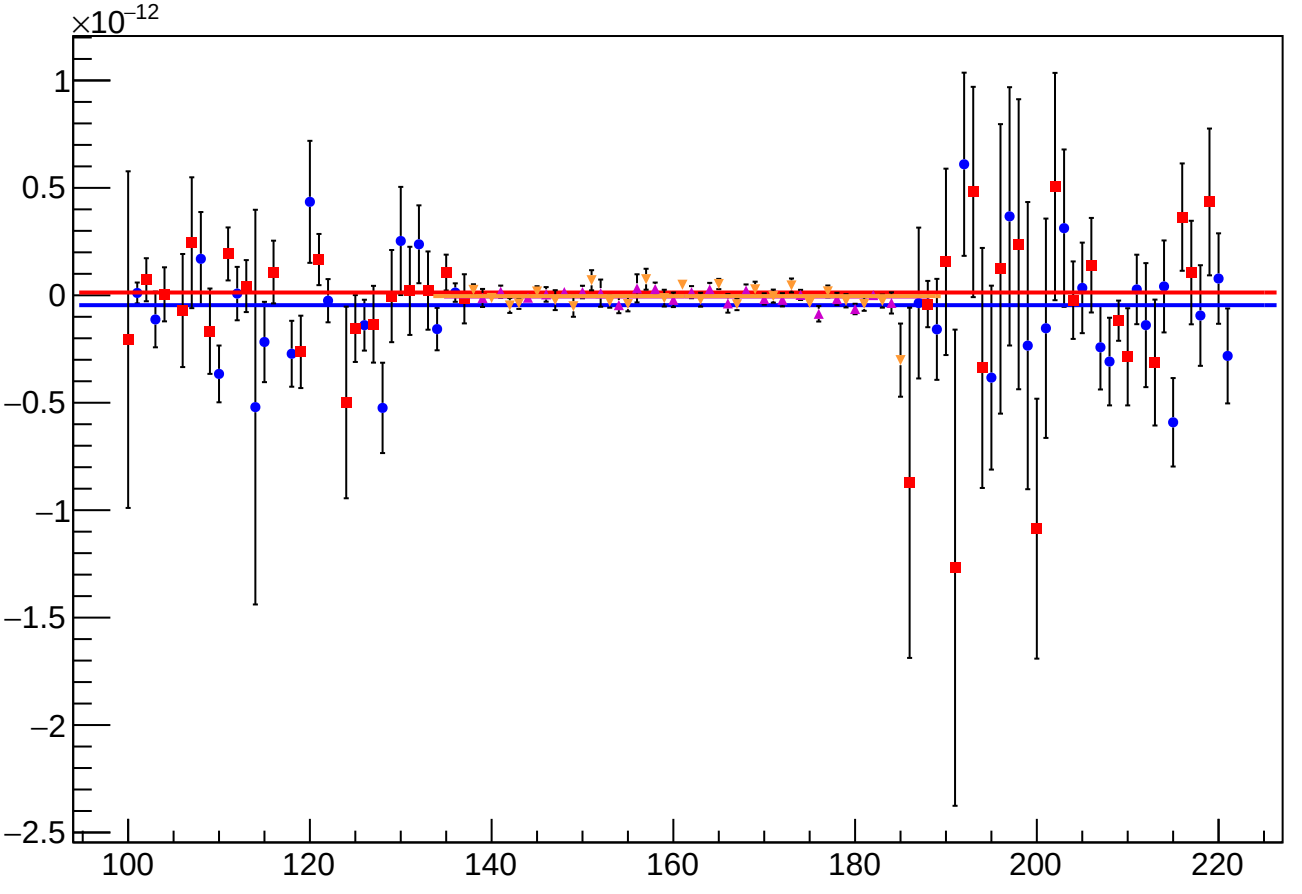
Right Out: 1942.032+/-0.311 χ^2/NDF: 3854609.0/36

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1049.382+/-0.127 χ^2/NDF: 13830469.8/58

All: 1055.498+/-0.091 χ^2/NDF: 28040254.3/1

- sign 1062.084+/-0.132 χ^2/NDF: 14204952.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 44.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

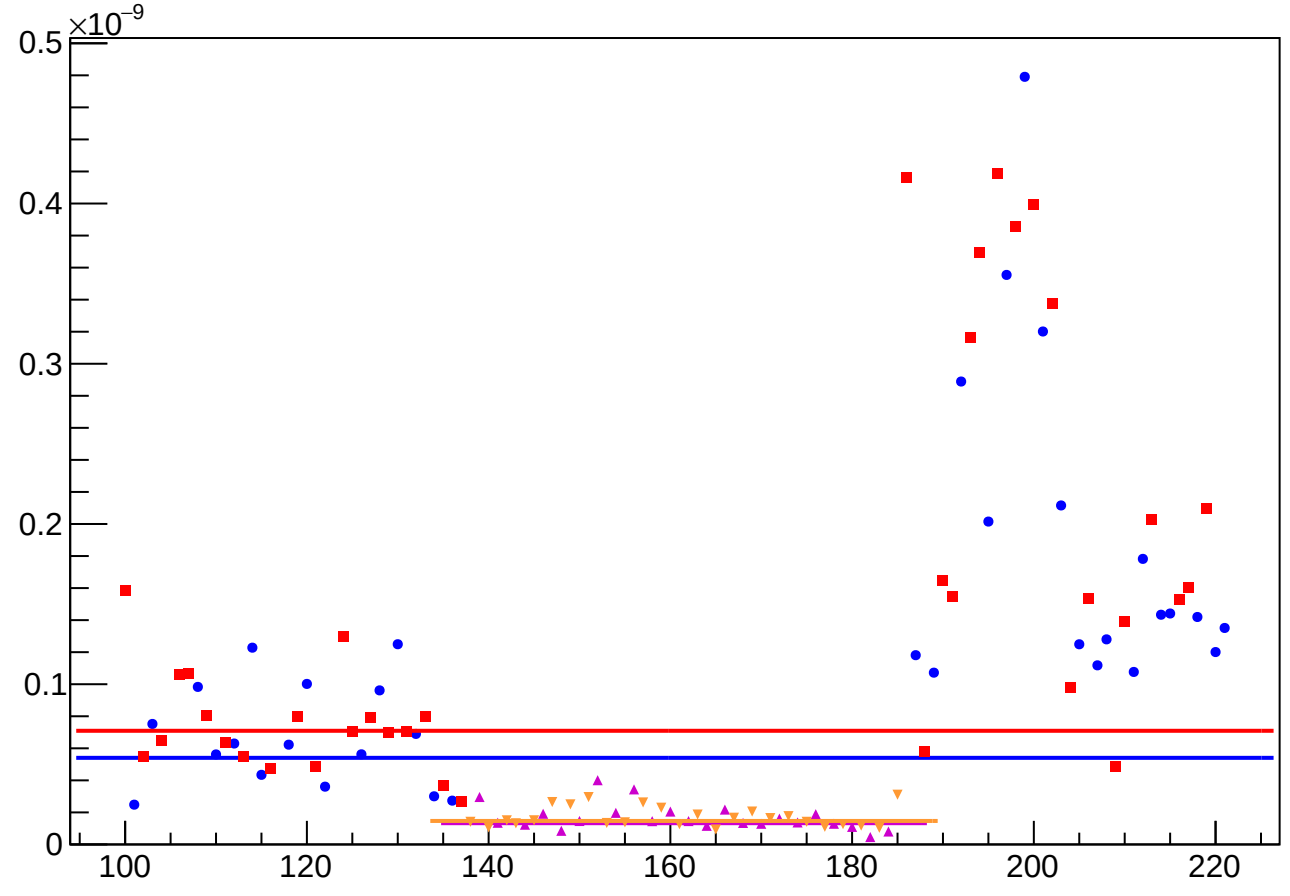
Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.1/58

All: -0.000+/-0.000 χ^2/NDF: 138.0/118

- sign -0.000+/-0.000 χ^2/NDF: 51.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 8123586.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6480825.8/36

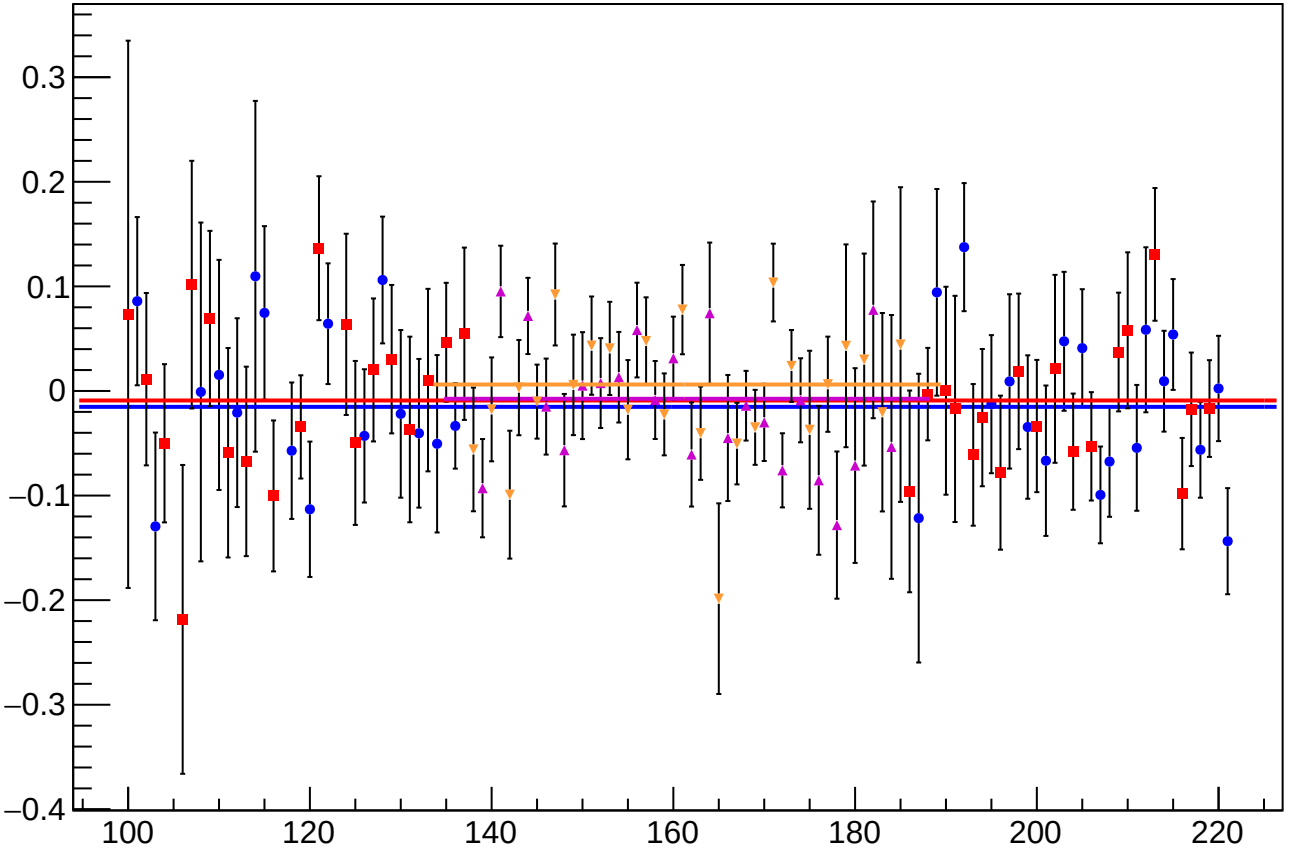
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14655818.4/58

All: 0.000+/-0.000 χ^2/NDF: 30981181.0/118

- sign 0.000+/-0.000 χ^2/NDF: 16263784.3/59

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

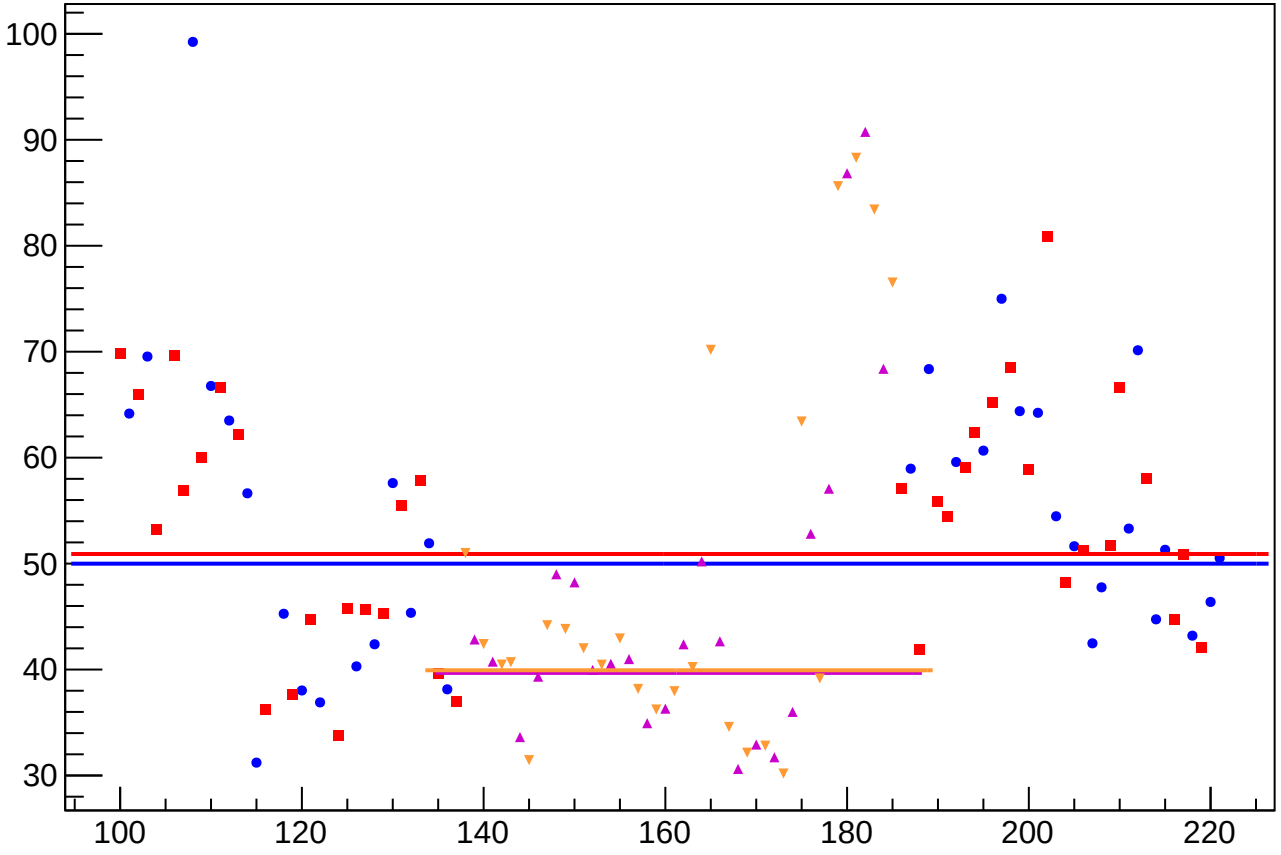
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.005+/-0.005 χ^2/NDF: 131.3/118

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.993+/-0.008 χ^2/NDF: 1803655.8/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

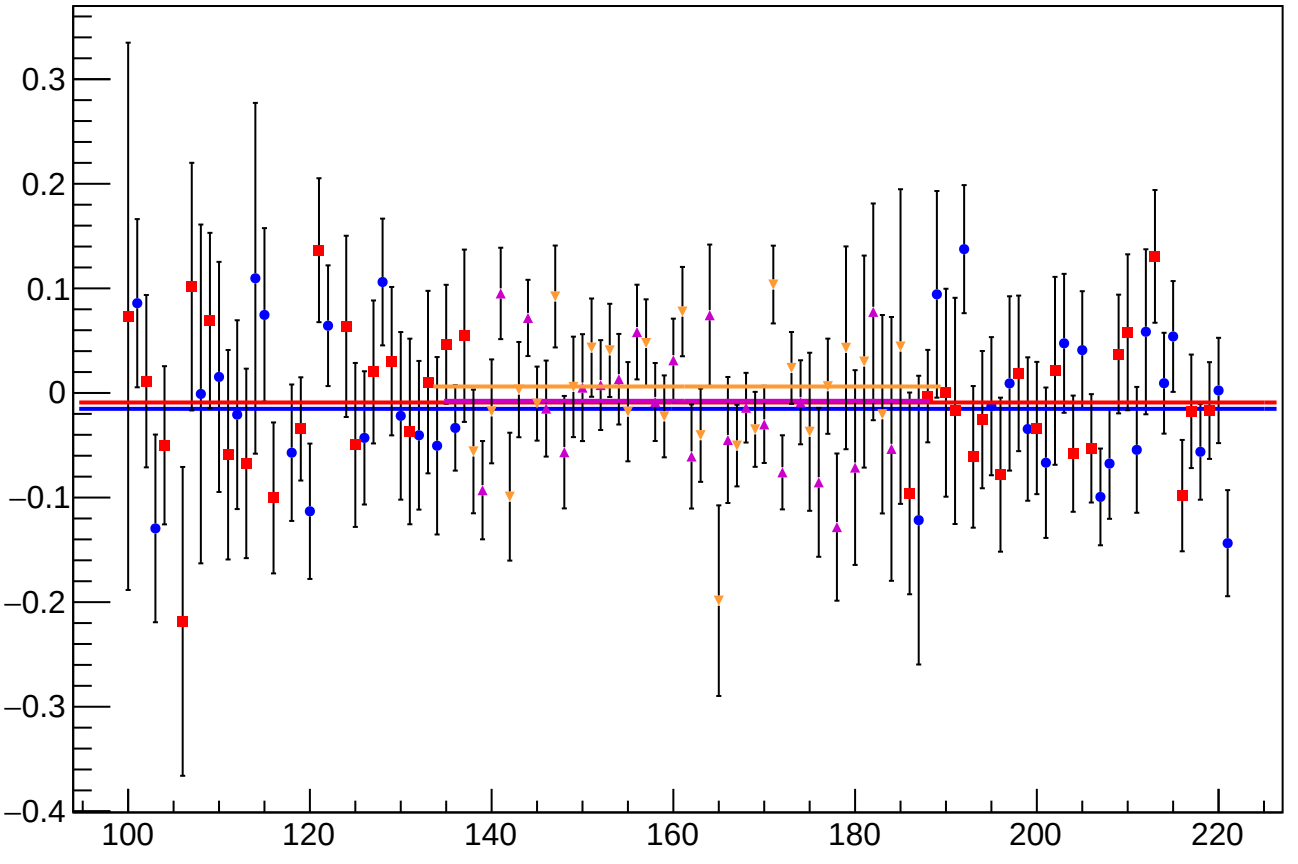
Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223507.7/58

All: 44.323+/-0.004 χ^2/NDF: 9828295.2/118

- sign 44.423+/-0.005 χ^2/NDF: 4604093.2/59



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

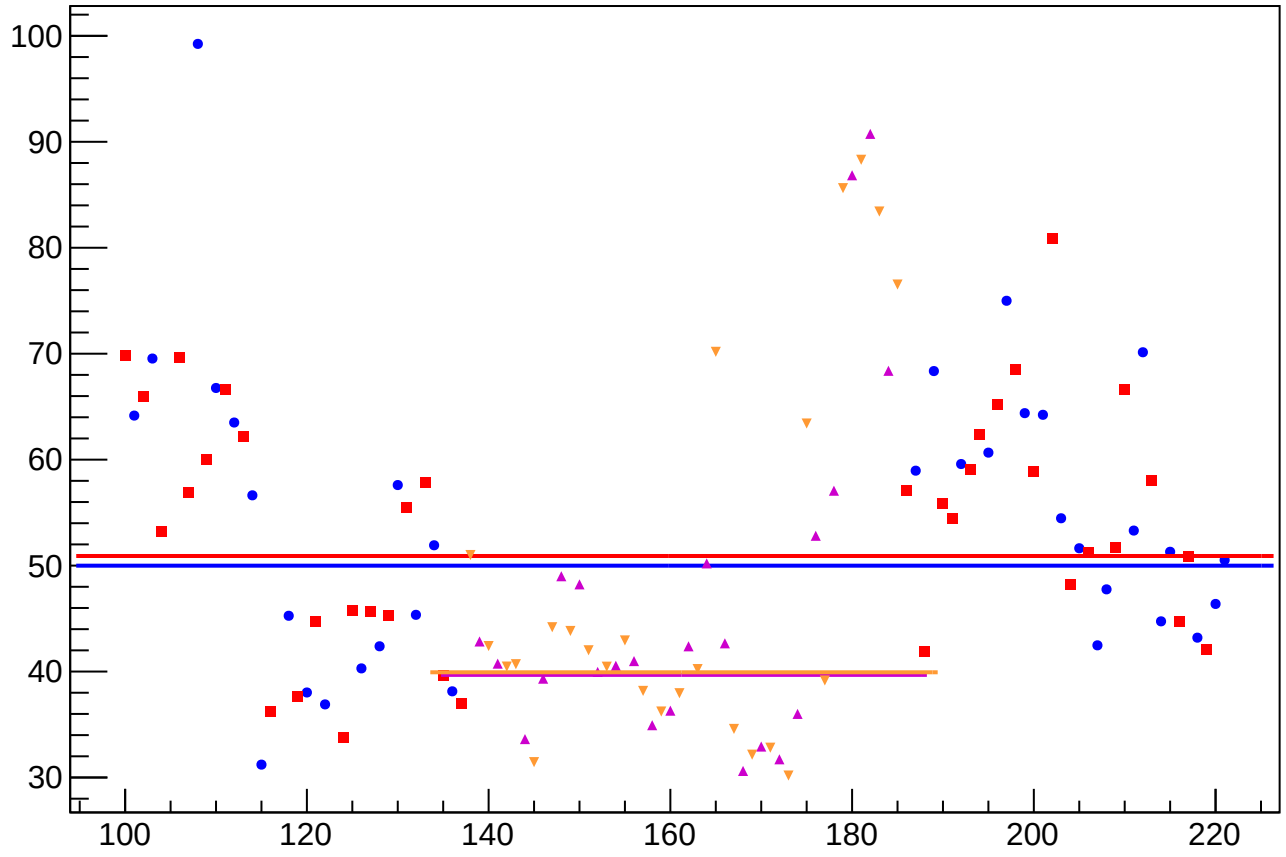
Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.005+/-0.005 χ^2/NDF: 131.3/118

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59



Right In: 49.993+/-0.008 χ^2/NDF: 1803655.8/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

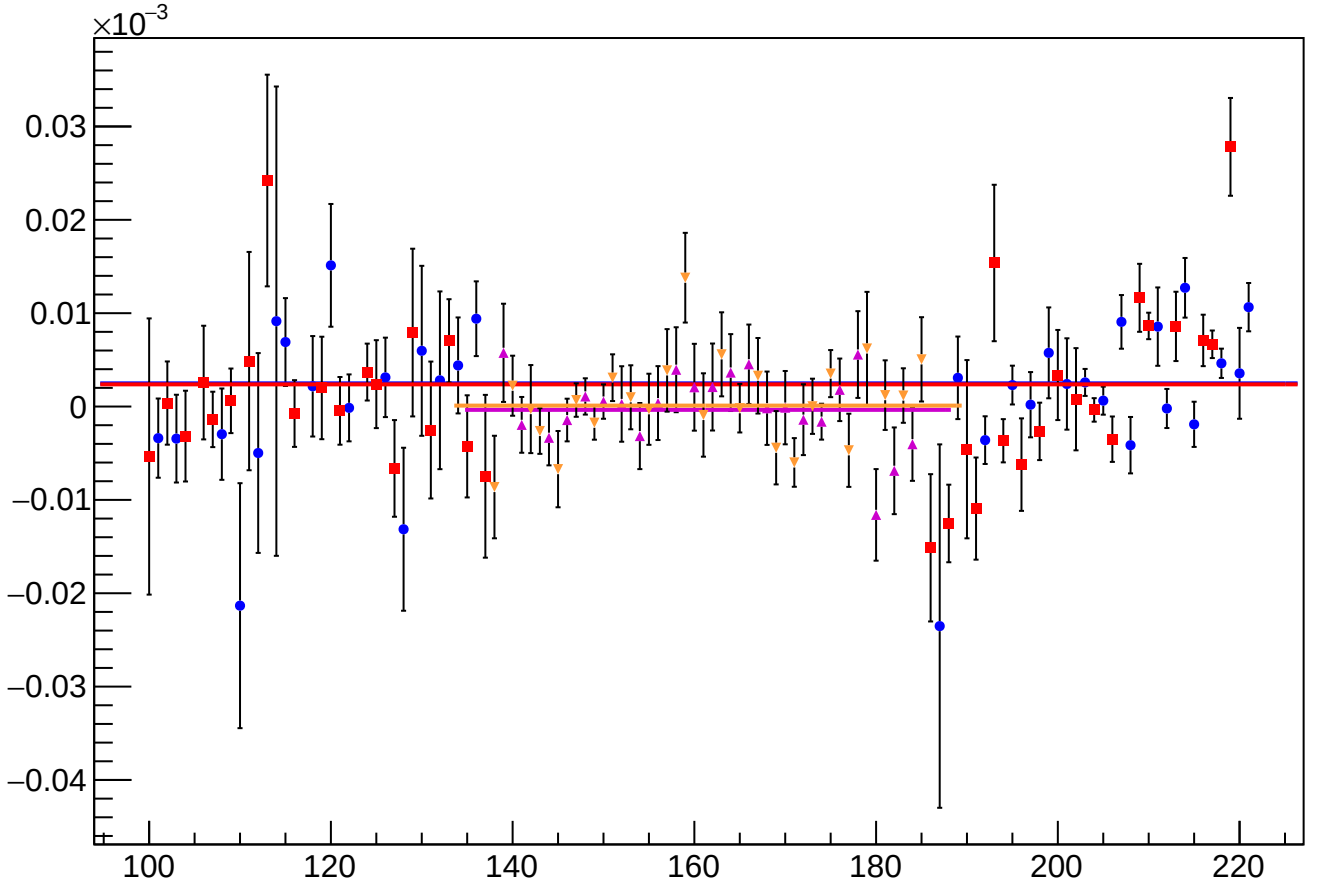
Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223507.7/58

All: 44.323+/-0.004 χ^2/NDF: 9828295.2/118

- sign 44.423+/-0.005 χ^2/NDF: 4604093.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 69.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

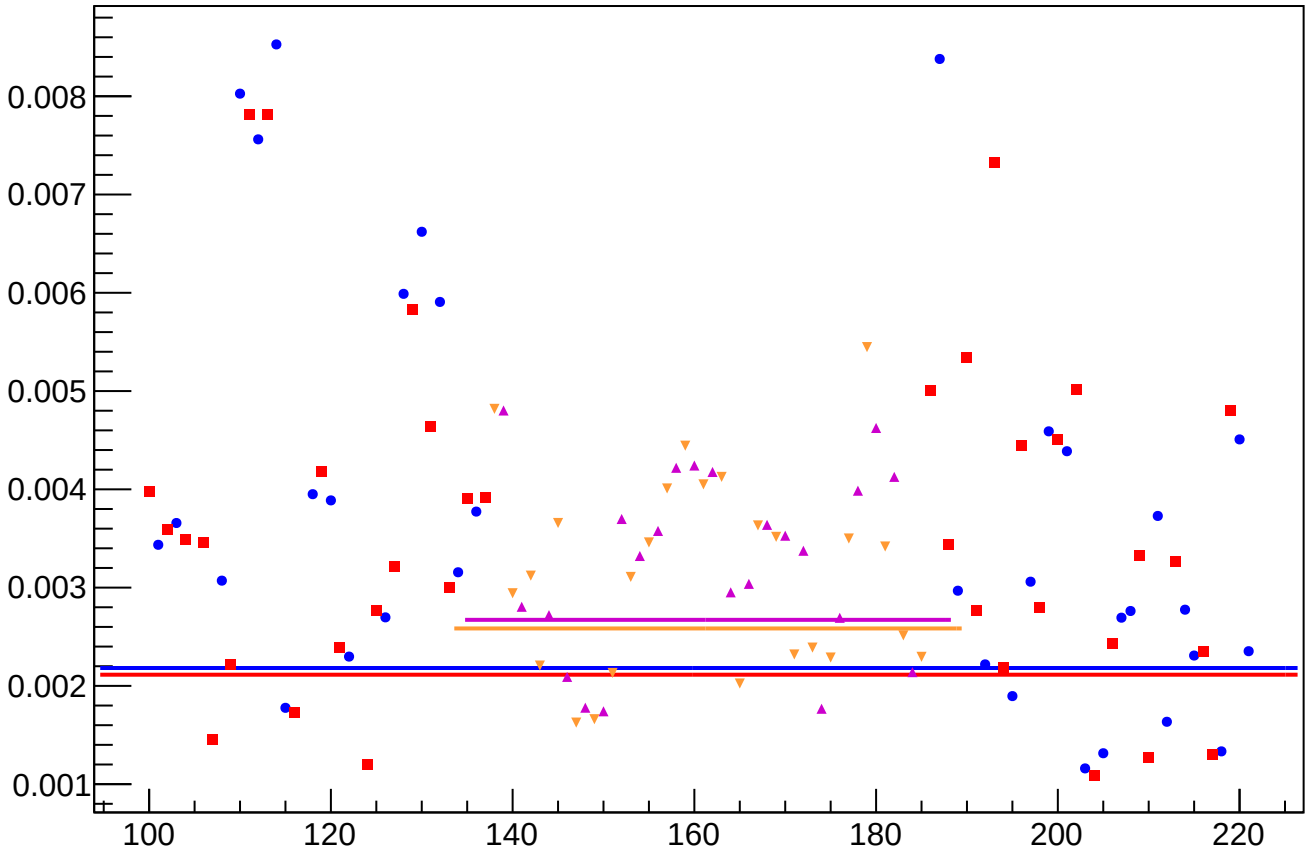
Right Out: 0.000+/-0.000 χ^2/NDF: 130.2/36

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 110.8/58

All: 0.000+/-0.000 χ^2/NDF: 269.9/118

- sign 0.000+/-0.000 χ^2/NDF: 159.0/59



Right In: 0.002+/-0.000 χ^2/NDF: 8078530.3/33

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

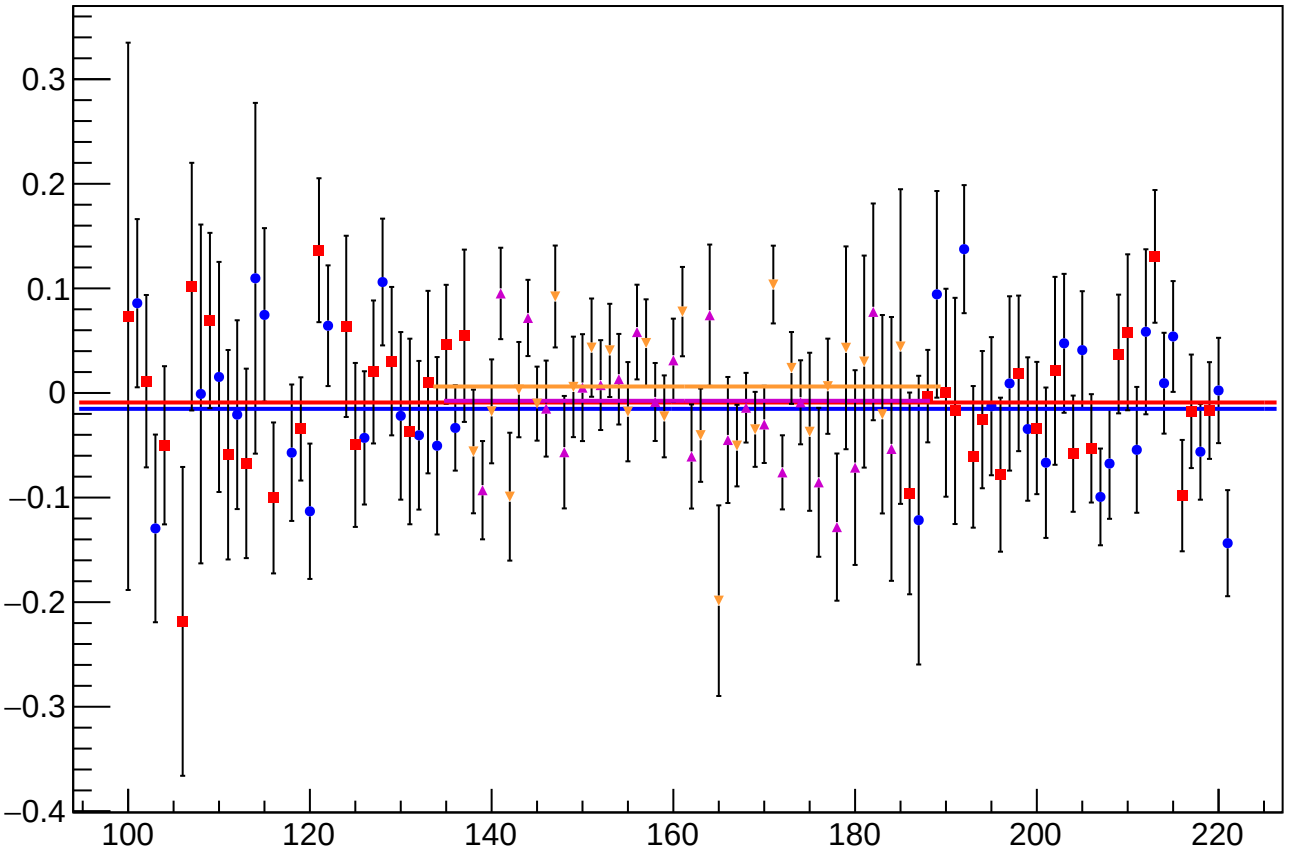
Right Out: 0.002+/-0.000 χ^2/NDF: 9929386.7/36

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 12445449.2/58

All: 0.002+/-0.000 χ^2/NDF: 27048026.0/118

- sign 0.002+/-0.000 χ^2/NDF: 14600154.5/59



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

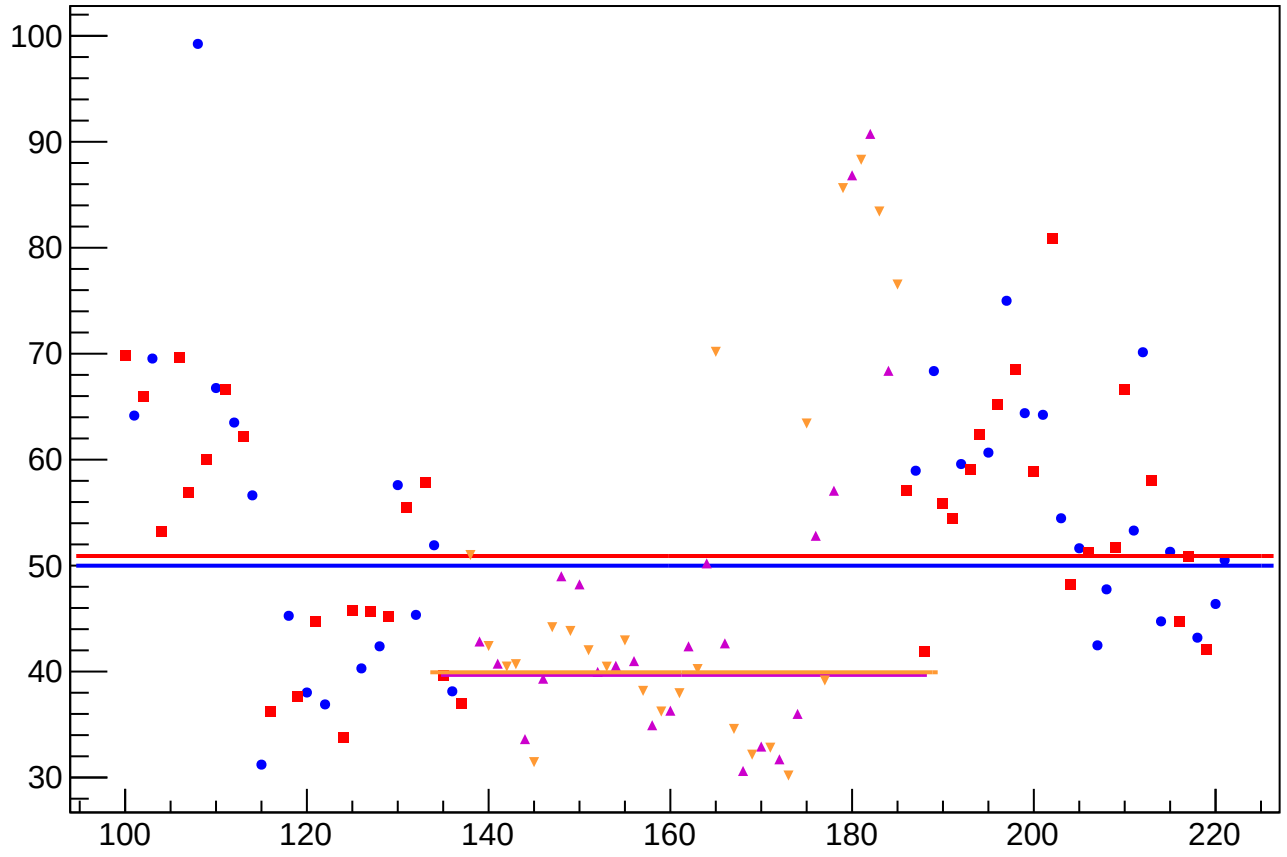
Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.005+/-0.005 χ^2/NDF: 131.3/118

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59



Right In: 49.991+/-0.008 χ^2/NDF: 1803742.1/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

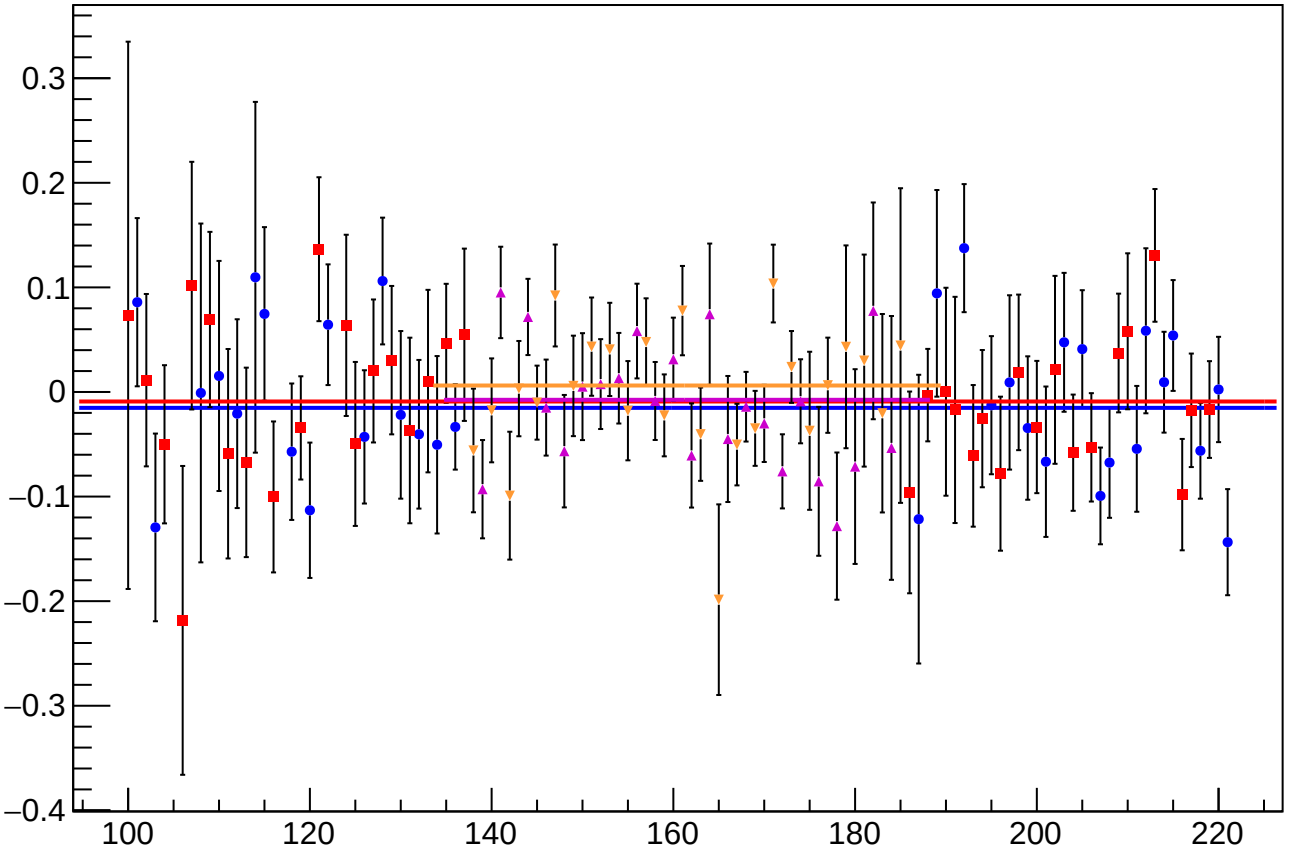
Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223414.4/58

All: 44.323+/-0.004 χ^2/NDF: 9828207.0/118

- sign 44.422+/-0.005 χ^2/NDF: 4604098.6/59



Right In: -0.015+/-0.011 χ^2/NDF: 39.8/33

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

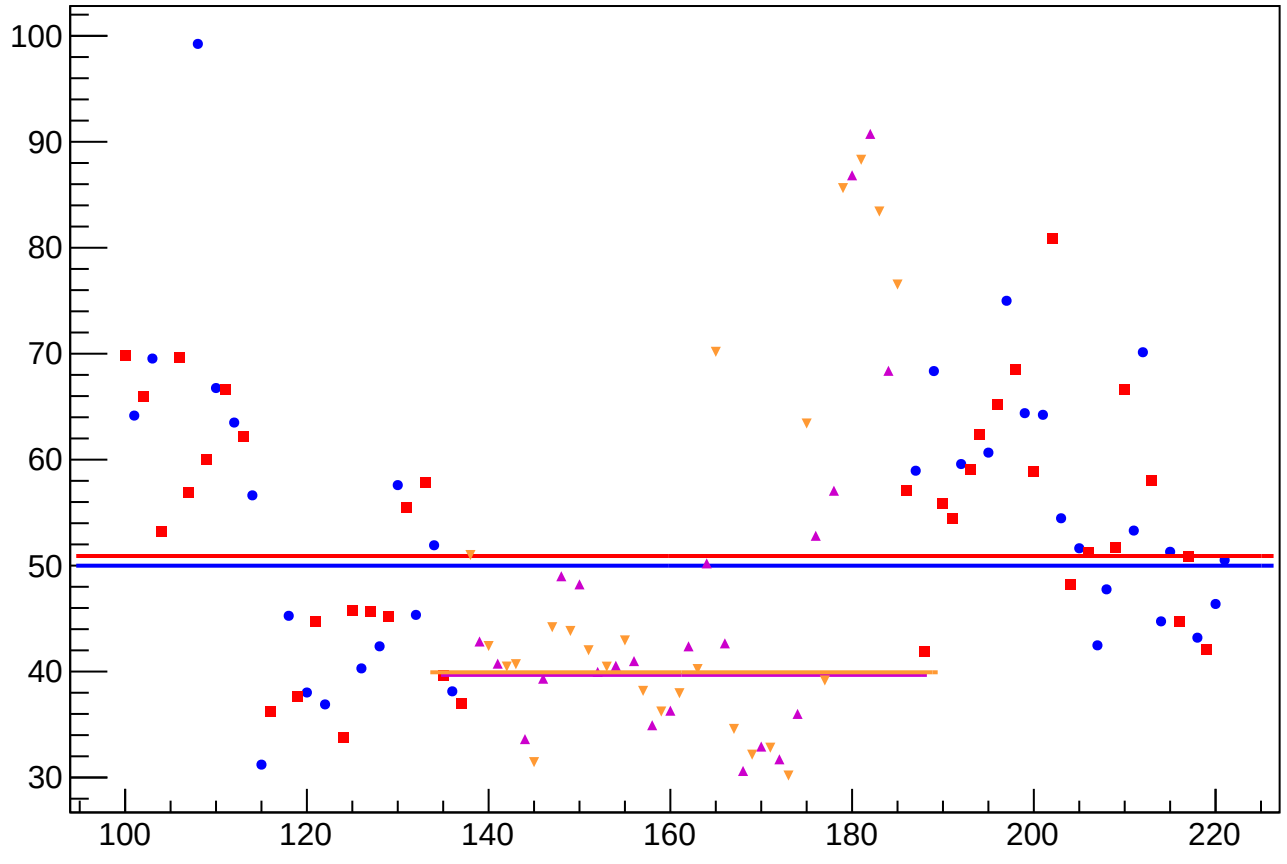
Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.003+/-0.007 χ^2/NDF: 72.8/58

All: -0.005+/-0.005 χ^2/NDF: 131.3/118

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59



Right In: 49.991+/-0.008 χ^2/NDF: 1803742.1/33

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

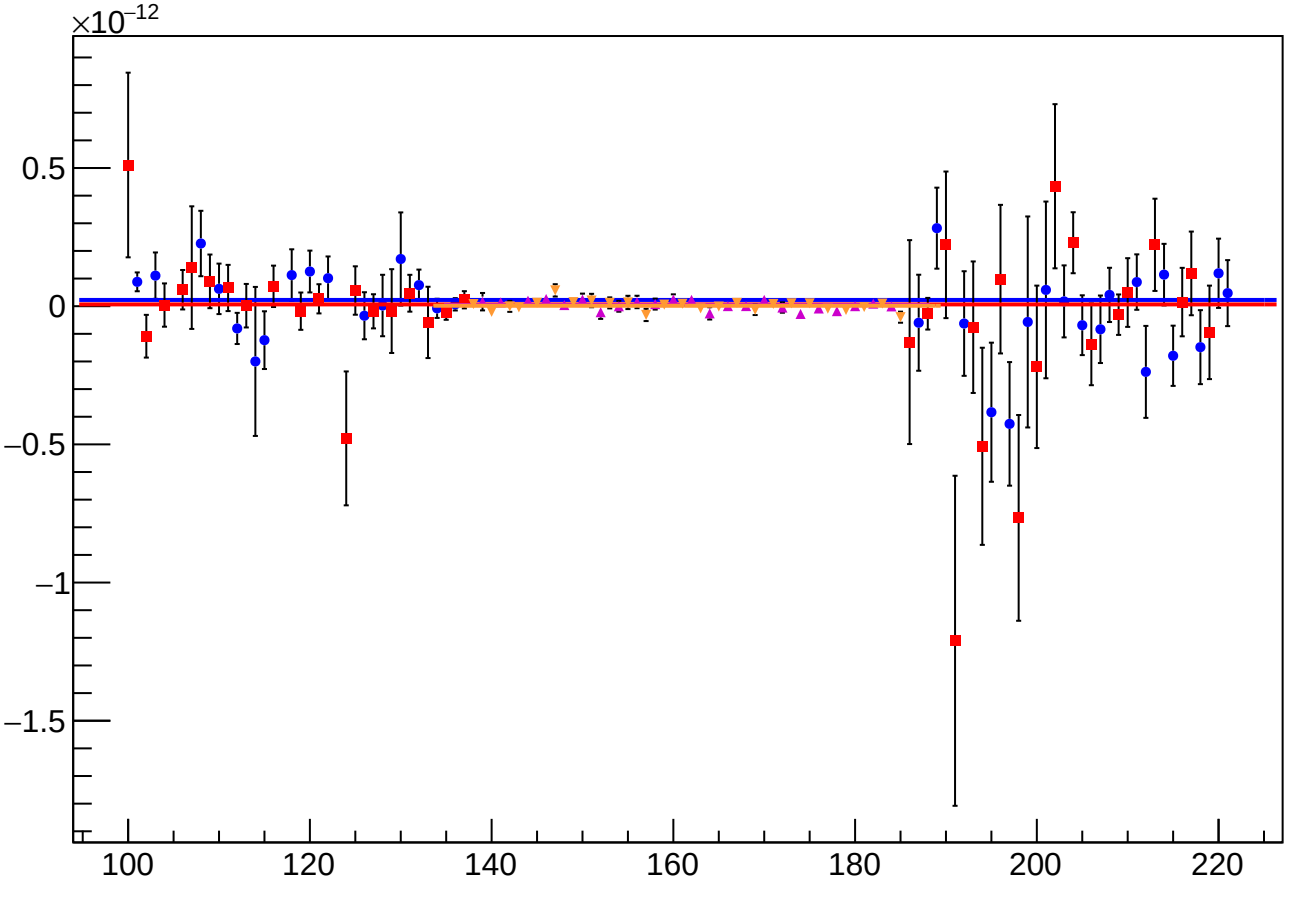
Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.229+/-0.005 χ^2/NDF: 5223414.4/58

All: 44.323+/-0.004 χ^2/NDF: 9828207.0/118

- sign 44.422+/-0.005 χ^2/NDF: 4604098.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

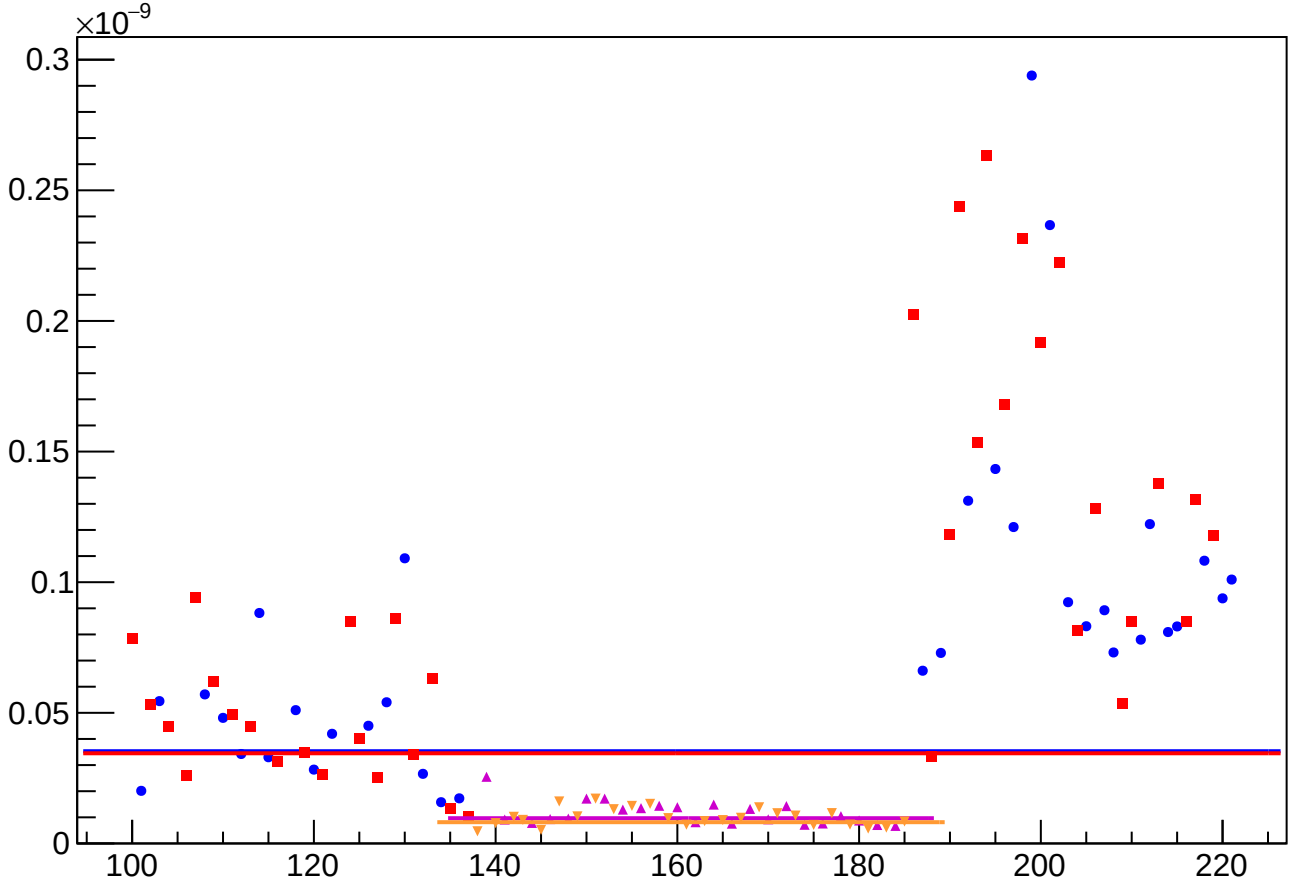
Right Out: 0.000+/-0.000 χ^2/NDF: 36.8/36

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.8/58

All: 0.000+/-0.000 χ^2/NDF: 137.3/118

- sign 0.000+/-0.000 χ^2/NDF: 64.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 11033533.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12193763.7/36

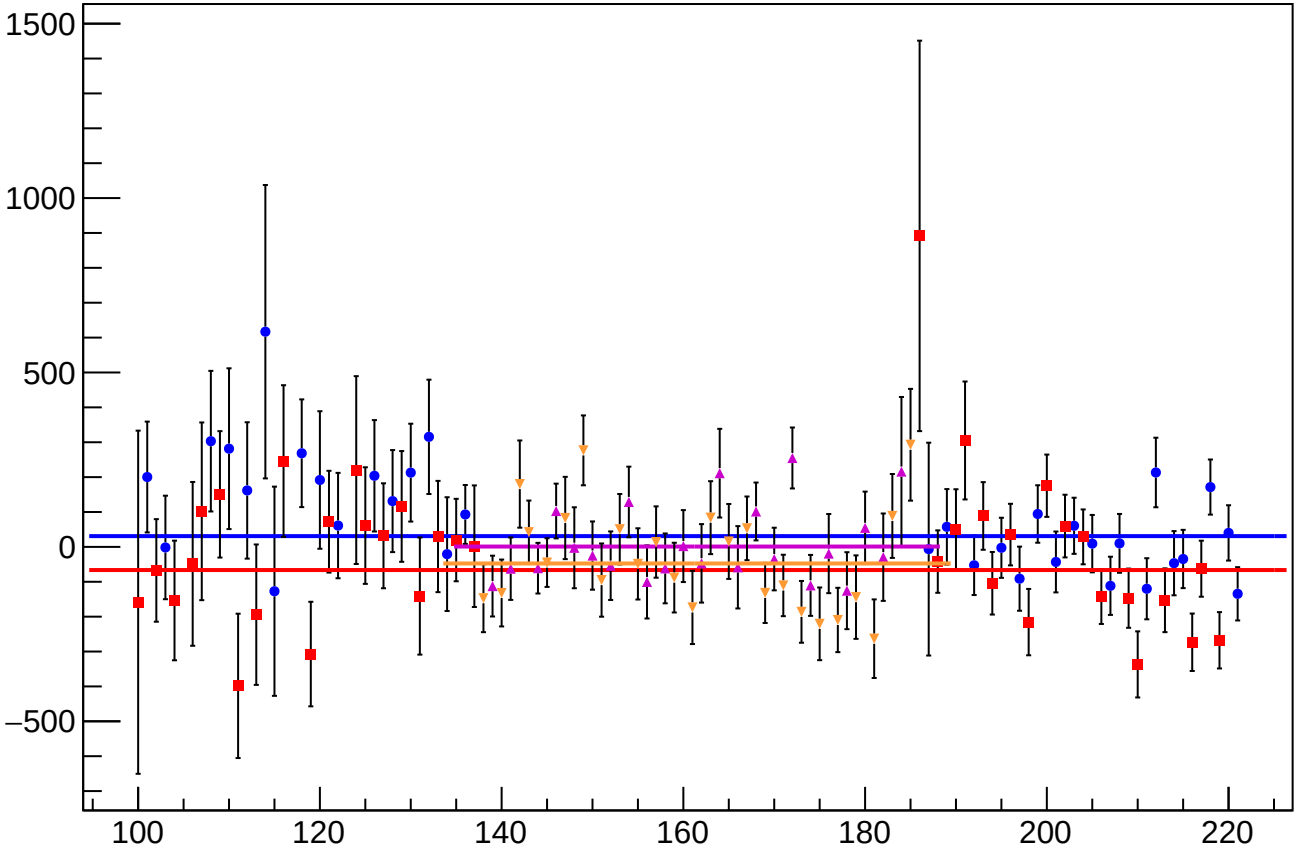
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22497258.9/58

All: 0.000+/-0.000 χ^2/NDF: 43983190.4/118

- sign 0.000+/-0.000 χ^2/NDF: 21116206.8/59

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 30.891+/-18.349 χ^2/NDF: 39.9/33

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -66.373+/-19.145 χ^2/NDF: 65.0/36

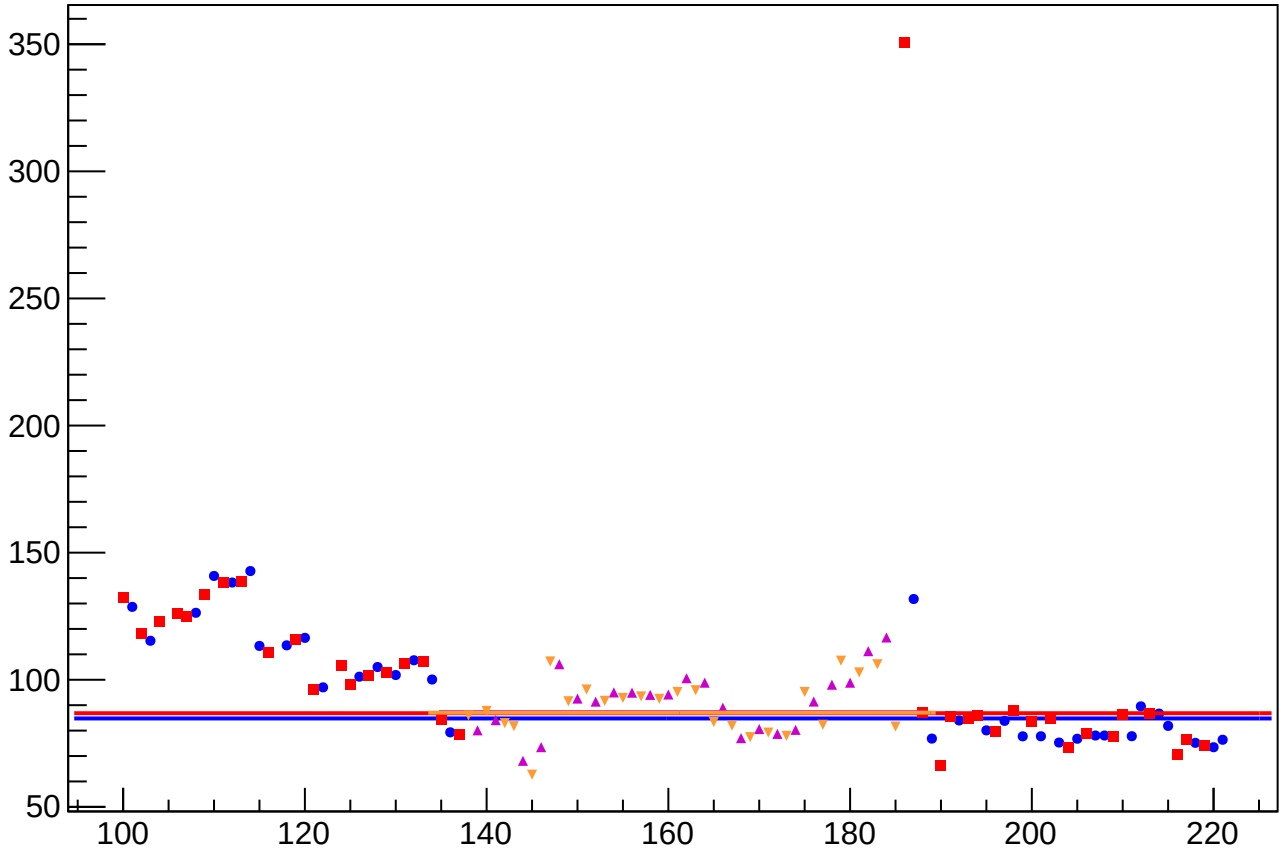
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -4.979+/-13.515 χ^2/NDF: 92.2/58

All: -19.512+/-9.732 χ^2/NDF: 190.8/118

- sign -35.162+/-14.025 χ^2/NDF: 96.2/59

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 84.780+/-0.013 χ^2/NDF: 1214123.0/33

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

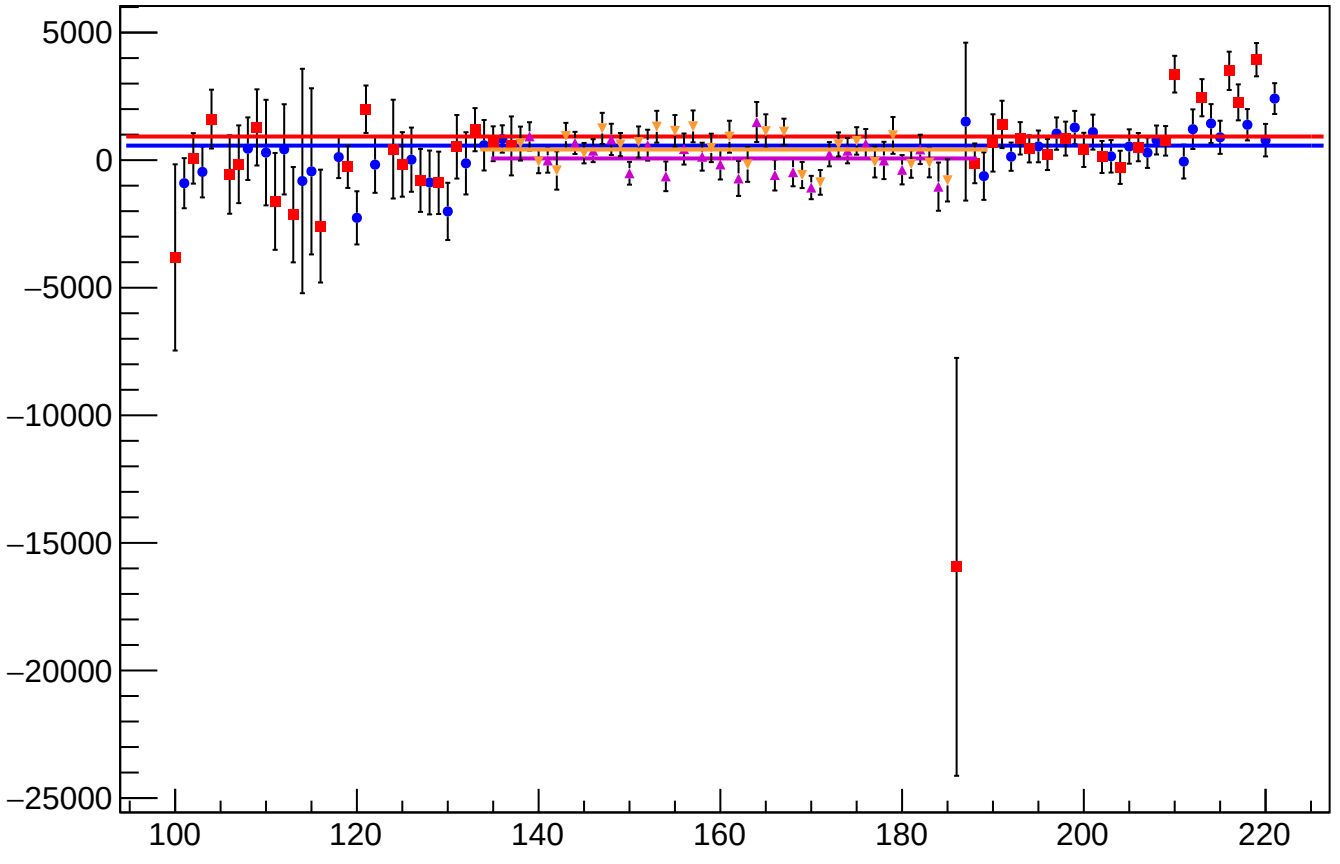
Right Out: 86.836+/-0.014 χ^2/NDF: 1709950.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 85.829+/-0.010 χ^2/NDF: 1849017.8/58

All: 86.408+/-0.007 χ^2/NDF: 4162831.1/118

- sign 87.031+/-0.010 χ^2/NDF: 2306190.3/59



Right In: 569.510+/-135.545 χ^2/NDF: 38.9/33

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 925.851+/-139.154 χ^2/NDF: 87.6/36

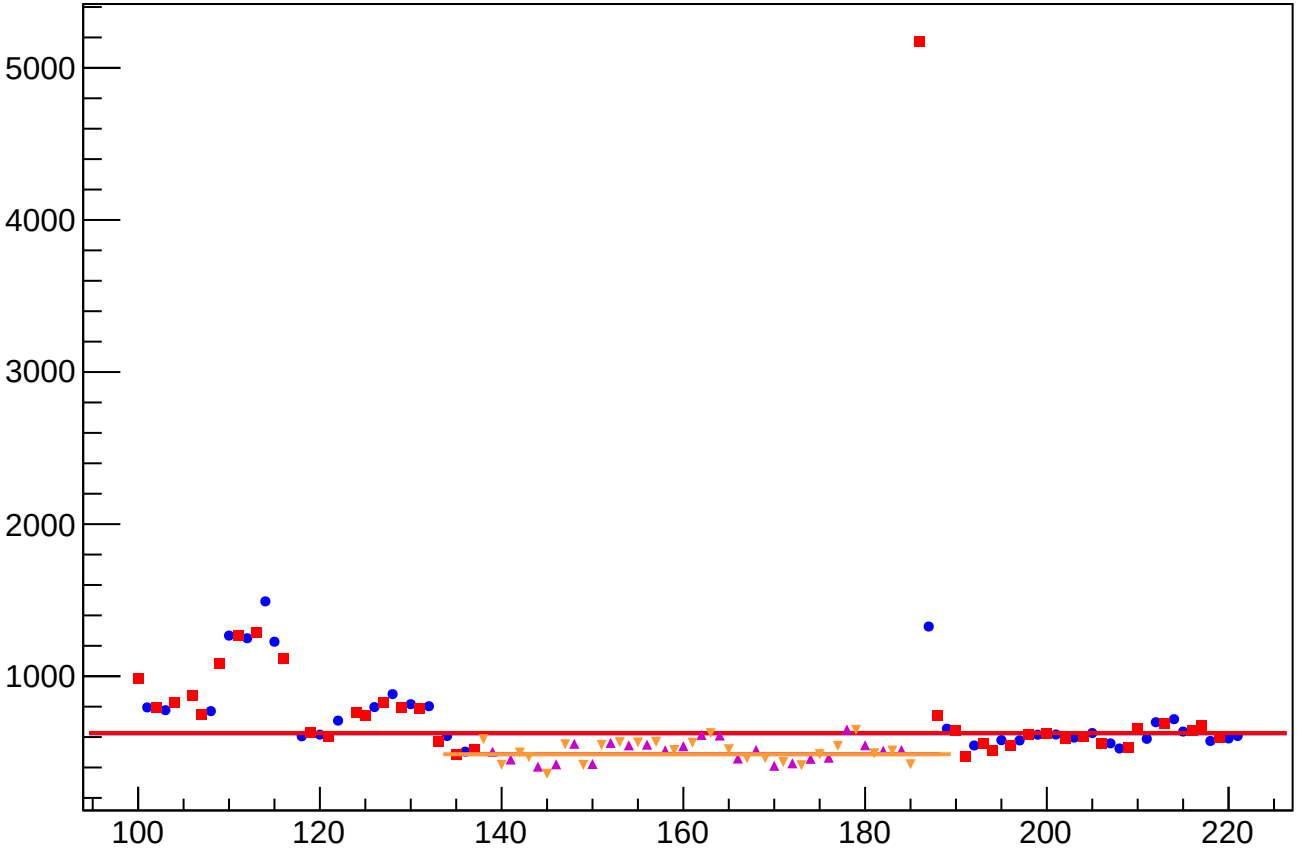
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 478.758+/-86.493 χ^2/NDF: 72.1/58

All: 448.631+/-61.972 χ^2/NDF: 210.1/118

- sign 416.848+/-88.838 χ^2/NDF: 137.7/59

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 624.544+/-0.096 χ^2/NDF: 1396203.4/33

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 626.599+/-0.098 χ^2/NDF: 2237492.4/36

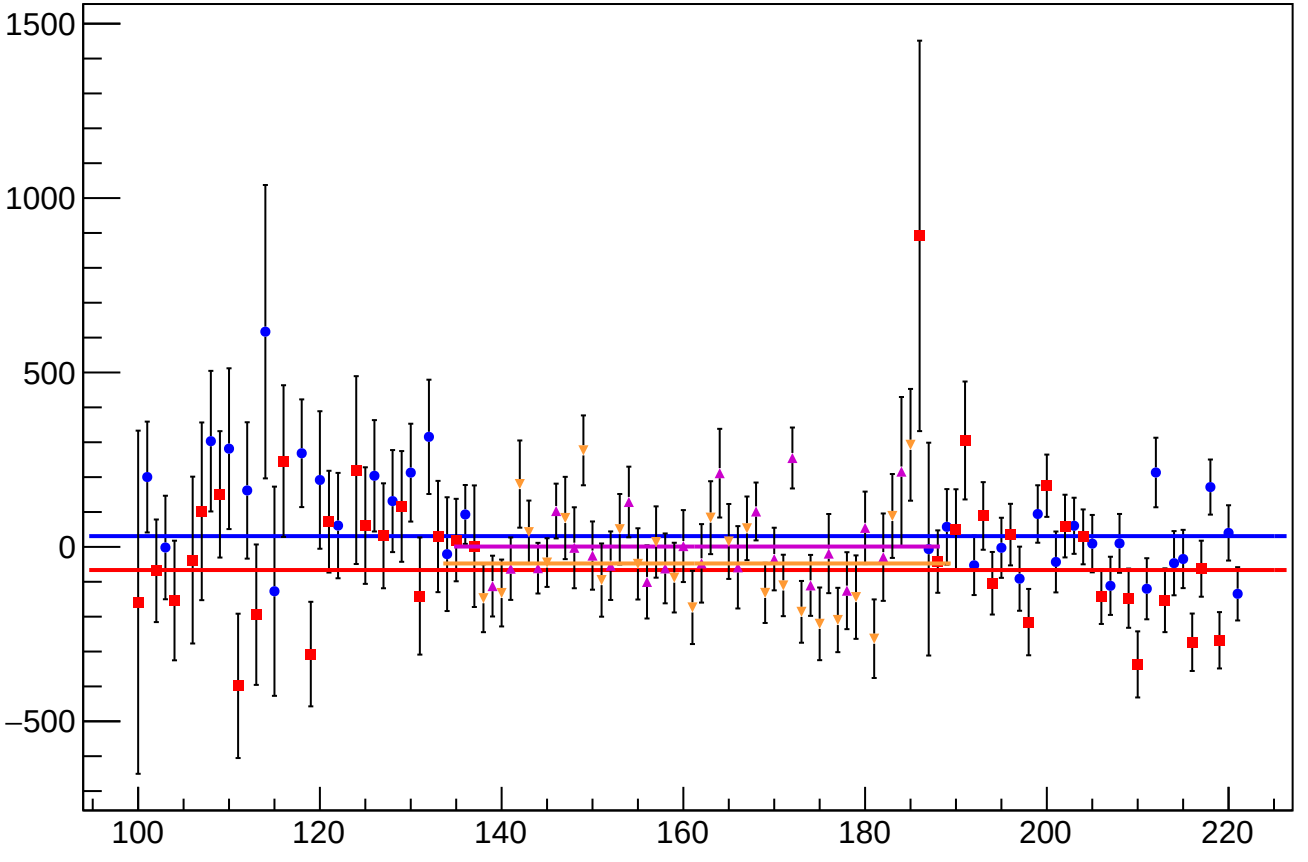
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 543.054+/-0.061 χ^2/NDF: 3436899.7/58

All: 543.732+/-0.044 χ^2/NDF: 7485515.8/118

- sign 544.447+/-0.063 χ^2/NDF: 4048363.5/59

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 30.886+/-18.349 χ^2/NDF: 39.9/33

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -66.325+/-19.148 χ^2/NDF: 65.0/36

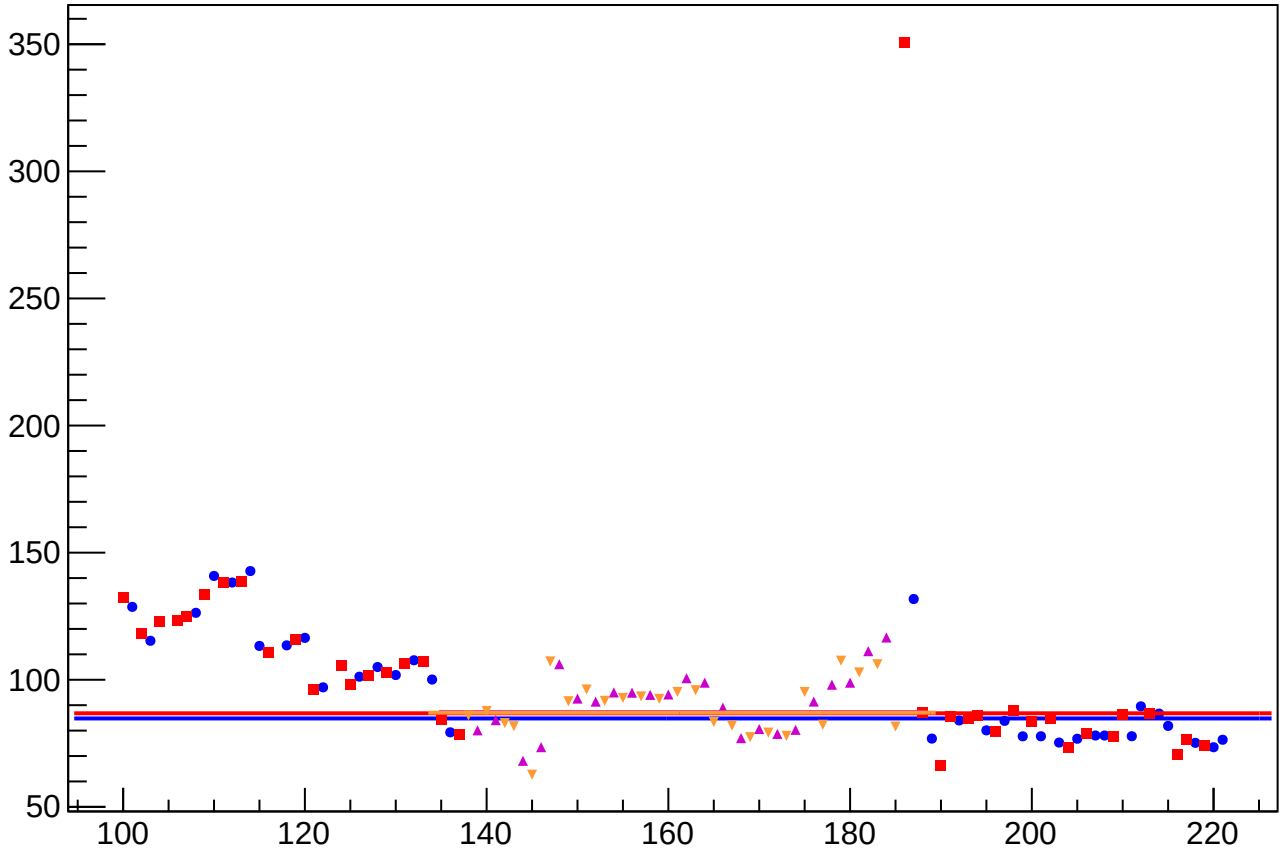
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.986+/-13.515 χ^2/NDF: 92.2/58

All: -19.500+/-9.732 χ^2/NDF: 190.8/118

- sign -35.131+/-14.026 χ^2/NDF: 96.2/59

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 84.780+/-0.013 χ^2/NDF: 1214123.4/33

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

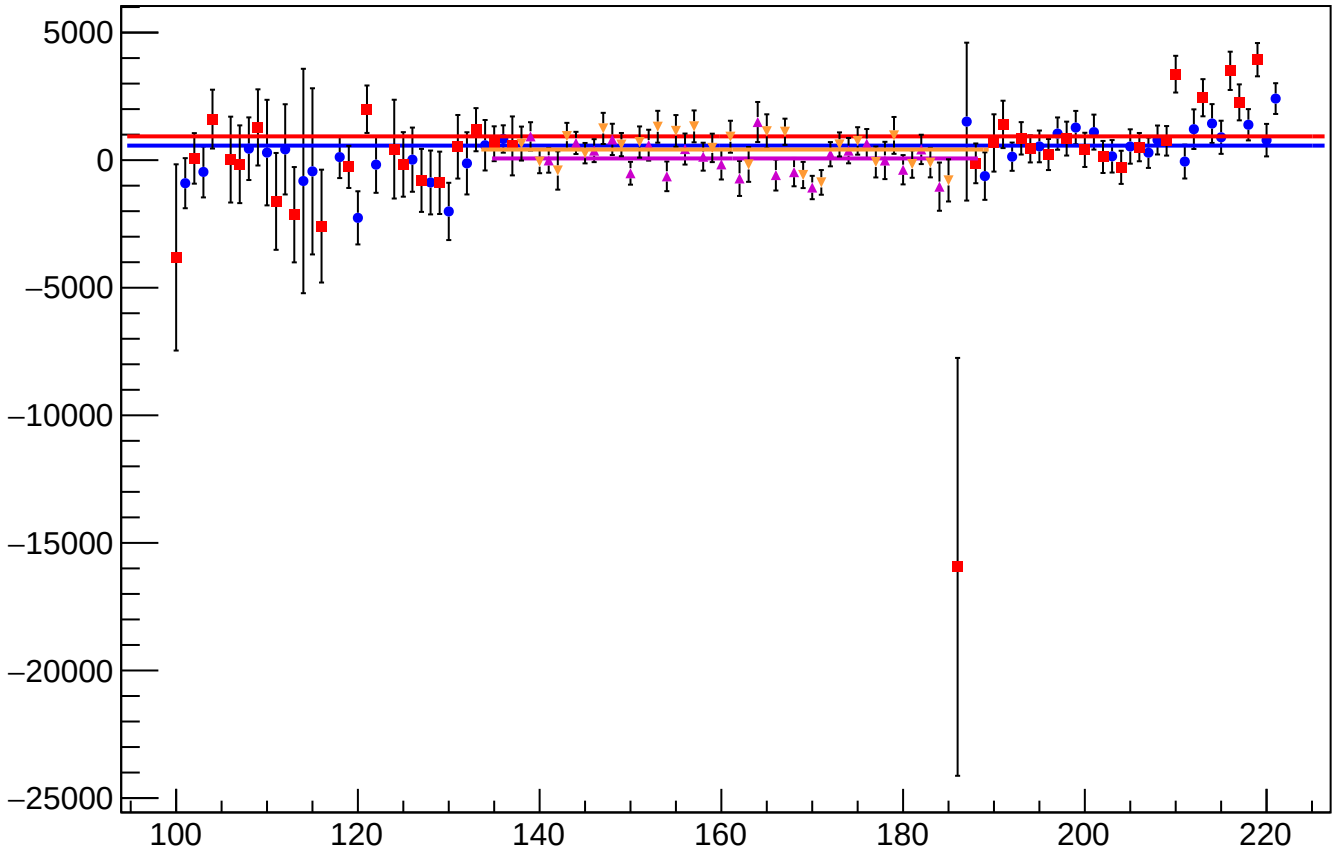
Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 85.829+/-0.010 χ^2/NDF: 1849018.2/58

All: 86.400+/-0.007 χ^2/NDF: 4153348.6/118

- sign 87.016+/-0.010 χ^2/NDF: 2296892.3/59



Right In: 569.507+/-135.545 χ^2/NDF: 38.9/33

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 931.885+/-139.250 χ^2/NDF: 87.0/36

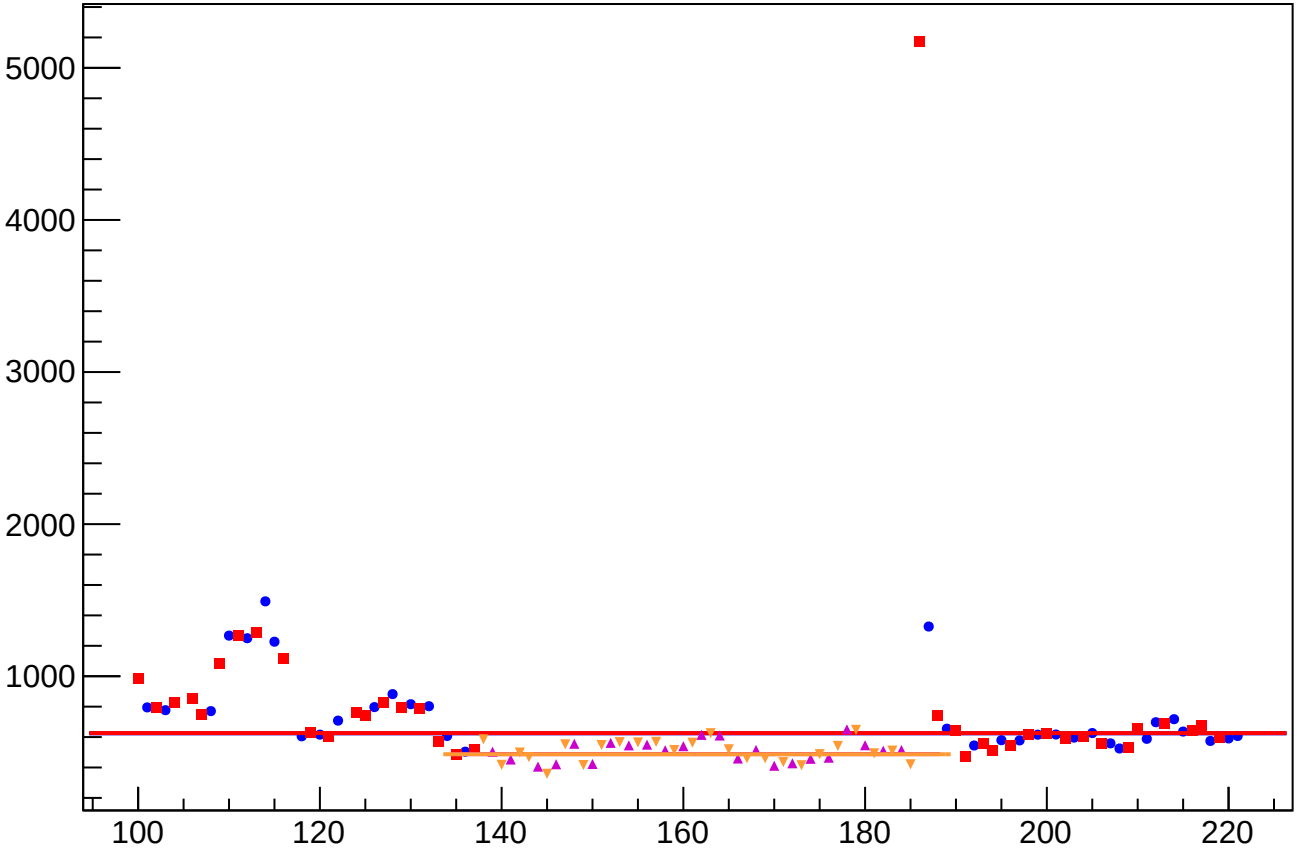
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 478.753+/-86.493 χ^2/NDF: 72.1/58

All: 449.692+/-61.980 χ^2/NDF: 209.7/118

\- sign 419.018+/-88.863 χ^2/NDF: 137.4/59

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 624.544+/-0.096 χ^2/NDF: 1396215.1/33

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

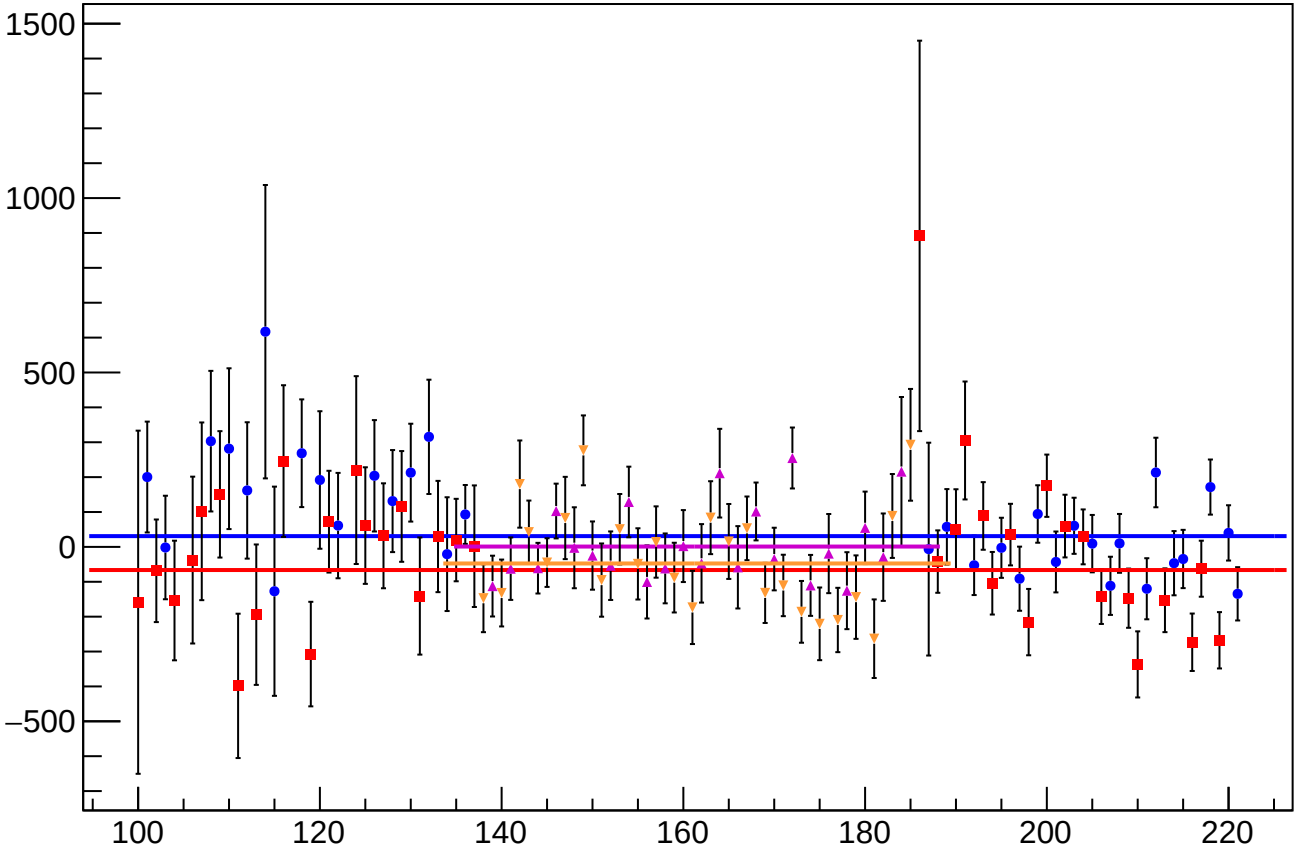
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 543.054+/-0.061 χ^2/NDF: 3436905.0/58

All: 543.616+/-0.044 χ^2/NDF: 7461348.8/118

- sign 544.209+/-0.063 χ^2/NDF: 4024270.1/59

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 30.886+/-18.349 χ^2/NDF: 39.9/33

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -66.325+/-19.148 χ^2/NDF: 65.0/36

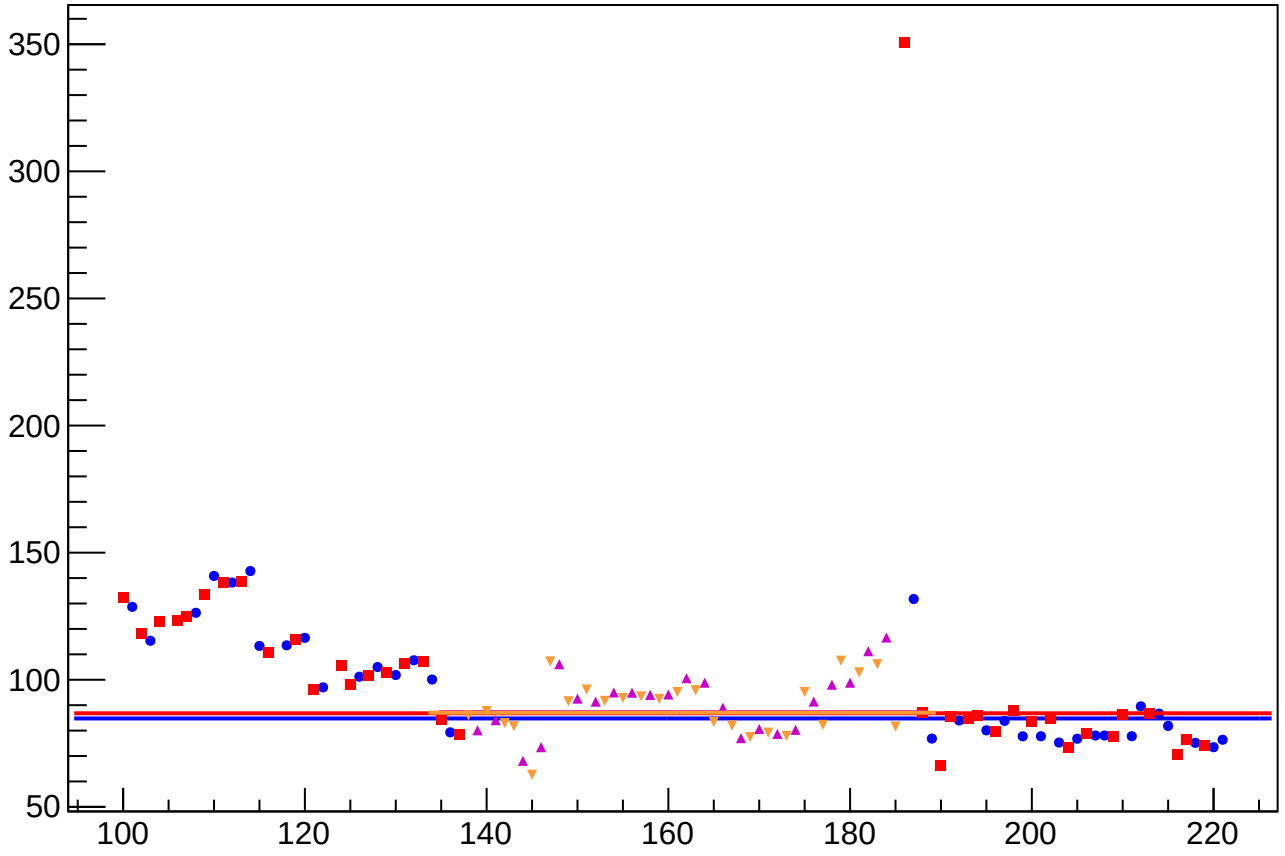
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.986+/-13.515 χ^2/NDF: 92.2/58

All: -19.500+/-9.732 χ^2/NDF: 190.8/118

- sign -35.131+/-14.026 χ^2/NDF: 96.2/59

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 84.780+/-0.013 χ^2/NDF: 1214123.4/33

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

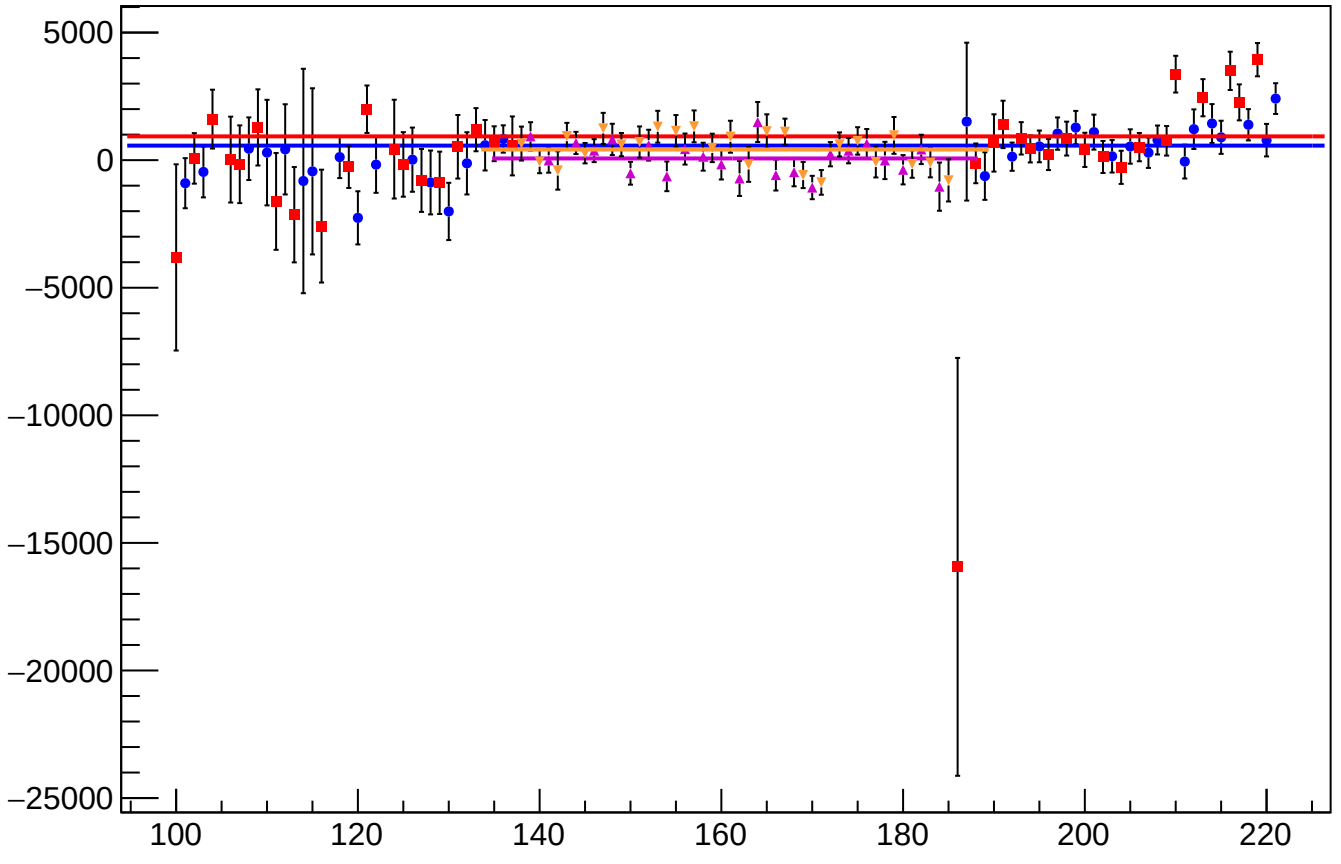
Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 85.829+/-0.010 χ^2/NDF: 1849018.2/58

All: 86.400+/-0.007 χ^2/NDF: 4153348.6/118

- sign 87.016+/-0.010 χ^2/NDF: 2296892.3/59



Right In: 569.507+/-135.545 χ^2/NDF: 38.9/33

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

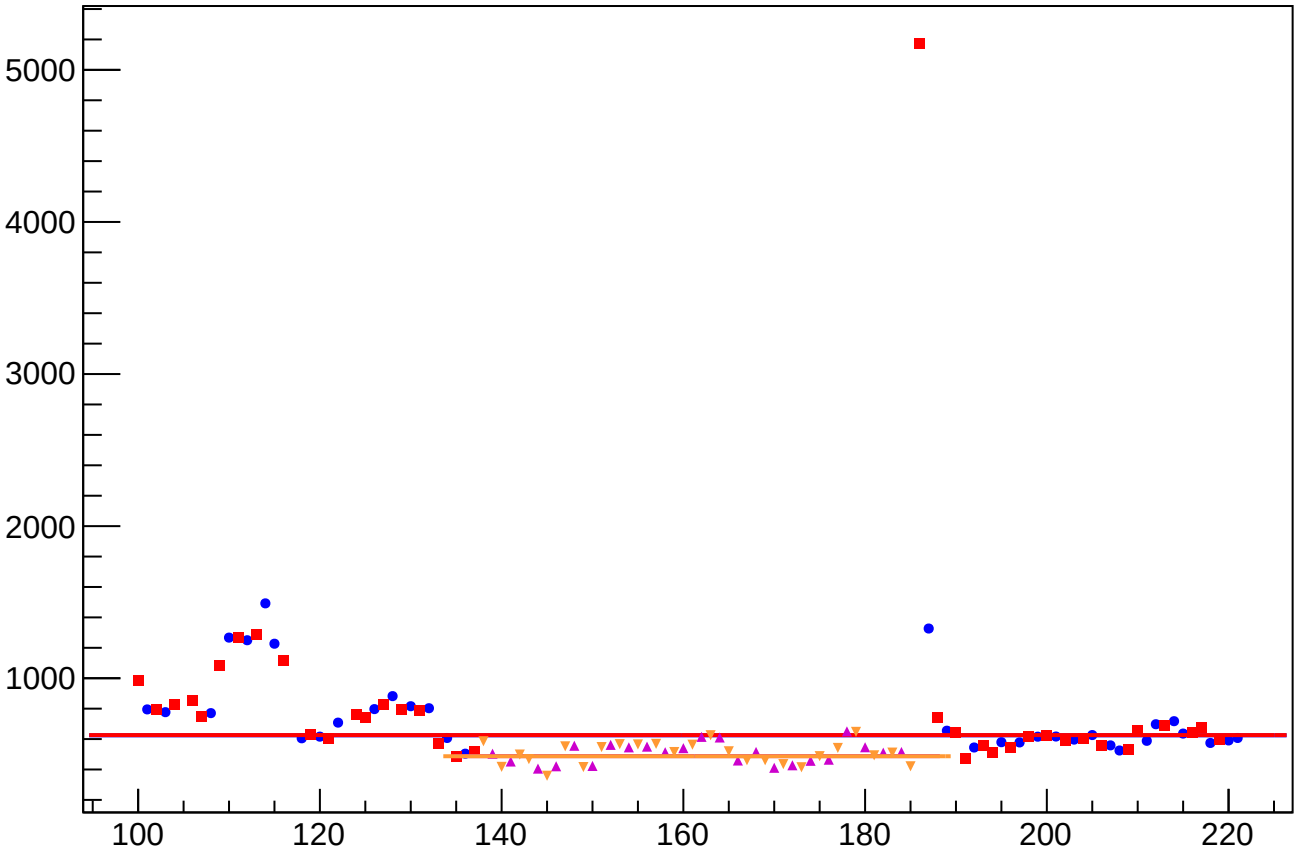
Right Out: 931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 478.753+/-86.493 χ^2/NDF: 72.1/58

All: 449.692+/-61.980 χ^2/NDF: 209.7/118

- sign 419.018+/-88.863 χ^2/NDF: 137.4/59



Right In: 624.544+/-0.096 χ^2/NDF: 1396215.1/33

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

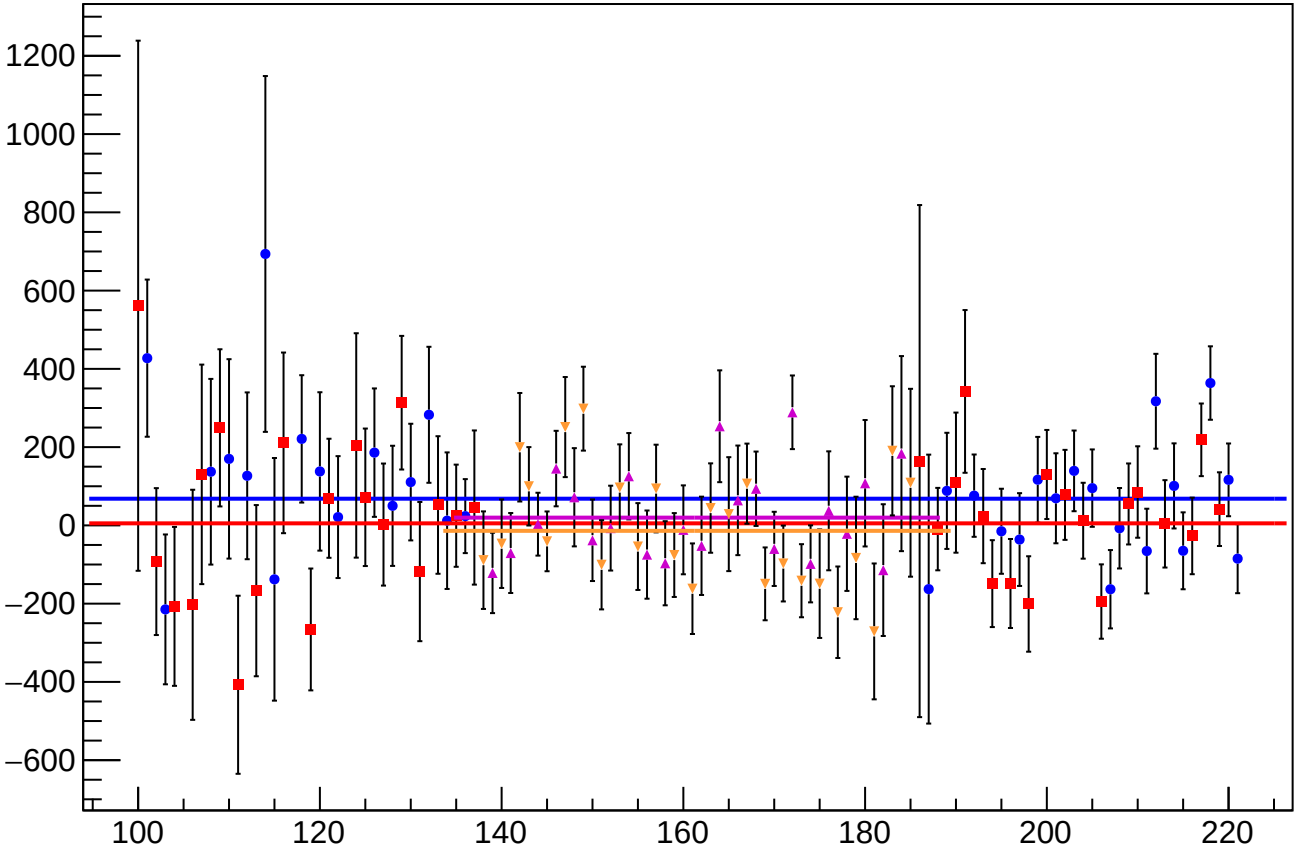
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 543.054+/-0.061 χ^2/NDF: 3436905.0/58

All: 543.616+/-0.044 χ^2/NDF: 7461348.8/118

- sign 544.209+/-0.063 χ^2/NDF: 4024270.1/59

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 68.196+/-21.940 χ^2/NDF: 40.9/33

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 5.223+/-22.899 χ^2/NDF: 38.6/36

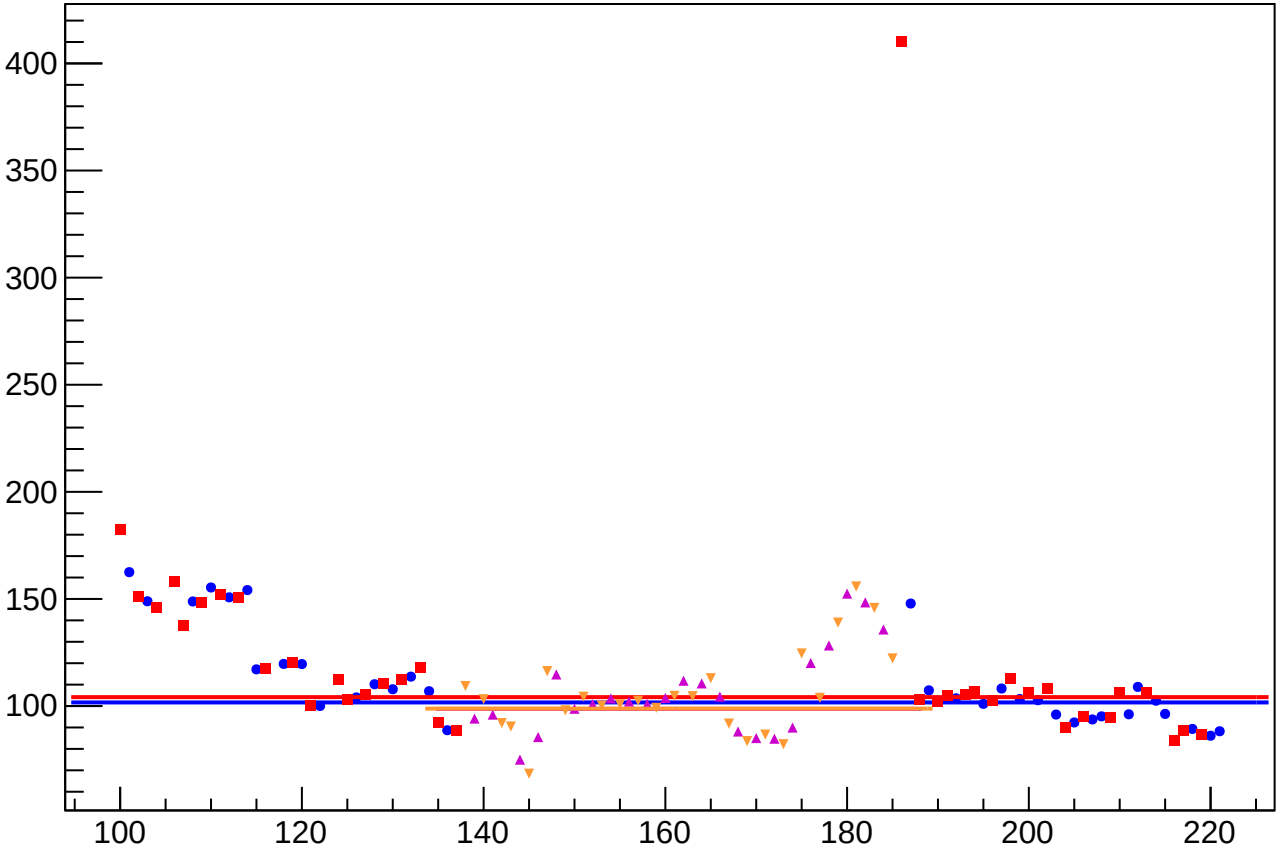
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 28.932+/-15.848 χ^2/NDF: 84.0/58

All: 20.915+/-11.405 χ^2/NDF: 146.6/118

- sign 12.303+/-16.425 χ^2/NDF: 62.1/59

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 101.688+/-0.016 χ^2/NDF: 955915.4/33

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 104.166+/-0.016 χ^2/NDF: 1430031.0/36

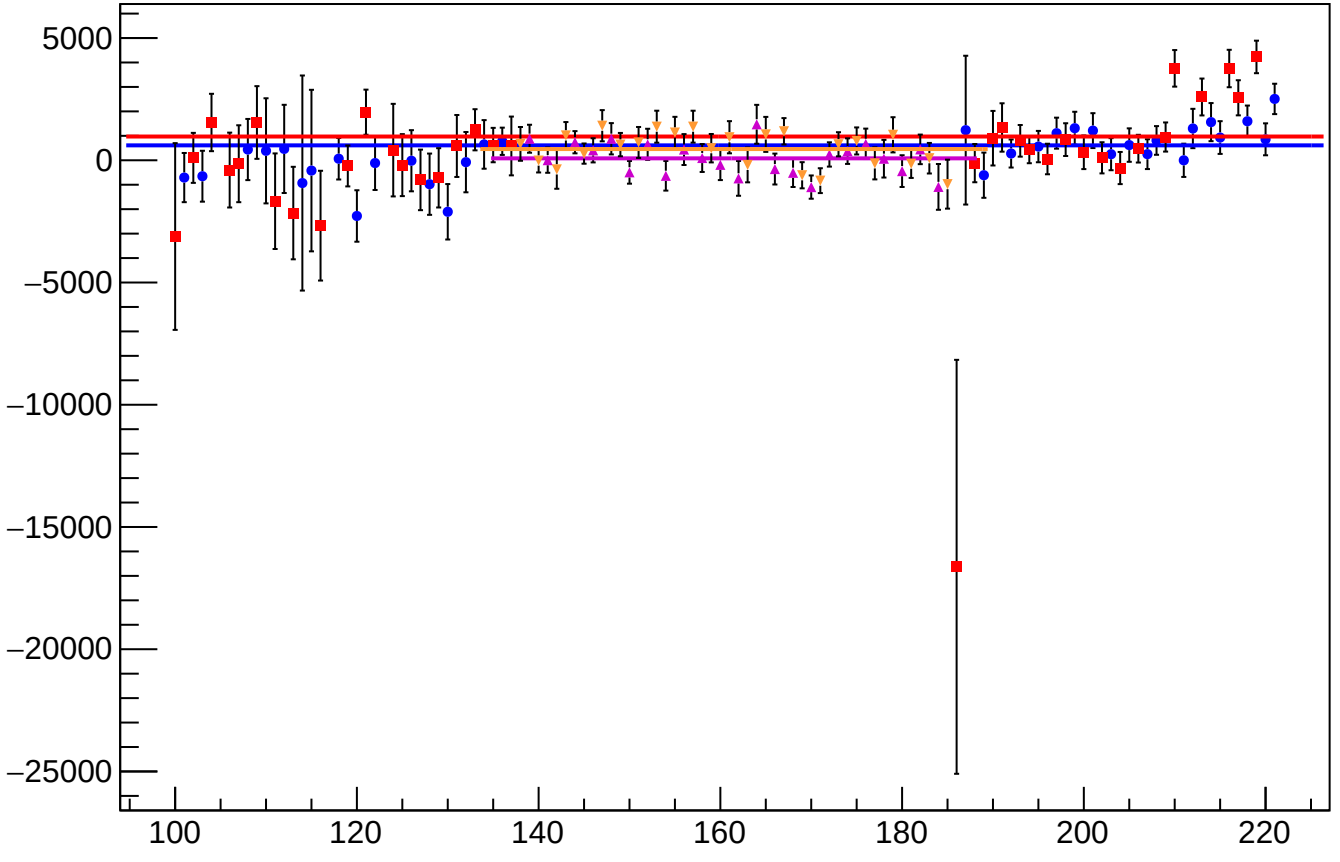
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 100.306+/-0.011 χ^2/NDF: 2158306.8/58

All: 100.881+/-0.008 χ^2/NDF: 4637500.1/118

- sign 101.499+/-0.012 χ^2/NDF: 2473730.5/59

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 610.364+/-139.099 χ^2/NDF: 40.3/33

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 971.672+/-141.953 χ^2/NDF: 97.0/36

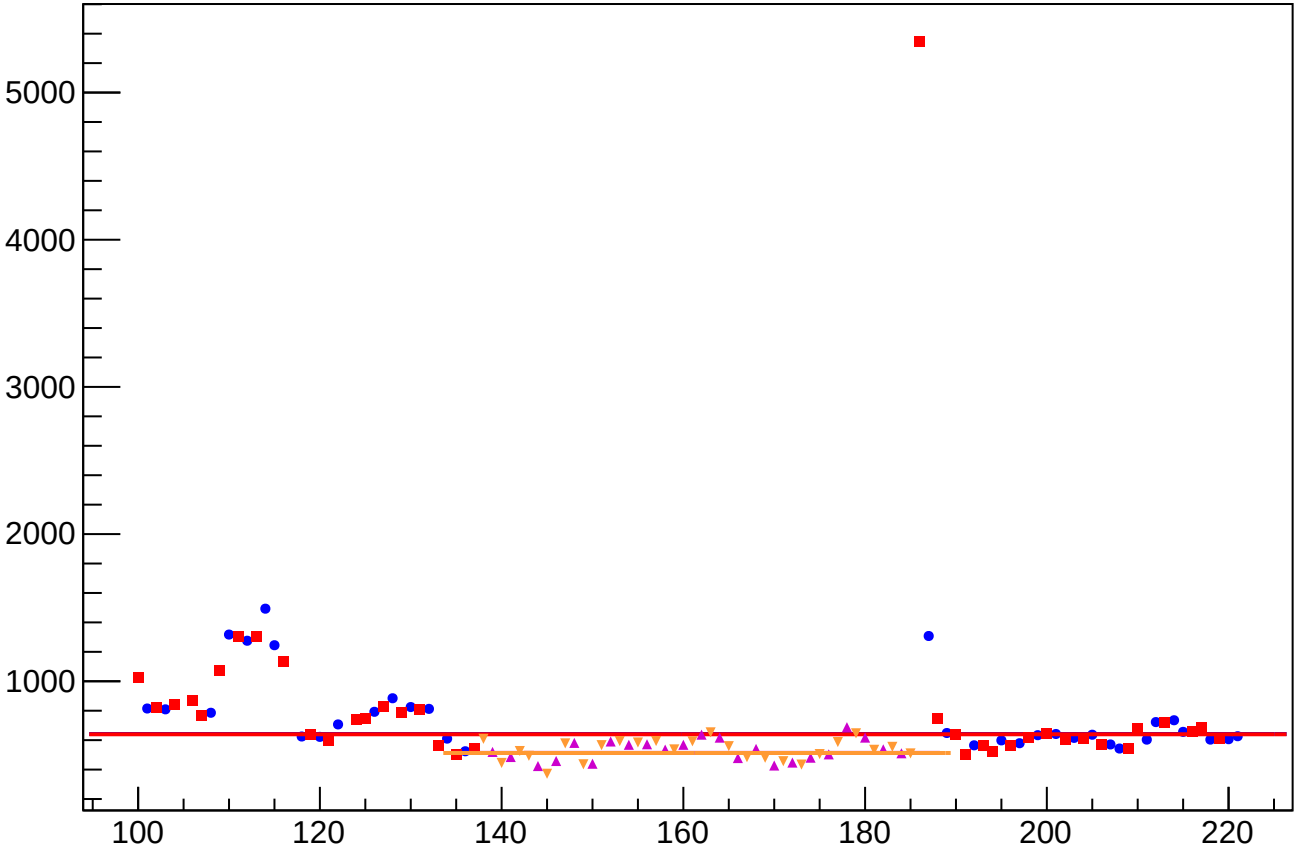
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 522.467+/-90.033 χ^2/NDF: 71.7/58

All: 490.102+/-64.442 χ^2/NDF: 218.1/118

- sign 456.102+/-92.278 χ^2/NDF: 146.1/59

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 641.738+/-0.098 χ^2/NDF: 1335474.2/33

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 639.929+/-0.100 χ^2/NDF: 2170663.7/36

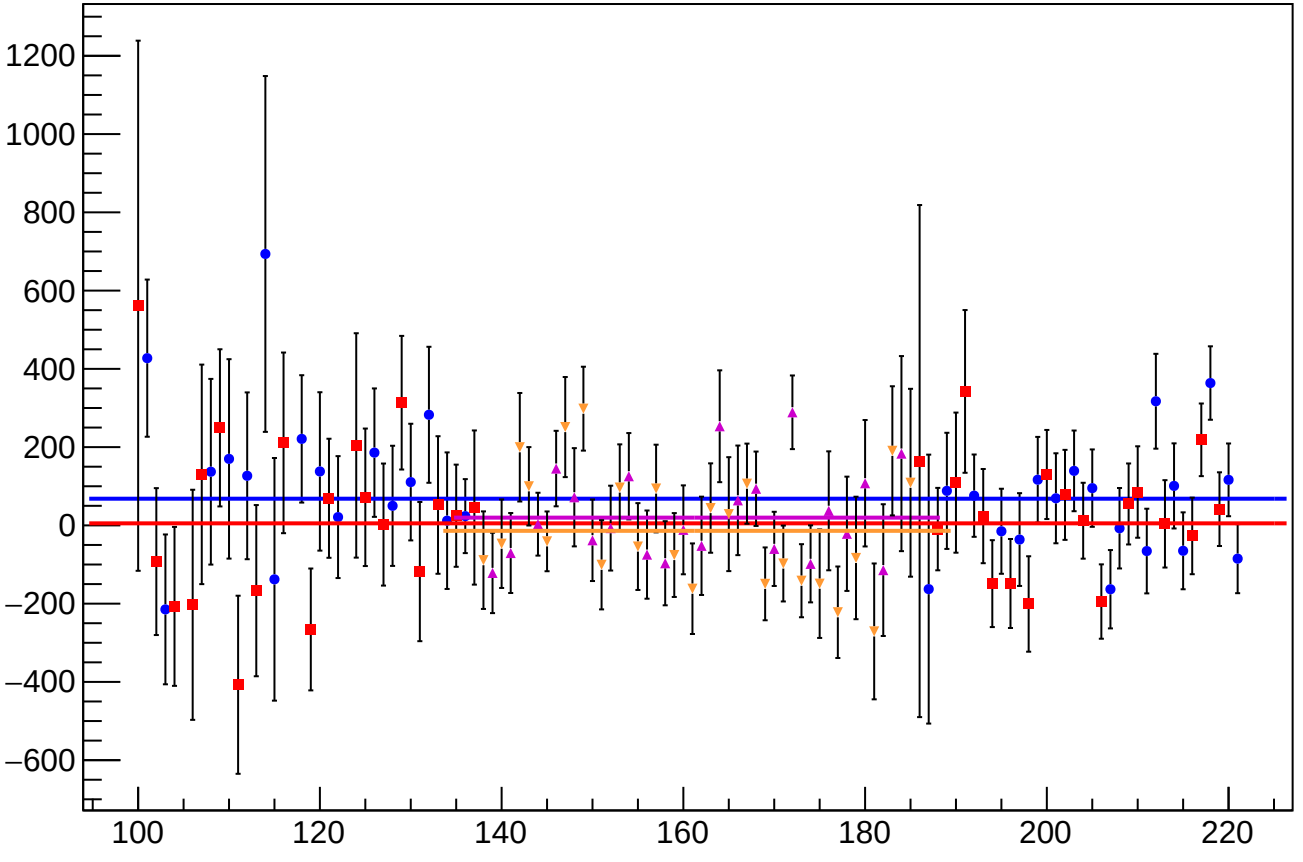
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 566.799+/-0.064 χ^2/NDF: 3133730.1/58

All: 566.826+/-0.046 χ^2/NDF: 6856289.9/118

- sign 566.854+/-0.065 χ^2/NDF: 3722559.5/59

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 68.195+/-21.940 χ^2/NDF: 40.9/33

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 5.220+/-22.899 χ^2/NDF: 38.6/36

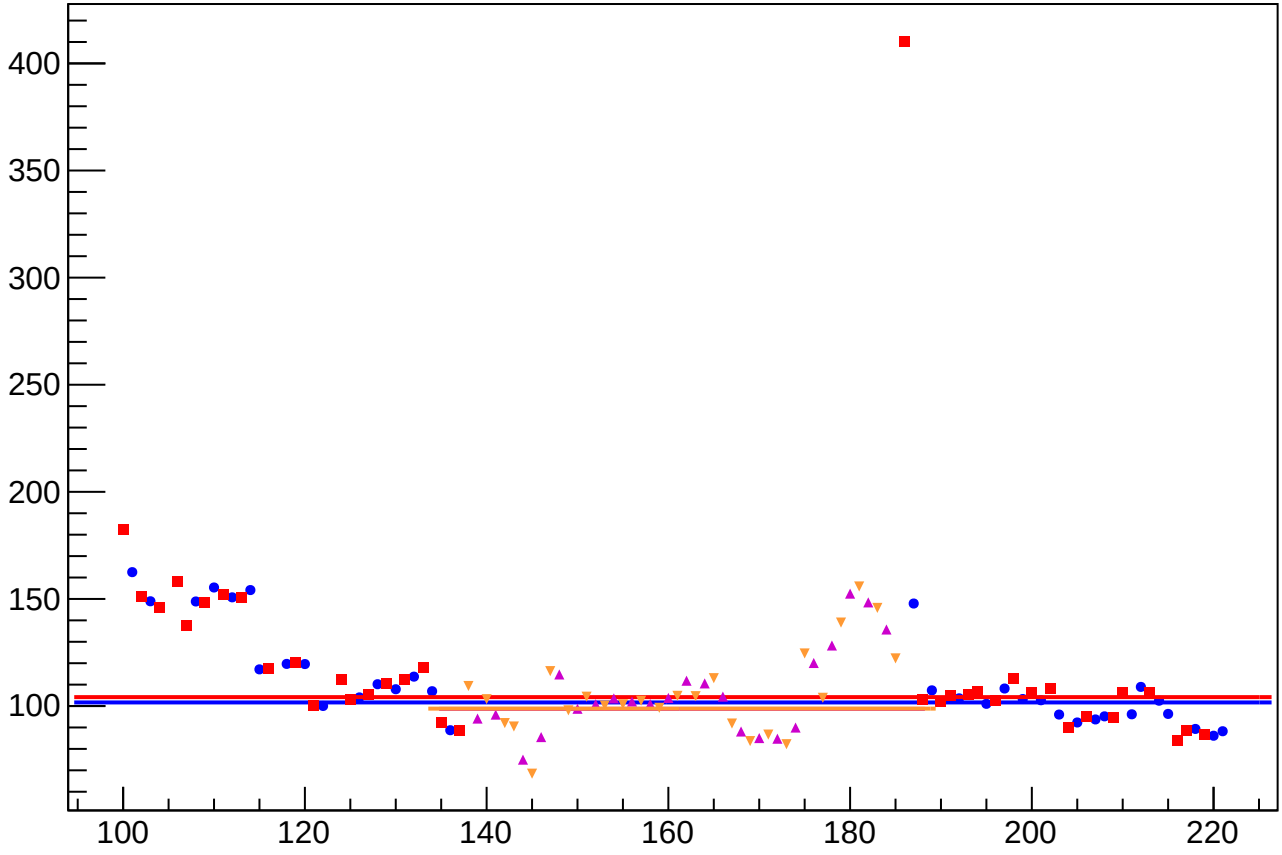
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 28.931+/-15.848 χ^2/NDF: 84.0/58

All: 20.914+/-11.405 χ^2/NDF: 146.6/118

- sign 12.302+/-16.425 χ^2/NDF: 62.1/59

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 101.688+/-0.016 χ^2/NDF: 955911.2/33

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

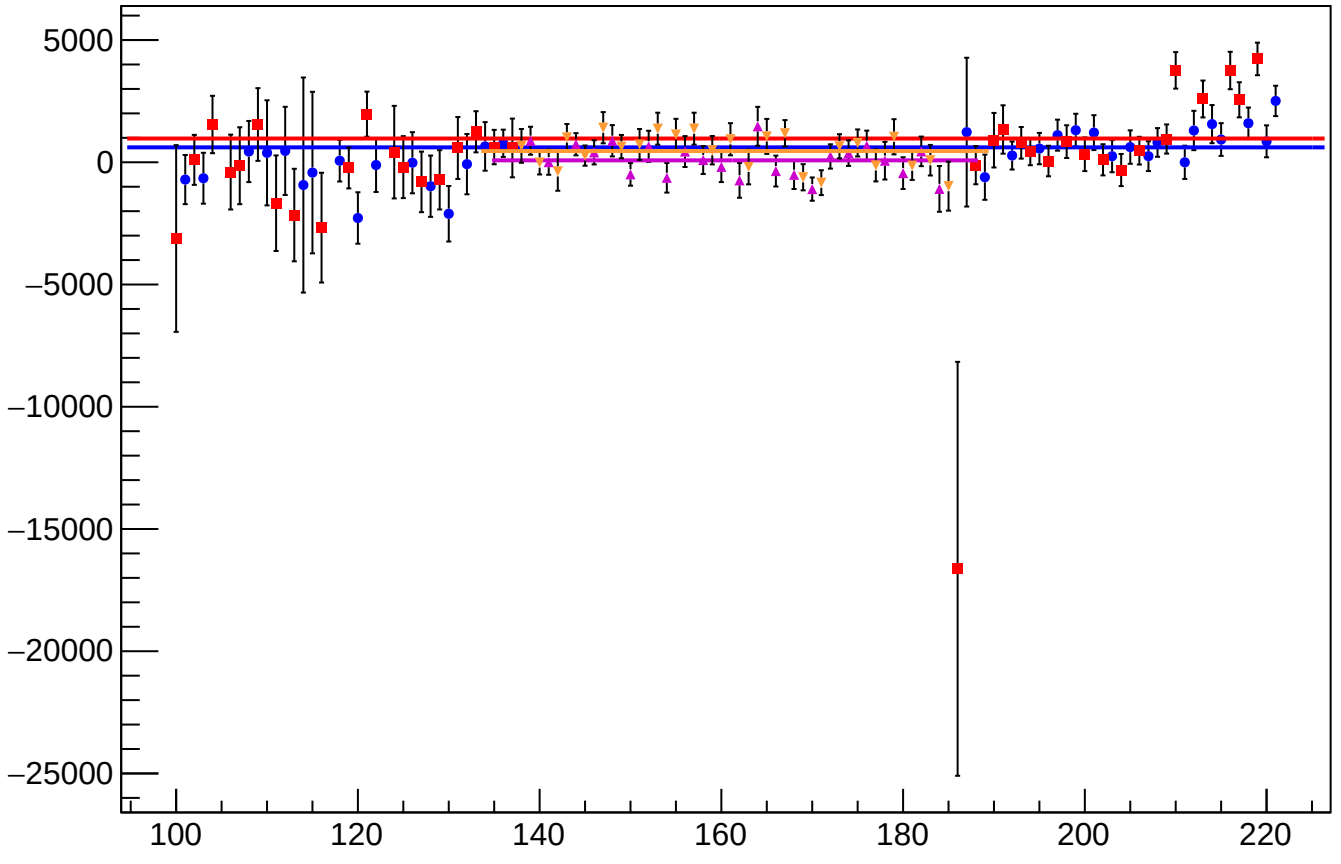
Right Out: 104.166+/-0.016 χ^2/NDF: 1430026.2/36

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 100.306+/-0.011 χ^2/NDF: 2158307.2/58

All: 100.881+/-0.008 χ^2/NDF: 4637487.9/118

- sign 101.499+/-0.012 χ^2/NDF: 2473717.7/59



Right In: 610.364+/-139.099 χ^2/NDF: 40.3/33

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

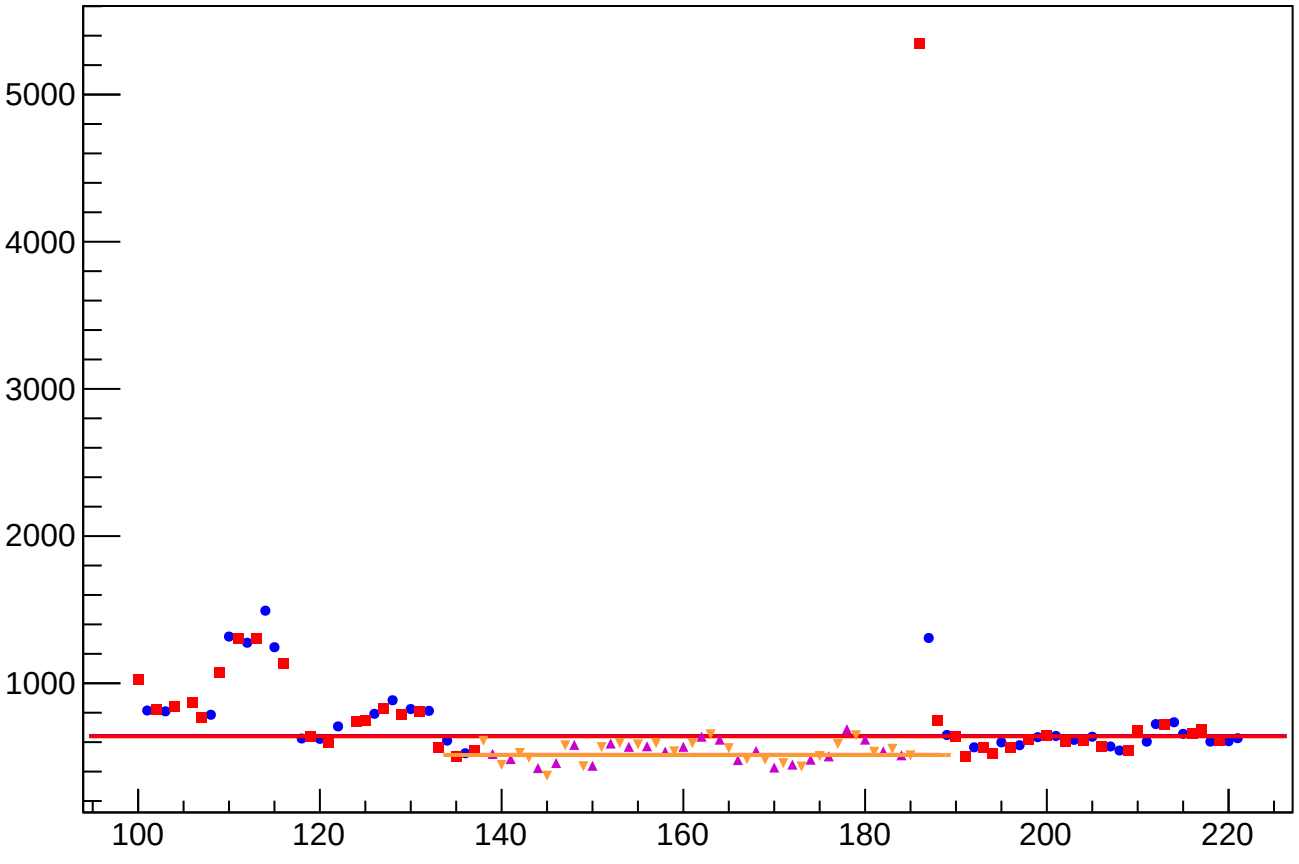
Right Out: 971.670+/-141.952 χ^2/NDF: 97.0/36

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 522.466+/-90.033 χ^2/NDF: 71.7/58

All: 490.101+/-64.442 χ^2/NDF: 218.1/118

- sign 456.102+/-92.277 χ^2/NDF: 146.1/59



Right In: 641.737+/-0.098 χ^2/NDF: 1335470.9/33

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 639.928+/-0.100 χ^2/NDF: 2170661.0/36

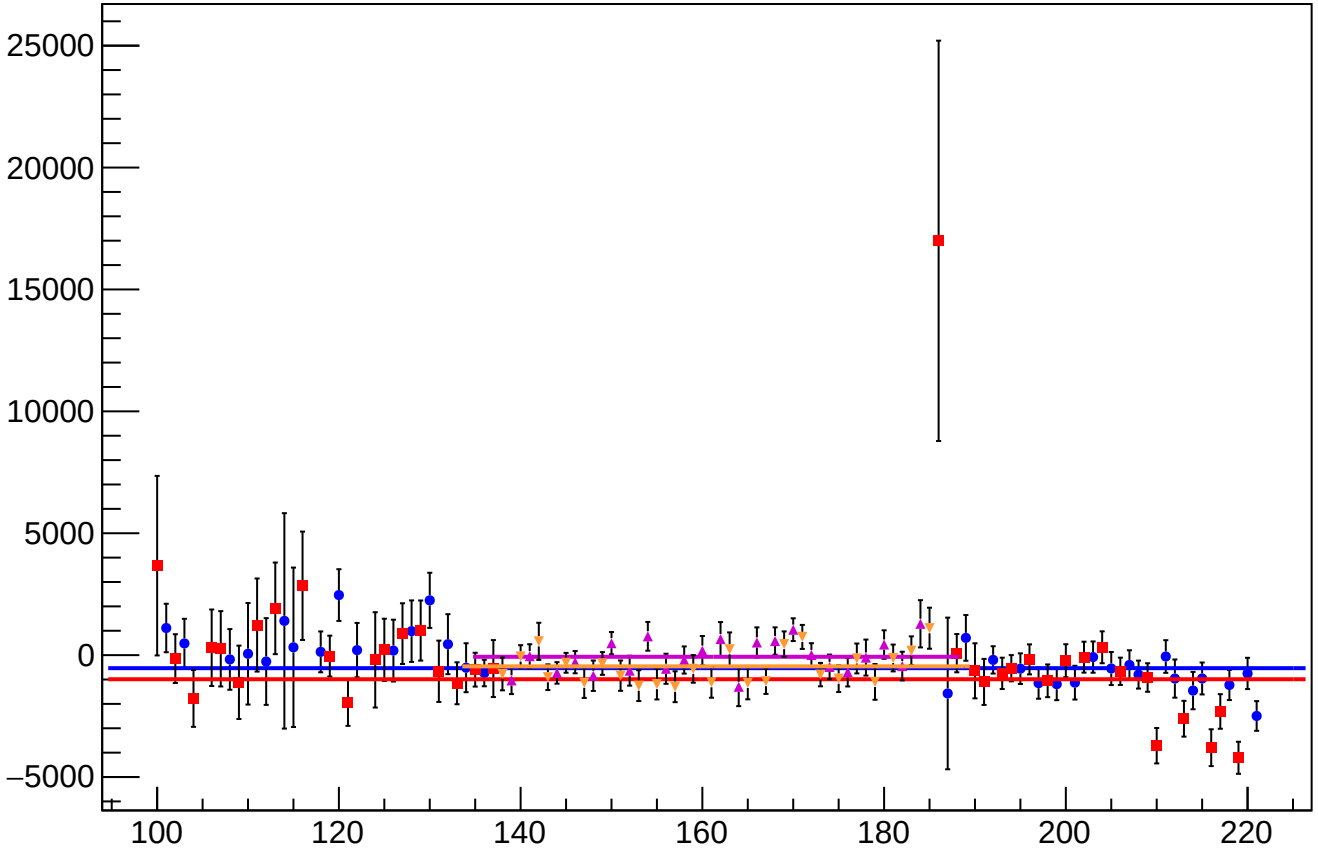
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 566.799+/-0.064 χ^2/NDF: 3133718.1/58

All: 566.825+/-0.046 χ^2/NDF: 6856261.2/118

- sign 566.853+/-0.065 χ^2/NDF: 3722542.8/59

asym_sam_26_48_dd_mean vs Slug



Right In: -534.522+/-136.922 χ^2/NDF: 41.9/33

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -988.619+/-140.643 χ^2/NDF: 97.0/36

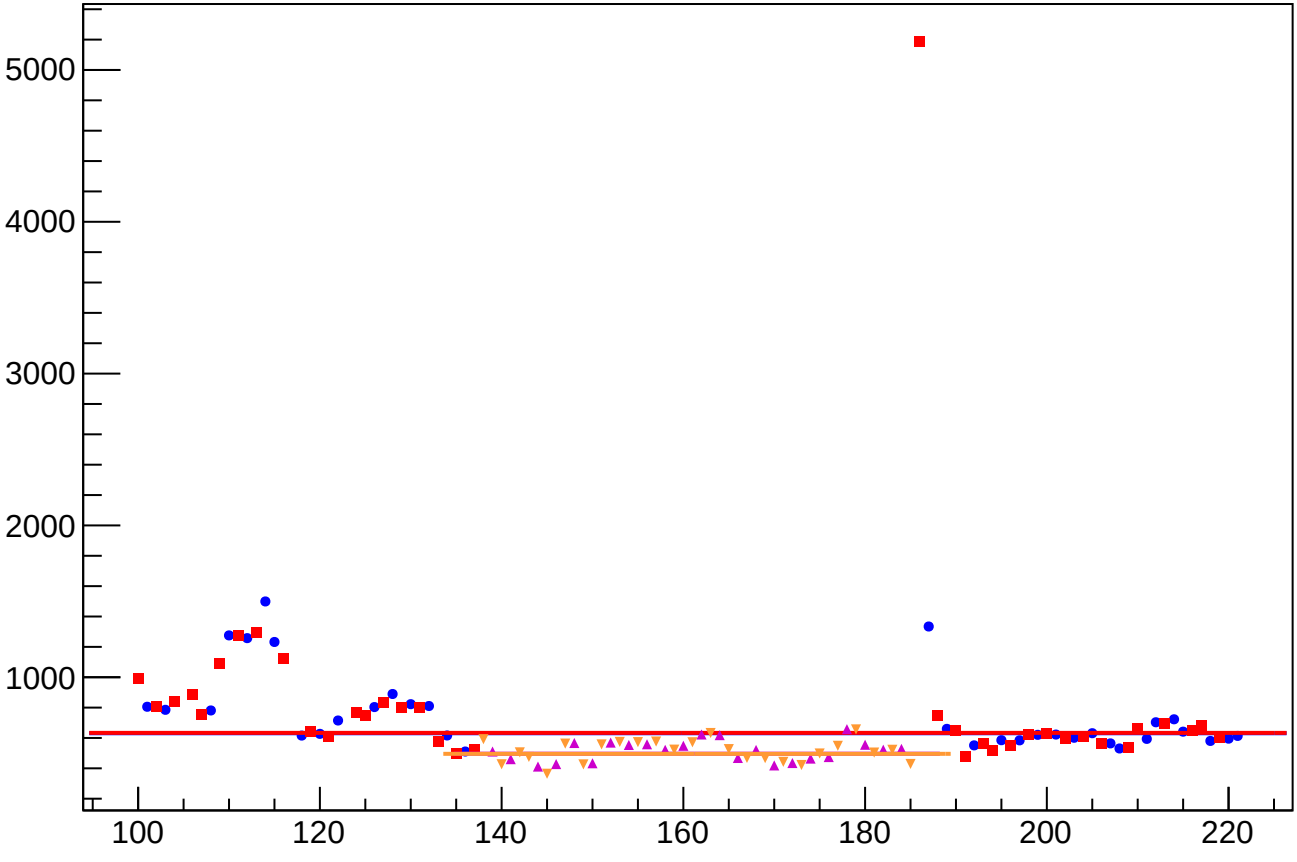
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -490.502+/-87.715 χ^2/NDF: 72.9/58

All: -468.827+/-62.854 χ^2/NDF: 223.9/118

- sign -445.950+/-90.111 χ^2/NDF: 150.8/59

asym_sam_26_48_dd_rms vs Slug



Right In: 631.047+/-0.097 χ^2/NDF: 1383896.8/33

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

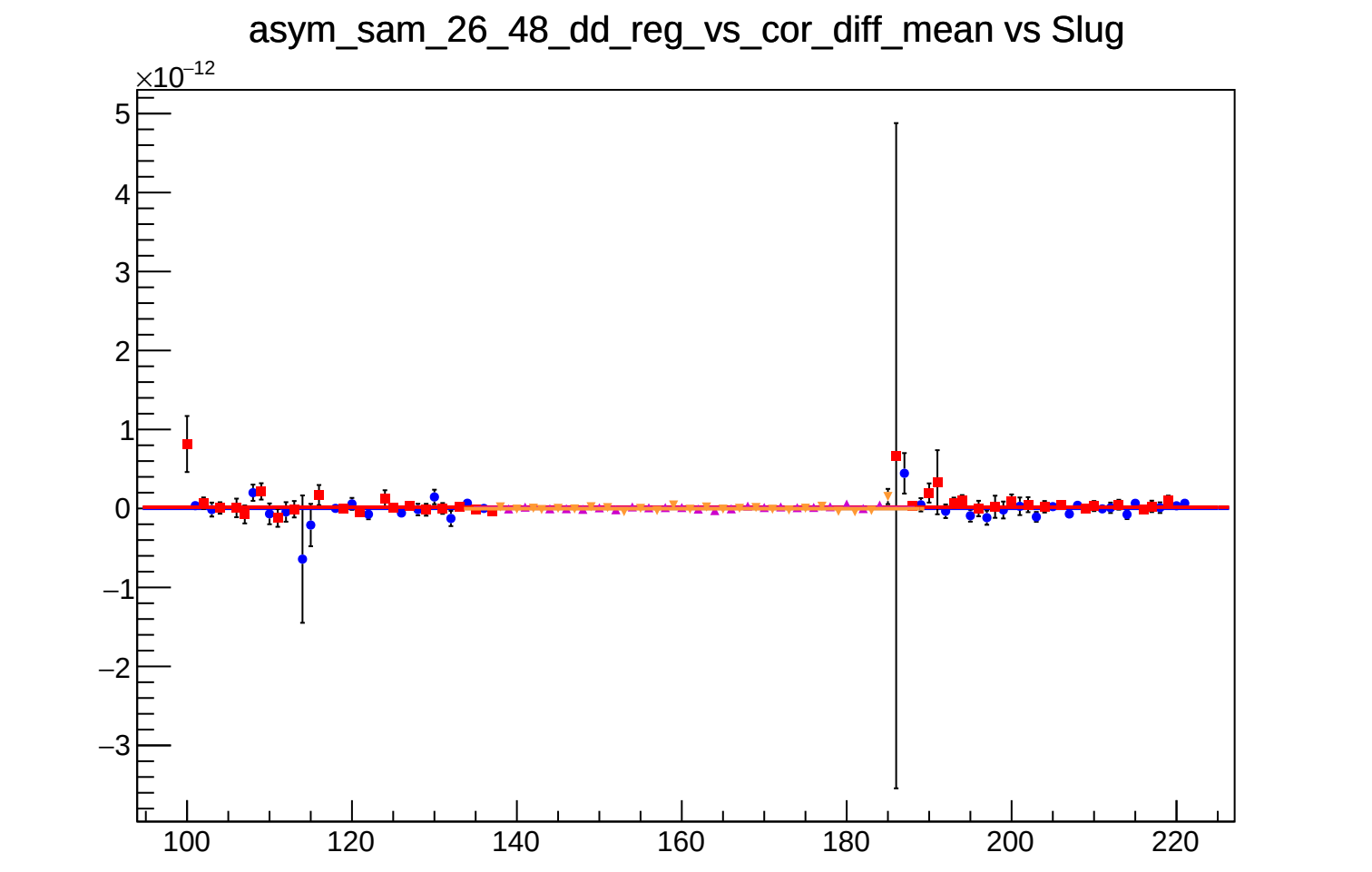
Right Out: 633.517+/-0.099 χ^2/NDF: 2214877.5/36

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 551.136+/-0.062 χ^2/NDF: 3343963.5/58

All: 551.864+/-0.044 χ^2/NDF: 7303599.7/118

- sign 552.634+/-0.064 χ^2/NDF: 3959352.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/33

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

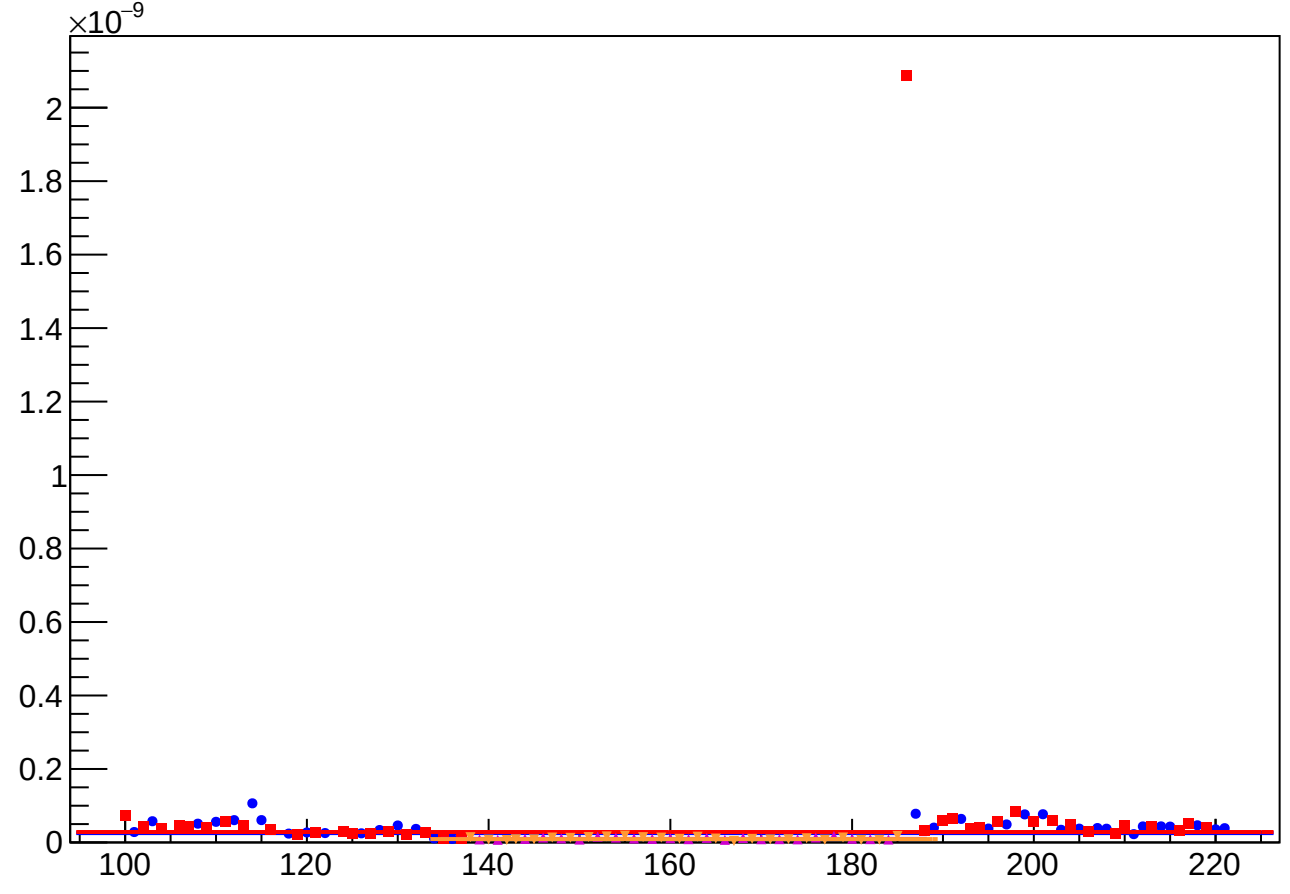
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/36

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/58

All: 0.000+/-0.000 χ^2/NDF: 109.0/118

- sign 0.000+/-0.000 χ^2/NDF: 44.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 6277831.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707532.0/36

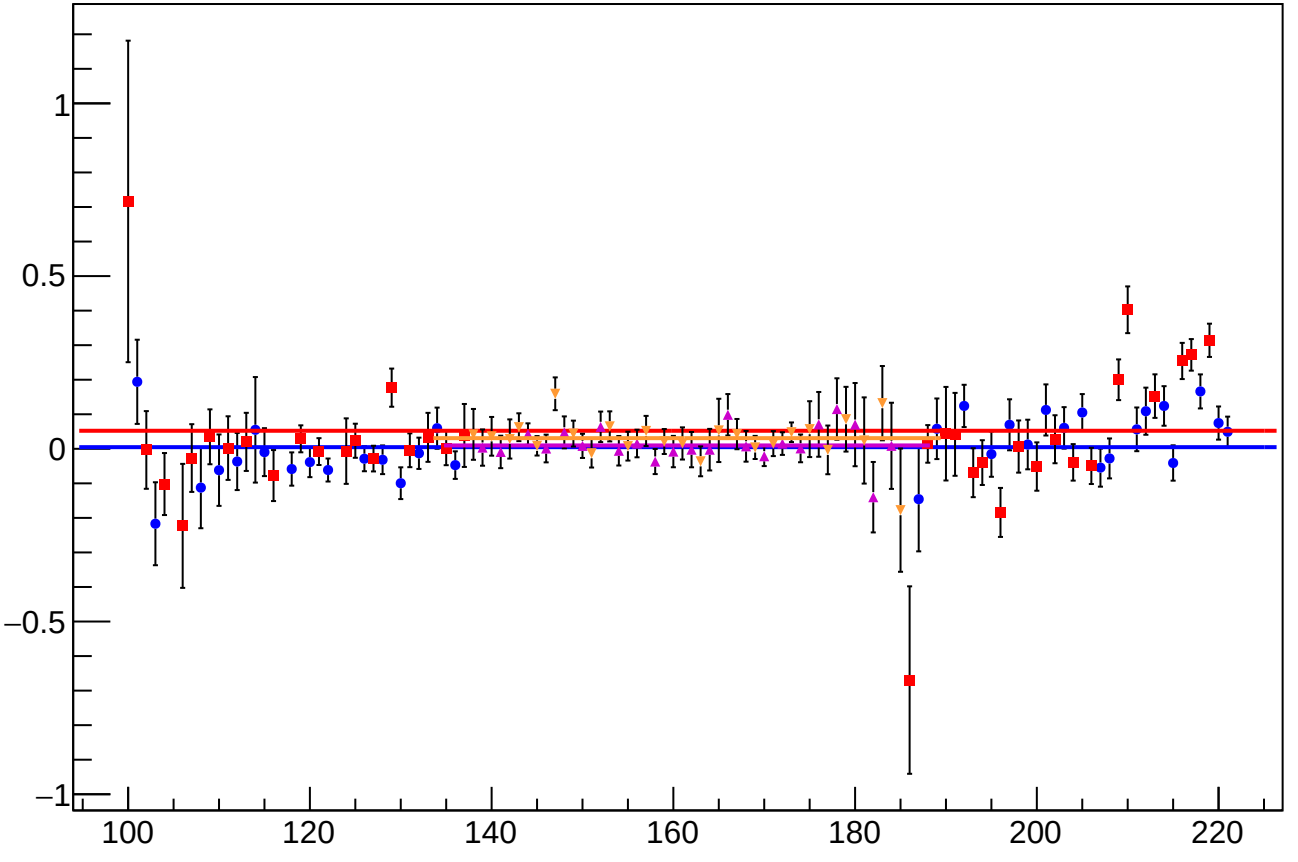
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13557853.3/58

All: 0.000+/-0.000 χ^2/NDF: 24821239.1/118

- sign 0.000+/-0.000 χ^2/NDF: 11222126.0/59

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

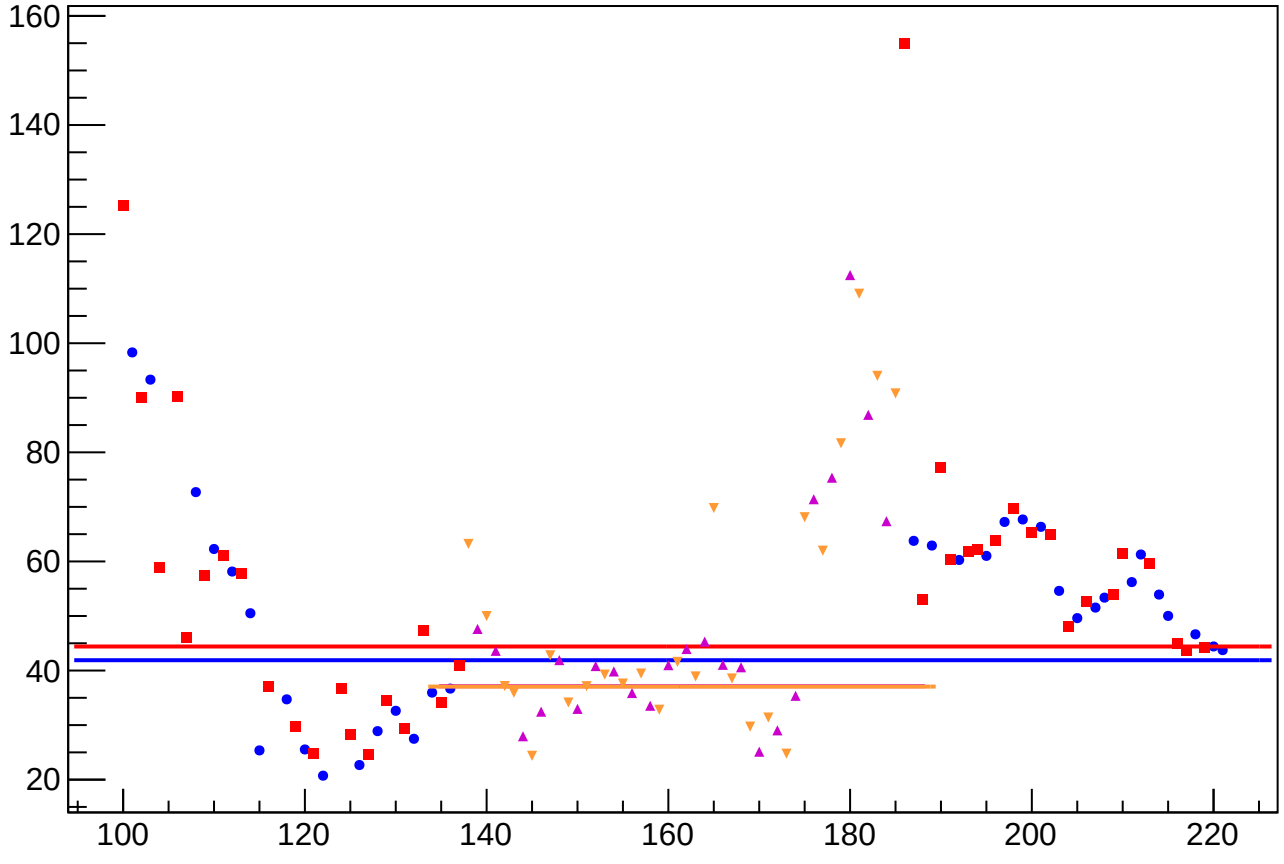
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.024+/-0.005 χ^2/NDF: 269.1/118

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.893+/-0.007 χ^2/NDF: 5359608.5/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

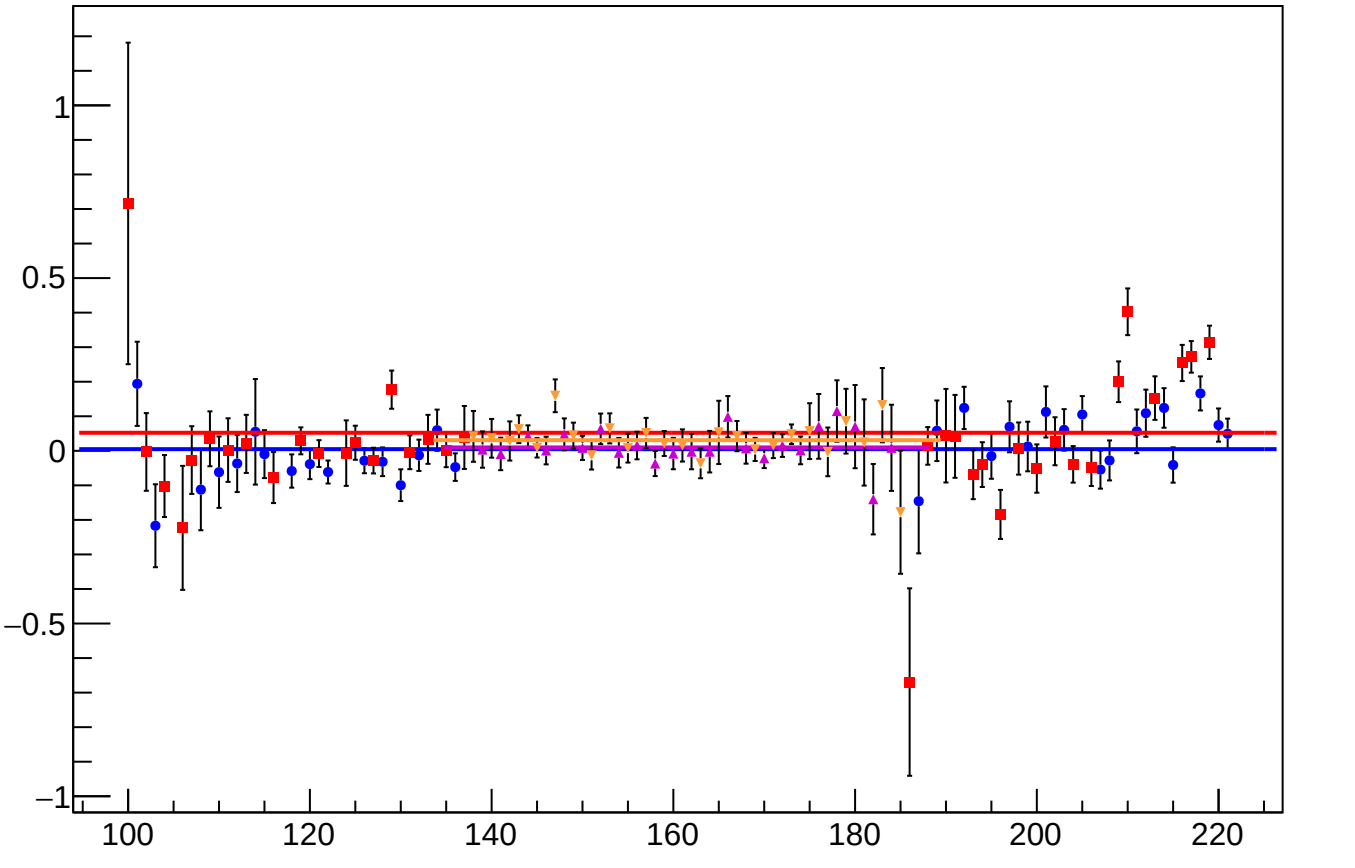
Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.345+/-0.005 χ^2/NDF: 9679010.0/58

All: 39.862+/-0.003 χ^2/NDF: 17851468.1/118

- sign 40.428+/-0.005 χ^2/NDF: 8146951.5/59



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

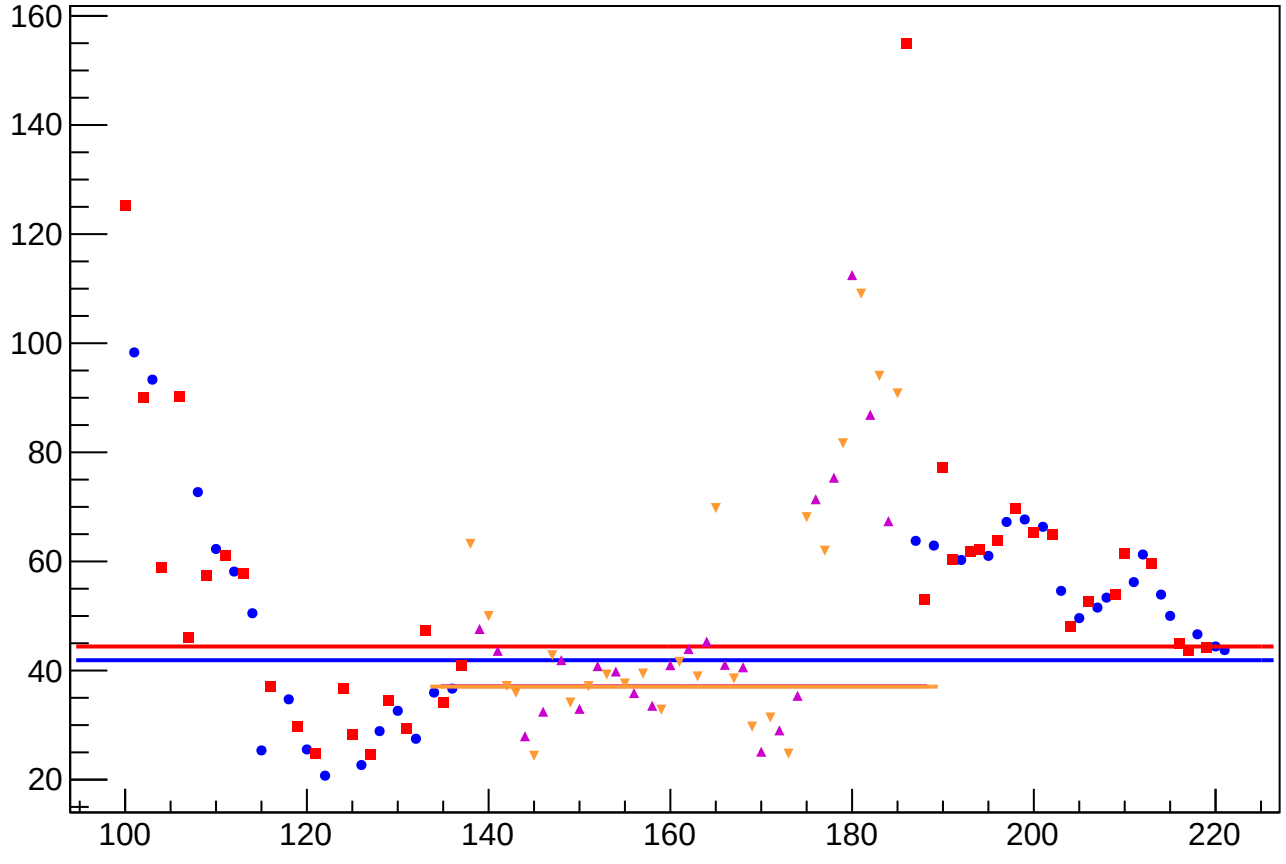
Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.024+/-0.005 χ^2/NDF: 269.1/118

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59



Right In: 41.893+/-0.007 χ^2/NDF: 5359608.5/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

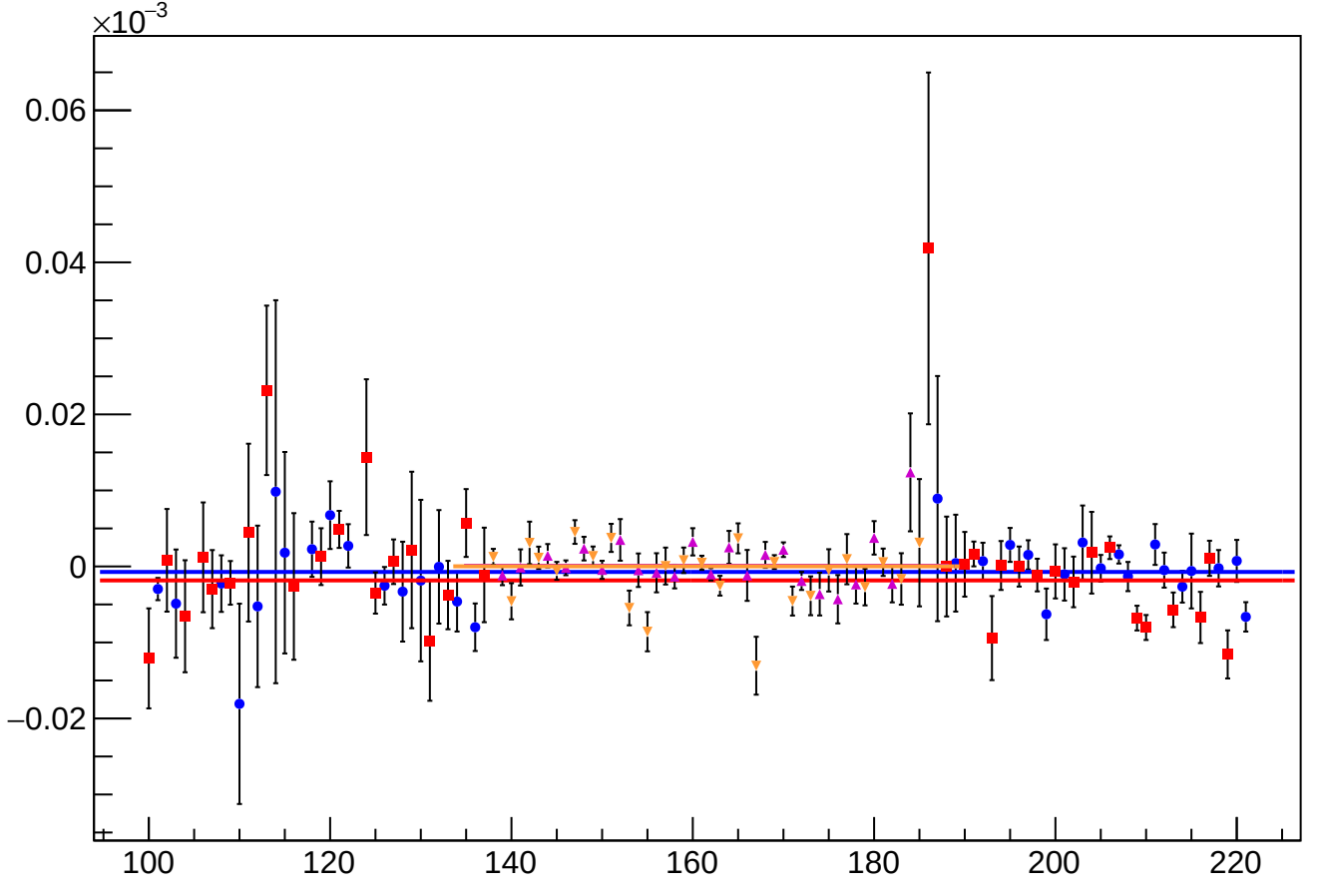
Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.345+/-0.005 χ^2/NDF: 9679010.0/58

All: 39.862+/-0.003 χ^2/NDF: 17851468.1/118

- sign 40.428+/-0.005 χ^2/NDF: 8146951.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

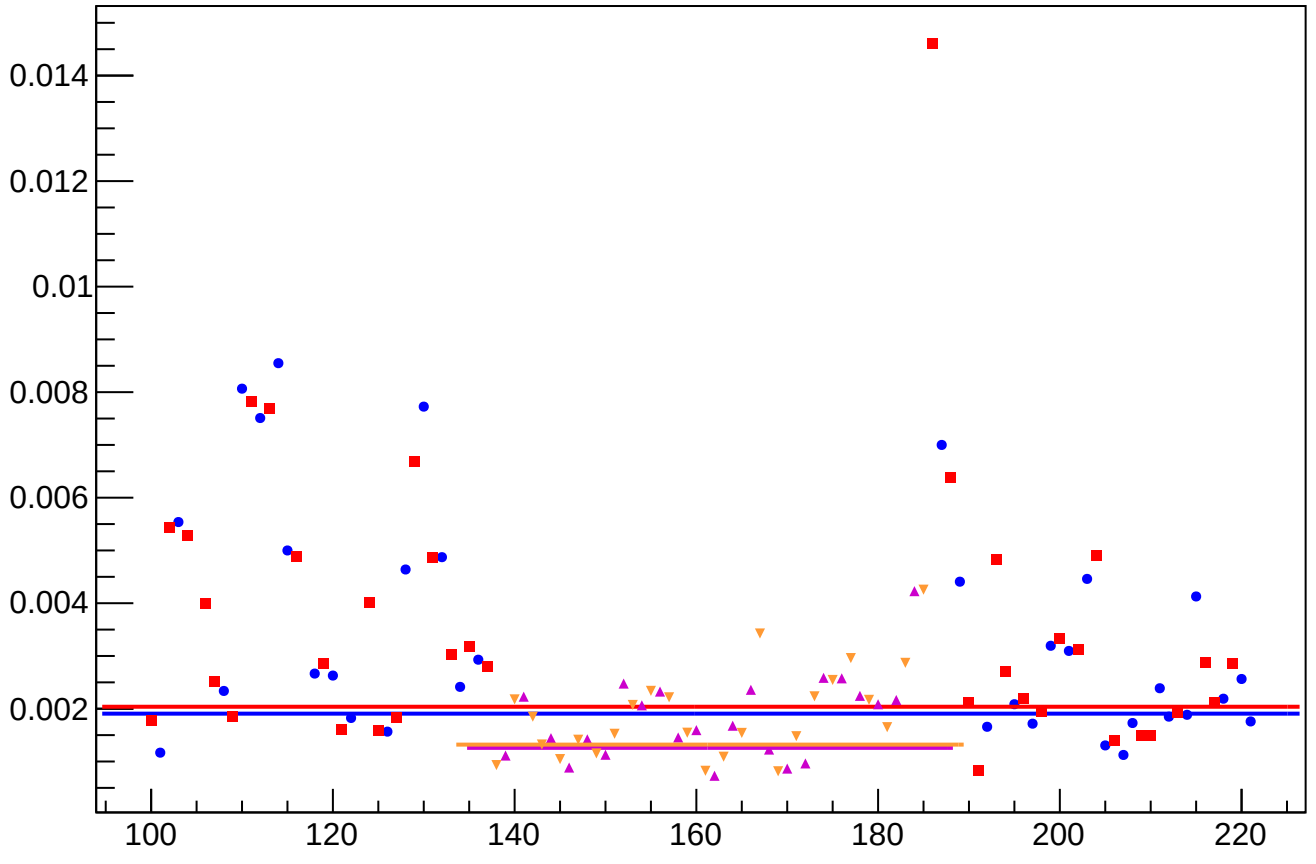
Right Out: -0.000+/-0.000 χ^2/NDF: 84.4/36

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 110.5/58

All: -0.000+/-0.000 χ^2/NDF: 237.6/118

- sign -0.000+/-0.000 χ^2/NDF: 126.7/59



Right In: 0.002+/-0.000 χ^2/NDF: 7353436.1/33

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

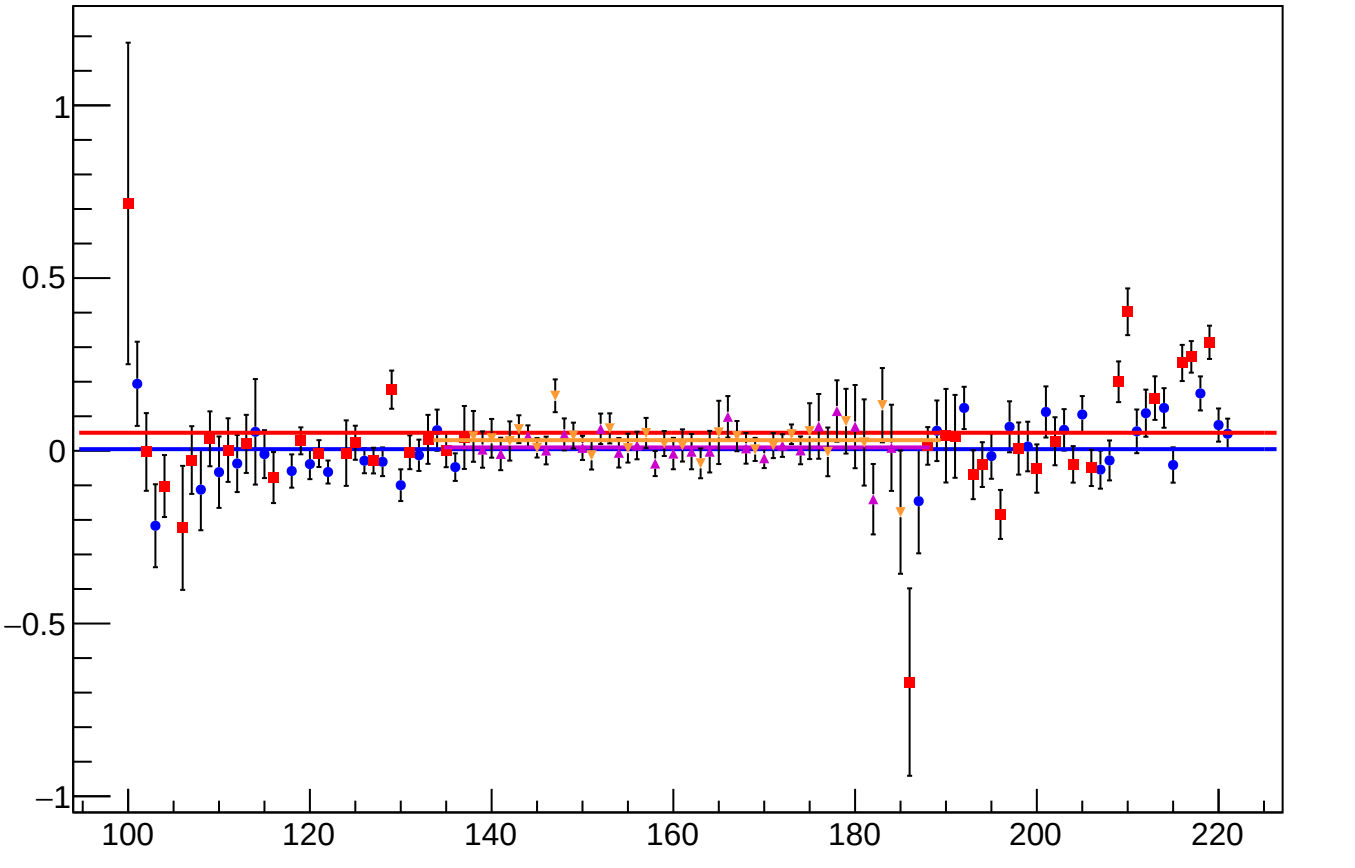
Right Out: 0.002+/-0.000 χ^2/NDF: 8782952.8/36

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.002+/-0.000 χ^2/NDF: 15075861.8/58

All: 0.002+/-0.000 χ^2/NDF: 32537731.8/118

- sign 0.001+/-0.000 χ^2/NDF: 17450427.4/59



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

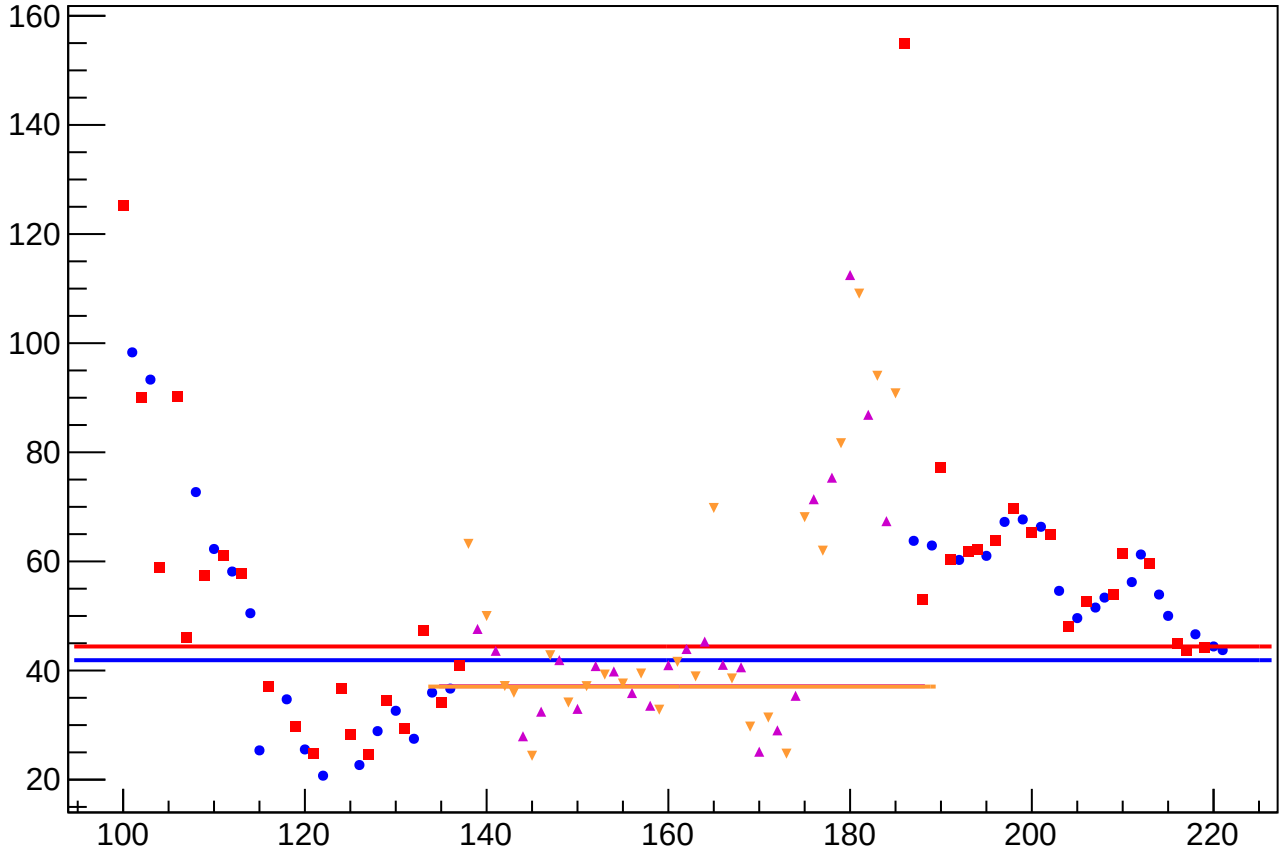
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.024+/-0.005 χ^2/NDF: 269.0/118

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.894+/-0.007 χ^2/NDF: 5359469.7/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

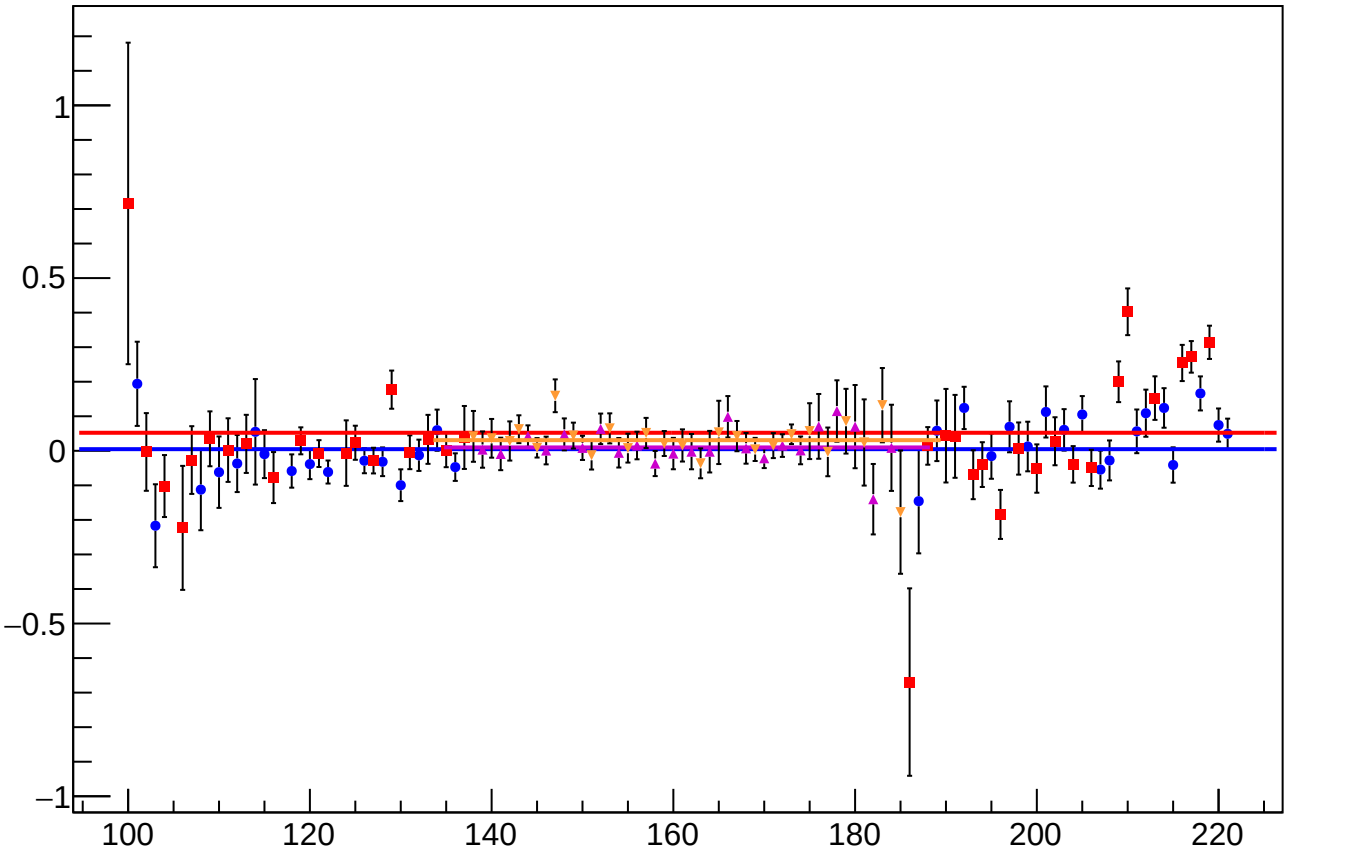
Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.345+/-0.005 χ^2/NDF: 9678909.9/58

All: 39.862+/-0.003 χ^2/NDF: 17851172.6/118

- sign 40.428+/-0.005 χ^2/NDF: 8146756.1/59



Right In: 0.005+/-0.010 χ^2/NDF: 59.8/33

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

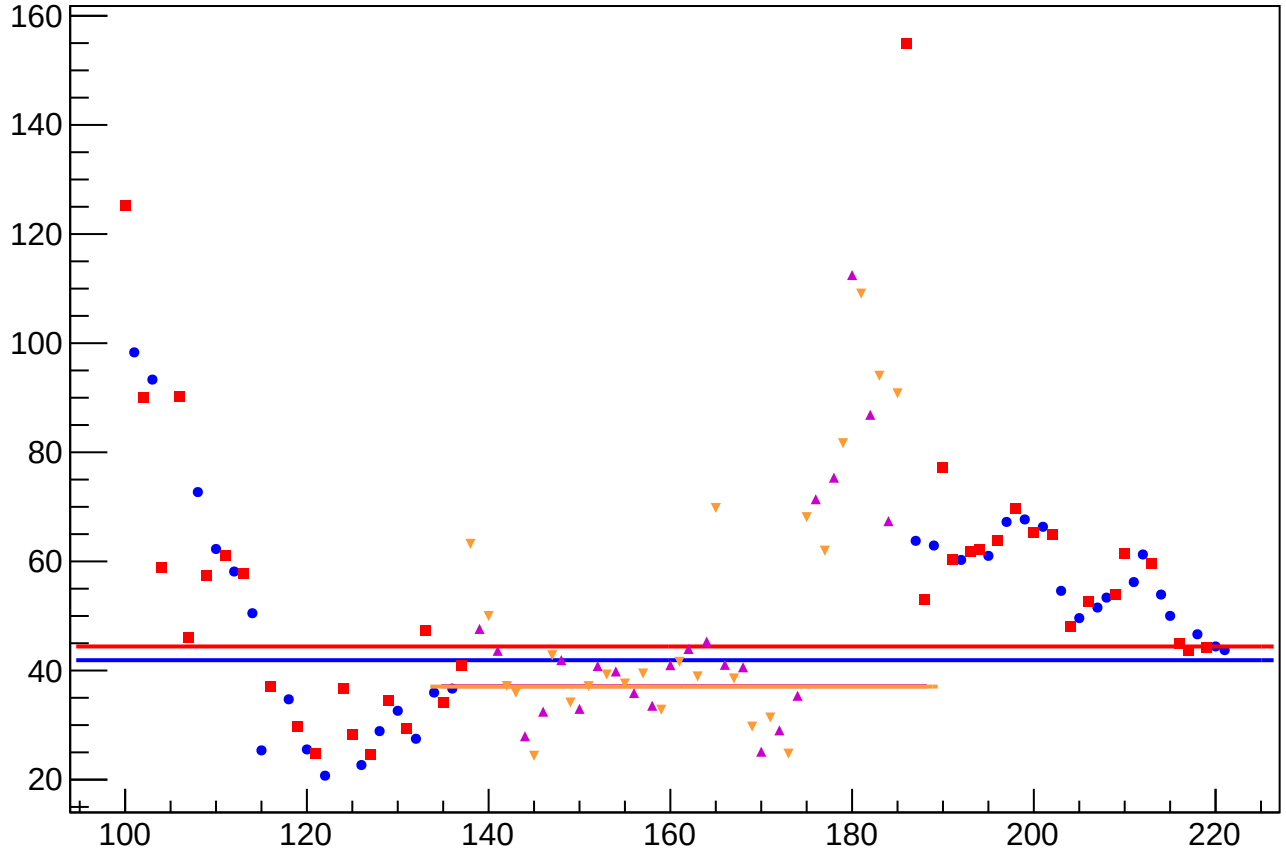
Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.019+/-0.007 χ^2/NDF: 81.5/58

All: 0.024+/-0.005 χ^2/NDF: 269.0/118

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59



Right In: 41.894+/-0.007 χ^2/NDF: 5359469.7/33

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

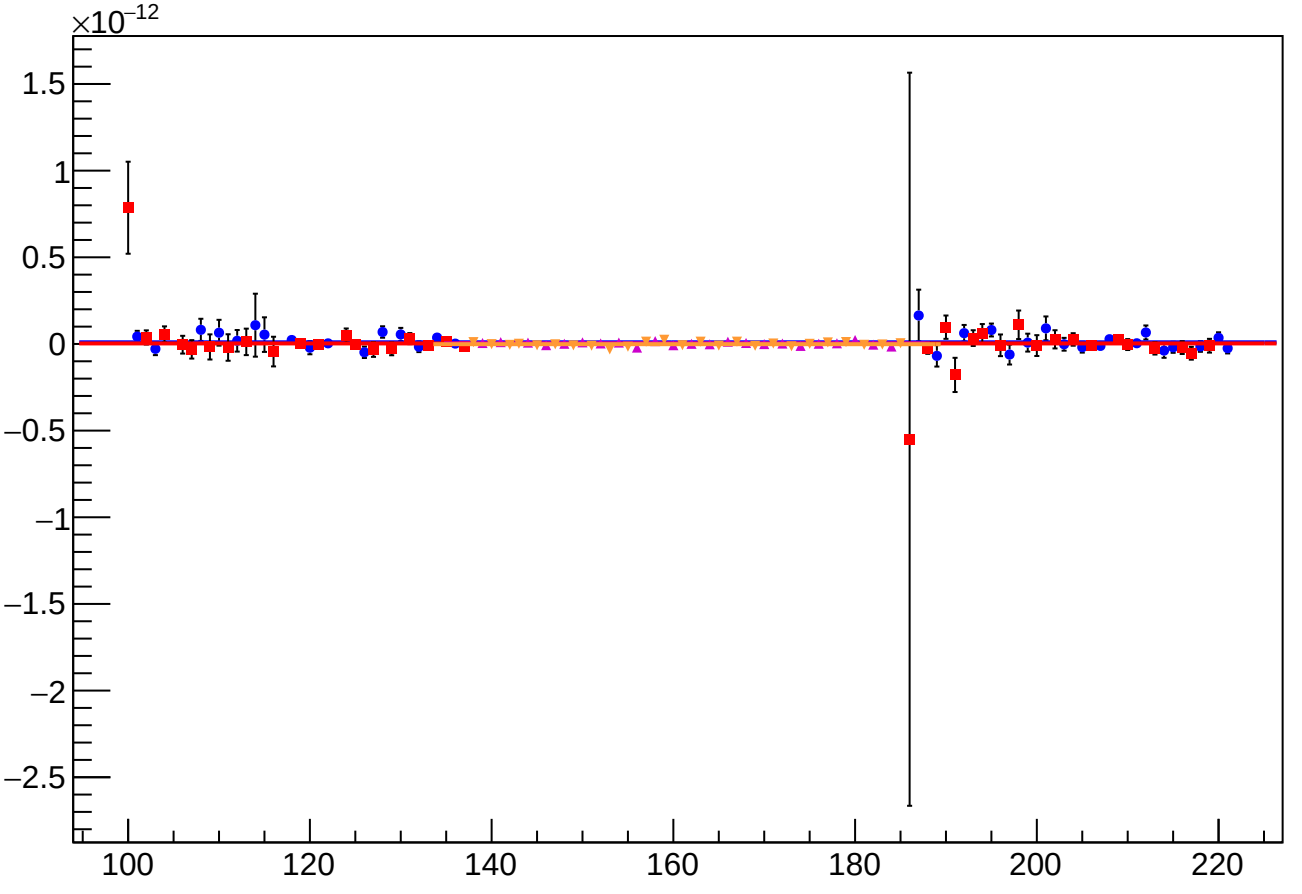
Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.345+/-0.005 χ^2/NDF: 9678909.9/58

All: 39.862+/-0.003 χ^2/NDF: 17851172.6/118

- sign 40.428+/-0.005 χ^2/NDF: 8146756.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/33

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

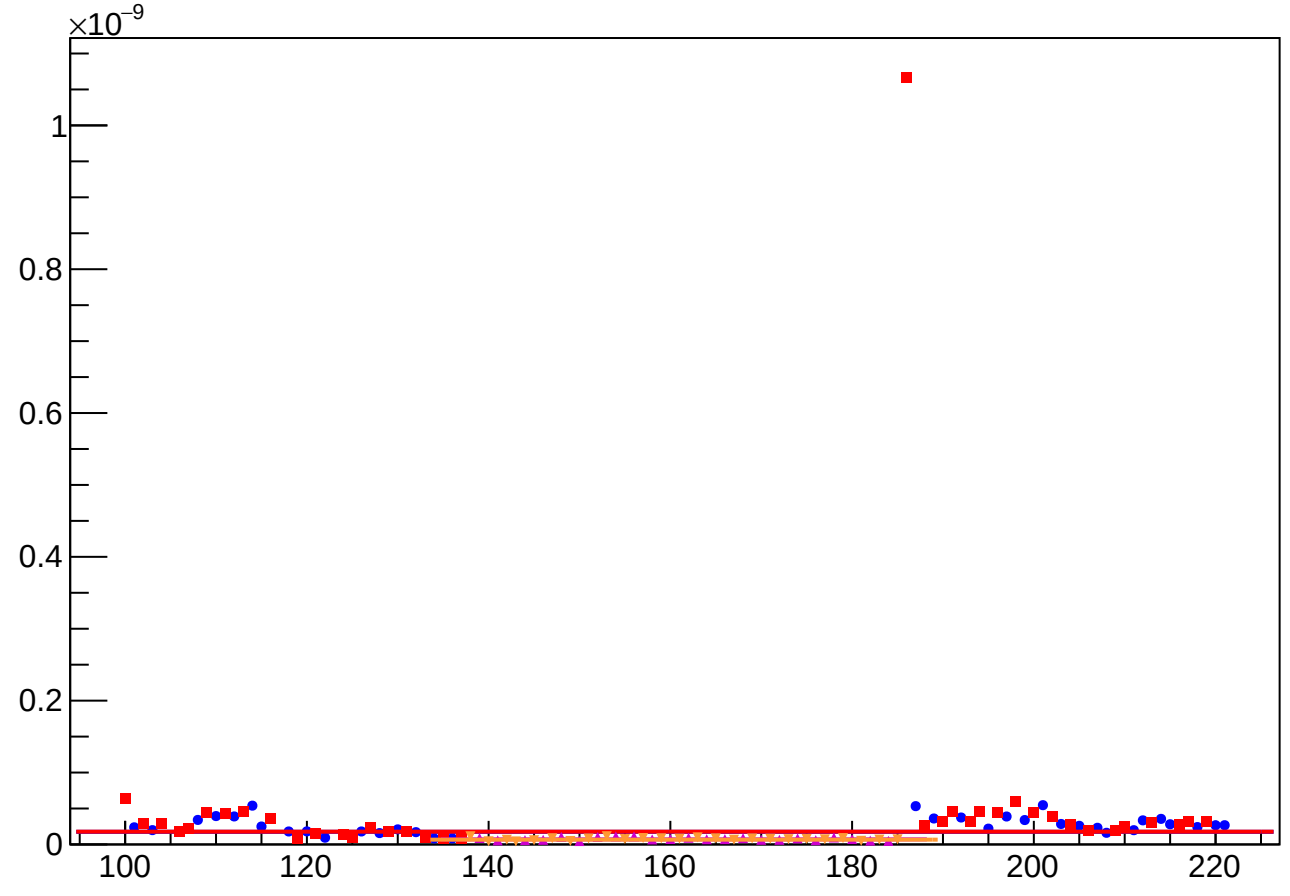
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.3/58

All: 0.000+/-0.000 χ^2/NDF: 120.8/118

- sign 0.000+/-0.000 χ^2/NDF: 53.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 6877379.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8388985.0/36

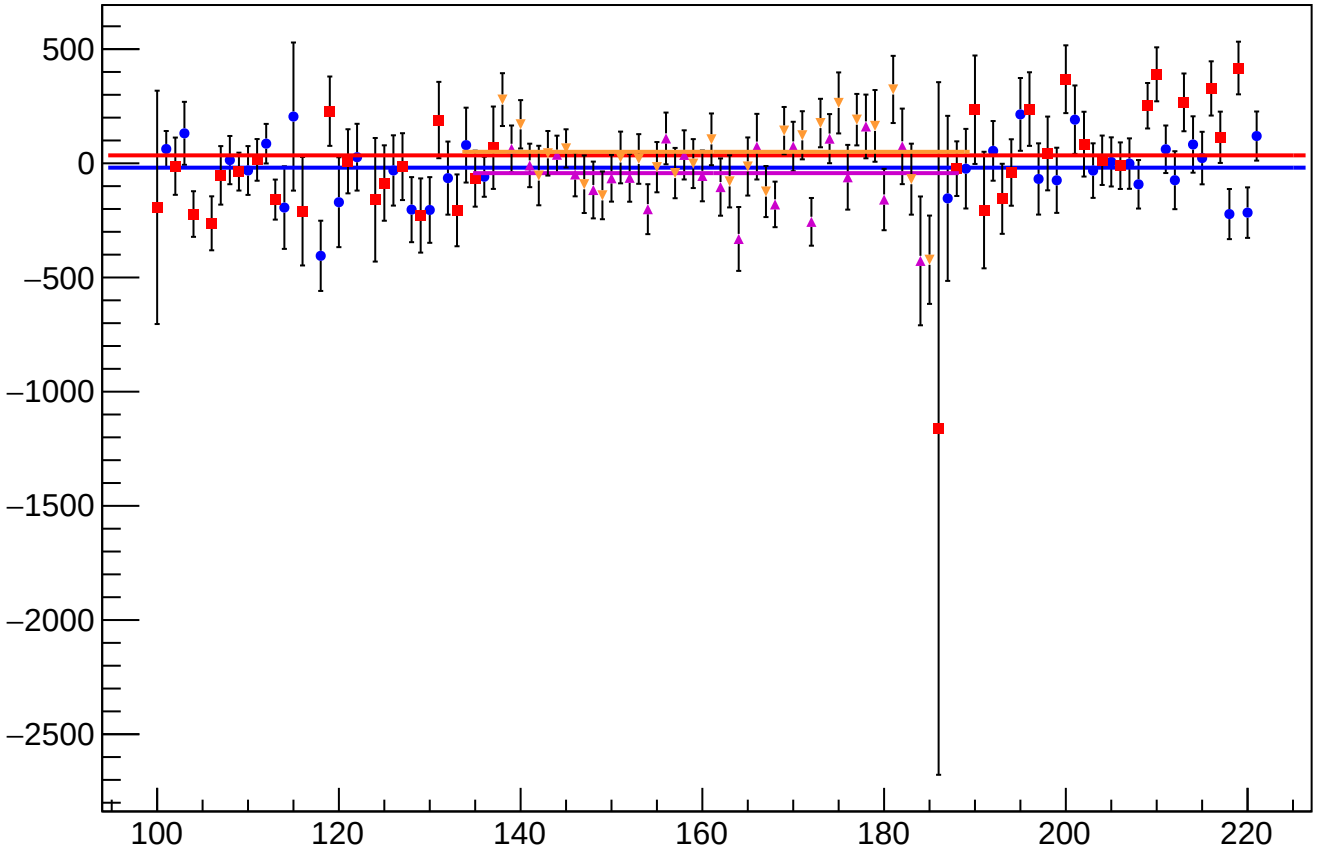
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16791224.4/58

All: 0.000+/-0.000 χ^2/NDF: 33491161.3/118

- sign 0.000+/-0.000 χ^2/NDF: 16648945.0/59

reg_asym_sam_1548_avg_mean vs Slug



Right In: -19.112+/-21.455 χ^2/NDF: 31.5/33

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 34.788+/-21.704 χ^2/NDF: 75.8/36

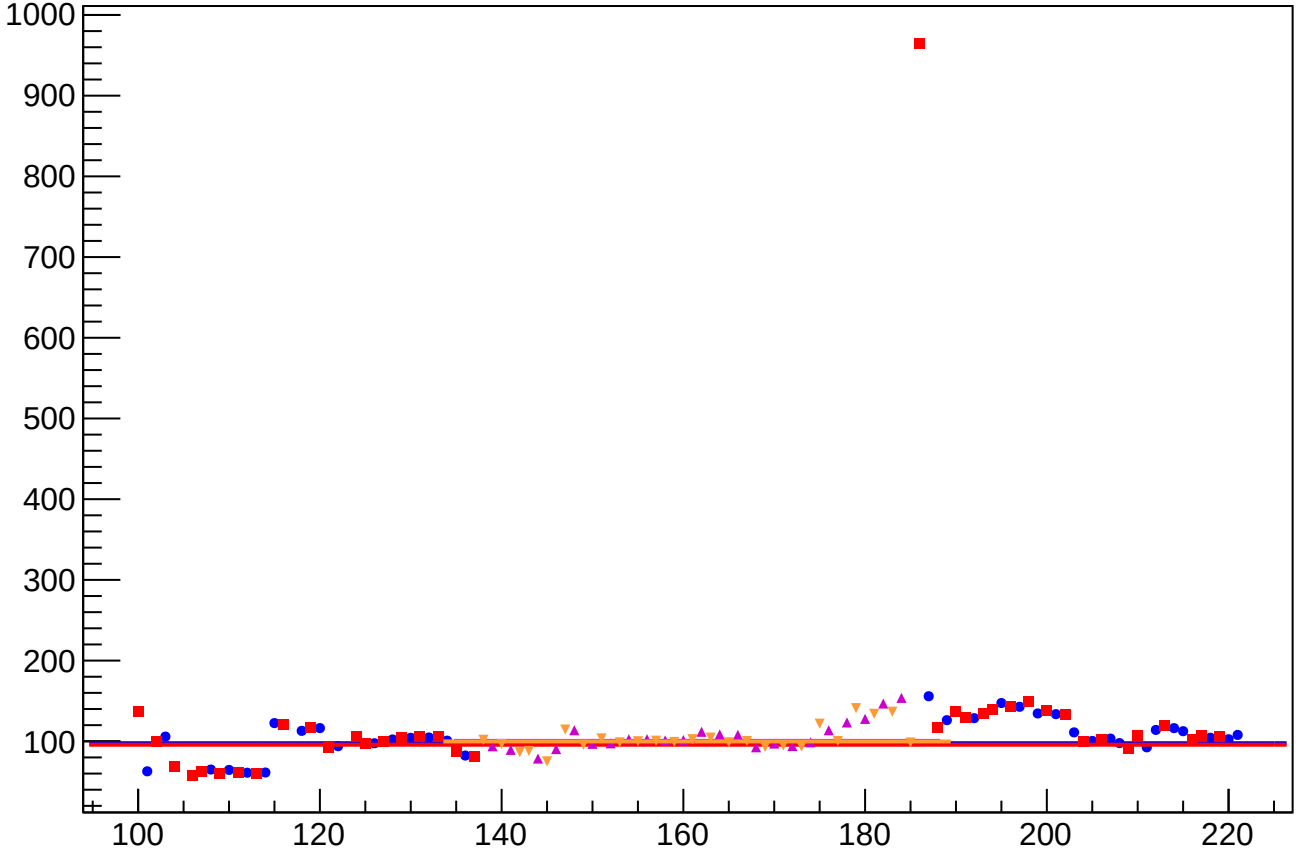
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 13.255+/-15.675 χ^2/NDF: 69.8/58

All: 6.475+/-11.205 χ^2/NDF: 178.5/118

- sign -0.610+/-16.024 χ^2/NDF: 108.3/59

reg_asym_sam_1548_avg_rms vs Slug



Right In: 97.639+/-0.015 χ^2/NDF: 2350070.4/33

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

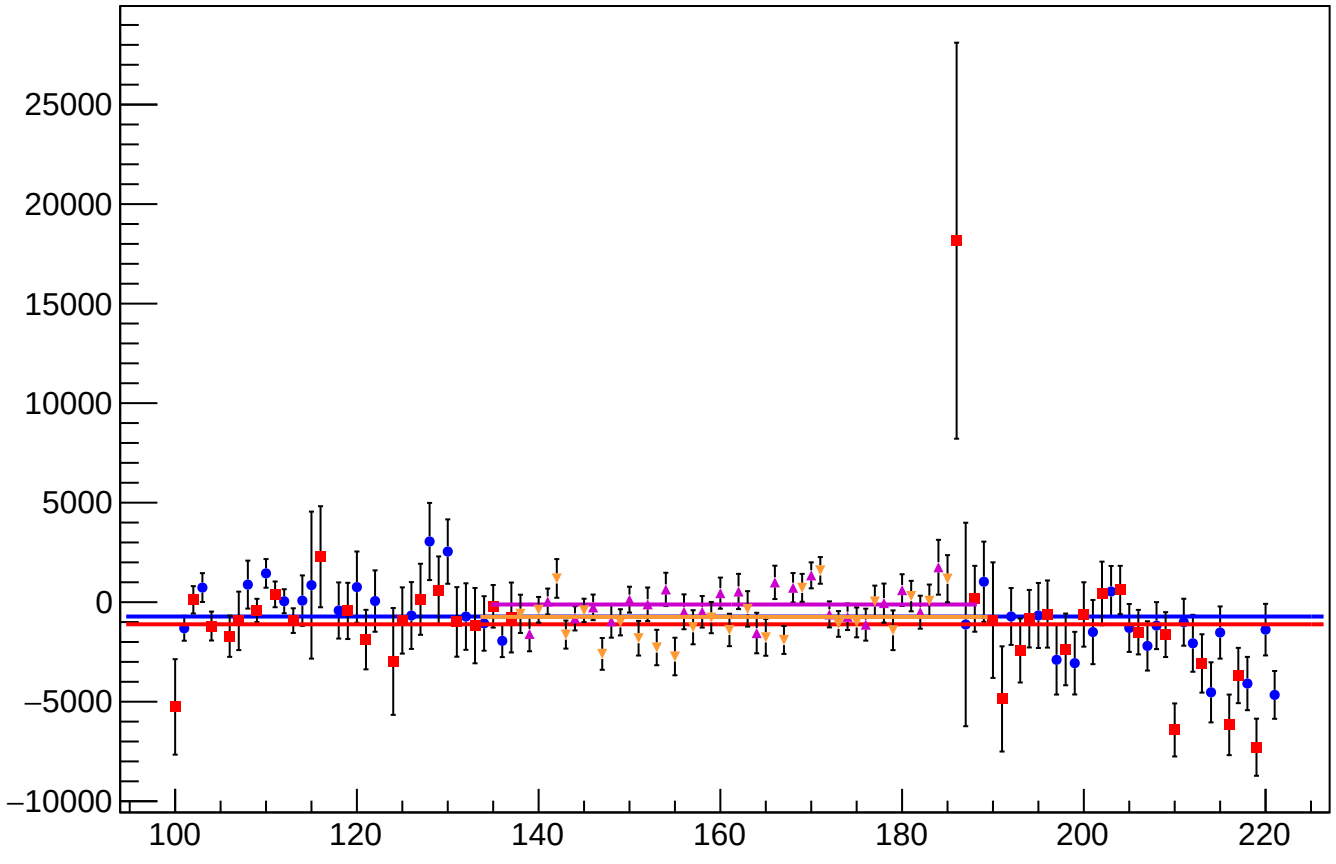
Right Out: 95.758+/-0.015 χ^2/NDF: 3584528.3/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 98.664+/-0.011 χ^2/NDF: 3057645.5/58

All: 98.298+/-0.008 χ^2/NDF: 7344648.5/118

\- sign 97.914+/-0.011 χ^2/NDF: 4284764.2/59



Right In: -720.628+/-203.499 χ^2/NDF: 61.6/33

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -1111.304+/-199.015 χ^2/NDF: 80.3/36

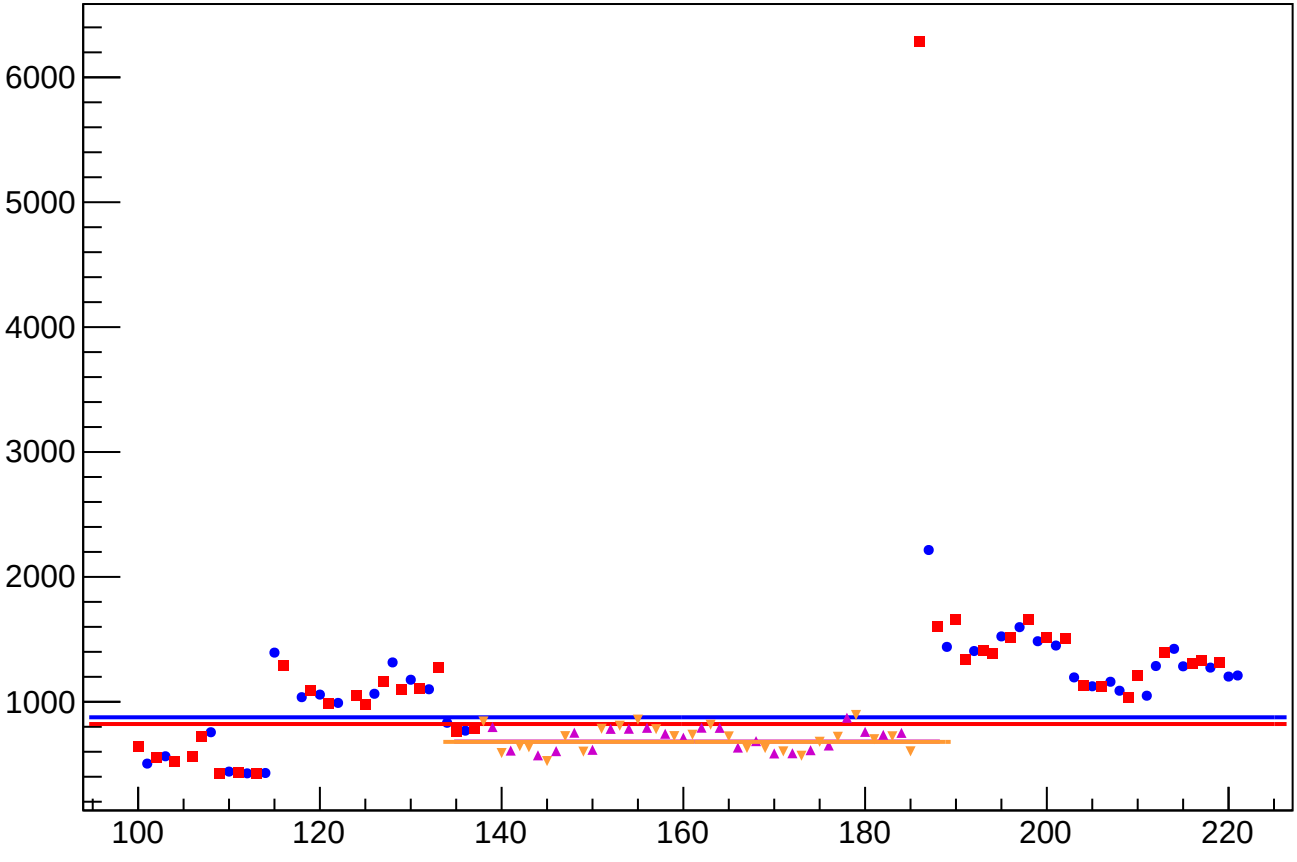
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -731.782+/-123.963 χ^2/NDF: 111.3/58

All: -621.697+/-88.077 χ^2/NDF: 232.0/118

- sign -509.466+/-125.165 χ^2/NDF: 119.1/59

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 876.025+/-0.144 χ^2/NDF: 6822995.2/33

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 822.098+/-0.141 χ^2/NDF: 8656813.9/36

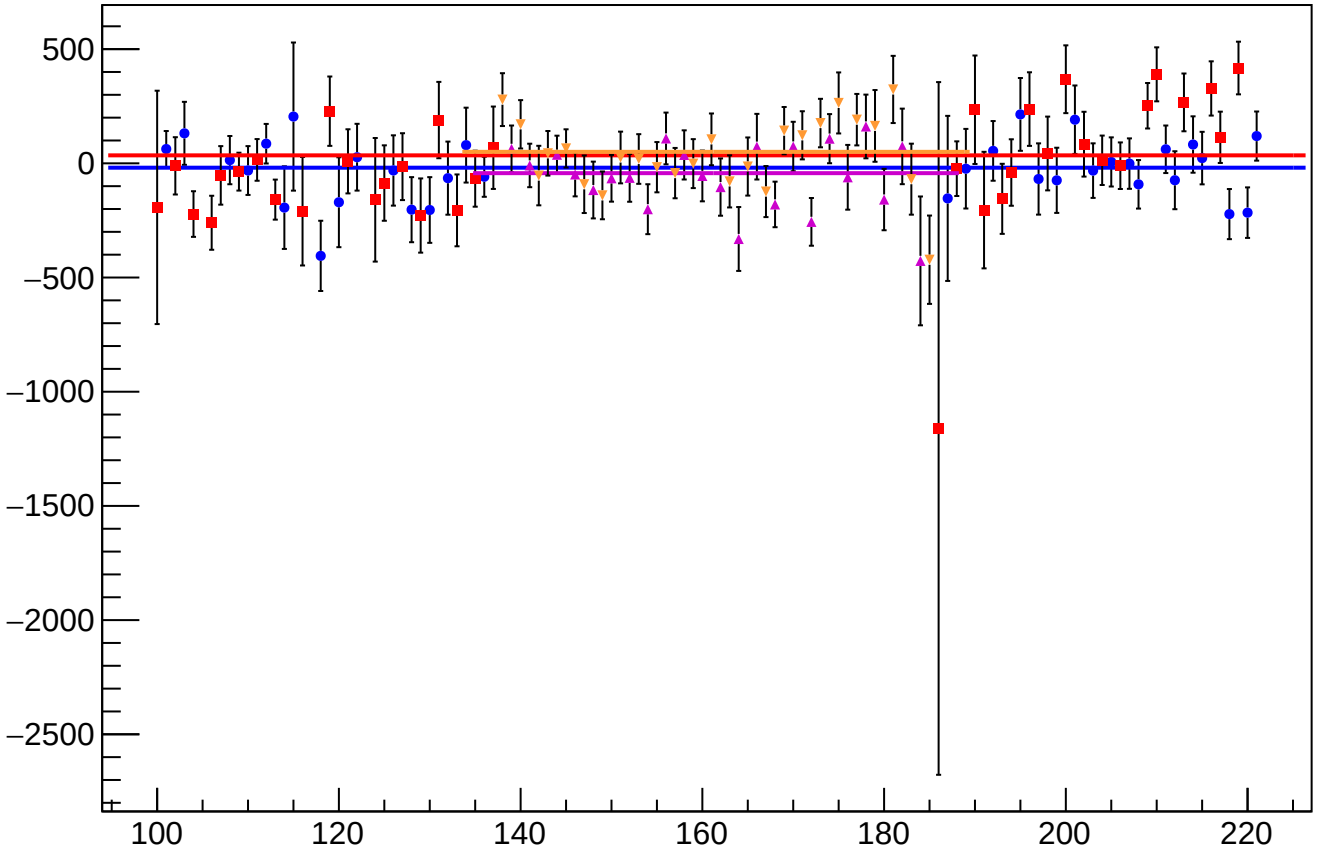
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 752.202+/-0.088 χ^2/NDF: 8737765.4/58

All: 744.848+/-0.062 χ^2/NDF: 18582608.0/11

- sign 737.350+/-0.089 χ^2/NDF: 9830626.2/59

cor_asym_sam_1548_avg_mean vs Slug



Right In: -19.114+/-21.455 χ^2/NDF: 31.5/33

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 34.931+/-21.704 χ^2/NDF: 75.7/36

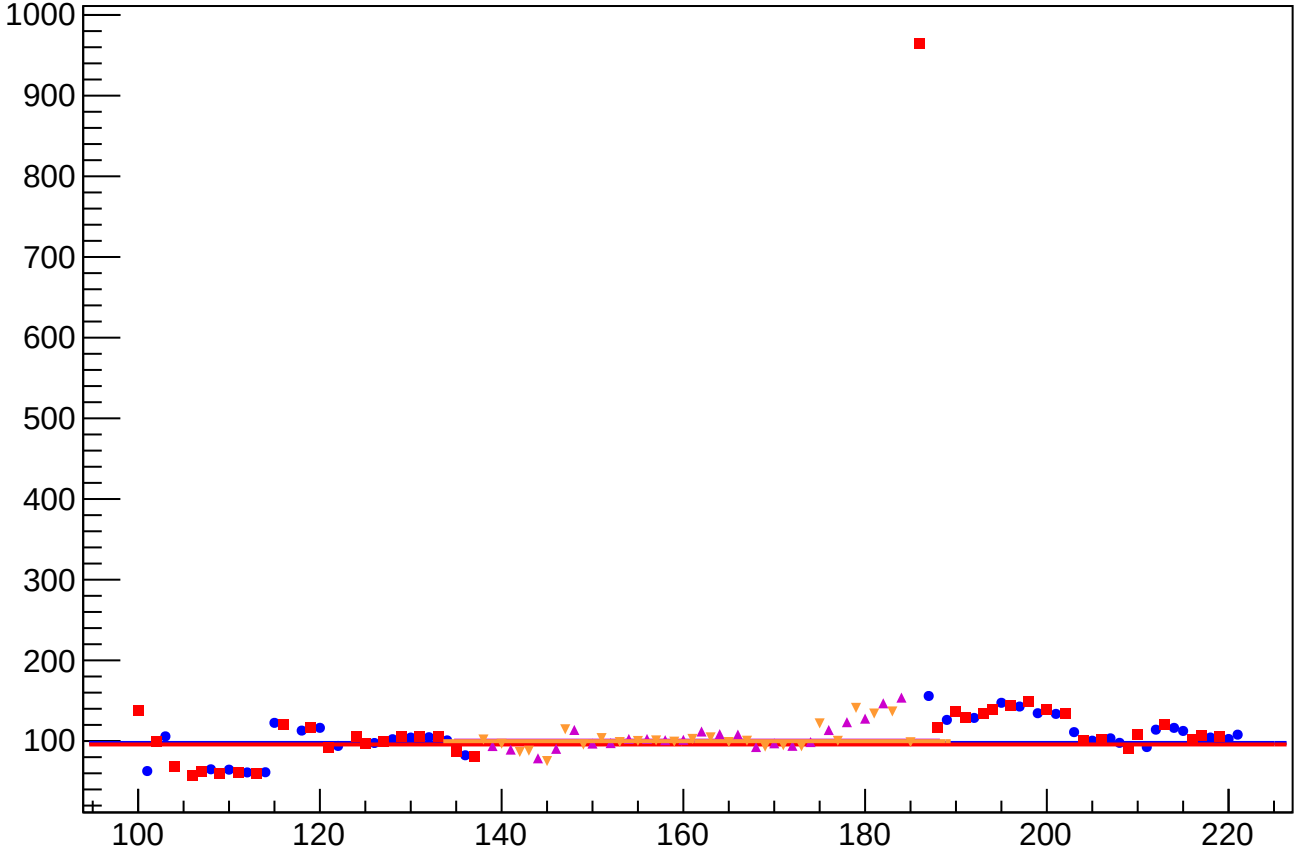
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 13.258+/-15.675 χ^2/NDF: 69.8/58

All: 6.514+/-11.205 χ^2/NDF: 178.4/118

- sign -0.533+/-16.024 χ^2/NDF: 108.2/59

cor_asym_sam_1548_avg_rms vs Slug



Right In: 97.639+/-0.015 χ^2/NDF: 2350071.4/33

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

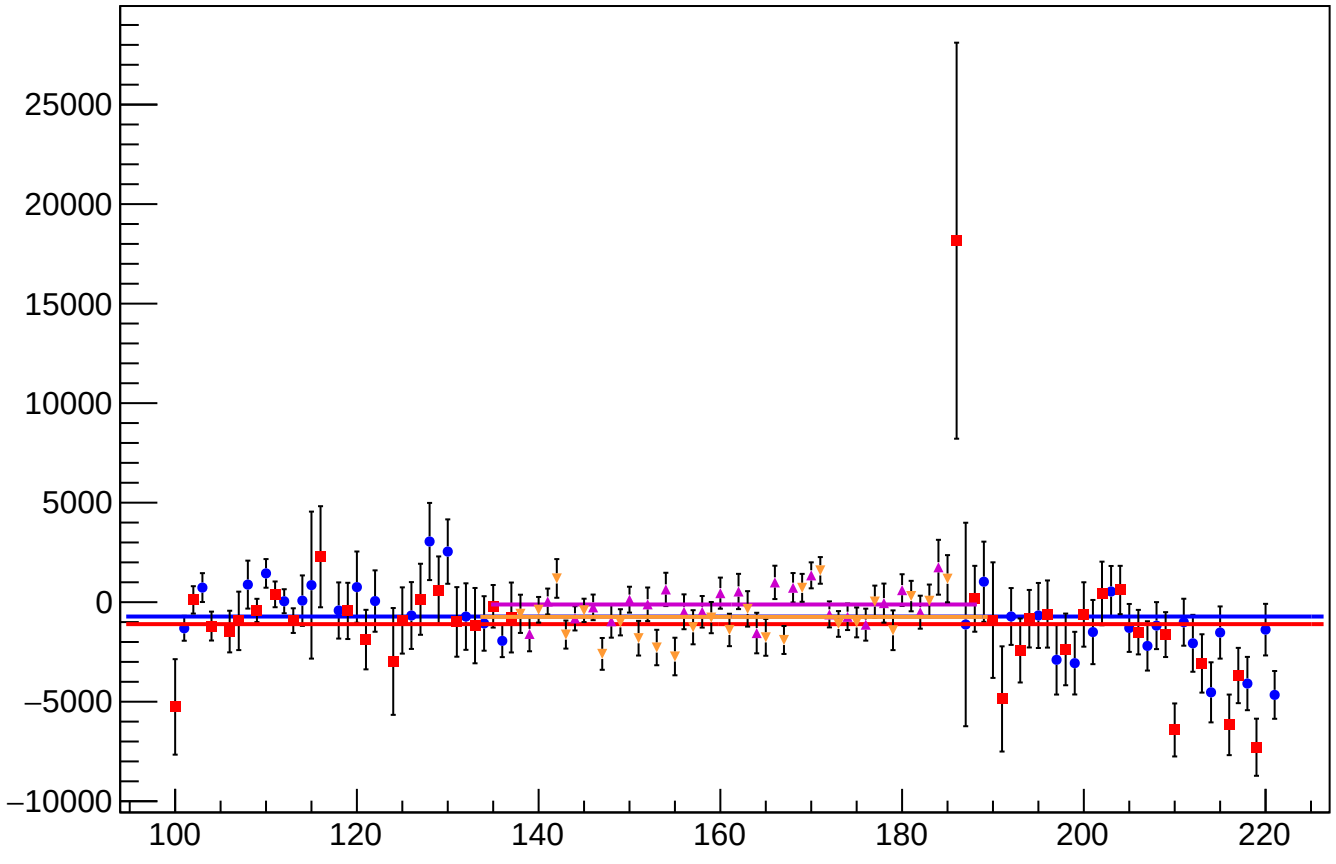
Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 98.664+/-0.011 χ^2/NDF: 3057646.4/58

All: 98.295+/-0.008 χ^2/NDF: 7348343.1/118

\- sign 97.910+/-0.011 χ^2/NDF: 4288430.1/59



Right In: -720.654+/-203.501 χ^2/NDF: 61.6/33

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -1102.768+/-199.101 χ^2/NDF: 80.0/36

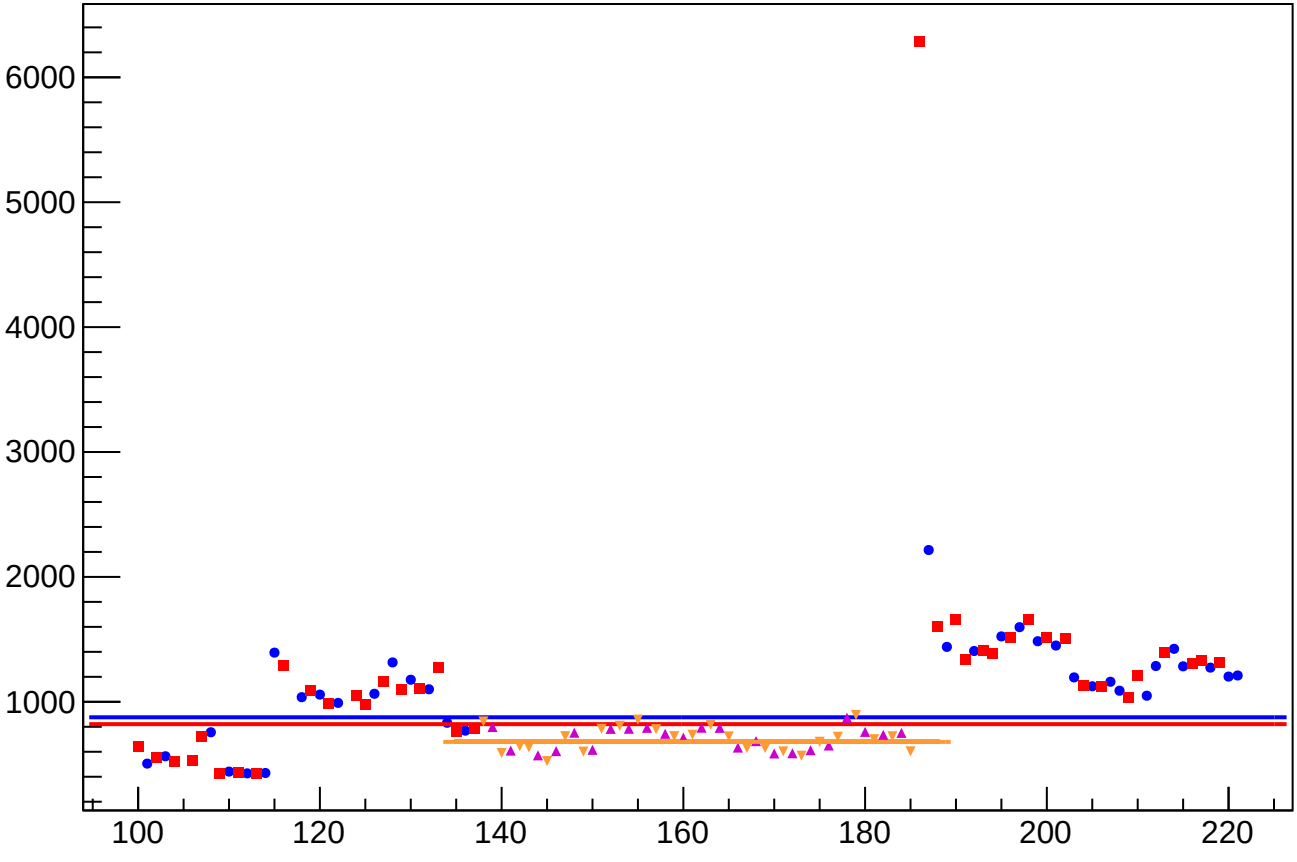
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -731.785+/-123.963 χ^2/NDF: 111.3/58

All: -619.944+/-88.084 χ^2/NDF: 231.6/118

- sign -505.886+/-125.186 χ^2/NDF: 118.6/59

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 876.035+/-0.144 χ^2/NDF: 6822788.8/33

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

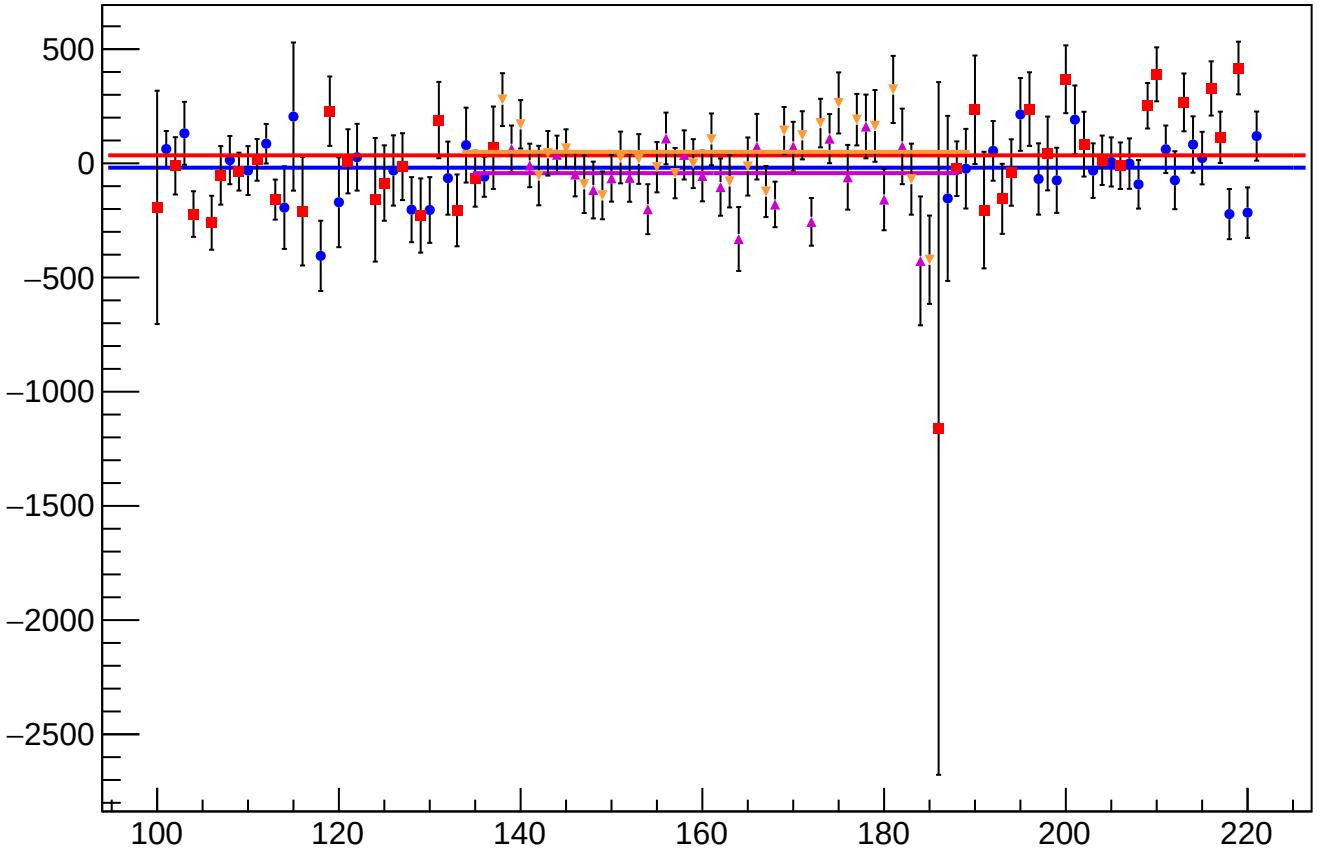
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 752.205+/-0.088 χ^2/NDF: 8737657.4/58

All: 744.645+/-0.062 χ^2/NDF: 18605394.7/11

- sign 736.934+/-0.089 χ^2/NDF: 9852711.0/59

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -19.114+/-21.455 χ^2/NDF: 31.5/33

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 34.931+/-21.704 χ^2/NDF: 75.7/36

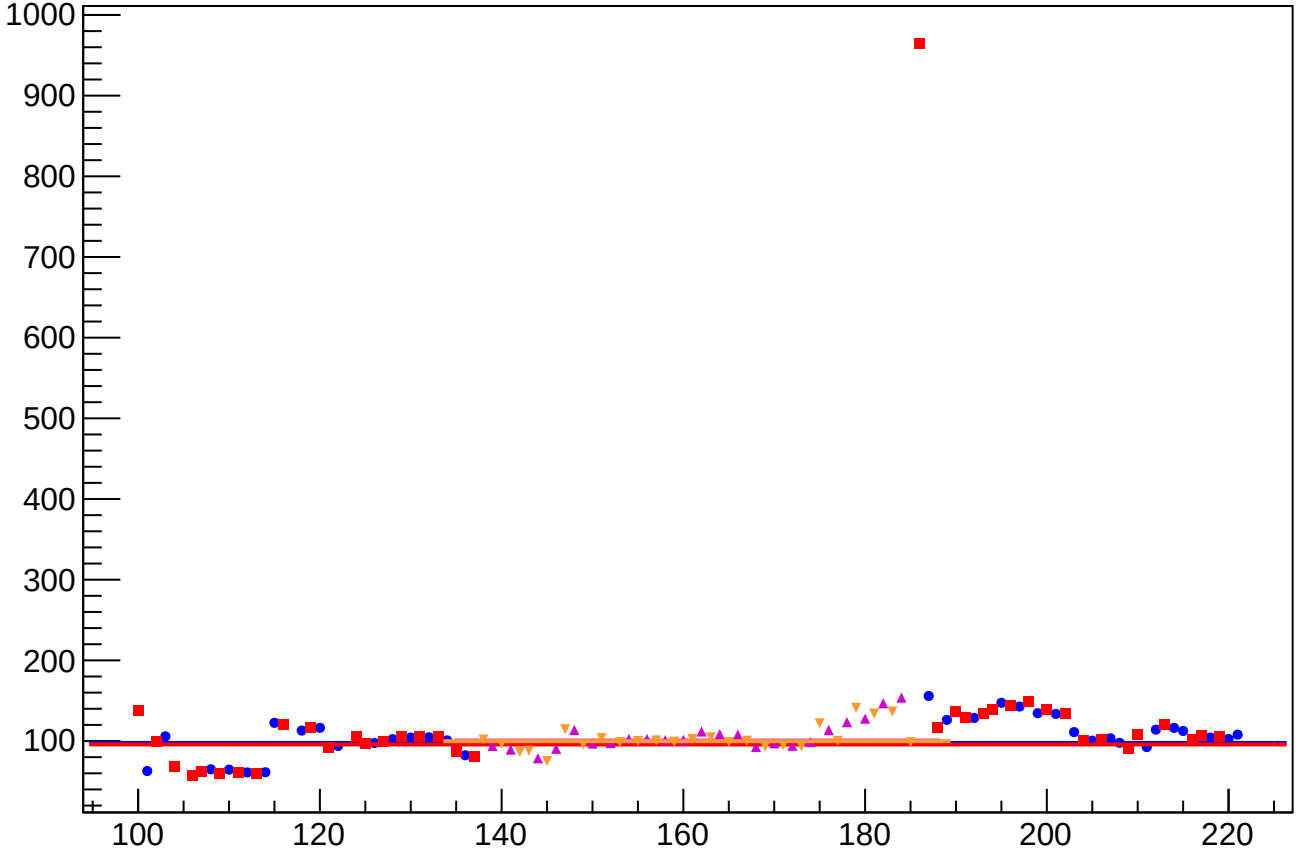
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 13.258+/-15.675 χ^2/NDF: 69.8/58

All: 6.514+/-11.205 χ^2/NDF: 178.4/118

- sign -0.533+/-16.024 χ^2/NDF: 108.2/59

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 97.639+/-0.015 χ^2/NDF: 2350071.4/33

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

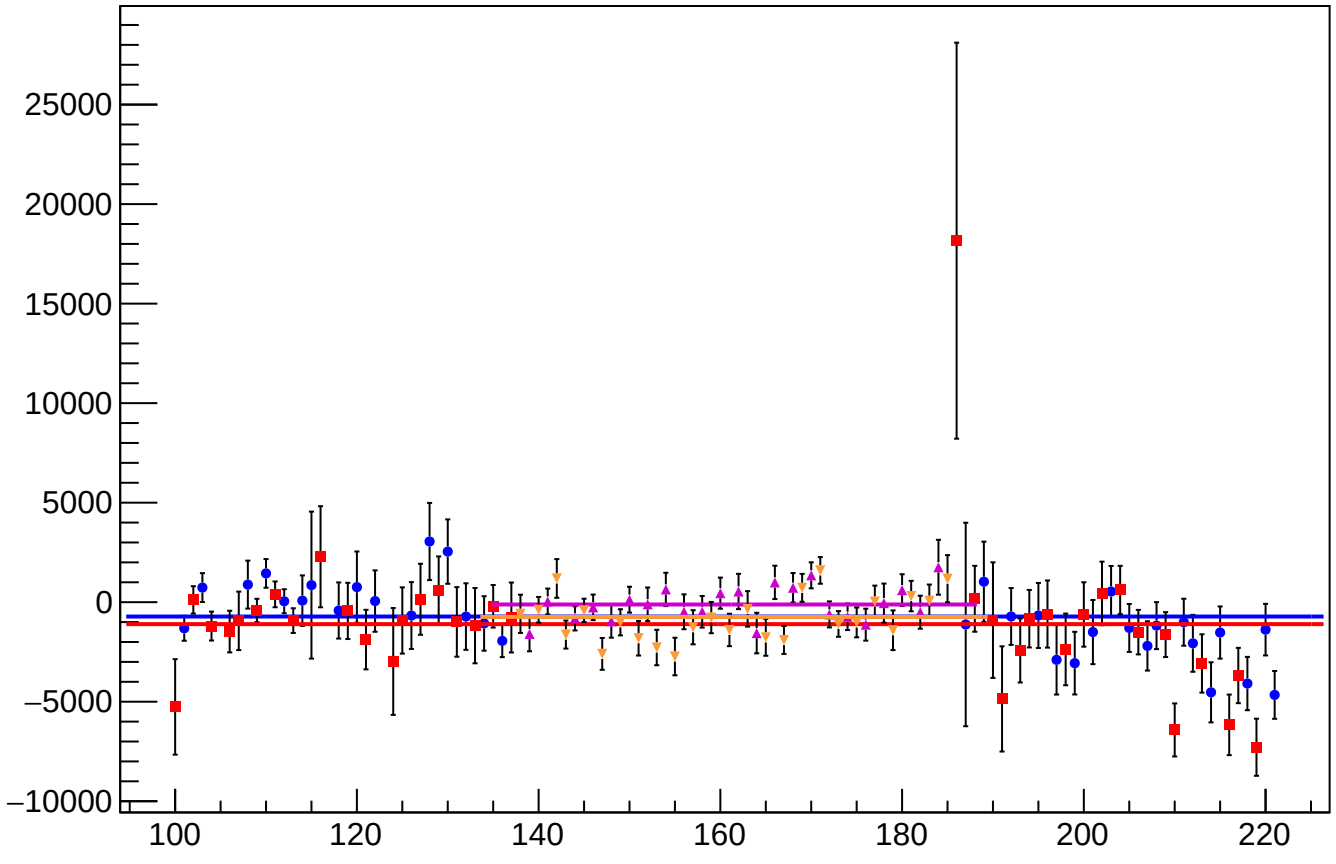
Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.664+/-0.011 χ^2/NDF: 3057646.4/58

All: 98.295+/-0.008 χ^2/NDF: 7348343.1/118

- sign 97.910+/-0.011 χ^2/NDF: 4288430.1/59



Right In: -720.654+/-203.501 χ^2/NDF: 61.6/33

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

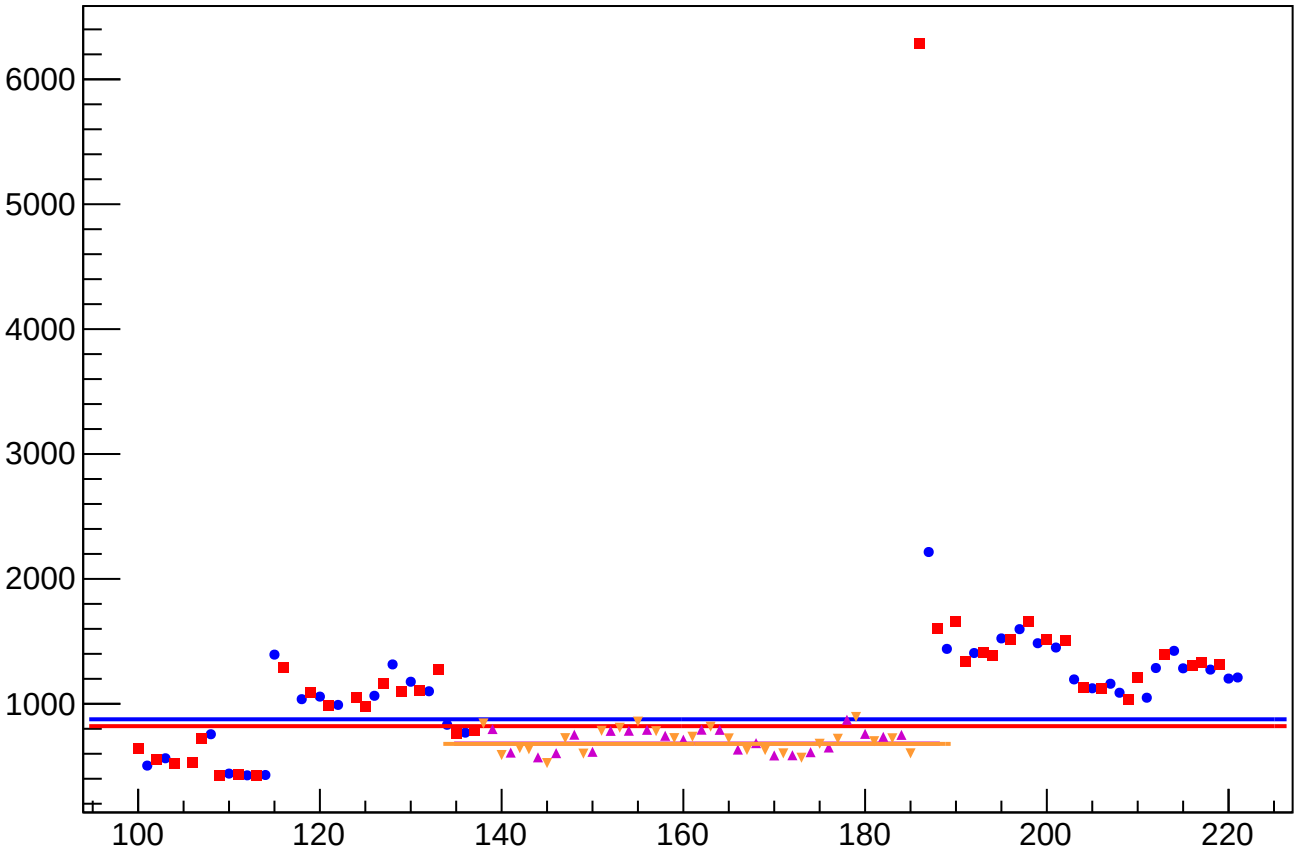
Right Out: -1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -731.785+/-123.963 χ^2/NDF: 111.3/58

All: -619.944+/-88.084 χ^2/NDF: 231.6/118

- sign -505.886+/-125.186 χ^2/NDF: 118.6/59



Right In: 876.035+/-0.144 χ^2/NDF: 6822788.8/33

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

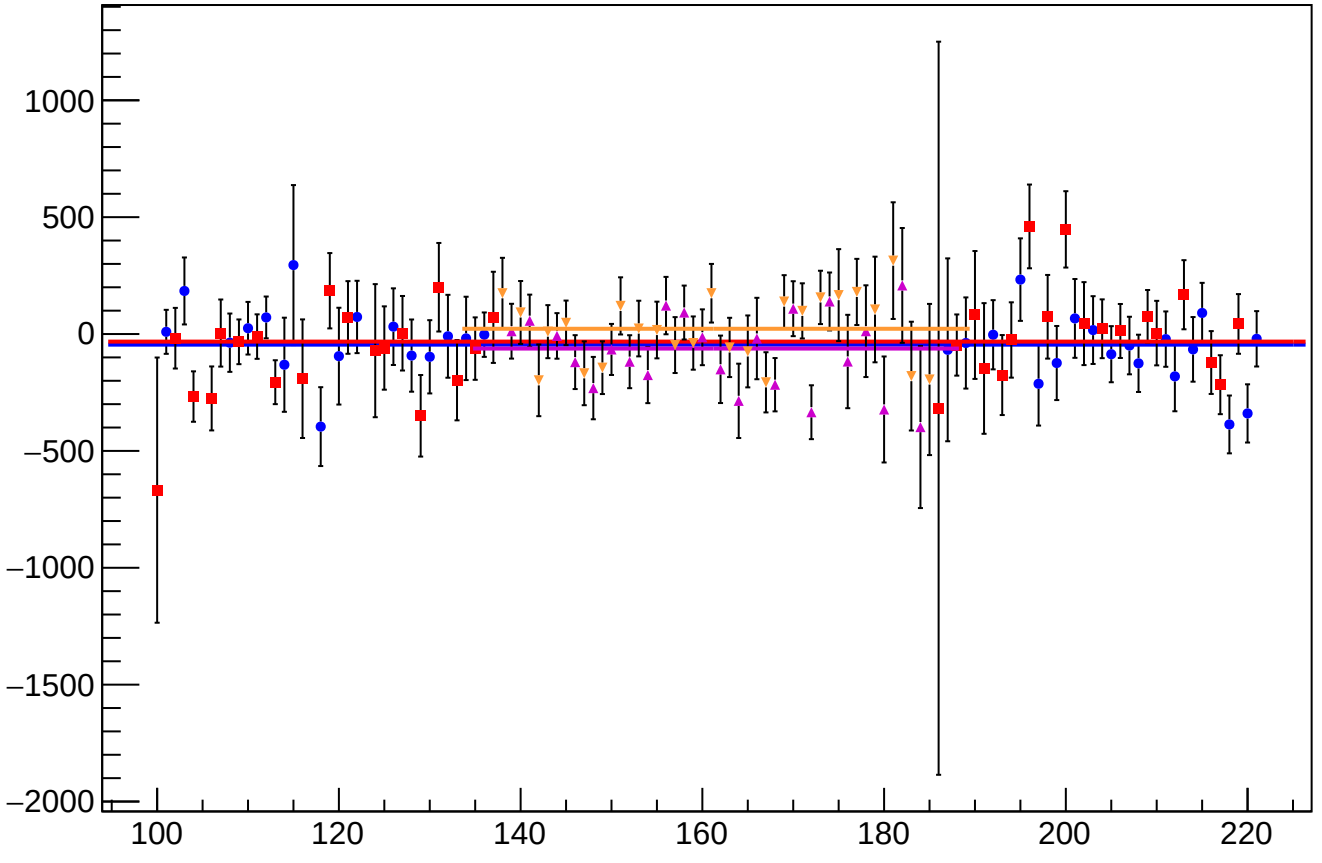
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 752.205+/-0.088 χ^2/NDF: 8737657.4/58

All: 744.645+/-0.062 χ^2/NDF: 18605394.7/11

- sign 736.934+/-0.089 χ^2/NDF: 9852711.0/59

dit_asym_sam_1548_avg_mean vs Slug



Right In: -45.364+/-23.880 χ^2/NDF: 31.9/33

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -32.365+/-24.088 χ^2/NDF: 45.5/36

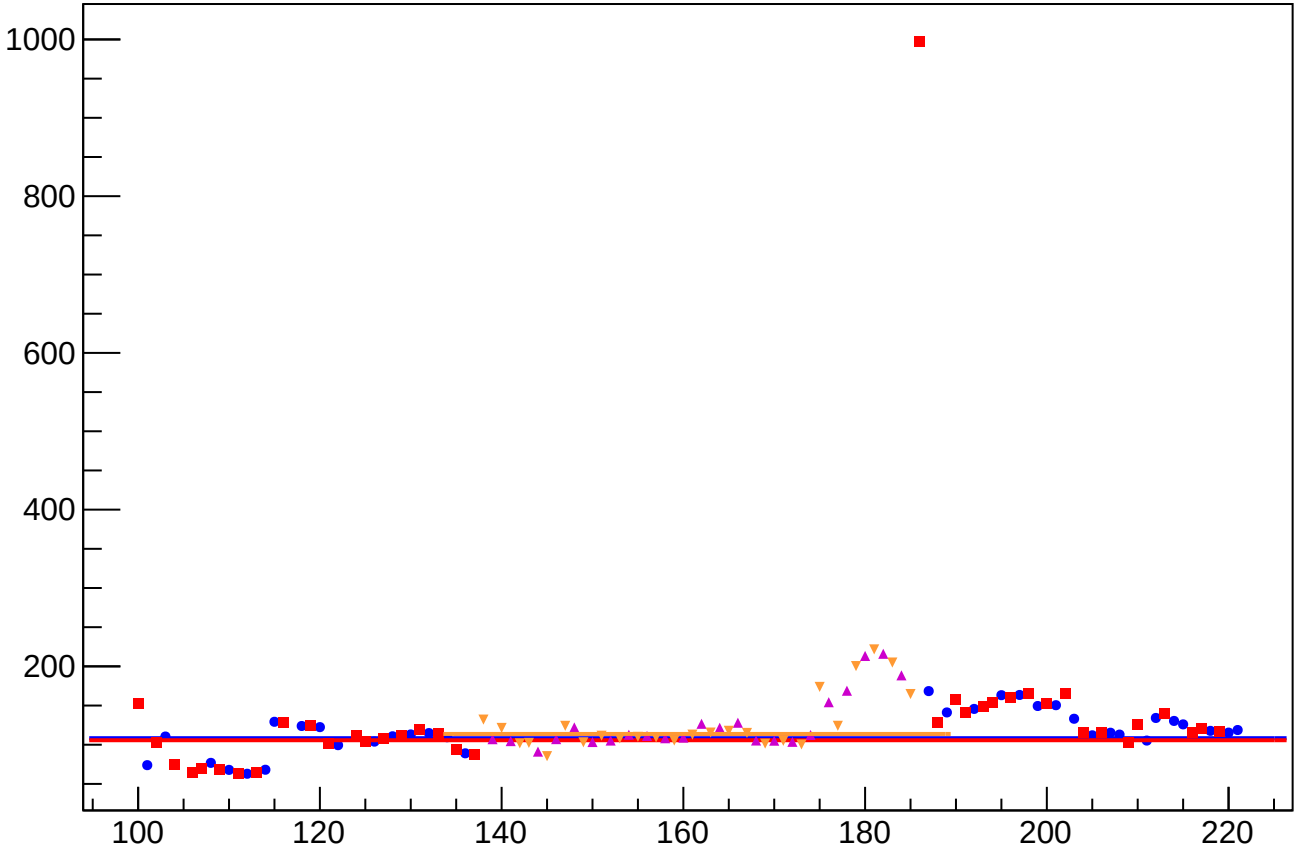
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -15.114+/-17.782 χ^2/NDF: 57.1/58

All: -30.007+/-12.676 χ^2/NDF: 132.0/118

- sign -45.390+/-18.073 χ^2/NDF: 73.5/59

dit_asym_sam_1548_avg_rms vs Slug



Right In: 108.340+/-0.017 χ^2/NDF: 2505270.2/33

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 105.740+/-0.017 χ^2/NDF: 3821603.0/36

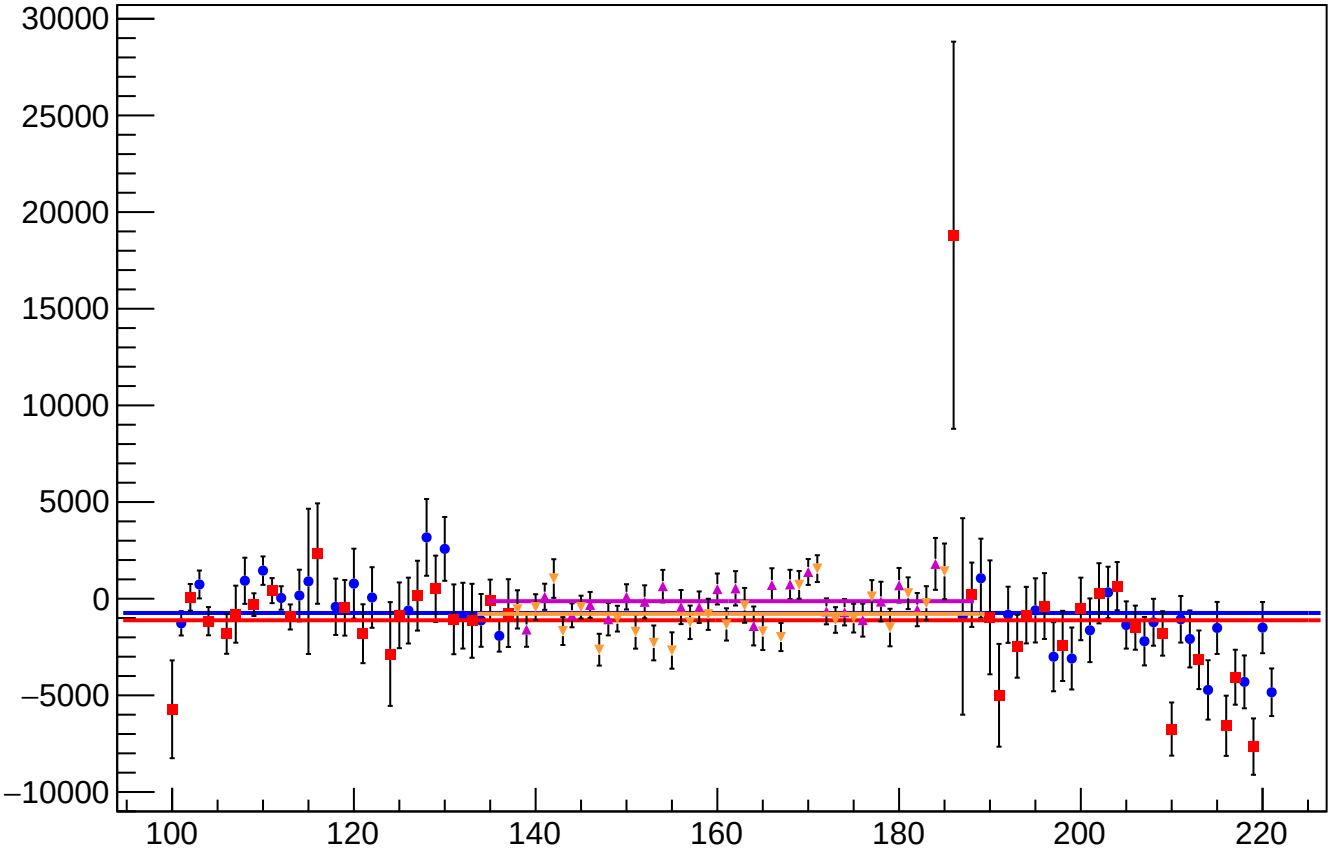
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 110.757+/-0.013 χ^2/NDF: 4131190.4/58

All: 109.995+/-0.009 χ^2/NDF: 9371199.0/118

- sign 109.208+/-0.013 χ^2/NDF: 5232547.2/59

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -739.031+/-206.336 χ^2/NDF: 62.5/33

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -1116.177+/-201.581 χ^2/NDF: 86.1/36

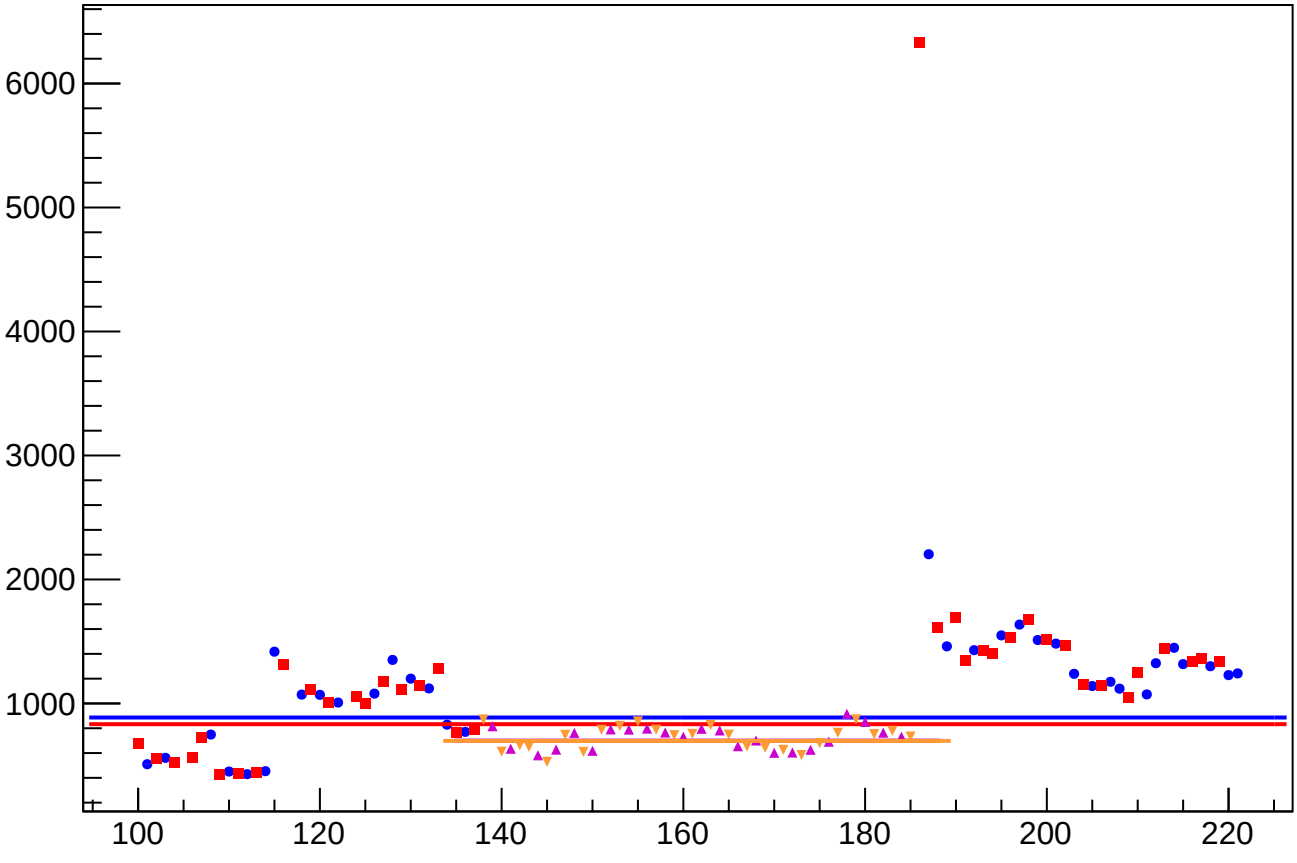
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -767.229+/-126.677 χ^2/NDF: 108.0/58

All: -647.320+/-89.968 χ^2/NDF: 233.0/118

- sign -525.278+/-127.799 χ^2/NDF: 123.2/59

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 886.661+/-0.146 χ^2/NDF: 6981204.8/33

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683270.9/36

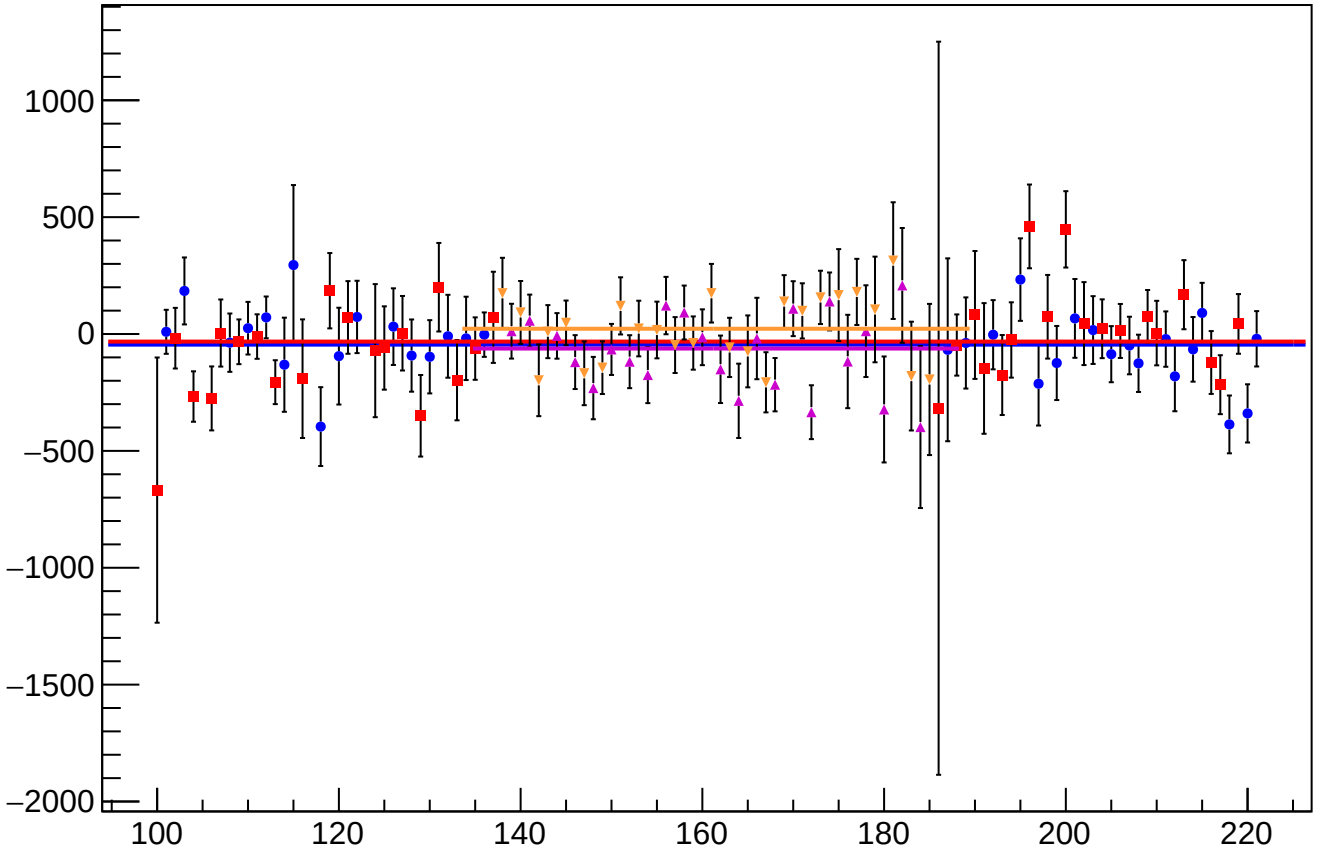
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 769.257+/-0.090 χ^2/NDF: 8735089.3/58

All: 761.401+/-0.064 χ^2/NDF: 18536337.7/11

- sign 753.406+/-0.090 χ^2/NDF: 9785727.5/59

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -45.362+/-23.880 χ^2/NDF: 31.9/33

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -32.362+/-24.088 χ^2/NDF: 45.5/36

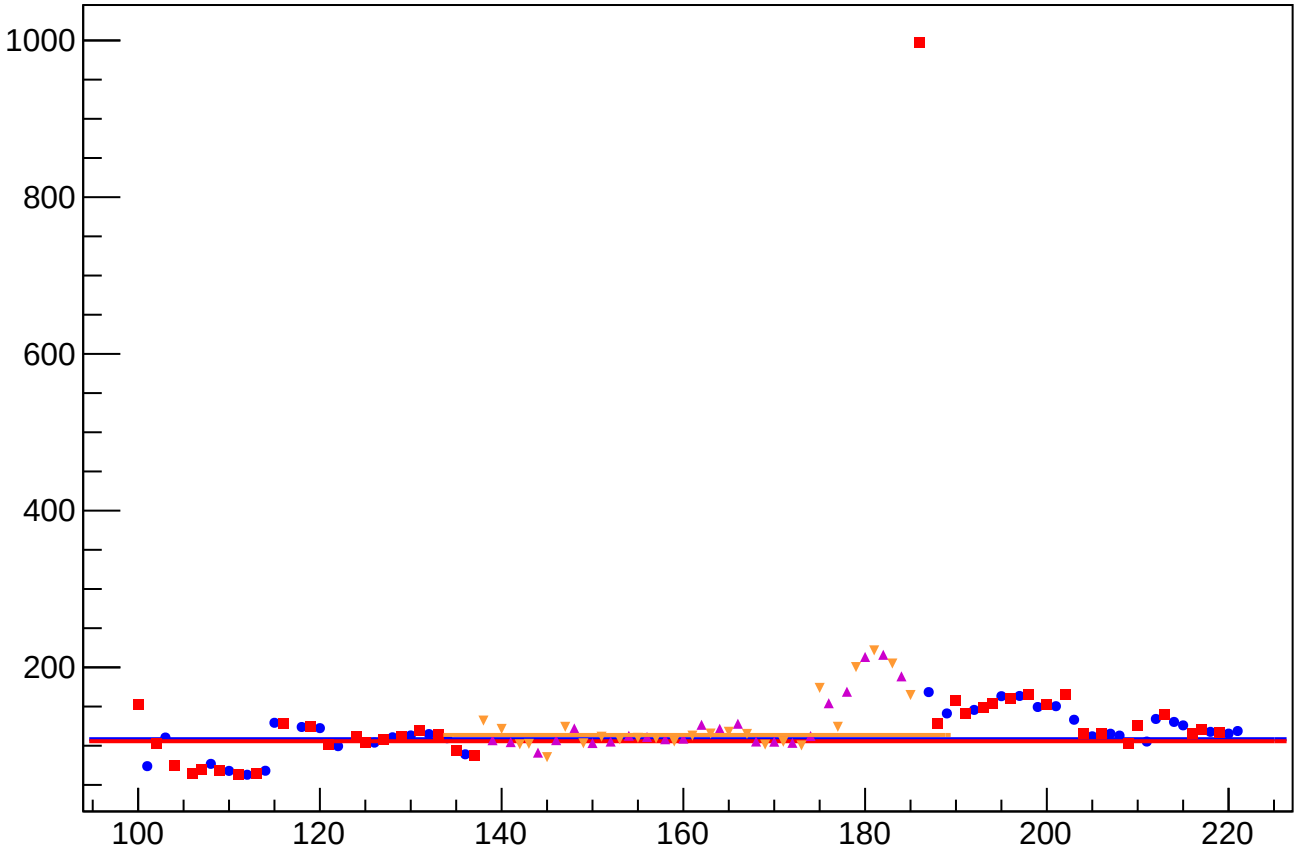
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

\+ sign -15.113+/-17.782 χ^2/NDF: 57.1/58

All: -30.005+/-12.676 χ^2/NDF: 132.0/118

\- sign -45.389+/-18.073 χ^2/NDF: 73.5/59

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 108.340+/-0.017 χ^2/NDF: 2505246.6/33

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

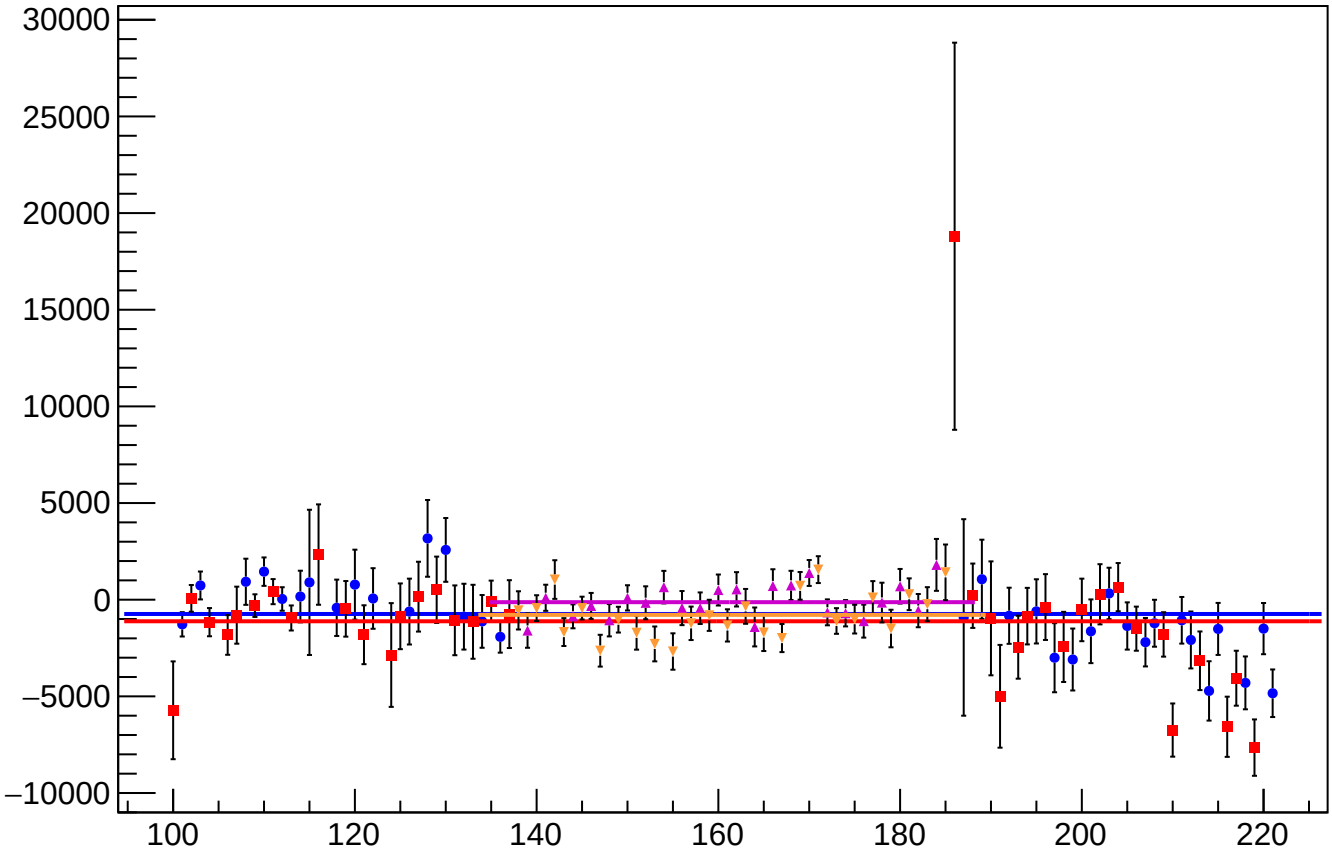
Right Out: 105.740+/-0.017 χ^2/NDF: 3821599.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 110.757+/-0.013 χ^2/NDF: 4131161.7/58

All: 109.995+/-0.009 χ^2/NDF: 9371151.2/118

- sign 109.208+/-0.013 χ^2/NDF: 5232528.4/59



Right In: -739.030+/-206.336 χ^2/NDF: 62.5/33

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

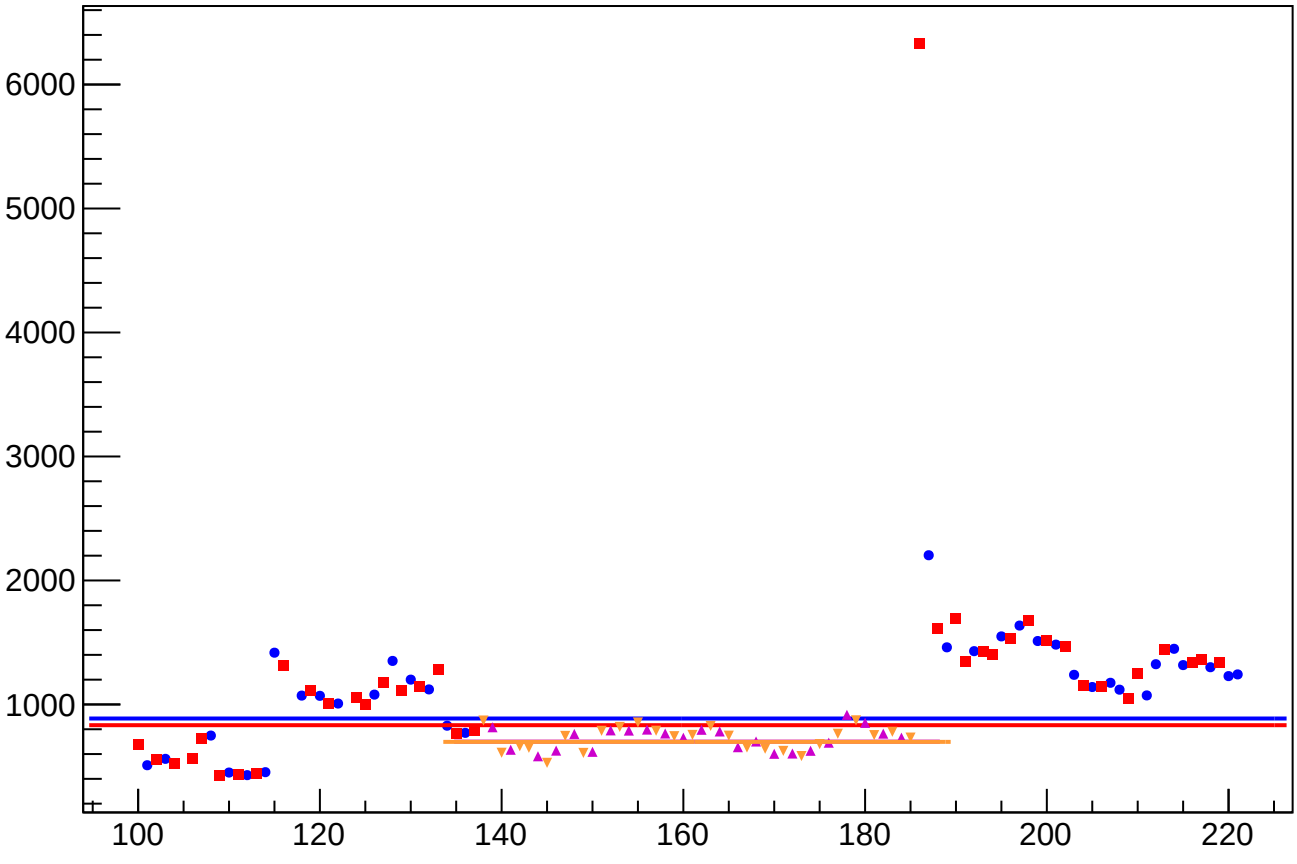
Right Out: -1116.175+/-201.580 χ^2/NDF: 86.1/36

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -767.227+/-126.677 χ^2/NDF: 108.0/58

All: -647.319+/-89.968 χ^2/NDF: 233.0/118

- sign -525.277+/-127.799 χ^2/NDF: 123.2/59



Right In: 886.660+/-0.146 χ^2/NDF: 6981202.5/33

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683265.5/36

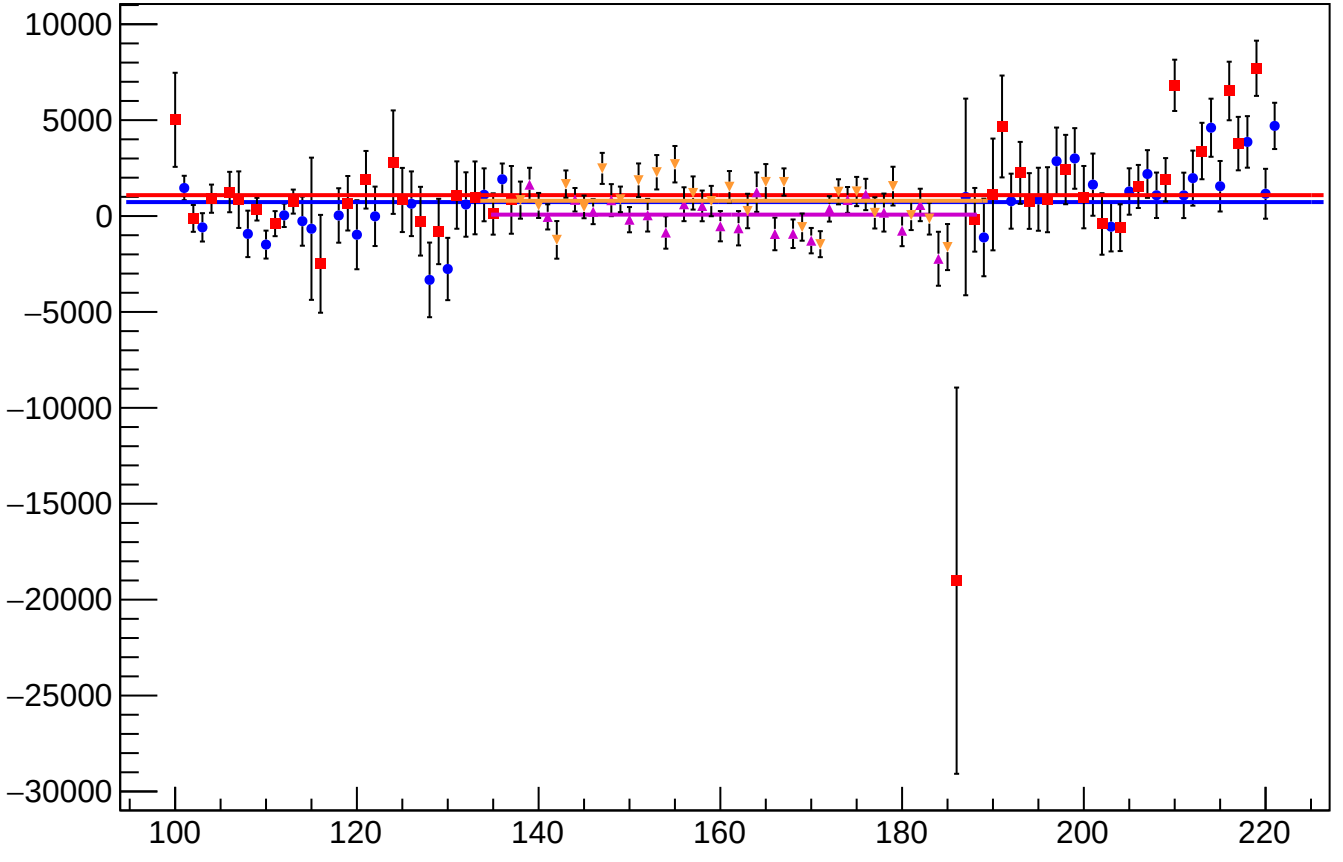
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 769.257+/-0.090 χ^2/NDF: 8735084.7/58

All: 761.401+/-0.064 χ^2/NDF: 18536321.6/1

- sign 753.405+/-0.090 χ^2/NDF: 9785716.3/59

asym_sam_1548_avg_mean vs Slug



Right In: 727.602+/-205.195 χ^2/NDF: 61.7/33

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 1089.444+/-200.780 χ^2/NDF: 87.4/36

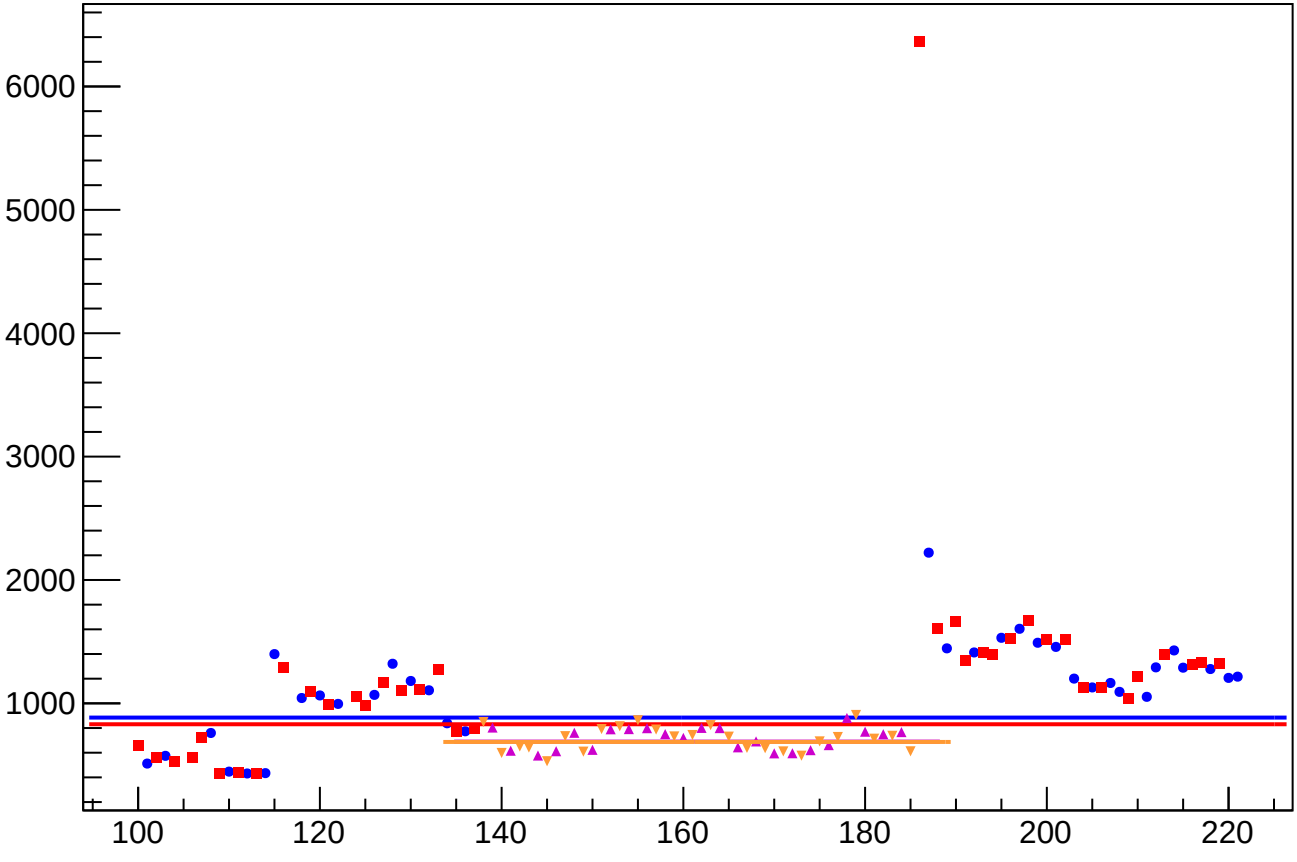
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 771.080+/-125.259 χ^2/NDF: 108.2/58

All: 625.346+/-89.004 χ^2/NDF: 238.7/118

- sign 476.728+/-126.491 χ^2/NDF: 127.7/59

asym_sam_1548_avg_rms vs Slug



Right In: 884.707+/-0.145 χ^2/NDF: 6702276.8/33

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

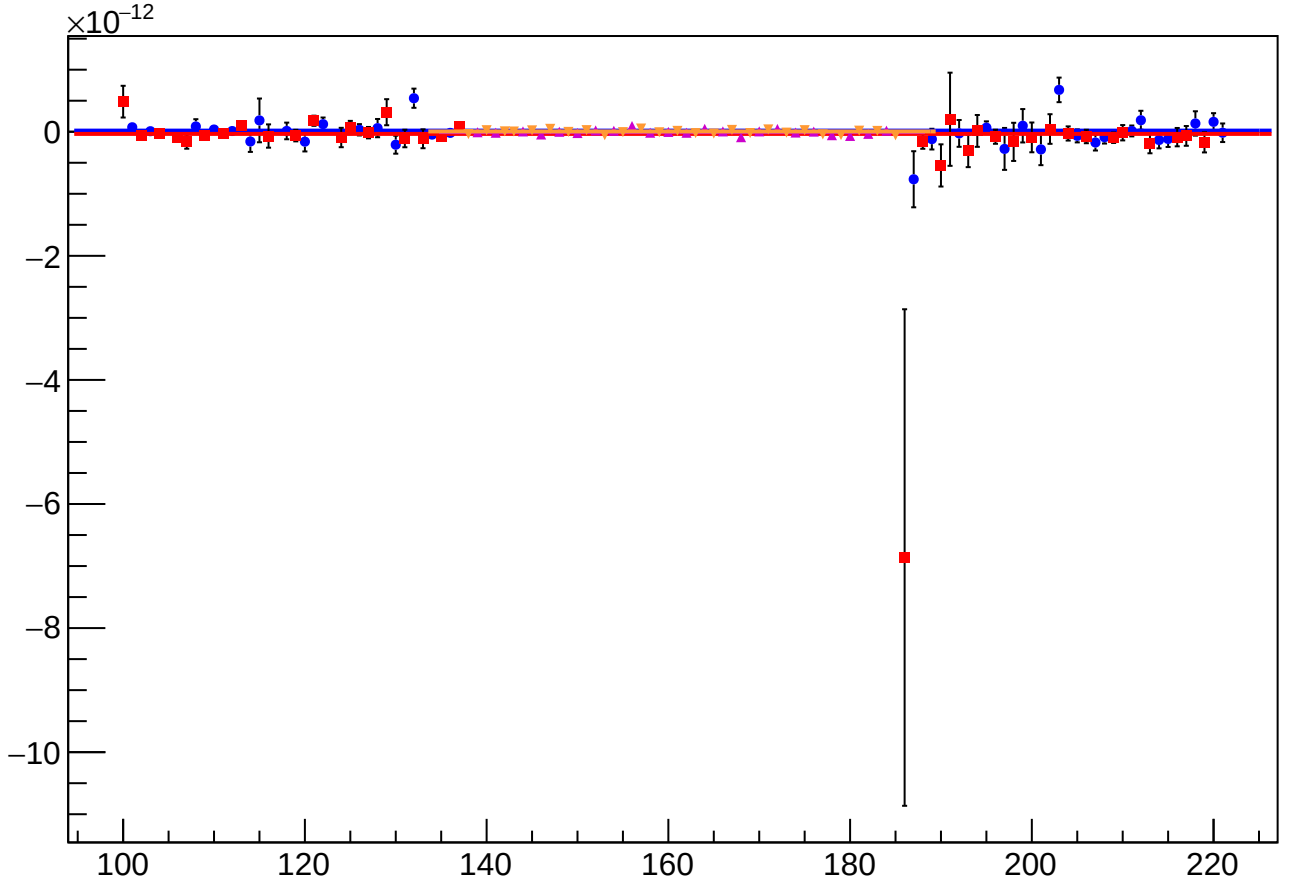
Right Out: 830.605+/-0.142 χ^2/NDF: 8540808.5/36

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 760.825+/-0.089 χ^2/NDF: 8592239.5/58

All: 753.388+/-0.063 χ^2/NDF: 18305938.7/11

- sign 745.804+/-0.089 χ^2/NDF: 9699460.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 49.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/36

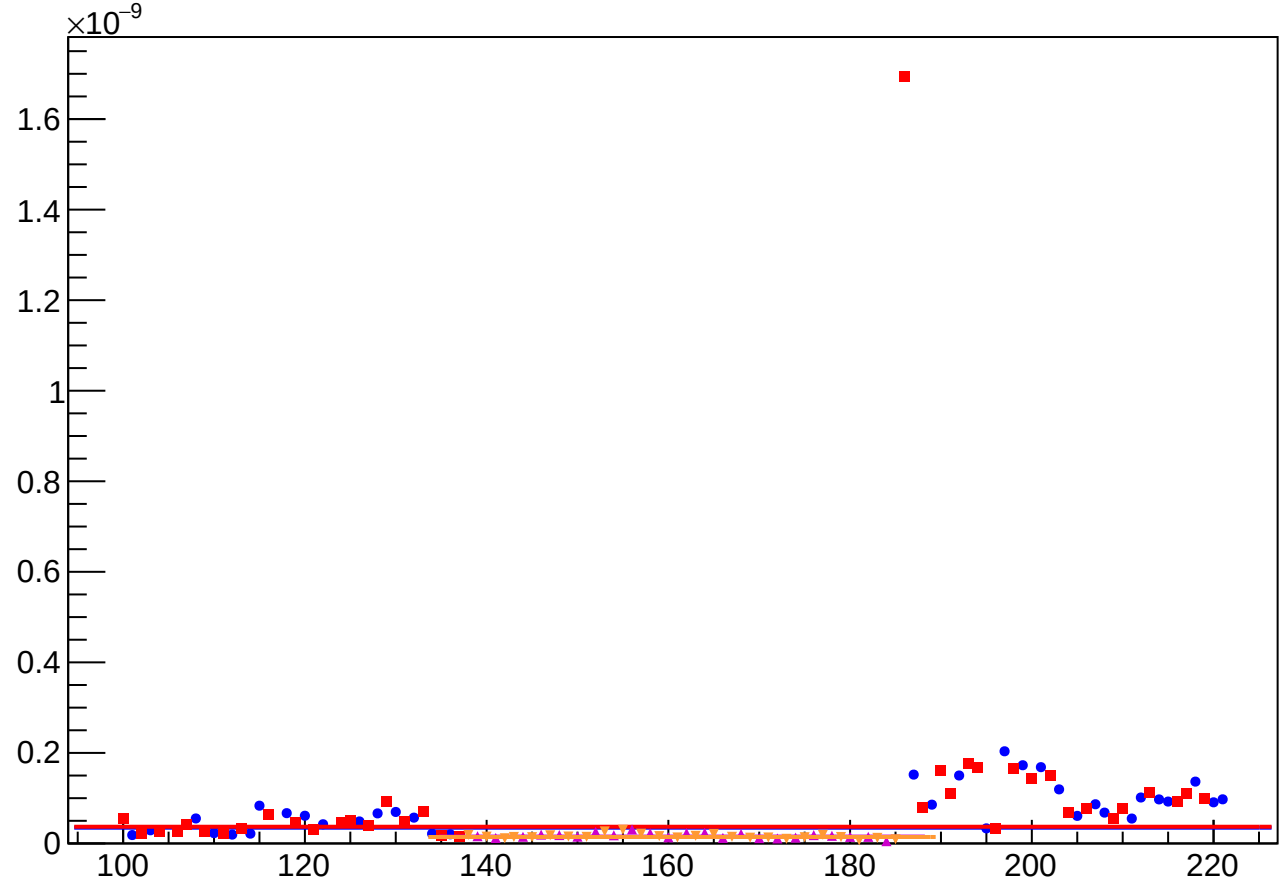
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.6/58

All: -0.000+/-0.000 χ^2/NDF: 143.8/118

- sign -0.000+/-0.000 χ^2/NDF: 66.4/59

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8131349.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944469.4/36

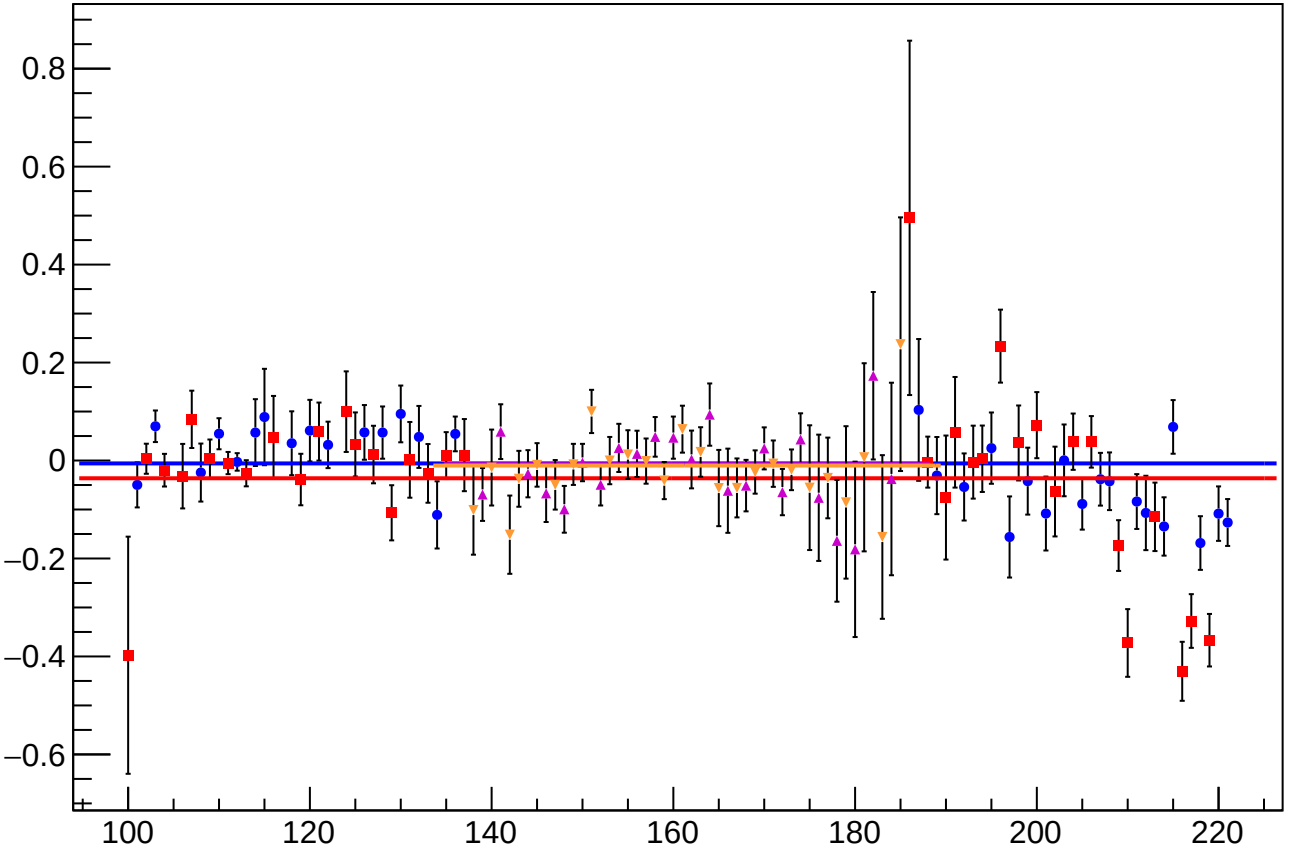
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12907448.5/58

All: 0.000+/-0.000 χ^2/NDF: 24663172.4/118

- sign 0.000+/-0.000 χ^2/NDF: 11715669.8/59

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.036+/-0.009 χ^2/NDF: 188.0/36

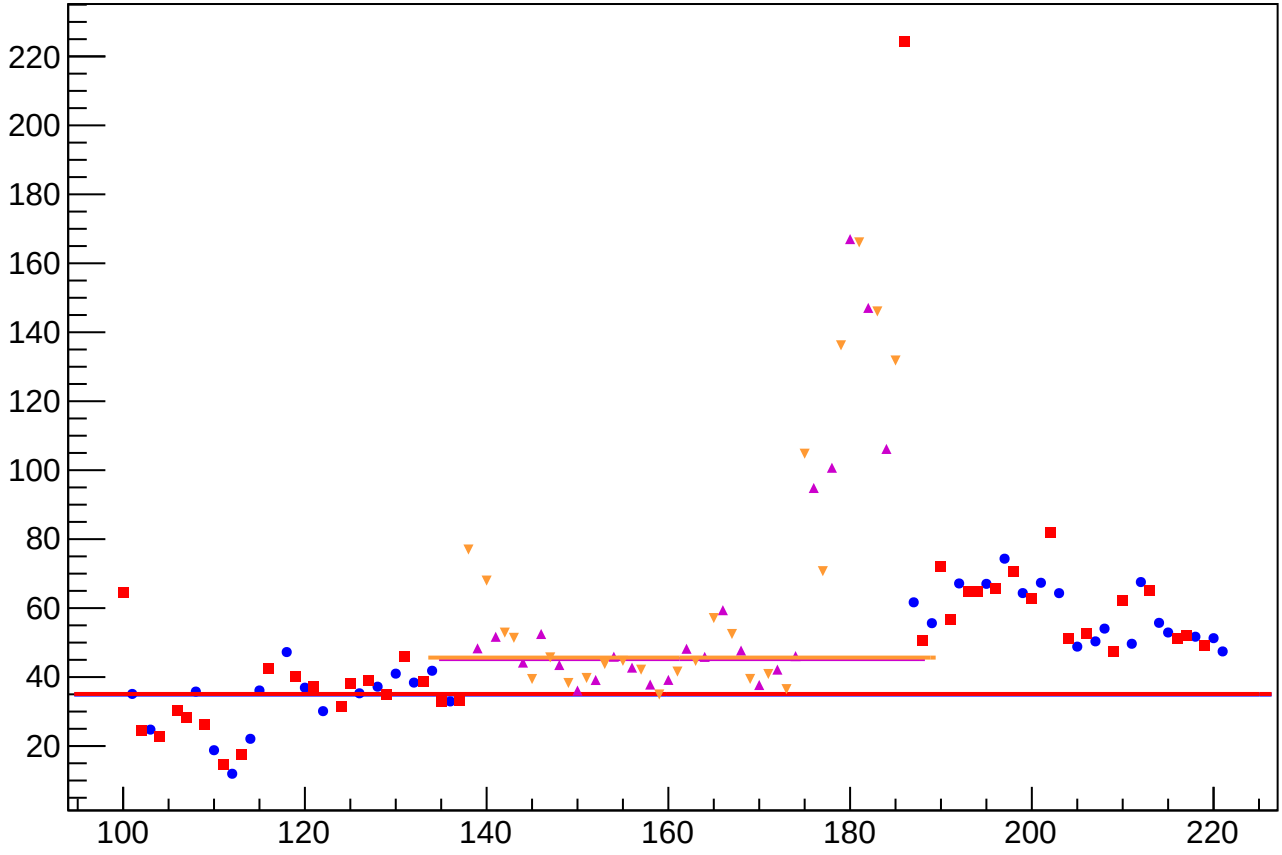
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.016+/-0.005 χ^2/NDF: 301.7/118

- sign -0.026+/-0.007 χ^2/NDF: 215.3/59

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.929+/-0.006 χ^2/NDF: 8776549.7/33

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

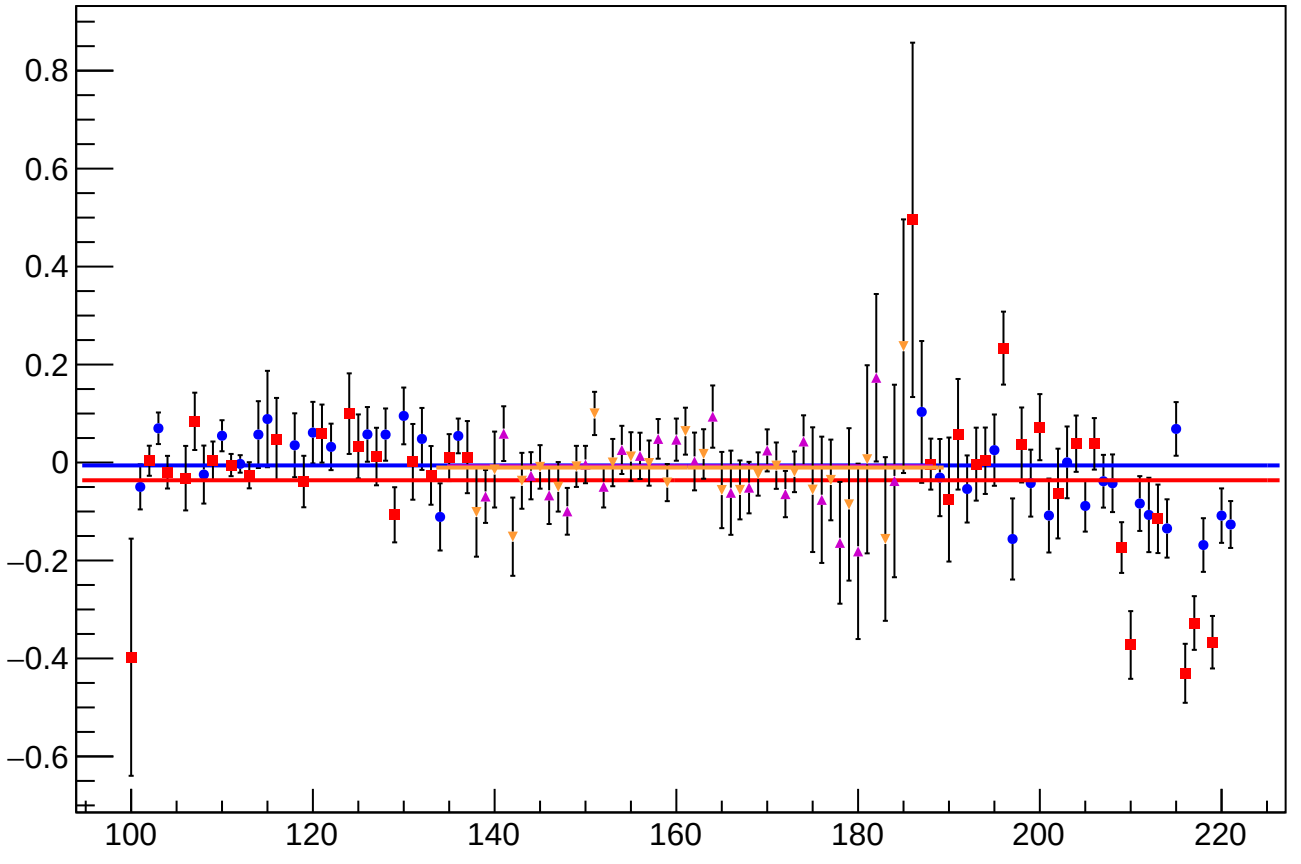
Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945289.9/58

All: 38.803+/-0.003 χ^2/NDF: 26166919.4/118

- sign 38.795+/-0.005 χ^2/NDF: 12221623.8/59



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

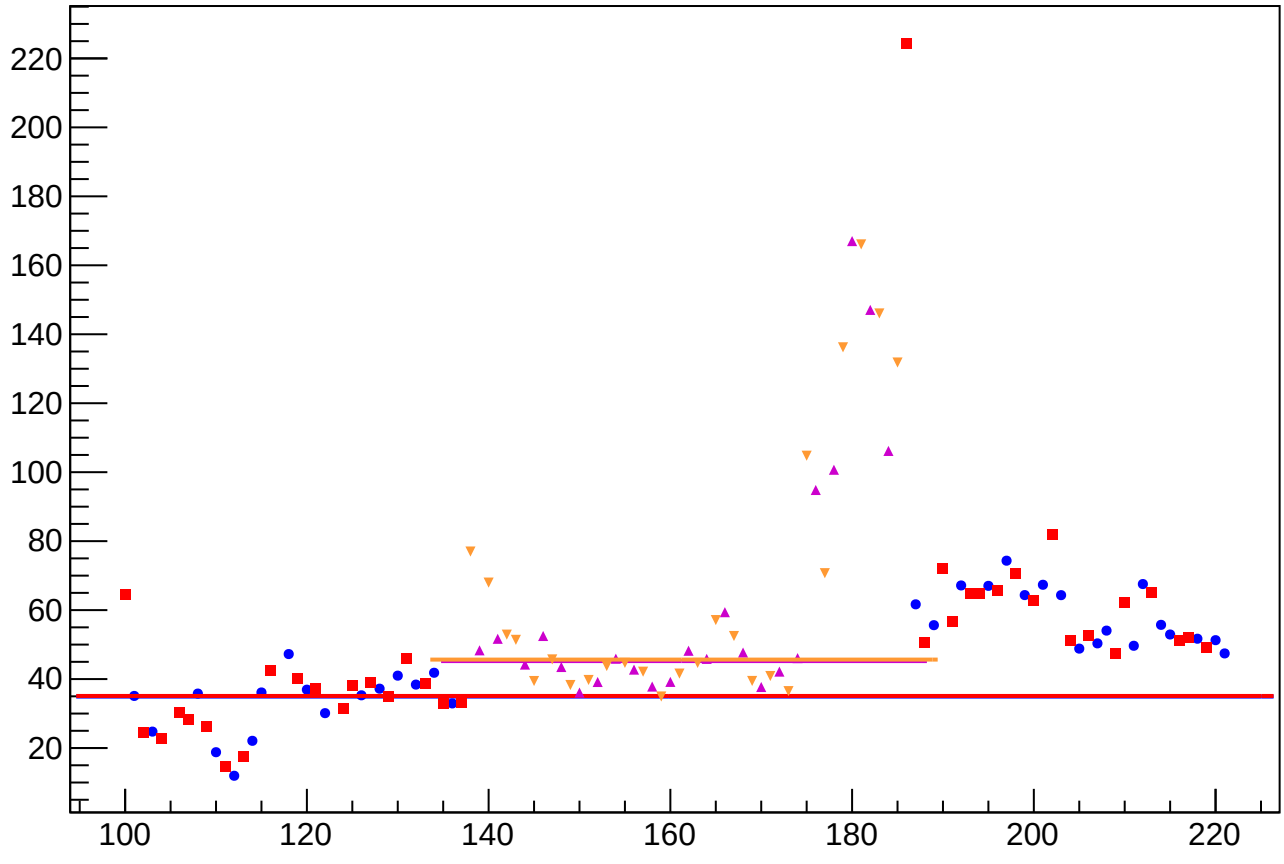
Right Out: -0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.016+/-0.005 χ^2/NDF: 301.7/118

- sign -0.026+/-0.007 χ^2/NDF: 215.3/59



Right In: 34.929+/-0.006 χ^2/NDF: 8776549.7/33

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

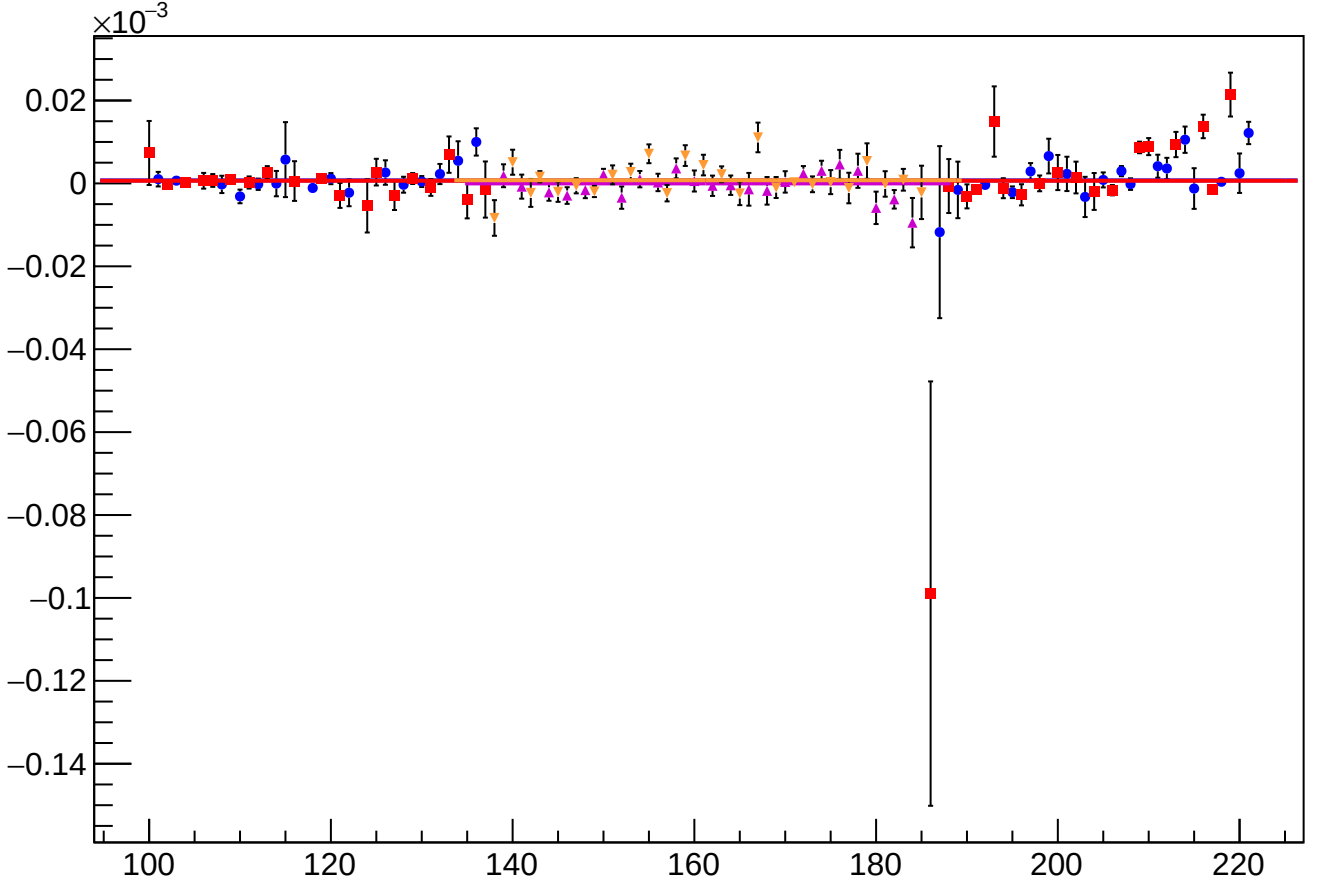
Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945289.9/58

All: 38.803+/-0.003 χ^2/NDF: 26166919.4/118

- sign 38.795+/-0.005 χ^2/NDF: 12221623.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 64.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

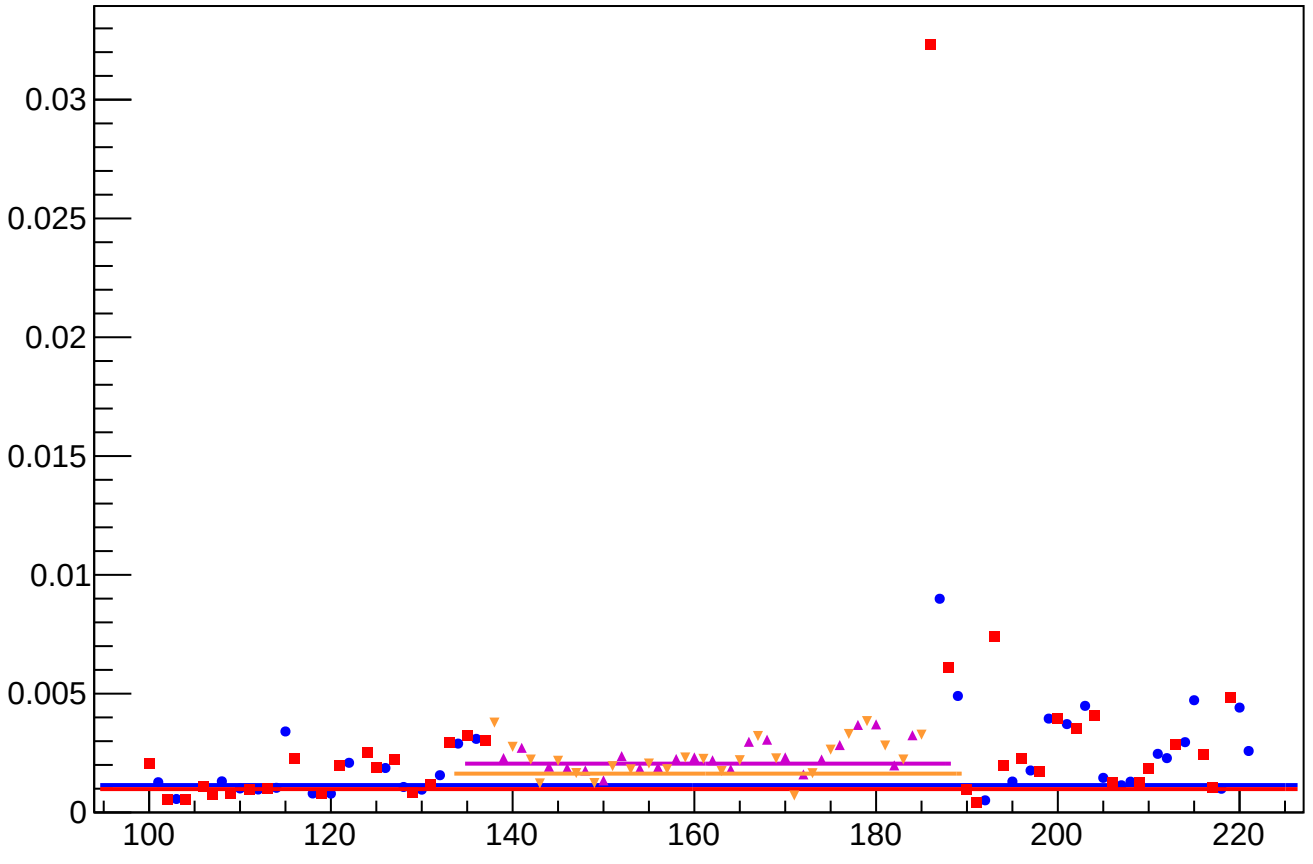
Right Out: 0.000+/-0.000 χ^2/NDF: 131.5/36

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 110.7/58

All: 0.000+/-0.000 χ^2/NDF: 268.4/118

- sign 0.000+/-0.000 χ^2/NDF: 157.2/59



Right In: 0.001+/-0.000 χ^2/NDF: 11770717.7/33

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

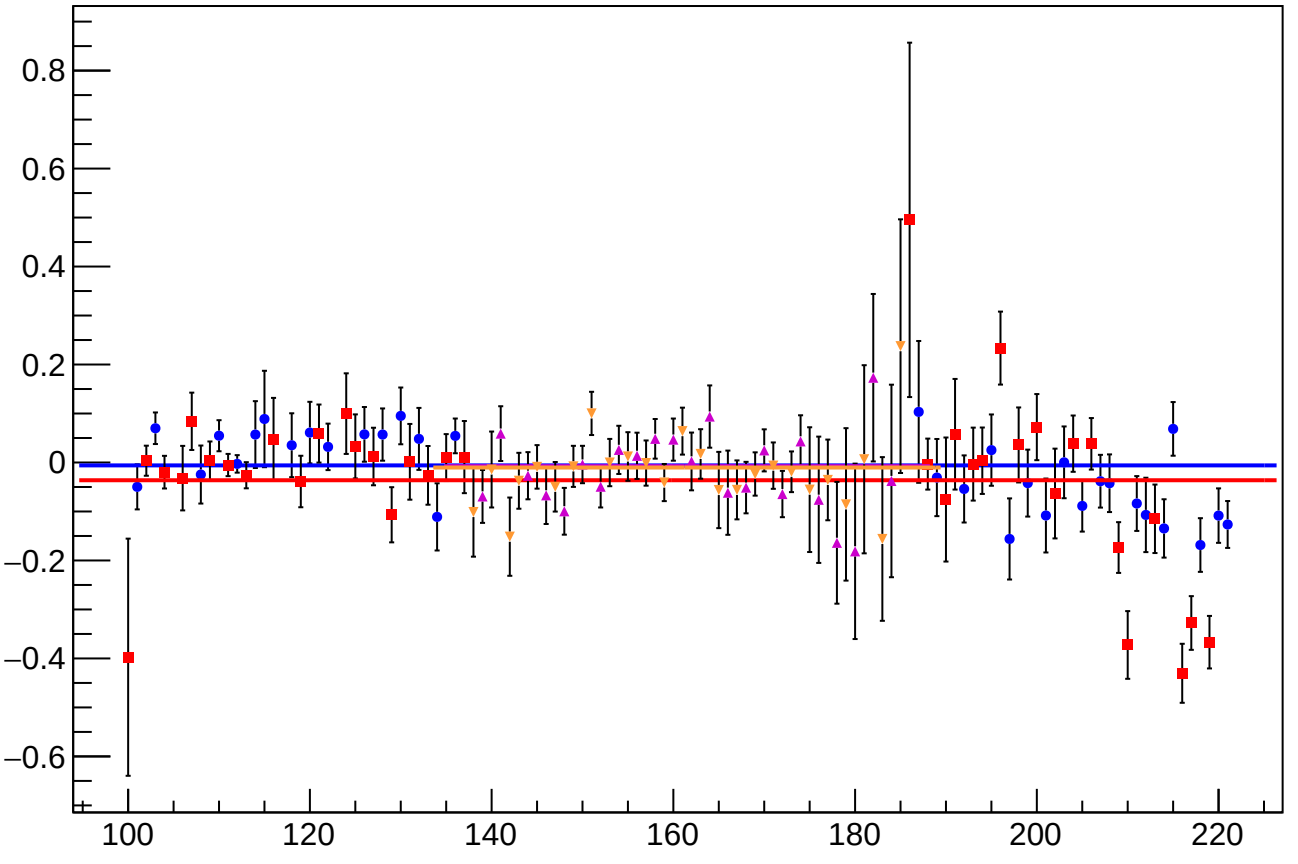
Right Out: 0.001+/-0.000 χ^2/NDF: 14856527.4/36

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 20037507.1/58

All: 0.001+/-0.000 χ^2/NDF: 44211778.0/118

- sign 0.001+/-0.000 χ^2/NDF: 24017171.1/59



Right In: -0.006+/-0.008 χ^2/NDF: 64.6/33

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

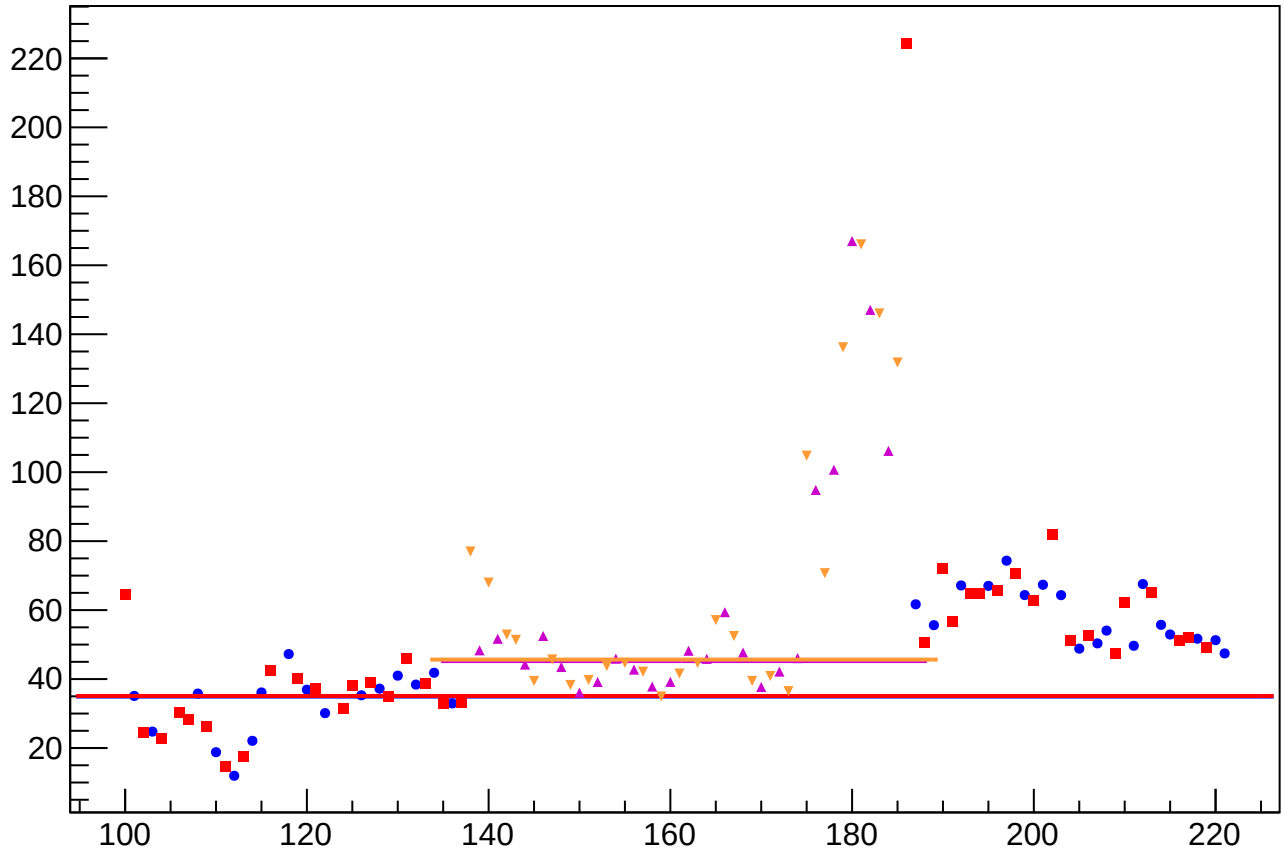
Right Out: -0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 82.8/58

All: -0.016+/-0.005 χ^2/NDF: 301.7/118

- sign -0.026+/-0.007 χ^2/NDF: 215.3/59



Right In: 34.928+/-0.006 χ^2/NDF: 8776831.9/33

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

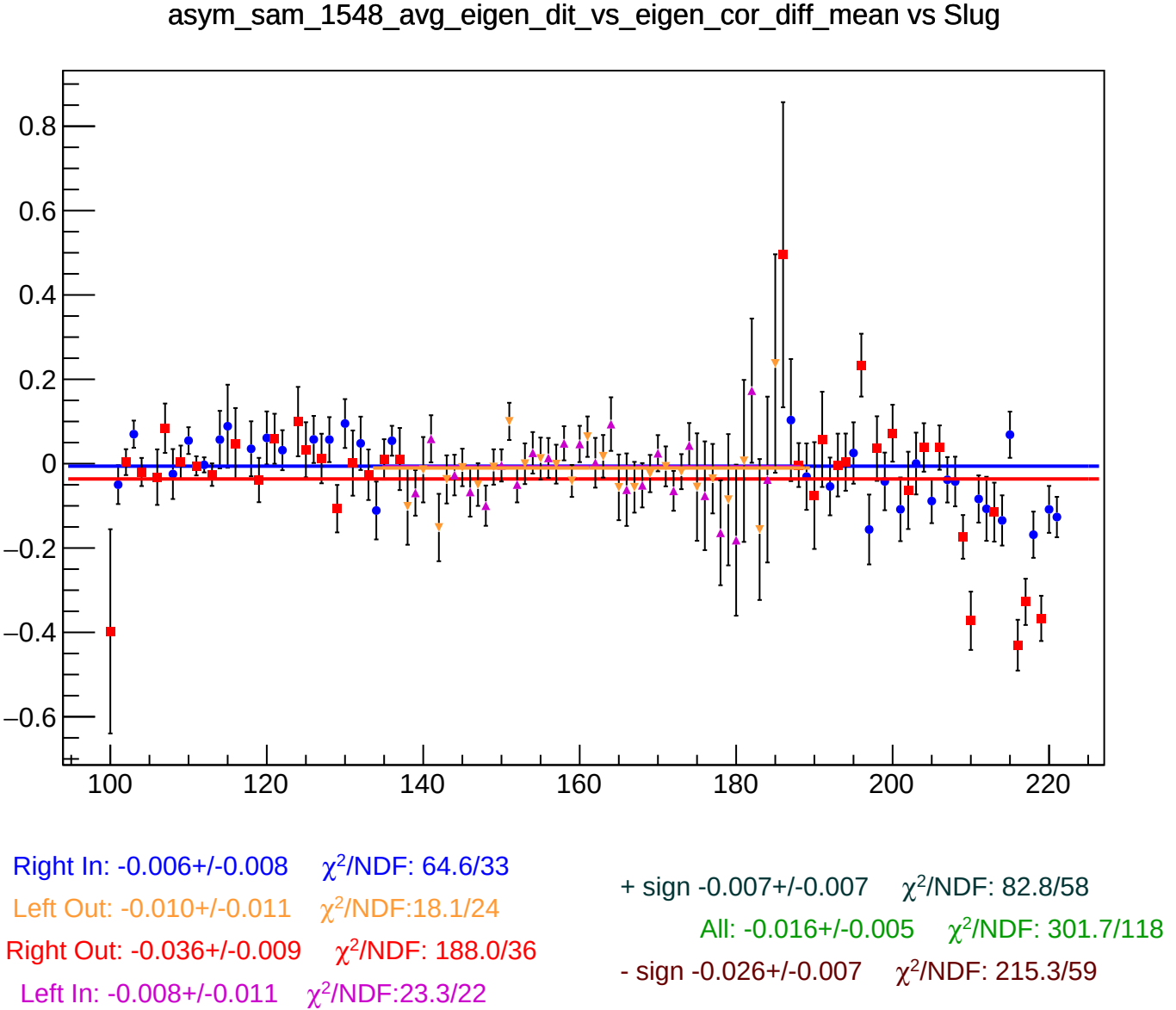
Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

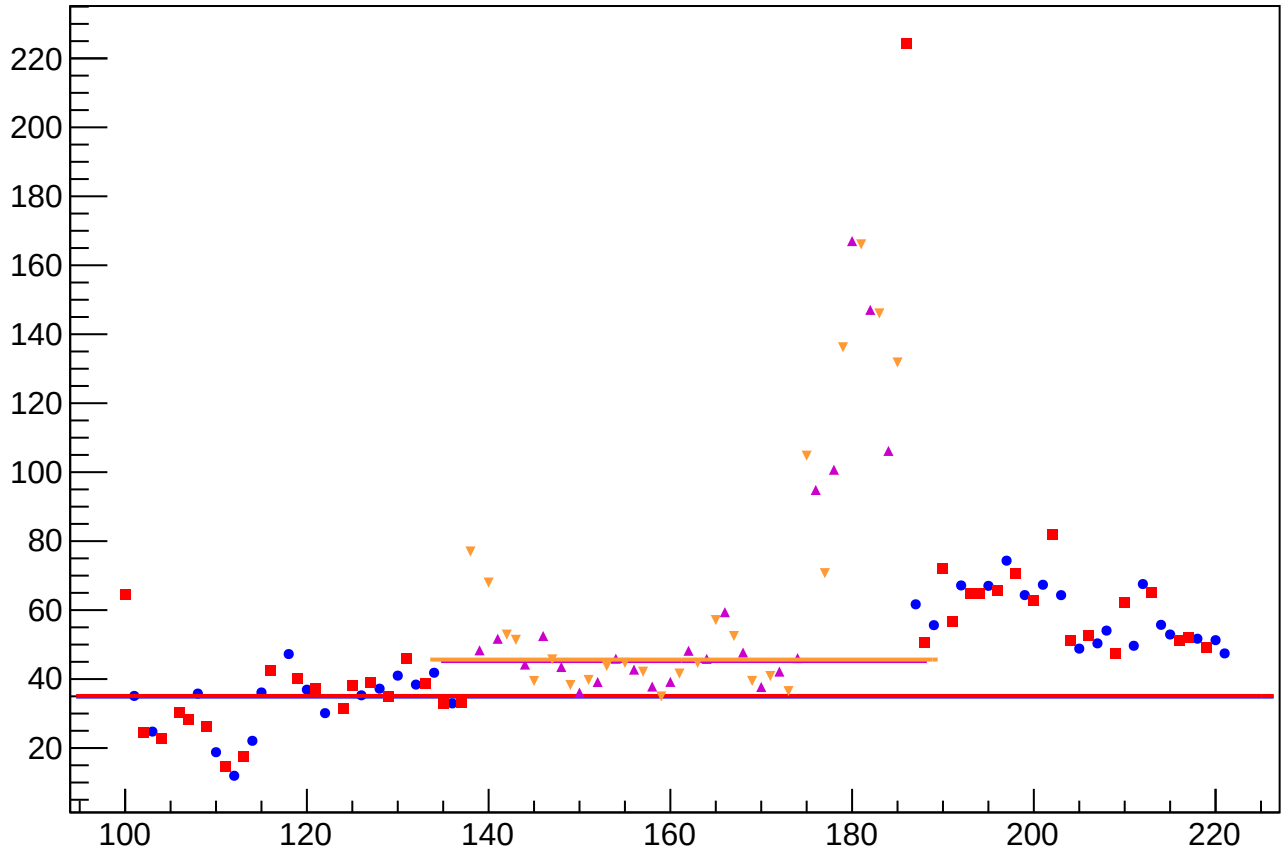
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945718.6/58

All: 38.803+/-0.003 χ^2/NDF: 26167677.5/118

- sign 38.795+/-0.005 χ^2/NDF: 12221953.3/59


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.006+/-0.008 χ²/NDF: 64.6/33
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.036+/-0.009 χ²/NDF: 188.0/36
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.007+/-0.007 χ²/NDF: 82.8/58
All: -0.016+/-0.005 χ²/NDF: 301.7/118
- sign -0.026+/-0.007 χ²/NDF: 215.3/59



Right In: 34.928+/-0.006 χ^2/NDF: 8776831.9/33

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

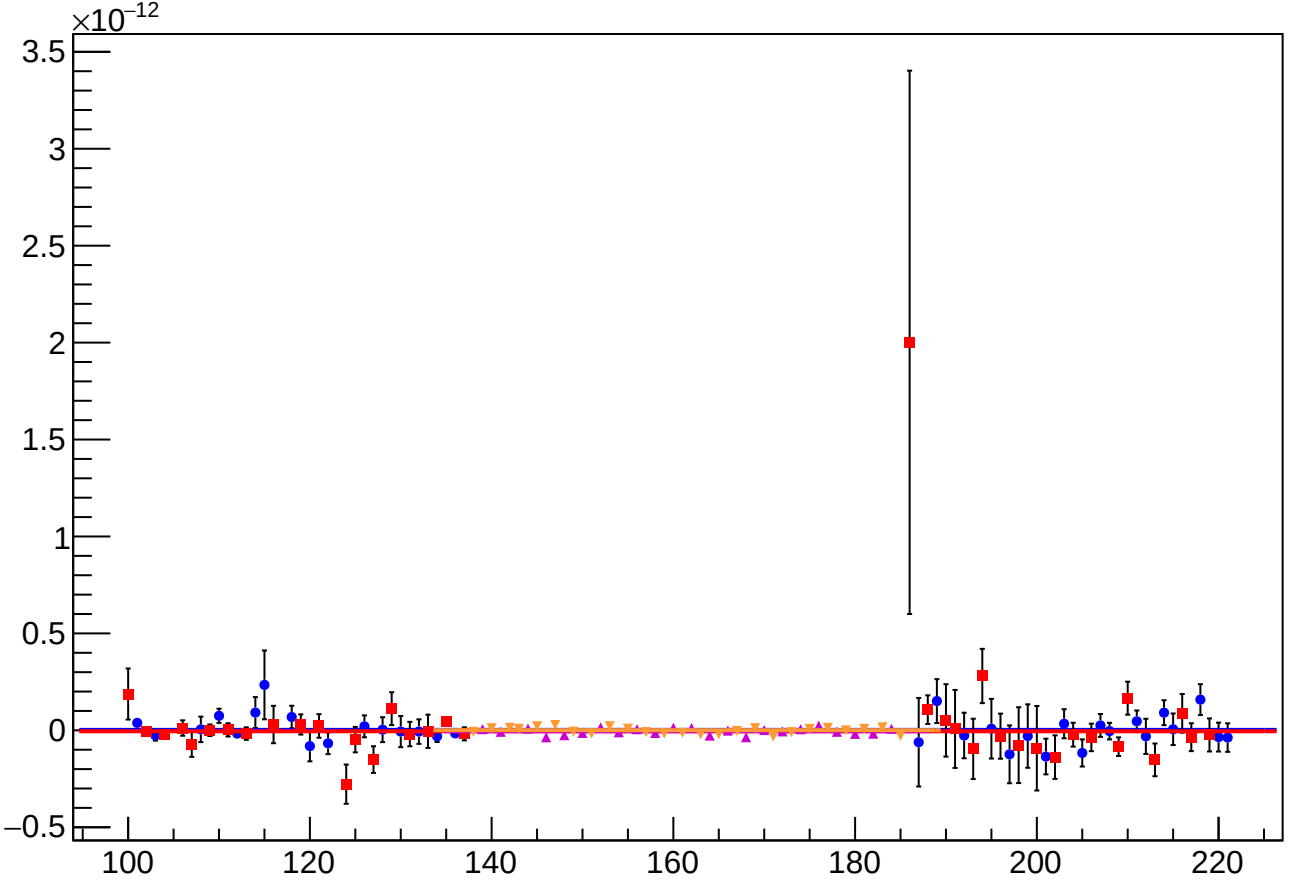
Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.811+/-0.005 χ^2/NDF: 13945718.6/58

All: 38.803+/-0.003 χ^2/NDF: 26167677.5/118

- sign 38.795+/-0.005 χ^2/NDF: 12221953.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

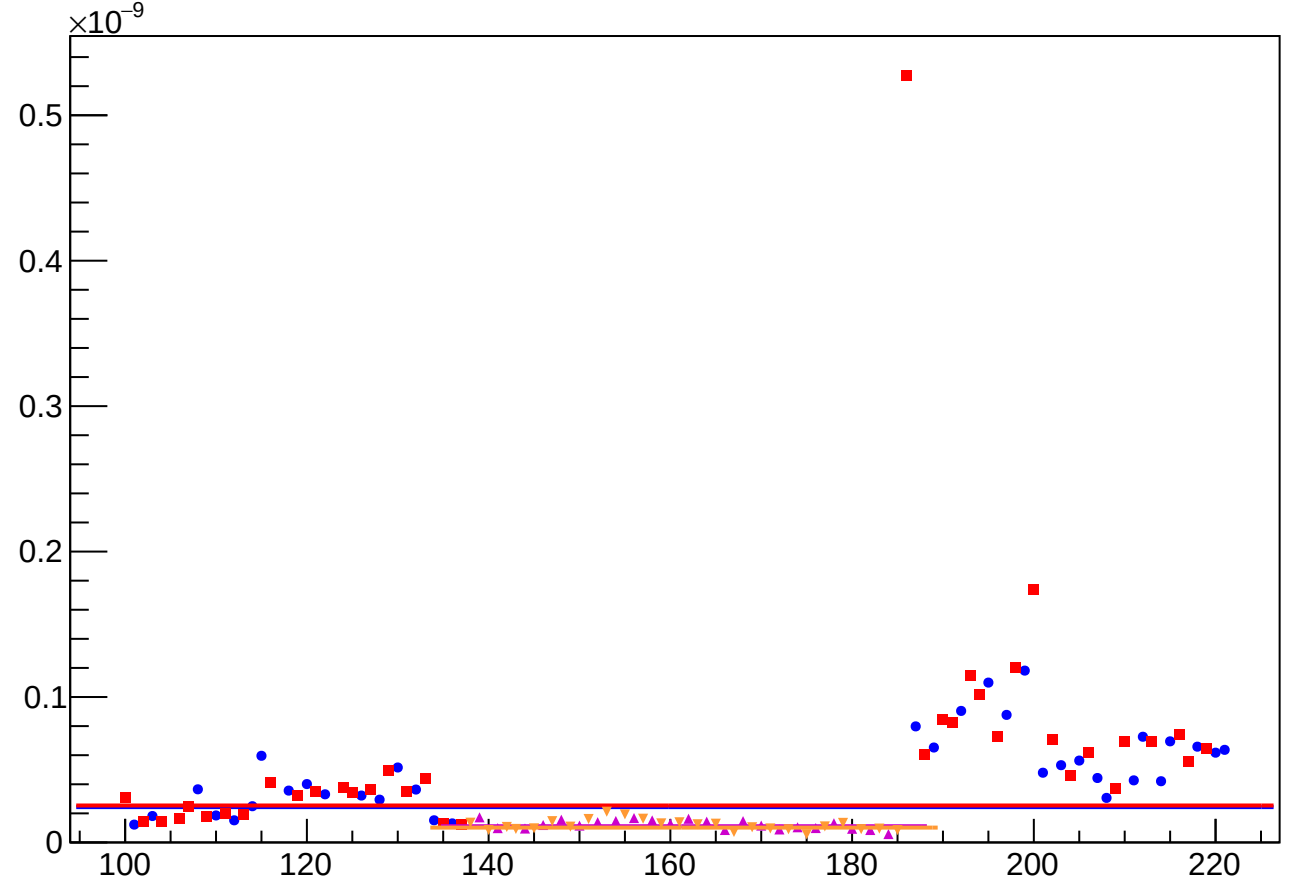
Right Out: -0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/58

All: -0.000+/-0.000 χ^2/NDF: 130.4/118

- sign -0.000+/-0.000 χ^2/NDF: 69.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 9934288.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10174736.0/36

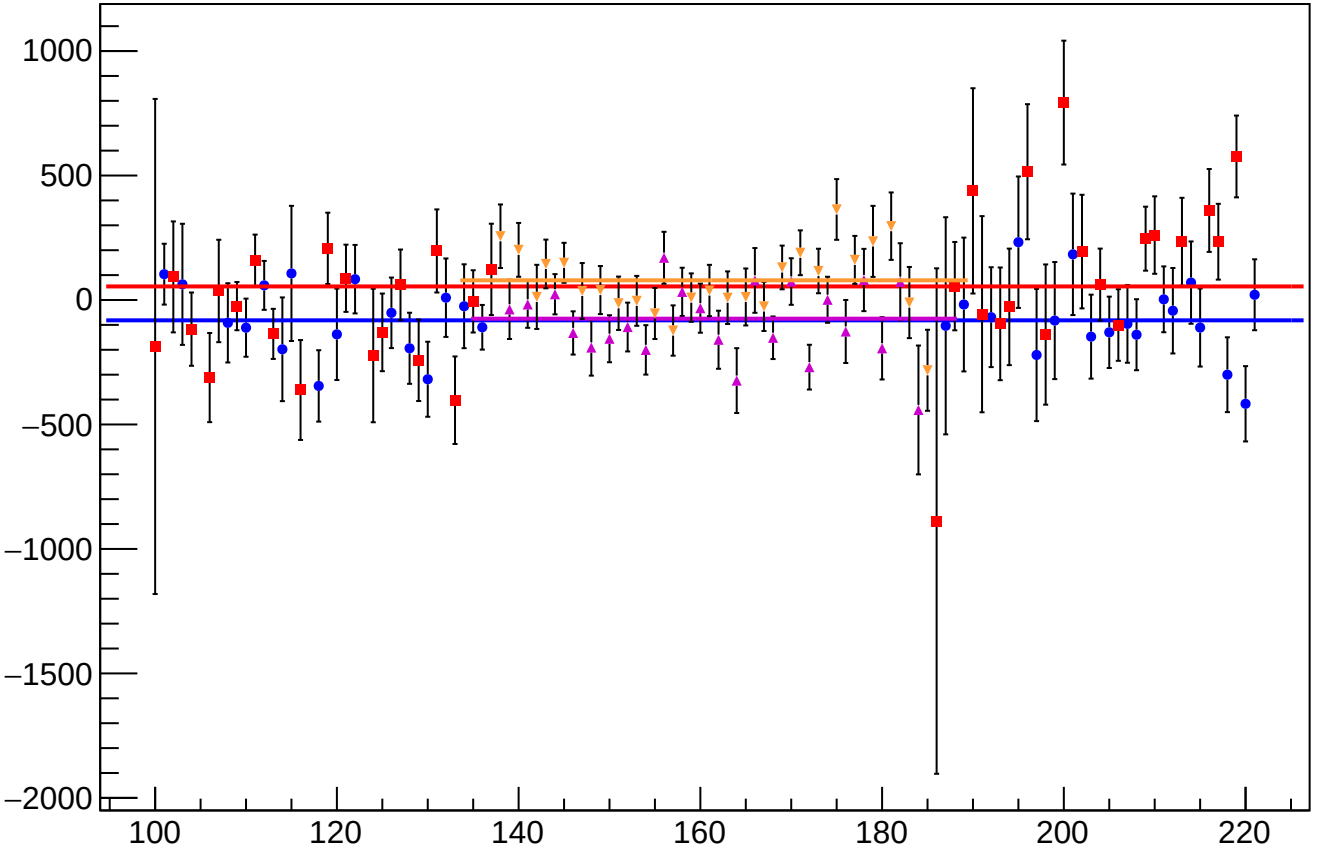
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17874734.8/58

All: 0.000+/-0.000 χ^2/NDF: 34738023.8/118

- sign 0.000+/-0.000 χ^2/NDF: 16734677.6/59

reg_asym_sam_3748_avg_mean vs Slug



Right In: -81.718+/-26.748 χ^2/NDF: 26.4/33

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 54.486+/-27.280 χ^2/NDF: 66.0/36

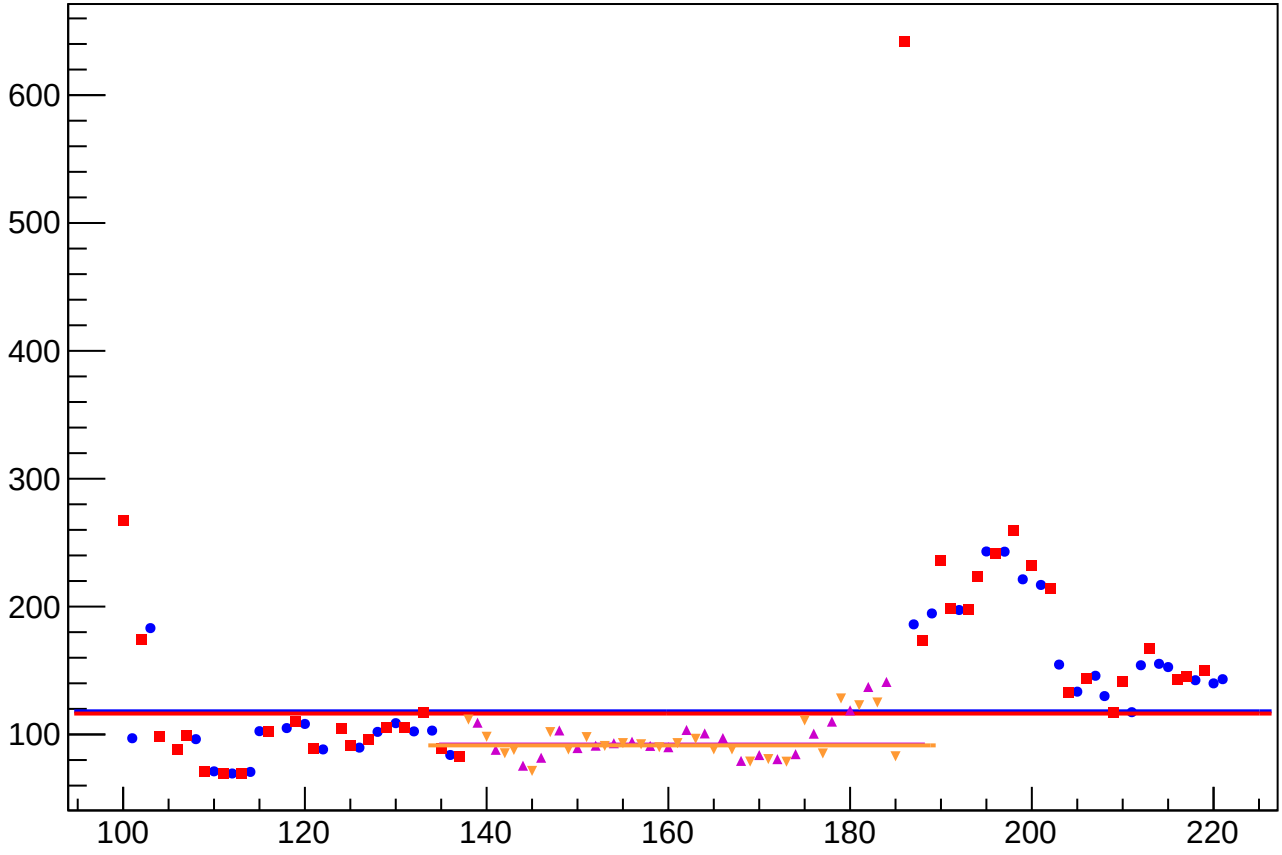
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 17.403+/-16.567 χ^2/NDF: 80.7/58

All: -2.931+/-11.881 χ^2/NDF: 196.1/118

- sign -24.462+/-17.048 χ^2/NDF: 112.4/59

reg_asym_sam_3748_avg_rms vs Slug



Right In: 118.089+/-0.019 χ^2/NDF: 4482835.5/33

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.347+/-0.019 χ^2/NDF: 5877136.7/36

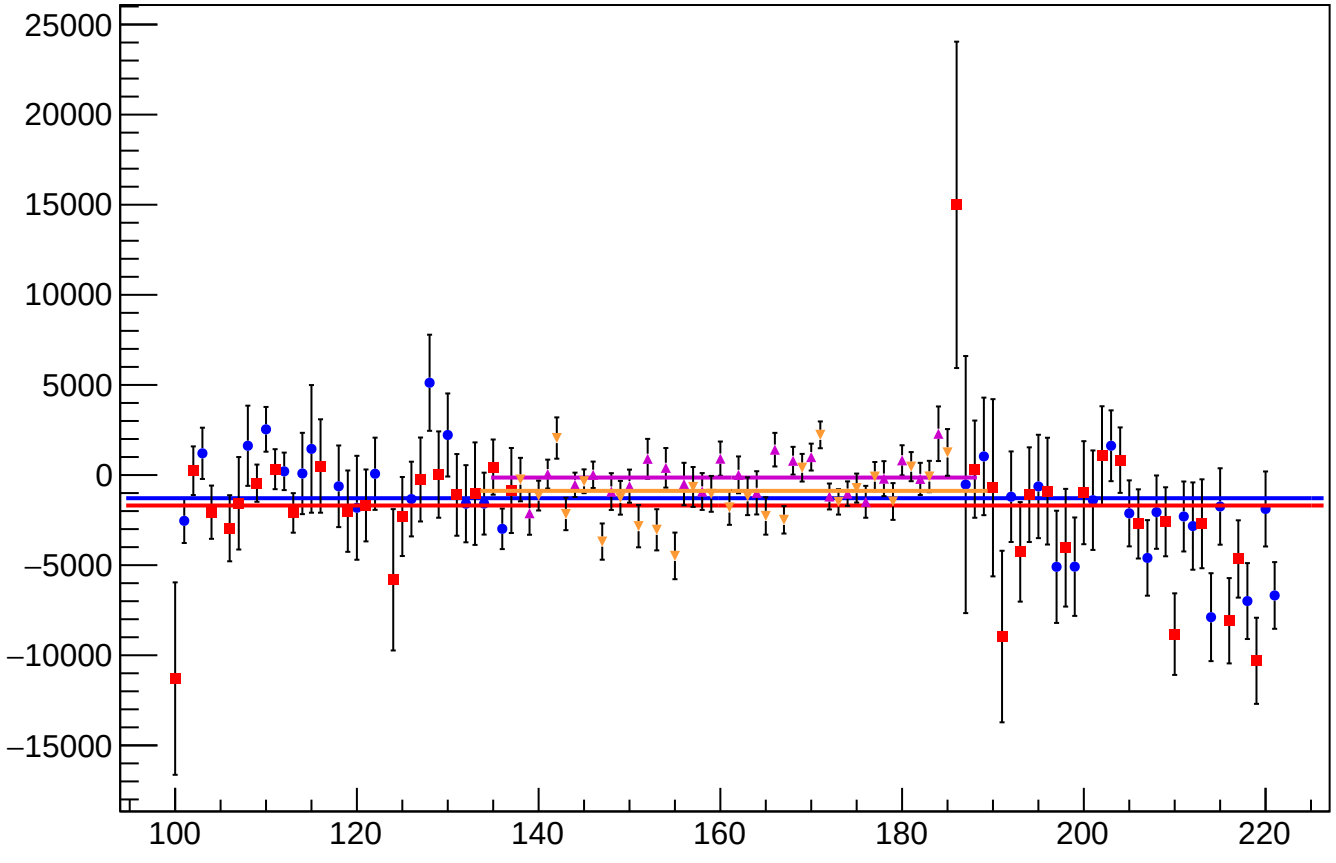
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.677+/-0.012 χ^2/NDF: 6455669.7/58

All: 101.625+/-0.008 χ^2/NDF: 13995391.6/11

- sign 101.569+/-0.012 χ^2/NDF: 7539681.2/59

asym_sam_3748_avg_reg_correction_mean vs Slug



Right In: -1284.865+/-332.539 χ^2/NDF: 62.3/33

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1690.305+/-333.788 χ^2/NDF: 59.3/36

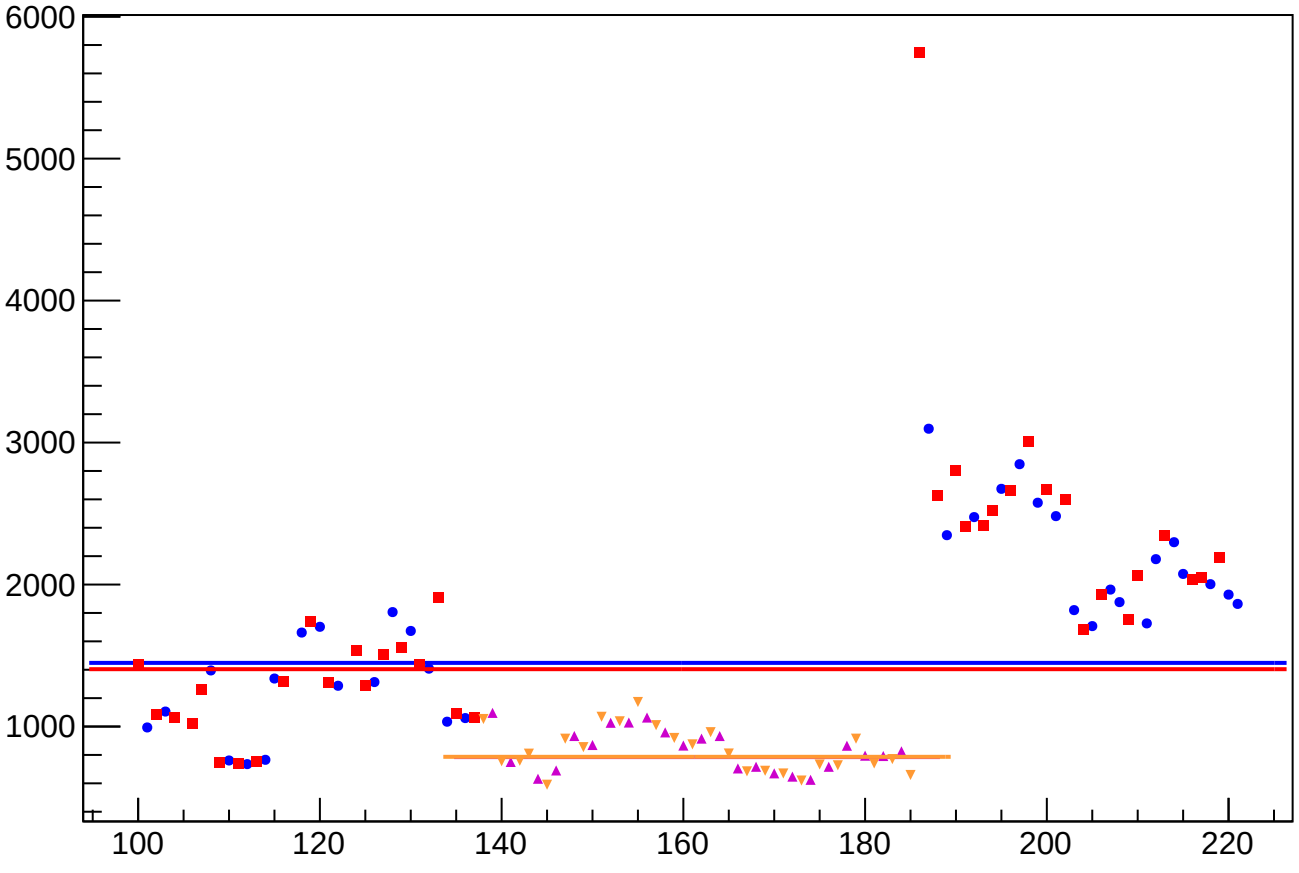
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -972.287+/-159.779 χ^2/NDF: 131.2/58

All: -744.618+/-114.054 χ^2/NDF: 235.4/118

- sign -508.090+/-162.859 χ^2/NDF: 100.0/59

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1448.339+/-0.235 χ^2/NDF: 5886576.4/33

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.939+/-0.236 χ^2/NDF: 7414426.0/36

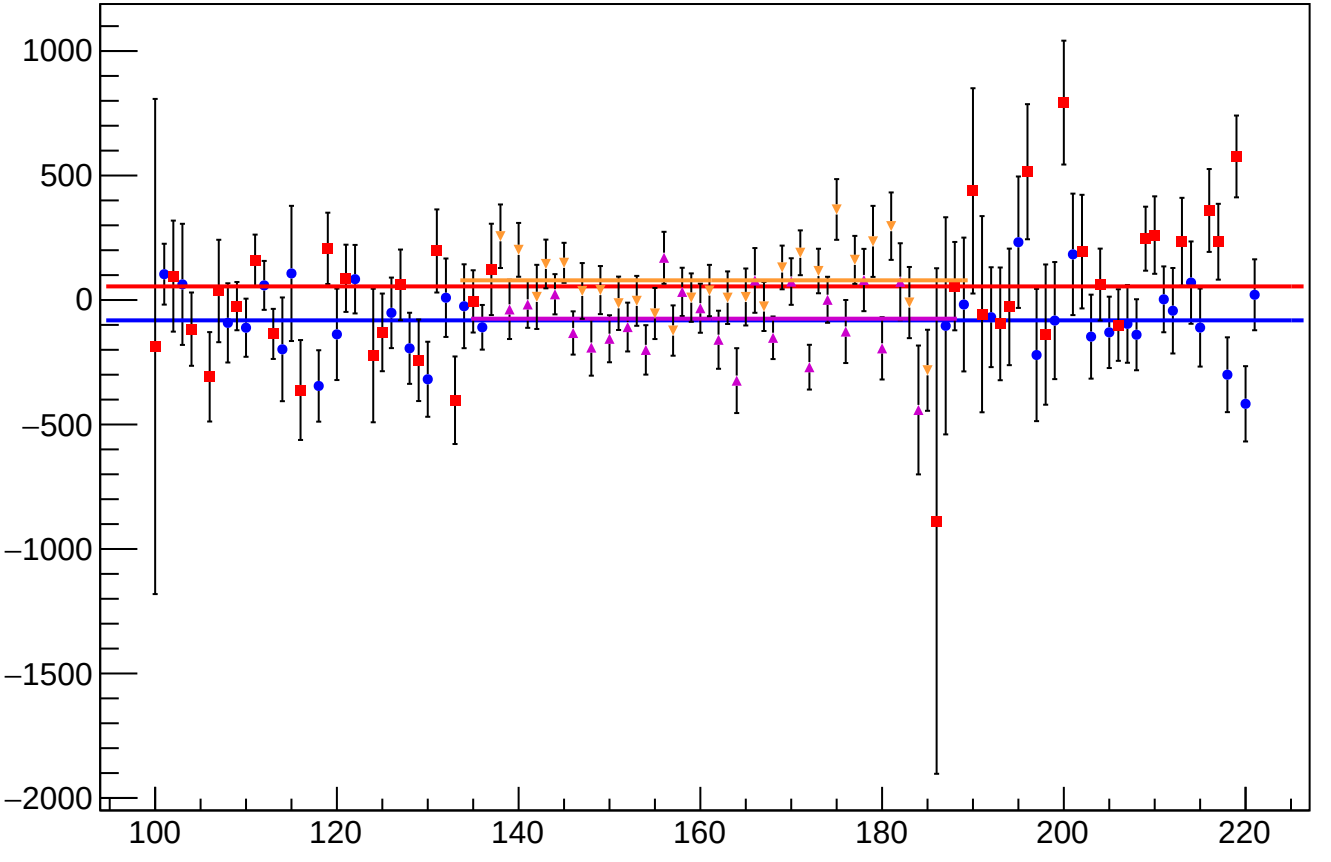
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 939.494+/-0.113 χ^2/NDF: 13186029.8/58

All: 935.924+/-0.081 χ^2/NDF: 26908751.8/11

- sign 932.215+/-0.115 χ^2/NDF: 13720686.3/59

cor_asym_sam_3748_avg_mean vs Slug



Right In: -81.727+/-26.748 χ^2/NDF: 26.4/33

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 54.656+/-27.282 χ^2/NDF: 65.9/36

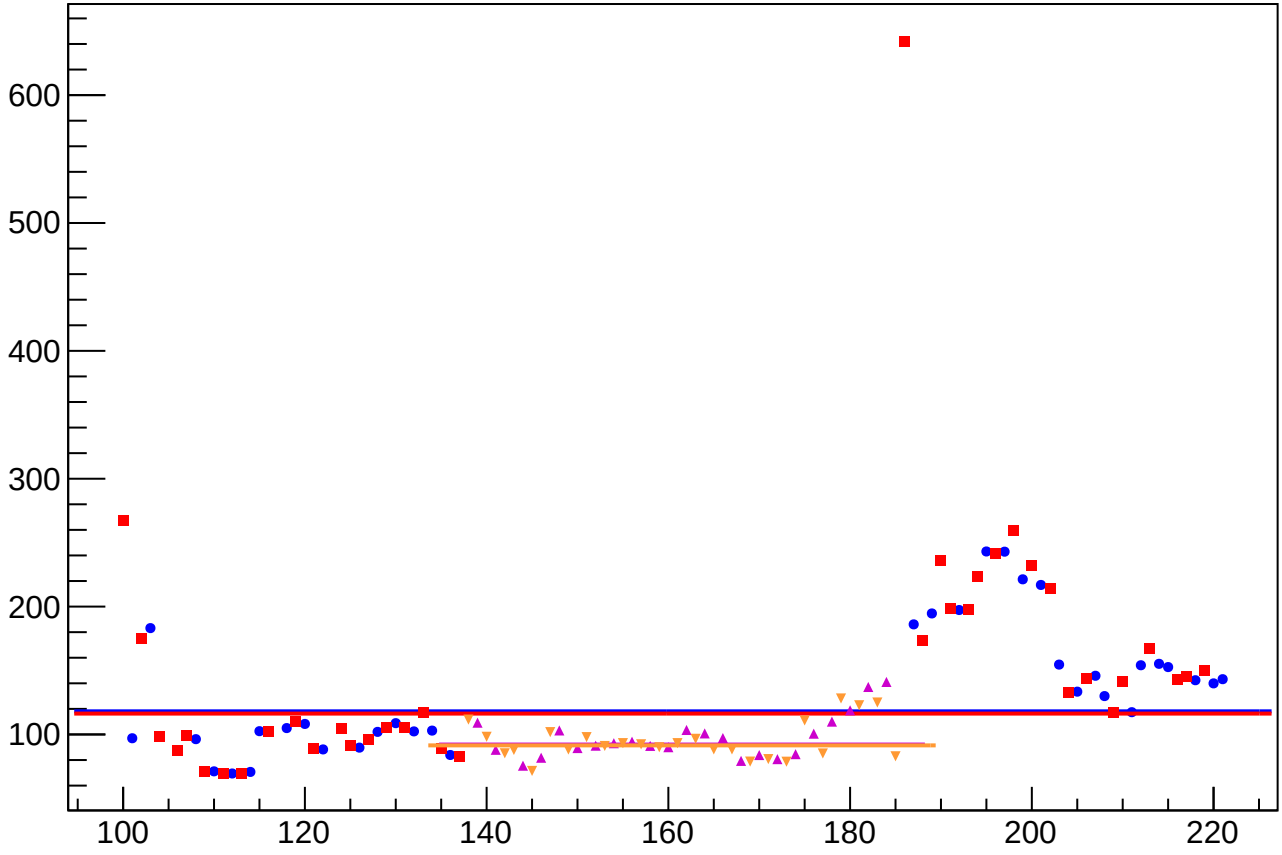
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 17.405+/-16.567 χ^2/NDF: 80.7/58

All: -2.900+/-11.881 χ^2/NDF: 196.0/118

- sign -24.401+/-17.048 χ^2/NDF: 112.3/59

cor_asym_sam_3748_avg_rms vs Slug



Right In: 118.089+/-0.019 χ^2/NDF: 4482838.4/33

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

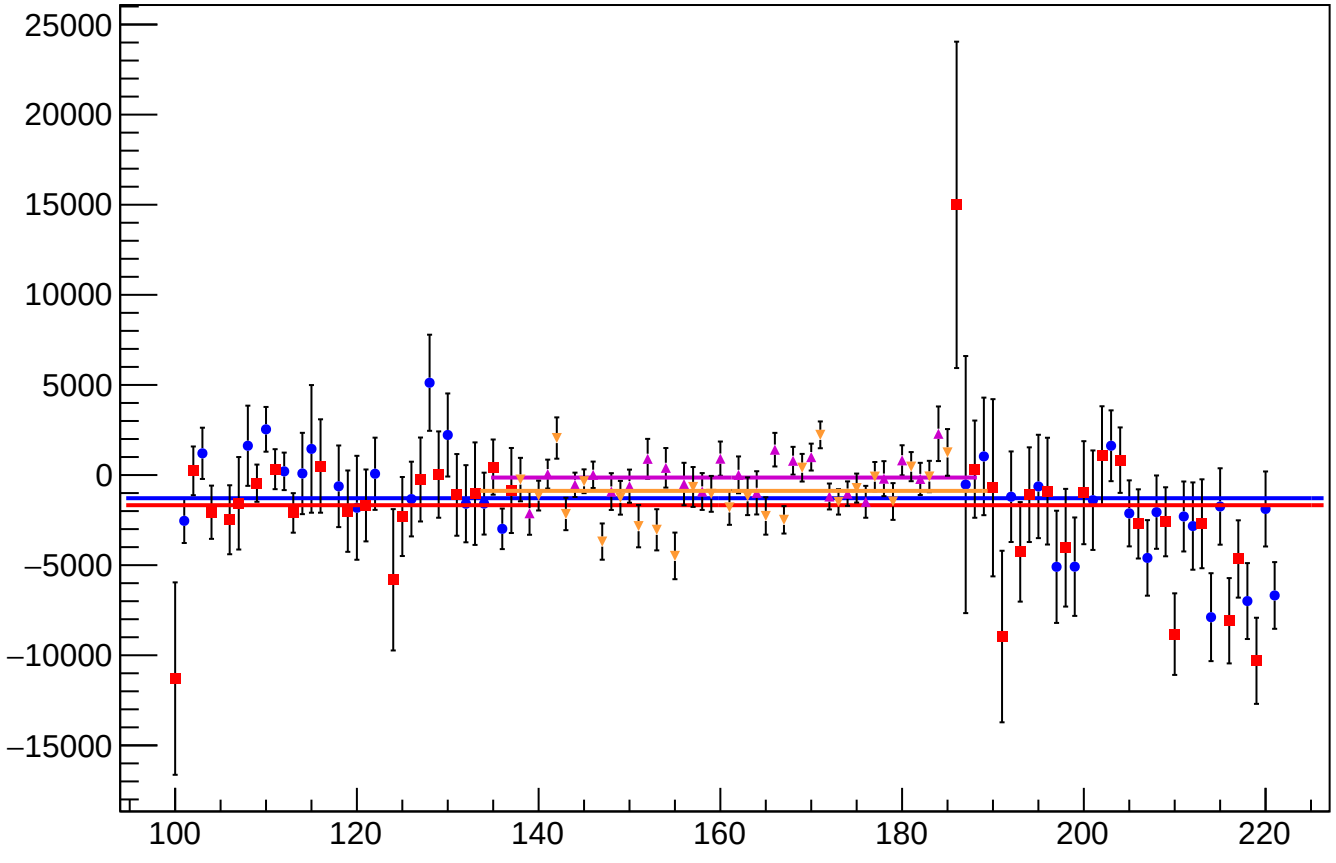
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.677+/-0.012 χ^2/NDF: 6455672.8/58

All: 101.619+/-0.008 χ^2/NDF: 13997790.3/11

- sign 101.558+/-0.012 χ^2/NDF: 7542067.9/59

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -1284.888+/-332.541 χ^2/NDF: 62.3/33

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1673.085+/-334.255 χ^2/NDF: 59.0/36

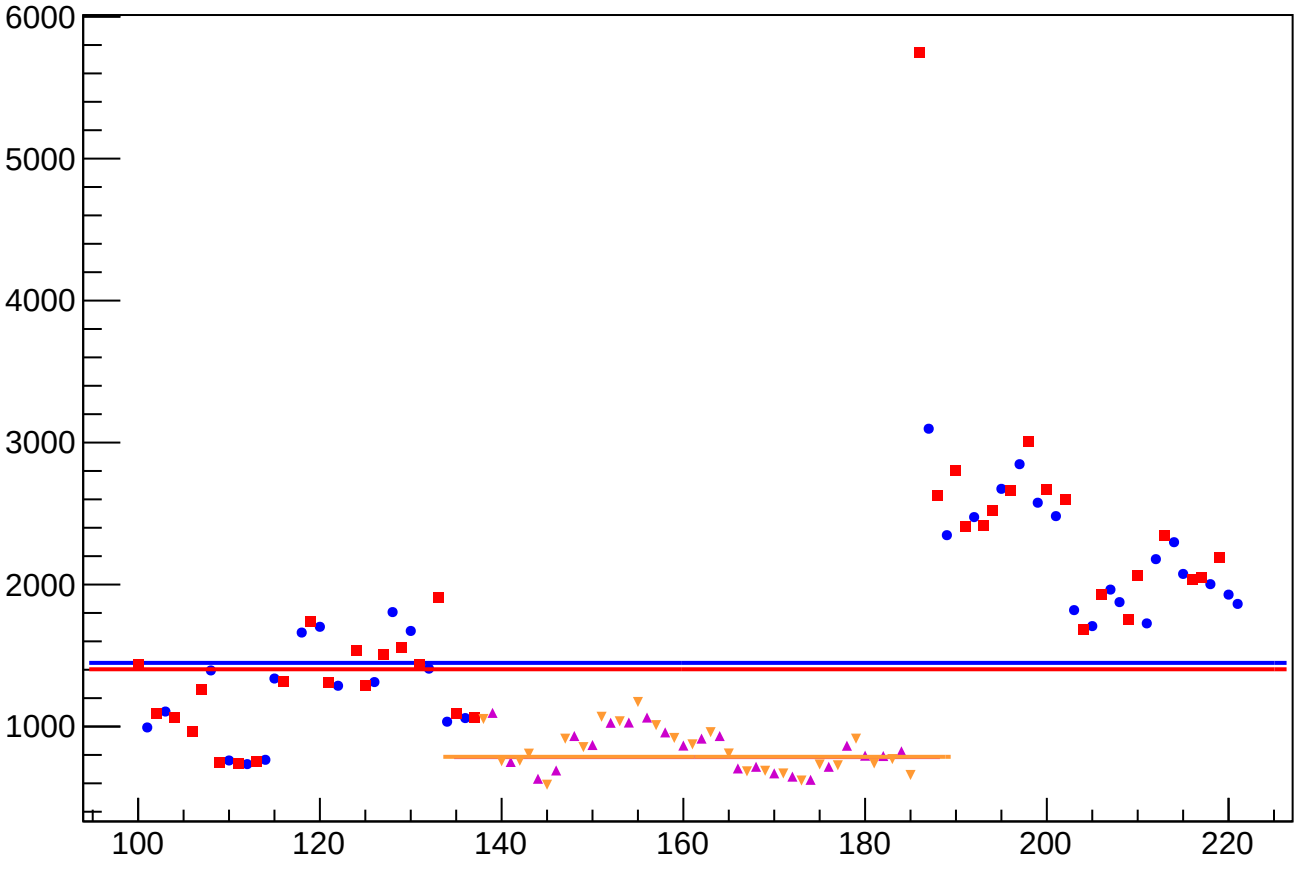
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -972.284+/-159.780 χ^2/NDF: 131.2/58

All: -742.304+/-114.073 χ^2/NDF: 234.7/118

- sign -503.216+/-162.913 χ^2/NDF: 99.3/59

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1448.349+/-0.235 χ^2/NDF: 5886487.2/33

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

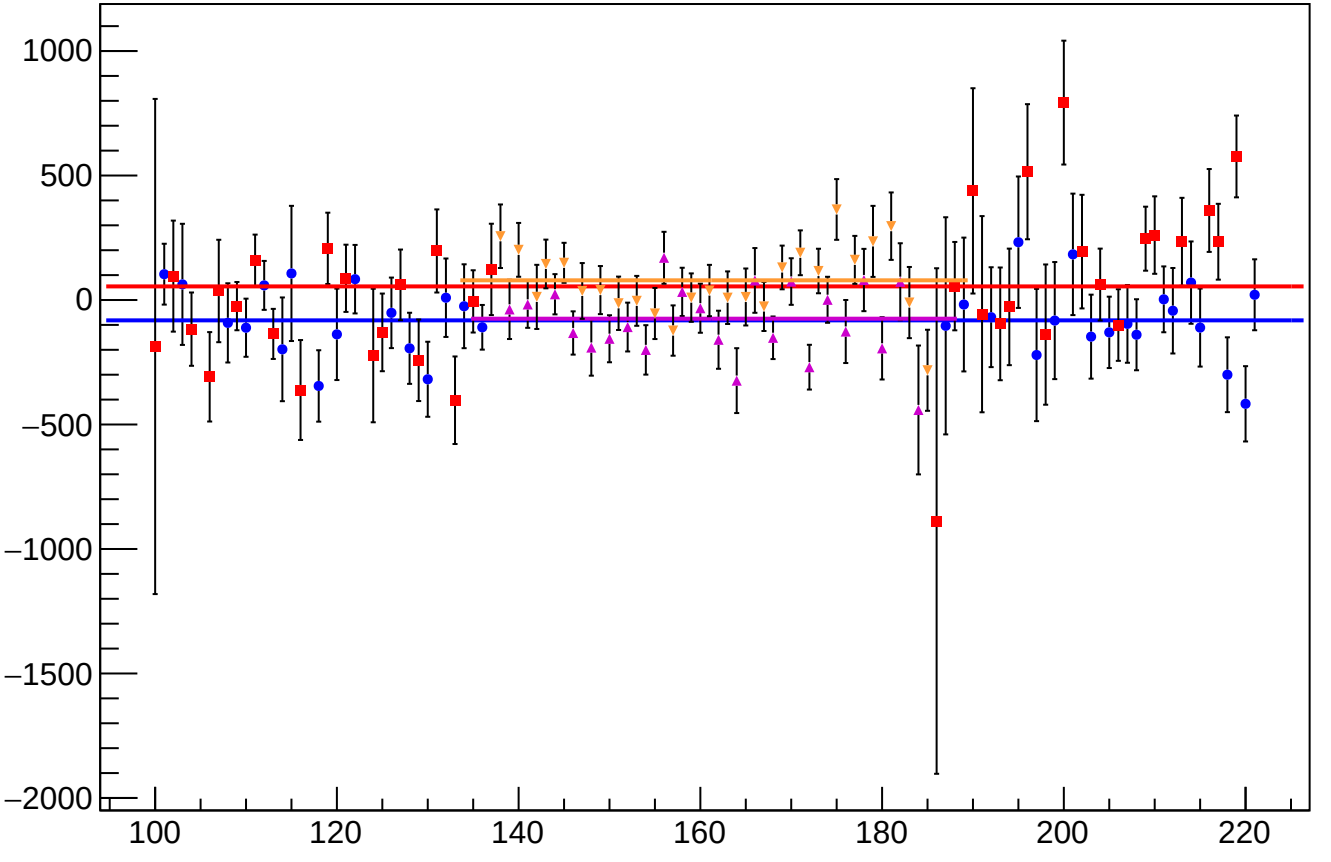
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 939.494+/-0.113 χ^2/NDF: 13186066.2/58

All: 935.698+/-0.081 χ^2/NDF: 26904924.5/11

- sign 931.752+/-0.115 χ^2/NDF: 13716555.8/59

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -81.727+/-26.748 χ^2/NDF: 26.4/33

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 54.656+/-27.282 χ^2/NDF: 65.9/36

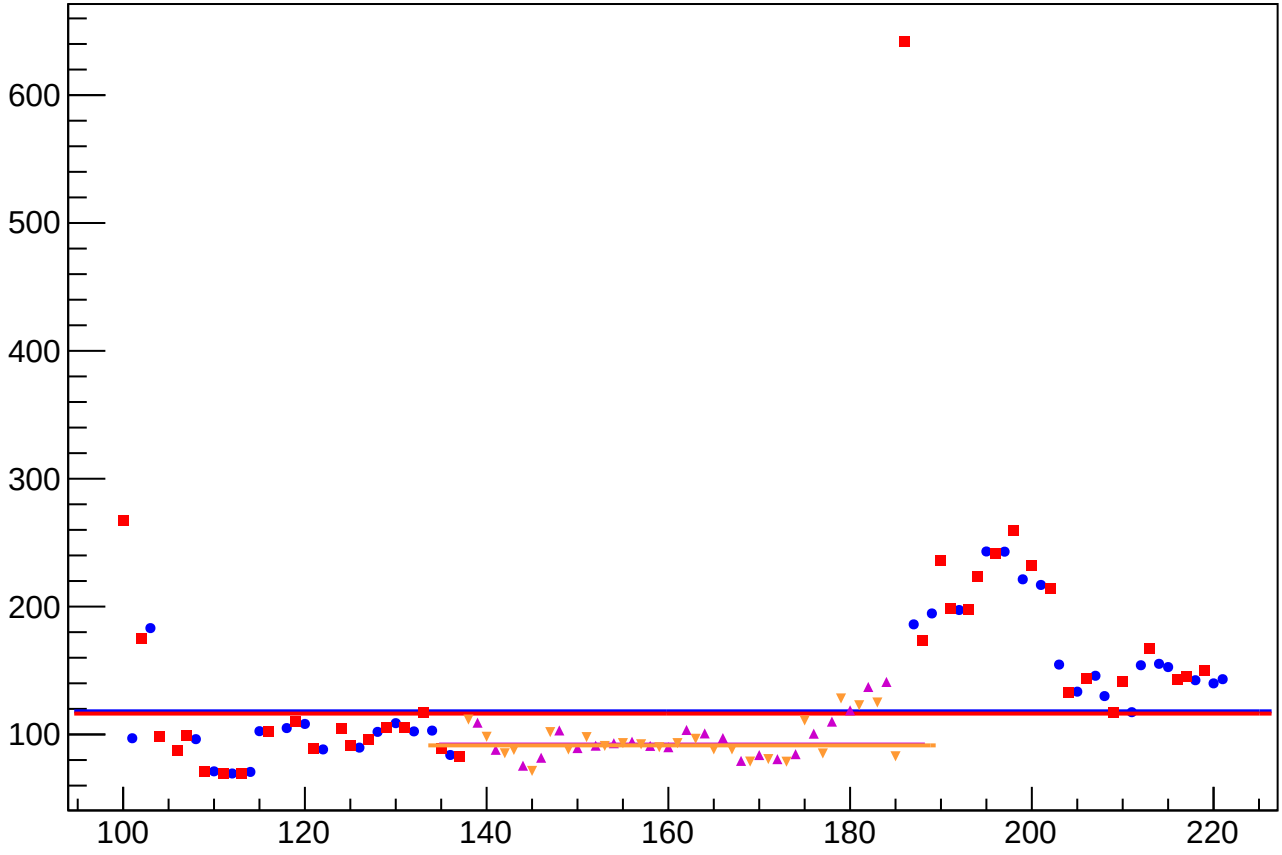
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 17.405+/-16.567 χ^2/NDF: 80.7/58

All: -2.900+/-11.881 χ^2/NDF: 196.0/118

- sign -24.401+/-17.048 χ^2/NDF: 112.3/59

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 118.089+/-0.019 χ^2/NDF: 4482838.4/33

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

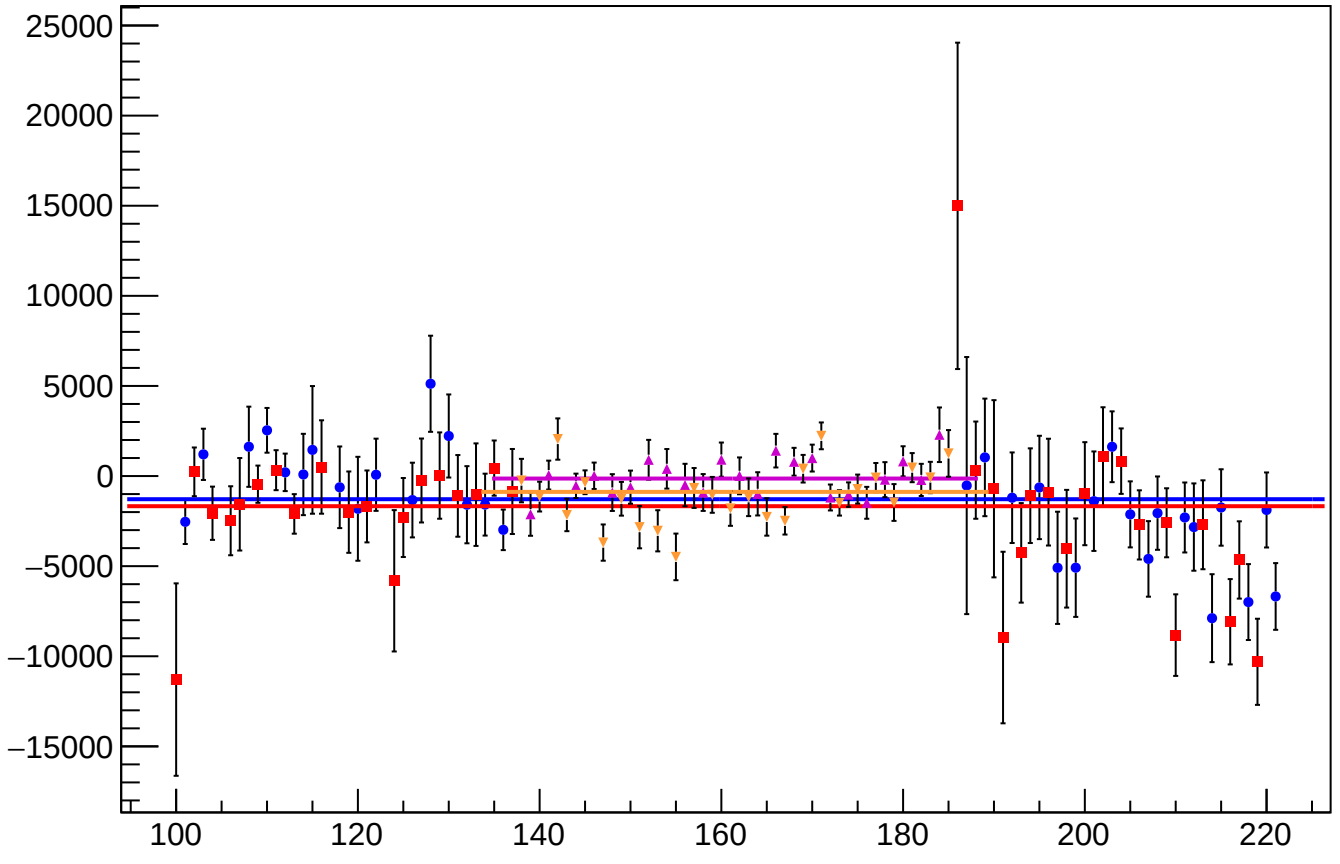
Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.677+/-0.012 χ^2/NDF: 6455672.8/58

All: 101.619+/-0.008 χ^2/NDF: 13997790.3/11

- sign 101.558+/-0.012 χ^2/NDF: 7542067.9/59



Right In: -1284.888+/-332.541 χ^2/NDF: 62.3/33

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1673.085+/-334.255 χ^2/NDF: 59.0/36

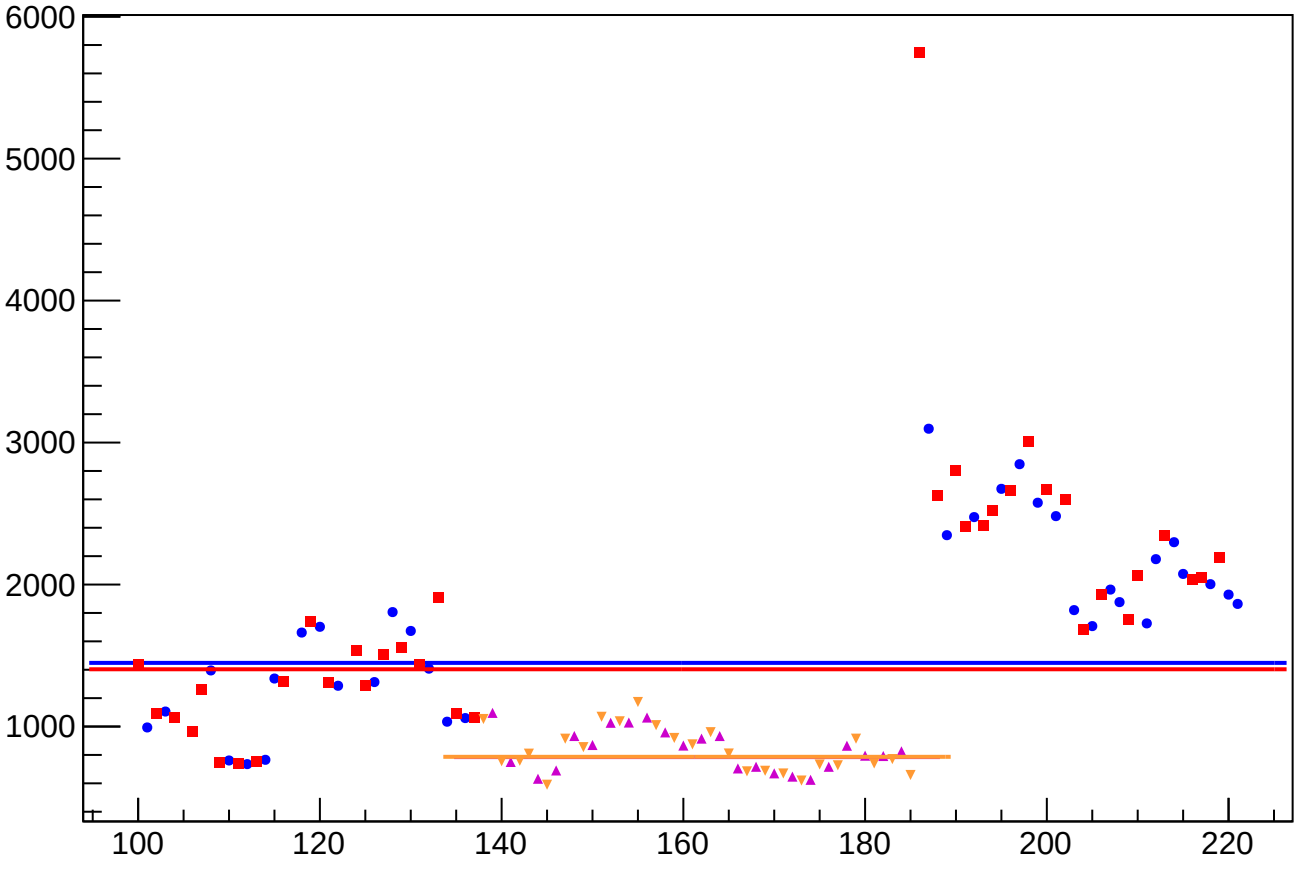
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -972.284+/-159.780 χ^2/NDF: 131.2/58

All: -742.304+/-114.073 χ^2/NDF: 234.7/118

- sign -503.216+/-162.913 χ^2/NDF: 99.3/59

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1448.349+/-0.235 χ^2/NDF: 5886487.2/33

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

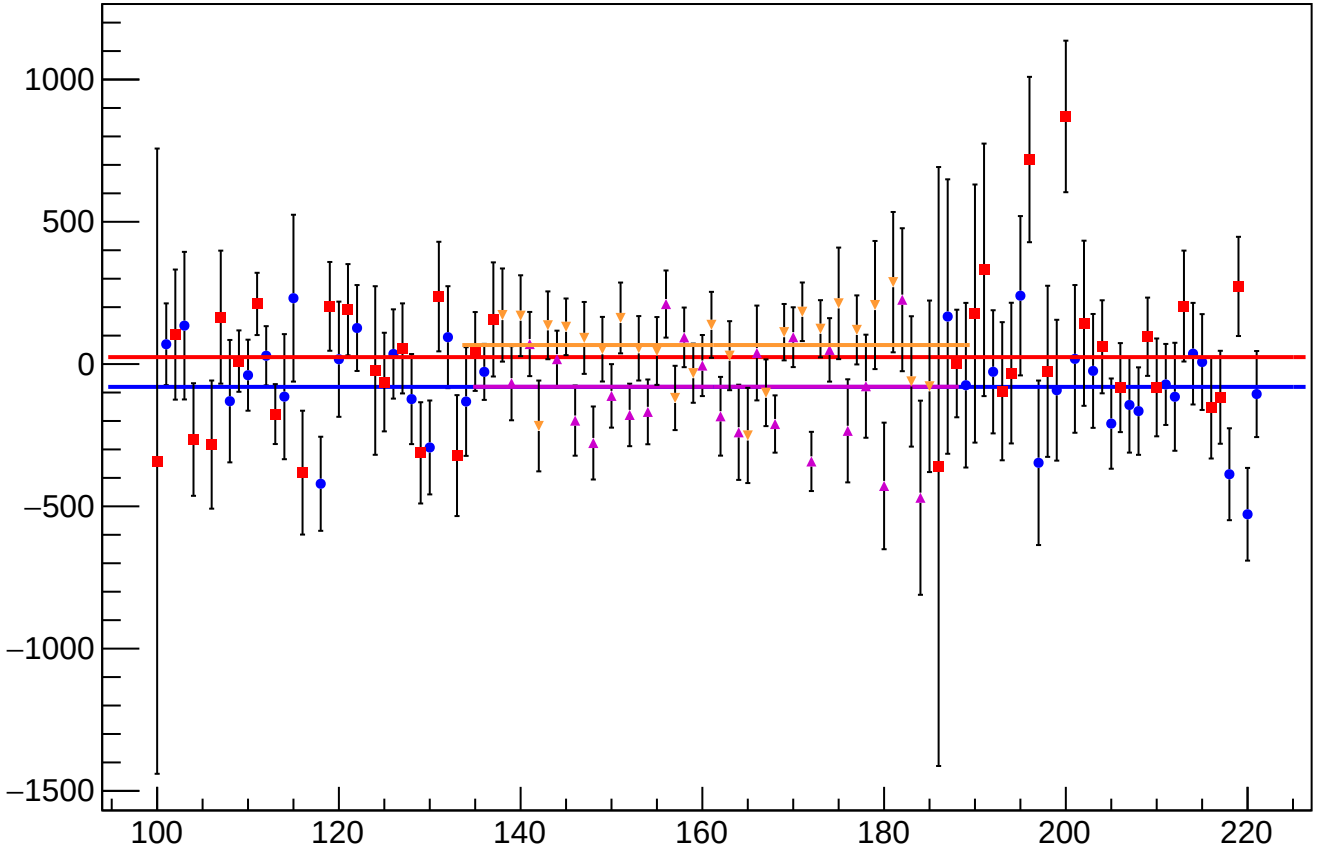
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 939.494+/-0.113 χ^2/NDF: 13186066.2/58

All: 935.698+/-0.081 χ^2/NDF: 26904924.5/11

- sign 931.752+/-0.115 χ^2/NDF: 13716555.8/59

dit_asym_sam_3748_avg_mean vs Slug



Right In: -80.211+/-29.393 χ^2/NDF: 29.9/33

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 24.437+/-30.140 χ^2/NDF: 48.1/36

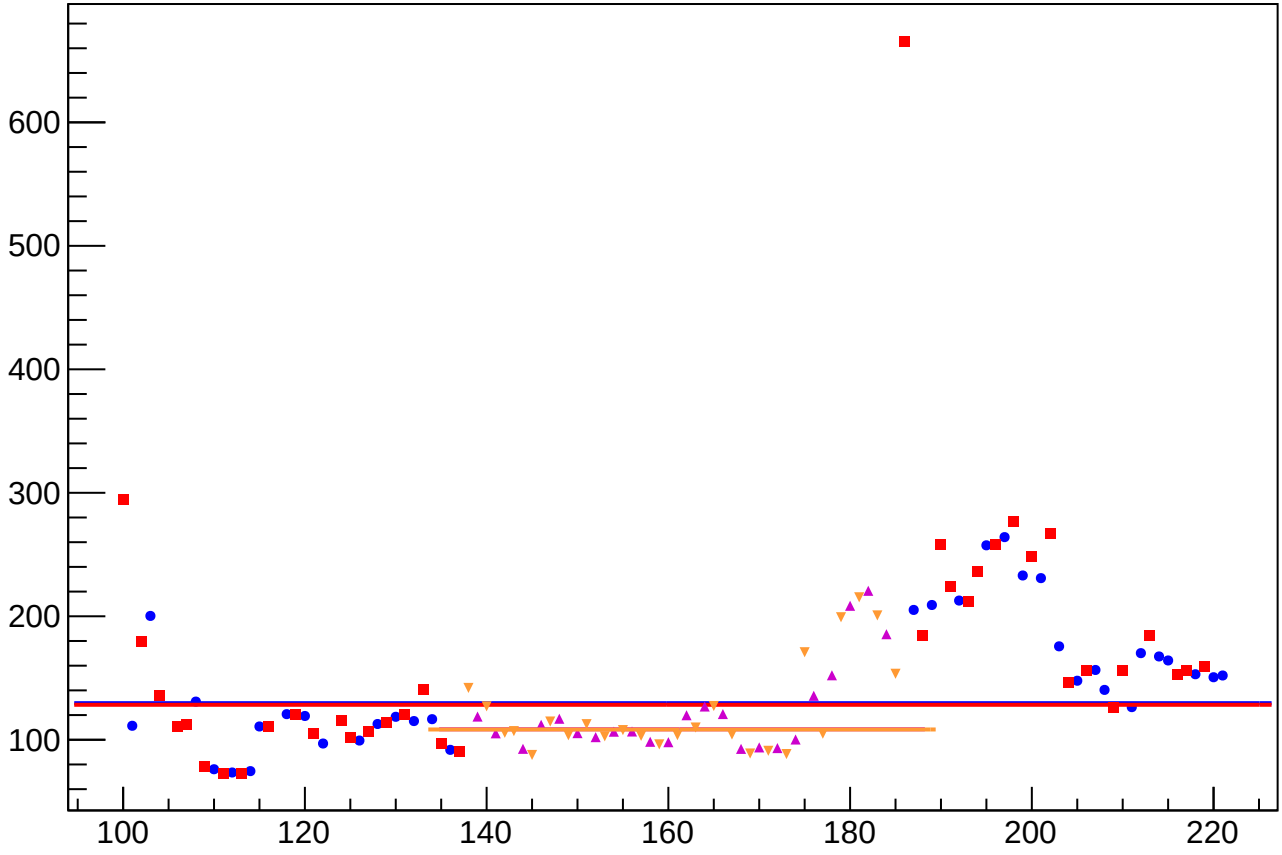
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 3.488+/-19.298 χ^2/NDF: 63.7/58

All: -15.112+/-13.825 χ^2/NDF: 157.4/118

- sign -34.724+/-19.816 χ^2/NDF: 91.8/59

dit_asym_sam_3748_avg_rms vs Slug



Right In: 129.631+/-0.021 χ^2/NDF: 4370046.4/33

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 128.331+/-0.021 χ^2/NDF: 5799416.1/36

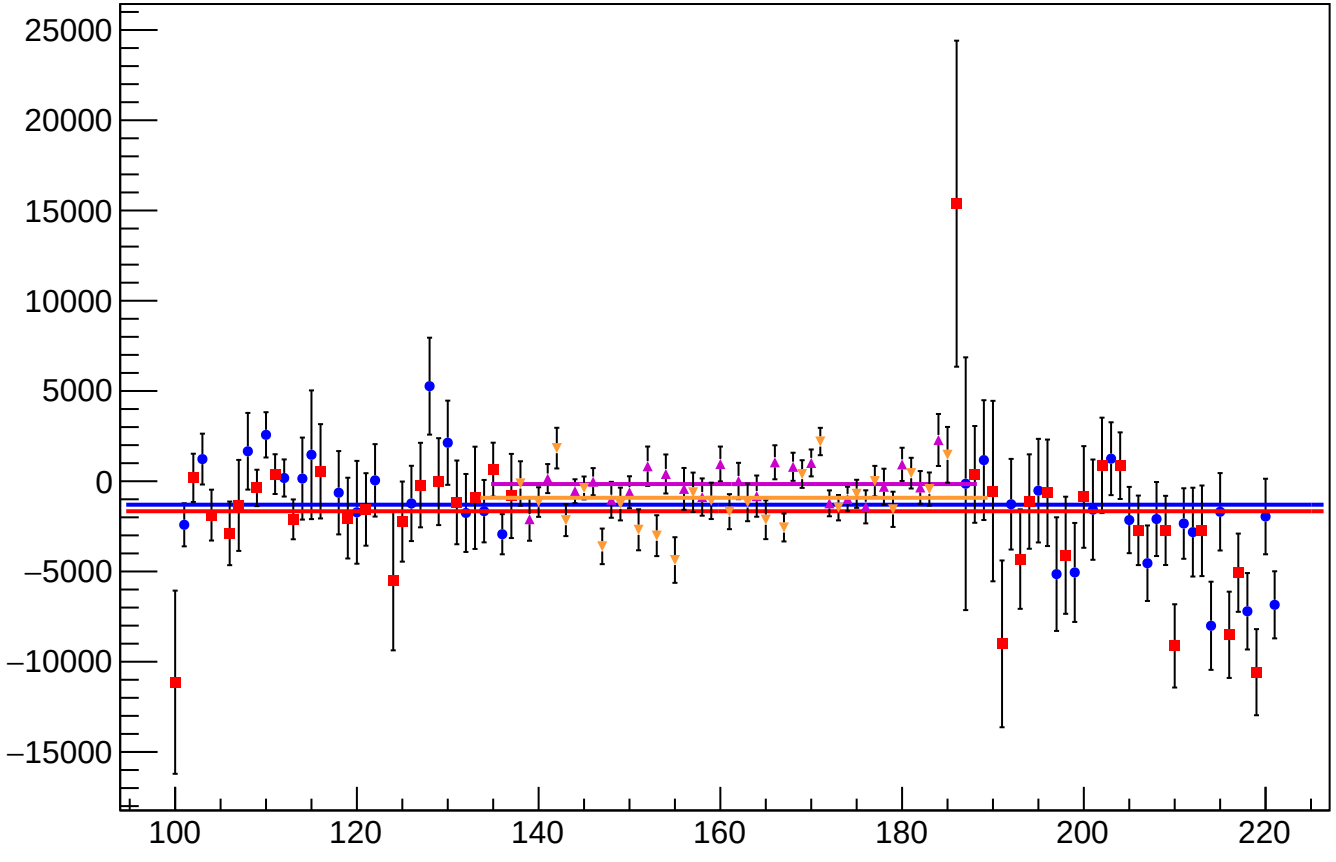
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 117.512+/-0.014 χ^2/NDF: 6742244.3/58

All: 117.296+/-0.010 χ^2/NDF: 14413525.0/11

- sign 117.068+/-0.014 χ^2/NDF: 7670765.6/59

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -1300.431+/-332.137 χ^2/NDF: 63.0/33

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1662.850+/-331.310 χ^2/NDF: 63.6/36

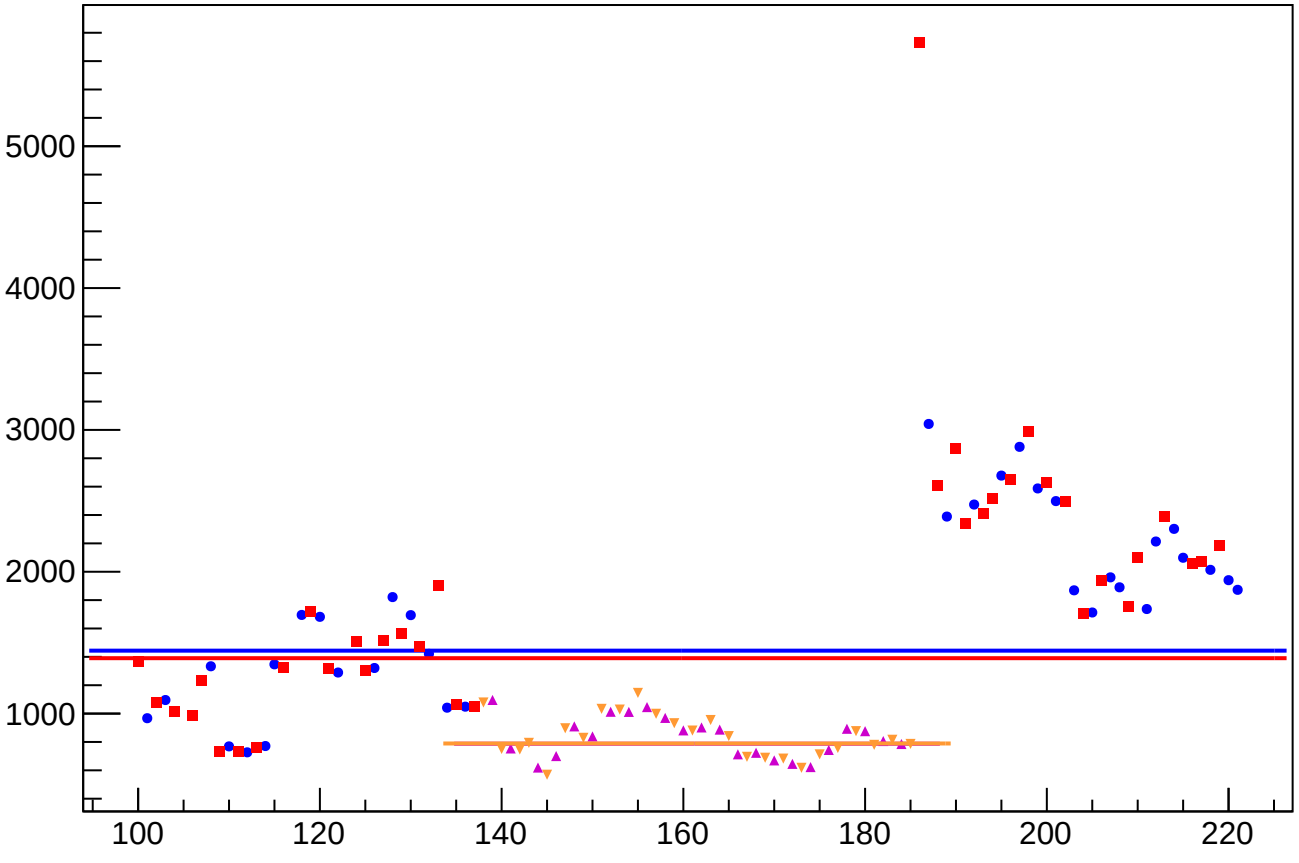
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

\+ sign -1007.223+/-159.919 χ^2/NDF: 128.1/58

All: -768.303+/-114.128 χ^2/NDF: 235.1/118

\- sign -520.311+/-162.927 χ^2/NDF: 102.4/59

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1443.717+/-0.235 χ^2/NDF: 6065763.8/33

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1390.589+/-0.234 χ^2/NDF: 7581802.5/36

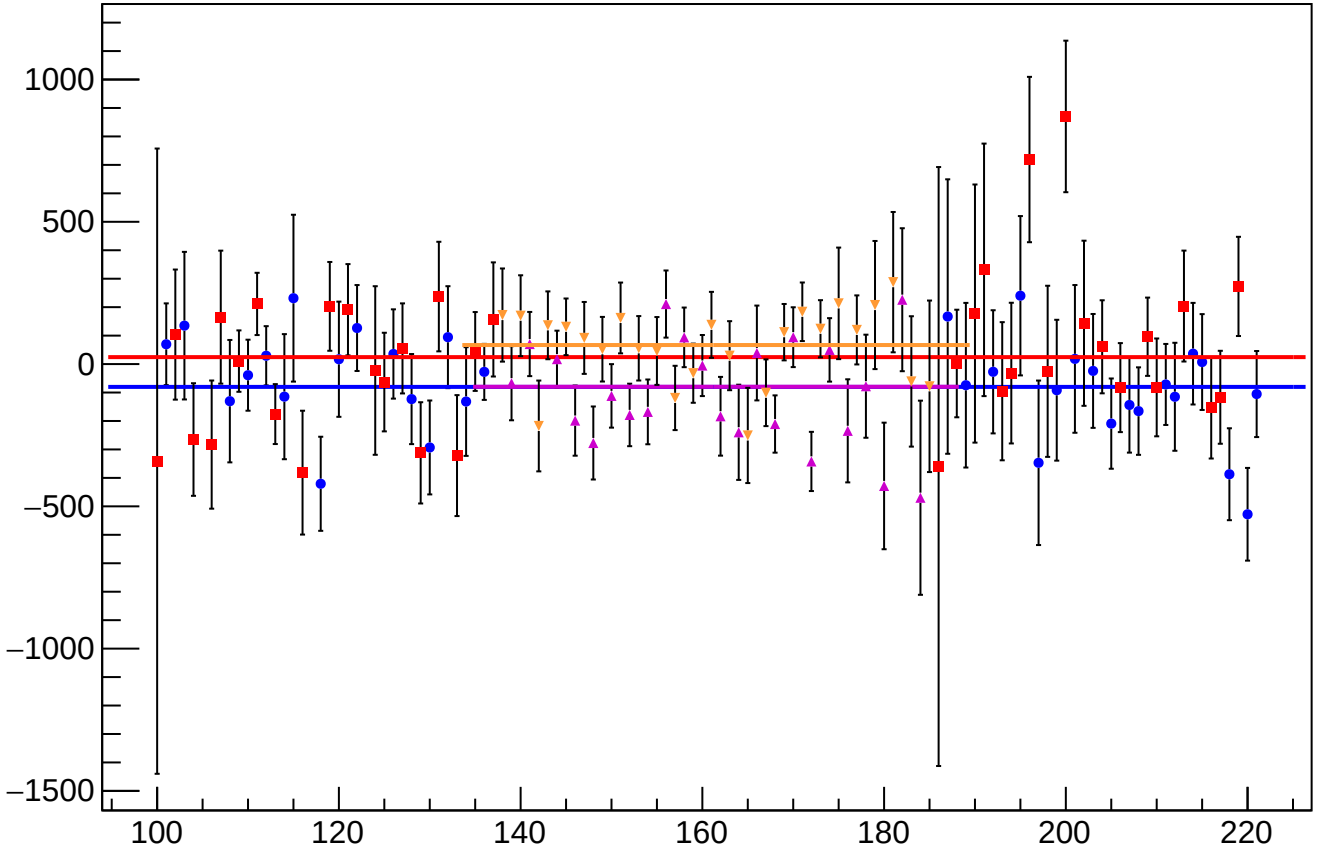
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

\+ sign 940.973+/-0.113 χ^2/NDF: 13207833.2/58

All: 937.190+/-0.081 χ^2/NDF: 26859601.2/11

\- sign 933.264+/-0.115 χ^2/NDF: 13649487.0/59

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -80.208+/-29.393 χ^2/NDF: 29.9/33

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 24.440+/-30.140 χ^2/NDF: 48.1/36

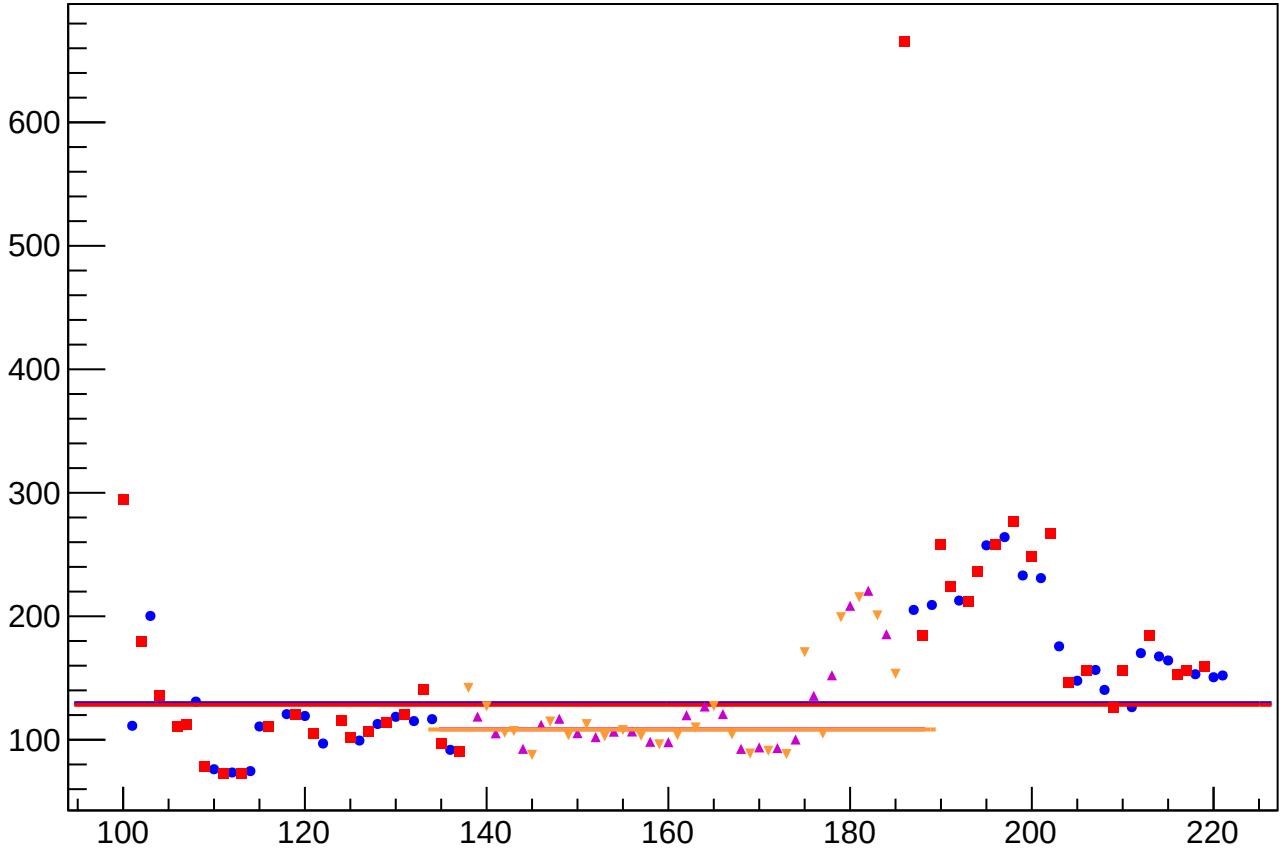
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 3.489+/-19.298 χ^2/NDF: 63.7/58

All: -15.111+/-13.825 χ^2/NDF: 157.4/118

- sign -34.723+/-19.816 χ^2/NDF: 91.8/59

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 129.631+/-0.021 χ^2/NDF: 4370027.2/33

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

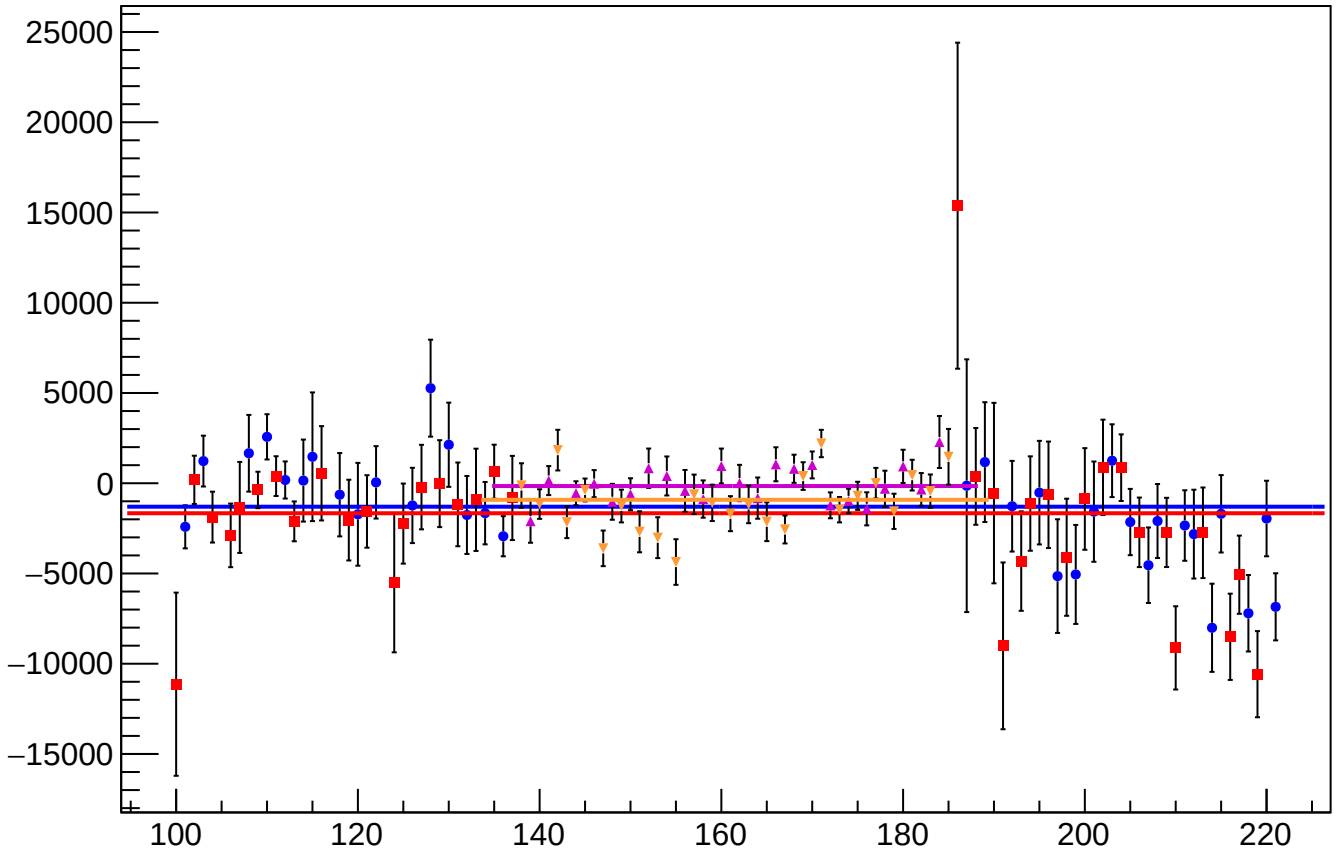
Right Out: 128.331+/-0.021 χ^2/NDF: 5799413.5/36

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 117.512+/-0.014 χ^2/NDF: 6742207.3/58

All: 117.296+/-0.010 χ^2/NDF: 14413456.1/11

- sign 117.068+/-0.014 χ^2/NDF: 7670733.7/59



Right In: -1300.428+/-332.136 χ^2/NDF: 63.0/33

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: -1662.847+/-331.309 χ^2/NDF: 63.6/36

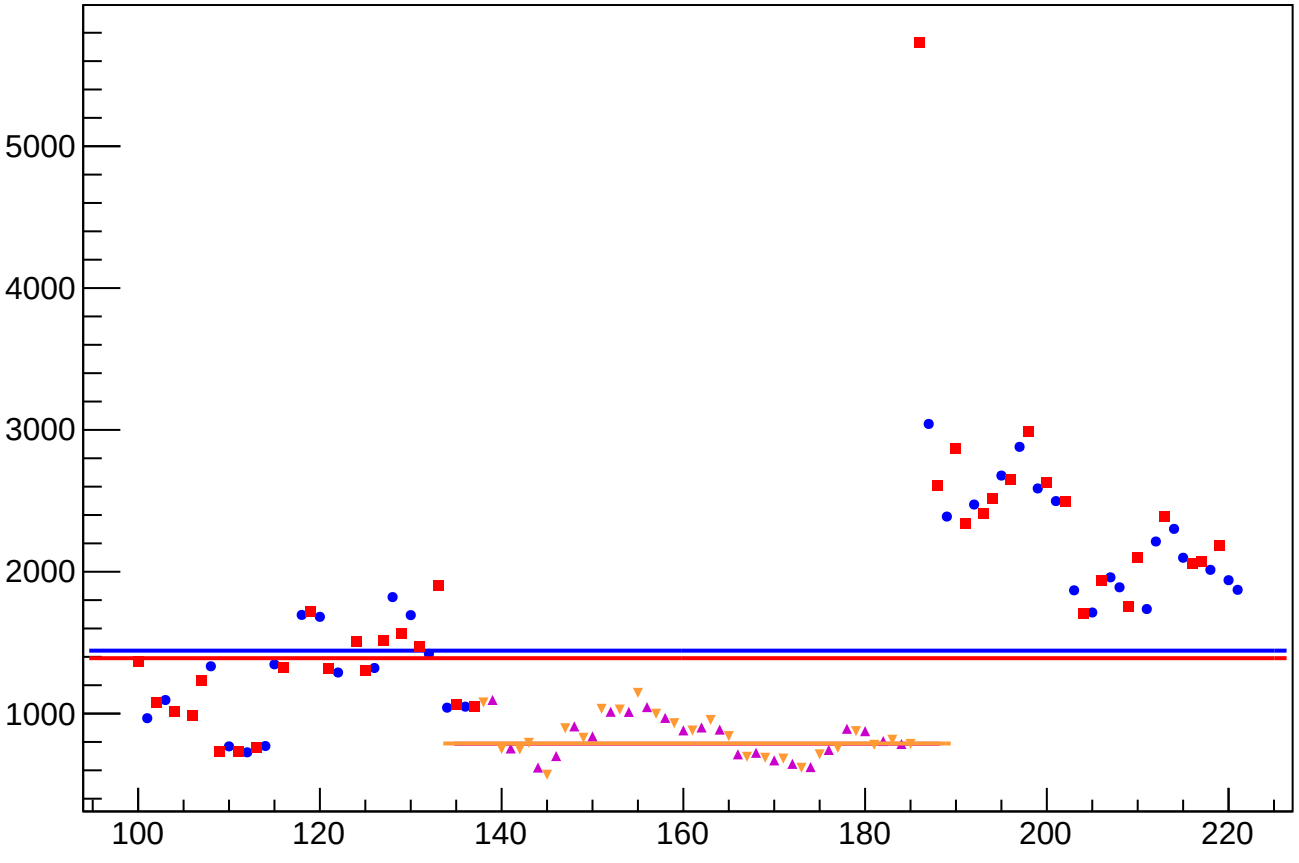
Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

\+ sign -1007.221+/-159.919 χ^2/NDF: 128.1/58

All: -768.302+/-114.128 χ^2/NDF: 235.1/118

\- sign -520.309+/-162.927 χ^2/NDF: 102.4/59

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug



Right In: 1443.714+/-0.235 χ^2/NDF: 6065778.6/33

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1390.587+/-0.234 χ^2/NDF: 7581812.0/36

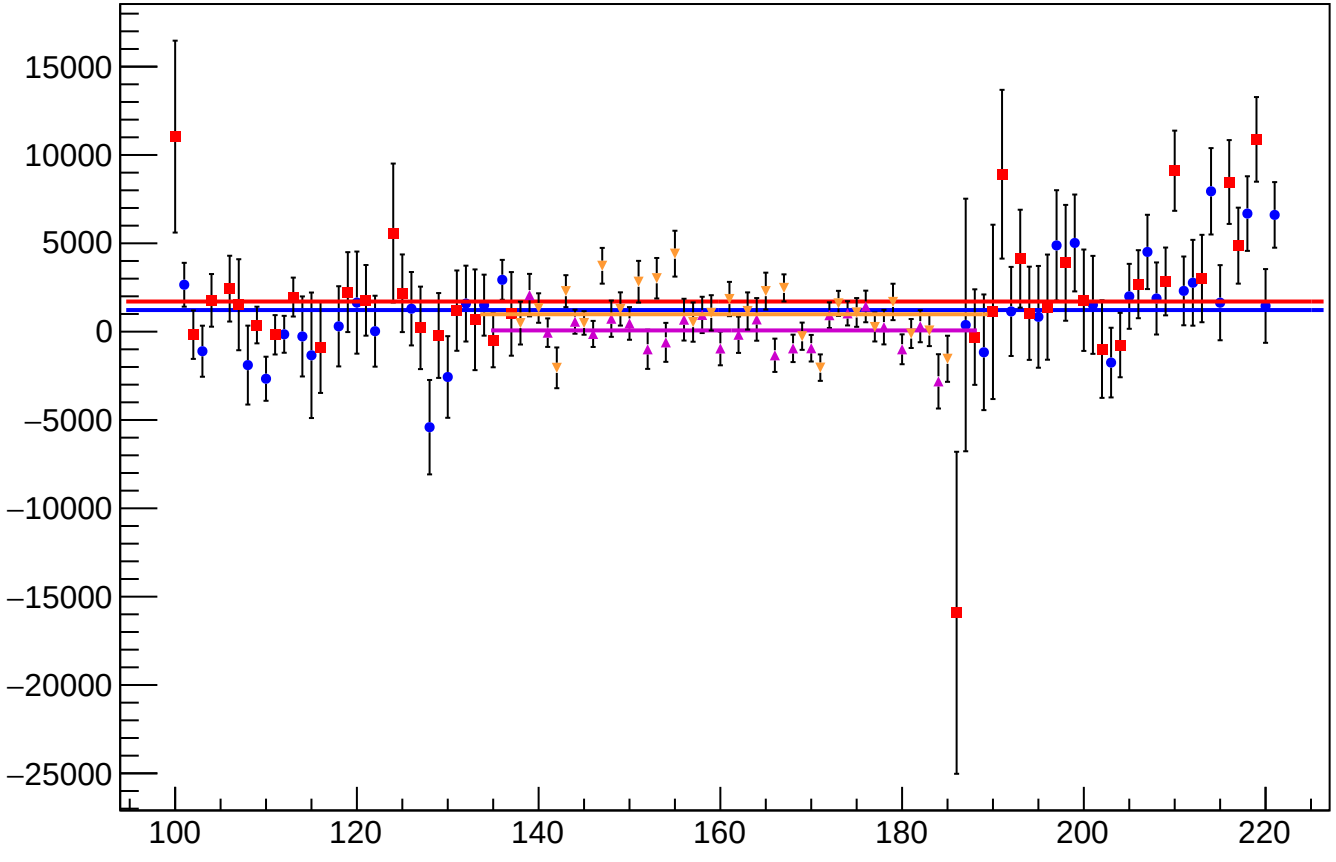
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

\+ sign 940.972+/-0.113 χ^2/NDF: 13207853.0/58

All: 937.189+/-0.081 χ^2/NDF: 26859634.2/11

\- sign 933.262+/-0.115 χ^2/NDF: 13649500.3/59

asym_sam_3748_avg_mean vs Slug



Right In: 1222.699+/-334.046 χ^2/NDF: 62.3/33

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1705.802+/-335.416 χ^2/NDF: 62.1/36

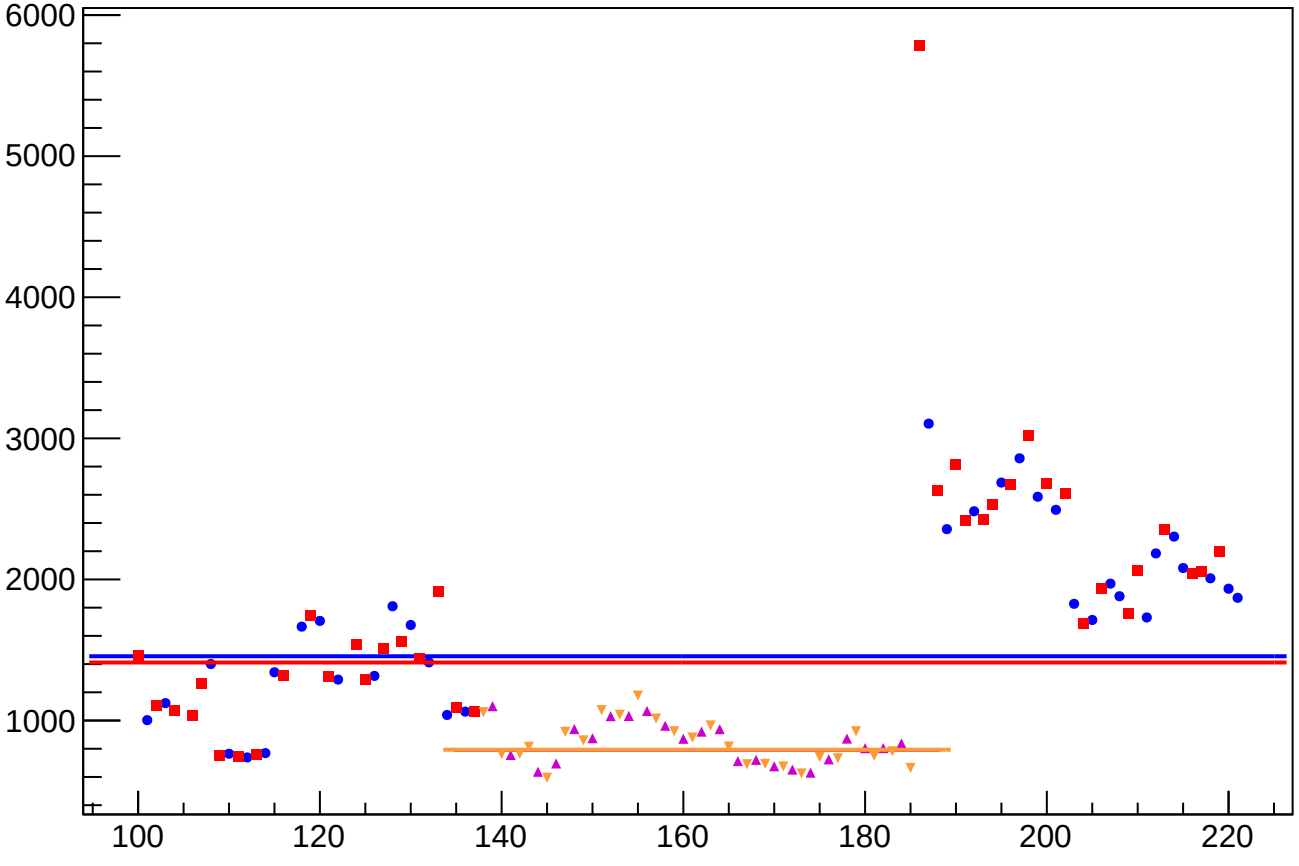
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 1040.651+/-160.899 χ^2/NDF: 126.4/58

All: 756.504+/-114.860 χ^2/NDF: 237.4/118

- sign 461.229+/-164.020 χ^2/NDF: 104.6/59

asym_sam_3748_avg_rms vs Slug



Right In: 1455.573+/-0.236 χ^2/NDF: 5852596.9/33

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

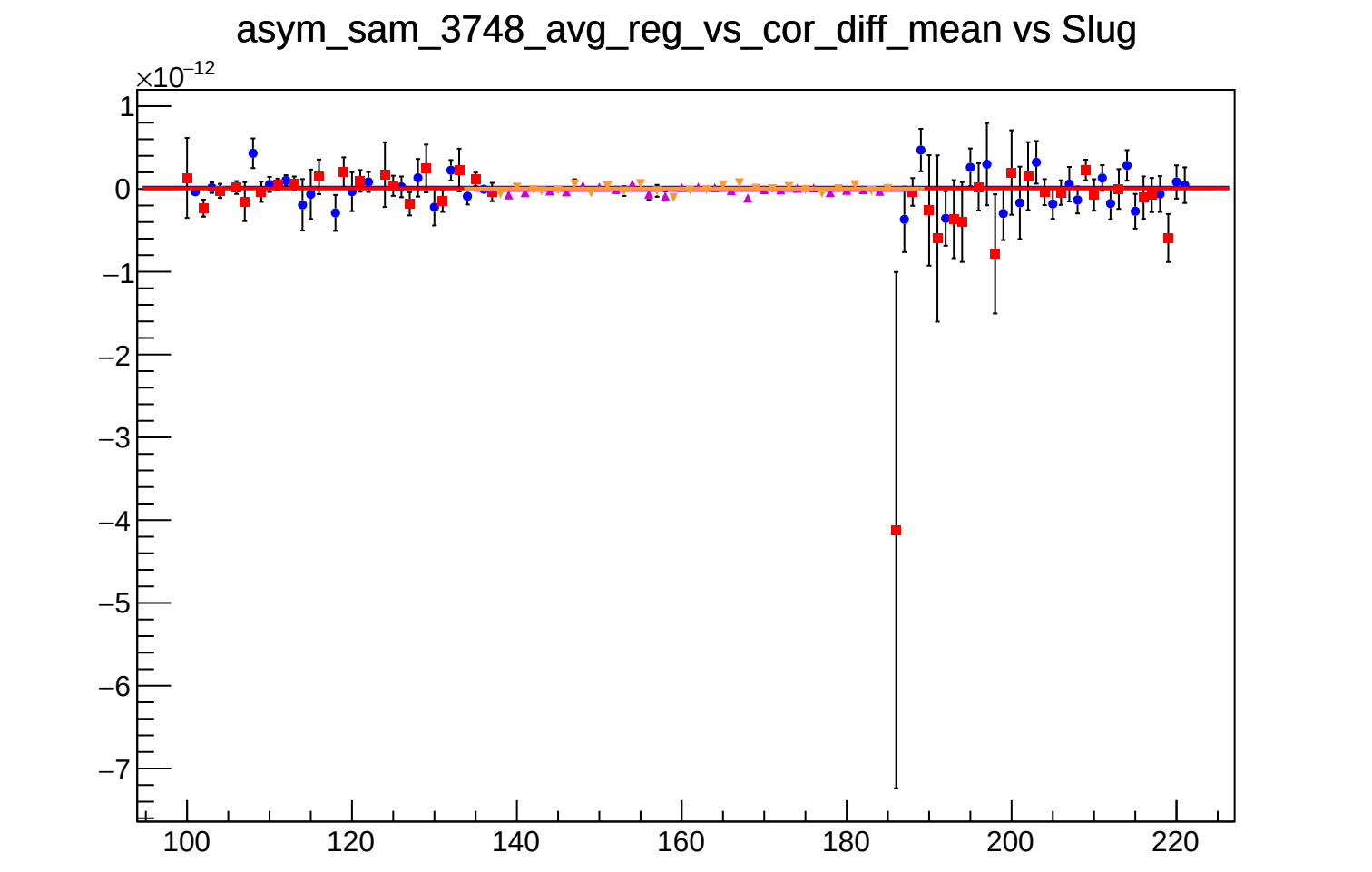
Right Out: 1411.249+/-0.237 χ^2/NDF: 7382228.7/36

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 946.759+/-0.114 χ^2/NDF: 13088504.6/58

All: 943.168+/-0.081 χ^2/NDF: 26722910.4/11

- sign 939.436+/-0.116 χ^2/NDF: 13632374.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

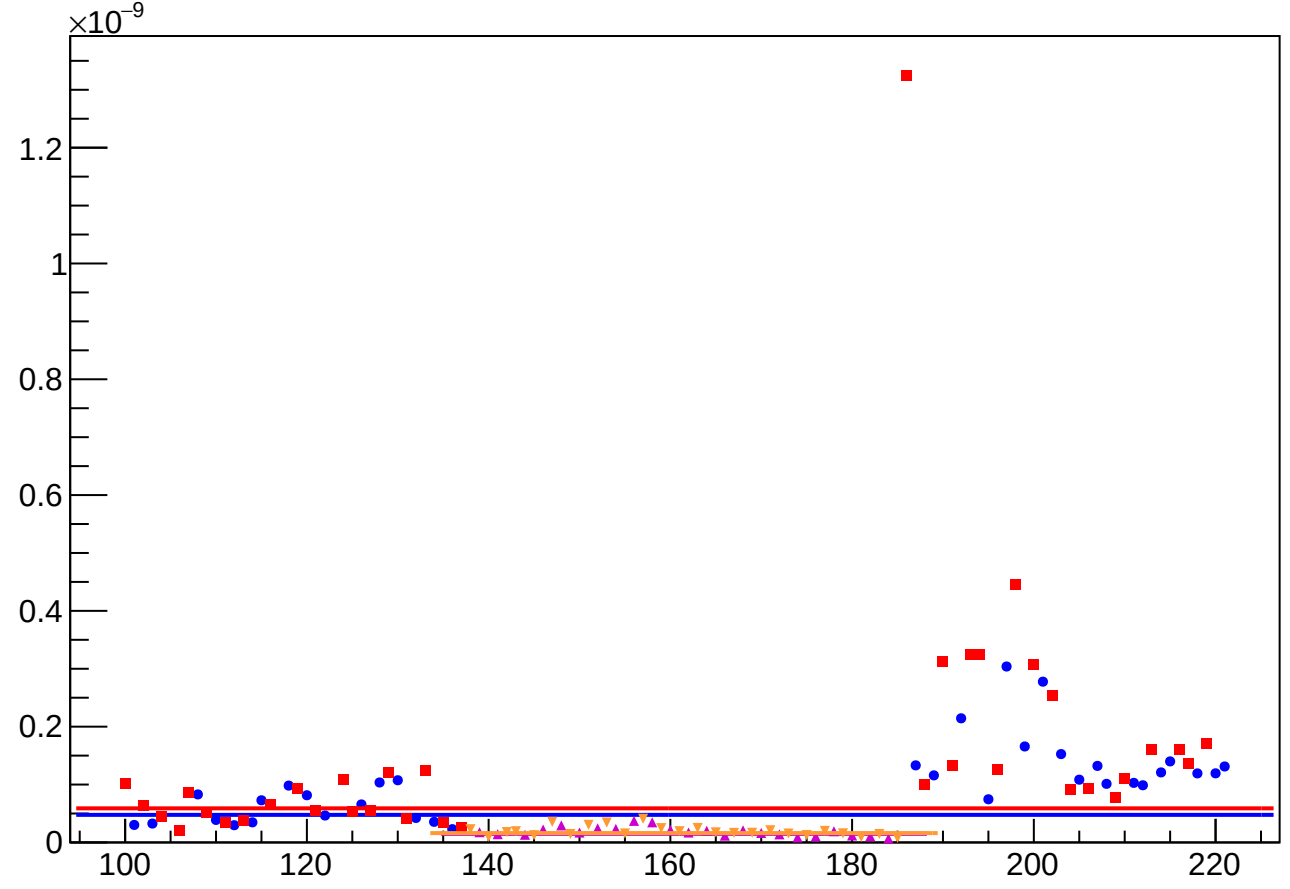
Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/36

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/58

All: -0.000+/-0.000 χ^2/NDF: 126.5/118

- sign -0.000+/-0.000 χ^2/NDF: 54.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7023868.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6918844.8/36

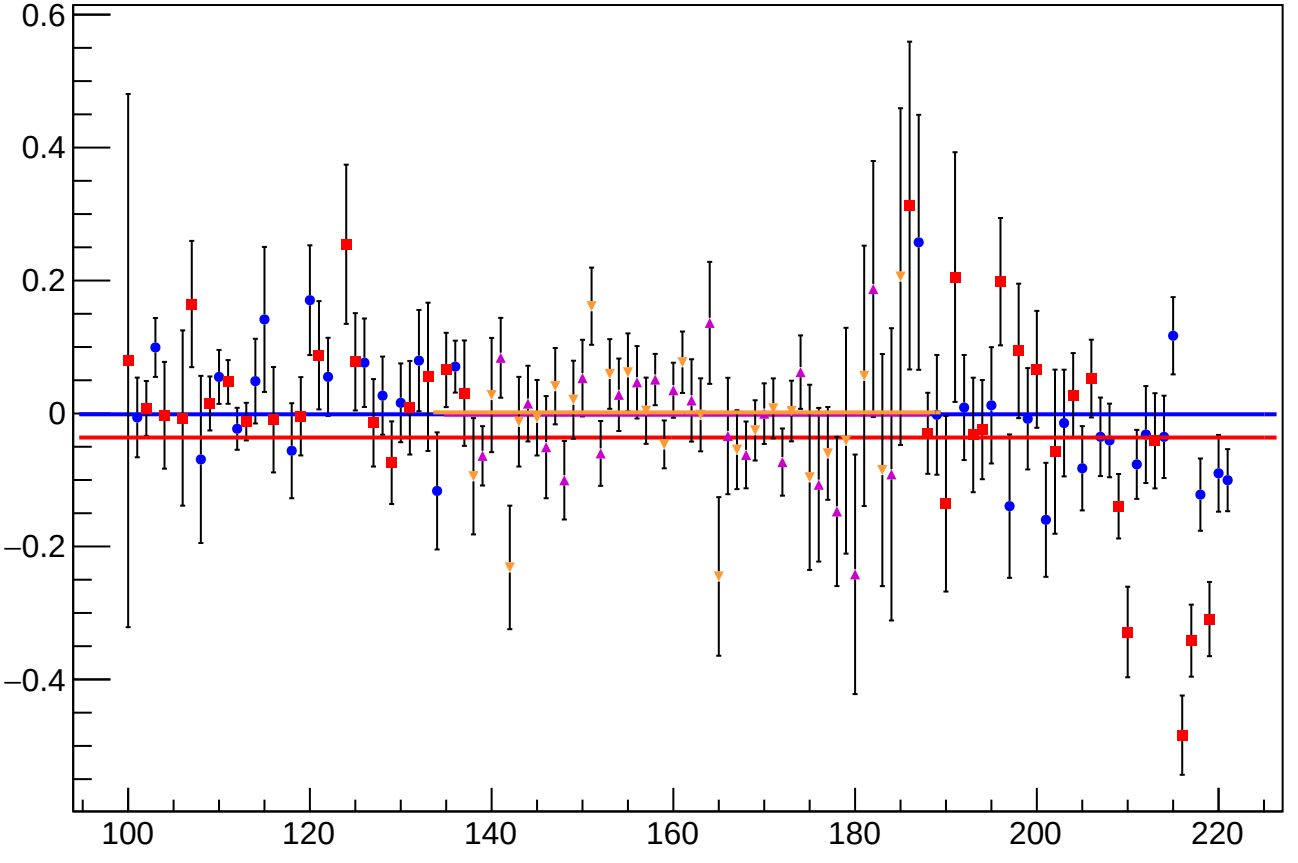
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 13173266.4/58

All: 0.000+/-0.000 χ^2/NDF: 27976728.9/118

- sign 0.000+/-0.000 χ^2/NDF: 14751169.2/59

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

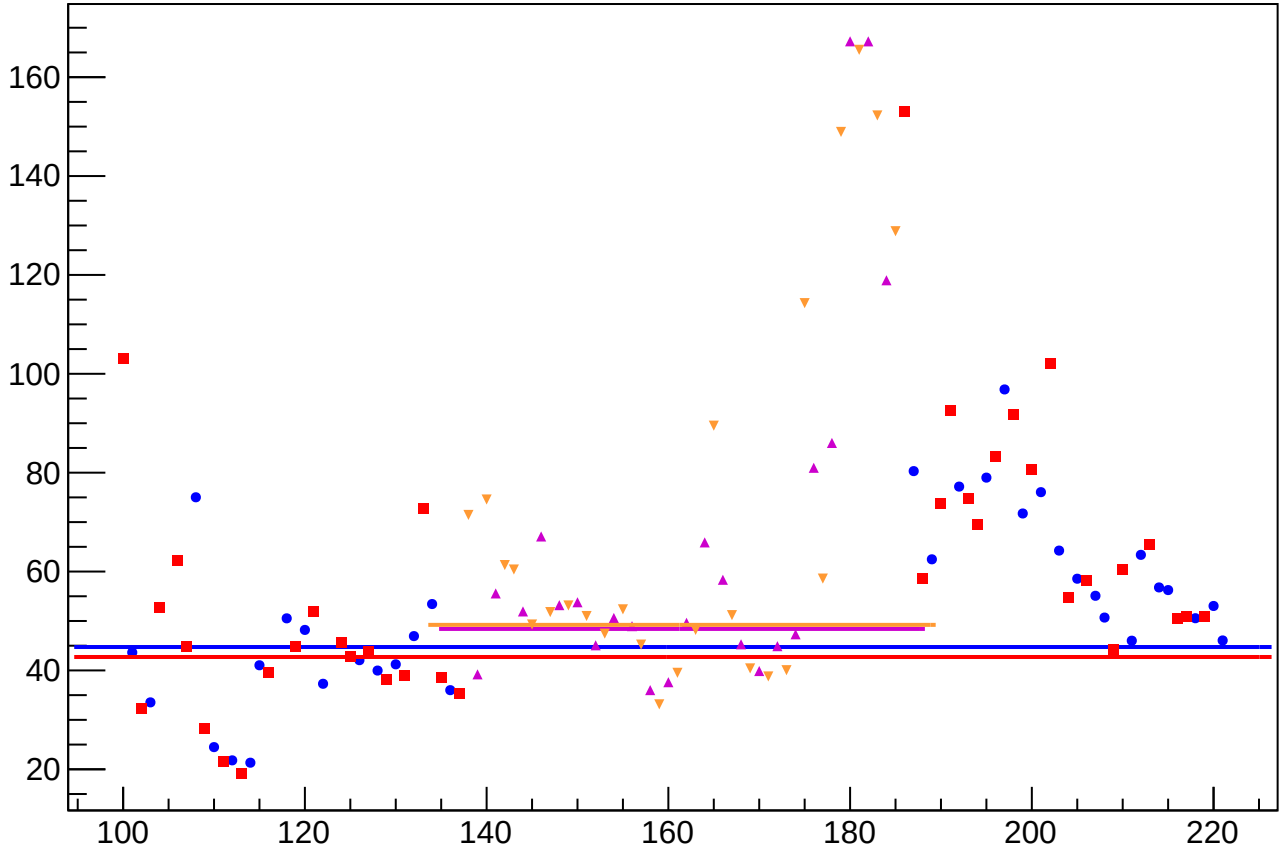
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.011+/-0.006 χ^2/NDF: 299.7/118

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.735+/-0.007 χ^2/NDF: 4689170.8/33

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

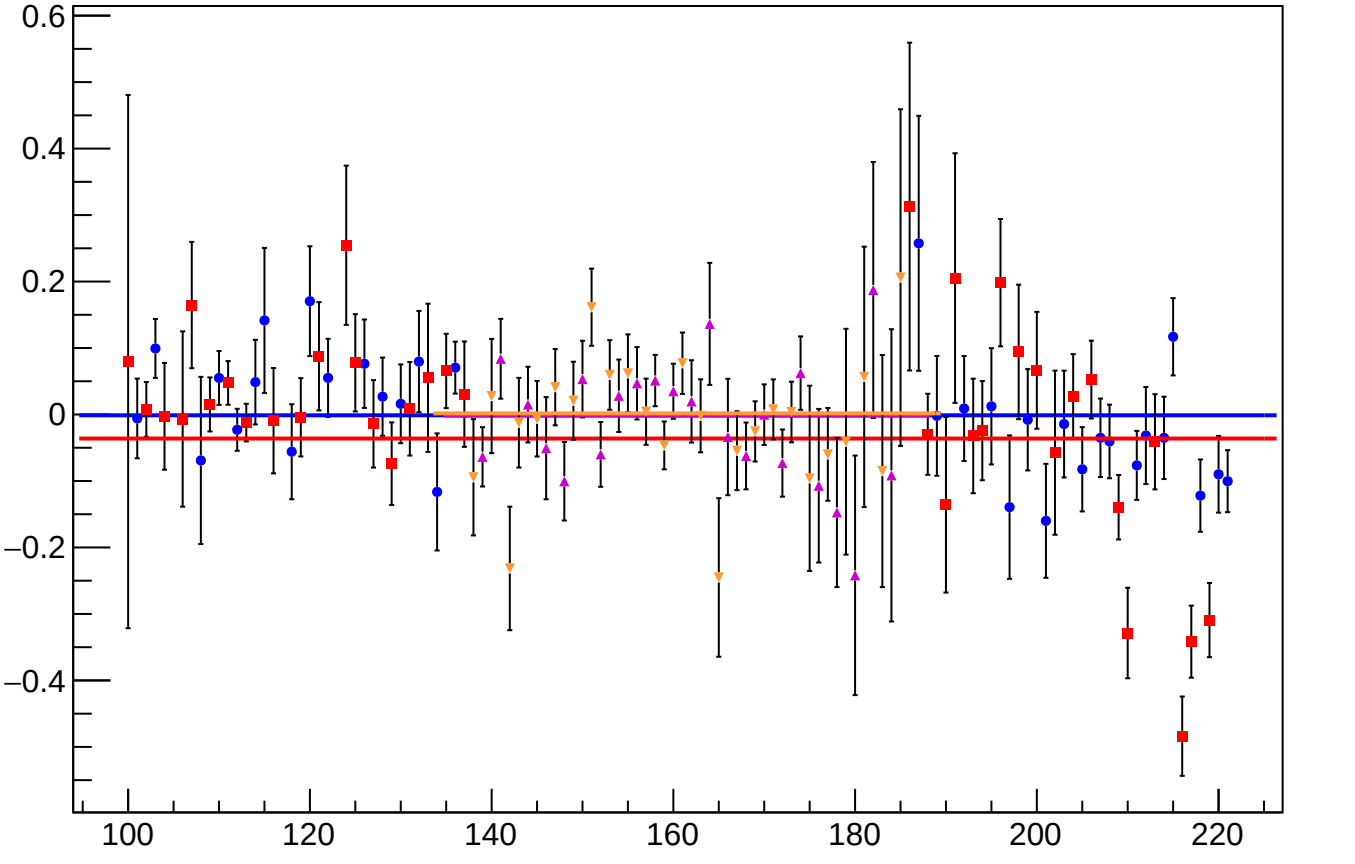
Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015720.0/58

All: 45.840+/-0.004 χ^2/NDF: 18937488.1/118

- sign 45.072+/-0.006 χ^2/NDF: 9884724.2/59



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

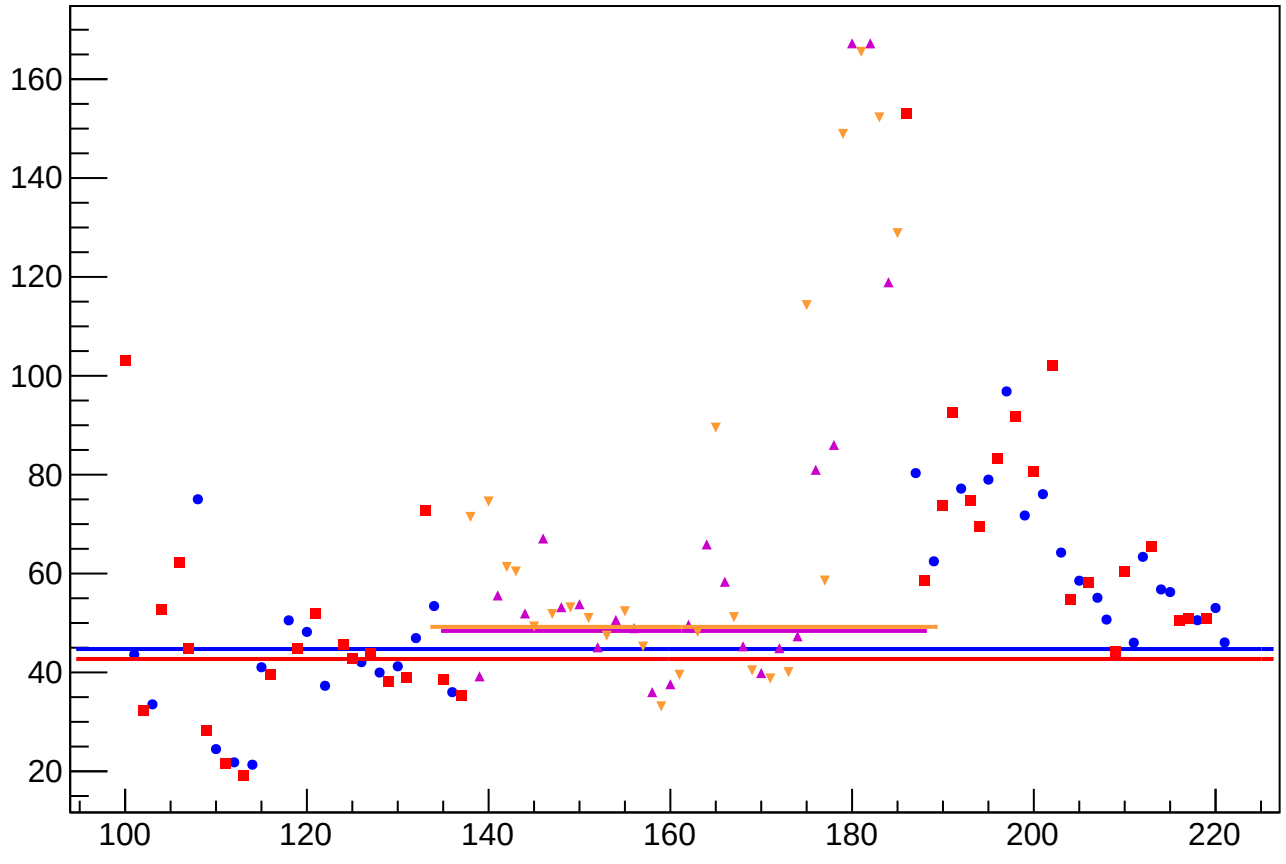
Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.011+/-0.006 χ^2/NDF: 299.7/118

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59



Right In: 44.735+/-0.007 χ^2/NDF: 4689170.8/33

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

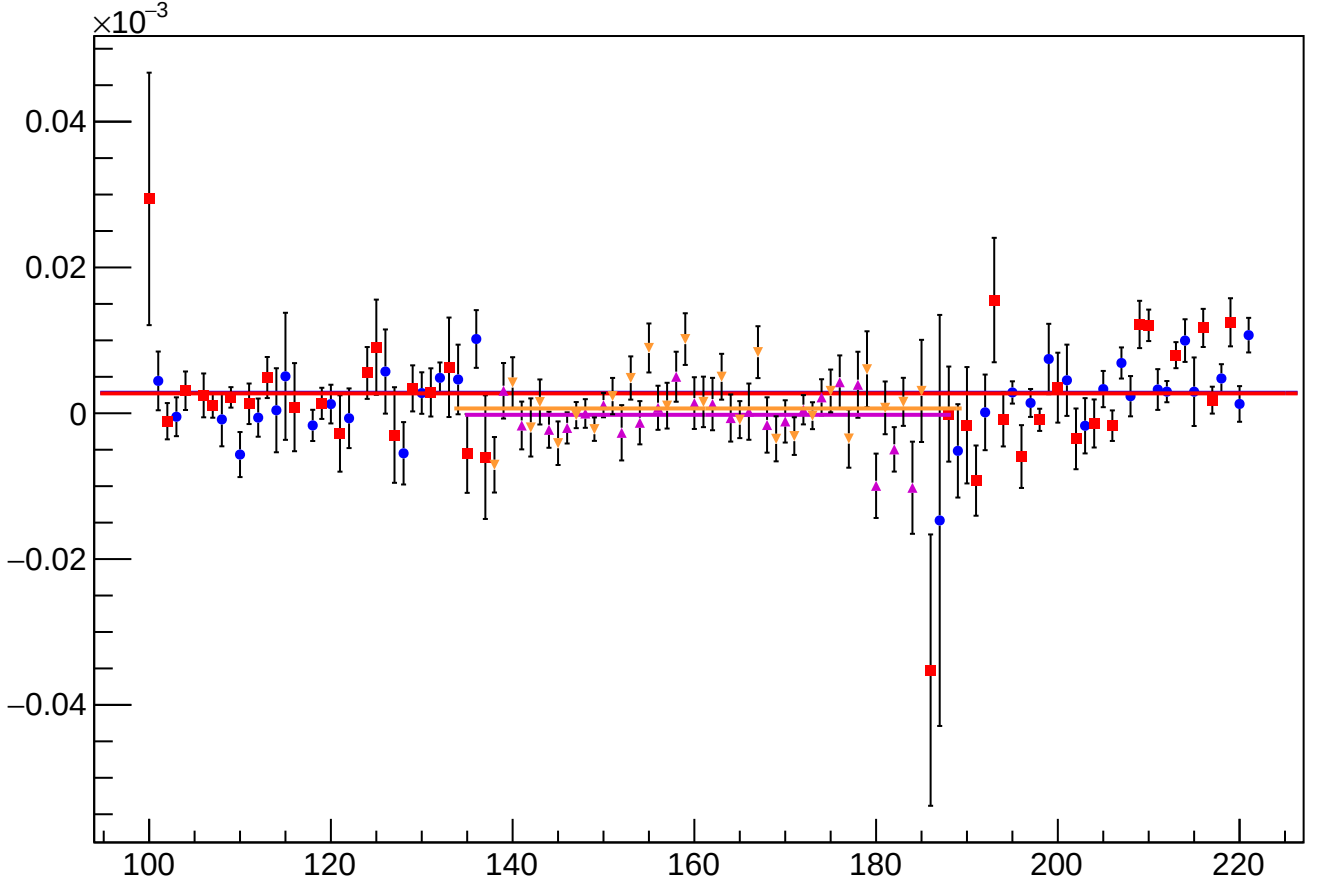
Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015720.0/58

All: 45.840+/-0.004 χ^2/NDF: 18937488.1/118

- sign 45.072+/-0.006 χ^2/NDF: 9884724.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 53.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

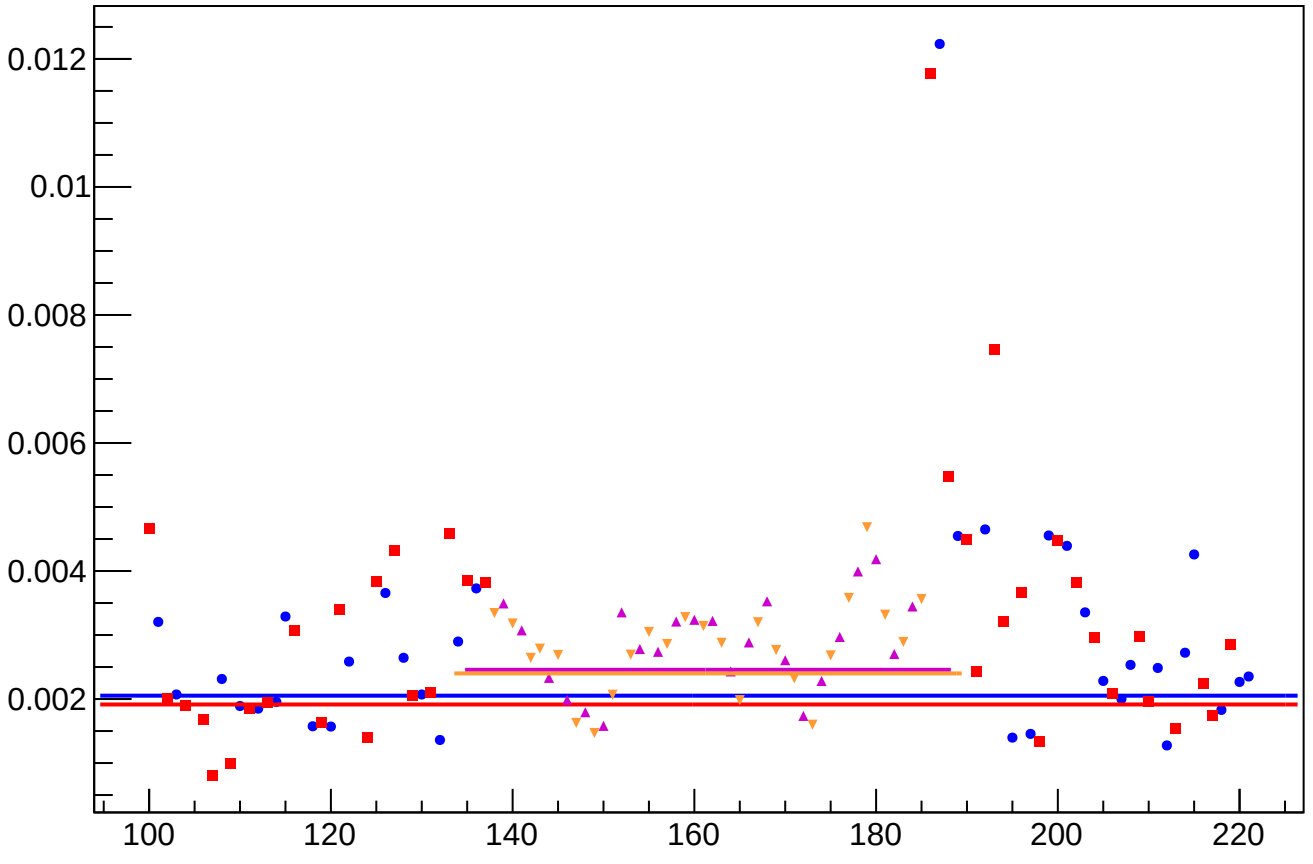
Right Out: 0.000+/-0.000 χ^2/NDF: 103.1/36

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.6/58

All: 0.000+/-0.000 χ^2/NDF: 241.5/118

- sign 0.000+/-0.000 χ^2/NDF: 137.6/59



Right In: 0.002+/-0.000 χ^2/NDF: 5437502.2/33

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

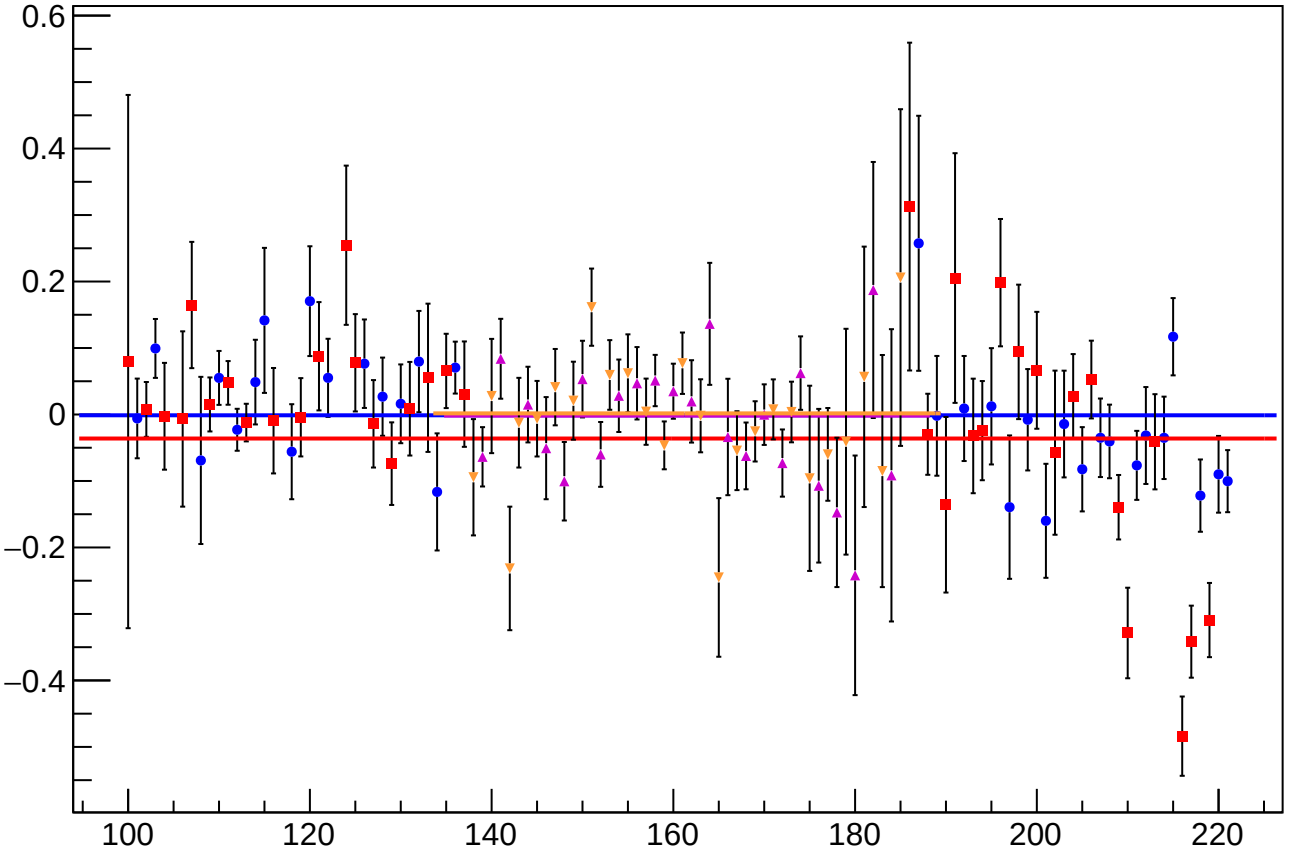
Right Out: 0.002+/-0.000 χ^2/NDF: 8091961.3/36

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 8993689.2/58

All: 0.002+/-0.000 χ^2/NDF: 20757622.0/118

- sign 0.002+/-0.000 χ^2/NDF: 11724145.8/59



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

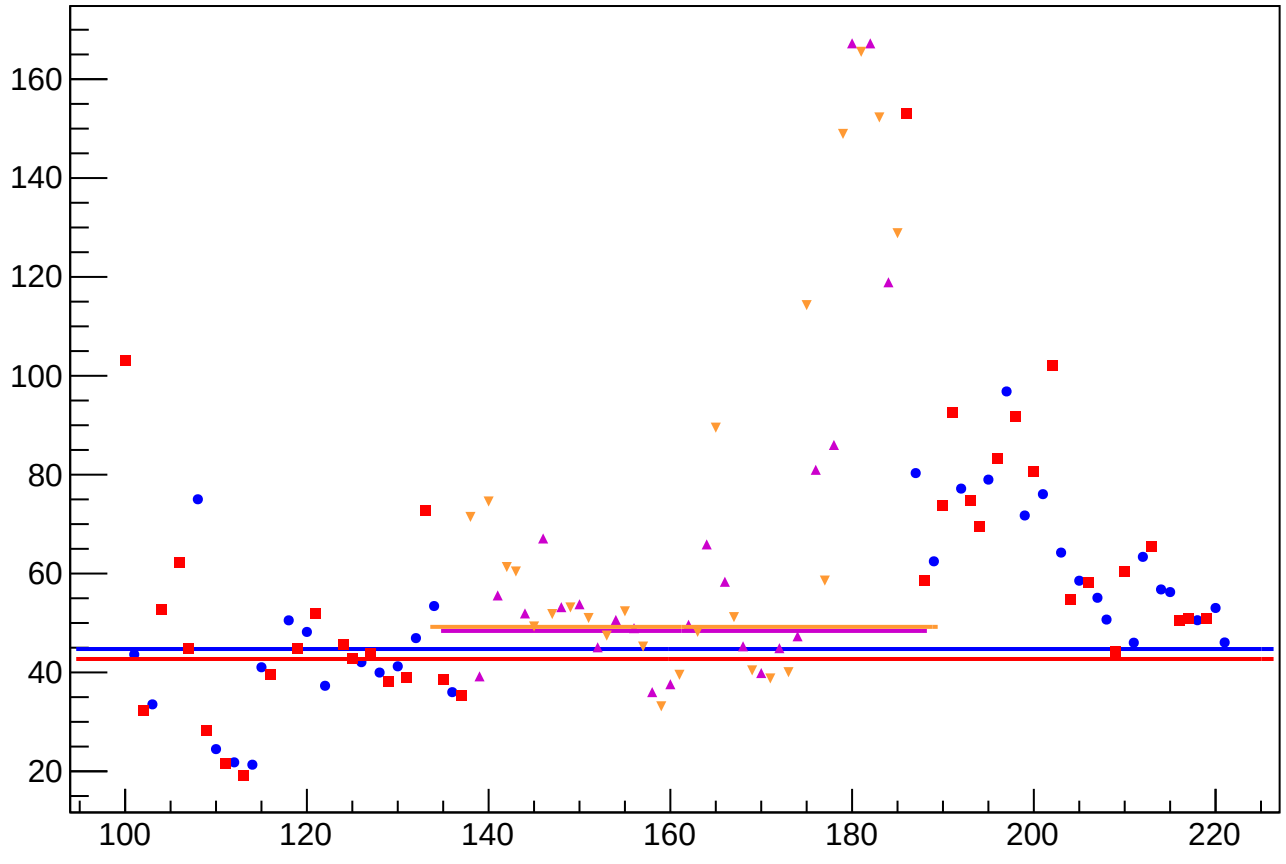
Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.011+/-0.006 χ^2/NDF: 299.7/118

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59



Right In: 44.735+/-0.007 χ^2/NDF: 4689011.9/33

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

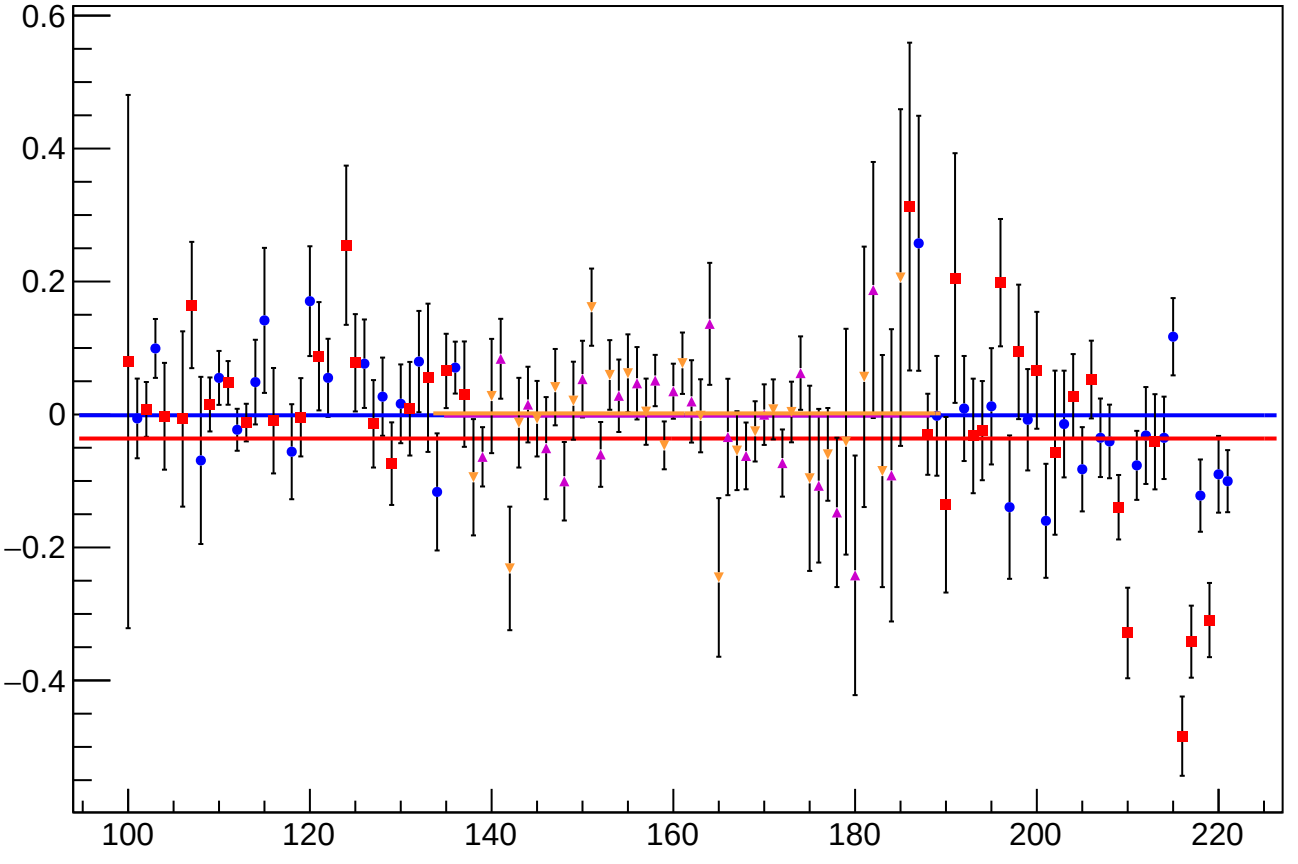
Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015551.9/58

All: 45.841+/-0.004 χ^2/NDF: 18937185.4/118

- sign 45.073+/-0.006 χ^2/NDF: 9884593.7/59



Right In: -0.001+/-0.010 χ^2/NDF: 51.8/33

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

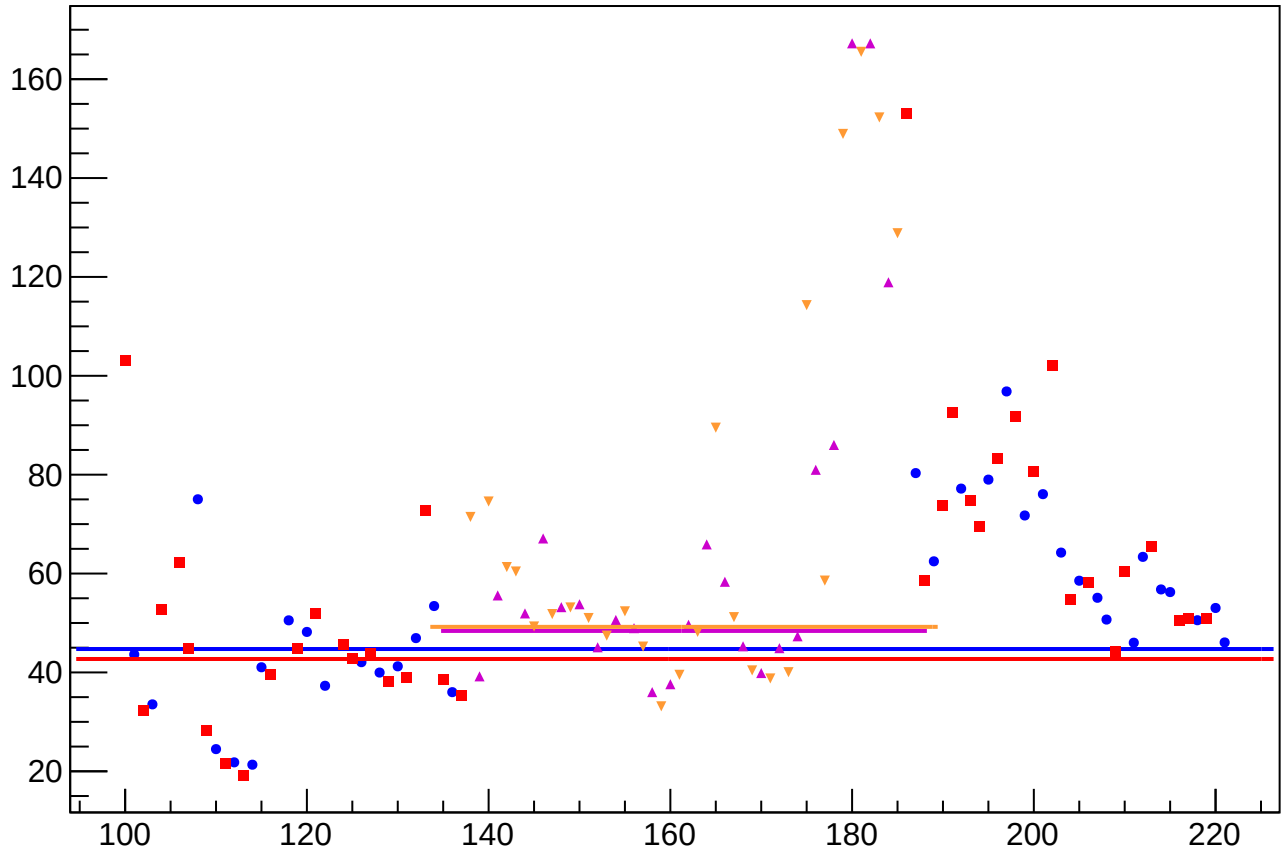
Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.000+/-0.008 χ^2/NDF: 82.3/58

All: -0.011+/-0.006 χ^2/NDF: 299.7/118

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59



Right In: 44.735+/-0.007 χ^2/NDF: 4689011.9/33

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

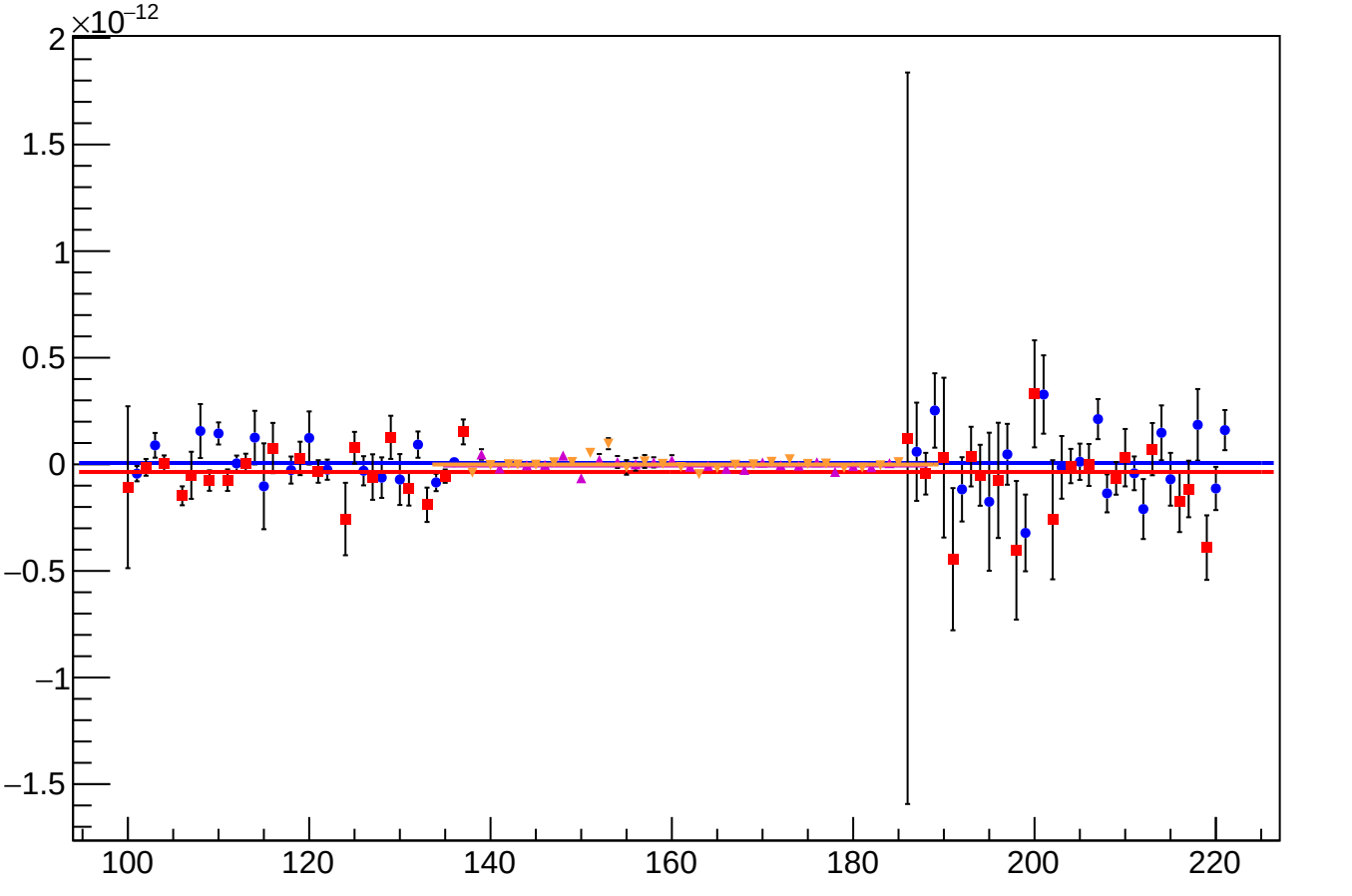
Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.603+/-0.006 χ^2/NDF: 9015551.9/58

All: 45.841+/-0.004 χ^2/NDF: 18937185.4/118

- sign 45.073+/-0.006 χ^2/NDF: 9884593.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 50.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

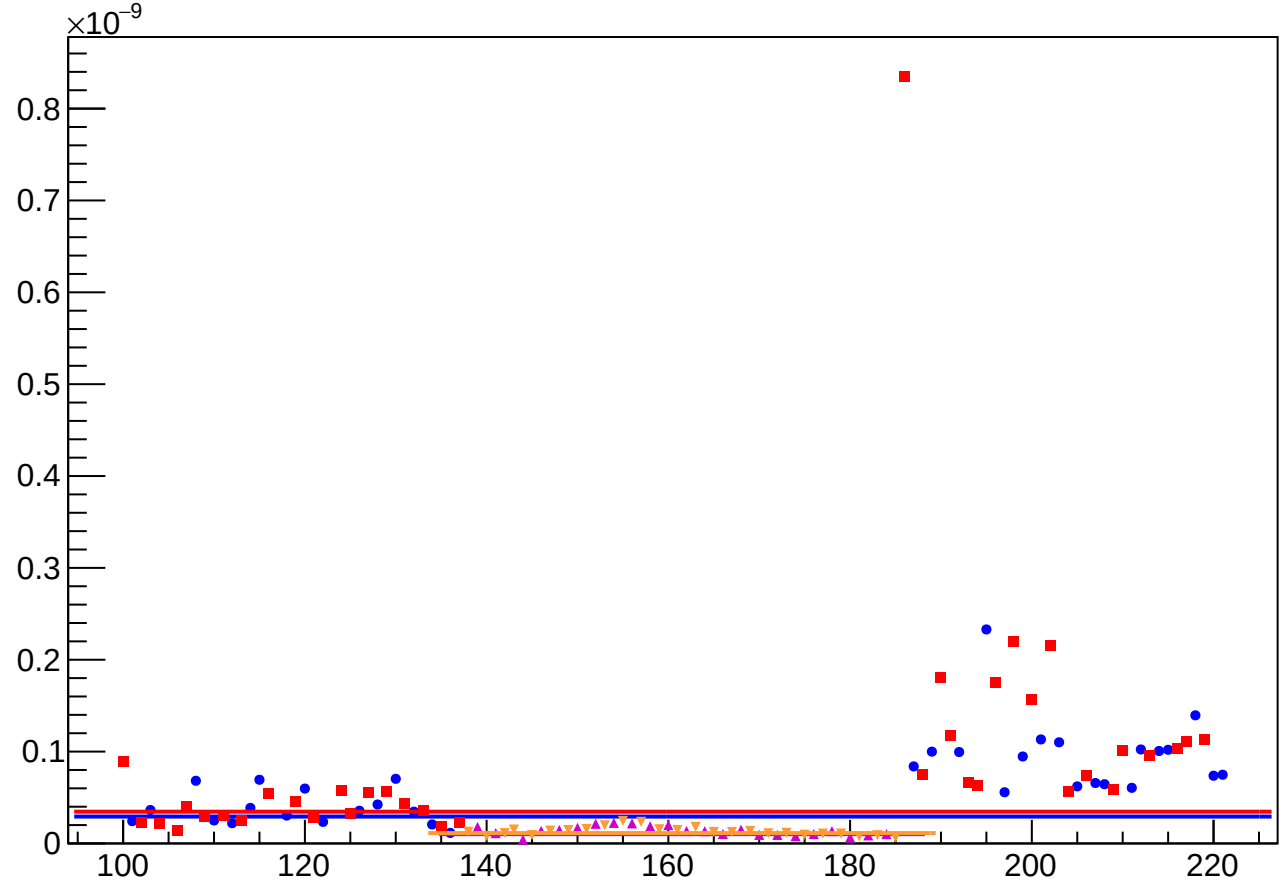
Right Out: -0.000+/-0.000 χ^2/NDF: 47.7/36

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.4/58

All: -0.000+/-0.000 χ^2/NDF: 172.1/118

- sign -0.000+/-0.000 χ^2/NDF: 82.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 10898420.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9231722.2/36

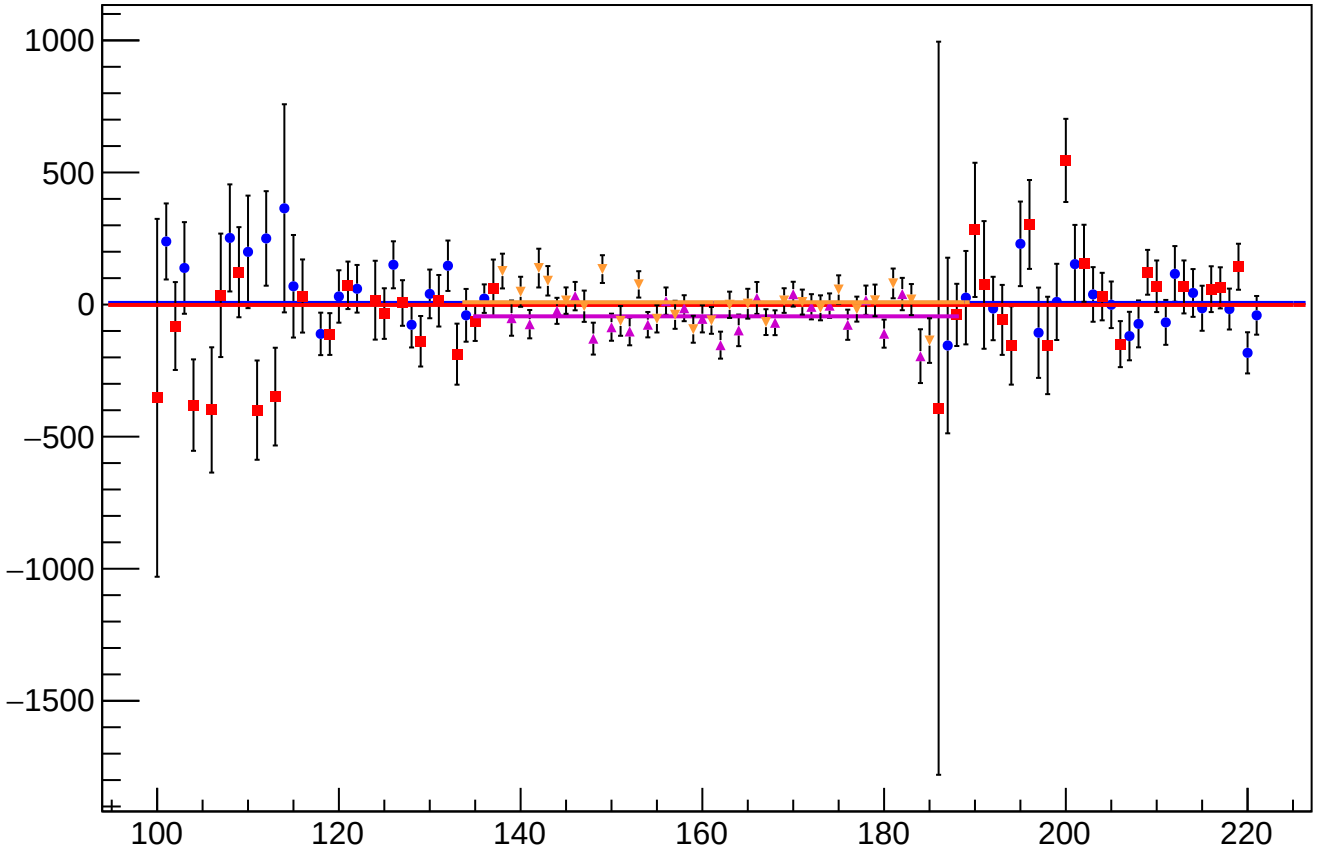
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18352084.3/58

All: 0.000+/-0.000 χ^2/NDF: 39395169.9/118

- sign 0.000+/-0.000 χ^2/NDF: 20910473.6/59

reg_asym_sam_1526_avg_mean vs Slug



Right In: 6.239+/-17.525 χ^2/NDF: 31.9/33

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -1.447+/-18.998 χ^2/NDF: 55.3/36

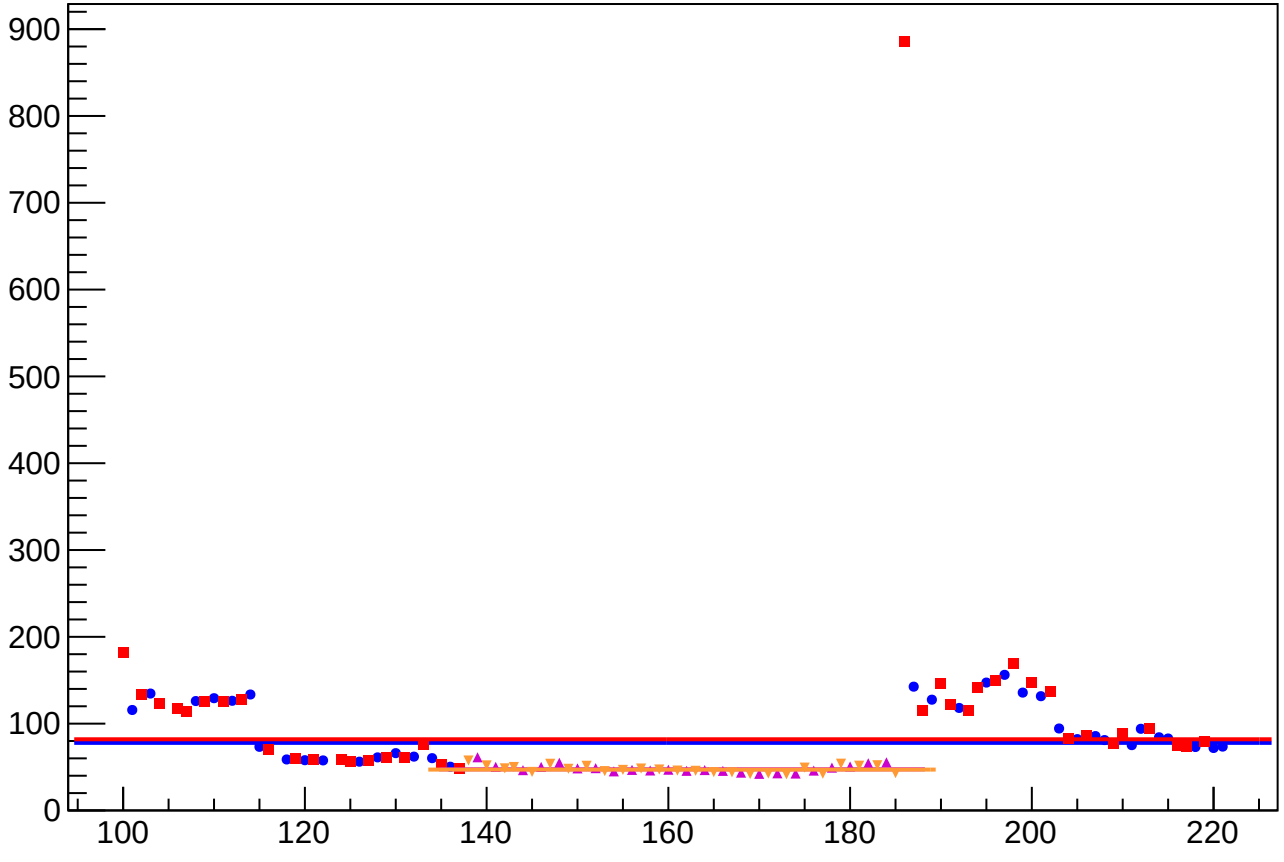
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 8.066+/-9.176 χ^2/NDF: 66.5/58

All: -11.746+/-6.638 χ^2/NDF: 162.4/118

- sign -33.502+/-9.615 χ^2/NDF: 86.1/59

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.862+/-0.012 χ^2/NDF: 3933362.3/33

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

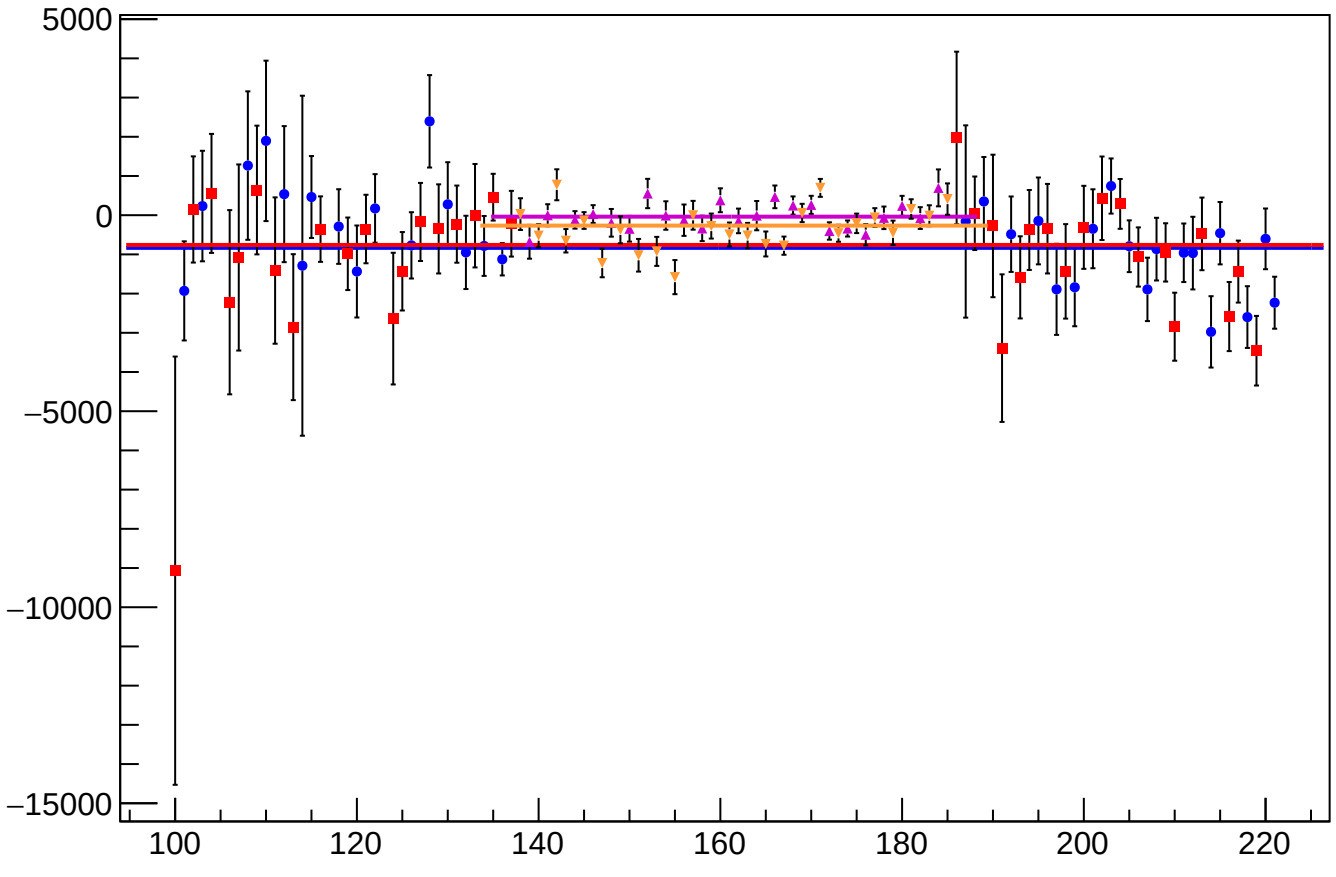
Right Out: 81.989+/-0.013 χ^2/NDF: 5072428.3/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.506+/-0.006 χ^2/NDF: 8704377.0/58

All: 55.860+/-0.005 χ^2/NDF: 18990298.6/118

- sign 56.248+/-0.007 χ^2/NDF: 10279689.7/59



Right In: -832.621+/-154.114 χ^2/NDF: 43.4/33

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -759.249+/-169.195 χ^2/NDF: 44.0/36

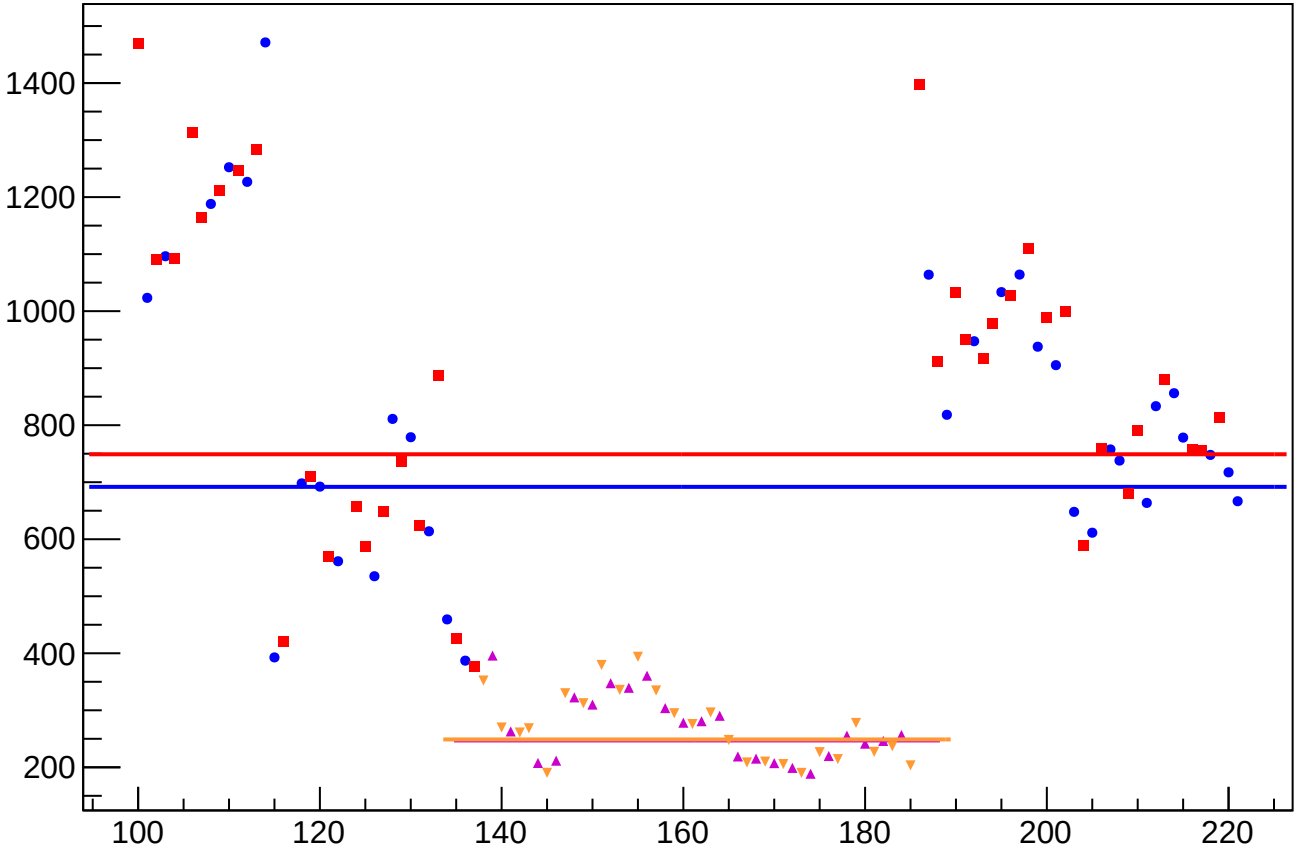
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -336.086+/-54.309 χ^2/NDF: 125.1/58

All: -229.185+/-38.934 χ^2/NDF: 219.8/118

- sign -116.152+/-55.844 χ^2/NDF: 86.8/59

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 691.857+/-0.109 χ^2/NDF: 3477611.9/33

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 748.997+/-0.120 χ^2/NDF: 3588043.1/36

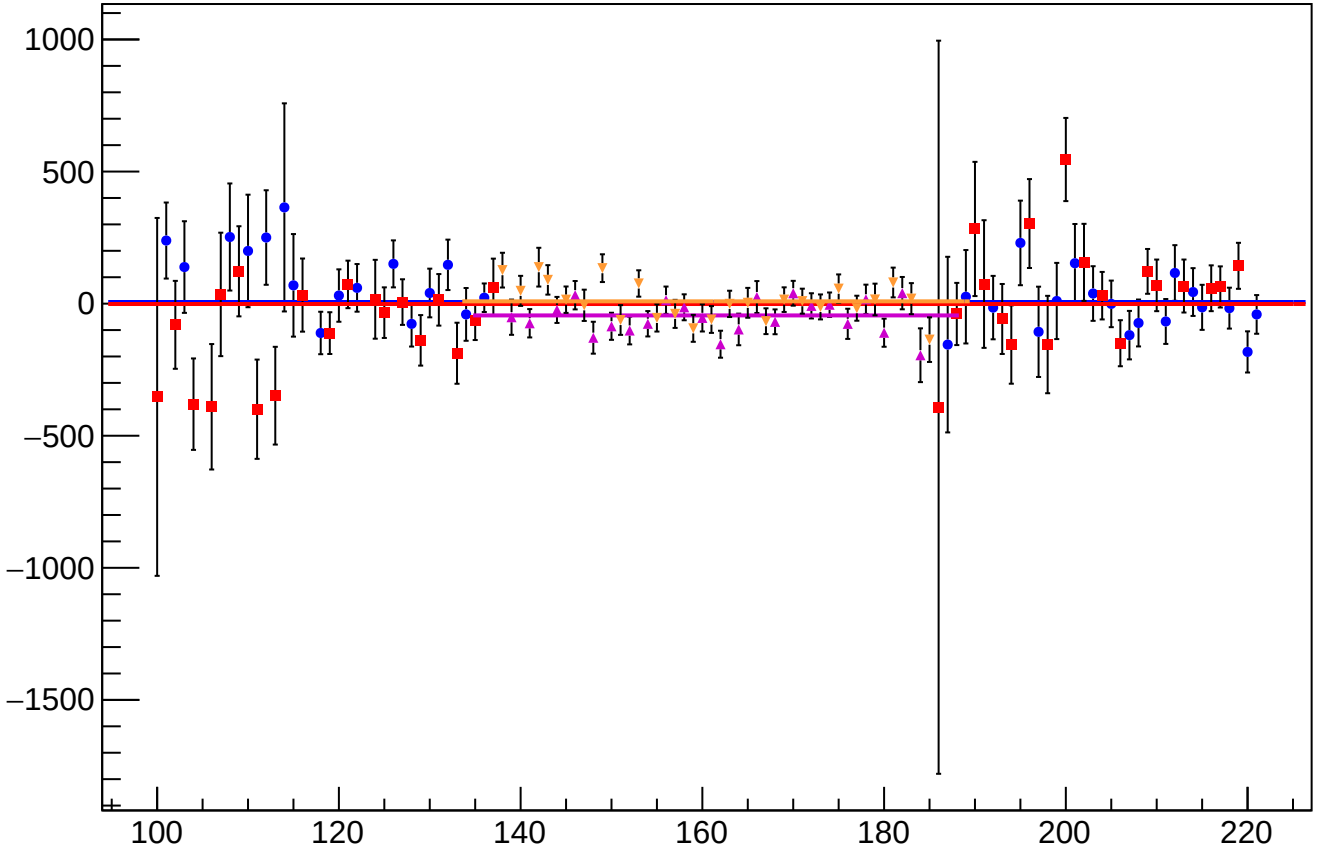
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 303.899+/-0.038 χ^2/NDF: 19612379.7/58

All: 302.871+/-0.028 χ^2/NDF: 40367450.0/11

- sign 301.784+/-0.039 χ^2/NDF: 20753596.5/59

cor_asym_sam_1526_avg_mean vs Slug



Right In: 6.234+/-17.525 χ^2/NDF: 31.9/33

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -1.372+/-18.998 χ^2/NDF: 55.2/36

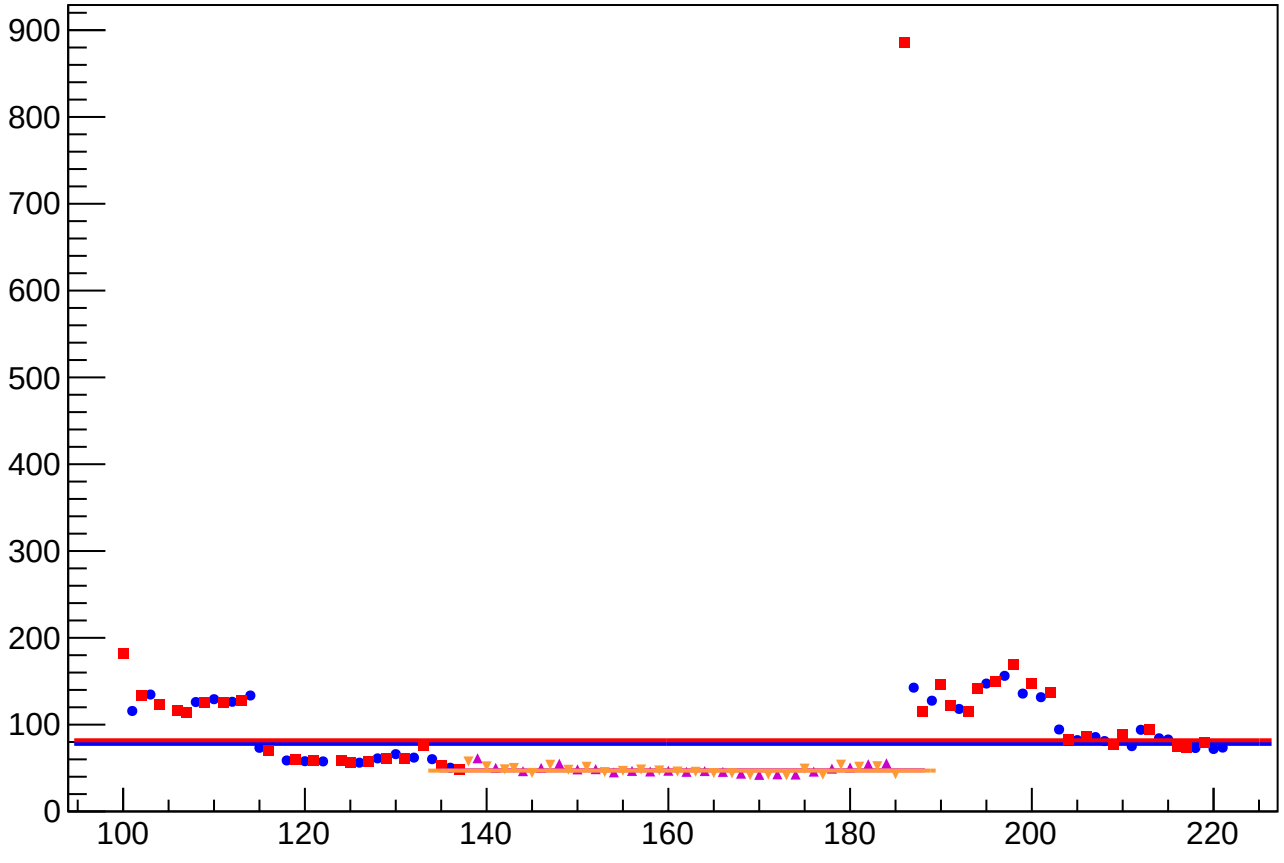
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 8.066+/-9.176 χ^2/NDF: 66.5/58

All: -11.736+/-6.638 χ^2/NDF: 162.3/118

- sign -33.482+/-9.615 χ^2/NDF: 86.0/59

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.862+/-0.012 χ^2/NDF: 3933364.6/33

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

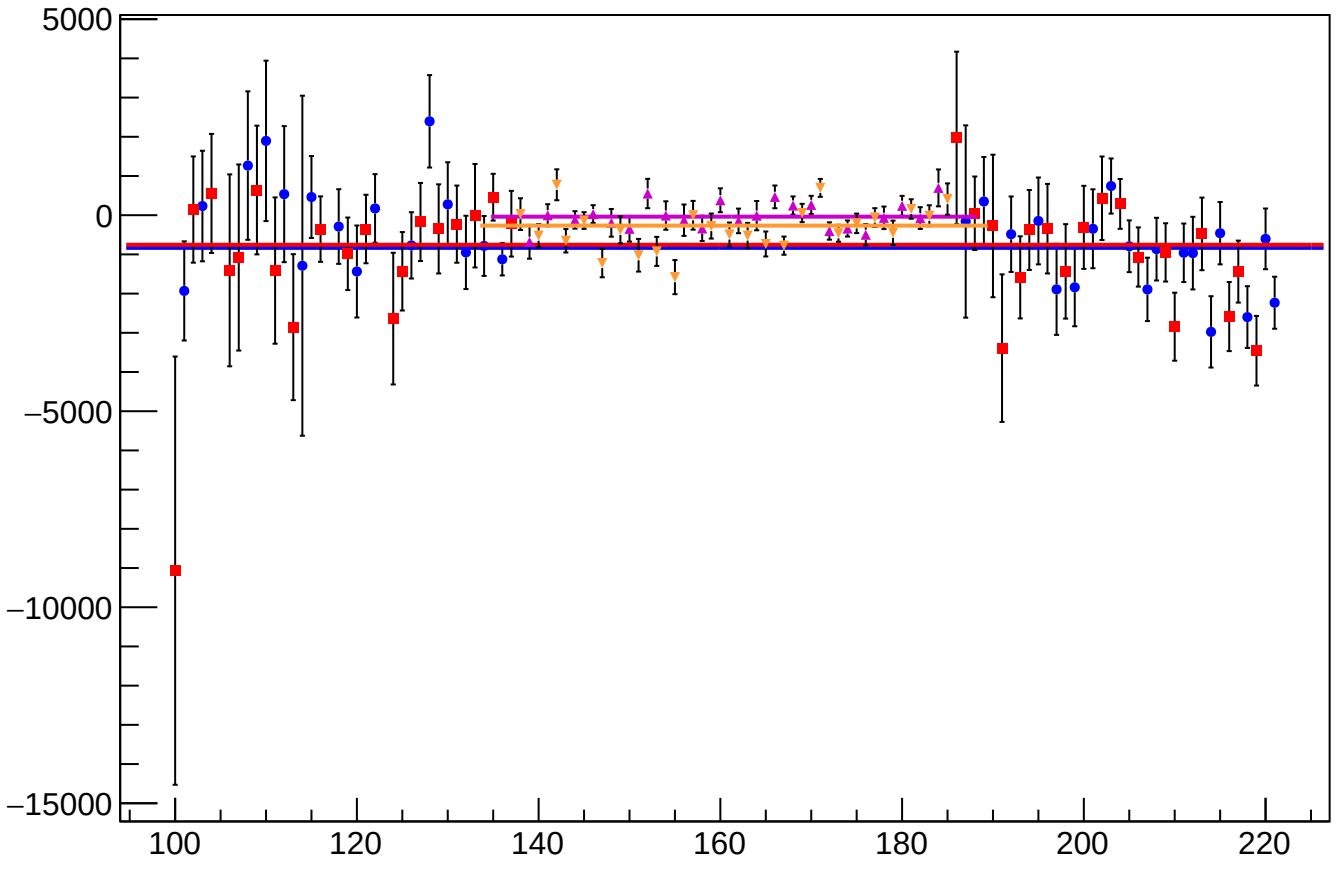
Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.506+/-0.006 χ^2/NDF: 8704379.1/58

All: 55.859+/-0.005 χ^2/NDF: 18985912.6/118

- sign 56.246+/-0.007 χ^2/NDF: 10275334.0/59



Right In: -832.617+/-154.114 χ^2/NDF: 43.4/33

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -754.821+/-169.231 χ^2/NDF: 43.6/36

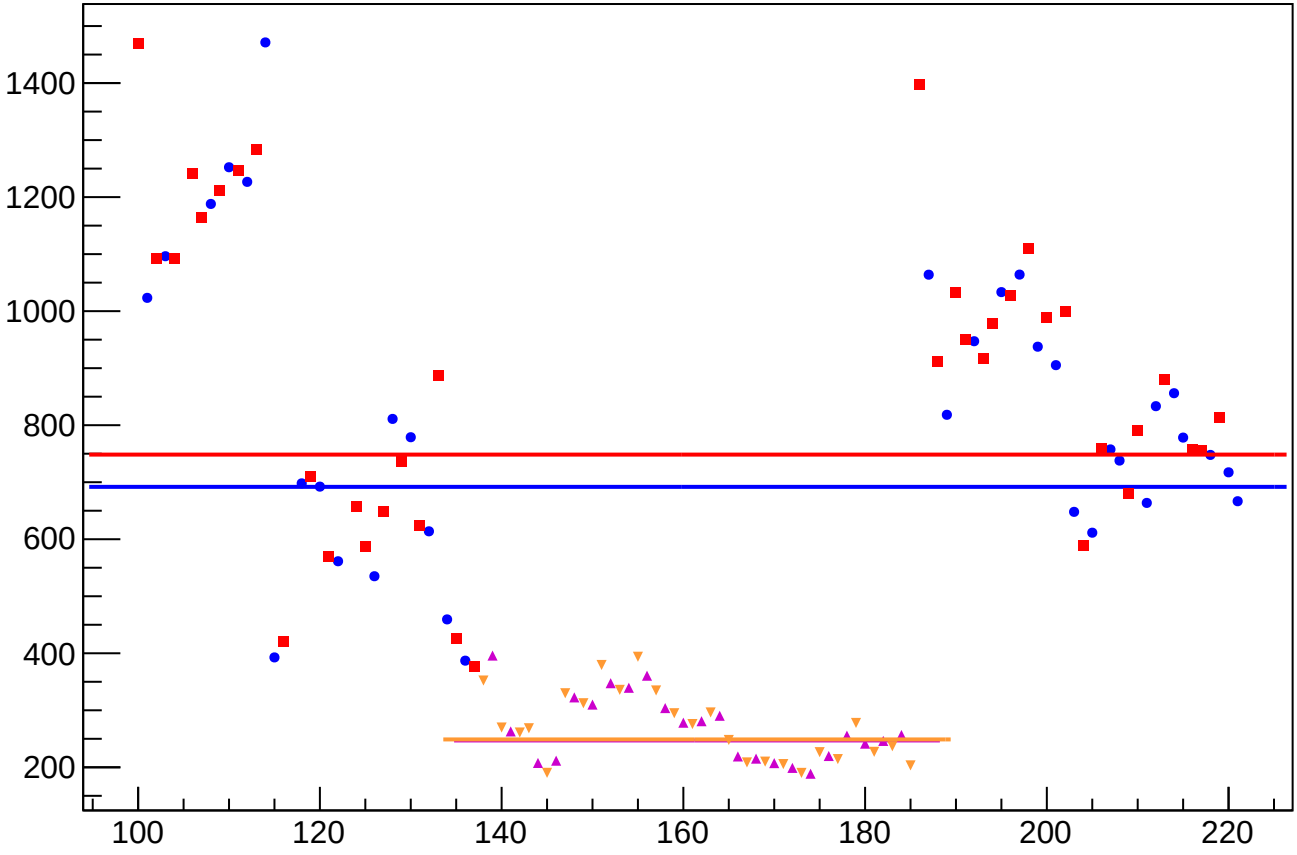
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -336.082+/-54.309 χ^2/NDF: 125.1/58

All: -228.935+/-38.934 χ^2/NDF: 219.3/118

- sign -115.637+/-55.846 χ^2/NDF: 86.3/59

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 691.857+/-0.109 χ^2/NDF: 3477651.6/33

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

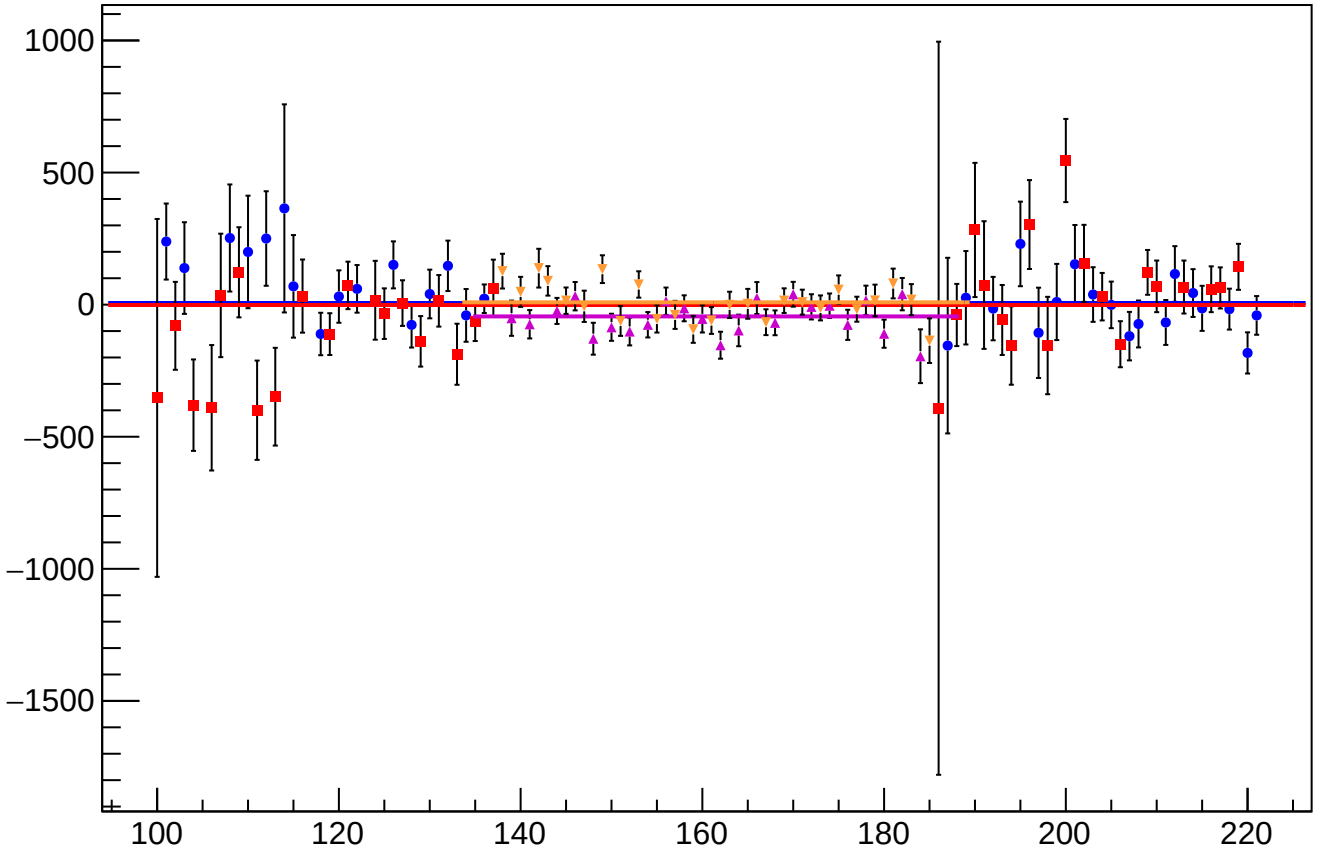
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 303.898+/-0.038 χ^2/NDF: 19612429.8/58

All: 302.830+/-0.028 χ^2/NDF: 40291992.5/11

- sign 301.701+/-0.039 χ^2/NDF: 20677971.7/59

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 6.234+/-17.525 χ^2/NDF: 31.9/33

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -1.372+/-18.998 χ^2/NDF: 55.2/36

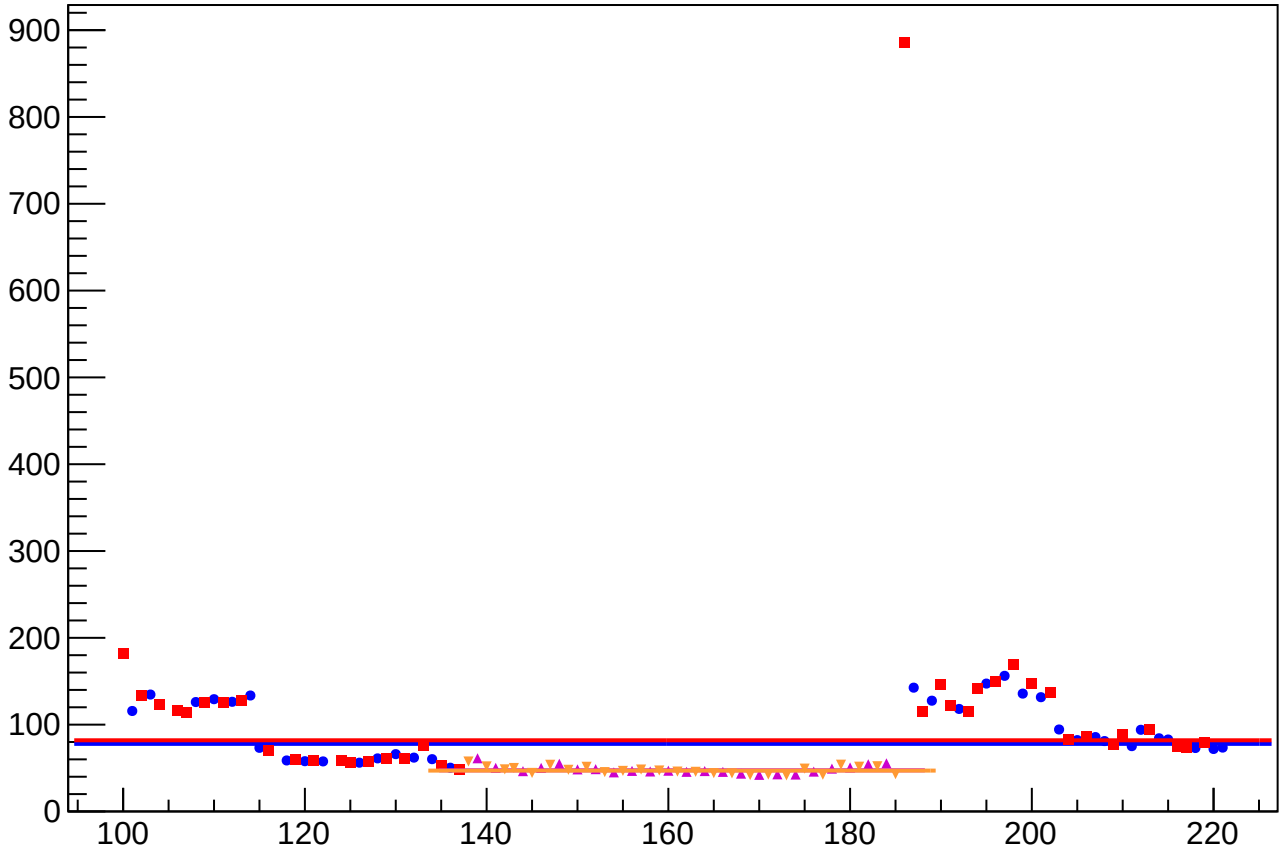
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 8.066+/-9.176 χ^2/NDF: 66.5/58

All: -11.736+/-6.638 χ^2/NDF: 162.3/118

- sign -33.482+/-9.615 χ^2/NDF: 86.0/59

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.862+/-0.012 χ^2/NDF: 3933364.6/33

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

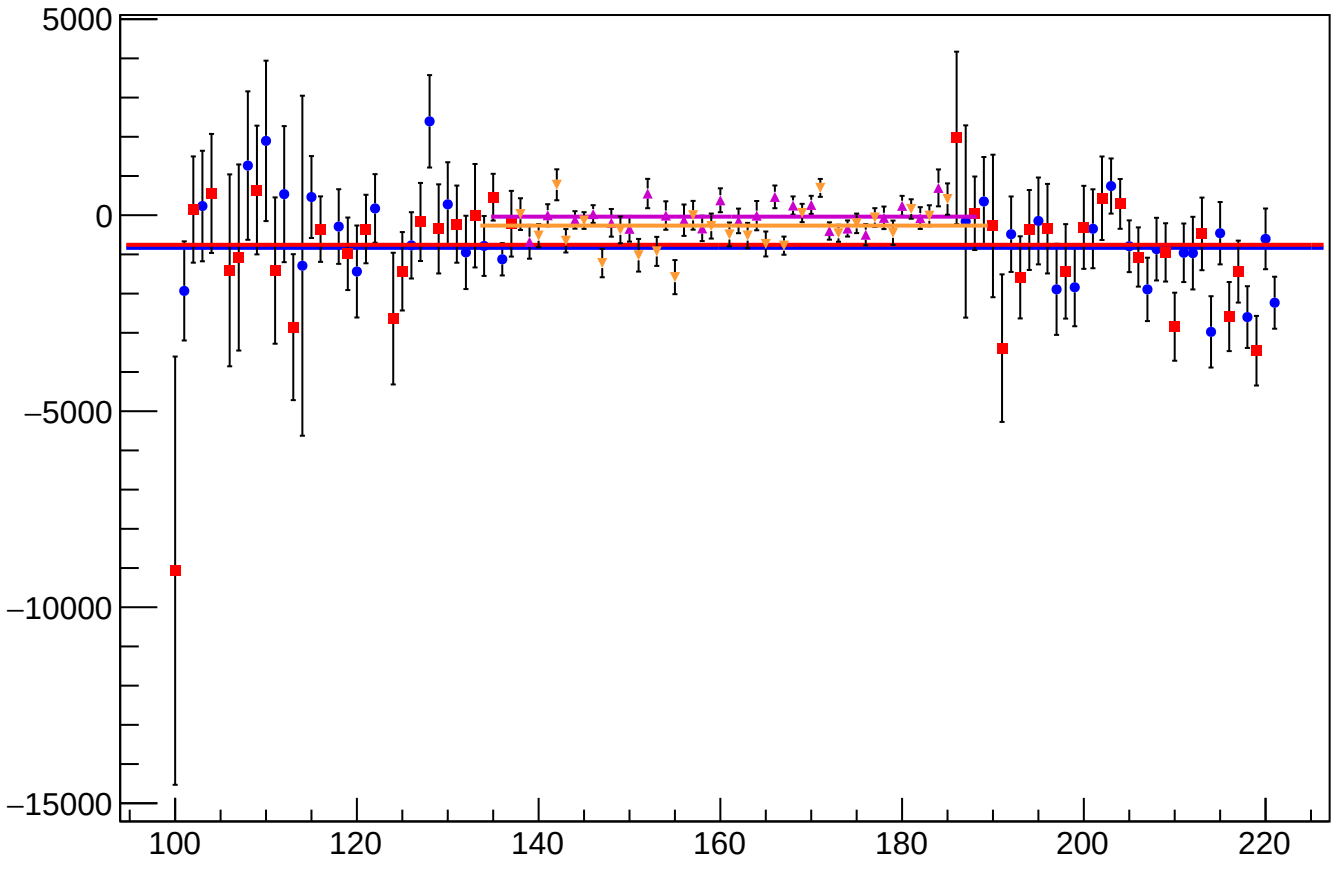
Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.506+/-0.006 χ^2/NDF: 8704379.1/58

All: 55.859+/-0.005 χ^2/NDF: 18985912.6/118

- sign 56.246+/-0.007 χ^2/NDF: 10275334.0/59



Right In: -832.617+/-154.114 χ^2/NDF: 43.4/33

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

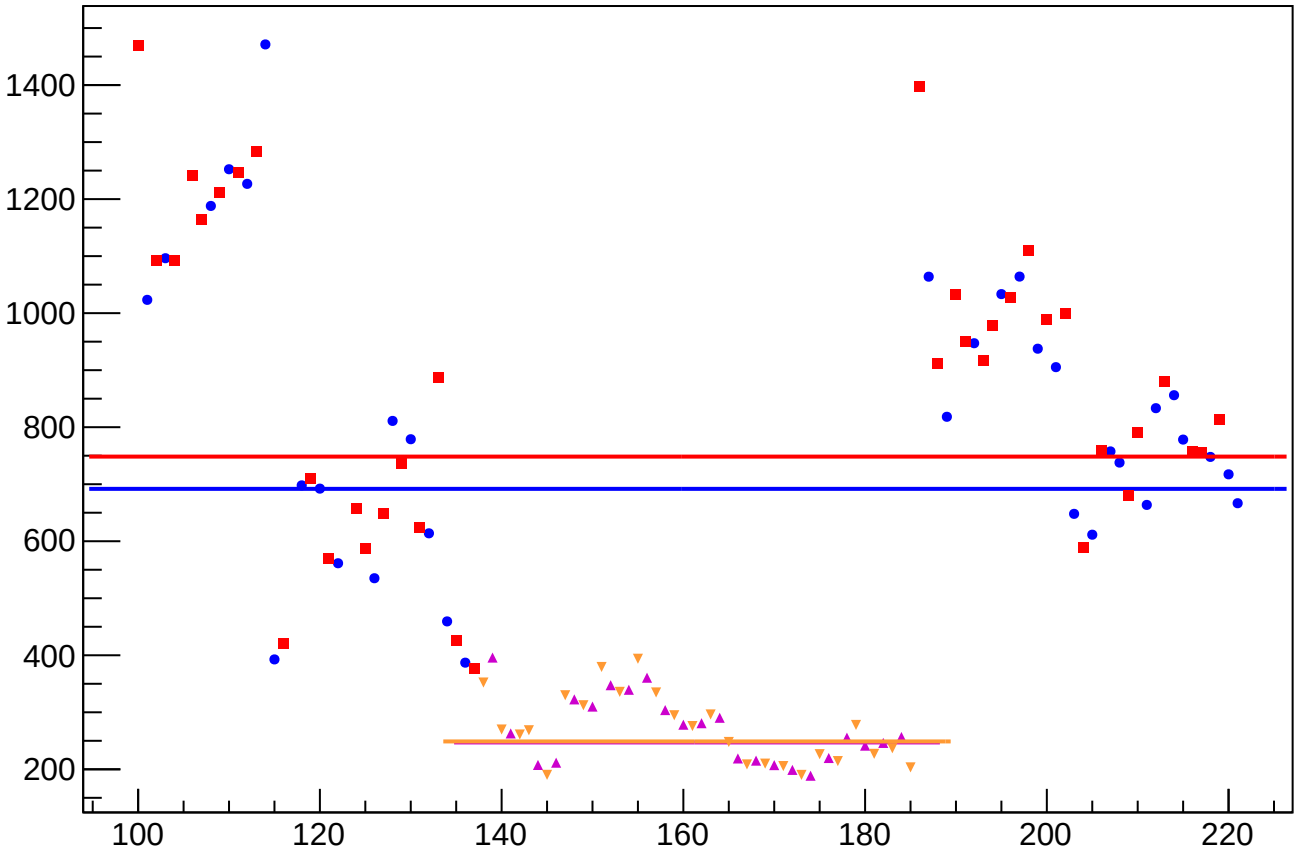
Right Out: -754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

\+ sign -336.082+/-54.309 χ^2/NDF: 125.1/58

All: -228.935+/-38.934 χ^2/NDF: 219.3/118

\- sign -115.637+/-55.846 χ^2/NDF: 86.3/59



Right In: 691.857+/-0.109 χ^2/NDF: 3477651.6/33

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

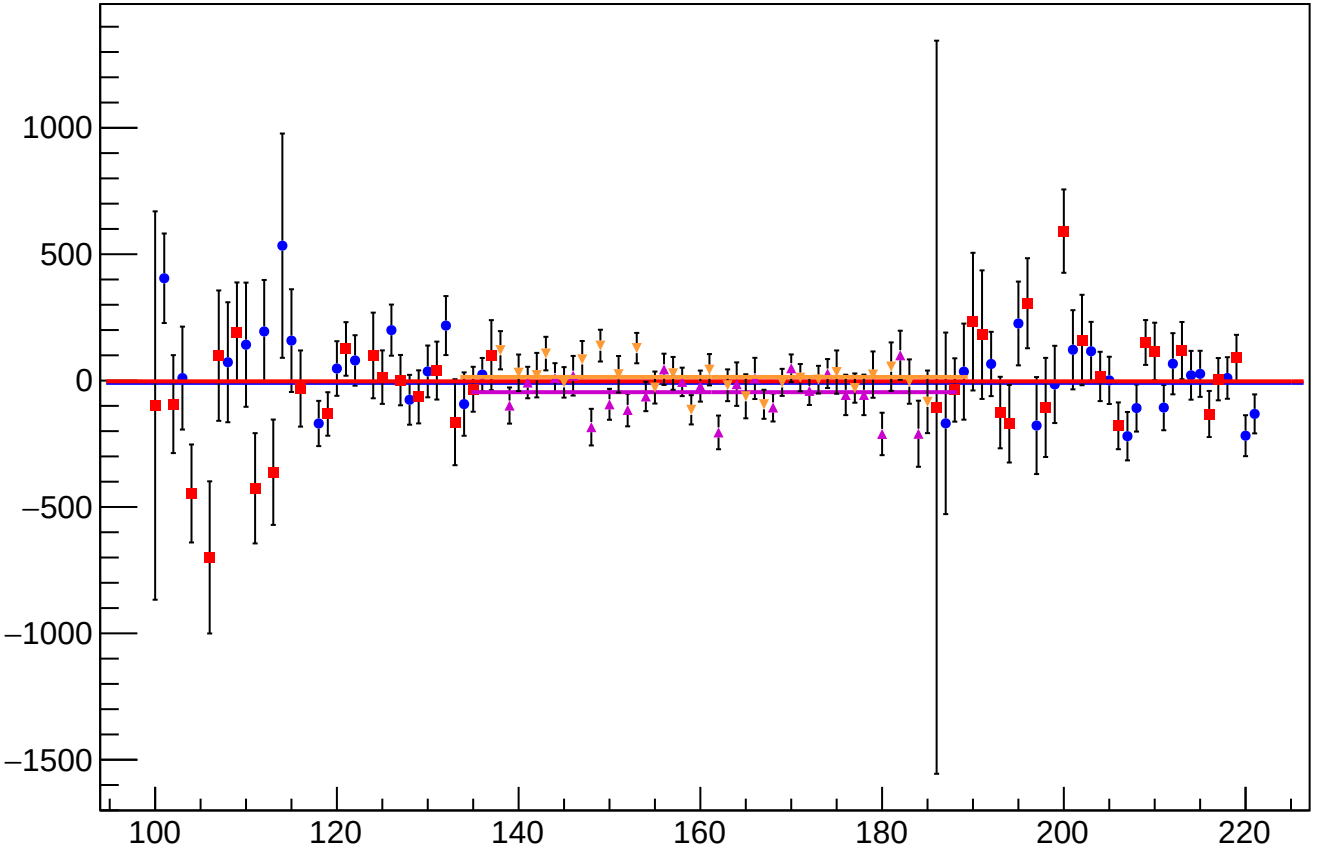
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 303.898+/-0.038 χ^2/NDF: 19612429.8/58

All: 302.830+/-0.028 χ^2/NDF: 40291992.5/11

- sign 301.701+/-0.039 χ^2/NDF: 20677971.7/59

dit_asym_sam_1526_avg_mean vs Slug



Right In: -8.938+/-19.376 χ^2/NDF: 45.1/33

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -2.903+/-21.213 χ^2/NDF: 57.3/36

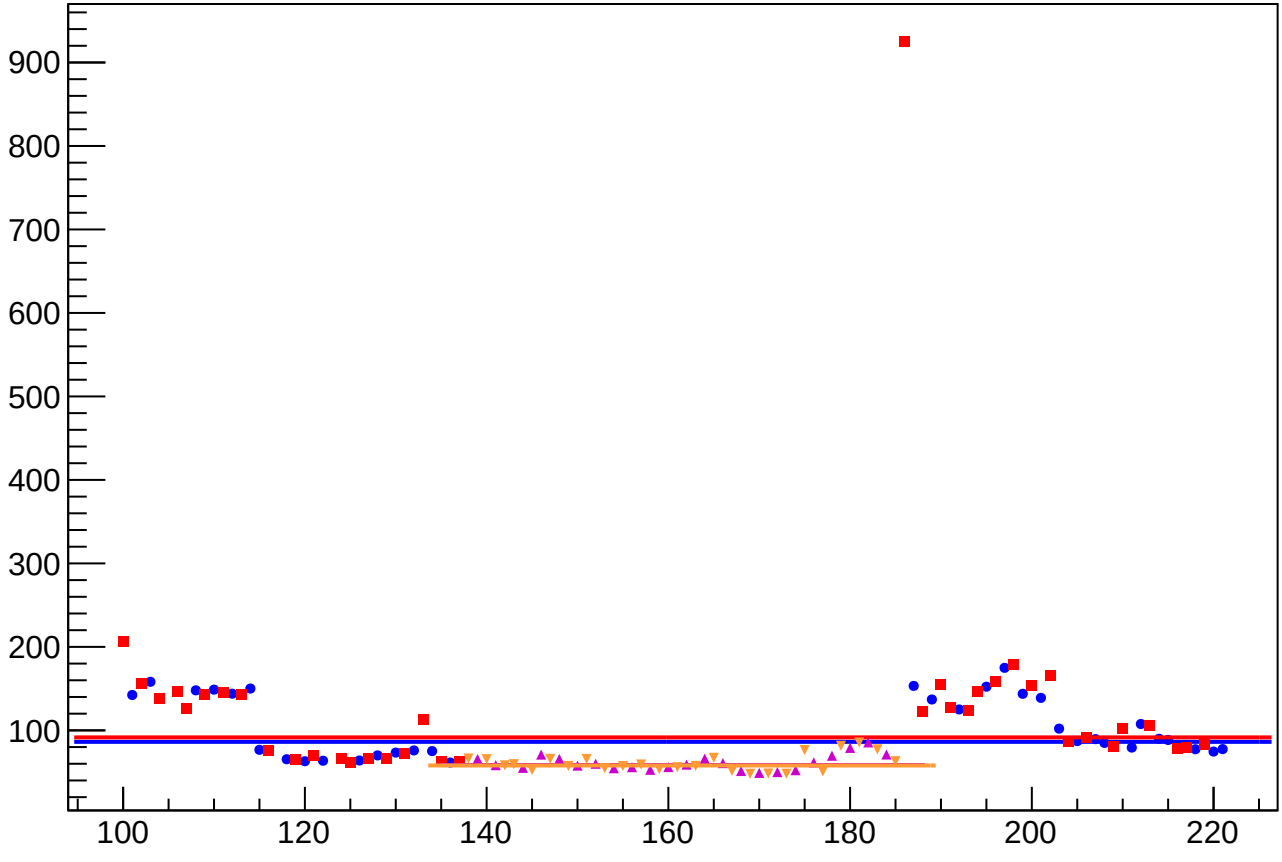
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 6.874+/-11.051 χ^2/NDF: 70.6/58

All: -11.963+/-8.016 χ^2/NDF: 167.6/118

- sign -32.878+/-11.645 χ^2/NDF: 90.9/59

dit_asym_sam_1526_avg_rms vs Slug



Right In: 86.249+/-0.014 χ^2/NDF: 3581869.6/33

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

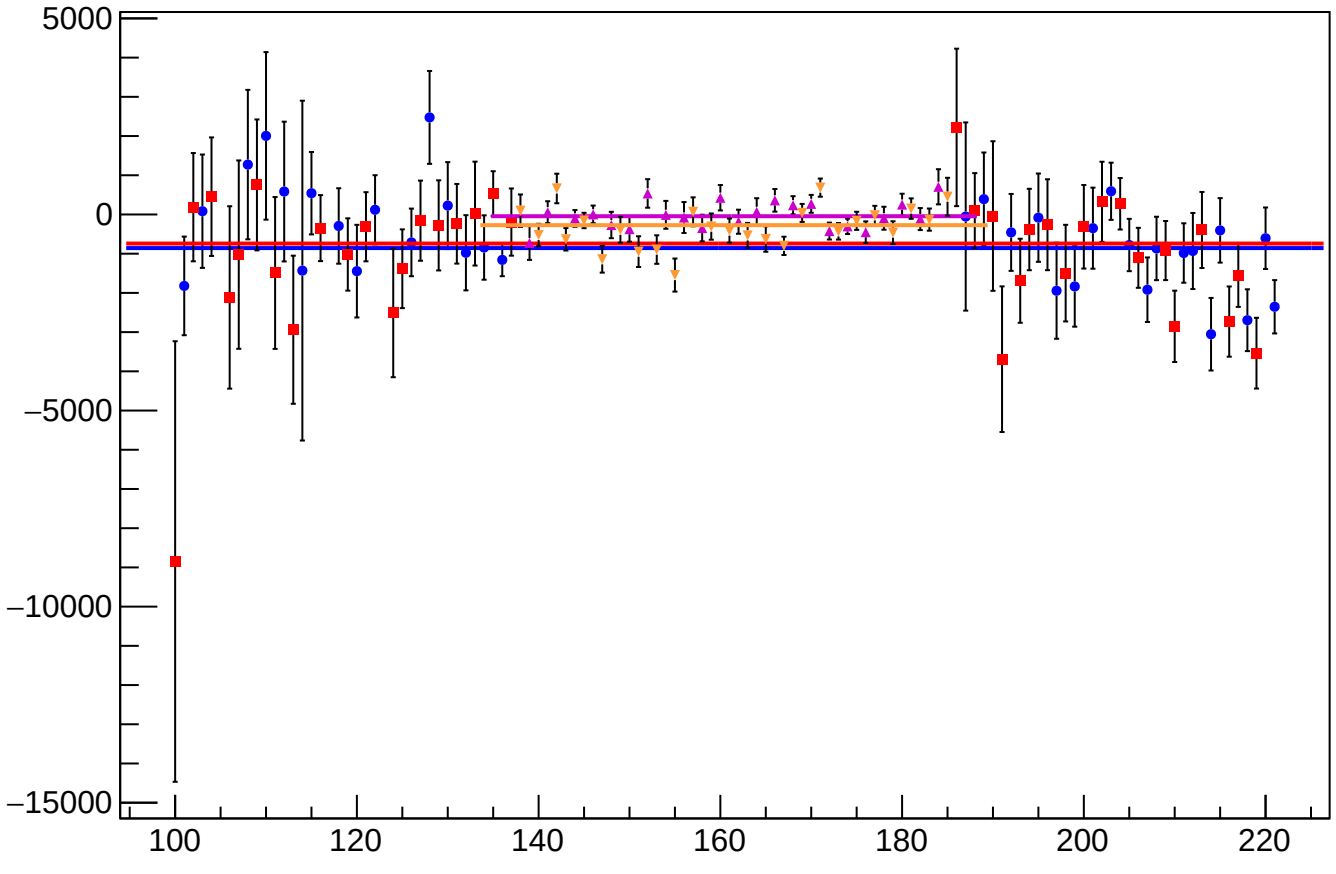
Right Out: 91.596+/-0.015 χ^2/NDF: 4757846.4/36

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 67.166+/-0.008 χ^2/NDF: 7354105.5/58

All: 67.778+/-0.006 χ^2/NDF: 16180428.7/118

- sign 68.458+/-0.008 χ^2/NDF: 8813369.0/59



Right In: -857.104+/-157.296 χ^2/NDF: 43.5/33

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -741.427+/-171.008 χ^2/NDF: 46.4/36

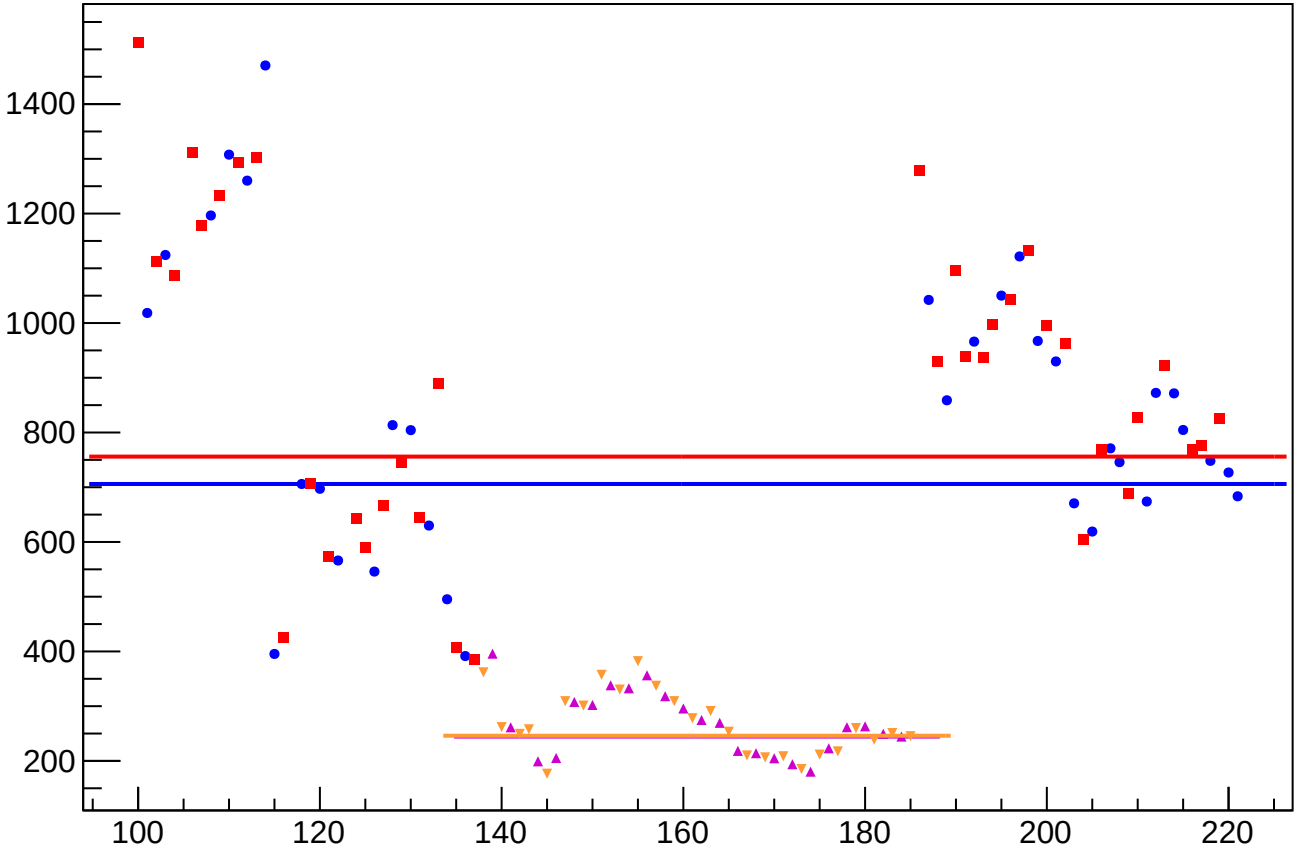
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -340.946+/-53.817 χ^2/NDF: 121.5/58

All: -232.709+/-38.618 χ^2/NDF: 217.6/118

- sign -117.816+/-55.448 χ^2/NDF: 87.8/59

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 705.938+/-0.111 χ^2/NDF: 3522211.0/33

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 755.980+/-0.121 χ^2/NDF: 3722352.2/36

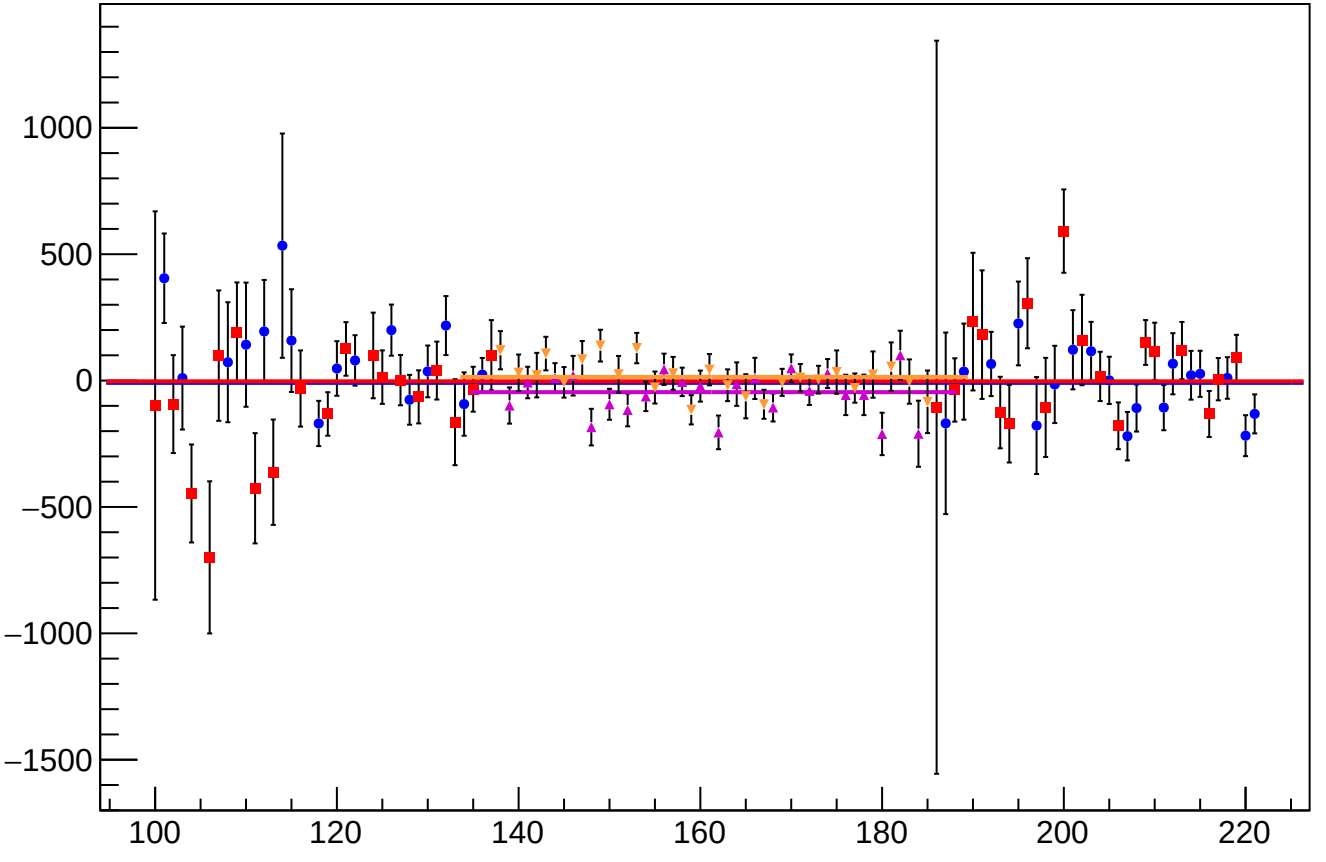
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 299.856+/-0.038 χ^2/NDF: 20299881.0/58

All: 299.066+/-0.027 χ^2/NDF: 41634032.9/11

- sign 298.228+/-0.039 χ^2/NDF: 21333264.5/59

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: -8.936+/-19.376 χ^2/NDF: 45.1/33

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -2.902+/-21.213 χ^2/NDF: 57.3/36

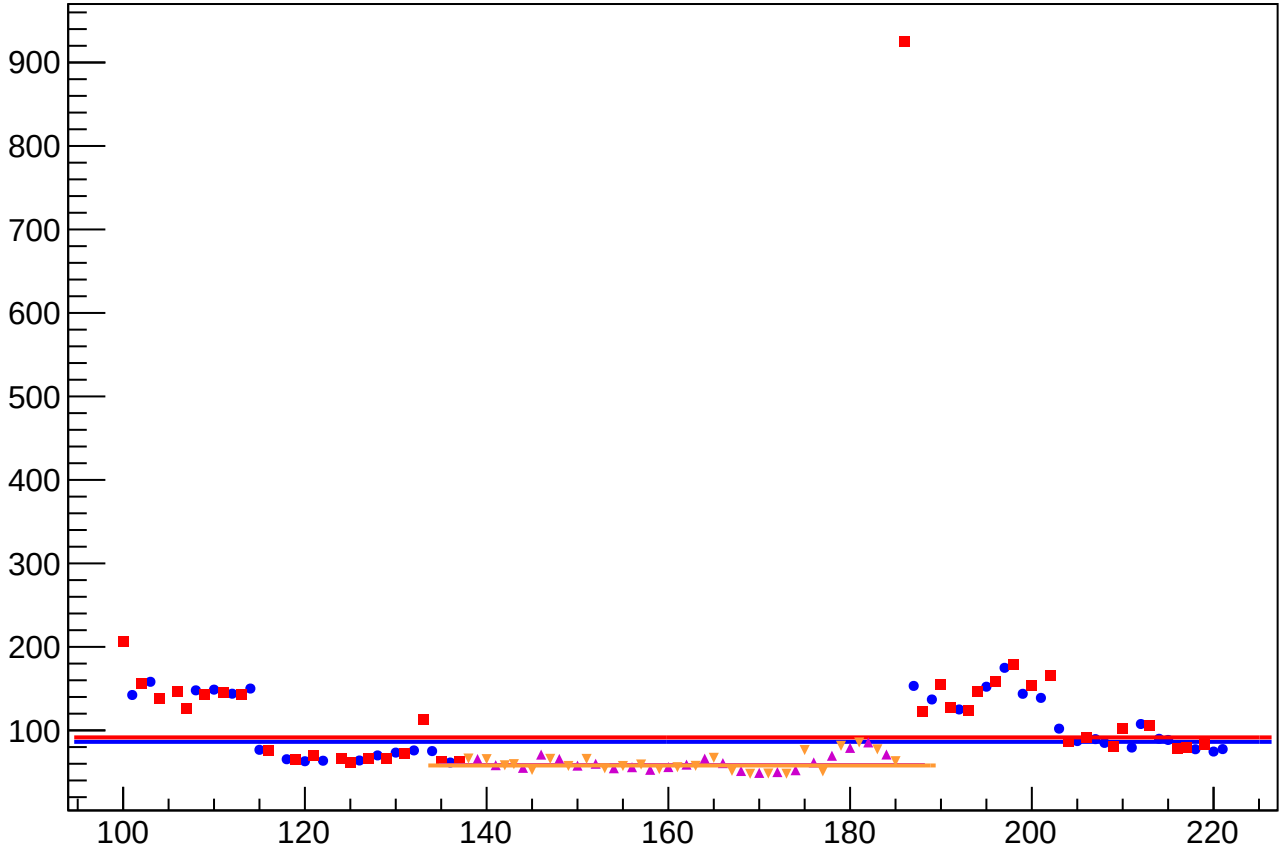
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 6.874+/-11.051 χ^2/NDF: 70.6/58

All: -11.963+/-8.016 χ^2/NDF: 167.6/118

- sign -32.877+/-11.645 χ^2/NDF: 90.9/59

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 86.249+/-0.014 χ^2/NDF: 3581875.0/33

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

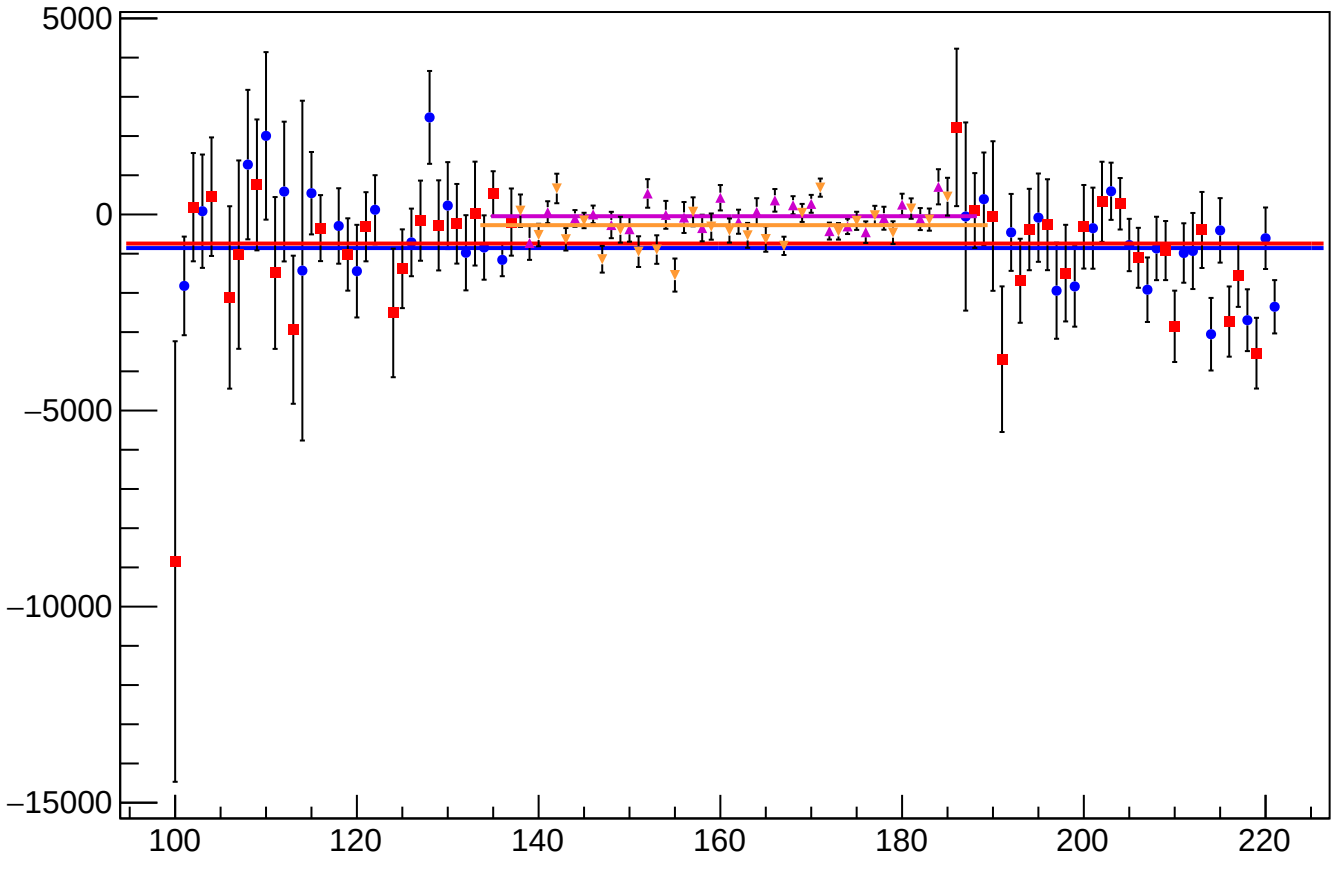
Right Out: 91.596+/-0.015 χ^2/NDF: 4757860.3/36

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 67.166+/-0.008 χ^2/NDF: 7354053.3/58

All: 67.779+/-0.006 χ^2/NDF: 16180300.2/118

- sign 68.458+/-0.008 χ^2/NDF: 8813291.4/59



Right In: -857.102+/-157.296 χ^2/NDF: 43.5/33

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

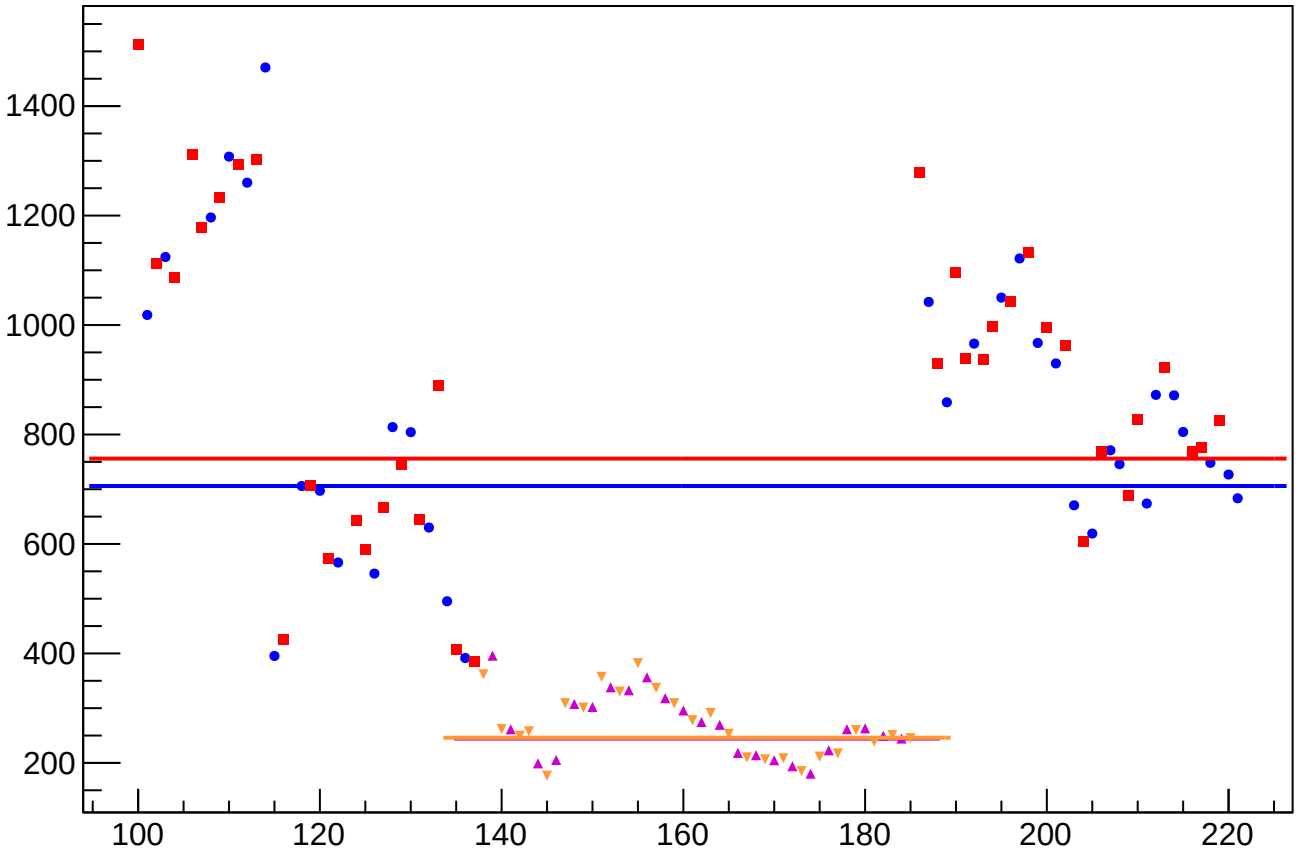
Right Out: -741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -340.945+/-53.817 χ^2/NDF: 121.5/58

All: -232.709+/-38.618 χ^2/NDF: 217.6/118

- sign -117.816+/-55.448 χ^2/NDF: 87.8/59



Right In: 705.937+/-0.111 χ^2/NDF: 3522194.0/33

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 755.979+/-0.121 χ^2/NDF: 3722331.0/36

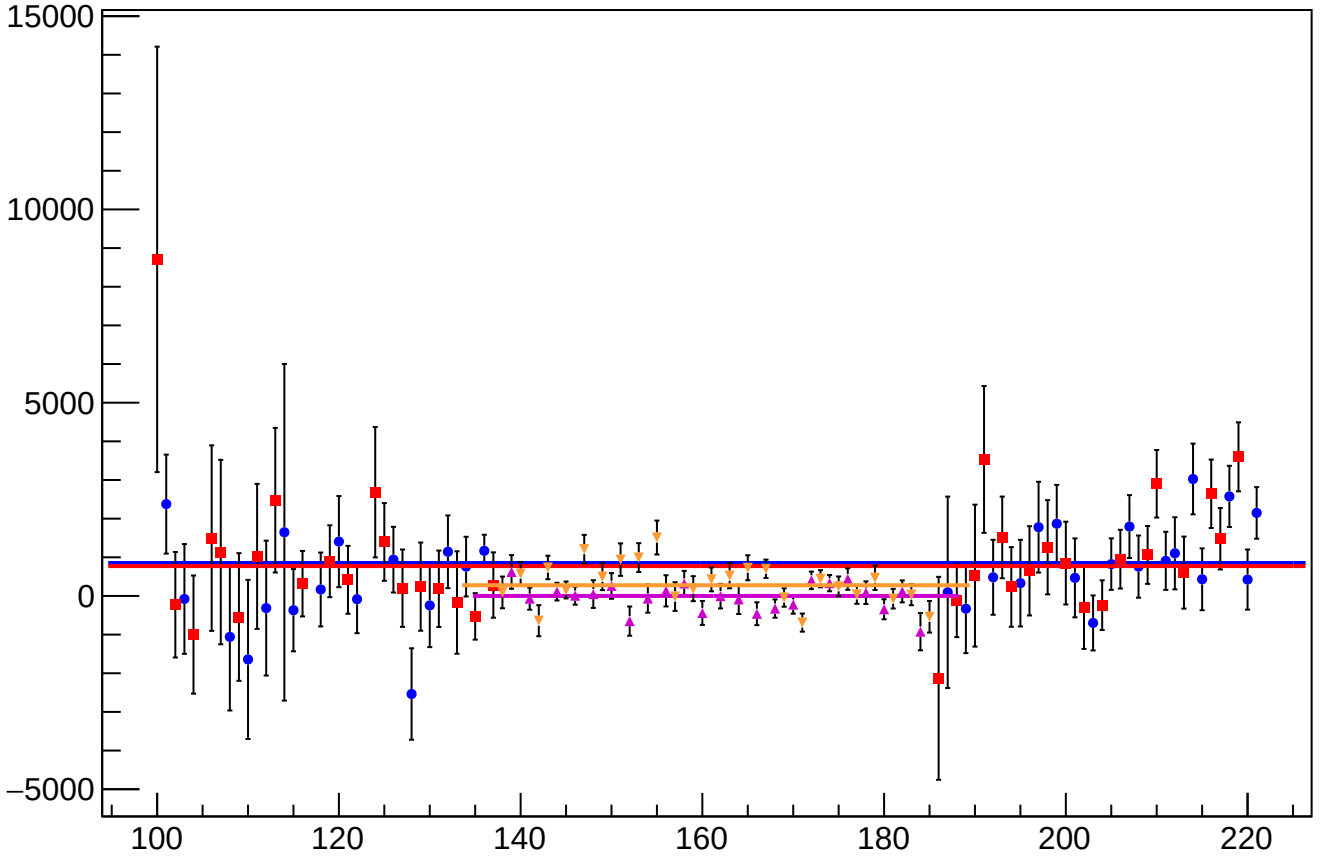
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 299.855+/-0.038 χ^2/NDF: 20299890.9/58

All: 299.066+/-0.027 χ^2/NDF: 41634031.0/11

- sign 298.227+/-0.039 χ^2/NDF: 21333252.9/59

asym_sam_1526_avg_mean vs Slug



Right In: 853.031+/-155.375 χ^2/NDF: 42.2/33

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 772.683+/-170.644 χ^2/NDF: 44.2/36

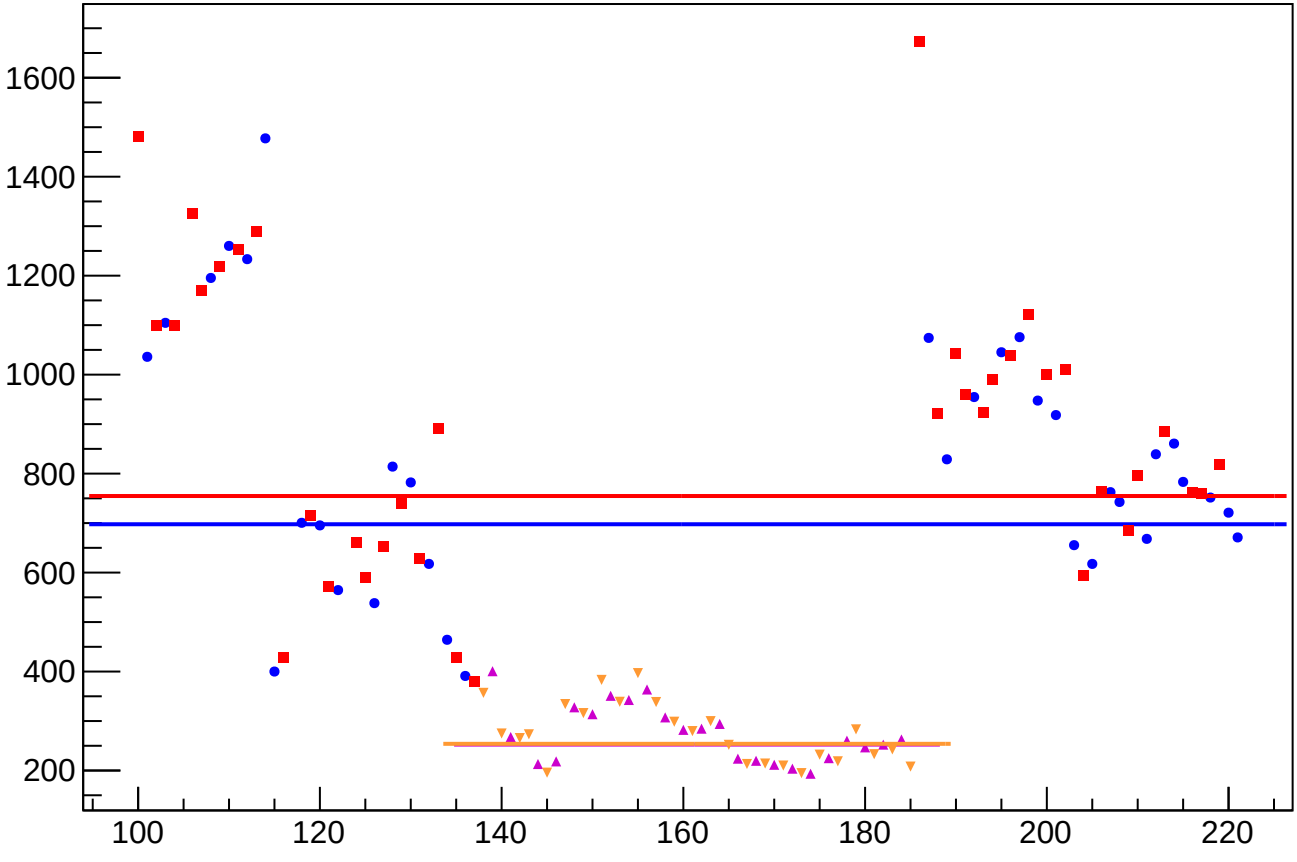
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 349.979+/-55.279 χ^2/NDF: 118.2/58

All: 222.007+/-39.649 χ^2/NDF: 219.8/118

- sign 86.409+/-56.902 χ^2/NDF: 90.6/59

asym_sam_1526_avg_rms vs Slug



Right In: 697.667+/-0.110 χ^2/NDF: 3461311.4/33

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

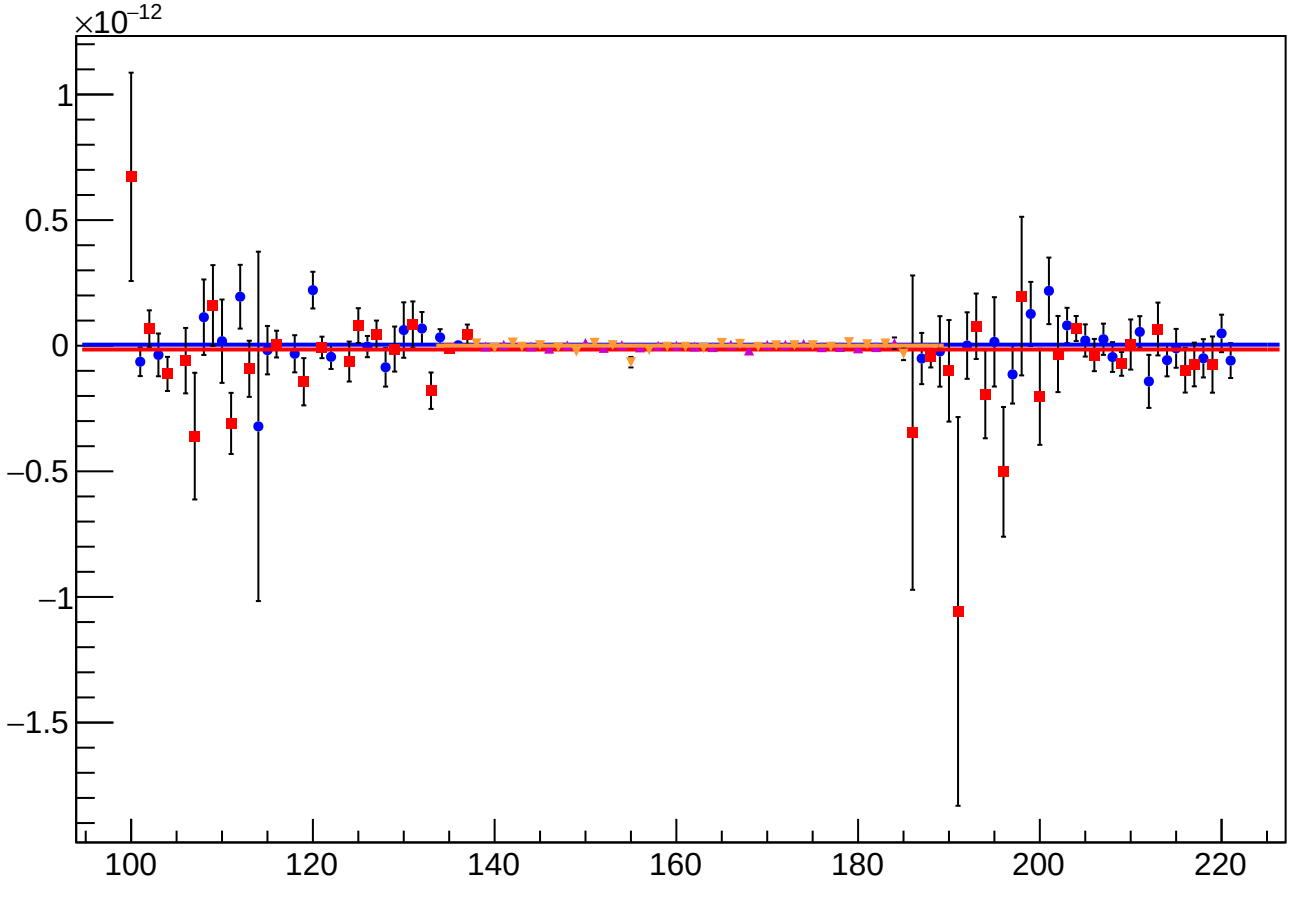
Right Out: 754.713+/-0.121 χ^2/NDF: 3654276.0/36

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 310.117+/-0.039 χ^2/NDF: 19298215.3/58

All: 309.207+/-0.028 χ^2/NDF: 39769442.6/11

- sign 308.244+/-0.040 χ^2/NDF: 20470112.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

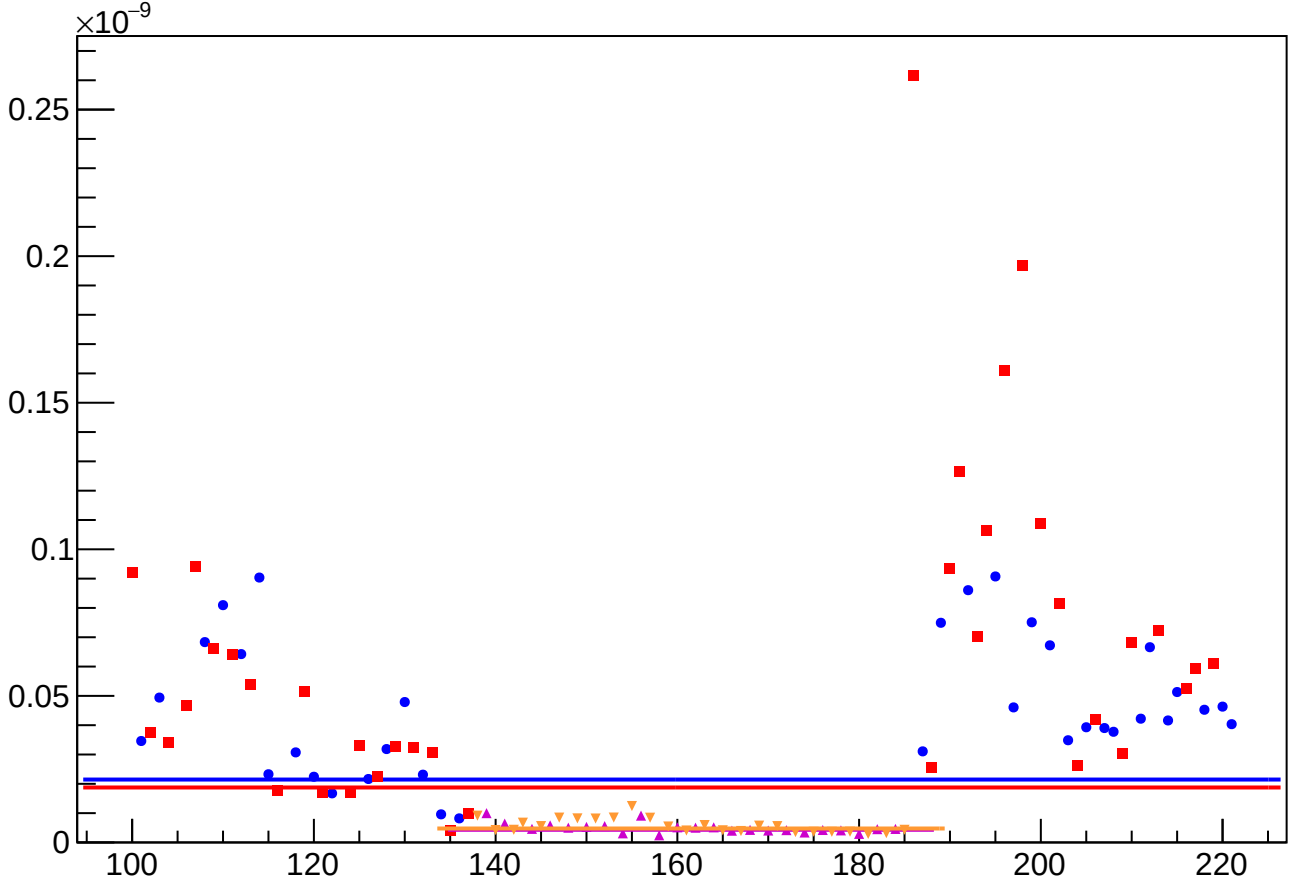
Right Out: -0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/58

All: -0.000+/-0.000 χ^2/NDF: 120.0/118

- sign -0.000+/-0.000 χ^2/NDF: 61.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 7388632.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

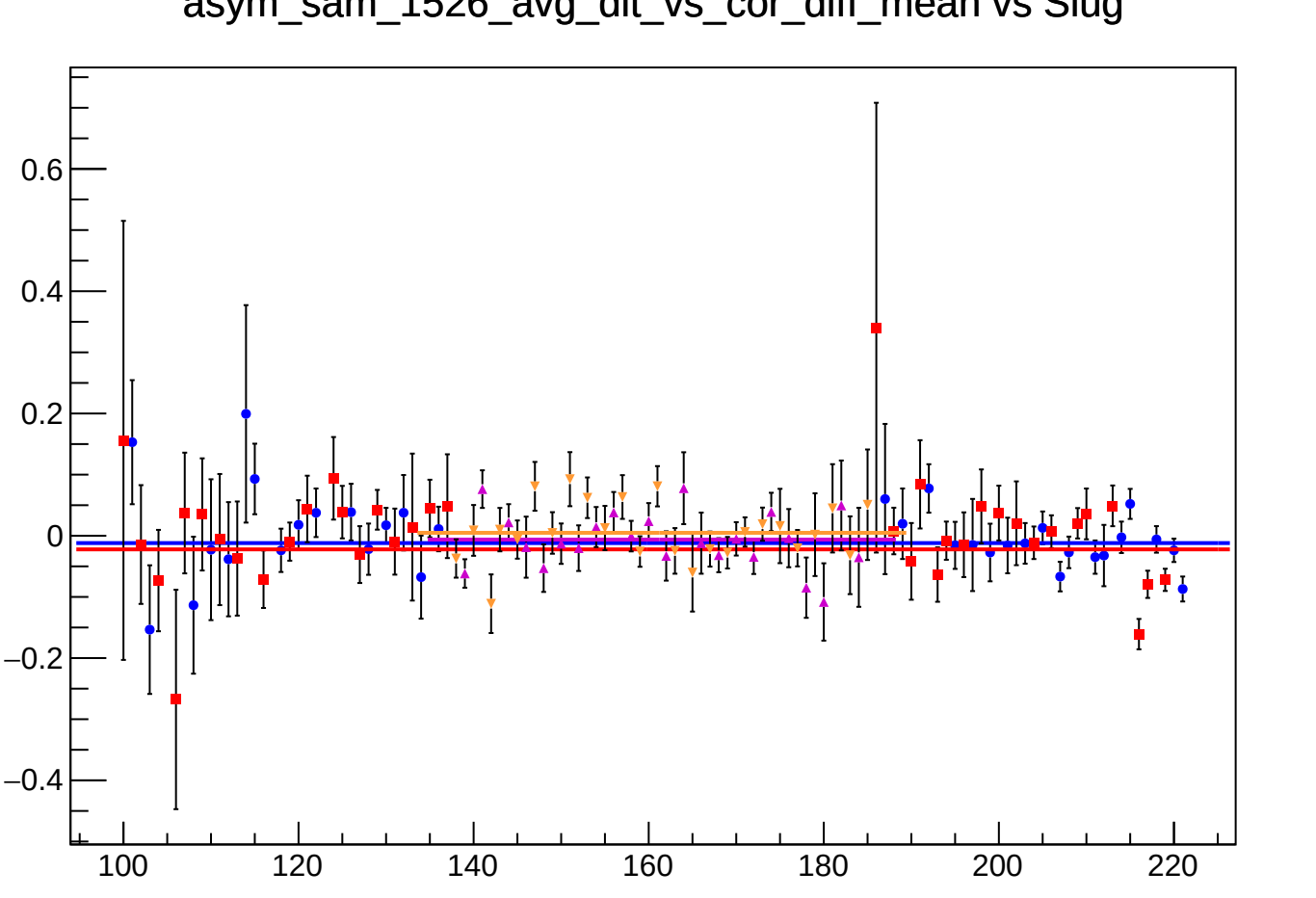
Right Out: 0.000+/-0.000 χ^2/NDF: 10164027.8/36

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15290319.0/58

All: 0.000+/-0.000 χ^2/NDF: 31072662.3/118

- sign 0.000+/-0.000 χ^2/NDF: 15683521.4/59



Right In: -0.012+/-0.006 χ^2/NDF: 50.3/33

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

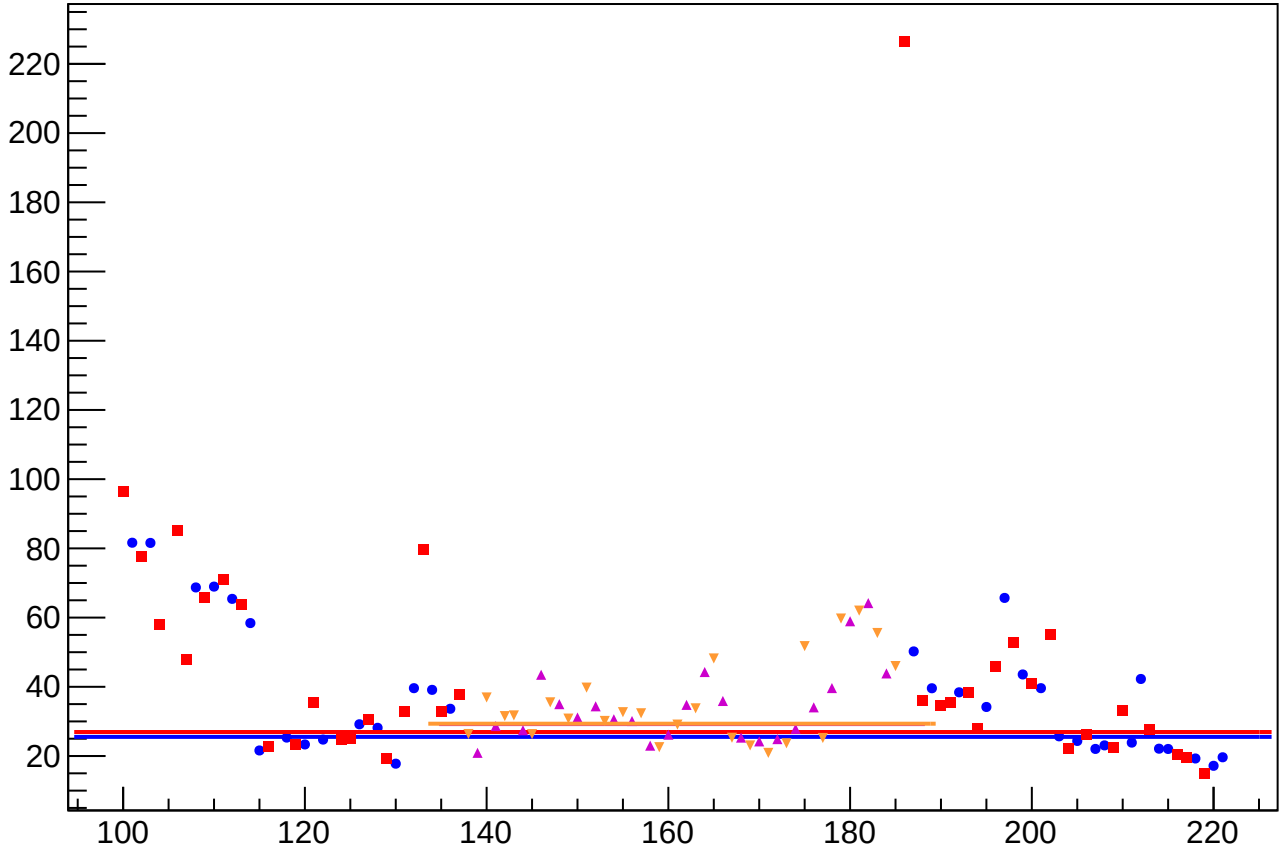
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.005+/-0.005 χ^2/NDF: 87.5/58

All: -0.010+/-0.003 χ^2/NDF: 205.7/118

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 25.530+/-0.004 χ^2/NDF: 5310452.7/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

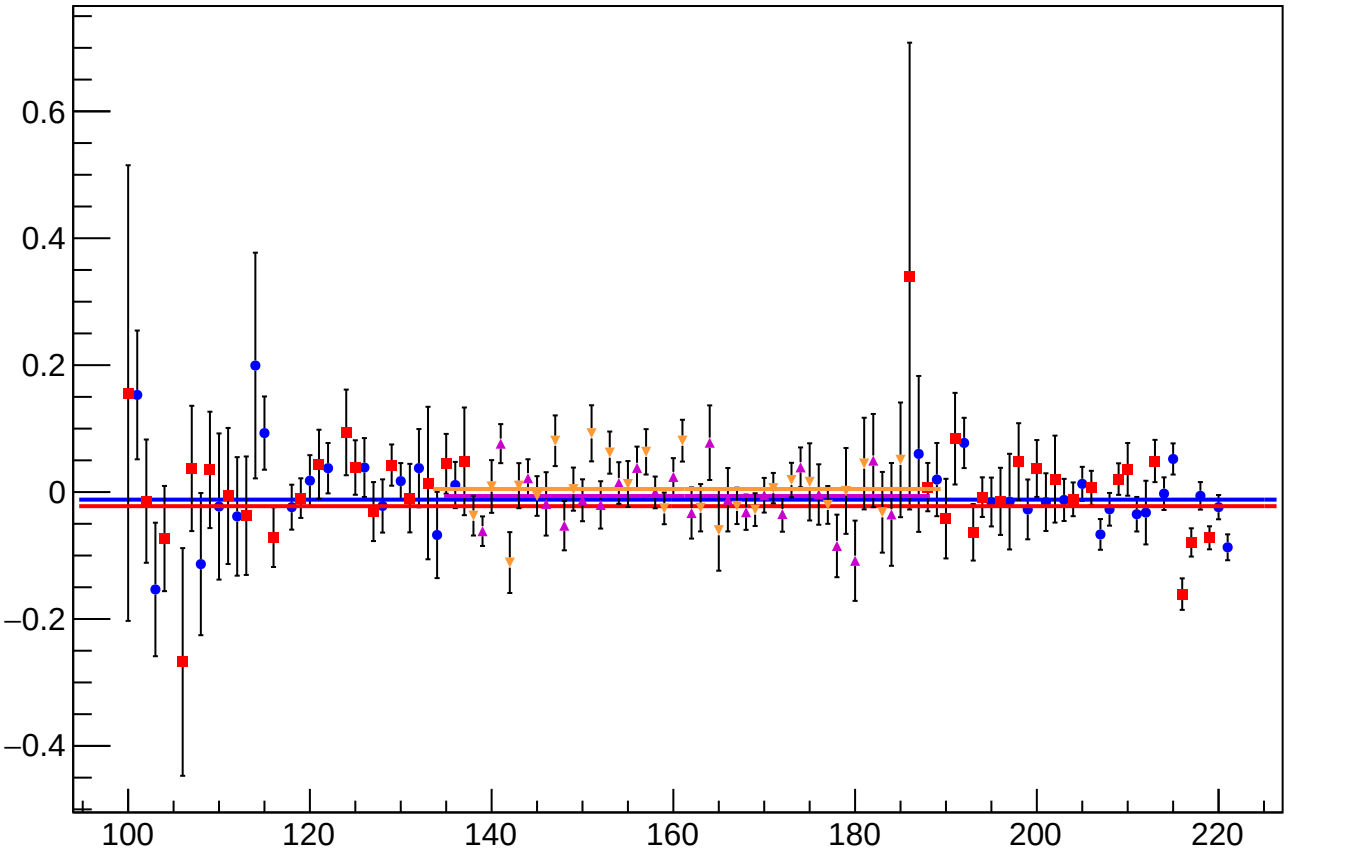
Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 27.147+/-0.003 χ^2/NDF: 8327948.6/58

All: 27.542+/-0.002 χ^2/NDF: 16915979.8/118

- sign 27.989+/-0.003 χ^2/NDF: 8557004.7/59



Right In: -0.012+/-0.006 χ^2/NDF: 50.3/33

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

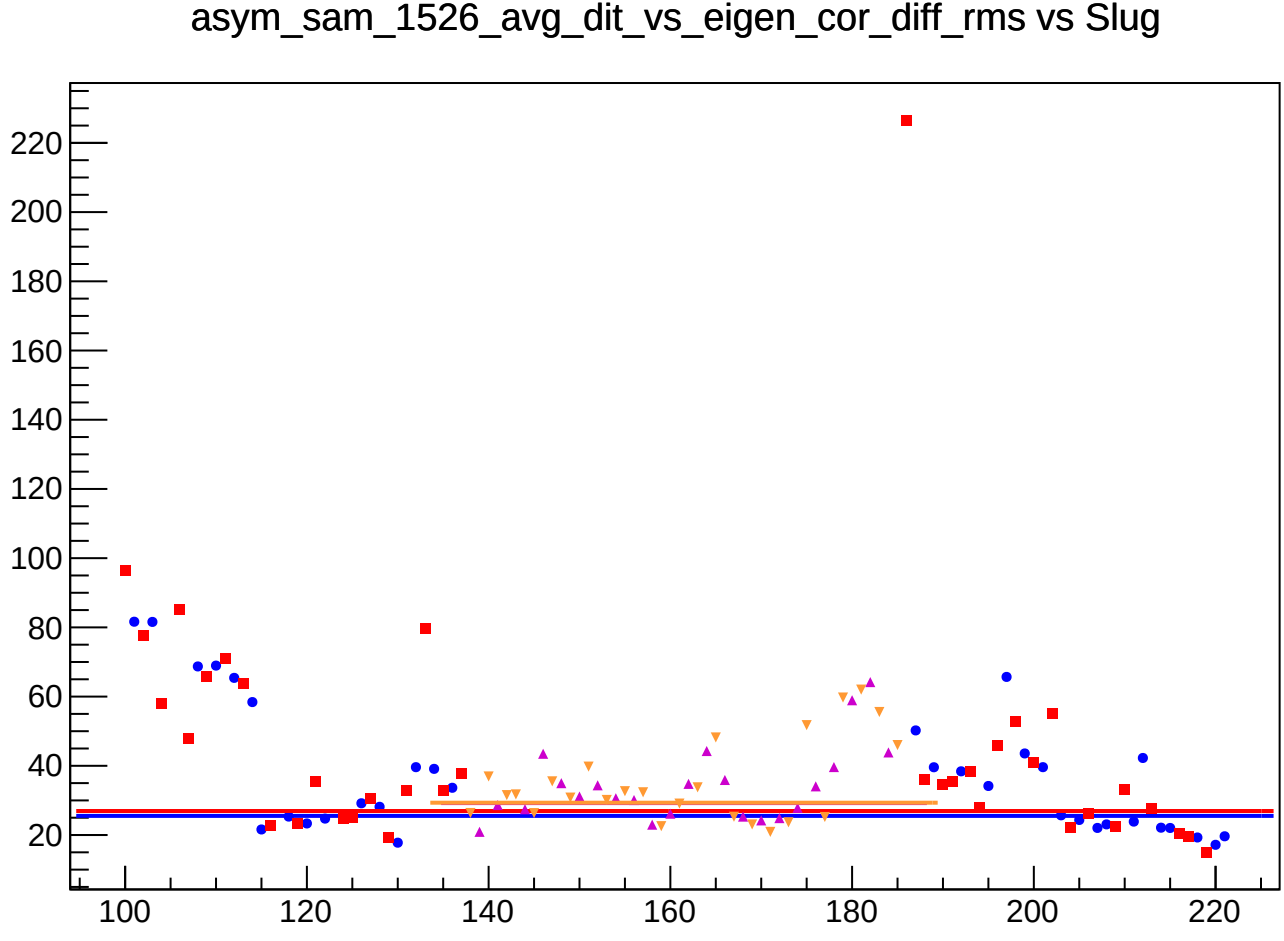
Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.005+/-0.005 χ^2/NDF: 87.5/58

All: -0.010+/-0.003 χ^2/NDF: 205.7/118

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59



Right In: 25.530+/-0.004 χ^2/NDF: 5310452.7/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

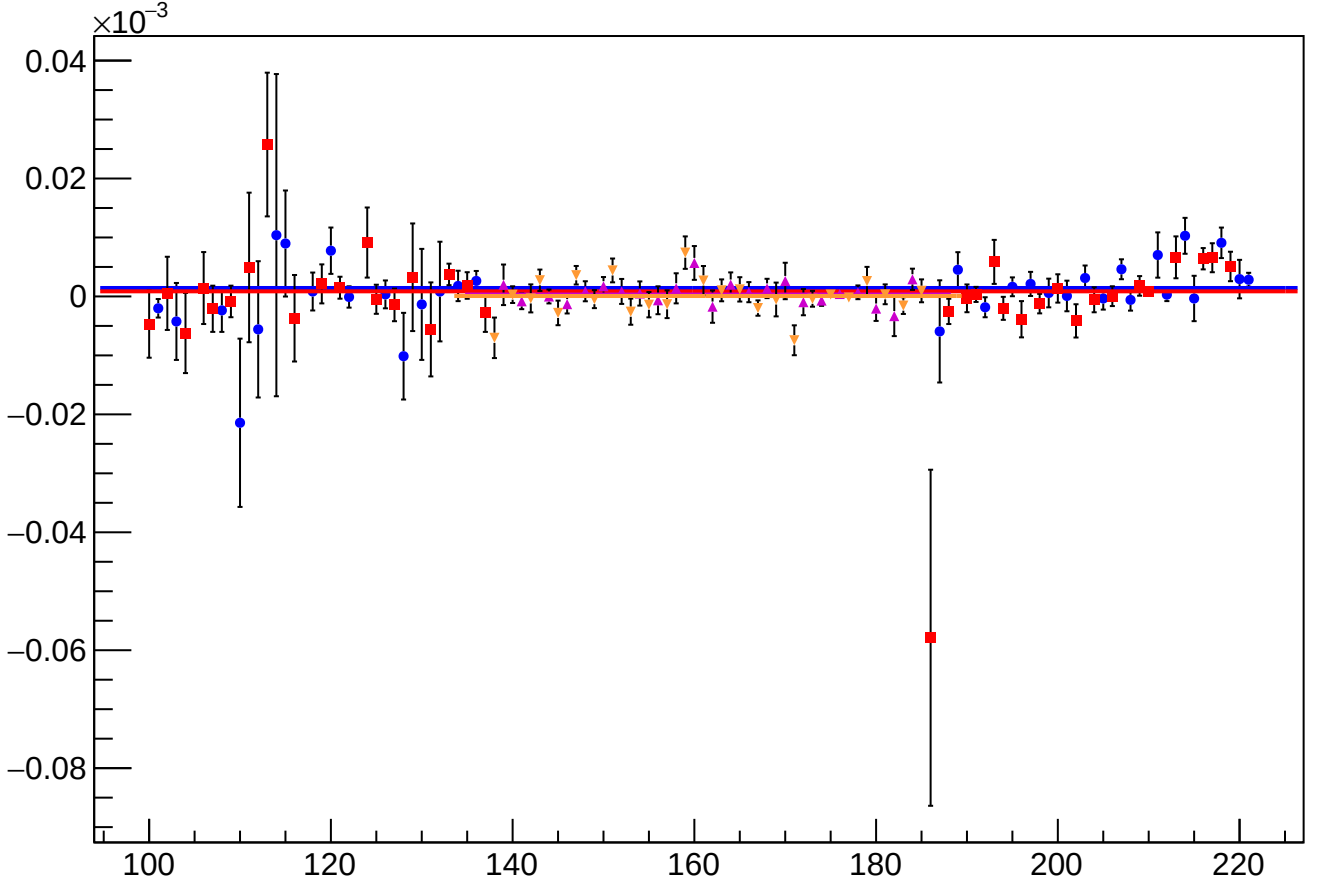
Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 27.147+/-0.003 χ^2/NDF: 8327948.6/58

All: 27.542+/-0.002 χ^2/NDF: 16915979.8/118

- sign 27.989+/-0.003 χ^2/NDF: 8557004.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 51.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

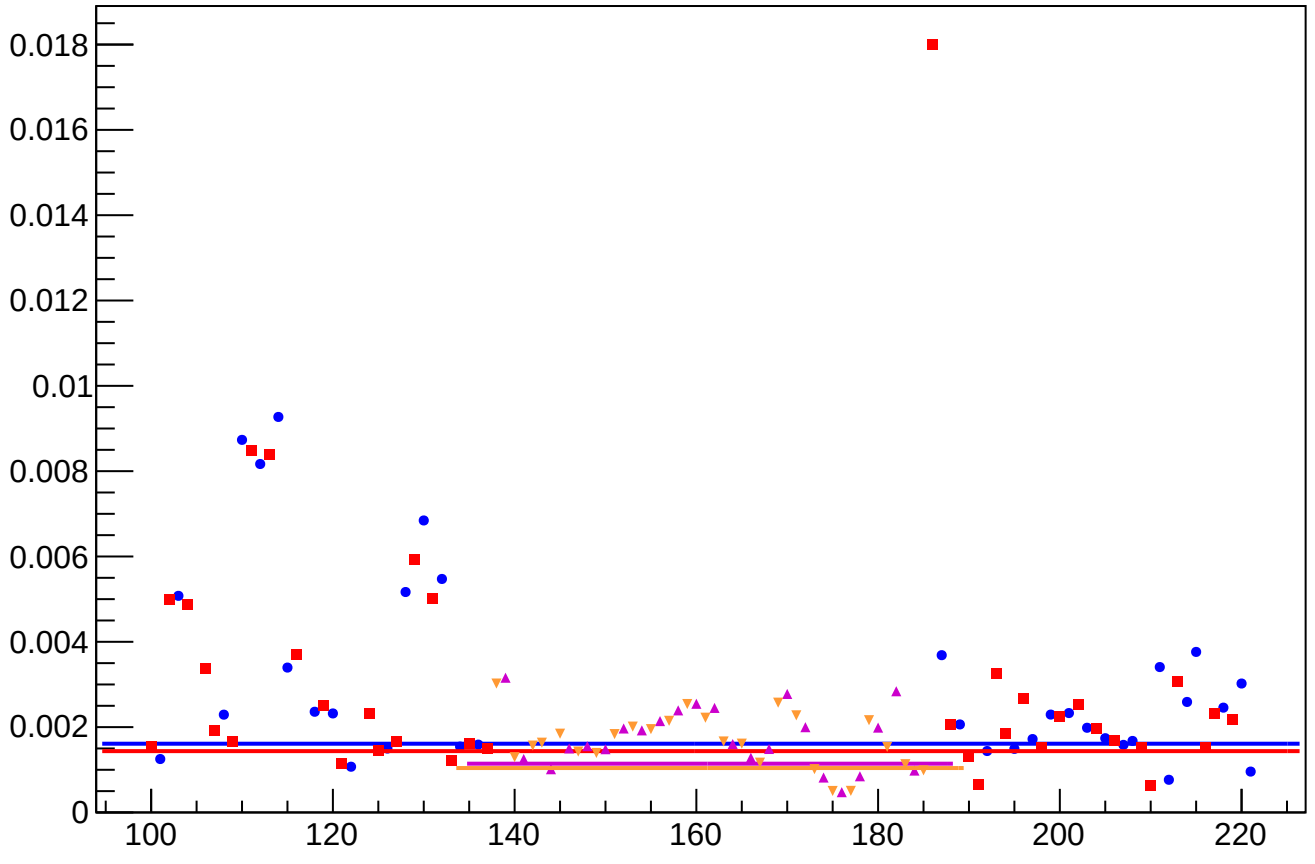
Right Out: 0.000+/-0.000 χ^2/NDF: 54.9/36

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.2/58

All: 0.000+/-0.000 χ^2/NDF: 174.8/118

- sign 0.000+/-0.000 χ^2/NDF: 71.7/59



Right In: 0.002+/-0.000 χ^2/NDF: 8230775.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

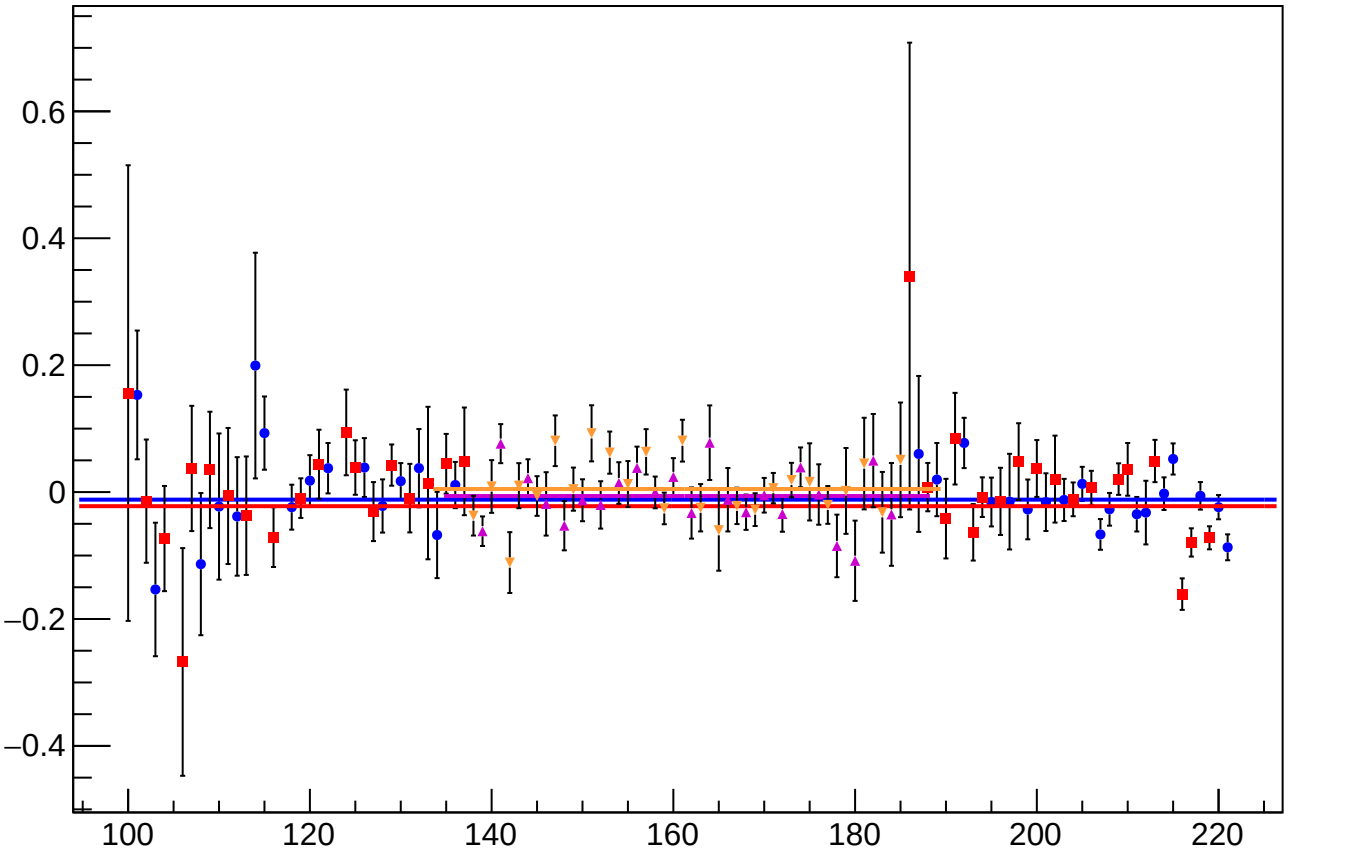
Right Out: 0.001+/-0.000 χ^2/NDF: 10699137.8/36

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 20818377.9/58

All: 0.001+/-0.000 χ^2/NDF: 40579905.4/118

- sign 0.001+/-0.000 χ^2/NDF: 19737477.2/59



Right In: -0.012+/-0.006 χ^2/NDF: 50.3/33

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

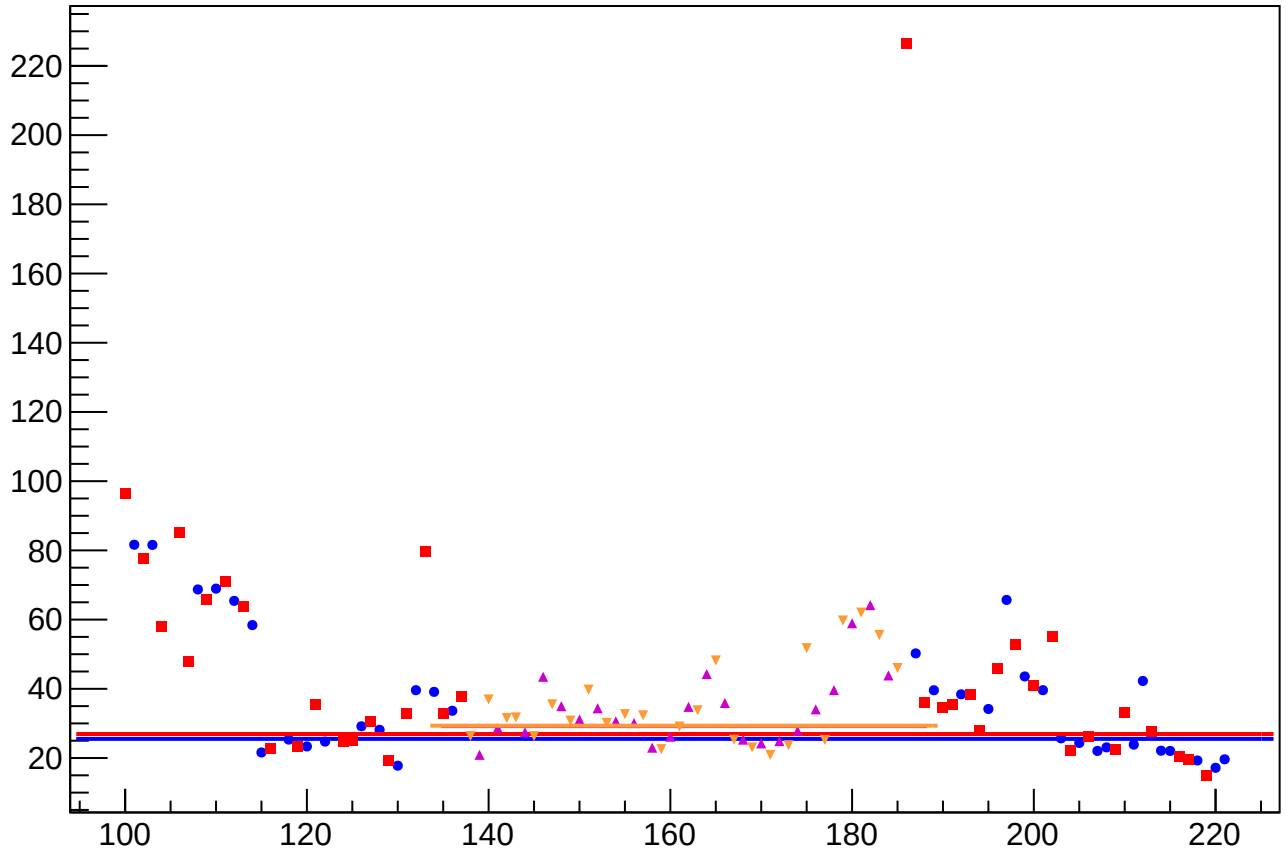
Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.005+/-0.005 χ^2/NDF: 87.5/58

All: -0.010+/-0.003 χ^2/NDF: 205.7/118

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59



Right In: 25.529+/-0.004 χ^2/NDF: 5310847.9/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

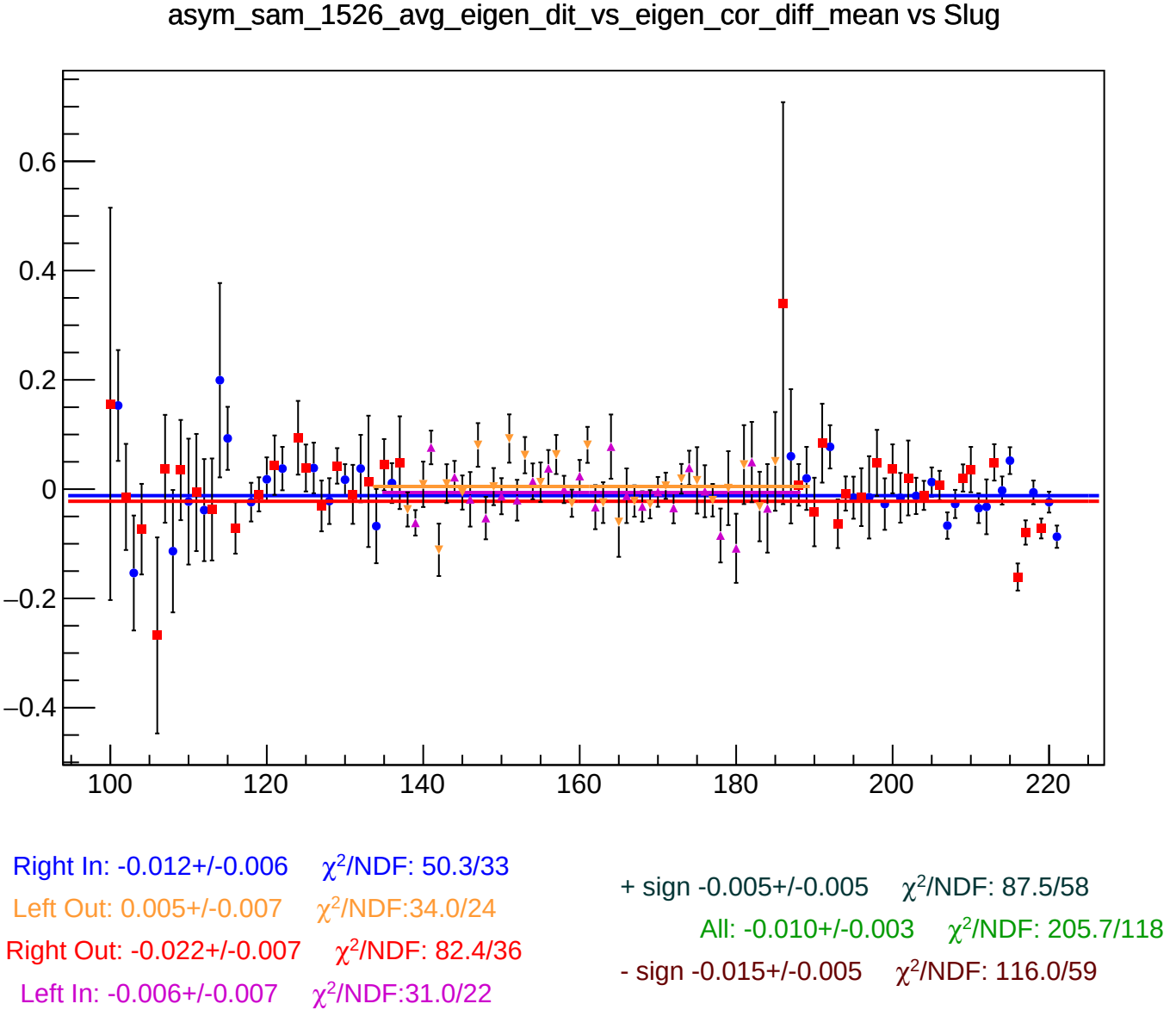
Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

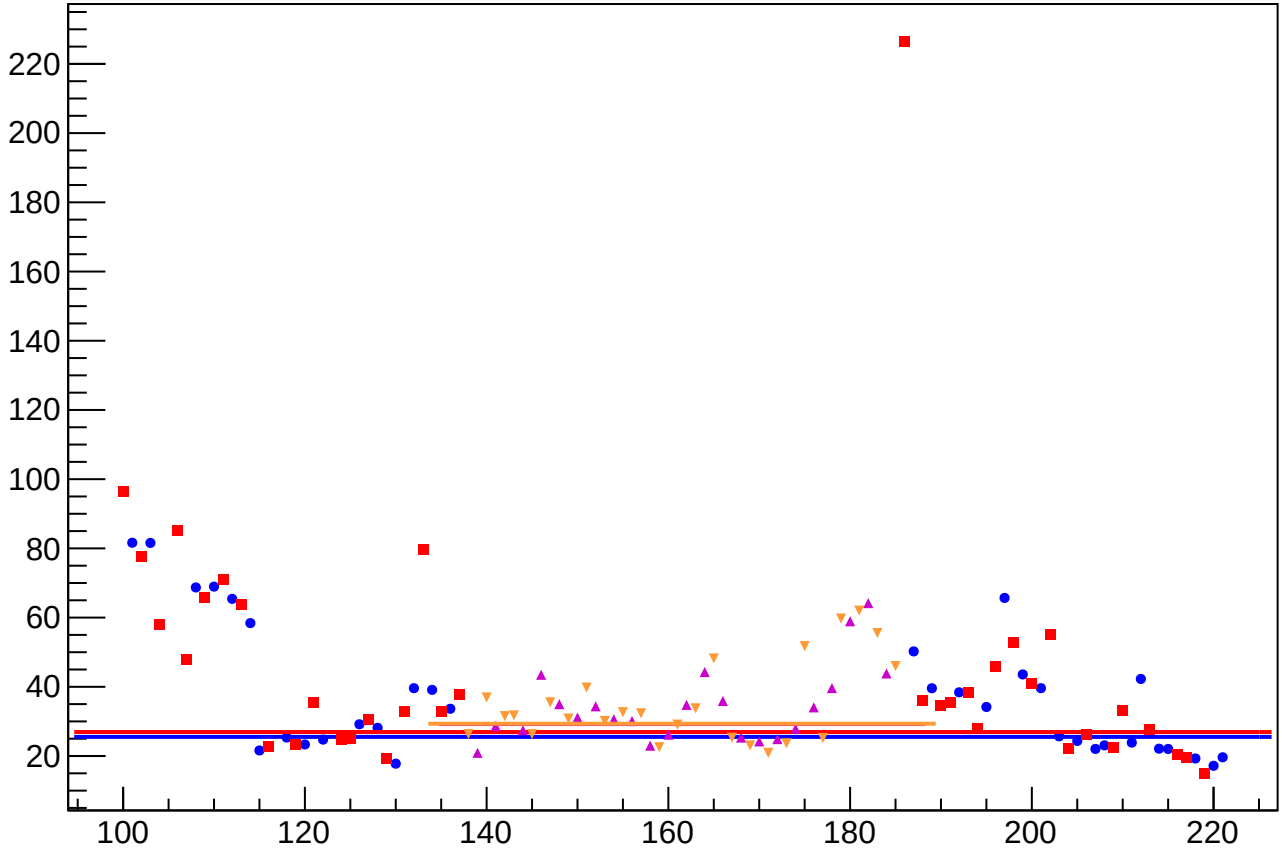
+ sign 27.147+/-0.003 χ^2/NDF: 8328546.3/58

All: 27.542+/-0.002 χ^2/NDF: 16916963.2/118

- sign 27.989+/-0.003 χ^2/NDF: 8557380.3/59


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
220
Right In: -0.012+/-0.006 χ²/NDF: 50.3/33
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.022+/-0.007 χ²/NDF: 82.4/36
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign -0.005+/-0.005 χ²/NDF: 87.5/58
All: -0.010+/-0.003 χ²/NDF: 205.7/118
- sign -0.015+/-0.005 χ²/NDF: 116.0/59

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.529+/-0.004 χ^2/NDF: 5310847.9/33

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

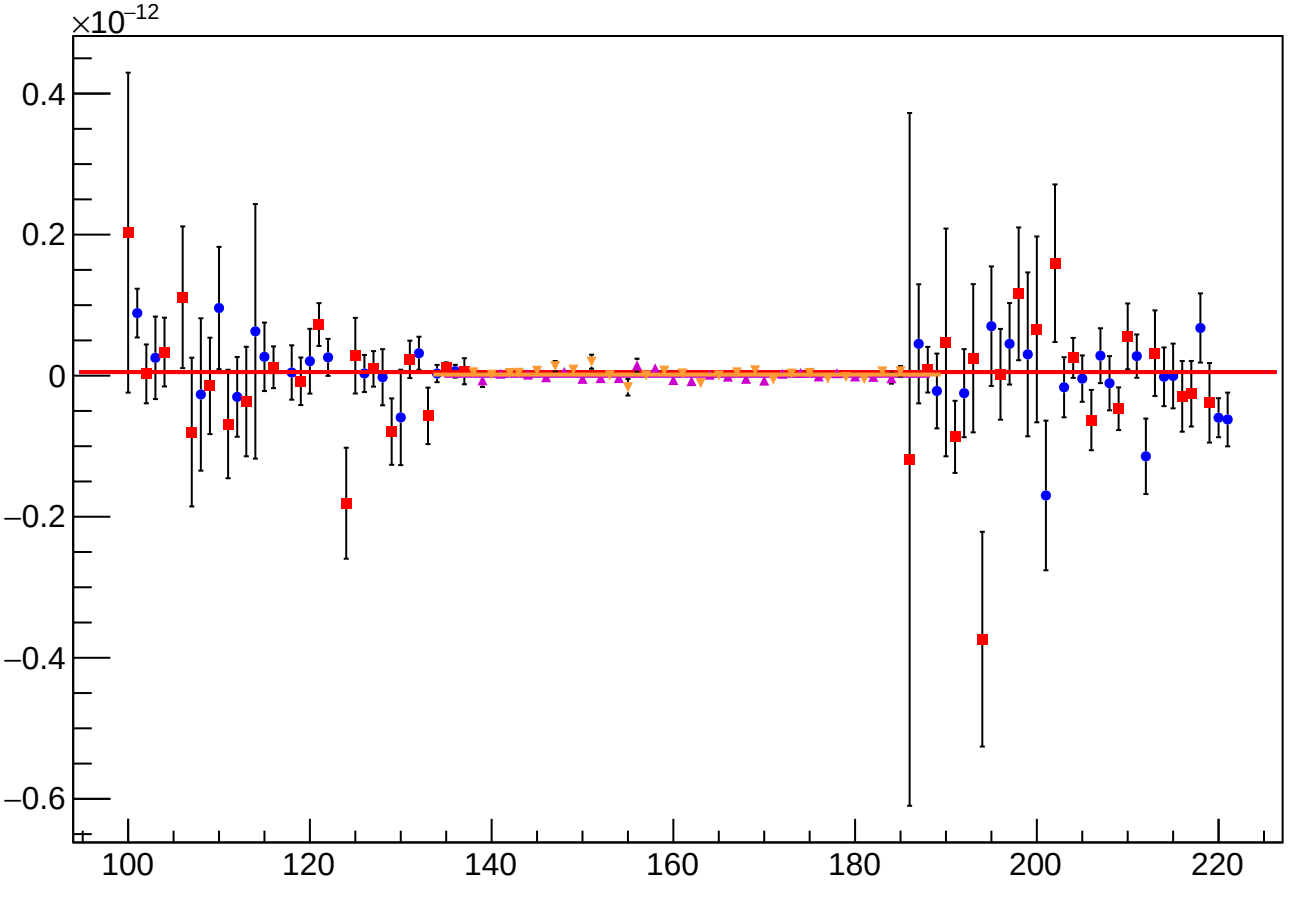
Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 27.147+/-0.003 χ^2/NDF: 8328546.3/58

All: 27.542+/-0.002 χ^2/NDF: 16916963.2/118

- sign 27.989+/-0.003 χ^2/NDF: 8557380.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

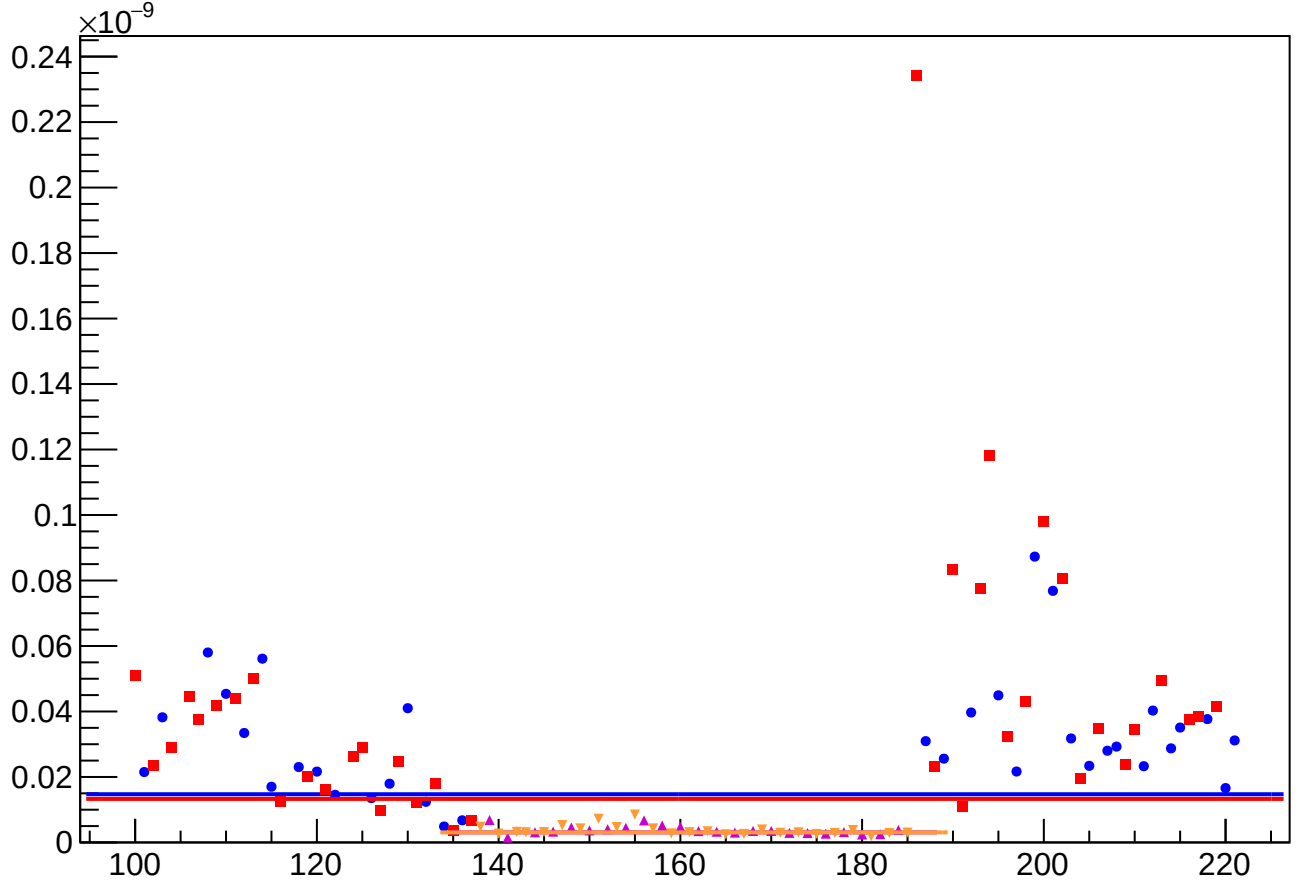
Right Out: 0.000+/-0.000 χ^2/NDF: 43.7/36

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/58

All: 0.000+/-0.000 χ^2/NDF: 132.5/118

- sign -0.000+/-0.000 χ^2/NDF: 63.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 9889133.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13674526.3/36

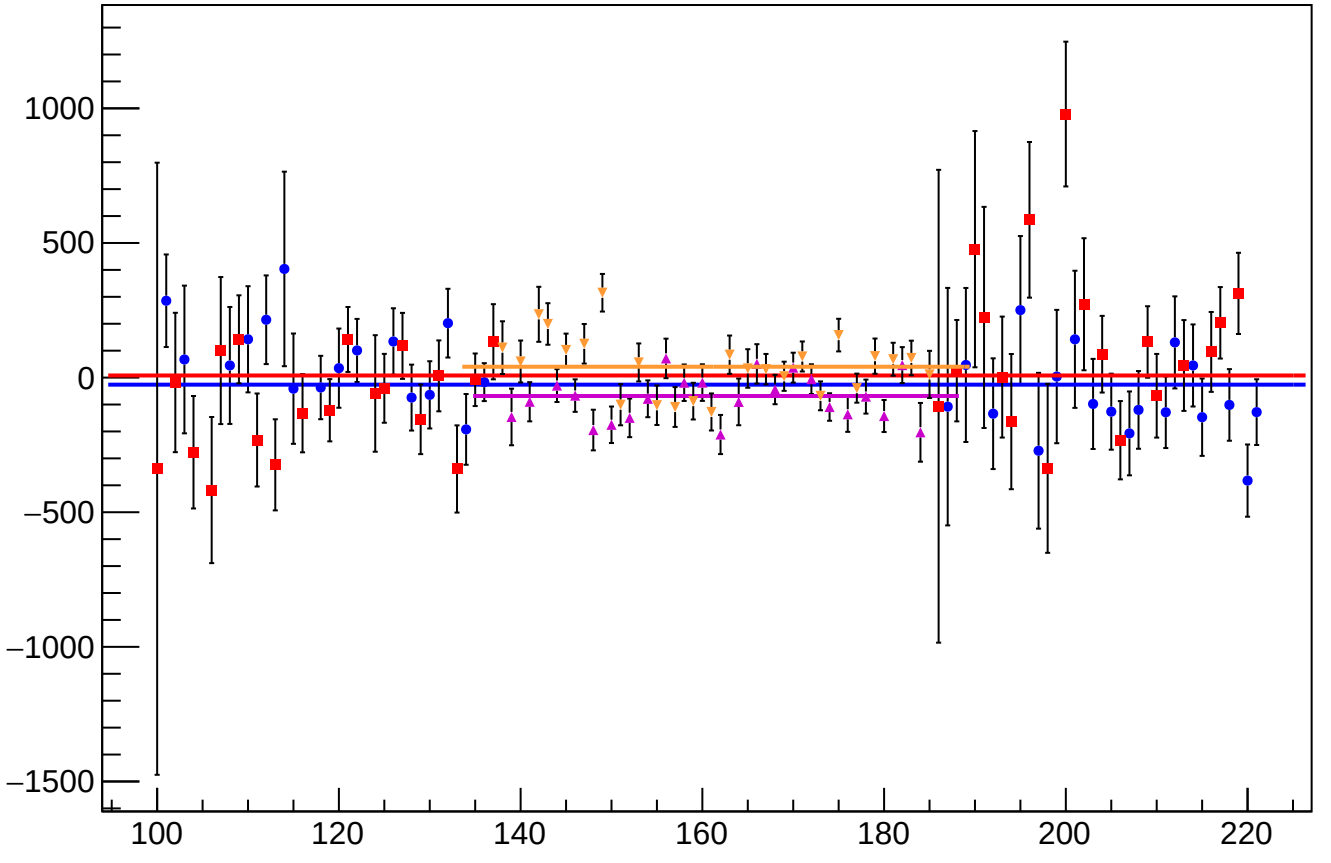
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 21615379.8/58

All: 0.000+/-0.000 χ^2/NDF: 44589875.2/118

- sign 0.000+/-0.000 χ^2/NDF: 22972987.6/59

reg_asym_sam_3726_avg_mean vs Slug



Right In: -26.210+/-25.770 χ^2/NDF: 31.4/33

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 7.870+/-27.437 χ^2/NDF: 54.6/36

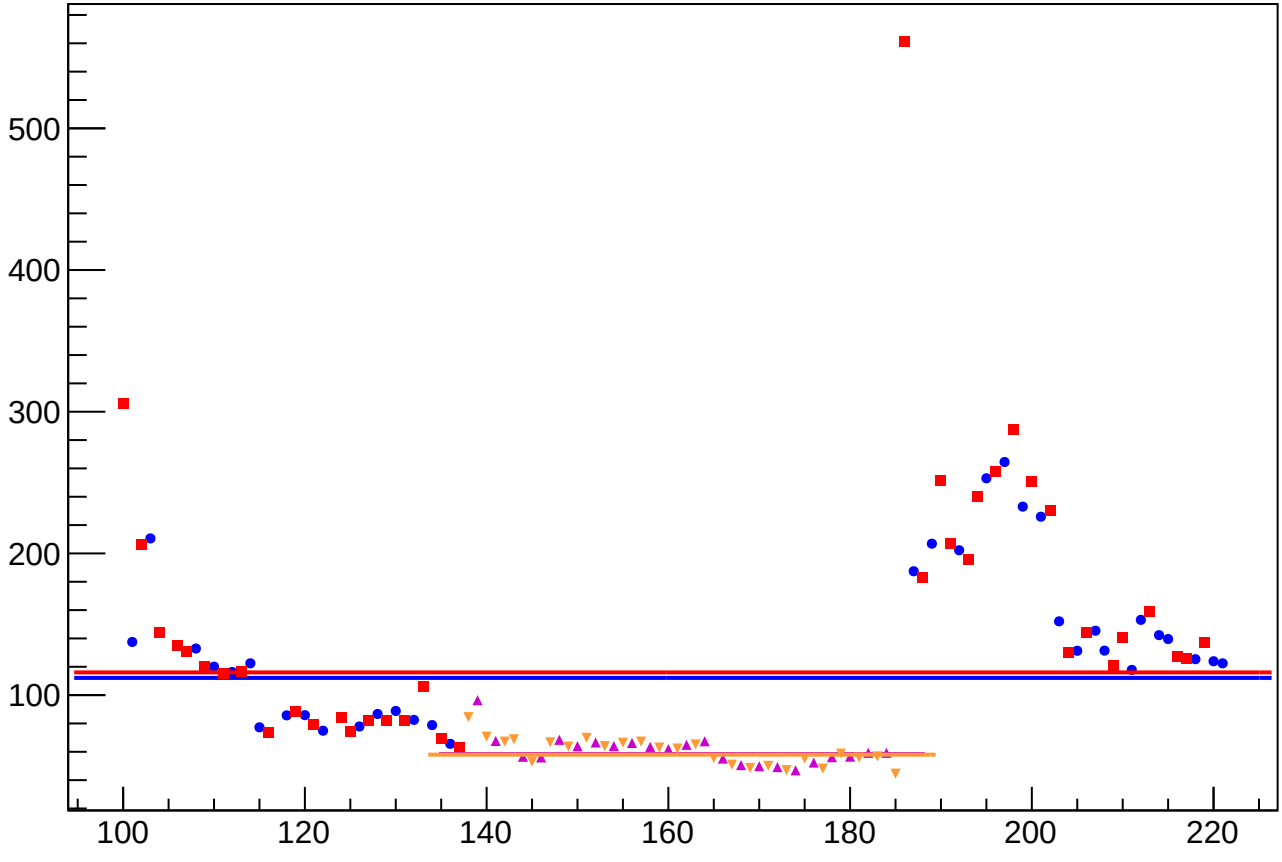
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 26.175+/-11.890 χ^2/NDF: 96.0/58

All: -11.752+/-8.574 χ^2/NDF: 209.7/118

- sign -52.839+/-12.376 χ^2/NDF: 92.5/59

reg_asym_sam_3726_avg_rms vs Slug



Right In: 112.155+/-0.018 χ^2/NDF: 5383736.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

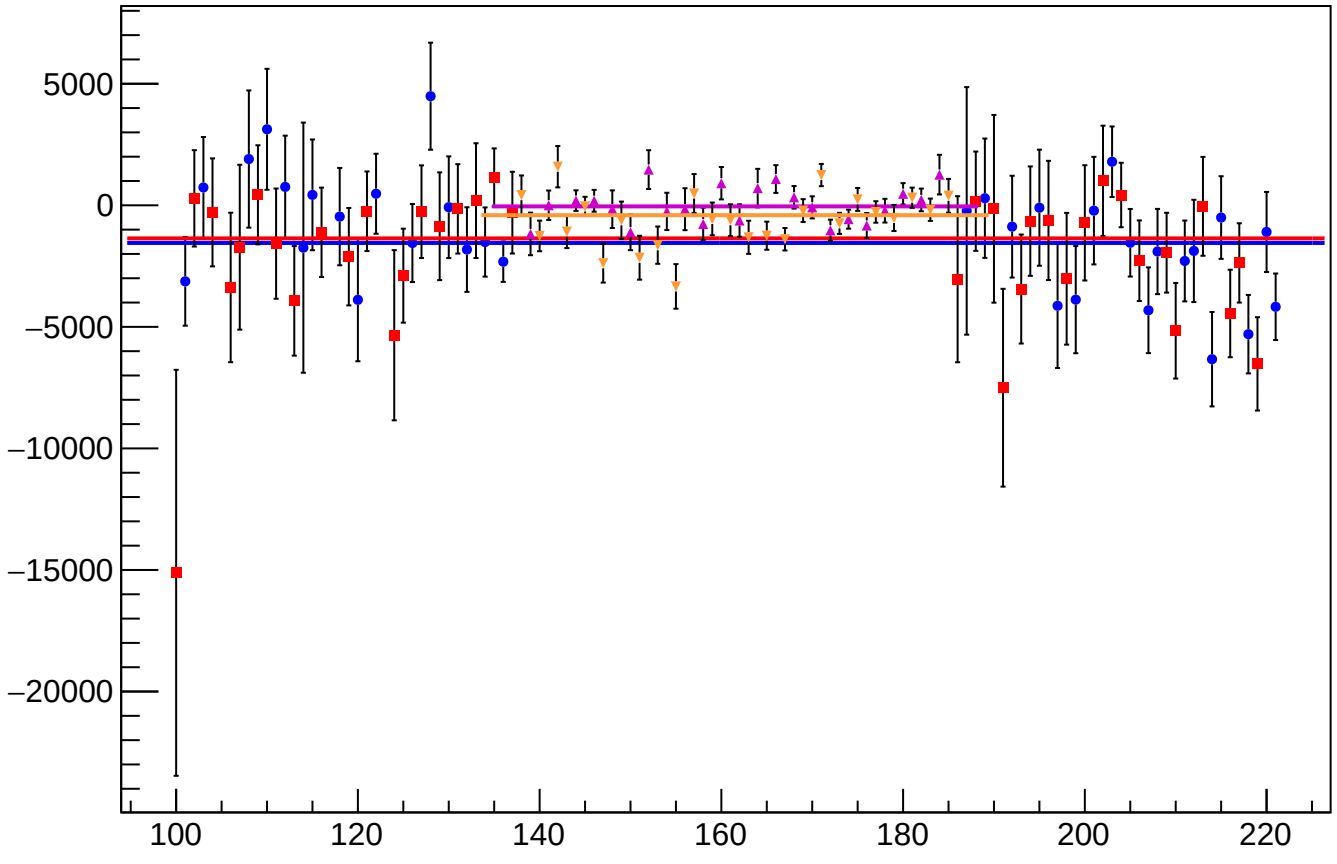
Right Out: 116.033+/-0.019 χ^2/NDF: 6400208.7/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.525+/-0.008 χ^2/NDF: 13144367.7/58

All: 69.812+/-0.006 χ^2/NDF: 27312286.3/118

- sign 70.123+/-0.009 χ^2/NDF: 14165492.6/59



Right In: -1548.085+/-309.488 χ^2/NDF: 47.7/33

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1360.932+/-336.119 χ^2/NDF: 37.5/36

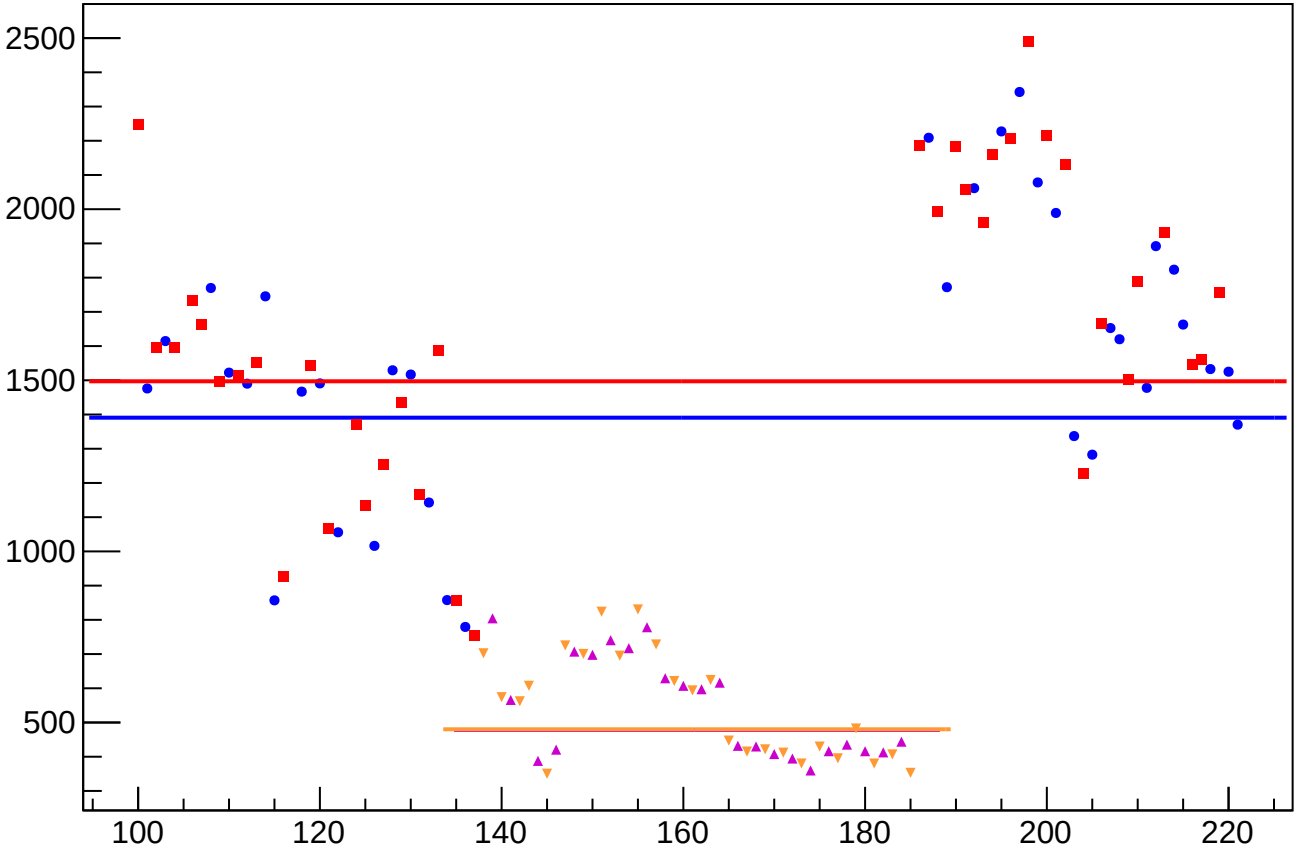
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -541.609+/-106.533 χ^2/NDF: 122.9/58

All: -367.833+/-76.342 χ^2/NDF: 210.6/118

- sign -184.395+/-109.455 χ^2/NDF: 82.2/59

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1390.760+/-0.219 χ^2/NDF: 3368951.9/33

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1497.122+/-0.238 χ^2/NDF: 3124182.0/36

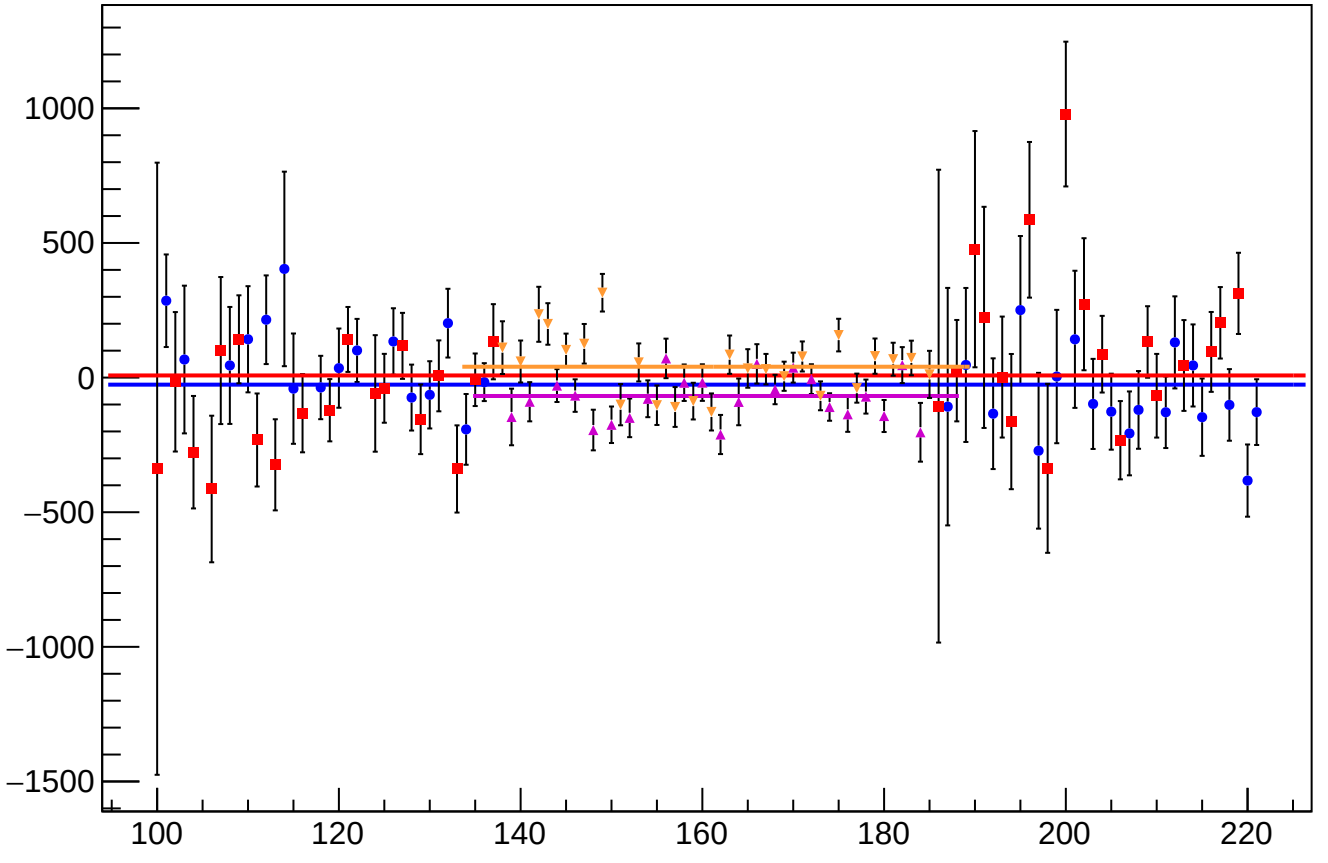
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 588.059+/-0.075 χ^2/NDF: 21213516.6/58

All: 587.128+/-0.054 χ^2/NDF: 42987423.8/11

- sign 586.146+/-0.077 χ^2/NDF: 21773593.6/59

cor_asym_sam_3726_avg_mean vs Slug



Right In: -26.218+/-25.770 χ^2/NDF: 31.4/33

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 7.964+/-27.438 χ^2/NDF: 54.5/36

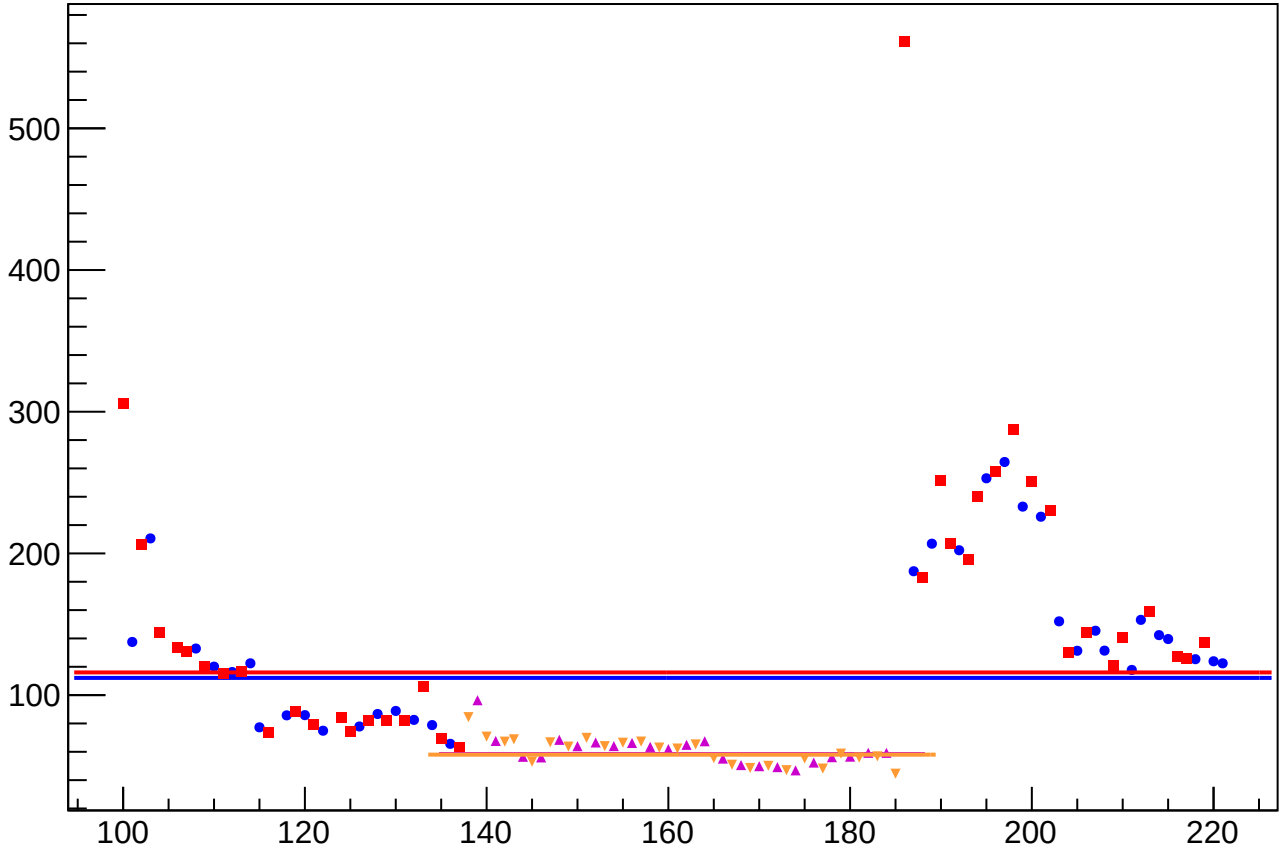
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 26.175+/-11.890 χ^2/NDF: 96.0/58

All: -11.743+/-8.574 χ^2/NDF: 209.7/118

- sign -52.820+/-12.376 χ^2/NDF: 92.4/59

cor_asym_sam_3726_avg_rms vs Slug



Right In: 112.155+/-0.018 χ^2/NDF: 5383739.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

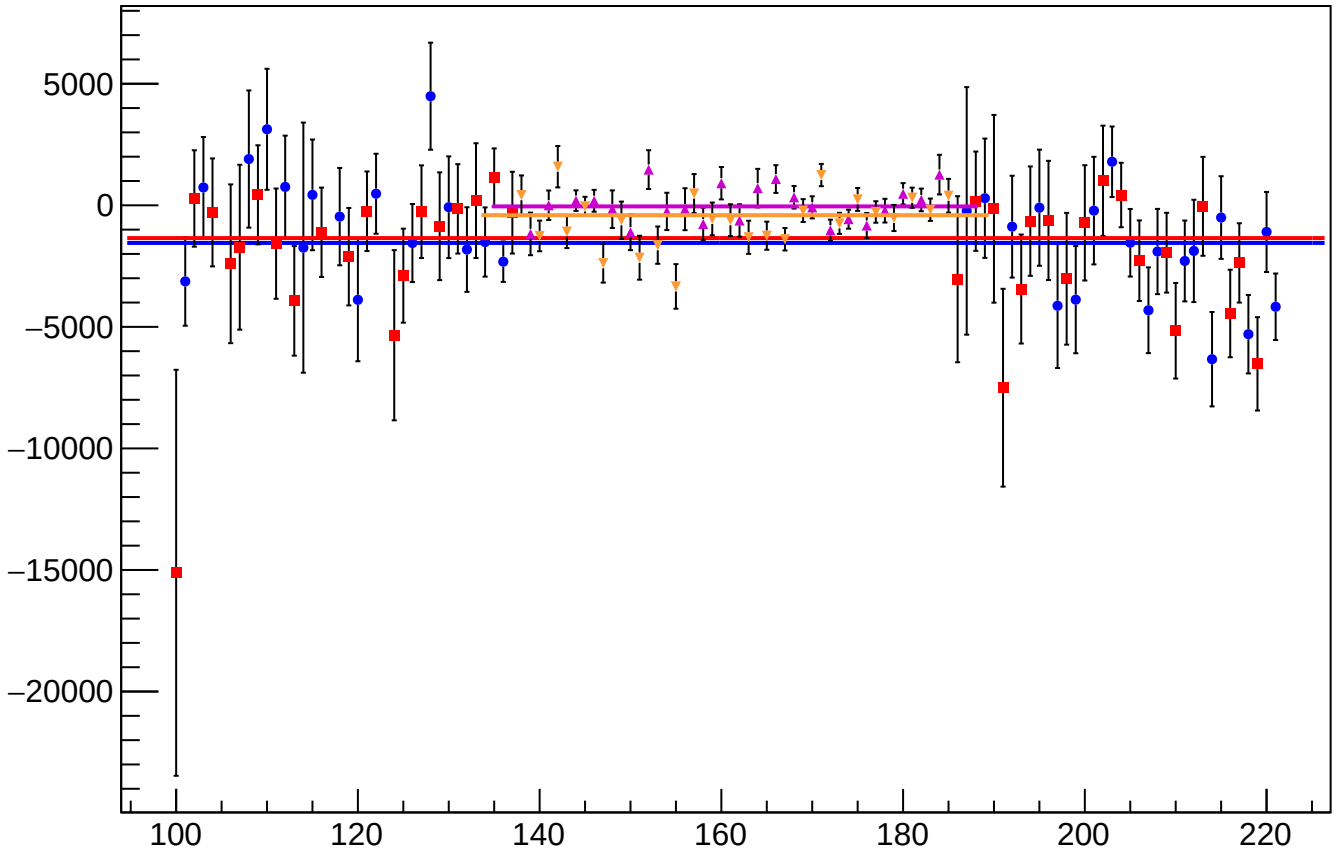
Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.525+/-0.008 χ^2/NDF: 13144370.0/58

All: 69.809+/-0.006 χ^2/NDF: 27305029.8/118

- sign 70.118+/-0.009 χ^2/NDF: 14158274.1/59



Right In: -1548.073+/-309.489 χ^2/NDF: 47.7/33

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1348.091+/-336.355 χ^2/NDF: 37.1/36

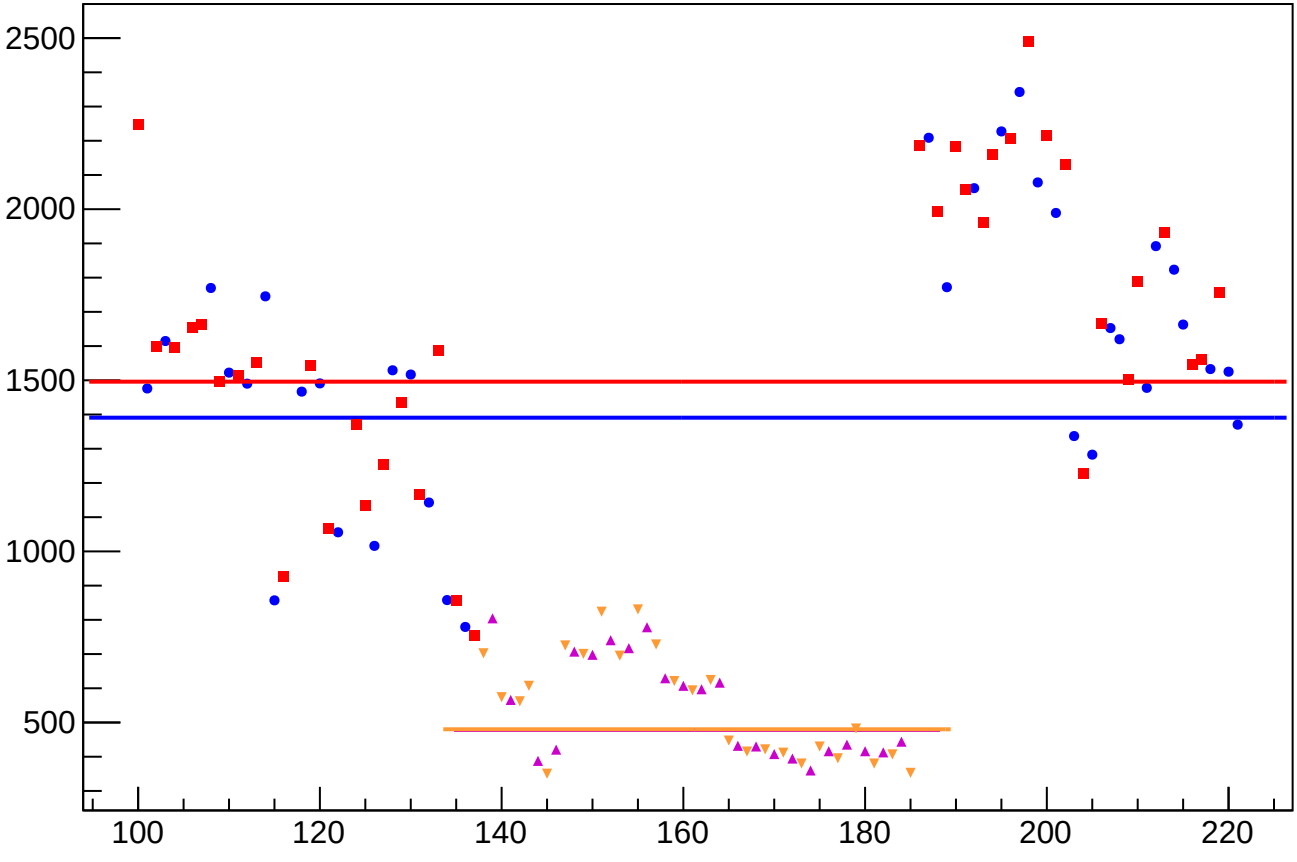
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -541.606+/-106.533 χ^2/NDF: 122.9/58

All: -367.098+/-76.345 χ^2/NDF: 210.0/118

- sign -182.859+/-109.463 χ^2/NDF: 81.6/59

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1390.761+/-0.219 χ^2/NDF: 3368977.5/33

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

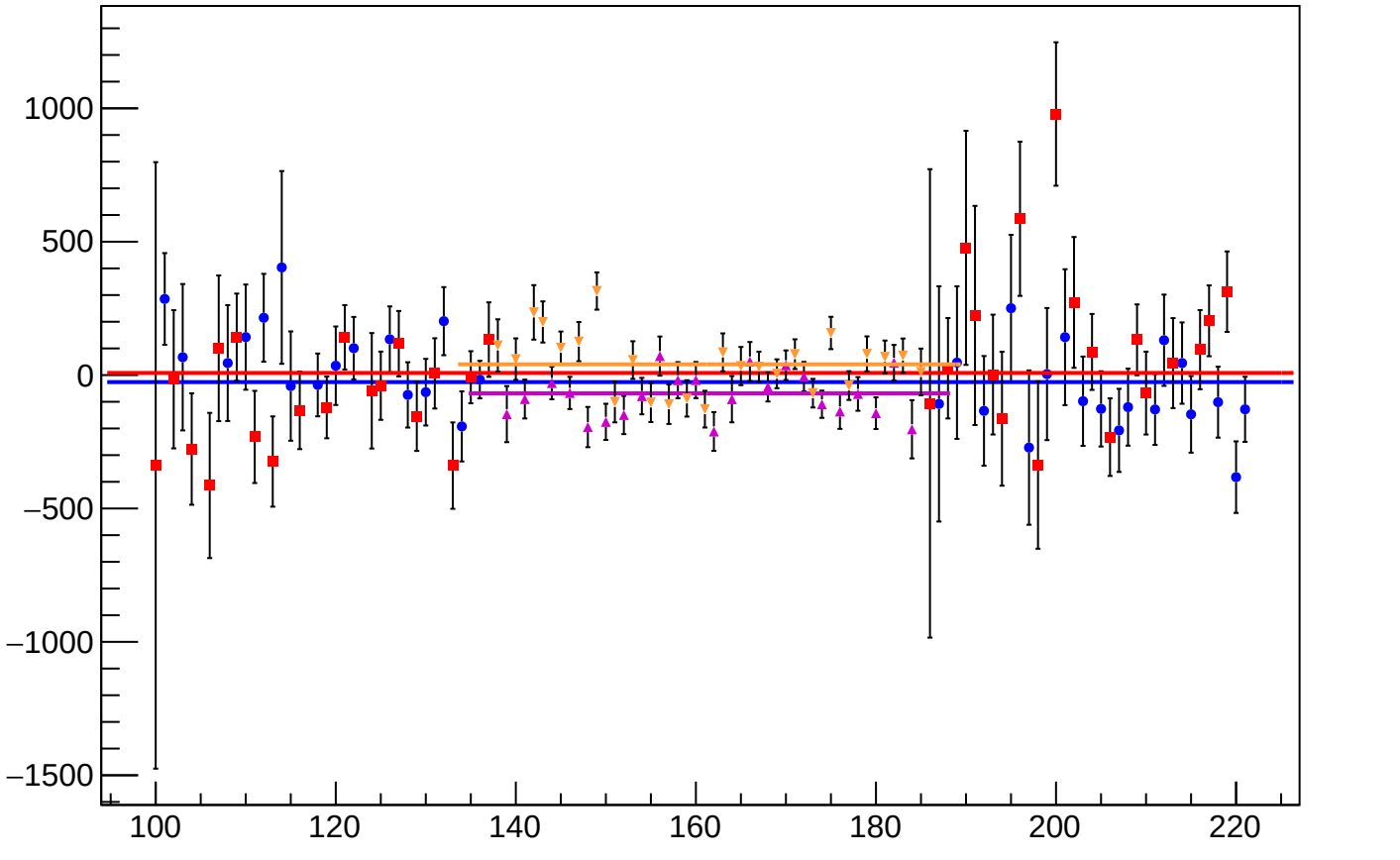
Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 588.058+/-0.075 χ^2/NDF: 21213548.8/58

All: 587.005+/-0.054 χ^2/NDF: 42923800.7/11

- sign 585.892+/-0.077 χ^2/NDF: 21709849.5/59



Right In: -26.218+/-25.770 χ^2/NDF: 31.4/33

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 7.964+/-27.438 χ^2/NDF: 54.5/36

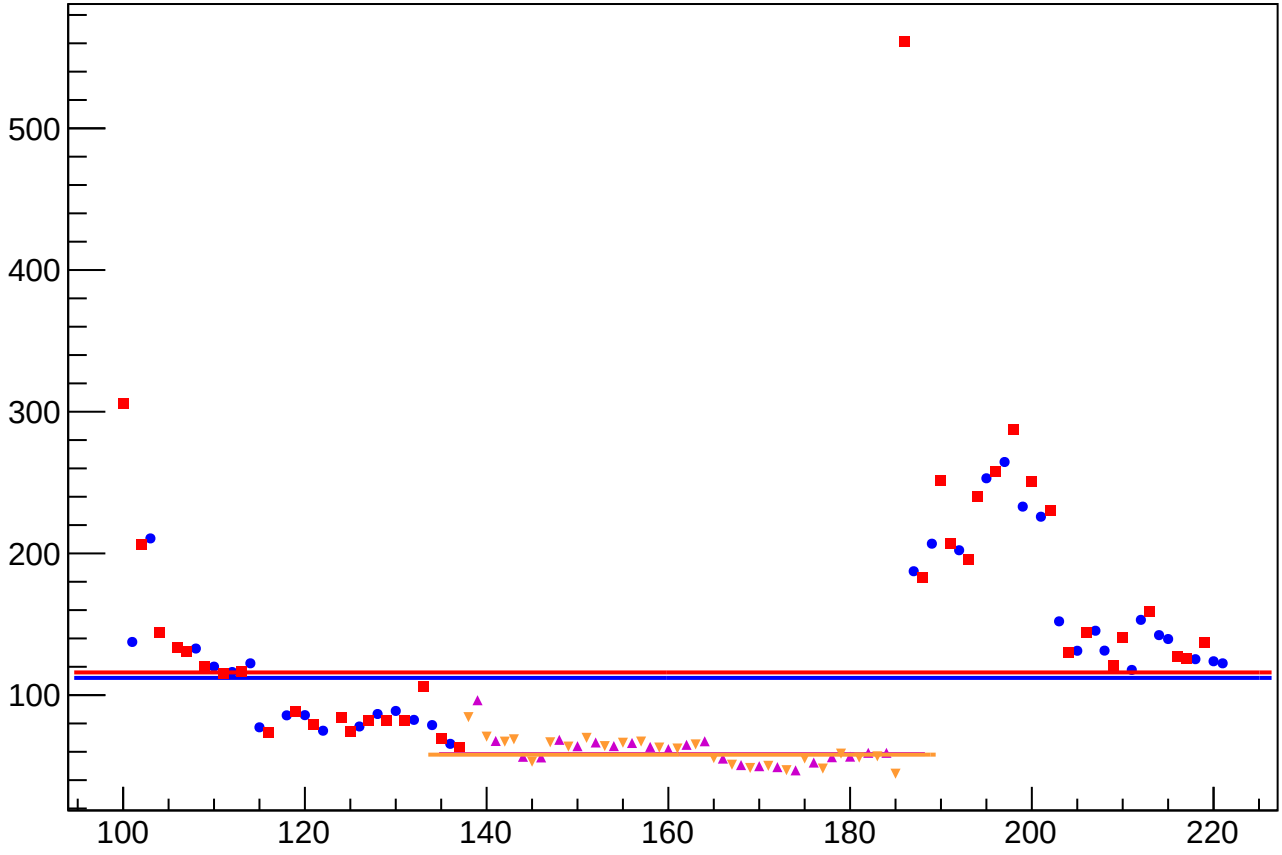
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 26.175+/-11.890 χ^2/NDF: 96.0/58

All: -11.743+/-8.574 χ^2/NDF: 209.7/118

- sign -52.820+/-12.376 χ^2/NDF: 92.4/59

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 112.155+/-0.018 χ^2/NDF: 5383739.0/33

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

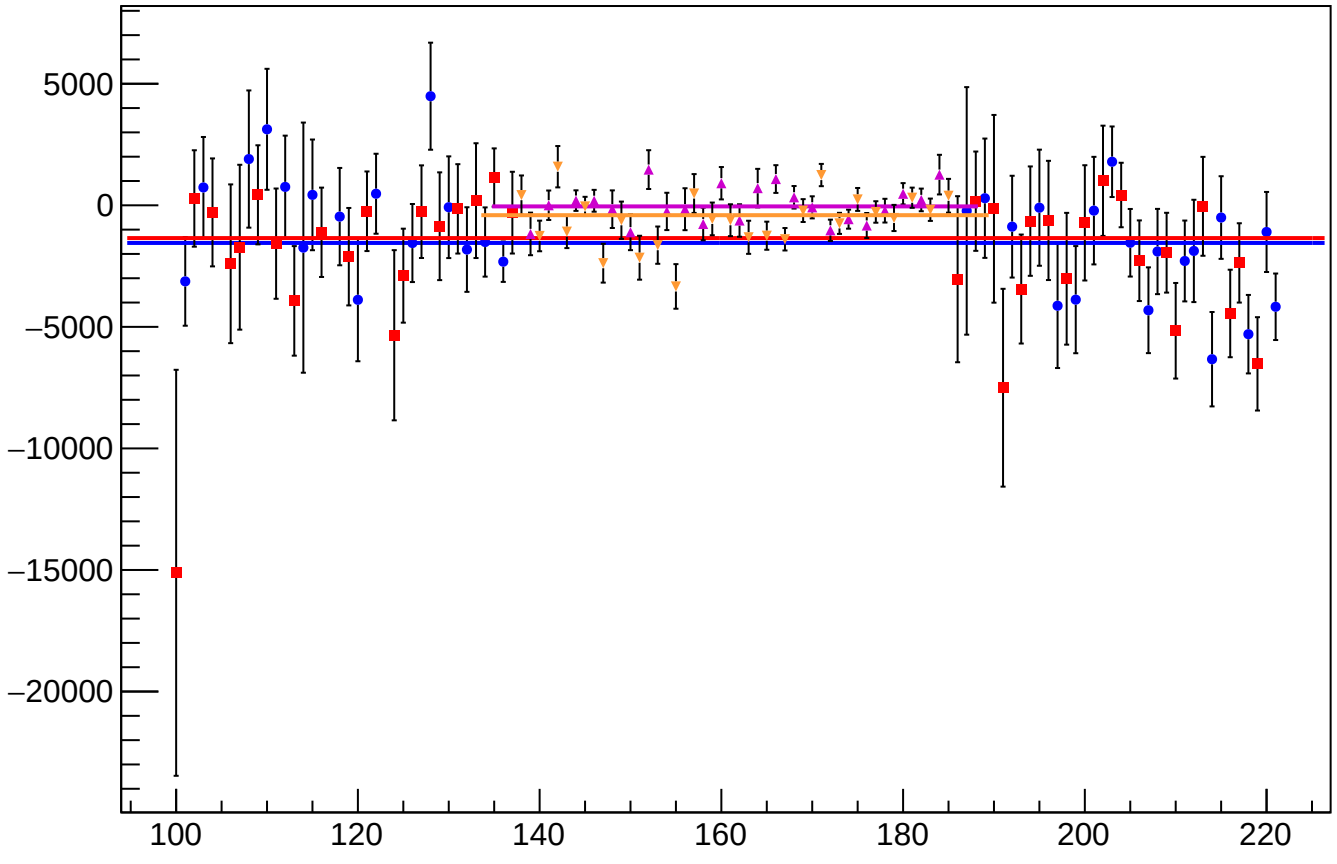
Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.525+/-0.008 χ^2/NDF: 13144370.0/58

All: 69.809+/-0.006 χ^2/NDF: 27305029.8/118

- sign 70.118+/-0.009 χ^2/NDF: 14158274.1/59



Right In: -1548.073+/-309.489 χ^2/NDF: 47.7/33

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

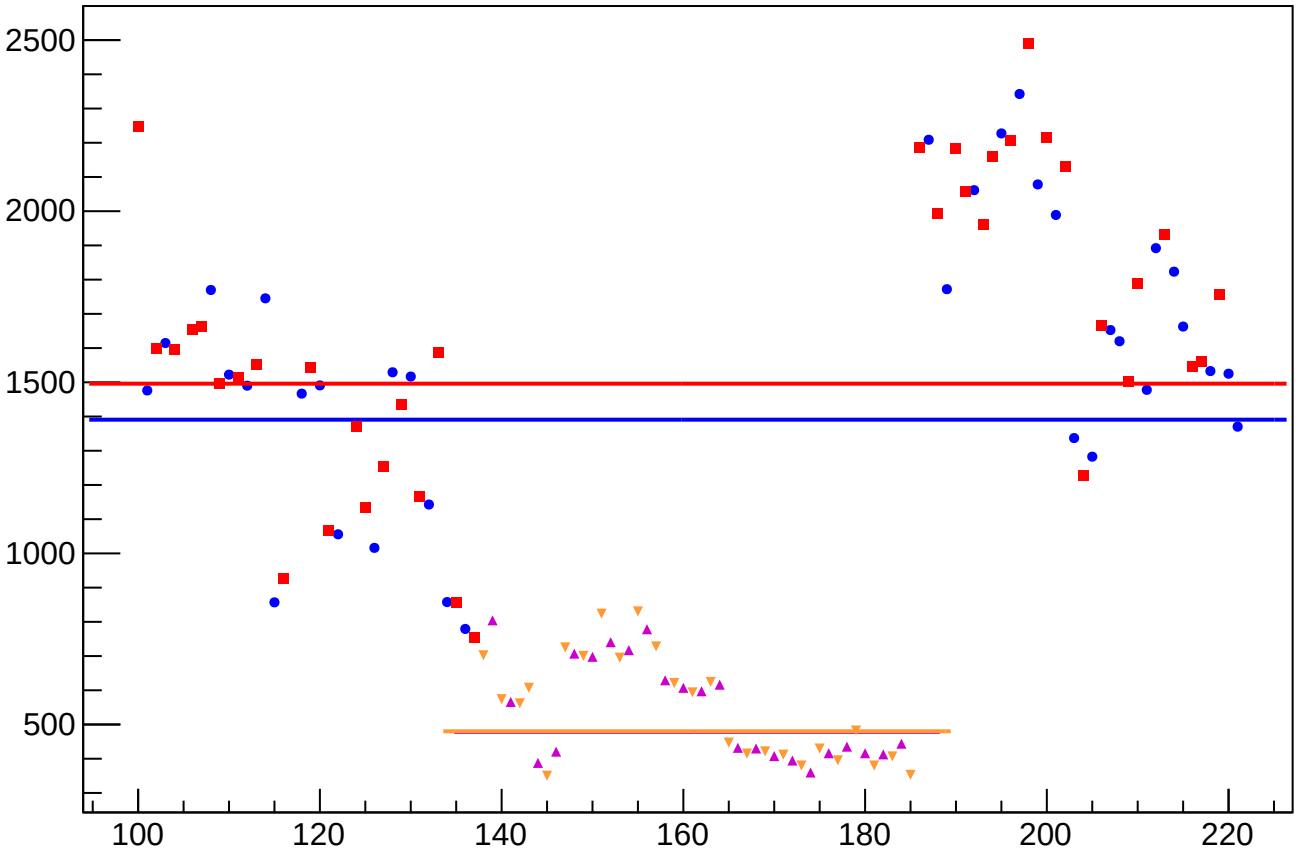
Right Out: -1348.091+/-336.355 χ^2/NDF: 37.1/36

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -541.606+/-106.533 χ^2/NDF: 122.9/58

All: -367.098+/-76.345 χ^2/NDF: 210.0/118

- sign -182.859+/-109.463 χ^2/NDF: 81.6/59



Right In: 1390.761+/-0.219 χ^2/NDF: 3368977.5/33

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

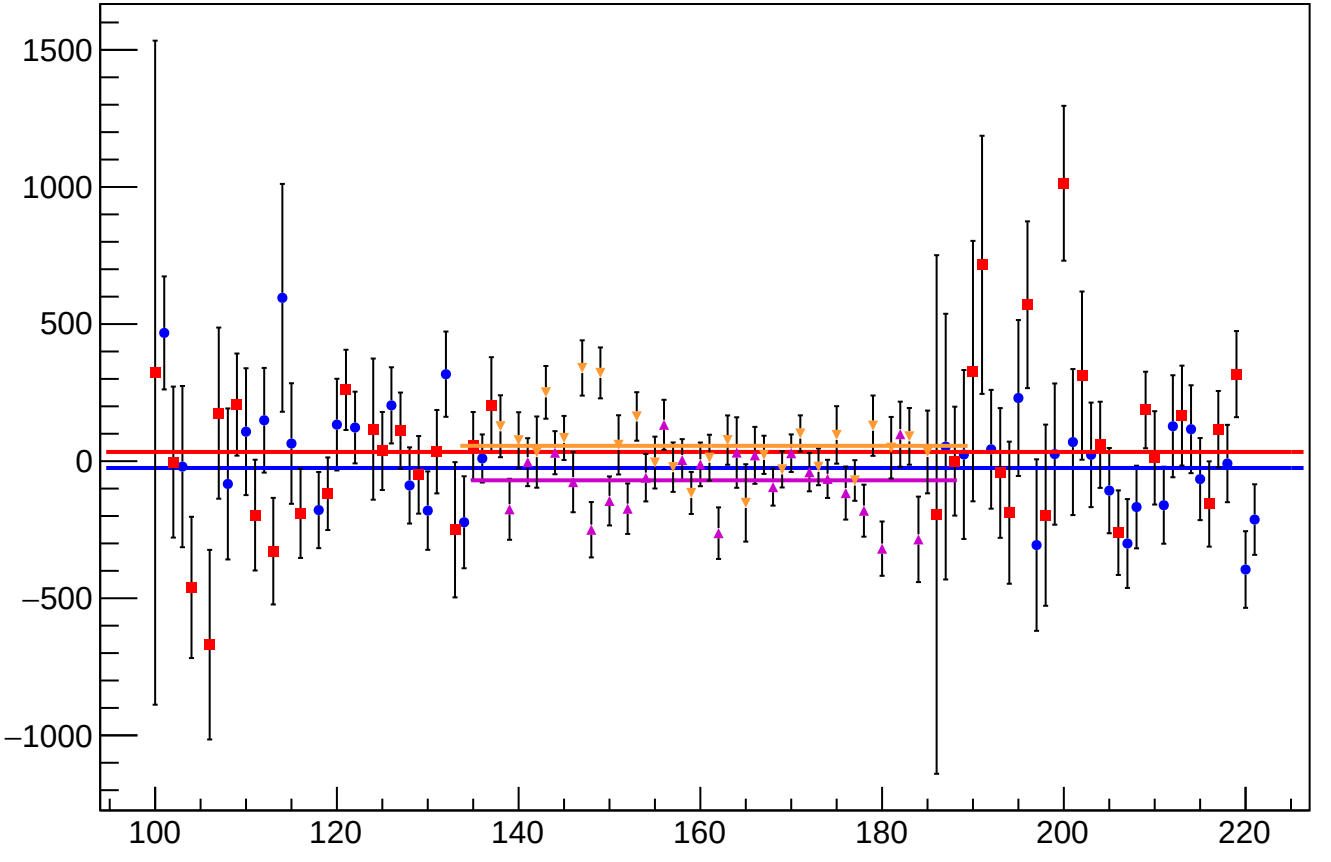
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 588.058+/-0.075 χ^2/NDF: 21213548.8/58

All: 587.005+/-0.054 χ^2/NDF: 42923800.7/11

- sign 585.892+/-0.077 χ^2/NDF: 21709849.5/59

dit_asym_sam_3726_avg_mean vs Slug



Right In: -24.859+/-28.982 χ^2/NDF: 40.9/33

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 33.630+/-31.062 χ^2/NDF: 52.8/36

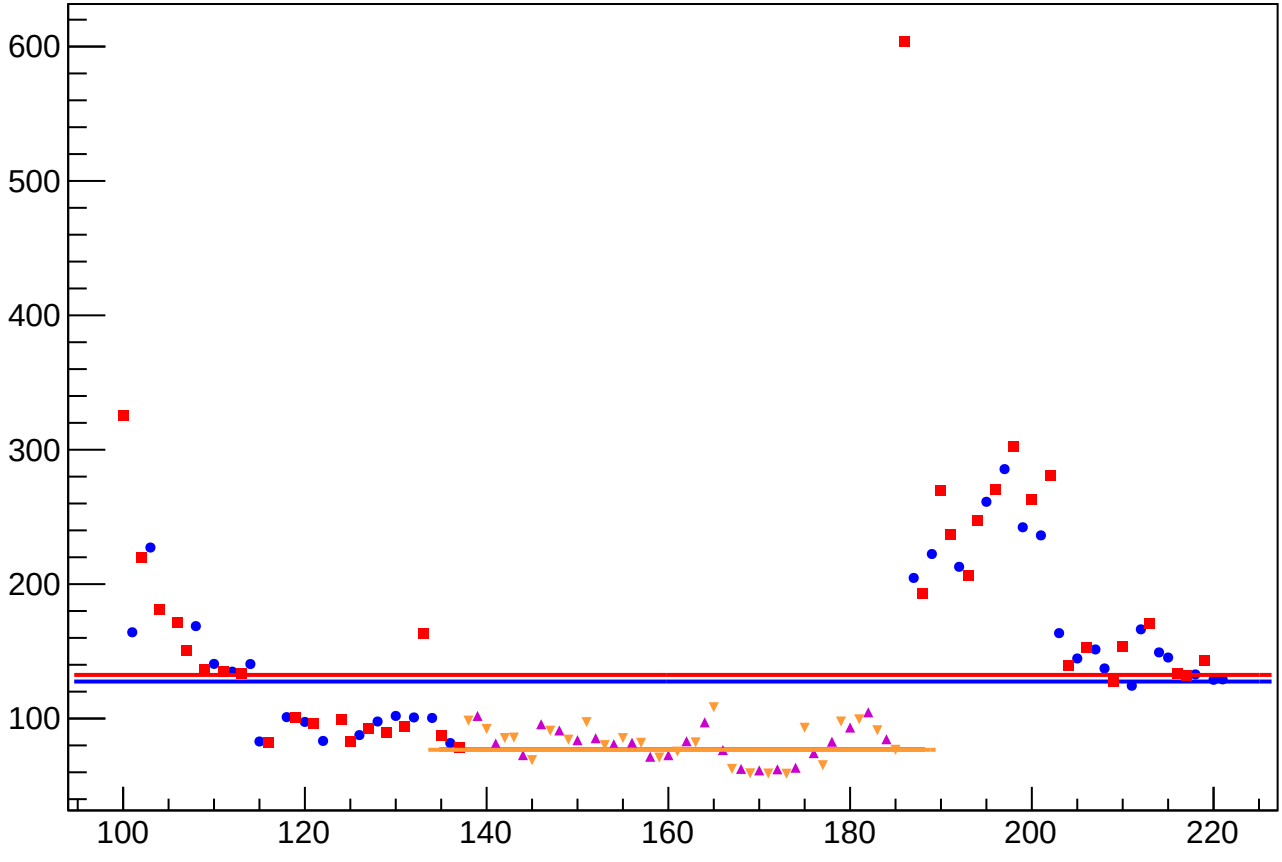
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 33.547+/-15.260 χ^2/NDF: 84.8/58

All: -3.056+/-11.007 χ^2/NDF: 192.3/118

- sign -42.757+/-15.892 χ^2/NDF: 95.6/59

dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.522+/-0.020 χ^2/NDF: 4314140.2/33

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 132.460+/-0.022 χ^2/NDF: 5570721.0/36

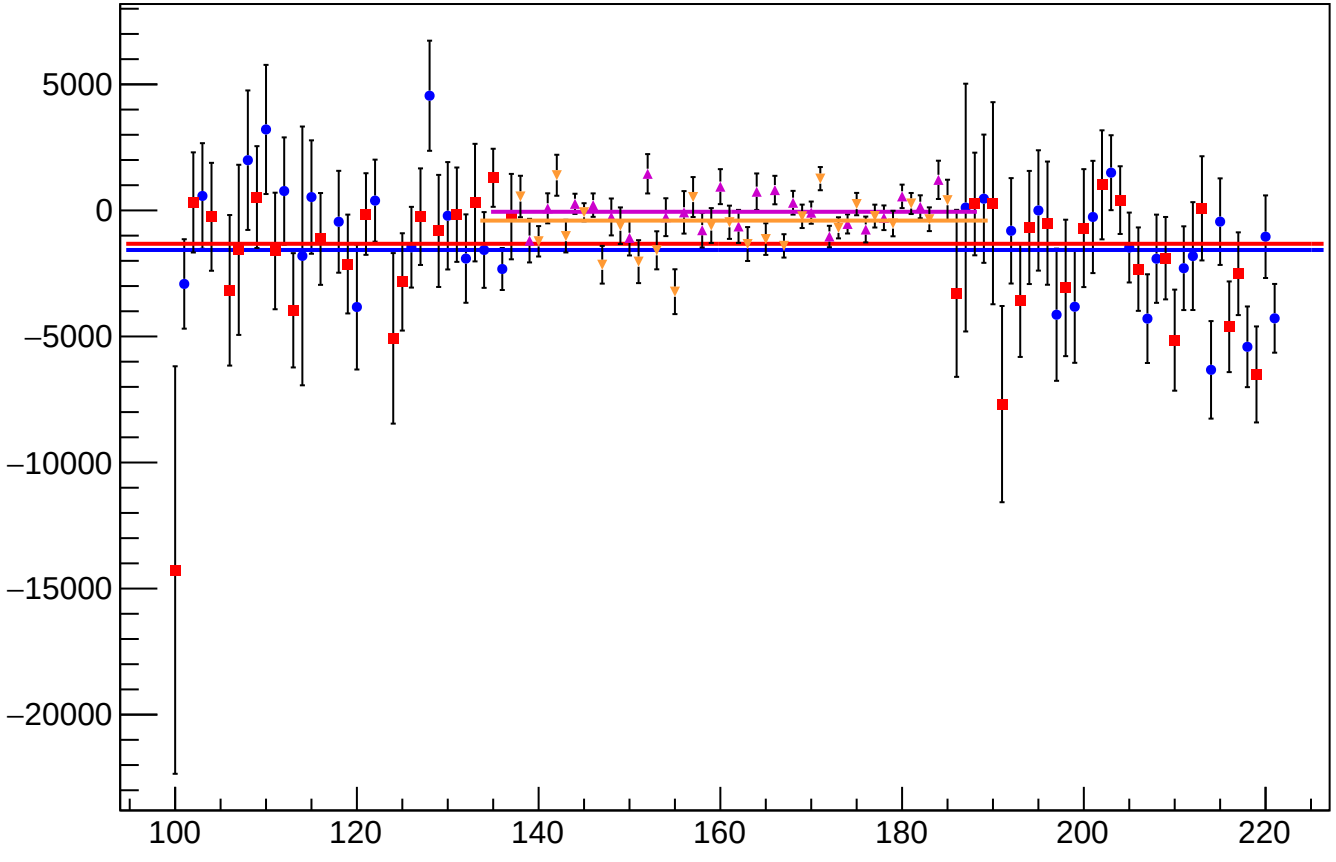
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 90.821+/-0.011 χ^2/NDF: 9986171.2/58

All: 91.161+/-0.008 χ^2/NDF: 21121630.4/118

- sign 91.531+/-0.011 χ^2/NDF: 11133380.1/59

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1569.619+/-310.639 χ^2/NDF: 47.4/33

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -1323.769+/-334.213 χ^2/NDF: 39.6/36

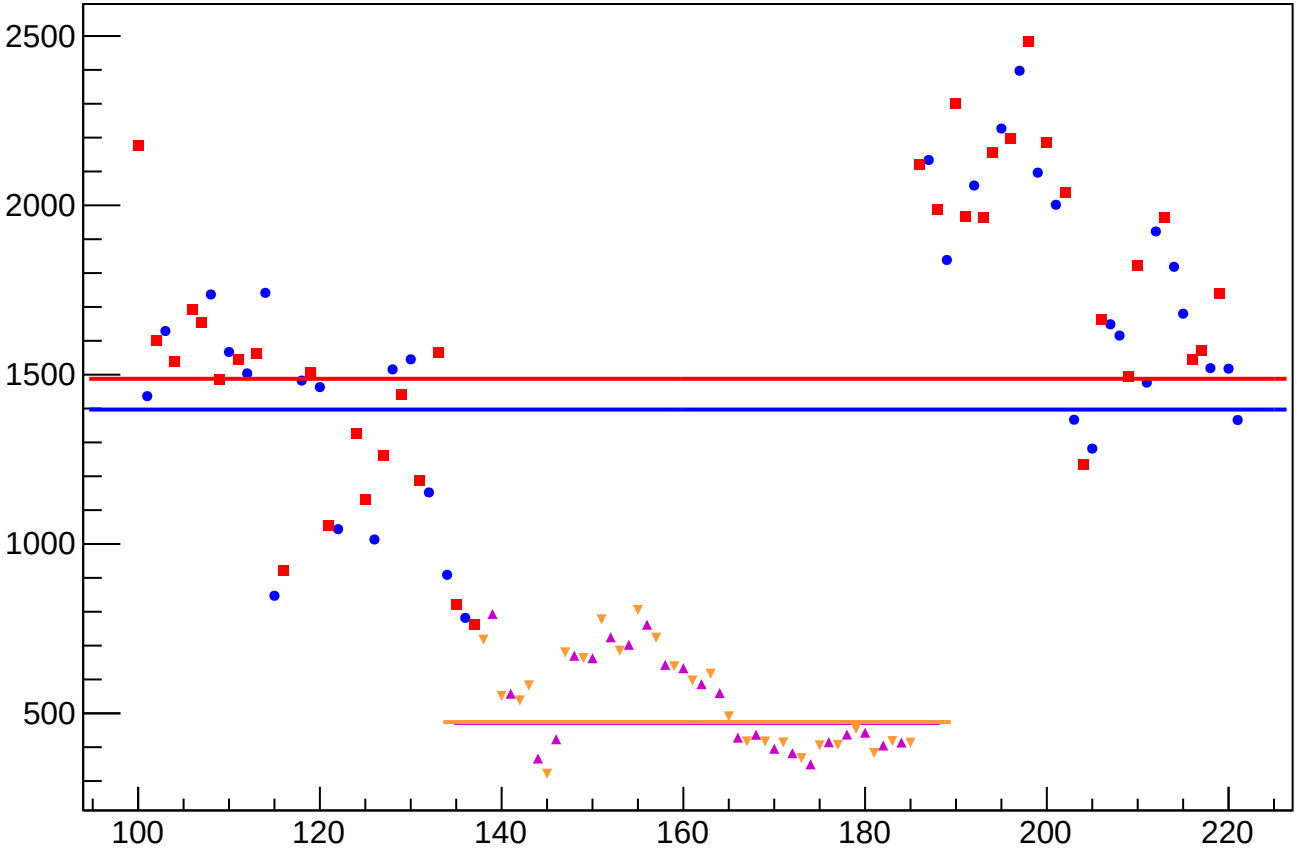
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -537.059+/-105.172 χ^2/NDF: 120.6/58

All: -366.799+/-75.377 χ^2/NDF: 209.2/118

- sign -186.976+/-108.085 χ^2/NDF: 83.2/59

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1396.964+/-0.220 χ^2/NDF: 3338470.8/33

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1487.817+/-0.236 χ^2/NDF: 3185737.0/36

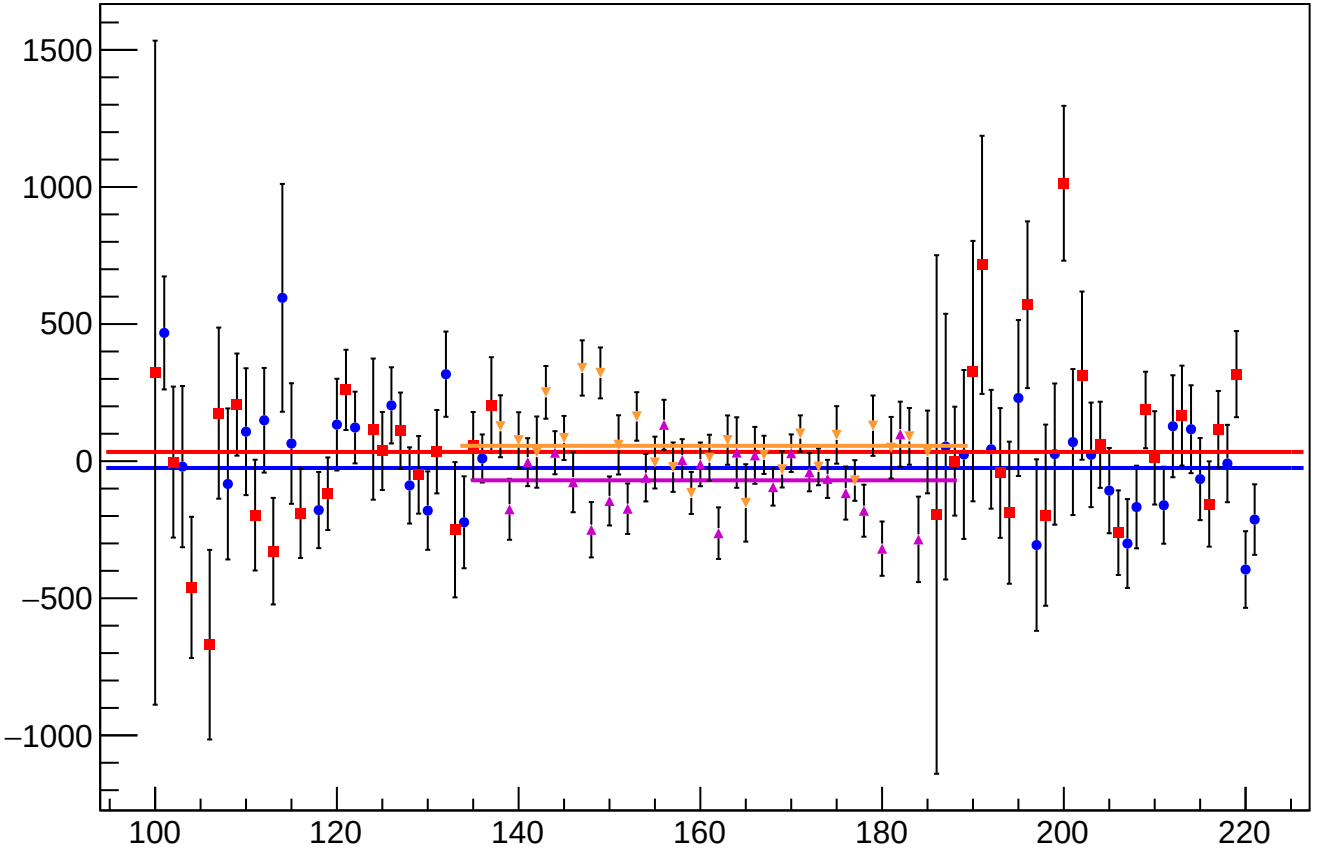
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 580.058+/-0.074 χ^2/NDF: 21499500.4/58

All: 578.938+/-0.053 χ^2/NDF: 43456654.2/11

- sign 577.756+/-0.076 χ^2/NDF: 21956687.9/59

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: -24.857+/-28.982 χ^2/NDF: 40.9/33

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 33.633+/-31.062 χ^2/NDF: 52.8/36

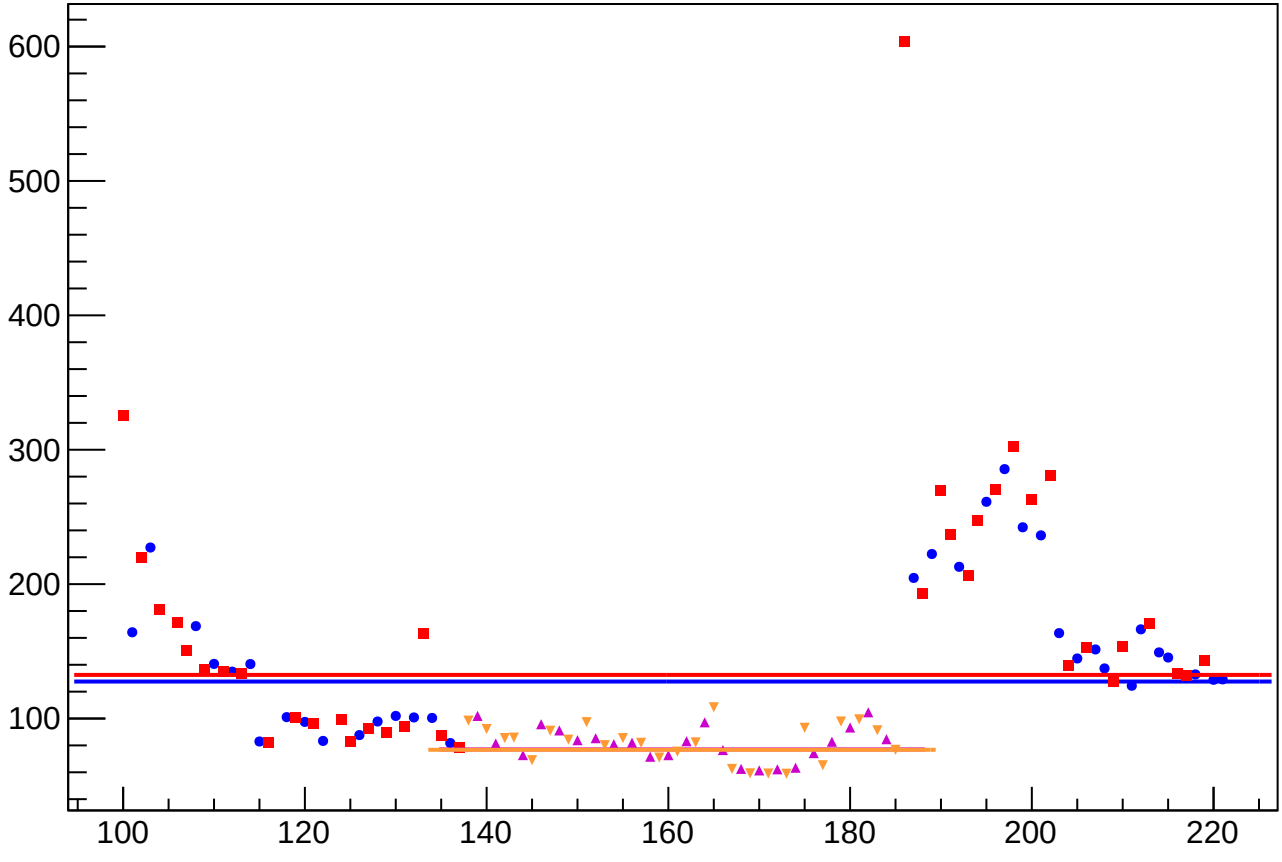
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 33.547+/-15.260 χ^2/NDF: 84.8/58

All: -3.056+/-11.007 χ^2/NDF: 192.3/118

- sign -42.756+/-15.892 χ^2/NDF: 95.6/59

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.522+/-0.020 χ^2/NDF: 4314153.6/33

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

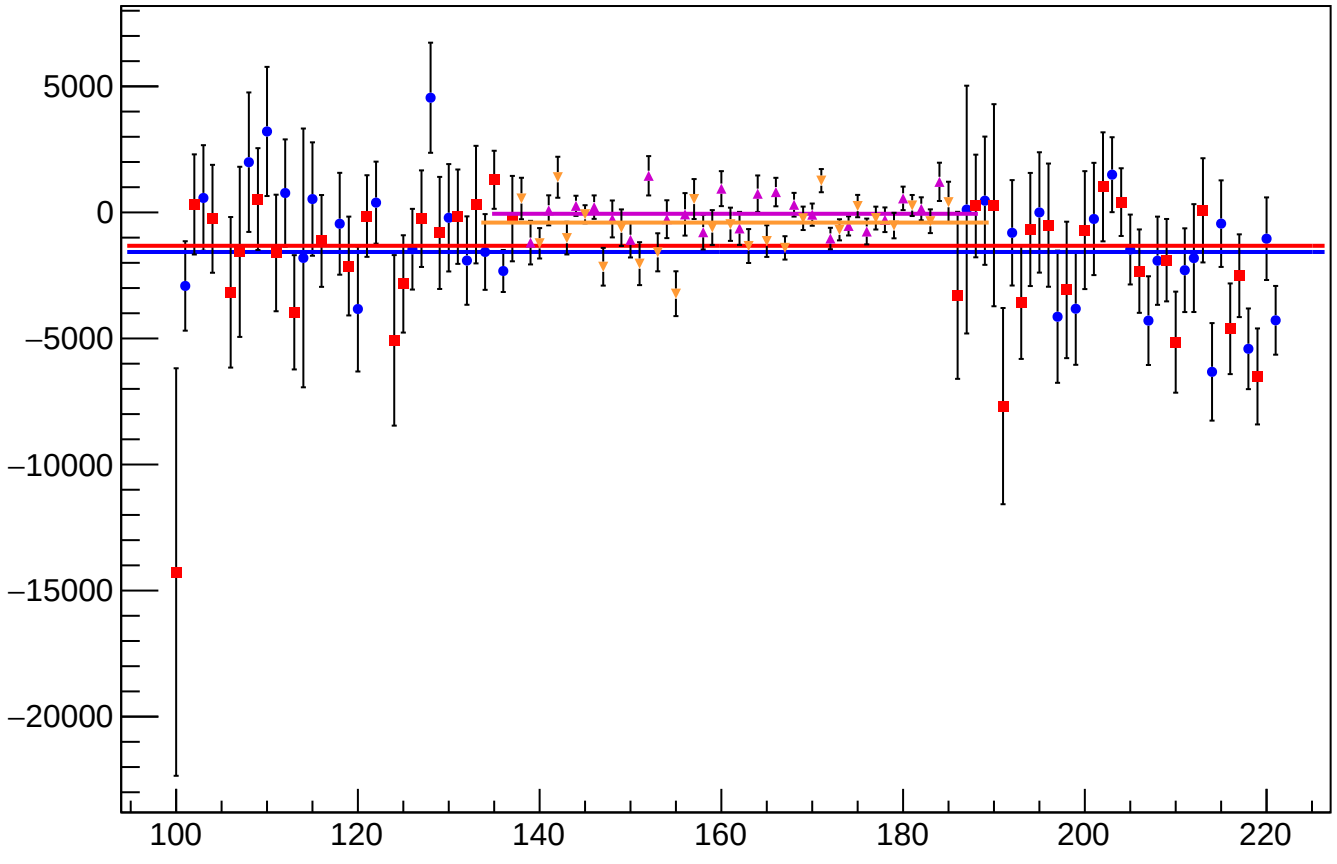
Right Out: 132.460+/-0.022 χ^2/NDF: 5570732.2/36

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 90.821+/-0.011 χ^2/NDF: 9986107.5/58

All: 91.162+/-0.008 χ^2/NDF: 21121499.3/118

- sign 91.531+/-0.011 χ^2/NDF: 11133312.5/59



Right In: -1569.615+/-310.638 χ^2/NDF: 47.4/33

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

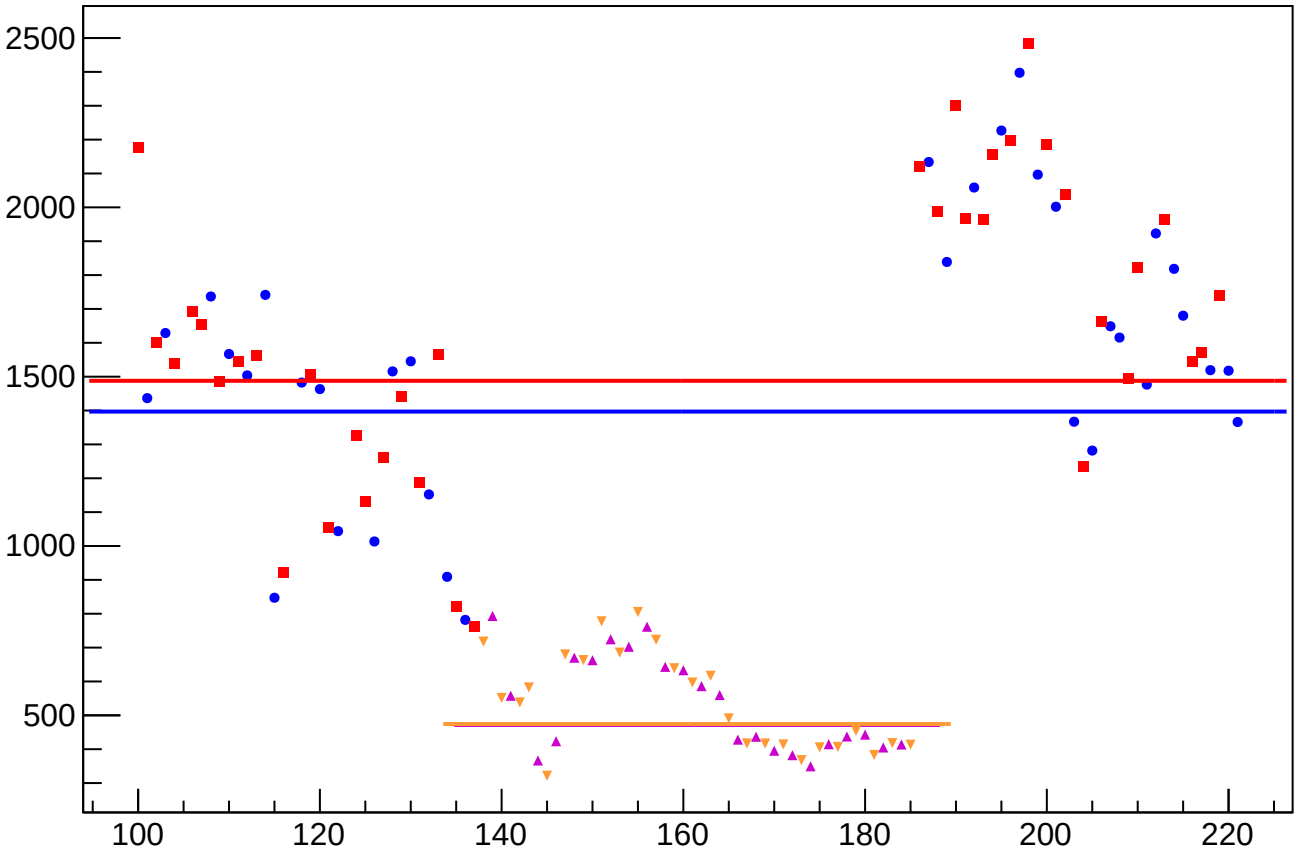
Right Out: -1323.768+/-334.212 χ^2/NDF: 39.6/36

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -537.058+/-105.172 χ^2/NDF: 120.6/58

All: -366.798+/-75.377 χ^2/NDF: 209.2/118

- sign -186.976+/-108.085 χ^2/NDF: 83.2/59



Right In: 1396.963+/-0.220 χ^2/NDF: 3338463.1/33

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1487.816+/-0.236 χ^2/NDF: 3185733.6/36

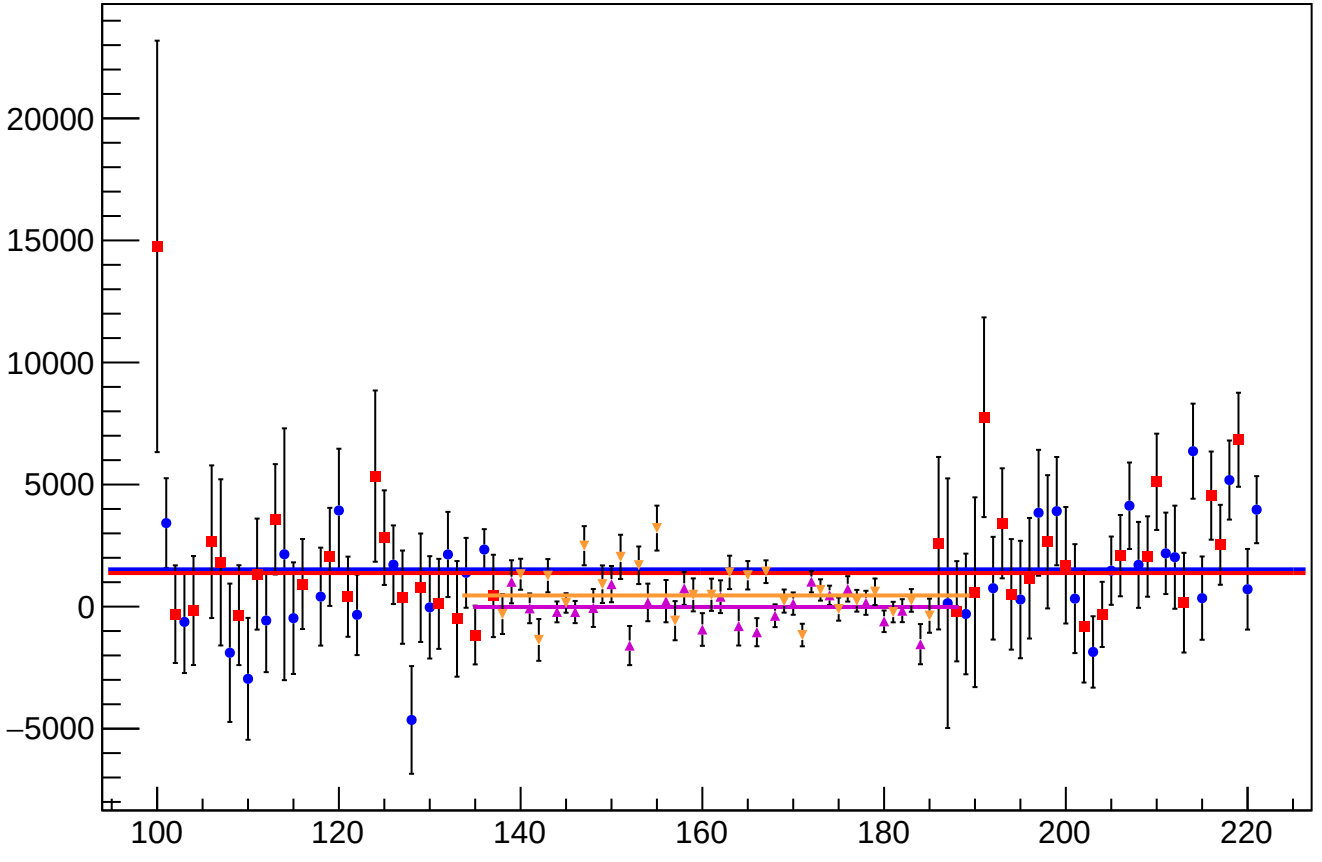
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 580.057+/-0.074 χ^2/NDF: 21499500.6/58

All: 578.938+/-0.053 χ^2/NDF: 43456639.2/11

- sign 577.756+/-0.076 χ^2/NDF: 21956672.9/59

asym_sam_3726_avg_mean vs Slug



Right In: 1526.387+/-310.849 χ^2/NDF: 46.7/33

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1374.589+/-337.641 χ^2/NDF: 37.0/36

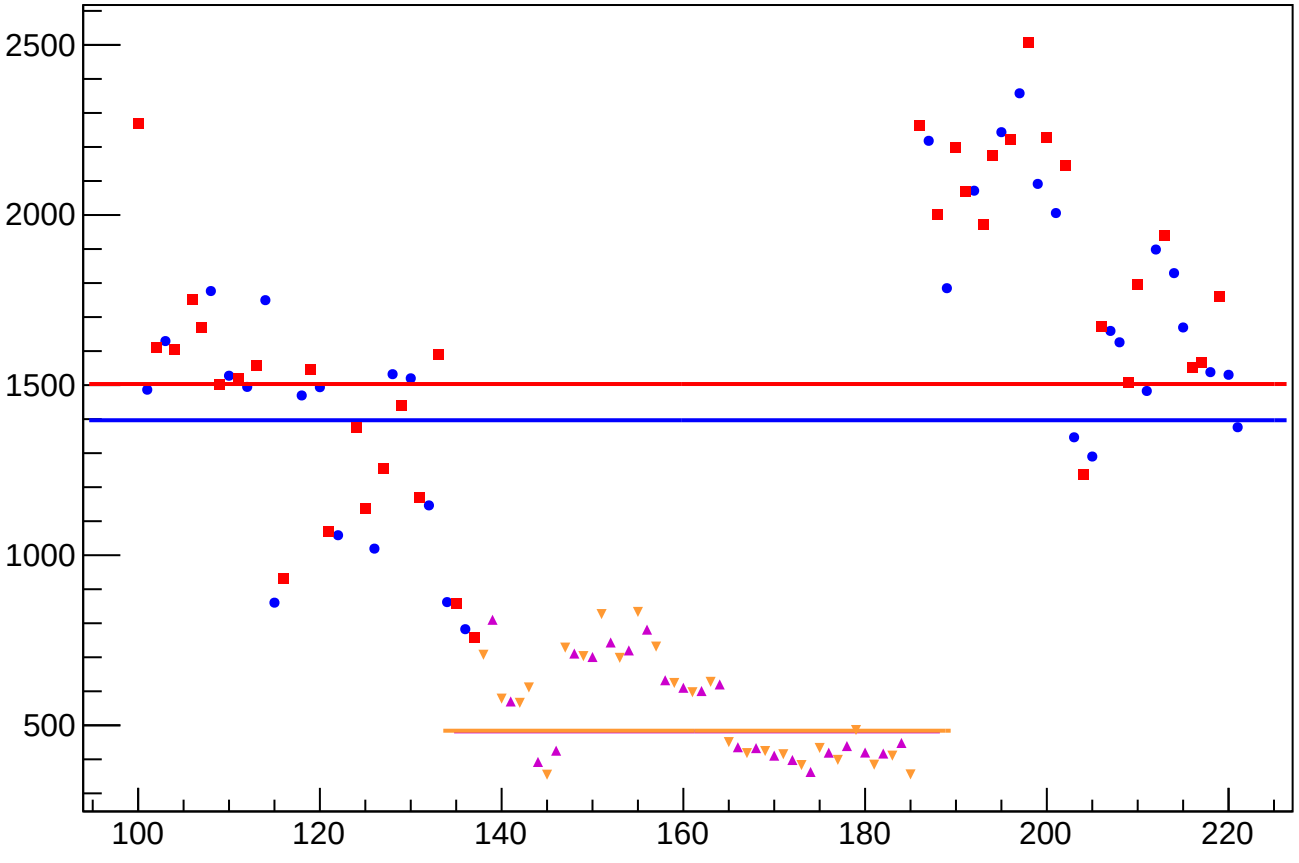
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 584.719+/-107.320 χ^2/NDF: 116.5/58

All: 365.142+/-76.918 χ^2/NDF: 207.5/118

- sign 133.210+/-110.298 χ^2/NDF: 82.4/59

asym_sam_3726_avg_rms vs Slug



Right In: 1396.746+/-0.220 χ^2/NDF: 3377537.8/33

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

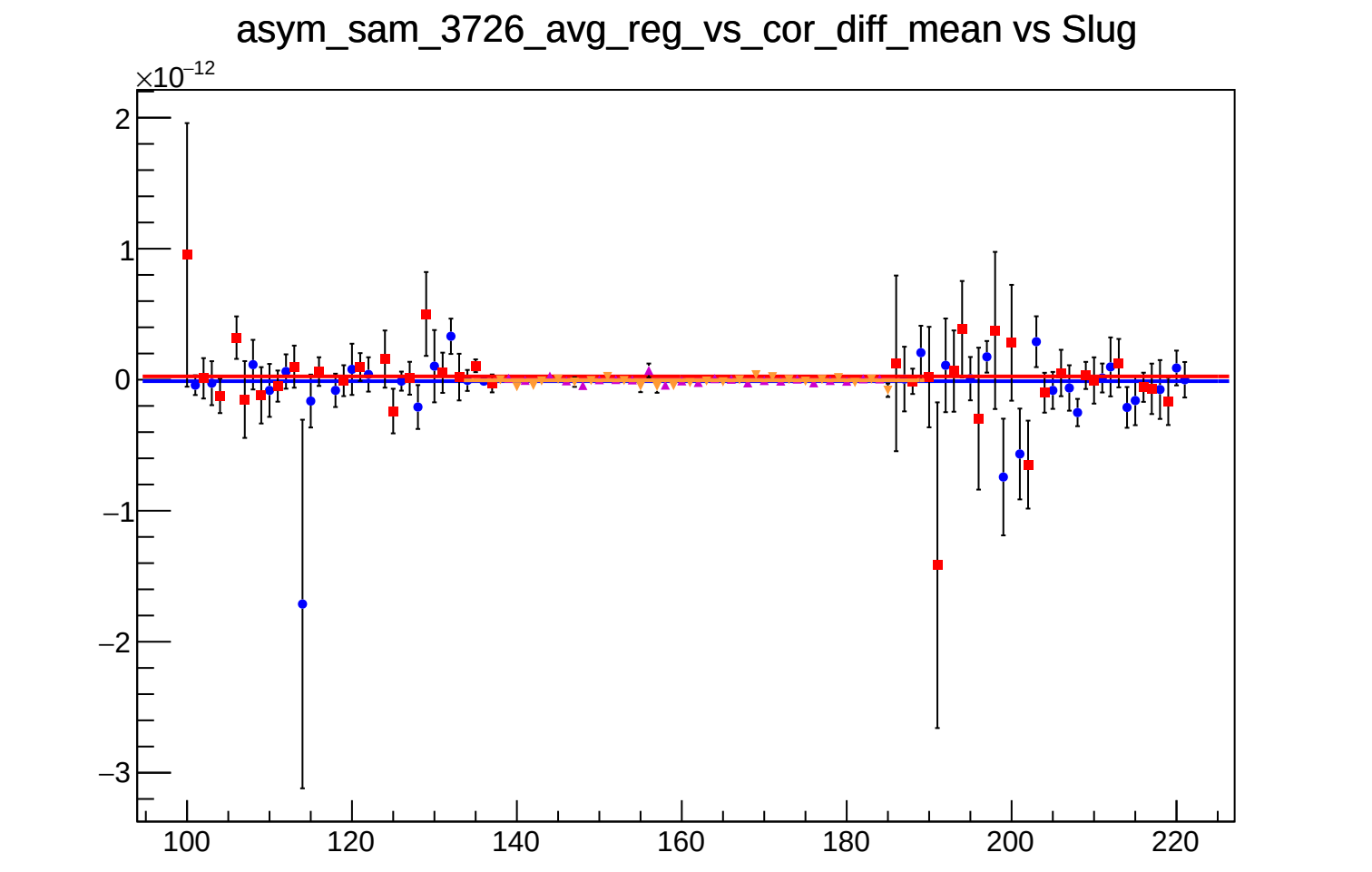
Right Out: 1503.225+/-0.239 χ^2/NDF: 3153572.1/36

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 592.908+/-0.076 χ^2/NDF: 21110051.1/58

All: 592.040+/-0.054 χ^2/NDF: 42789201.9/11

- sign 591.123+/-0.078 χ^2/NDF: 21678881.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/33

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/36

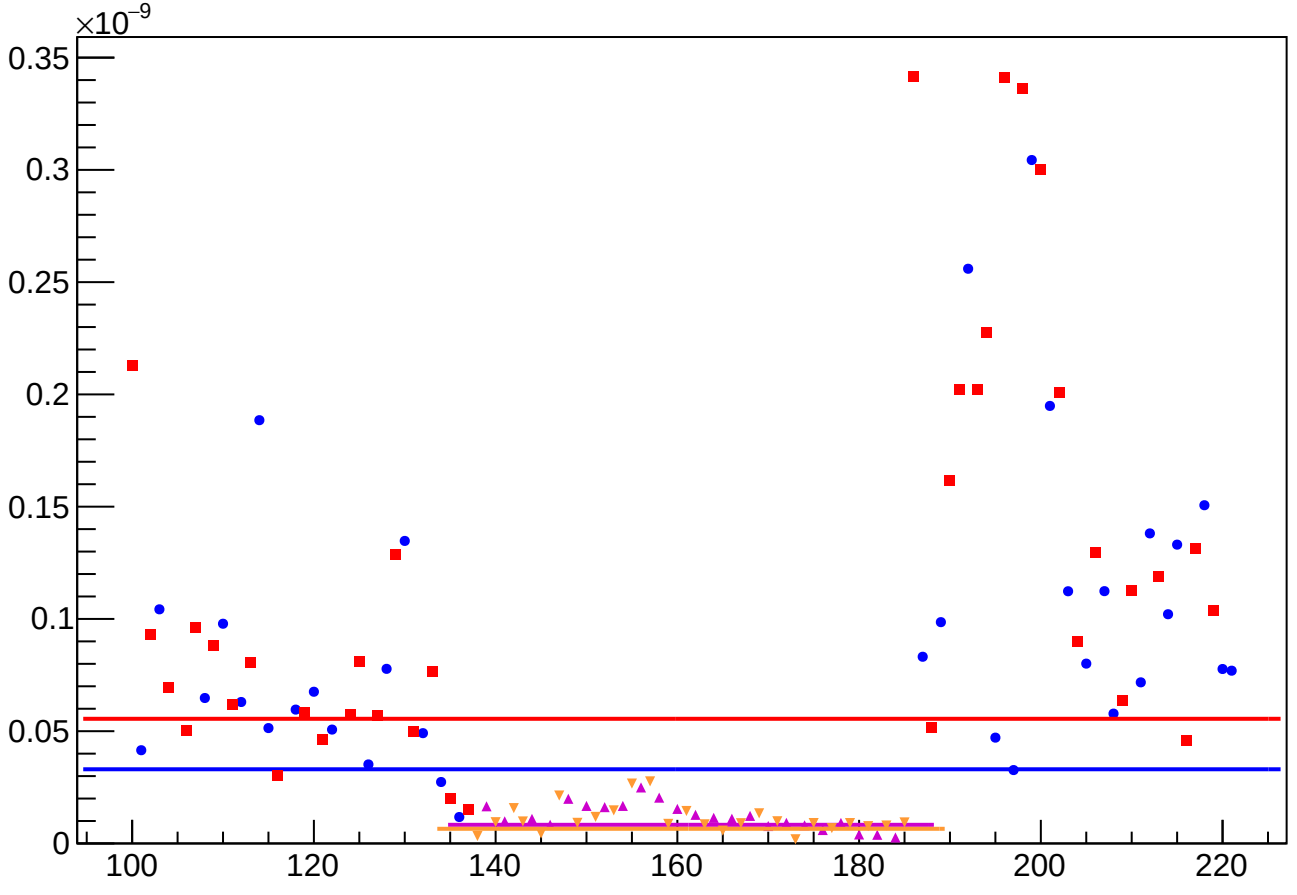
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/58

All: -0.000+/-0.000 χ^2/NDF: 106.3/118

- sign -0.000+/-0.000 χ^2/NDF: 43.0/59

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9557406.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7180253.9/36

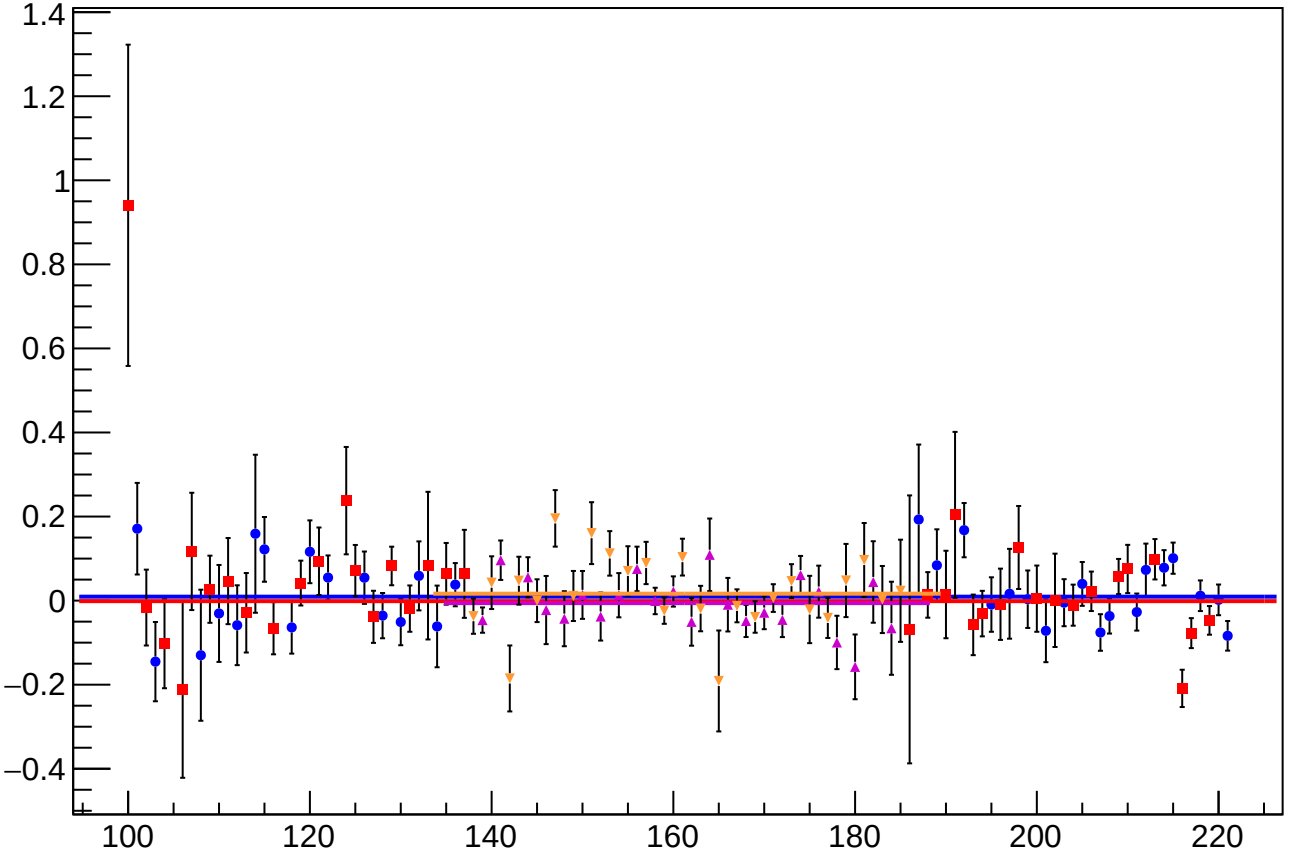
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18691840.1/58

All: 0.000+/-0.000 χ^2/NDF: 37206169.0/118

- sign 0.000+/-0.000 χ^2/NDF: 18177334.8/59

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

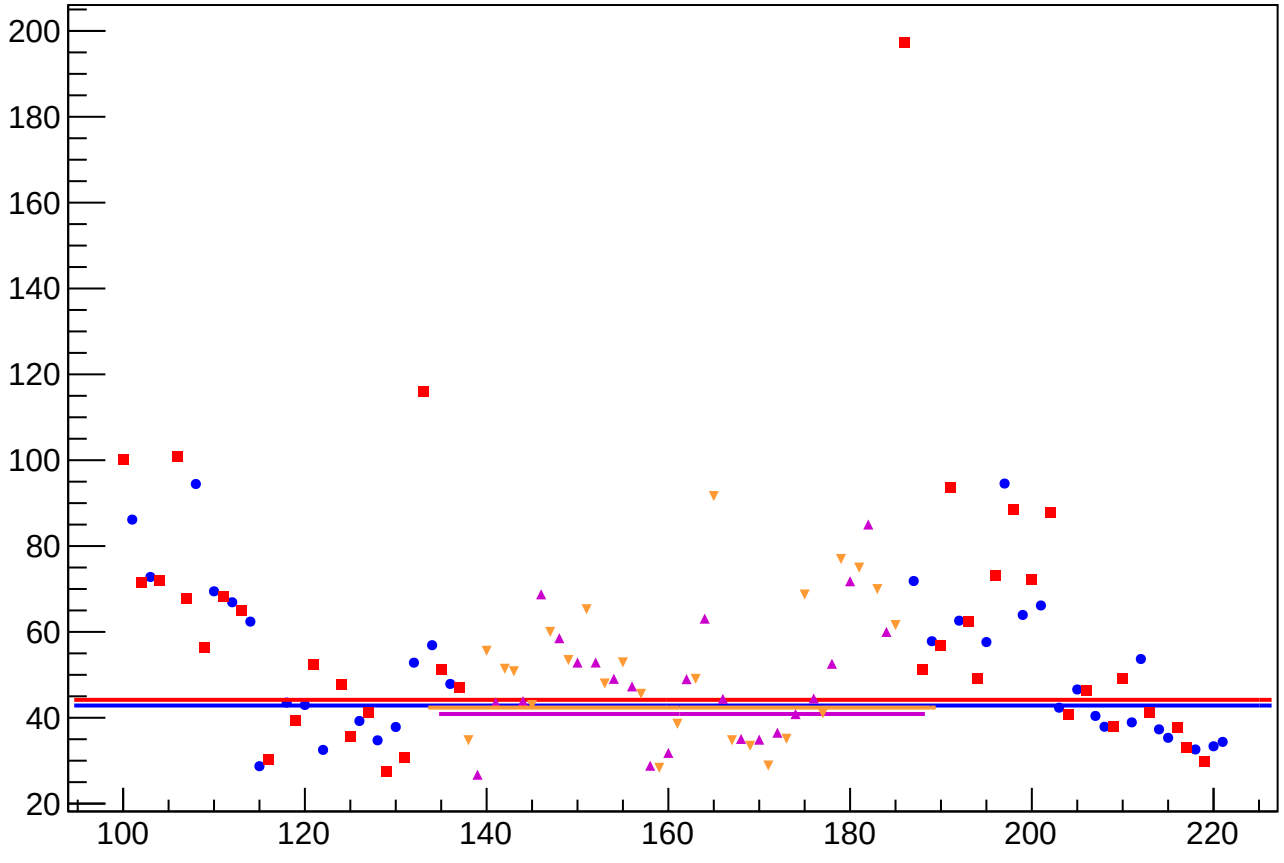
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.005+/-0.005 χ^2/NDF: 181.7/118

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.848+/-0.007 χ^2/NDF: 3202459.5/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

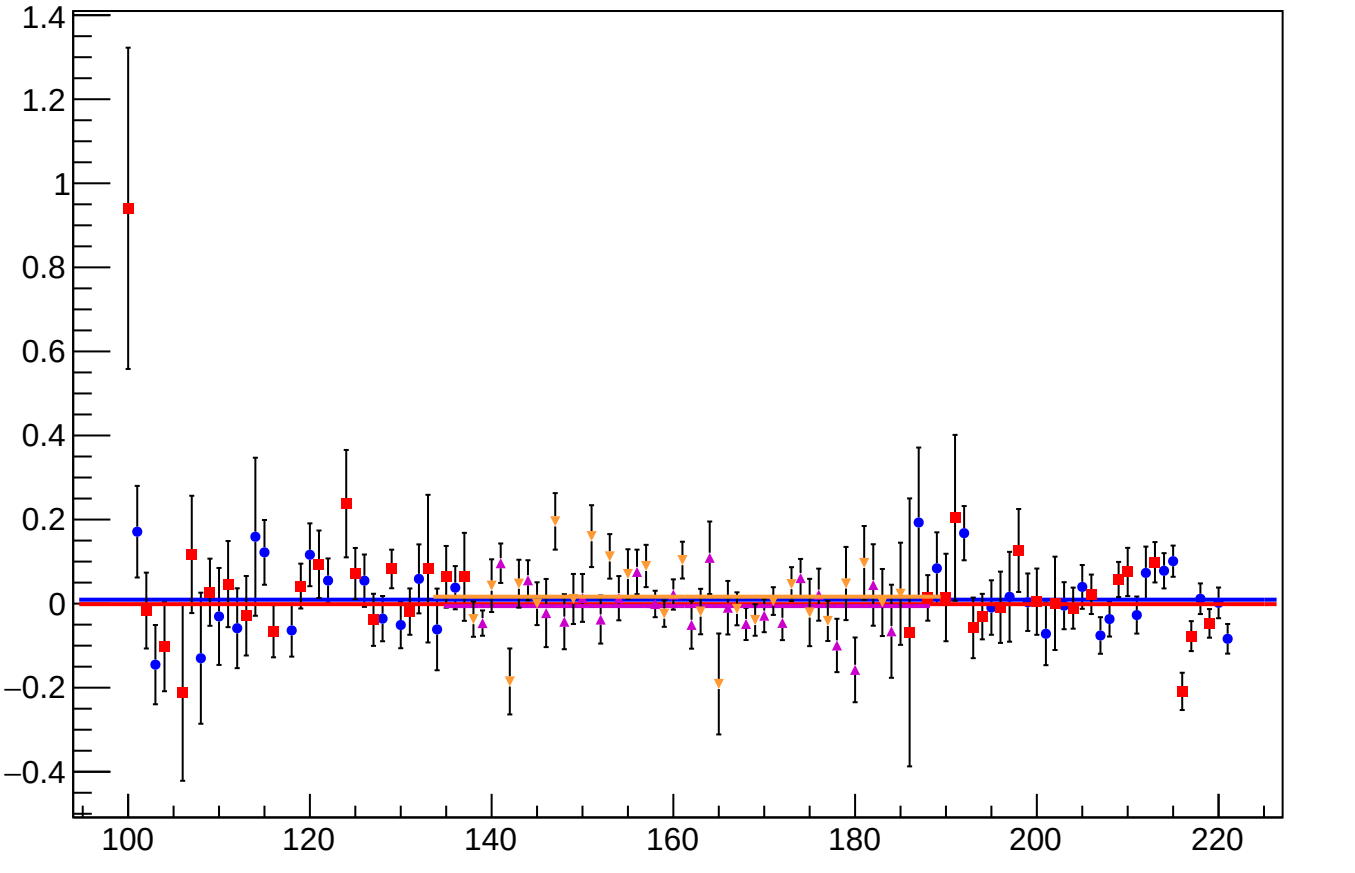
Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

\+ sign 42.623+/-0.005 χ^2/NDF: 6395624.7/58

All: 42.555+/-0.004 χ^2/NDF: 13577943.0/118

\- sign 42.483+/-0.005 χ^2/NDF: 7181947.2/59



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

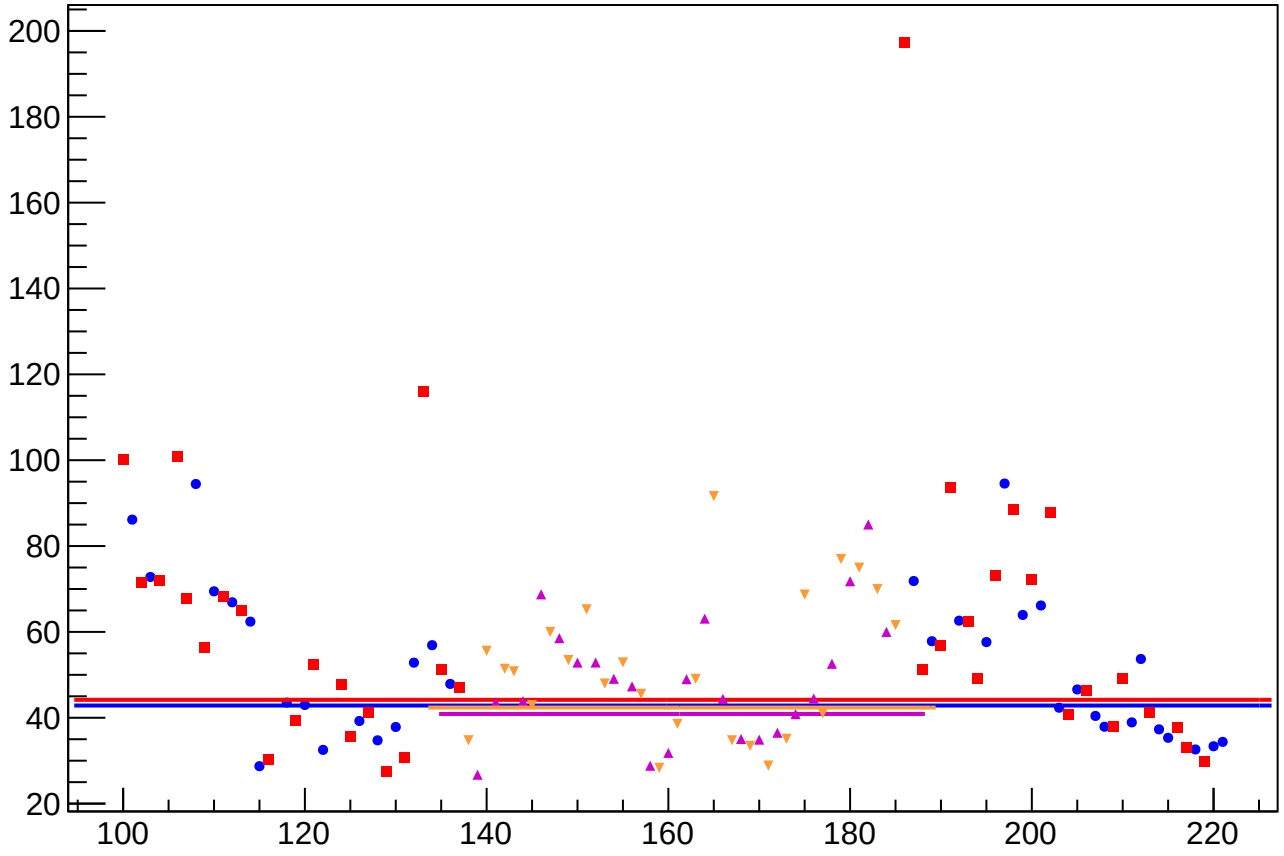
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.005+/-0.005 χ^2/NDF: 181.7/118

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.848+/-0.007 χ^2/NDF: 3202459.5/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

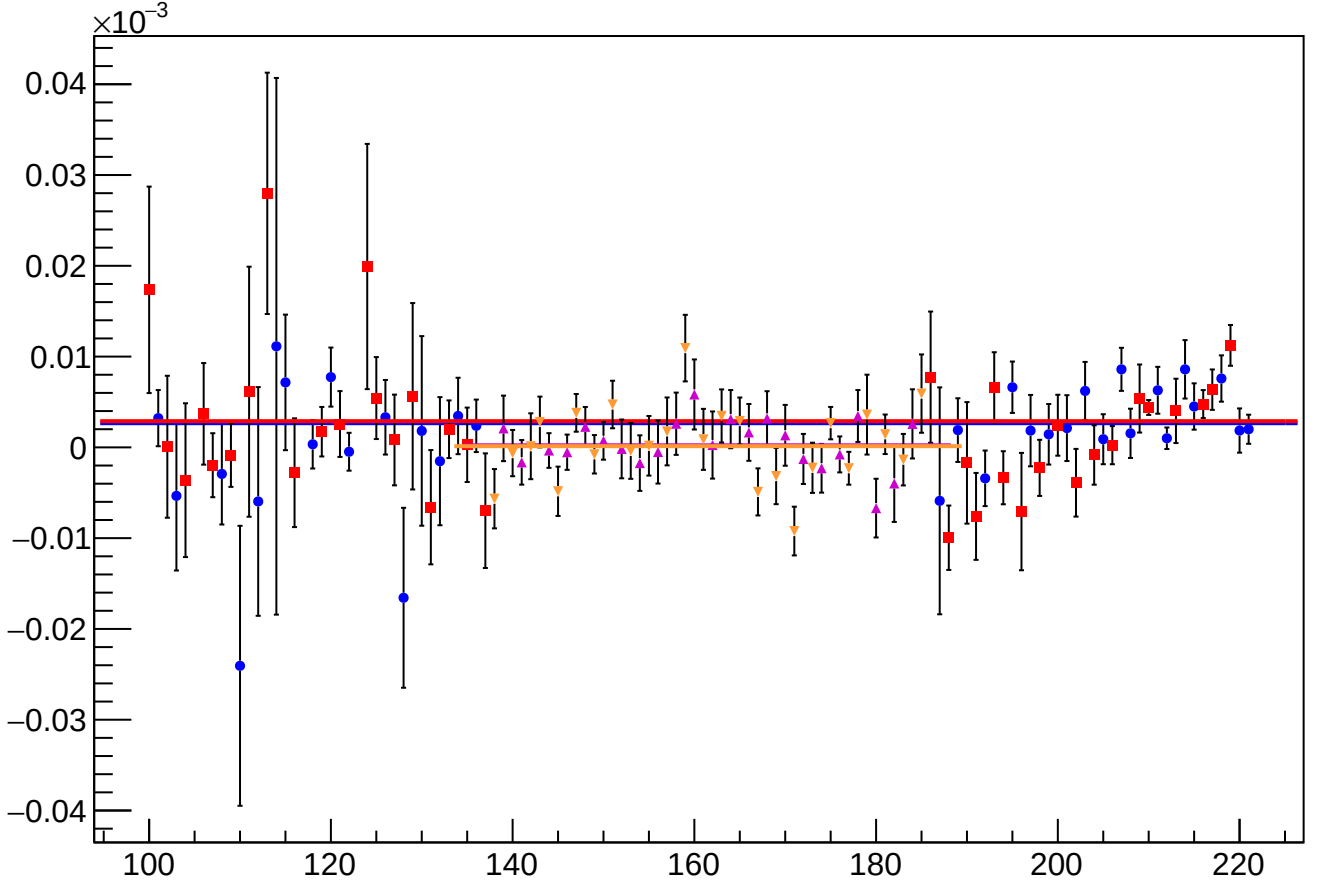
Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395624.7/58

All: 42.555+/-0.004 χ^2/NDF: 13577943.0/118

- sign 42.483+/-0.005 χ^2/NDF: 7181947.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

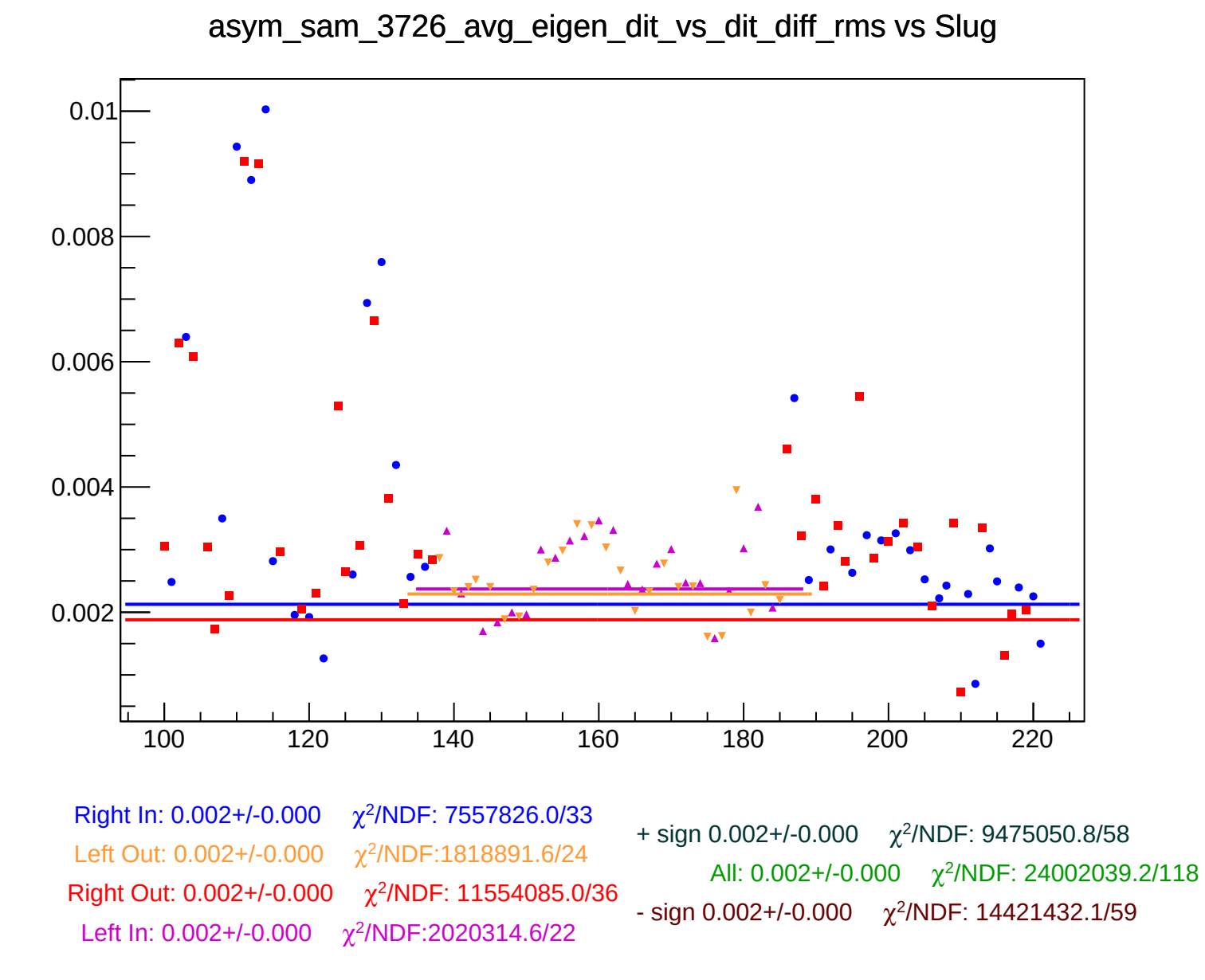
Right Out: 0.000+/-0.000 χ^2/NDF: 74.8/36

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

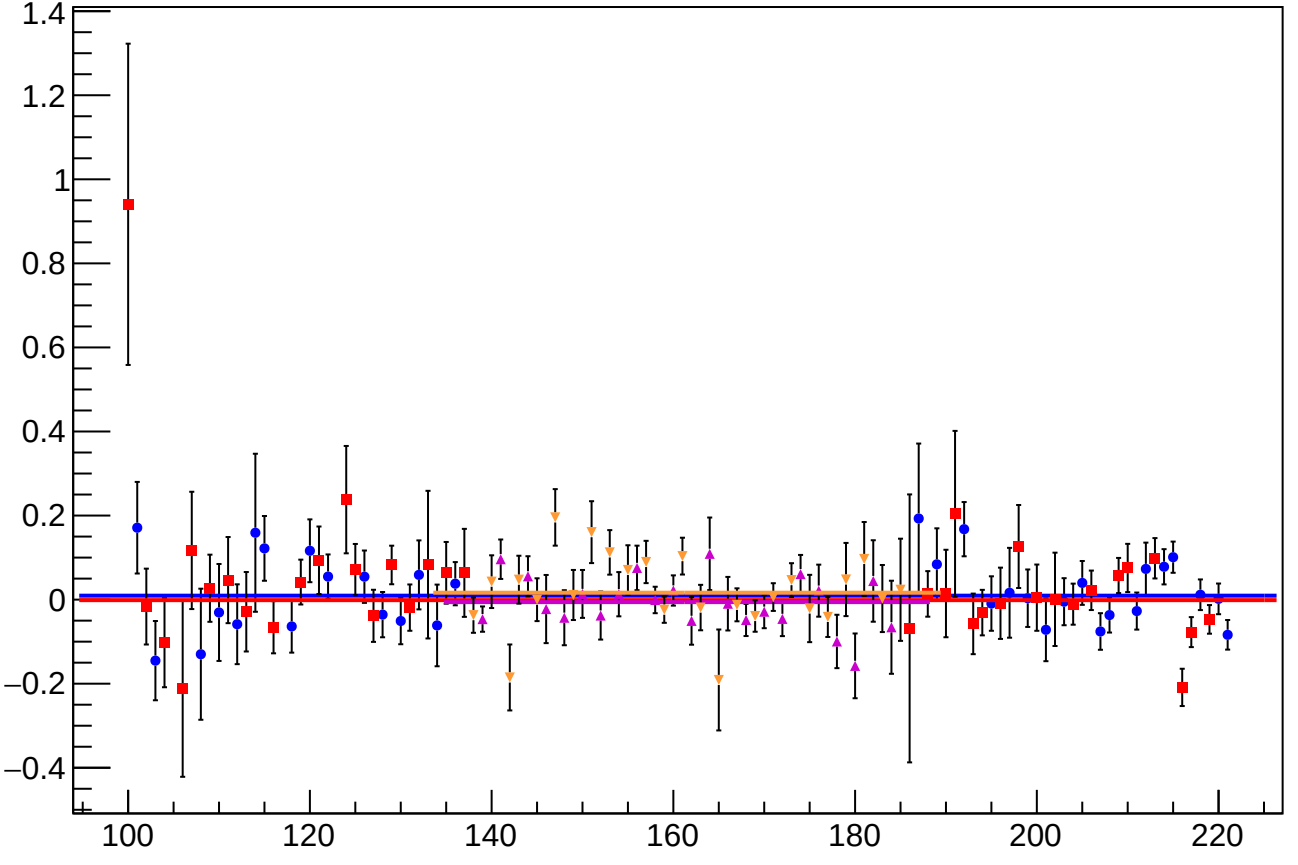
\+ sign 0.000+/-0.000 χ^2/NDF: 103.7/58

All: 0.000+/-0.000 χ^2/NDF: 207.1/118

\- sign 0.000+/-0.000 χ^2/NDF: 103.0/59


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7557826.0/33
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.002+/-0.000 χ²/NDF: 11554085.0/36
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
+ sign 0.002+/-0.000 χ²/NDF: 9475050.8/58
All: 0.002+/-0.000 χ²/NDF: 24002039.2/118
- sign 0.002+/-0.000 χ²/NDF: 14421432.1/59

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

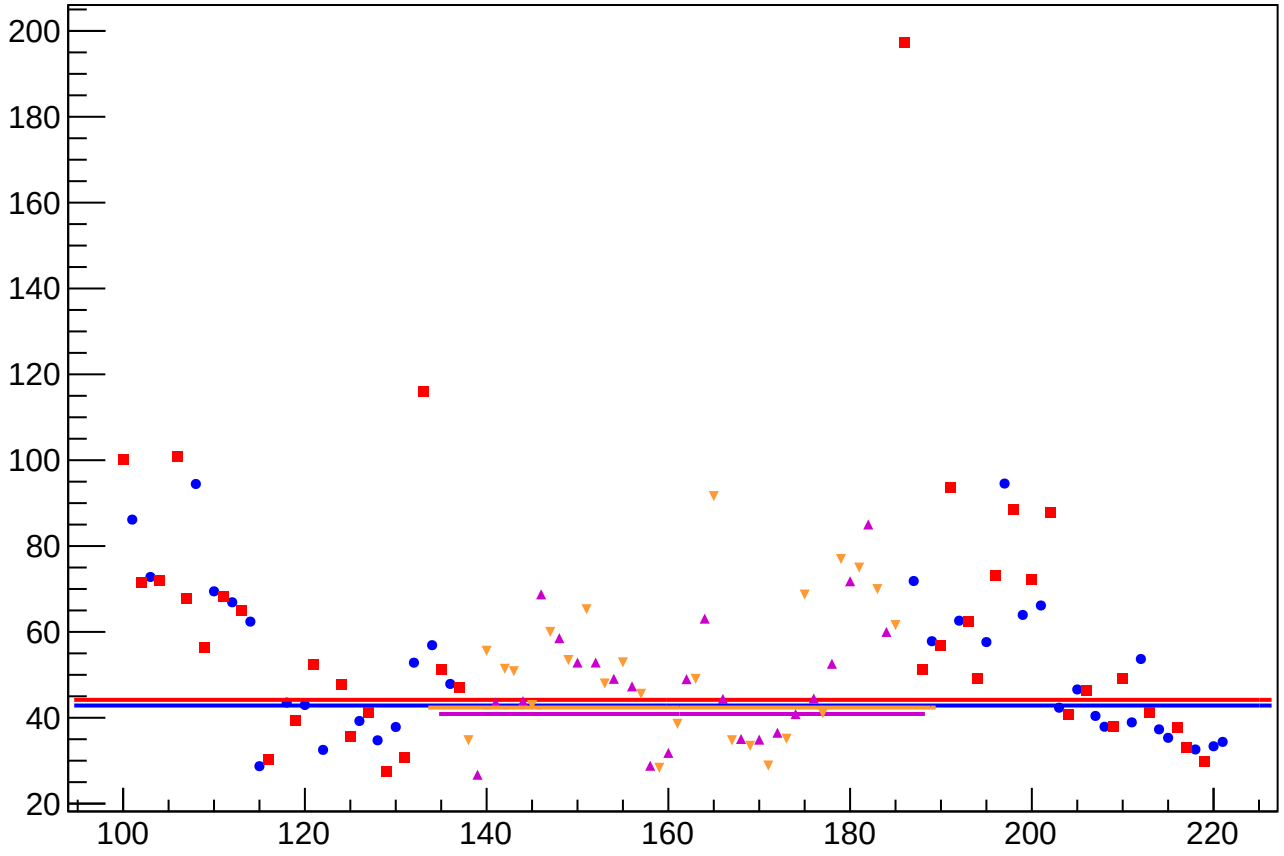
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.005+/-0.005 χ^2/NDF: 181.7/118

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.848+/-0.007 χ^2/NDF: 3202397.7/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

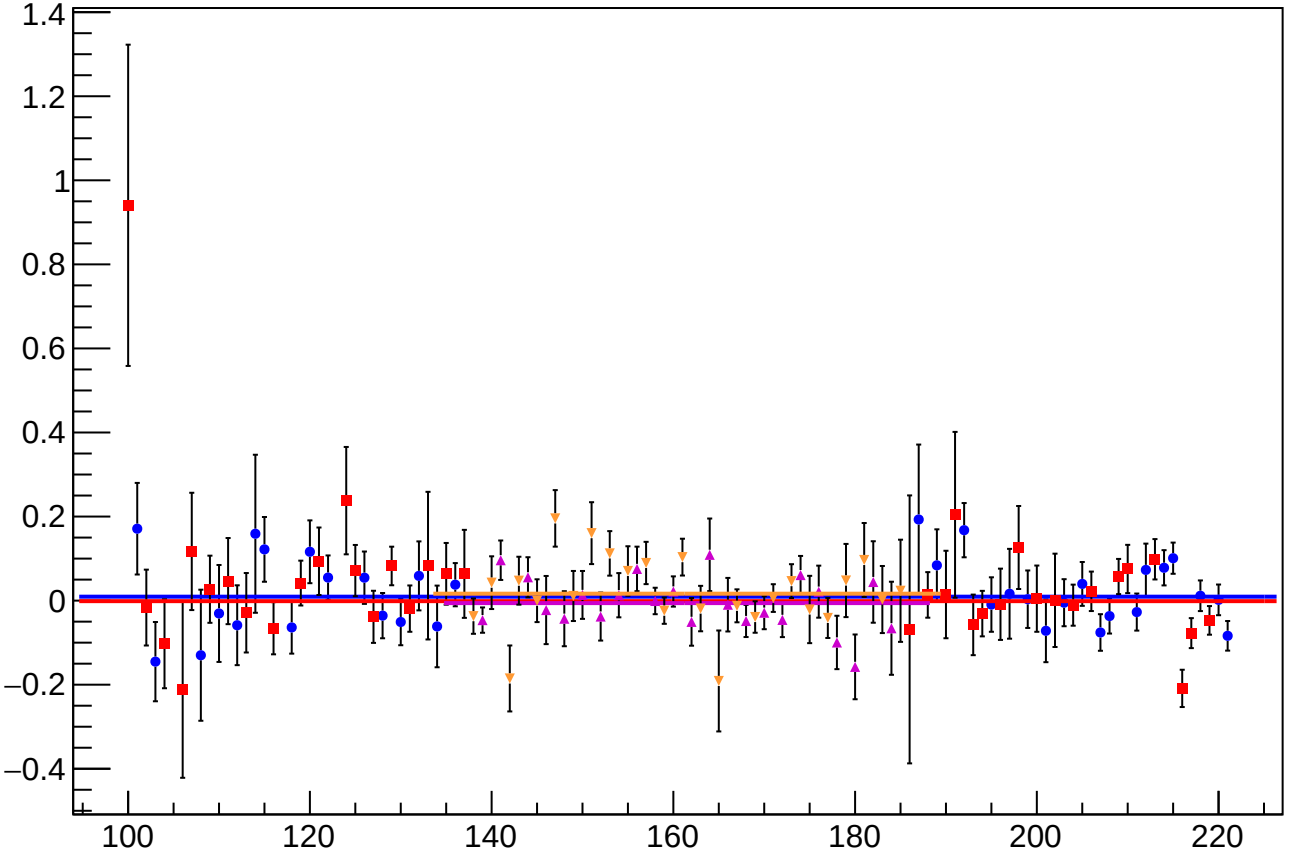
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395588.1/58

All: 42.555+/-0.004 χ^2/NDF: 13577851.1/118

- sign 42.483+/-0.005 χ^2/NDF: 7181892.1/59

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 49.0/33

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

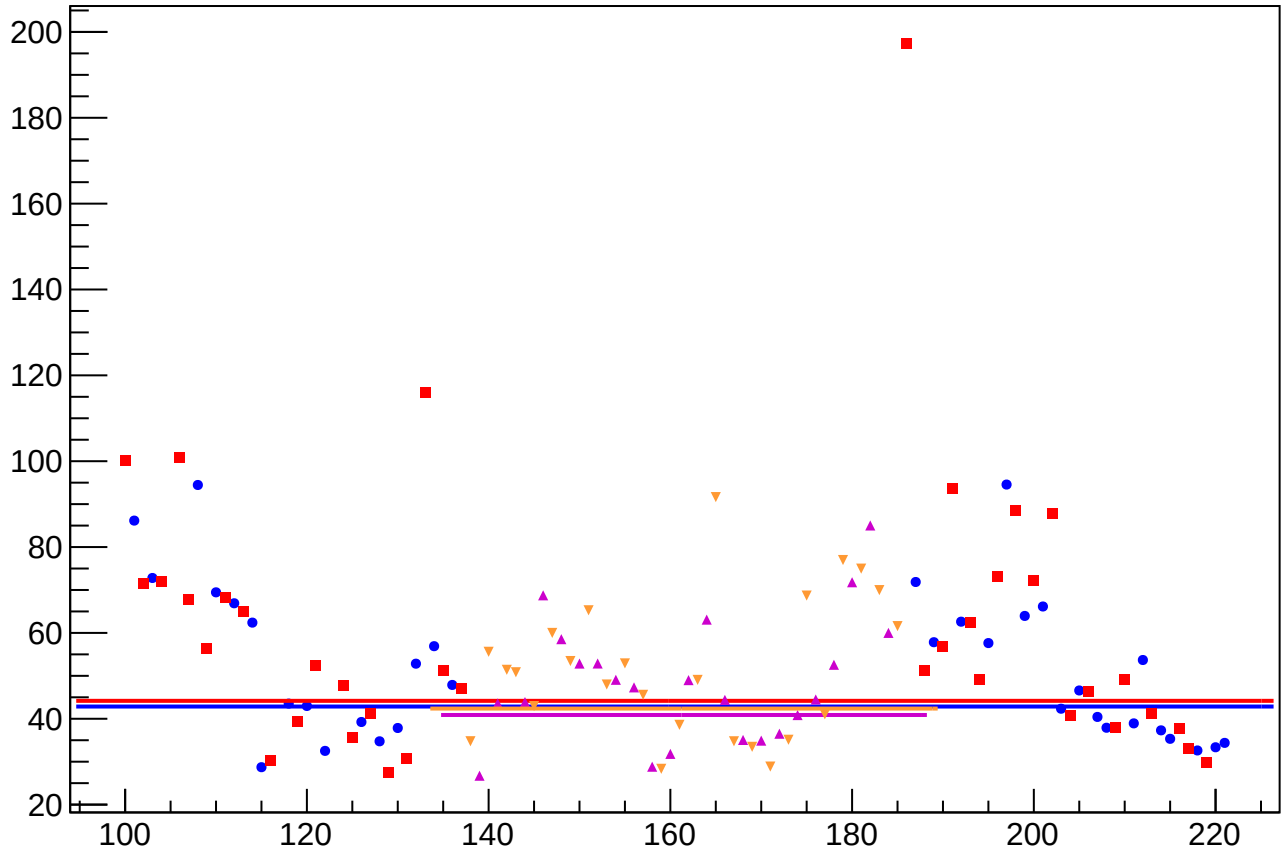
Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.013+/-0.007 χ^2/NDF: 90.3/58

All: 0.005+/-0.005 χ^2/NDF: 181.7/118

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59



Right In: 42.848+/-0.007 χ^2/NDF: 3202397.7/33

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

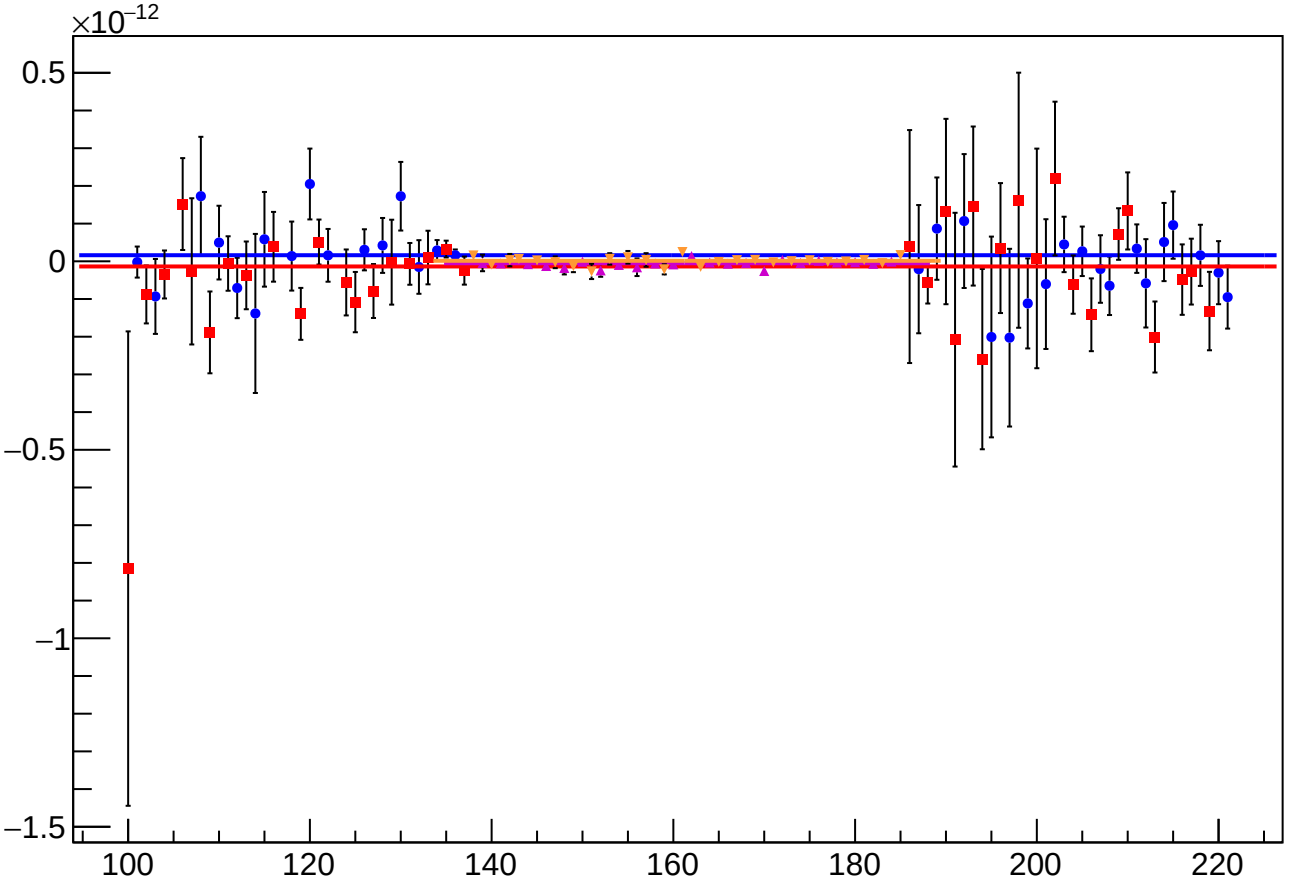
Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 42.623+/-0.005 χ^2/NDF: 6395588.1/58

All: 42.555+/-0.004 χ^2/NDF: 13577851.1/118

- sign 42.483+/-0.005 χ^2/NDF: 7181892.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

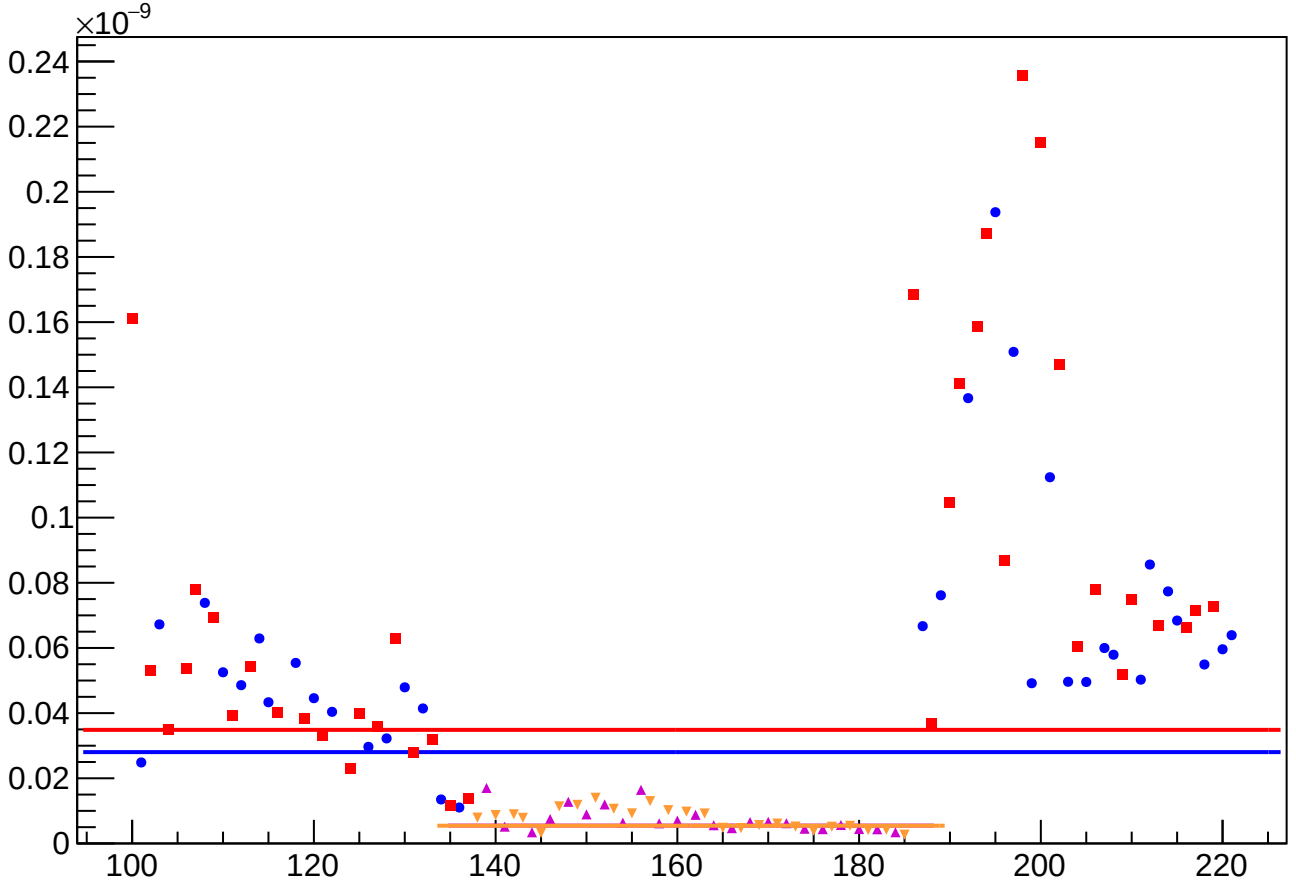
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/36

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/58

All: -0.000+/-0.000 χ^2/NDF: 98.9/118

- sign -0.000+/-0.000 χ^2/NDF: 48.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 10731806.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10251397.7/36

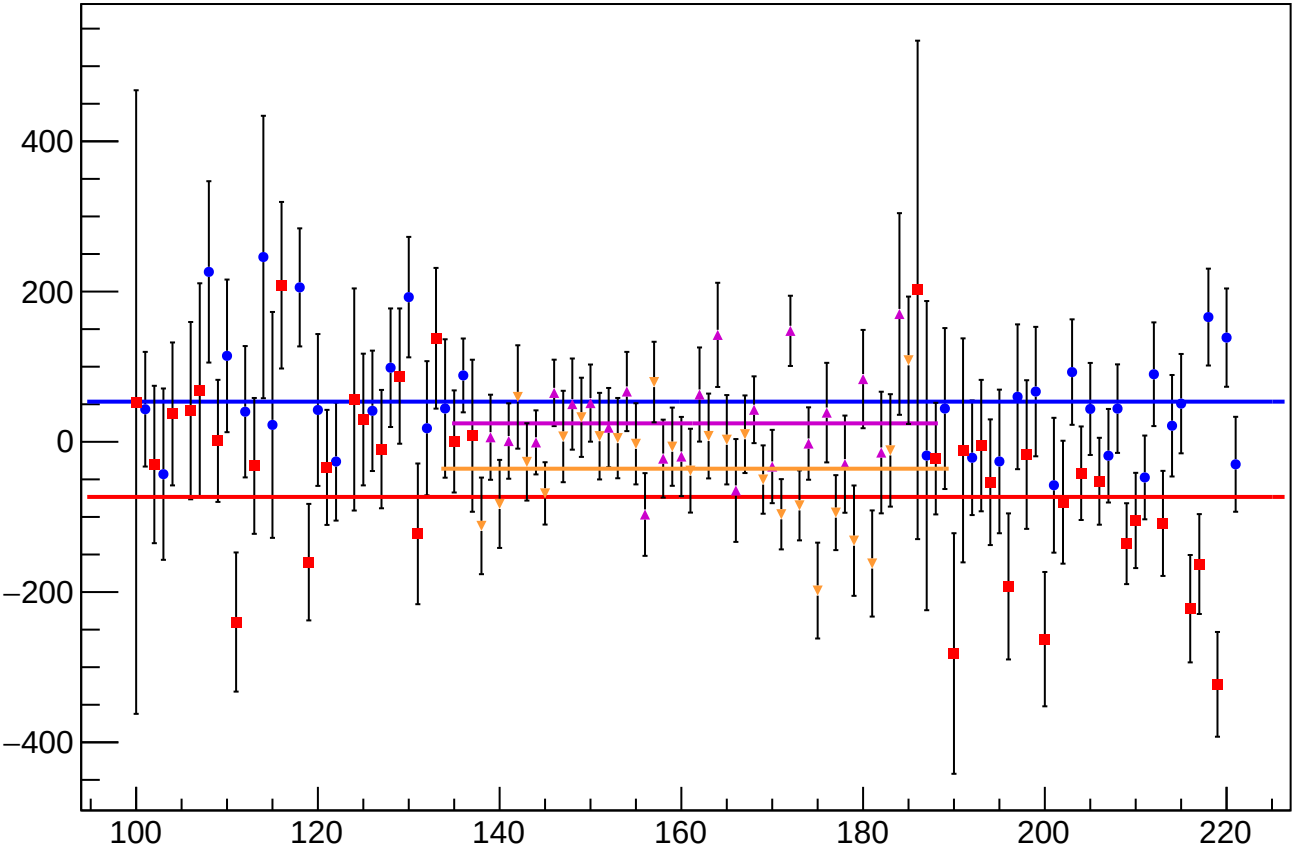
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24369224.7/58

All: 0.000+/-0.000 χ^2/NDF: 48986996.8/118

- sign 0.000+/-0.000 χ^2/NDF: 24617744.2/59

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 53.471+/-13.308 χ^2/NDF: 28.4/33

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -73.359+/-13.930 χ^2/NDF: 60.2/36

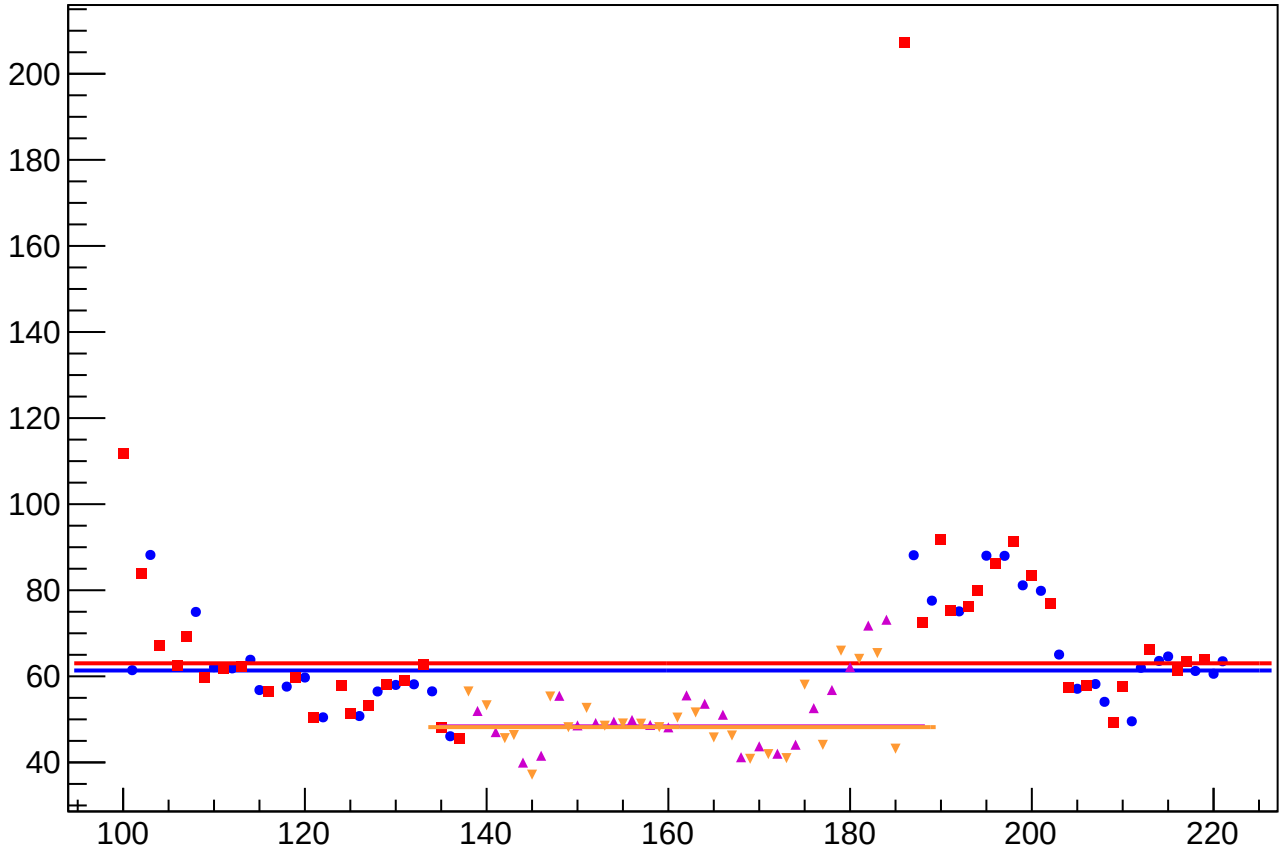
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign 0.909+/-8.533 χ^2/NDF: 88.6/58

All: -6.751+/-6.144 χ^2/NDF: 205.6/118

- sign -15.000+/-8.855 χ^2/NDF: 115.4/59

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.357+/-0.009 χ^2/NDF: 1223423.1/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

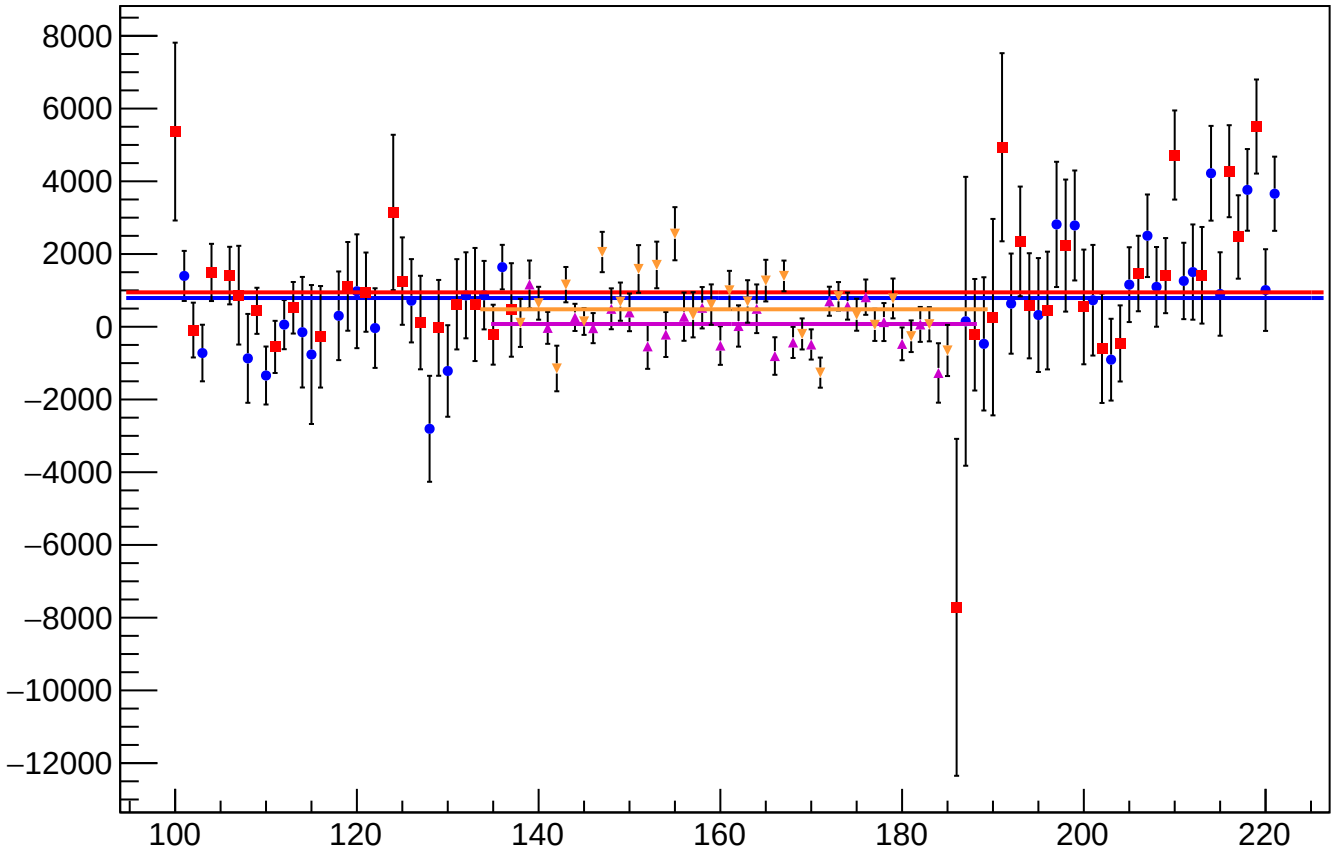
Right Out: 63.024+/-0.010 χ^2/NDF: 1654260.4/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.608+/-0.006 χ^2/NDF: 3155203.1/58

All: 53.940+/-0.004 χ^2/NDF: 6828100.3/118

- sign 54.298+/-0.006 χ^2/NDF: 3666607.8/59



Right In: 790.038+/-187.594 χ^2/NDF: 57.9/33

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 946.209+/-187.108 χ^2/NDF: 58.6/36

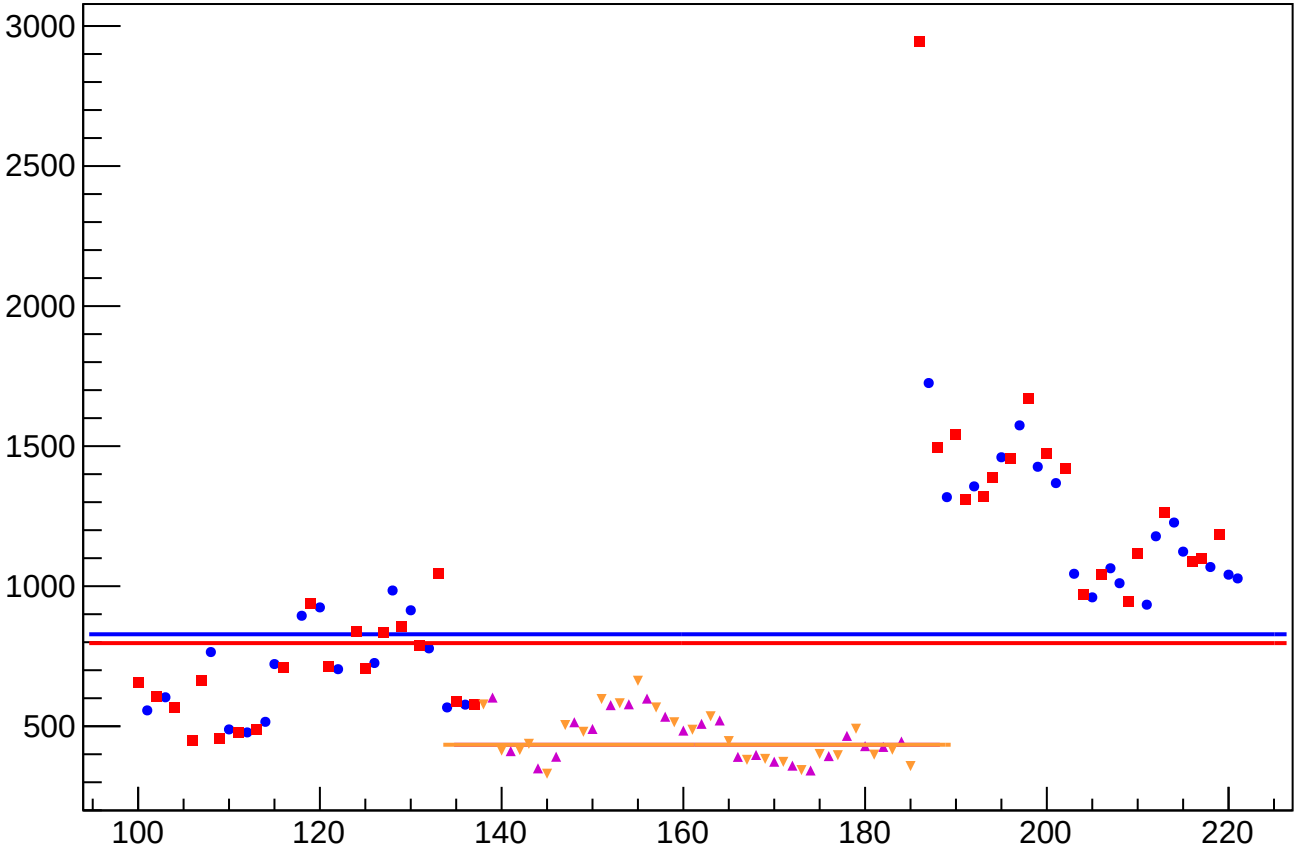
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 549.334+/-88.606 χ^2/NDF: 129.3/58

All: 416.510+/-63.250 χ^2/NDF: 233.6/118

- sign 278.503+/-90.318 χ^2/NDF: 99.7/59

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 828.342+/-0.133 χ^2/NDF: 4831511.9/33

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 796.771+/-0.132 χ^2/NDF: 6537990.6/36

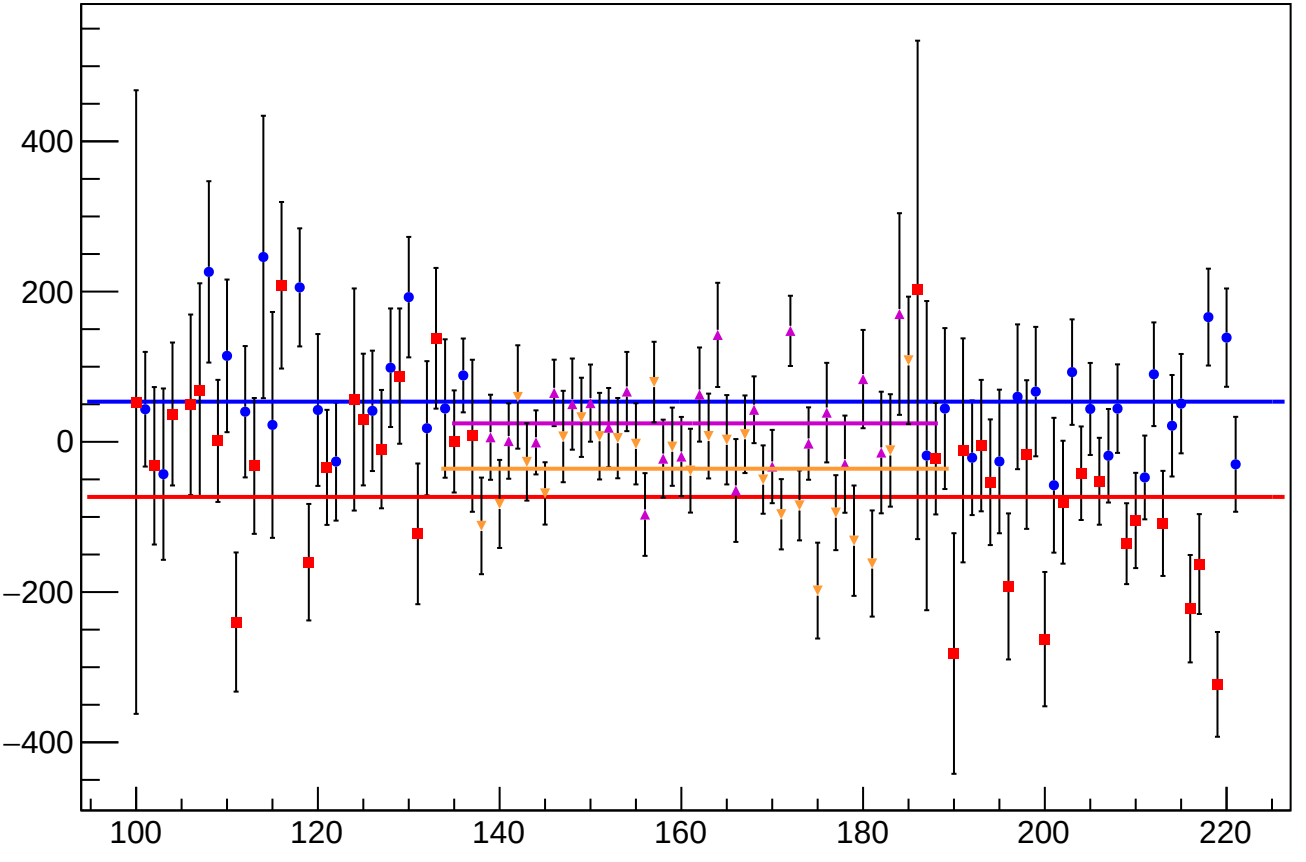
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 521.932+/-0.063 χ^2/NDF: 12943220.1/58

All: 520.158+/-0.045 χ^2/NDF: 26352850.9/11

- sign 518.314+/-0.064 χ^2/NDF: 13407994.6/59

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 53.474+/-13.308 χ^2/NDF: 28.4/33

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -73.343+/-13.934 χ^2/NDF: 60.3/36

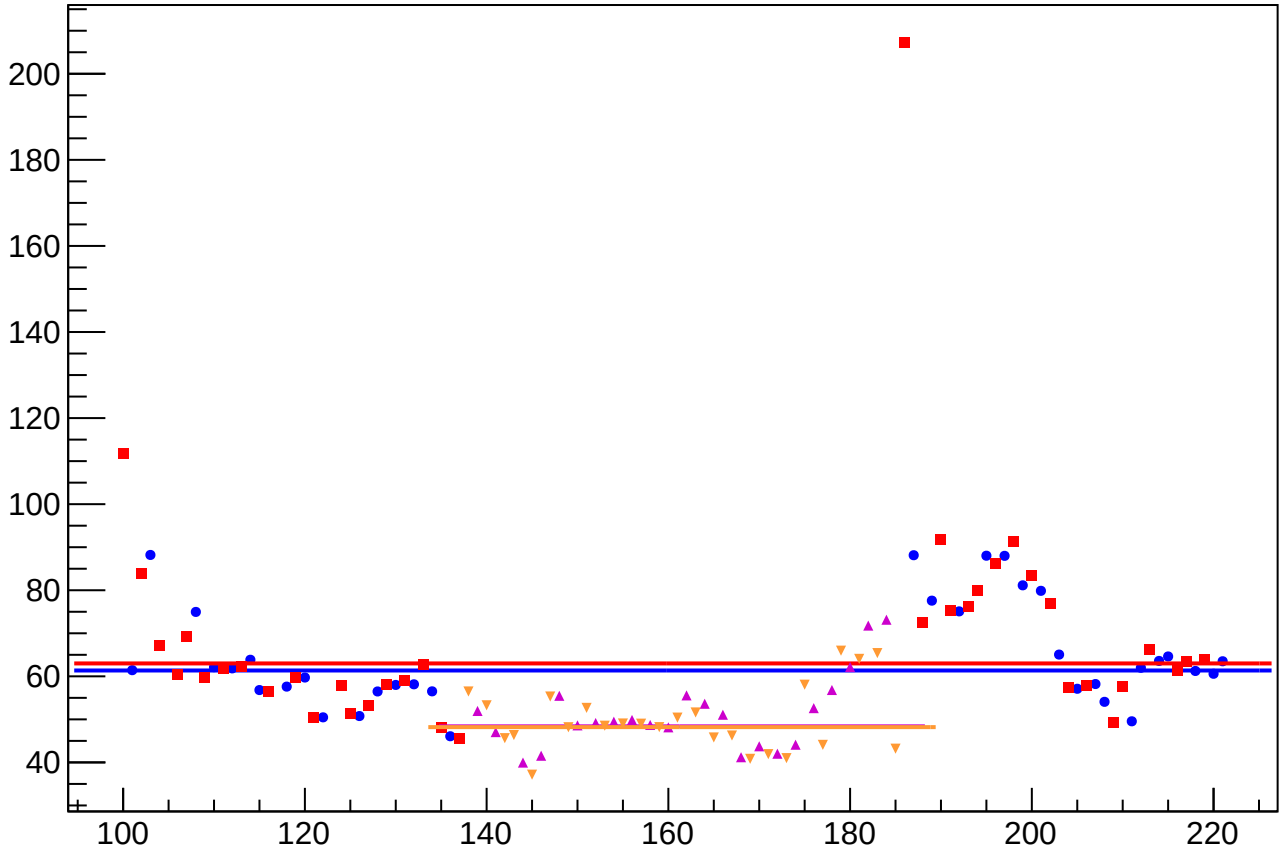
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign 0.907+/-8.533 χ^2/NDF: 88.6/58

All: -6.742+/-6.145 χ^2/NDF: 205.7/118

- sign -14.981+/-8.856 χ^2/NDF: 115.4/59

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.357+/-0.009 χ^2/NDF: 1223426.5/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

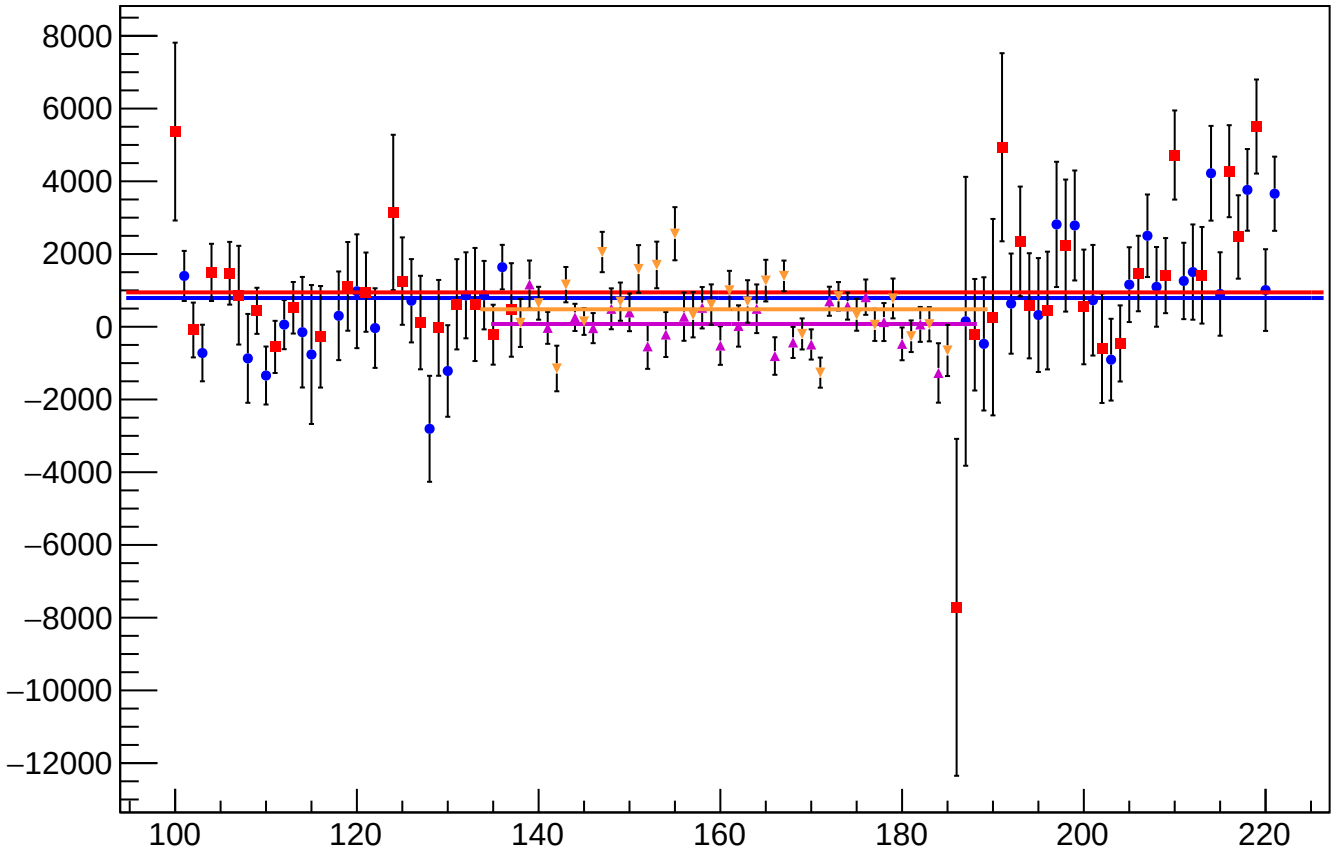
Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.608+/-0.006 χ^2/NDF: 3155207.0/58

All: 53.934+/-0.004 χ^2/NDF: 6823740.6/118

- sign 54.285+/-0.006 χ^2/NDF: 3662473.9/59



Right In: 790.065+/-187.594 χ^2/NDF: 57.9/33

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 945.335+/-187.949 χ^2/NDF: 58.7/36

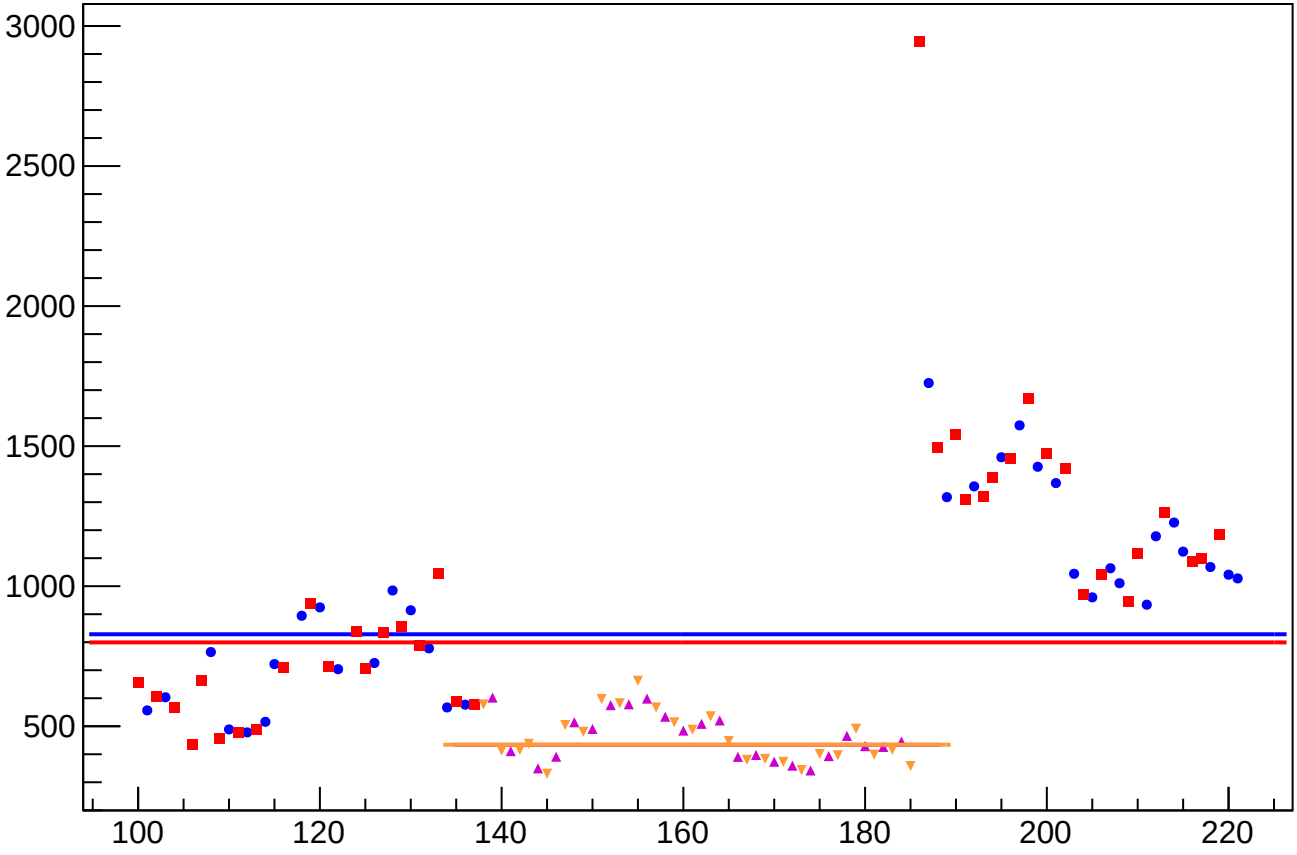
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 549.336+/-88.606 χ^2/NDF: 129.3/58

All: 415.872+/-63.283 χ^2/NDF: 233.5/118

- sign 276.911+/-90.412 χ^2/NDF: 99.6/59

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 828.347+/-0.133 χ^2/NDF: 4831419.8/33

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

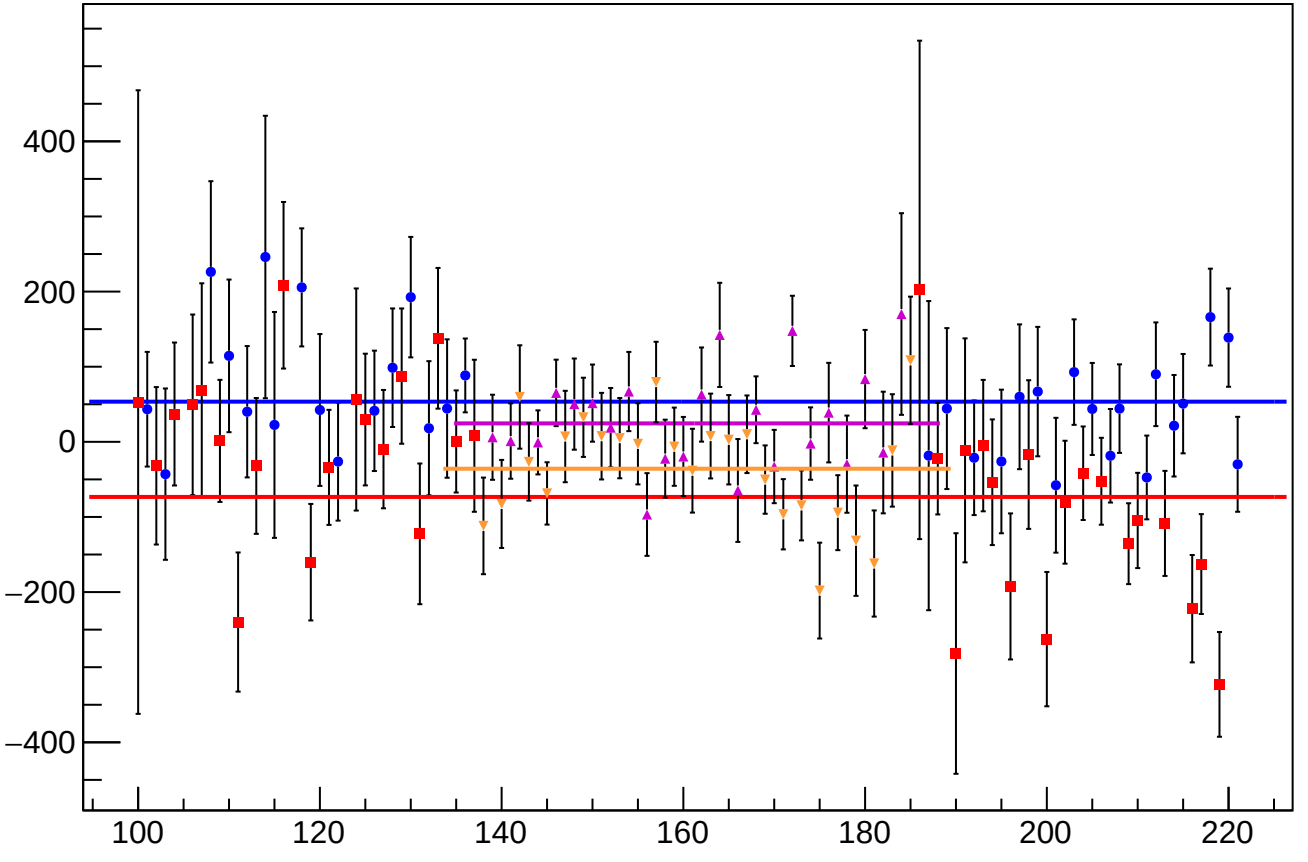
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 521.933+/-0.063 χ^2/NDF: 12943240.9/58

All: 520.162+/-0.045 χ^2/NDF: 26355972.4/11

- sign 518.318+/-0.064 χ^2/NDF: 13411100.9/59

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 53.474+/-13.308 χ^2/NDF: 28.4/33

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -73.343+/-13.934 χ^2/NDF: 60.3/36

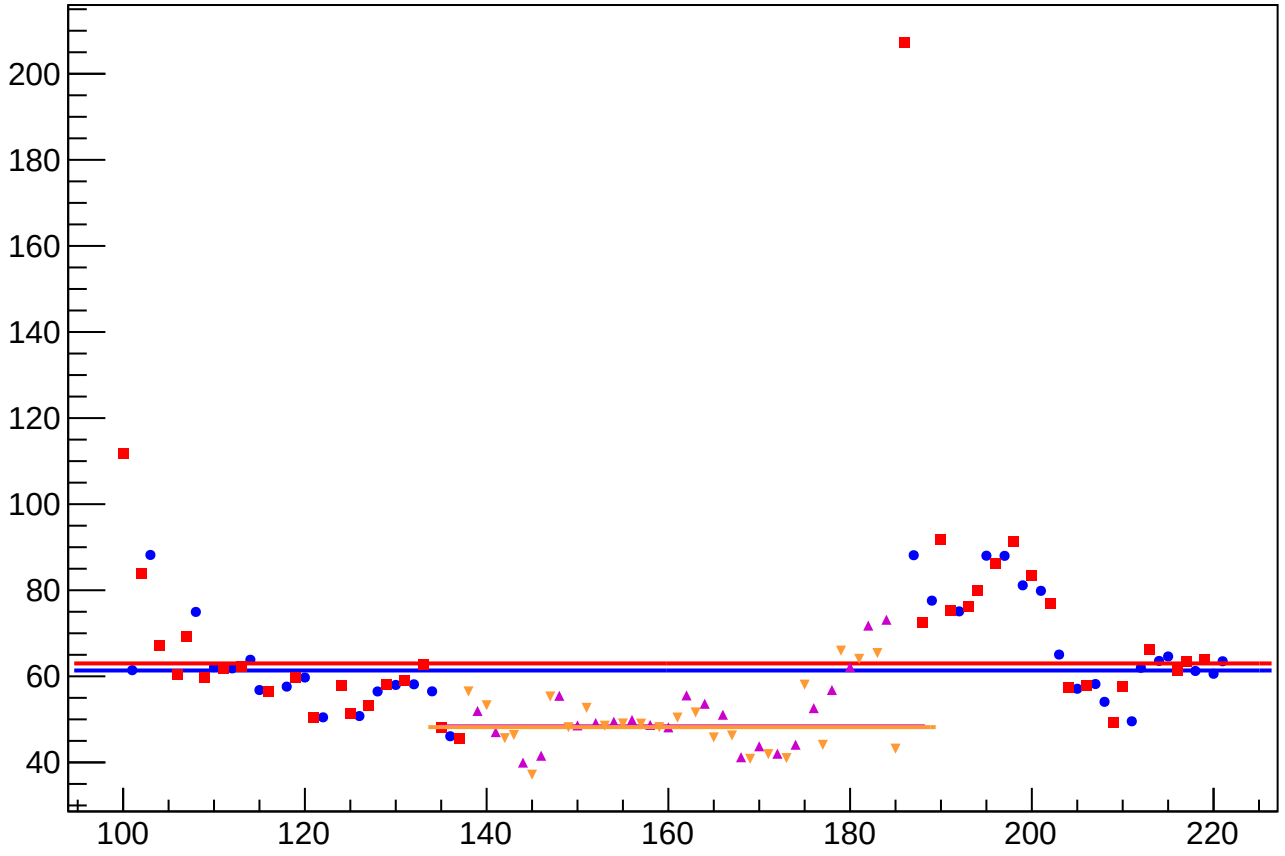
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign 0.907+/-8.533 χ^2/NDF: 88.6/58

All: -6.742+/-6.145 χ^2/NDF: 205.7/118

- sign -14.981+/-8.856 χ^2/NDF: 115.4/59

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.357+/-0.009 χ^2/NDF: 1223426.5/33

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

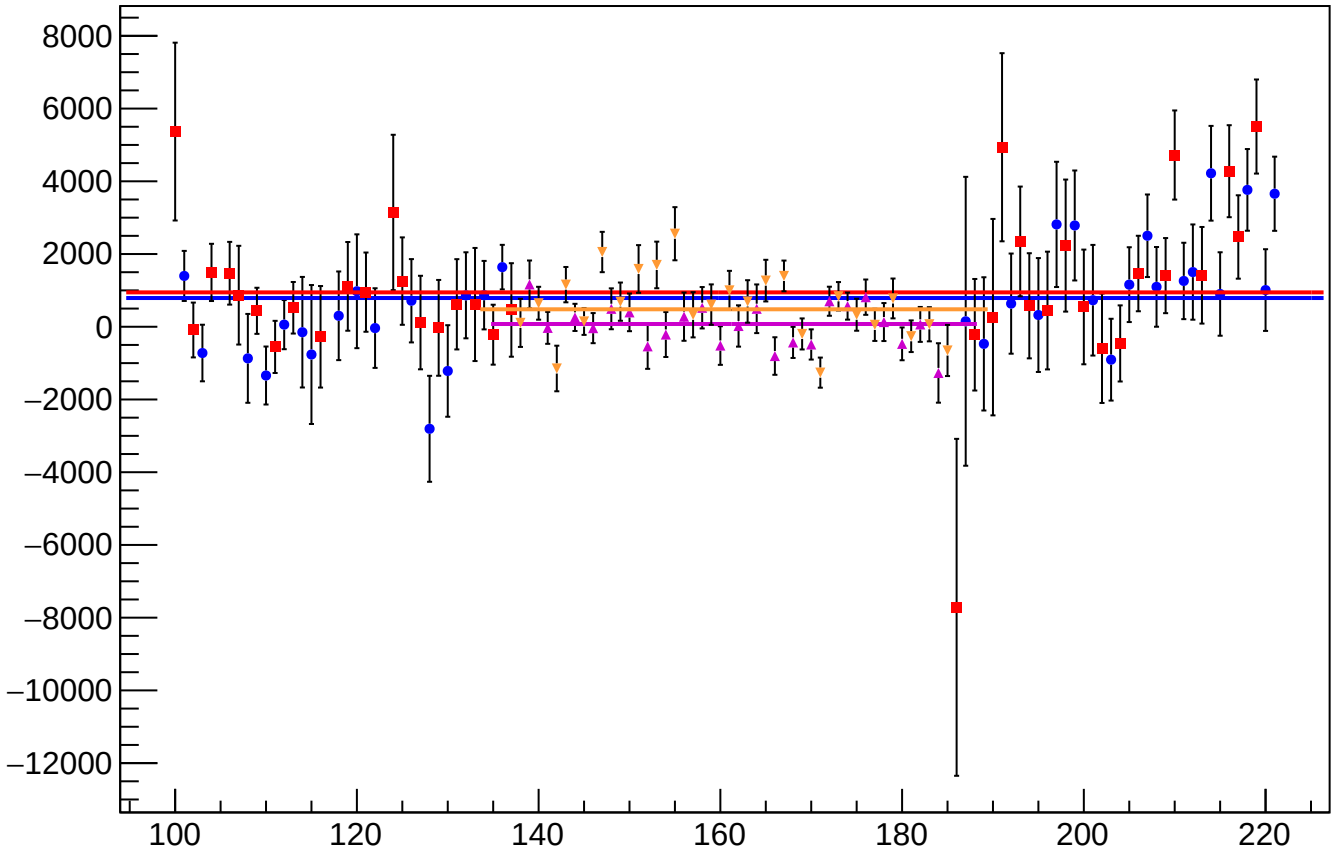
Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.608+/-0.006 χ^2/NDF: 3155207.0/58

All: 53.934+/-0.004 χ^2/NDF: 6823740.6/118

- sign 54.285+/-0.006 χ^2/NDF: 3662473.9/59



Right In: 790.065+/-187.594 χ^2/NDF: 57.9/33

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 945.335+/-187.949 χ^2/NDF: 58.7/36

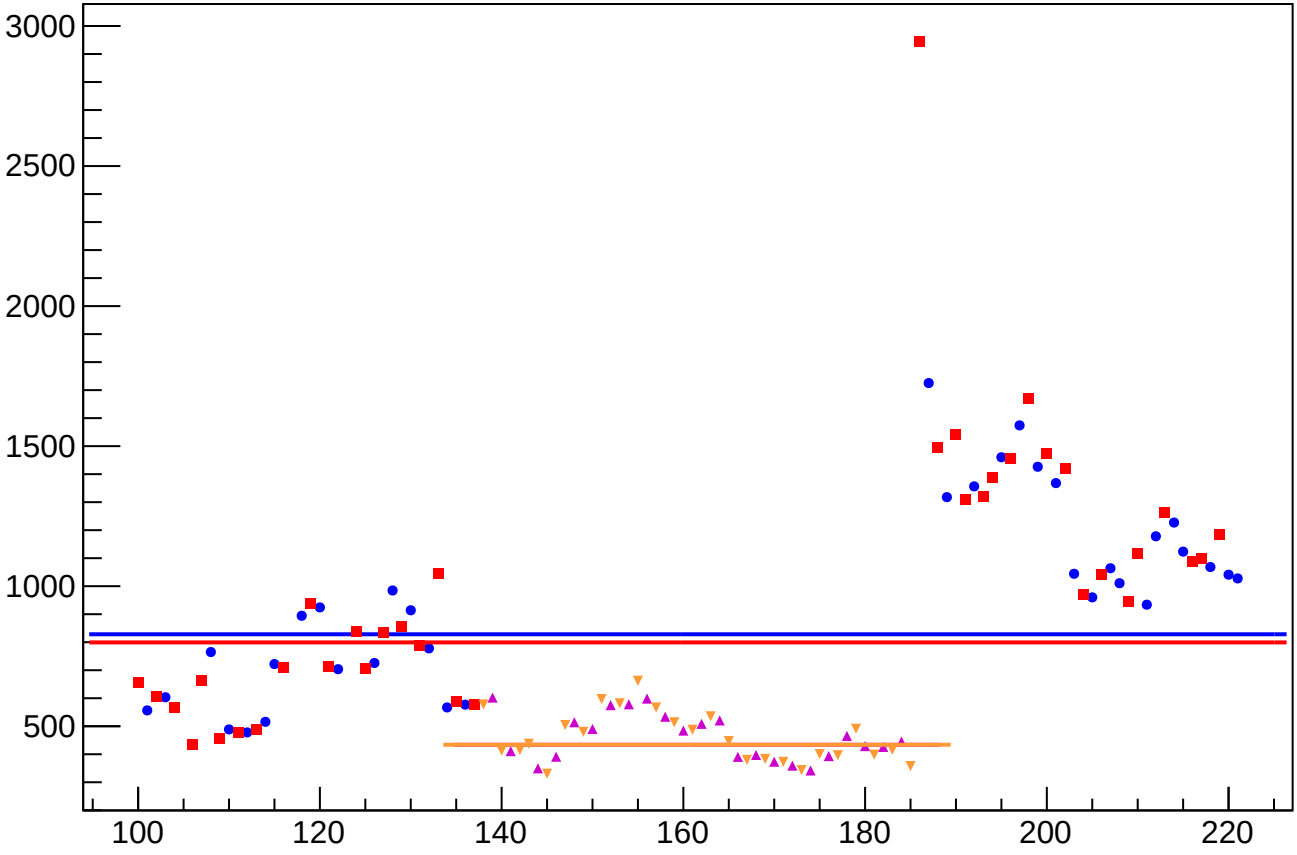
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 549.336+/-88.606 χ^2/NDF: 129.3/58

All: 415.872+/-63.283 χ^2/NDF: 233.5/118

- sign 276.911+/-90.412 χ^2/NDF: 99.6/59

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 828.347+/-0.133 χ^2/NDF: 4831419.8/33

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

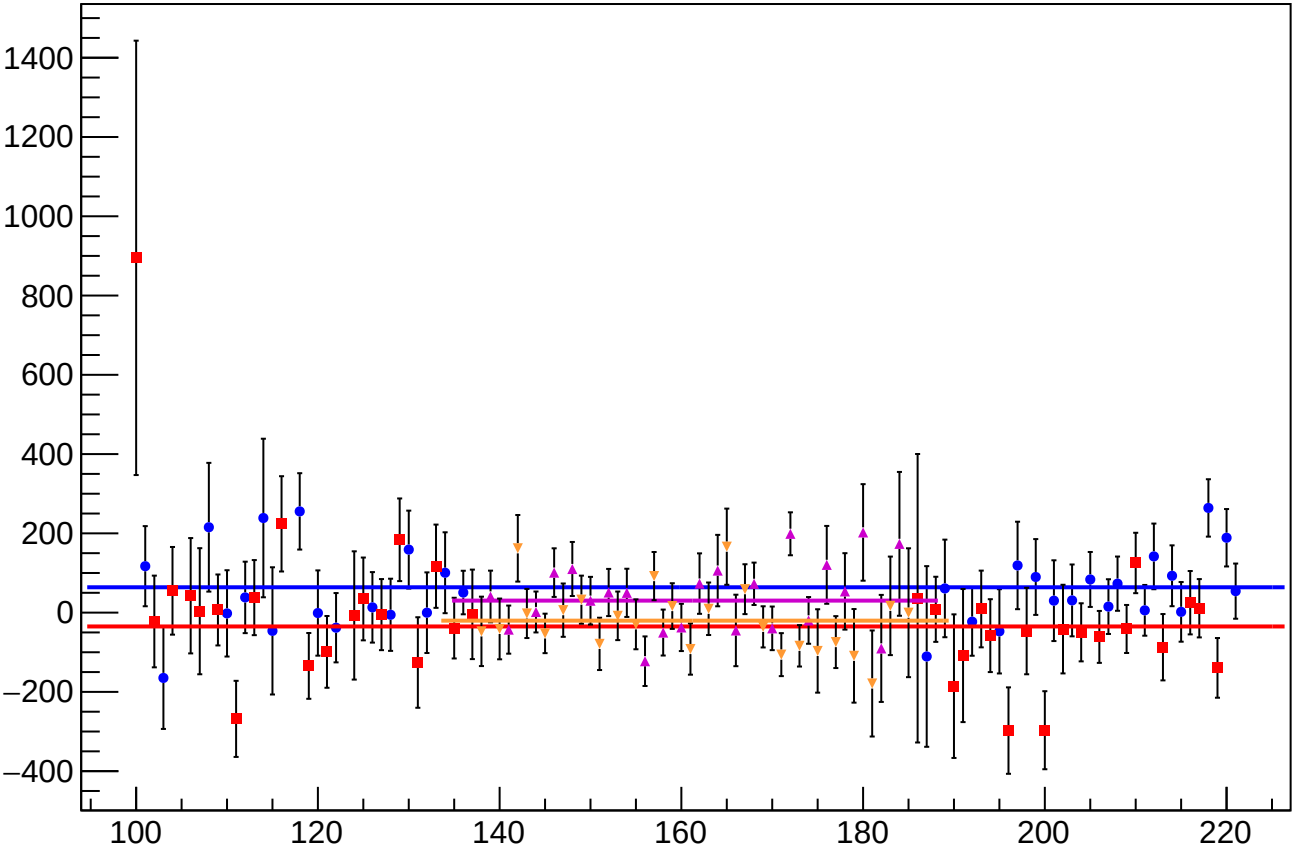
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 521.933+/-0.063 χ^2/NDF: 12943240.9/58

All: 520.162+/-0.045 χ^2/NDF: 26355972.4/11

- sign 518.318+/-0.064 χ^2/NDF: 13411100.9/59

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 63.956+/-15.178 χ^2/NDF: 31.1/33

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -34.907+/-15.787 χ^2/NDF: 47.2/36

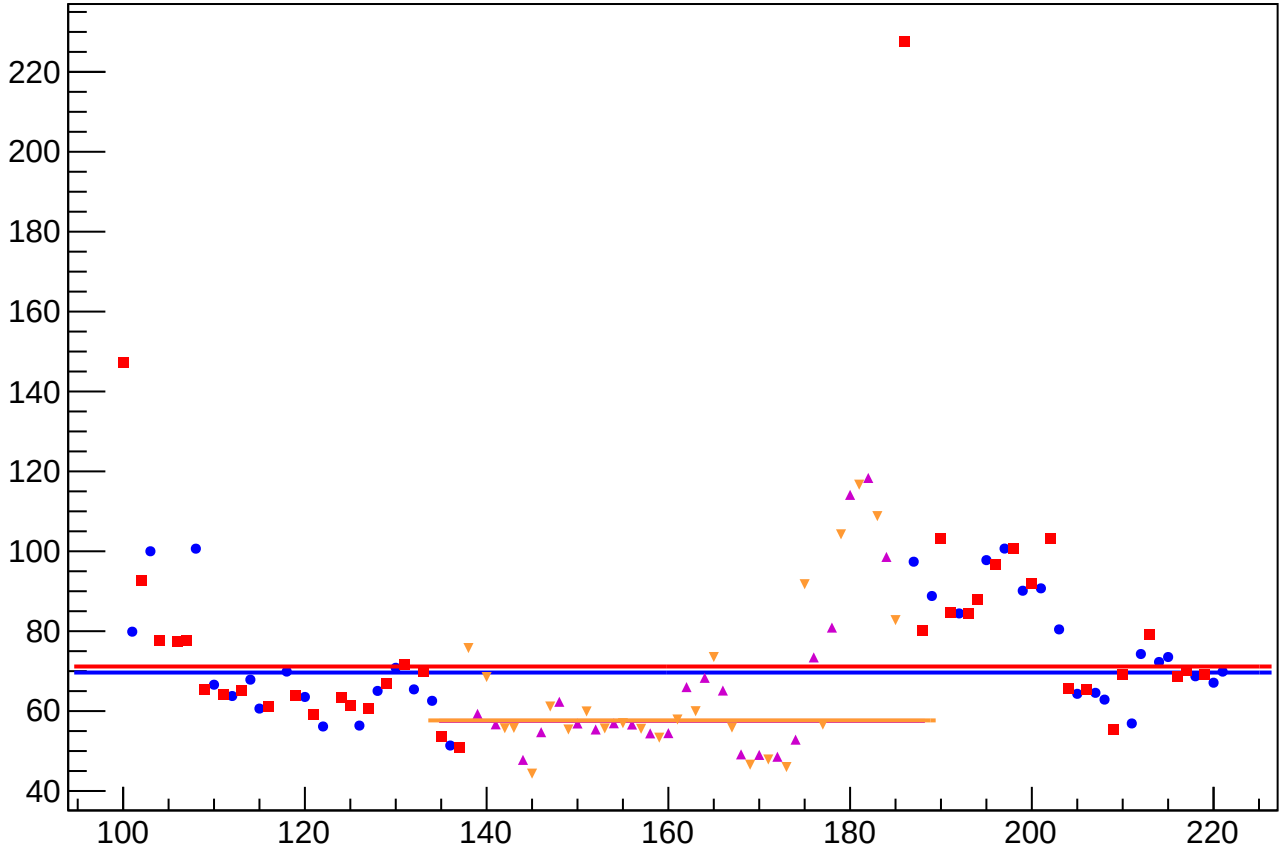
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 17.350+/-10.144 χ^2/NDF: 73.3/58

All: 9.747+/-7.284 χ^2/NDF: 163.8/118

- sign 1.654+/-10.466 χ^2/NDF: 89.4/59

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.649+/-0.011 χ^2/NDF: 1339278.7/33

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

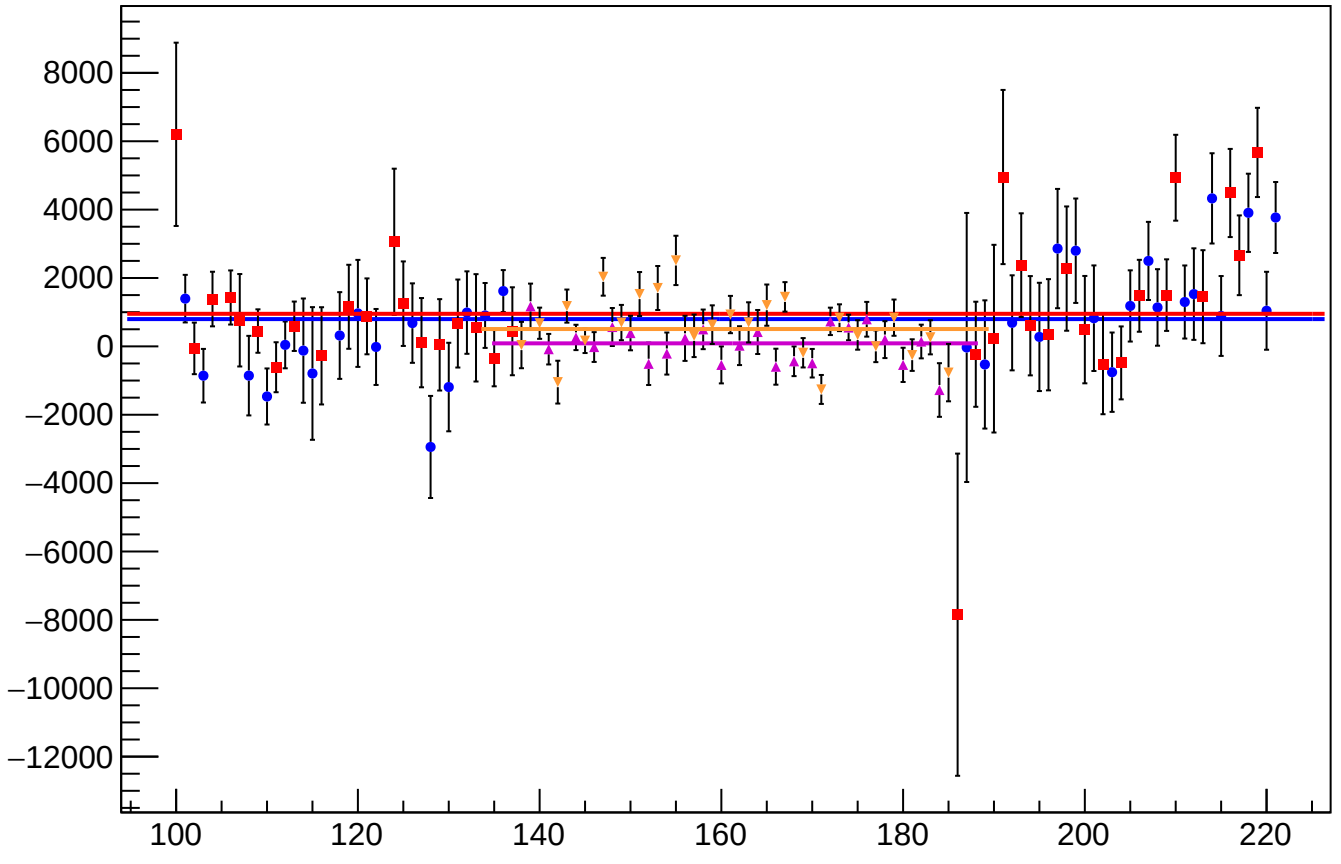
Right Out: 71.161+/-0.011 χ^2/NDF: 1702199.9/36

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 63.019+/-0.007 χ^2/NDF: 3938589.4/58

All: 63.265+/-0.005 χ^2/NDF: 7921044.6/118

- sign 63.526+/-0.007 χ^2/NDF: 3980043.6/59



Right In: 797.729+/-190.014 χ^2/NDF: 59.6/33

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 952.611+/-189.101 χ^2/NDF: 61.8/36

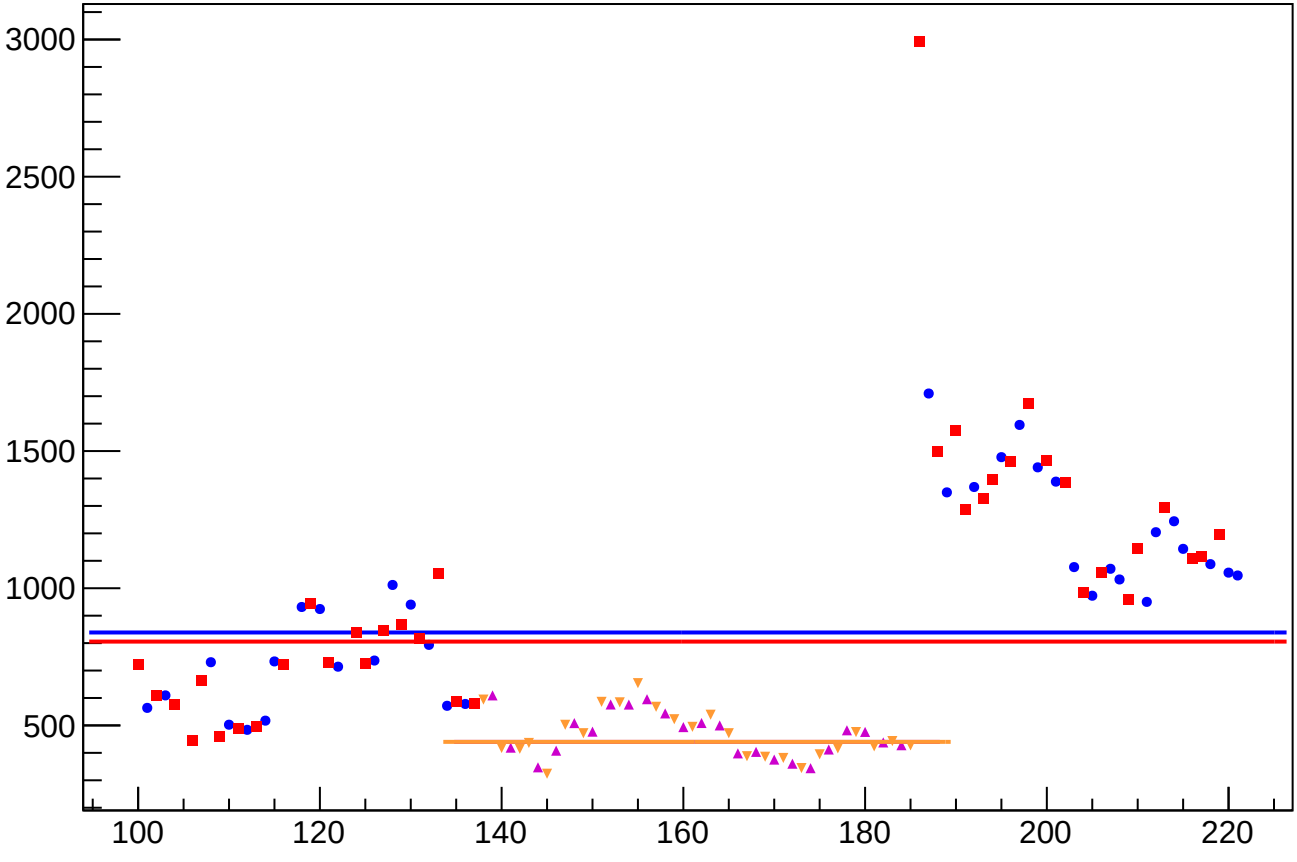
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 571.946+/-89.717 χ^2/NDF: 127.2/58

All: 434.102+/-64.058 χ^2/NDF: 233.1/118

- sign 290.753+/-91.491 χ^2/NDF: 101.1/59

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 838.759+/-0.134 χ^2/NDF: 4893082.0/33

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522212.3/36

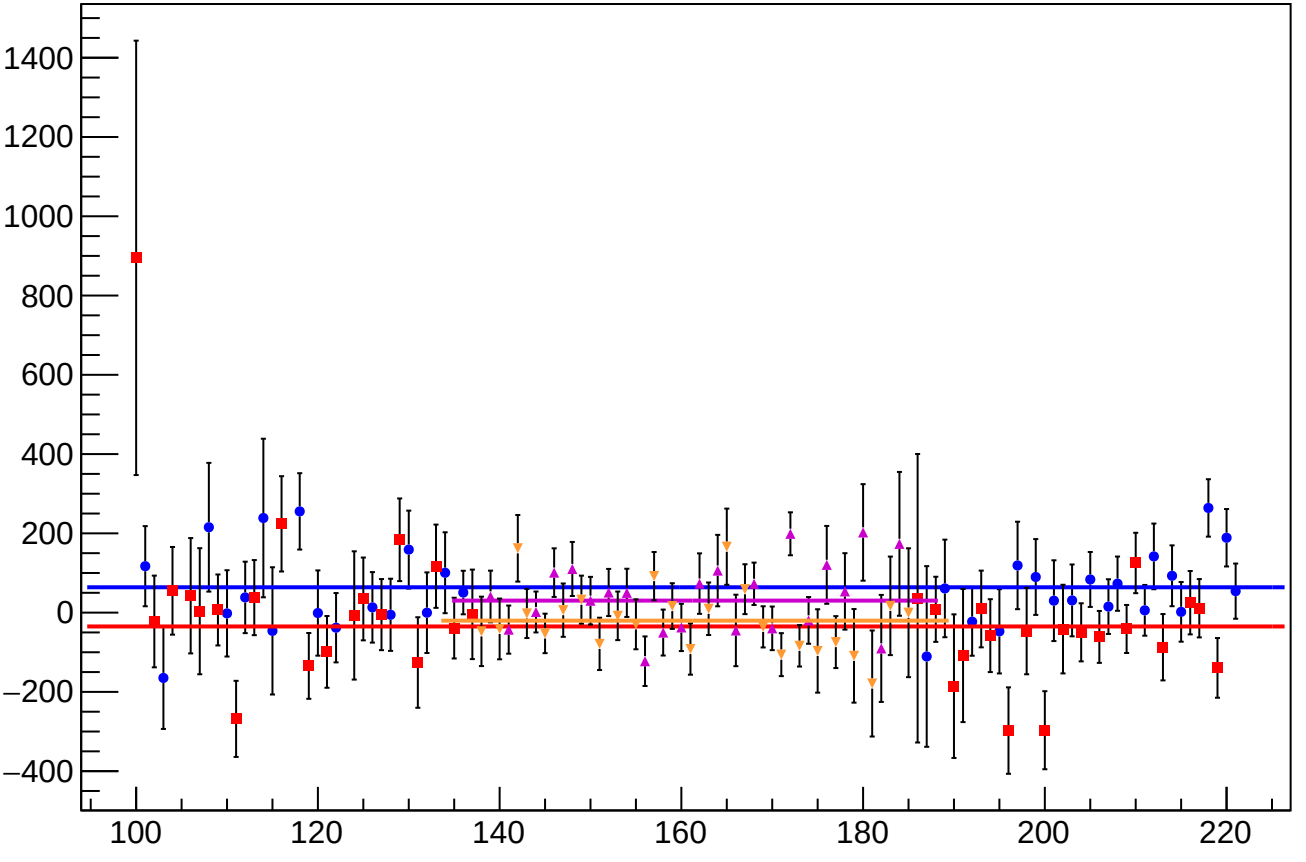
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 528.956+/-0.063 χ^2/NDF: 12931894.4/58

All: 527.248+/-0.045 χ^2/NDF: 26245168.6/11

- sign 525.472+/-0.065 χ^2/NDF: 13311796.1/59

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 63.954+/-15.178 χ^2/NDF: 31.1/33

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -34.909+/-15.787 χ^2/NDF: 47.2/36

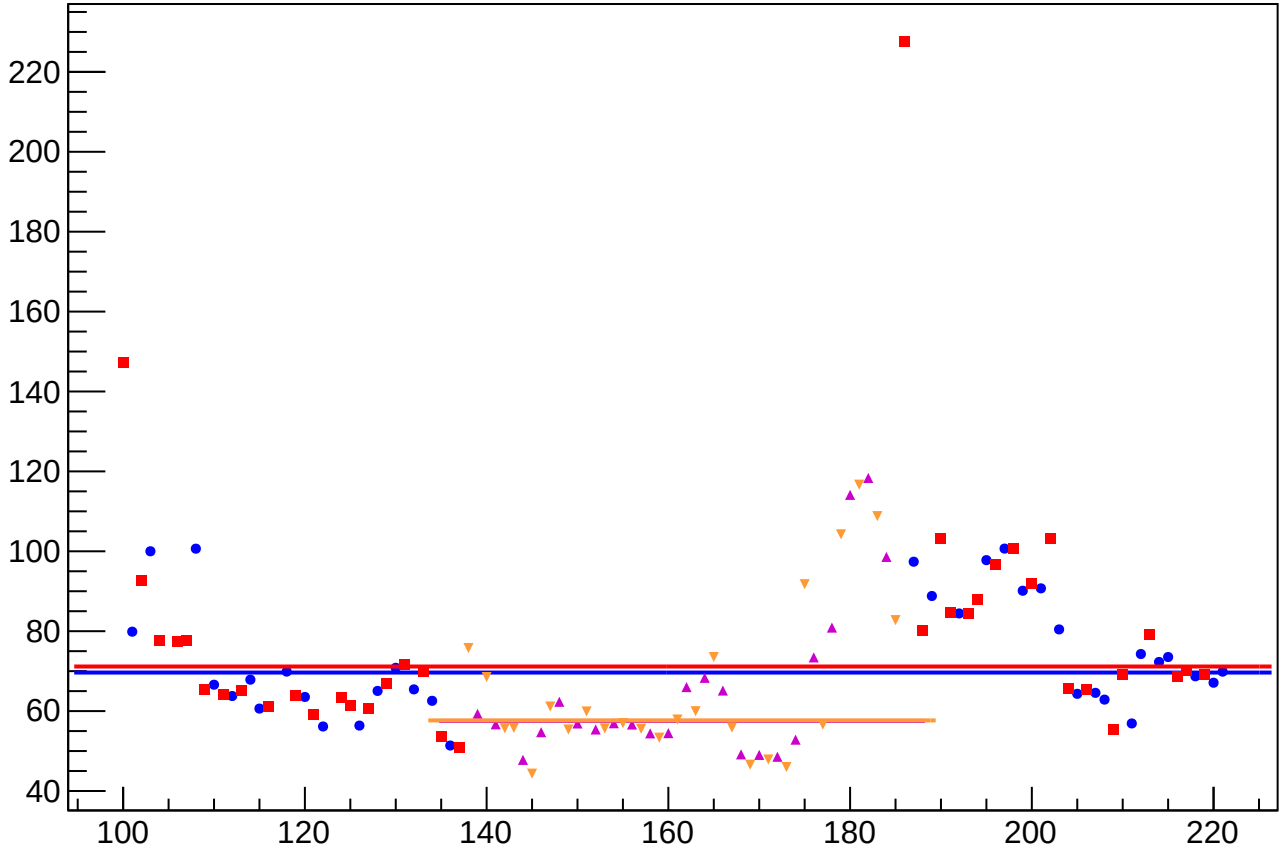
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 17.348+/-10.144 χ^2/NDF: 73.3/58

All: 9.746+/-7.284 χ^2/NDF: 163.8/118

- sign 1.653+/-10.466 χ^2/NDF: 89.4/59

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.649+/-0.011 χ^2/NDF: 1339252.3/33

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

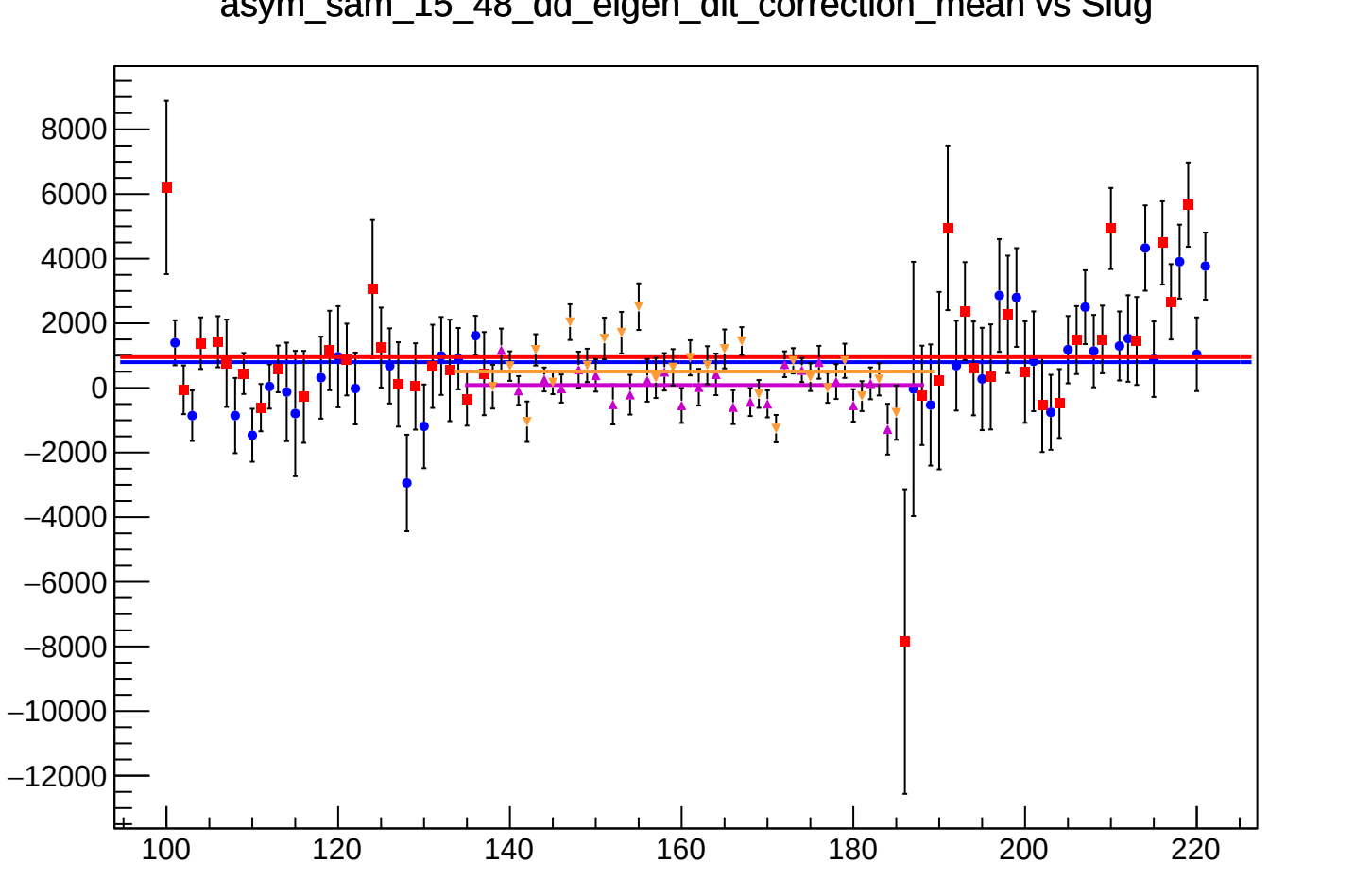
Right Out: 71.161+/-0.011 χ^2/NDF: 1702204.4/36

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 63.019+/-0.007 χ^2/NDF: 3938537.3/58

All: 63.265+/-0.005 χ^2/NDF: 7920968.7/118

- sign 63.526+/-0.007 χ^2/NDF: 3980020.1/59



Right In: 797.727+/-190.014 χ^2/NDF: 59.6/33

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

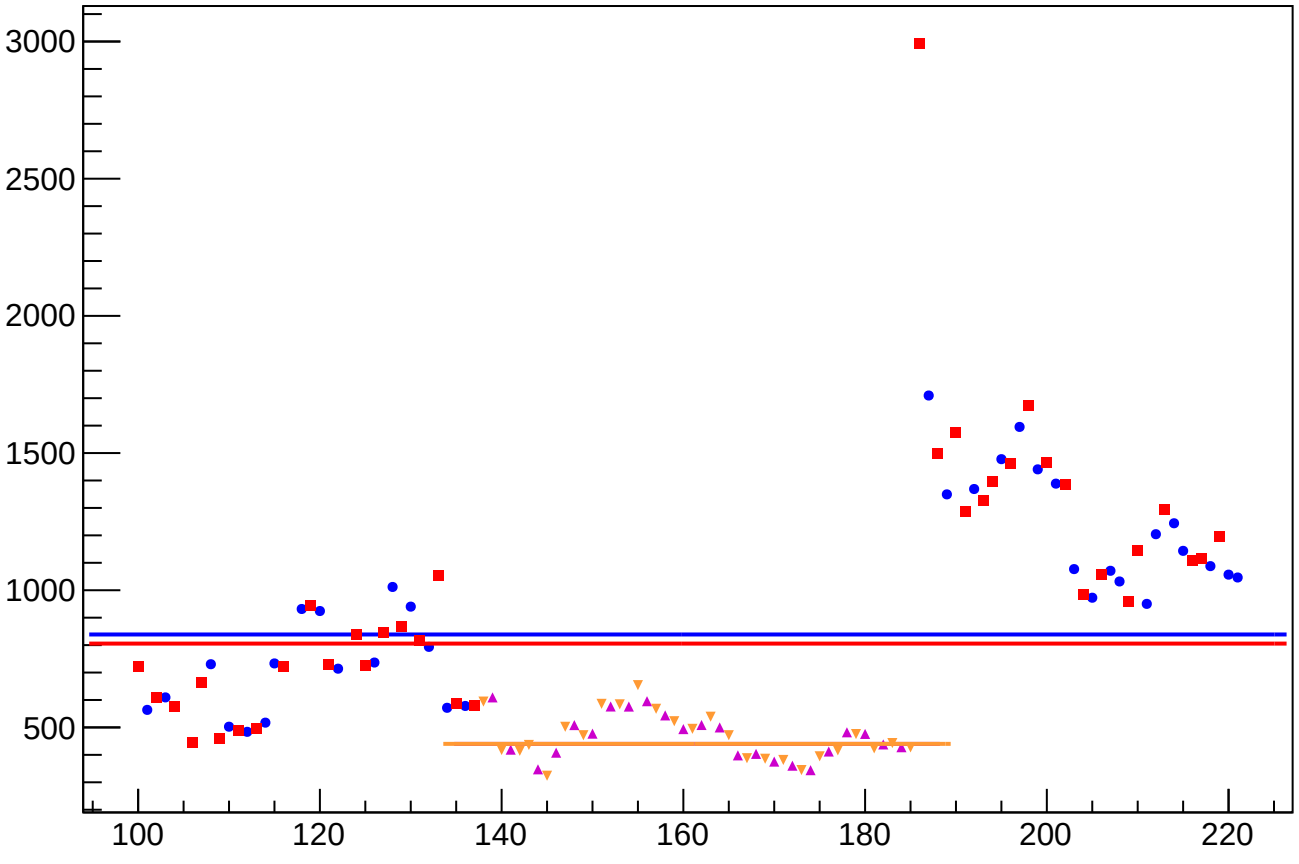
Right Out: 952.609+/-189.100 χ^2/NDF: 61.8/36

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 571.945+/-89.717 χ^2/NDF: 127.2/58

All: 434.101+/-64.057 χ^2/NDF: 233.1/118

- sign 290.752+/-91.491 χ^2/NDF: 101.1/59



Right In: 838.758+/-0.134 χ^2/NDF: 4893086.5/33

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522218.7/36

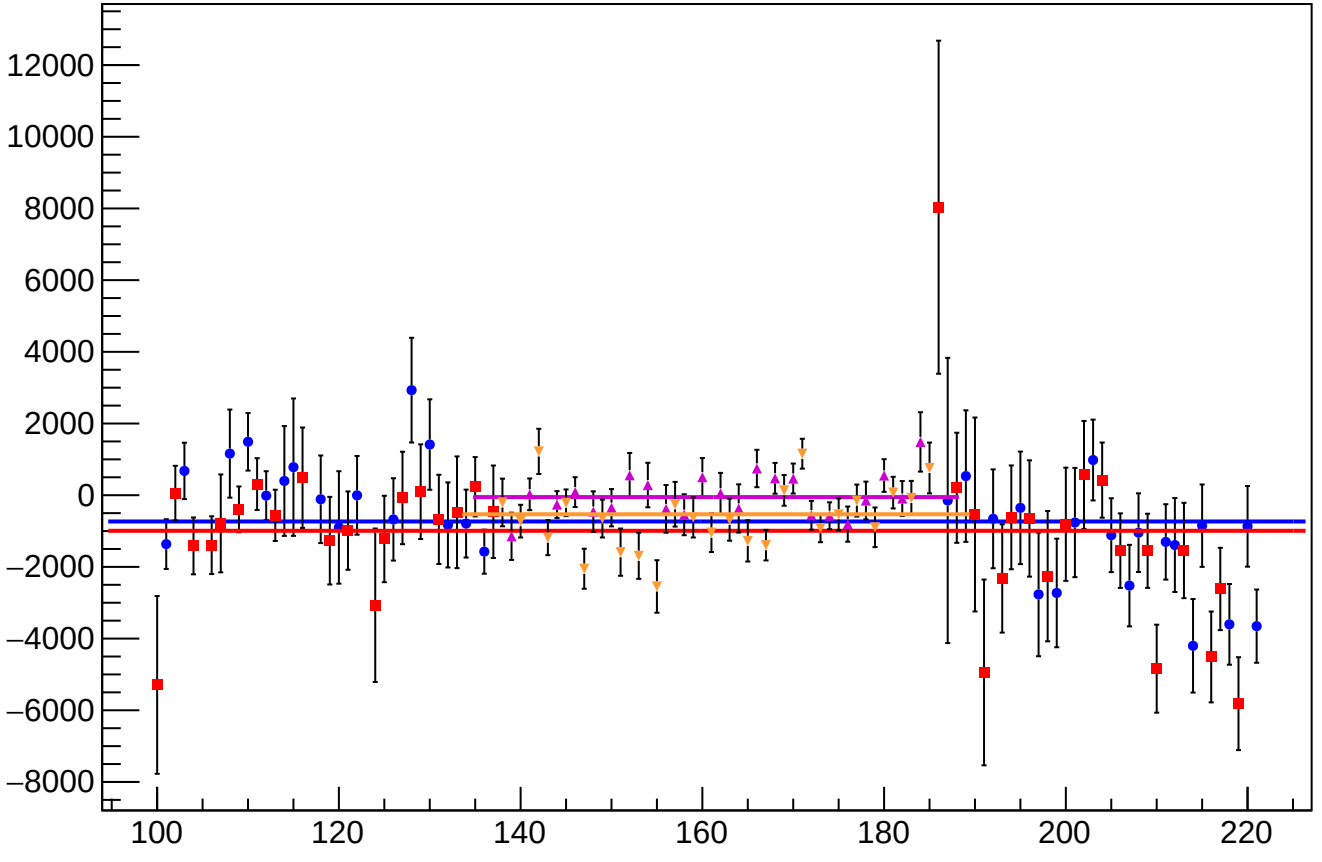
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 528.955+/-0.063 χ^2/NDF: 12931931.1/58

All: 527.247+/-0.045 χ^2/NDF: 26245244.8/11

- sign 525.471+/-0.065 χ^2/NDF: 13311835.5/59

asym_sam_15_48_dd_mean vs Slug



Right In: -732.797+/-188.364 χ^2/NDF: 59.1/33

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -992.484+/-188.123 χ^2/NDF: 61.0/36

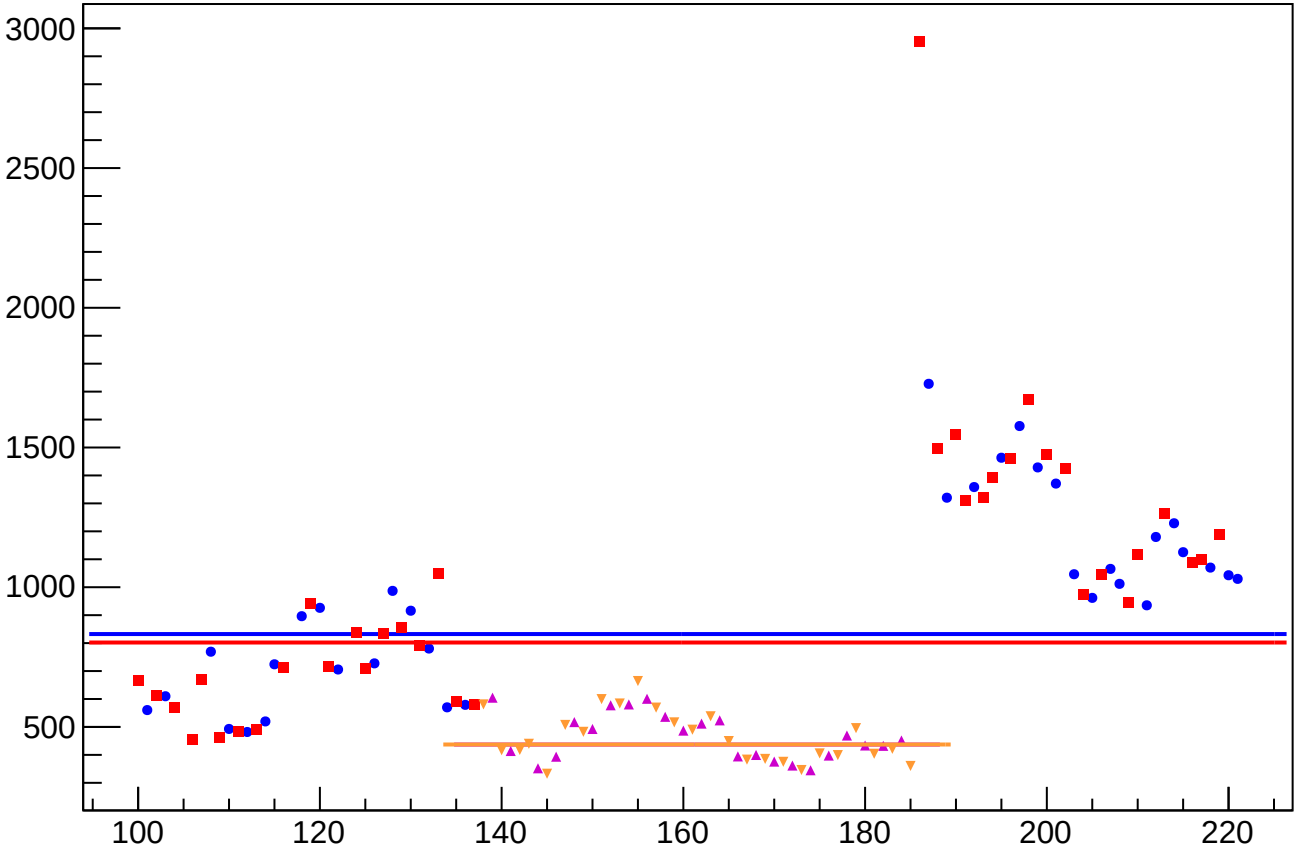
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -576.674+/-89.179 χ^2/NDF: 125.6/58

All: -427.373+/-63.669 χ^2/NDF: 235.5/118

- sign -272.152+/-90.930 χ^2/NDF: 104.2/59

asym_sam_15_48_dd_rms vs Slug



Right In: 832.402+/-0.133 χ^2/NDF: 4771363.8/33

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

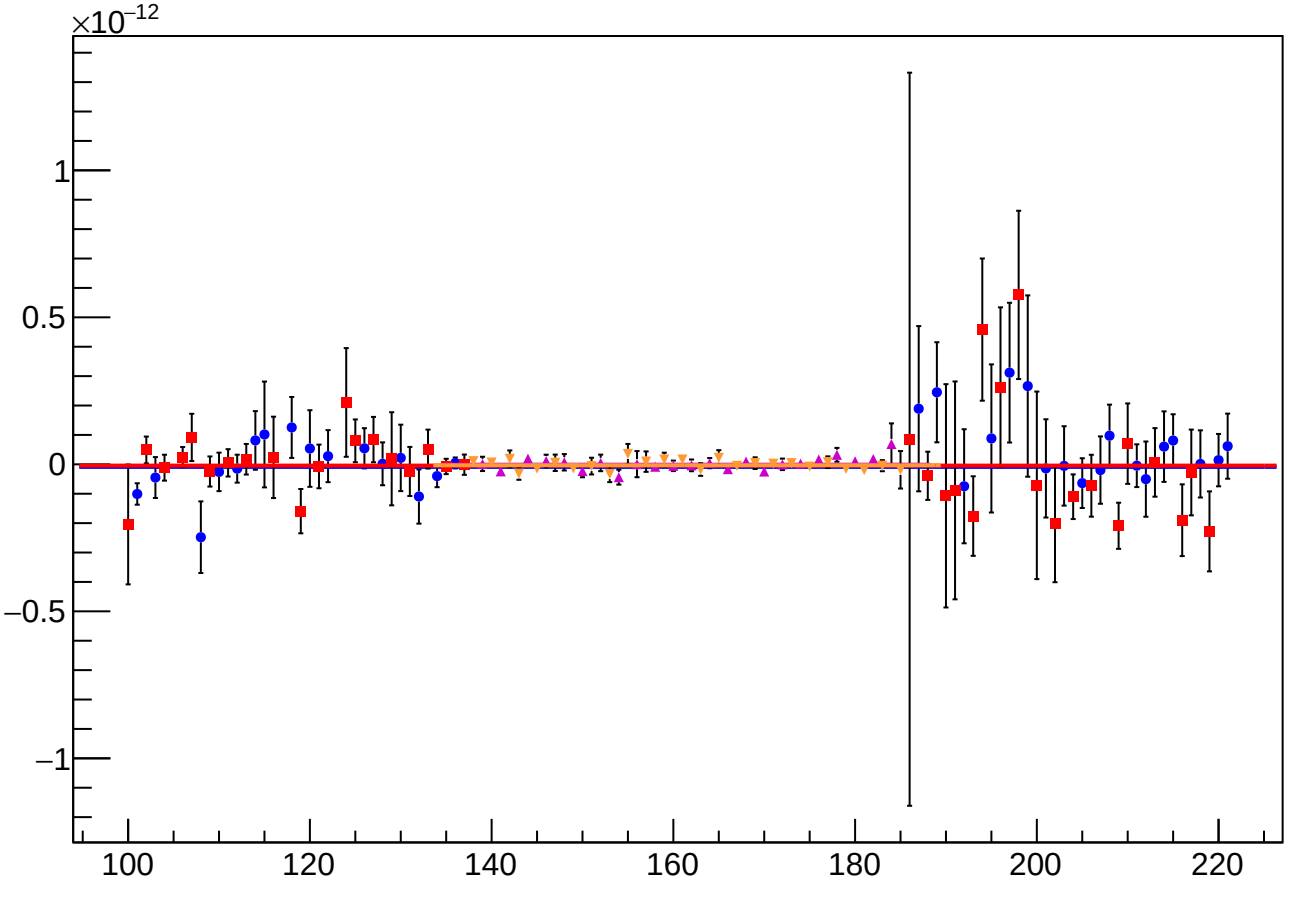
Right Out: 802.125+/-0.133 χ^2/NDF: 6443624.6/36

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 525.750+/-0.063 χ^2/NDF: 12830794.0/58

All: 524.037+/-0.045 χ^2/NDF: 26131803.5/11

- sign 522.257+/-0.064 χ^2/NDF: 13299505.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

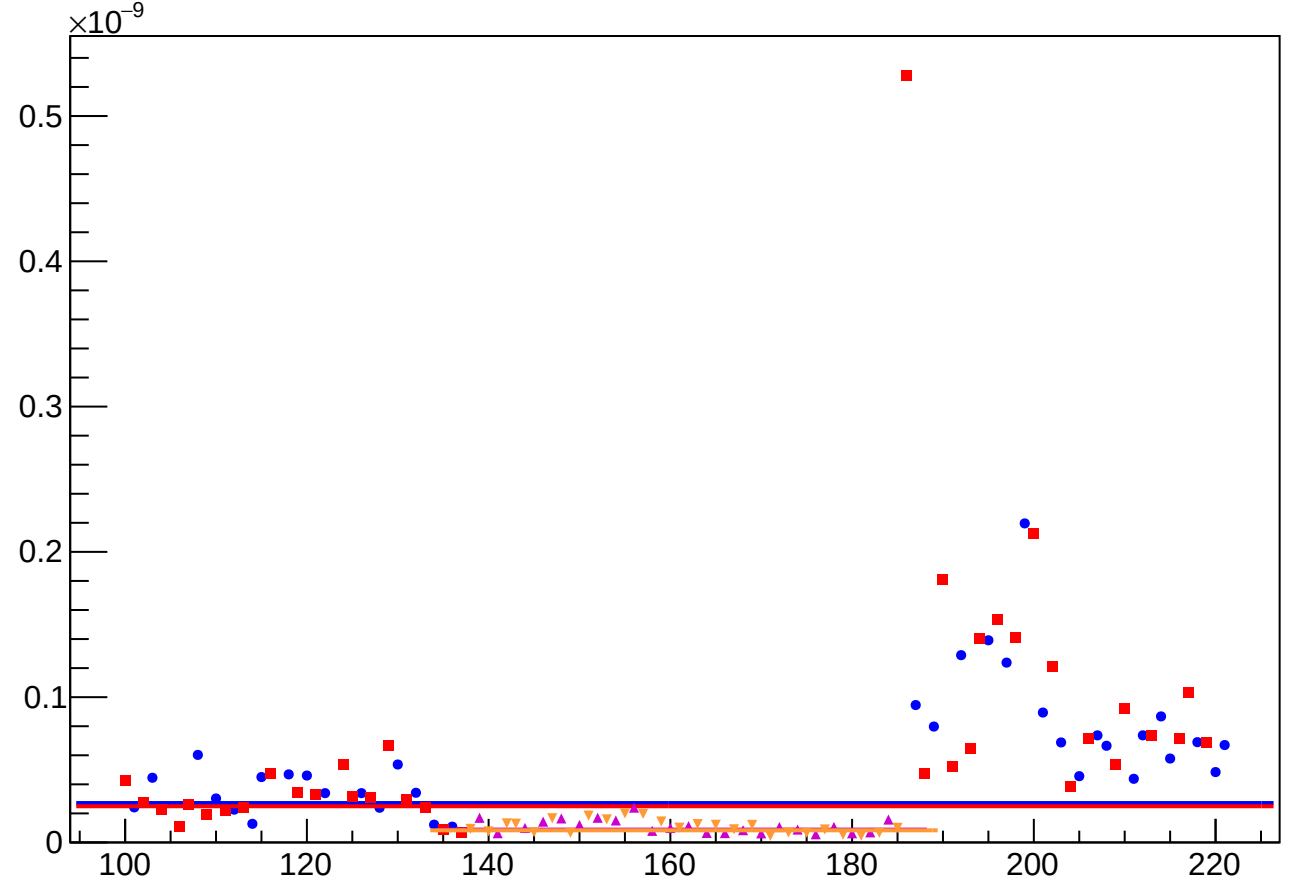
Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/36

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/58

All: -0.000+/-0.000 χ^2/NDF: 103.2/118

- sign -0.000+/-0.000 χ^2/NDF: 62.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 7753034.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8047896.1/36

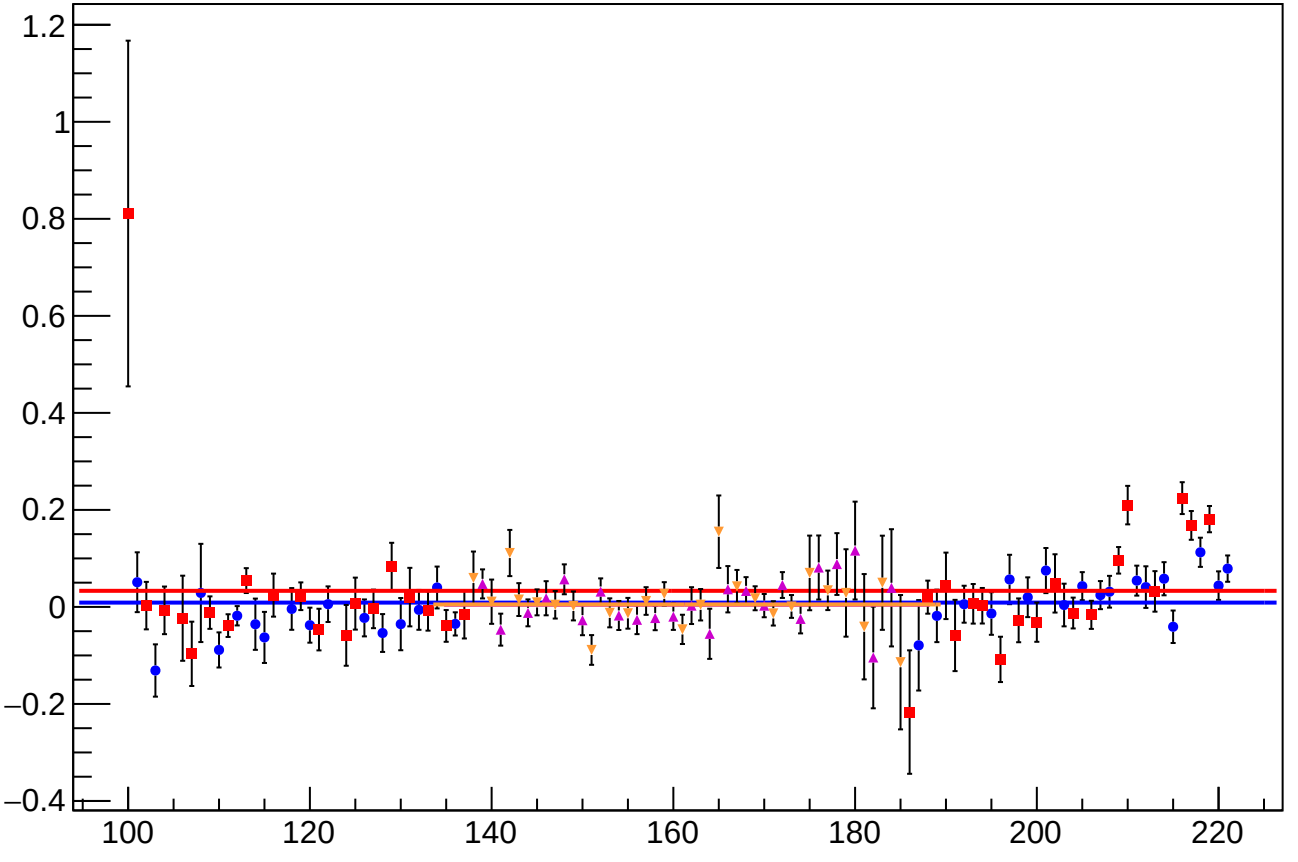
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14839906.2/58

All: 0.000+/-0.000 χ^2/NDF: 28193723.9/118

- sign 0.000+/-0.000 χ^2/NDF: 13333949.0/59

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

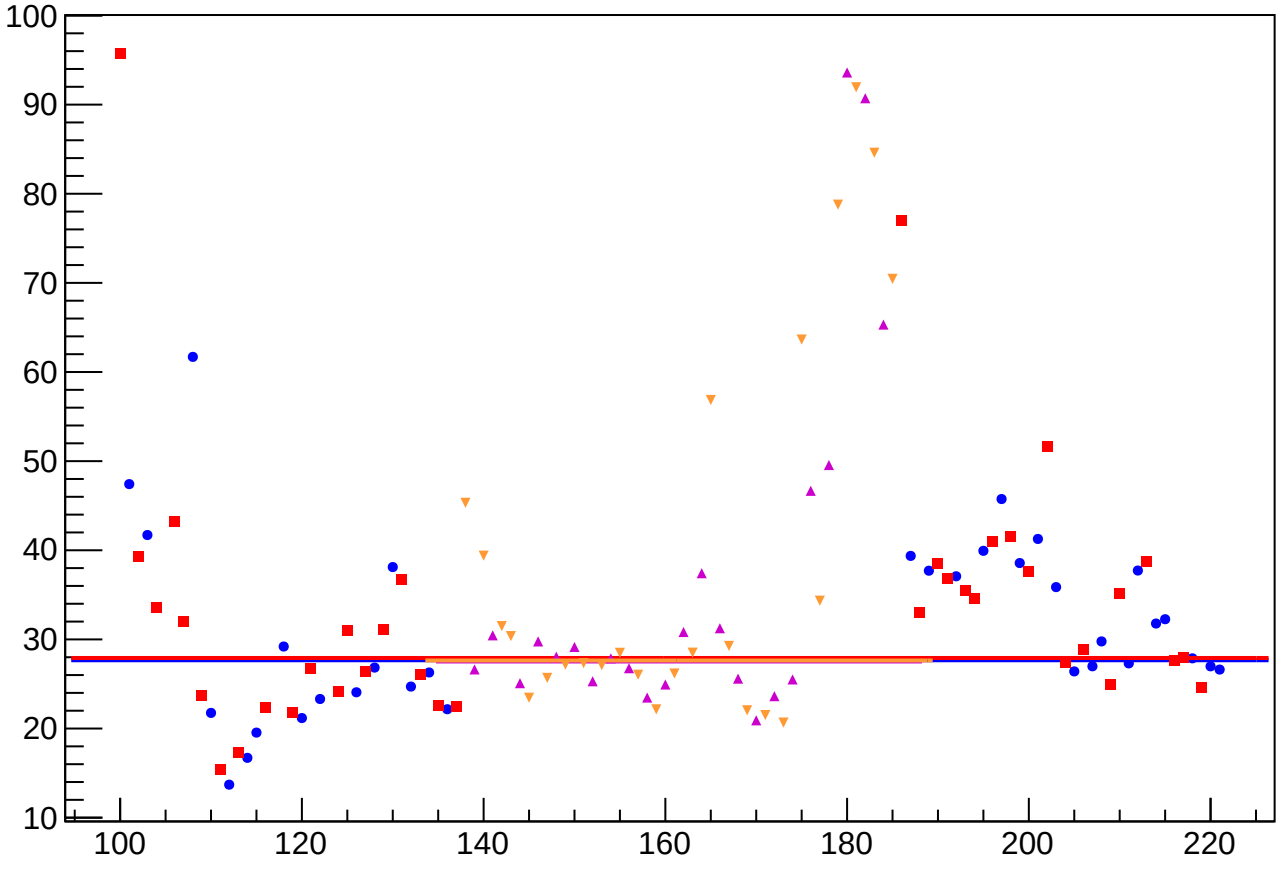
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.013+/-0.003 χ^2/NDF: 300.3/118

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.662+/-0.004 χ^2/NDF: 3251892.0/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

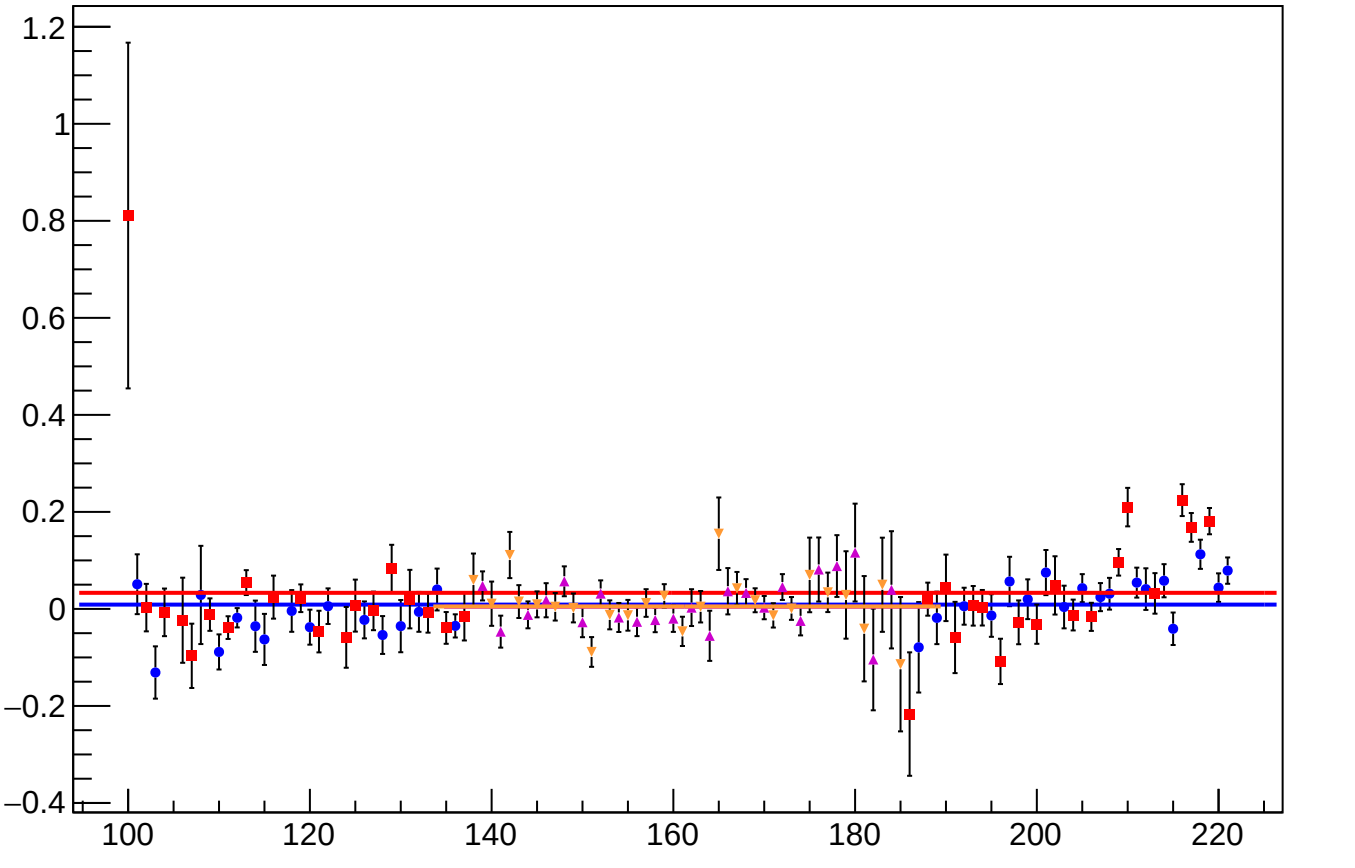
Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225993.5/58

All: 27.692+/-0.002 χ^2/NDF: 12941758.2/118

- sign 27.737+/-0.003 χ^2/NDF: 5715418.1/59



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

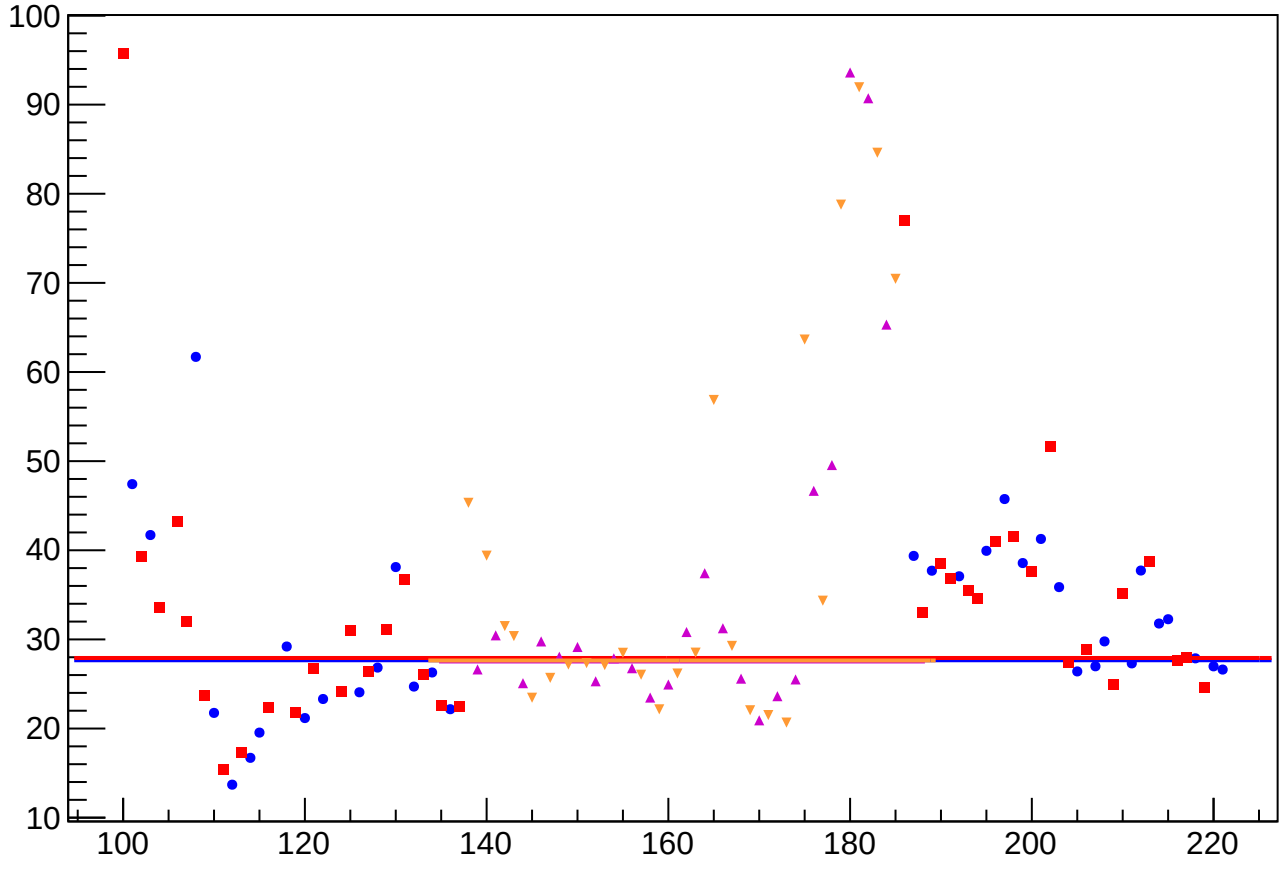
Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.013+/-0.003 χ^2/NDF: 300.3/118

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59



Right In: 27.662+/-0.004 χ^2/NDF: 3251892.0/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

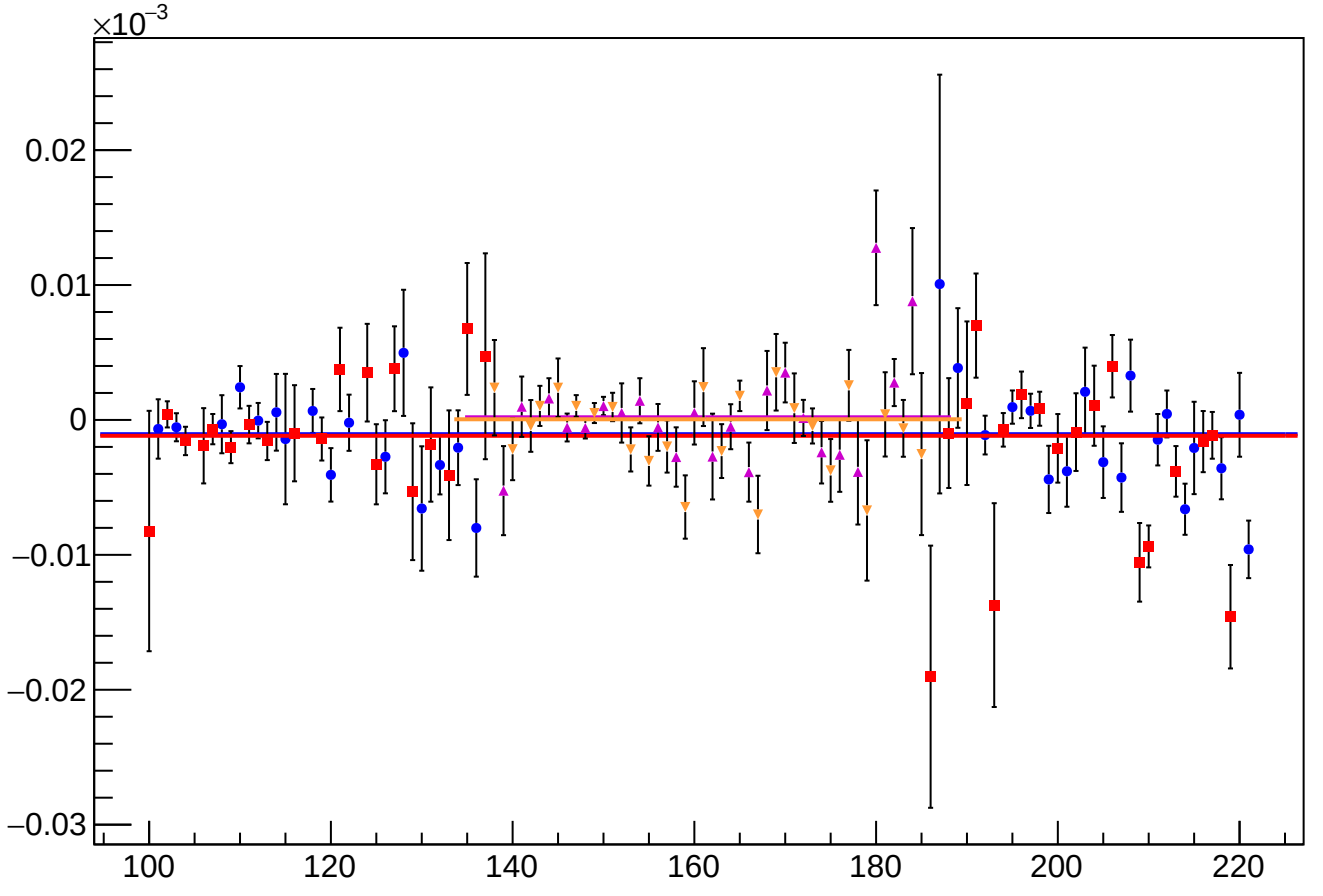
Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225993.5/58

All: 27.692+/-0.002 χ^2/NDF: 12941758.2/118

- sign 27.737+/-0.003 χ^2/NDF: 5715418.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 60.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

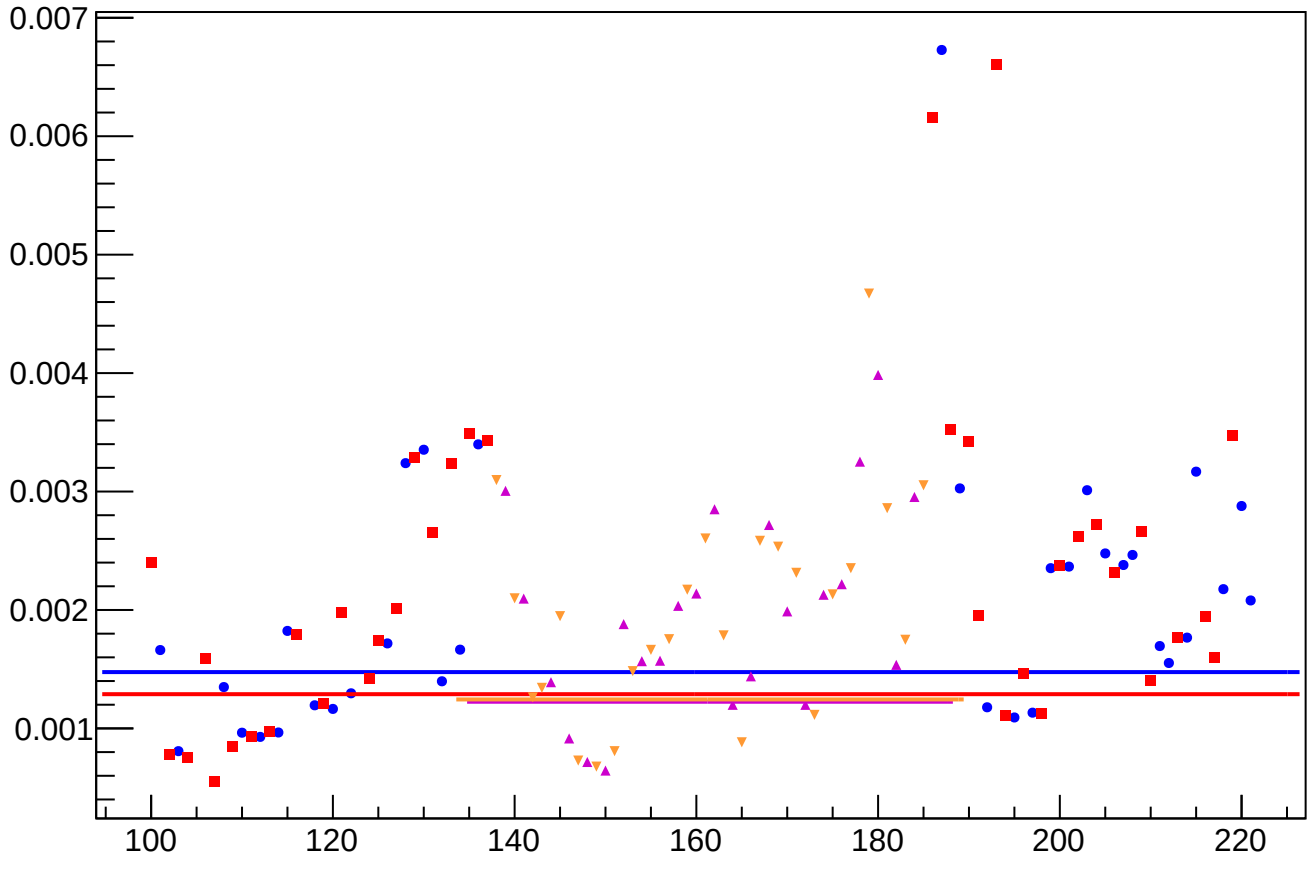
Right Out: -0.000+/-0.000 χ^2/NDF: 90.8/36

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 102.4/58

All: -0.000+/-0.000 χ^2/NDF: 235.2/118

- sign -0.000+/-0.000 χ^2/NDF: 132.8/59



Right In: 0.001+/-0.000 χ^2/NDF: 6762962.6/33

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

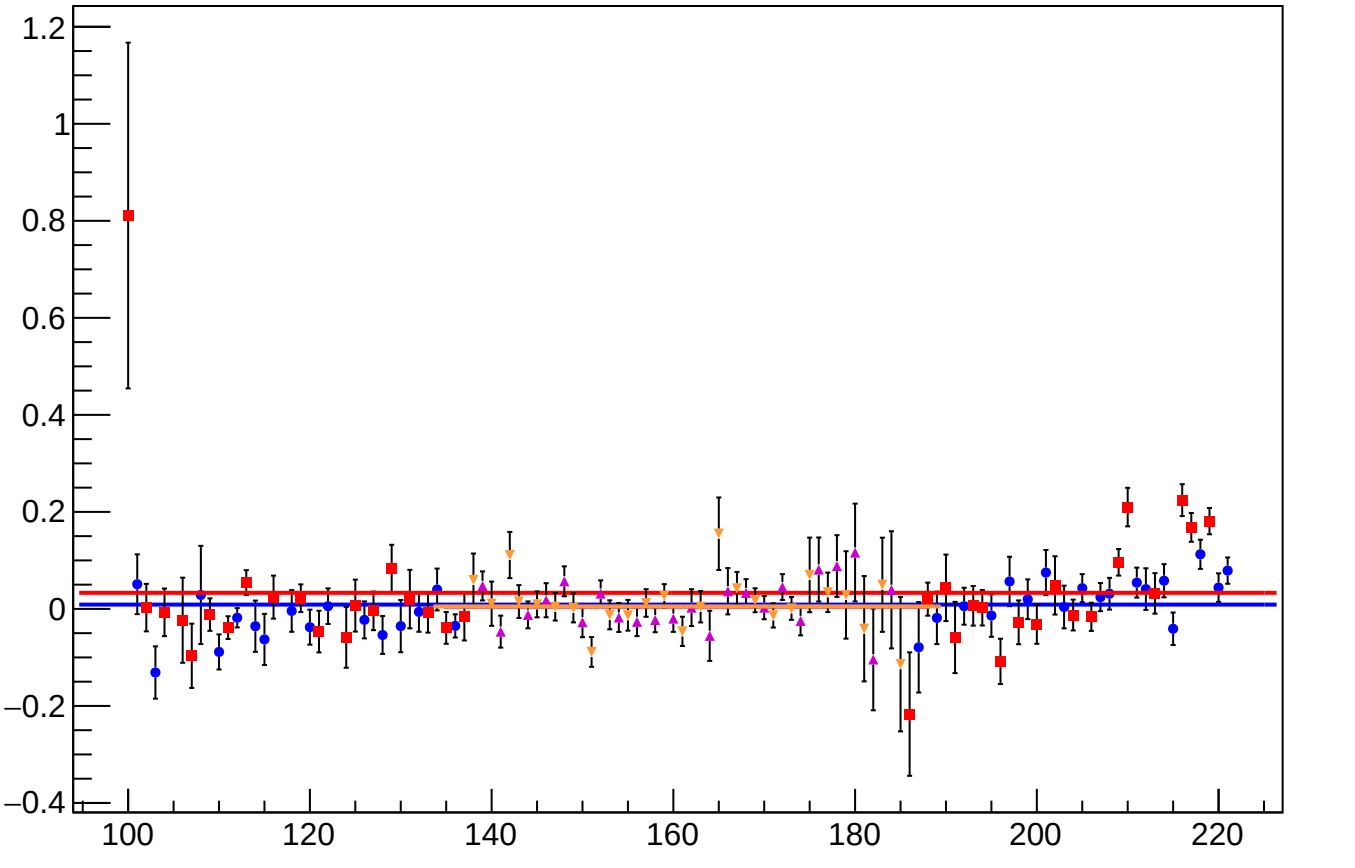
Right Out: 0.001+/-0.000 χ^2/NDF: 9836388.5/36

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15571451.4/58

All: 0.001+/-0.000 χ^2/NDF: 33426618.9/118

- sign 0.001+/-0.000 χ^2/NDF: 17696982.5/59



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

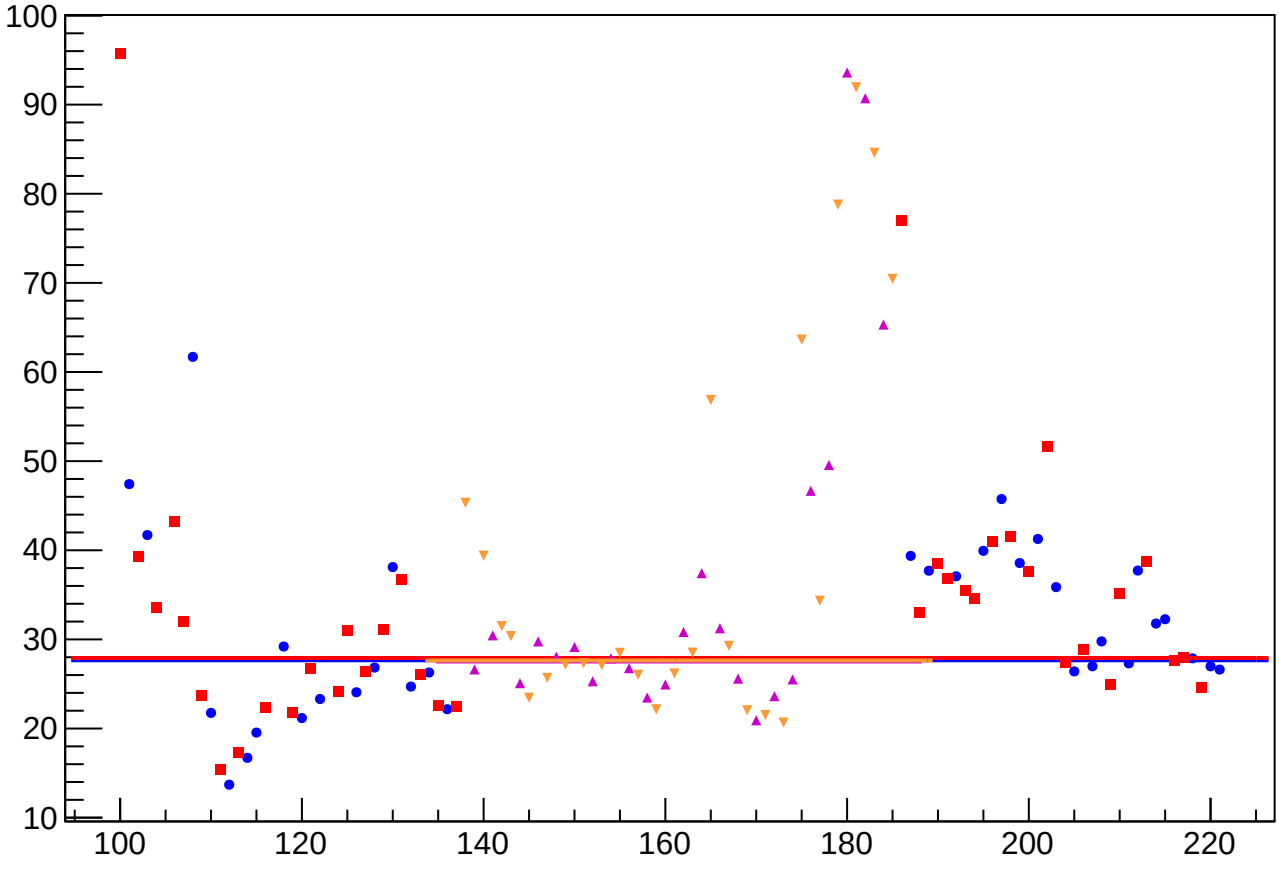
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.013+/-0.003 χ^2/NDF: 300.3/118

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.662+/-0.004 χ^2/NDF: 3251875.4/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

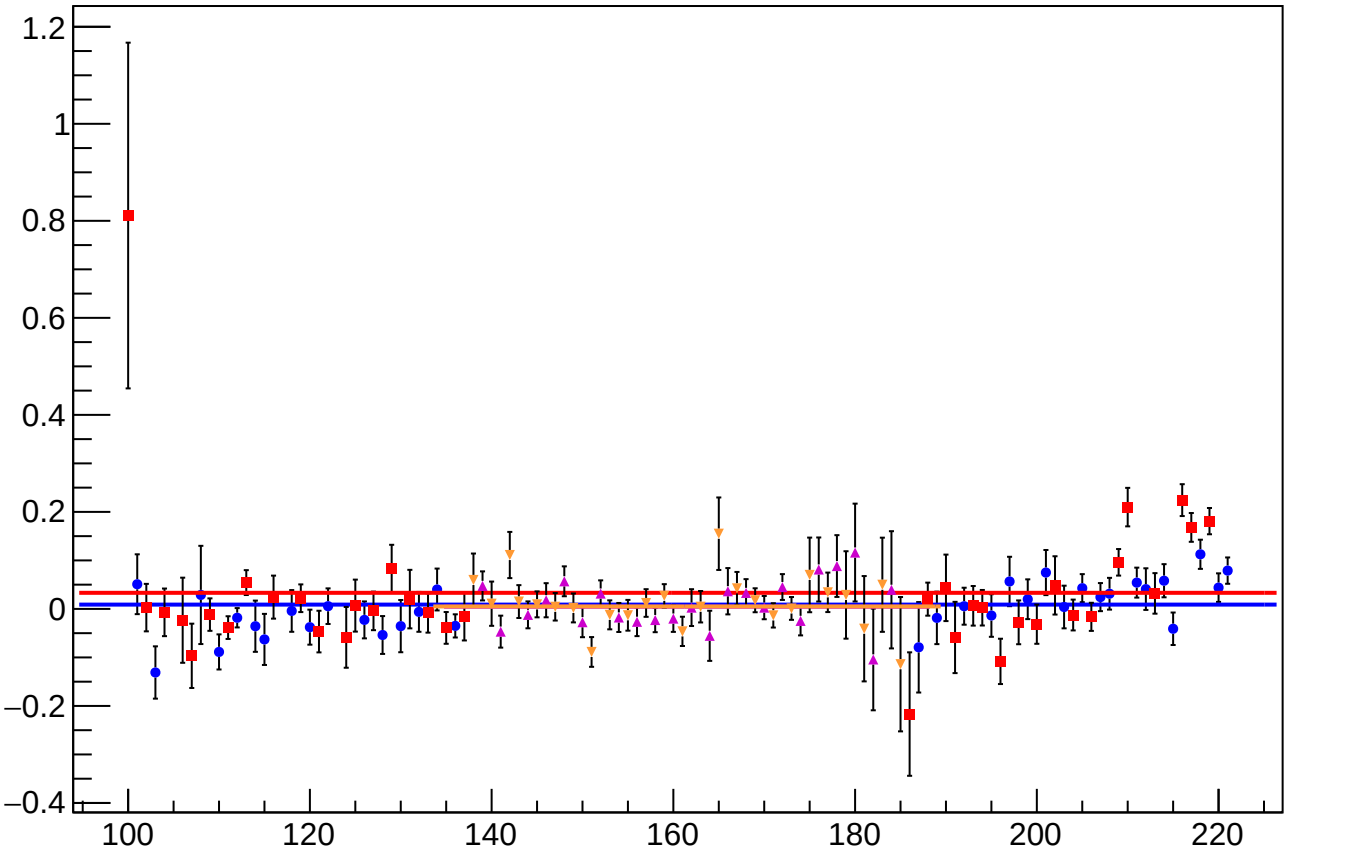
Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225916.8/58

All: 27.692+/-0.002 χ^2/NDF: 12941754.5/118

- sign 27.737+/-0.003 χ^2/NDF: 5715491.5/59



Right In: 0.009+/-0.006 χ^2/NDF: 62.2/33

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

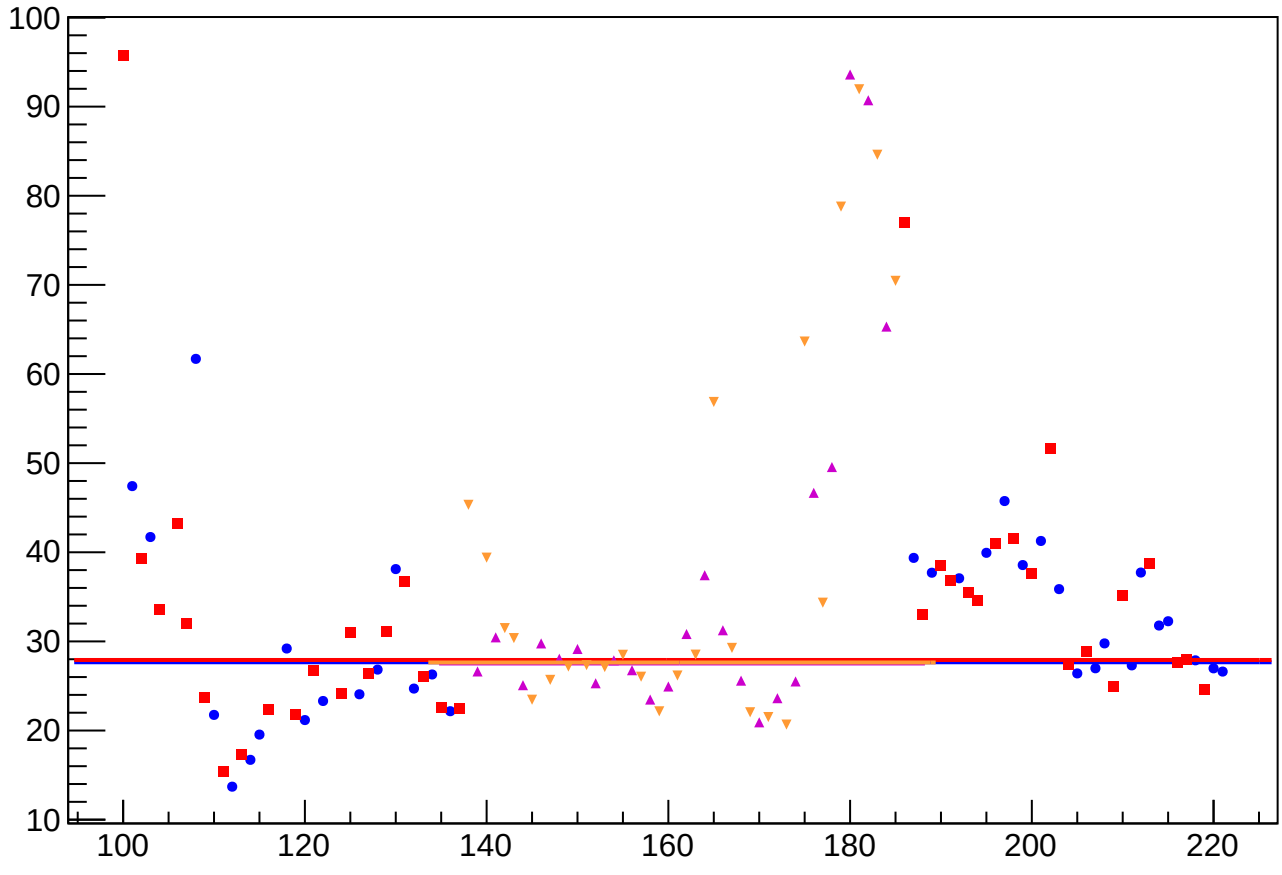
Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.005 χ^2/NDF: 90.8/58

All: 0.013+/-0.003 χ^2/NDF: 300.3/118

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59



Right In: 27.662+/-0.004 χ^2/NDF: 3251875.4/33

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

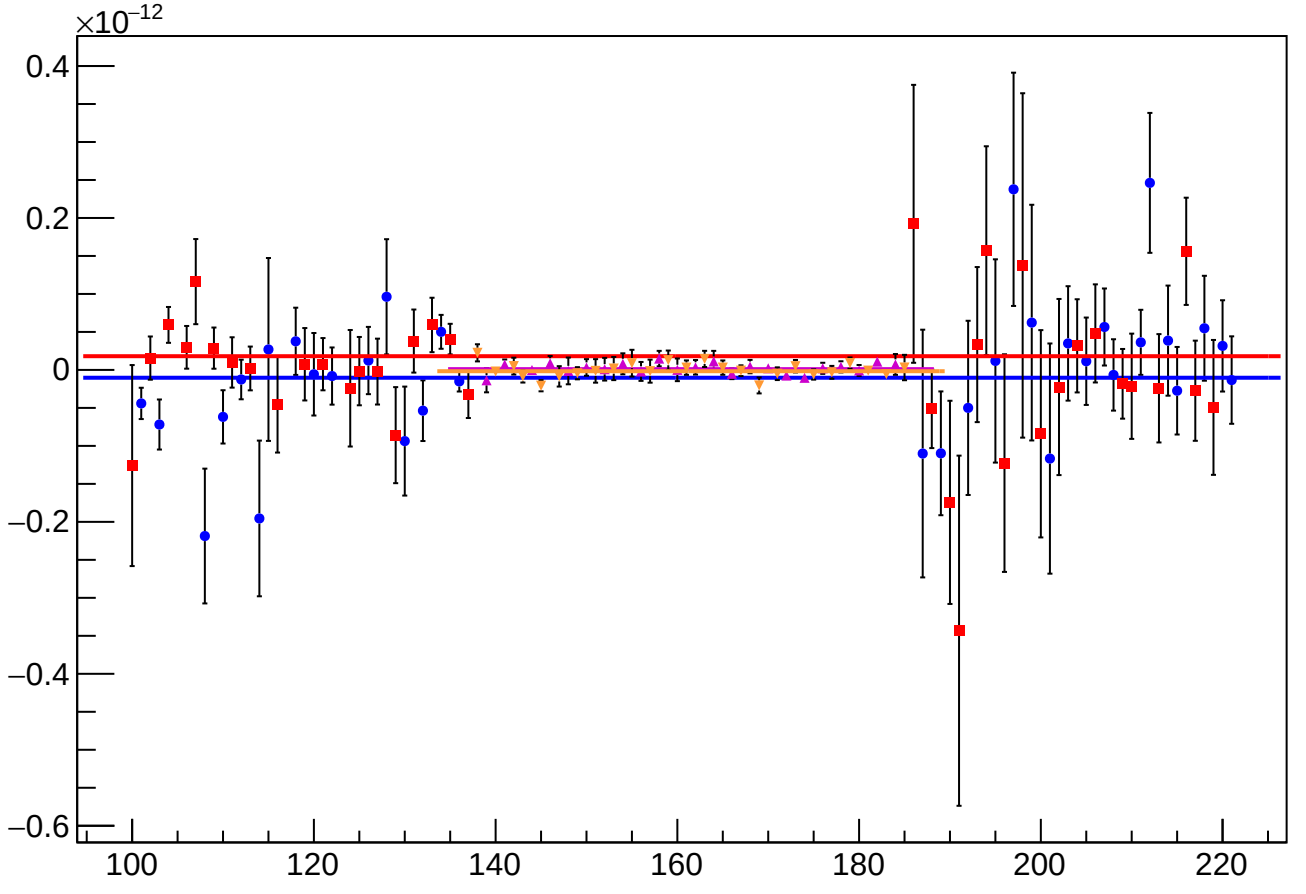
Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.649+/-0.003 χ^2/NDF: 7225916.8/58

All: 27.692+/-0.002 χ^2/NDF: 12941754.5/118

- sign 27.737+/-0.003 χ^2/NDF: 5715491.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

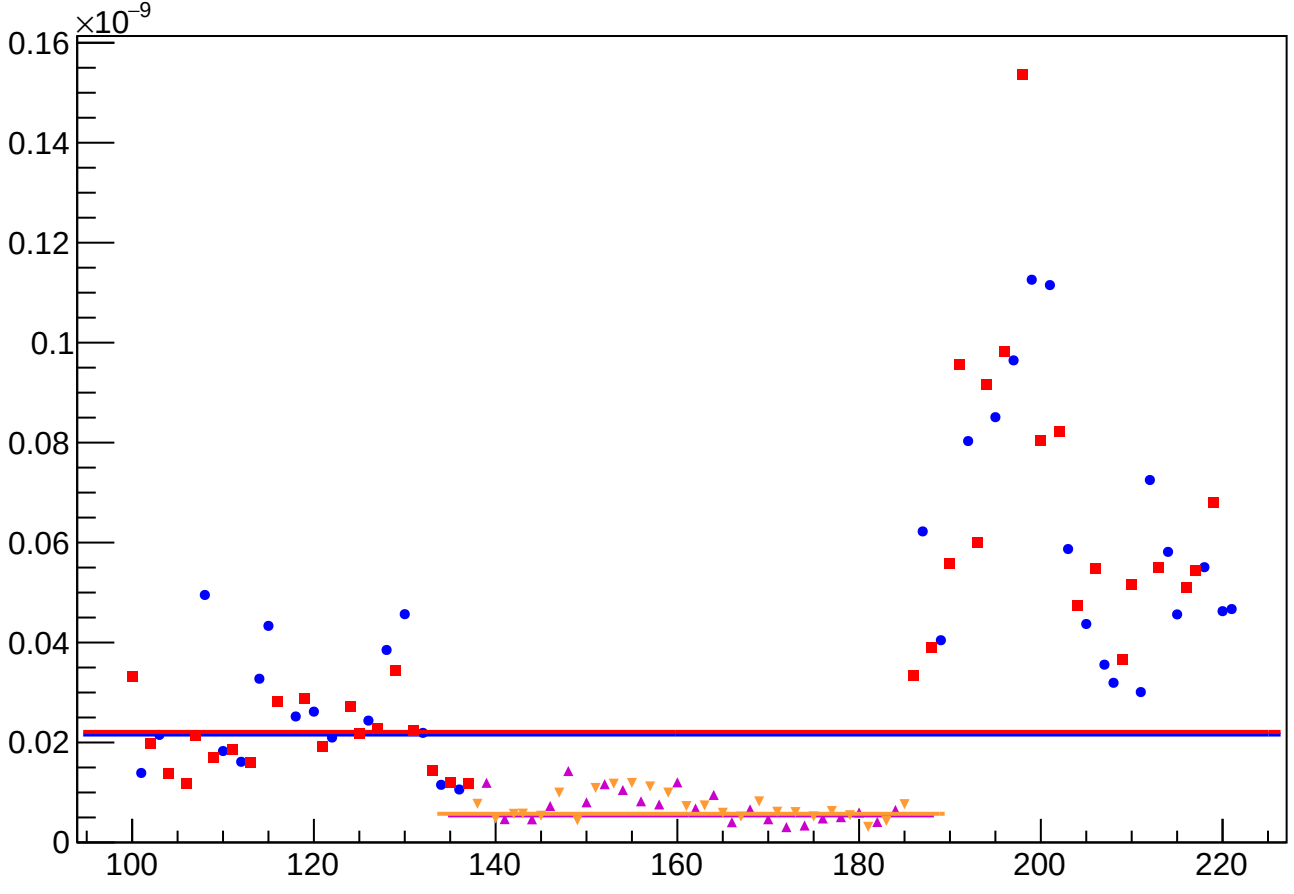
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/36

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/58

All: -0.000+/-0.000 χ^2/NDF: 134.5/118

- sign 0.000+/-0.000 χ^2/NDF: 56.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 9649335.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8385023.2/36

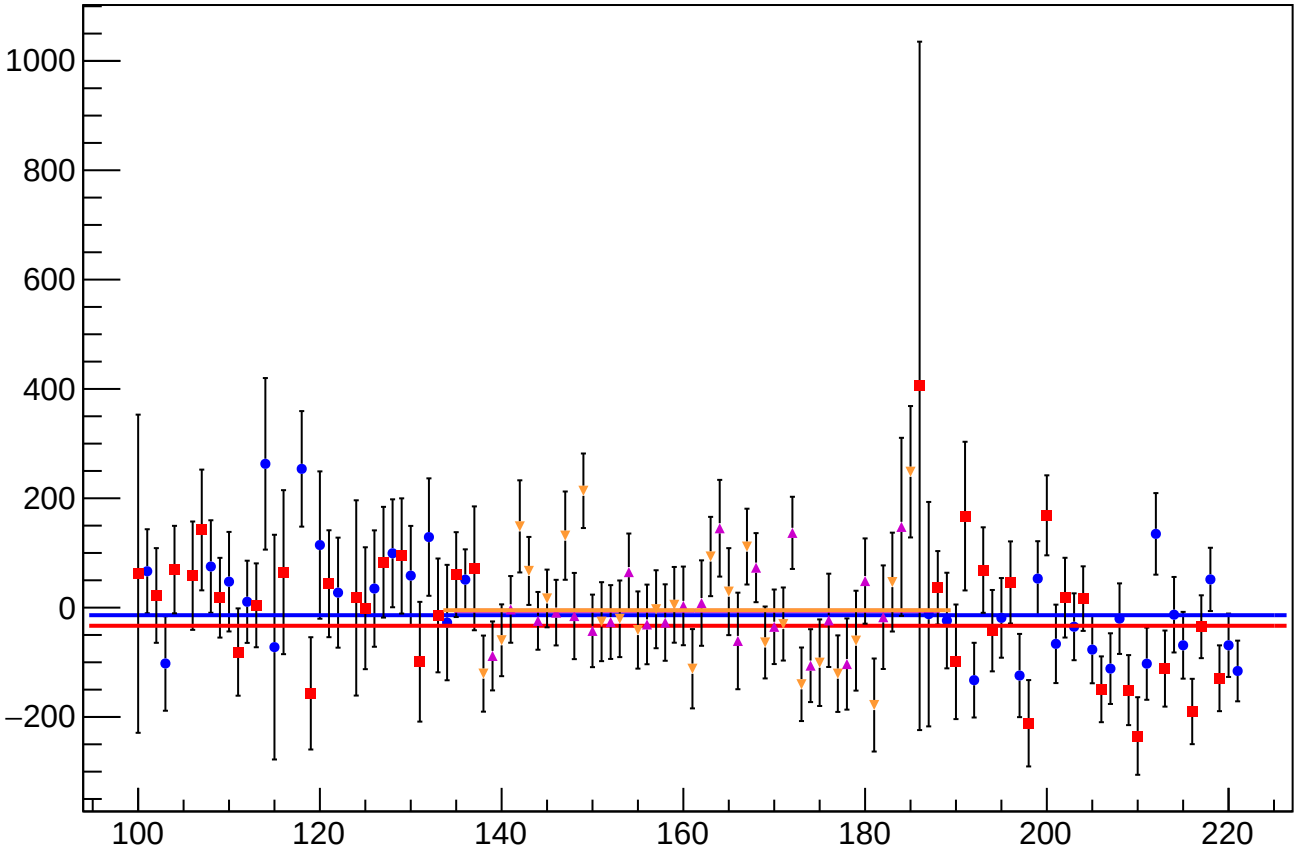
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21916959.3/58

All: 0.000+/-0.000 χ^2/NDF: 43787927.1/118

- sign 0.000+/-0.000 χ^2/NDF: 21826670.3/59

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -13.843+/-13.110 χ^2/NDF: 42.1/33

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -33.189+/-13.535 χ^2/NDF: 61.5/36

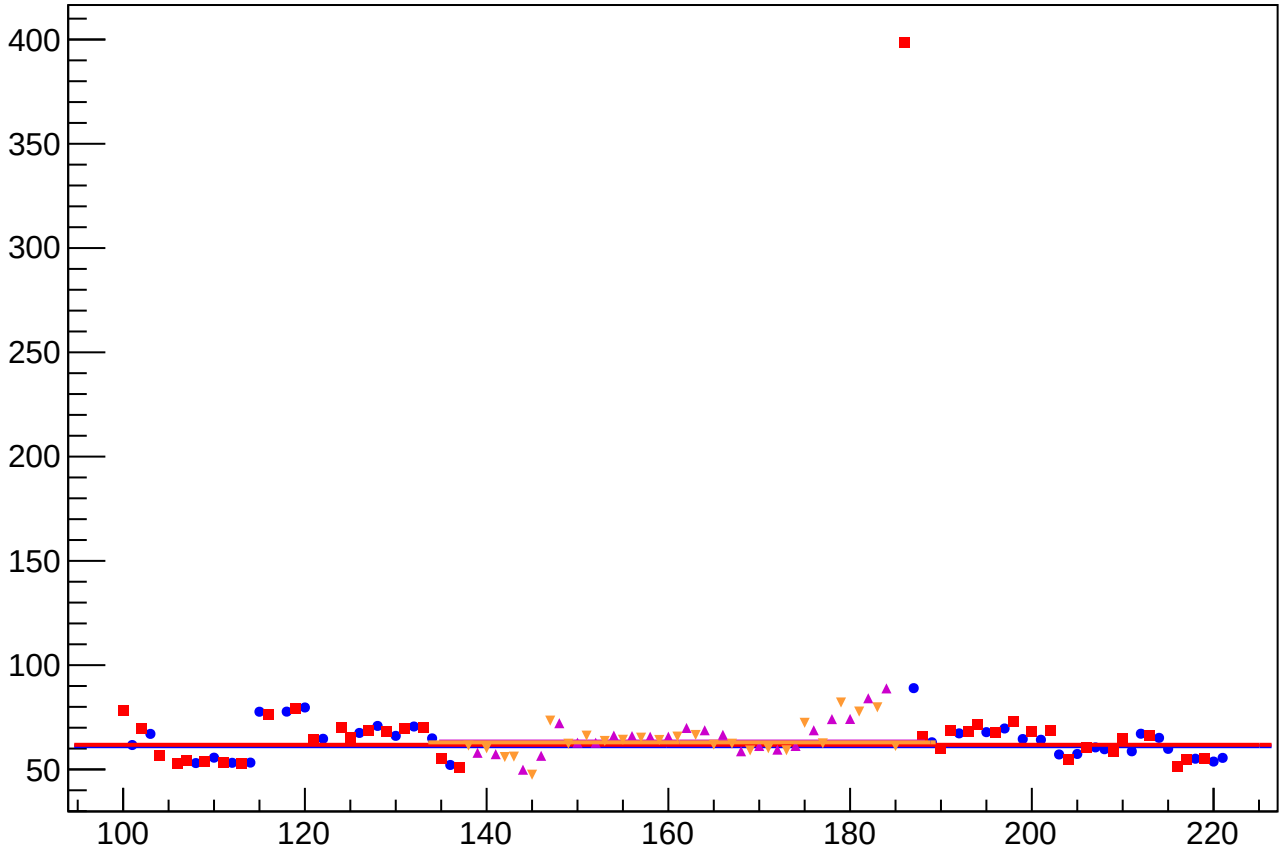
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -9.728+/-9.704 χ^2/NDF: 89.6/58

All: -15.094+/-6.973 χ^2/NDF: 171.9/118

- sign -20.824+/-10.028 χ^2/NDF: 81.7/59

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.130+/-0.009 χ^2/NDF: 487091.7/33

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.812+/-0.010 χ^2/NDF: 1162944.9/36

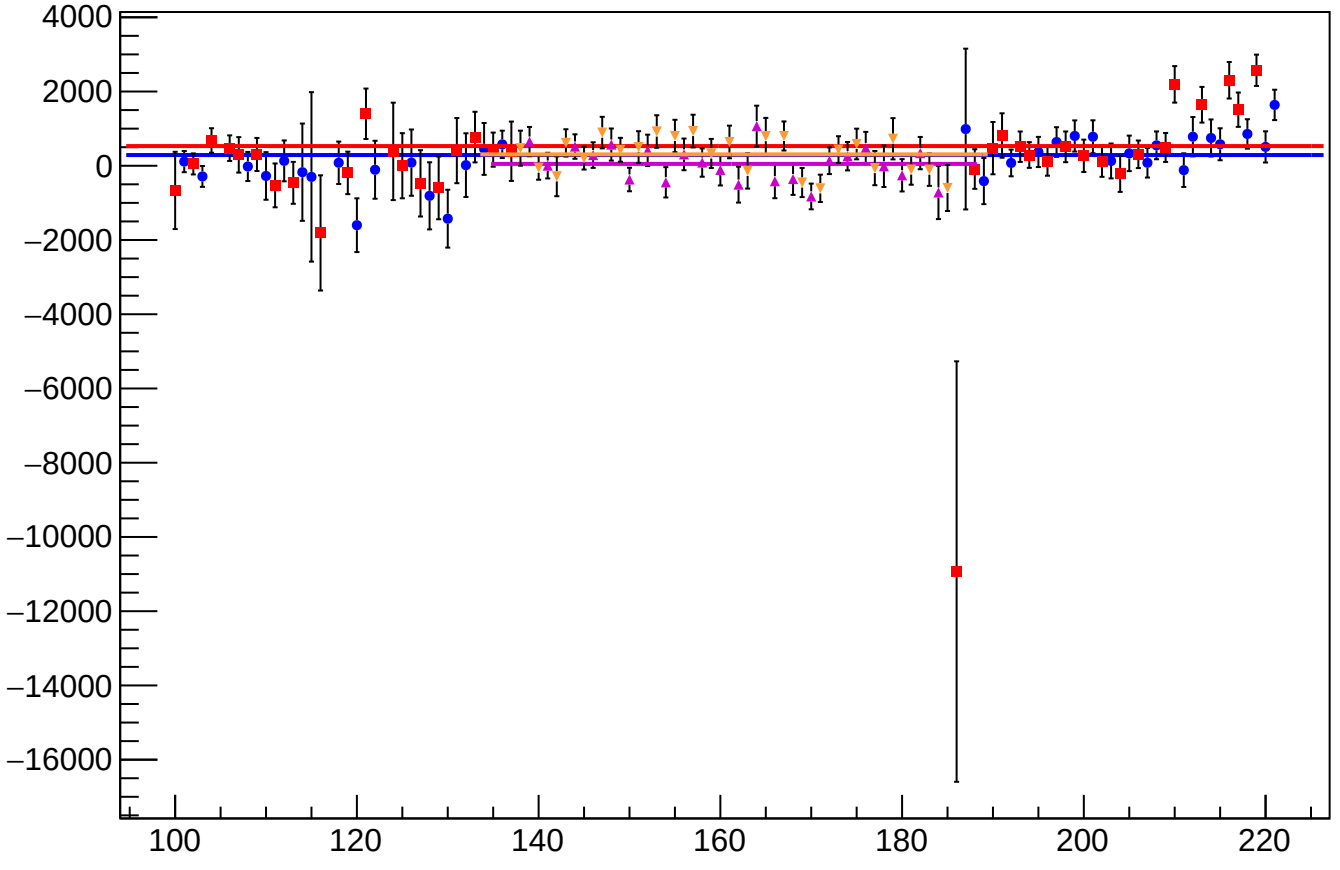
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 61.965+/-0.007 χ^2/NDF: 1031876.4/58

All: 62.230+/-0.005 χ^2/NDF: 2706710.9/118

- sign 62.513+/-0.007 χ^2/NDF: 1671751.7/59

asym_sam_37_48_dd_reg_correction_mean vs Slug



Right In: 288.756+/-81.300 χ^2/NDF: 42.9/33

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 530.563+/-80.840 χ^2/NDF: 89.3/36

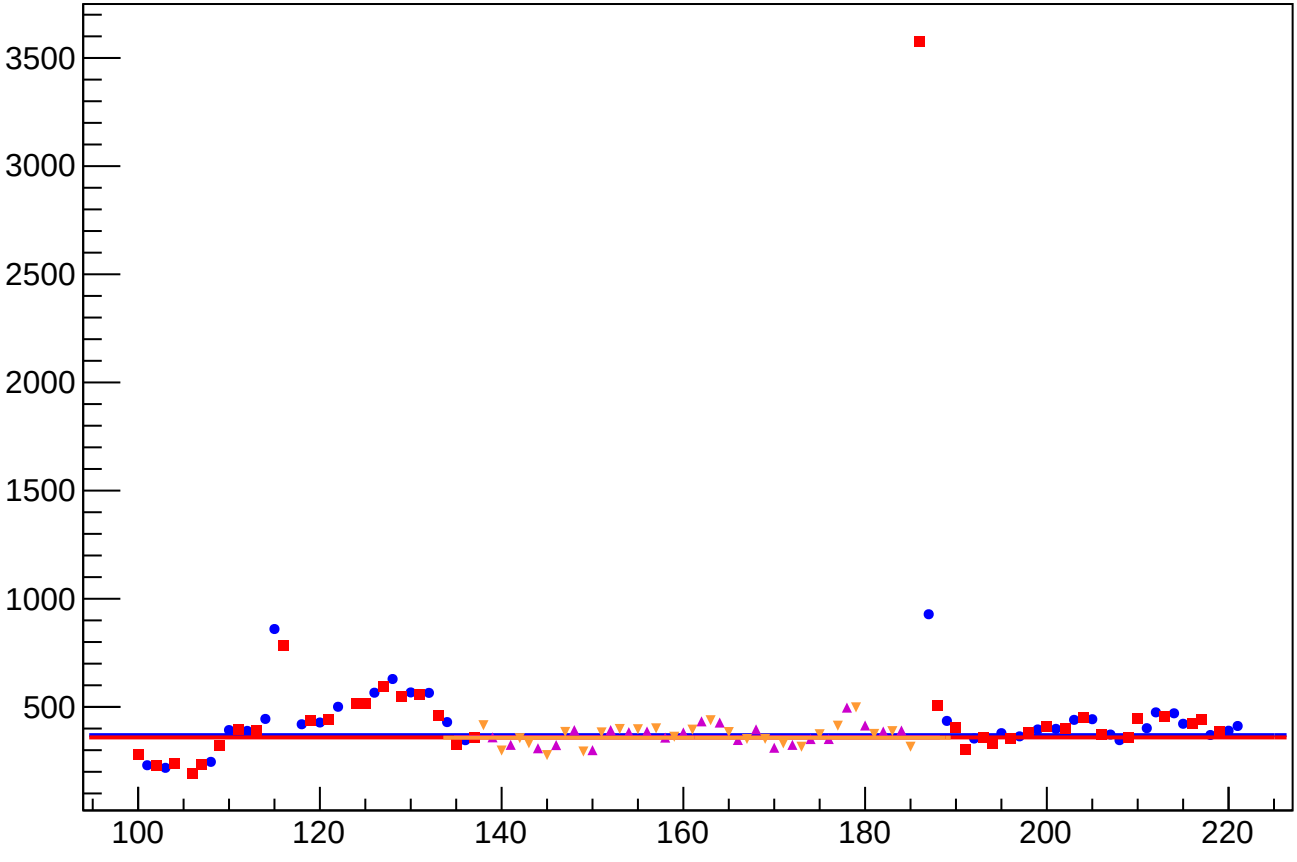
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

\+ sign 297.850+/-57.859 χ^2/NDF: 73.6/58

All: 299.845+/-41.146 χ^2/NDF: 207.0/118

\- sign 301.886+/-58.525 χ^2/NDF: 133.4/59

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 369.495+/-0.057 χ^2/NDF: 2462476.7/33

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 358.979+/-0.057 χ^2/NDF: 3281536.0/36

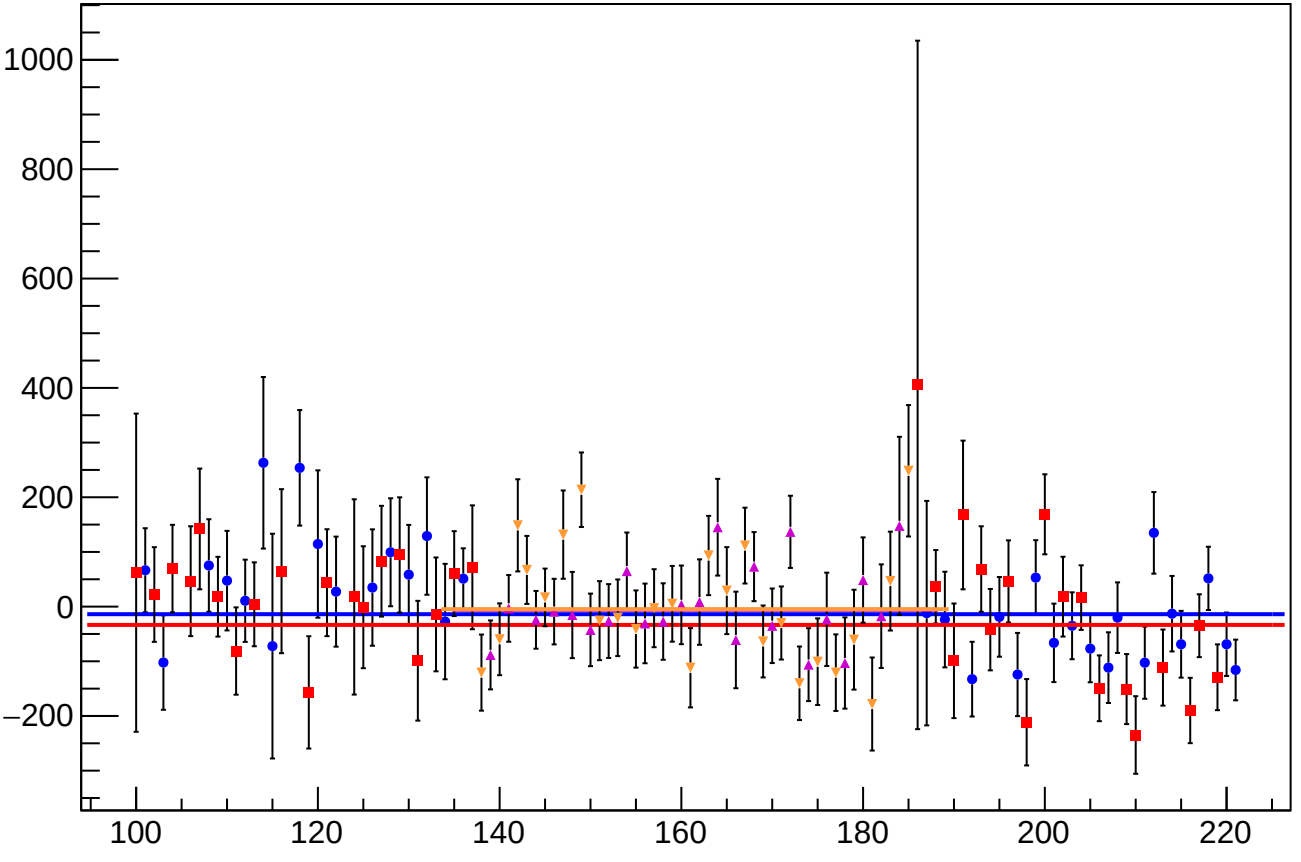
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 363.690+/-0.041 χ^2/NDF: 3166872.2/58

All: 361.449+/-0.029 χ^2/NDF: 6974257.9/118

- sign 359.156+/-0.041 χ^2/NDF: 3801315.9/59

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -13.847+/-13.110 χ^2/NDF: 42.1/33

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -33.456+/-13.538 χ^2/NDF: 61.3/36

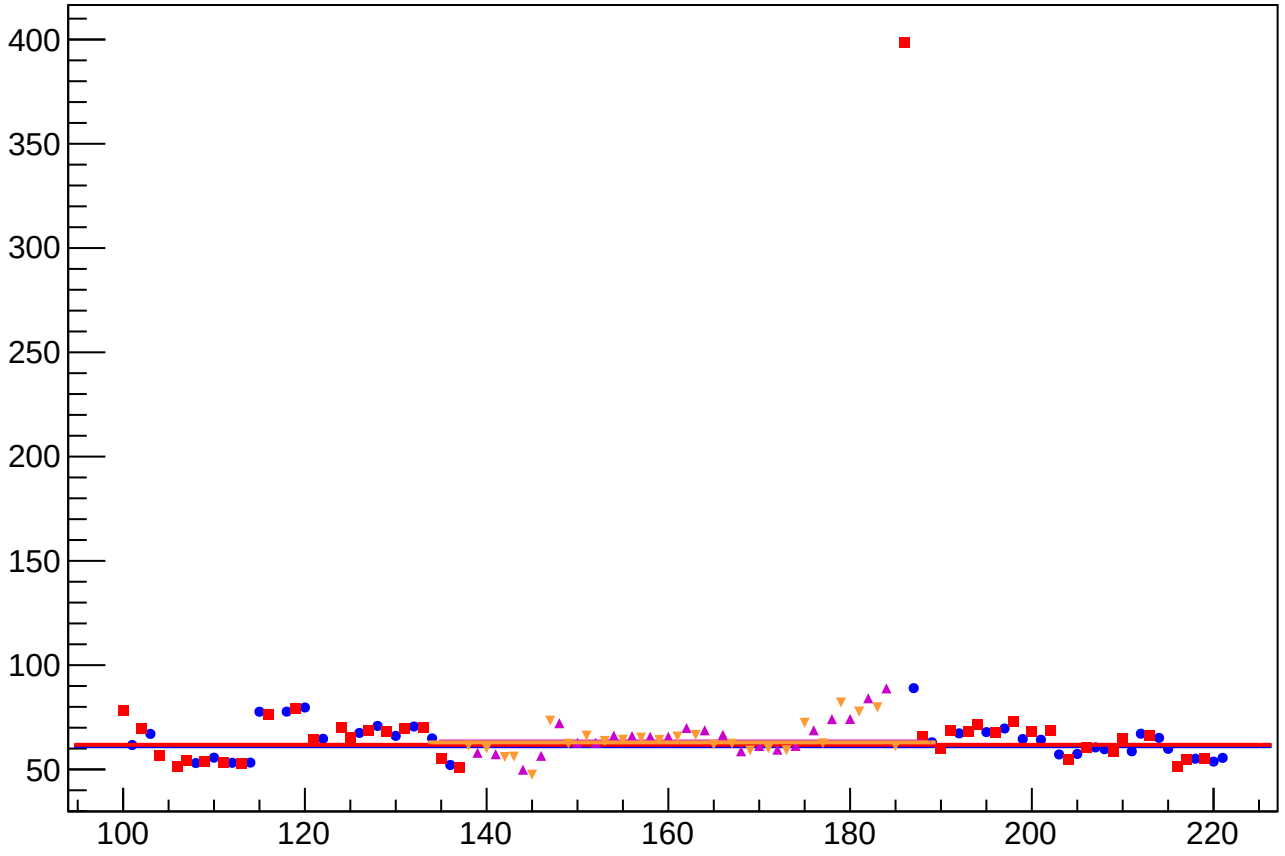
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -9.733+/-9.704 χ^2/NDF: 89.6/58

All: -15.164+/-6.974 χ^2/NDF: 171.8/118

- sign -20.966+/-10.029 χ^2/NDF: 81.5/59

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.130+/-0.009 χ^2/NDF: 487091.9/33

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

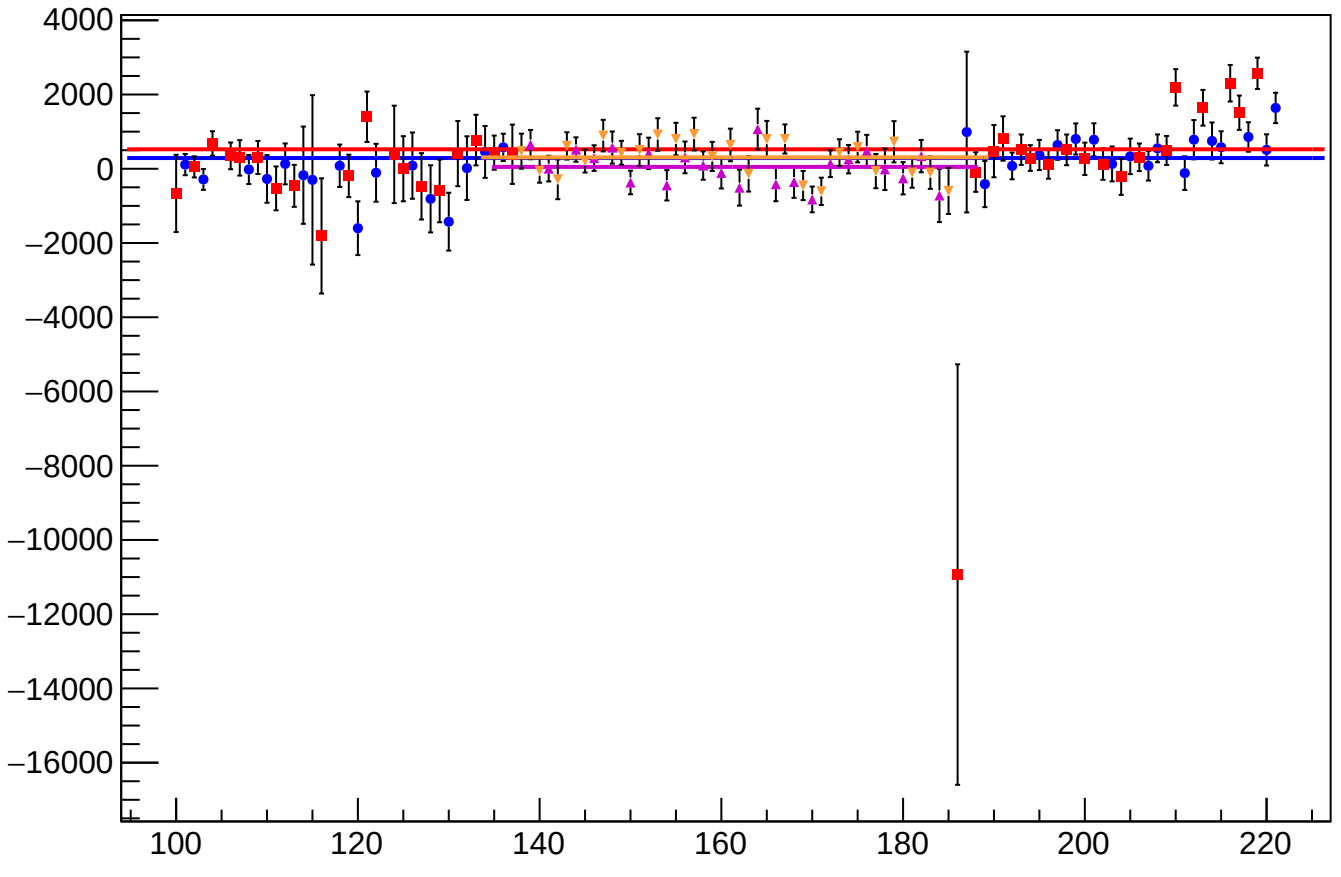
Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

\+ sign 61.965+/-0.007 χ^2/NDF: 1031876.6/58

All: 62.226+/-0.005 χ^2/NDF: 2710508.6/118

\- sign 62.505+/-0.007 χ^2/NDF: 1675634.6/59



Right In: 288.761+/-81.300 χ^2/NDF: 42.9/33

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 524.582+/-81.039 χ^2/NDF: 89.5/36

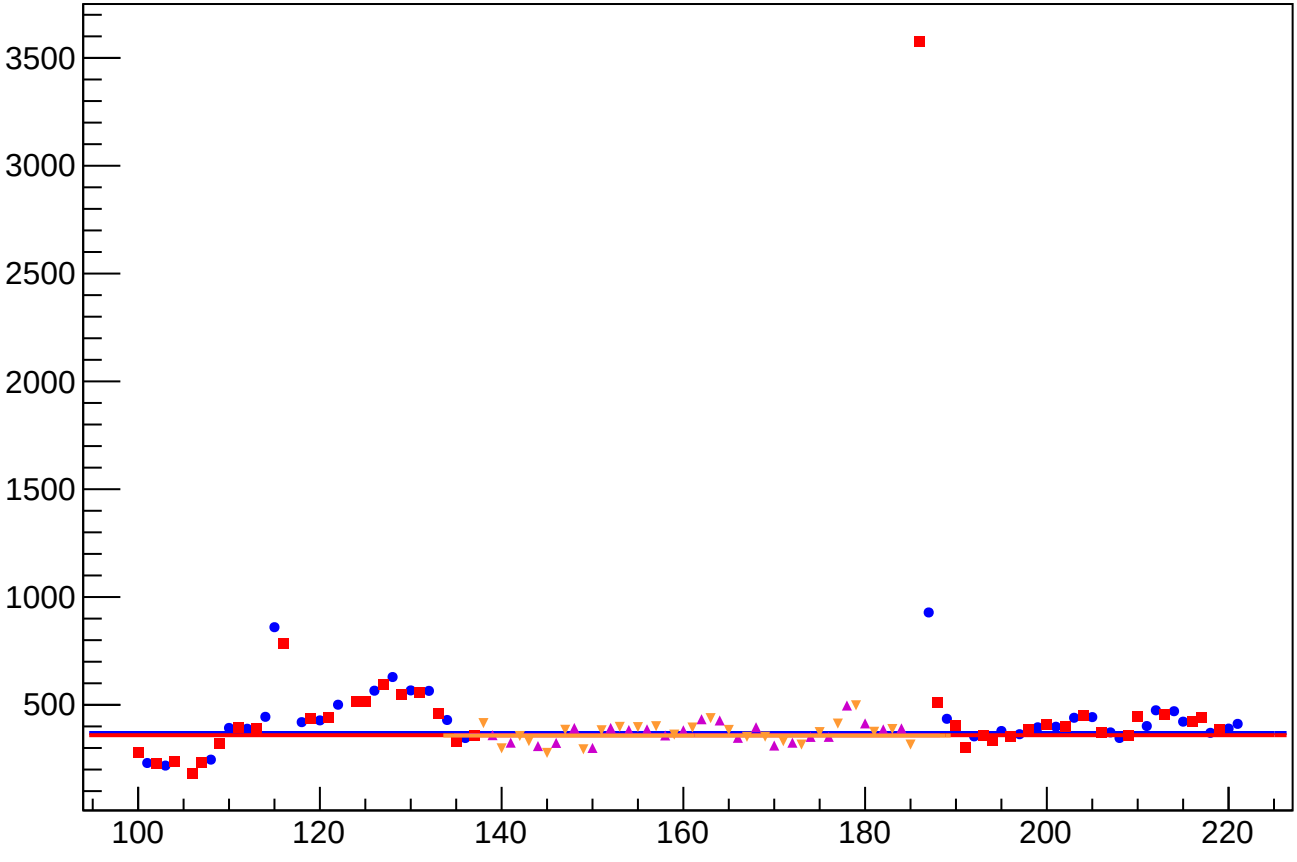
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 297.849+/-57.859 χ^2/NDF: 73.6/58

All: 298.007+/-41.172 χ^2/NDF: 206.8/118

- sign 298.169+/-58.600 χ^2/NDF: 133.1/59

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 369.496+/-0.057 χ^2/NDF: 2462384.1/33

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

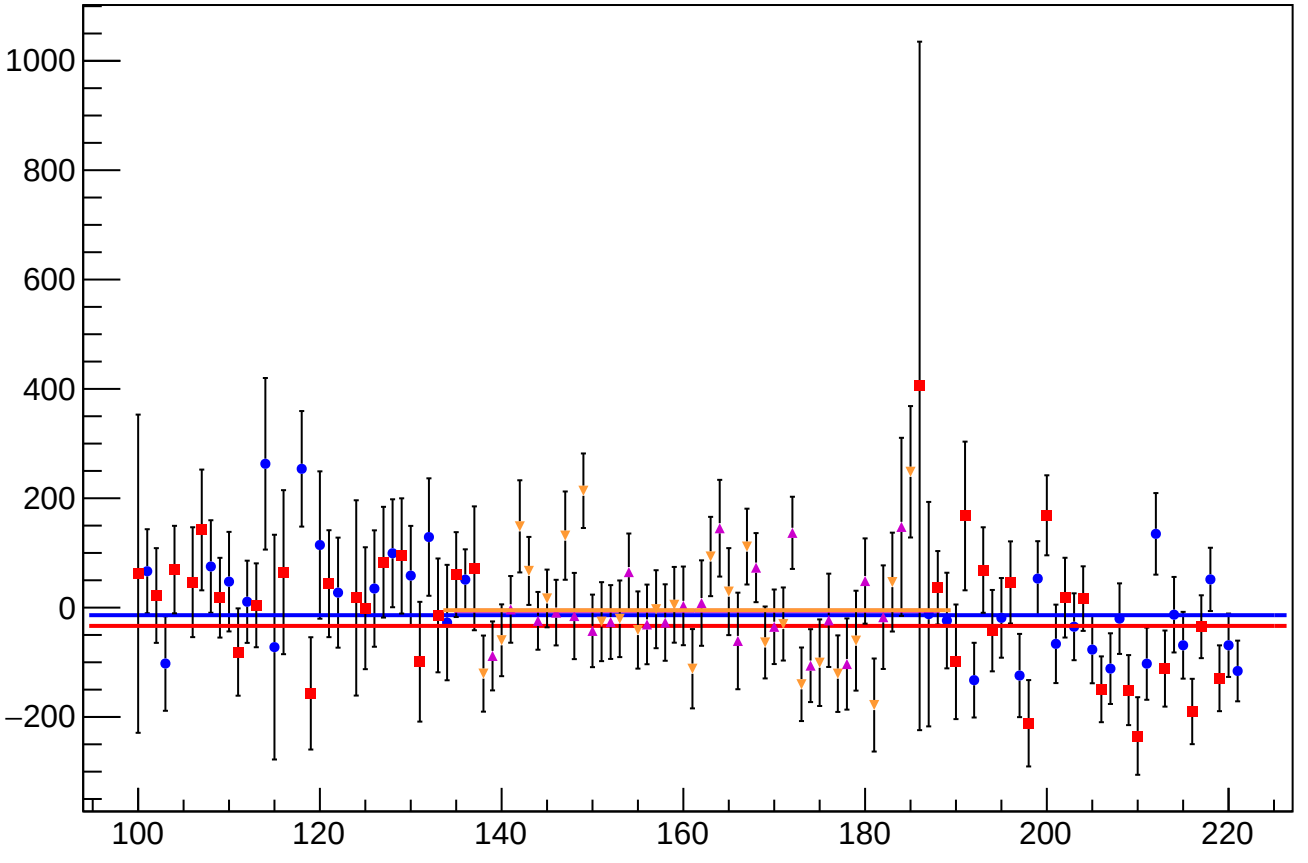
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 363.690+/-0.041 χ^2/NDF: 3166779.9/58

All: 361.531+/-0.029 χ^2/NDF: 6986803.5/118

- sign 359.315+/-0.041 χ^2/NDF: 3814379.5/59

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -13.847+/-13.110 χ^2/NDF: 42.1/33

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -33.456+/-13.538 χ^2/NDF: 61.3/36

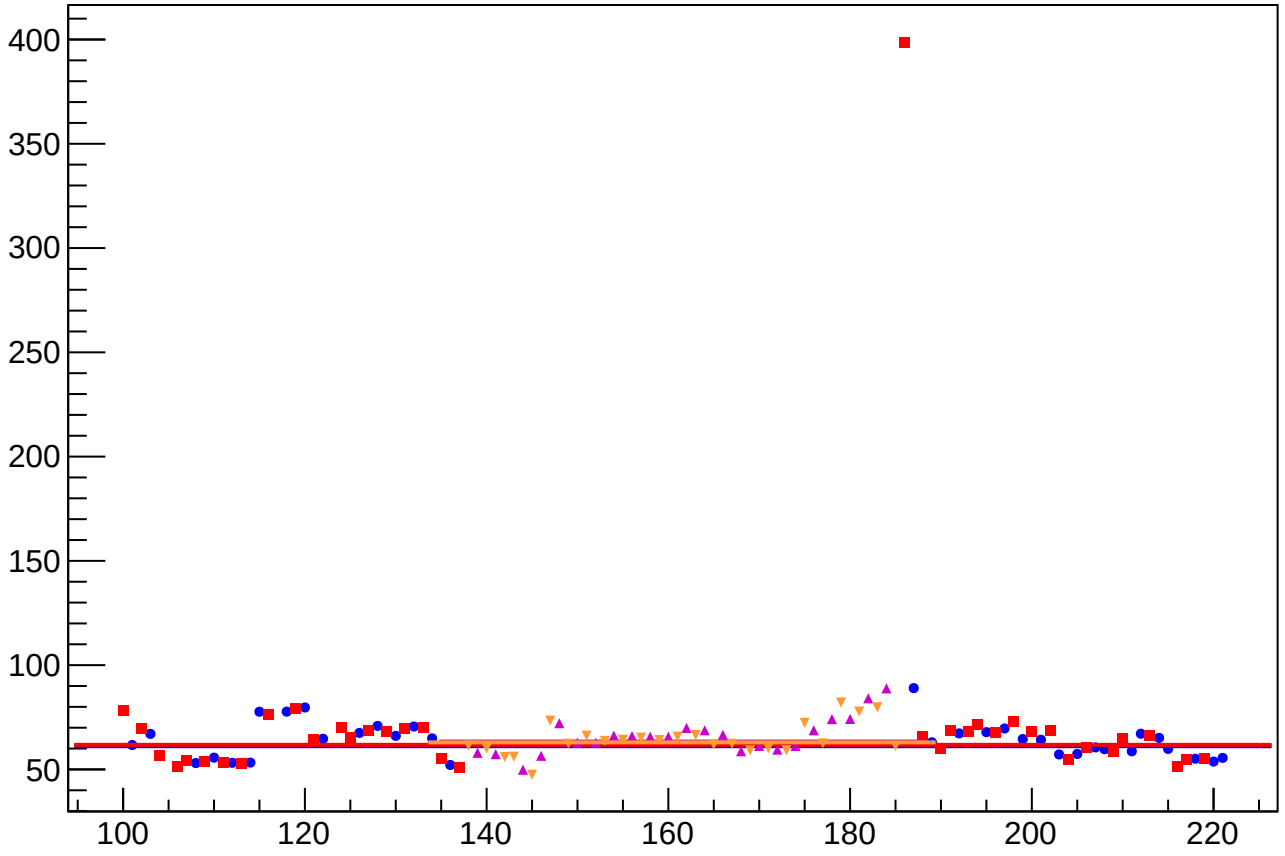
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -9.733+/-9.704 χ^2/NDF: 89.6/58

All: -15.164+/-6.974 χ^2/NDF: 171.8/118

- sign -20.966+/-10.029 χ^2/NDF: 81.5/59

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.130+/-0.009 χ^2/NDF: 487091.9/33

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

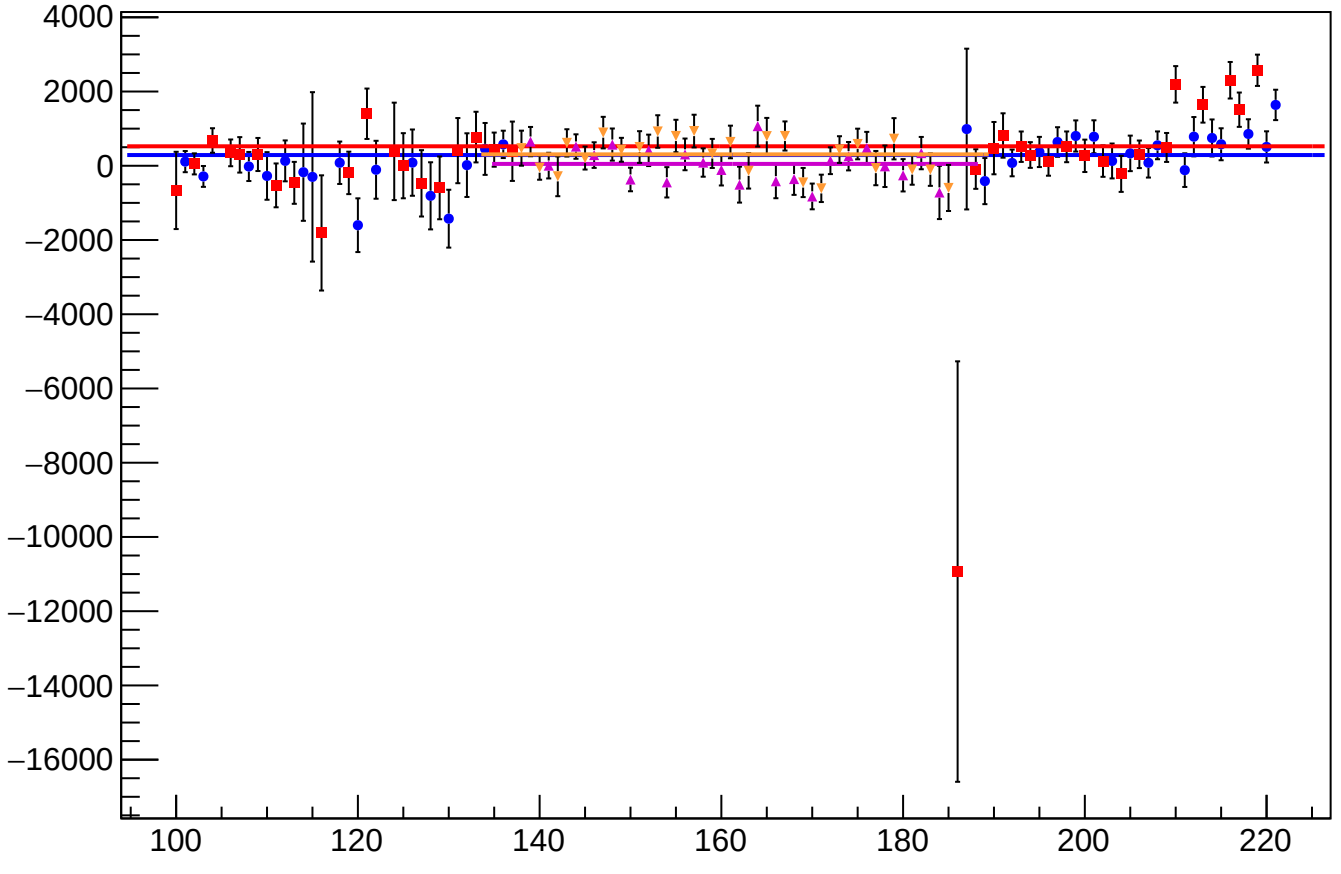
Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 61.965+/-0.007 χ^2/NDF: 1031876.6/58

All: 62.226+/-0.005 χ^2/NDF: 2710508.6/118

- sign 62.505+/-0.007 χ^2/NDF: 1675634.6/59



Right In: 288.761+/-81.300 χ^2/NDF: 42.9/33

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

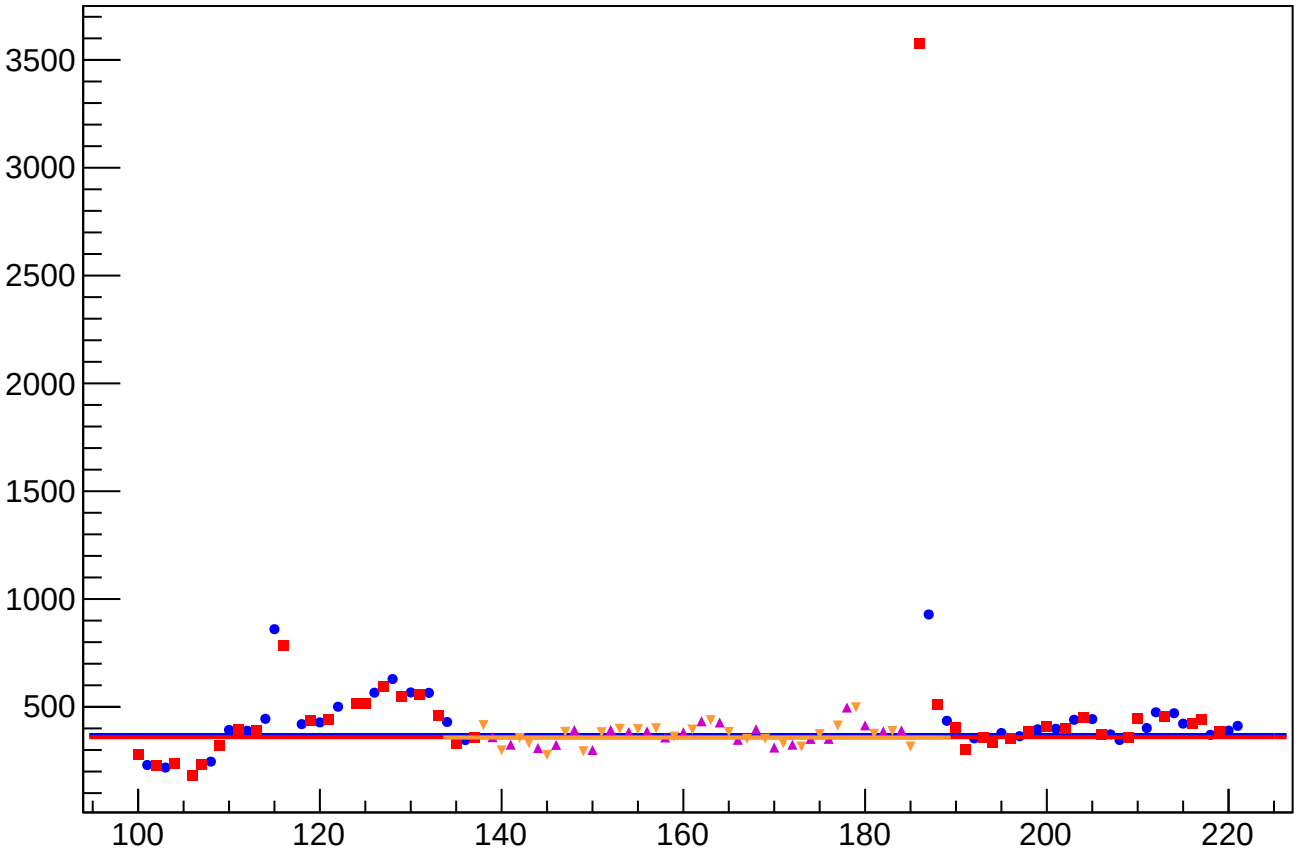
Right Out: 524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 297.849+/-57.859 χ^2/NDF: 73.6/58

All: 298.007+/-41.172 χ^2/NDF: 206.8/118

- sign 298.169+/-58.600 χ^2/NDF: 133.1/59



Right In: 369.496+/-0.057 χ^2/NDF: 2462384.1/33

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

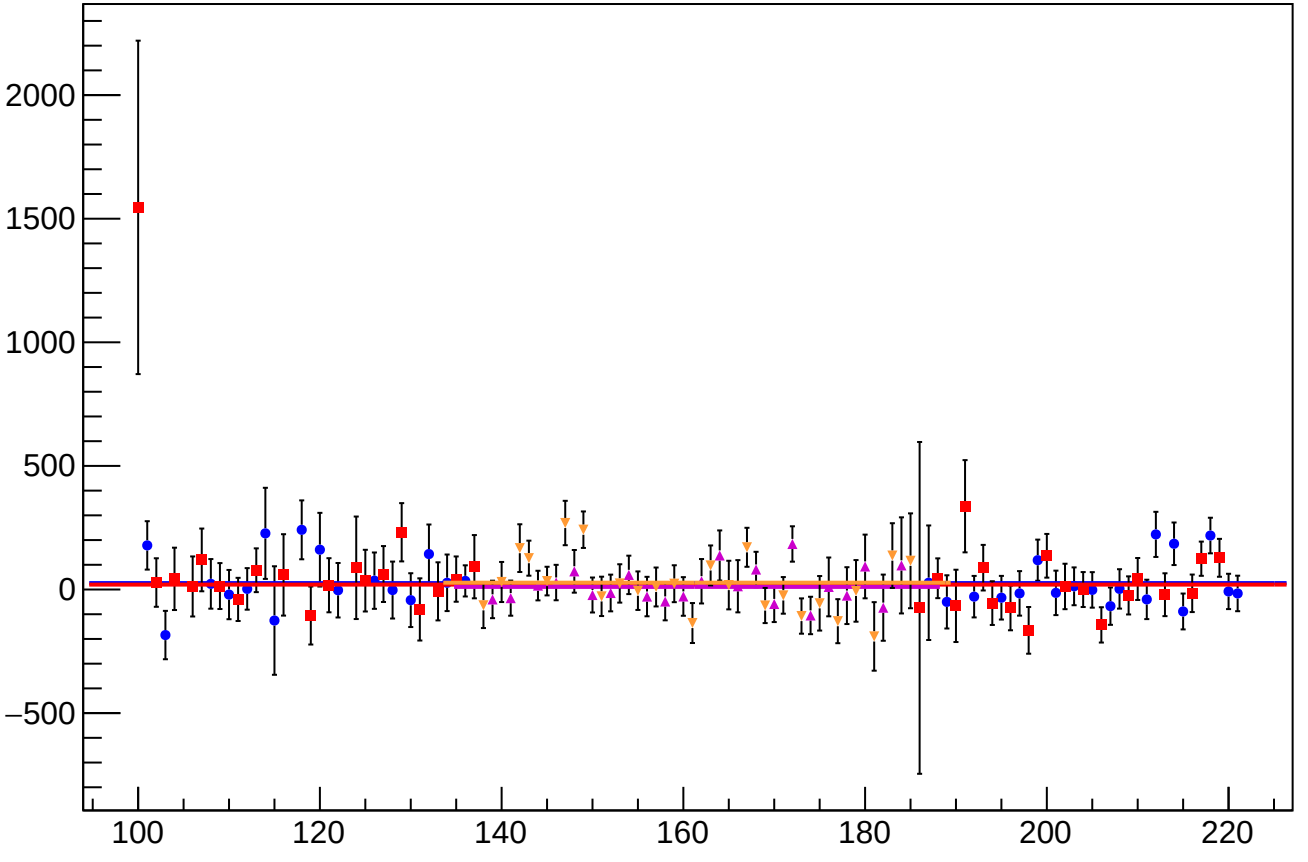
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 363.690+/-0.041 χ^2/NDF: 3166779.9/58

All: 361.531+/-0.029 χ^2/NDF: 6986803.5/118

- sign 359.315+/-0.041 χ^2/NDF: 3814379.5/59

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 25.903+/-15.651 χ^2/NDF: 38.4/33

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 19.846+/-16.293 χ^2/NDF: 34.2/36

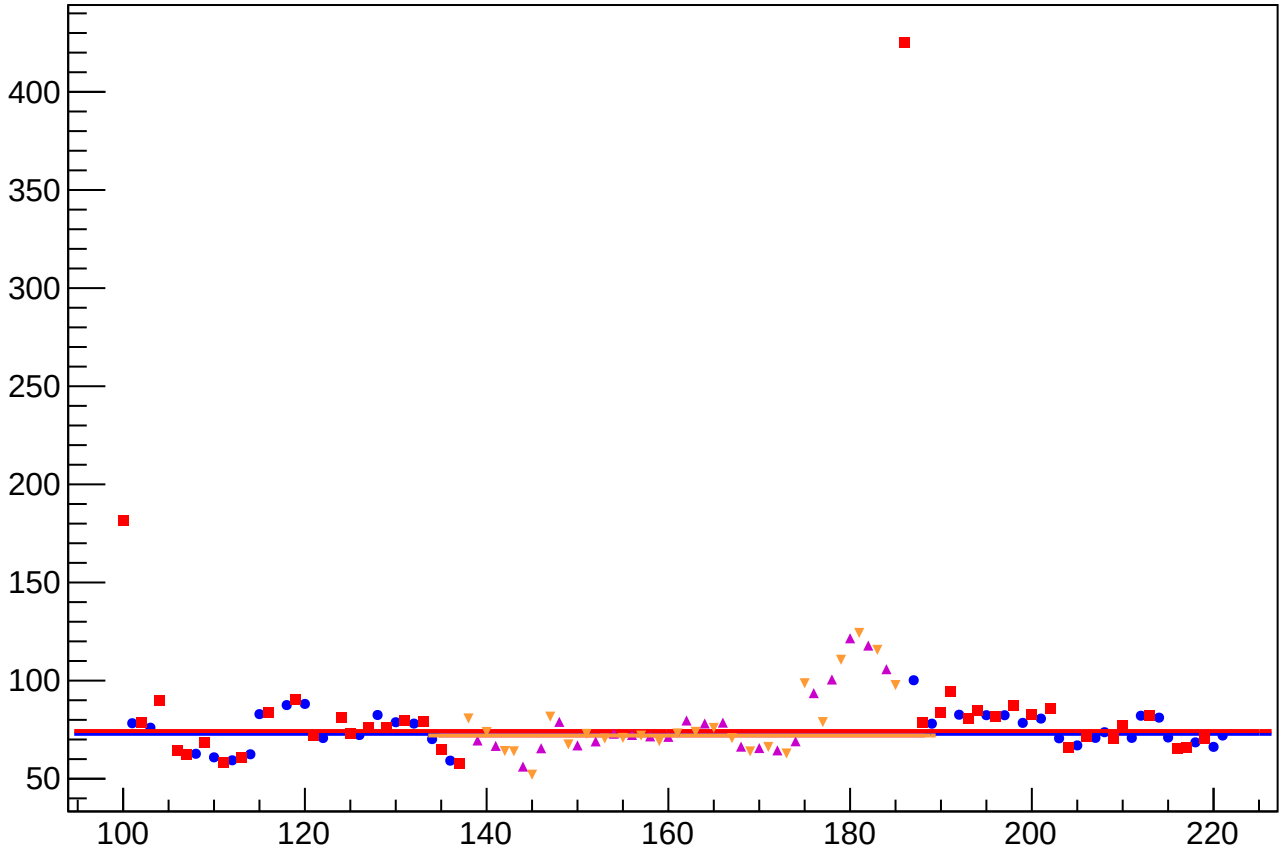
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.707+/-11.433 χ^2/NDF: 80.8/58

All: 21.270+/-8.223 χ^2/NDF: 131.6/118

- sign 15.443+/-11.836 χ^2/NDF: 50.4/59

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.901+/-0.011 χ^2/NDF: 502264.9/33

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.8/36

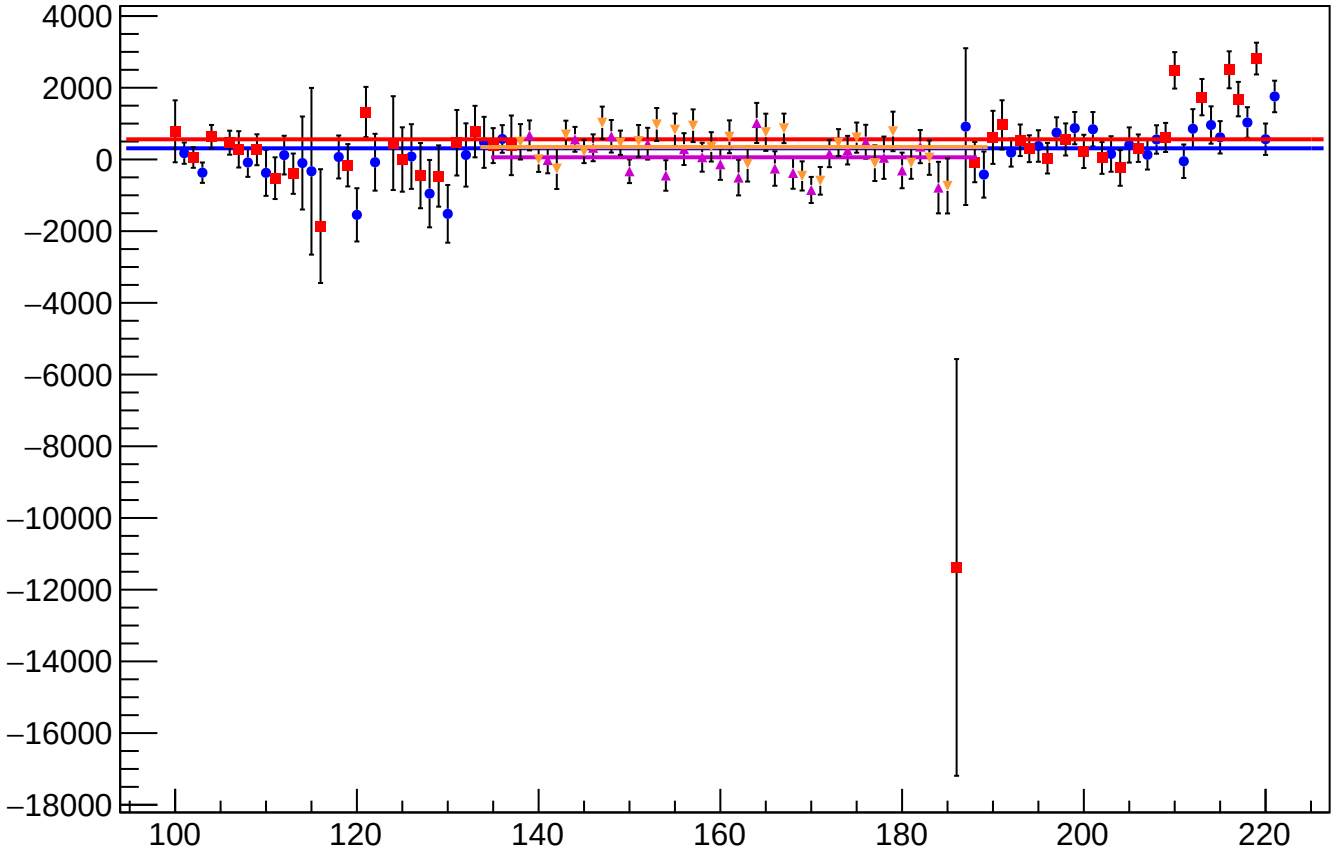
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.500+/-0.008 χ^2/NDF: 1774557.5/58

All: 72.866+/-0.006 χ^2/NDF: 4043690.4/118

- sign 73.259+/-0.008 χ^2/NDF: 2264882.2/59

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 310.691+/-84.940 χ^2/NDF: 46.2/33

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 561.802+/-83.520 χ^2/NDF: 96.8/36

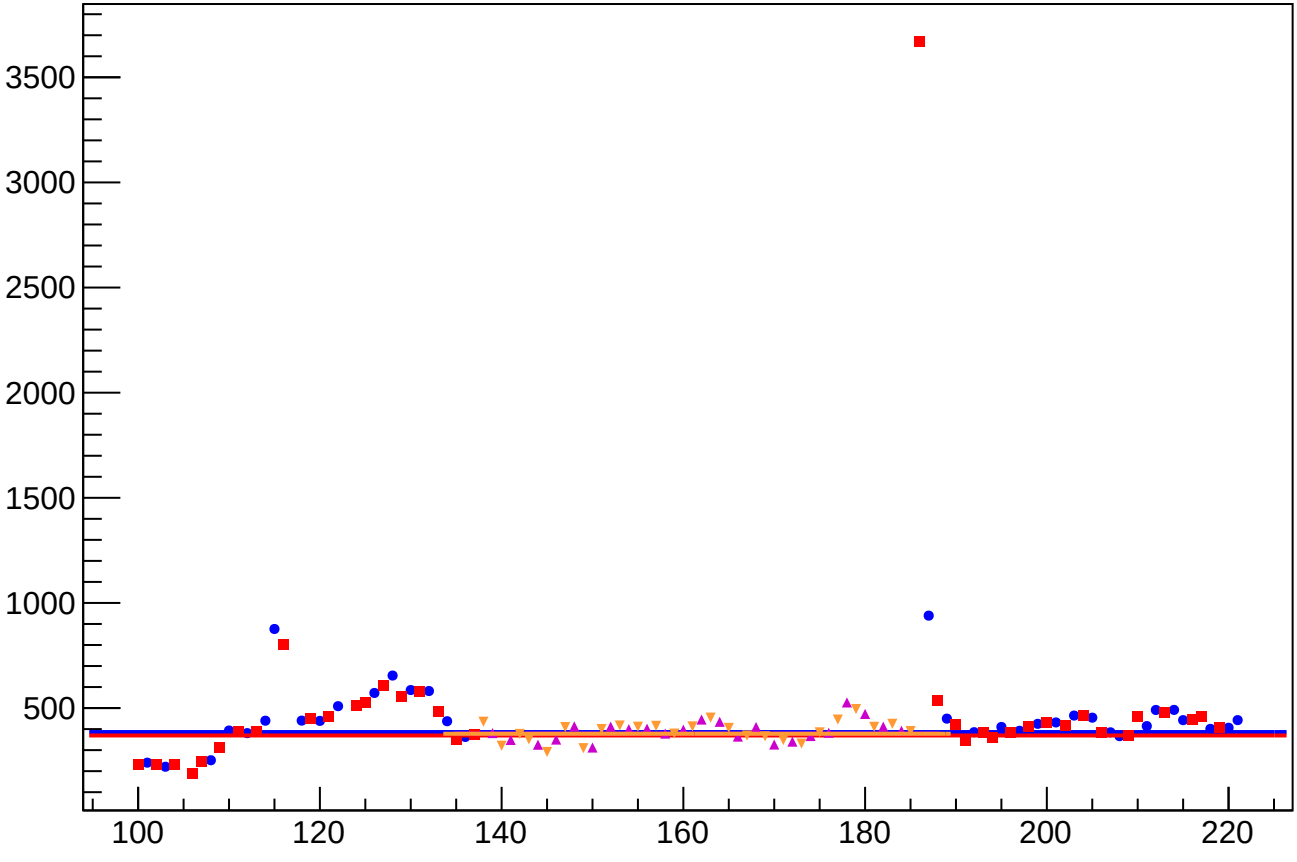
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 327.946+/-60.716 χ^2/NDF: 75.2/58

All: 327.940+/-43.045 χ^2/NDF: 214.7/118

- sign 327.935+/-61.034 χ^2/NDF: 139.4/59

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 385.971+/-0.060 χ^2/NDF: 2547848.0/33

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597590.8/36

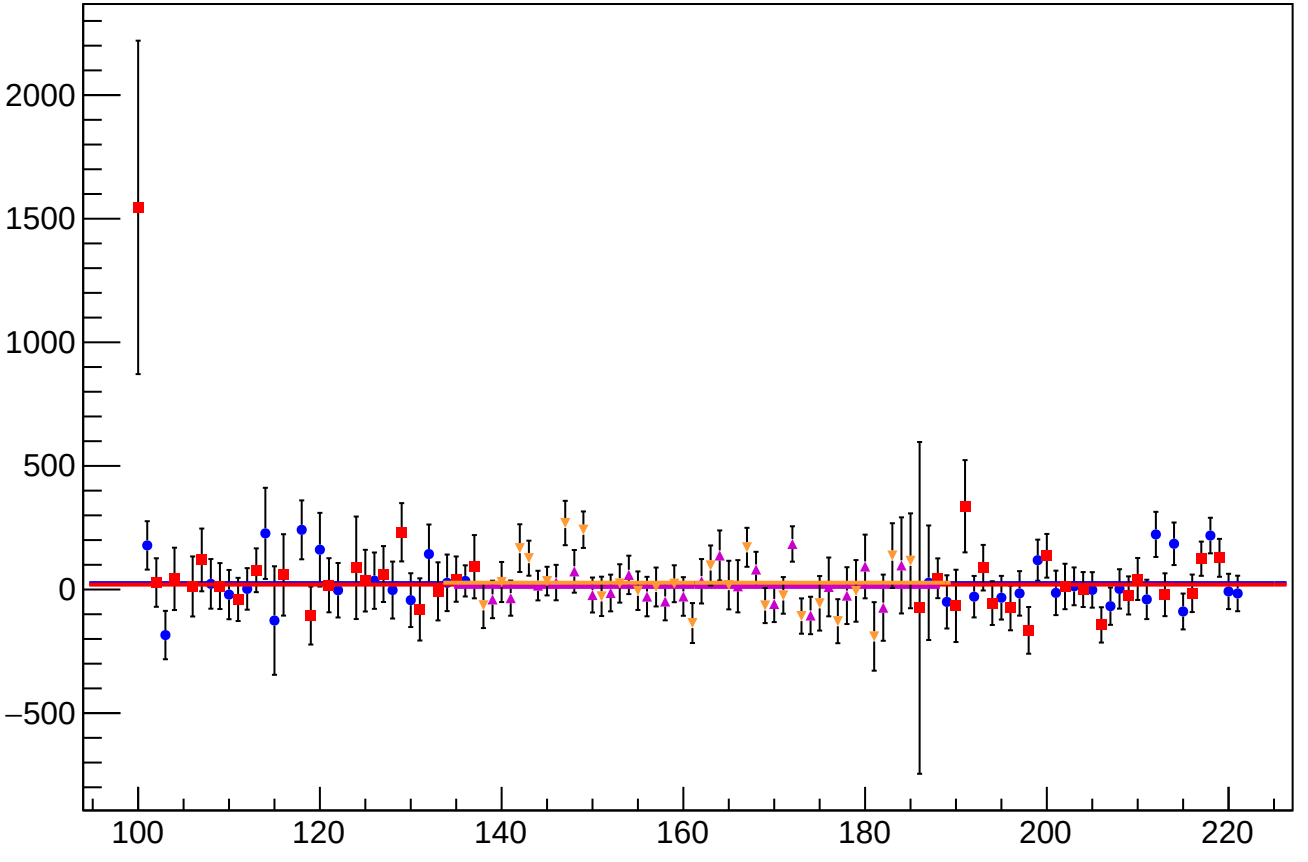
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 381.973+/-0.043 χ^2/NDF: 3193621.1/58

All: 377.982+/-0.030 χ^2/NDF: 7347612.4/118

- sign 373.949+/-0.043 χ^2/NDF: 4136616.3/59

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 25.902+/-15.651 χ^2/NDF: 38.4/33

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 19.845+/-16.293 χ^2/NDF: 34.2/36

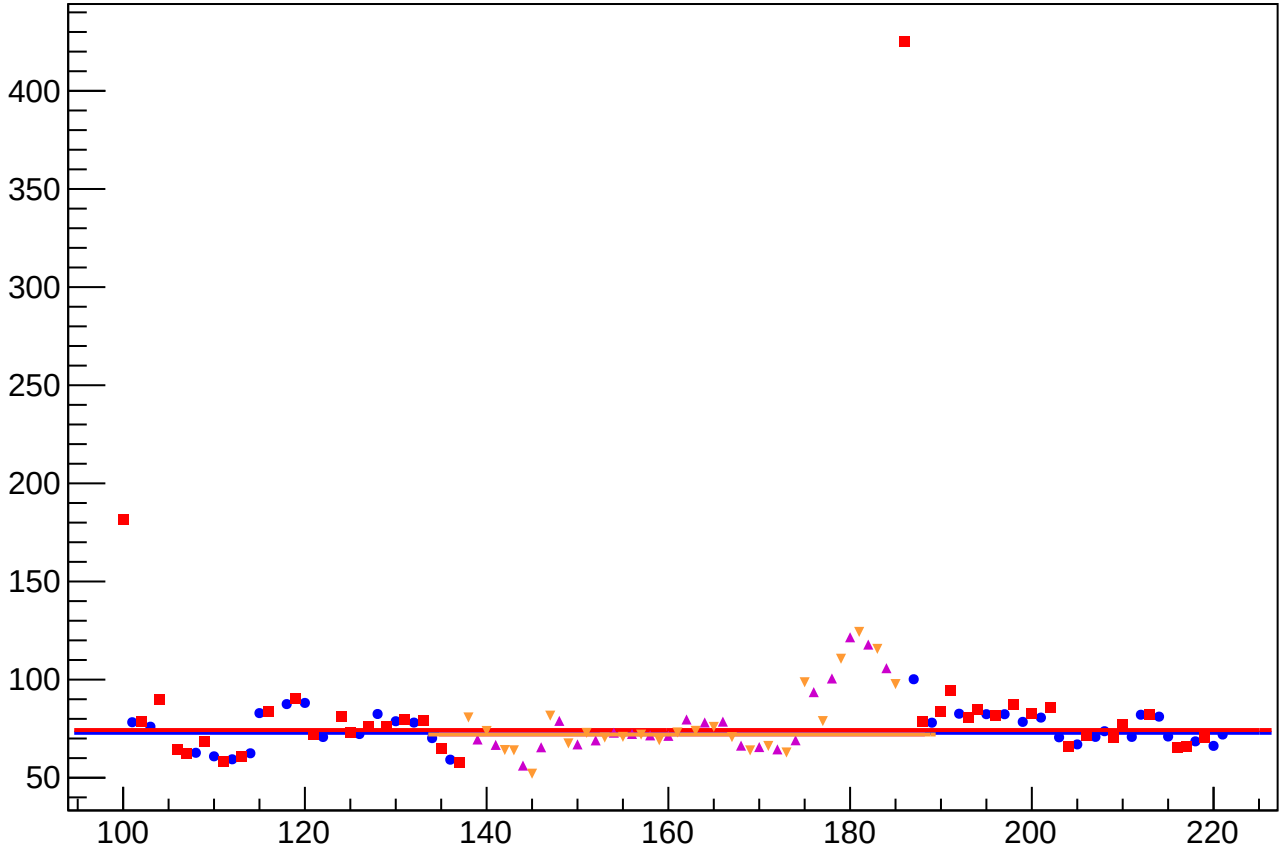
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.706+/-11.433 χ^2/NDF: 80.8/58

All: 21.269+/-8.223 χ^2/NDF: 131.6/118

- sign 15.442+/-11.836 χ^2/NDF: 50.4/59

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.901+/-0.011 χ^2/NDF: 502271.7/33

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

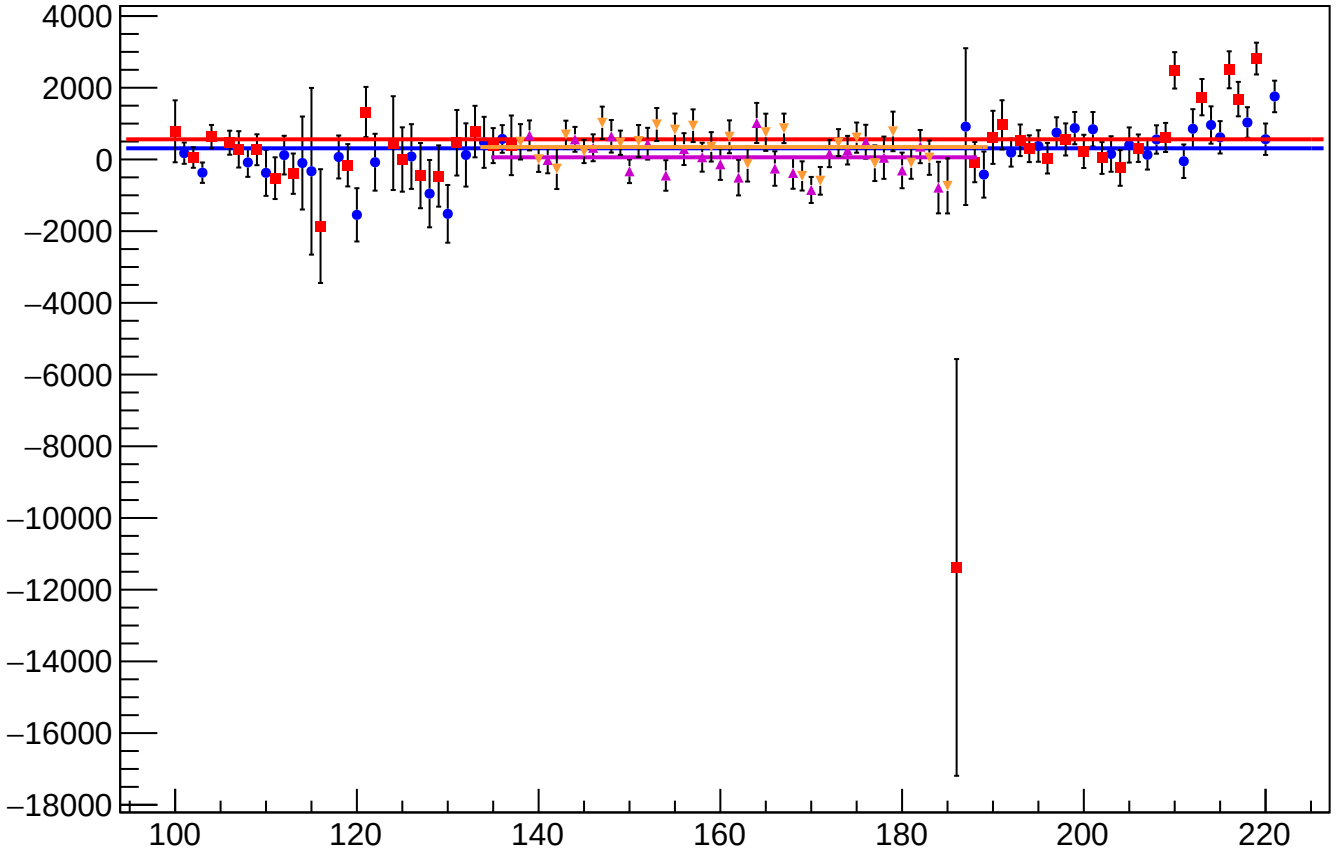
Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.6/36

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.500+/-0.008 χ^2/NDF: 1774570.1/58

All: 72.866+/-0.006 χ^2/NDF: 4043692.3/118

- sign 73.259+/-0.008 χ^2/NDF: 2264870.7/59



Right In: 310.691+/-84.940 χ^2/NDF: 46.2/33

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

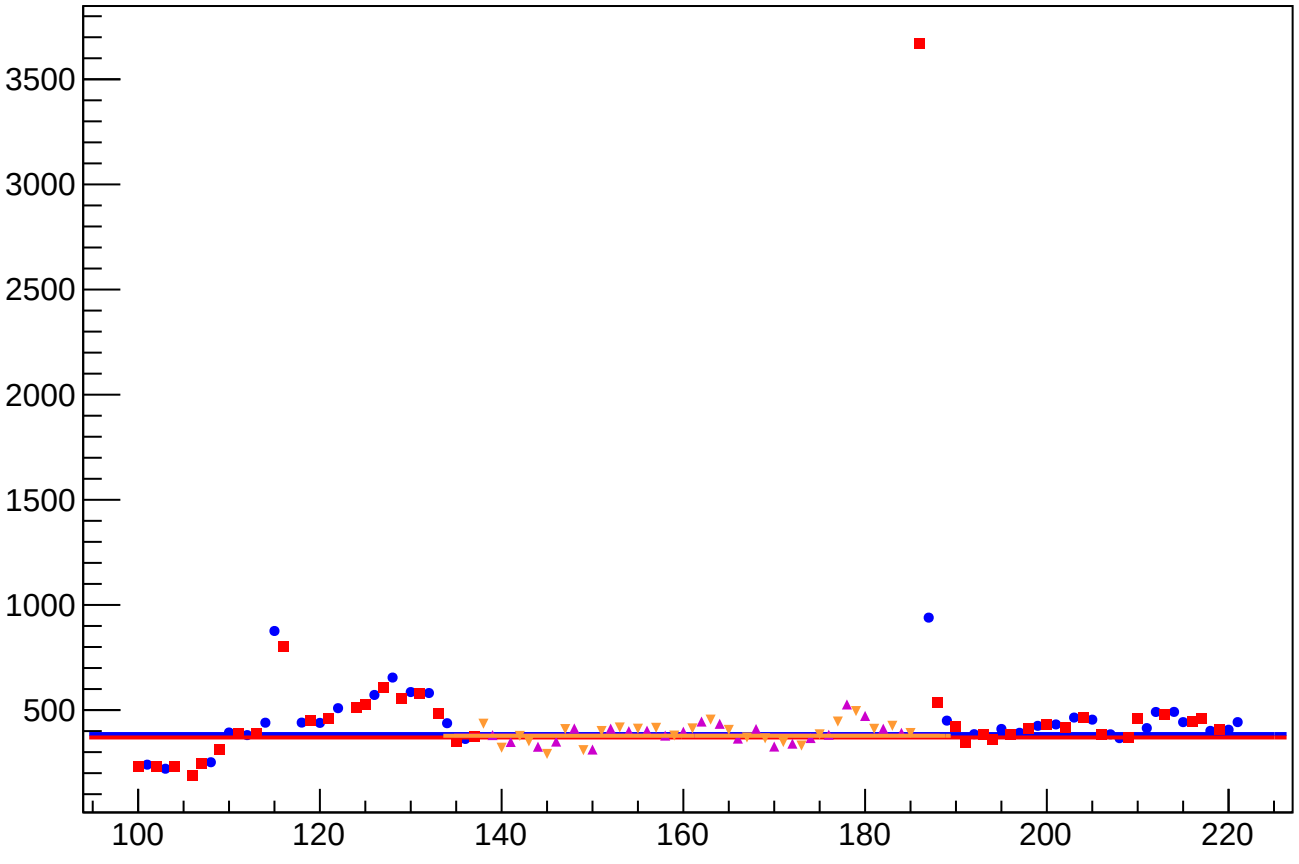
Right Out: 561.802+/-83.519 χ^2/NDF: 96.8/36

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 327.945+/-60.716 χ^2/NDF: 75.2/58

All: 327.940+/-43.045 χ^2/NDF: 214.7/118

- sign 327.935+/-61.034 χ^2/NDF: 139.4/59



Right In: 385.971+/-0.060 χ^2/NDF: 2547829.7/33

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597574.7/36

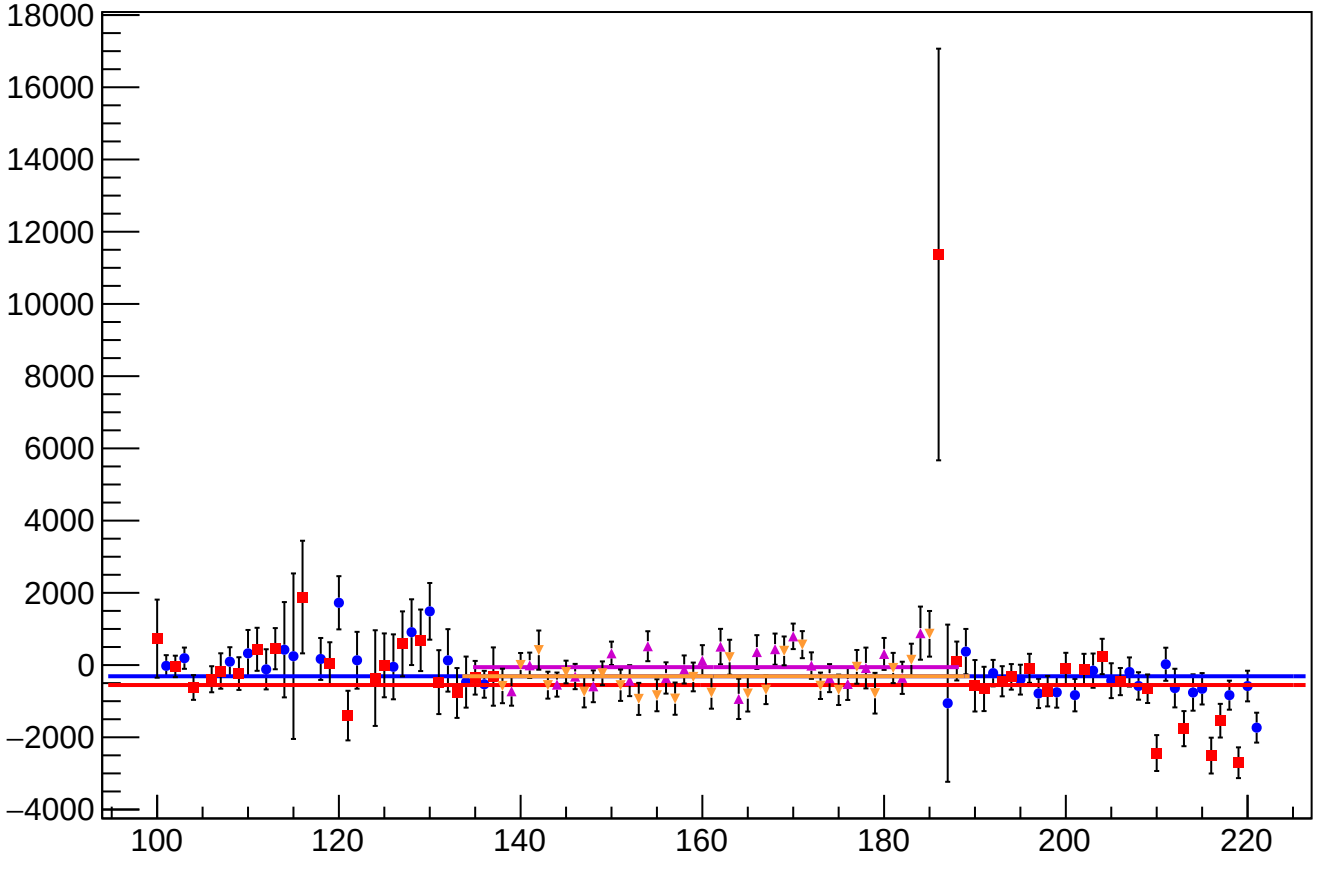
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 381.973+/-0.043 χ^2/NDF: 3193603.3/58

All: 377.982+/-0.030 χ^2/NDF: 7347574.1/118

- sign 373.949+/-0.043 χ^2/NDF: 4136595.8/59

asym_sam_37_48_dd_mean vs Slug



Right In: -309.844+/-82.769 χ^2/NDF: 44.9/33

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -552.690+/-82.466 χ^2/NDF: 99.9/36

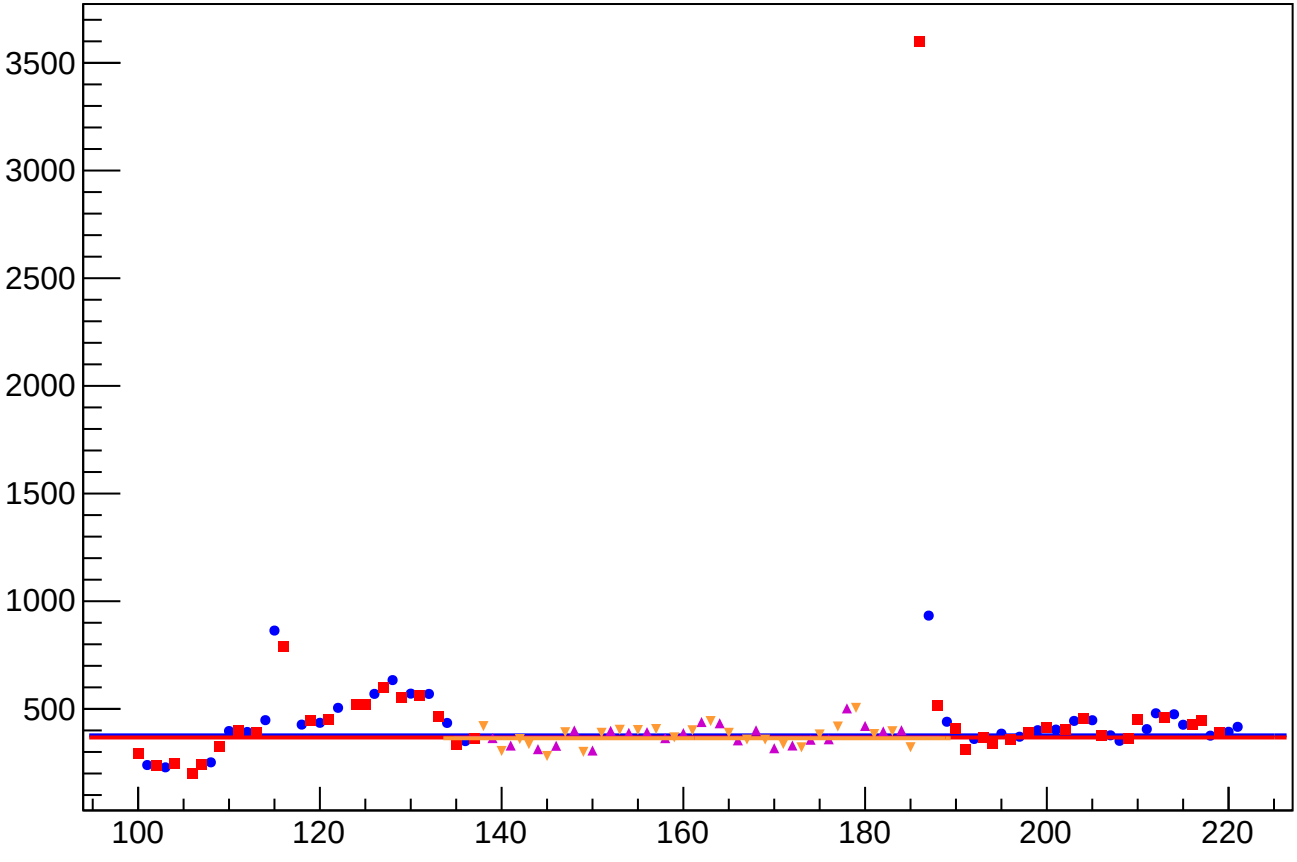
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -309.590+/-58.855 χ^2/NDF: 74.9/58

All: -312.825+/-41.877 χ^2/NDF: 220.1/118

- sign -316.143+/-59.597 χ^2/NDF: 145.2/59

asym_sam_37_48_dd_rms vs Slug



Right In: 377.063+/-0.059 χ^2/NDF: 2274686.7/33

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

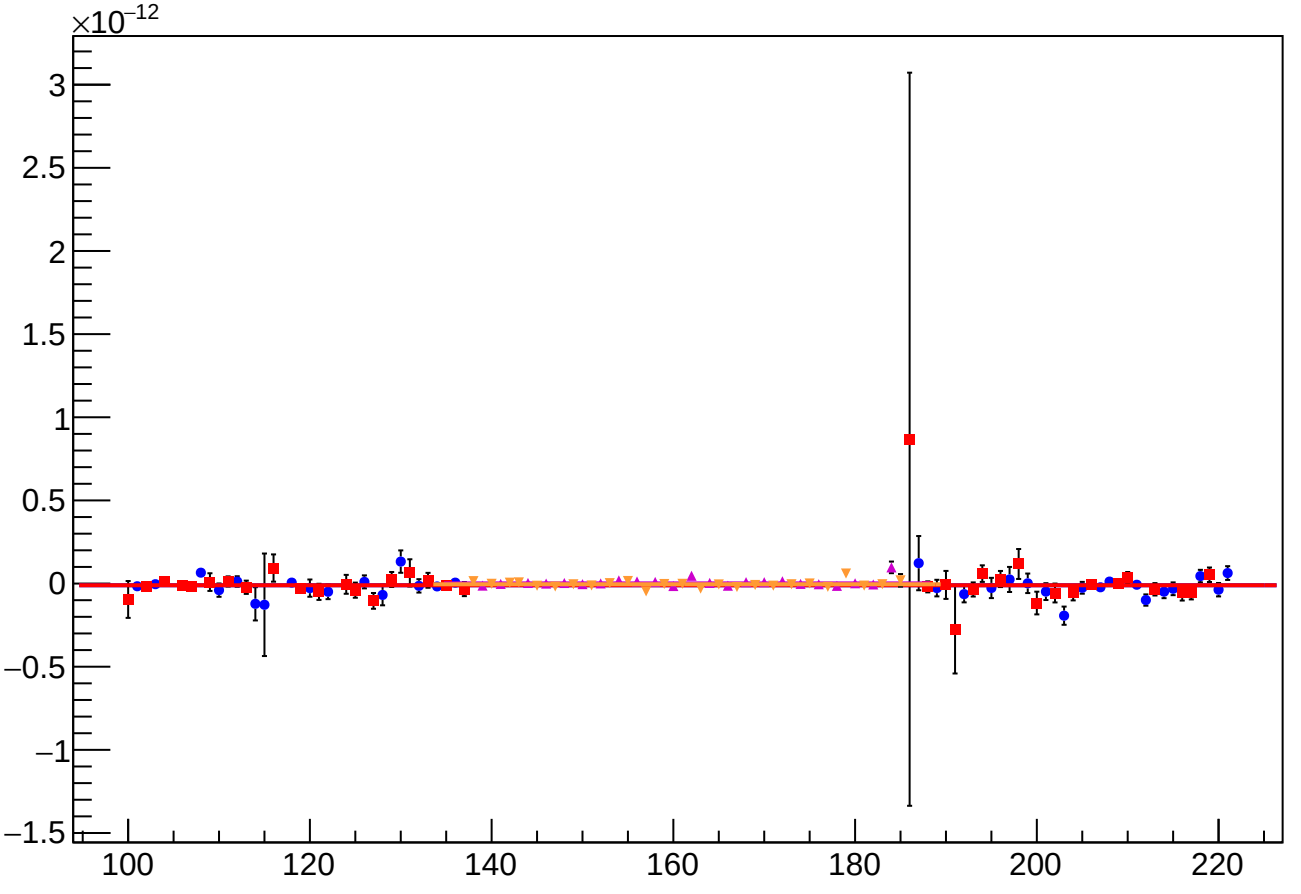
Right Out: 367.239+/-0.058 χ^2/NDF: 3064551.5/36

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 370.464+/-0.042 χ^2/NDF: 2969651.7/58

All: 368.420+/-0.030 χ^2/NDF: 6549100.6/118

- sign 366.324+/-0.042 χ^2/NDF: 3574563.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

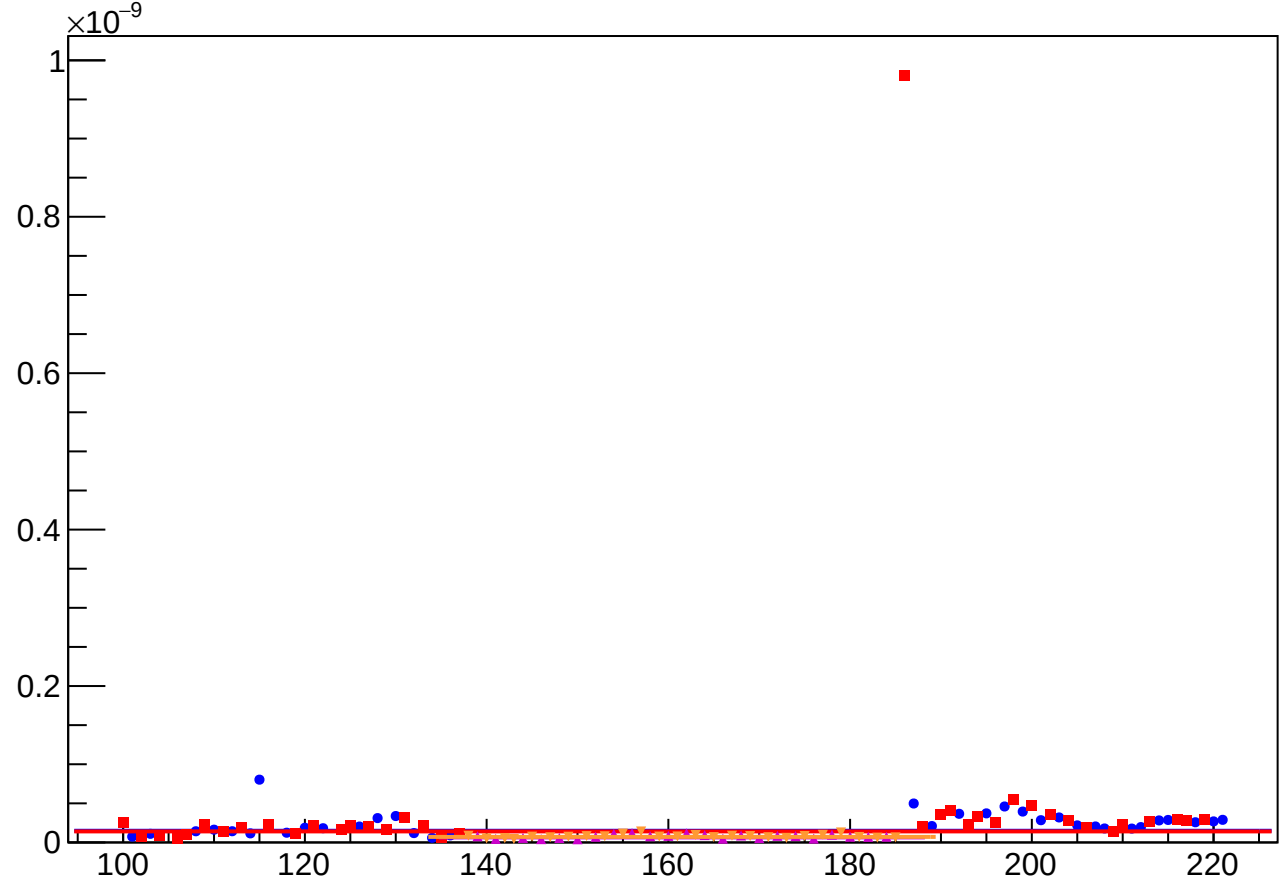
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/36

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/58

All: -0.000+/-0.000 χ^2/NDF: 126.0/118

- sign -0.000+/-0.000 χ^2/NDF: 55.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 5235998.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5821503.0/36

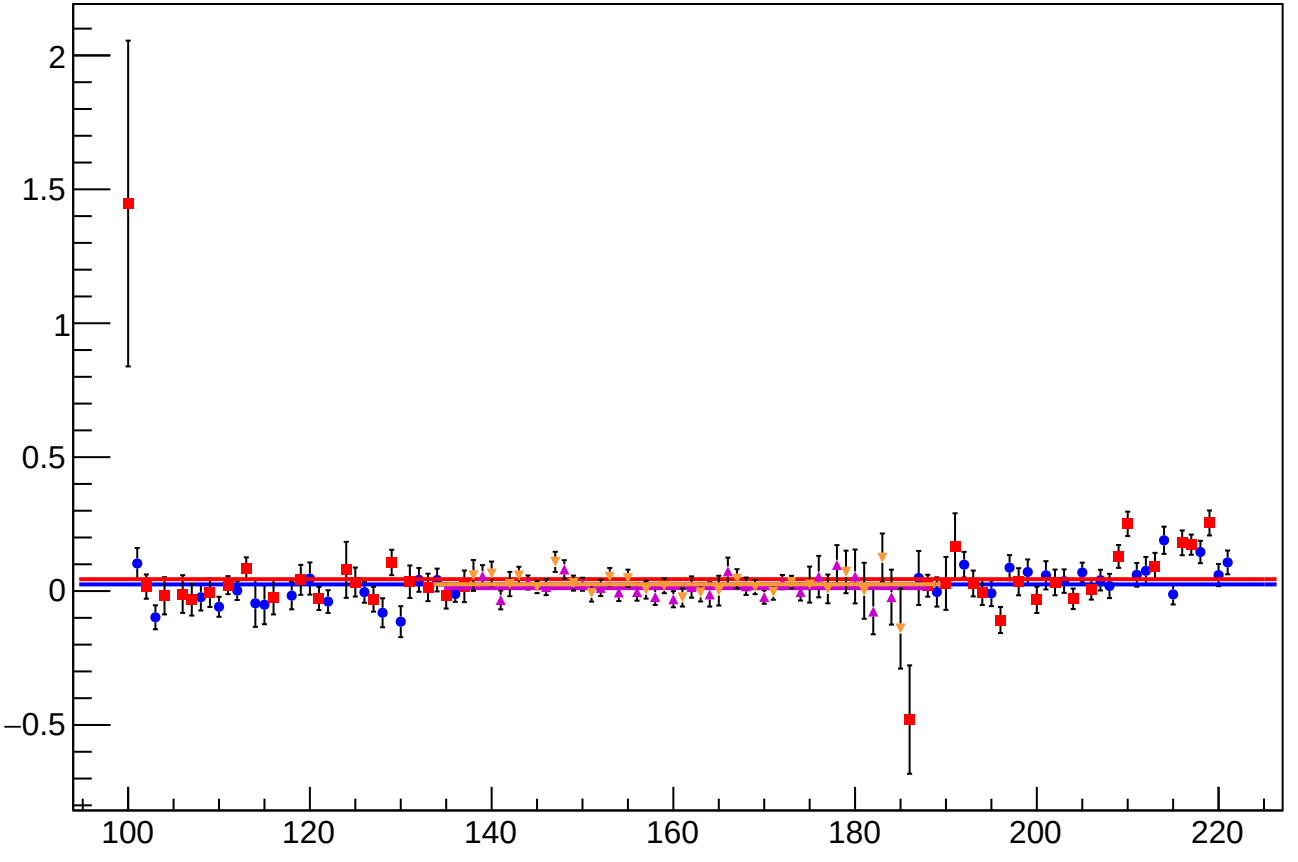
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9512081.5/58

All: 0.000+/-0.000 χ^2/NDF: 19934898.6/118

- sign 0.000+/-0.000 χ^2/NDF: 10326688.5/59

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

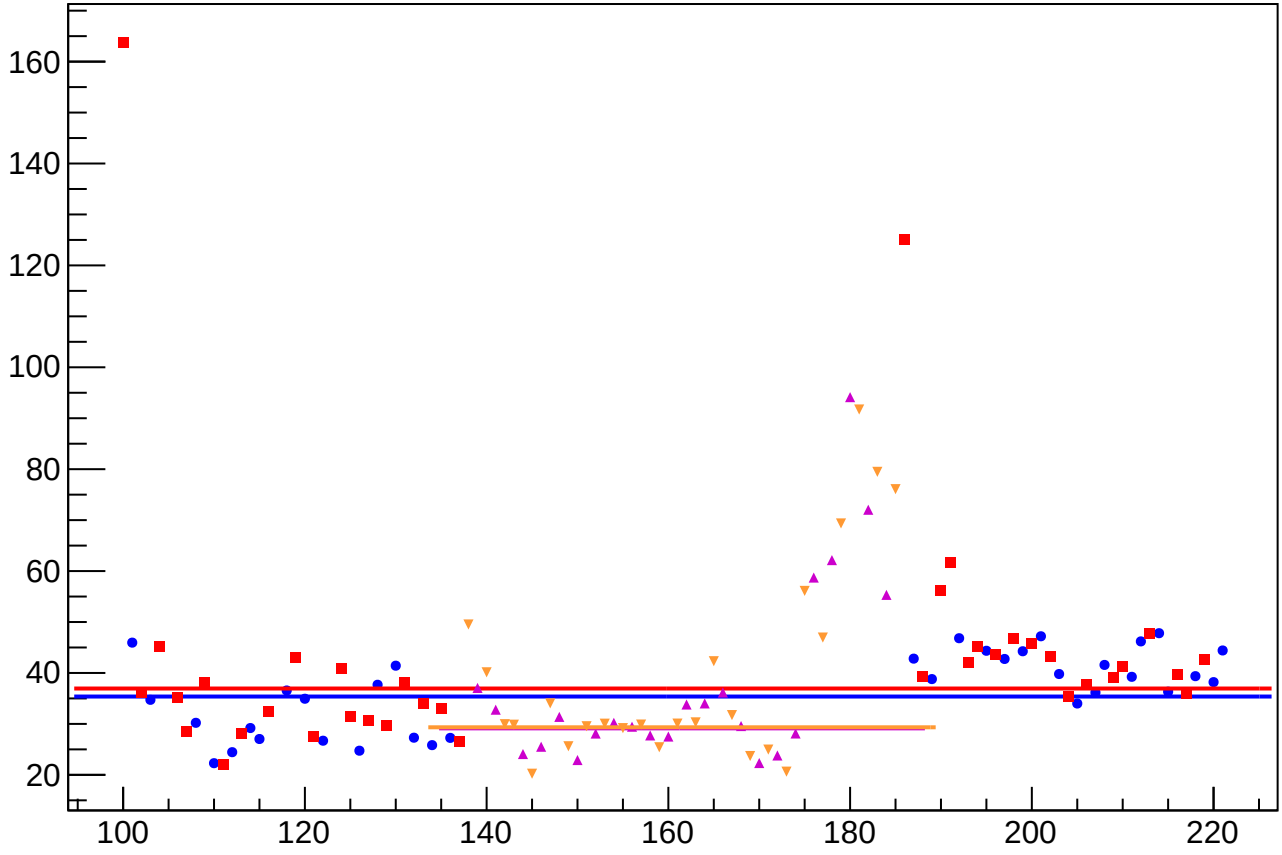
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.025+/-0.004 χ^2/NDF: 225.6/118

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.373+/-0.006 χ^2/NDF: 1959876.5/33

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

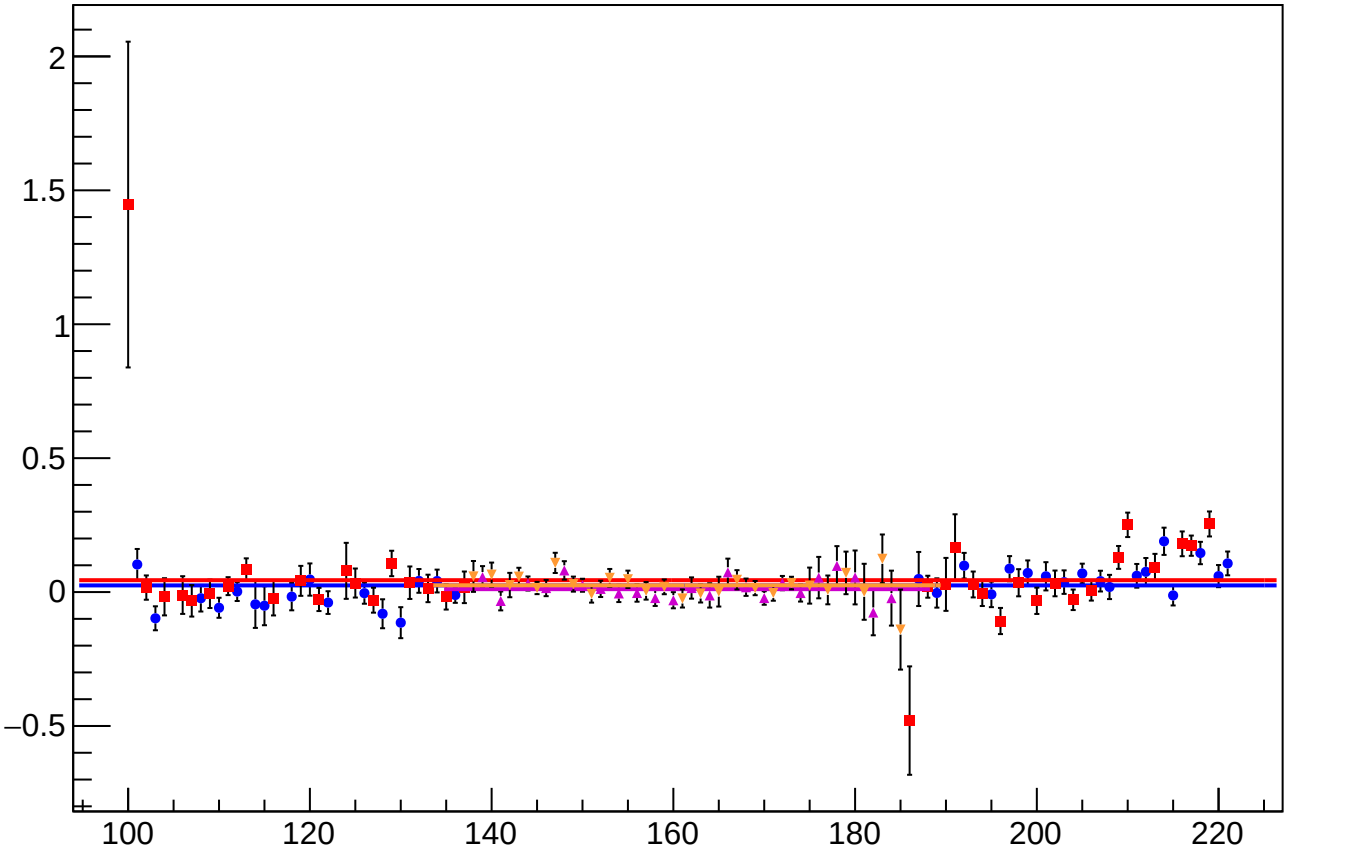
Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 32.102+/-0.004 χ^2/NDF: 6483106.4/58

All: 32.315+/-0.003 χ^2/NDF: 12288453.1/118

- sign 32.543+/-0.004 χ^2/NDF: 5798609.4/59



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

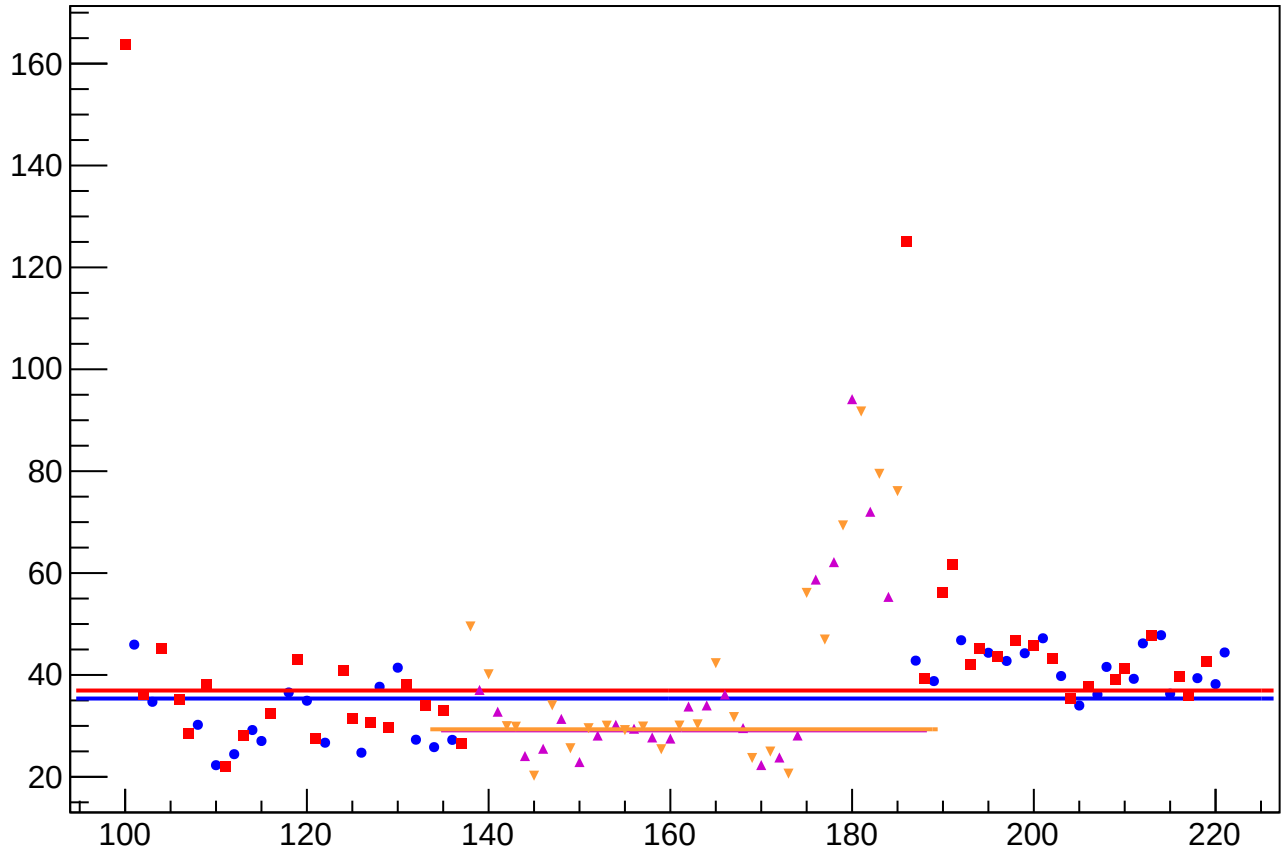
Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.025+/-0.004 χ^2/NDF: 225.6/118

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59



Right In: 35.373+/-0.006 χ^2/NDF: 1959876.5/33

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

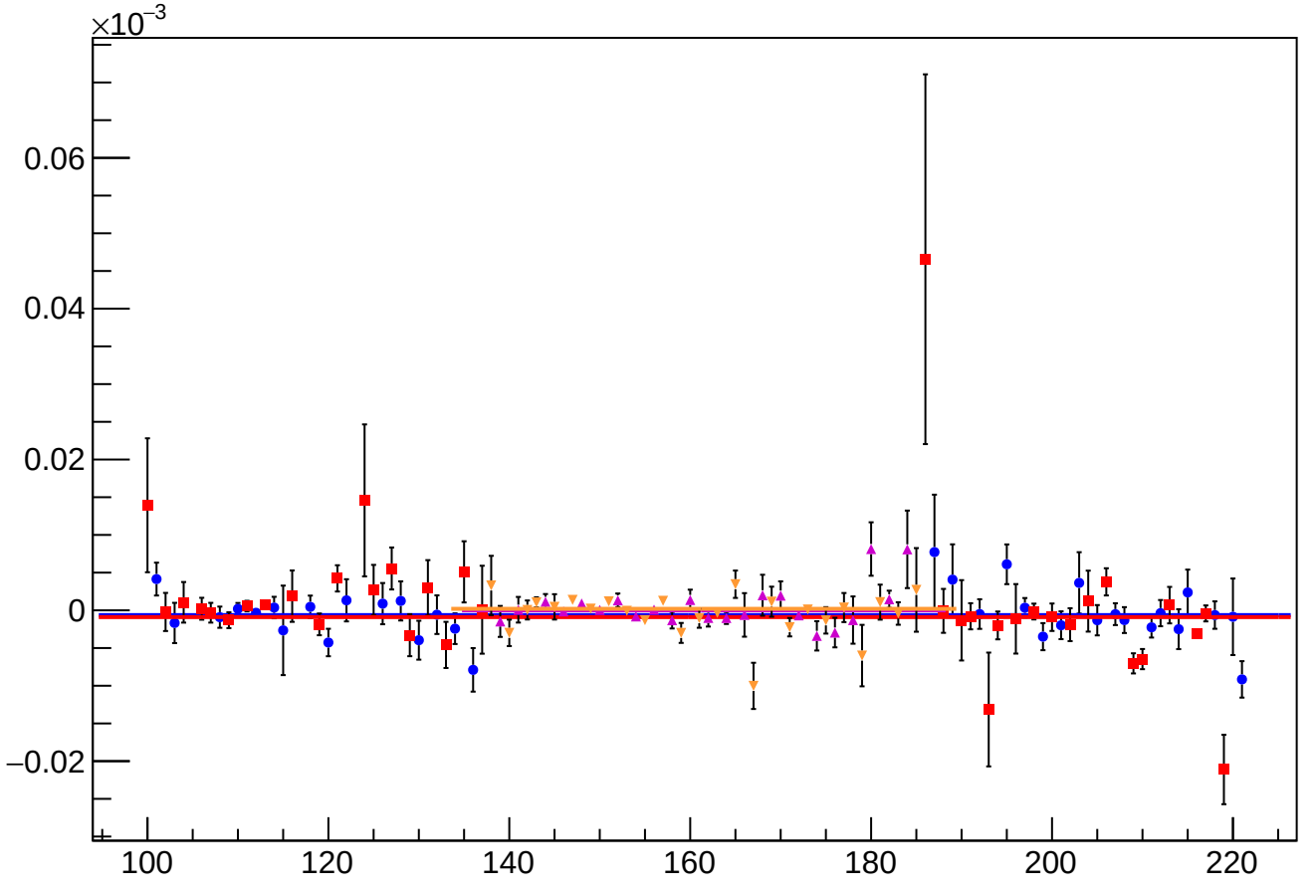
Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 32.102+/-0.004 χ^2/NDF: 6483106.4/58

All: 32.315+/-0.003 χ^2/NDF: 12288453.1/118

- sign 32.543+/-0.004 χ^2/NDF: 5798609.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 50.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 123.6/36

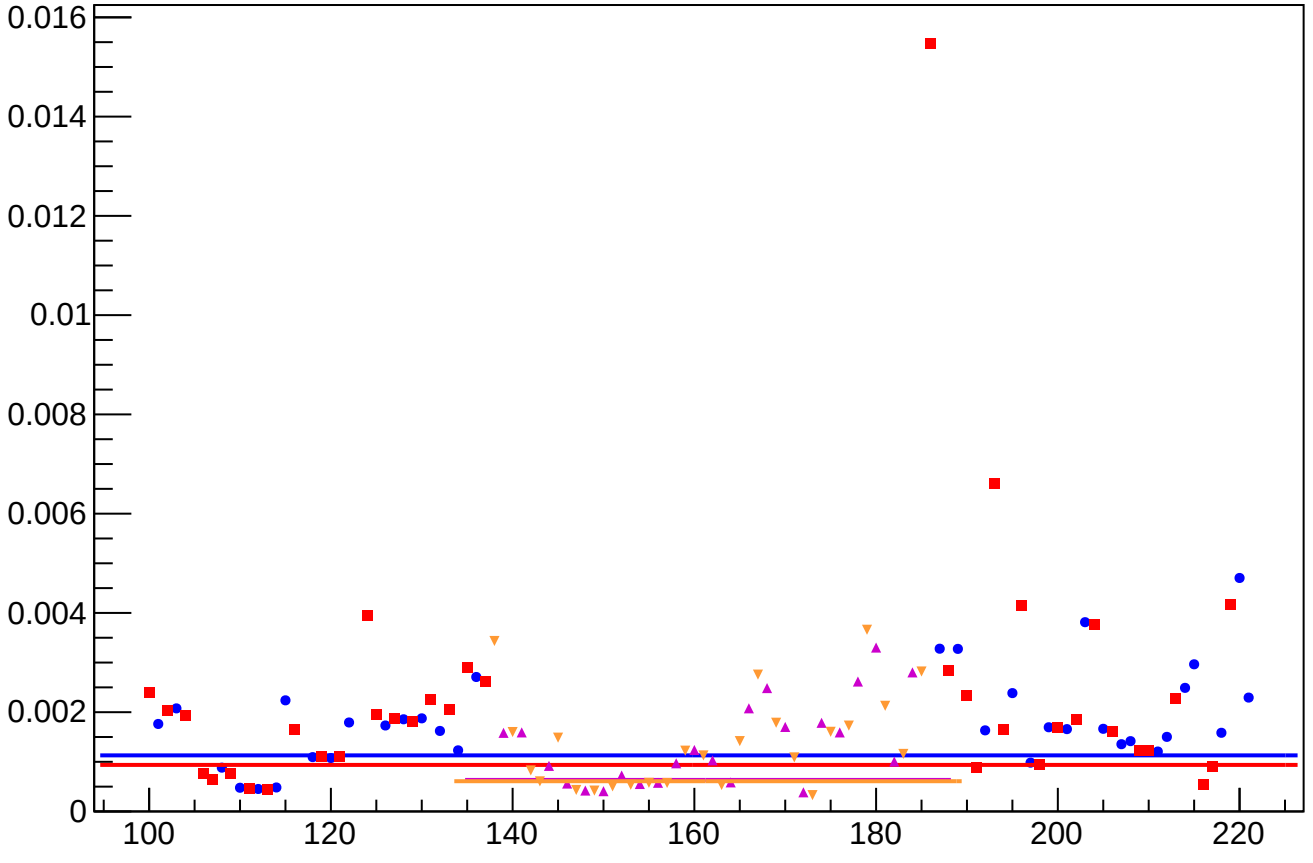
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

\+ sign -0.000+/-0.000 χ^2/NDF: 109.4/58

All: -0.000+/-0.000 χ^2/NDF: 276.2/118

\- sign -0.000+/-0.000 χ^2/NDF: 164.8/59

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11420583.3/33

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

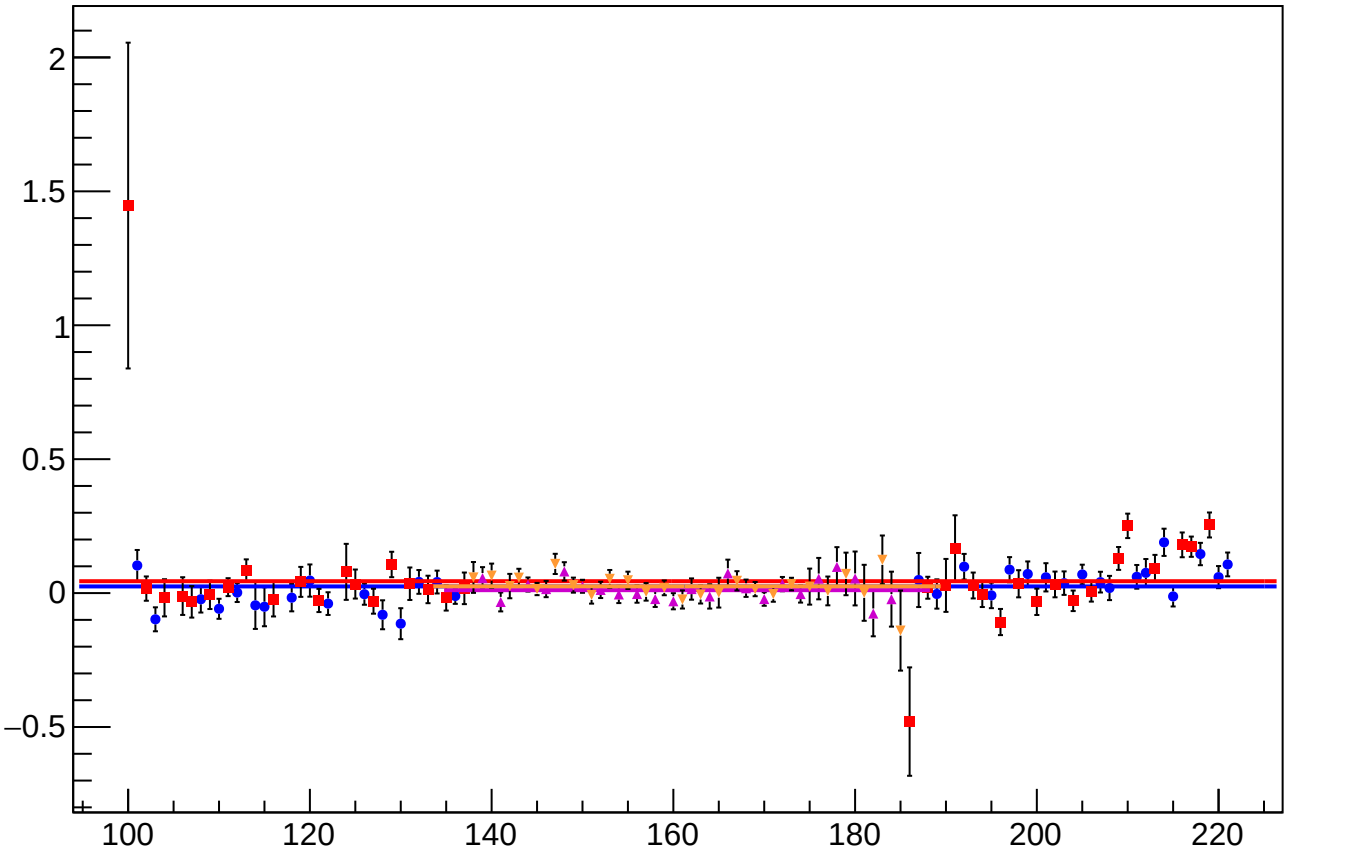
Right Out: 0.001+/-0.000 χ^2/NDF: 13611326.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 27155456.2/58

All: 0.001+/-0.000 χ^2/NDF: 52026440.5/118

- sign 0.001+/-0.000 χ^2/NDF: 24870856.7/59



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

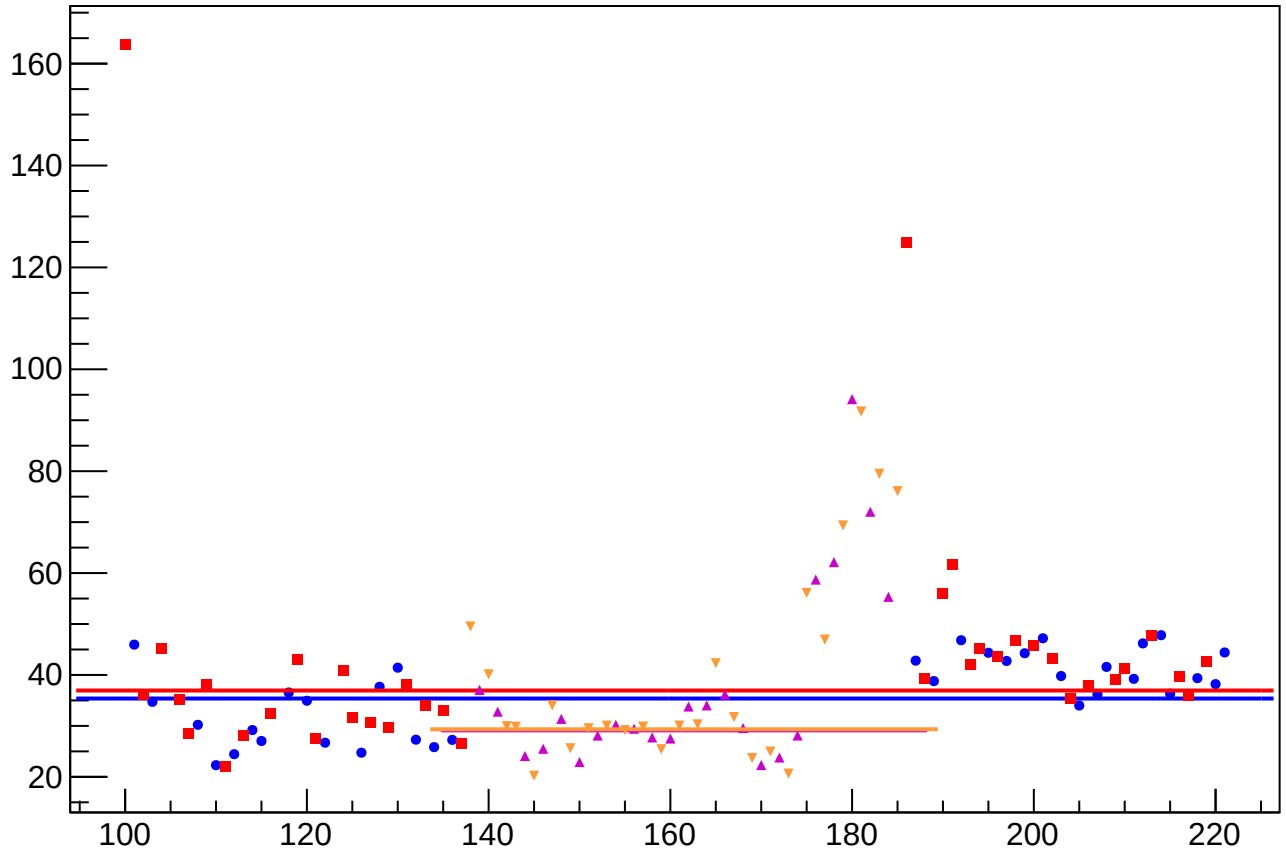
Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.025+/-0.004 χ^2/NDF: 225.6/118

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59



Right In: 35.373+/-0.006 χ^2/NDF: 1959719.8/33

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

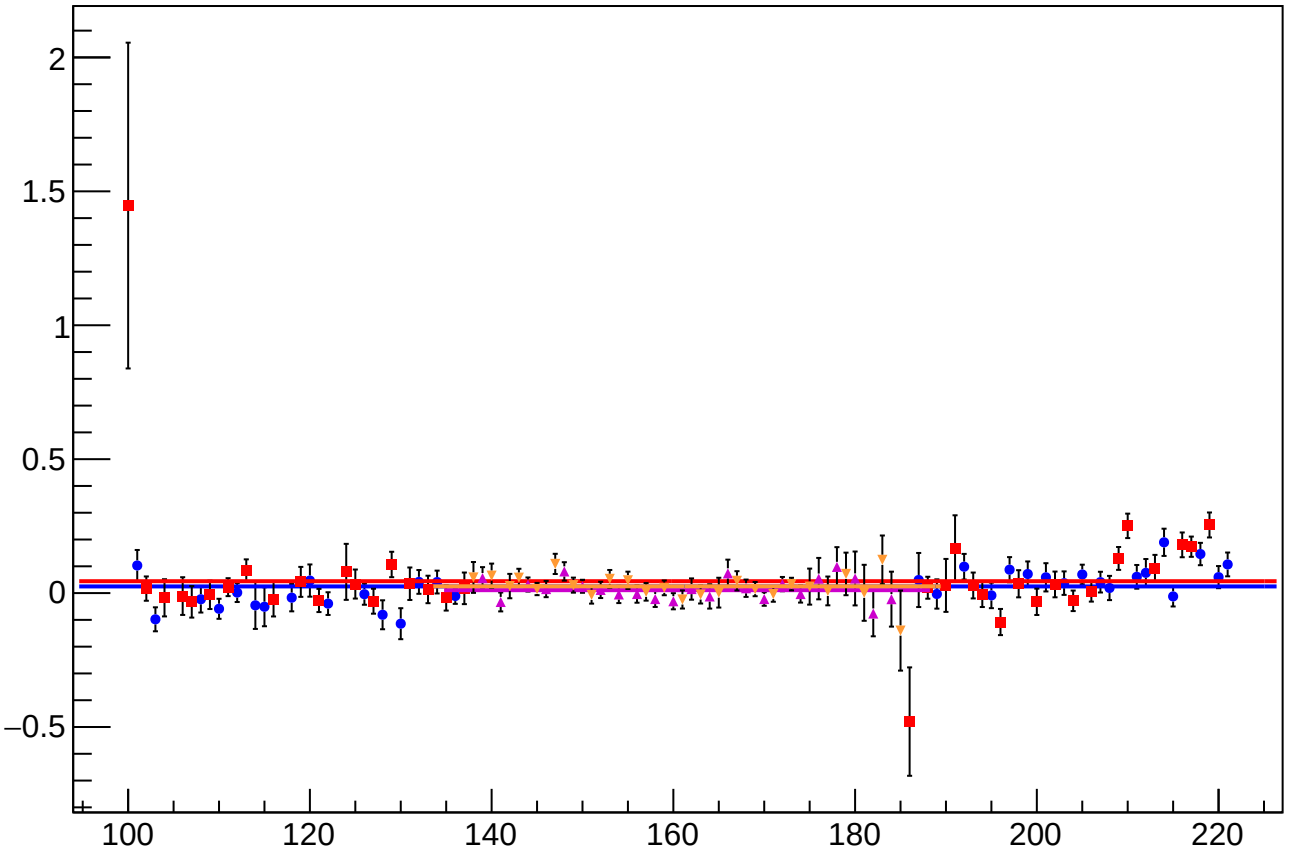
Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 32.101+/-0.004 χ^2/NDF: 6483019.7/58

All: 32.314+/-0.003 χ^2/NDF: 12288218.5/118

- sign 32.543+/-0.004 χ^2/NDF: 5798458.7/59



Right In: 0.025+/-0.008 χ^2/NDF: 66.2/33

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

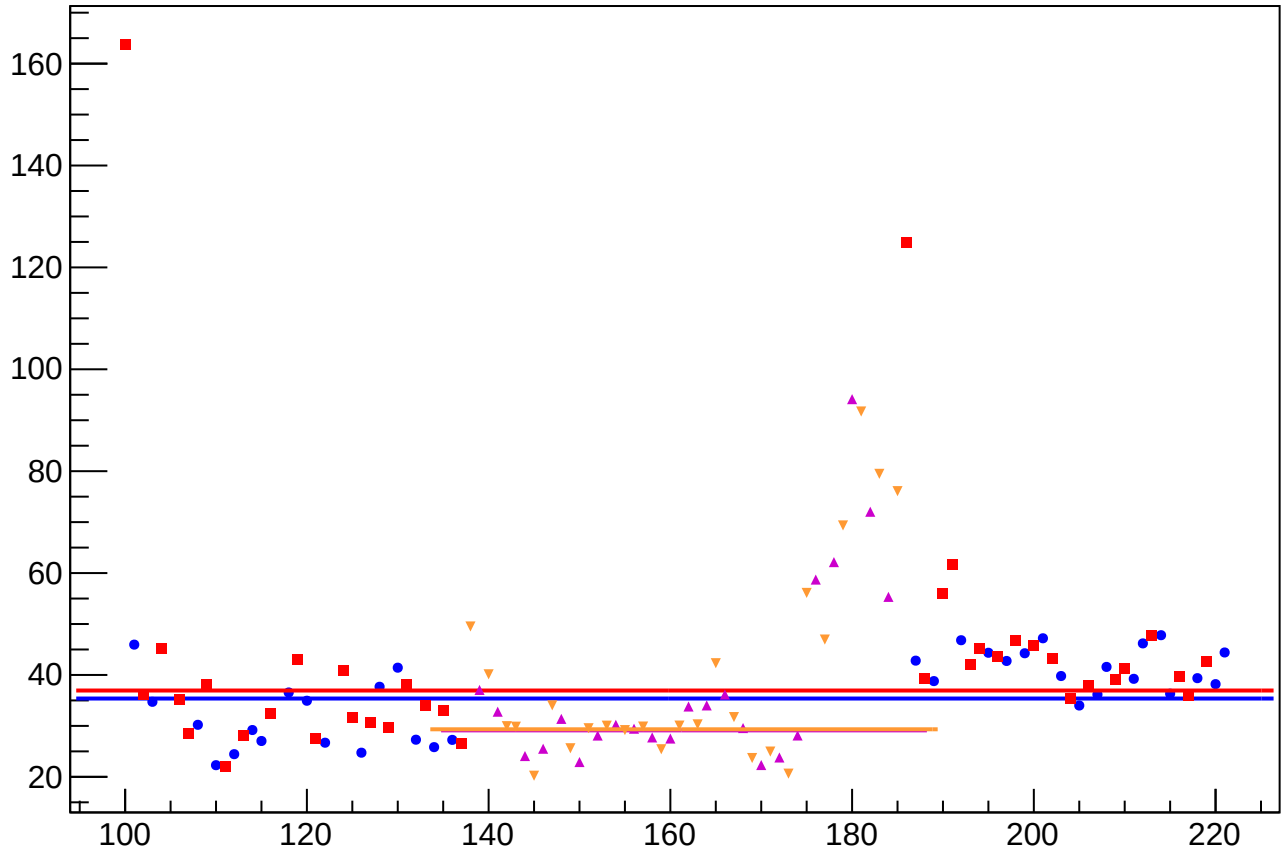
Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.025+/-0.005 χ^2/NDF: 83.6/58

All: 0.025+/-0.004 χ^2/NDF: 225.6/118

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59



Right In: 35.373+/-0.006 χ^2/NDF: 1959719.8/33

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

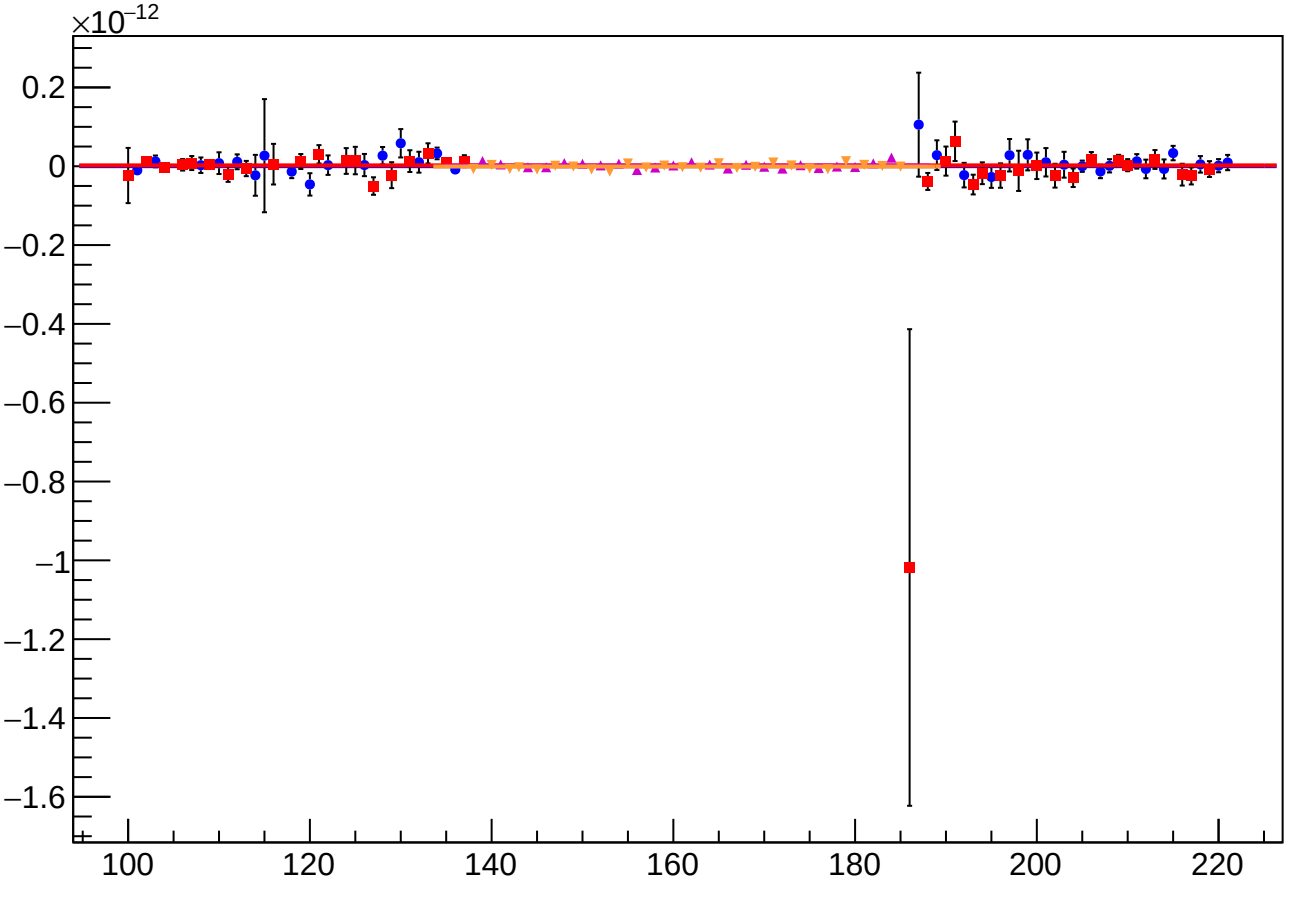
Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 32.101+/-0.004 χ^2/NDF: 6483019.7/58

All: 32.314+/-0.003 χ^2/NDF: 12288218.5/118

- sign 32.543+/-0.004 χ^2/NDF: 5798458.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

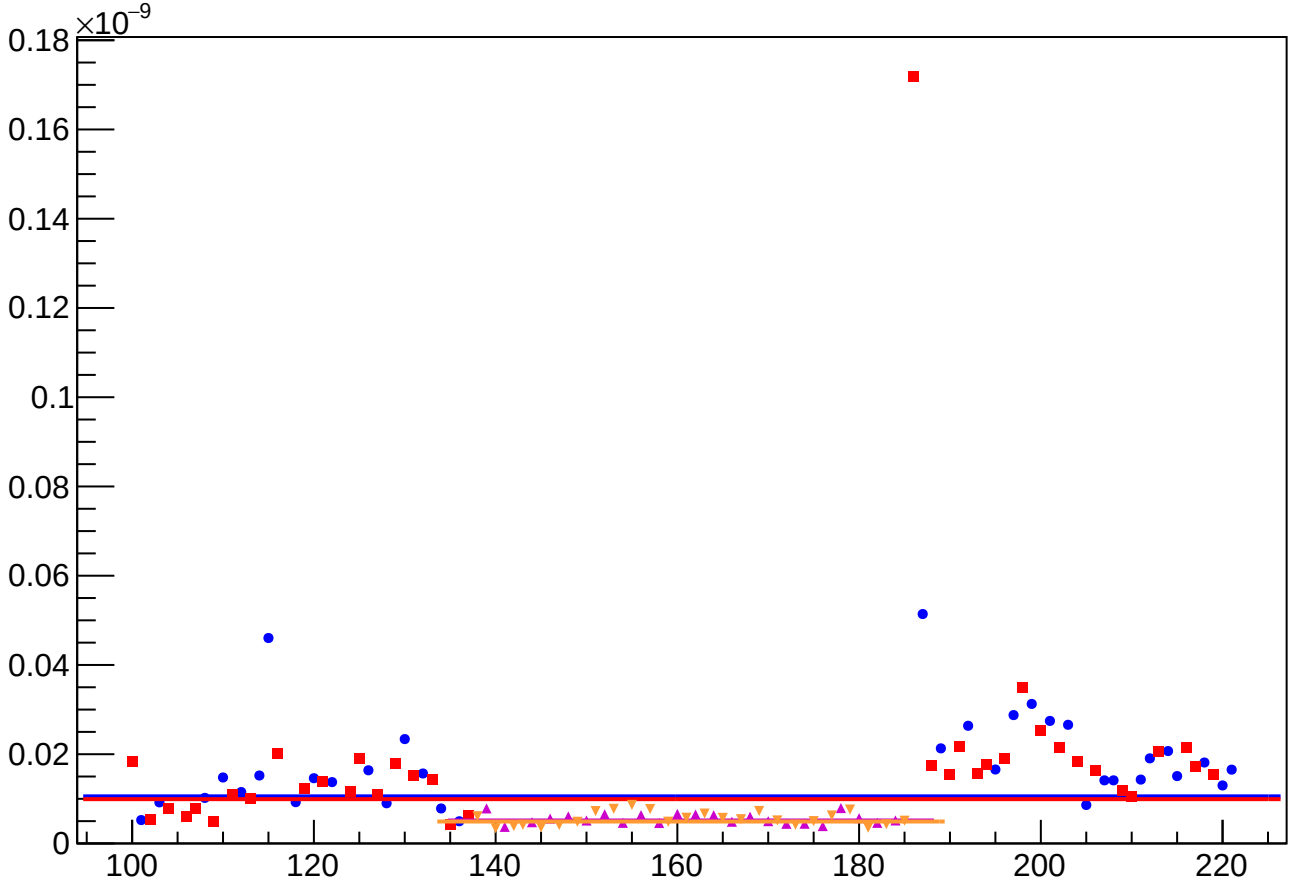
Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/36

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/58

All: 0.000+/-0.000 χ^2/NDF: 93.0/118

- sign 0.000+/-0.000 χ^2/NDF: 50.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 7560425.3/33

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6922849.9/36

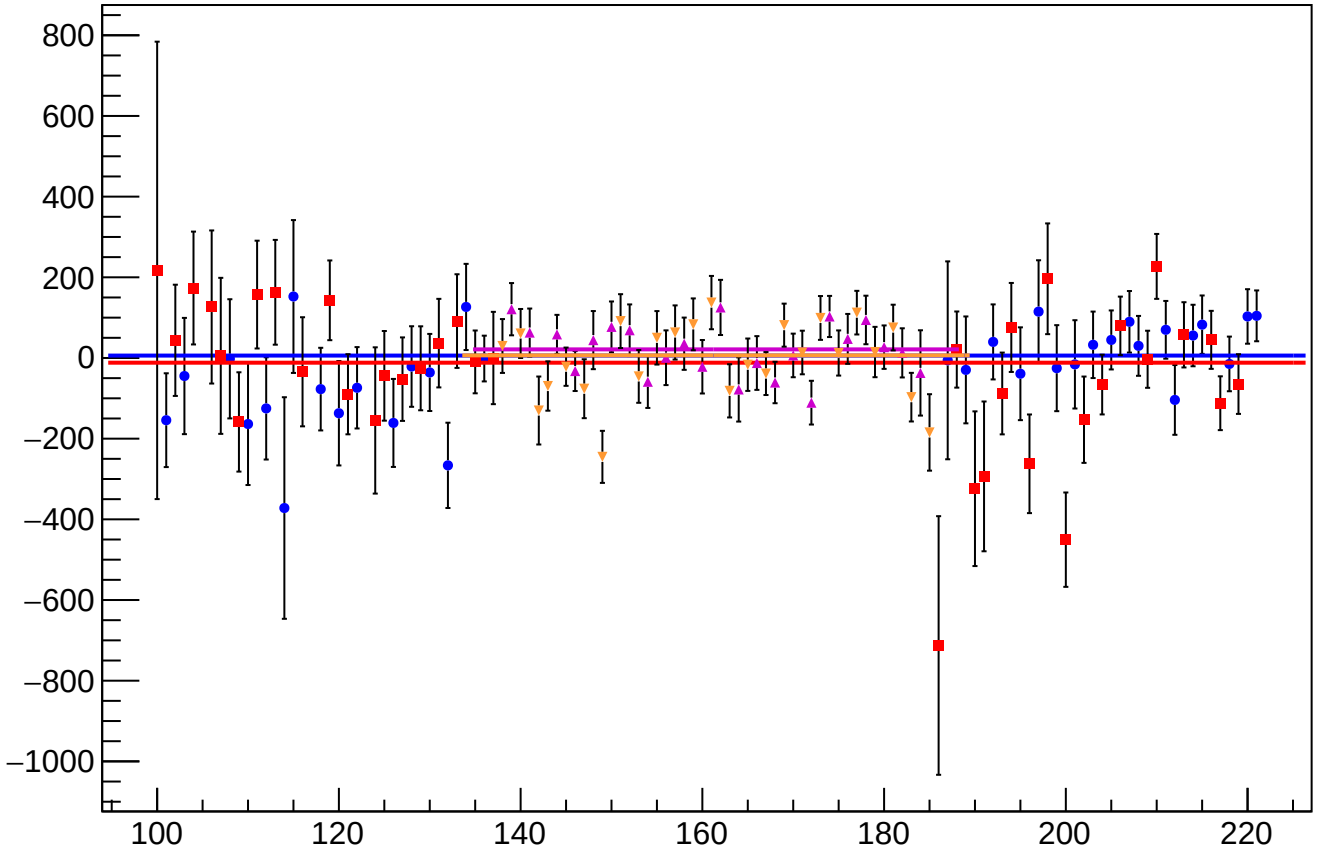
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14926837.6/58

All: 0.000+/-0.000 χ^2/NDF: 26796059.4/118

- sign 0.000+/-0.000 χ^2/NDF: 11852862.7/59

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 5.967+/-15.979 χ^2/NDF: 31.3/33

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -11.677+/-17.112 χ^2/NDF: 60.8/36

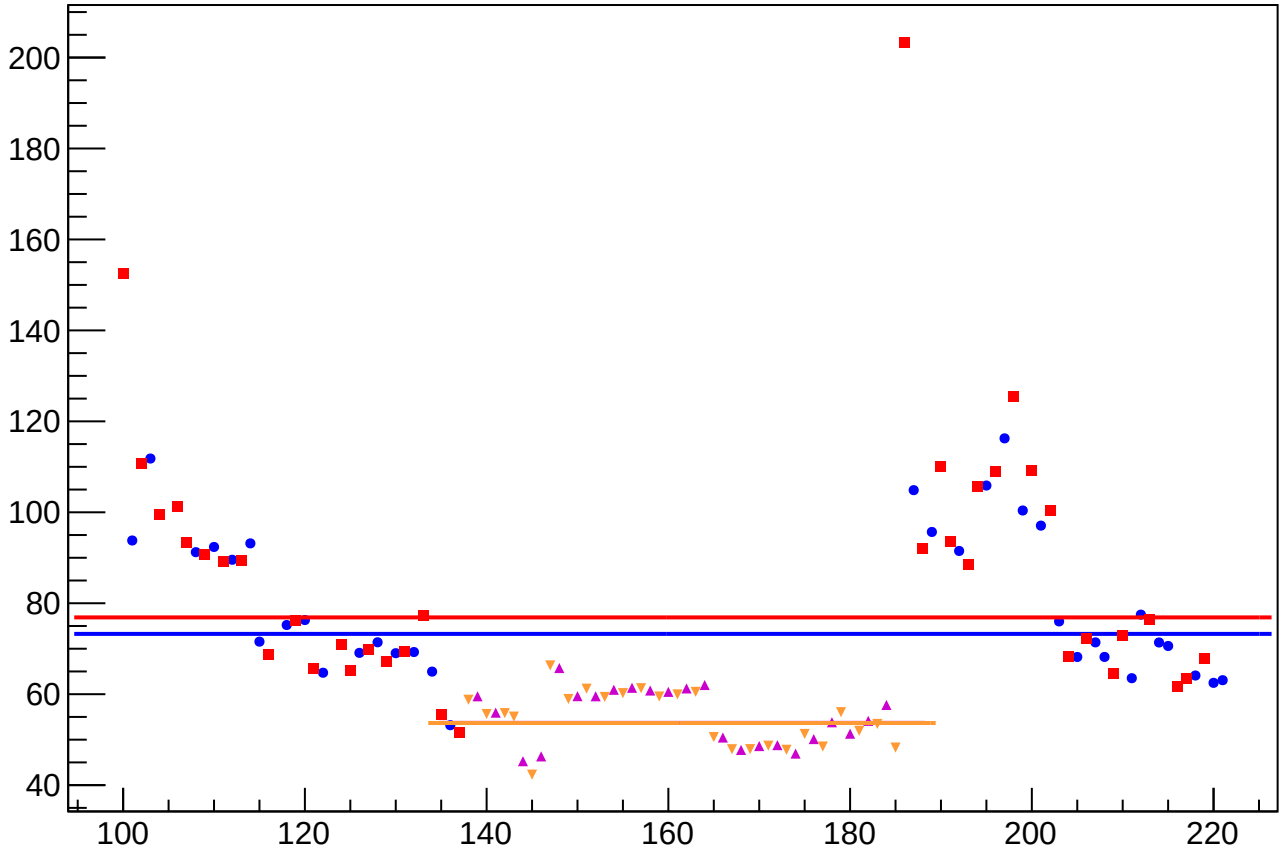
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 6.316+/-9.740 χ^2/NDF: 81.9/58

All: 7.921+/-7.035 χ^2/NDF: 170.6/118

- sign 9.671+/-10.172 χ^2/NDF: 88.6/59

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 73.261+/-0.011 χ^2/NDF: 1588526.0/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

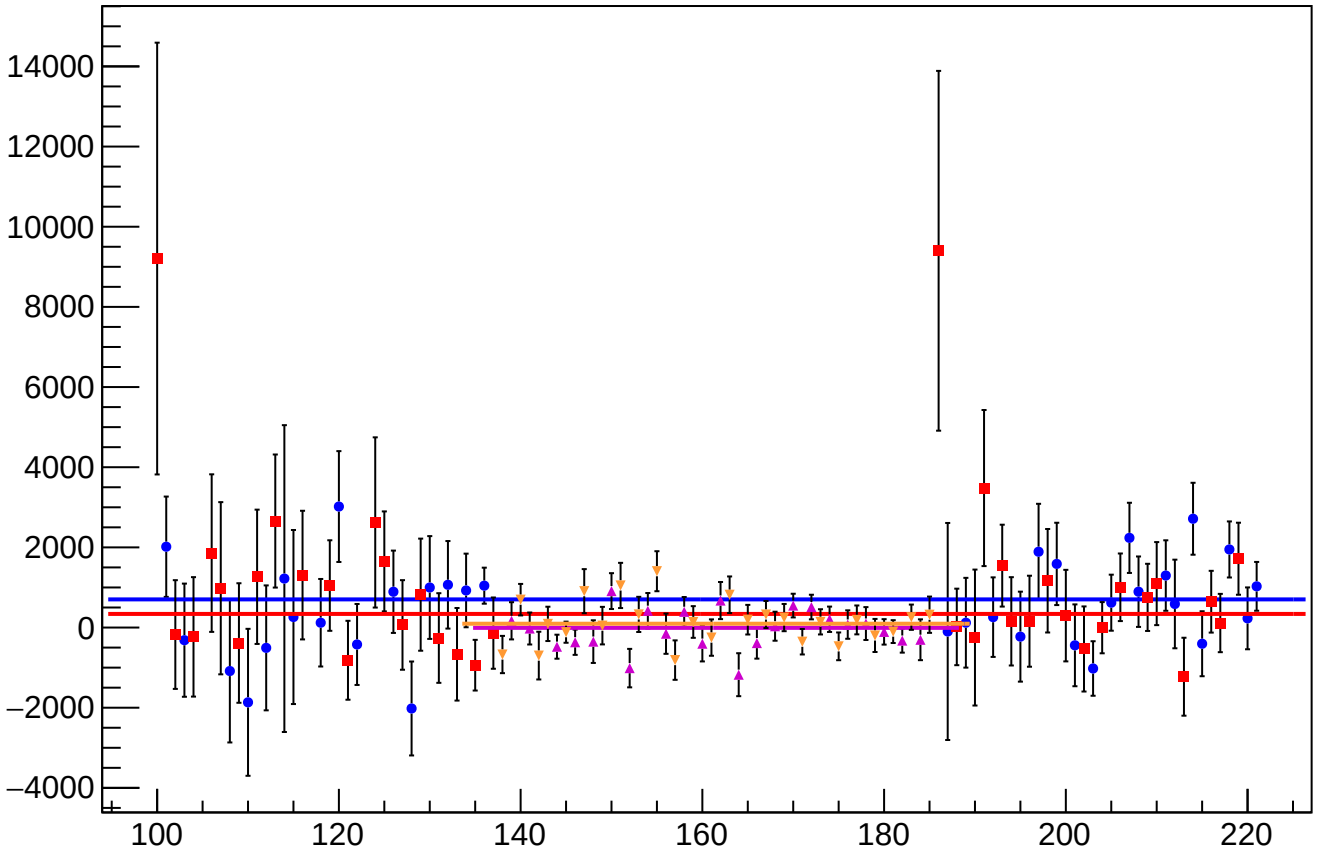
Right Out: 76.887+/-0.012 χ^2/NDF: 2201463.1/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.947+/-0.007 χ^2/NDF: 3950735.1/58

All: 61.398+/-0.005 χ^2/NDF: 9008201.1/118

- sign 61.889+/-0.007 χ^2/NDF: 5048501.7/59



Right In: 702.369+/-163.283 χ^2/NDF: 40.8/33

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 339.769+/-179.523 χ^2/NDF: 32.5/36

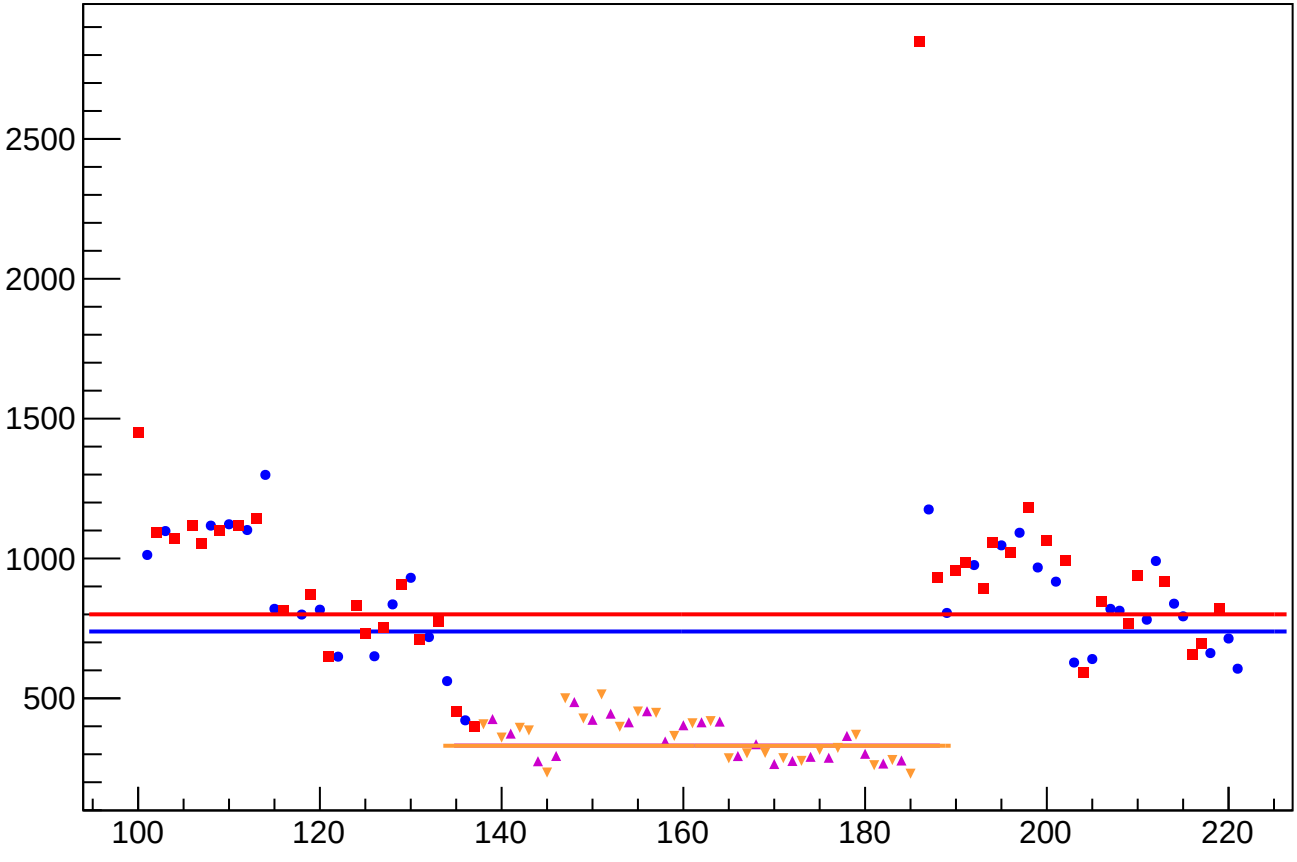
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 206.184+/-69.744 χ^2/NDF: 85.3/58

All: 130.375+/-50.231 χ^2/NDF: 155.7/118

- sign 48.671+/-72.405 χ^2/NDF: 68.0/59

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 738.930+/-0.115 χ^2/NDF: 2780116.7/33

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 800.265+/-0.127 χ^2/NDF: 3051949.7/36

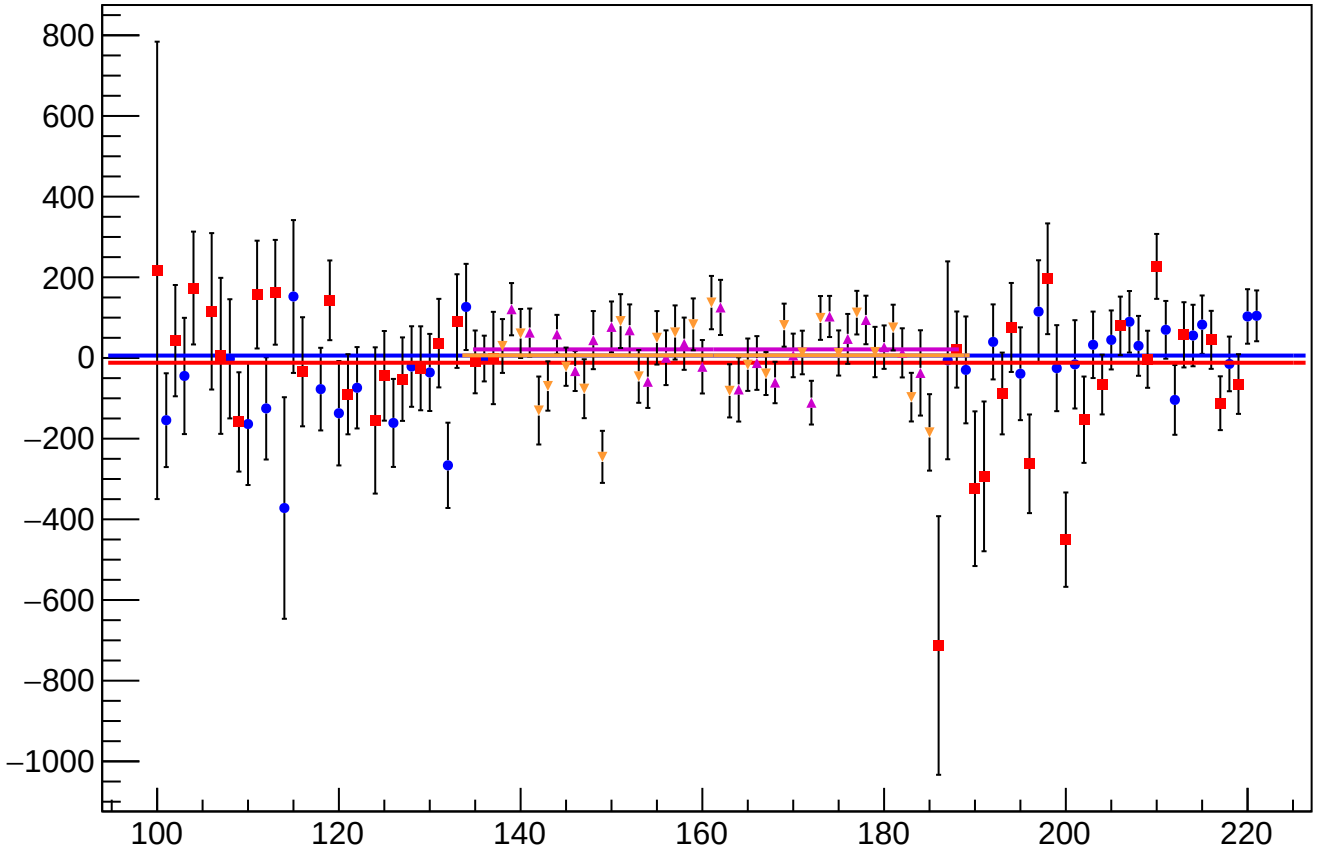
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 404.938+/-0.049 χ^2/NDF: 14767987.8/58

All: 406.114+/-0.036 χ^2/NDF: 30586529.8/11

- sign 407.382+/-0.051 χ^2/NDF: 15817360.6/59

cor_asym_sam_15_26_dd_mean vs Slug



Right In: 5.973+/-15.979 χ^2/NDF: 31.3/33

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -11.821+/-17.115 χ^2/NDF: 60.7/36

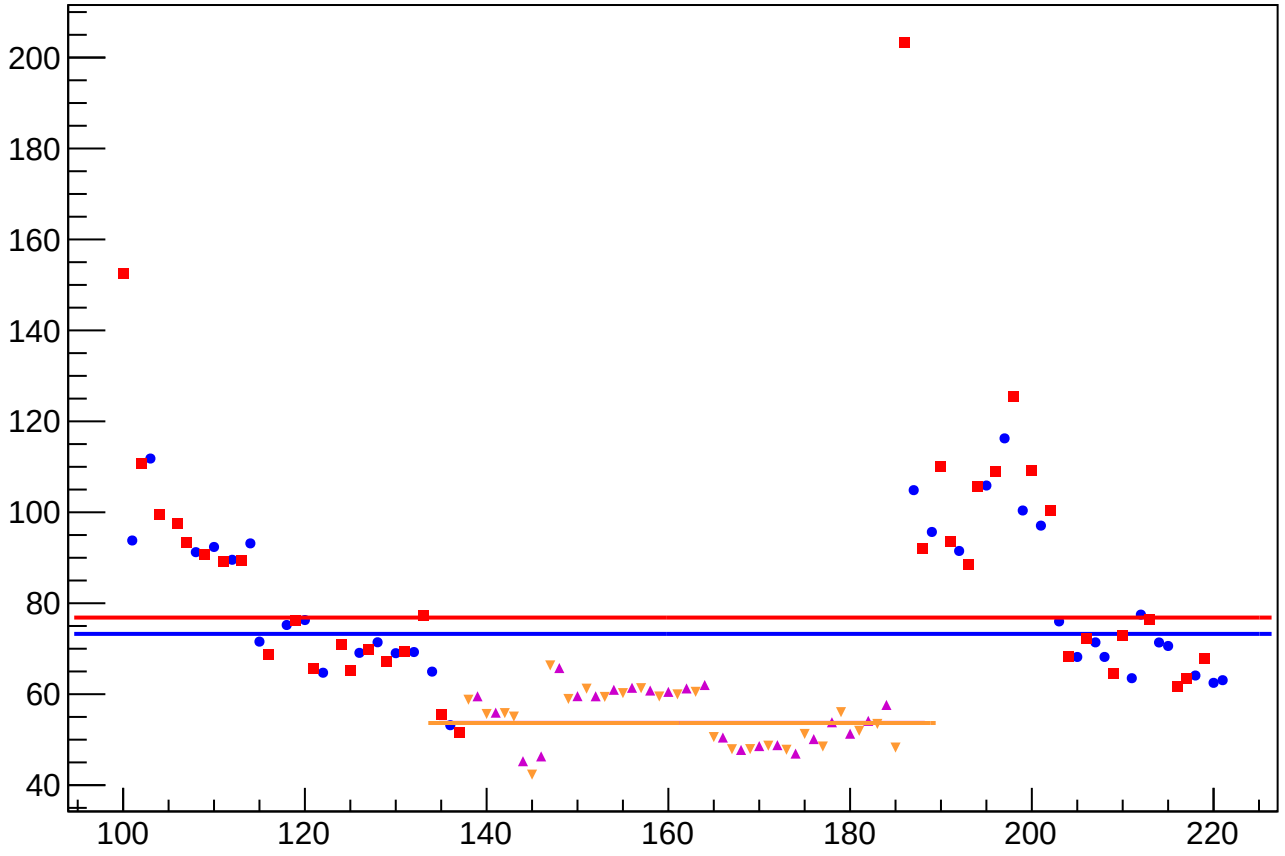
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 6.320+/-9.740 χ^2/NDF: 81.9/58

All: 7.900+/-7.035 χ^2/NDF: 170.5/118

- sign 9.622+/-10.173 χ^2/NDF: 88.6/59

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 73.261+/-0.011 χ^2/NDF: 1588528.4/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

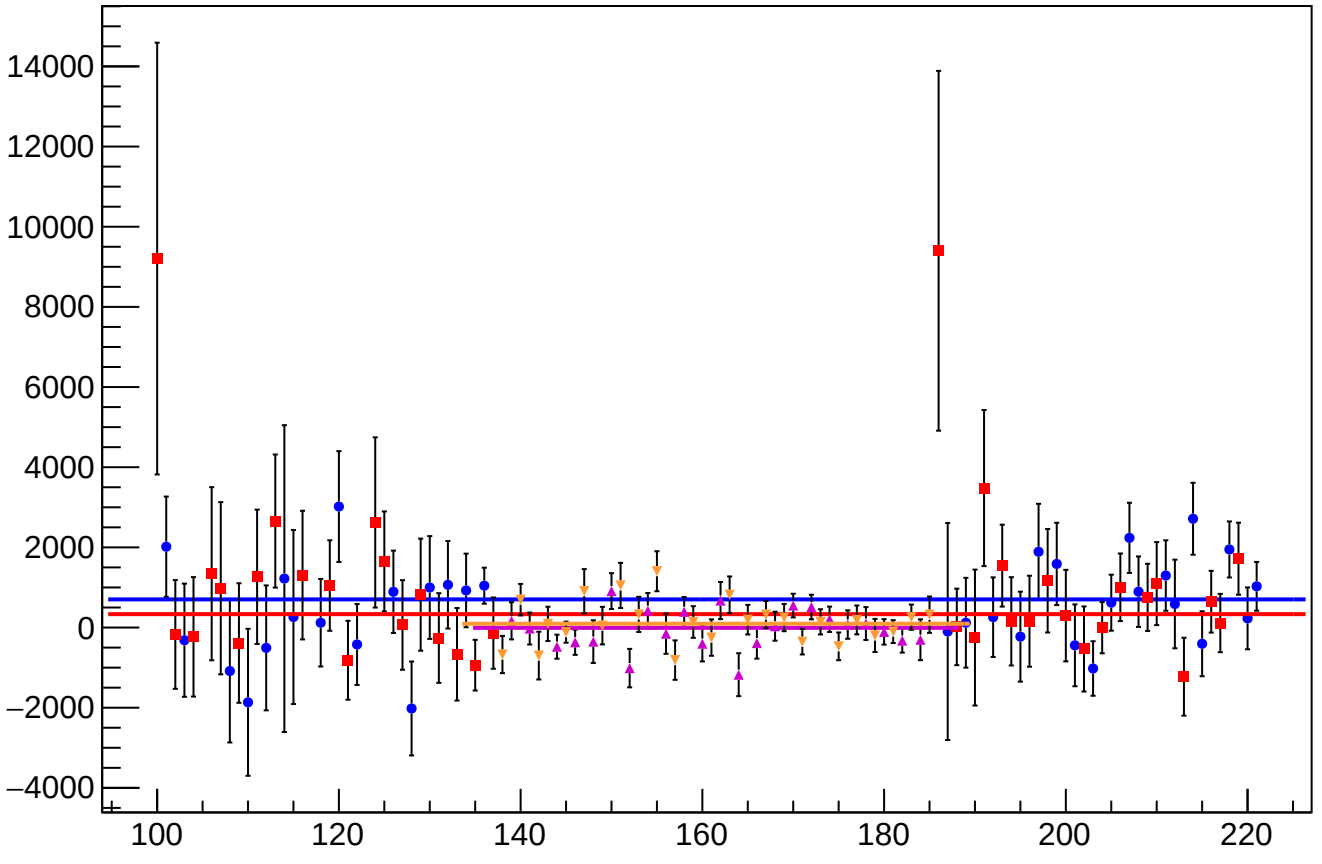
Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.947+/-0.007 χ^2/NDF: 3950737.6/58

All: 61.390+/-0.005 χ^2/NDF: 8989893.2/118

- sign 61.875+/-0.007 χ^2/NDF: 5030473.3/59



Right In: 702.369+/-163.283 χ^2/NDF: 40.8/33

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

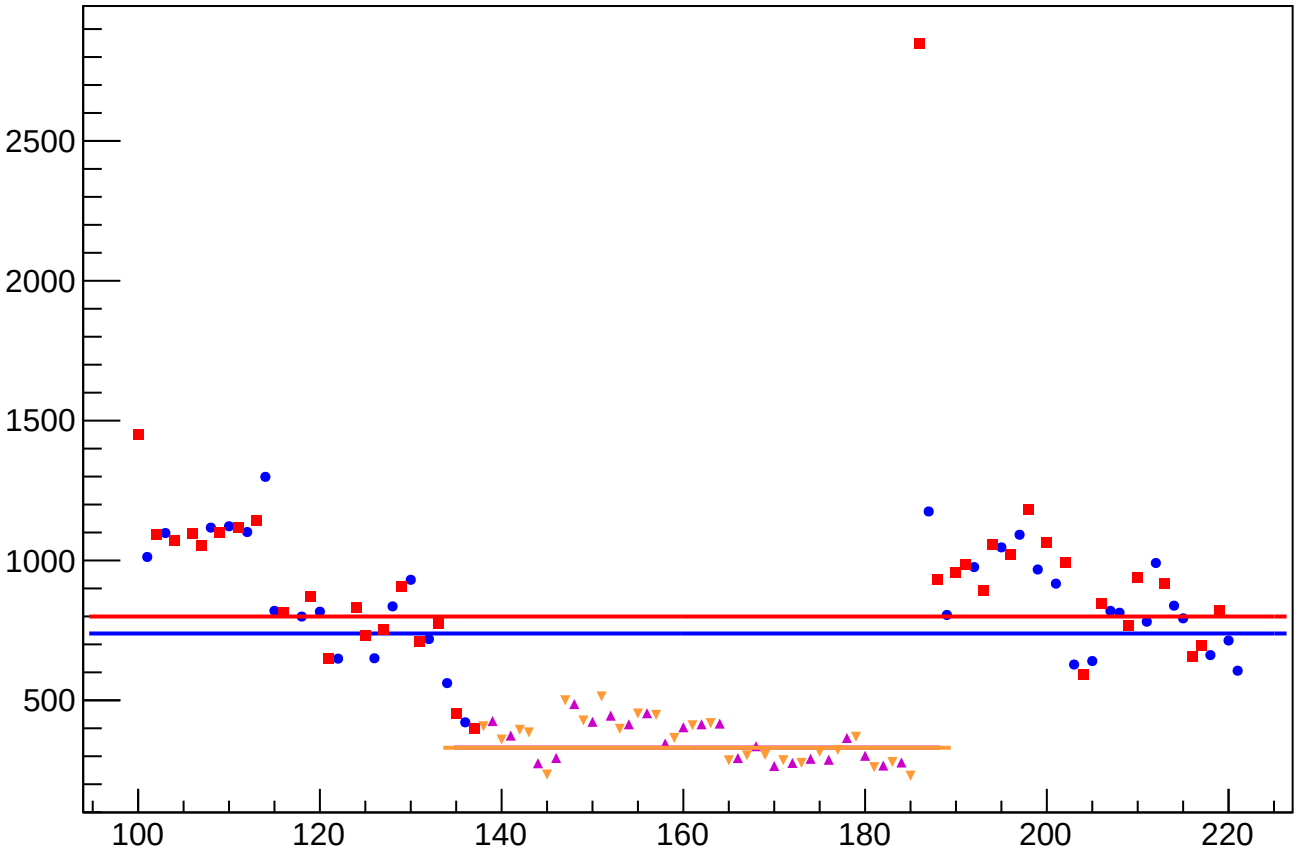
Right Out: 334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 206.186+/-69.744 χ^2/NDF: 85.3/58

All: 129.910+/-50.233 χ^2/NDF: 155.3/118

- sign 47.684+/-72.413 χ^2/NDF: 67.5/59



Right In: 738.931+/-0.115 χ^2/NDF: 2780137.2/33

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

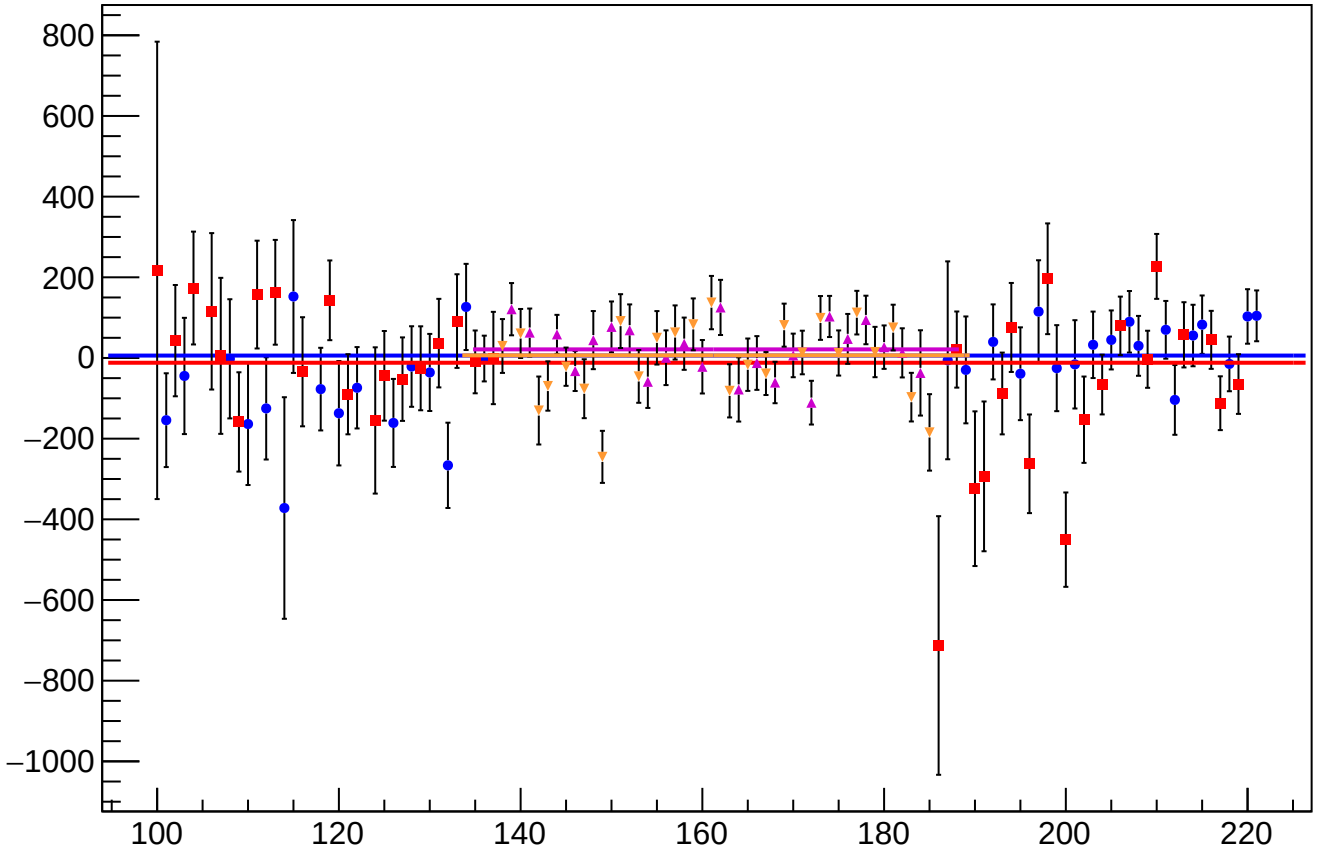
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 404.938+/-0.049 χ^2/NDF: 14768009.6/58

All: 406.022+/-0.036 χ^2/NDF: 30528268.2/11

- sign 407.190+/-0.051 χ^2/NDF: 15759255.3/59

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: 5.973+/-15.979 χ^2/NDF: 31.3/33

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -11.821+/-17.115 χ^2/NDF: 60.7/36

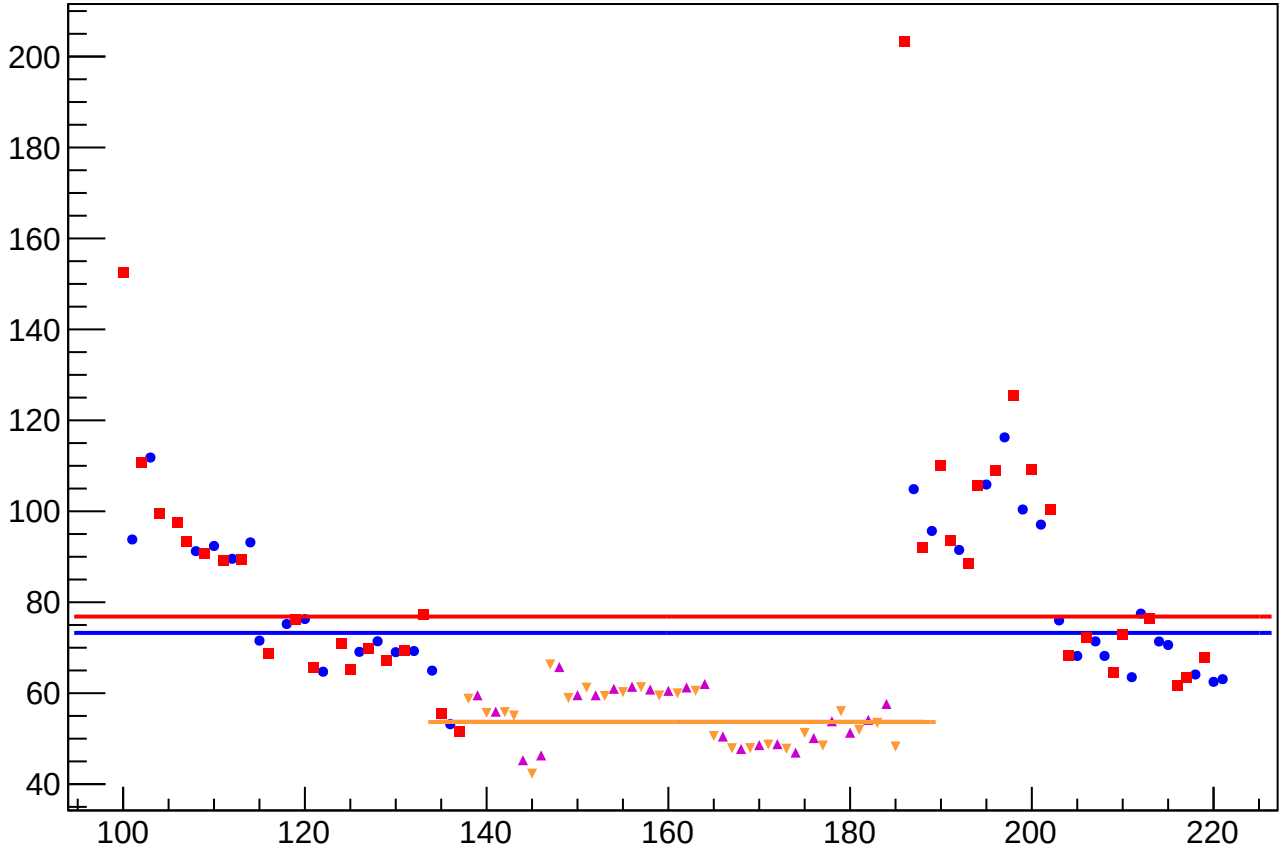
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 6.320+/-9.740 χ^2/NDF: 81.9/58

All: 7.900+/-7.035 χ^2/NDF: 170.5/118

- sign 9.622+/-10.173 χ^2/NDF: 88.6/59

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 73.261+/-0.011 χ^2/NDF: 1588528.4/33

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

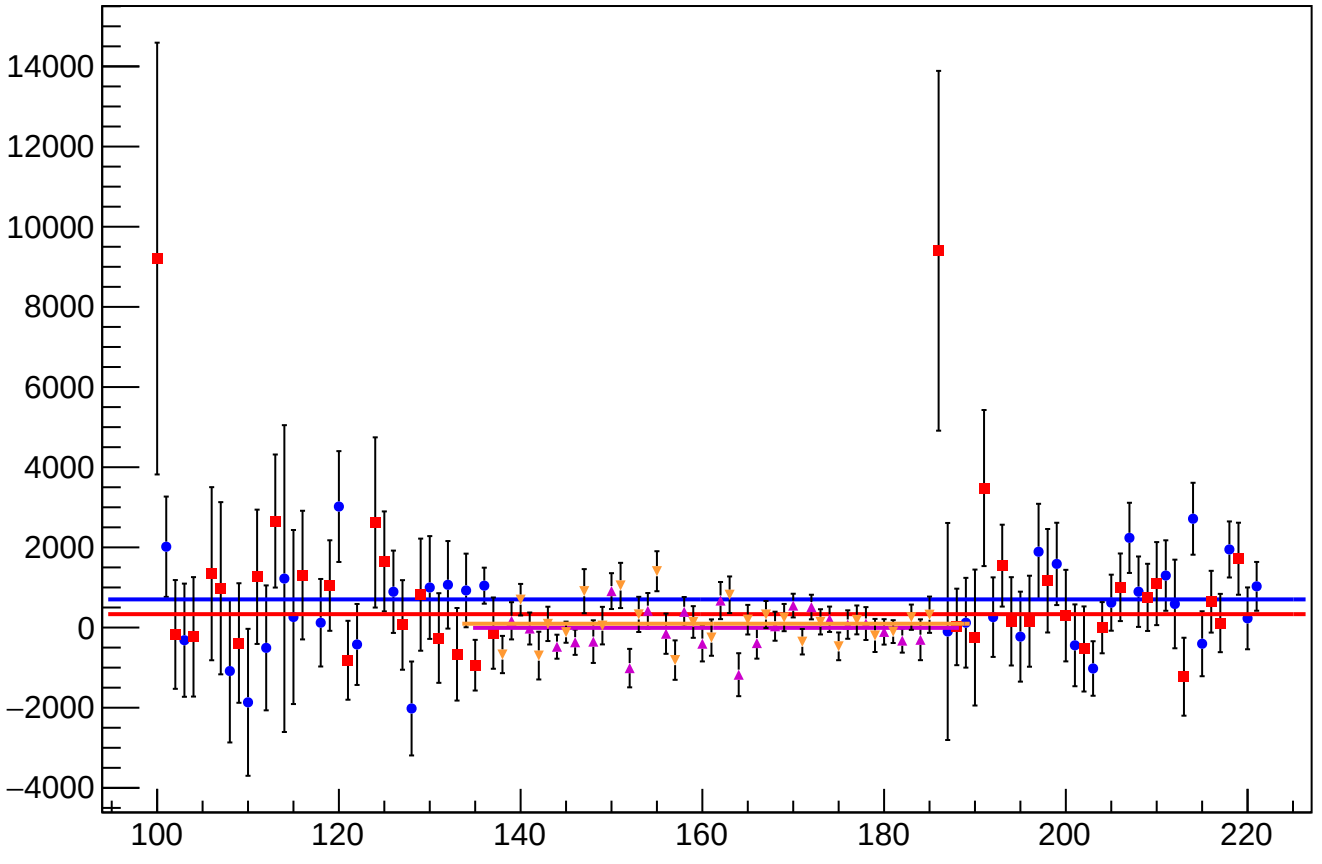
Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.947+/-0.007 χ^2/NDF: 3950737.6/58

All: 61.390+/-0.005 χ^2/NDF: 8989893.2/118

- sign 61.875+/-0.007 χ^2/NDF: 5030473.3/59



Right In: 702.369+/-163.283 χ^2/NDF: 40.8/33

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

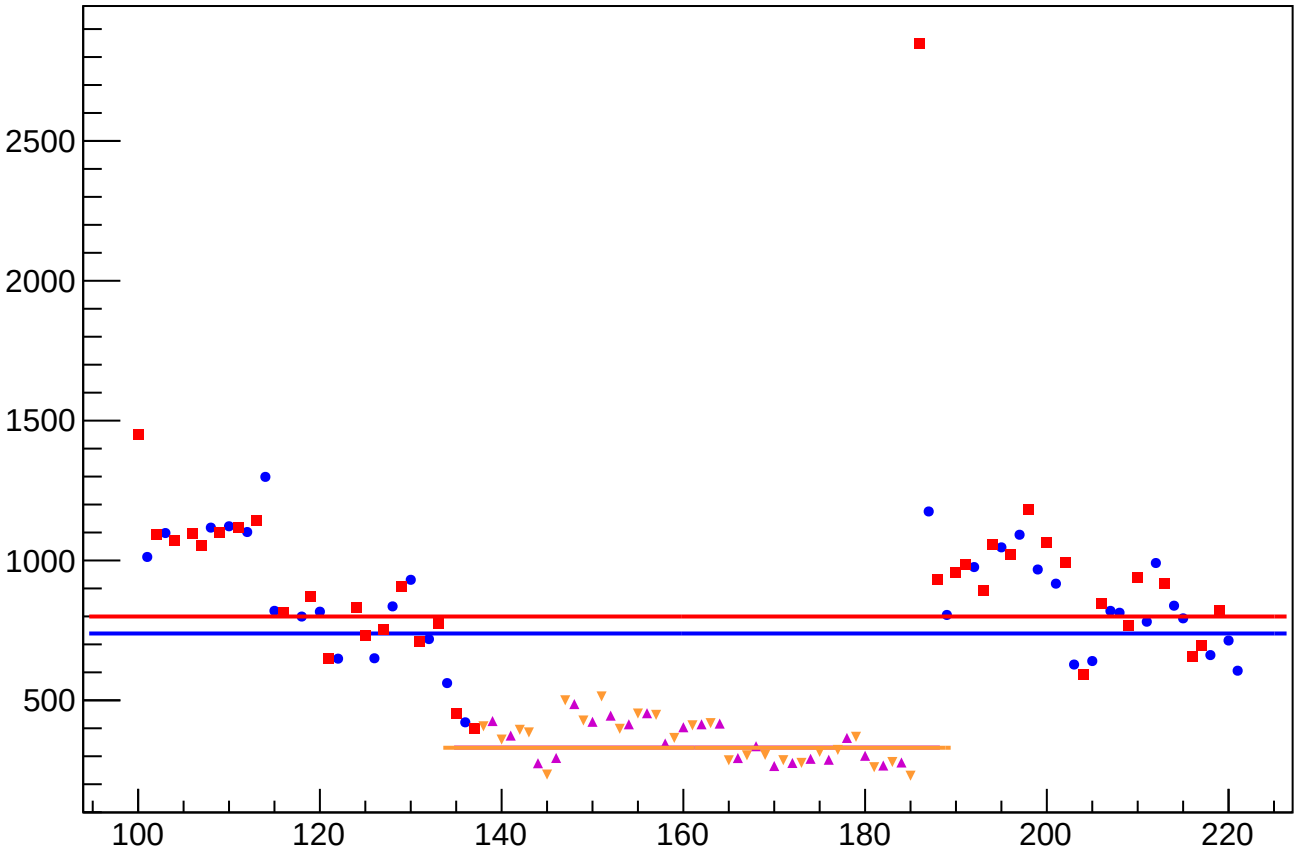
Right Out: 334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 206.186+/-69.744 χ^2/NDF: 85.3/58

All: 129.910+/-50.233 χ^2/NDF: 155.3/118

- sign 47.684+/-72.413 χ^2/NDF: 67.5/59



Right In: 738.931+/-0.115 χ^2/NDF: 2780137.2/33

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

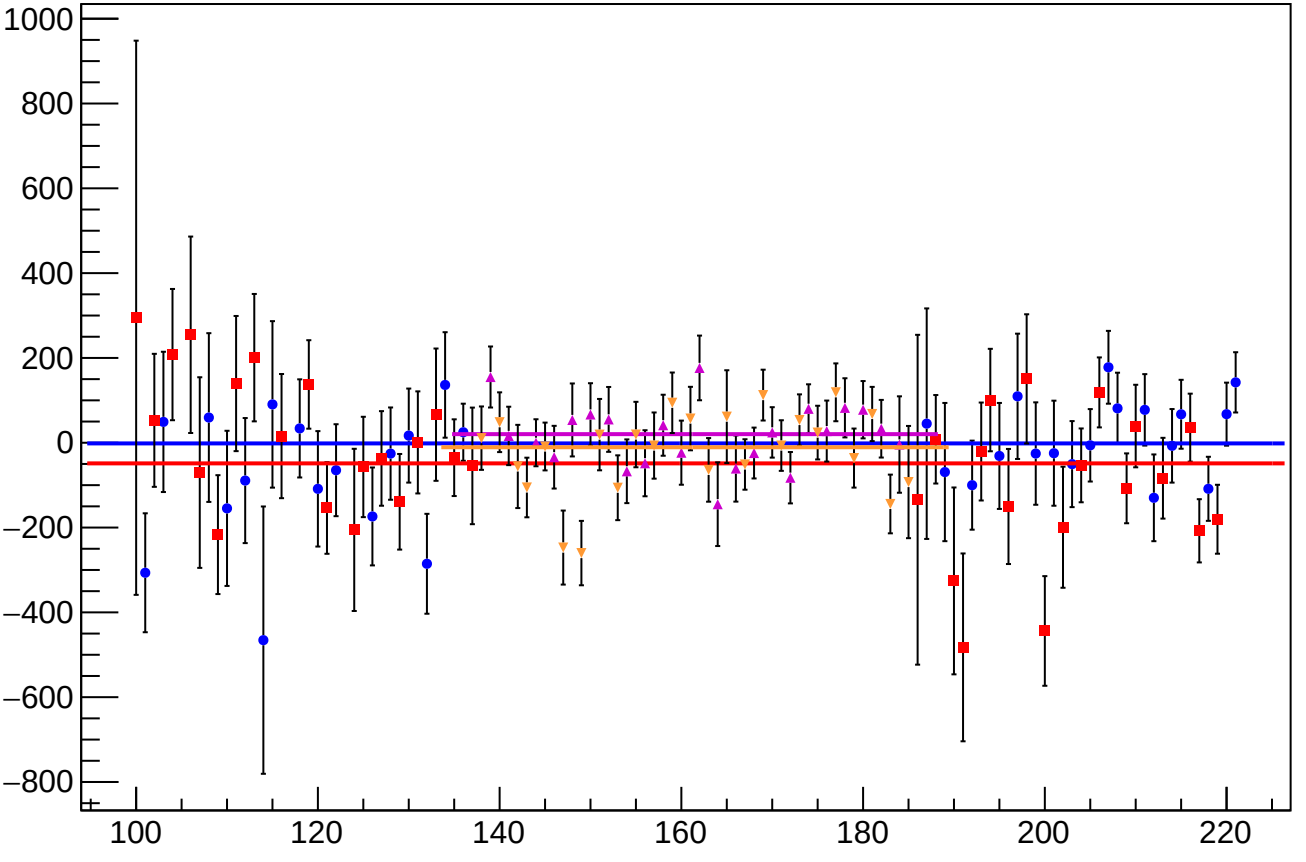
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 404.938+/-0.049 χ^2/NDF: 14768009.6/58

All: 406.022+/-0.036 χ^2/NDF: 30528268.2/11

- sign 407.190+/-0.051 χ^2/NDF: 15759255.3/59

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -1.556+/-18.231 χ^2/NDF: 36.4/33

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -48.645+/-19.451 χ^2/NDF: 51.1/36

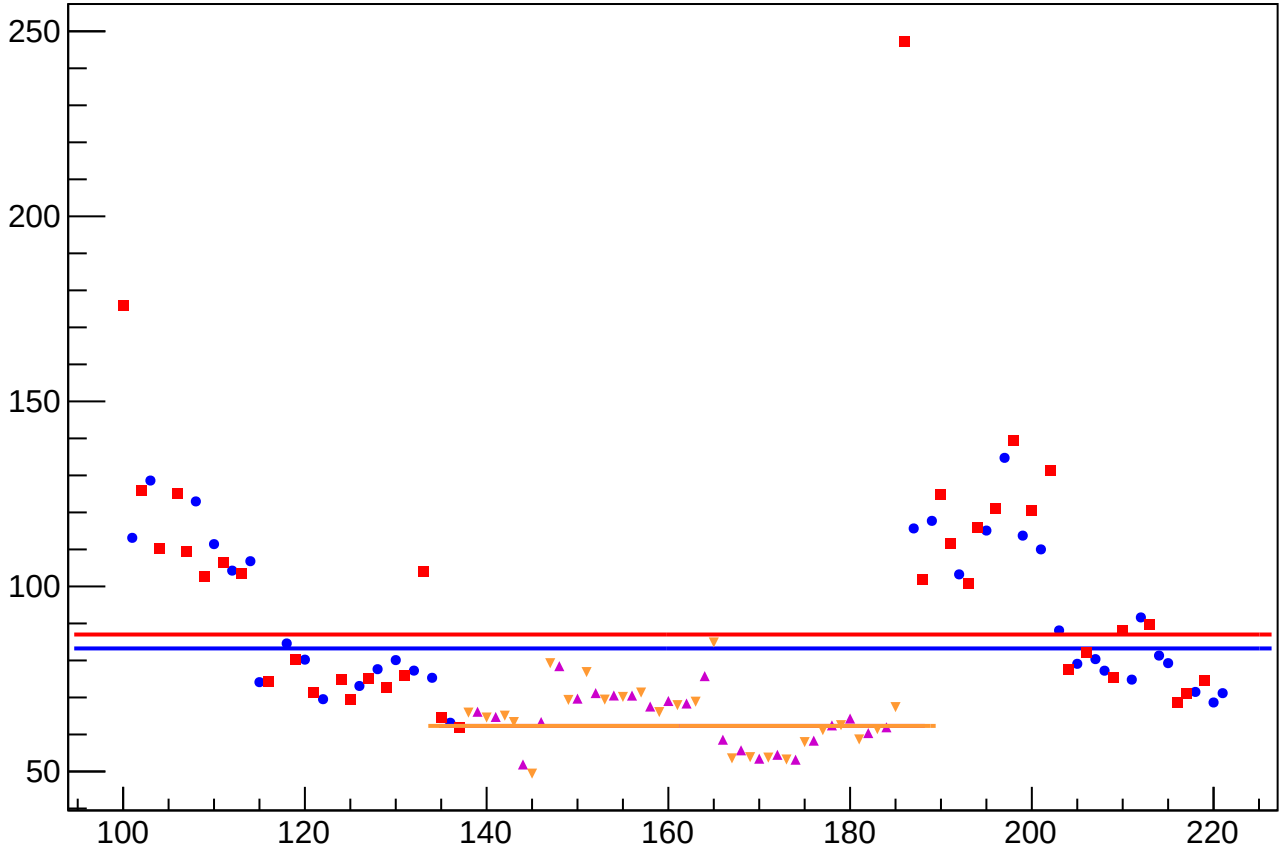
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

\+ sign -7.161+/-11.257 χ^2/NDF: 78.8/58

All: -6.064+/-8.130 χ^2/NDF: 159.5/118

\- sign -4.869+/-11.753 χ^2/NDF: 80.8/59

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 83.248+/-0.013 χ^2/NDF: 1700189.0/33

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 87.010+/-0.014 χ^2/NDF: 2375125.3/36

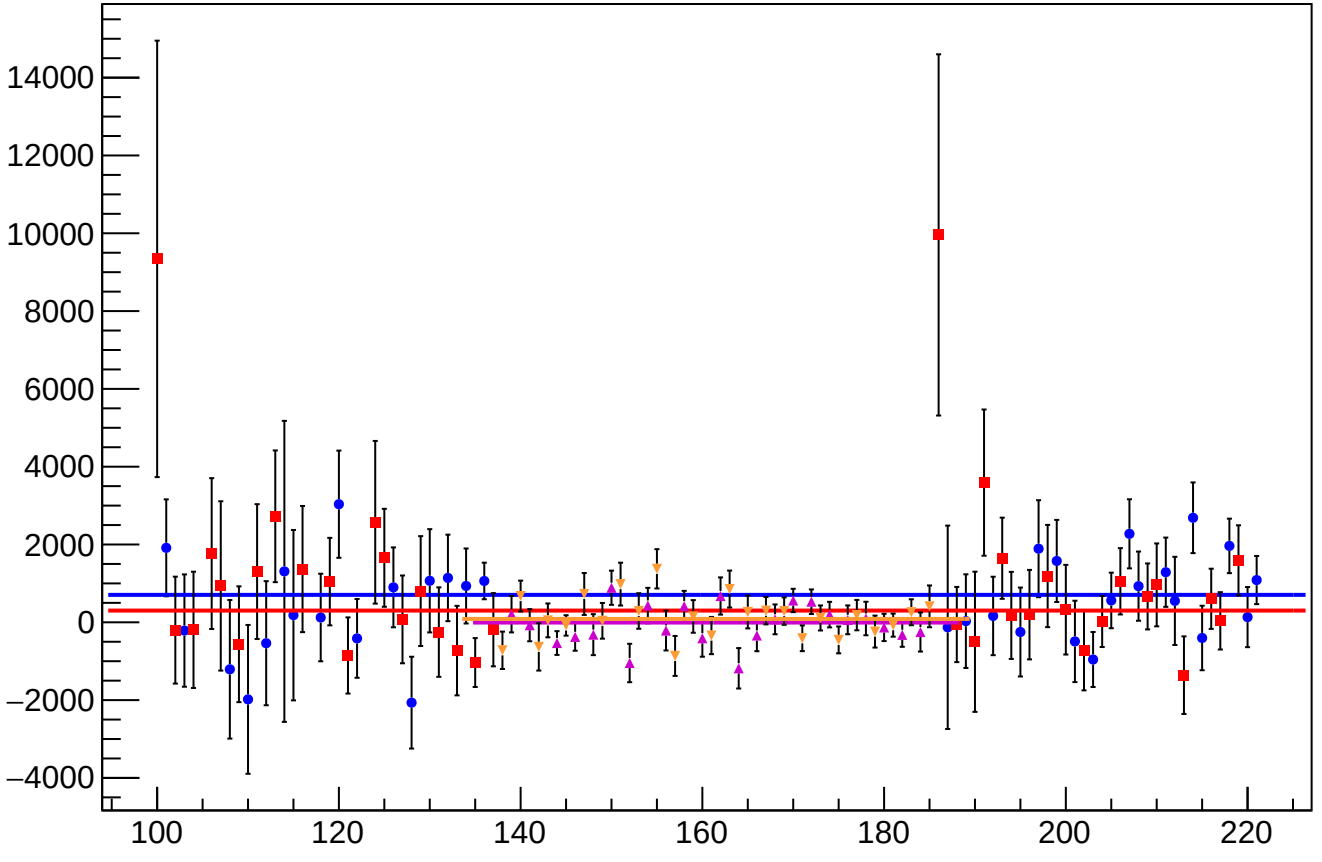
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 70.296+/-0.008 χ^2/NDF: 3967708.2/58

All: 70.790+/-0.006 χ^2/NDF: 8882945.9/118

- sign 71.328+/-0.008 χ^2/NDF: 4907197.9/59

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 705.438+/-166.928 χ^2/NDF: 40.1/33

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 301.743+/-181.600 χ^2/NDF: 34.3/36

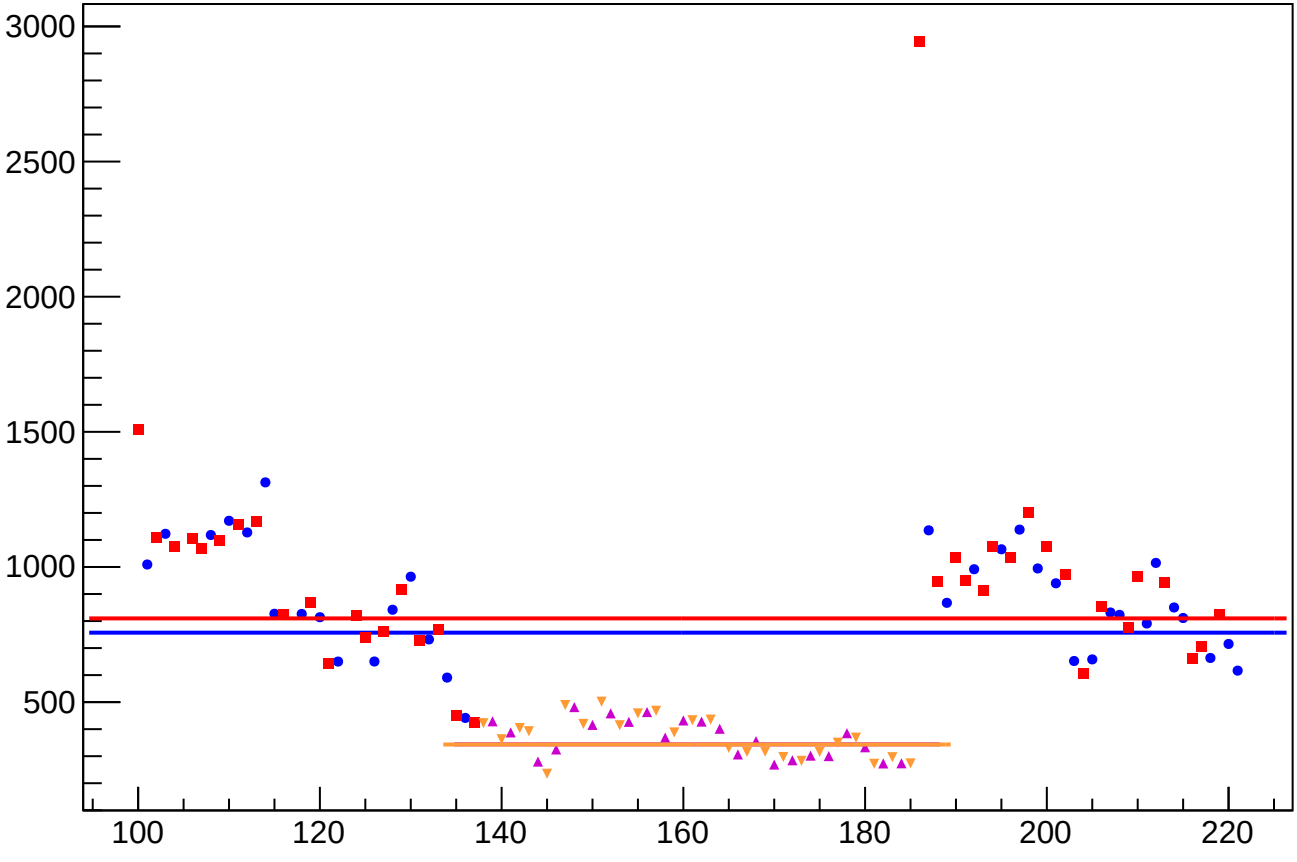
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 202.115+/-72.023 χ^2/NDF: 82.9/58

All: 126.943+/-51.888 χ^2/NDF: 154.3/118

- sign 45.823+/-74.818 χ^2/NDF: 69.1/59

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 756.990+/-0.118 χ^2/NDF: 2664321.7/33

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045892.3/36

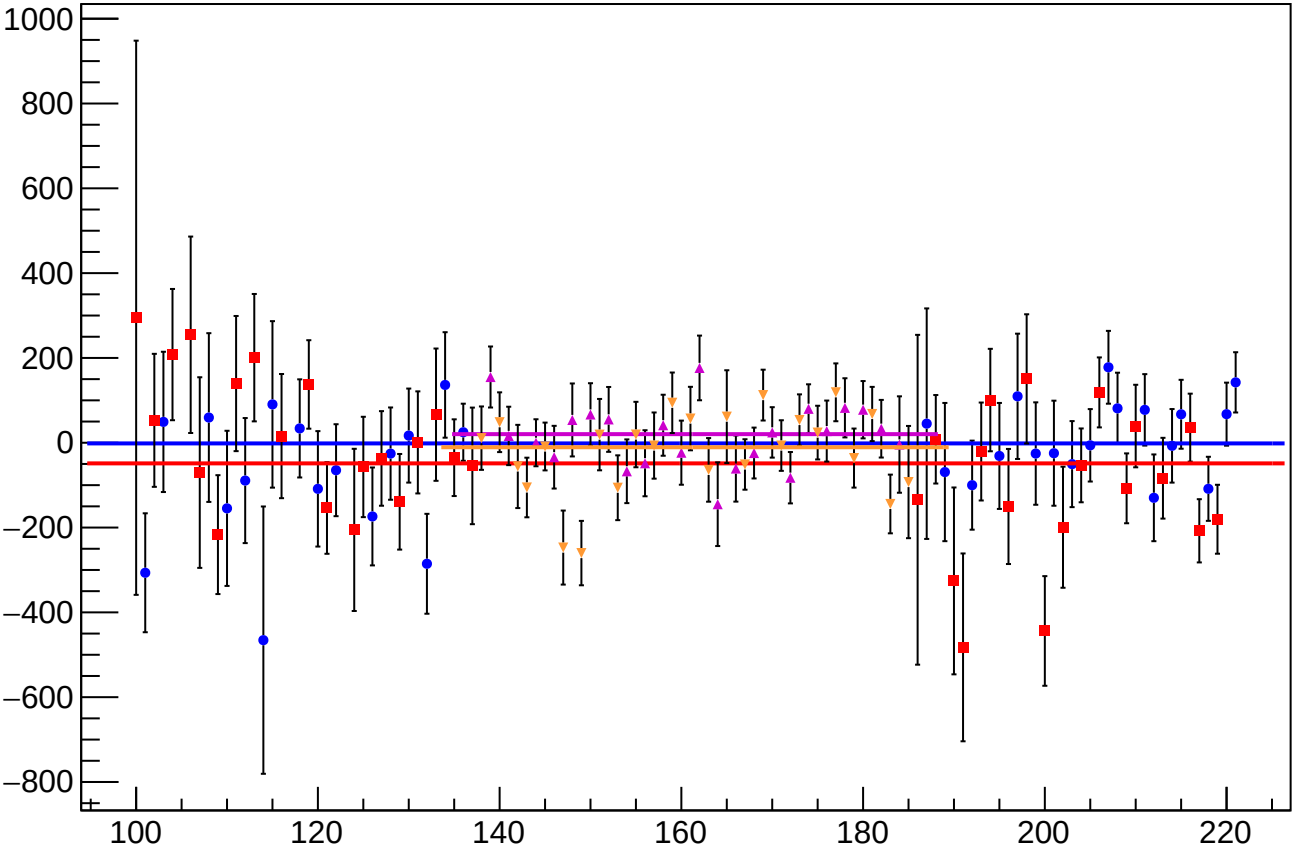
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 420.251+/-0.051 χ^2/NDF: 14260179.2/58

All: 421.488+/-0.037 χ^2/NDF: 29501661.2/11

- sign 422.822+/-0.053 χ^2/NDF: 15240256.6/59

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -1.558+/-18.231 χ^2/NDF: 36.4/33

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -48.645+/-19.451 χ^2/NDF: 51.1/36

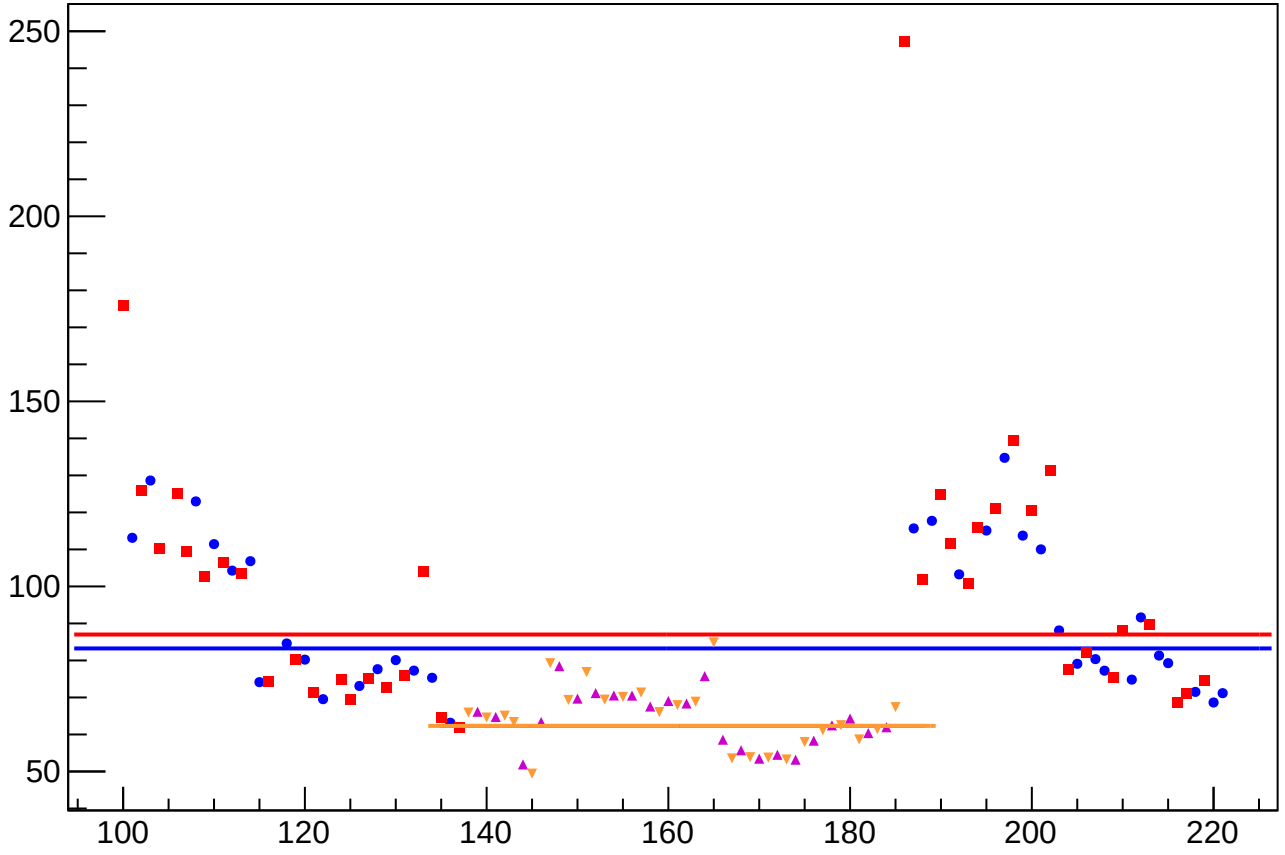
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -7.161+/-11.257 χ^2/NDF: 78.8/58

All: -6.064+/-8.130 χ^2/NDF: 159.5/118

- sign -4.869+/-11.753 χ^2/NDF: 80.8/59

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 83.248+/-0.013 χ^2/NDF: 1700197.0/33

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

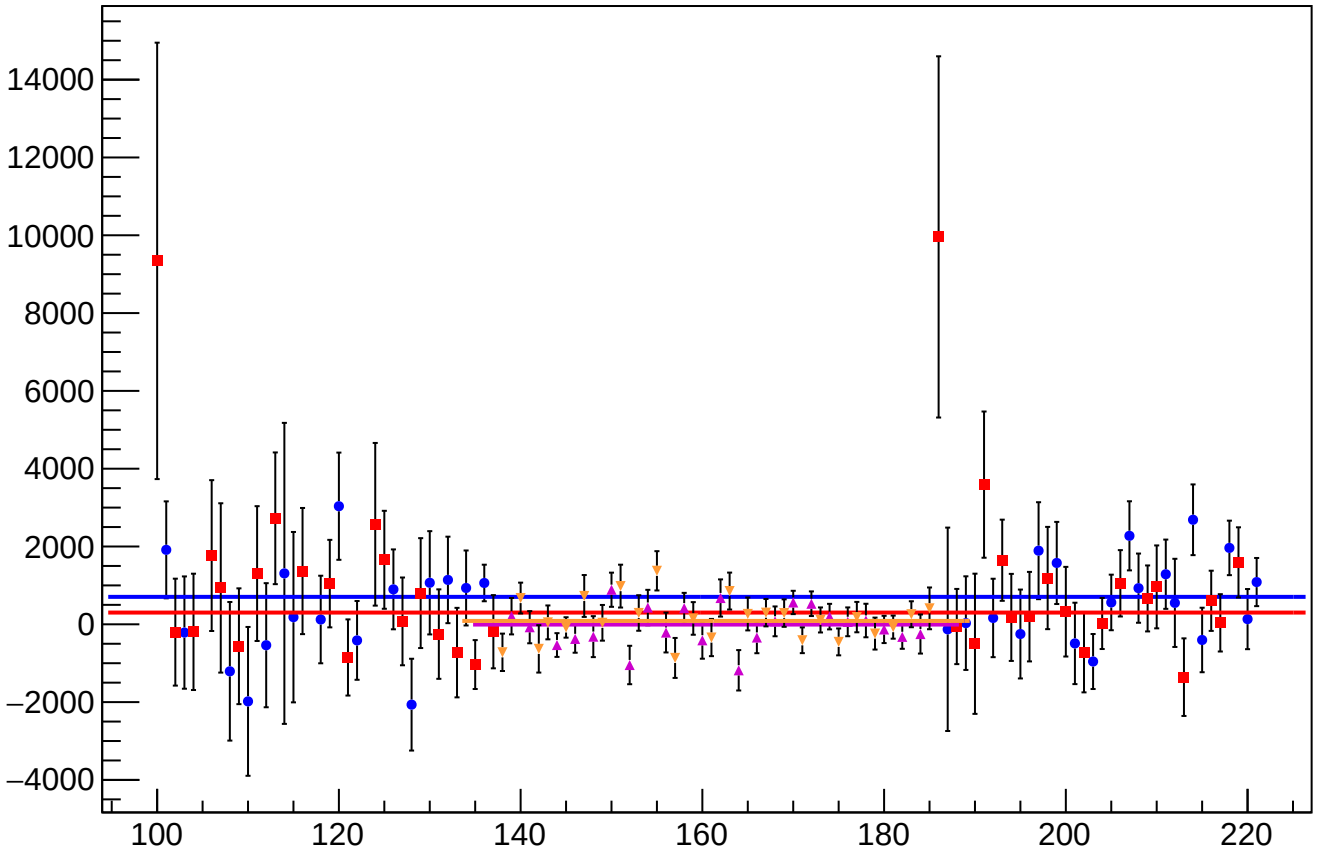
Right Out: 87.009+/-0.014 χ^2/NDF: 2375114.9/36

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 70.296+/-0.008 χ^2/NDF: 3967685.5/58

All: 70.790+/-0.006 χ^2/NDF: 8882865.6/118

- sign 71.328+/-0.008 χ^2/NDF: 4907138.1/59



Right In: 705.438+/-166.928 χ^2/NDF: 40.1/33

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 301.743+/-181.600 χ^2/NDF: 34.3/36

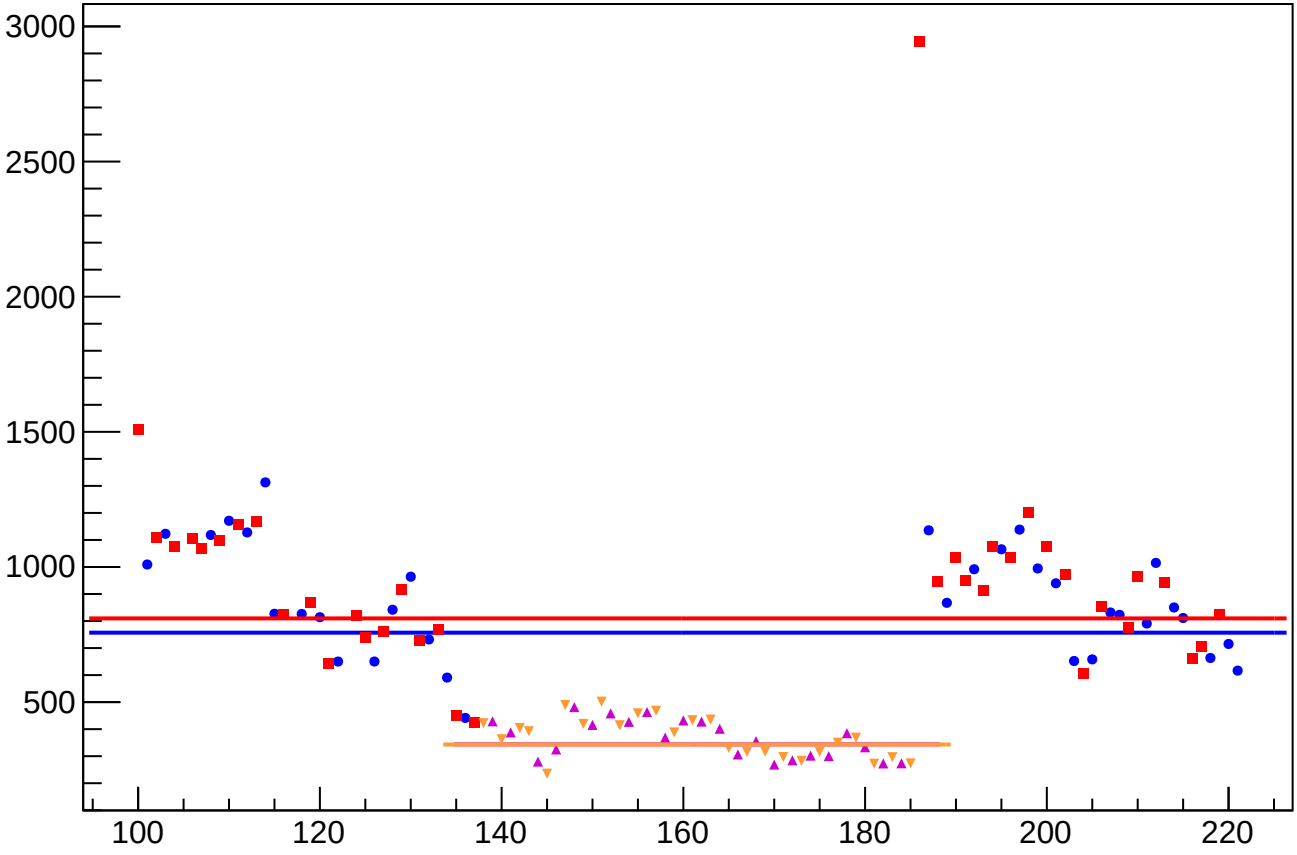
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 202.116+/-72.023 χ^2/NDF: 82.9/58

All: 126.943+/-51.888 χ^2/NDF: 154.3/118

- sign 45.823+/-74.818 χ^2/NDF: 69.1/59

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 756.990+/-0.118 χ^2/NDF: 2664311.3/33

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045879.0/36

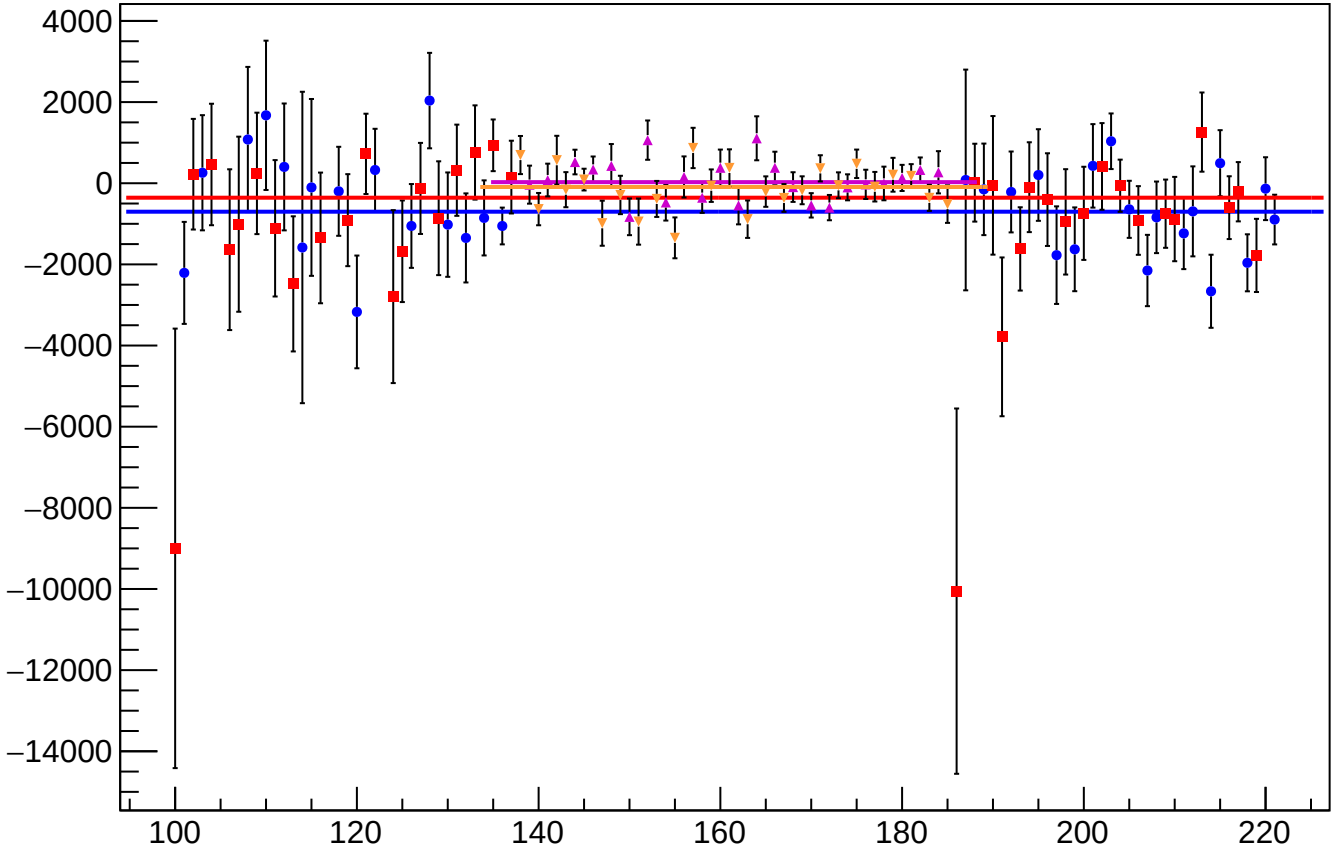
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 420.251+/-0.051 χ^2/NDF: 14260184.8/58

All: 421.488+/-0.037 χ^2/NDF: 29501665.0/11

- sign 422.822+/-0.053 χ^2/NDF: 15240254.6/59

asym_sam_15_26_dd_mean vs Slug



Right In: -701.538+/-164.193 χ^2/NDF: 40.4/33

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -356.411+/-180.450 χ^2/NDF: 32.4/36

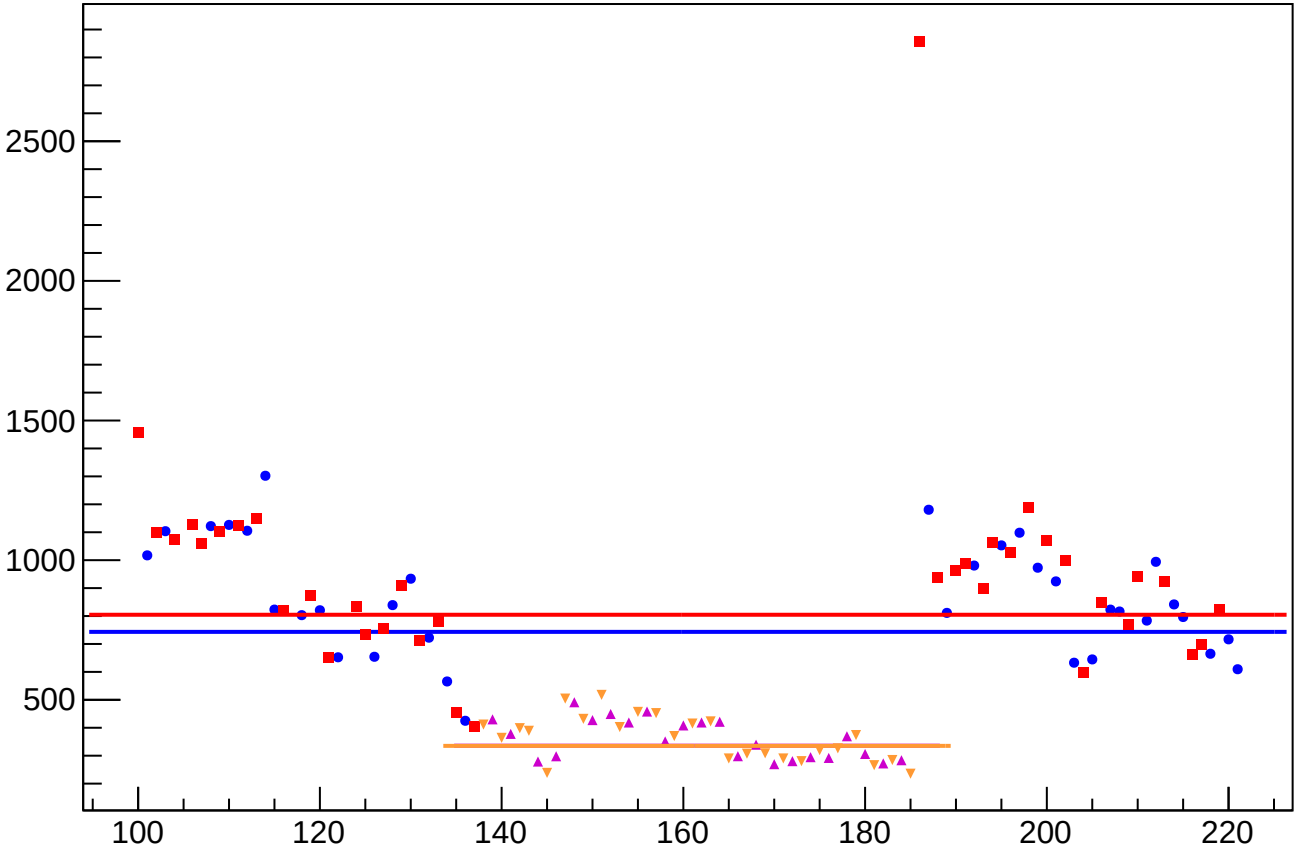
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -205.208+/-70.590 χ^2/NDF: 85.8/58

All: -123.834+/-50.844 χ^2/NDF: 155.7/118

- sign -36.108+/-73.293 χ^2/NDF: 67.1/59

asym_sam_15_26_dd_rms vs Slug



Right In: 743.314+/-0.116 χ^2/NDF: 2754910.3/33

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

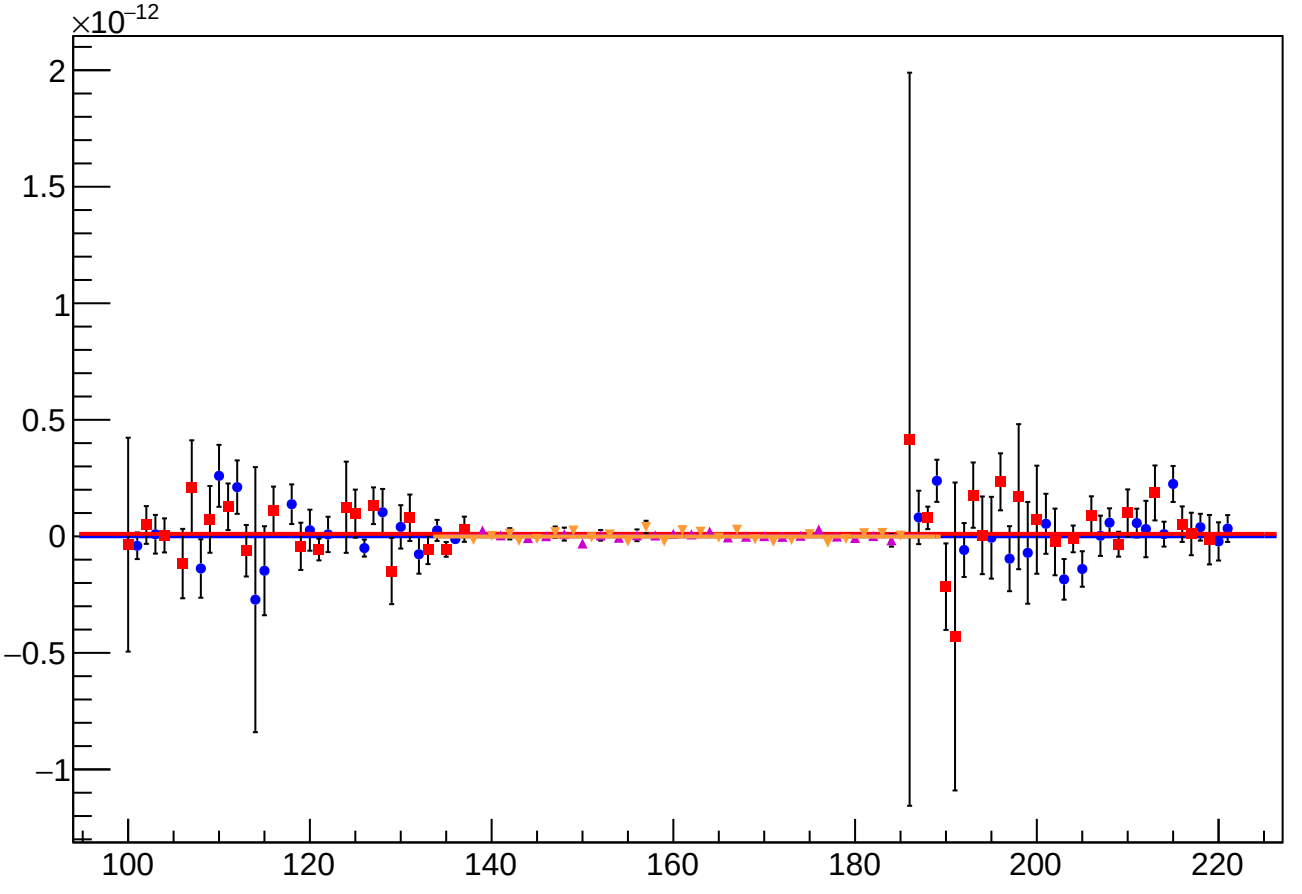
Right Out: 804.590+/-0.128 χ^2/NDF: 3035470.3/36

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 410.591+/-0.050 χ^2/NDF: 14535727.1/58

All: 411.812+/-0.036 χ^2/NDF: 30135696.3/11

- sign 413.127+/-0.052 χ^2/NDF: 15598726.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

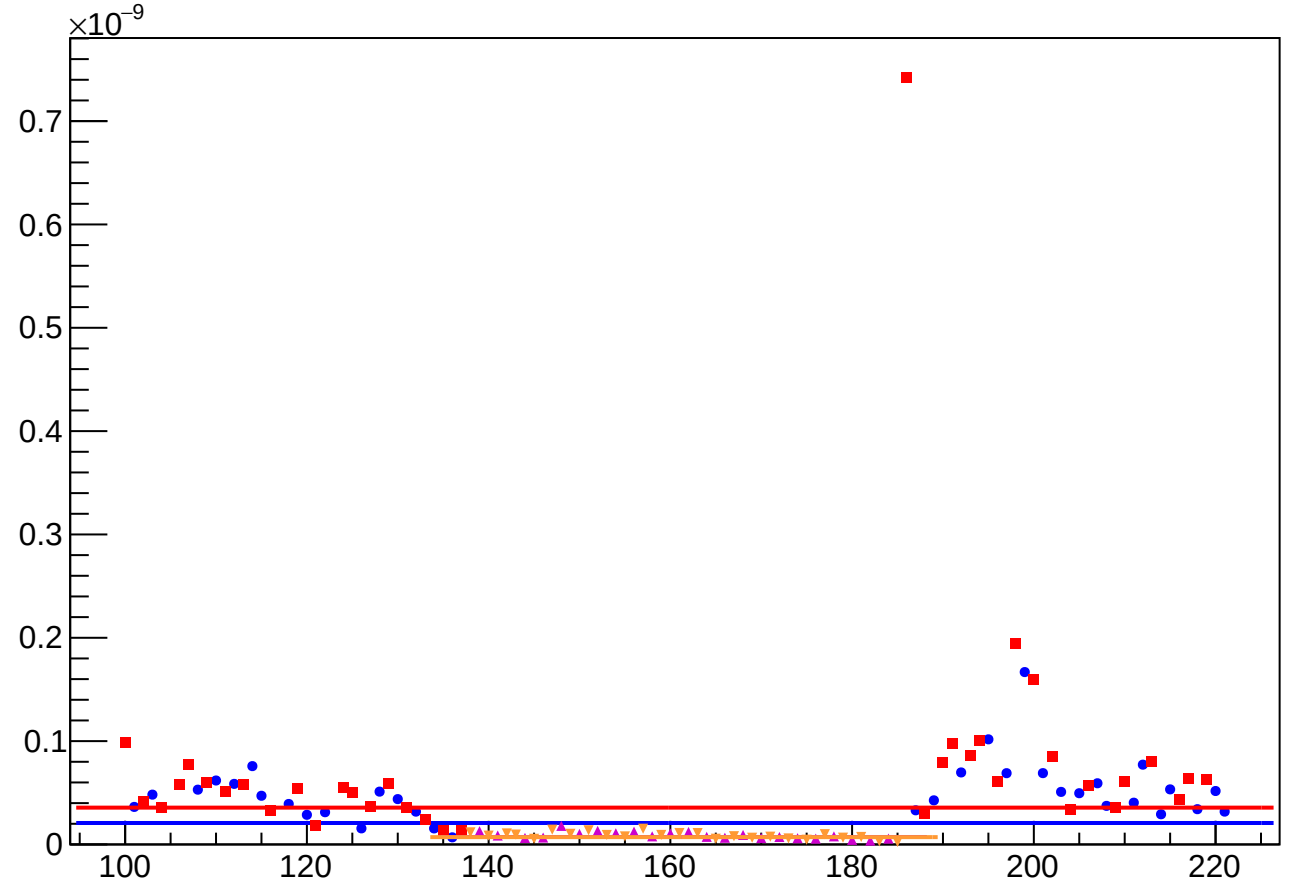
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.5/58

All: 0.000+/-0.000 χ^2/NDF: 126.6/118

- sign 0.000+/-0.000 χ^2/NDF: 47.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 8911533.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623127.9/36

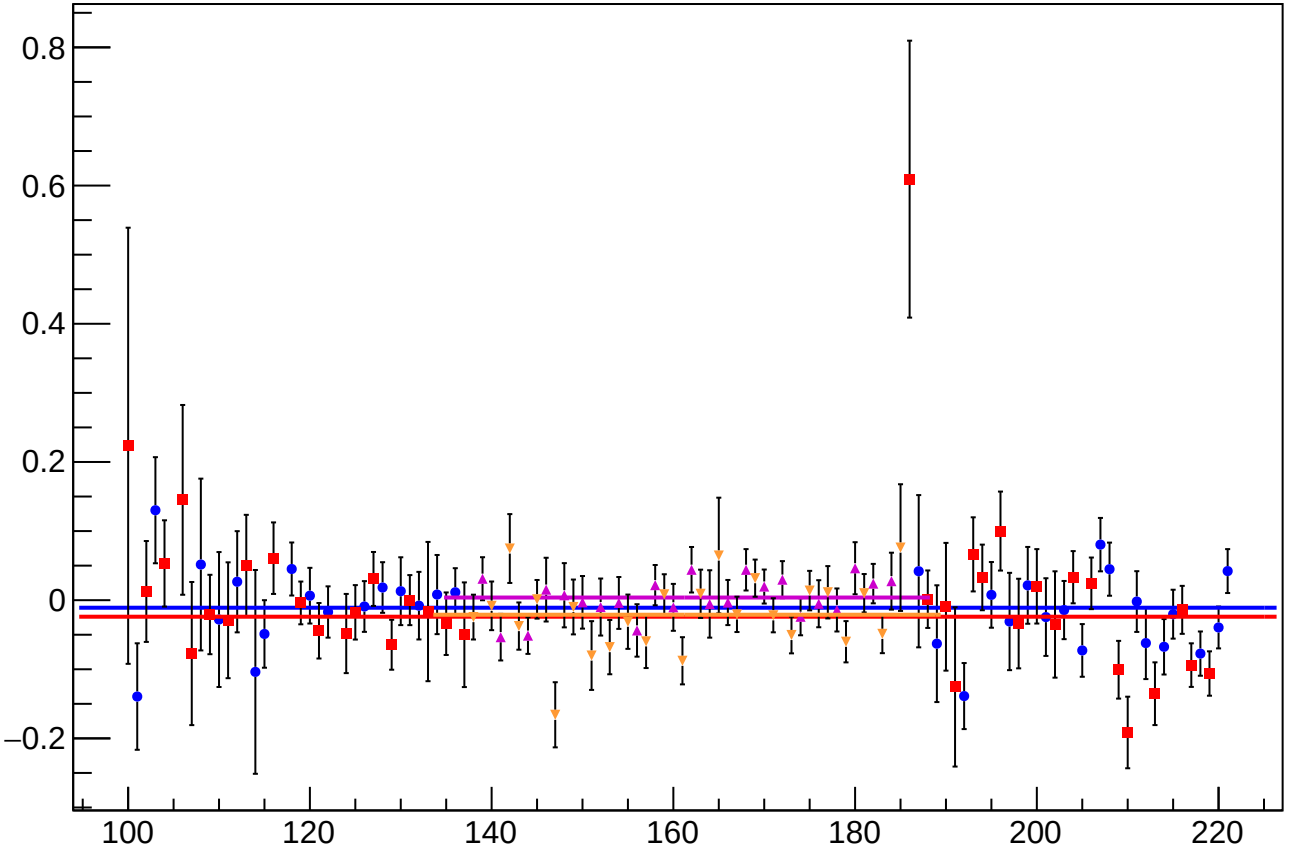
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14976736.6/58

All: 0.000+/-0.000 χ^2/NDF: 30512495.2/118

- sign 0.000+/-0.000 χ^2/NDF: 15529618.9/59

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

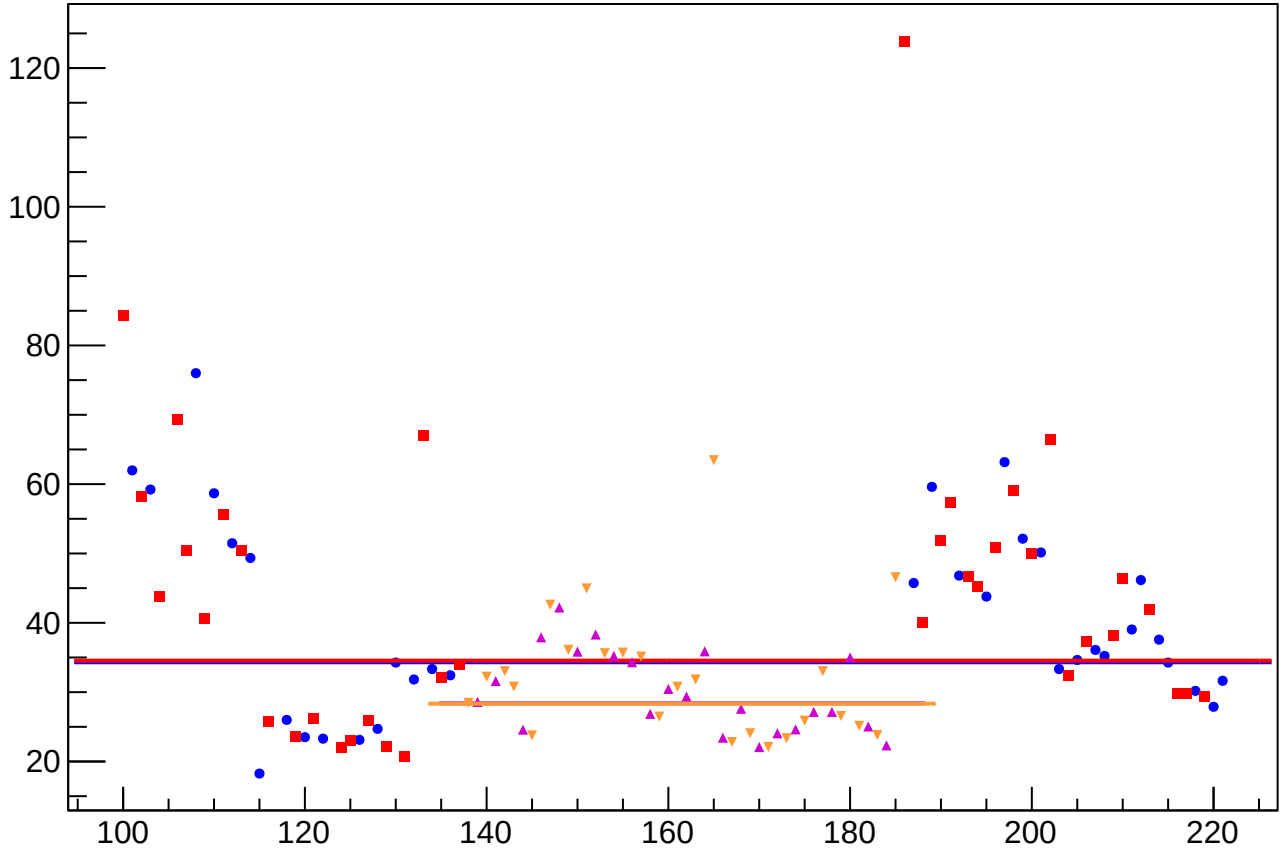
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.012+/-0.004 χ^2/NDF: 175.3/118

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.313+/-0.005 χ^2/NDF: 3313910.5/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

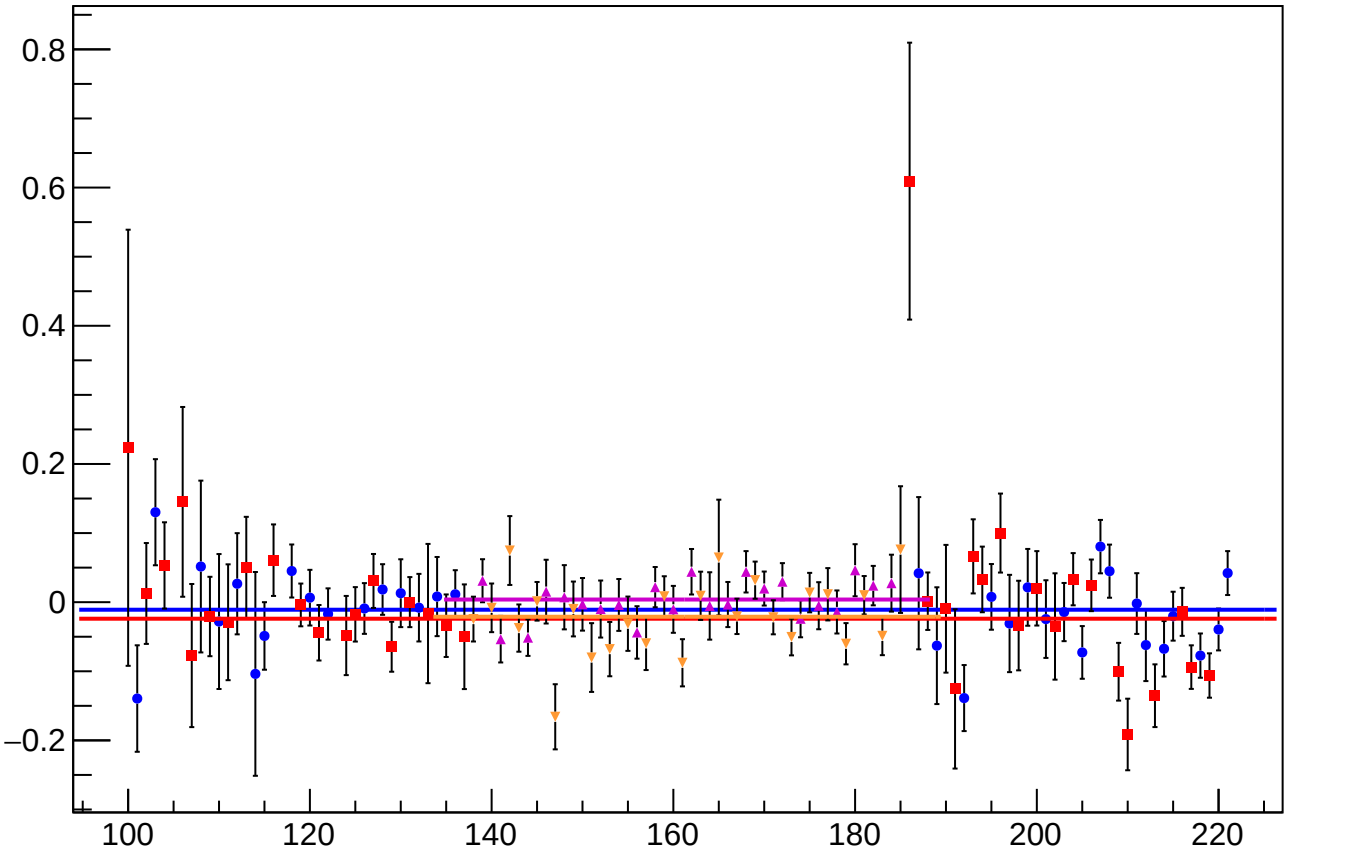
Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

\+ sign 30.873+/-0.004 χ^2/NDF: 5726858.0/58

All: 30.926+/-0.003 χ^2/NDF: 11791899.1/118

\- sign 30.982+/-0.004 χ^2/NDF: 6064586.1/59



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

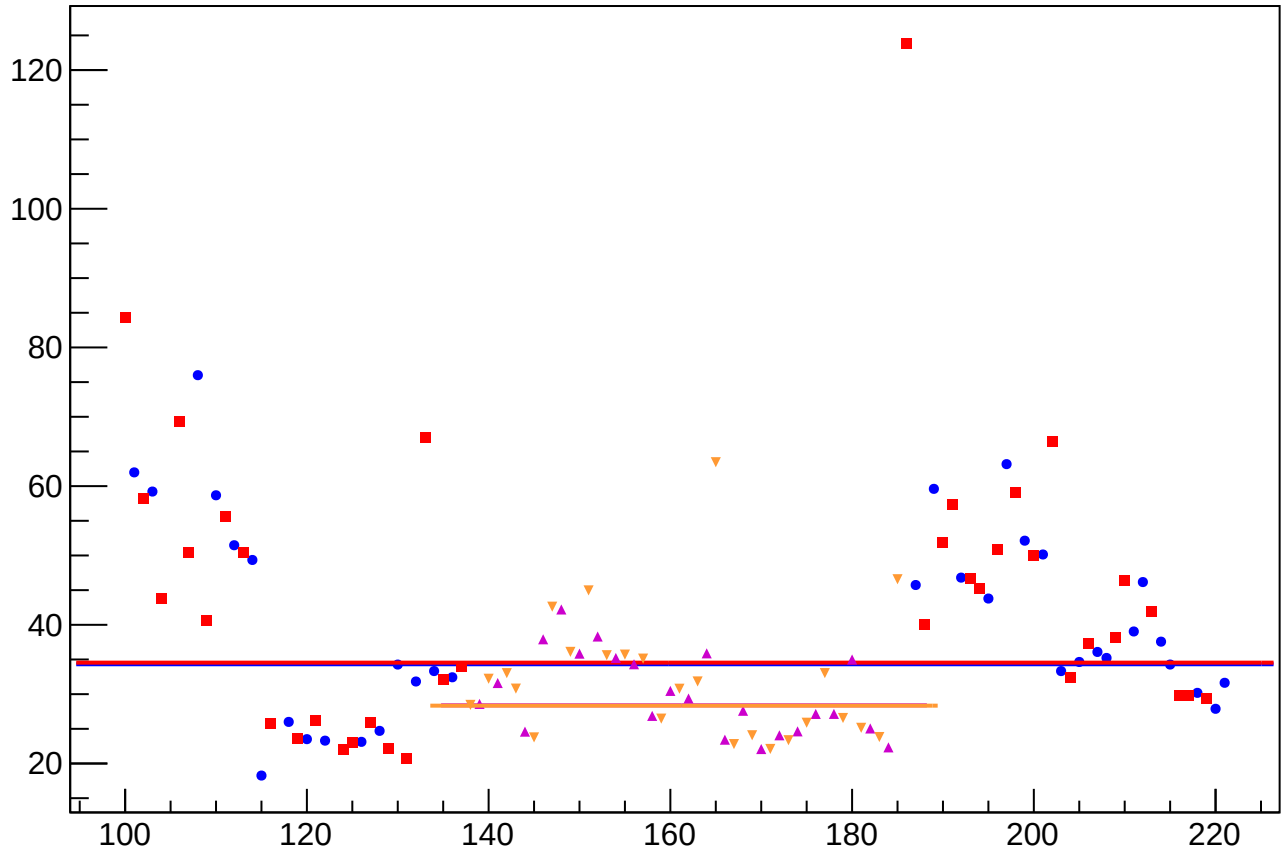
Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.012+/-0.004 χ^2/NDF: 175.3/118

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59



Right In: 34.313+/-0.005 χ^2/NDF: 3313910.5/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

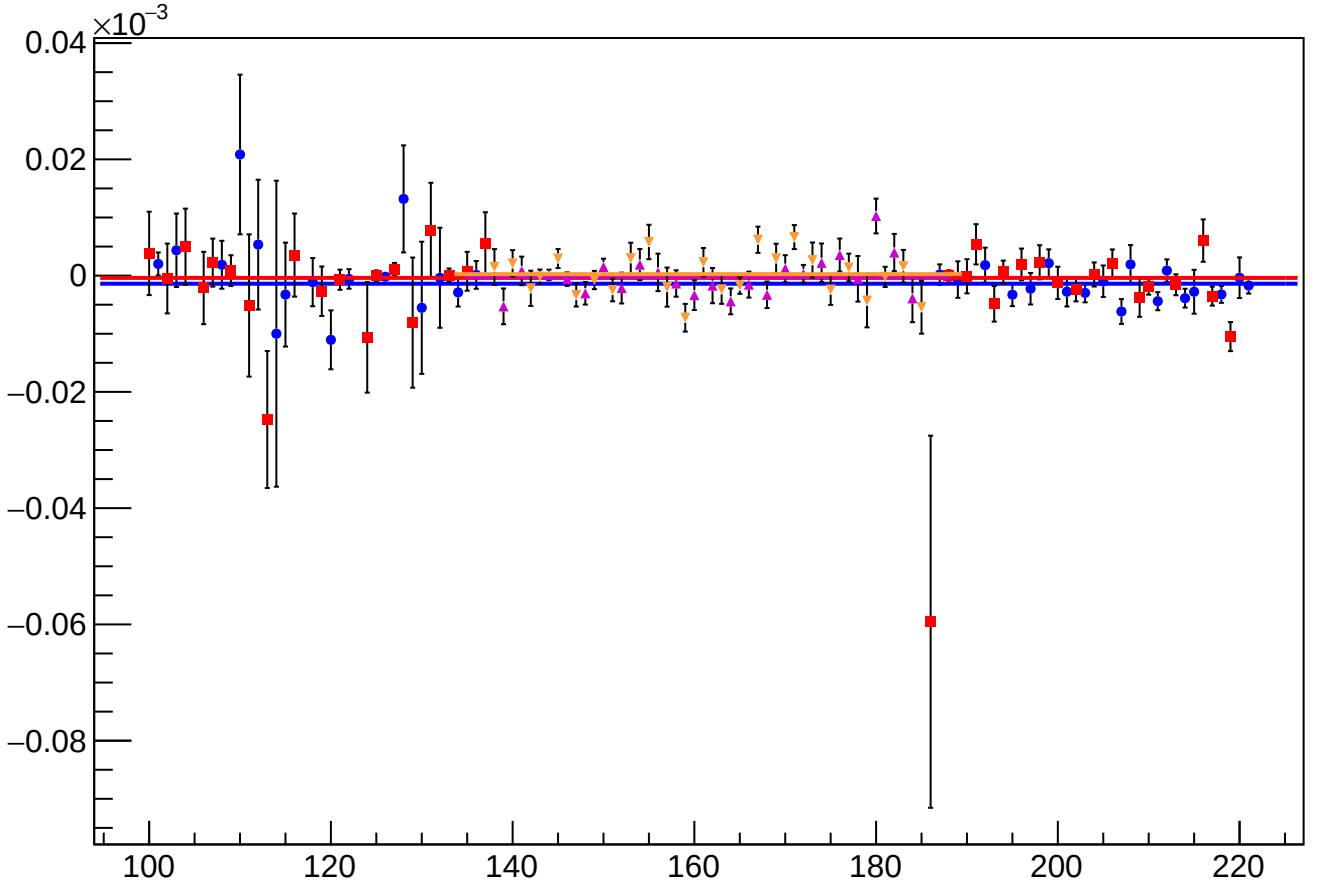
Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726858.0/58

All: 30.926+/-0.003 χ^2/NDF: 11791899.1/118

- sign 30.982+/-0.004 χ^2/NDF: 6064586.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.6/36

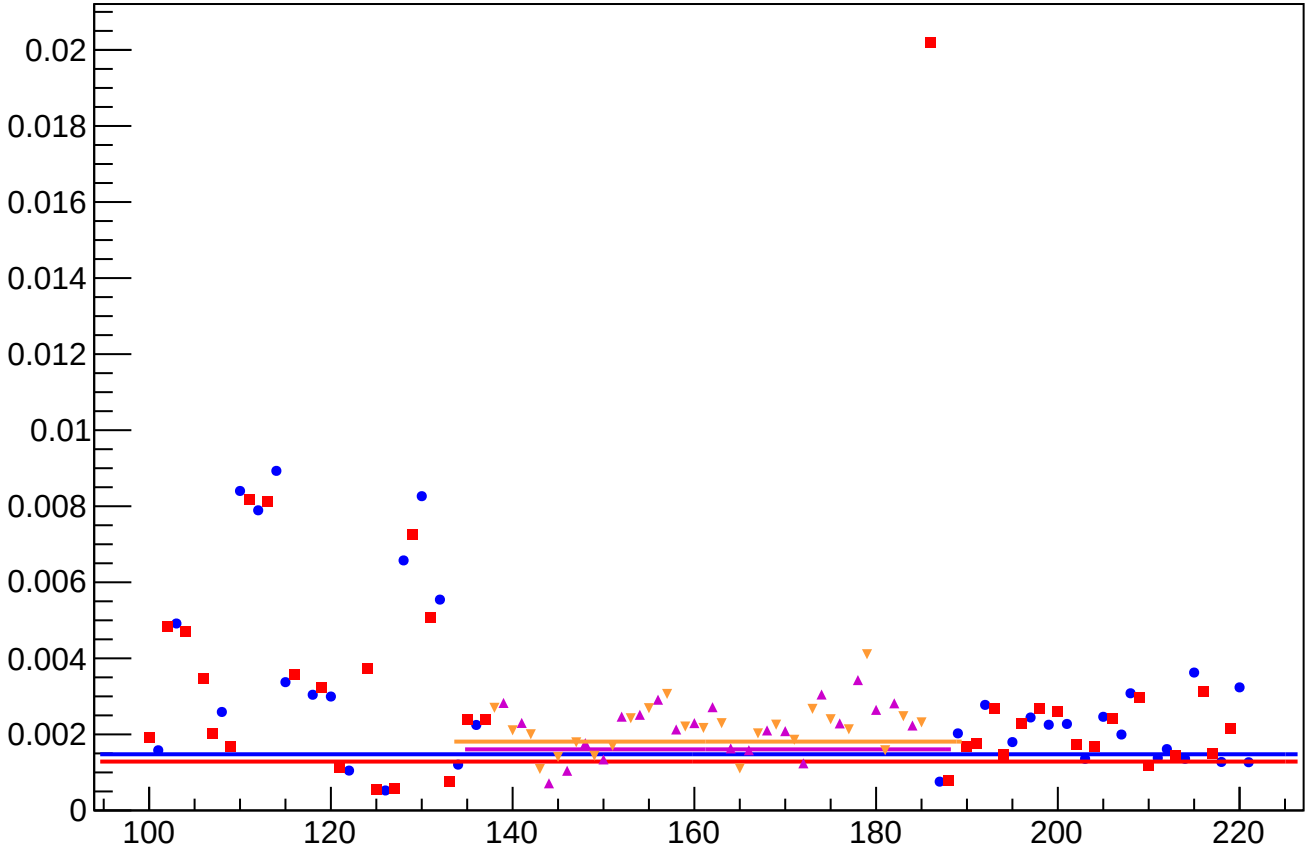
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.6/58

All: -0.000+/-0.000 χ^2/NDF: 183.4/118

- sign -0.000+/-0.000 χ^2/NDF: 84.9/59

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11012059.2/33

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

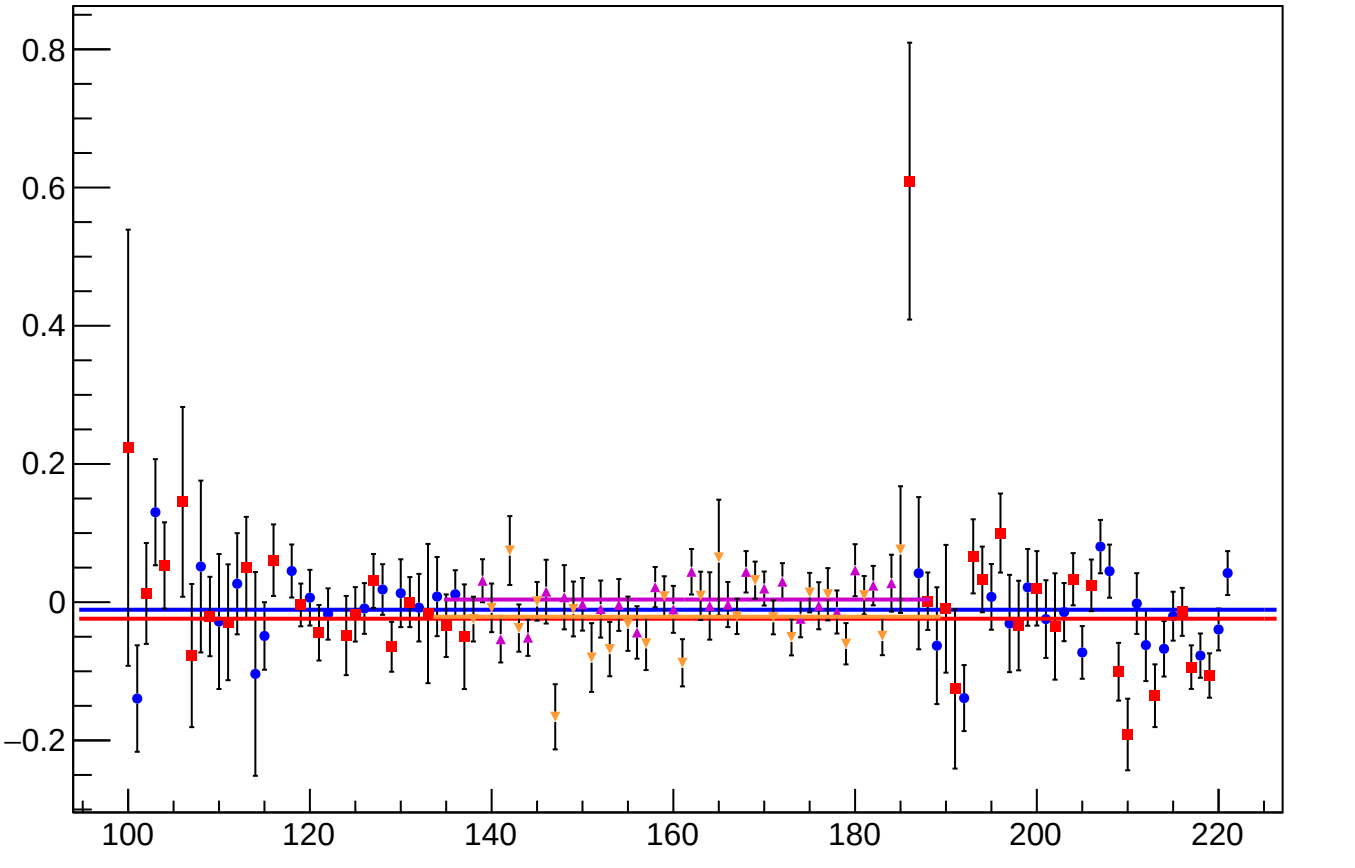
Right Out: 0.001+/-0.000 χ^2/NDF: 12488221.3/36

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 15112320.1/58

All: 0.002+/-0.000 χ^2/NDF: 34857829.9/118

- sign 0.001+/-0.000 χ^2/NDF: 19202562.3/59



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

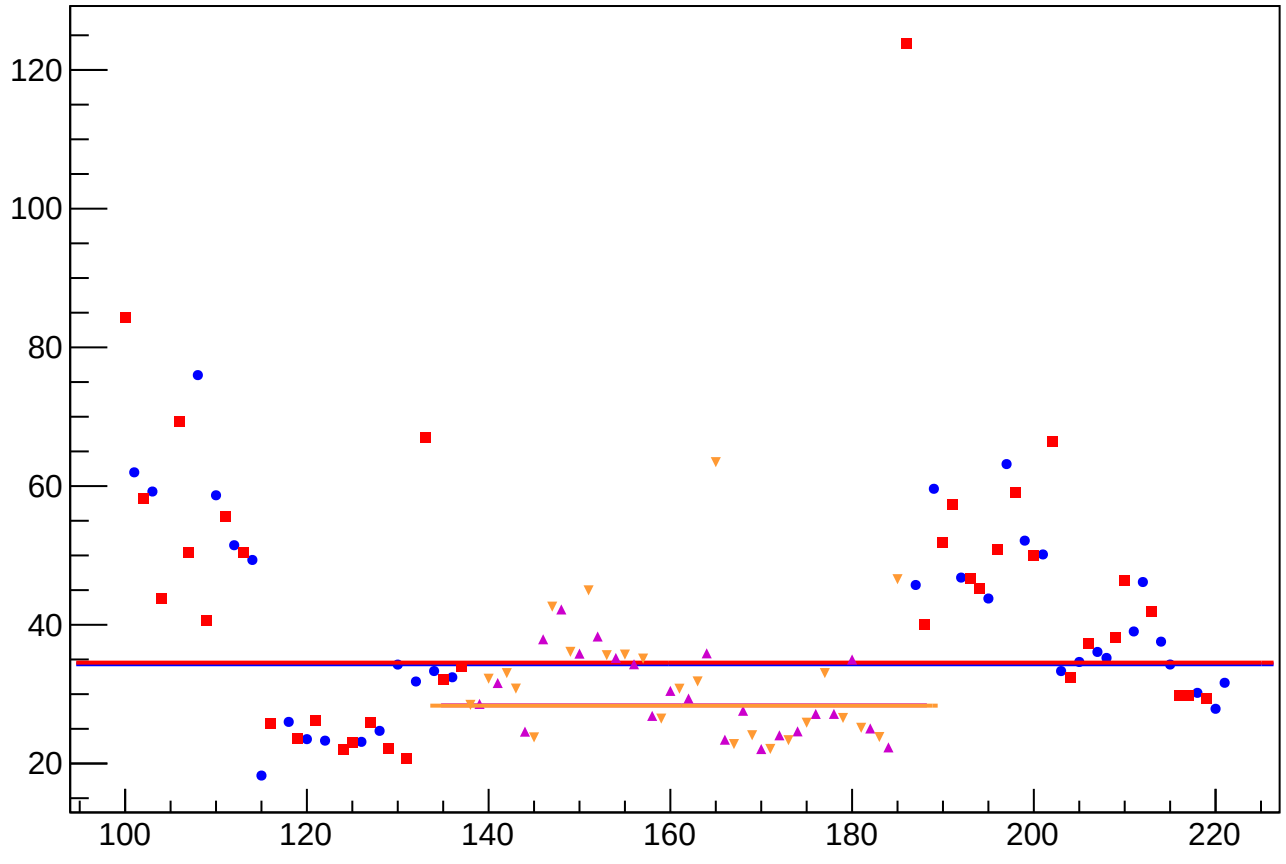
Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.012+/-0.004 χ^2/NDF: 175.3/118

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59



Right In: 34.313+/-0.005 χ^2/NDF: 3313789.3/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

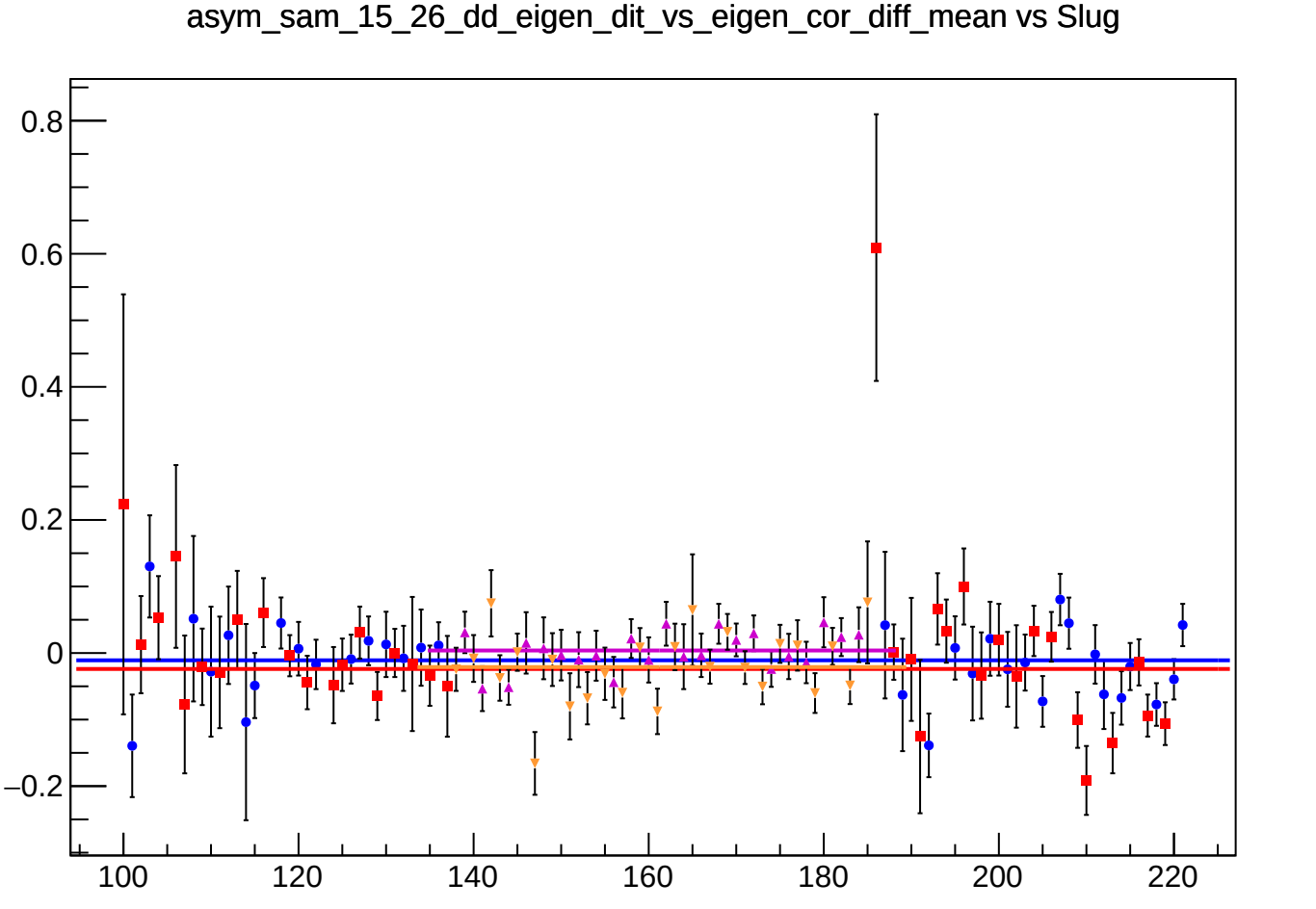
Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726712.3/58

All: 30.926+/-0.003 χ^2/NDF: 11791735.7/118

- sign 30.982+/-0.004 χ^2/NDF: 6064568.3/59



Right In: -0.011+/-0.008 χ^2/NDF: 41.2/33

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

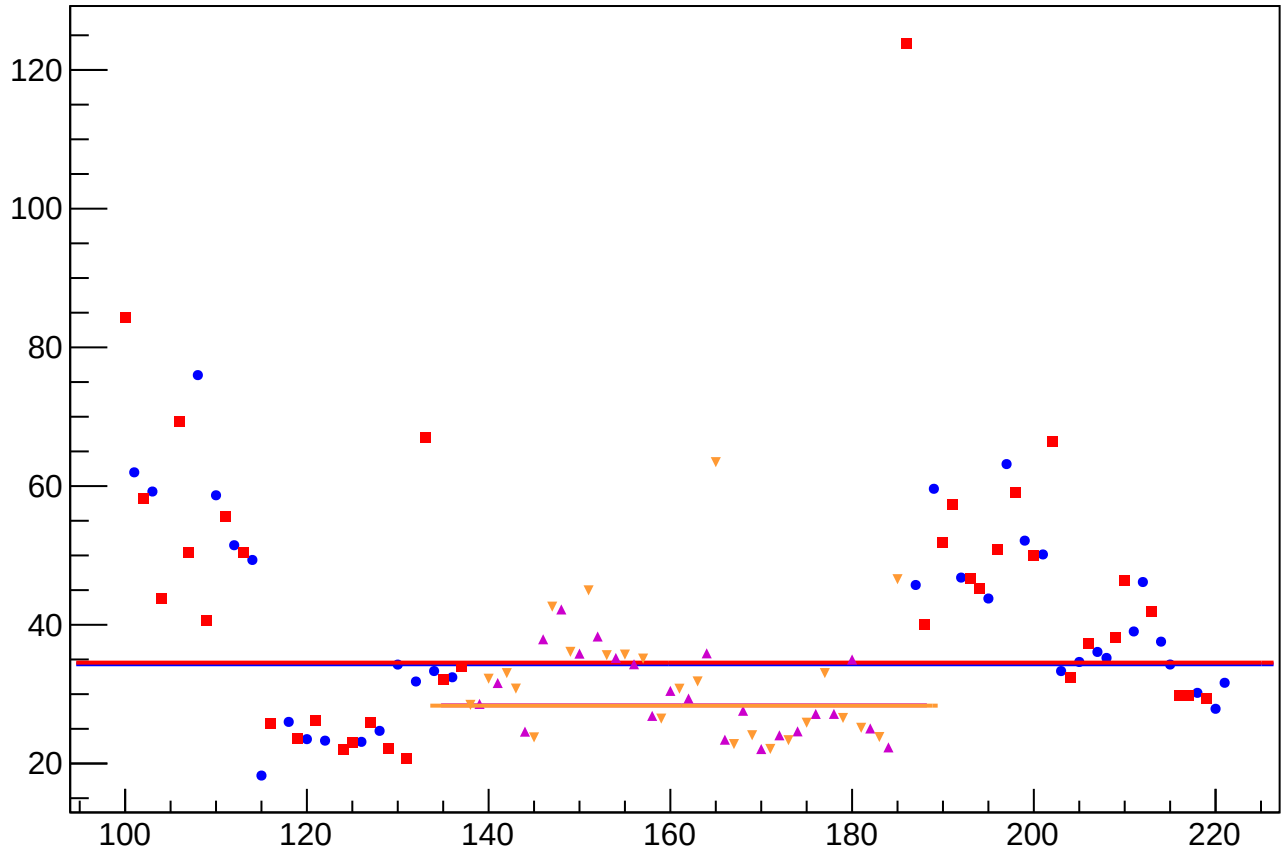
Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.017+/-0.005 χ^2/NDF: 79.4/58

All: -0.012+/-0.004 χ^2/NDF: 175.3/118

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59



Right In: 34.313+/-0.005 χ^2/NDF: 3313789.3/33

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

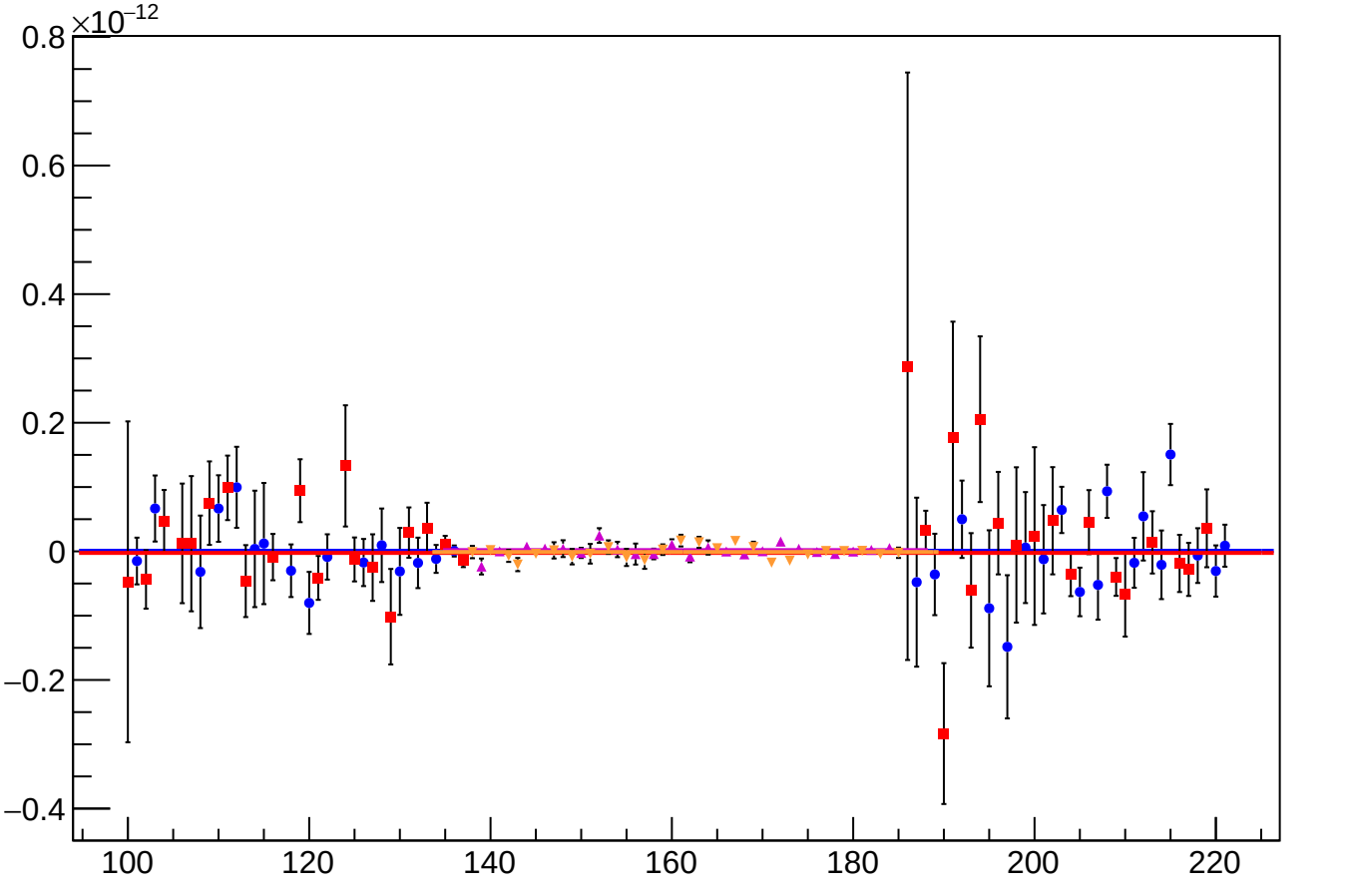
Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.873+/-0.004 χ^2/NDF: 5726712.3/58

All: 30.926+/-0.003 χ^2/NDF: 11791735.7/118

- sign 30.982+/-0.004 χ^2/NDF: 6064568.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 37.7/33

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

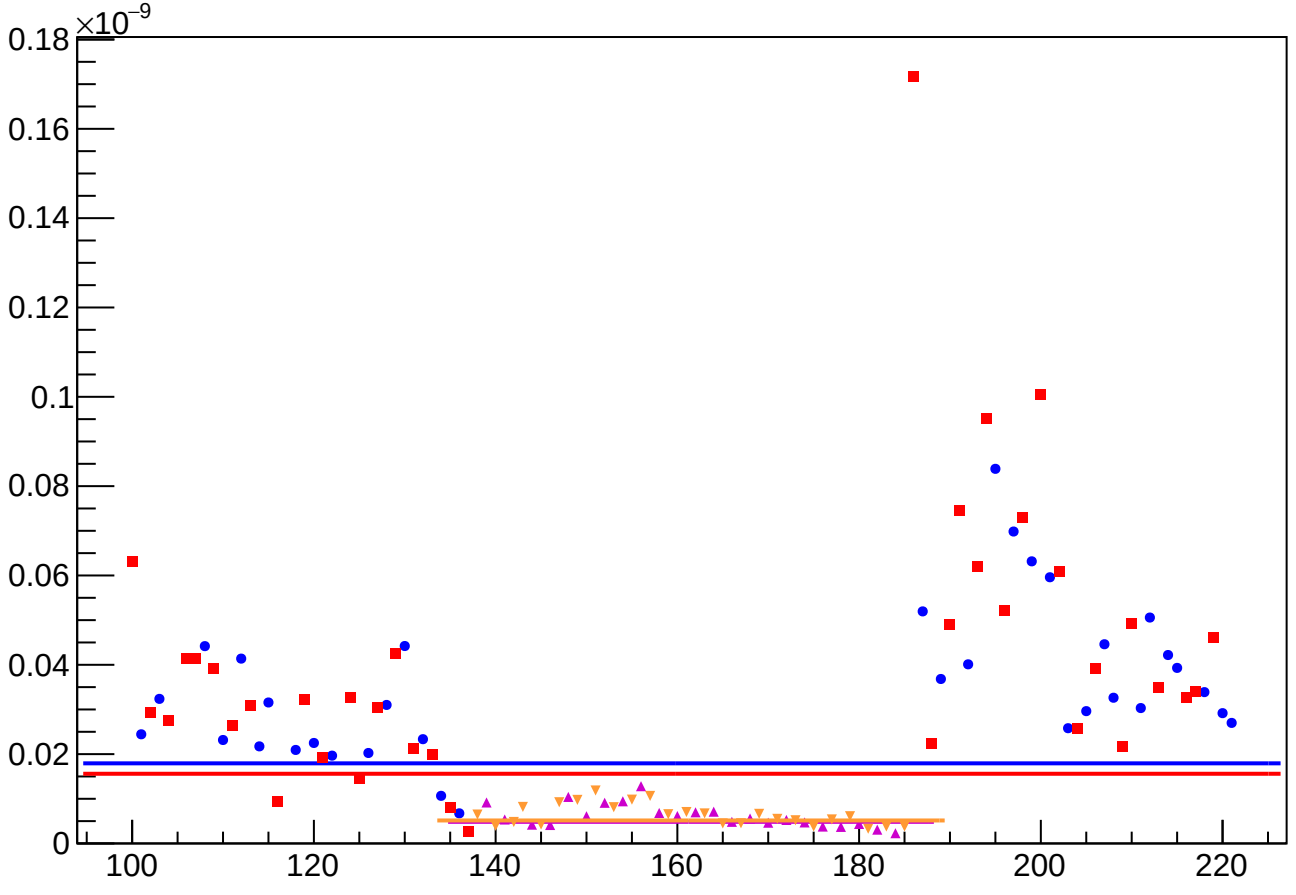
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/36

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.9/58

All: 0.000+/-0.000 χ^2/NDF: 133.5/118

- sign 0.000+/-0.000 χ^2/NDF: 60.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 10577846.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12938916.0/36

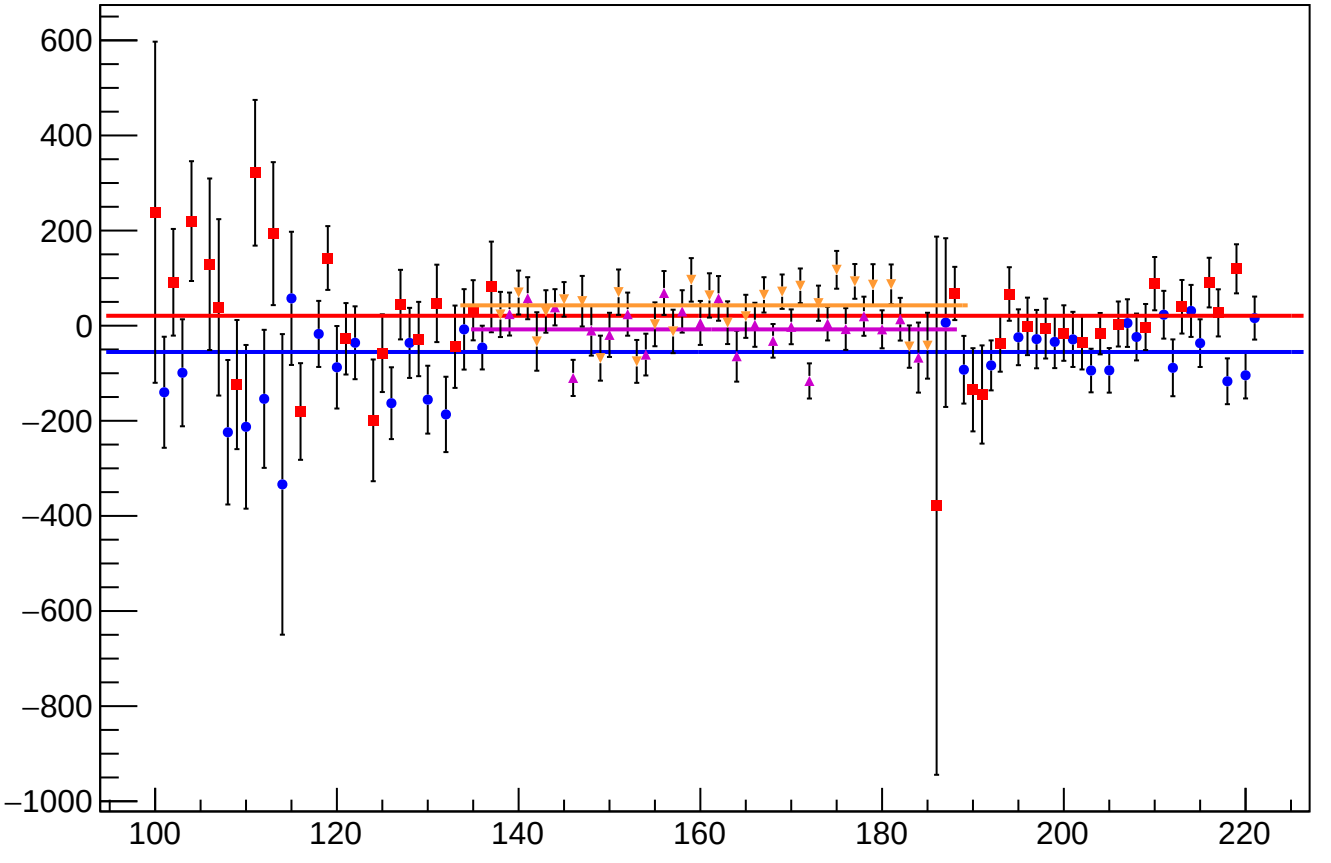
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 22454952.7/58

All: 0.000+/-0.000 χ^2/NDF: 44825312.9/118

- sign 0.000+/-0.000 χ^2/NDF: 22272920.3/59

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -55.303+/-10.883 χ^2/NDF: 27.6/33

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 20.837+/-11.528 χ^2/NDF: 41.5/36

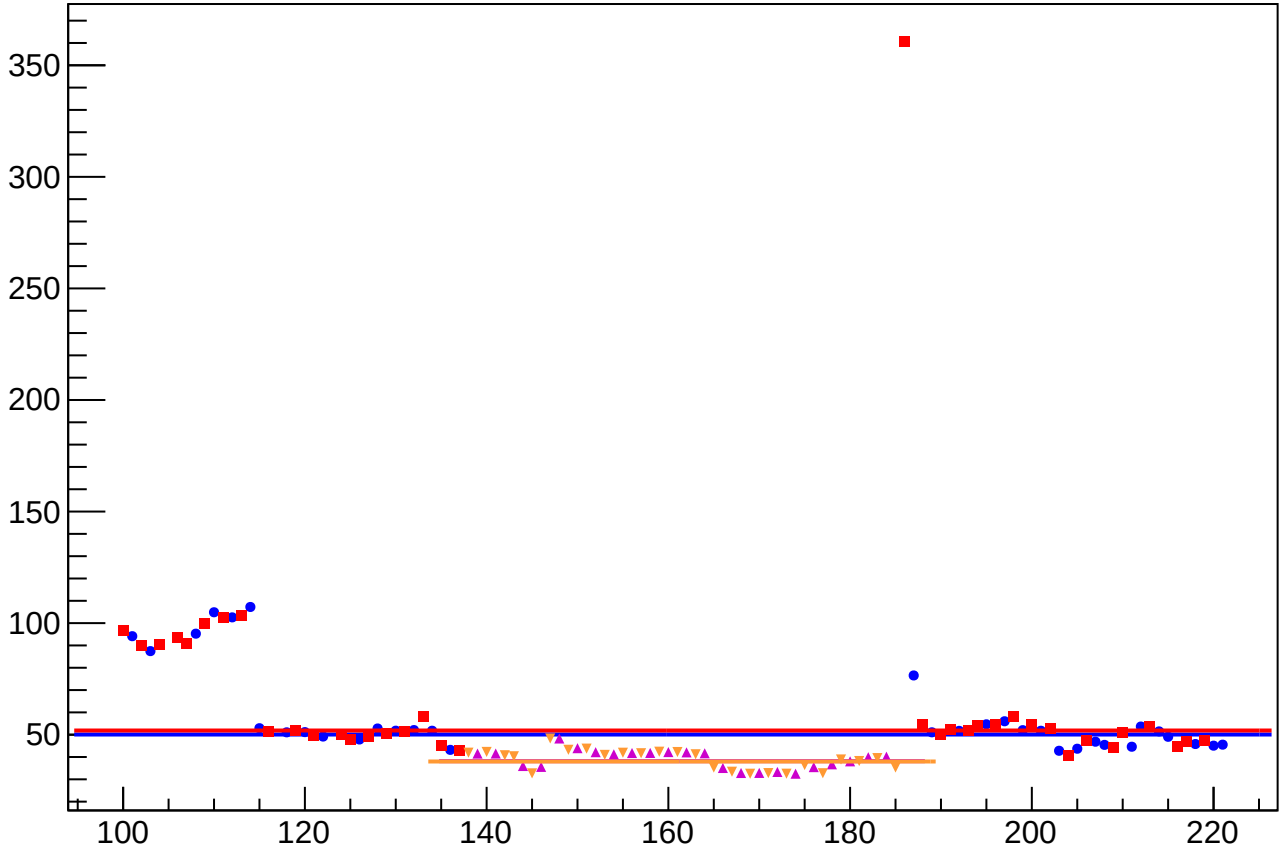
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 4.538+/-6.795 χ^2/NDF: 111.9/58

All: 3.809+/-4.903 χ^2/NDF: 187.9/118

- sign 3.016+/-7.082 χ^2/NDF: 75.9/59

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.077+/-0.008 χ^2/NDF: 1551951.4/33

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

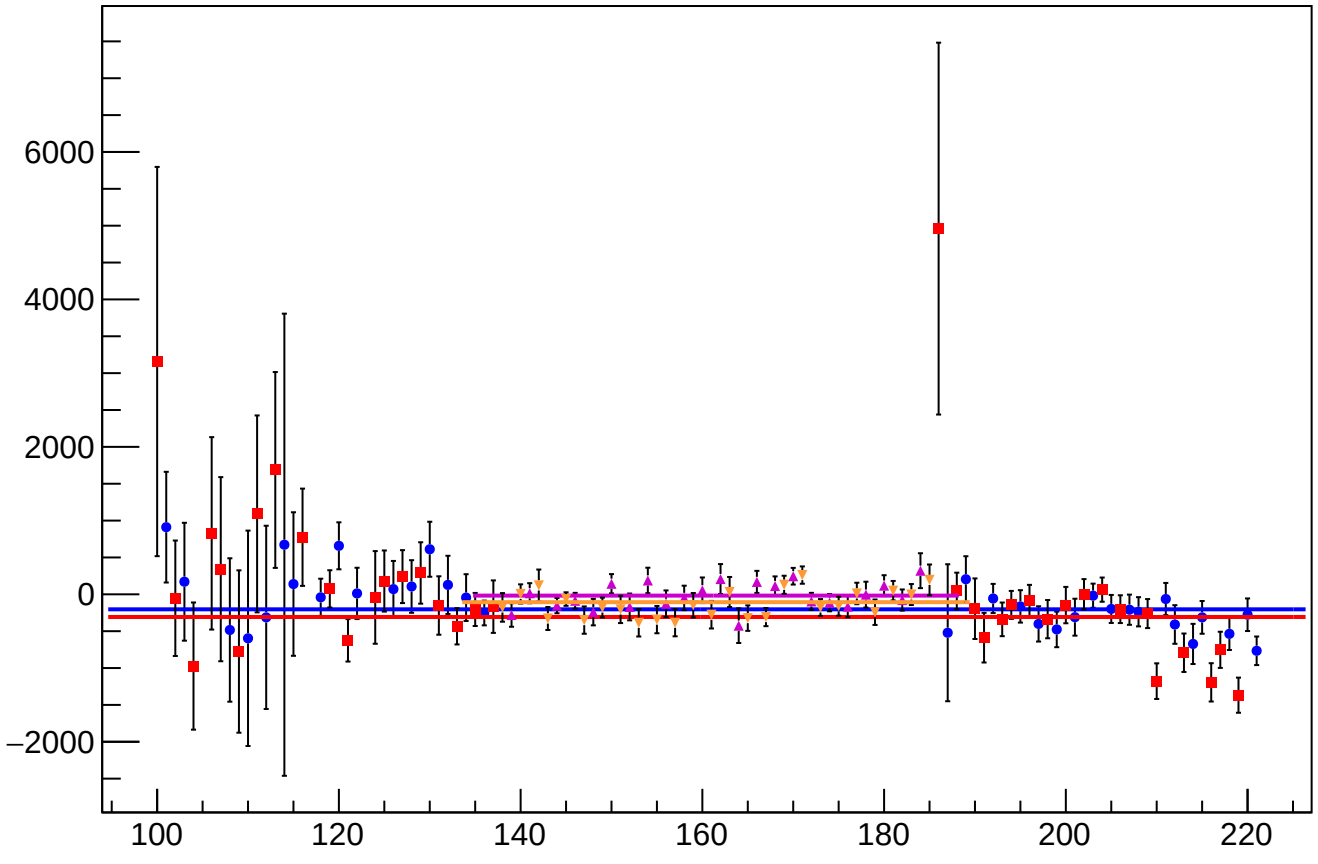
Right Out: 51.875+/-0.008 χ^2/NDF: 2320025.2/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.702+/-0.005 χ^2/NDF: 3571156.6/58

All: 42.997+/-0.003 χ^2/NDF: 8097102.3/118

- sign 43.318+/-0.005 χ^2/NDF: 4518043.7/59



Right In: -203.498+/-45.915 χ^2/NDF: 38.9/33

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -307.447+/-47.942 χ^2/NDF: 88.2/36

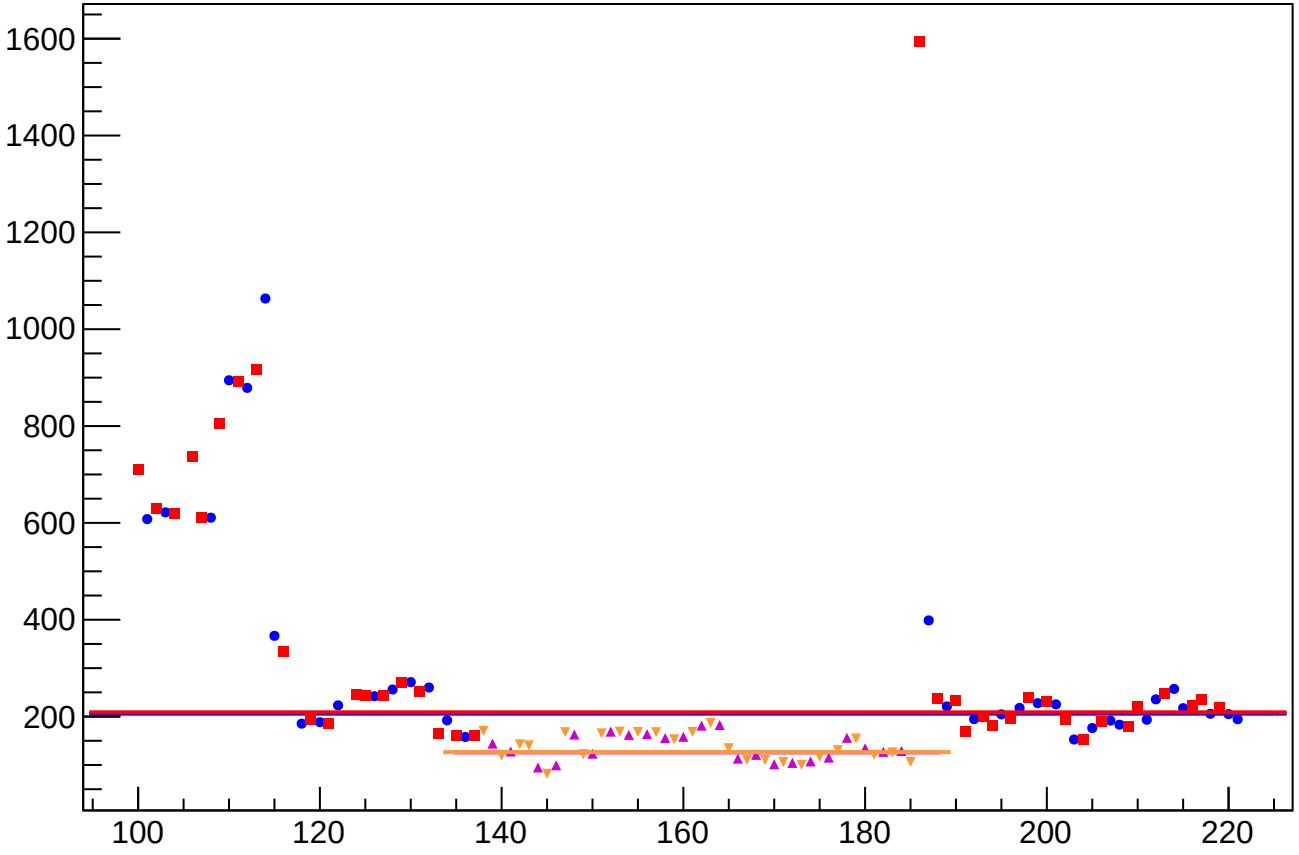
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -134.931+/-24.857 χ^2/NDF: 79.7/58

All: -117.856+/-17.814 χ^2/NDF: 223.3/118

- sign -99.824+/-25.544 χ^2/NDF: 142.6/59

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.061+/-0.032 χ^2/NDF: 3585417.0/33

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 208.775+/-0.034 χ^2/NDF: 4863141.0/36

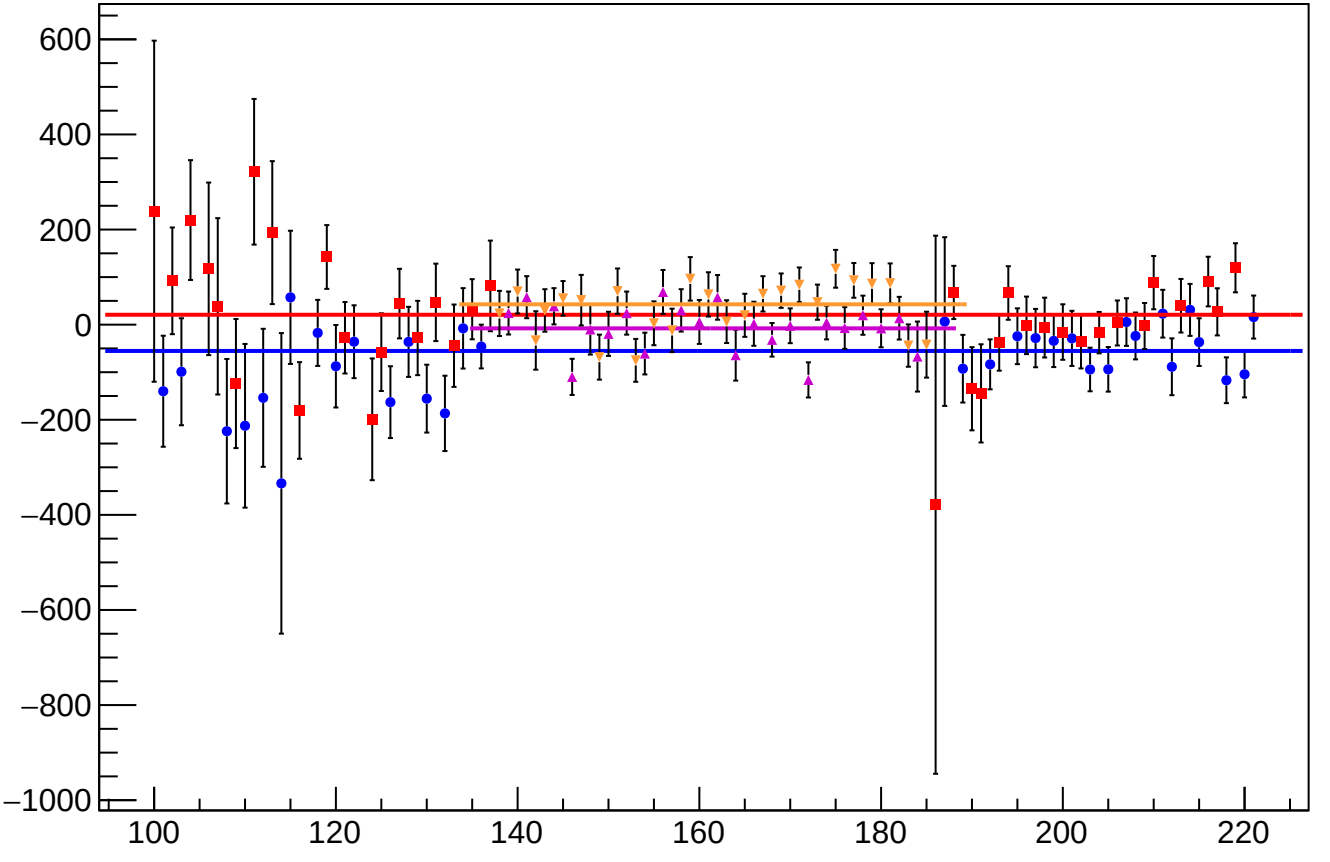
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 149.860+/-0.018 χ^2/NDF: 9582236.7/58

All: 149.689+/-0.013 χ^2/NDF: 20124402.5/11

- sign 149.508+/-0.018 χ^2/NDF: 10541971.4/59

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -55.301+/-10.883 χ^2/NDF: 27.6/33

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 20.793+/-11.528 χ^2/NDF: 41.4/36

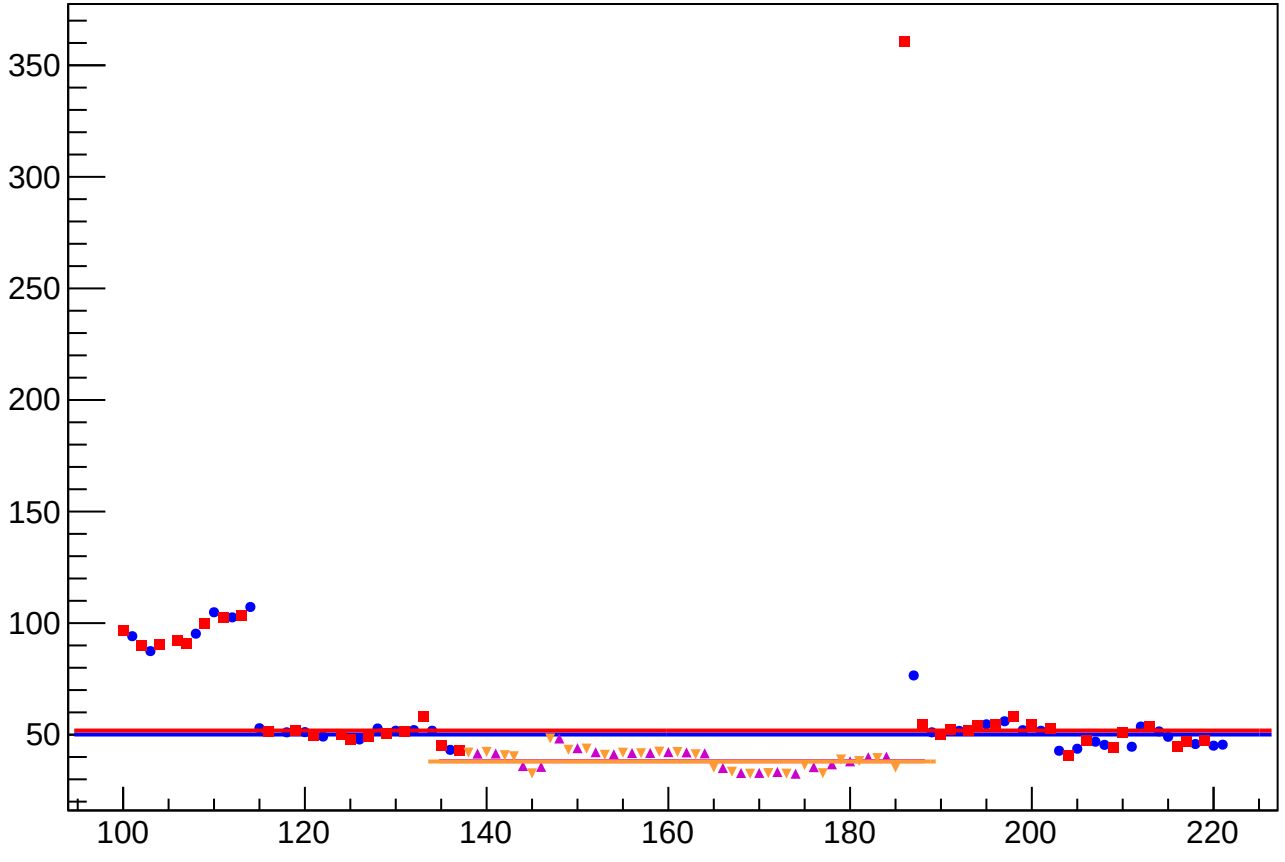
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 4.540+/-6.795 χ^2/NDF: 111.9/58

All: 3.801+/-4.903 χ^2/NDF: 187.8/118

- sign 2.999+/-7.082 χ^2/NDF: 75.9/59

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.077+/-0.008 χ^2/NDF: 1551951.6/33

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

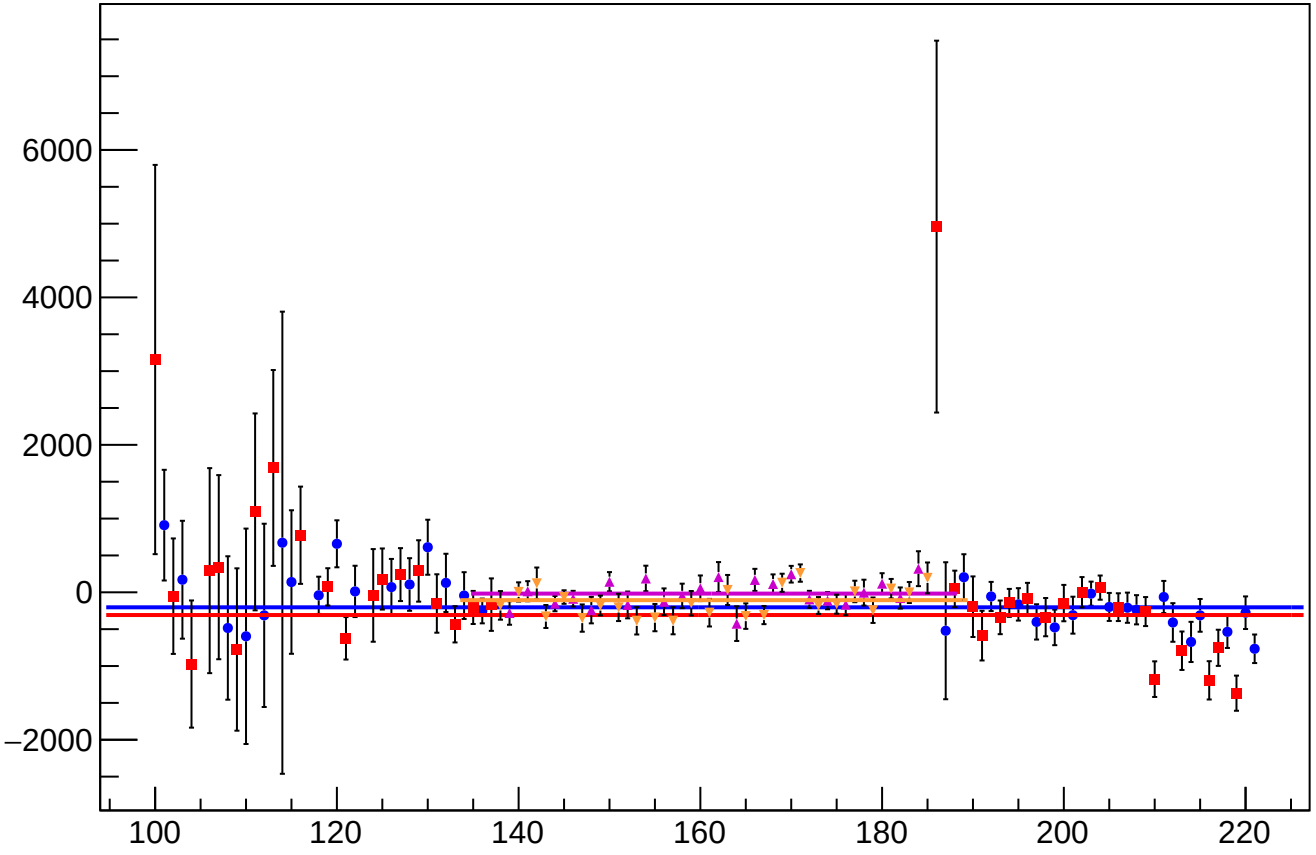
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.702+/-0.005 χ^2/NDF: 3571156.7/58

All: 42.996+/-0.003 χ^2/NDF: 8086089.9/118

\- sign 43.315+/-0.005 χ^2/NDF: 4507114.4/59

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: -203.495+/-45.915 χ^2/NDF: 38.9/33

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -308.255+/-47.945 χ^2/NDF: 87.6/36

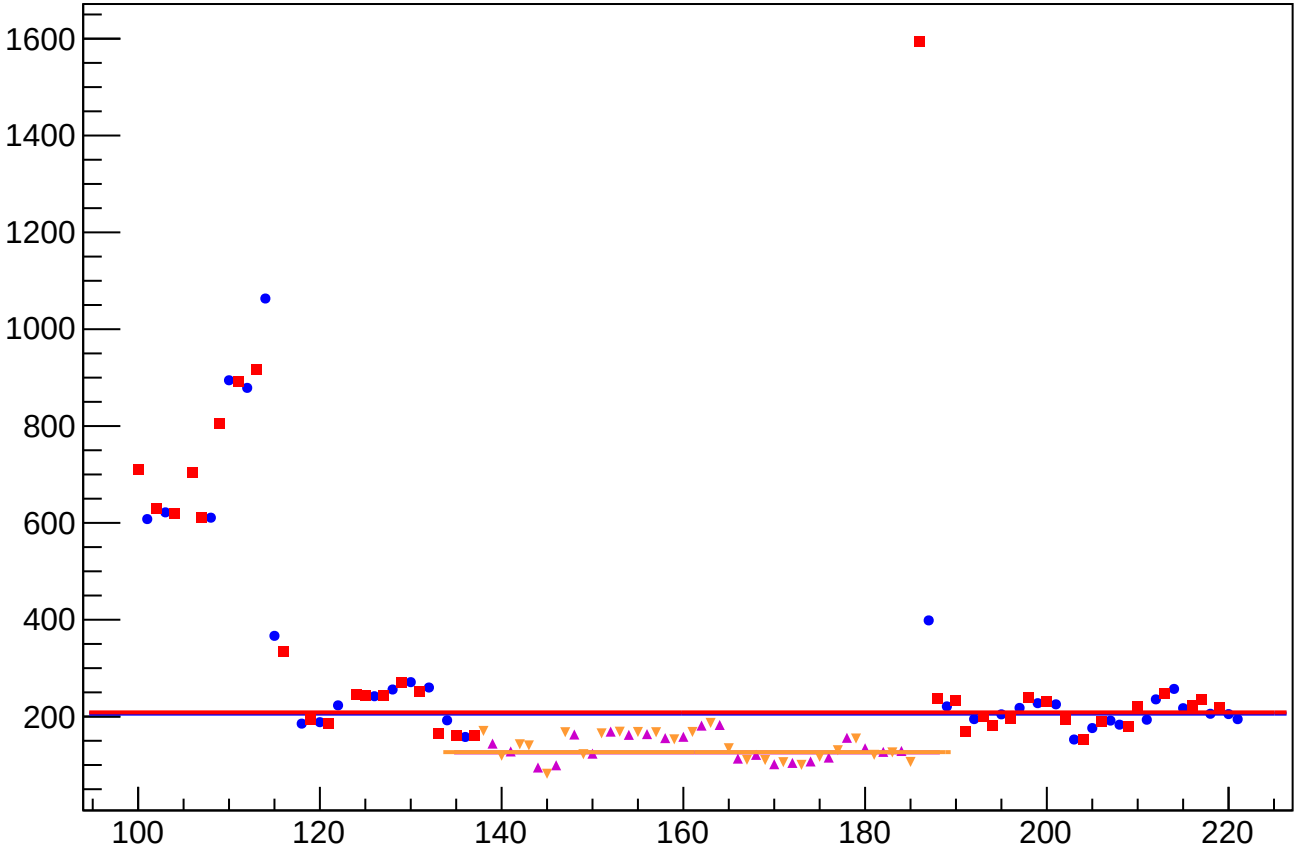
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -134.930+/-24.857 χ^2/NDF: 79.7/58

All: -117.963+/-17.814 χ^2/NDF: 222.9/118

- sign -100.044+/-25.544 χ^2/NDF: 142.2/59

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.061+/-0.032 χ^2/NDF: 3585425.6/33

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

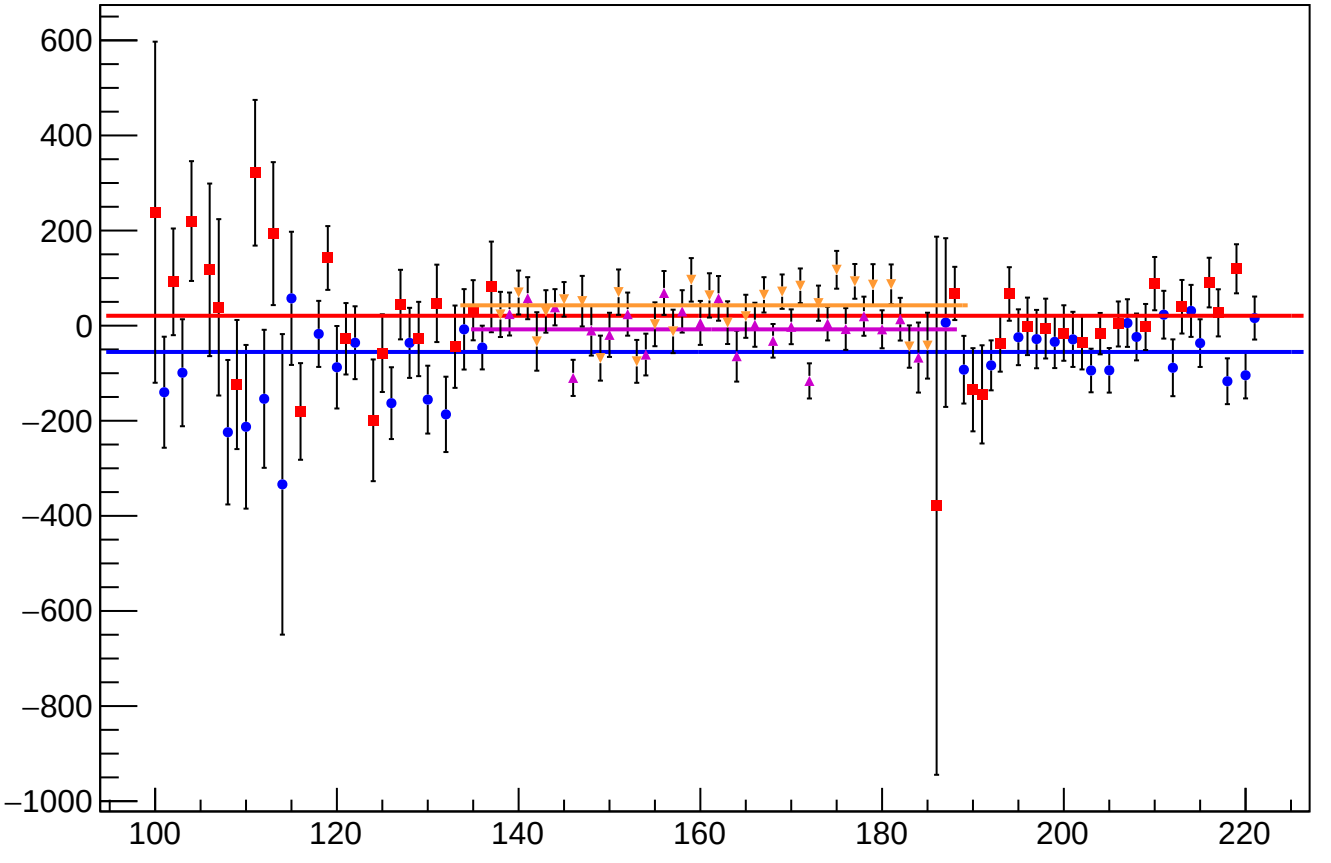
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 149.860+/-0.018 χ^2/NDF: 9582232.1/58

All: 149.671+/-0.013 χ^2/NDF: 20038675.8/11

- sign 149.471+/-0.018 χ^2/NDF: 10456205.2/59

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -55.301+/-10.883 χ^2/NDF: 27.6/33

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 20.793+/-11.528 χ^2/NDF: 41.4/36

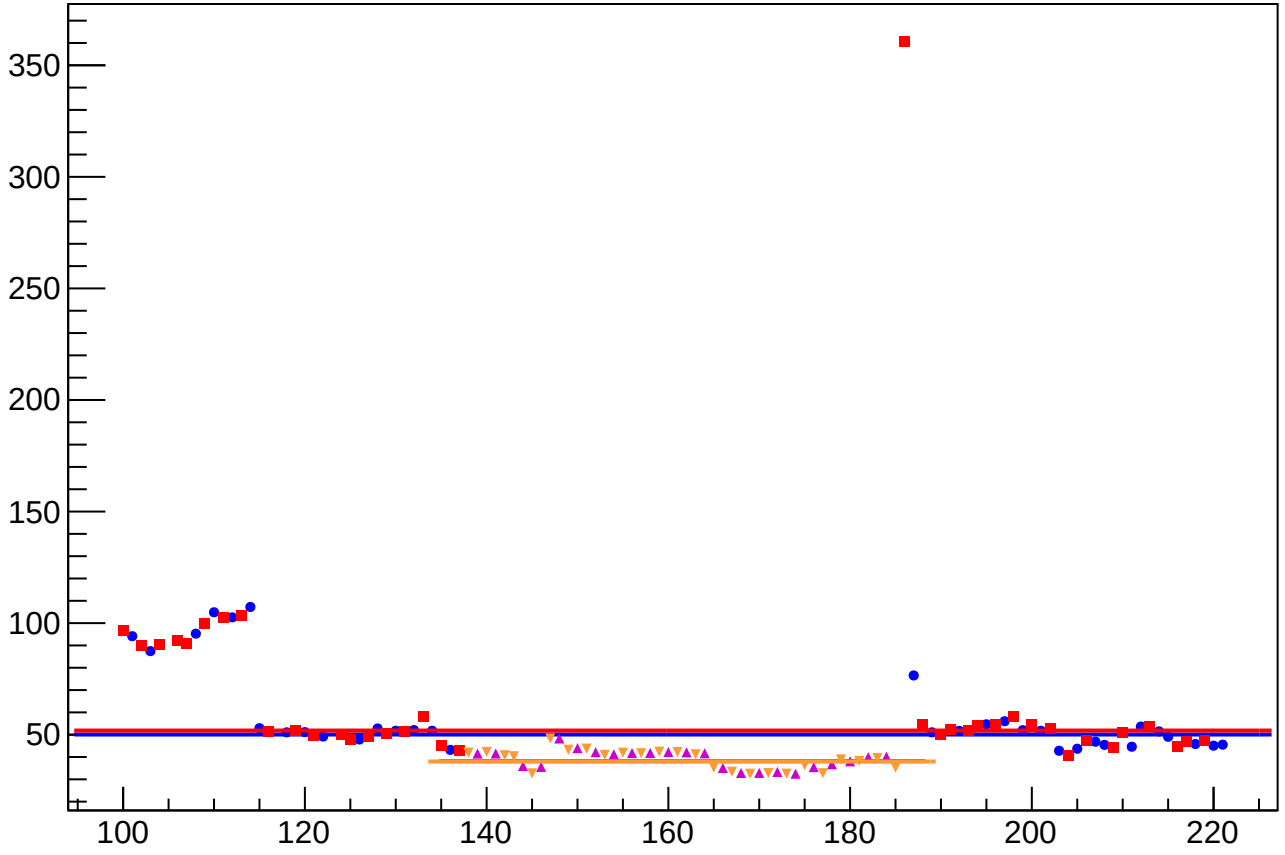
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 4.540+/-6.795 χ^2/NDF: 111.9/58

All: 3.801+/-4.903 χ^2/NDF: 187.8/118

- sign 2.999+/-7.082 χ^2/NDF: 75.9/59

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.077+/-0.008 χ^2/NDF: 1551951.6/33

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

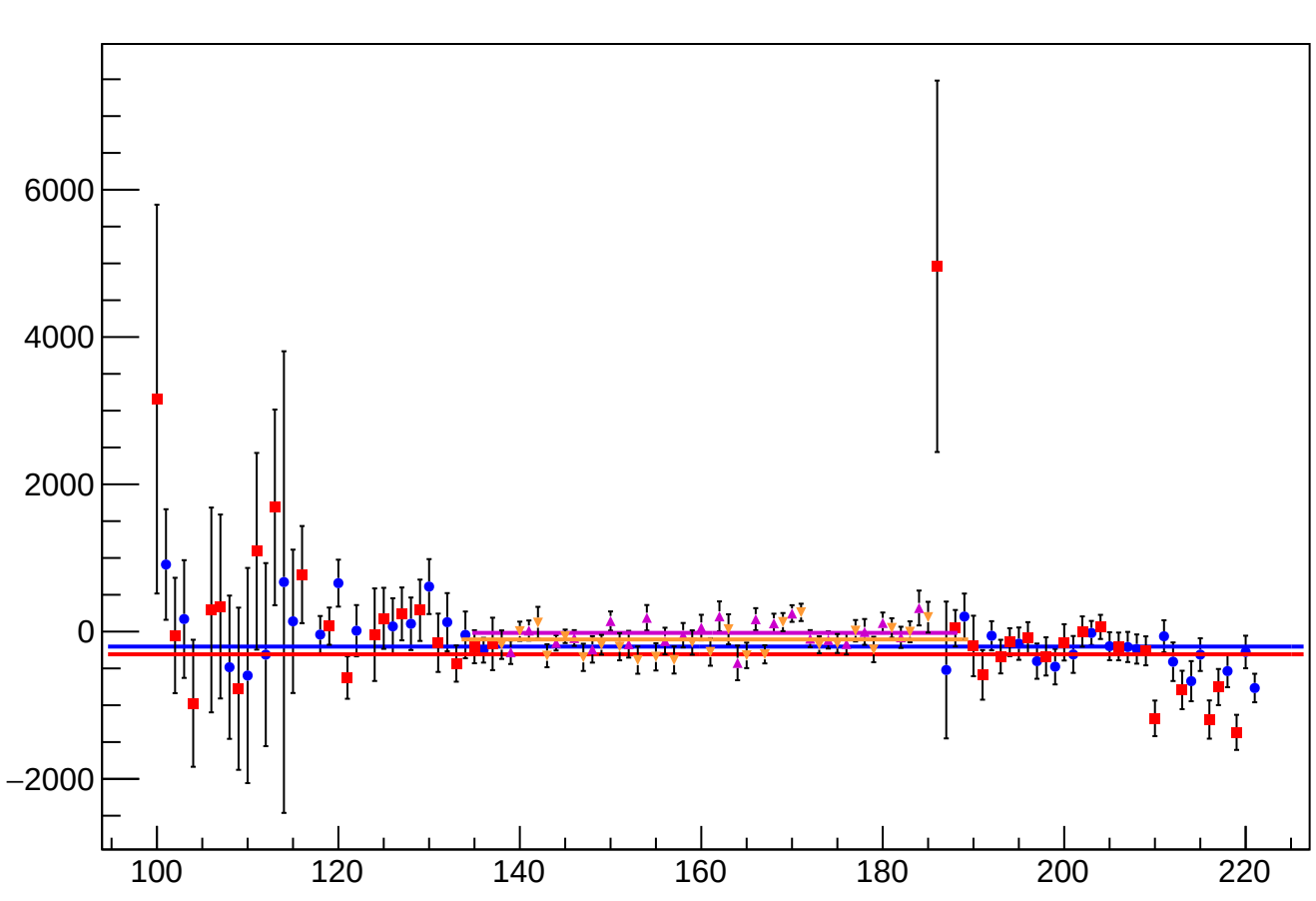
Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.702+/-0.005 χ^2/NDF: 3571156.7/58

All: 42.996+/-0.003 χ^2/NDF: 8086089.9/118

\- sign 43.315+/-0.005 χ^2/NDF: 4507114.4/59



Right In: -203.495+/-45.915 χ^2/NDF: 38.9/33

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -308.255+/-47.945 χ^2/NDF: 87.6/36

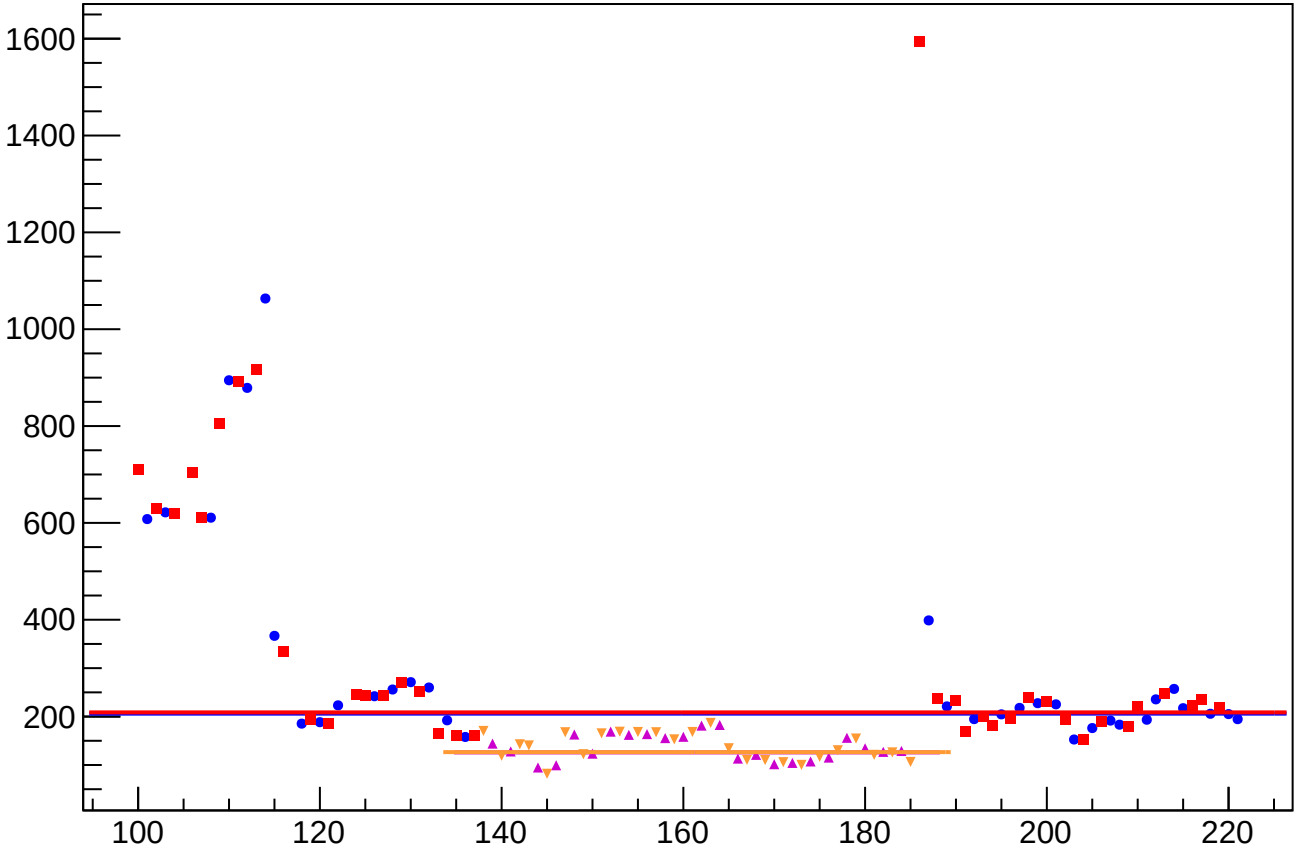
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -134.930+/-24.857 χ^2/NDF: 79.7/58

All: -117.963+/-17.814 χ^2/NDF: 222.9/118

- sign -100.044+/-25.544 χ^2/NDF: 142.2/59

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 206.061+/-0.032 χ^2/NDF: 3585425.6/33

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

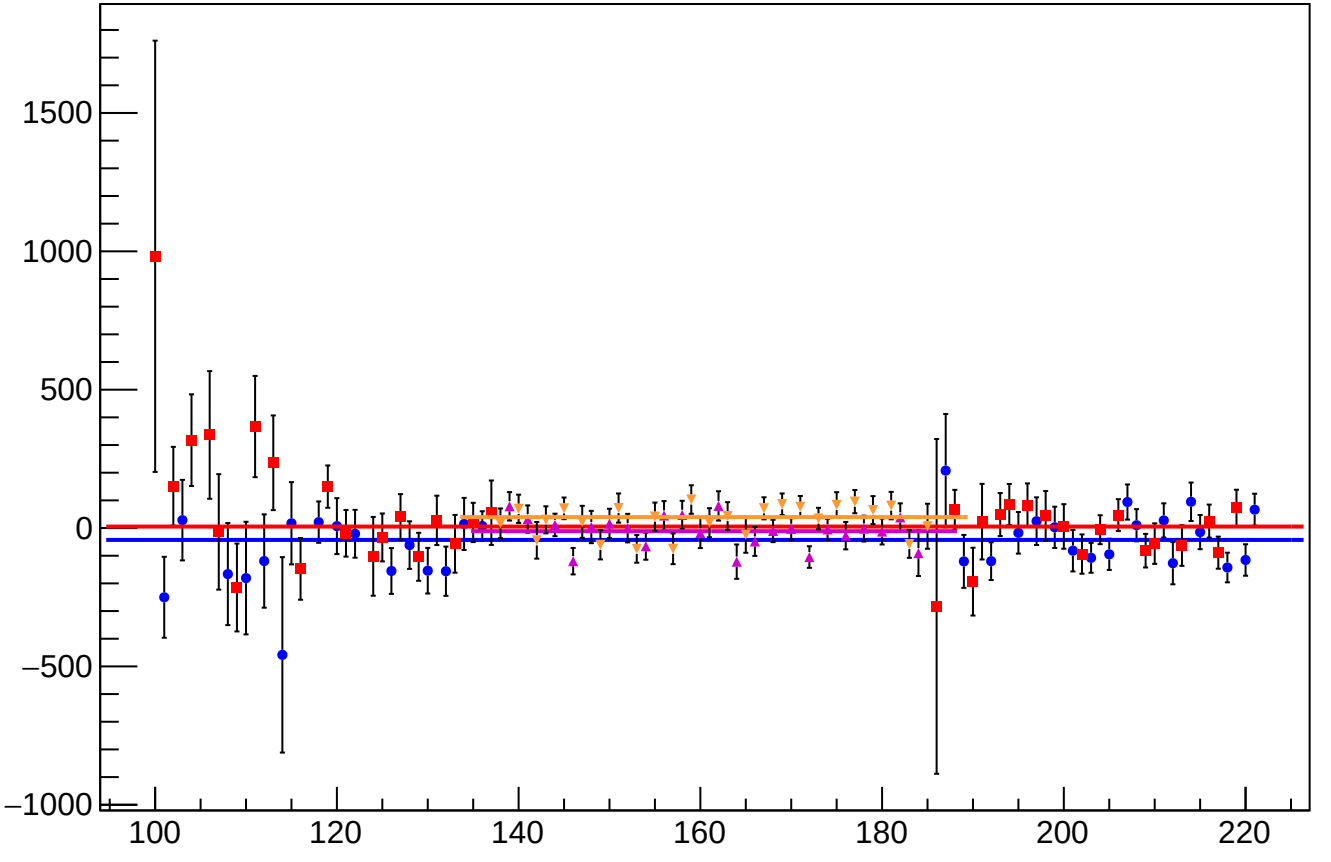
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 149.860+/-0.018 χ^2/NDF: 9582232.1/58

All: 149.671+/-0.013 χ^2/NDF: 20038675.8/11

- sign 149.471+/-0.018 χ^2/NDF: 10456205.2/59

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -42.833+/-13.192 χ^2/NDF: 40.5/33

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 5.369+/-14.138 χ^2/NDF: 40.8/36

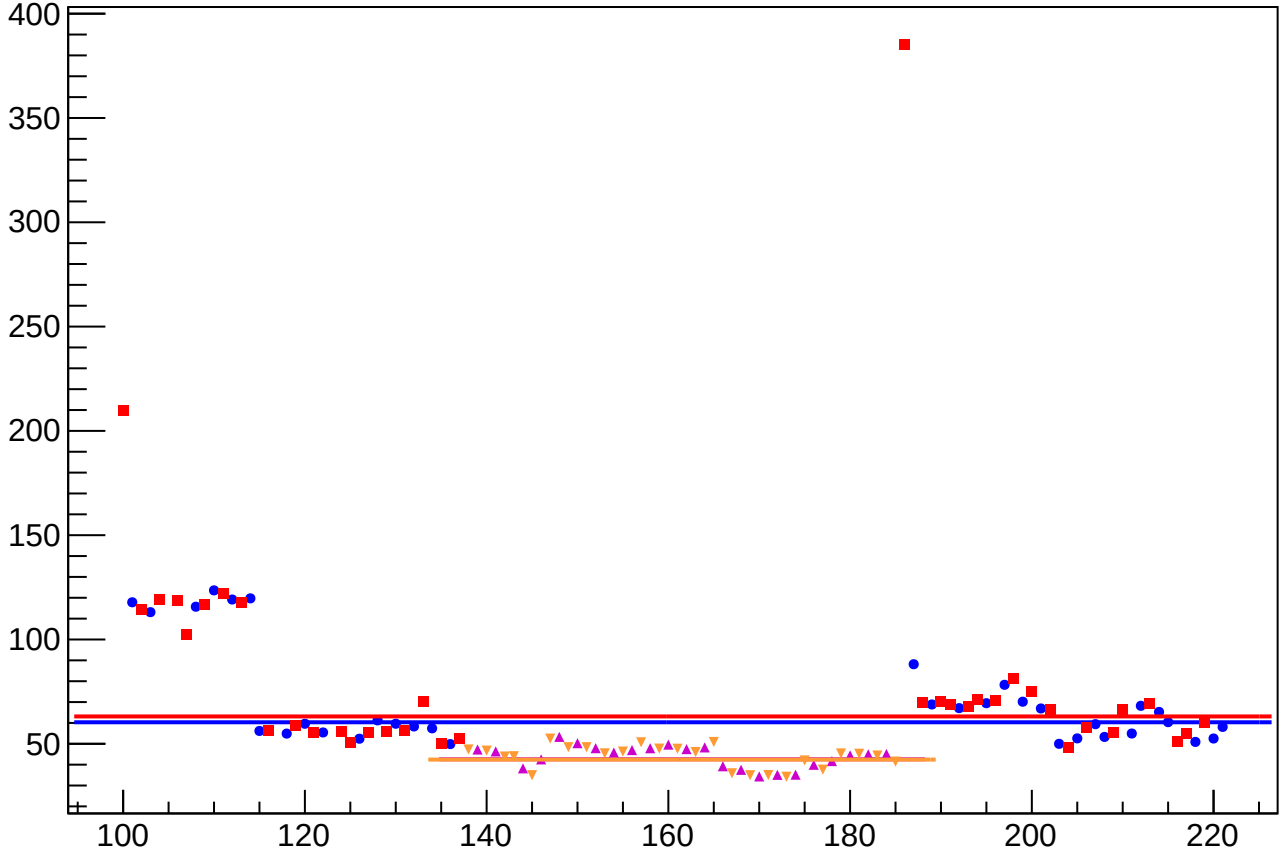
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 10.472+/-7.838 χ^2/NDF: 95.3/58

All: 2.762+/-5.668 χ^2/NDF: 167.0/118

- sign -5.688+/-8.206 χ^2/NDF: 69.6/59

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.316+/-0.009 χ^2/NDF: 1892951.2/33

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 63.115+/-0.010 χ^2/NDF: 2726101.8/36

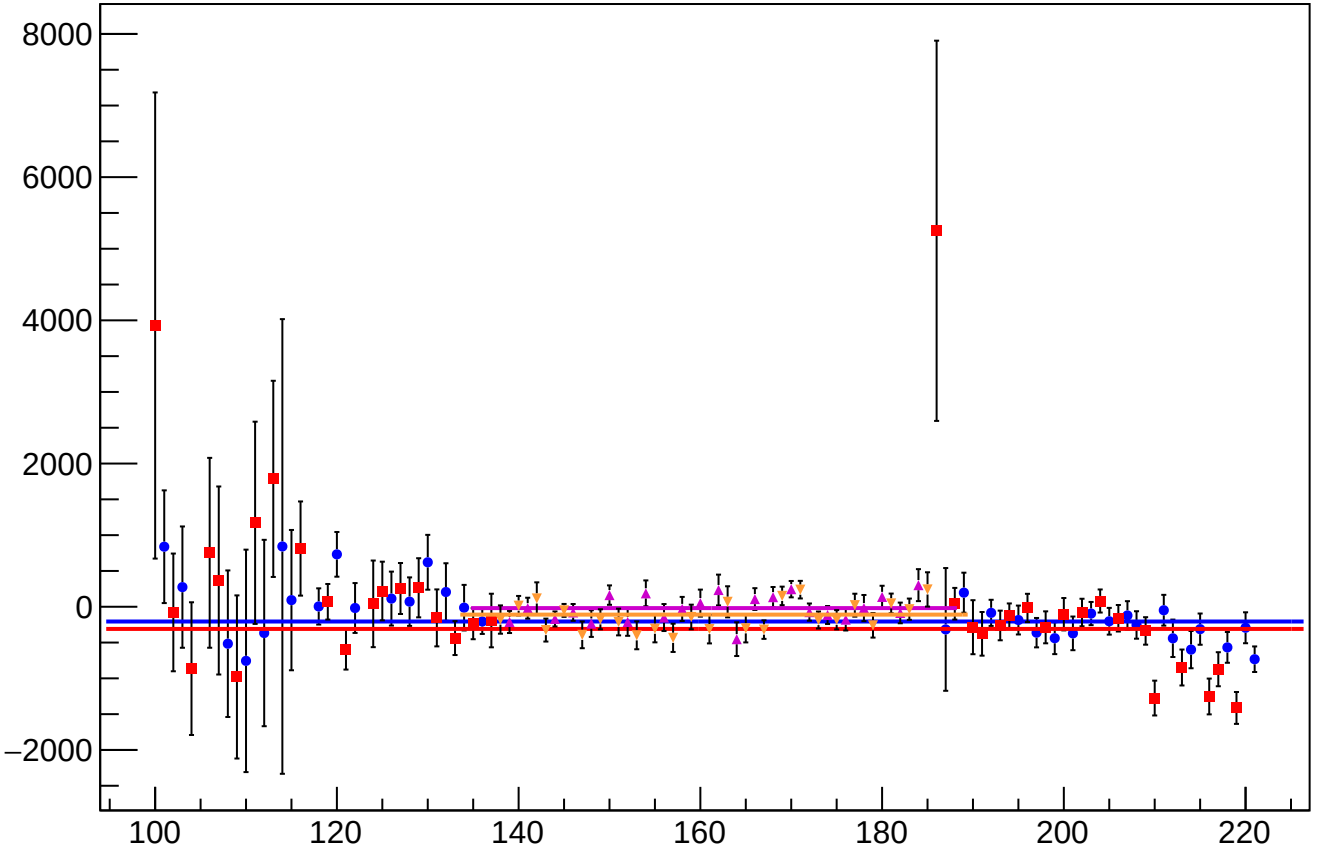
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 48.743+/-0.006 χ^2/NDF: 4971460.0/58

All: 49.103+/-0.004 χ^2/NDF: 11094666.4/118

- sign 49.497+/-0.006 χ^2/NDF: 6114353.6/59

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -206.023+/-44.351 χ^2/NDF: 41.0/33

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -309.666+/-45.608 χ^2/NDF: 104.1/36

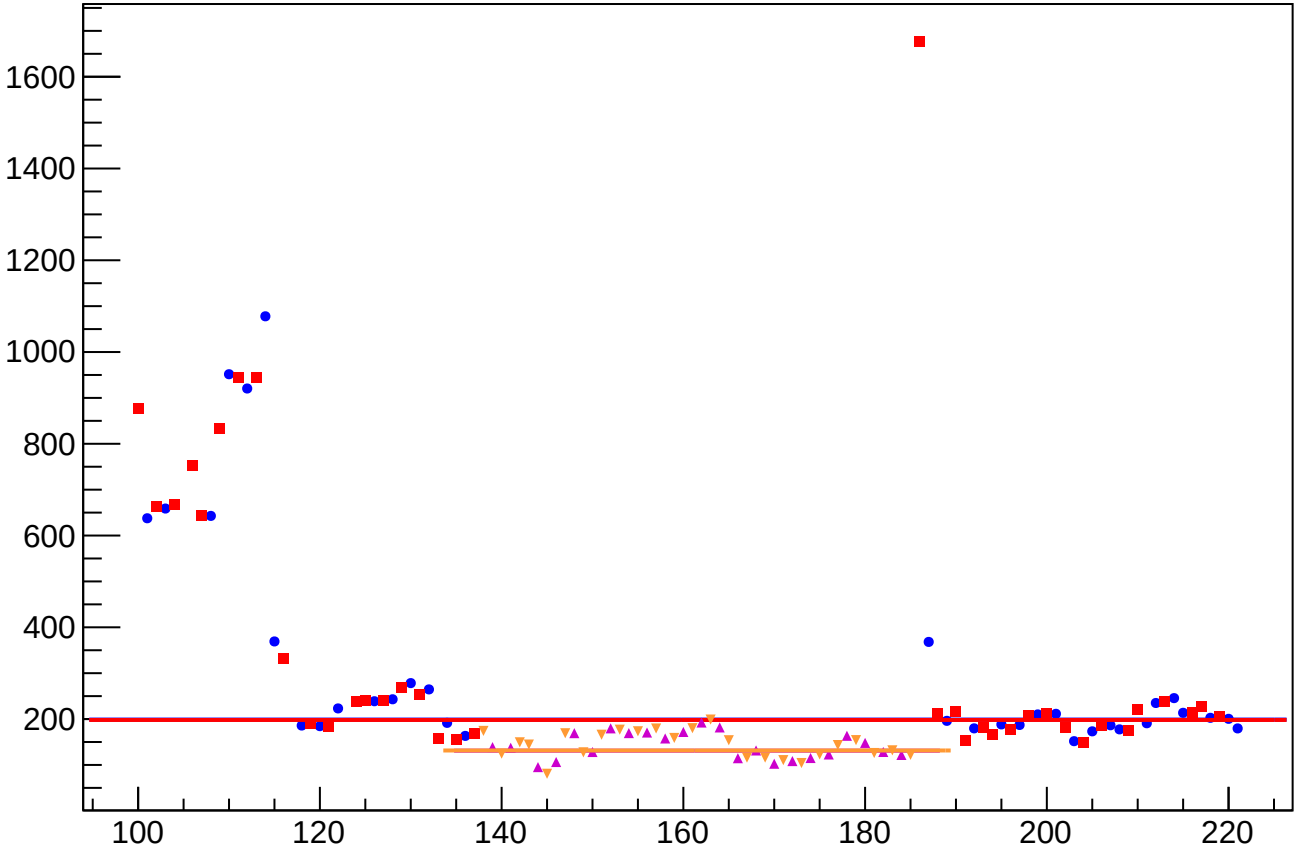
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -141.098+/-25.275 χ^2/NDF: 80.4/58

All: -127.234+/-18.091 χ^2/NDF: 239.9/118

- sign -112.670+/-25.906 χ^2/NDF: 158.8/59

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 198.843+/-0.031 χ^2/NDF: 3686862.1/33

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114840.3/36

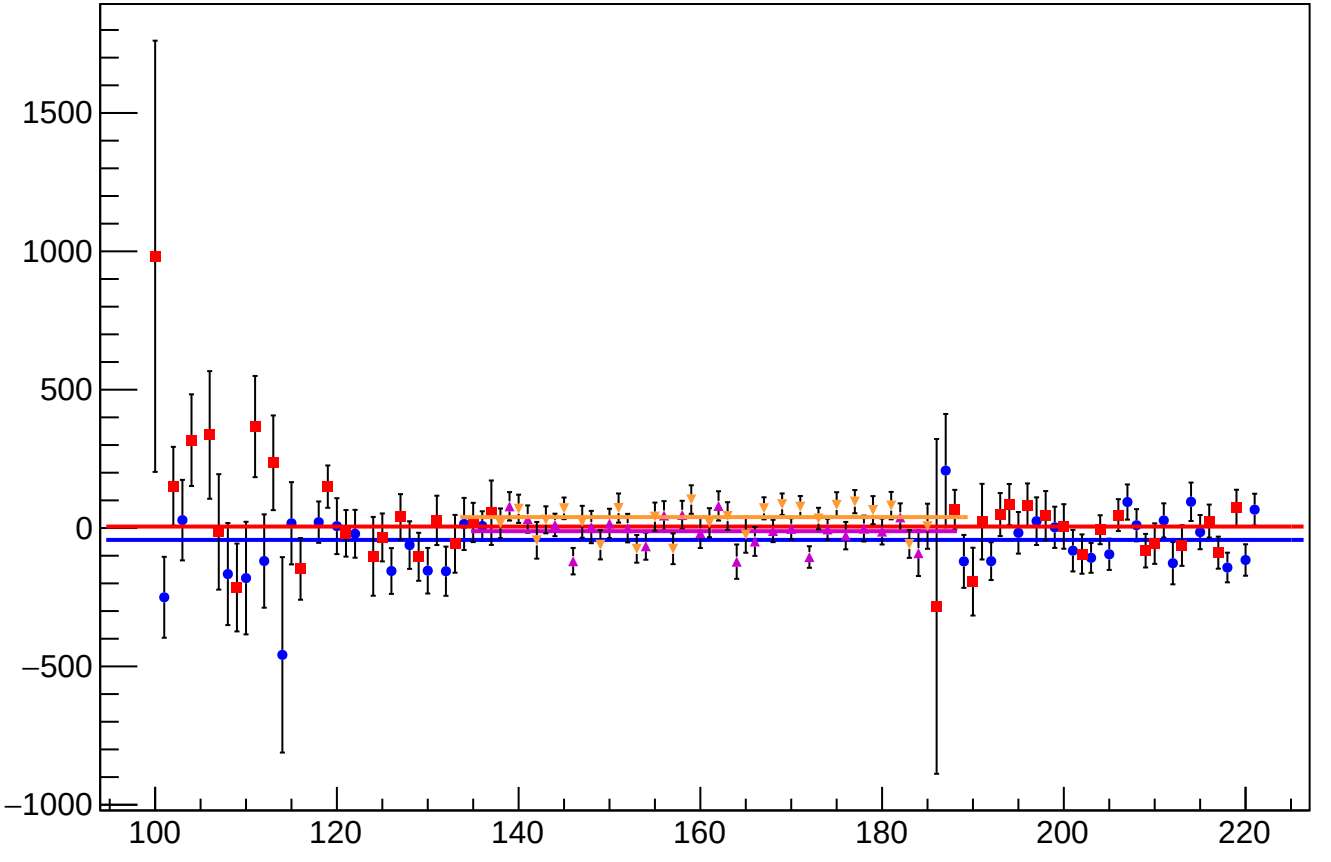
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 153.382+/-0.018 χ^2/NDF: 8702034.0/58

All: 153.041+/-0.013 χ^2/NDF: 18206823.6/11

- sign 152.682+/-0.018 χ^2/NDF: 9504043.3/59

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -42.834+/-13.192 χ^2/NDF: 40.5/33

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 5.370+/-14.138 χ^2/NDF: 40.8/36

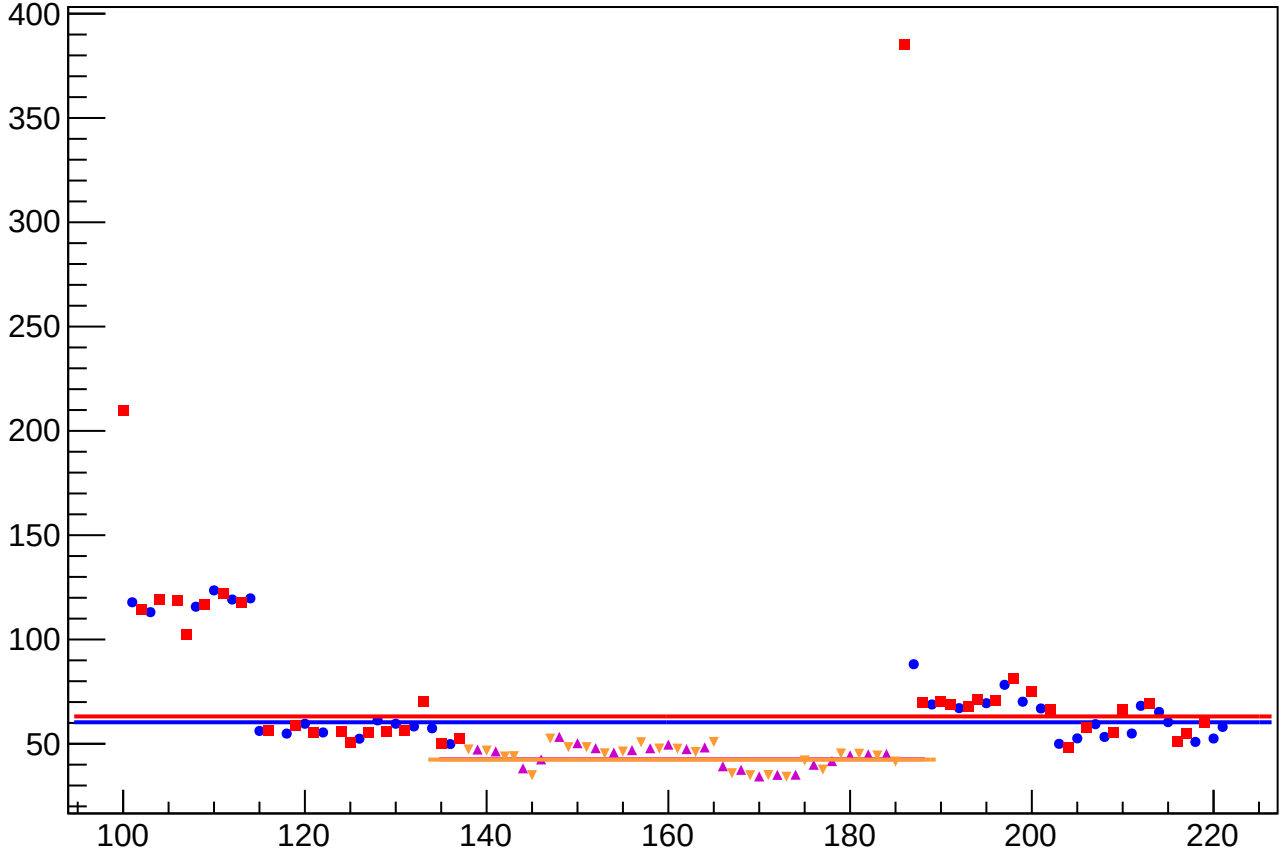
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 10.473+/-7.838 χ^2/NDF: 95.3/58

All: 2.762+/-5.668 χ^2/NDF: 167.0/118

- sign -5.688+/-8.206 χ^2/NDF: 69.6/59

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.316+/-0.009 χ^2/NDF: 1892965.6/33

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

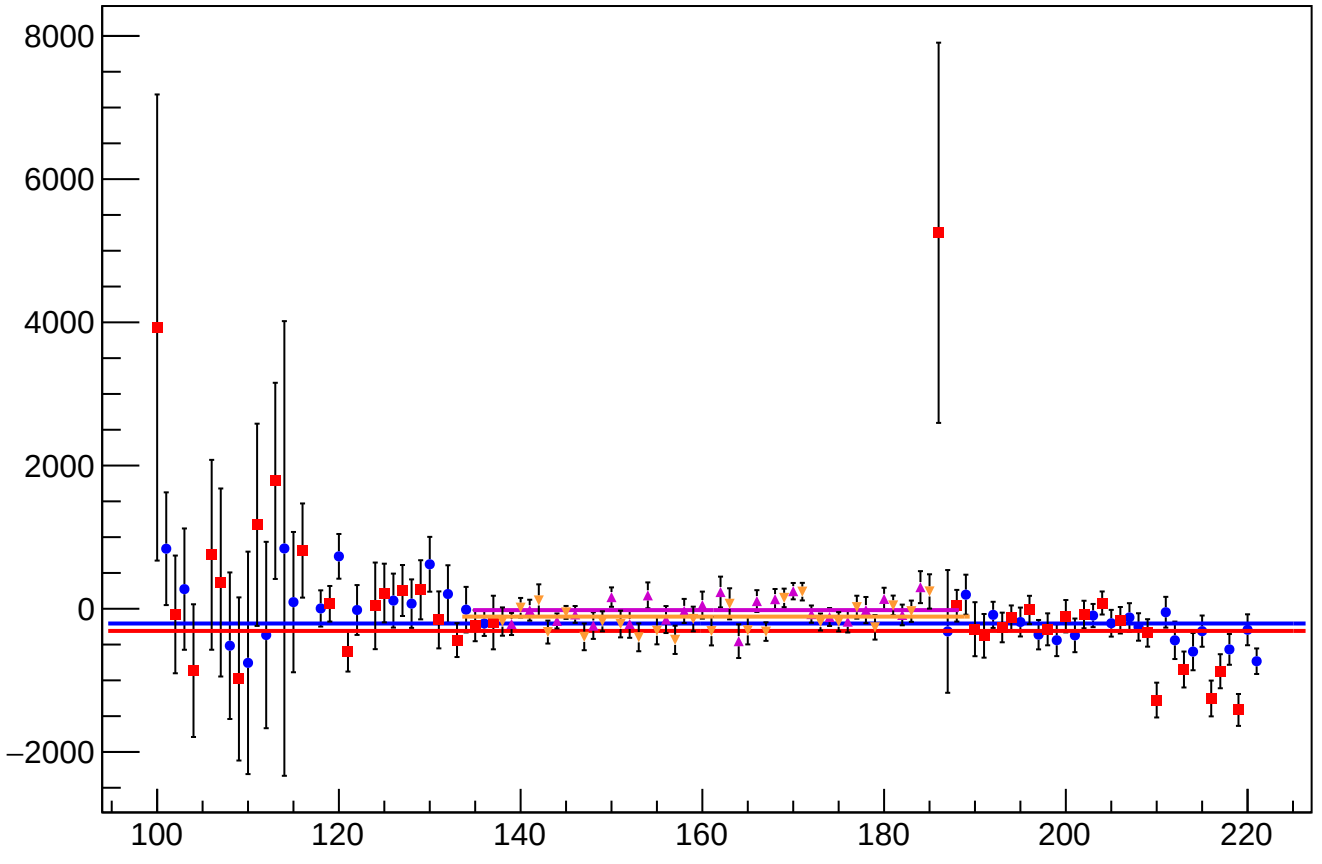
Right Out: 63.116+/-0.010 χ^2/NDF: 2726073.6/36

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 48.742+/-0.006 χ^2/NDF: 4971468.5/58

All: 49.103+/-0.004 χ^2/NDF: 11094677.6/118

- sign 49.498+/-0.006 χ^2/NDF: 6114352.9/59



Right In: -206.024+/-44.351 χ^2/NDF: 41.0/33

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

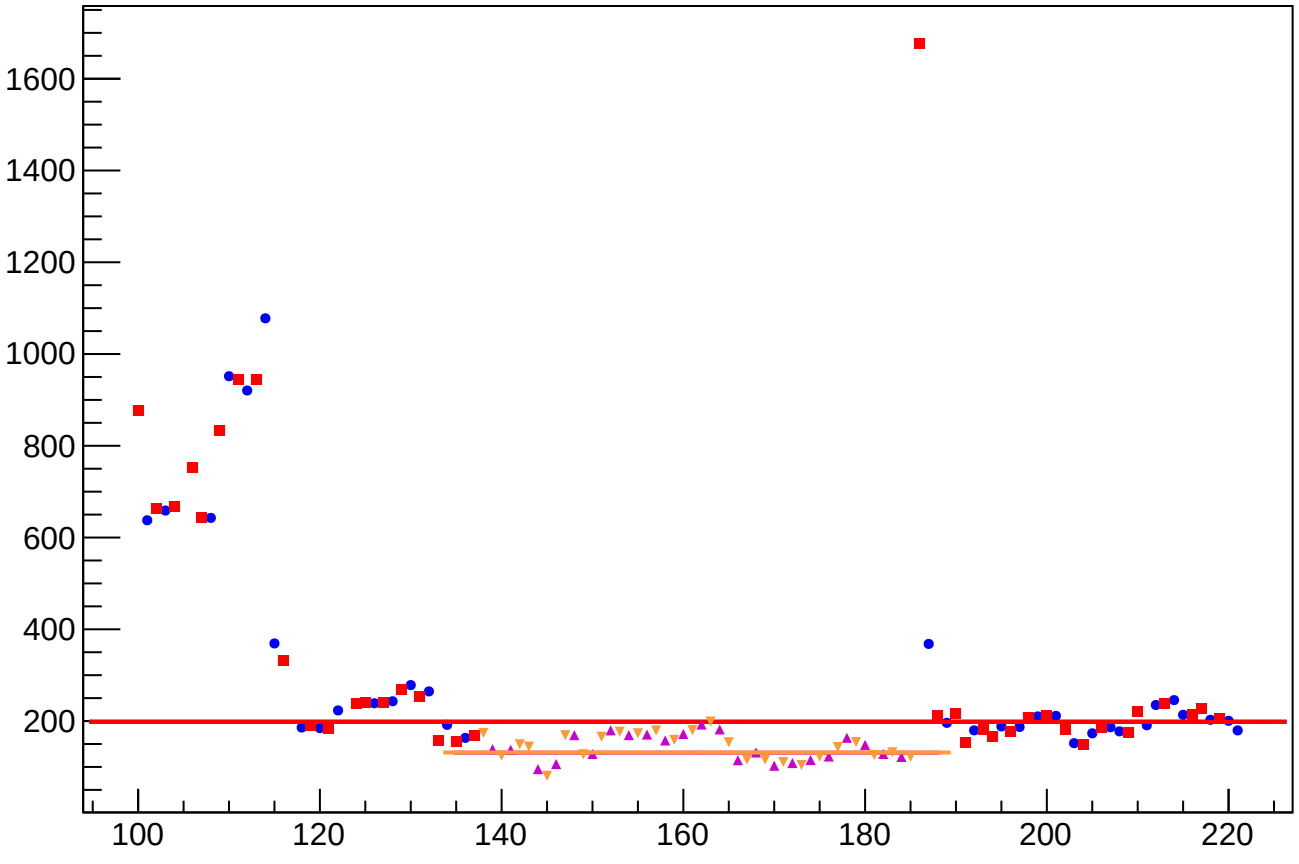
Right Out: -309.663+/-45.608 χ^2/NDF: 104.1/36

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -141.098+/-25.275 χ^2/NDF: 80.4/58

All: -127.234+/-18.091 χ^2/NDF: 239.9/118

- sign -112.670+/-25.906 χ^2/NDF: 158.8/59



Right In: 198.843+/-0.031 χ^2/NDF: 3686861.1/33

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114850.2/36

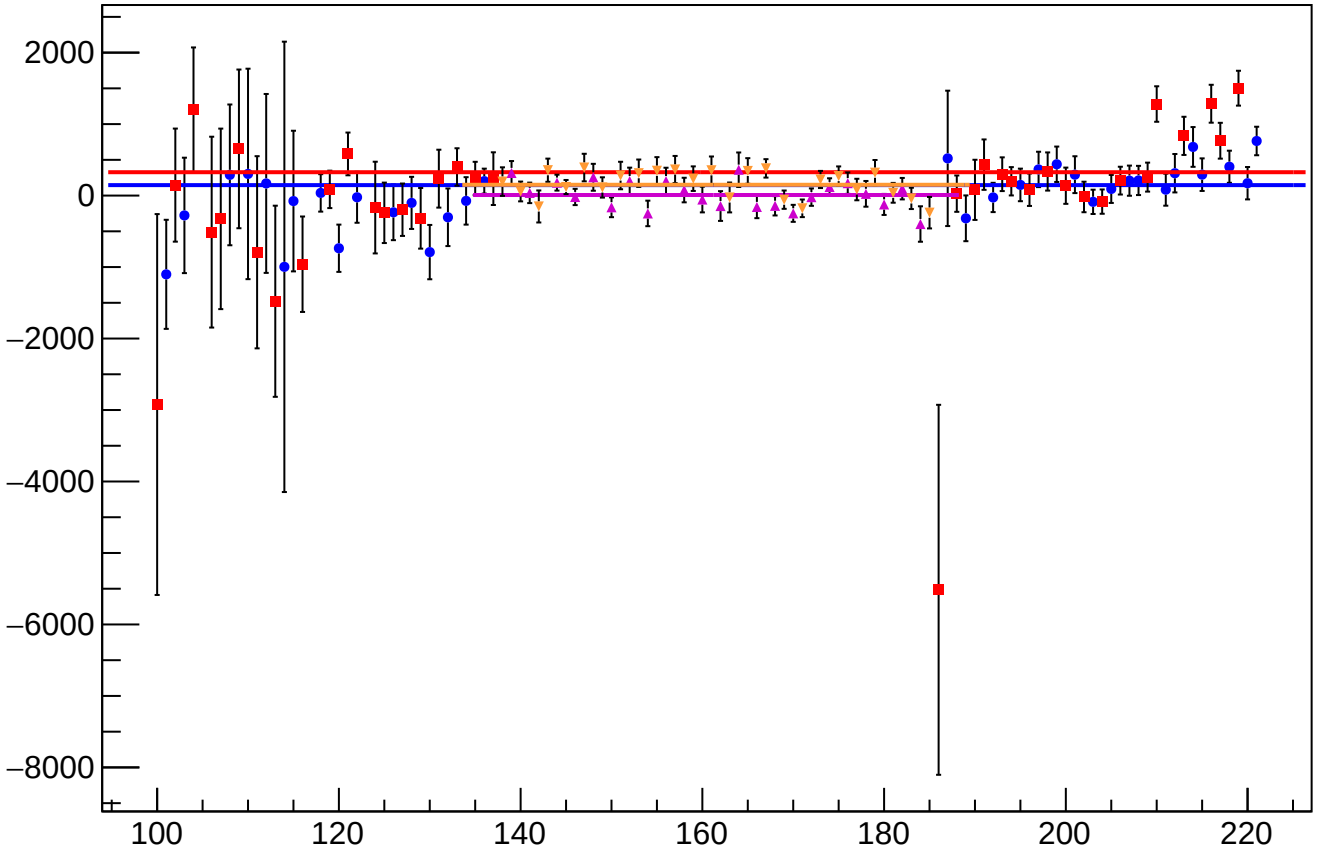
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 153.382+/-0.018 χ^2/NDF: 8701972.2/58

All: 153.041+/-0.013 χ^2/NDF: 18206716.9/11

- sign 152.682+/-0.018 χ^2/NDF: 9503998.3/59

asym_sam_37_26_dd_mean vs Slug



Right In: 146.361+/-47.323 χ^2/NDF: 43.1/33

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 326.903+/-49.503 χ^2/NDF: 94.0/36

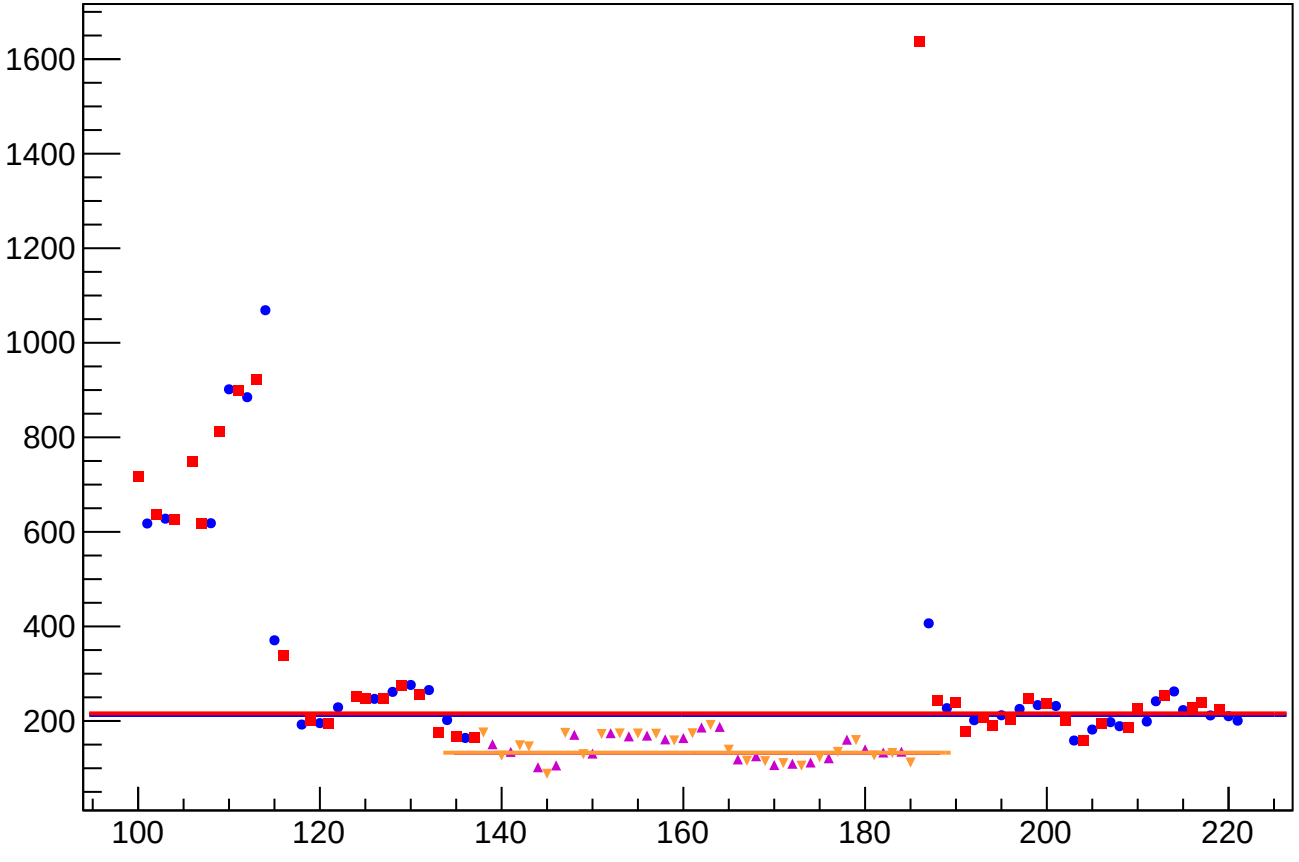
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 149.686+/-25.903 χ^2/NDF: 76.2/58

All: 125.729+/-18.574 χ^2/NDF: 230.9/118

- sign 100.373+/-26.648 χ^2/NDF: 153.0/59

asym_sam_37_26_dd_rms vs Slug



Right In: 212.705+/-0.033 χ^2/NDF: 3486961.4/33

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

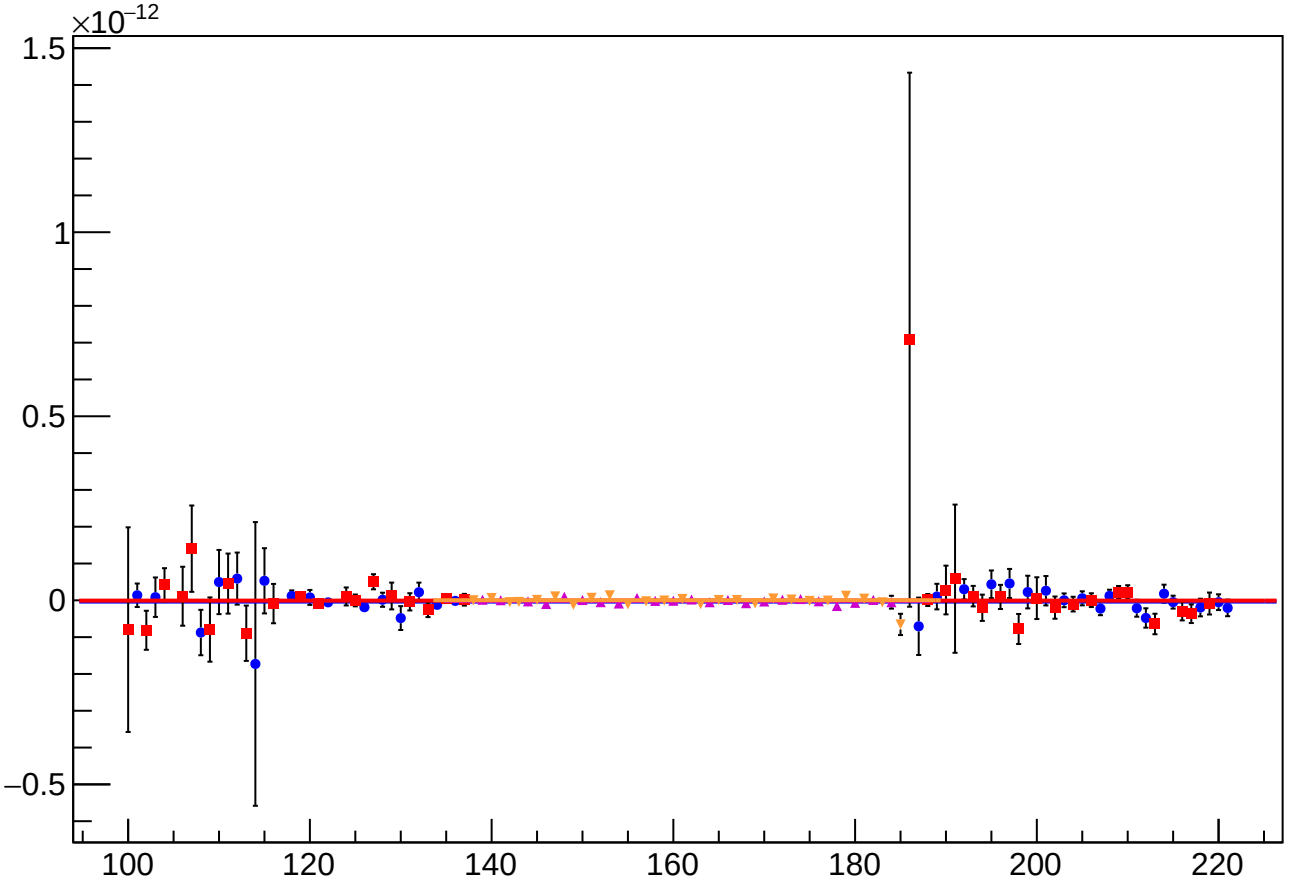
Right Out: 216.012+/-0.035 χ^2/NDF: 4725457.2/36

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 156.794+/-0.018 χ^2/NDF: 9065361.4/58

All: 156.694+/-0.013 χ^2/NDF: 19126545.9/11

- sign 156.589+/-0.019 χ^2/NDF: 10061123.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

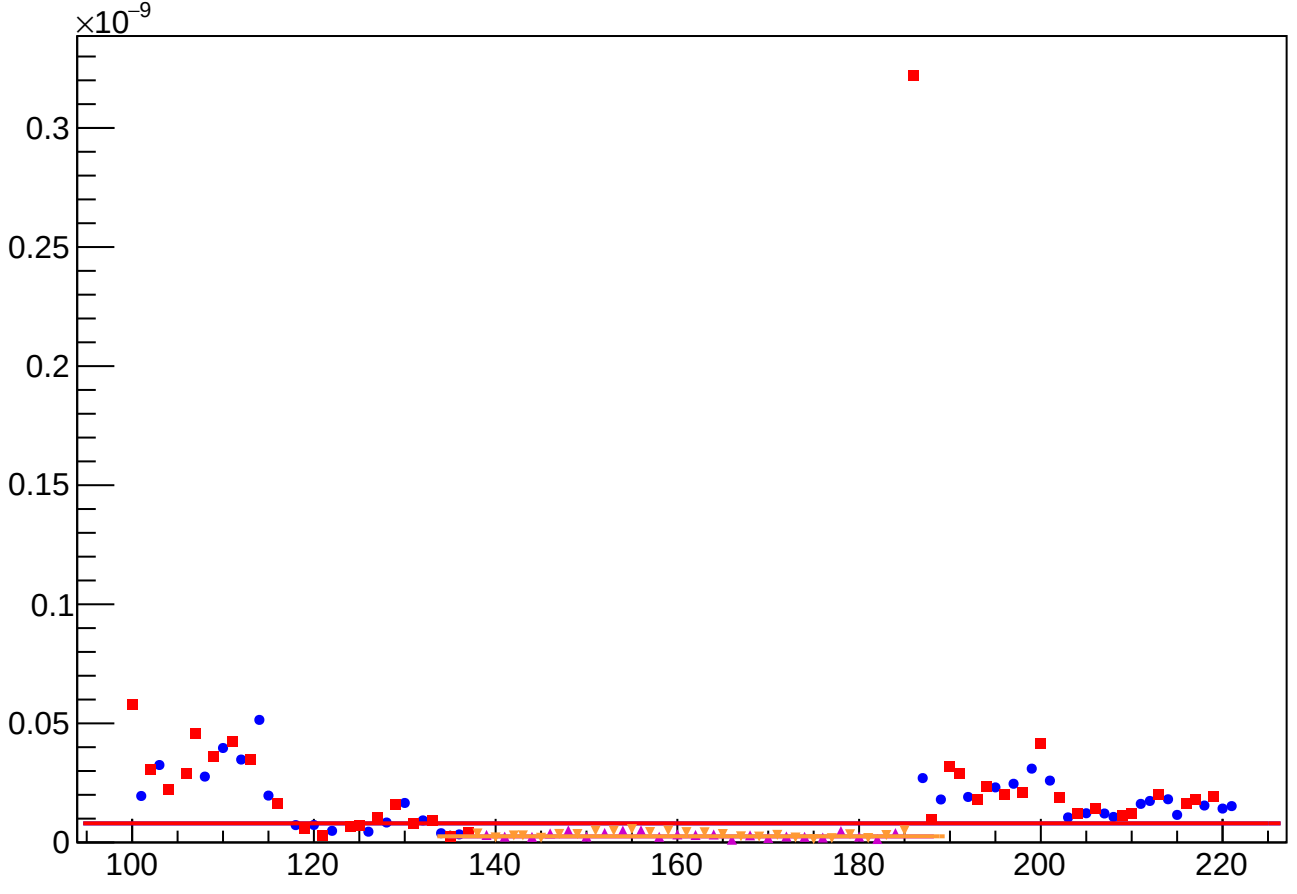
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.9/58

All: -0.000+/-0.000 χ^2/NDF: 110.6/118

- sign -0.000+/-0.000 χ^2/NDF: 51.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 7856576.9/33

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8783939.0/36

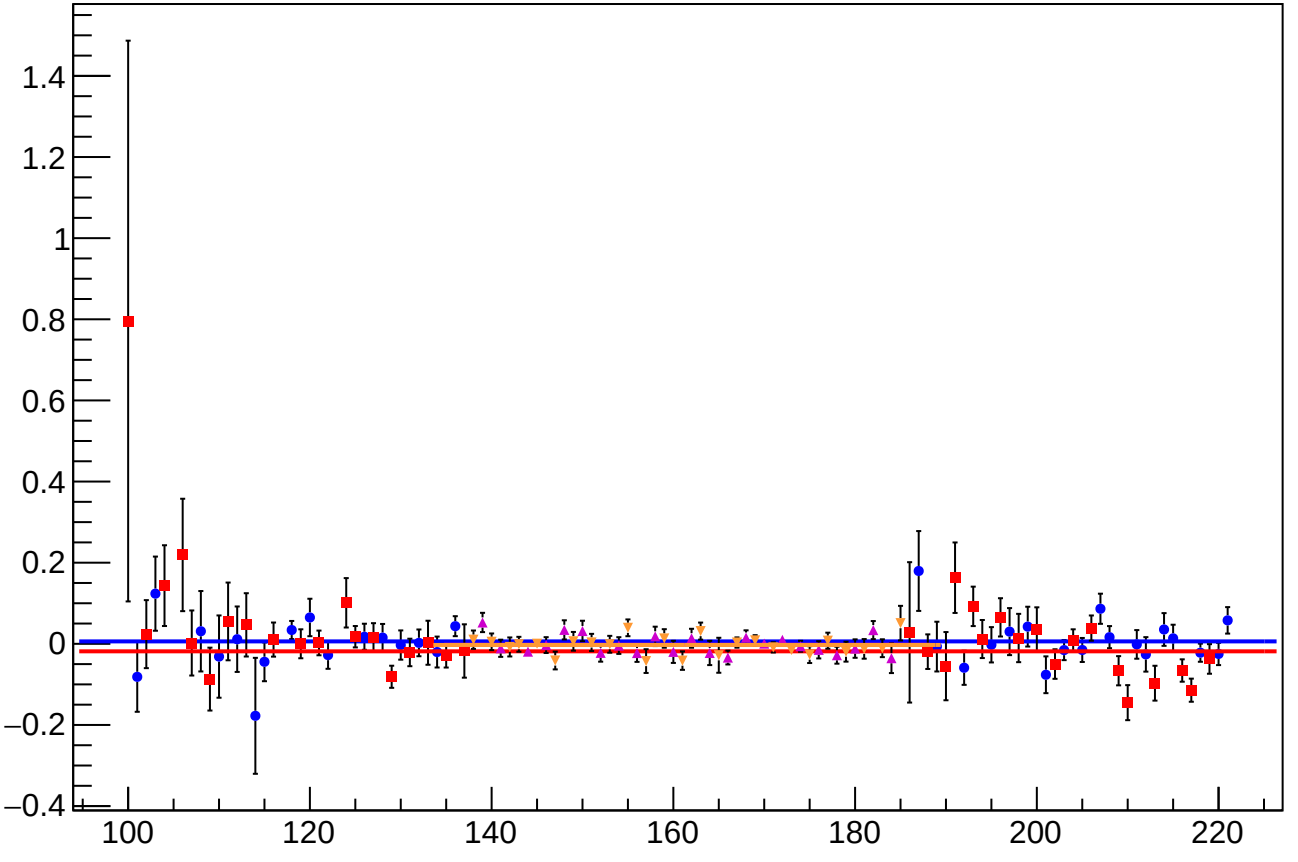
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15597173.5/58

All: 0.000+/-0.000 χ^2/NDF: 30892437.6/118

- sign 0.000+/-0.000 χ^2/NDF: 15287575.9/59

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.018+/-0.007 χ^2/NDF: 71.1/36

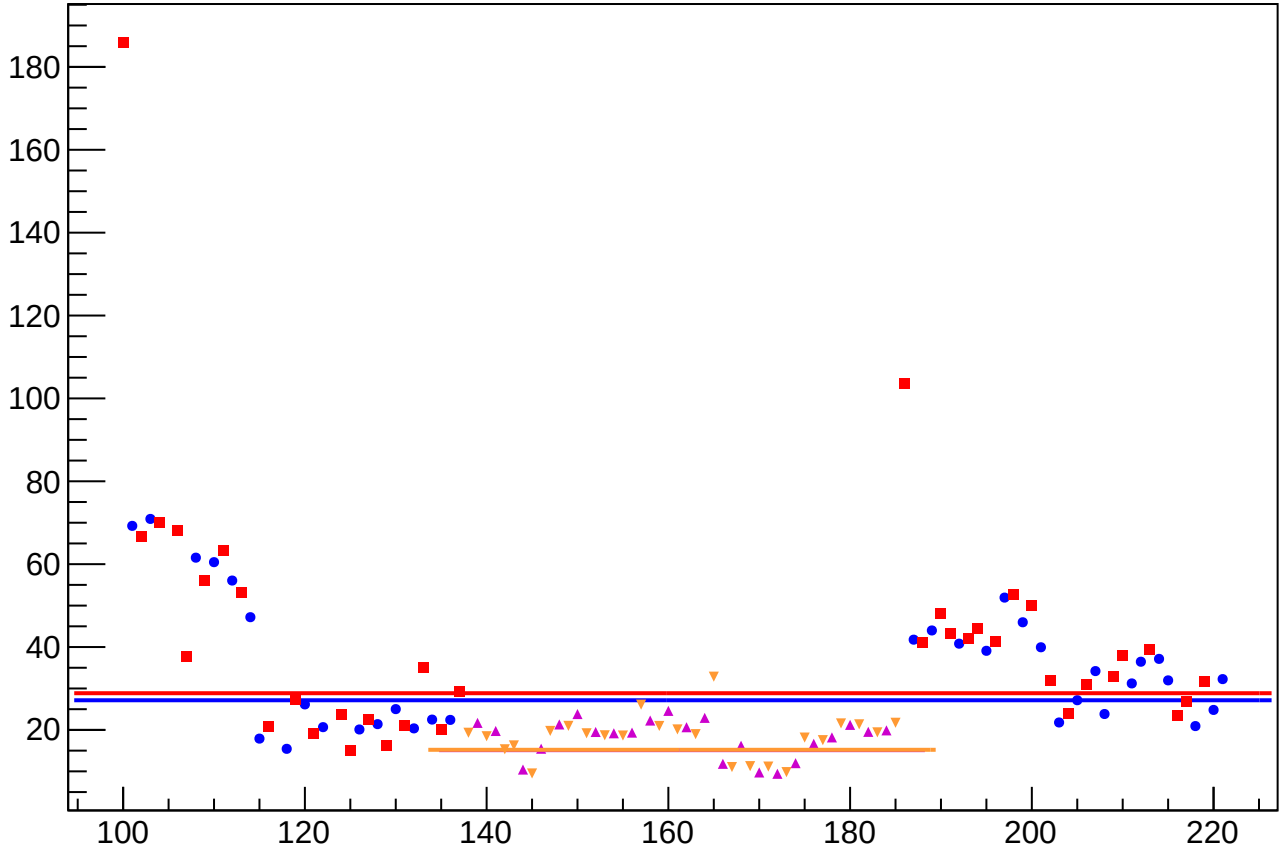
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 162.9/118

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.156+/-0.004 χ^2/NDF: 4812487.8/33

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

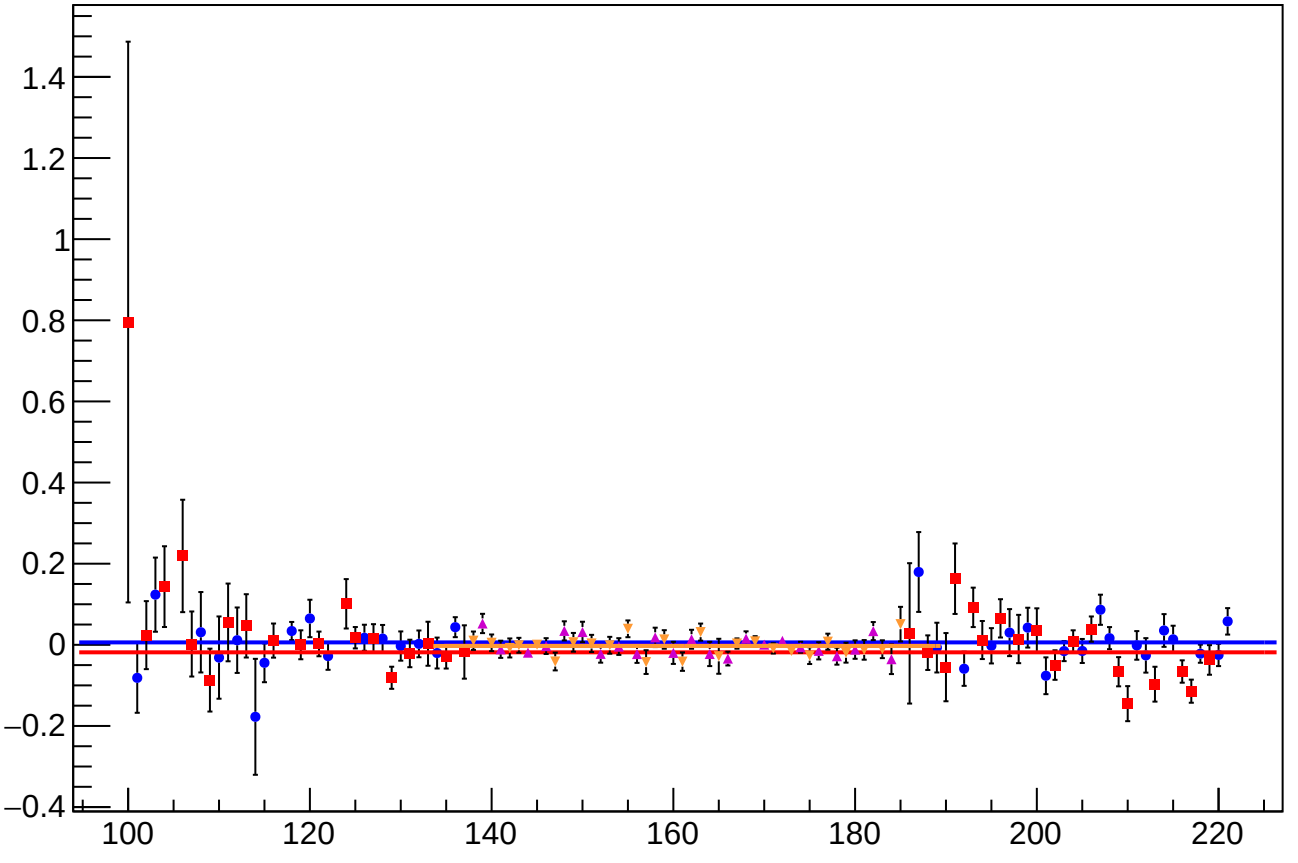
Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.250+/-0.002 χ^2/NDF: 13564007.8/58

All: 18.297+/-0.002 χ^2/NDF: 28693464.3/118

- sign 18.349+/-0.002 χ^2/NDF: 15128547.7/59



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

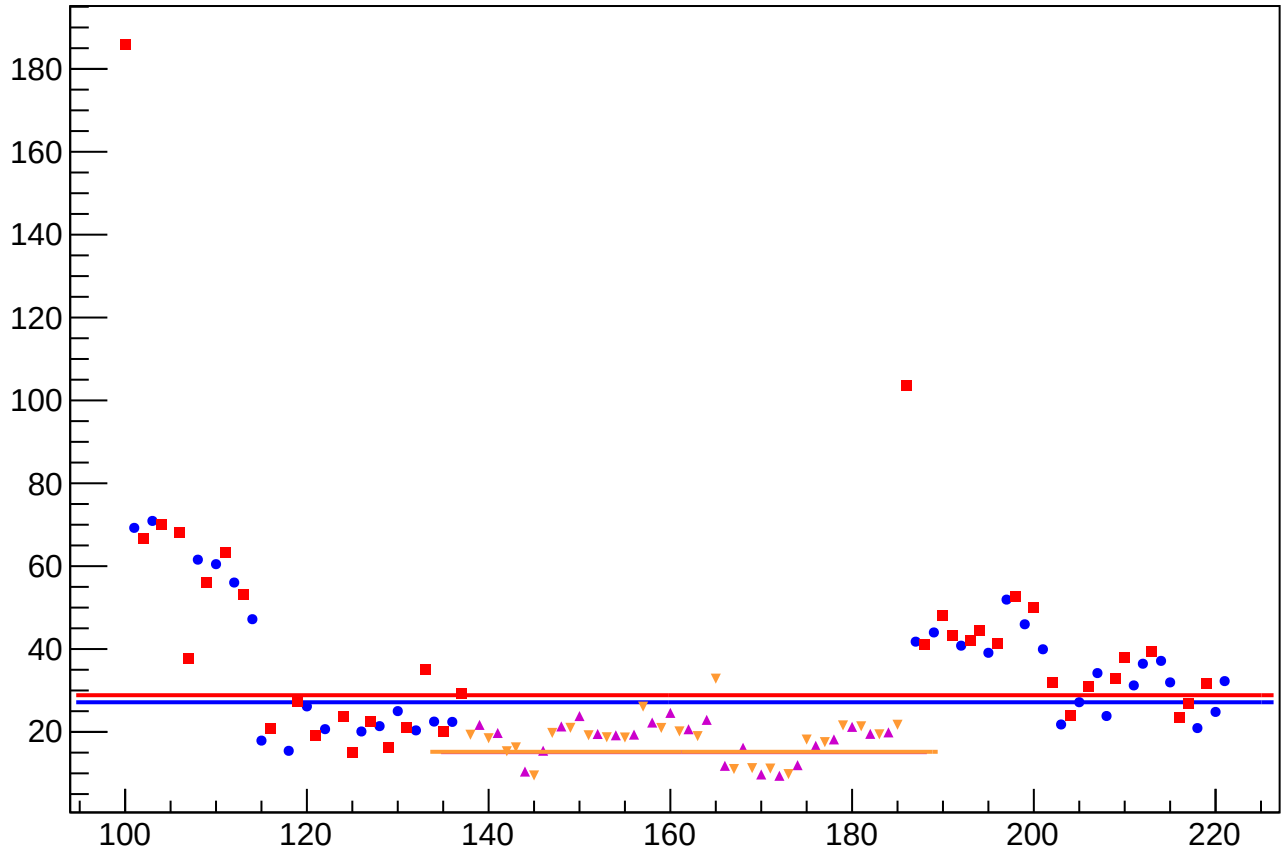
Right Out: -0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 162.9/118

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59



Right In: 27.156+/-0.004 χ^2/NDF: 4812487.8/33

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

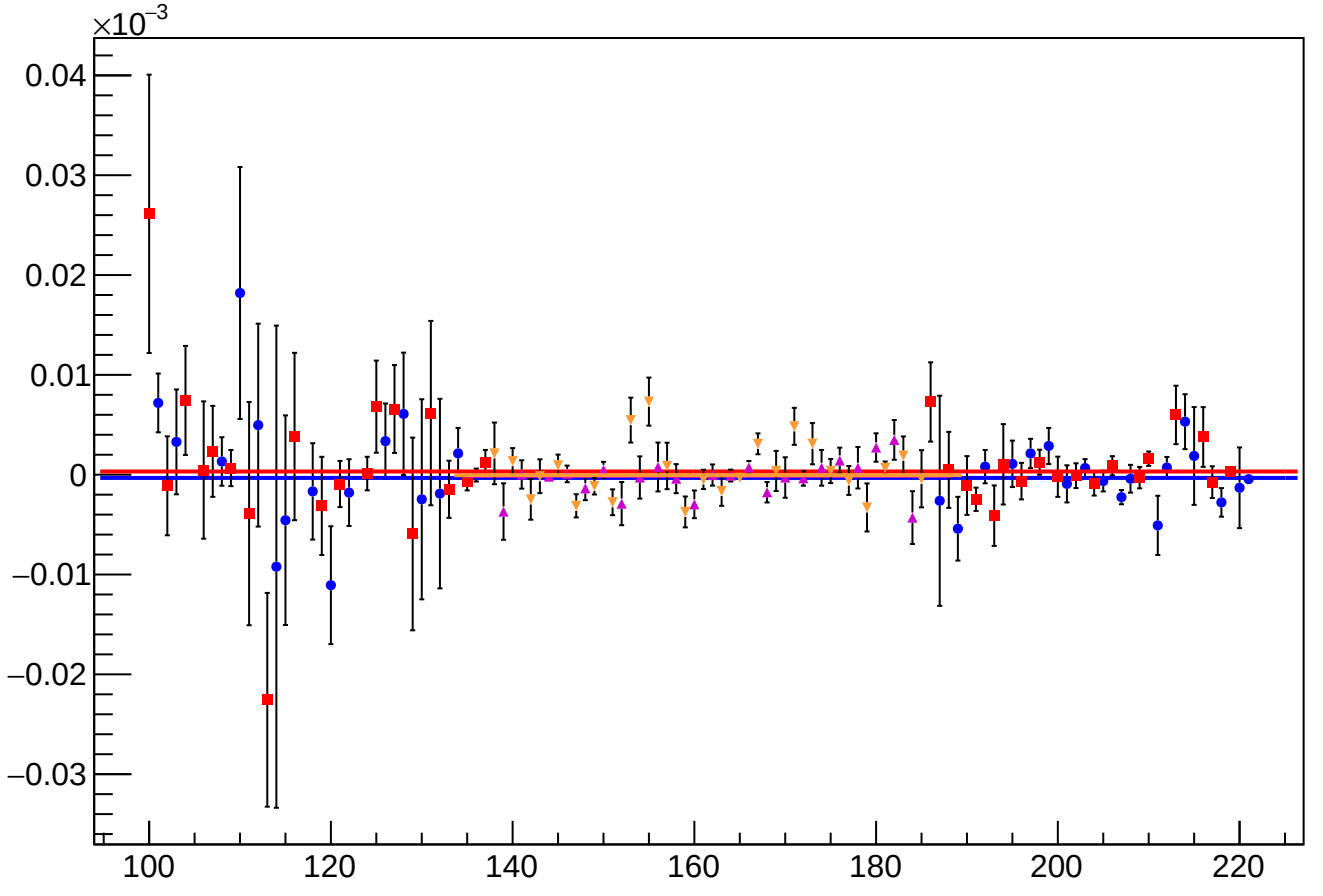
Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.250+/-0.002 χ^2/NDF: 13564007.8/58

All: 18.297+/-0.002 χ^2/NDF: 28693464.3/118

- sign 18.349+/-0.002 χ^2/NDF: 15128547.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

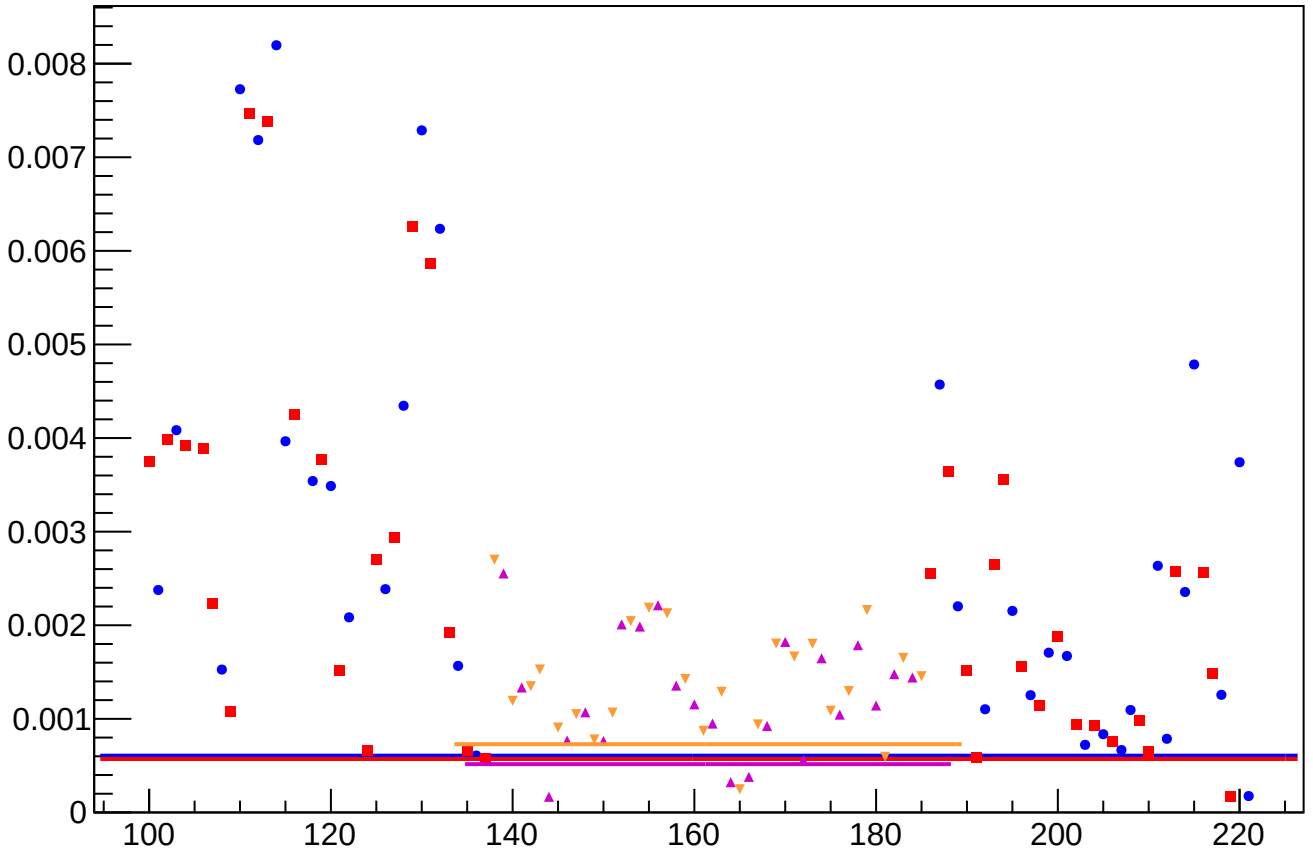
Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/36

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 109.9/58

All: -0.000+/-0.000 χ^2/NDF: 180.4/118

- sign 0.000+/-0.000 χ^2/NDF: 68.8/59



Right In: 0.001+/-0.000 χ^2/NDF: 21735988.8/33

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

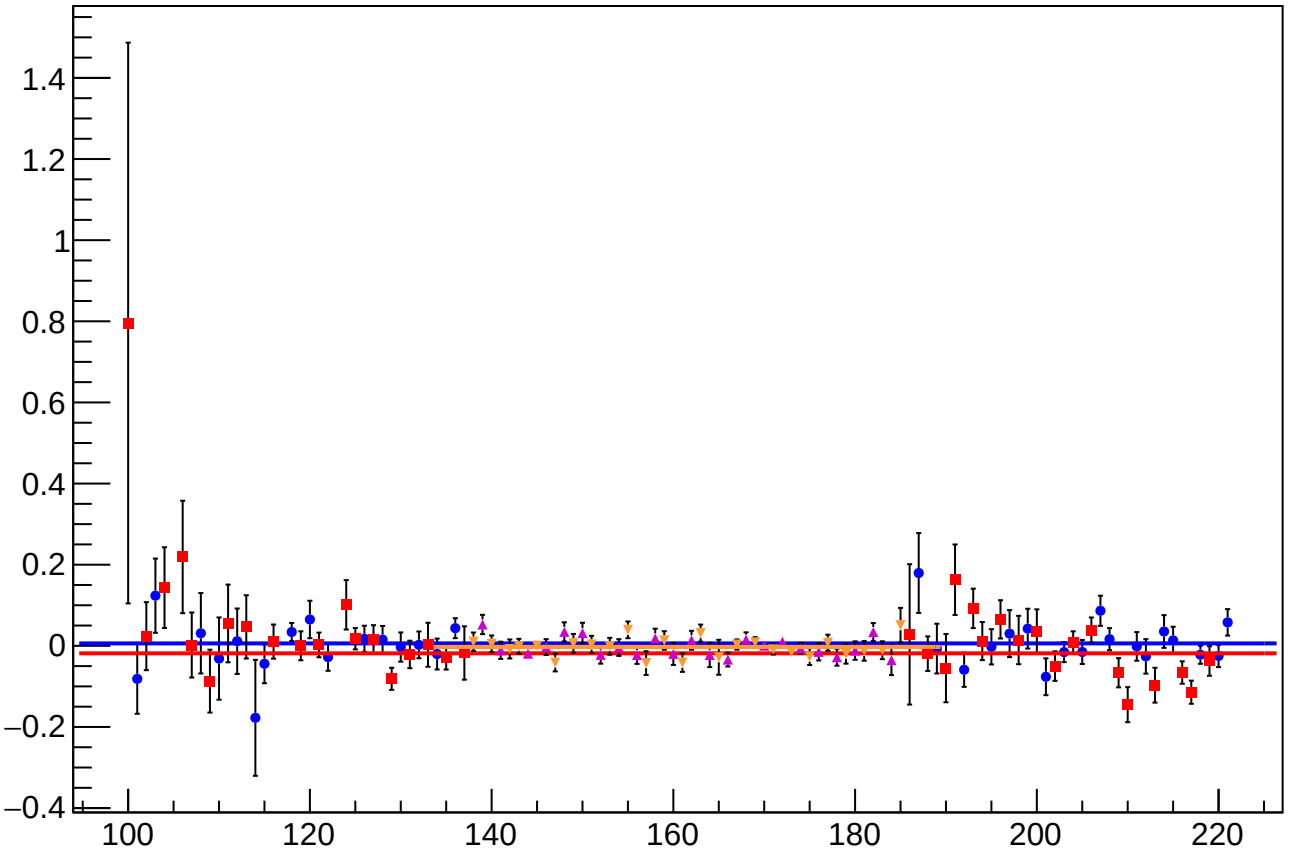
Right Out: 0.001+/-0.000 χ^2/NDF: 22249909.8/36

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 35203950.5/58

All: 0.001+/-0.000 χ^2/NDF: 73404559.4/118

- sign 0.001+/-0.000 χ^2/NDF: 37363973.3/59



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

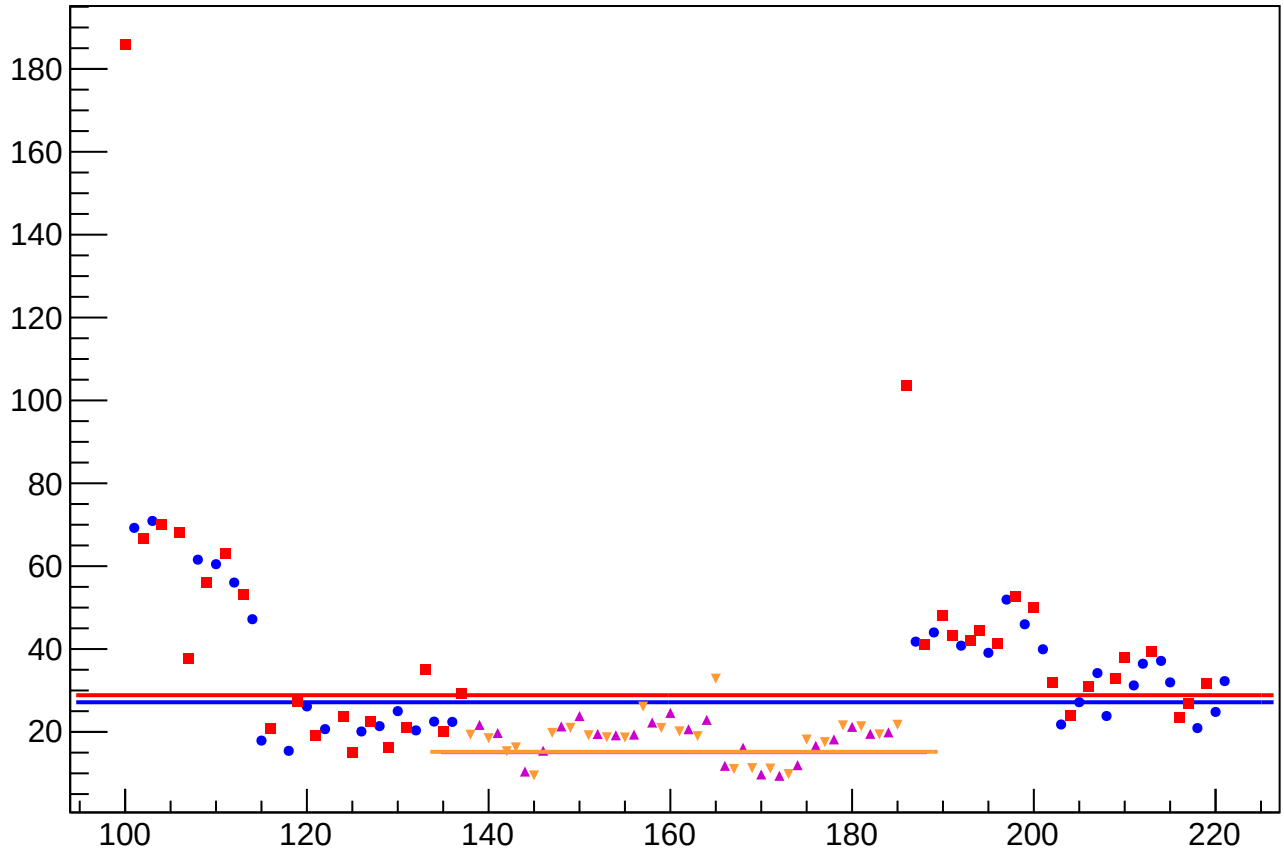
Right Out: -0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 162.9/118

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59



Right In: 27.155+/-0.004 χ^2/NDF: 4812921.2/33

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

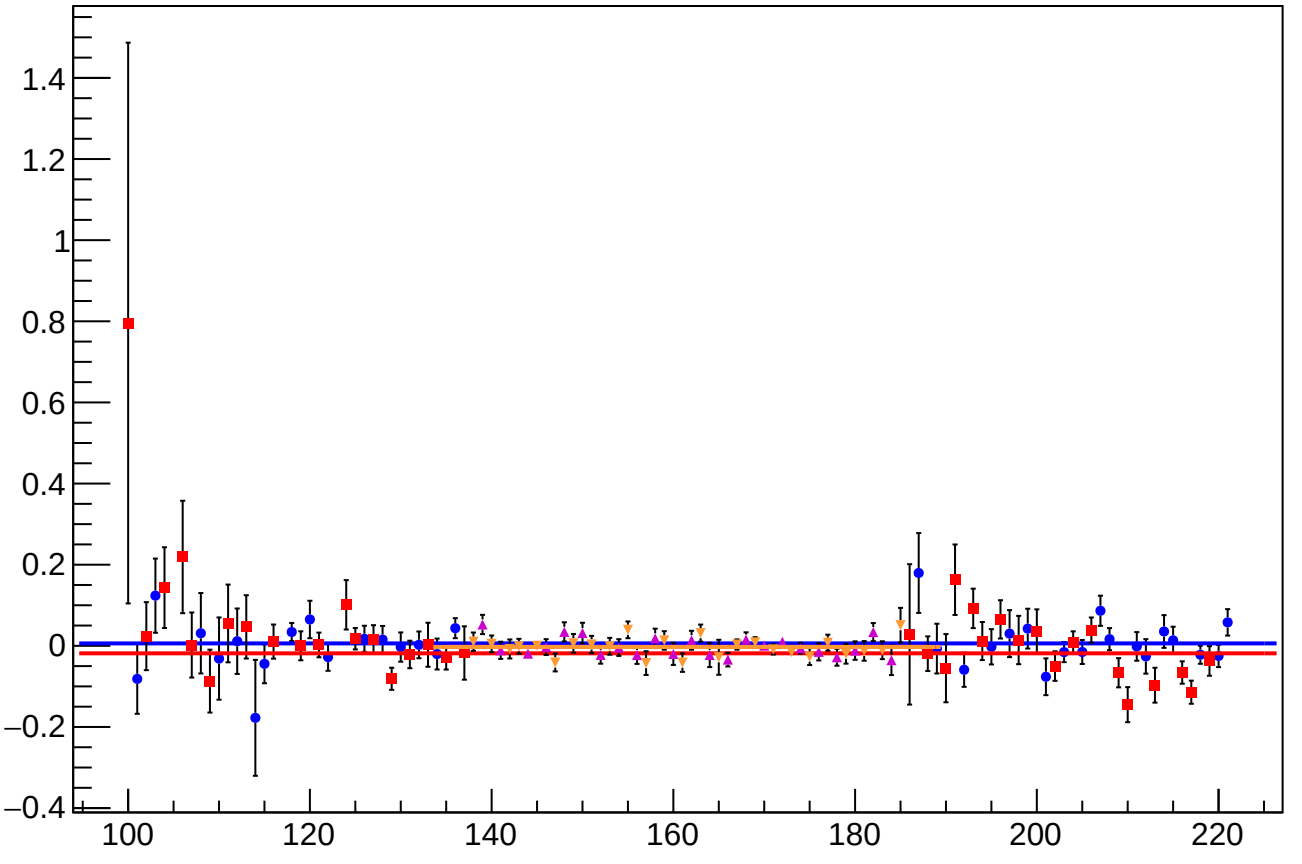
Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.250+/-0.002 χ^2/NDF: 13563948.6/58

All: 18.297+/-0.002 χ^2/NDF: 28693378.0/118

- sign 18.349+/-0.002 χ^2/NDF: 15128518.1/59



Right In: 0.006+/-0.006 χ^2/NDF: 35.1/33

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

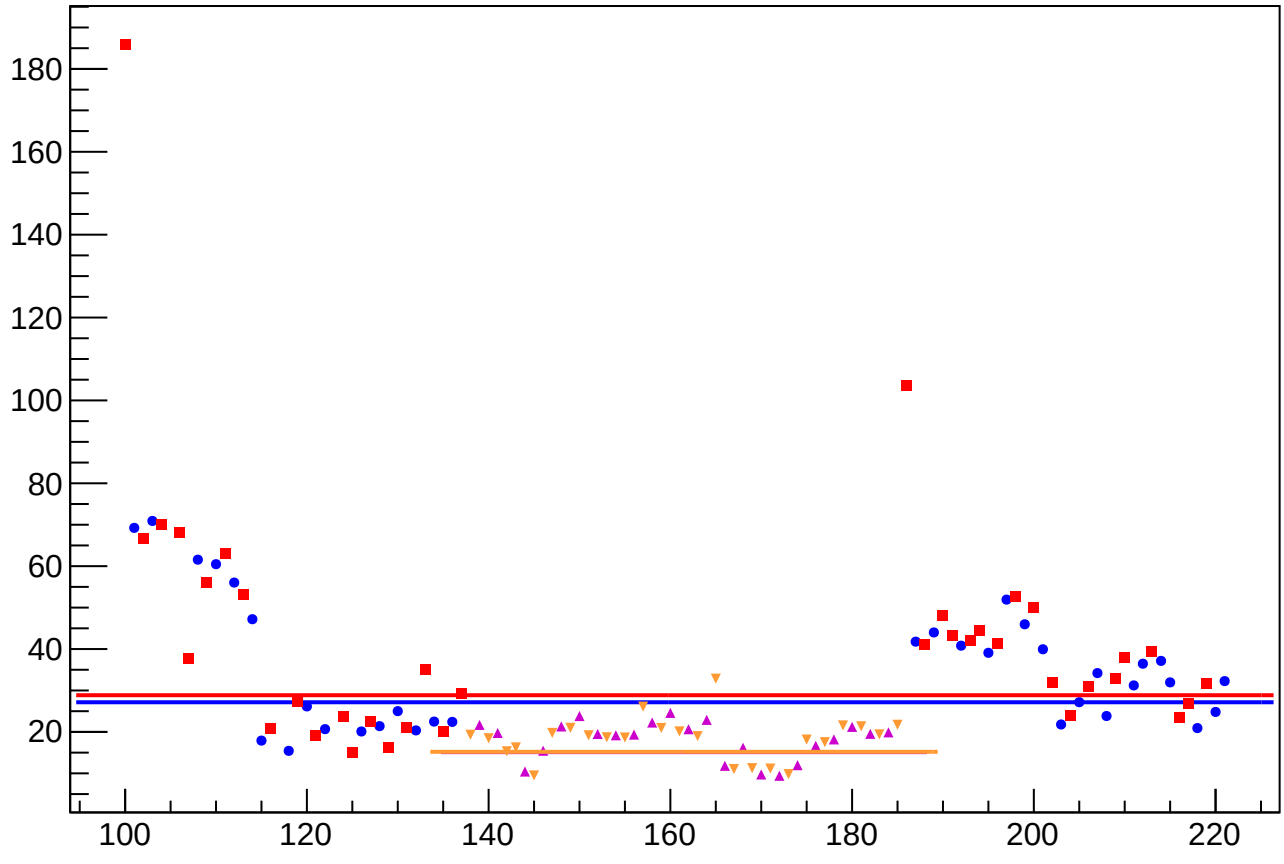
Right Out: -0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 59.2/58

All: -0.003+/-0.002 χ^2/NDF: 162.9/118

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59



Right In: 27.155+/-0.004 χ^2/NDF: 4812921.2/33

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

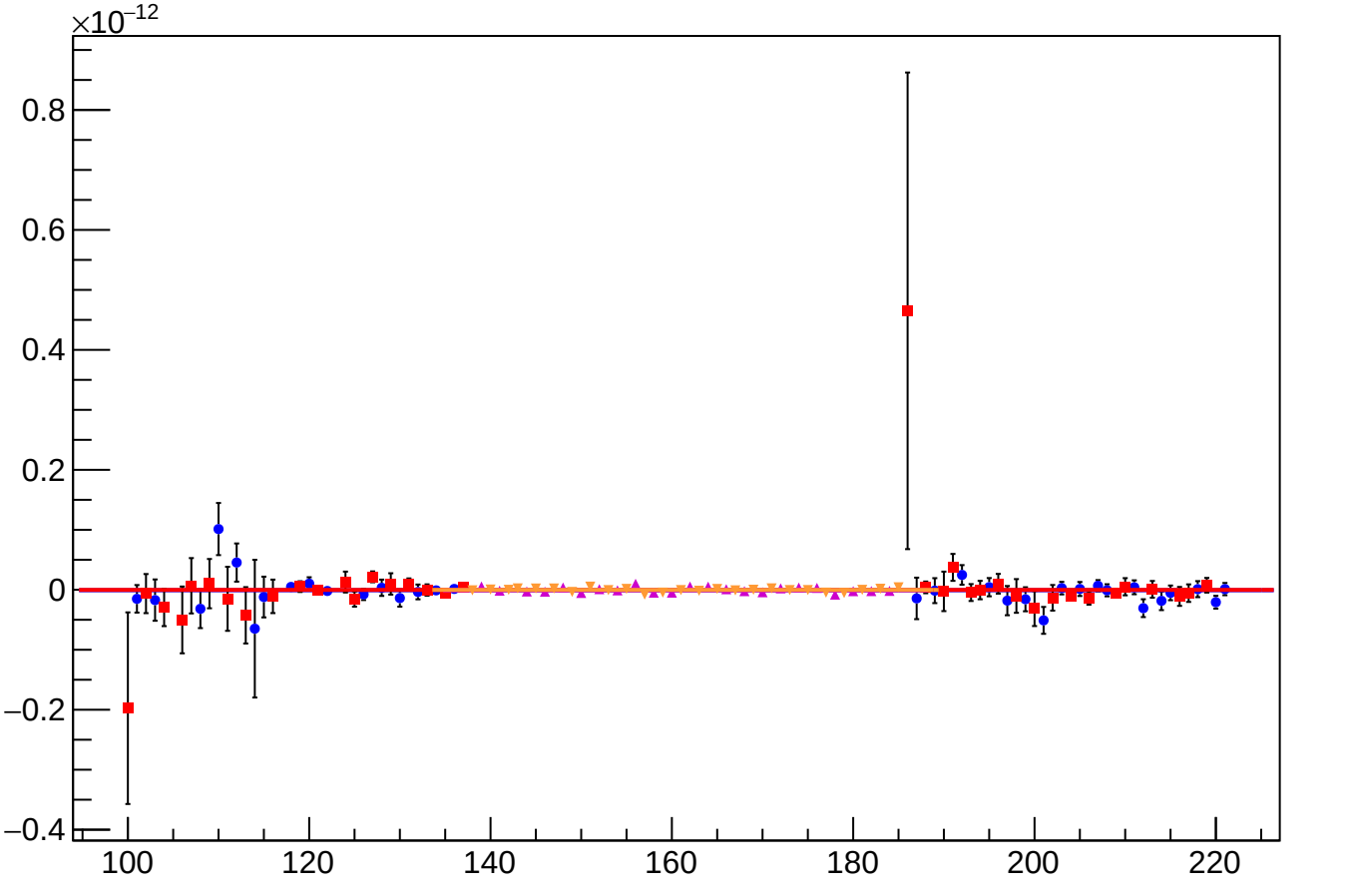
Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.250+/-0.002 χ^2/NDF: 13563948.6/58

All: 18.297+/-0.002 χ^2/NDF: 28693378.0/118

- sign 18.349+/-0.002 χ^2/NDF: 15128518.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/33

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

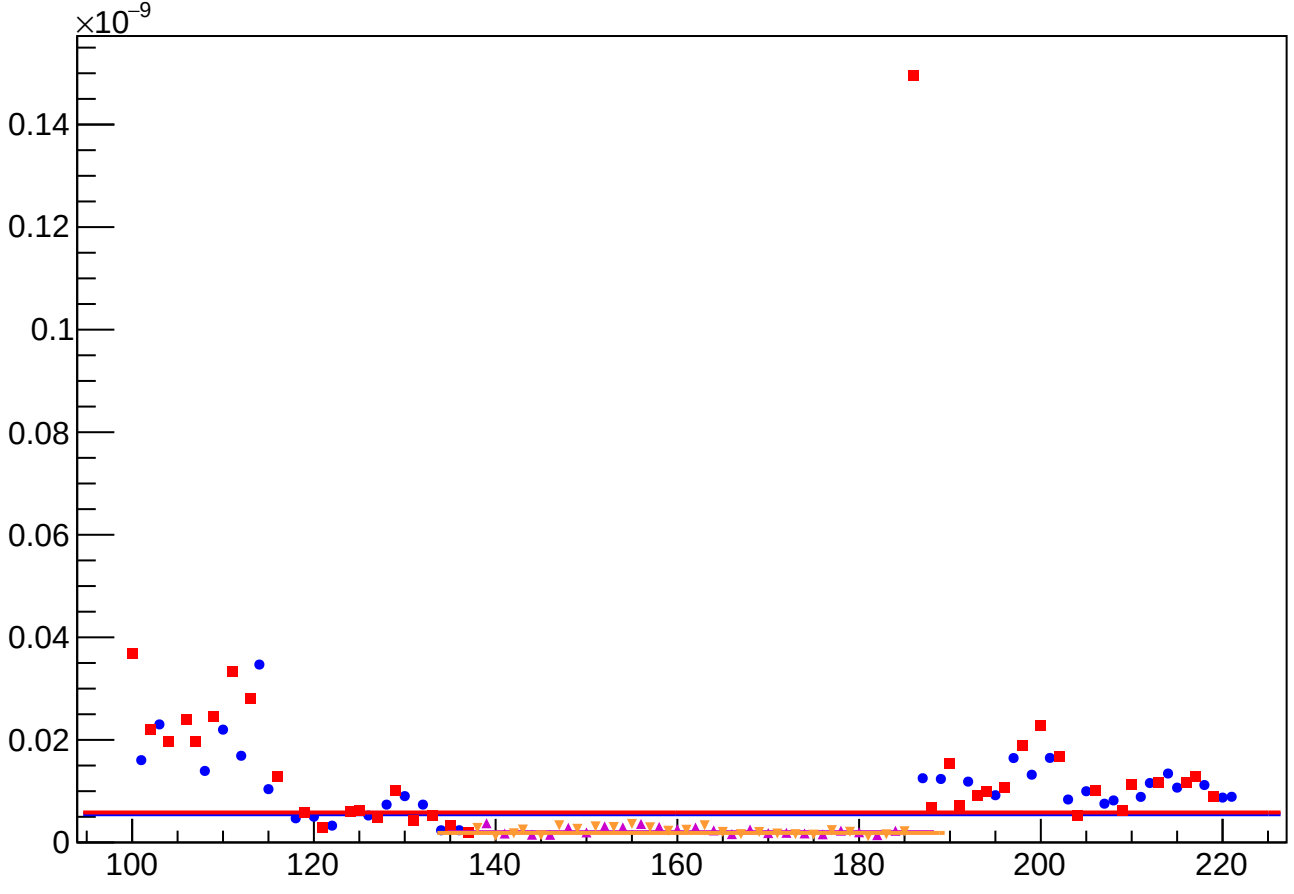
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/36

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/58

All: -0.000+/-0.000 χ^2/NDF: 121.1/118

- sign -0.000+/-0.000 χ^2/NDF: 67.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 9990840.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9806368.2/36

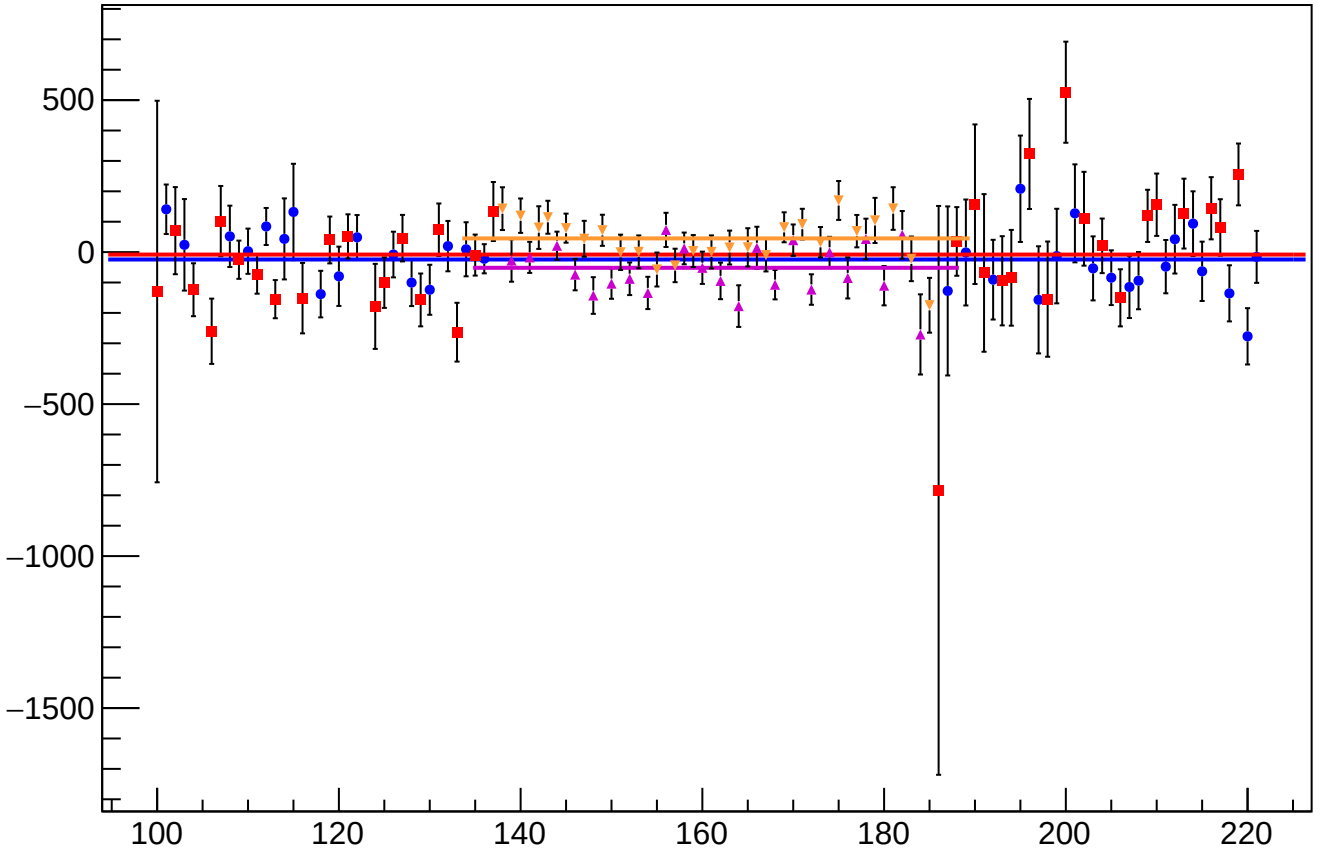
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 20844969.7/58

All: 0.000+/-0.000 χ^2/NDF: 40170647.4/118

- sign 0.000+/-0.000 χ^2/NDF: 19244959.8/59

reg_asym_sam_1357_avg_mean vs Slug



Right In: -24.279+/-15.922 χ^2/NDF: 32.0/33

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -8.145+/-16.261 χ^2/NDF: 69.0/36

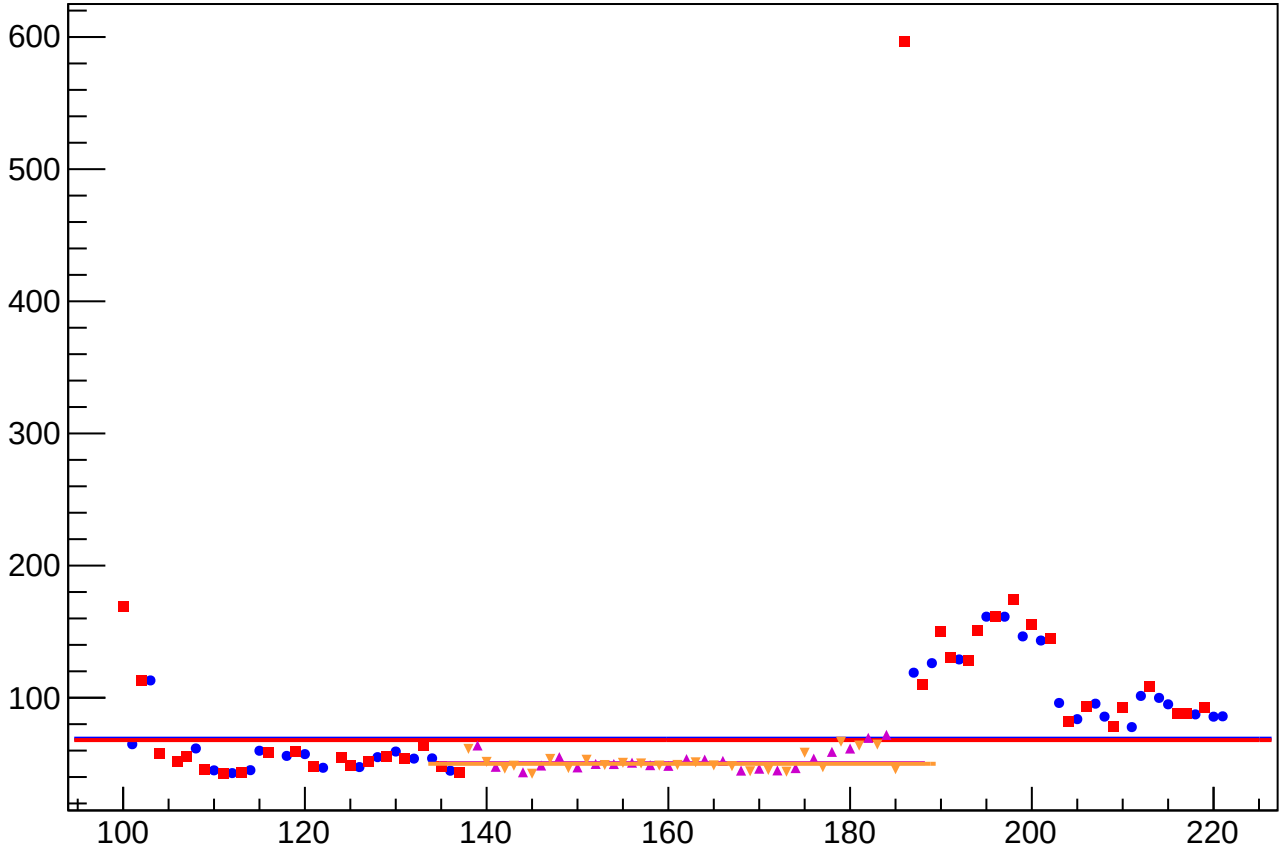
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 21.325+/-9.320 χ^2/NDF: 75.8/58

All: -6.631+/-6.693 χ^2/NDF: 203.9/118

- sign -36.407+/-9.618 χ^2/NDF: 109.5/59

reg_asym_sam_1357_avg_rms vs Slug



Right In: 69.026+/-0.011 χ^2/NDF: 5812246.7/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.942+/-0.011 χ^2/NDF: 7251310.3/36

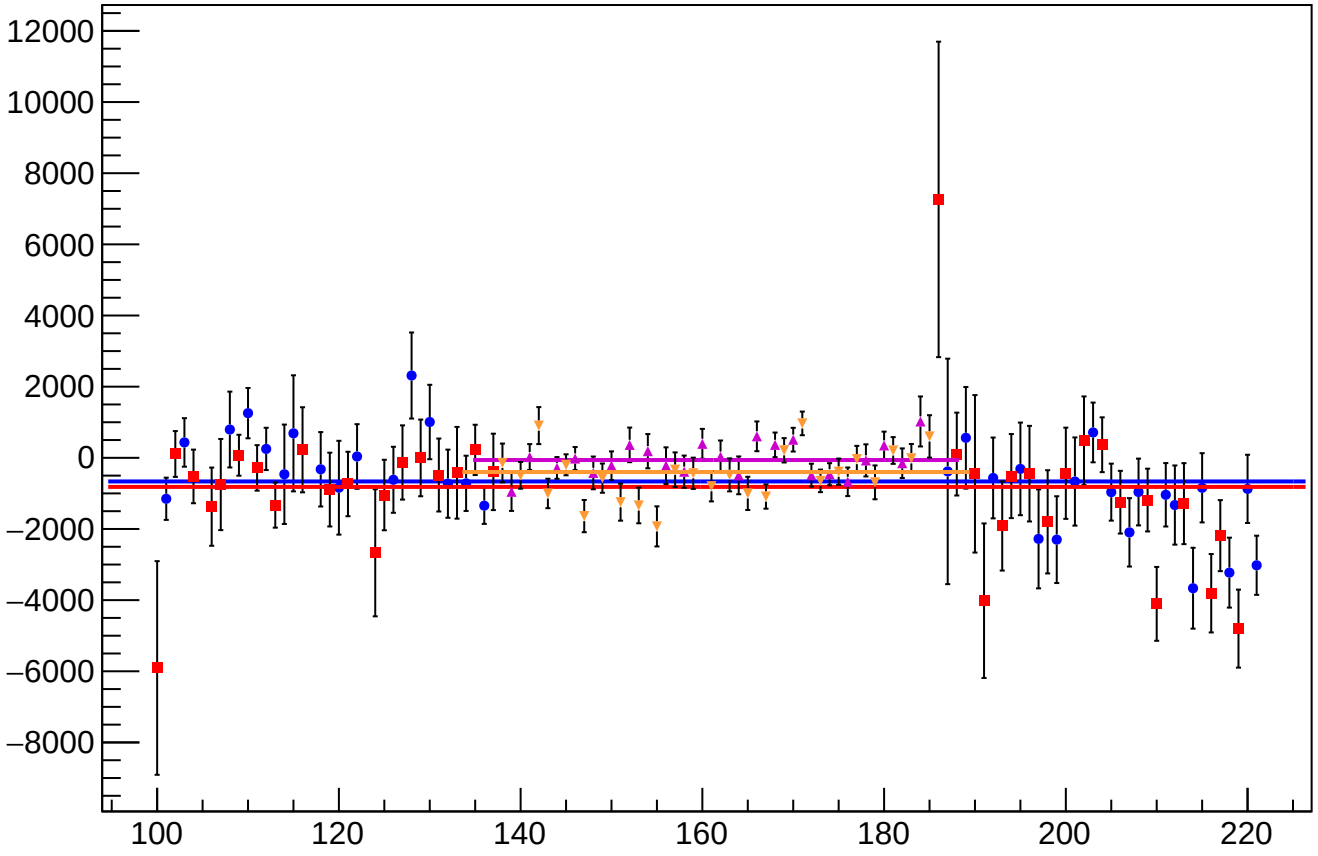
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.532+/-0.007 χ^2/NDF: 8194541.2/58

All: 56.570+/-0.005 χ^2/NDF: 17443354.7/118

- sign 56.610+/-0.007 χ^2/NDF: 9248745.5/59

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -664.158+/-157.985 χ^2/NDF: 58.2/33

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -817.532+/-163.292 χ^2/NDF: 58.6/36

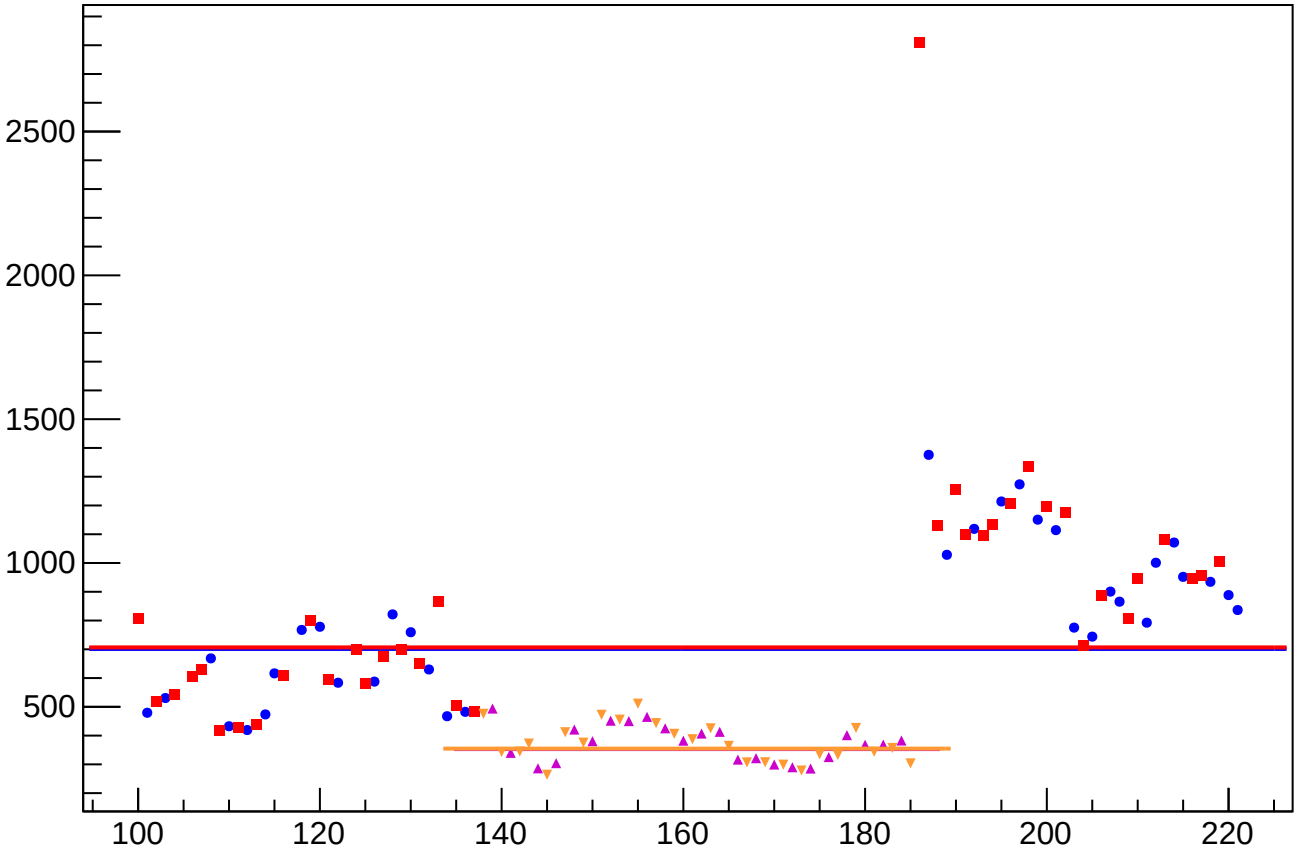
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -455.628+/-72.825 χ^2/NDF: 125.8/58

All: -340.588+/-52.118 χ^2/NDF: 230.4/118

- sign -219.805+/-74.620 χ^2/NDF: 99.5/59

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 701.267+/-0.112 χ^2/NDF: 4394415.2/33

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 706.598+/-0.115 χ^2/NDF: 5313333.4/36

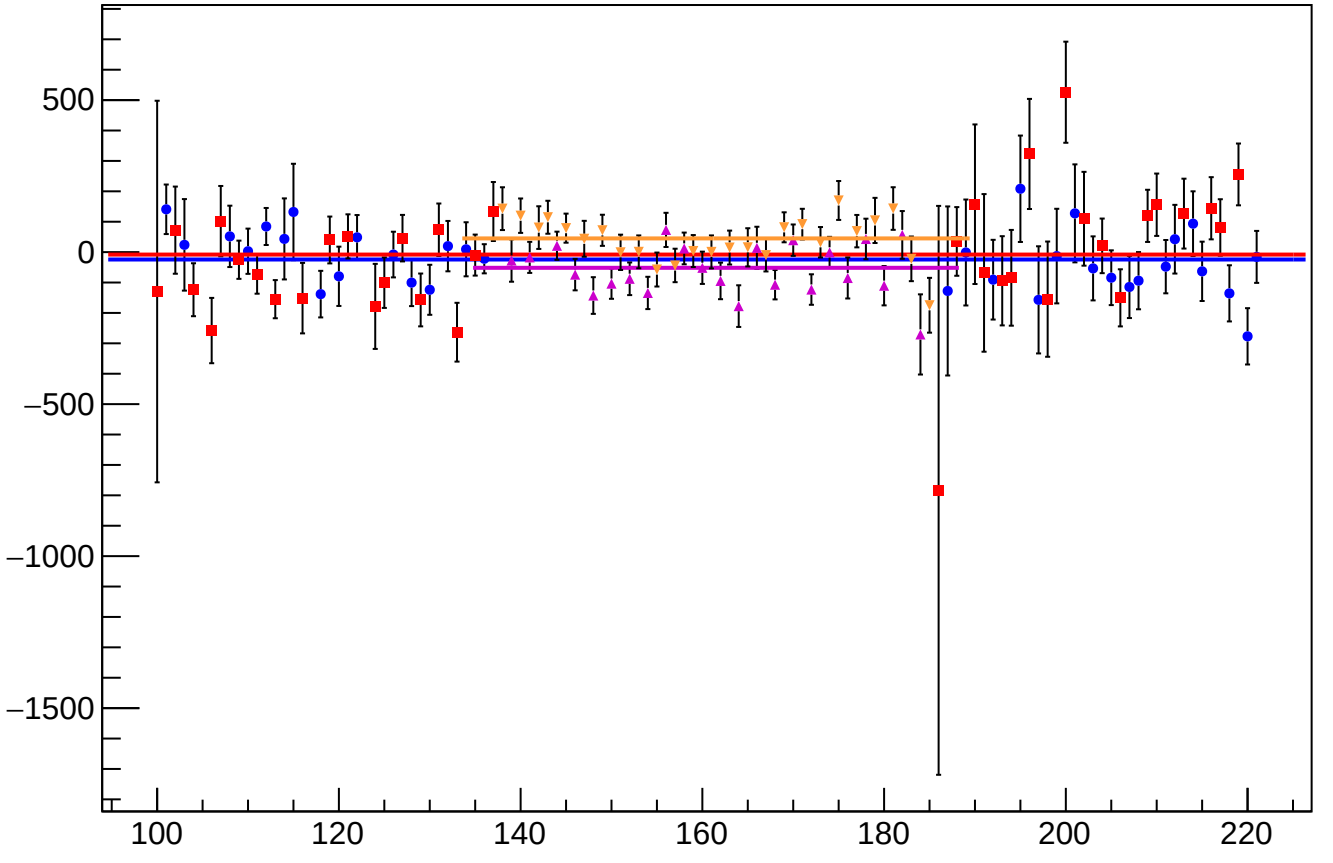
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 428.317+/-0.051 χ^2/NDF: 13120551.8/58

All: 427.639+/-0.037 χ^2/NDF: 26853518.7/11

- sign 426.927+/-0.053 χ^2/NDF: 13732611.8/59

cor_asym_sam_1357_avg_mean vs Slug



Right In: -24.283+/-15.922 χ^2/NDF: 32.0/33

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -8.065+/-16.261 χ^2/NDF: 68.9/36

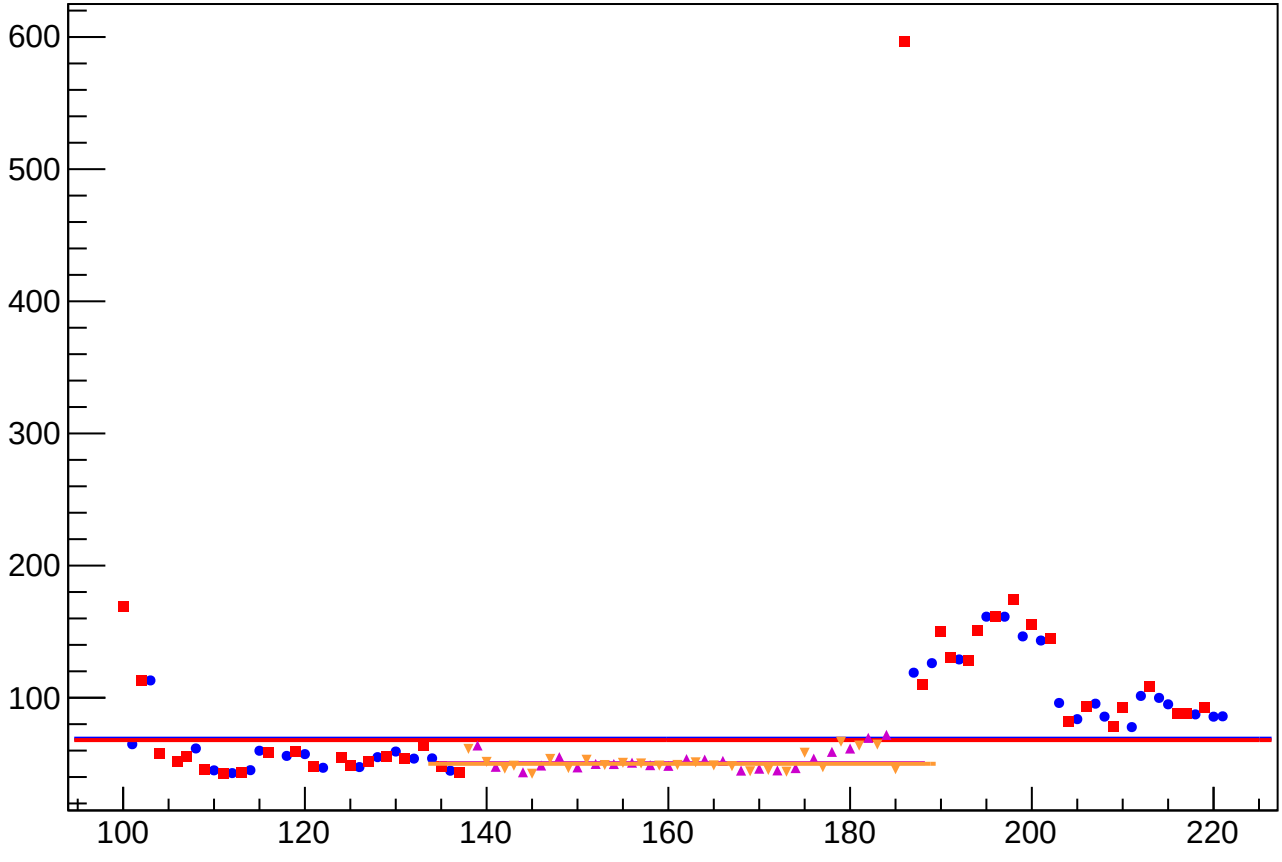
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 21.327+/-9.320 χ^2/NDF: 75.8/58

All: -6.617+/-6.693 χ^2/NDF: 203.7/118

- sign -36.379+/-9.618 χ^2/NDF: 109.4/59

cor_asym_sam_1357_avg_rms vs Slug



Right In: 69.026+/-0.011 χ^2/NDF: 5812249.0/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

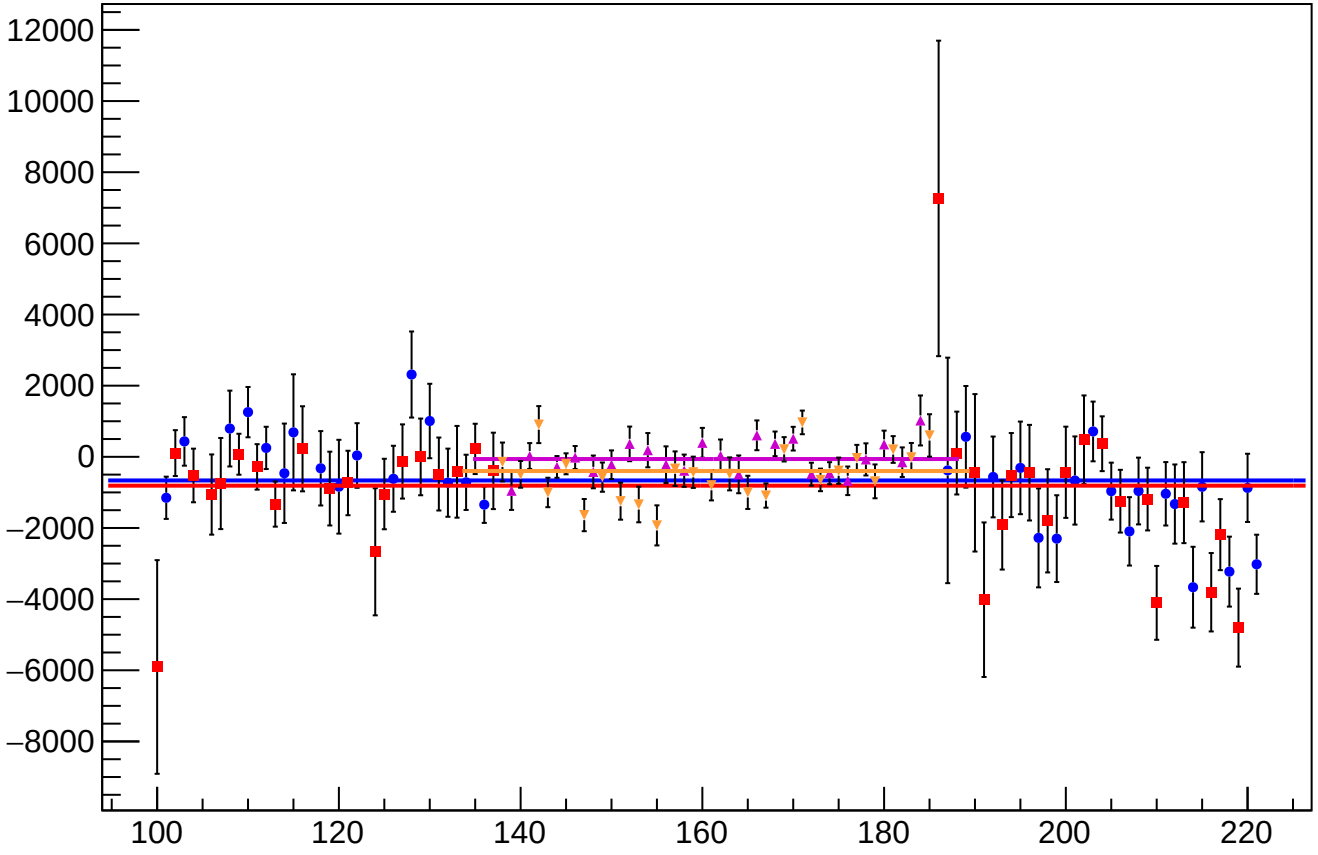
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.532+/-0.007 χ^2/NDF: 8194543.5/58

All: 56.569+/-0.005 χ^2/NDF: 17444107.9/118

- sign 56.608+/-0.007 χ^2/NDF: 9249500.5/59

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -664.151+/-157.986 χ^2/NDF: 58.2/33

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -810.692+/-163.391 χ^2/NDF: 58.4/36

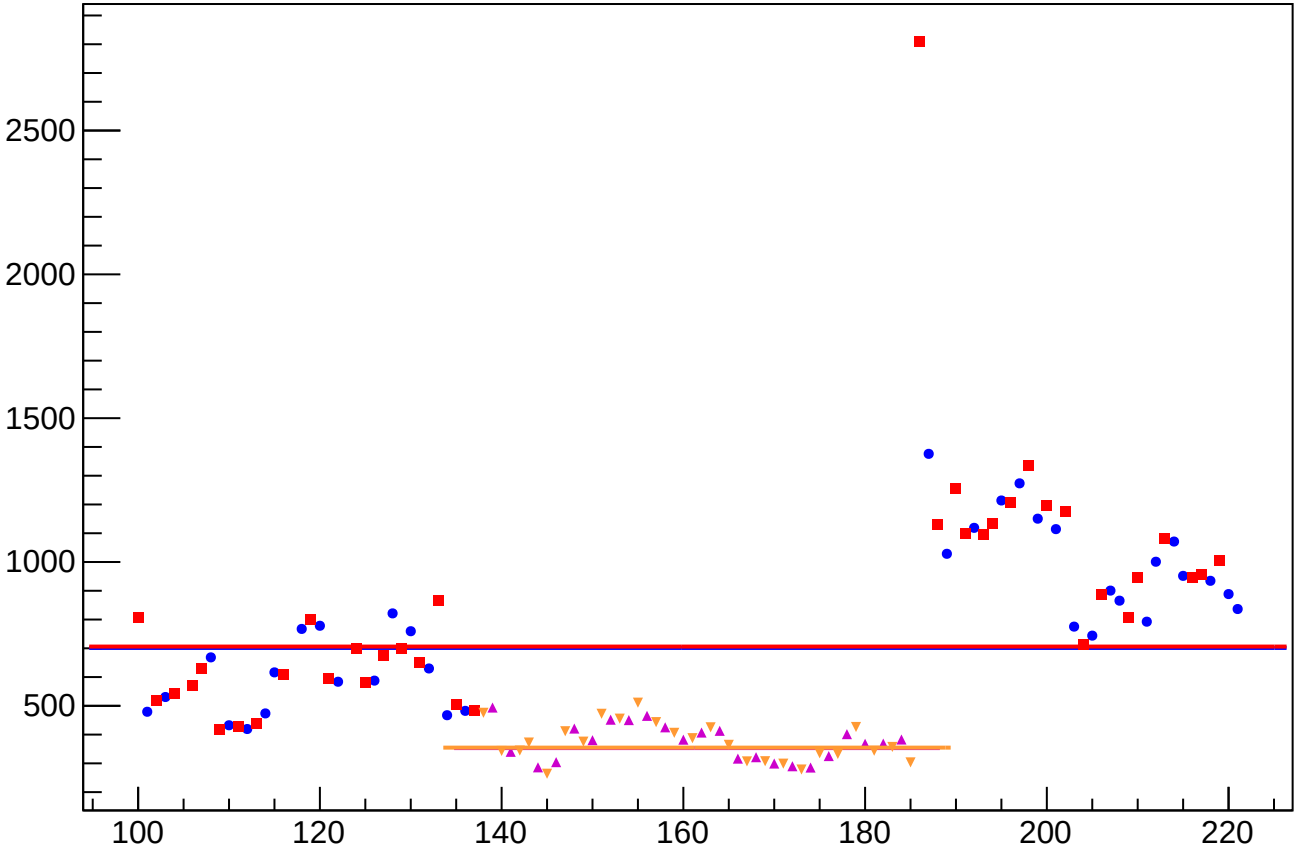
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -455.622+/-72.825 χ^2/NDF: 125.8/58

All: -339.830+/-52.121 χ^2/NDF: 229.9/118

- sign -218.226+/-74.630 χ^2/NDF: 98.9/59

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 701.272+/-0.112 χ^2/NDF: 4394306.9/33

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

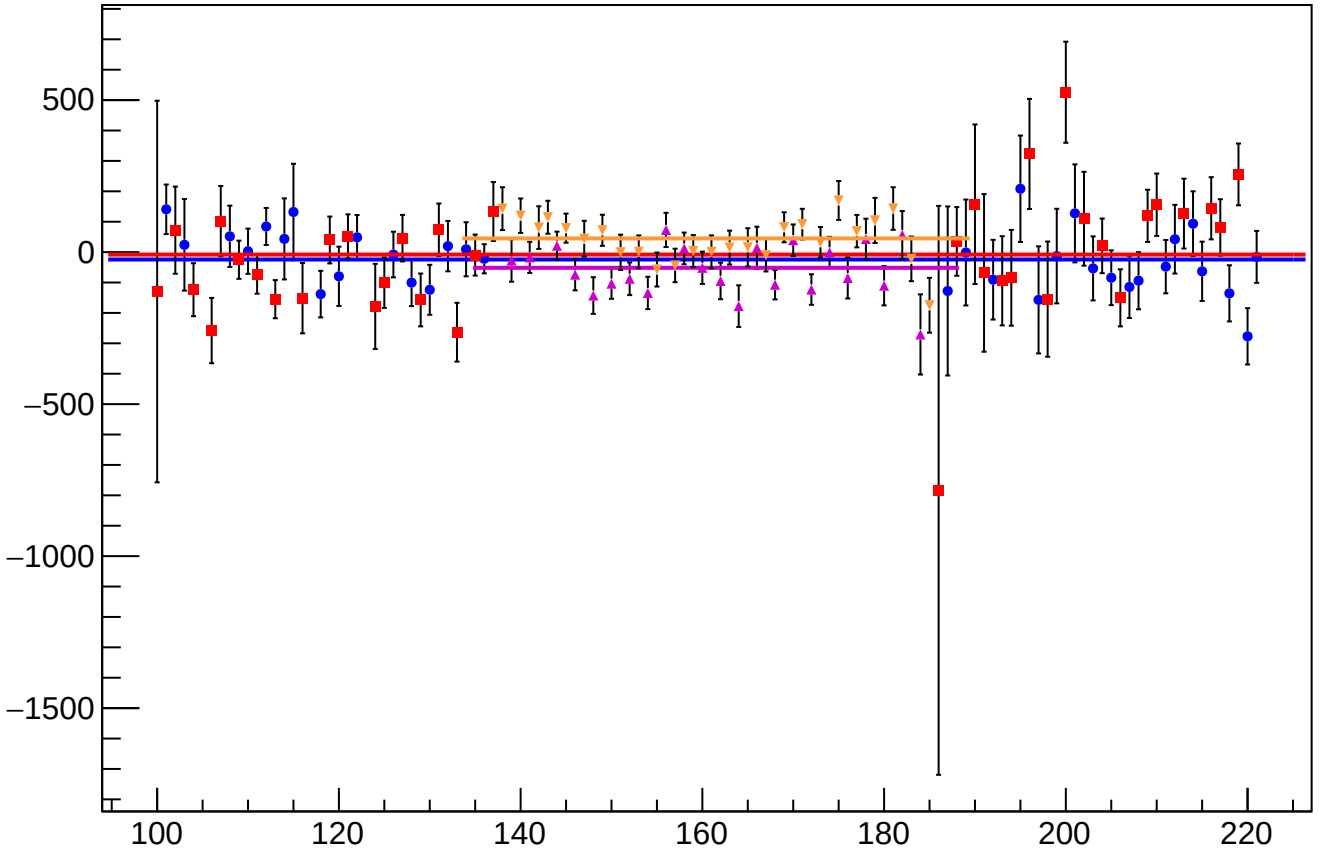
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 428.317+/-0.051 χ^2/NDF: 13120605.7/58

All: 427.545+/-0.037 χ^2/NDF: 26833361.0/11

- sign 426.735+/-0.053 χ^2/NDF: 13712295.2/59

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -24.283+/-15.922 χ^2/NDF: 32.0/33

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -8.065+/-16.261 χ^2/NDF: 68.9/36

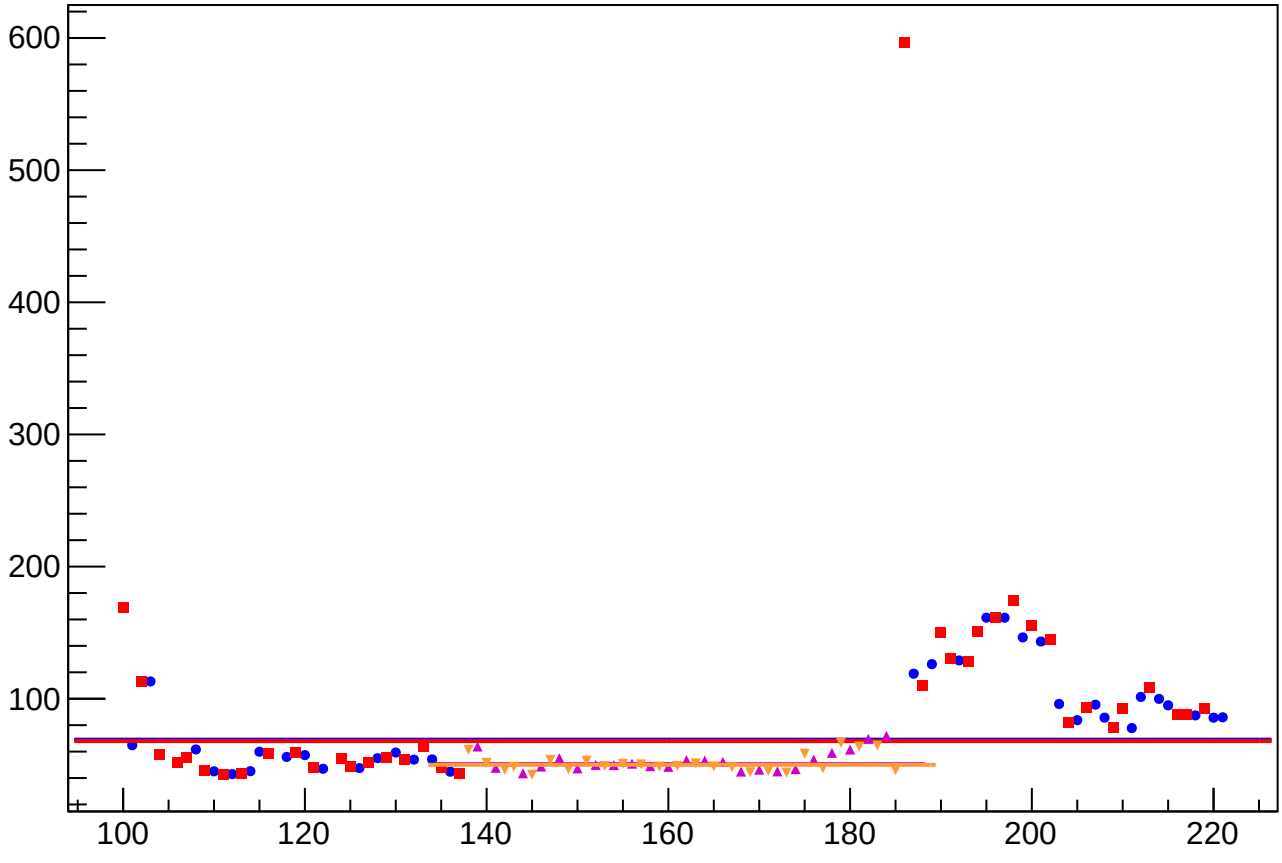
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 21.327+/-9.320 χ^2/NDF: 75.8/58

All: -6.617+/-6.693 χ^2/NDF: 203.7/118

- sign -36.379+/-9.618 χ^2/NDF: 109.4/59

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 69.026+/-0.011 χ^2/NDF: 5812249.0/33

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

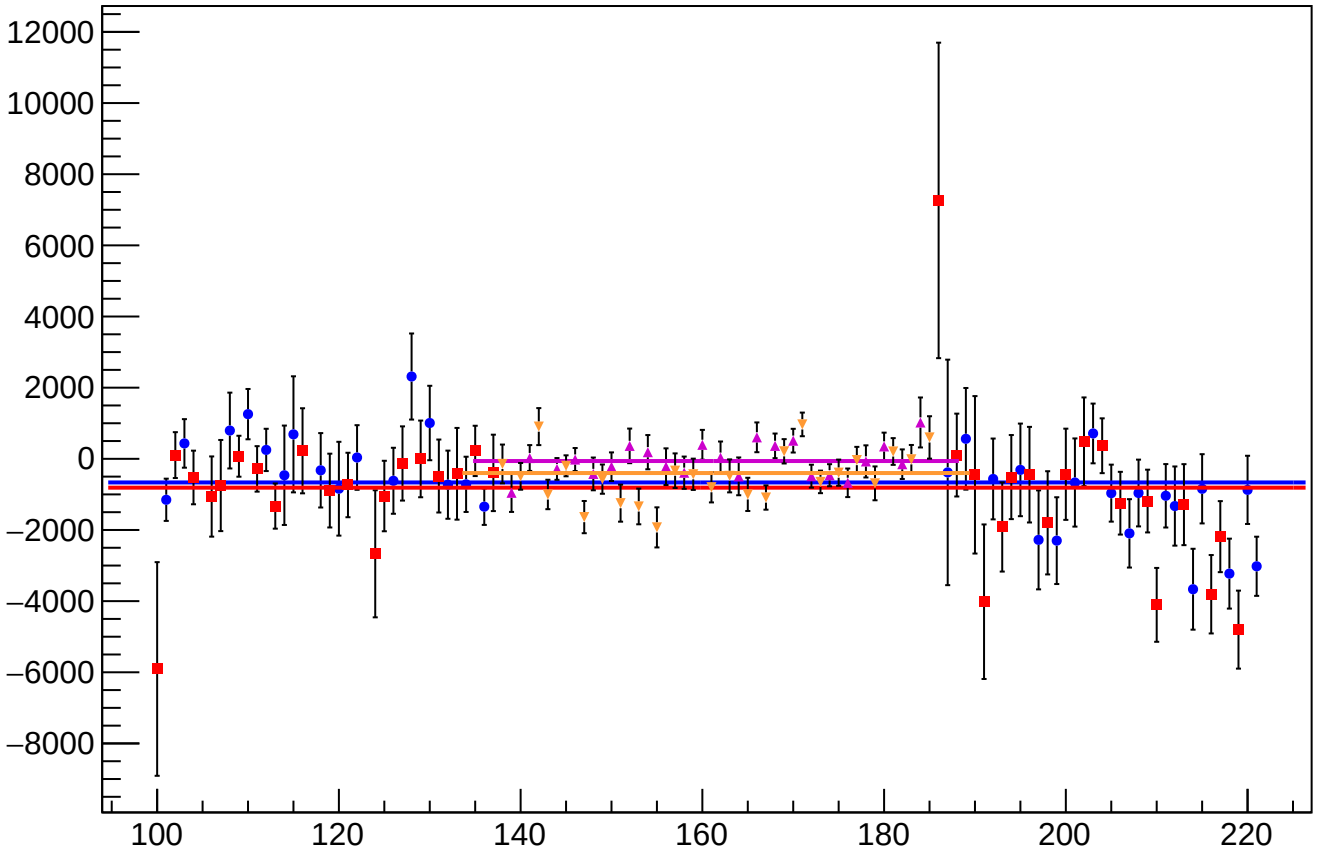
Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.532+/-0.007 χ^2/NDF: 8194543.5/58

All: 56.569+/-0.005 χ^2/NDF: 17444107.9/118

- sign 56.608+/-0.007 χ^2/NDF: 9249500.5/59



Right In: -664.151+/-157.986 χ^2/NDF: 58.2/33

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

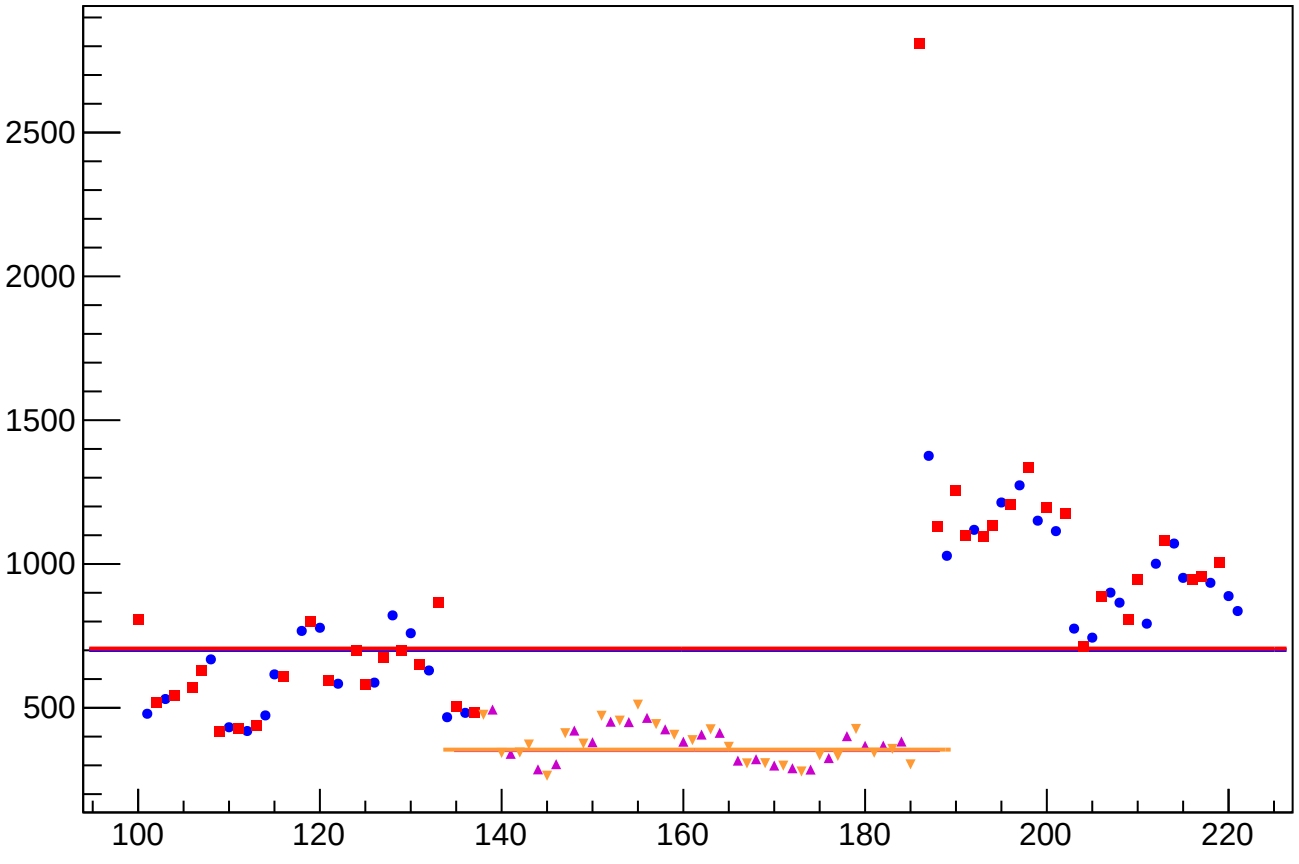
Right Out: -810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -455.622+/-72.825 χ^2/NDF: 125.8/58

All: -339.830+/-52.121 χ^2/NDF: 229.9/118

- sign -218.226+/-74.630 χ^2/NDF: 98.9/59



Right In: 701.272+/-0.112 χ^2/NDF: 4394306.9/33

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

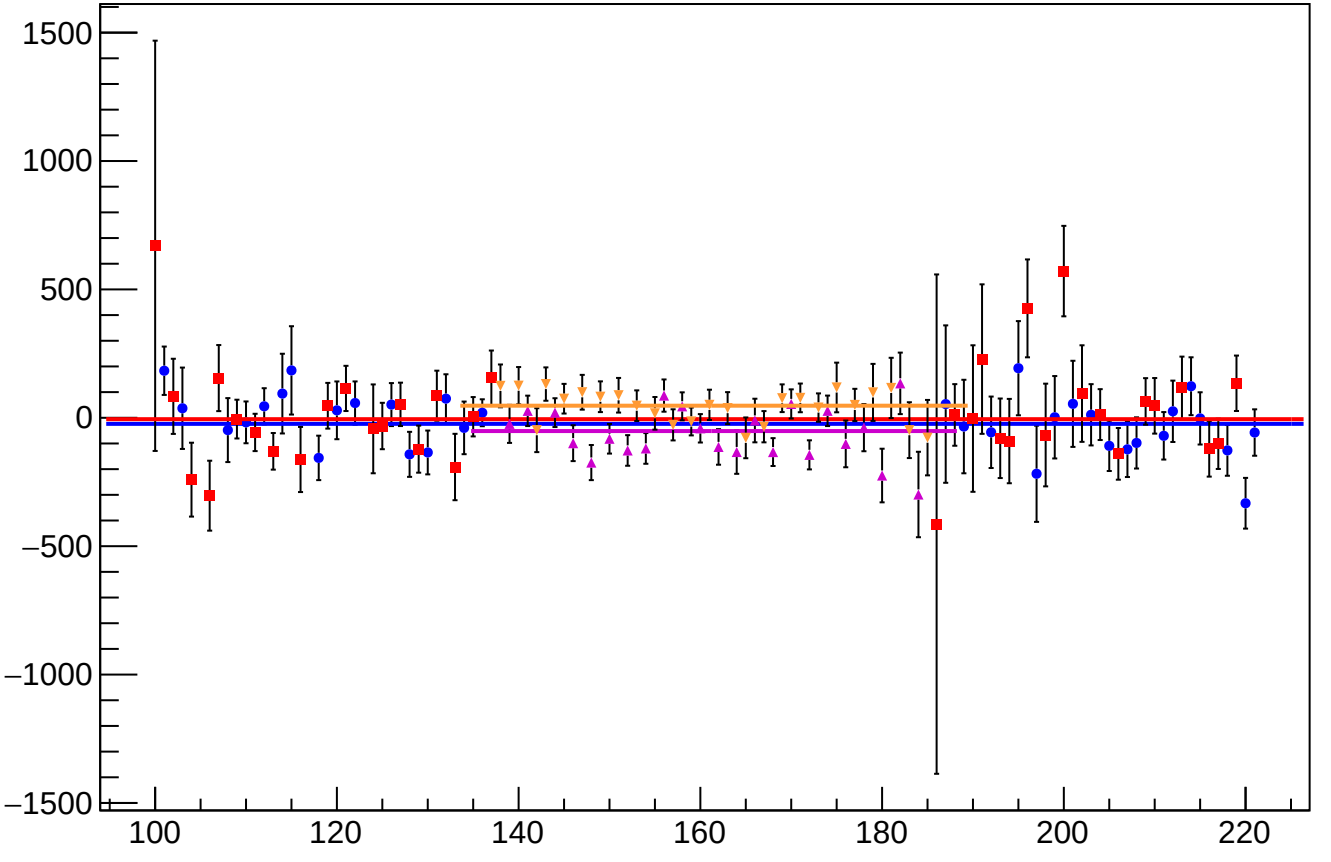
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 428.317+/-0.051 χ^2/NDF: 13120605.7/58

All: 427.545+/-0.037 χ^2/NDF: 26833361.0/11

- sign 426.735+/-0.053 χ^2/NDF: 13712295.2/59

dit_asym_sam_1357_avg_mean vs Slug



Right In: -23.585+/-17.528 χ^2/NDF: 35.9/33

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.347+/-18.362 χ^2/NDF: 49.9/36

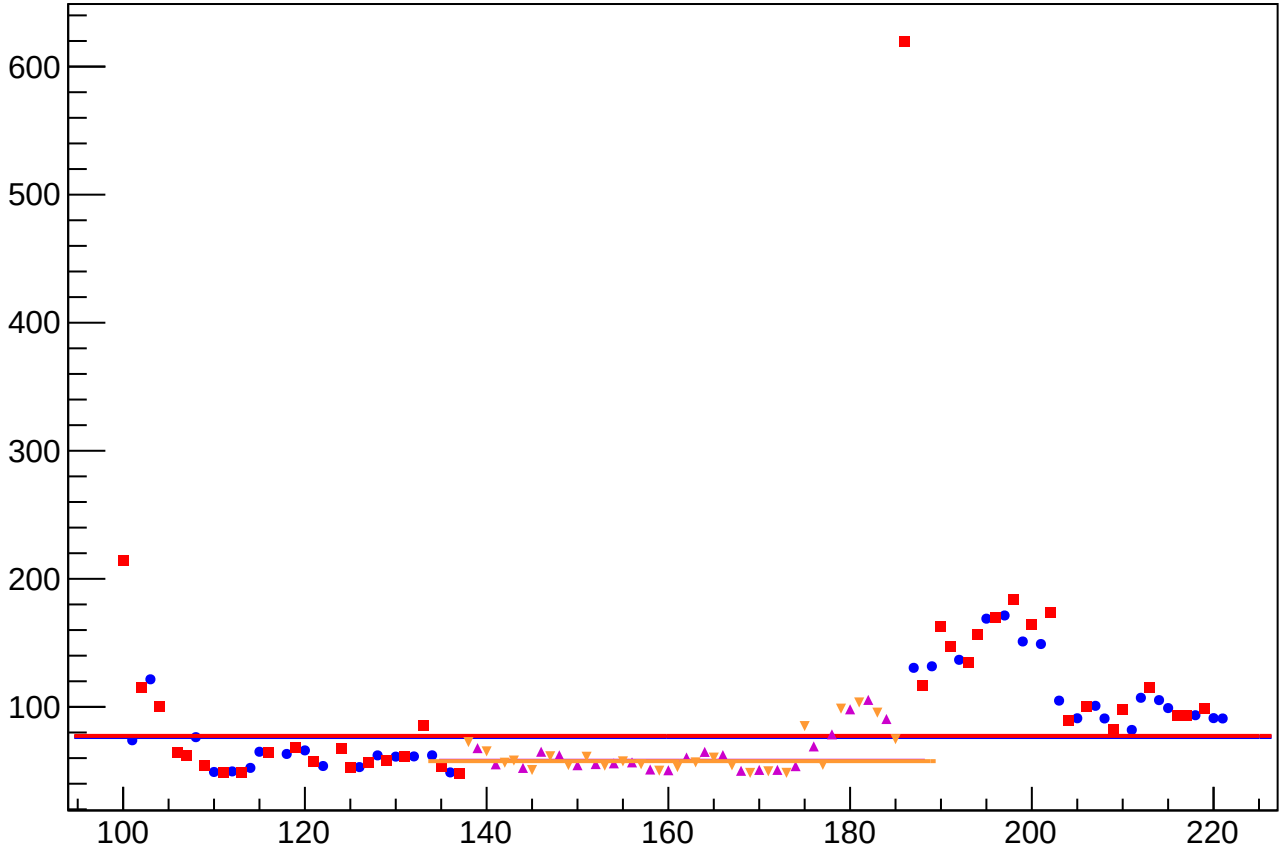
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 20.786+/-10.701 χ^2/NDF: 63.1/58

All: -5.958+/-7.704 χ^2/NDF: 168.2/118

- sign -34.731+/-11.100 χ^2/NDF: 92.1/59

dit_asym_sam_1357_avg_rms vs Slug



Right In: 76.473+/-0.012 χ^2/NDF: 5142098.3/33

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 77.355+/-0.013 χ^2/NDF: 6515171.2/36

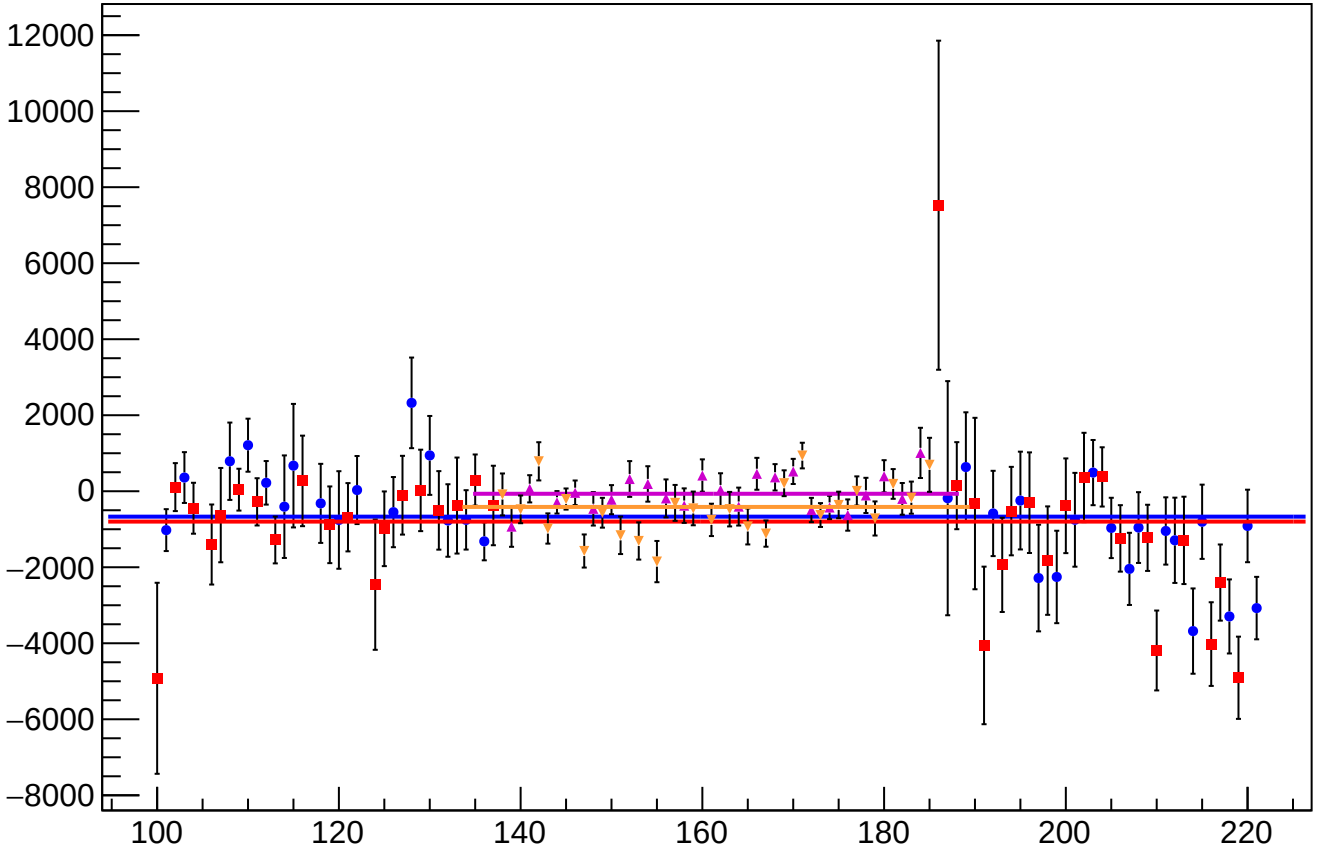
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 64.654+/-0.008 χ^2/NDF: 7957204.7/58

All: 64.837+/-0.005 χ^2/NDF: 17017118.8/118

- sign 65.035+/-0.008 χ^2/NDF: 9058692.3/59

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -668.719+/-155.358 χ^2/NDF: 58.1/33

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -798.519+/-159.231 χ^2/NDF: 63.3/36

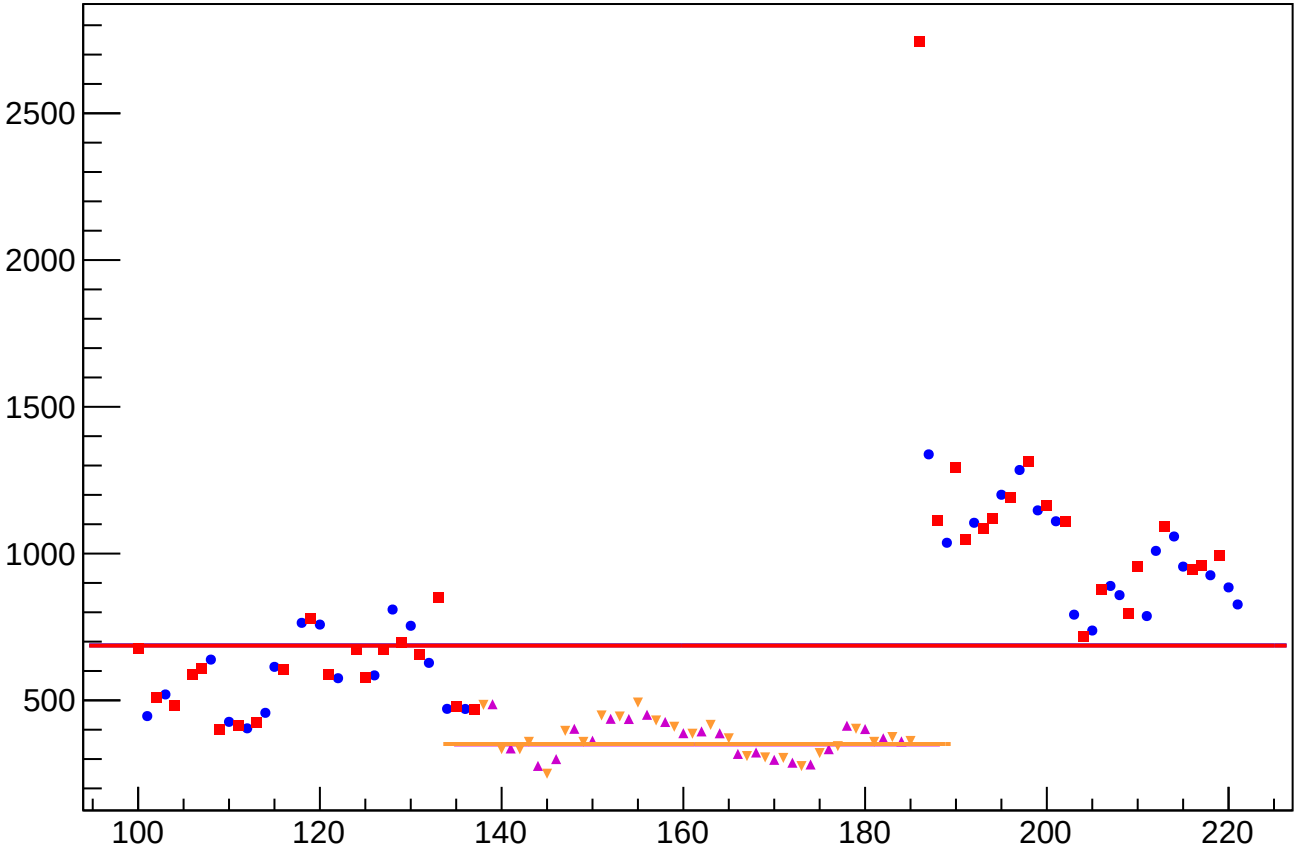
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -467.840+/-71.918 χ^2/NDF: 121.6/58

All: -348.469+/-51.458 χ^2/NDF: 230.1/118

- sign -223.250+/-73.658 χ^2/NDF: 102.8/59

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 687.279+/-0.110 χ^2/NDF: 4683401.1/33

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 686.431+/-0.113 χ^2/NDF: 5623784.7/36

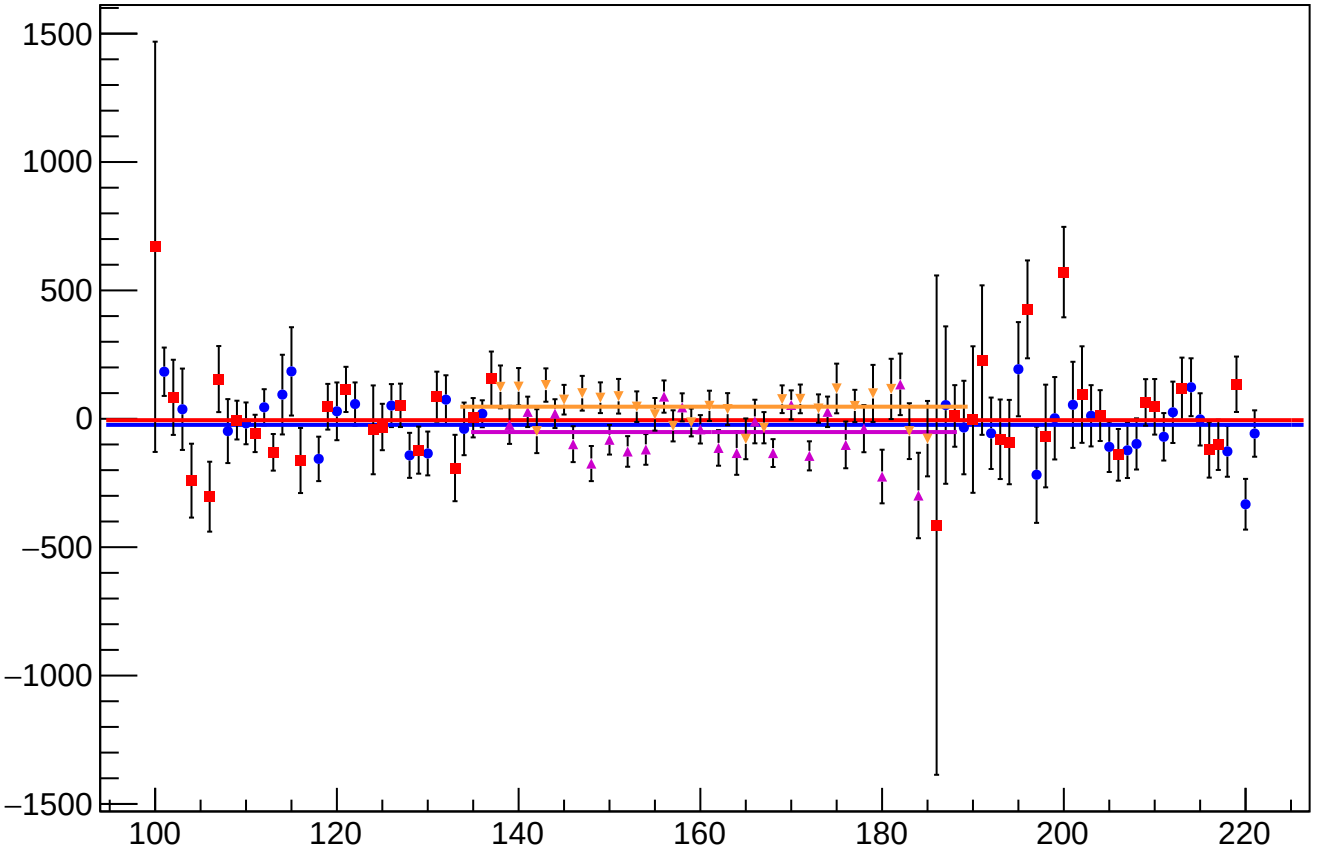
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 423.269+/-0.051 χ^2/NDF: 13152582.4/58

All: 422.574+/-0.036 χ^2/NDF: 26792662.9/11

- sign 421.845+/-0.052 χ^2/NDF: 13639697.6/59

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -23.585+/-17.528 χ^2/NDF: 35.9/33

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.346+/-18.362 χ^2/NDF: 49.9/36

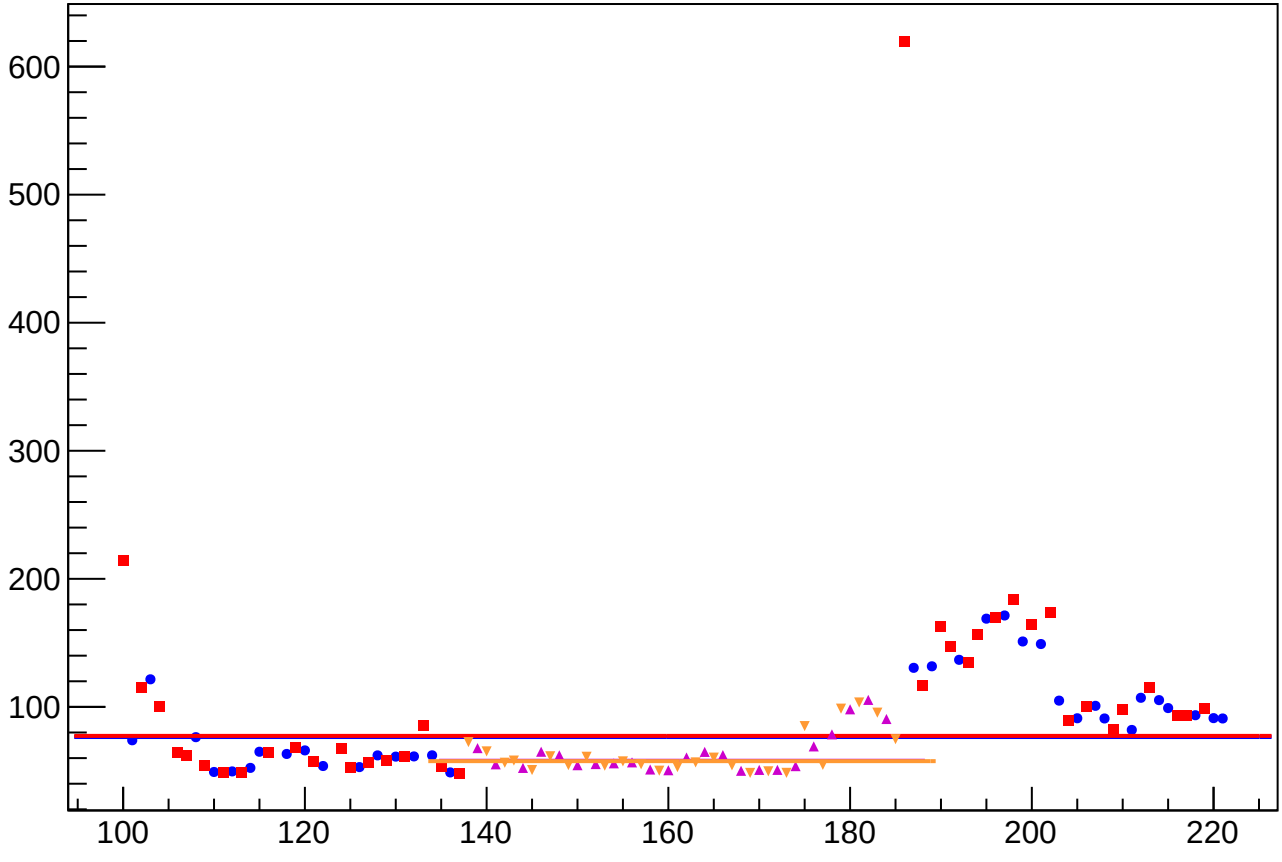
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 20.787+/-10.701 χ^2/NDF: 63.1/58

All: -5.958+/-7.704 χ^2/NDF: 168.2/118

- sign -34.730+/-11.100 χ^2/NDF: 92.1/59

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 76.473+/-0.012 χ^2/NDF: 5142065.9/33

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 77.356+/-0.013 χ^2/NDF: 6515147.0/36

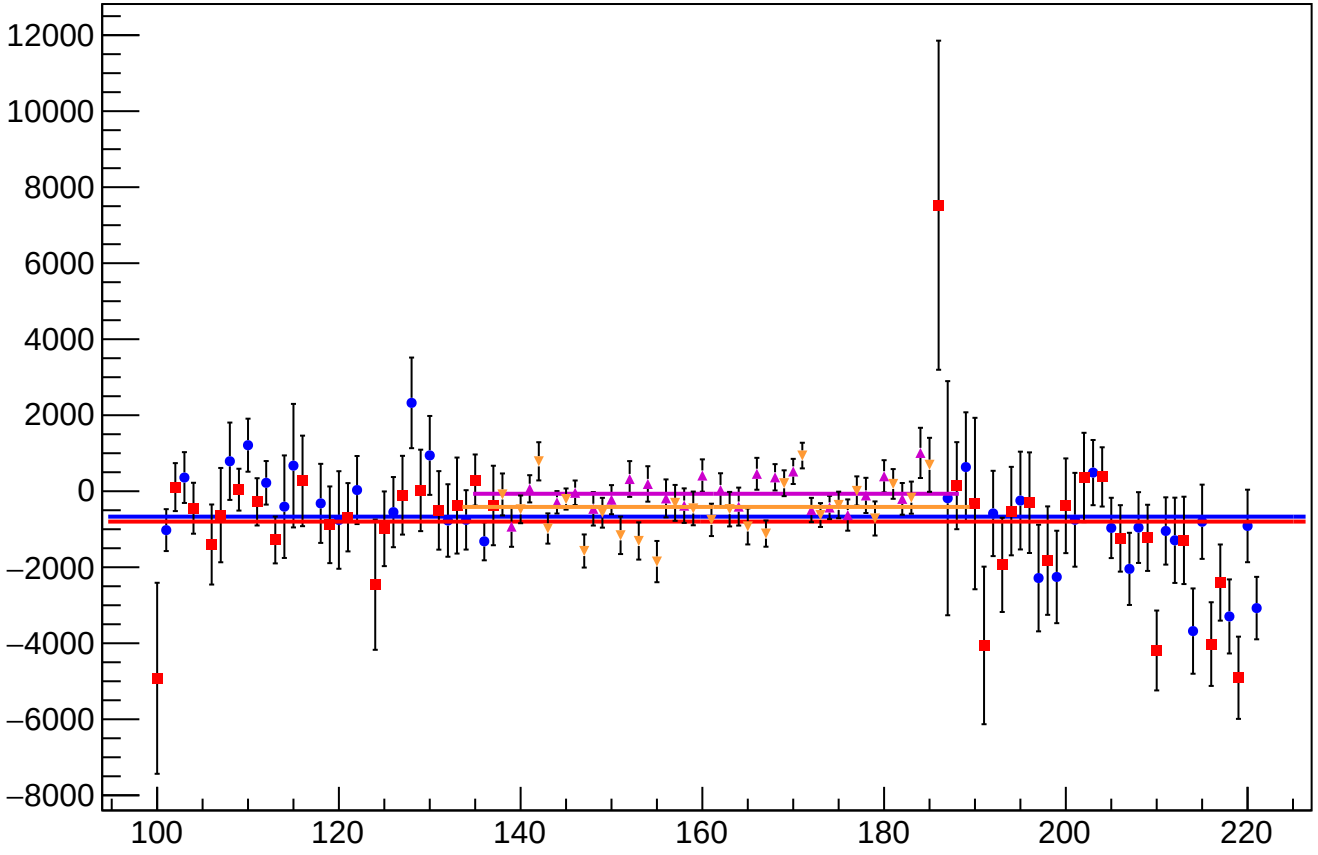
Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 64.654+/-0.008 χ^2/NDF: 7957160.5/58

All: 64.837+/-0.005 χ^2/NDF: 17017030.1/118

- sign 65.035+/-0.008 χ^2/NDF: 9058647.5/59

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug



Right In: -668.717+/-155.358 χ^2/NDF: 58.1/33

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

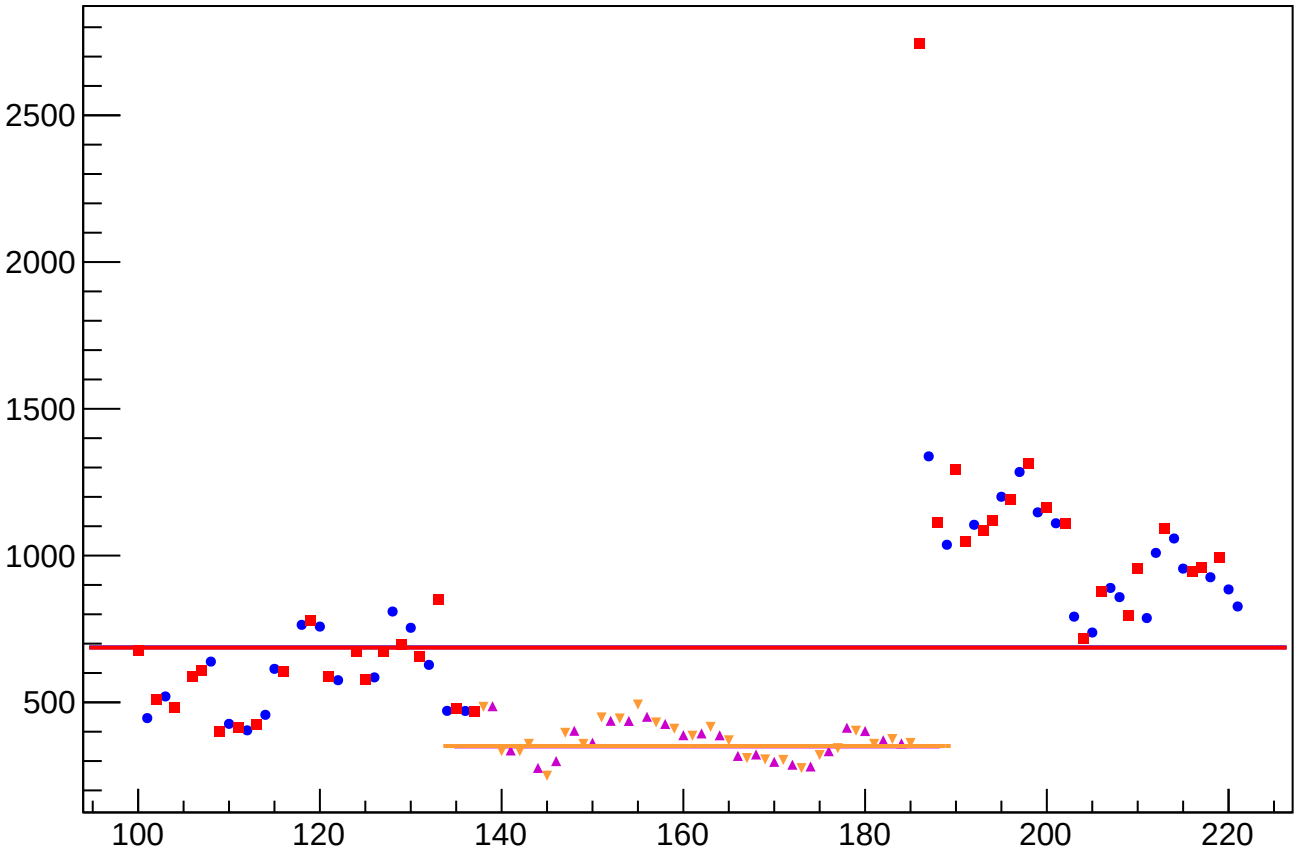
Right Out: -798.517+/-159.231 χ^2/NDF: 63.3/36

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -467.839+/-71.918 χ^2/NDF: 121.6/58

All: -348.468+/-51.458 χ^2/NDF: 230.1/118

- sign -223.250+/-73.658 χ^2/NDF: 102.8/59



Right In: 687.278+/-0.110 χ^2/NDF: 4683416.4/33

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 686.430+/-0.113 χ^2/NDF: 5623794.2/36

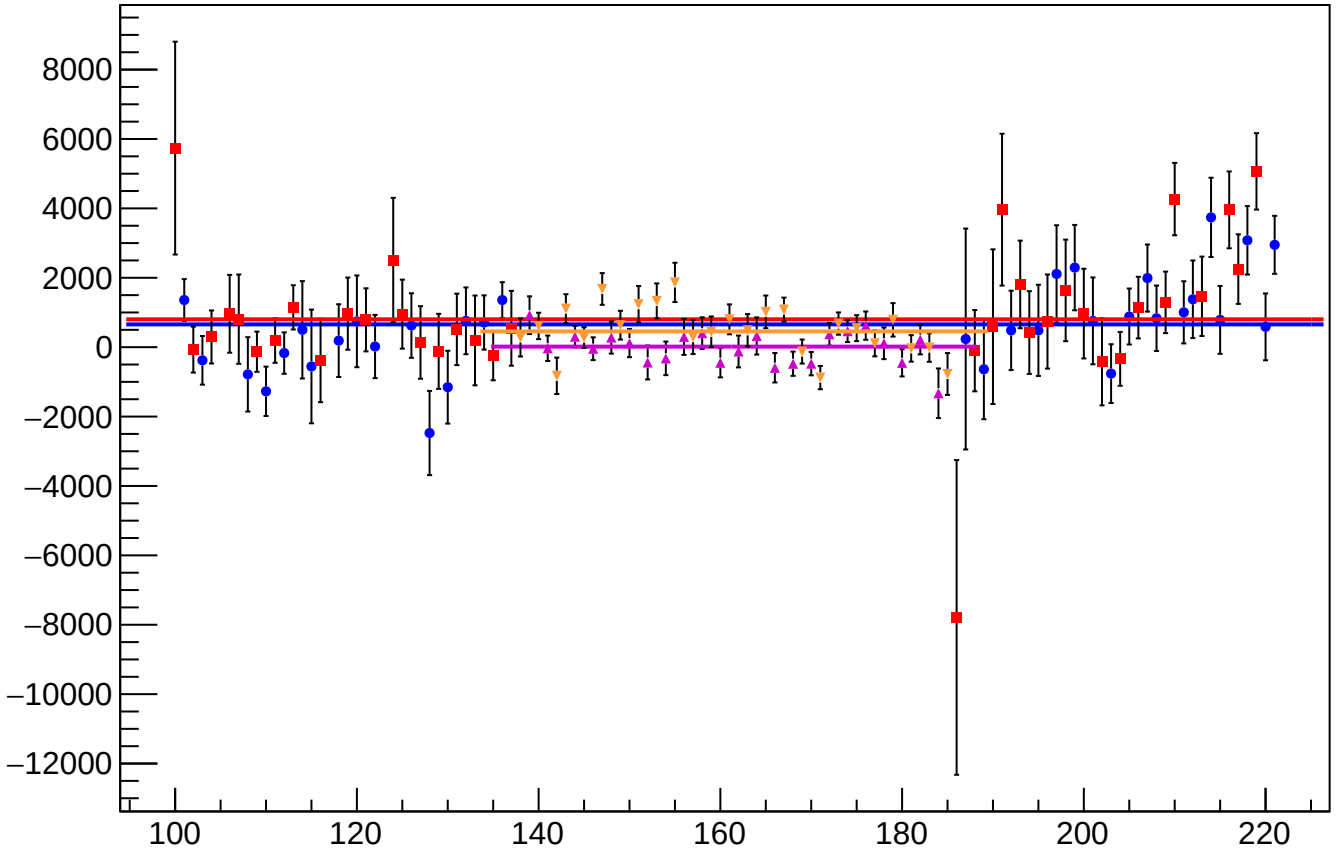
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 423.269+/-0.051 χ^2/NDF: 13152578.0/58

All: 422.574+/-0.036 χ^2/NDF: 26792638.6/11

- sign 421.844+/-0.052 χ^2/NDF: 13639677.8/59

asym_sam_1357_avg_mean vs Slug



Right In: 656.566+/-159.152 χ^2/NDF: 57.3/33

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 802.717+/-164.522 χ^2/NDF: 61.7/36

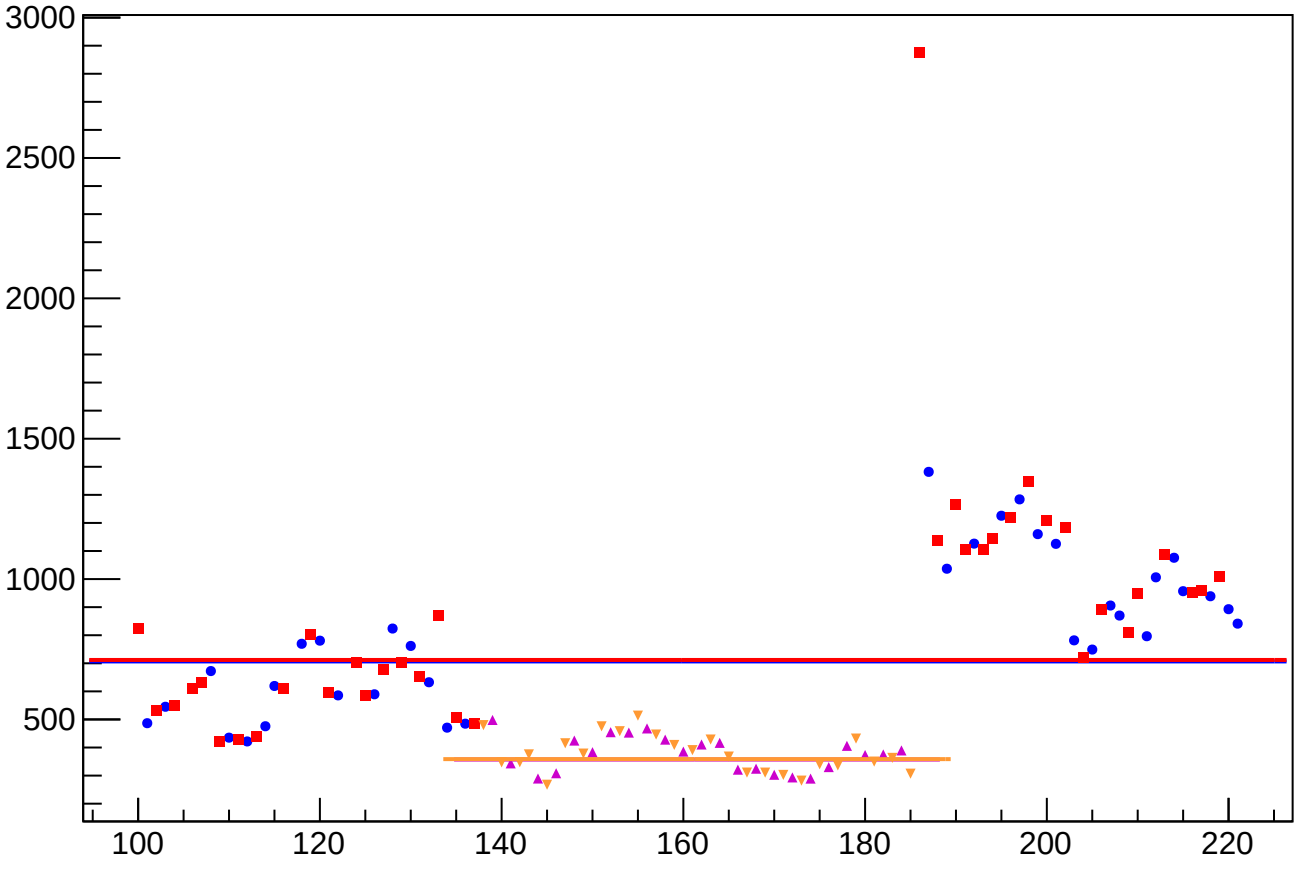
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 498.251+/-73.566 χ^2/NDF: 119.4/58

All: 343.666+/-52.655 χ^2/NDF: 233.1/118

- sign 181.287+/-75.398 χ^2/NDF: 104.6/59

asym_sam_1357_avg_rms vs Slug



Right In: 706.673+/-0.113 χ^2/NDF: 4367444.2/33

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

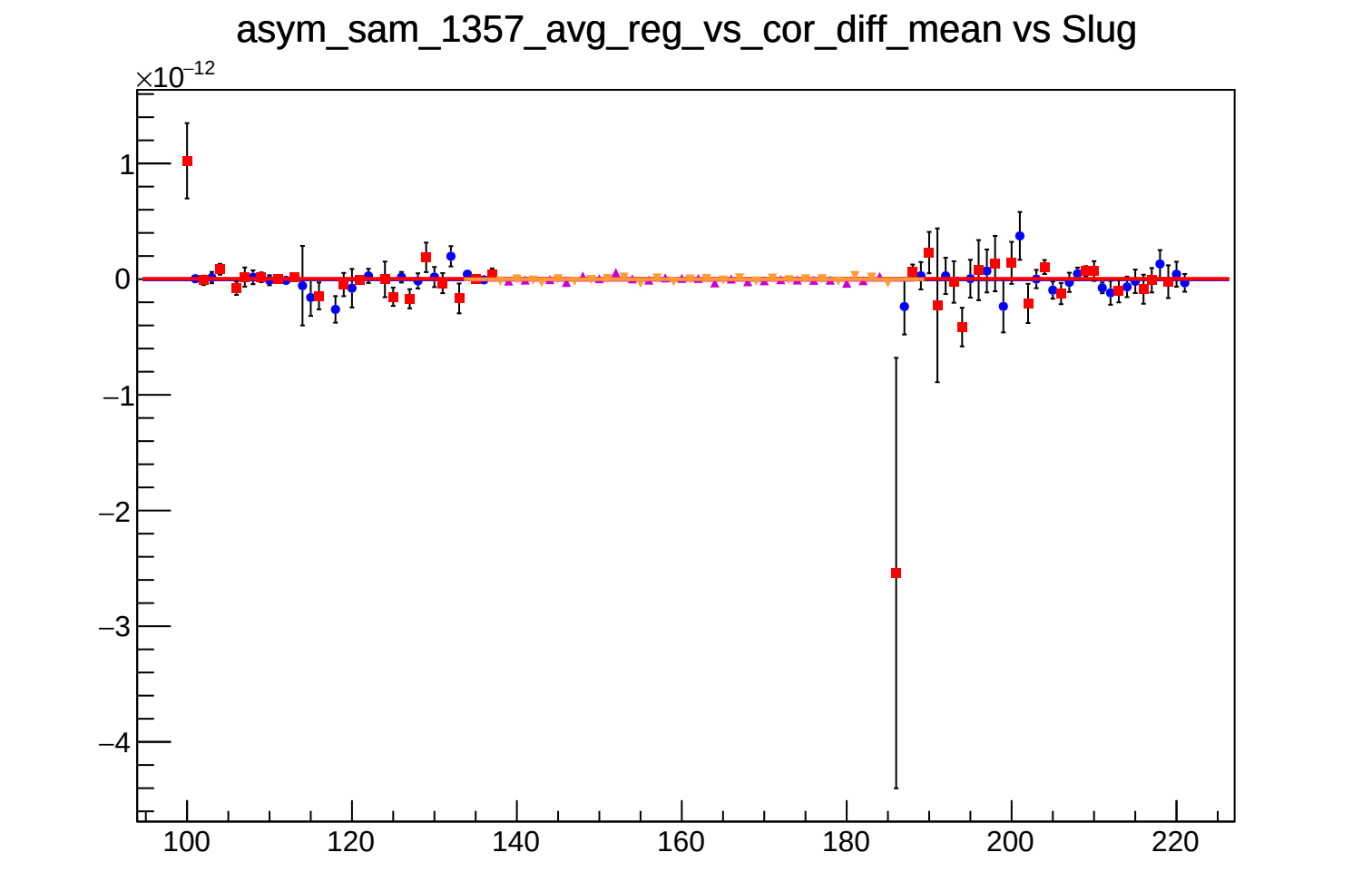
Right Out: 711.886+/-0.116 χ^2/NDF: 5300301.4/36

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 433.030+/-0.052 χ^2/NDF: 13006008.5/58

All: 432.371+/-0.037 χ^2/NDF: 26632164.4/11

- sign 431.678+/-0.053 χ^2/NDF: 13625826.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/33

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

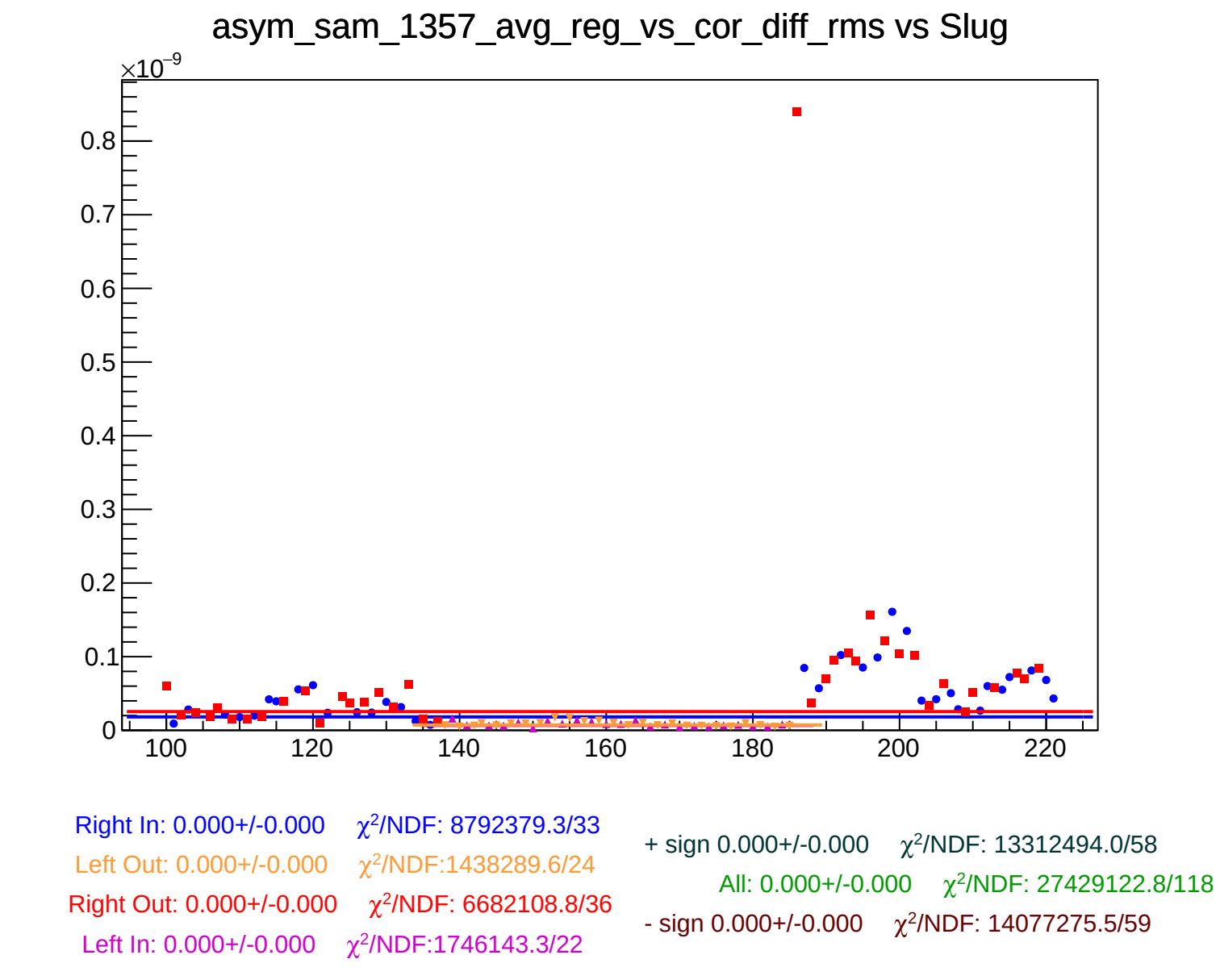
Right Out: 0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

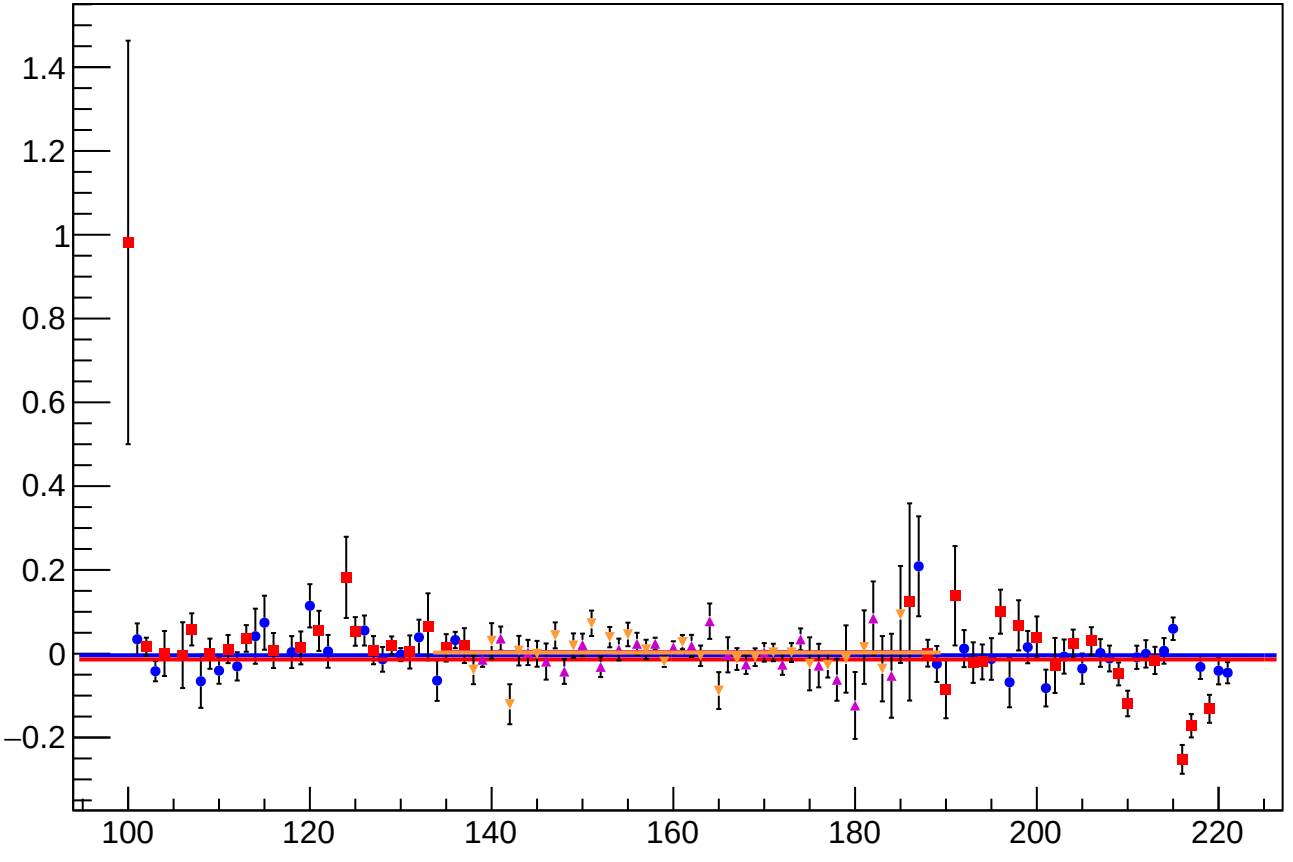
+ sign -0.000+/-0.000 χ^2/NDF: 45.9/58

All: -0.000+/-0.000 χ^2/NDF: 128.9/118

- sign -0.000+/-0.000 χ^2/NDF: 81.9/59


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8792379.3/33
Left Out: 0.000+/-0.000 χ²/NDF:1438289.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6682108.8/36
Left In: 0.000+/-0.000 χ²/NDF:1746143.3/22
+ sign 0.000+/-0.000 χ²/NDF: 13312494.0/58
All: 0.000+/-0.000 χ²/NDF: 27429122.8/118
- sign 0.000+/-0.000 χ²/NDF: 14077275.5/59

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

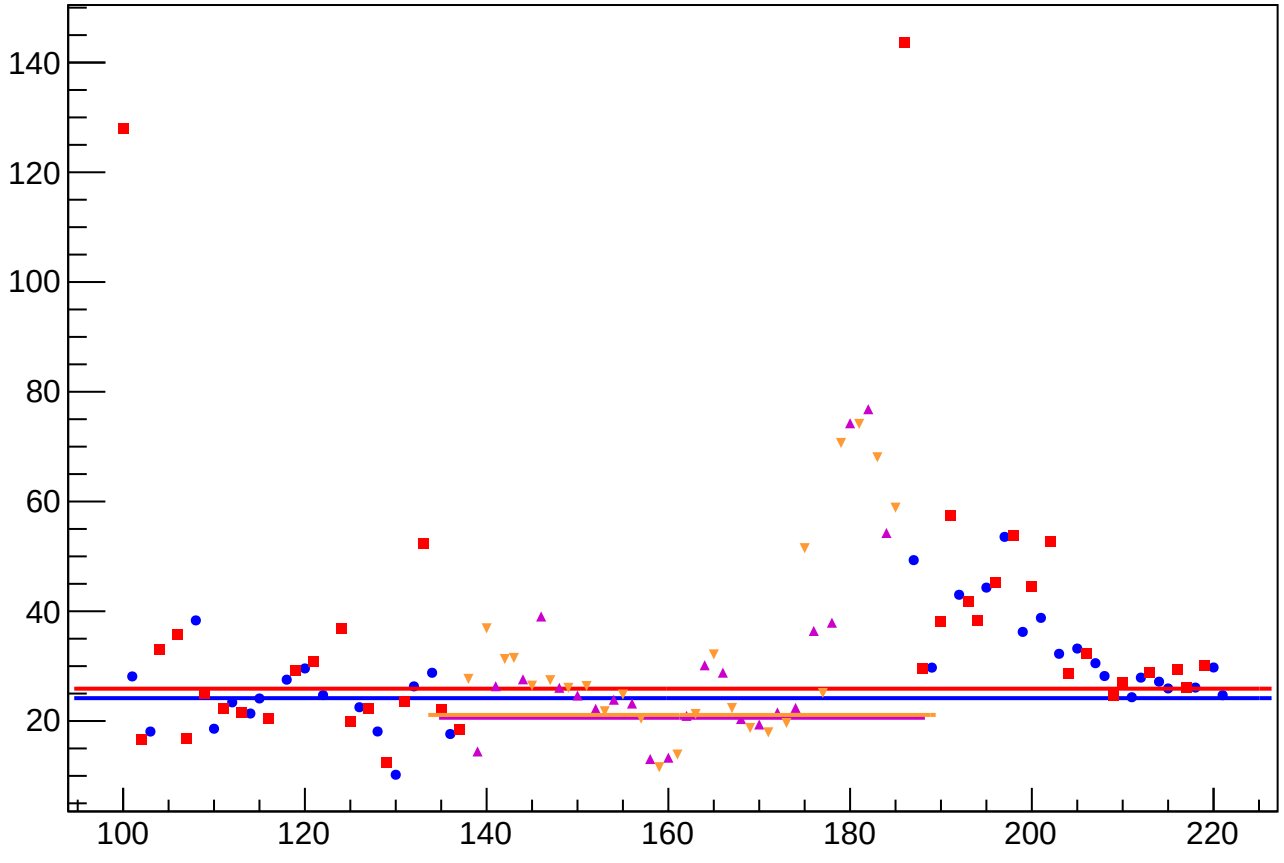
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.002+/-0.003 χ^2/NDF: 254.8/118

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.164+/-0.004 χ^2/NDF: 4448413.9/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

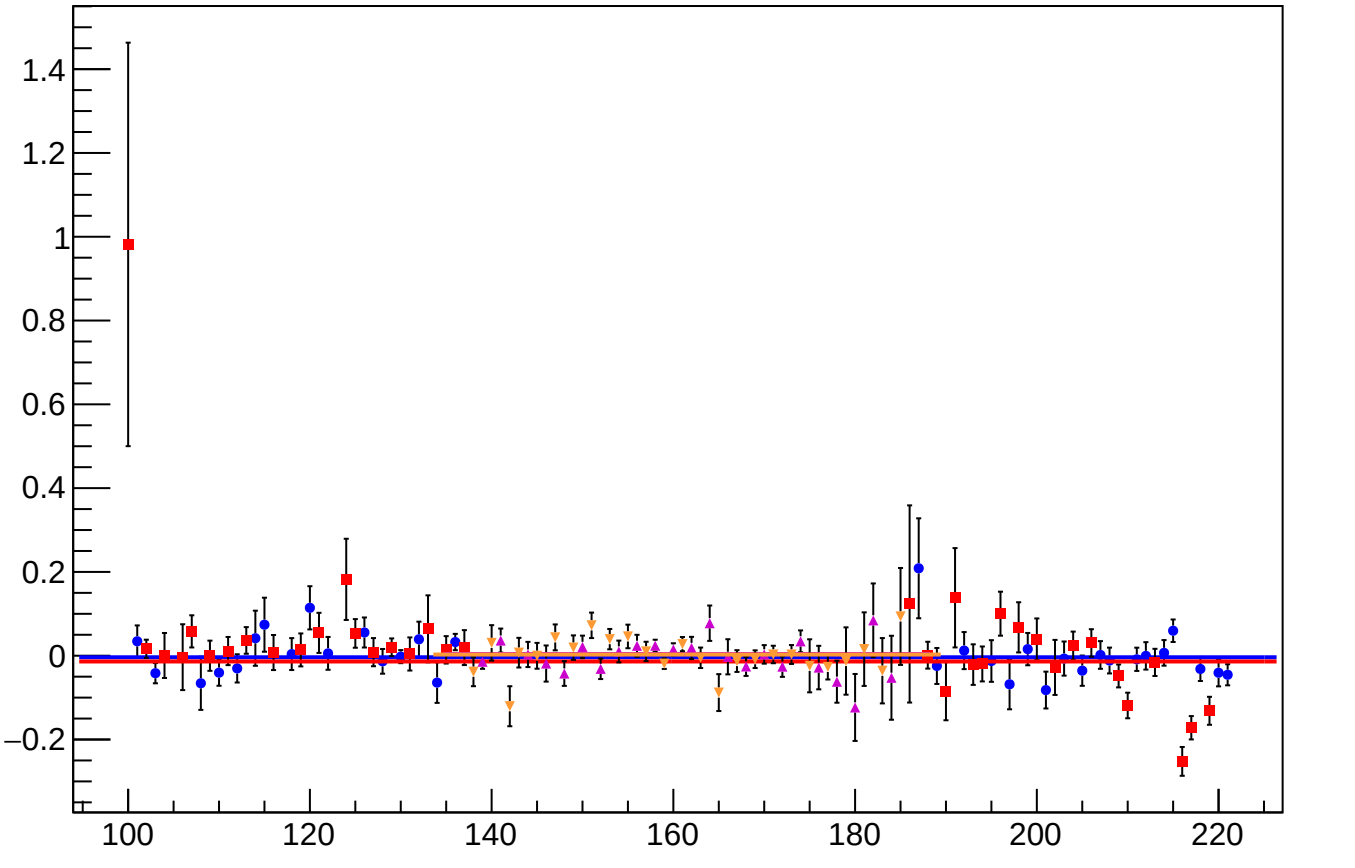
Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.578+/-0.003 χ^2/NDF: 10297041.8/58

All: 22.724+/-0.002 χ^2/NDF: 20350245.9/118

- sign 22.881+/-0.003 χ^2/NDF: 10047505.4/59



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

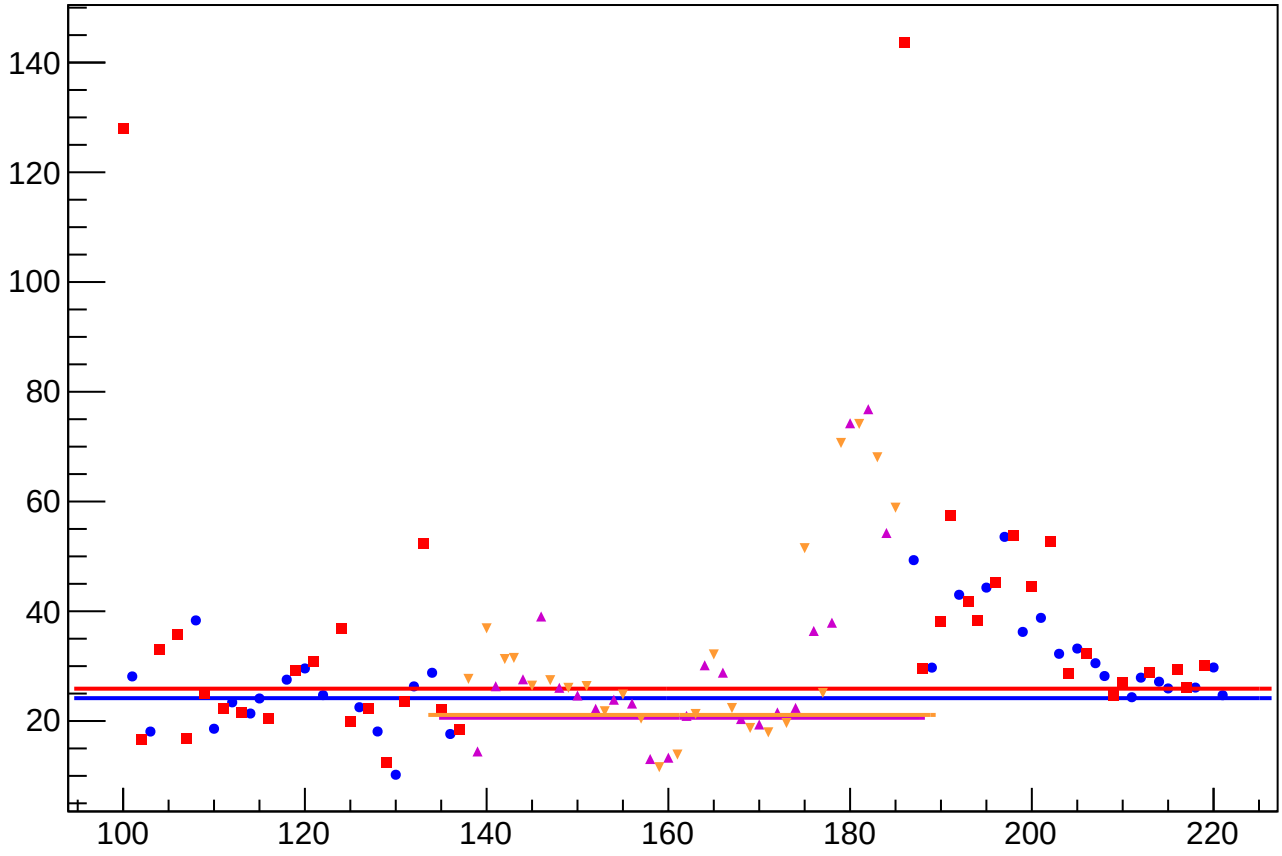
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.002+/-0.003 χ^2/NDF: 254.8/118

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.164+/-0.004 χ^2/NDF: 4448413.9/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

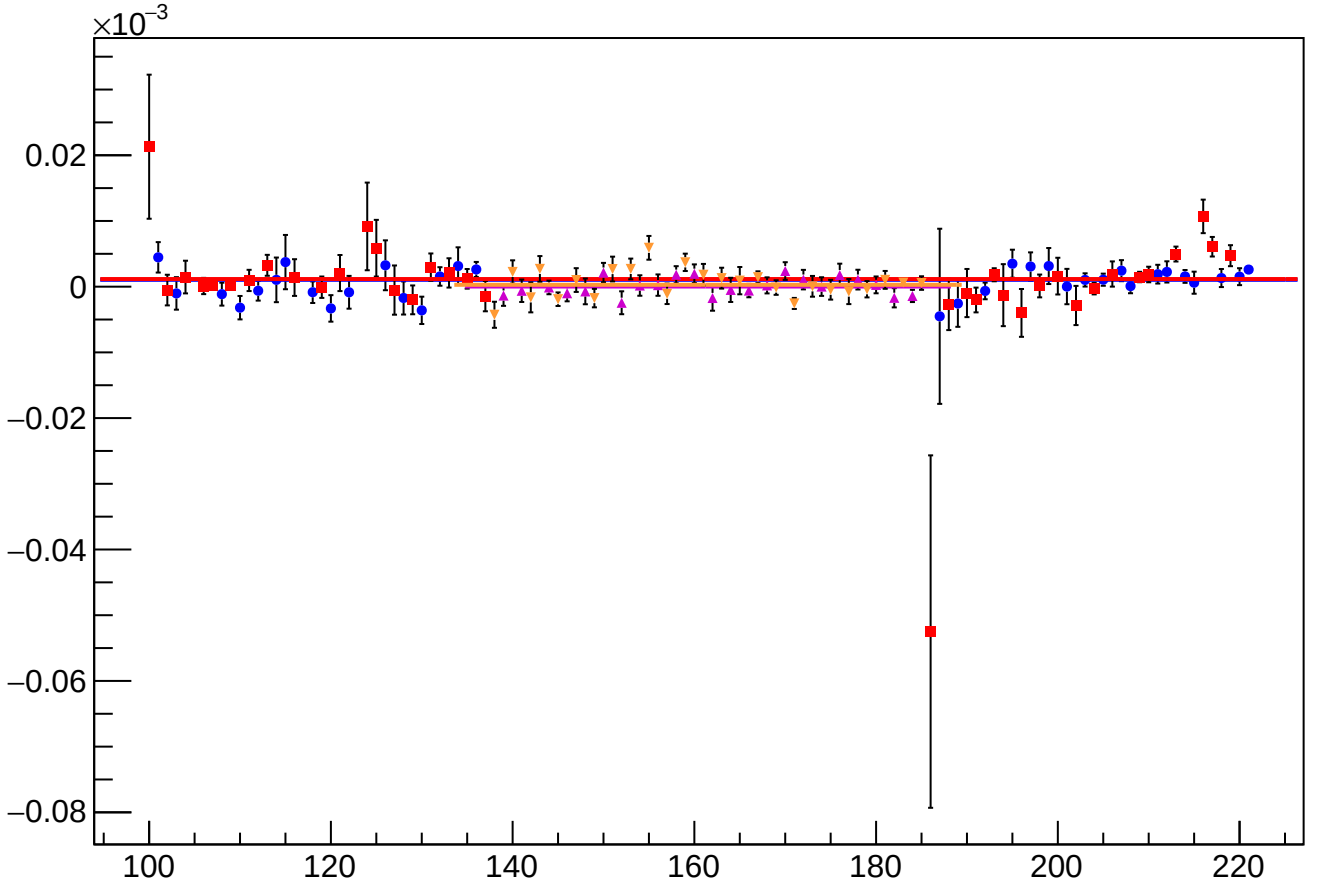
Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.578+/-0.003 χ^2/NDF: 10297041.8/58

All: 22.724+/-0.002 χ^2/NDF: 20350245.9/118

- sign 22.881+/-0.003 χ^2/NDF: 10047505.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

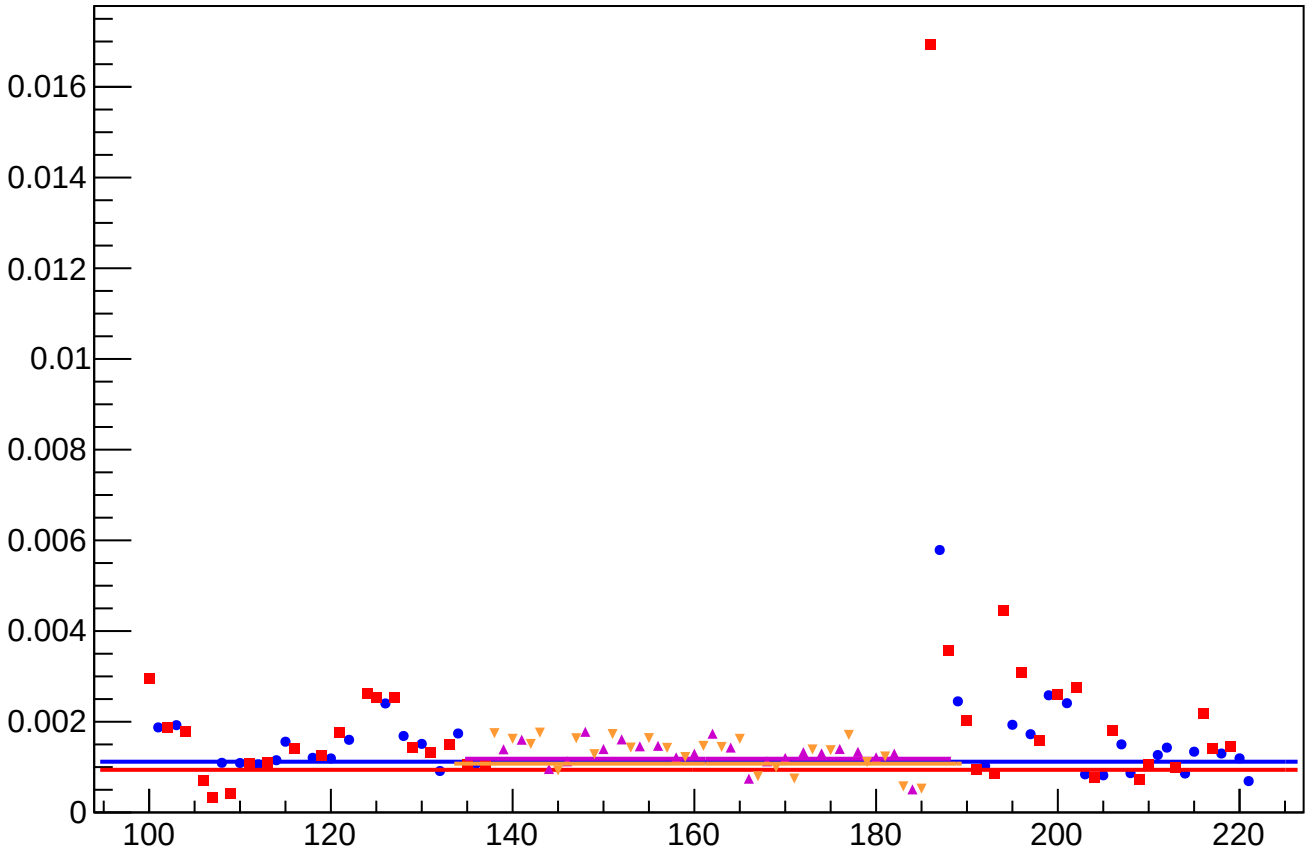
Right Out: 0.000+/-0.000 χ^2/NDF: 76.5/36

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.6/58

All: 0.000+/-0.000 χ^2/NDF: 202.9/118

- sign 0.000+/-0.000 χ^2/NDF: 105.2/59



Right In: 0.001+/-0.000 χ^2/NDF: 4679271.1/33

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12112880.5/36

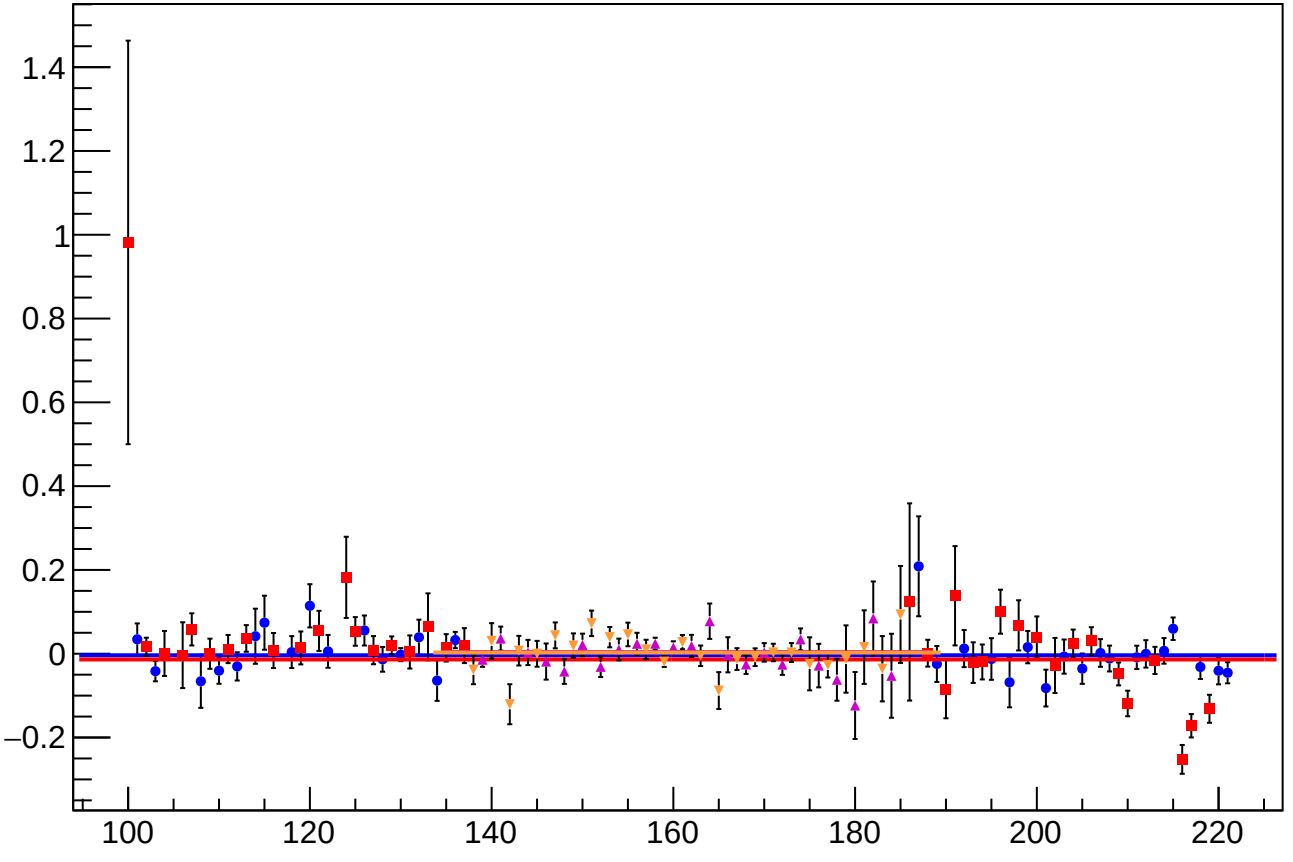
Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 9250730.3/58

All: 0.001+/-0.000 χ^2/NDF: 24735933.6/118

- sign 0.001+/-0.000 χ^2/NDF: 15399747.9/59

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

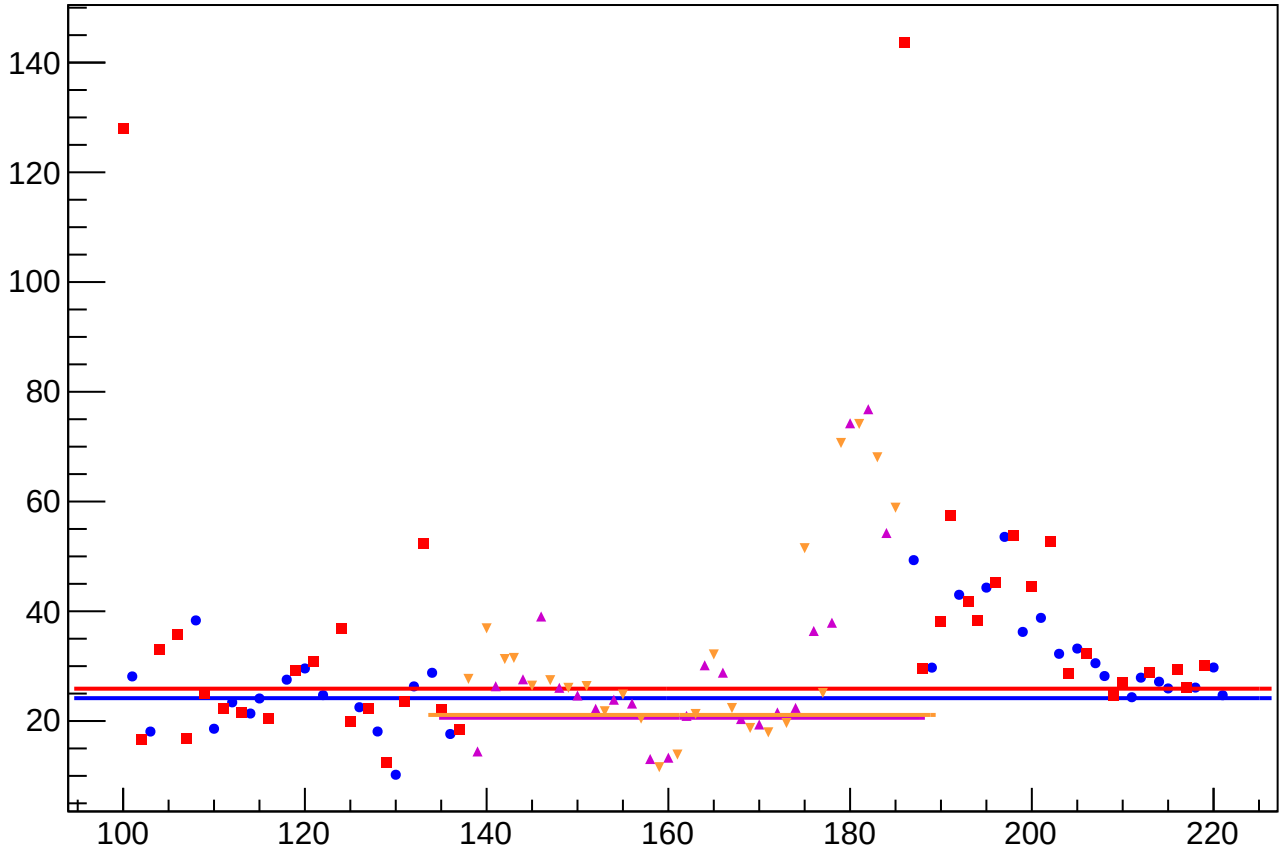
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.002+/-0.003 χ^2/NDF: 254.8/118

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.164+/-0.004 χ^2/NDF: 4448092.2/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

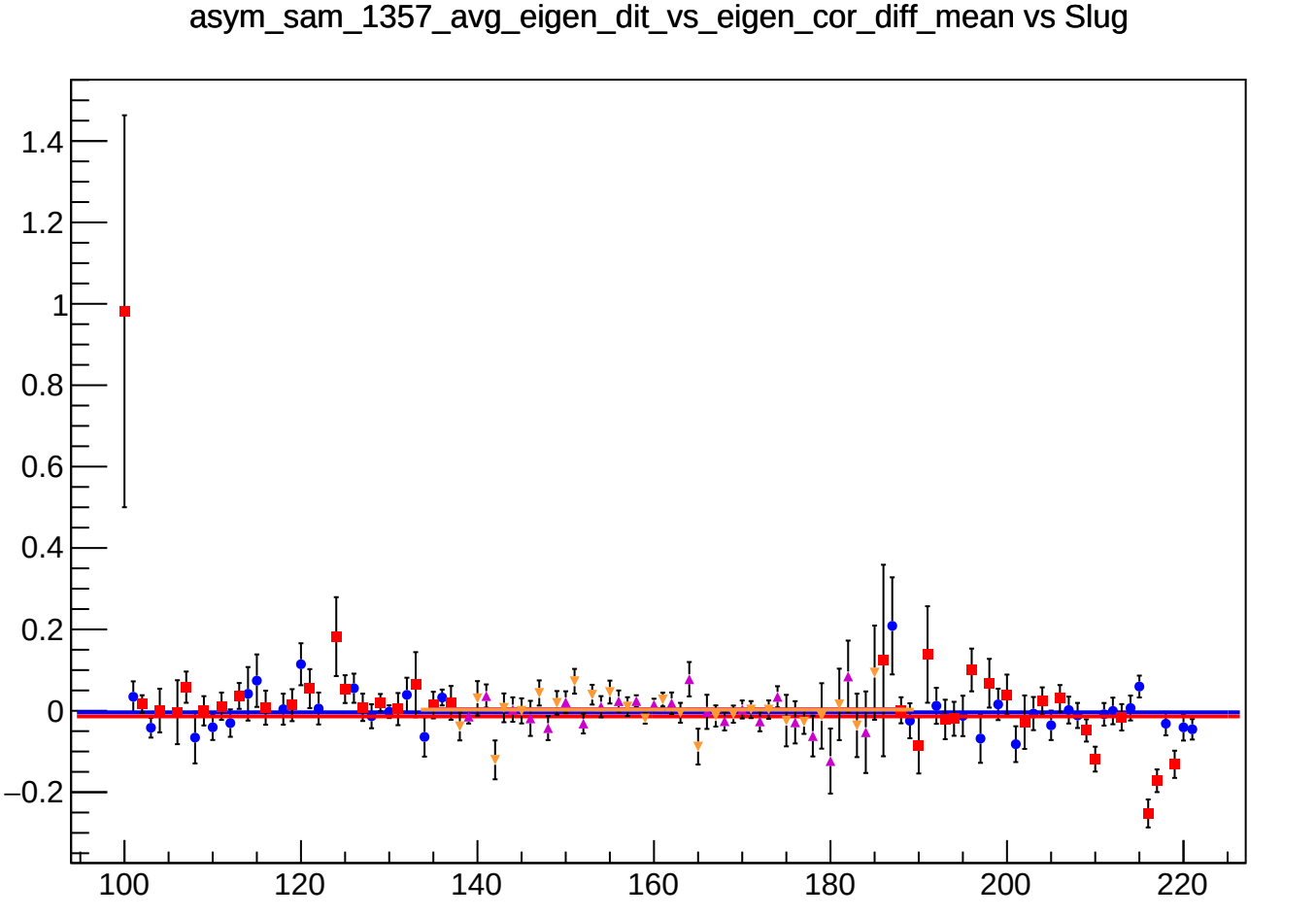
Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.579+/-0.003 χ^2/NDF: 10296895.8/58

All: 22.724+/-0.002 χ^2/NDF: 20350002.9/118

- sign 22.882+/-0.003 χ^2/NDF: 10047407.5/59



Right In: -0.004+/-0.006 χ^2/NDF: 42.4/33

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

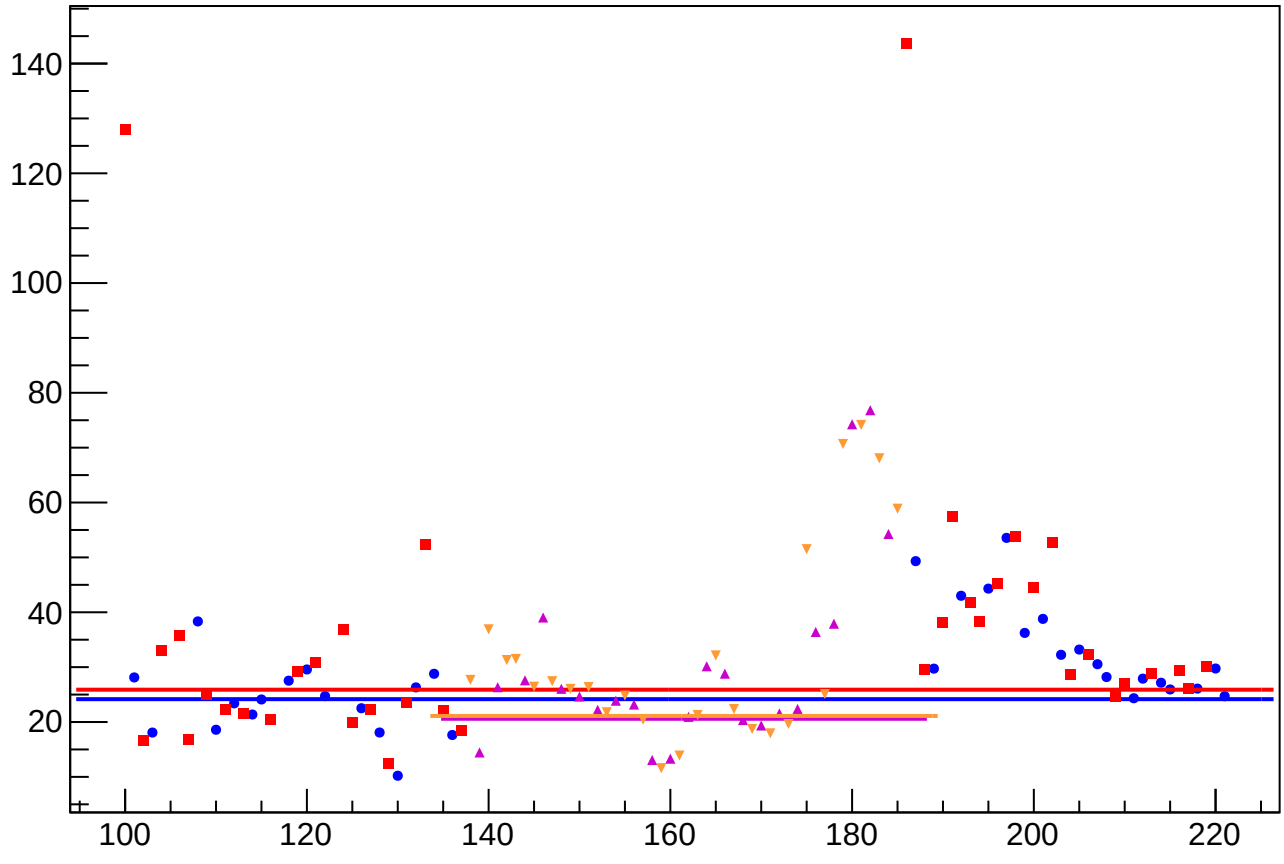
Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign -0.000+/-0.004 χ^2/NDF: 75.9/58

All: -0.002+/-0.003 χ^2/NDF: 254.8/118

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59



Right In: 24.164+/-0.004 χ^2/NDF: 4448092.2/33

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

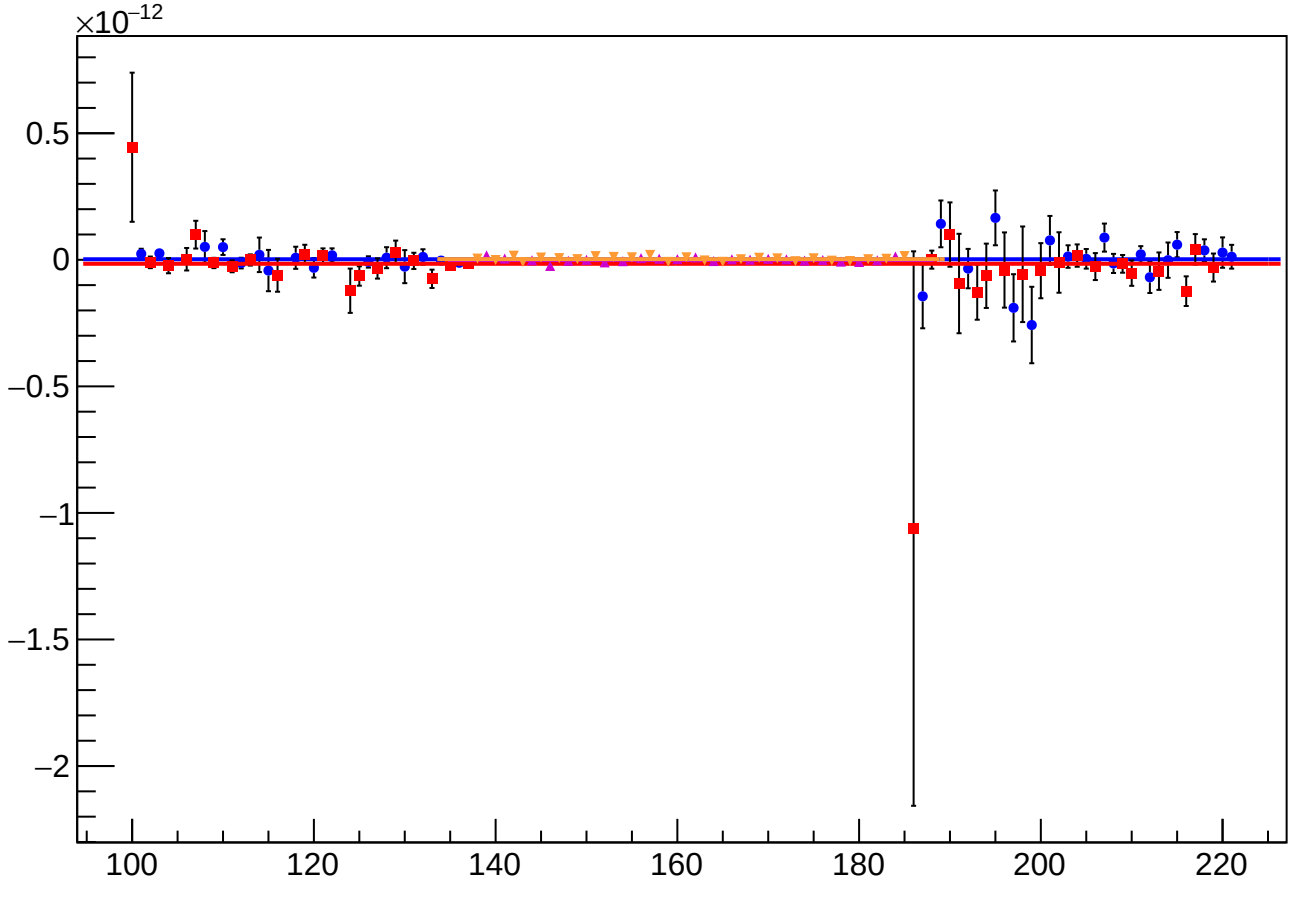
Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.579+/-0.003 χ^2/NDF: 10296895.8/58

All: 22.724+/-0.002 χ^2/NDF: 20350002.9/118

- sign 22.882+/-0.003 χ^2/NDF: 10047407.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/33

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

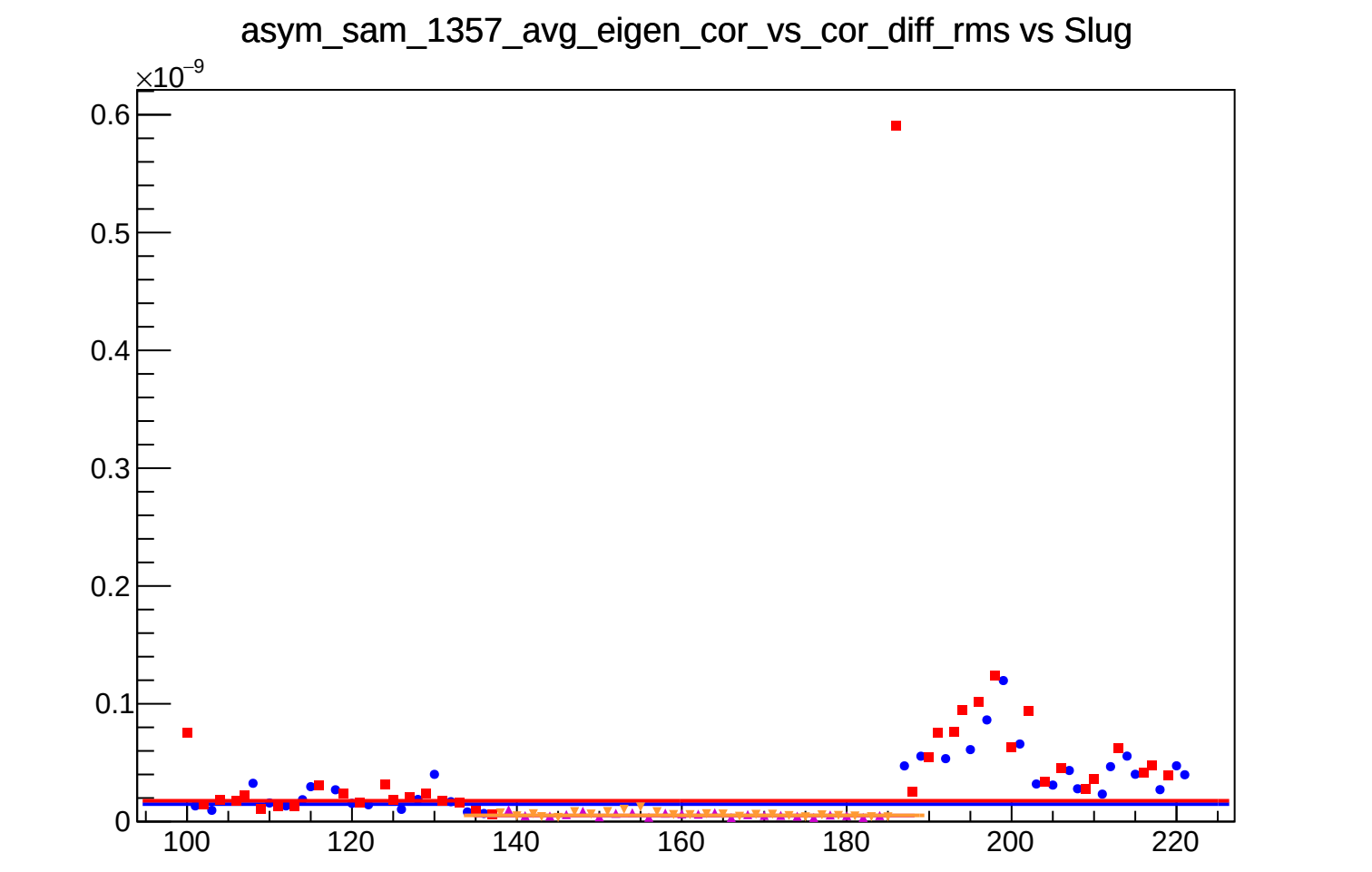
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/36

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/58

All: 0.000+/-0.000 χ^2/NDF: 107.8/118

- sign -0.000+/-0.000 χ^2/NDF: 54.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 10970745.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10063695.3/36

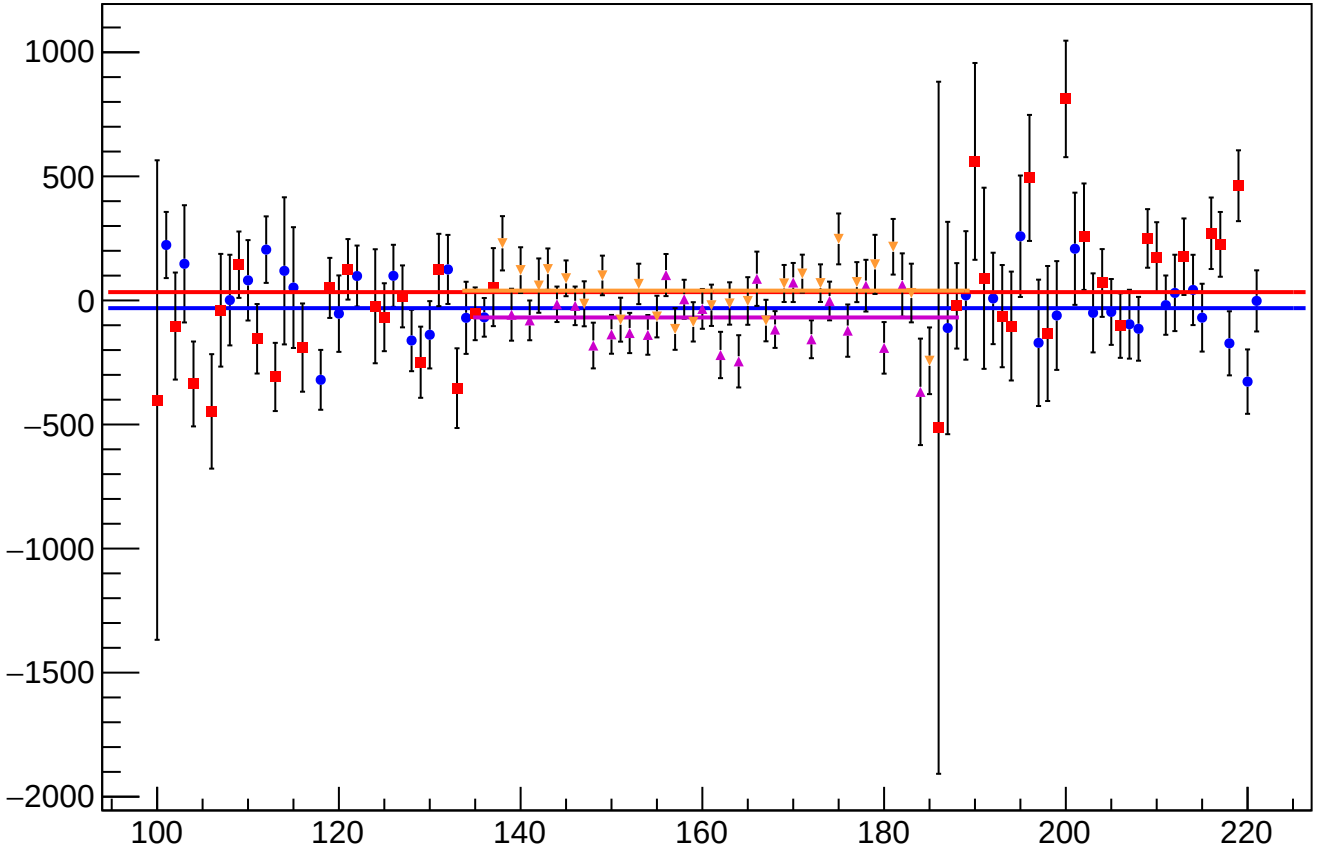
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19368689.6/58

All: 0.000+/-0.000 χ^2/NDF: 39442609.3/118

- sign 0.000+/-0.000 χ^2/NDF: 20058393.2/59

reg_asym_sam_2468_avg_mean vs Slug



Right In: -31.113+/-25.138 χ^2/NDF: 30.0/33

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.492+/-26.571 χ^2/NDF: 70.6/36

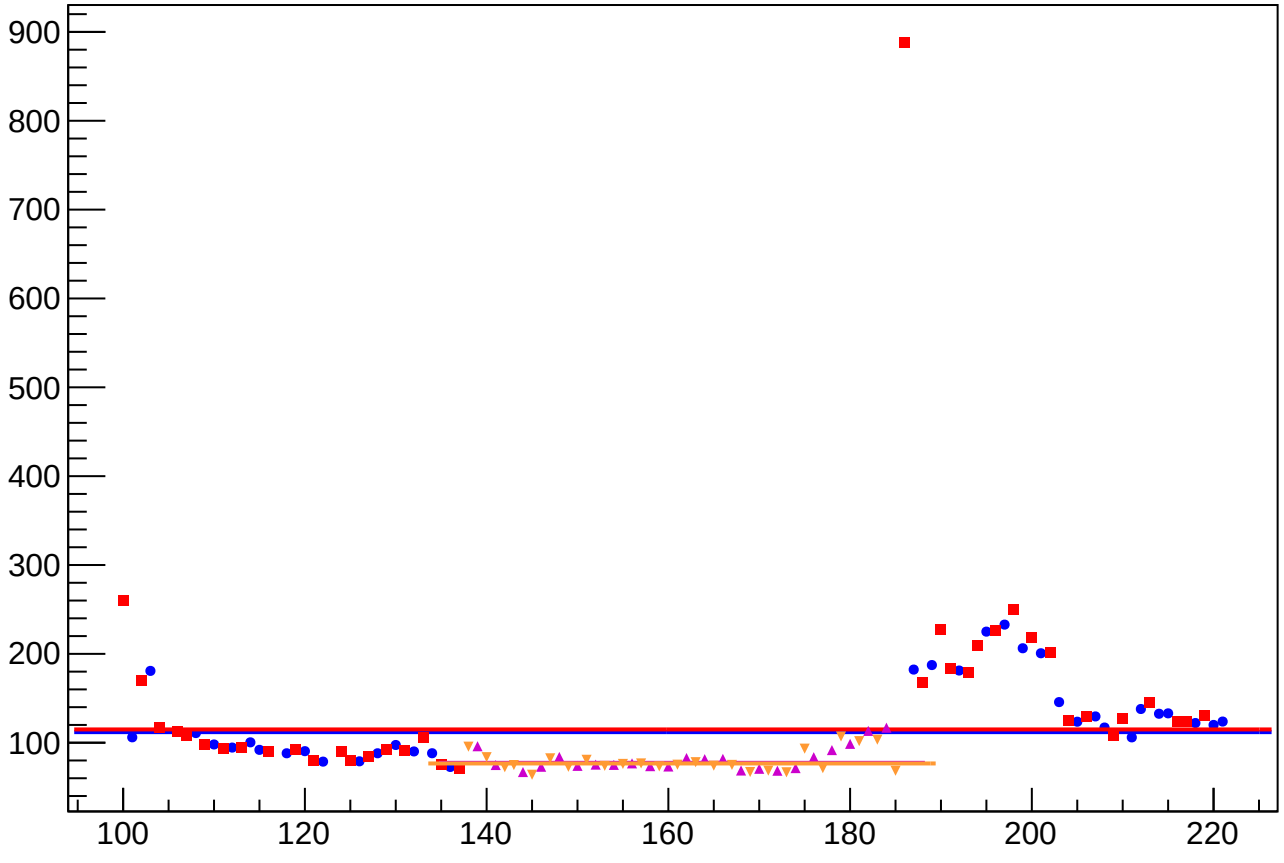
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.140+/-14.454 χ^2/NDF: 67.3/58

All: -8.693+/-10.435 χ^2/NDF: 183.1/118

- sign -35.727+/-15.081 χ^2/NDF: 109.7/59

reg_asym_sam_2468_avg_rms vs Slug



Right In: 111.905+/-0.018 χ^2/NDF: 3743622.2/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 114.944+/-0.019 χ^2/NDF: 4767744.9/36

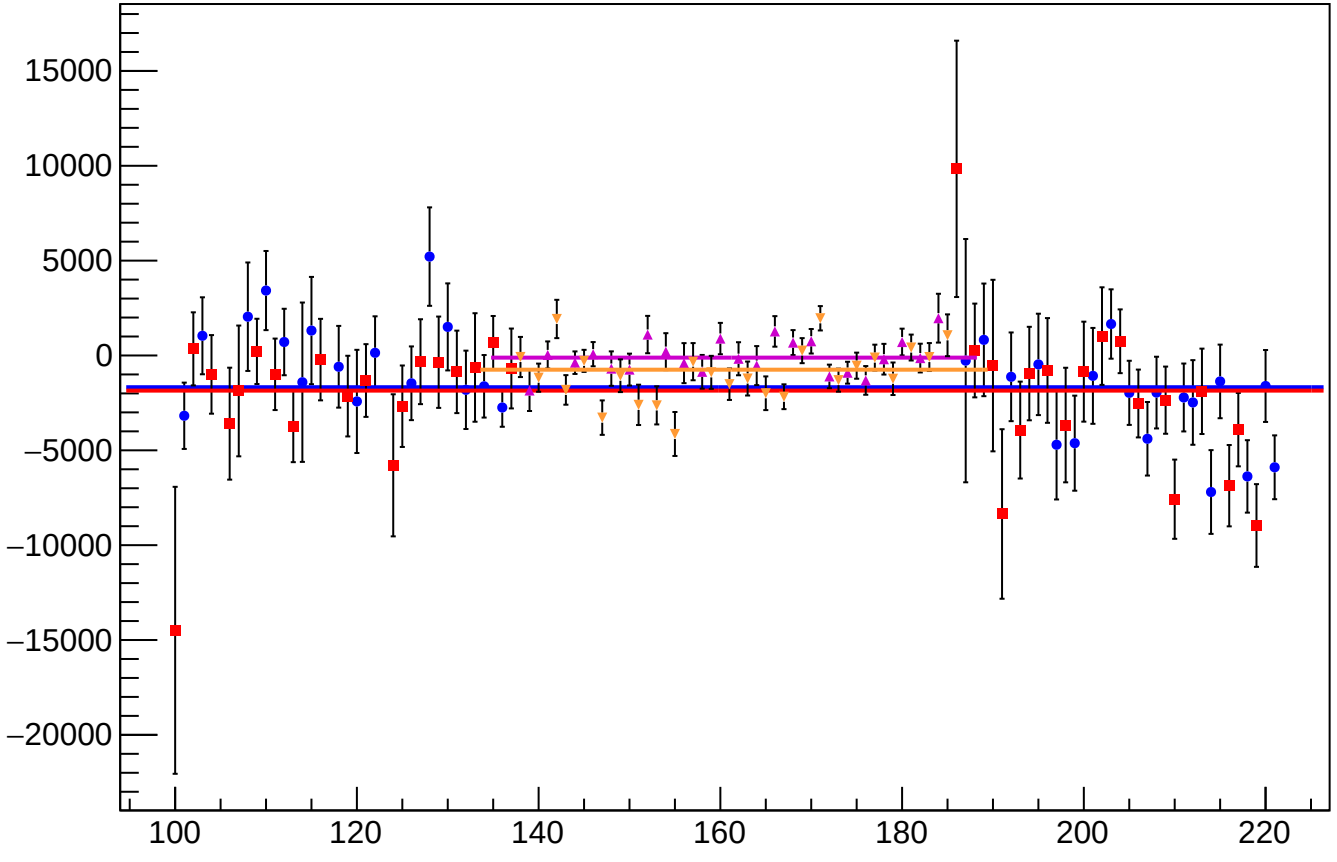
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 88.303+/-0.010 χ^2/NDF: 7032033.4/58

All: 88.856+/-0.007 χ^2/NDF: 15110340.6/118

- sign 89.459+/-0.011 χ^2/NDF: 8072183.3/59

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -1673.354+/-349.075 χ^2/NDF: 52.2/33

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

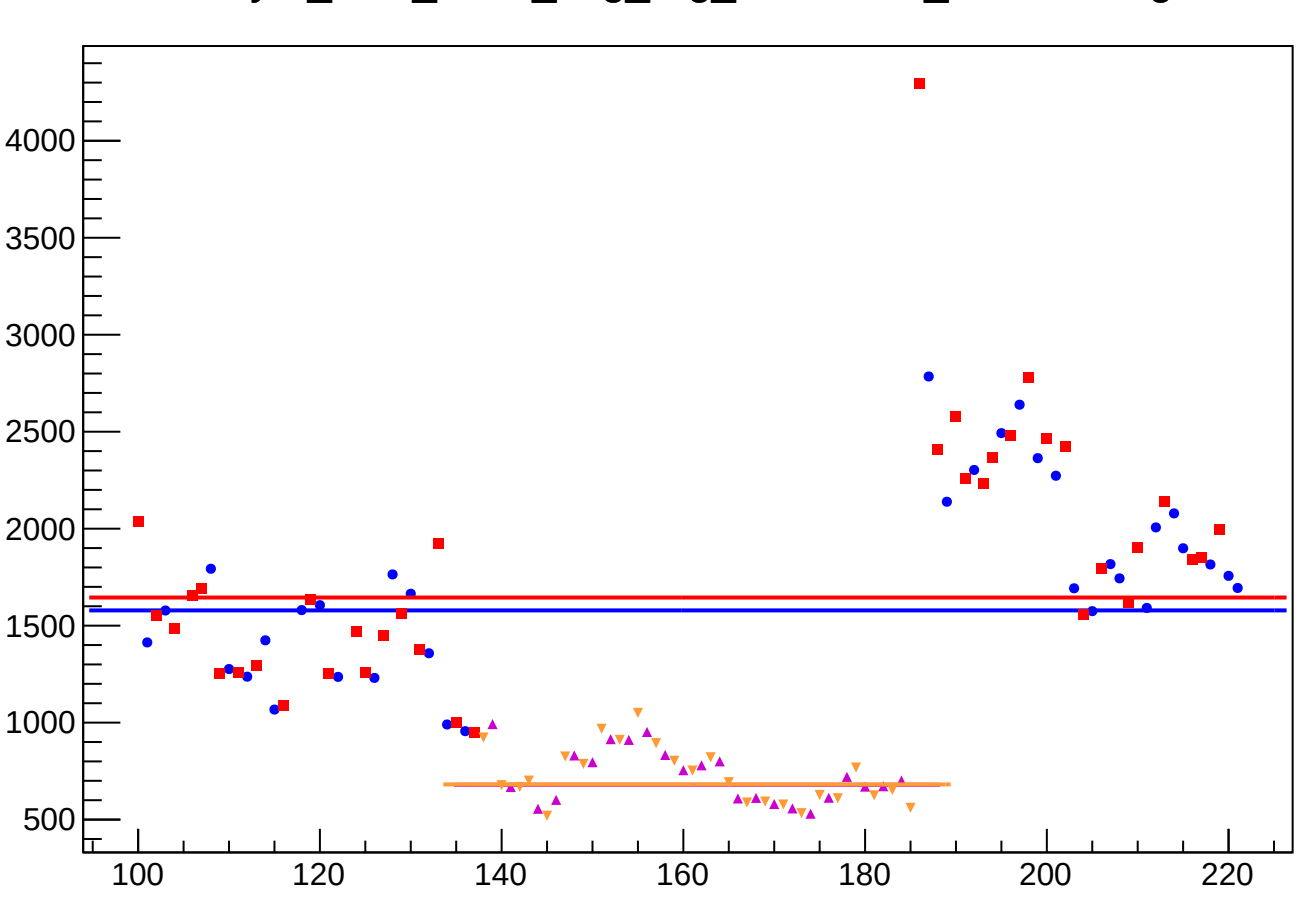
Right Out: -1852.153+/-369.982 χ^2/NDF: 50.0/36

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -906.838+/-144.003 χ^2/NDF: 128.0/58

All: -657.341+/-103.295 χ^2/NDF: 227.8/118

- sign -392.907+/-148.251 χ^2/NDF: 93.6/59



Right In: 1578.630+/-0.247 χ^2/NDF: 2912687.6/33

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1645.048+/-0.262 χ^2/NDF: 3253496.5/36

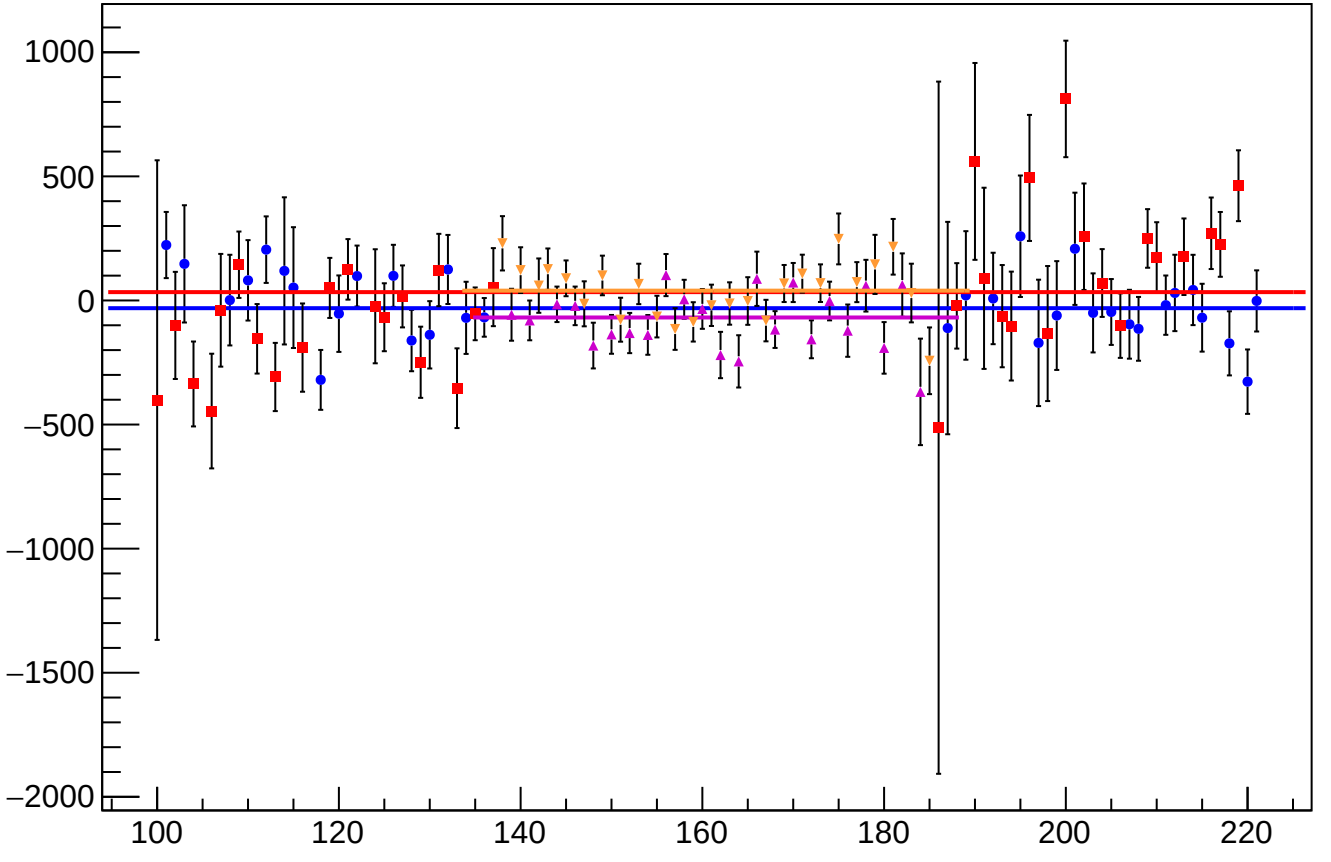
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 834.112+/-0.102 χ^2/NDF: 15210647.2/58

All: 834.278+/-0.073 χ^2/NDF: 31085659.9/11

- sign 834.454+/-0.105 χ^2/NDF: 15875007.2/59

cor_asym_sam_2468_avg_mean vs Slug



Right In: -31.121+/-25.138 χ^2/NDF: 30.0/33

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.580+/-26.572 χ^2/NDF: 70.6/36

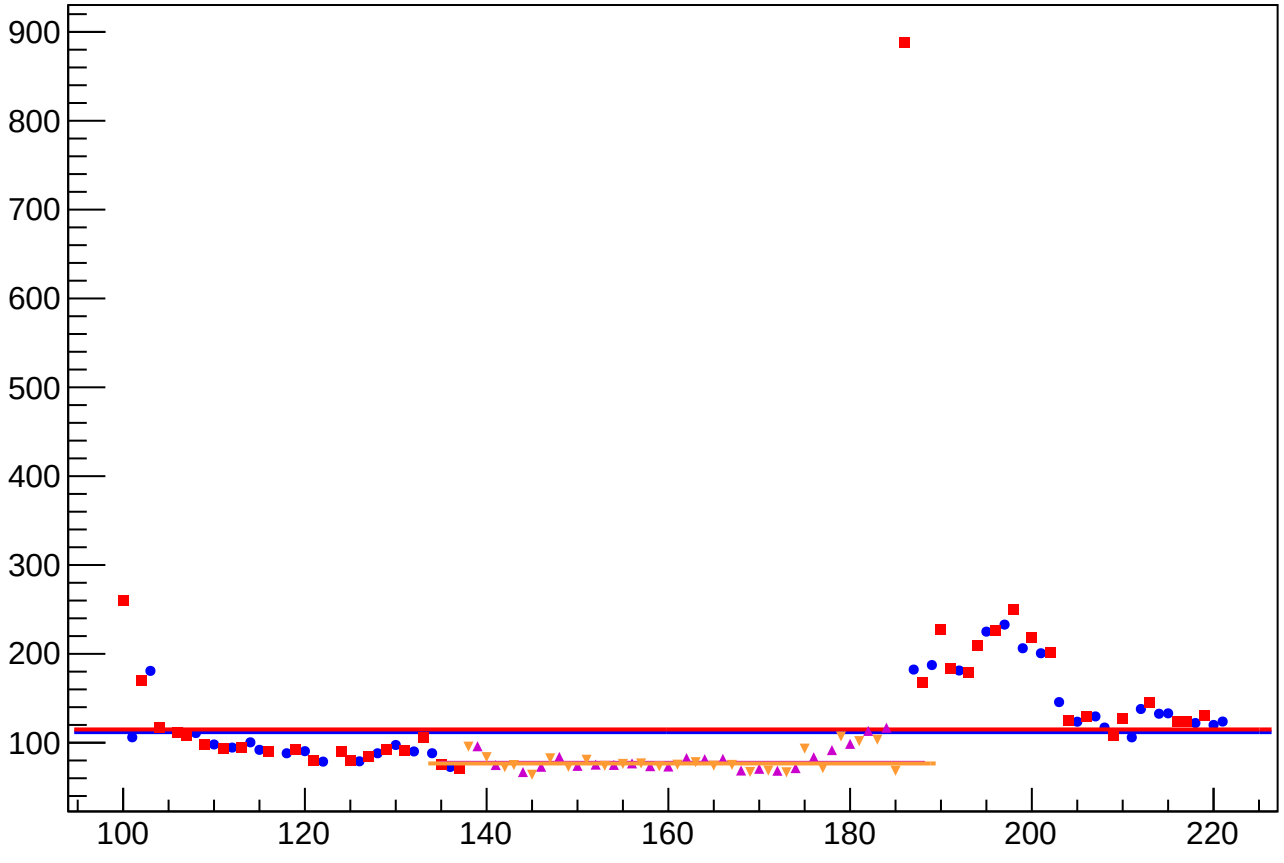
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.142+/-14.454 χ^2/NDF: 67.3/58

All: -8.678+/-10.435 χ^2/NDF: 183.0/118

- sign -35.700+/-15.081 χ^2/NDF: 109.6/59

cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.905+/-0.018 χ^2/NDF: 3743625.6/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

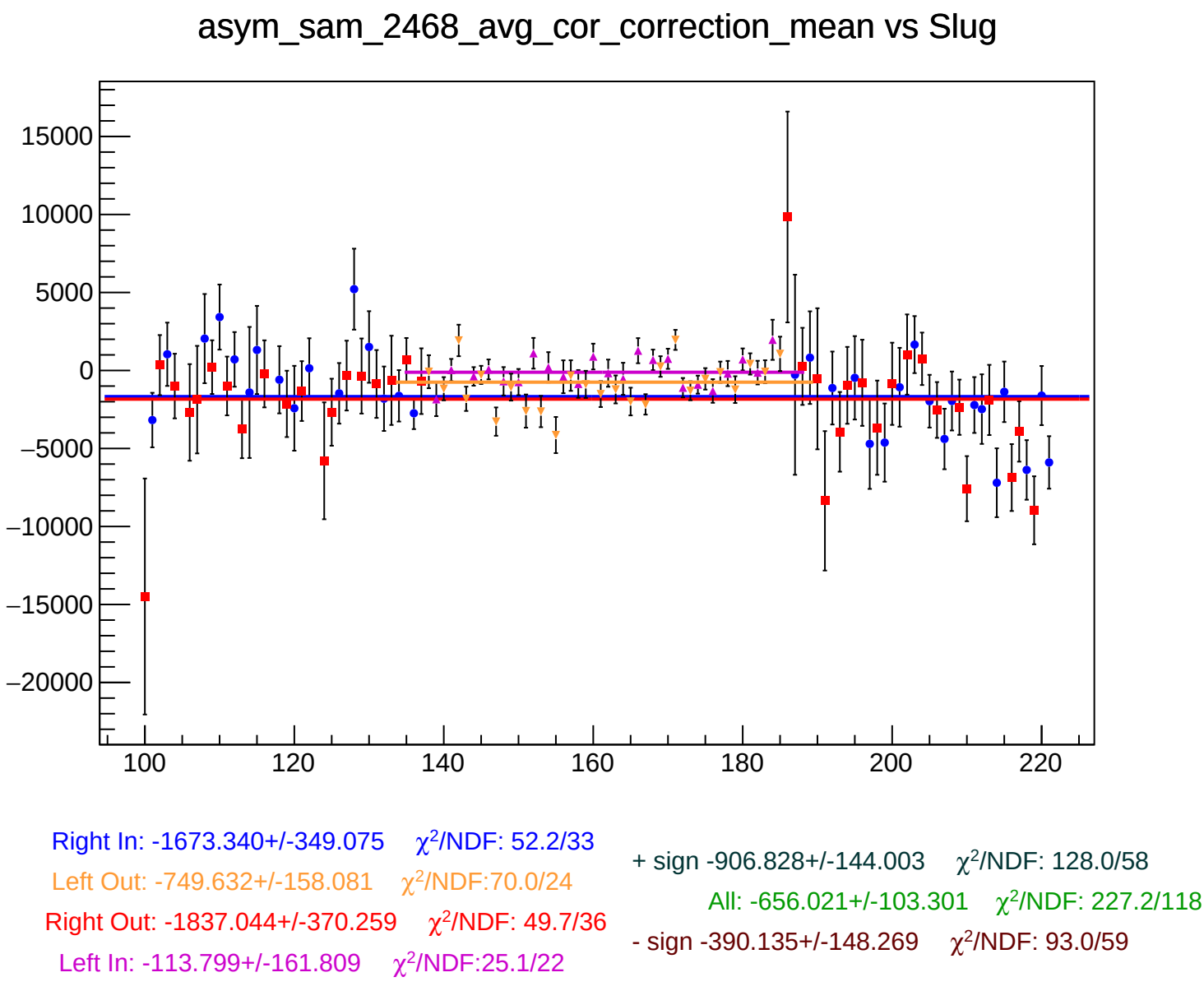
Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

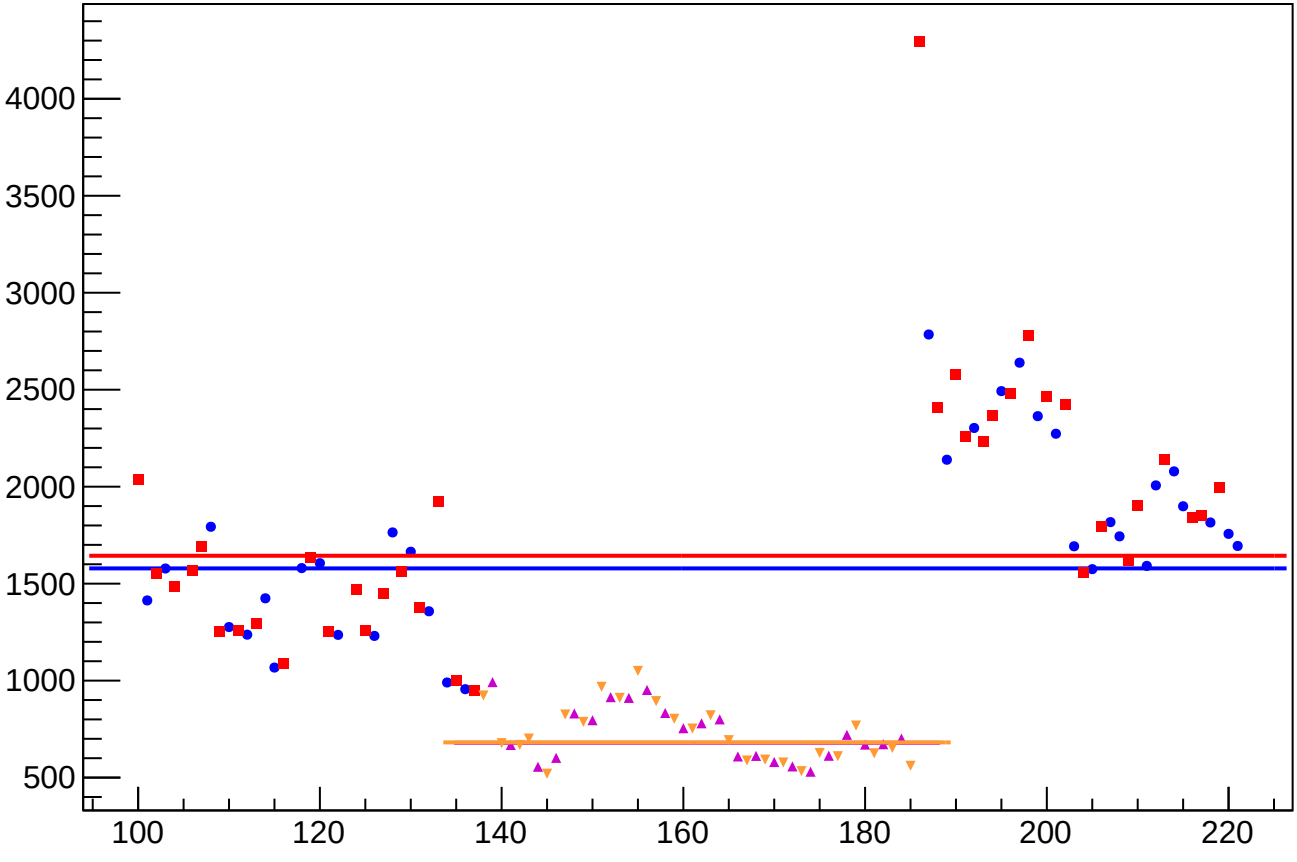
+ sign 88.303+/-0.010 χ^2/NDF: 7032037.0/58

All: 88.853+/-0.007 χ^2/NDF: 15108232.6/118

- sign 89.453+/-0.011 χ^2/NDF: 8070135.3/59


asym_sam_2468_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -1673.340+/-349.075 χ²/NDF: 52.2/33
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -1837.044+/-370.259 χ²/NDF: 49.7/36
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -906.828+/-144.003 χ²/NDF: 128.0/58
All: -656.021+/-103.301 χ²/NDF: 227.2/118
- sign -390.135+/-148.269 χ²/NDF: 93.0/59

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1578.633+/-0.247 χ^2/NDF: 2912693.5/33

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

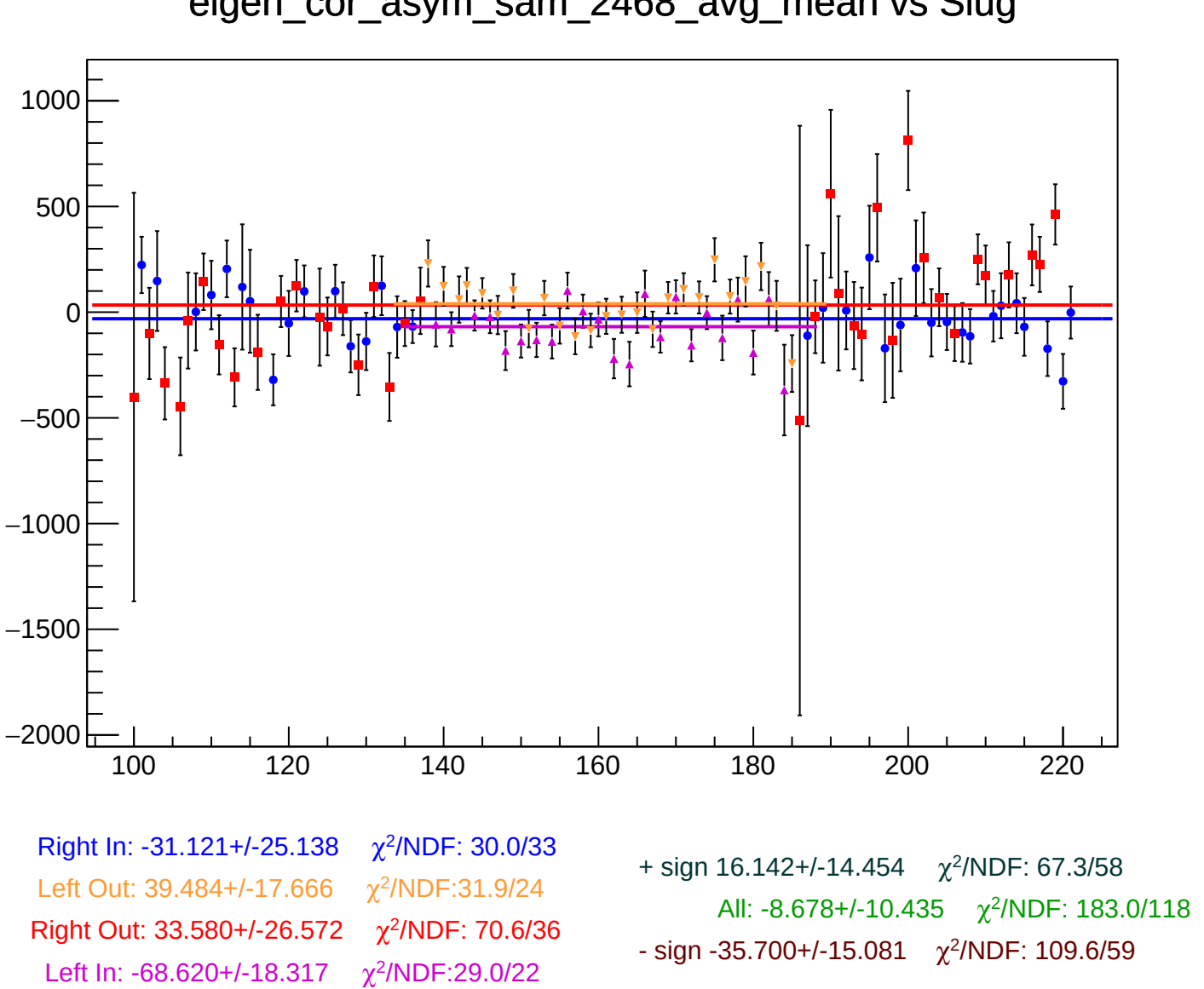
Right Out: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

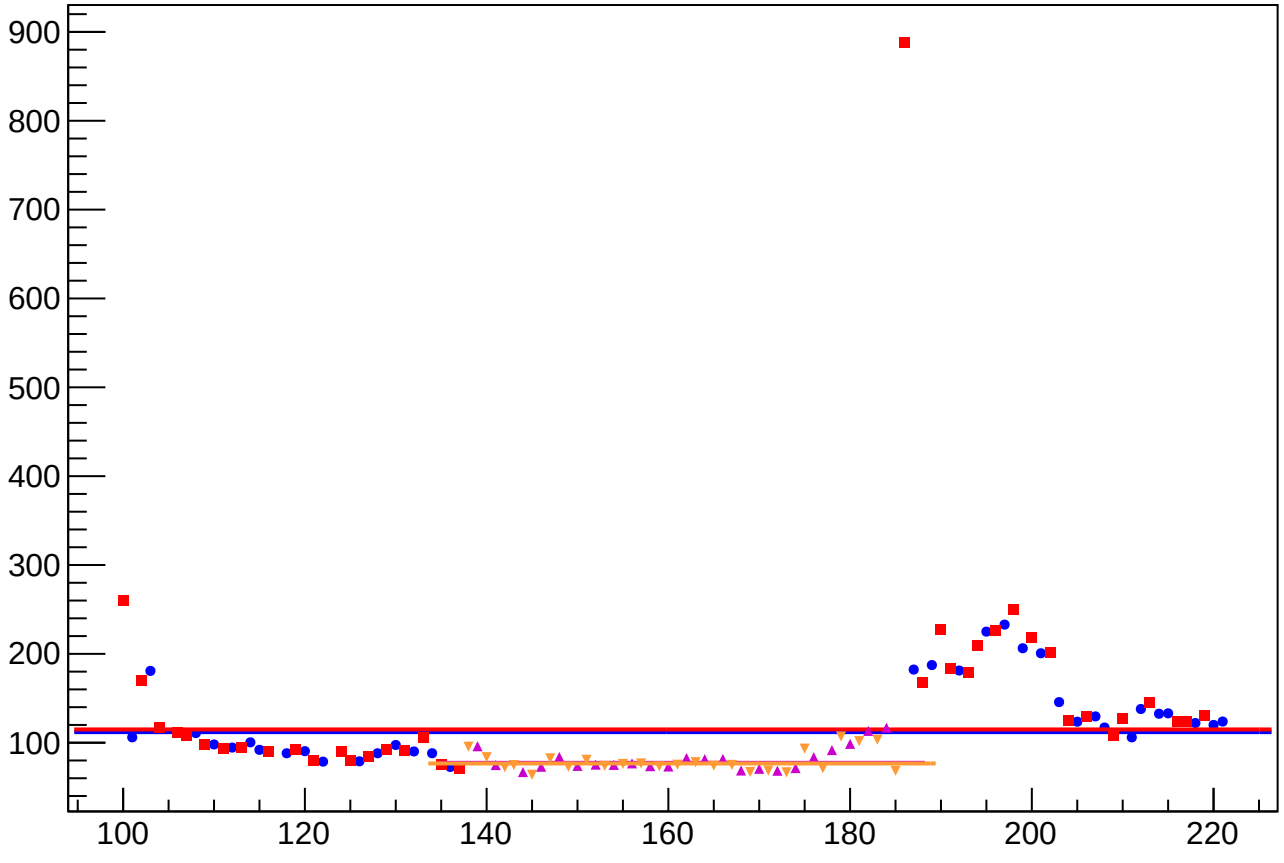
+ sign 834.112+/-0.102 χ^2/NDF: 15210697.5/58

All: 834.090+/-0.073 χ^2/NDF: 31043879.1/11

- sign 834.067+/-0.105 χ^2/NDF: 15833181.4/59


eigen_cor_asym_sam_2468_avg_mean vs Slug
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
220
Right In: -31.121+/-25.138 χ²/NDF: 30.0/33
Left Out: 39.484+/-17.666 χ²/NDF:31.9/24
Right Out: 33.580+/-26.572 χ²/NDF: 70.6/36
Left In: -68.620+/-18.317 χ²/NDF:29.0/22
+ sign 16.142+/-14.454 χ²/NDF: 67.3/58
All: -8.678+/-10.435 χ²/NDF: 183.0/118
- sign -35.700+/-15.081 χ²/NDF: 109.6/59

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.905+/-0.018 χ^2/NDF: 3743625.6/33

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

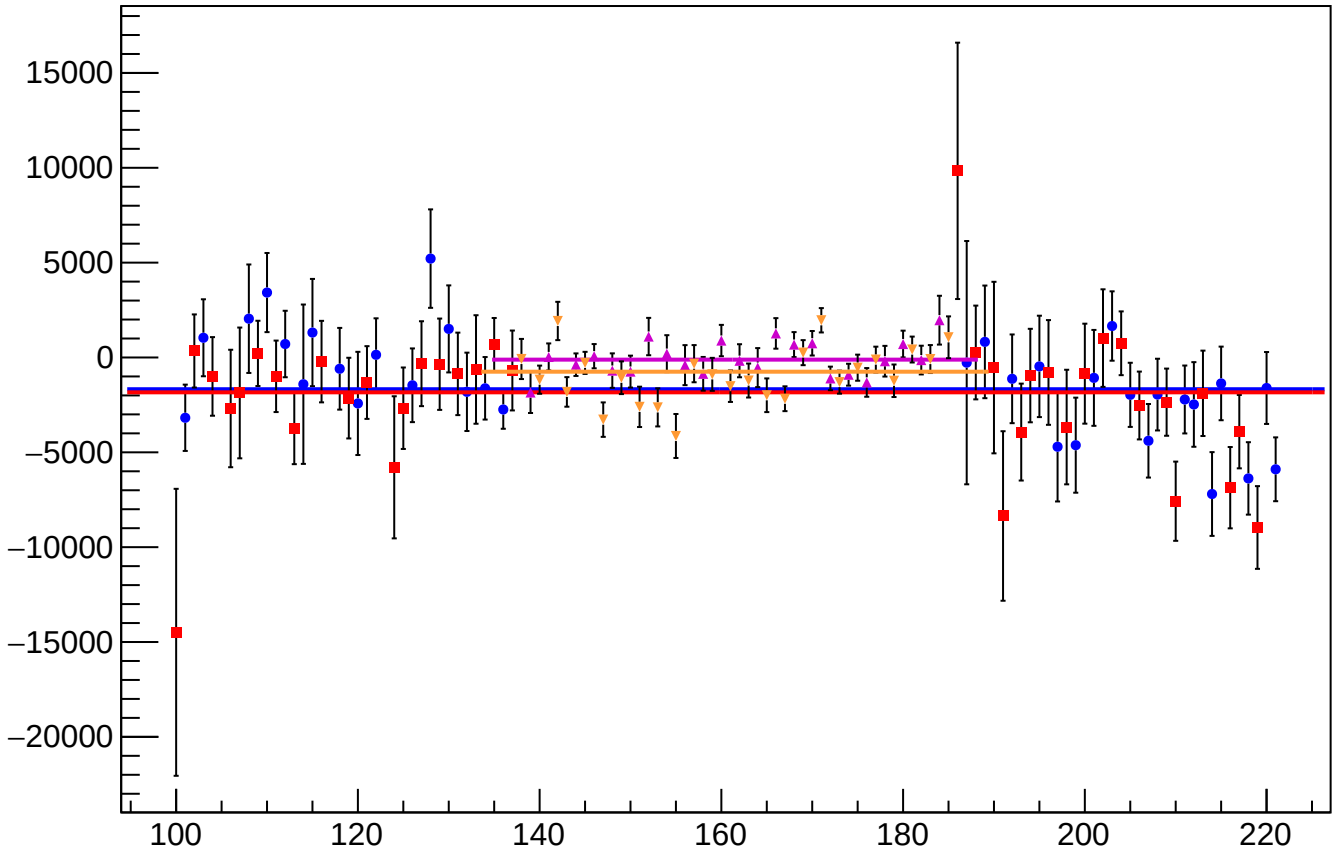
Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 88.303+/-0.010 χ^2/NDF: 7032037.0/58

All: 88.853+/-0.007 χ^2/NDF: 15108232.6/118

- sign 89.453+/-0.011 χ^2/NDF: 8070135.3/59



Right In: -1673.340+/-349.075 χ^2/NDF: 52.2/33

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

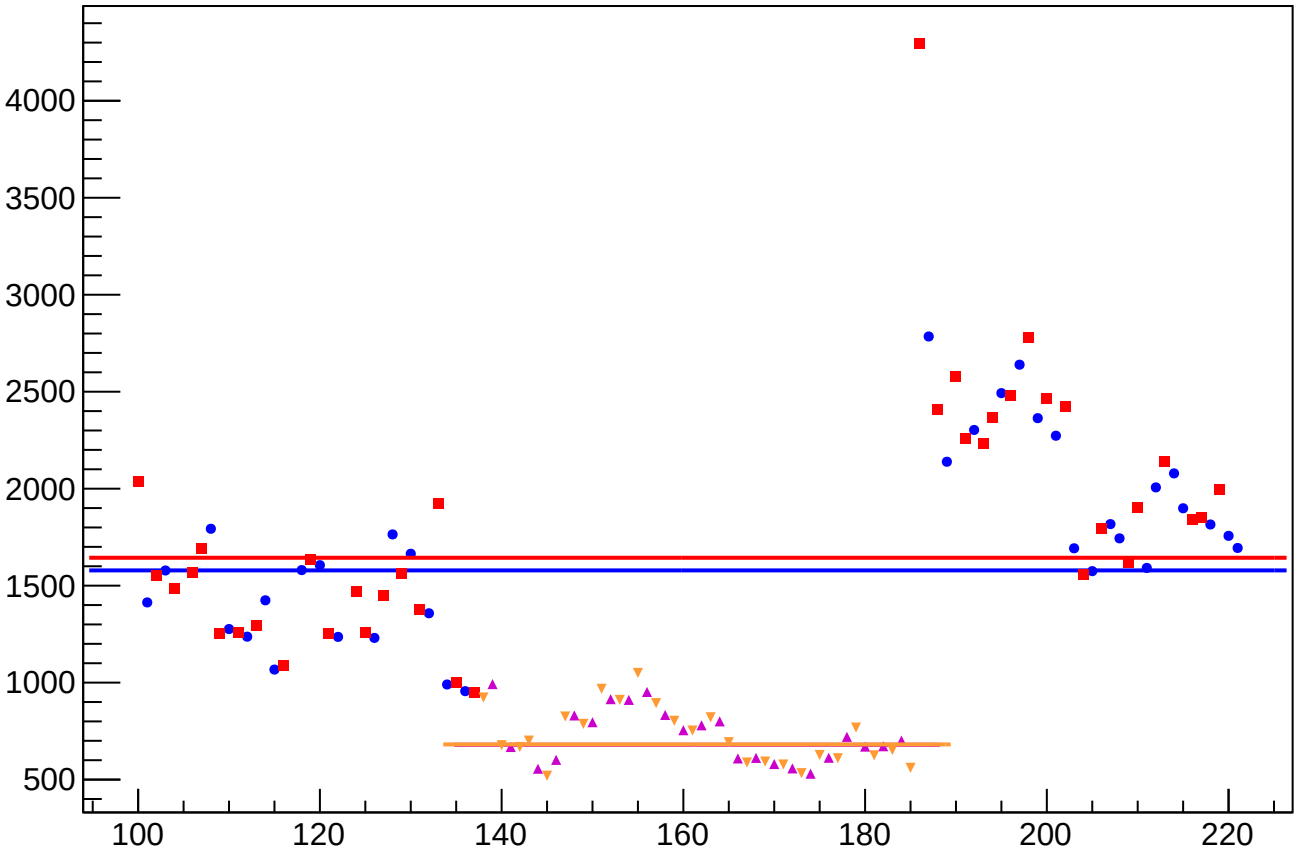
Right Out: -1837.044+/-370.259 χ^2/NDF: 49.7/36

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

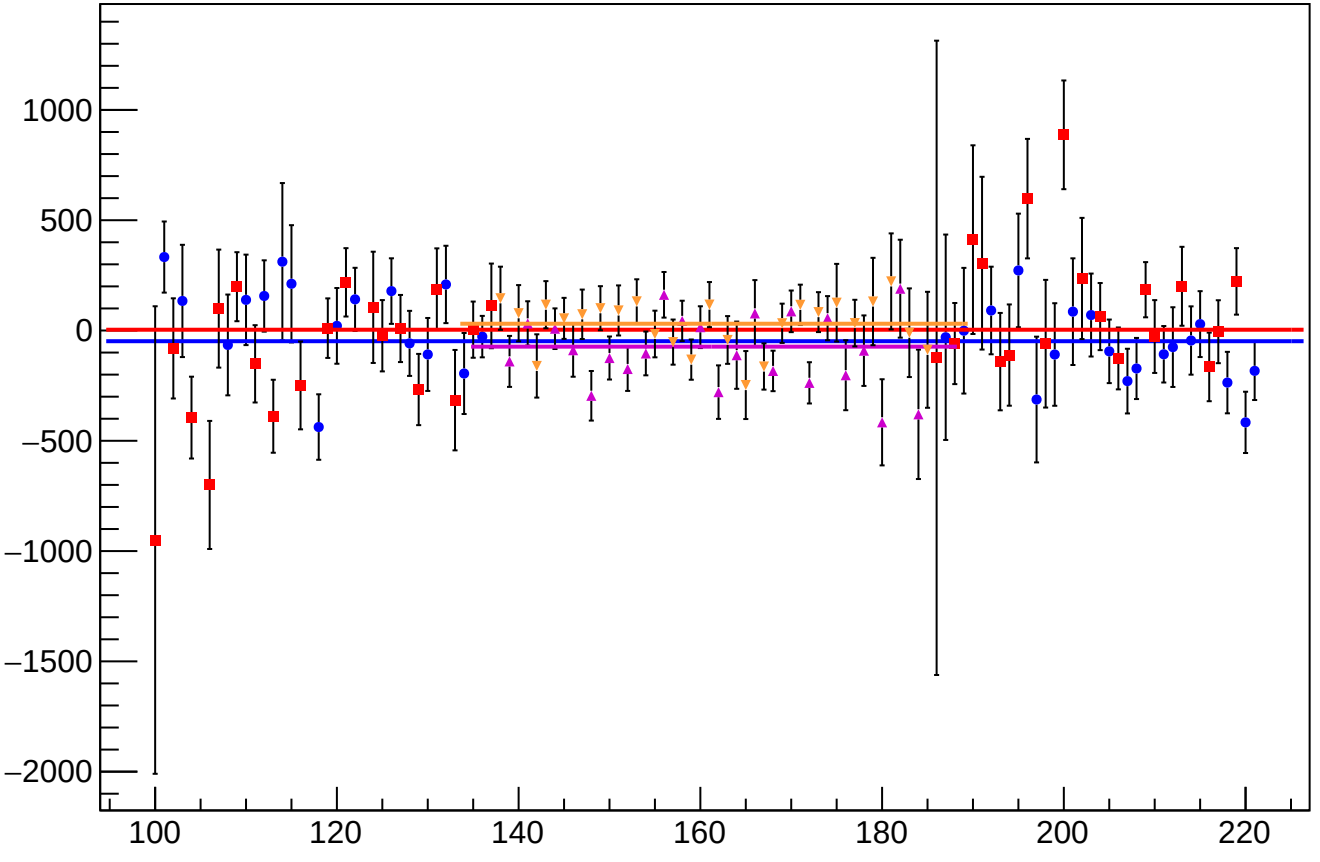
+ sign -906.828+/-144.003 χ^2/NDF: 128.0/58

All: -656.021+/-103.301 χ^2/NDF: 227.2/118

- sign -390.135+/-148.269 χ^2/NDF: 93.0/59


asym_sam_2468_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1578.633+/-0.247 χ²/NDF: 2912693.5/33
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1643.839+/-0.262 χ²/NDF: 3254559.4/36
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
+ sign 834.112+/-0.102 χ²/NDF: 15210697.5/58
All: 834.090+/-0.073 χ²/NDF: 31043879.1/11
- sign 834.067+/-0.105 χ²/NDF: 15833181.4/59

dit_asym_sam_2468_avg_mean vs Slug



Right In: -48.503+/-28.776 χ^2/NDF: 41.1/33

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 3.527+/-30.471 χ^2/NDF: 57.7/36

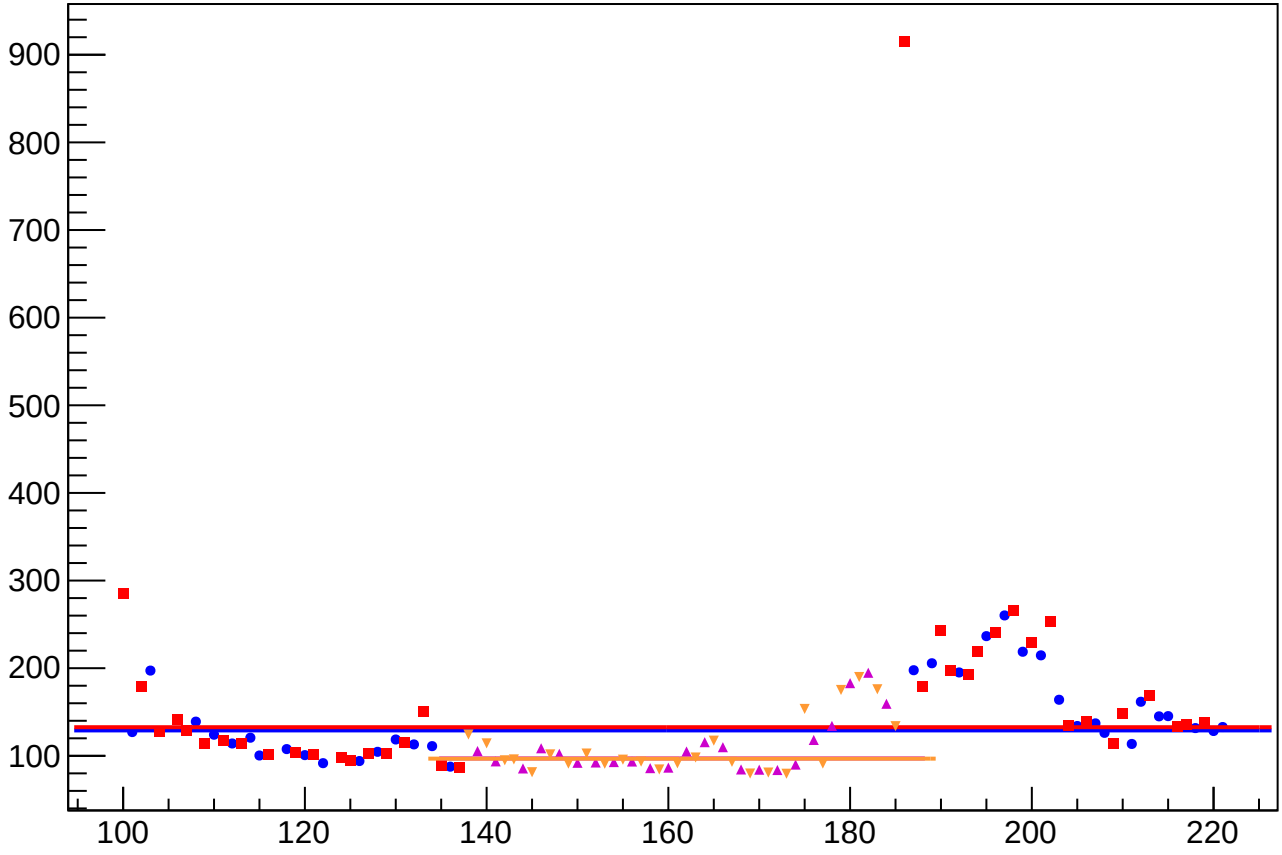
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 0.053+/-17.897 χ^2/NDF: 65.7/58

All: -21.367+/-12.901 χ^2/NDF: 164.9/118

- sign -44.536+/-18.614 χ^2/NDF: 96.2/59

dit_asym_sam_2468_avg_rms vs Slug



Right In: 129.004+/-0.020 χ^2/NDF: 2971717.6/33

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

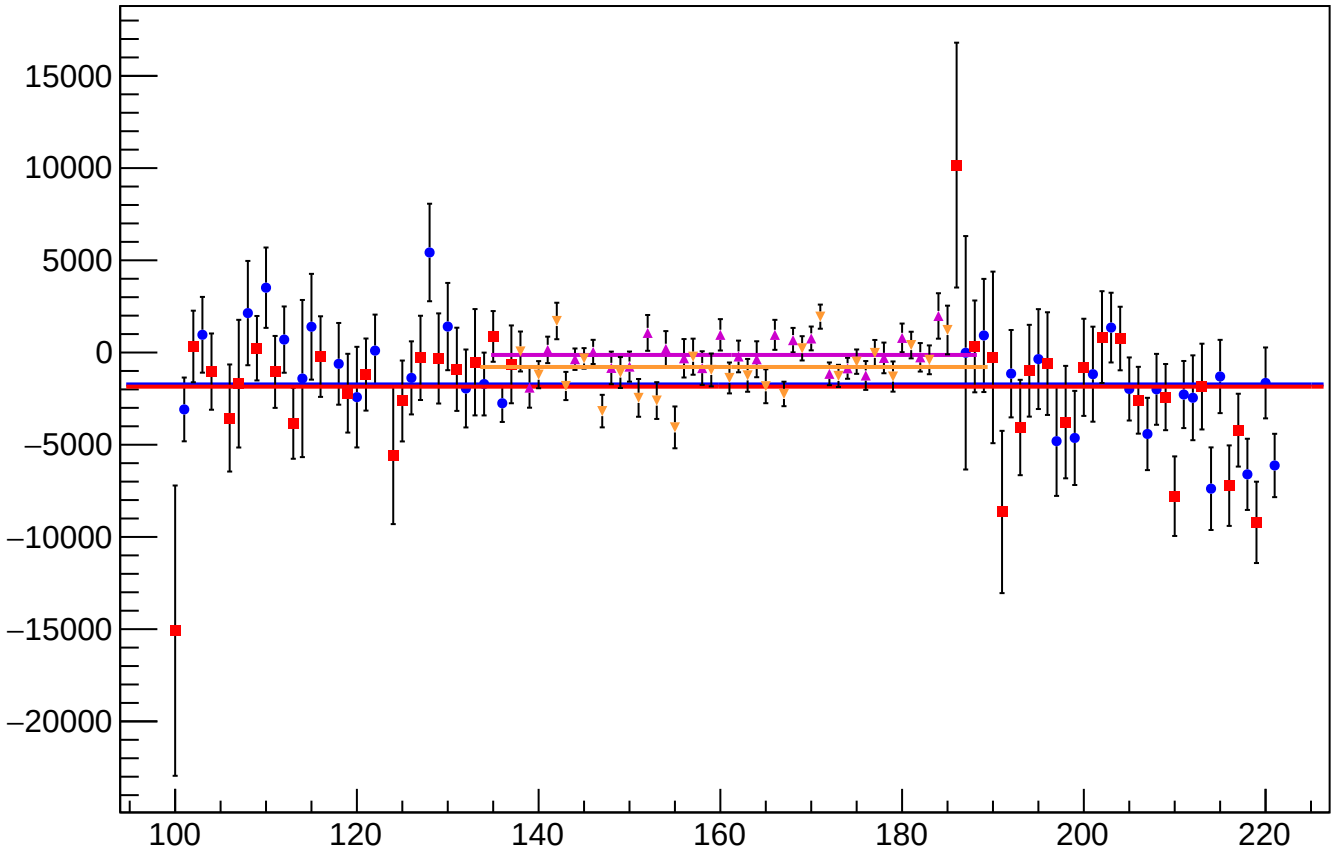
Right Out: 132.664+/-0.022 χ^2/NDF: 4022392.8/36

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 109.254+/-0.013 χ^2/NDF: 6228622.6/58

All: 109.765+/-0.009 χ^2/NDF: 13291407.0/11

- sign 110.319+/-0.013 χ^2/NDF: 7059382.5/59



Right In: -1730.522+/-354.701 χ^2/NDF: 52.0/33

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1851.340+/-374.313 χ^2/NDF: 52.6/36

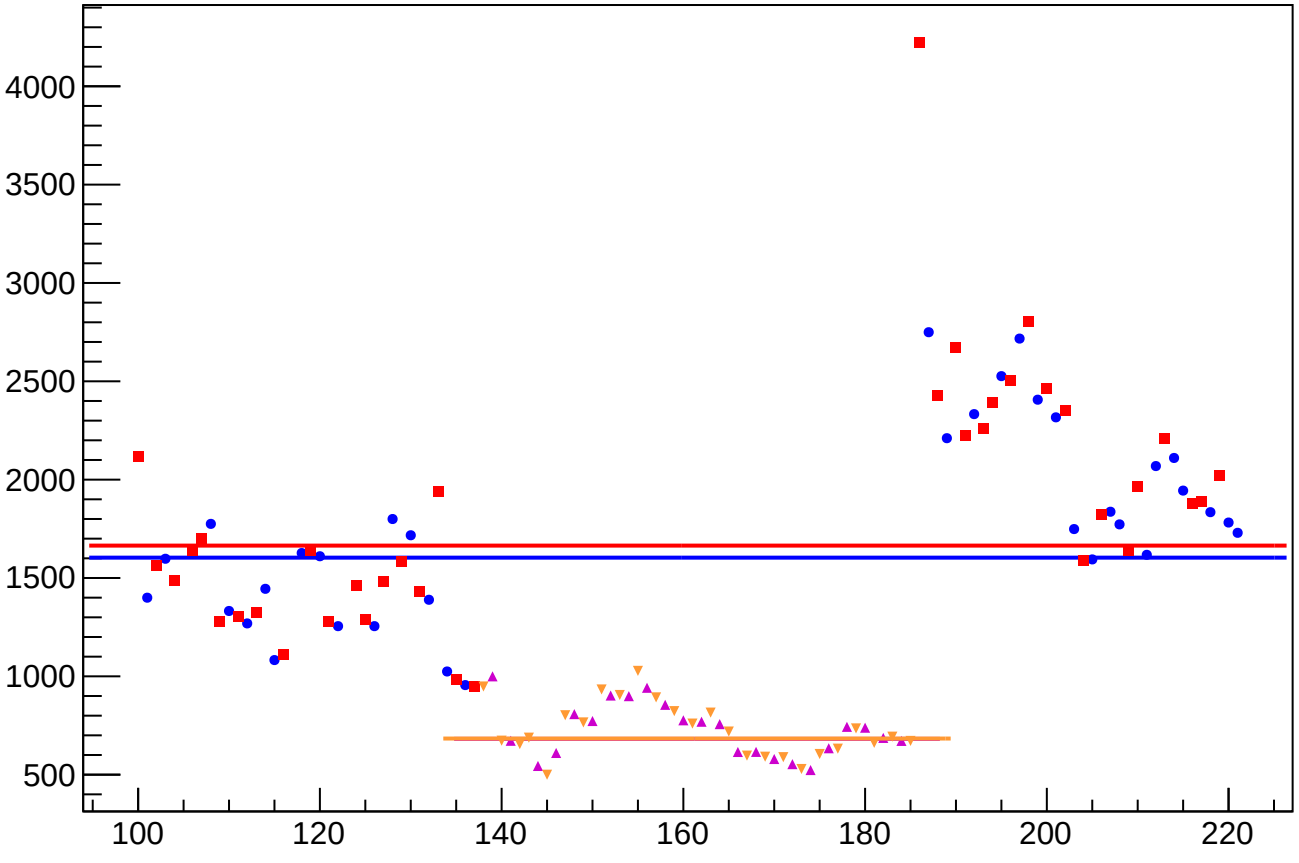
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -941.056+/-144.579 χ^2/NDF: 124.3/58

All: -680.535+/-103.757 χ^2/NDF: 225.7/118

- sign -403.876+/-148.990 χ^2/NDF: 94.7/59

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1603.436+/-0.251 χ^2/NDF: 2966976.4/33

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1664.670+/-0.265 χ^2/NDF: 3256020.7/36

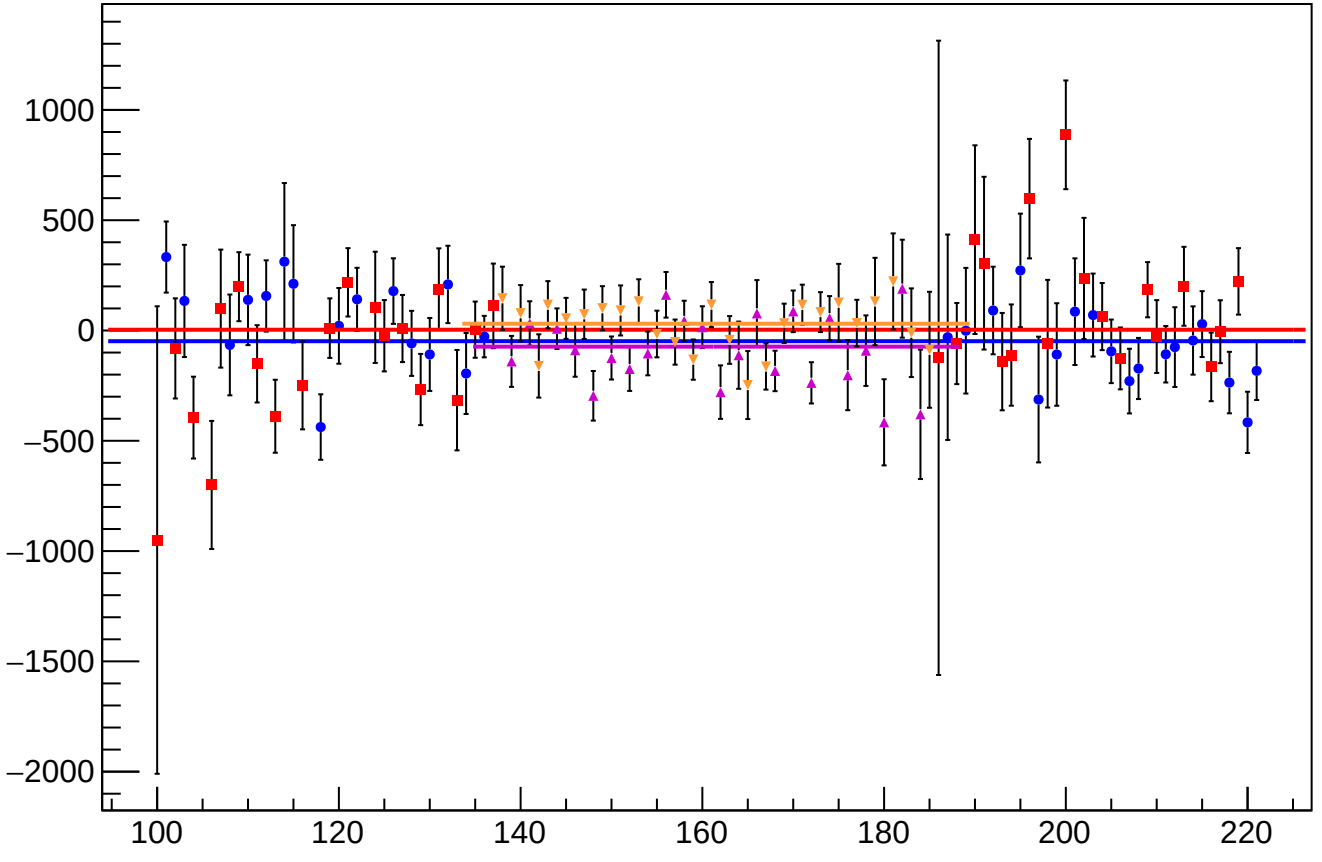
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 836.507+/-0.102 χ^2/NDF: 15478021.9/58

All: 837.063+/-0.073 χ^2/NDF: 31521310.4/11

- sign 837.653+/-0.105 χ^2/NDF: 16043227.5/59

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -48.500+/-28.776 χ^2/NDF: 41.1/33

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 3.530+/-30.471 χ^2/NDF: 57.7/36

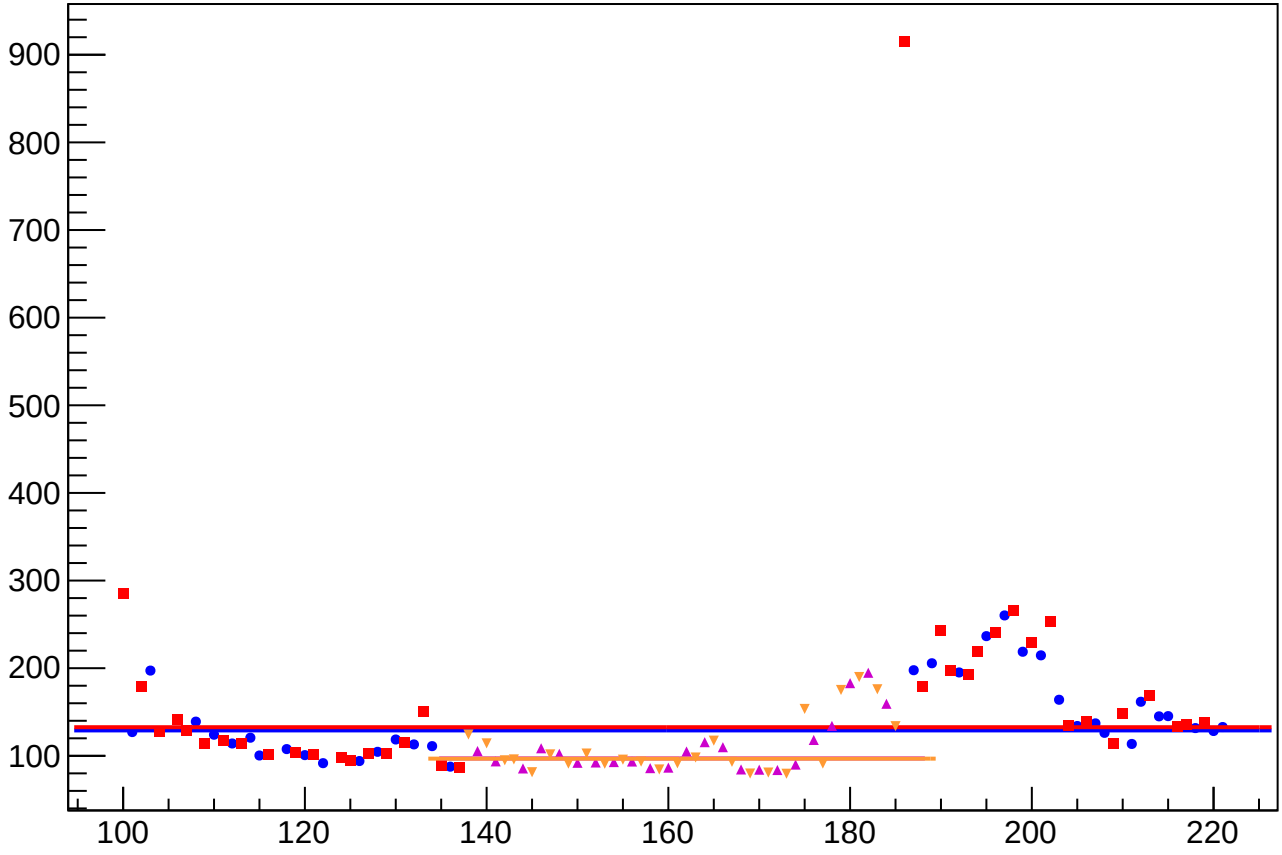
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 0.054+/-17.897 χ^2/NDF: 65.7/58

All: -21.365+/-12.901 χ^2/NDF: 164.9/118

- sign -44.534+/-18.614 χ^2/NDF: 96.2/59

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 129.004+/-0.020 χ^2/NDF: 2971736.2/33

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

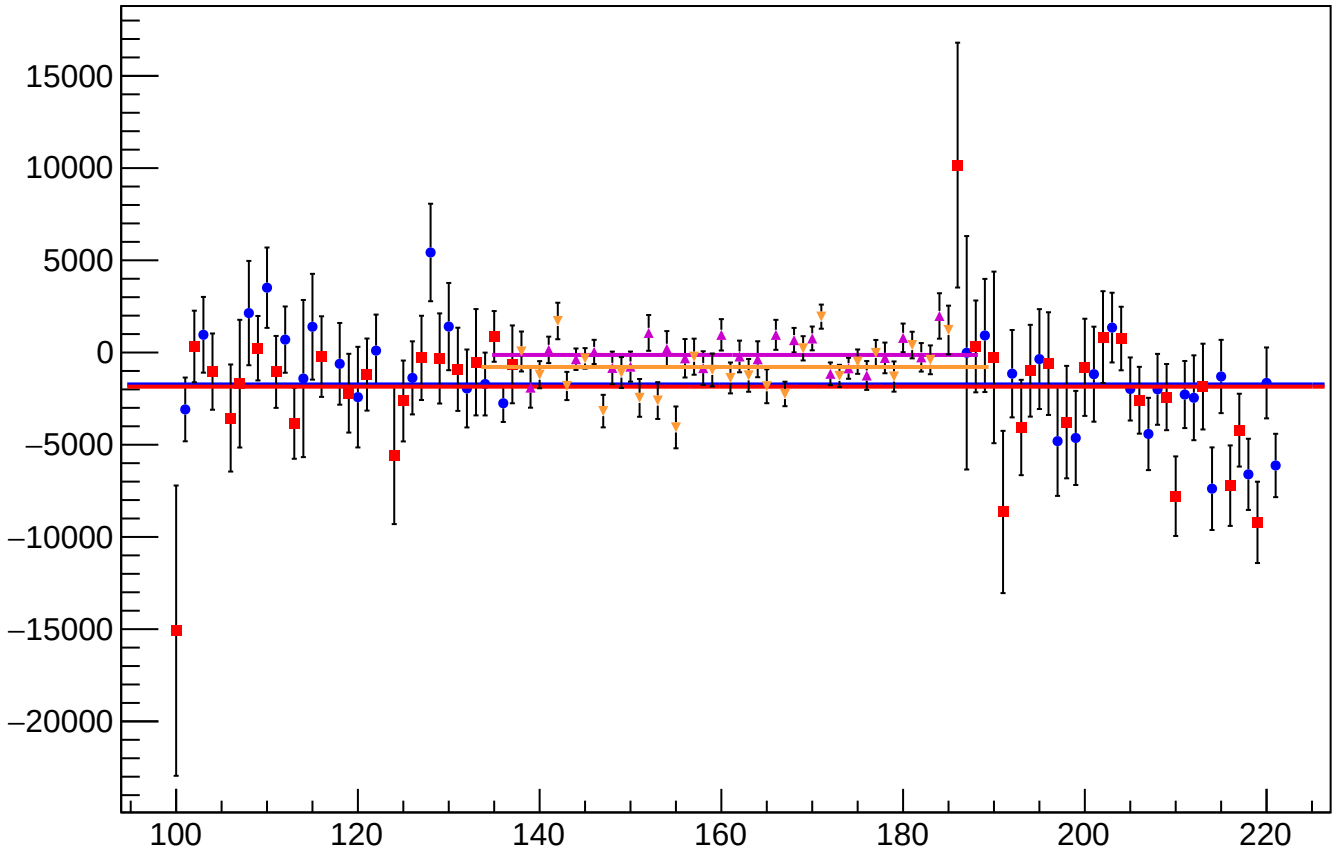
Right Out: 132.664+/-0.022 χ^2/NDF: 4022423.4/36

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 109.254+/-0.013 χ^2/NDF: 6228559.7/58

All: 109.766+/-0.009 χ^2/NDF: 13291282.9/11

- sign 110.319+/-0.013 χ^2/NDF: 7059321.1/59



Right In: -1730.516+/-354.700 χ^2/NDF: 52.0/33

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

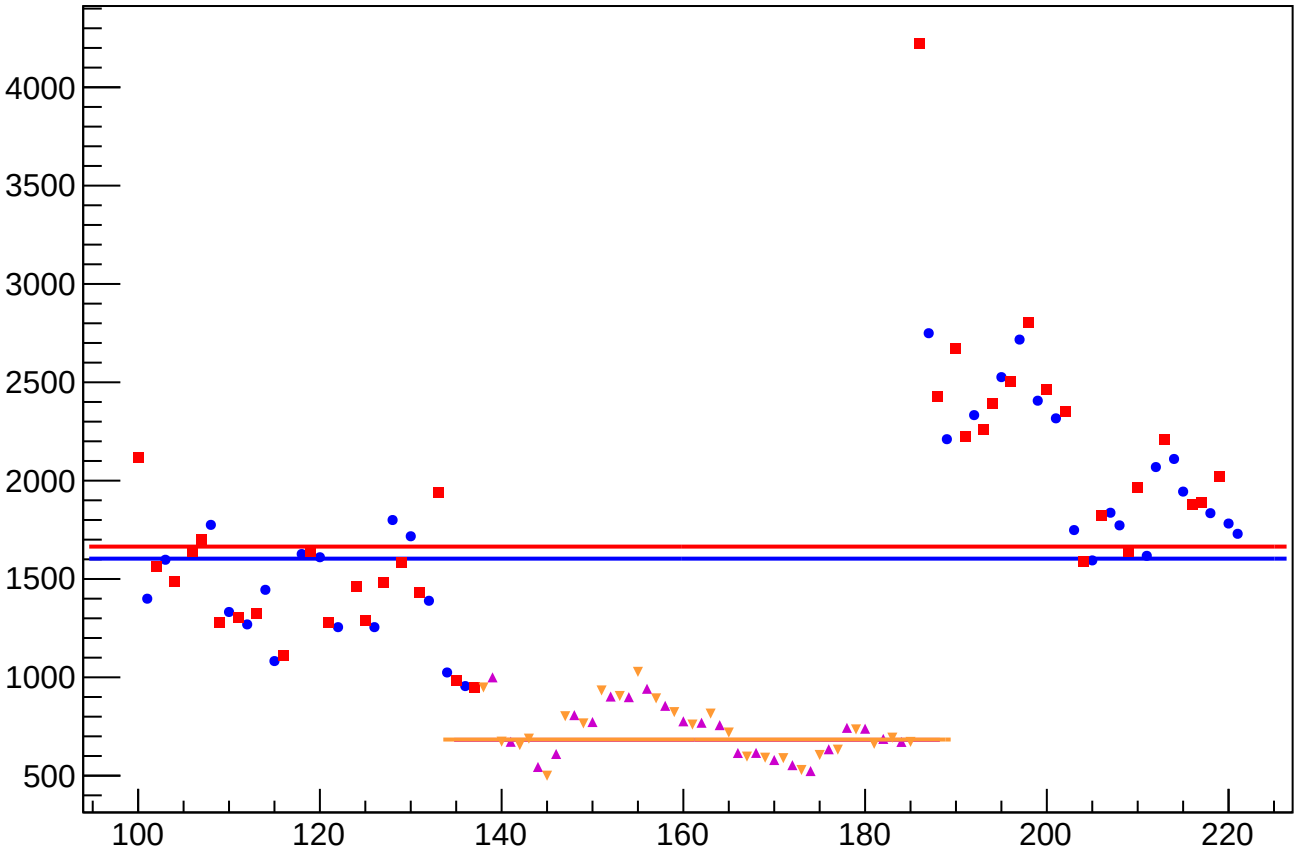
Right Out: -1851.336+/-374.313 χ^2/NDF: 52.6/36

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -941.053+/-144.579 χ^2/NDF: 124.3/58

All: -680.532+/-103.757 χ^2/NDF: 225.7/118

- sign -403.874+/-148.989 χ^2/NDF: 94.7/59



Right In: 1603.433+/-0.251 χ^2/NDF: 2966985.7/33

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1664.667+/-0.265 χ^2/NDF: 3256033.1/36

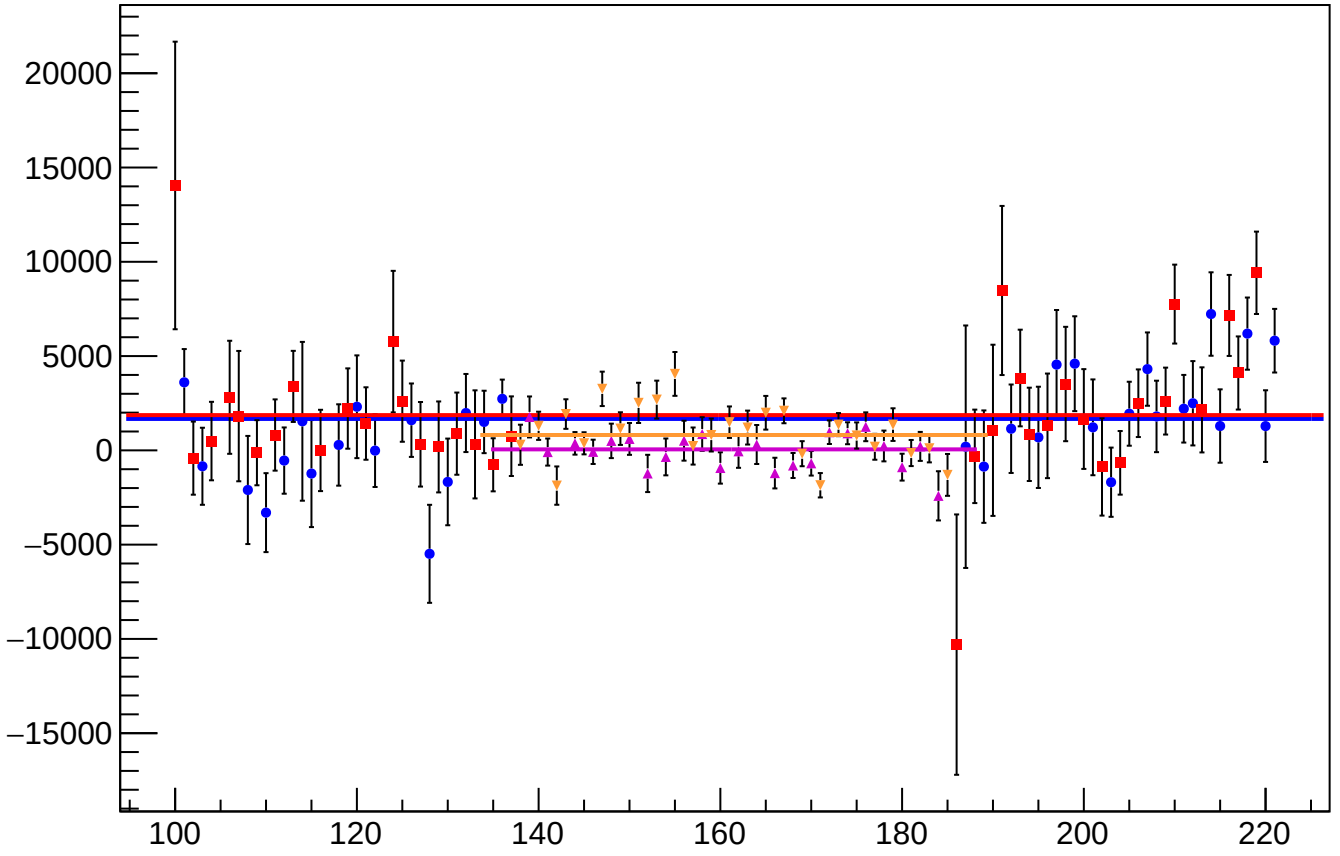
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 836.505+/-0.102 χ^2/NDF: 15478046.0/58

All: 837.061+/-0.073 χ^2/NDF: 31521356.1/11

- sign 837.651+/-0.105 χ^2/NDF: 16043249.2/59

asym_sam_2468_avg_mean vs Slug



Right In: 1666.624+/-350.238 χ^2/NDF: 51.6/33

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1868.982+/-371.205 χ^2/NDF: 52.2/36

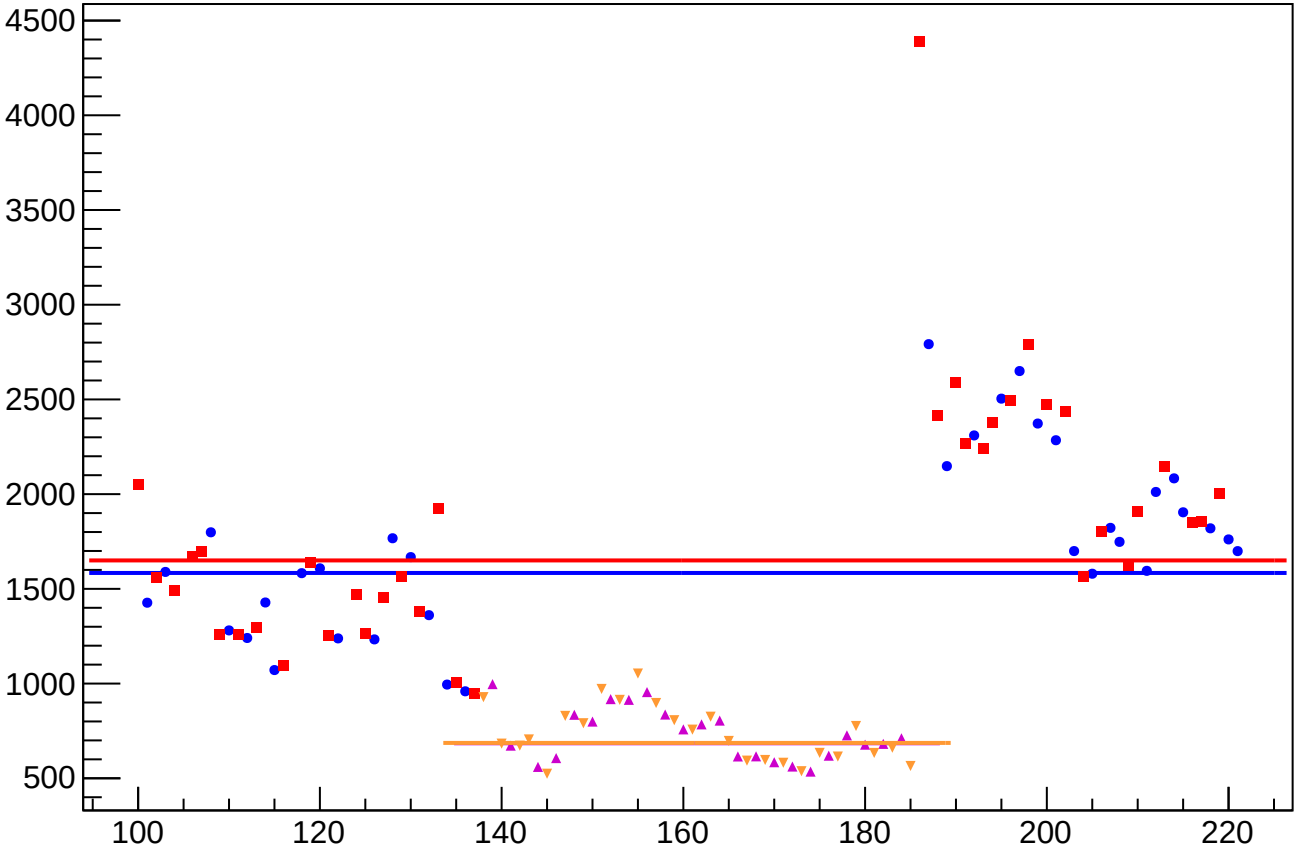
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 960.140+/-144.972 χ^2/NDF: 122.2/58

All: 662.075+/-103.998 χ^2/NDF: 228.6/118

- sign 346.065+/-149.273 χ^2/NDF: 97.6/59

asym_sam_2468_avg_rms vs Slug



Right In: 1583.952+/-0.248 χ^2/NDF: 2910689.3/33

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

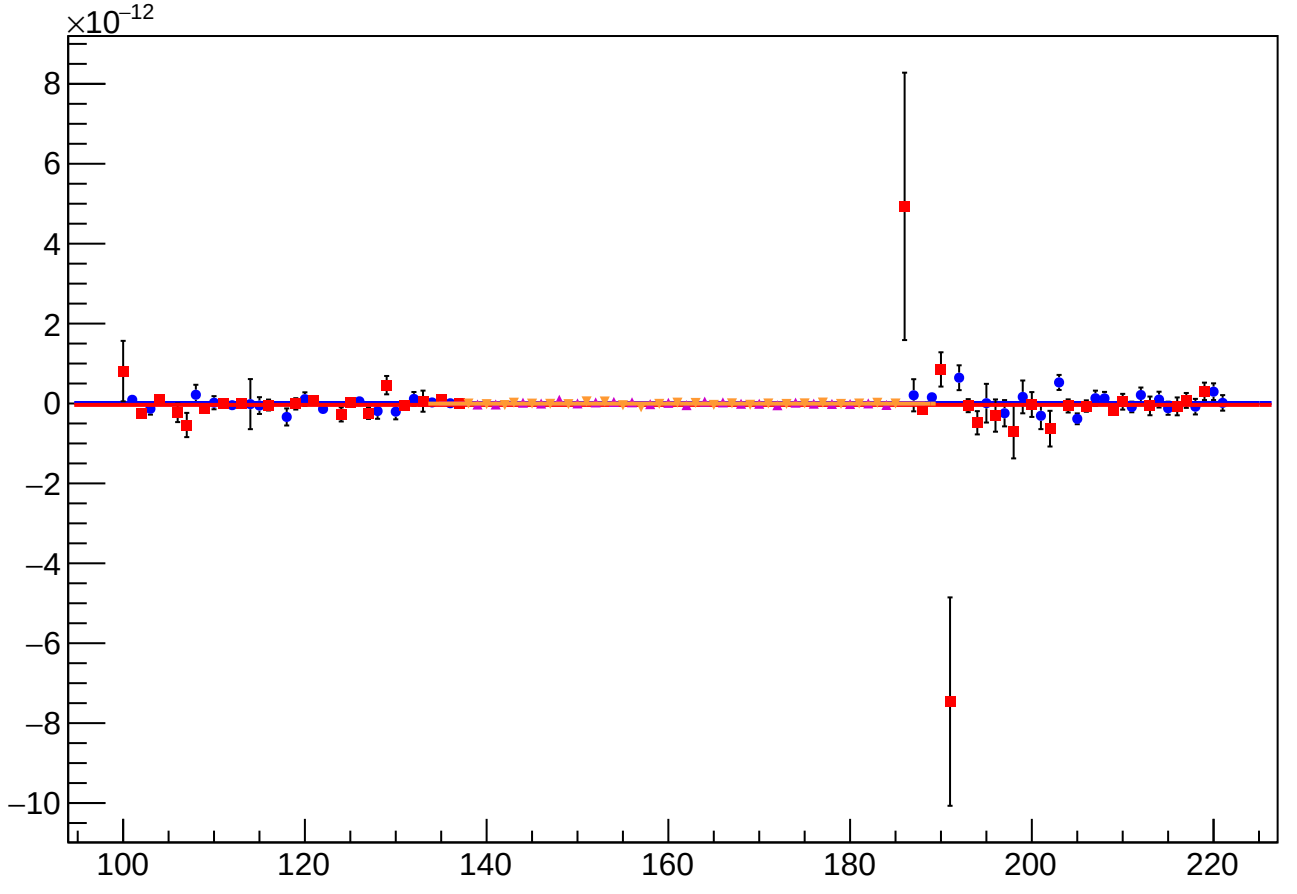
Right Out: 1650.084+/-0.262 χ^2/NDF: 3264138.4/36

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 840.430+/-0.103 χ^2/NDF: 15100005.3/58

All: 840.641+/-0.074 χ^2/NDF: 30867454.6/11

- sign 840.864+/-0.106 χ^2/NDF: 15767440.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.5/33

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

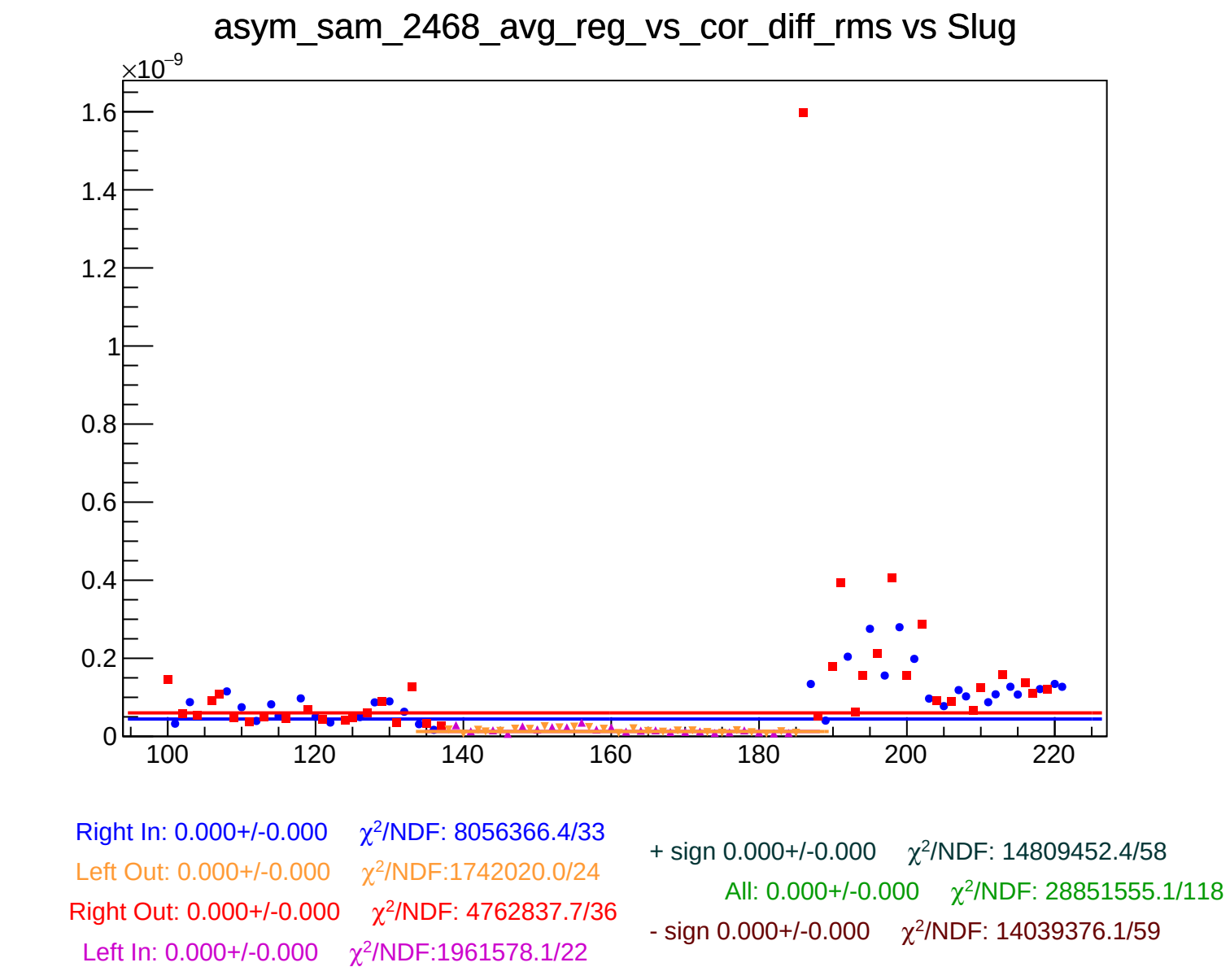
Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

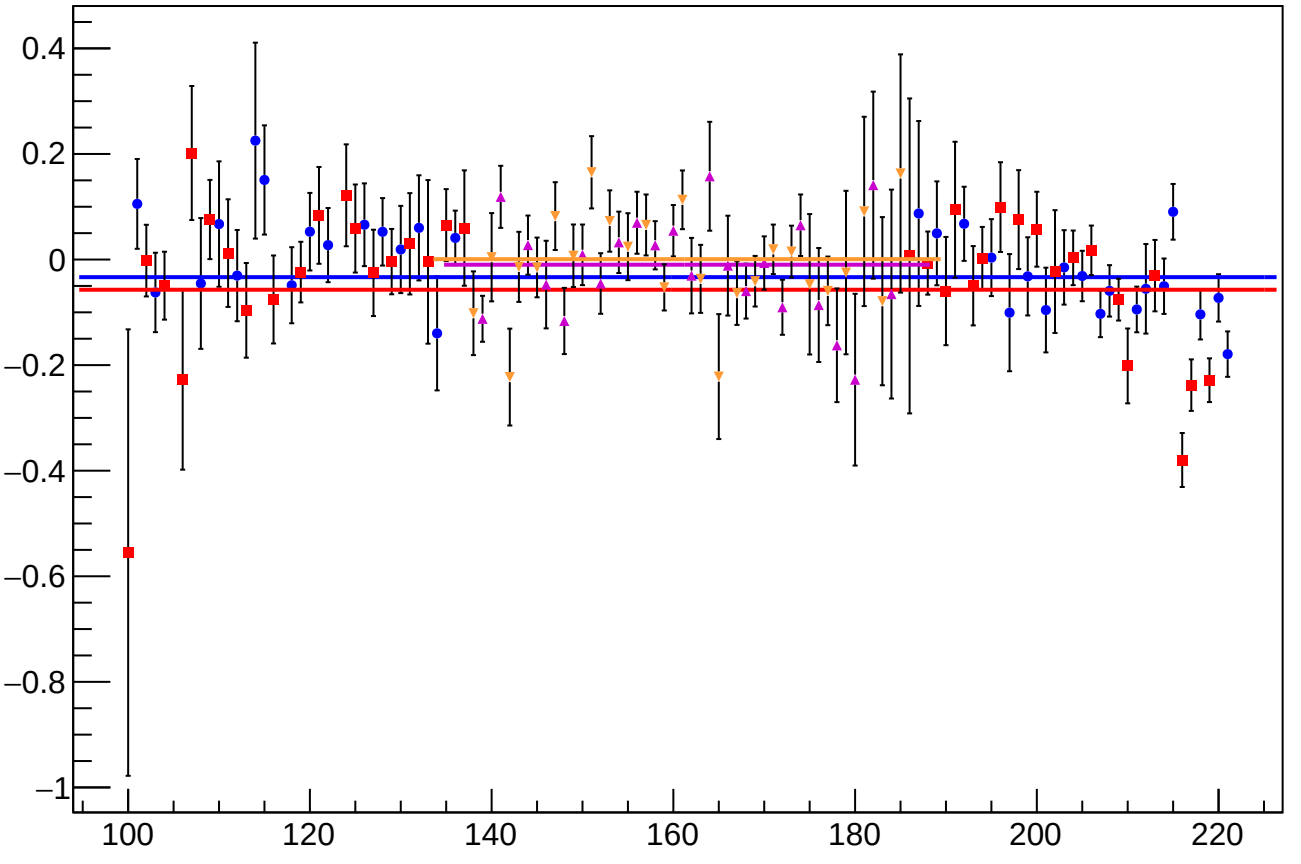
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/58

All: -0.000+/-0.000 χ^2/NDF: 131.1/118

- sign -0.000+/-0.000 χ^2/NDF: 73.5/59


asym_sam_2468_avg_reg_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
220
Right In: 0.000+/-0.000 χ²/NDF: 8056366.4/33
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4762837.7/36
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
+ sign 0.000+/-0.000 χ²/NDF: 14809452.4/58
All: 0.000+/-0.000 χ²/NDF: 28851555.1/118
- sign 0.000+/-0.000 χ²/NDF: 14039376.1/59



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

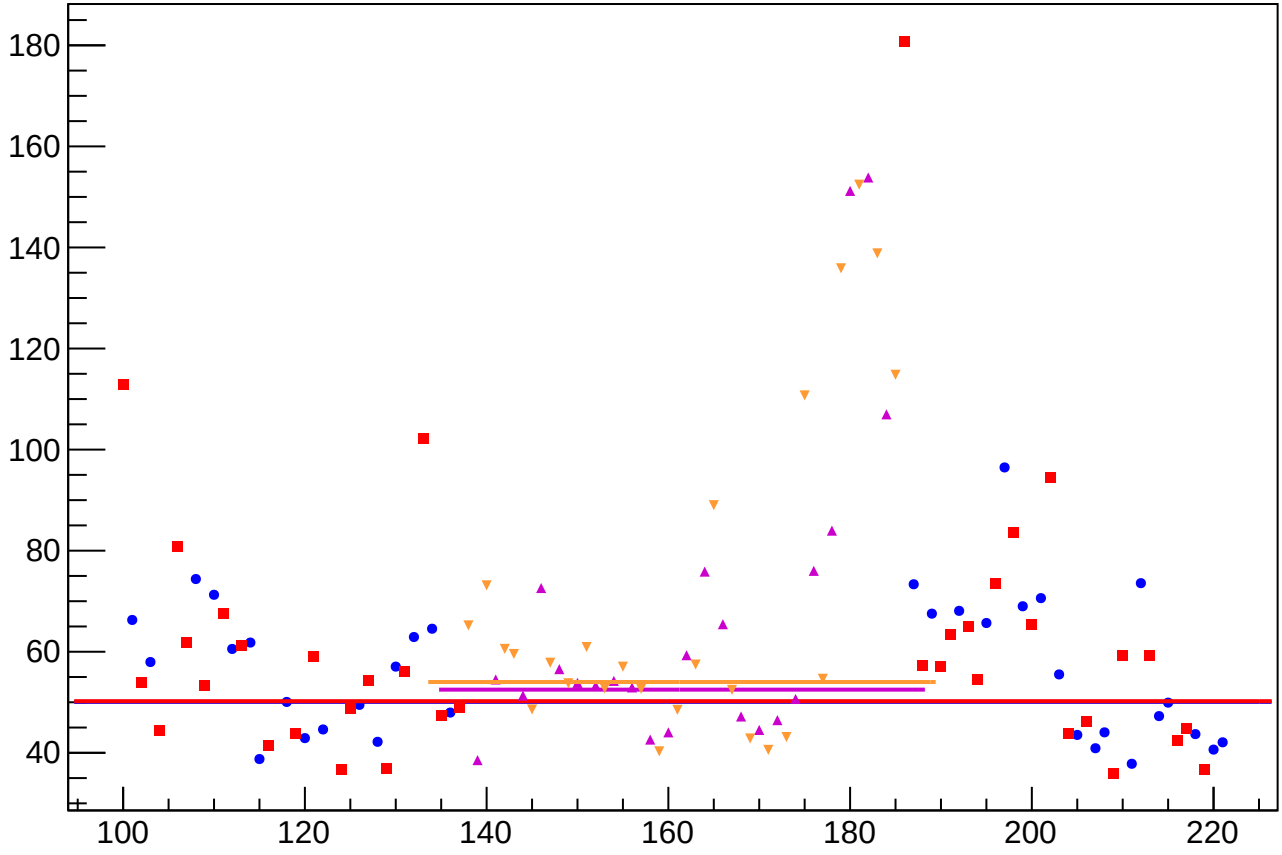
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.028+/-0.006 χ^2/NDF: 240.3/118

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.085+/-0.008 χ^2/NDF: 2057298.8/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

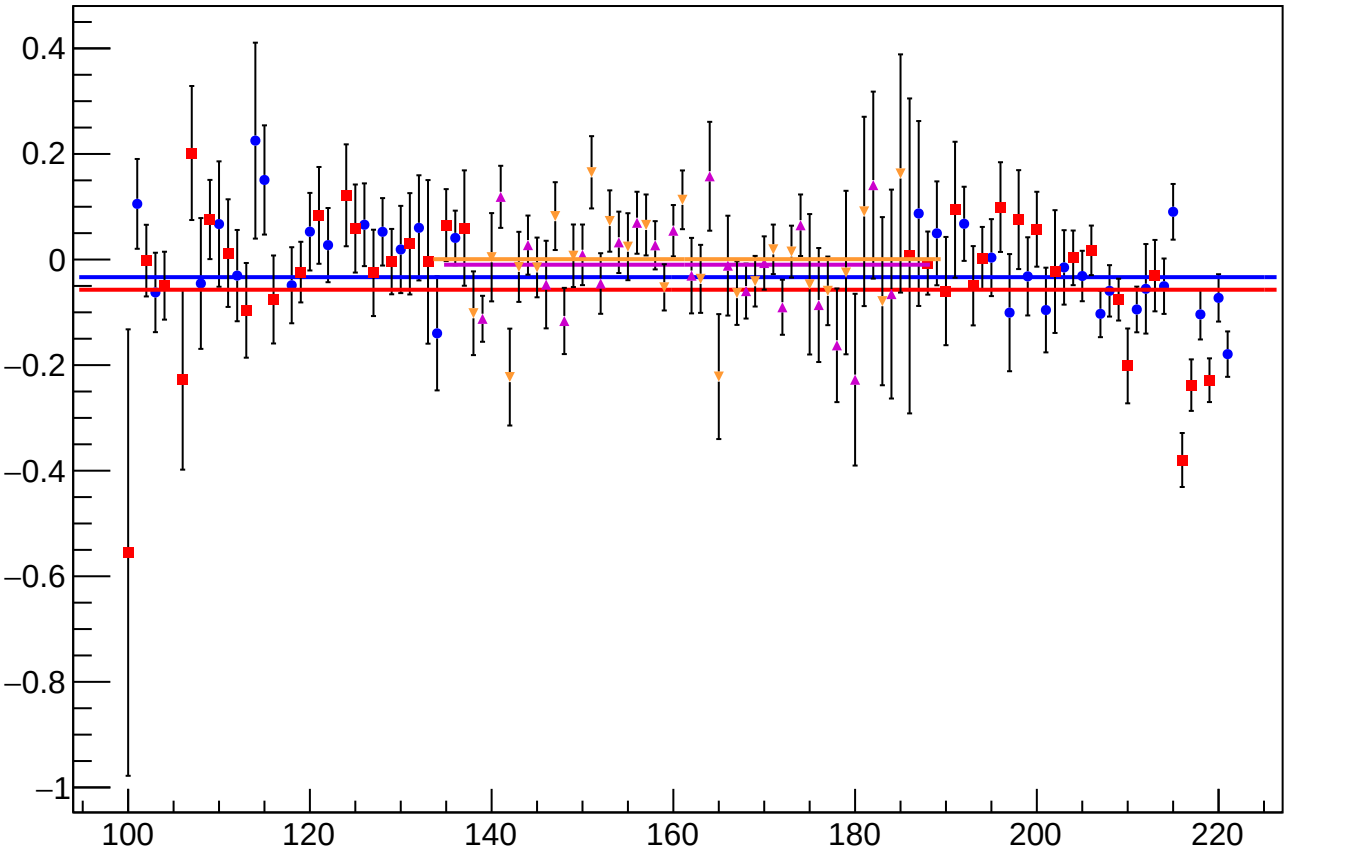
Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386584.0/58

All: 51.485+/-0.004 χ^2/NDF: 10629830.4/118

- sign 51.215+/-0.006 χ^2/NDF: 5239515.3/59



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

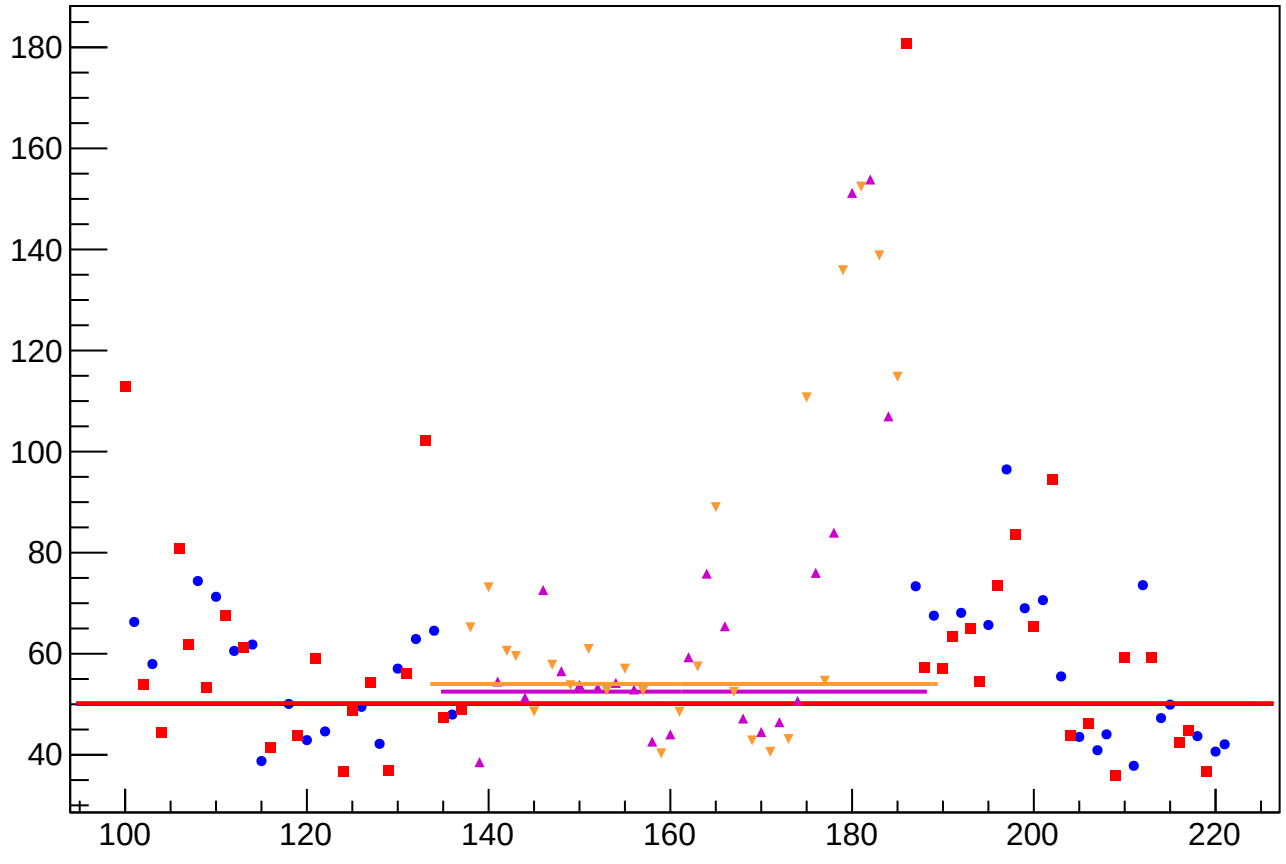
Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.028+/-0.006 χ^2/NDF: 240.3/118

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59



Right In: 50.085+/-0.008 χ^2/NDF: 2057298.8/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

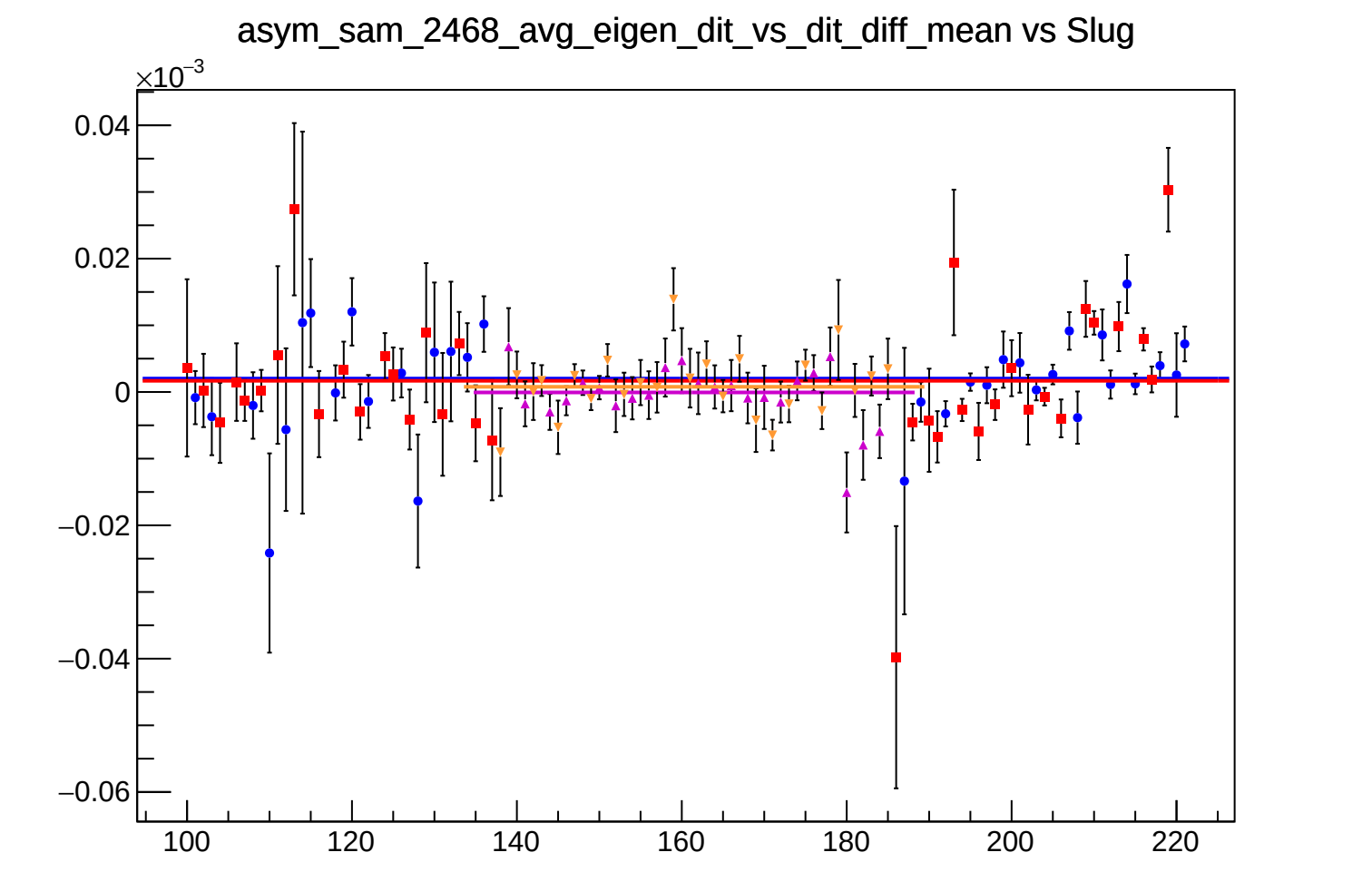
Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386584.0/58

All: 51.485+/-0.004 χ^2/NDF: 10629830.4/118

- sign 51.215+/-0.006 χ^2/NDF: 5239515.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 59.7/33

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

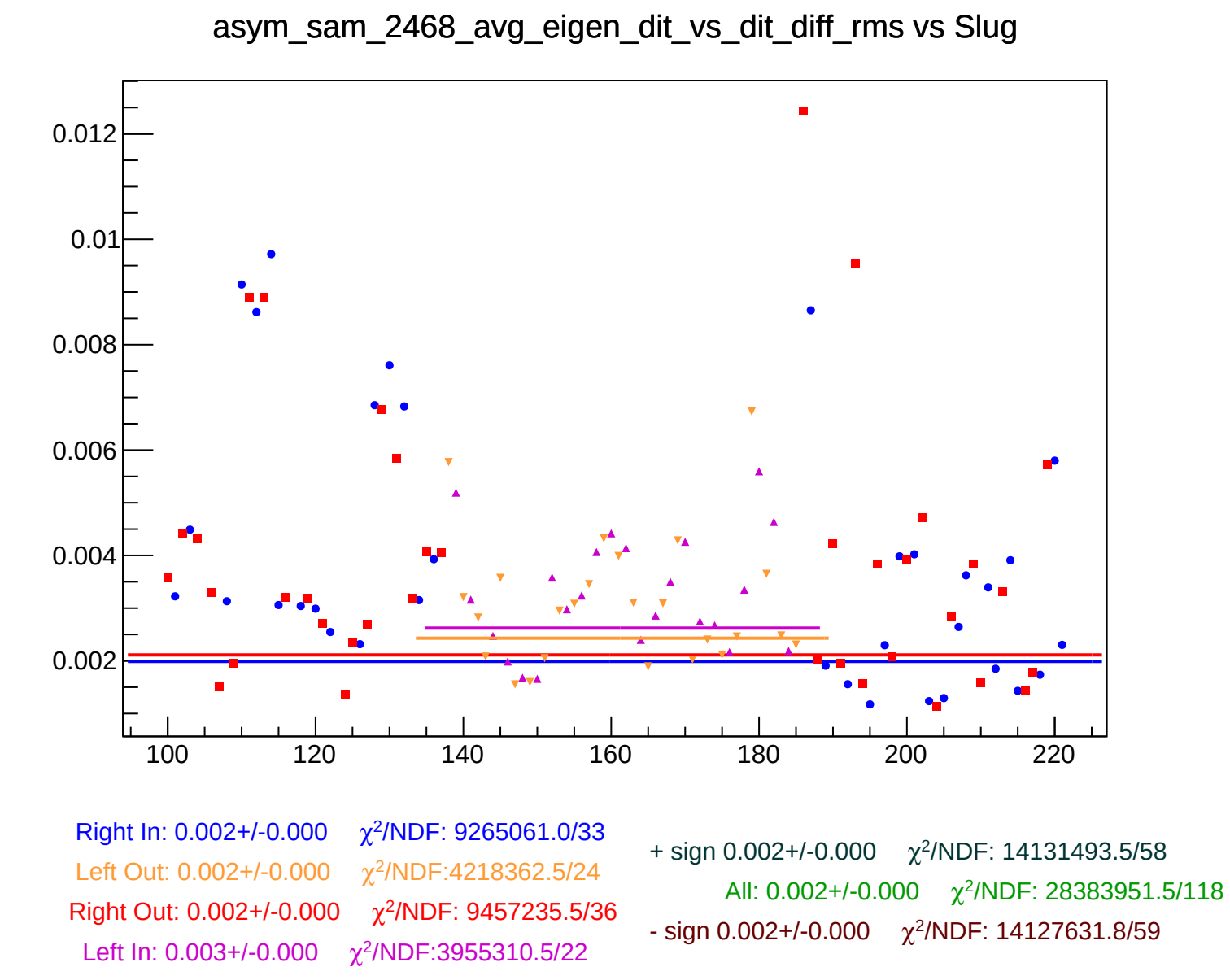
Right Out: 0.000+/-0.000 χ^2/NDF: 123.9/36

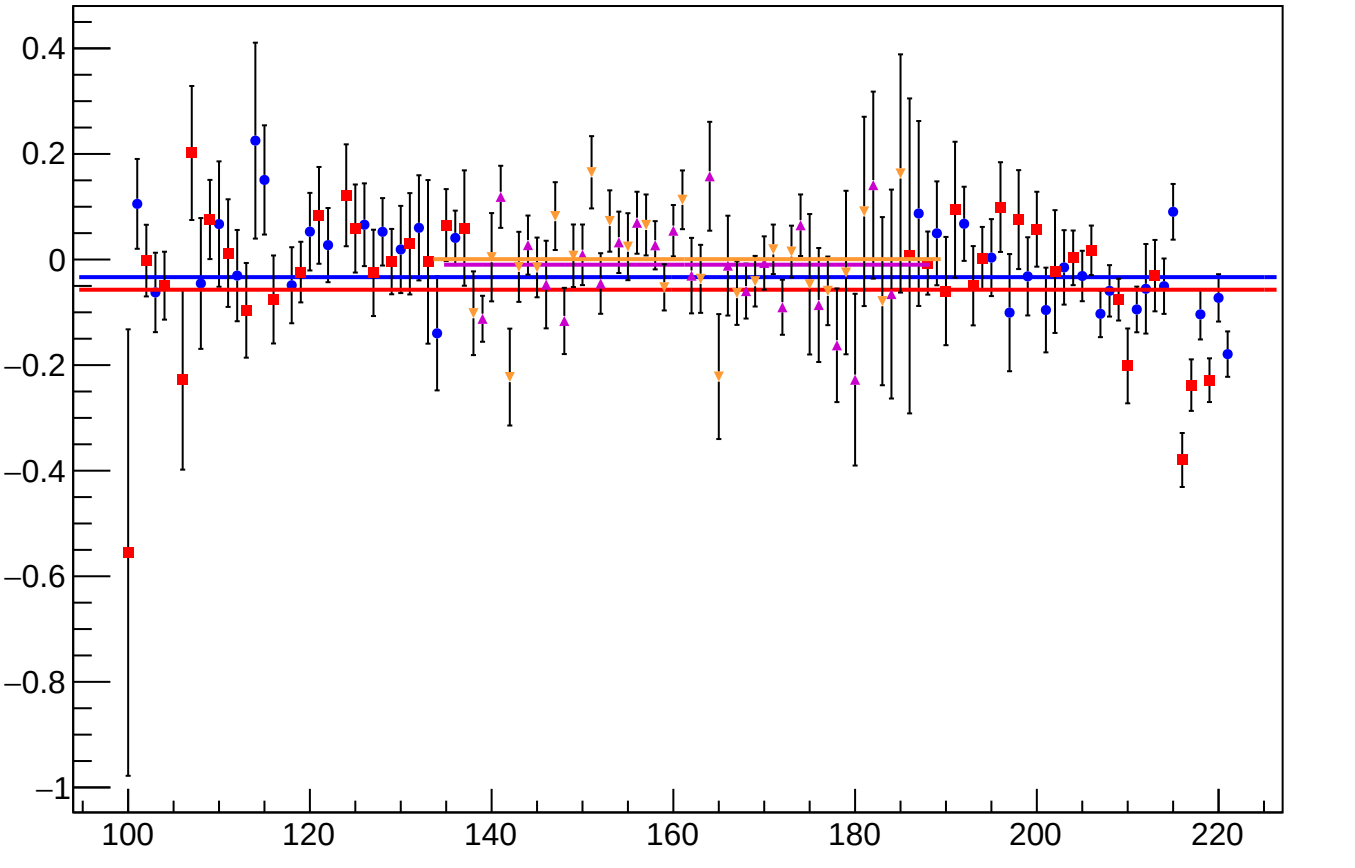
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 100.3/58

All: 0.000+/-0.000 χ^2/NDF: 249.5/118

- sign 0.000+/-0.000 χ^2/NDF: 148.3/59


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 9265061.0/33
Left Out: 0.002+/-0.000 χ²/NDF:4218362.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 9457235.5/36
Left In: 0.003+/-0.000 χ²/NDF:3955310.5/22
+ sign 0.002+/-0.000 χ²/NDF: 14131493.5/58
All: 0.002+/-0.000 χ²/NDF: 28383951.5/118
- sign 0.002+/-0.000 χ²/NDF: 14127631.8/59



Right In: -0.033+/-0.011 χ^2/NDF: 48.0/33

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

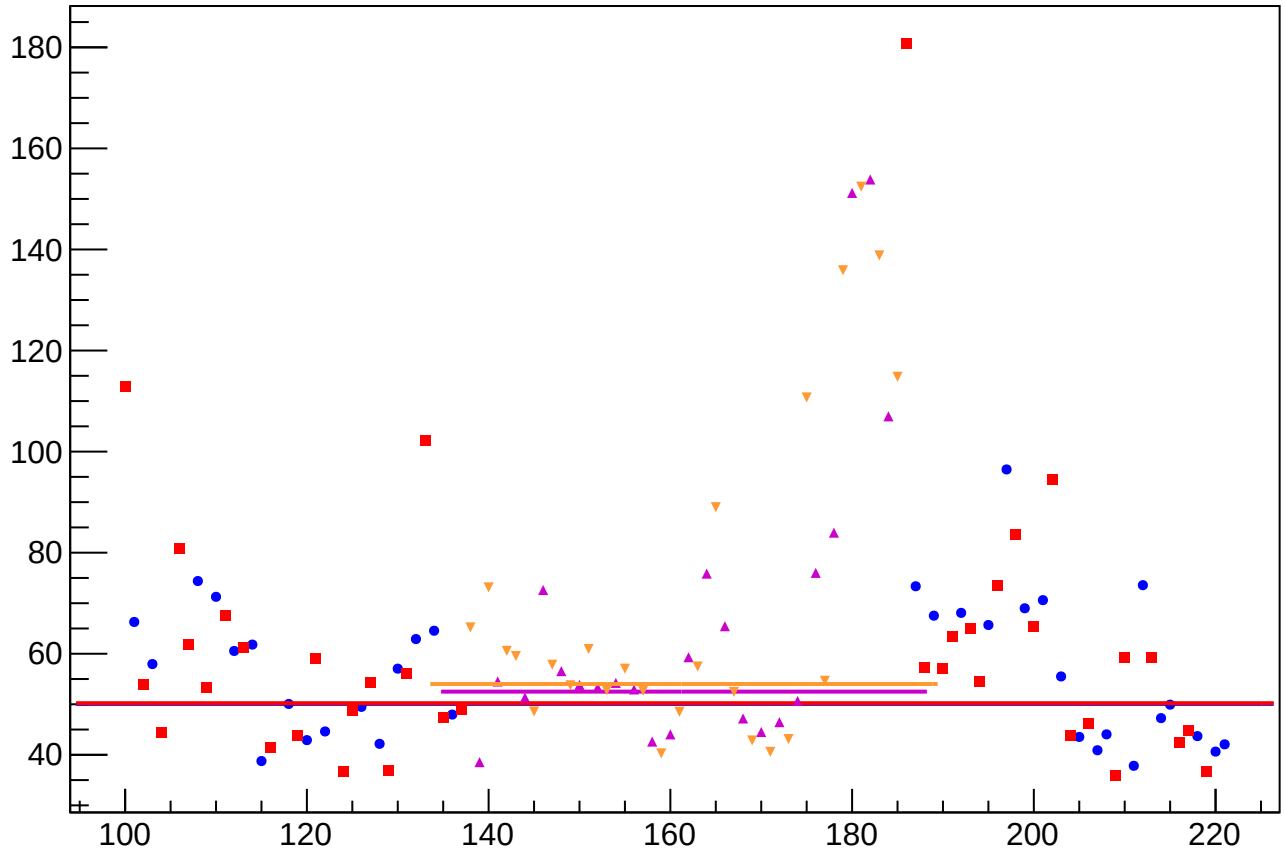
Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.019+/-0.009 χ^2/NDF: 83.5/58

All: -0.028+/-0.006 χ^2/NDF: 240.3/118

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59



Right In: 50.084+/-0.008 χ^2/NDF: 2057279.4/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

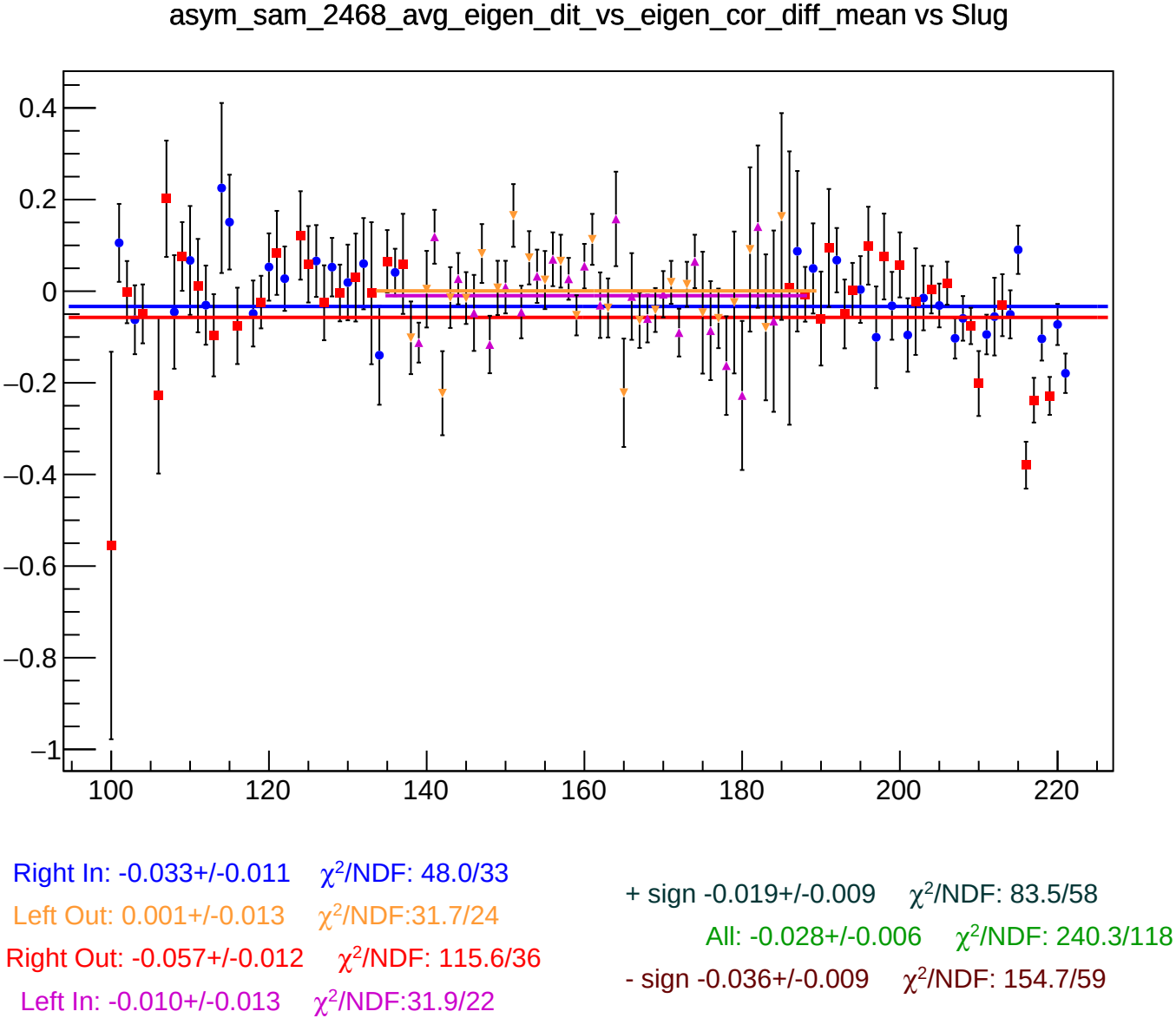
Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

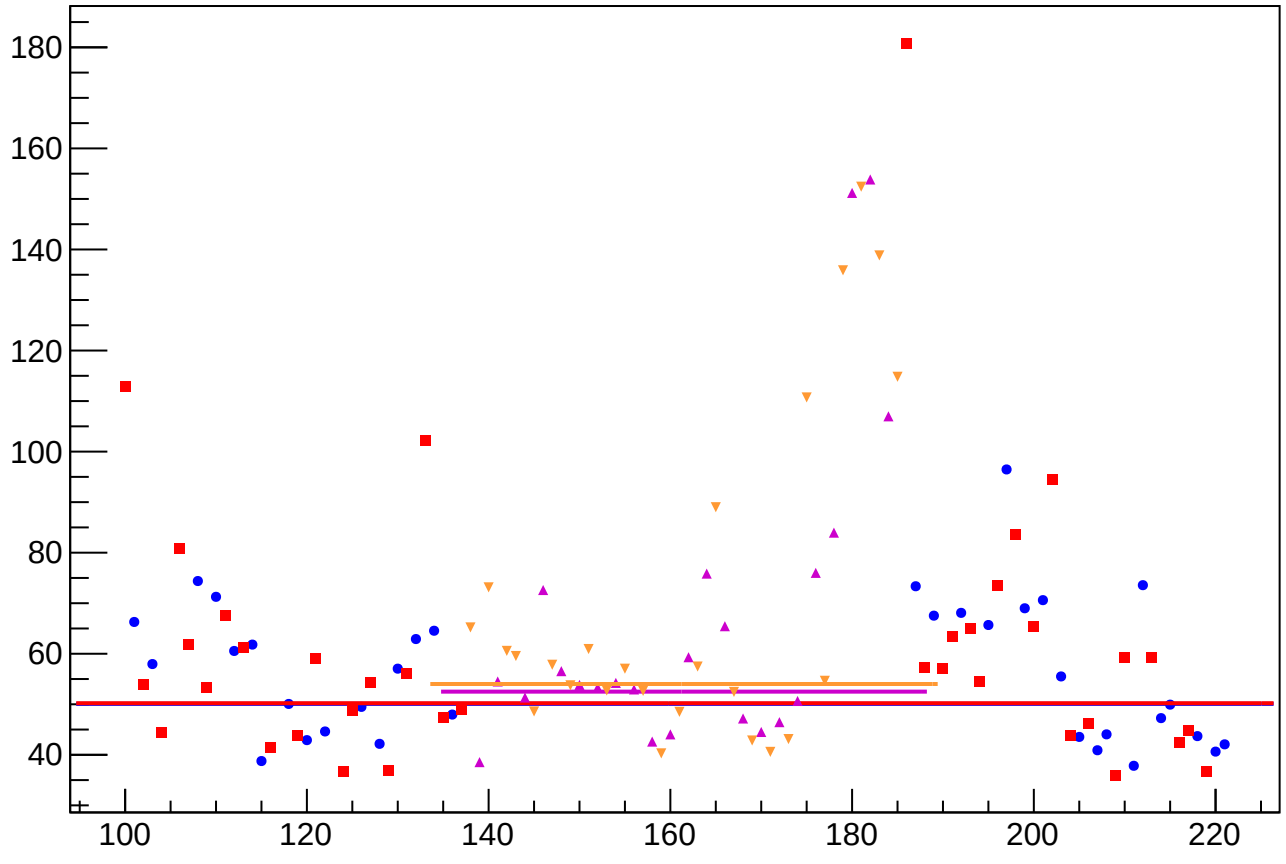
Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386643.0/58

All: 51.485+/-0.004 χ^2/NDF: 10629953.6/118

- sign 51.215+/-0.006 χ^2/NDF: 5239581.8/59


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
220
Right In: -0.033+/-0.011 χ²/NDF: 48.0/33
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: -0.057+/-0.012 χ²/NDF: 115.6/36
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign -0.019+/-0.009 χ²/NDF: 83.5/58
All: -0.028+/-0.006 χ²/NDF: 240.3/118
- sign -0.036+/-0.009 χ²/NDF: 154.7/59



Right In: 50.084+/-0.008 χ^2/NDF: 2057279.4/33

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

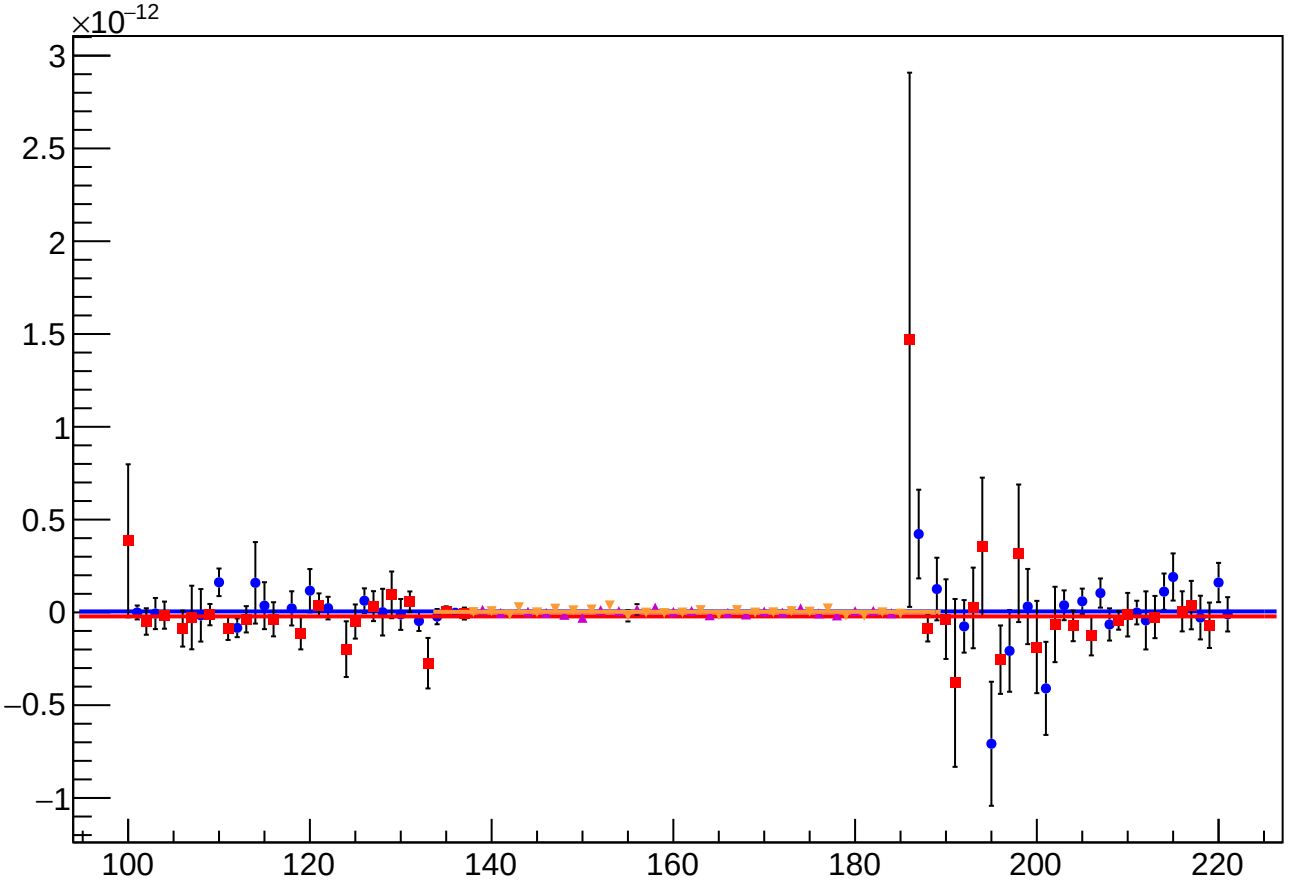
Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 51.745+/-0.006 χ^2/NDF: 5386643.0/58

All: 51.485+/-0.004 χ^2/NDF: 10629953.6/118

- sign 51.215+/-0.006 χ^2/NDF: 5239581.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

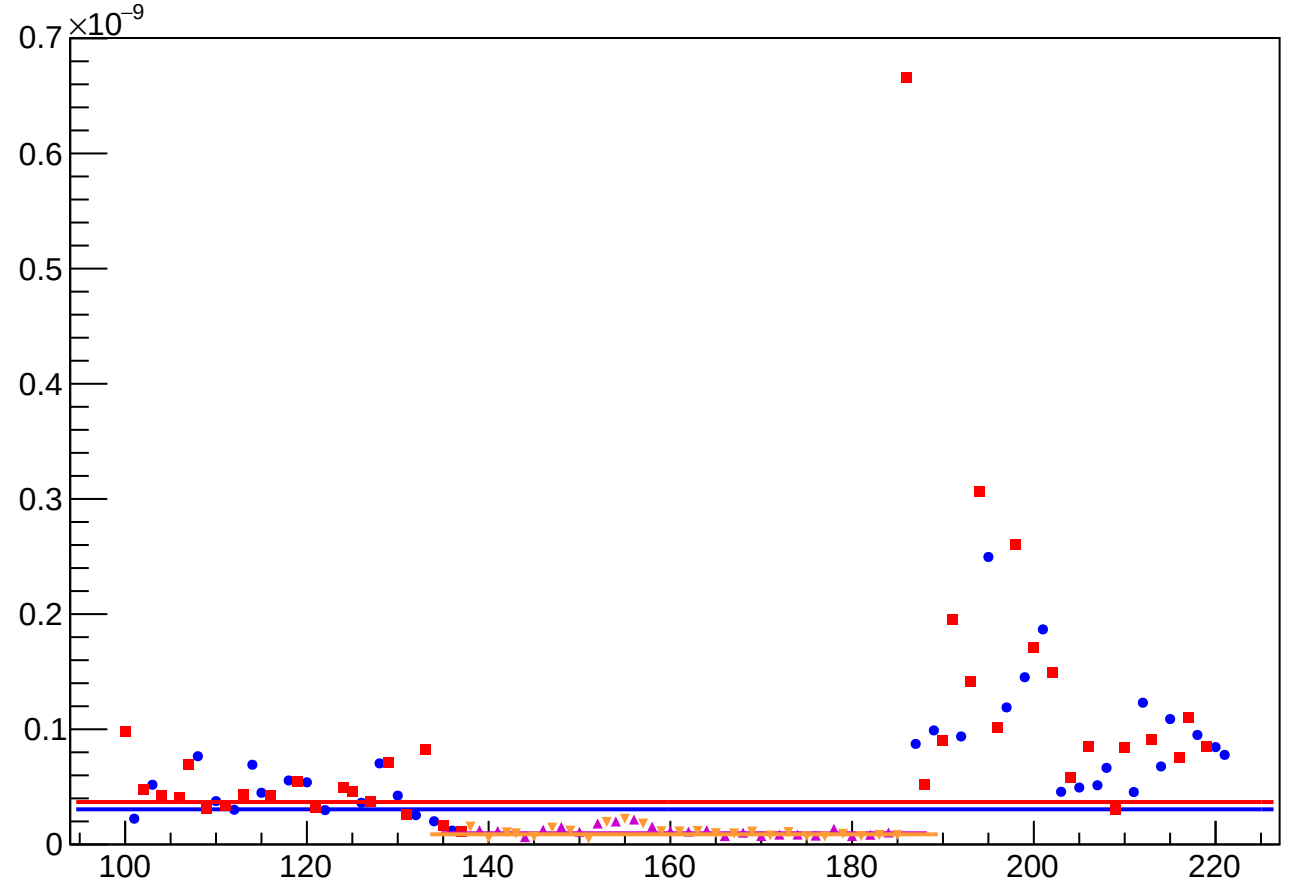
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/36

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/58

All: 0.000+/-0.000 χ^2/NDF: 95.6/118

- sign 0.000+/-0.000 χ^2/NDF: 40.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 11266122.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10188114.6/36

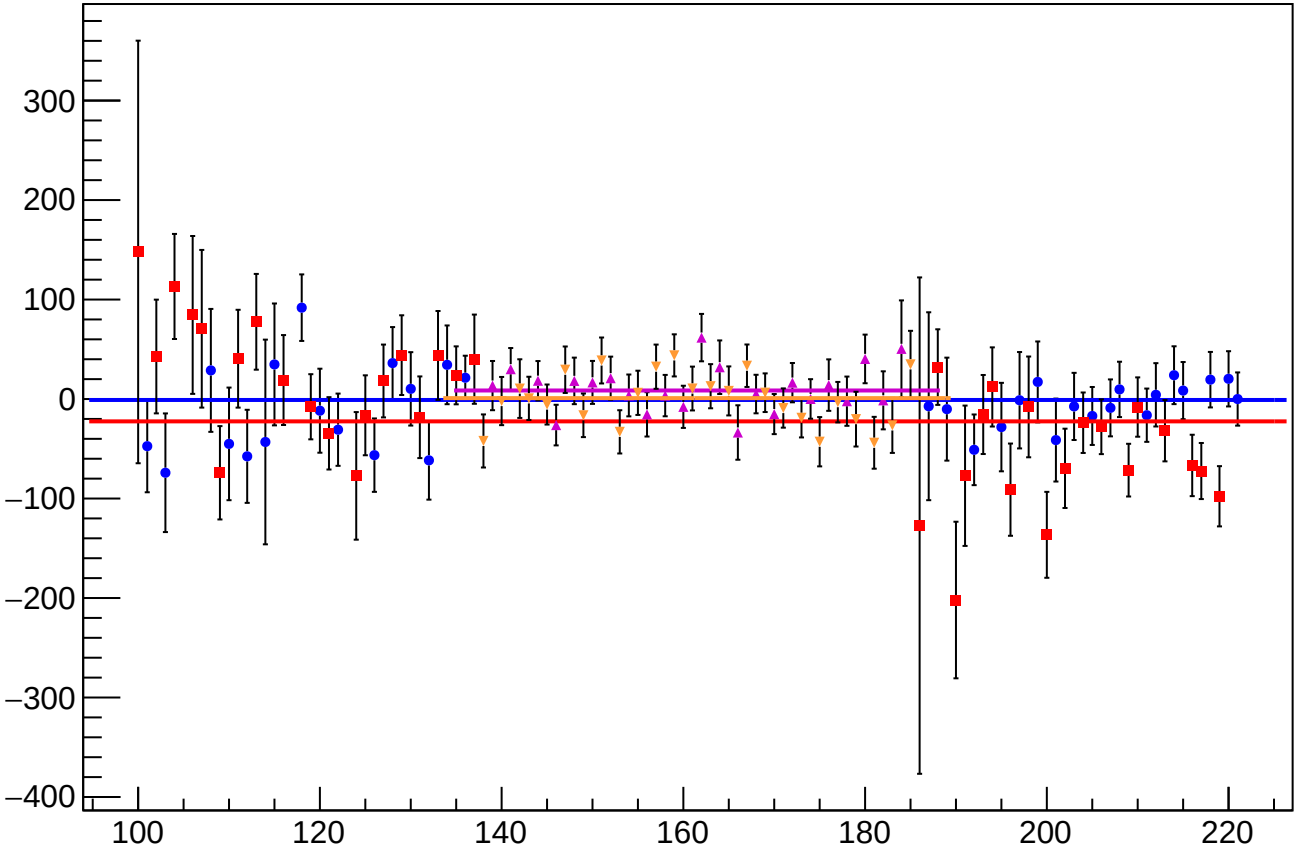
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 21359057.4/58

All: 0.000+/-0.000 χ^2/NDF: 42520914.9/118

- sign 0.000+/-0.000 χ^2/NDF: 21023120.4/59

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.937+/-6.129 χ^2/NDF: 27.8/33

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -22.447+/-6.558 χ^2/NDF: 66.1/36

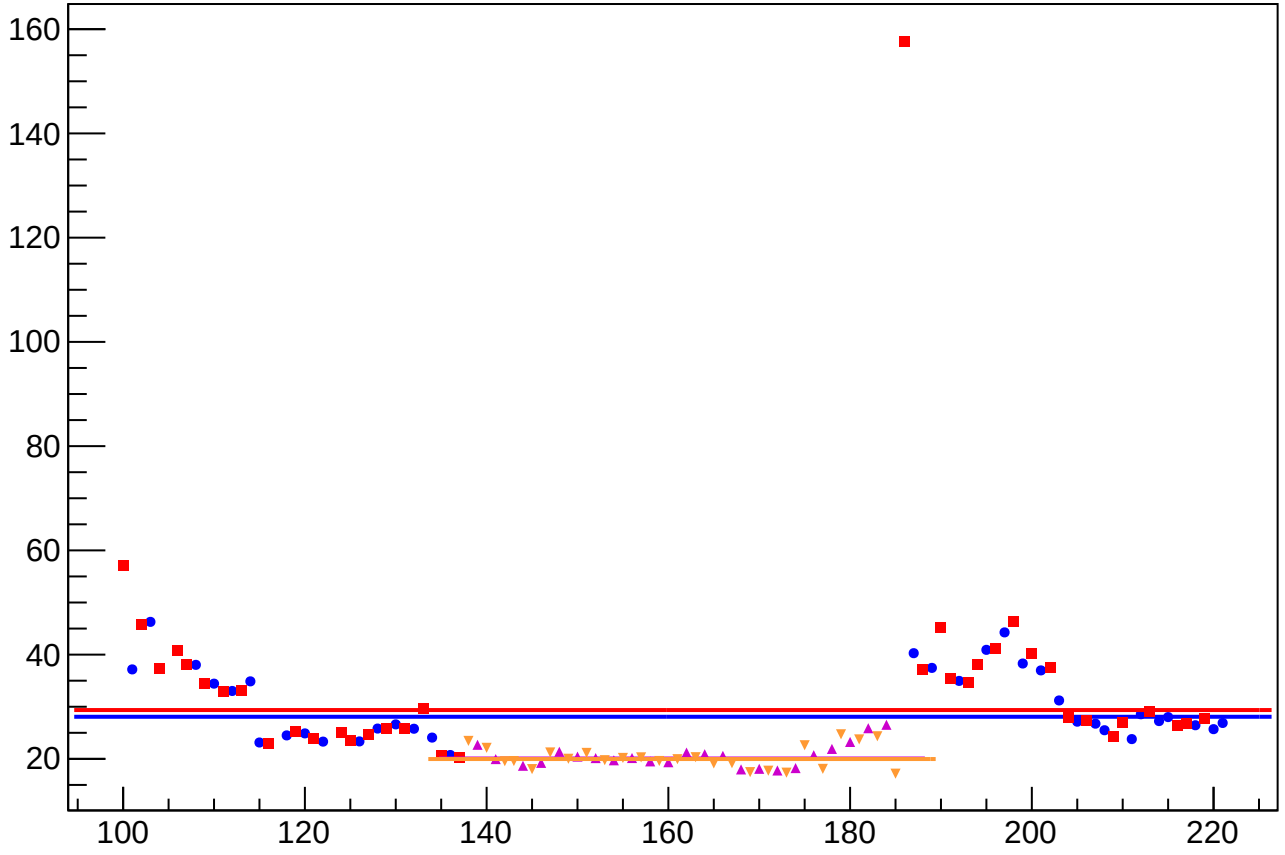
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.253+/-3.666 χ^2/NDF: 57.0/58

All: -0.825+/-2.649 χ^2/NDF: 157.5/118

- sign -2.005+/-3.833 χ^2/NDF: 100.3/59

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.077+/-0.004 χ^2/NDF: 1644911.5/33

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

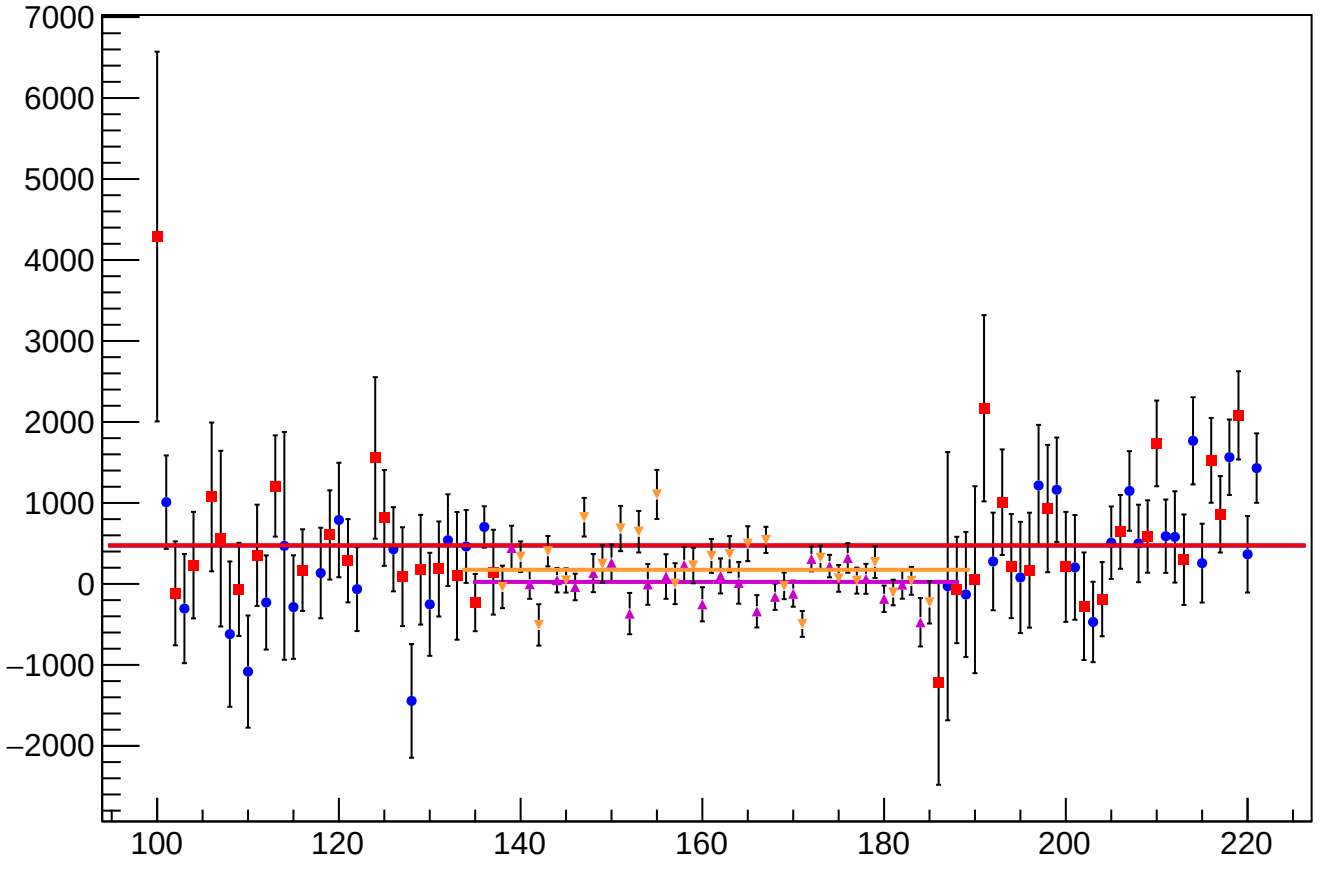
Right Out: 29.367+/-0.005 χ^2/NDF: 2395717.9/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.870+/-0.003 χ^2/NDF: 4280464.6/58

All: 23.050+/-0.002 χ^2/NDF: 9633028.3/118

- sign 23.247+/-0.003 χ^2/NDF: 5342424.3/59



Right In: 473.138+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

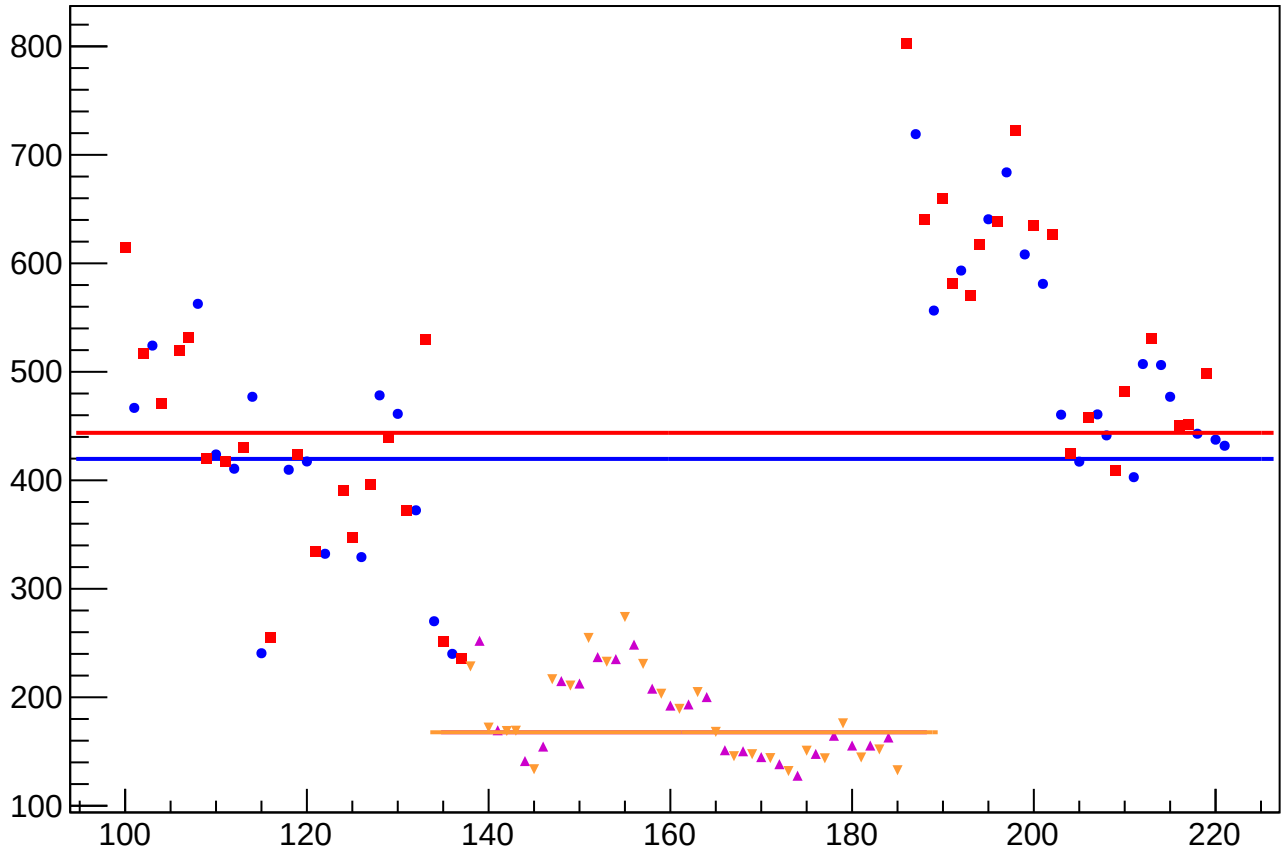
Right Out: 477.098+/-99.416 χ^2/NDF: 43.1/36

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 219.633+/-35.989 χ^2/NDF: 128.4/58

All: 155.849+/-25.854 χ^2/NDF: 222.7/118

- sign 87.828+/-37.165 χ^2/NDF: 87.8/59



Right In: 419.726+/-0.066 χ^2/NDF: 2857192.8/33

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 443.764+/-0.070 χ^2/NDF: 2954168.2/36

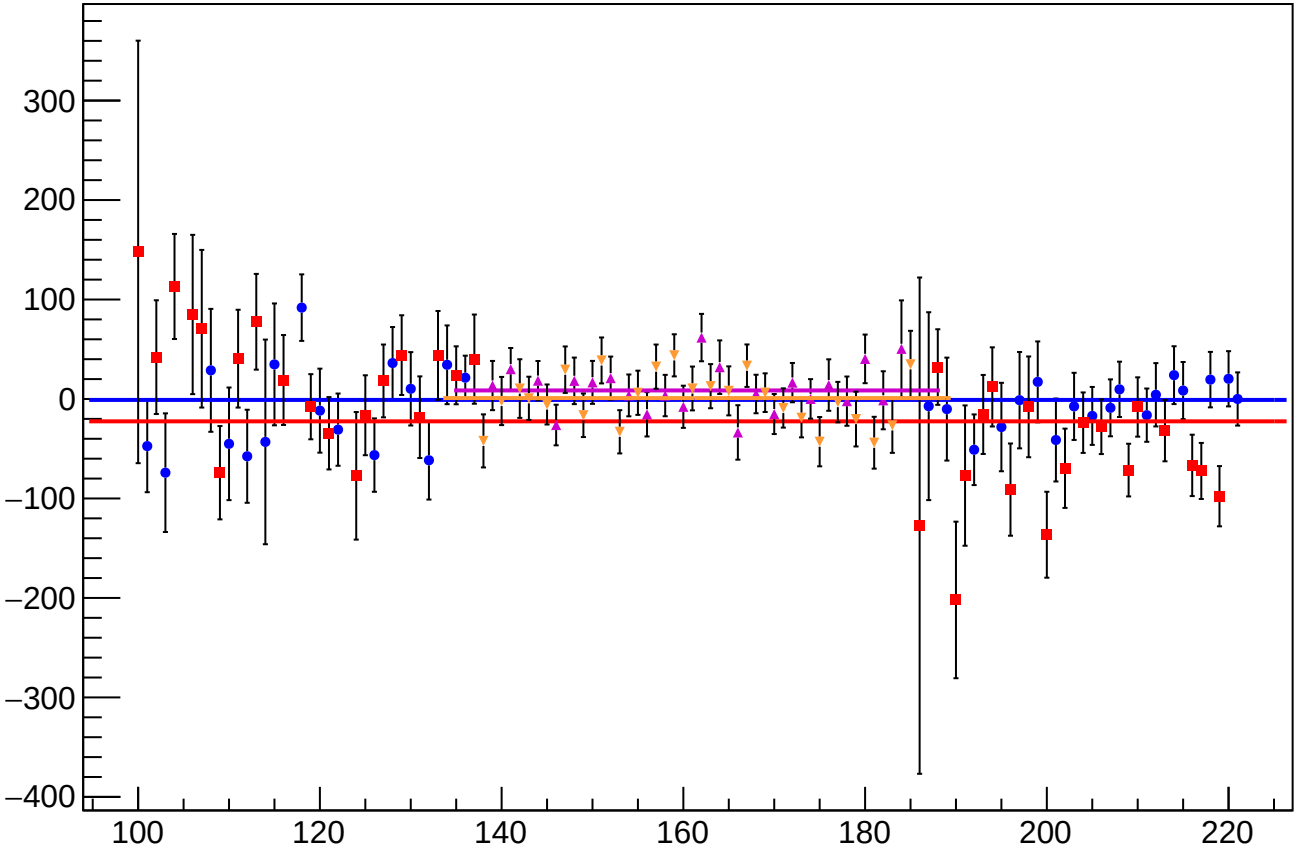
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 205.697+/-0.025 χ^2/NDF: 16975219.8/58

All: 205.999+/-0.018 χ^2/NDF: 34594873.1/11

- sign 206.322+/-0.026 χ^2/NDF: 17619361.7/59

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.935+/-6.129 χ^2/NDF: 27.8/33

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -22.468+/-6.559 χ^2/NDF: 66.1/36

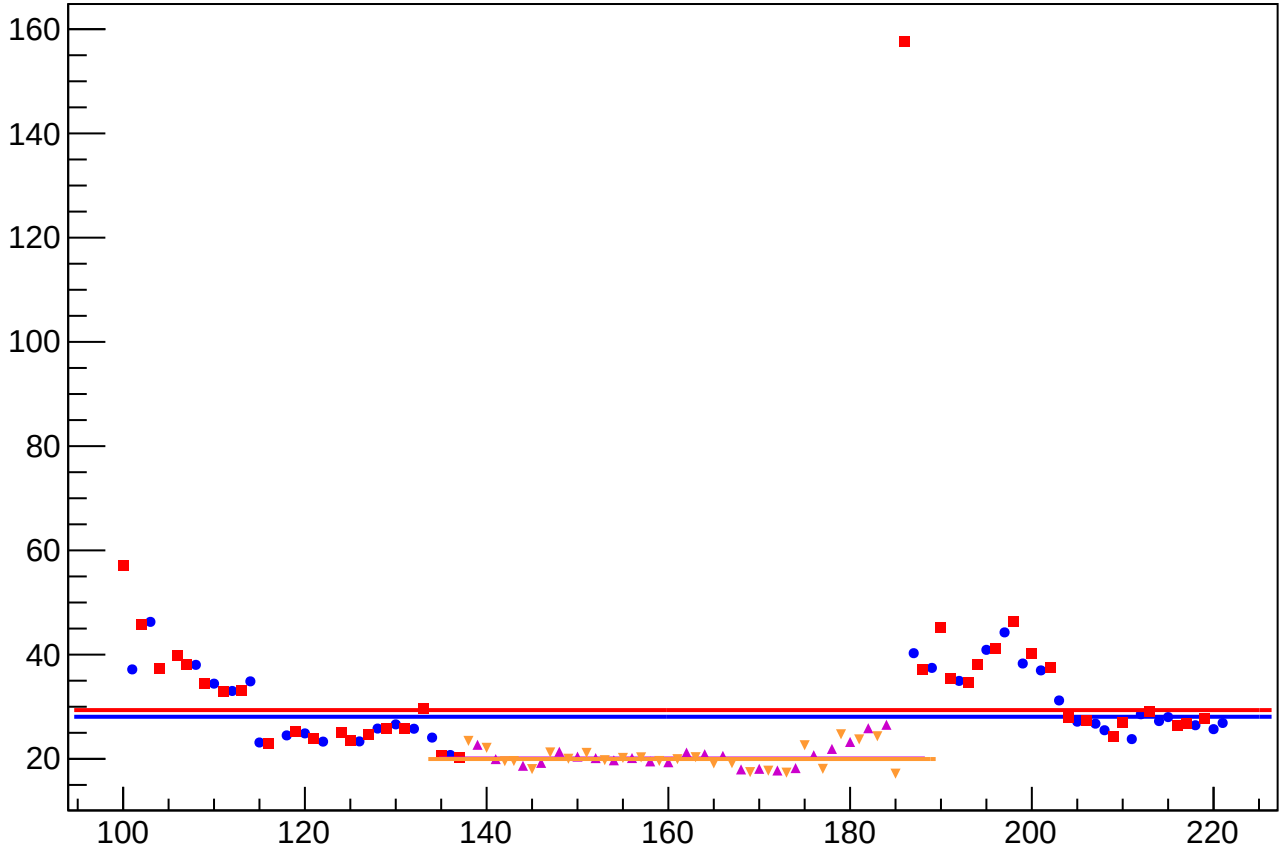
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign 0.253+/-3.666 χ^2/NDF: 57.0/58

All: -0.828+/-2.649 χ^2/NDF: 157.4/118

\- sign -2.011+/-3.833 χ^2/NDF: 100.2/59

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.077+/-0.004 χ^2/NDF: 1644914.8/33

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

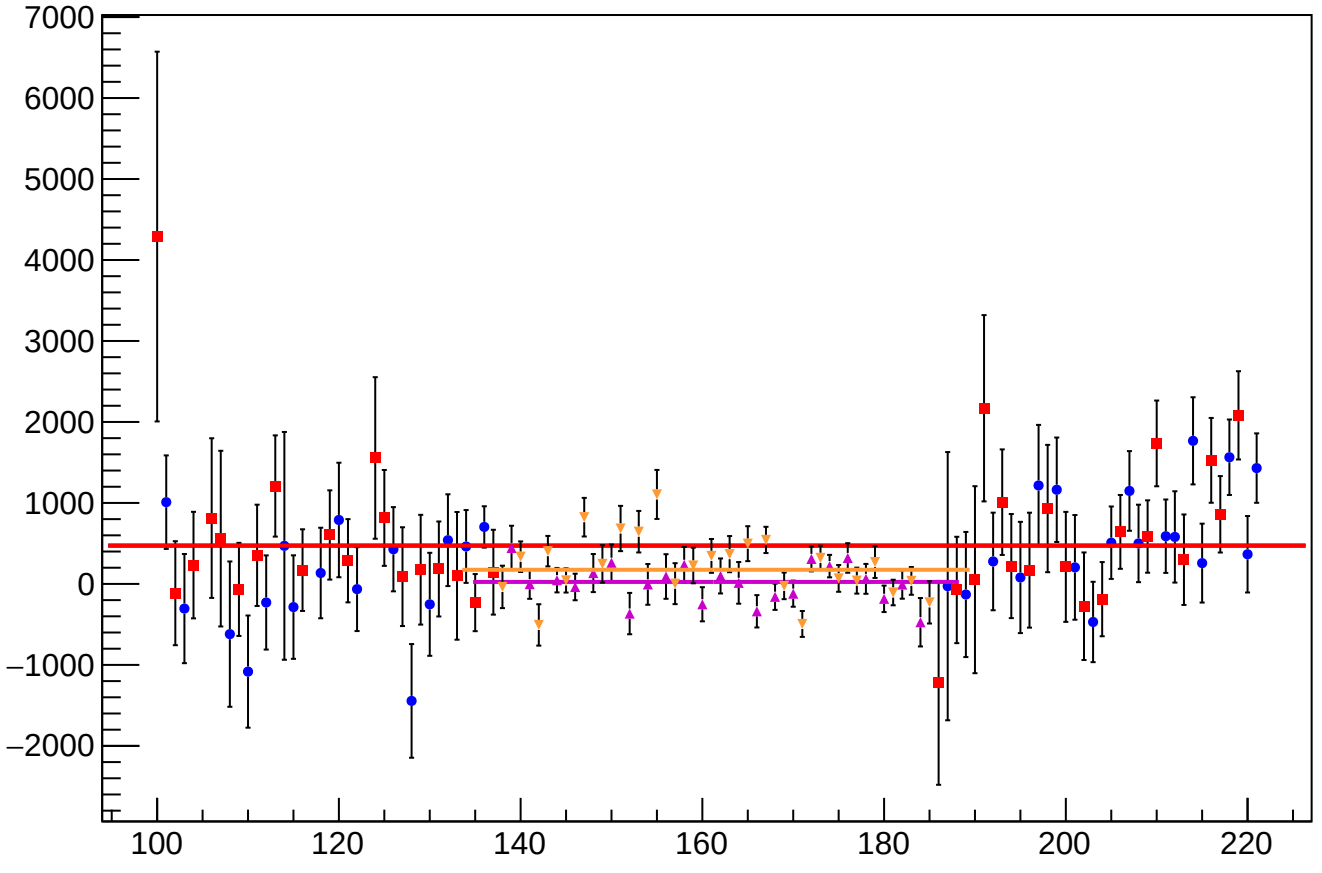
Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.870+/-0.003 χ^2/NDF: 4280467.9/58

All: 23.048+/-0.002 χ^2/NDF: 9619785.7/118

- sign 23.244+/-0.003 χ^2/NDF: 5329351.5/59



Right In: 473.136+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

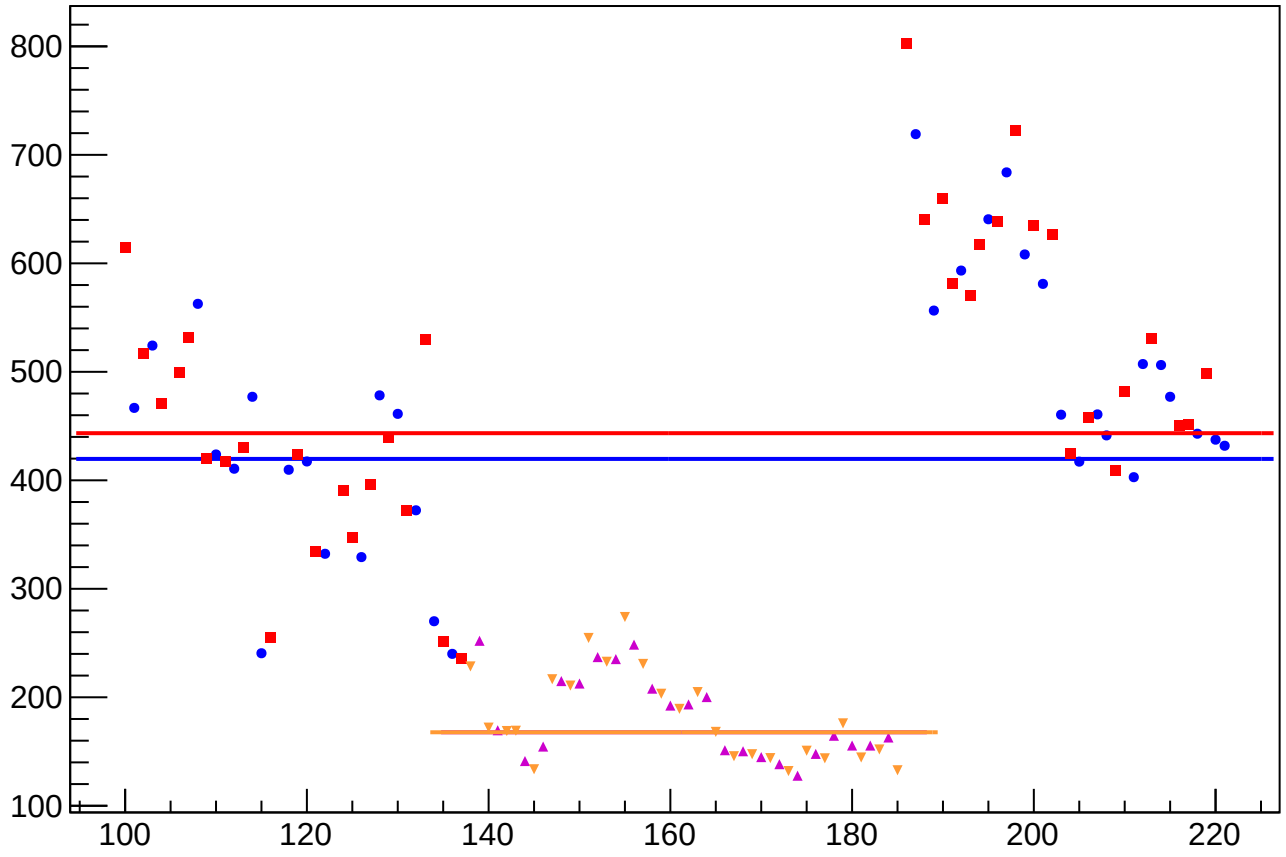
Right Out: 473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 219.631+/-35.989 χ^2/NDF: 128.4/58

All: 155.576+/-25.855 χ^2/NDF: 222.1/118

- sign 87.251+/-37.169 χ^2/NDF: 87.2/59



Right In: 419.727+/-0.066 χ^2/NDF: 2857217.5/33

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

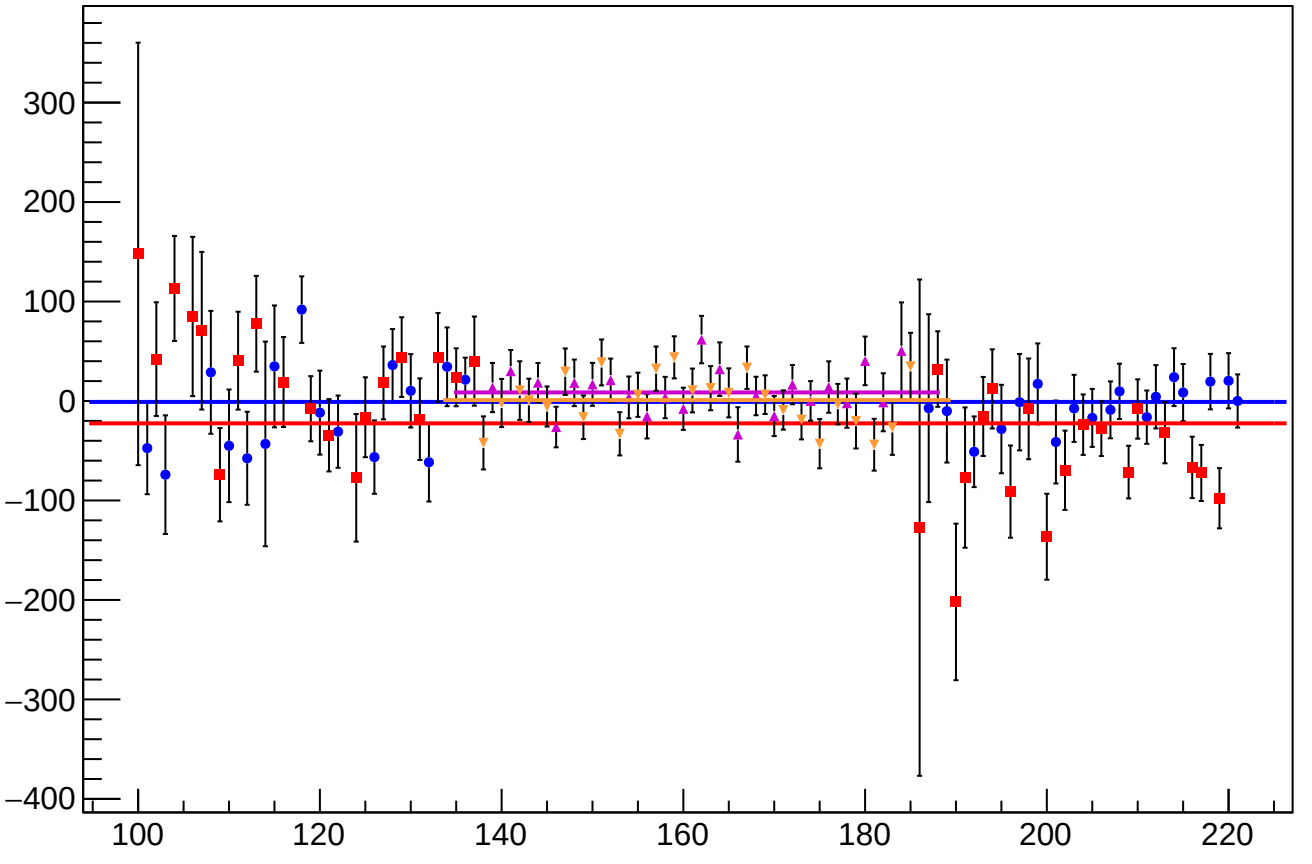
Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 205.697+/-0.025 χ^2/NDF: 16975248.1/58

All: 205.953+/-0.018 χ^2/NDF: 34539029.0/11

- sign 206.225+/-0.026 χ^2/NDF: 17563572.3/59



Right In: -0.935+/-6.129 χ^2/NDF: 27.8/33

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -22.468+/-6.559 χ^2/NDF: 66.1/36

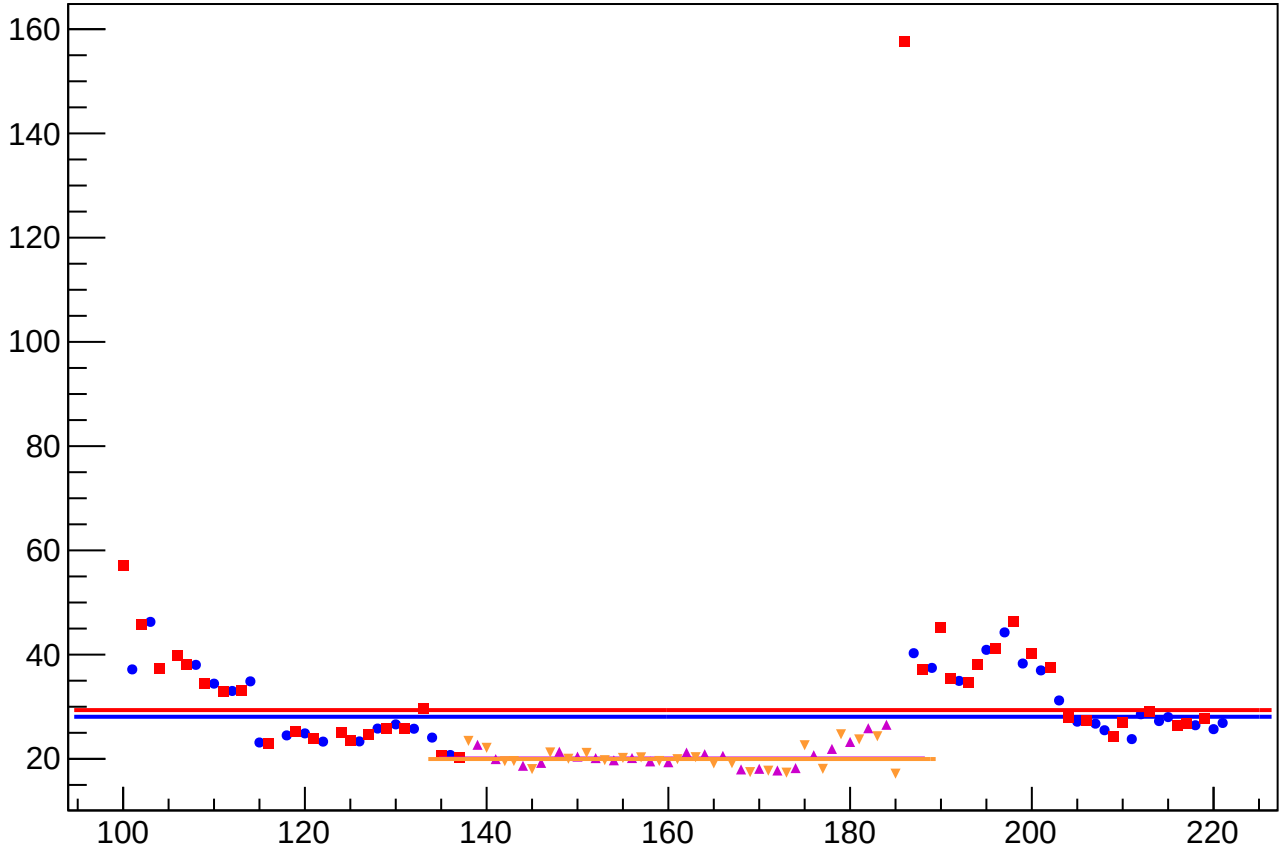
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign 0.253+/-3.666 χ^2/NDF: 57.0/58

All: -0.828+/-2.649 χ^2/NDF: 157.4/118

\- sign -2.011+/-3.833 χ^2/NDF: 100.2/59

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.077+/-0.004 χ^2/NDF: 1644914.8/33

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

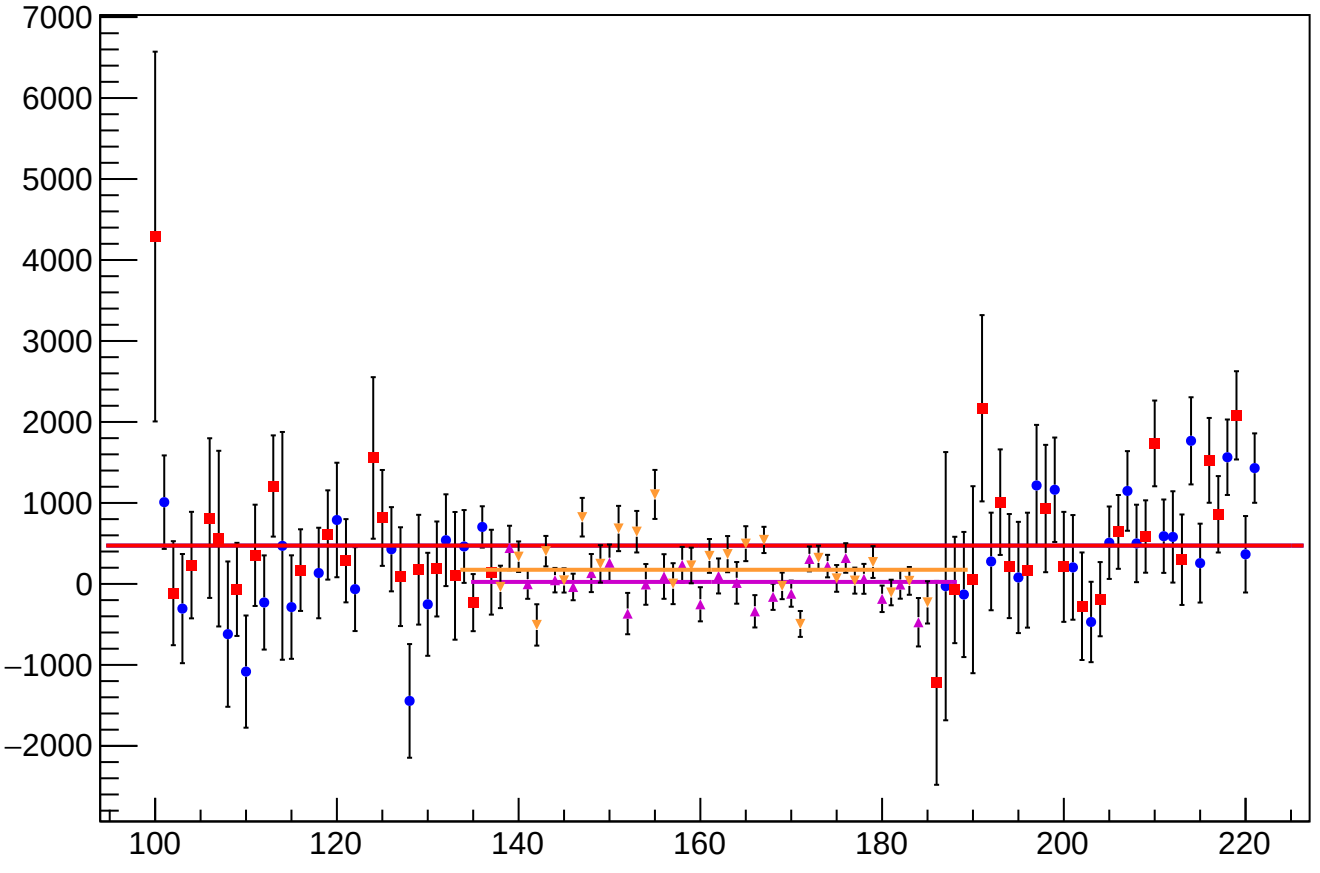
Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.870+/-0.003 χ^2/NDF: 4280467.9/58

All: 23.048+/-0.002 χ^2/NDF: 9619785.7/118

- sign 23.244+/-0.003 χ^2/NDF: 5329351.5/59

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug



Right In: 473.136+/-92.743 χ^2/NDF: 48.4/33

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

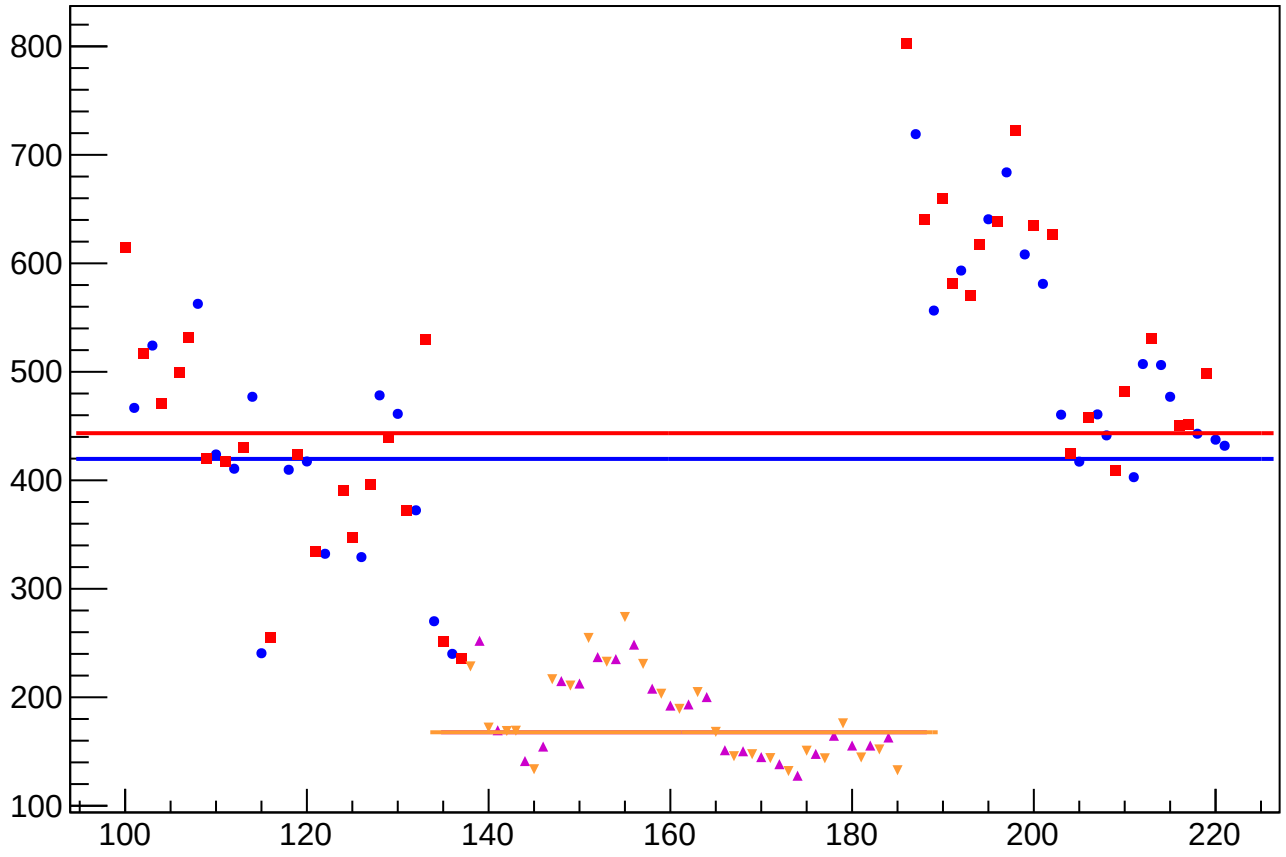
Right Out: 473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 219.631+/-35.989 χ^2/NDF: 128.4/58

All: 155.576+/-25.855 χ^2/NDF: 222.1/118

- sign 87.251+/-37.169 χ^2/NDF: 87.2/59



Right In: 419.727+/-0.066 χ^2/NDF: 2857217.5/33

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

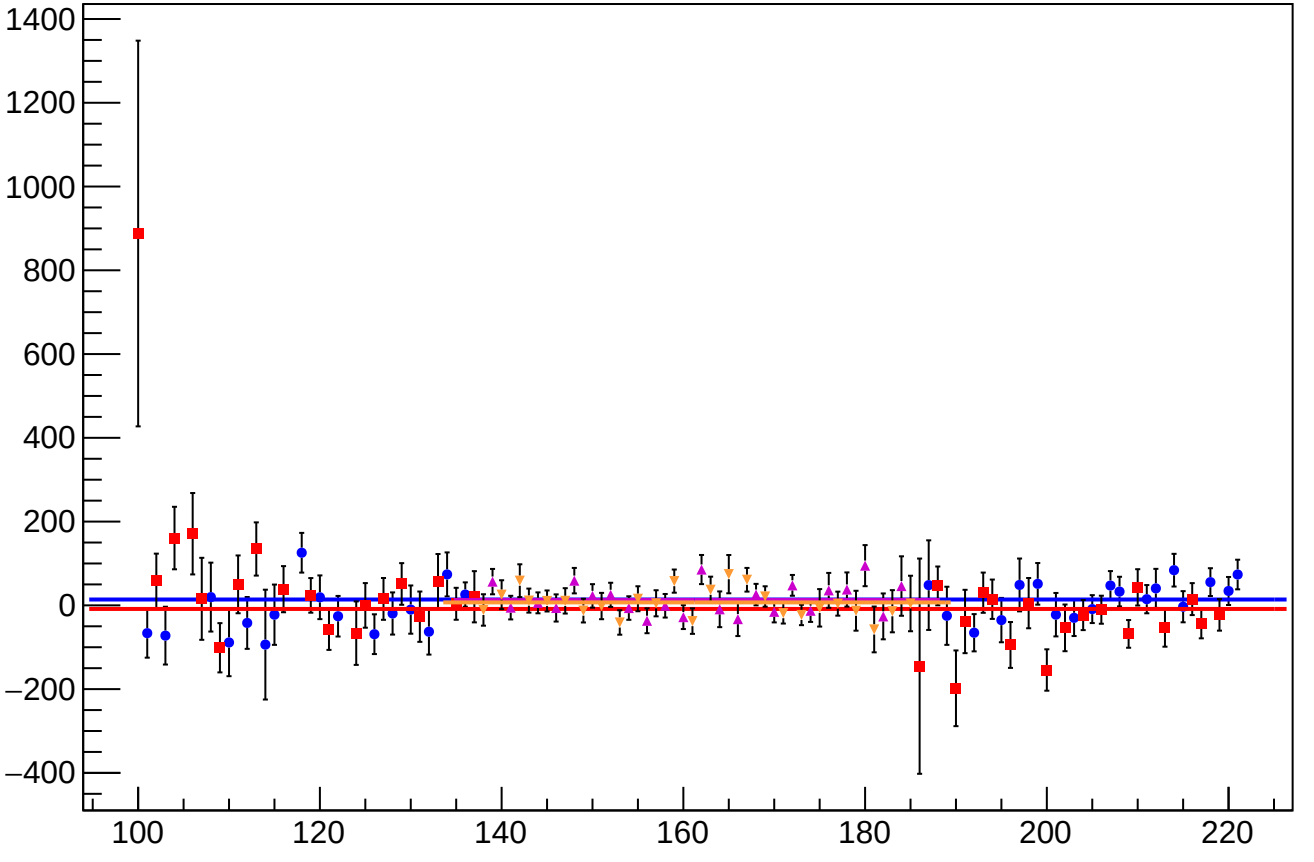
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 205.697+/-0.025 χ^2/NDF: 16975248.1/58

All: 205.953+/-0.018 χ^2/NDF: 34539029.0/11

- sign 206.225+/-0.026 χ^2/NDF: 17563572.3/59

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 13.954+/-7.870 χ^2/NDF: 37.2/33

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -8.579+/-8.357 χ^2/NDF: 54.2/36

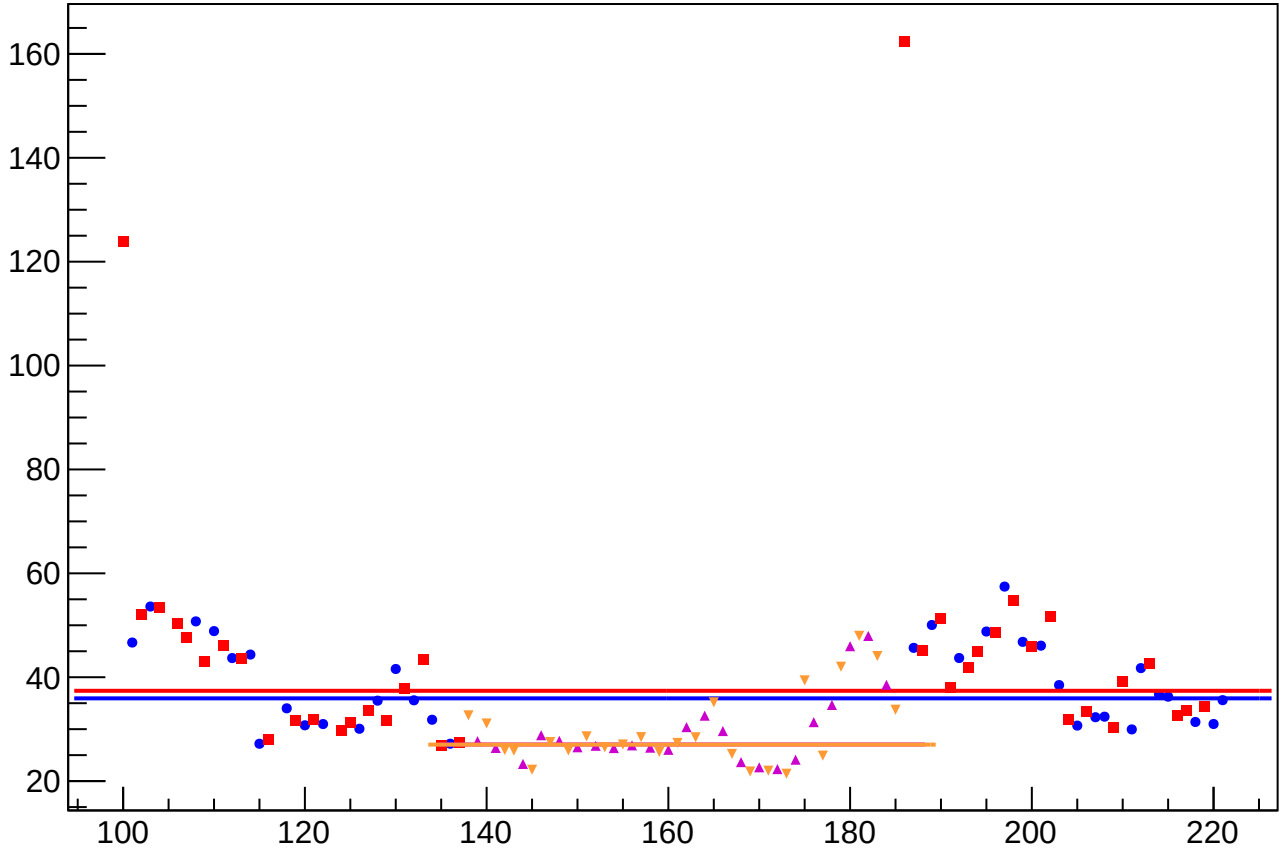
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 9.781+/-4.934 χ^2/NDF: 60.4/58

All: 7.322+/-3.559 χ^2/NDF: 144.7/118

- sign 4.656+/-5.137 χ^2/NDF: 83.8/59

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.930+/-0.006 χ^2/NDF: 1629079.2/33

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

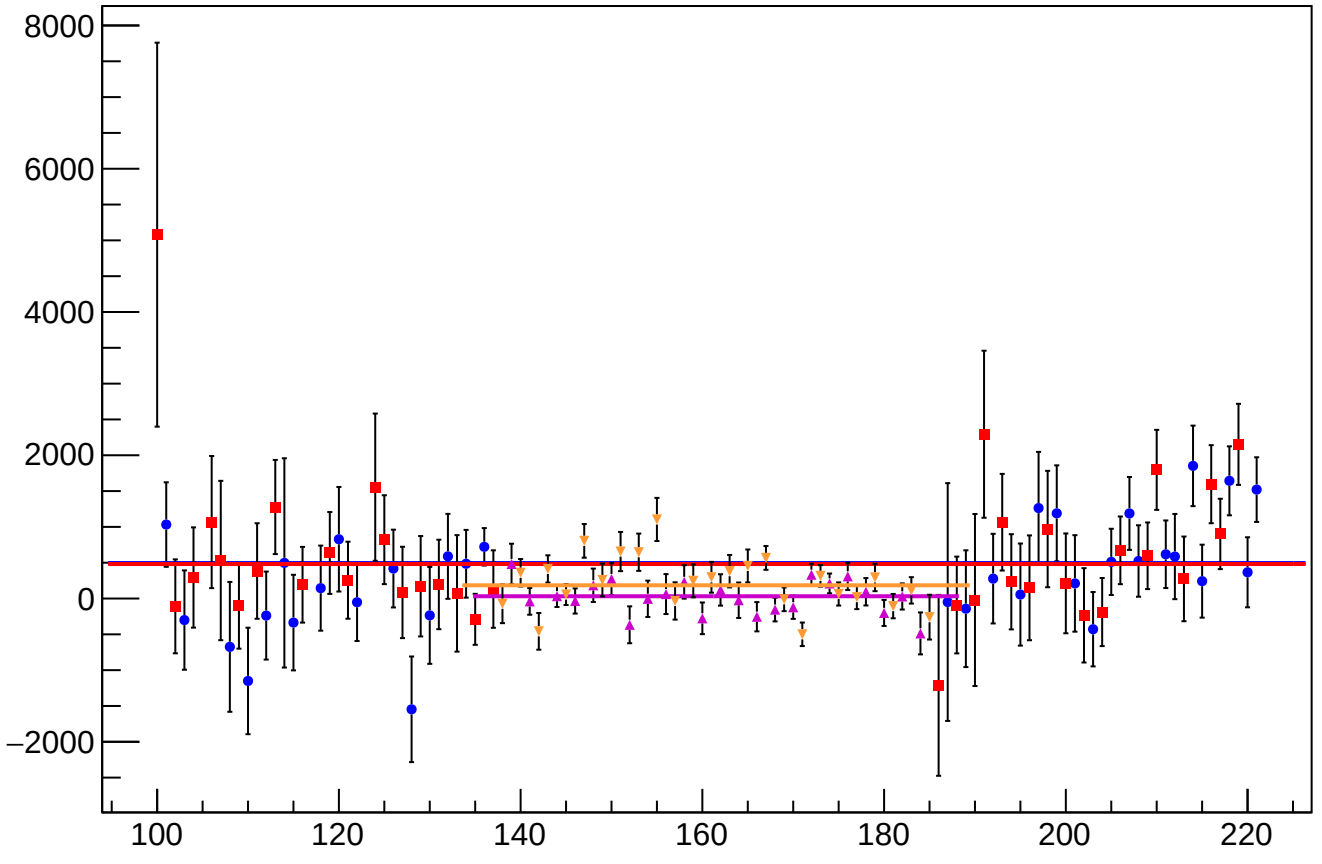
Right Out: 37.387+/-0.006 χ^2/NDF: 2175270.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.526+/-0.003 χ^2/NDF: 4613456.1/58

All: 30.733+/-0.003 χ^2/NDF: 9743450.4/118

- sign 30.958+/-0.004 χ^2/NDF: 5122642.0/59



Right In: 494.854+/-96.545 χ^2/NDF: 48.4/33

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: 481.453+/-103.108 χ^2/NDF: 44.2/36

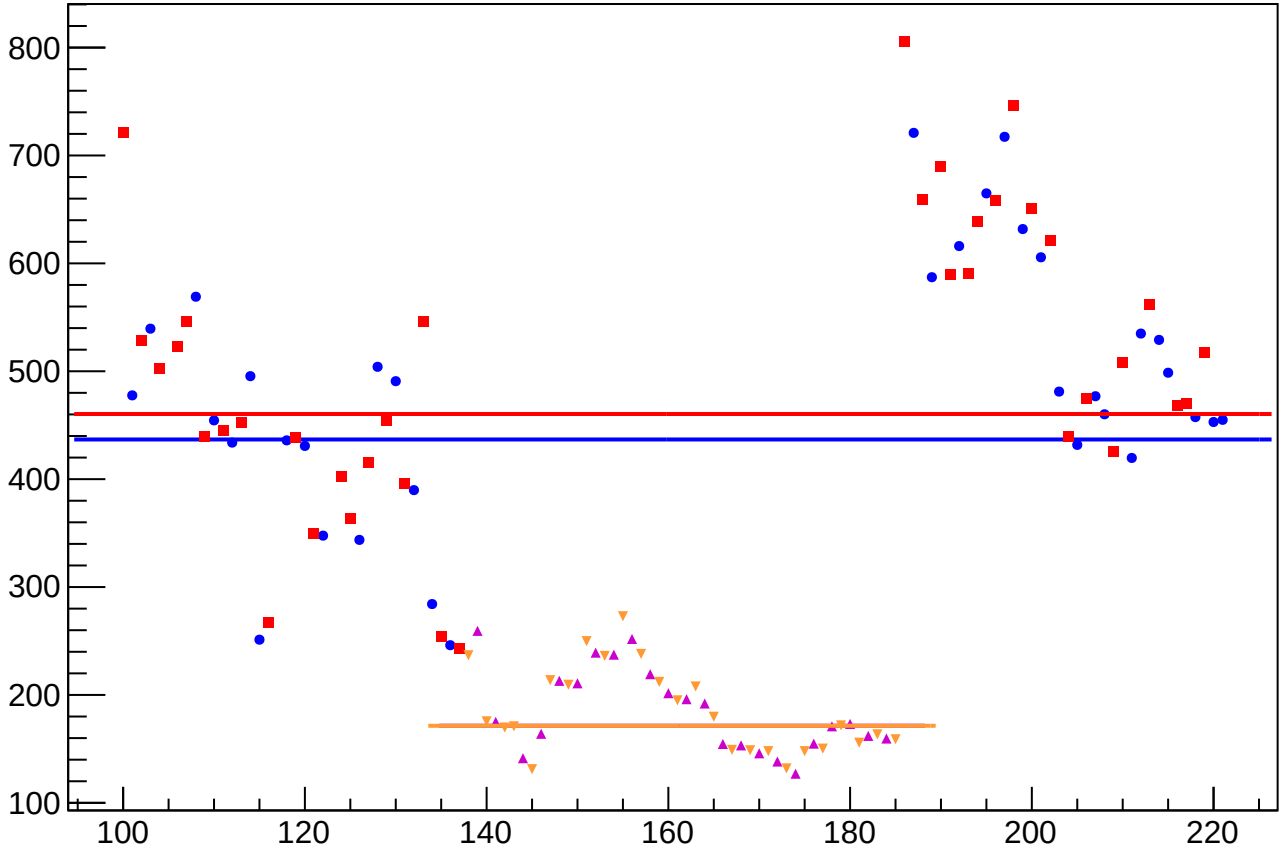
Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 229.793+/-36.821 χ^2/NDF: 124.9/58

All: 163.791+/-26.470 χ^2/NDF: 218.6/118

- sign 93.205+/-38.078 χ^2/NDF: 87.0/59

asym_sam_1357_2468_dd_dit_correction_rms vs Slug



Right In: 436.783+/-0.068 χ^2/NDF: 2909316.4/33

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 460.391+/-0.073 χ^2/NDF: 2942486.9/36

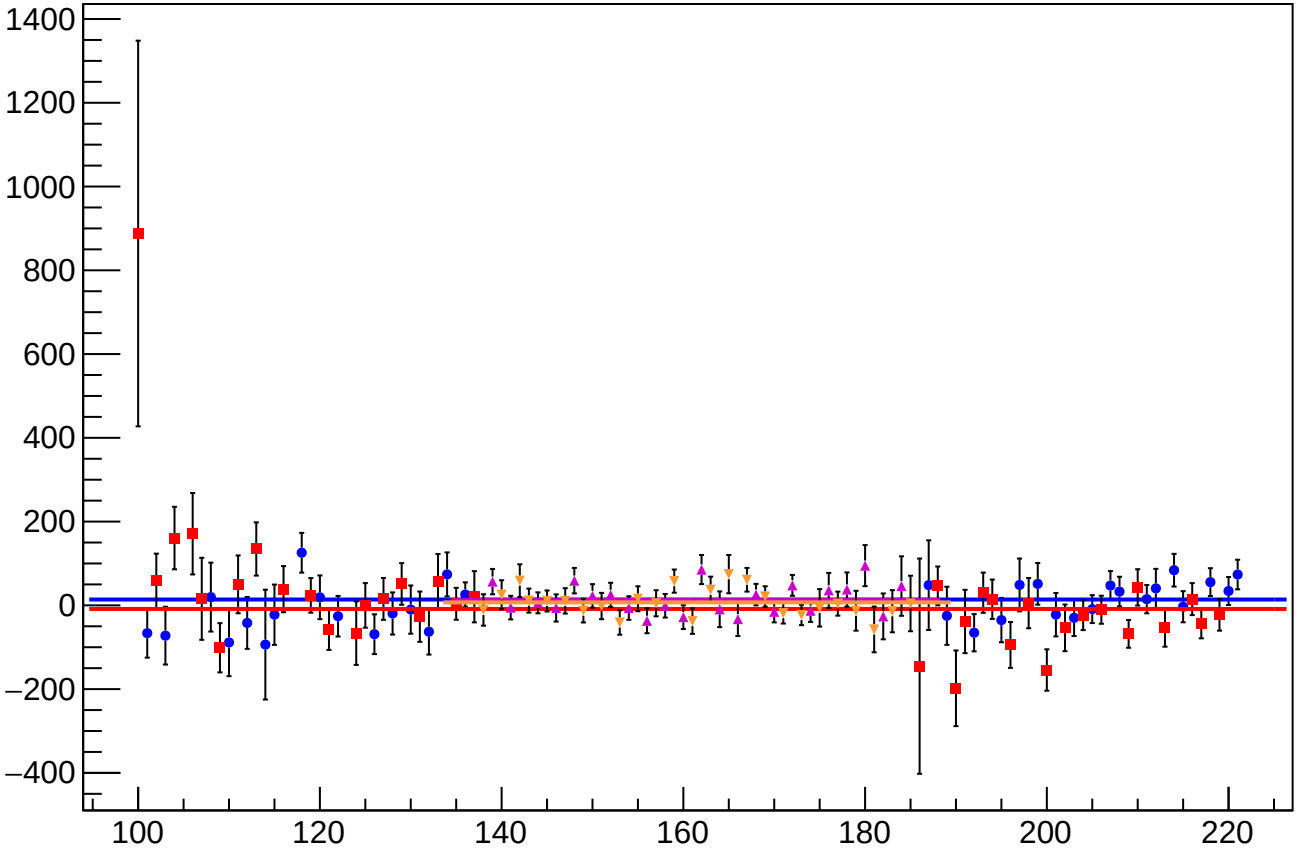
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 210.025+/-0.026 χ^2/NDF: 17347162.4/58

All: 210.444+/-0.019 χ^2/NDF: 35266027.2/11

- sign 210.892+/-0.027 χ^2/NDF: 17918328.7/59

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 13.952+/-7.870 χ^2/NDF: 37.2/33

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -8.580+/-8.357 χ^2/NDF: 54.2/36

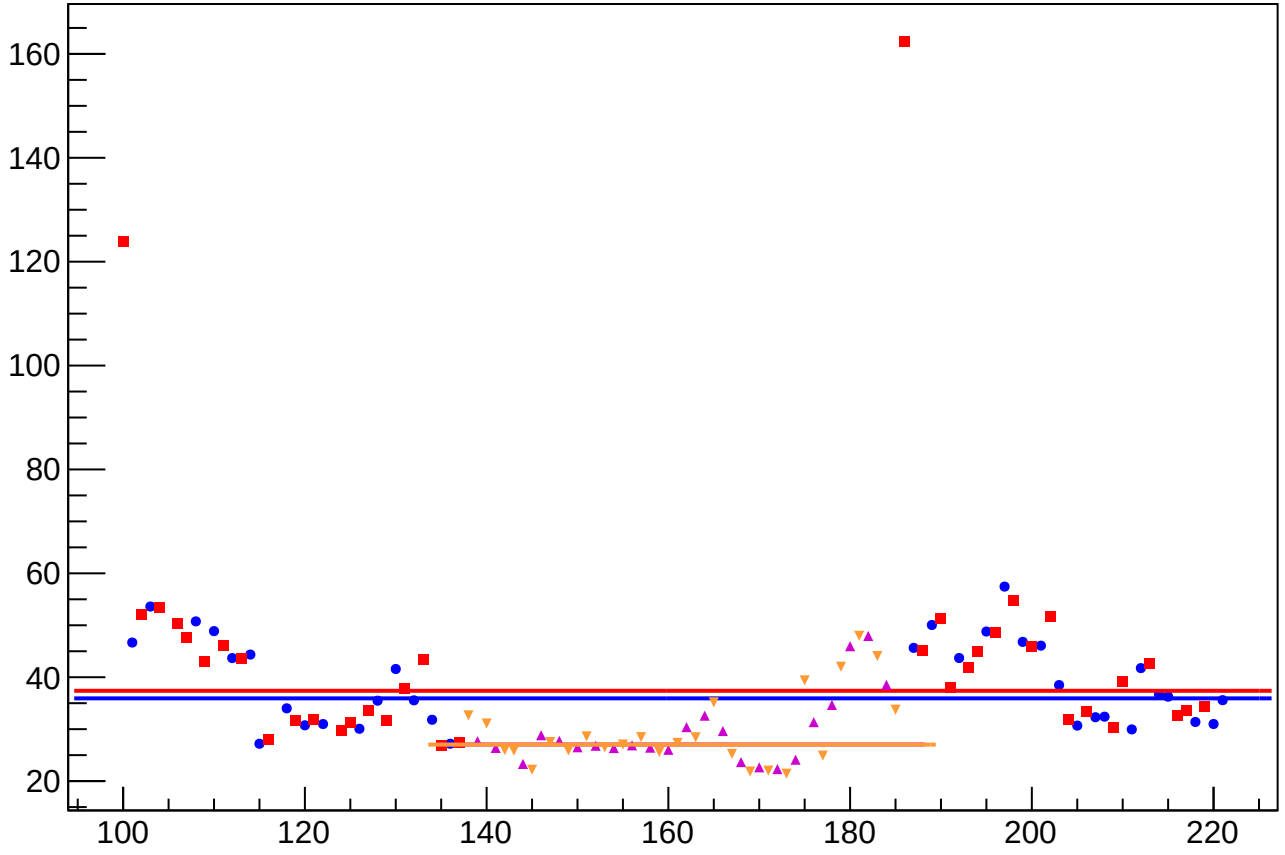
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 9.781+/-4.934 χ^2/NDF: 60.4/58

All: 7.322+/-3.559 χ^2/NDF: 144.7/118

- sign 4.656+/-5.137 χ^2/NDF: 83.8/59

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.930+/-0.006 χ^2/NDF: 1629085.1/33

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

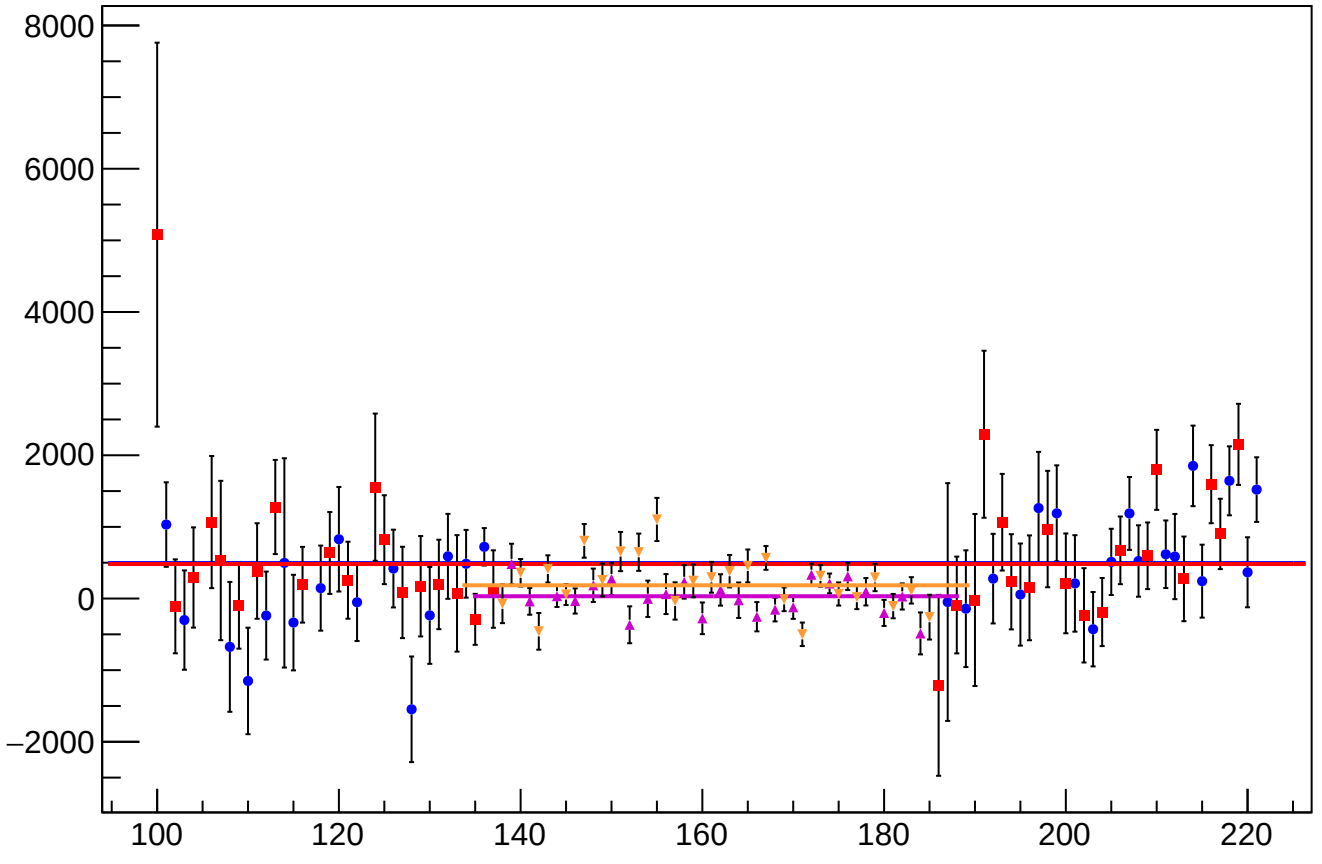
Right Out: 37.387+/-0.006 χ^2/NDF: 2175244.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.526+/-0.003 χ^2/NDF: 4613329.8/58

All: 30.733+/-0.003 χ^2/NDF: 9743217.1/118

- sign 30.958+/-0.004 χ^2/NDF: 5122533.2/59



Right In: 494.852+/-96.545 χ^2/NDF: 48.4/33

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

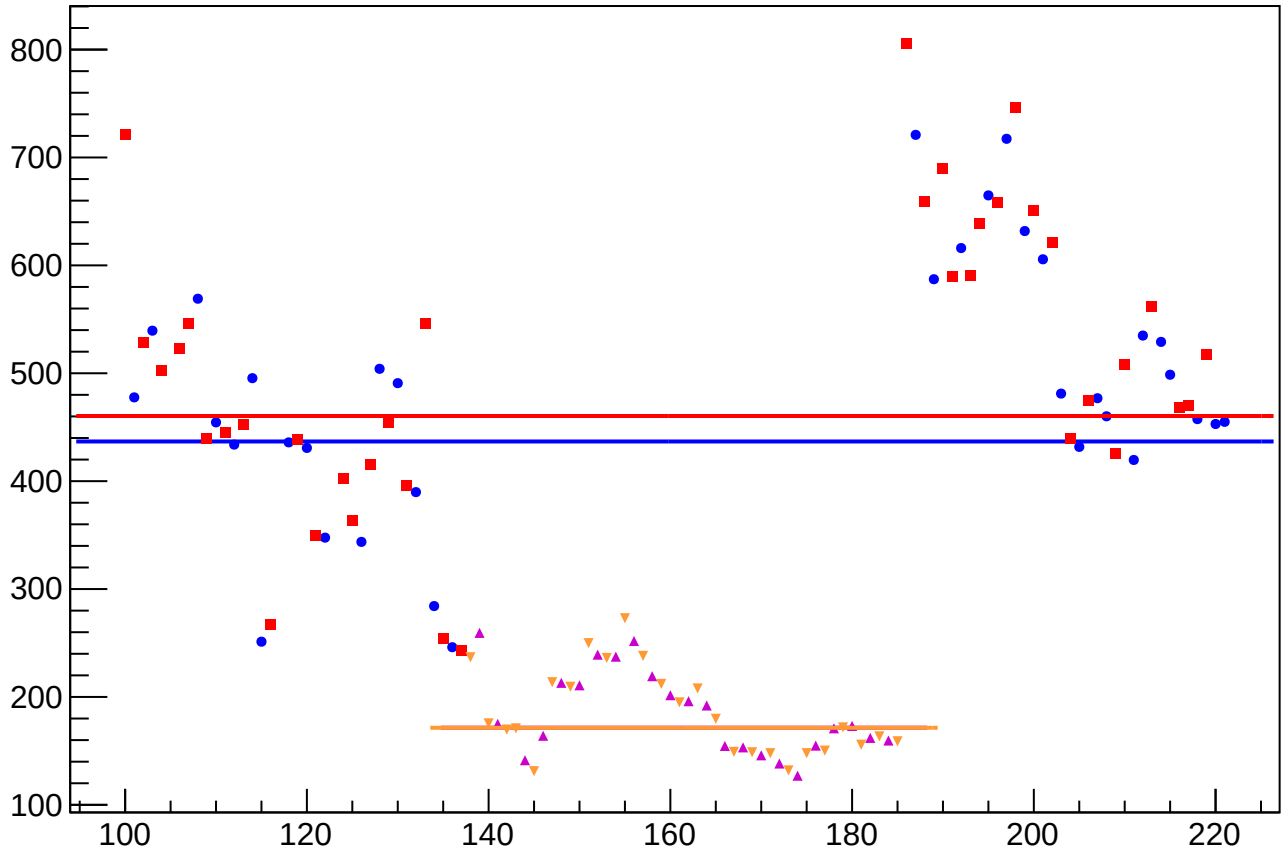
Right Out: 481.452+/-103.108 χ^2/NDF: 44.2/36

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 229.791+/-36.821 χ^2/NDF: 124.9/58

All: 163.790+/-26.470 χ^2/NDF: 218.6/118

- sign 93.205+/-38.078 χ^2/NDF: 87.0/59



Right In: 436.782+/-0.068 χ^2/NDF: 2909324.3/33

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 460.390+/-0.073 χ^2/NDF: 2942497.3/36

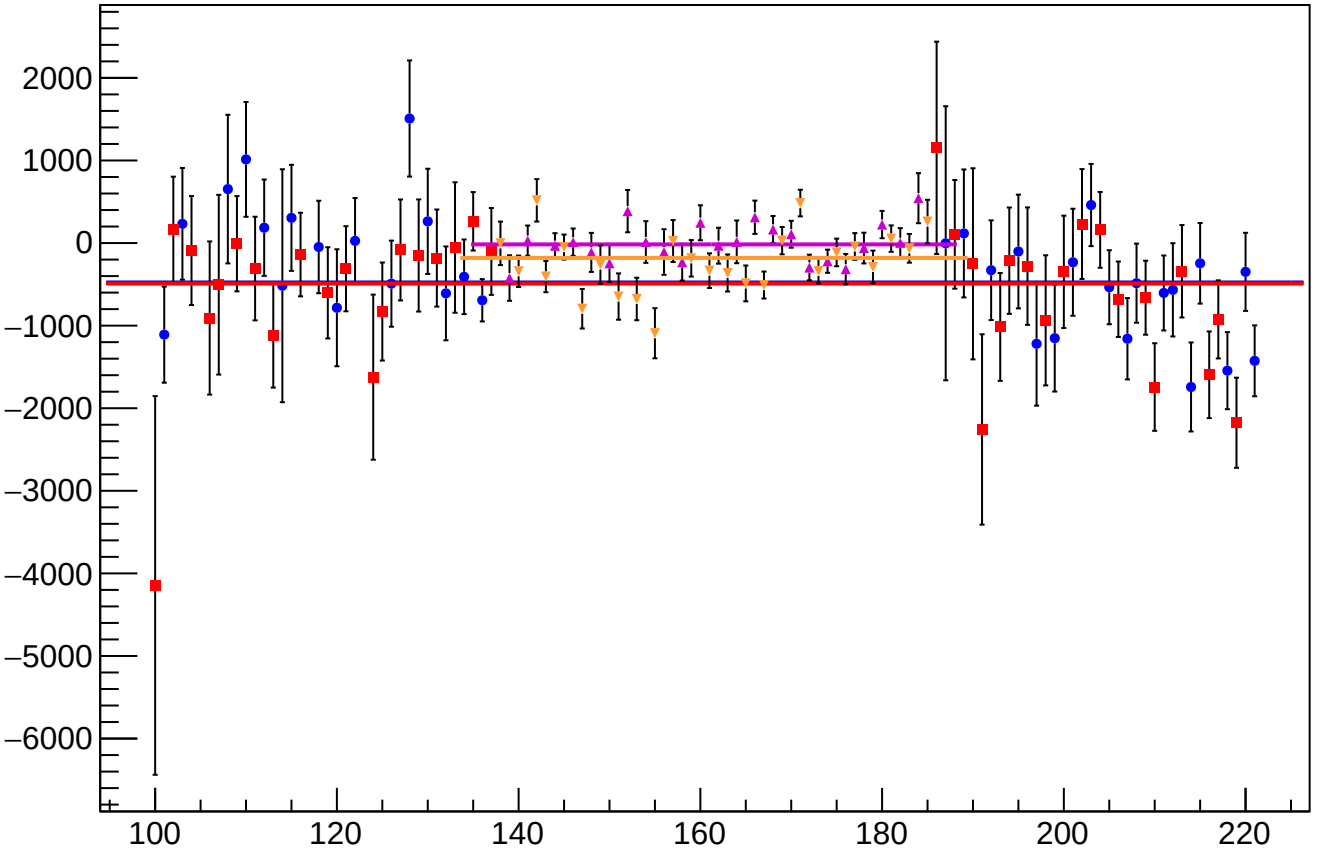
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 210.024+/-0.026 χ^2/NDF: 17347212.7/58

All: 210.443+/-0.019 χ^2/NDF: 35266145.3/11

- sign 210.891+/-0.027 χ^2/NDF: 17918396.6/59

asym_sam_1357_2468_dd_mean vs Slug



Right In: -477.479+/-92.995 χ^2/NDF: 47.8/33

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -490.062+/-99.682 χ^2/NDF: 44.6/36

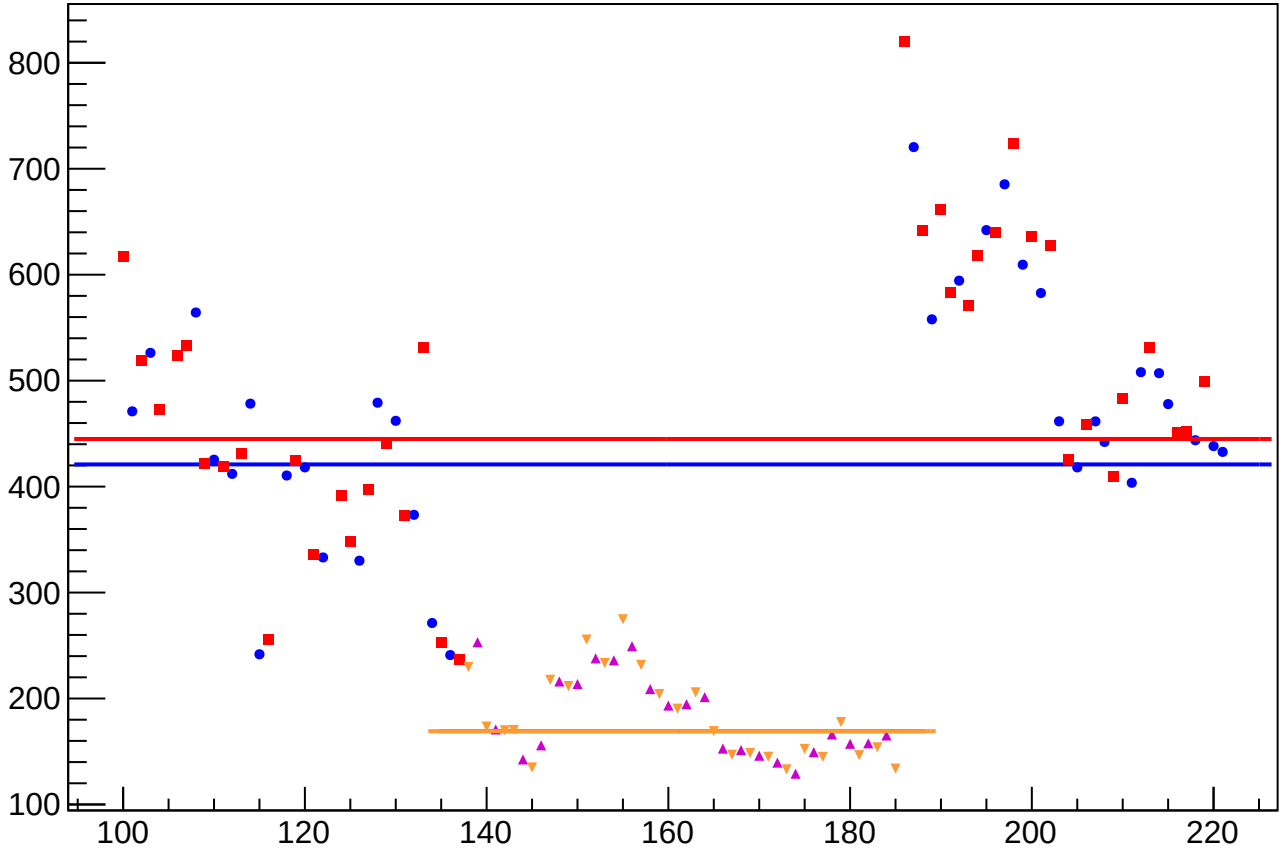
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -224.909+/-36.250 χ^2/NDF: 123.6/58

All: -156.205+/-26.043 χ^2/NDF: 221.7/118

- sign -82.920+/-37.439 χ^2/NDF: 90.7/59

asym_sam_1357_2468_dd_rms vs Slug



Right In: 420.941+/-0.066 χ^2/NDF: 2845178.3/33

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

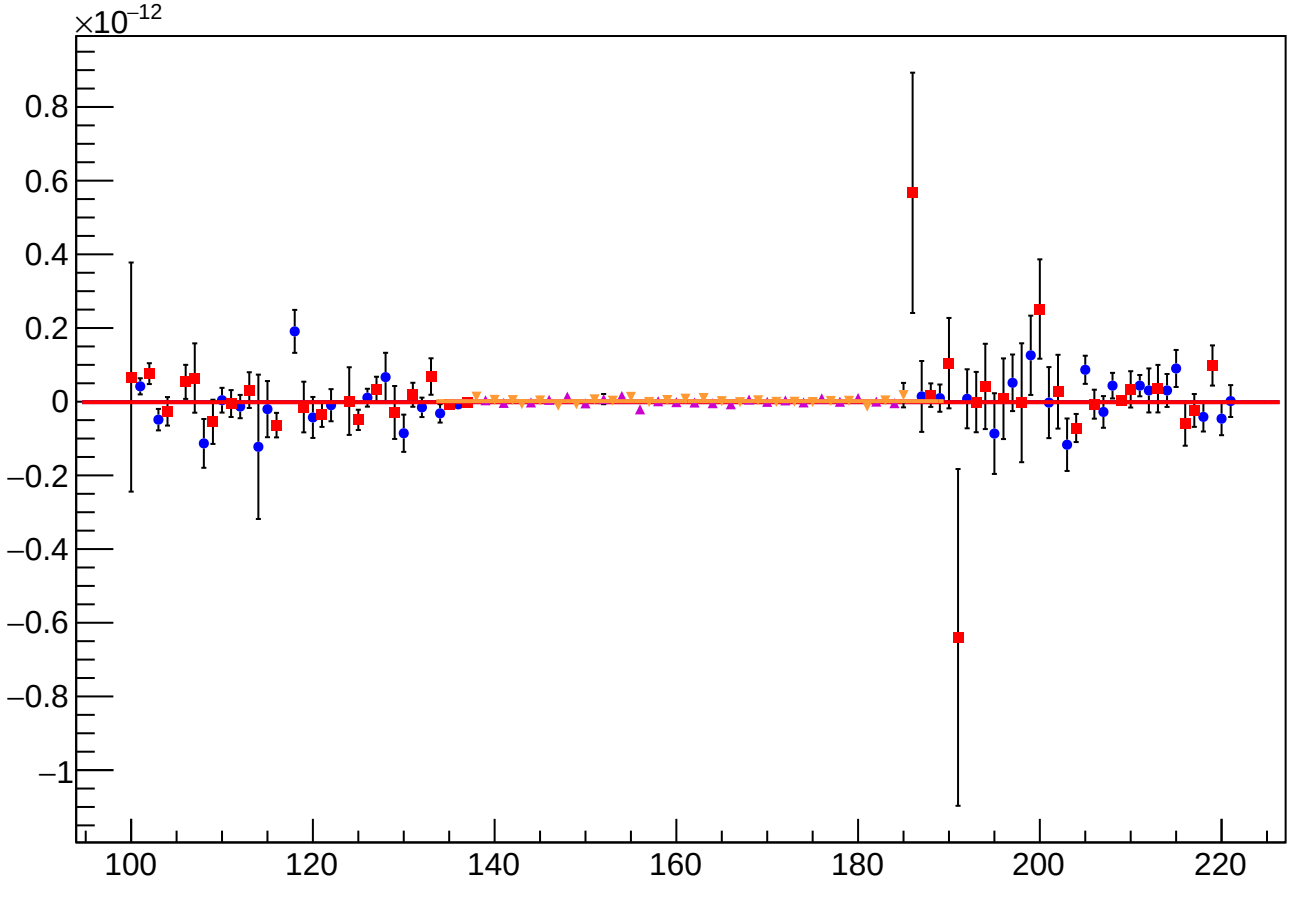
Right Out: 444.953+/-0.070 χ^2/NDF: 2953028.6/36

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 207.436+/-0.026 χ^2/NDF: 16824031.6/58

All: 207.751+/-0.018 χ^2/NDF: 34299117.9/11

- sign 208.087+/-0.026 χ^2/NDF: 17474774.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/33

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

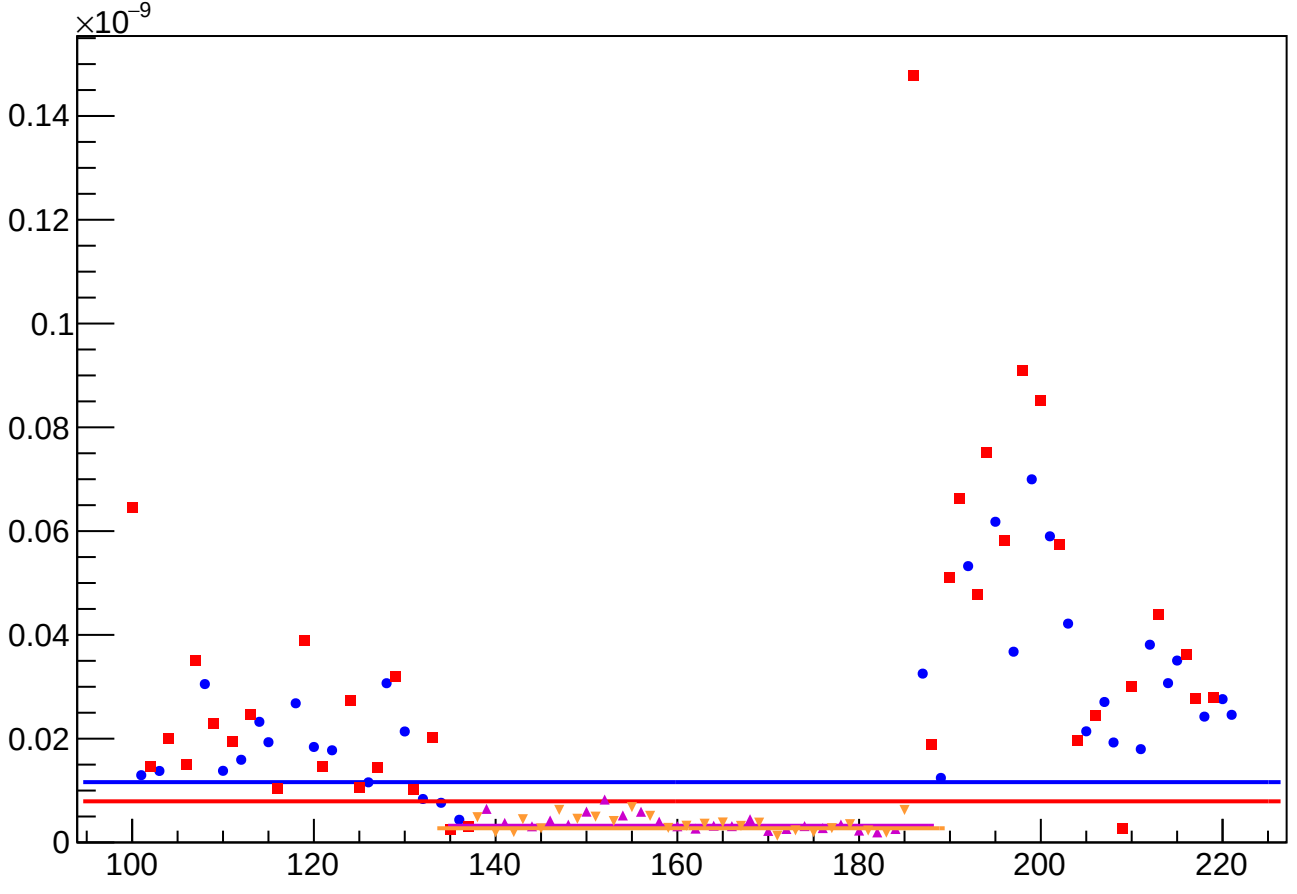
Right Out: -0.000+/-0.000 χ^2/NDF: 42.3/36

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/58

All: 0.000+/-0.000 χ^2/NDF: 130.4/118

- sign 0.000+/-0.000 χ^2/NDF: 62.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 7882032.8/33

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

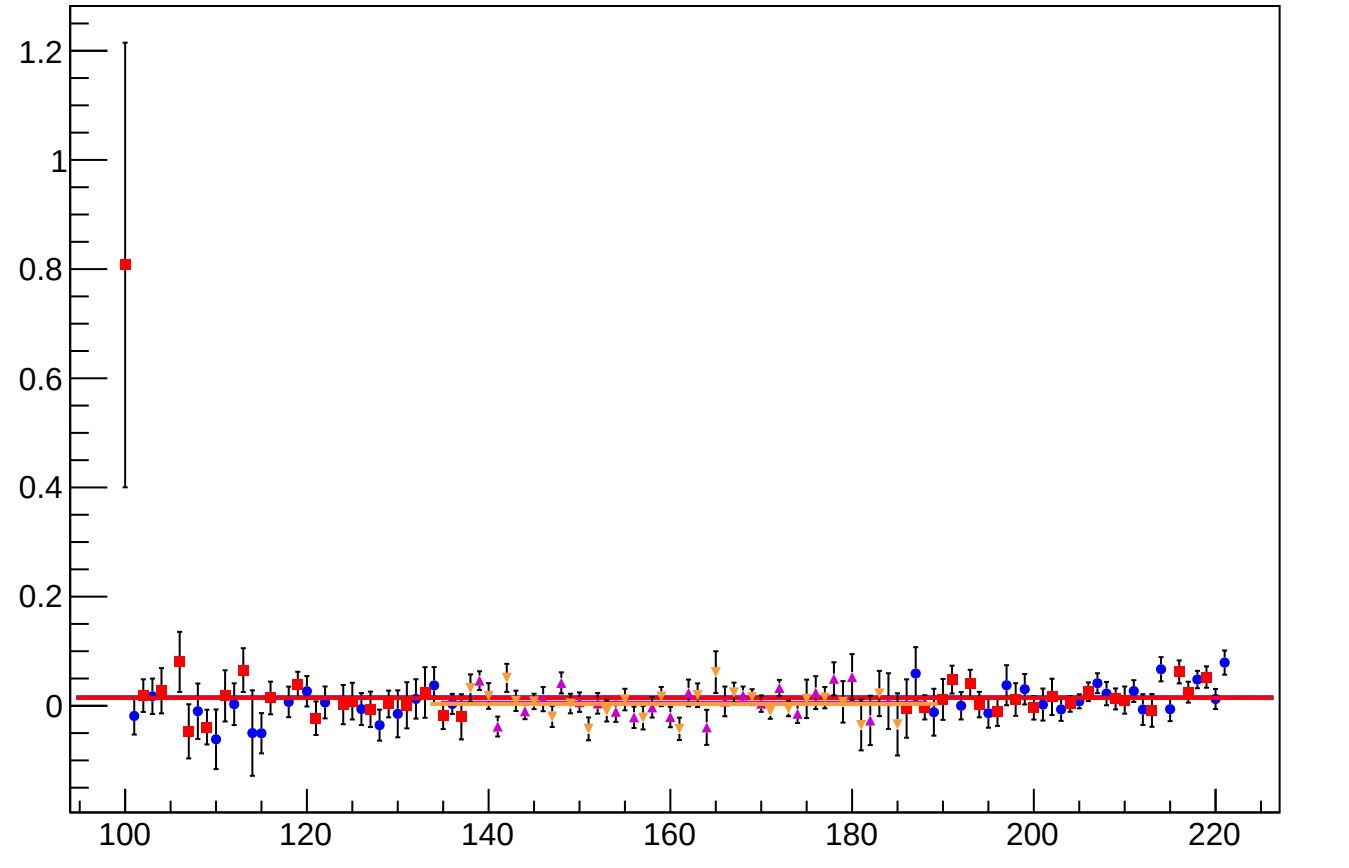
Right Out: 0.000+/-0.000 χ^2/NDF: 10967878.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15607719.0/58

All: 0.000+/-0.000 χ^2/NDF: 30060464.3/118

- sign 0.000+/-0.000 χ^2/NDF: 14331196.9/59



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

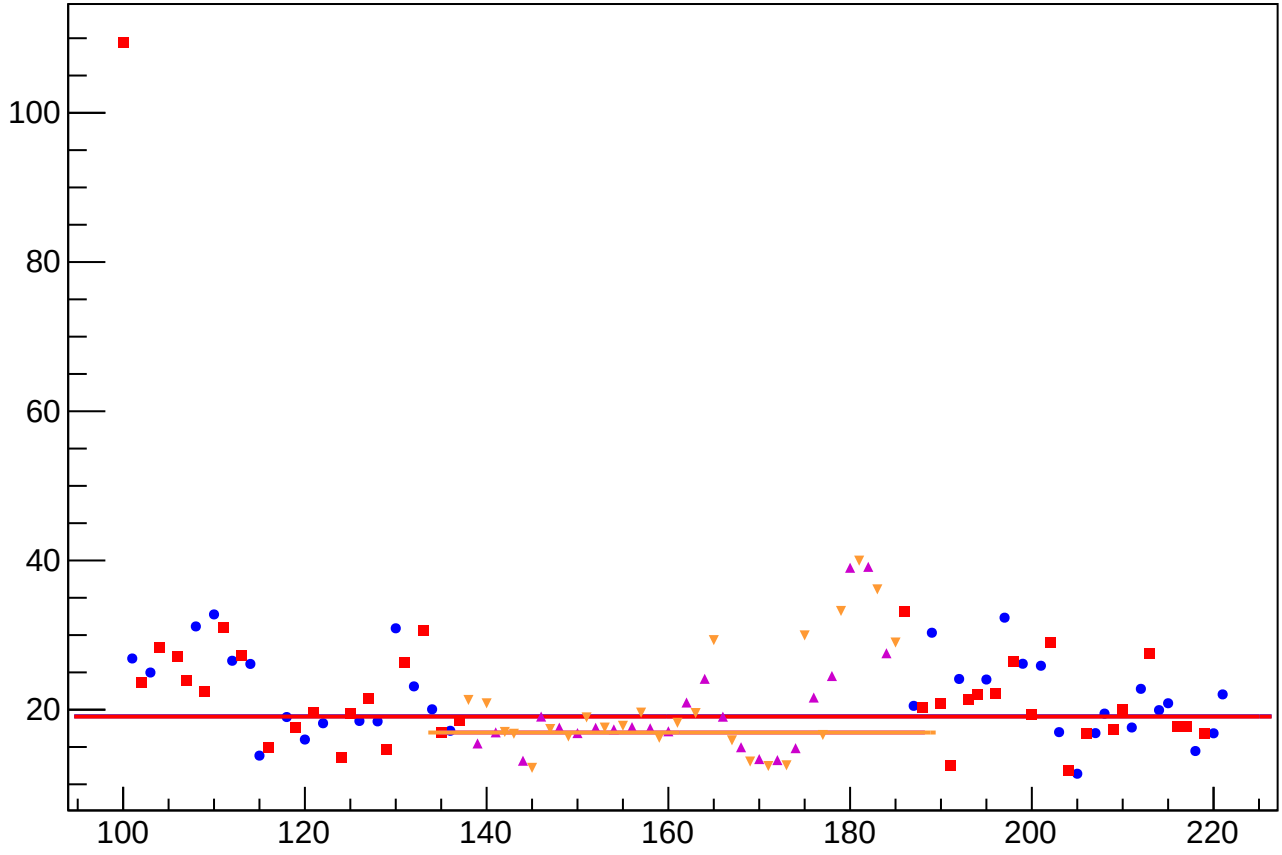
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.009+/-0.002 χ^2/NDF: 139.9/118

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.114+/-0.003 χ^2/NDF: 2607930.2/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

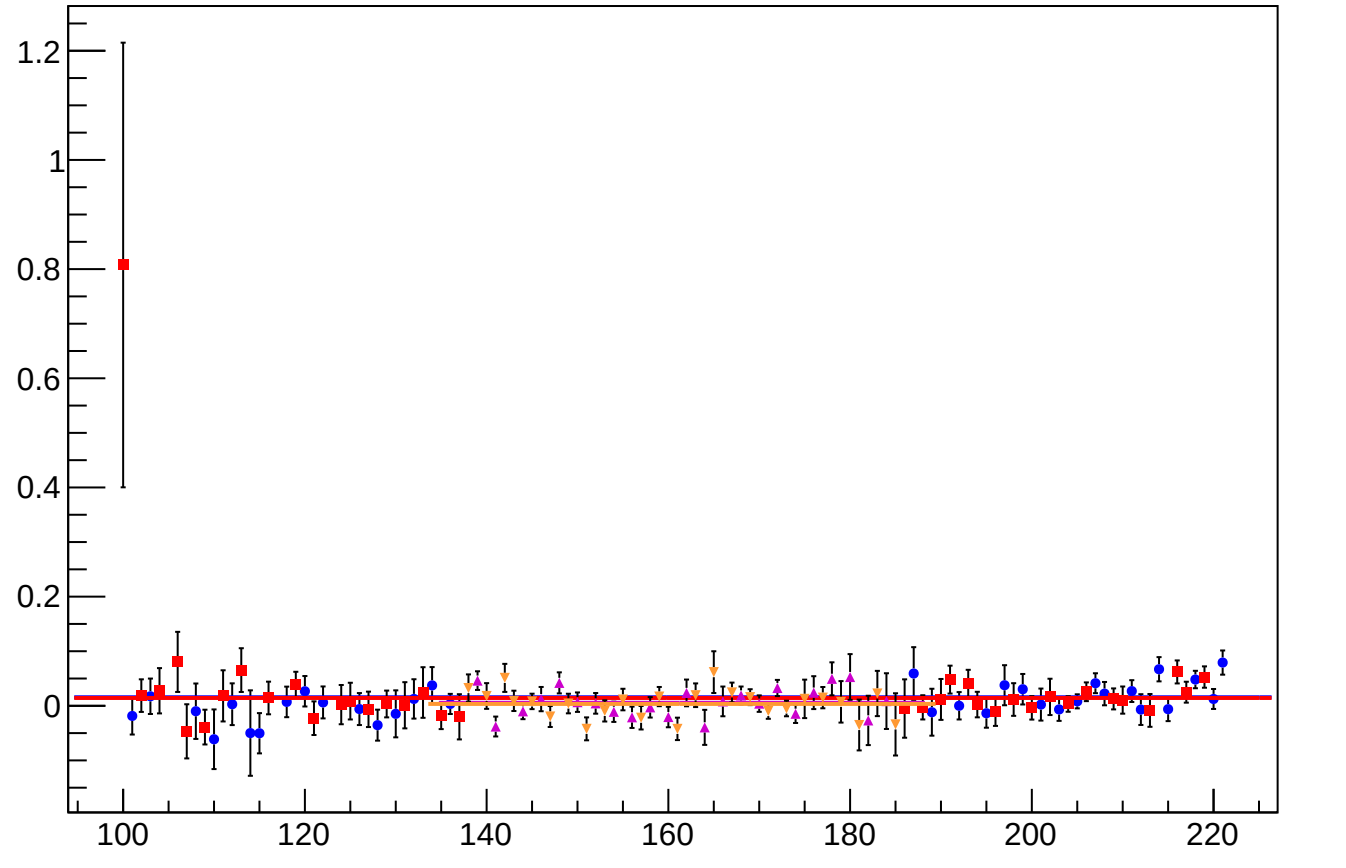
Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.960+/-0.002 χ^2/NDF: 5710325.0/58

All: 17.956+/-0.002 χ^2/NDF: 10235514.0/118

- sign 17.953+/-0.002 χ^2/NDF: 4525183.4/59



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

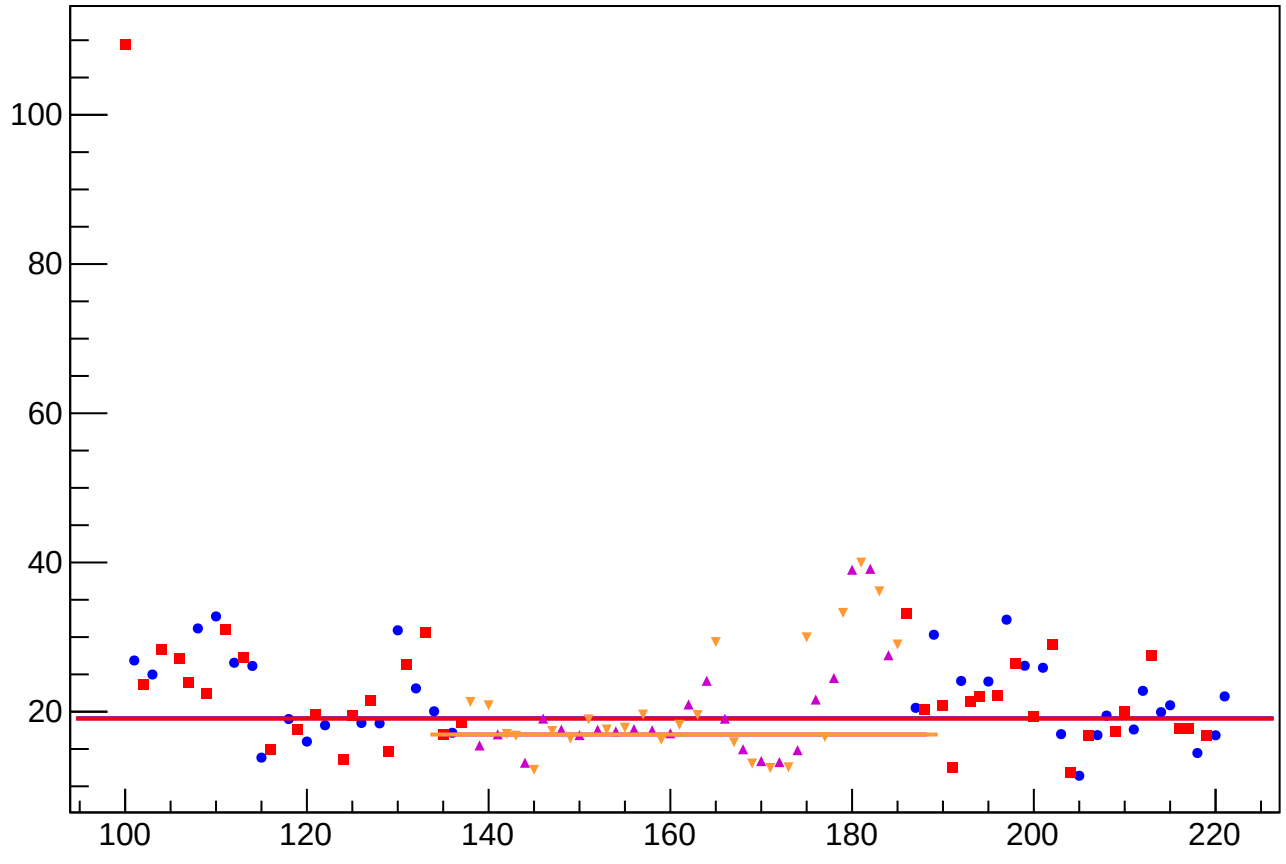
Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.009+/-0.002 χ^2/NDF: 139.9/118

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59



Right In: 19.114+/-0.003 χ^2/NDF: 2607930.2/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

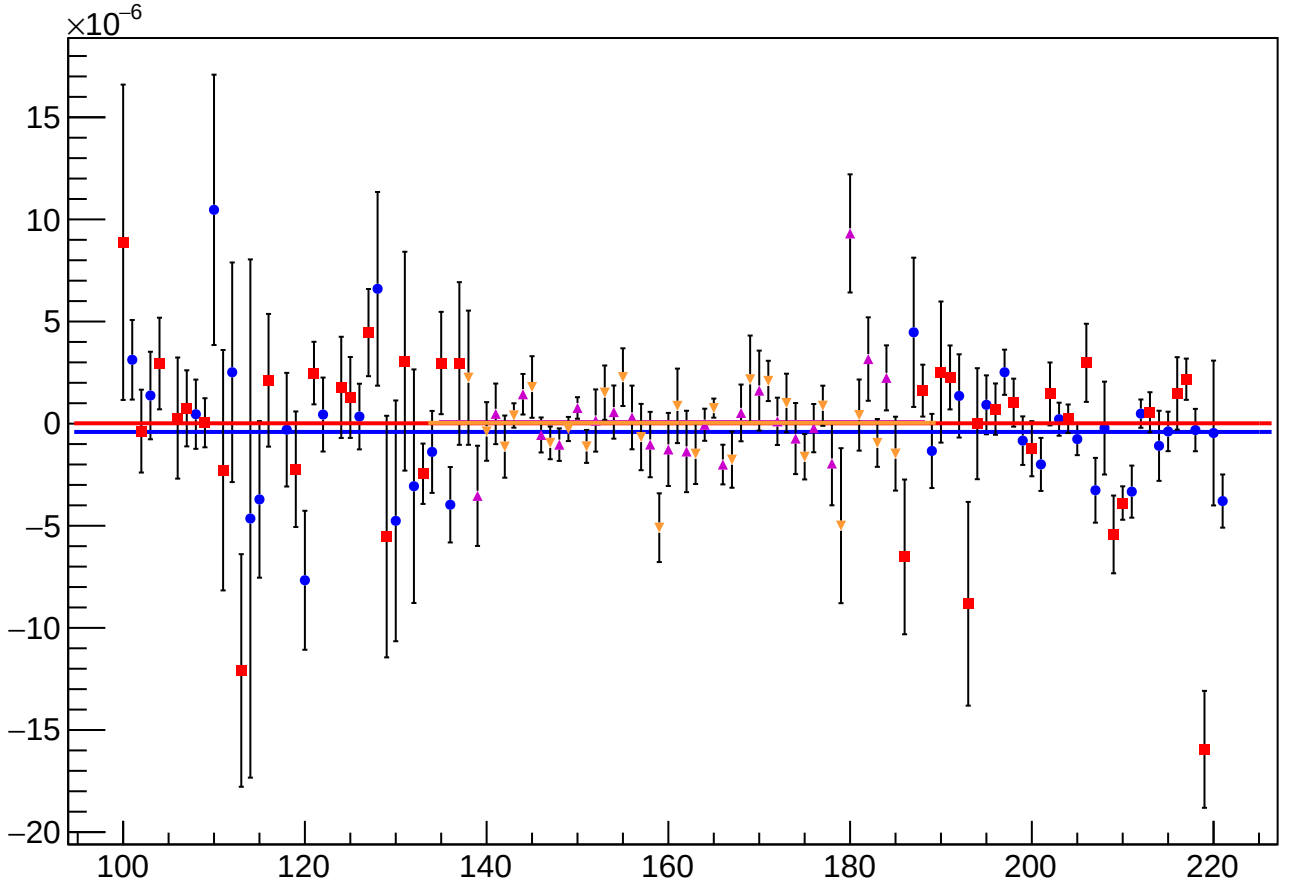
Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

\+ sign 17.960+/-0.002 χ^2/NDF: 5710325.0/58

All: 17.956+/-0.002 χ^2/NDF: 10235514.0/118

\- sign 17.953+/-0.002 χ^2/NDF: 4525183.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 50.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

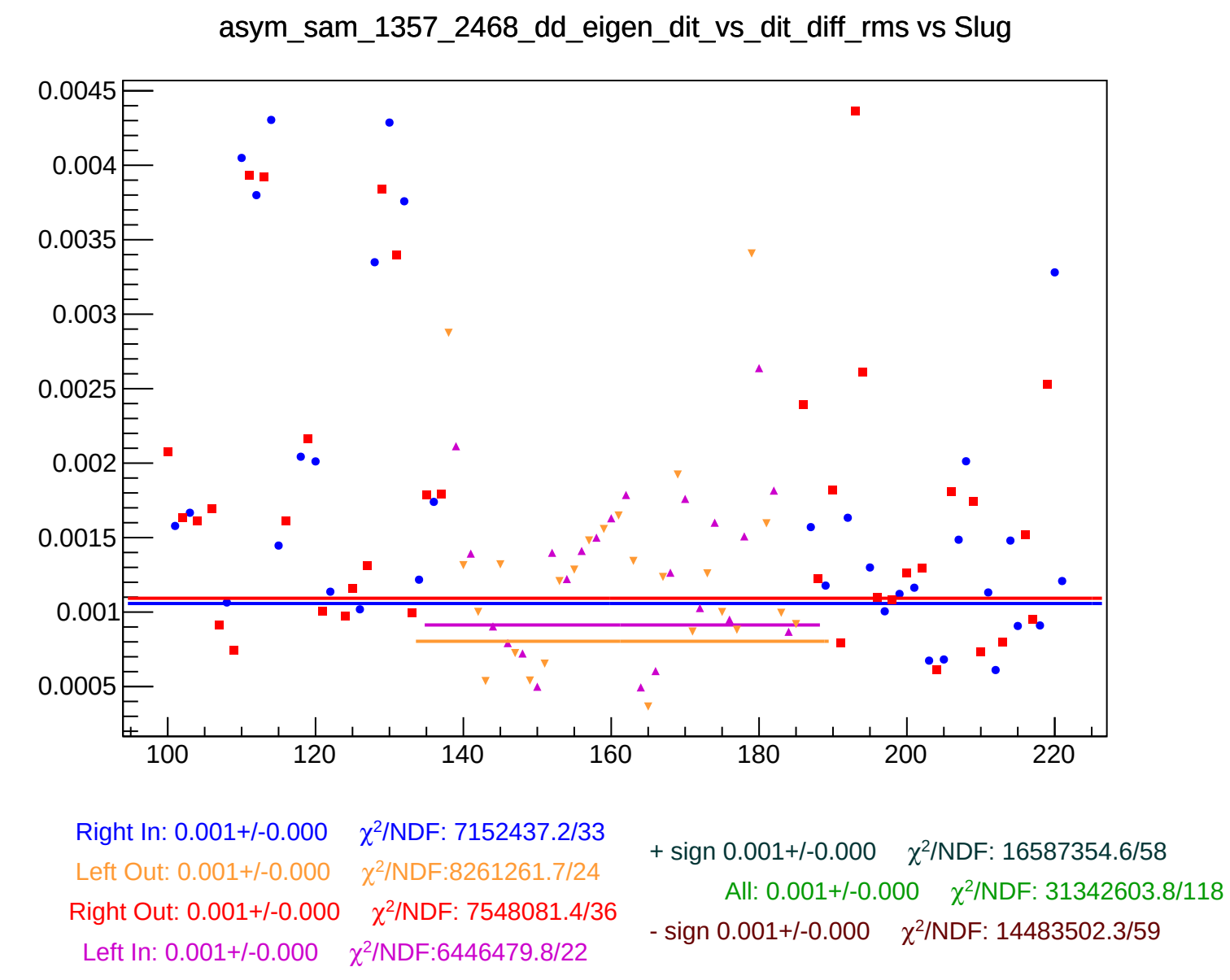
Right Out: 0.000+/-0.000 χ^2/NDF: 105.8/36

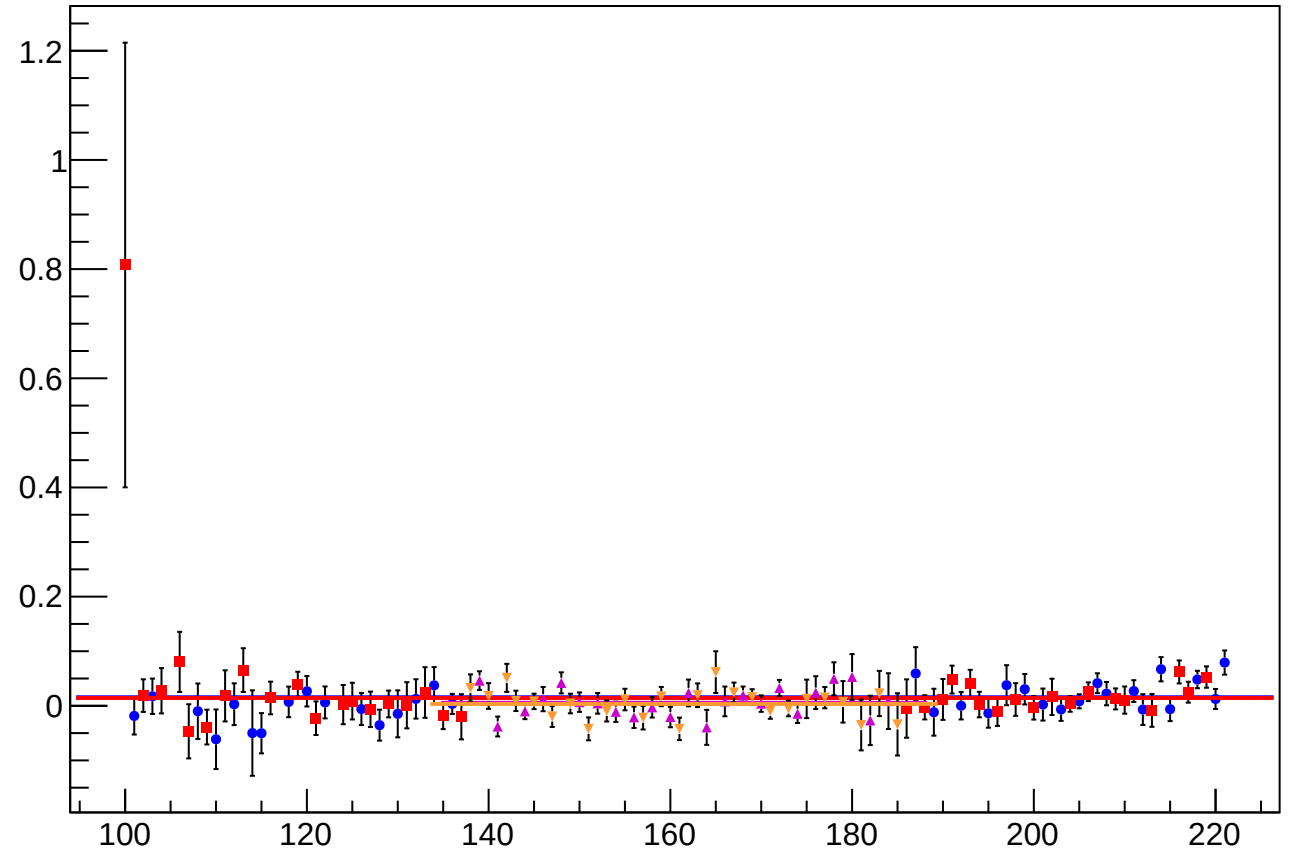
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.1/58

All: -0.000+/-0.000 χ^2/NDF: 226.6/118

- sign 0.000+/-0.000 χ^2/NDF: 136.8/59


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
220
Right In: 0.001+/-0.000 χ²/NDF: 7152437.2/33
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7548081.4/36
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 16587354.6/58
All: 0.001+/-0.000 χ²/NDF: 31342603.8/118
- sign 0.001+/-0.000 χ²/NDF: 14483502.3/59



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

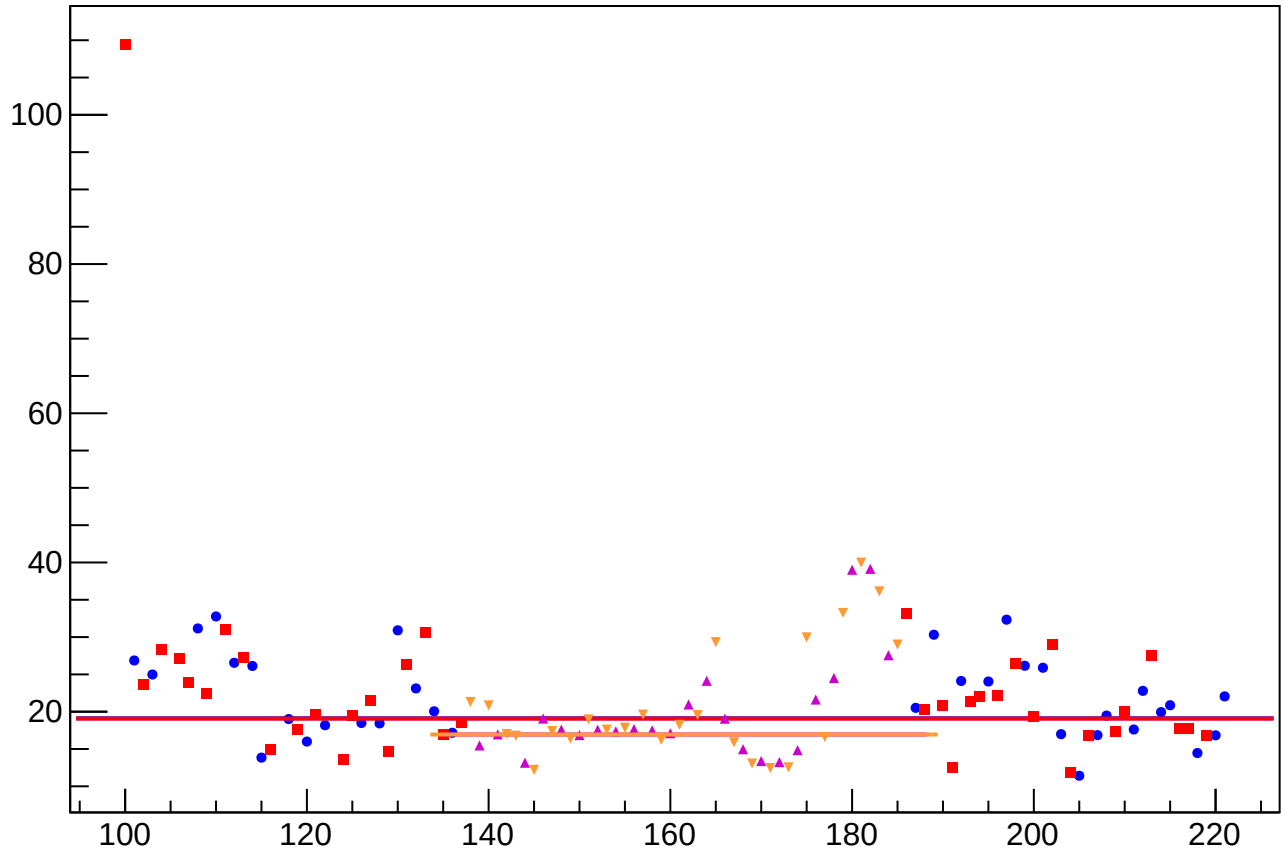
Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.009+/-0.002 χ^2/NDF: 139.9/118

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59



Right In: 19.114+/-0.003 χ^2/NDF: 2608032.5/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

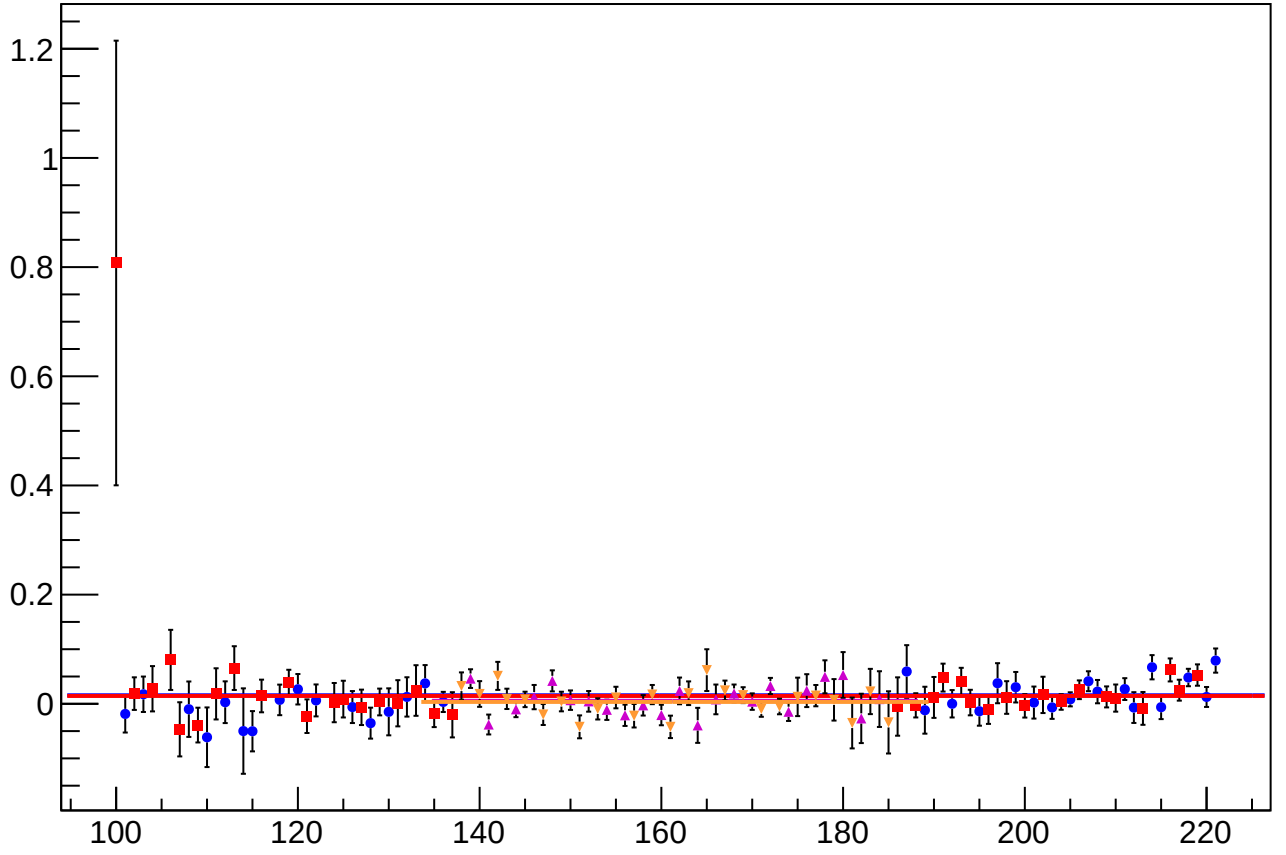
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.960+/-0.002 χ^2/NDF: 5710253.4/58

All: 17.956+/-0.002 χ^2/NDF: 10235398.6/118

\- sign 17.953+/-0.002 χ^2/NDF: 4525139.8/59

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.004 χ^2/NDF: 39.7/33

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

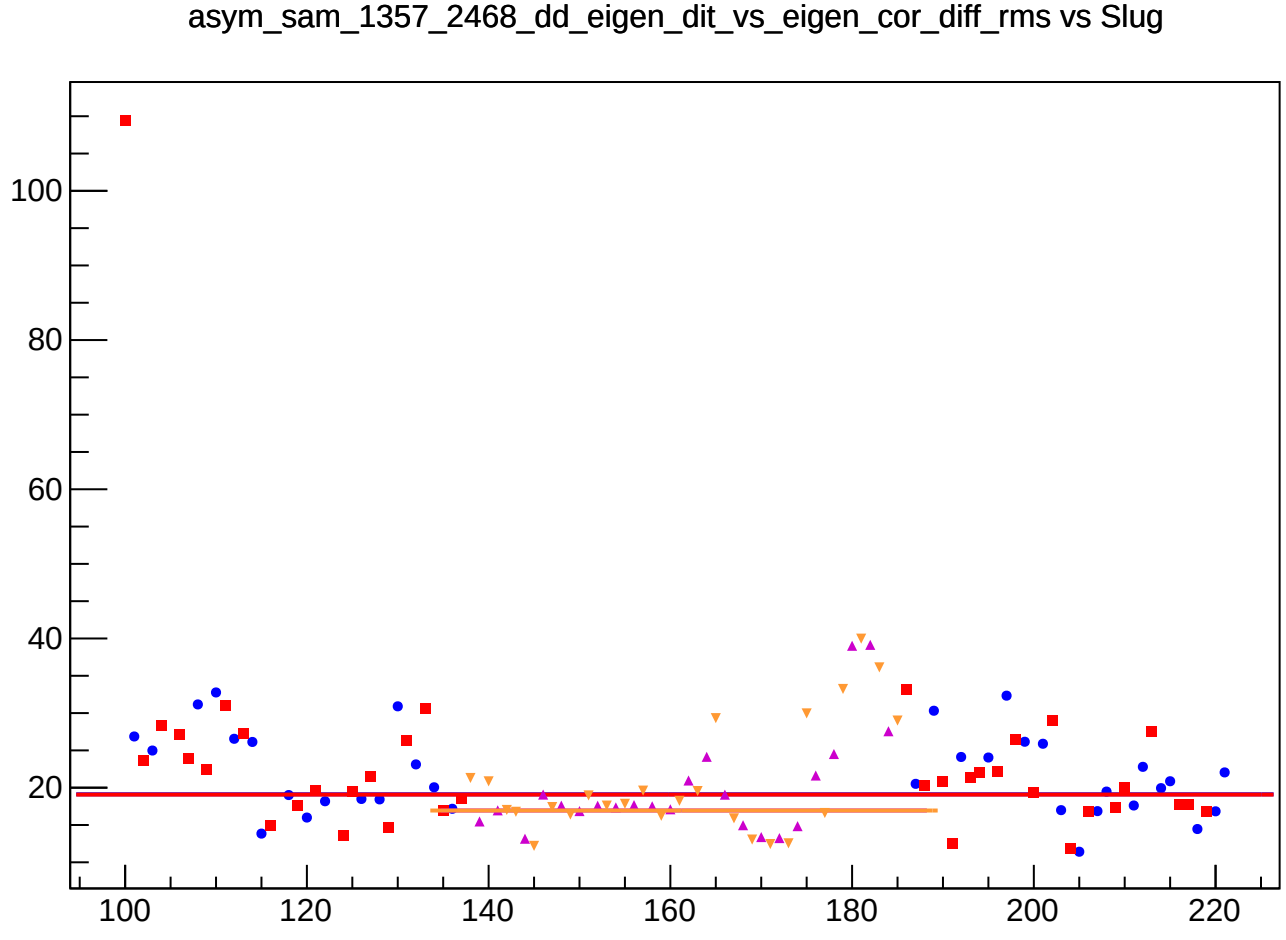
Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 70.8/58

All: 0.009+/-0.002 χ^2/NDF: 139.9/118

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59



Right In: 19.114+/-0.003 χ^2/NDF: 2608032.5/33

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

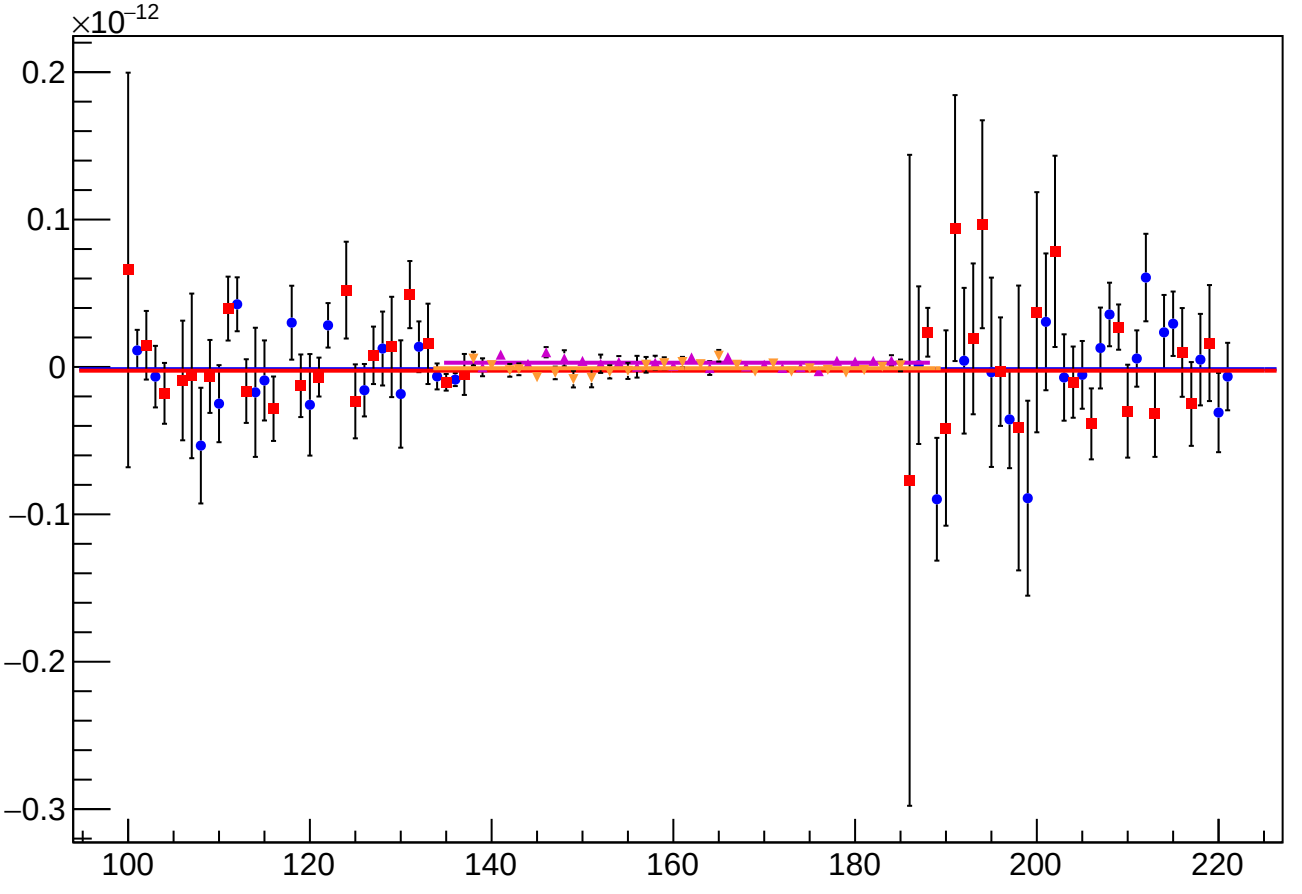
Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.960+/-0.002 χ^2/NDF: 5710253.4/58

All: 17.956+/-0.002 χ^2/NDF: 10235398.6/118

\- sign 17.953+/-0.002 χ^2/NDF: 4525139.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 40.1/33

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

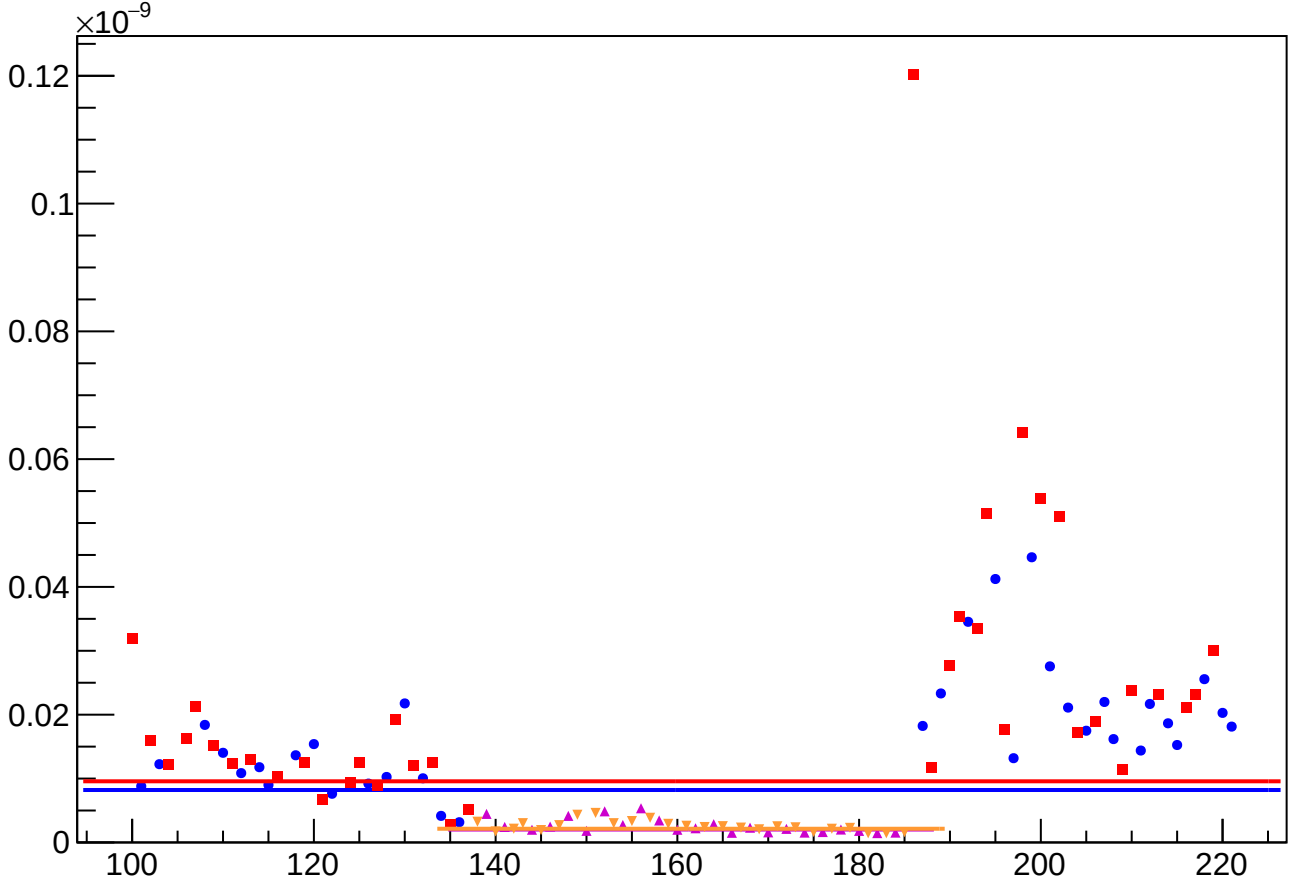
Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/58

All: 0.000+/-0.000 χ^2/NDF: 141.7/118

- sign 0.000+/-0.000 χ^2/NDF: 61.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 10396053.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10787775.1/36

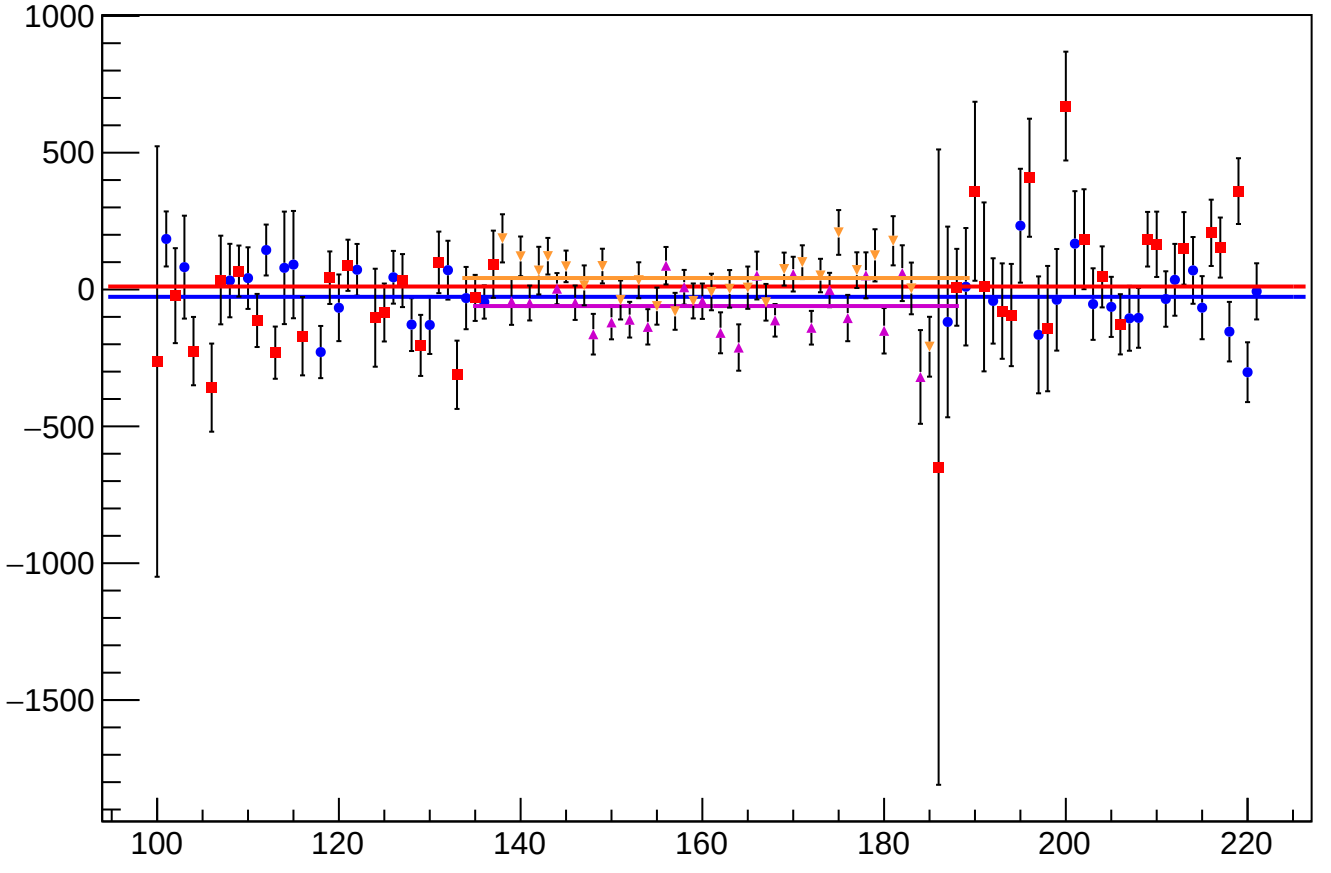
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20718972.3/58

All: 0.000+/-0.000 χ^2/NDF: 43377515.4/118

- sign 0.000+/-0.000 χ^2/NDF: 22604148.5/59

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -26.719+/-20.059 χ^2/NDF: 31.5/33

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 10.971+/-20.959 χ^2/NDF: 70.8/36

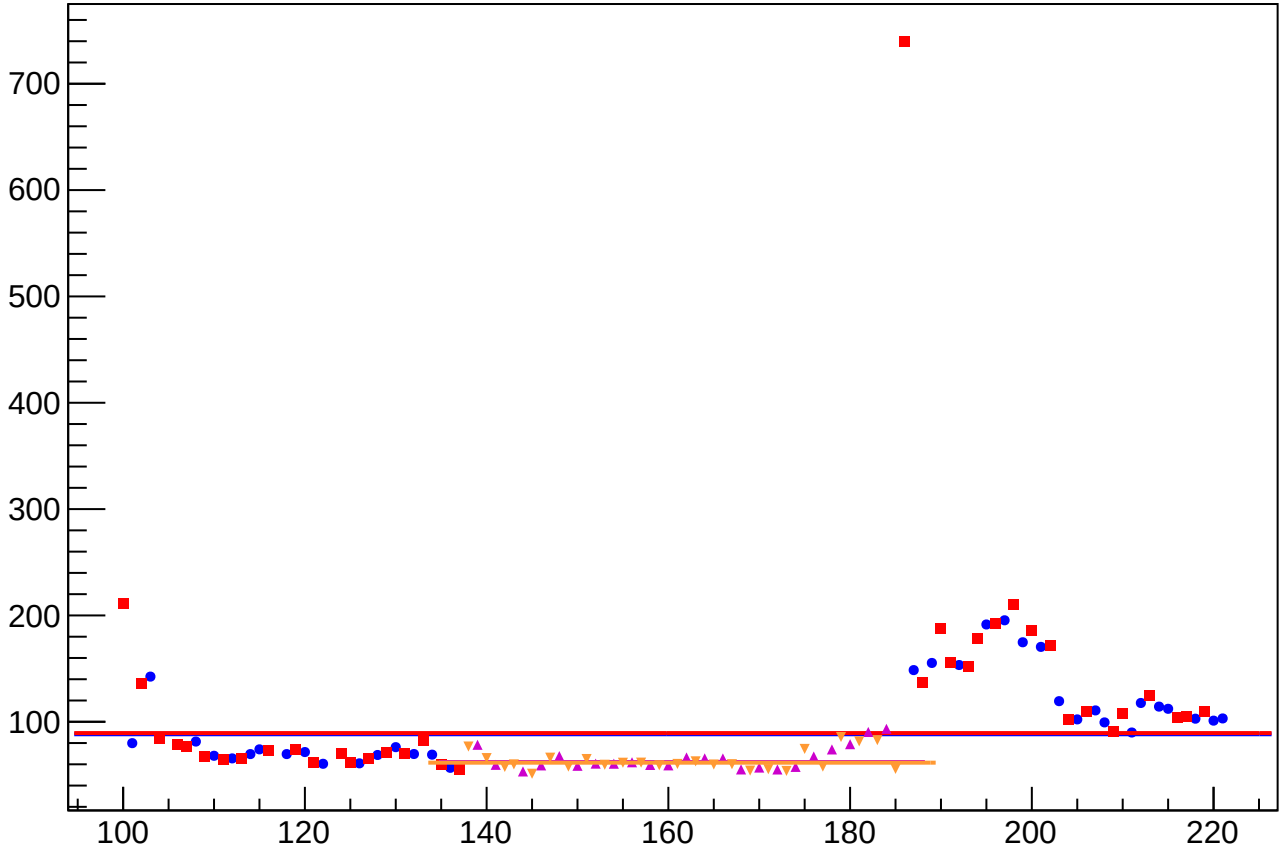
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.107+/-11.580 χ^2/NDF: 71.3/58

All: -7.762+/-8.347 χ^2/NDF: 193.3/118

- sign -36.823+/-12.043 χ^2/NDF: 110.7/59

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 88.260+/-0.014 χ^2/NDF: 4631626.2/33

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

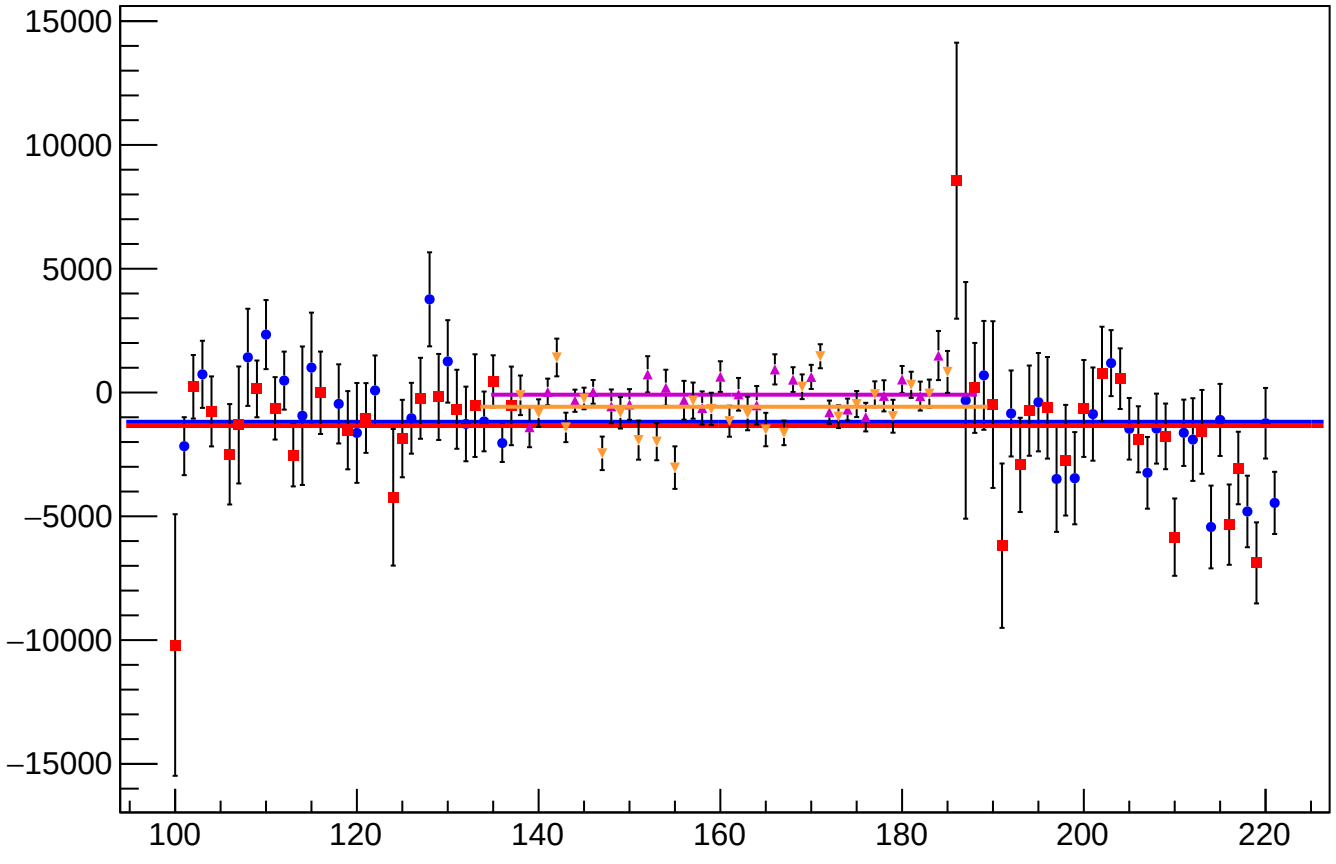
Right Out: 89.377+/-0.015 χ^2/NDF: 5777699.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.447+/-0.008 χ^2/NDF: 7635024.2/58

All: 70.777+/-0.006 χ^2/NDF: 16274552.0/118

- sign 71.135+/-0.009 χ^2/NDF: 8636142.8/59



Right In: -1183.353+/-255.022 χ^2/NDF: 53.9/33

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

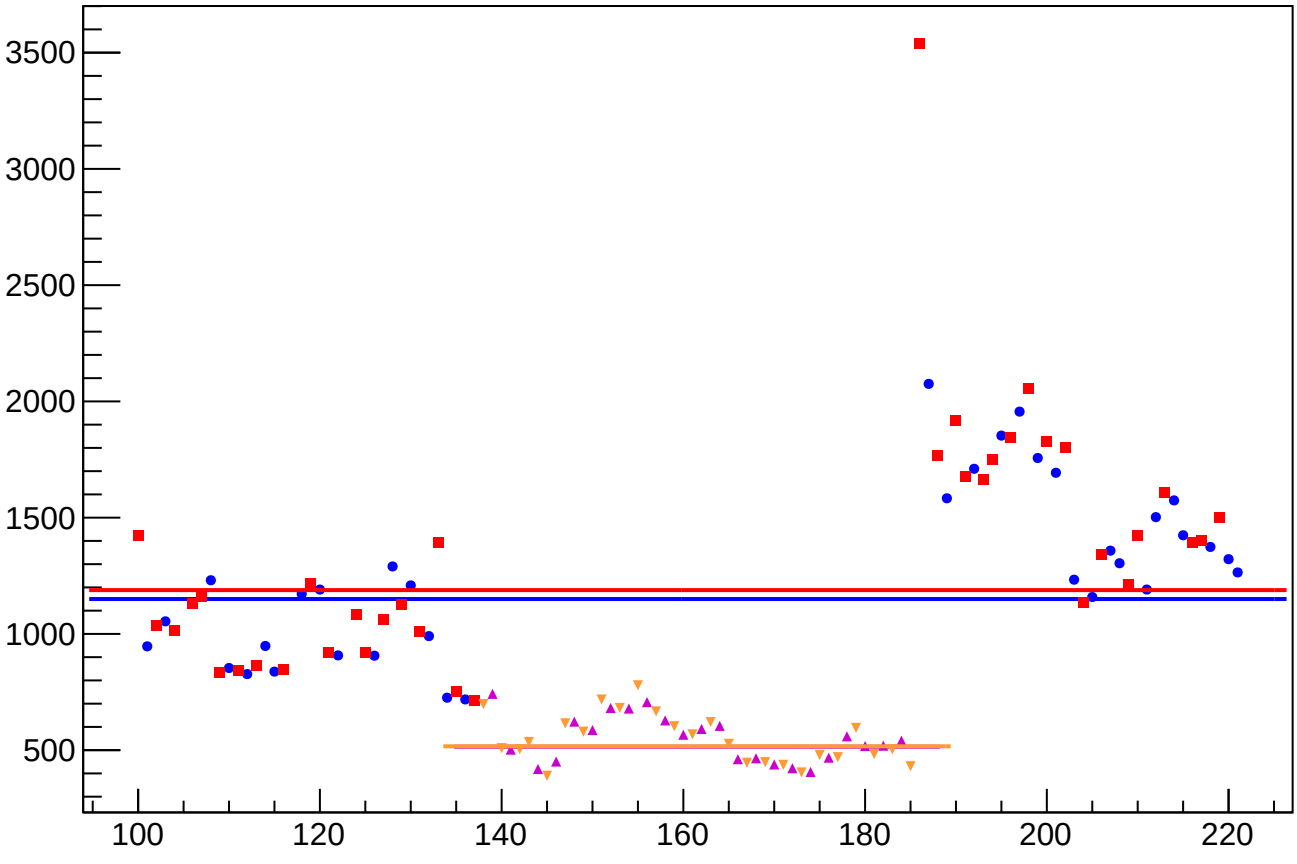
Right Out: -1353.231+/-268.580 χ^2/NDF: 52.6/36

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -684.734+/-108.384 χ^2/NDF: 127.3/58

All: -500.710+/-77.700 χ^2/NDF: 228.8/118

- sign -306.134+/-111.449 χ^2/NDF: 95.5/59



Right In: 1150.049+/-0.180 χ^2/NDF: 3138998.2/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1188.422+/-0.190 χ^2/NDF: 3626693.6/36

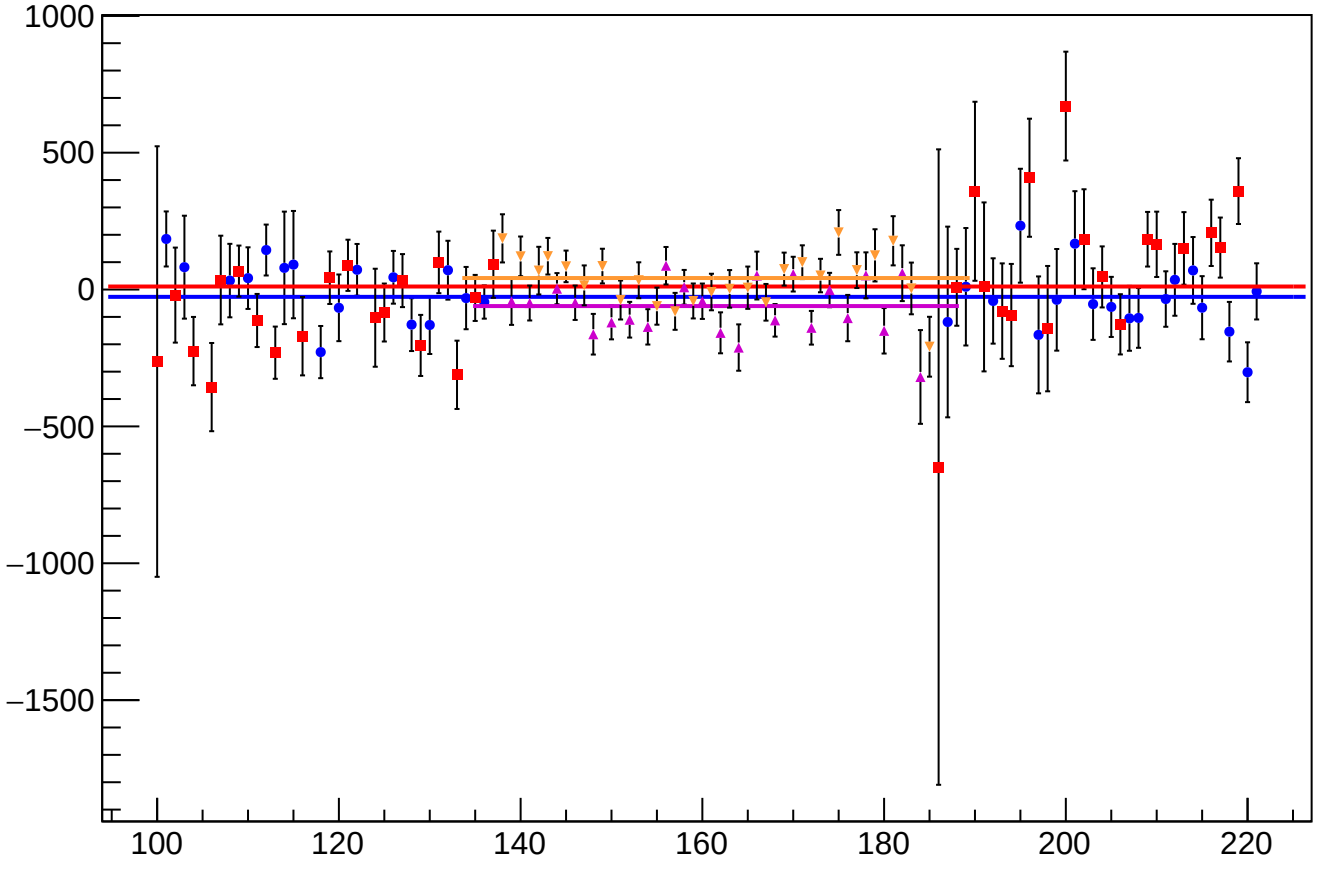
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 631.046+/-0.077 χ^2/NDF: 14513685.7/58

All: 630.914+/-0.055 χ^2/NDF: 29676128.8/11

- sign 630.774+/-0.079 χ^2/NDF: 15162437.0/59

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -26.725+/-20.059 χ^2/NDF: 31.5/33

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 11.050+/-20.960 χ^2/NDF: 70.7/36

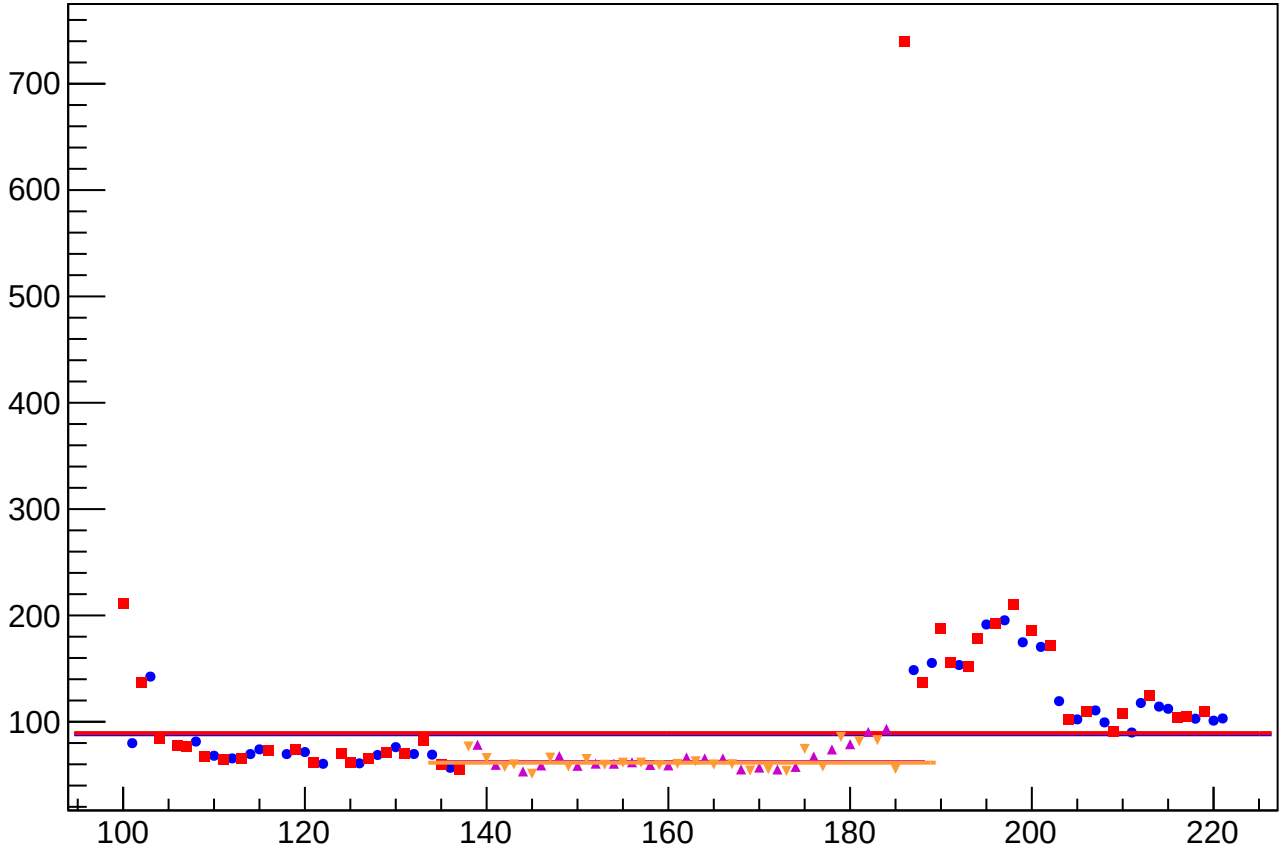
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.109+/-11.580 χ^2/NDF: 71.3/58

All: -7.748+/-8.347 χ^2/NDF: 193.2/118

- sign -36.797+/-12.043 χ^2/NDF: 110.6/59

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 88.260+/-0.014 χ^2/NDF: 4631629.2/33

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

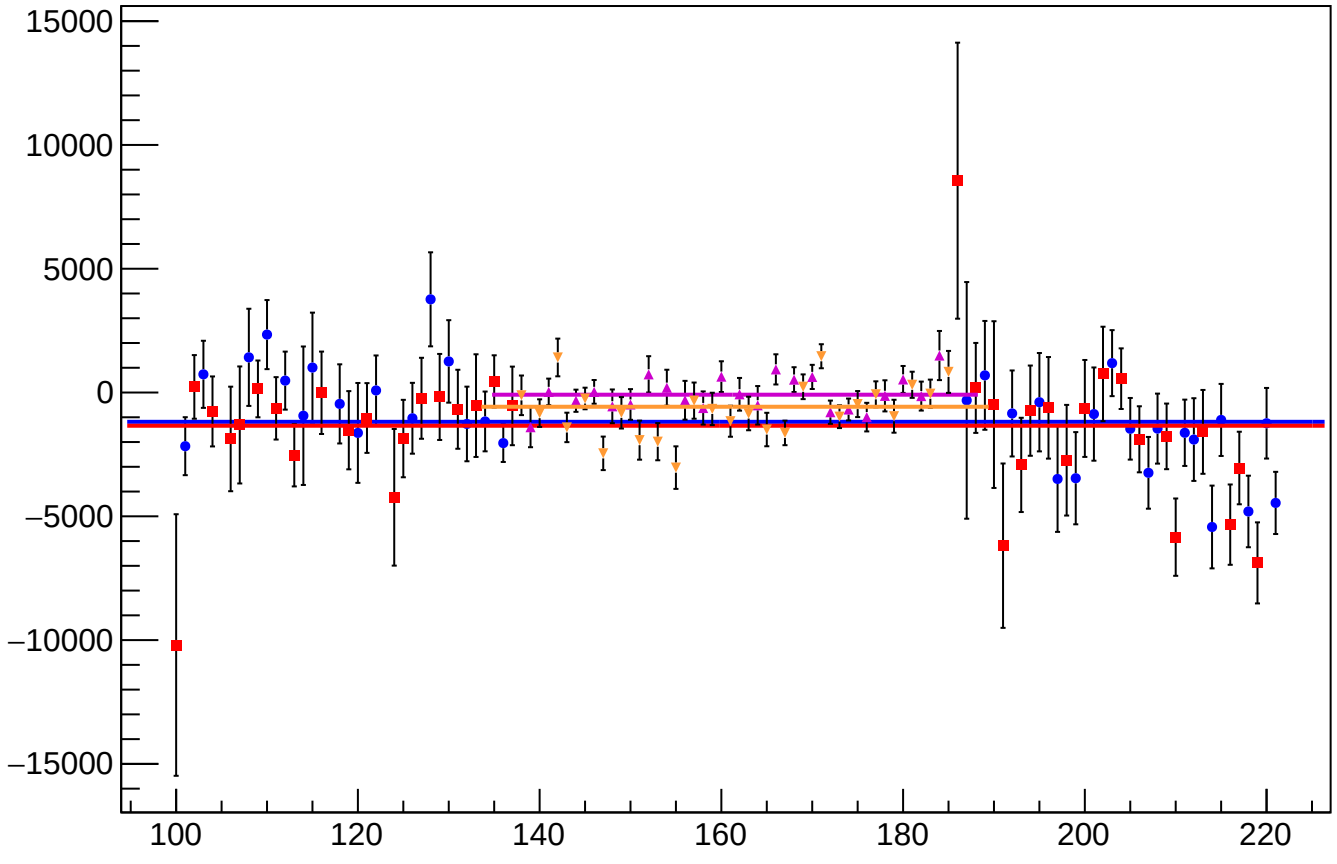
Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

\+ sign 70.447+/-0.008 χ^2/NDF: 7635027.3/58

All: 70.776+/-0.006 χ^2/NDF: 16274068.9/118

\- sign 71.131+/-0.009 χ^2/NDF: 8635695.8/59



Right In: -1183.342+/-255.023 χ^2/NDF: 53.9/33

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

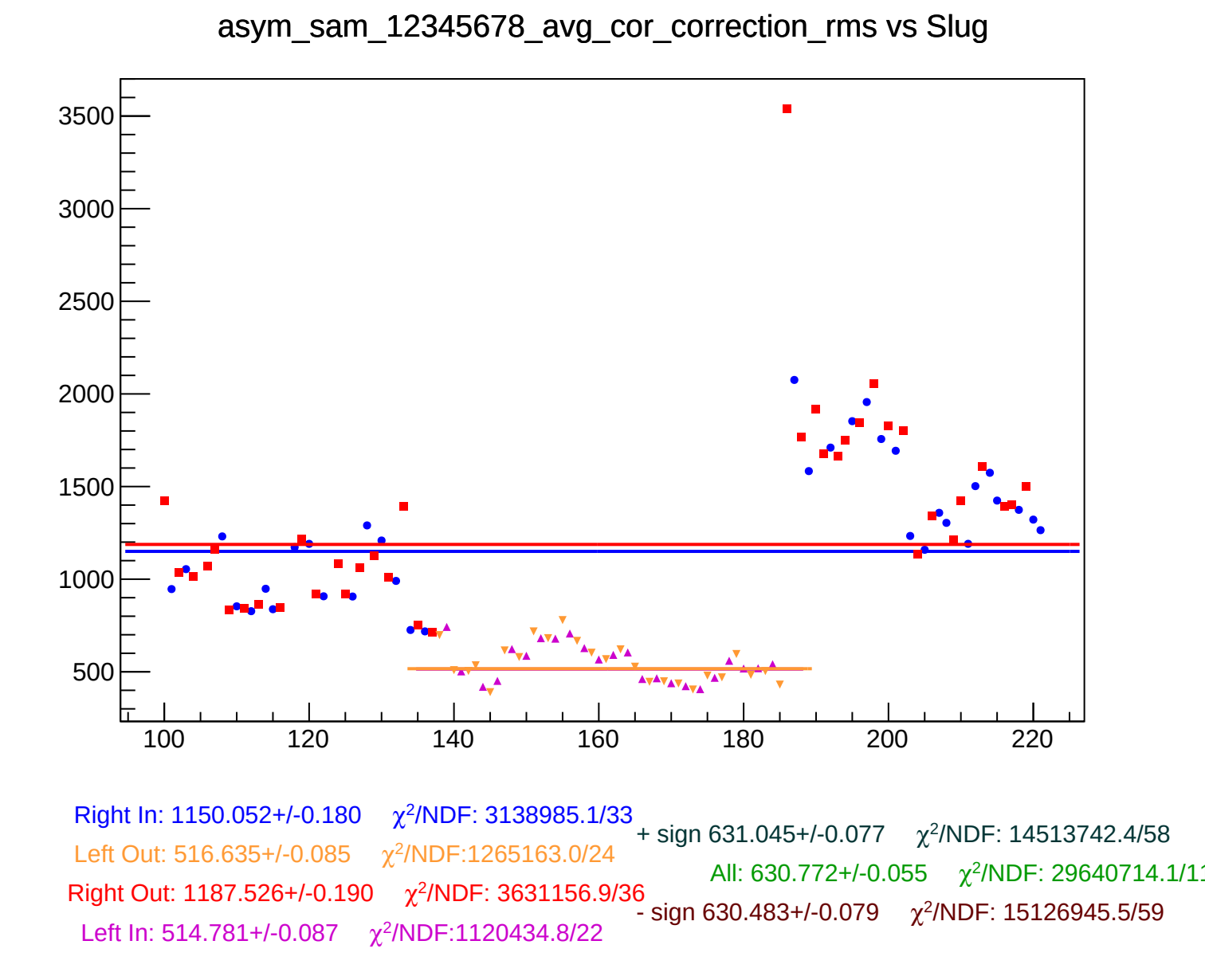
Right Out: -1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

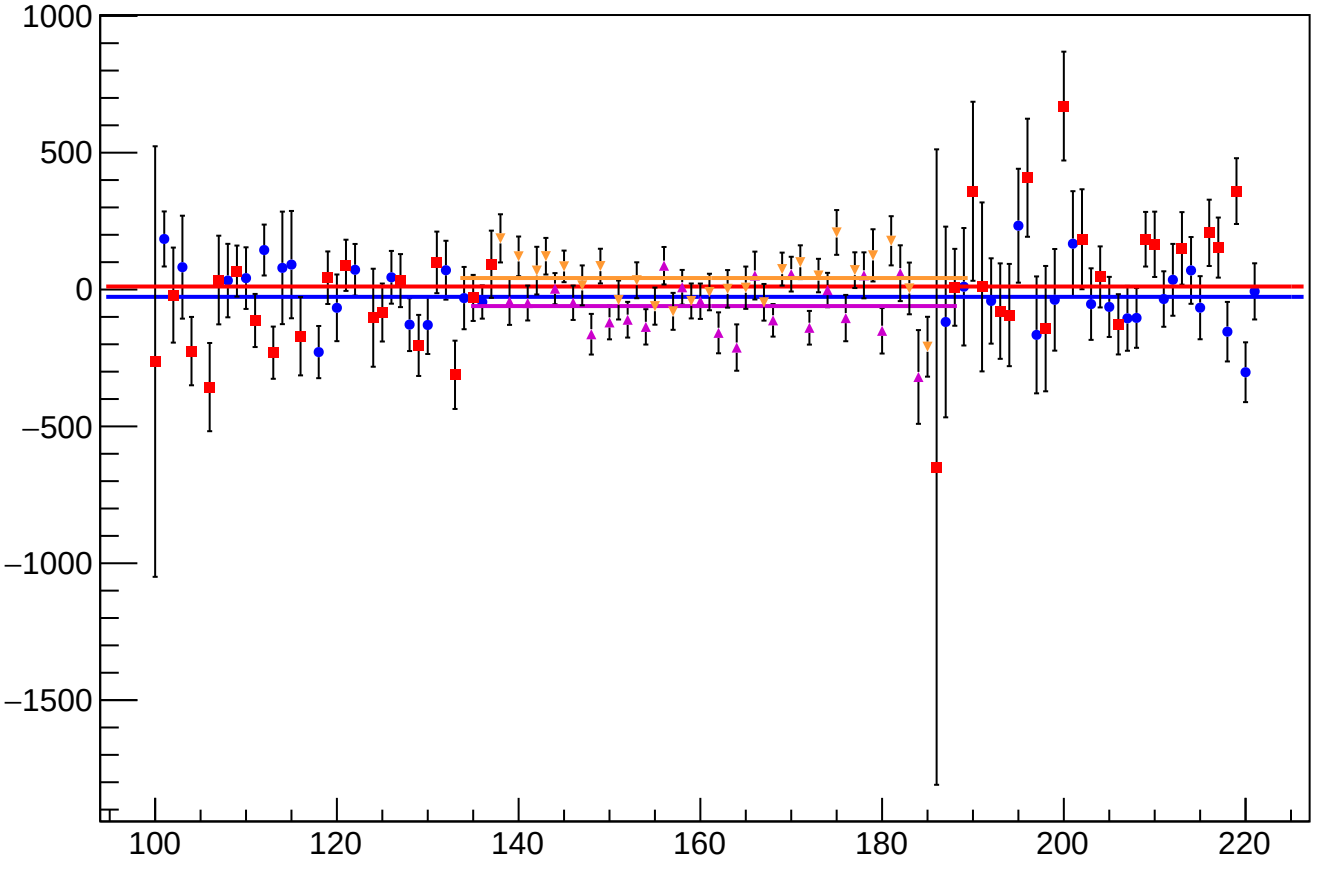
+ sign -684.726+/-108.384 χ^2/NDF: 127.3/58

All: -499.662+/-77.705 χ^2/NDF: 228.2/118

- sign -303.938+/-111.462 χ^2/NDF: 94.9/59


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1150.052+/-0.180 χ²/NDF: 3138985.1/33
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1187.526+/-0.190 χ²/NDF: 3631156.9/36
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 631.045+/-0.077 χ²/NDF: 14513742.4/58
All: 630.772+/-0.055 χ²/NDF: 29640714.1/11
- sign 630.483+/-0.079 χ²/NDF: 15126945.5/59

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -26.725+/-20.059 χ^2/NDF: 31.5/33

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 11.050+/-20.960 χ^2/NDF: 70.7/36

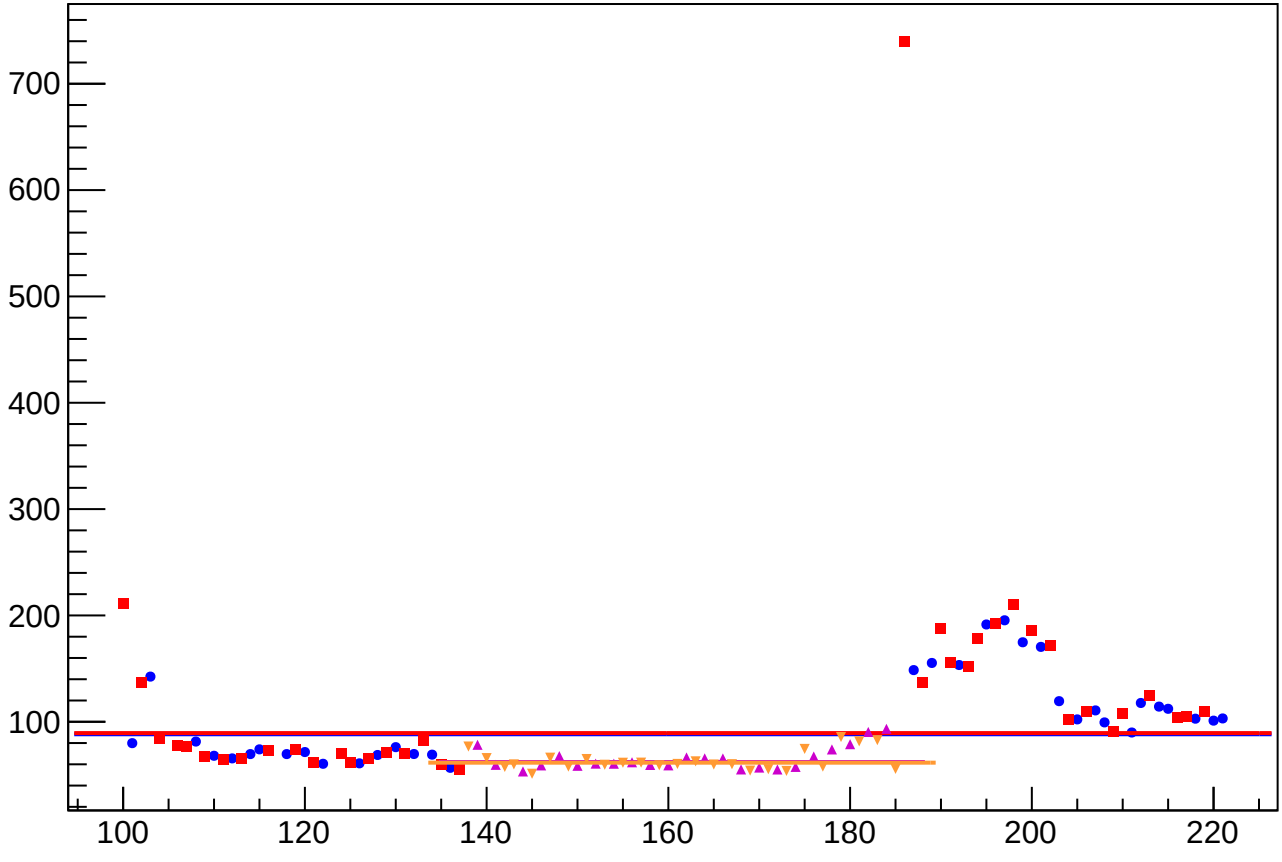
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.109+/-11.580 χ^2/NDF: 71.3/58

All: -7.748+/-8.347 χ^2/NDF: 193.2/118

- sign -36.797+/-12.043 χ^2/NDF: 110.6/59

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 88.260+/-0.014 χ^2/NDF: 4631629.2/33

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

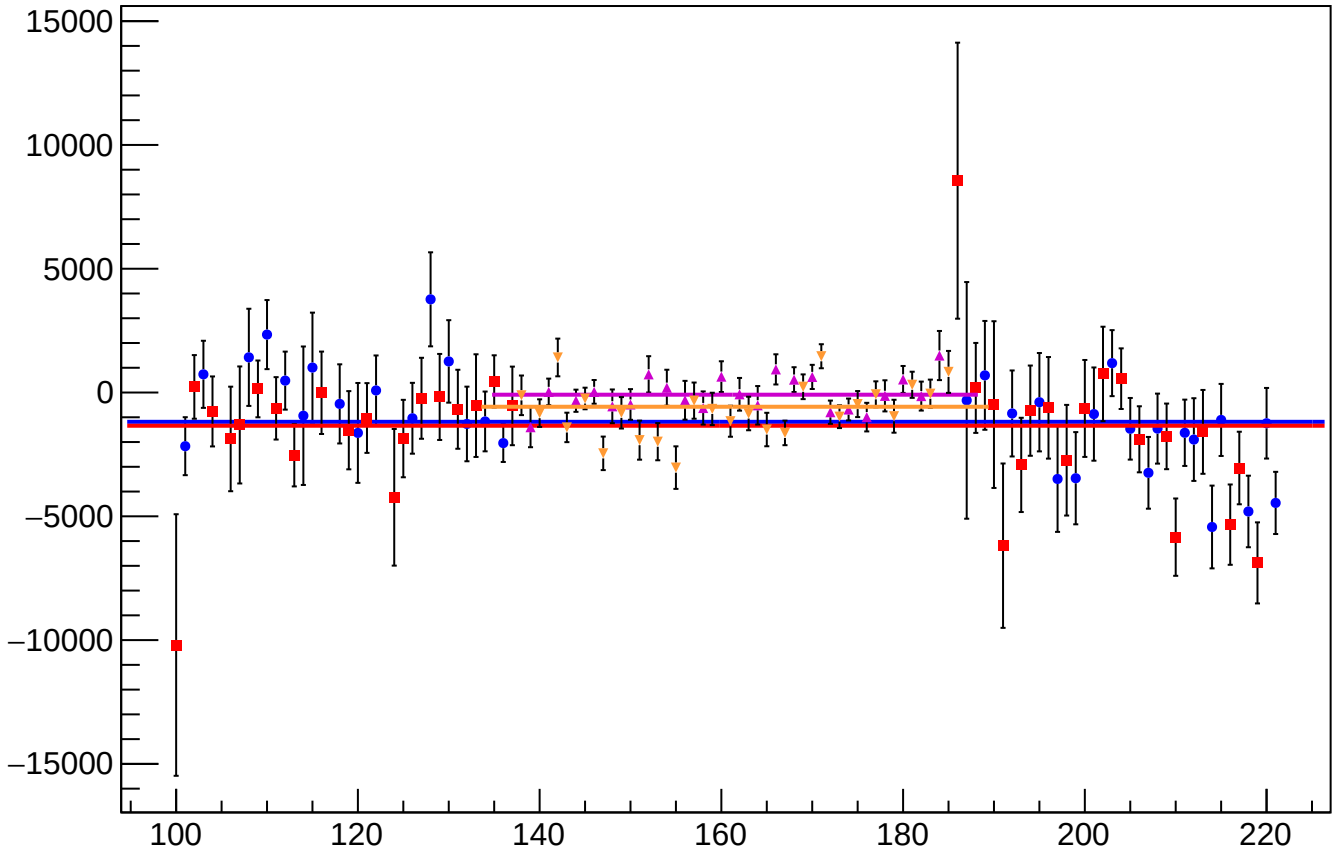
Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.447+/-0.008 χ^2/NDF: 7635027.3/58

All: 70.776+/-0.006 χ^2/NDF: 16274068.9/118

- sign 71.131+/-0.009 χ^2/NDF: 8635695.8/59



Right In: -1183.342+/-255.023 χ^2/NDF: 53.9/33

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

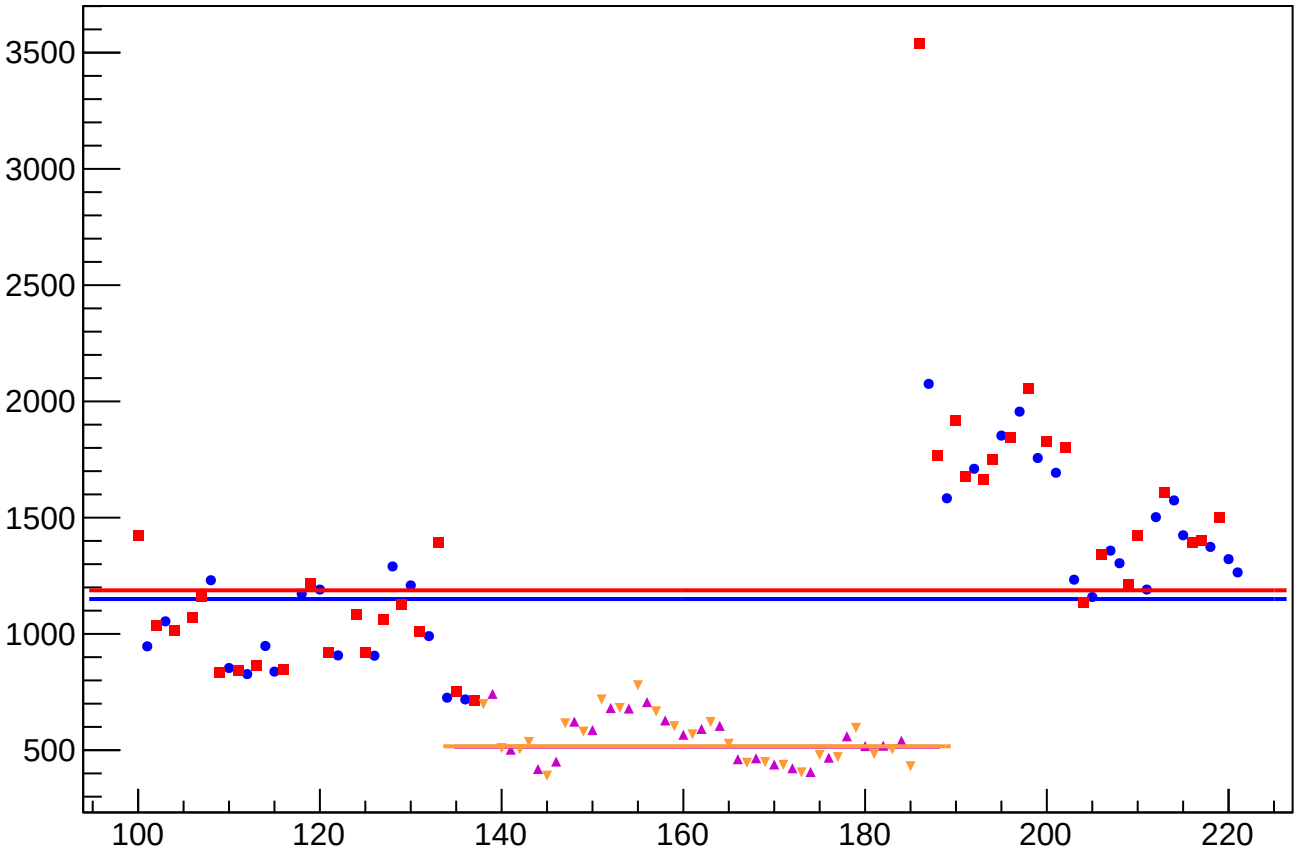
Right Out: -1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -684.726+/-108.384 χ^2/NDF: 127.3/58

All: -499.662+/-77.705 χ^2/NDF: 228.2/118

- sign -303.938+/-111.462 χ^2/NDF: 94.9/59



Right In: 1150.052+/-0.180 χ^2/NDF: 3138985.1/33

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

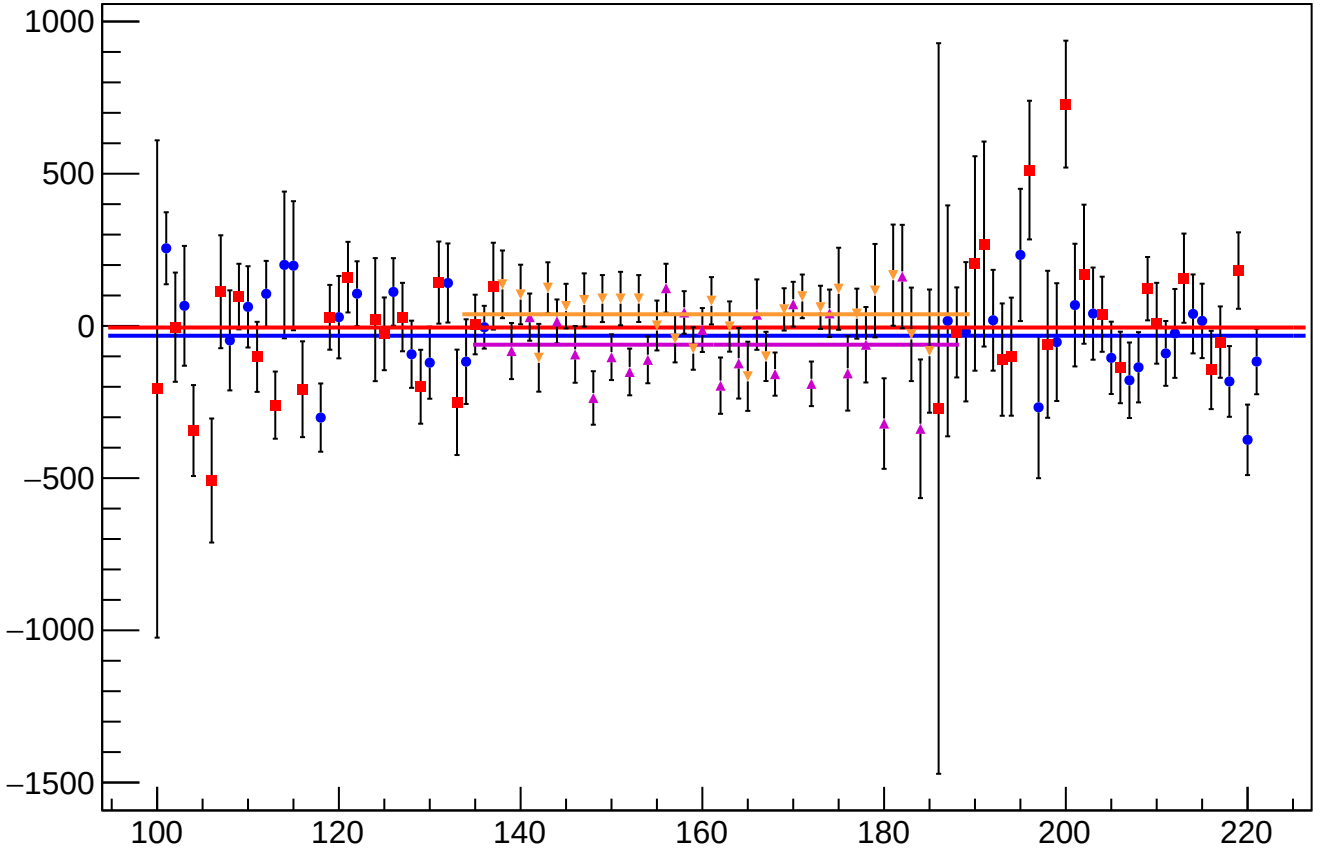
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 631.045+/-0.077 χ^2/NDF: 14513742.4/58

All: 630.772+/-0.055 χ^2/NDF: 29640714.1/11

- sign 630.483+/-0.079 χ^2/NDF: 15126945.5/59

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -32.271+/-22.413 χ^2/NDF: 40.4/33

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -5.206+/-23.643 χ^2/NDF: 56.8/36

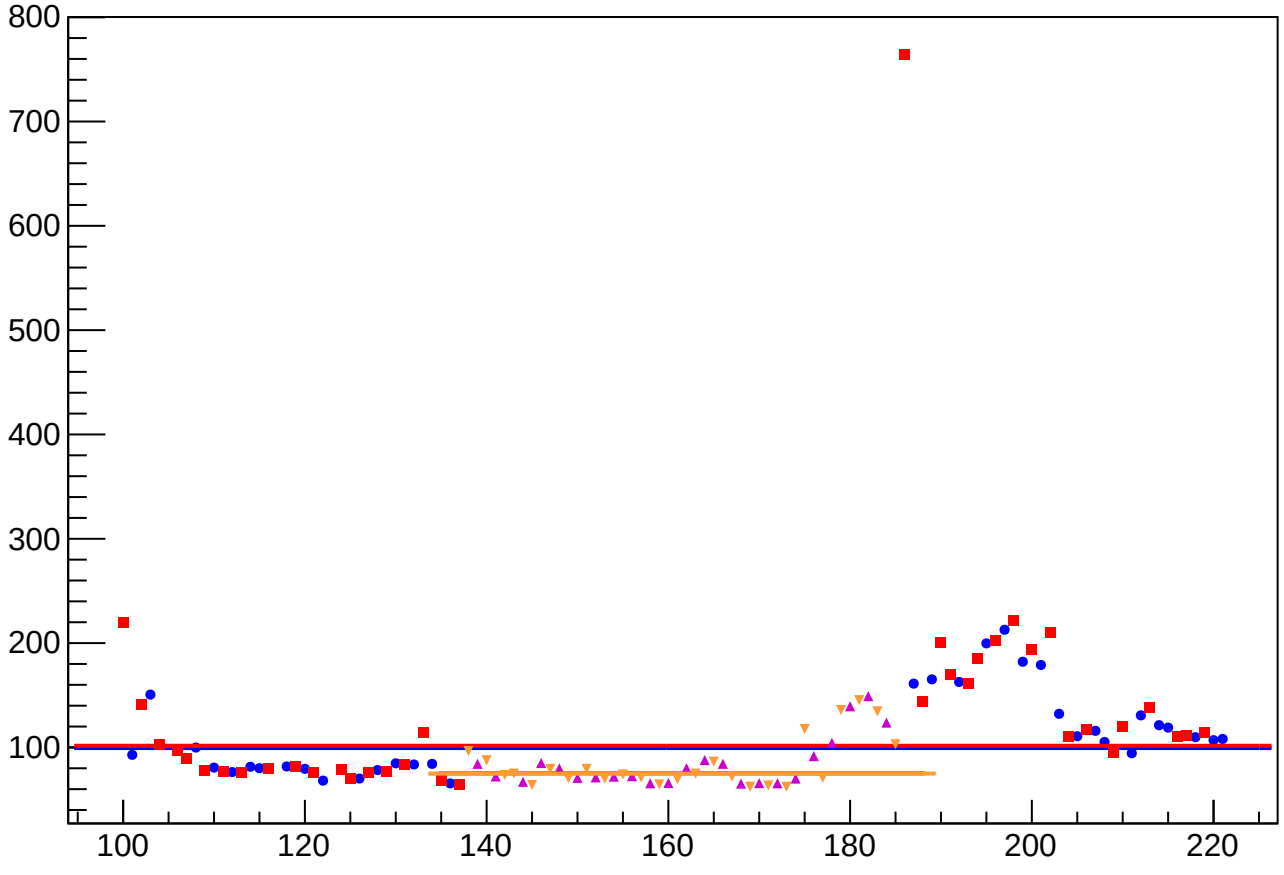
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 11.240+/-13.876 χ^2/NDF: 65.3/58

All: -13.739+/-9.998 χ^2/NDF: 169.1/118

- sign -40.707+/-14.418 χ^2/NDF: 97.1/59

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 99.397+/-0.016 χ^2/NDF: 3810434.1/33

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 101.581+/-0.017 χ^2/NDF: 5003537.9/36

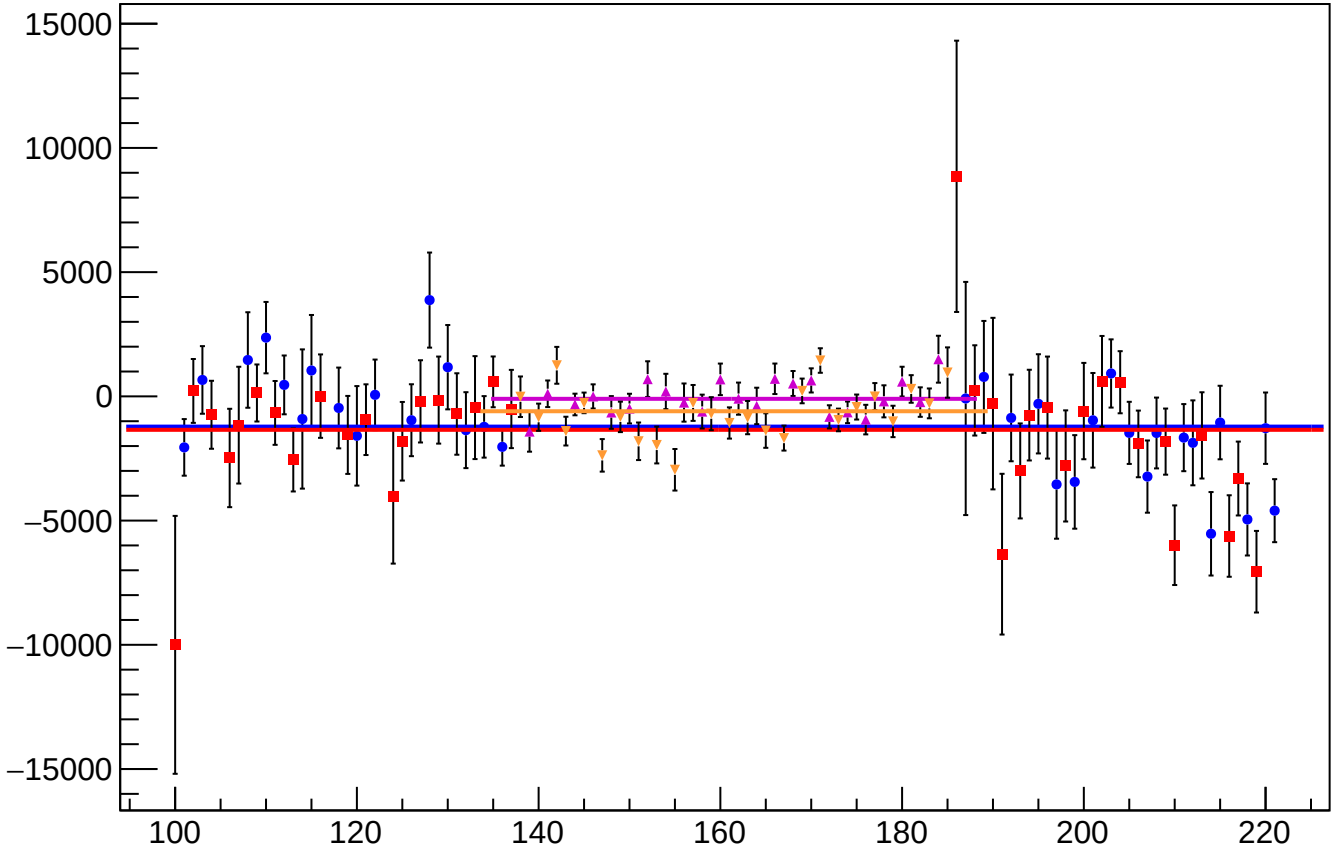
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 84.291+/-0.010 χ^2/NDF: 6945107.7/58

All: 84.623+/-0.007 χ^2/NDF: 14832920.4/118

- sign 84.982+/-0.010 χ^2/NDF: 7885427.2/59

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -1216.980+/-256.776 χ^2/NDF: 53.7/33

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

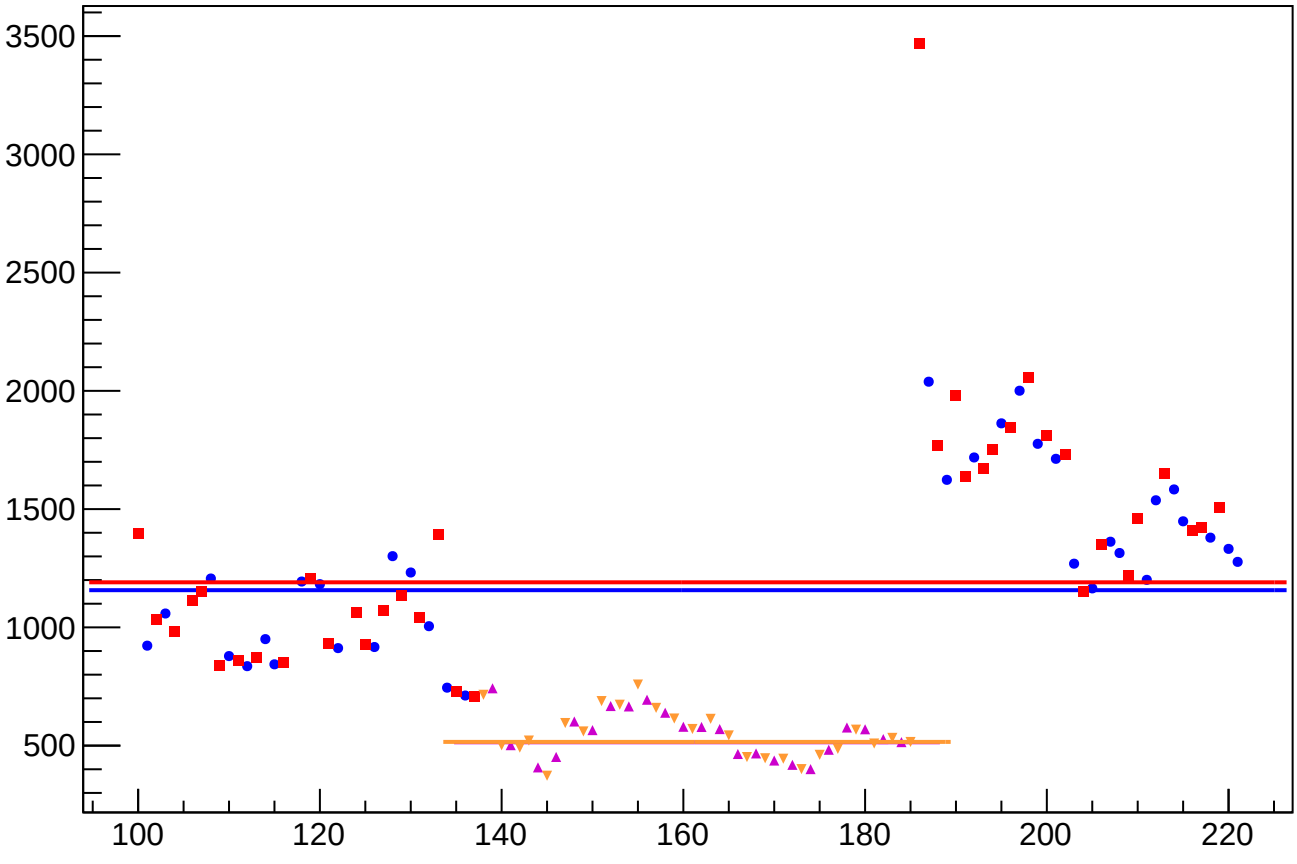
Right Out: -1346.666+/-269.080 χ^2/NDF: 55.8/36

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -708.607+/-108.211 χ^2/NDF: 123.5/58

All: -516.323+/-77.602 χ^2/NDF: 227.3/118

- sign -312.730+/-111.347 χ^2/NDF: 97.3/59



Right In: 1157.222+/-0.182 χ^2/NDF: 3212215.4/33

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1190.502+/-0.190 χ^2/NDF: 3658432.5/36

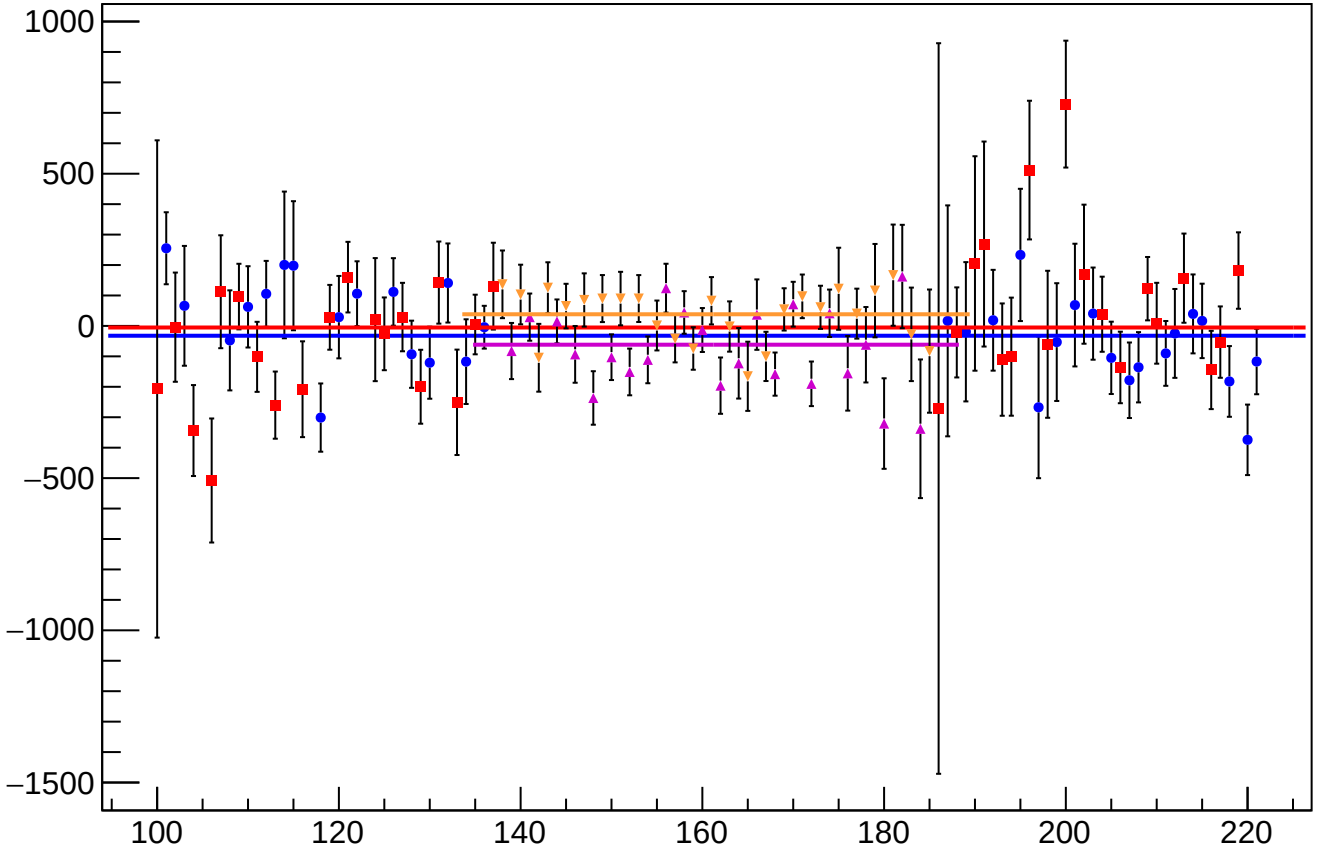
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 629.682+/-0.077 χ^2/NDF: 14709393.0/58

All: 629.795+/-0.055 χ^2/NDF: 29958973.5/11

- sign 629.914+/-0.079 χ^2/NDF: 15249576.0/59

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -32.270+/-22.413 χ^2/NDF: 40.4/33

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -5.204+/-23.643 χ^2/NDF: 56.8/36

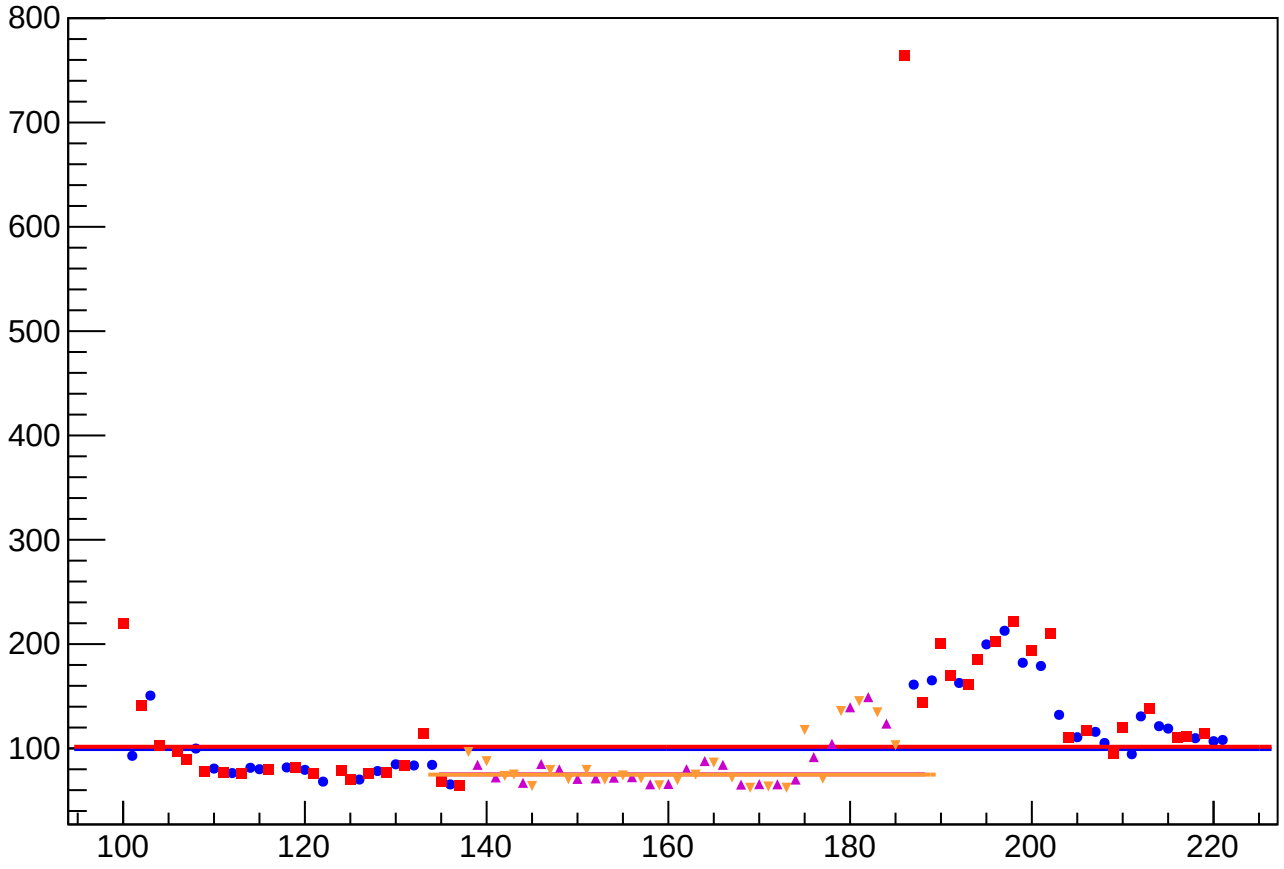
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 11.240+/-13.876 χ^2/NDF: 65.3/58

All: -13.738+/-9.998 χ^2/NDF: 169.1/118

- sign -40.706+/-14.418 χ^2/NDF: 97.1/59

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 99.397+/-0.016 χ^2/NDF: 3810447.9/33

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

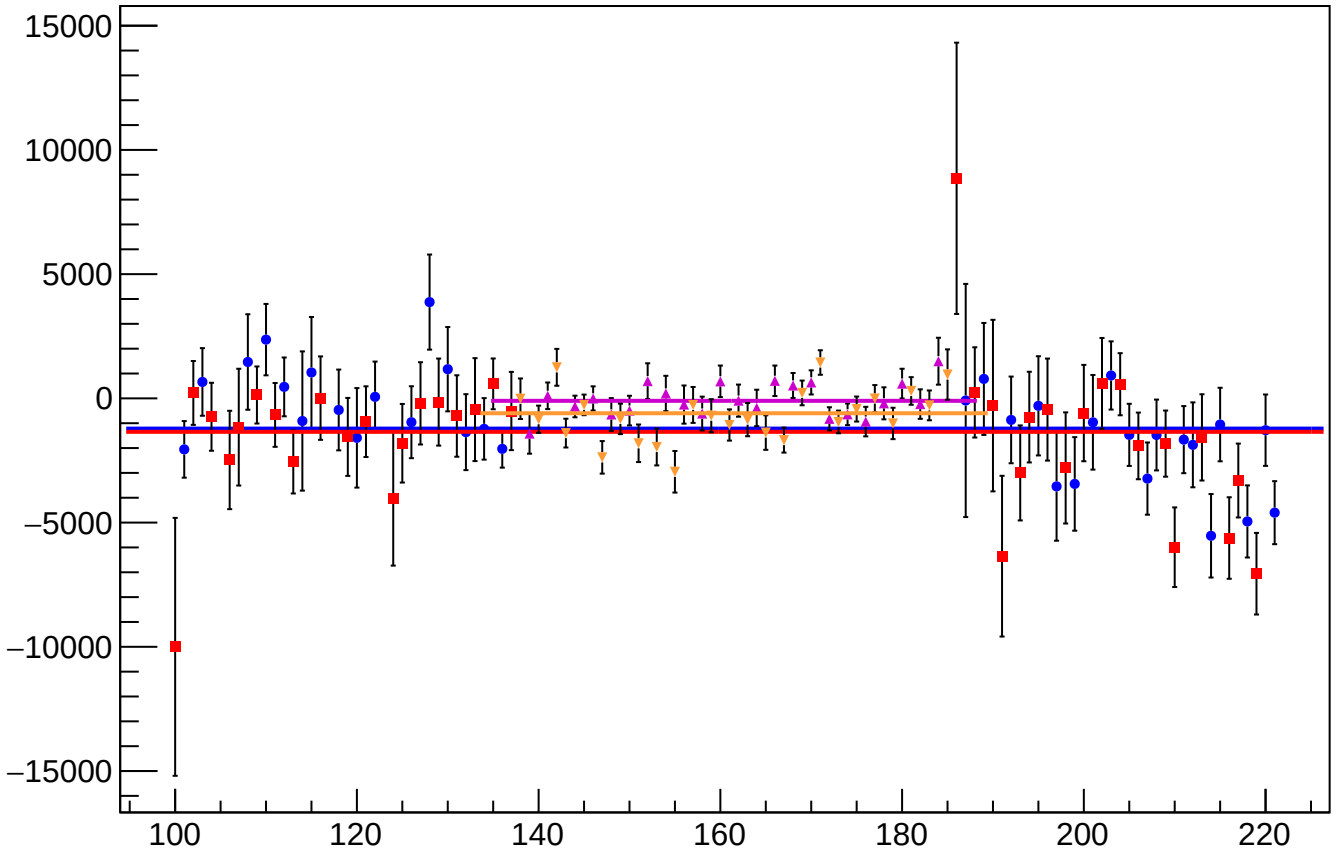
Right Out: 101.581+/-0.017 χ^2/NDF: 5003566.3/36

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 84.291+/-0.010 χ^2/NDF: 6945068.1/58

All: 84.624+/-0.007 χ^2/NDF: 14832841.3/118

- sign 84.982+/-0.010 χ^2/NDF: 7885387.5/59



Right In: -1216.976+/-256.776 χ^2/NDF: 53.7/33

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

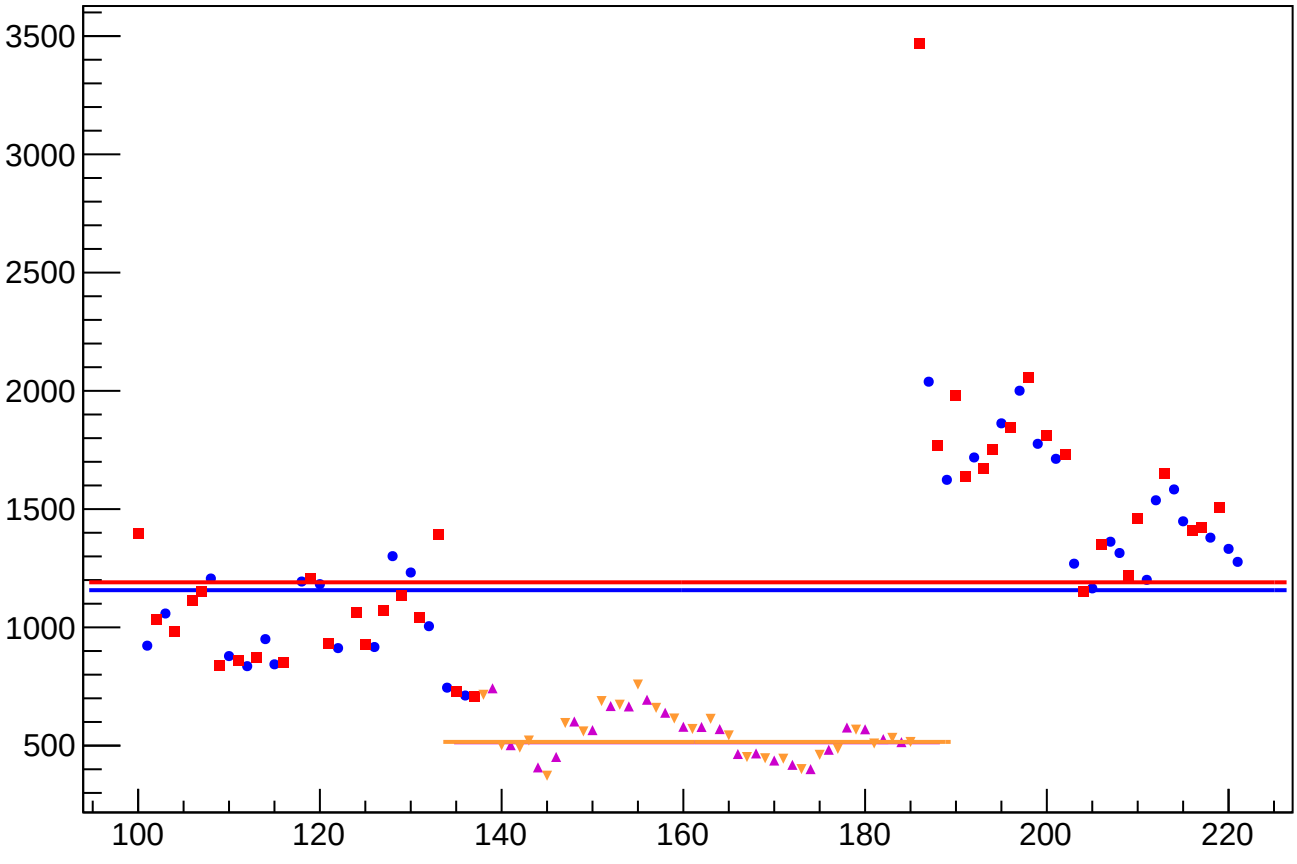
Right Out: -1346.663+/-269.080 χ^2/NDF: 55.8/36

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -708.606+/-108.210 χ^2/NDF: 123.5/58

All: -516.321+/-77.601 χ^2/NDF: 227.3/118

- sign -312.728+/-111.347 χ^2/NDF: 97.3/59



Right In: 1157.220+/-0.182 χ^2/NDF: 3212226.4/33

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1190.500+/-0.190 χ^2/NDF: 3658445.8/36

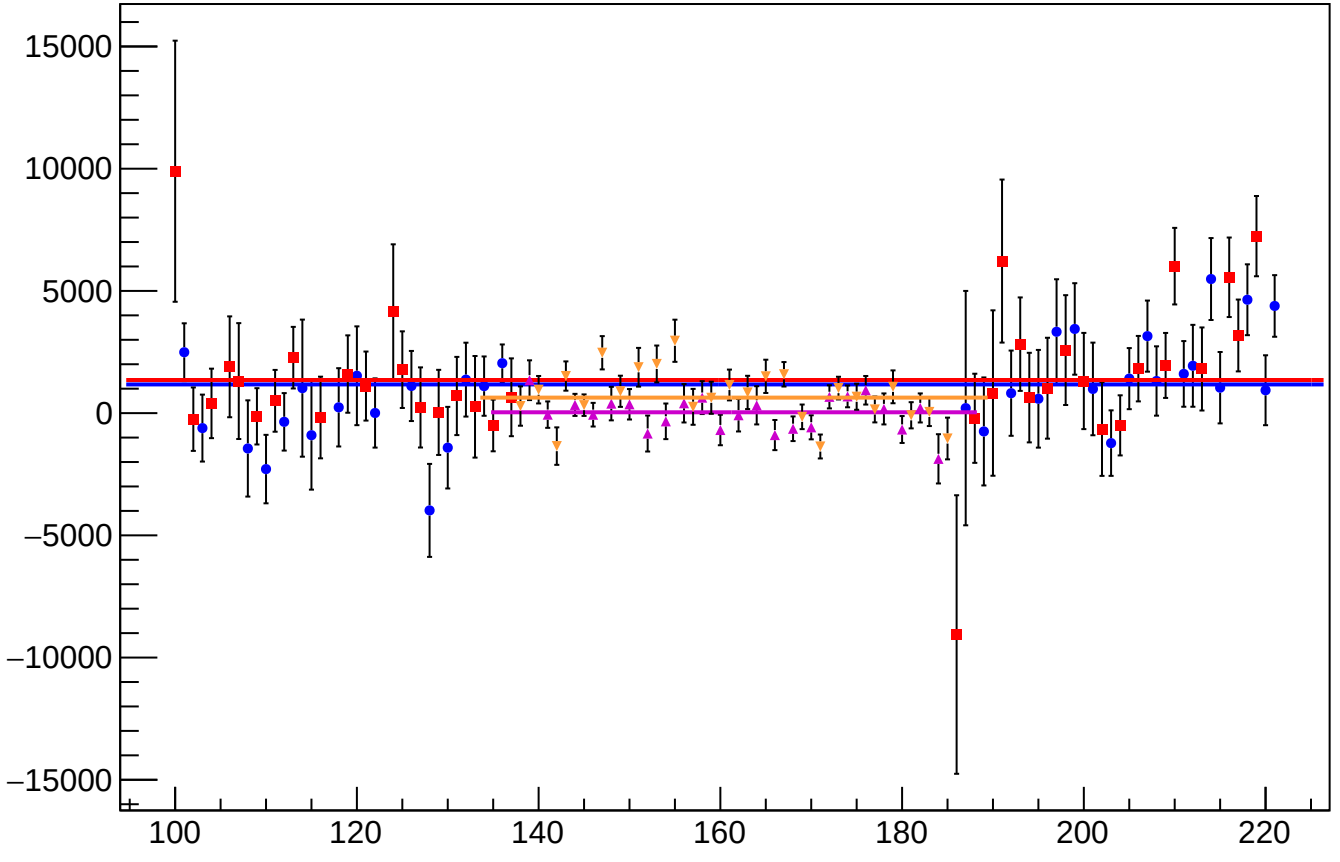
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 629.681+/-0.077 χ^2/NDF: 14709407.2/58

All: 629.793+/-0.055 χ^2/NDF: 29958994.3/11

- sign 629.913+/-0.079 χ^2/NDF: 15249582.6/59

asym_sam_12345678_avg_mean vs Slug



Right In: 1174.121+/-256.065 χ^2/NDF: 53.2/33

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 1355.377+/-269.672 χ^2/NDF: 55.0/36

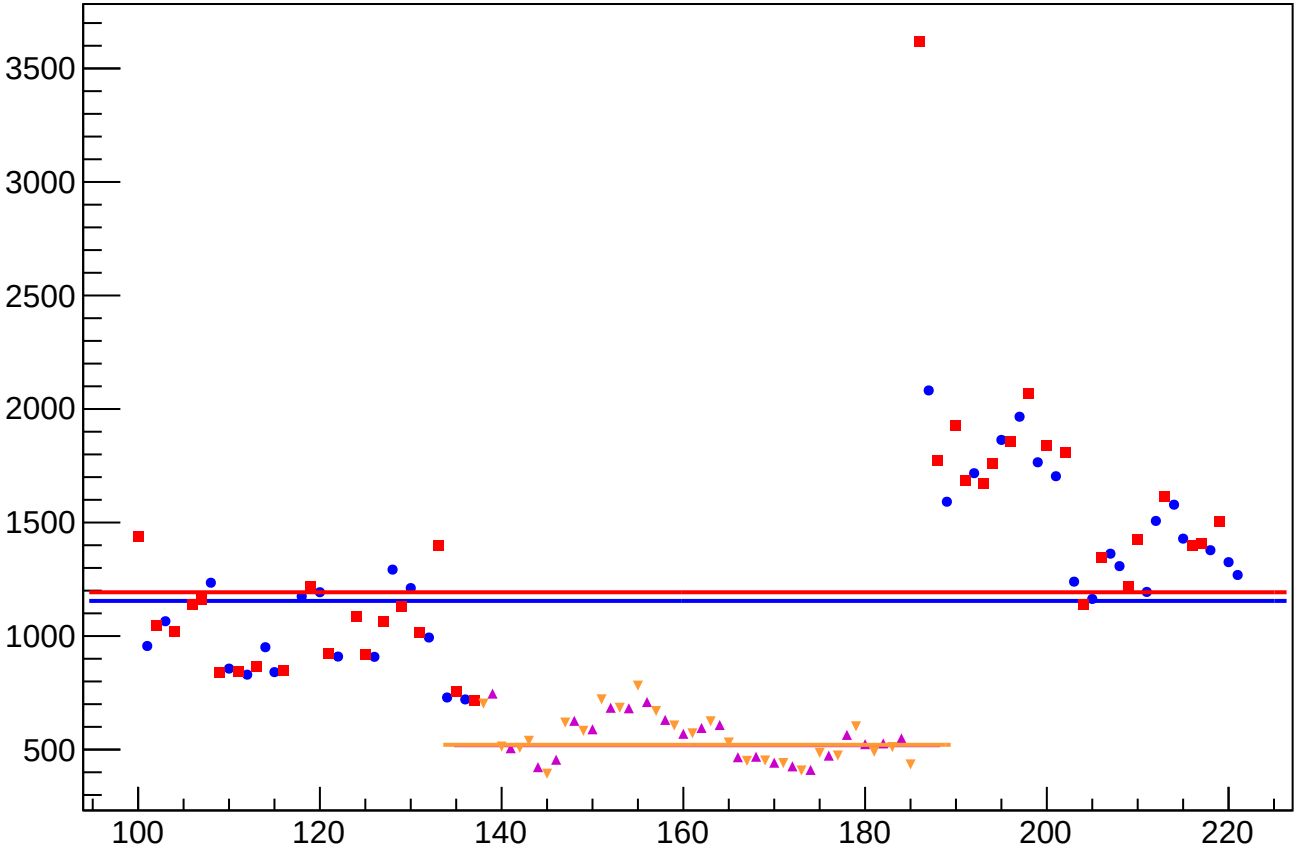
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 732.854+/-109.191 χ^2/NDF: 121.3/58

All: 504.909+/-78.285 χ^2/NDF: 230.2/118

- sign 263.809+/-112.298 χ^2/NDF: 99.9/59

asym_sam_12345678_avg_rms vs Slug



Right In: 1154.769+/-0.181 χ^2/NDF: 3138025.8/33

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

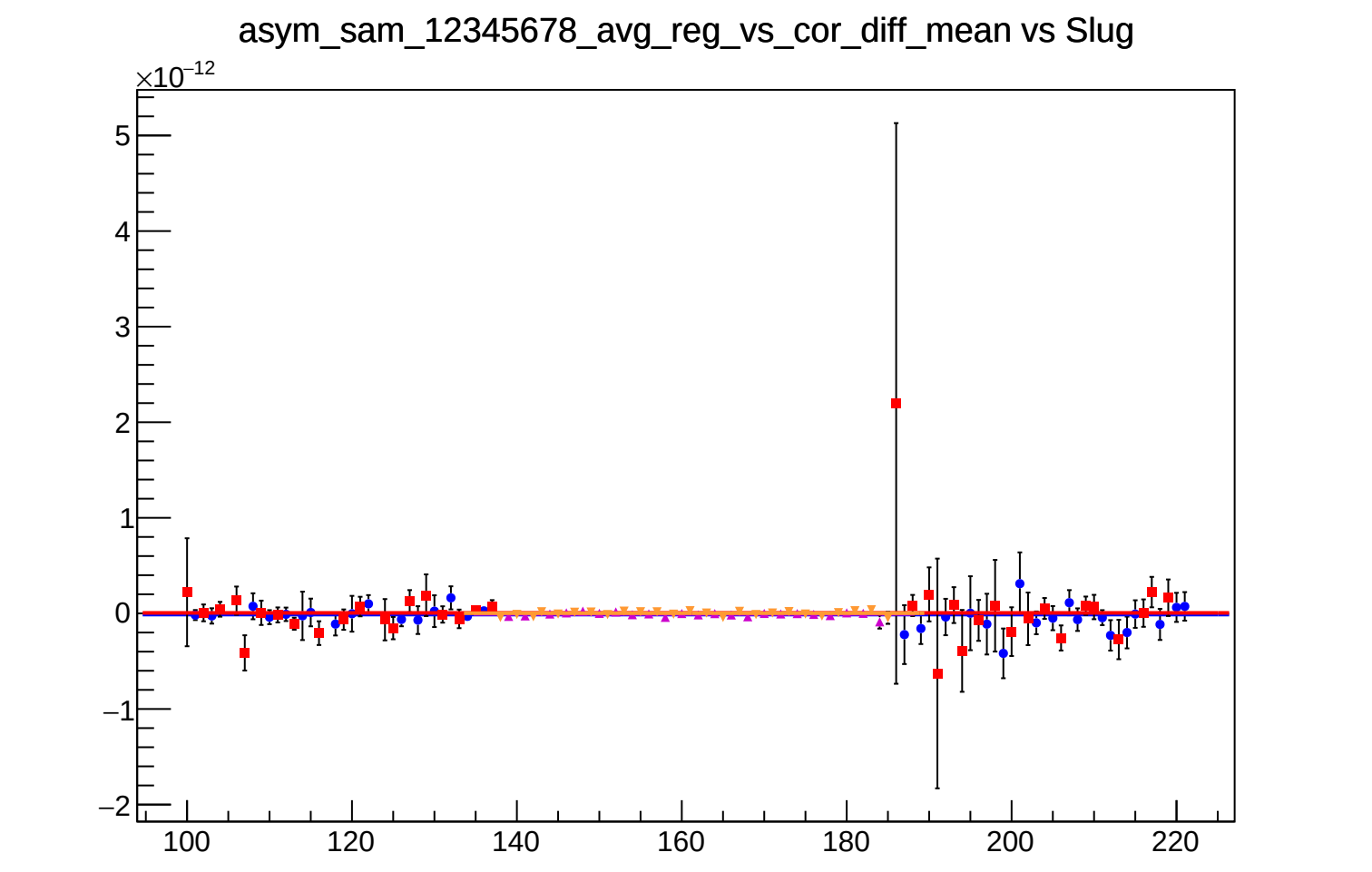
Right Out: 1192.887+/-0.191 χ^2/NDF: 3639304.2/36

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 636.262+/-0.077 χ^2/NDF: 14404045.1/58

All: 636.162+/-0.055 χ^2/NDF: 29459982.4/11

- sign 636.057+/-0.079 χ^2/NDF: 15055933.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/33

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

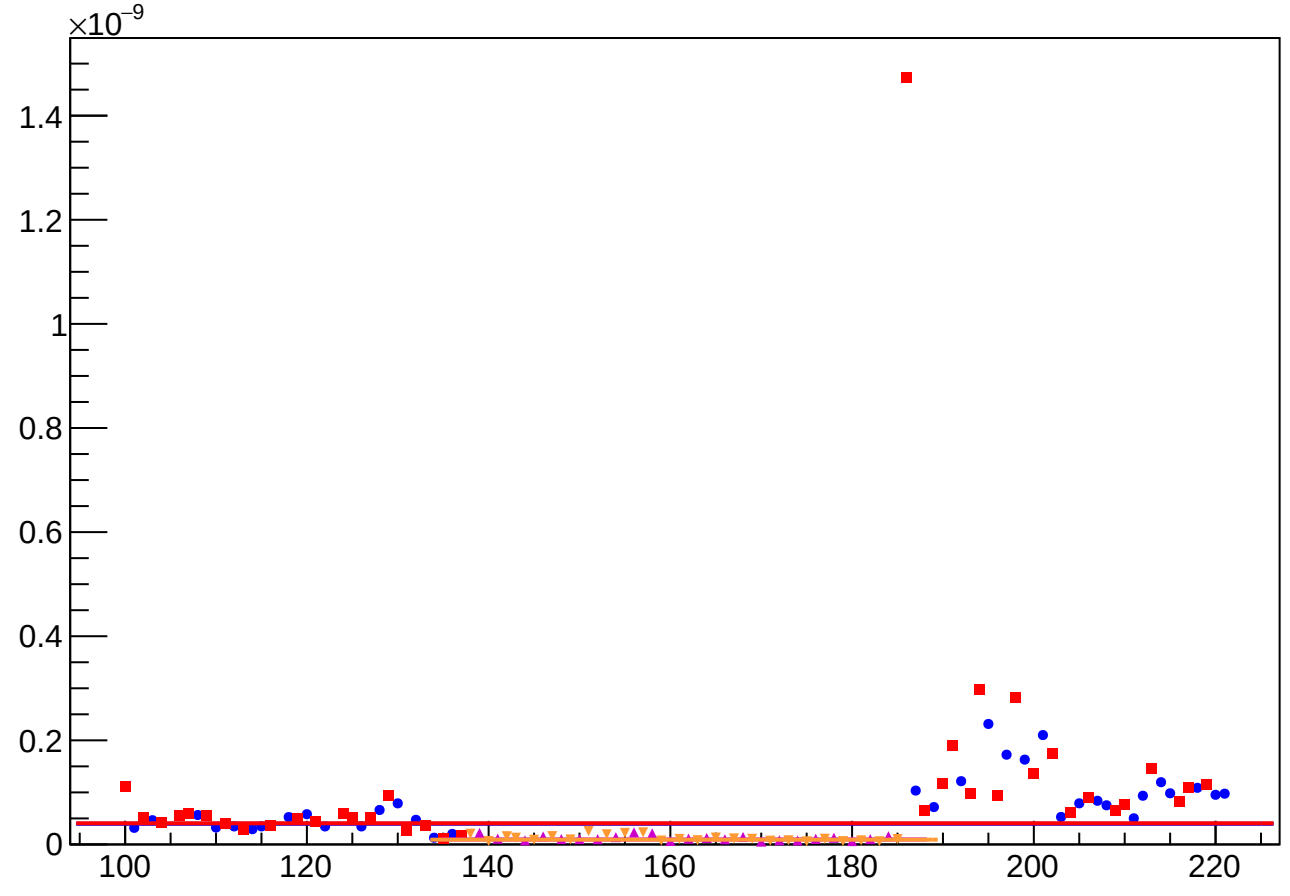
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.4/58

All: -0.000+/-0.000 χ^2/NDF: 86.3/118

- sign -0.000+/-0.000 χ^2/NDF: 43.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 6931386.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

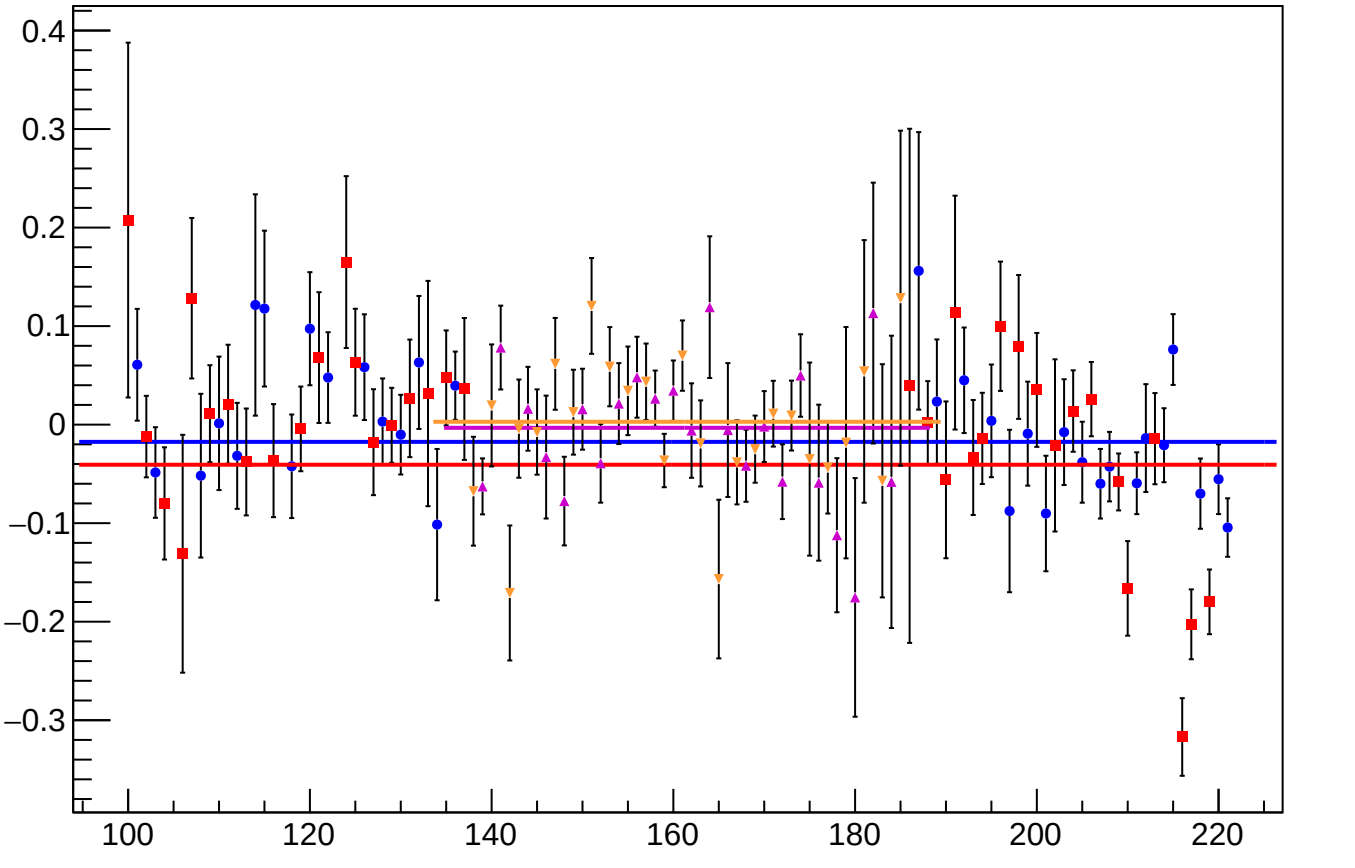
Right Out: 0.000+/-0.000 χ^2/NDF: 7397019.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16062450.4/58

All: 0.000+/-0.000 χ^2/NDF: 31176219.0/118

- sign 0.000+/-0.000 χ^2/NDF: 15107709.3/59



Right In: -0.017+/-0.008 χ^2/NDF: 49.4/33

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.041+/-0.008 χ^2/NDF: 142.6/36

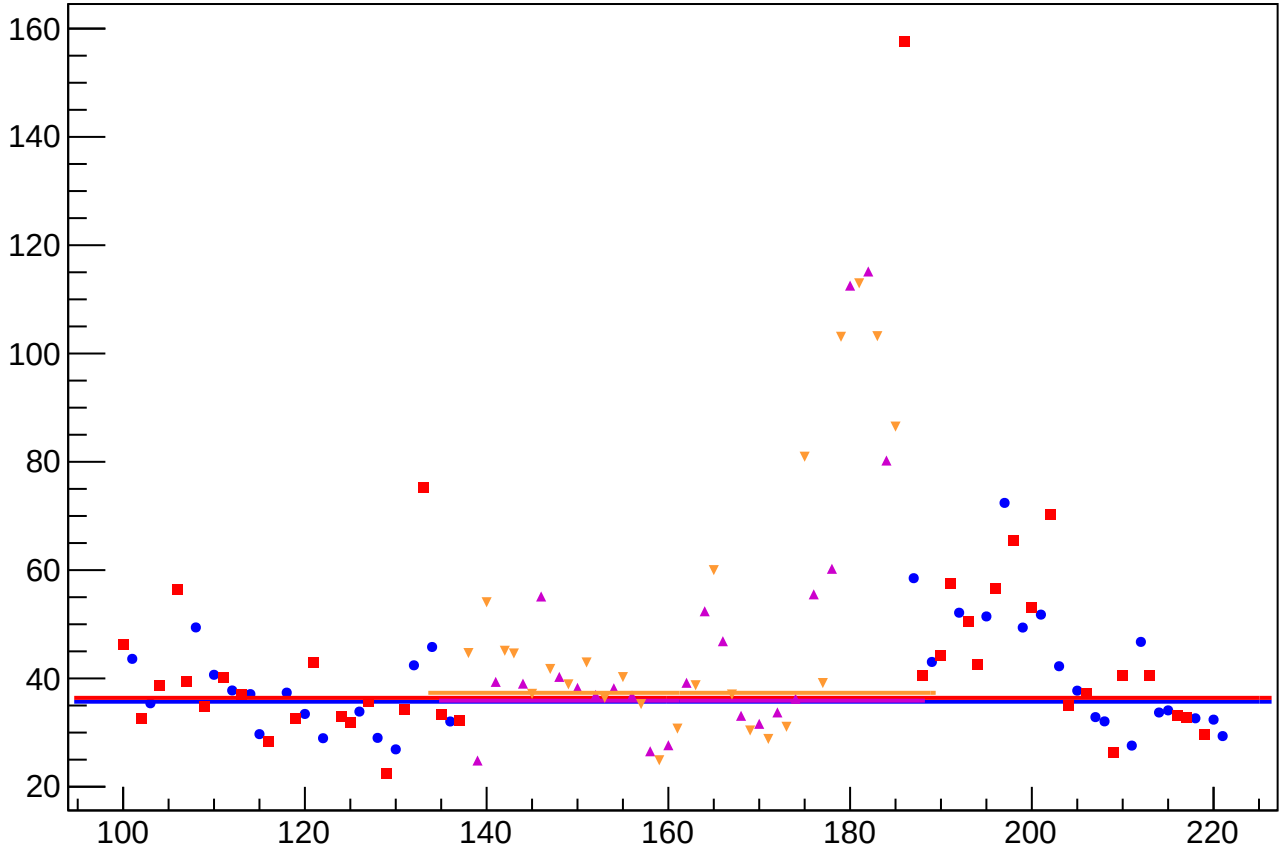
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.009+/-0.006 χ^2/NDF: 85.1/58

All: -0.016+/-0.004 χ^2/NDF: 269.4/118

- sign -0.023+/-0.006 χ^2/NDF: 181.5/59

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.702+/-0.006 χ^2/NDF: 1905726.3/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

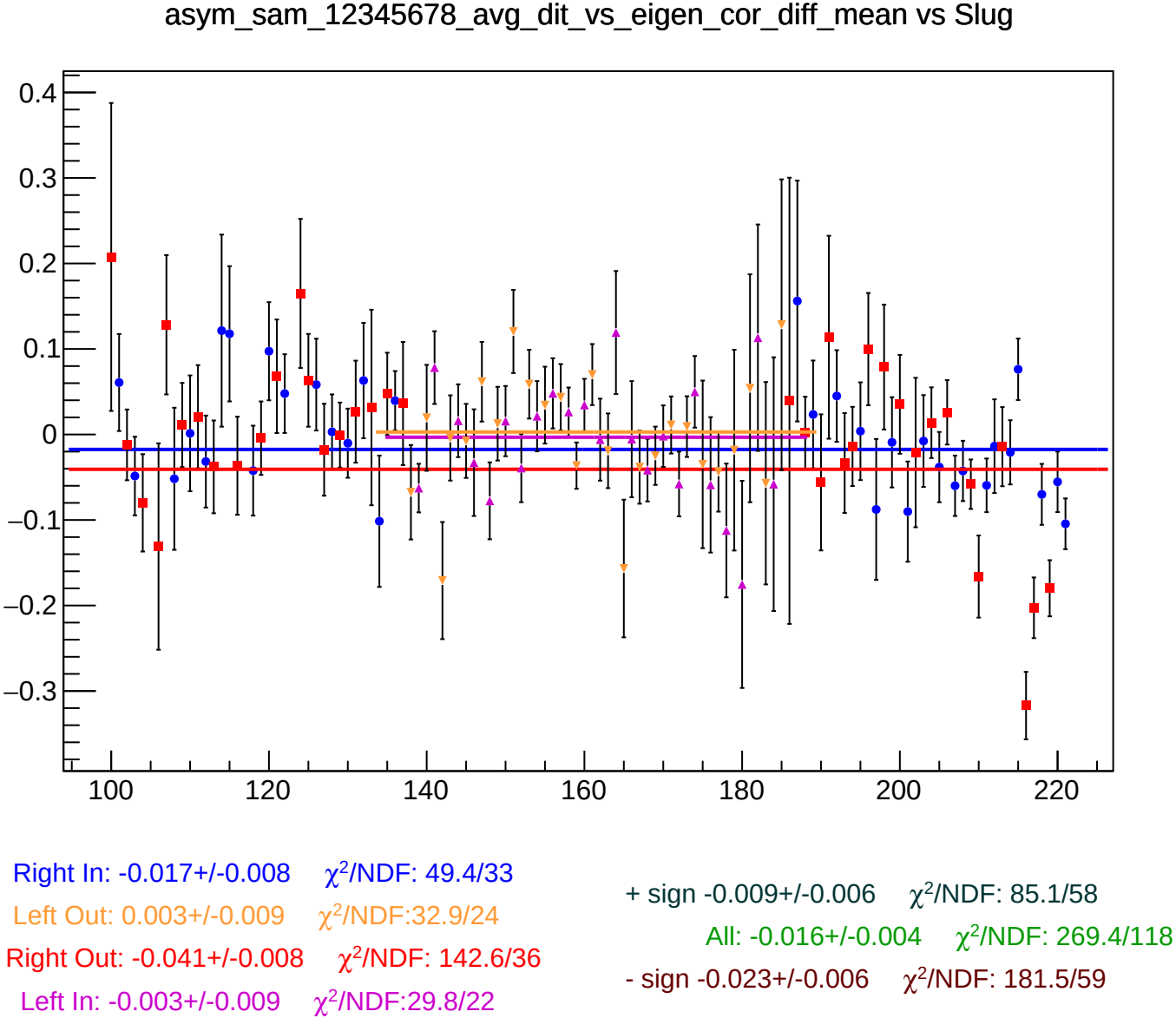
Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

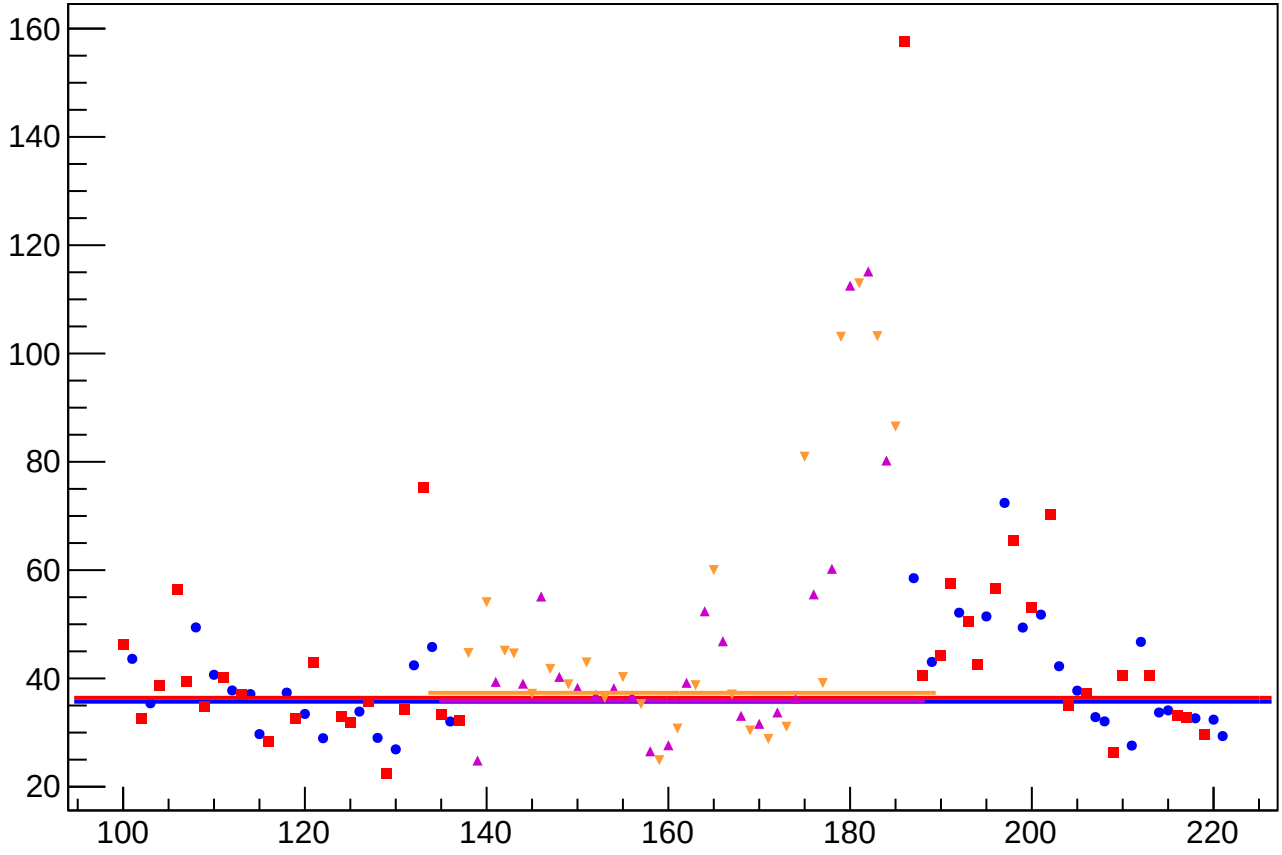
+ sign 36.409+/-0.004 χ^2/NDF: 5638172.5/58

All: 36.295+/-0.003 χ^2/NDF: 11543285.4/118

- sign 36.175+/-0.004 χ^2/NDF: 5903663.5/59


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
220
Right In: -0.017+/-0.008 χ²/NDF: 49.4/33
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.041+/-0.008 χ²/NDF: 142.6/36
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.009+/-0.006 χ²/NDF: 85.1/58
All: -0.016+/-0.004 χ²/NDF: 269.4/118
- sign -0.023+/-0.006 χ²/NDF: 181.5/59

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.702+/-0.006 χ^2/NDF: 1905726.3/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

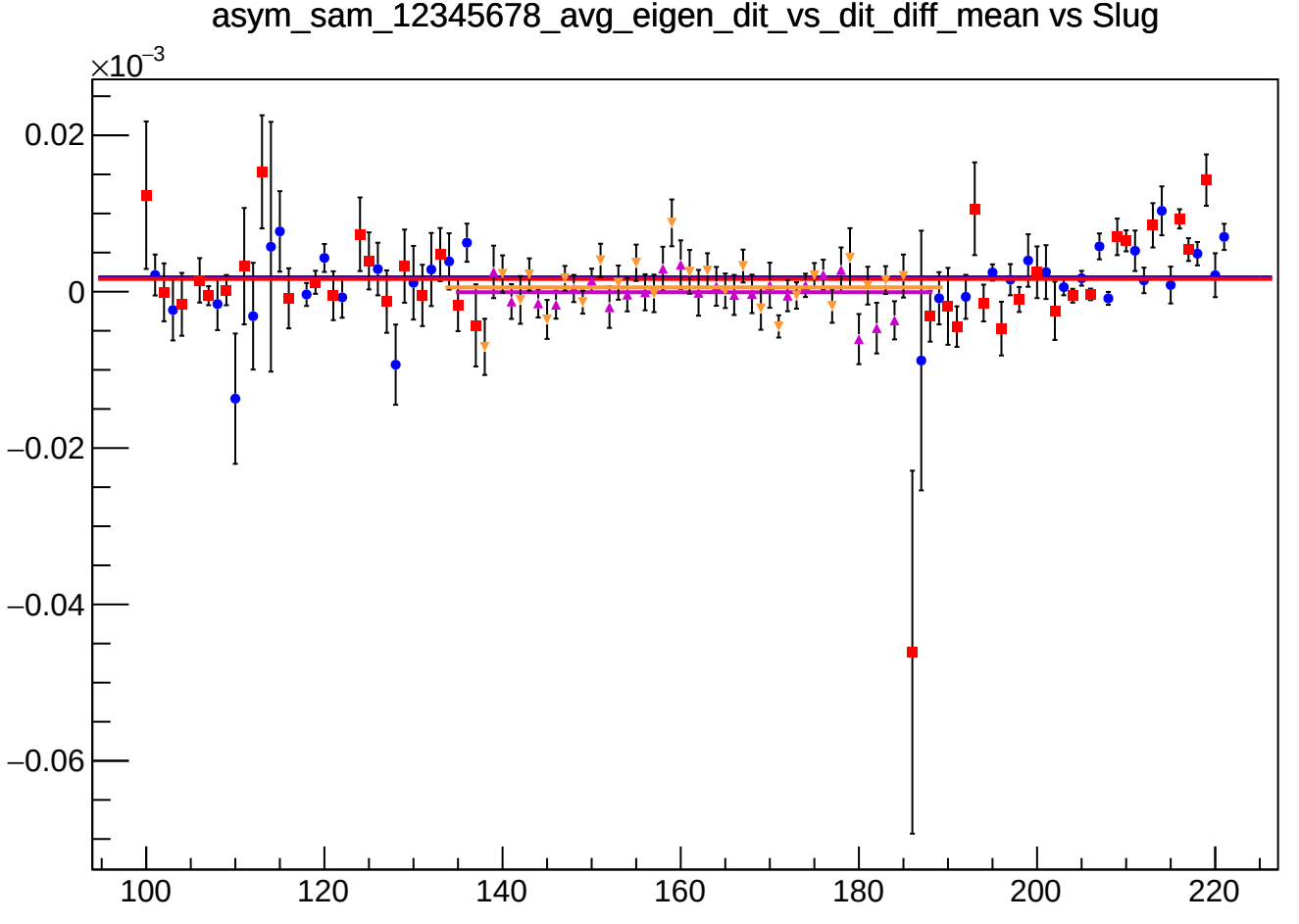
Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638172.5/58

All: 36.295+/-0.003 χ^2/NDF: 11543285.4/118

- sign 36.175+/-0.004 χ^2/NDF: 5903663.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 64.6/33

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

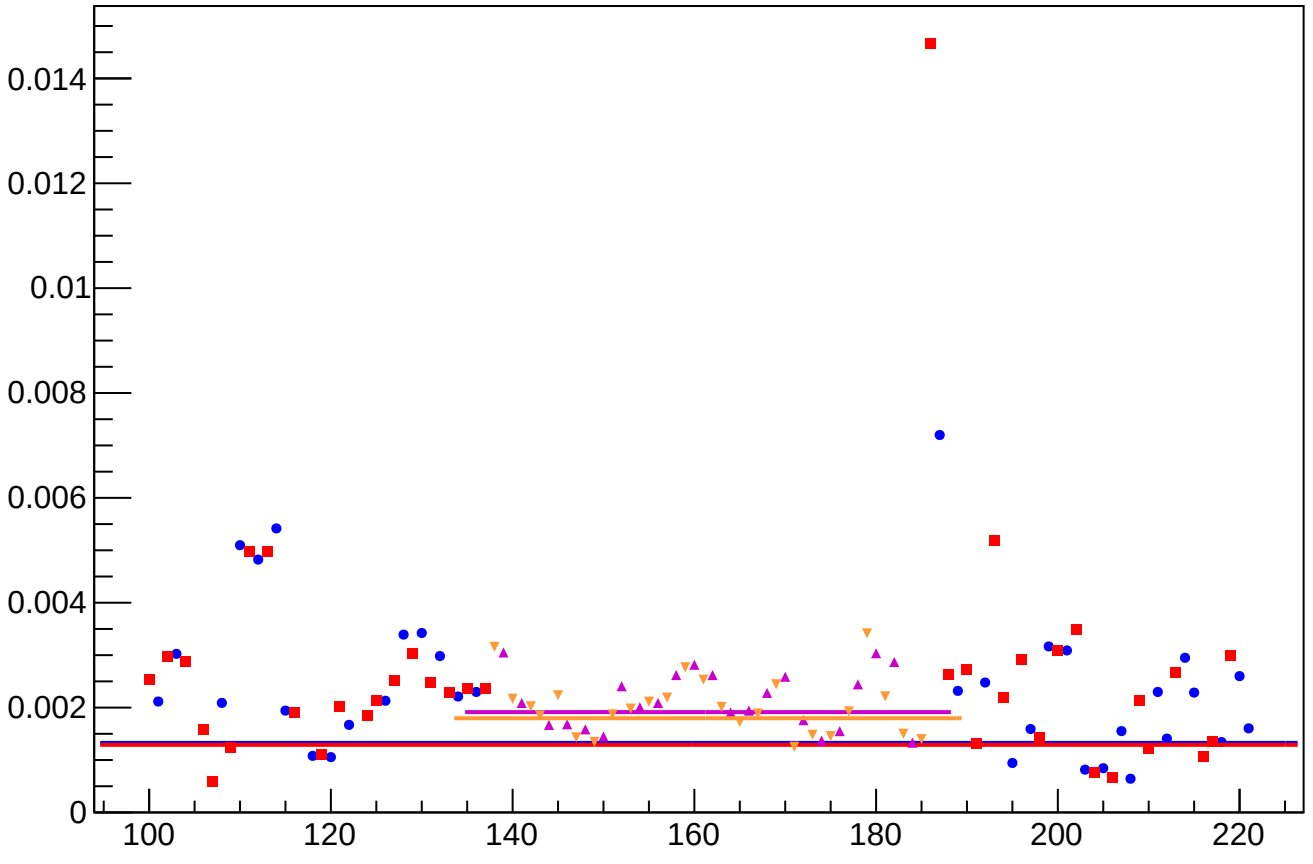
Right Out: 0.000+/-0.000 χ^2/NDF: 138.2/36

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 113.8/58

All: 0.000+/-0.000 χ^2/NDF: 278.3/118

- sign 0.000+/-0.000 χ^2/NDF: 163.9/59



Right In: 0.001+/-0.000 χ^2/NDF: 9649617.5/33

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

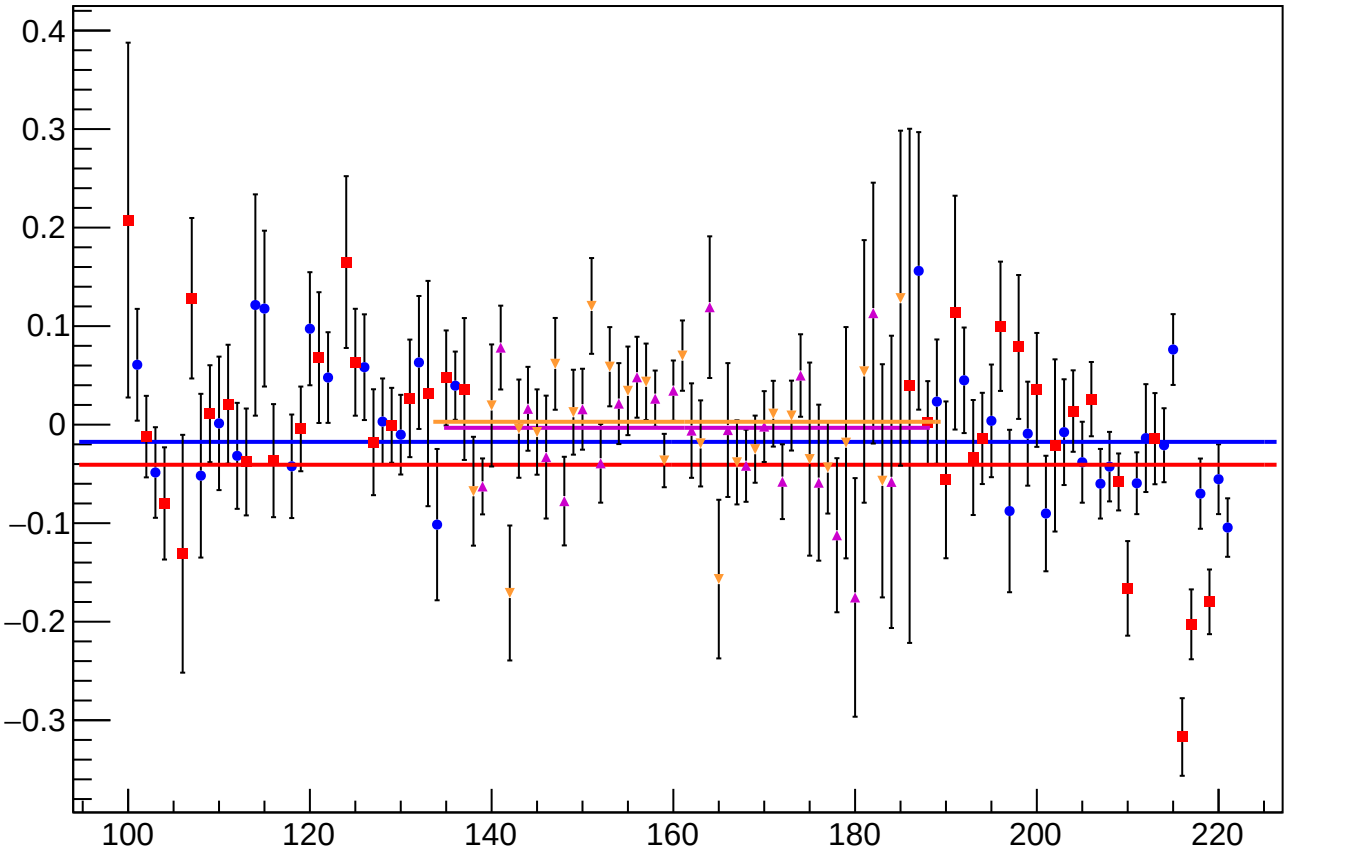
Right Out: 0.001+/-0.000 χ^2/NDF: 11494569.5/36

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 13444386.1/58

All: 0.002+/-0.000 χ^2/NDF: 29467903.7/118

- sign 0.002+/-0.000 χ^2/NDF: 16023477.8/59



Right In: -0.017+/-0.008 χ^2/NDF: 49.4/33

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

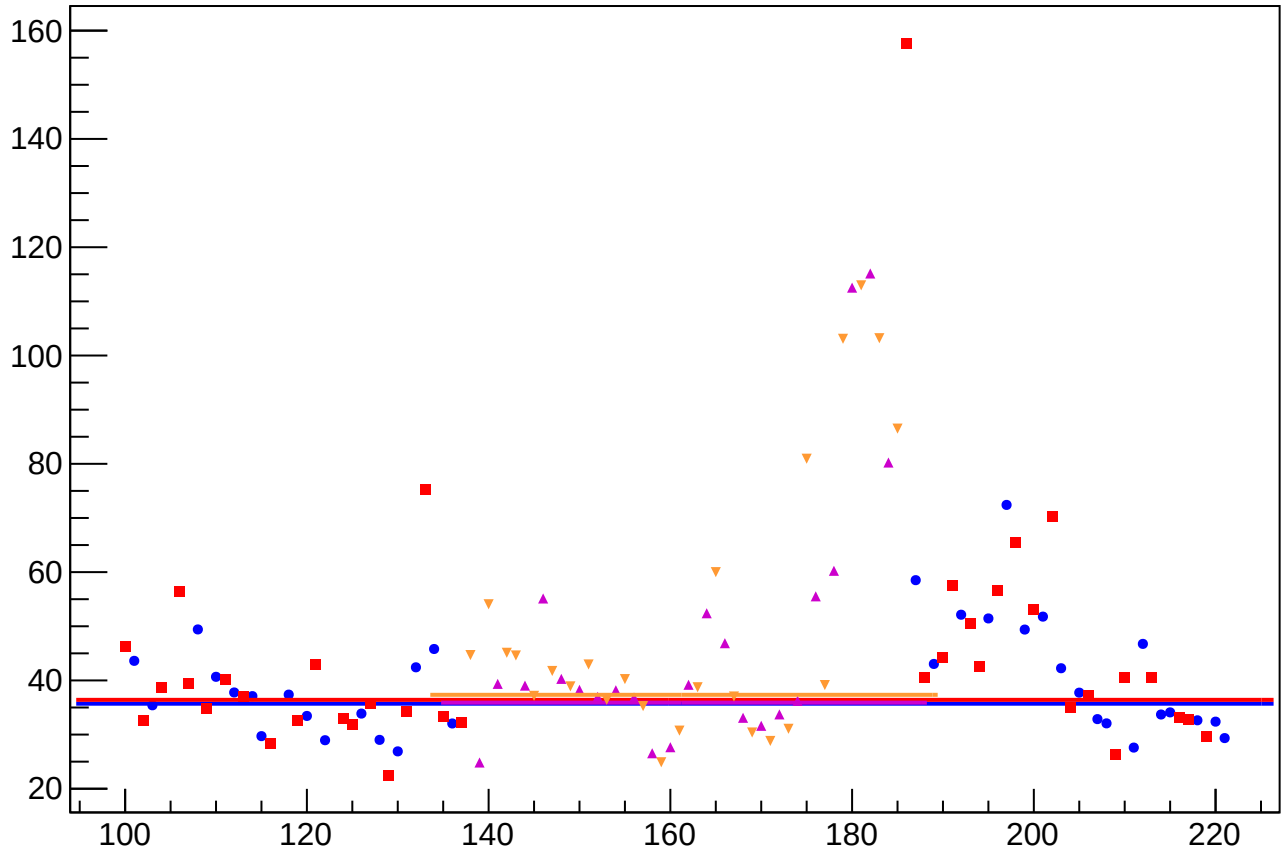
Right Out: -0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.009+/-0.006 χ^2/NDF: 85.1/58

All: -0.016+/-0.004 χ^2/NDF: 269.4/118

- sign -0.023+/-0.006 χ^2/NDF: 181.4/59



Right In: 35.702+/-0.006 χ^2/NDF: 1905782.9/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

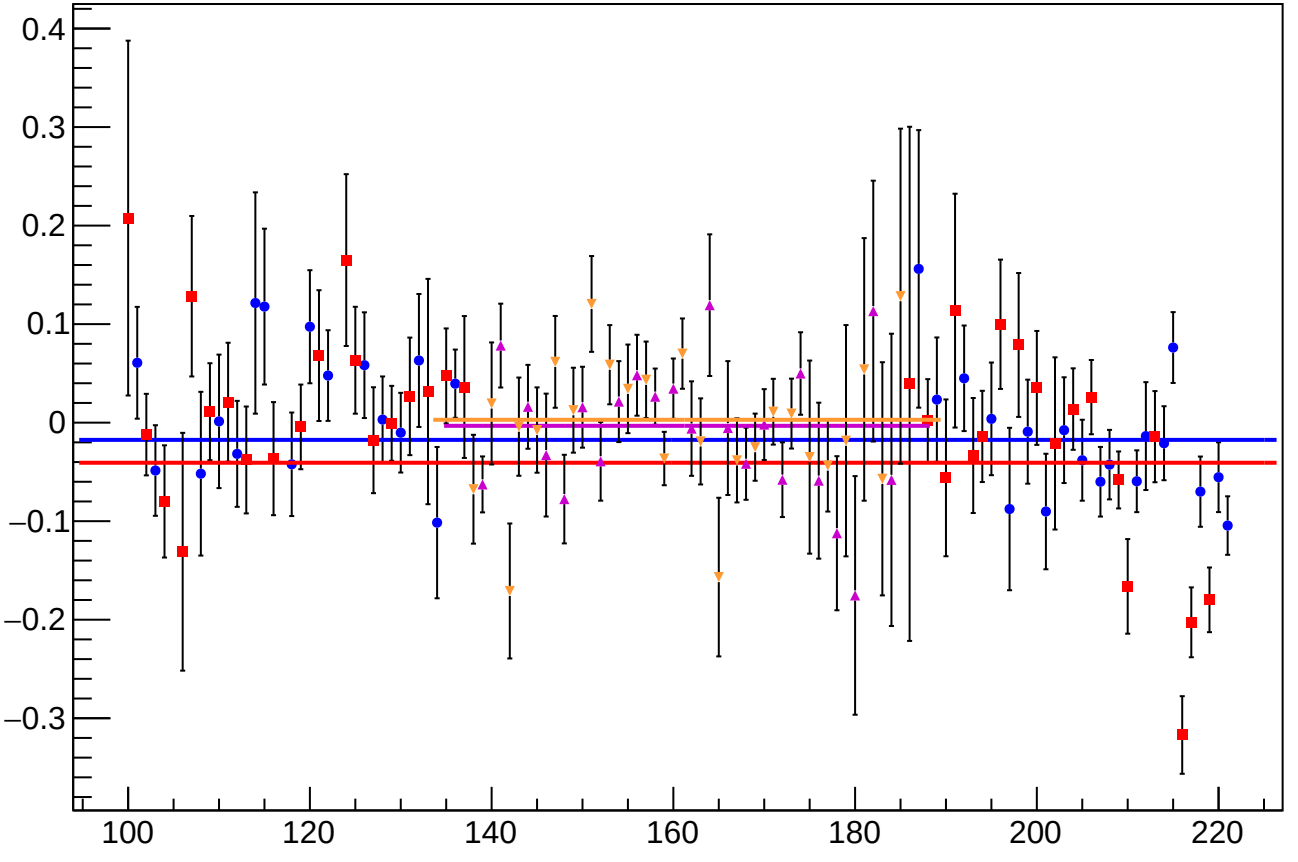
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638307.0/58

All: 36.295+/-0.003 χ^2/NDF: 11543505.5/118

- sign 36.175+/-0.004 χ^2/NDF: 5903750.8/59

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.008 χ^2/NDF: 49.4/33

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.041+/-0.008 χ^2/NDF: 142.6/36

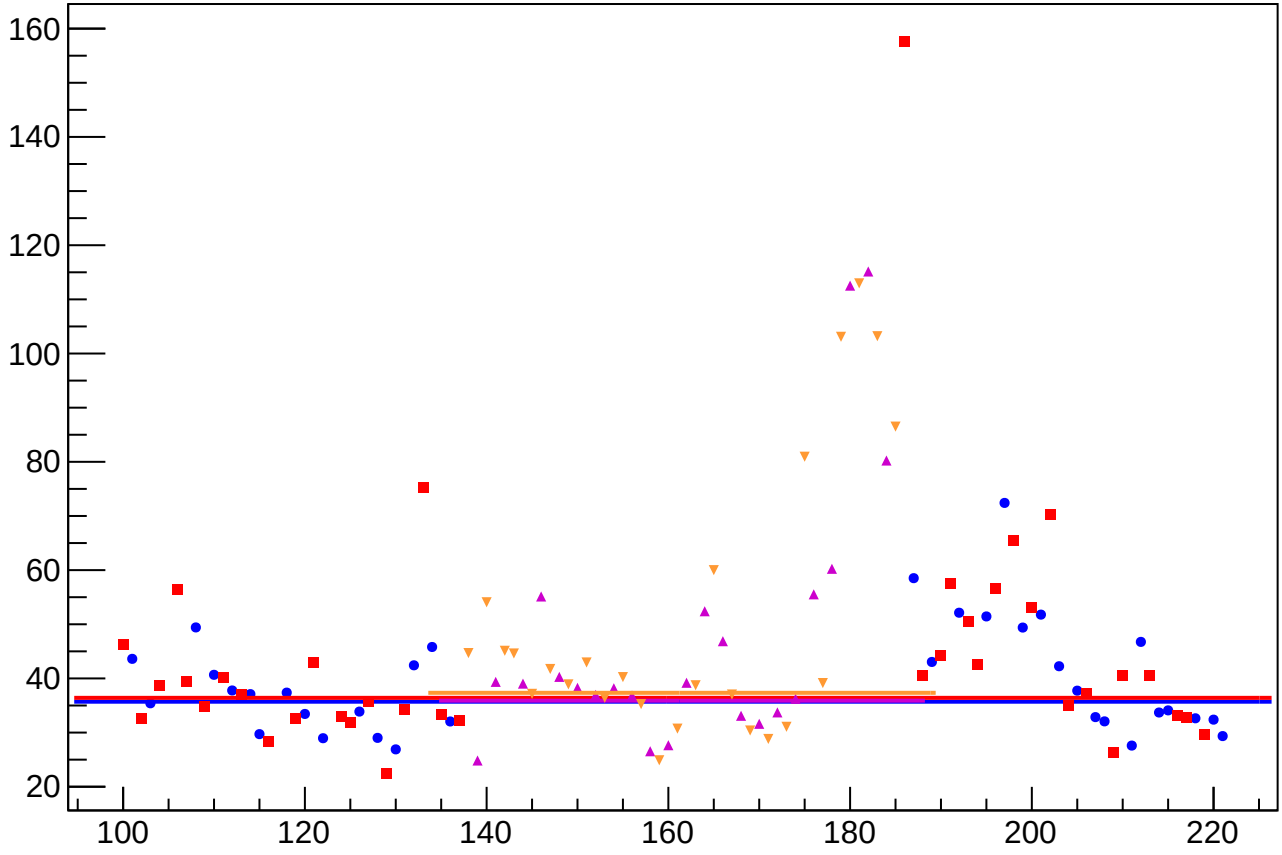
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.009+/-0.006 χ^2/NDF: 85.1/58

All: -0.016+/-0.004 χ^2/NDF: 269.4/118

- sign -0.023+/-0.006 χ^2/NDF: 181.4/59

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.702+/-0.006 χ^2/NDF: 1905782.9/33

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

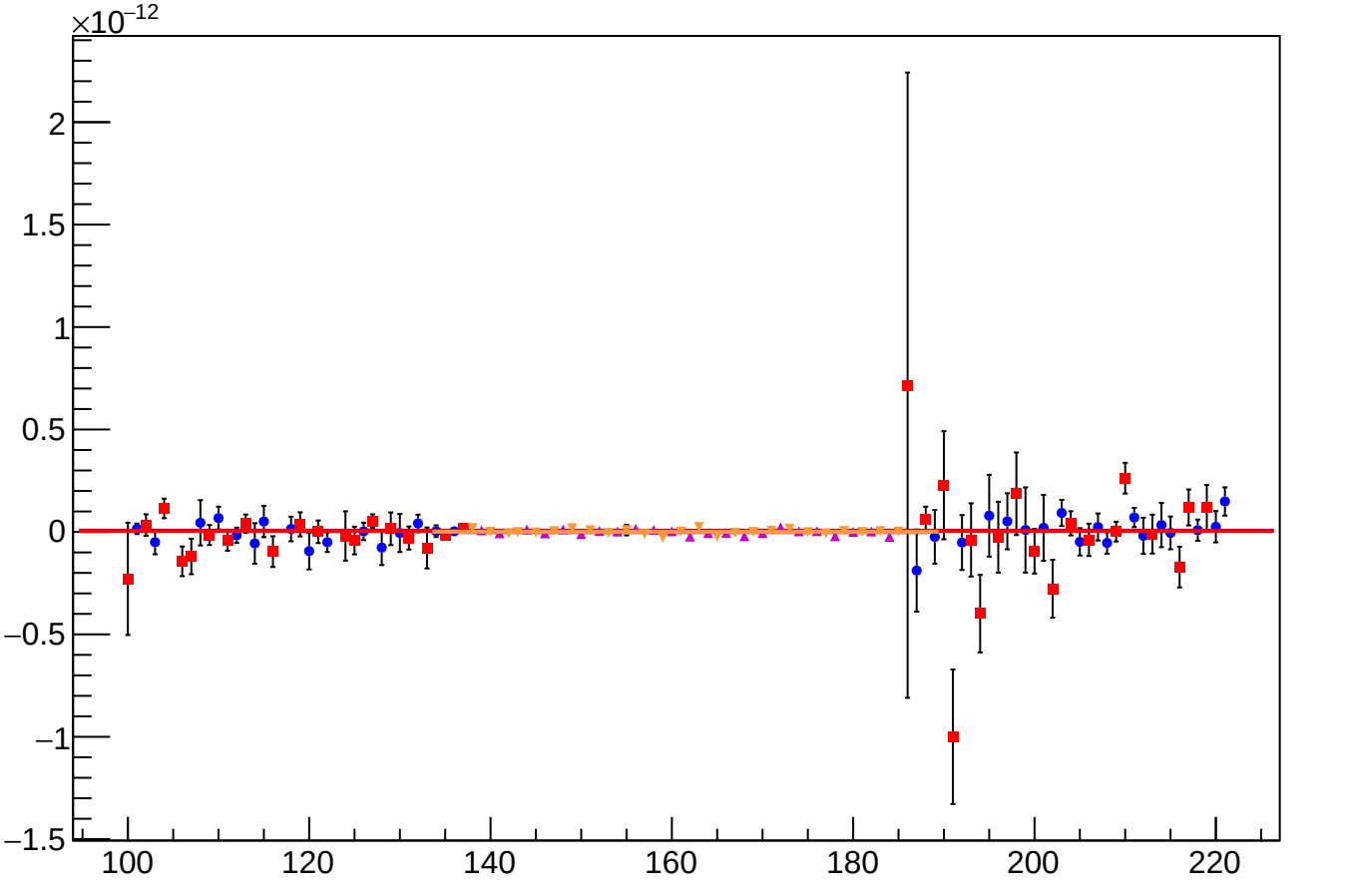
Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.409+/-0.004 χ^2/NDF: 5638307.0/58

All: 36.295+/-0.003 χ^2/NDF: 11543505.5/118

- sign 36.175+/-0.004 χ^2/NDF: 5903750.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/33

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

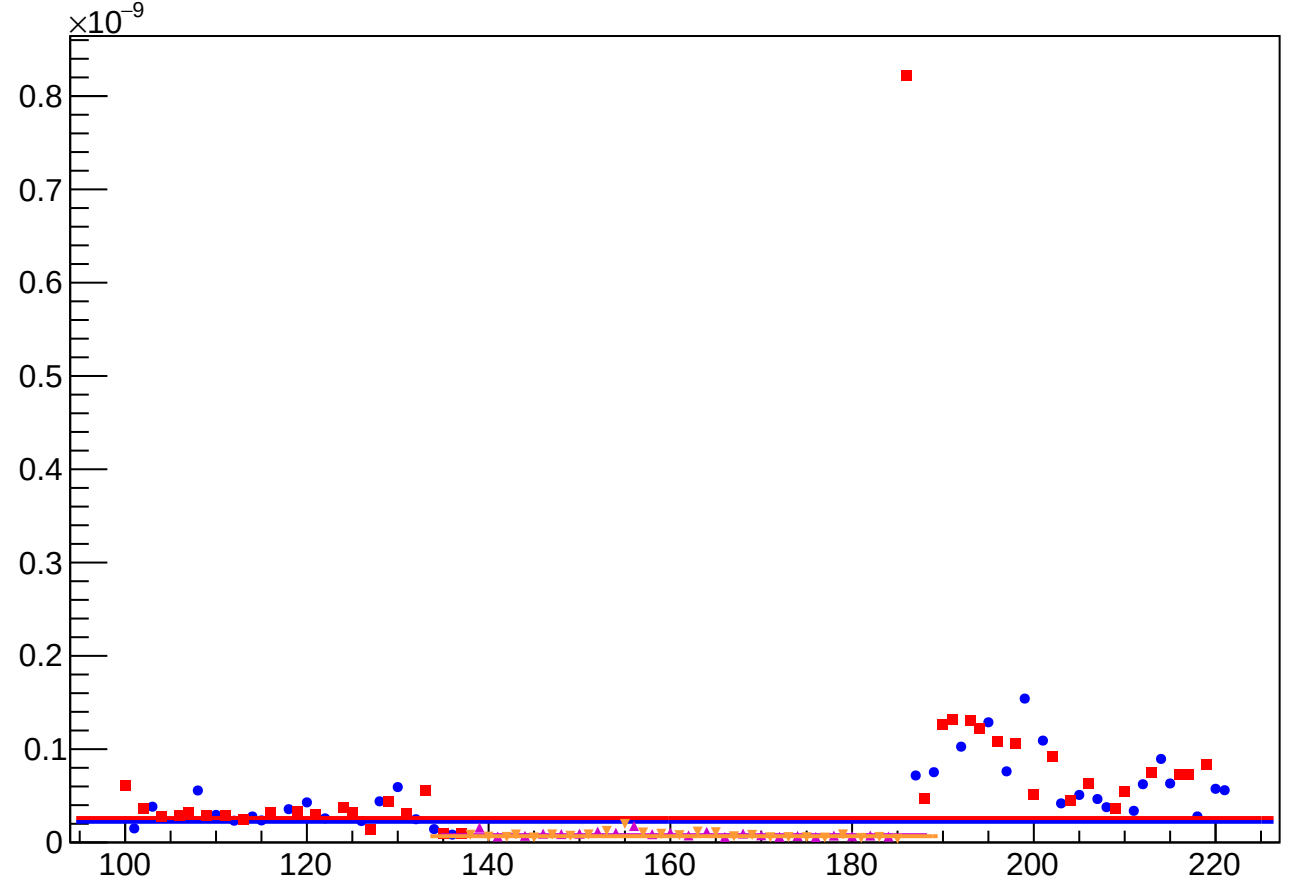
Right Out: 0.000+/-0.000 χ^2/NDF: 61.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.3/58

All: 0.000+/-0.000 χ^2/NDF: 132.5/118

- sign -0.000+/-0.000 χ^2/NDF: 90.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 11074075.4/33

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10223326.8/36

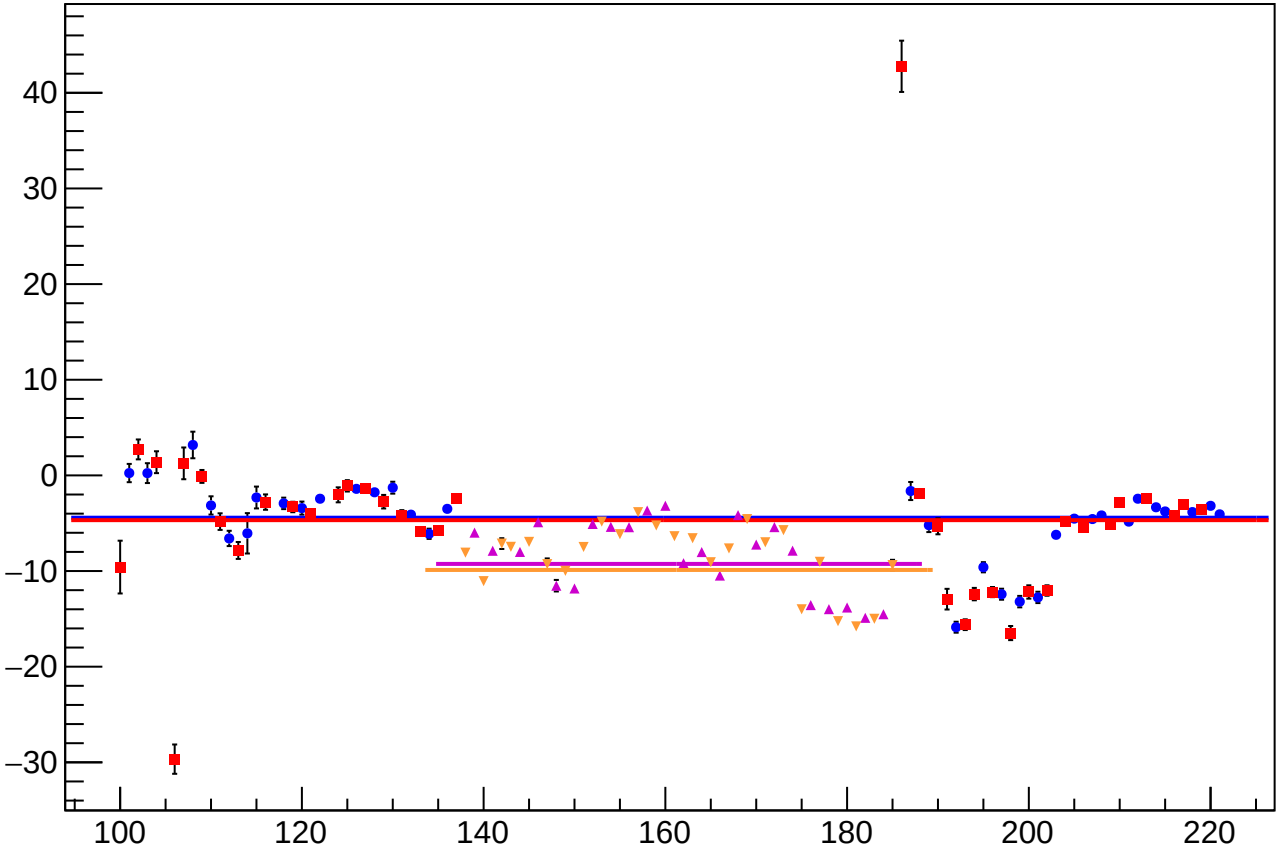
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20470516.2/58

All: 0.000+/-0.000 χ^2/NDF: 39995228.6/118

- sign 0.000+/-0.000 χ^2/NDF: 19212130.9/59

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.424+/-0.075 χ^2/NDF: 1426.7/33

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.680+/-0.079 χ^2/NDF: 2446.4/36

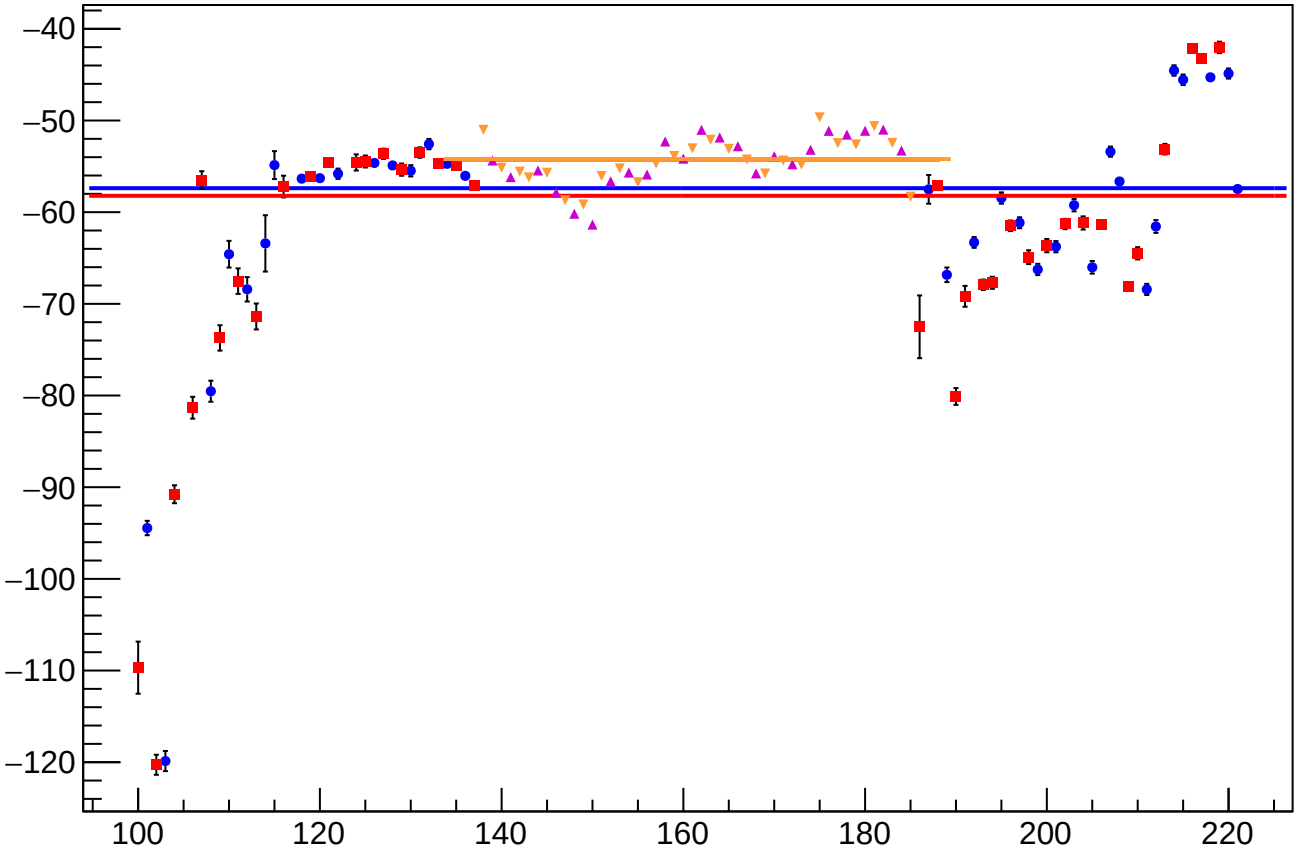
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -7.359+/-0.051 χ^2/NDF: 7489.5/58

All: -7.283+/-0.037 χ^2/NDF: 14840.4/118

- sign -7.200+/-0.053 χ^2/NDF: 7346.3/59

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.382+/-0.098 χ^2/NDF: 9518.6/33

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.213+/-0.101 χ^2/NDF: 10177.8/36

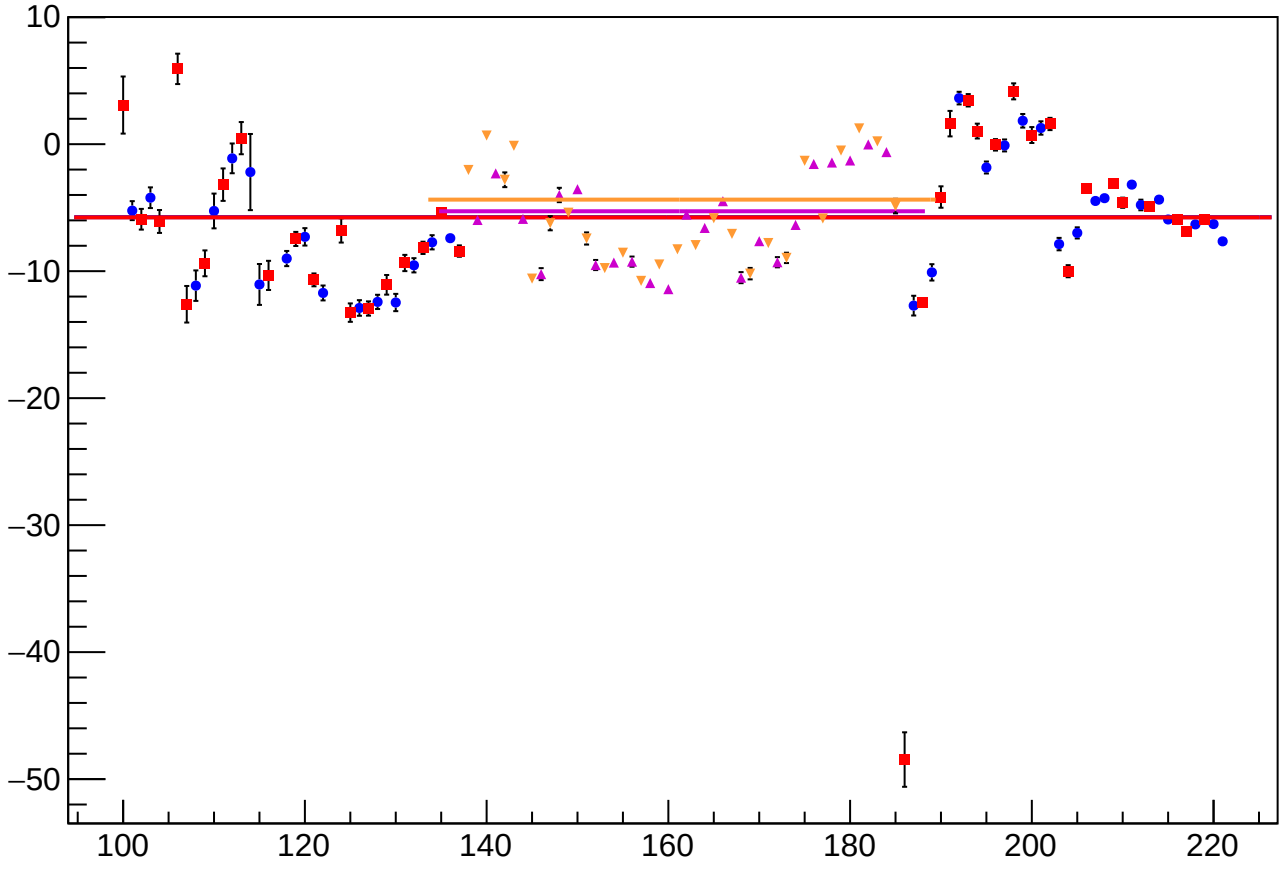
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.983+/-0.049 χ^2/NDF: 12167.6/58

All: -55.108+/-0.035 χ^2/NDF: 25997.1/118

- sign -55.244+/-0.051 χ^2/NDF: 13815.6/59

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.749+/-0.078 χ^2/NDF: 1938.8/33

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.765+/-0.082 χ^2/NDF: 3287.8/36

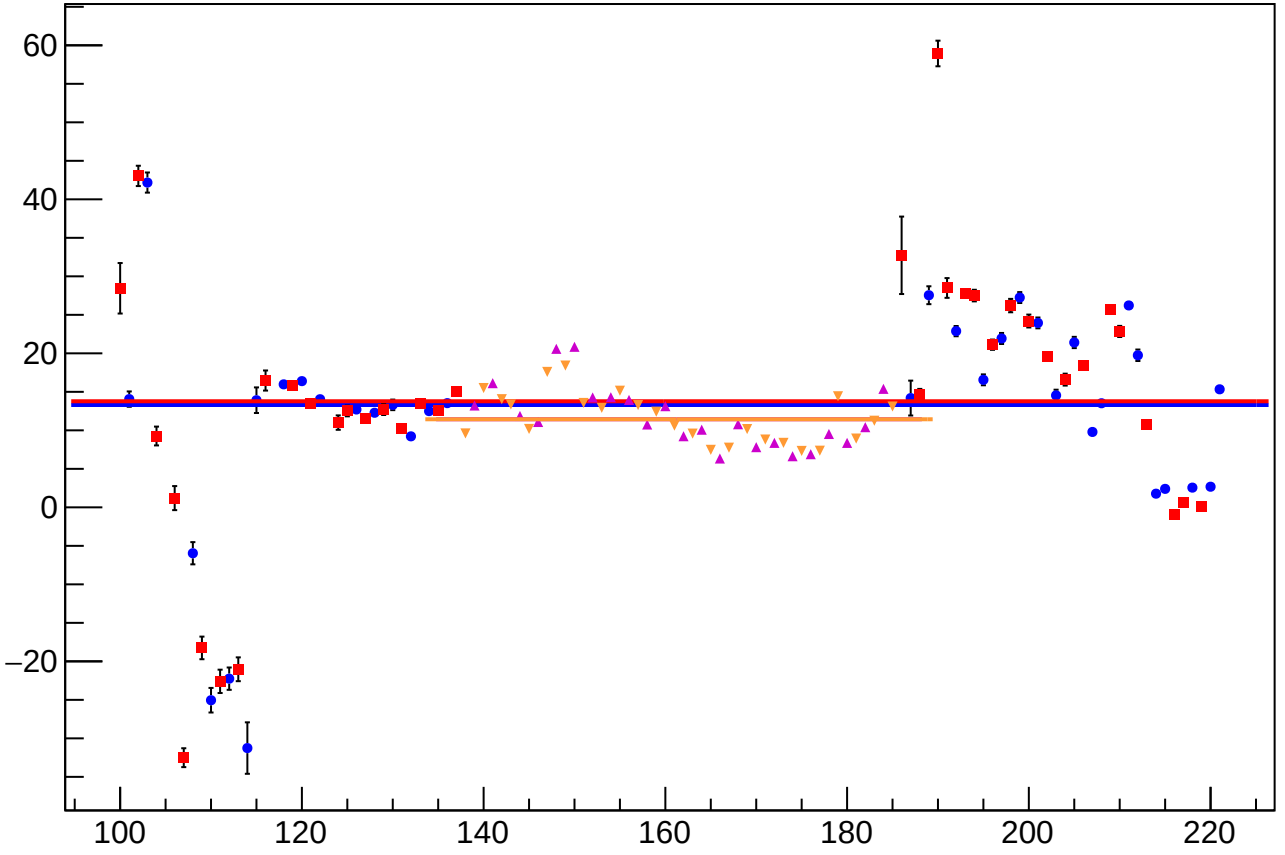
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.978+/-0.052 χ^2/NDF: 5816.5/58

All: -5.225+/-0.037 χ^2/NDF: 11921.9/118

- sign -5.491+/-0.054 χ^2/NDF: 6057.9/59

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.292+/-0.108 χ^2/NDF: 5482.6/33

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 13.776+/-0.113 χ^2/NDF: 8384.2/36

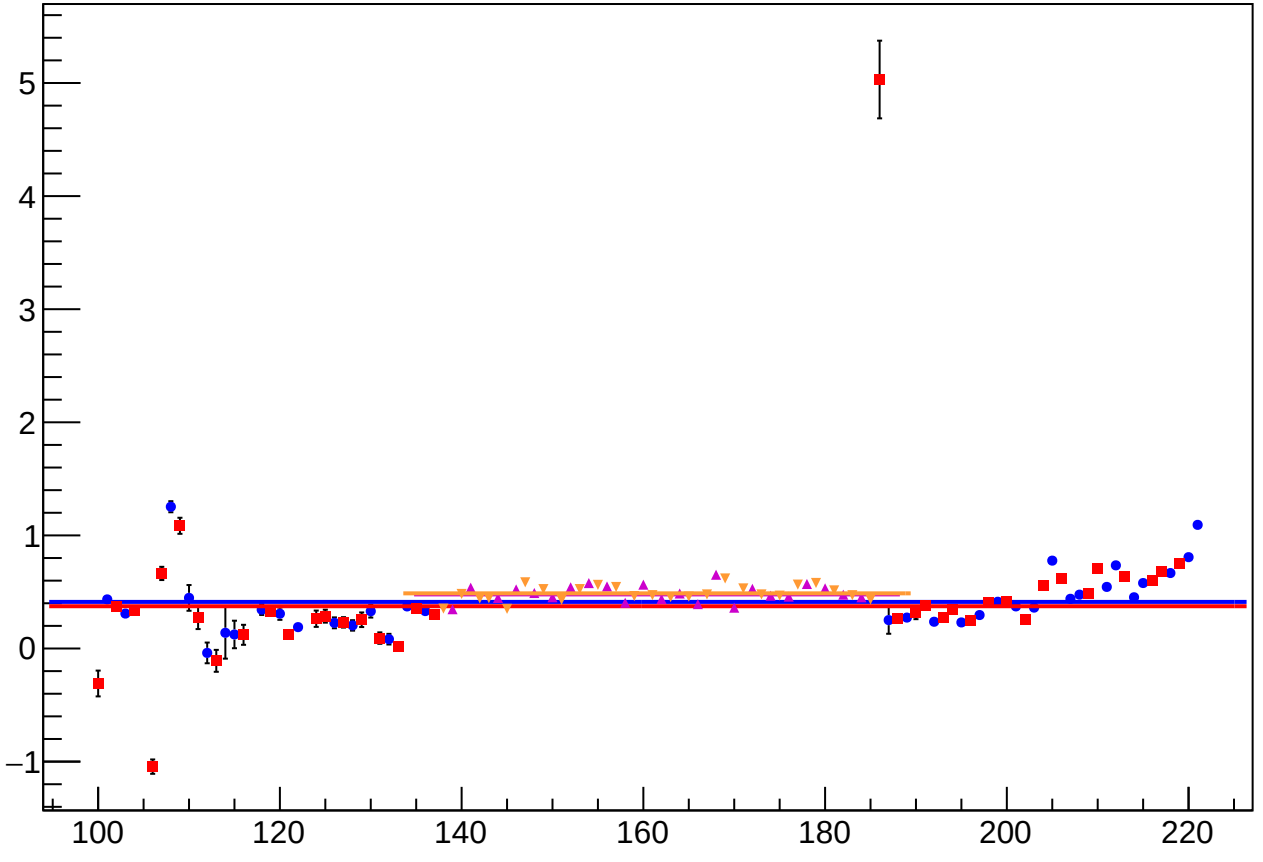
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

\+ sign 11.896+/-0.054 χ^2/NDF: 8139.4/58

All: 11.950+/-0.039 χ^2/NDF: 20205.2/118

\- sign 12.008+/-0.056 χ^2/NDF: 12063.7/59

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.412+/-0.005 χ^2/NDF: 1621.3/33

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.374+/-0.005 χ^2/NDF: 1785.4/36

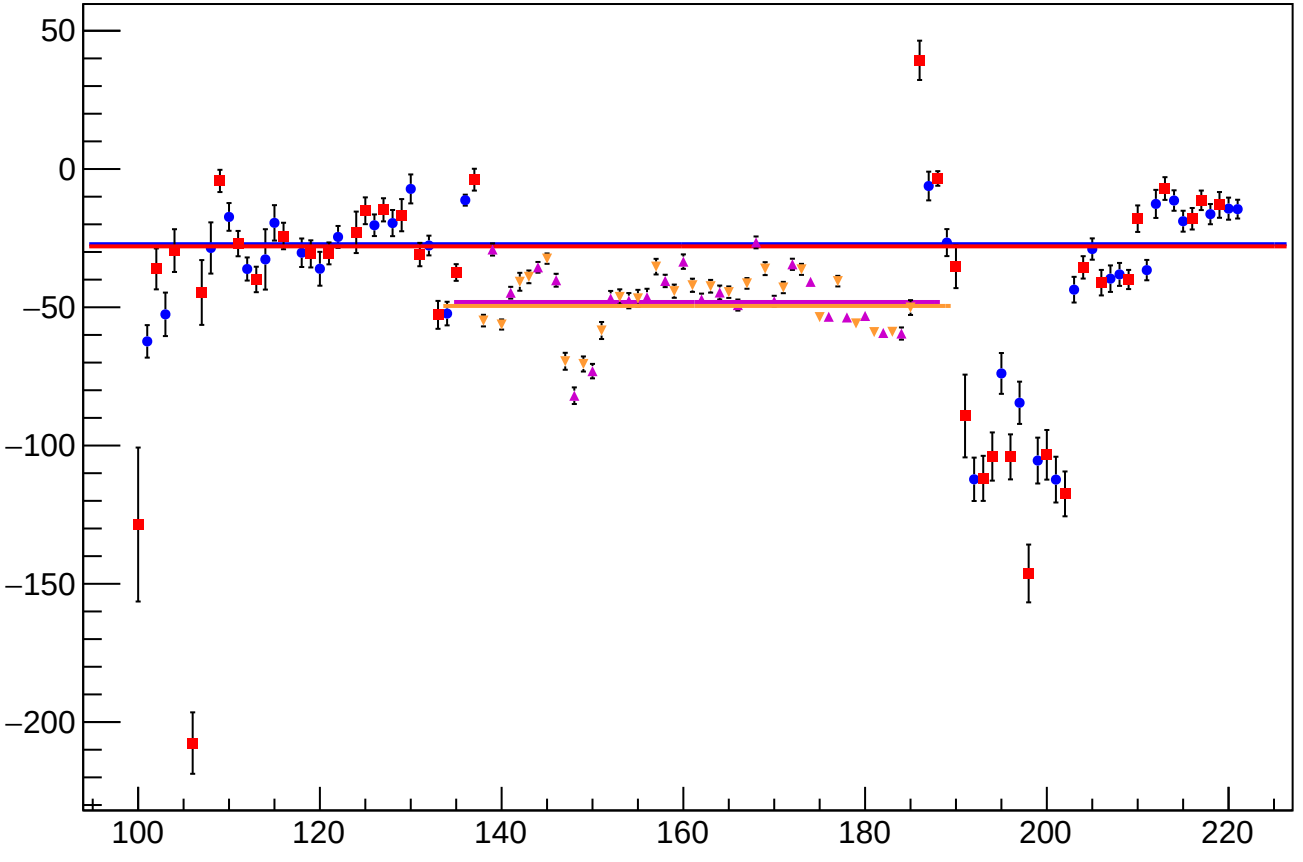
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.470+/-0.002 χ^2/NDF: 2341.6/58

All: 0.463+/-0.002 χ^2/NDF: 5268.5/118

- sign 0.455+/-0.002 χ^2/NDF: 2907.4/59

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -27.186+/-0.766 χ^2/NDF: 700.9/33

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.971+/-0.810 χ^2/NDF: 1290.0/36

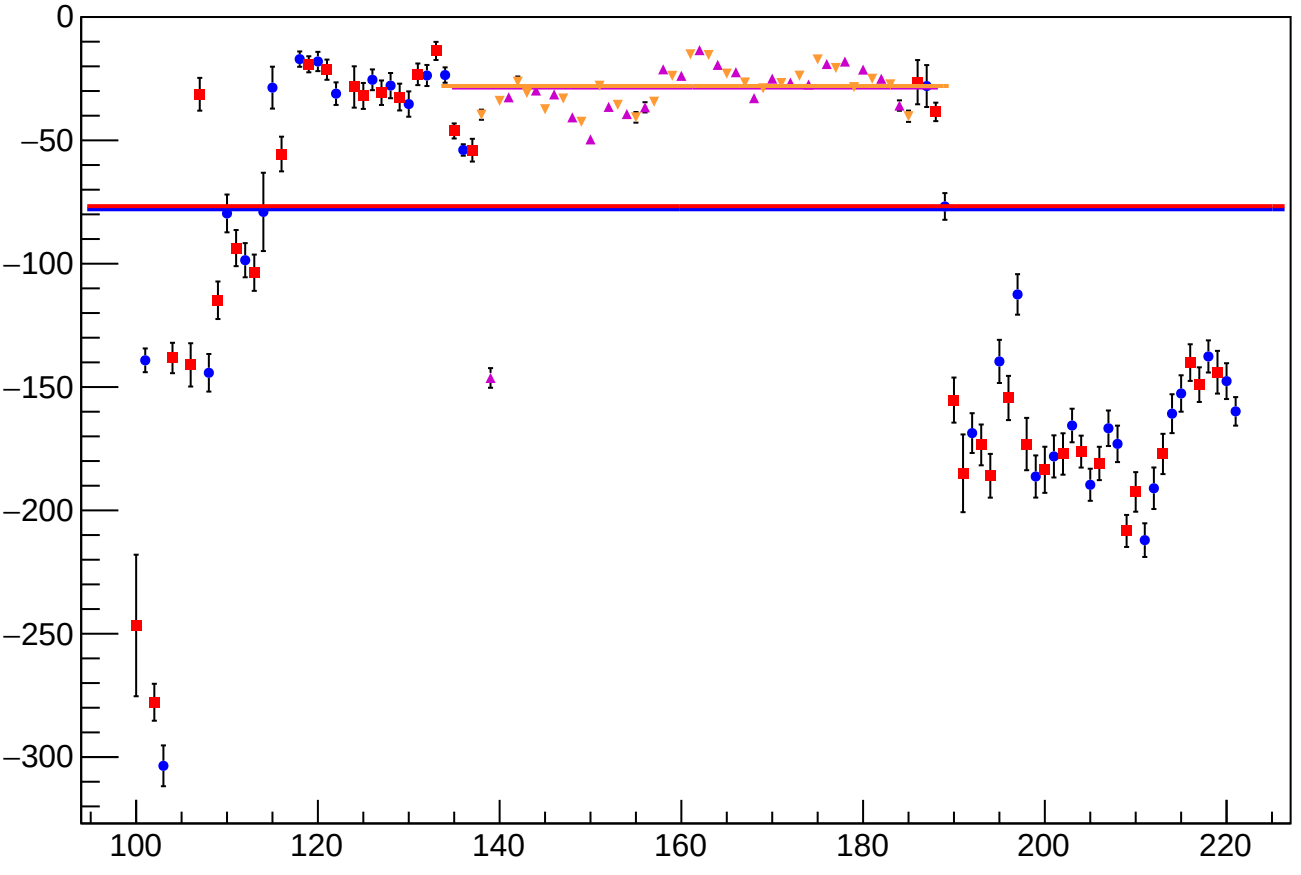
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -44.691+/-0.356 χ^2/NDF: 1942.5/58

All: -44.288+/-0.257 χ^2/NDF: 4428.2/118

- sign -43.849+/-0.372 χ^2/NDF: 2483.0/59

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -77.939+/-0.925 χ^2/NDF: 5102.9/33

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -76.674+/-0.980 χ^2/NDF: 4792.1/36

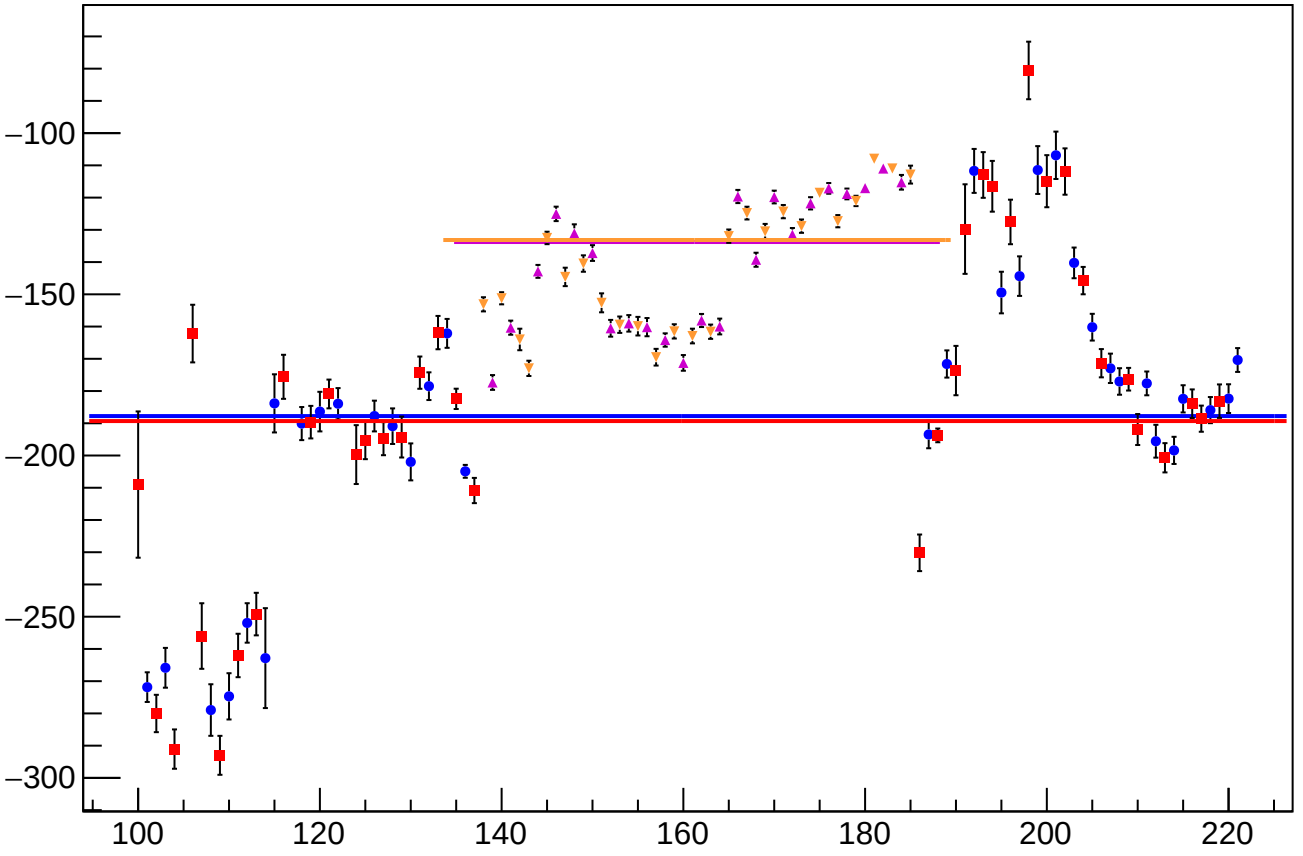
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -33.334+/-0.303 χ^2/NDF: 8207.0/58

All: -33.454+/-0.219 χ^2/NDF: 16636.9/118

\- sign -33.585+/-0.316 χ^2/NDF: 8429.5/59

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -187.770+/-0.801 χ^2/NDF: 1678.6/33

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.315+/-0.840 χ^2/NDF: 2008.2/36

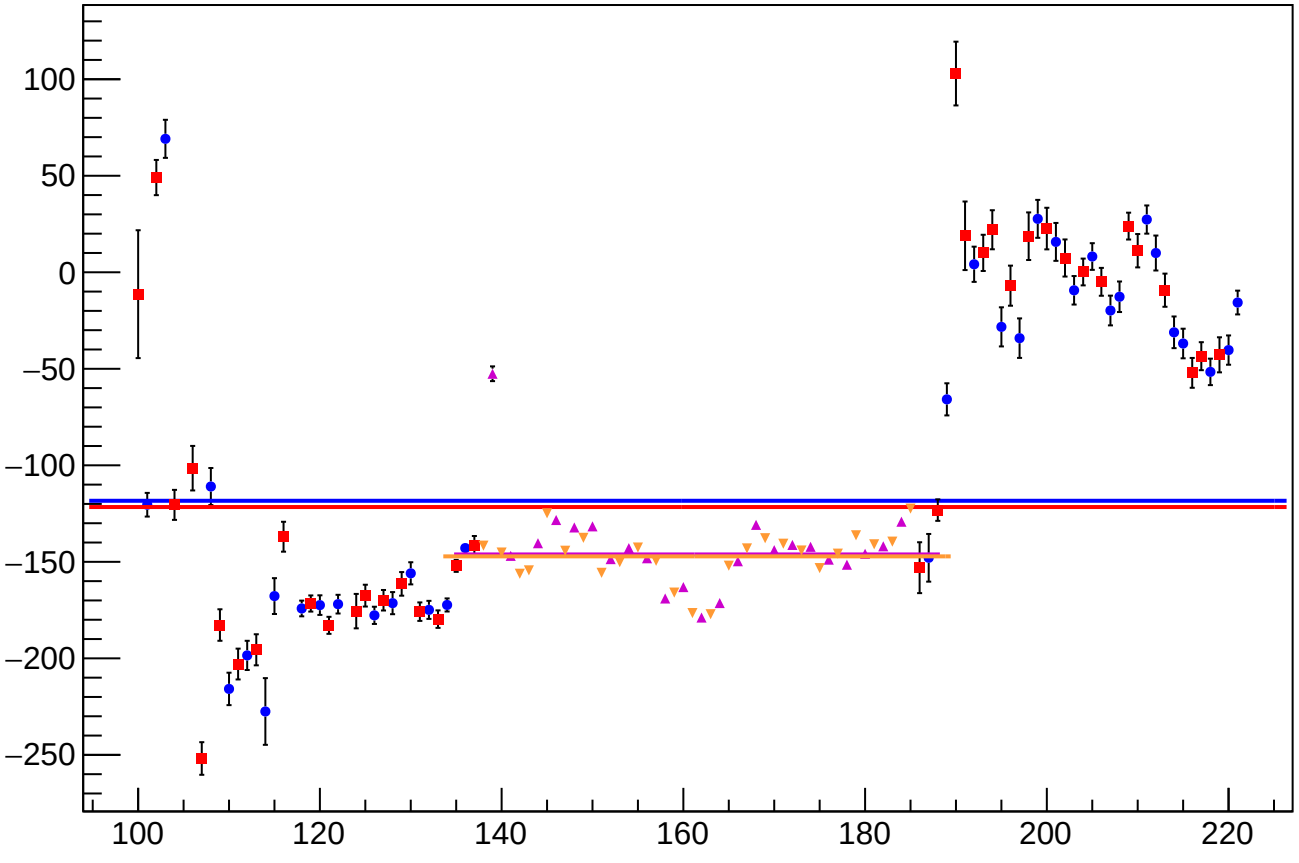
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -144.184+/-0.360 χ^2/NDF: 7919.4/58

All: -144.462+/-0.259 χ^2/NDF: 15878.1/118

- sign -144.762+/-0.373 χ^2/NDF: 7957.5/59

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -118.371+/-1.032 χ^2/NDF: 4897.1/33

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -121.613+/-1.113 χ^2/NDF: 4769.4/36

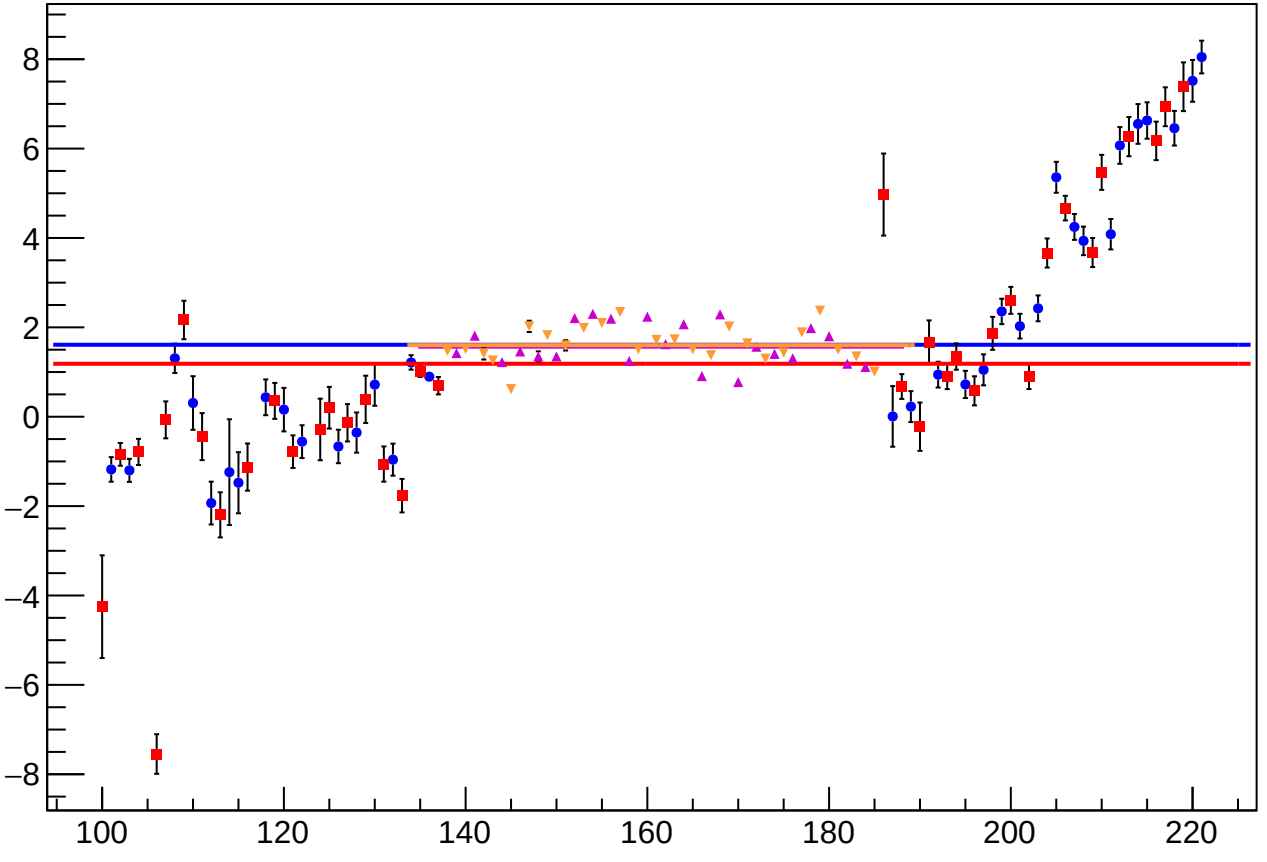
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -144.073+/-0.338 χ^2/NDF: 6837.5/58

All: -143.904+/-0.244 χ^2/NDF: 13839.5/118

- sign -143.723+/-0.352 χ^2/NDF: 7001.4/59

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.610+/-0.051 χ^2/NDF: 1913.6/33

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.185+/-0.055 χ^2/NDF: 1793.7/36

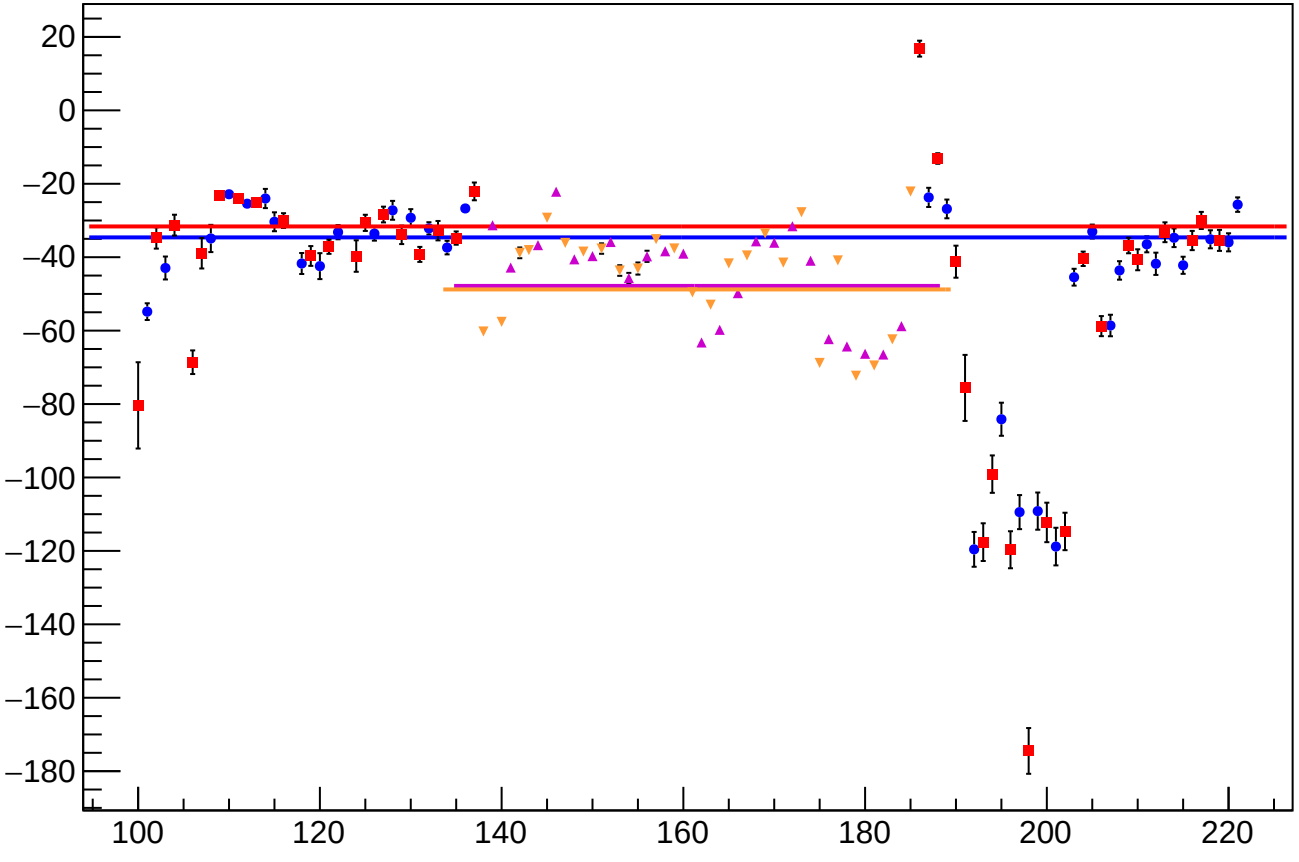
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.602+/-0.015 χ^2/NDF: 2495.4/58

All: 1.570+/-0.011 χ^2/NDF: 5078.4/118

- sign 1.536+/-0.016 χ^2/NDF: 2573.9/59

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.604+/-0.376 χ^2/NDF: 1692.9/33

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.622+/-0.372 χ^2/NDF: 2958.1/36

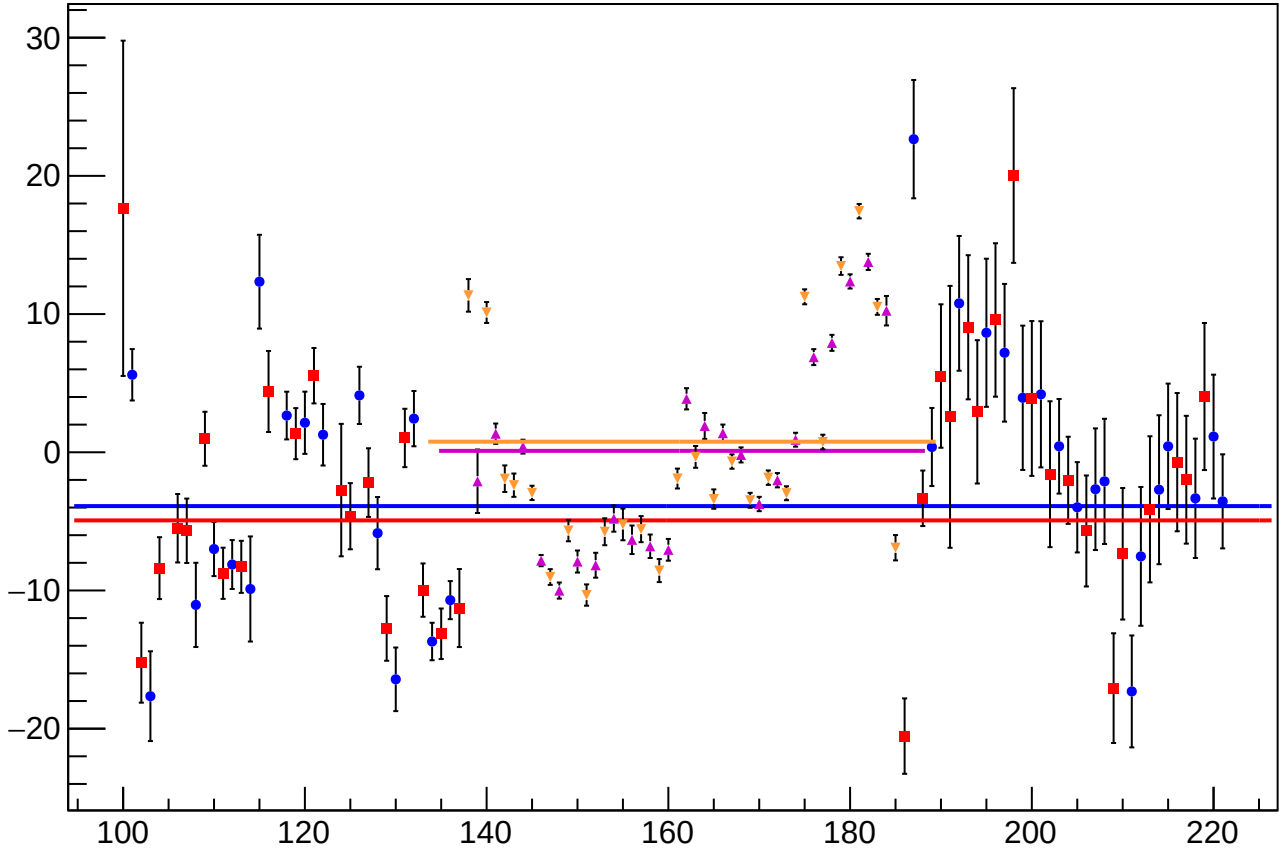
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.452+/-0.152 χ^2/NDF: 11835.0/58

All: -45.747+/-0.109 χ^2/NDF: 23629.5/118

- sign -45.022+/-0.155 χ^2/NDF: 11751.1/59

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.896+/-0.453 χ^2/NDF: 322.3/33

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.929+/-0.461 χ^2/NDF: 224.1/36

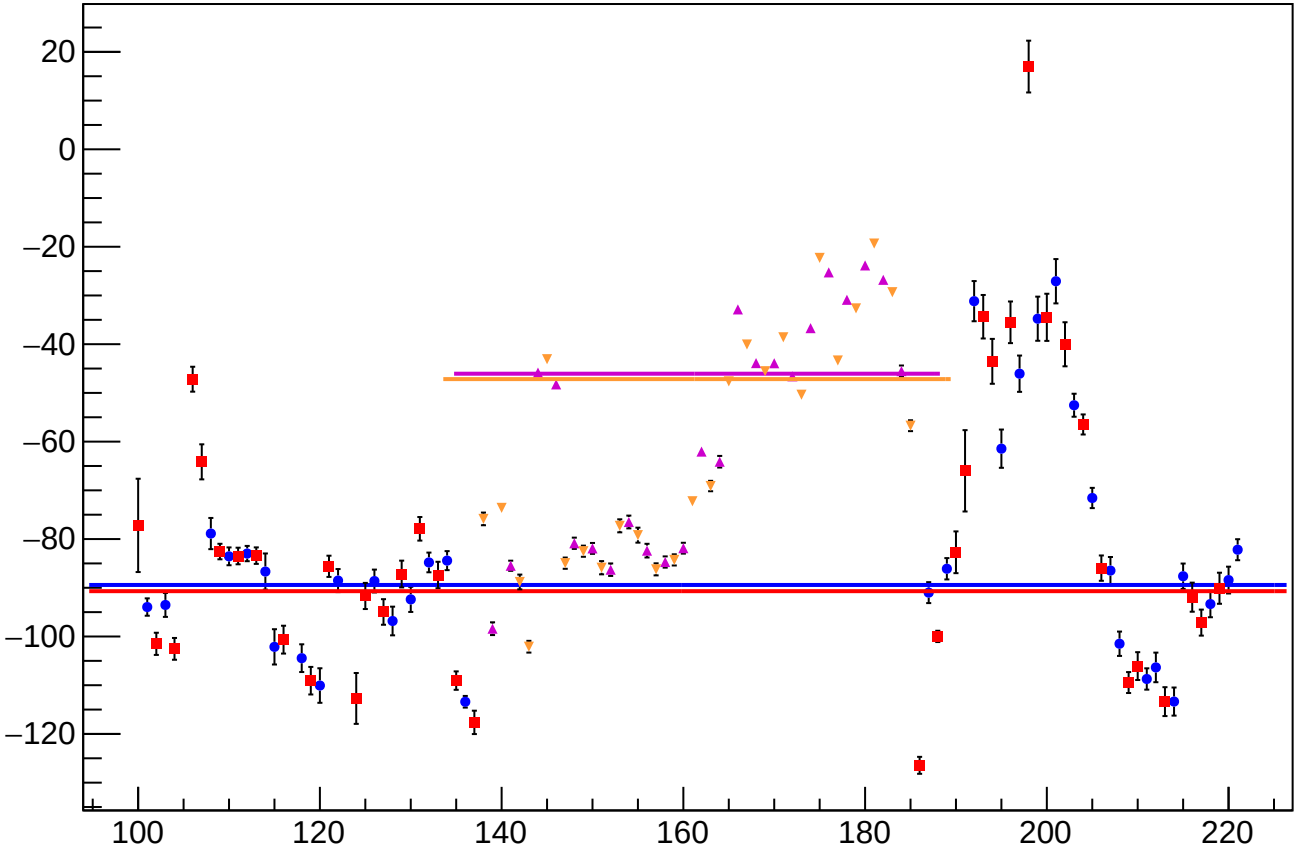
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.399+/-0.127 χ^2/NDF: 3887.1/58

All: 0.059+/-0.090 χ^2/NDF: 6957.3/118

- sign -0.284+/-0.128 χ^2/NDF: 3055.8/59

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.421+/-0.410 χ^2/NDF: 1799.6/33

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.696+/-0.408 χ^2/NDF: 2839.4/36

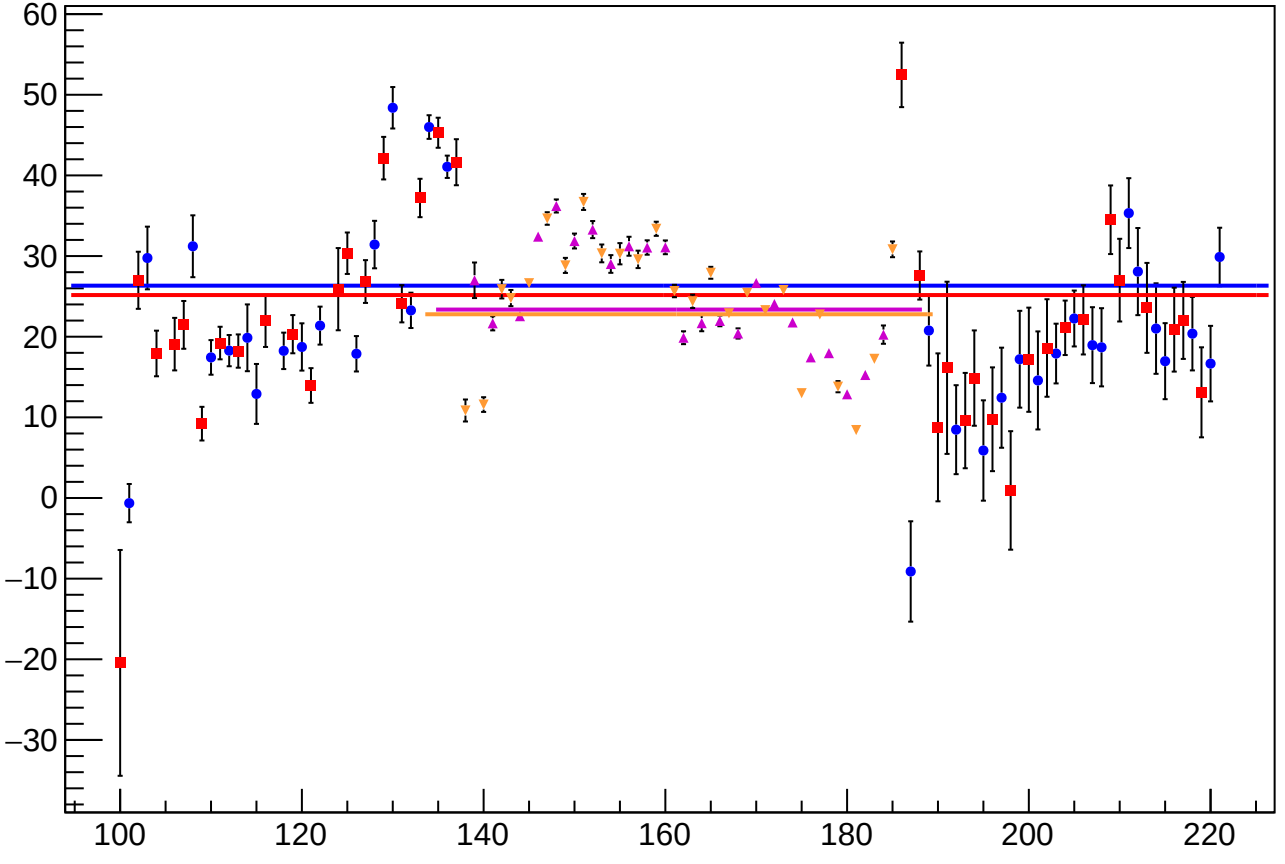
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -53.218+/-0.155 χ^2/NDF: 28565.7/58

All: -52.946+/-0.110 χ^2/NDF: 56371.3/118

- sign -52.668+/-0.157 χ^2/NDF: 27799.3/59

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.329+/-0.507 χ^2/NDF: 686.5/33

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.164+/-0.527 χ^2/NDF: 448.2/36

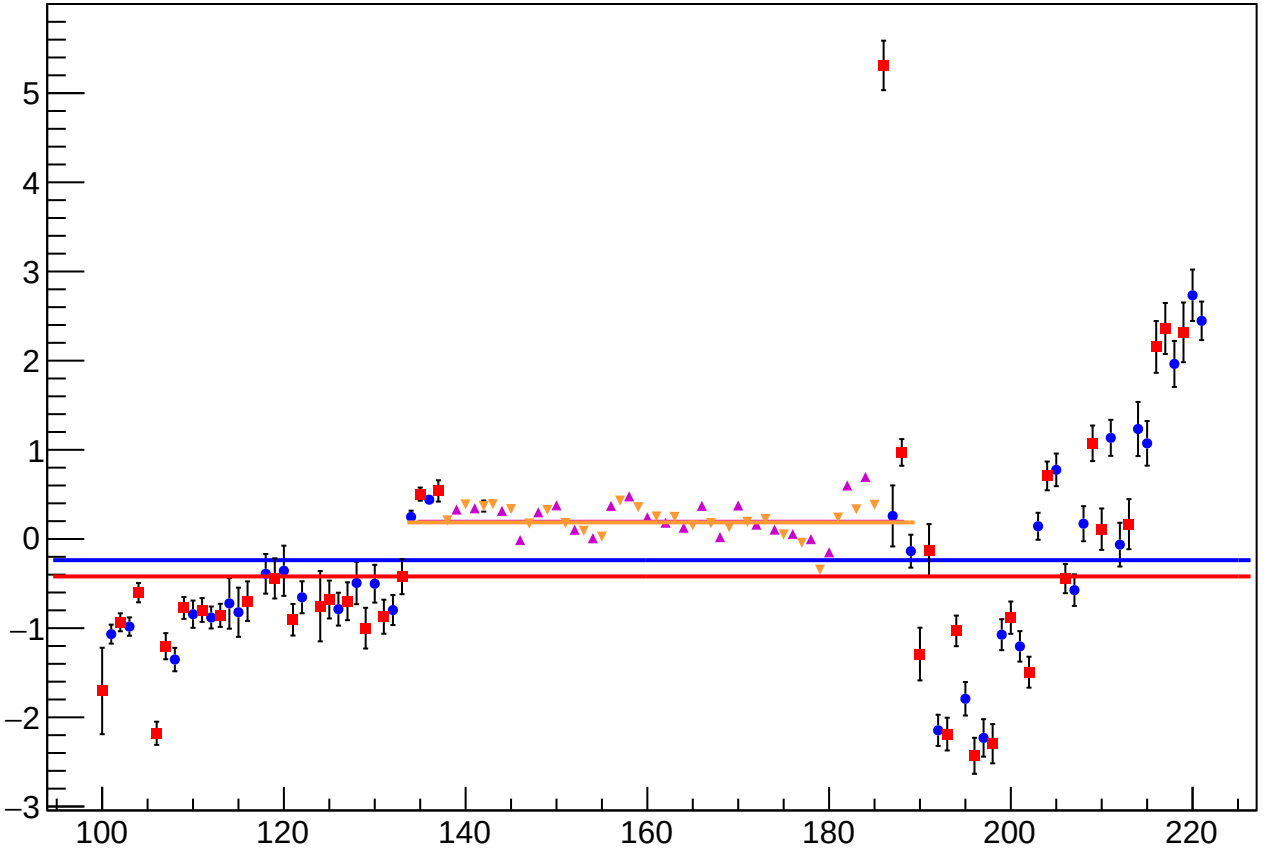
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.058+/-0.141 χ^2/NDF: 3144.6/58

All: 23.275+/-0.101 χ^2/NDF: 5393.7/118

- sign 23.498+/-0.143 χ^2/NDF: 2244.3/59

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.238+/-0.026 χ^2/NDF: 1268.4/33

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.420+/-0.027 χ^2/NDF: 1720.9/36

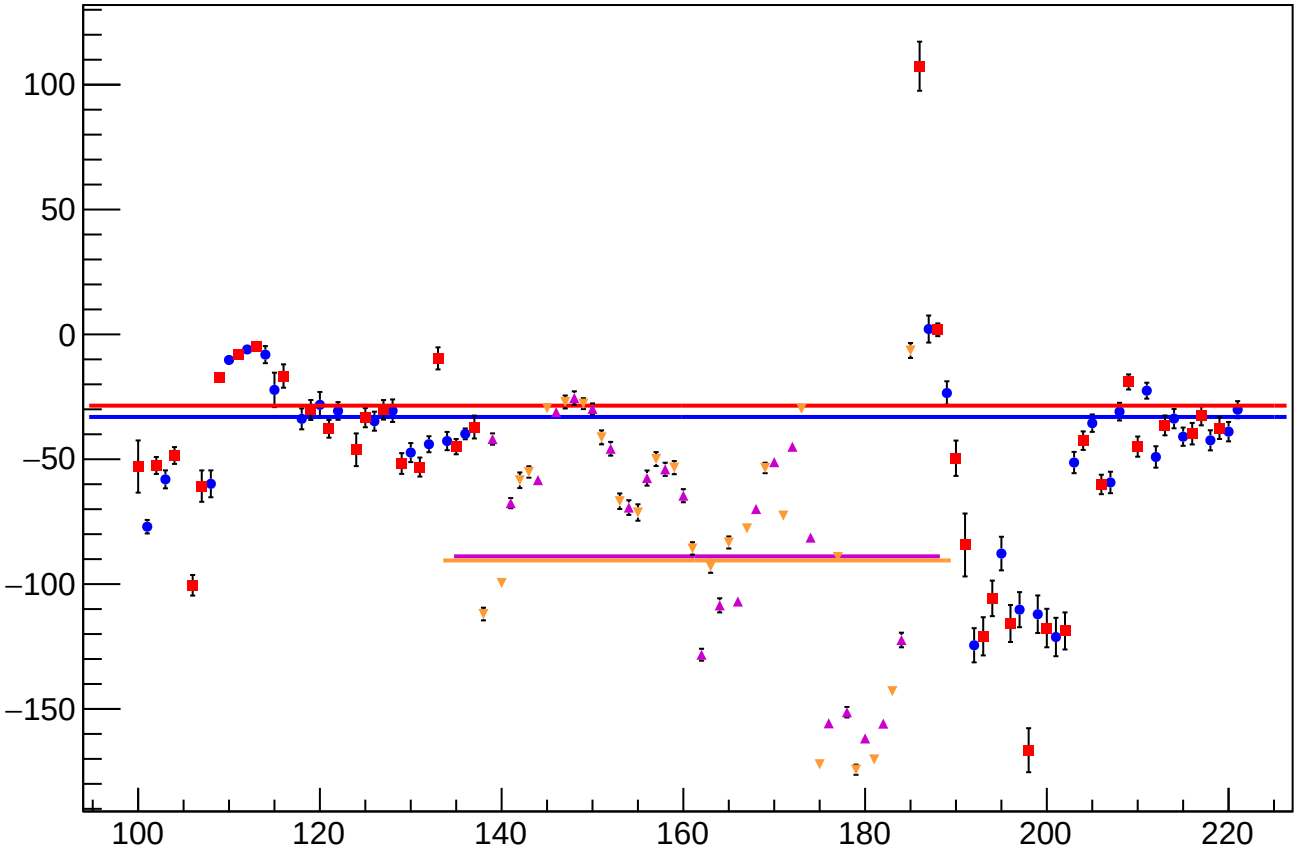
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.160+/-0.006 χ^2/NDF: 2167.5/58

All: 0.160+/-0.005 χ^2/NDF: 5303.6/118

- sign 0.159+/-0.006 χ^2/NDF: 3136.1/59

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -33.065+/-0.593 χ^2/NDF: 1691.1/33

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.536+/-0.567 χ^2/NDF: 2439.3/36

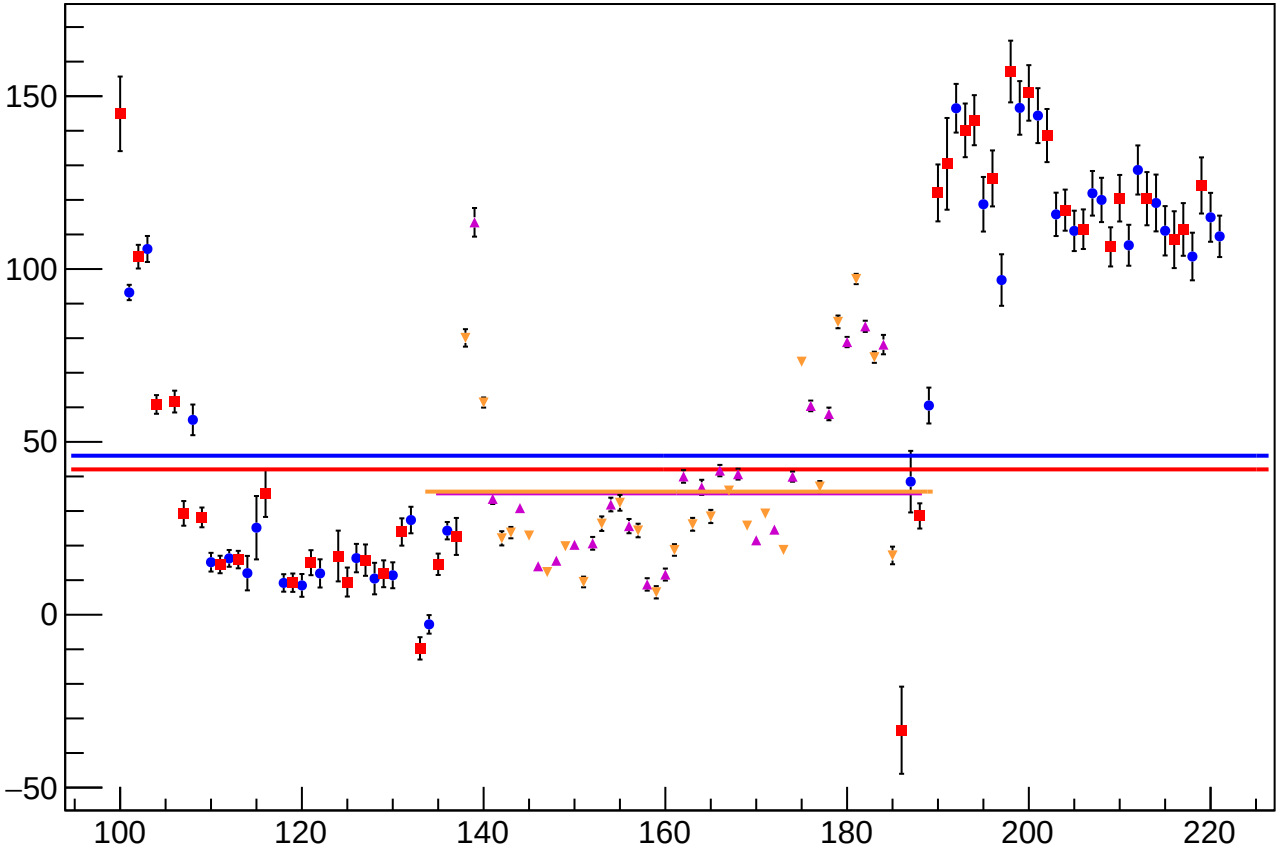
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -71.251+/-0.343 χ^2/NDF: 23293.6/58

All: -68.902+/-0.243 χ^2/NDF: 44788.1/118

- sign -66.535+/-0.345 χ^2/NDF: 21400.6/59

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 46.002+/-0.721 χ^2/NDF: 3944.2/33

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 42.042+/-0.716 χ^2/NDF: 3591.1/36

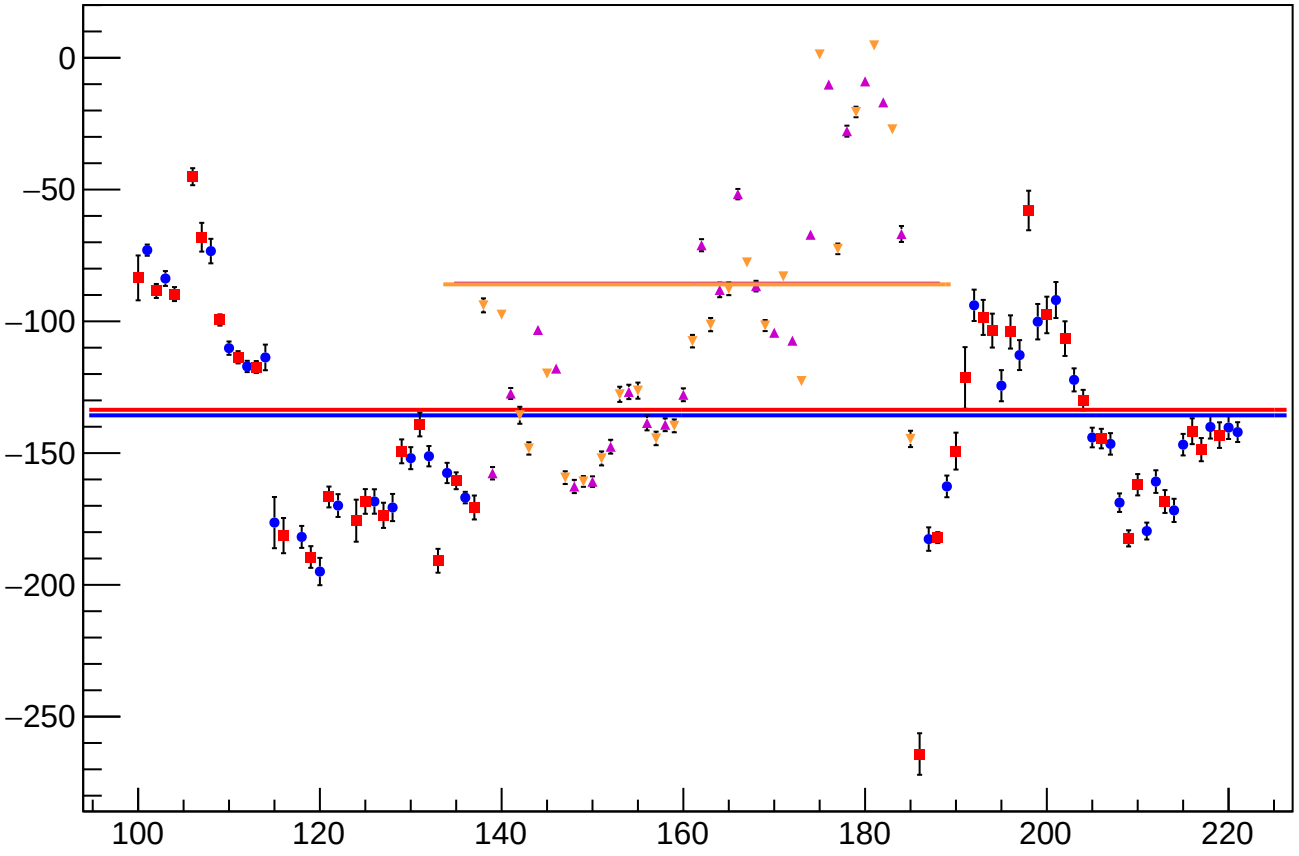
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 37.375+/-0.297 χ^2/NDF: 10089.8/58

All: 36.882+/-0.213 χ^2/NDF: 17907.6/118

- sign 36.363+/-0.304 χ^2/NDF: 7812.2/59

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -135.683+/-0.646 χ^2/NDF: 2986.9/33

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -133.569+/-0.635 χ^2/NDF: 4088.1/36

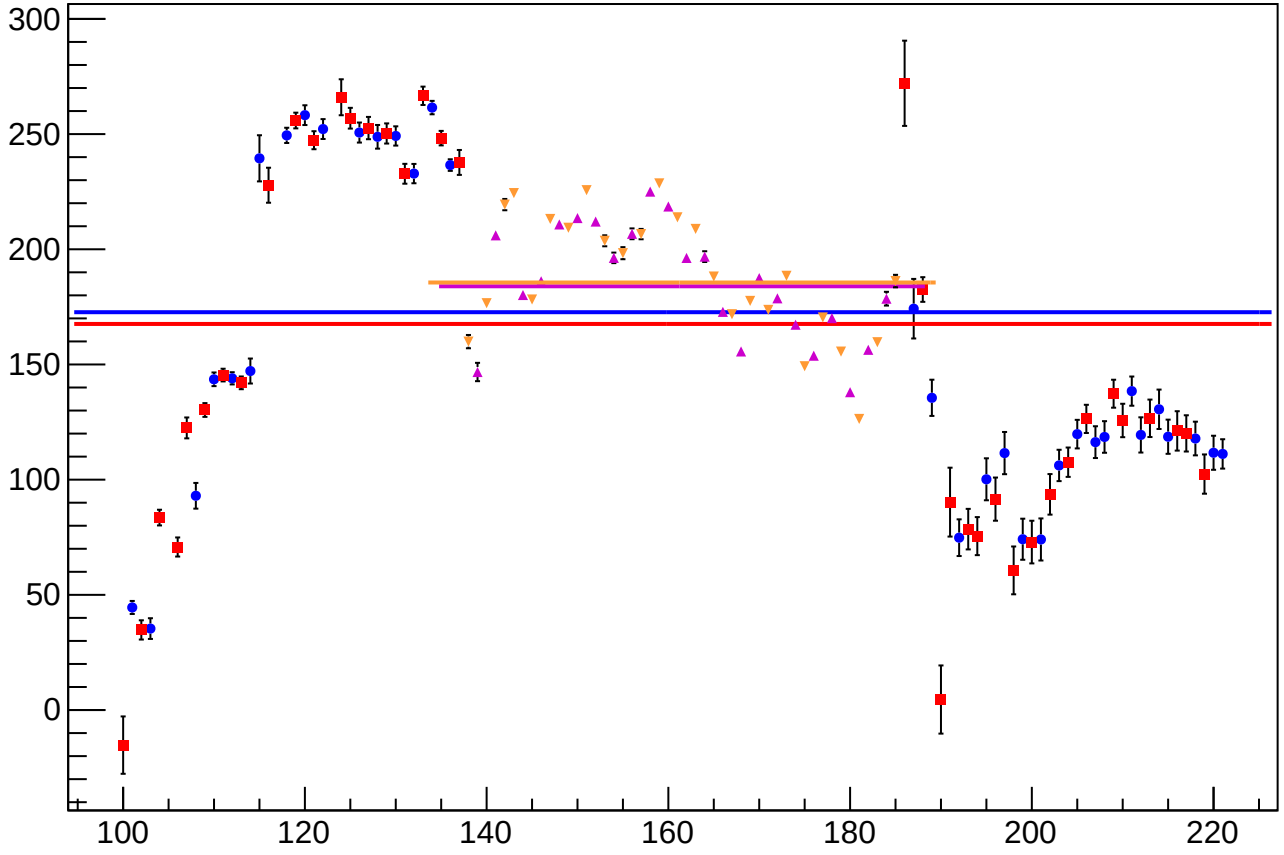
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -100.790+/-0.353 χ^2/NDF: 23380.2/58

All: -100.828+/-0.251 χ^2/NDF: 45107.2/118

- sign -100.867+/-0.357 χ^2/NDF: 21727.0/59

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 172.690+/-0.817 χ^2/NDF: 8591.2/33

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 167.590+/-0.820 χ^2/NDF: 7930.1/36

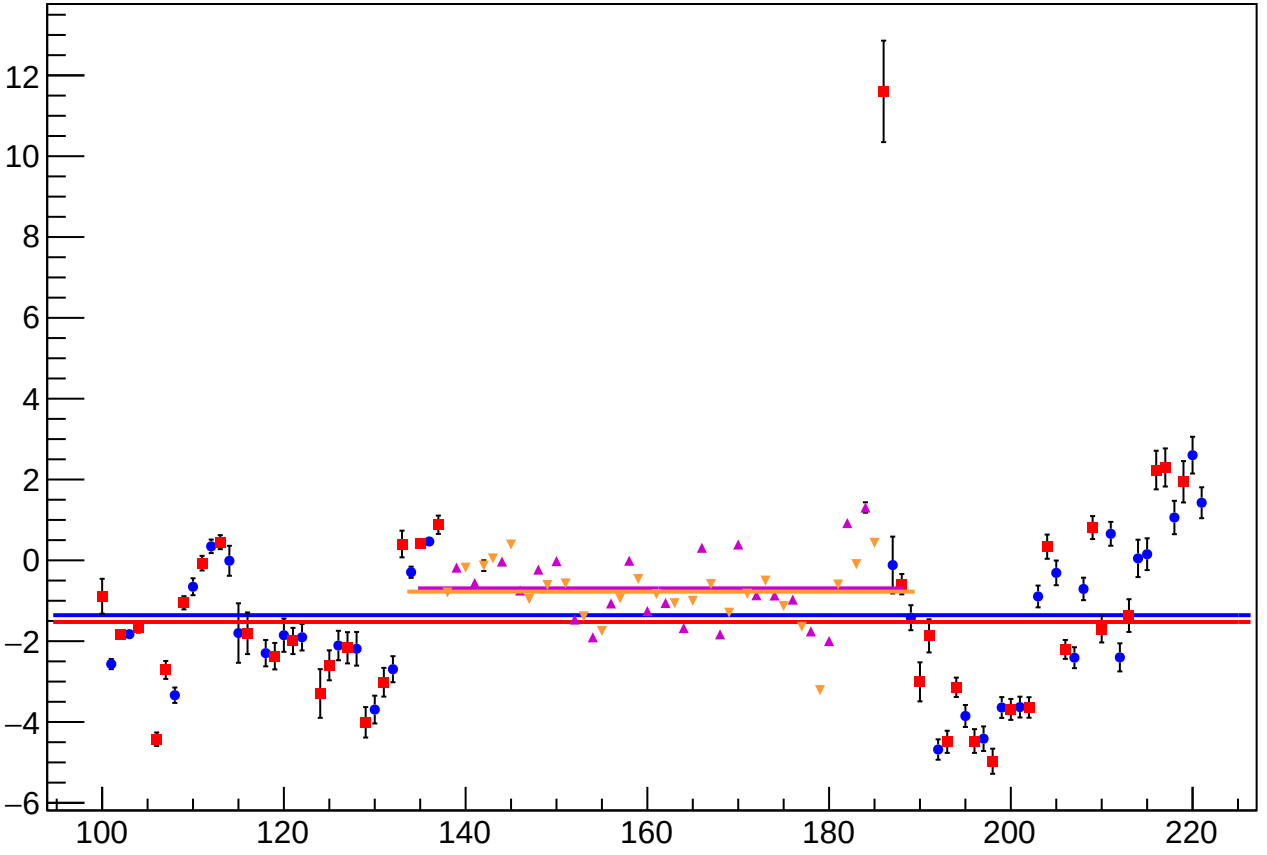
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 183.421+/-0.335 χ^2/NDF: 14153.1/58

All: 182.278+/-0.240 χ^2/NDF: 26308.9/118

- sign 181.076+/-0.343 χ^2/NDF: 12131.9/59

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.357+/-0.040 χ^2/NDF: 1604.9/33

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.525+/-0.040 χ^2/NDF: 1970.5/36

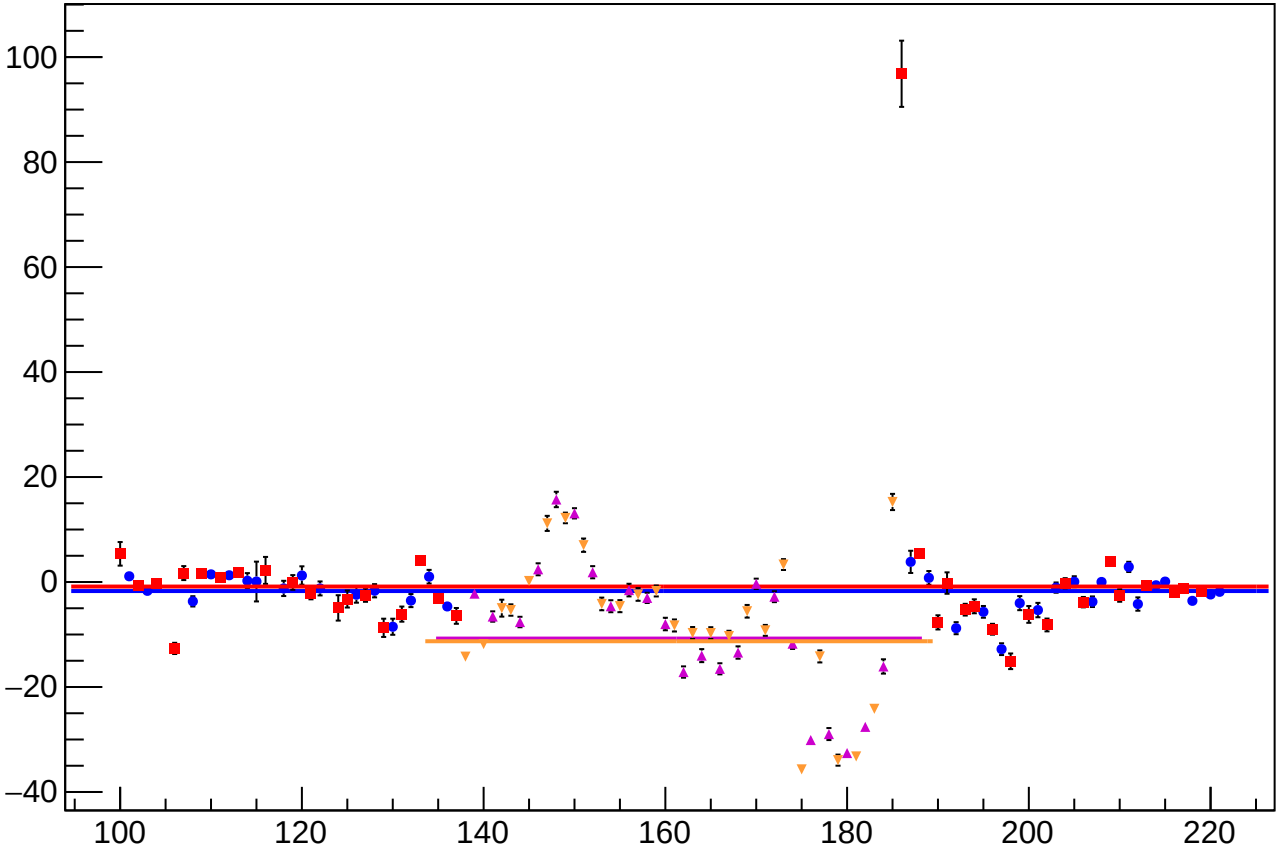
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.857+/-0.015 χ^2/NDF: 3607.8/58

All: -0.838+/-0.011 χ^2/NDF: 8513.7/118

- sign -0.818+/-0.015 χ^2/NDF: 4902.5/59

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.722+/-0.174 χ^2/NDF: 330.2/33

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.865+/-0.165 χ^2/NDF: 932.3/36

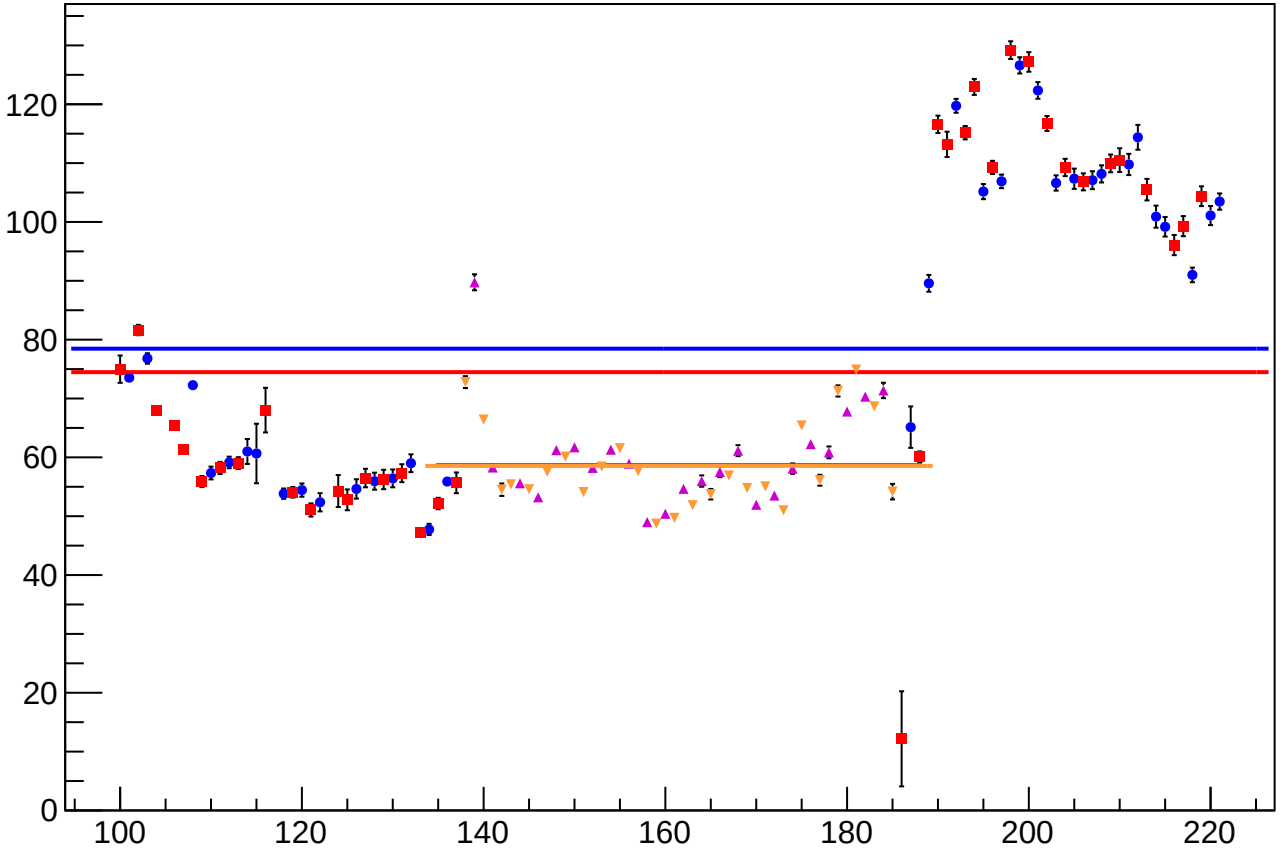
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -5.663+/-0.134 χ^2/NDF: 6072.9/58

All: -5.111+/-0.093 χ^2/NDF: 12086.1/118

- sign -4.583+/-0.131 χ^2/NDF: 5979.8/59

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 78.468+/-0.211 χ^2/NDF: 12645.0/33

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 74.481+/-0.199 χ^2/NDF: 16649.8/36

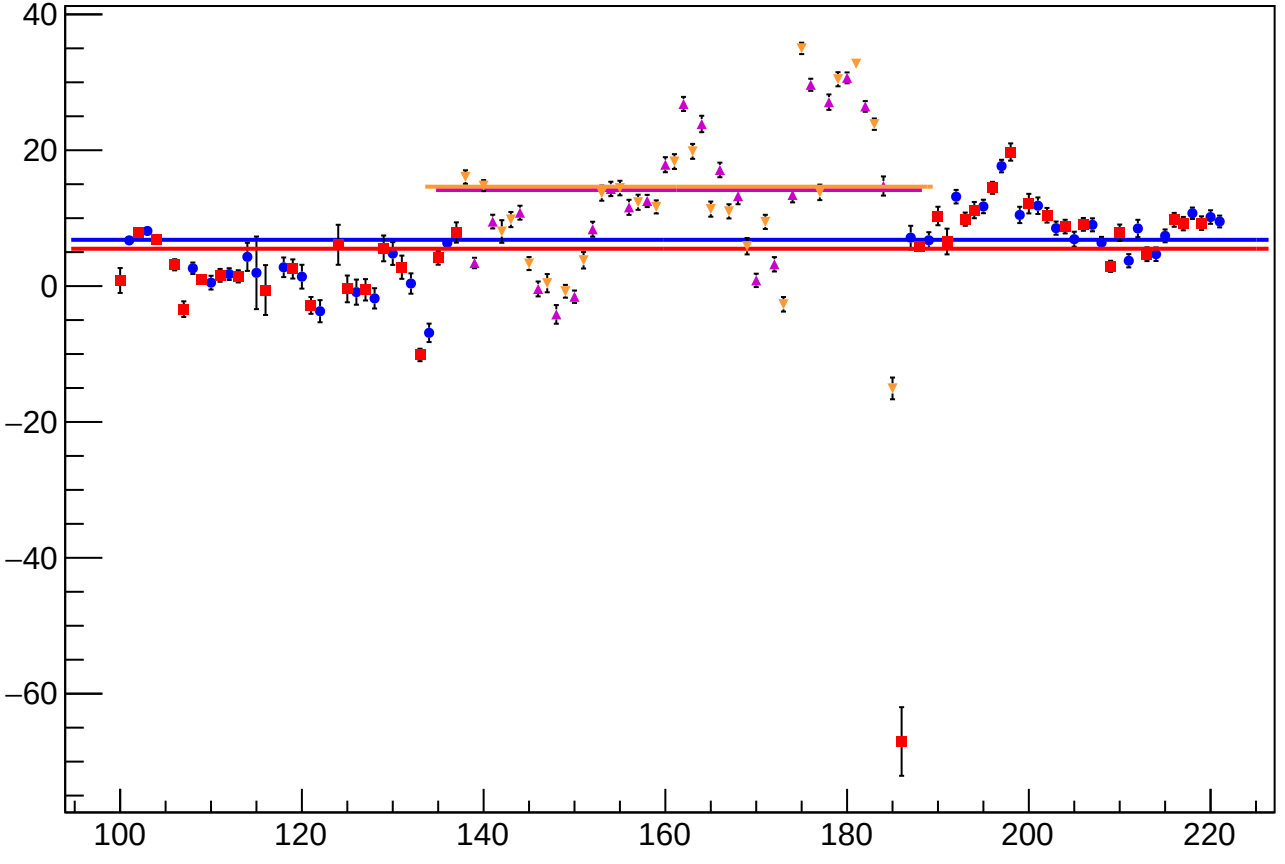
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 65.880+/-0.128 χ^2/NDF: 20168.3/58

All: 65.571+/-0.091 χ^2/NDF: 42111.2/118

- sign 65.259+/-0.129 χ^2/NDF: 21931.1/59

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.815+/-0.178 χ^2/NDF: 631.7/33

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.500+/-0.170 χ^2/NDF: 1162.8/36

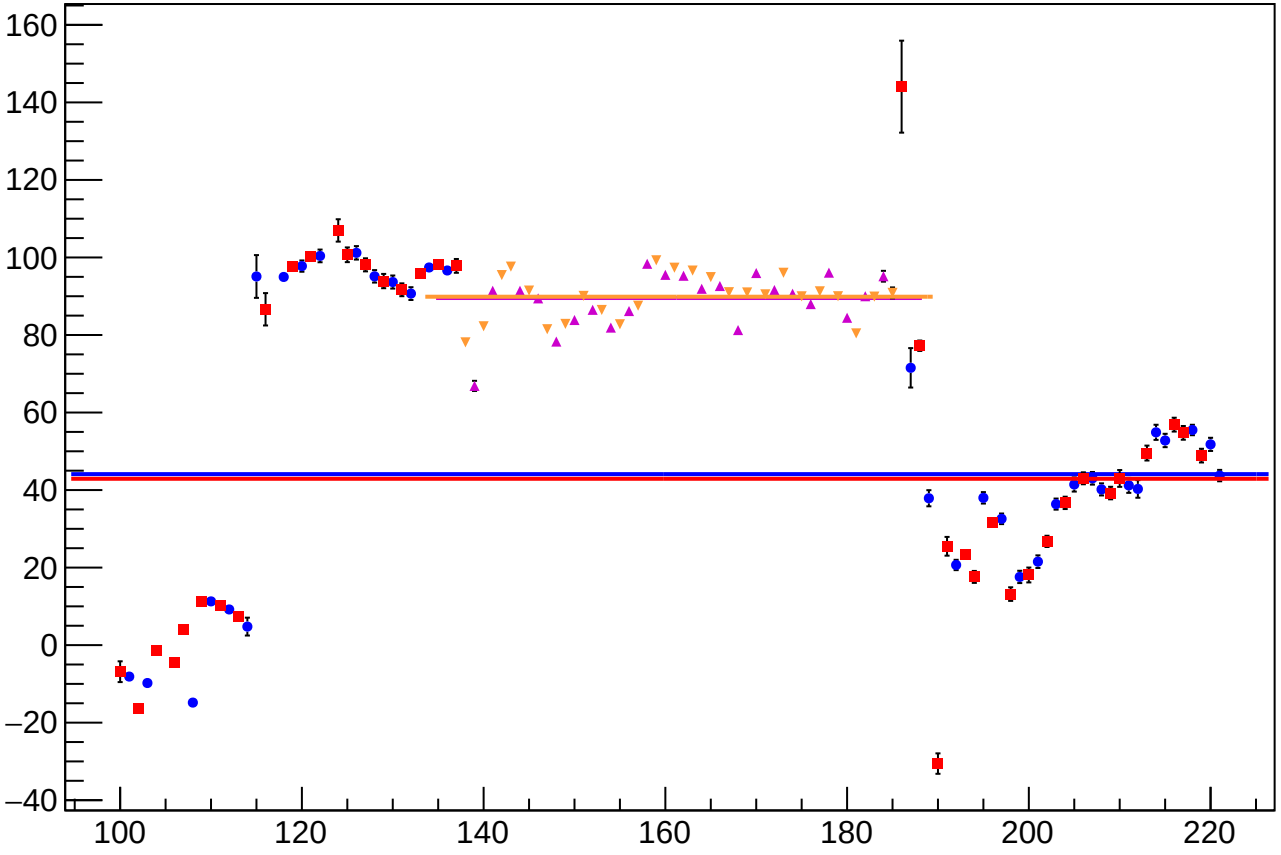
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.137+/-0.135 χ^2/NDF: 4416.8/58

All: 9.509+/-0.094 χ^2/NDF: 9179.7/118

- sign 8.901+/-0.133 χ^2/NDF: 4720.1/59

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.109+/-0.242 χ^2/NDF: 28100.1/33

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.911+/-0.232 χ^2/NDF: 31878.4/36

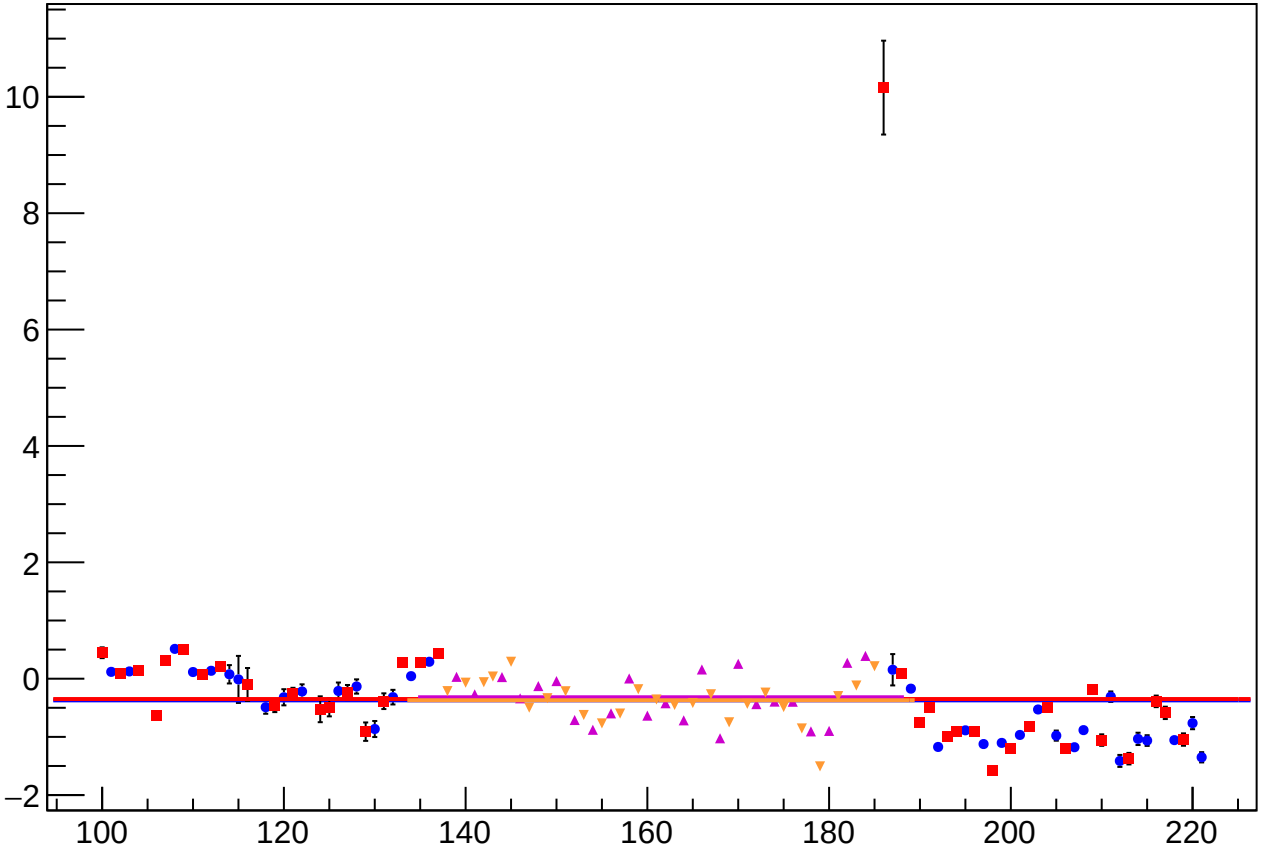
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 73.421+/-0.145 χ^2/NDF: 52145.6/58

All: 72.278+/-0.103 χ^2/NDF: 109668.2/118

- sign 71.121+/-0.146 χ^2/NDF: 57397.4/59

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.372+/-0.010 χ^2/NDF: 3704.0/33

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.350+/-0.010 χ^2/NDF: 3901.2/36

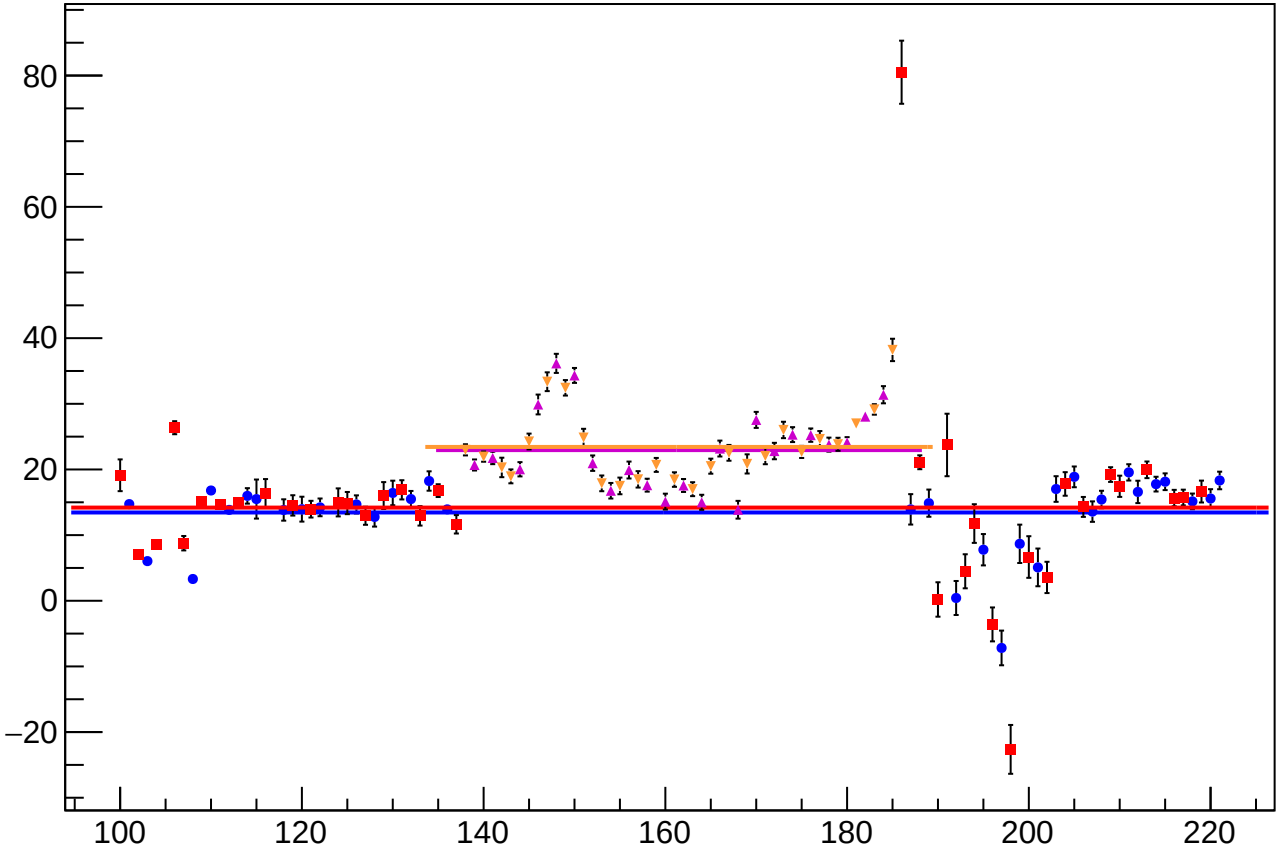
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.371+/-0.006 χ^2/NDF: 5473.5/58

All: -0.351+/-0.004 χ^2/NDF: 11841.5/118

- sign -0.332+/-0.006 χ^2/NDF: 6348.0/59

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.448+/-0.187 χ^2/NDF: 590.8/33

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.193+/-0.182 χ^2/NDF: 913.8/36

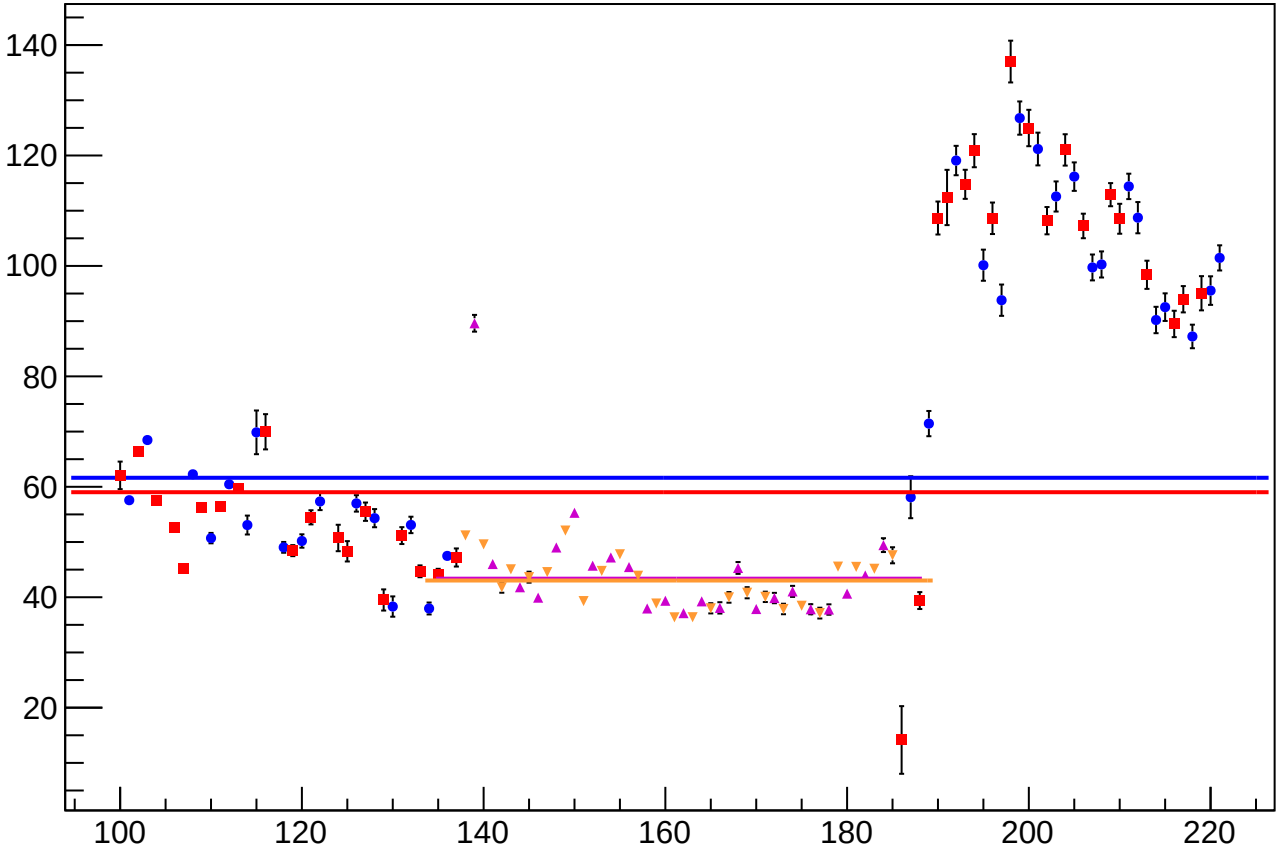
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.715+/-0.141 χ^2/NDF: 2243.4/58

All: 17.684+/-0.100 χ^2/NDF: 4635.6/118

- sign 17.653+/-0.142 χ^2/NDF: 2392.1/59

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 61.635+/-0.208 χ^2/NDF: 6355.9/33

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 59.021+/-0.211 χ^2/NDF: 7176.1/36

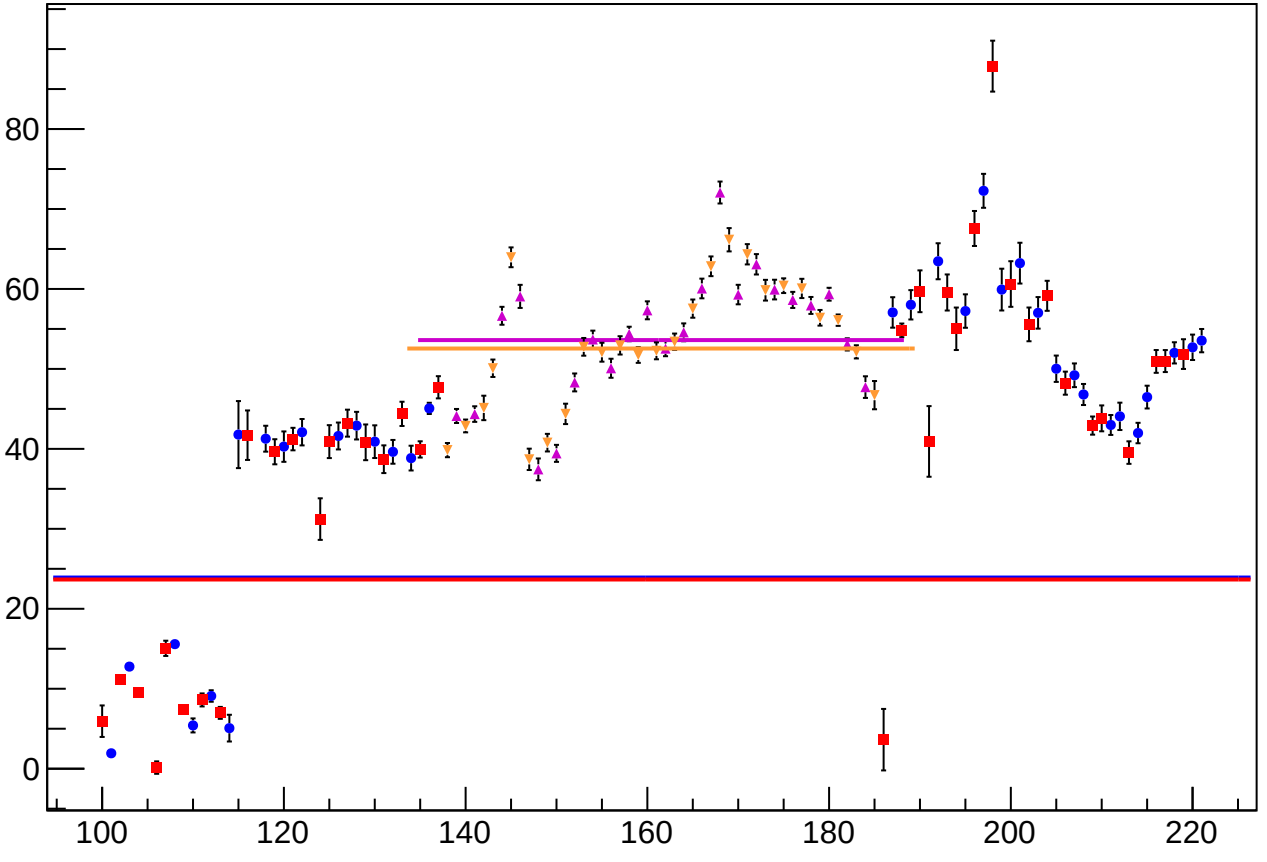
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 50.326+/-0.130 χ^2/NDF: 11987.7/58

All: 50.087+/-0.094 χ^2/NDF: 24085.0/118

- sign 49.829+/-0.136 χ^2/NDF: 12090.3/59

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 23.908+/-0.187 χ^2/NDF: 11996.5/33

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 23.663+/-0.192 χ^2/NDF: 10707.0/36

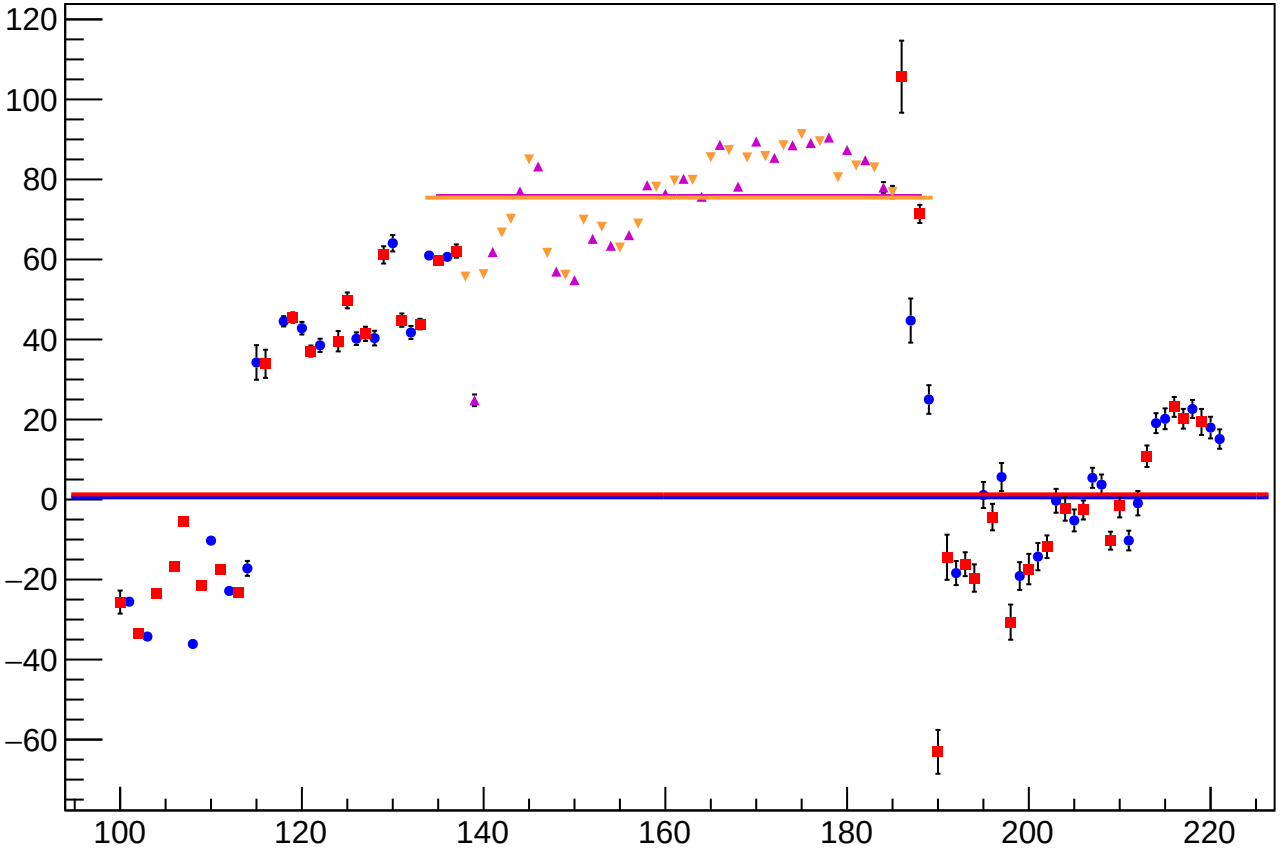
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 36.284+/-0.141 χ^2/NDF: 23300.5/58

All: 36.340+/-0.101 χ^2/NDF: 45392.8/118

- sign 36.399+/-0.145 χ^2/NDF: 22092.0/59

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.553+/-0.244 χ^2/NDF: 21561.3/33

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.286+/-0.247 χ^2/NDF: 17651.3/36

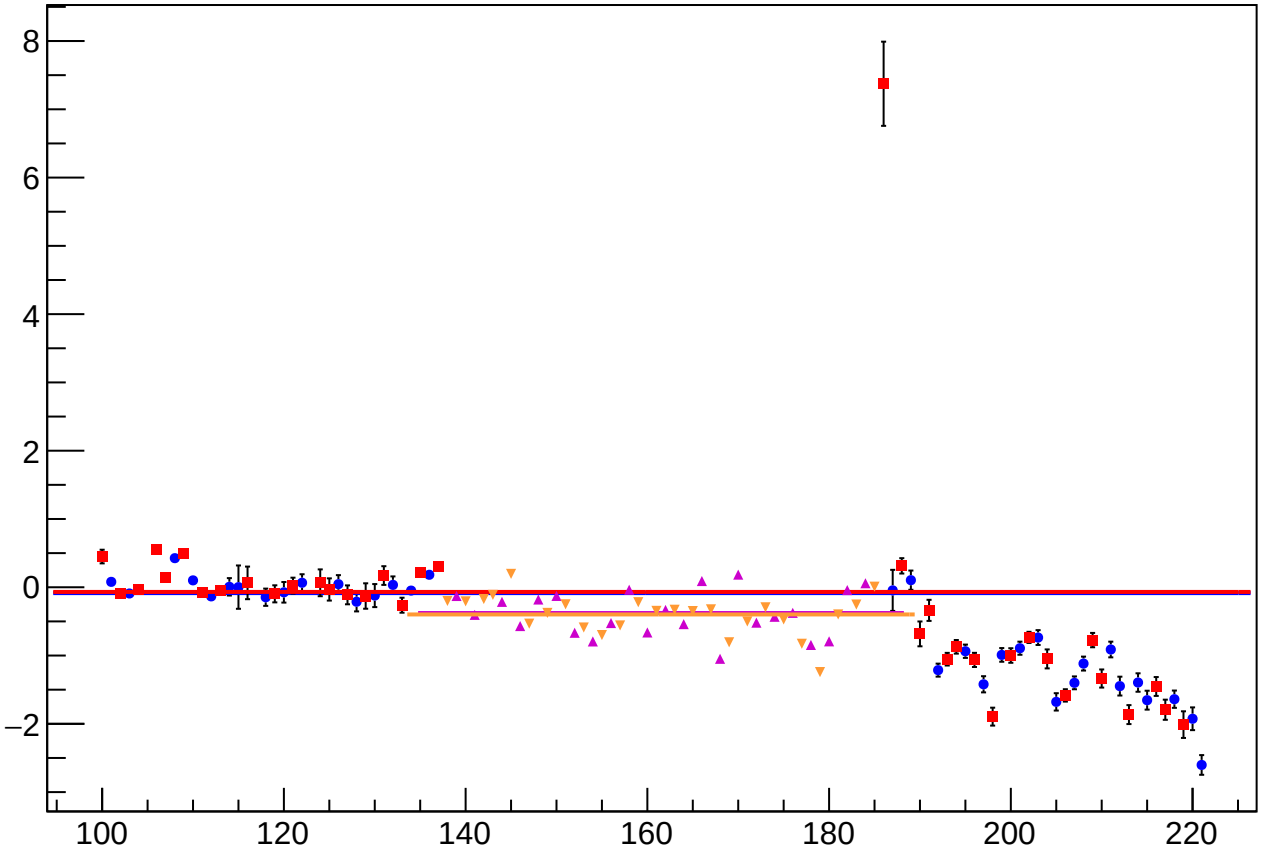
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 47.430+/-0.149 χ^2/NDF: 84186.3/58

All: 47.148+/-0.107 χ^2/NDF: 161676.0/118

- sign 46.846+/-0.154 χ^2/NDF: 77482.3/59

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.086+/-0.010 χ^2/NDF: 2501.0/33

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.068+/-0.011 χ^2/NDF: 2343.3/36

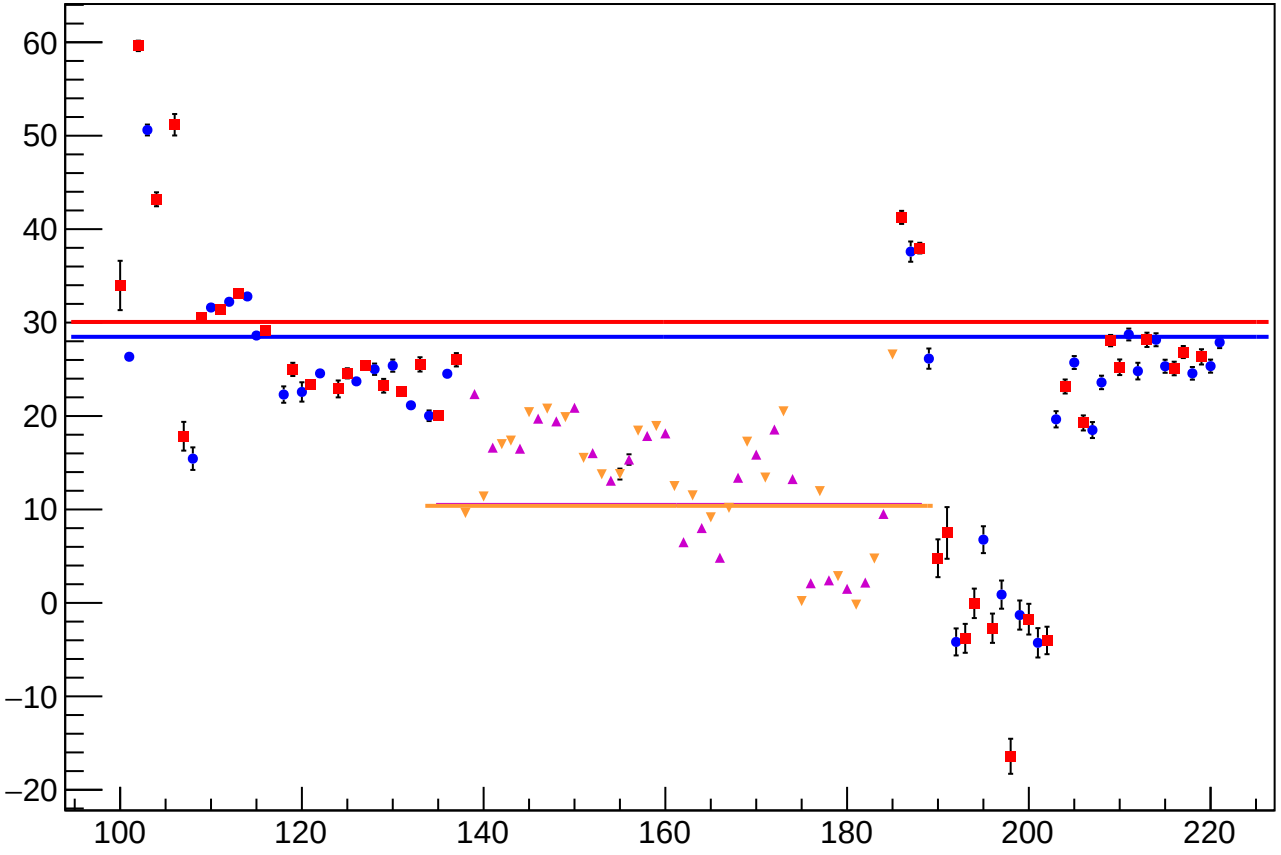
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.275+/-0.007 χ^2/NDF: 4078.6/58

All: -0.265+/-0.005 χ^2/NDF: 8293.7/118

- sign -0.254+/-0.007 χ^2/NDF: 4210.4/59

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.477+/-0.083 χ^2/NDF: 5846.3/33

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.068+/-0.075 χ^2/NDF: 9043.3/36

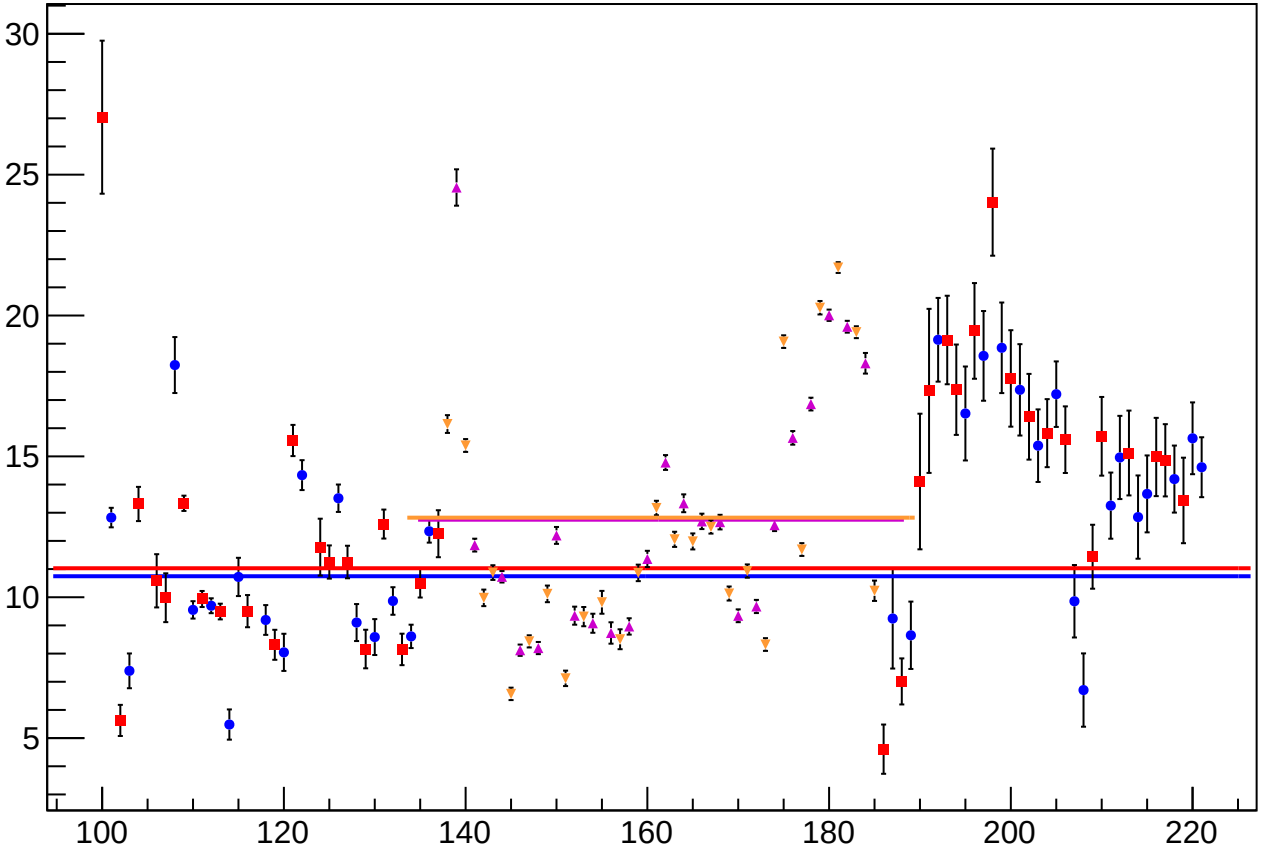
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 17.104+/-0.051 χ^2/NDF: 49172.1/58

All: 18.156+/-0.036 χ^2/NDF: 108649.9/118

- sign 19.166+/-0.050 χ^2/NDF: 58639.1/59

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.746+/-0.107 χ^2/NDF: 639.9/33

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.029+/-0.106 χ^2/NDF: 715.9/36

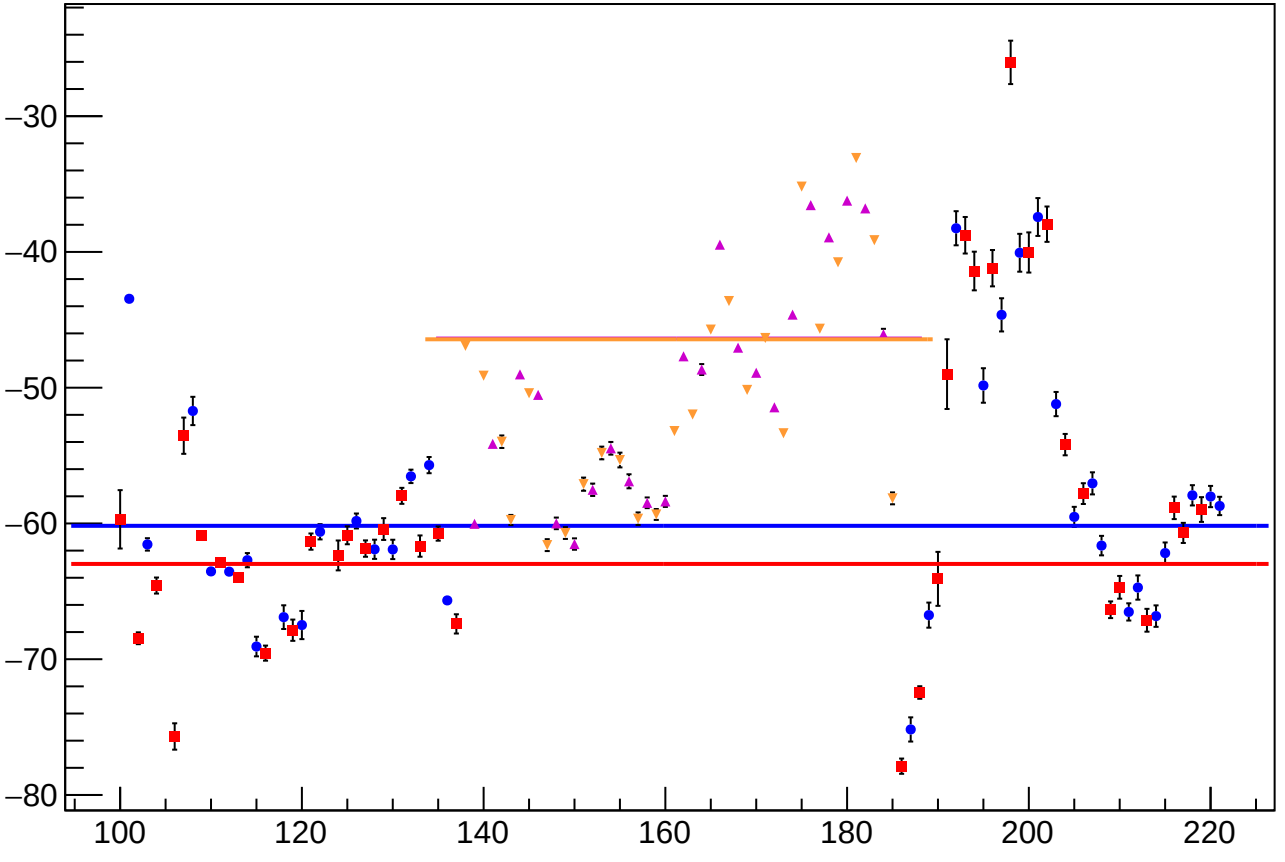
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.441+/-0.046 χ^2/NDF: 8962.7/58

All: 12.426+/-0.033 χ^2/NDF: 15391.8/118

- sign 12.410+/-0.047 χ^2/NDF: 6428.9/59

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.175+/-0.099 χ^2/NDF: 5285.5/33

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.982+/-0.095 χ^2/NDF: 4243.5/36

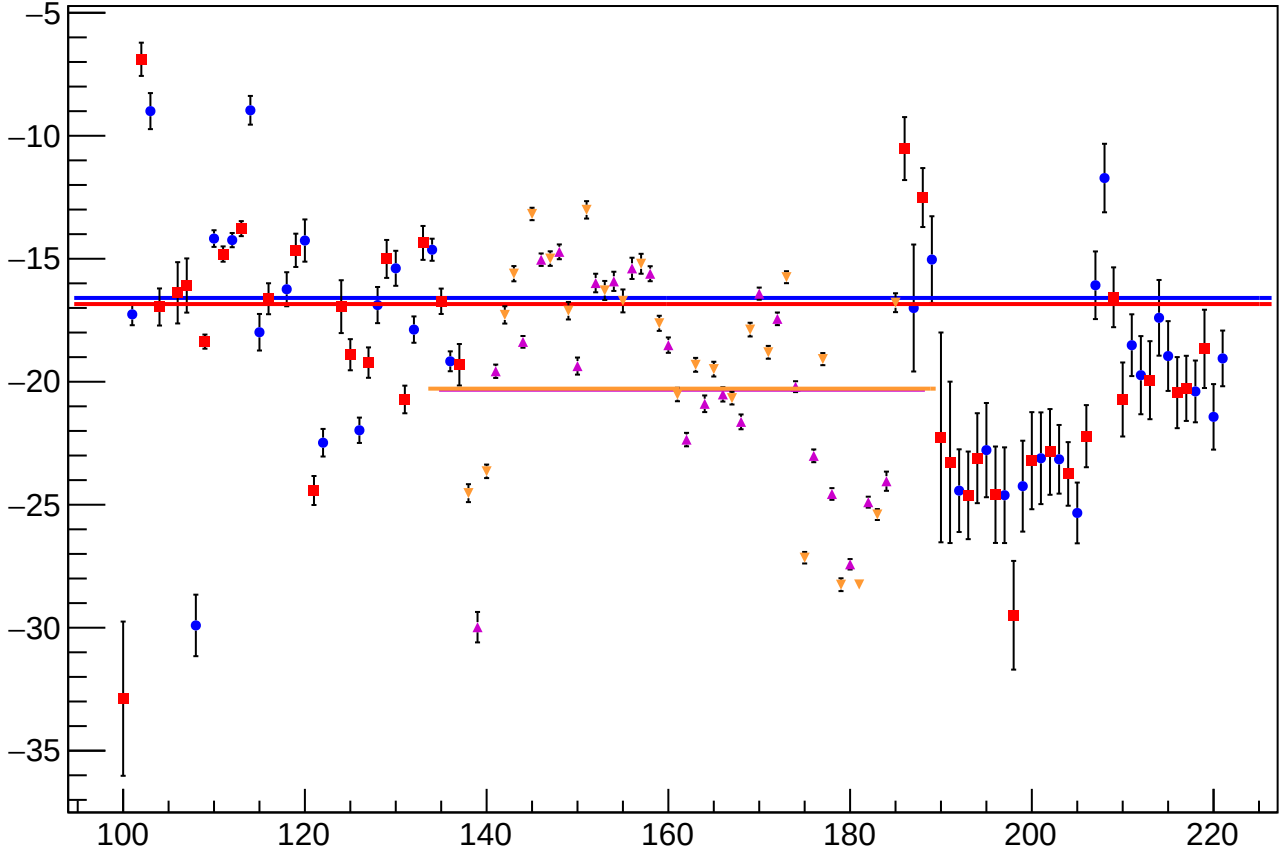
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.544+/-0.054 χ^2/NDF: 37058.4/58

All: -51.213+/-0.038 χ^2/NDF: 77211.2/118

- sign -51.898+/-0.055 χ^2/NDF: 39841.4/59

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.593+/-0.120 χ^2/NDF: 1009.6/33

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.842+/-0.118 χ^2/NDF: 907.5/36

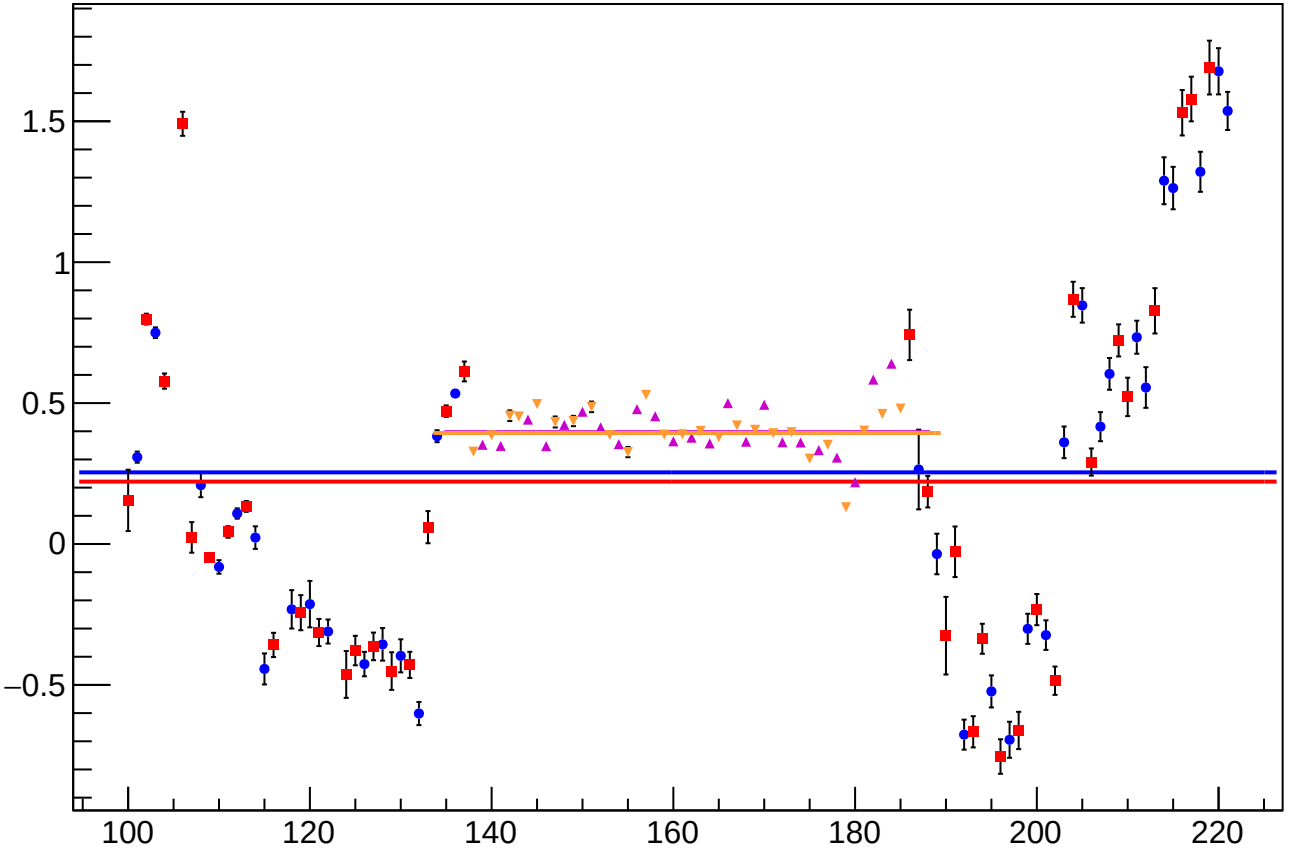
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.597+/-0.052 χ^2/NDF: 8803.7/58

All: -19.612+/-0.037 χ^2/NDF: 14679.3/118

- sign -19.627+/-0.053 χ^2/NDF: 5875.5/59

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.254+/-0.006 χ^2/NDF: 5046.4/33

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.221+/-0.006 χ^2/NDF: 5779.6/36

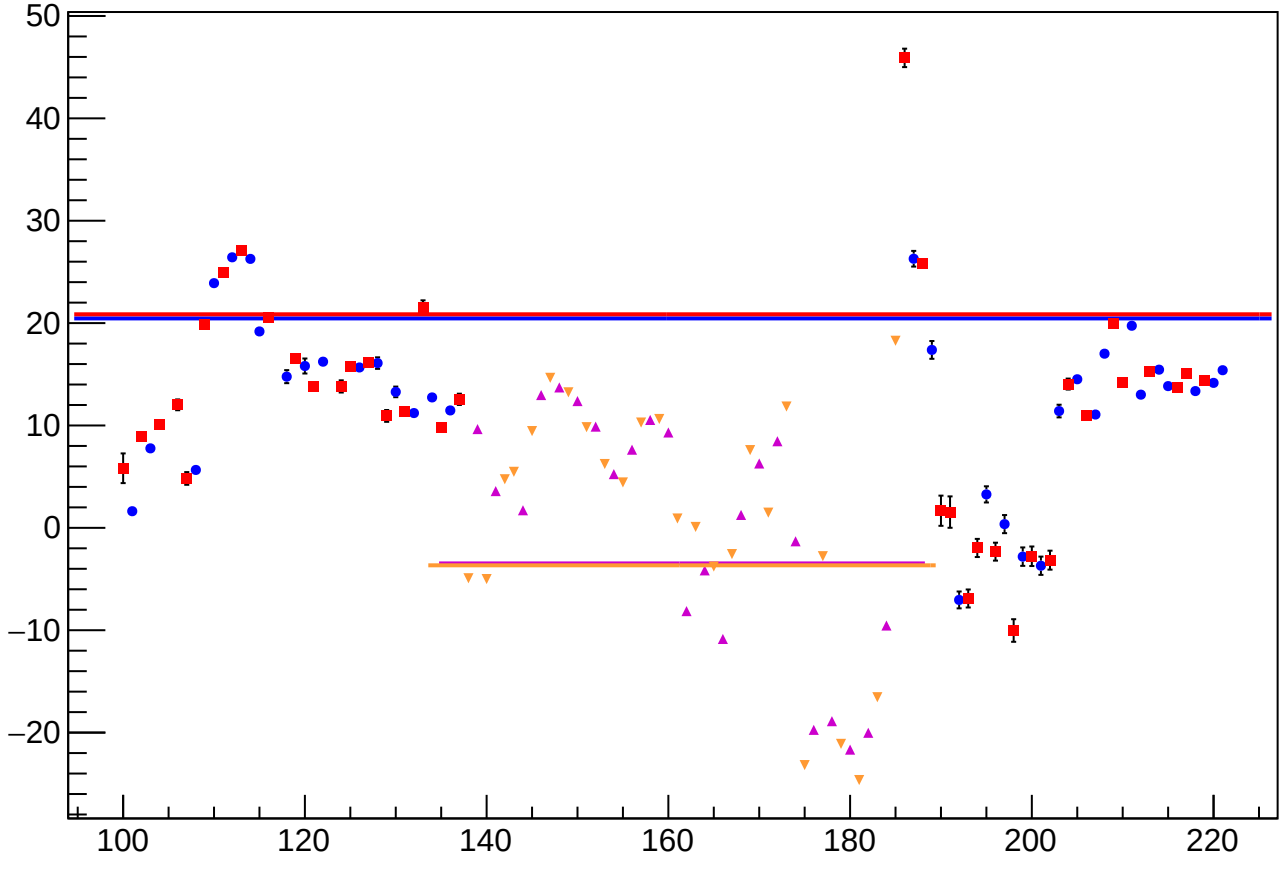
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.374+/-0.002 χ^2/NDF: 6405.0/58

All: 0.373+/-0.002 χ^2/NDF: 14118.0/118

- sign 0.372+/-0.002 χ^2/NDF: 7712.3/59

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 20.458+/-0.050 χ^2/NDF: 19940.3/33

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.860+/-0.043 χ^2/NDF: 19131.7/36

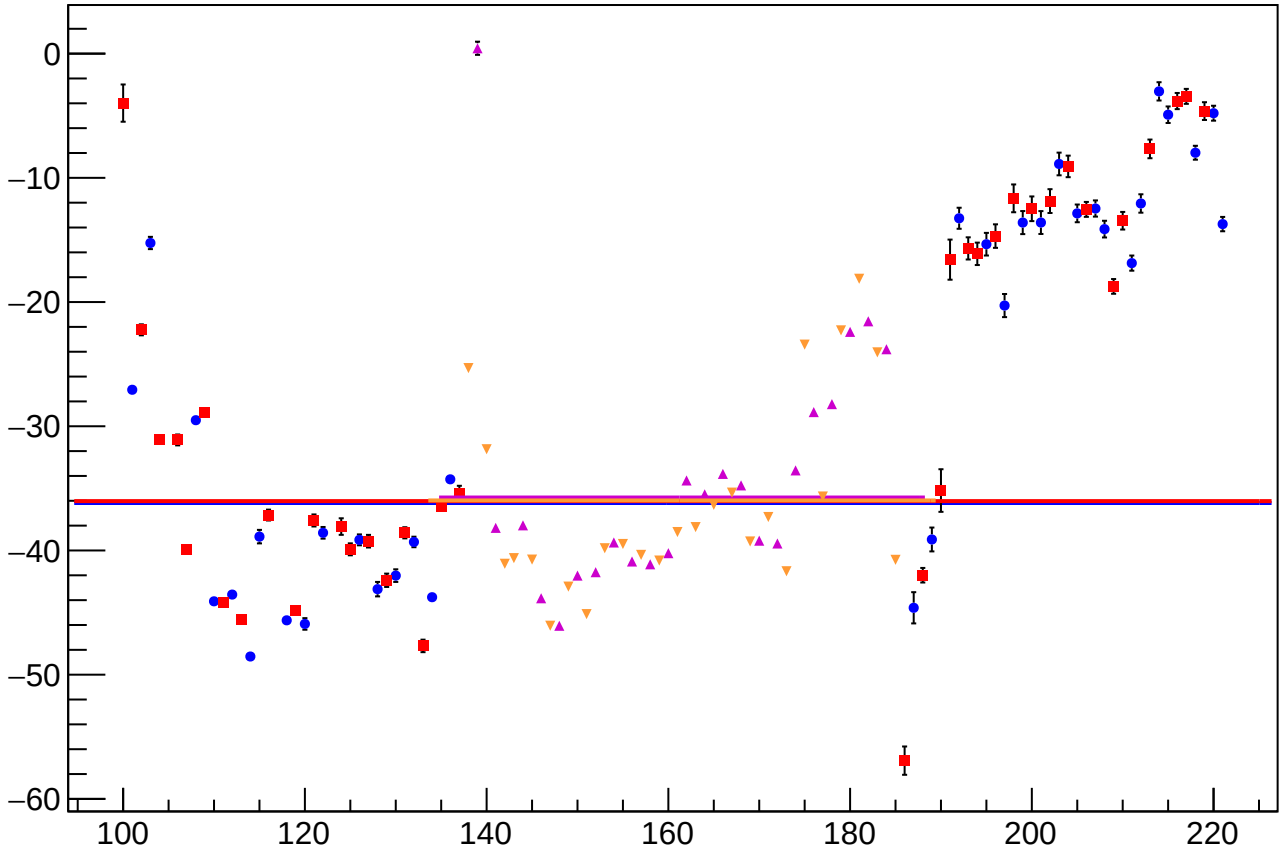
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 9.473+/-0.037 χ^2/NDF: 183173.8/58

All: 10.877+/-0.025 χ^2/NDF: 365160.8/118

- sign 12.105+/-0.034 χ^2/NDF: 179259.6/59

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -36.178+/-0.070 χ^2/NDF: 31510.8/33

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -36.026+/-0.066 χ^2/NDF: 28714.6/36

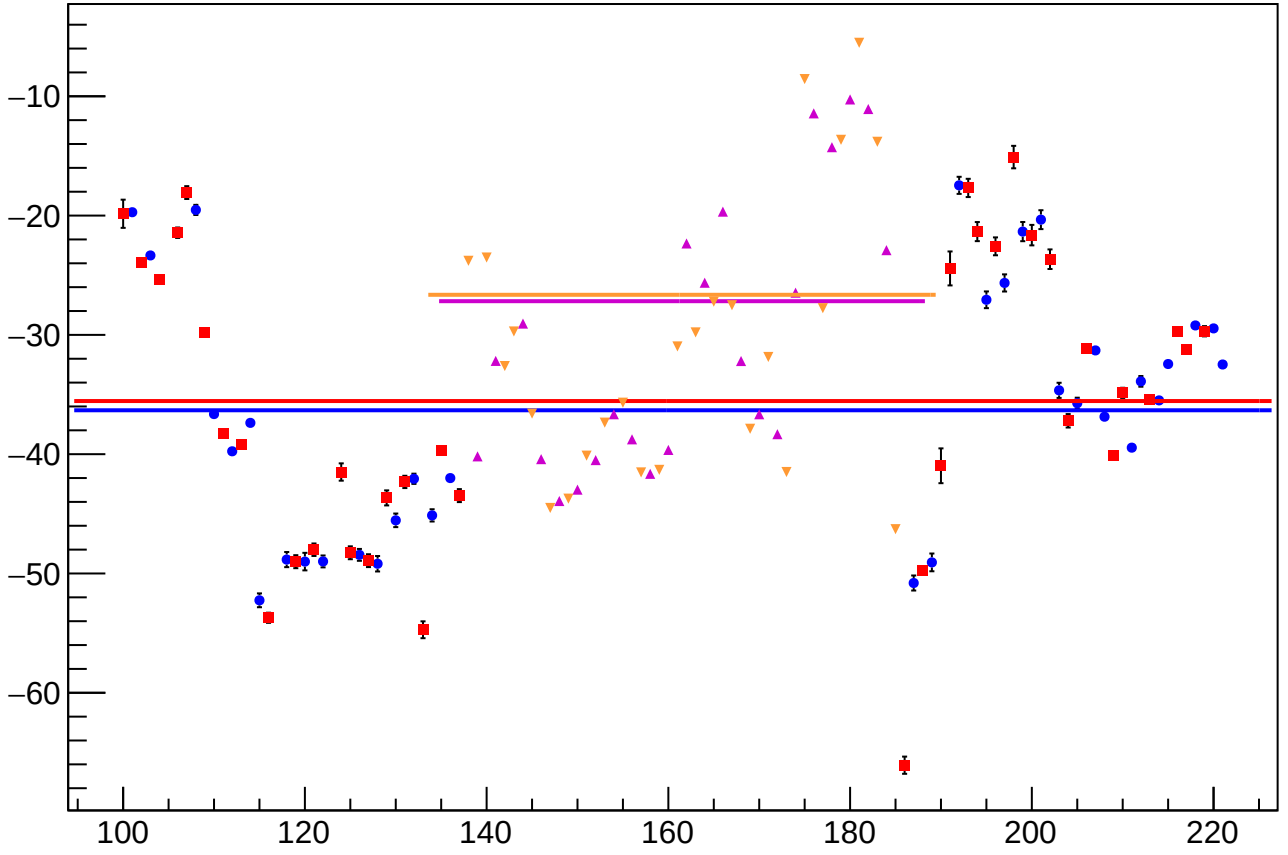
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.028+/-0.036 χ^2/NDF: 65126.4/58

All: -35.930+/-0.026 χ^2/NDF: 121023.6/118

- sign -35.828+/-0.037 χ^2/NDF: 55882.4/59

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -36.320+/-0.061 χ^2/NDF: 15109.7/33

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.546+/-0.056 χ^2/NDF: 19999.3/36

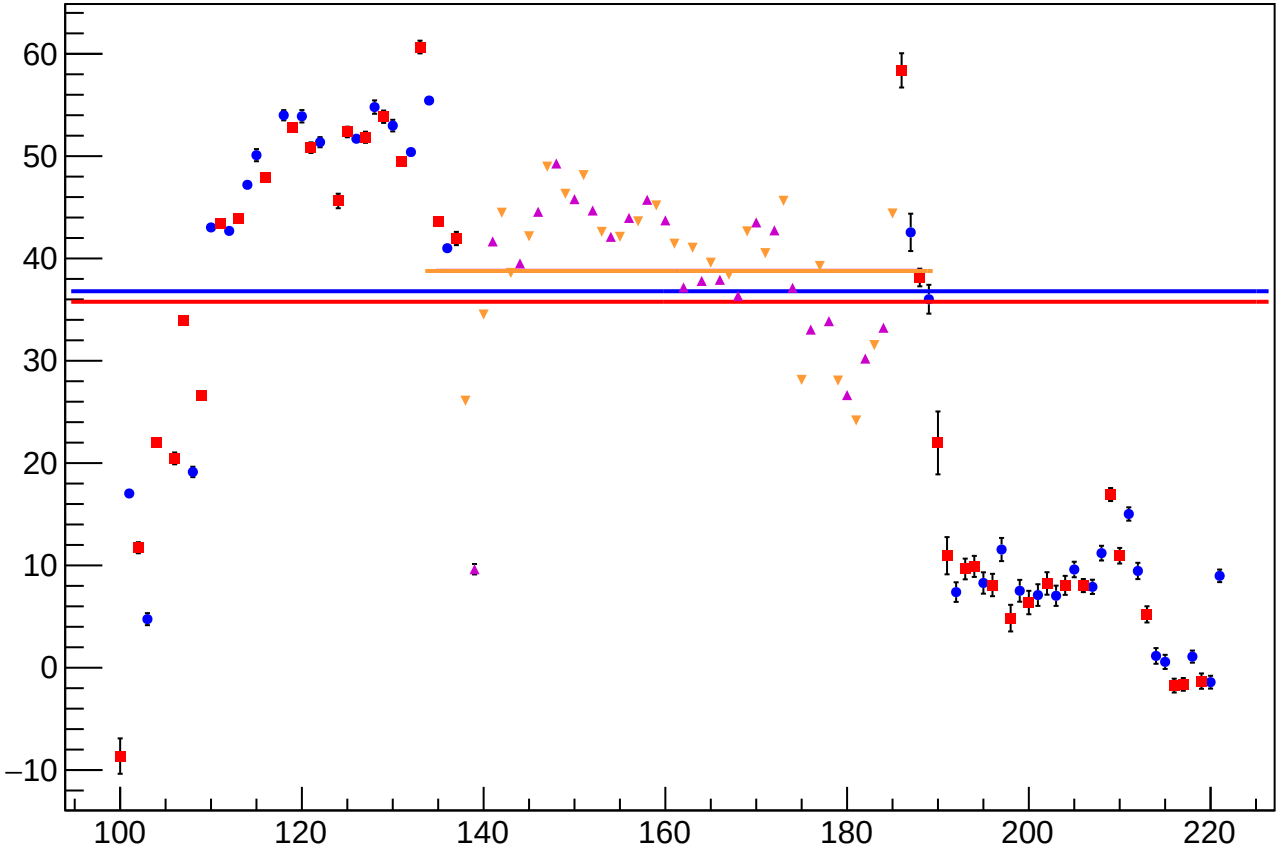
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.938+/-0.041 χ^2/NDF: 79130.6/58

All: -31.181+/-0.029 χ^2/NDF: 151031.1/118

- sign -31.417+/-0.040 χ^2/NDF: 71830.3/59

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 36.796+/-0.078 χ^2/NDF: 45116.4/33

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 35.767+/-0.073 χ^2/NDF: 39803.4/36

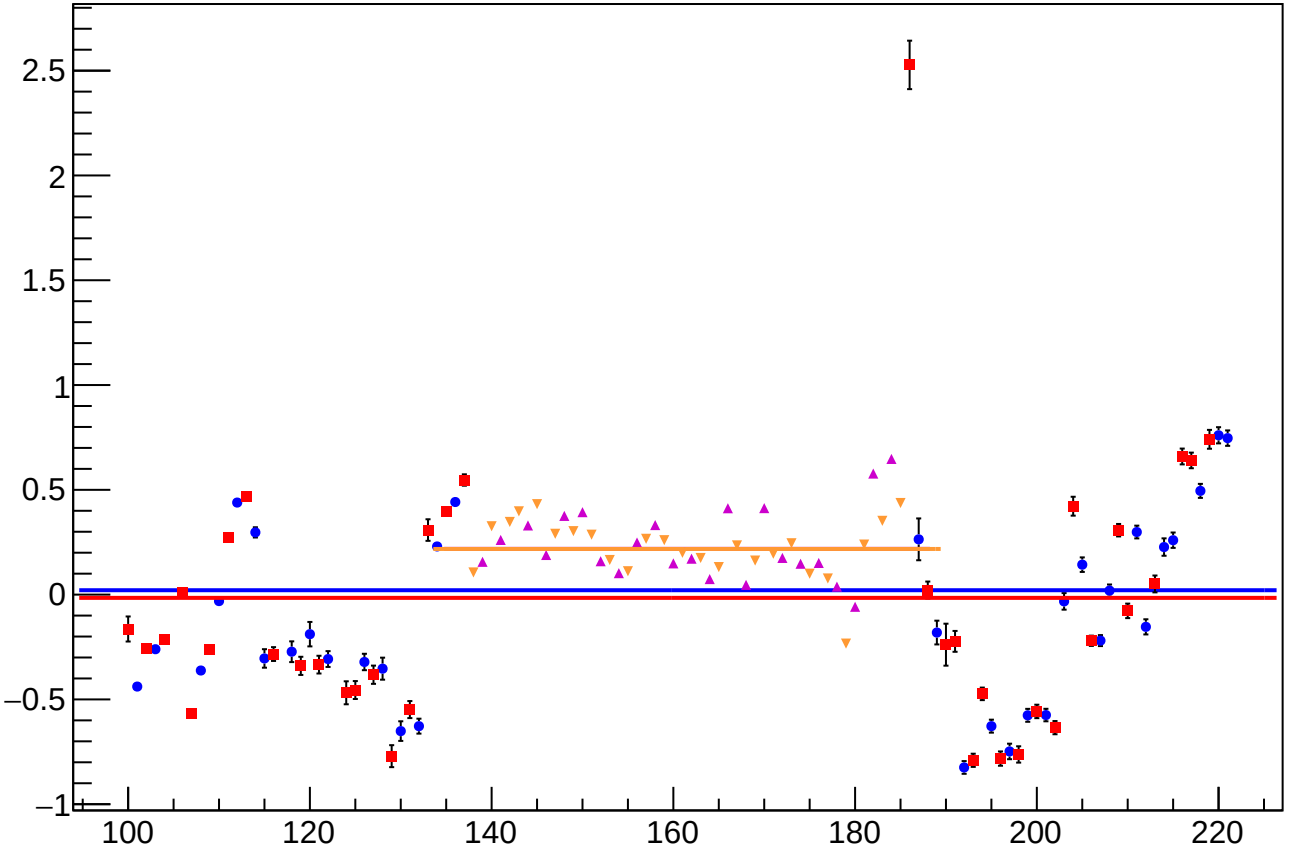
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 38.234+/-0.041 χ^2/NDF: 66660.0/58

All: 38.033+/-0.029 χ^2/NDF: 123914.9/118

- sign 37.825+/-0.041 χ^2/NDF: 57205.1/59

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.004 χ^2/NDF: 9246.3/33

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.015+/-0.004 χ^2/NDF: 10569.5/36

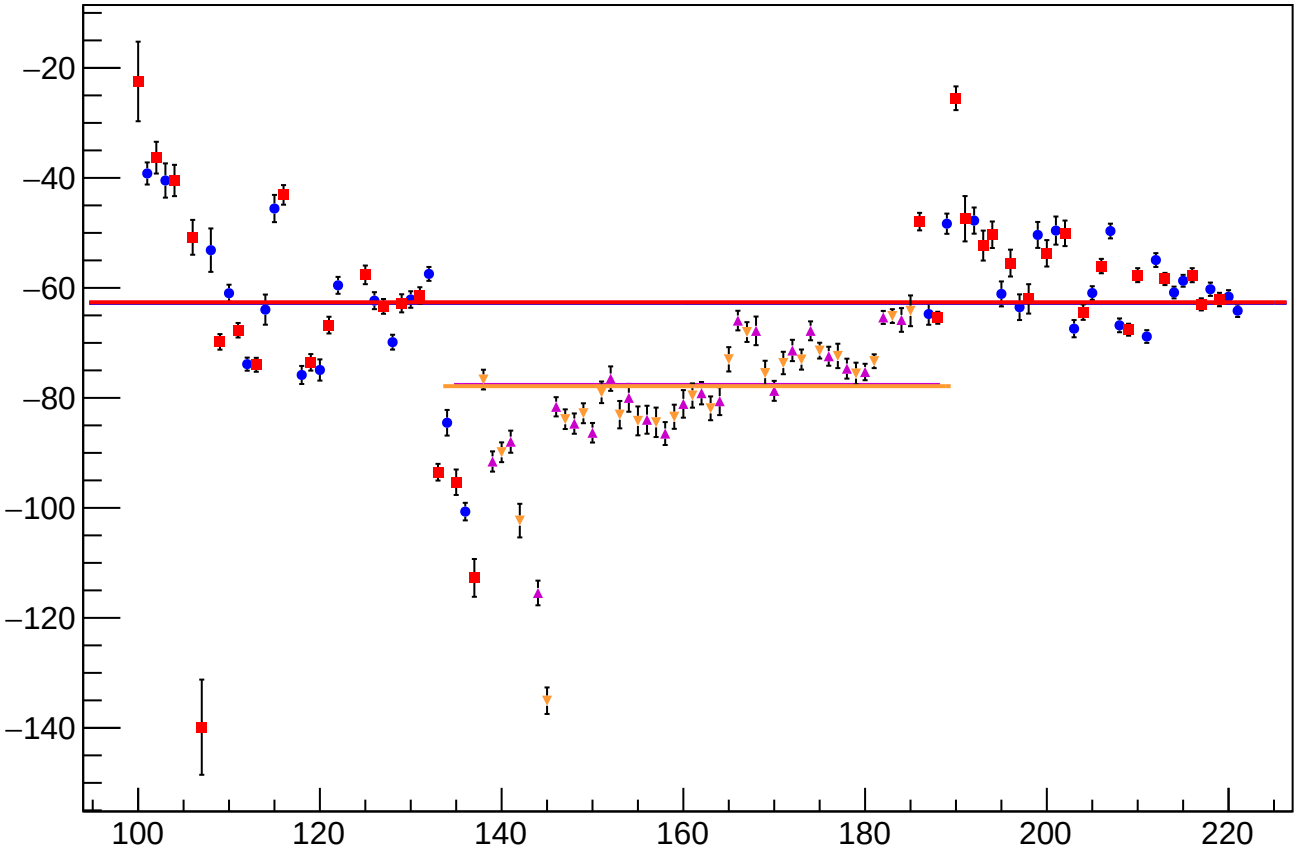
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.176+/-0.002 χ^2/NDF: 15087.5/58

All: 0.169+/-0.001 χ^2/NDF: 33700.2/118

- sign 0.161+/-0.002 χ^2/NDF: 18580.0/59

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -62.730+/-0.263 χ^2/NDF: 1499.9/33

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.619+/-0.271 χ^2/NDF: 1990.6/35

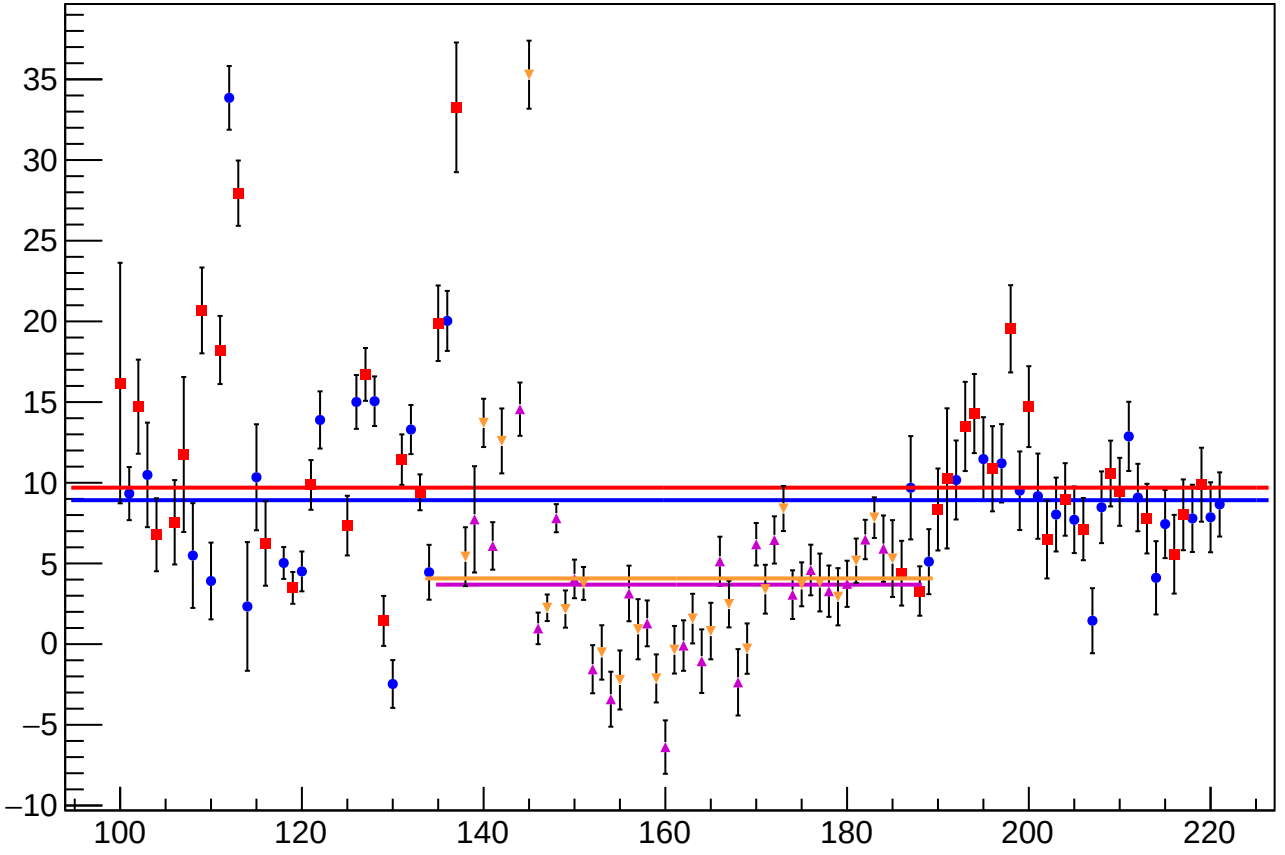
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -67.392+/-0.219 χ^2/NDF: 3453.3/57

All: -67.395+/-0.156 χ^2/NDF: 7116.5/116

- sign -67.398+/-0.224 χ^2/NDF: 3663.2/58

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 8.920+/-0.333 χ^2/NDF: 372.7/33

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.697+/-0.338 χ^2/NDF: 321.2/35

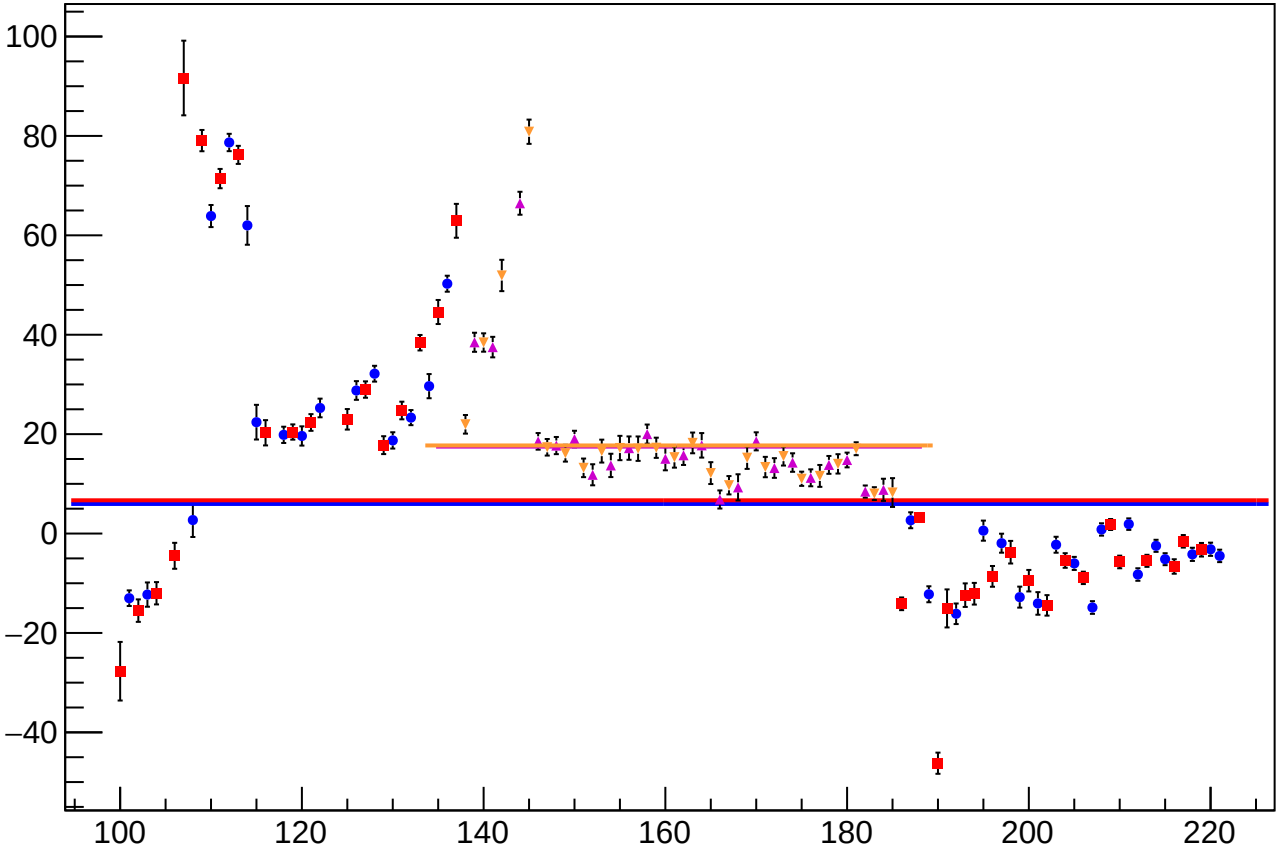
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.220+/-0.221 χ^2/NDF: 861.4/57

All: 6.287+/-0.158 χ^2/NDF: 1541.7/116

- sign 6.355+/-0.225 χ^2/NDF: 680.1/58

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 5.955+/-0.278 χ^2/NDF: 5801.6/33

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 6.689+/-0.283 χ^2/NDF: 7502.7/35

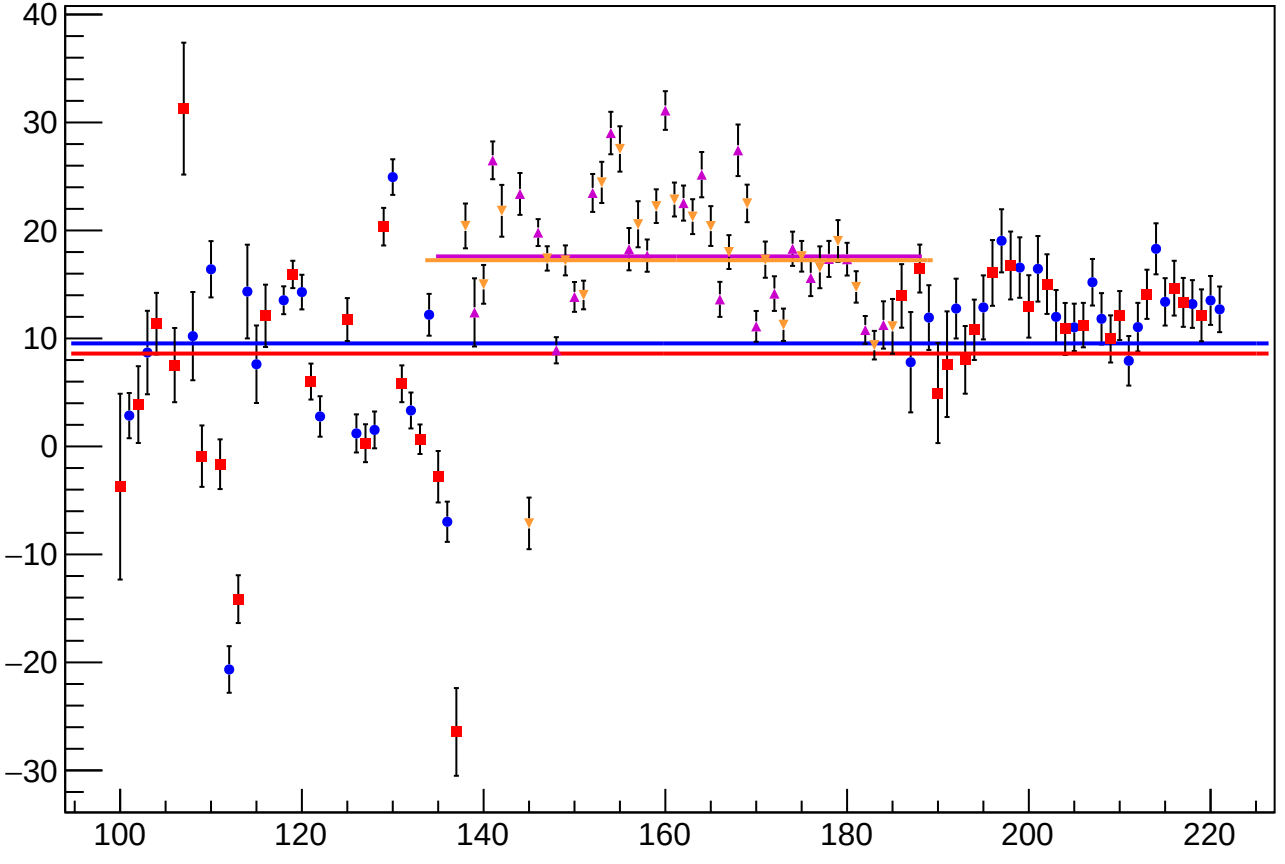
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 9.897+/-0.226 χ^2/NDF: 7462.1/57

All: 10.133+/-0.161 χ^2/NDF: 16286.0/116

- sign 10.376+/-0.229 χ^2/NDF: 8821.7/58

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.540+/-0.378 χ^2/NDF: 532.8/33

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.600+/-0.389 χ^2/NDF: 457.7/35

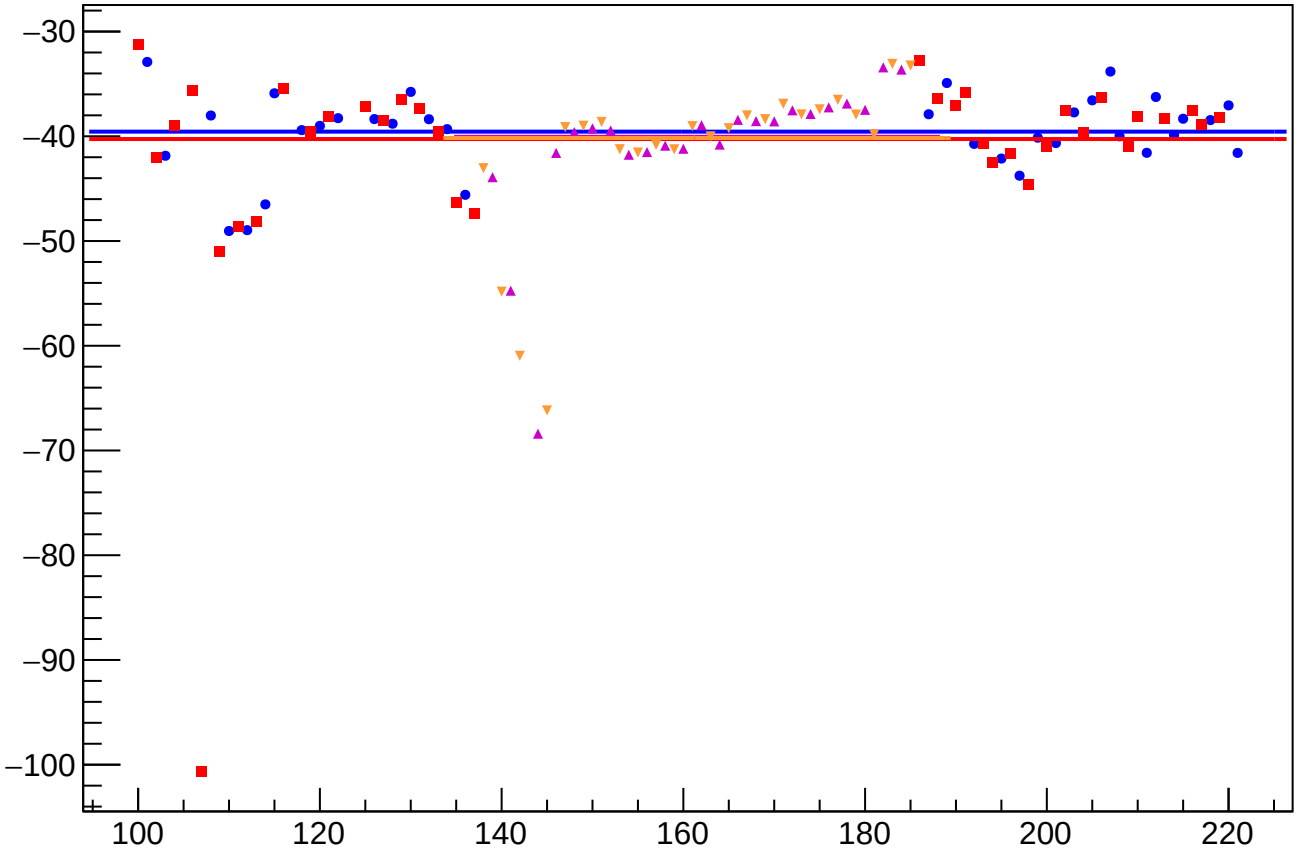
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.824+/-0.252 χ^2/NDF: 1024.2/57

All: 13.751+/-0.180 χ^2/NDF: 2093.0/116

- sign 13.675+/-0.257 χ^2/NDF: 1068.6/58

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.556+/-0.019 χ^2/NDF: 34509.7/33

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.263+/-0.019 χ^2/NDF: 74185.7/35

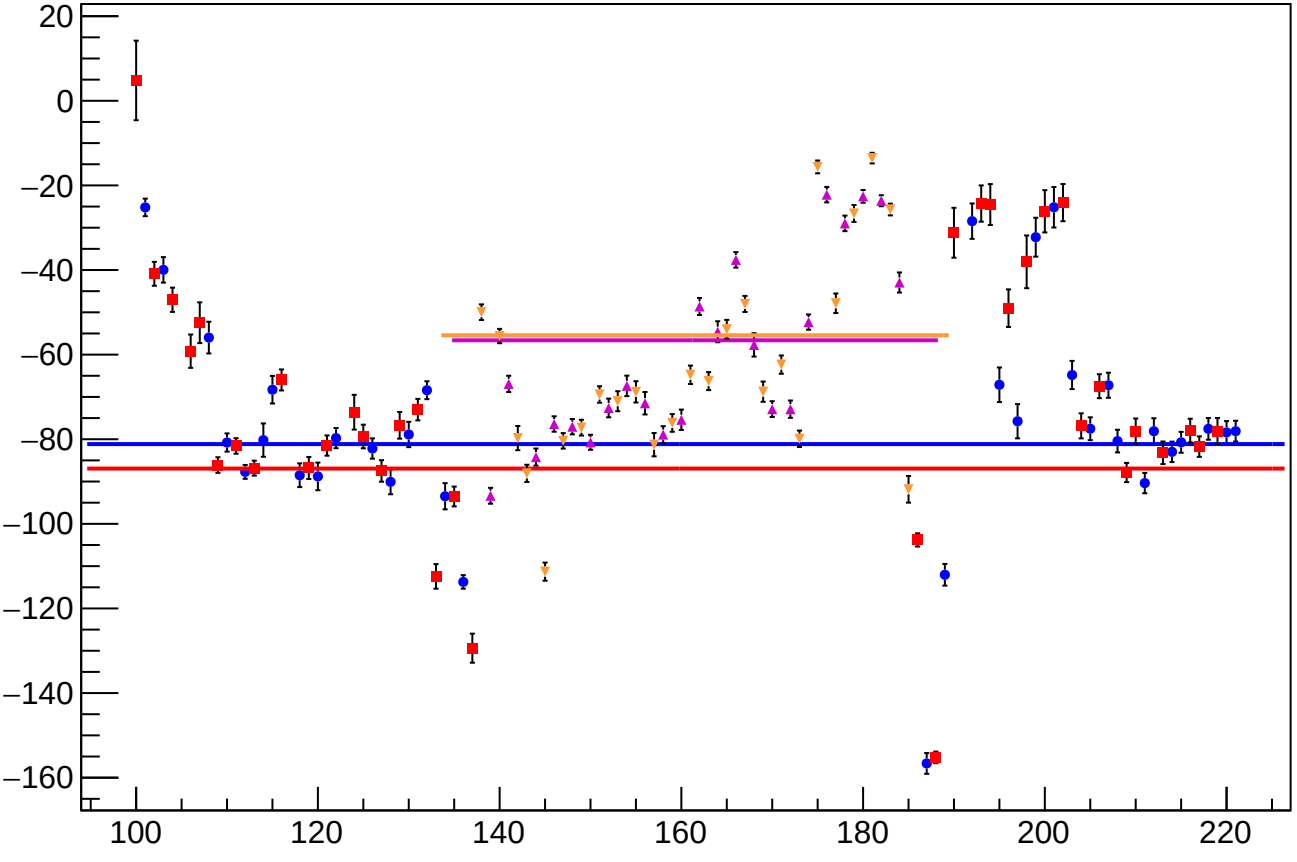
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.925+/-0.012 χ^2/NDF: 198456.3/57

All: -40.028+/-0.009 χ^2/NDF: 409301.6/116

- sign -40.132+/-0.012 χ^2/NDF: 210698.1/58

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.148+/-0.456 χ^2/NDF: 3067.4/33

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -86.930+/-0.445 χ^2/NDF: 4640.8/35

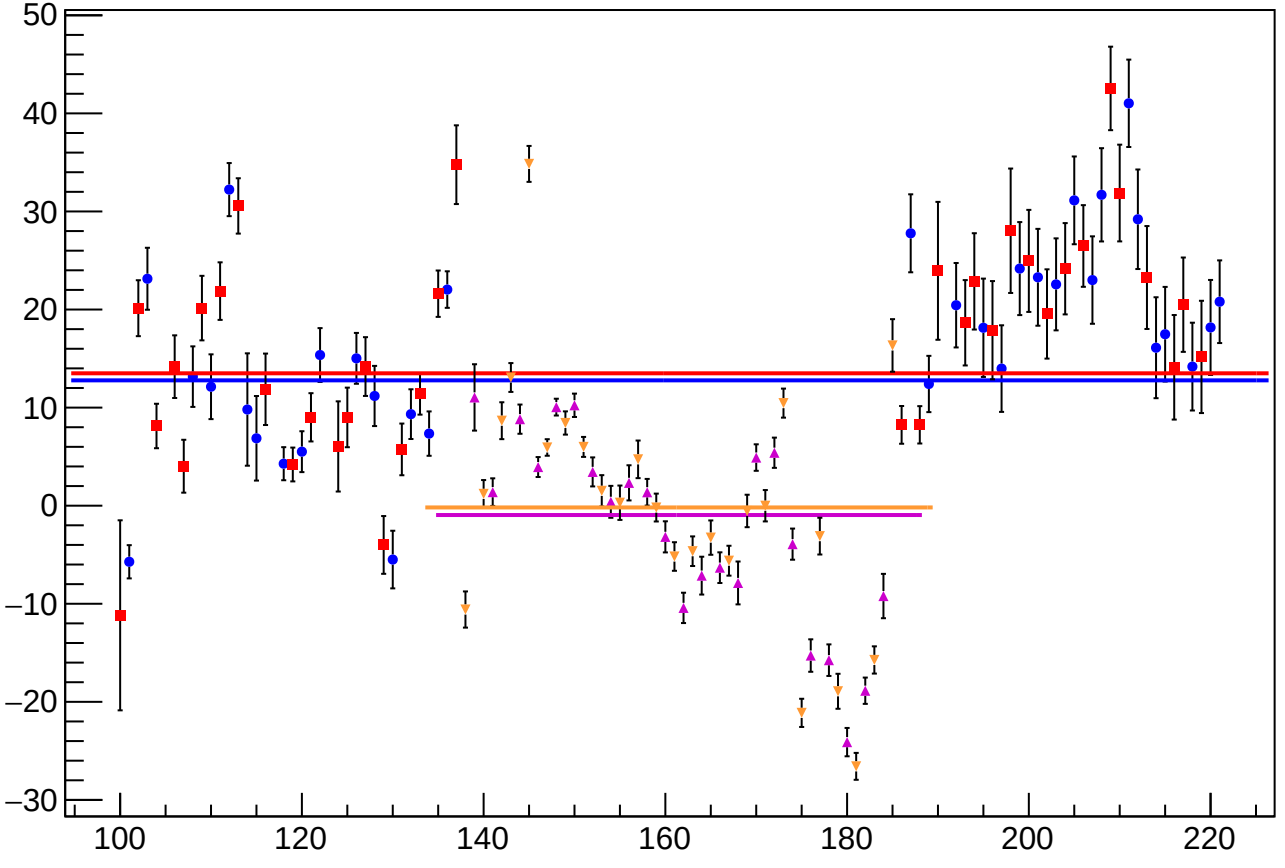
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -66.410+/-0.298 χ^2/NDF: 9419.8/58

All: -68.354+/-0.211 χ^2/NDF: 20045.5/117

- sign -70.313+/-0.299 χ^2/NDF: 10540.2/58

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.778+/-0.533 χ^2/NDF: 422.4/33

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.498+/-0.525 χ^2/NDF: 317.1/35

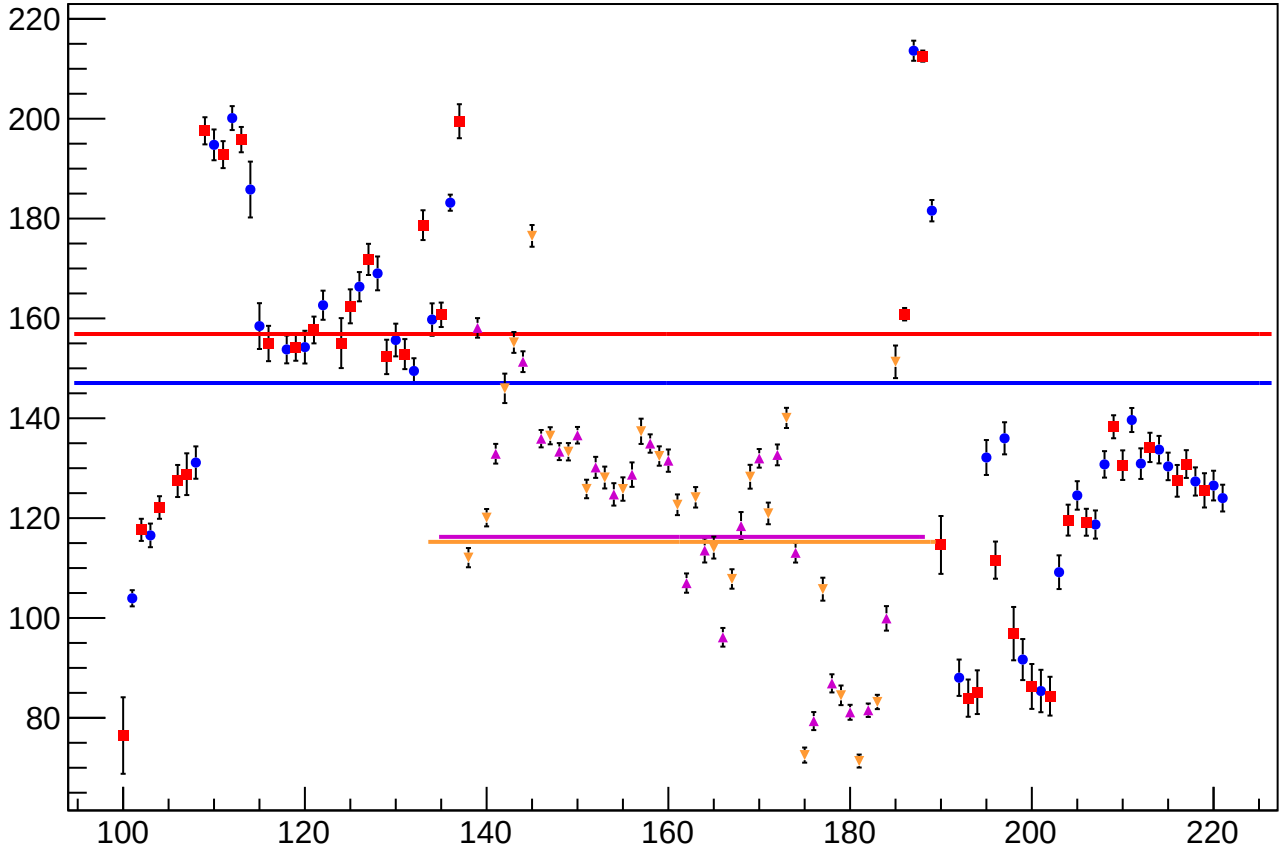
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.842+/-0.258 χ^2/NDF: 2473.5/58

All: 2.759+/-0.184 χ^2/NDF: 4426.9/117

- sign 2.672+/-0.263 χ^2/NDF: 1953.1/58

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 147.063+/-0.471 χ^2/NDF: 4963.9/33

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 156.877+/-0.449 χ^2/NDF: 6568.5/35

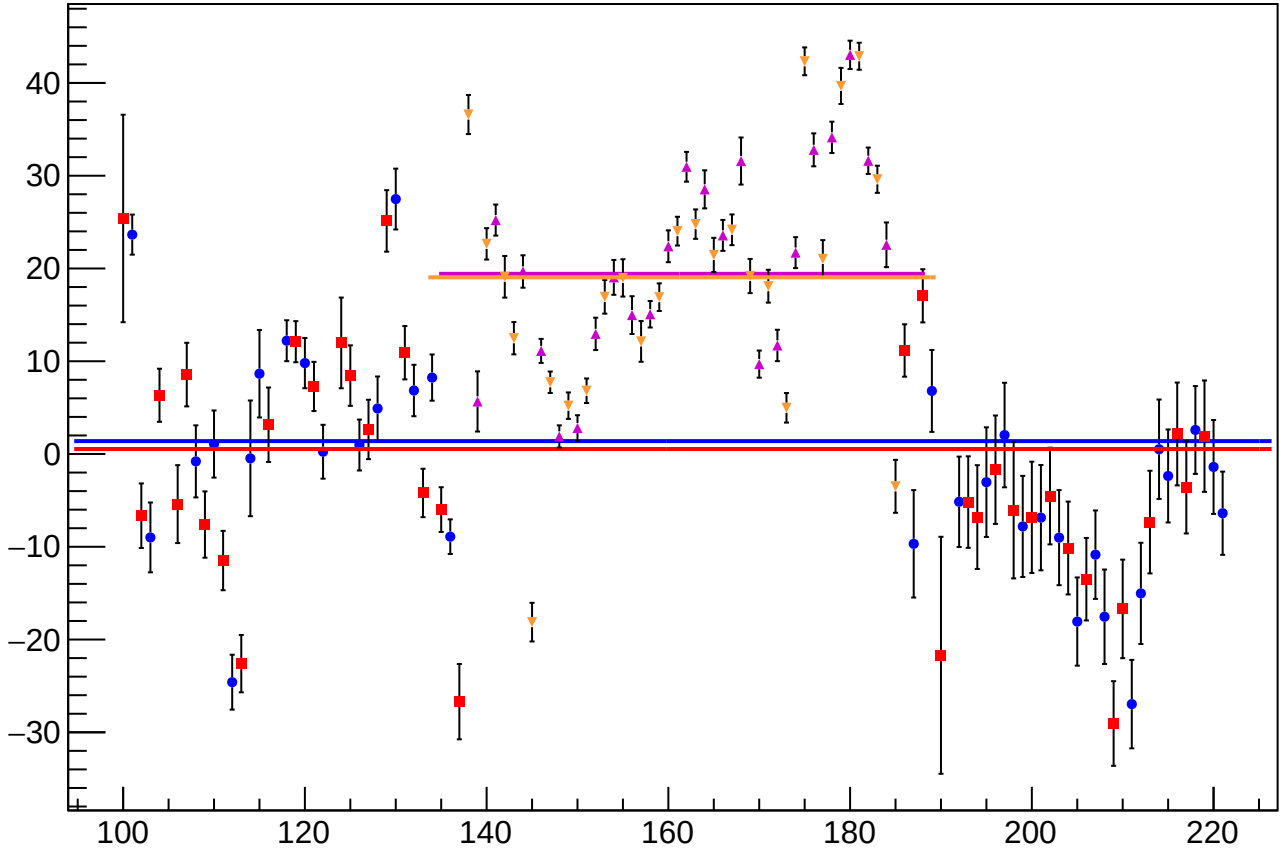
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.212+/-0.300 χ^2/NDF: 12508.9/58

All: 131.208+/-0.212 χ^2/NDF: 27481.3/117

- sign 134.163+/-0.298 χ^2/NDF: 14774.9/58

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.392+/-0.613 χ^2/NDF: 436.3/33

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.541+/-0.618 χ^2/NDF: 392.7/35

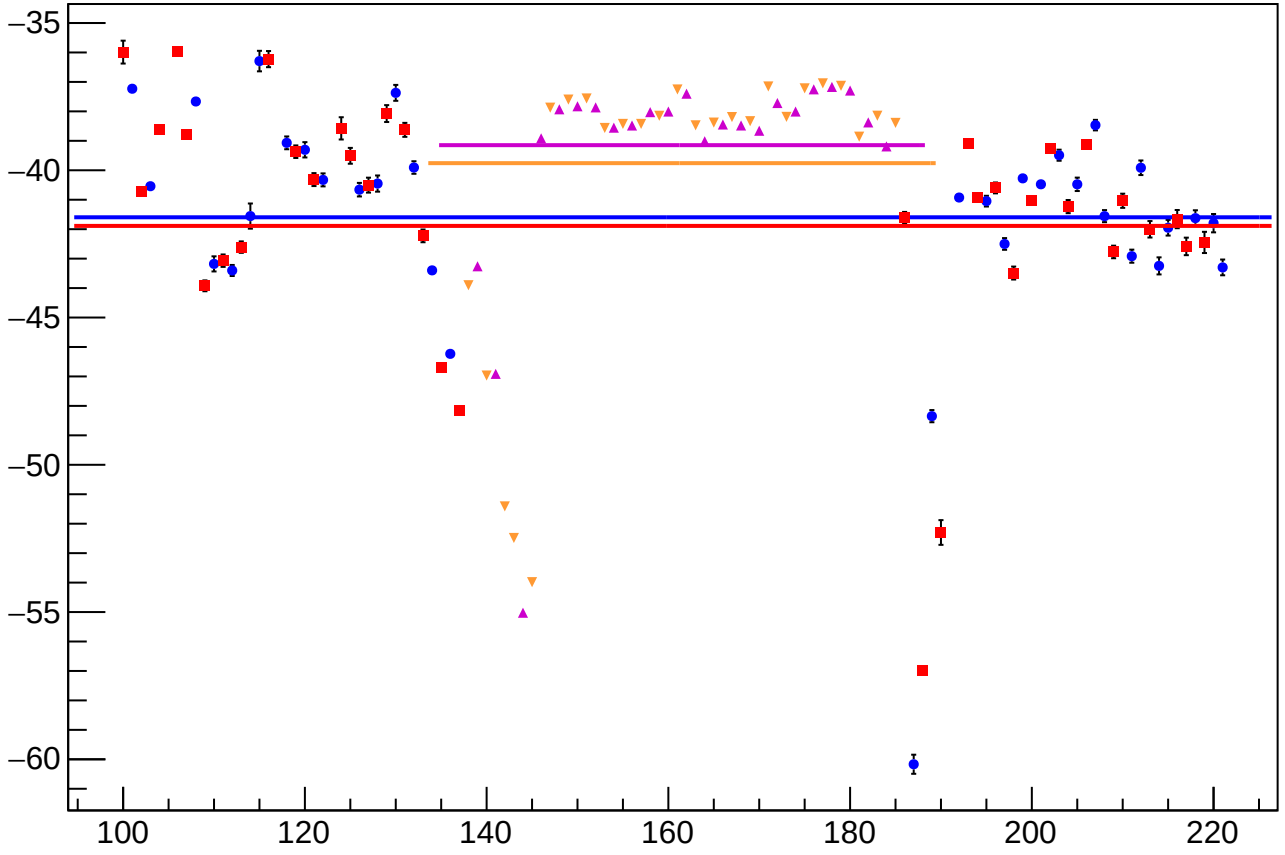
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 14.966+/-0.295 χ^2/NDF: 2619.6/58

All: 14.948+/-0.211 χ^2/NDF: 4799.9/117

- sign 14.929+/-0.302 χ^2/NDF: 2180.3/58

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.596+/-0.030 χ^2/NDF: 13049.0/33

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

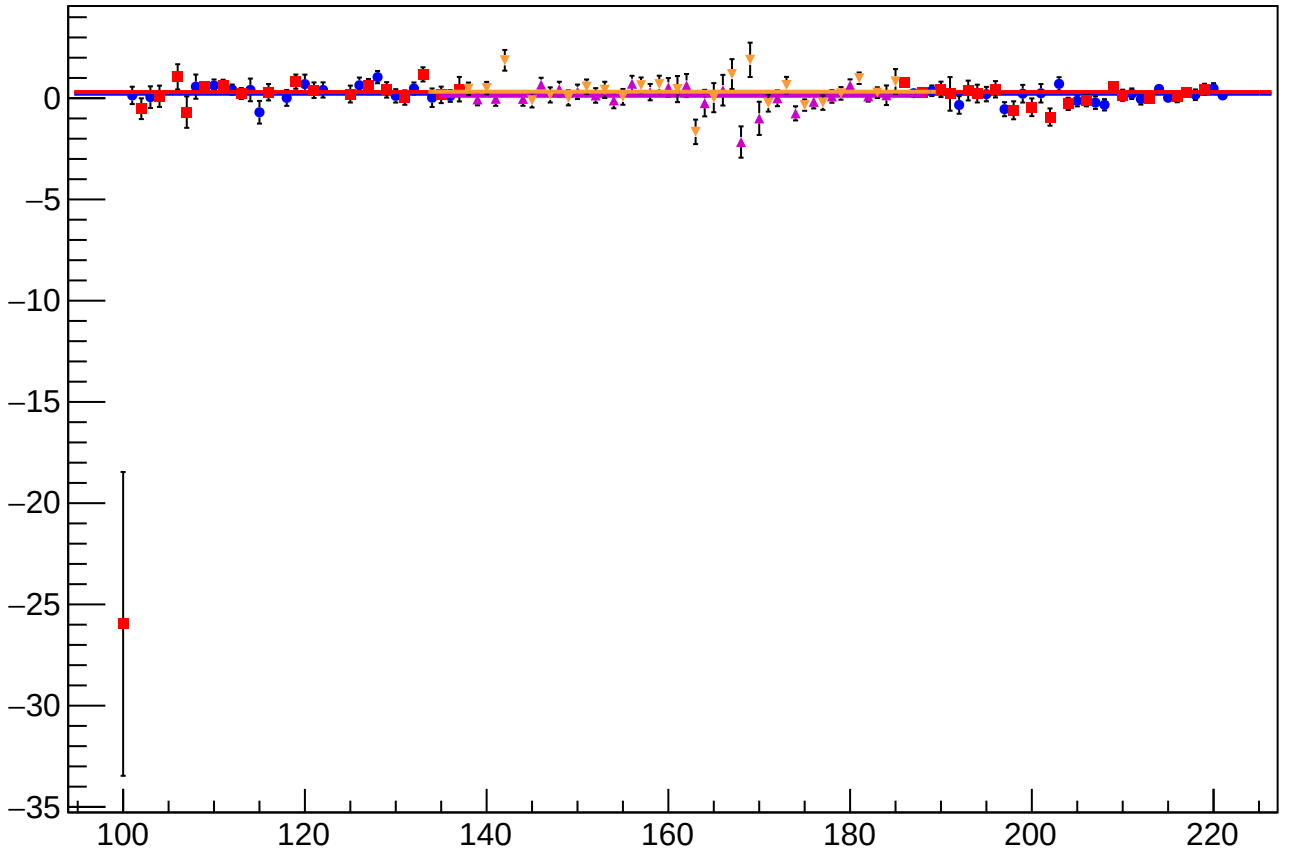
Right Out: -41.889+/-0.031 χ^2/NDF: 19771.1/35

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.140+/-0.014 χ^2/NDF: 97862.6/58

All: -39.928+/-0.010 χ^2/NDF: 171355.2/117

- sign -39.710+/-0.014 χ^2/NDF: 73007.8/58



Right In: 0.221+/-0.054 χ^2/NDF: 37.2/33

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.304+/-0.052 χ^2/NDF: 64.6/35

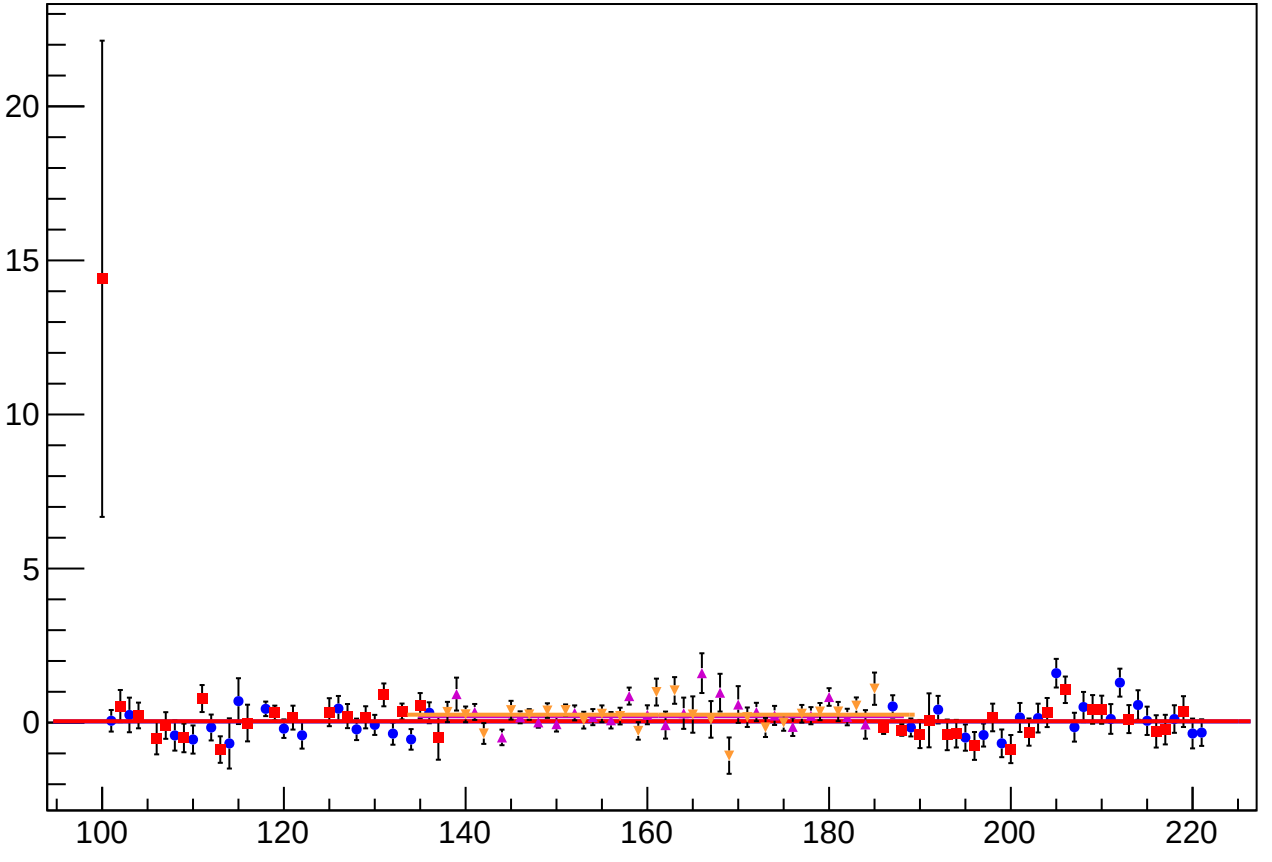
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

\+ sign 0.253+/-0.045 χ^2/NDF: 85.2/57

All: 0.251+/-0.031 χ^2/NDF: 183.5/116

\- sign 0.249+/-0.043 χ^2/NDF: 98.3/58

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.037+/-0.069 χ^2/NDF: 47.1/33

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.044+/-0.065 χ^2/NDF: 47.6/35

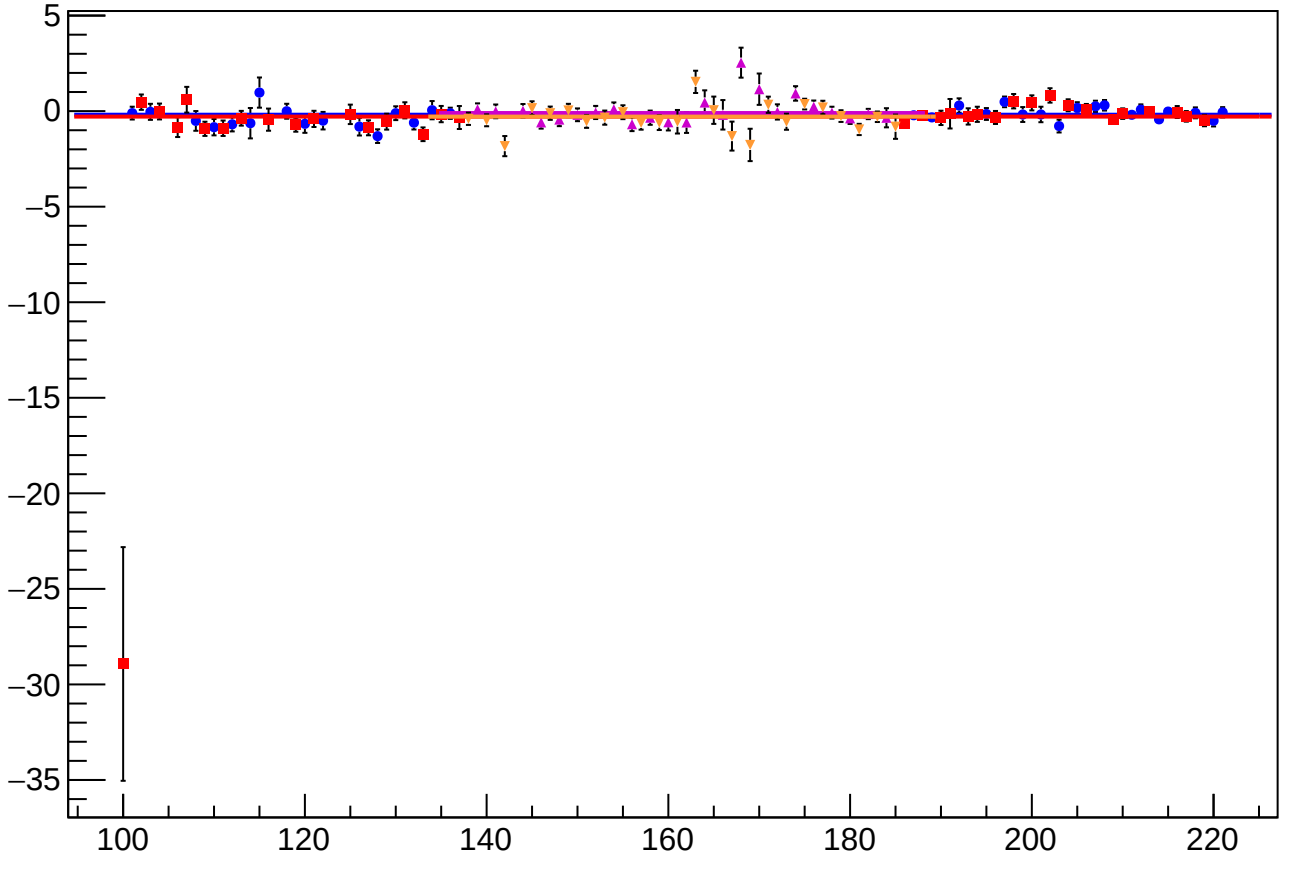
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.163+/-0.045 χ^2/NDF: 79.4/57

All: 0.147+/-0.032 χ^2/NDF: 162.5/116

- sign 0.132+/-0.044 χ^2/NDF: 82.8/58

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.188+/-0.055 χ^2/NDF: 43.8/33

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.286+/-0.051 χ^2/NDF: 77.9/35

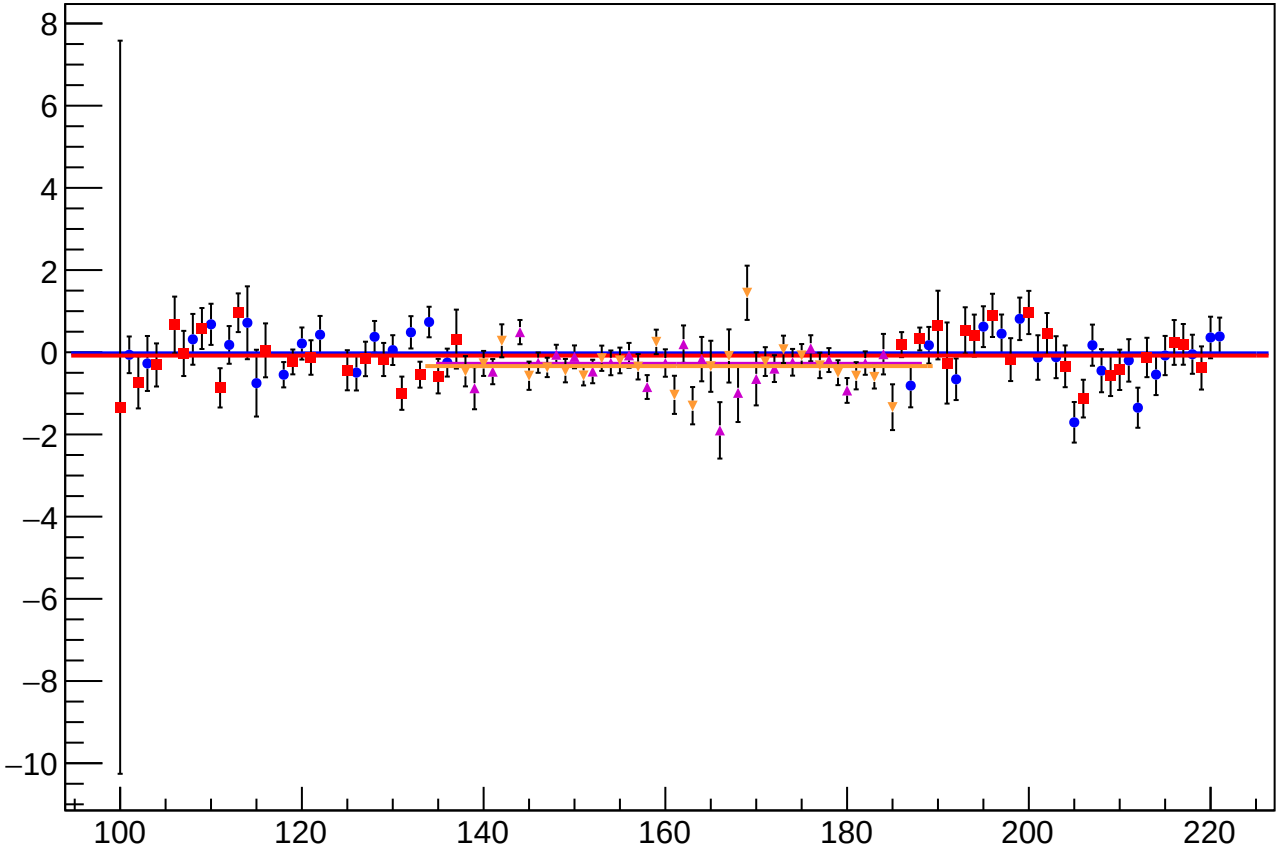
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.221+/-0.045 χ^2/NDF: 89.9/57

All: -0.226+/-0.031 χ^2/NDF: 205.1/116

- sign -0.231+/-0.043 χ^2/NDF: 115.1/58

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.027+/-0.079 χ^2/NDF: 48.7/33

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.081+/-0.078 χ^2/NDF: 44.0/35

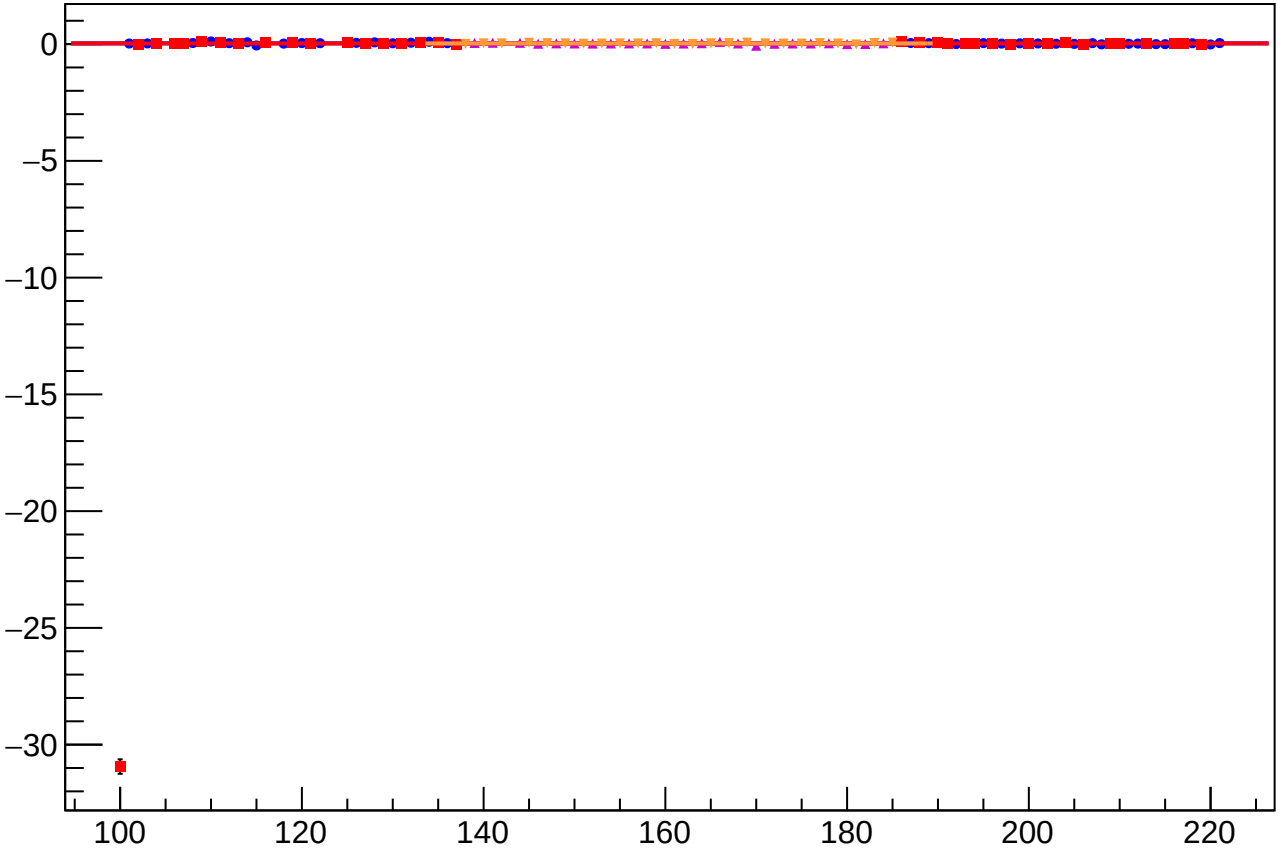
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.206+/-0.052 χ^2/NDF: 87.6/57

All: -0.200+/-0.037 χ^2/NDF: 164.4/116

- sign -0.194+/-0.052 χ^2/NDF: 76.7/58

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.032+/-0.004 χ^2/NDF: 43.2/33

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10058.6/35

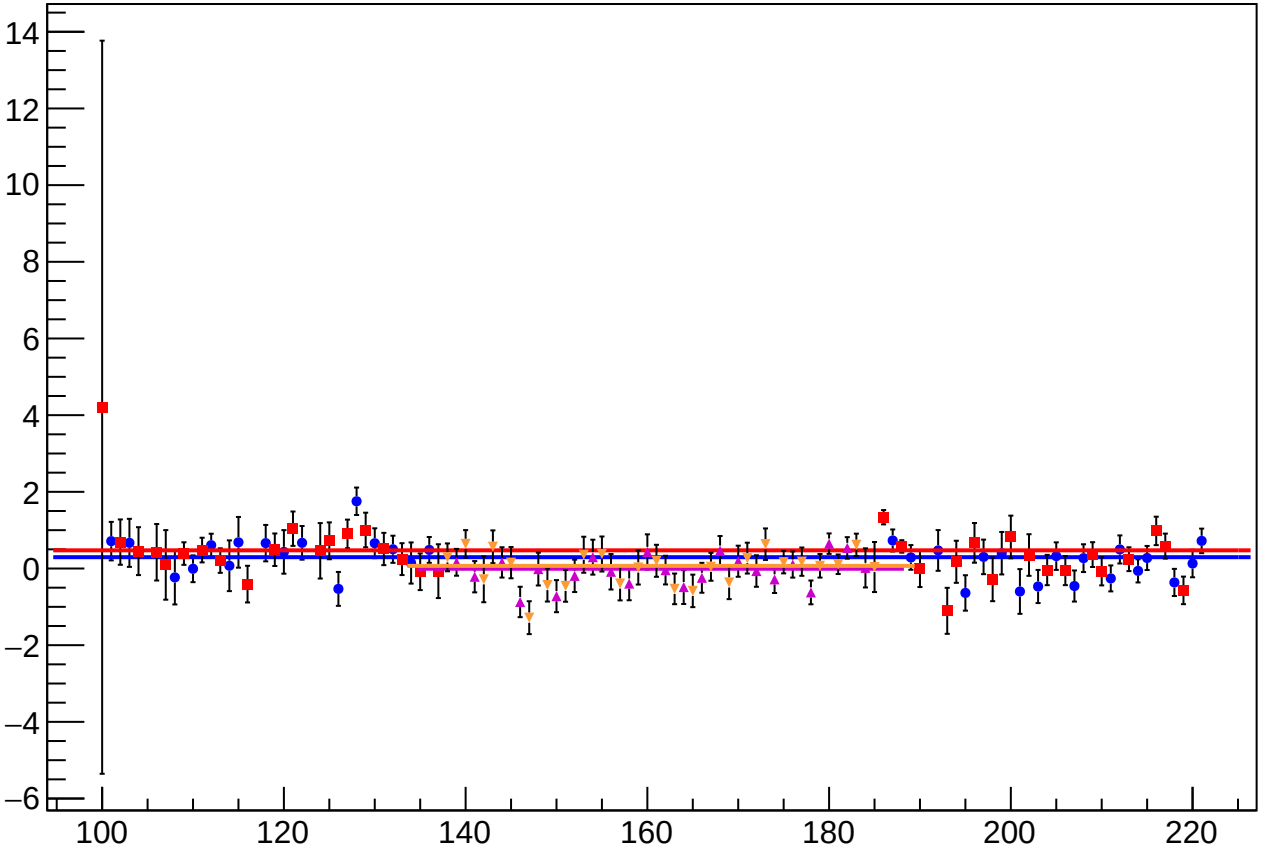
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.030+/-0.002 χ^2/NDF: 71.5/57

All: 0.030+/-0.002 χ^2/NDF: 10168.9/116

- sign 0.029+/-0.002 χ^2/NDF: 10097.5/58

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.295+/-0.068 χ^2/NDF: 52.3/33

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.474+/-0.064 χ^2/NDF: 60.7/35

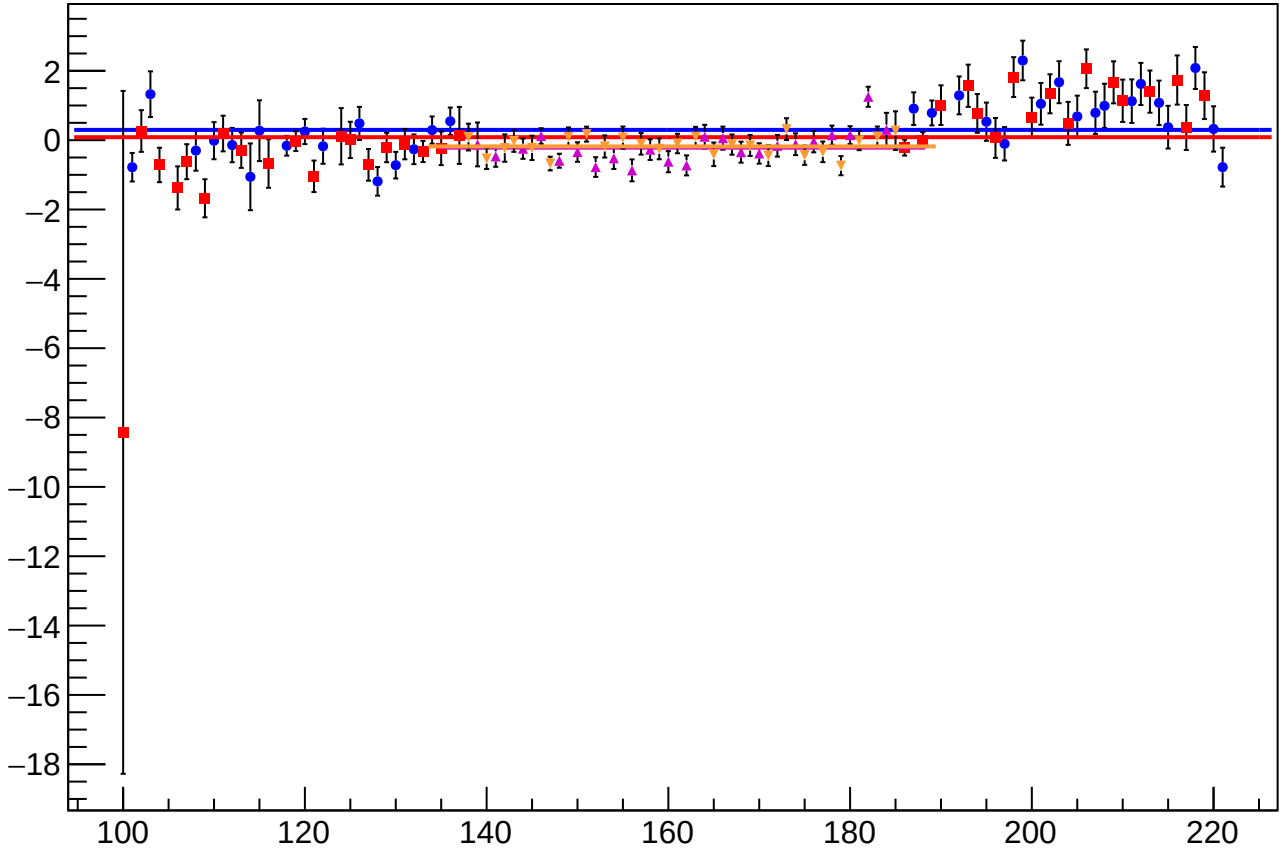
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.196+/-0.051 χ^2/NDF: 88.3/58

All: 0.242+/-0.036 χ^2/NDF: 201.3/117

\- sign 0.286+/-0.050 χ^2/NDF: 111.5/58

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.297+/-0.085 χ^2/NDF: 88.5/33

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.079 χ^2/NDF: 98.3/35

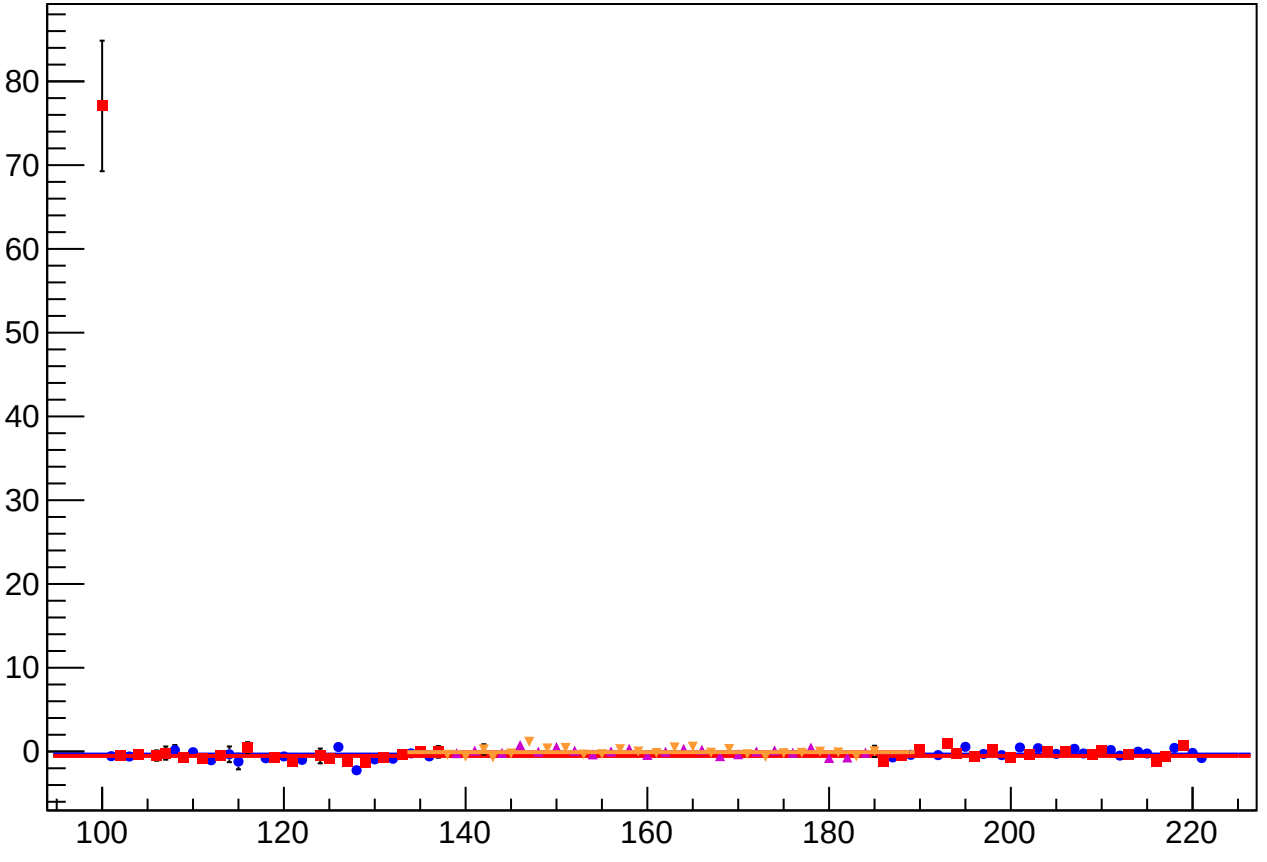
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

\+ sign -0.024+/-0.049 χ^2/NDF: 134.5/58

All: -0.063+/-0.034 χ^2/NDF: 296.7/117

\- sign -0.102+/-0.049 χ^2/NDF: 160.9/58

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.365+/-0.070 χ^2/NDF: 59.3/33

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.526+/-0.062 χ^2/NDF: 161.3/35

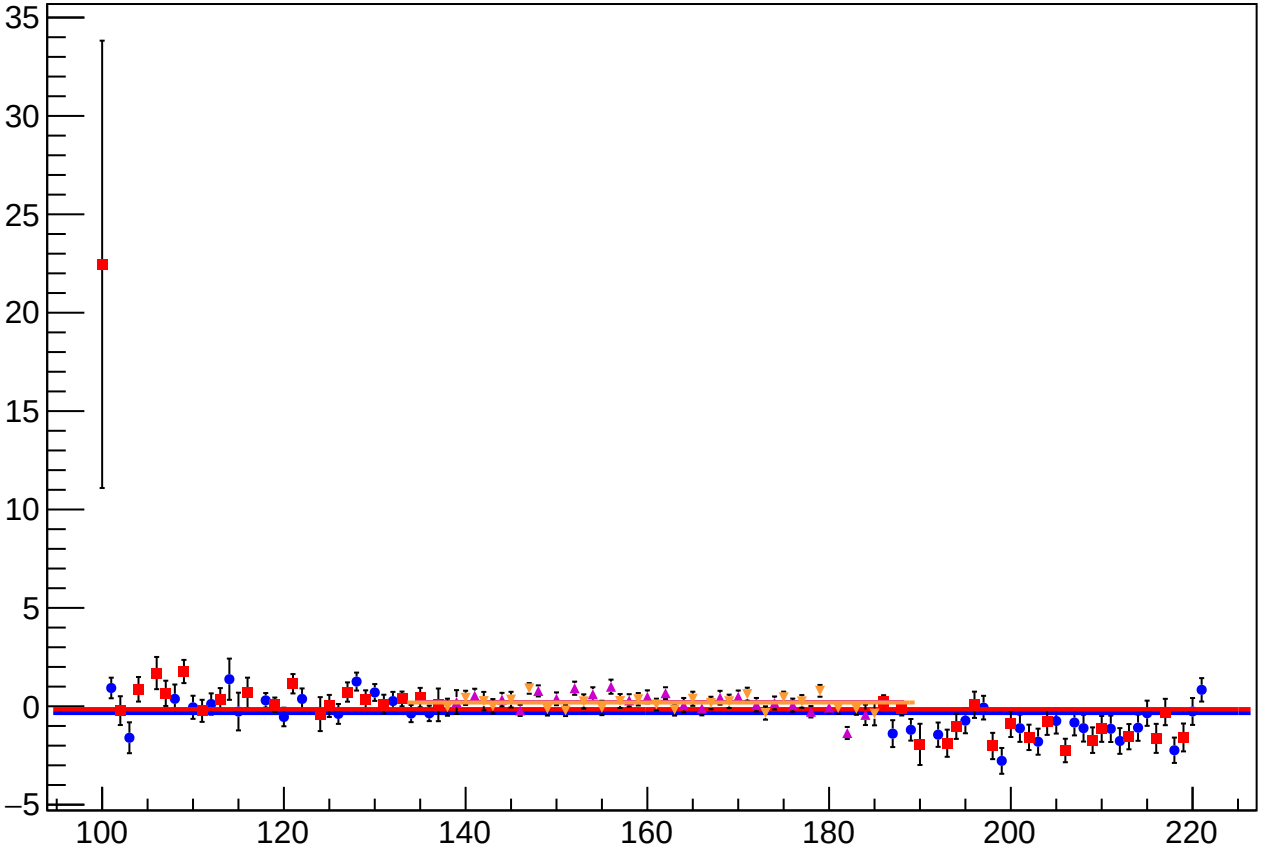
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.235+/-0.052 χ^2/NDF: 97.0/58

All: -0.297+/-0.035 χ^2/NDF: 309.5/117

- sign -0.353+/-0.049 χ^2/NDF: 209.8/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.346+/-0.098 χ^2/NDF: 88.5/33

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.141+/-0.095 χ^2/NDF: 102.0/35

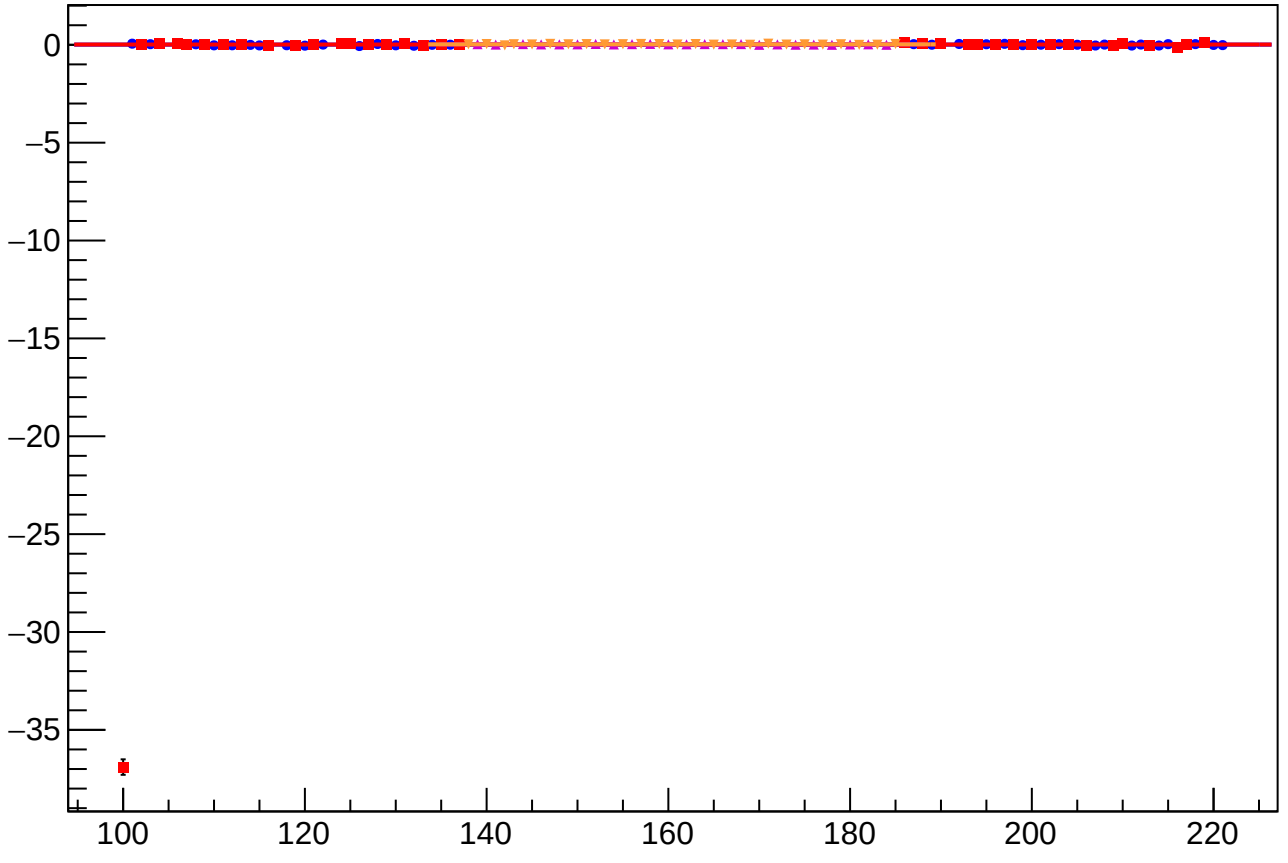
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.021+/-0.055 χ^2/NDF: 135.1/58

All: 0.056+/-0.039 χ^2/NDF: 302.1/117

- sign 0.092+/-0.056 χ^2/NDF: 166.2/58

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.005 χ^2/NDF: 38.0/33

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8799.8/35

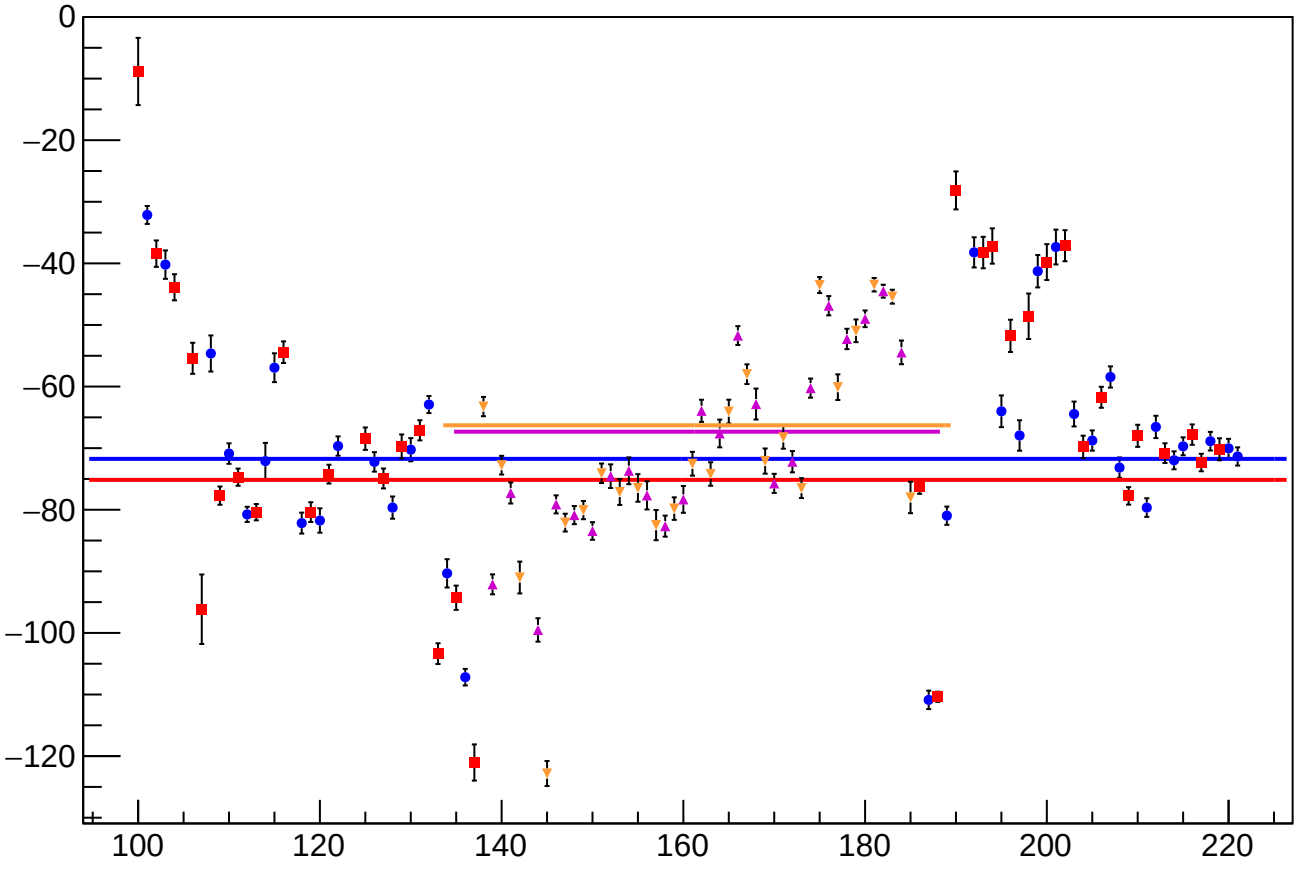
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 75.2/58

All: 0.021+/-0.002 χ^2/NDF: 8896.1/117

- sign 0.021+/-0.003 χ^2/NDF: 8820.8/58

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.739+/-0.297 χ^2/NDF: 3261.5/33

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.148+/-0.294 χ^2/NDF: 4629.6/34

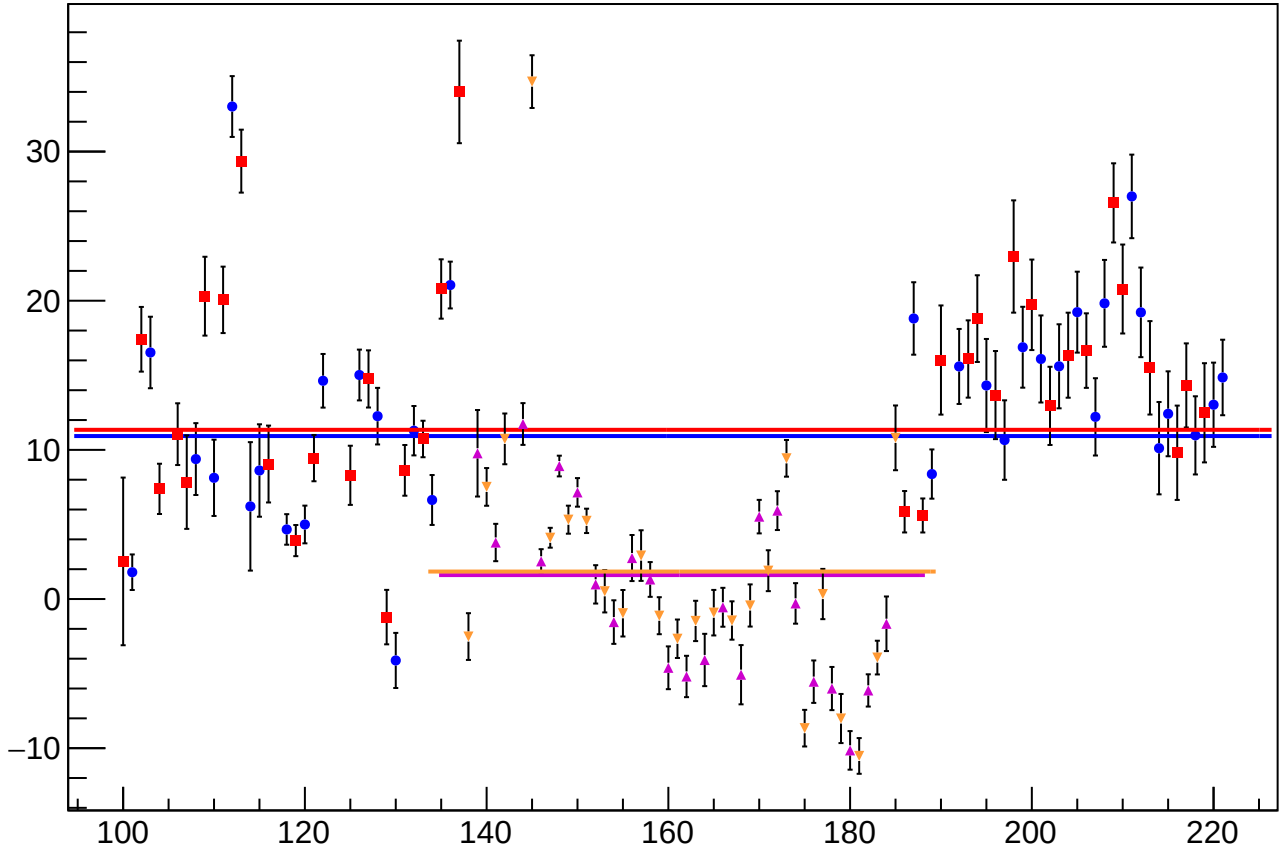
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

\+ sign -69.409+/-0.225 χ^2/NDF: 5955.7/57

All: -70.637+/-0.159 χ^2/NDF: 13044.4/115

\- sign -71.856+/-0.224 χ^2/NDF: 7029.2/57

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.926+/-0.350 χ^2/NDF: 460.4/33

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.345+/-0.349 χ^2/NDF: 415.7/34

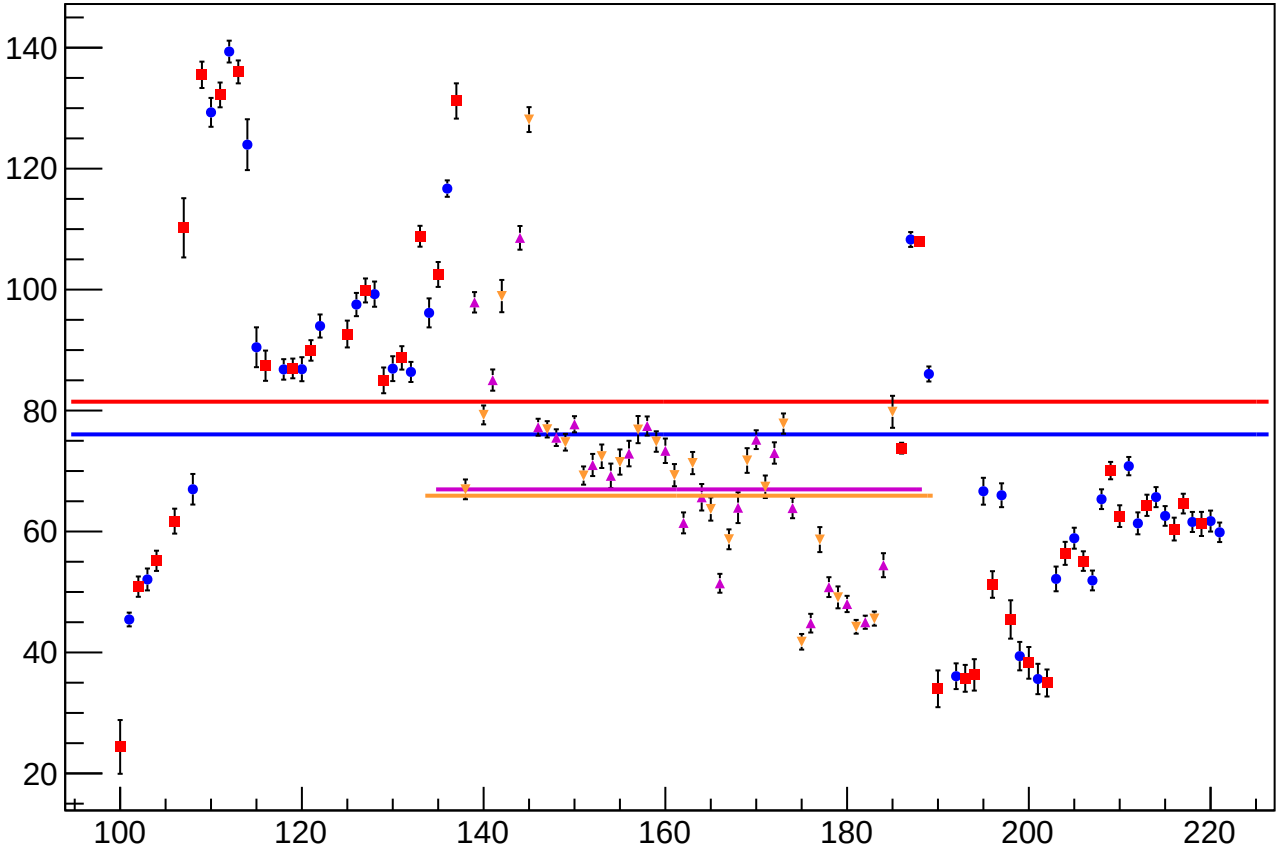
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.979+/-0.206 χ^2/NDF: 1682.1/57

All: 5.013+/-0.146 χ^2/NDF: 3096.6/115

- sign 5.048+/-0.208 χ^2/NDF: 1414.5/57

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 76.057+/-0.305 χ^2/NDF: 6802.3/33

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 81.466+/-0.294 χ^2/NDF: 8436.0/34

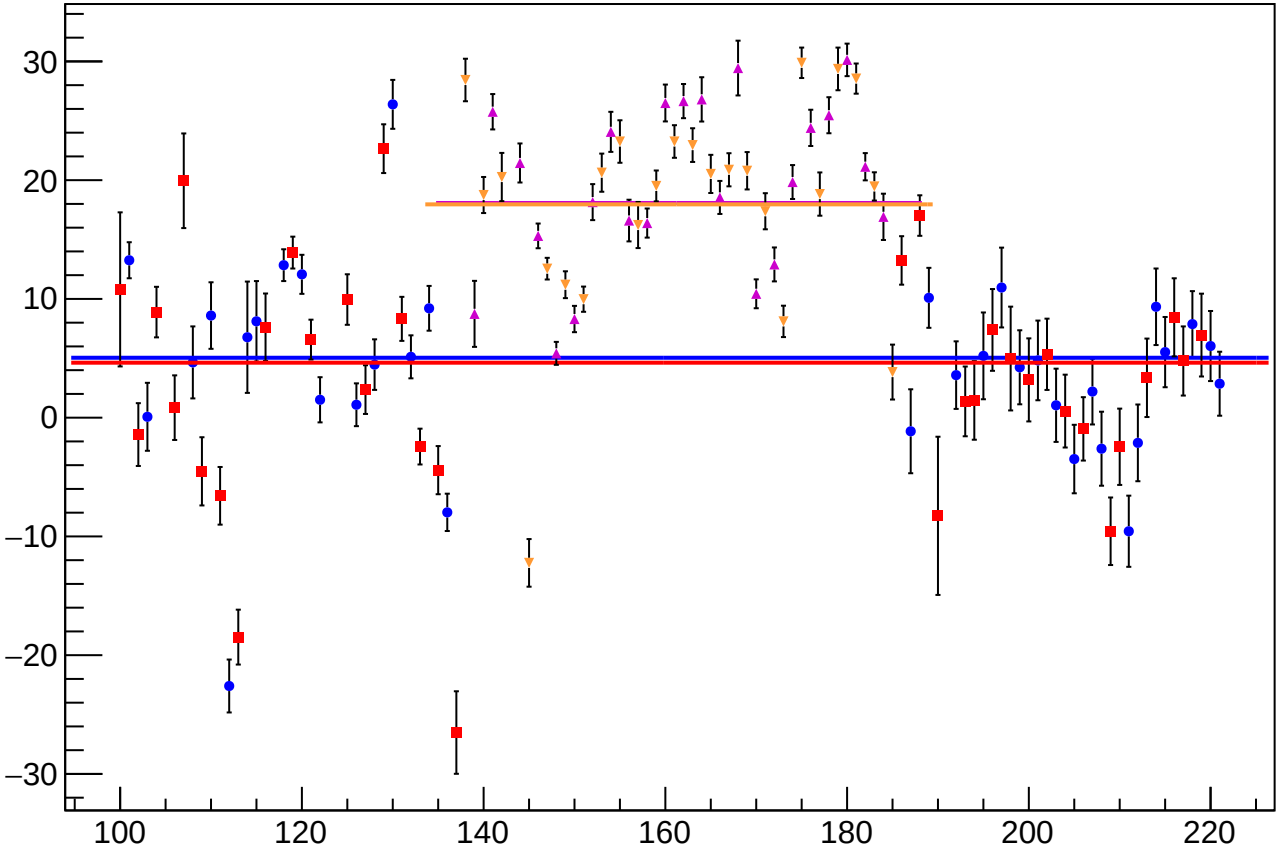
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 71.550+/-0.227 χ^2/NDF: 9849.7/57

All: 73.459+/-0.159 χ^2/NDF: 21683.1/115

- sign 75.294+/-0.223 χ^2/NDF: 11694.8/57

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.046+/-0.406 χ^2/NDF: 490.5/33

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.630+/-0.414 χ^2/NDF: 534.3/34

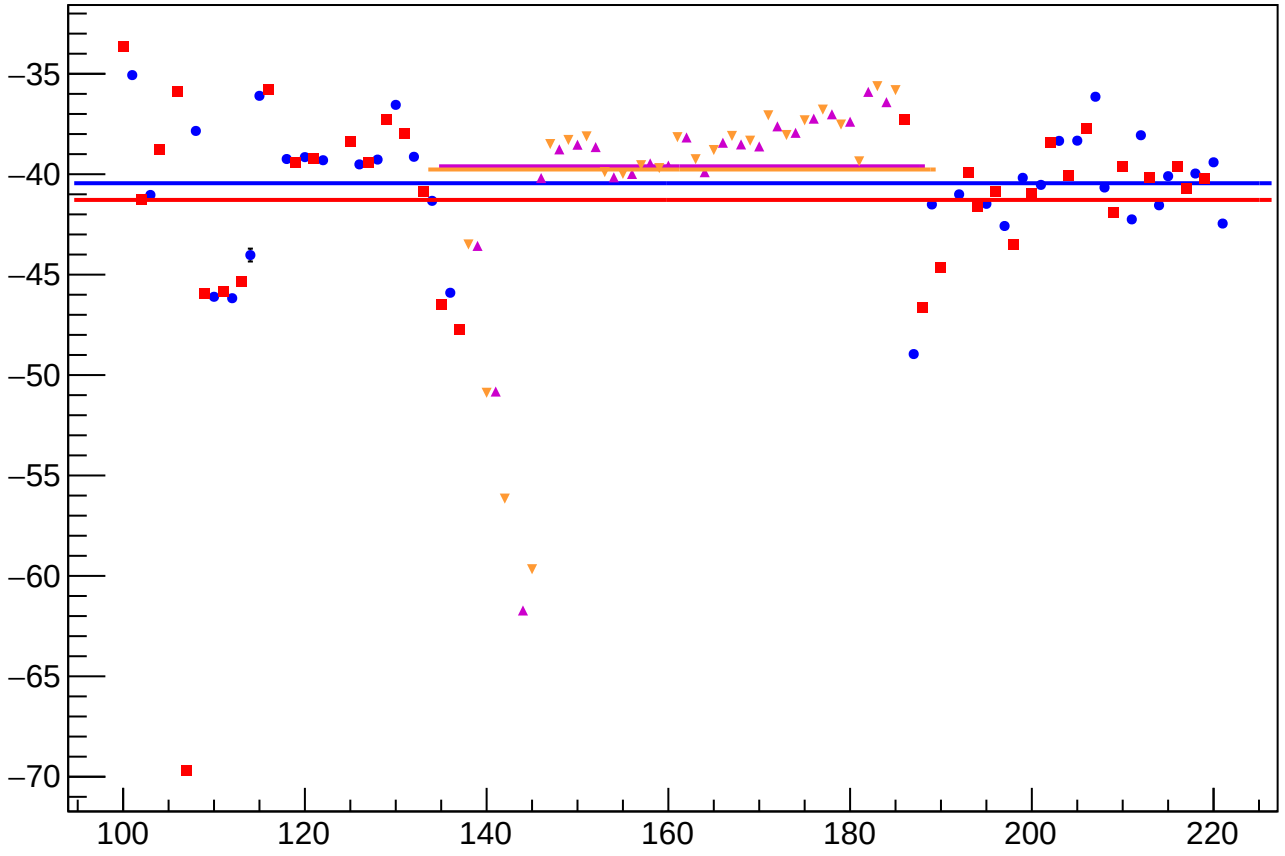
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 13.563+/-0.237 χ^2/NDF: 1889.4/57

All: 13.556+/-0.169 χ^2/NDF: 3729.7/115

- sign 13.548+/-0.240 χ^2/NDF: 1840.3/57

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.448+/-0.020 χ^2/NDF: 23535.2/33

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.280+/-0.021 χ^2/NDF: 44950.1/34

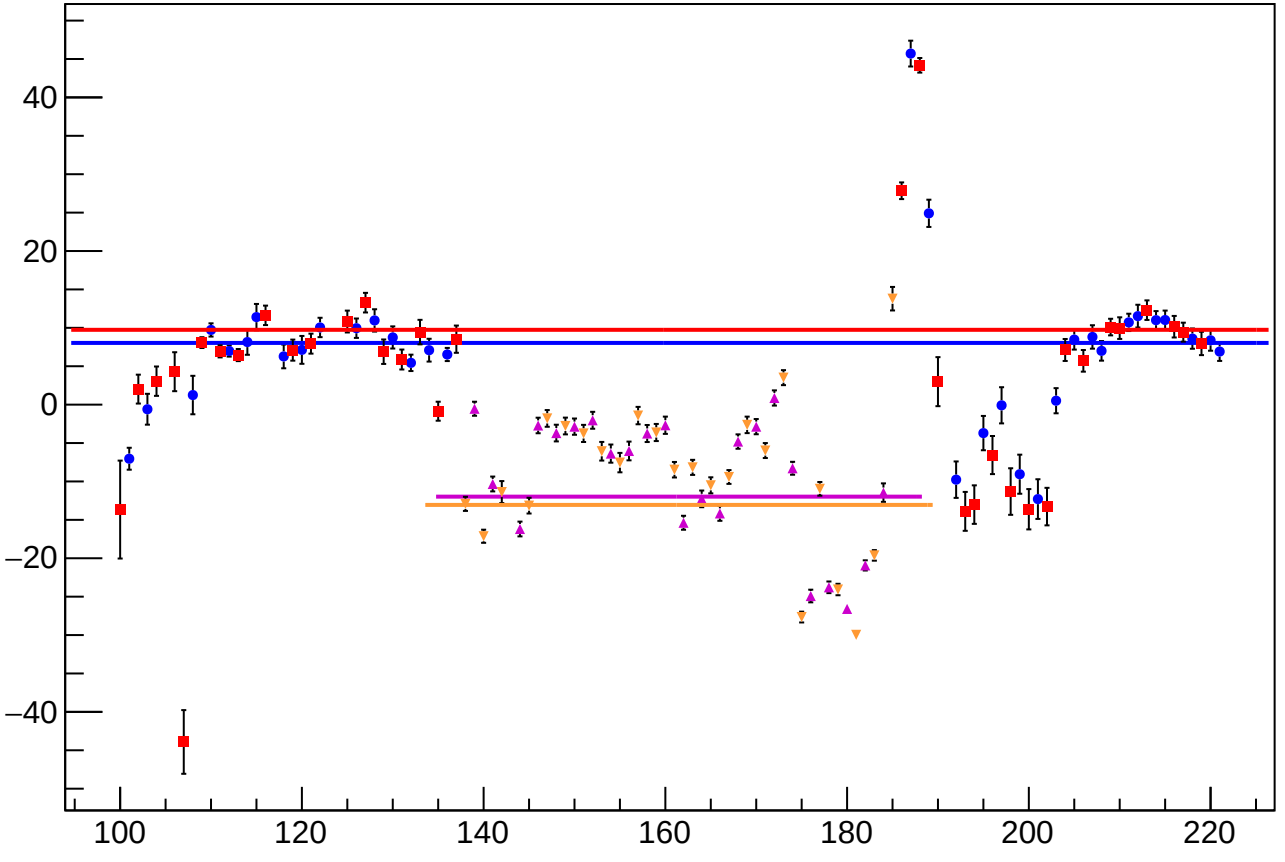
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.974+/-0.011 χ^2/NDF: 154218.6/57

All: -40.038+/-0.008 χ^2/NDF: 310507.4/115

- sign -40.101+/-0.011 χ^2/NDF: 156224.8/57

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.036+/-0.233 χ^2/NDF: 1009.2/33

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.742+/-0.231 χ^2/NDF: 2392.9/34

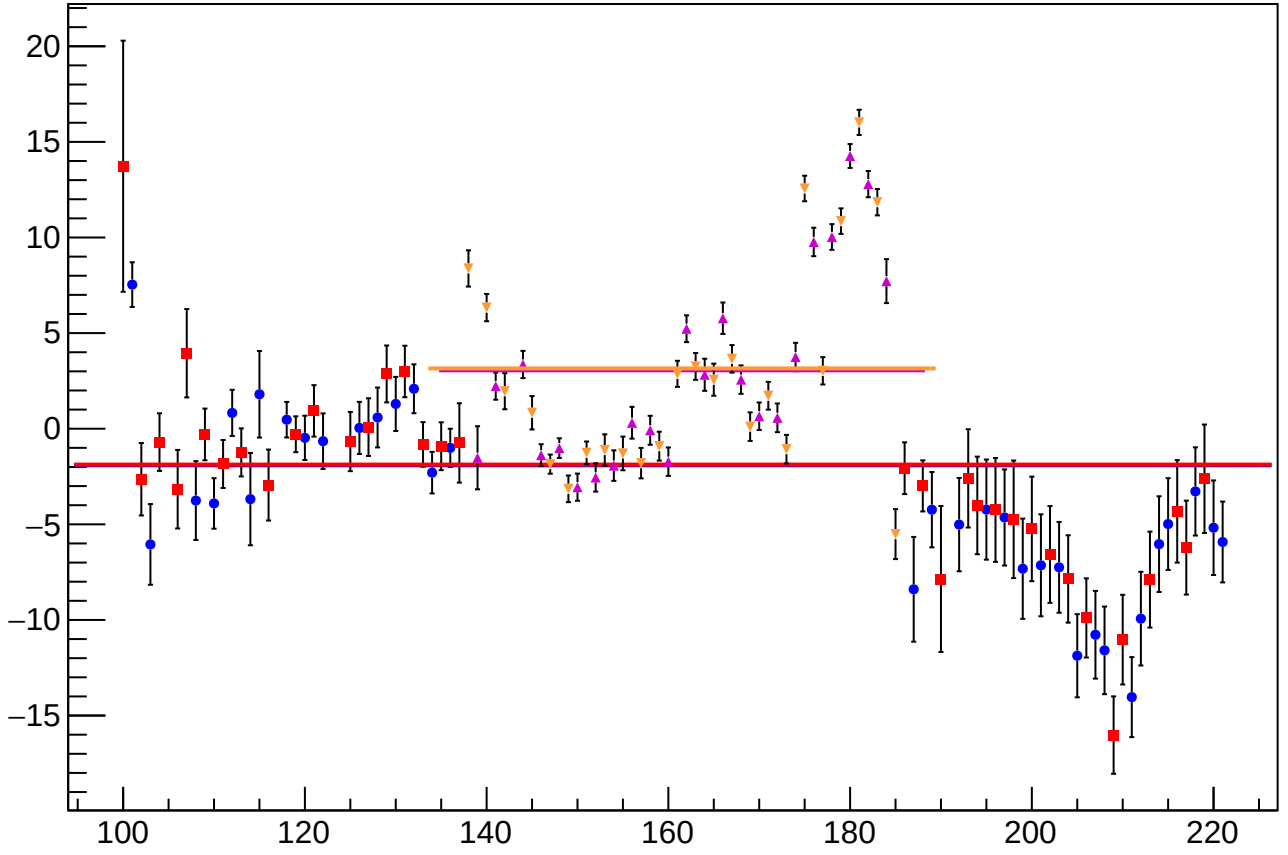
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

+ sign -4.485+/-0.149 χ^2/NDF: 8740.6/57

All: -3.700+/-0.105 χ^2/NDF: 18521.3/115

- sign -2.908+/-0.149 χ^2/NDF: 9724.6/57

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.912+/-0.285 χ^2/NDF: 241.8/33

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.875+/-0.290 χ^2/NDF: 155.9/34

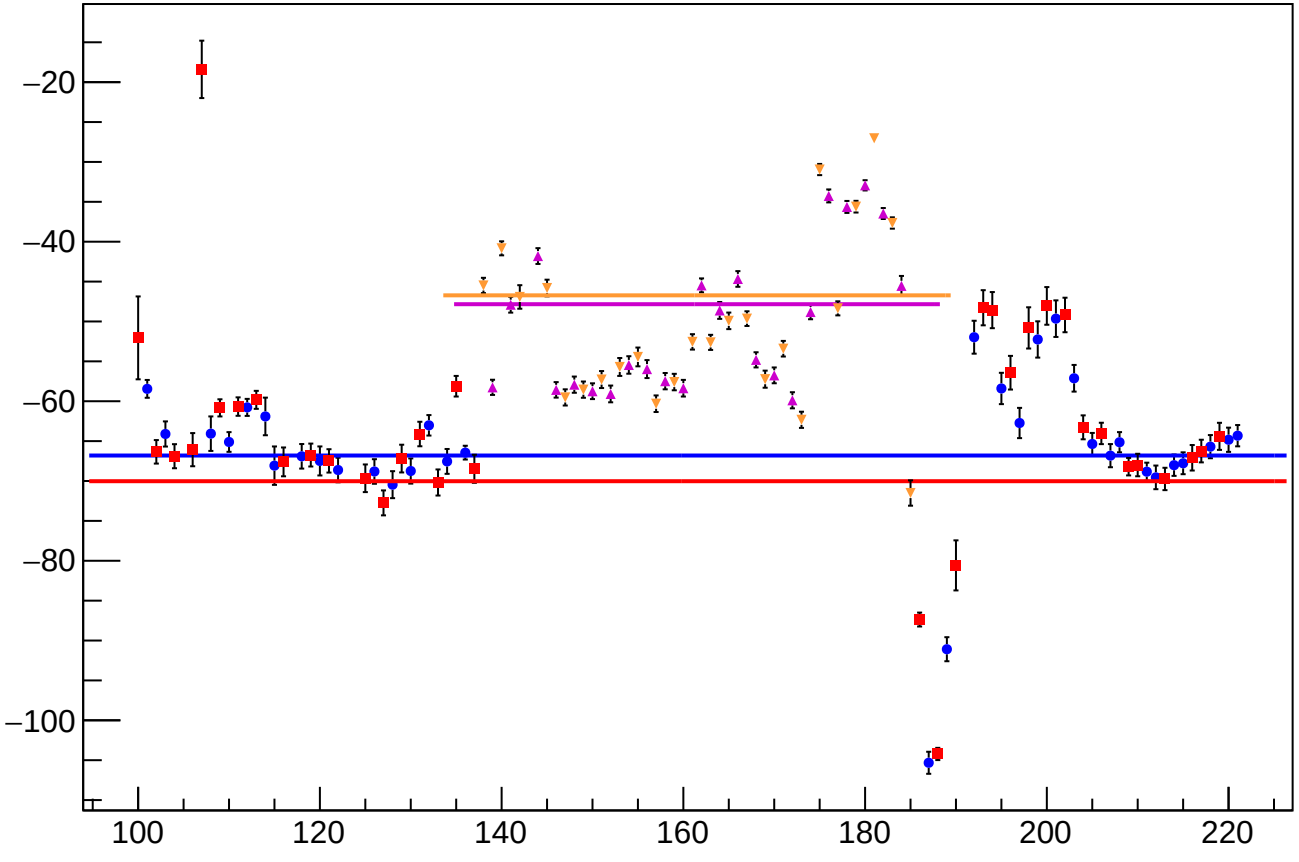
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.063+/-0.132 χ^2/NDF: 1875.0/57

All: 2.029+/-0.094 χ^2/NDF: 3402.6/115

- sign 1.993+/-0.135 χ^2/NDF: 1527.5/57

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.805+/-0.251 χ^2/NDF: 1376.0/33

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.025+/-0.249 χ^2/NDF: 3498.2/34

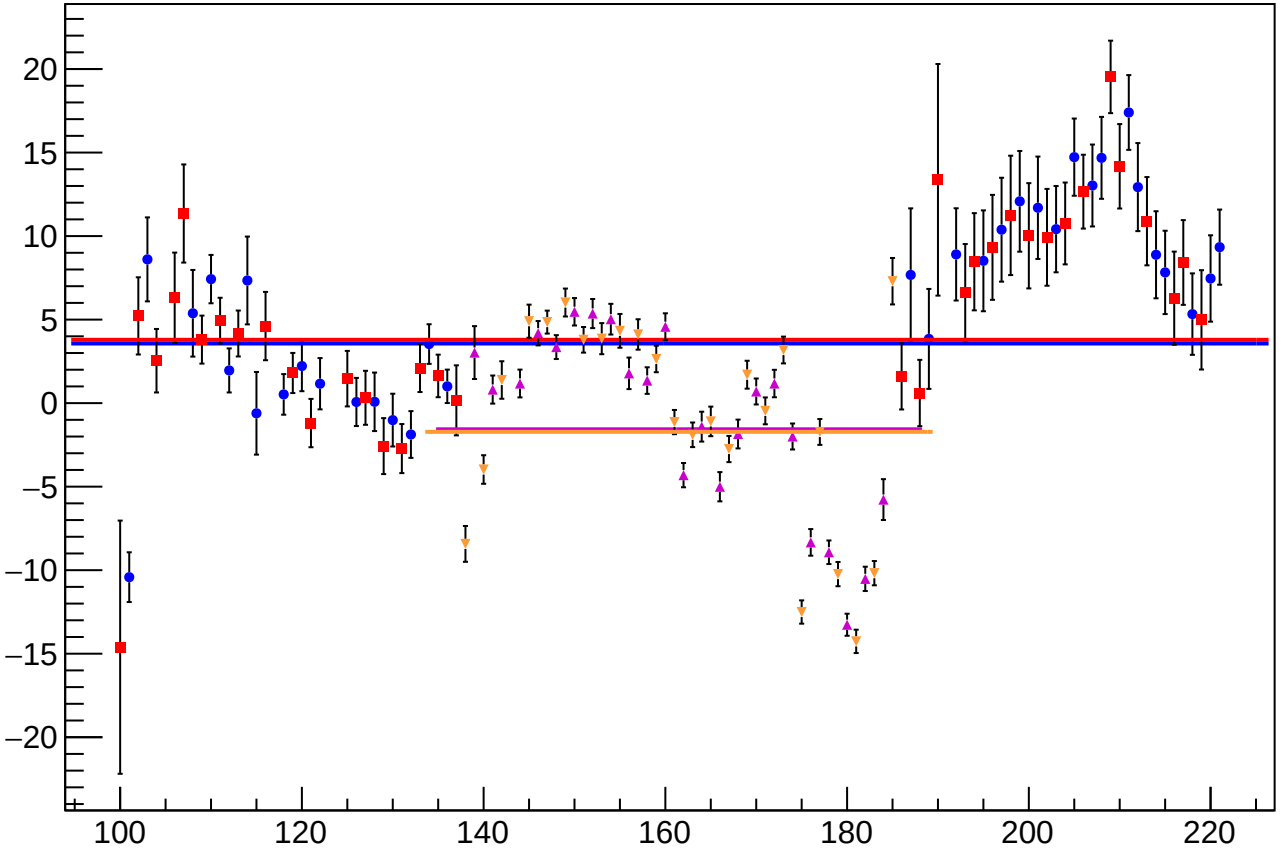
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

\+ sign -54.114+/-0.152 χ^2/NDF: 8867.0/57

All: -55.147+/-0.108 χ^2/NDF: 19948.9/115

\- sign -56.190+/-0.153 χ^2/NDF: 10989.5/57

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.570+/-0.322 χ^2/NDF: 316.1/33

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.791+/-0.333 χ^2/NDF: 208.0/34

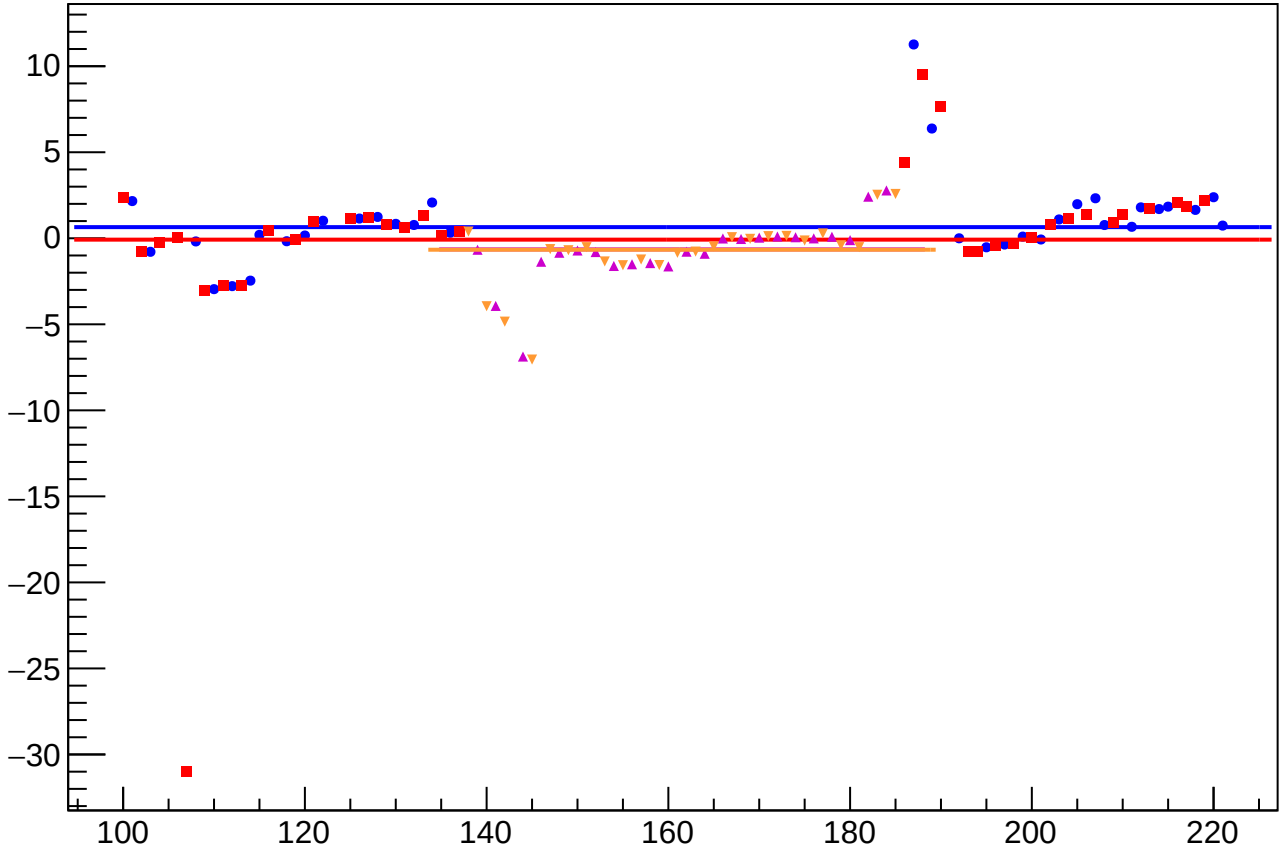
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.587+/-0.149 χ^2/NDF: 1934.6/57

All: -0.521+/-0.106 χ^2/NDF: 3465.9/115

- sign -0.451+/-0.152 χ^2/NDF: 1530.9/57

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.648+/-0.016 χ^2/NDF: 10718.9/33

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.080+/-0.017 χ^2/NDF: 61787.0/34

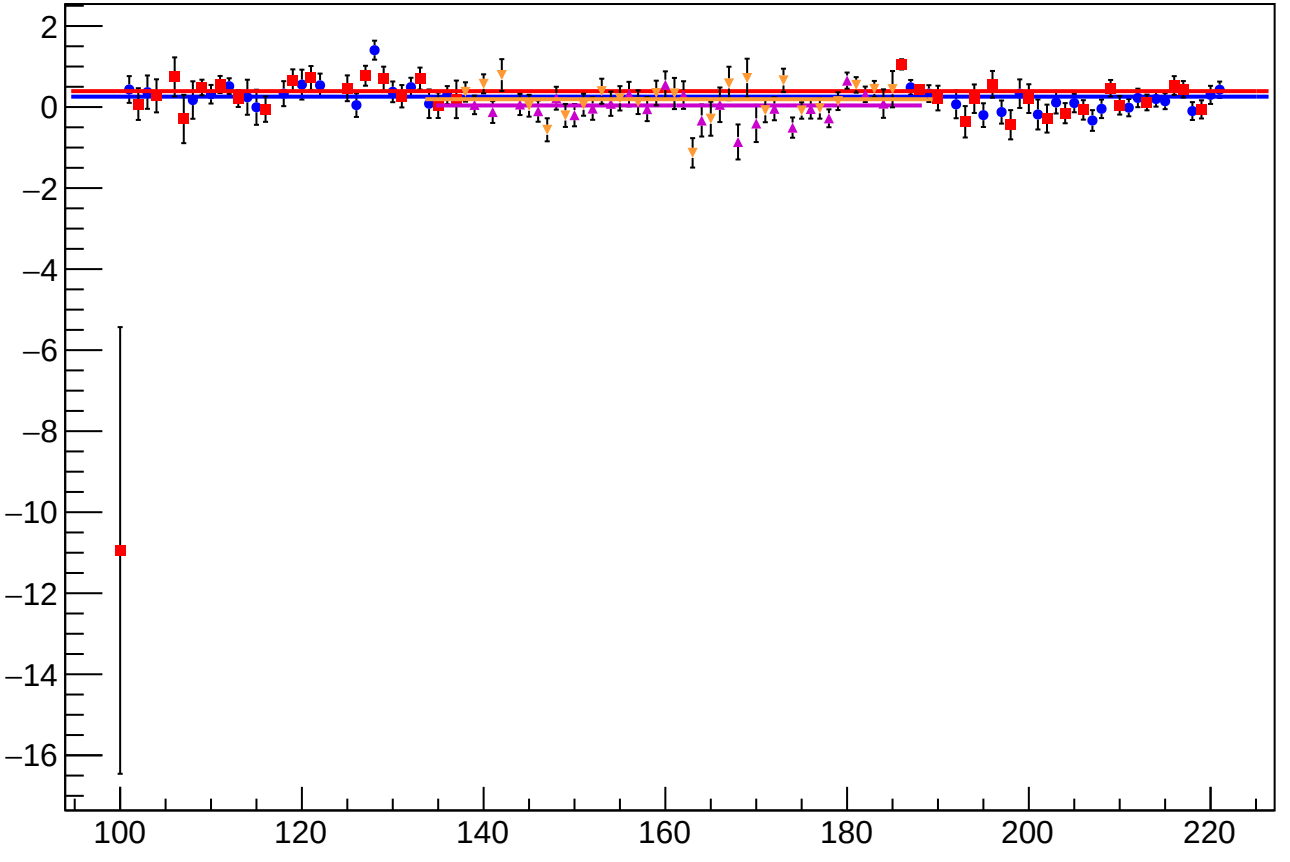
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.436+/-0.007 χ^2/NDF: 71349.0/57

All: -0.493+/-0.005 χ^2/NDF: 179783.2/115

- sign -0.552+/-0.007 χ^2/NDF: 108289.9/57

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.256+/-0.044 χ^2/NDF: 51.1/33

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.392+/-0.041 χ^2/NDF: 78.0/34

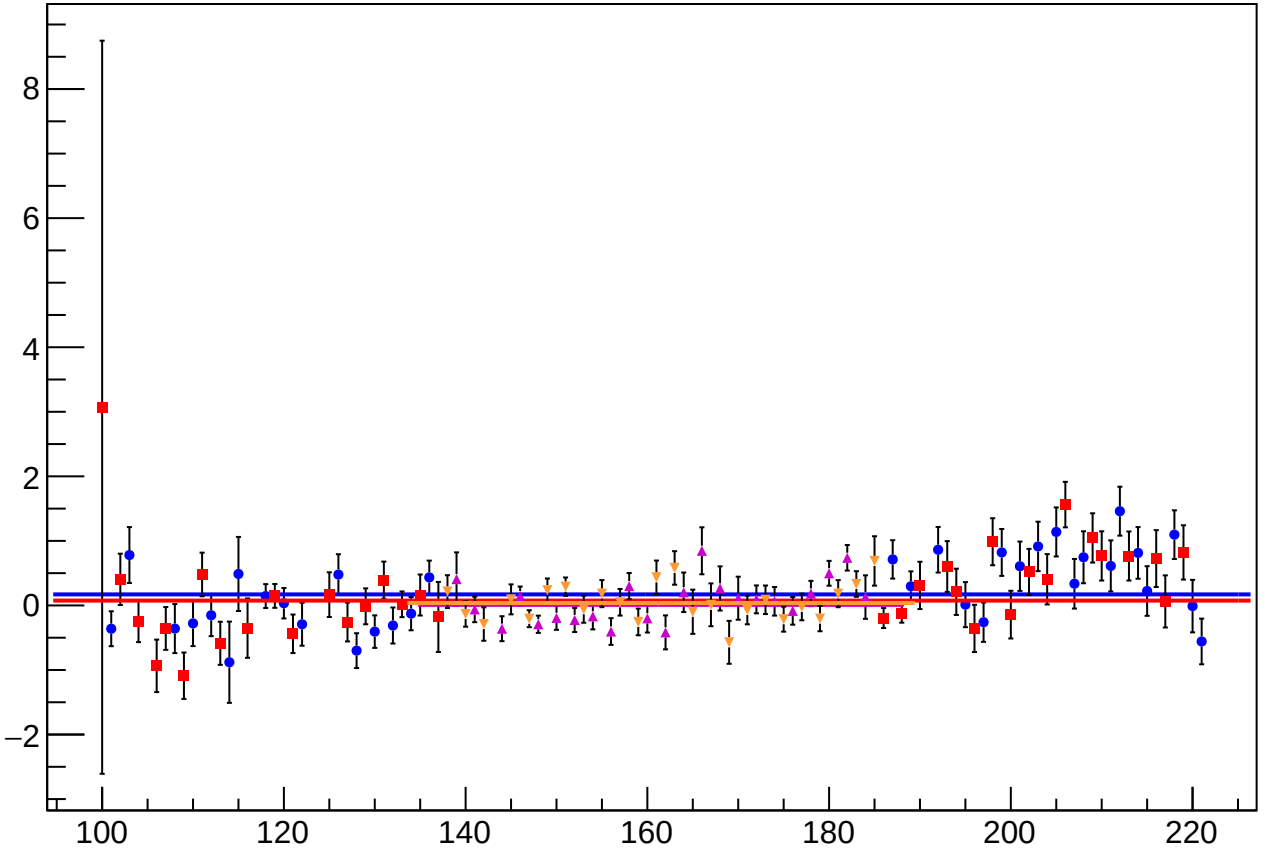
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.233+/-0.035 χ^2/NDF: 96.0/57

All: 0.253+/-0.024 χ^2/NDF: 230.1/115

- sign 0.273+/-0.034 χ^2/NDF: 133.4/57

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.171+/-0.055 χ^2/NDF: 90.3/33

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.075+/-0.052 χ^2/NDF: 86.2/34

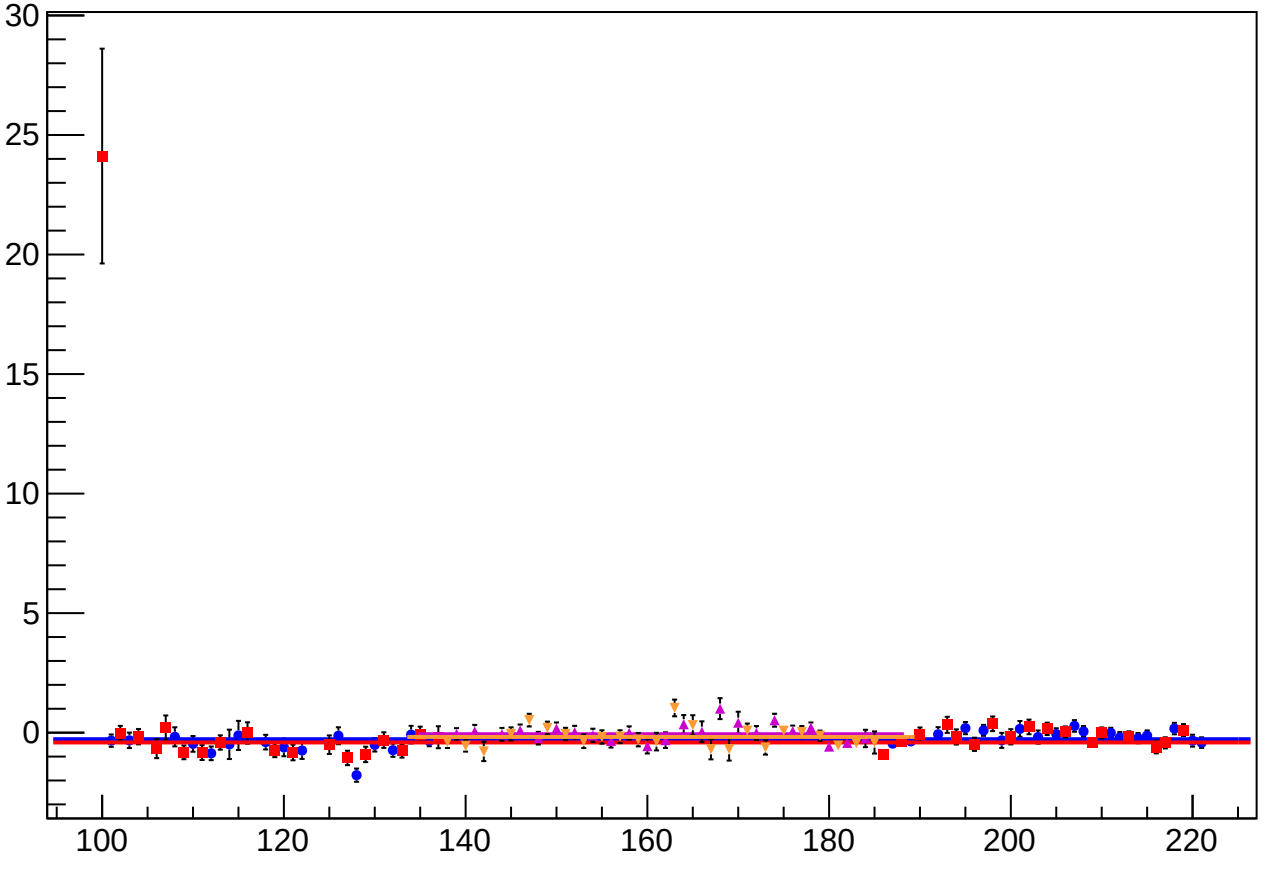
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.089+/-0.034 χ^2/NDF: 126.7/57

All: 0.063+/-0.024 χ^2/NDF: 266.4/115

- sign 0.037+/-0.034 χ^2/NDF: 138.5/57

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.274+/-0.045 χ^2/NDF: 65.3/33

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.409+/-0.040 χ^2/NDF: 110.6/34

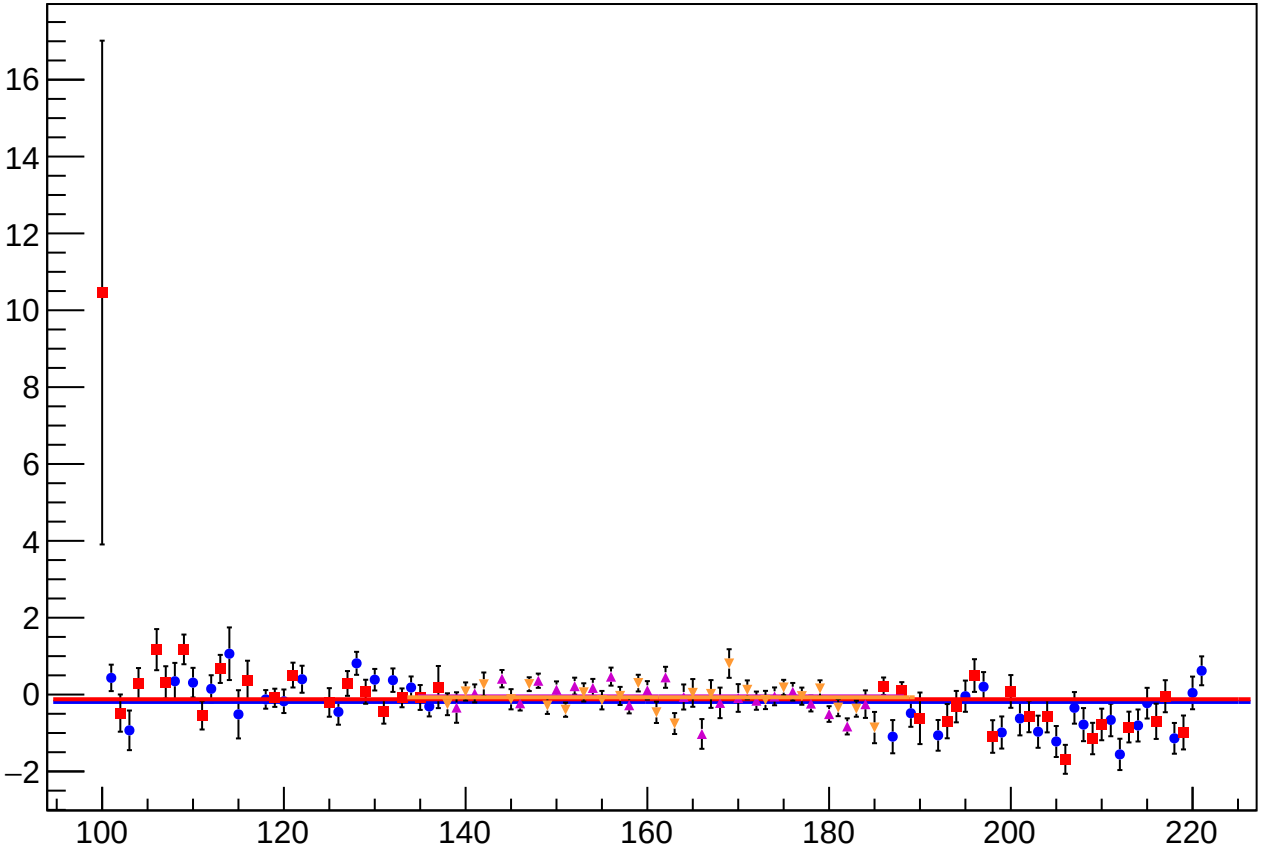
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.237+/-0.035 χ^2/NDF: 109.2/57

All: -0.267+/-0.024 χ^2/NDF: 276.8/115

- sign -0.294+/-0.033 χ^2/NDF: 166.2/57

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.192+/-0.063 χ^2/NDF: 90.0/33

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.122+/-0.062 χ^2/NDF: 86.8/34

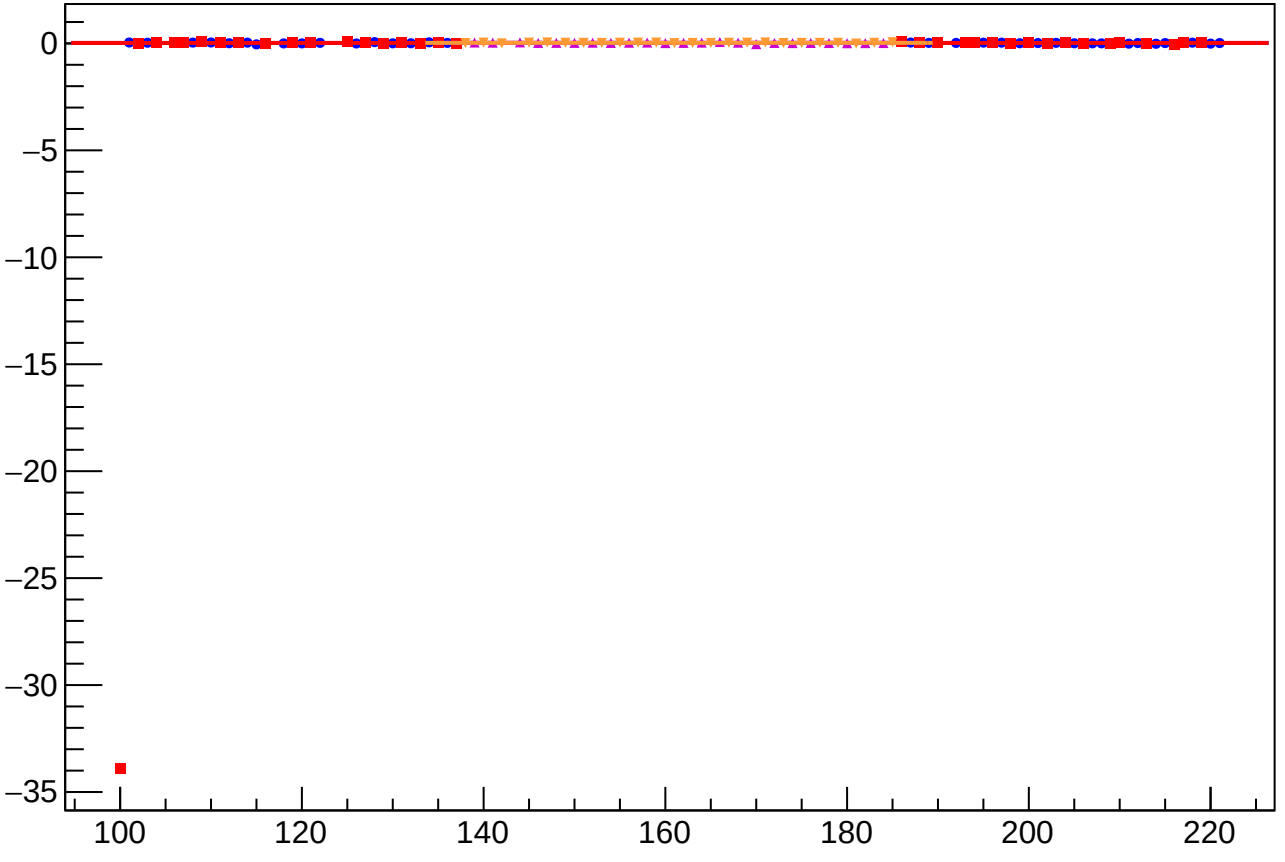
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.117+/-0.039 χ^2/NDF: 130.0/57

All: -0.097+/-0.028 χ^2/NDF: 268.6/115

- sign -0.077+/-0.039 χ^2/NDF: 138.1/57

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.003 χ^2/NDF: 32.0/33

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.021+/-0.003 χ^2/NDF: 22326.5/34

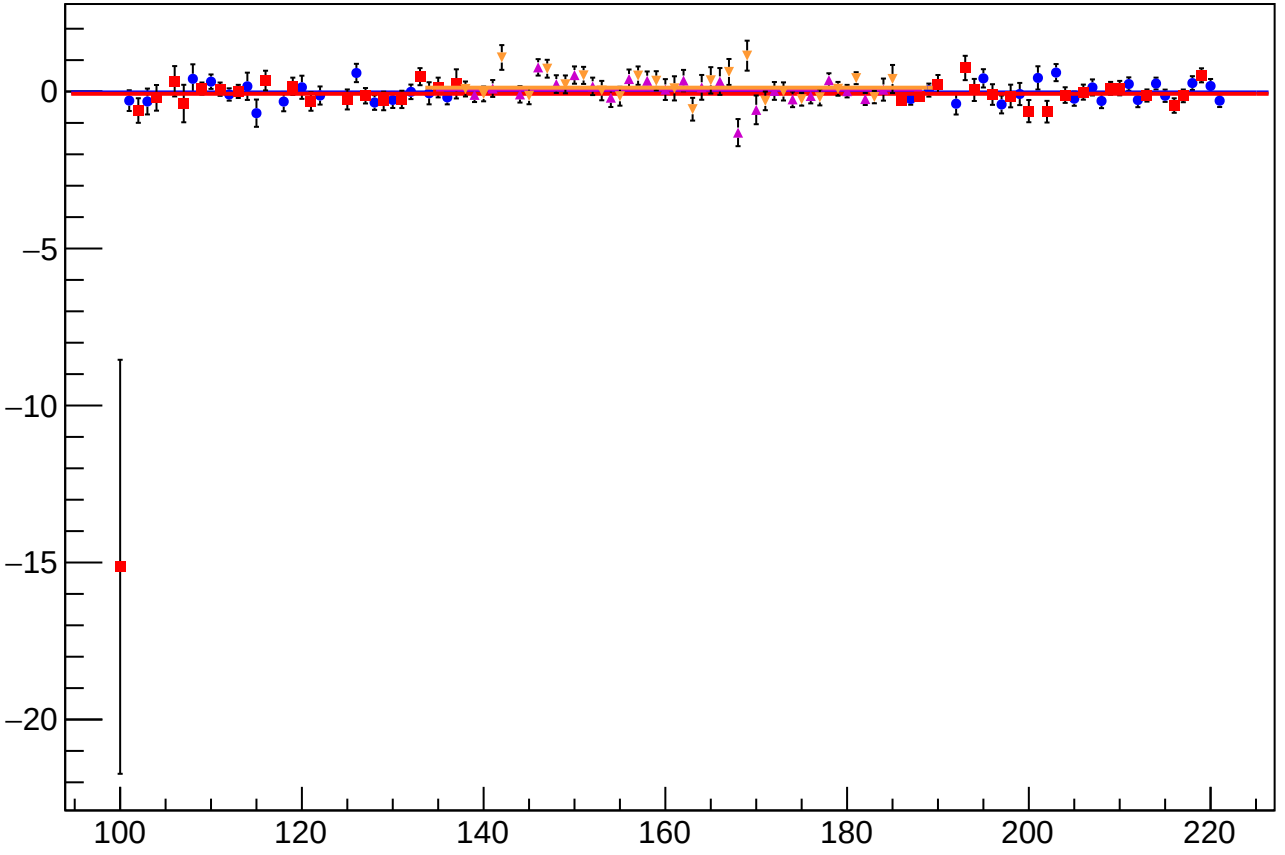
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 65.3/57

All: 0.024+/-0.001 χ^2/NDF: 22433.3/115

- sign 0.024+/-0.002 χ^2/NDF: 22367.9/57

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.029+/-0.044 χ^2/NDF: 41.7/33

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.072+/-0.041 χ^2/NDF: 44.8/34

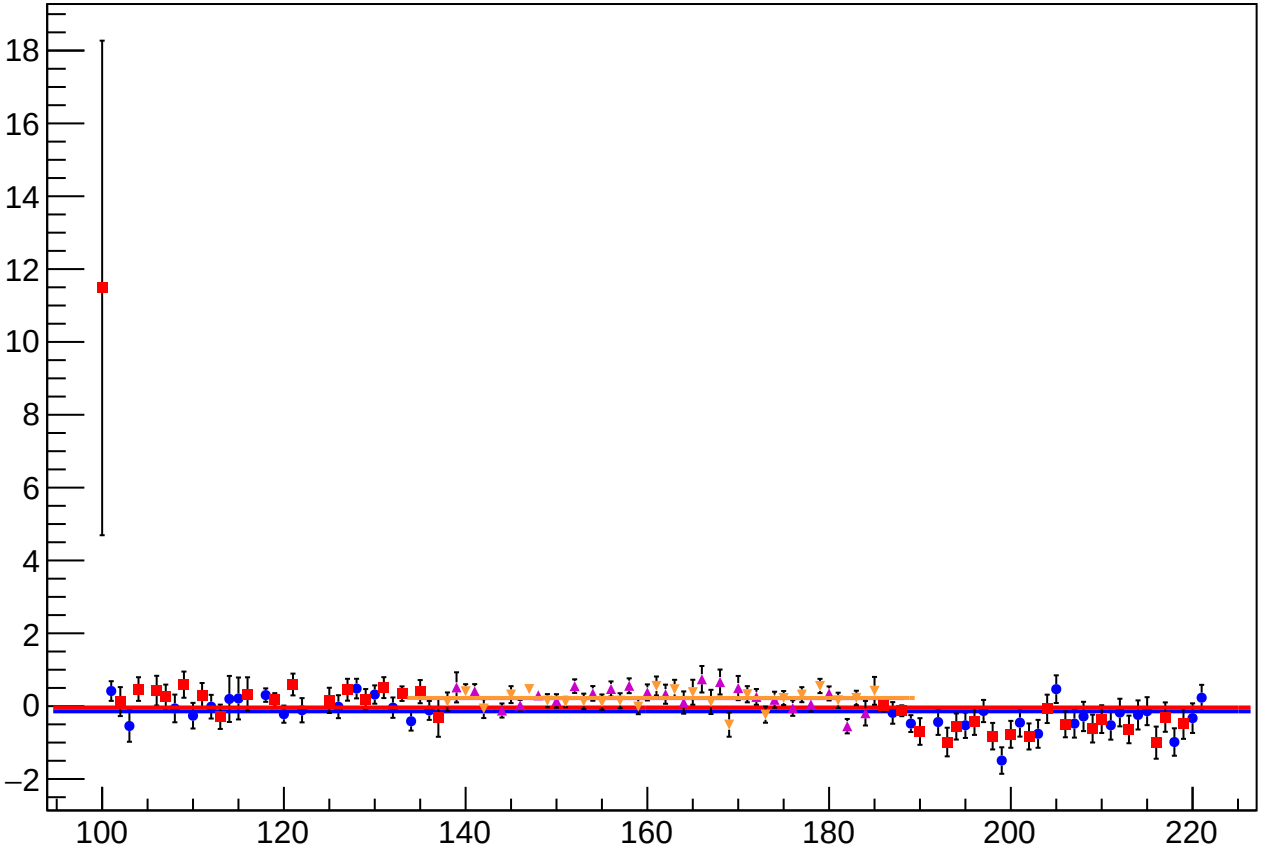
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.027+/-0.035 χ^2/NDF: 85.8/57

All: -0.000+/-0.024 χ^2/NDF: 169.7/115

- sign -0.026+/-0.034 χ^2/NDF: 82.7/57

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.143+/-0.055 χ^2/NDF: 54.1/33

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.037+/-0.052 χ^2/NDF: 71.4/34

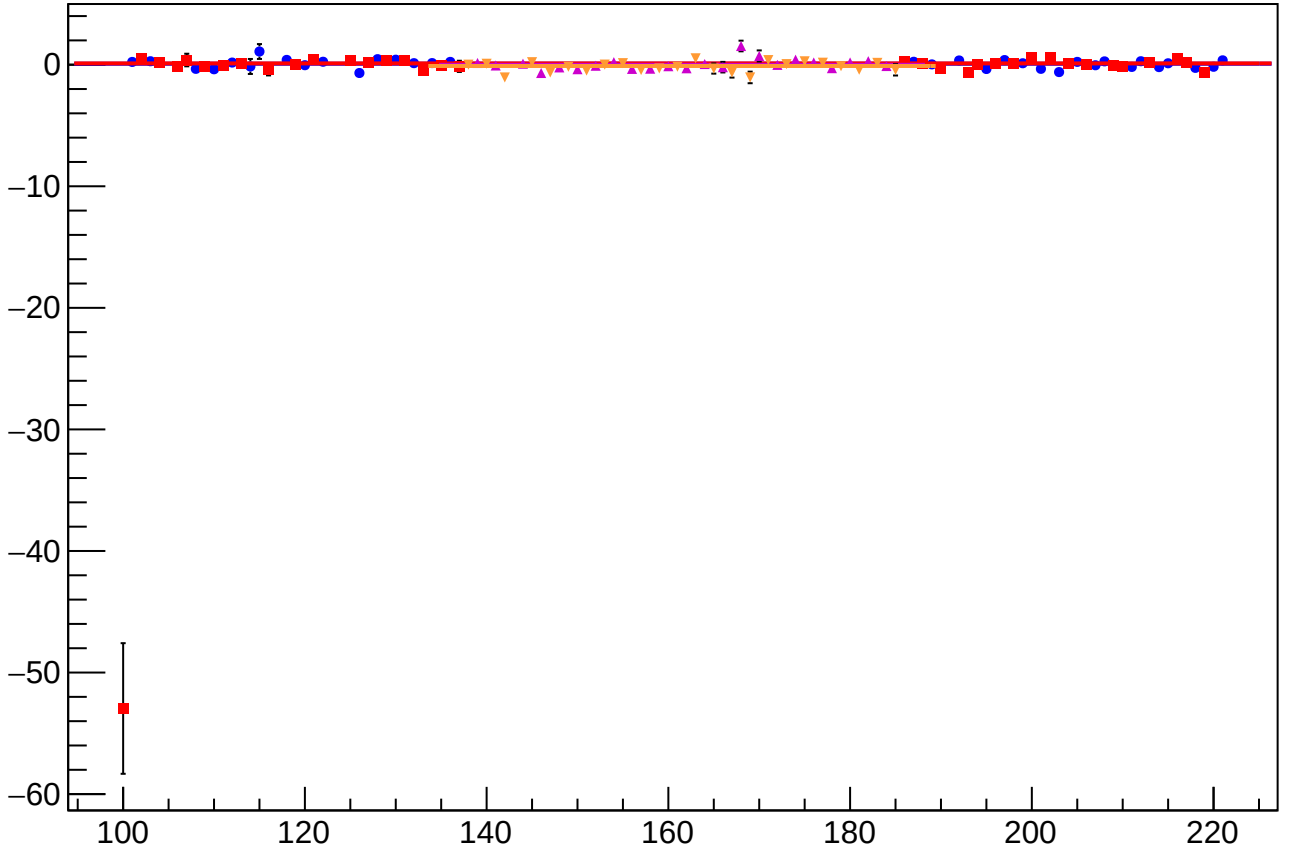
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.084+/-0.034 χ^2/NDF: 105.9/57

All: 0.098+/-0.024 χ^2/NDF: 231.4/115

- sign 0.112+/-0.034 χ^2/NDF: 125.1/57

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.079+/-0.045 χ^2/NDF: 41.0/33

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.107+/-0.040 χ^2/NDF: 135.5/34

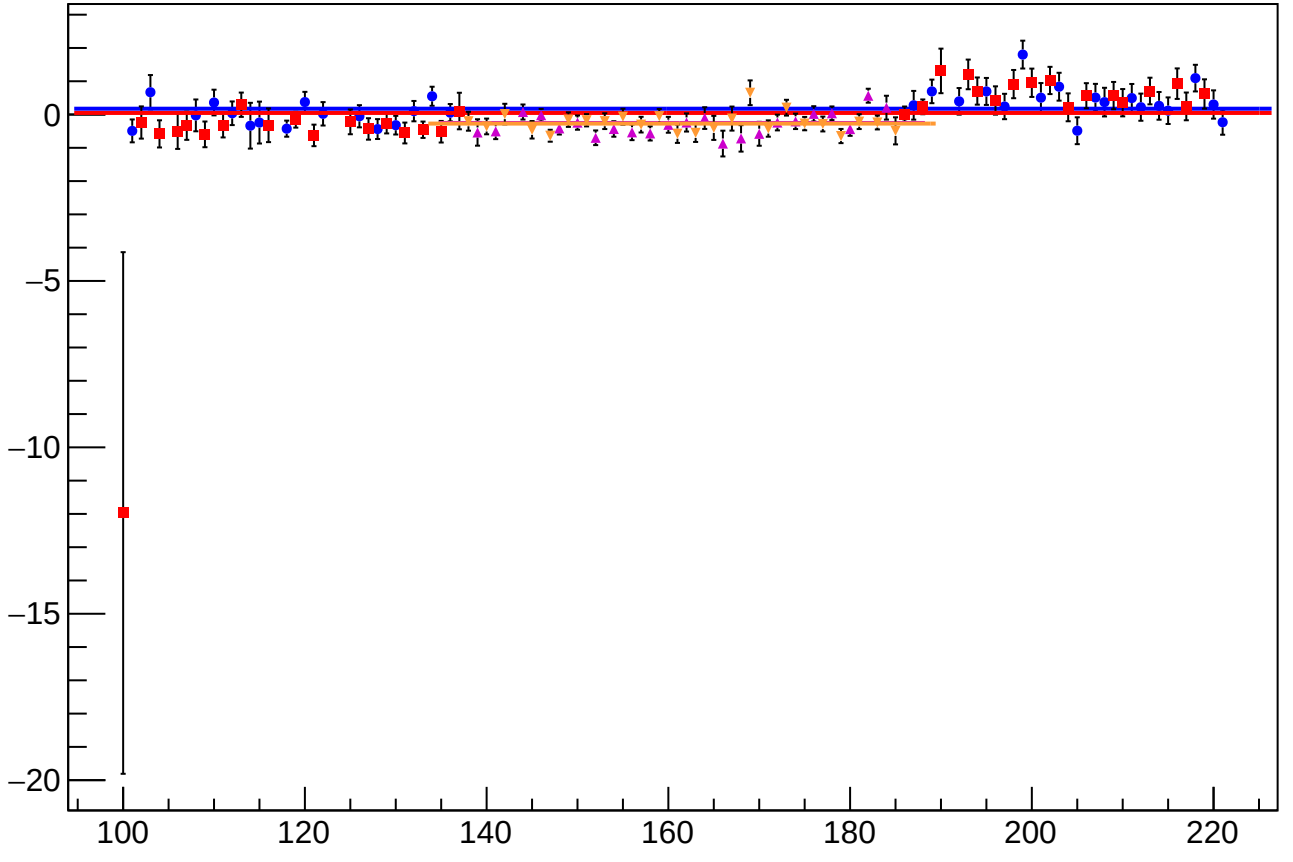
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.008+/-0.035 χ^2/NDF: 85.2/57

All: 0.040+/-0.024 χ^2/NDF: 263.0/115

- sign 0.068+/-0.033 χ^2/NDF: 176.2/57

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.175+/-0.063 χ^2/NDF: 55.8/33

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.048+/-0.062 χ^2/NDF: 72.7/34

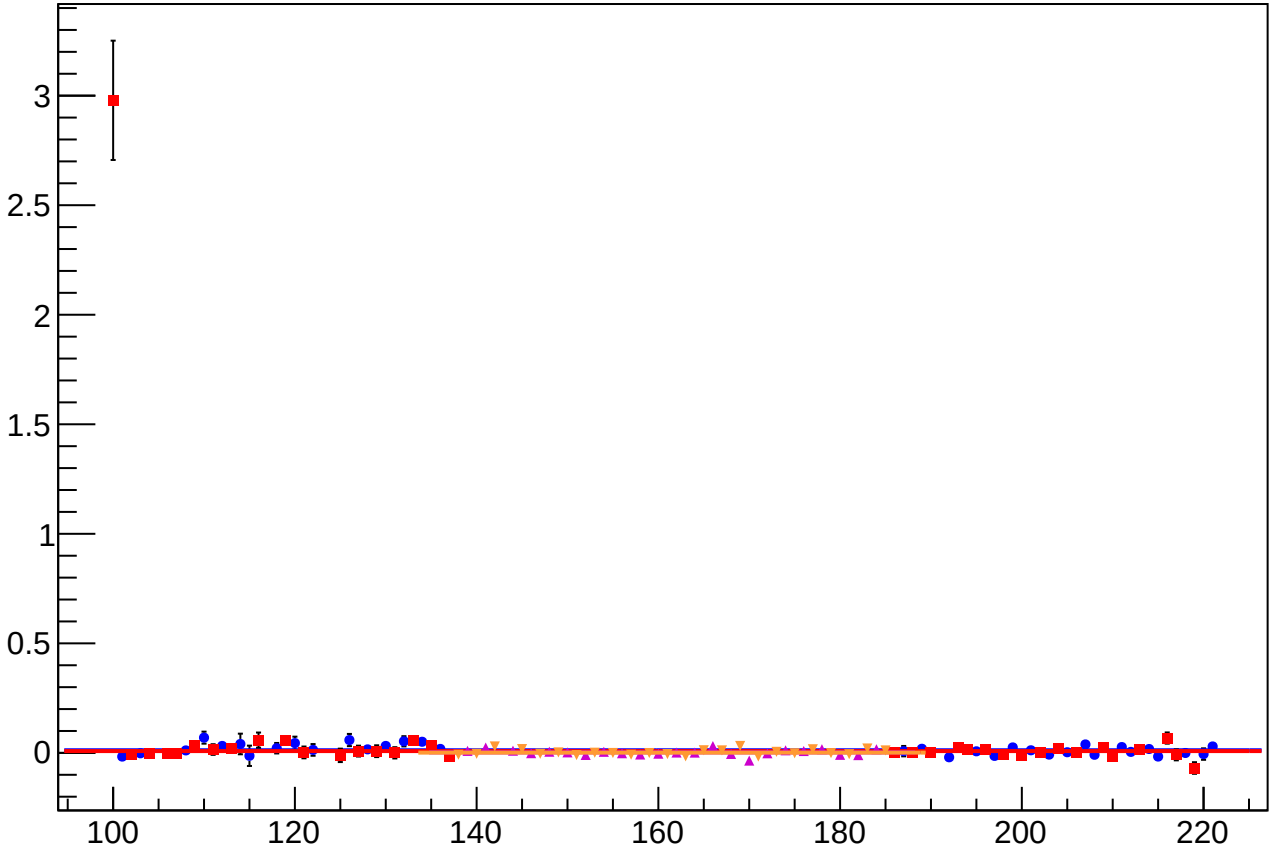
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.102+/-0.039 χ^2/NDF: 111.9/57

All: -0.118+/-0.028 χ^2/NDF: 239.8/115

- sign -0.134+/-0.039 χ^2/NDF: 127.6/57

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 48.3/33

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.008+/-0.003 χ^2/NDF: 166.8/34

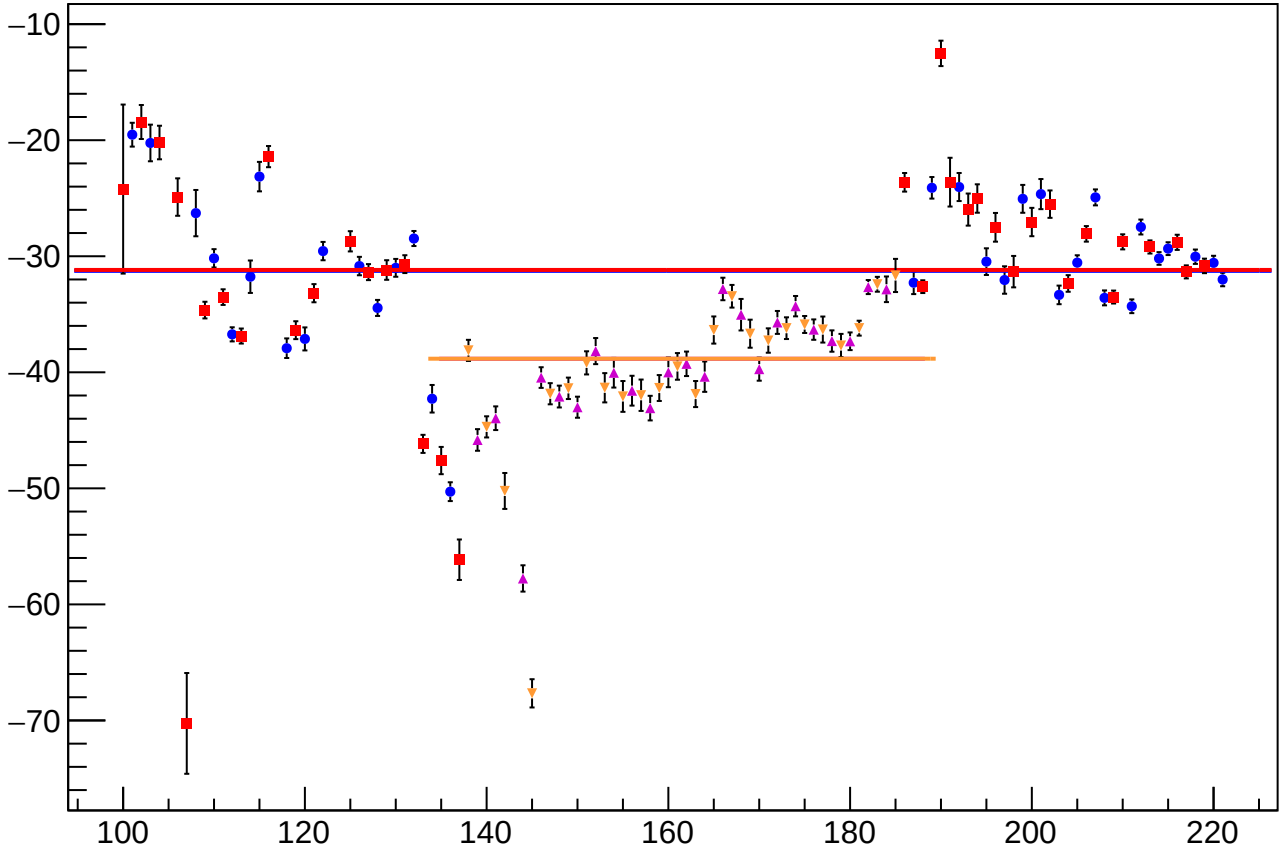
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 83.4/57

All: 0.005+/-0.001 χ^2/NDF: 277.5/115

- sign 0.004+/-0.002 χ^2/NDF: 194.0/57

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.257+/-0.134 χ^2/NDF: 1428.2/33

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.180+/-0.138 χ^2/NDF: 1852.6/35

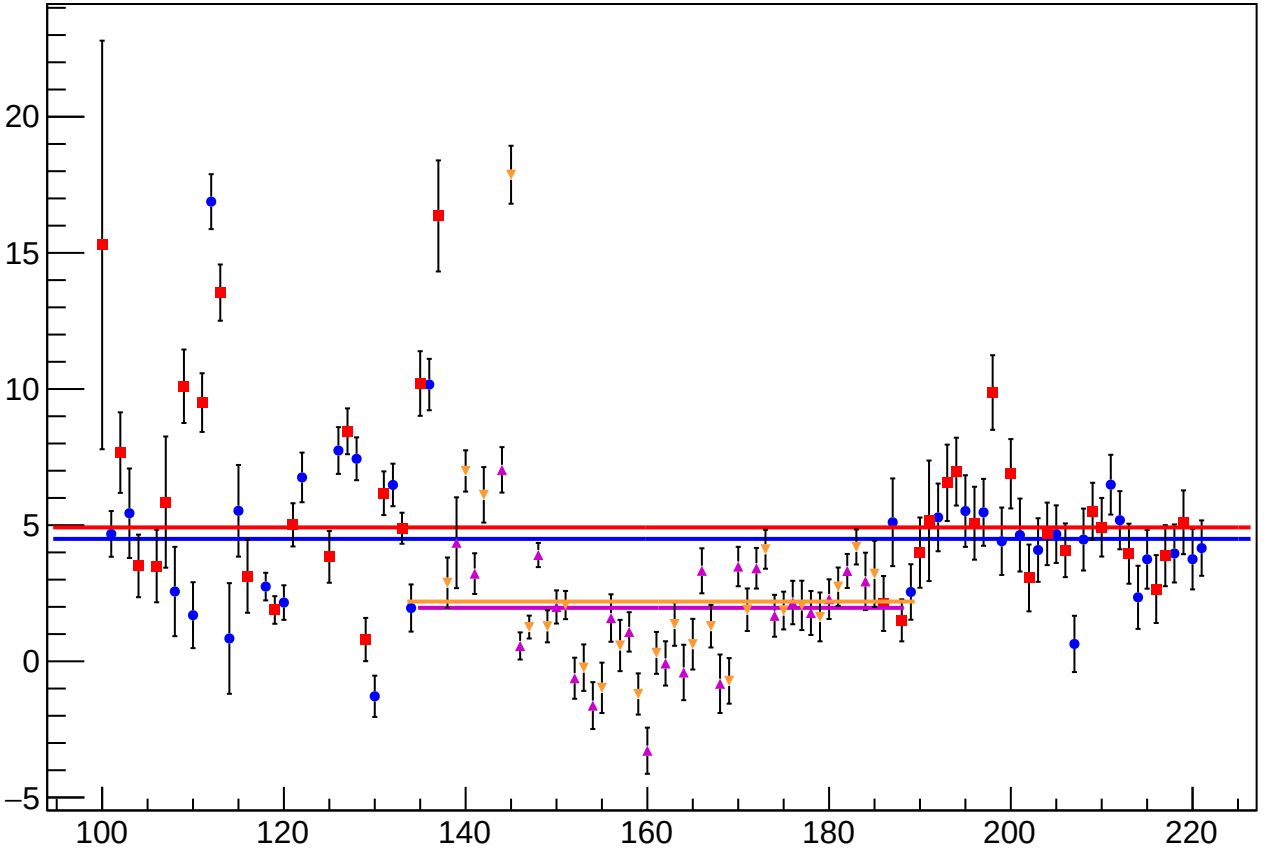
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -33.578+/-0.112 χ^2/NDF: 3319.1/57

All: -33.589+/-0.080 χ^2/NDF: 6794.3/116

- sign -33.600+/-0.114 χ^2/NDF: 3475.2/58

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.496+/-0.170 χ^2/NDF: 358.8/33

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.918+/-0.173 χ^2/NDF: 303.5/35

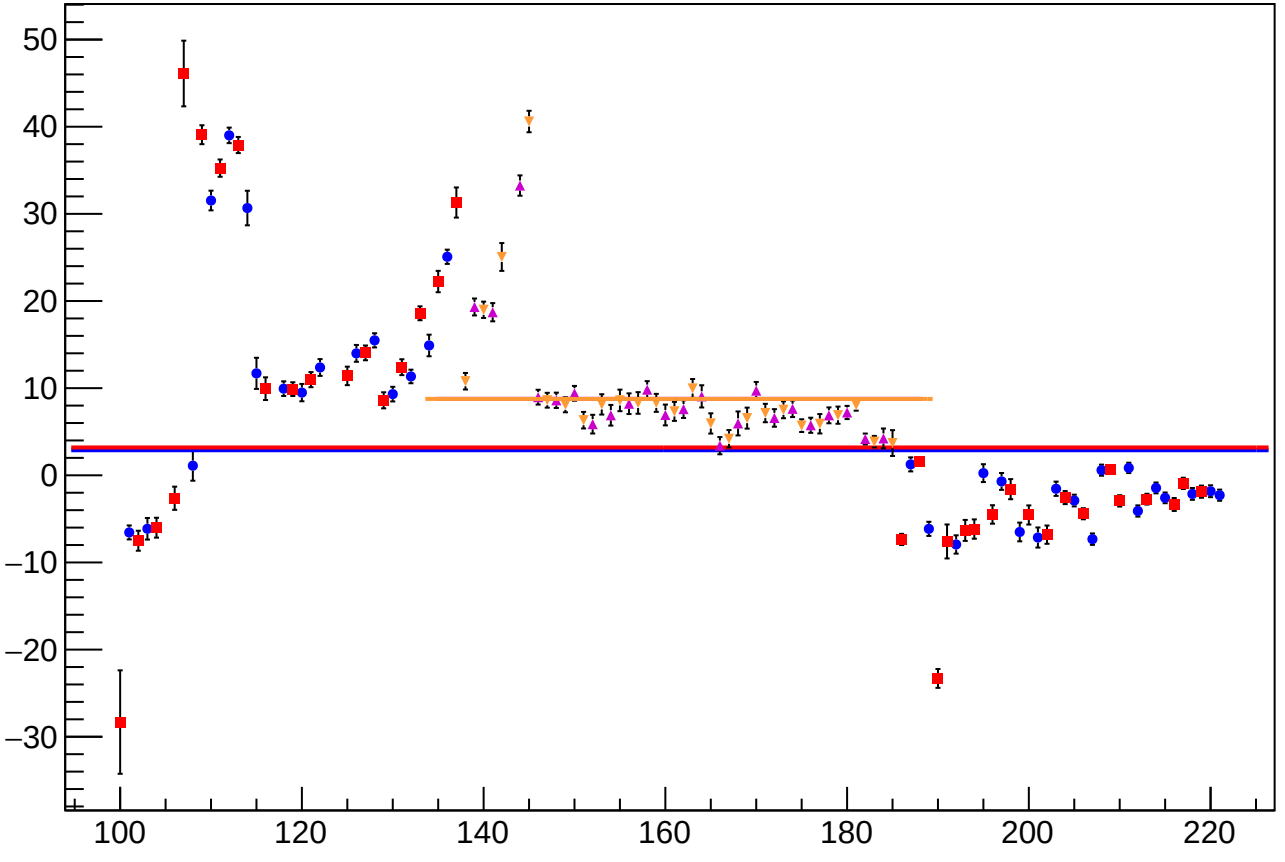
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.218+/-0.113 χ^2/NDF: 825.5/57

All: 3.249+/-0.081 χ^2/NDF: 1464.9/116

- sign 3.281+/-0.115 χ^2/NDF: 639.2/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 2.876+/-0.142 χ^2/NDF: 5474.5/33

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.195+/-0.144 χ^2/NDF: 7118.7/35

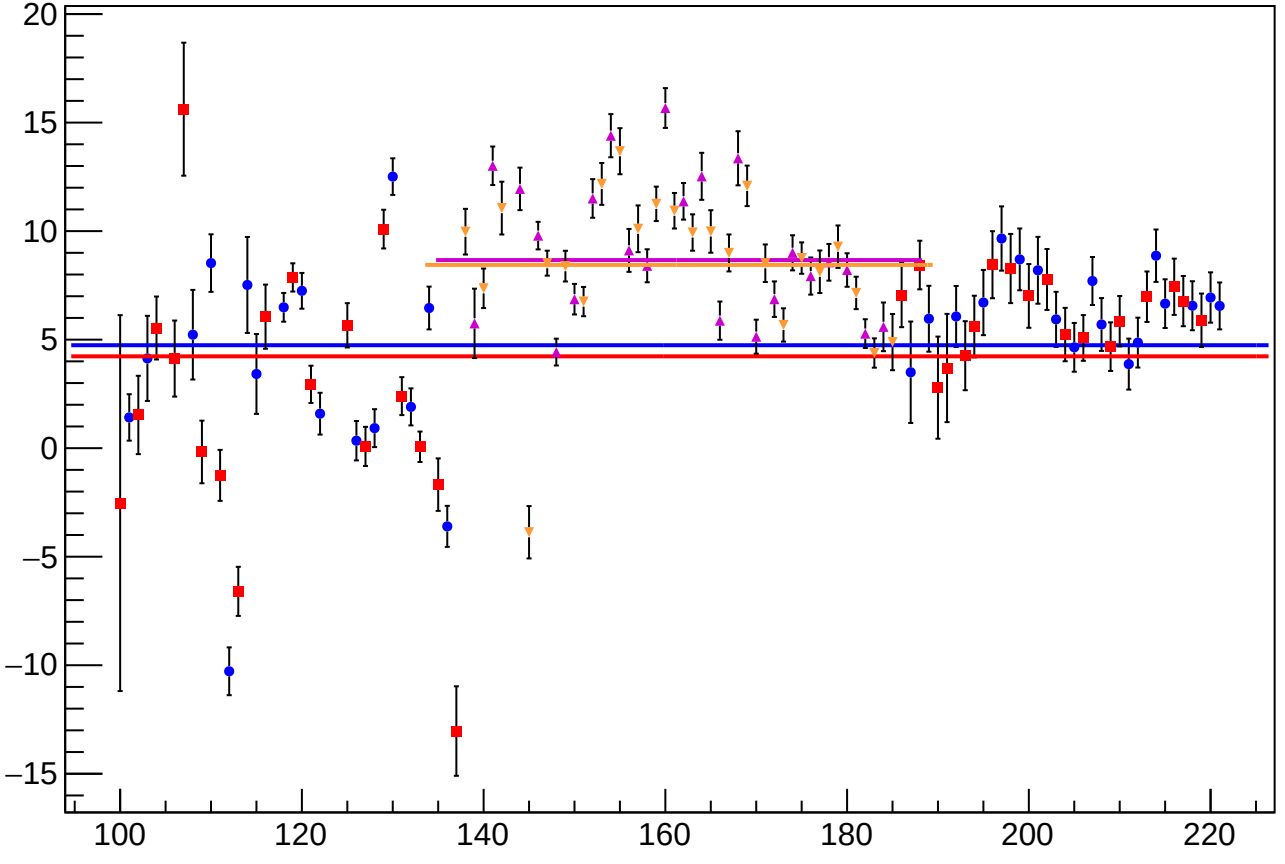
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 4.839+/-0.116 χ^2/NDF: 7085.4/57

All: 4.961+/-0.082 χ^2/NDF: 15508.1/116

- sign 5.086+/-0.117 χ^2/NDF: 8420.5/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.743+/-0.193 χ^2/NDF: 512.6/33

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.231+/-0.199 χ^2/NDF: 440.2/35

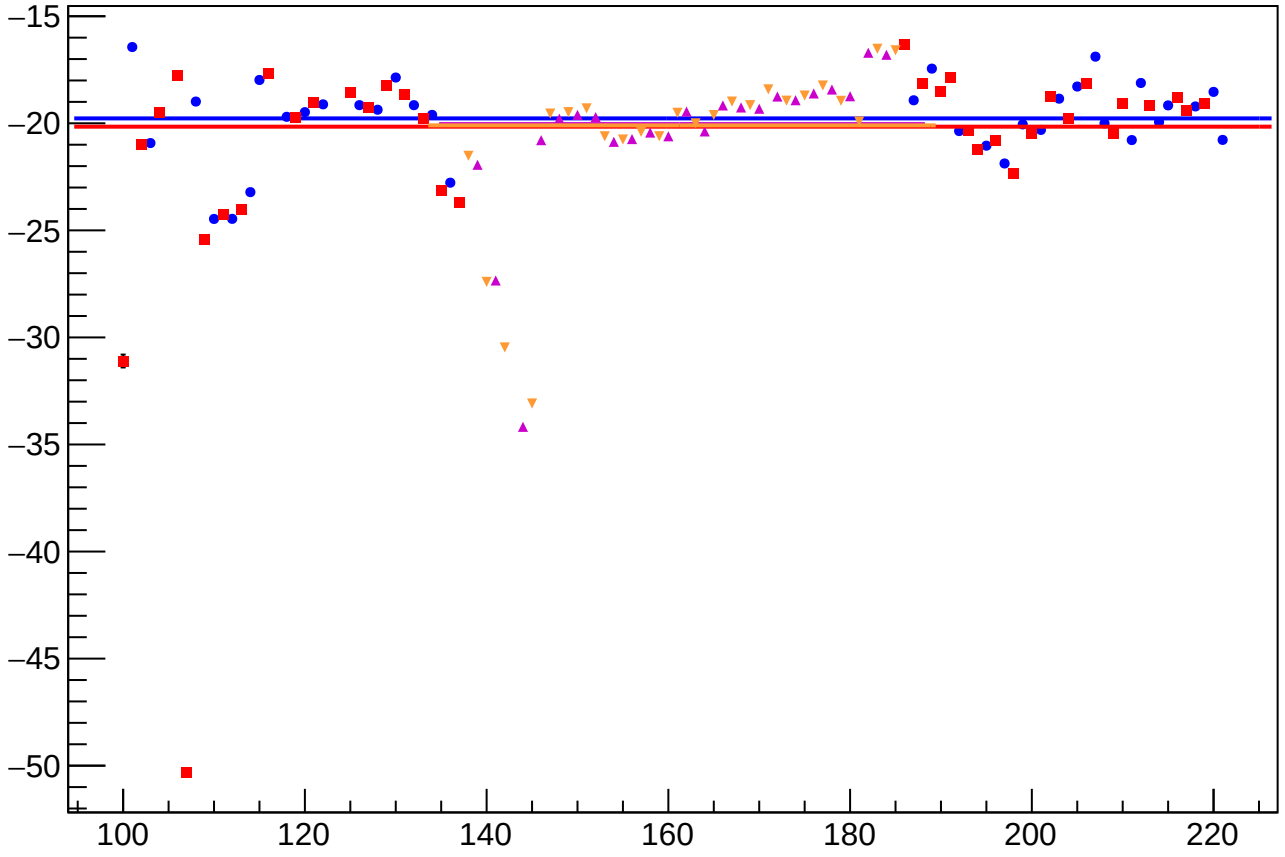
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.792+/-0.129 χ^2/NDF: 979.4/57

All: 6.759+/-0.092 χ^2/NDF: 2003.7/116

\- sign 6.725+/-0.132 χ^2/NDF: 1024.1/58

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.771+/-0.010 χ^2/NDF: 33119.3/33

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.157+/-0.010 χ^2/NDF: 73099.3/35

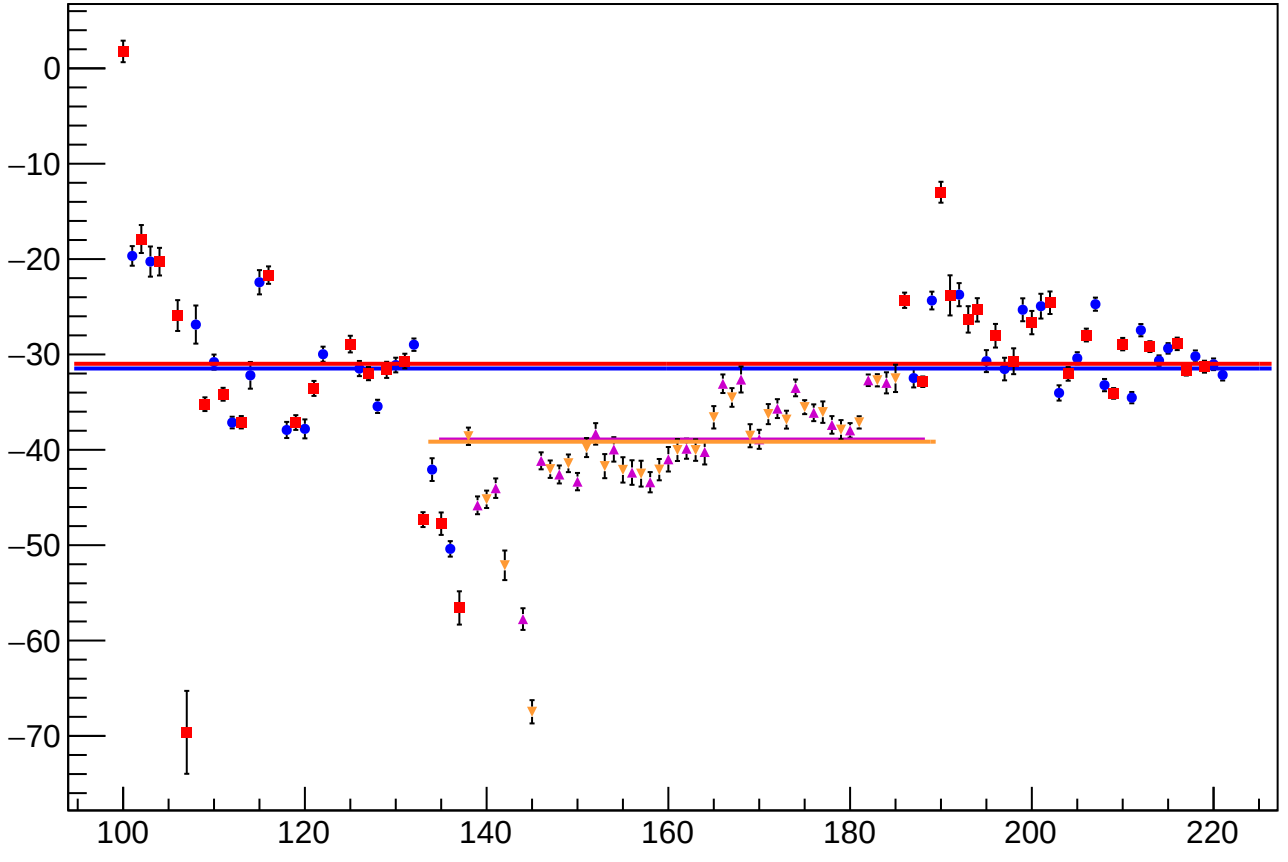
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -19.967+/-0.006 χ^2/NDF: 193078.5/57

All: -20.025+/-0.004 χ^2/NDF: 398738.5/116

- sign -20.084+/-0.006 χ^2/NDF: 205480.7/58

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.475+/-0.135 χ^2/NDF: 1454.1/33

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.979+/-0.137 χ^2/NDF: 2782.2/35

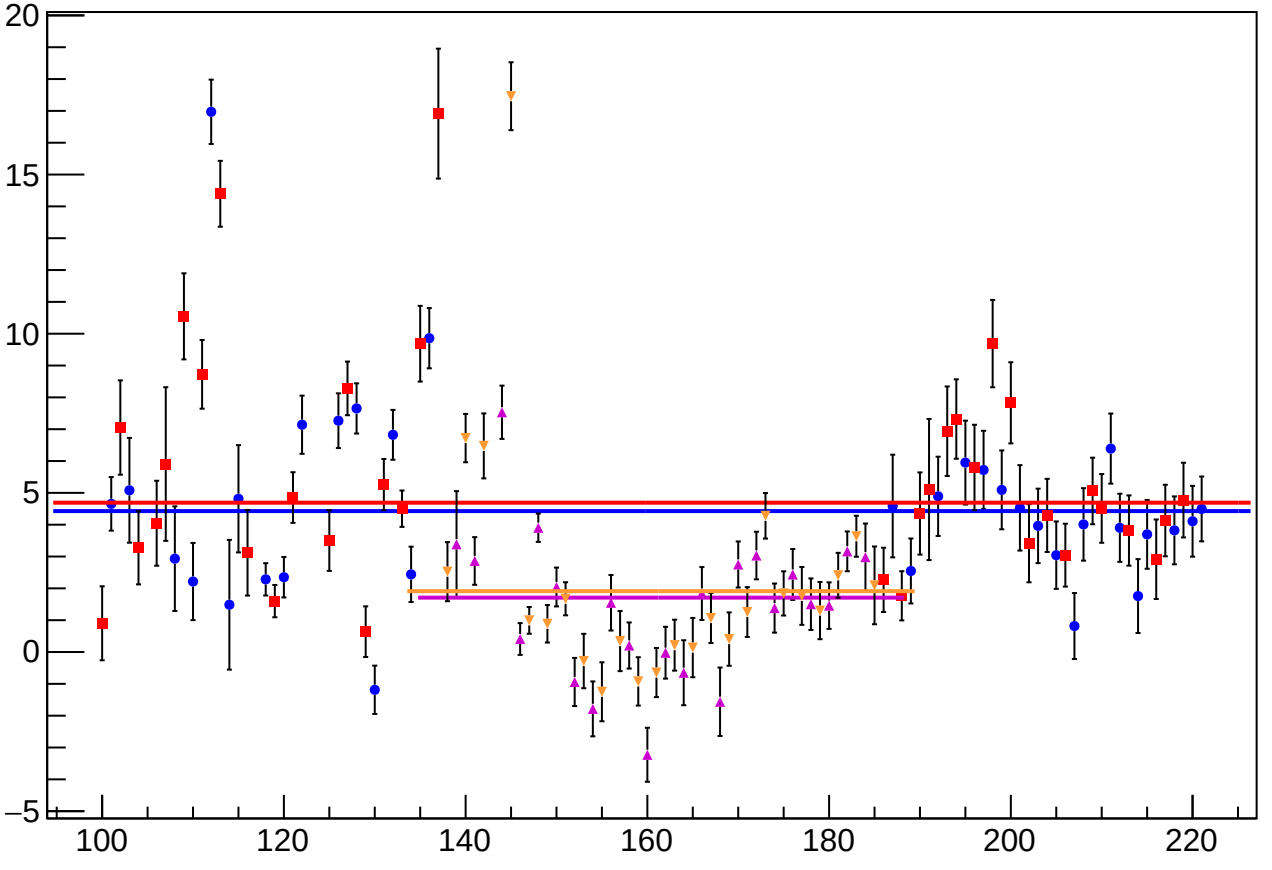
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

\+ sign -33.826+/-0.112 χ^2/NDF: 3349.2/57

All: -33.648+/-0.080 χ^2/NDF: 7864.7/116

\- sign -33.464+/-0.114 χ^2/NDF: 4510.4/58

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.427+/-0.170 χ^2/NDF: 357.9/33

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.692+/-0.171 χ^2/NDF: 328.2/35

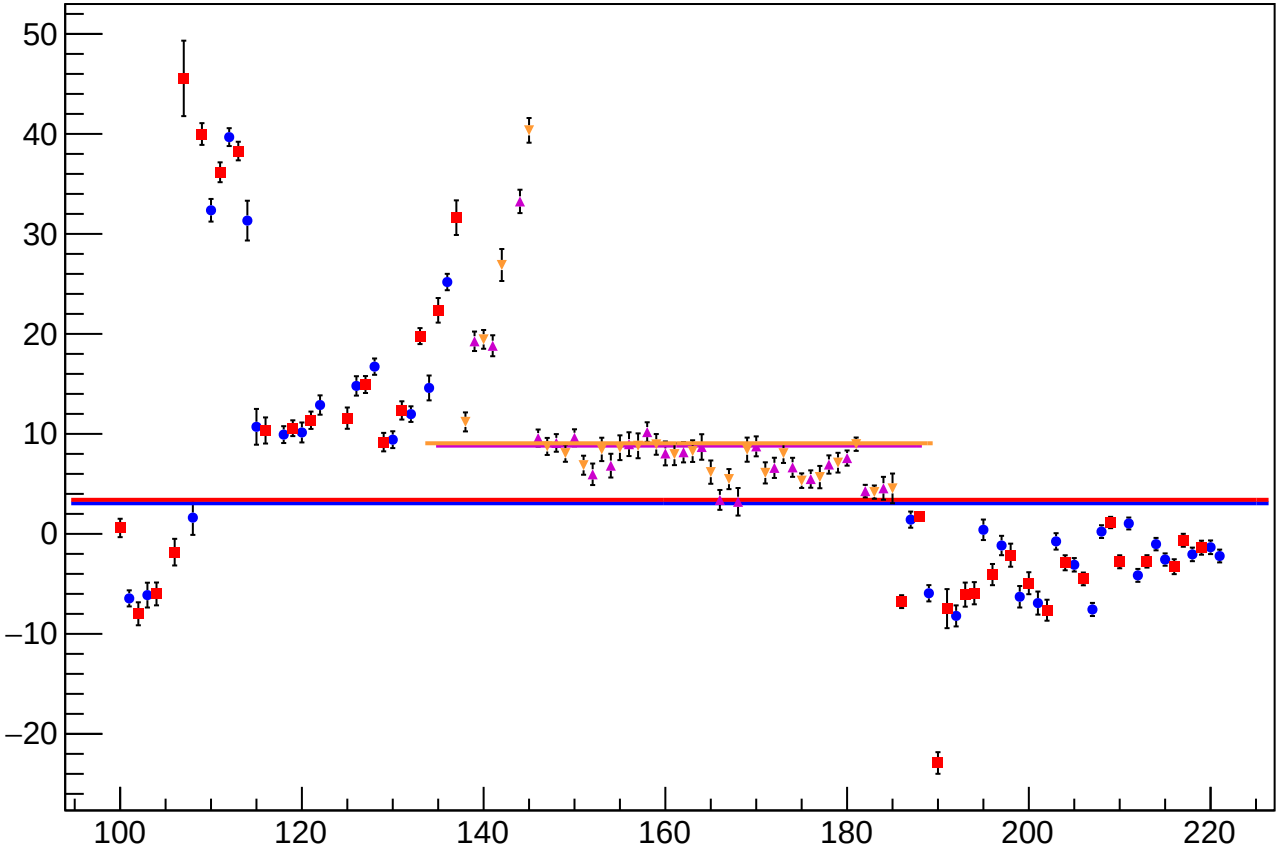
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 3.029+/-0.114 χ^2/NDF: 838.3/57

All: 3.042+/-0.081 χ^2/NDF: 1516.1/116

- sign 3.054+/-0.115 χ^2/NDF: 677.8/58

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 3.060+/-0.142 χ^2/NDF: 5645.9/33

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.408+/-0.143 χ^2/NDF: 7294.6/35

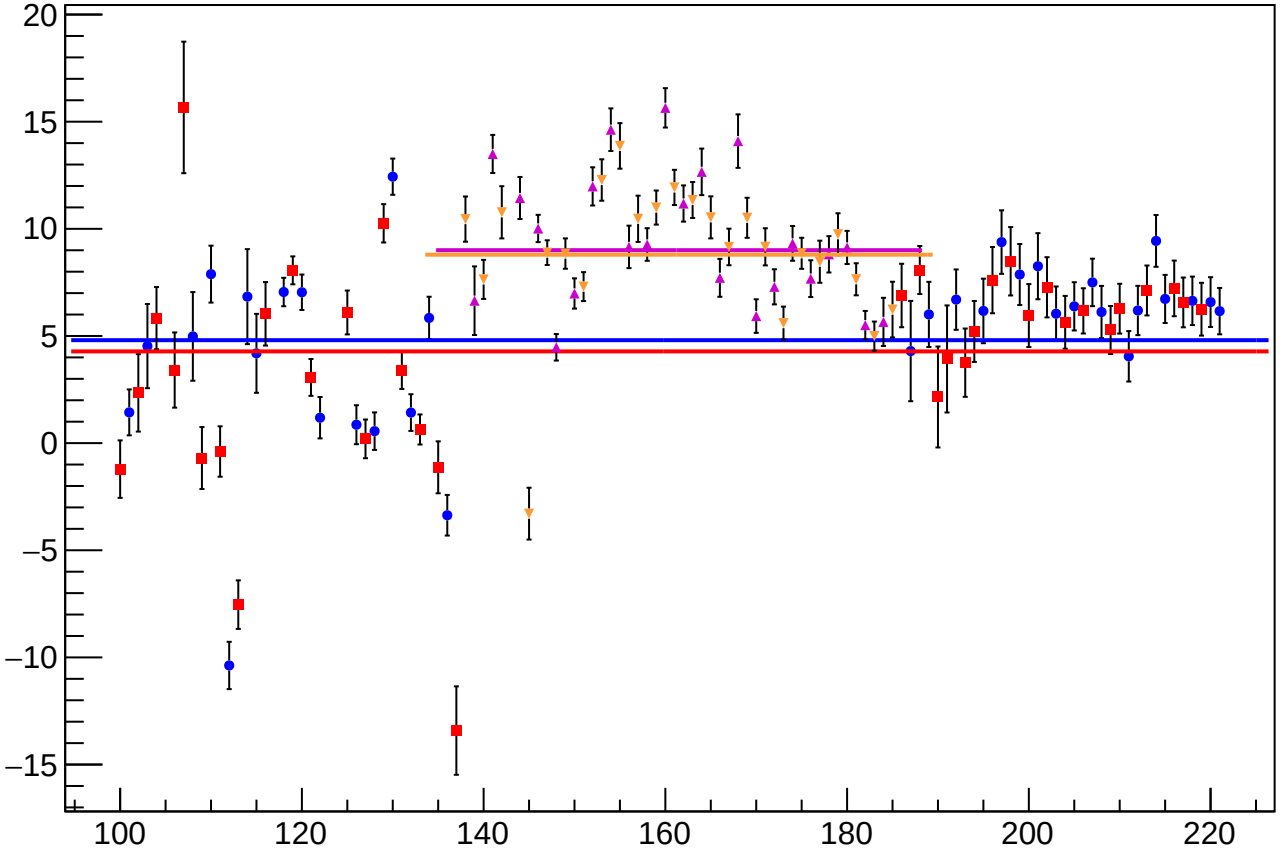
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

\+ sign 5.060+/-0.116 χ^2/NDF: 7274.5/57

All: 5.137+/-0.082 χ^2/NDF: 15851.7/116

\- sign 5.215+/-0.117 χ^2/NDF: 8576.2/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.804+/-0.194 χ^2/NDF: 511.6/33

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.280+/-0.197 χ^2/NDF: 455.2/35

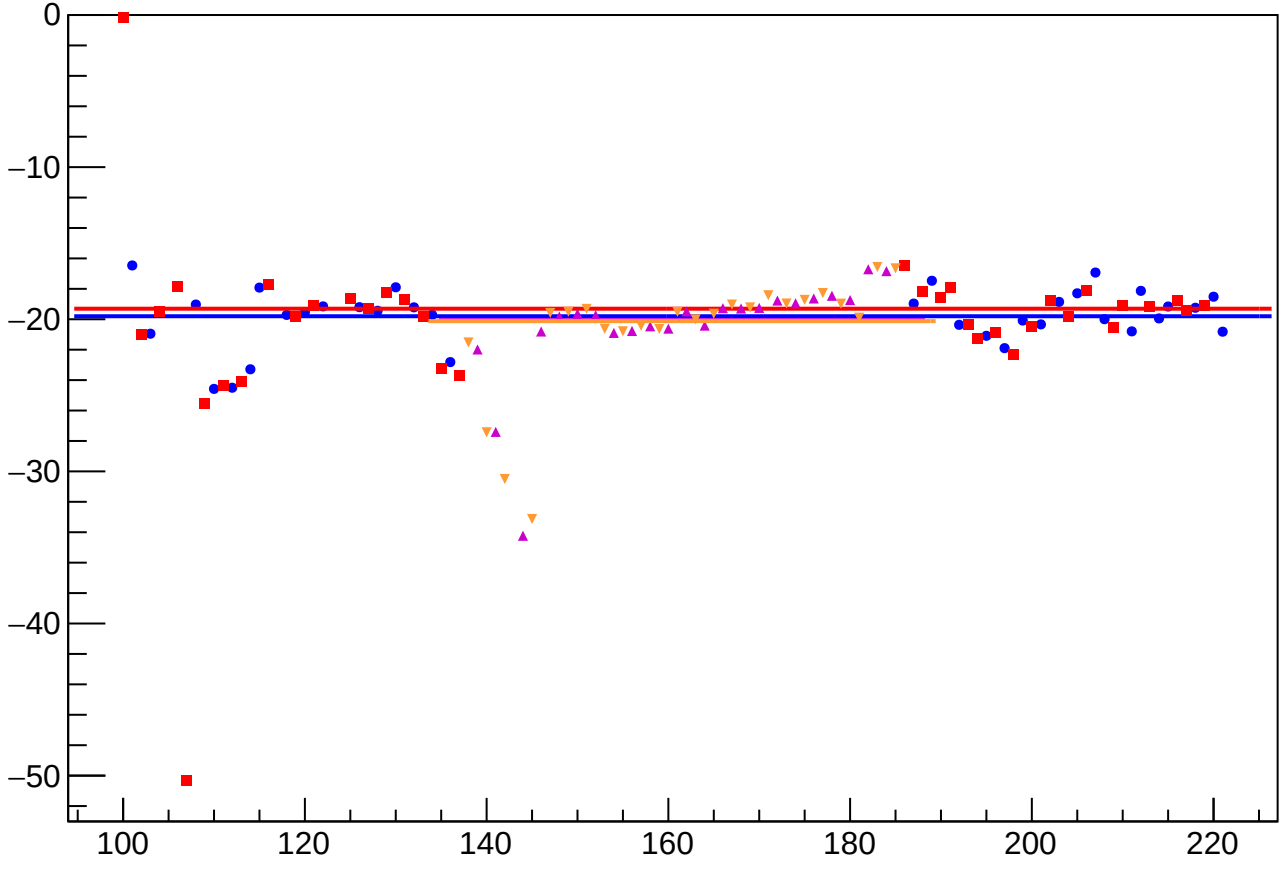
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

\+ sign 7.014+/-0.129 χ^2/NDF: 990.5/57

All: 6.963+/-0.092 χ^2/NDF: 2054.7/116

\- sign 6.912+/-0.131 χ^2/NDF: 1063.9/58

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.802+/-0.010 χ^2/NDF: 33170.6/33

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.306+/-0.010 χ^2/NDF: 248164.3/35

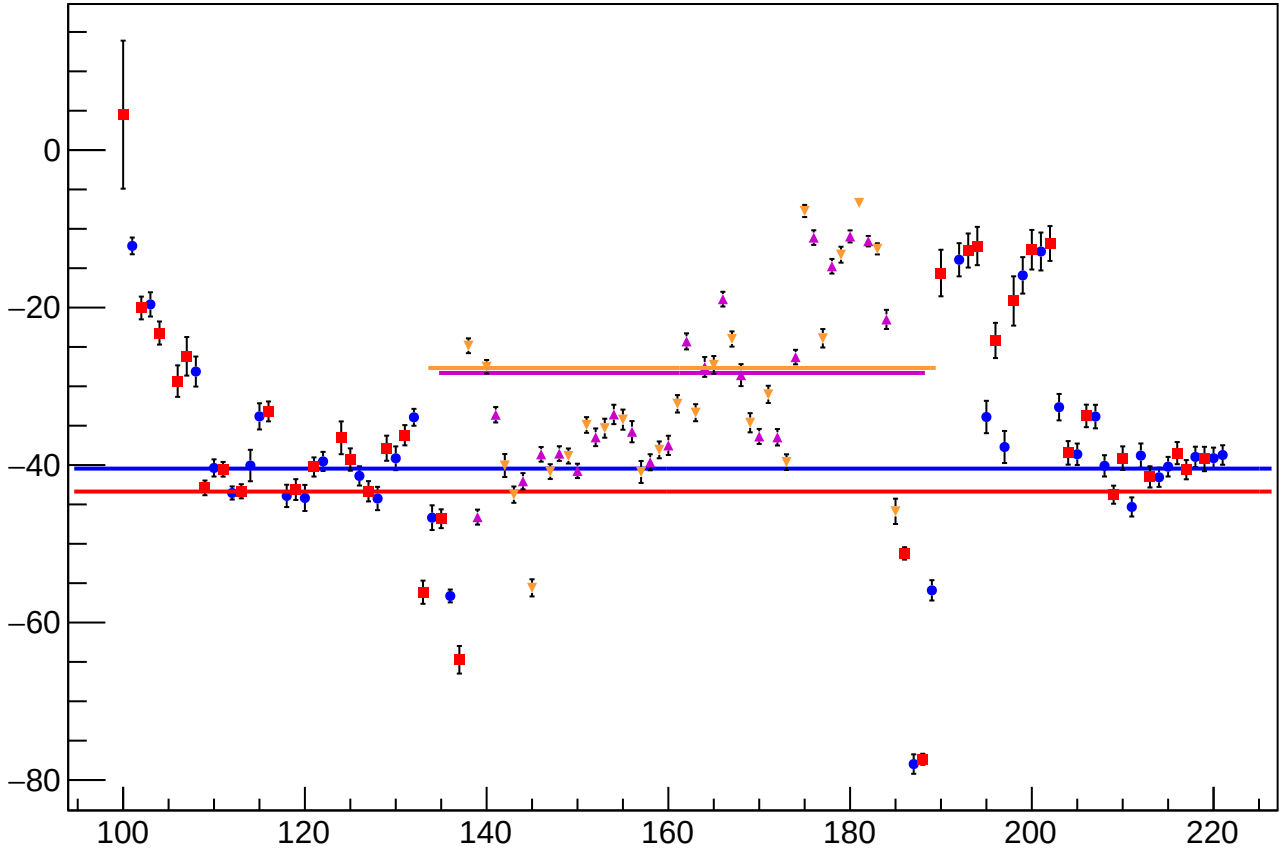
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -19.996+/-0.006 χ^2/NDF: 192400.7/57

All: -19.878+/-0.004 χ^2/NDF: 577632.7/116

- sign -19.761+/-0.006 χ^2/NDF: 384506.1/58

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.451+/-0.231 χ^2/NDF: 2972.5/33

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.366+/-0.225 χ^2/NDF: 4464.5/35

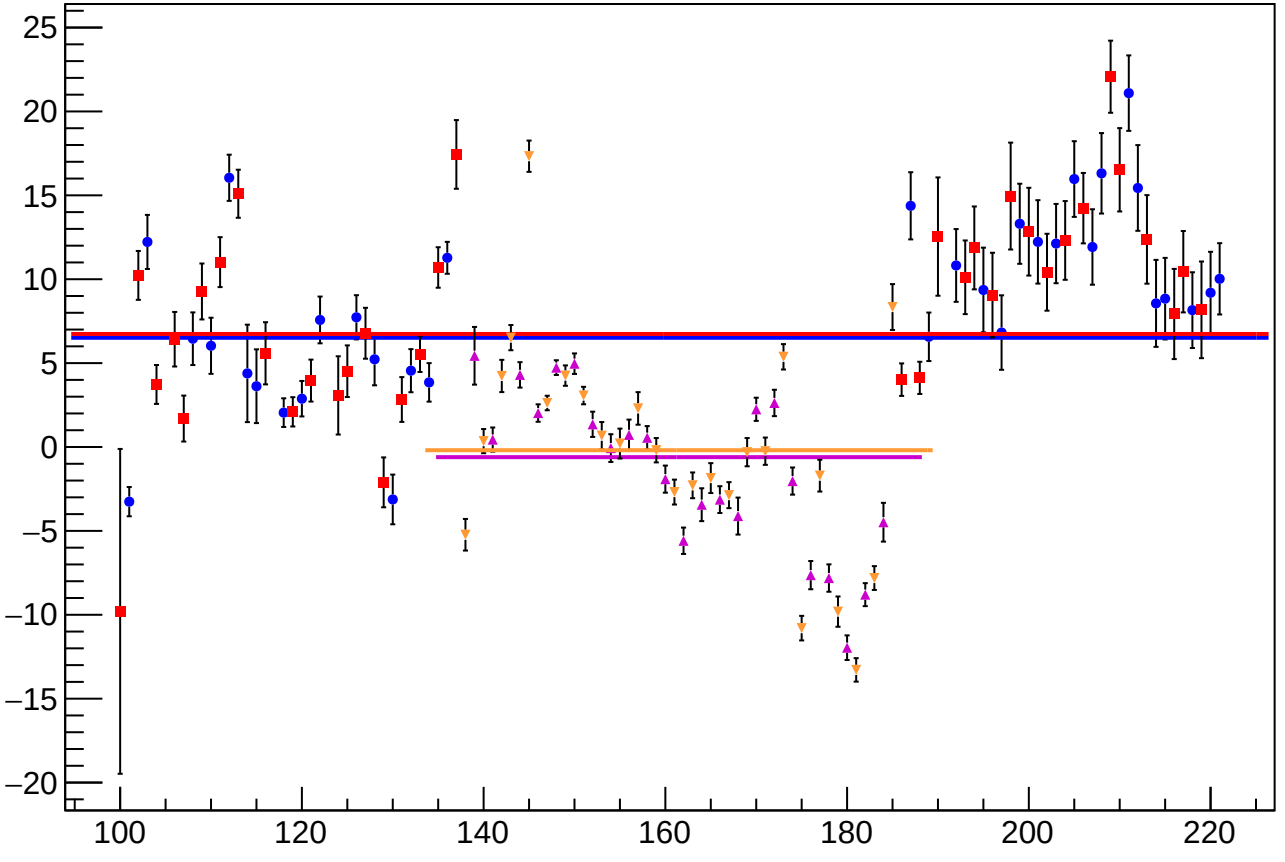
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -33.168+/-0.151 χ^2/NDF: 9119.0/58

All: -34.161+/-0.107 χ^2/NDF: 19383.4/117

- sign -35.161+/-0.152 χ^2/NDF: 10178.0/58

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.511+/-0.271 χ^2/NDF: 445.1/33

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.738+/-0.266 χ^2/NDF: 327.5/35

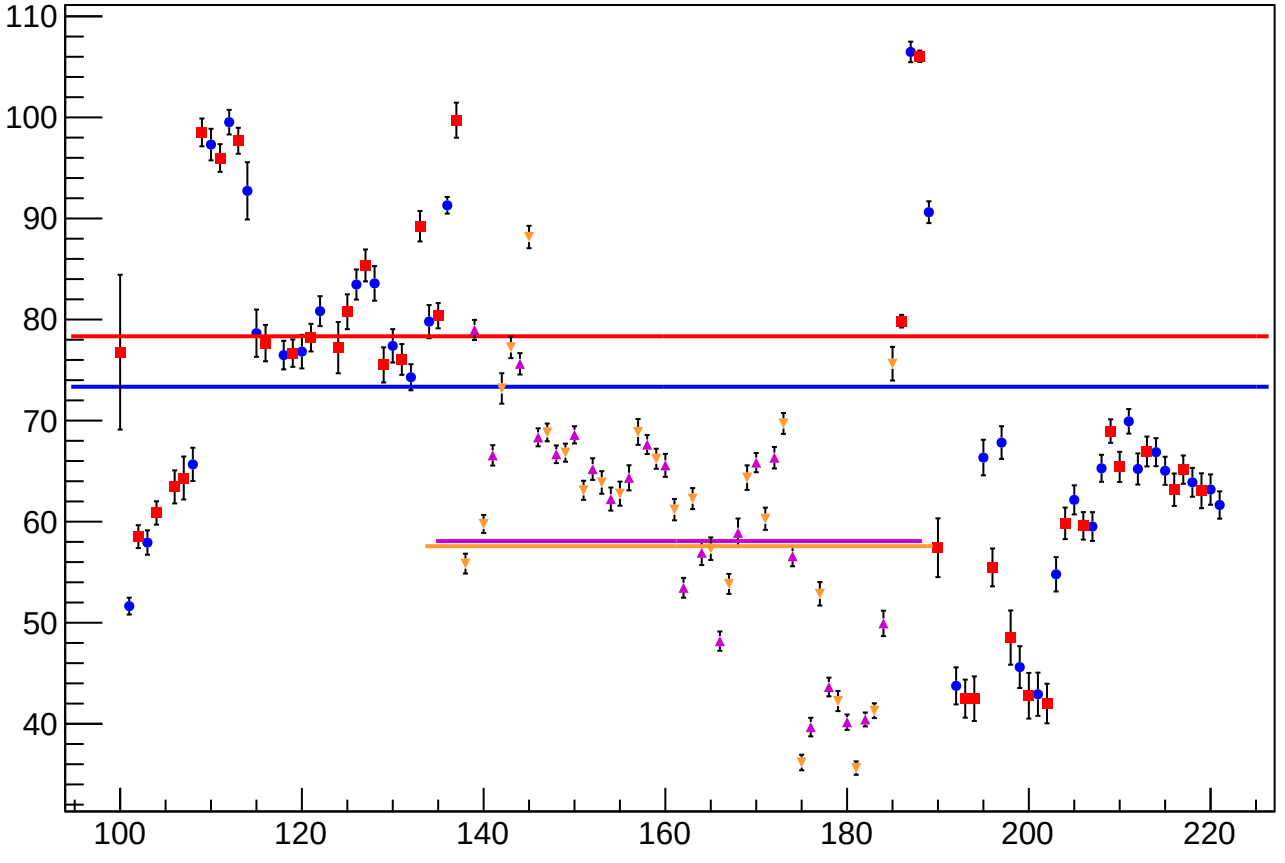
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.385+/-0.131 χ^2/NDF: 2459.7/58

All: 1.321+/-0.094 χ^2/NDF: 4329.6/117

- sign 1.255+/-0.134 χ^2/NDF: 1869.4/58

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 73.349+/-0.238 χ^2/NDF: 4790.6/33

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 78.342+/-0.227 χ^2/NDF: 6301.7/35

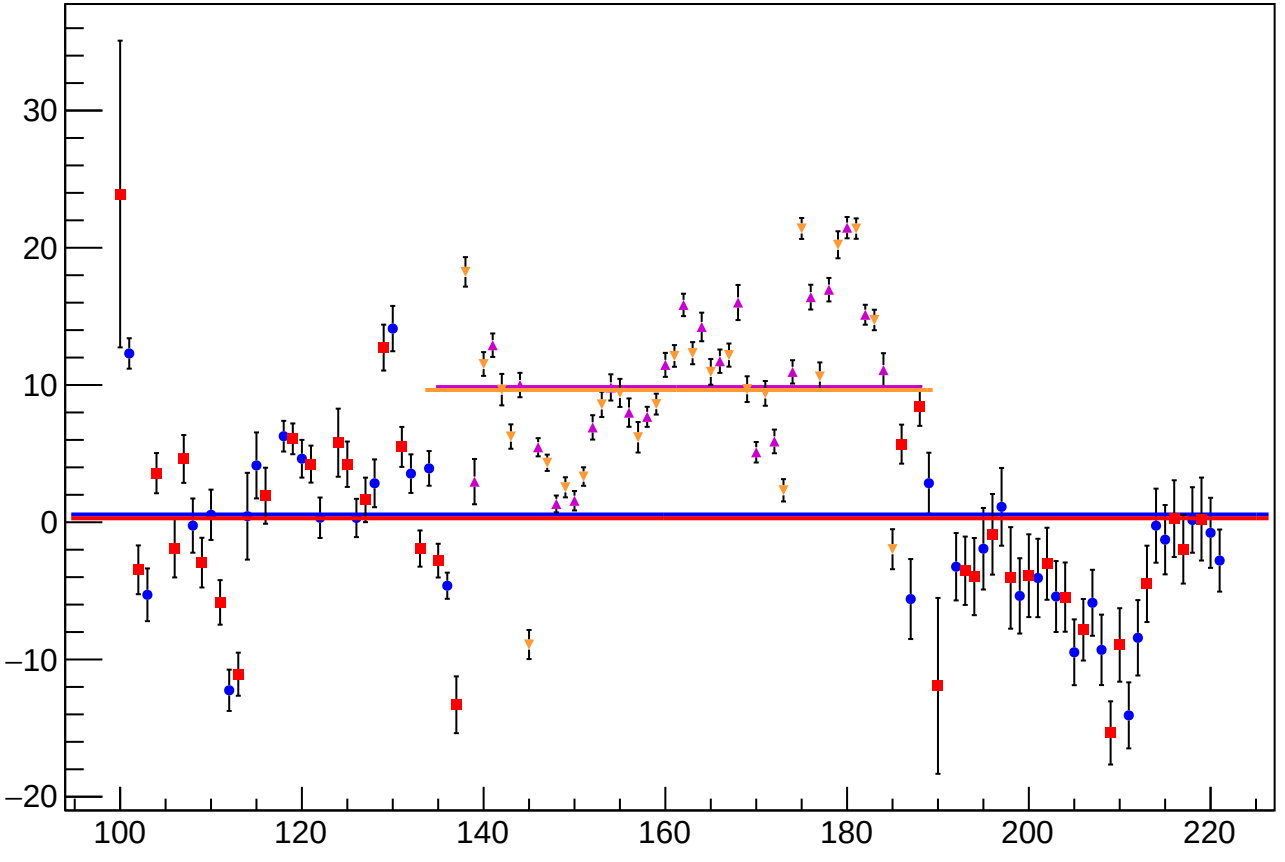
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

\+ sign 64.052+/-0.153 χ^2/NDF: 12057.7/58

All: 65.580+/-0.108 χ^2/NDF: 26524.3/117

\- sign 67.085+/-0.152 χ^2/NDF: 14268.0/58

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.565+/-0.311 χ^2/NDF: 452.7/33

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.289+/-0.314 χ^2/NDF: 398.4/35

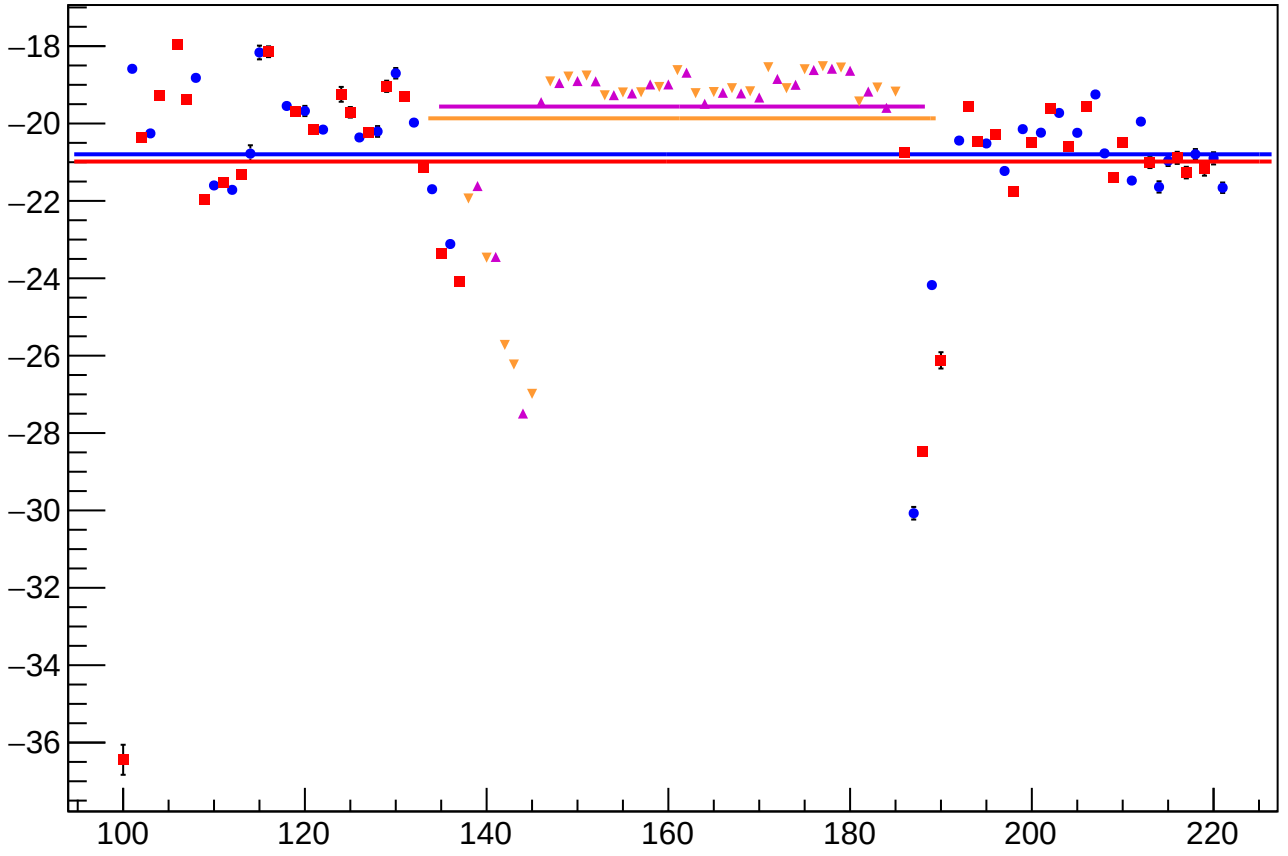
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.523+/-0.150 χ^2/NDF: 2596.8/58

All: 7.538+/-0.107 χ^2/NDF: 4694.2/117

- sign 7.554+/-0.154 χ^2/NDF: 2097.4/58

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.796+/-0.015 χ^2/NDF: 12696.4/33

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.983+/-0.016 χ^2/NDF: 20706.6/35

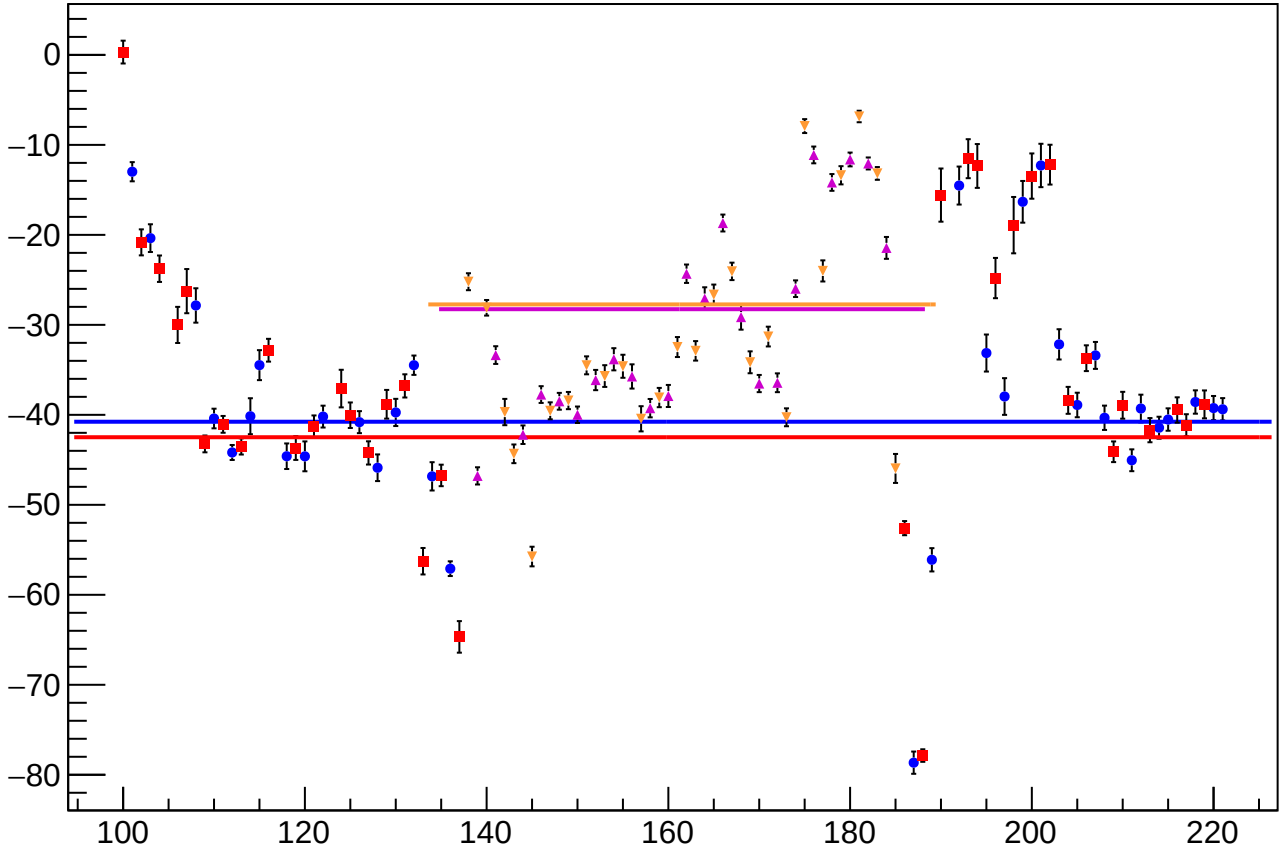
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.061+/-0.007 χ^2/NDF: 94515.6/58

All: -19.959+/-0.005 χ^2/NDF: 167404.3/117

- sign -19.855+/-0.007 χ^2/NDF: 72461.1/58

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.766+/-0.231 χ^2/NDF: 2977.8/33

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.488+/-0.222 χ^2/NDF: 5657.8/35

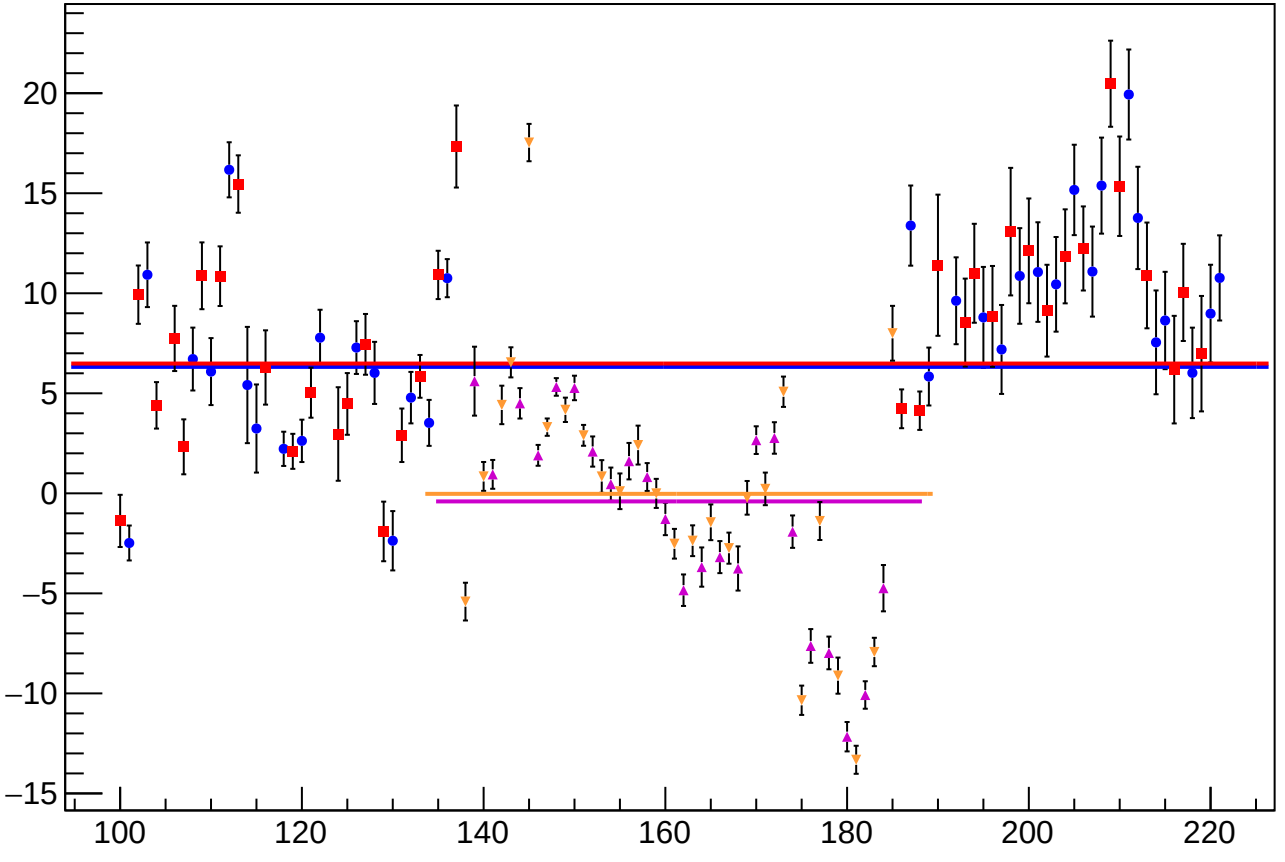
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -33.340+/-0.152 χ^2/NDF: 9092.5/58

All: -34.097+/-0.107 χ^2/NDF: 20178.8/117

- sign -34.850+/-0.151 χ^2/NDF: 11036.5/58

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.321+/-0.271 χ^2/NDF: 375.4/33

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.487+/-0.261 χ^2/NDF: 322.5/35

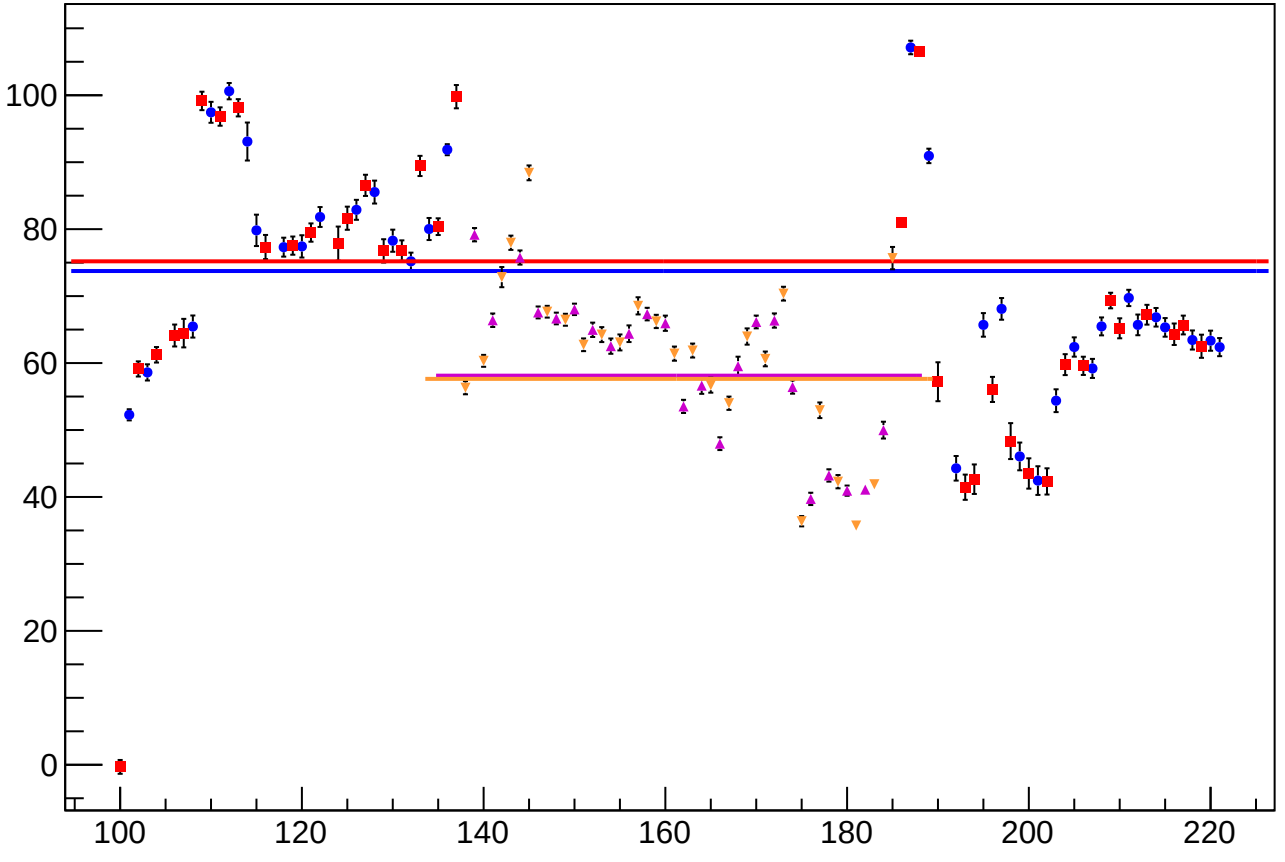
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.467+/-0.131 χ^2/NDF: 2326.7/58

All: 1.432+/-0.094 χ^2/NDF: 4246.6/117

- sign 1.395+/-0.134 χ^2/NDF: 1919.8/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 73.746+/-0.239 χ^2/NDF: 4868.3/33

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.196+/-0.223 χ^2/NDF: 11967.2/35

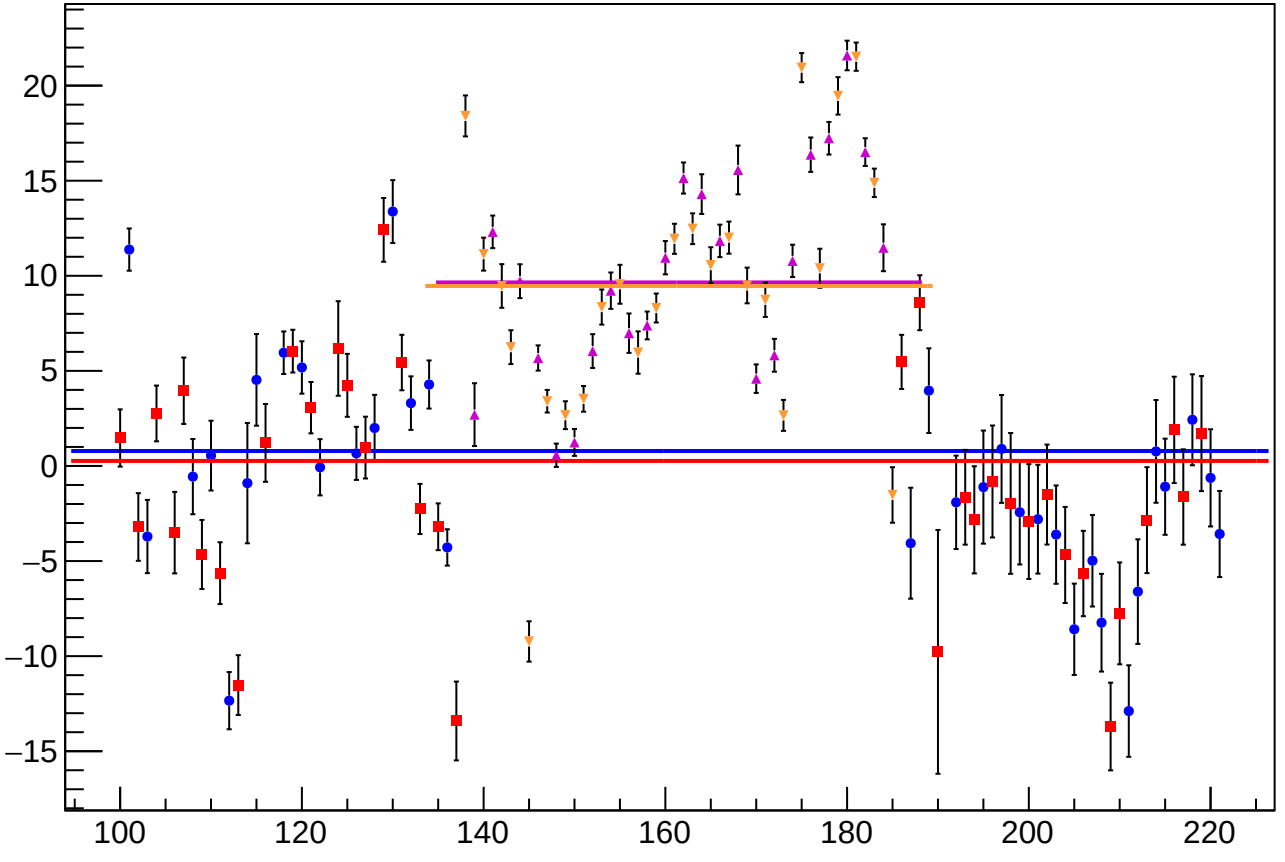
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.254+/-0.153 χ^2/NDF: 12165.0/58

All: 65.096+/-0.107 χ^2/NDF: 30838.1/117

- sign 65.909+/-0.150 χ^2/NDF: 18613.5/58

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.786+/-0.311 χ^2/NDF: 395.0/33

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.266+/-0.308 χ^2/NDF: 366.1/35

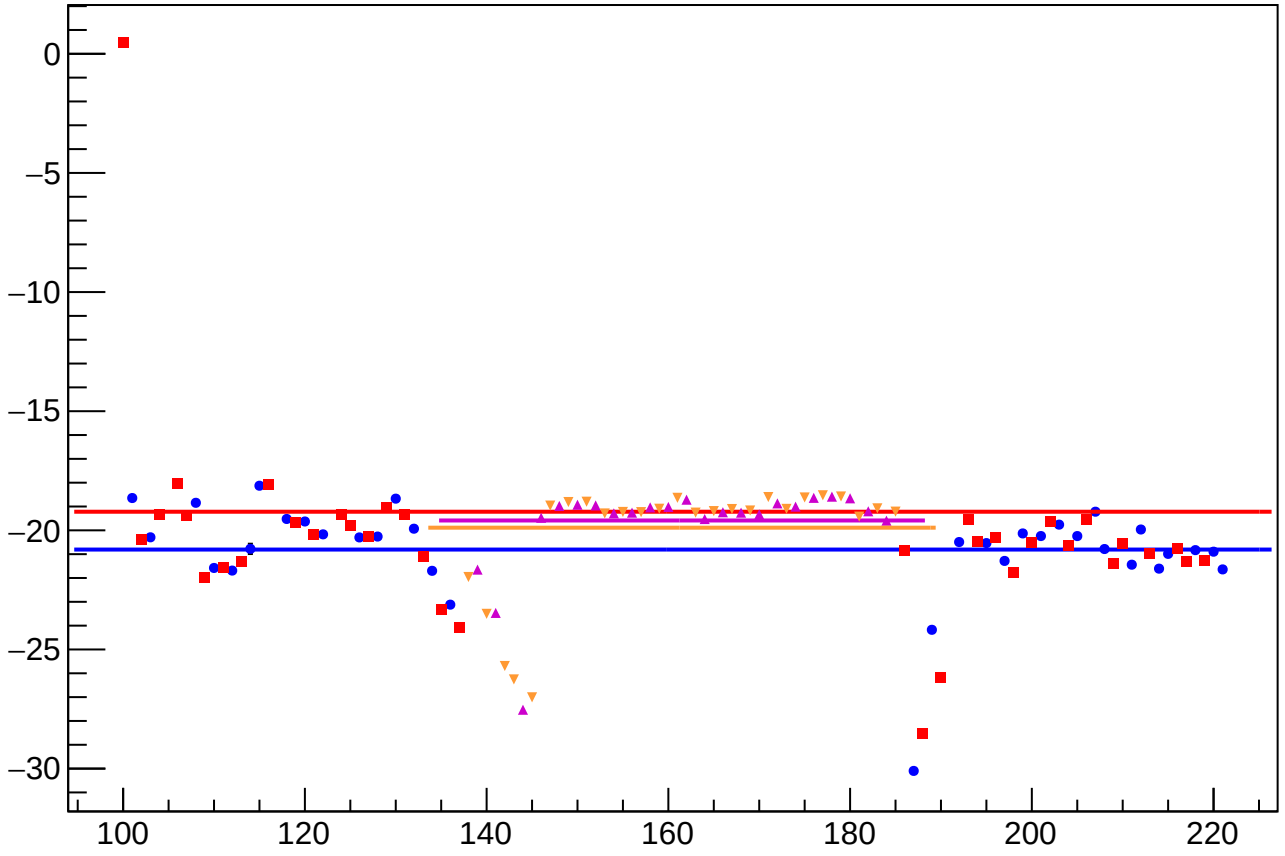
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.440+/-0.150 χ^2/NDF: 2473.2/58

All: 7.383+/-0.107 χ^2/NDF: 4618.1/117

- sign 7.323+/-0.153 χ^2/NDF: 2144.6/58

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.807+/-0.015 χ^2/NDF: 12574.2/33

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.219+/-0.015 χ^2/NDF: 173067.6/35

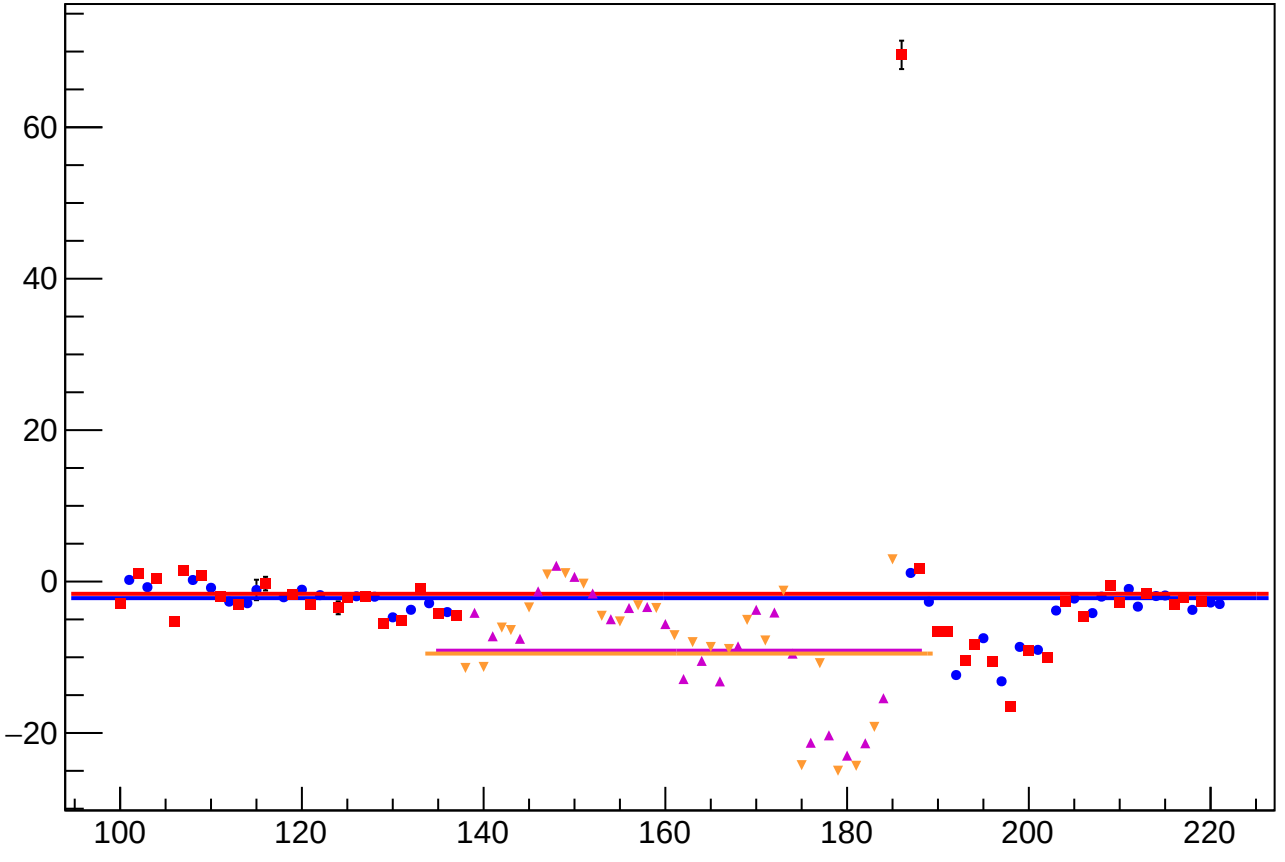
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.081+/-0.007 χ^2/NDF: 93931.2/58

All: -19.794+/-0.005 χ^2/NDF: 315913.9/117

- sign -19.505+/-0.007 χ^2/NDF: 218621.1/58

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.191+/-0.046 χ^2/NDF: 3404.1/33

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

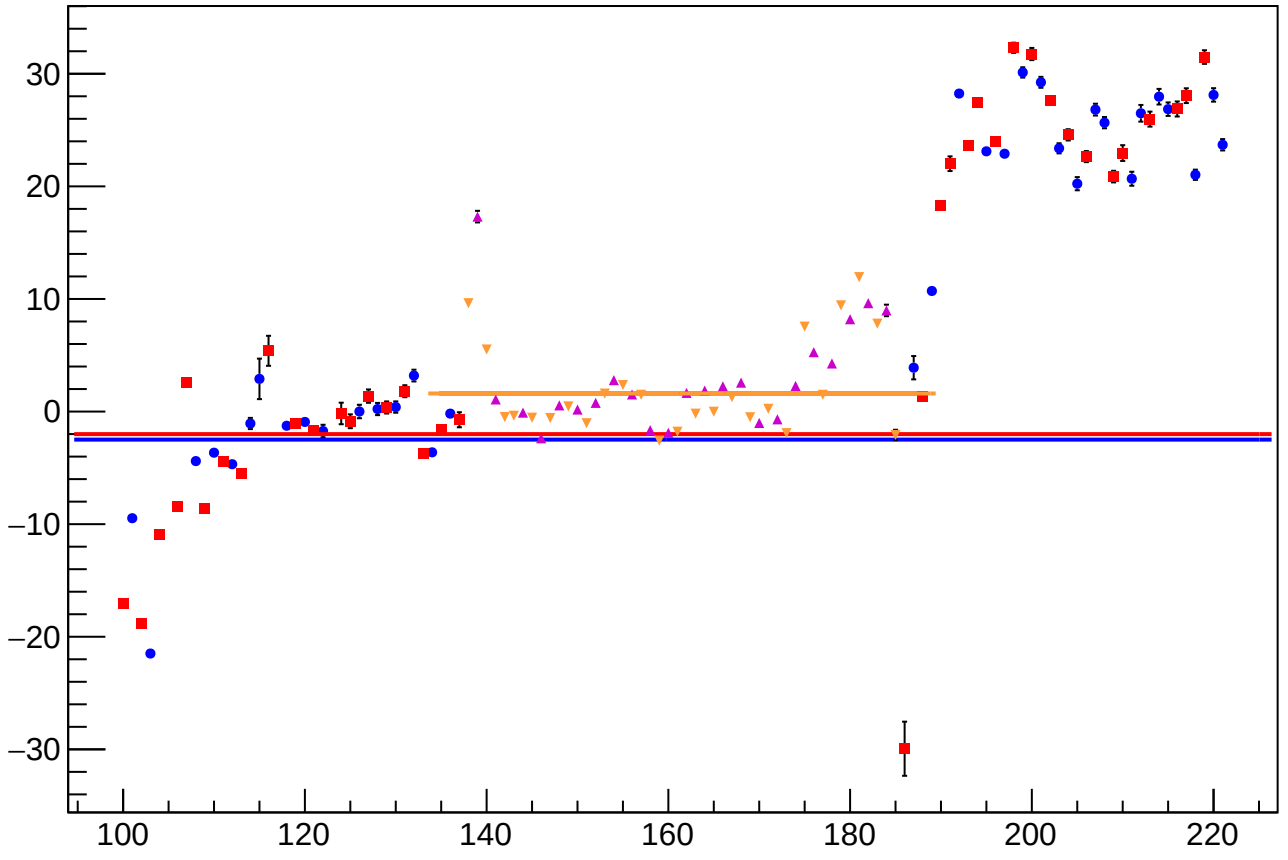
Right Out: -1.619+/-0.043 χ^2/NDF: 6999.3/36

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.257+/-0.039 χ^2/NDF: 23612.0/58

All: -3.868+/-0.027 χ^2/NDF: 48761.5/118

- sign -3.502+/-0.037 χ^2/NDF: 24952.6/59



Right In: -2.491+/-0.051 χ^2/NDF: 77347.0/33

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.004+/-0.051 χ^2/NDF: 75801.2/36

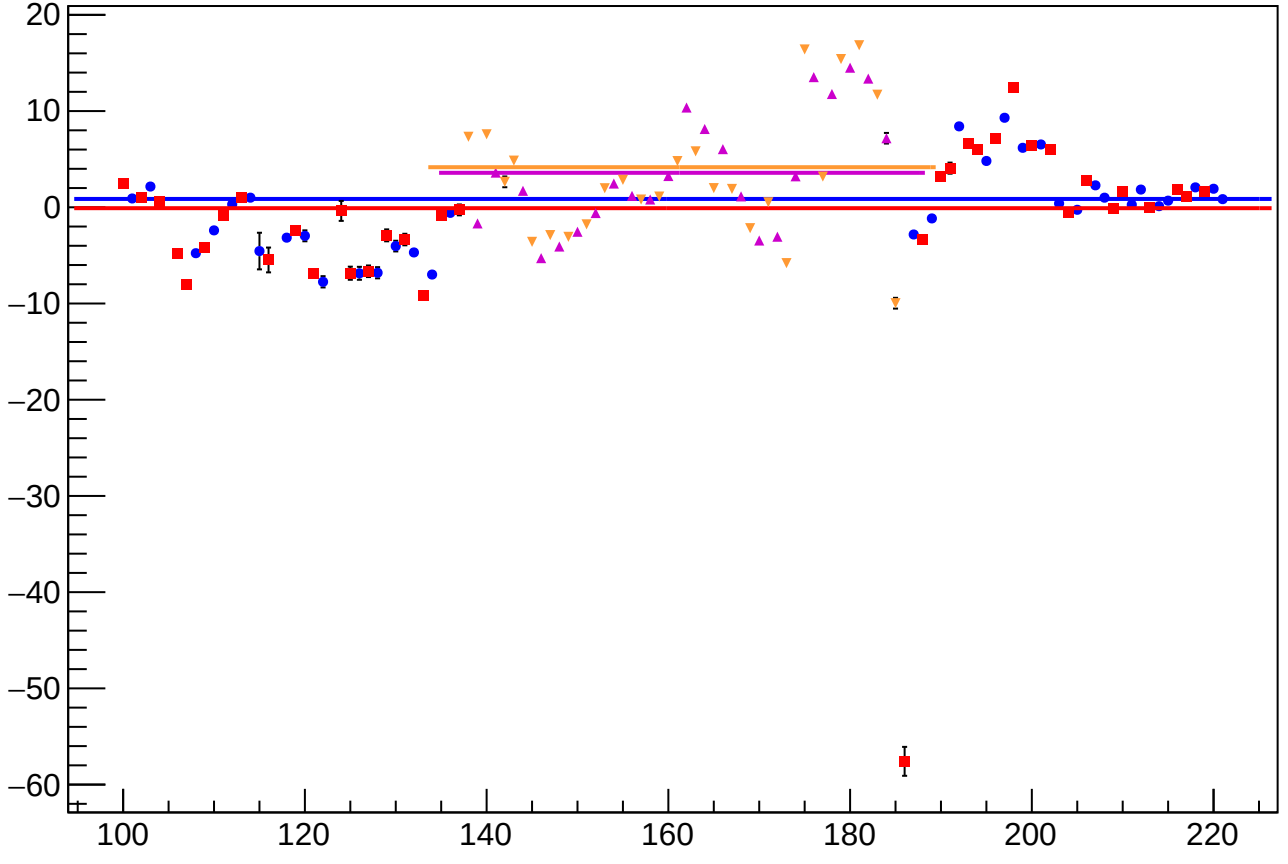
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -0.594+/-0.038 χ^2/NDF: 84984.6/58

All: -0.506+/-0.027 χ^2/NDF: 166644.0/118

- sign -0.414+/-0.038 χ^2/NDF: 81648.1/59

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.868+/-0.044 χ^2/NDF: 4208.5/33

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

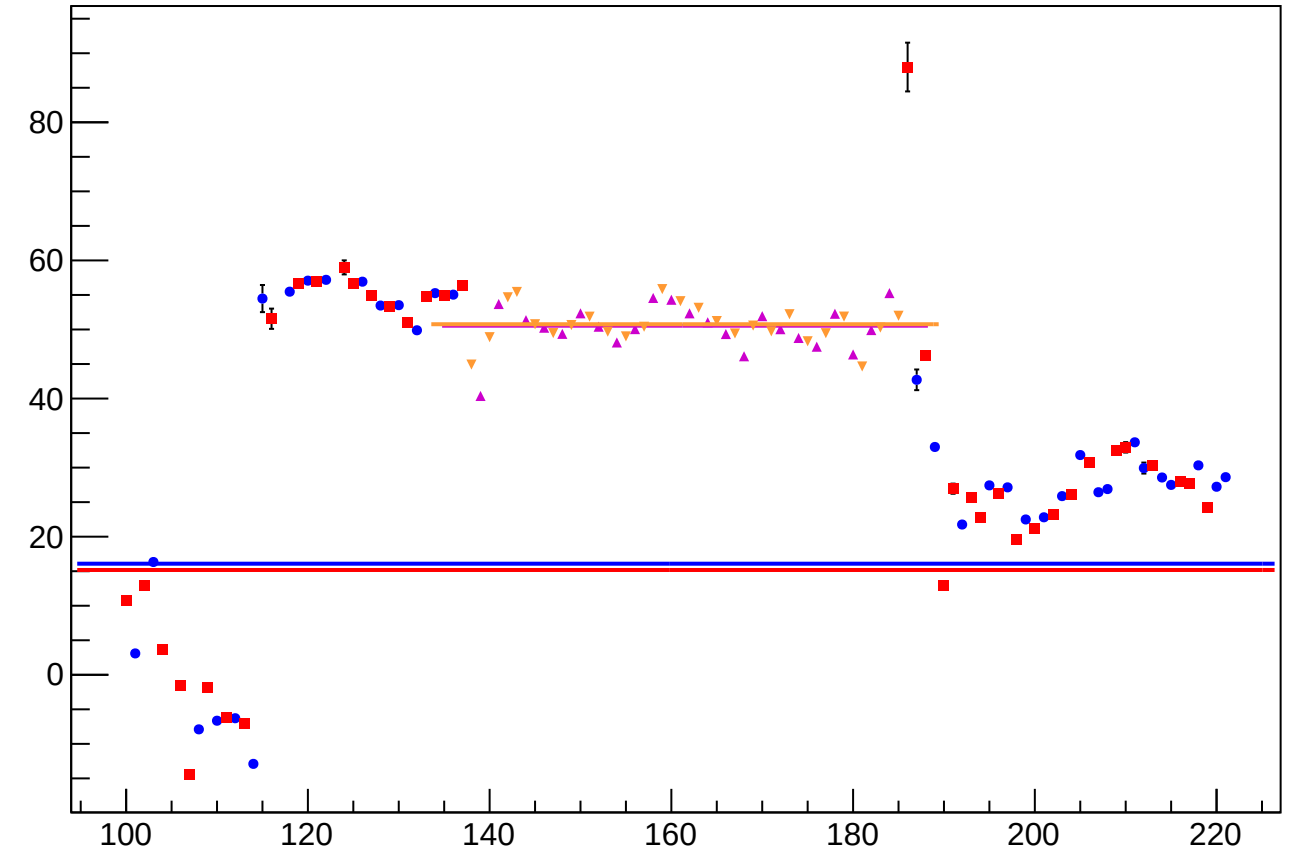
Right Out: -0.093+/-0.044 χ^2/NDF: 8287.5/36

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.776+/-0.038 χ^2/NDF: 14972.3/58

All: 1.320+/-0.027 χ^2/NDF: 32605.5/118

- sign 0.866+/-0.038 χ^2/NDF: 17343.4/59



Right In: 16.087+/-0.060 χ^2/NDF: 118367.7/33

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.177+/-0.060 χ^2/NDF: 133770.9/36

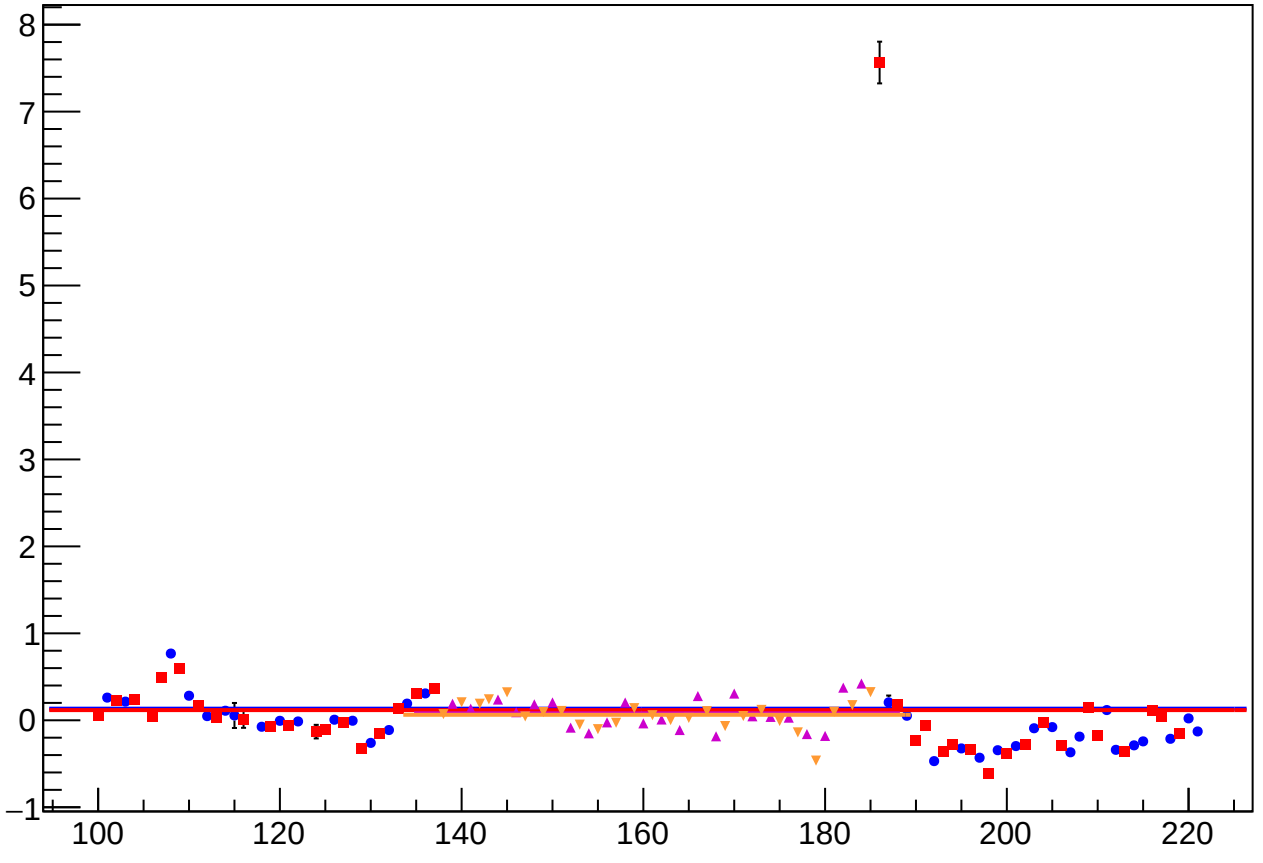
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.867+/-0.043 χ^2/NDF: 279263.7/58

All: 32.263+/-0.031 χ^2/NDF: 574613.4/118

- sign 31.638+/-0.044 χ^2/NDF: 294956.2/59

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.134+/-0.002 χ^2/NDF: 14165.9/33

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.117+/-0.002 χ^2/NDF: 13259.4/36

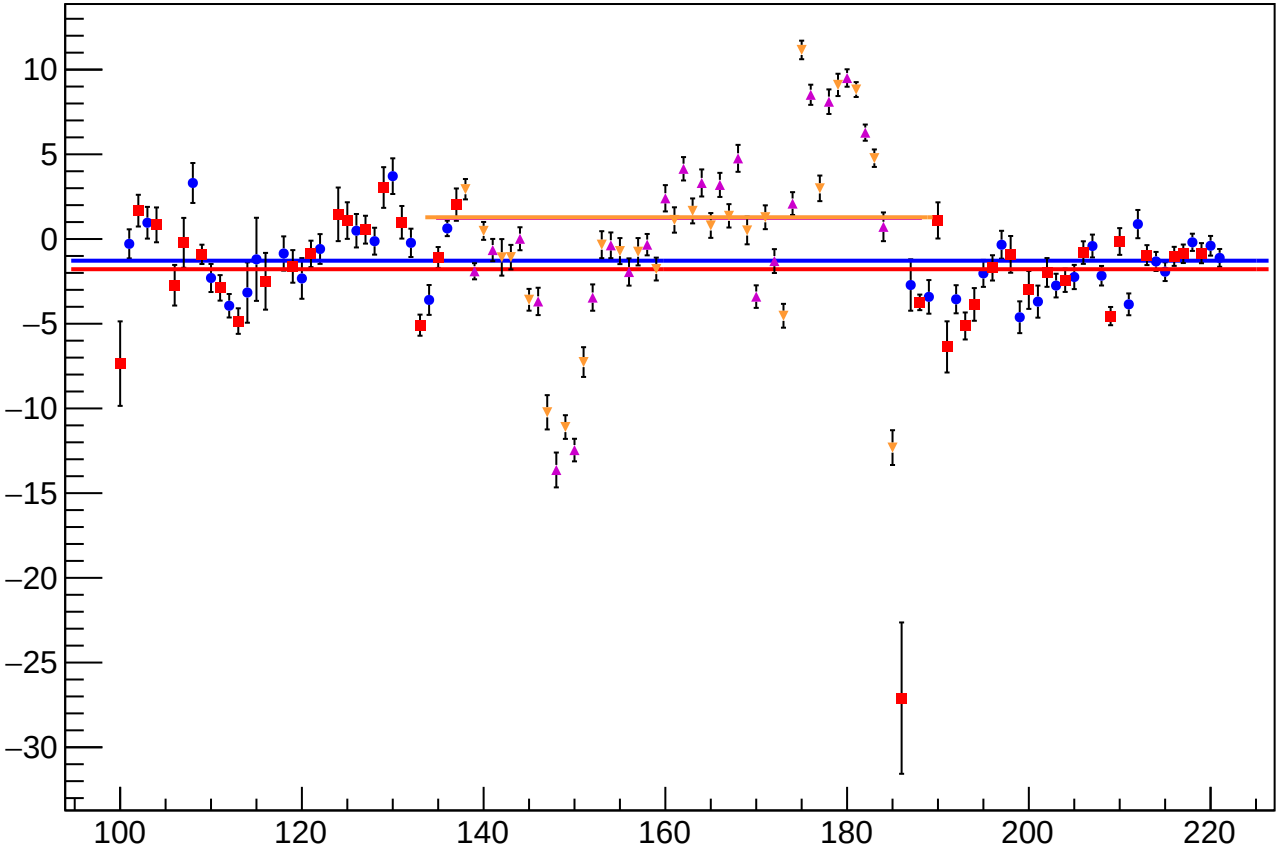
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.103+/-0.002 χ^2/NDF: 17092.9/58

All: 0.103+/-0.001 χ^2/NDF: 33902.5/118

- sign 0.102+/-0.002 χ^2/NDF: 16809.2/59

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.280+/-0.130 χ^2/NDF: 170.5/33

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.782+/-0.130 χ^2/NDF: 272.4/36

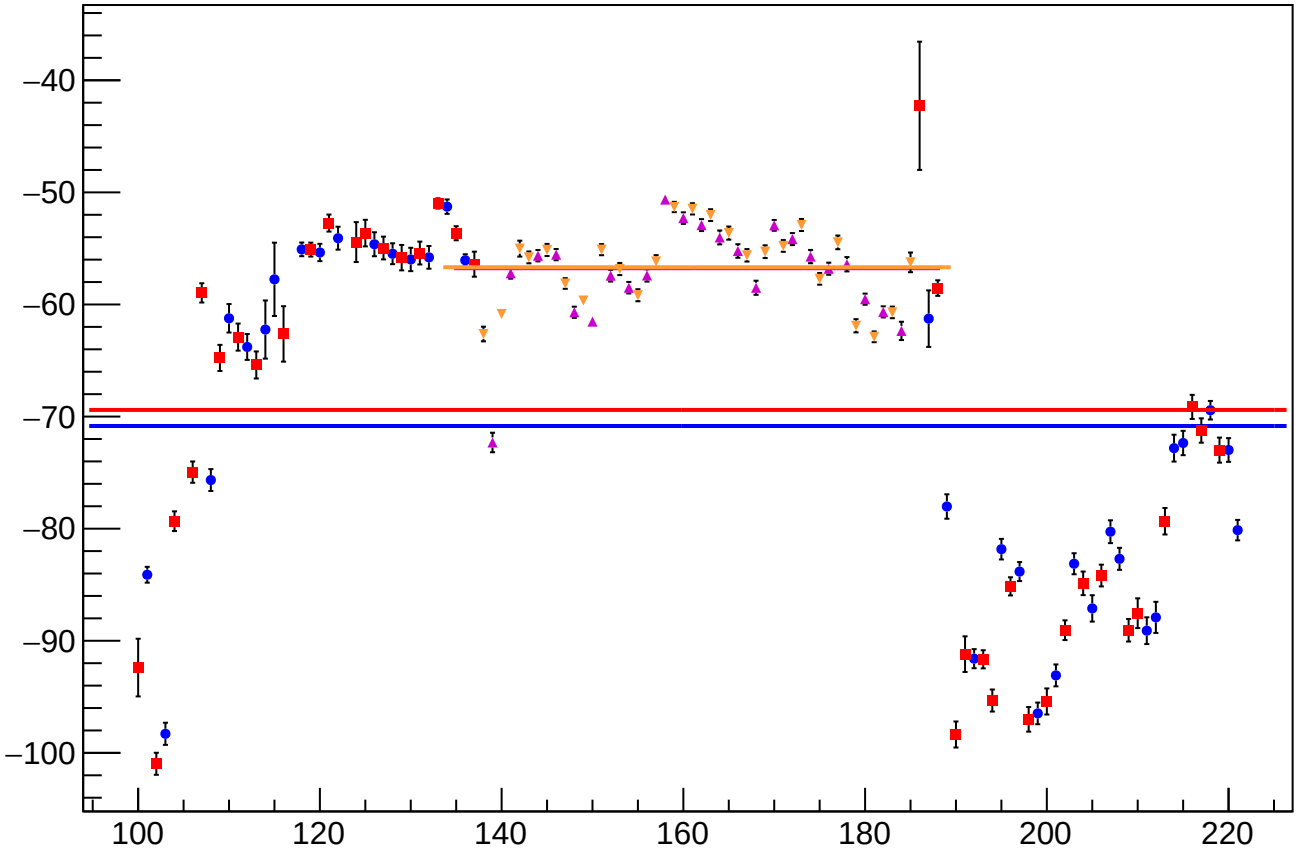
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign -0.067+/-0.094 χ^2/NDF: 2070.5/58

All: -0.224+/-0.067 χ^2/NDF: 4111.4/118

- sign -0.384+/-0.095 χ^2/NDF: 2035.3/59

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.840+/-0.162 χ^2/NDF: 8569.6/33

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.406+/-0.157 χ^2/NDF: 11310.5/36

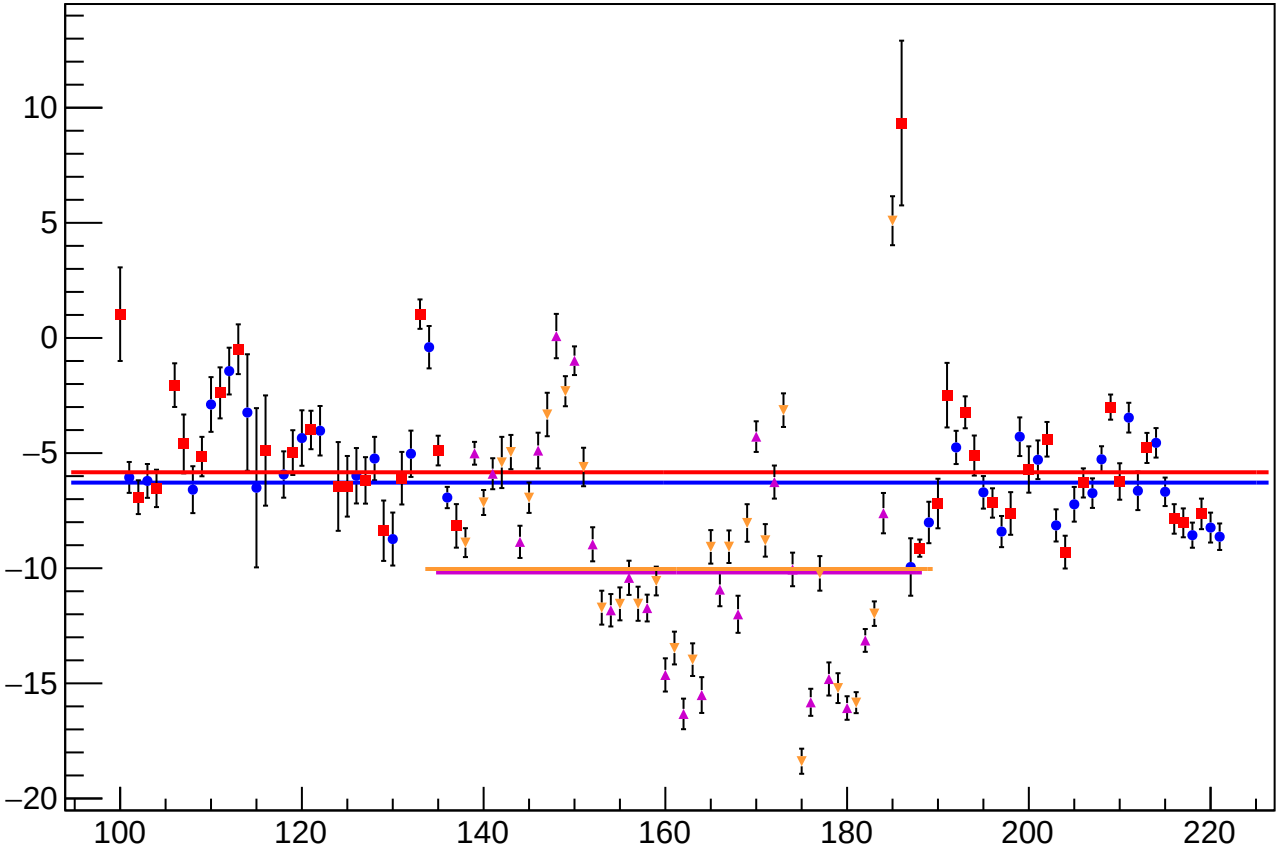
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.993+/-0.089 χ^2/NDF: 14897.3/58

All: -61.003+/-0.064 χ^2/NDF: 31600.1/118

- sign -61.013+/-0.091 χ^2/NDF: 16702.8/59

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.282+/-0.133 χ^2/NDF: 206.4/33

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.833+/-0.132 χ^2/NDF: 413.2/36

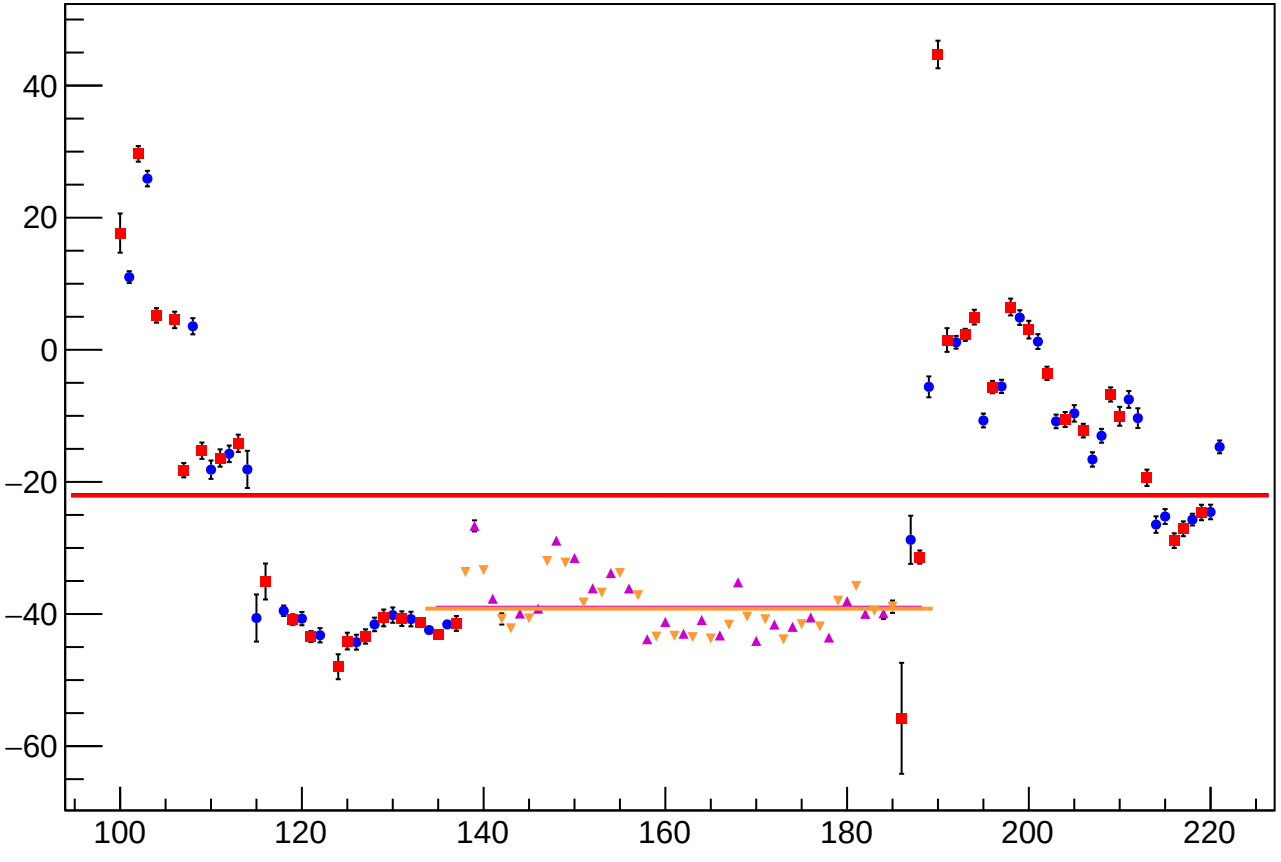
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.111+/-0.095 χ^2/NDF: 1777.7/58

All: -8.001+/-0.067 χ^2/NDF: 3852.0/118

- sign -7.890+/-0.096 χ^2/NDF: 2071.6/59

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -21.998+/-0.182 χ^2/NDF: 10814.6/33

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.058+/-0.181 χ^2/NDF: 13014.3/36

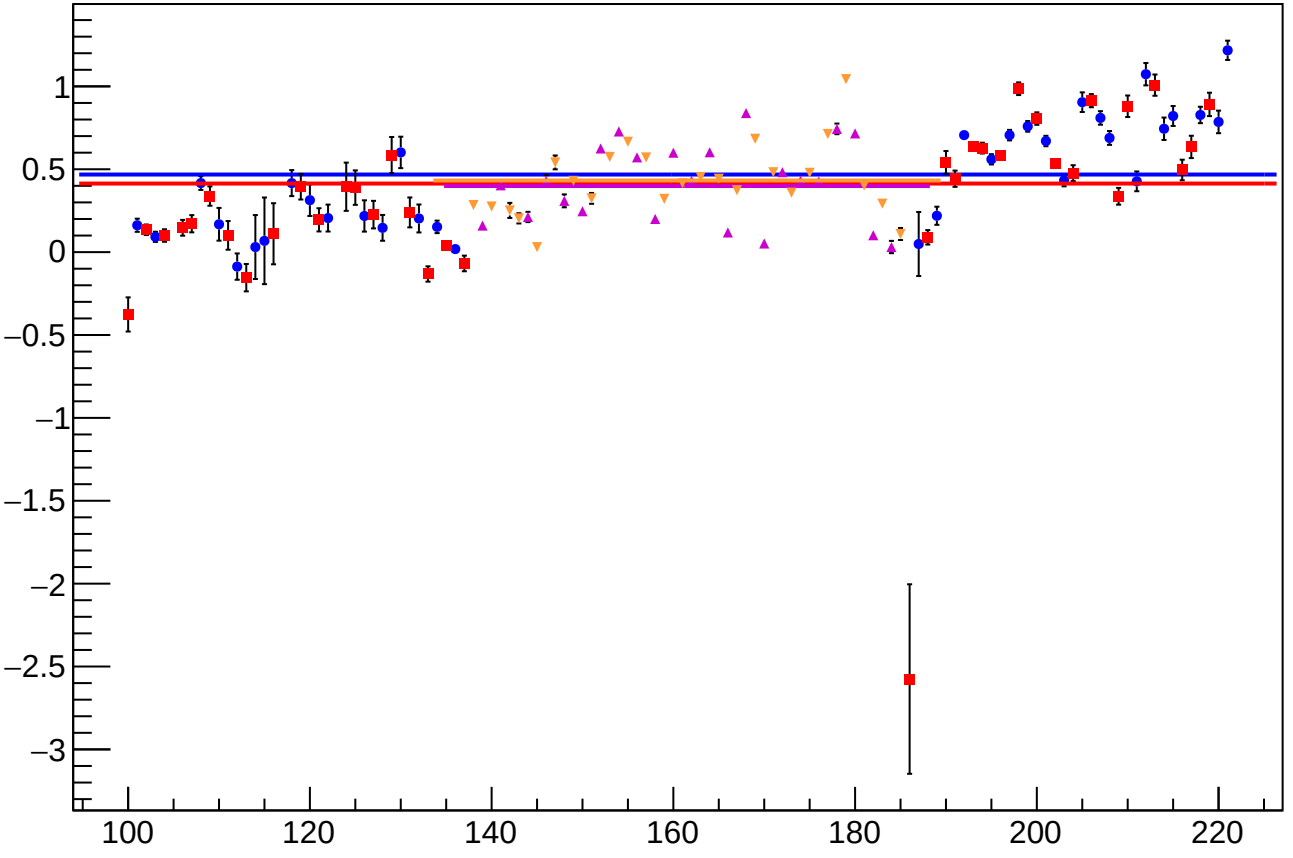
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -33.988+/-0.100 χ^2/NDF: 18047.7/58

All: -33.798+/-0.072 χ^2/NDF: 38286.5/118

- sign -33.600+/-0.102 χ^2/NDF: 20231.5/59

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.468+/-0.008 χ^2/NDF: 1631.9/33

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.414+/-0.008 χ^2/NDF: 1744.2/36

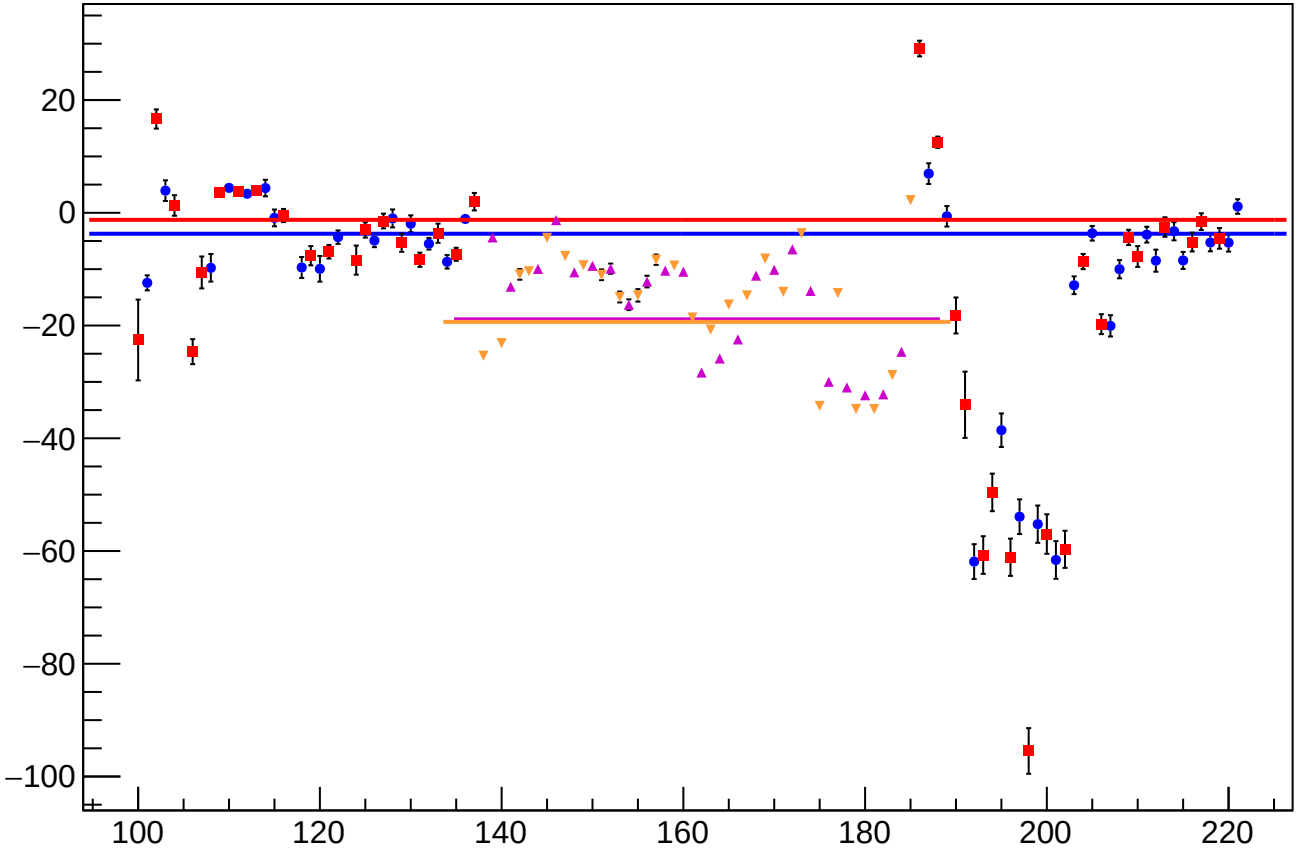
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.443+/-0.004 χ^2/NDF: 3014.7/58

All: 0.424+/-0.003 χ^2/NDF: 6725.9/118

- sign 0.404+/-0.004 χ^2/NDF: 3670.4/59

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.716+/-0.233 χ^2/NDF: 1910.3/33

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.249+/-0.227 χ^2/NDF: 3403.5/36

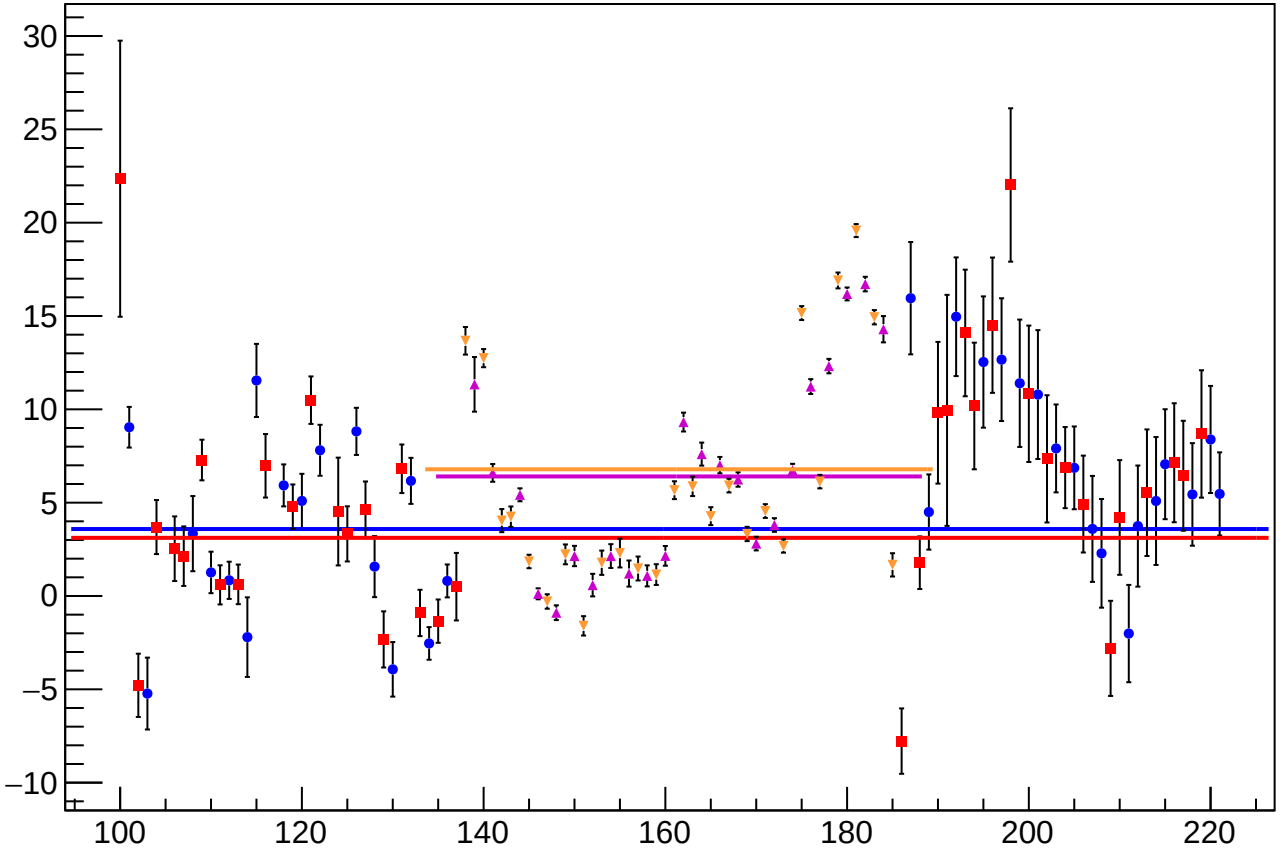
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.349+/-0.102 χ^2/NDF: 15951.0/58

All: -15.803+/-0.073 χ^2/NDF: 32491.4/118

- sign -15.240+/-0.103 χ^2/NDF: 16482.0/59

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.587+/-0.283 χ^2/NDF: 275.0/33

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

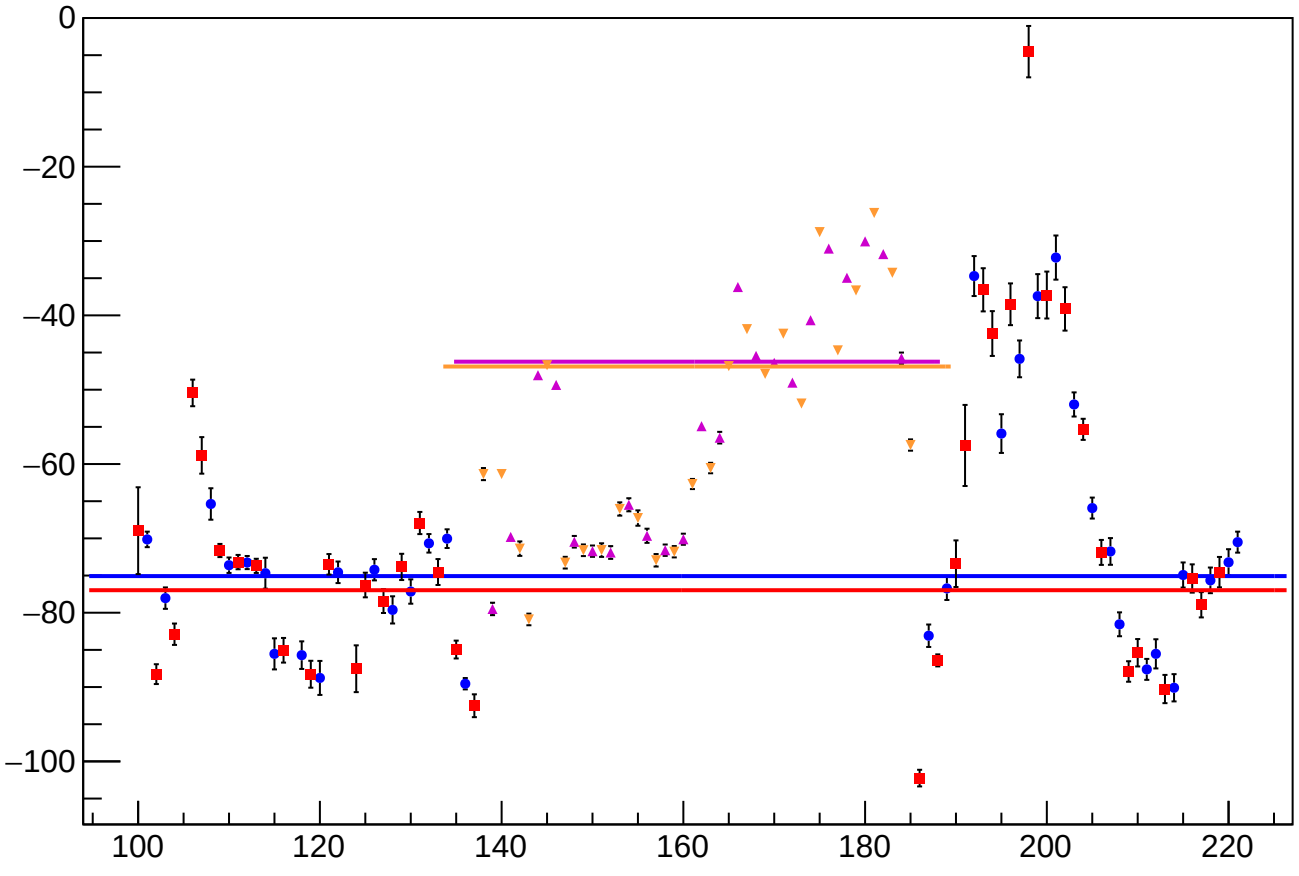
Right Out: 3.116+/-0.288 χ^2/NDF: 256.5/36

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.493+/-0.086 χ^2/NDF: 5023.8/58

All: 6.301+/-0.061 χ^2/NDF: 8819.1/118

- sign 6.105+/-0.087 χ^2/NDF: 3785.2/59



Right In: -75.074+/-0.258 χ^2/NDF: 1811.8/33

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.972+/-0.257 χ^2/NDF: 3014.1/36

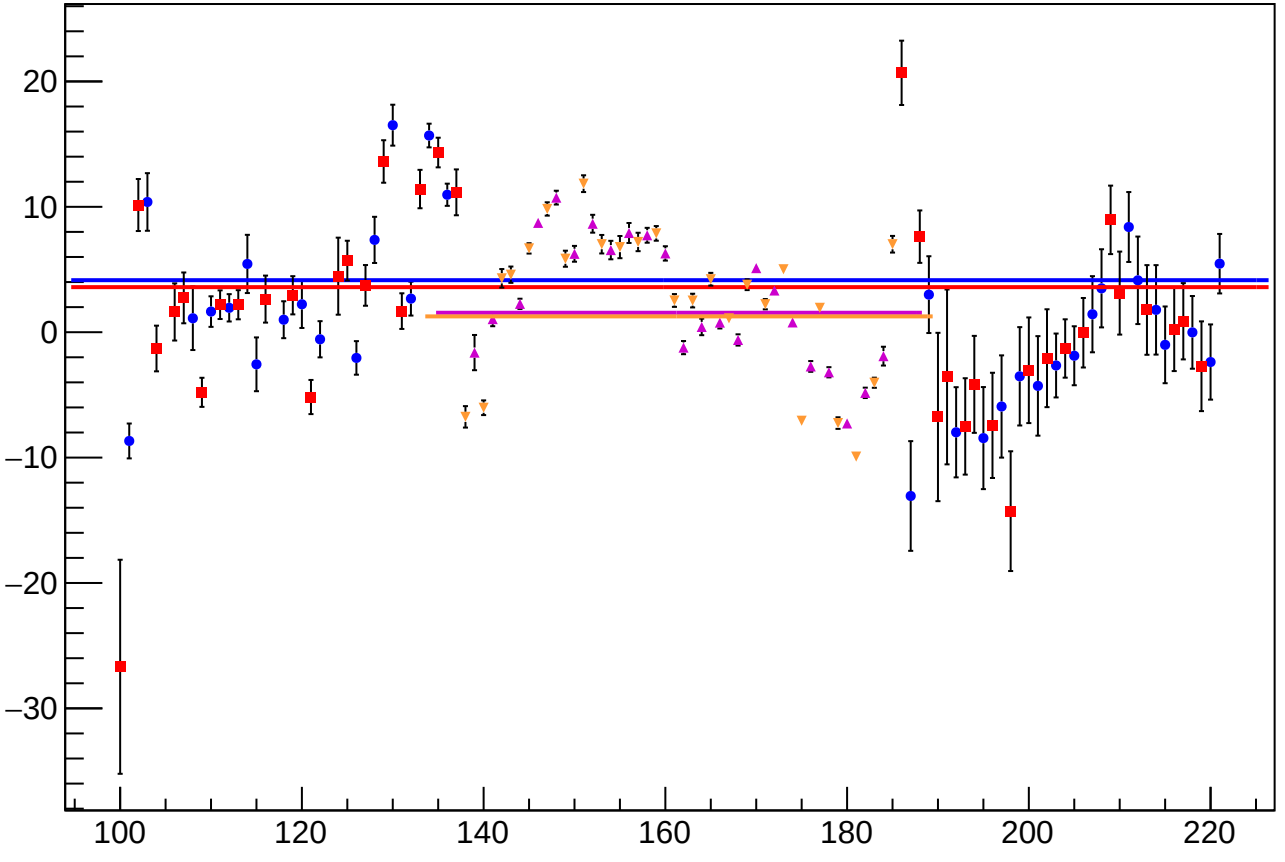
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -51.493+/-0.104 χ^2/NDF: 29804.8/58

All: -51.482+/-0.074 χ^2/NDF: 59901.9/118

- sign -51.470+/-0.106 χ^2/NDF: 30097.1/59

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.149+/-0.316 χ^2/NDF: 498.5/33

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.595+/-0.327 χ^2/NDF: 396.7/36

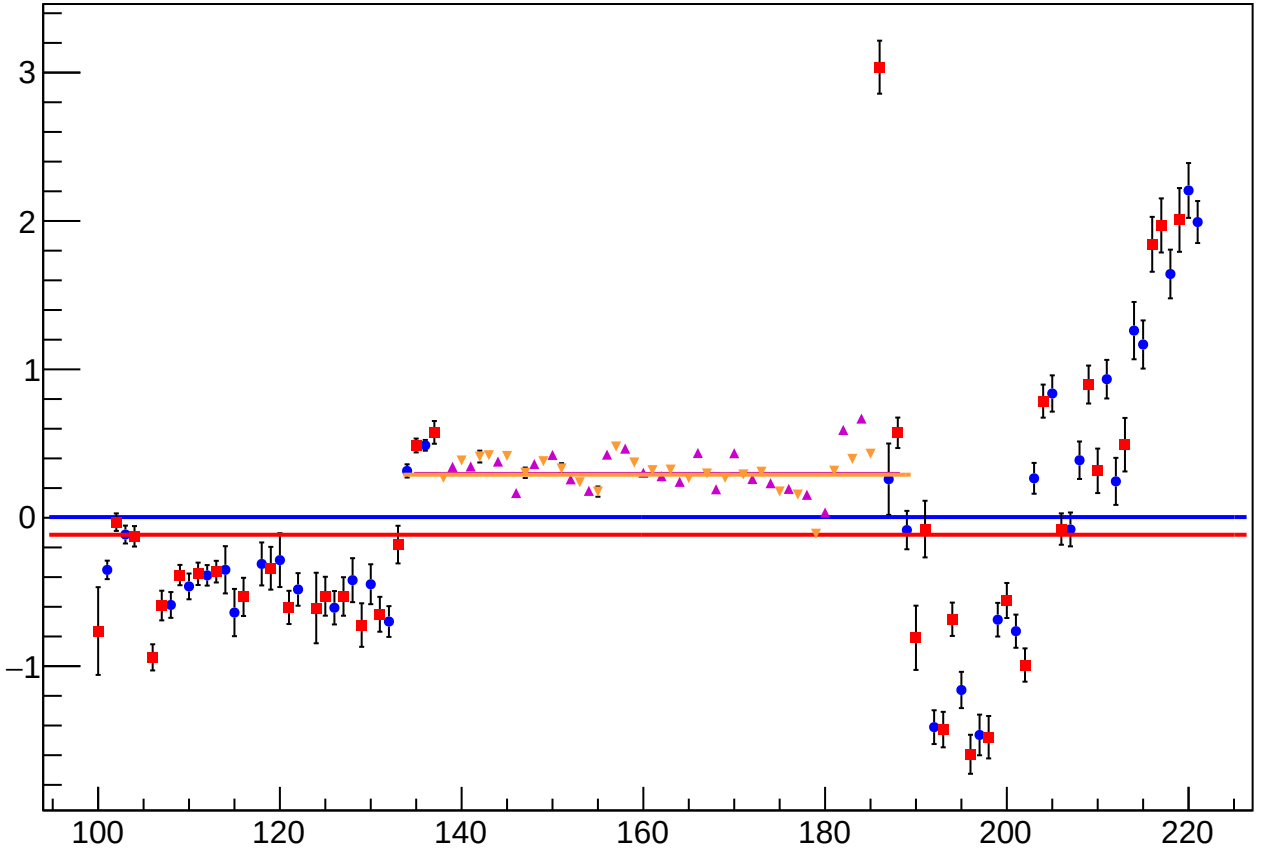
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.526+/-0.096 χ^2/NDF: 4020.0/58

All: 1.627+/-0.068 χ^2/NDF: 6790.2/118

- sign 1.732+/-0.097 χ^2/NDF: 2767.9/59

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: 0.005+/-0.016 χ^2/NDF: 1610.2/33

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.114+/-0.017 χ^2/NDF: 1792.7/36

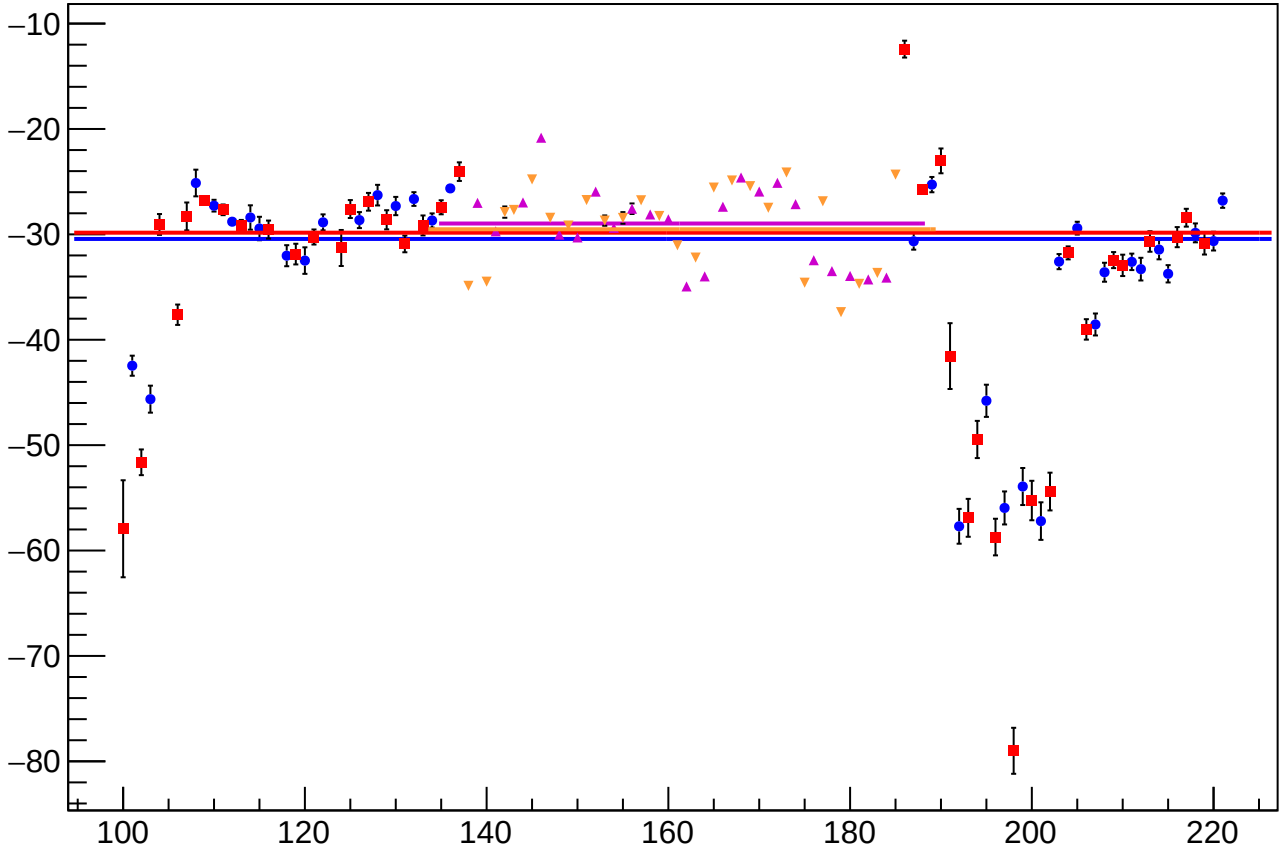
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.270+/-0.004 χ^2/NDF: 2617.8/58

All: 0.269+/-0.003 χ^2/NDF: 5981.8/118

- sign 0.268+/-0.004 χ^2/NDF: 3363.9/59

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.435+/-0.140 χ^2/NDF: 1814.0/33

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.841+/-0.140 χ^2/NDF: 2809.8/36

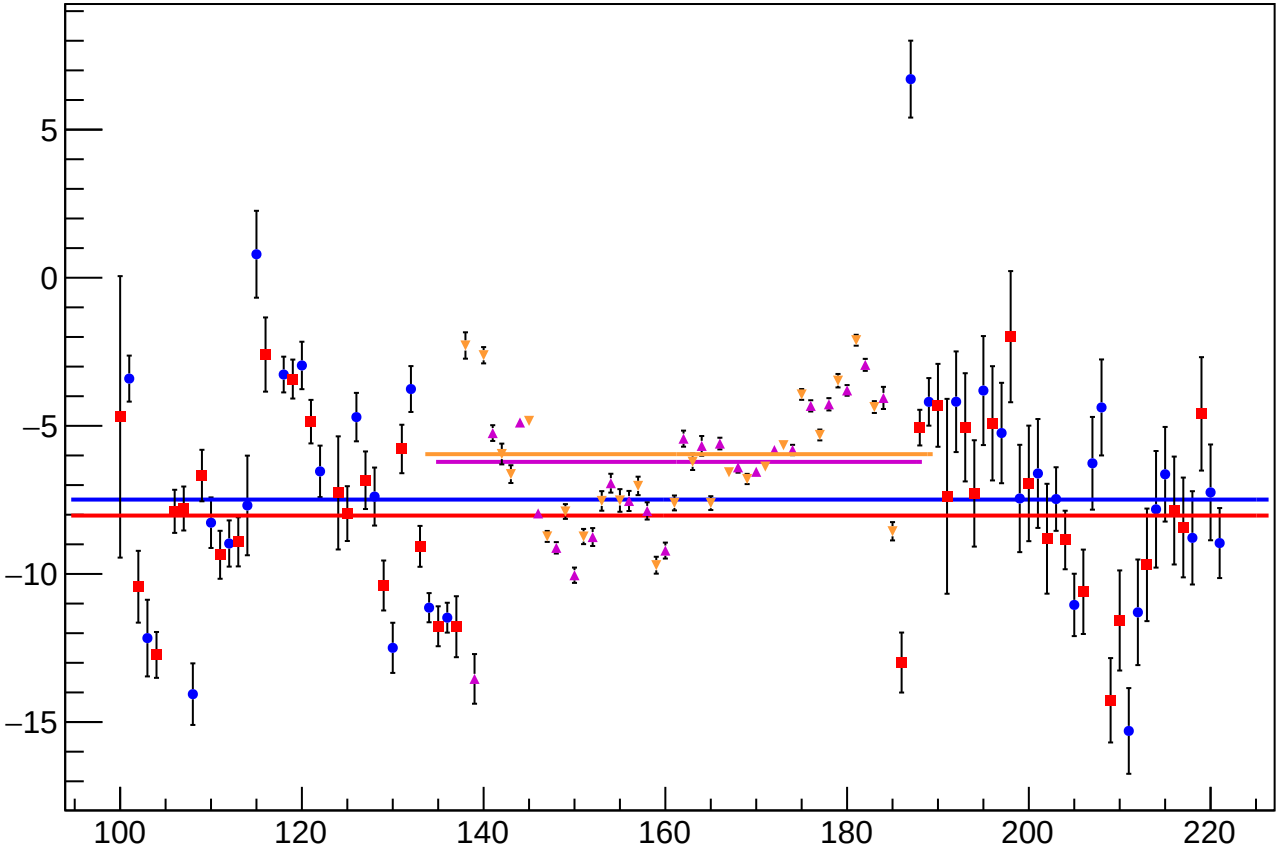
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.644+/-0.052 χ^2/NDF: 7939.5/58

All: -29.372+/-0.037 χ^2/NDF: 16185.6/118

- sign -29.094+/-0.053 χ^2/NDF: 8191.4/59

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.489+/-0.168 χ^2/NDF: 584.5/33

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.029+/-0.168 χ^2/NDF: 298.0/36

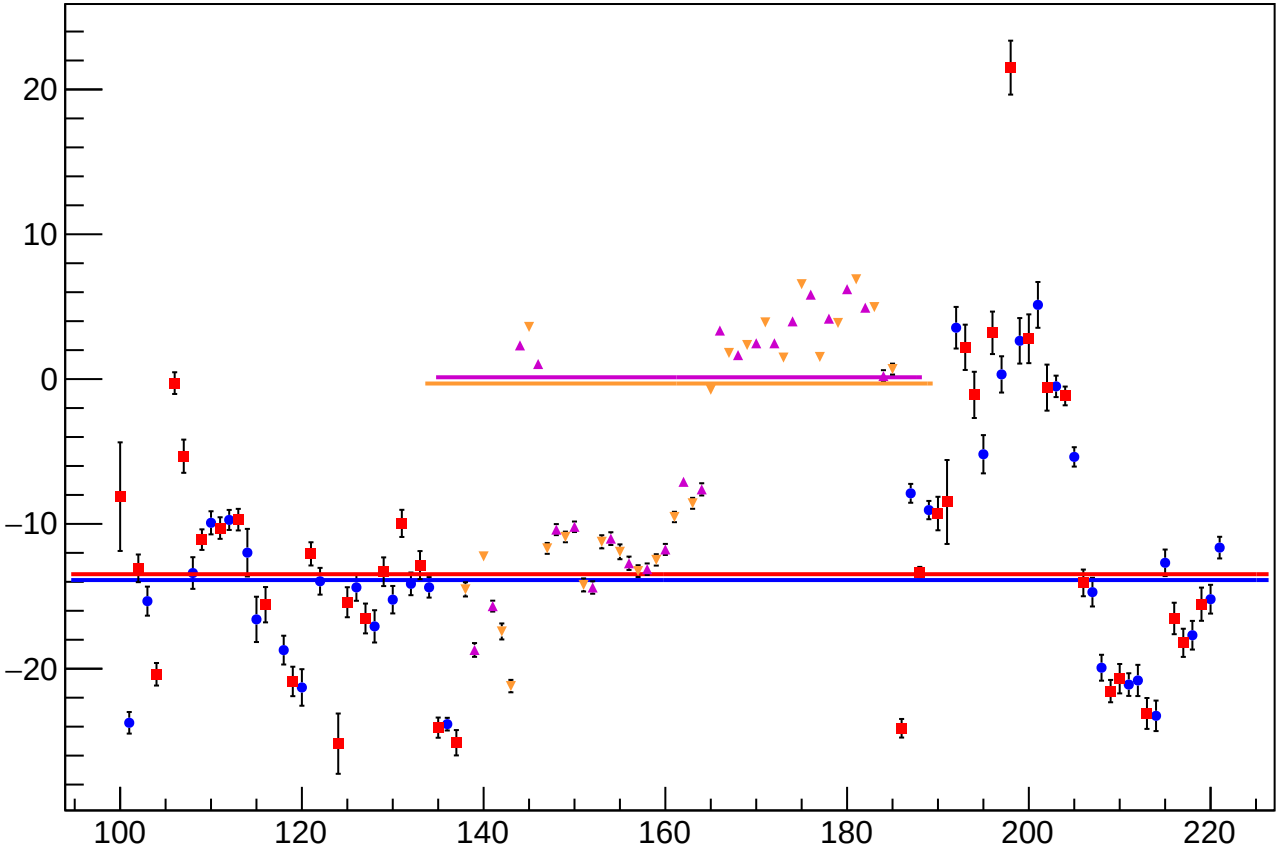
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.057+/-0.043 χ^2/NDF: 2520.4/58

All: -6.196+/-0.030 χ^2/NDF: 4689.8/118

- sign -6.334+/-0.043 χ^2/NDF: 2148.4/59

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.879+/-0.149 χ^2/NDF: 2312.7/33

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.473+/-0.147 χ^2/NDF: 2751.9/36

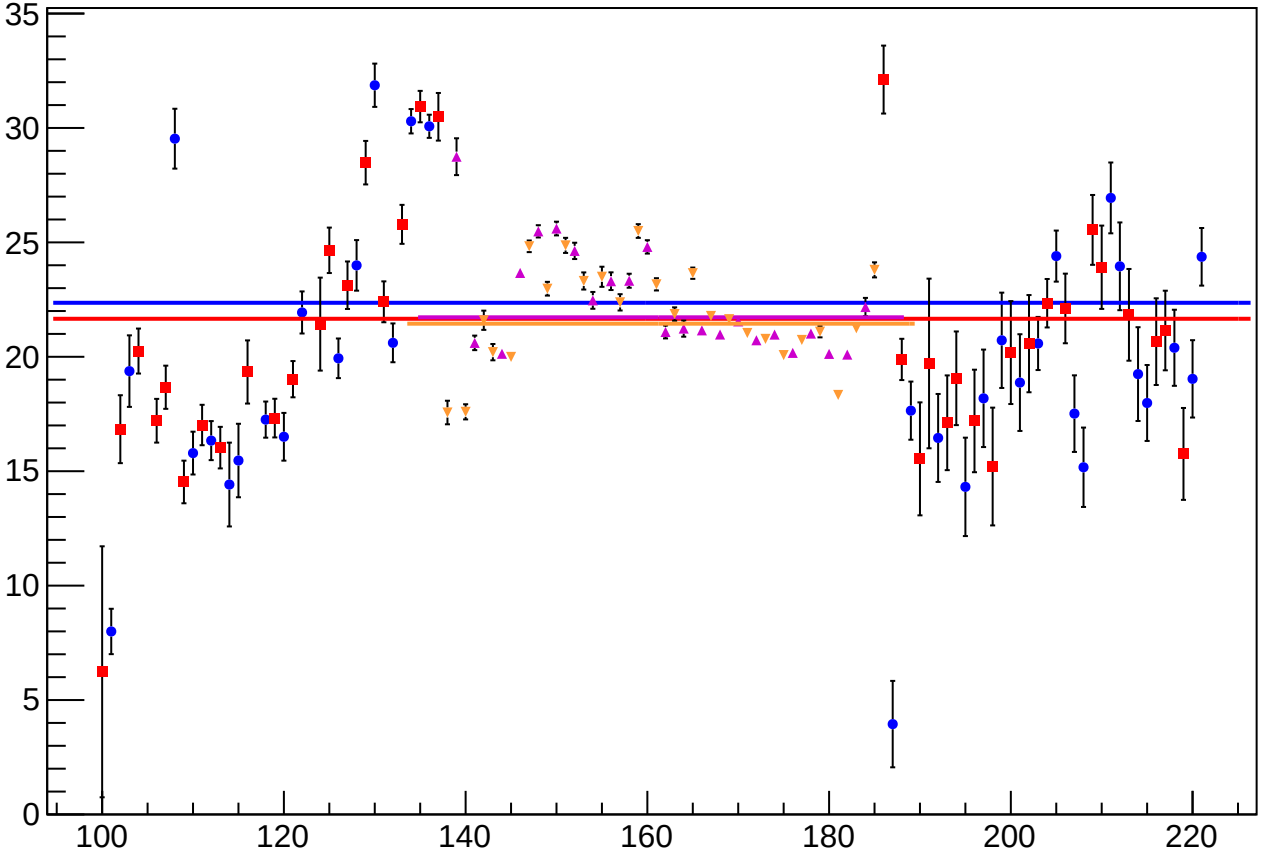
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -2.011+/-0.053 χ^2/NDF: 26729.0/58

All: -1.832+/-0.037 χ^2/NDF: 50772.3/118

- sign -1.650+/-0.053 χ^2/NDF: 24020.2/59

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.360+/-0.189 χ^2/NDF: 1220.7/33

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.661+/-0.195 χ^2/NDF: 653.1/36

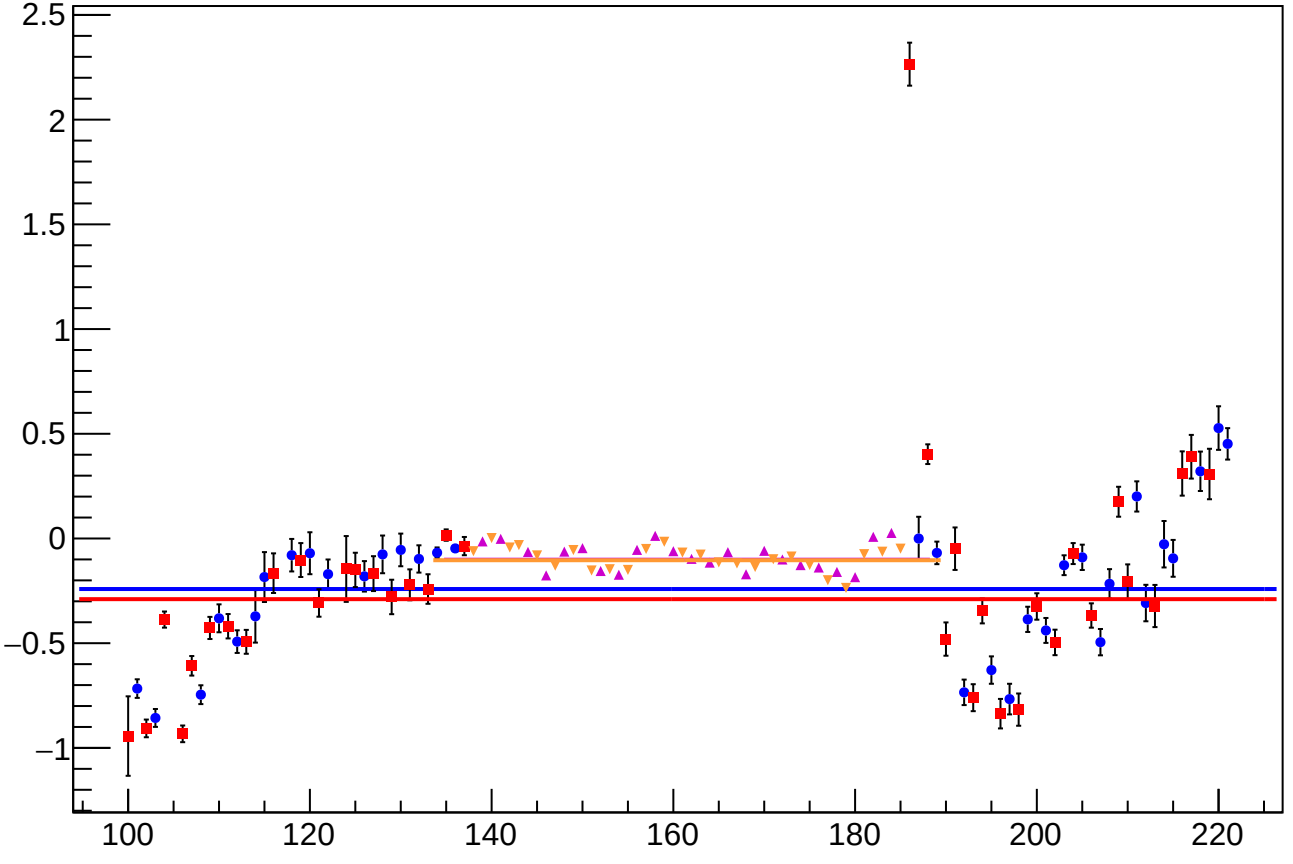
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.505+/-0.048 χ^2/NDF: 2567.7/58

All: 21.613+/-0.034 χ^2/NDF: 4404.8/118

- sign 21.721+/-0.048 χ^2/NDF: 1826.9/59

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.241+/-0.009 χ^2/NDF: 1067.6/33

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.290+/-0.010 χ^2/NDF: 1923.0/36

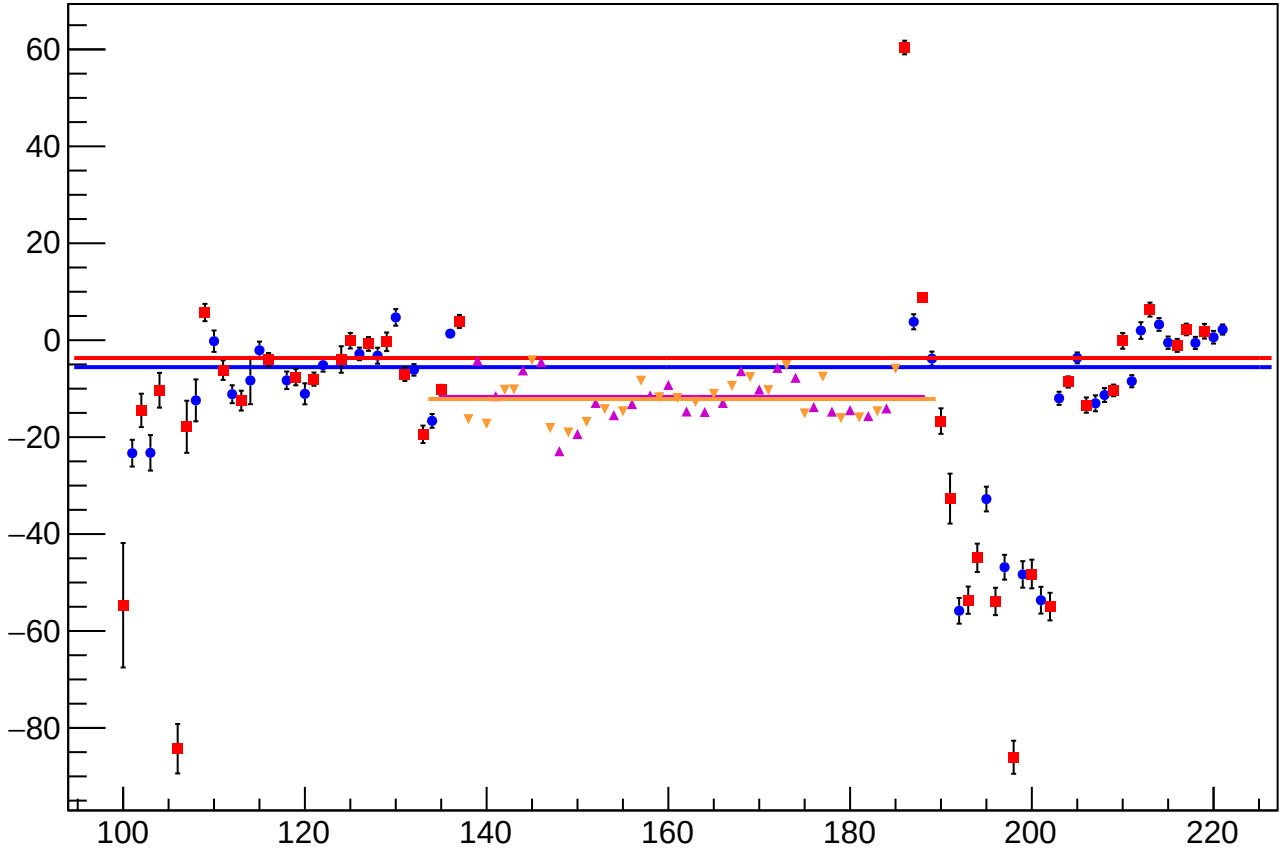
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1814.9/58

All: -0.111+/-0.002 χ^2/NDF: 4839.0/118

- sign -0.110+/-0.002 χ^2/NDF: 3024.1/59

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -5.561+/-0.259 χ^2/NDF: 1859.3/33

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

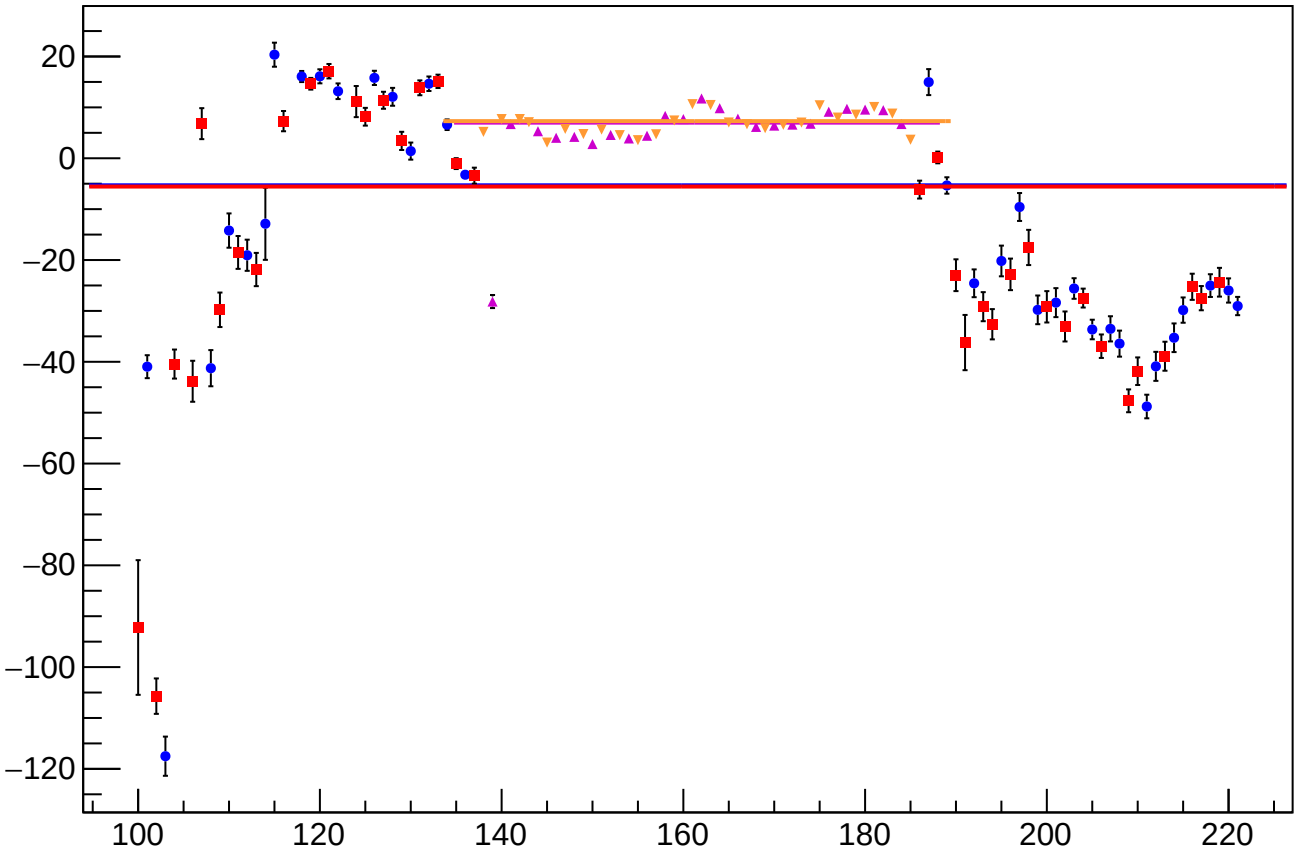
Right Out: -3.676+/-0.275 χ^2/NDF: 5008.6/36

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

\+ sign -11.411+/-0.086 χ^2/NDF: 4564.8/58

All: -11.141+/-0.062 χ^2/NDF: 12308.6/118

\- sign -10.852+/-0.089 χ^2/NDF: 7723.4/59



Right In: -5.311+/-0.316 χ^2/NDF: 4713.0/33

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -5.560+/-0.336 χ^2/NDF: 4096.5/36

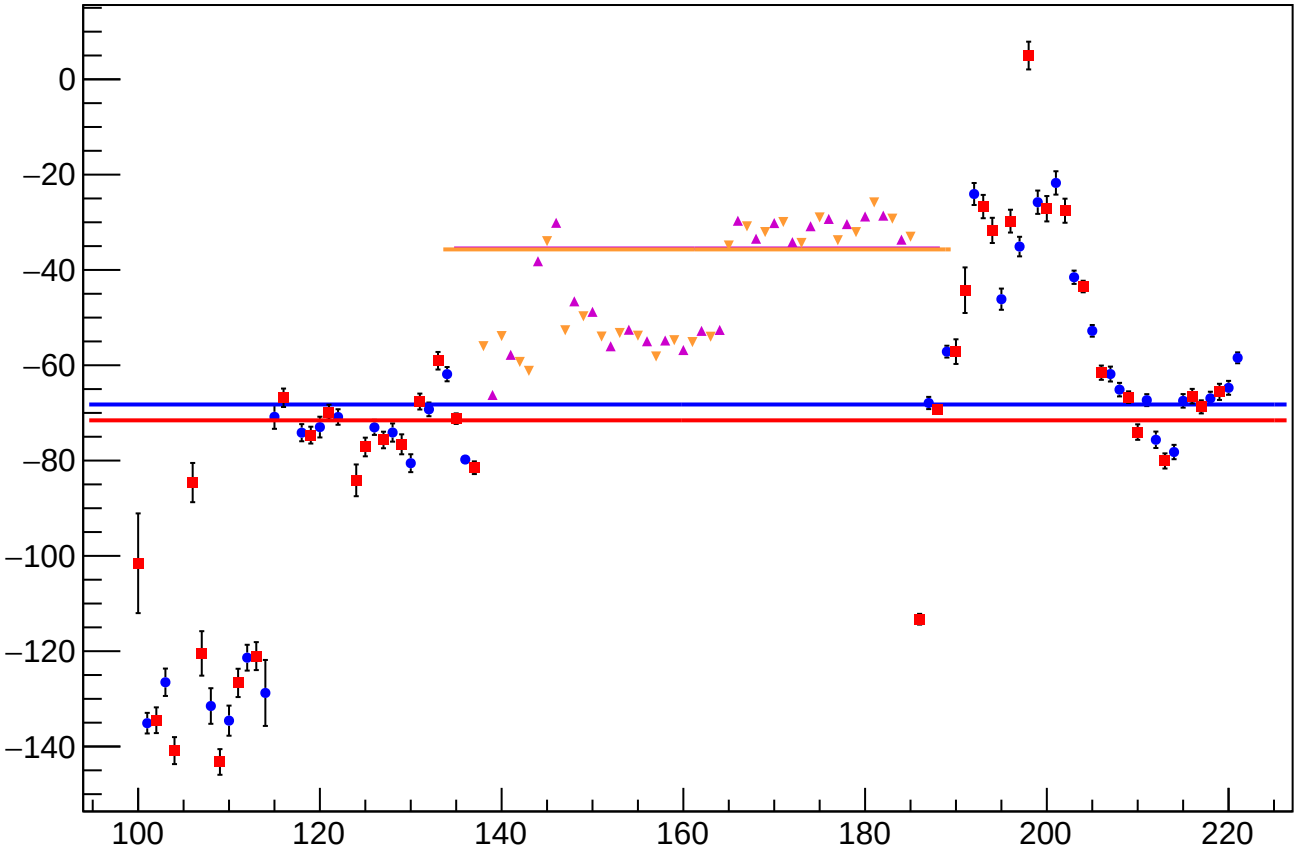
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.625+/-0.073 χ^2/NDF: 7044.0/58

All: 6.511+/-0.052 χ^2/NDF: 14049.9/118

- sign 6.393+/-0.074 χ^2/NDF: 7000.9/59

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.233+/-0.270 χ^2/NDF: 5098.5/33

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.560+/-0.280 χ^2/NDF: 7006.6/36

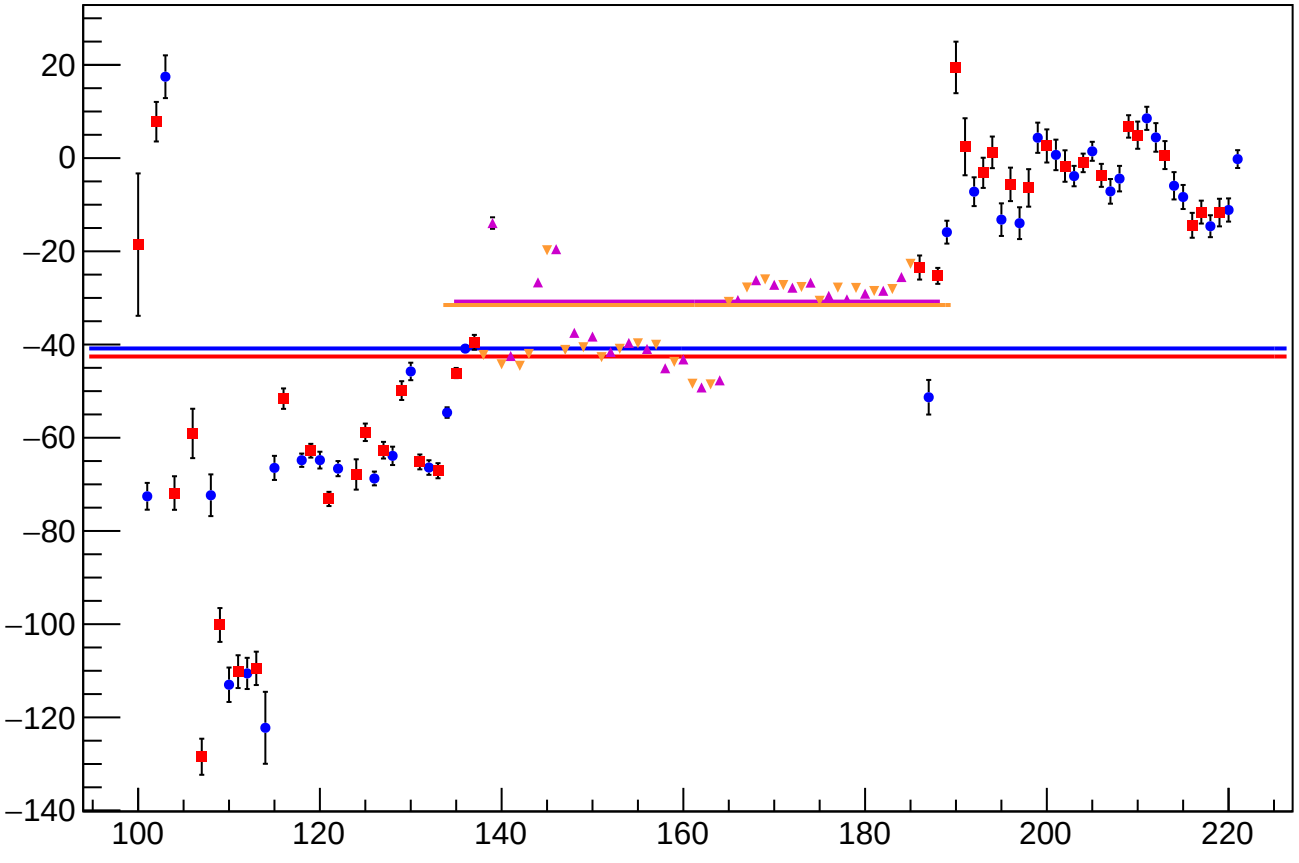
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -39.089+/-0.087 χ^2/NDF: 30878.3/58

All: -39.137+/-0.063 χ^2/NDF: 63924.5/118

- sign -39.188+/-0.090 χ^2/NDF: 33045.5/59

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -40.844+/-0.352 χ^2/NDF: 6380.3/33

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -42.570+/-0.383 χ^2/NDF: 6110.9/36

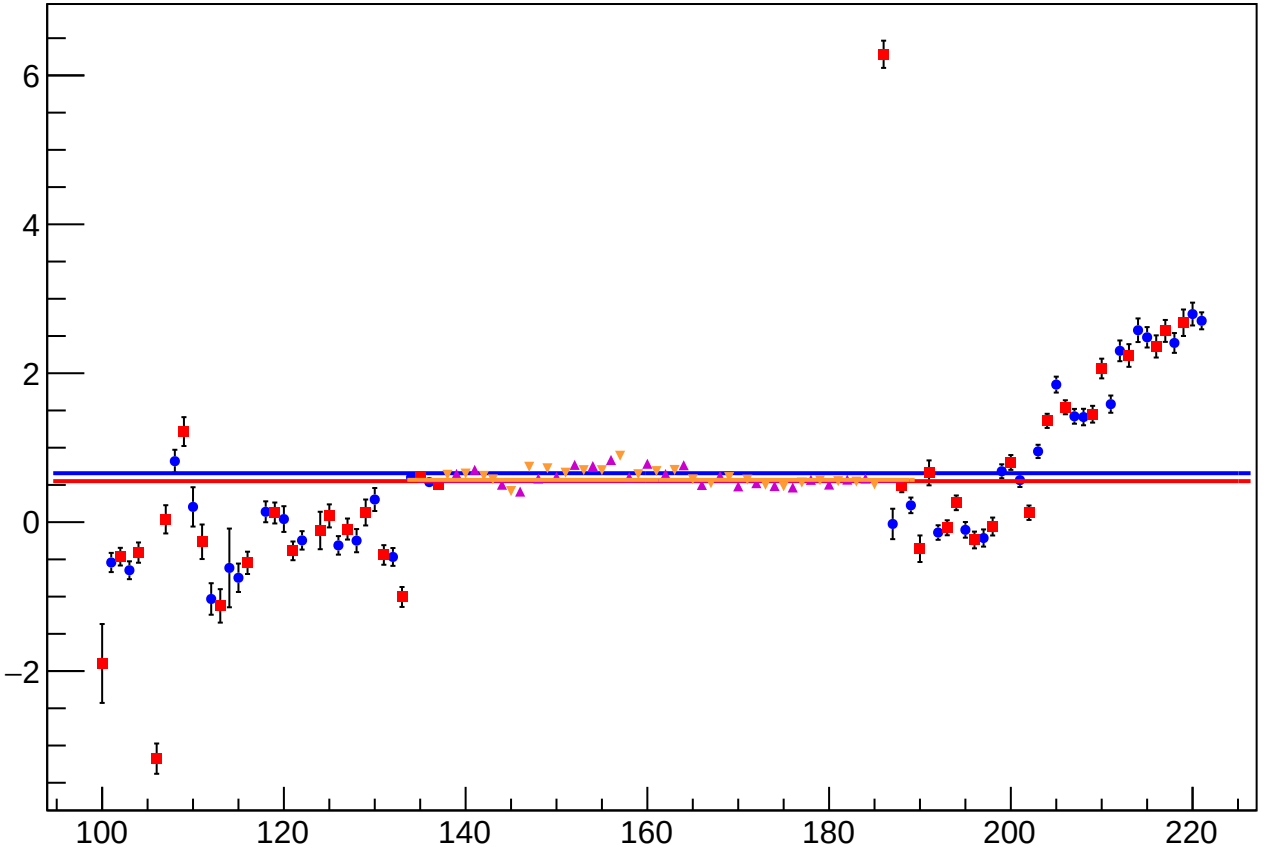
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.010+/-0.081 χ^2/NDF: 15504.5/58

All: -31.678+/-0.058 χ^2/NDF: 30099.5/118

- sign -31.332+/-0.082 χ^2/NDF: 14560.4/59

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.657+/-0.017 χ^2/NDF: 2277.0/33

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.551+/-0.019 χ^2/NDF: 3059.5/36

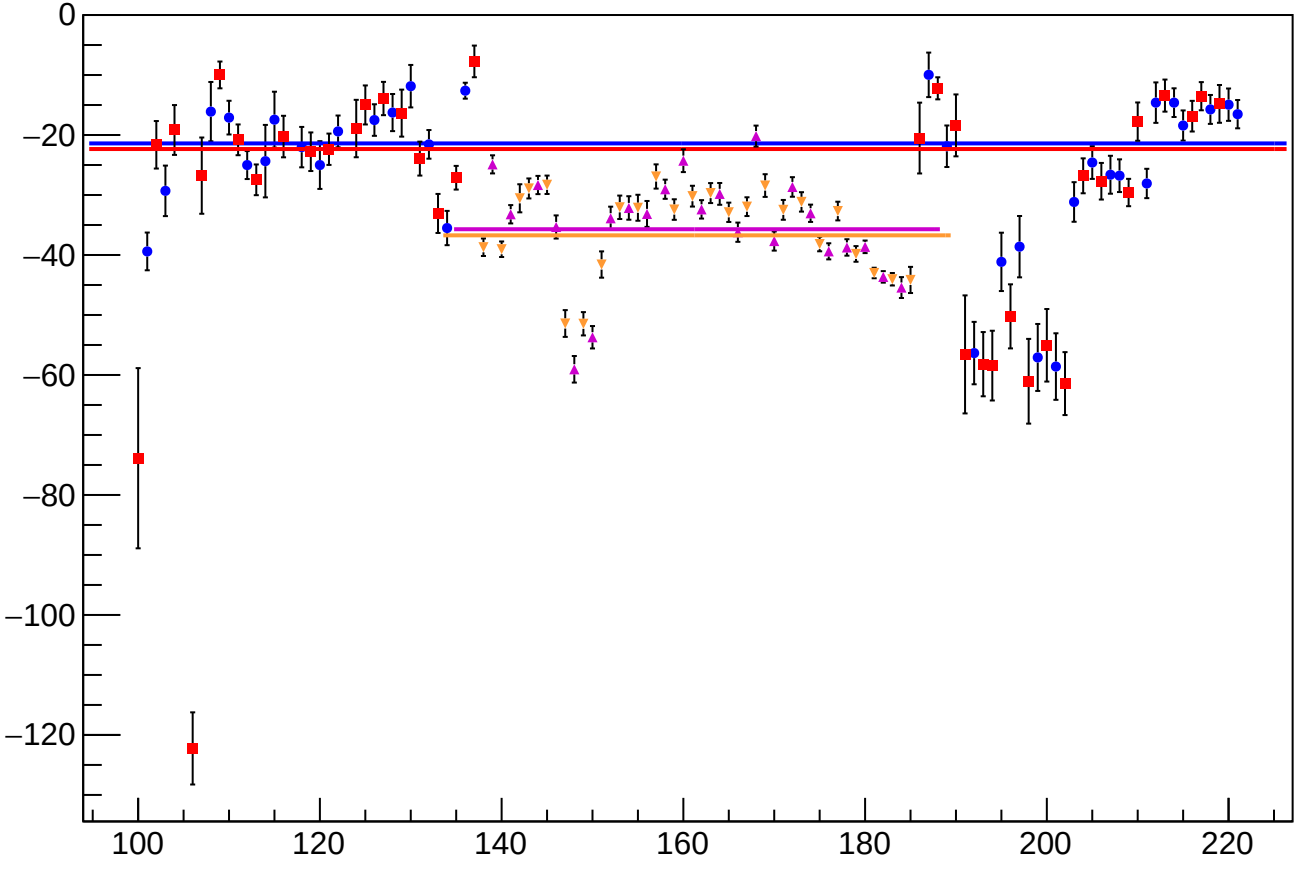
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.572+/-0.004 χ^2/NDF: 2856.6/58

All: 0.566+/-0.003 χ^2/NDF: 6593.7/118

- sign 0.560+/-0.004 χ^2/NDF: 3731.2/59

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.402+/-0.503 χ^2/NDF: 346.6/33

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.338+/-0.526 χ^2/NDF: 710.8/36

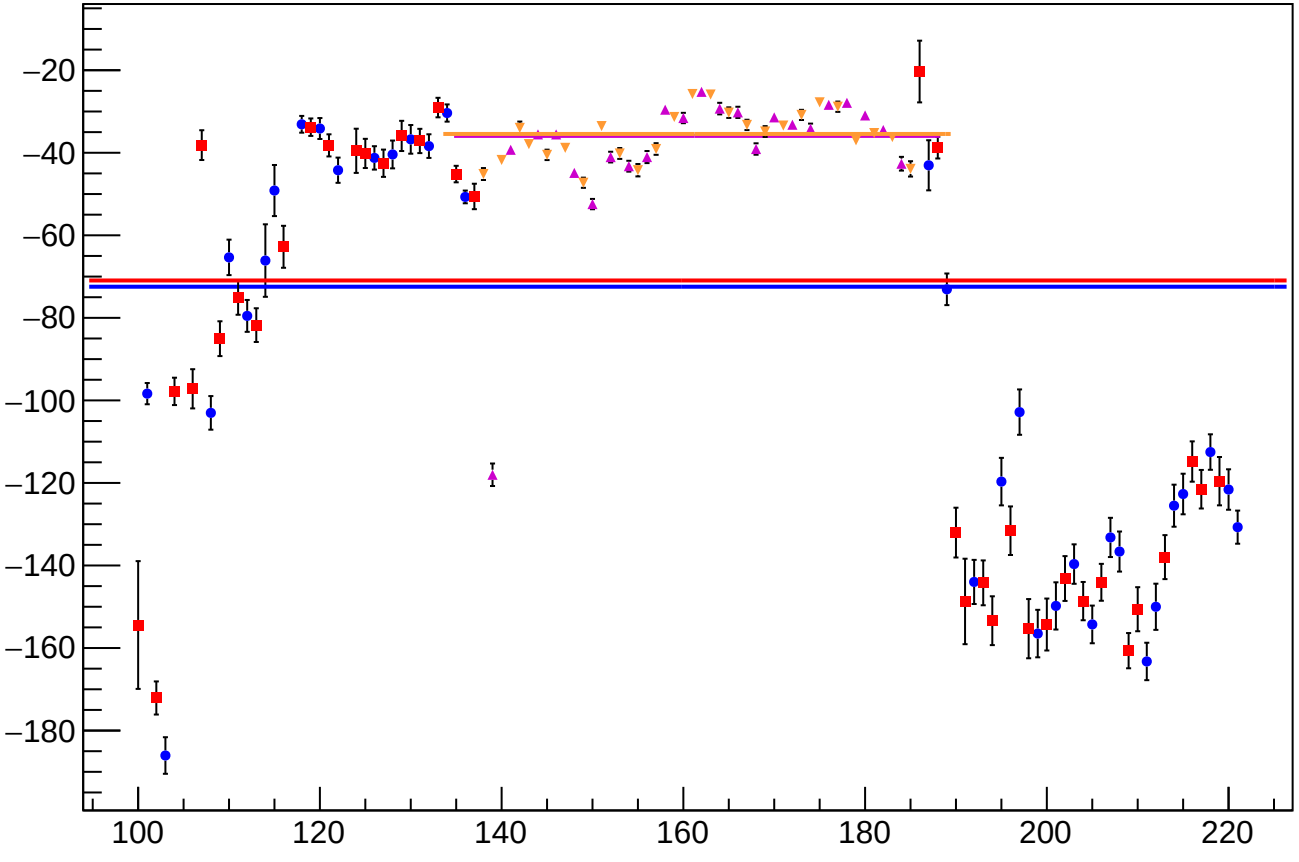
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -32.506+/-0.264 χ^2/NDF: 1439.0/58

All: -32.286+/-0.191 χ^2/NDF: 3198.4/118

- sign -32.046+/-0.275 χ^2/NDF: 1757.9/59

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -72.456+/-0.604 χ^2/NDF: 5346.2/33

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -70.944+/-0.633 χ^2/NDF: 5220.6/36

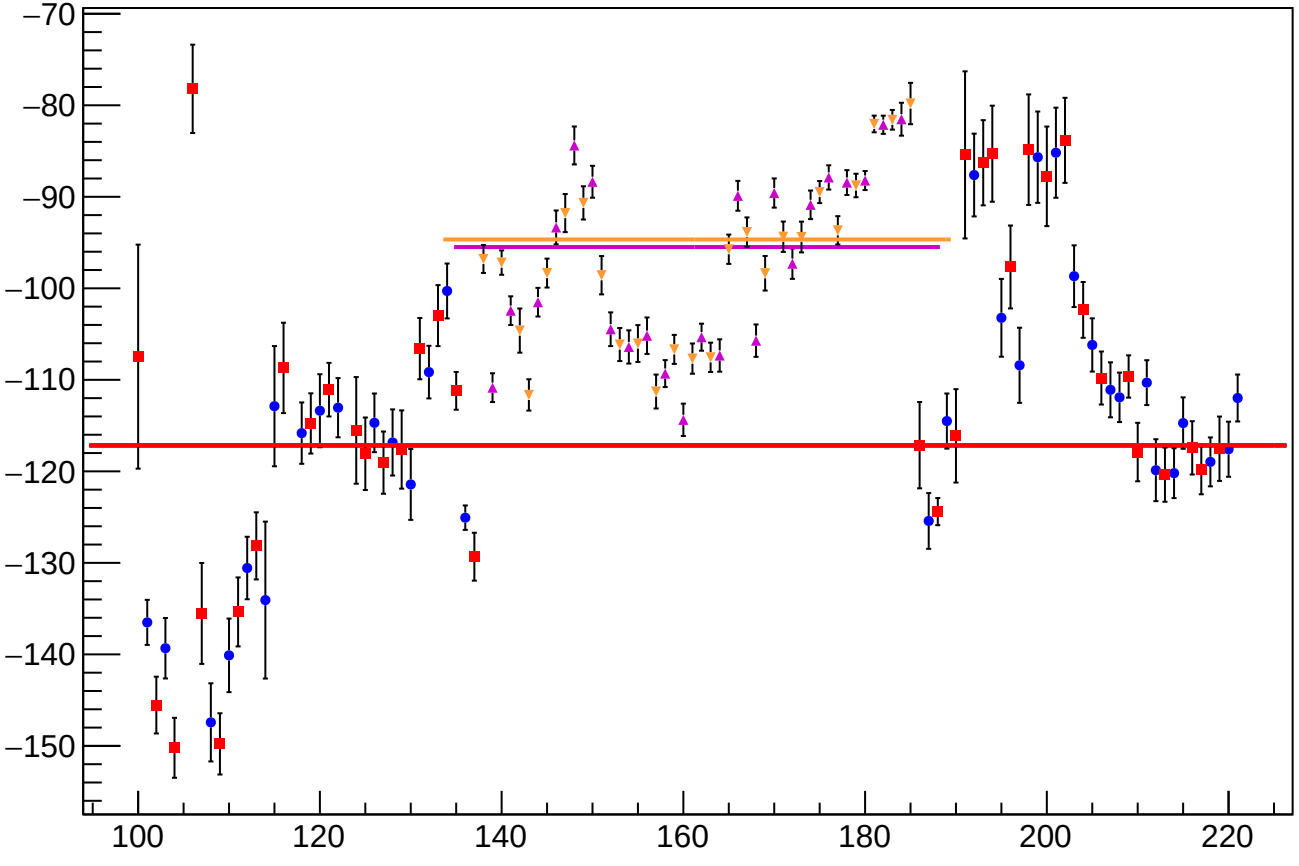
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -40.674+/-0.227 χ^2/NDF: 9113.5/58

All: -40.754+/-0.164 χ^2/NDF: 18508.6/118

- sign -40.840+/-0.237 χ^2/NDF: 9394.8/59

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.196+/-0.526 χ^2/NDF: 503.4/33

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.127+/-0.550 χ^2/NDF: 743.3/36

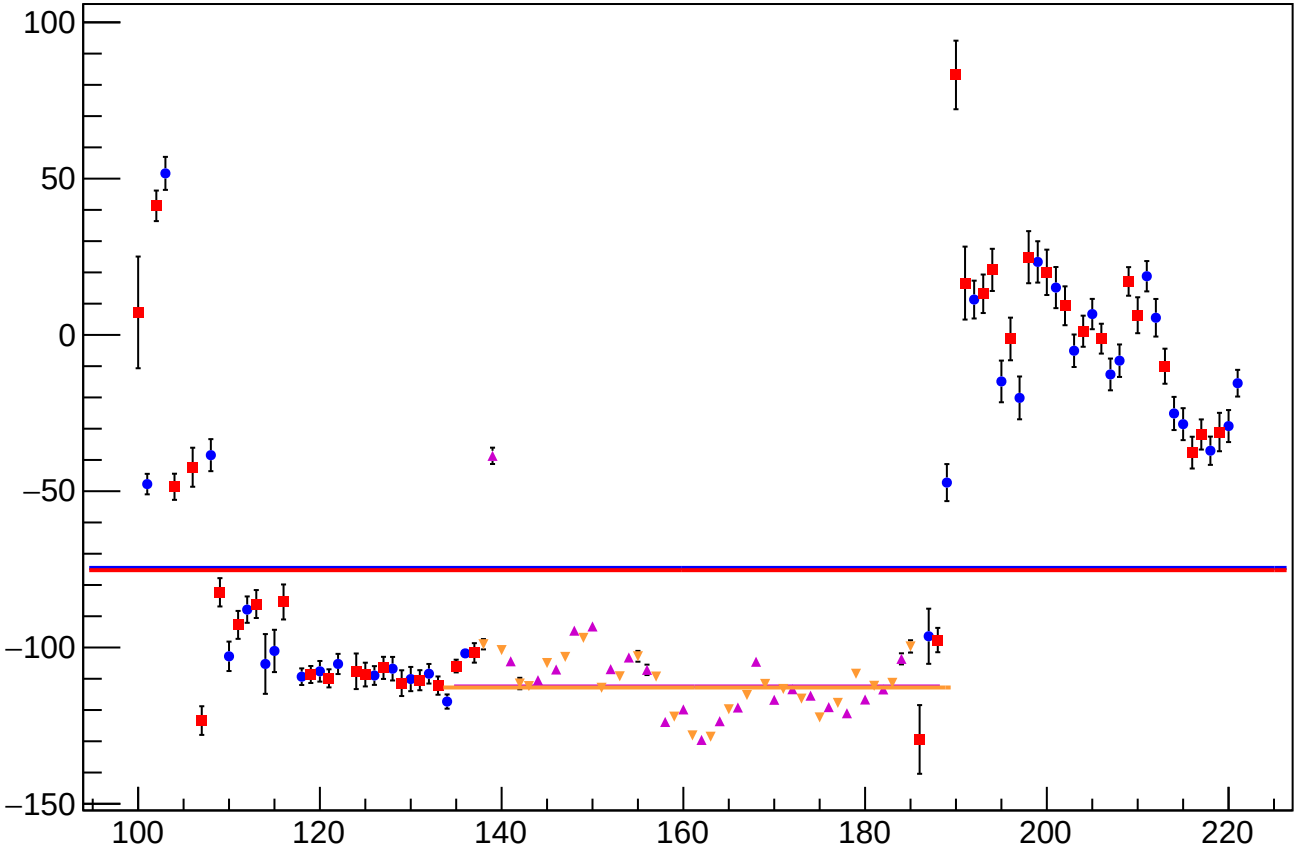
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -100.464+/-0.267 χ^2/NDF: 2765.2/58

All: -100.719+/-0.192 χ^2/NDF: 5635.4/118

- sign -100.995+/-0.277 χ^2/NDF: 2868.3/59

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -74.536+/-0.676 χ^2/NDF: 4792.3/33

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -75.259+/-0.720 χ^2/NDF: 4698.0/36

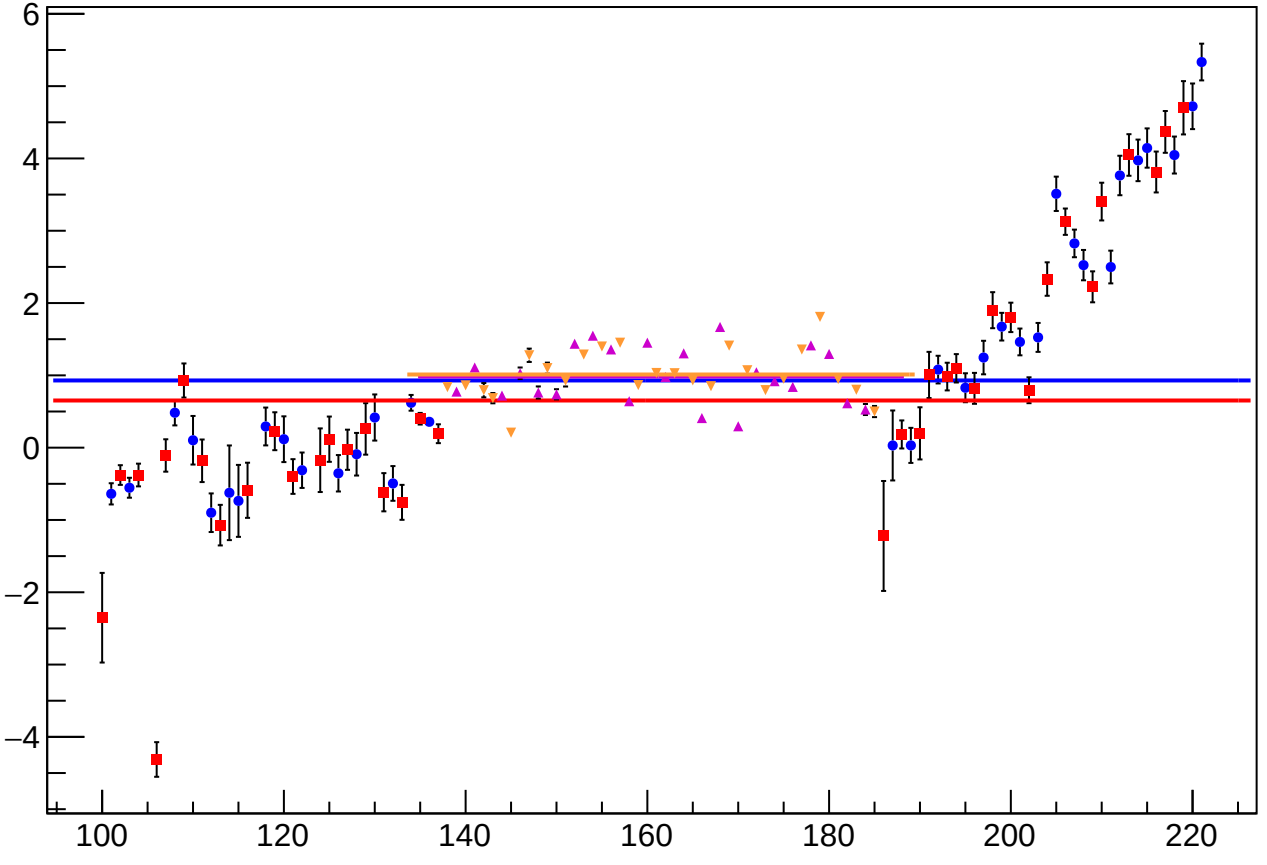
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -107.392+/-0.254 χ^2/NDF: 8481.0/58

All: -107.410+/-0.183 χ^2/NDF: 17277.1/118

- sign -107.430+/-0.265 χ^2/NDF: 8796.1/59

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.929+/-0.033 χ^2/NDF: 1837.9/33

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.652+/-0.035 χ^2/NDF: 1770.7/36

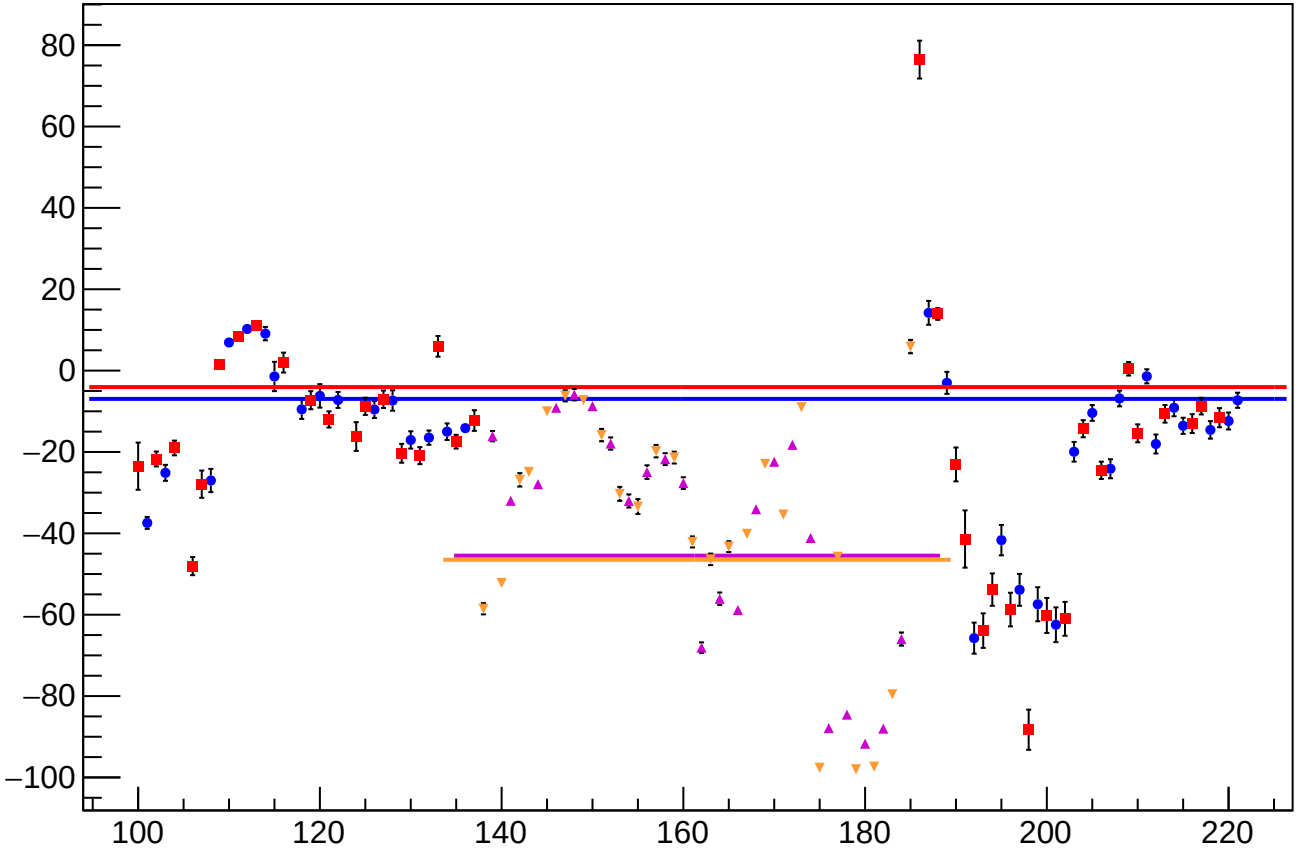
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 1.002+/-0.011 χ^2/NDF: 2534.6/58

All: 0.975+/-0.008 χ^2/NDF: 5296.5/118

- sign 0.946+/-0.012 χ^2/NDF: 2750.6/59

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.950+/-0.313 χ^2/NDF: 2597.0/33

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -4.046+/-0.295 χ^2/NDF: 3452.0/36

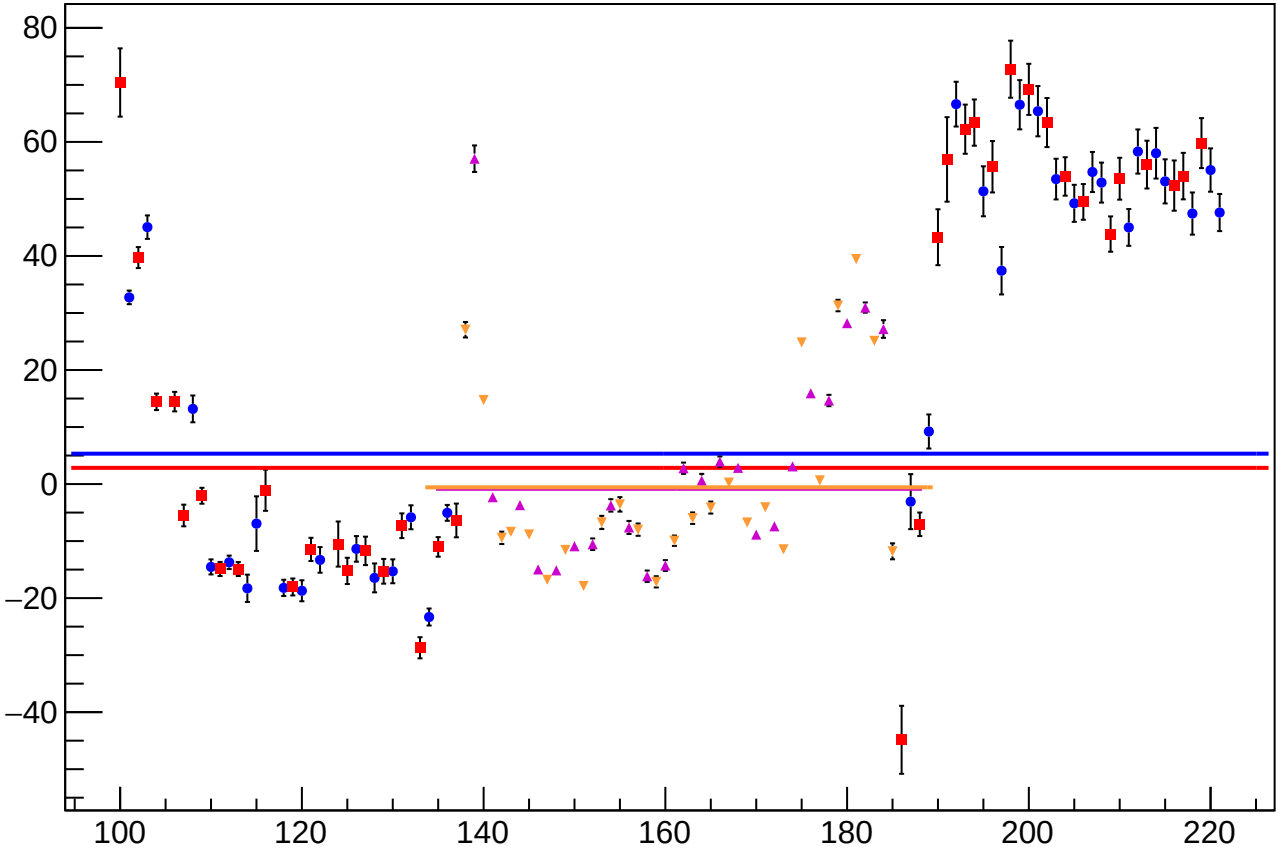
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -32.602+/-0.185 χ^2/NDF: 33019.4/58

All: -30.882+/-0.131 χ^2/NDF: 64185.6/118

- sign -29.167+/-0.185 χ^2/NDF: 30994.2/59

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 5.330+/-0.387 χ^2/NDF: 5344.9/33

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

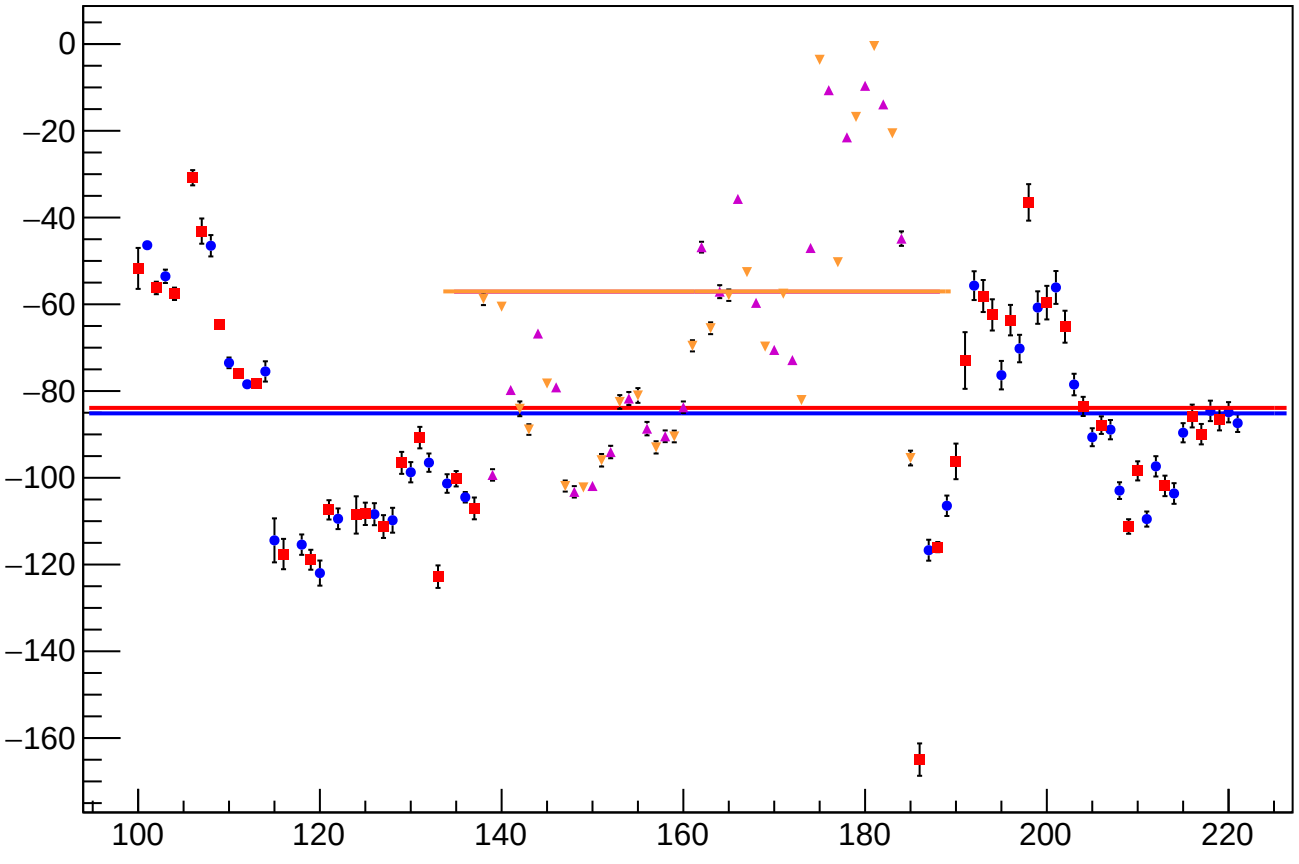
Right Out: 2.841+/-0.383 χ^2/NDF: 4700.5/36

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign 0.451+/-0.161 χ^2/NDF: 13988.6/58

All: 0.160+/-0.115 χ^2/NDF: 24887.2/118

- sign -0.145+/-0.165 χ^2/NDF: 10891.9/59



Right In: -85.146+/-0.346 χ^2/NDF: 3808.7/33

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.884+/-0.338 χ^2/NDF: 5297.7/36

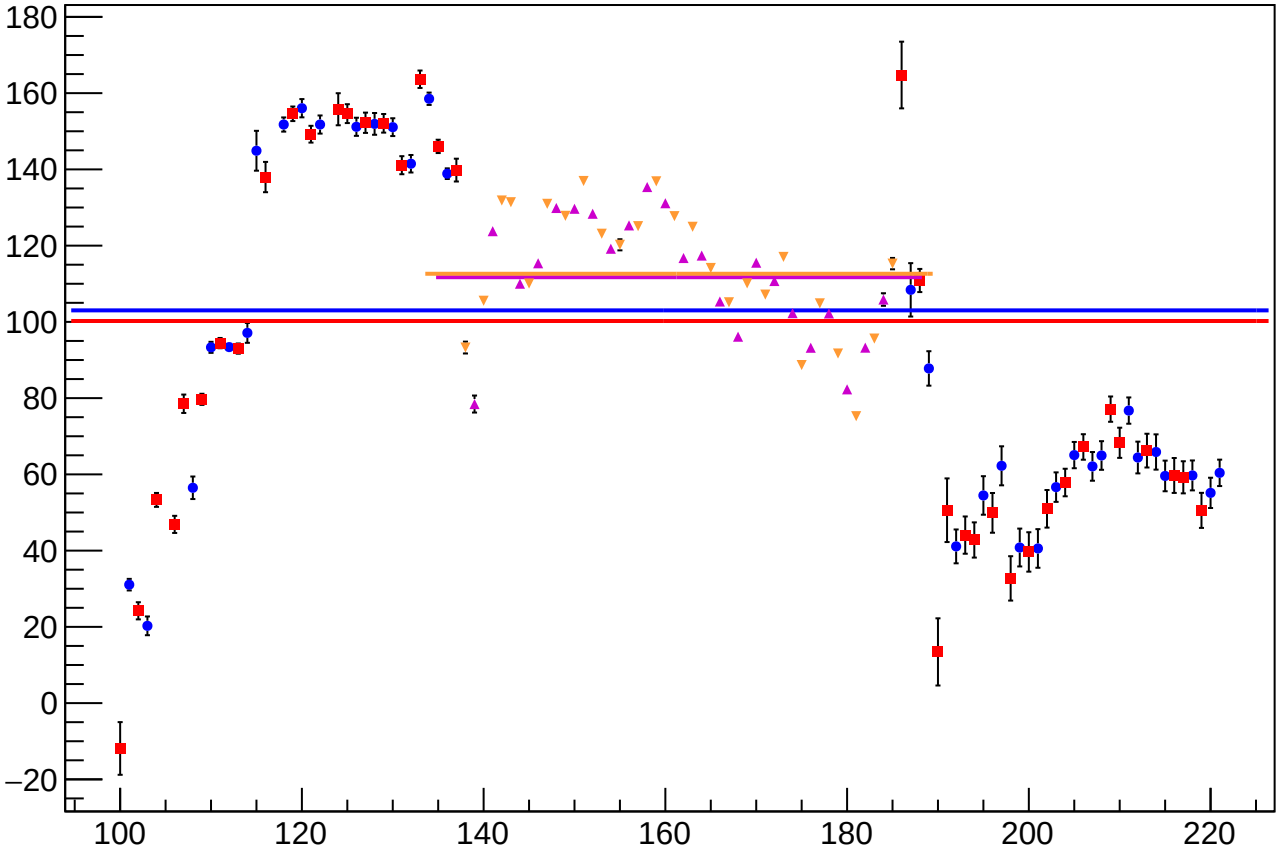
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -65.631+/-0.192 χ^2/NDF: 28695.2/58

All: -65.756+/-0.136 χ^2/NDF: 55370.9/118

- sign -65.885+/-0.194 χ^2/NDF: 26674.8/59

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 103.020+/-0.438 χ^2/NDF: 10533.4/33

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.233+/-0.436 χ^2/NDF: 9423.4/36

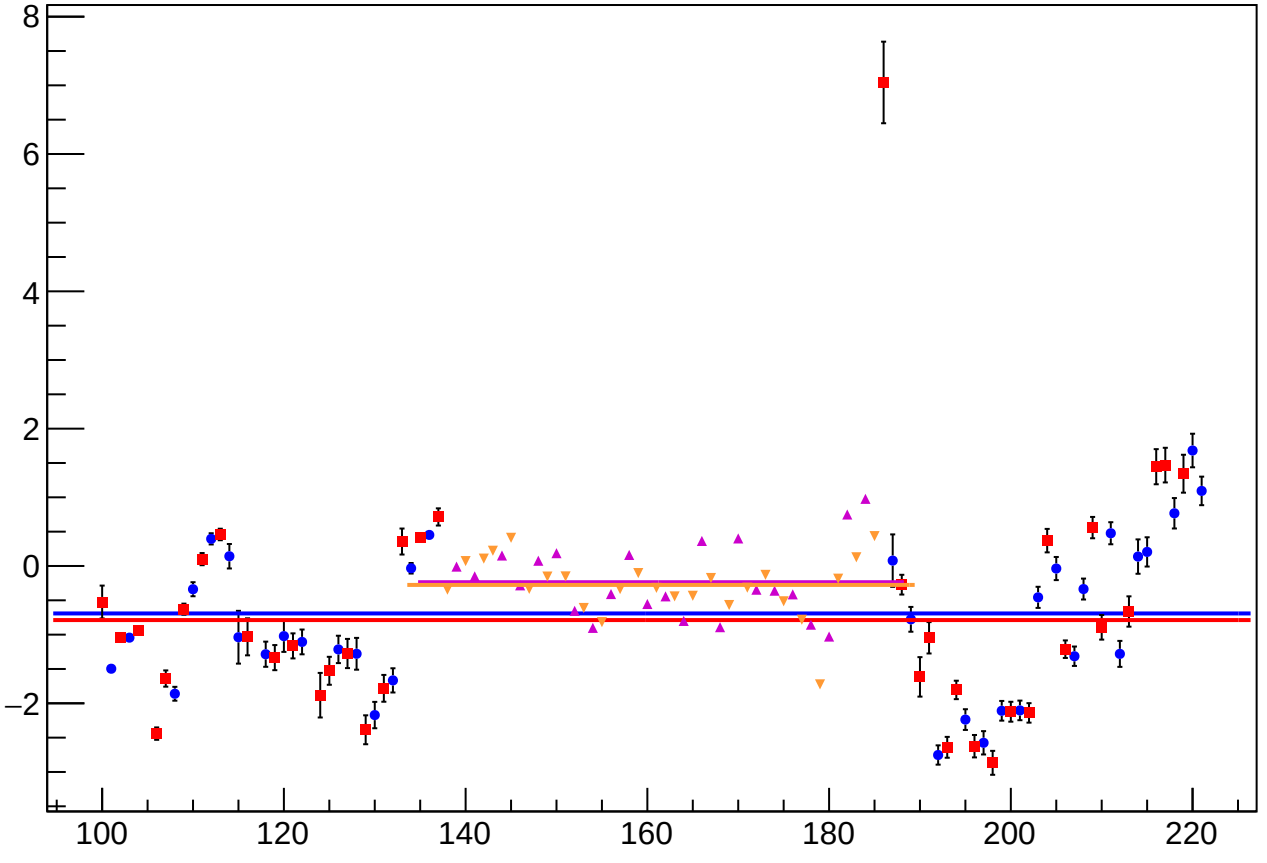
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 110.968+/-0.182 χ^2/NDF: 17639.4/58

All: 110.312+/-0.130 χ^2/NDF: 32553.4/118

- sign 109.624+/-0.186 χ^2/NDF: 14887.3/59

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691+/-0.022 χ^2/NDF: 2107.5/33

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.788+/-0.022 χ^2/NDF: 2537.8/36

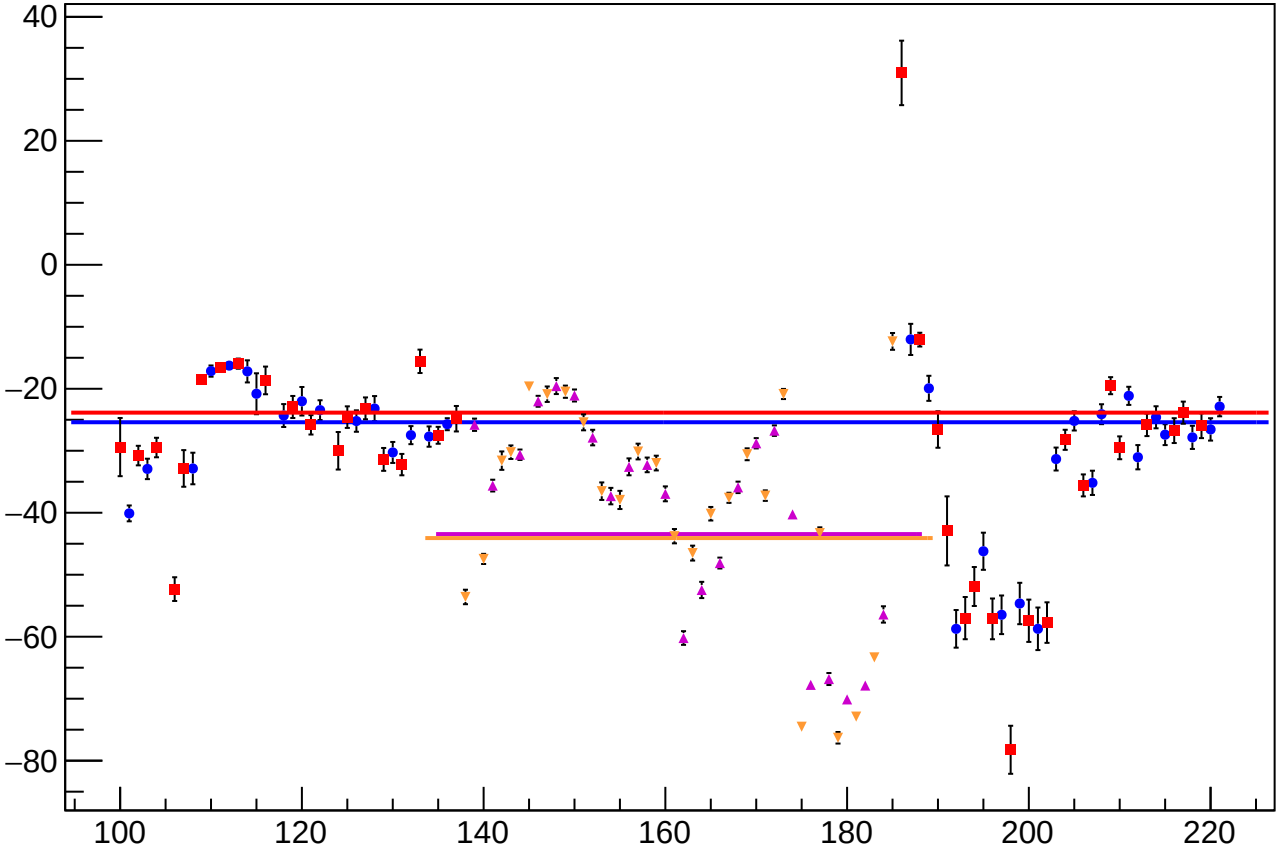
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.336+/-0.008 χ^2/NDF: 4540.2/58

All: -0.329+/-0.006 χ^2/NDF: 10595.0/118

- sign -0.321+/-0.008 χ^2/NDF: 6053.2/59

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.400+/-0.278 χ^2/NDF: 966.8/33

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.850+/-0.269 χ^2/NDF: 1562.0/36

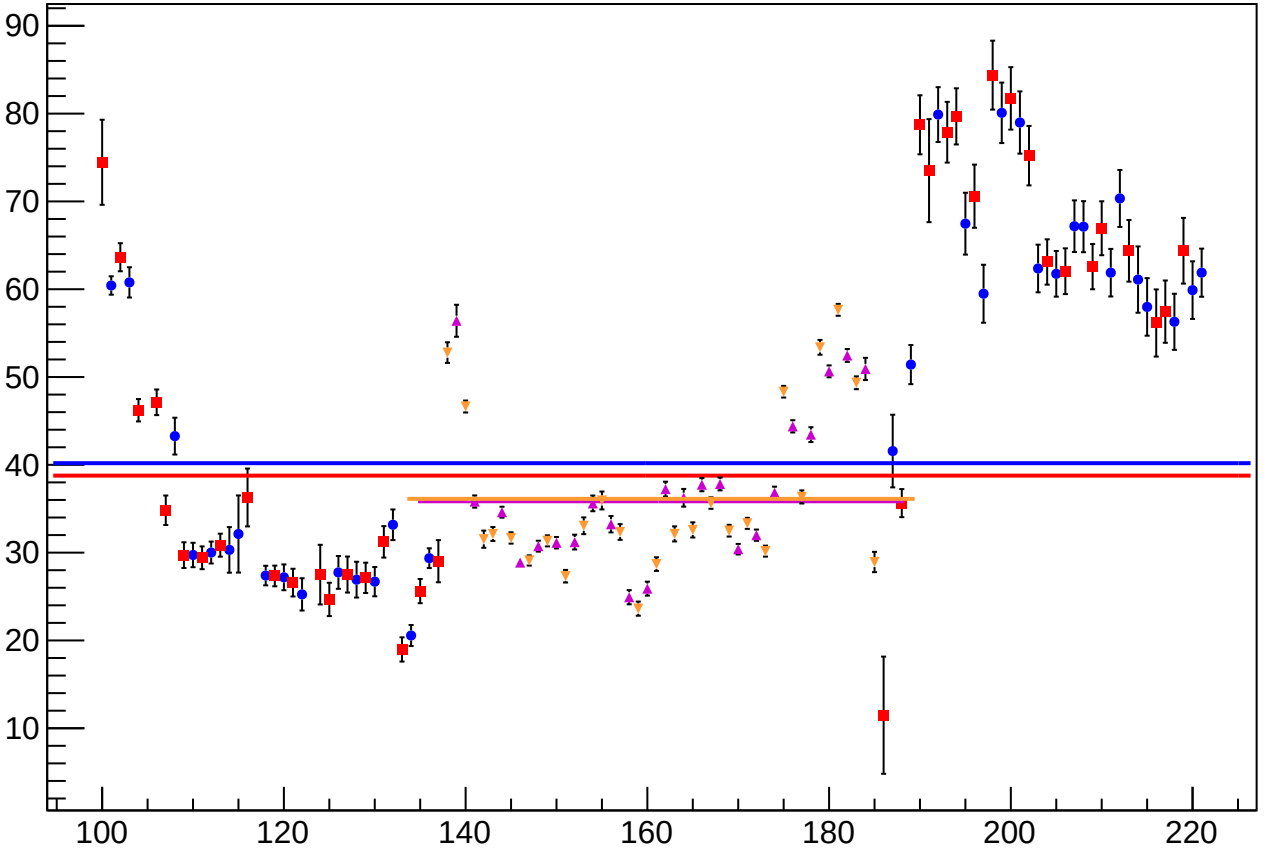
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -38.020+/-0.159 χ^2/NDF: 14350.3/58

All: -37.279+/-0.113 χ^2/NDF: 27208.9/118

\- sign -36.527+/-0.160 χ^2/NDF: 12814.7/59

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 40.189+/-0.333 χ^2/NDF: 2640.3/33

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.771+/-0.332 χ^2/NDF: 2572.6/36

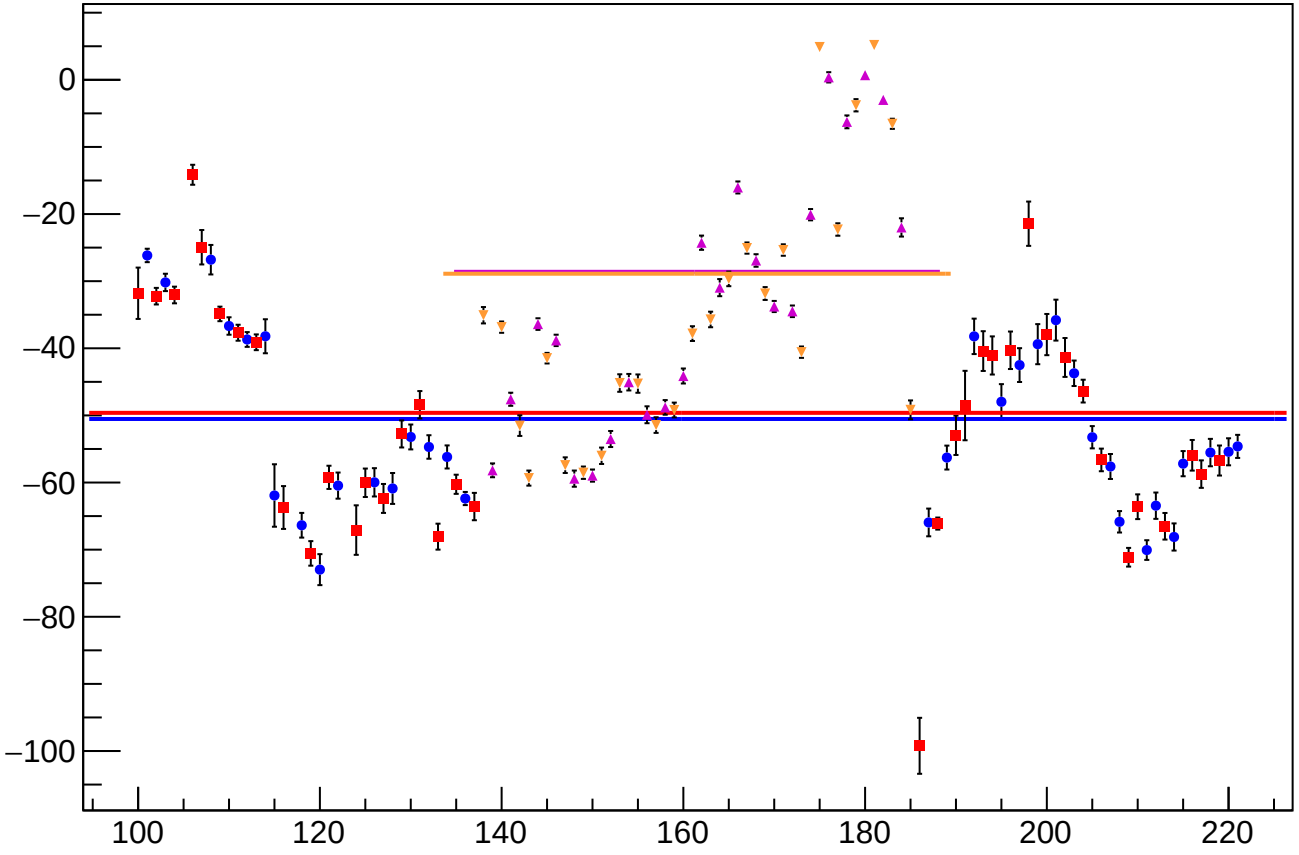
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.810+/-0.137 χ^2/NDF: 6323.0/58

All: 36.598+/-0.098 χ^2/NDF: 11257.6/118

- sign 36.374+/-0.140 χ^2/NDF: 4929.6/59

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -50.532+/-0.299 χ^2/NDF: 2200.4/33

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.617+/-0.295 χ^2/NDF: 2937.3/36

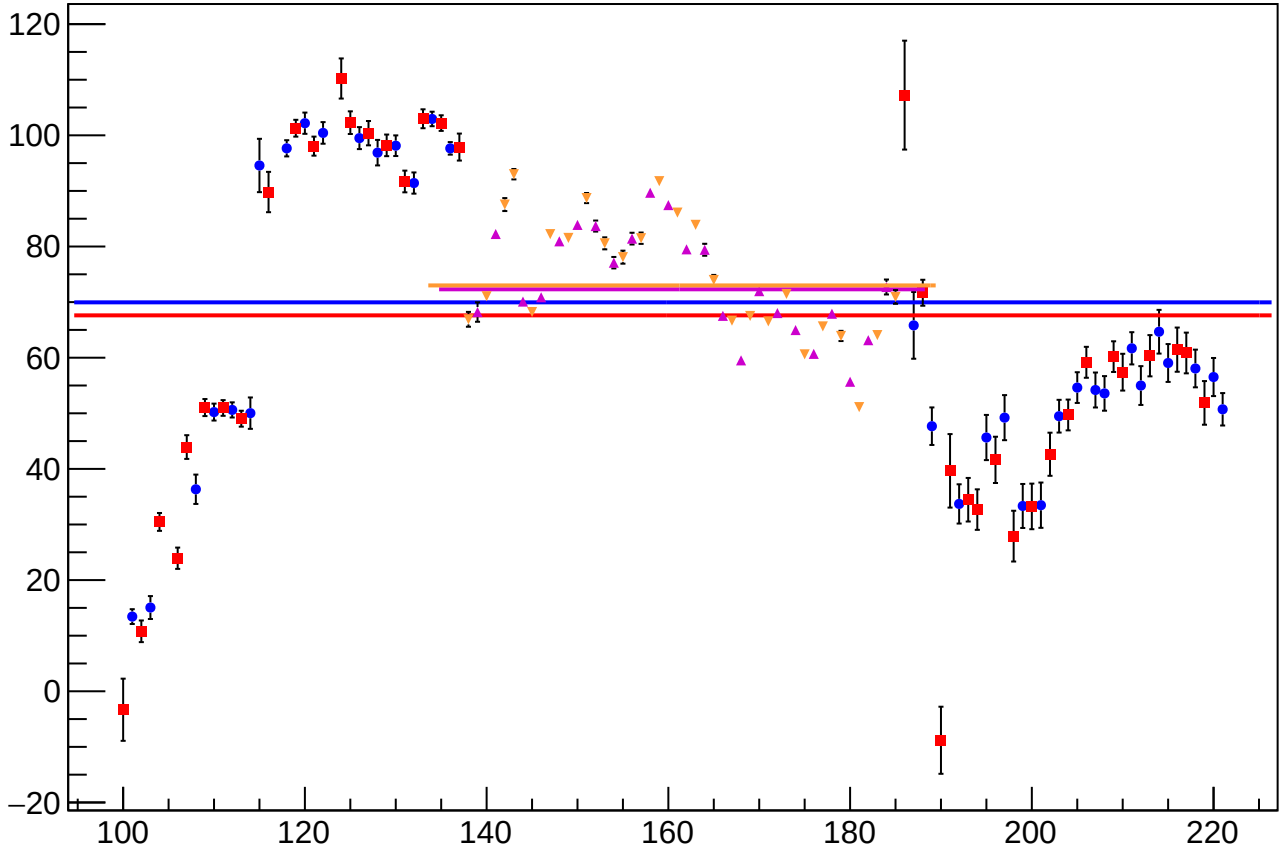
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -35.249+/-0.162 χ^2/NDF: 17701.8/58

All: -35.190+/-0.115 χ^2/NDF: 34158.6/118

\- sign -35.128+/-0.164 χ^2/NDF: 16456.6/59

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 69.957+/-0.378 χ^2/NDF: 6589.0/33

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.617+/-0.381 χ^2/NDF: 6391.3/36

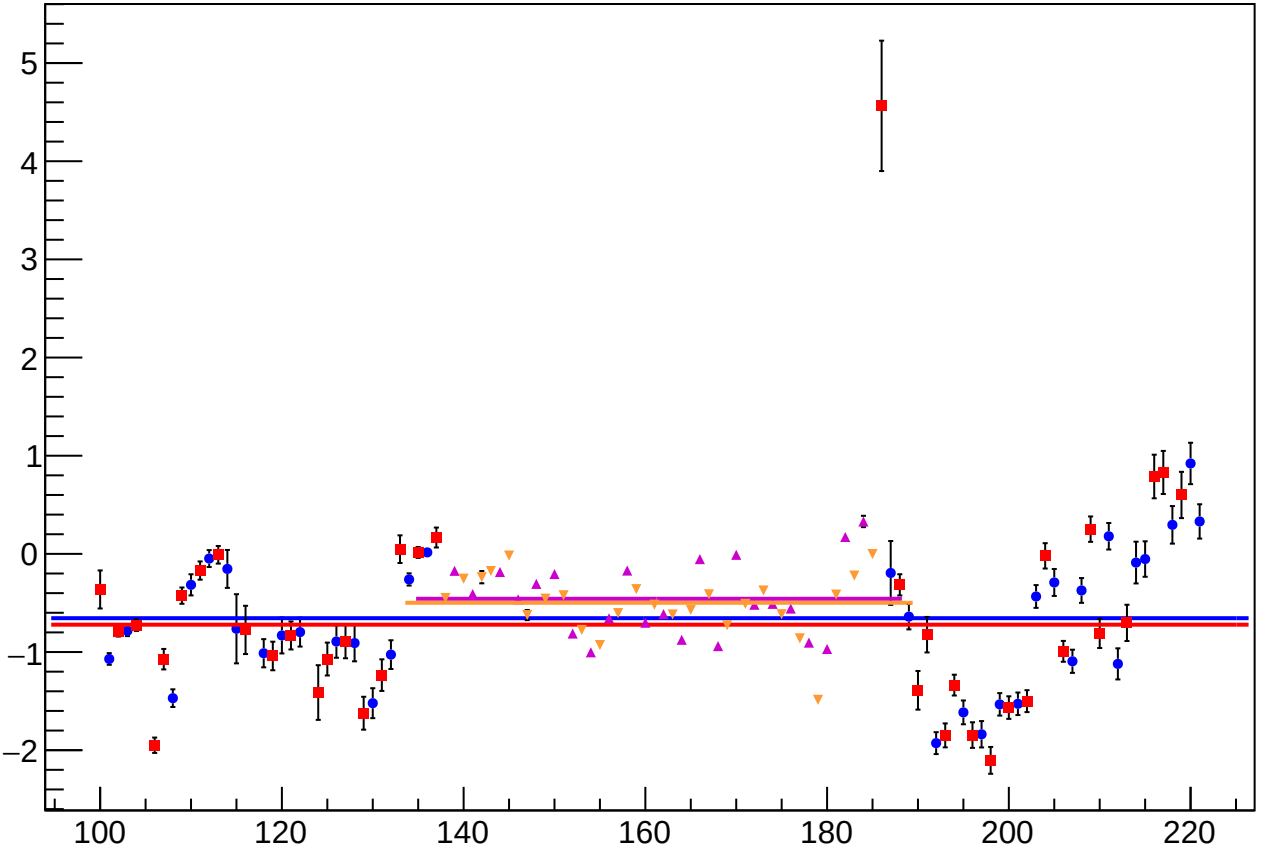
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.497+/-0.154 χ^2/NDF: 10695.6/58

All: 72.010+/-0.110 χ^2/NDF: 20145.3/118

- sign 71.498+/-0.158 χ^2/NDF: 9429.2/59

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.655+/-0.018 χ^2/NDF: 1105.5/33

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.721+/-0.018 χ^2/NDF: 1420.4/36

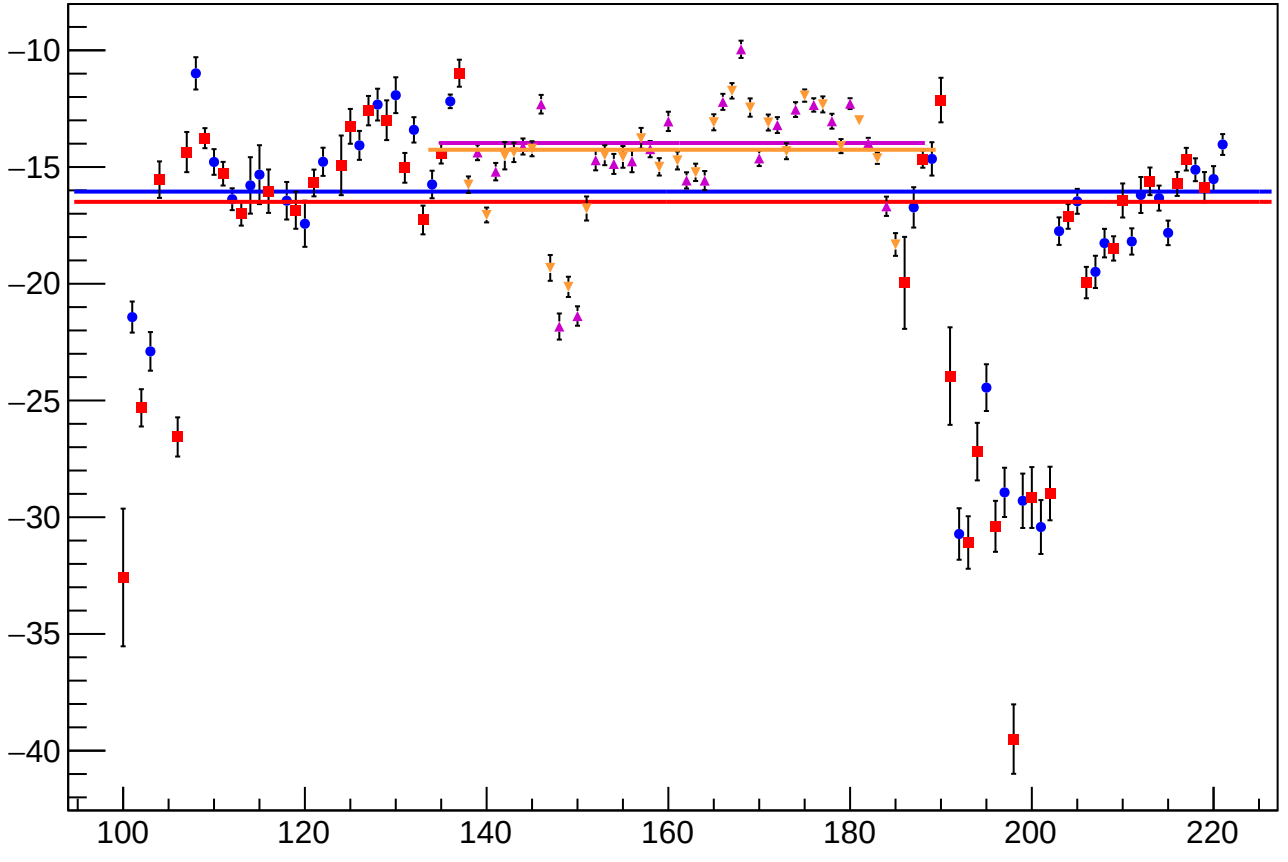
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.521+/-0.007 χ^2/NDF: 2650.6/58

All: -0.509+/-0.005 χ^2/NDF: 6354.5/118

- sign -0.496+/-0.007 χ^2/NDF: 3698.0/59

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.052+/-0.107 χ^2/NDF: 1251.2/33

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.491+/-0.110 χ^2/NDF: 1529.8/36

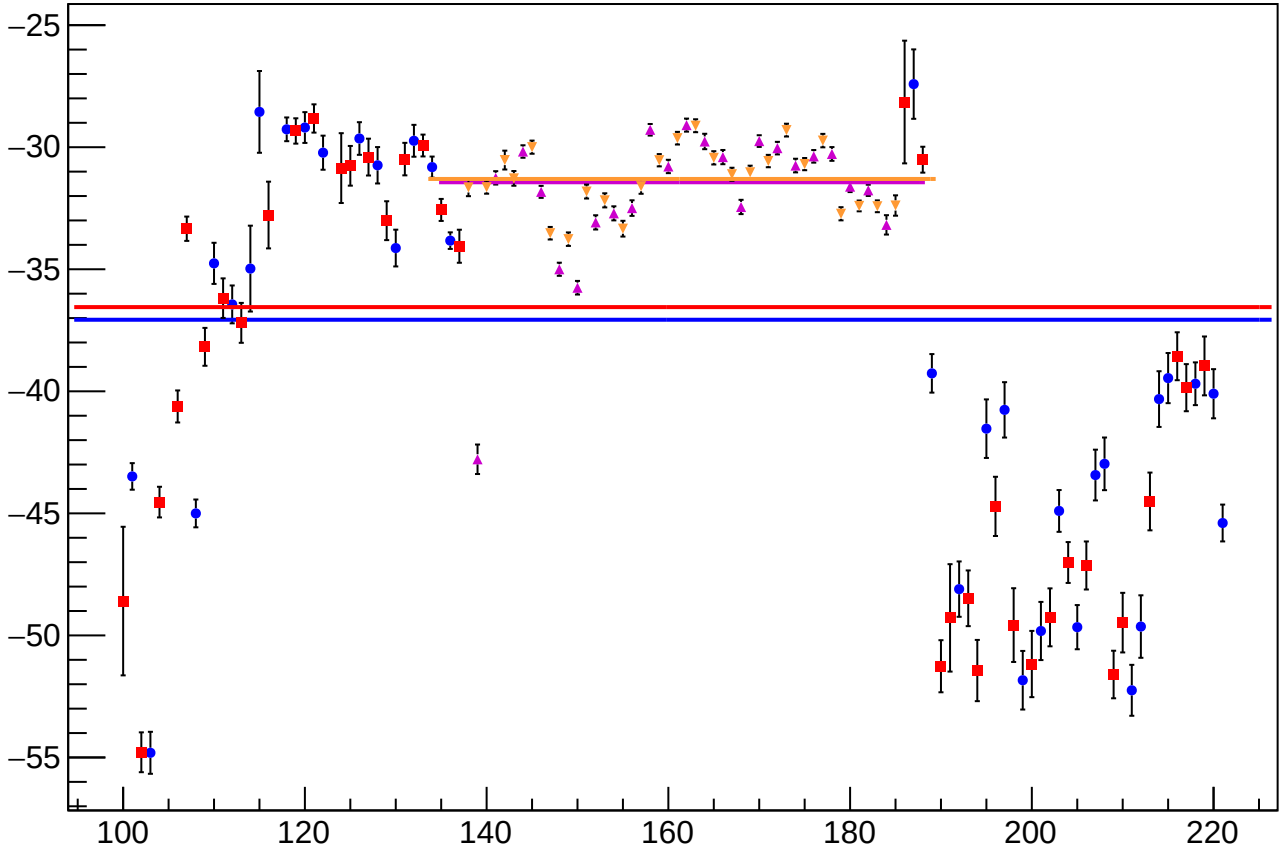
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.796+/-0.058 χ^2/NDF: 2172.8/58

All: -14.760+/-0.042 χ^2/NDF: 4977.8/118

- sign -14.722+/-0.060 χ^2/NDF: 2804.2/59

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -37.068+/-0.129 χ^2/NDF: 3186.8/33

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.550+/-0.131 χ^2/NDF: 3339.6/36

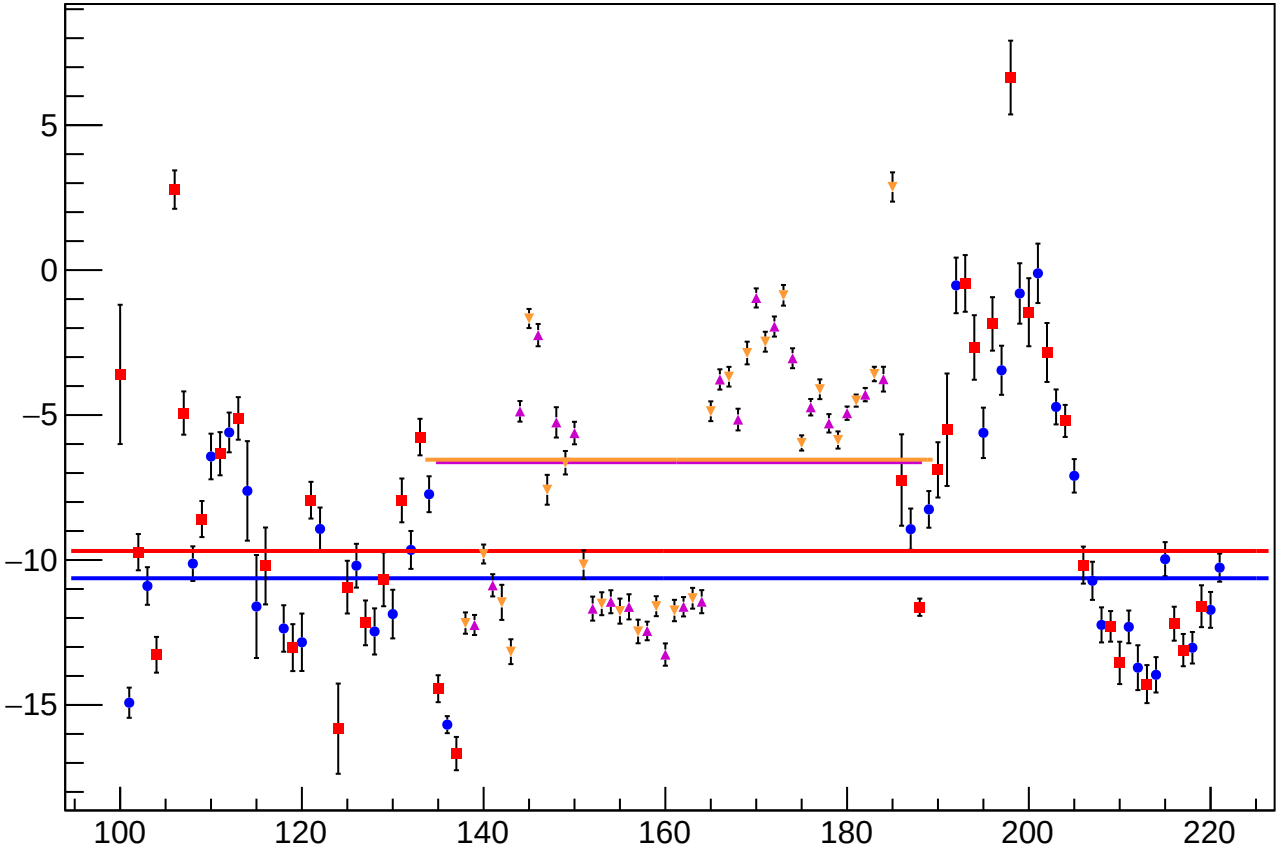
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.193+/-0.051 χ^2/NDF: 5426.5/58

All: -32.224+/-0.036 χ^2/NDF: 11262.8/118

- sign -32.258+/-0.052 χ^2/NDF: 5835.4/59

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.630+/-0.111 χ^2/NDF: 1147.1/33

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

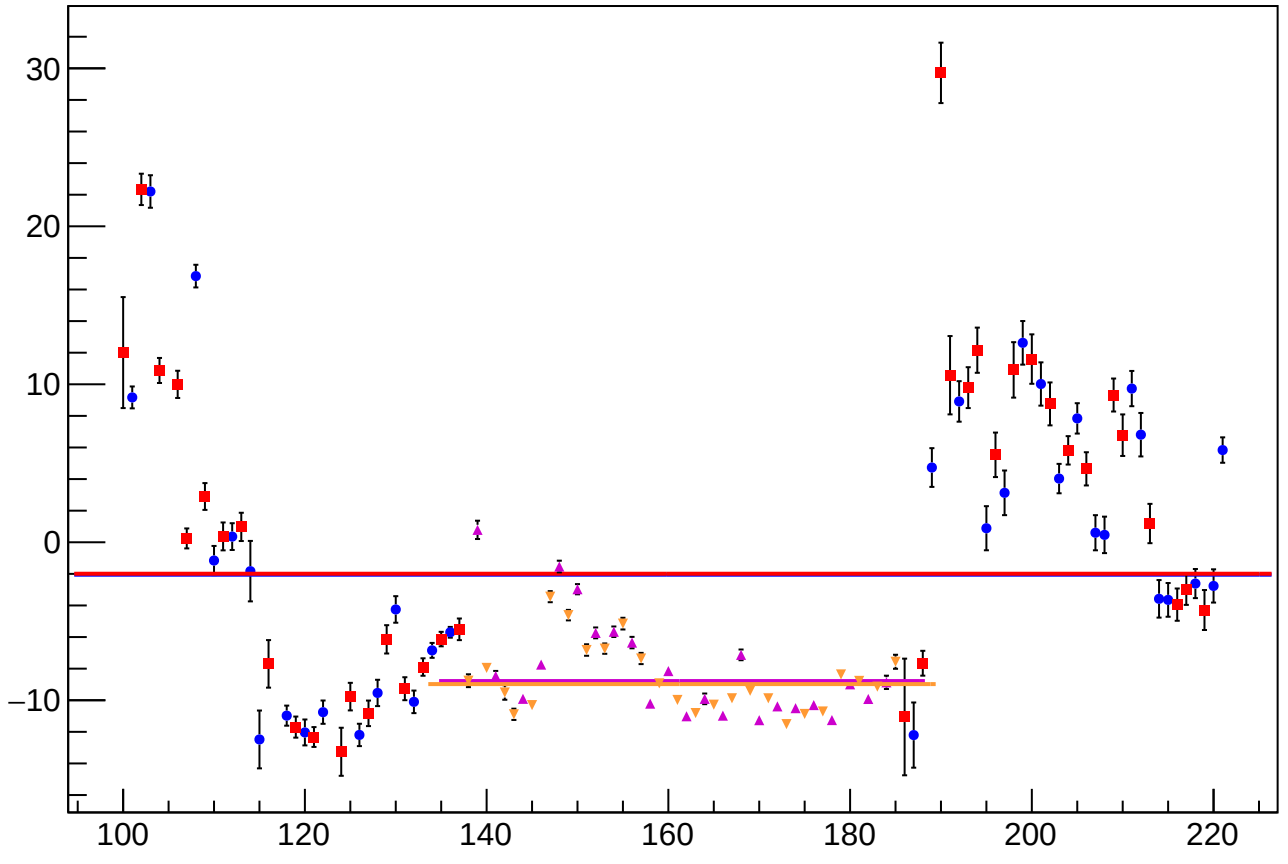
Right Out: -9.689+/-0.114 χ^2/NDF: 1597.2/36

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.687+/-0.059 χ^2/NDF: 5359.7/58

All: -7.589+/-0.042 χ^2/NDF: 10387.7/118

- sign -7.486+/-0.061 χ^2/NDF: 5022.4/59



Right In: -2.052+/-0.145 χ^2/NDF: 3425.3/33

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

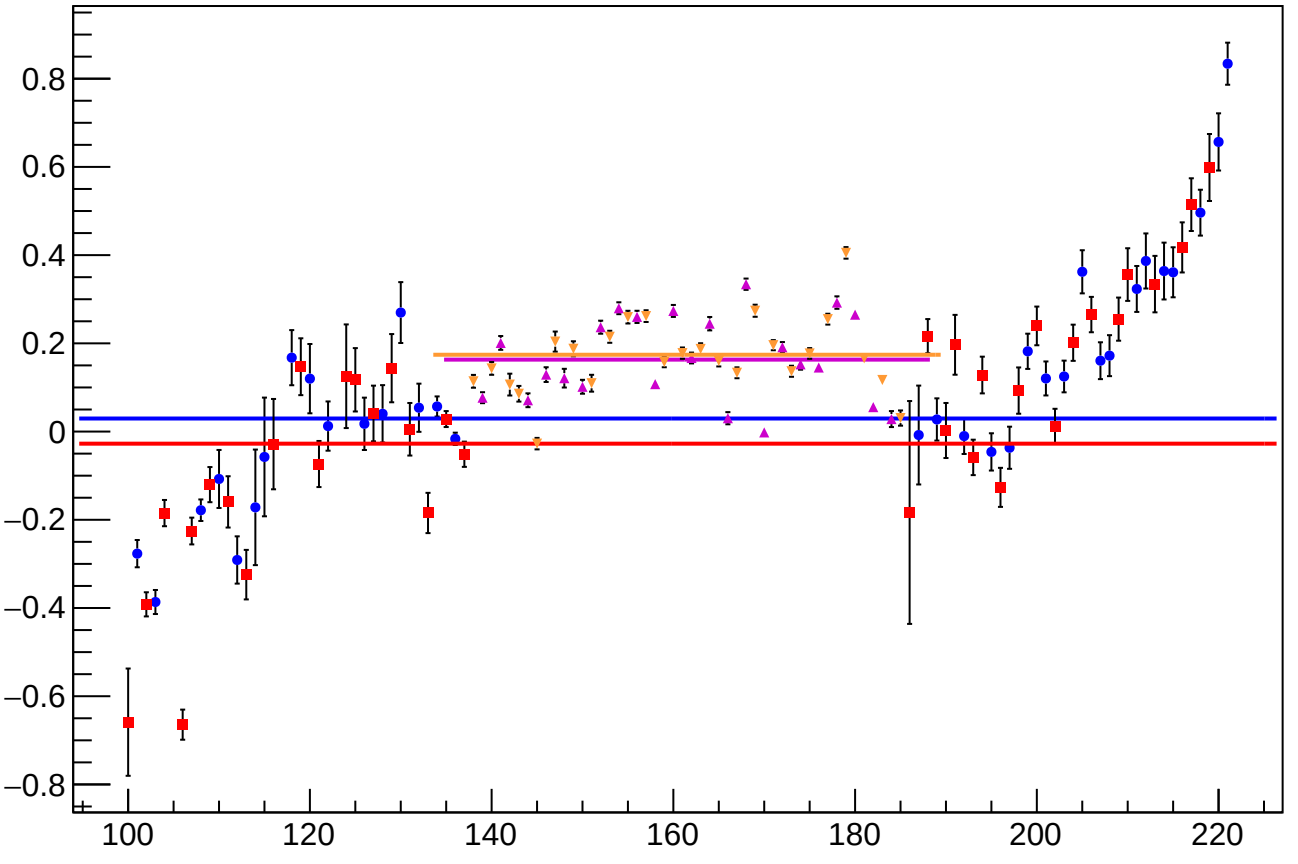
Right Out: -1.992+/-0.151 χ^2/NDF: 3285.1/36

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -7.919+/-0.057 χ^2/NDF: 6337.1/58

All: -7.843+/-0.041 χ^2/NDF: 13040.8/118

- sign -7.761+/-0.058 χ^2/NDF: 6699.9/59



Right In: 0.030+/-0.007 χ^2/NDF: 1160.5/33

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.027+/-0.007 χ^2/NDF: 1220.9/36

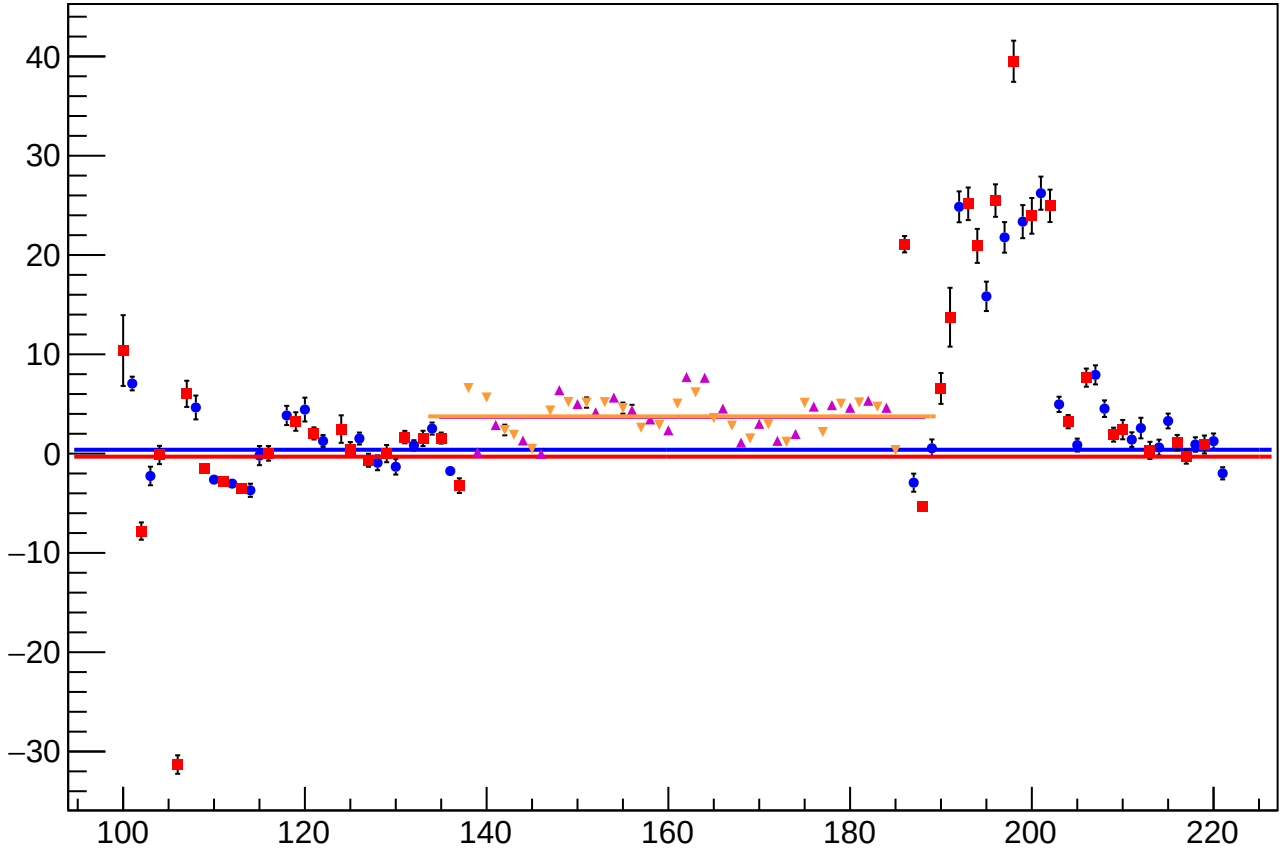
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.154+/-0.003 χ^2/NDF: 2470.9/58

All: 0.146+/-0.002 χ^2/NDF: 5521.3/118

- sign 0.138+/-0.003 χ^2/NDF: 3030.8/59

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.389+/-0.114 χ^2/NDF: 1621.0/33

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.306+/-0.111 χ^2/NDF: 3866.4/36

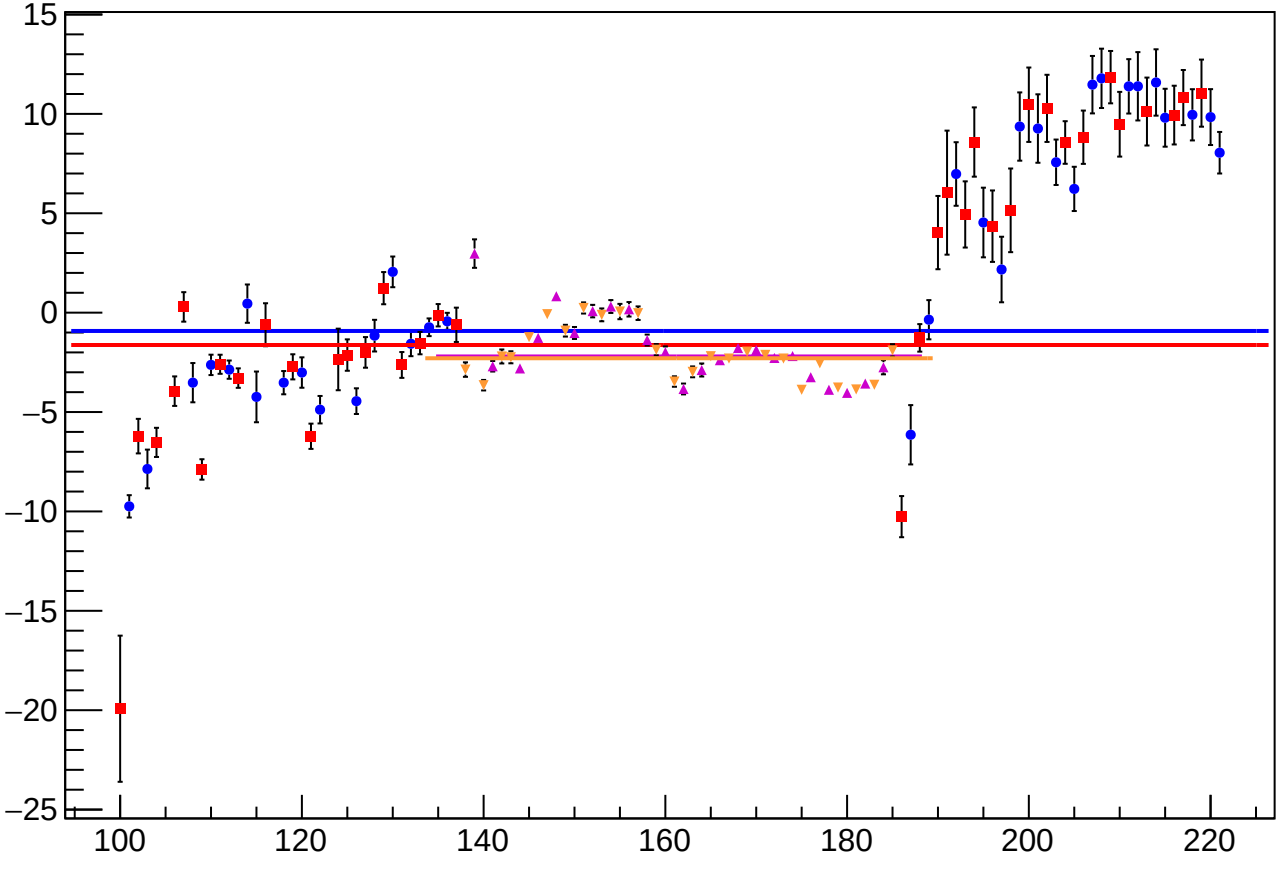
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.982+/-0.054 χ^2/NDF: 3102.4/58

All: 2.838+/-0.039 χ^2/NDF: 8913.0/118

- sign 2.690+/-0.055 χ^2/NDF: 5796.4/59

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -0.921+/-0.141 χ^2/NDF: 1258.9/33

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.627+/-0.142 χ^2/NDF: 1154.1/36

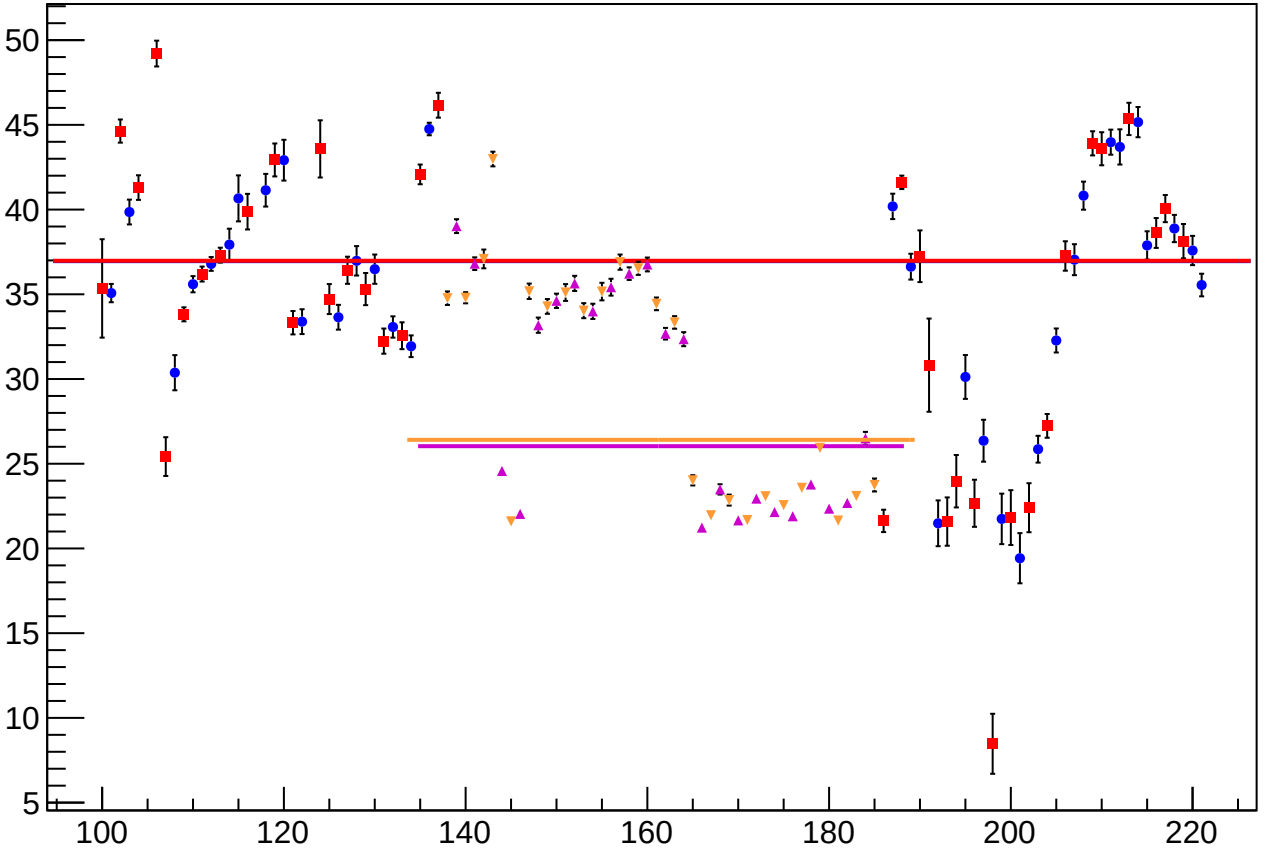
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.143+/-0.047 χ^2/NDF: 1974.9/58

All: -2.141+/-0.033 χ^2/NDF: 3868.3/118

- sign -2.139+/-0.048 χ^2/NDF: 1893.4/59

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.956+/-0.127 χ^2/NDF: 1702.7/33

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.979+/-0.126 χ^2/NDF: 2842.2/36

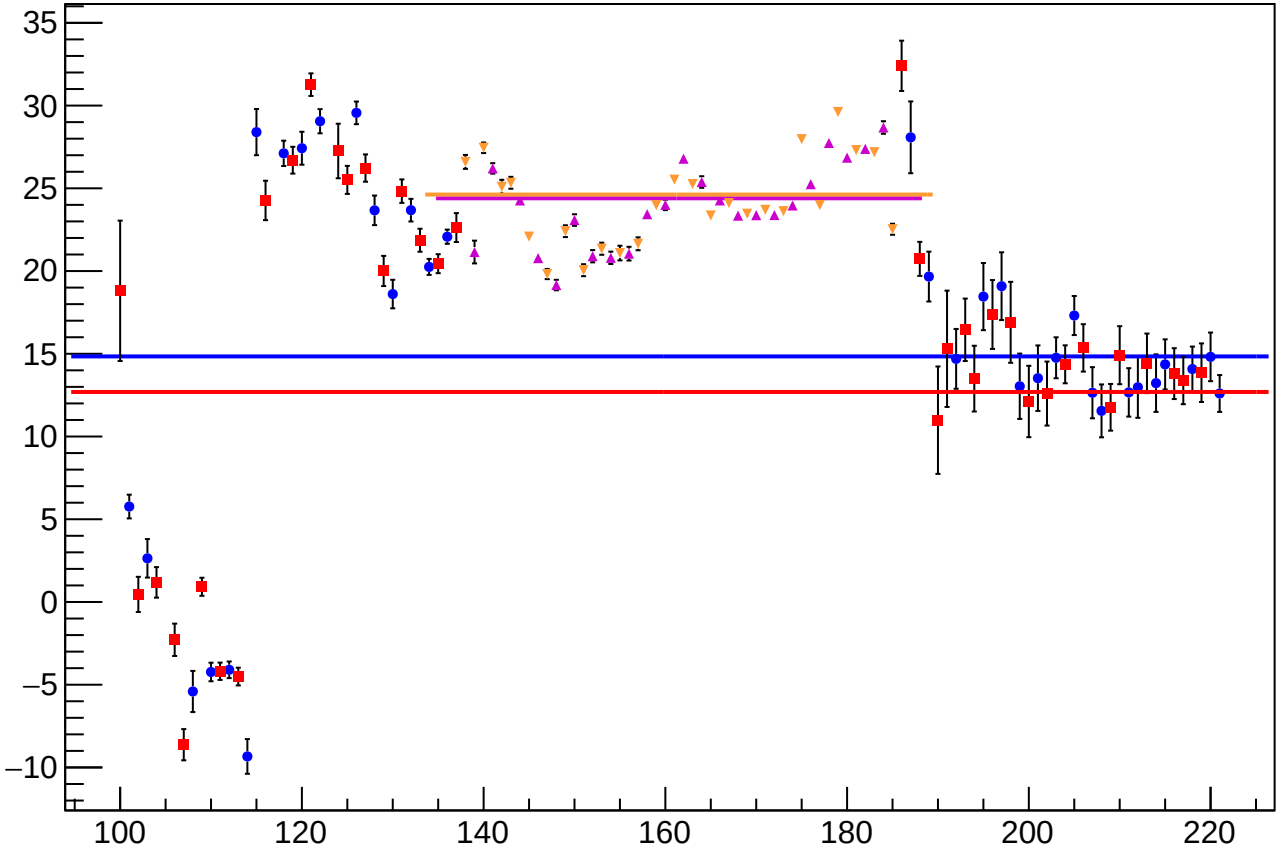
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.448+/-0.056 χ^2/NDF: 16463.7/58

All: 28.356+/-0.040 χ^2/NDF: 33117.4/118

- sign 28.259+/-0.057 χ^2/NDF: 16648.2/59

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.841+/-0.157 χ^2/NDF: 5761.8/33

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.693+/-0.161 χ^2/NDF: 6374.9/36

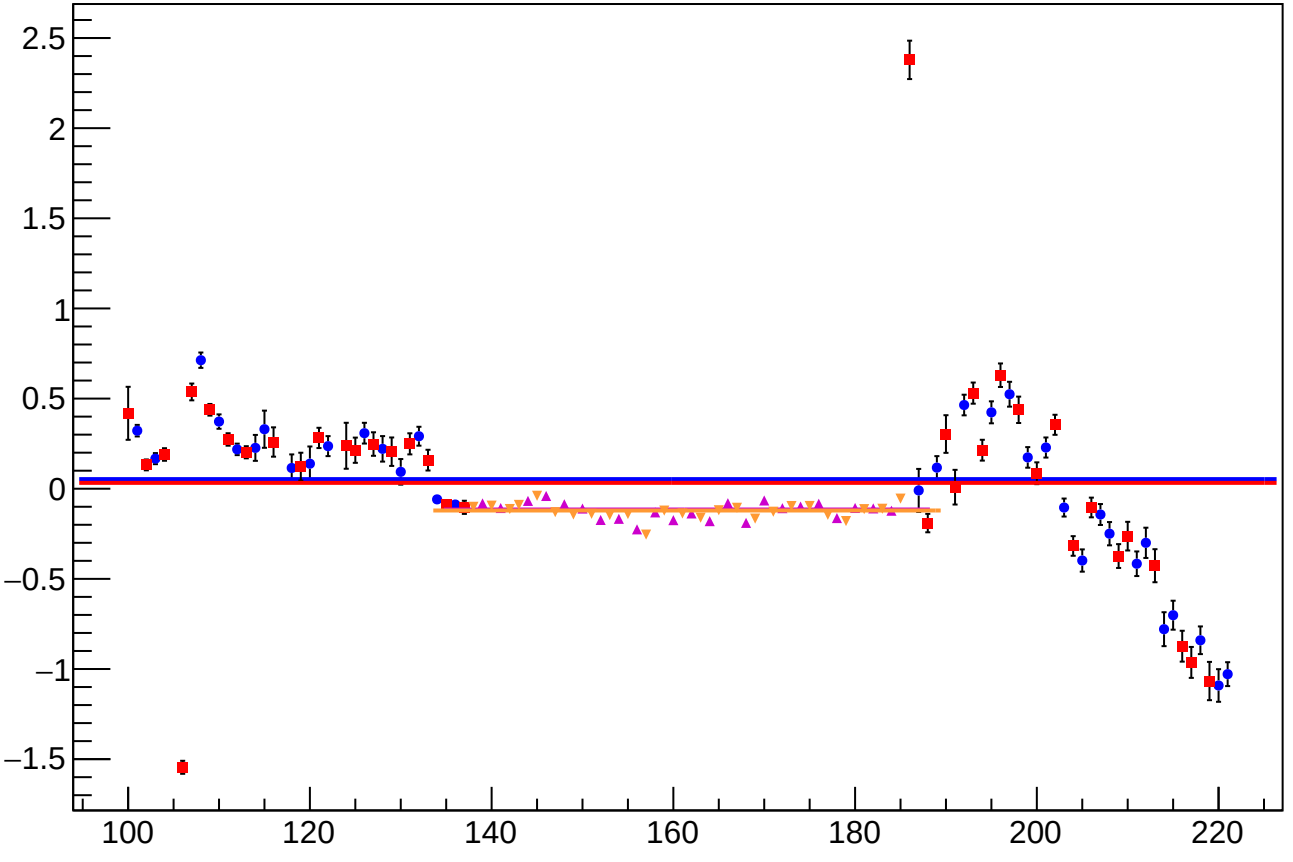
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.549+/-0.052 χ^2/NDF: 11167.1/58

All: 23.338+/-0.037 χ^2/NDF: 23995.9/118

\- sign 23.116+/-0.053 χ^2/NDF: 12794.9/59

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.053+/-0.008 χ^2/NDF: 1616.2/33

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.033+/-0.008 χ^2/NDF: 3634.7/36

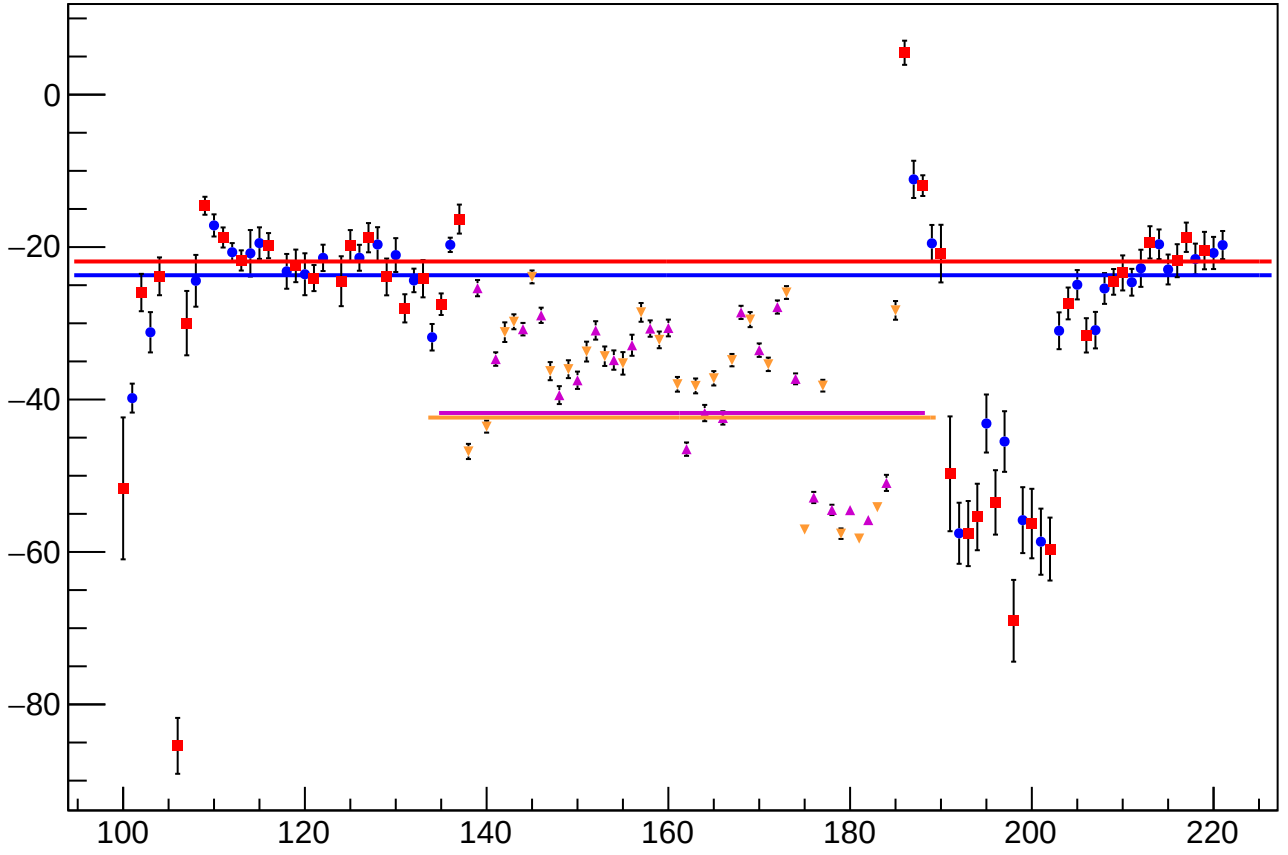
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.106+/-0.002 χ^2/NDF: 2305.3/58

All: -0.105+/-0.002 χ^2/NDF: 6518.0/118

- sign -0.103+/-0.002 χ^2/NDF: 4212.0/59

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.693+/-0.341 χ^2/NDF: 469.1/33

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.889+/-0.344 χ^2/NDF: 1207.3/36

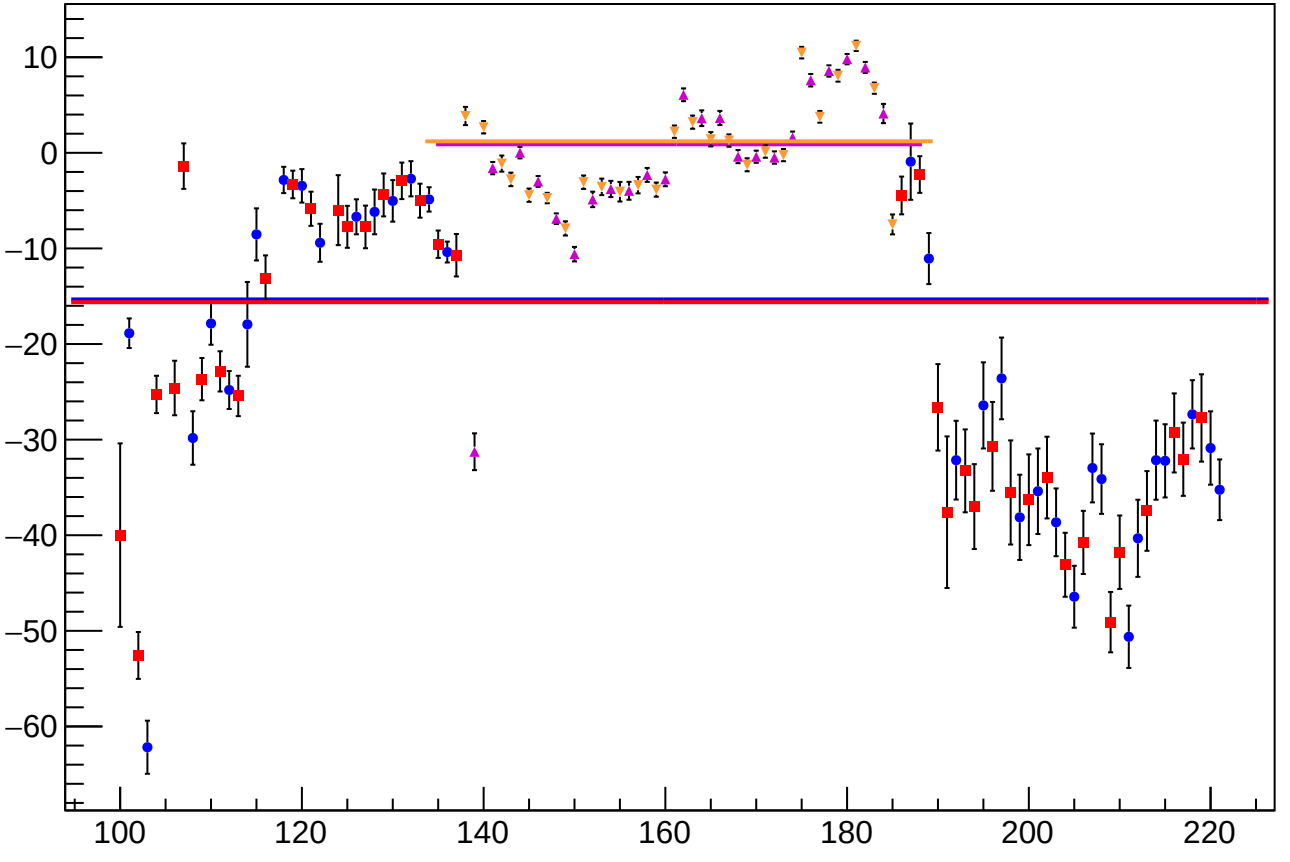
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

\+ sign -38.475+/-0.156 χ^2/NDF: 7313.2/58

All: -37.967+/-0.112 χ^2/NDF: 14611.4/118

\- sign -37.428+/-0.161 χ^2/NDF: 7276.4/59

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -15.335+/-0.402 χ^2/NDF: 1212.7/33

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -15.622+/-0.416 χ^2/NDF: 1156.5/36

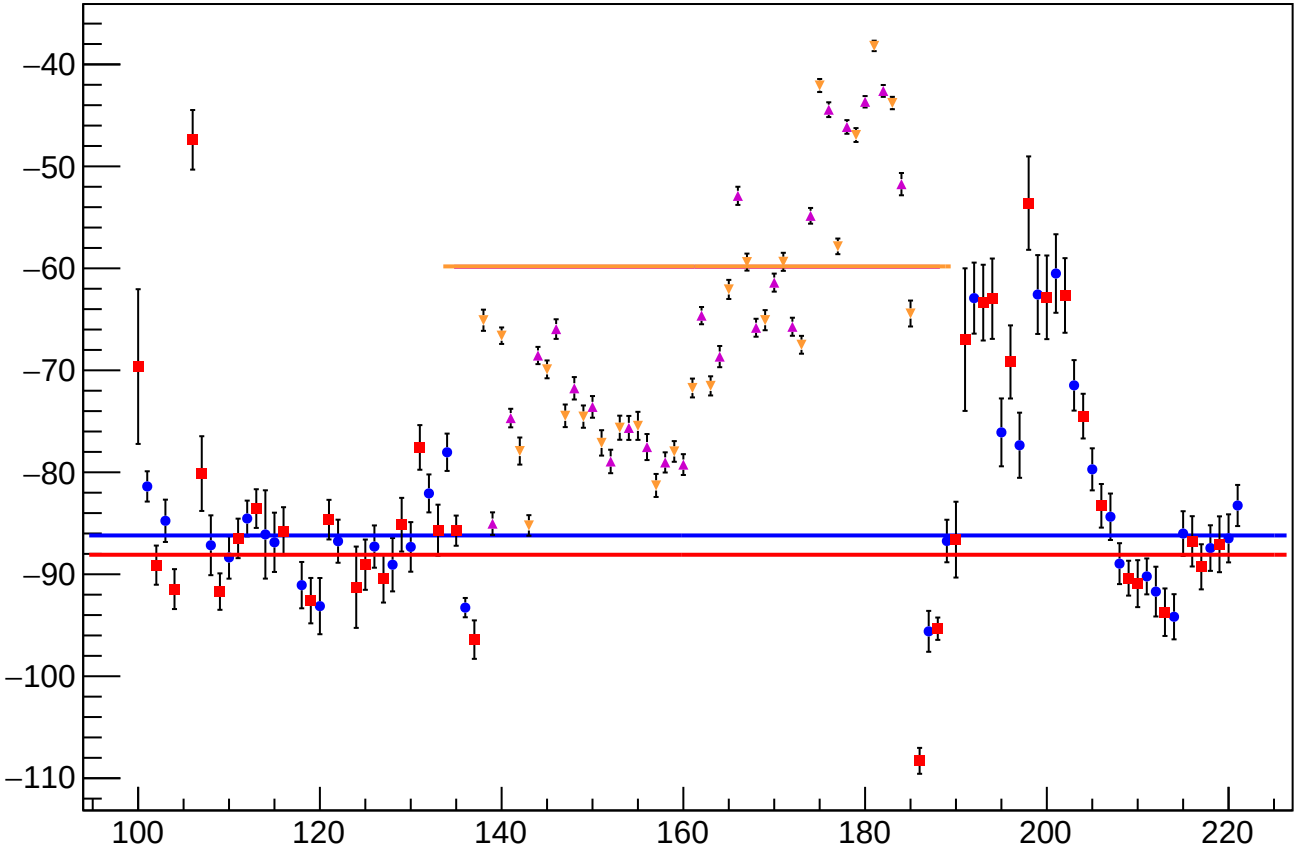
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.543+/-0.131 χ^2/NDF: 4189.9/58

All: -0.694+/-0.094 χ^2/NDF: 8521.8/118

- sign -0.854+/-0.135 χ^2/NDF: 4329.2/59

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.192+/-0.363 χ^2/NDF: 345.3/33

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.086+/-0.365 χ^2/NDF: 890.6/36

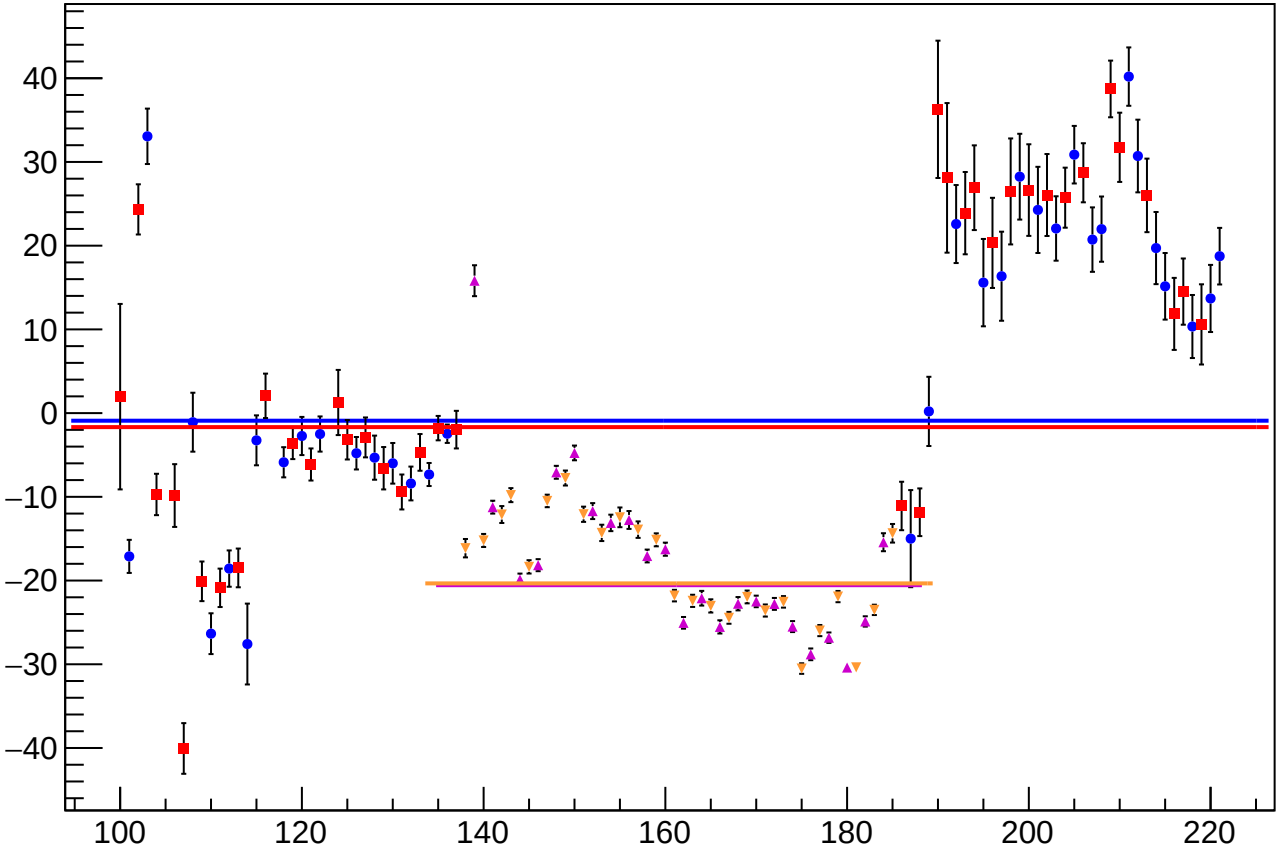
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.794+/-0.158 χ^2/NDF: 11270.2/58

All: -65.096+/-0.113 χ^2/NDF: 22499.4/118

- sign -65.415+/-0.162 χ^2/NDF: 11221.7/59

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -0.907+/-0.451 χ^2/NDF: 1019.3/33

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.673+/-0.476 χ^2/NDF: 1087.7/36

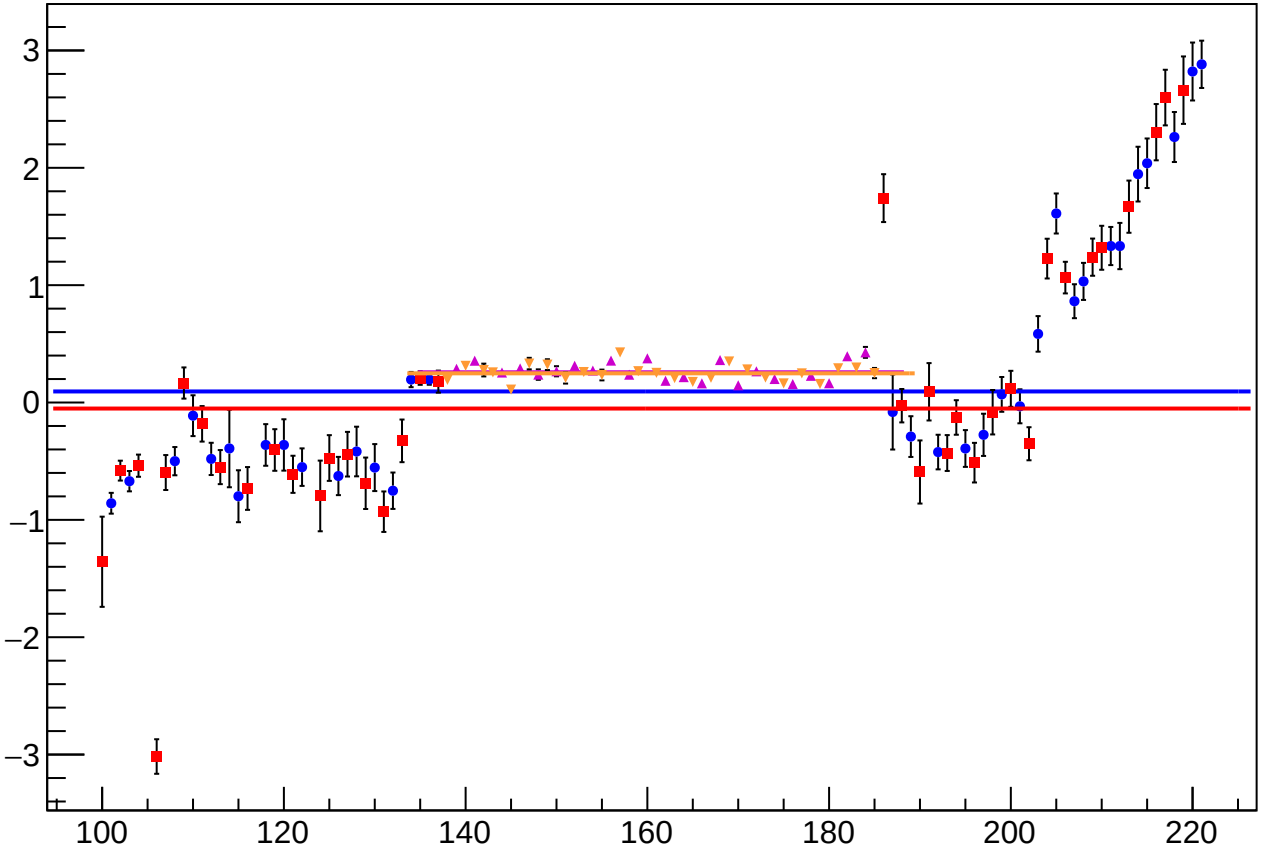
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.296+/-0.146 χ^2/NDF: 4381.9/58

All: -18.466+/-0.105 χ^2/NDF: 9079.9/118

- sign -18.648+/-0.151 χ^2/NDF: 4695.3/59

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: 0.094+/-0.022 χ^2/NDF: 1203.1/33

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.051+/-0.024 χ^2/NDF: 1336.9/36

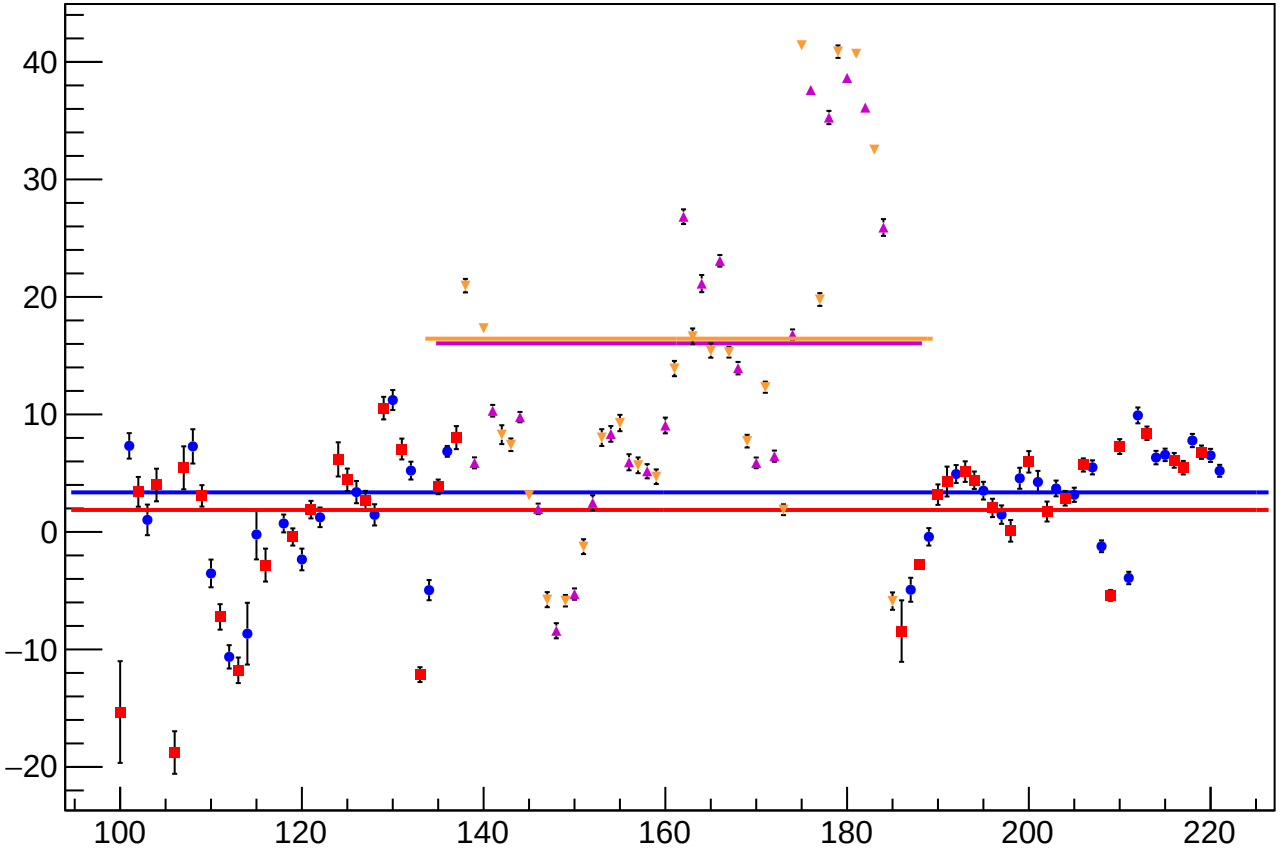
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.235+/-0.007 χ^2/NDF: 1339.4/58

All: 0.234+/-0.005 χ^2/NDF: 2963.2/118

- sign 0.233+/-0.007 χ^2/NDF: 1623.8/59

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.366+/-0.125 χ^2/NDF: 1238.0/33

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

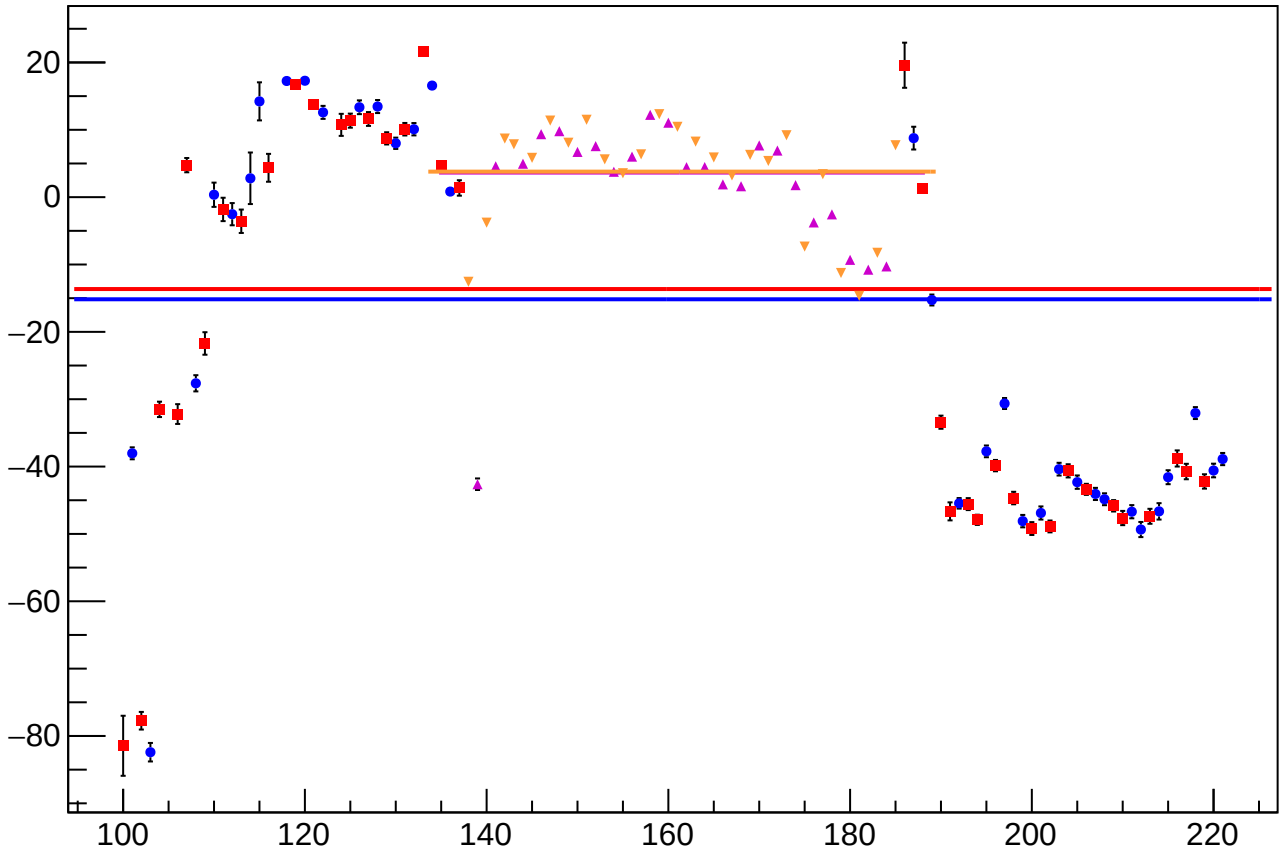
Right Out: 1.870+/-0.126 χ^2/NDF: 1967.3/36

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.076+/-0.080 χ^2/NDF: 29136.0/58

All: 10.602+/-0.057 χ^2/NDF: 56131.6/118

- sign 10.106+/-0.082 χ^2/NDF: 26923.6/59



Right In: -15.163+/-0.153 χ^2/NDF: 32501.9/33

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -13.642+/-0.151 χ^2/NDF: 36006.9/36

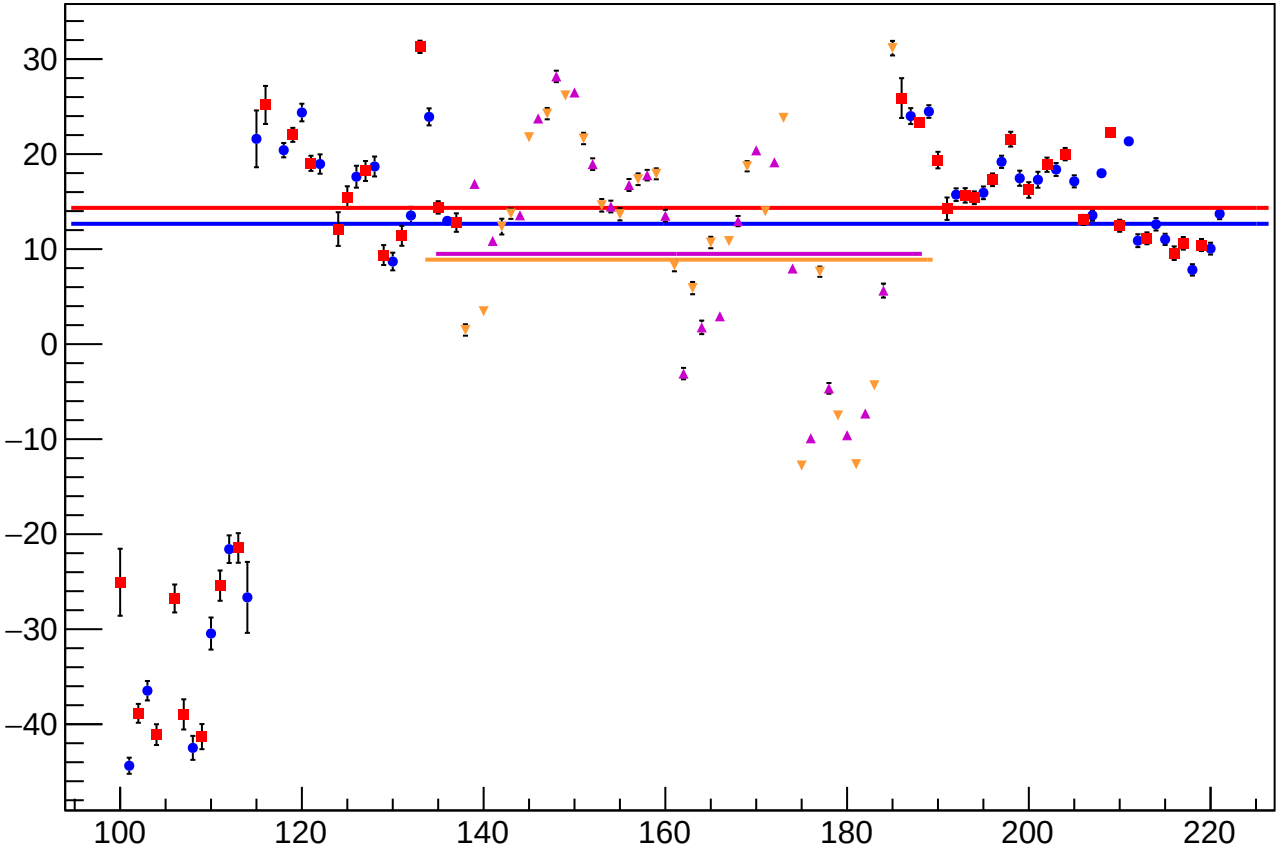
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign -0.291+/-0.071 χ^2/NDF: 53662.0/58

All: -0.326+/-0.051 χ^2/NDF: 108056.2/118

\- sign -0.362+/-0.073 χ^2/NDF: 54393.8/59

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.664+/-0.126 χ^2/NDF: 11913.0/33

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

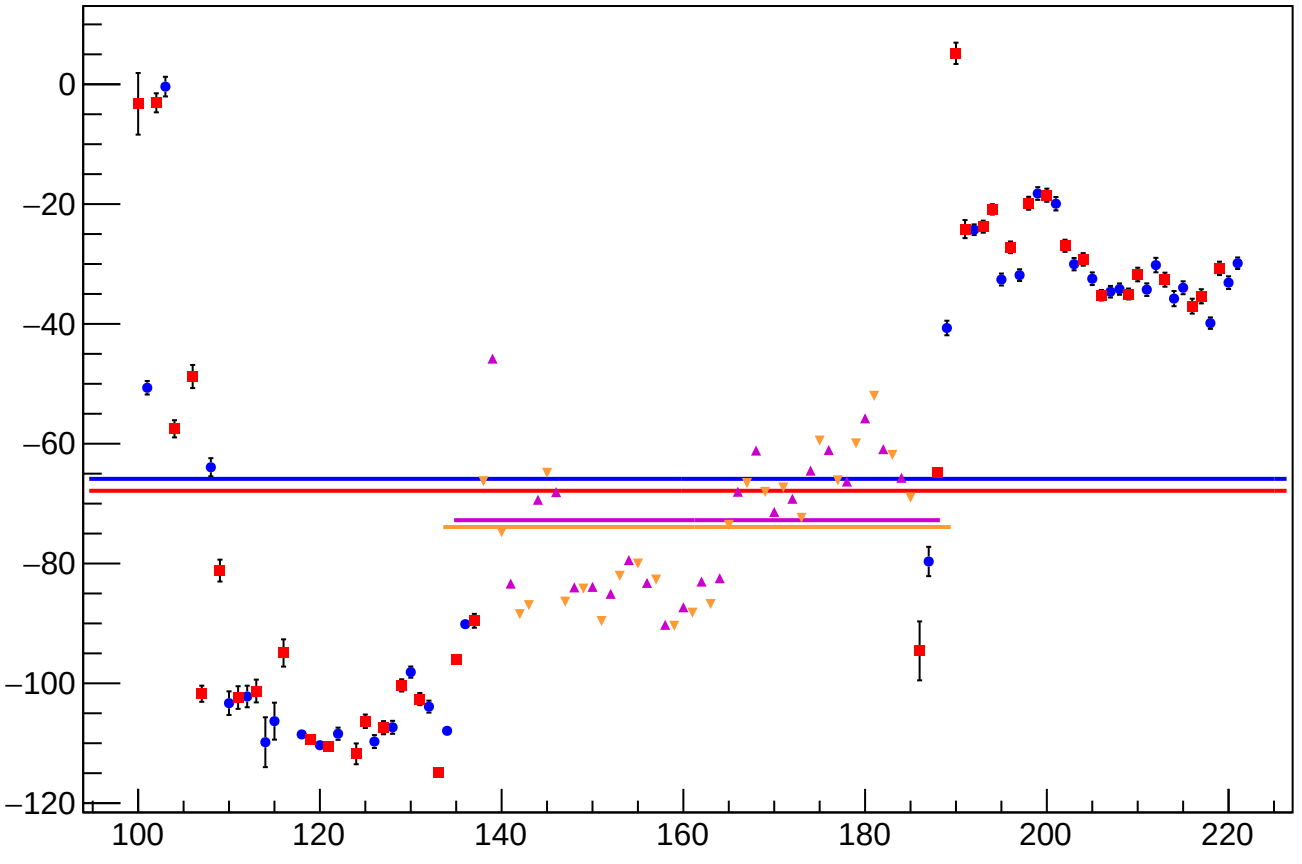
Right Out: 14.341+/-0.125 χ^2/NDF: 12912.7/36

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.409+/-0.080 χ^2/NDF: 27873.1/58

All: 10.965+/-0.057 χ^2/NDF: 54792.0/118

- sign 11.534+/-0.081 χ^2/NDF: 26821.6/59



Right In: -65.867+/-0.174 χ^2/NDF: 43694.9/33

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -67.856+/-0.175 χ^2/NDF: 48612.2/36

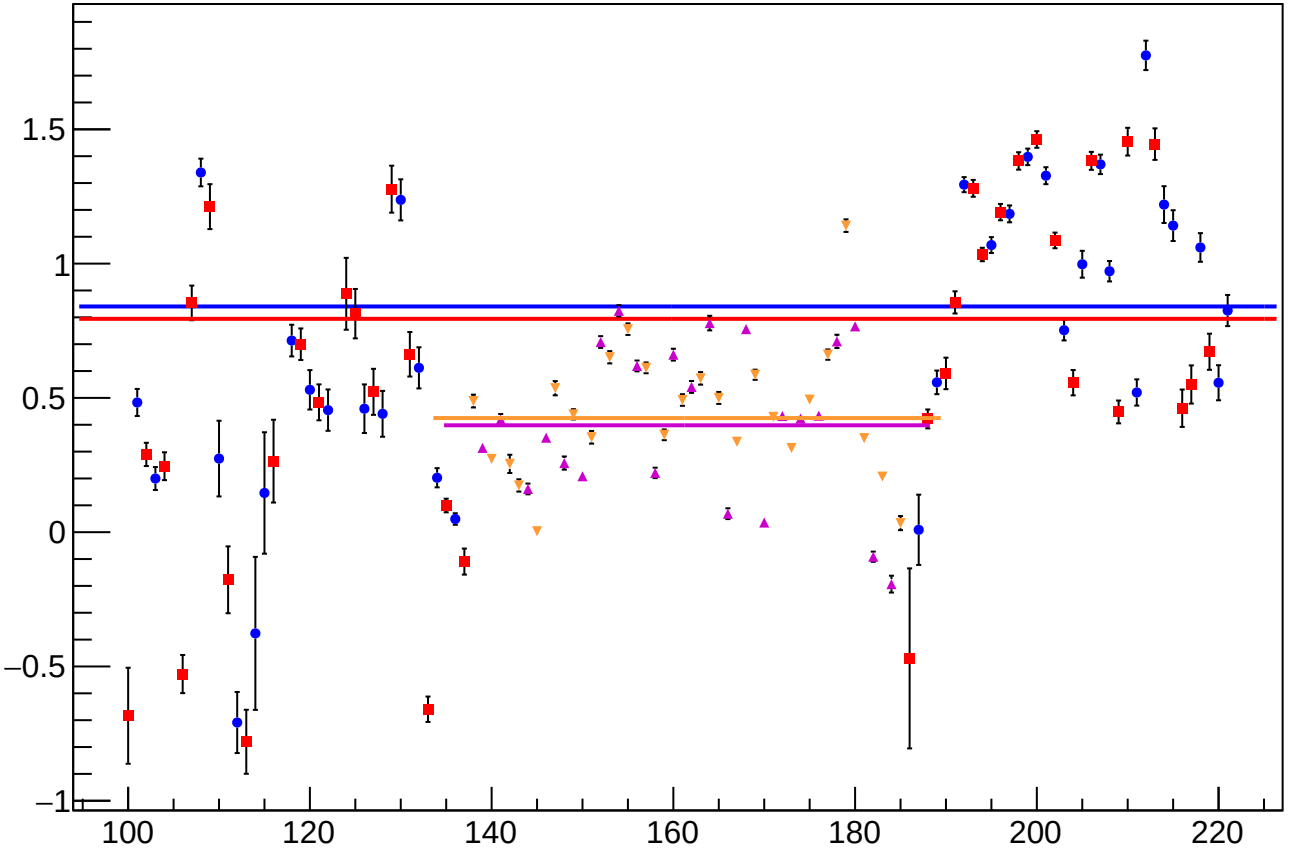
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -72.193+/-0.080 χ^2/NDF: 60945.6/58

All: -71.940+/-0.057 χ^2/NDF: 122803.9/118

- sign -71.674+/-0.082 χ^2/NDF: 61837.9/59

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.840+/-0.008 χ^2/NDF: 4154.7/33

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.794+/-0.008 χ^2/NDF: 5314.9/36

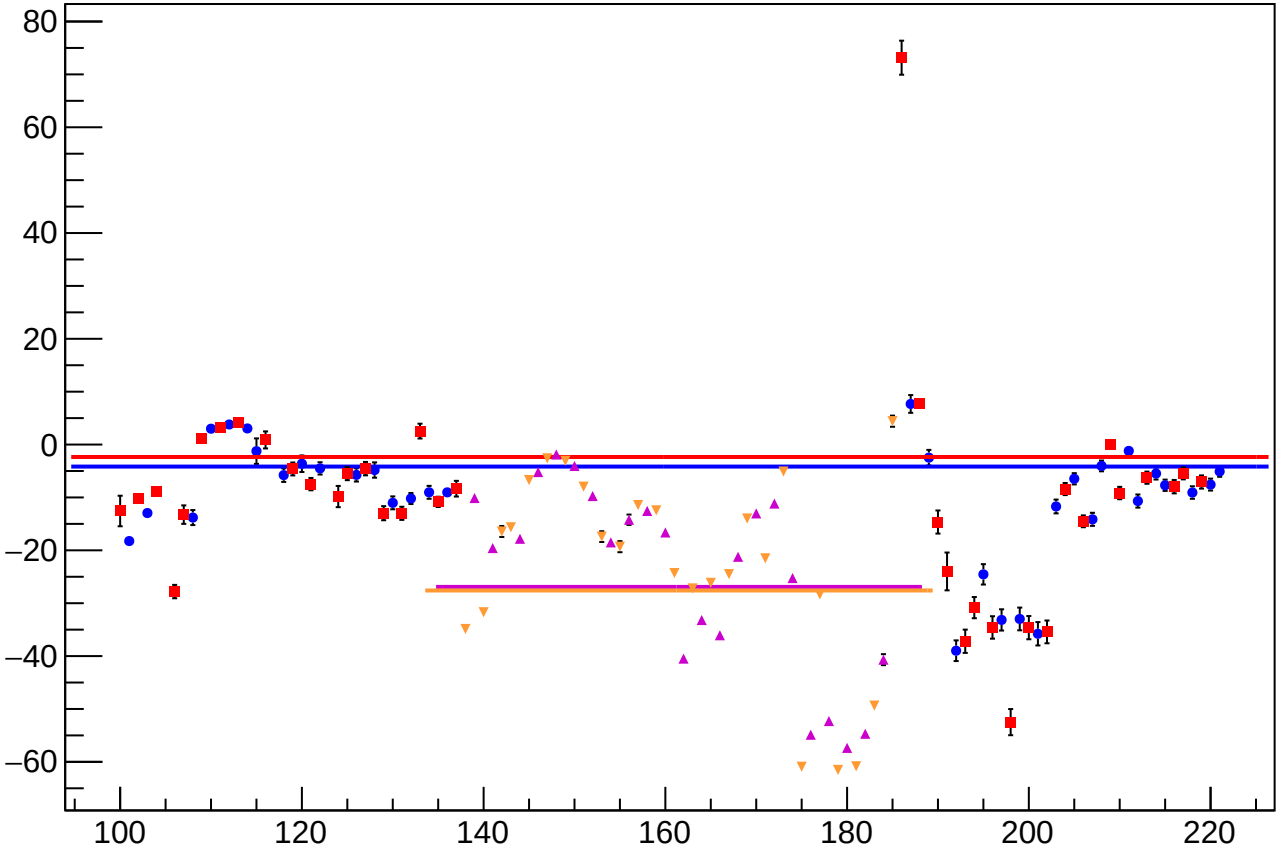
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.513+/-0.004 χ^2/NDF: 9422.8/58

All: 0.500+/-0.003 χ^2/NDF: 21104.5/118

- sign 0.487+/-0.004 χ^2/NDF: 11655.1/59

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -4.163+/-0.162 χ^2/NDF: 2852.1/33

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.348+/-0.150 χ^2/NDF: 4120.2/36

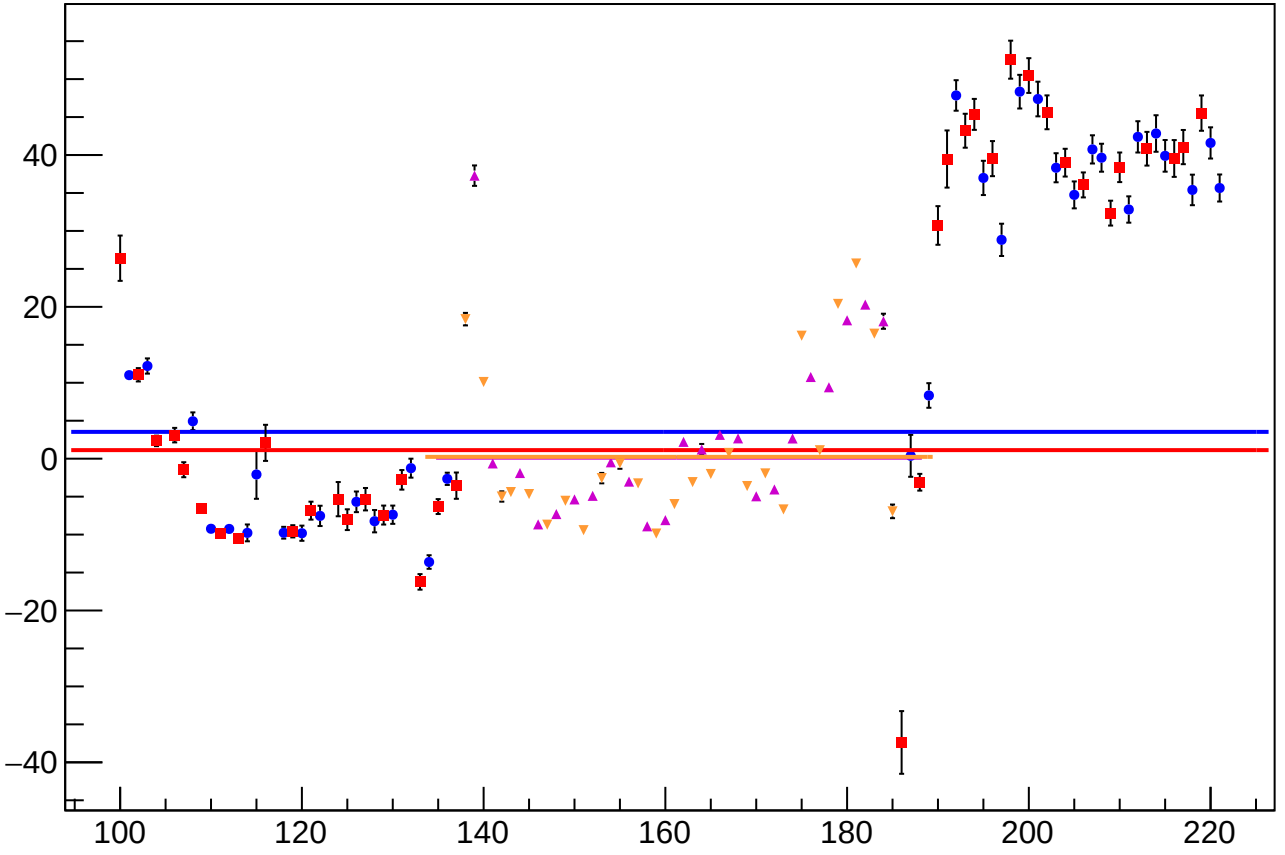
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -17.221+/-0.108 χ^2/NDF: 34284.7/58

All: -15.957+/-0.076 χ^2/NDF: 67657.2/118

- sign -14.735+/-0.106 χ^2/NDF: 33101.9/59

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 3.531+/-0.203 χ^2/NDF: 7671.4/33

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 1.127+/-0.199 χ^2/NDF: 7381.2/36

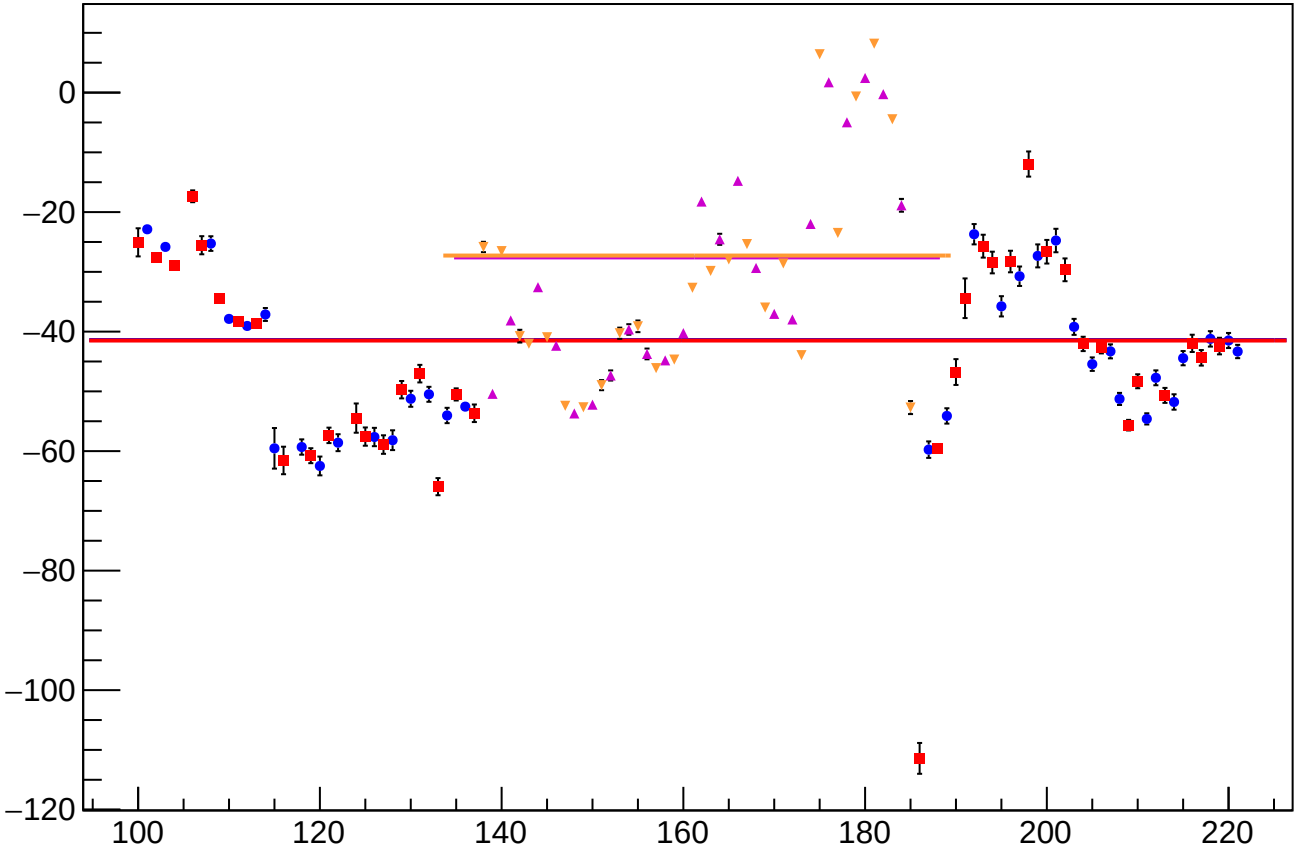
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.986+/-0.097 χ^2/NDF: 15909.4/58

All: 0.689+/-0.069 χ^2/NDF: 29165.9/118

- sign 0.379+/-0.099 χ^2/NDF: 13237.3/59

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.409+/-0.181 χ^2/NDF: 4008.0/33

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

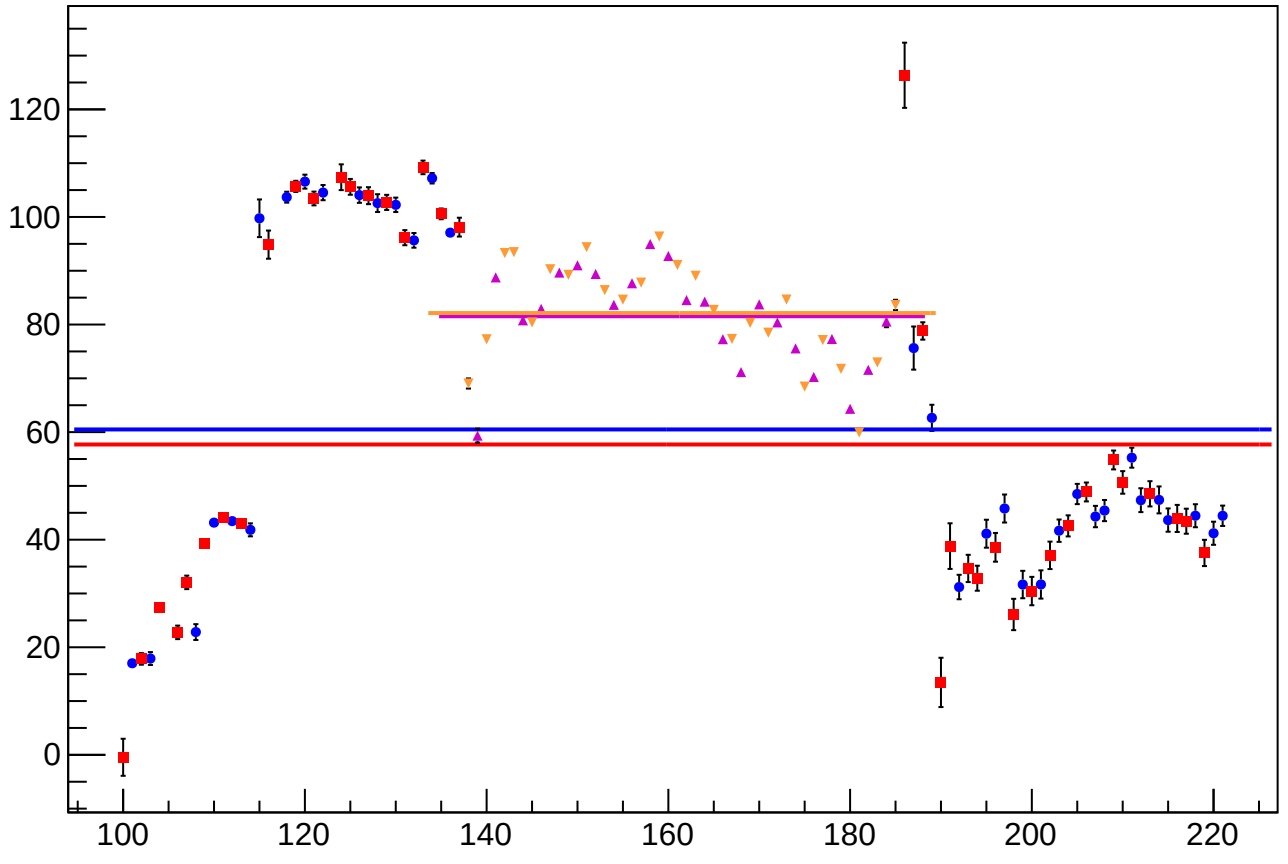
Right Out: -41.489+/-0.175 χ^2/NDF: 5358.5/36

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -32.750+/-0.113 χ^2/NDF: 26276.2/58

All: -33.067+/-0.080 χ^2/NDF: 50973.7/118

- sign -33.387+/-0.113 χ^2/NDF: 24681.7/59



Right In: 60.497+/-0.231 χ^2/NDF: 19907.1/33

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.700+/-0.227 χ^2/NDF: 18702.6/36

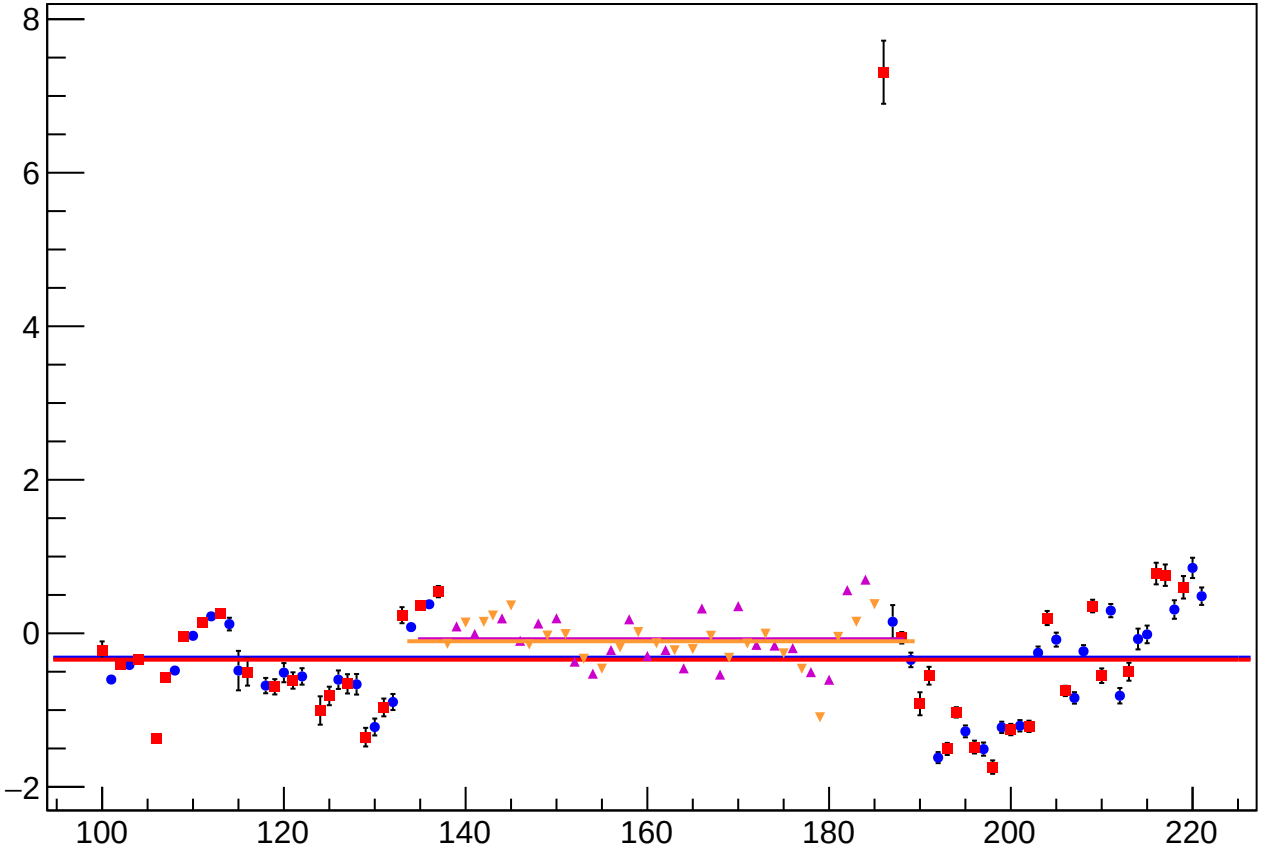
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.255+/-0.110 χ^2/NDF: 32065.3/58

All: 76.506+/-0.078 χ^2/NDF: 63242.1/118

- sign 75.724+/-0.112 χ^2/NDF: 31081.7/59

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.317+/-0.011 χ^2/NDF: 2276.9/33

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.343+/-0.011 χ^2/NDF: 3215.1/36

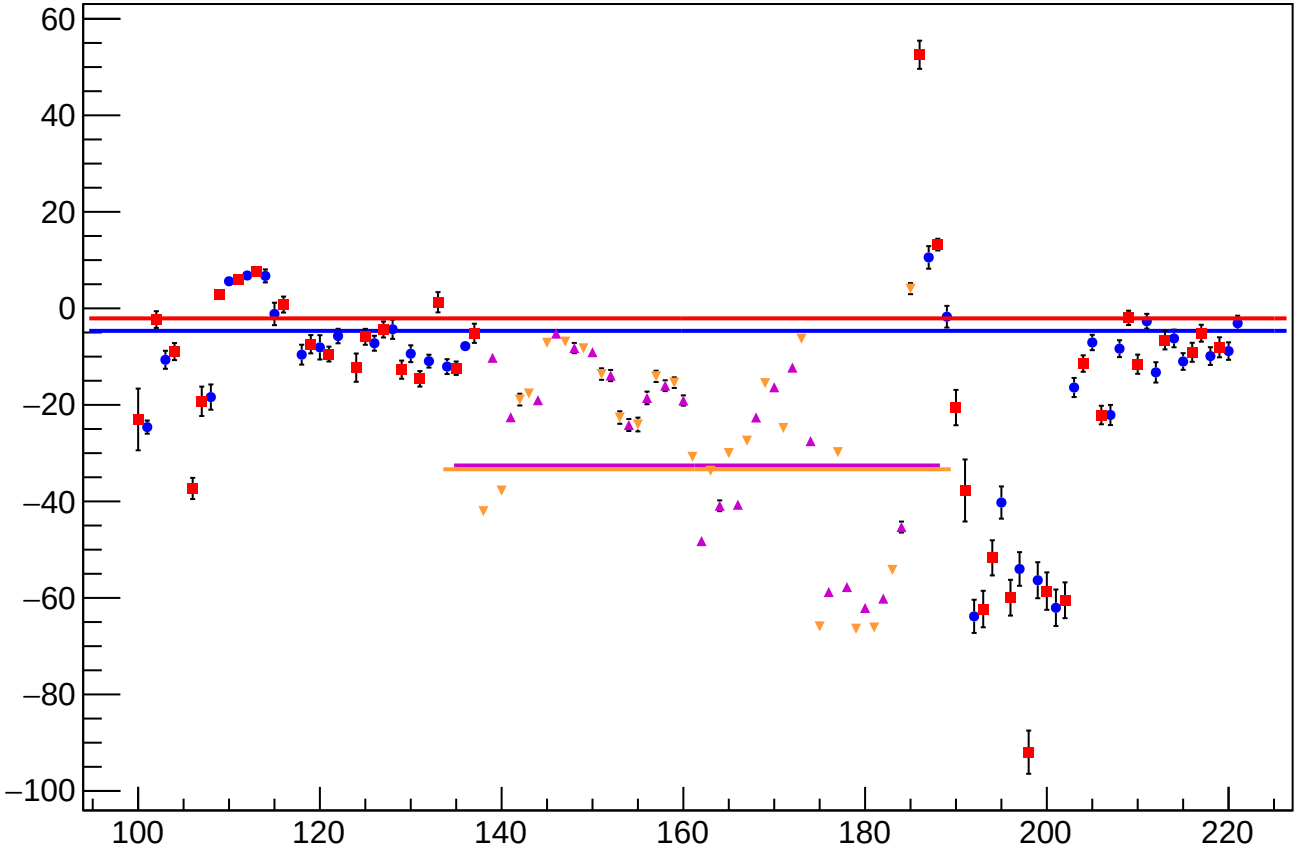
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4968.7/58

All: -0.139+/-0.004 χ^2/NDF: 11961.1/118

- sign -0.133+/-0.005 χ^2/NDF: 6989.6/59

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.661+/-0.260 χ^2/NDF: 2229.4/33

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -2.074+/-0.248 χ^2/NDF: 3290.1/36

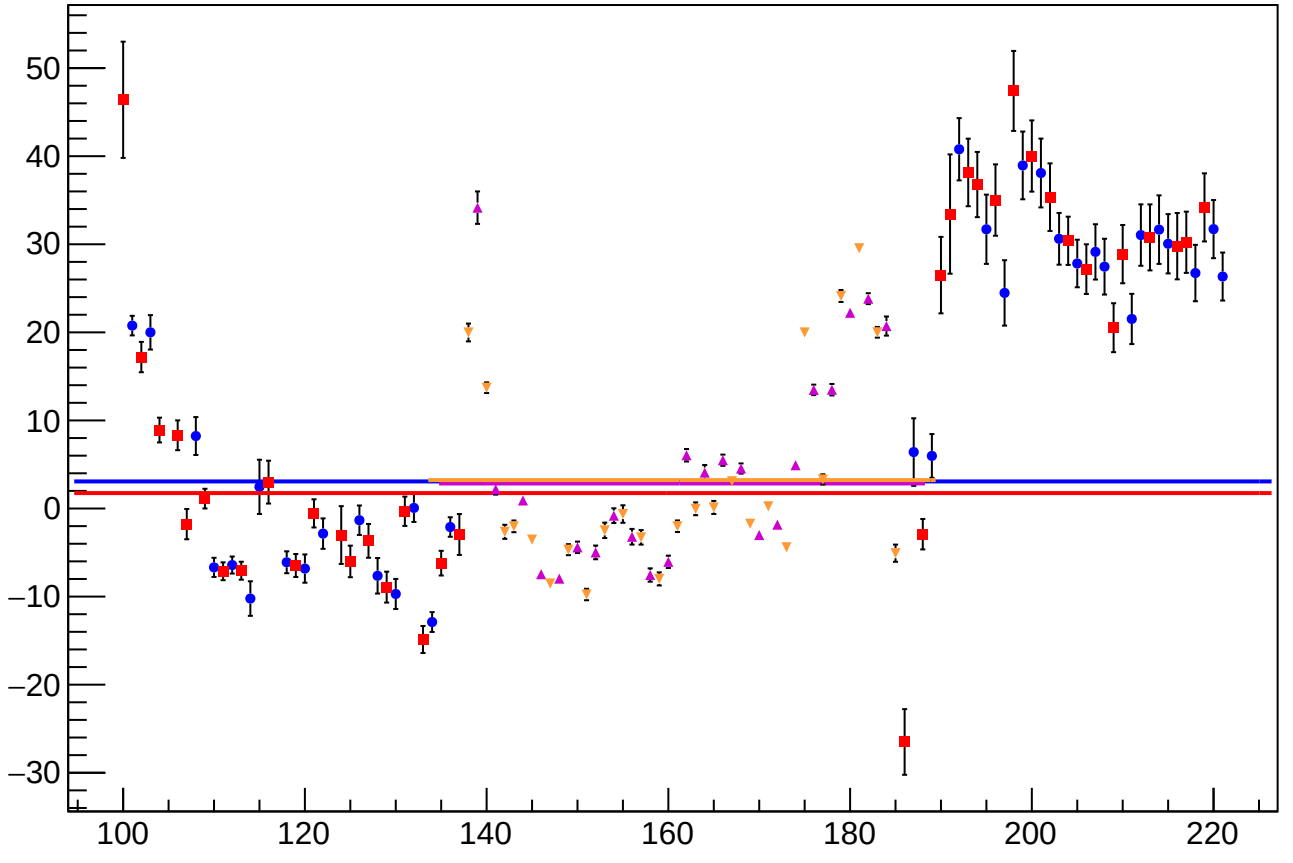
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -25.134+/-0.139 χ^2/NDF: 28913.1/58

All: -23.996+/-0.099 χ^2/NDF: 56549.5/118

- sign -22.845+/-0.140 χ^2/NDF: 27501.8/59

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 3.076+/-0.323 χ^2/NDF: 2076.0/33

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

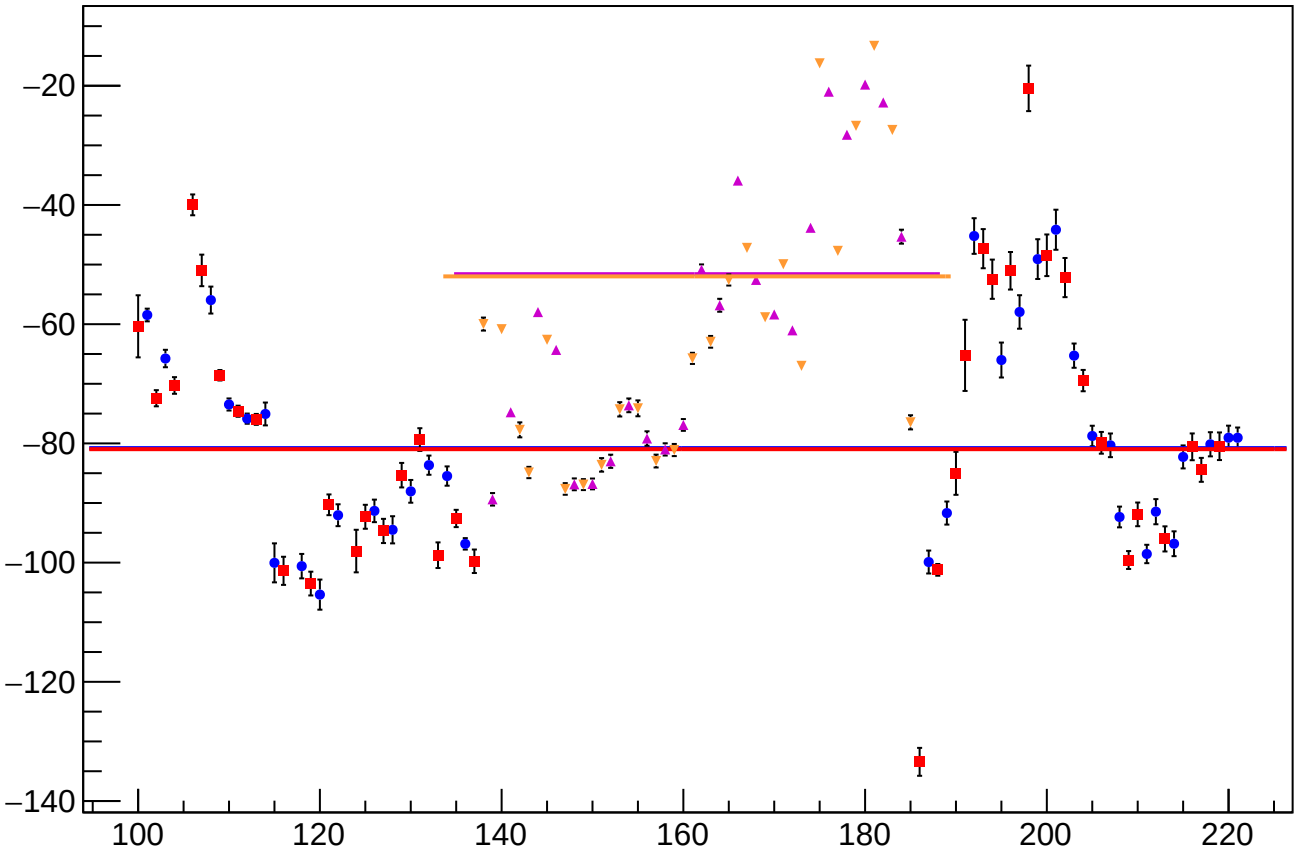
Right Out: 1.753+/-0.323 χ^2/NDF: 1776.6/36

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 3.204+/-0.119 χ^2/NDF: 9751.8/58

All: 2.953+/-0.085 χ^2/NDF: 17002.7/118

- sign 2.691+/-0.122 χ^2/NDF: 7241.9/59



Right In: -80.791+/-0.292 χ^2/NDF: 2287.6/33

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.969+/-0.288 χ^2/NDF: 3527.0/36

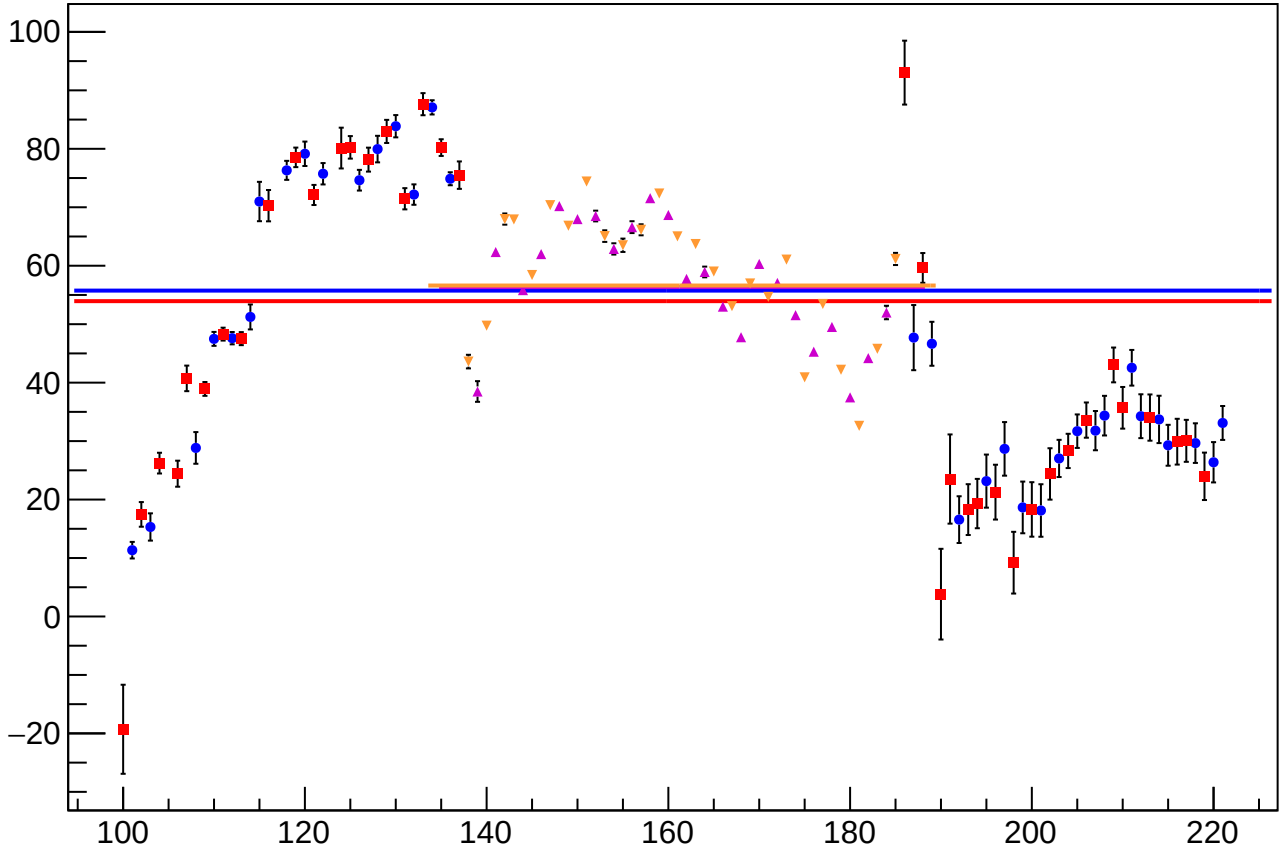
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -58.946+/-0.144 χ^2/NDF: 30561.0/58

All: -59.031+/-0.102 χ^2/NDF: 59422.8/118

- sign -59.119+/-0.146 χ^2/NDF: 28861.1/59

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 55.744+/-0.363 χ^2/NDF: 4315.2/33

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 53.940+/-0.367 χ^2/NDF: 3661.1/36

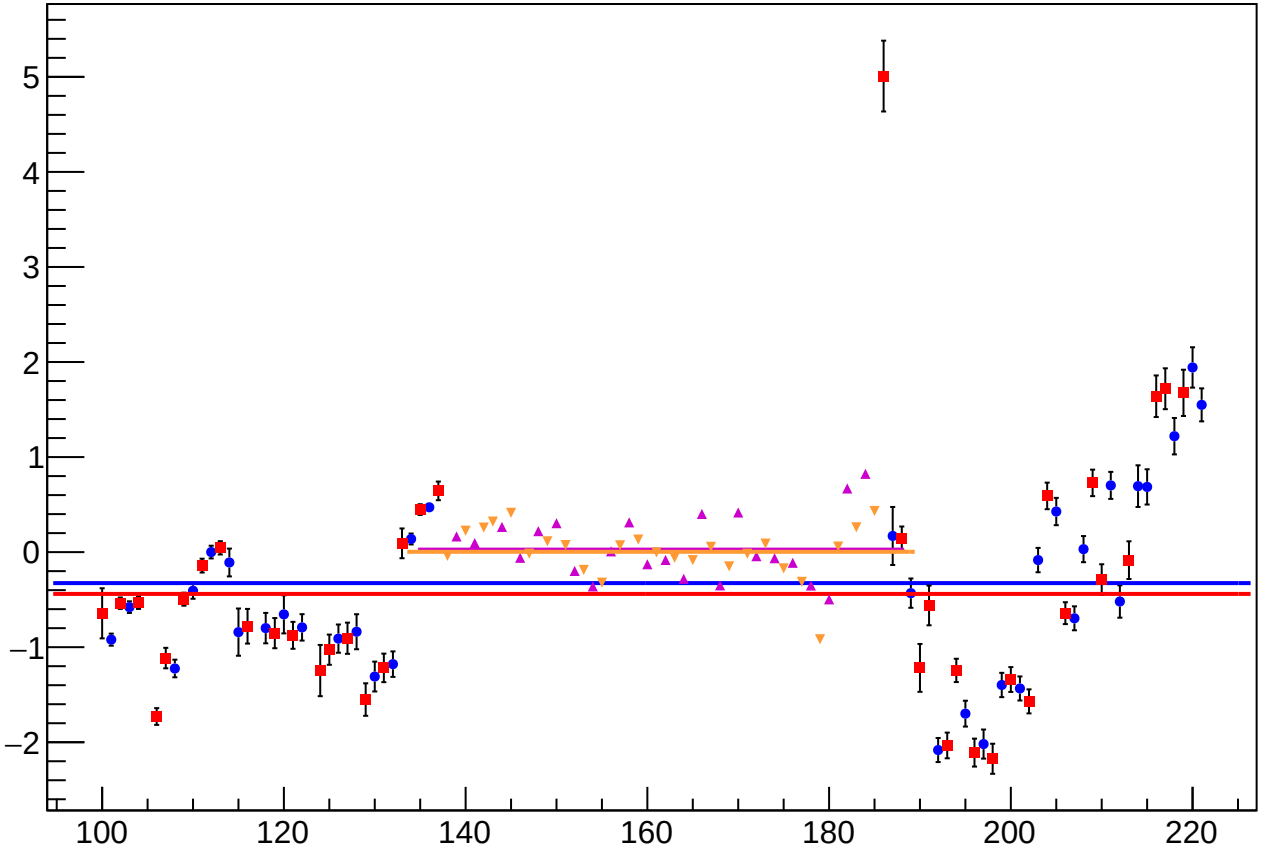
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.494+/-0.134 χ^2/NDF: 9986.4/58

All: 56.259+/-0.096 χ^2/NDF: 17659.7/118

- sign 56.012+/-0.137 χ^2/NDF: 7667.0/59

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.326+/-0.019 χ^2/NDF: 1747.2/33

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.440+/-0.019 χ^2/NDF: 2028.8/36

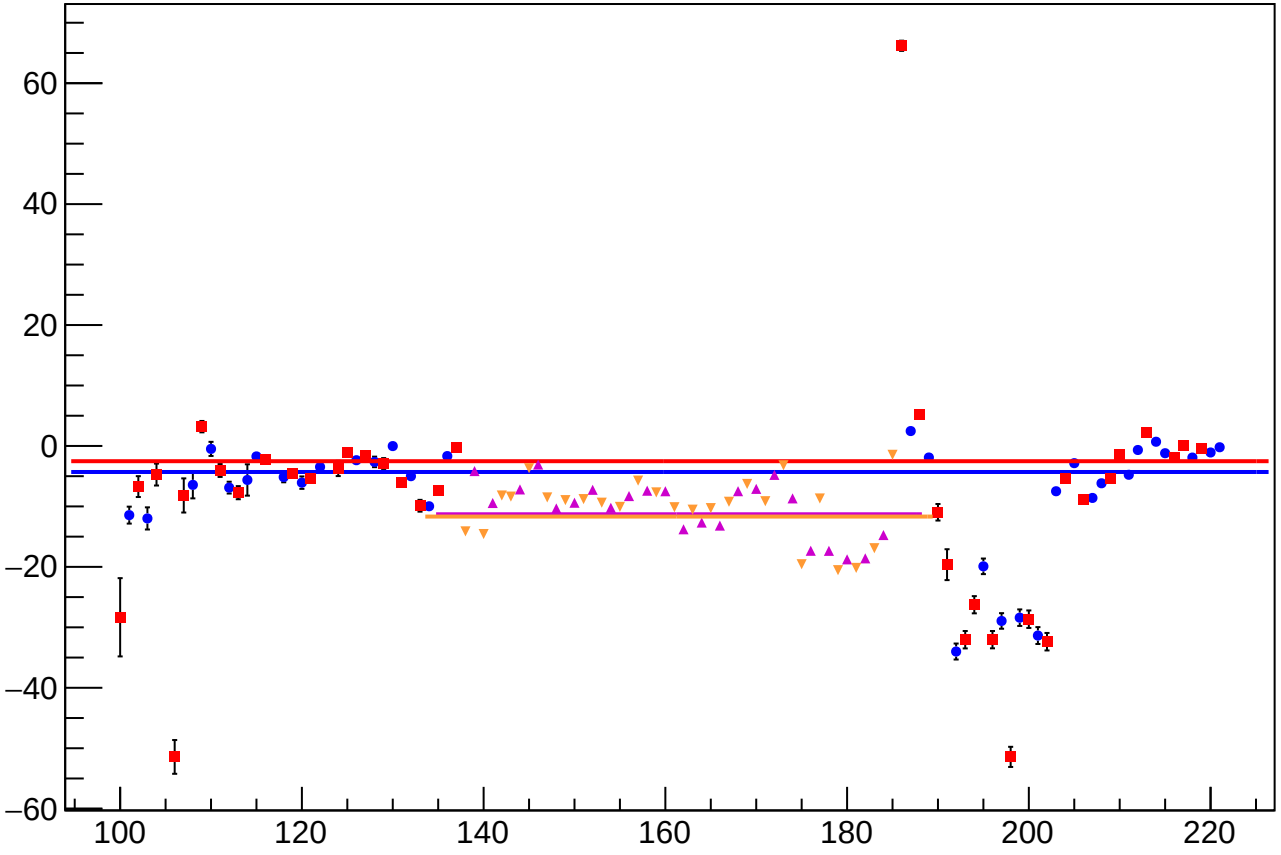
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.032+/-0.006 χ^2/NDF: 3730.1/58

All: -0.028+/-0.004 χ^2/NDF: 8655.4/118

- sign -0.025+/-0.006 χ^2/NDF: 4924.6/59

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.306+/-0.130 χ^2/NDF: 2277.6/33

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.521+/-0.138 χ^2/NDF: 10596.3/36

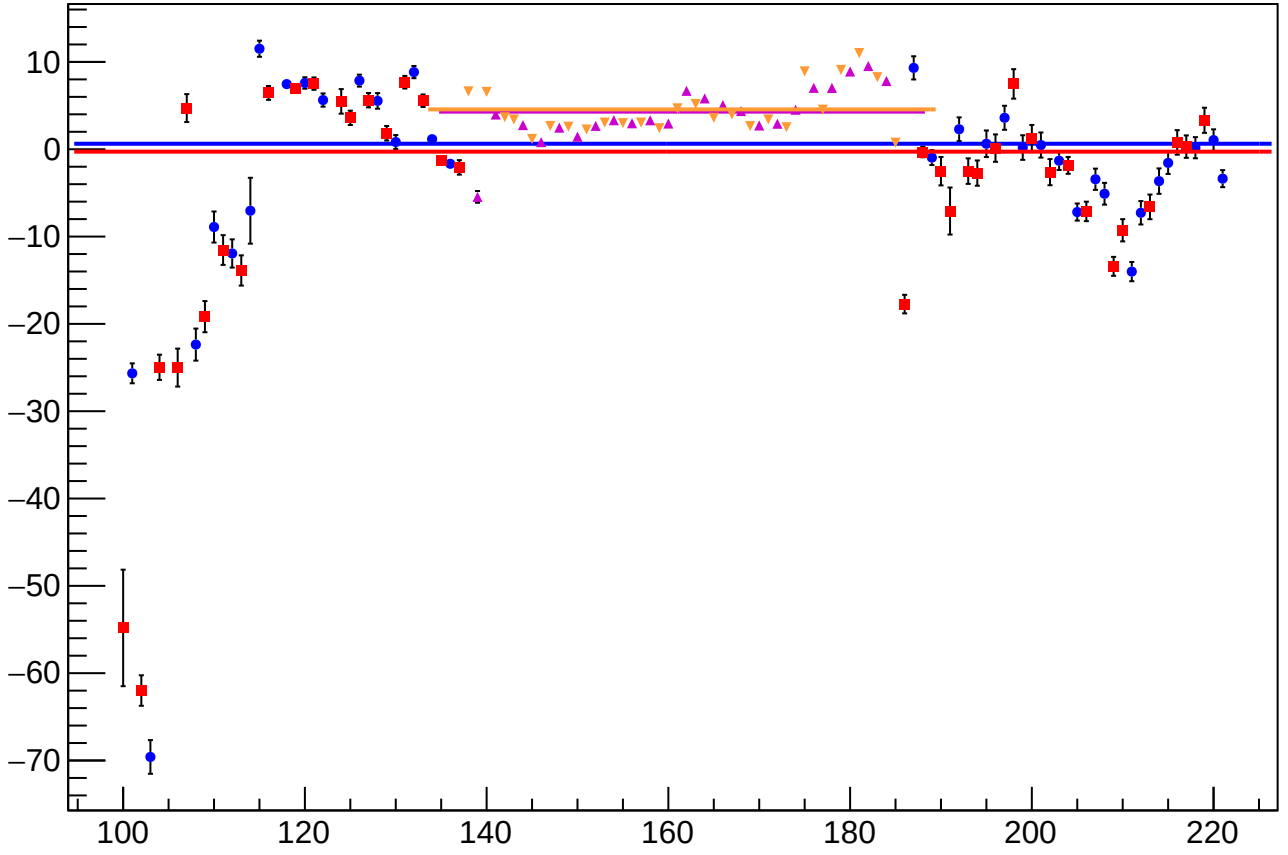
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.644+/-0.049 χ^2/NDF: 17635.6/58

All: -10.397+/-0.035 χ^2/NDF: 41028.0/118

- sign -10.135+/-0.050 χ^2/NDF: 23339.6/59

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.630+/-0.157 χ^2/NDF: 3275.2/33

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

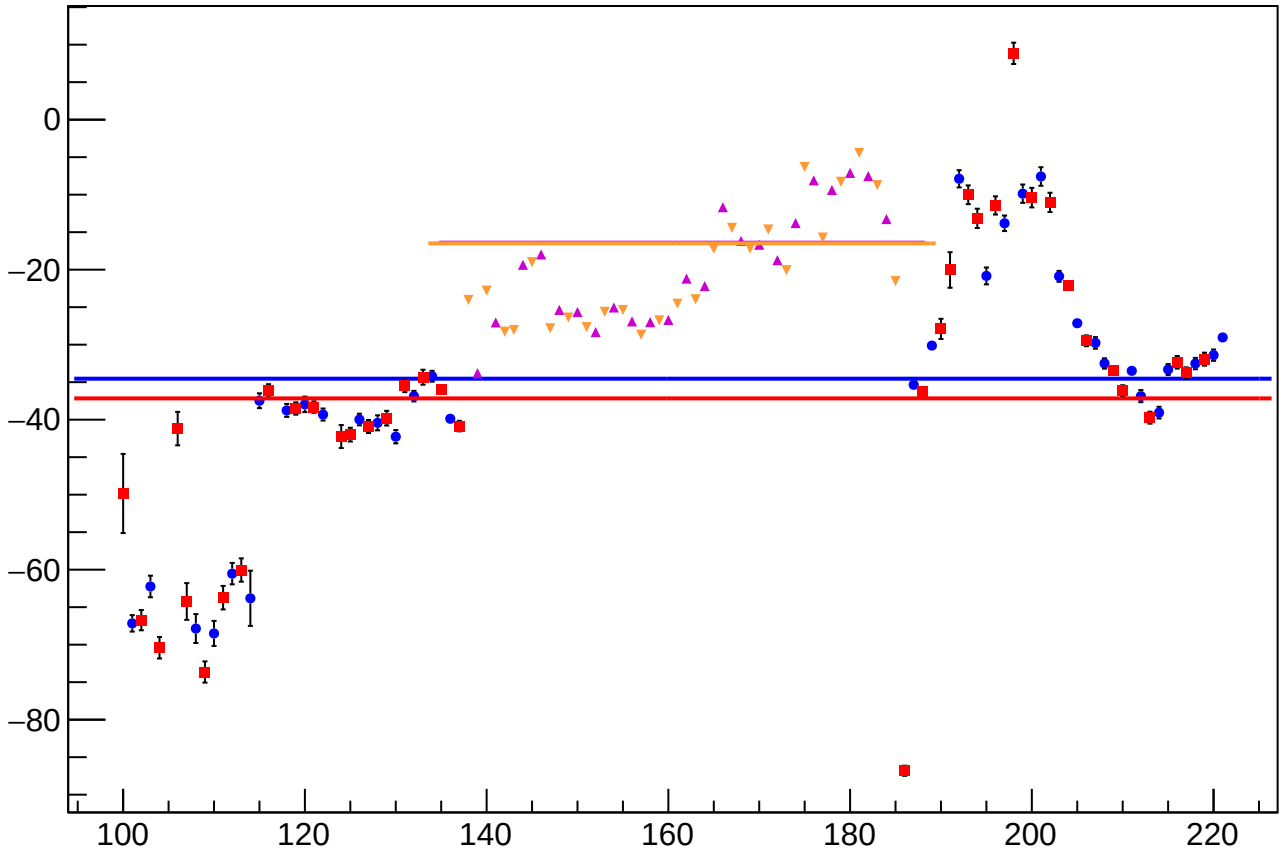
Right Out: -0.275+/-0.168 χ^2/NDF: 3206.3/36

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.308+/-0.040 χ^2/NDF: 8218.0/58

All: 4.176+/-0.029 χ^2/NDF: 15753.0/118

- sign 4.038+/-0.041 χ^2/NDF: 7512.7/59



Right In: -34.535+/-0.136 χ^2/NDF: 5542.9/33

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.165+/-0.142 χ^2/NDF: 11920.5/36

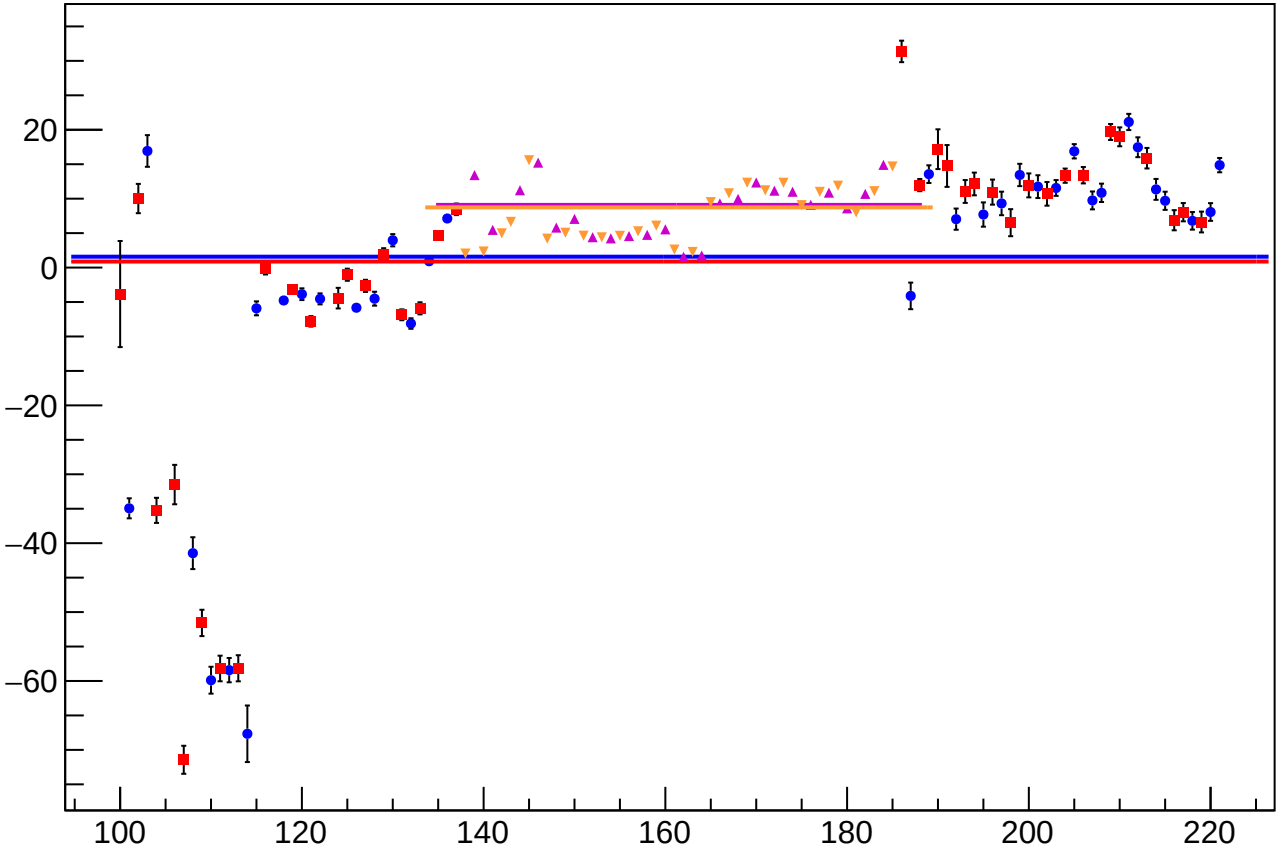
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.845+/-0.049 χ^2/NDF: 42760.9/58

All: -18.926+/-0.035 χ^2/NDF: 91348.1/118

- sign -19.011+/-0.050 χ^2/NDF: 48581.6/59

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 1.580+/-0.175 χ^2/NDF: 5483.2/33

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.877+/-0.191 χ^2/NDF: 6666.7/36

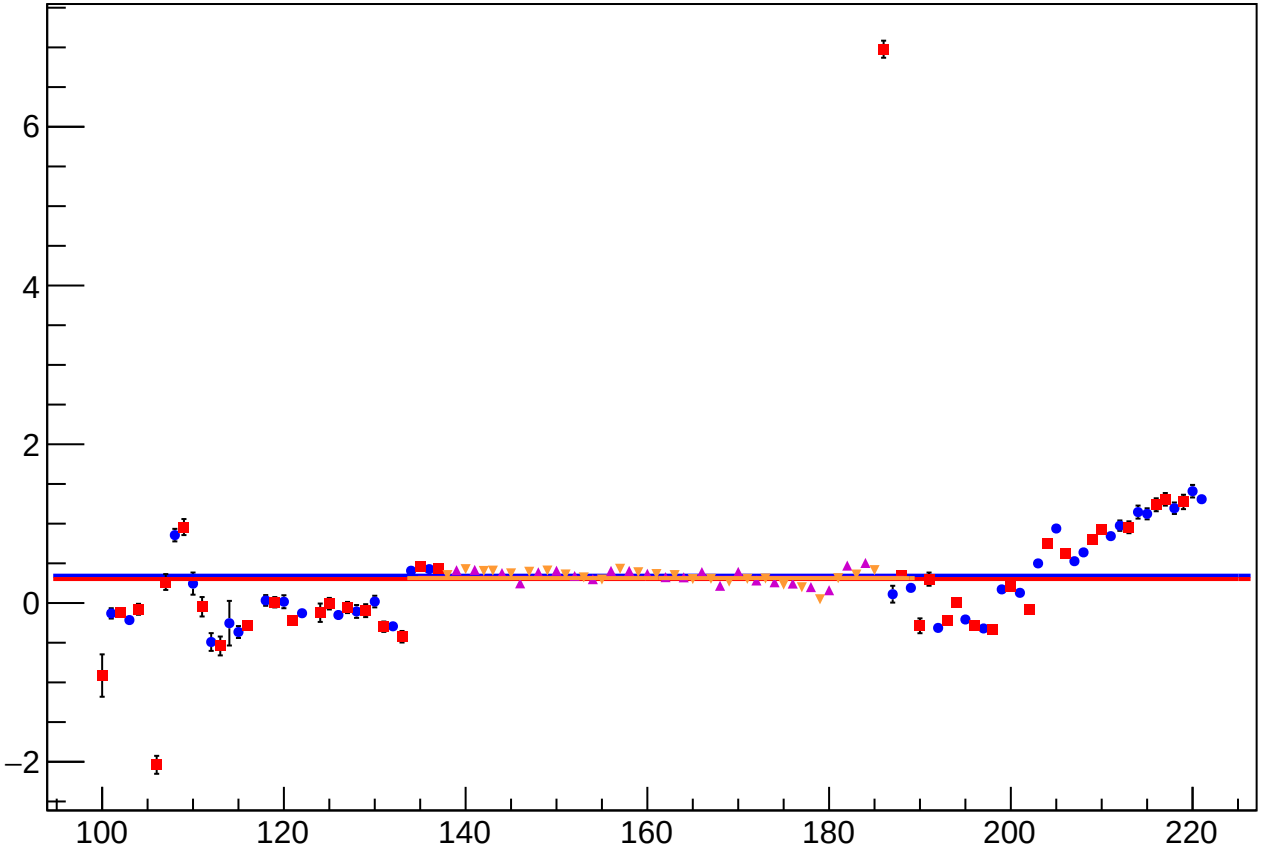
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.268+/-0.045 χ^2/NDF: 13921.4/58

All: 8.443+/-0.032 χ^2/NDF: 28099.9/118

- sign 8.626+/-0.046 χ^2/NDF: 14147.1/59

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.345+/-0.009 χ^2/NDF: 2299.2/33

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.302+/-0.010 χ^2/NDF: 6273.3/36

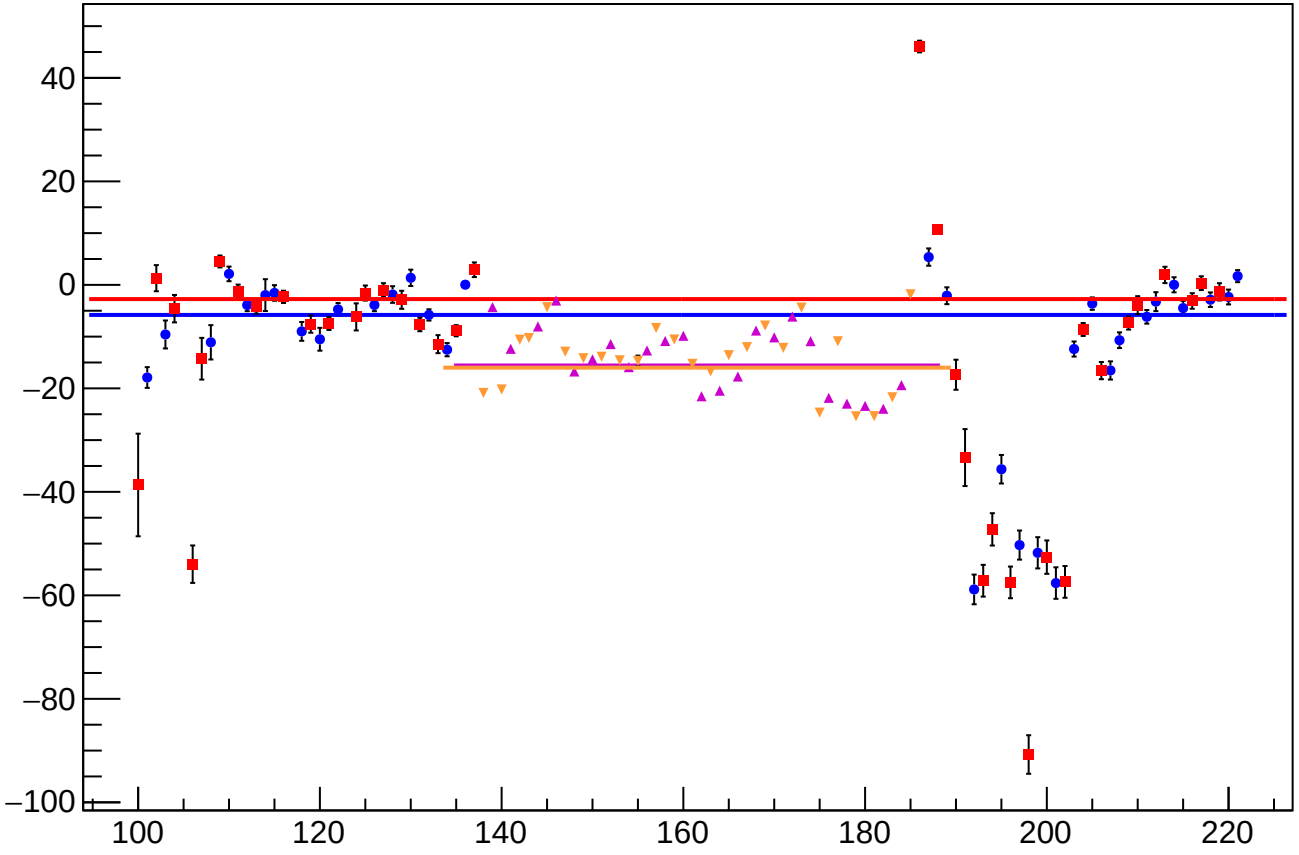
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

\+ sign 0.316+/-0.002 χ^2/NDF: 3913.0/58

All: 0.317+/-0.001 χ^2/NDF: 11977.6/118

\- sign 0.318+/-0.002 χ^2/NDF: 8064.0/59

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -5.807+/-0.257 χ^2/NDF: 1640.6/33

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.746+/-0.264 χ^2/NDF: 4595.0/36

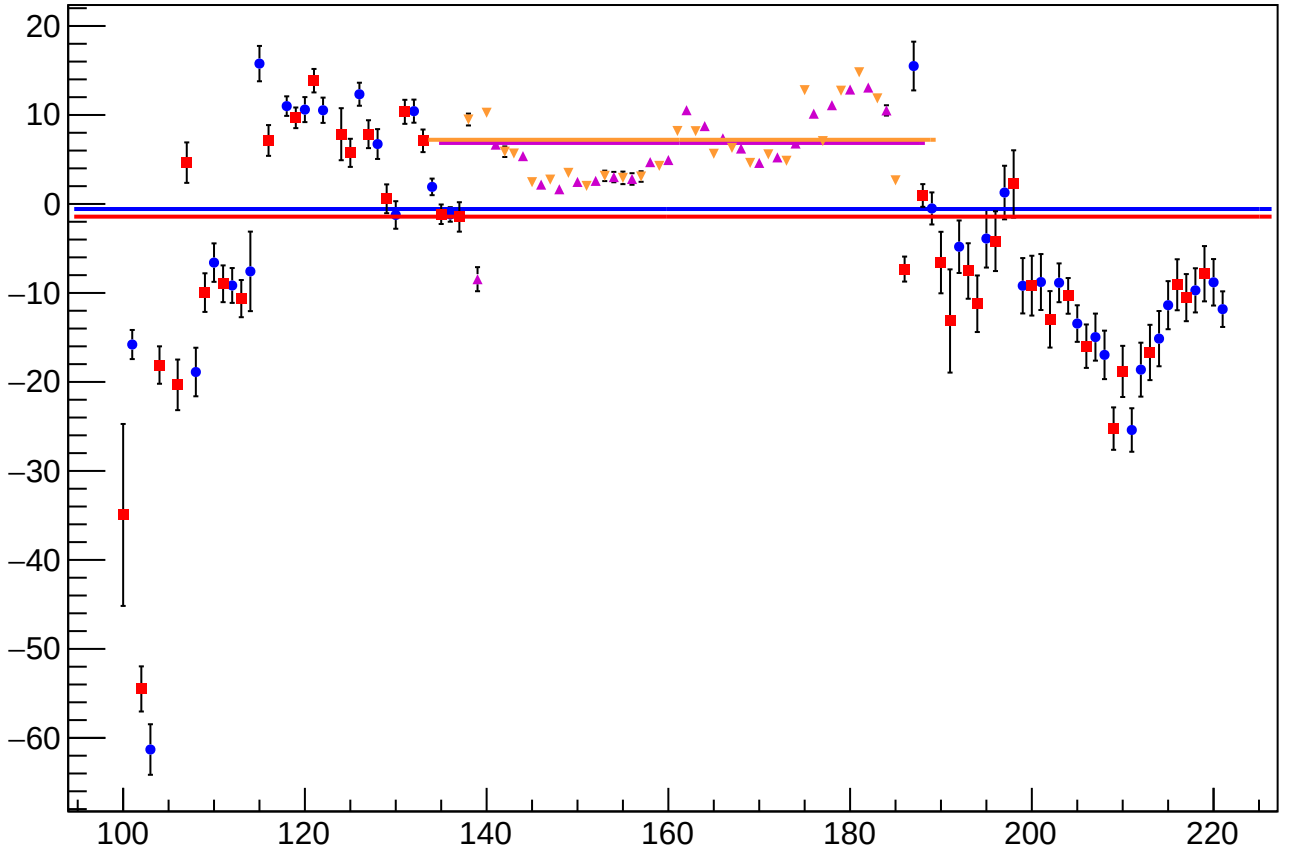
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -14.670+/-0.093 χ^2/NDF: 8976.0/58

All: -14.304+/-0.066 χ^2/NDF: 20416.6/118

- sign -13.918+/-0.095 χ^2/NDF: 11408.5/59

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.567+/-0.307 χ^2/NDF: 1522.7/33

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -1.425+/-0.321 χ^2/NDF: 1349.8/36

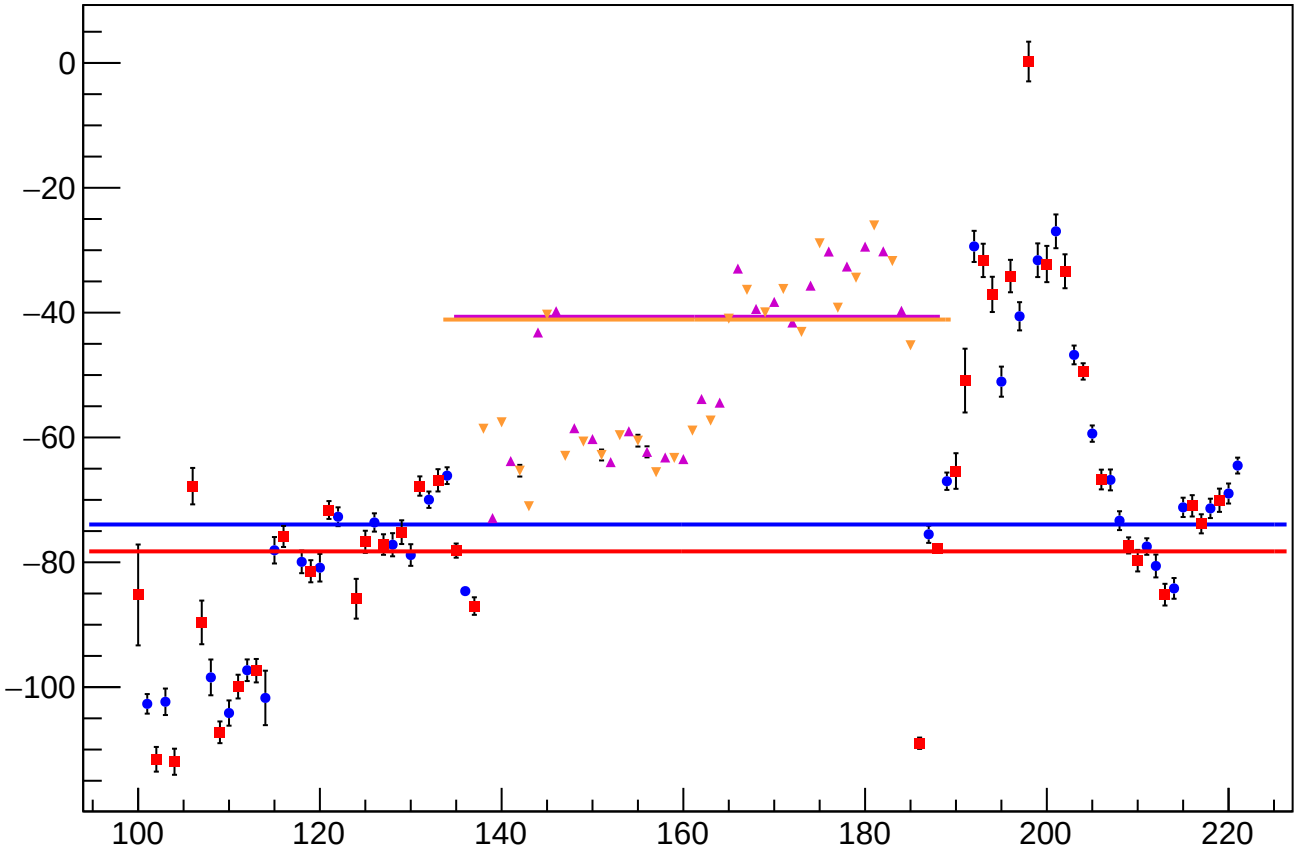
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.716+/-0.077 χ^2/NDF: 4580.4/58

All: 6.541+/-0.055 χ^2/NDF: 8720.9/118

- sign 6.361+/-0.079 χ^2/NDF: 4130.1/59

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -73.942+/-0.272 χ^2/NDF: 3138.1/33

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.251+/-0.276 χ^2/NDF: 4983.8/36

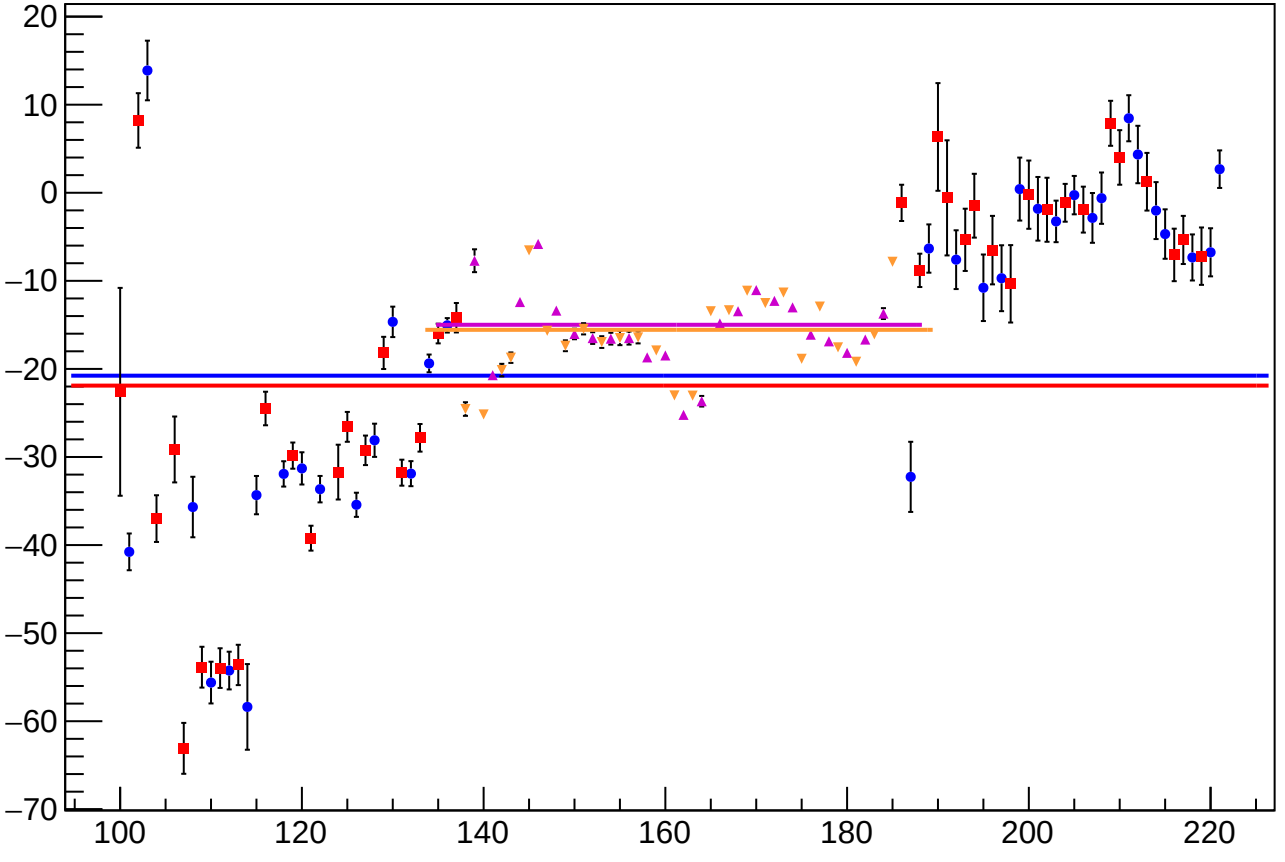
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -45.020+/-0.094 χ^2/NDF: 31972.4/58

All: -45.111+/-0.067 χ^2/NDF: 66836.7/118

\- sign -45.207+/-0.096 χ^2/NDF: 34862.3/59

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -20.768+/-0.342 χ^2/NDF: 1981.4/33

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -21.895+/-0.367 χ^2/NDF: 2058.0/36

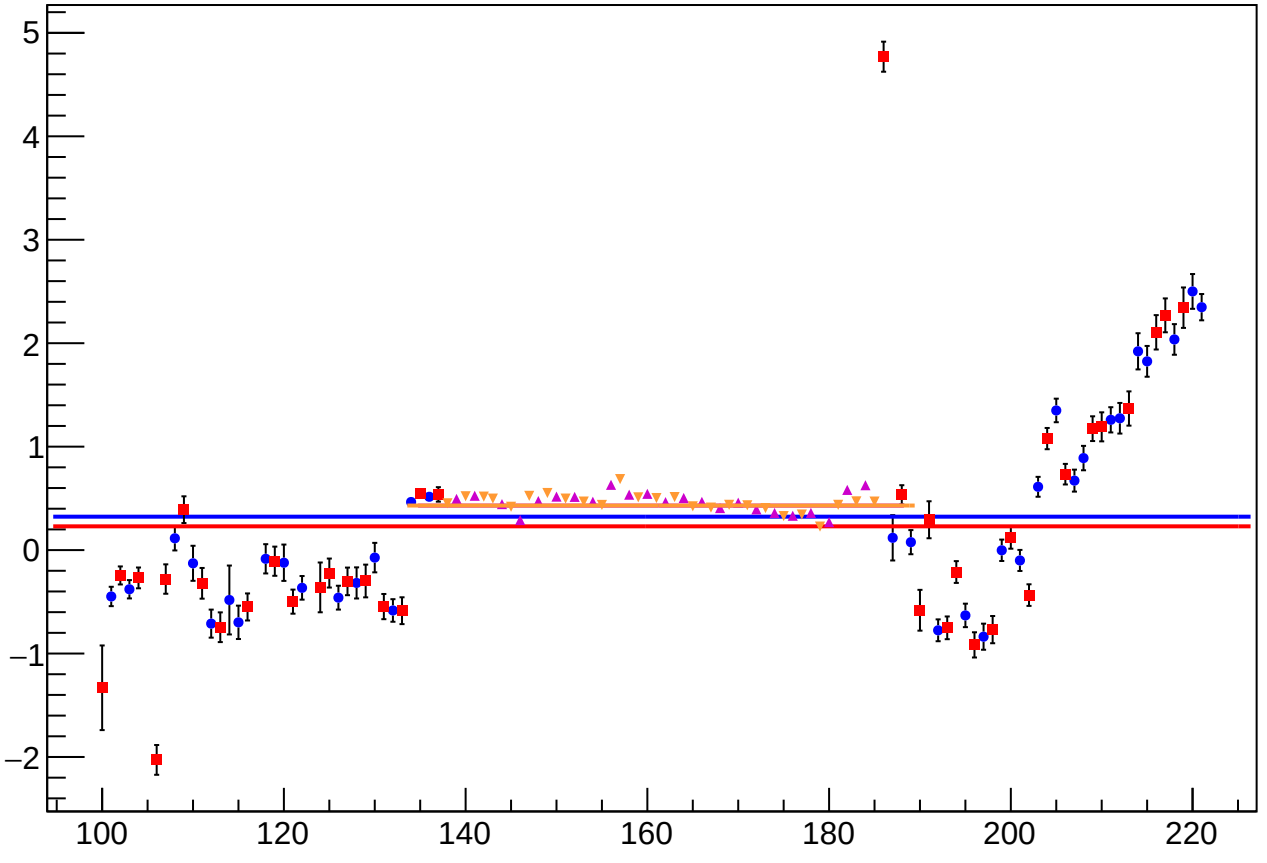
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.892+/-0.086 χ^2/NDF: 4748.4/58

All: -15.643+/-0.061 χ^2/NDF: 9307.9/118

- sign -15.384+/-0.088 χ^2/NDF: 4542.4/59

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.323+/-0.017 χ^2/NDF: 1740.0/33

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.230+/-0.019 χ^2/NDF: 2603.7/36

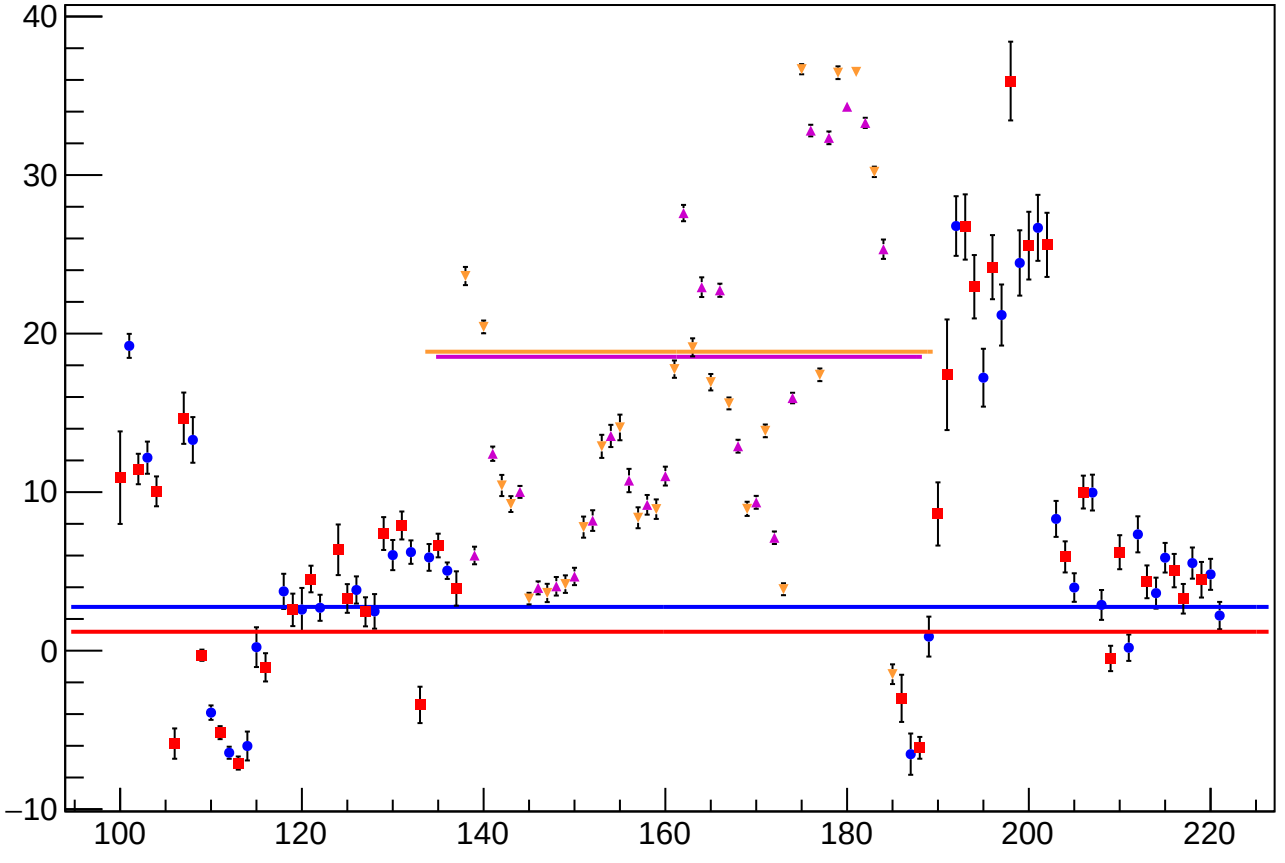
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.425+/-0.004 χ^2/NDF: 2195.5/58

All: 0.423+/-0.003 χ^2/NDF: 5491.8/118

- sign 0.421+/-0.004 χ^2/NDF: 3295.7/59

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.760+/-0.151 χ^2/NDF: 2306.4/33

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.194+/-0.144 χ^2/NDF: 2394.0/36

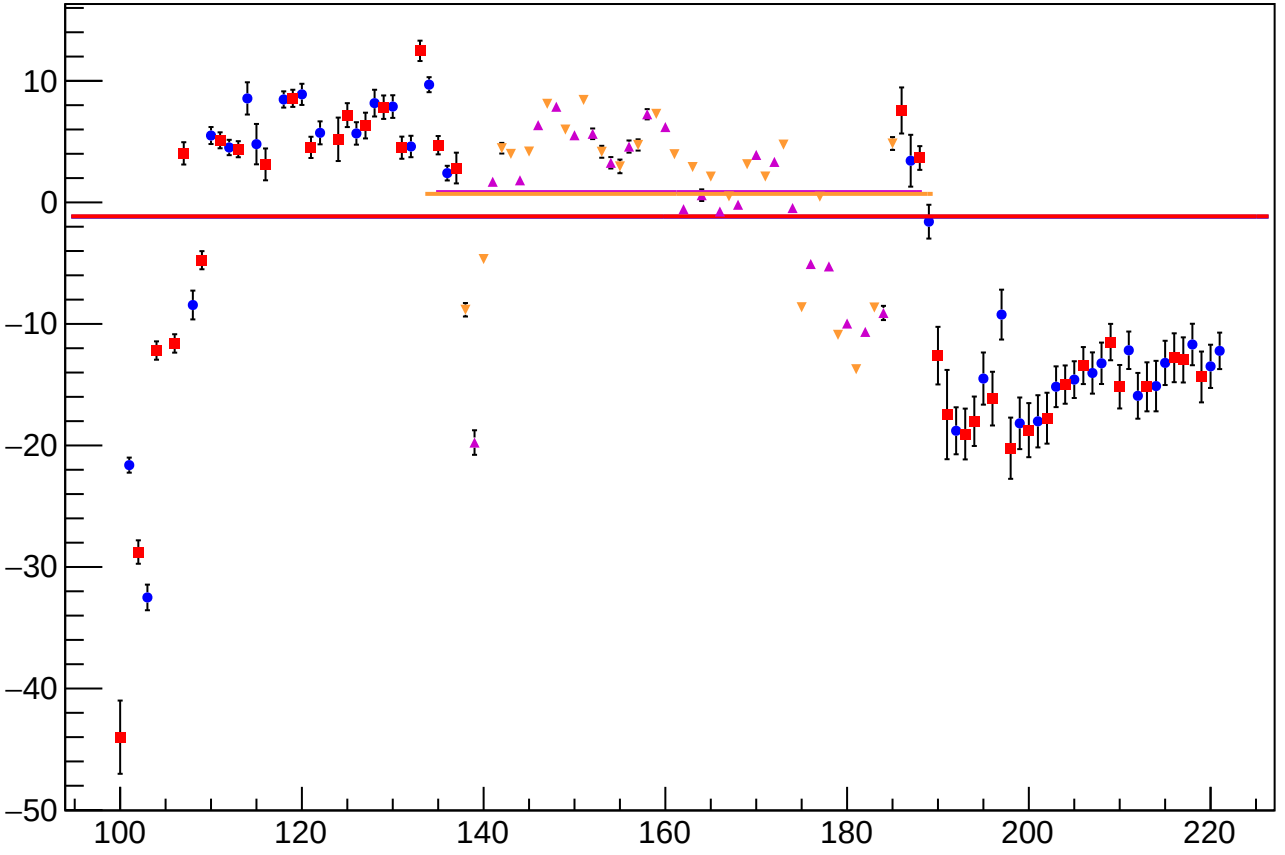
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.591+/-0.078 χ^2/NDF: 29083.6/58

All: 14.012+/-0.055 χ^2/NDF: 55859.3/118

- sign 13.421+/-0.078 χ^2/NDF: 26662.9/59

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -1.175+/-0.183 χ^2/NDF: 4111.7/33

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.146+/-0.183 χ^2/NDF: 3352.4/36

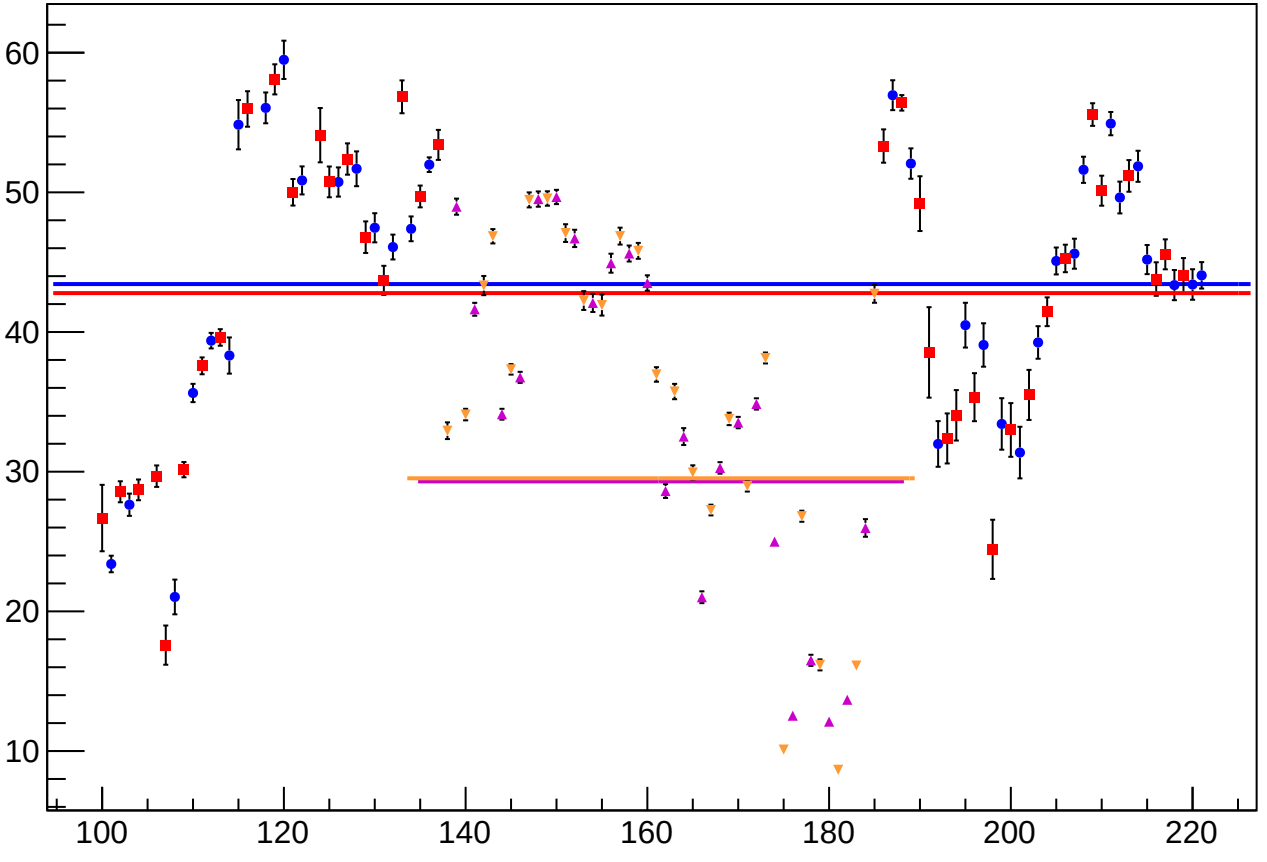
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.459+/-0.066 χ^2/NDF: 12441.1/58

All: 0.516+/-0.047 χ^2/NDF: 21943.3/118

- sign 0.576+/-0.067 χ^2/NDF: 9500.6/59

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.433+/-0.165 χ^2/NDF: 3570.1/33

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.785+/-0.163 χ^2/NDF: 4124.7/36

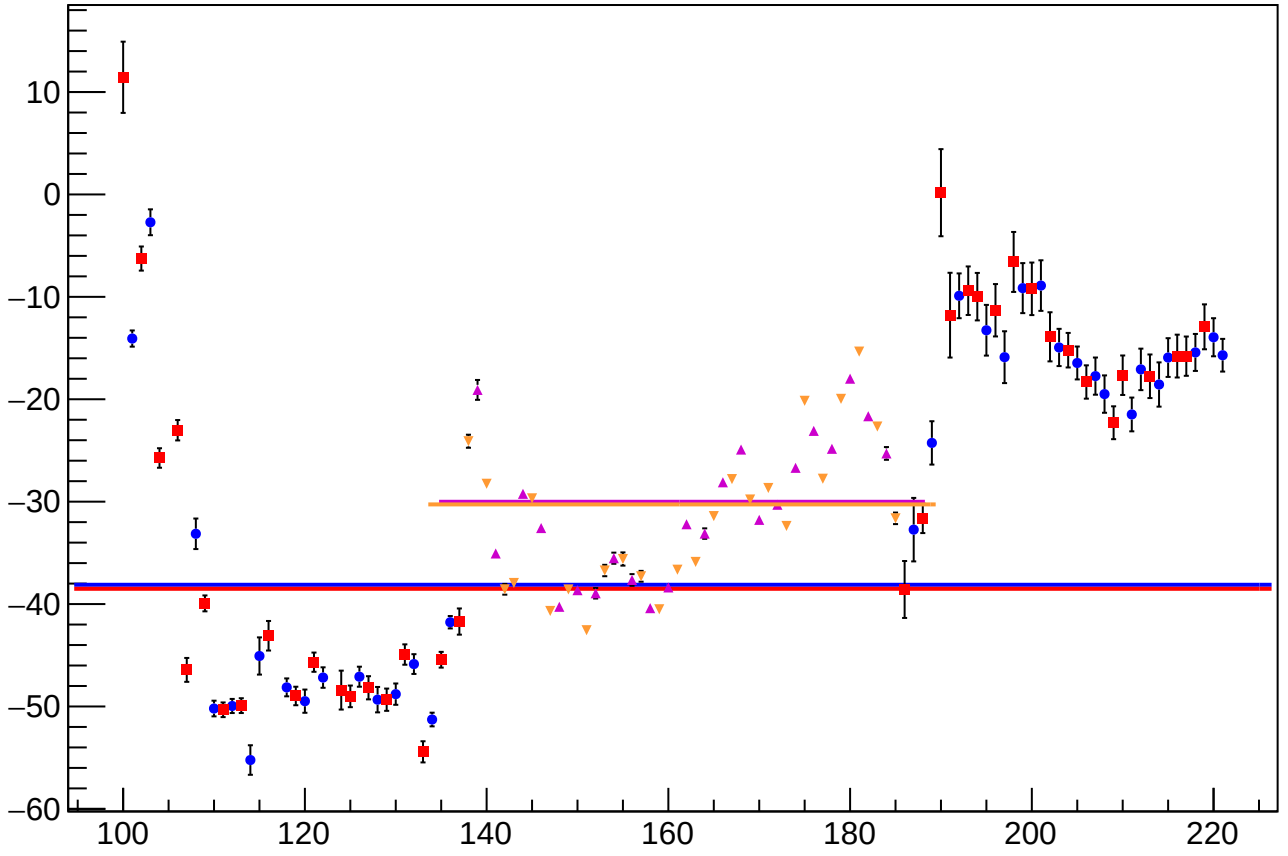
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.737+/-0.079 χ^2/NDF: 30096.3/58

All: 32.682+/-0.057 χ^2/NDF: 57255.5/118

- sign 32.625+/-0.081 χ^2/NDF: 27158.2/59

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -38.117+/-0.206 χ^2/NDF: 5691.5/33

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -38.508+/-0.208 χ^2/NDF: 4786.9/36

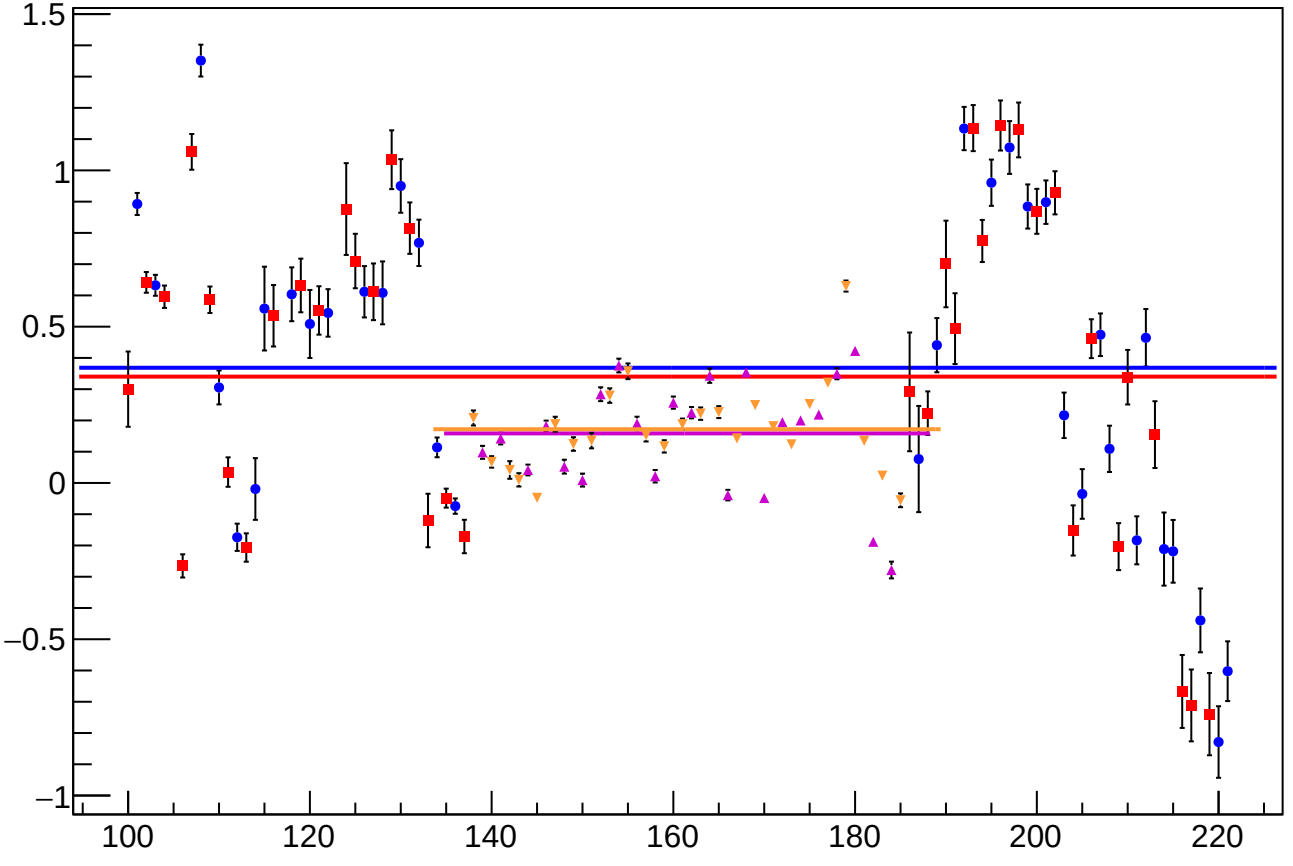
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.281+/-0.074 χ^2/NDF: 15457.1/58

All: -31.210+/-0.053 χ^2/NDF: 27773.7/118

- sign -31.136+/-0.076 χ^2/NDF: 12314.7/59

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.369+/-0.010 χ^2/NDF: 2123.5/33

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.340+/-0.010 χ^2/NDF: 2015.1/36

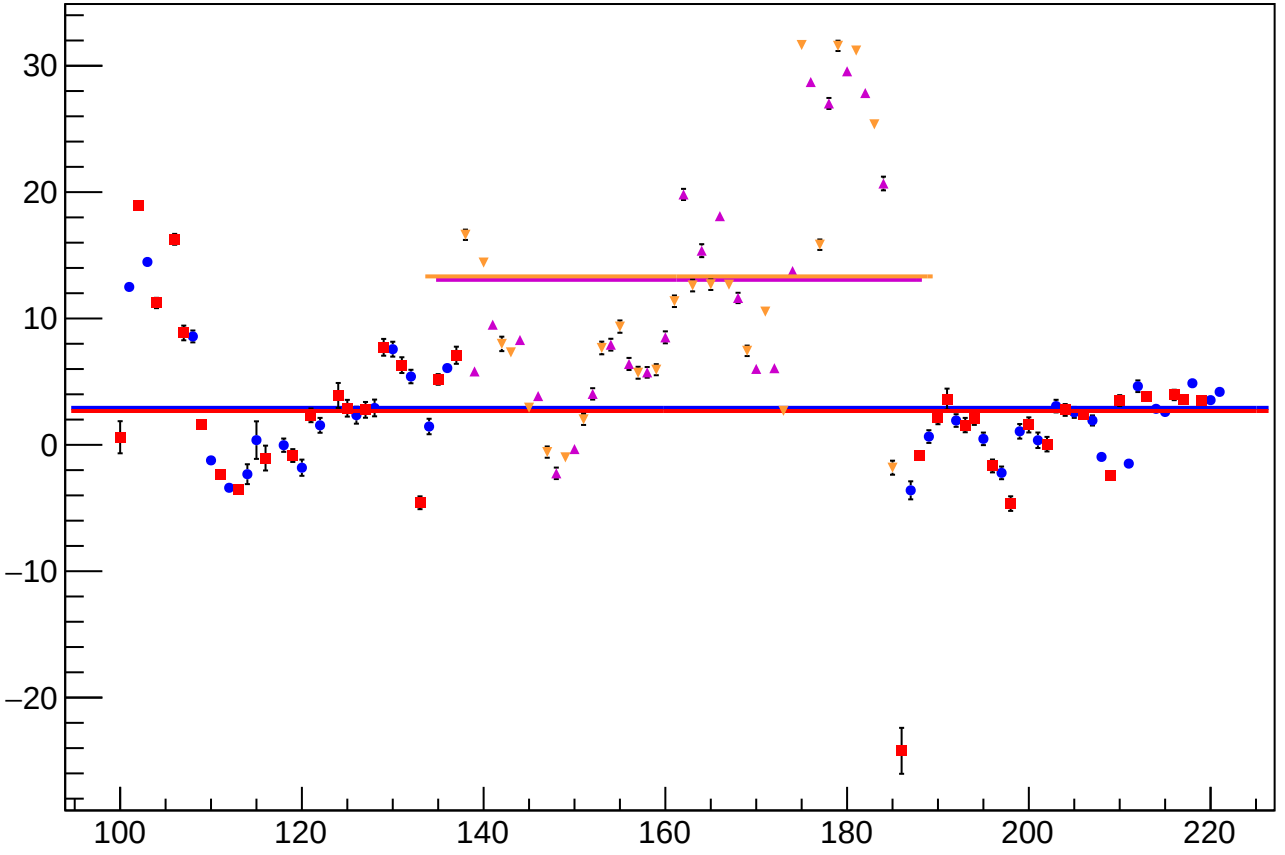
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.193+/-0.003 χ^2/NDF: 3946.9/58

All: 0.186+/-0.002 χ^2/NDF: 8431.4/118

- sign 0.178+/-0.003 χ^2/NDF: 4475.8/59

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.929+/-0.076 χ^2/NDF: 3402.0/33

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.680+/-0.075 χ^2/NDF: 5421.6/36

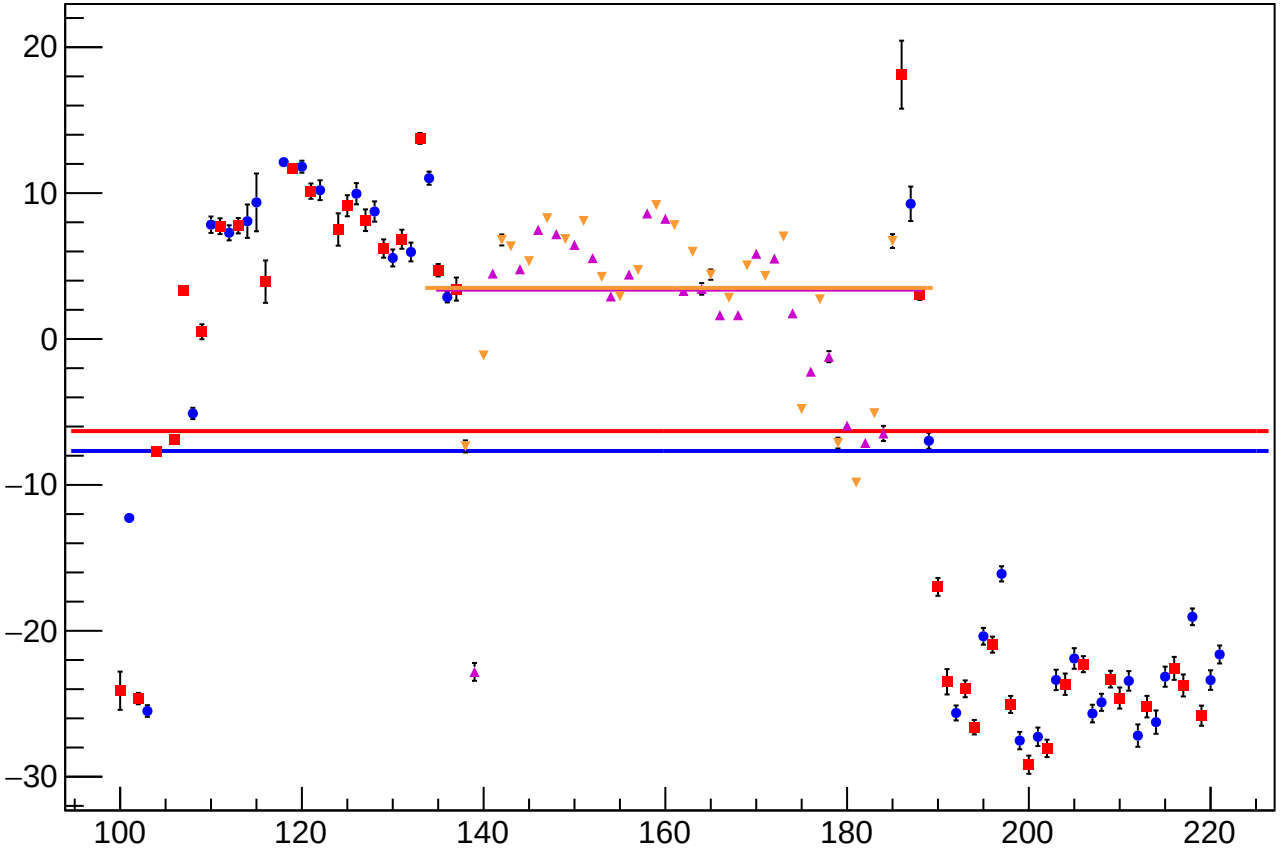
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.100+/-0.054 χ^2/NDF: 32067.4/58

All: 7.833+/-0.038 χ^2/NDF: 62170.0/118

- sign 7.563+/-0.054 χ^2/NDF: 30053.7/59

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.674+/-0.091 χ^2/NDF: 26295.5/33

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -6.312+/-0.088 χ^2/NDF: 28128.4/36

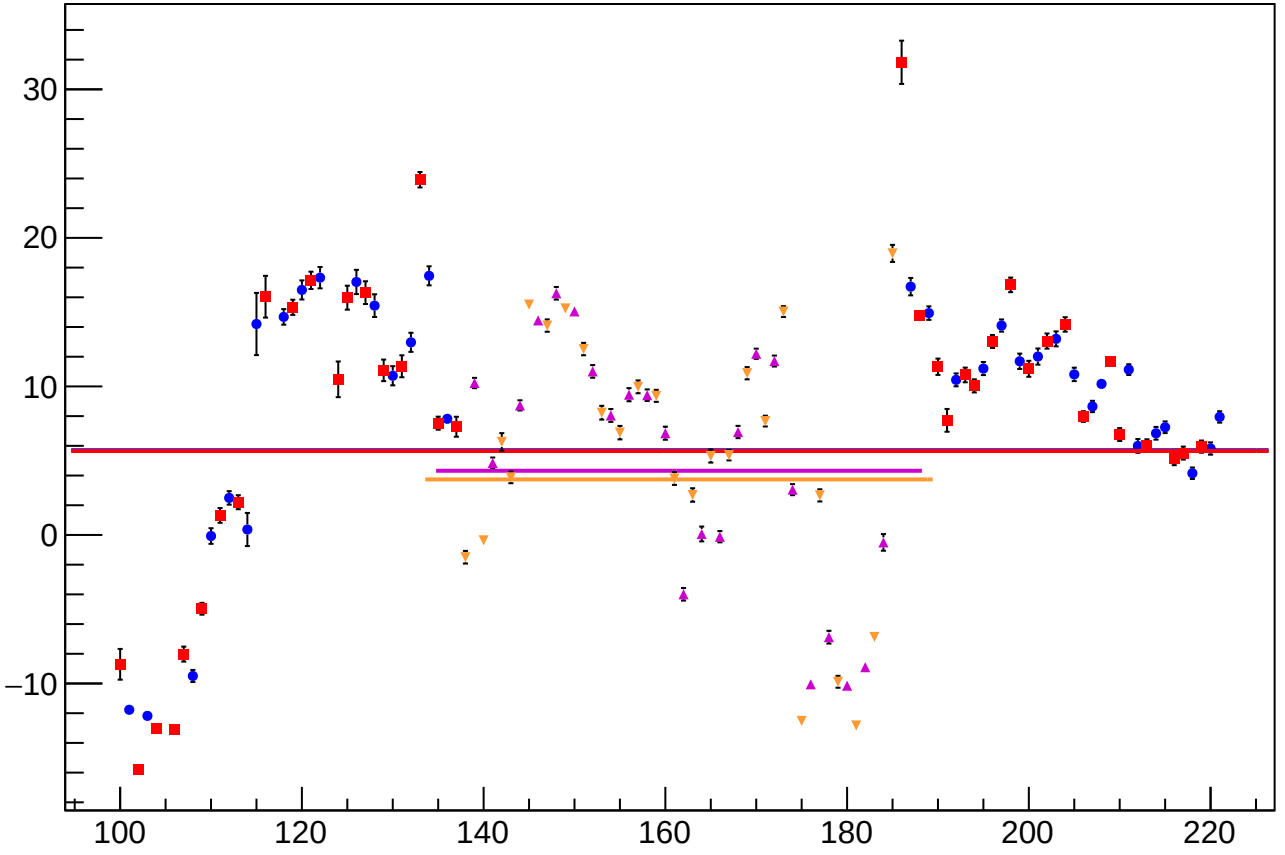
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

\+ sign 0.255+/-0.049 χ^2/NDF: 44791.3/58

All: 0.253+/-0.035 χ^2/NDF: 87794.3/118

\- sign 0.251+/-0.050 χ^2/NDF: 43003.0/59

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.703+/-0.077 χ^2/NDF: 14197.5/33

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.653+/-0.075 χ^2/NDF: 20398.0/36

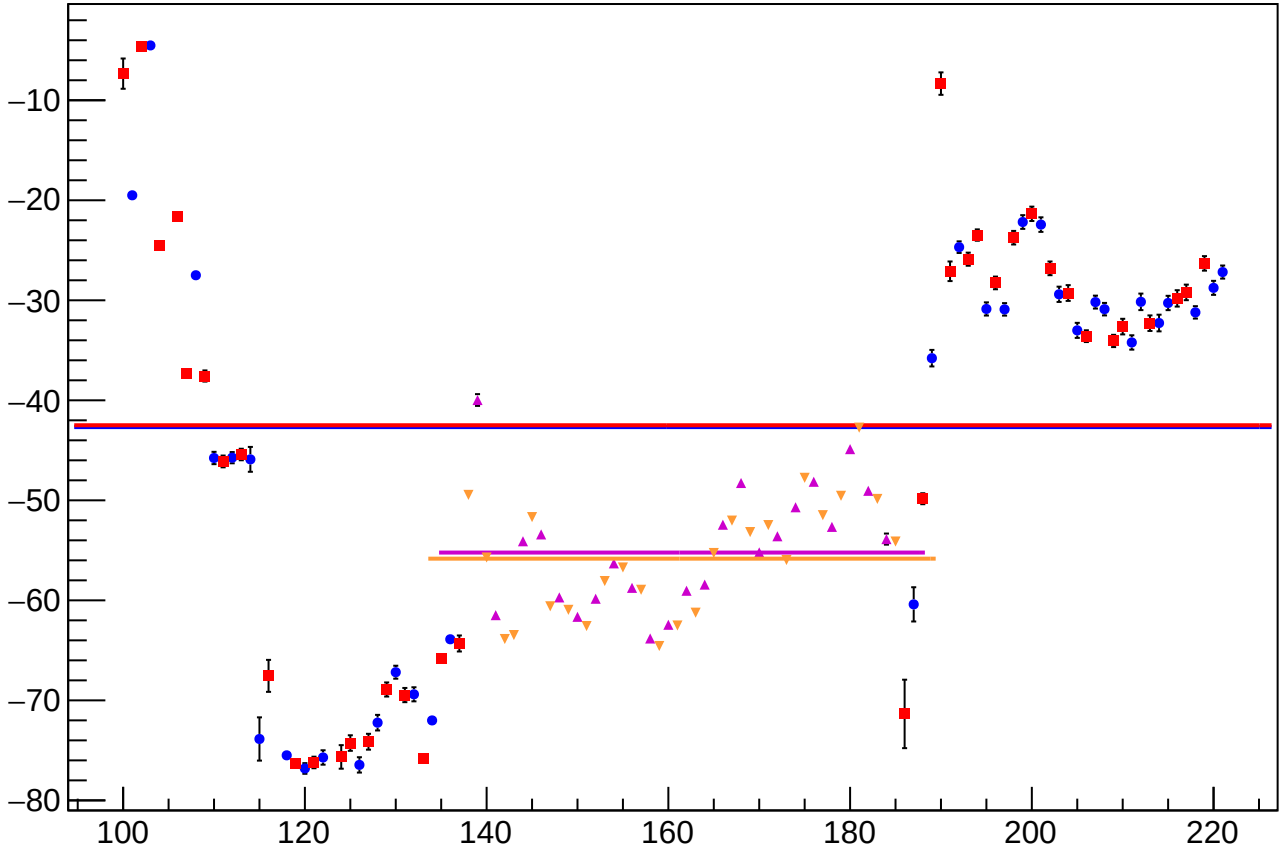
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.716+/-0.054 χ^2/NDF: 30113.4/58

All: 4.868+/-0.038 χ^2/NDF: 63161.0/118

- sign 5.021+/-0.054 χ^2/NDF: 33031.7/59

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -42.677+/-0.105 χ^2/NDF: 44549.6/33

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

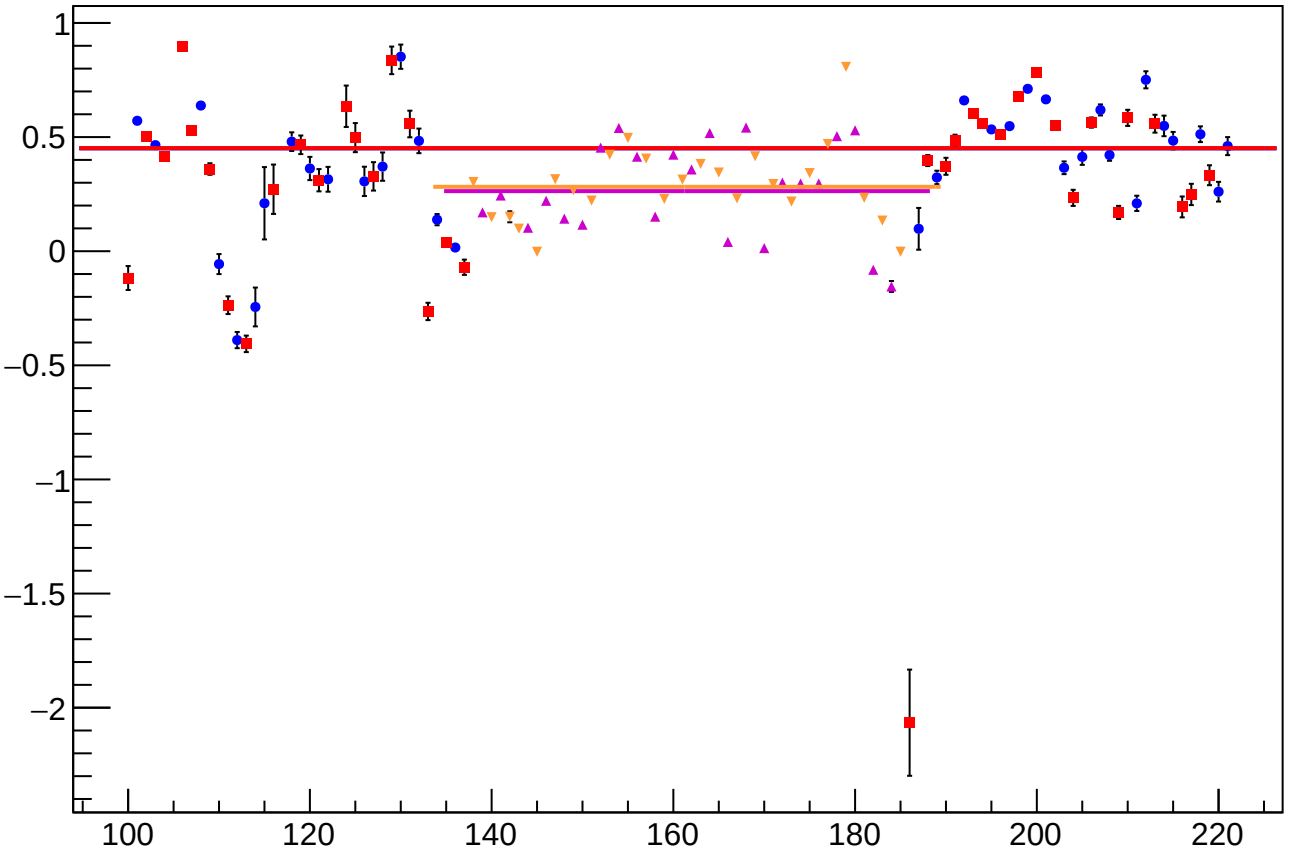
Right Out: -42.493+/-0.103 χ^2/NDF: 45086.8/36

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.096+/-0.056 χ^2/NDF: 63308.0/58

All: -51.718+/-0.040 χ^2/NDF: 125339.0/118

- sign -51.325+/-0.057 χ^2/NDF: 61938.3/59



Right In: 0.450+/-0.005 χ^2/NDF: 2752.4/33

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.452+/-0.004 χ^2/NDF: 3829.3/36

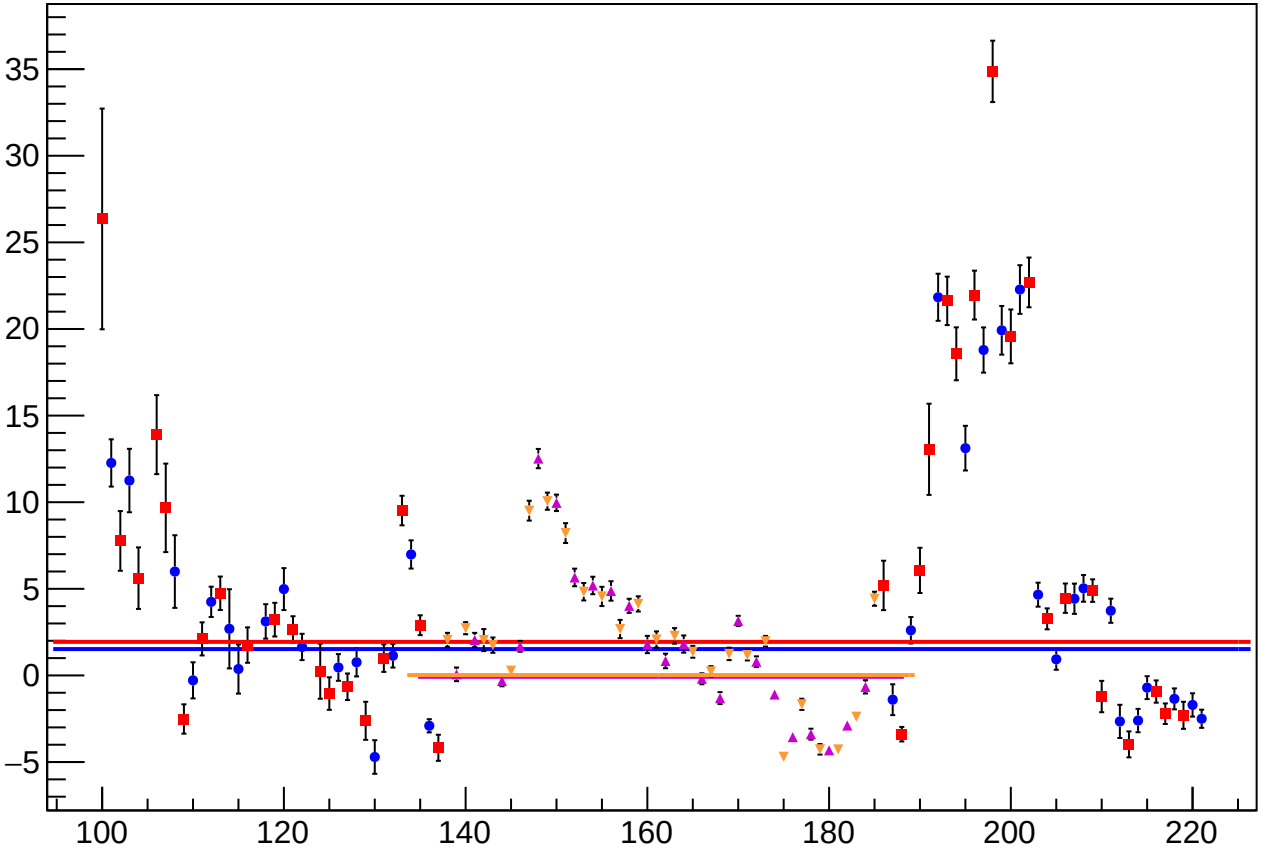
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.333+/-0.002 χ^2/NDF: 6433.7/58

All: 0.329+/-0.002 χ^2/NDF: 15377.3/118

- sign 0.325+/-0.002 χ^2/NDF: 8938.6/59

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.521+/-0.139 χ^2/NDF: 1461.0/33

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.937+/-0.147 χ^2/NDF: 1897.0/36

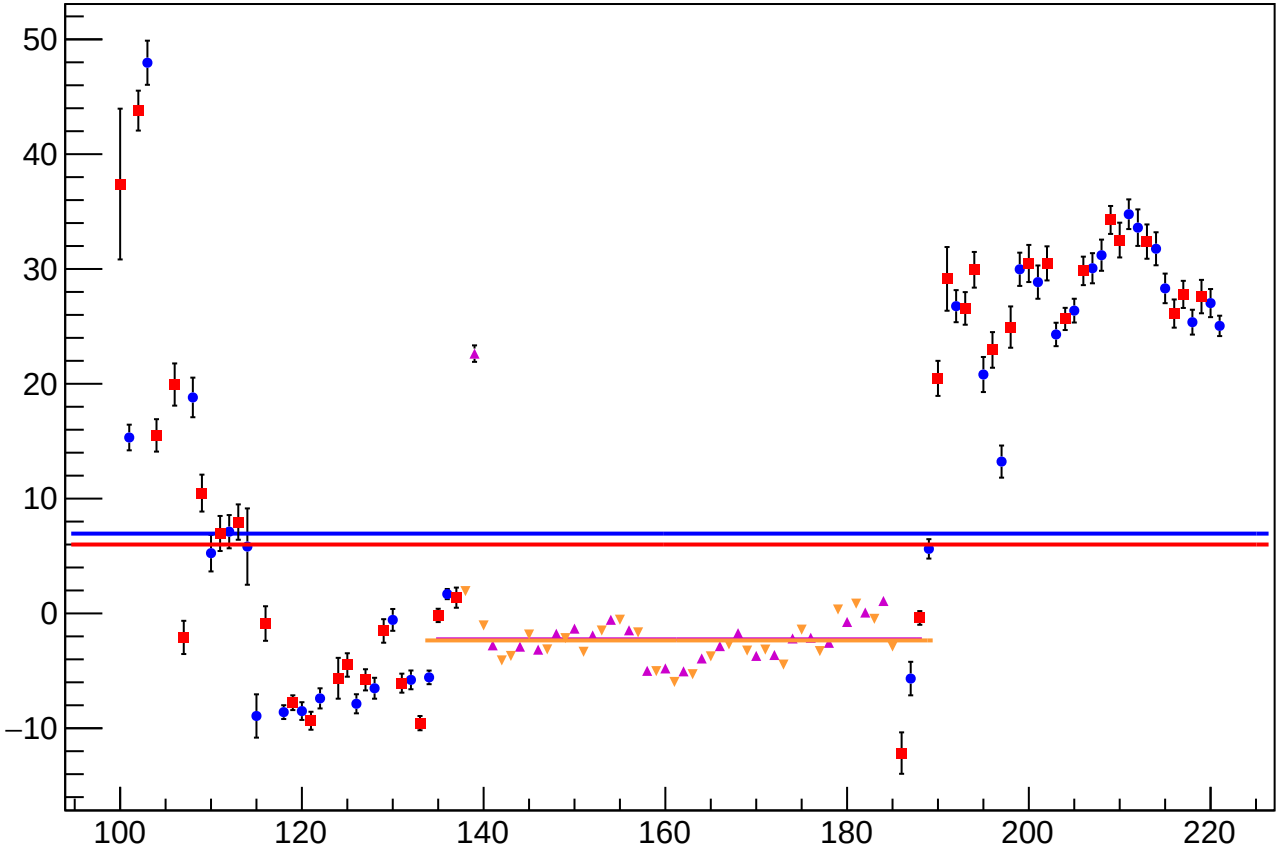
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.316+/-0.061 χ^2/NDF: 4314.1/58

All: 0.307+/-0.044 χ^2/NDF: 8828.1/118

- sign 0.298+/-0.064 χ^2/NDF: 4514.0/59

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 6.951+/-0.172 χ^2/NDF: 7818.9/33

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 6.001+/-0.181 χ^2/NDF: 7175.2/36

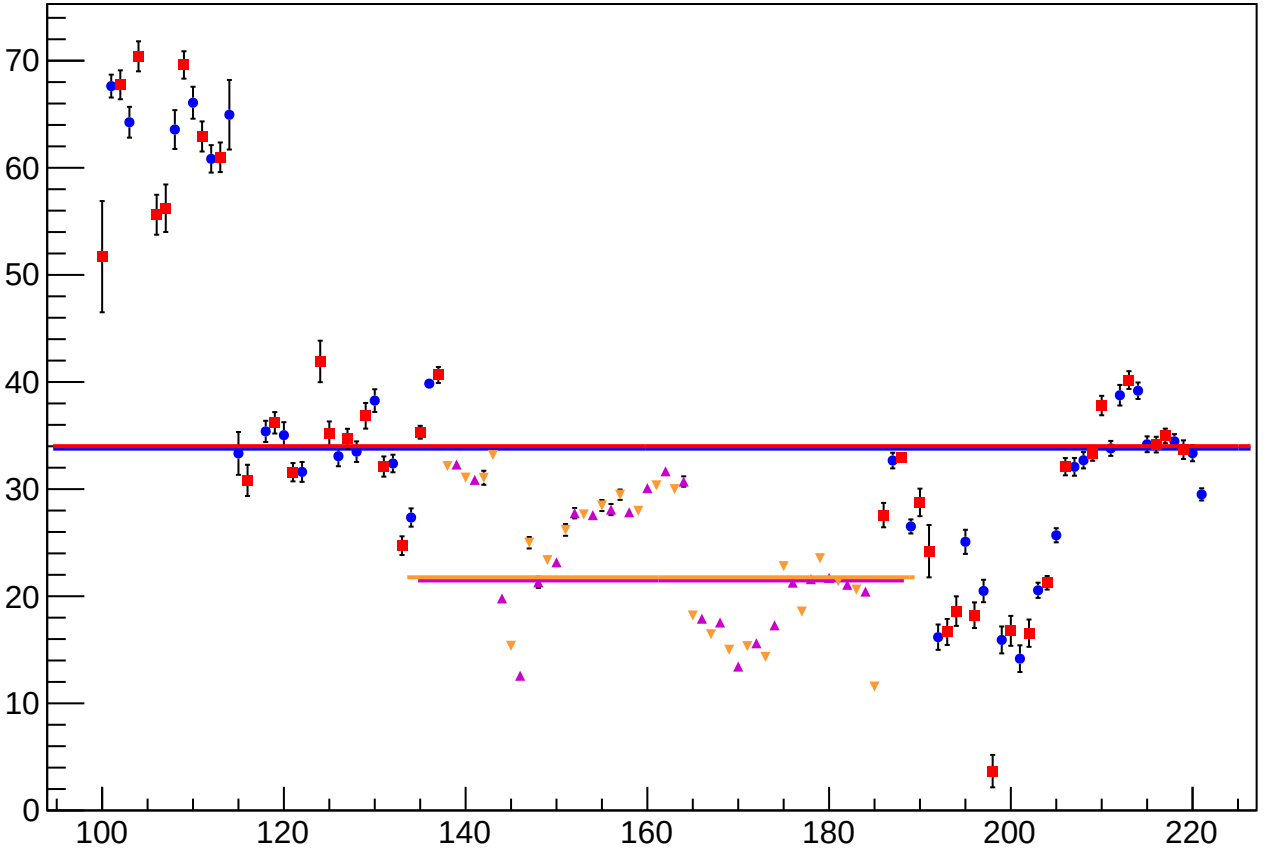
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.488+/-0.052 χ^2/NDF: 11592.8/58

All: -1.508+/-0.038 χ^2/NDF: 22533.7/118

- sign -1.530+/-0.054 χ^2/NDF: 10940.6/59

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 33.779+/-0.145 χ^2/NDF: 4721.4/33

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.012+/-0.151 χ^2/NDF: 5170.3/36

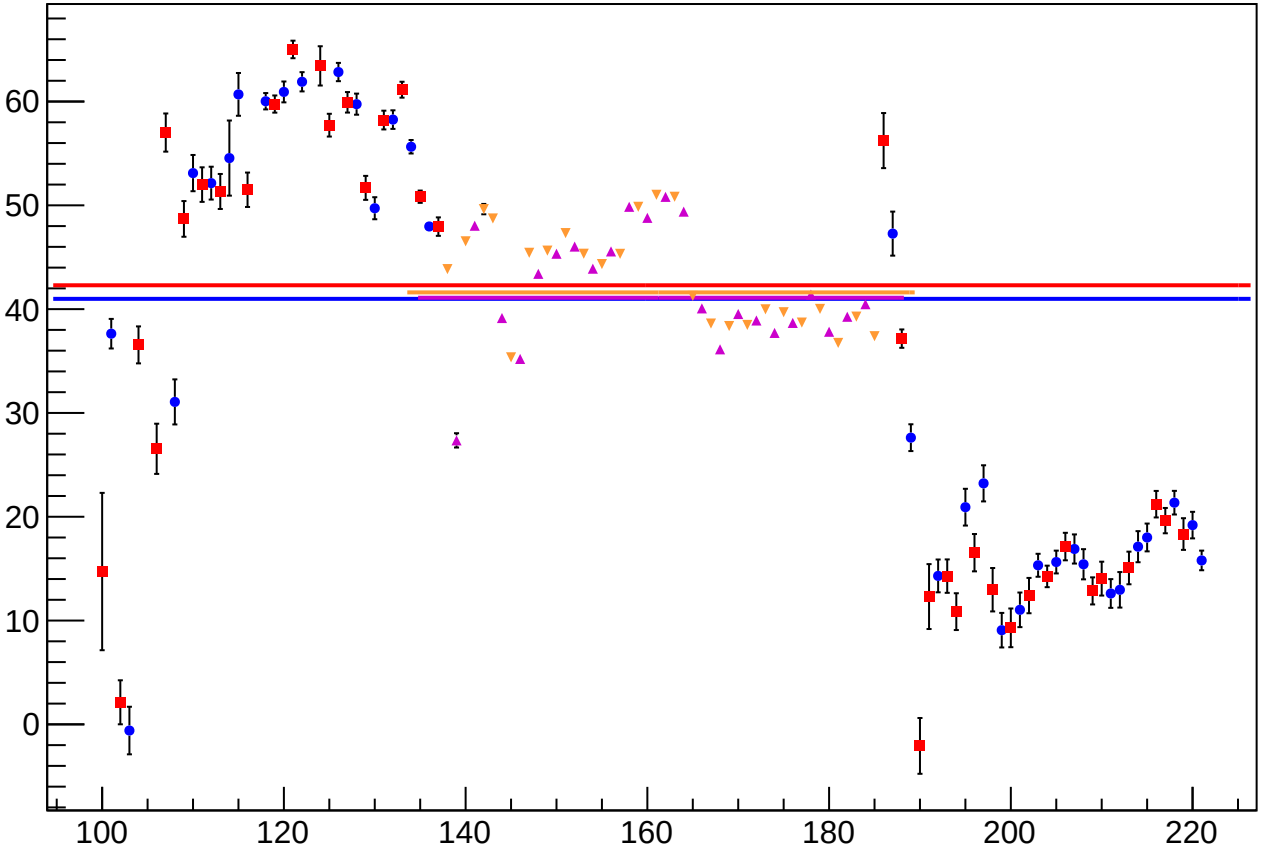
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.985+/-0.062 χ^2/NDF: 17149.3/58

All: 23.860+/-0.045 χ^2/NDF: 33790.4/118

- sign 23.729+/-0.064 χ^2/NDF: 16632.9/59

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 40.991+/-0.192 χ^2/NDF: 9733.3/33

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

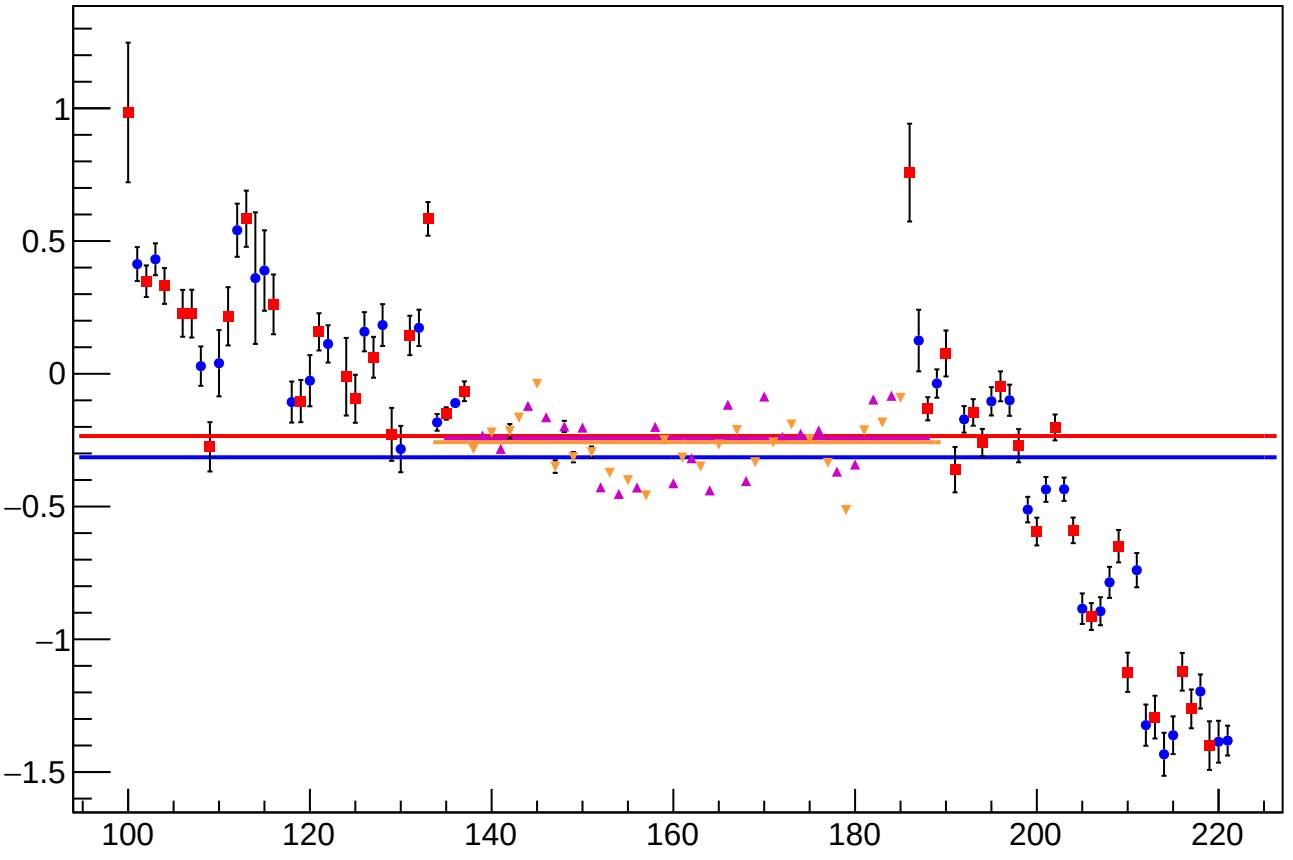
Right Out: 42.299+/-0.207 χ^2/NDF: 8771.5/36

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.556+/-0.058 χ^2/NDF: 15518.8/58

All: 41.382+/-0.042 χ^2/NDF: 29817.5/118

- sign 41.199+/-0.060 χ^2/NDF: 14280.4/59



Right In: -0.314+/-0.009 χ^2/NDF: 2490.2/33

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.234+/-0.010 χ^2/NDF: 1845.6/36

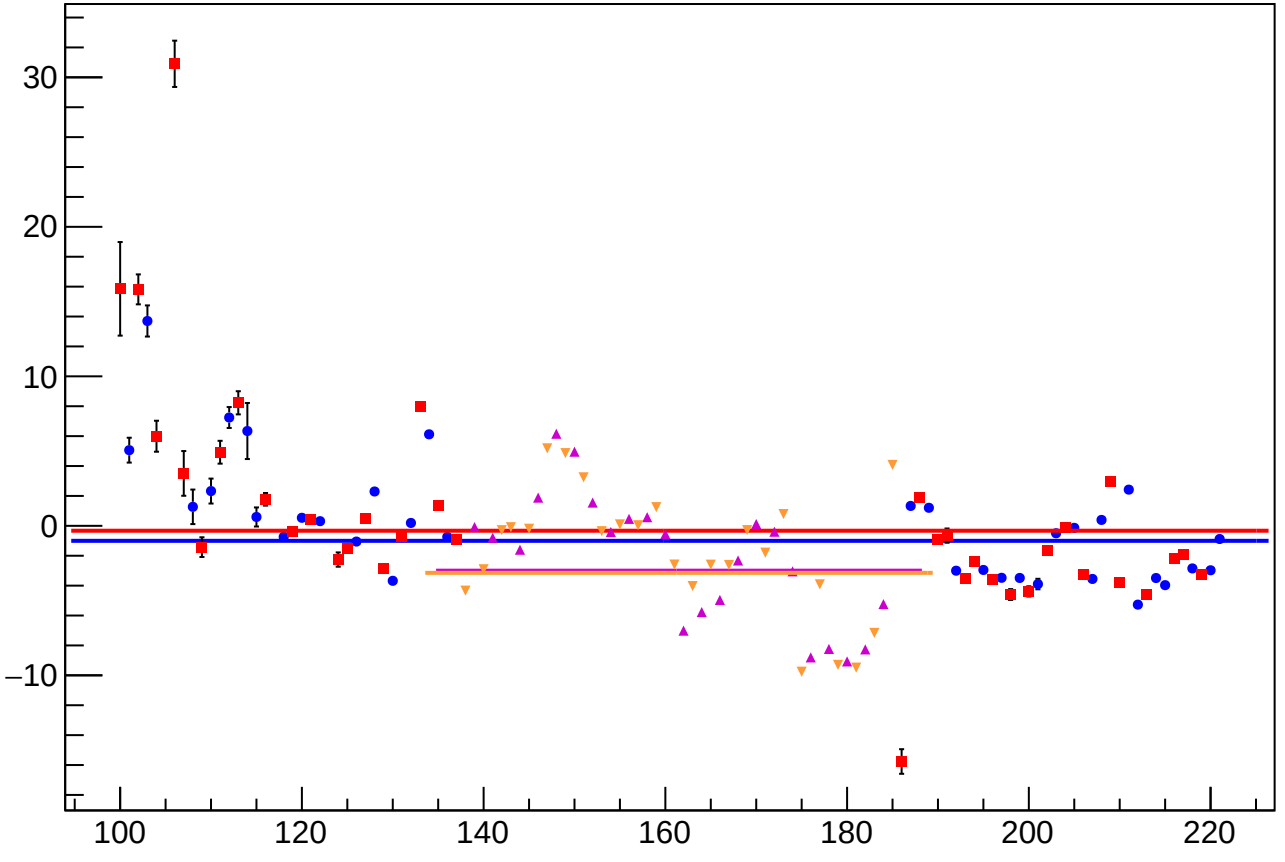
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.262+/-0.003 χ^2/NDF: 4039.2/58

All: -0.252+/-0.002 χ^2/NDF: 7724.7/118

- sign -0.242+/-0.003 χ^2/NDF: 3658.0/59

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.003+/-0.042 χ^2/NDF: 3399.5/33

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.327+/-0.044 χ^2/NDF: 5932.9/36

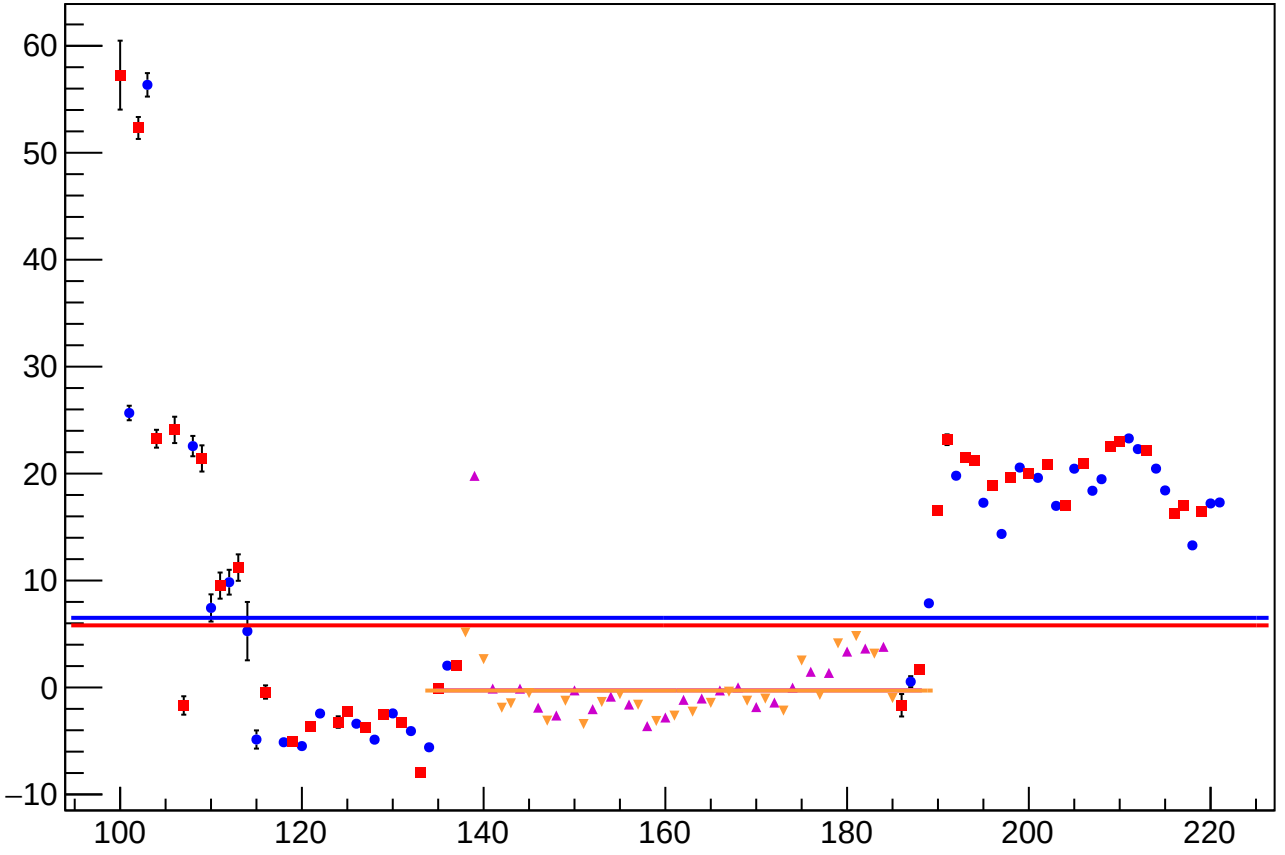
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.499+/-0.023 χ^2/NDF: 30555.1/58

All: -2.353+/-0.017 χ^2/NDF: 61637.2/118

- sign -2.198+/-0.024 χ^2/NDF: 31000.1/59

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 6.512+/-0.052 χ^2/NDF: 47317.2/33

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.807+/-0.052 χ^2/NDF: 53764.6/36

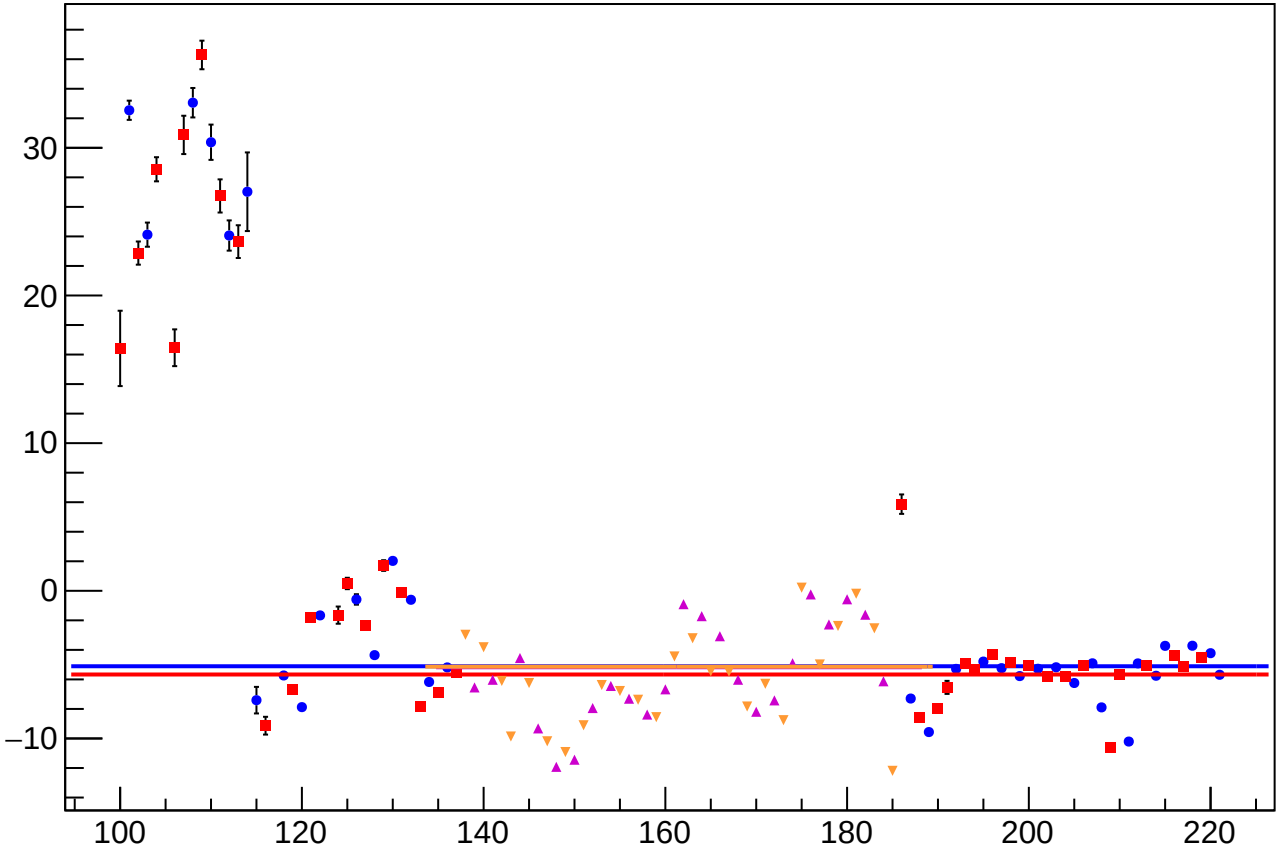
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.733+/-0.020 χ^2/NDF: 74111.5/58

All: 0.709+/-0.014 χ^2/NDF: 152771.0/118

- sign 0.683+/-0.020 χ^2/NDF: 78656.5/59

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.109+/-0.043 χ^2/NDF: 10829.7/33

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.667+/-0.043 χ^2/NDF: 11574.2/36

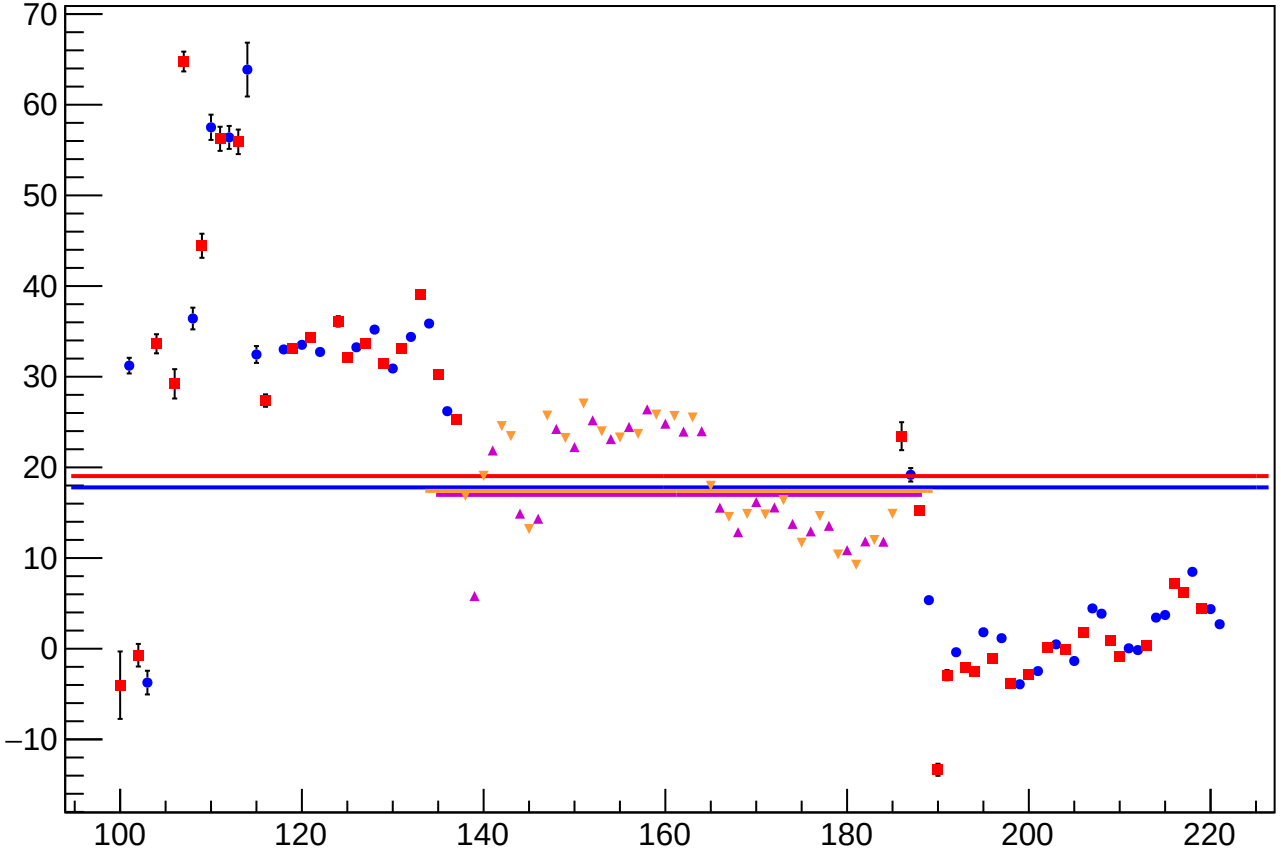
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.129+/-0.023 χ^2/NDF: 25456.0/58

All: -5.226+/-0.017 χ^2/NDF: 51119.0/118

- sign -5.326+/-0.024 χ^2/NDF: 25628.2/59

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 17.794+/-0.059 χ^2/NDF: 69589.8/33

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

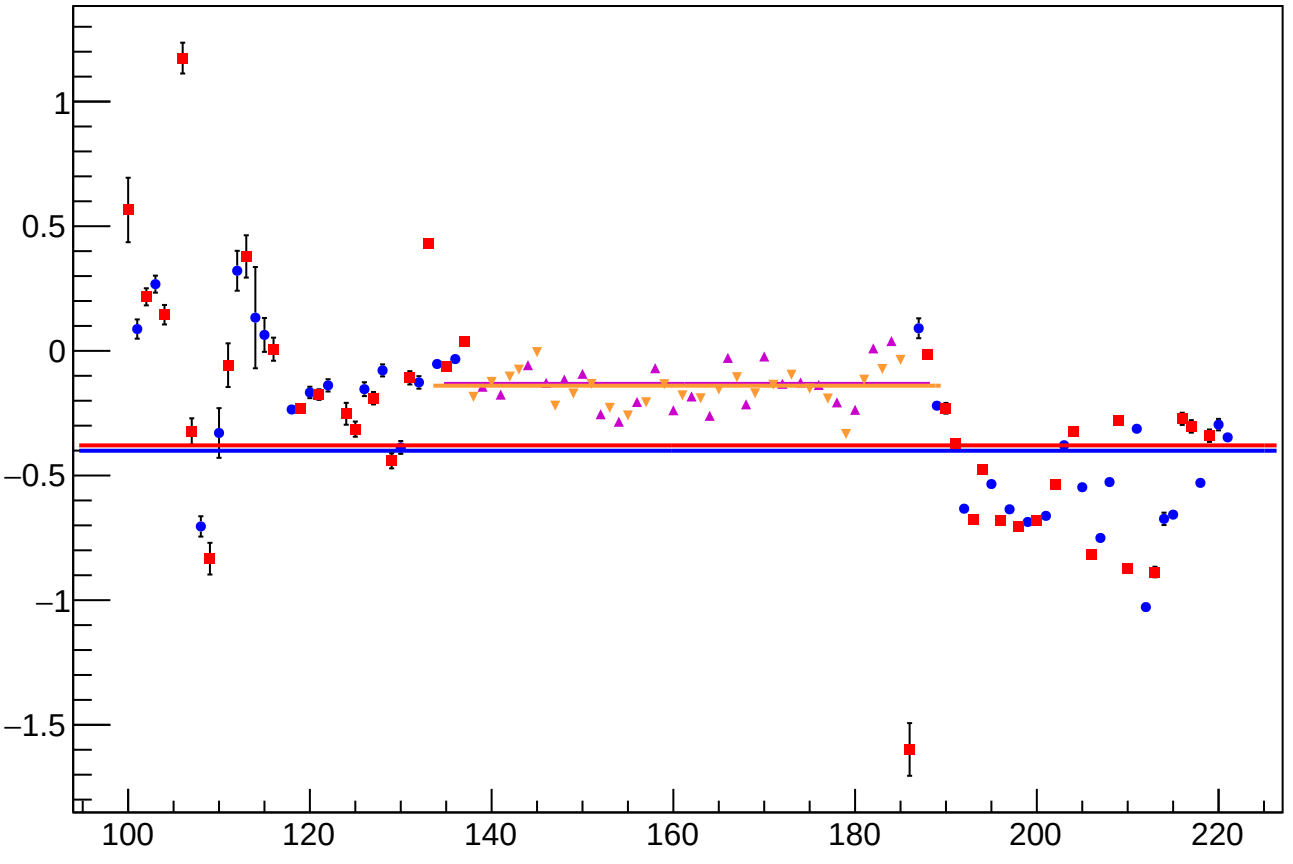
Right Out: 19.038+/-0.060 χ^2/NDF: 79896.0/36

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.465+/-0.023 χ^2/NDF: 120257.0/58

All: 17.372+/-0.016 χ^2/NDF: 241147.6/118

- sign 17.275+/-0.023 χ^2/NDF: 120855.9/59



Right In: -0.401+/-0.003 χ^2/NDF: 9937.2/33

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

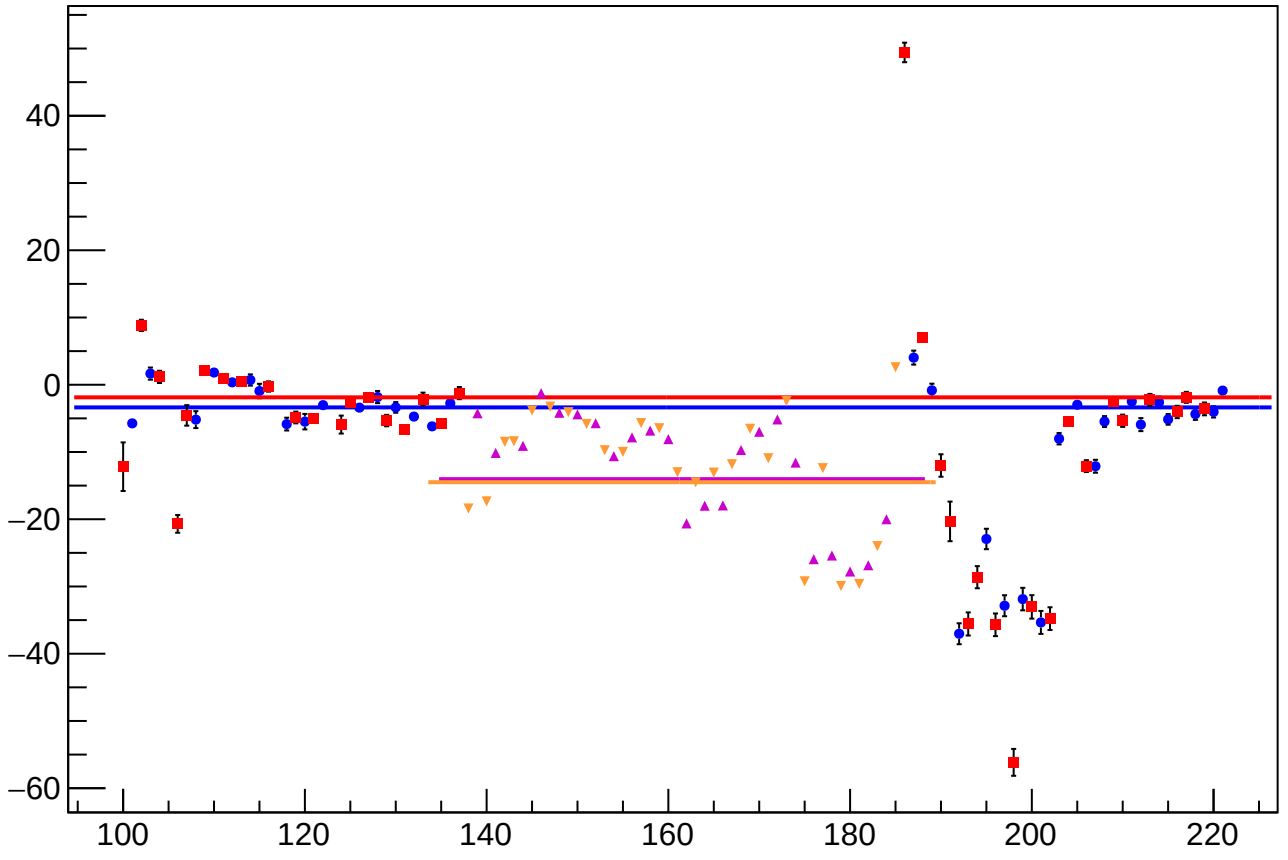
Right Out: -0.379+/-0.003 χ^2/NDF: 14201.1/36

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.175+/-0.001 χ^2/NDF: 21753.7/58

All: -0.171+/-0.001 χ^2/NDF: 48388.8/118

- sign -0.167+/-0.001 χ^2/NDF: 26605.0/59



Right In: -3.367+/-0.128 χ^2/NDF: 2235.4/33

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.873+/-0.125 χ^2/NDF: 5058.9/36

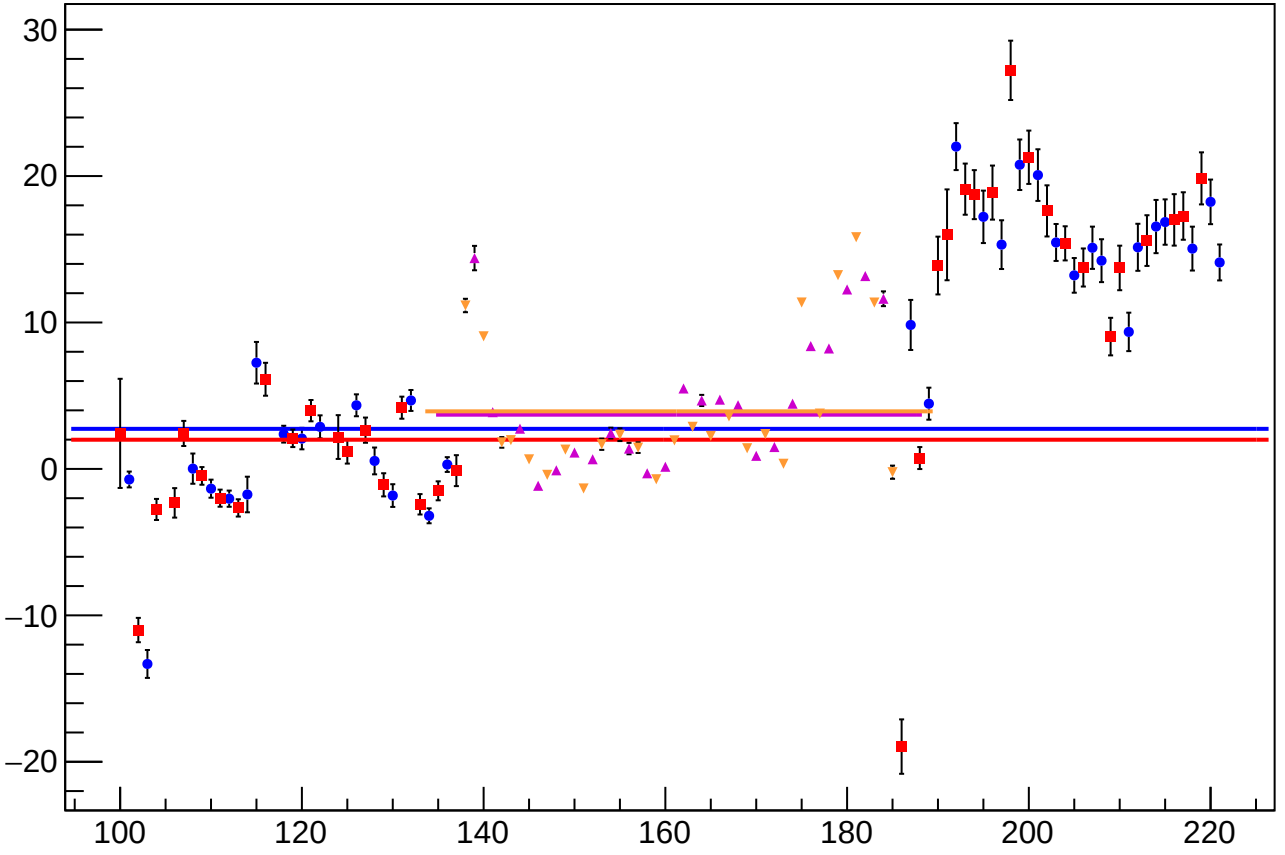
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.656+/-0.065 χ^2/NDF: 25117.7/58

All: -11.196+/-0.046 χ^2/NDF: 50597.6/118

- sign -10.723+/-0.066 χ^2/NDF: 25376.9/59

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.737+/-0.155 χ^2/NDF: 1976.6/33

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.993+/-0.158 χ^2/NDF: 1993.7/36

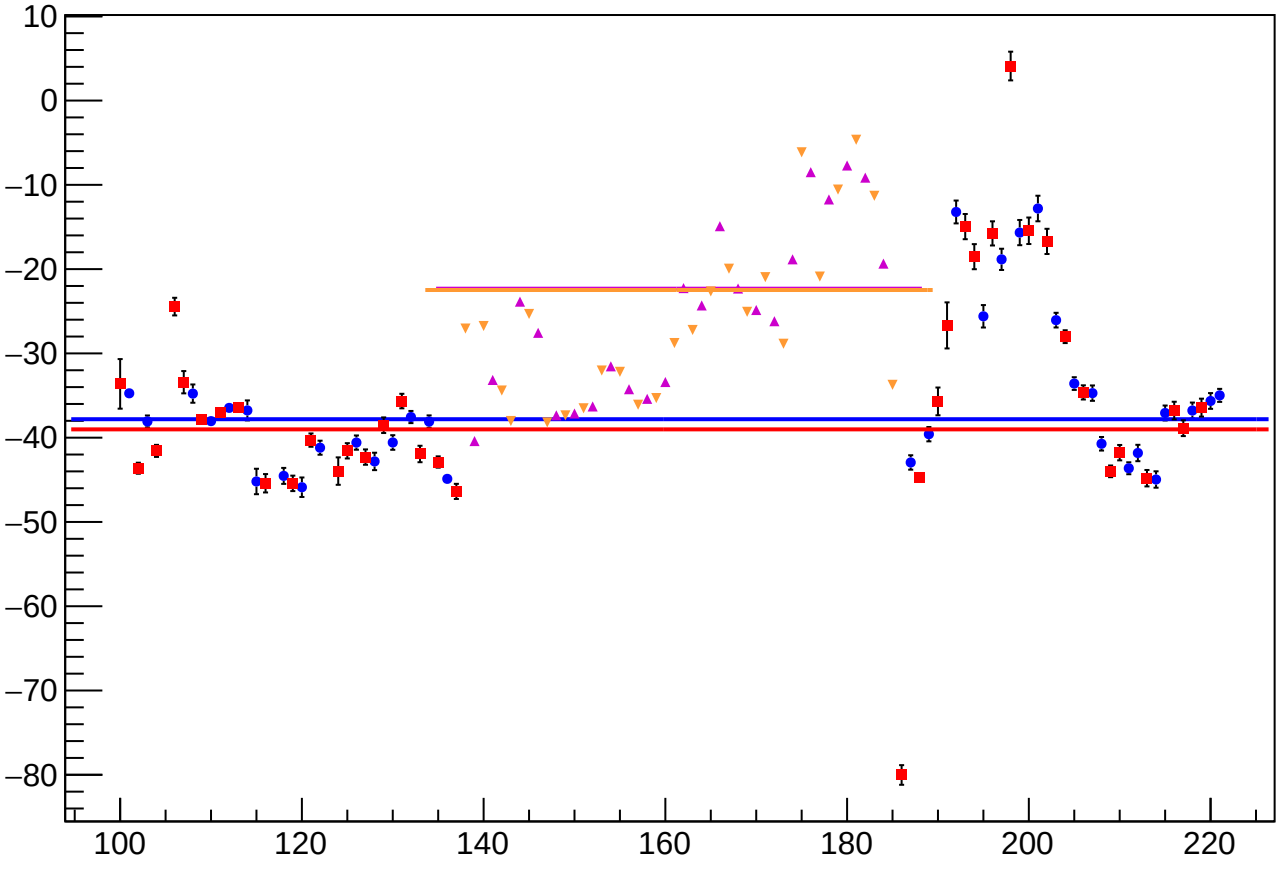
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.785+/-0.054 χ^2/NDF: 9008.2/58

All: 3.643+/-0.039 χ^2/NDF: 15906.7/118

\- sign 3.493+/-0.056 χ^2/NDF: 6884.3/59

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.809+/-0.140 χ^2/NDF: 2063.3/33

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.015+/-0.141 χ^2/NDF: 4145.8/36

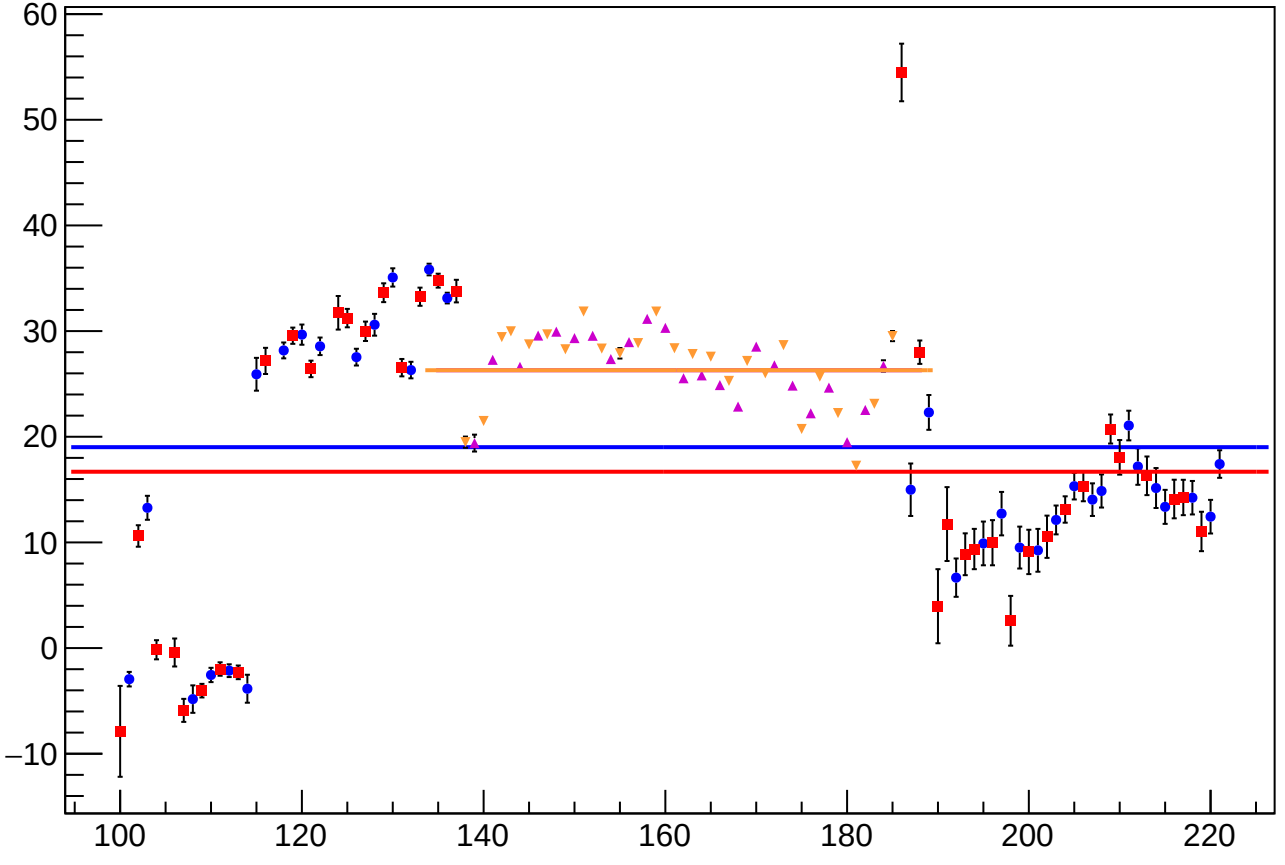
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.895+/-0.066 χ^2/NDF: 31846.8/58

All: -26.004+/-0.047 χ^2/NDF: 63936.9/118

- sign -26.118+/-0.067 χ^2/NDF: 32084.5/59

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.015+/-0.174 χ^2/NDF: 6944.8/33

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.689+/-0.180 χ^2/NDF: 7181.6/36

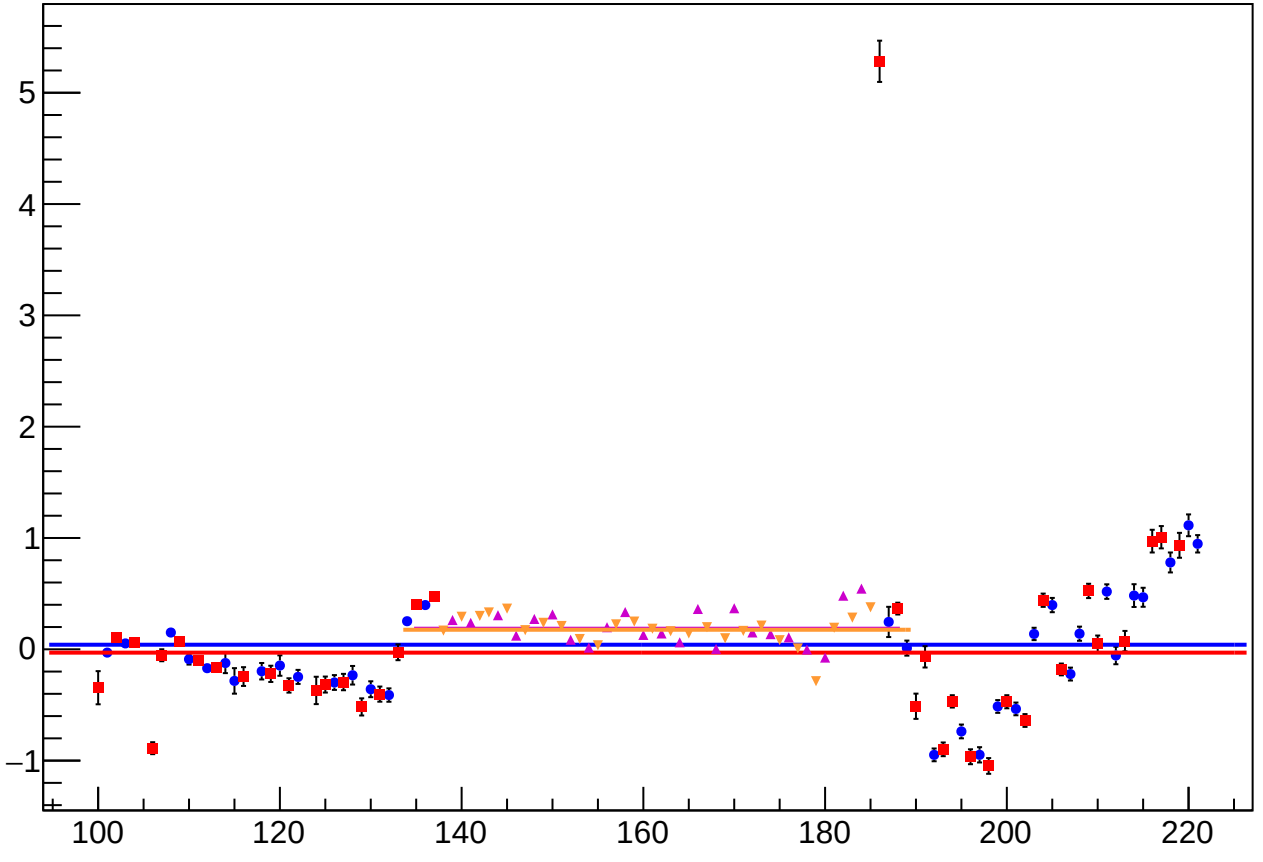
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.401+/-0.061 χ^2/NDF: 11790.1/58

All: 25.271+/-0.044 χ^2/NDF: 23672.6/118

- sign 25.134+/-0.062 χ^2/NDF: 11873.1/59

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.041+/-0.009 χ^2/NDF: 1923.0/33

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.030+/-0.009 χ^2/NDF: 3000.7/36

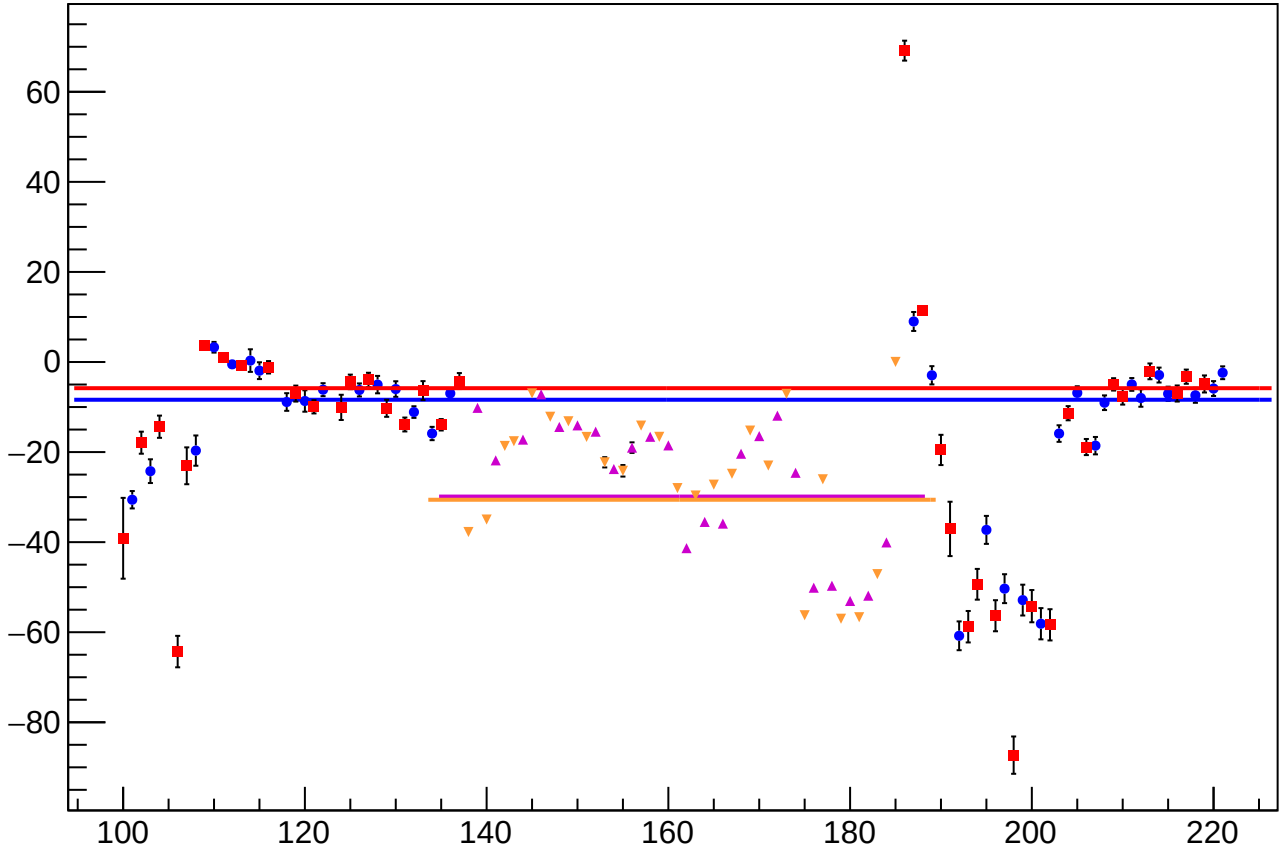
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.162+/-0.003 χ^2/NDF: 4070.8/58

All: 0.163+/-0.002 χ^2/NDF: 10107.1/118

- sign 0.165+/-0.003 χ^2/NDF: 6035.9/59

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.380+/-0.287 χ^2/NDF: 1466.1/33

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

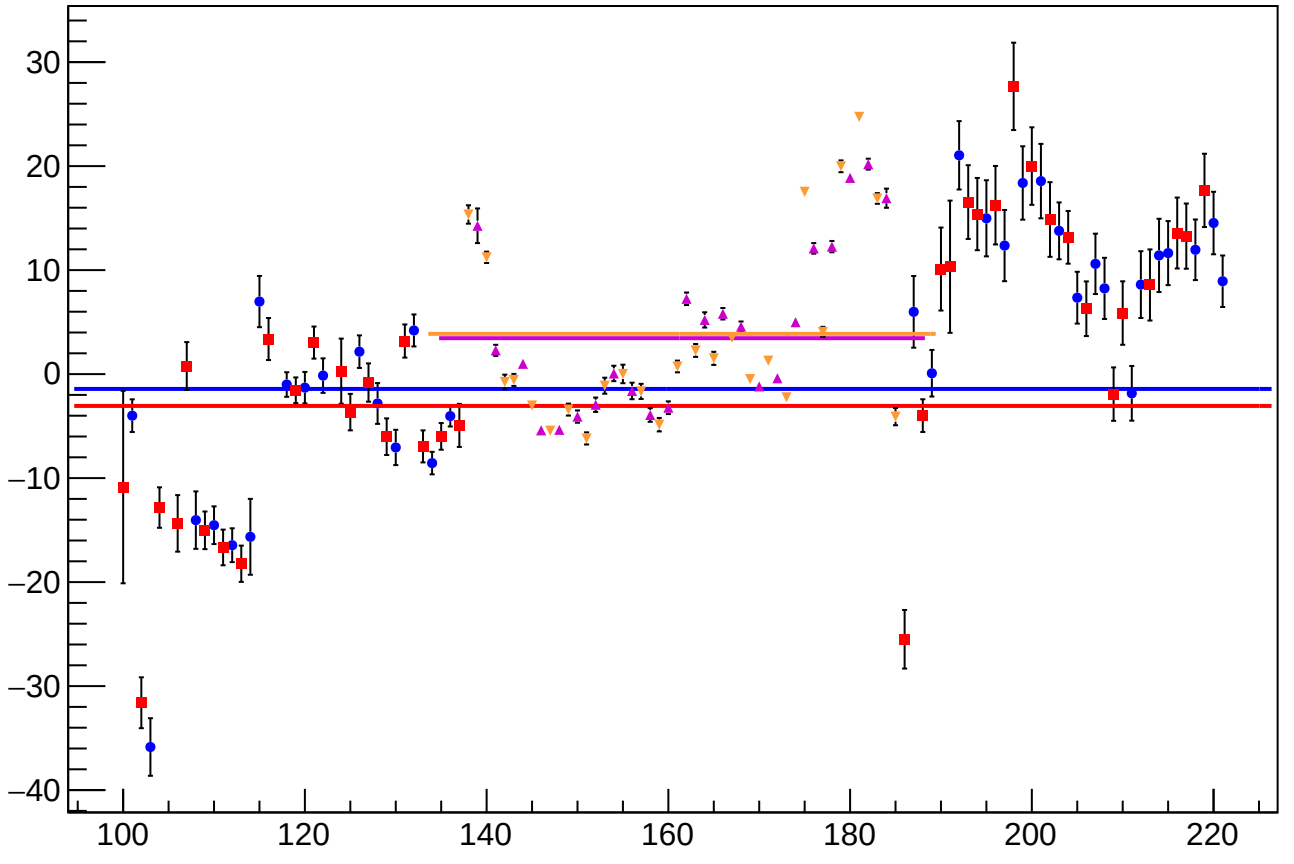
Right Out: -5.813+/-0.291 χ^2/NDF: 3515.6/36

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -26.205+/-0.127 χ^2/NDF: 22329.8/58

All: -25.631+/-0.091 χ^2/NDF: 43381.5/118

- sign -25.027+/-0.131 χ^2/NDF: 21010.1/59



Right In: -1.425+/-0.344 χ^2/NDF: 753.6/33

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.059+/-0.360 χ^2/NDF: 865.1/36

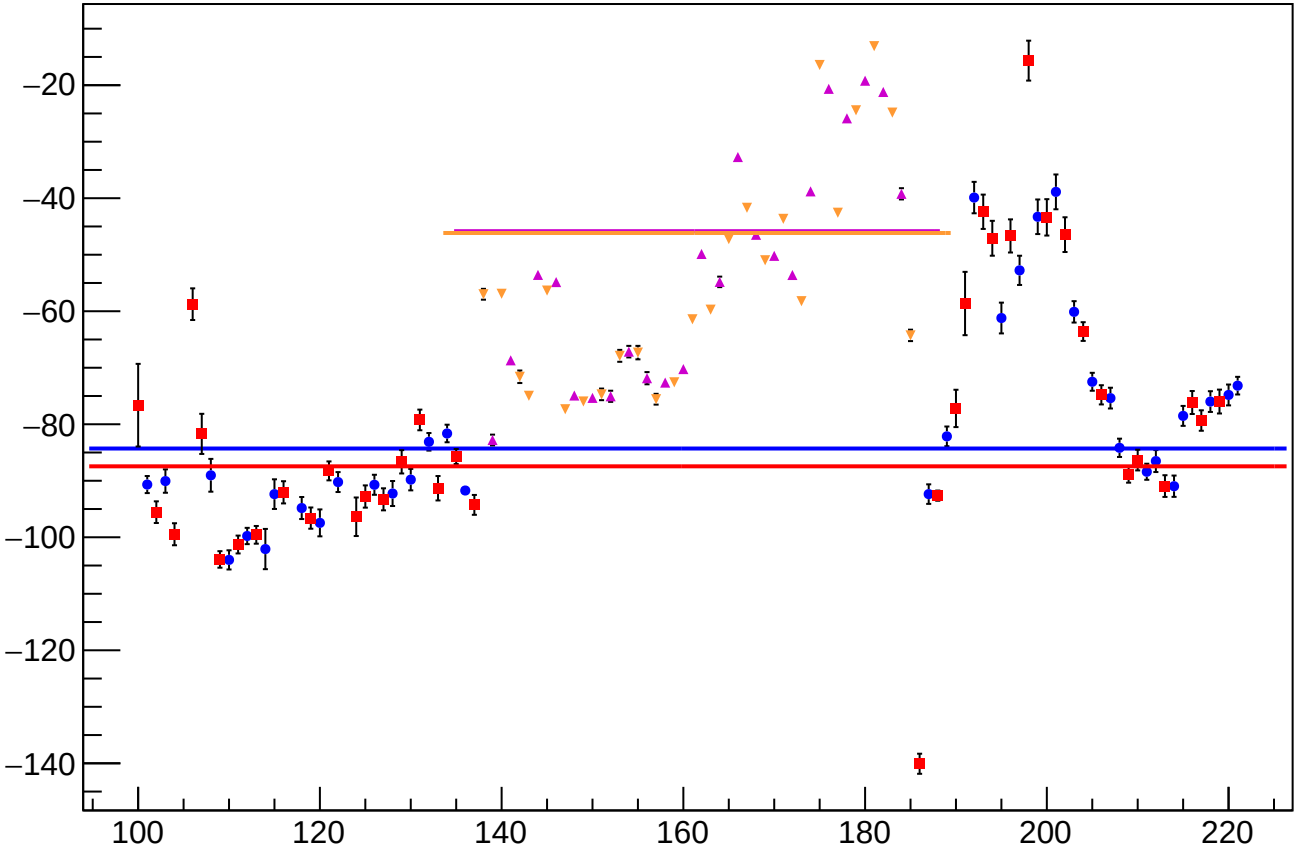
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.372+/-0.106 χ^2/NDF: 7510.2/58

All: 3.123+/-0.076 χ^2/NDF: 13378.5/118

- sign 2.861+/-0.108 χ^2/NDF: 5856.9/59

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -84.295+/-0.308 χ^2/NDF: 1764.0/33

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.445+/-0.316 χ^2/NDF: 3179.6/36

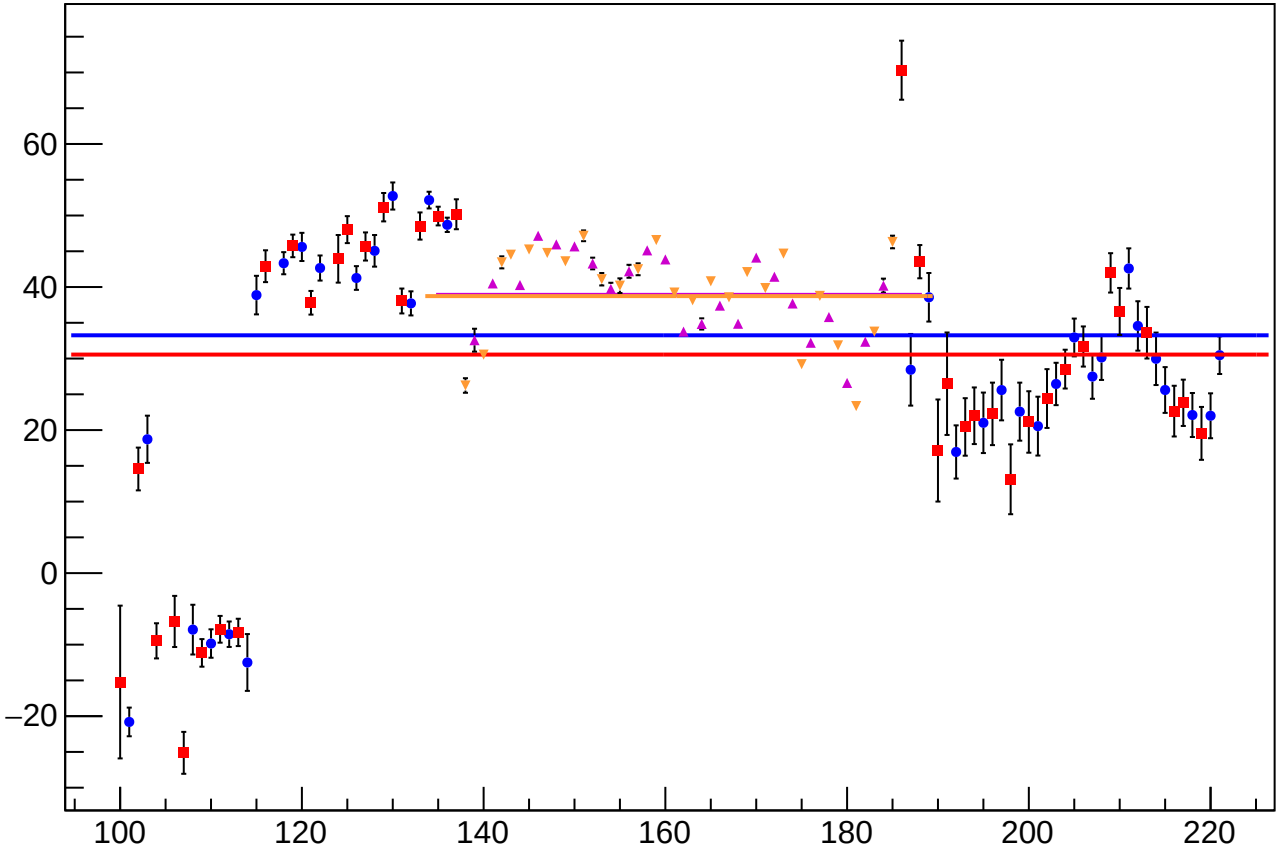
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.886+/-0.129 χ^2/NDF: 35881.7/58

All: -53.025+/-0.093 χ^2/NDF: 71312.2/118

- sign -53.172+/-0.133 χ^2/NDF: 35428.1/59

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.251+/-0.385 χ^2/NDF: 2925.5/33

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.556+/-0.408 χ^2/NDF: 3114.0/36

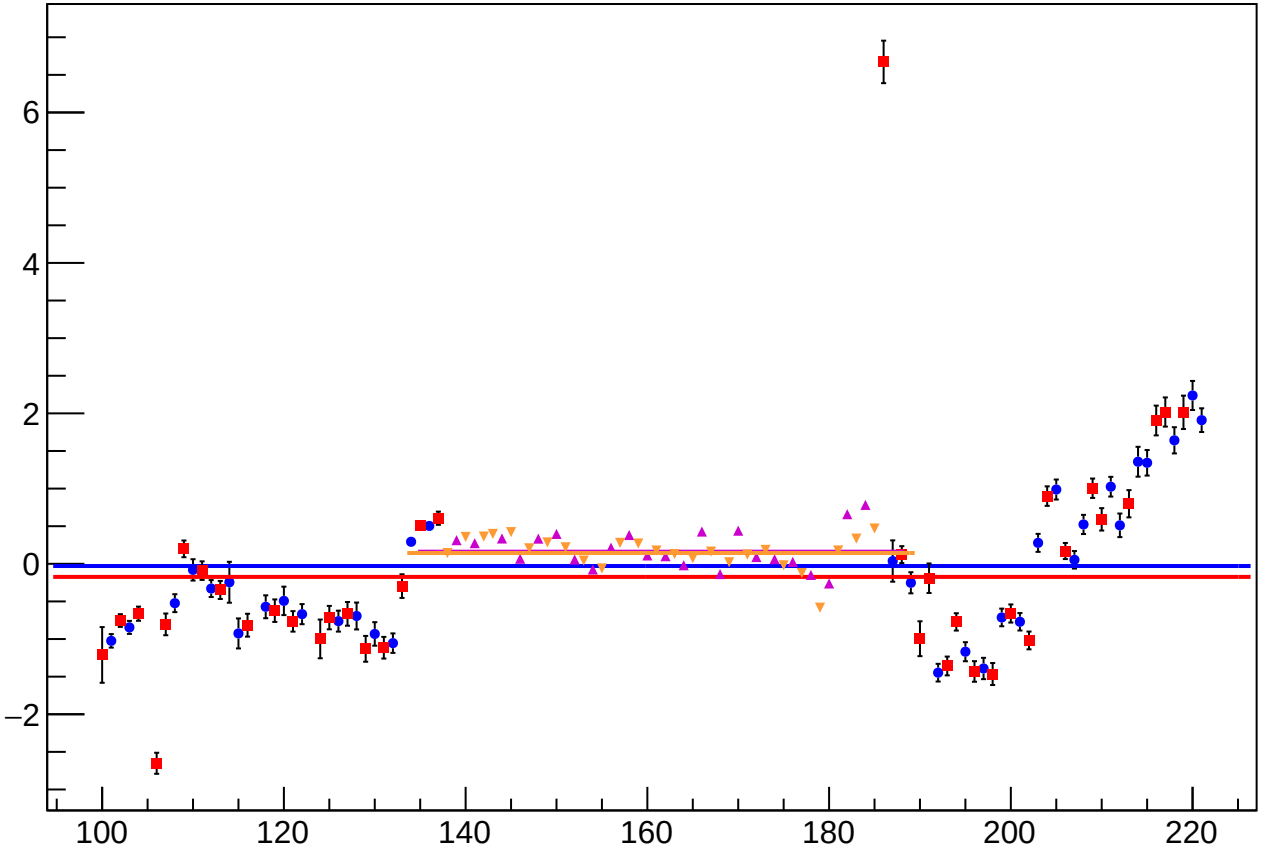
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.211+/-0.119 χ^2/NDF: 5890.6/58

All: 38.187+/-0.085 χ^2/NDF: 11357.9/118

- sign 38.162+/-0.122 χ^2/NDF: 5467.3/59

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.029+/-0.019 χ^2/NDF: 1692.1/33

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

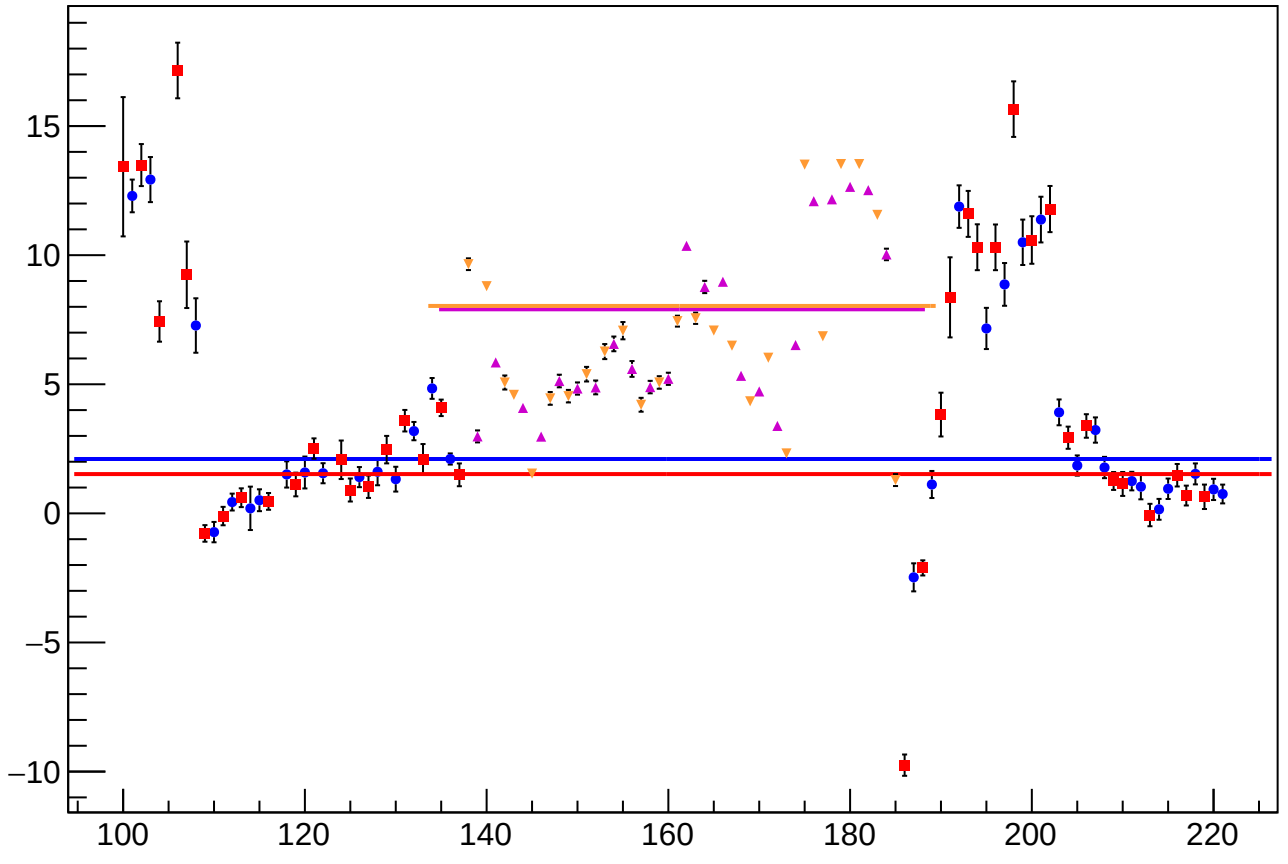
Right Out: -0.174+/-0.021 χ^2/NDF: 2341.6/36

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.130+/-0.005 χ^2/NDF: 3208.1/58

All: 0.134+/-0.004 χ^2/NDF: 7711.3/118

- sign 0.138+/-0.005 χ^2/NDF: 4502.2/59



Right In: 2.106+/-0.077 χ^2/NDF: 1209.3/33

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

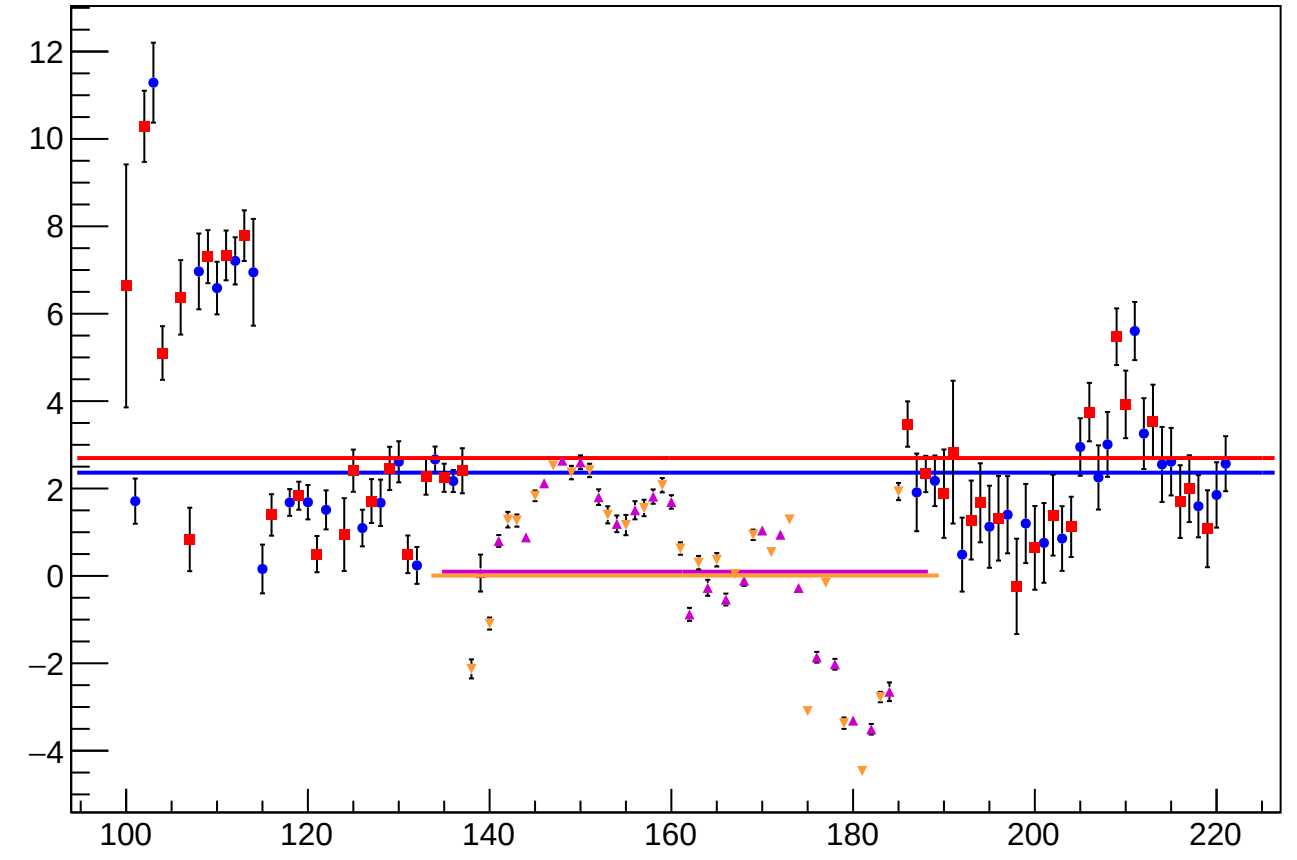
Right Out: 1.522+/-0.079 χ^2/NDF: 2435.7/36

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.028+/-0.032 χ^2/NDF: 20076.6/58

All: 6.922+/-0.023 χ^2/NDF: 37997.1/118

- sign 6.809+/-0.033 χ^2/NDF: 17897.3/59



Right In: 2.363+/-0.093 χ^2/NDF: 379.5/33

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.697+/-0.097 χ^2/NDF: 469.9/36

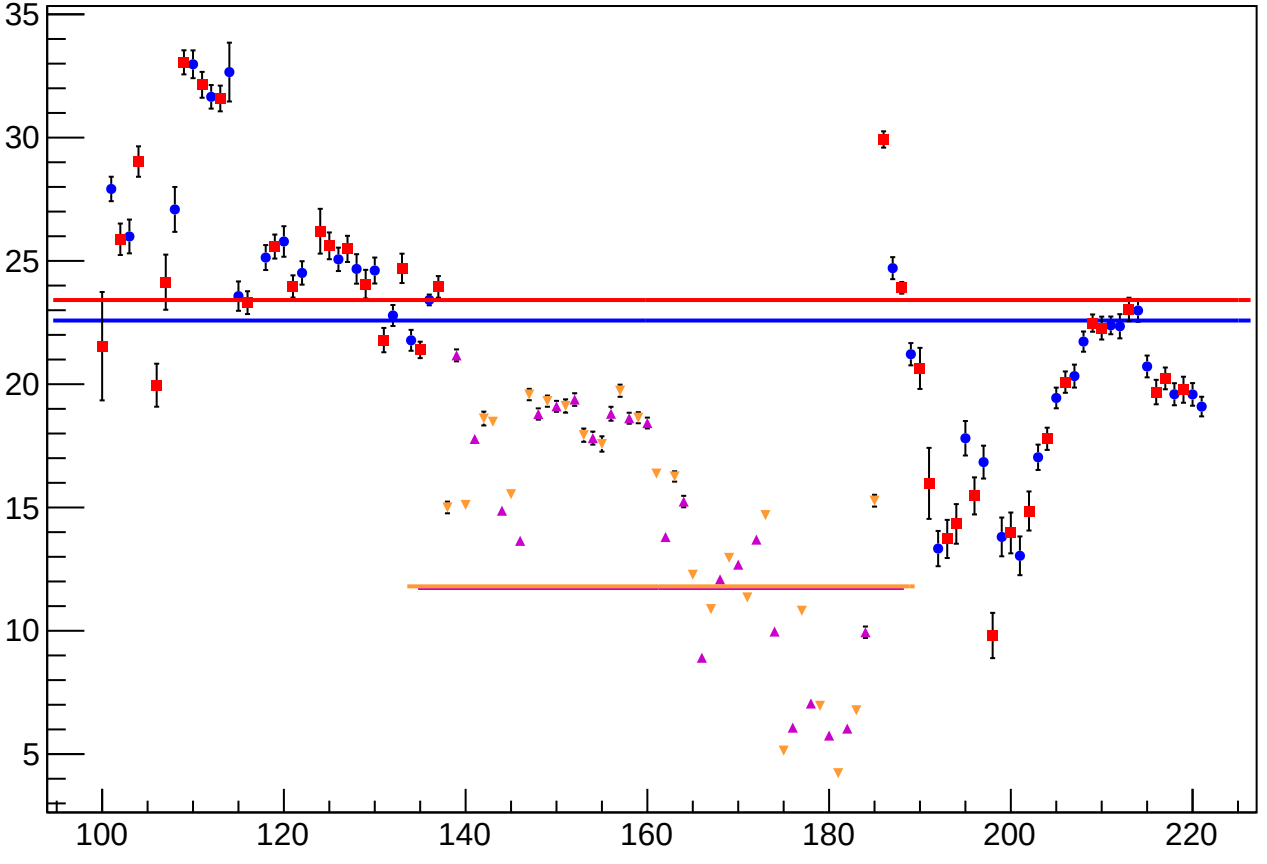
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.199+/-0.026 χ^2/NDF: 6734.4/58

All: 0.247+/-0.019 χ^2/NDF: 12306.9/118

- sign 0.298+/-0.027 χ^2/NDF: 5565.7/59

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 22.582+/-0.082 χ^2/NDF: 2055.7/33

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.413+/-0.084 χ^2/NDF: 2819.8/36

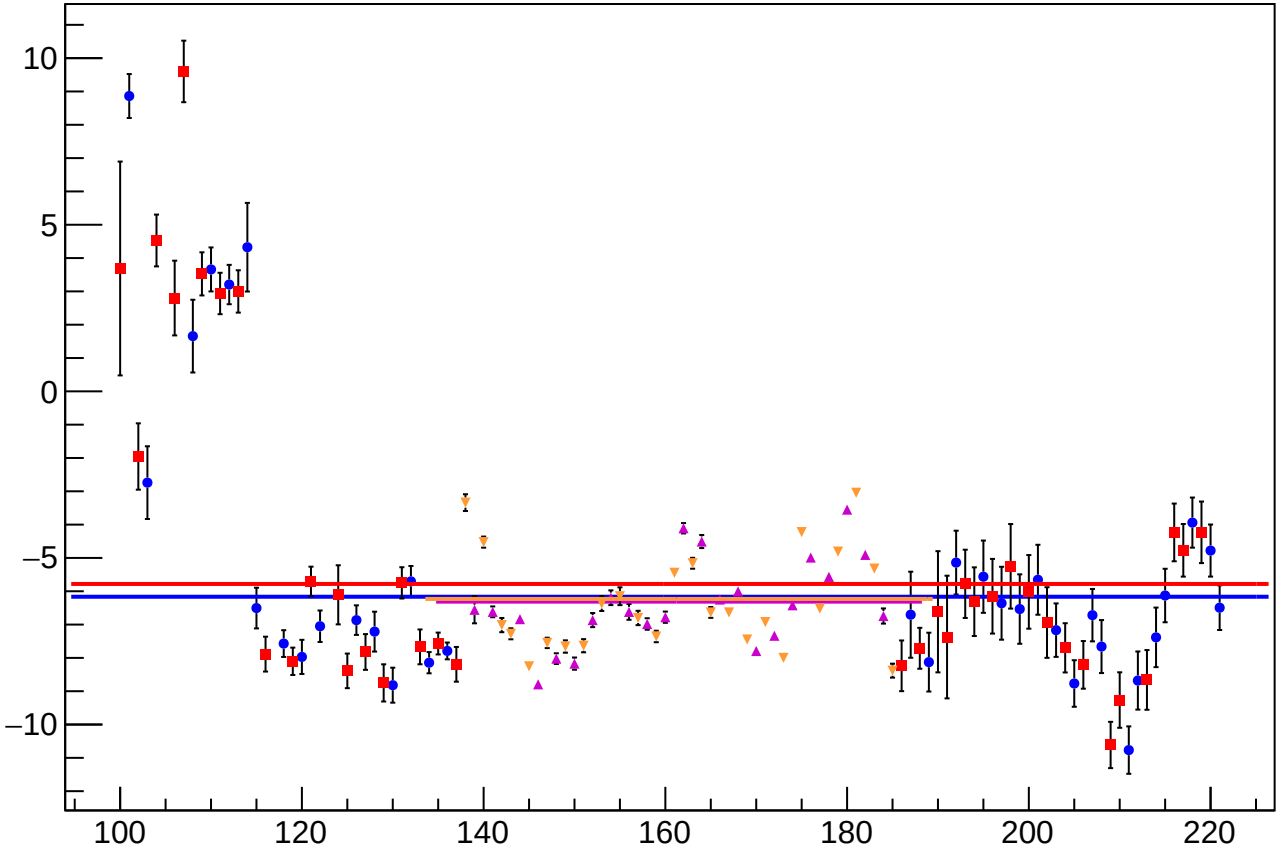
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.459+/-0.032 χ^2/NDF: 38250.7/58

All: 13.503+/-0.023 χ^2/NDF: 75587.3/118

- sign 13.548+/-0.033 χ^2/NDF: 37332.9/59

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.165+/-0.103 χ^2/NDF: 1347.7/33

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

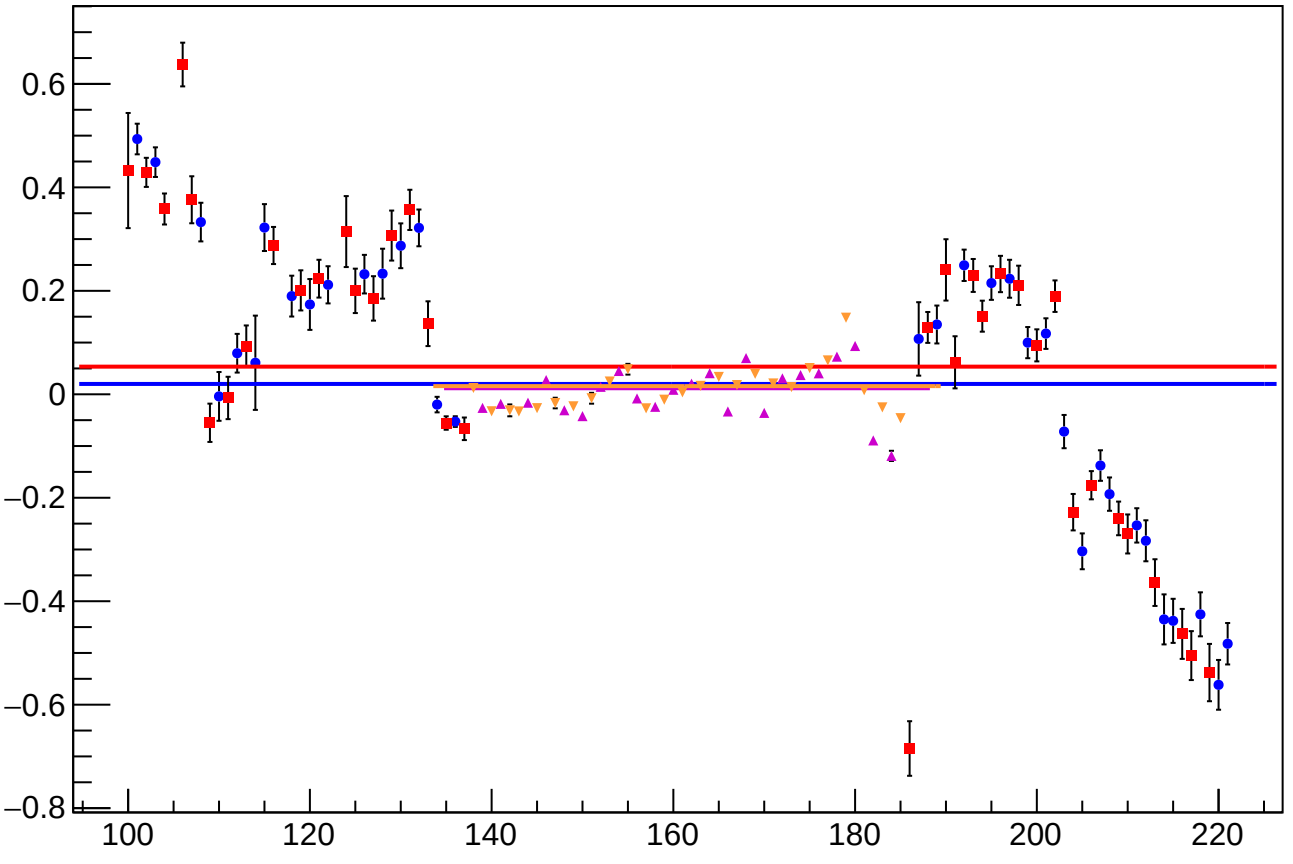
Right Out: -5.781+/-0.110 χ^2/NDF: 1435.7/36

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.225+/-0.029 χ^2/NDF: 3798.1/58

All: -6.248+/-0.021 χ^2/NDF: 7286.6/118

- sign -6.271+/-0.030 χ^2/NDF: 3487.3/59



Right In: 0.020+/-0.005 χ^2/NDF: 1937.7/33

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

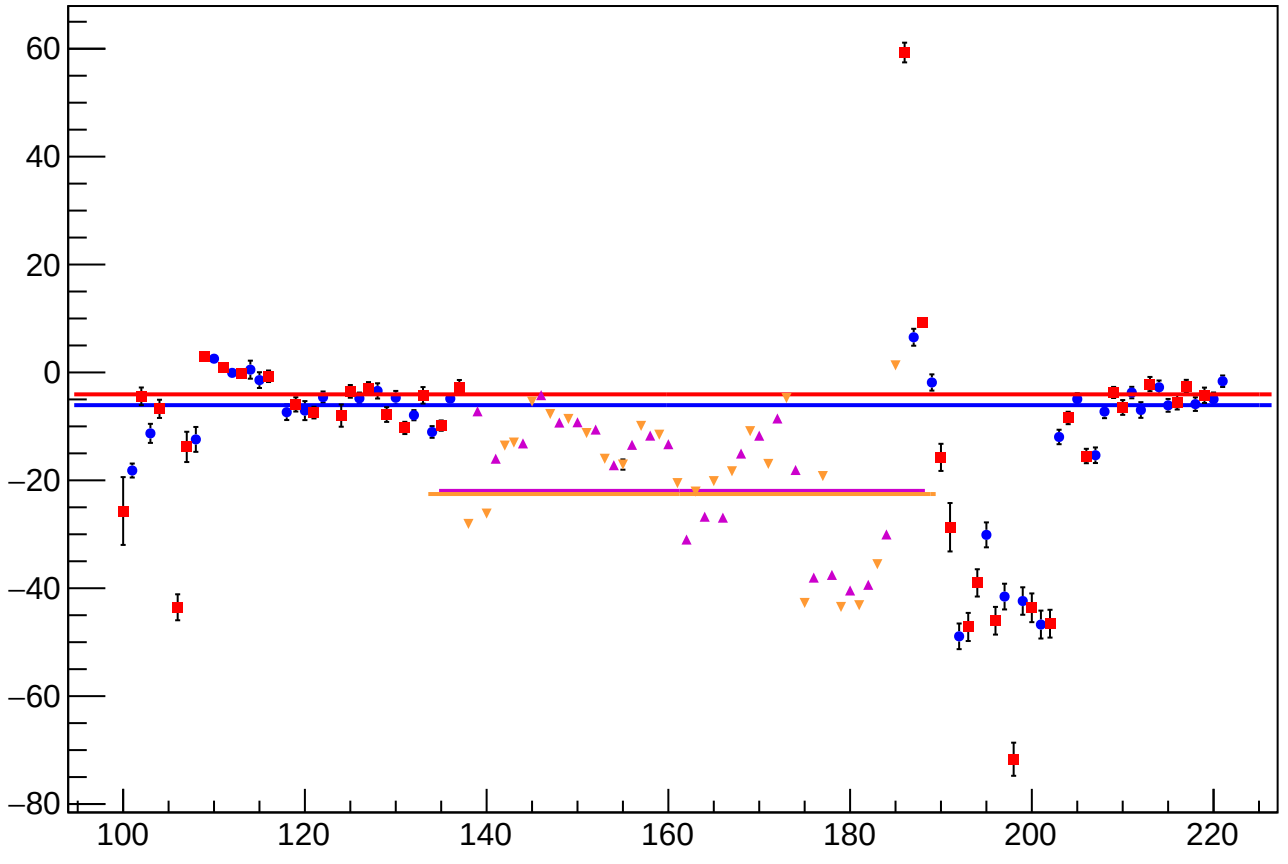
Right Out: 0.053+/-0.006 χ^2/NDF: 1914.9/36

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.016+/-0.001 χ^2/NDF: 2871.7/58

All: 0.015+/-0.001 χ^2/NDF: 6137.6/118

- sign 0.014+/-0.001 χ^2/NDF: 3264.8/59



Right In: -6.065+/-0.209 χ^2/NDF: 1637.0/33

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.062+/-0.210 χ^2/NDF: 3915.4/36

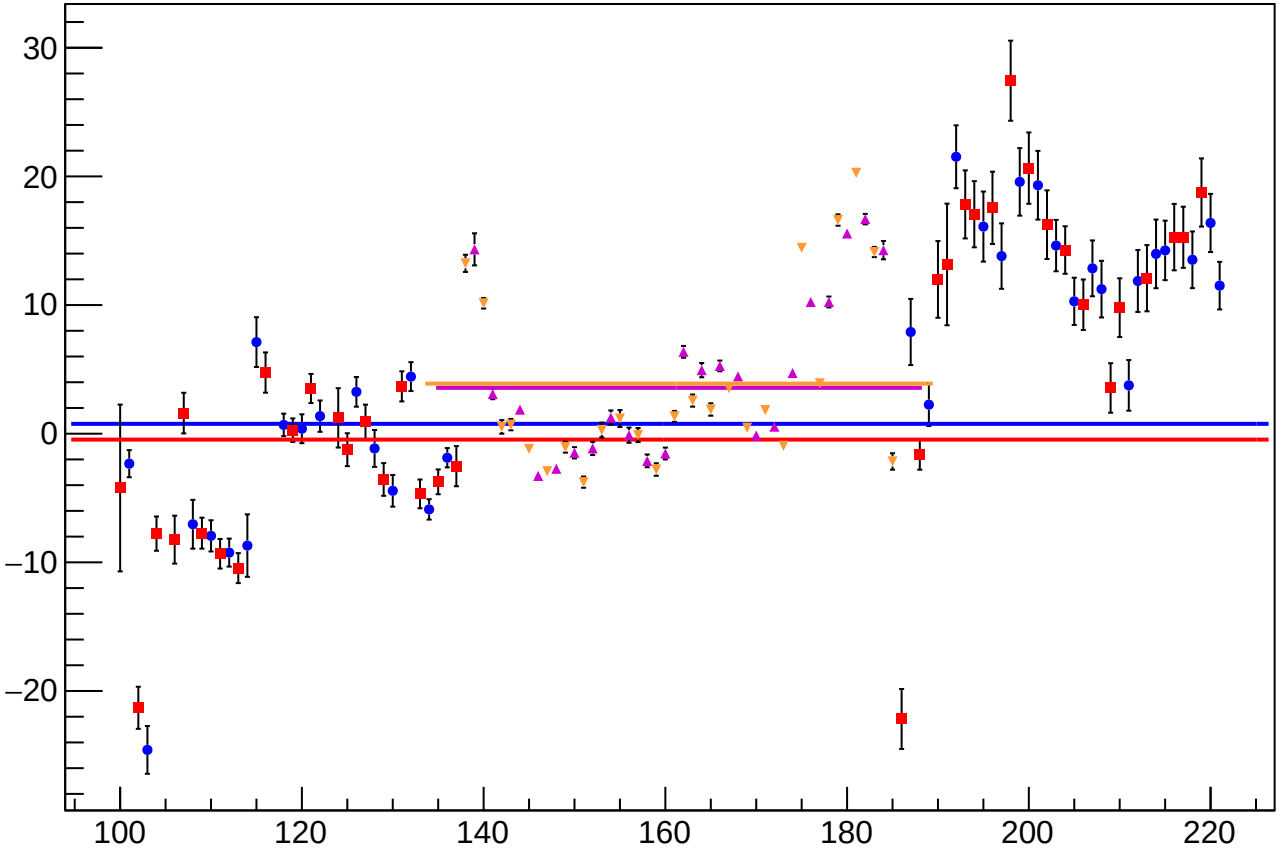
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

\+ sign -19.049+/-0.096 χ^2/NDF: 23095.3/58

All: -18.558+/-0.069 χ^2/NDF: 45317.4/118

\- sign -18.043+/-0.098 χ^2/NDF: 22168.4/59

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.767+/-0.251 χ^2/NDF: 1056.0/33

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -0.457+/-0.261 χ^2/NDF: 1154.4/36

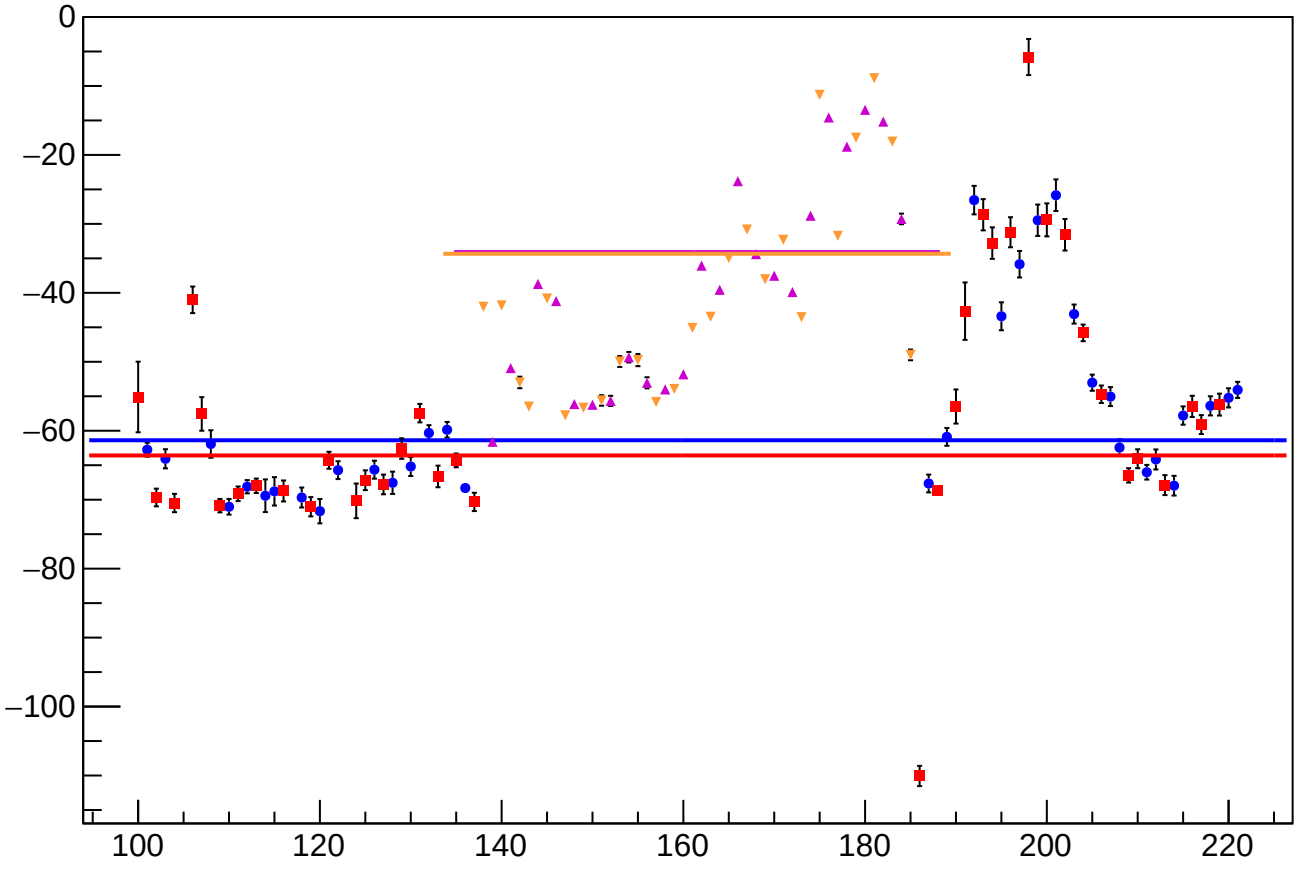
Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.574+/-0.080 χ^2/NDF: 7919.7/58

All: 3.376+/-0.057 χ^2/NDF: 14040.7/118

- sign 3.169+/-0.082 χ^2/NDF: 6108.5/59

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -61.383+/-0.225 χ^2/NDF: 1747.8/33

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.584+/-0.230 χ^2/NDF: 3371.6/36

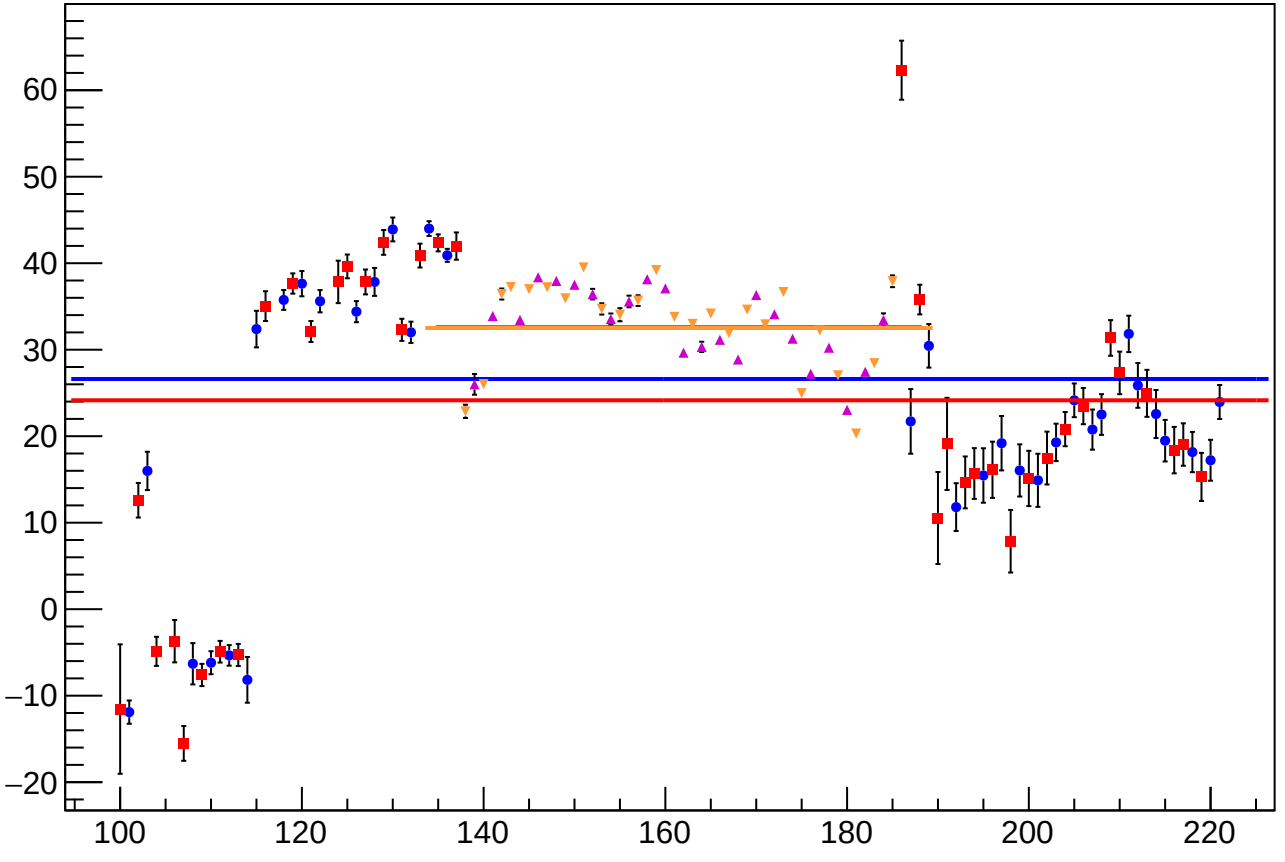
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -39.426+/-0.098 χ^2/NDF: 34697.6/58

All: -39.539+/-0.070 χ^2/NDF: 69136.2/118

- sign -39.658+/-0.100 χ^2/NDF: 34435.8/59

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 26.614+/-0.281 χ^2/NDF: 3897.8/33

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.152+/-0.296 χ^2/NDF: 4113.8/36

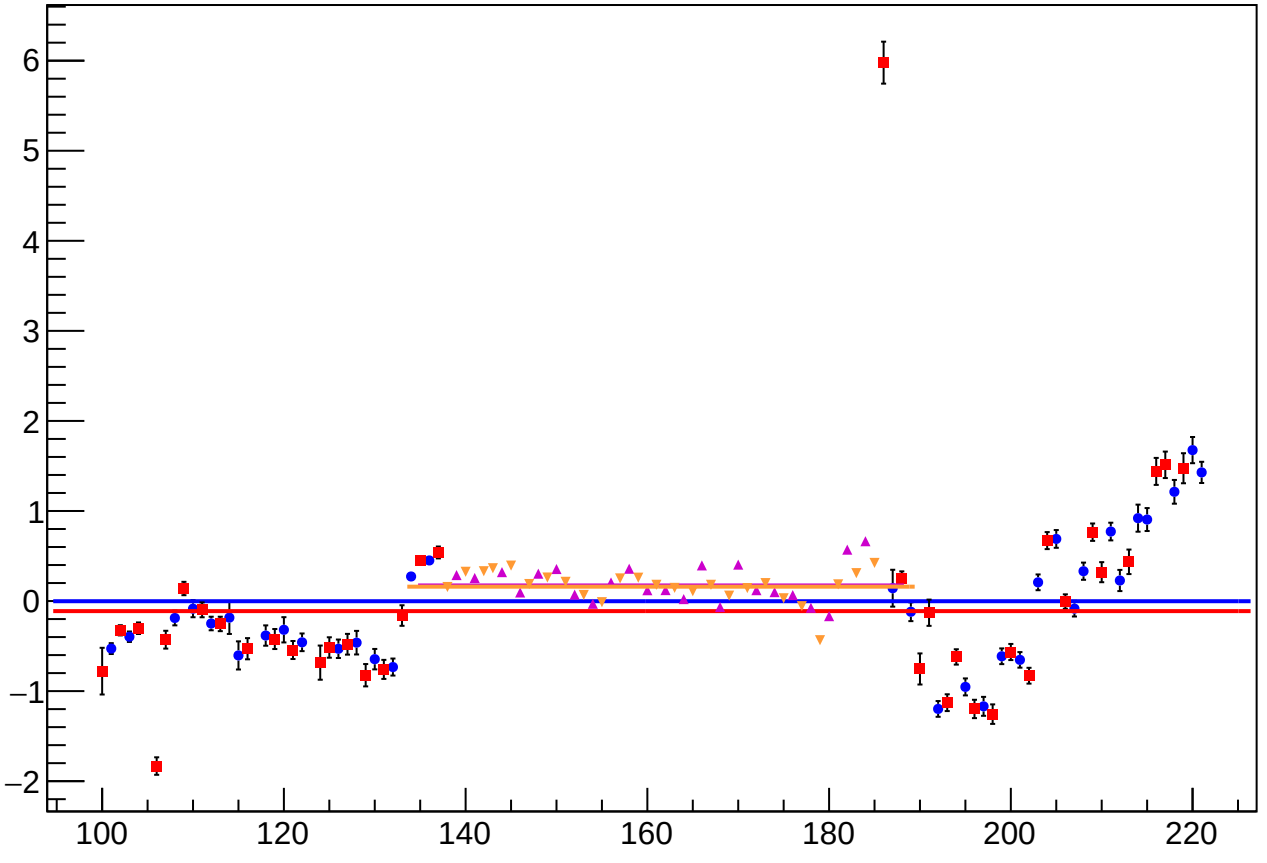
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 31.910+/-0.090 χ^2/NDF: 7232.0/58

All: 31.848+/-0.064 χ^2/NDF: 14096.5/118

- sign 31.782+/-0.092 χ^2/NDF: 6863.5/59

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 1694.8/33

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.112+/-0.015 χ^2/NDF: 2511.9/36

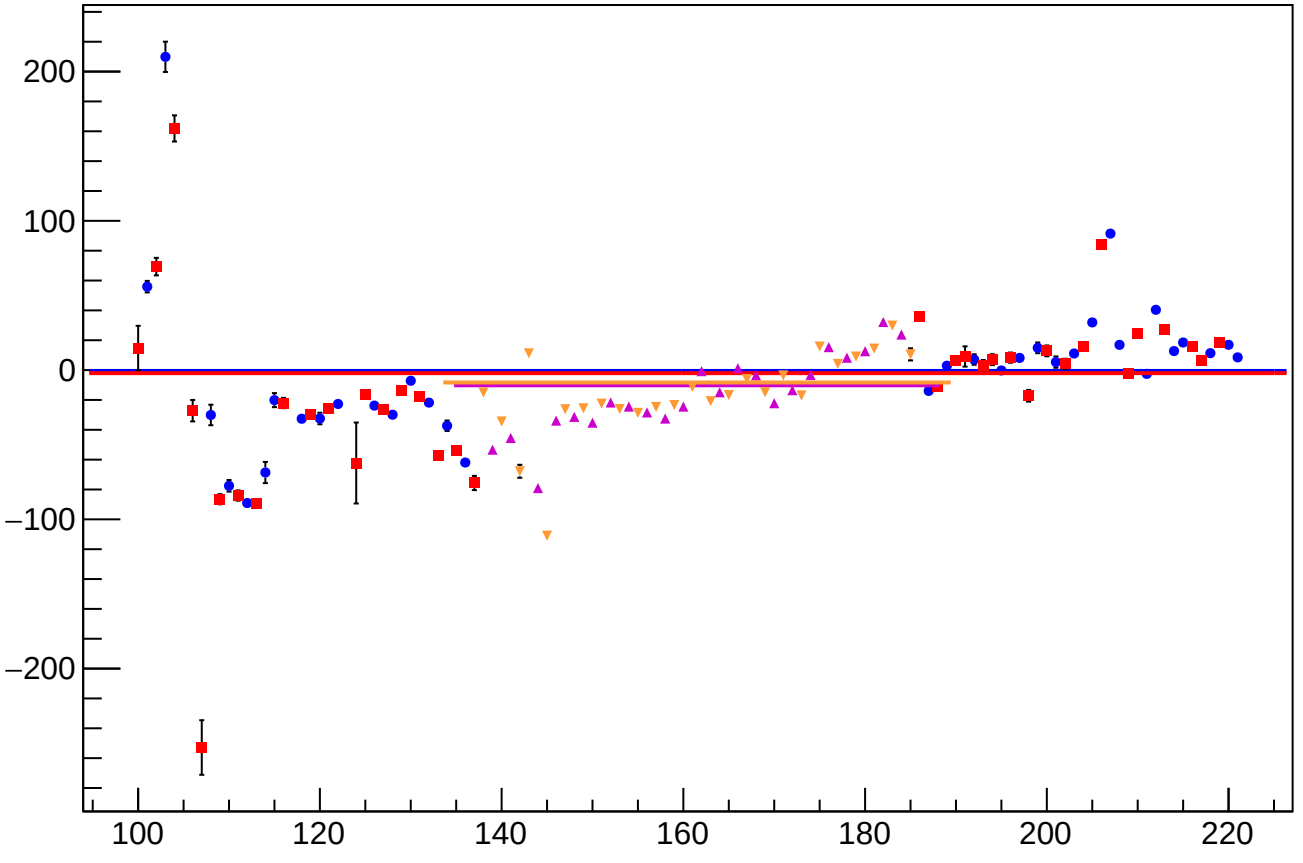
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.146+/-0.004 χ^2/NDF: 3427.1/58

All: 0.149+/-0.003 χ^2/NDF: 8399.0/118

- sign 0.152+/-0.004 χ^2/NDF: 4971.2/59

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -0.581+/-0.477 χ^2/NDF: 5159.6/33

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -2.040+/-0.467 χ^2/NDF: 6023.0/36

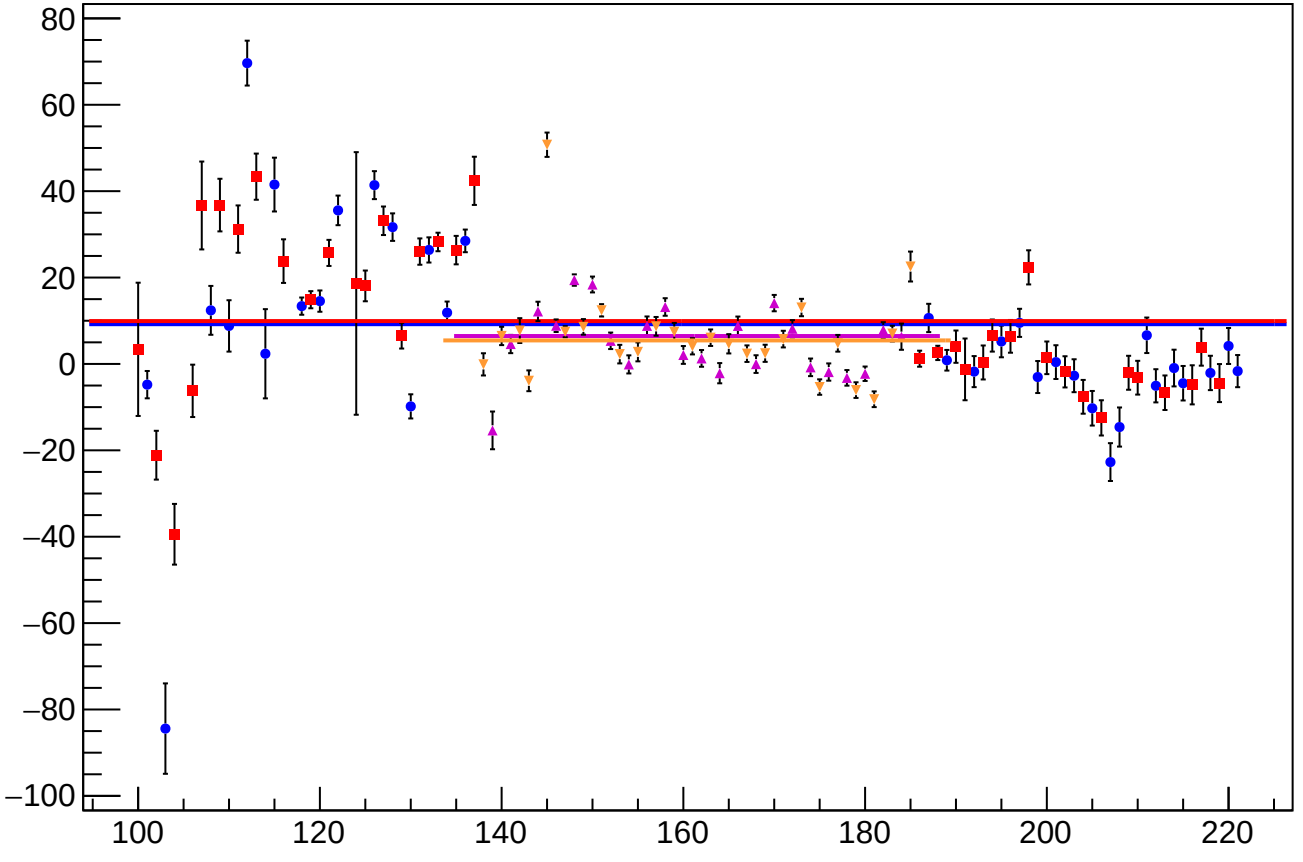
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -4.158+/-0.350 χ^2/NDF: 7840.3/58

All: -4.894+/-0.247 χ^2/NDF: 16524.4/118

- sign -5.630+/-0.349 χ^2/NDF: 8675.3/59

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.203+/-0.598 χ^2/NDF: 818.4/33

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 9.923+/-0.581 χ^2/NDF: 615.5/36

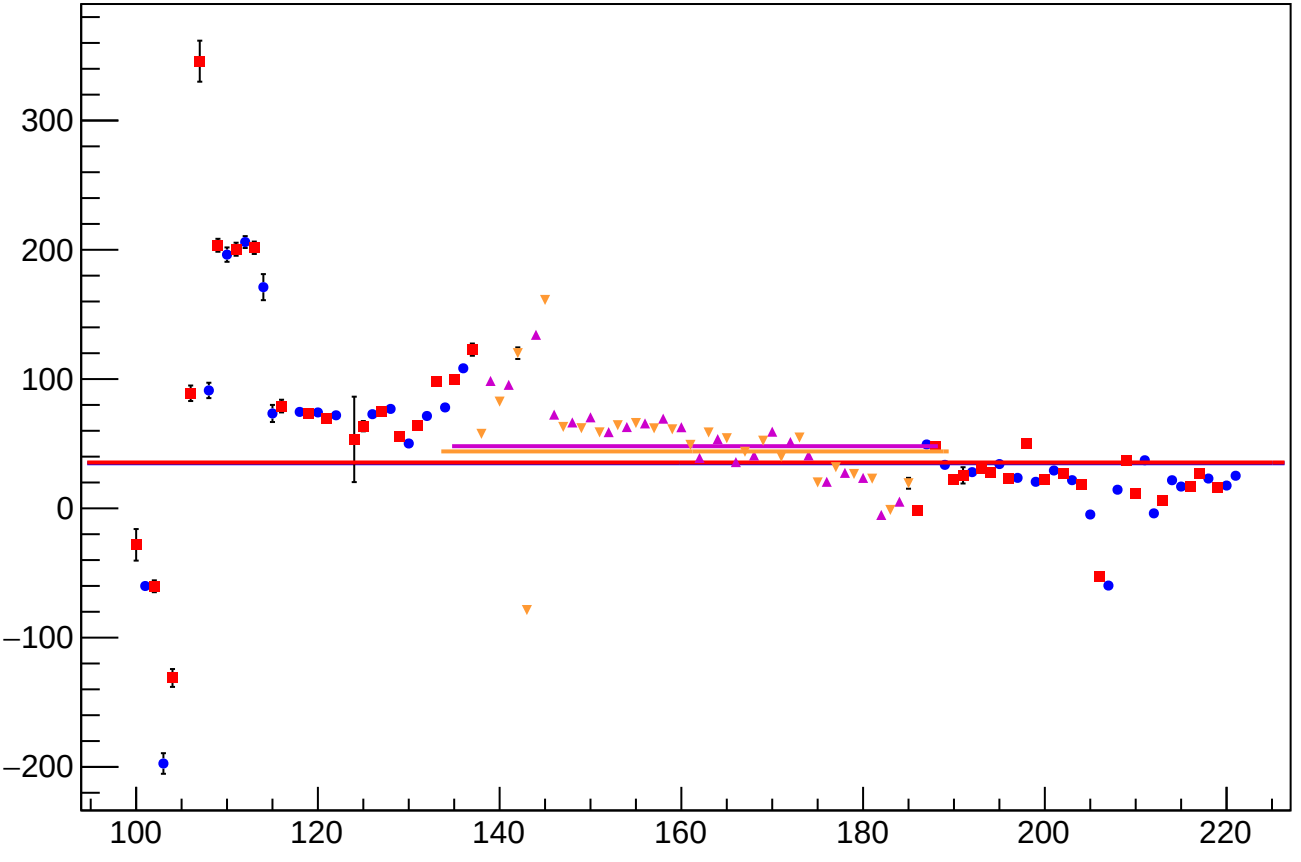
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.584+/-0.329 χ^2/NDF: 1339.7/58

All: 7.087+/-0.234 χ^2/NDF: 2319.6/118

- sign 7.605+/-0.334 χ^2/NDF: 975.2/59

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 34.890+/-0.484 χ^2/NDF: 8442.9/33

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 35.479+/-0.453 χ^2/NDF: 9446.8/36

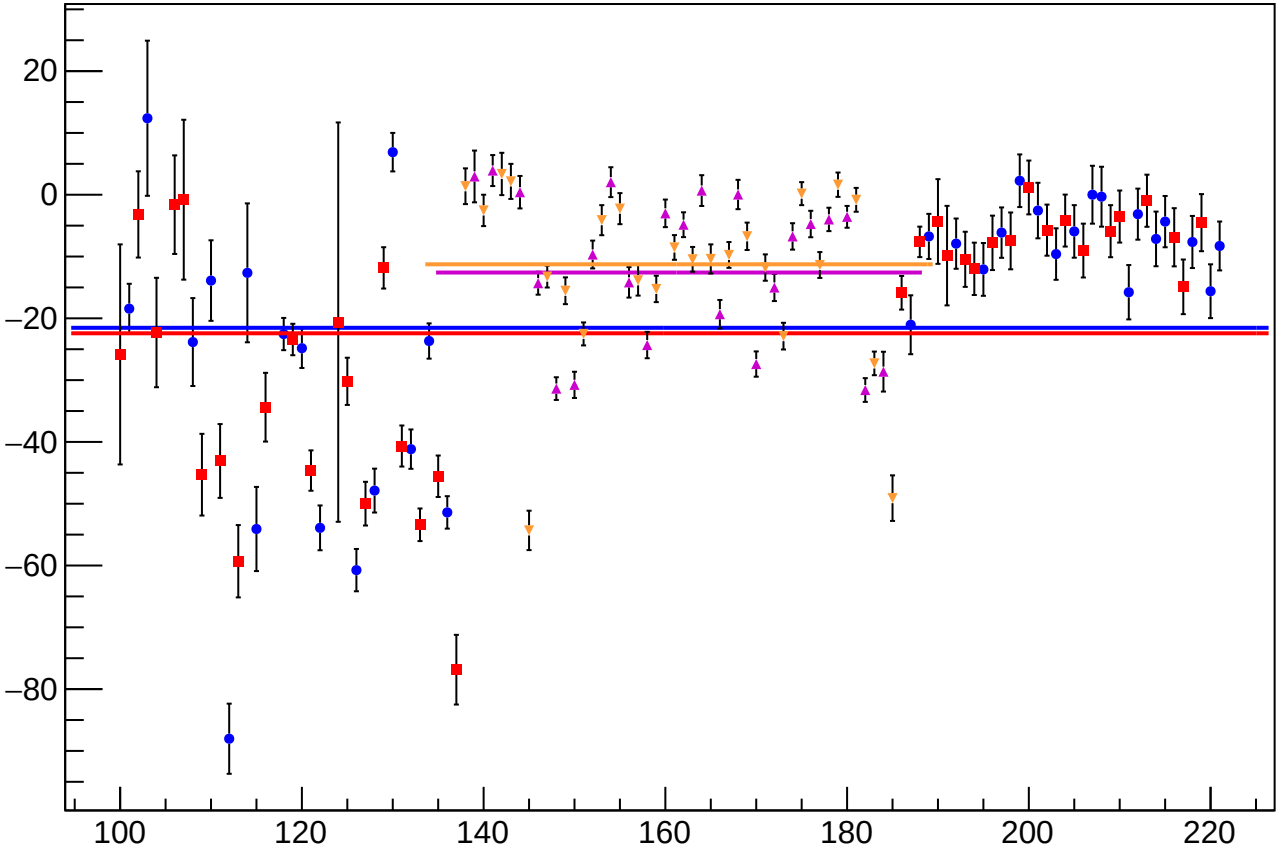
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 39.225+/-0.351 χ^2/NDF: 13176.2/58

All: 40.082+/-0.245 χ^2/NDF: 26344.2/118

- sign 40.895+/-0.342 χ^2/NDF: 13156.3/59

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.532+/-0.687 χ^2/NDF: 919.4/33

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -22.422+/-0.692 χ^2/NDF: 766.0/36

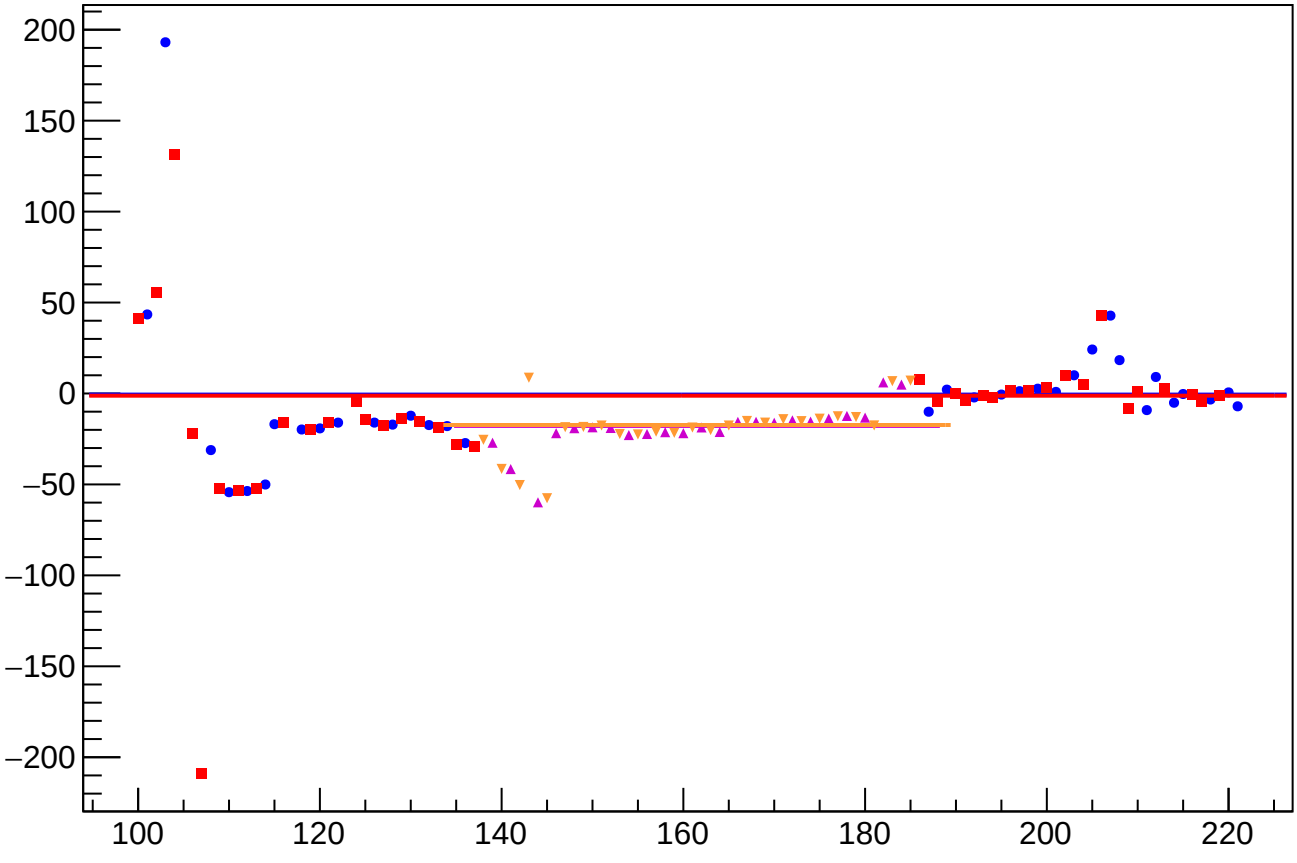
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.295+/-0.373 χ^2/NDF: 1720.2/58

All: -14.927+/-0.267 χ^2/NDF: 3304.0/118

- sign -15.590+/-0.382 χ^2/NDF: 1577.9/59

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.612+/-0.033 χ^2/NDF: 648980.2/33

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.213+/-0.033 χ^2/NDF: 571817.9/36

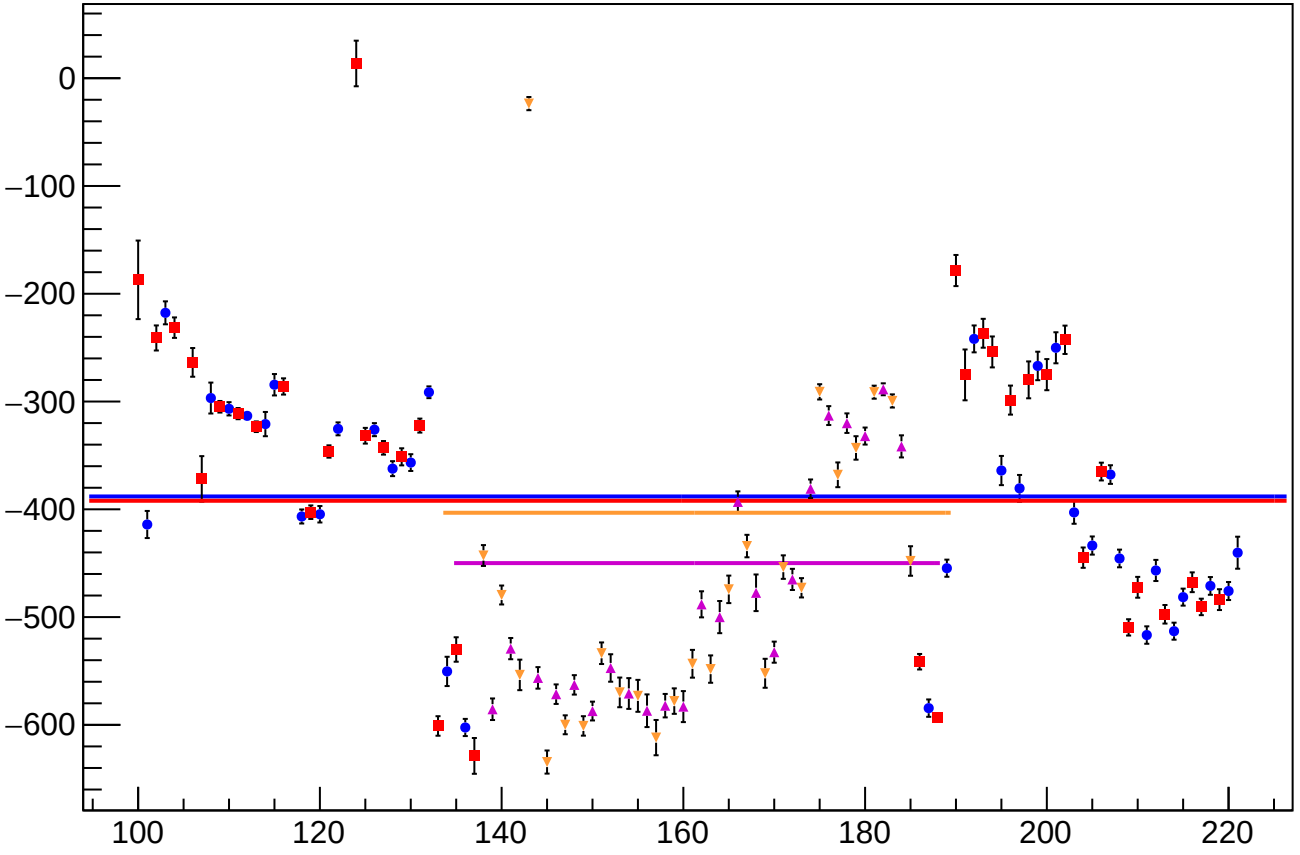
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -12.824+/-0.017 χ^2/NDF: 1185759.8/58

All: -13.028+/-0.012 χ^2/NDF: 2210656.0/118

- sign -13.237+/-0.017 χ^2/NDF: 1024606.9/59

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -388.081+/-1.410 χ^2/NDF: 4309.8/33

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -392.074+/-1.360 χ^2/NDF: 7269.2/36

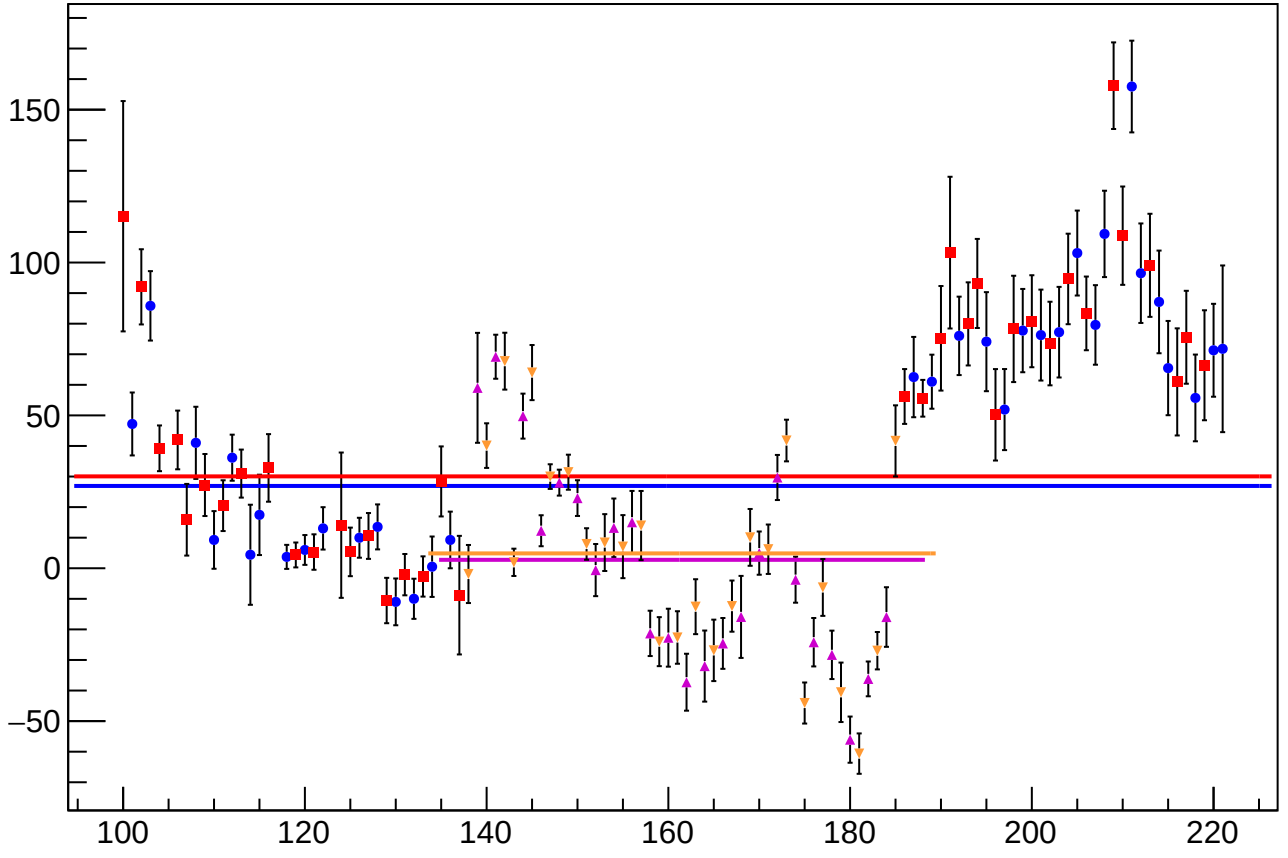
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -393.348+/-1.138 χ^2/NDF: 12100.1/58

All: -401.633+/-0.803 χ^2/NDF: 23249.0/118

- sign -409.837+/-1.132 χ^2/NDF: 11043.3/59

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 26.924+/-1.610 χ^2/NDF: 468.4/33

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 30.053+/-1.585 χ^2/NDF: 475.1/36

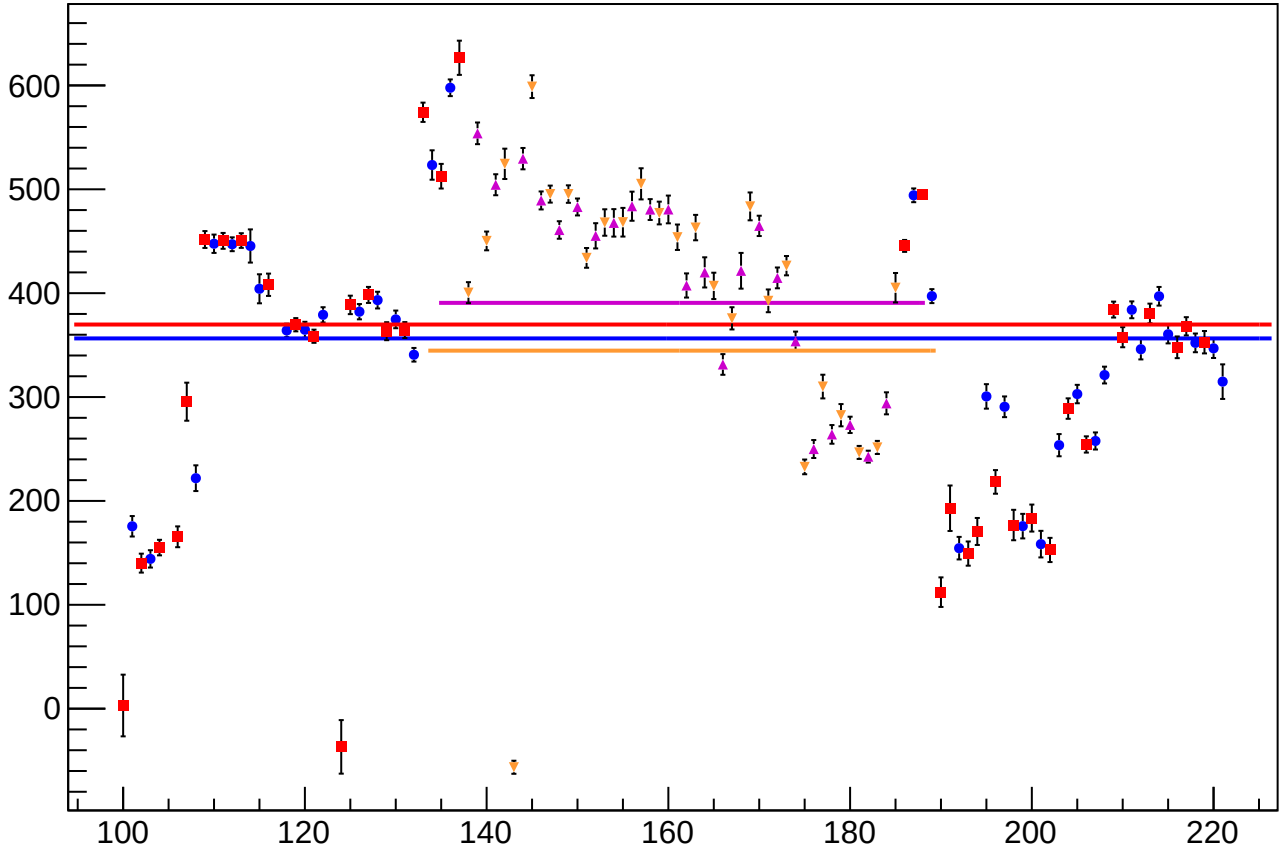
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 14.718+/-1.076 χ^2/NDF: 1029.5/58

All: 15.407+/-0.773 χ^2/NDF: 2056.4/118

\- sign 16.140+/-1.110 χ^2/NDF: 1026.0/59

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 356.443+/-1.508 χ^2/NDF: 4217.8/33

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 369.816+/-1.422 χ^2/NDF: 7221.5/36

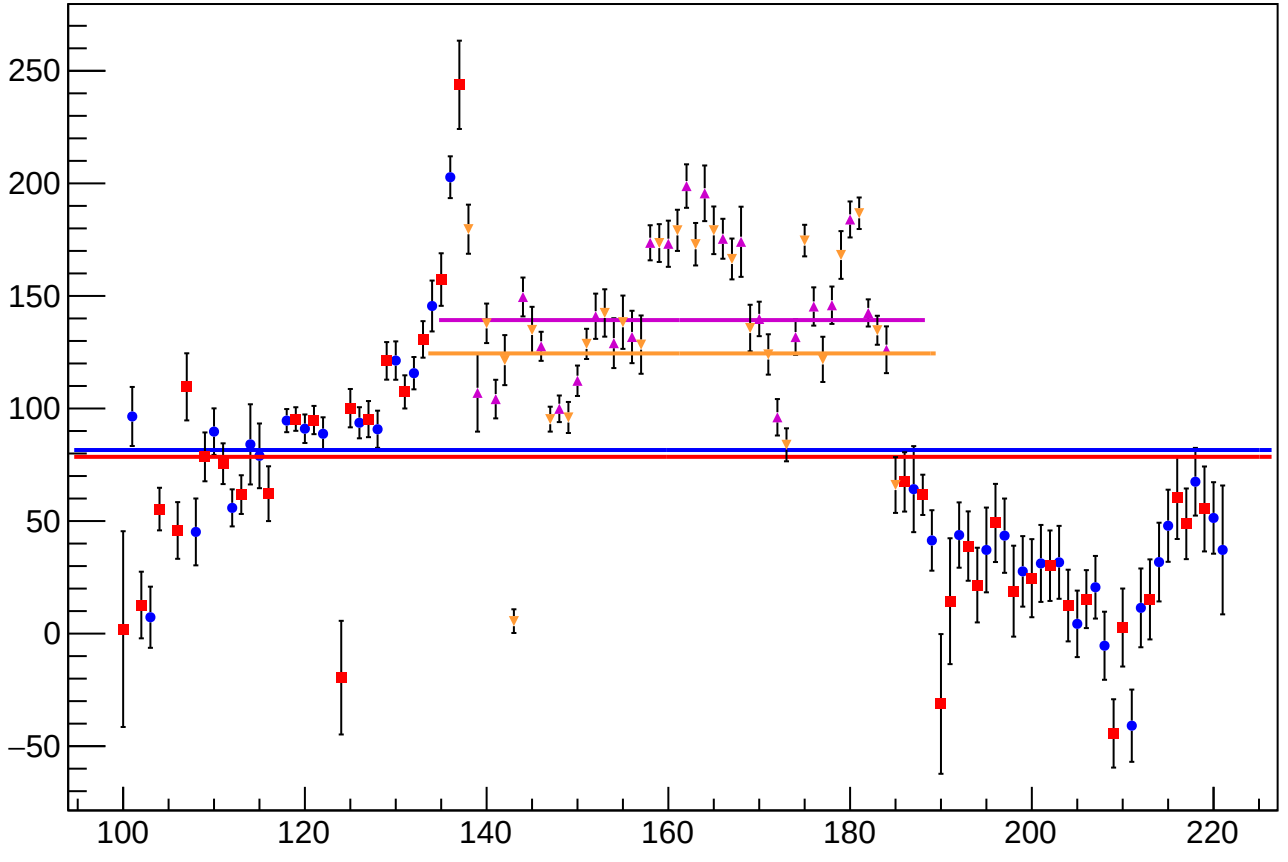
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 351.968+/-1.187 χ^2/NDF: 11519.1/58

All: 364.558+/-0.831 χ^2/NDF: 21705.2/118

- sign 376.686+/-1.165 χ^2/NDF: 9965.1/59

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 81.557+/-1.869 χ^2/NDF: 539.2/33

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.523+/-1.854 χ^2/NDF: 504.0/36

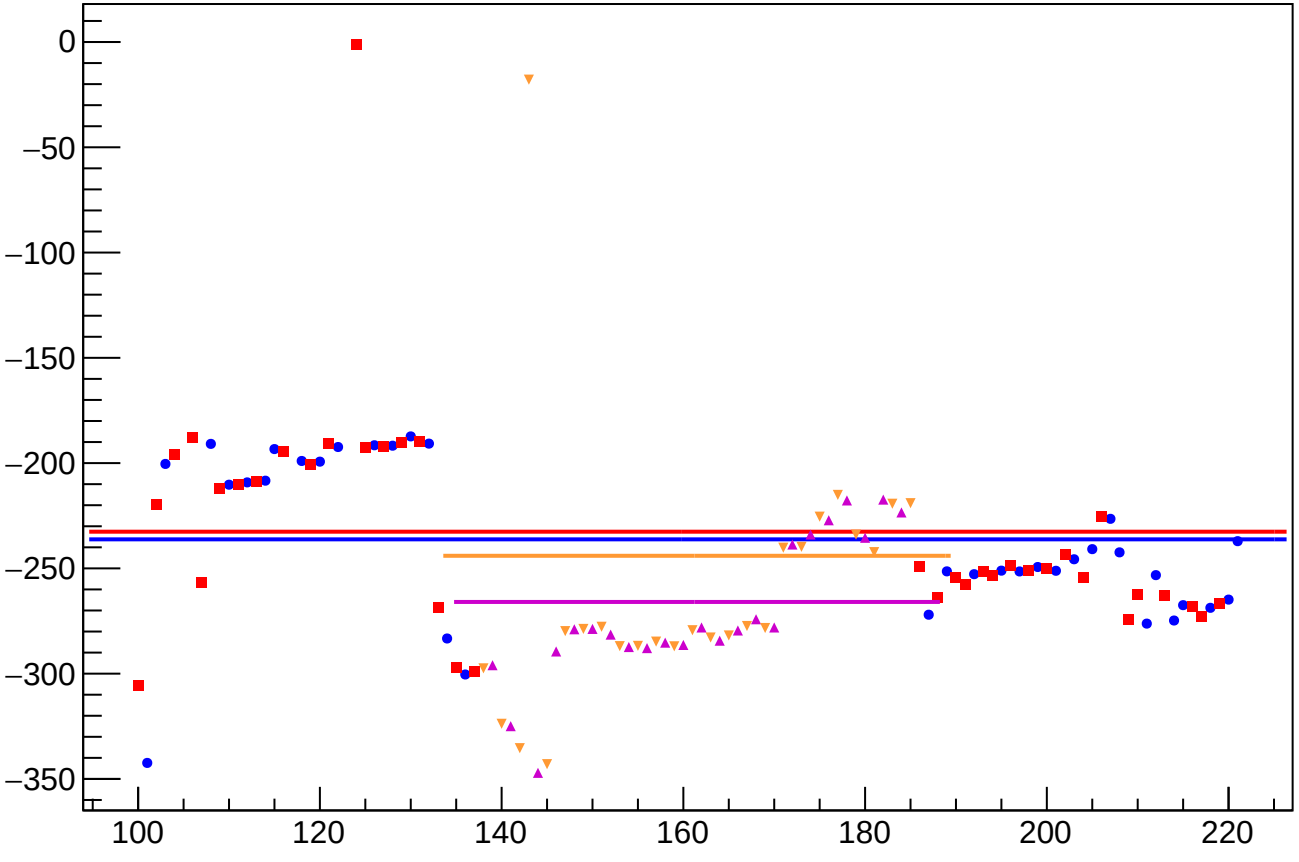
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 105.516+/-1.242 χ^2/NDF: 1771.2/58

All: 107.842+/-0.891 χ^2/NDF: 3105.3/118

- sign 110.314+/-1.280 χ^2/NDF: 1326.9/59

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -236.214+/-0.102 χ^2/NDF: 145520.3/33

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.576+/-0.099 χ^2/NDF: 122112.5/36

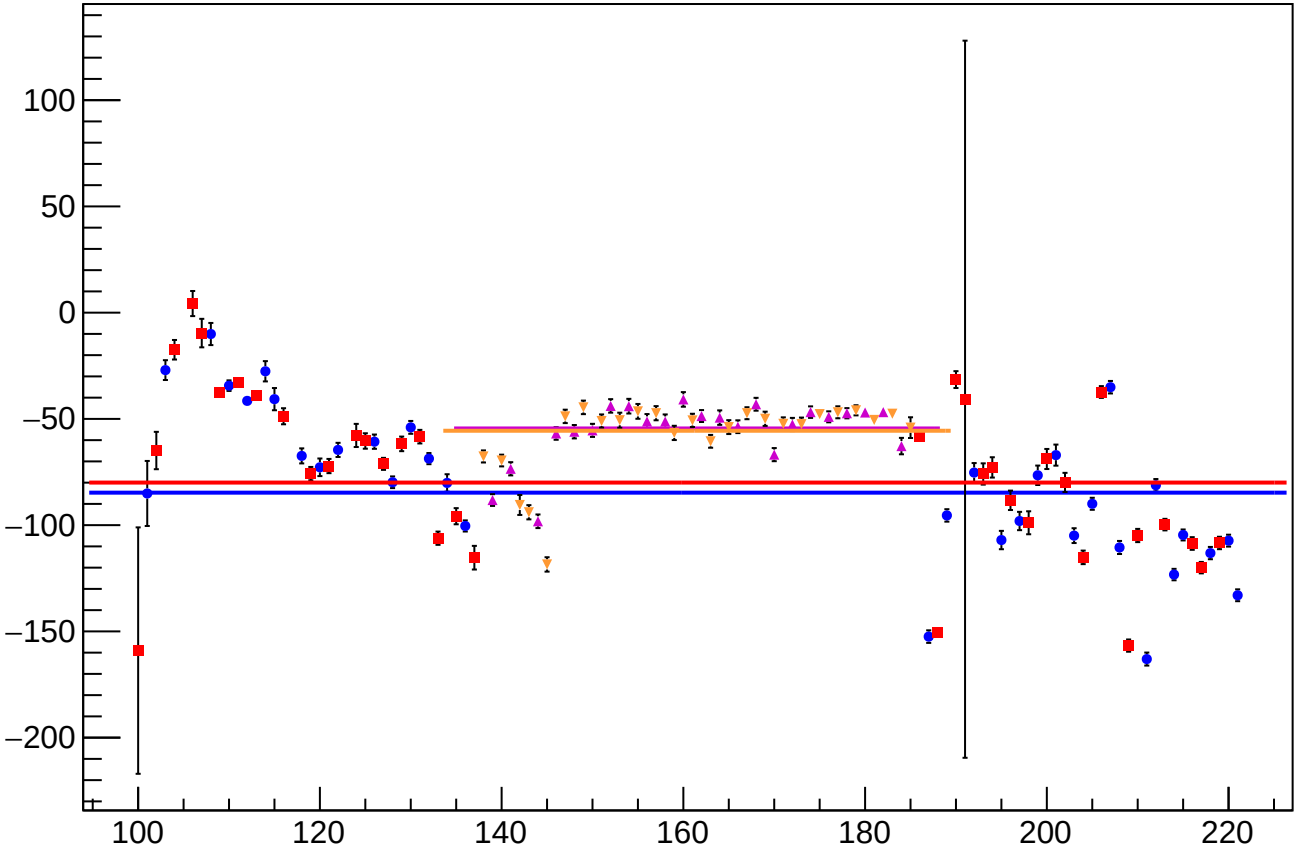
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -241.168+/-0.062 χ^2/NDF: 1147204.5/58

All: -246.837+/-0.044 χ^2/NDF: 1524809.4/11

- sign -252.667+/-0.062 χ^2/NDF: 360423.3/59

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -84.709+/-0.555 χ^2/NDF: 4052.5/33

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -79.964+/-0.532 χ^2/NDF: 5588.2/36

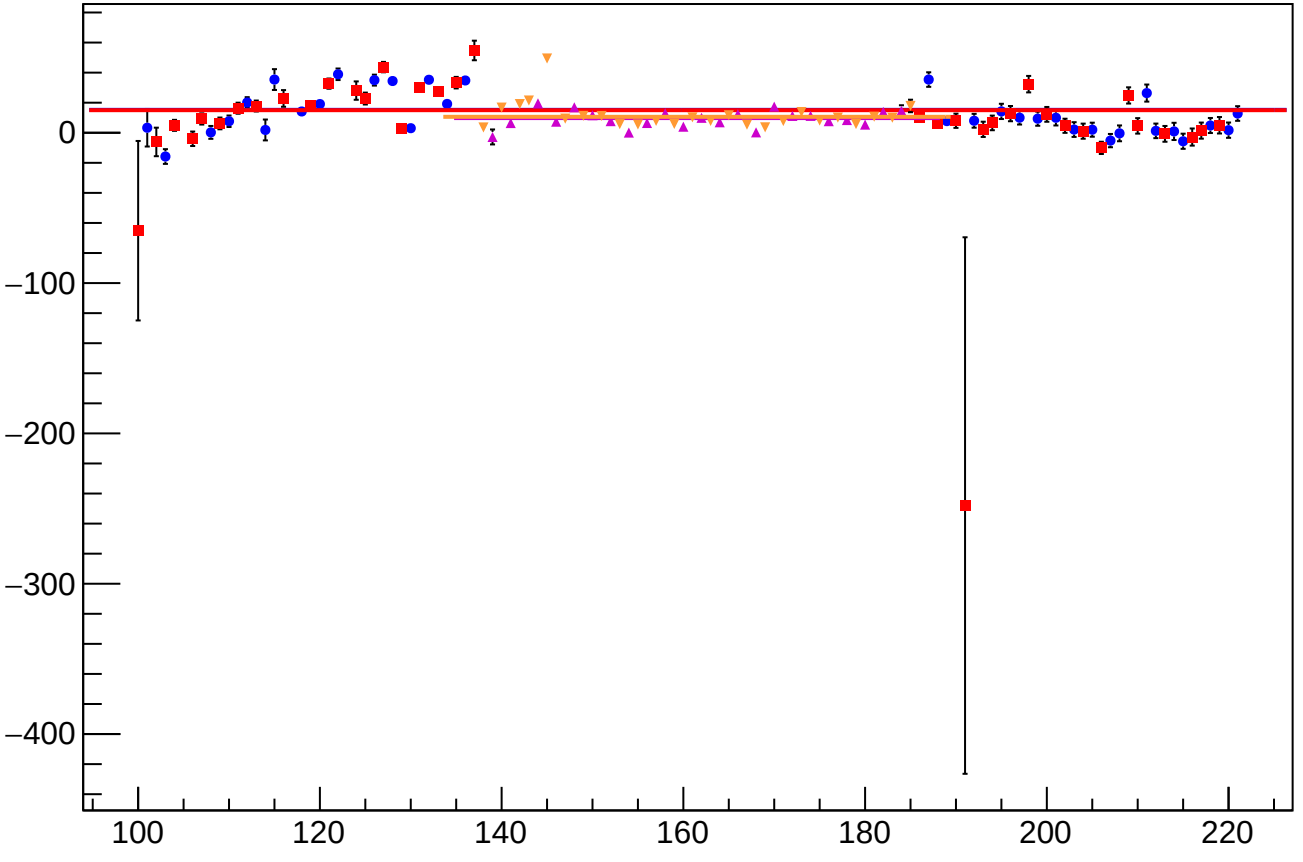
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -71.032+/-0.404 χ^2/NDF: 6032.4/58

All: -69.945+/-0.284 χ^2/NDF: 13131.8/118

\- sign -68.882+/-0.400 χ^2/NDF: 7085.1/59

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.236+/-0.686 χ^2/NDF: 398.4/33

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.022+/-0.649 χ^2/NDF: 399.0/36

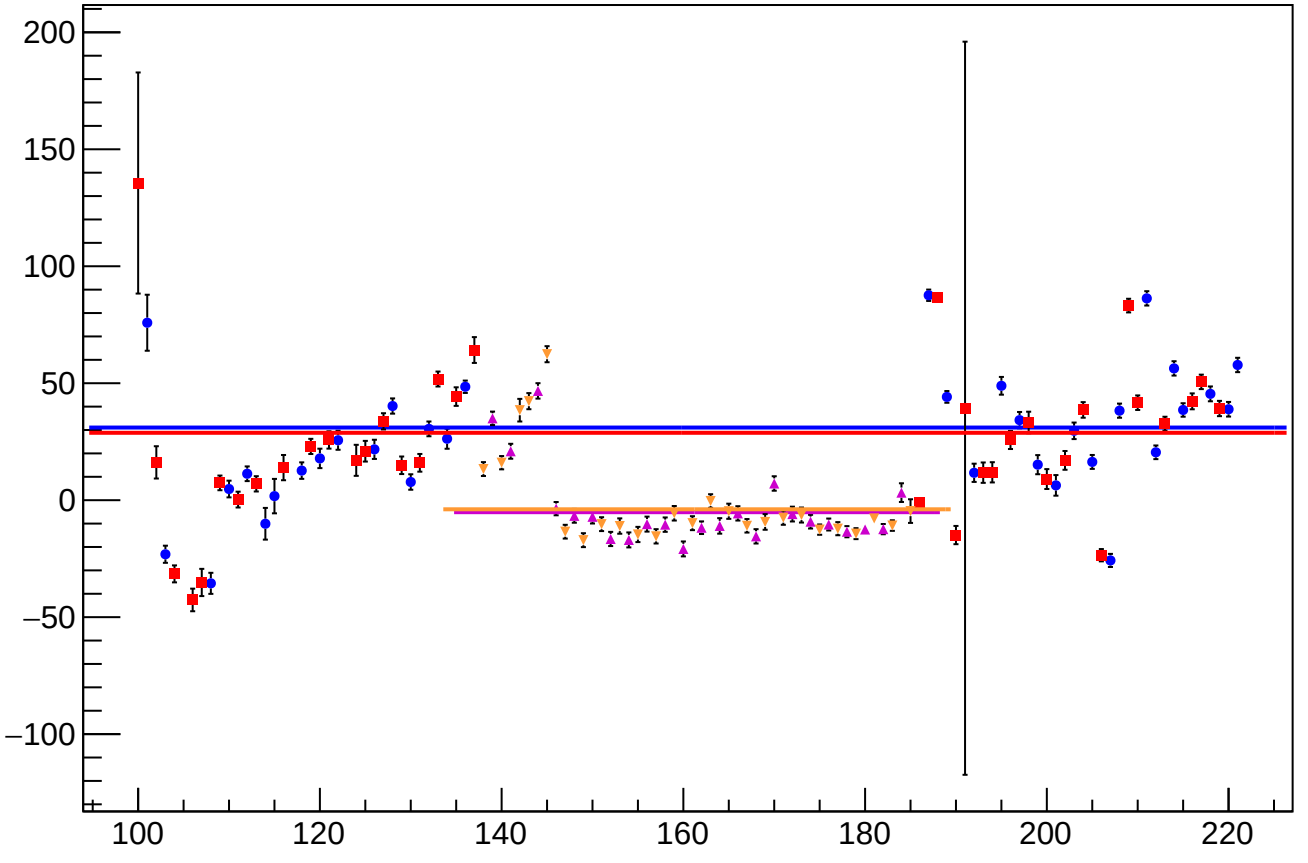
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 11.993+/-0.376 χ^2/NDF: 685.4/58

All: 11.778+/-0.267 χ^2/NDF: 1249.3/118

- sign 11.559+/-0.379 χ^2/NDF: 563.2/59

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 31.053+/-0.583 χ^2/NDF: 2364.1/33

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 28.814+/-0.541 χ^2/NDF: 4162.7/36

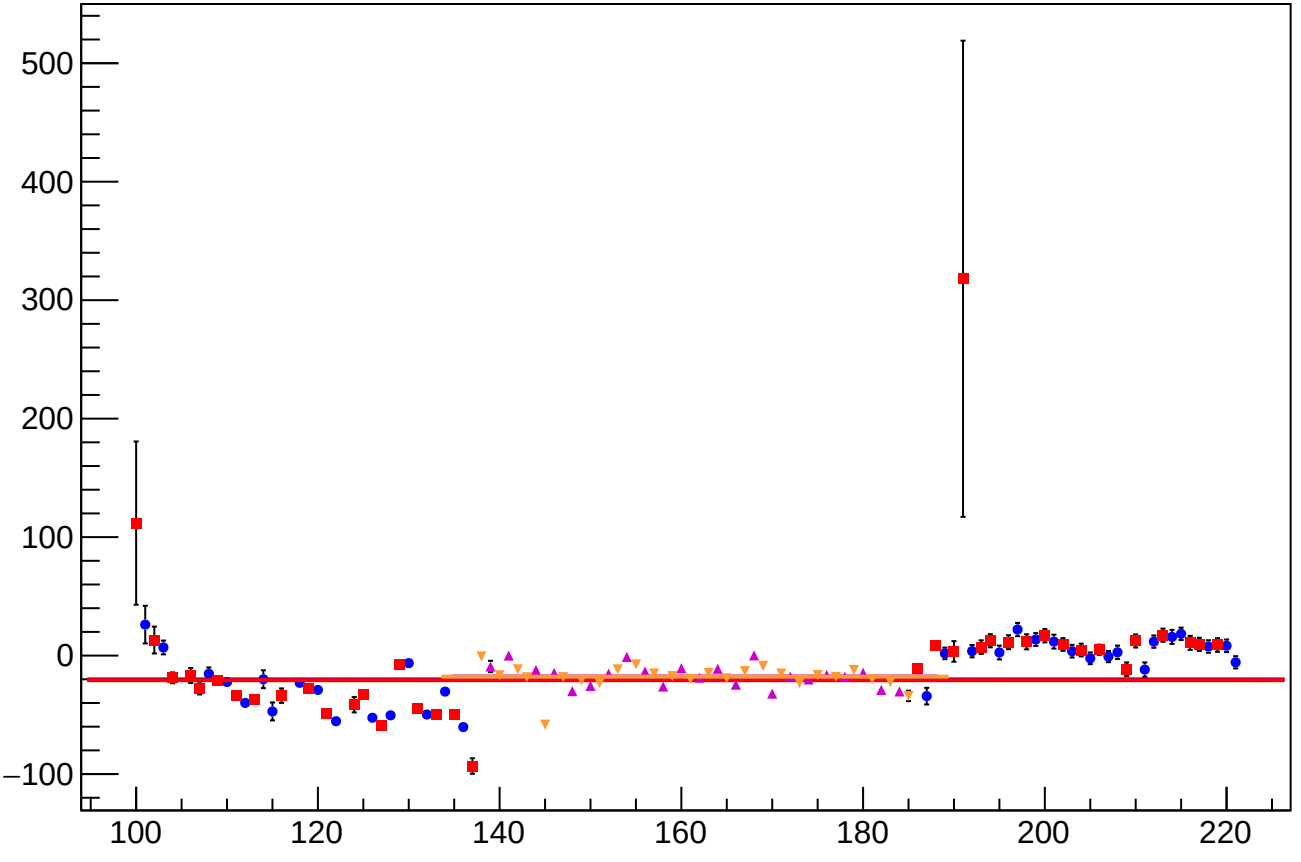
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 13.627+/-0.413 χ^2/NDF: 5003.3/58

All: 13.598+/-0.288 χ^2/NDF: 11580.4/118

\- sign 13.571+/-0.402 χ^2/NDF: 6577.1/59

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -20.129+/-0.783 χ^2/NDF: 1013.0/33

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -20.762+/-0.765 χ^2/NDF: 1085.0/36

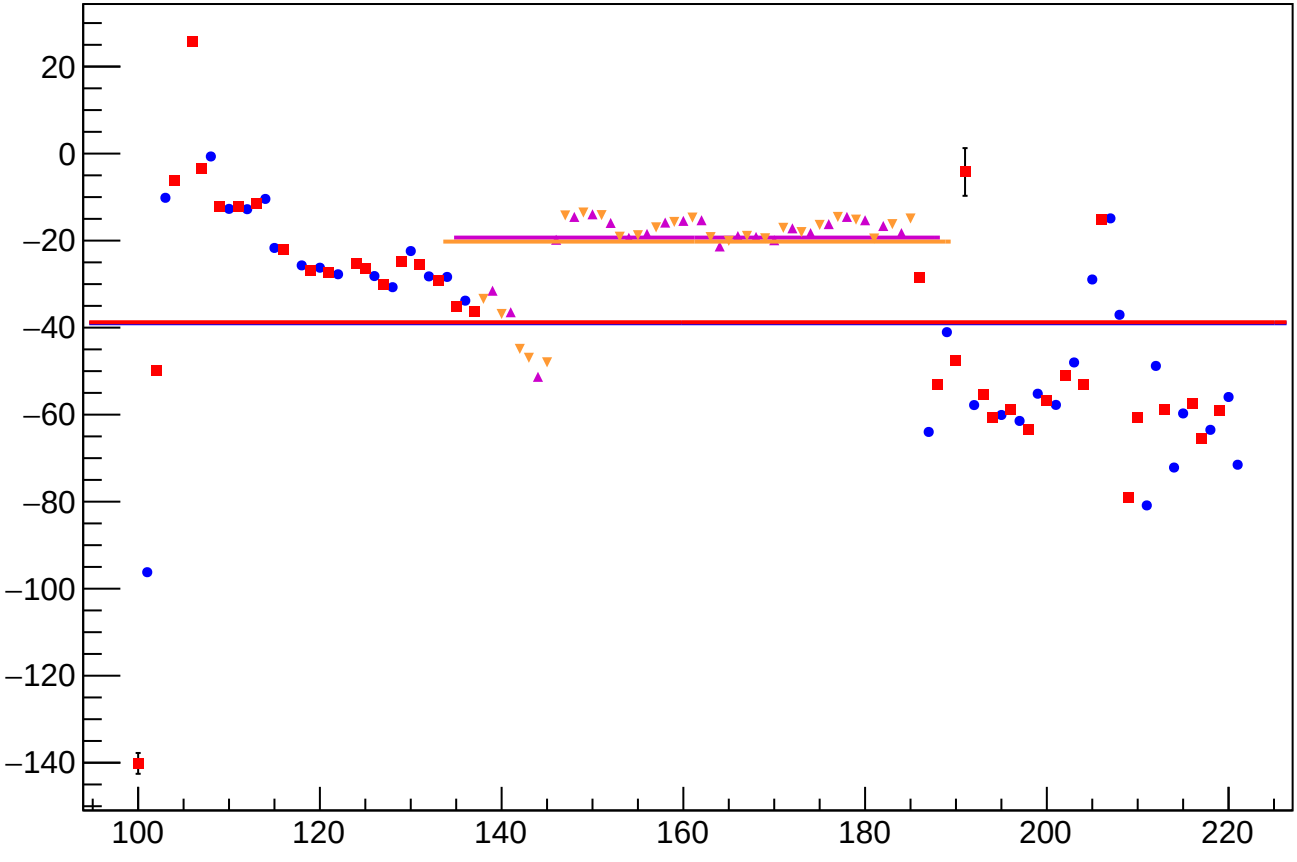
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -18.474+/-0.427 χ^2/NDF: 1270.9/58

All: -18.558+/-0.304 χ^2/NDF: 2653.1/118

- sign -18.644+/-0.433 χ^2/NDF: 1382.2/59

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.992+/-0.038 χ^2/NDF: 279895.2/33

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -38.766+/-0.038 χ^2/NDF: 344845.7/36

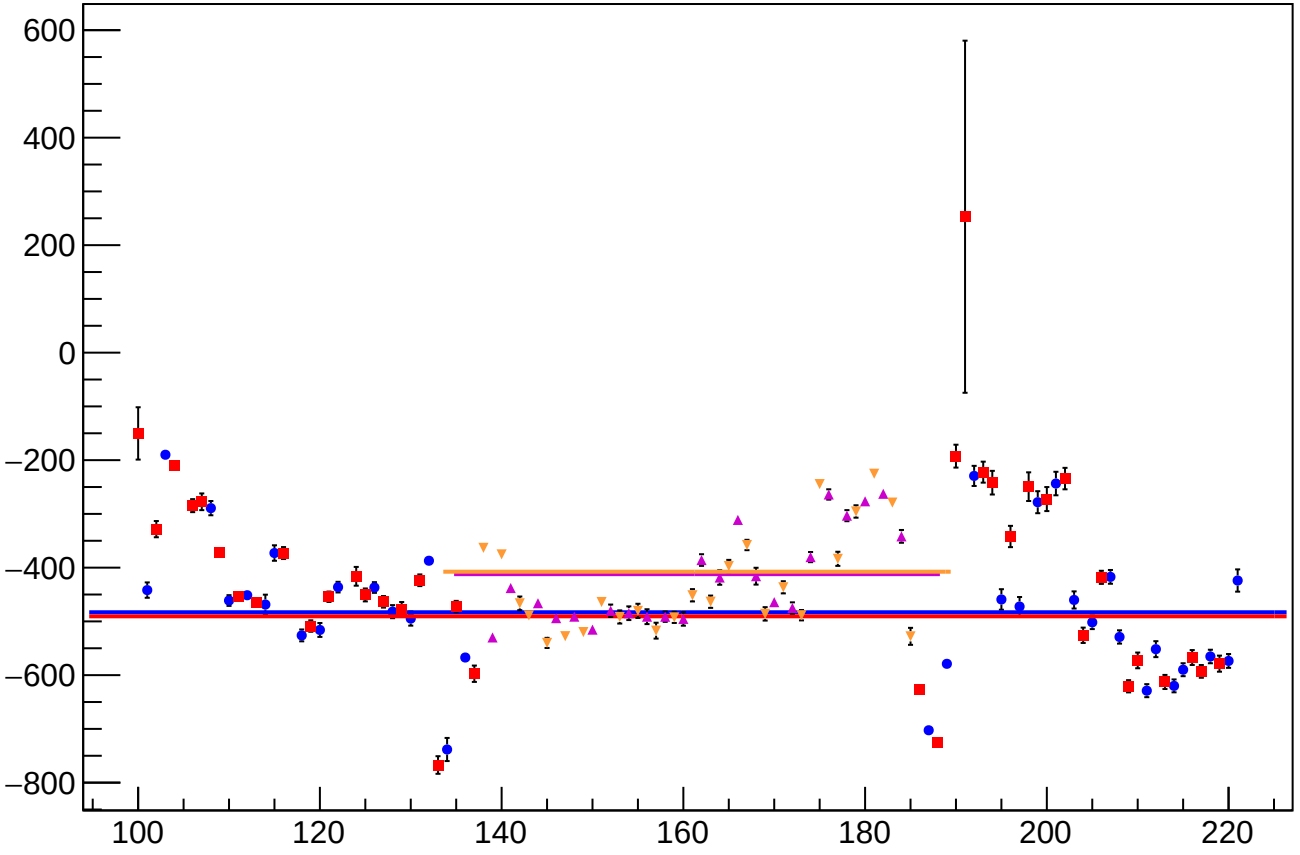
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -25.144+/-0.020 χ^2/NDF: 603866.7/58

All: -24.848+/-0.014 χ^2/NDF: 1230390.5/118

- sign -24.544+/-0.020 χ^2/NDF: 626062.8/59

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -483.014+/-2.050 χ^2/NDF: 3410.5/33

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -490.556+/-1.897 χ^2/NDF: 6556.0/36

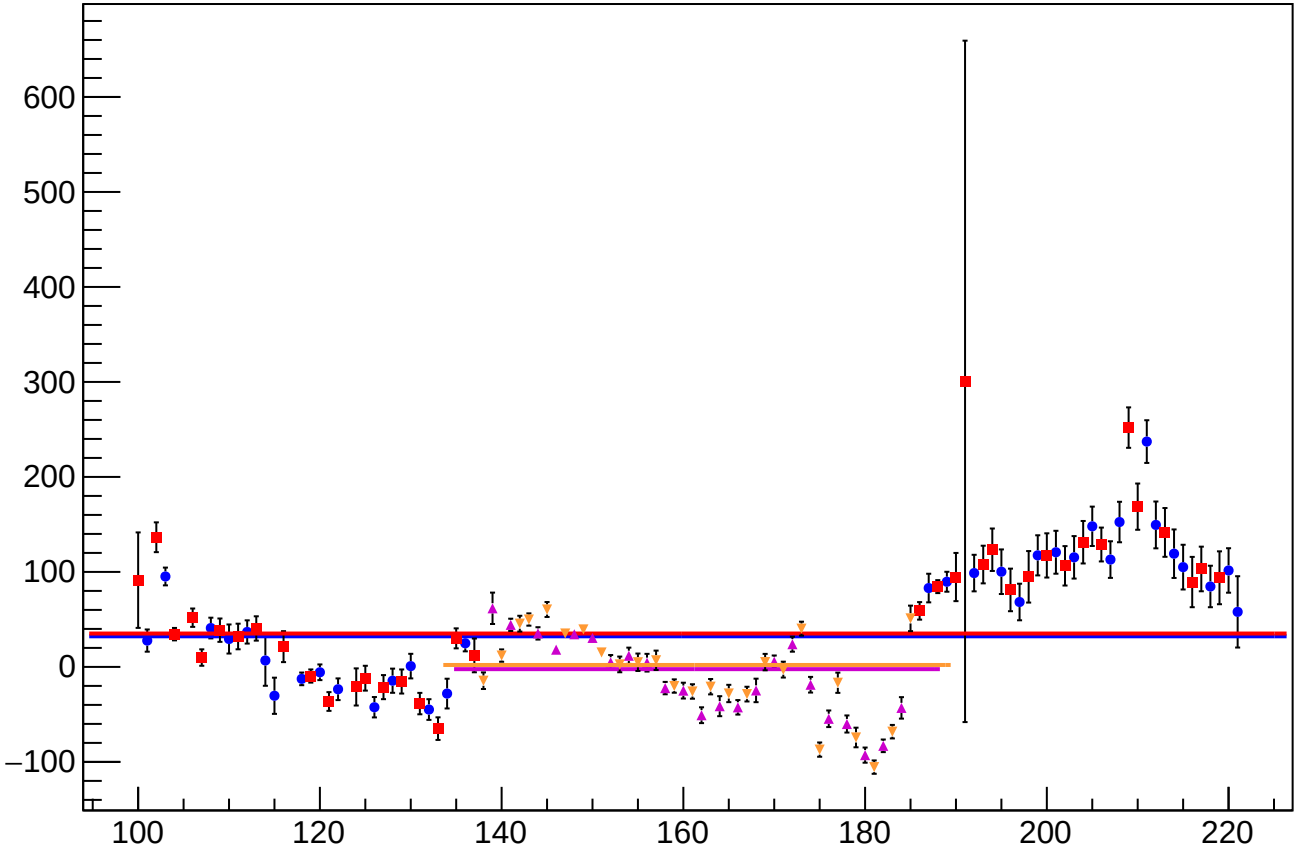
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -443.422+/-1.413 χ^2/NDF: 6994.2/58

All: -448.621+/-0.987 χ^2/NDF: 16565.5/118

- sign -453.571+/-1.379 χ^2/NDF: 9544.9/59

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 32.224+/-2.356 χ^2/NDF: 615.1/33

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 35.132+/-2.157 χ^2/NDF: 664.1/36

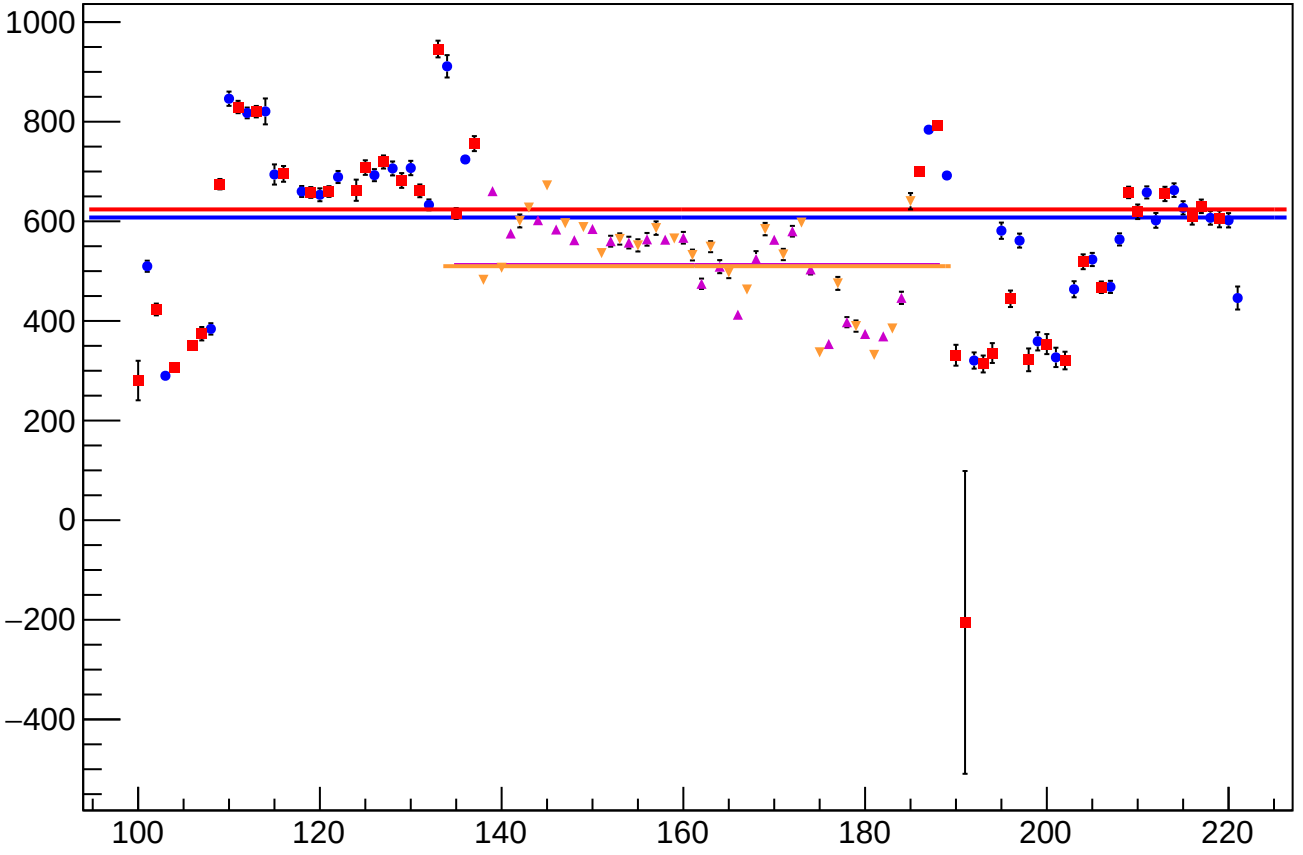
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 10.127+/-1.220 χ^2/NDF: 1645.9/58

All: 9.897+/-0.863 χ^2/NDF: 3248.8/118

- sign 9.667+/-1.222 χ^2/NDF: 1602.8/59

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 607.676+/-2.091 χ^2/NDF: 5612.1/33

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.913+/-1.873 χ^2/NDF: 8822.8/36

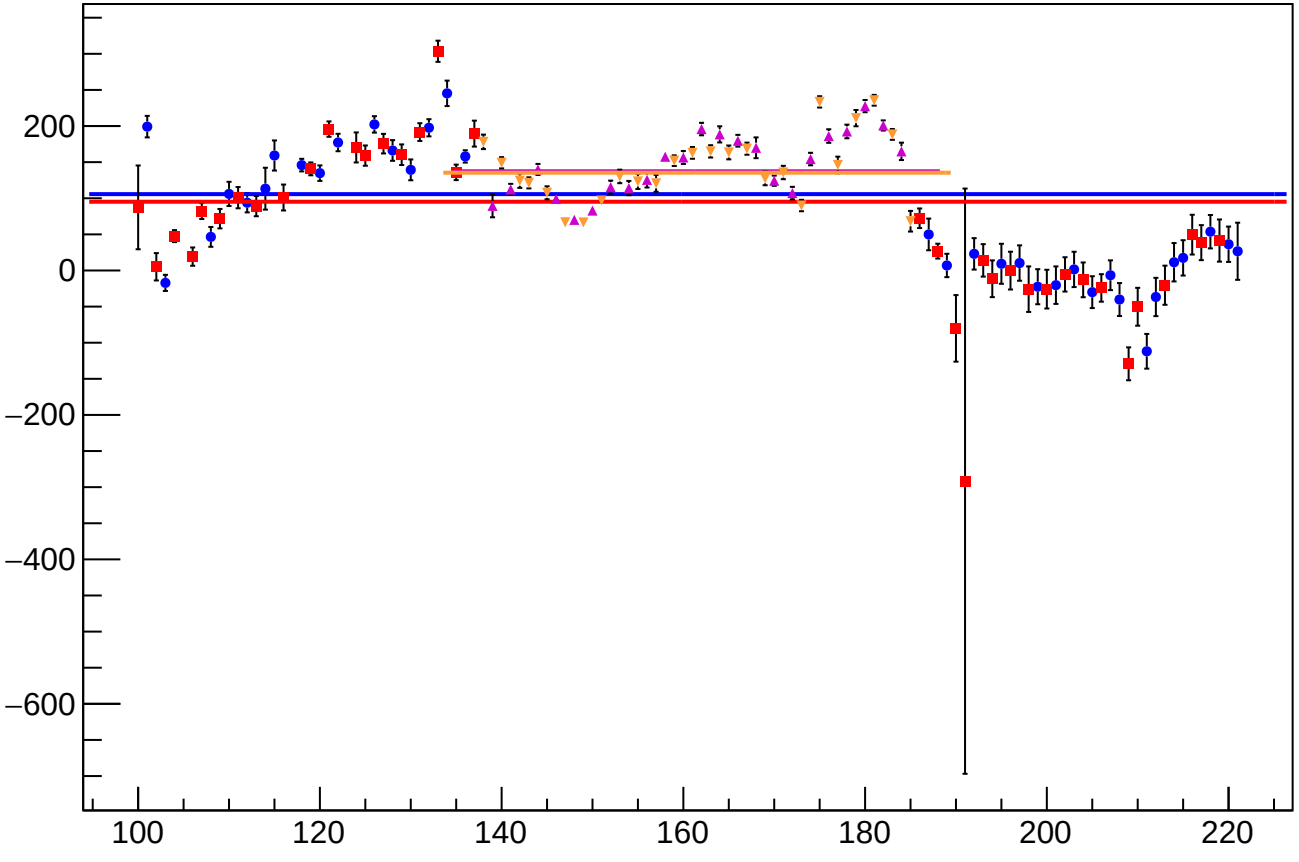
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.018+/-1.421 χ^2/NDF: 9451.6/58

All: 563.495+/-0.983 χ^2/NDF: 22104.6/118

- sign 571.288+/-1.362 χ^2/NDF: 12584.6/59

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 105.717+/-2.739 χ^2/NDF: 922.9/33

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 95.194+/-2.576 χ^2/NDF: 983.0/36

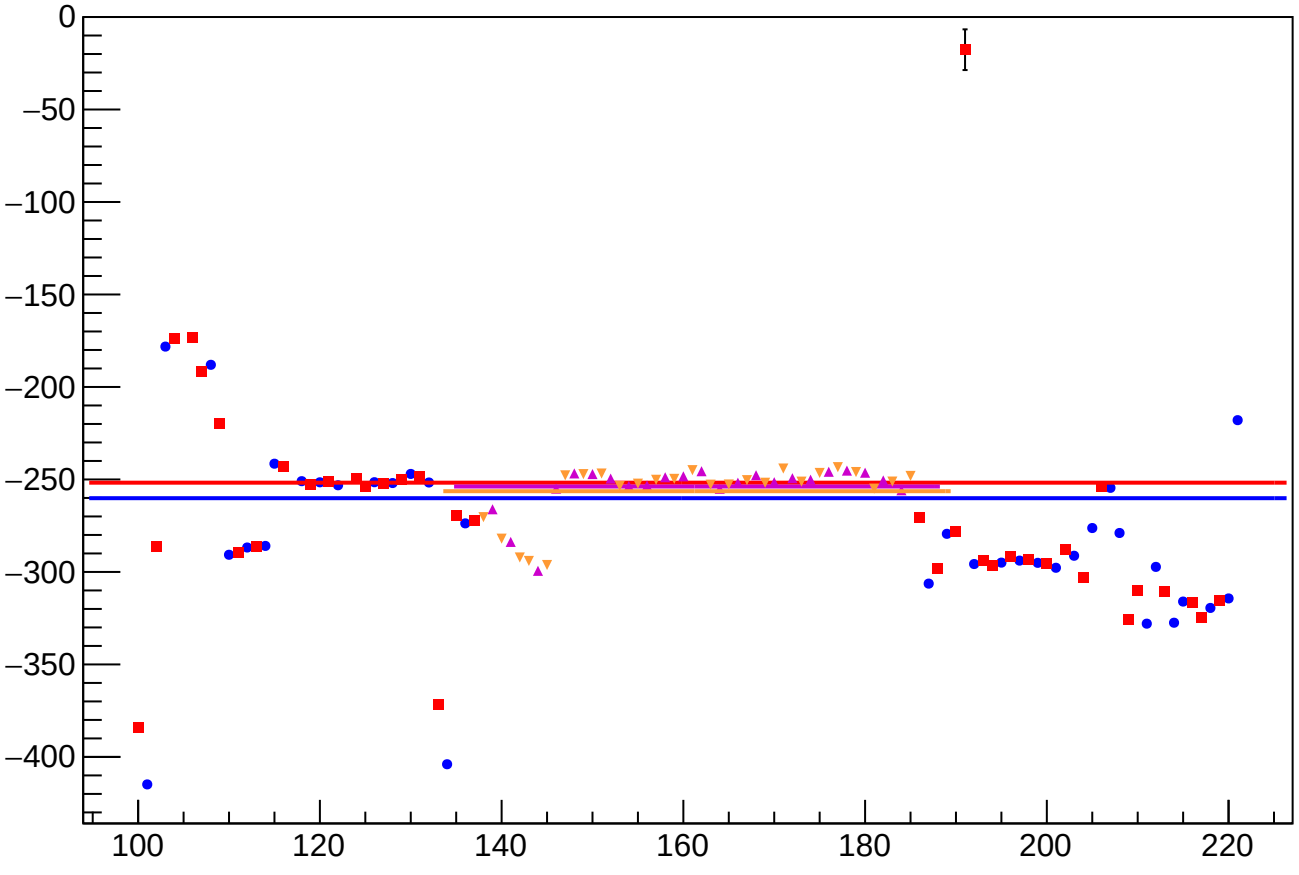
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 127.510+/-1.413 χ^2/NDF: 1932.3/58

All: 126.042+/-1.002 χ^2/NDF: 3810.0/118

- sign 124.557+/-1.420 χ^2/NDF: 1875.6/59

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -260.125+/-0.132 χ^2/NDF: 211497.3/33

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.741+/-0.127 χ^2/NDF: 163993.1/36

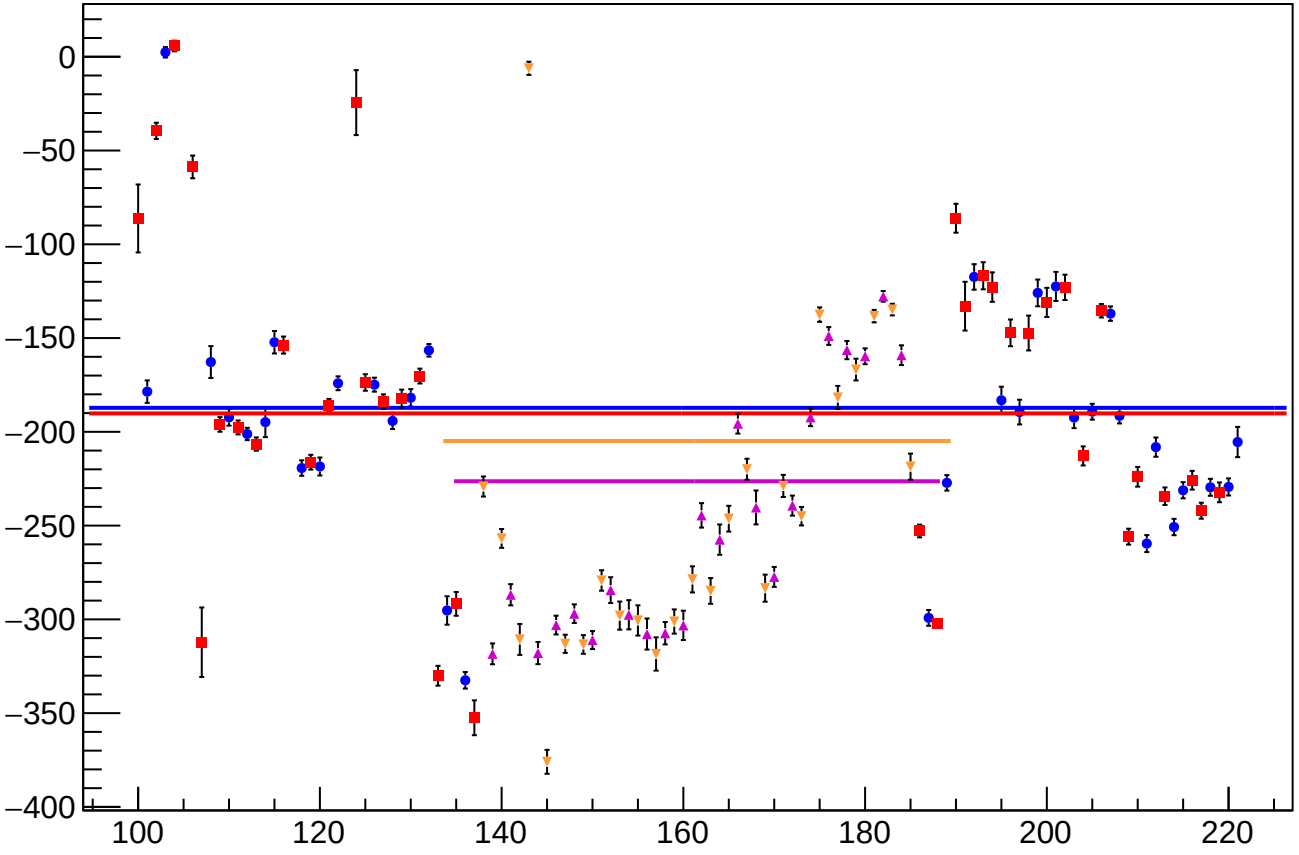
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -257.308+/-0.066 χ^2/NDF: 251625.7/58

All: -255.280+/-0.047 χ^2/NDF: 441751.2/118

- sign -253.253+/-0.066 χ^2/NDF: 188263.1/59

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -187.208+/-0.790 χ^2/NDF: 8202.5/33

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -190.169+/-0.764 χ^2/NDF: 12308.2/36

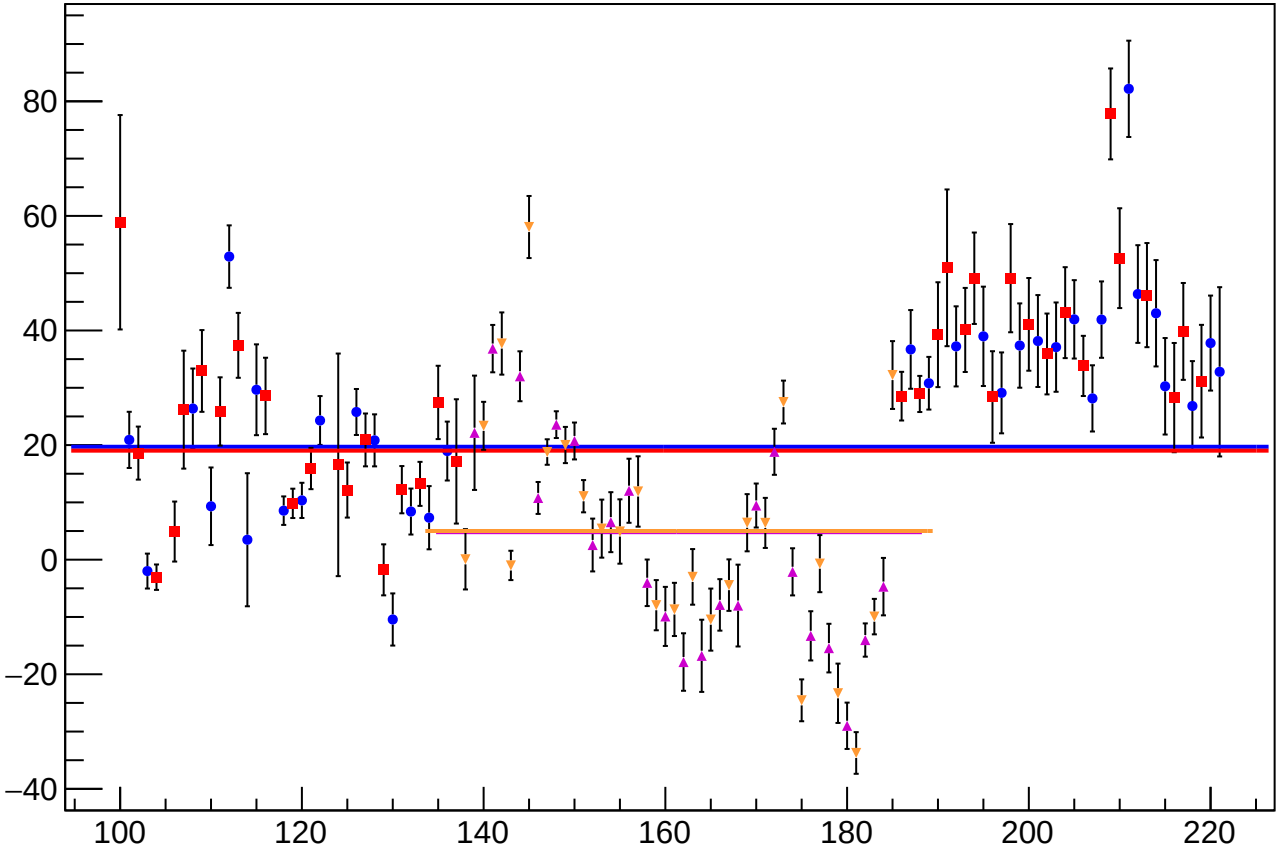
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -193.589+/-0.632 χ^2/NDF: 16209.4/58

All: -197.756+/-0.446 χ^2/NDF: 33549.1/118

- sign -201.876+/-0.628 χ^2/NDF: 17253.2/59

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.707+/-0.913 χ^2/NDF: 328.4/33

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 19.028+/-0.867 χ^2/NDF: 350.3/36

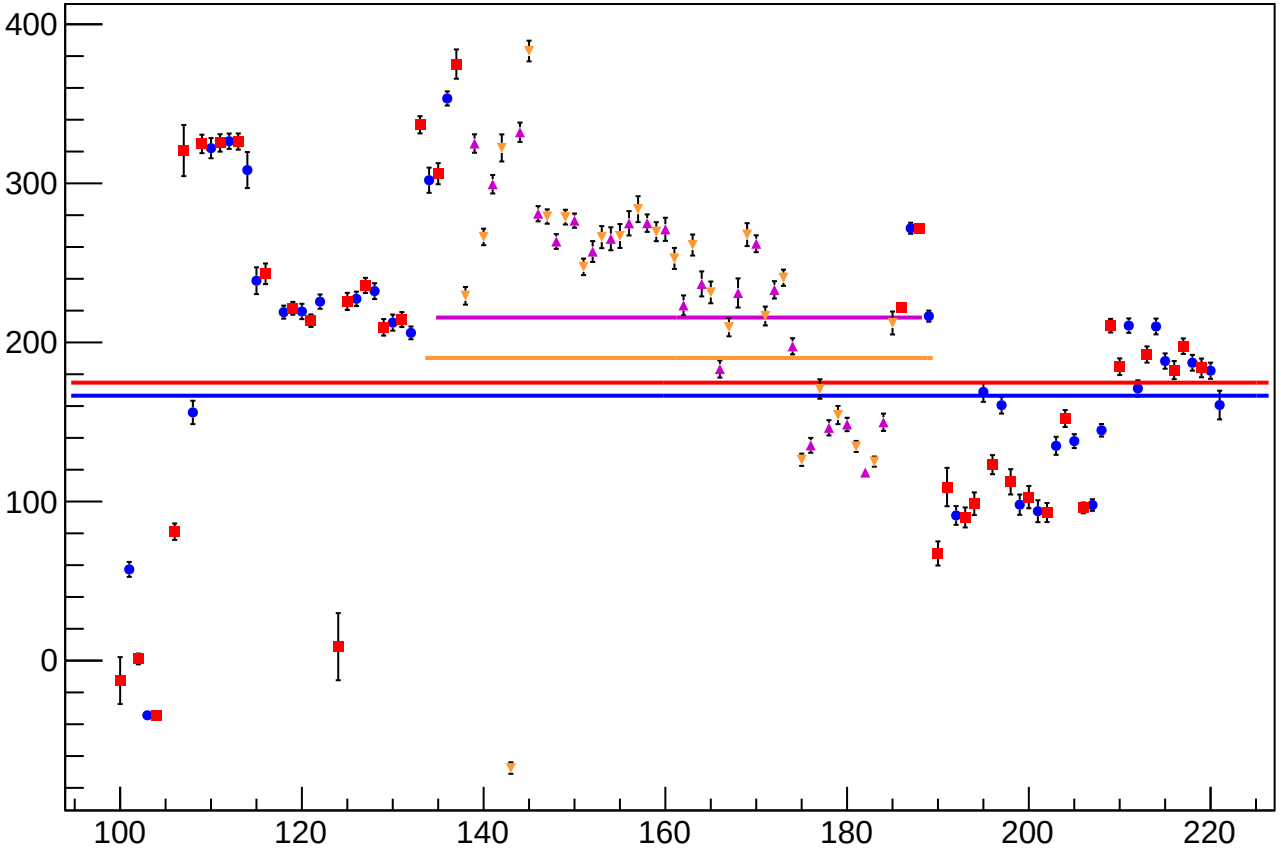
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 11.327+/-0.599 χ^2/NDF: 1024.5/58

All: 11.533+/-0.426 χ^2/NDF: 1939.3/118

\- sign 11.744+/-0.606 χ^2/NDF: 914.5/59

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.518+/-0.802 χ^2/NDF: 16171.5/33

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.727+/-0.753 χ^2/NDF: 21491.8/36

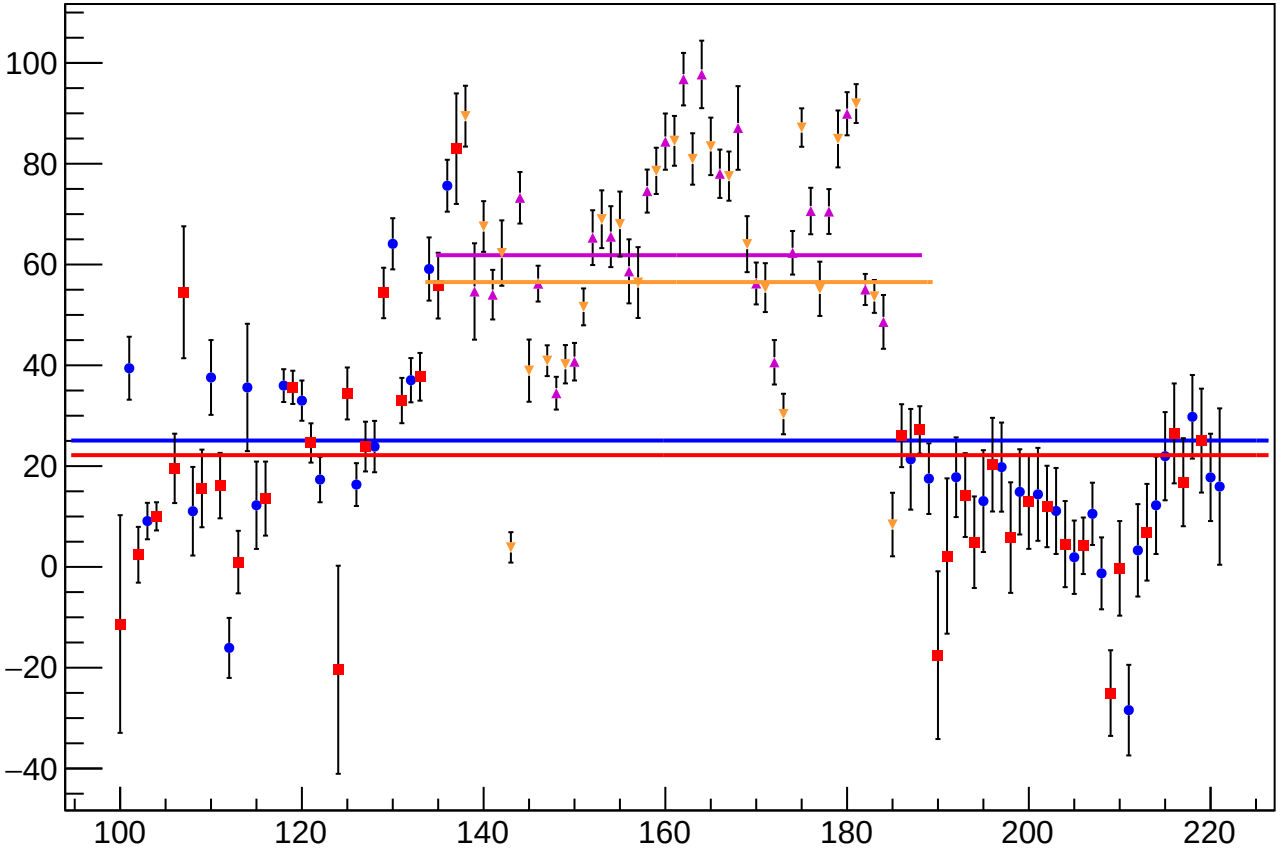
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 175.249+/-0.637 χ^2/NDF: 25877.3/58

All: 181.692+/-0.445 χ^2/NDF: 52398.8/118

- sign 187.811+/-0.621 χ^2/NDF: 26322.3/59

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.075+/-1.061 χ^2/NDF: 378.7/33

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.175+/-1.028 χ^2/NDF: 269.8/36

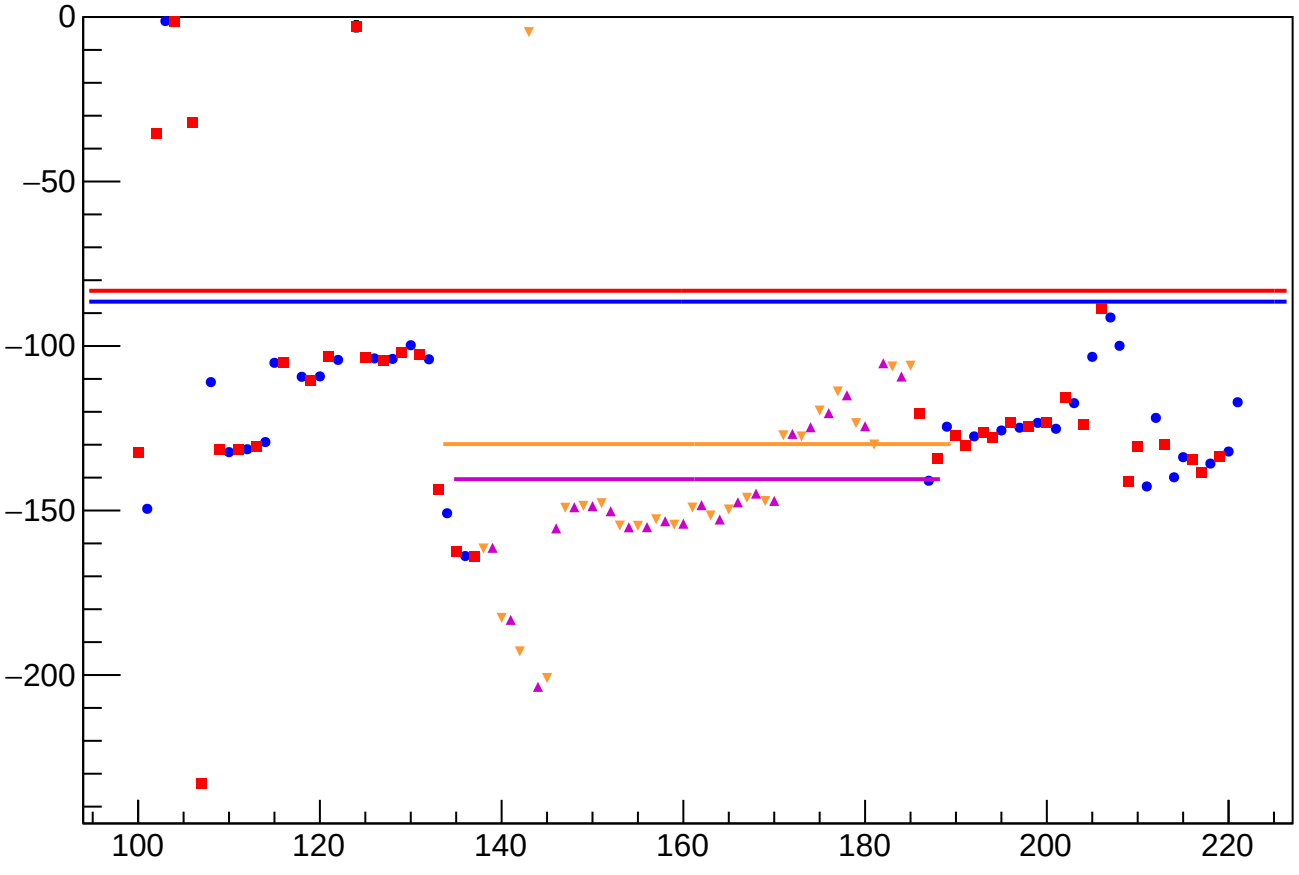
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 43.204+/-0.690 χ^2/NDF: 1684.0/58

All: 43.273+/-0.492 χ^2/NDF: 3068.9/118

- sign 43.343+/-0.702 χ^2/NDF: 1384.8/59

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -86.516+/-0.049 χ^2/NDF: 1370681.5/33

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -83.209+/-0.048 χ^2/NDF: 1329965.1/36

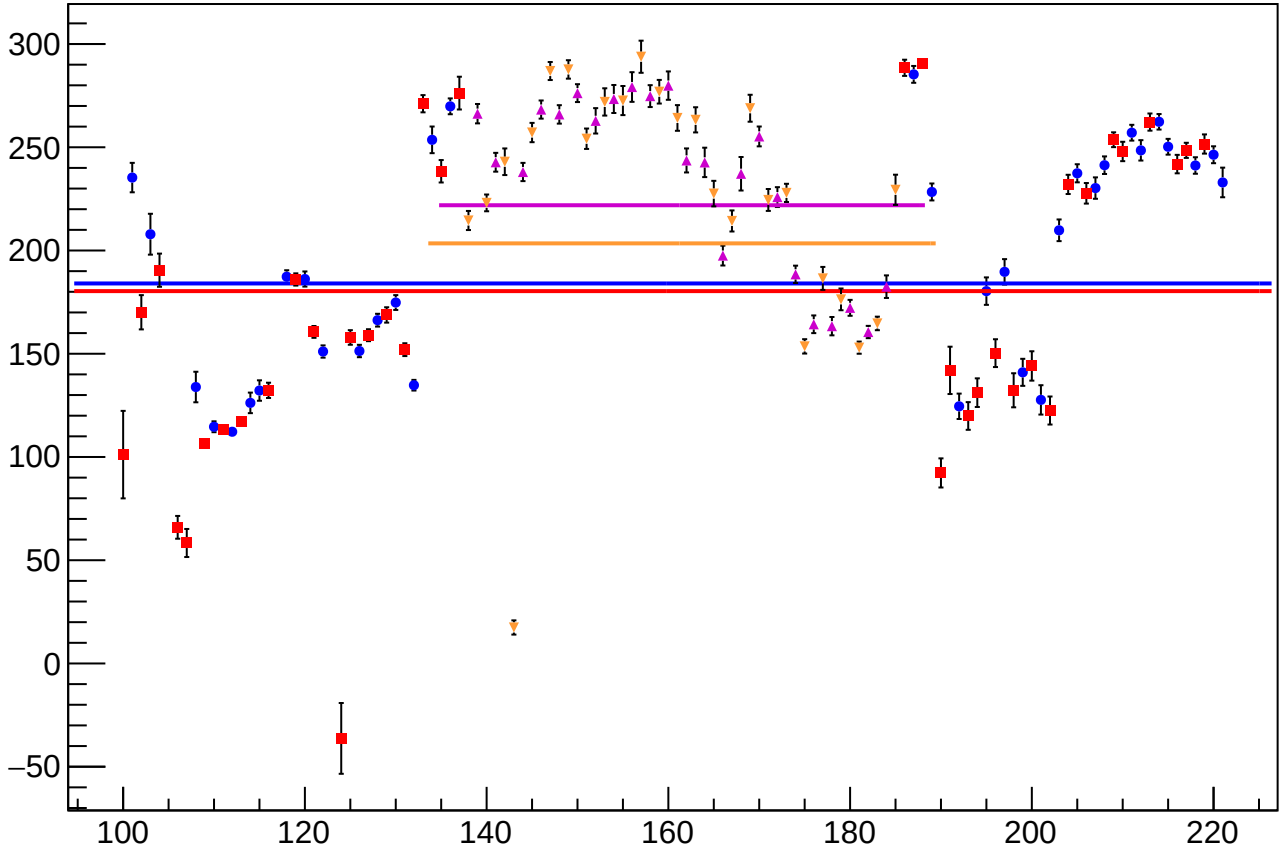
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.591+/-0.032 χ^2/NDF: 2839508.1/58

All: -113.140+/-0.023 χ^2/NDF: 5202456.7/11

- sign -114.718+/-0.032 χ^2/NDF: 2358245.2/59

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 184.041+/-0.685 χ^2/NDF: 6586.8/33

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 180.332+/-0.655 χ^2/NDF: 10543.5/36

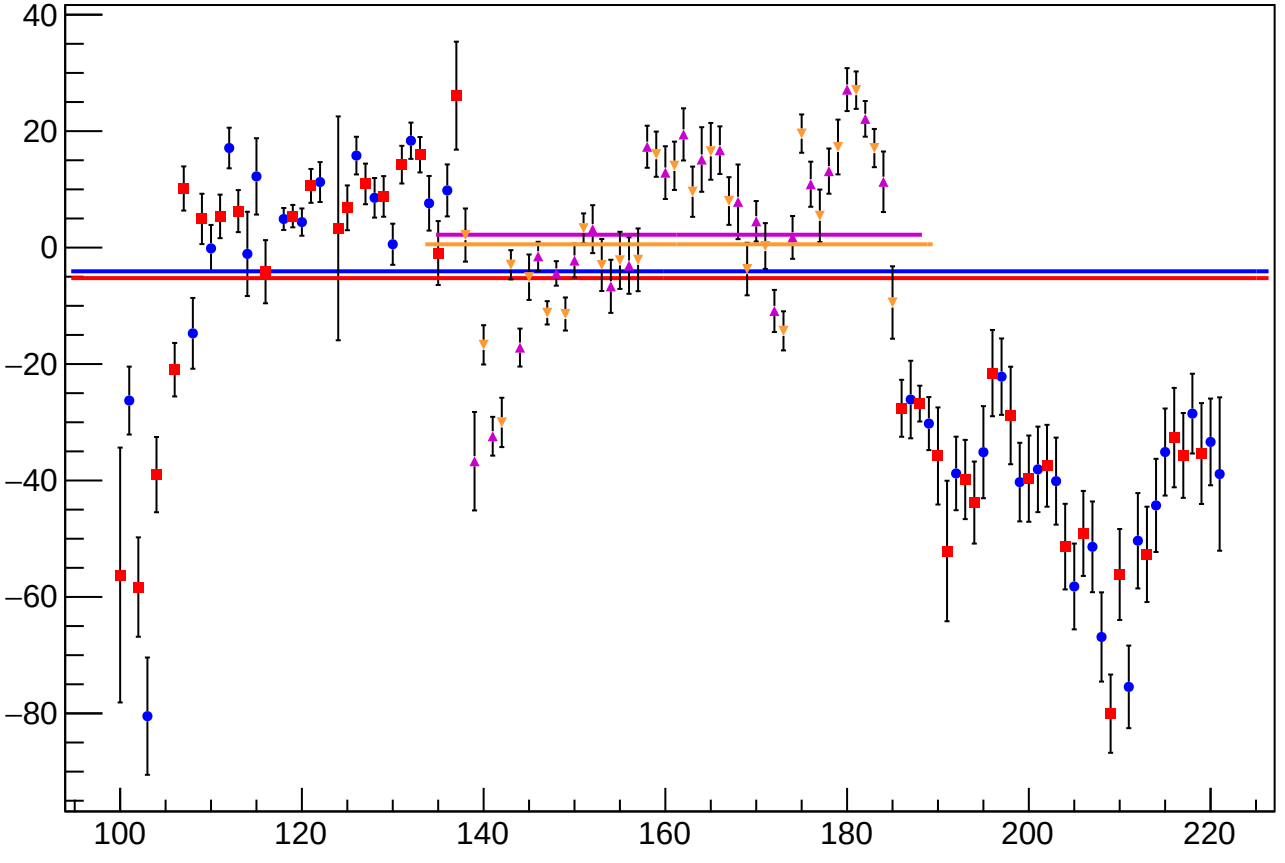
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 190.650+/-0.556 χ^2/NDF: 12352.0/58

All: 191.729+/-0.391 χ^2/NDF: 26094.7/118

- sign 192.780+/-0.549 χ^2/NDF: 13735.2/59

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -4.072+/-0.785 χ^2/NDF: 835.6/33

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.241+/-0.771 χ^2/NDF: 853.3/36

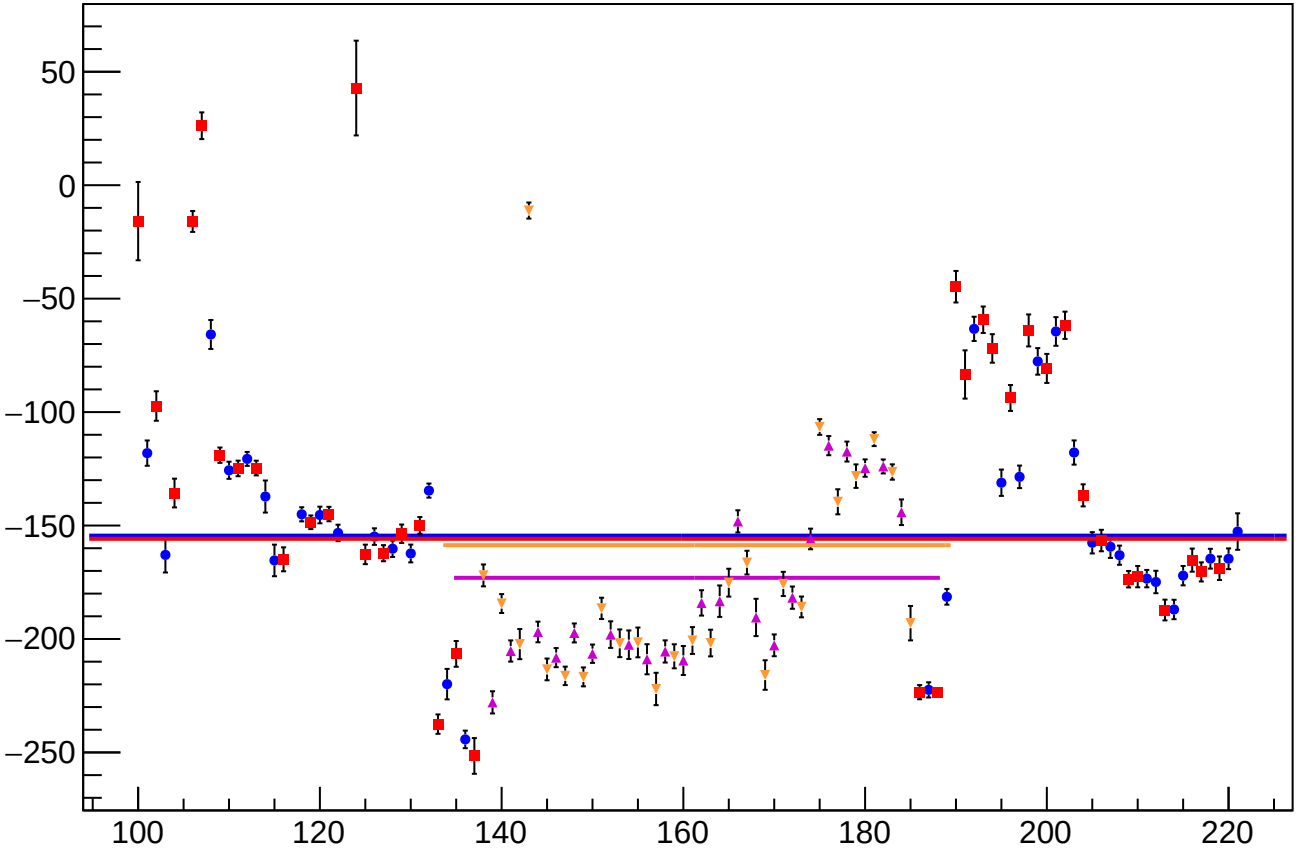
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -1.537+/-0.529 χ^2/NDF: 1200.1/58

All: -1.501+/-0.378 χ^2/NDF: 2459.0/118

- sign -1.463+/-0.541 χ^2/NDF: 1258.9/59

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -154.448+/-0.747 χ^2/NDF: 2479.0/33

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.848+/-0.705 χ^2/NDF: 6536.4/36

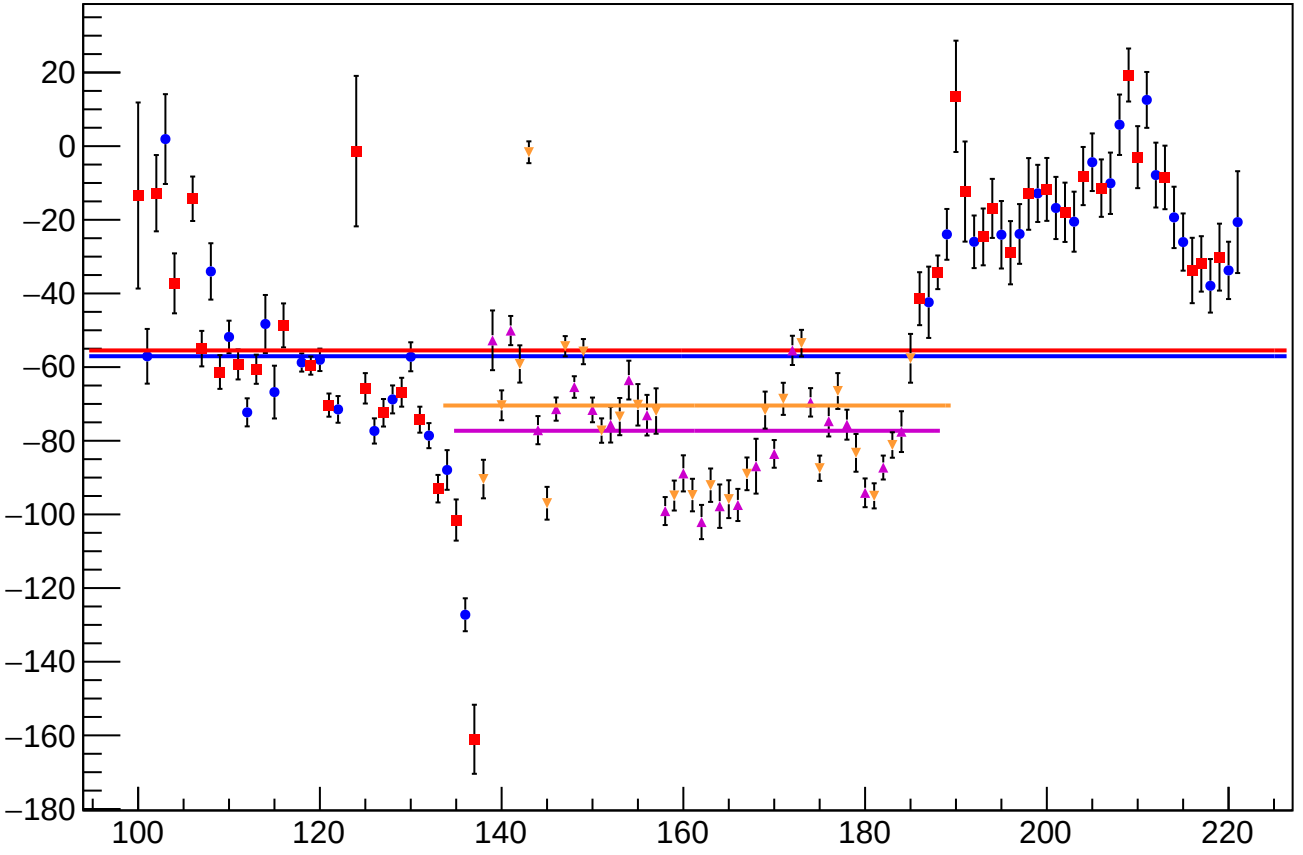
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.054+/-0.587 χ^2/NDF: 5982.9/58

All: -158.878+/-0.411 χ^2/NDF: 14163.2/118

- sign -161.589+/-0.575 χ^2/NDF: 8135.0/59

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -57.046+/-0.910 χ^2/NDF: 893.1/33

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.467+/-0.899 χ^2/NDF: 907.6/36

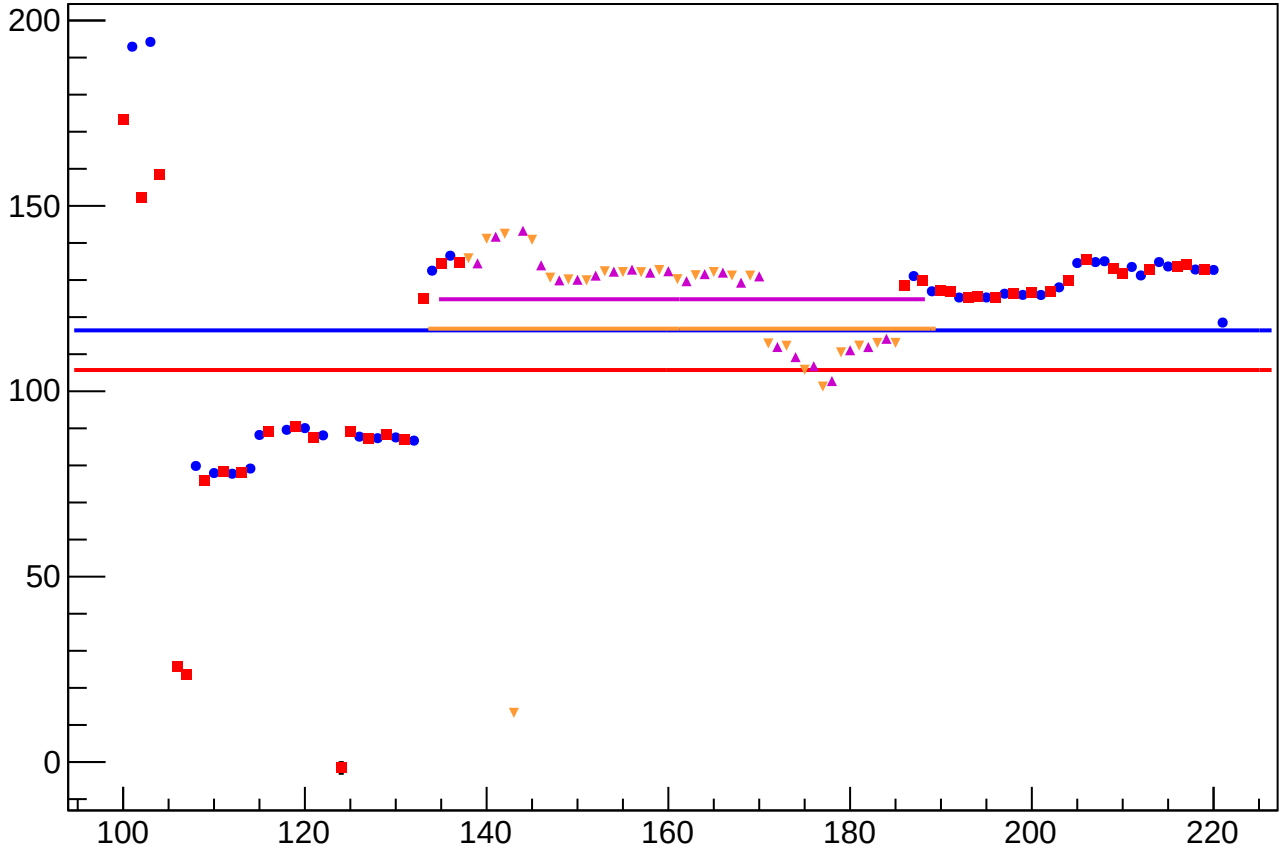
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -64.418+/-0.610 χ^2/NDF: 1914.0/58

All: -65.575+/-0.436 χ^2/NDF: 3389.1/118

- sign -66.784+/-0.623 χ^2/NDF: 1467.7/59

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 116.423+/-0.052 χ^2/NDF: 292276.5/33

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.730+/-0.049 χ^2/NDF: 547640.8/36

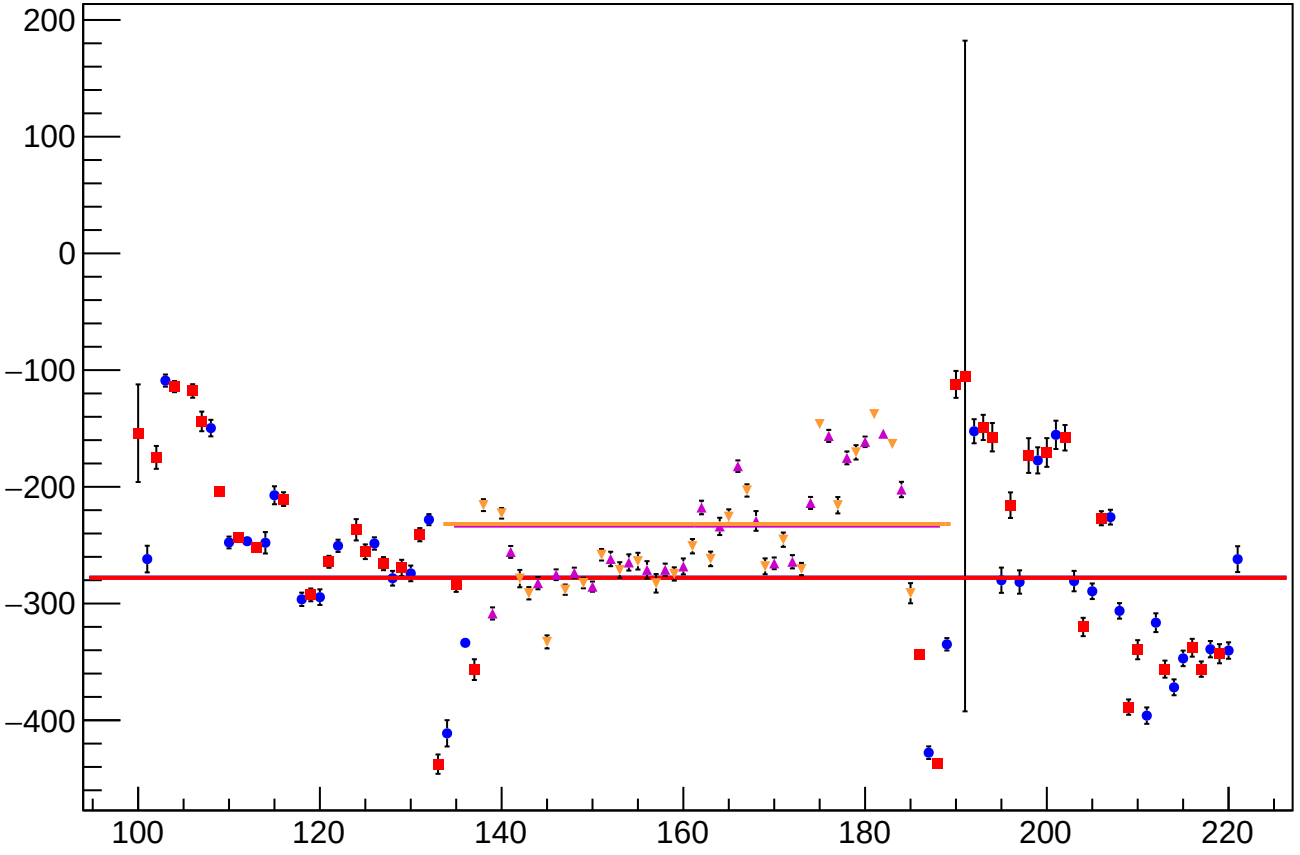
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.721+/-0.031 χ^2/NDF: 915437.1/58

All: 117.032+/-0.022 χ^2/NDF: 1643675.2/118

- sign 117.342+/-0.031 χ^2/NDF: 728033.3/59

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -277.749+/-1.113 χ^2/NDF: 4151.8/33

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -278.007+/-1.026 χ^2/NDF: 8317.7/36

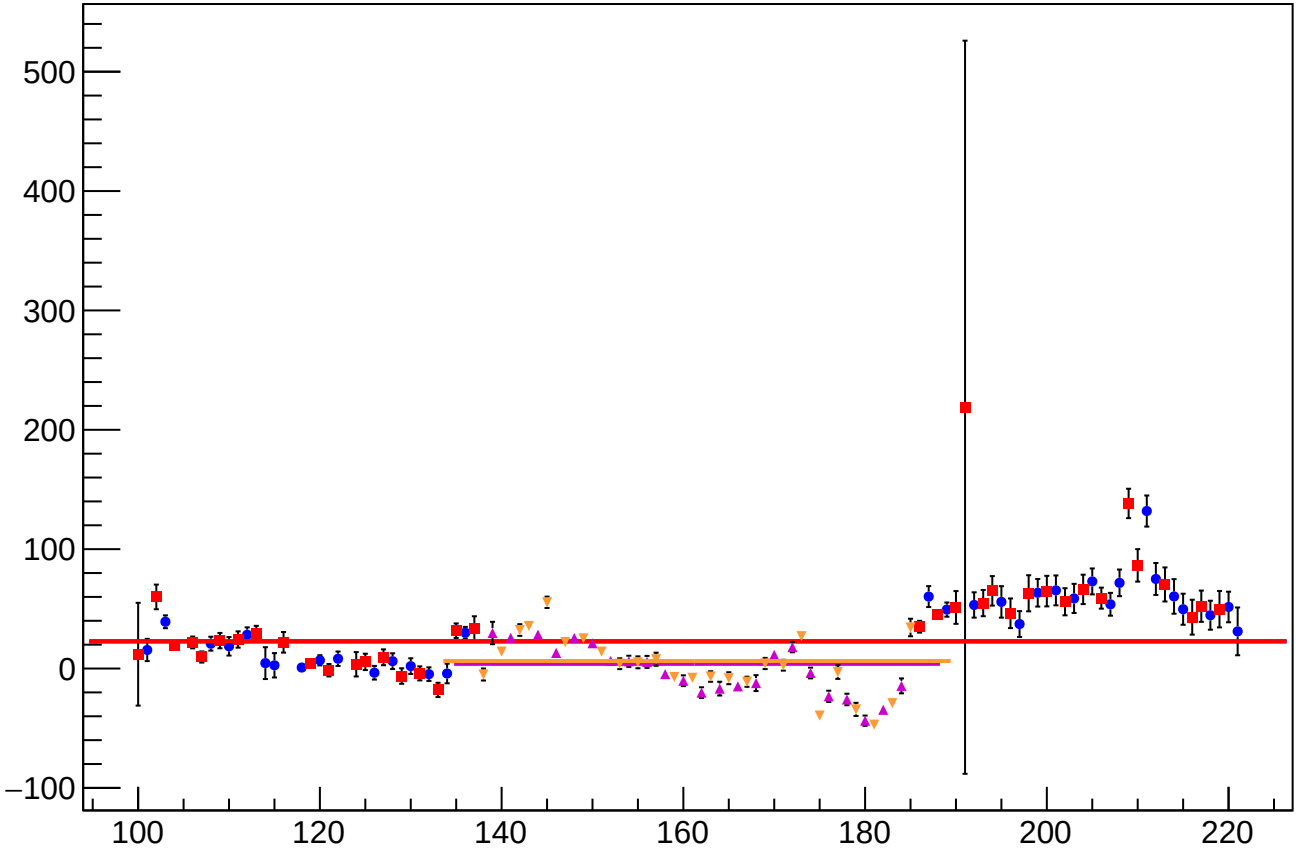
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -254.108+/-0.775 χ^2/NDF: 7704.2/58

All: -255.770+/-0.540 χ^2/NDF: 18976.2/118

- sign -257.337+/-0.753 χ^2/NDF: 11263.1/59

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 22.631+/-1.278 χ^2/NDF: 393.6/33

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.966+/-1.167 χ^2/NDF: 429.4/36

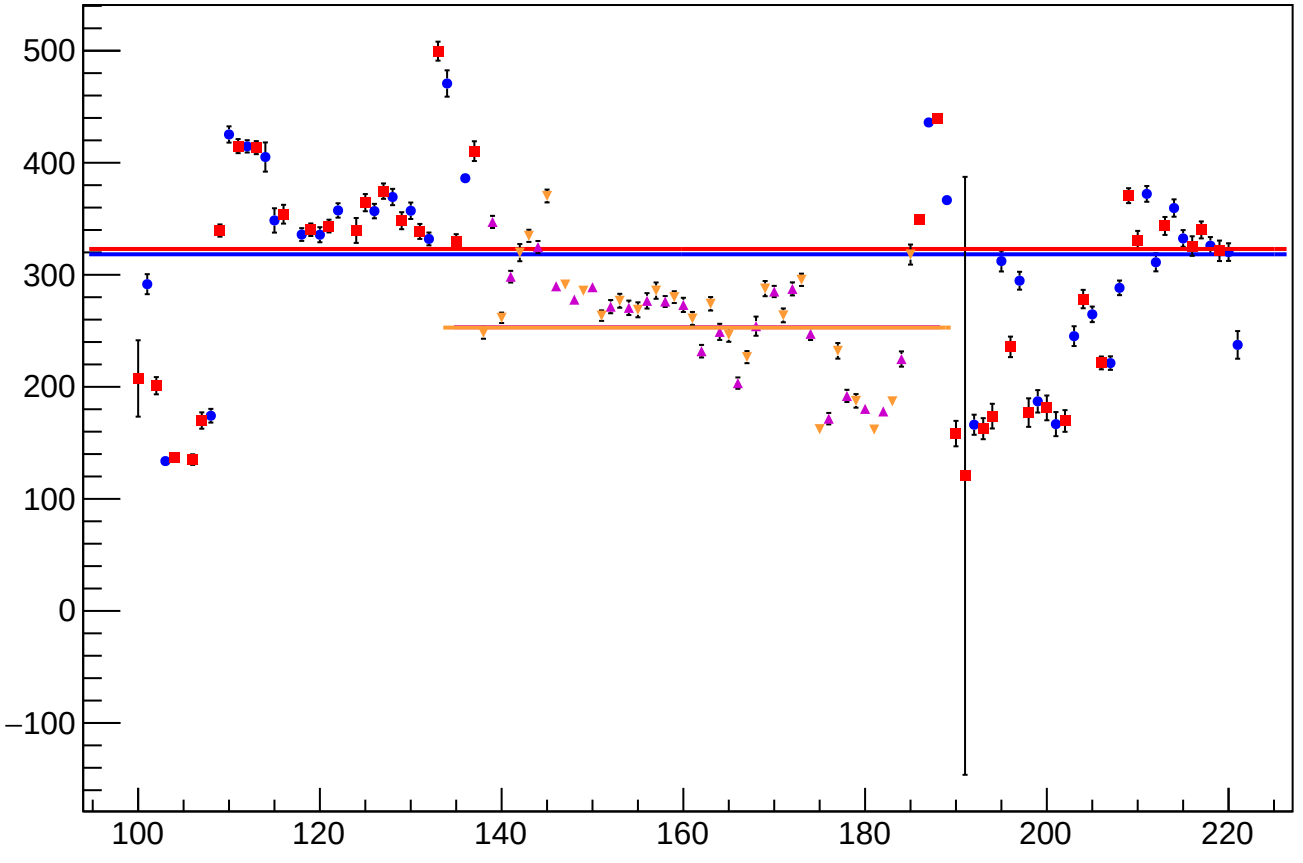
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 10.800+/-0.671 χ^2/NDF: 1383.5/58

All: 10.493+/-0.474 χ^2/NDF: 2642.4/118

- sign 10.187+/-0.670 χ^2/NDF: 1258.5/59

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 318.299+/-1.154 χ^2/NDF: 5821.8/33

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 323.067+/-1.030 χ^2/NDF: 10158.8/36

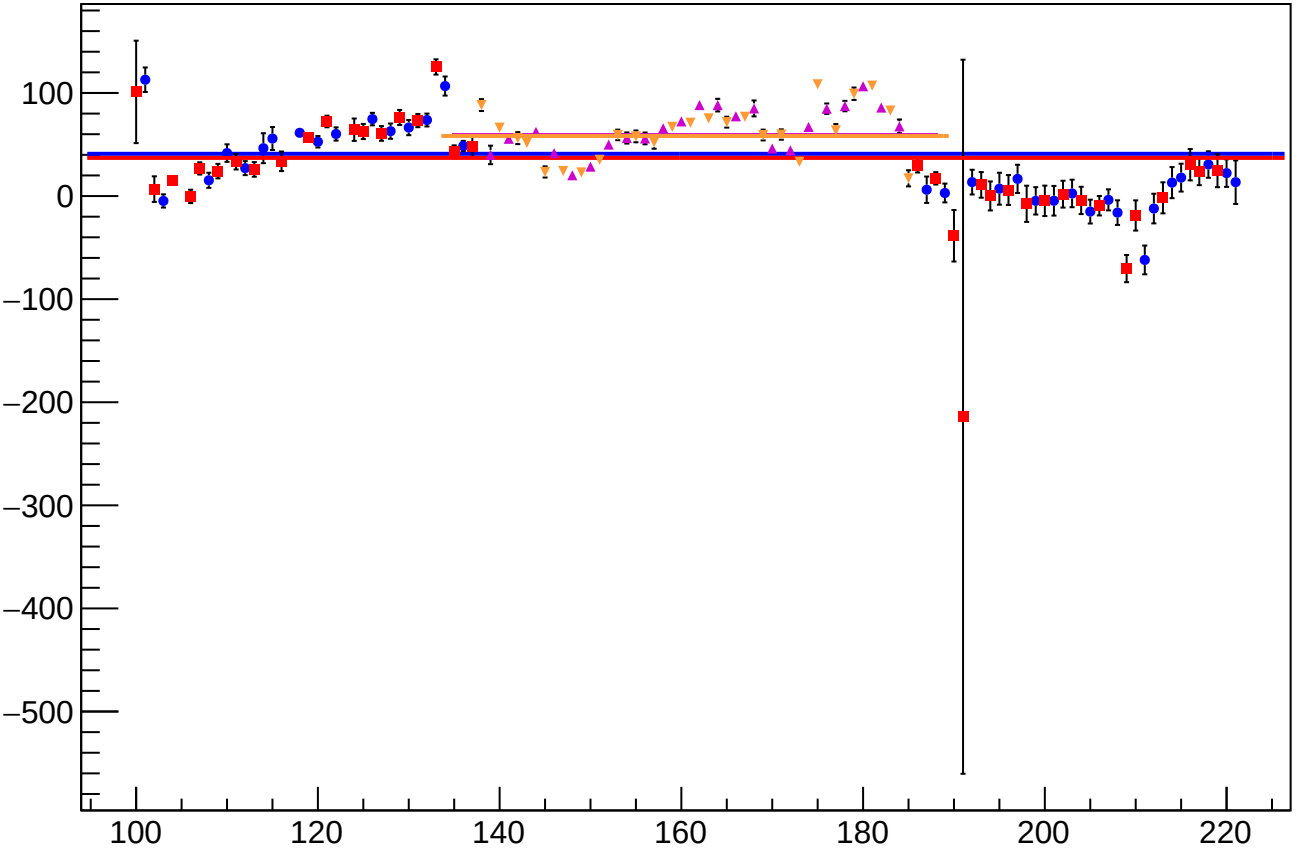
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 283.151+/-0.785 χ^2/NDF: 10128.5/58

All: 286.861+/-0.542 χ^2/NDF: 24550.5/118

- sign 290.248+/-0.750 χ^2/NDF: 14379.3/59

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 40.975+/-1.482 χ^2/NDF: 483.8/33

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.008+/-1.390 χ^2/NDF: 544.4/36

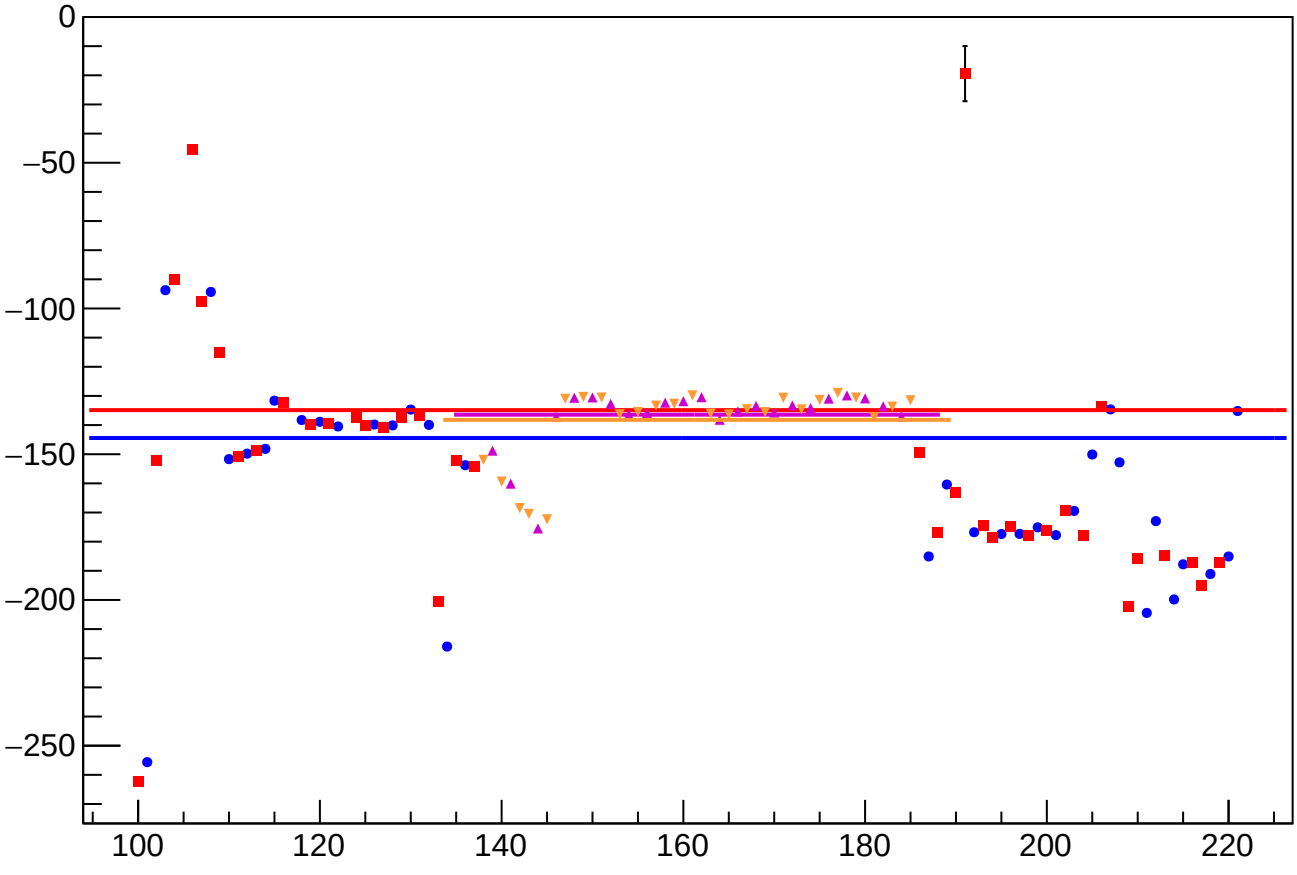
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 53.552+/-0.776 χ^2/NDF: 1433.2/58

All: 52.886+/-0.549 χ^2/NDF: 2785.9/118

- sign 52.218+/-0.778 χ^2/NDF: 1351.2/59

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -144.434+/-0.073 χ^2/NDF: 262187.5/33

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.872+/-0.070 χ^2/NDF: 369032.7/36

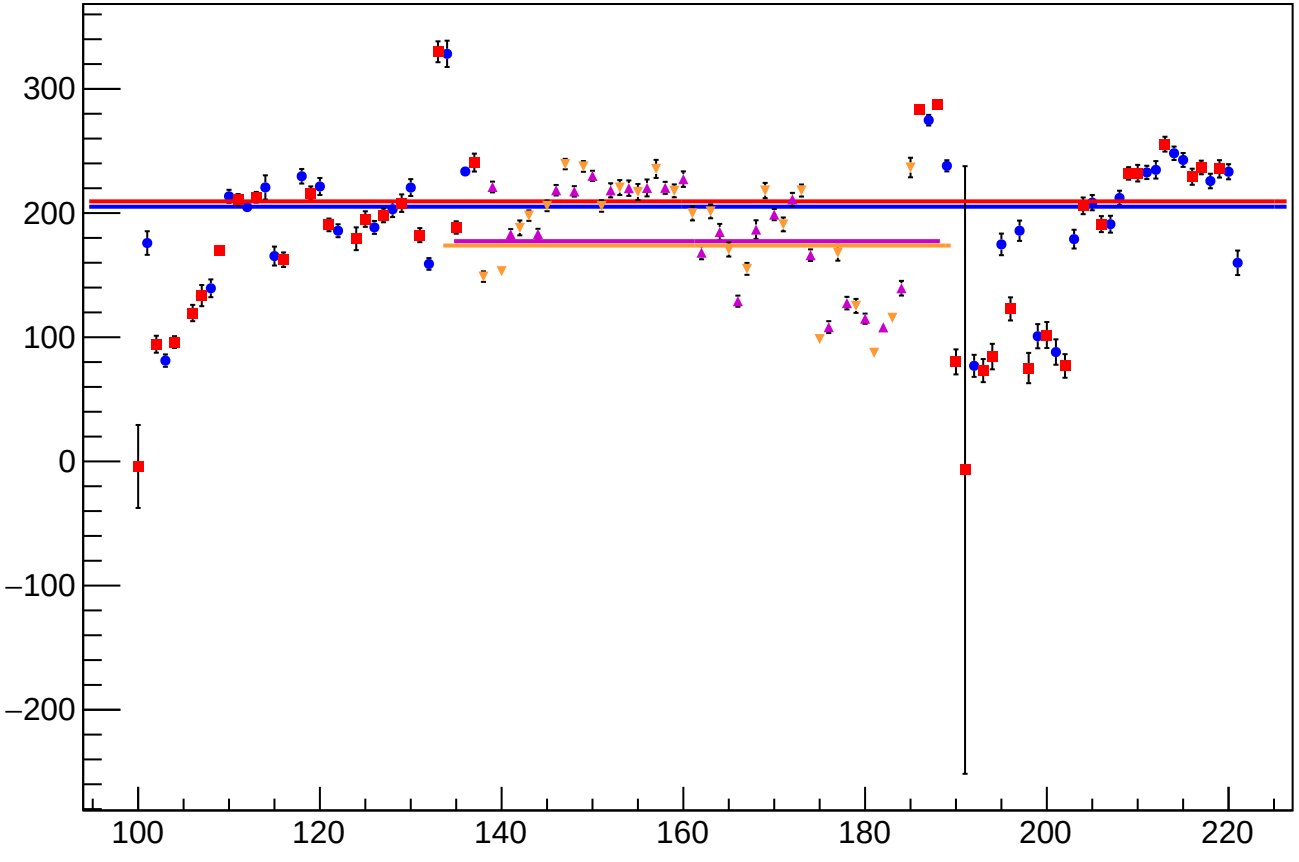
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.793+/-0.037 χ^2/NDF: 349439.5/58

All: -137.885+/-0.026 χ^2/NDF: 773994.9/118

- sign -136.001+/-0.036 χ^2/NDF: 419188.5/59

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 205.119+/-1.025 χ^2/NDF: 2110.8/33

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 209.435+/-0.946 χ^2/NDF: 4358.8/36

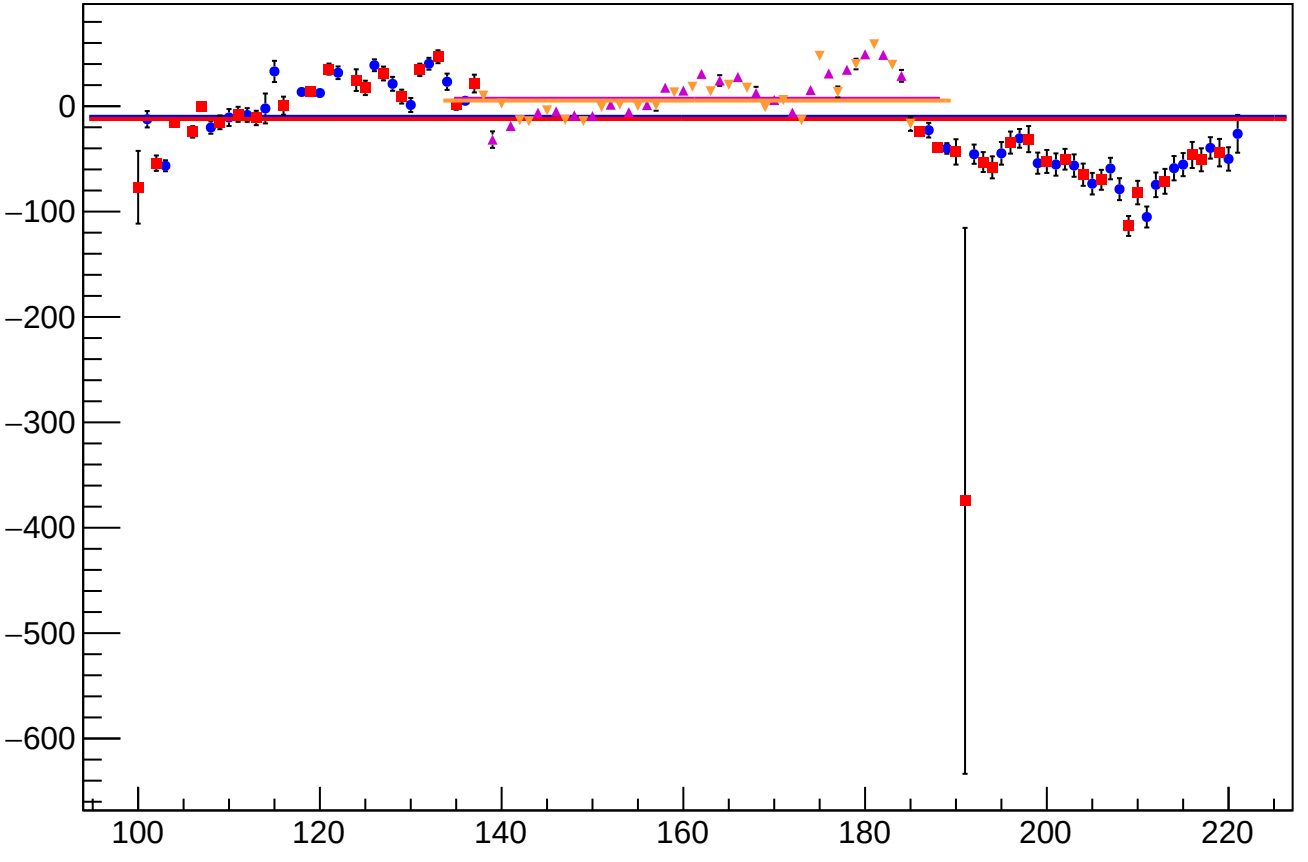
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 188.504+/-0.701 χ^2/NDF: 5232.8/58

All: 191.431+/-0.490 χ^2/NDF: 12132.4/118

- sign 194.229+/-0.686 χ^2/NDF: 6865.6/59

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -10.065+/-1.209 χ^2/NDF: 844.1/33

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -12.163+/-1.104 χ^2/NDF: 877.9/36

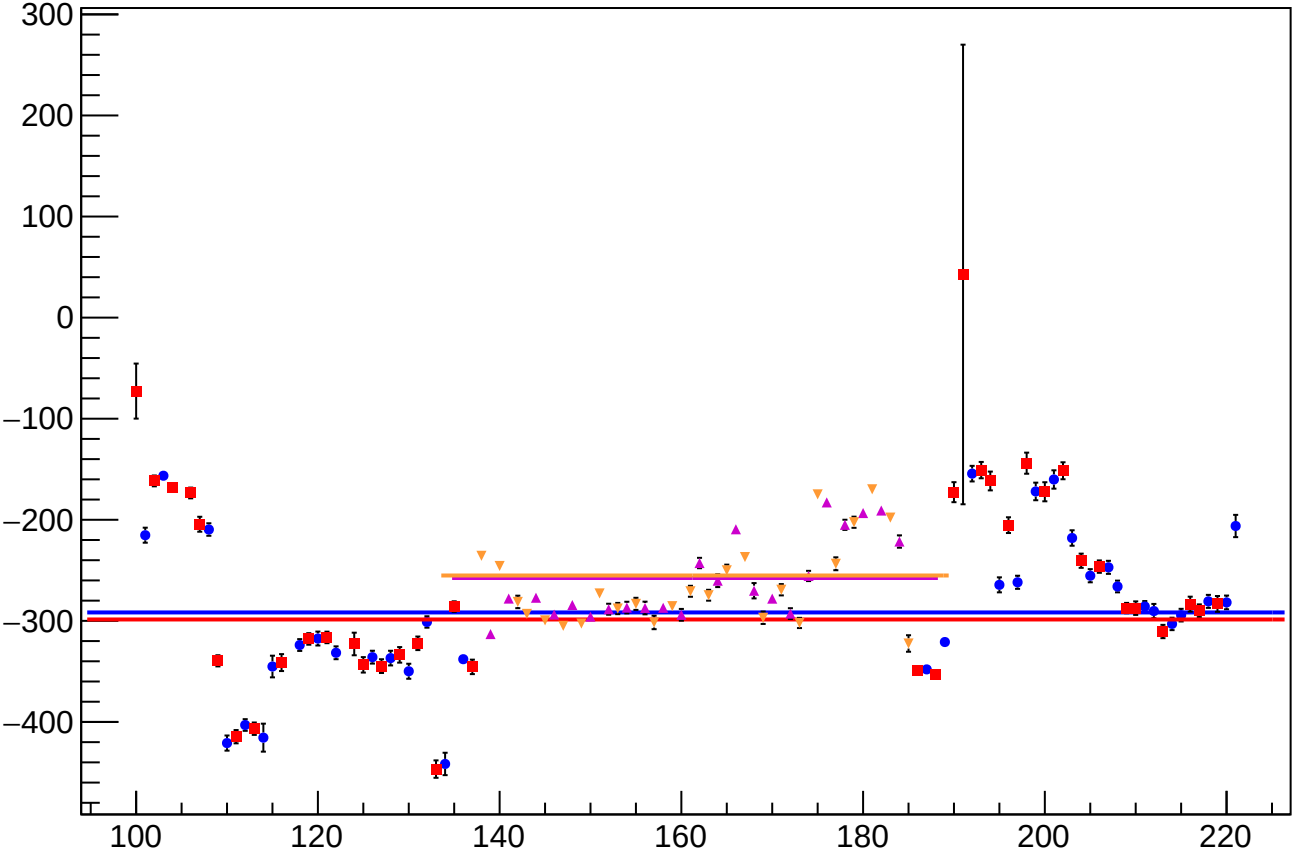
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 1.404+/-0.613 χ^2/NDF: 1775.0/58

All: 1.247+/-0.434 χ^2/NDF: 3571.6/118

- sign 1.088+/-0.616 χ^2/NDF: 1796.5/59

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -291.670+/-1.043 χ^2/NDF: 4172.9/33

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -298.629+/-0.928 χ^2/NDF: 6725.0/36

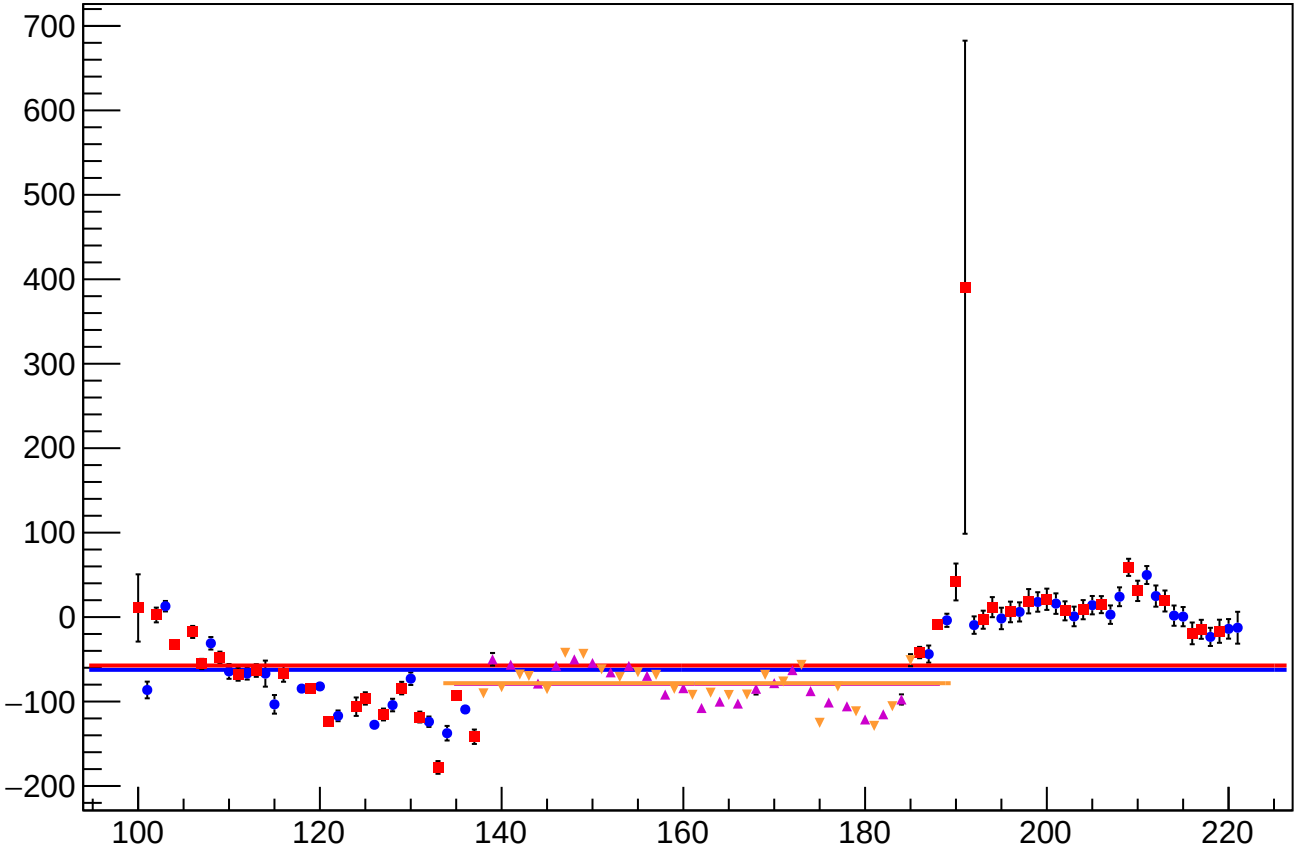
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

\+ sign -271.809+/-0.705 χ^2/NDF: 7184.6/58

All: -275.734+/-0.488 χ^2/NDF: 16696.7/118

\- sign -279.337+/-0.675 χ^2/NDF: 9452.6/59

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -62.459+/-1.400 χ^2/NDF: 1420.5/33

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.327+/-1.319 χ^2/NDF: 1561.4/36

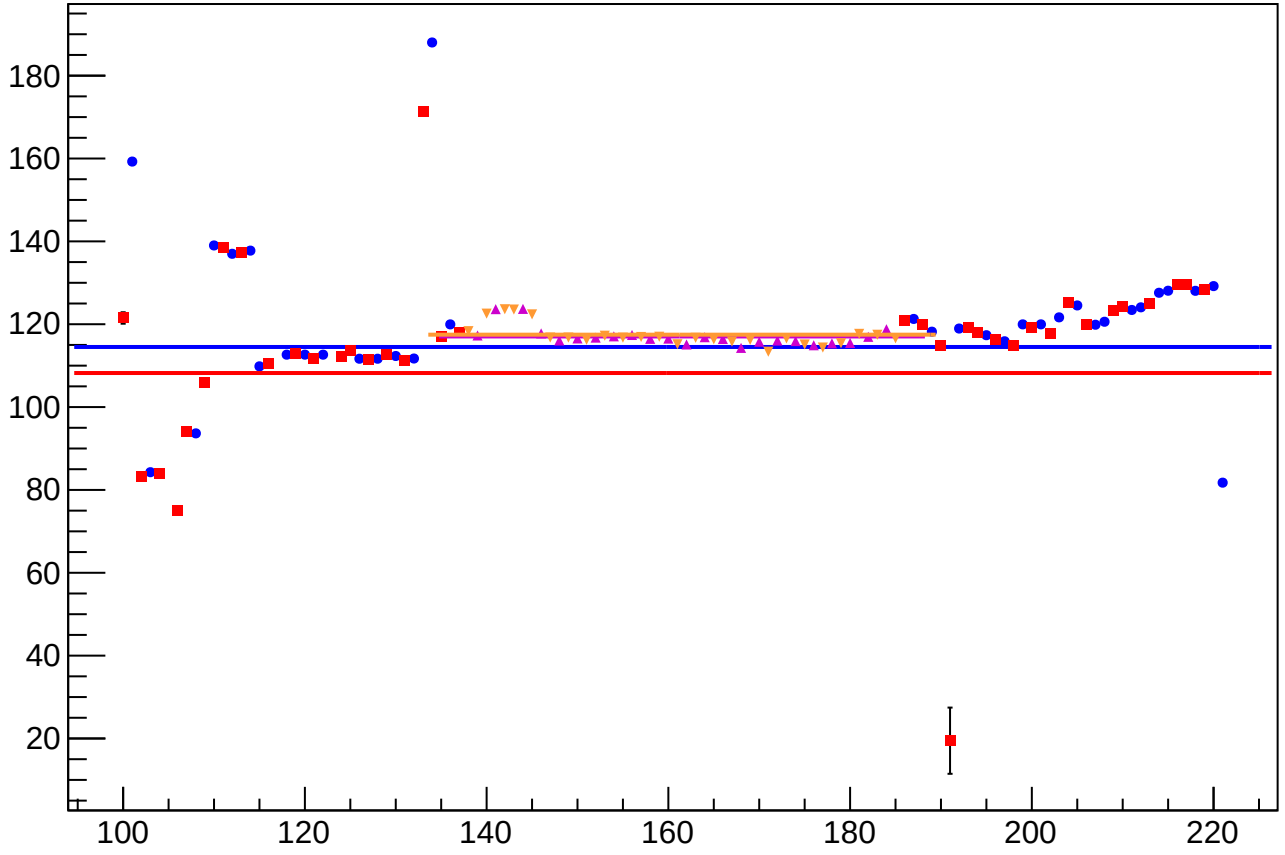
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -74.259+/-0.707 χ^2/NDF: 2384.0/58

All: -73.485+/-0.502 χ^2/NDF: 4842.6/118

- sign -72.697+/-0.714 χ^2/NDF: 2456.2/59

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.508+/-0.067 χ^2/NDF: 90796.9/33

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 108.221+/-0.064 χ^2/NDF: 84438.0/36

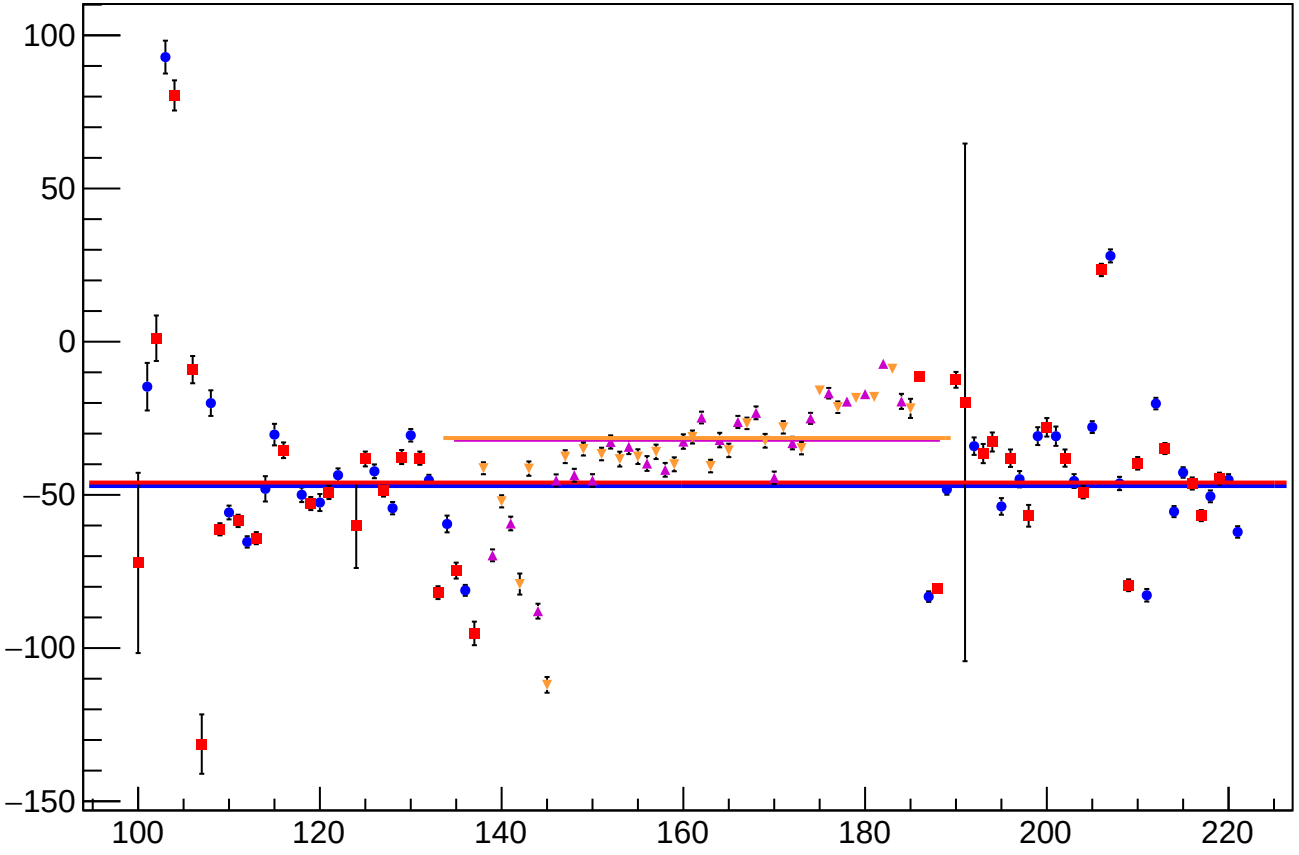
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.753+/-0.033 χ^2/NDF: 97023.9/58

All: 115.712+/-0.023 χ^2/NDF: 200828.9/118

- sign 114.674+/-0.033 χ^2/NDF: 101824.3/59

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -47.114+/-0.381 χ^2/NDF: 3814.3/33

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -45.970+/-0.365 χ^2/NDF: 5779.5/36

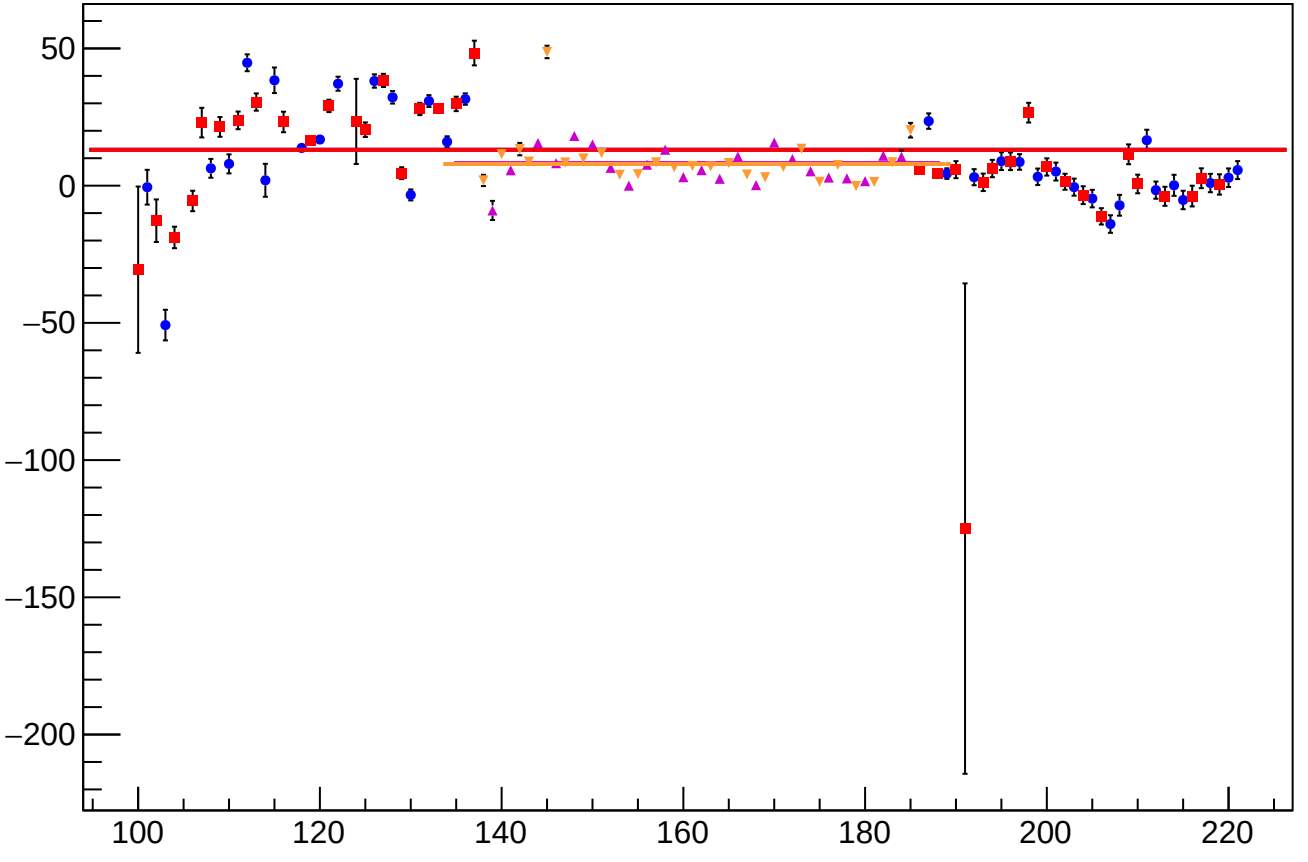
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -39.634+/-0.276 χ^2/NDF: 6612.0/58

All: -39.715+/-0.194 χ^2/NDF: 14953.6/118

- sign -39.794+/-0.272 χ^2/NDF: 8341.5/59

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.099+/-0.468 χ^2/NDF: 1074.3/33

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.045+/-0.444 χ^2/NDF: 896.3/36

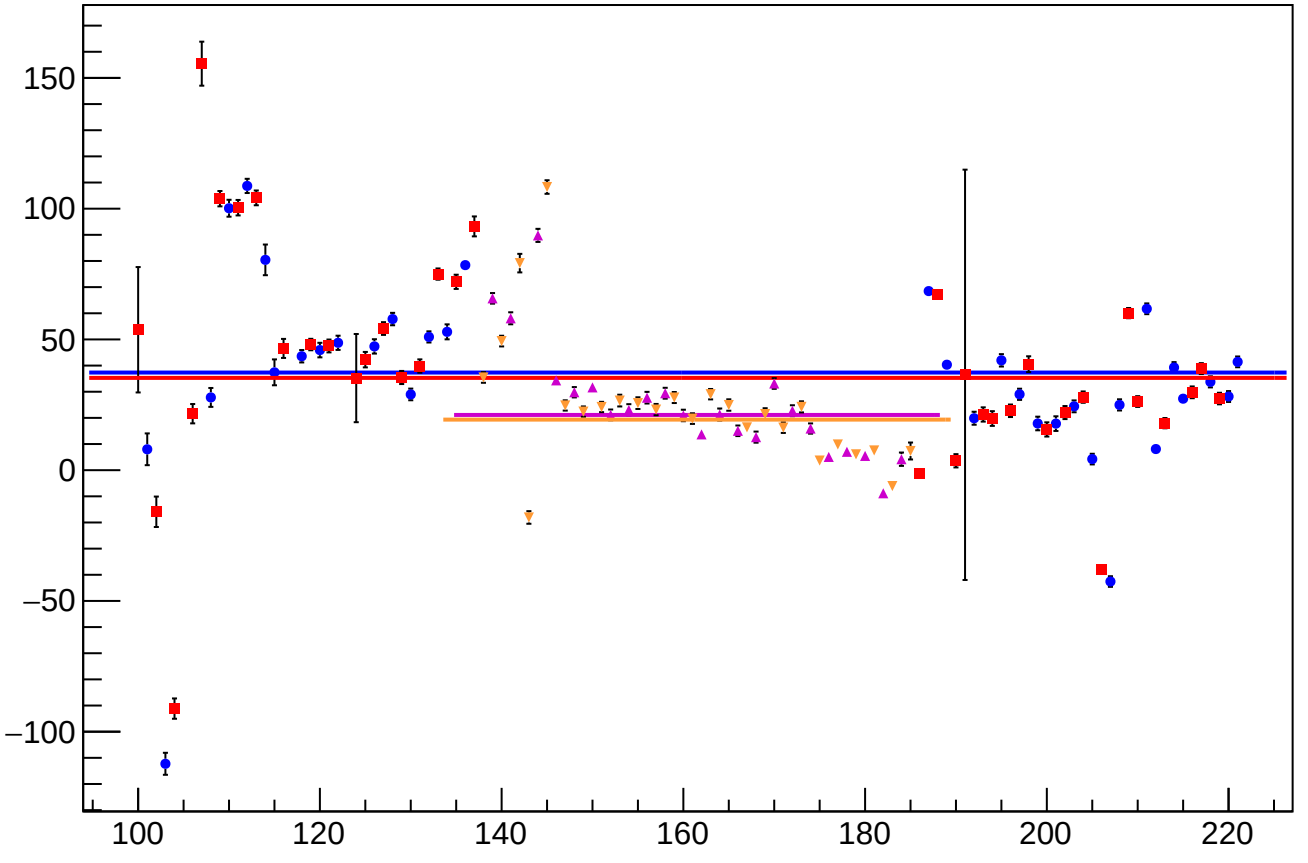
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.441+/-0.255 χ^2/NDF: 1651.8/58

All: 9.639+/-0.181 χ^2/NDF: 2966.5/118

- sign 9.841+/-0.257 χ^2/NDF: 1313.5/59

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.335+/-0.393 χ^2/NDF: 6113.6/33

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.296+/-0.357 χ^2/NDF: 9388.5/36

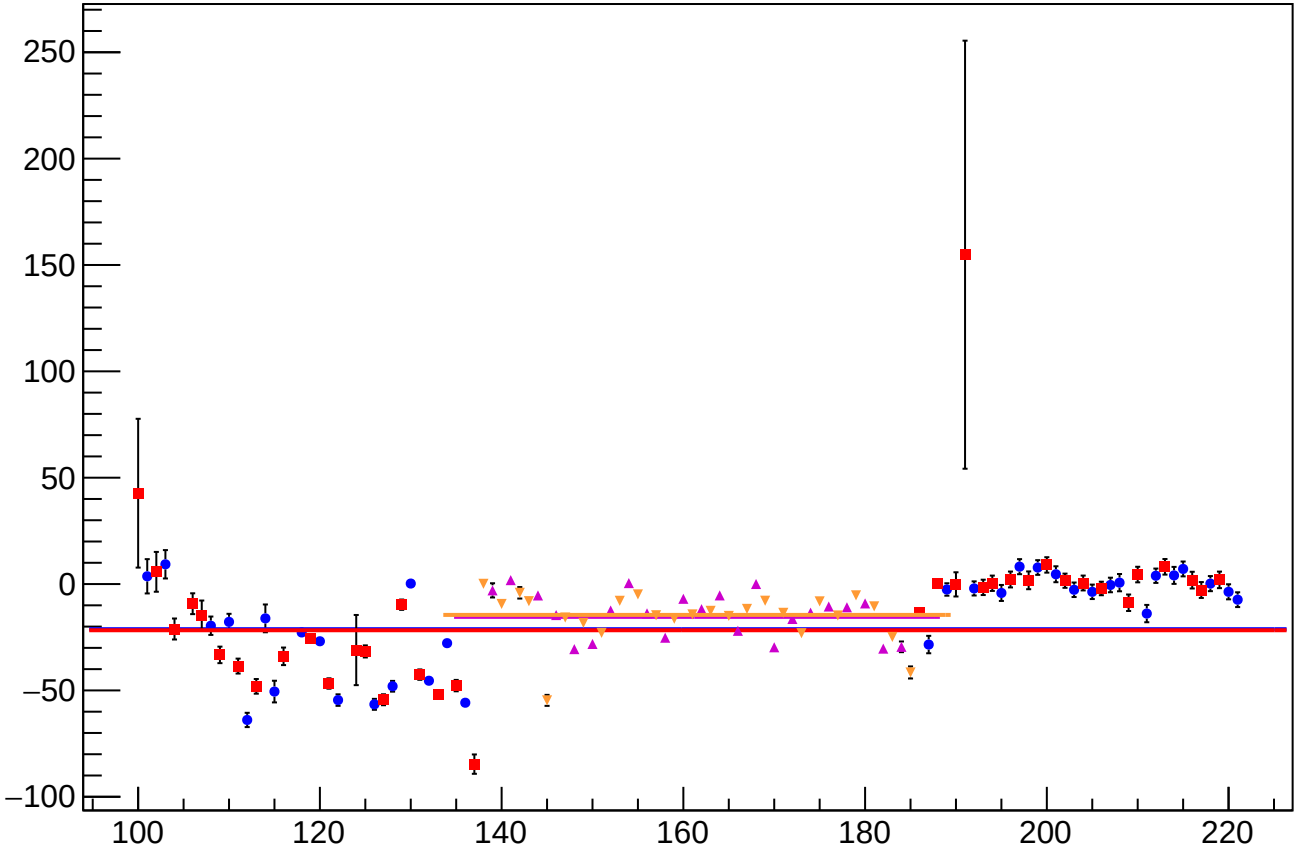
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 28.389+/-0.279 χ^2/NDF: 9836.7/58

All: 28.752+/-0.193 χ^2/NDF: 22422.0/118

- sign 29.087+/-0.268 χ^2/NDF: 12582.0/59

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.217+/-0.537 χ^2/NDF: 1815.0/33

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -21.715+/-0.530 χ^2/NDF: 1761.5/36

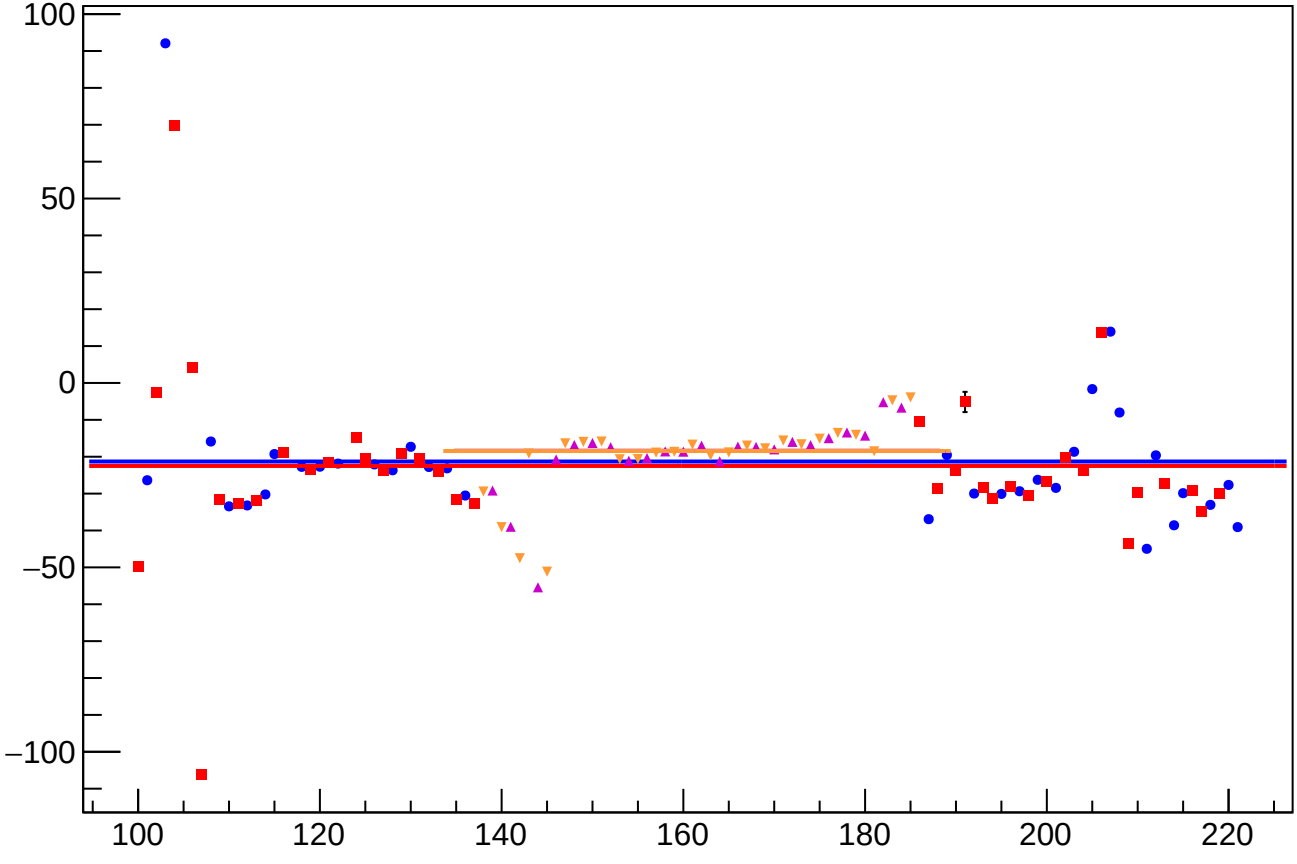
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -16.455+/-0.290 χ^2/NDF: 2566.8/58

All: -16.903+/-0.207 χ^2/NDF: 5229.2/118

- sign -17.368+/-0.295 χ^2/NDF: 2657.5/59

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.298+/-0.026 χ^2/NDF: 594050.3/33

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.502+/-0.026 χ^2/NDF: 489082.2/36

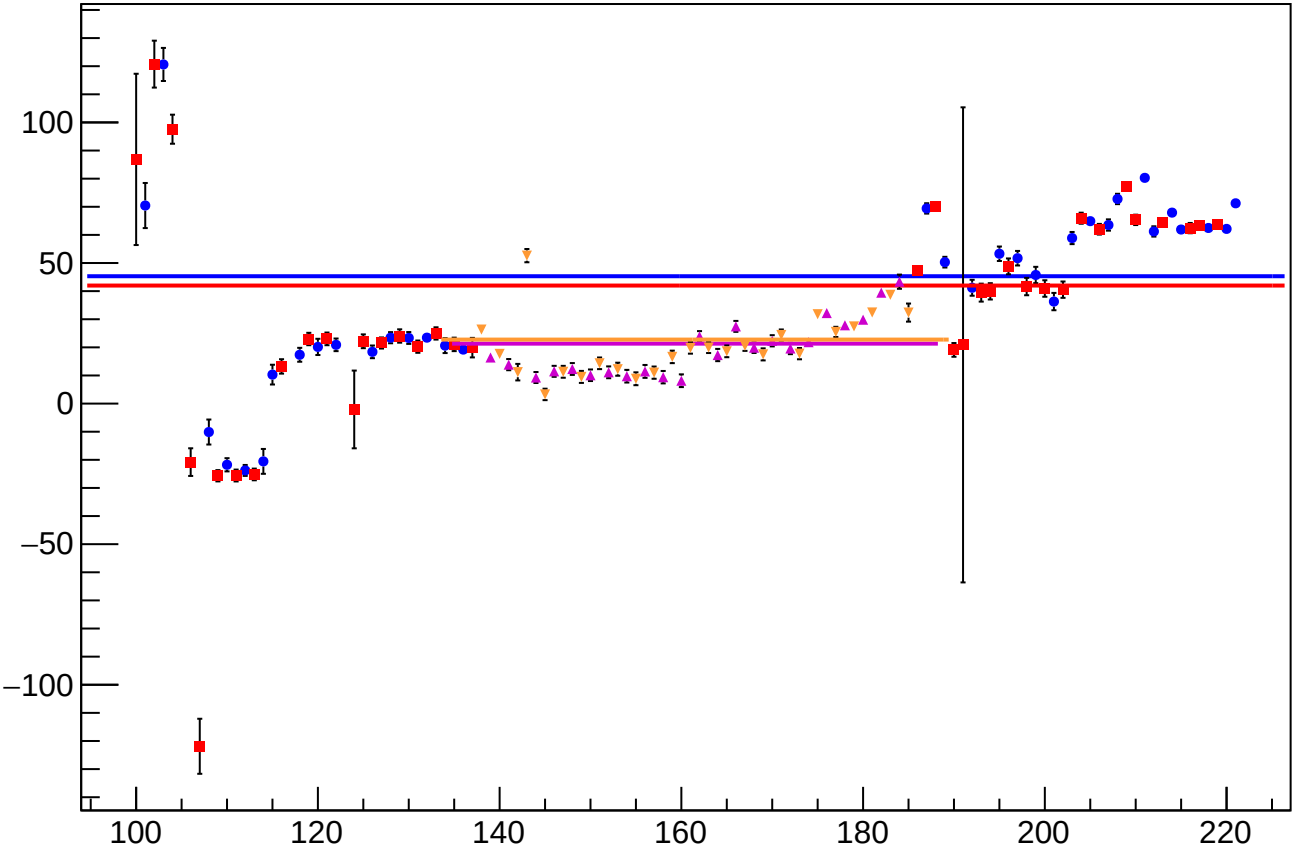
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.179+/-0.013 χ^2/NDF: 898078.3/58

All: -19.316+/-0.010 χ^2/NDF: 1655357.1/118

- sign -19.458+/-0.014 χ^2/NDF: 757064.4/59

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 45.301+/-0.367 χ^2/NDF: 5836.7/33

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 41.983+/-0.363 χ^2/NDF: 6973.9/36

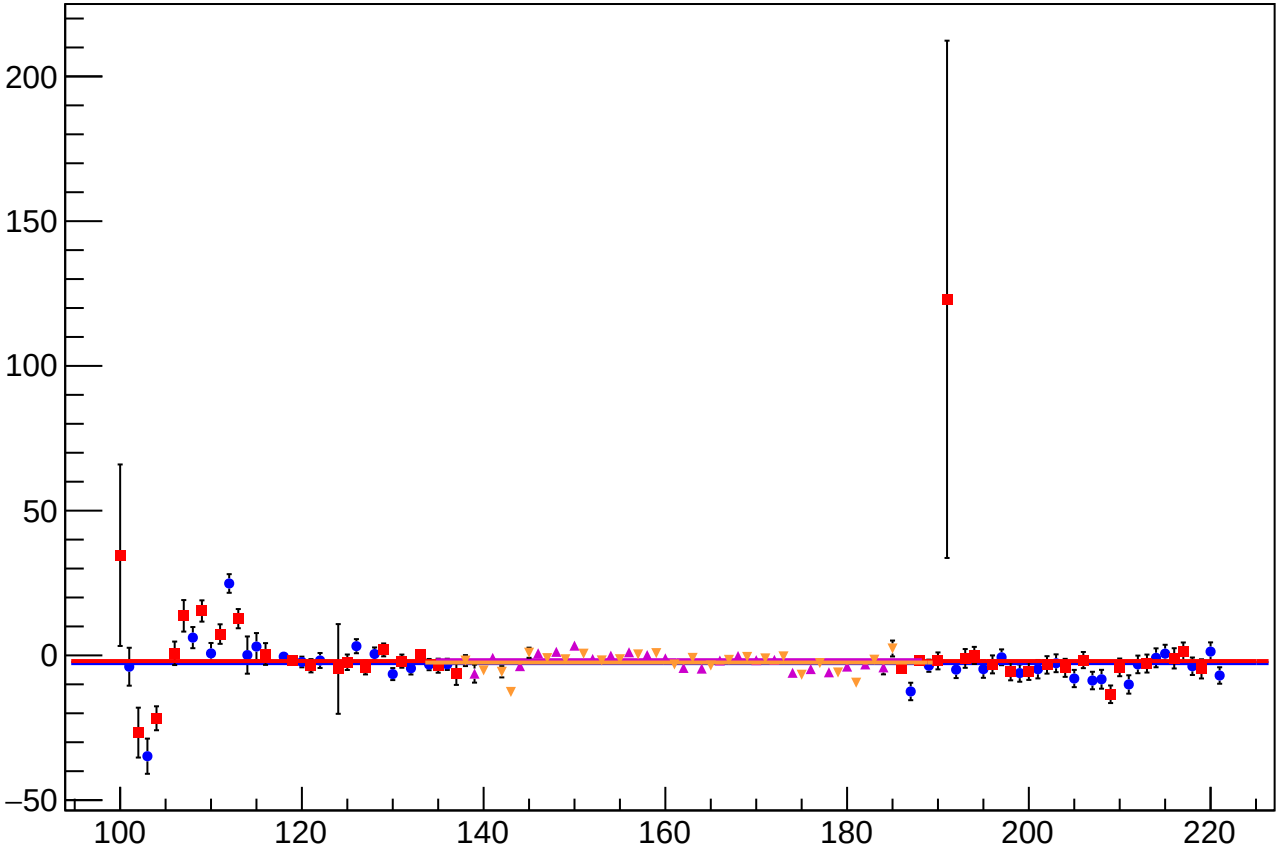
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 34.512+/-0.265 χ^2/NDF: 8367.5/58

All: 33.492+/-0.188 χ^2/NDF: 17491.9/118

- sign 32.458+/-0.267 χ^2/NDF: 9094.6/59

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.676+/-0.462 χ^2/NDF: 158.7/33

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.959+/-0.452 χ^2/NDF: 123.5/36

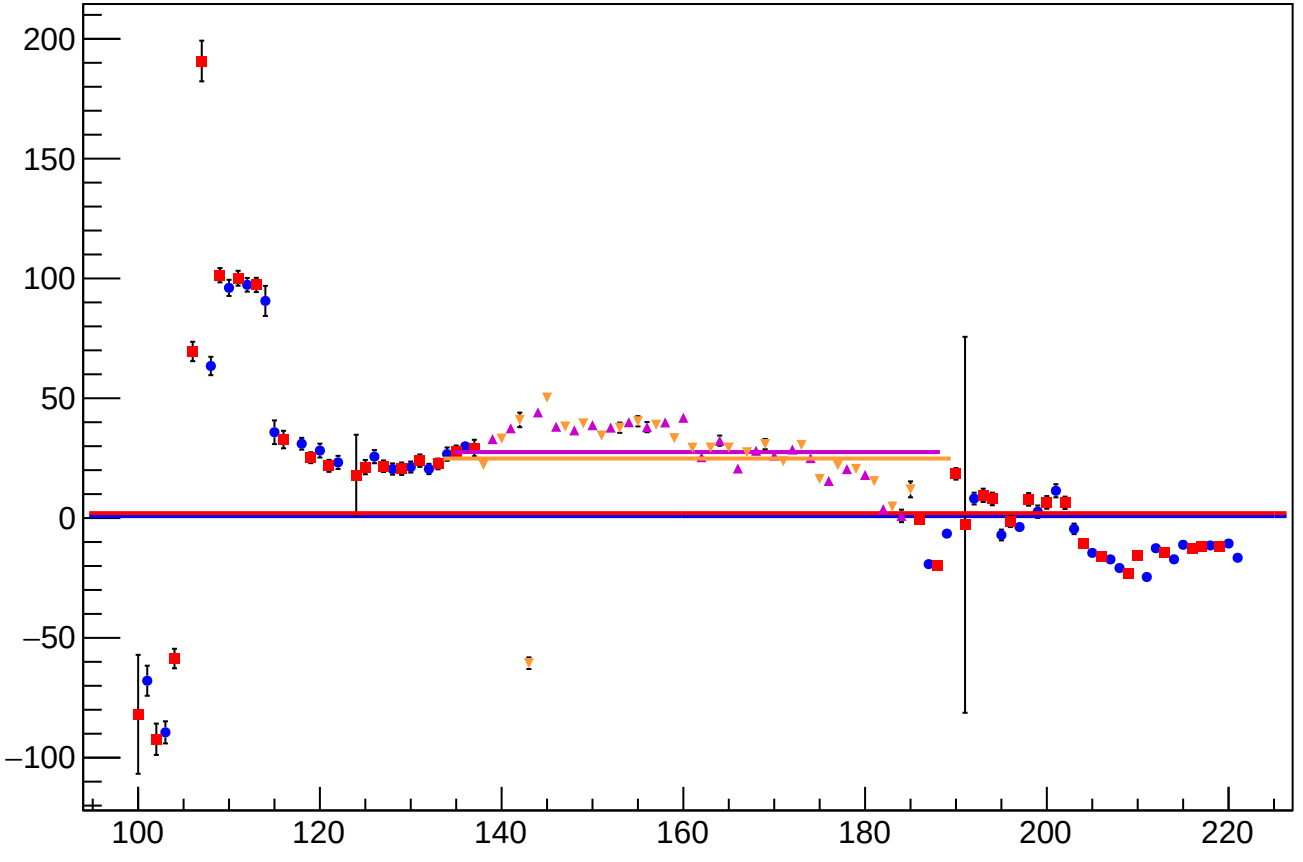
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.528+/-0.248 χ^2/NDF: 275.6/58

All: -2.148+/-0.177 χ^2/NDF: 474.3/118

- sign -1.753+/-0.252 χ^2/NDF: 194.0/59

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 0.817+/-0.380 χ^2/NDF: 5116.4/33

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 2.050+/-0.363 χ^2/NDF: 6475.5/36

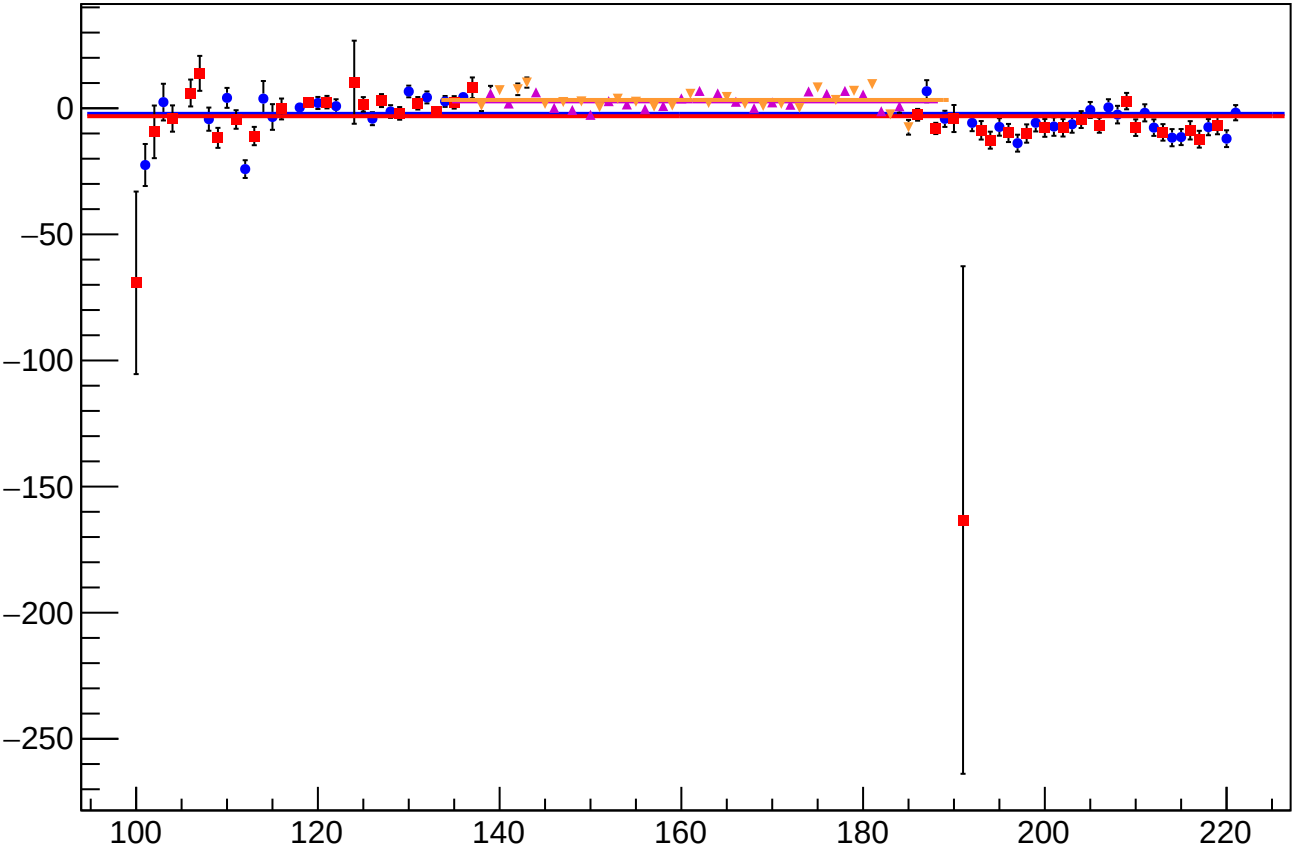
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 12.846+/-0.269 χ^2/NDF: 9165.5/58

All: 13.386+/-0.189 χ^2/NDF: 18830.5/118

- sign 13.913+/-0.265 χ^2/NDF: 9657.1/59

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.218+/-0.526 χ^2/NDF: 150.5/33

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.153+/-0.532 χ^2/NDF: 112.7/36

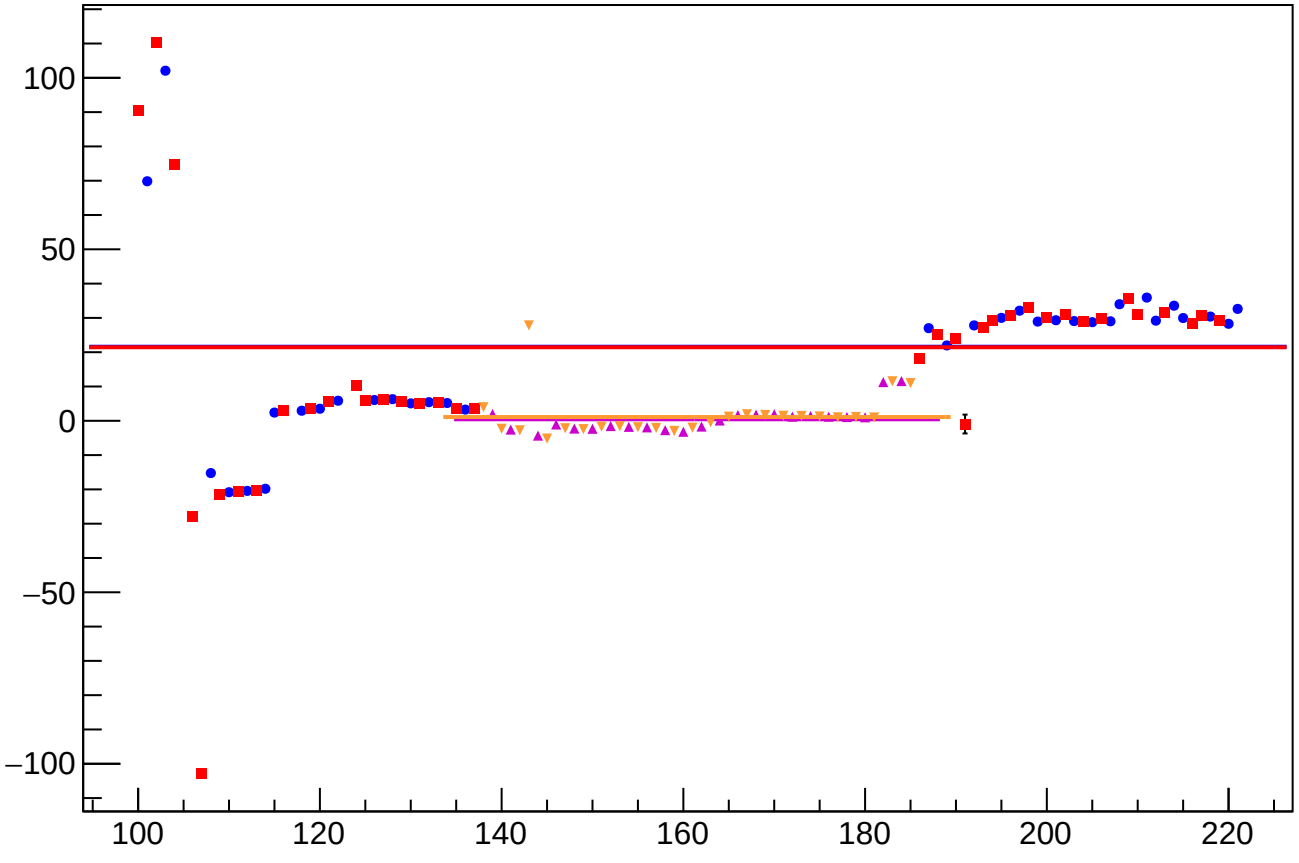
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 1.723+/-0.280 χ^2/NDF: 335.3/58

All: 1.376+/-0.201 χ^2/NDF: 612.0/118

- sign 1.010+/-0.288 χ^2/NDF: 273.6/59

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.593+/-0.025 χ^2/NDF: 512218.0/33

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.442+/-0.026 χ^2/NDF: 647769.3/36

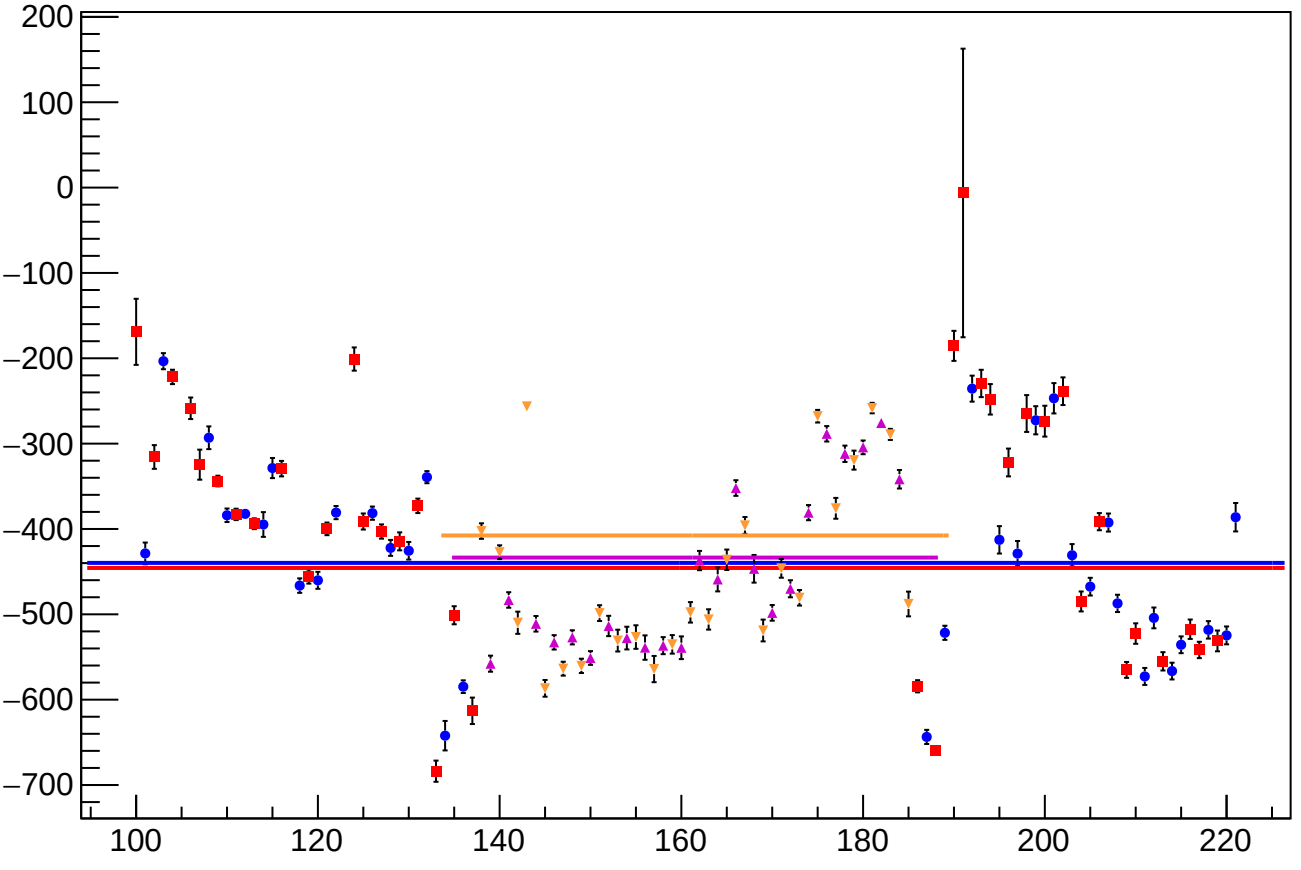
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 6.280+/-0.013 χ^2/NDF: 1123911.4/58

All: 6.020+/-0.009 χ^2/NDF: 2315768.0/118

- sign 5.752+/-0.013 χ^2/NDF: 1191021.8/59

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -439.739+/-1.709 χ^2/NDF: 3606.9/33

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -445.669+/-1.610 χ^2/NDF: 6922.5/36

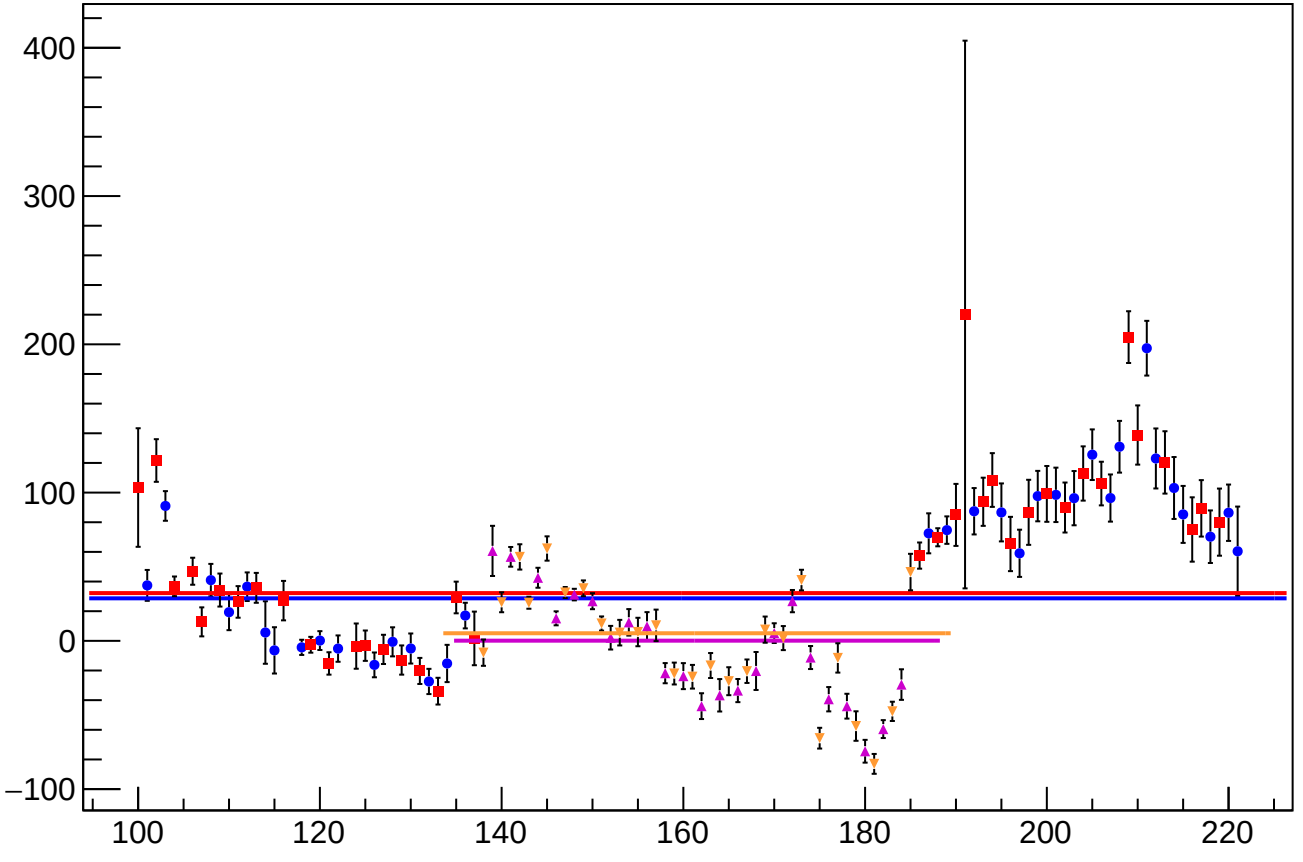
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -425.104+/-1.261 χ^2/NDF: 7773.5/58

All: -433.043+/-0.889 χ^2/NDF: 17521.7/118

- sign -440.875+/-1.252 χ^2/NDF: 9669.5/59

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 28.672+/-1.960 χ^2/NDF: 564.5/33

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 32.213+/-1.857 χ^2/NDF: 602.8/36

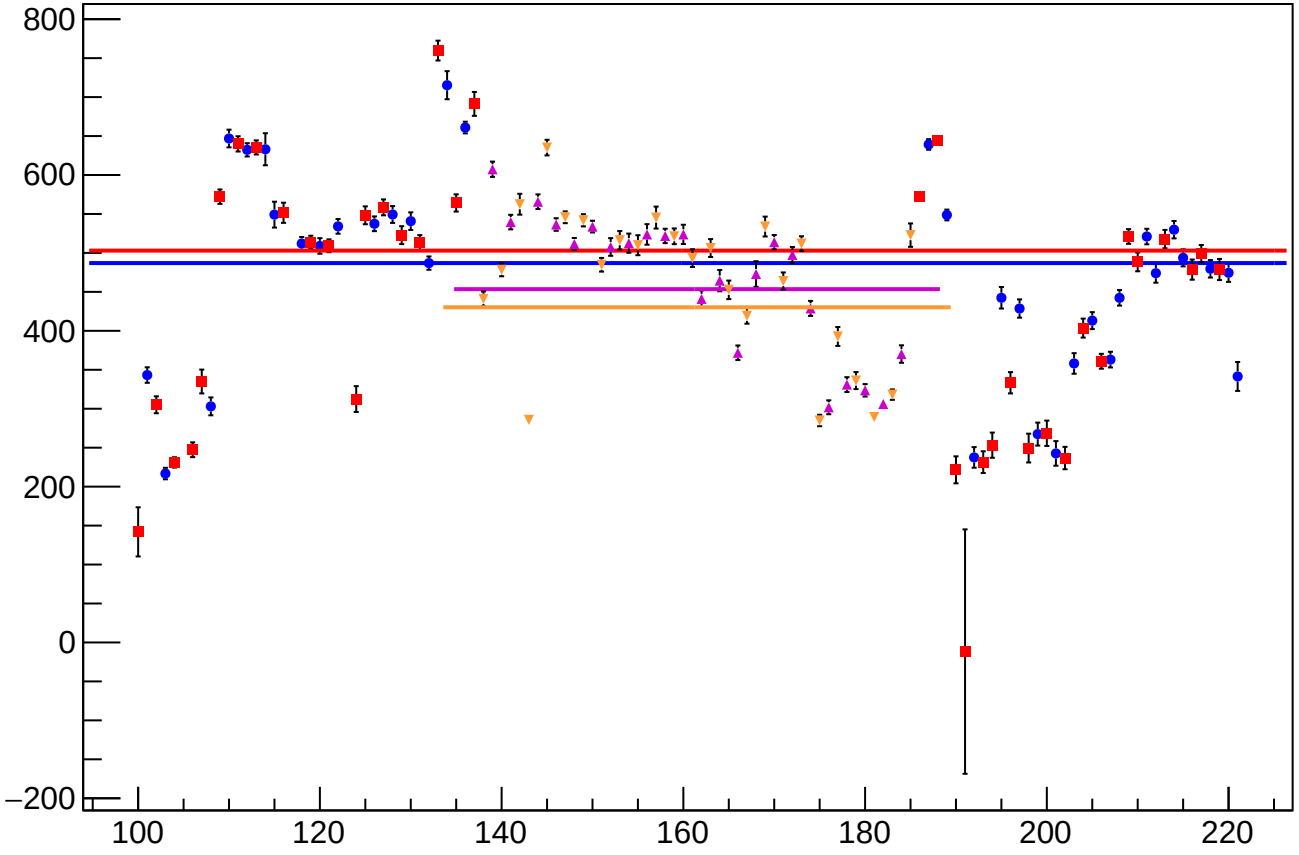
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 12.920+/-1.128 χ^2/NDF: 1350.2/58

All: 12.805+/-0.809 χ^2/NDF: 2703.3/118

- sign 12.683+/-1.162 χ^2/NDF: 1353.1/59

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 486.959+/-1.781 χ^2/NDF: 5005.5/33

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 502.965+/-1.629 χ^2/NDF: 8080.5/36

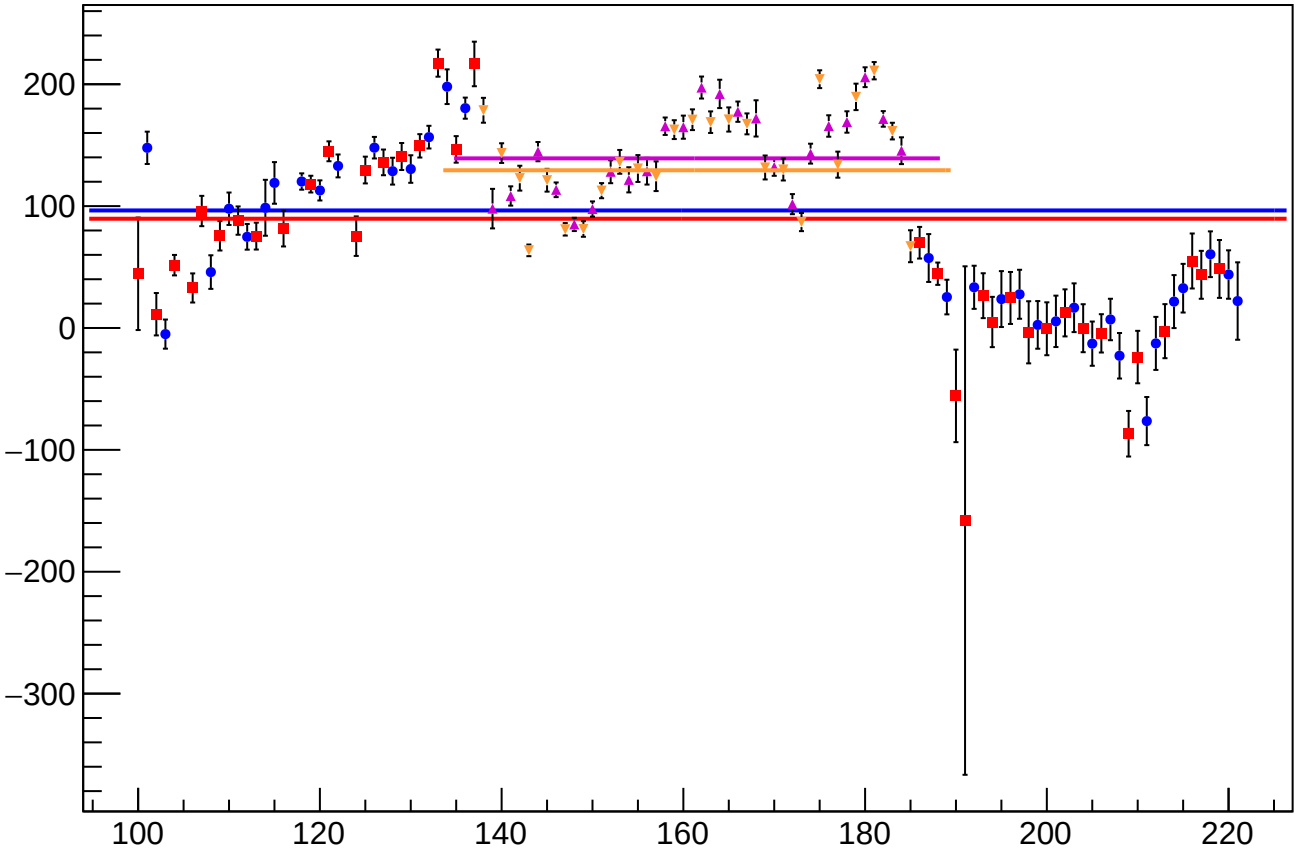
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.851+/-1.287 χ^2/NDF: 8895.5/58

All: 471.660+/-0.899 χ^2/NDF: 19933.9/118

- sign 482.921+/-1.256 χ^2/NDF: 10873.7/59

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 96.452+/-2.280 χ^2/NDF: 741.8/33

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 89.651+/-2.199 χ^2/NDF: 760.5/36

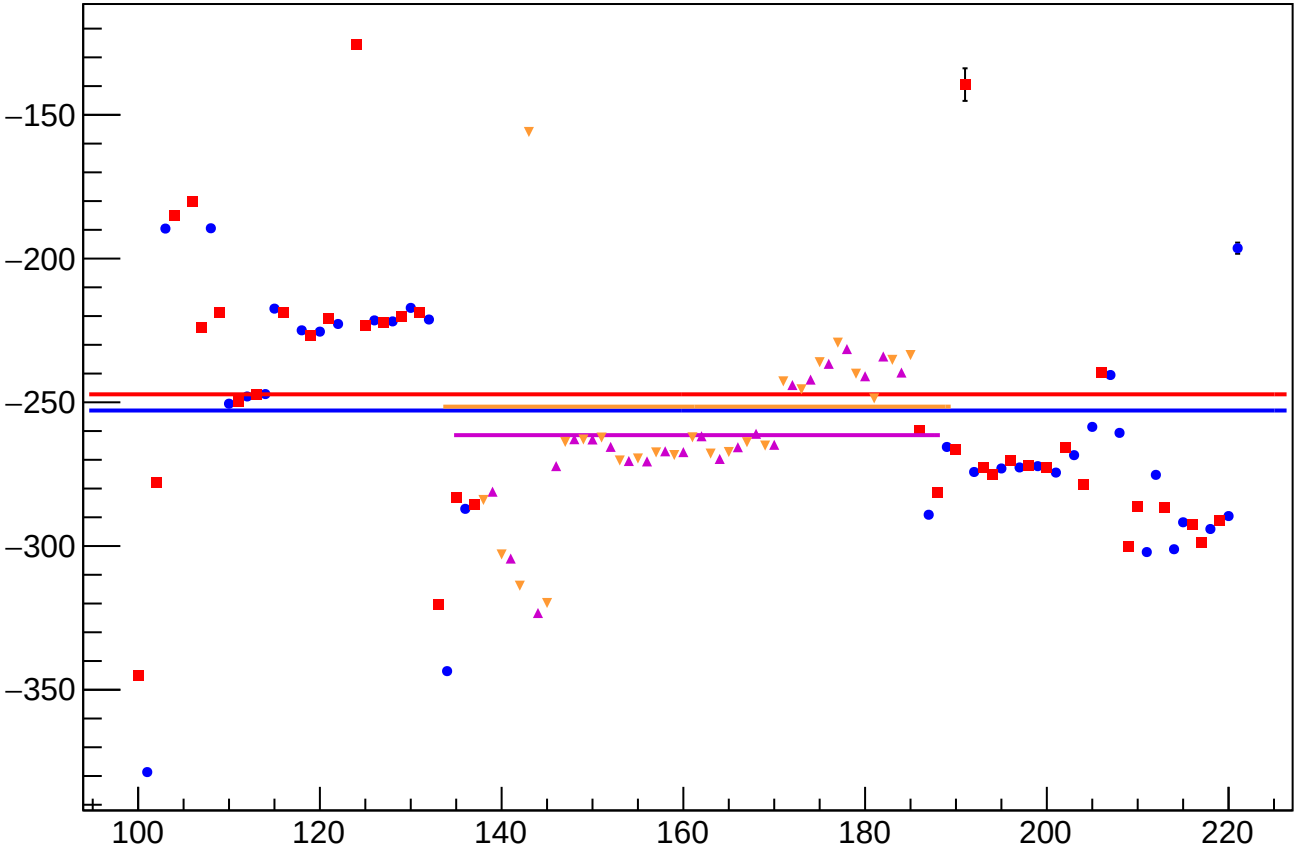
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 118.607+/-1.306 χ^2/NDF: 1696.6/58

All: 119.560+/-0.938 χ^2/NDF: 3209.0/118

- sign 120.575+/-1.347 χ^2/NDF: 1511.3/59

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -252.855+/-0.117 χ^2/NDF: 158679.3/33

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -247.222+/-0.114 χ^2/NDF: 123901.4/36

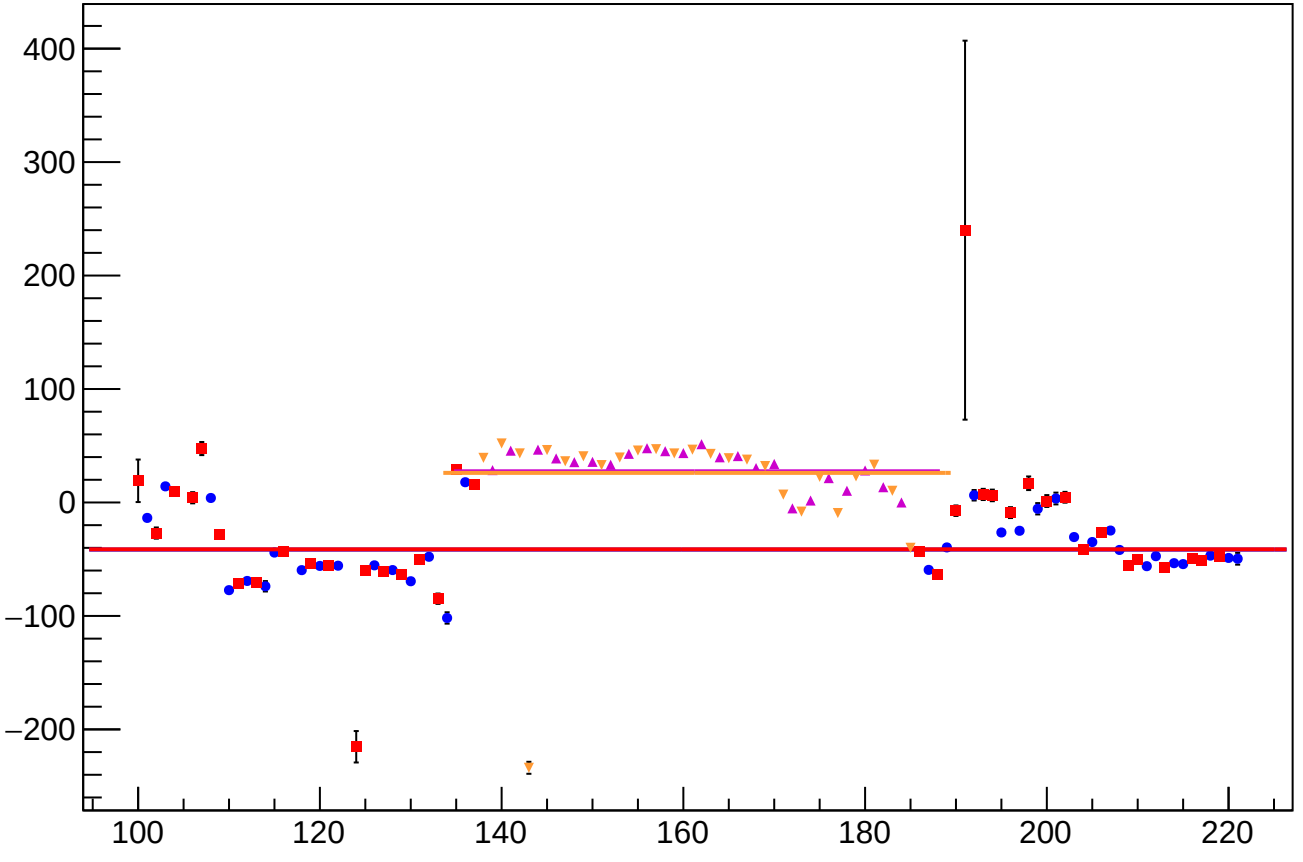
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.899+/-0.063 χ^2/NDF: 413698.4/58

All: -254.337+/-0.045 χ^2/NDF: 620867.9/118

- sign -256.886+/-0.064 χ^2/NDF: 204089.8/59

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.523+/-0.520 χ^2/NDF: 2855.1/33

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.298+/-0.486 χ^2/NDF: 3377.7/36

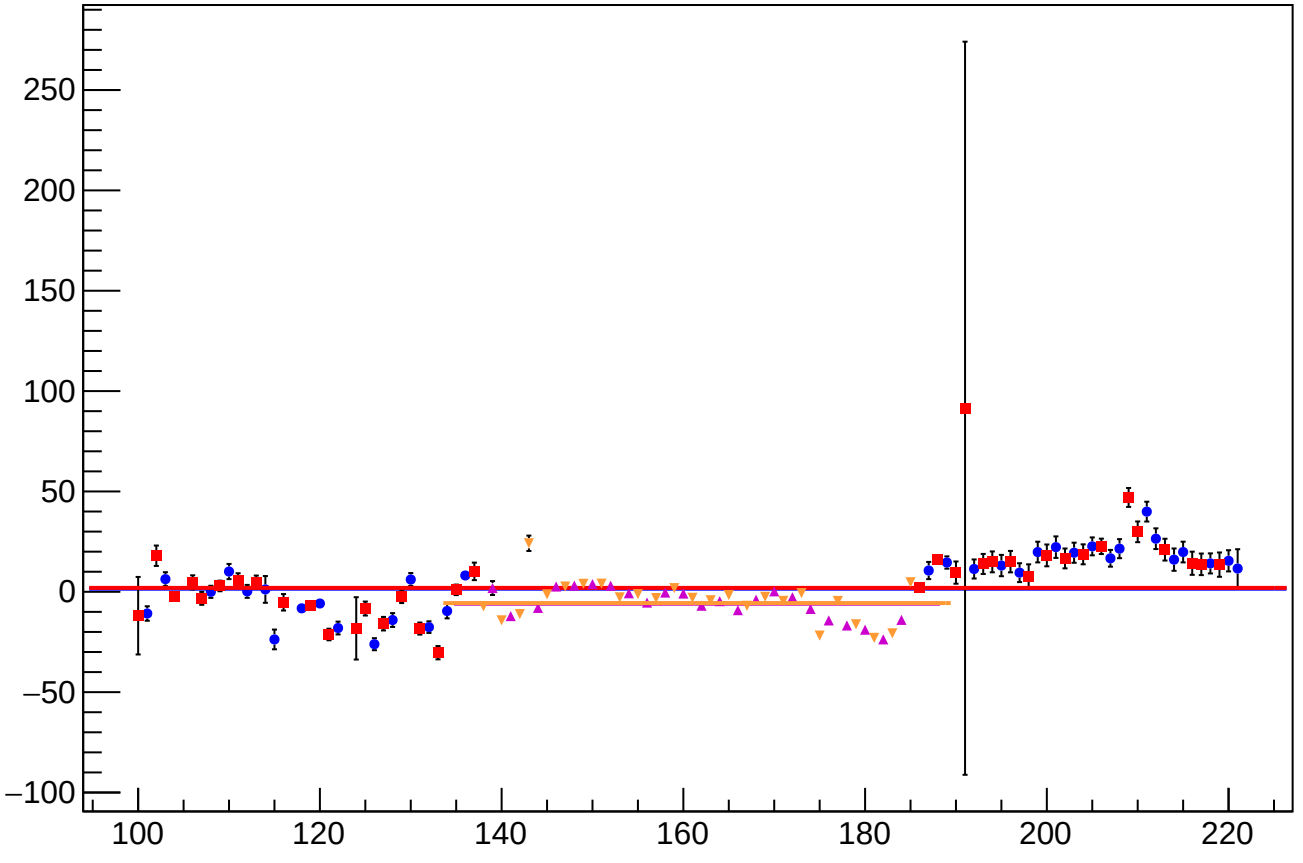
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 1.751+/-0.312 χ^2/NDF: 18475.1/58

All: 0.898+/-0.219 χ^2/NDF: 35501.8/118

- sign 0.071+/-0.307 χ^2/NDF: 17012.0/59

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.553+/-0.626 χ^2/NDF: 534.5/33

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.950+/-0.592 χ^2/NDF: 560.5/36

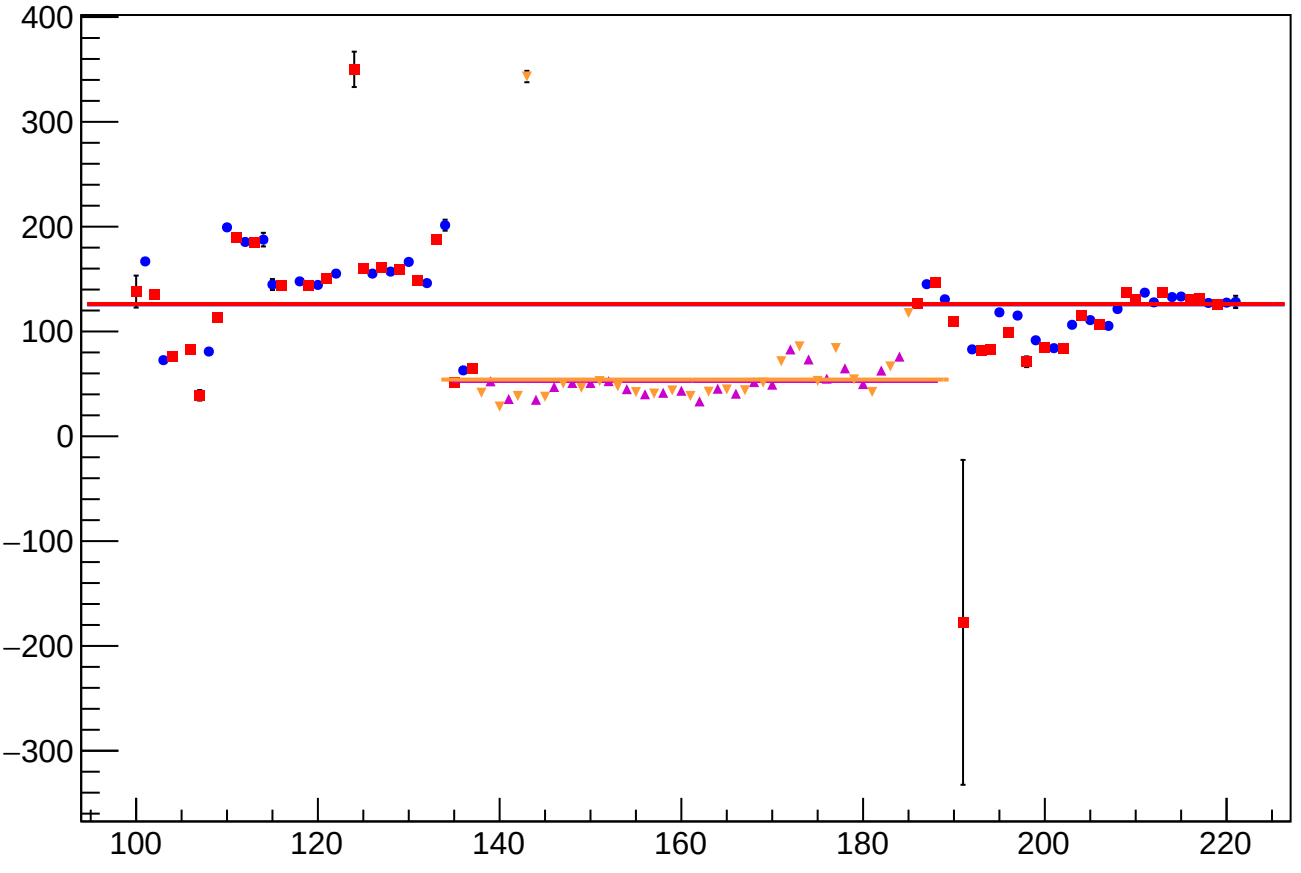
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -4.272+/-0.272 χ^2/NDF: 1534.4/58

All: -4.262+/-0.193 χ^2/NDF: 2946.5/118

- sign -4.252+/-0.274 χ^2/NDF: 1412.1/59

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.867+/-0.539 χ^2/NDF: 4149.0/33

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.234+/-0.495 χ^2/NDF: 4460.0/36

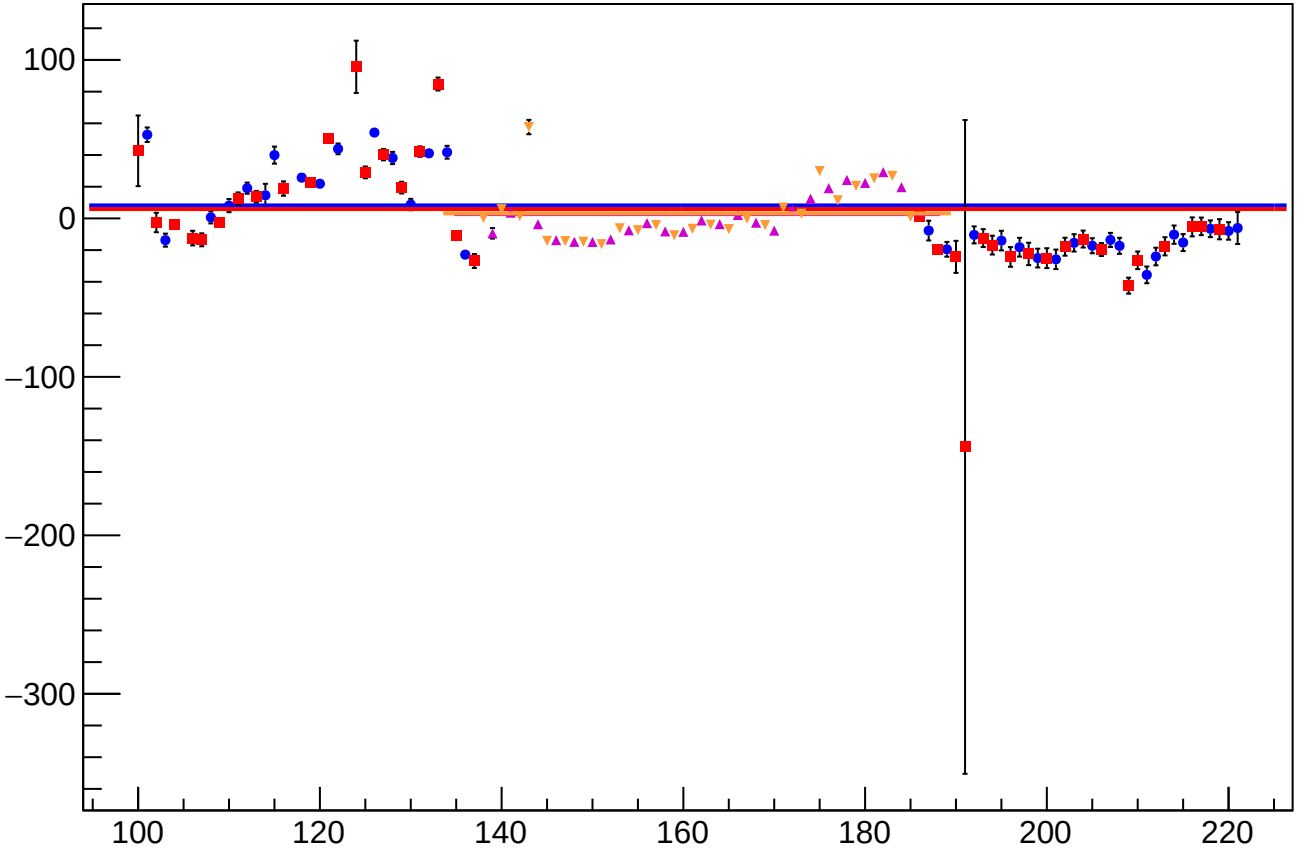
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

\+ sign 78.549+/-0.315 χ^2/NDF: 20424.9/58

All: 79.885+/-0.220 χ^2/NDF: 39413.1/118

\- sign 81.163+/-0.308 χ^2/NDF: 18952.9/59

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 8.191+/-0.717 χ^2/NDF: 1411.5/33

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 5.901+/-0.696 χ^2/NDF: 1479.7/36

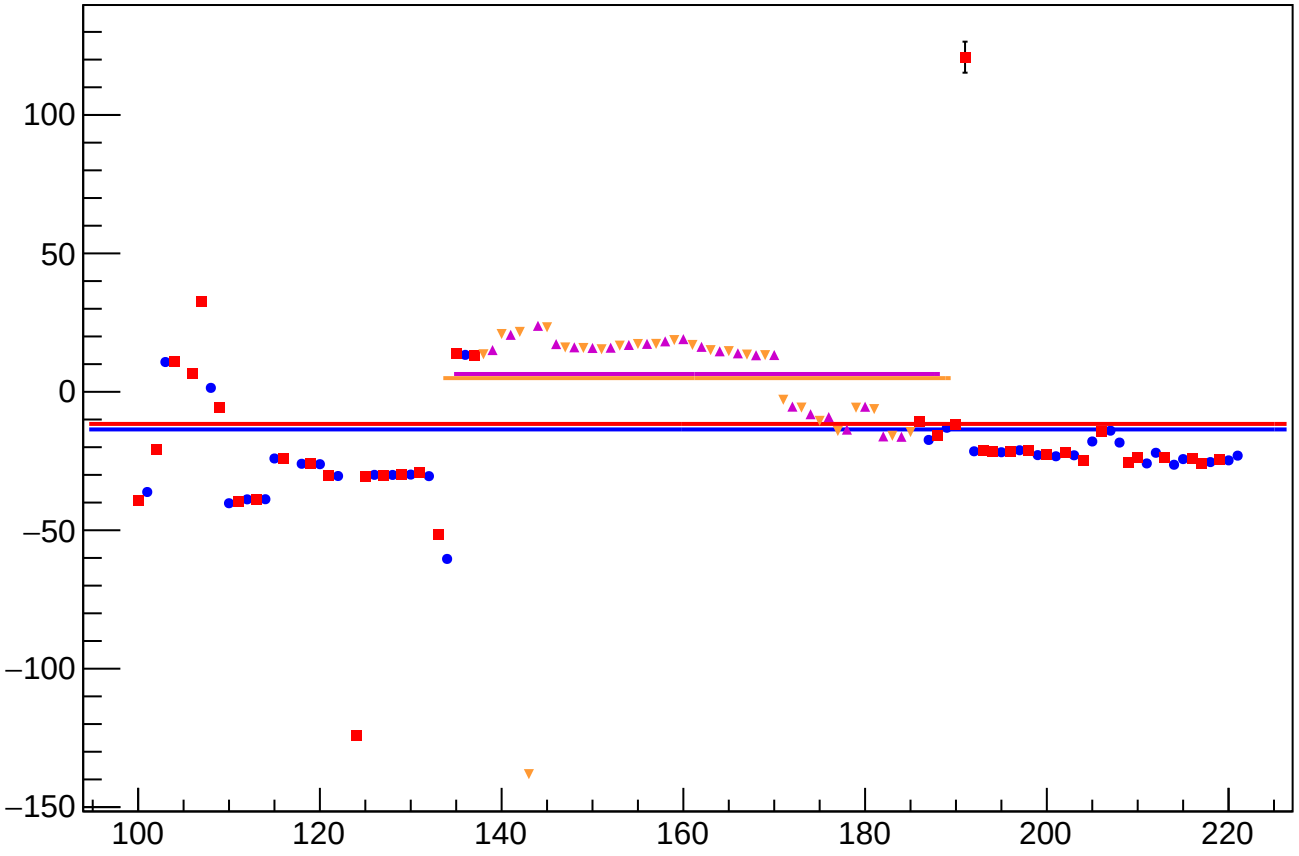
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.079+/-0.307 χ^2/NDF: 3464.2/58

All: 3.720+/-0.218 χ^2/NDF: 6698.5/118

- sign 3.353+/-0.310 χ^2/NDF: 3231.5/59

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.585+/-0.034 χ^2/NDF: 306776.4/33

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.593+/-0.034 χ^2/NDF: 287041.7/36

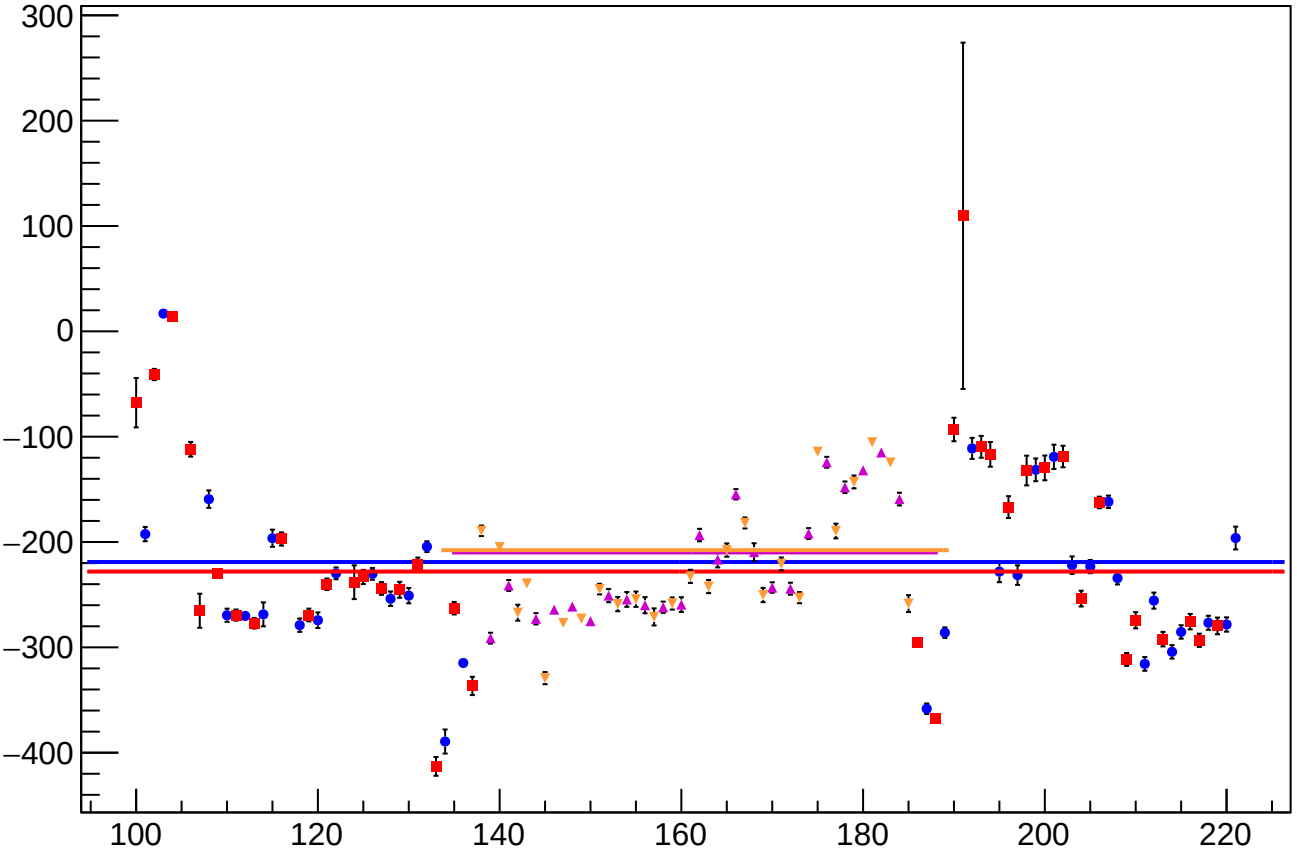
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 1.913+/-0.014 χ^2/NDF: 1685918.4/58

All: 2.684+/-0.010 χ^2/NDF: 2937248.4/118

- sign 3.465+/-0.014 χ^2/NDF: 1245157.9/59

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -218.994+/-1.077 χ^2/NDF: 9610.0/33

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -228.050+/-1.017 χ^2/NDF: 12867.4/36

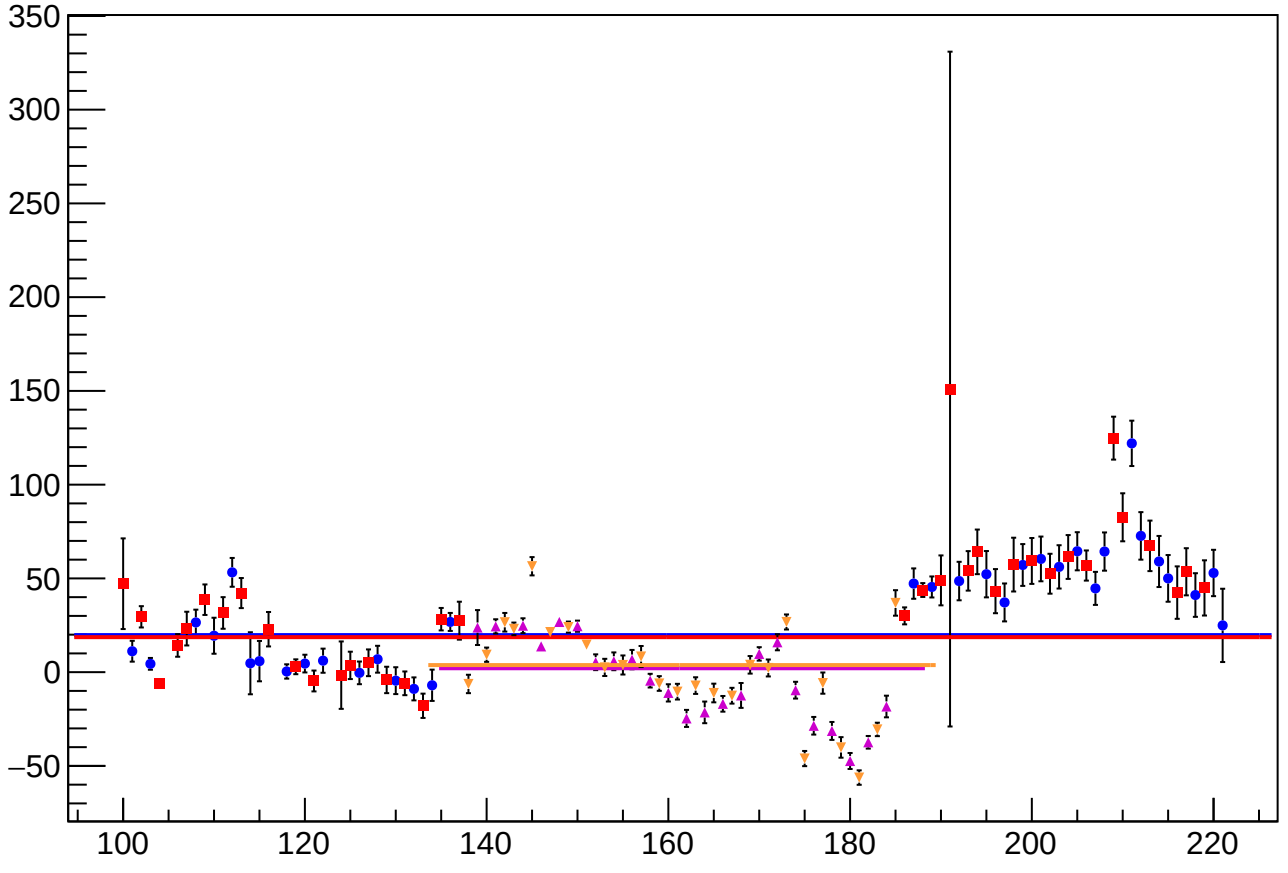
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -213.332+/-0.759 χ^2/NDF: 13152.1/58

All: -216.558+/-0.532 χ^2/NDF: 29213.9/118

- sign -219.684+/-0.747 χ^2/NDF: 16026.3/59

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.766+/-1.238 χ^2/NDF: 392.7/33

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.668+/-1.137 χ^2/NDF: 522.1/36

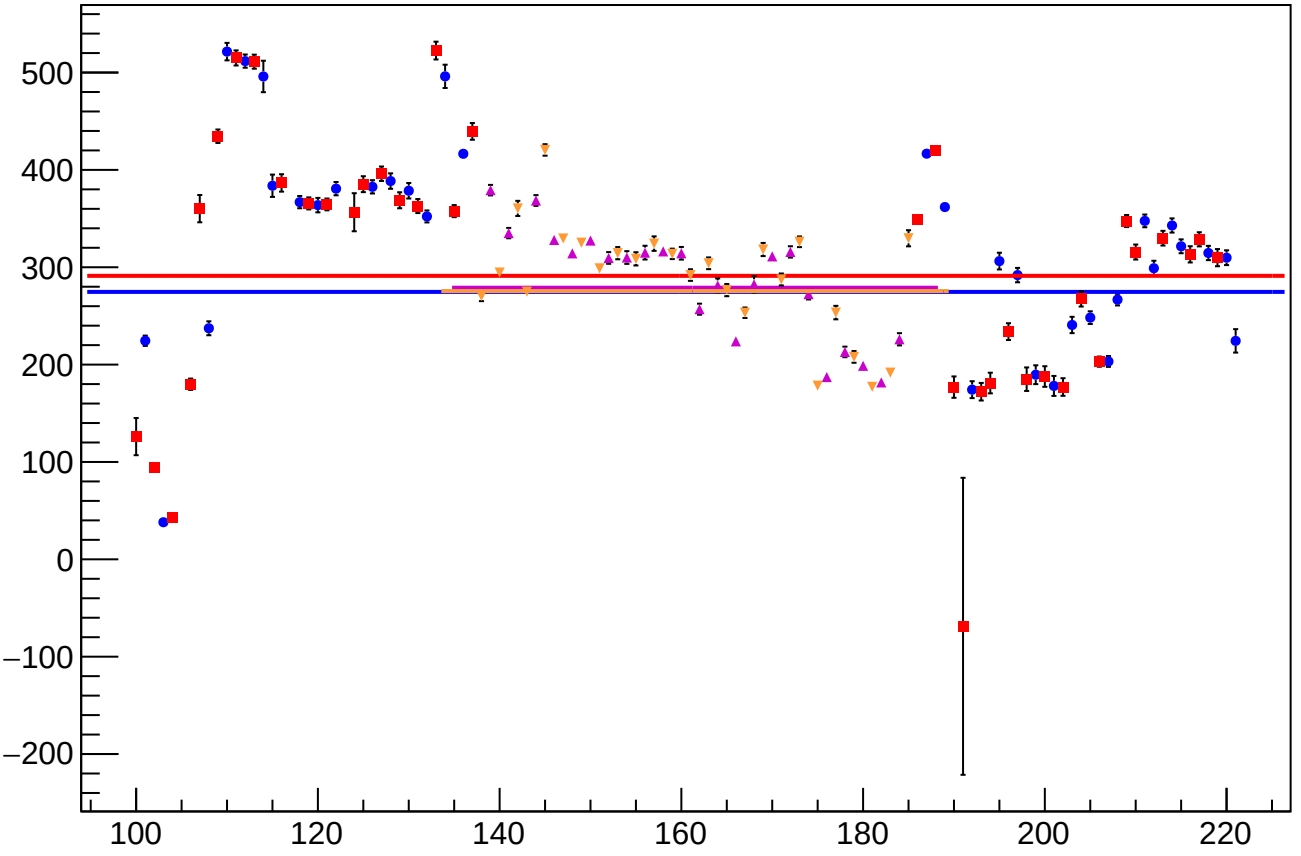
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 8.377+/-0.664 χ^2/NDF: 1483.7/58

All: 8.067+/-0.470 χ^2/NDF: 2916.6/118

- sign 7.757+/-0.665 χ^2/NDF: 1432.4/59

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 274.693+/-1.056 χ^2/NDF: 18118.0/33

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 291.193+/-0.968 χ^2/NDF: 22330.8/36

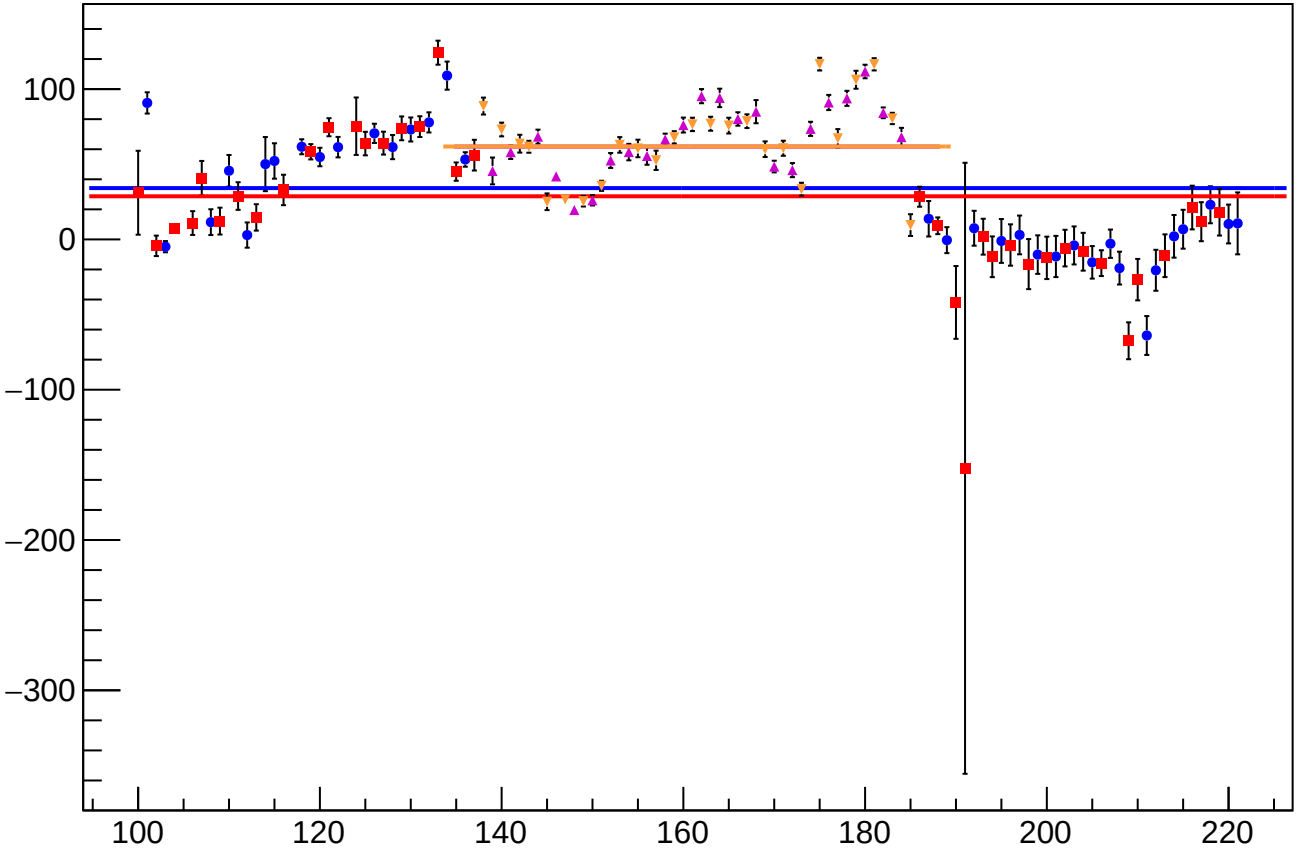
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.112+/-0.749 χ^2/NDF: 21441.5/58

All: 280.644+/-0.520 χ^2/NDF: 47062.7/118

- sign 285.807+/-0.723 χ^2/NDF: 25515.6/59

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 34.141+/-1.441 χ^2/NDF: 662.9/33

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.693+/-1.369 χ^2/NDF: 647.2/36

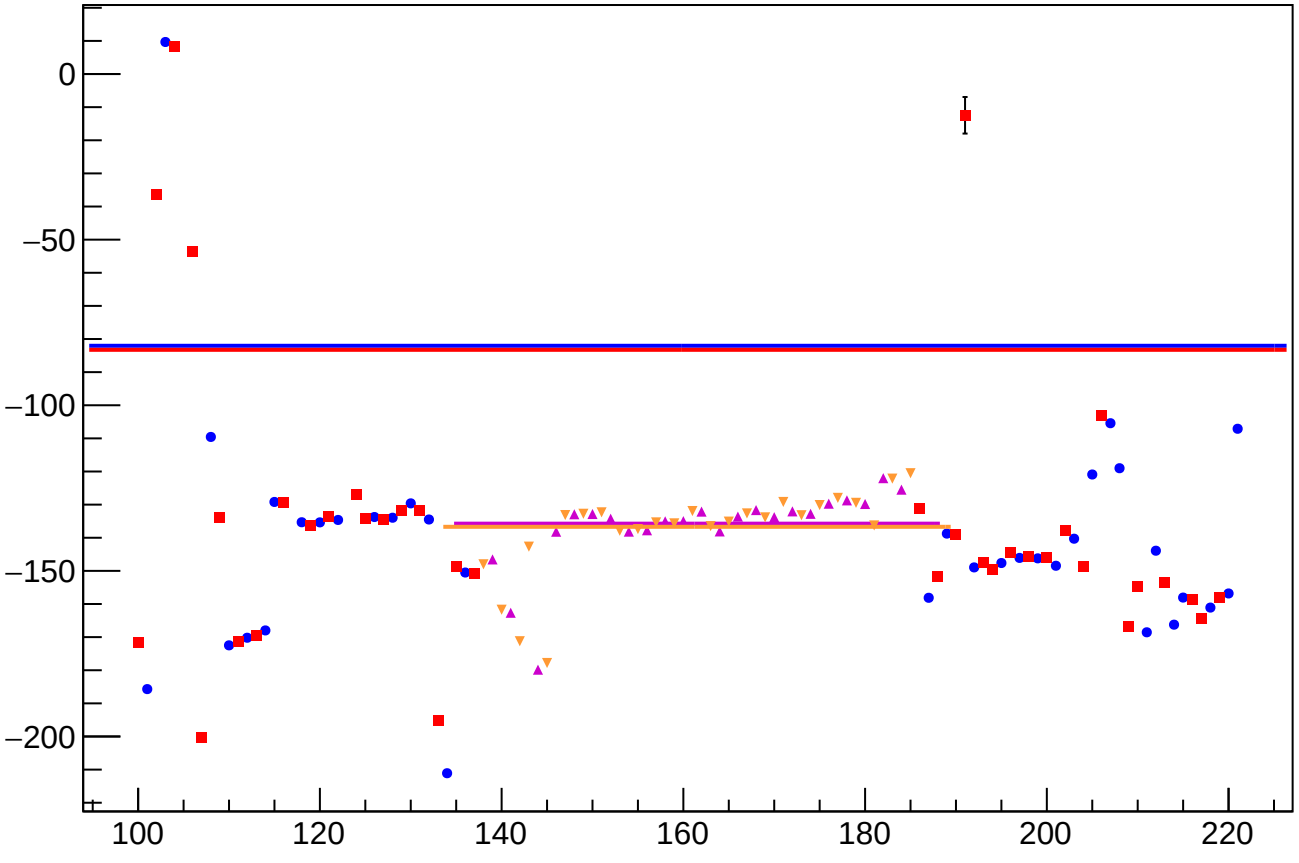
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 53.960+/-0.768 χ^2/NDF: 1886.4/58

All: 52.583+/-0.545 χ^2/NDF: 3673.2/118

- sign 51.183+/-0.774 χ^2/NDF: 1780.4/59

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -82.042+/-0.061 χ^2/NDF: 1605563.8/33

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -83.262+/-0.062 χ^2/NDF: 1289170.1/36

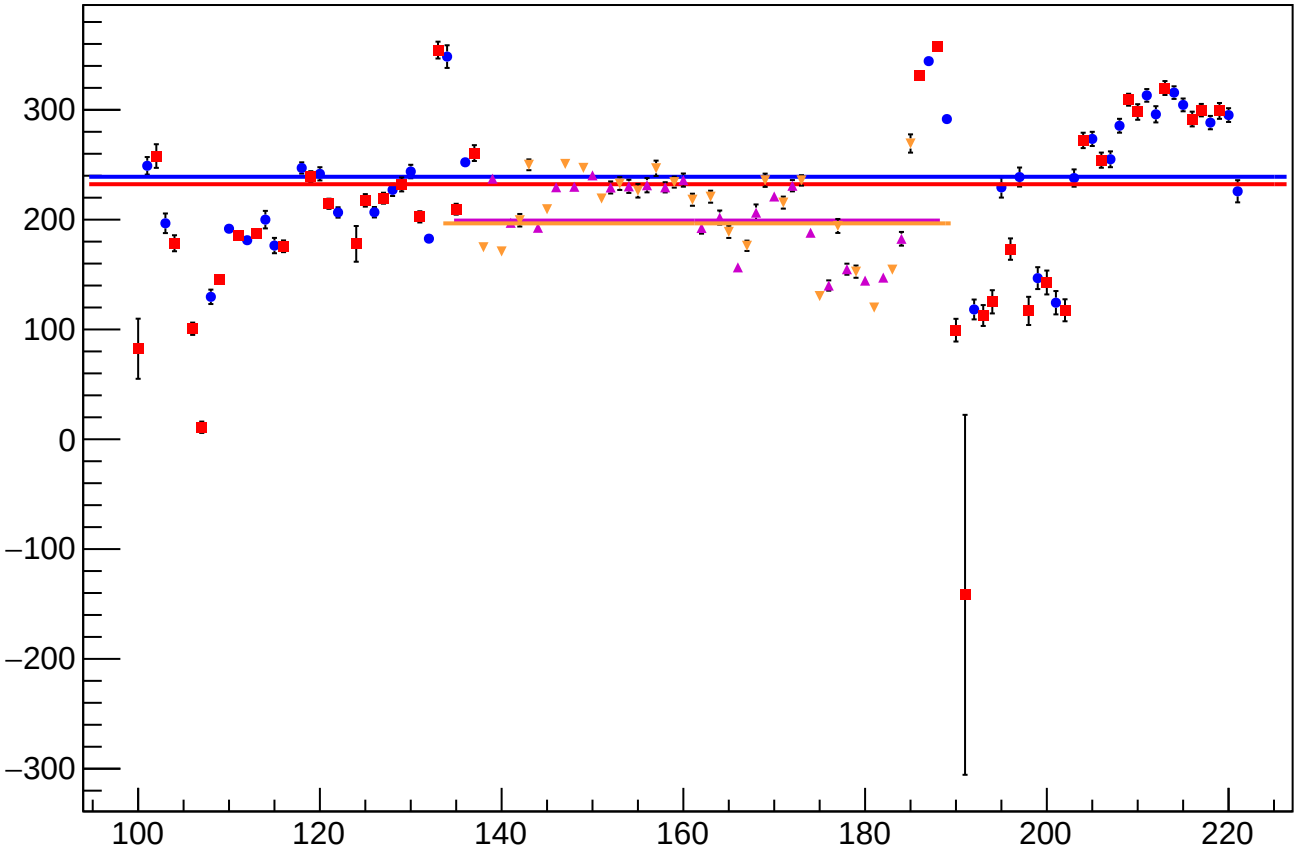
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -119.153+/-0.035 χ^2/NDF: 2221736.3/58

All: -118.975+/-0.025 χ^2/NDF: 4060203.1/11

- sign -118.794+/-0.035 χ^2/NDF: 1838414.4/59

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 239.042+/-0.998 χ^2/NDF: 3068.9/33

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 232.271+/-0.914 χ^2/NDF: 9058.8/36

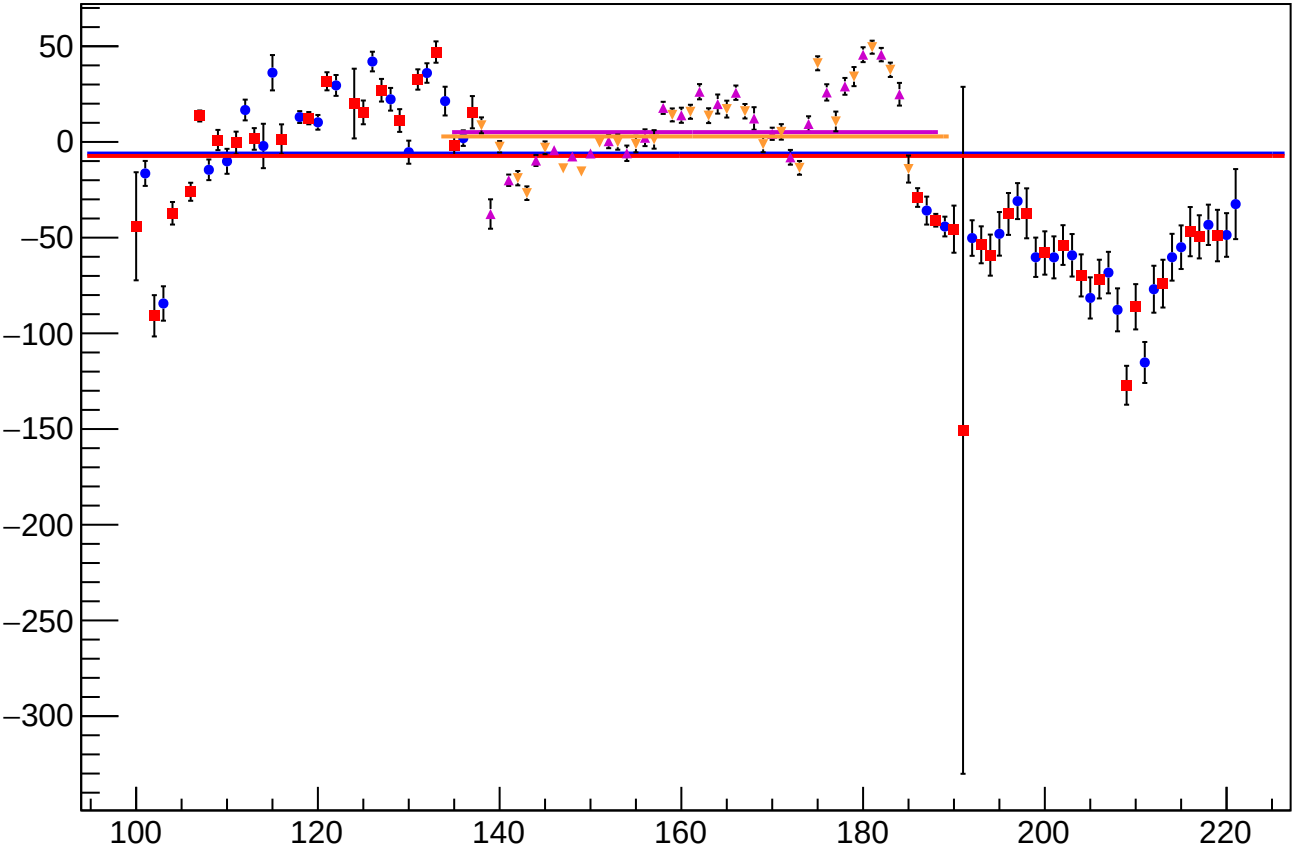
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 216.693+/-0.687 χ^2/NDF: 6095.5/58

All: 216.718+/-0.478 χ^2/NDF: 17064.5/118

- sign 216.742+/-0.666 χ^2/NDF: 10968.9/59

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.071+/-1.154 χ^2/NDF: 942.9/33

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.306+/-1.044 χ^2/NDF: 1038.6/36

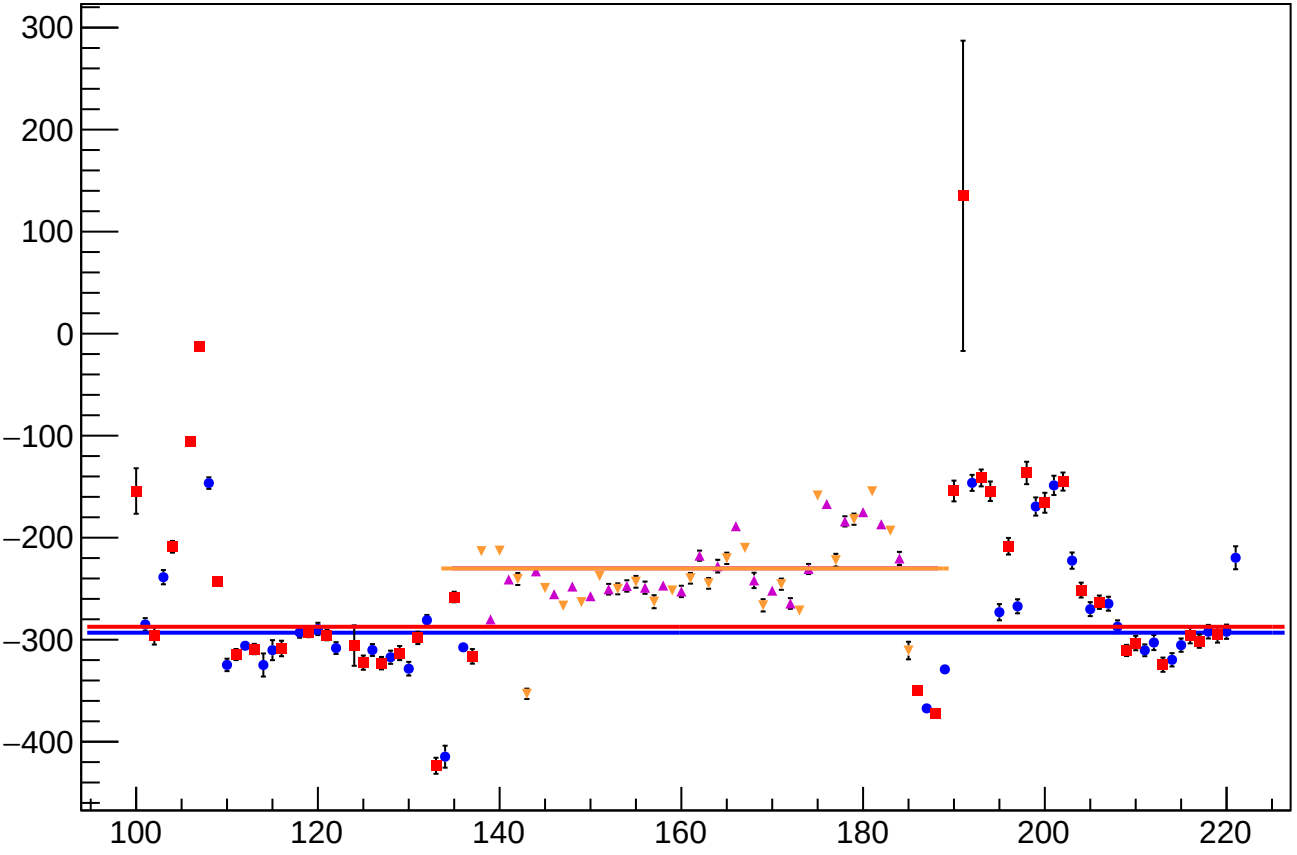
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 0.502+/-0.594 χ^2/NDF: 1739.8/58

All: 0.819+/-0.419 χ^2/NDF: 3503.8/118

- sign 1.134+/-0.592 χ^2/NDF: 1763.5/59

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.141+/-1.047 χ^2/NDF: 2453.6/33

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -287.355+/-0.929 χ^2/NDF: 9981.9/36

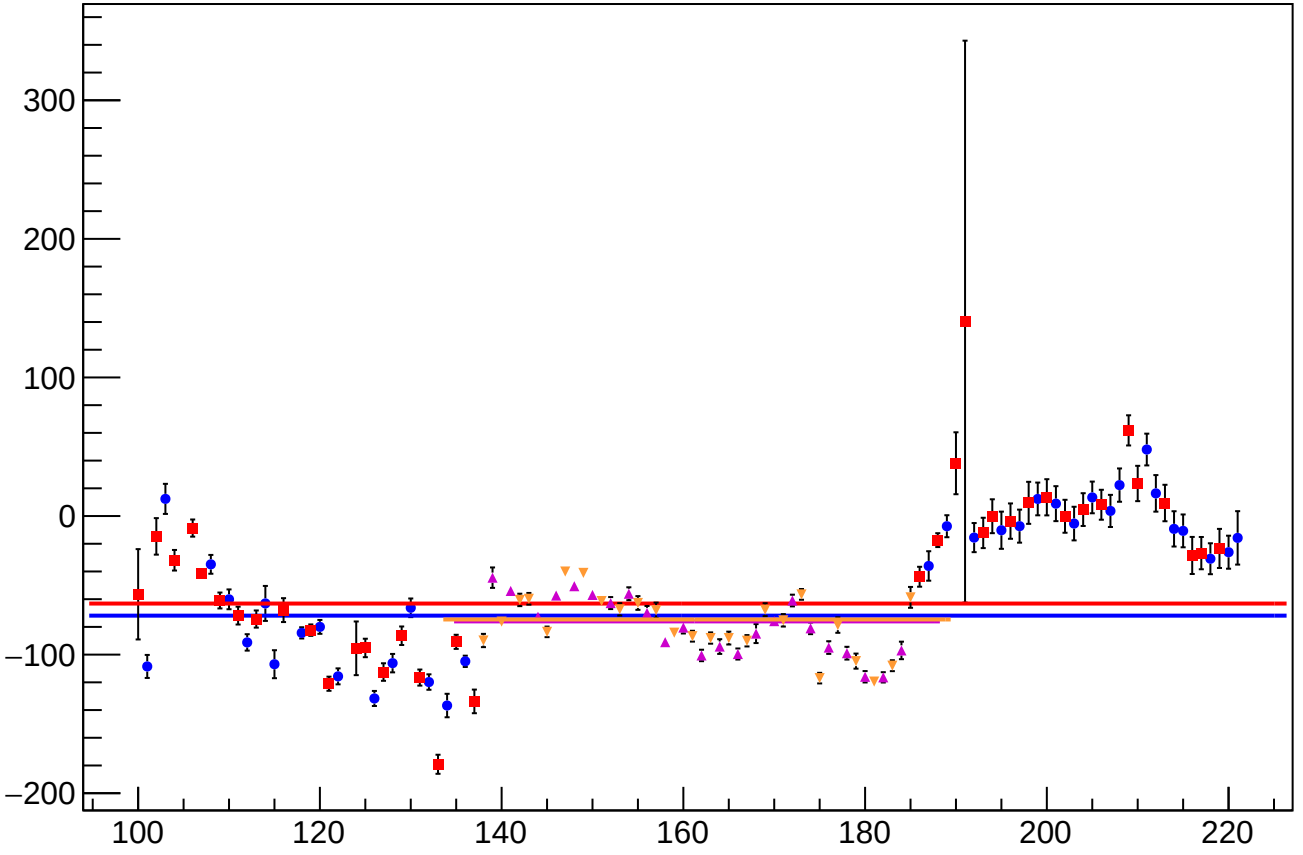
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -258.257+/-0.699 χ^2/NDF: 6640.3/58

All: -258.995+/-0.483 χ^2/NDF: 19556.6/118

- sign -259.668+/-0.668 χ^2/NDF: 12914.2/59

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -71.877+/-1.339 χ^2/NDF: 1231.2/33

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.150+/-1.243 χ^2/NDF: 1442.7/36

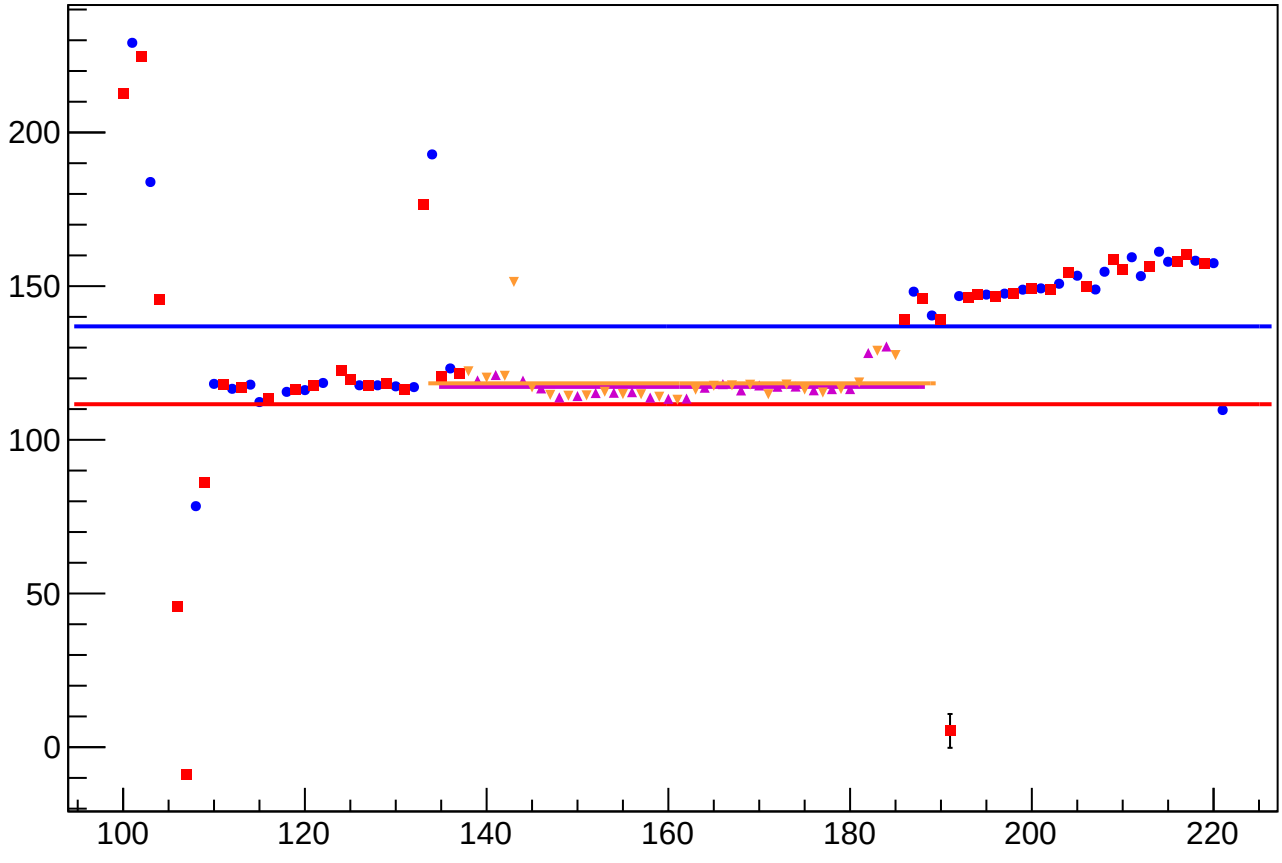
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

\+ sign -73.915+/-0.687 χ^2/NDF: 2065.3/58

All: -73.004+/-0.486 χ^2/NDF: 4232.1/118

\- sign -72.094+/-0.687 χ^2/NDF: 2163.3/59

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.911+/-0.070 χ^2/NDF: 208326.5/33

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.583+/-0.064 χ^2/NDF: 793518.2/36

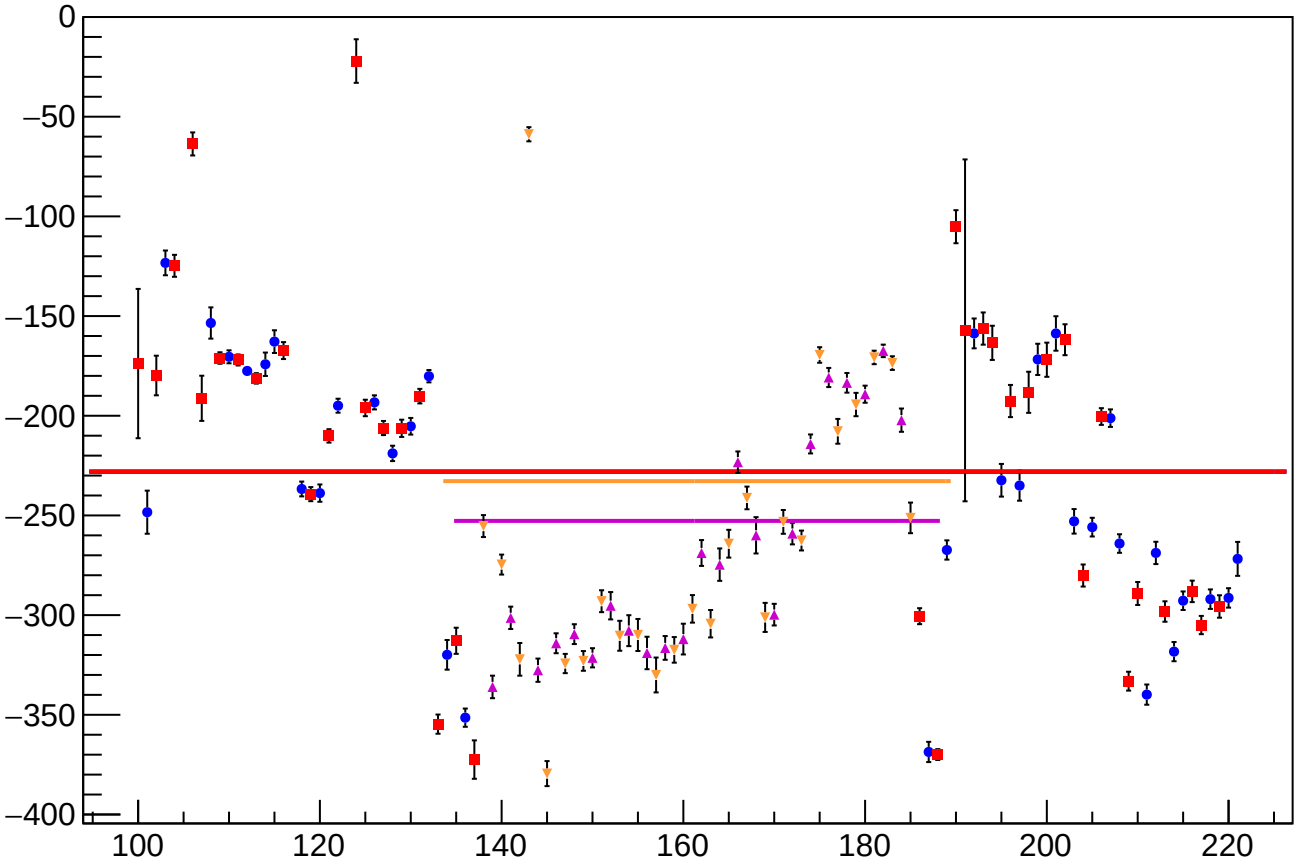
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.513+/-0.033 χ^2/NDF: 298350.4/58

All: 119.090+/-0.023 χ^2/NDF: 1129301.3/118

- sign 115.767+/-0.032 χ^2/NDF: 809565.6/59

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -228.112+/-0.805 χ^2/NDF: 5321.6/33

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -227.831+/-0.775 χ^2/NDF: 9234.4/36

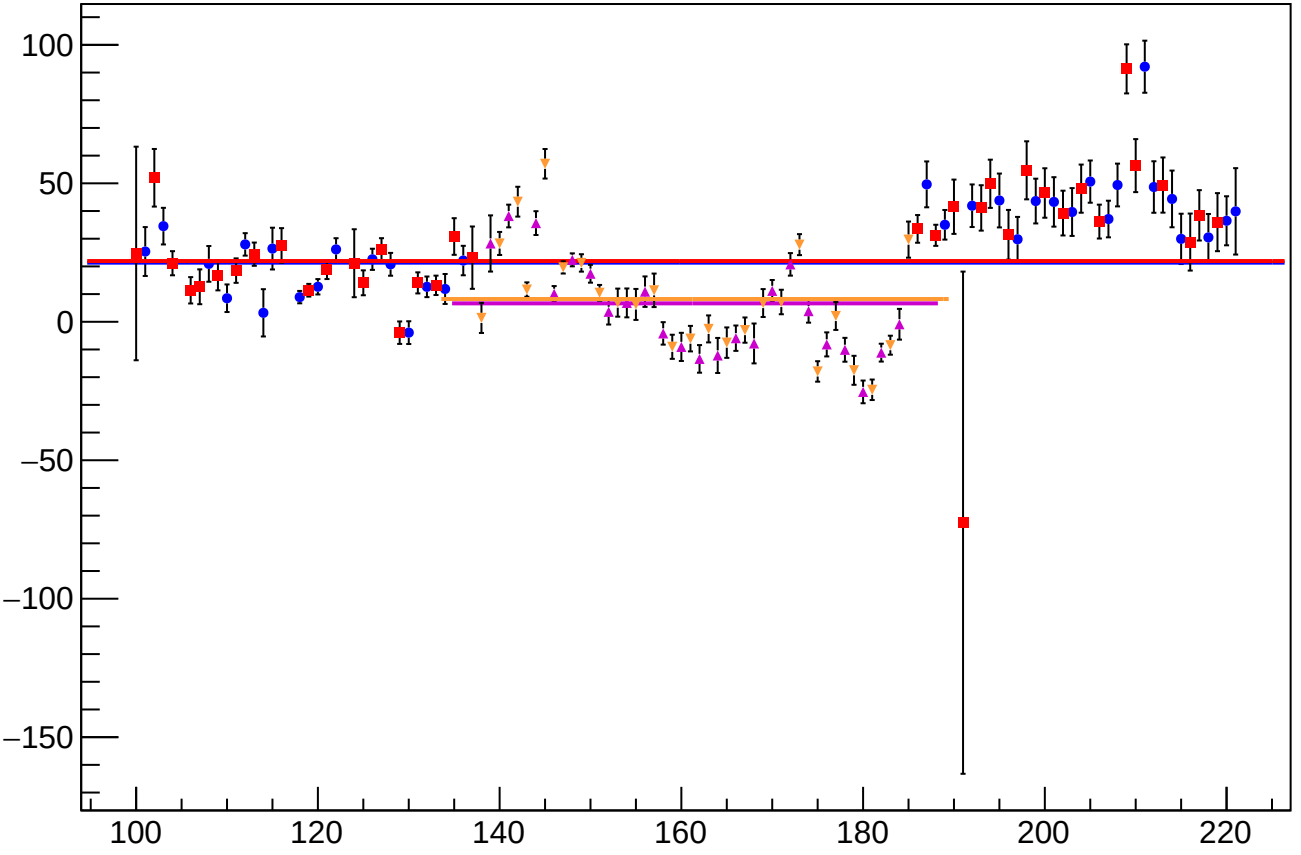
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -229.803+/-0.644 χ^2/NDF: 11097.8/58

All: -232.818+/-0.454 χ^2/NDF: 23619.8/118

- sign -235.792+/-0.639 χ^2/NDF: 12478.4/59

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.359+/-0.922 χ^2/NDF: 267.2/33

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.938+/-0.901 χ^2/NDF: 254.2/36

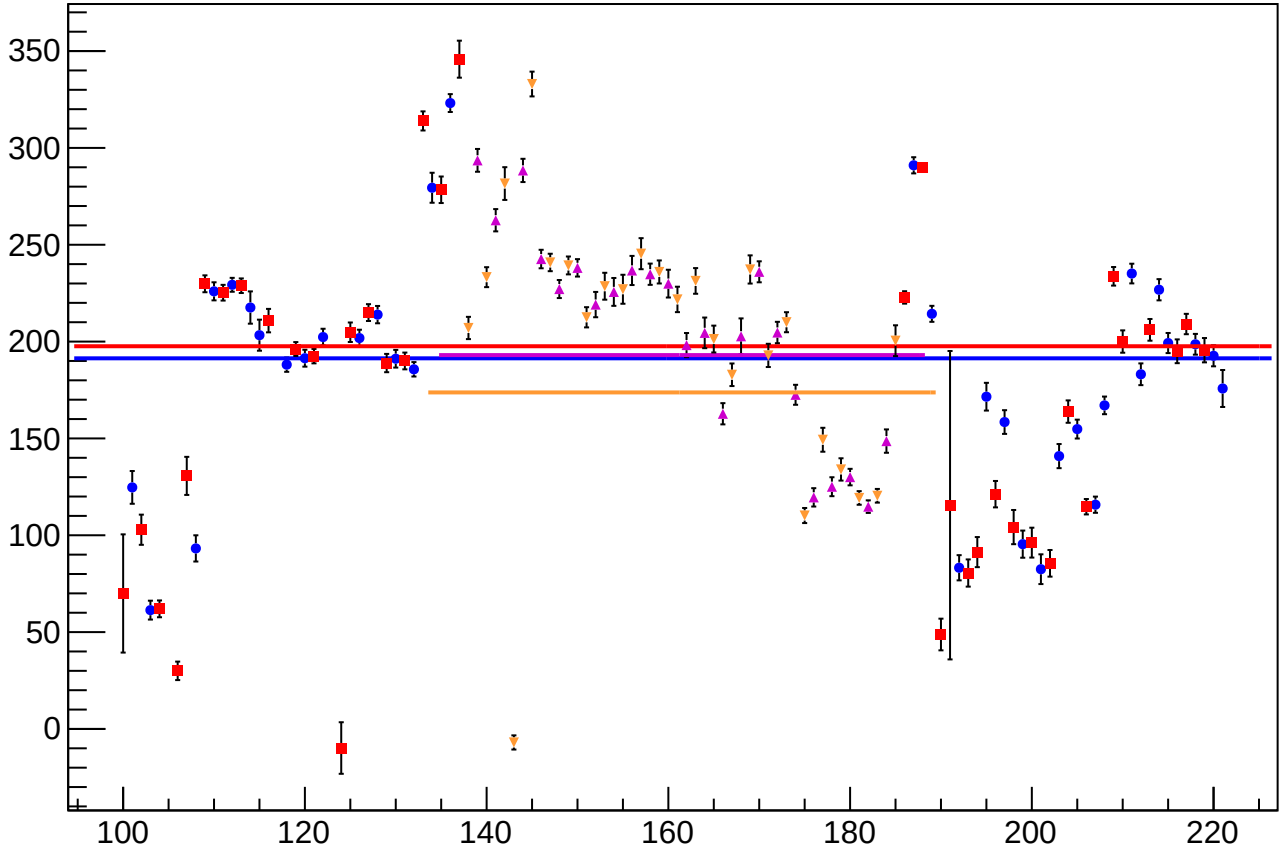
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 13.889+/-0.605 χ^2/NDF: 840.6/58

All: 13.907+/-0.434 χ^2/NDF: 1600.5/118

- sign 13.926+/-0.622 χ^2/NDF: 759.9/59

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.360+/-0.872 χ^2/NDF: 4054.8/33

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.596+/-0.825 χ^2/NDF: 7617.1/36

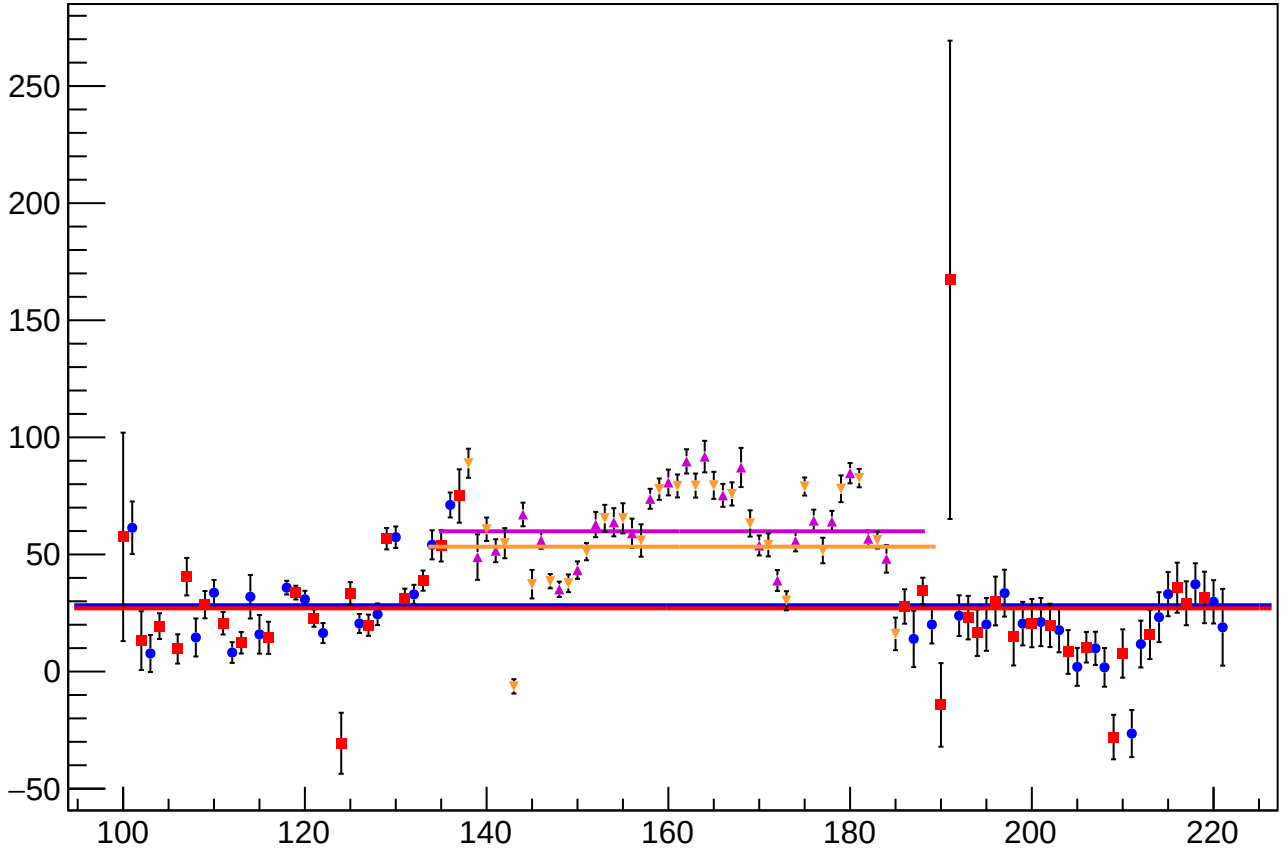
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 184.326+/-0.675 χ^2/NDF: 9478.6/58

All: 190.253+/-0.474 χ^2/NDF: 19770.0/118

- sign 195.992+/-0.665 χ^2/NDF: 10139.9/59

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.323+/-1.067 χ^2/NDF: 252.9/33

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.996+/-1.052 χ^2/NDF: 206.3/36

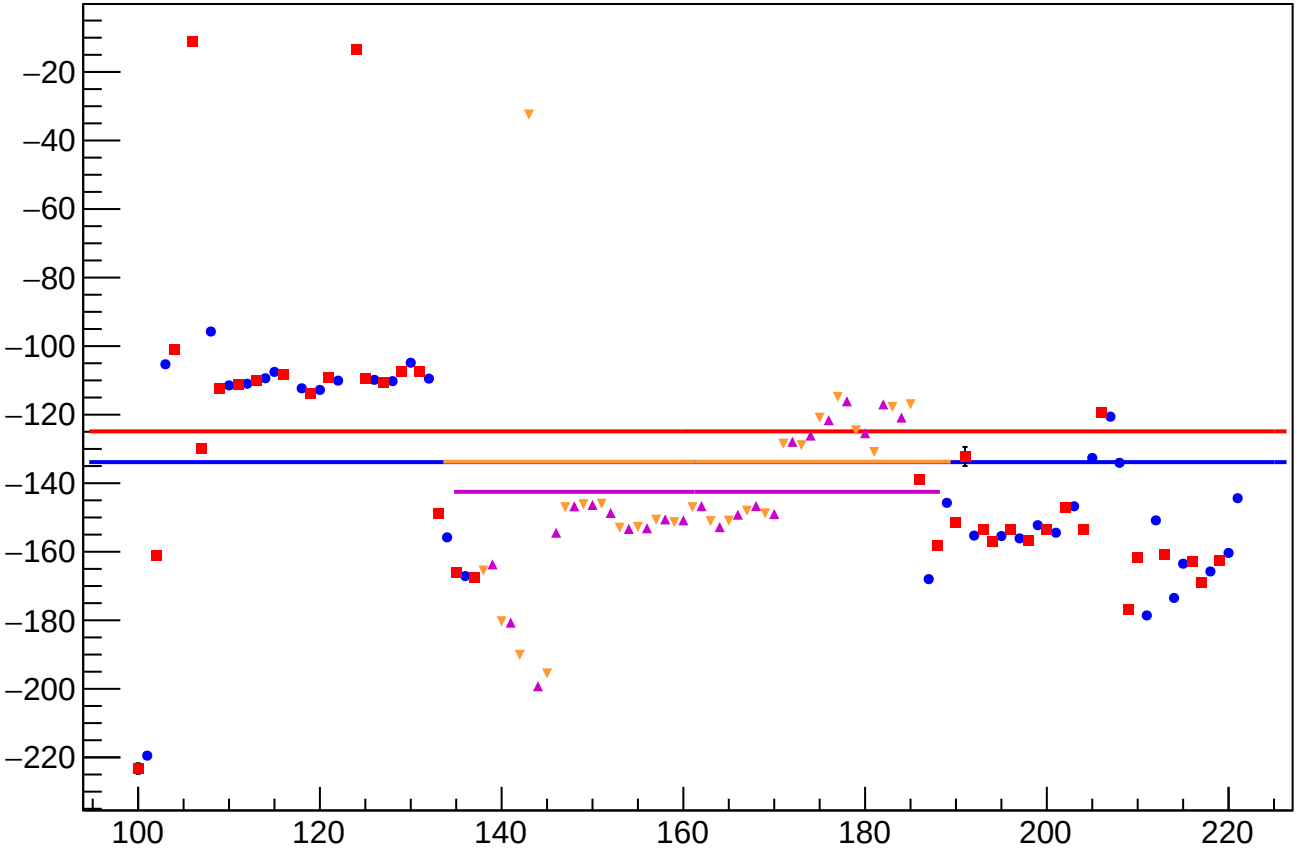
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 42.641+/-0.697 χ^2/NDF: 1346.5/58

All: 43.625+/-0.500 χ^2/NDF: 2332.9/118

- sign 44.661+/-0.716 χ^2/NDF: 982.3/59

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -133.848+/-0.059 χ^2/NDF: 201651.4/33

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.876+/-0.057 χ^2/NDF: 536403.3/36

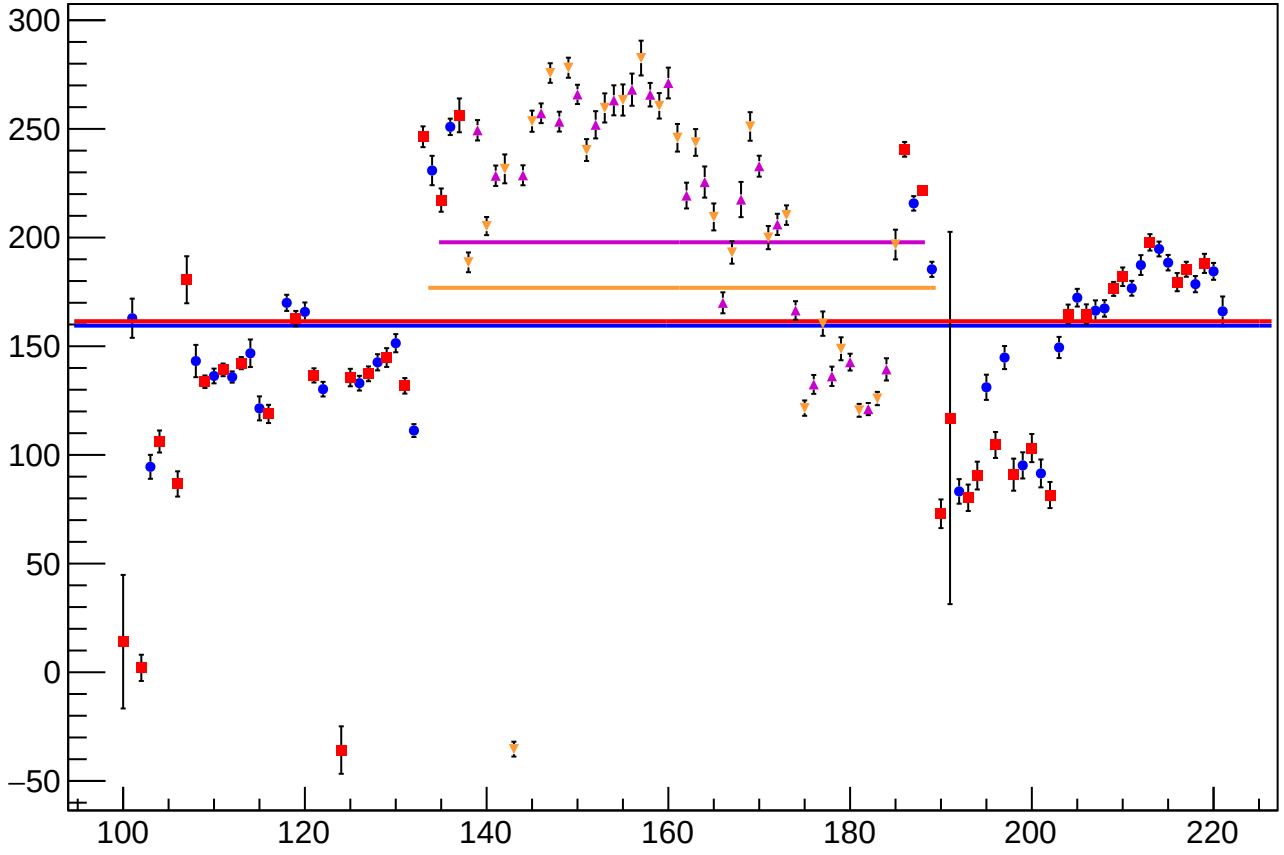
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.757+/-0.035 χ^2/NDF: 877580.6/58

All: -134.779+/-0.025 χ^2/NDF: 1654091.1/11

- sign -135.824+/-0.035 χ^2/NDF: 774745.6/59

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 159.487+/-0.709 χ^2/NDF: 2562.8/33

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 161.524+/-0.678 χ^2/NDF: 5293.5/36

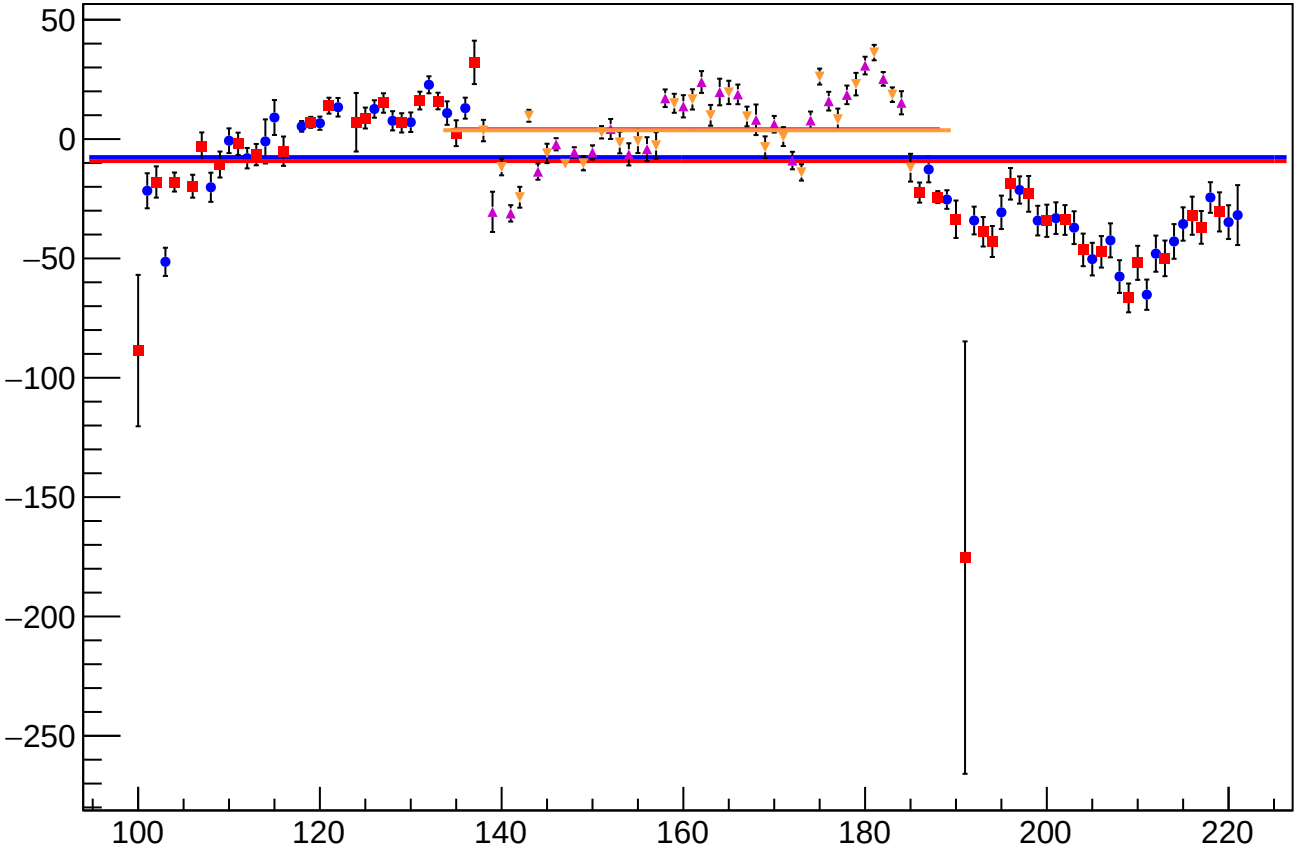
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 165.651+/-0.570 χ^2/NDF: 10200.6/58

All: 169.306+/-0.400 χ^2/NDF: 19438.7/118

- sign 172.861+/-0.562 χ^2/NDF: 9156.9/59

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.559+/-0.844 χ^2/NDF: 728.0/33

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -9.211+/-0.814 χ^2/NDF: 708.8/36

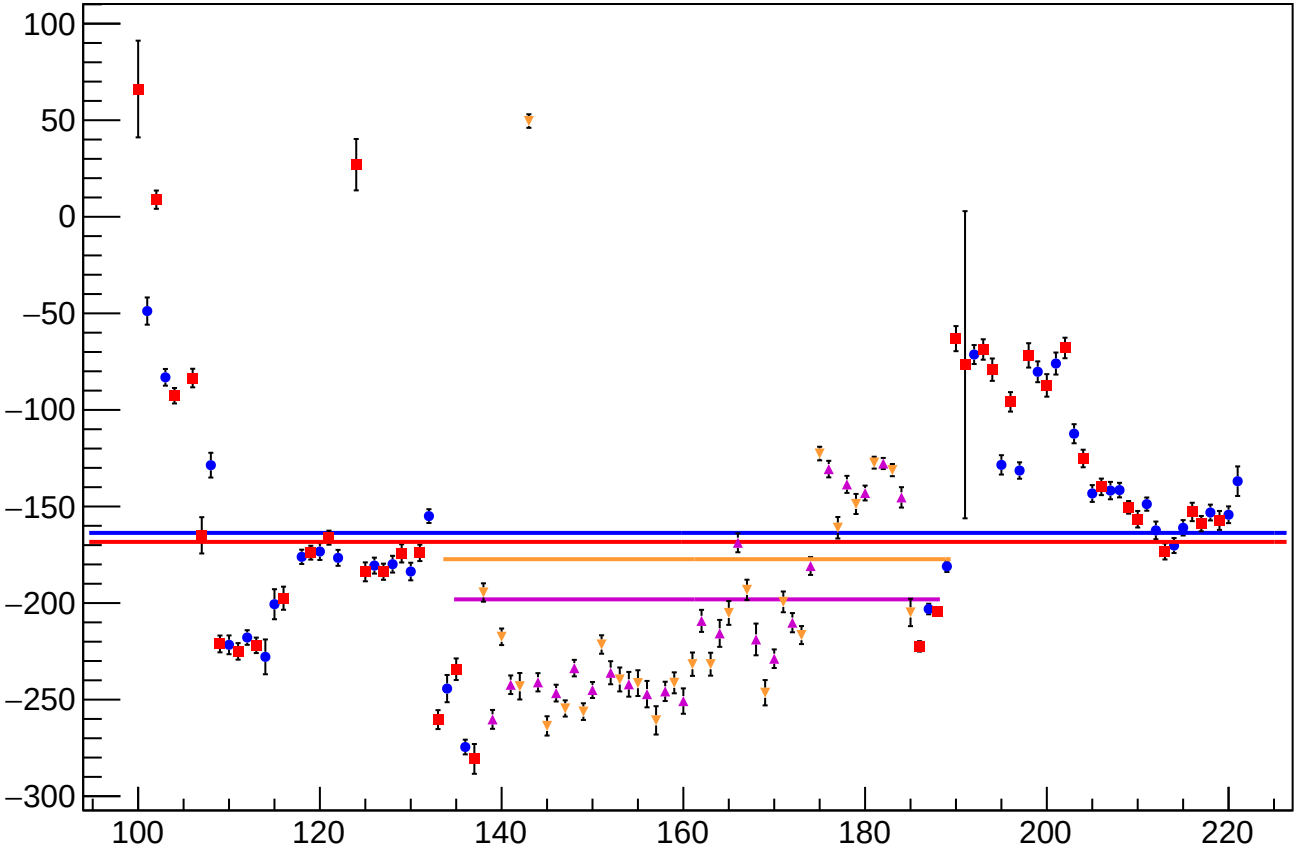
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign -1.066+/-0.549 χ^2/NDF: 1231.8/58

All: -1.610+/-0.392 χ^2/NDF: 2482.9/118

- sign -2.173+/-0.559 χ^2/NDF: 1249.1/59

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -163.665+/-0.743 χ^2/NDF: 3533.6/33

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.330+/-0.688 χ^2/NDF: 6716.6/36

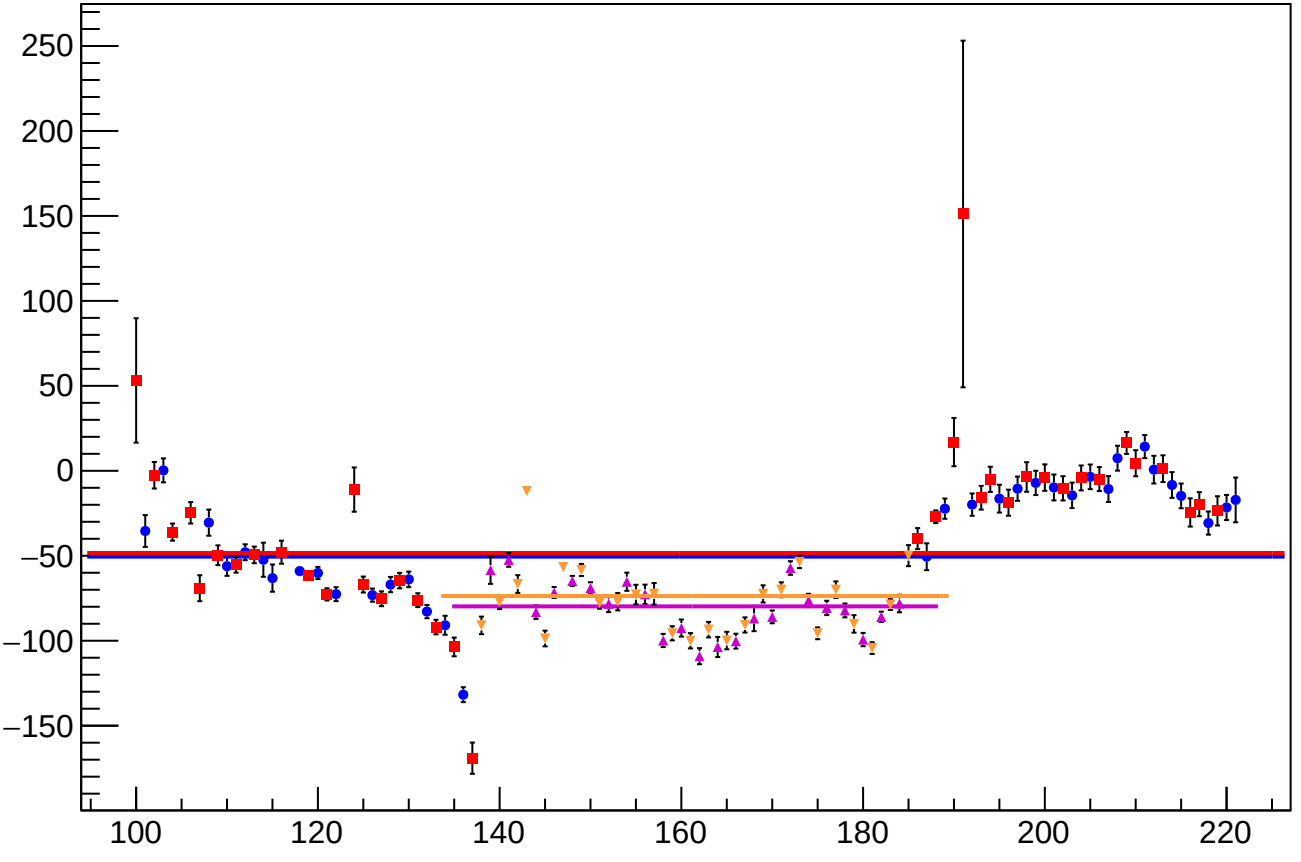
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -168.796+/-0.587 χ^2/NDF: 10700.0/58

All: -173.503+/-0.408 χ^2/NDF: 20527.9/118

- sign -177.896+/-0.567 χ^2/NDF: 9703.6/59

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -50.485+/-0.977 χ^2/NDF: 1156.0/33

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.364+/-0.960 χ^2/NDF: 1147.0/36

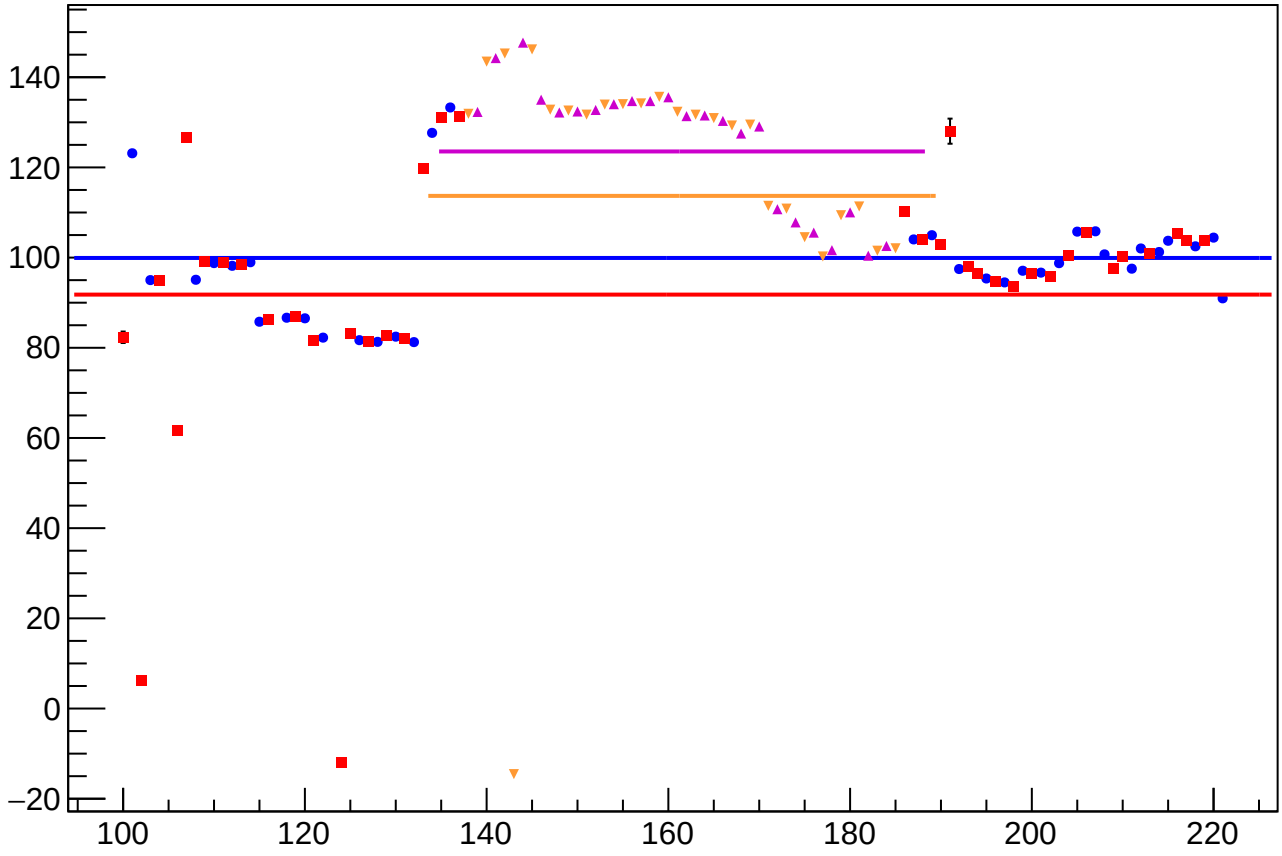
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -63.991+/-0.632 χ^2/NDF: 2324.0/58

All: -64.747+/-0.452 χ^2/NDF: 4336.6/118

\- sign -65.537+/-0.646 χ^2/NDF: 2009.6/59

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.922+/-0.051 χ^2/NDF: 70518.4/33

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.794+/-0.048 χ^2/NDF: 291723.9/36

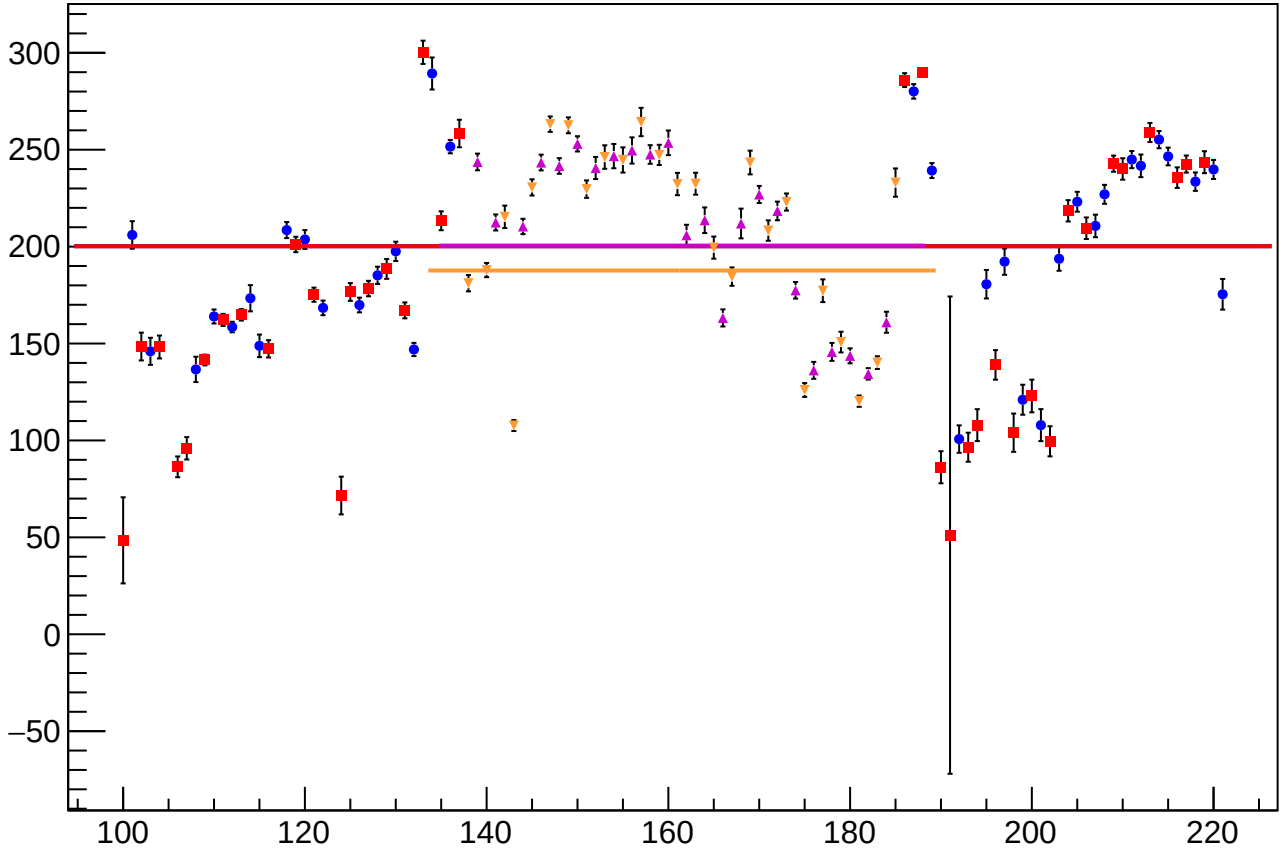
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.667+/-0.031 χ^2/NDF: 1080635.2/58

All: 109.739+/-0.022 χ^2/NDF: 1766702.3/118

- sign 110.818+/-0.031 χ^2/NDF: 683600.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

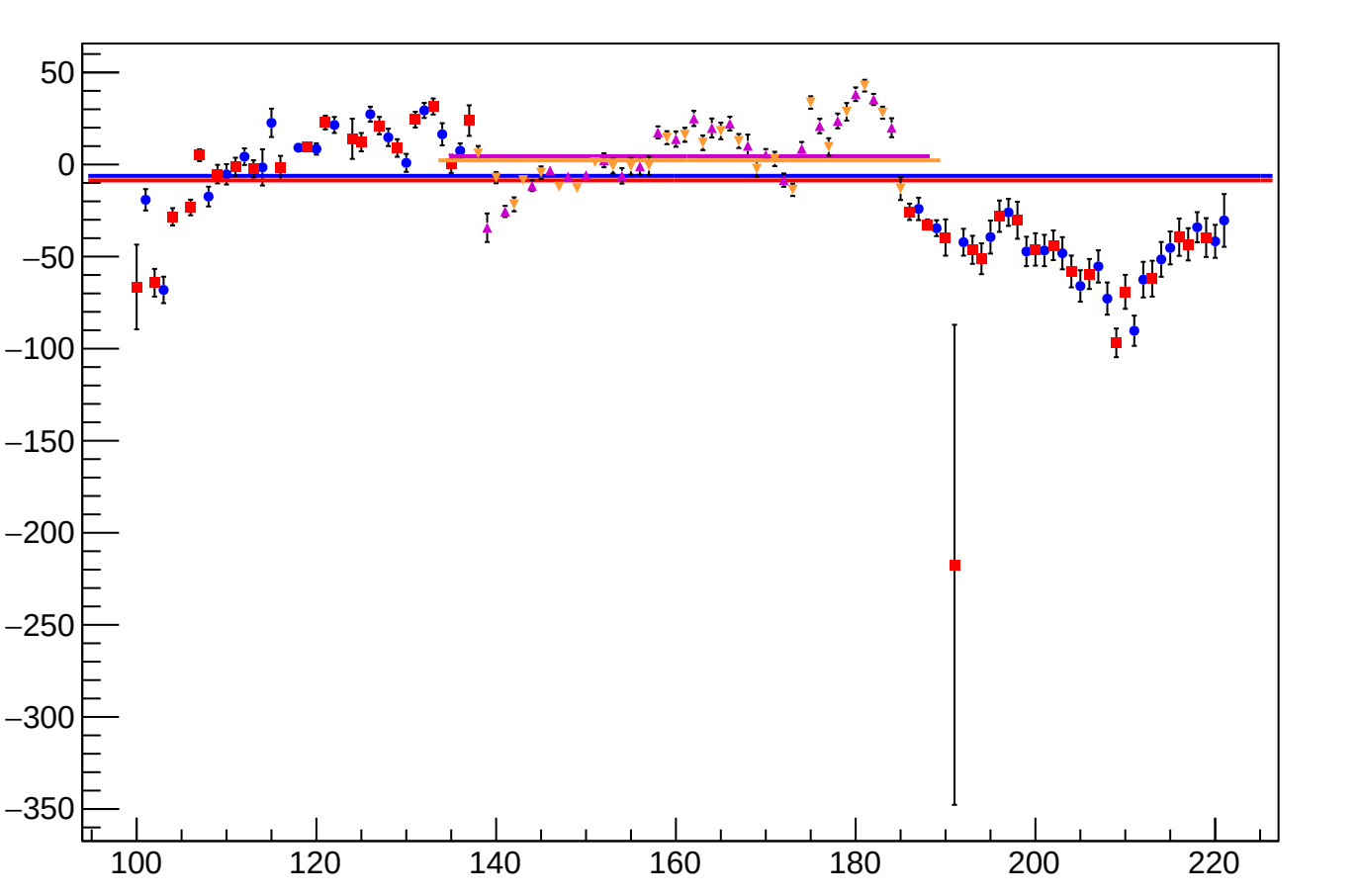
Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 194.515+/-0.605 χ^2/NDF: 6530.3/58

All: 197.458+/-0.425 χ^2/NDF: 15270.2/118

- sign 200.318+/-0.597 χ^2/NDF: 8693.3/59



Right In: -6.159+/-0.953 χ^2/NDF: 912.9/33

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

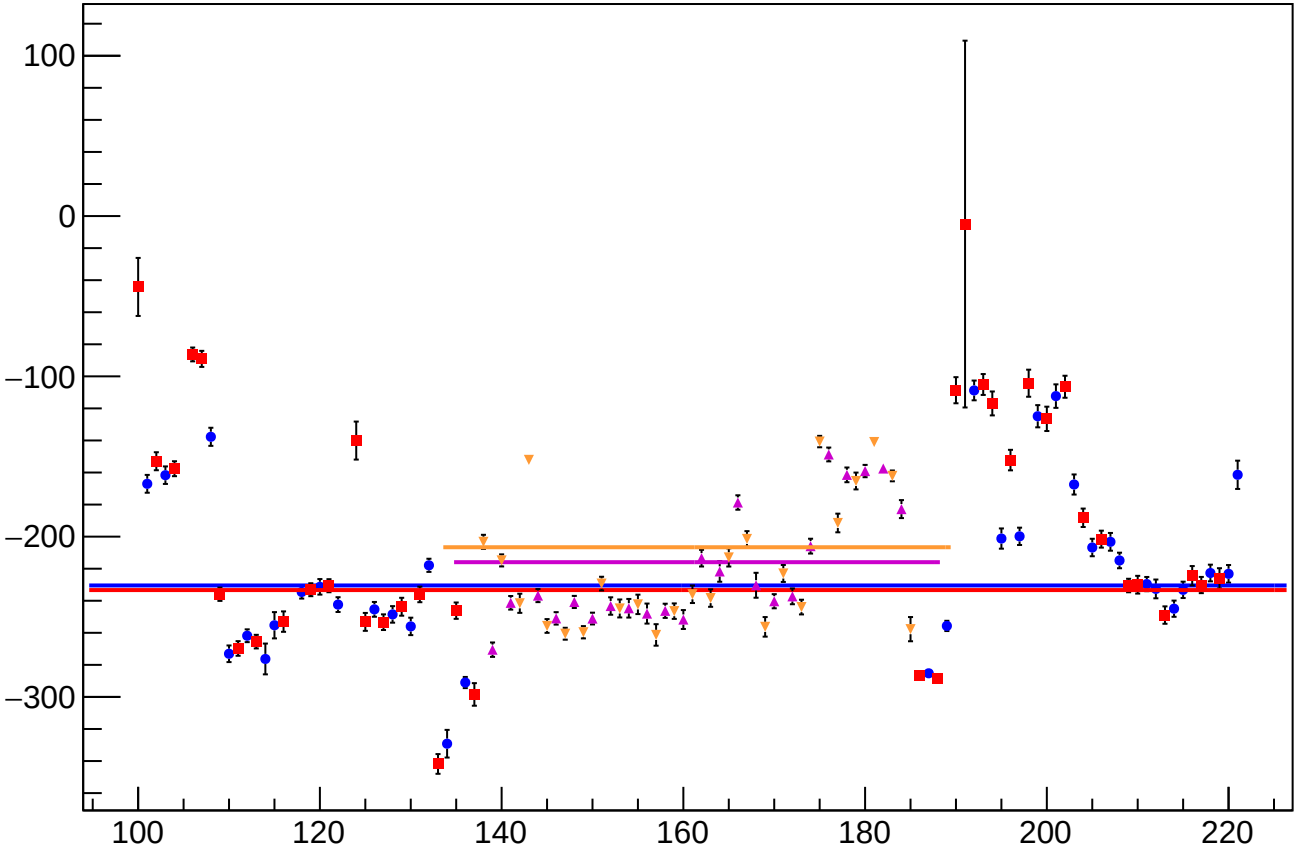
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.505+/-0.545 χ^2/NDF: 1566.1/58

All: -0.570+/-0.390 χ^2/NDF: 3226.8/118

- sign -0.637+/-0.557 χ^2/NDF: 1660.6/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

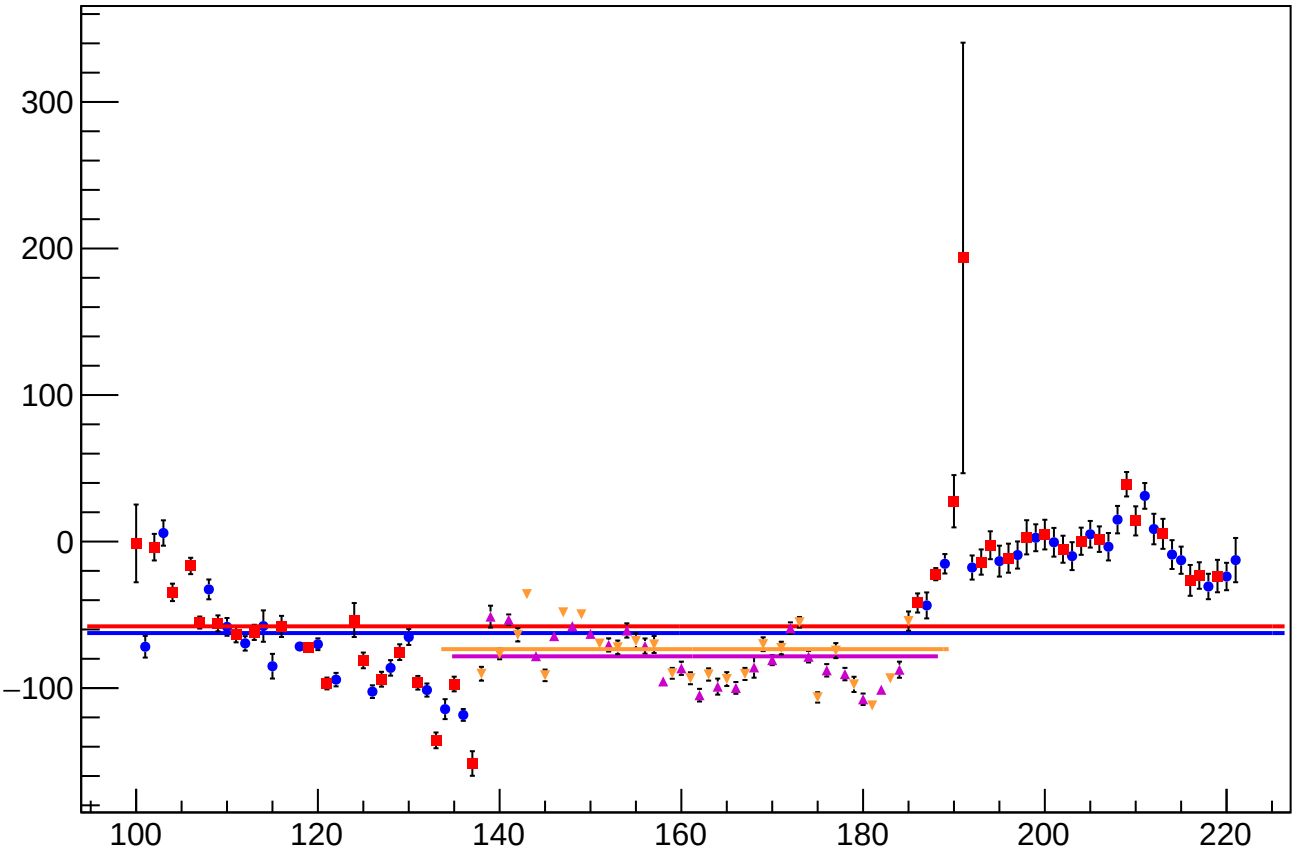
Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.991+/-0.621 χ^2/NDF: 5593.7/58

All: -222.779+/-0.432 χ^2/NDF: 14252.2/118

- sign -226.328+/-0.601 χ^2/NDF: 8586.3/59



Right In: -62.446+/-1.107 χ^2/NDF: 1267.7/33

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

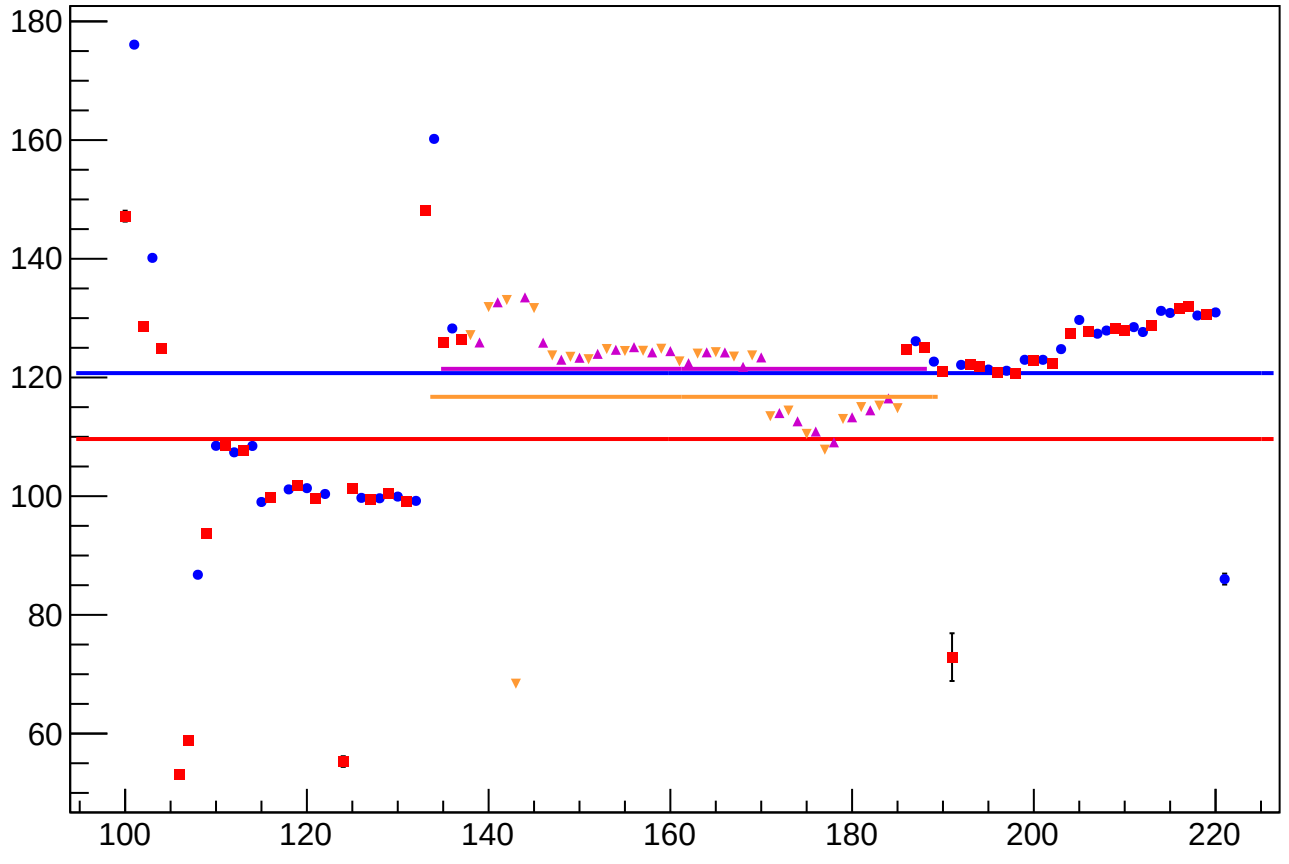
Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.864+/-0.630 χ^2/NDF: 2170.7/58

All: -70.250+/-0.451 χ^2/NDF: 4247.1/118

- sign -70.656+/-0.646 χ^2/NDF: 2075.6/59



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

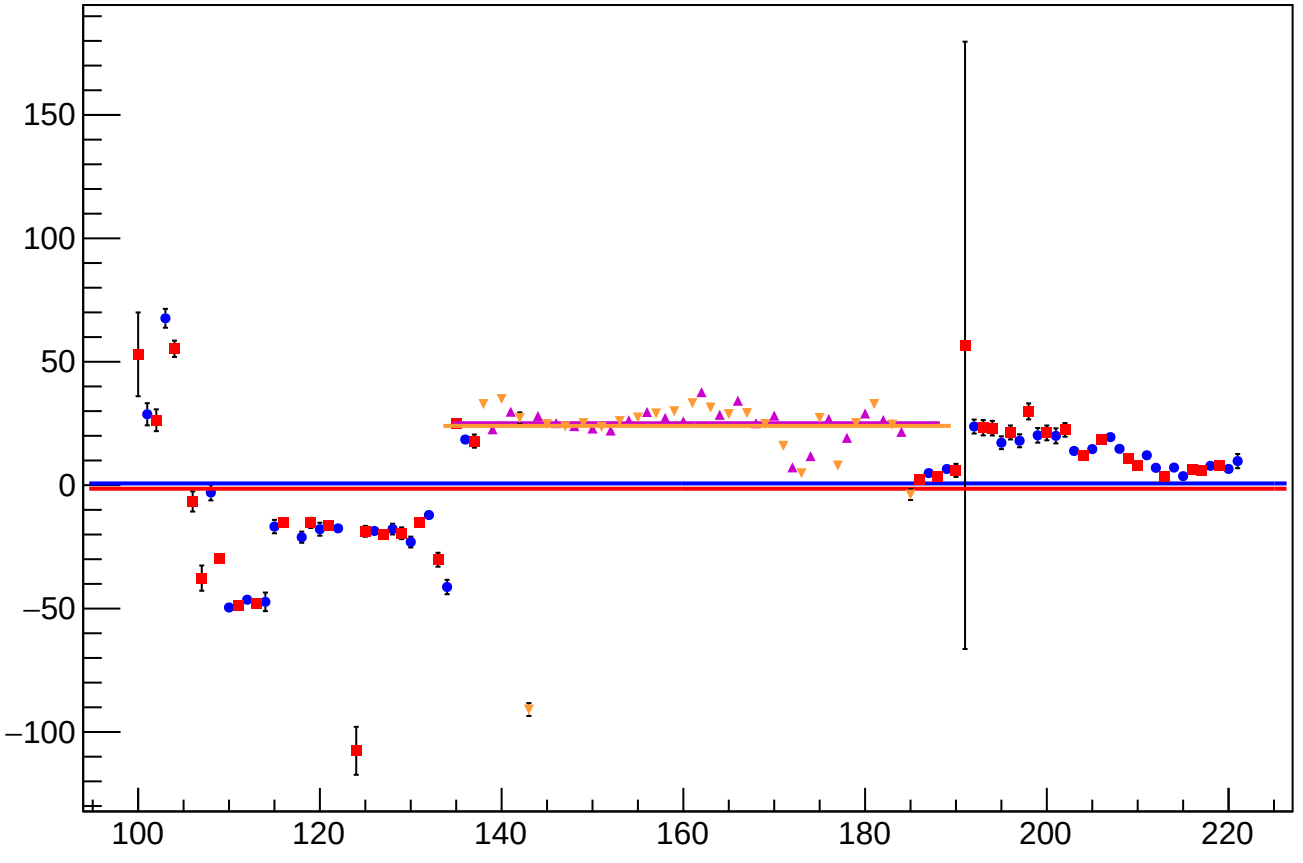
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.833+/-0.031 χ^2/NDF: 309078.8/58

All: 117.746+/-0.022 χ^2/NDF: 588096.2/118

- sign 117.659+/-0.031 χ^2/NDF: 279001.1/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.702+/-0.338 χ^2/NDF: 3756.8/33

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

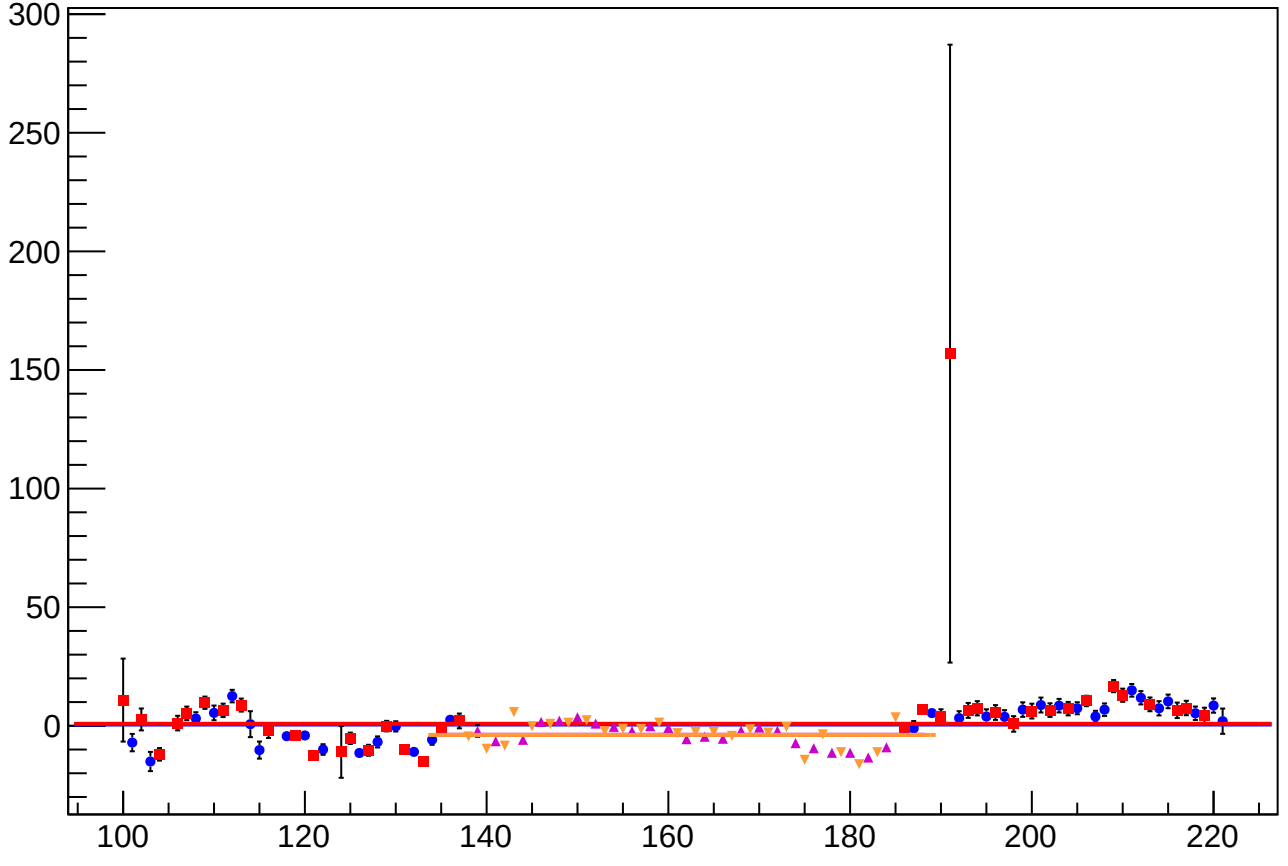
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.436+/-0.216 χ^2/NDF: 9370.8/58

All: 14.078+/-0.153 χ^2/NDF: 17498.2/118

- sign 13.718+/-0.217 χ^2/NDF: 8121.9/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.553+/-0.425 χ^2/NDF: 296.8/33

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

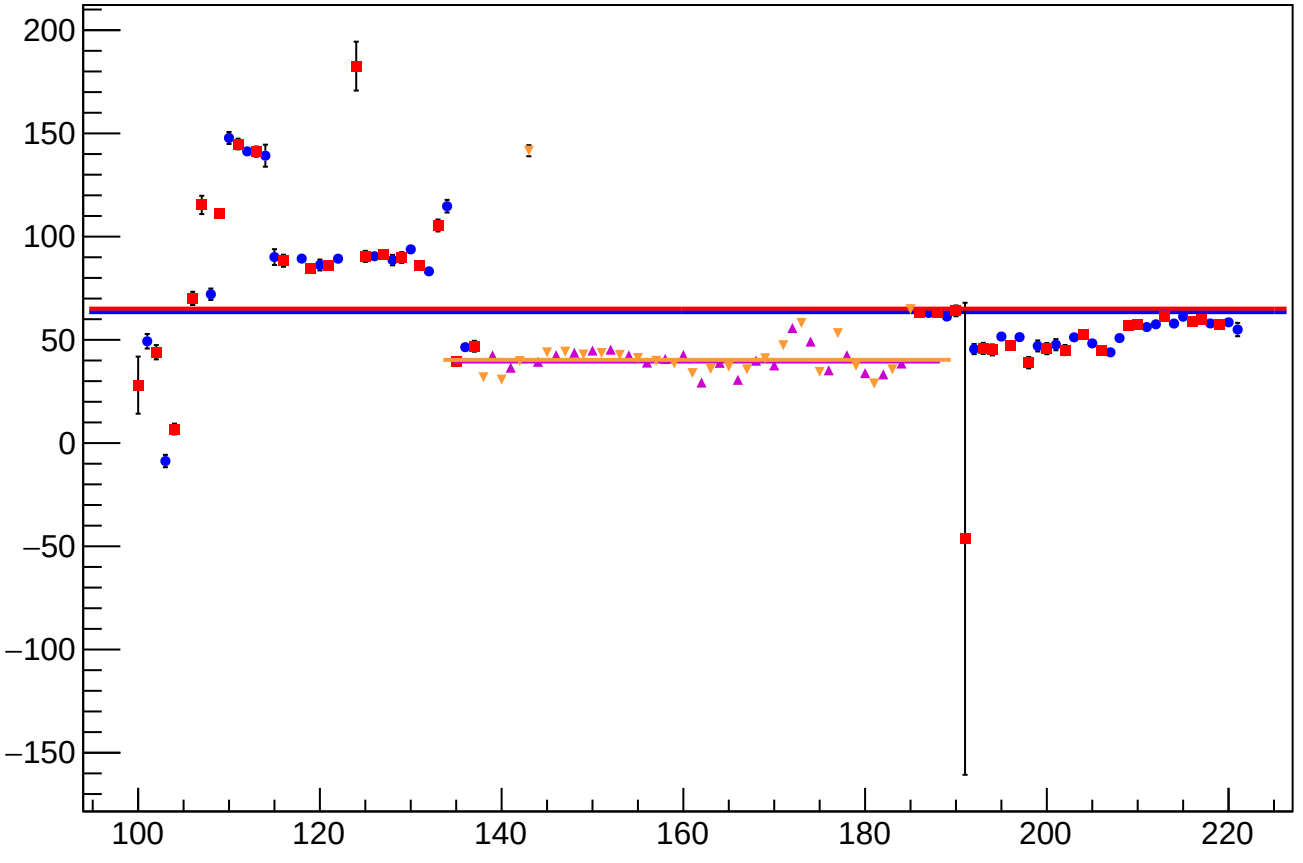
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -2.931+/-0.194 χ^2/NDF: 1030.9/58

All: -2.839+/-0.138 χ^2/NDF: 2001.8/118

- sign -2.744+/-0.197 χ^2/NDF: 970.4/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 63.409+/-0.351 χ^2/NDF: 4703.3/33

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

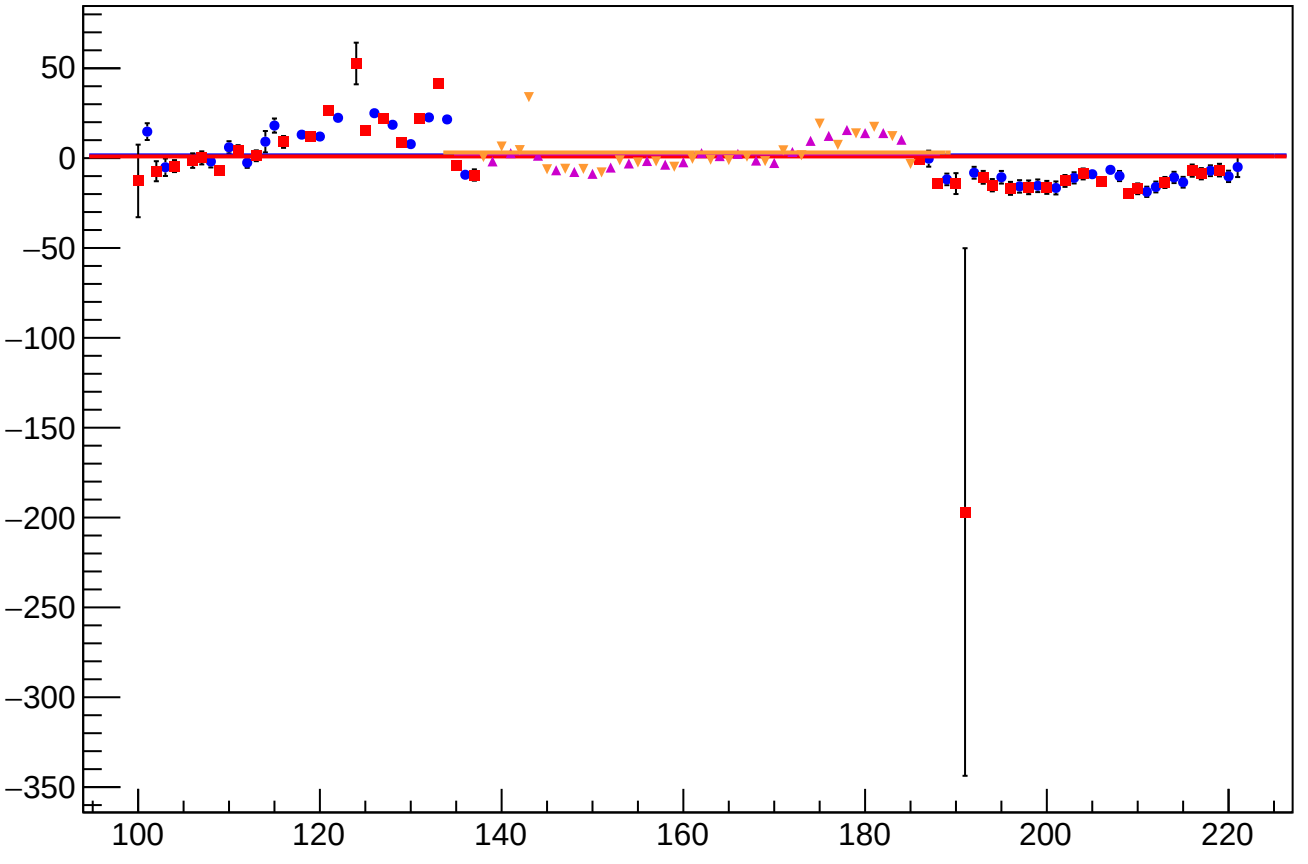
Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 49.315+/-0.219 χ^2/NDF: 9534.3/58

All: 49.782+/-0.154 χ^2/NDF: 18242.1/118

- sign 50.240+/-0.217 χ^2/NDF: 8698.8/59



Right In: 1.540+/-0.482 χ^2/NDF: 874.8/33

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

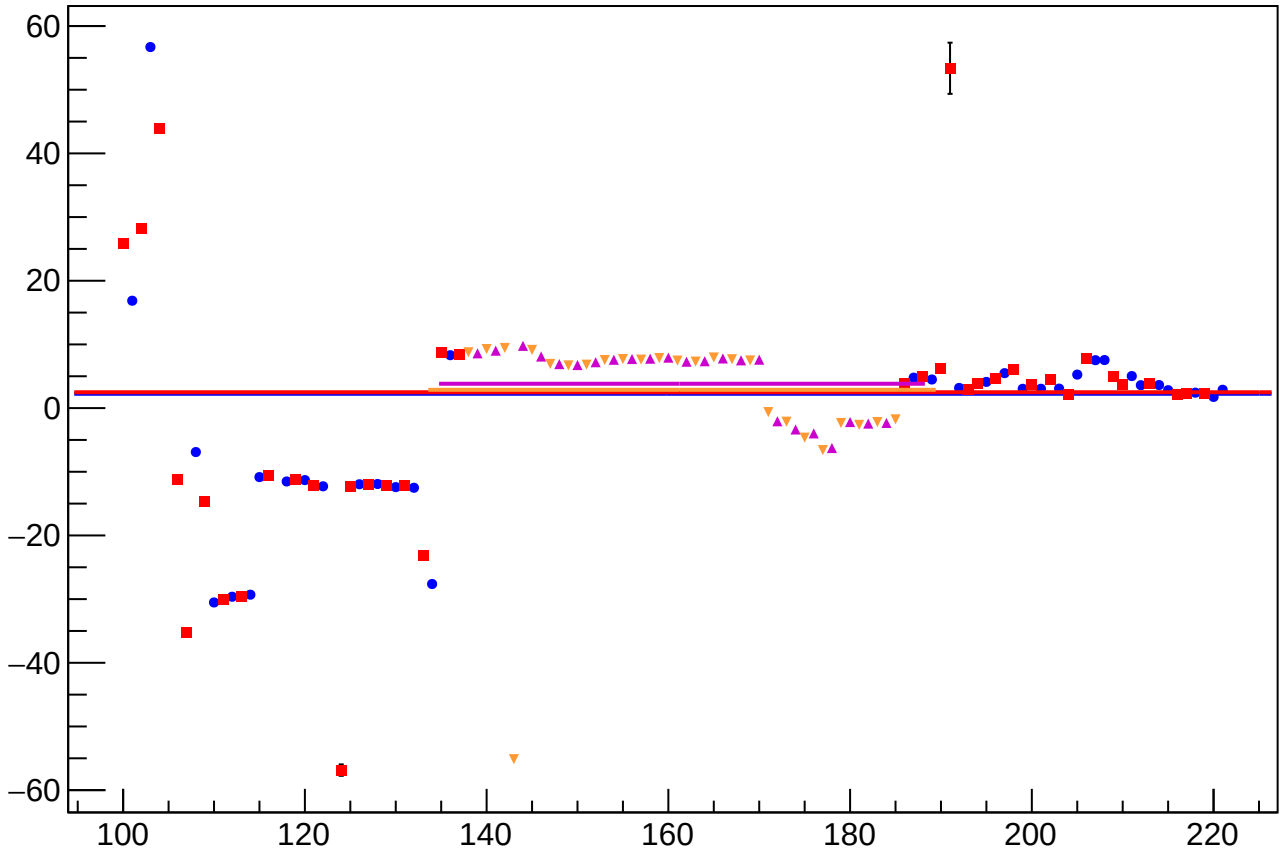
Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.812+/-0.219 χ^2/NDF: 2150.6/58

All: 2.505+/-0.156 χ^2/NDF: 4178.2/118

- sign 2.185+/-0.223 χ^2/NDF: 2023.5/59



Right In: 2.251+/-0.023 χ^2/NDF: 383025.3/33

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

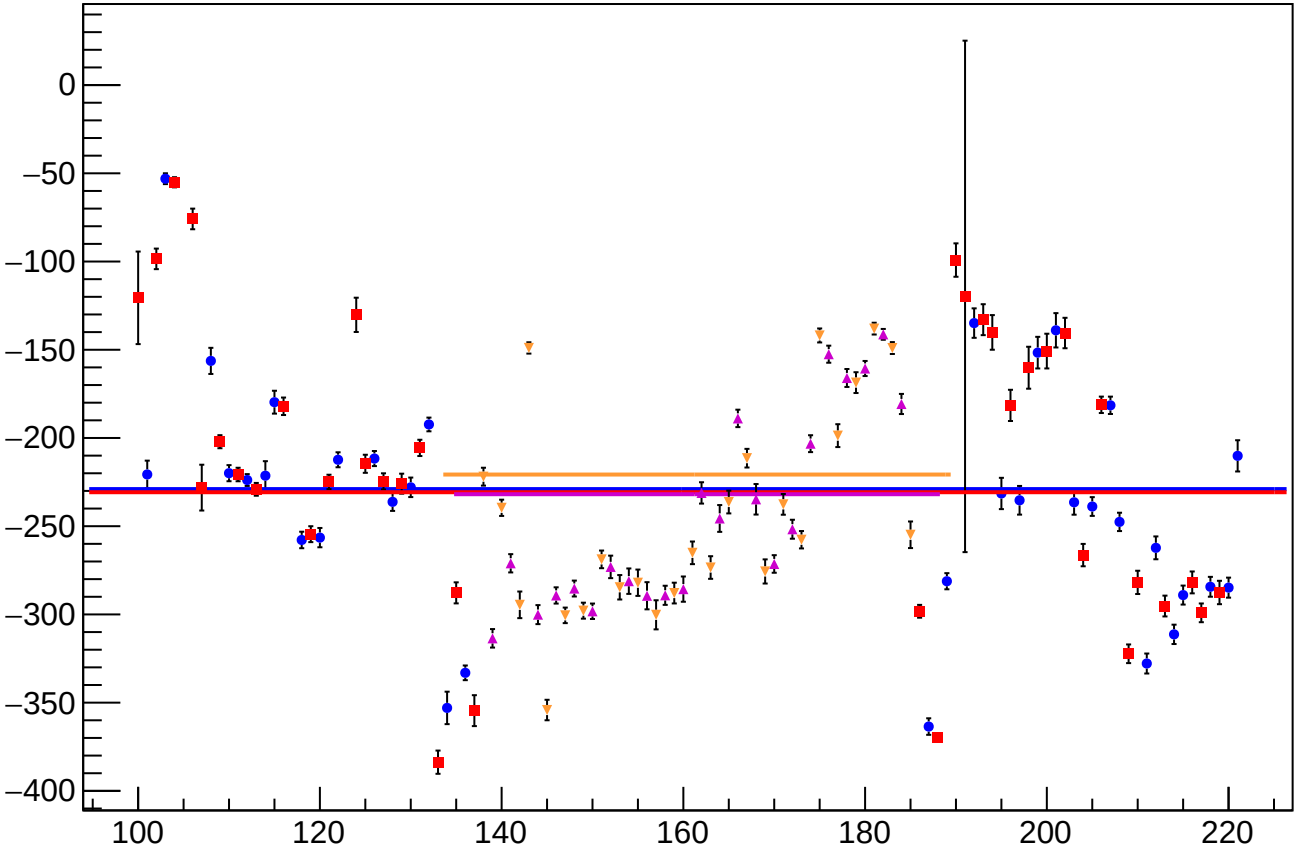
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.756+/-0.010 χ^2/NDF: 895940.8/58

All: 3.163+/-0.007 χ^2/NDF: 1466000.7/118

- sign 3.579+/-0.010 χ^2/NDF: 566654.6/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -228.965+/-0.912 χ^2/NDF: 6679.4/33

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -230.739+/-0.860 χ^2/NDF: 11153.5/36

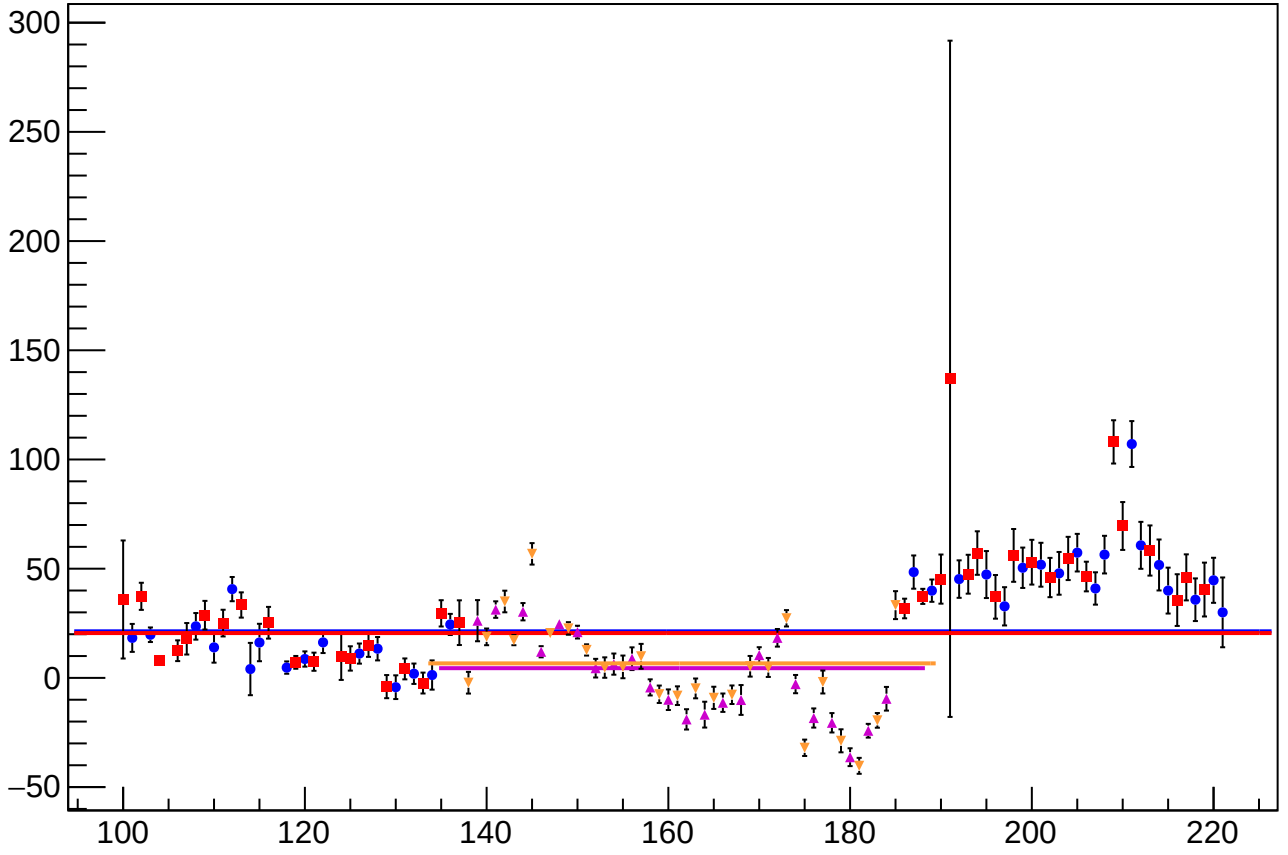
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -225.297+/-0.679 χ^2/NDF: 10768.0/58

All: -228.269+/-0.478 χ^2/NDF: 25120.4/118

- sign -231.180+/-0.672 χ^2/NDF: 14314.5/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 21.321+/-1.044 χ^2/NDF: 327.8/33

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

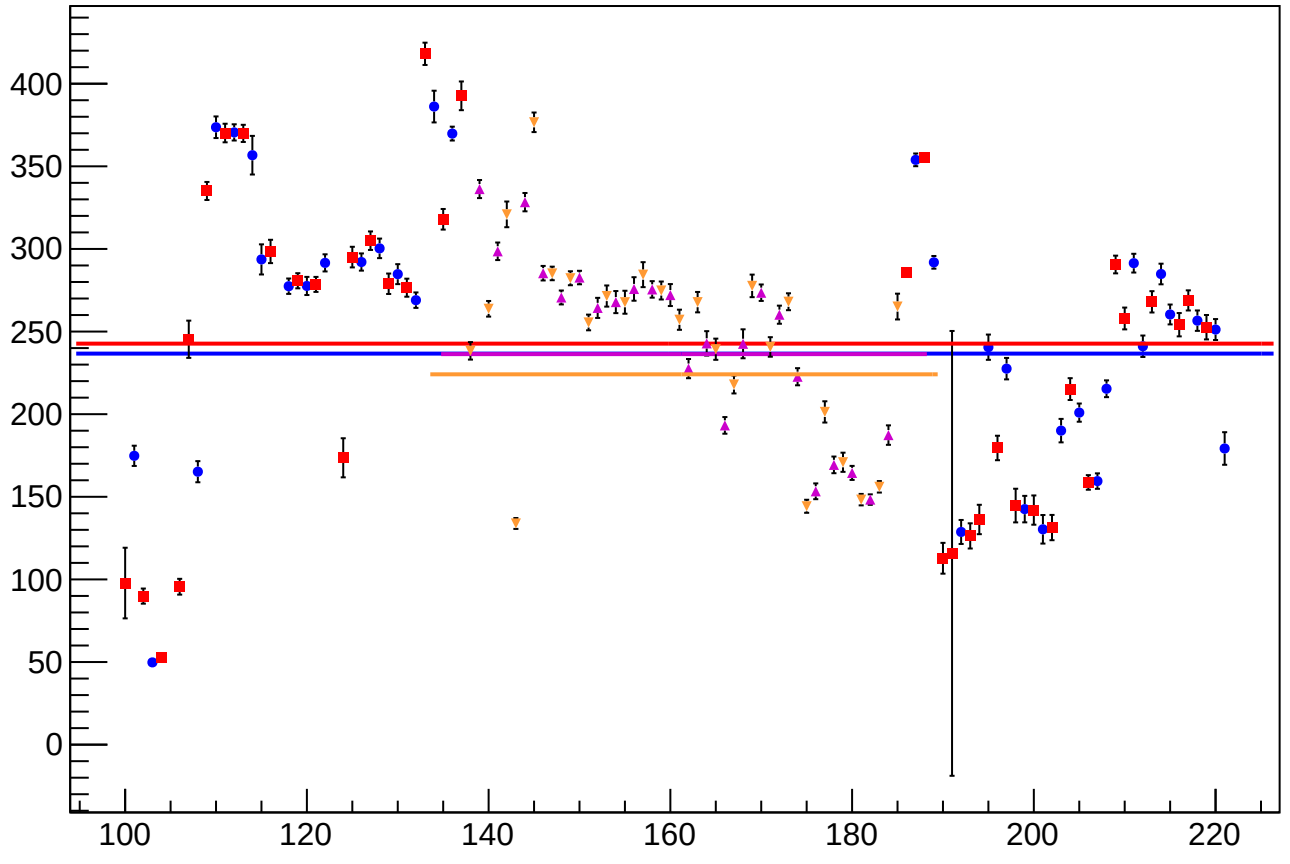
Right Out: 20.524+/-0.963 χ^2/NDF: 377.1/36

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 11.661+/-0.610 χ^2/NDF: 1192.8/58

All: 11.374+/-0.434 χ^2/NDF: 2301.2/118

- sign 11.079+/-0.619 χ^2/NDF: 1107.9/59



Right In: 236.656+/-0.928 χ^2/NDF: 11643.9/33

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.694+/-0.849 χ^2/NDF: 17102.3/36

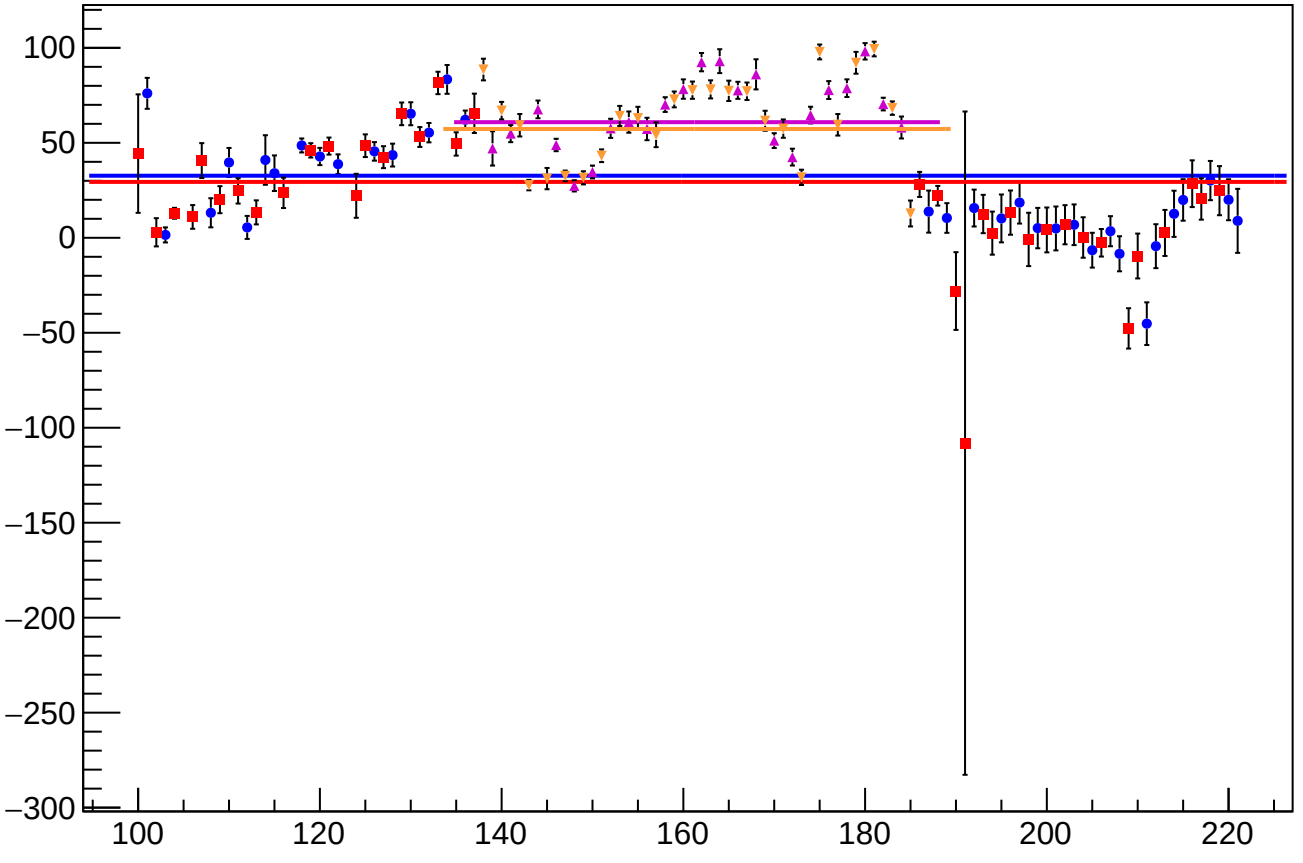
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.942+/-0.684 χ^2/NDF: 15693.7/58

All: 235.725+/-0.477 χ^2/NDF: 35905.5/118

- sign 240.230+/-0.664 χ^2/NDF: 20116.9/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 32.681+/-1.214 χ^2/NDF: 438.5/33

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

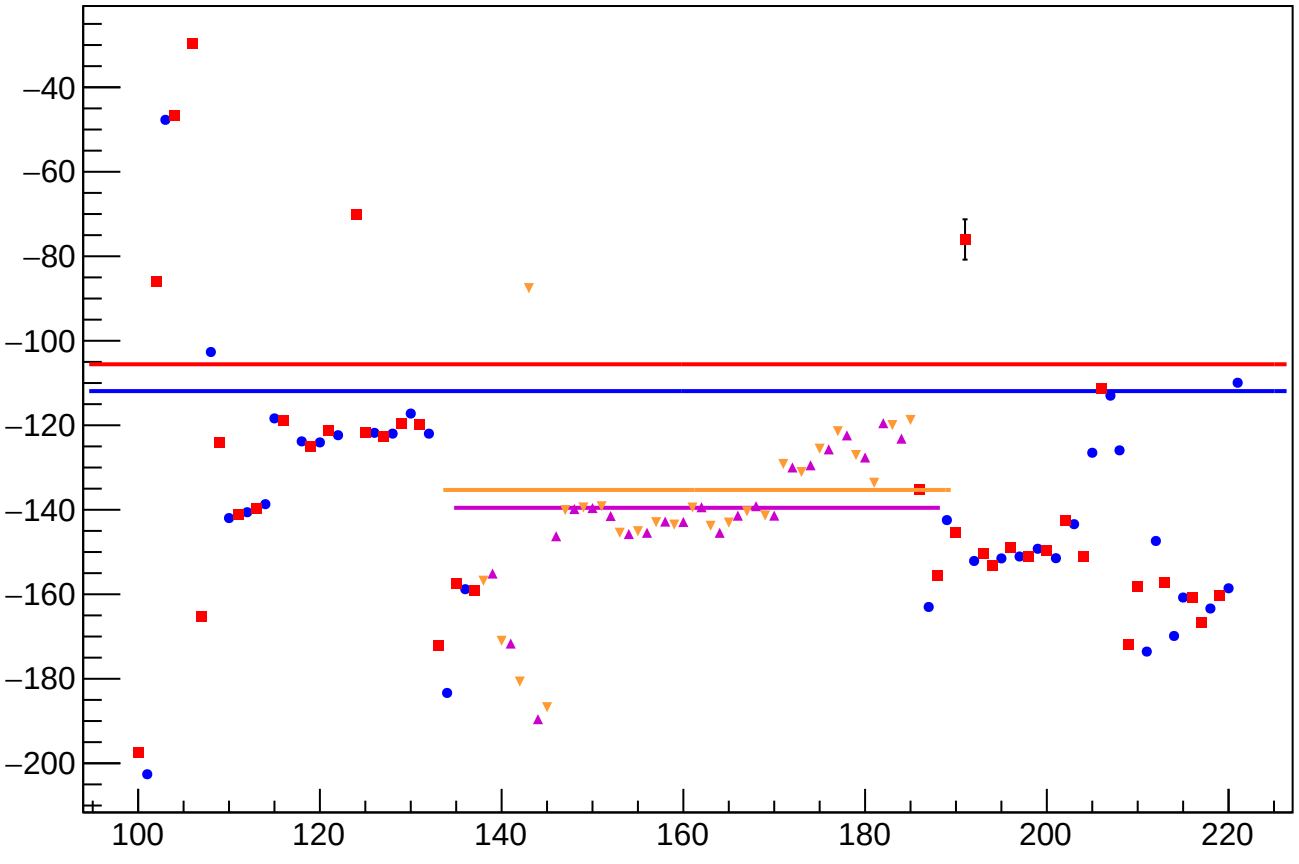
Right Out: 29.429+/-1.149 χ^2/NDF: 407.3/36

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 48.965+/-0.706 χ^2/NDF: 1478.2/58

All: 48.761+/-0.504 χ^2/NDF: 2795.9/118

- sign 48.549+/-0.719 χ^2/NDF: 1317.5/59



Right In: -111.910+/-0.057 χ^2/NDF: 713406.8/33

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

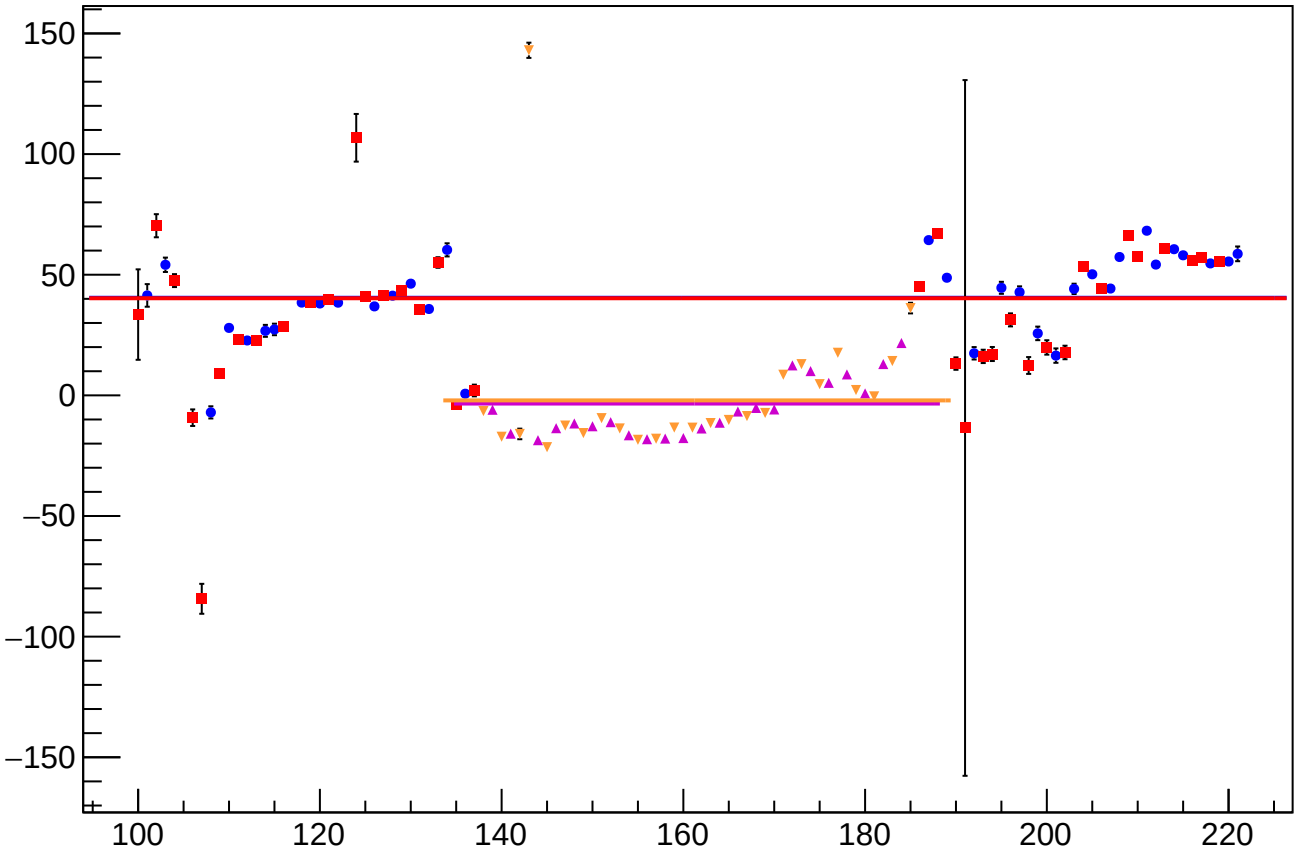
Right Out: -105.560+/-0.055 χ^2/NDF: 777307.3/36

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

\+ sign -127.363+/-0.033 χ^2/NDF: 1089141.0/58

All: -127.173+/-0.023 χ^2/NDF: 2221532.0/11

\- sign -126.978+/-0.033 χ^2/NDF: 1132323.9/59



Right In: 40.441+/-0.305 χ^2/NDF: 3503.9/33

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

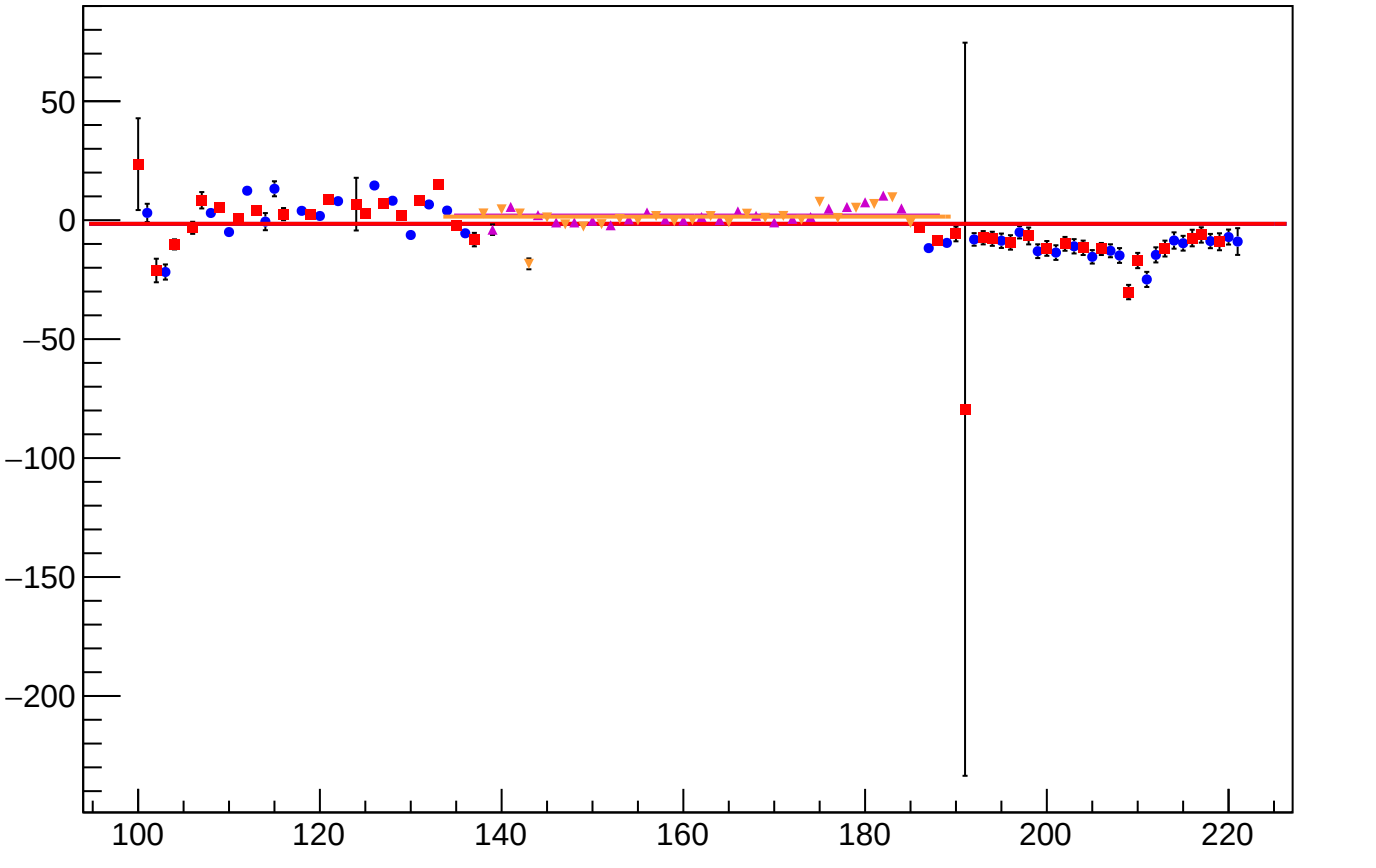
Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/36

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 16.362+/-0.201 χ^2/NDF: 18733.7/58

All: 16.970+/-0.140 χ^2/NDF: 38499.1/118

\- sign 17.548+/-0.196 χ^2/NDF: 19747.5/59



Right In: -1.574+/-0.365 χ^2/NDF: 609.6/33

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

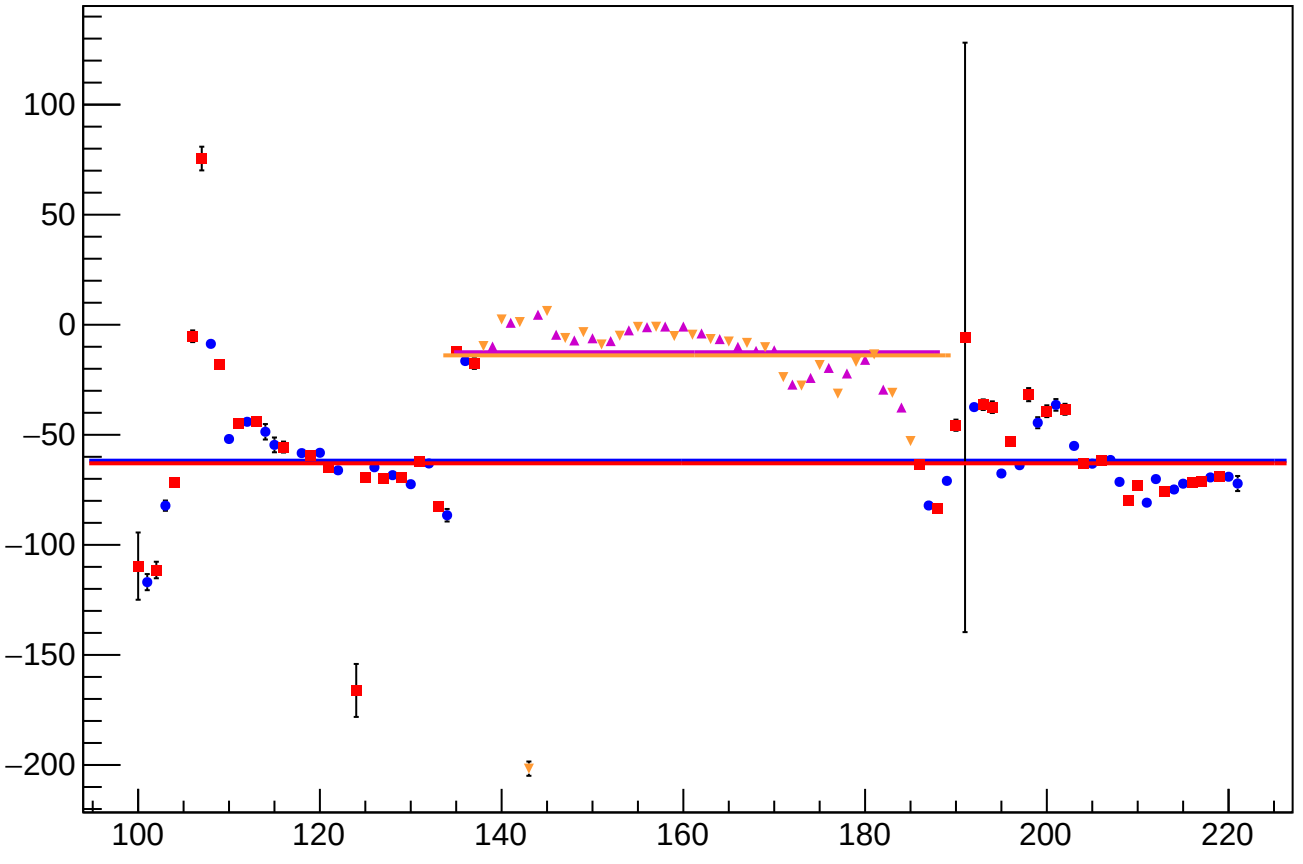
Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.755+/-0.179 χ^2/NDF: 991.7/58

All: 0.876+/-0.127 χ^2/NDF: 1854.7/118

\- sign 0.999+/-0.180 χ^2/NDF: 862.1/59



Right In: -61.756+/-0.318 χ^2/NDF: 3707.0/33

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

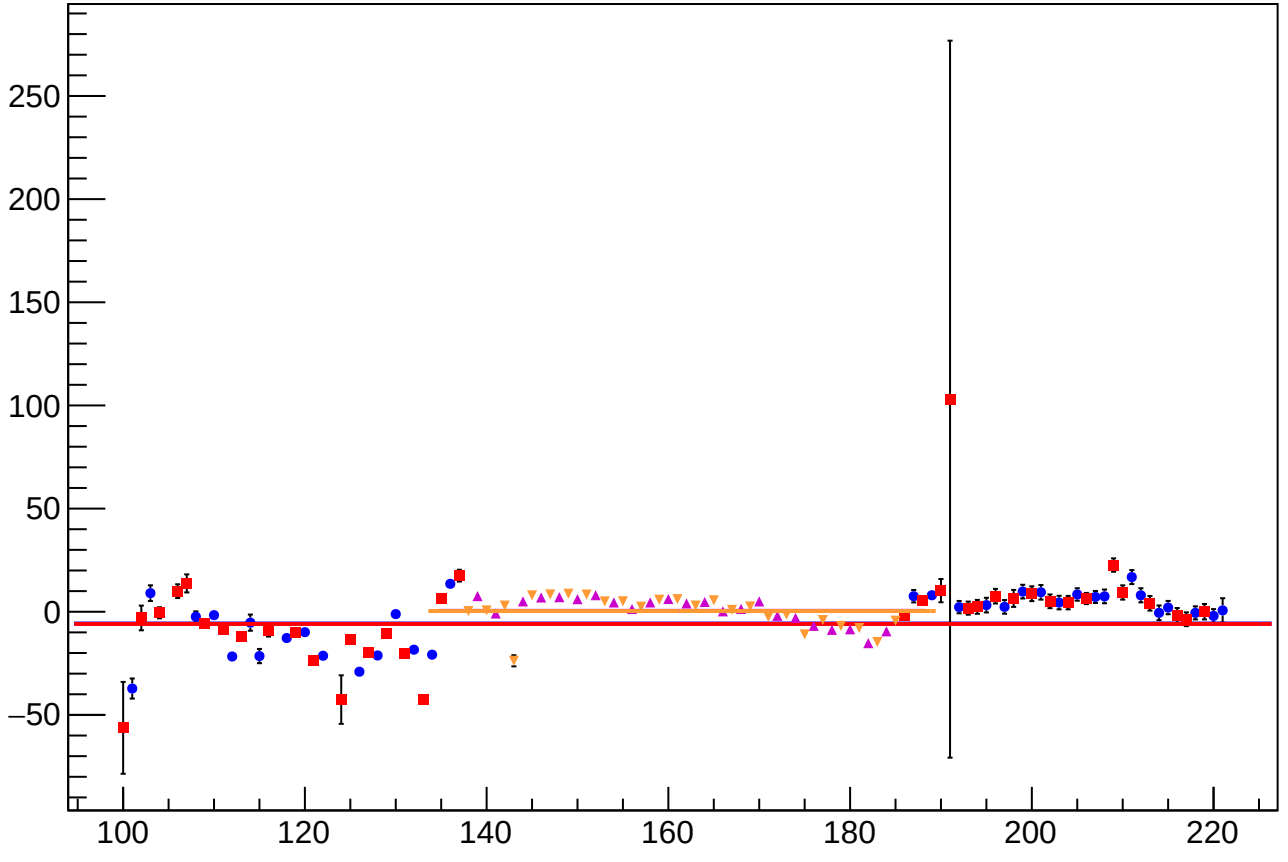
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -33.505+/-0.203 χ^2/NDF: 22217.5/58

All: -35.073+/-0.141 χ^2/NDF: 46264.4/118

\- sign -36.507+/-0.195 χ^2/NDF: 23933.1/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -5.715+/-0.421 χ^2/NDF: 1015.2/33

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

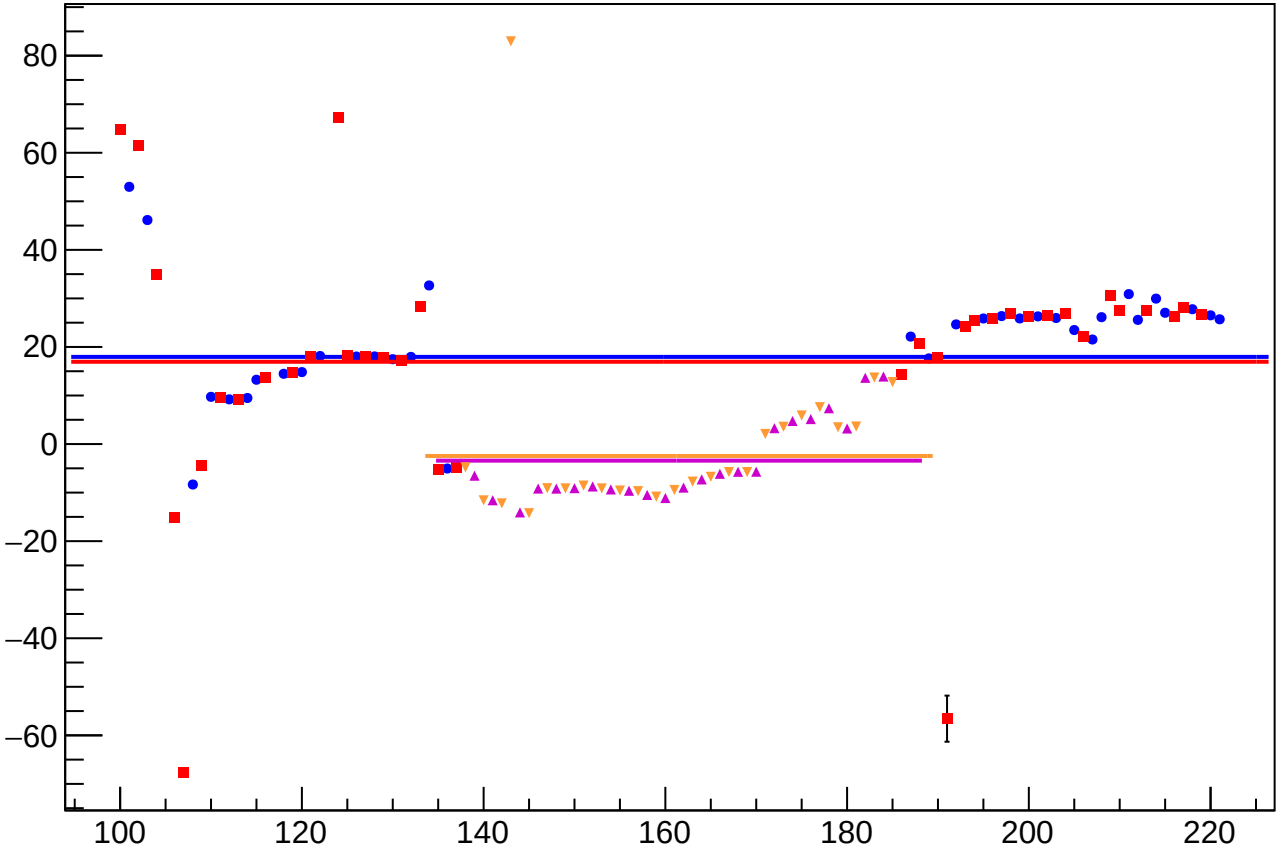
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.059+/-0.203 χ^2/NDF: 2096.2/58

All: -1.096+/-0.144 χ^2/NDF: 4109.8/118

\- sign -1.134+/-0.205 χ^2/NDF: 2013.5/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 17.955+/-0.021 χ^2/NDF: 460714.3/33

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

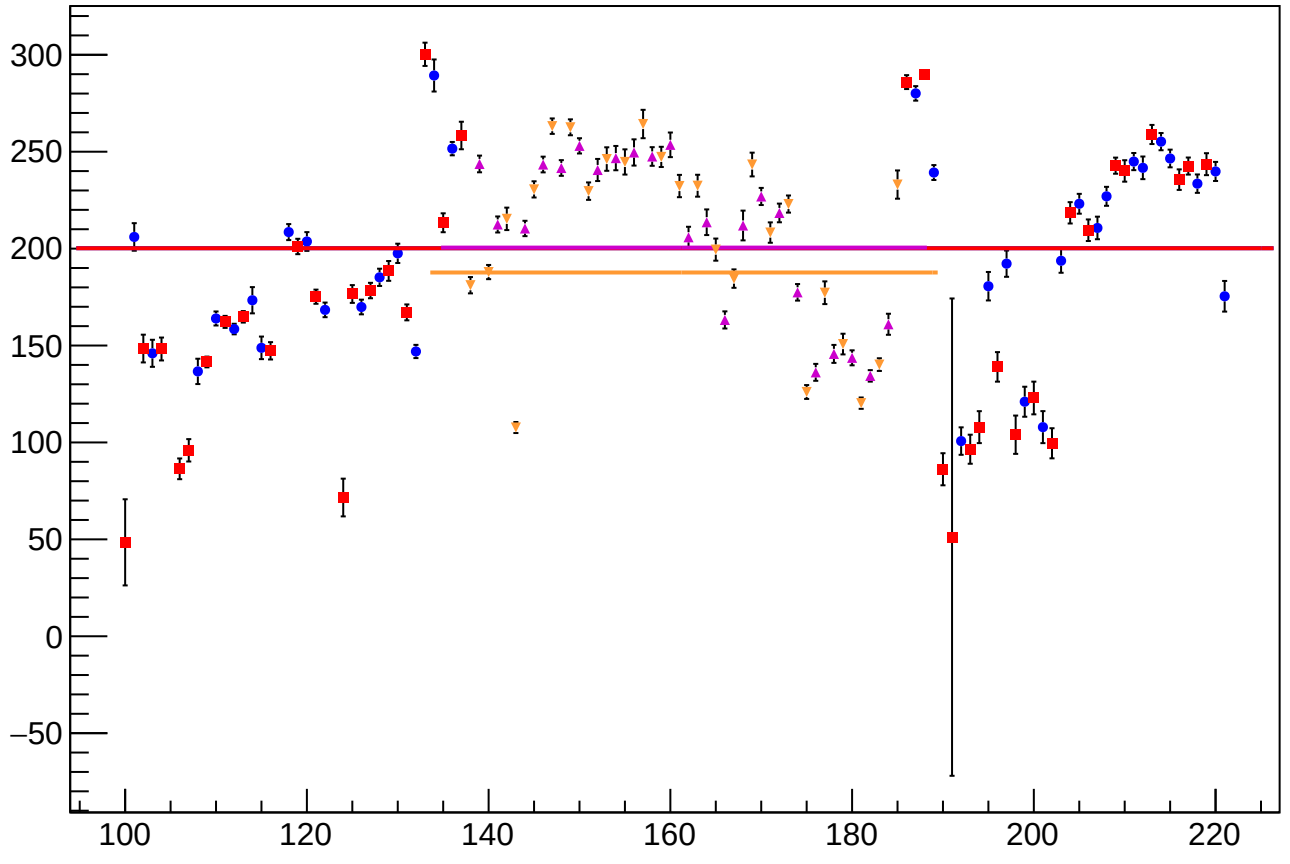
Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.413+/-0.009 χ^2/NDF: 2158363.2/58

All: 0.950+/-0.007 χ^2/NDF: 4021724.1/118

- sign 0.481+/-0.009 χ^2/NDF: 1858404.5/59



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

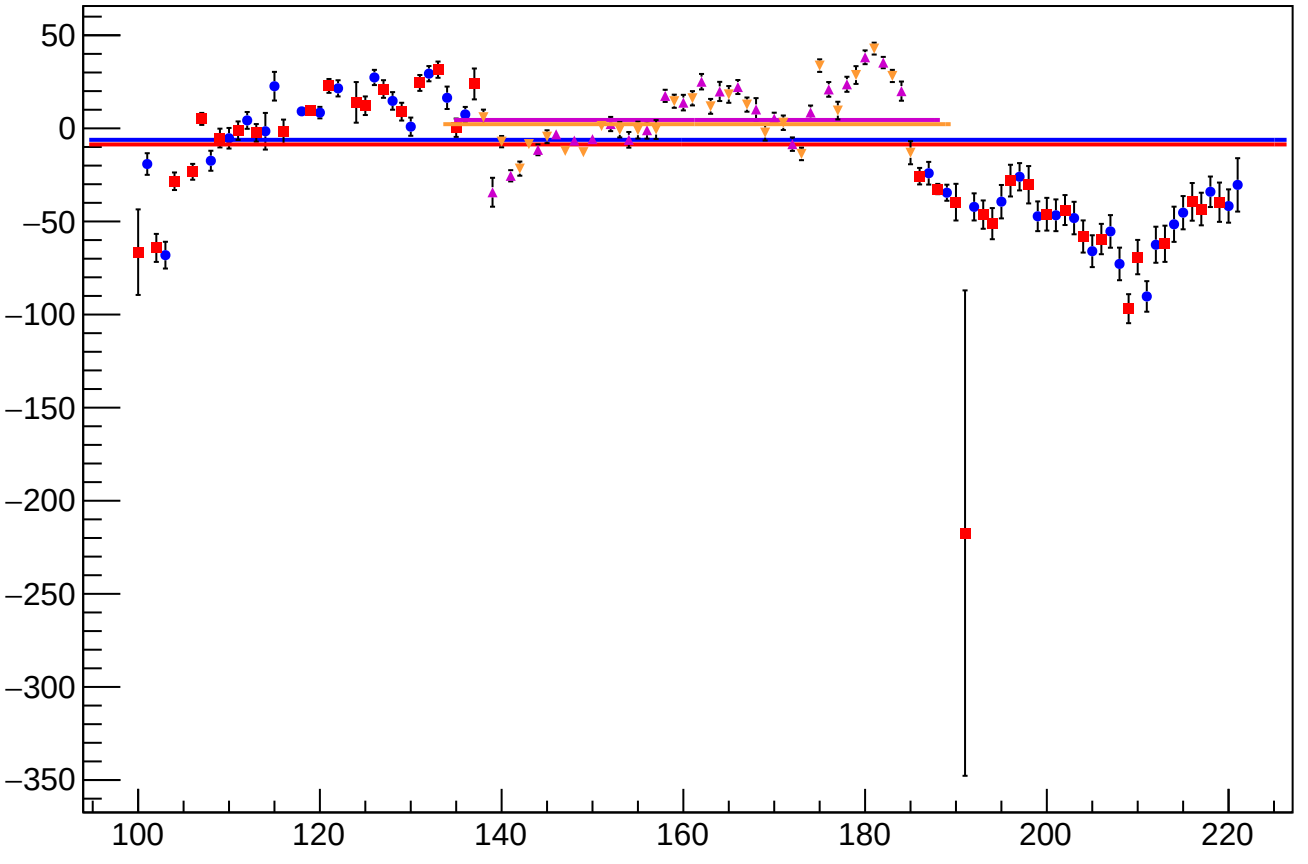
Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 194.515+/-0.605 χ^2/NDF: 6530.3/58

All: 197.458+/-0.425 χ^2/NDF: 15270.2/118

\- sign 200.318+/-0.597 χ^2/NDF: 8693.3/59



Right In: -6.159+/-0.953 χ^2/NDF: 912.9/33

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

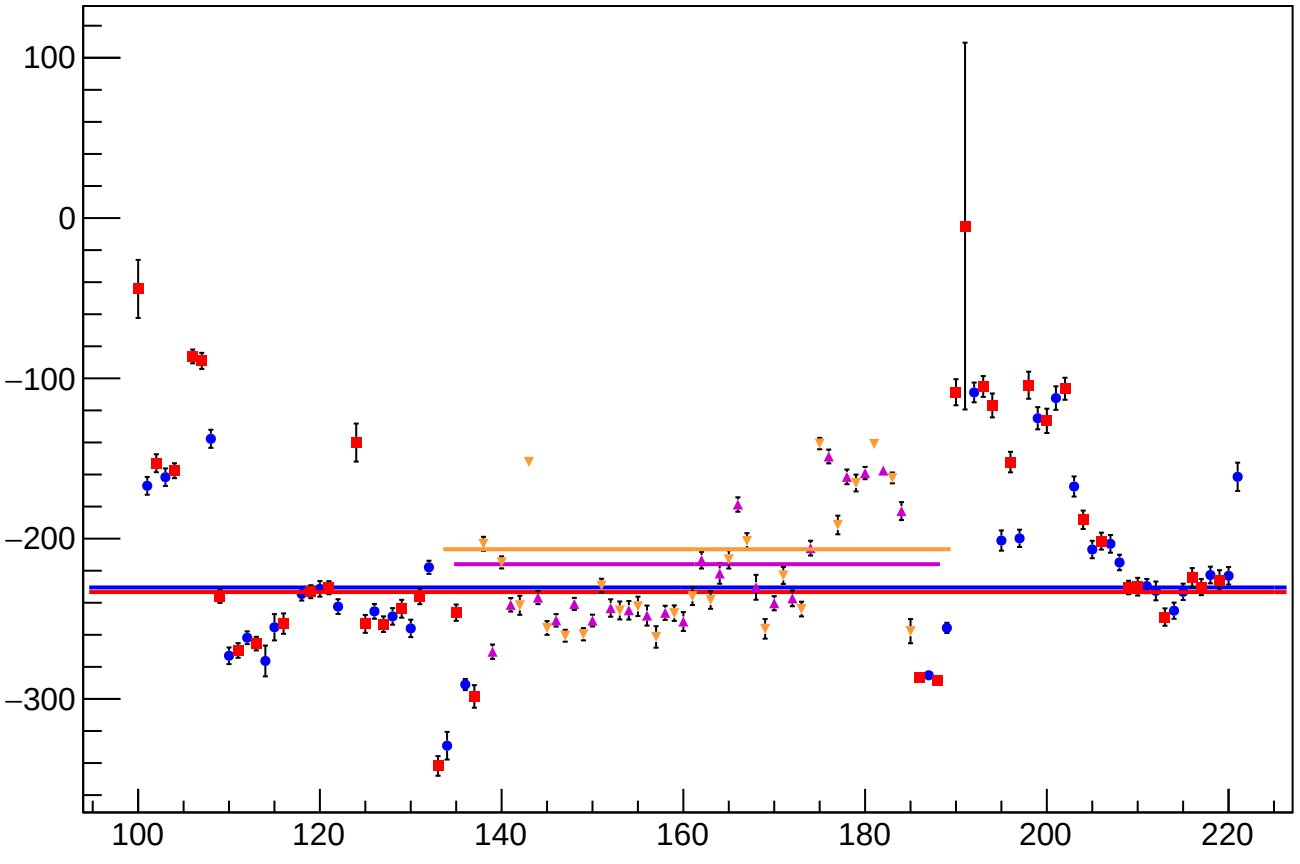
Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.505+/-0.545 χ^2/NDF: 1566.1/58

All: -0.570+/-0.390 χ^2/NDF: 3226.8/118

- sign -0.637+/-0.557 χ^2/NDF: 1660.6/59



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

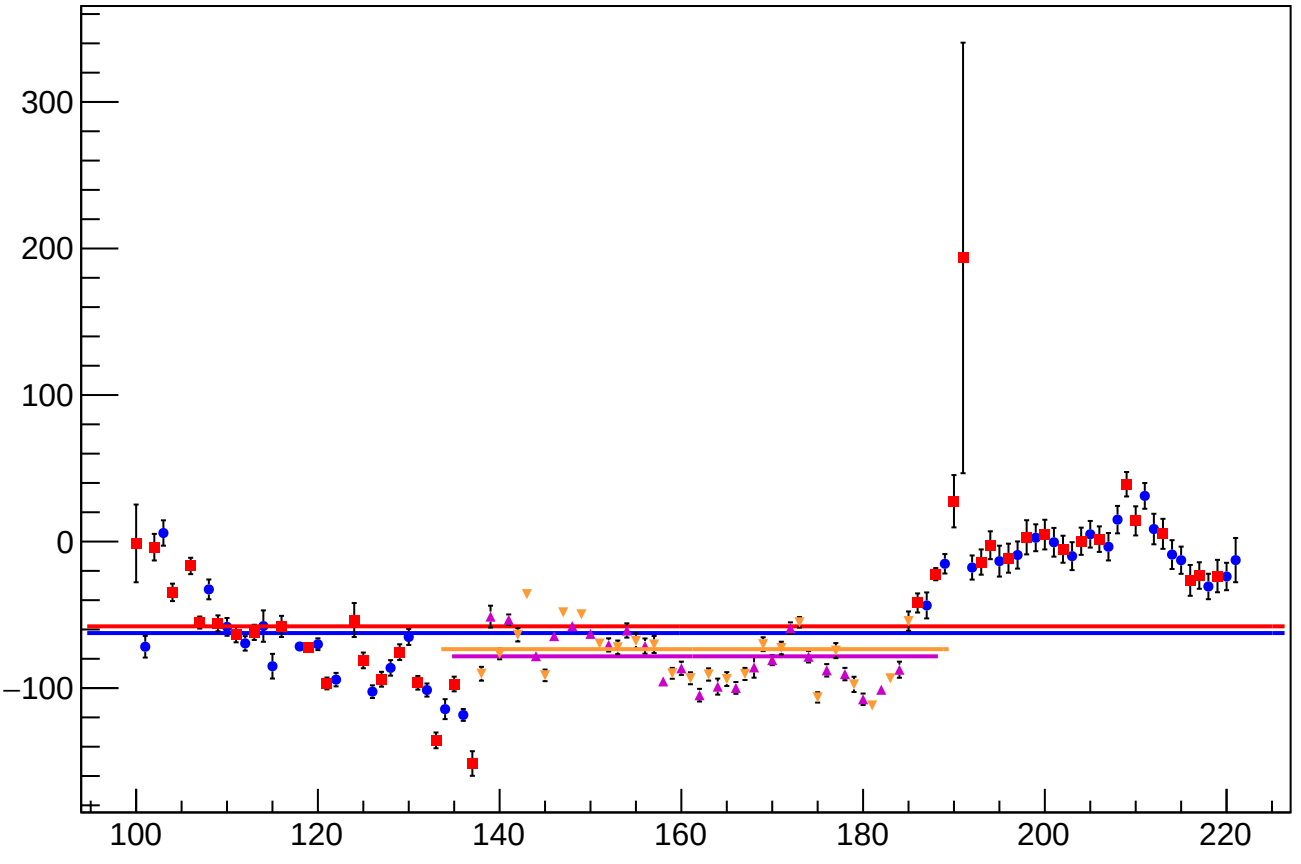
Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.991+/-0.621 χ^2/NDF: 5593.7/58

All: -222.779+/-0.432 χ^2/NDF: 14252.2/118

- sign -226.328+/-0.601 χ^2/NDF: 8586.3/59



Right In: -62.446+/-1.107 χ^2/NDF: 1267.7/33

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

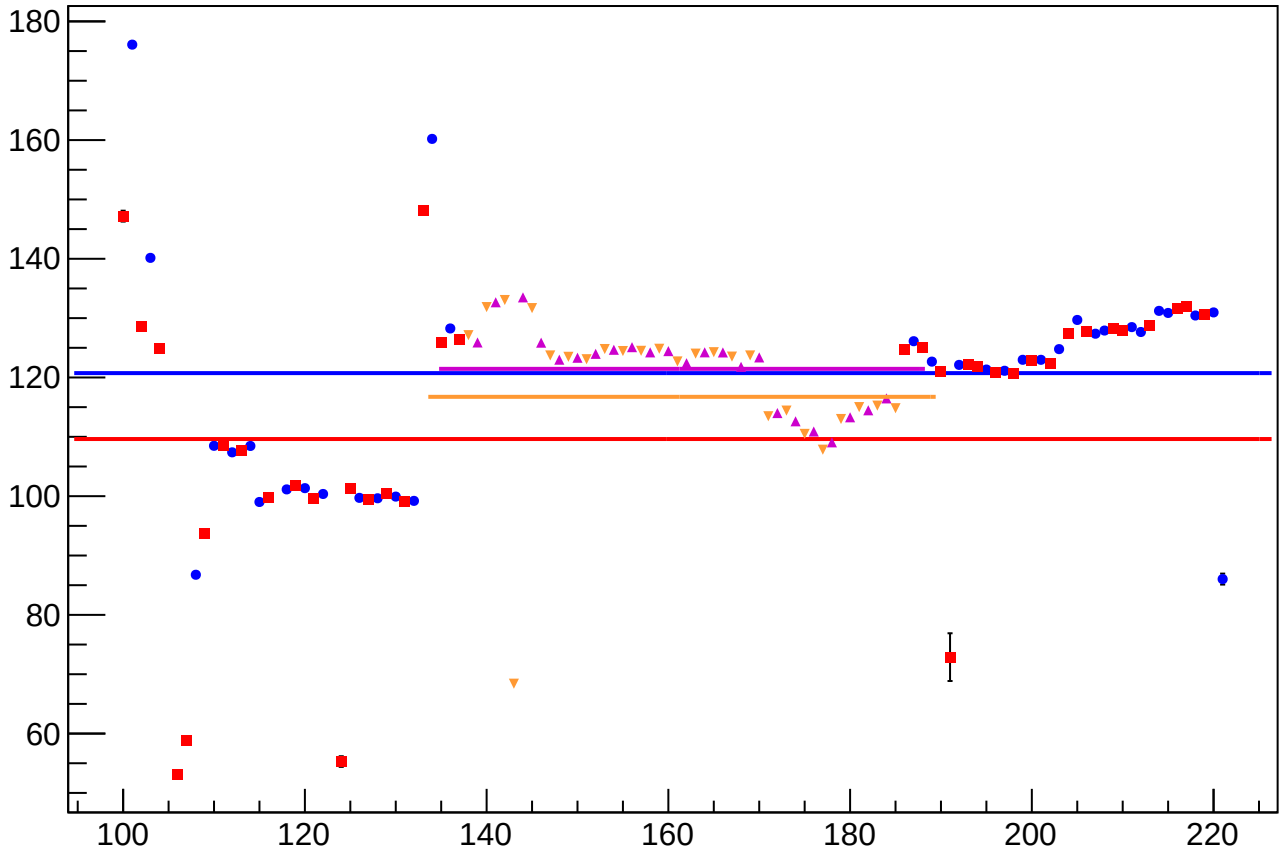
Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.864+/-0.630 χ^2/NDF: 2170.7/58

All: -70.250+/-0.451 χ^2/NDF: 4247.1/118

- sign -70.656+/-0.646 χ^2/NDF: 2075.6/59



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

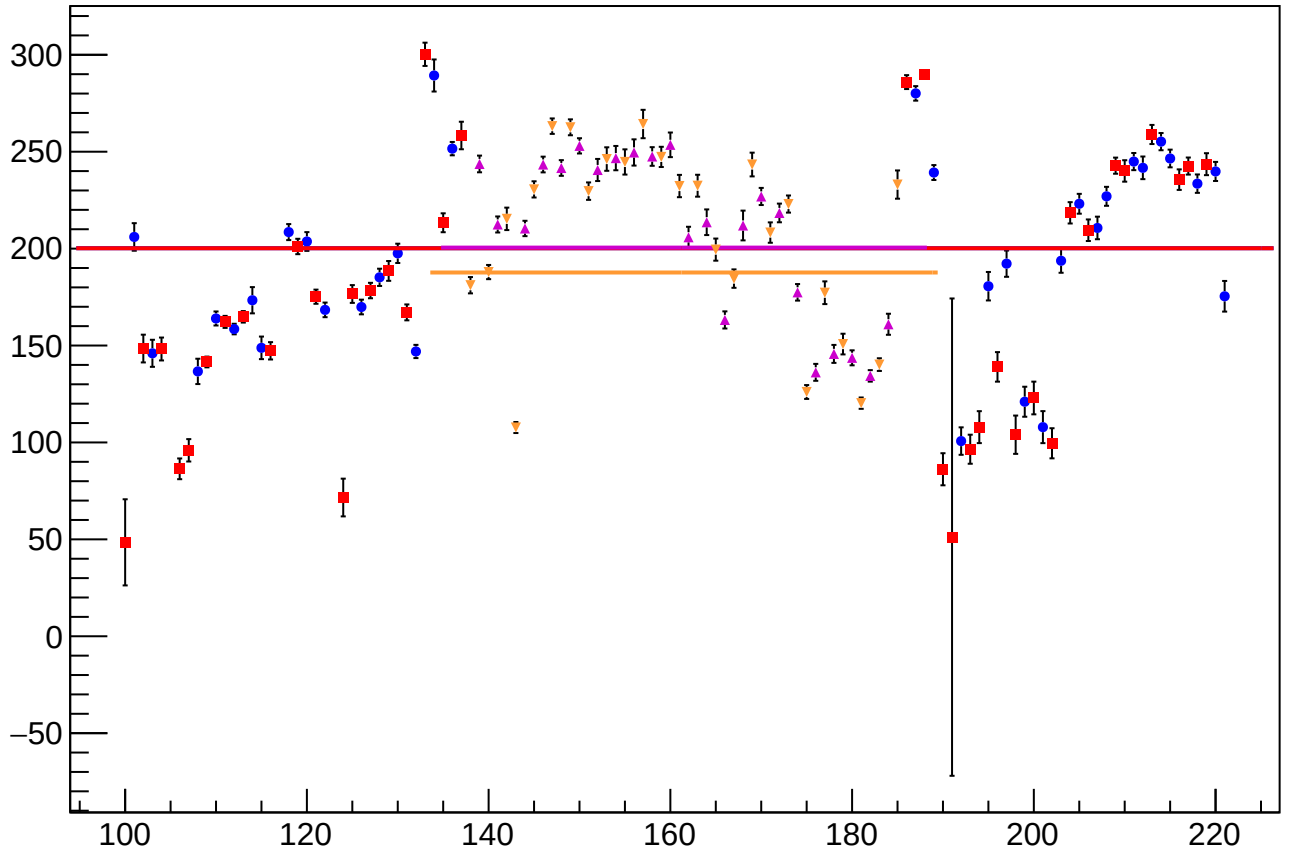
Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.833+/-0.031 χ^2/NDF: 309078.8/58

All: 117.746+/-0.022 χ^2/NDF: 588096.2/118

- sign 117.659+/-0.031 χ^2/NDF: 279001.1/59



Right In: 200.212+/-0.820 χ^2/NDF: 2895.7/33

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

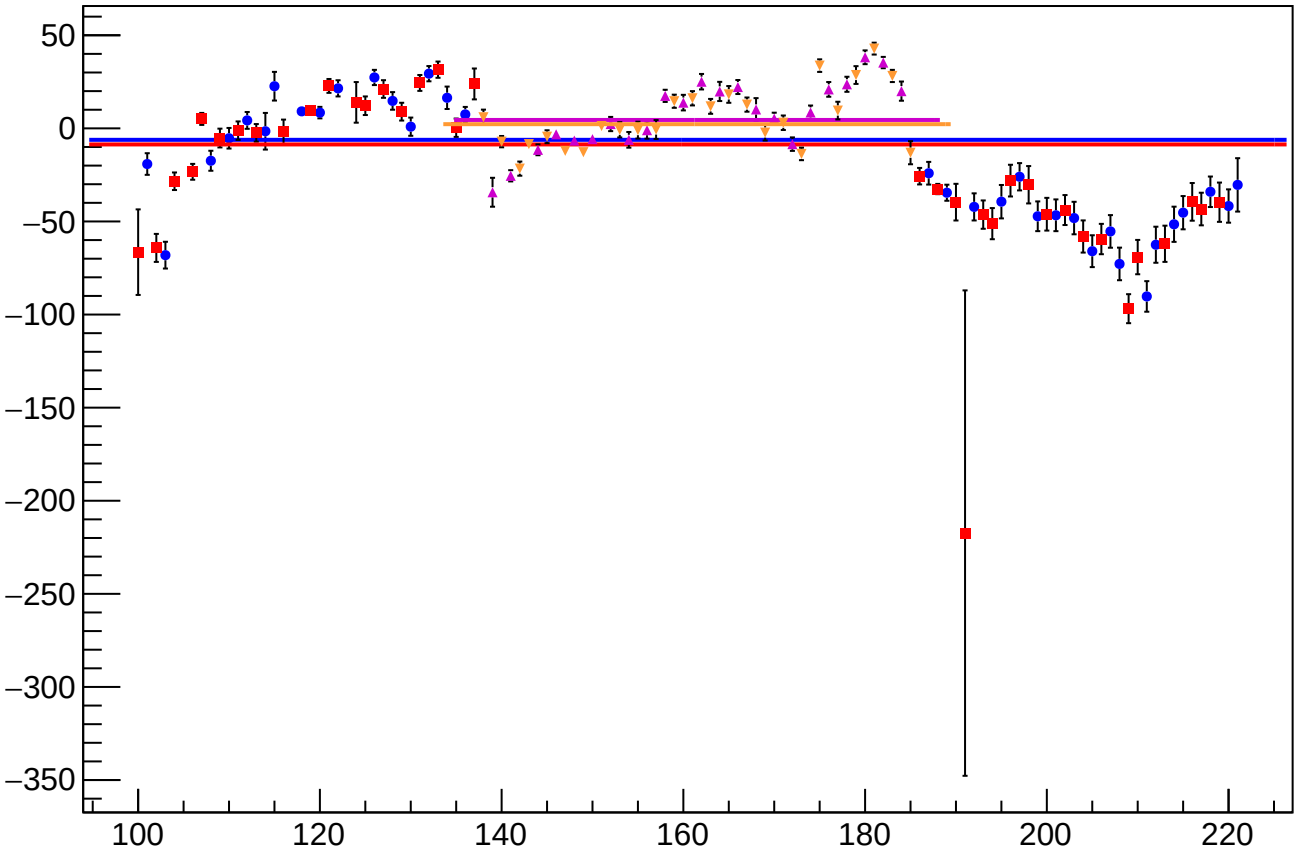
Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 194.515+/-0.605 χ^2/NDF: 6530.3/58

All: 197.458+/-0.425 χ^2/NDF: 15270.2/118

- sign 200.318+/-0.597 χ^2/NDF: 8693.3/59



Right In: -6.159+/-0.953 χ^2/NDF: 912.9/33

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

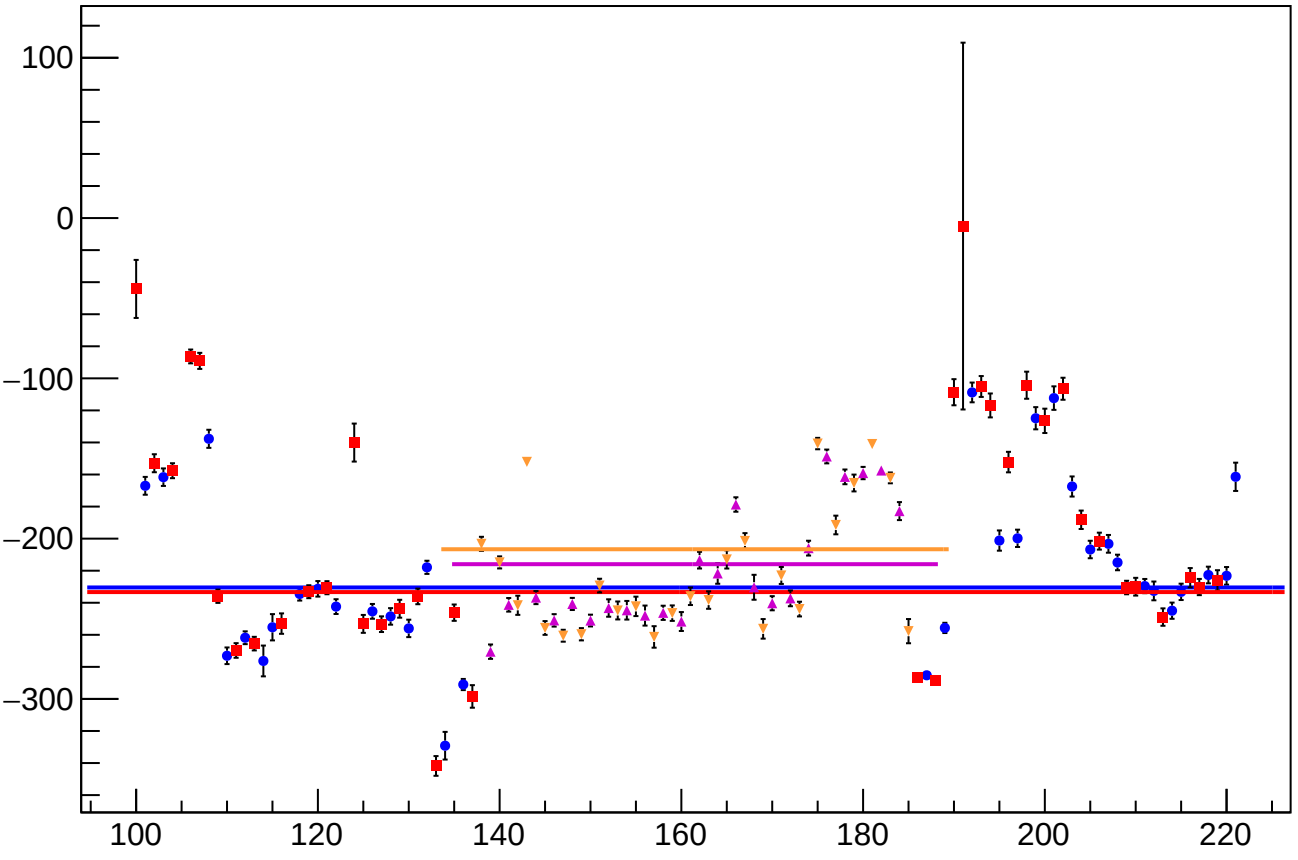
Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.505+/-0.545 χ^2/NDF: 1566.1/58

All: -0.570+/-0.390 χ^2/NDF: 3226.8/118

- sign -0.637+/-0.557 χ^2/NDF: 1660.6/59



Right In: -230.460+/-0.861 χ^2/NDF: 2757.4/33

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

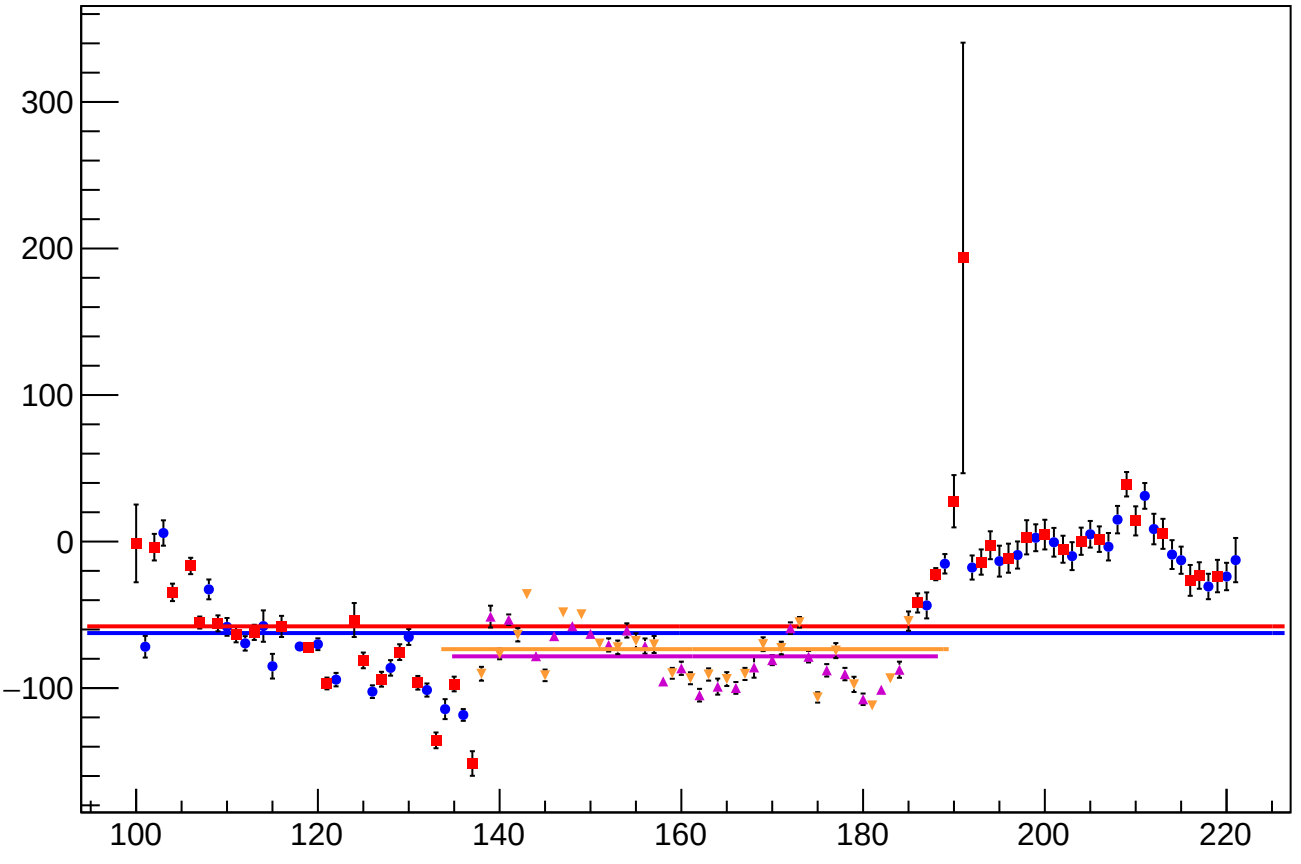
Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.991+/-0.621 χ^2/NDF: 5593.7/58

All: -222.779+/-0.432 χ^2/NDF: 14252.2/118

- sign -226.328+/-0.601 χ^2/NDF: 8586.3/59



Right In: -62.446+/-1.107 χ^2/NDF: 1267.7/33

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

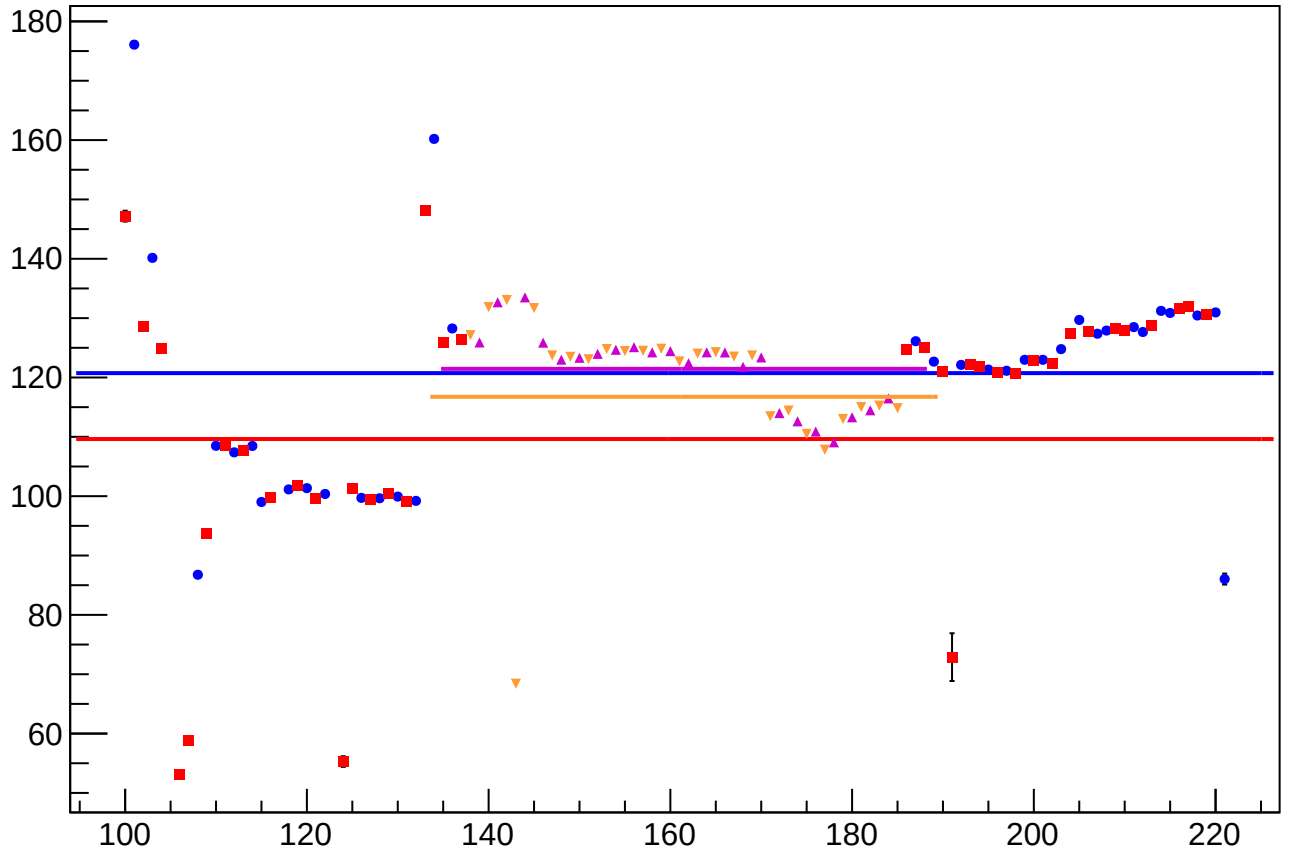
Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.864+/-0.630 χ^2/NDF: 2170.7/58

All: -70.250+/-0.451 χ^2/NDF: 4247.1/118

- sign -70.656+/-0.646 χ^2/NDF: 2075.6/59



Right In: 120.735+/-0.058 χ^2/NDF: 102025.7/33

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

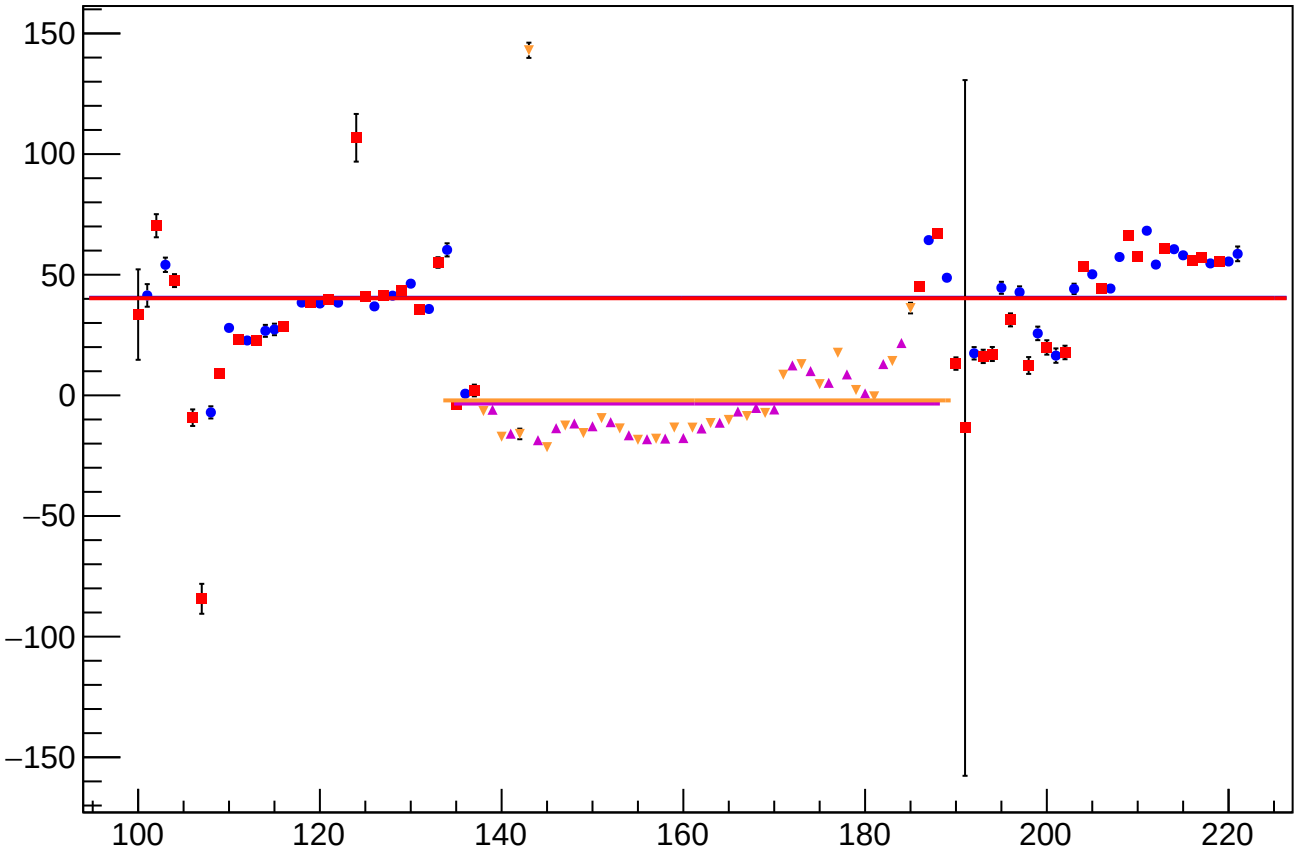
Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.833+/-0.031 χ^2/NDF: 309078.8/58

All: 117.746+/-0.022 χ^2/NDF: 588096.2/118

- sign 117.659+/-0.031 χ^2/NDF: 279001.1/59



Right In: 40.441+/-0.305 χ^2/NDF: 3503.9/33

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/36

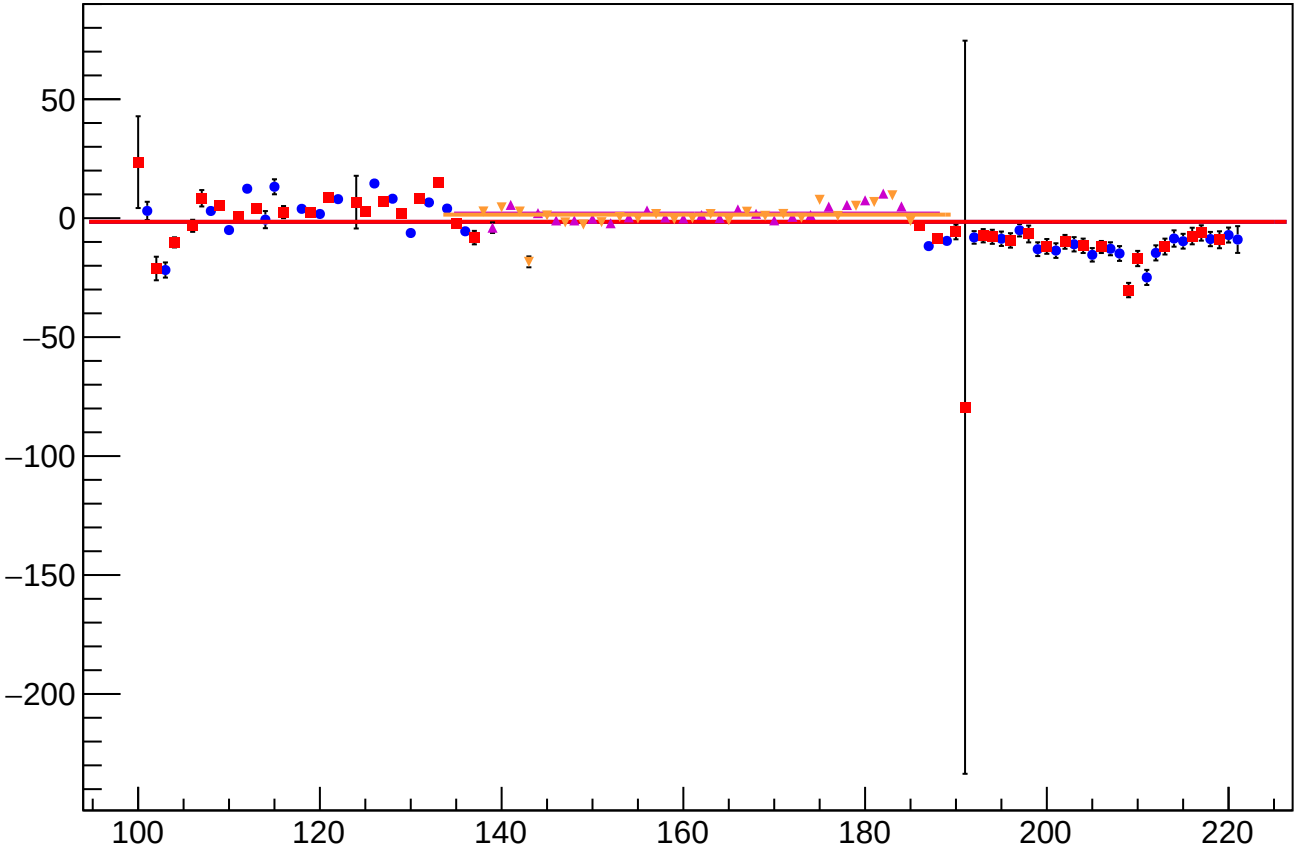
Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 16.362+/-0.201 χ^2/NDF: 18733.7/58

All: 16.970+/-0.140 χ^2/NDF: 38499.1/118

- sign 17.548+/-0.196 χ^2/NDF: 19747.5/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.574+/-0.365 χ^2/NDF: 609.6/33

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

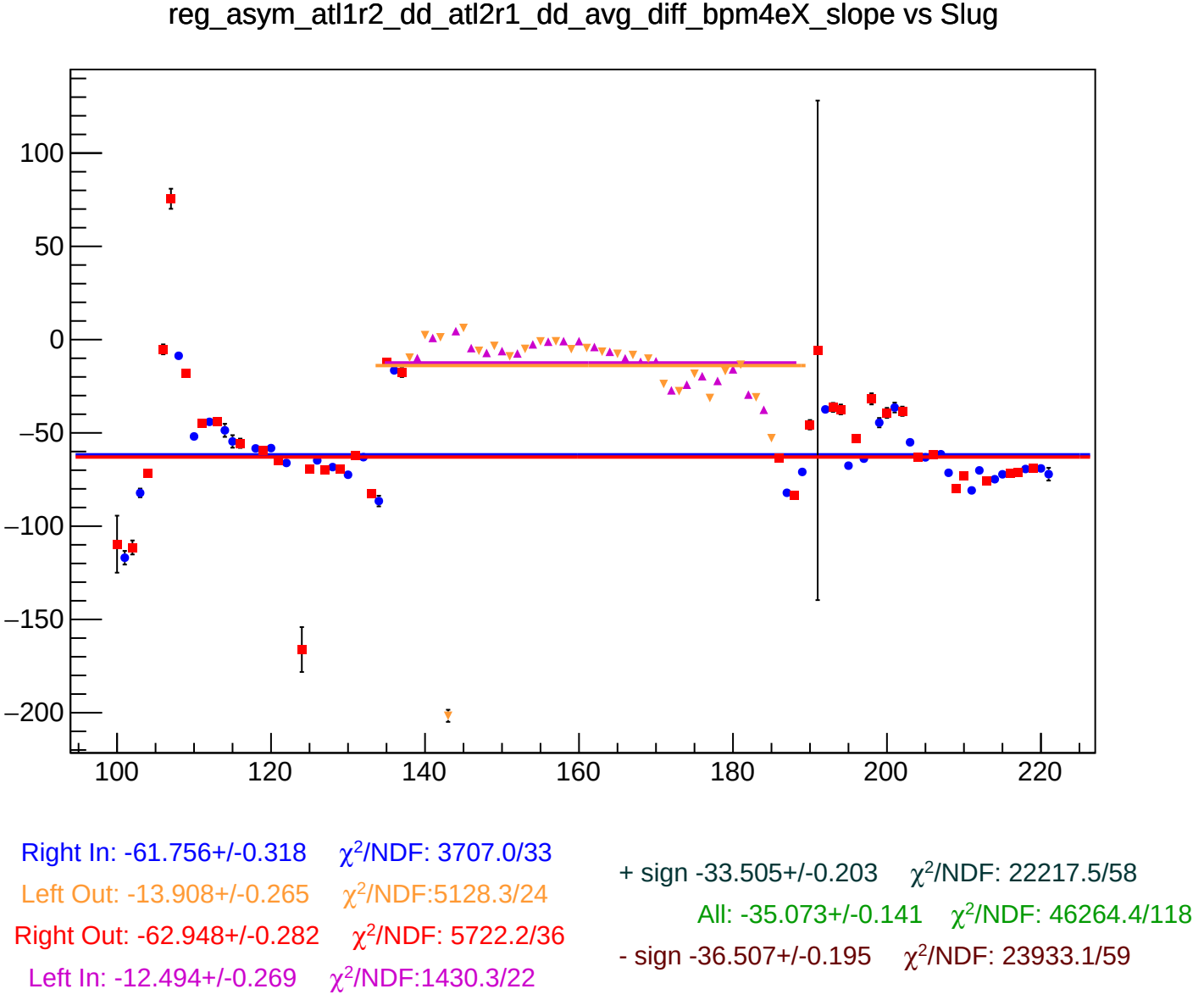
Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

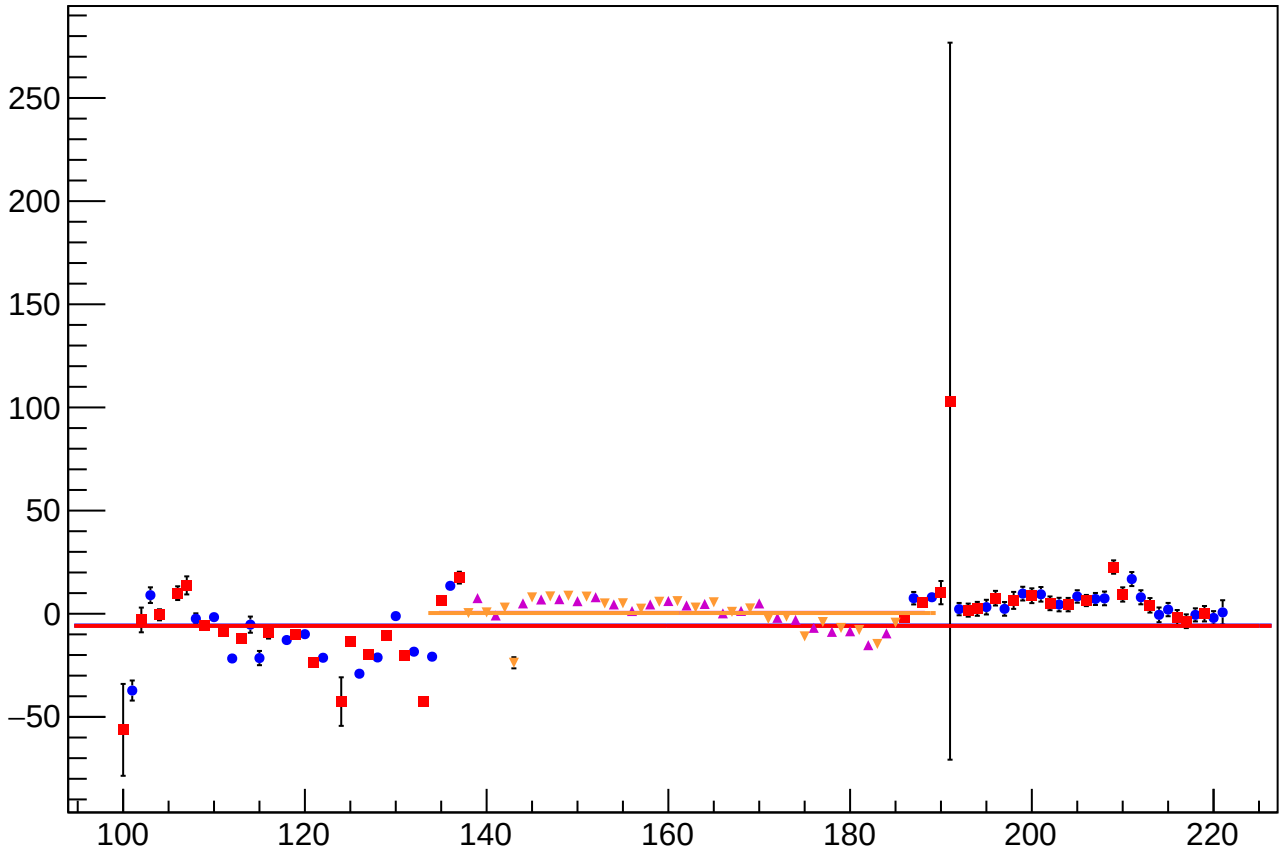
Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.755+/-0.179 χ^2/NDF: 991.7/58

All: 0.876+/-0.127 χ^2/NDF: 1854.7/118

\- sign 0.999+/-0.180 χ^2/NDF: 862.1/59


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: -61.756+/-0.318 χ²/NDF: 3707.0/33
Left Out: -13.908+/-0.265 χ²/NDF:5128.3/24
Right Out: -62.948+/-0.282 χ²/NDF: 5722.2/36
Left In: -12.494+/-0.269 χ²/NDF:1430.3/22
+ sign -33.505+/-0.203 χ²/NDF: 22217.5/58
All: -35.073+/-0.141 χ²/NDF: 46264.4/118
- sign -36.507+/-0.195 χ²/NDF: 23933.1/59



Right In: -5.715+/-0.421 χ^2/NDF: 1015.2/33

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

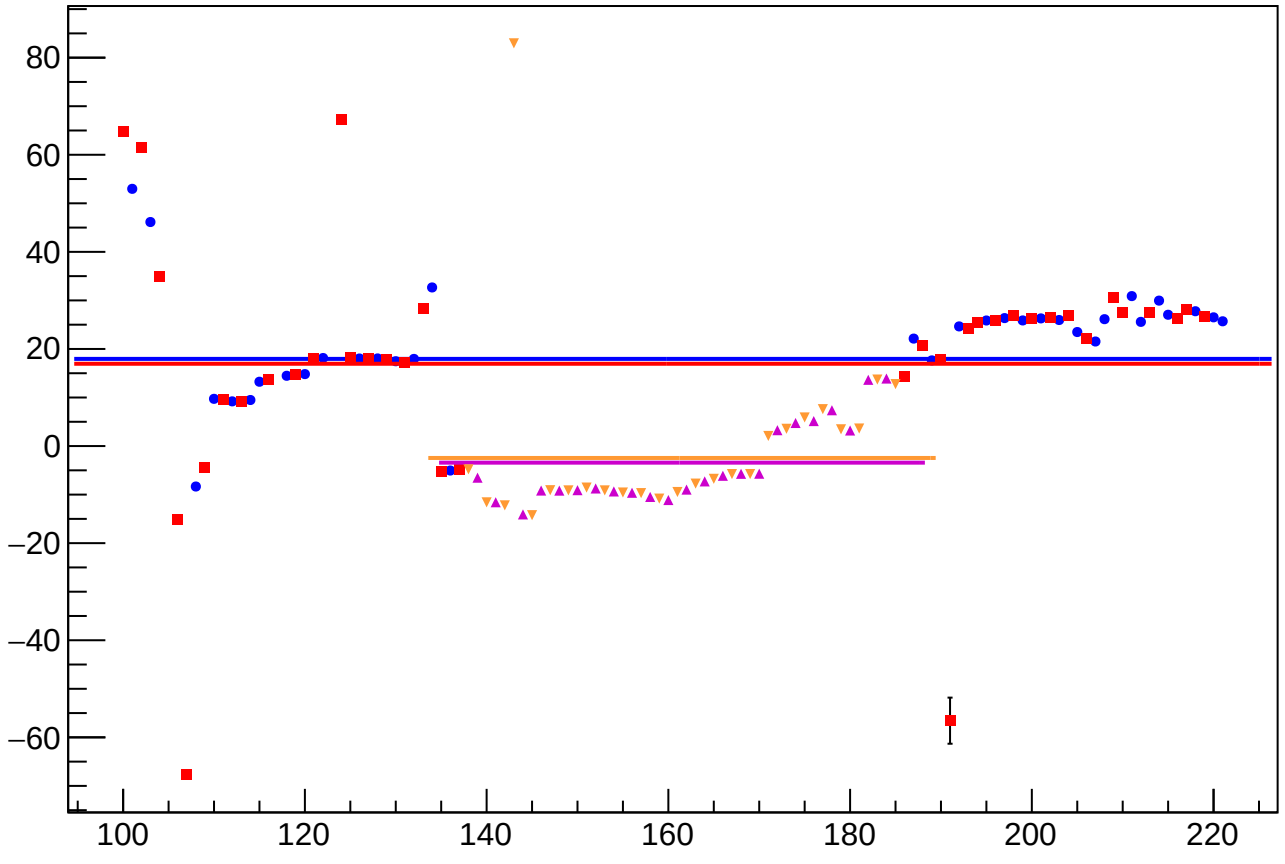
Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.059+/-0.203 χ^2/NDF: 2096.2/58

All: -1.096+/-0.144 χ^2/NDF: 4109.8/118

\- sign -1.134+/-0.205 χ^2/NDF: 2013.5/59



Right In: 17.955+/-0.021 χ^2/NDF: 460714.3/33

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

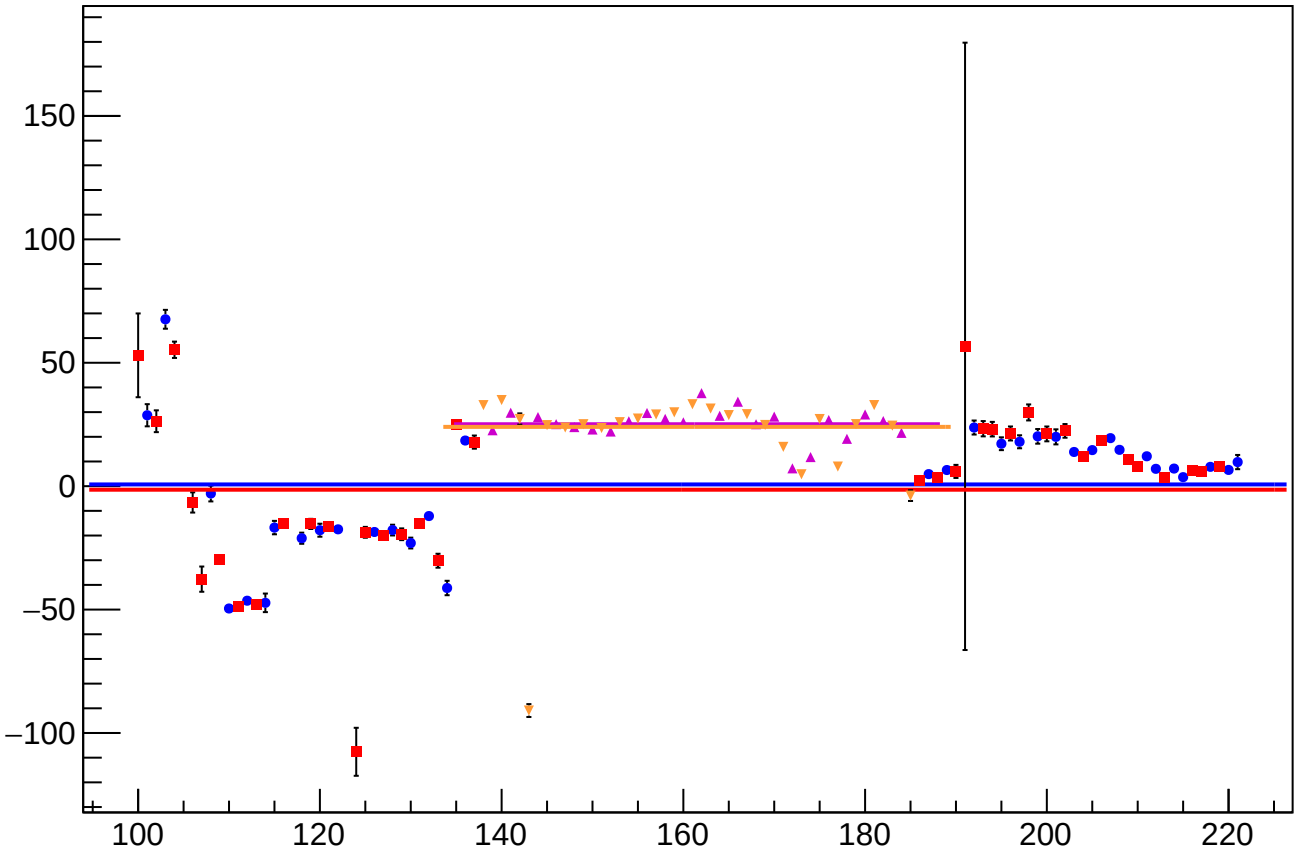
Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.413+/-0.009 χ^2/NDF: 2158363.2/58

All: 0.950+/-0.007 χ^2/NDF: 4021724.1/118

- sign 0.481+/-0.009 χ^2/NDF: 1858404.5/59



Right In: 0.702+/-0.338 χ^2/NDF: 3756.8/33

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

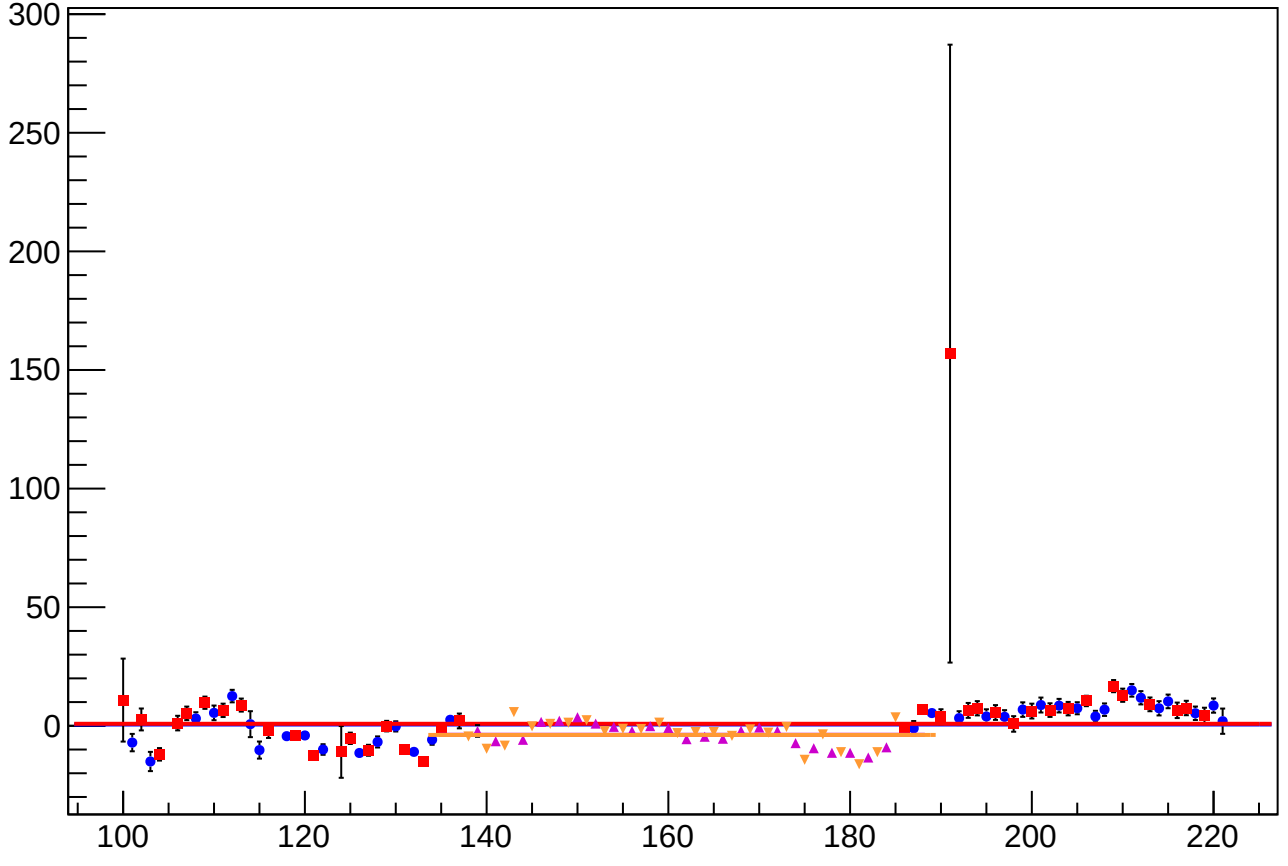
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 14.436+/-0.216 χ^2/NDF: 9370.8/58

All: 14.078+/-0.153 χ^2/NDF: 17498.2/118

\- sign 13.718+/-0.217 χ^2/NDF: 8121.9/59

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.553+/-0.425 χ^2/NDF: 296.8/33

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

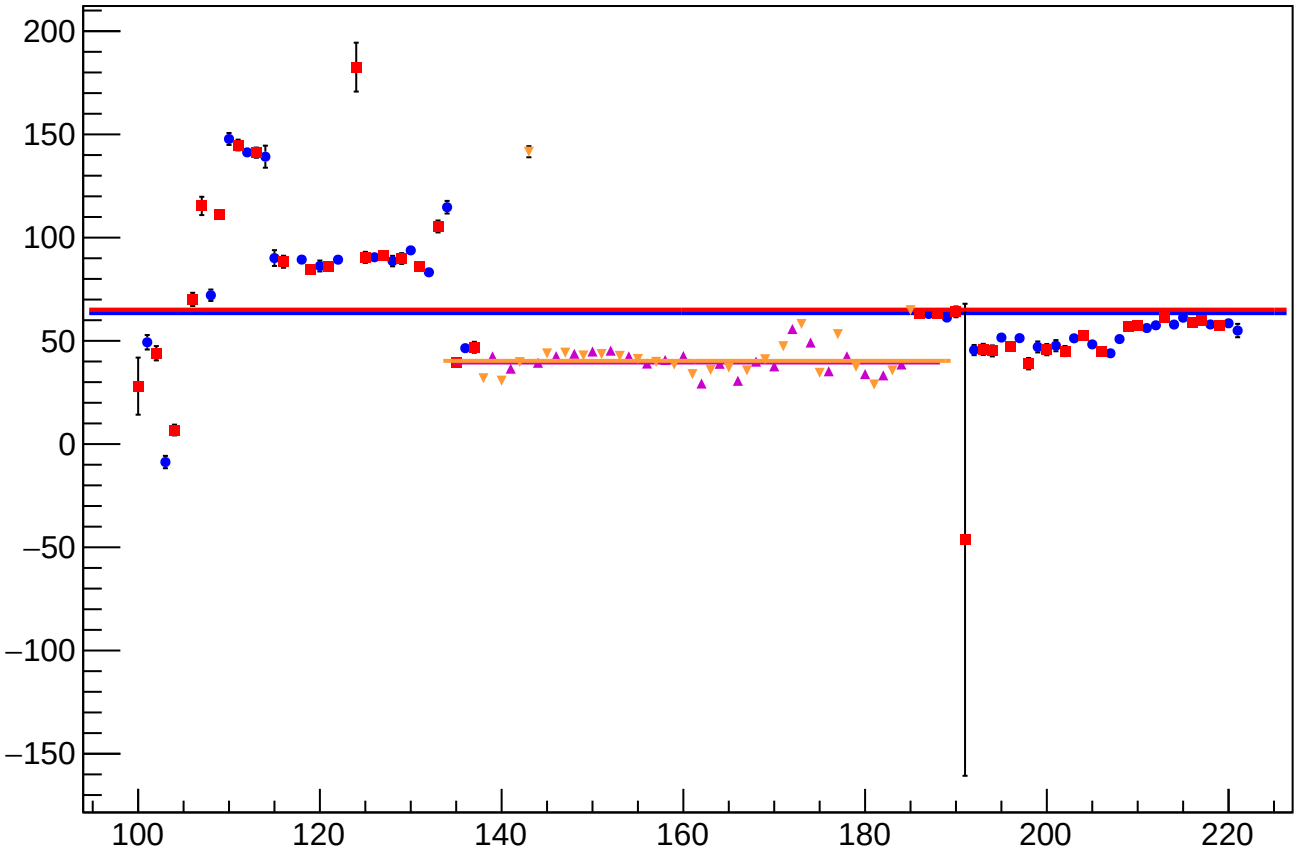
Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -2.931+/-0.194 χ^2/NDF: 1030.9/58

All: -2.839+/-0.138 χ^2/NDF: 2001.8/118

- sign -2.744+/-0.197 χ^2/NDF: 970.4/59



Right In: 63.409+/-0.351 χ^2/NDF: 4703.3/33

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

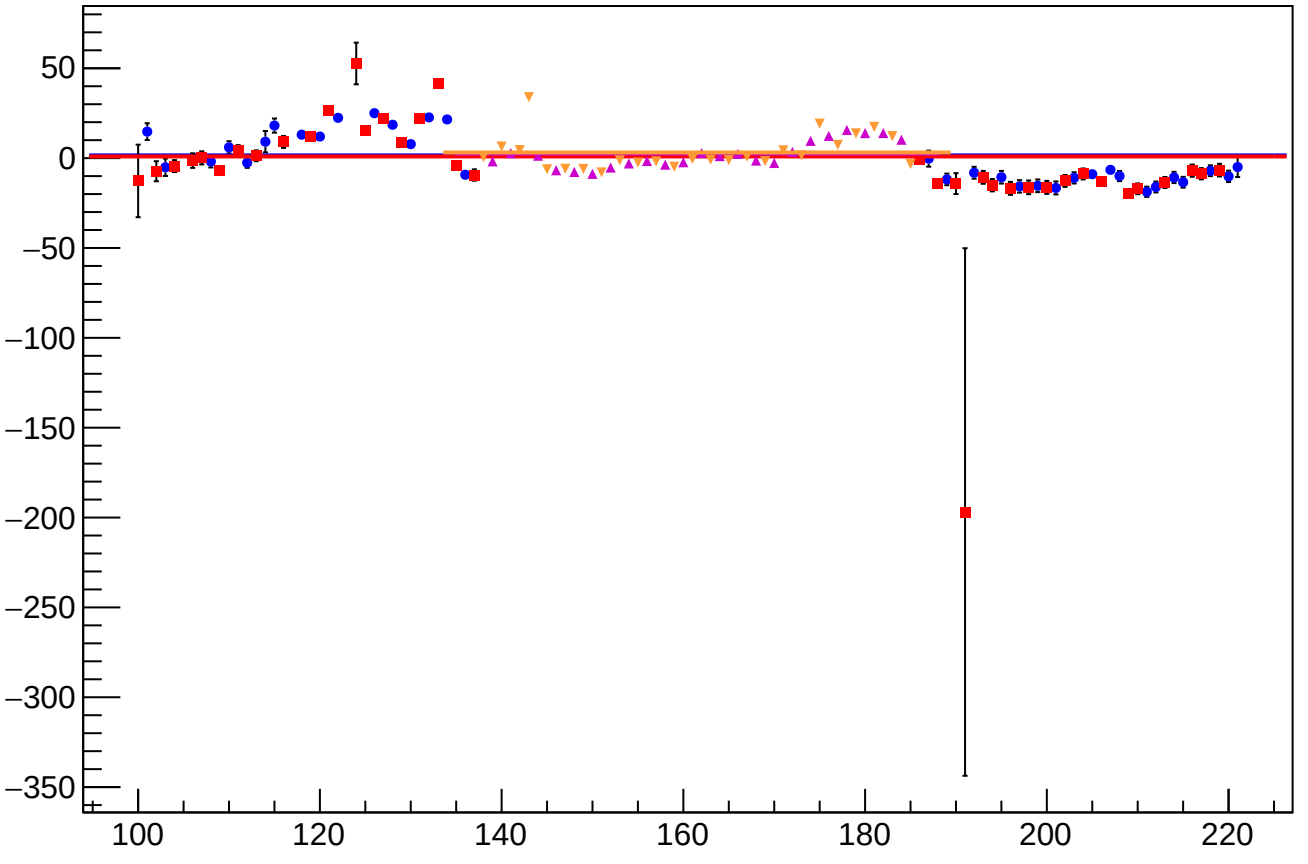
Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 49.315+/-0.219 χ^2/NDF: 9534.3/58

All: 49.782+/-0.154 χ^2/NDF: 18242.1/118

\- sign 50.240+/-0.217 χ^2/NDF: 8698.8/59



Right In: 1.540+/-0.482 χ^2/NDF: 874.8/33

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

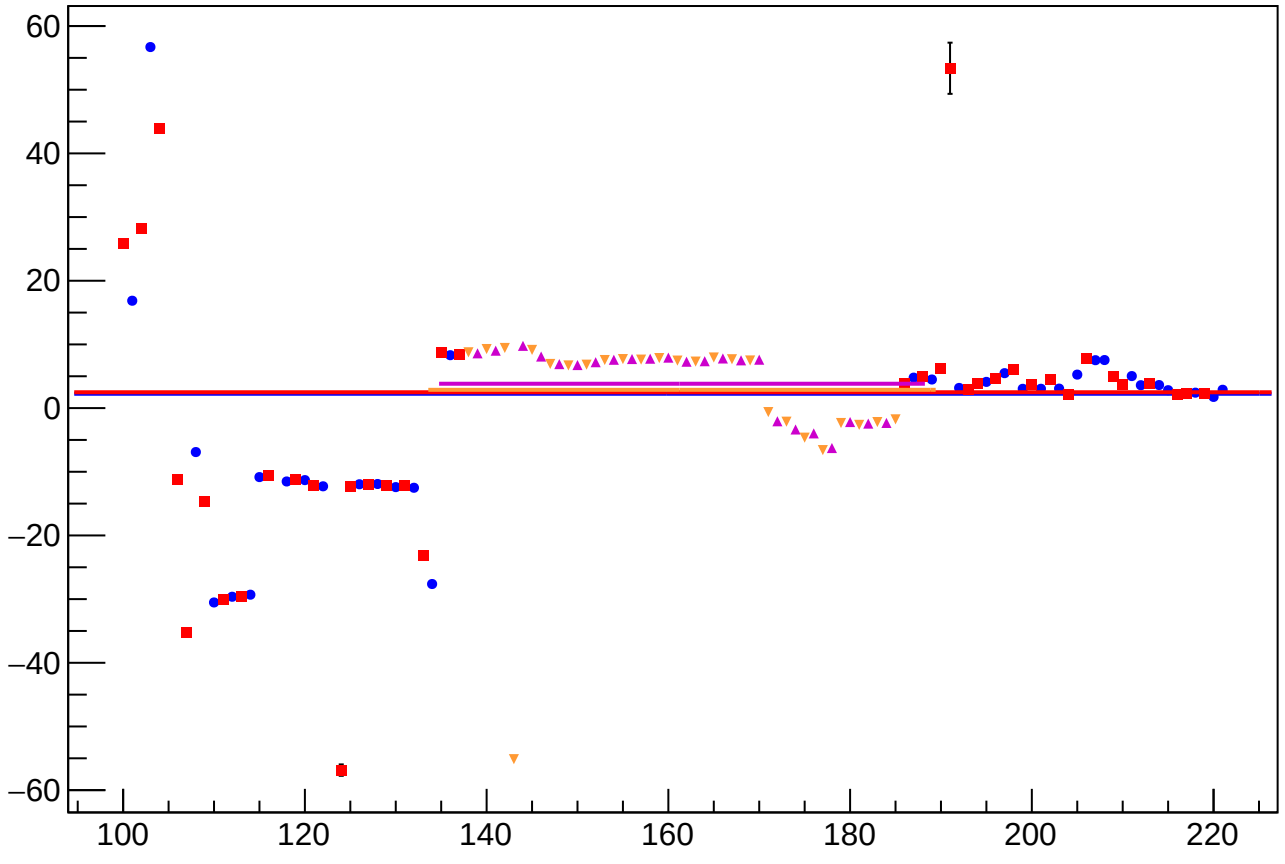
Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.812+/-0.219 χ^2/NDF: 2150.6/58

All: 2.505+/-0.156 χ^2/NDF: 4178.2/118

- sign 2.185+/-0.223 χ^2/NDF: 2023.5/59



Right In: 2.251+/-0.023 χ^2/NDF: 383025.3/33

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

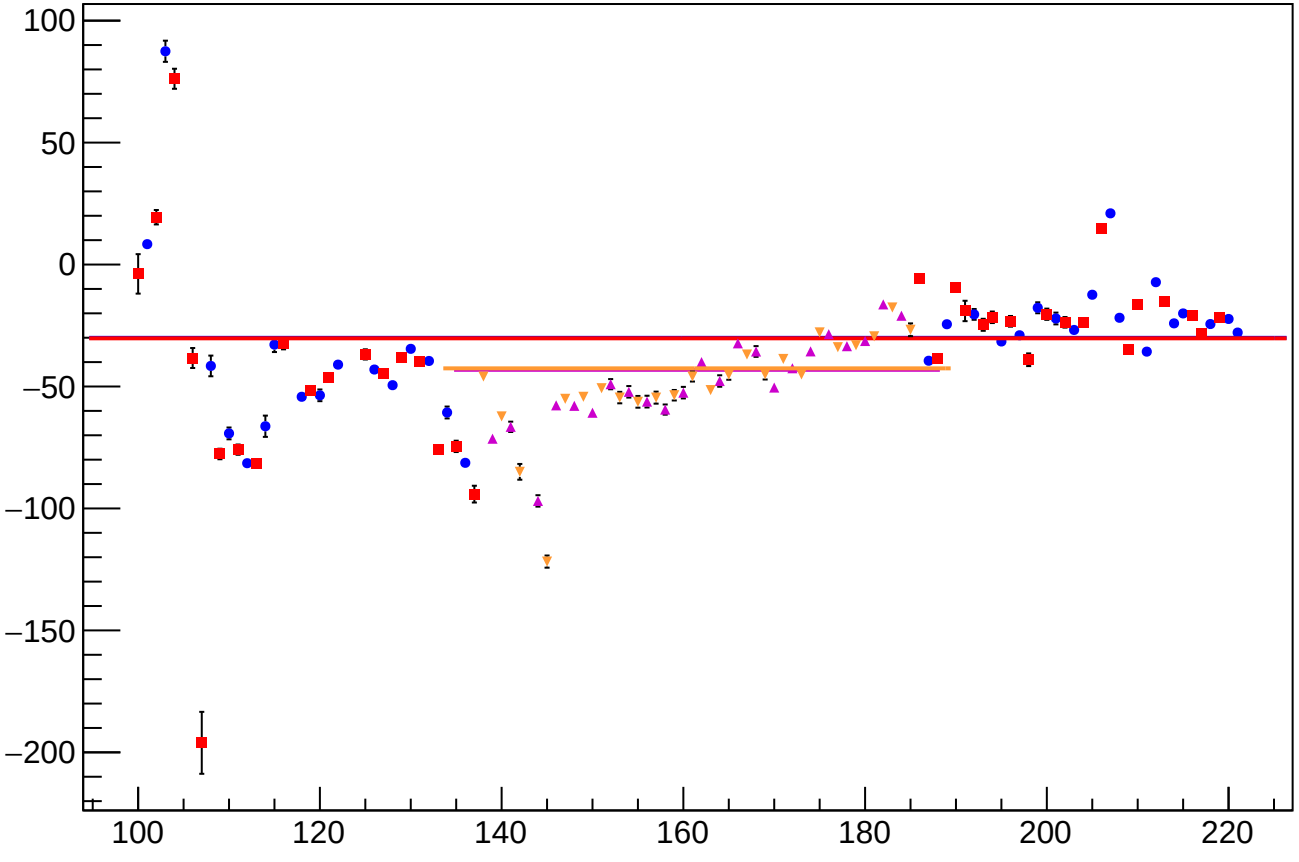
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.756+/-0.010 χ^2/NDF: 895940.8/58

All: 3.163+/-0.007 χ^2/NDF: 1466000.7/118

- sign 3.579+/-0.010 χ^2/NDF: 566654.6/59

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -30.051+/-0.303 χ^2/NDF: 5482.3/33

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.246+/-0.295 χ^2/NDF: 6589.8/35

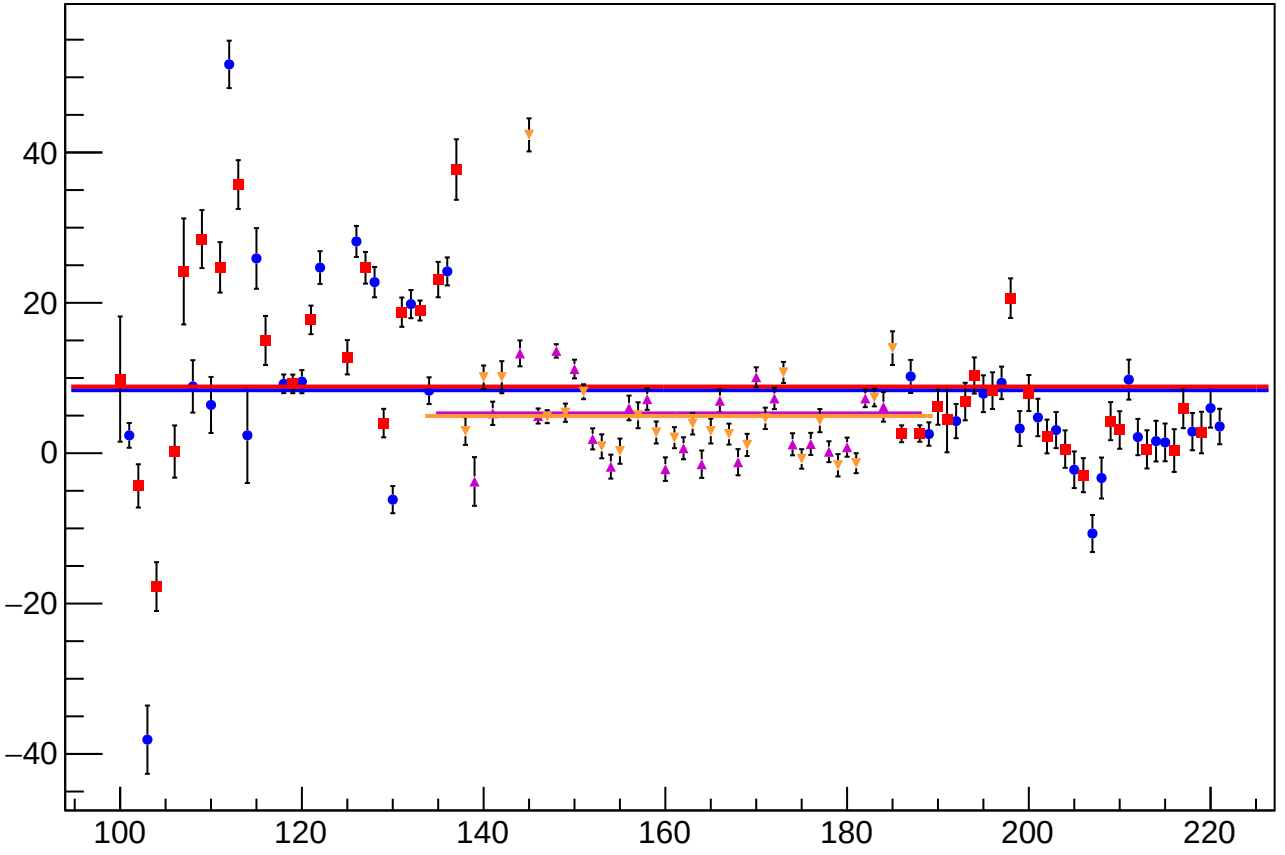
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -34.937+/-0.236 χ^2/NDF: 8475.0/57

All: -35.010+/-0.166 χ^2/NDF: 17987.1/116

- sign -35.082+/-0.234 χ^2/NDF: 9511.9/58

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.380+/-0.378 χ^2/NDF: 858.0/33

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 8.865+/-0.366 χ^2/NDF: 647.4/35

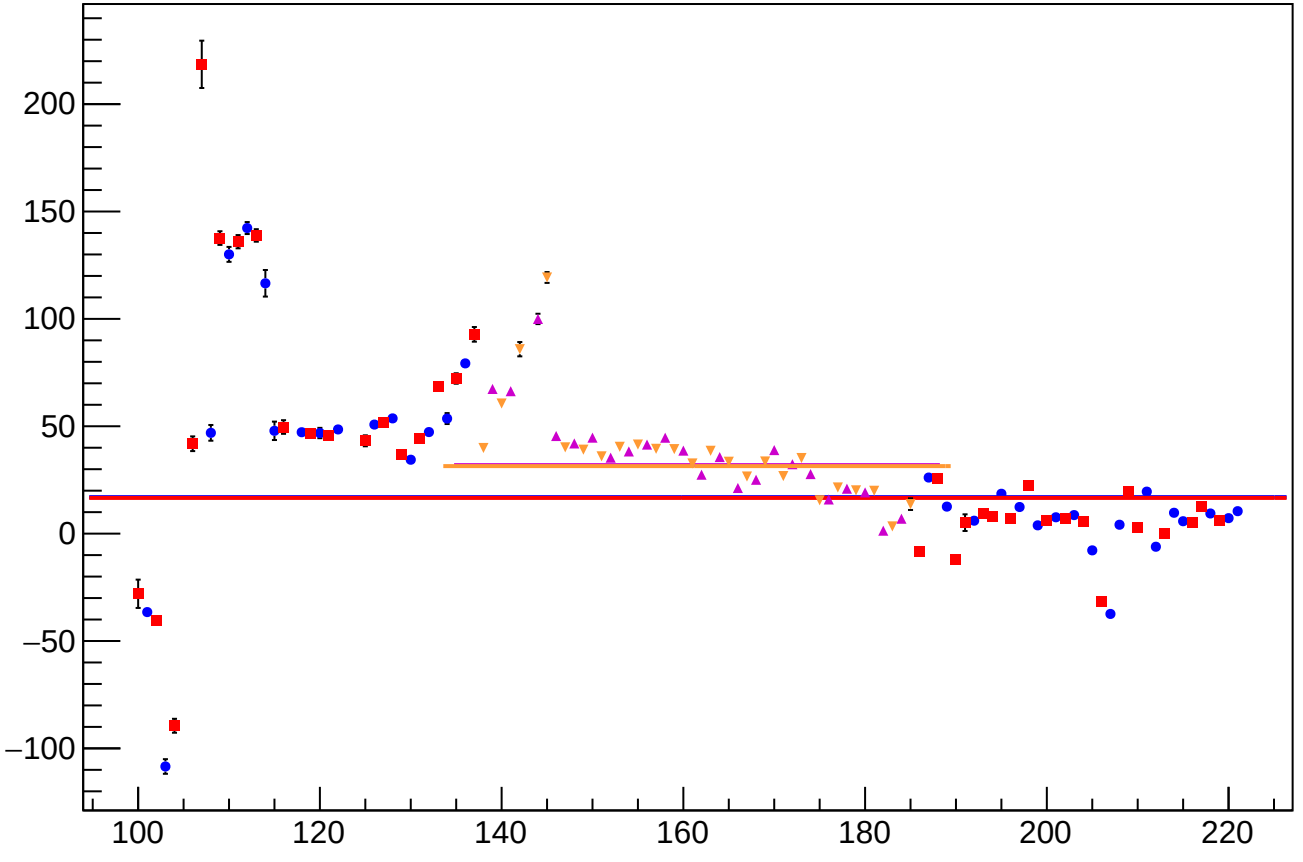
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.215+/-0.229 χ^2/NDF: 1359.0/57

All: 6.455+/-0.162 χ^2/NDF: 2352.9/116

- sign 6.696+/-0.229 χ^2/NDF: 991.7/58

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 16.999+/-0.307 χ^2/NDF: 11233.3/33

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.635+/-0.286 χ^2/NDF: 12932.8/35

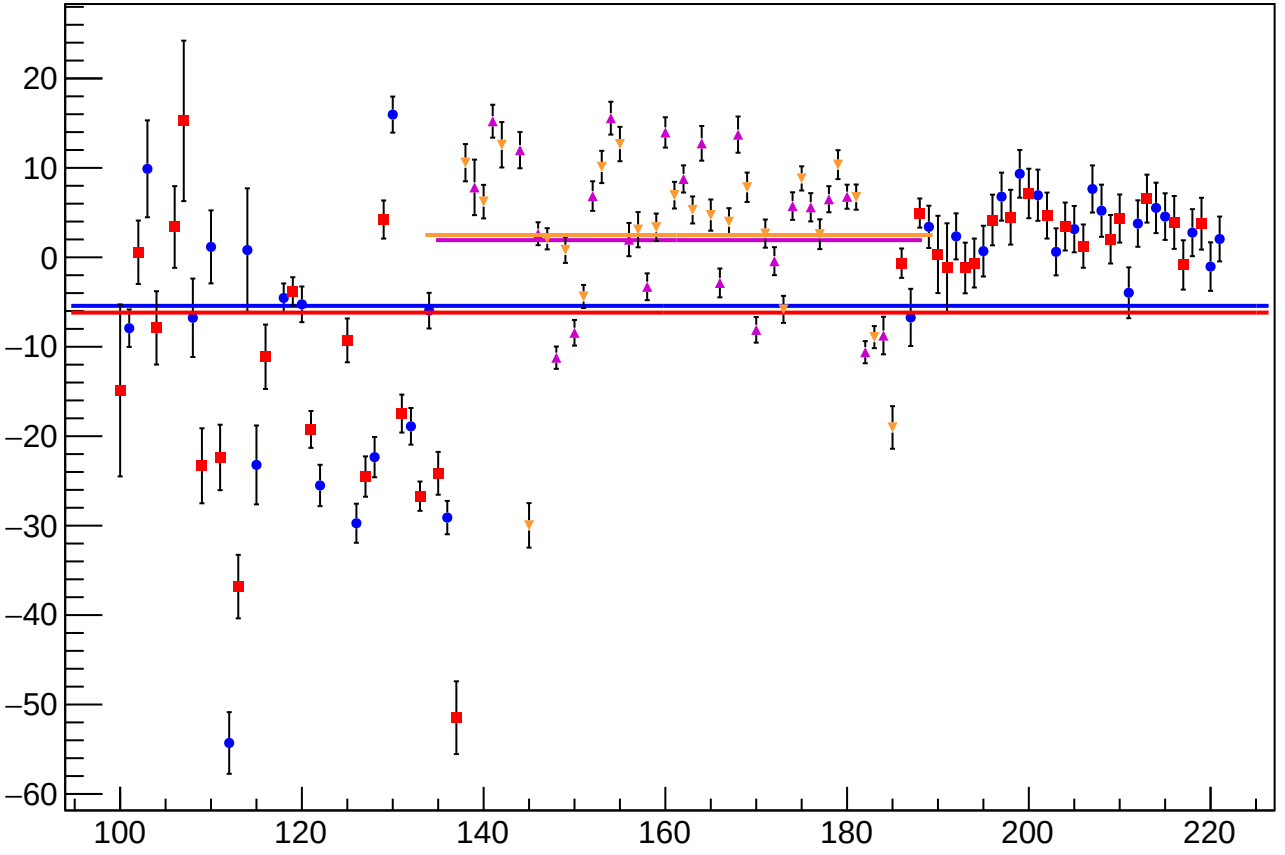
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 22.781+/-0.238 χ^2/NDF: 14881.9/57

All: 22.472+/-0.165 χ^2/NDF: 31621.2/116

\- sign 22.188+/-0.228 χ^2/NDF: 16736.1/58

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -5.425+/-0.435 χ^2/NDF: 1019.0/33

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

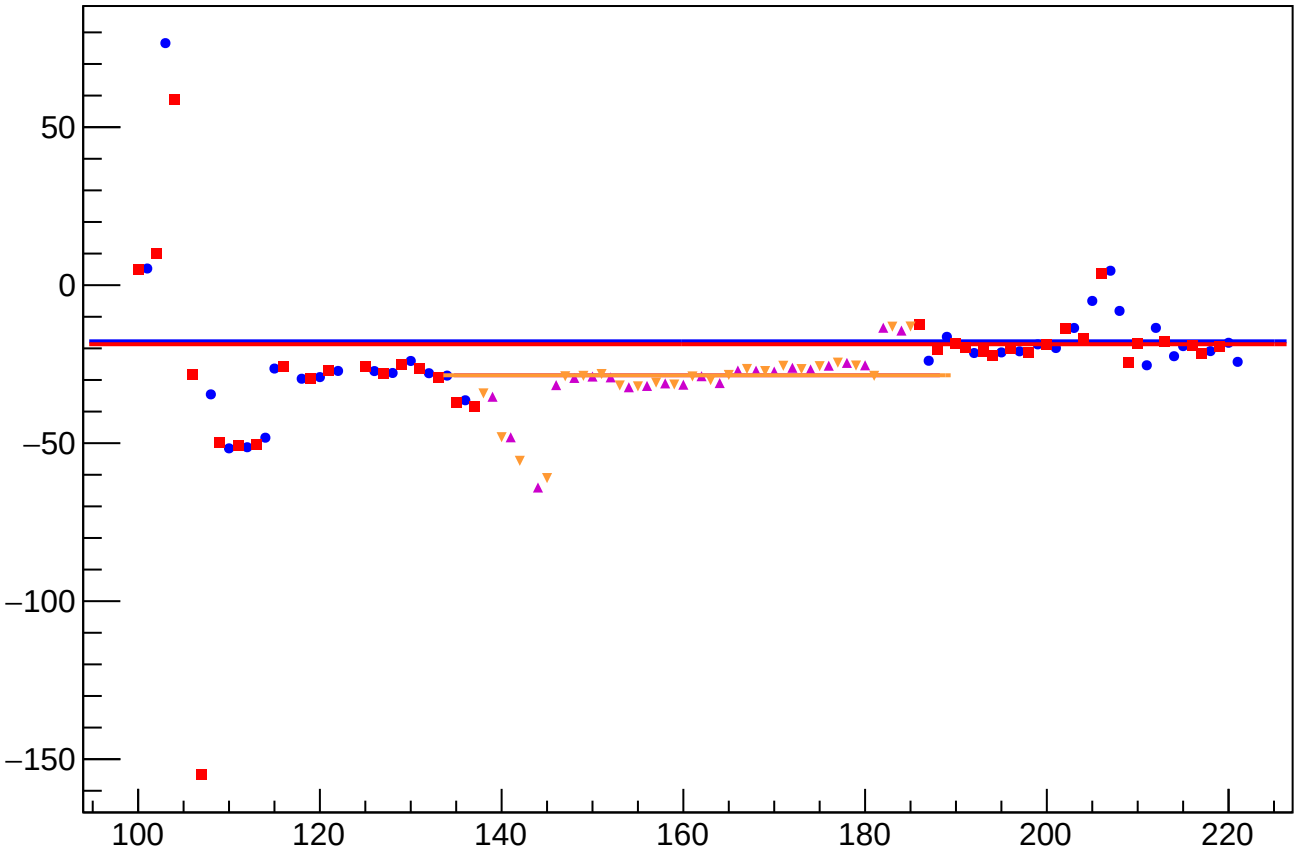
Right Out: -6.179+/-0.437 χ^2/NDF: 858.6/35

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.359+/-0.261 χ^2/NDF: 1789.3/57

All: -0.699+/-0.186 χ^2/NDF: 3548.3/116

- sign -1.046+/-0.264 χ^2/NDF: 1755.5/58



Right In: -17.773+/-0.021 χ^2/NDF: 734832.5/33

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.688+/-0.021 χ^2/NDF: 625747.0/35

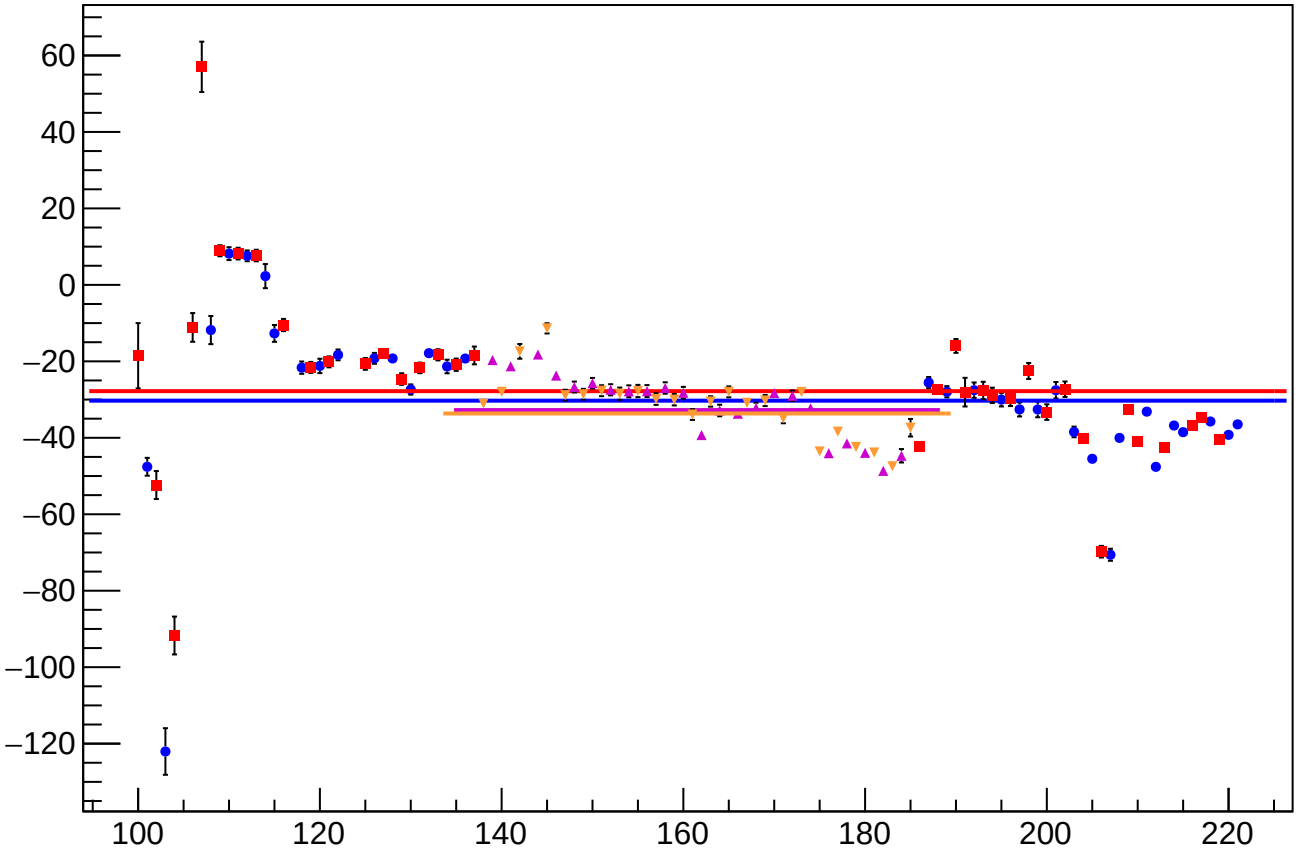
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -24.899+/-0.012 χ^2/NDF: 1246646.9/57

All: -25.028+/-0.009 χ^2/NDF: 2309664.9/116

- sign -25.157+/-0.012 χ^2/NDF: 1062787.7/58

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -30.288+/-0.244 χ^2/NDF: 3621.7/33

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -27.801+/-0.250 χ^2/NDF: 4140.7/35

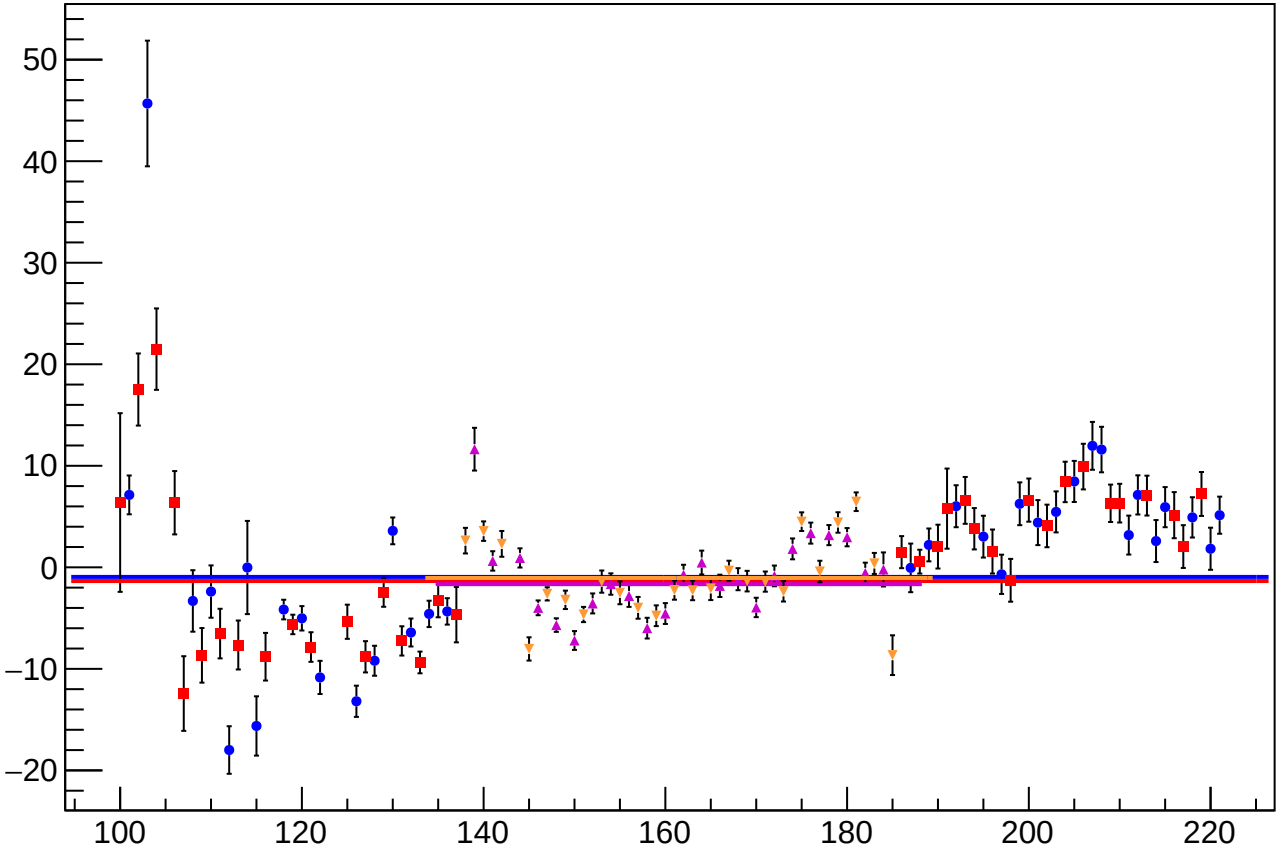
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -31.824+/-0.179 χ^2/NDF: 4724.4/57

All: -30.976+/-0.128 χ^2/NDF: 10236.3/116

- sign -30.095+/-0.183 χ^2/NDF: 5466.3/58

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.944+/-0.307 χ^2/NDF: 538.4/33

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.349+/-0.311 χ^2/NDF: 430.8/35

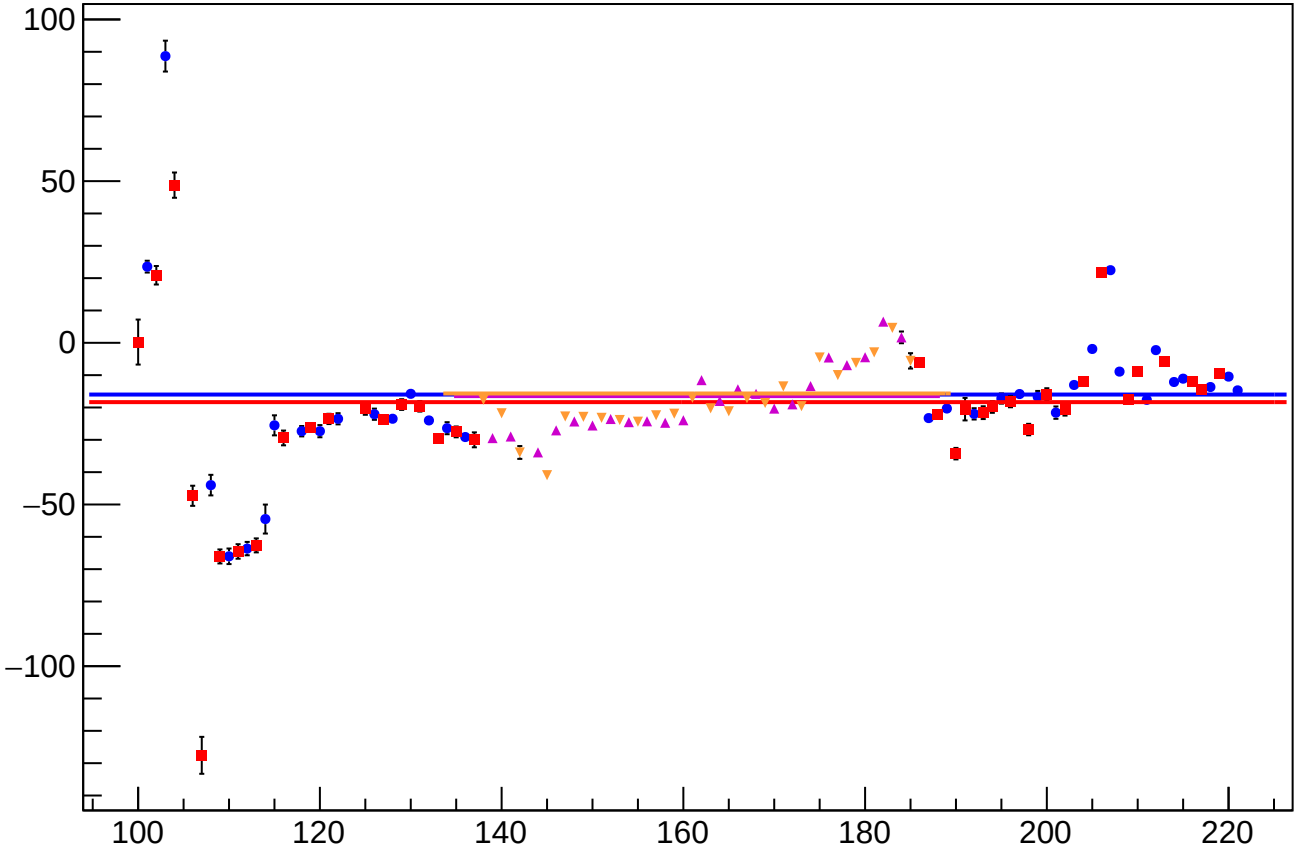
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.018+/-0.169 χ^2/NDF: 827.9/57

All: -1.286+/-0.121 χ^2/NDF: 1528.8/116

- sign -1.564+/-0.172 χ^2/NDF: 695.9/58

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -15.998+/-0.255 χ^2/NDF: 3501.9/33

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.343+/-0.255 χ^2/NDF: 3811.5/35

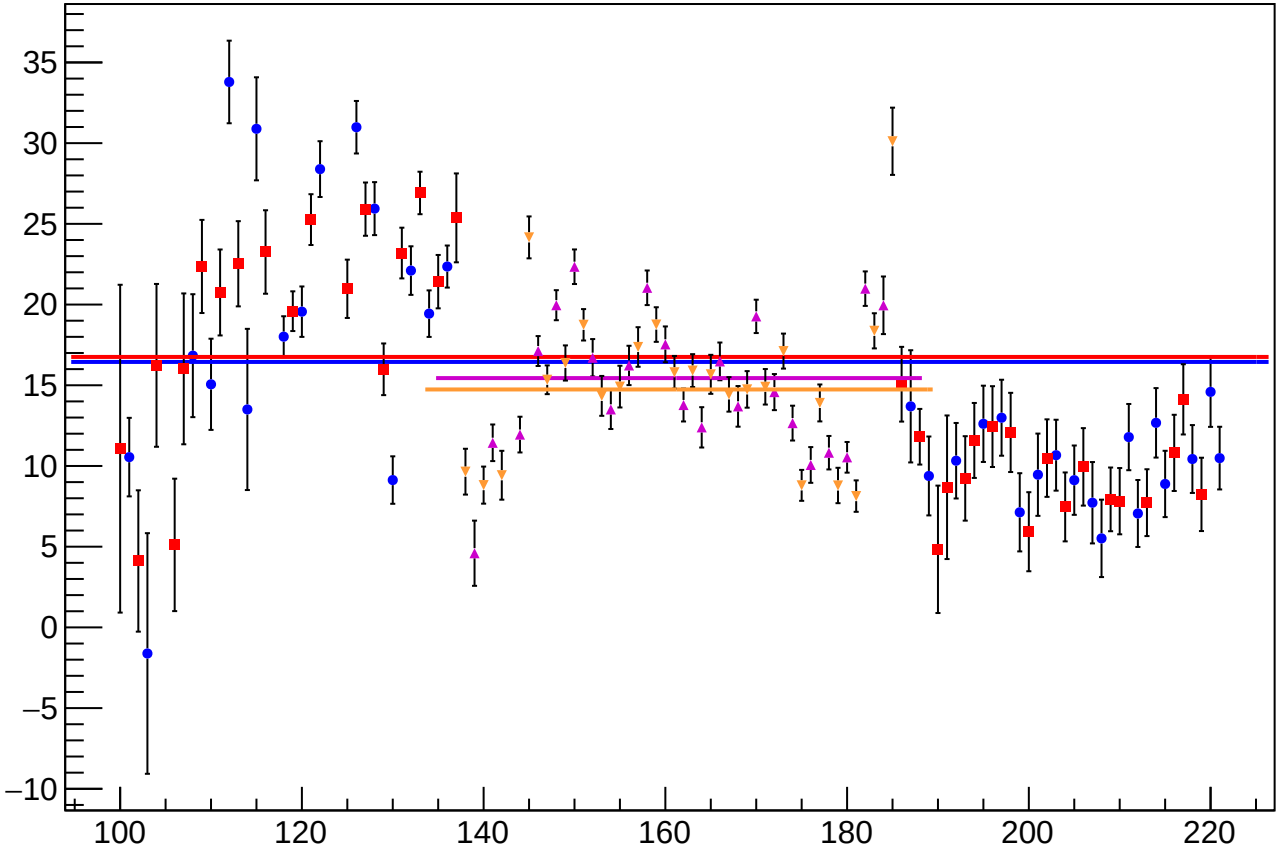
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -15.841+/-0.183 χ^2/NDF: 5023.5/57

All: -16.640+/-0.130 χ^2/NDF: 10596.5/116

\- sign -17.449+/-0.184 χ^2/NDF: 5534.7/58

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.446+/-0.348 χ^2/NDF: 464.1/33

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.755+/-0.360 χ^2/NDF: 373.2/35

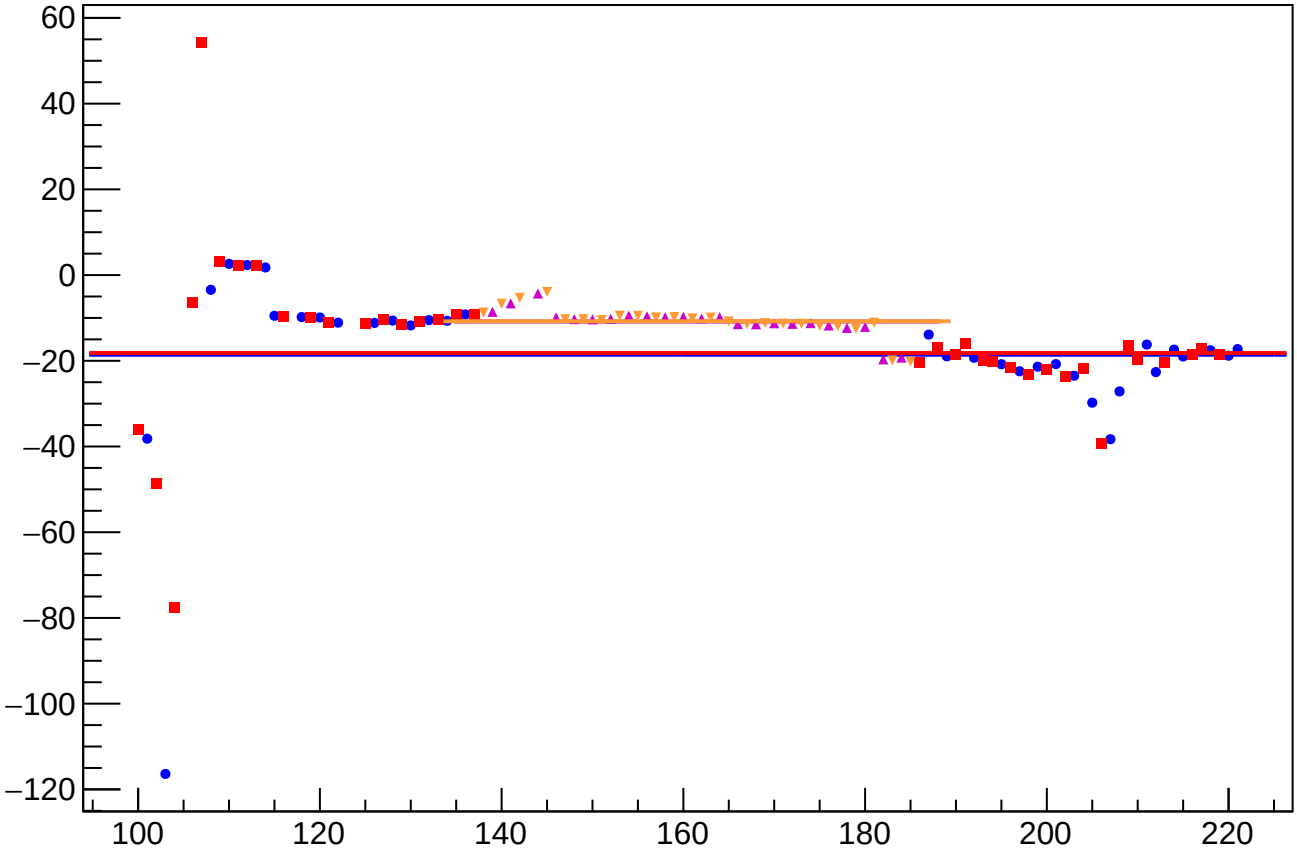
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.257+/-0.191 χ^2/NDF: 811.8/57

All: 15.538+/-0.137 χ^2/NDF: 1489.1/116

- sign 15.831+/-0.196 χ^2/NDF: 672.9/58

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.584+/-0.017 χ^2/NDF: 456536.4/33

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.196+/-0.018 χ^2/NDF: 433337.5/35

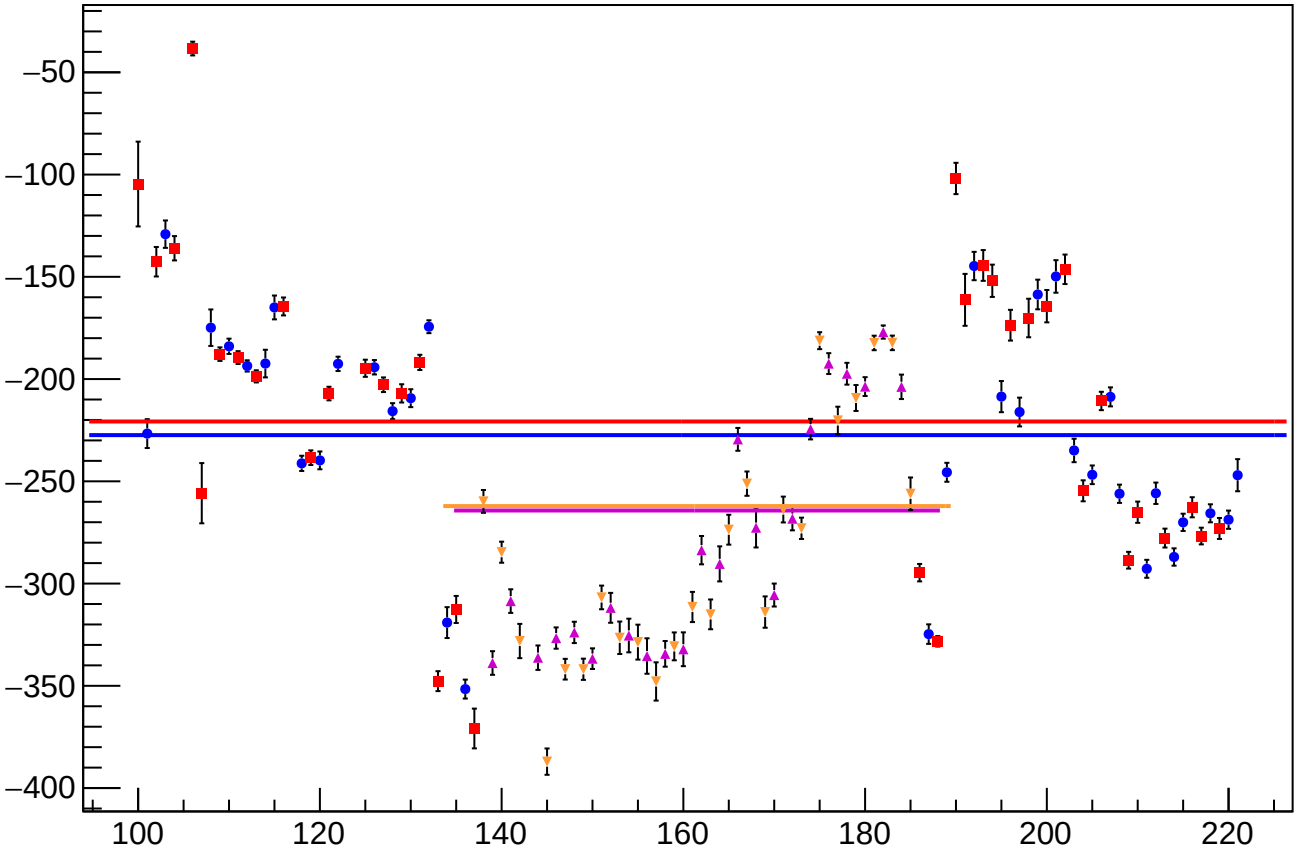
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.816+/-0.009 χ^2/NDF: 691667.2/57

All: -12.764+/-0.006 χ^2/NDF: 1329181.1/116

- sign -12.712+/-0.009 χ^2/NDF: 637445.1/58

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -227.410+/-0.802 χ^2/NDF: 3625.1/33

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -220.748+/-0.766 χ^2/NDF: 8652.7/35

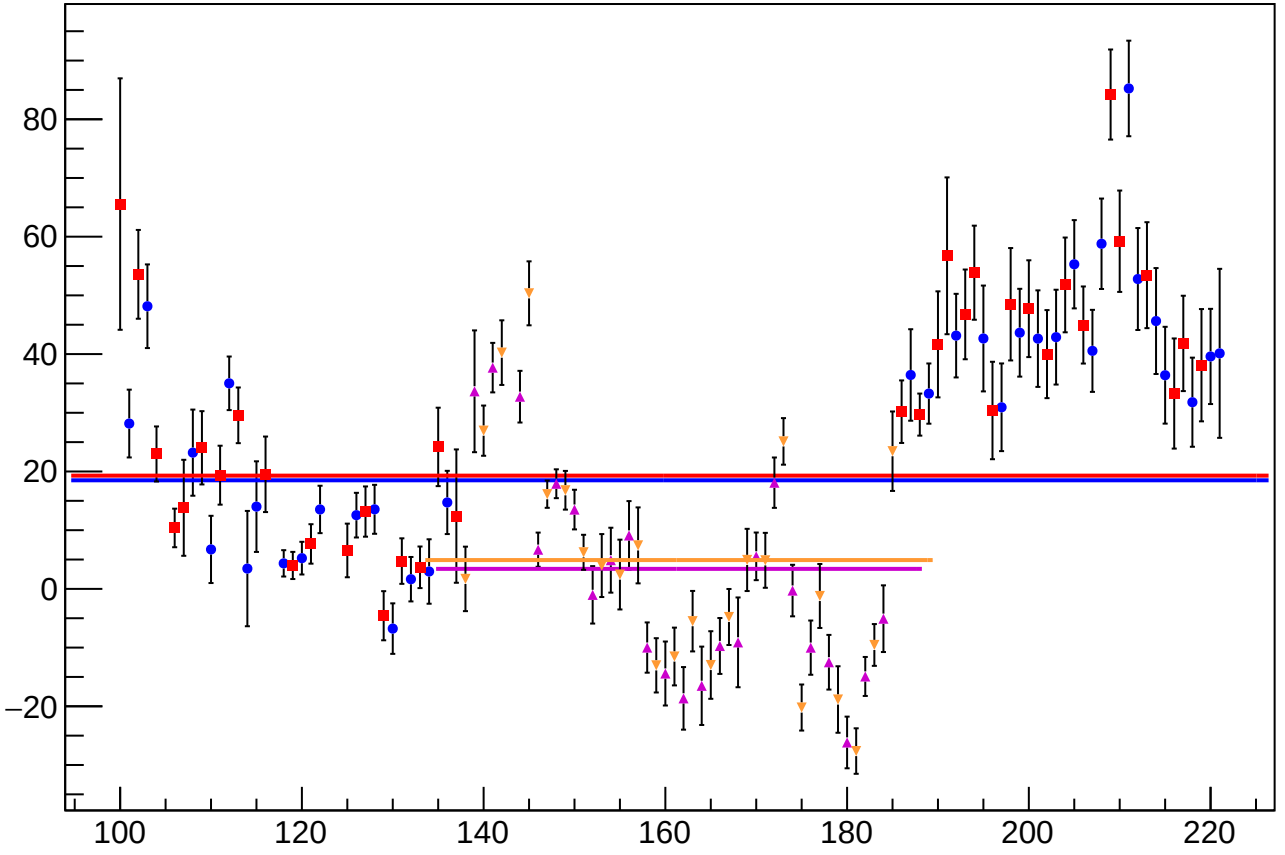
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -238.377+/-0.663 χ^2/NDF: 7181.8/57

All: -235.905+/-0.462 χ^2/NDF: 19553.8/116

- sign -233.576+/-0.644 χ^2/NDF: 12345.0/58

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.498+/-0.920 χ^2/NDF: 405.6/33

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.293+/-0.891 χ^2/NDF: 412.8/35

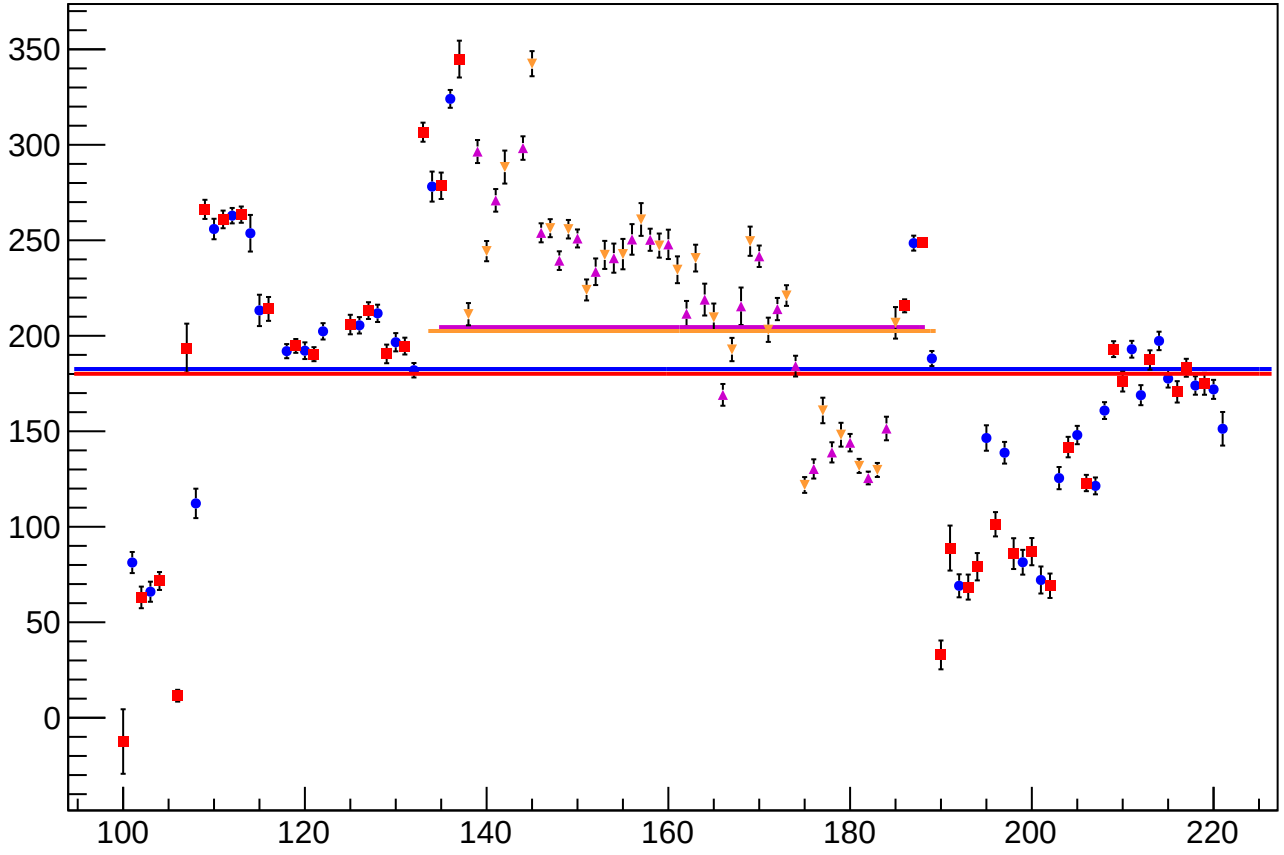
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

\+ sign 11.449+/-0.638 χ^2/NDF: 917.7/57

All: 11.441+/-0.450 χ^2/NDF: 1820.9/116

\- sign 11.434+/-0.634 χ^2/NDF: 903.2/58

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 182.606+/-0.855 χ^2/NDF: 4361.0/33

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.107+/-0.798 χ^2/NDF: 9504.3/35

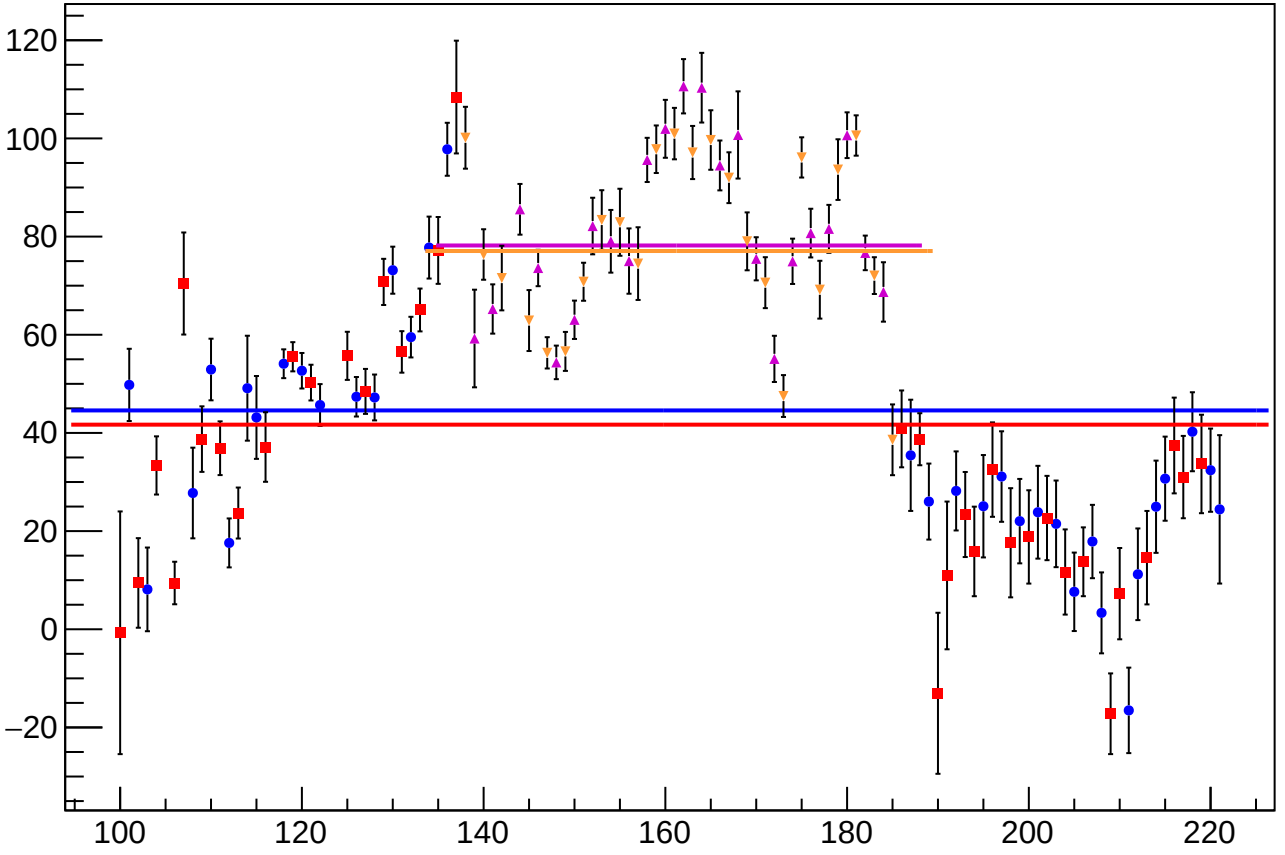
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 189.515+/-0.691 χ^2/NDF: 6942.6/57

All: 188.622+/-0.477 χ^2/NDF: 19031.4/116

- sign 187.807+/-0.661 χ^2/NDF: 12085.7/58

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.584+/-1.067 χ^2/NDF: 410.2/33

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 41.685+/-1.047 χ^2/NDF: 419.4/35

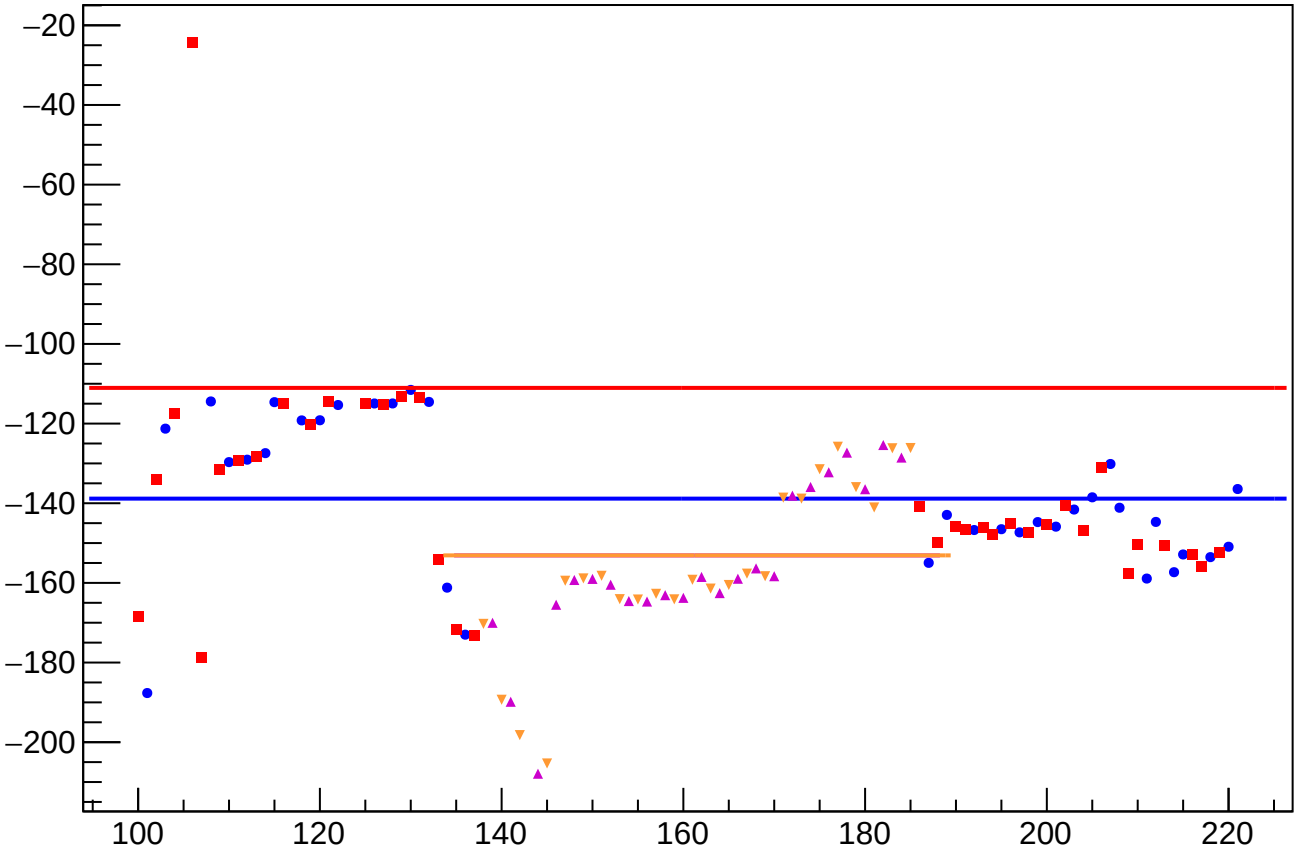
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 61.626+/-0.735 χ^2/NDF: 1207.9/57

All: 60.965+/-0.519 χ^2/NDF: 2481.9/116

- sign 60.309+/-0.733 χ^2/NDF: 1272.5/58

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -138.841+/-0.058 χ^2/NDF: 110886.0/33

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -111.038+/-0.050 χ^2/NDF: 1037806.6/35

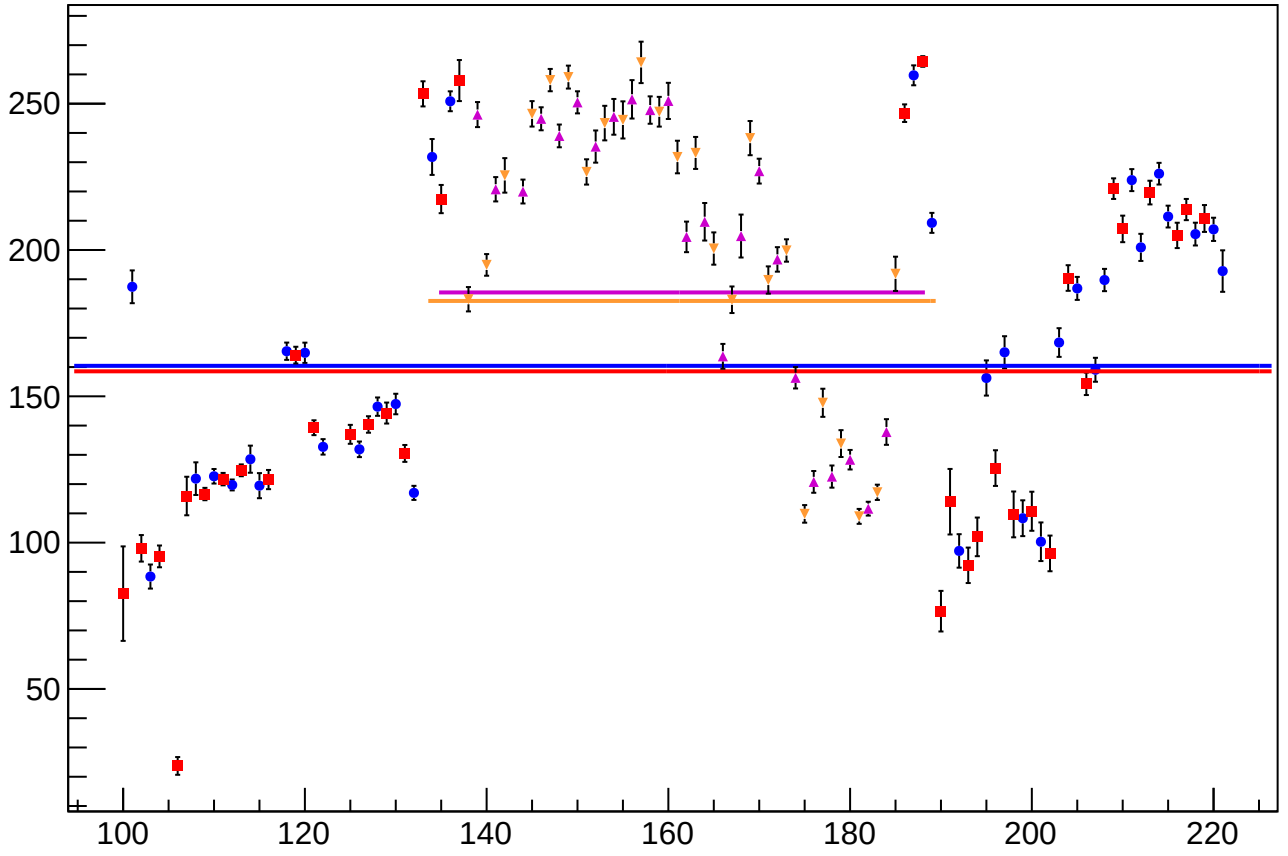
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.445+/-0.036 χ^2/NDF: 324980.4/57

All: -140.089+/-0.025 χ^2/NDF: 1982652.9/11

- sign -133.626+/-0.034 χ^2/NDF: 1581192.7/58

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 160.418+/-0.622 χ^2/NDF: 5250.9/33

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 158.539+/-0.584 χ^2/NDF: 10749.8/35

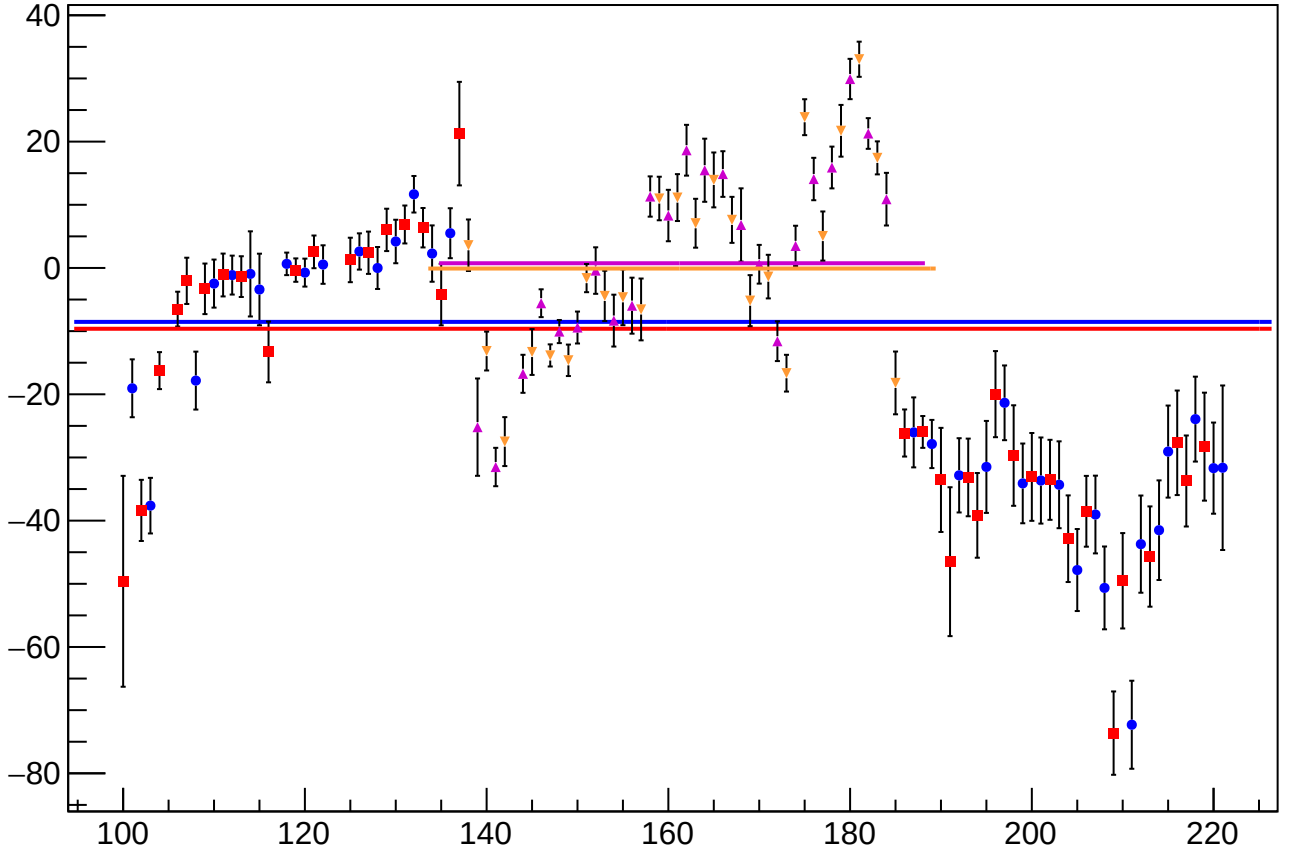
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 167.966+/-0.505 χ^2/NDF: 9835.7/57

All: 167.404+/-0.350 χ^2/NDF: 25069.2/116

- sign 166.886+/-0.485 χ^2/NDF: 15231.2/58

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.537+/-0.713 χ^2/NDF: 576.5/33

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.626+/-0.679 χ^2/NDF: 592.9/35

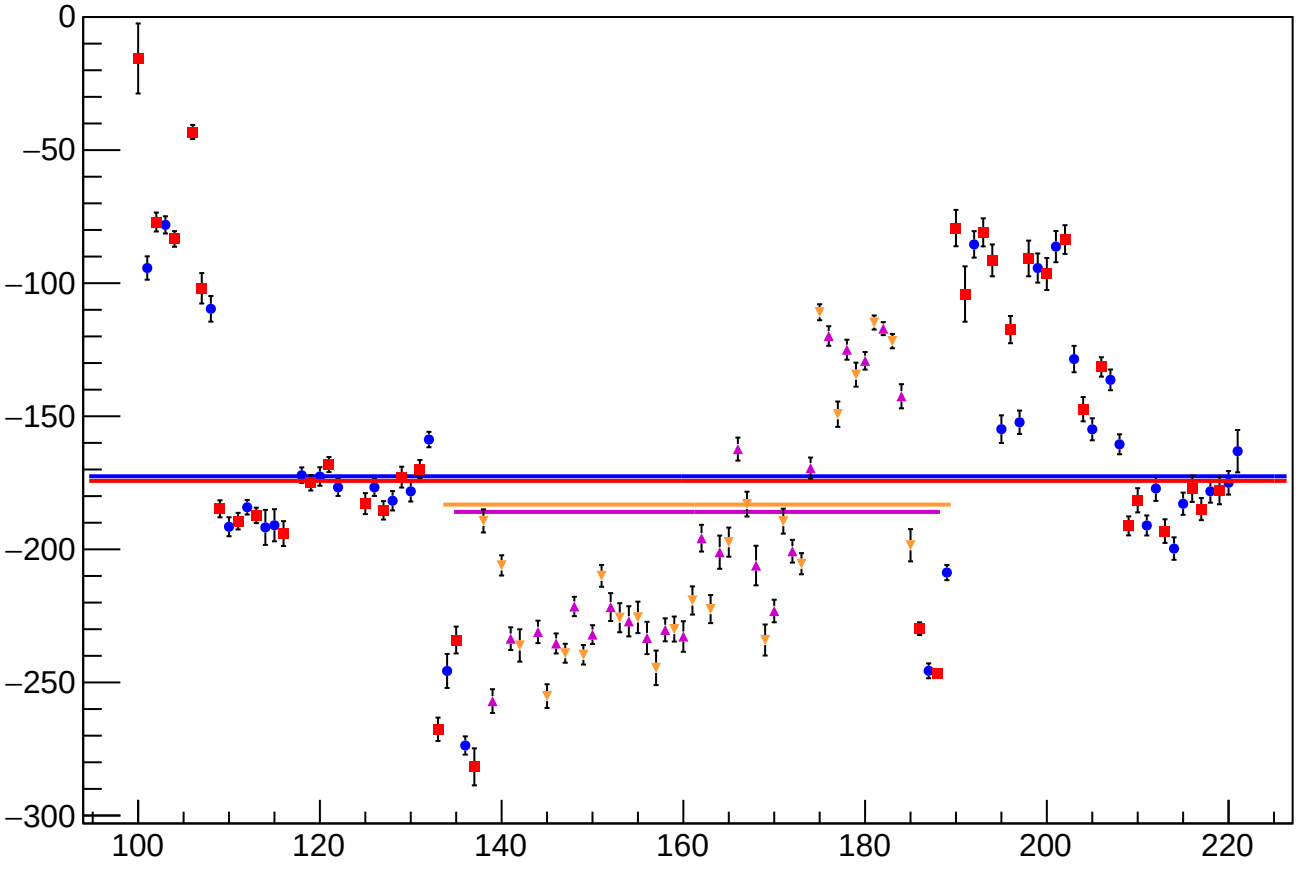
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -3.957+/-0.482 χ^2/NDF: 1208.0/57

All: -4.148+/-0.338 χ^2/NDF: 2418.0/116

- sign -4.333+/-0.475 χ^2/NDF: 1209.7/58

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.545+/-0.667 χ^2/NDF: 4317.3/33

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.276+/-0.609 χ^2/NDF: 10051.1/35

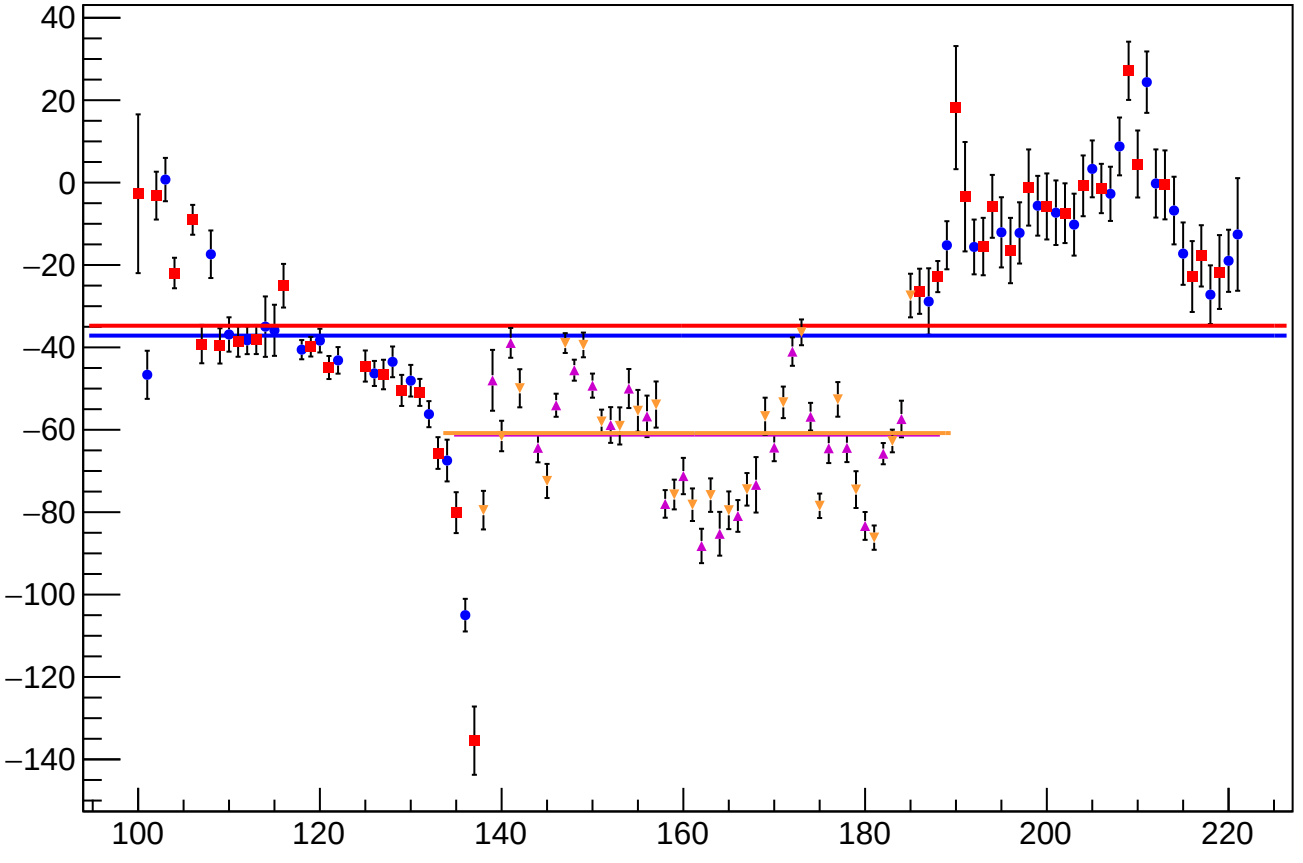
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.526+/-0.528 χ^2/NDF: 7773.5/57

All: -177.374+/-0.362 χ^2/NDF: 21132.2/116

- sign -178.130+/-0.498 χ^2/NDF: 13353.8/58

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.141+/-0.827 χ^2/NDF: 773.8/33

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.739+/-0.800 χ^2/NDF: 751.2/35

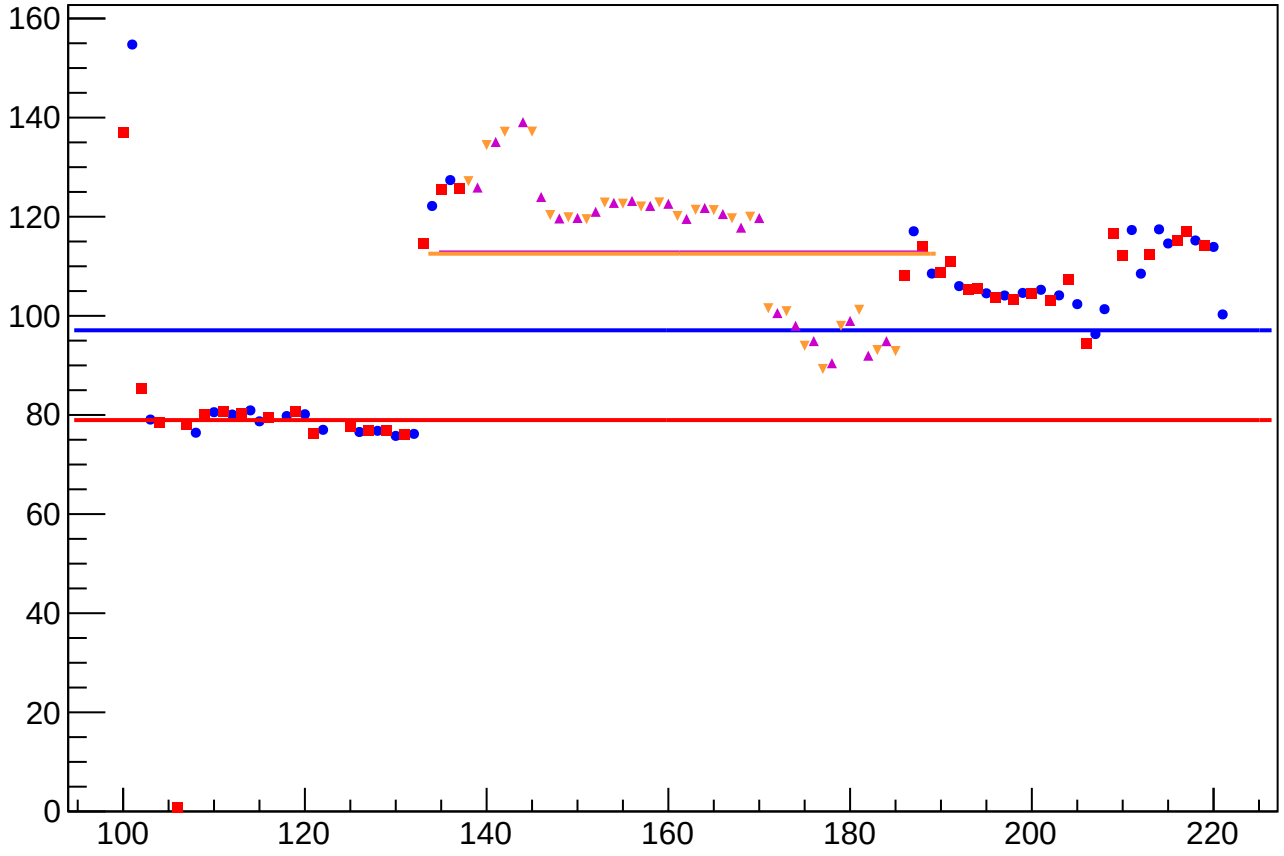
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -50.142+/-0.555 χ^2/NDF: 1697.4/57

All: -49.408+/-0.391 χ^2/NDF: 3345.1/116

- sign -48.687+/-0.550 χ^2/NDF: 1644.2/58

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 97.083+/-0.045 χ^2/NDF: 195675.9/33

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.967+/-0.040 χ^2/NDF: 930453.0/35

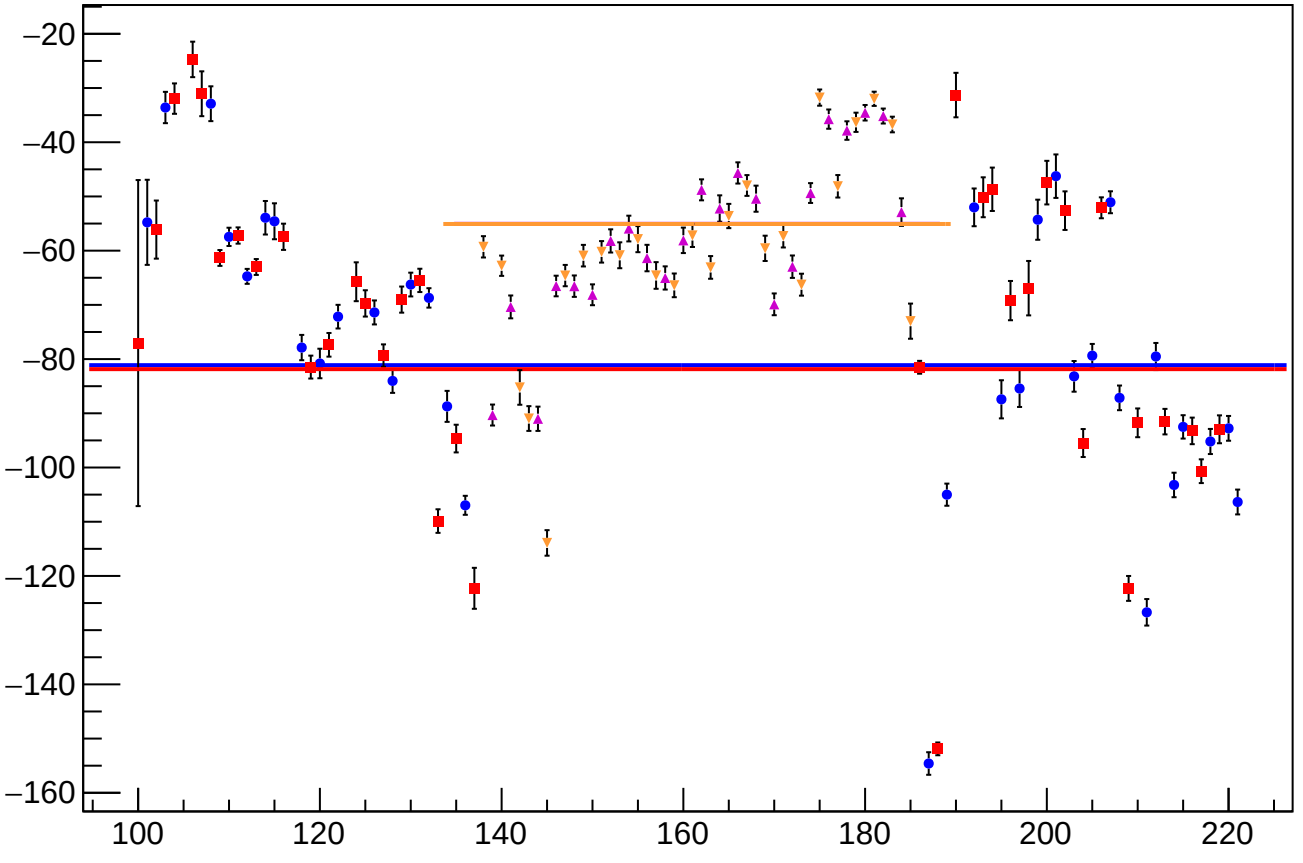
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

\+ sign 106.770+/-0.027 χ^2/NDF: 444748.7/57

All: 102.322+/-0.019 χ^2/NDF: 2010640.0/116

\- sign 98.302+/-0.026 χ^2/NDF: 1515646.7/58

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -81.121+/-0.403 χ^2/NDF: 3816.1/33

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.855+/-0.379 χ^2/NDF: 6674.8/35

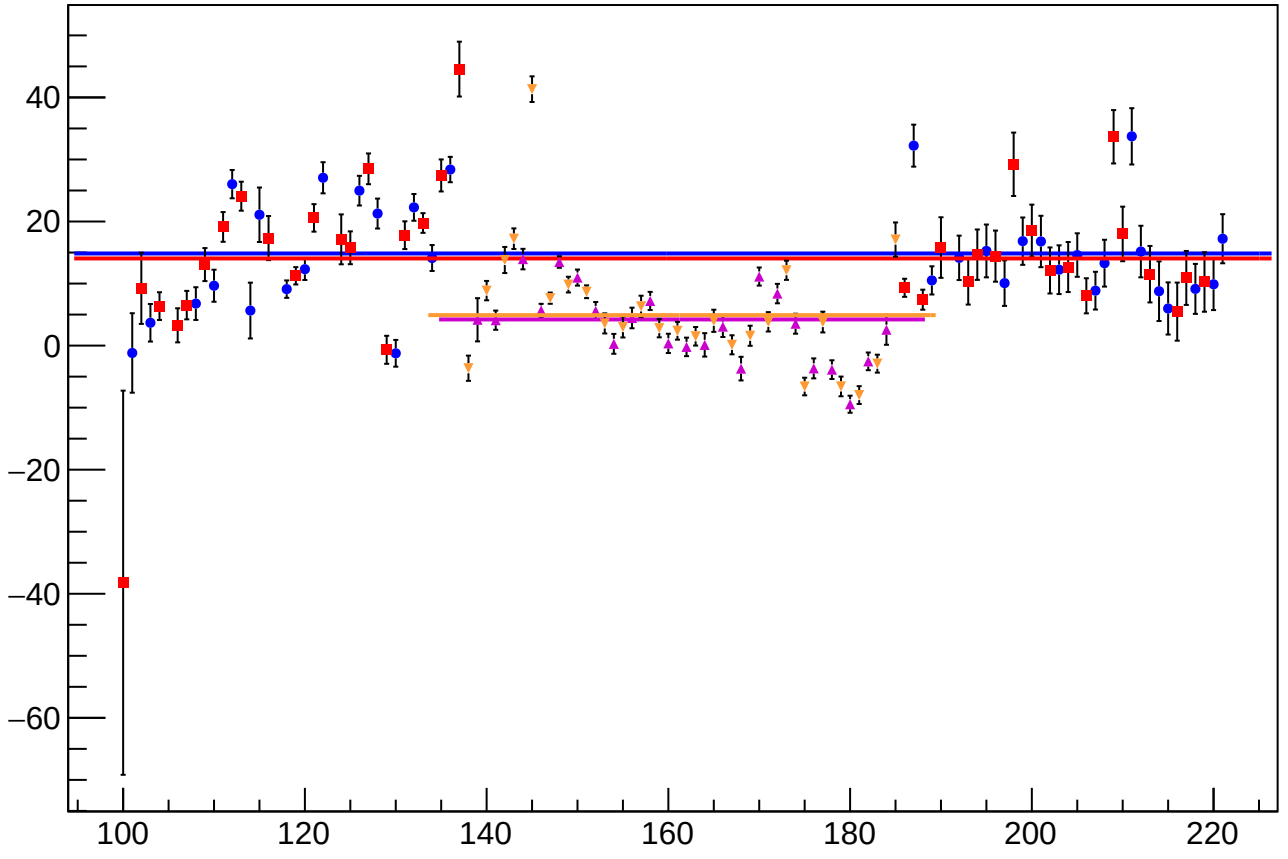
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -68.013+/-0.284 χ^2/NDF: 7918.8/58

All: -68.773+/-0.199 χ^2/NDF: 18448.9/117

- sign -69.503+/-0.279 χ^2/NDF: 10516.1/58

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.848+/-0.483 χ^2/NDF: 306.6/33

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.047+/-0.450 χ^2/NDF: 315.9/35

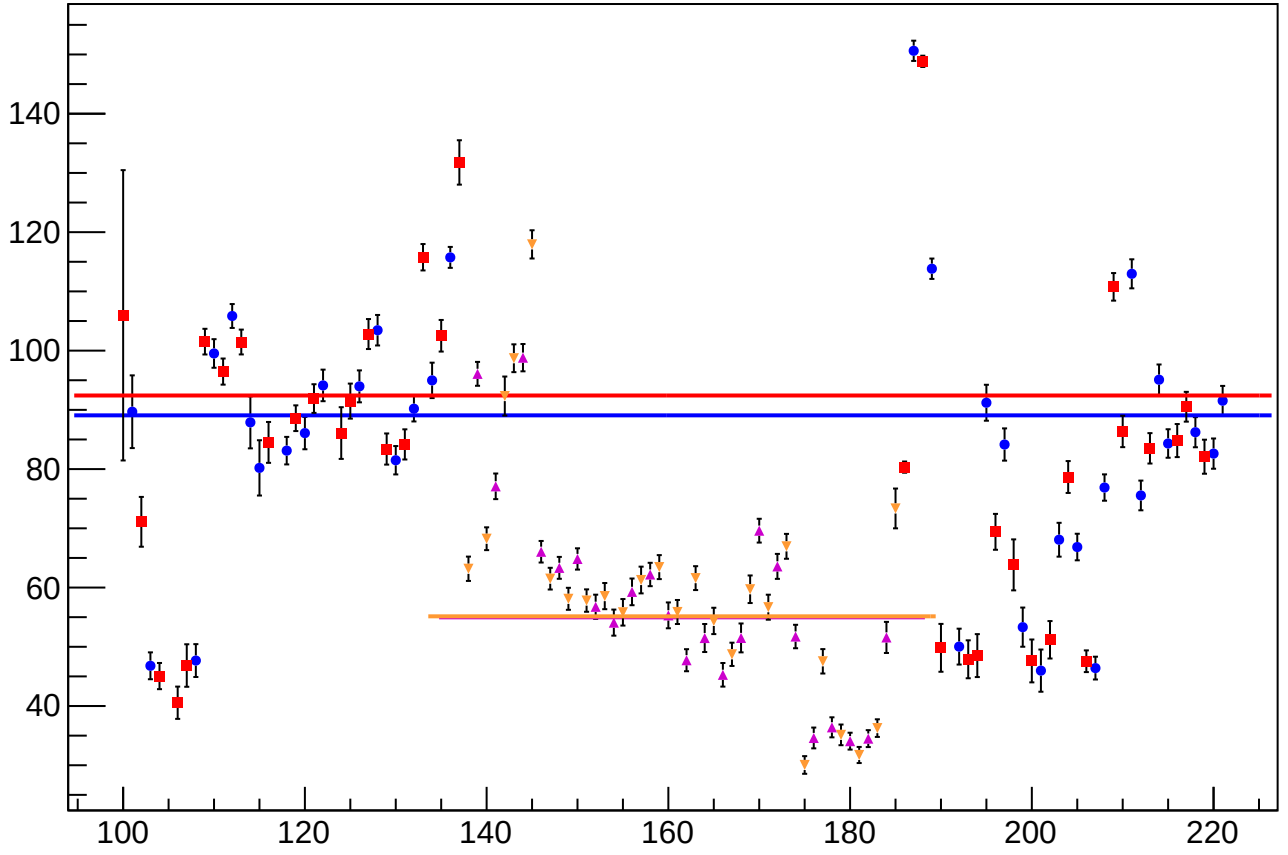
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.698+/-0.256 χ^2/NDF: 1353.1/58

All: 7.558+/-0.181 χ^2/NDF: 2407.3/117

- sign 7.416+/-0.256 χ^2/NDF: 1053.6/58

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.073+/-0.425 χ^2/NDF: 3701.7/33

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.425+/-0.385 χ^2/NDF: 6633.6/35

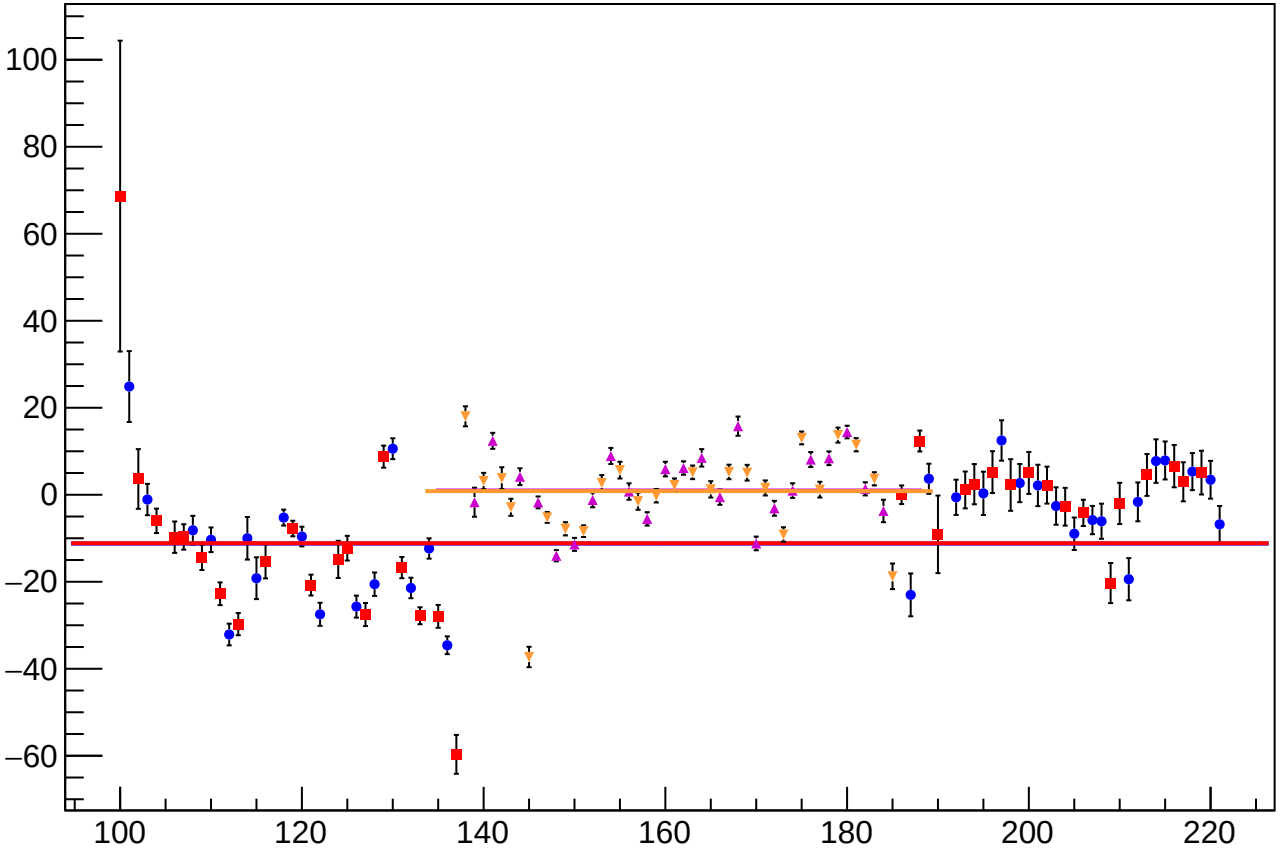
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 70.969+/-0.290 χ^2/NDF: 9353.0/58

All: 72.893+/-0.201 χ^2/NDF: 22338.4/117

- sign 74.677+/-0.279 χ^2/NDF: 12900.5/58

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.217+/-0.554 χ^2/NDF: 584.9/33

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

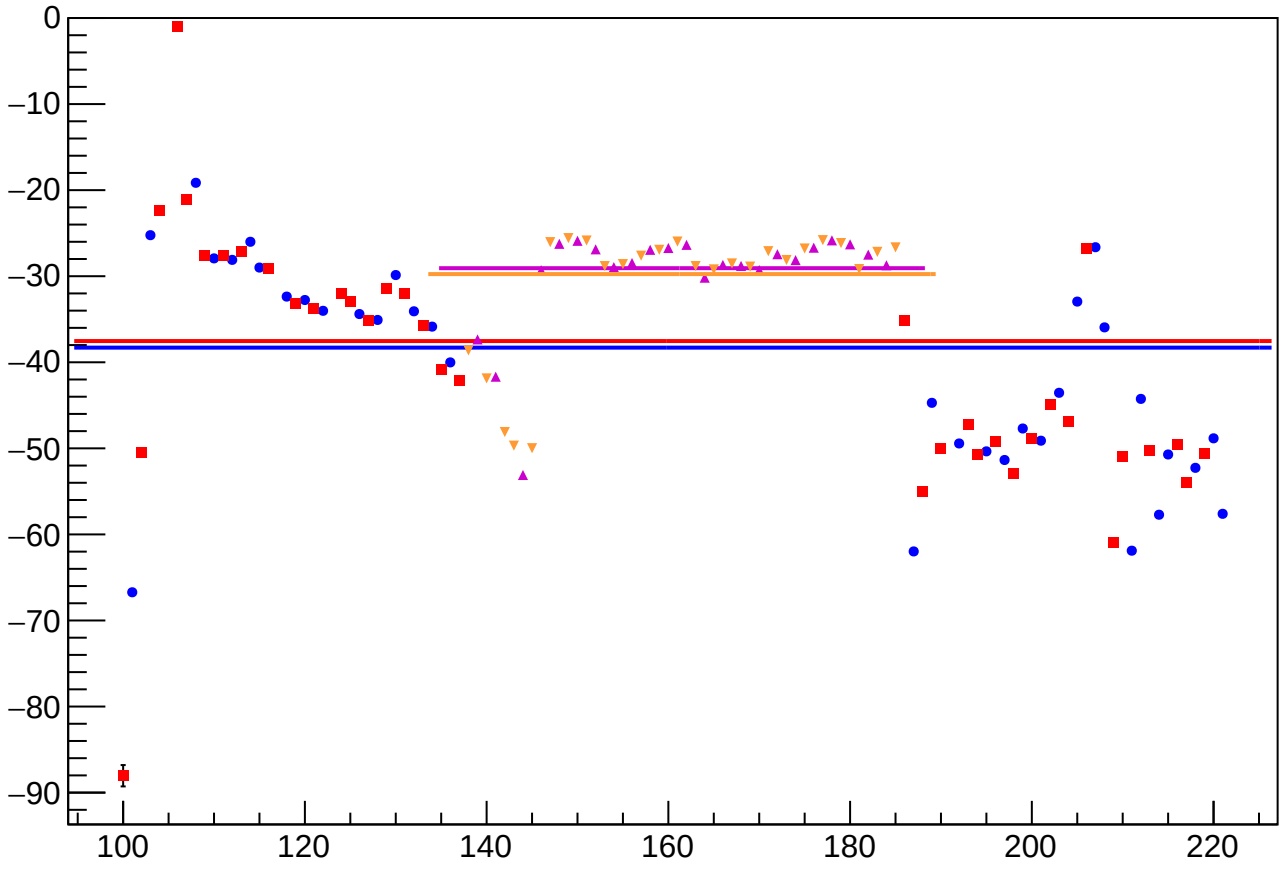
Right Out: -11.139+/-0.533 χ^2/NDF: 683.9/35

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.499+/-0.292 χ^2/NDF: 1644.5/58

All: -2.608+/-0.207 χ^2/NDF: 3246.3/117

- sign -2.719+/-0.295 χ^2/NDF: 1601.5/58



Right In: -38.297+/-0.028 χ^2/NDF: 152449.1/33

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.533+/-0.028 χ^2/NDF: 240645.3/35

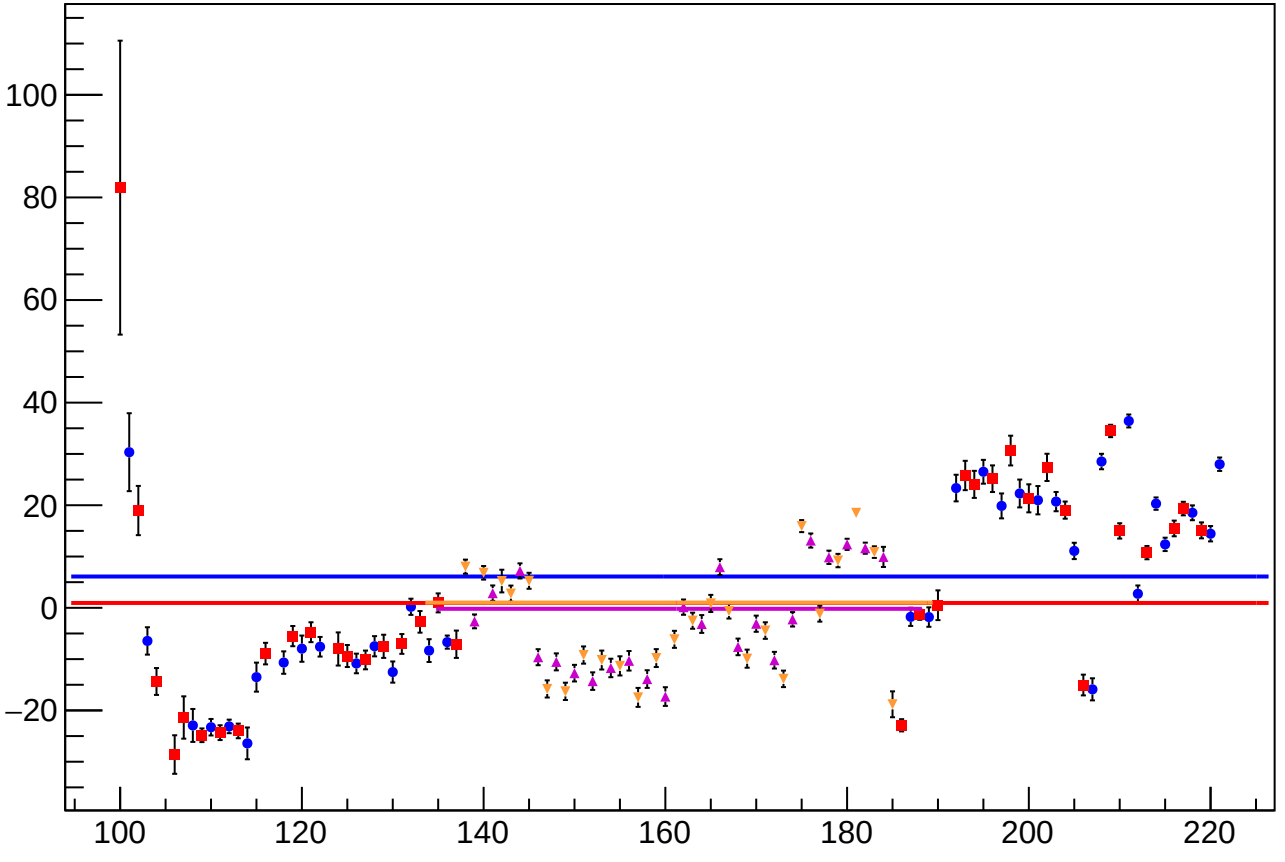
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.797+/-0.014 χ^2/NDF: 388000.0/58

All: -31.478+/-0.010 χ^2/NDF: 802080.9/117

- sign -31.153+/-0.014 χ^2/NDF: 412964.4/58

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 6.103+/-0.308 χ^2/NDF: 3375.7/33

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 0.948+/-0.306 χ^2/NDF: 3653.7/35

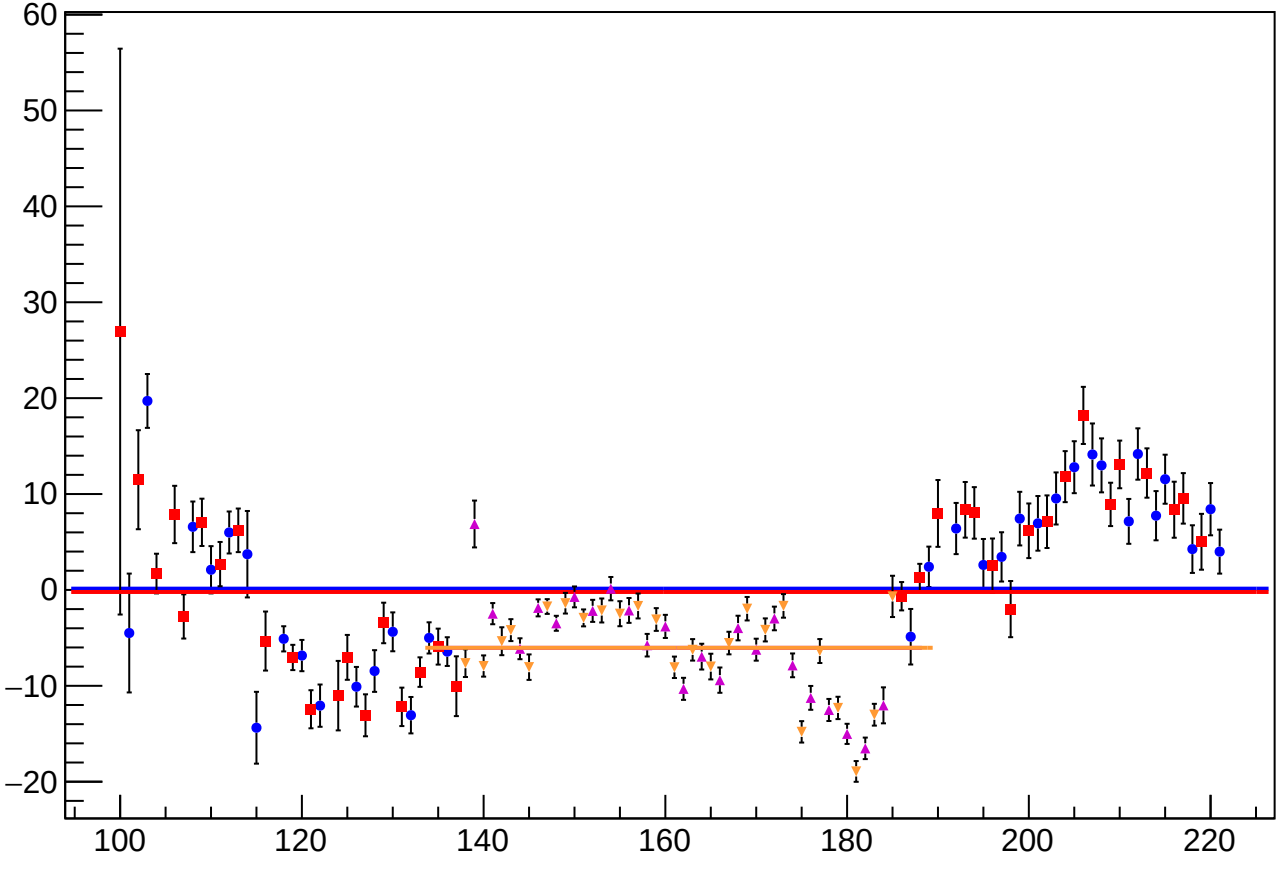
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 3.533+/-0.217 χ^2/NDF: 4848.7/58

All: 1.983+/-0.154 χ^2/NDF: 9595.6/117

- sign 0.394+/-0.219 χ^2/NDF: 4643.2/58

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: 0.132+/-0.396 χ^2/NDF: 444.1/33

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.213+/-0.386 χ^2/NDF: 430.6/35

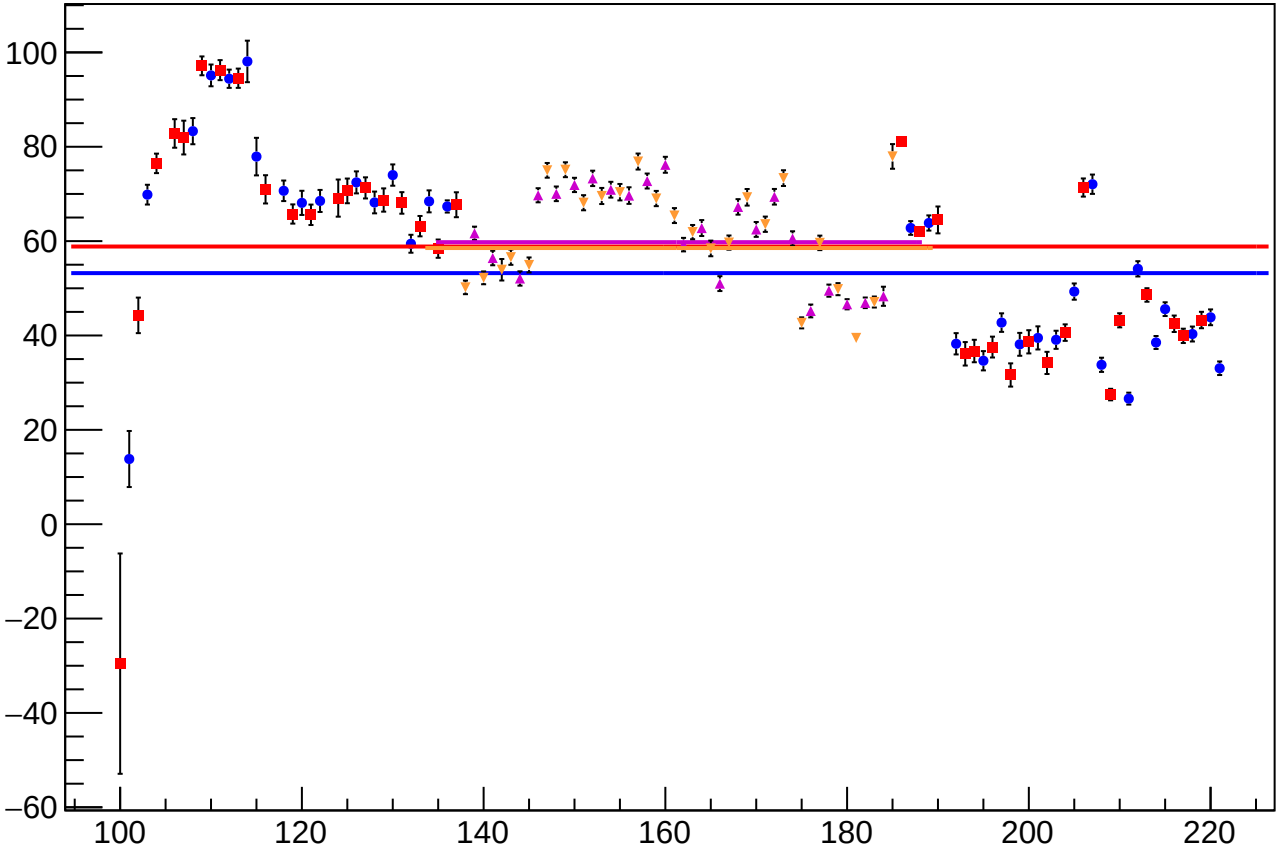
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -4.448+/-0.201 χ^2/NDF: 1039.0/58

All: -4.419+/-0.144 χ^2/NDF: 2029.6/117

- sign -4.388+/-0.205 χ^2/NDF: 990.5/58

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 53.217+/-0.324 χ^2/NDF: 3159.6/33

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 58.855+/-0.313 χ^2/NDF: 3748.9/35

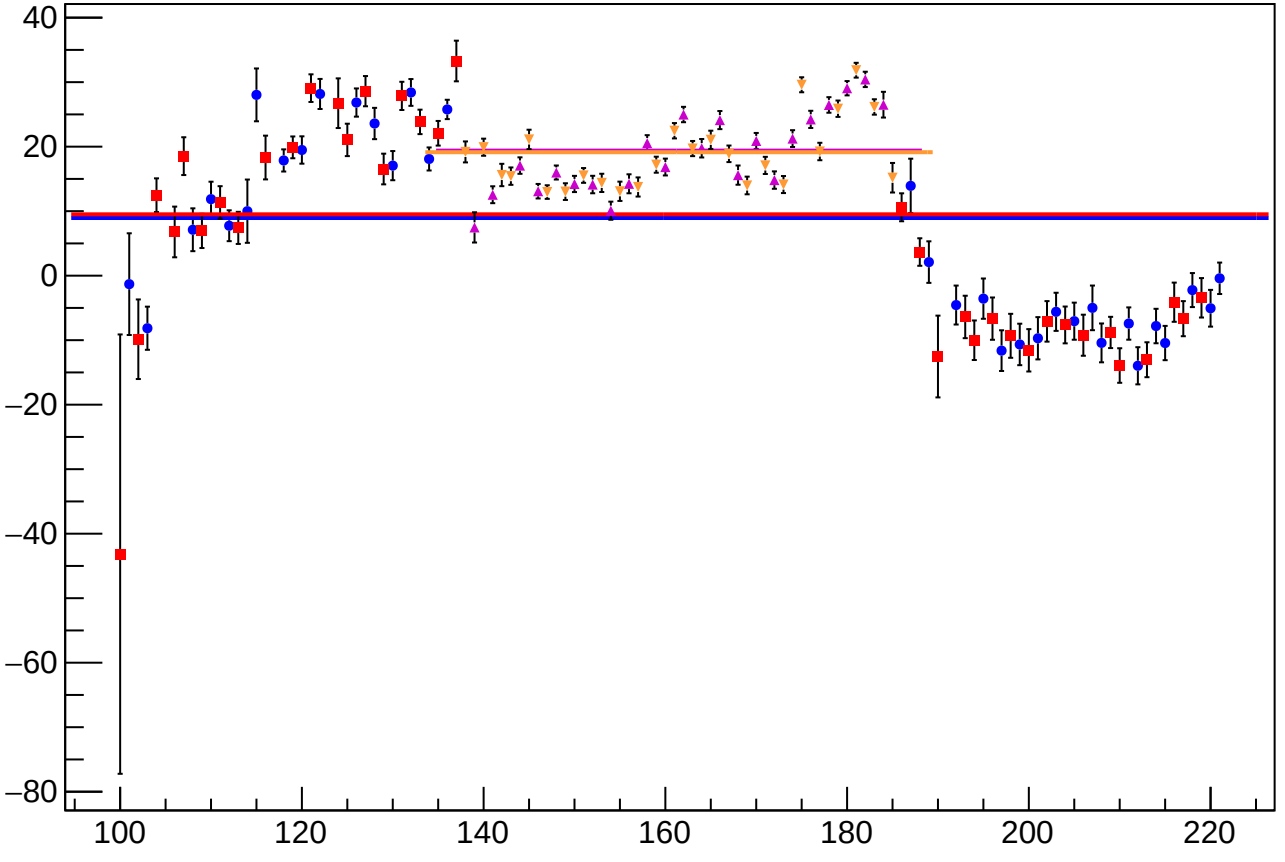
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 56.051+/-0.221 χ^2/NDF: 4752.8/58

All: 57.688+/-0.156 χ^2/NDF: 9685.9/117

- sign 59.318+/-0.221 χ^2/NDF: 4823.8/58

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 8.941+/-0.447 χ^2/NDF: 1049.5/33

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.510+/-0.449 χ^2/NDF: 1052.7/35

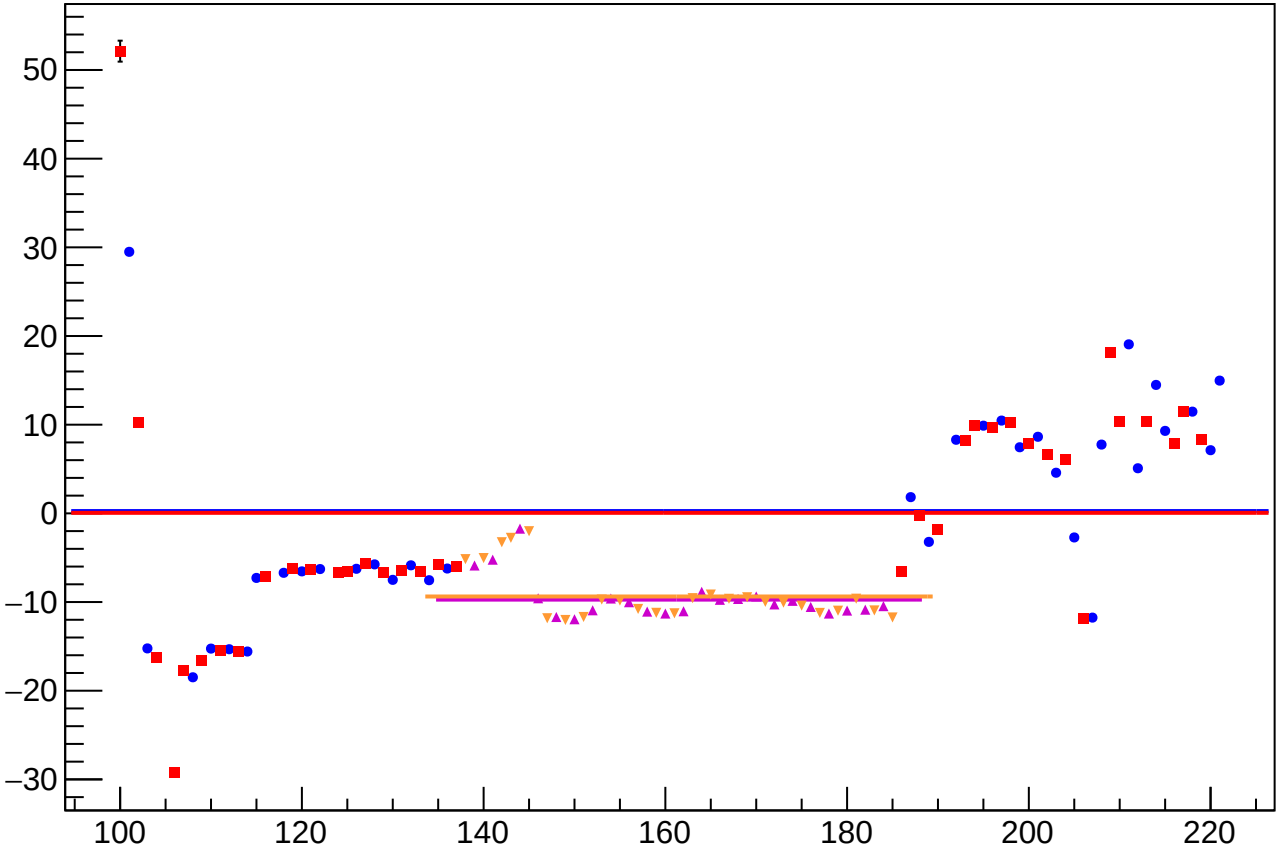
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 16.502+/-0.227 χ^2/NDF: 1868.9/58

All: 16.604+/-0.163 χ^2/NDF: 3743.1/117

- sign 16.712+/-0.234 χ^2/NDF: 1873.8/58

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: 0.258+/-0.022 χ^2/NDF: 229585.5/33

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: 0.061+/-0.022 χ^2/NDF: 248255.4/35

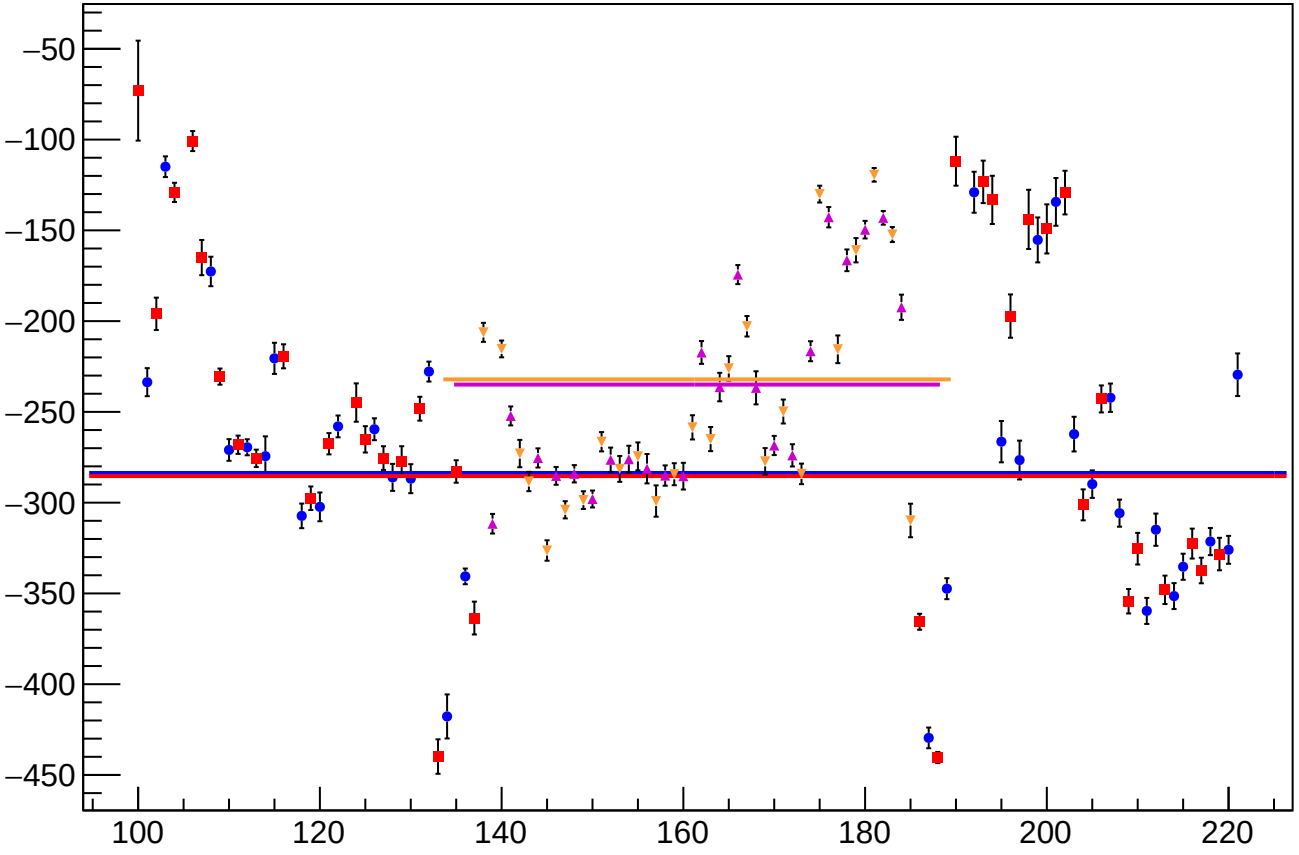
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.132+/-0.010 χ^2/NDF: 432553.4/58

All: -7.285+/-0.007 χ^2/NDF: 865412.0/117

- sign -7.444+/-0.011 χ^2/NDF: 432416.3/58

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -283.654+/-1.234 χ^2/NDF: 3211.6/33

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -285.354+/-1.139 χ^2/NDF: 7085.9/35

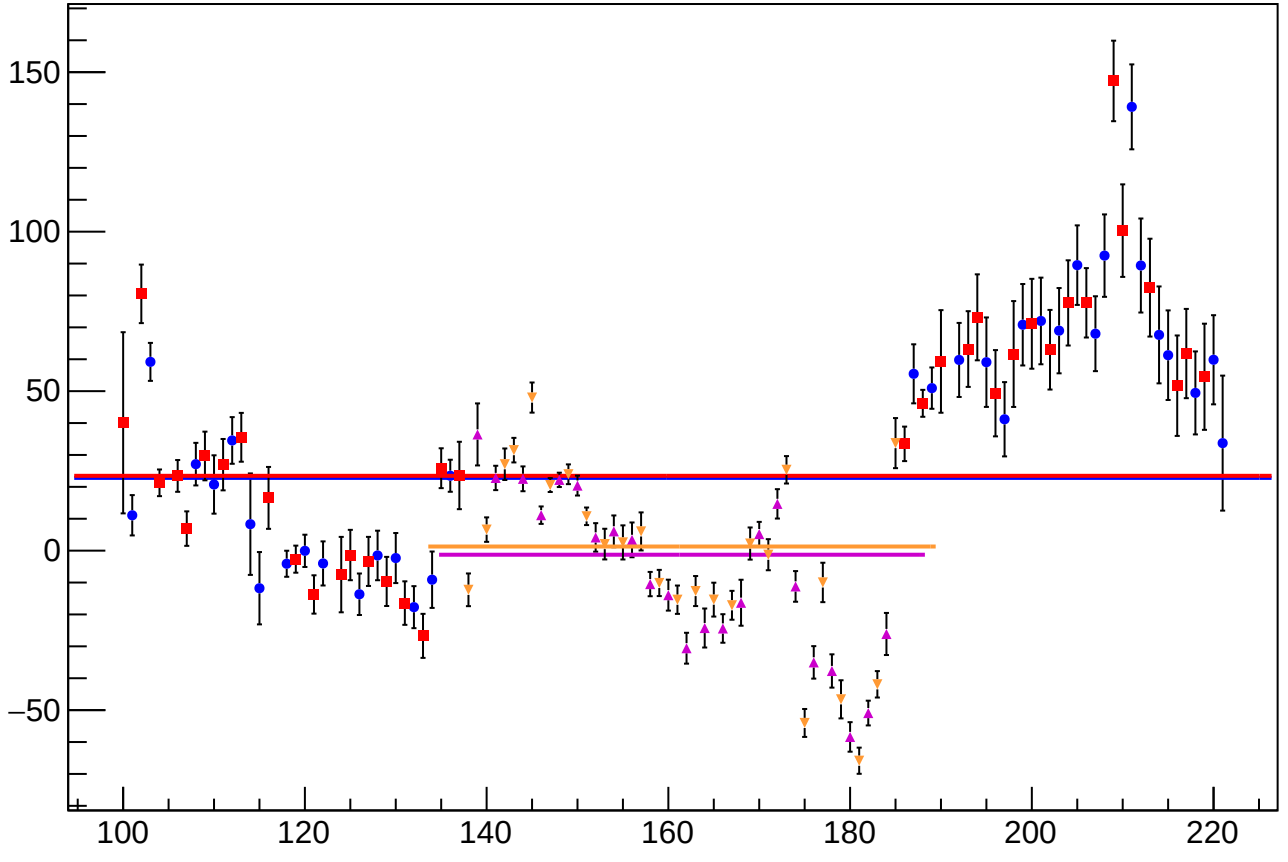
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -255.909+/-0.838 χ^2/NDF: 7421.5/58

All: -258.497+/-0.585 χ^2/NDF: 17944.6/117

- sign -260.960+/-0.818 χ^2/NDF: 10504.5/58

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 22.813+/-1.421 χ^2/NDF: 522.1/33

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.459+/-1.300 χ^2/NDF: 550.5/35

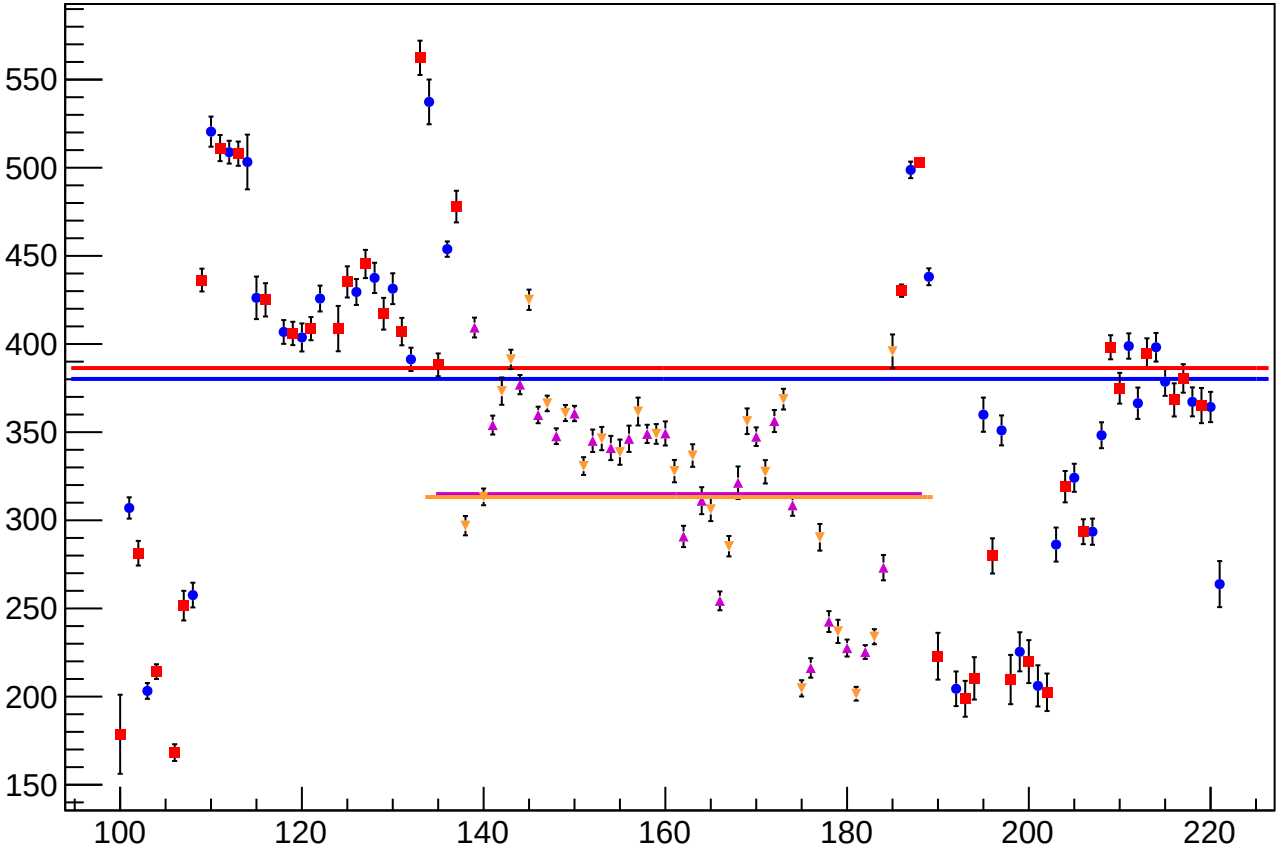
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 6.835+/-0.721 χ^2/NDF: 1741.7/58

All: 6.597+/-0.510 χ^2/NDF: 3354.1/117

\- sign 6.359+/-0.722 χ^2/NDF: 1612.1/58

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 380.200+/-1.261 χ^2/NDF: 5321.1/33

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.370+/-1.128 χ^2/NDF: 9710.3/35

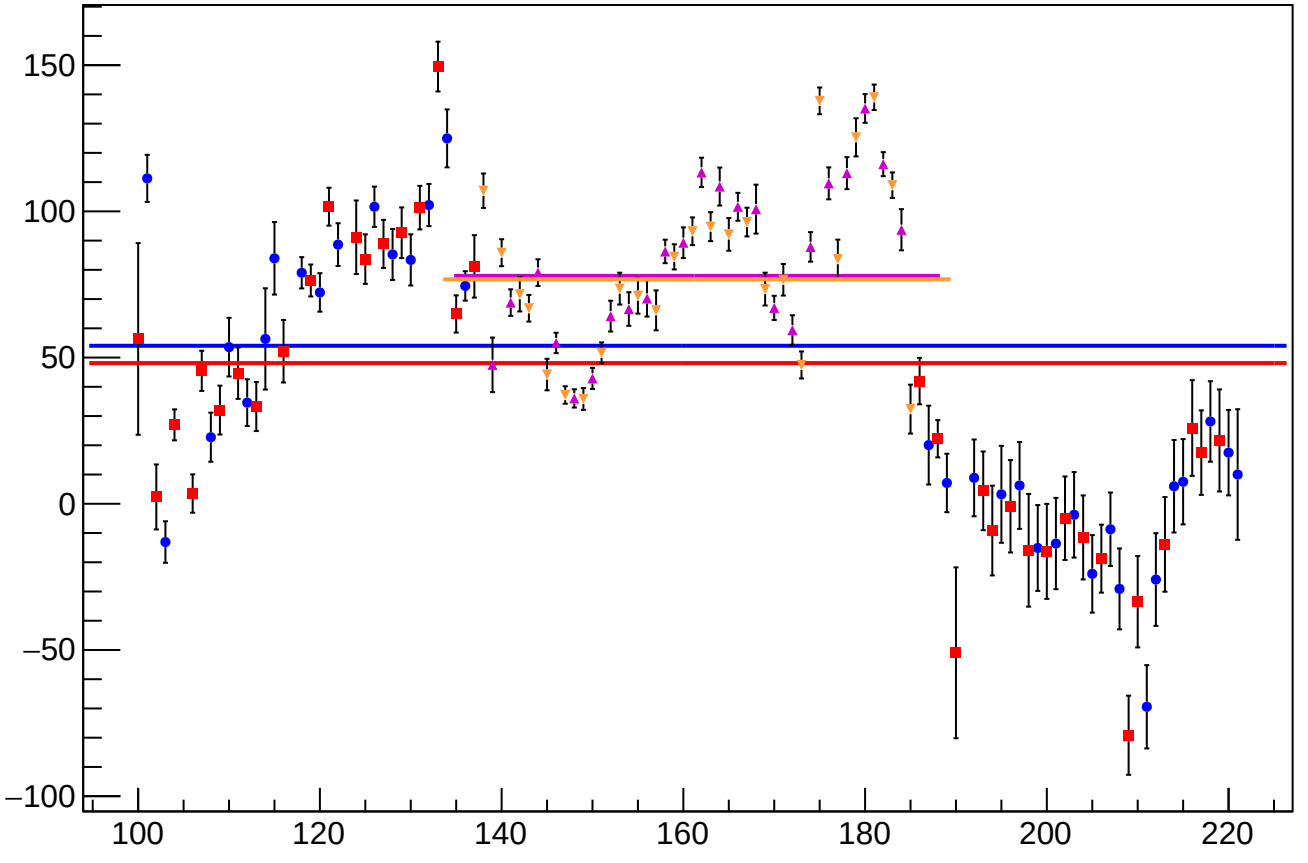
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.148+/-0.843 χ^2/NDF: 10017.5/58

All: 347.581+/-0.584 χ^2/NDF: 24160.7/117

- sign 351.662+/-0.809 χ^2/NDF: 14090.2/58

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.032+/-1.649 χ^2/NDF: 747.5/33

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.122+/-1.553 χ^2/NDF: 763.8/35

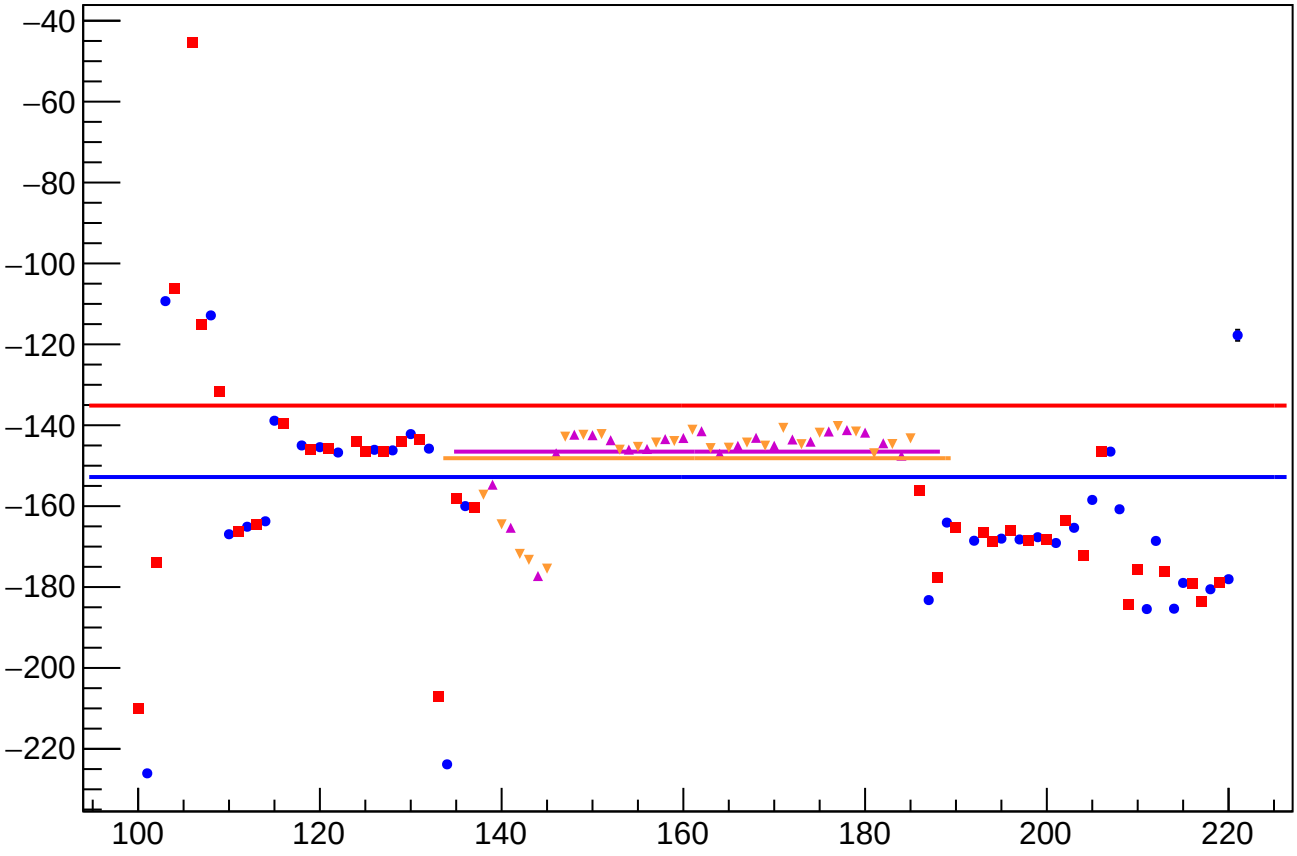
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 70.947+/-0.834 χ^2/NDF: 1924.2/58

All: 70.092+/-0.591 χ^2/NDF: 3734.8/117

- sign 69.227+/-0.839 χ^2/NDF: 1808.5/58

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -152.803+/-0.080 χ^2/NDF: 155160.8/33

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -135.137+/-0.074 χ^2/NDF: 368336.7/35

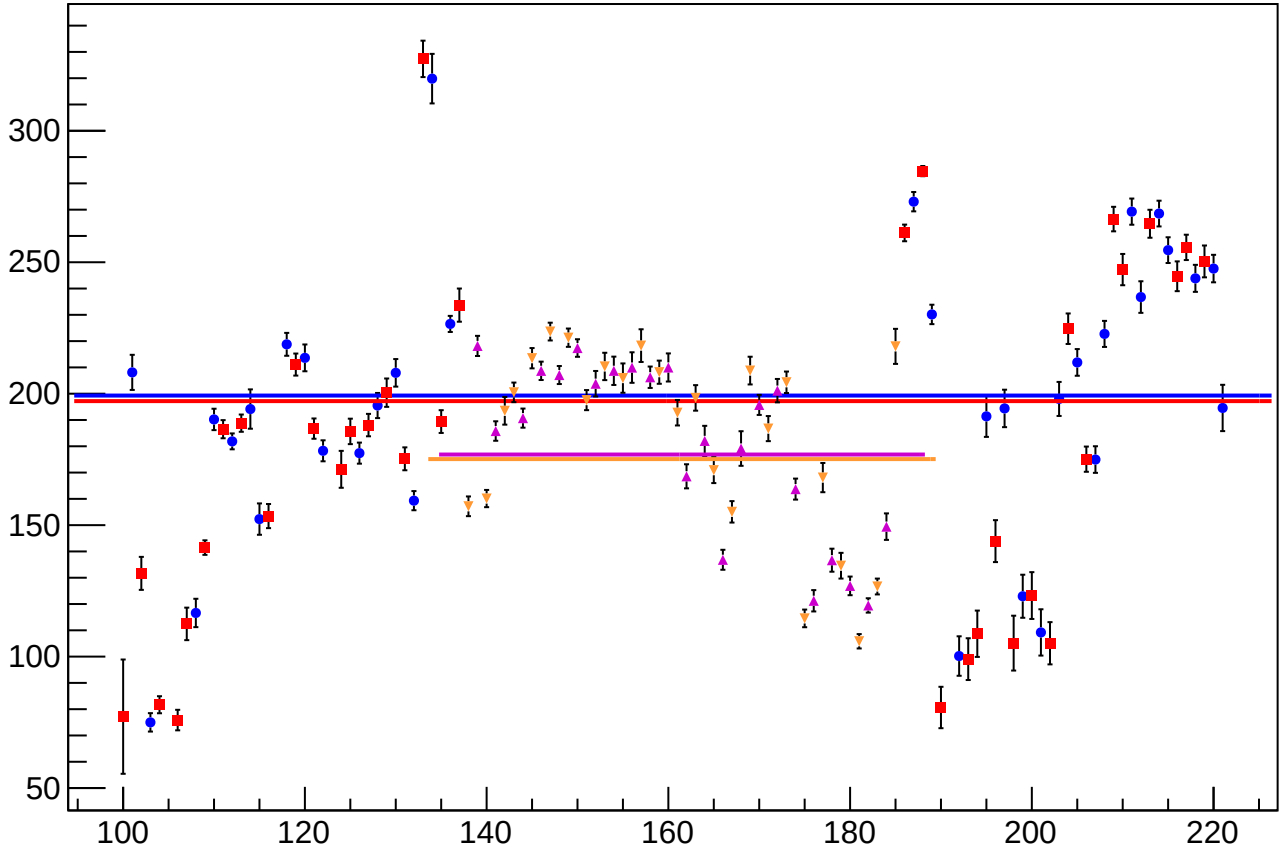
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -149.280+/-0.039 χ^2/NDF: 206661.7/58

All: -146.290+/-0.028 χ^2/NDF: 632921.2/117

- sign -143.374+/-0.039 χ^2/NDF: 414786.9/58

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 199.294+/-0.829 χ^2/NDF: 3665.5/33

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 197.179+/-0.757 χ^2/NDF: 7572.3/35

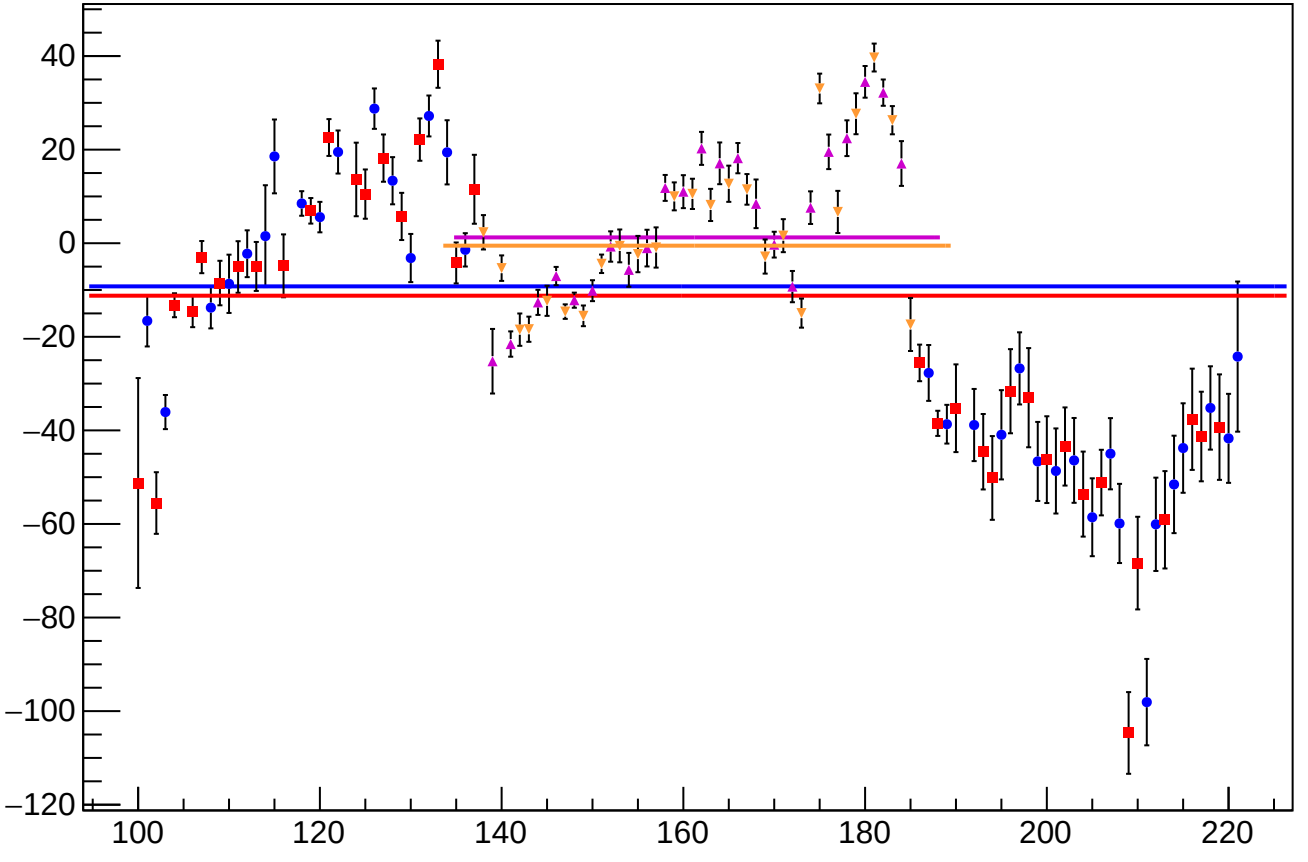
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 187.103+/-0.584 χ^2/NDF: 6389.1/58

All: 187.651+/-0.406 χ^2/NDF: 16039.3/117

- sign 188.163+/-0.564 χ^2/NDF: 9648.4/58

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -9.221+/-0.952 χ^2/NDF: 776.9/33

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.216+/-0.858 χ^2/NDF: 856.0/35

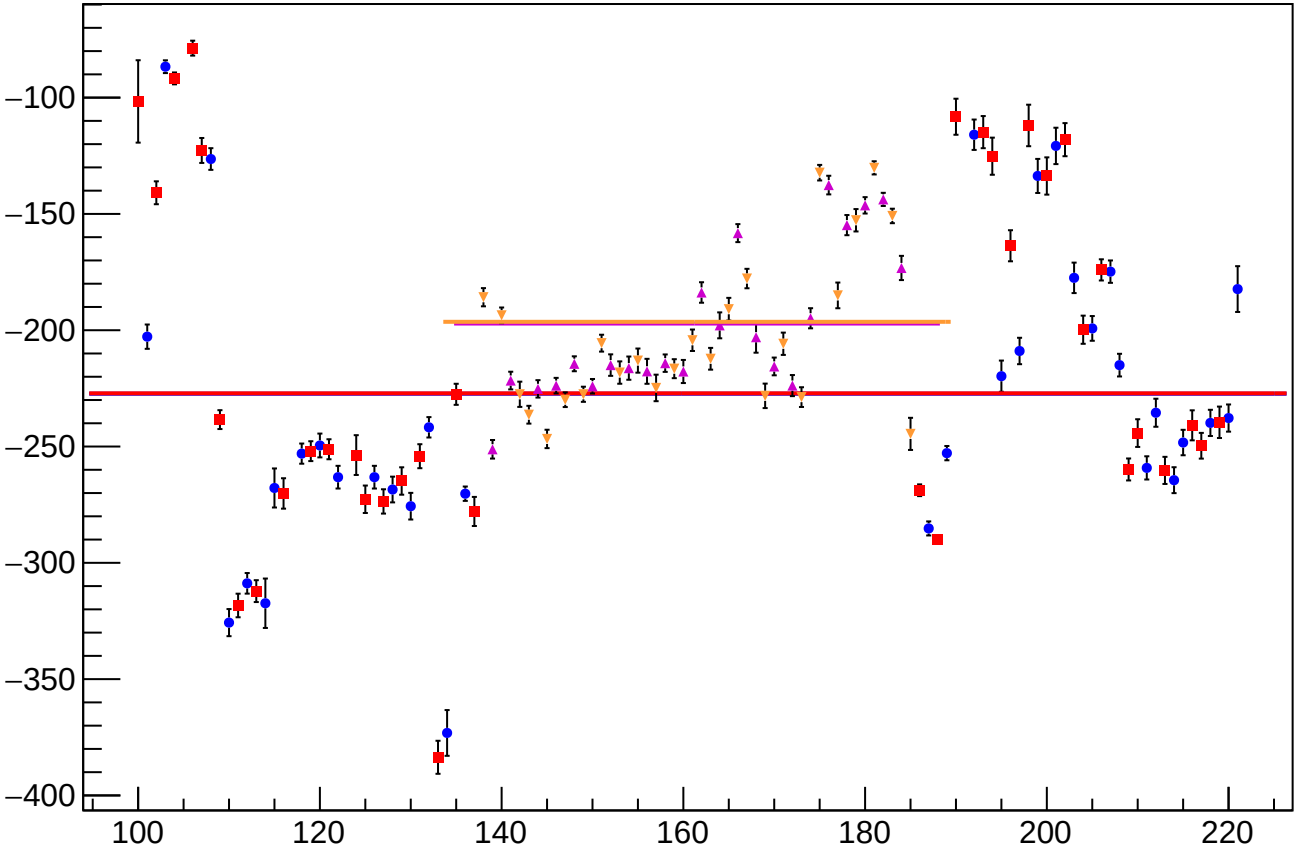
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -3.001+/-0.508 χ^2/NDF: 1561.1/58

All: -3.041+/-0.358 χ^2/NDF: 3175.4/117

- sign -3.081+/-0.505 χ^2/NDF: 1614.3/58

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.301+/-0.845 χ^2/NDF: 5971.0/33

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -227.129+/-0.746 χ^2/NDF: 10677.0/35

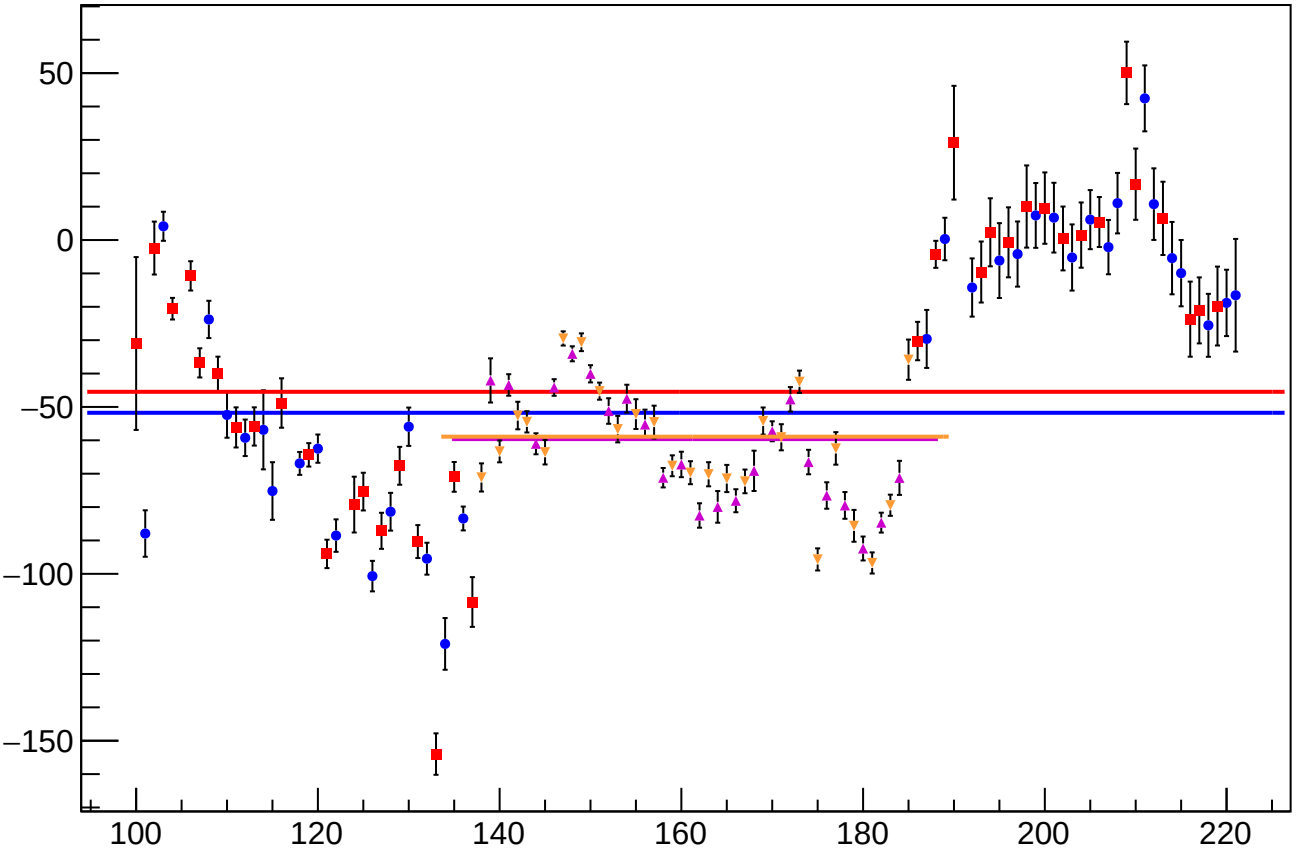
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -211.293+/-0.587 χ^2/NDF: 8661.6/58

All: -212.638+/-0.404 χ^2/NDF: 21666.4/117

- sign -213.847+/-0.557 χ^2/NDF: 12994.8/58

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -51.755+/-1.108 χ^2/NDF: 1228.7/33

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.469+/-1.028 χ^2/NDF: 1433.8/35

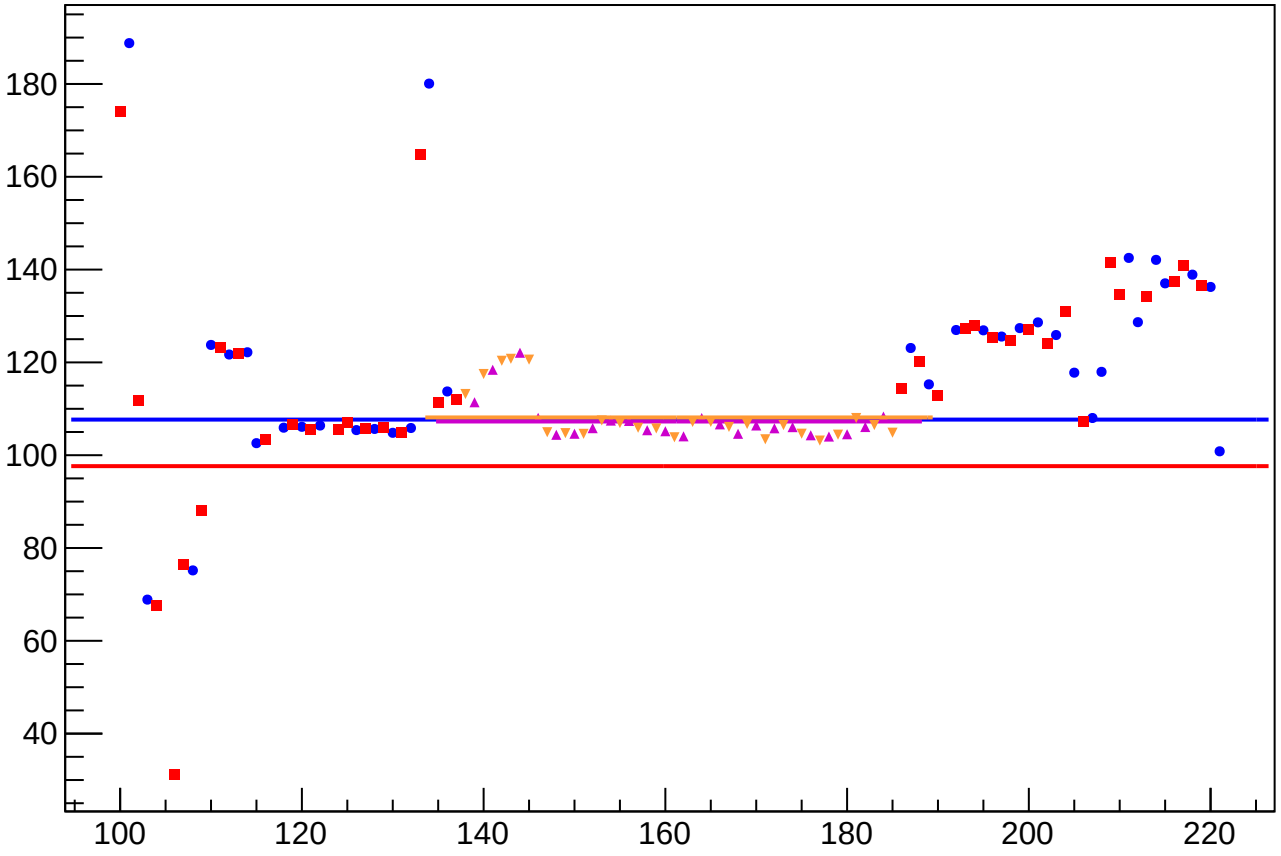
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -56.891+/-0.589 χ^2/NDF: 2041.1/58

All: -55.939+/-0.416 χ^2/NDF: 4204.9/117

\- sign -54.986+/-0.589 χ^2/NDF: 2158.5/58

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 107.675+/-0.053 χ^2/NDF: 294436.4/33

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

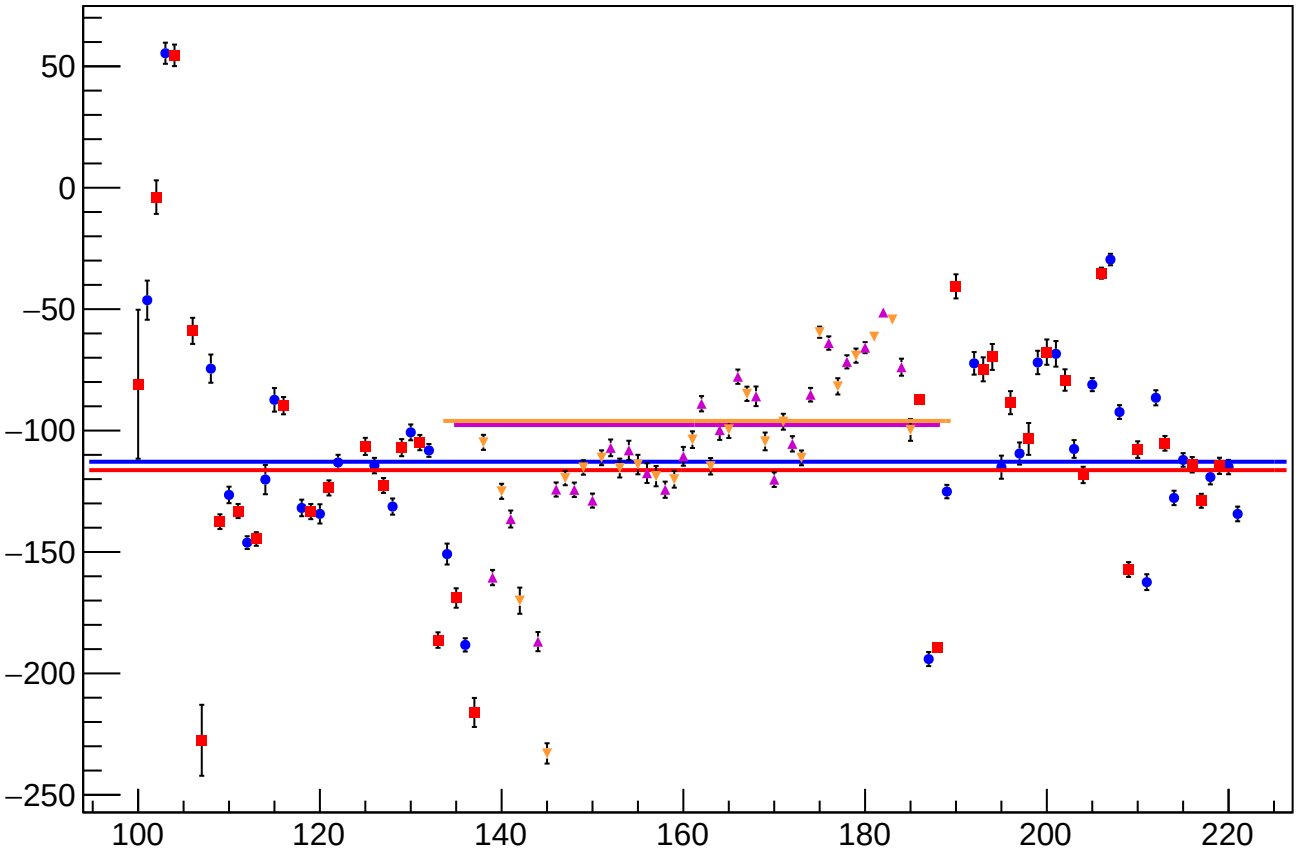
Right Out: 97.642+/-0.050 χ^2/NDF: 421403.7/35

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 108.011+/-0.028 χ^2/NDF: 320911.3/58

All: 106.157+/-0.019 χ^2/NDF: 794147.9/117

- sign 104.343+/-0.027 χ^2/NDF: 464374.7/58



Right In: -112.835+/-0.576 χ^2/NDF: 5590.7/33

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

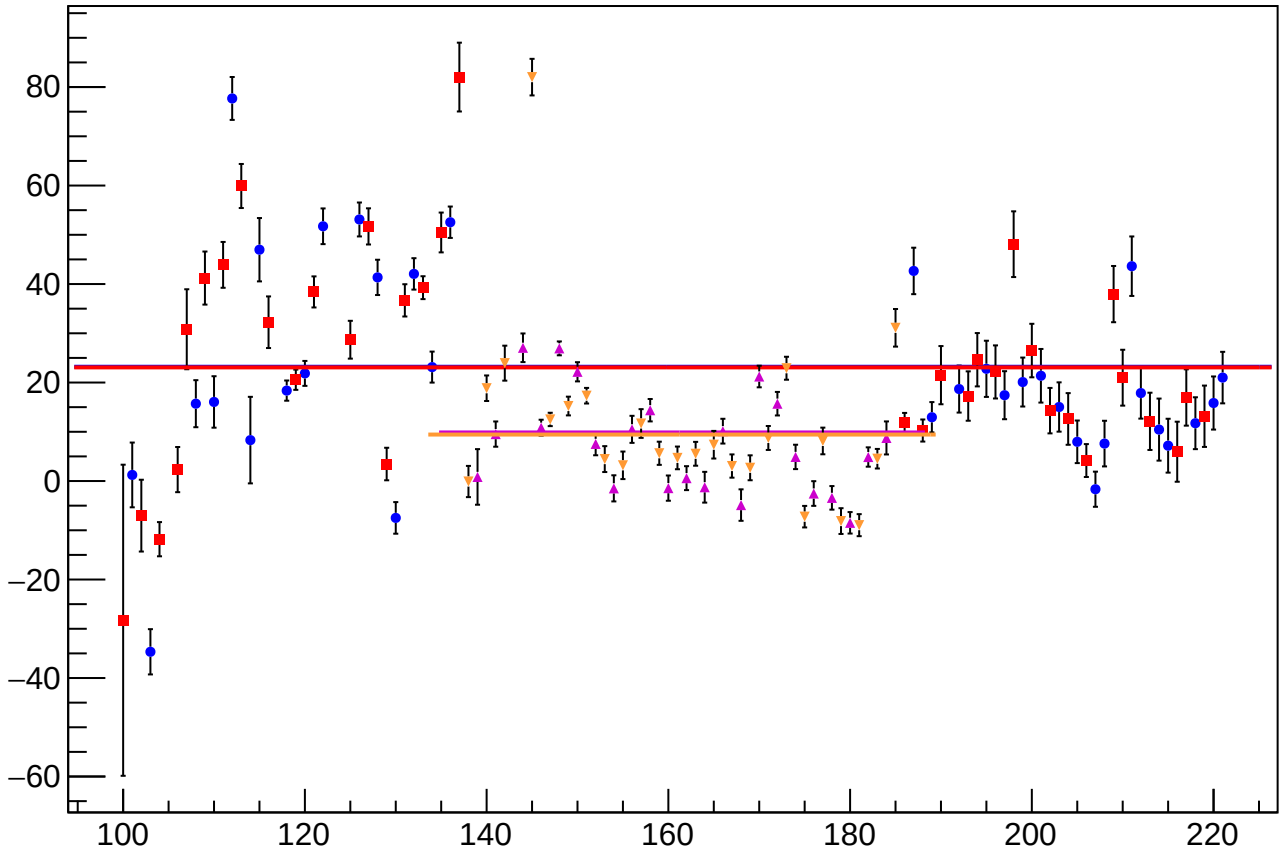
Right Out: -116.291+/-0.558 χ^2/NDF: 7536.1/34

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -105.242+/-0.427 χ^2/NDF: 8746.0/57

All: -106.768+/-0.299 χ^2/NDF: 19428.2/115

- sign -108.247+/-0.420 χ^2/NDF: 10657.0/57



Right In: 23.204+/-0.697 χ^2/NDF: 865.2/33

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

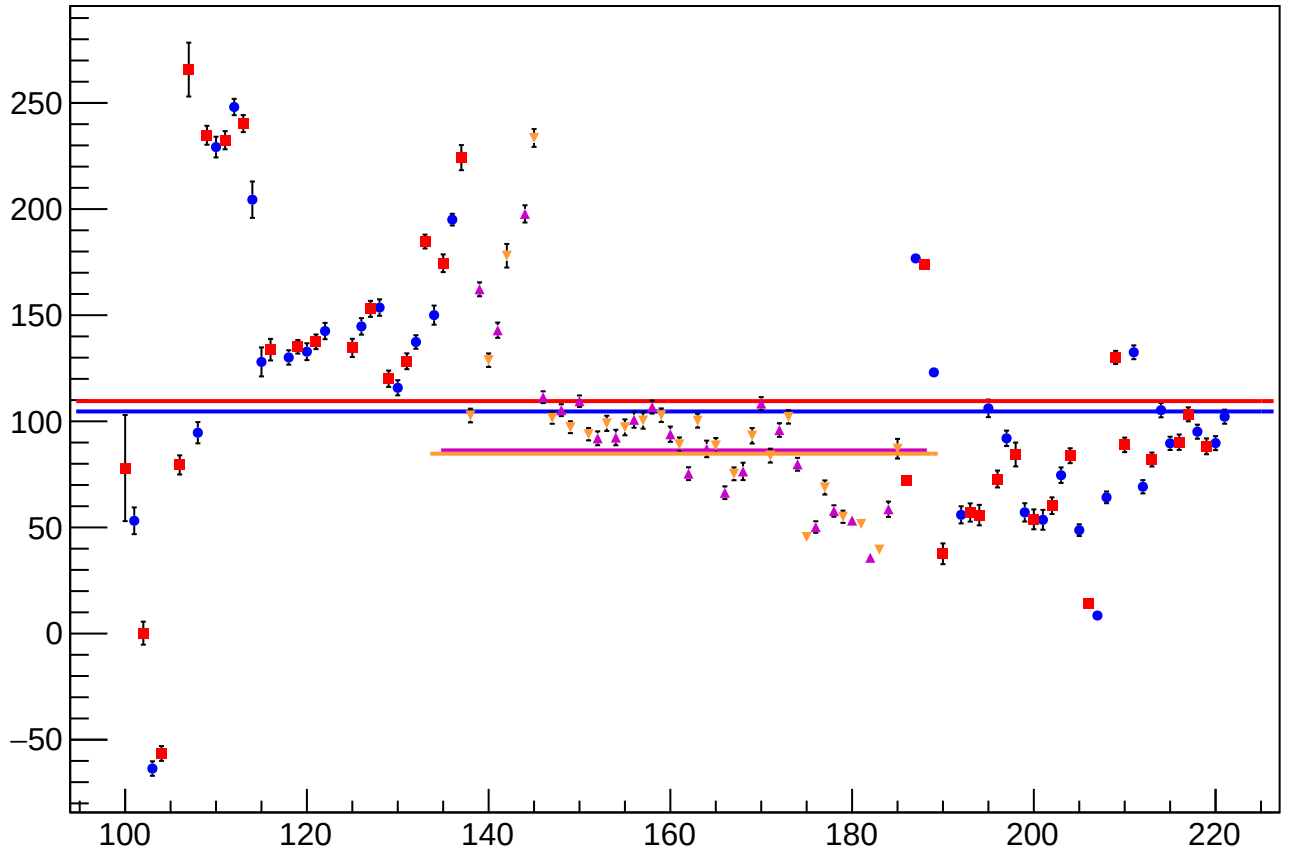
Right Out: 23.075+/-0.667 χ^2/NDF: 691.7/34

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.841+/-0.394 χ^2/NDF: 1866.8/57

All: 14.146+/-0.278 χ^2/NDF: 3300.9/115

\- sign 14.450+/-0.393 χ^2/NDF: 1432.9/57



Right In: 104.651+/-0.593 χ^2/NDF: 10574.7/33

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

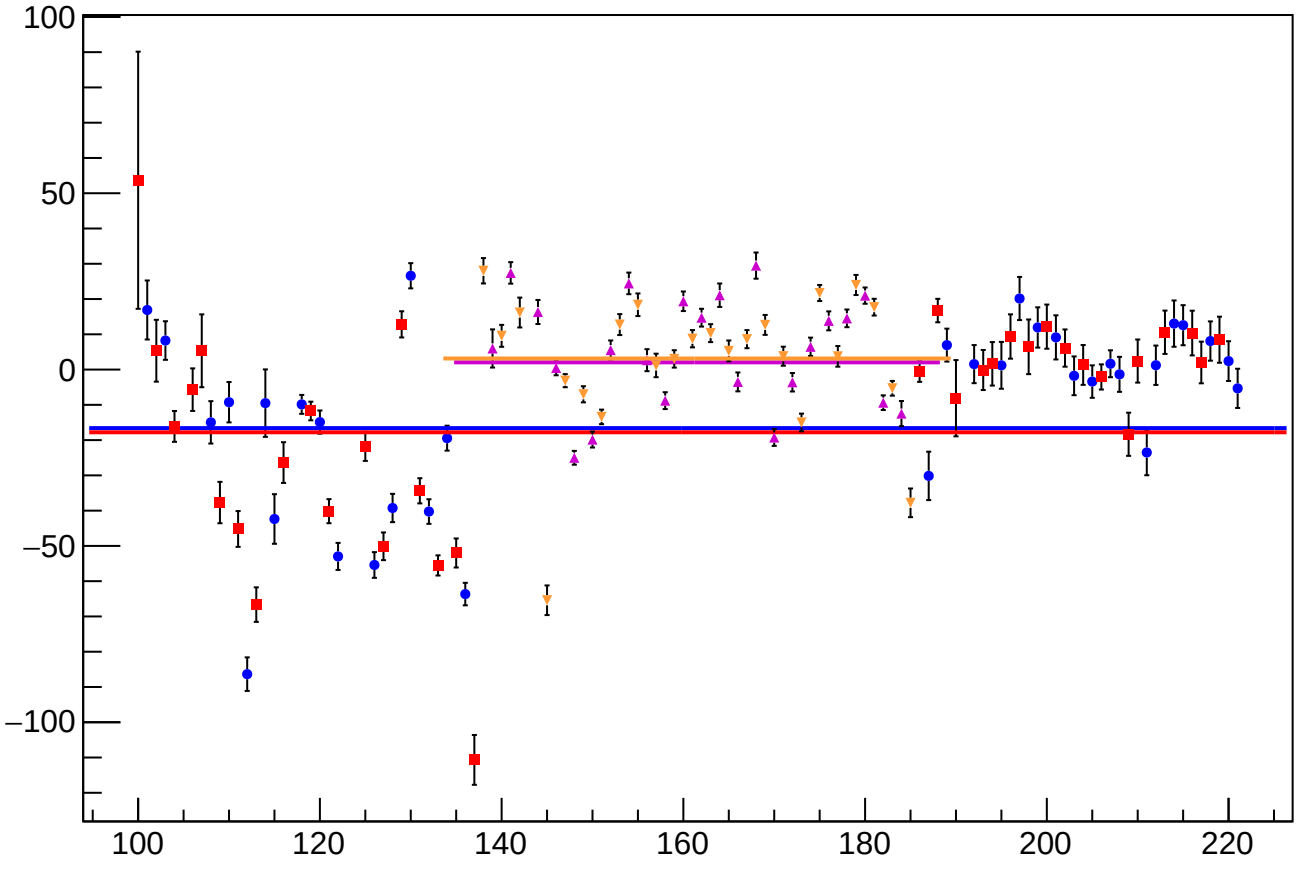
Right Out: 109.523+/-0.549 χ^2/NDF: 13326.3/34

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.293+/-0.432 χ^2/NDF: 14214.6/57

All: 97.499+/-0.299 χ^2/NDF: 31513.7/115

\- sign 99.534+/-0.414 χ^2/NDF: 17248.9/57



Right In: -16.600+/-0.801 χ^2/NDF: 1186.2/33

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

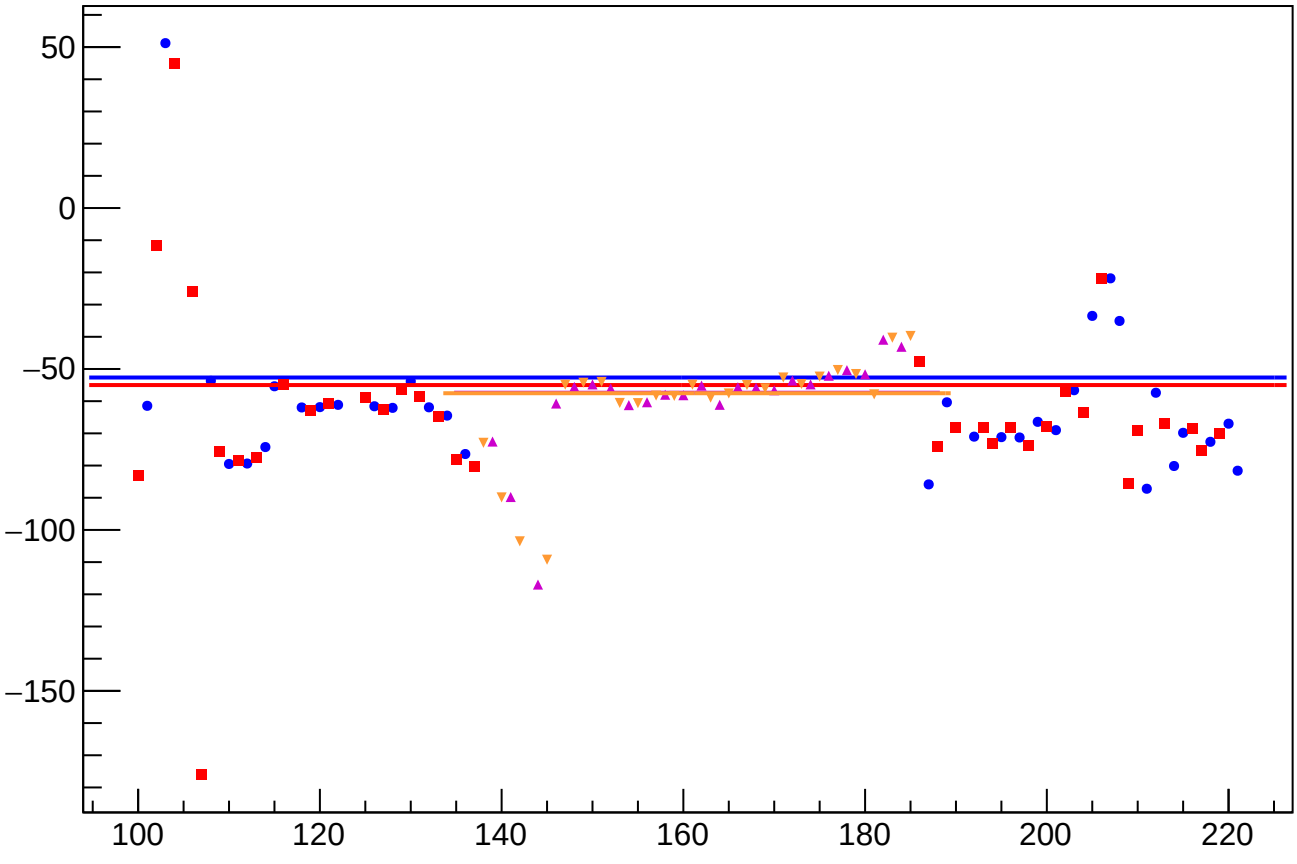
Right Out: -17.782+/-0.794 χ^2/NDF: 1128.5/34

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.083+/-0.450 χ^2/NDF: 2416.6/57

All: -3.735+/-0.319 χ^2/NDF: 4821.2/115

- sign -4.396+/-0.453 χ^2/NDF: 2400.4/57



Right In: -52.650+/-0.039 χ^2/NDF: 743115.6/33

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.993+/-0.040 χ^2/NDF: 643350.9/34

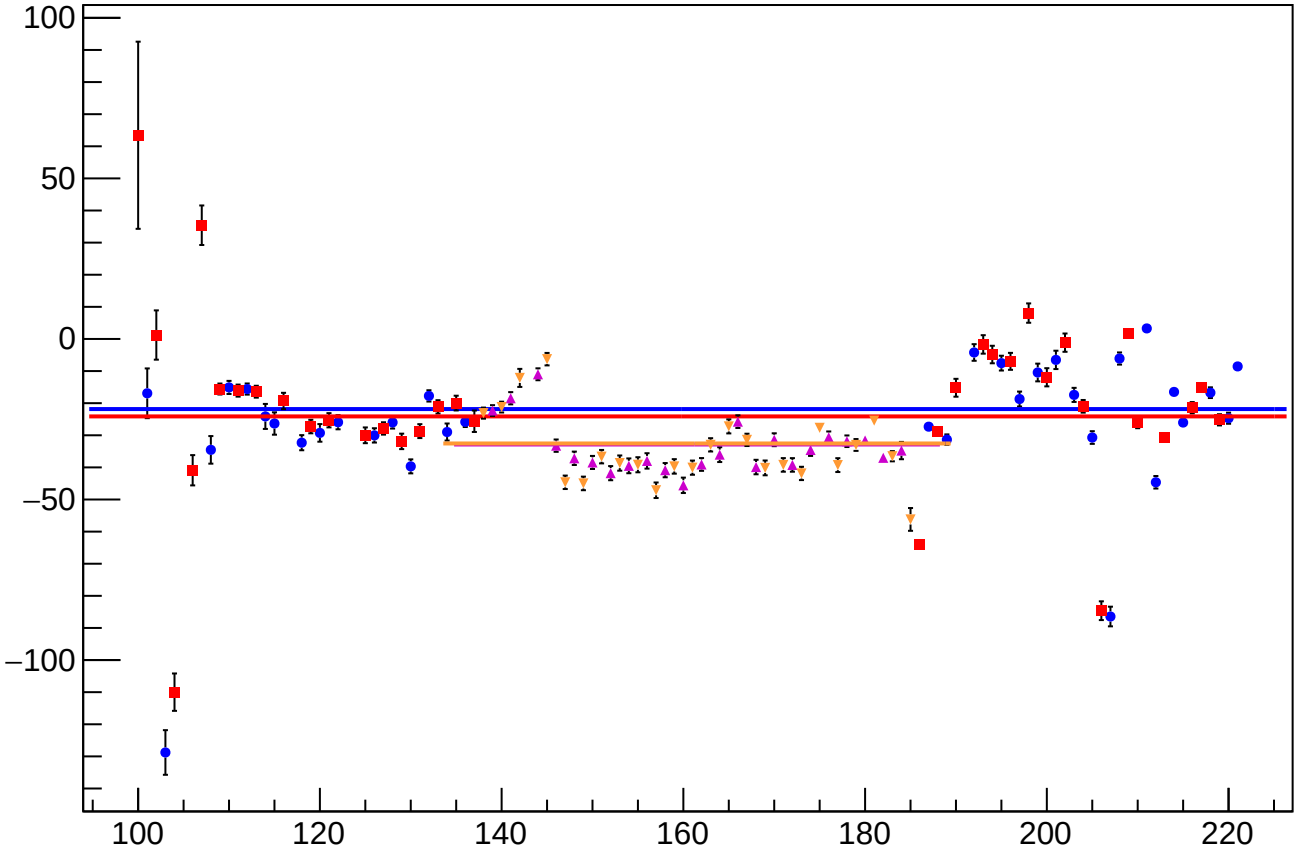
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.129+/-0.021 χ^2/NDF: 1021315.1/57

All: -56.418+/-0.015 χ^2/NDF: 1894783.0/115

\- sign -56.709+/-0.021 χ^2/NDF: 873085.1/57

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -21.832+/-0.351 χ^2/NDF: 1638.9/33

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

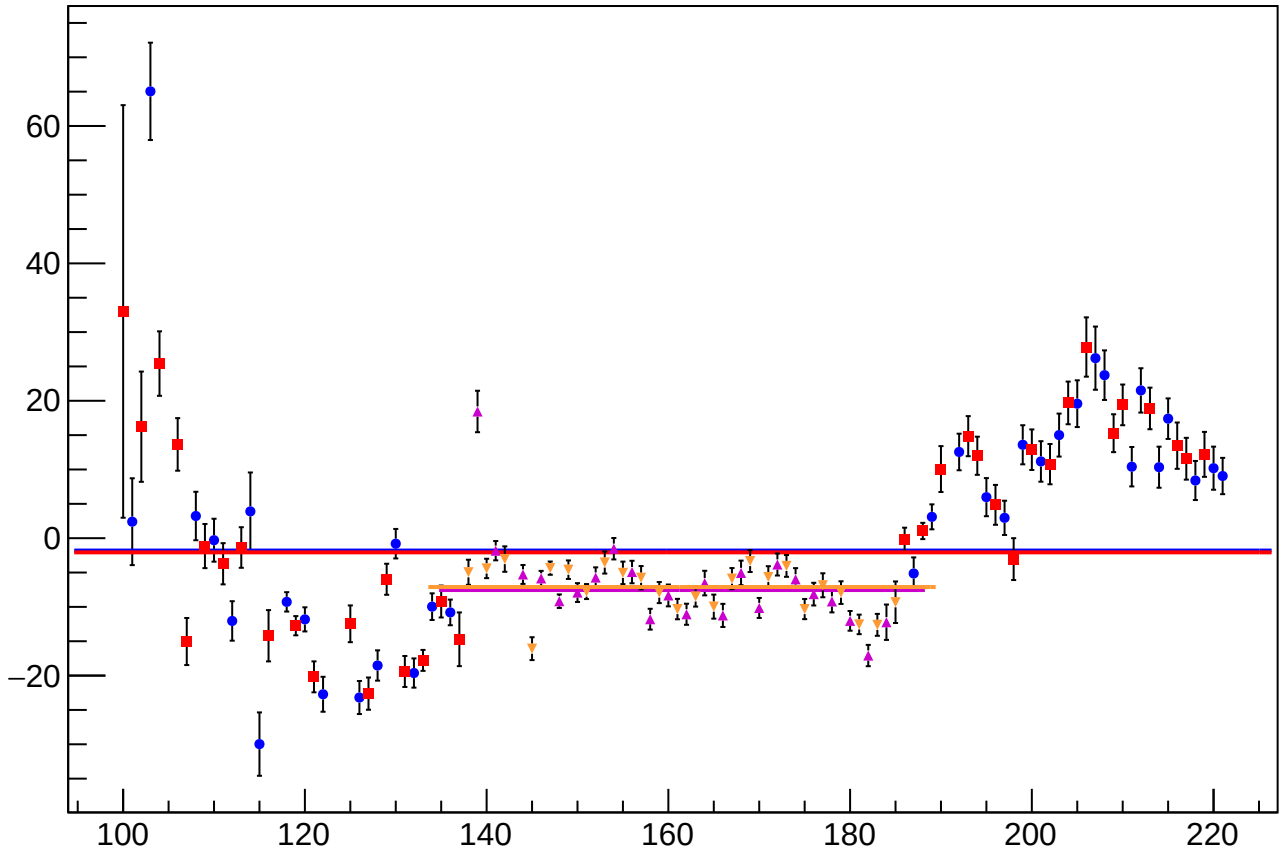
Right Out: -24.122+/-0.345 χ^2/NDF: 2422.2/34

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -26.404+/-0.266 χ^2/NDF: 2640.9/57

All: -27.073+/-0.187 χ^2/NDF: 5714.1/115

\- sign -27.735+/-0.264 χ^2/NDF: 3060.6/57



Right In: -1.802+/-0.445 χ^2/NDF: 946.3/33

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

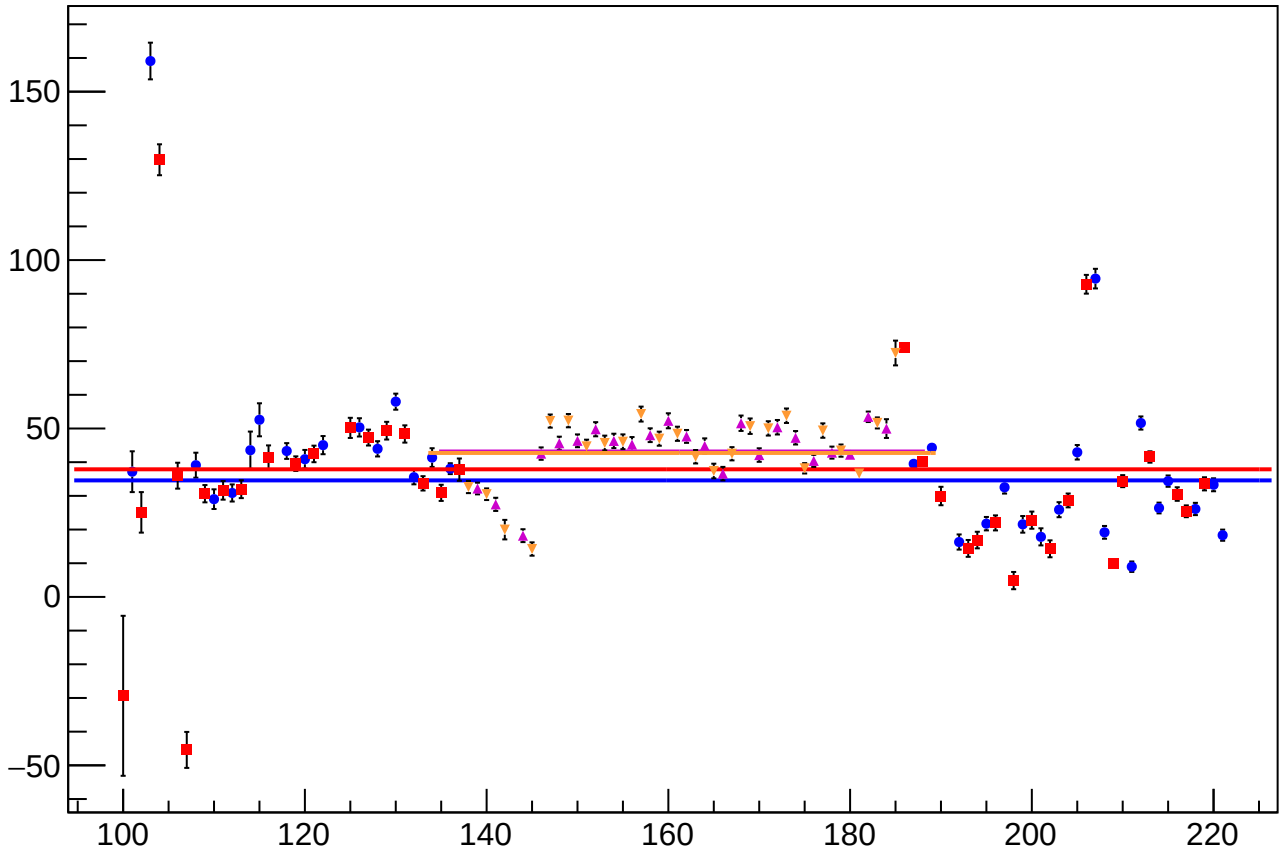
Right Out: -2.062+/-0.432 χ^2/NDF: 914.8/34

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -5.379+/-0.254 χ^2/NDF: 1151.9/57

All: -5.512+/-0.180 χ^2/NDF: 2372.0/115

- sign -5.645+/-0.255 χ^2/NDF: 1219.6/57



Right In: 34.594+/-0.361 χ^2/NDF: 2000.5/33

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

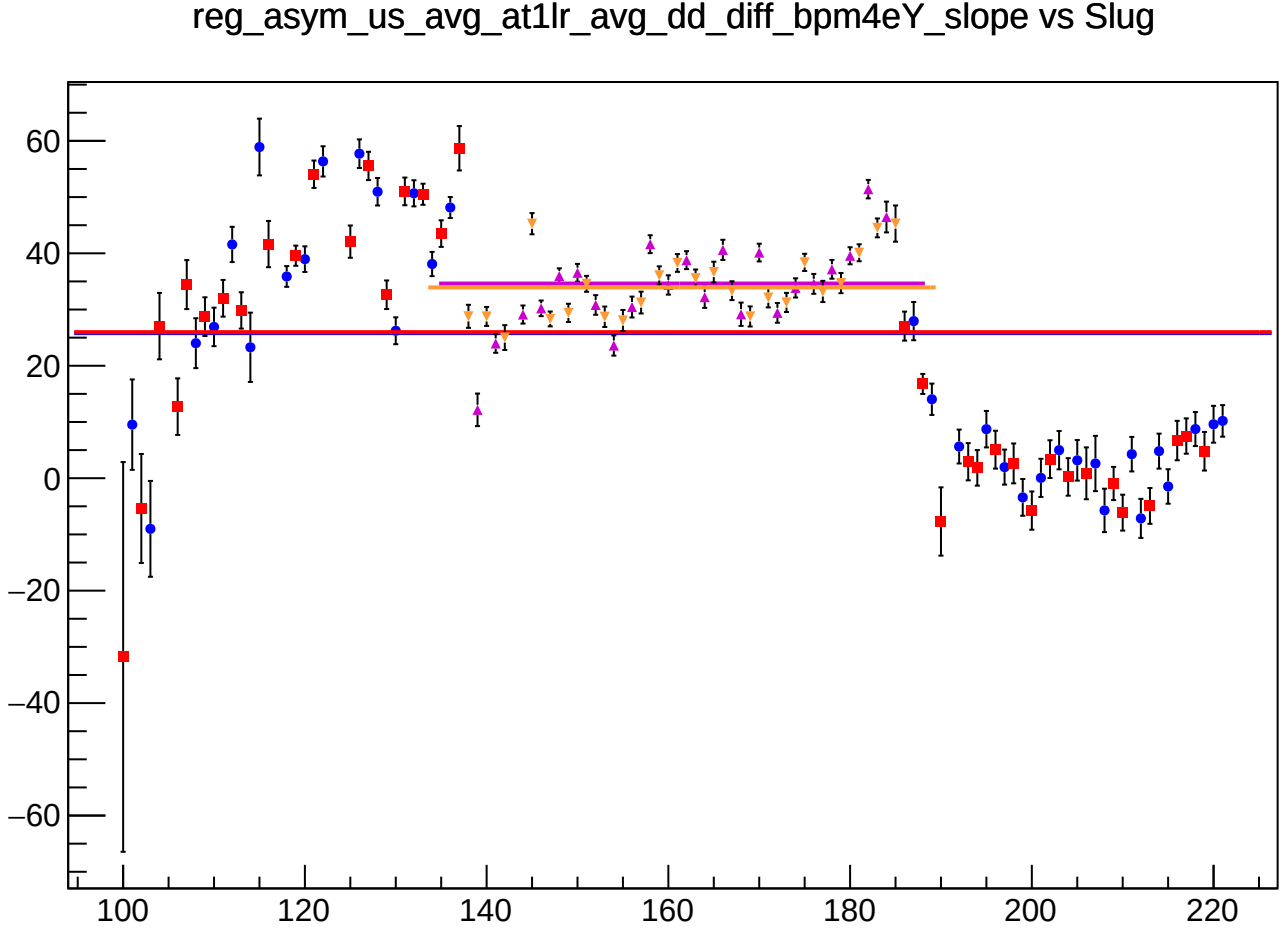
Right Out: 37.885+/-0.343 χ^2/NDF: 3149.7/34

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 38.220+/-0.269 χ^2/NDF: 2858.8/57

All: 39.172+/-0.188 χ^2/NDF: 6544.5/115

- sign 40.077+/-0.262 χ^2/NDF: 3661.3/57



Right In: 25.809+/-0.510 χ^2/NDF: 1637.4/33

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

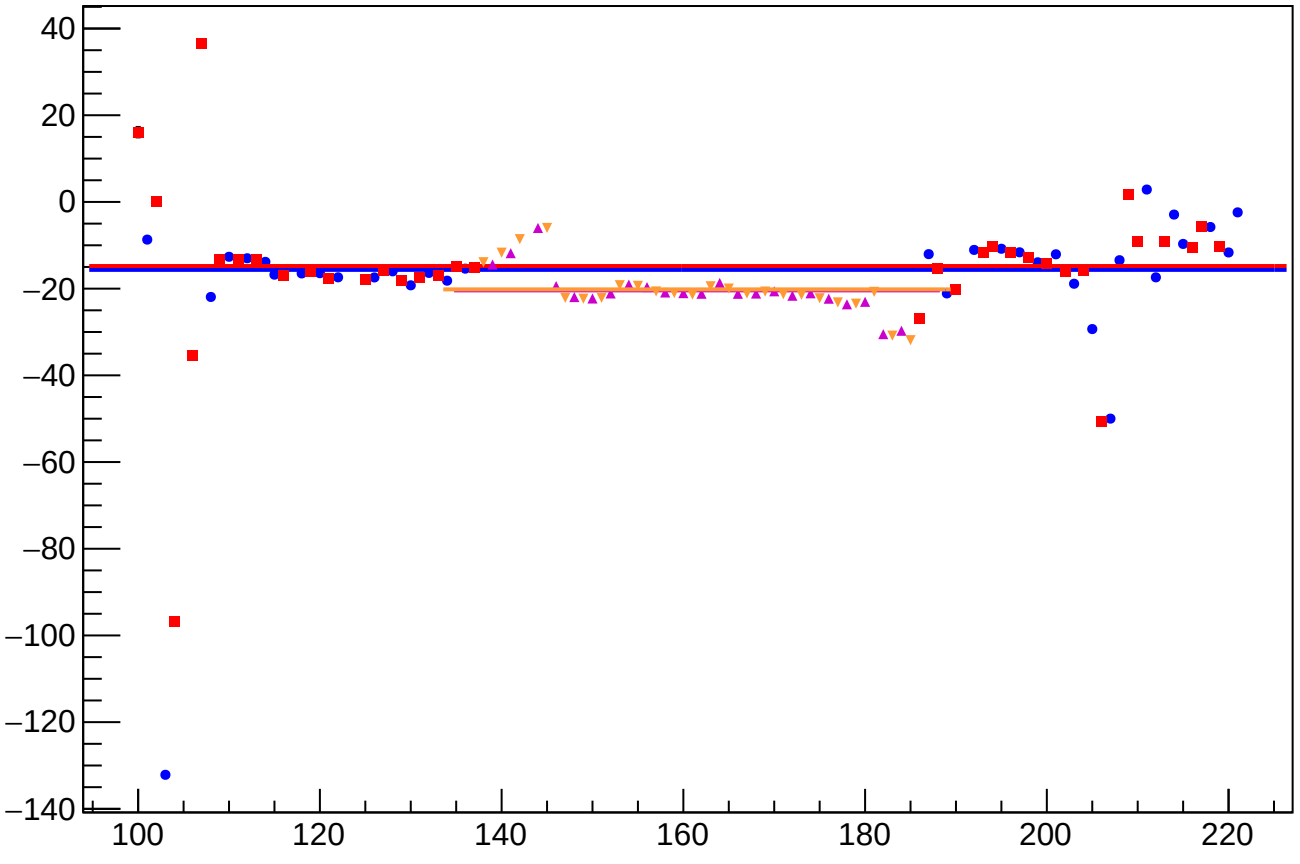
Right Out: 25.978+/-0.512 χ^2/NDF: 1658.3/34

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 31.324+/-0.289 χ^2/NDF: 2026.0/57

All: 31.561+/-0.206 χ^2/NDF: 4253.8/115

- sign 31.804+/-0.292 χ^2/NDF: 2226.5/57



Right In: -15.669+/-0.025 χ^2/NDF: 342713.0/33

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -14.783+/-0.025 χ^2/NDF: 279239.2/34

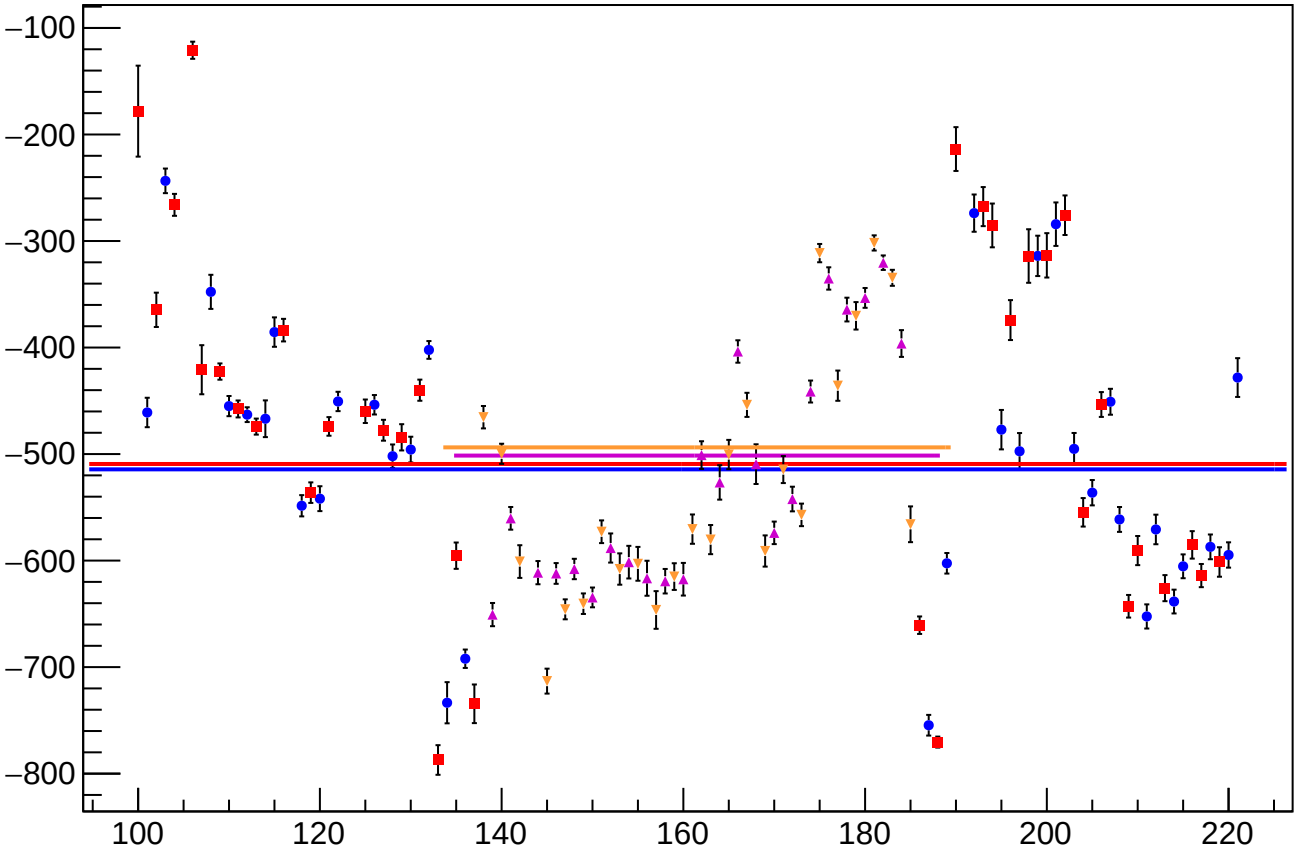
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -18.896+/-0.013 χ^2/NDF: 465802.3/57

All: -18.854+/-0.009 χ^2/NDF: 861923.6/115

- sign -18.812+/-0.013 χ^2/NDF: 396101.4/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -514.361+/-1.990 χ^2/NDF: 3348.4/33

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

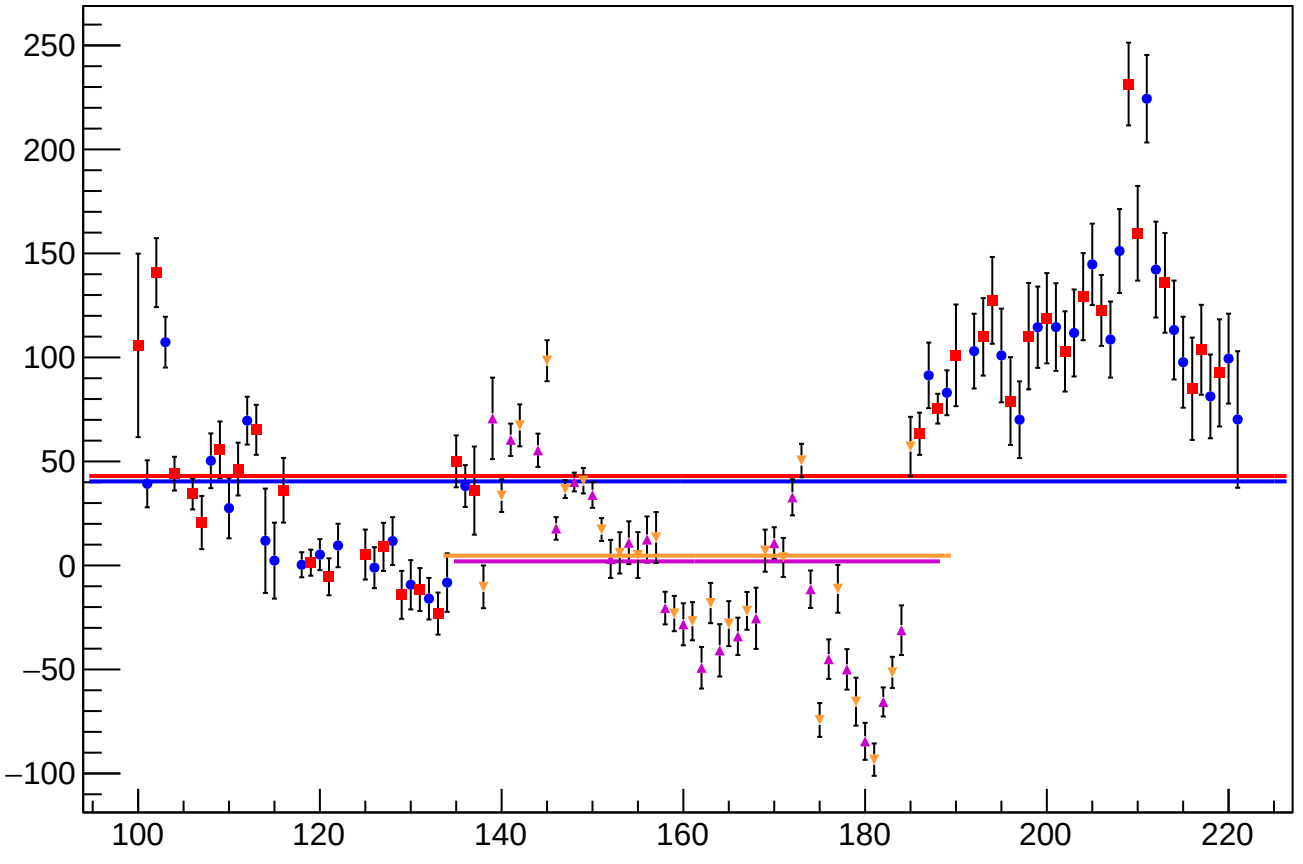
Right Out: -509.307+/-1.863 χ^2/NDF: 8330.4/34

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -505.502+/-1.504 χ^2/NDF: 6544.6/57

All: -505.861+/-1.044 χ^2/NDF: 17571.4/115

- sign -506.194+/-1.449 χ^2/NDF: 11026.8/57



Right In: 40.415+/-2.286 χ^2/NDF: 487.7/33

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 43.001+/-2.152 χ^2/NDF: 509.5/34

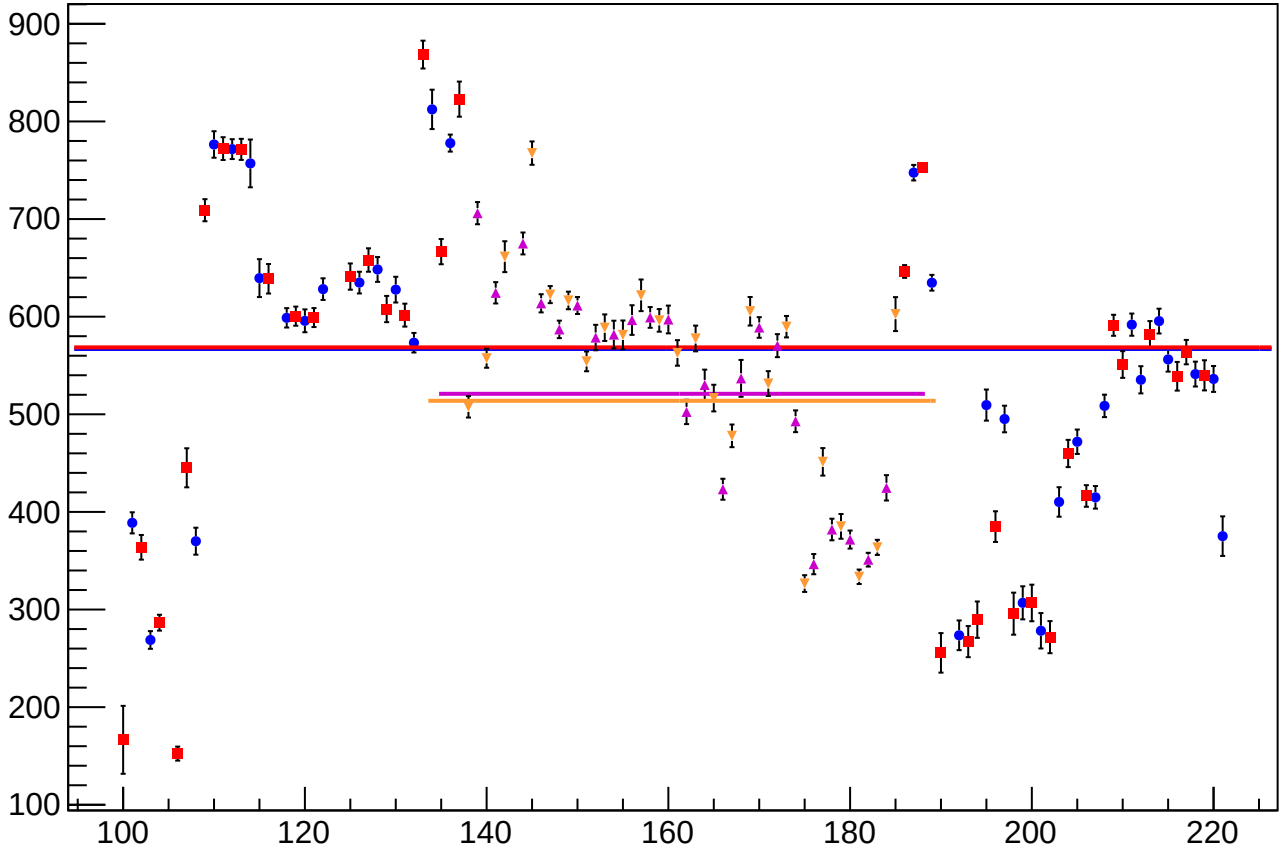
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

\+ sign 17.379+/-1.362 χ^2/NDF: 1325.4/57

All: 17.686+/-0.957 χ^2/NDF: 2617.4/115

\- sign 17.984+/-1.345 χ^2/NDF: 1292.0/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 566.940+/-2.070 χ^2/NDF: 5117.7/33

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

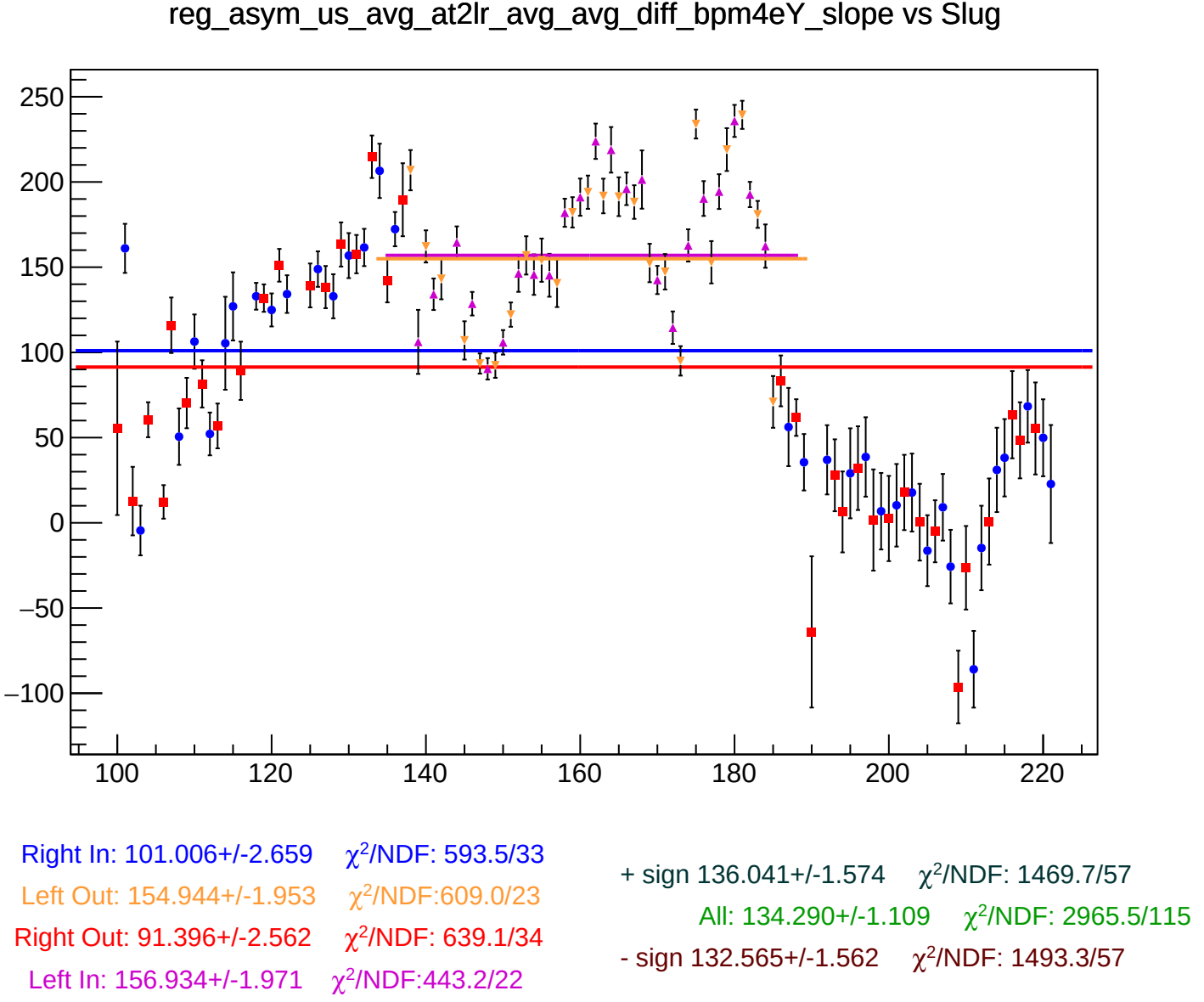
Right Out: 568.544+/-1.876 χ^2/NDF: 10681.7/34

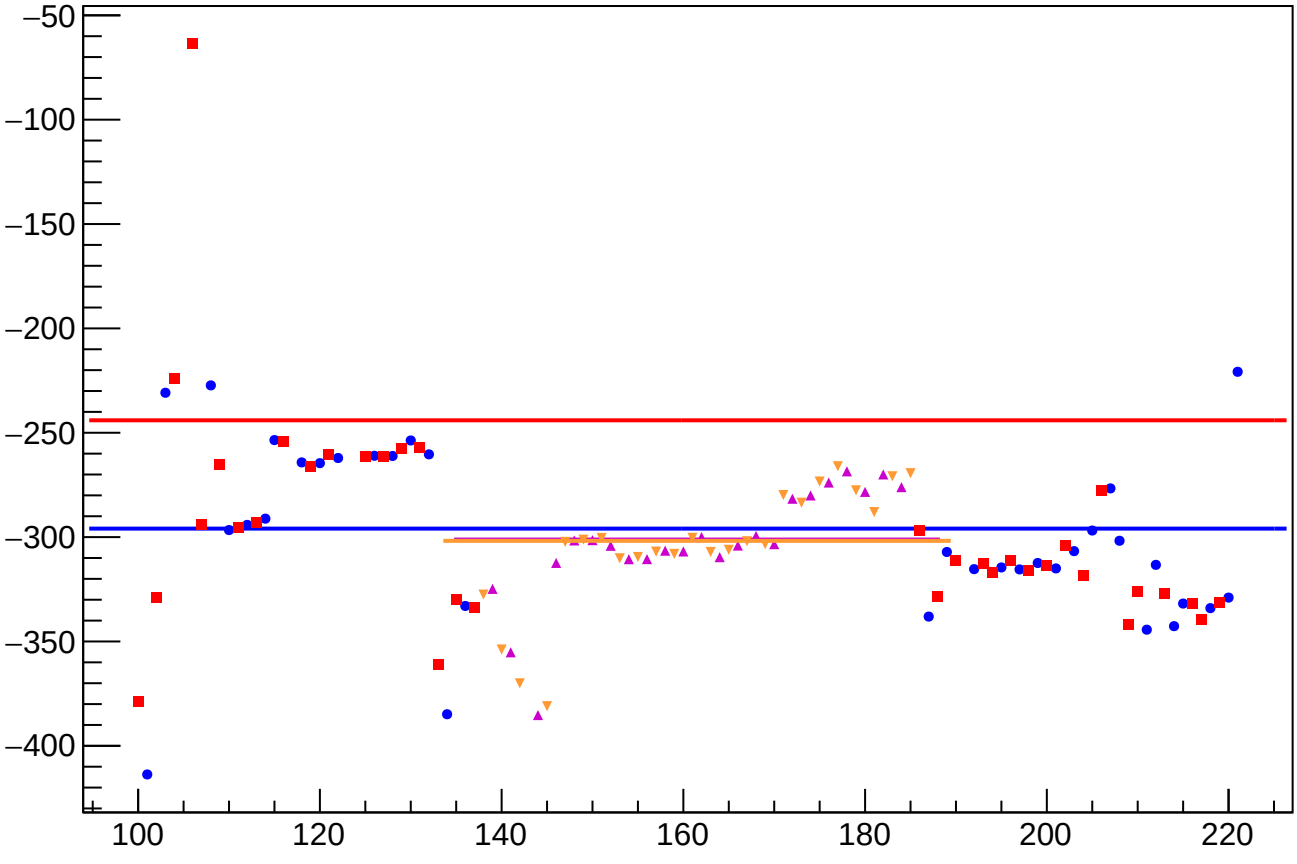
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 542.906+/-1.532 χ^2/NDF: 8151.1/57

All: 546.322+/-1.053 χ^2/NDF: 21543.9/115

- sign 549.381+/-1.449 χ^2/NDF: 13383.4/57


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
220
Right In: 101.006+/-2.659 χ²/NDF: 593.5/33
Left Out: 154.944+/-1.953 χ²/NDF:609.0/23
Right Out: 91.396+/-2.562 χ²/NDF: 639.1/34
Left In: 156.934+/-1.971 χ²/NDF:443.2/22
+ sign 136.041+/-1.574 χ²/NDF: 1469.7/57
All: 134.290+/-1.109 χ²/NDF: 2965.5/115
- sign 132.565+/-1.562 χ²/NDF: 1493.3/57



Right In: -295.924+/-0.136 χ^2/NDF: 121290.5/33

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

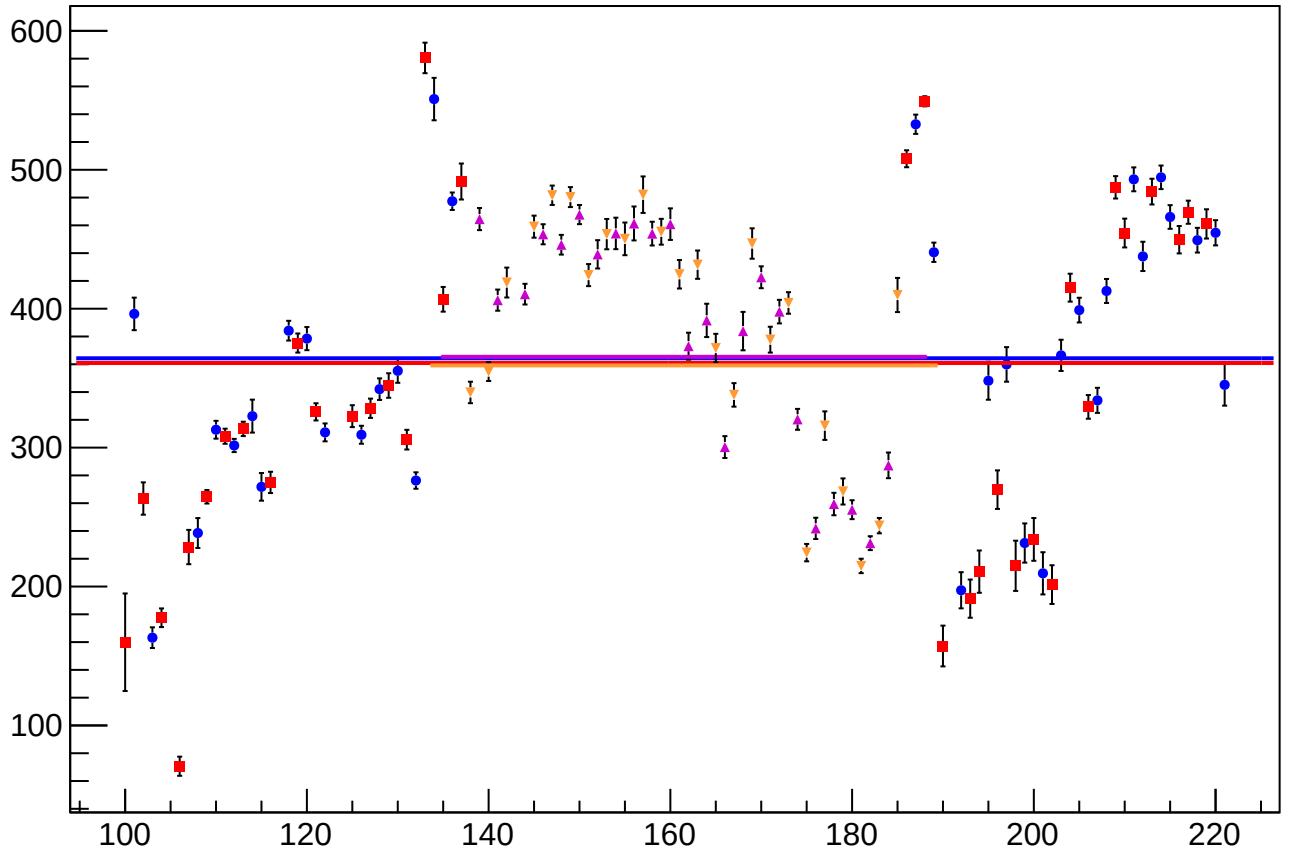
Right Out: -244.032+/-0.121 χ^2/NDF: 715929.5/34

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.978+/-0.076 χ^2/NDF: 209295.5/57

All: -289.962+/-0.052 χ^2/NDF: 1177913.6/11

- sign -280.801+/-0.072 χ^2/NDF: 934926.9/57



Right In: 364.304+/-1.437 χ^2/NDF: 4035.3/33

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

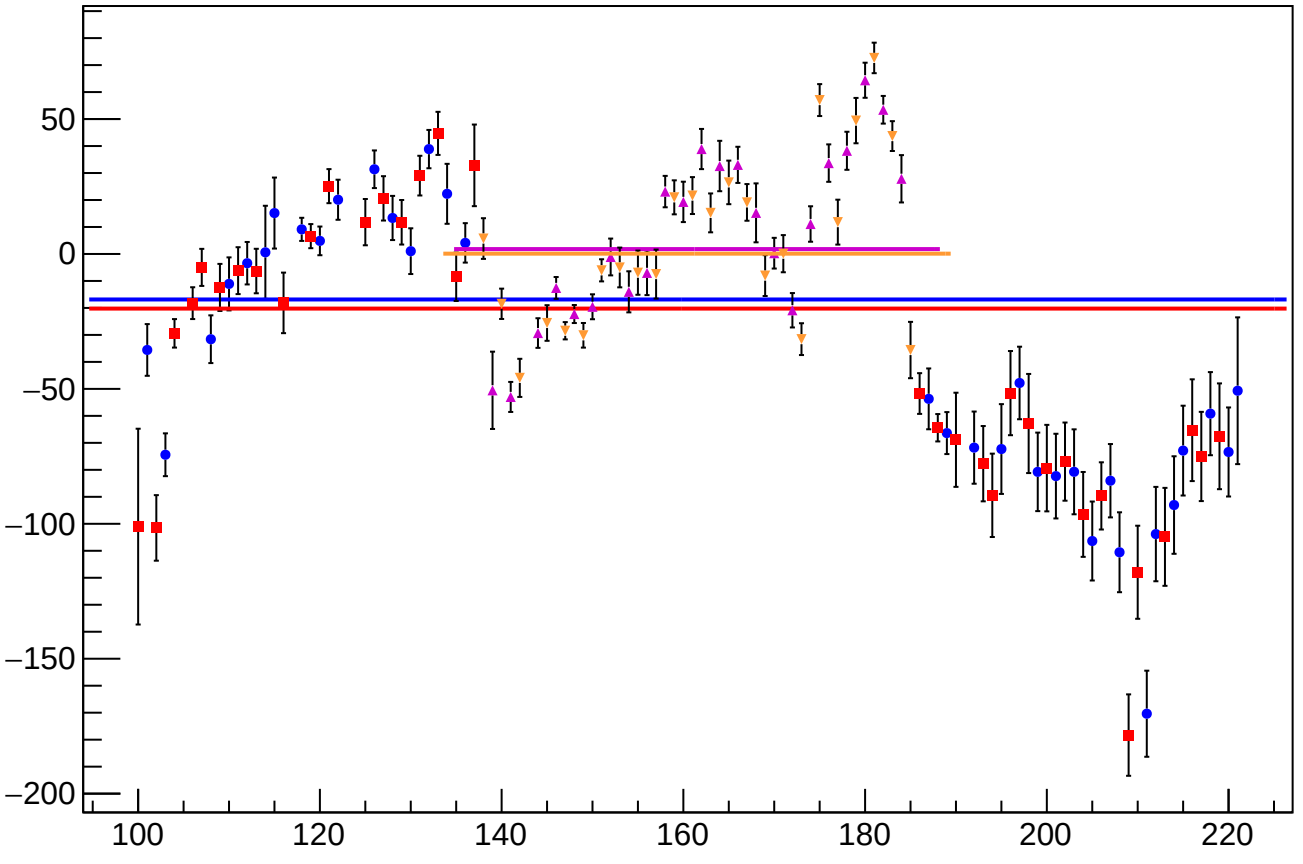
Right Out: 360.919+/-1.336 χ^2/NDF: 8995.3/34

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 362.144+/-1.092 χ^2/NDF: 7228.6/57

All: 362.395+/-0.757 χ^2/NDF: 18967.7/115

- sign 362.626+/-1.049 χ^2/NDF: 11739.0/57



Right In: -16.862+/-1.646 χ^2/NDF: 702.6/33

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

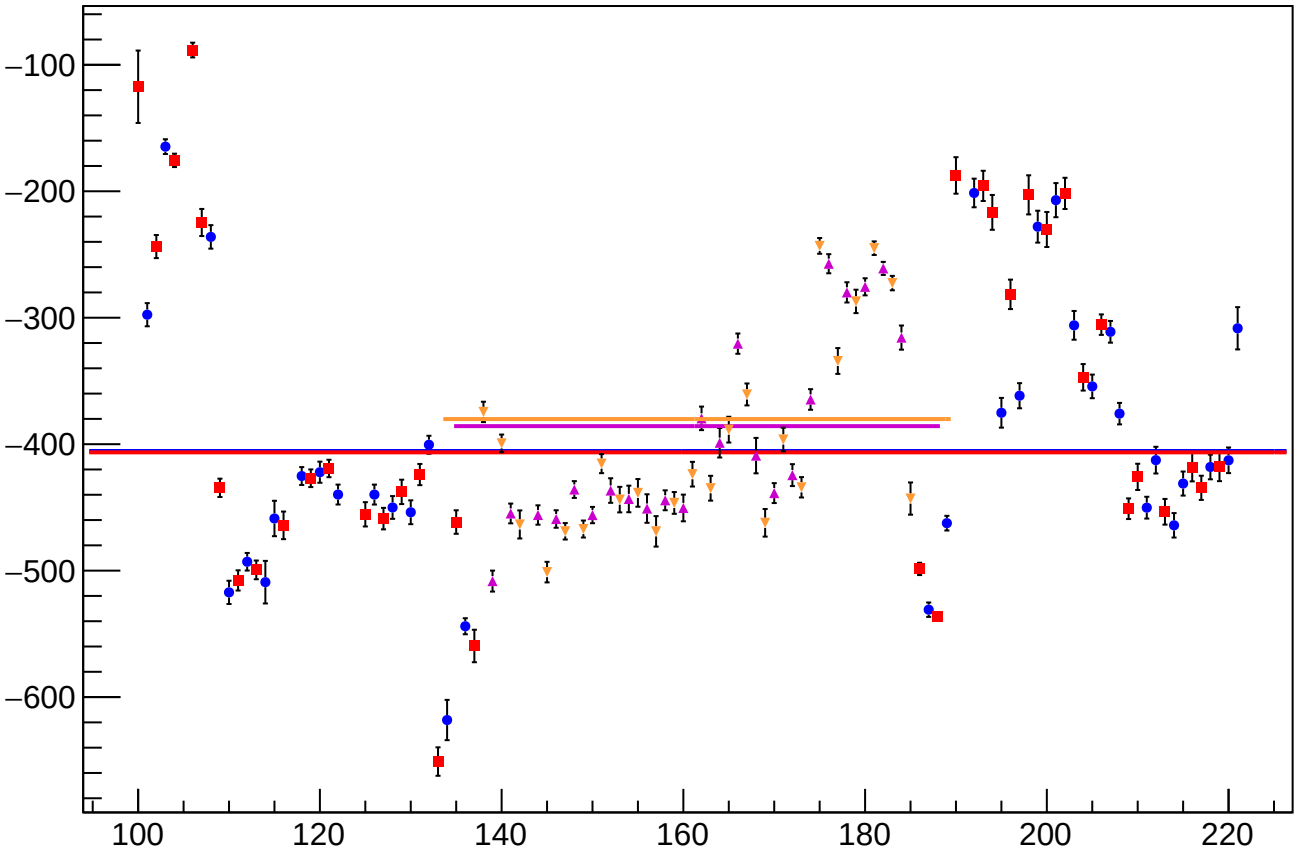
Right Out: -20.243+/-1.531 χ^2/NDF: 747.6/34

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -6.075+/-0.994 χ^2/NDF: 1408.1/57

All: -6.624+/-0.696 χ^2/NDF: 2856.5/115

\- sign -7.154+/-0.976 χ^2/NDF: 1447.8/57



Right In: -405.416+/-1.500 χ^2/NDF: 4974.8/33

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -406.453+/-1.350 χ^2/NDF: 10725.7/34

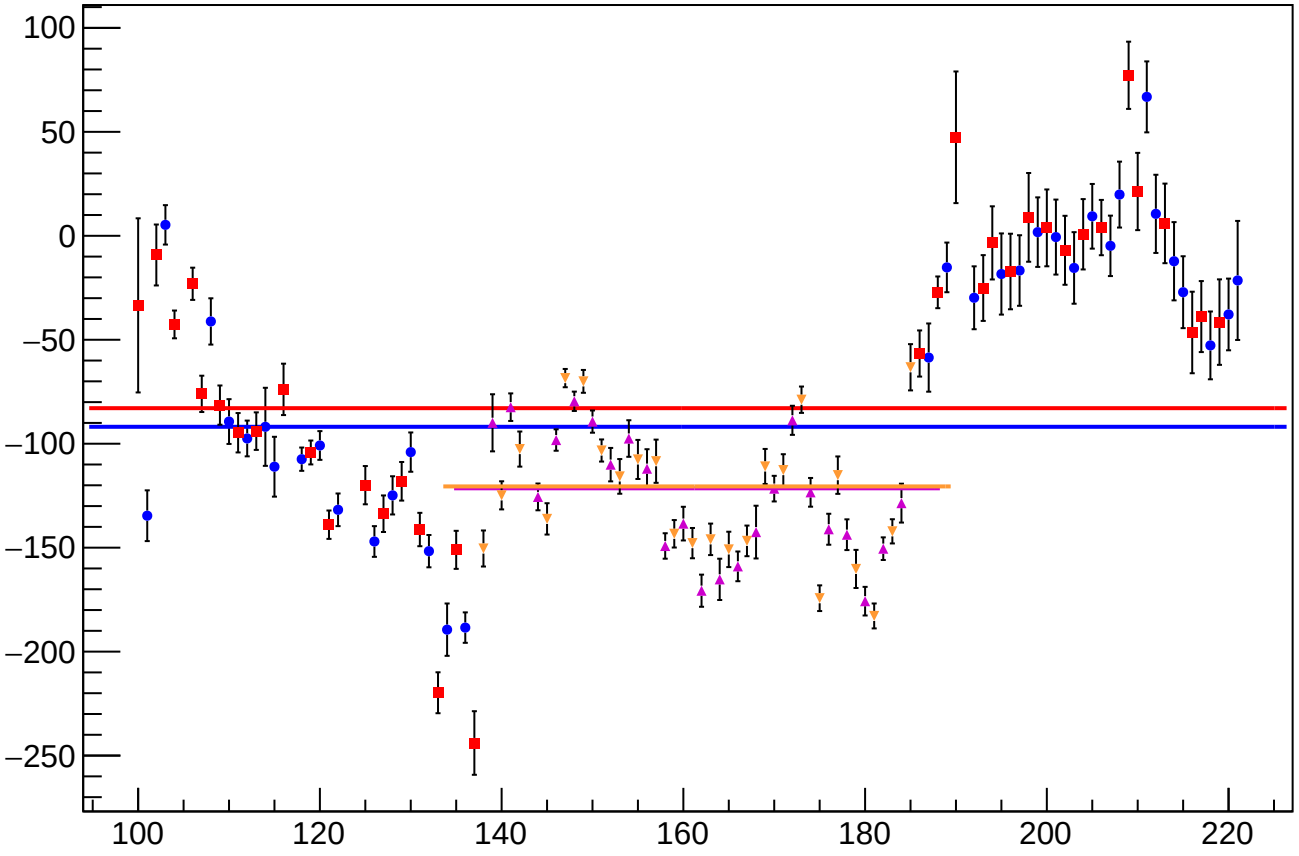
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -394.131+/-1.116 χ^2/NDF: 7720.2/57

All: -396.339+/-0.765 χ^2/NDF: 20907.2/115

- sign -398.300+/-1.052 χ^2/NDF: 13179.6/57

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -91.861+/-1.916 χ^2/NDF: 1009.4/33

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

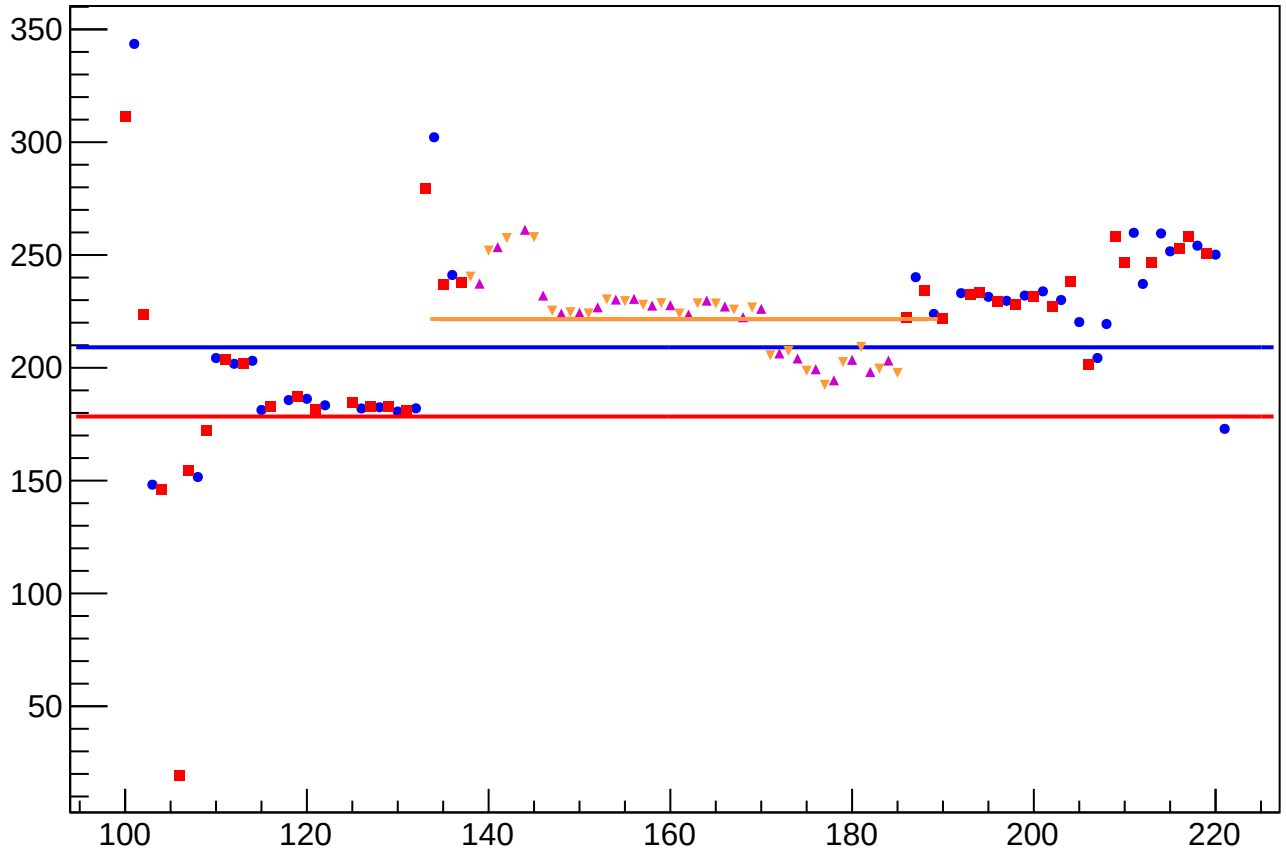
Right Out: -82.907+/-1.822 χ^2/NDF: 1101.1/34

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -110.230+/-1.149 χ^2/NDF: 1764.4/57

All: -108.349+/-0.807 χ^2/NDF: 3577.4/115

\- sign -106.515+/-1.135 χ^2/NDF: 1807.7/57



Right In: 209.098+/-0.098 χ^2/NDF: 216525.2/33

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

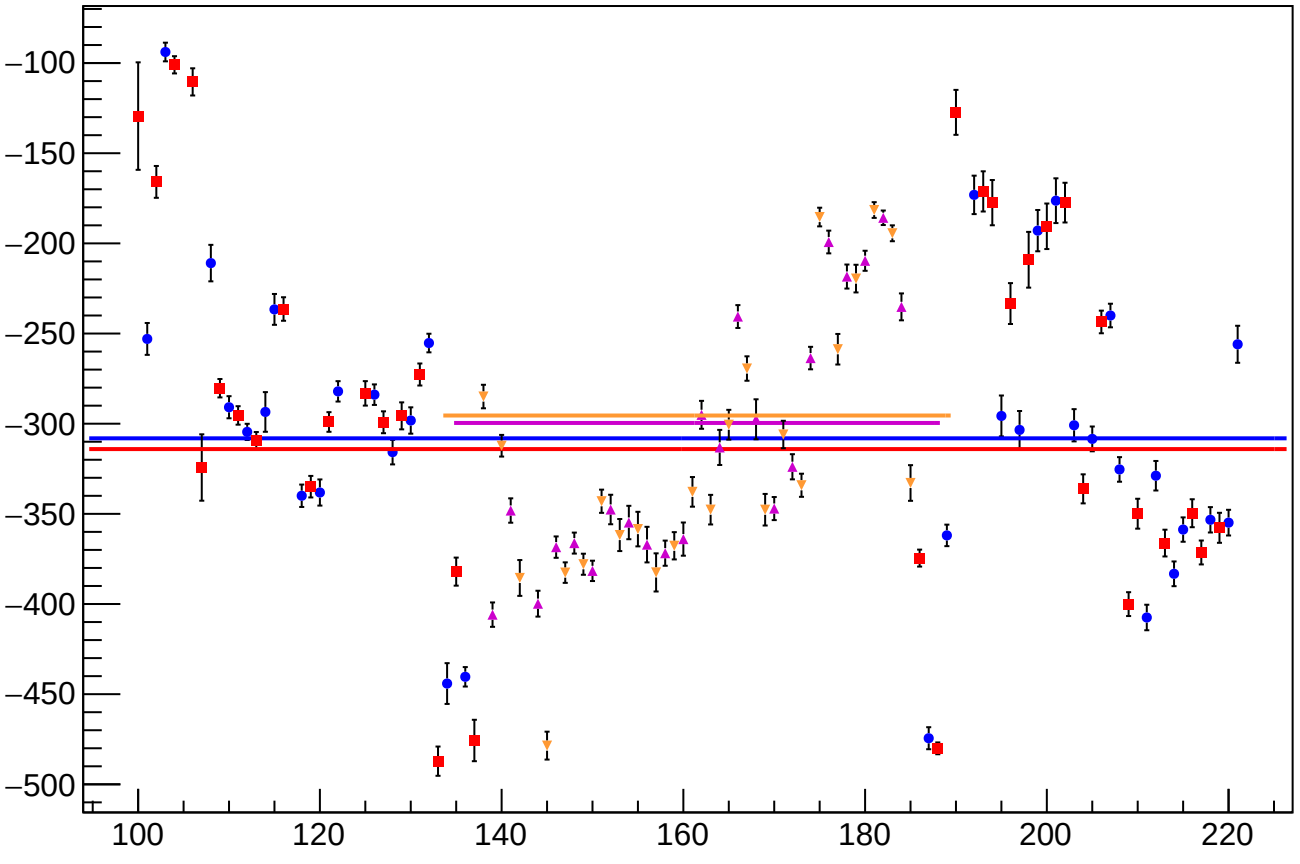
Right Out: 178.408+/-0.089 χ^2/NDF: 689156.5/34

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.663+/-0.055 χ^2/NDF: 295001.2/57

All: 211.789+/-0.038 χ^2/NDF: 1218632.7/115

- sign 206.303+/-0.053 χ^2/NDF: 901634.9/57



Right In: -308.112+/-1.207 χ^2/NDF: 4665.0/33

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -314.081+/-1.154 χ^2/NDF: 8141.2/34

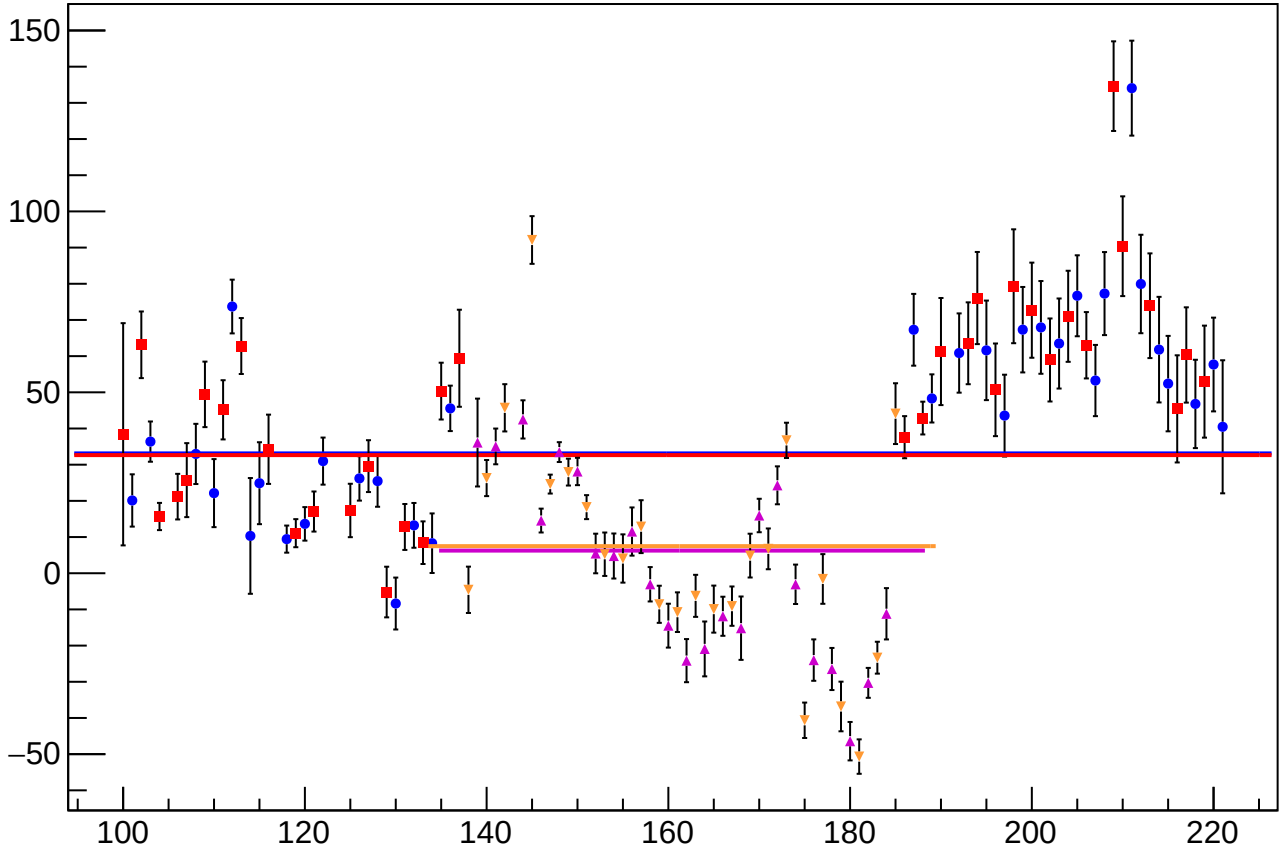
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -302.685+/-0.912 χ^2/NDF: 8058.3/57

All: -305.514+/-0.637 χ^2/NDF: 19254.0/115

- sign -308.203+/-0.890 χ^2/NDF: 11176.9/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 33.115+/-1.390 χ^2/NDF: 321.0/33

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.648+/-1.318 χ^2/NDF: 339.0/34

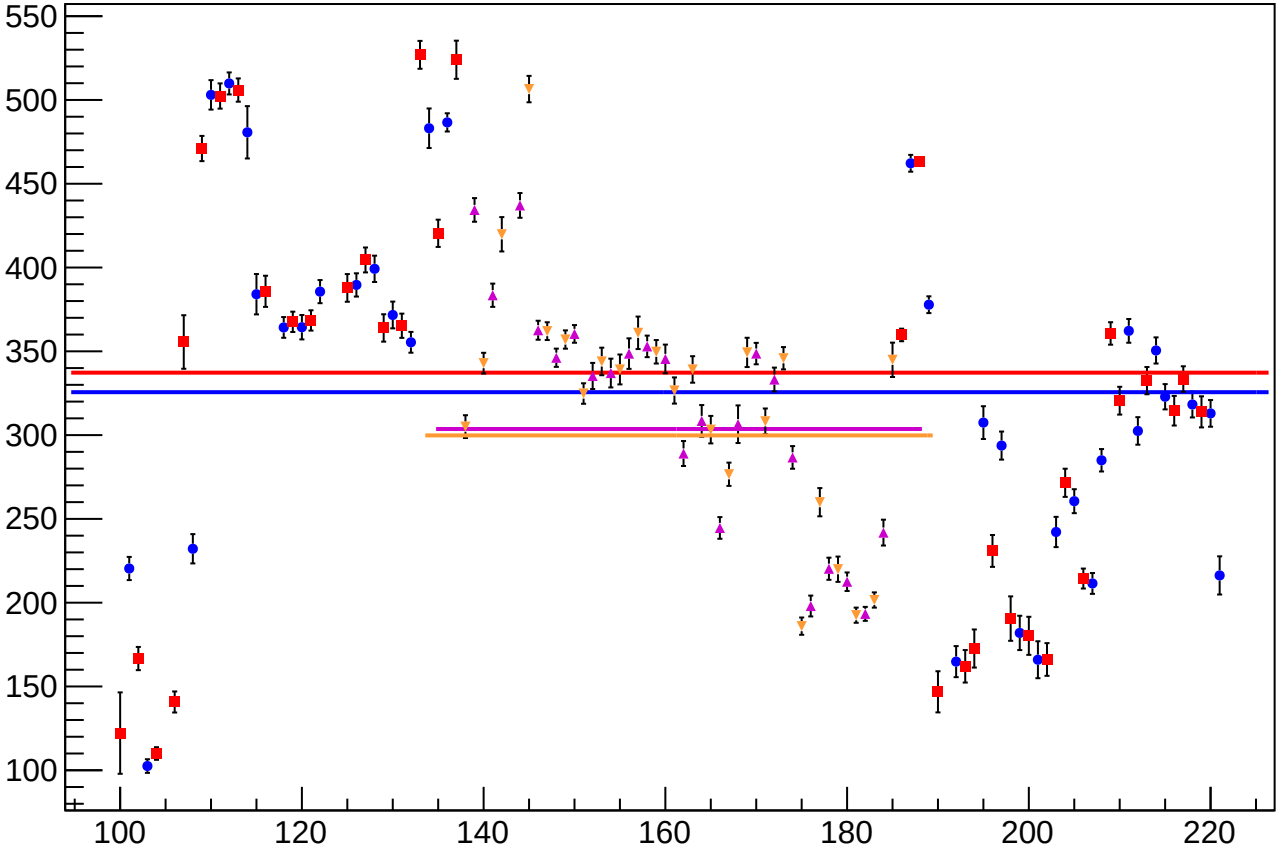
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 16.567+/-0.827 χ^2/NDF: 1279.0/57

All: 16.504+/-0.582 χ^2/NDF: 2423.5/115

\- sign 16.442+/-0.819 χ^2/NDF: 1144.5/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 325.615+/-1.240 χ^2/NDF: 8355.5/33

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.269+/-1.148 χ^2/NDF: 12171.0/34

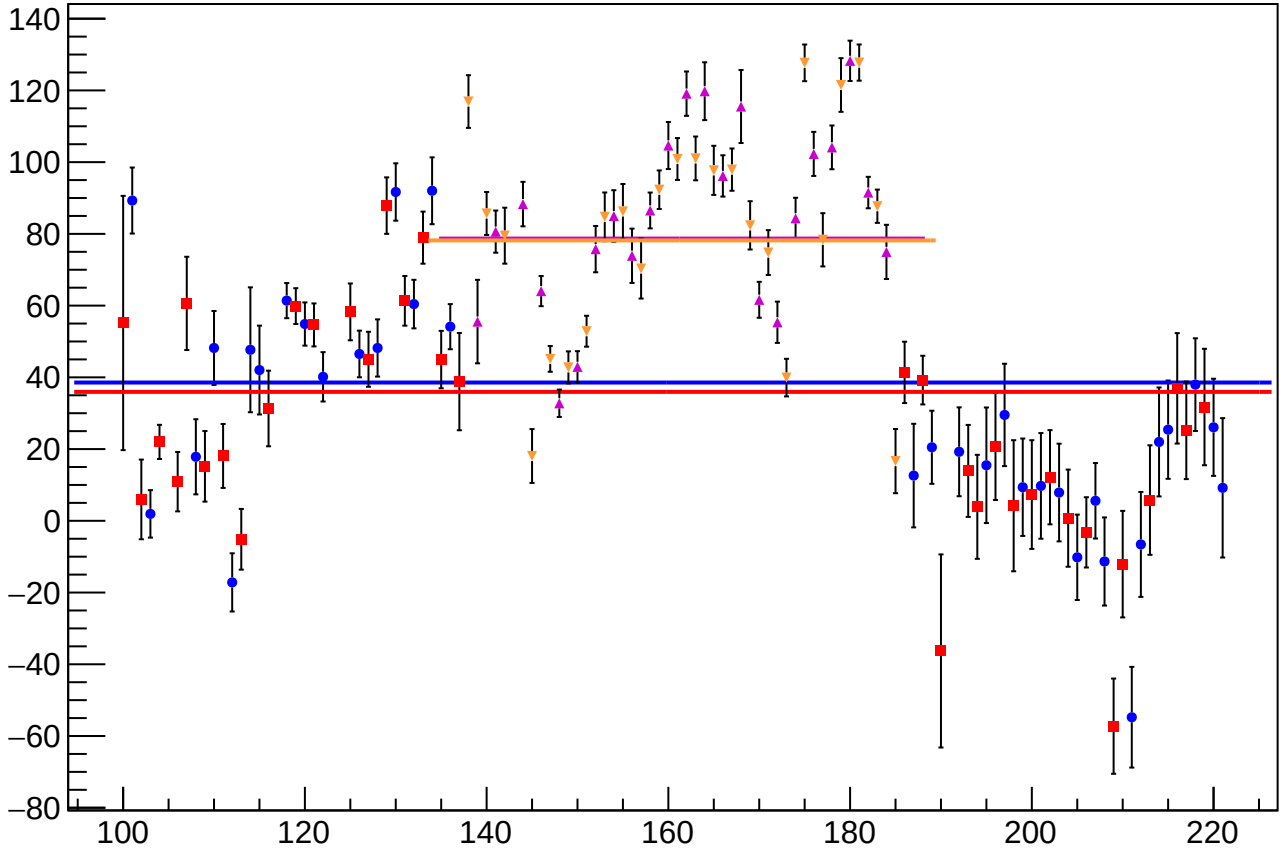
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.099+/-0.923 χ^2/NDF: 11624.7/57

All: 319.036+/-0.638 χ^2/NDF: 27073.1/115

- sign 323.557+/-0.883 χ^2/NDF: 15393.7/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 38.558+/-1.615 χ^2/NDF: 365.9/33

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

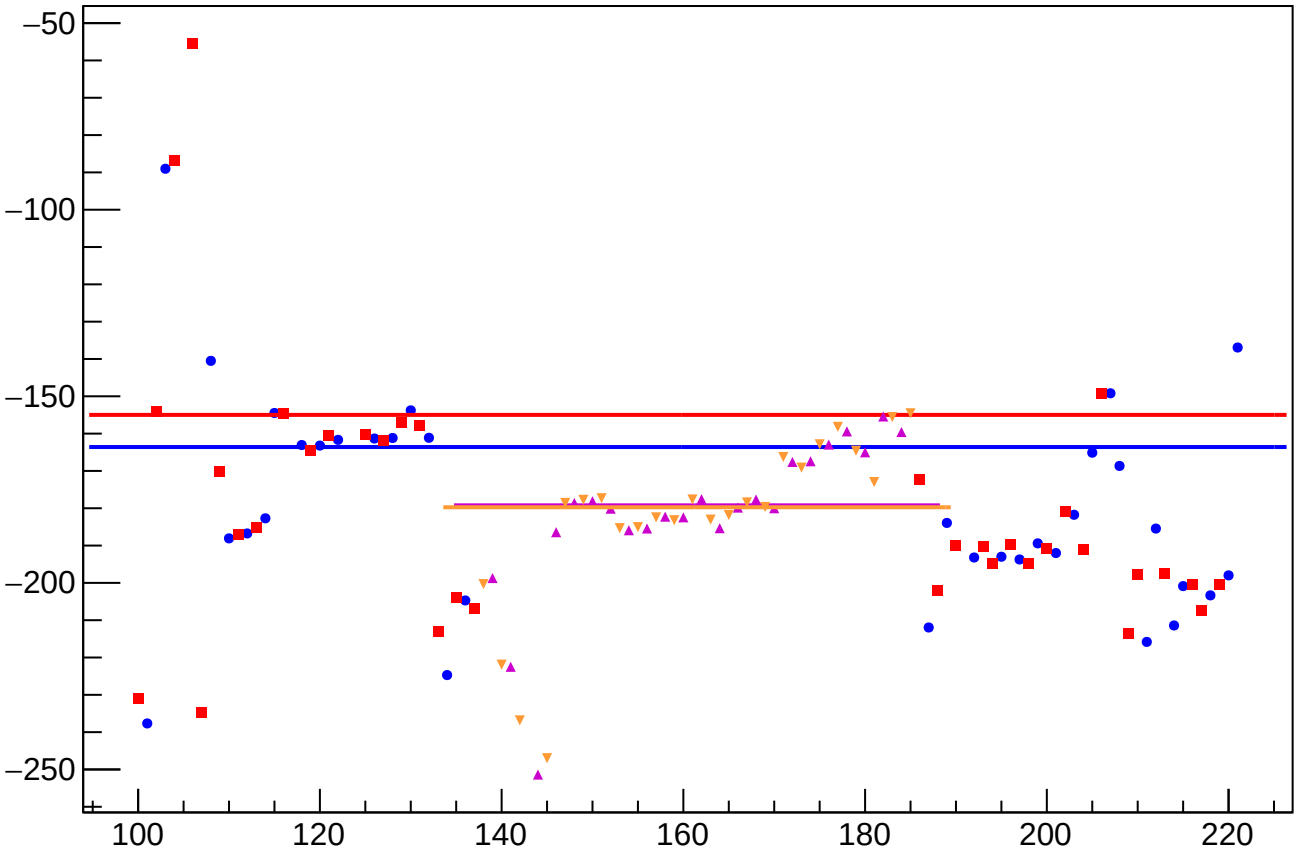
Right Out: 35.950+/-1.569 χ^2/NDF: 310.2/34

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

\+ sign 64.317+/-0.955 χ^2/NDF: 1420.7/57

All: 63.654+/-0.674 χ^2/NDF: 2690.2/115

\- sign 62.997+/-0.950 χ^2/NDF: 1268.5/57



Right In: -163.596+/-0.079 χ^2/NDF: 324487.3/33

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

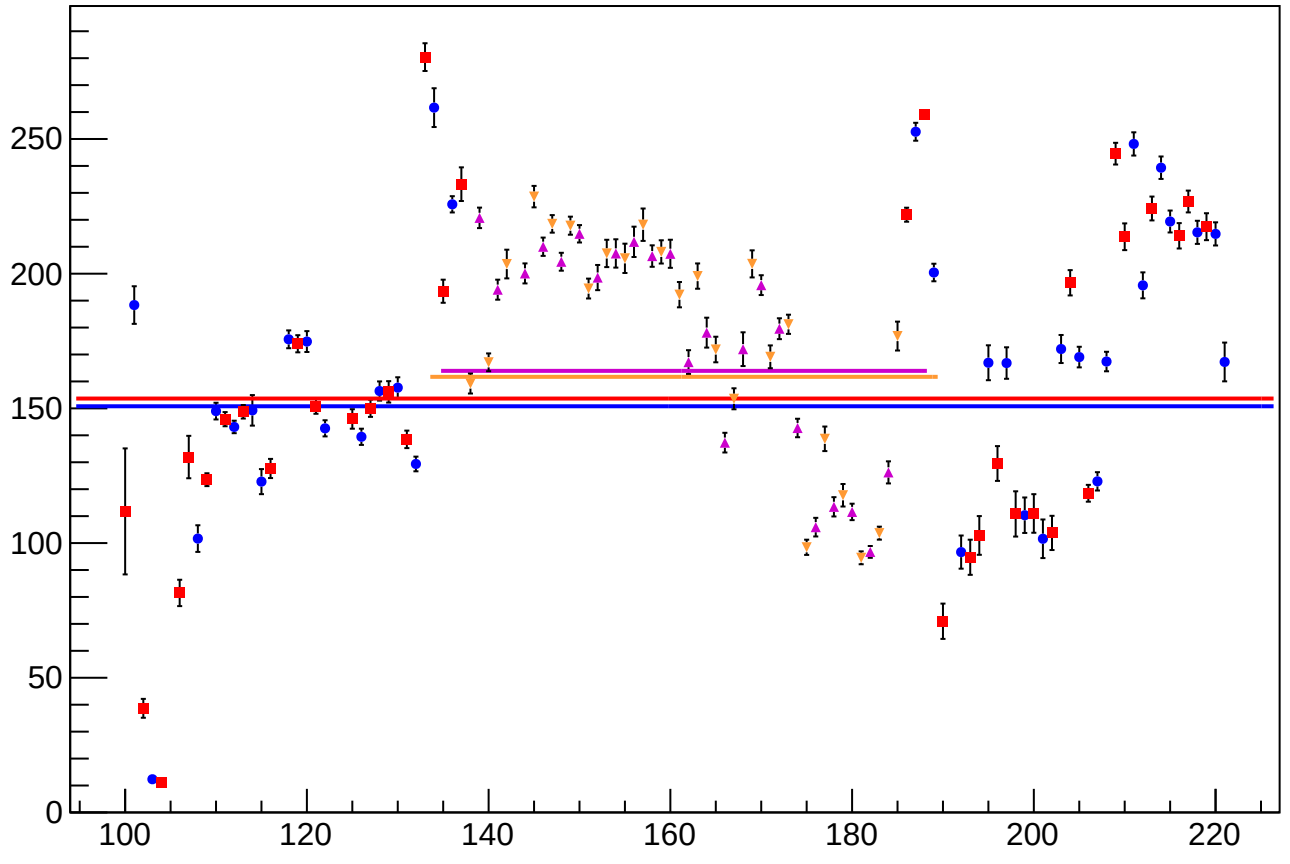
Right Out: -154.984+/-0.076 χ^2/NDF: 444955.3/34

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.434+/-0.045 χ^2/NDF: 484992.2/57

All: -172.718+/-0.032 χ^2/NDF: 1112918.1/11

- sign -171.053+/-0.044 χ^2/NDF: 625069.7/57



Right In: 150.784+/-0.640 χ^2/NDF: 10277.5/33

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

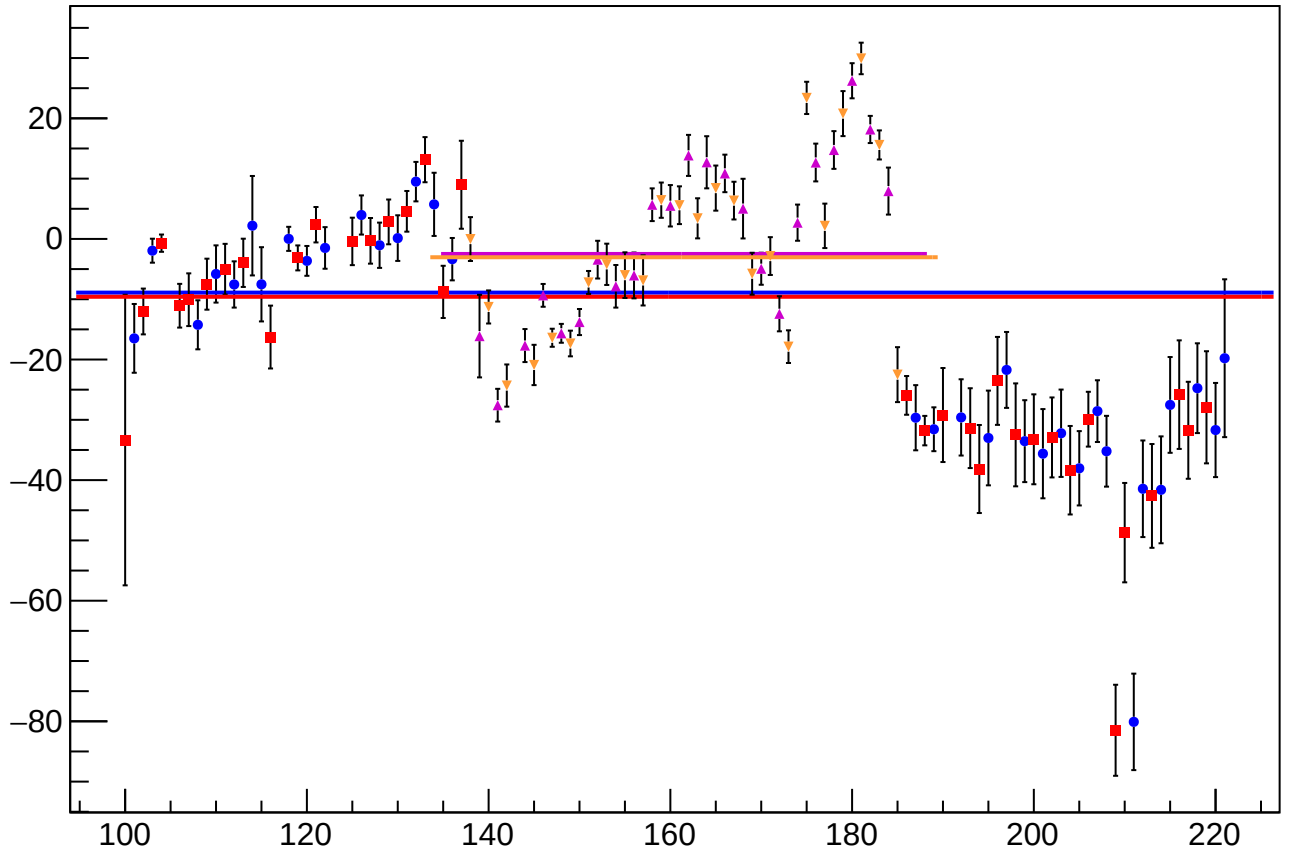
Right Out: 153.650+/-0.605 χ^2/NDF: 15039.0/34

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 155.208+/-0.494 χ^2/NDF: 13982.7/57

All: 156.399+/-0.343 χ^2/NDF: 32477.0/115

- sign 157.513+/-0.478 χ^2/NDF: 18483.0/57



Right In: -8.902+/-0.731 χ^2/NDF: 415.1/33

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

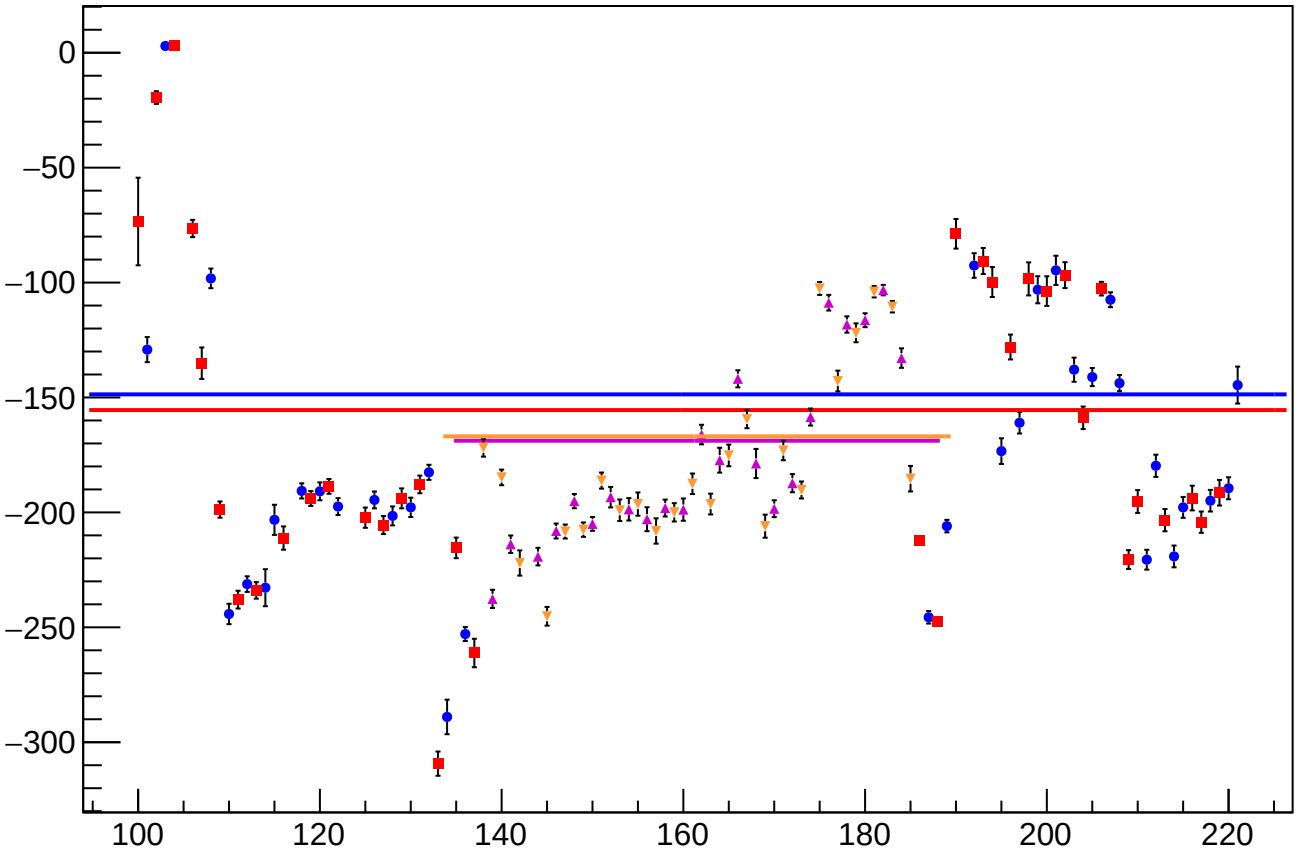
Right Out: -9.592+/-0.669 χ^2/NDF: 507.4/34

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -5.295+/-0.454 χ^2/NDF: 1109.1/57

All: -5.441+/-0.316 χ^2/NDF: 2243.3/115

- sign -5.579+/-0.441 χ^2/NDF: 1133.9/57



Right In: -148.649+/-0.645 χ^2/NDF: 18166.4/33

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

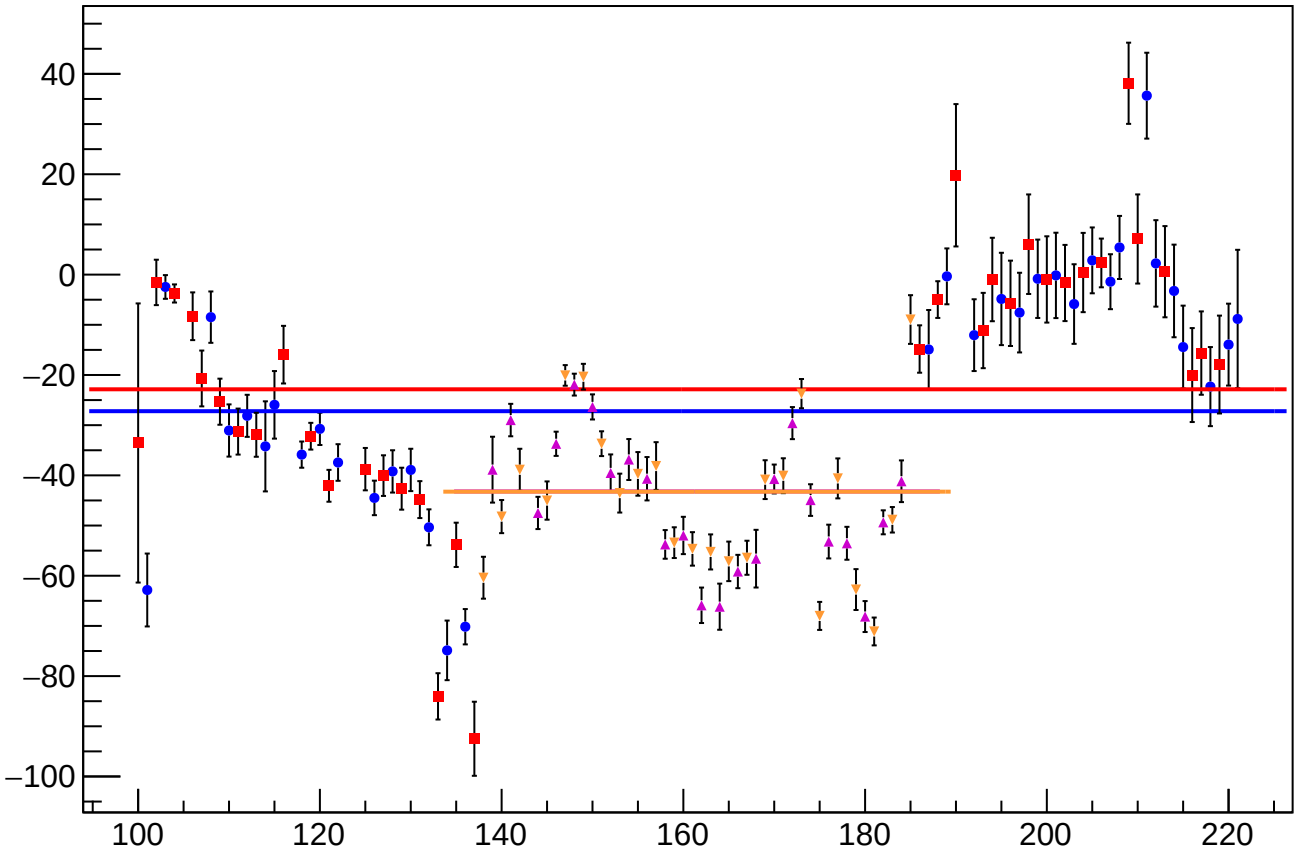
Right Out: -155.483+/-0.593 χ^2/NDF: 24699.9/34

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -156.177+/-0.495 χ^2/NDF: 21592.6/57

All: -158.408+/-0.341 χ^2/NDF: 49578.1/115

- sign -160.423+/-0.470 χ^2/NDF: 27946.8/57



Right In: -27.212+/-0.851 χ^2/NDF: 685.7/33

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

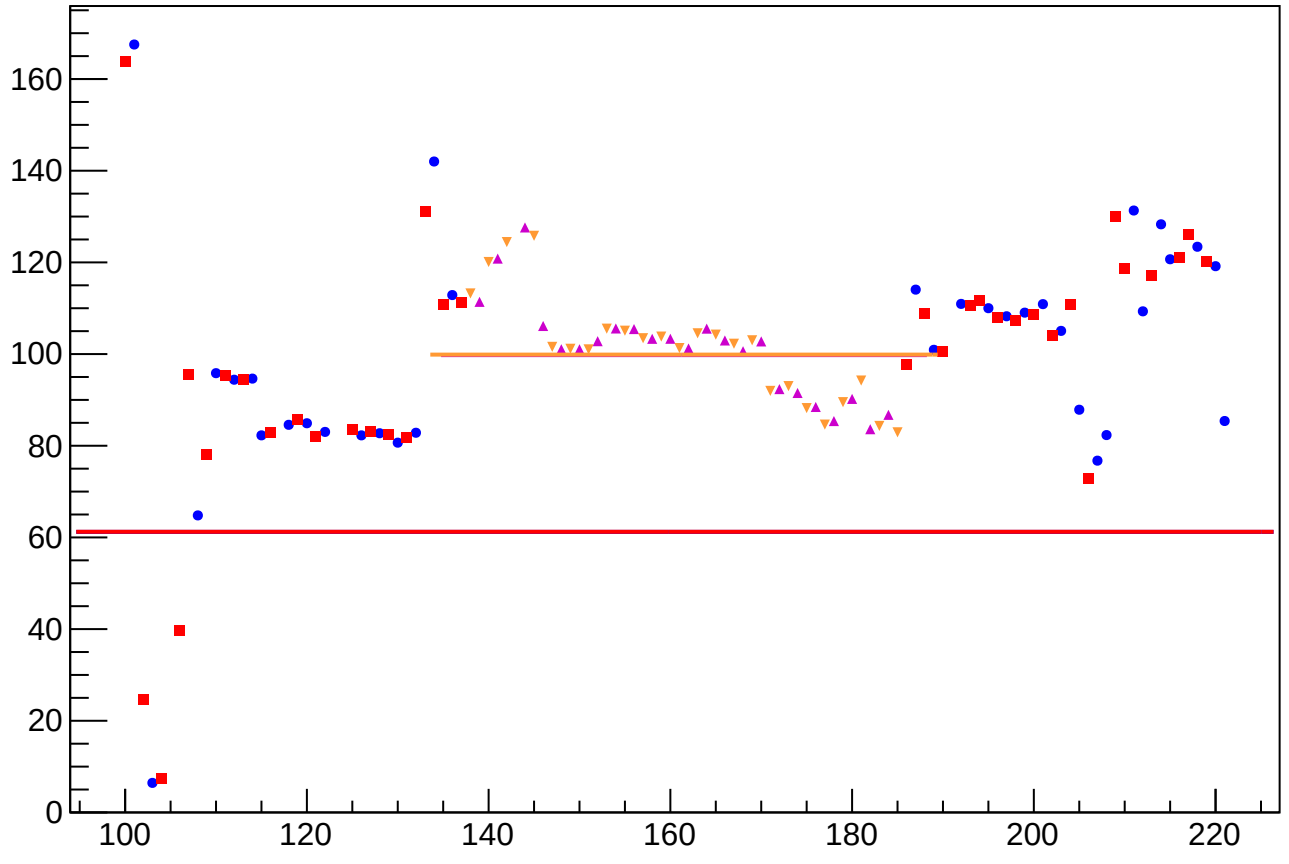
Right Out: -22.852+/-0.800 χ^2/NDF: 790.2/34

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -37.180+/-0.523 χ^2/NDF: 1516.7/57

All: -35.975+/-0.367 χ^2/NDF: 3103.6/115

\- sign -34.816+/-0.514 χ^2/NDF: 1576.5/57



Right In: 61.205+/-0.038 χ^2/NDF: 1622833.3/33

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

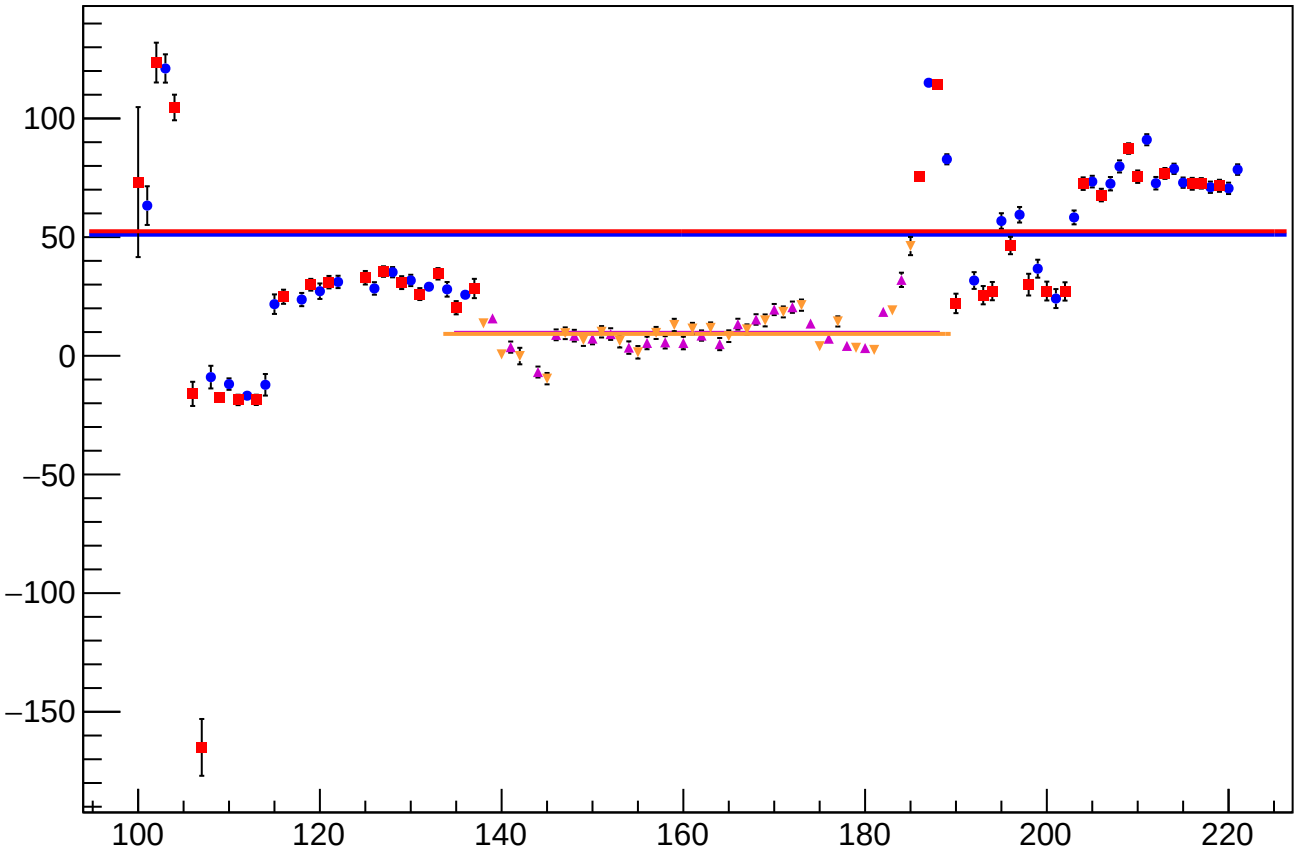
Right Out: 61.233+/-0.038 χ^2/NDF: 1402187.5/34

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.536+/-0.024 χ^2/NDF: 2373370.4/57

All: 84.545+/-0.017 χ^2/NDF: 4517216.7/115

- sign 84.554+/-0.024 χ^2/NDF: 2143846.0/57



Right In: 51.021+/-0.454 χ^2/NDF: 5621.9/33

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 52.472+/-0.436 χ^2/NDF: 8800.1/34

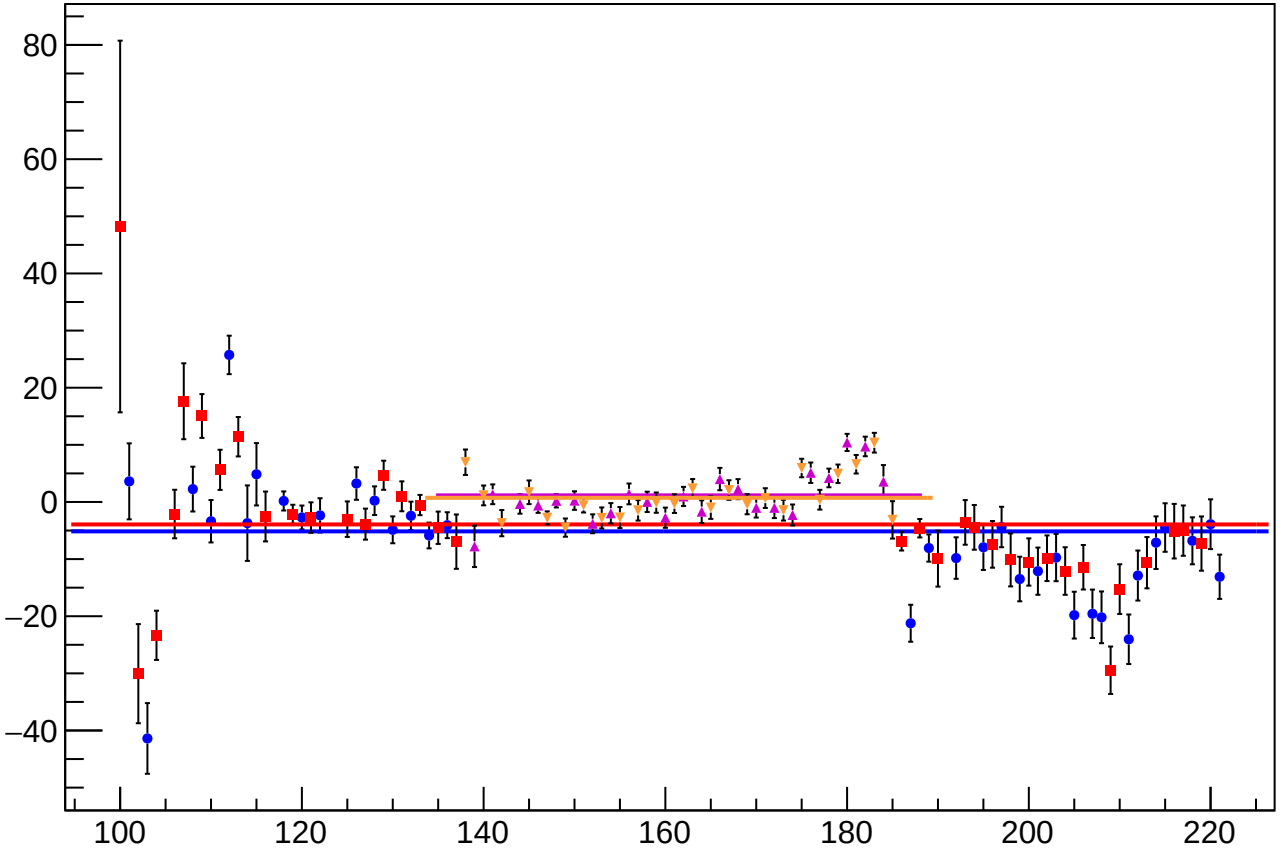
Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 30.247+/-0.322 χ^2/NDF: 10166.0/57

All: 31.292+/-0.226 χ^2/NDF: 23764.1/115

- sign 32.308+/-0.317 χ^2/NDF: 13577.4/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -5.148+/-0.553 χ^2/NDF: 253.8/33

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

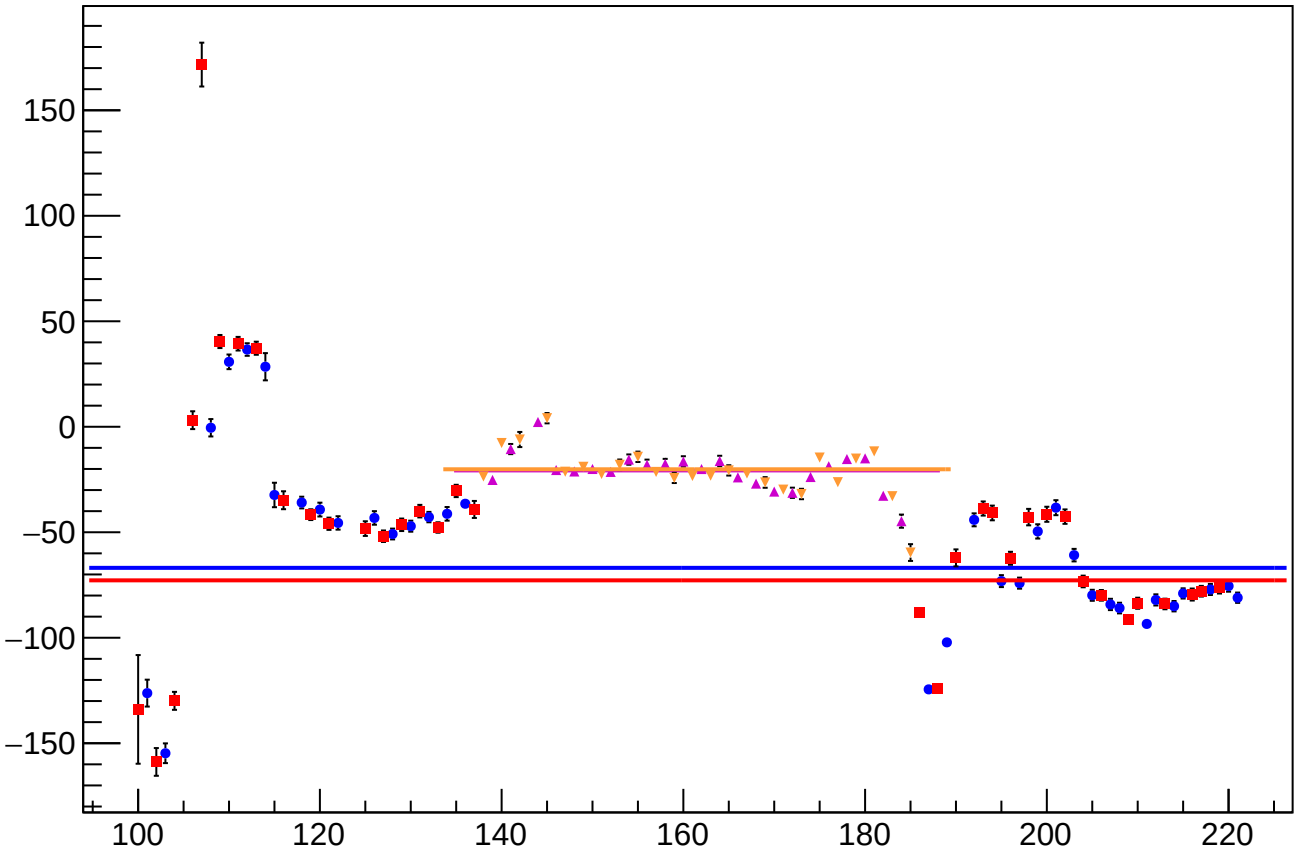
Right Out: -3.932+/-0.531 χ^2/NDF: 182.2/34

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.948+/-0.295 χ^2/NDF: 444.3/57

All: -0.691+/-0.209 χ^2/NDF: 801.7/115

- sign -0.433+/-0.296 χ^2/NDF: 355.9/57



Right In: -66.870+/-0.470 χ^2/NDF: 5969.2/33

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.797+/-0.432 χ^2/NDF: 9793.7/34

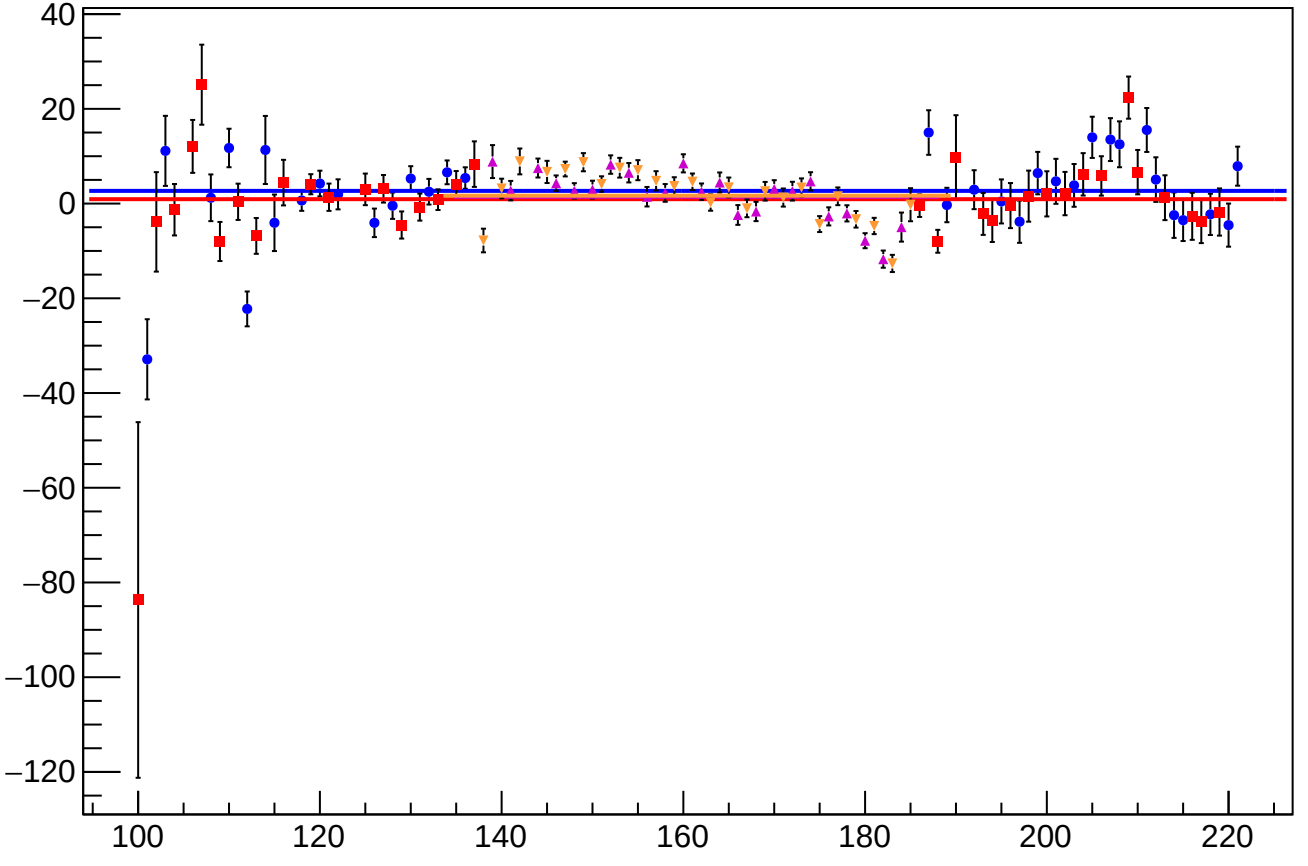
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -42.607+/-0.326 χ^2/NDF: 11514.7/57

All: -45.533+/-0.226 χ^2/NDF: 28633.5/115

\- sign -48.248+/-0.314 χ^2/NDF: 16963.6/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.681+/-0.634 χ^2/NDF: 128.9/33

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

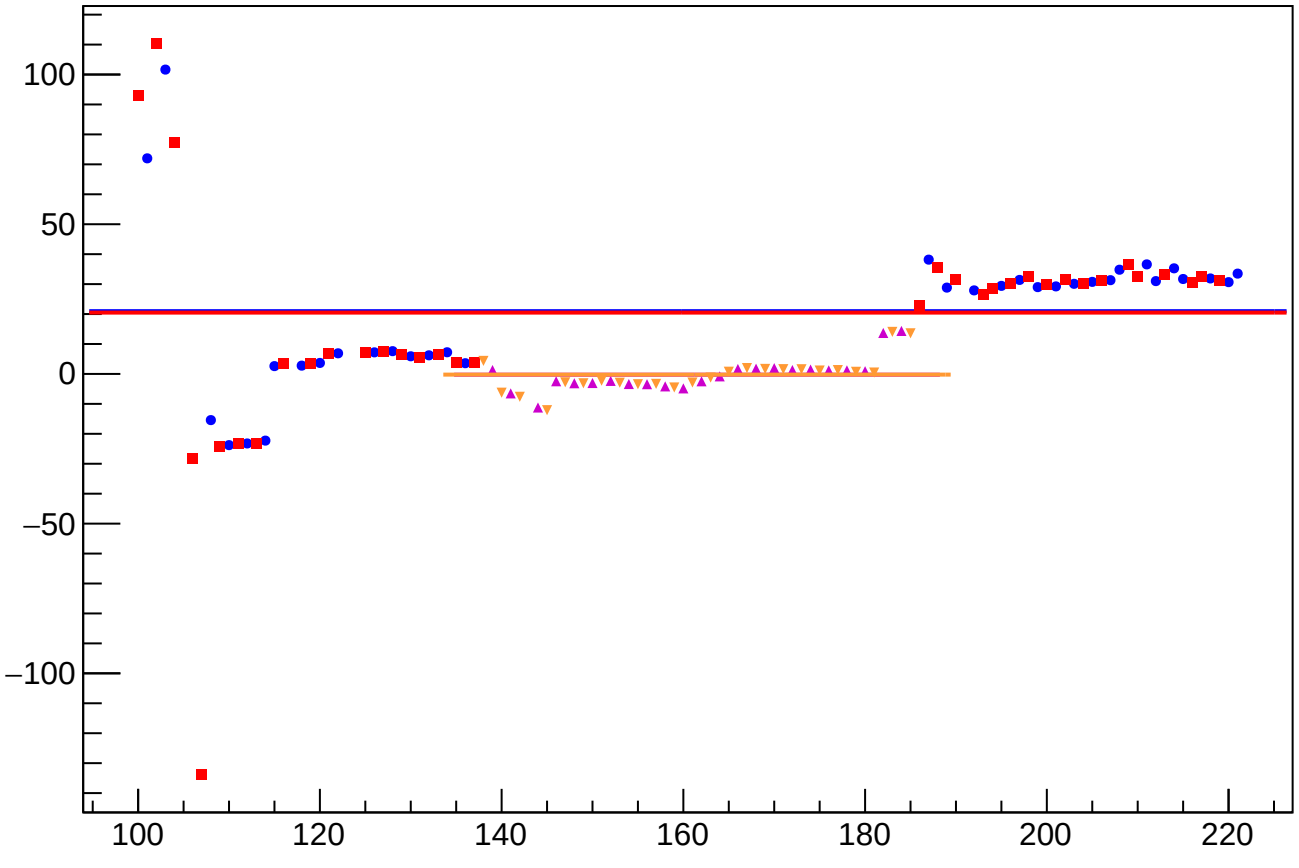
Right Out: 0.928+/-0.631 χ^2/NDF: 83.8/34

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.953+/-0.335 χ^2/NDF: 308.7/57

All: 1.622+/-0.238 χ^2/NDF: 557.7/115

\- sign 1.283+/-0.339 χ^2/NDF: 247.0/57



Right In: 20.965+/-0.032 χ^2/NDF: 440931.3/33

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

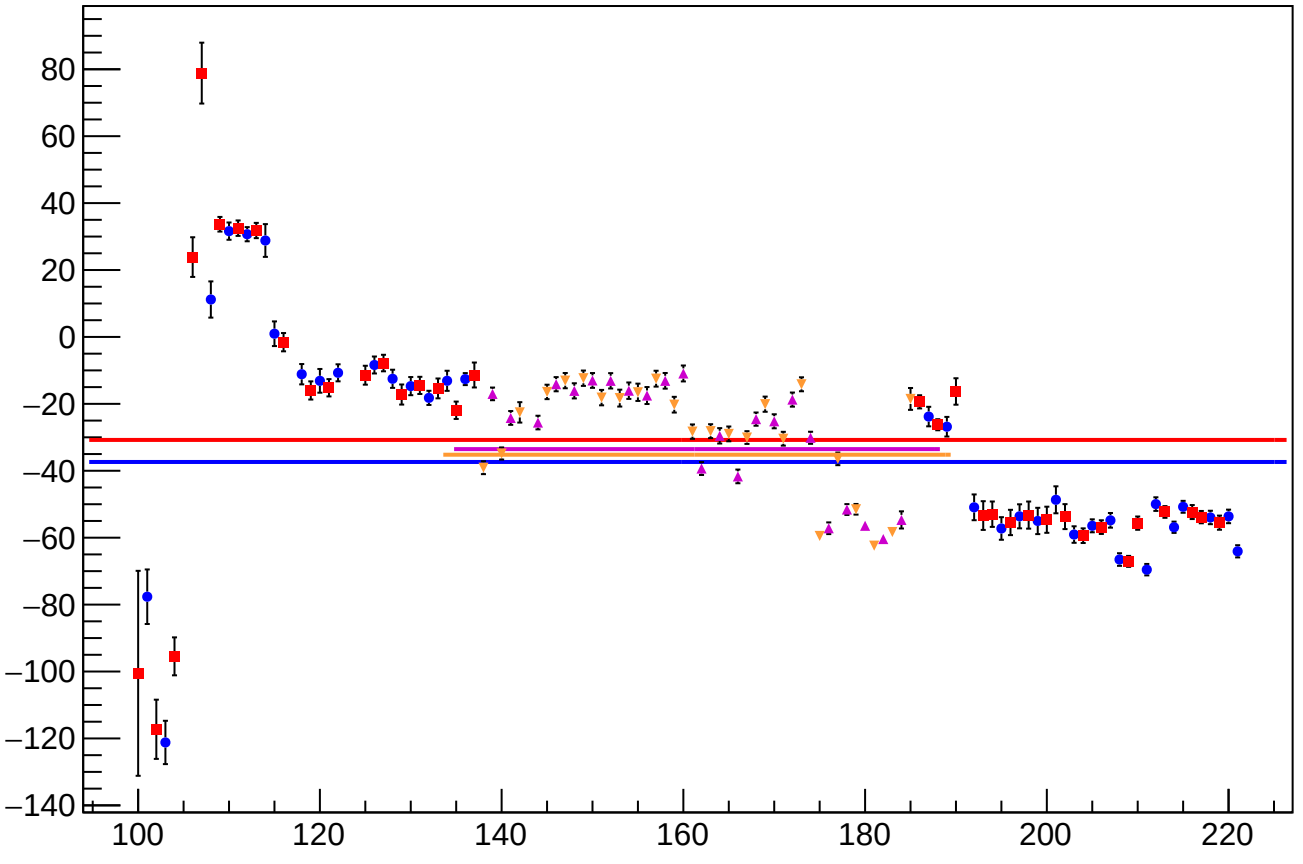
Right Out: 20.484+/-0.032 χ^2/NDF: 607212.3/34

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.741+/-0.015 χ^2/NDF: 860519.1/57

All: 4.638+/-0.011 χ^2/NDF: 1857472.9/115

- sign 4.534+/-0.016 χ^2/NDF: 996864.7/57



Right In: -37.370+/-0.425 χ^2/NDF: 4699.1/33

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

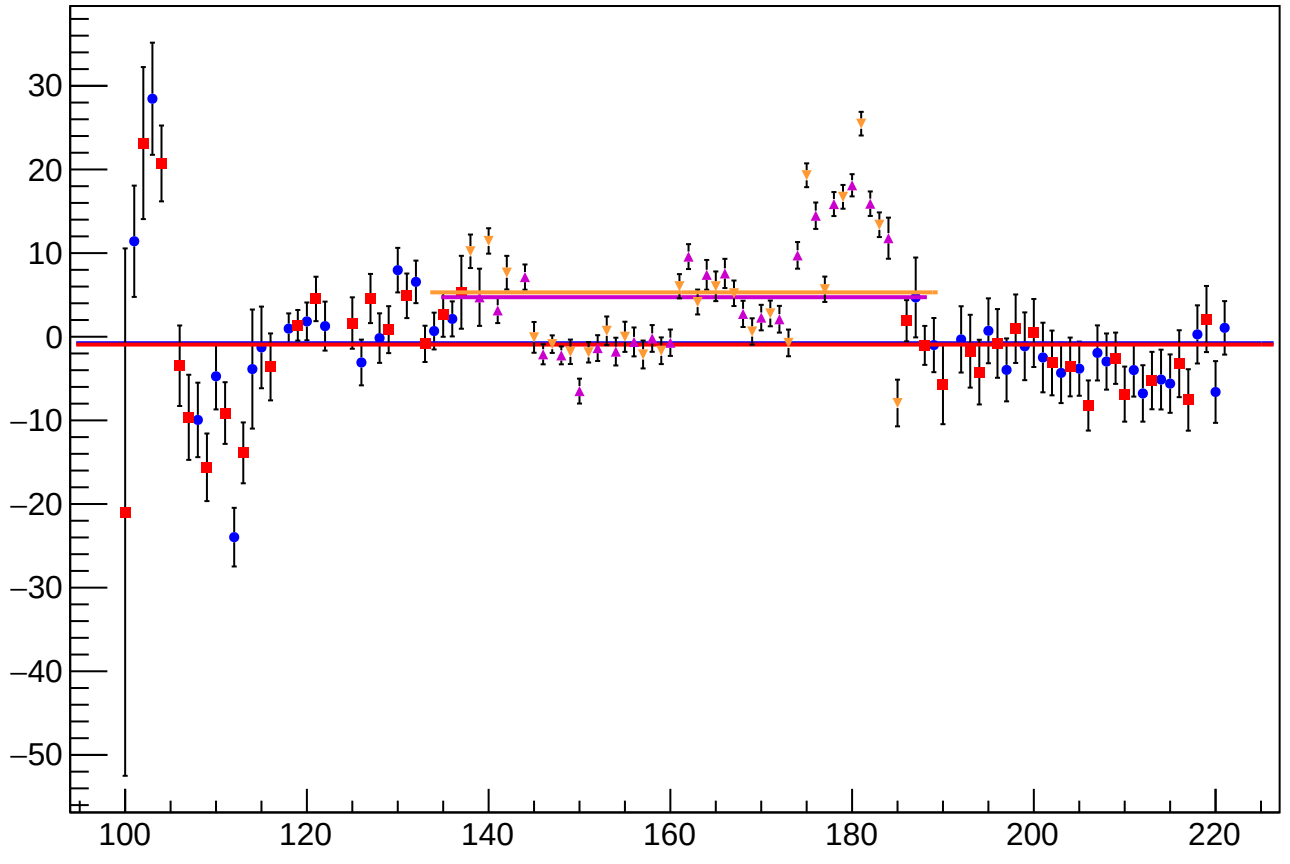
Right Out: -30.782+/-0.438 χ^2/NDF: 5069.7/34

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -36.241+/-0.294 χ^2/NDF: 6563.4/57

All: -34.281+/-0.210 χ^2/NDF: 13550.5/115

- sign -32.234+/-0.301 χ^2/NDF: 6896.6/57



Right In: -0.775+/-0.550 χ^2/NDF: 111.7/33

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

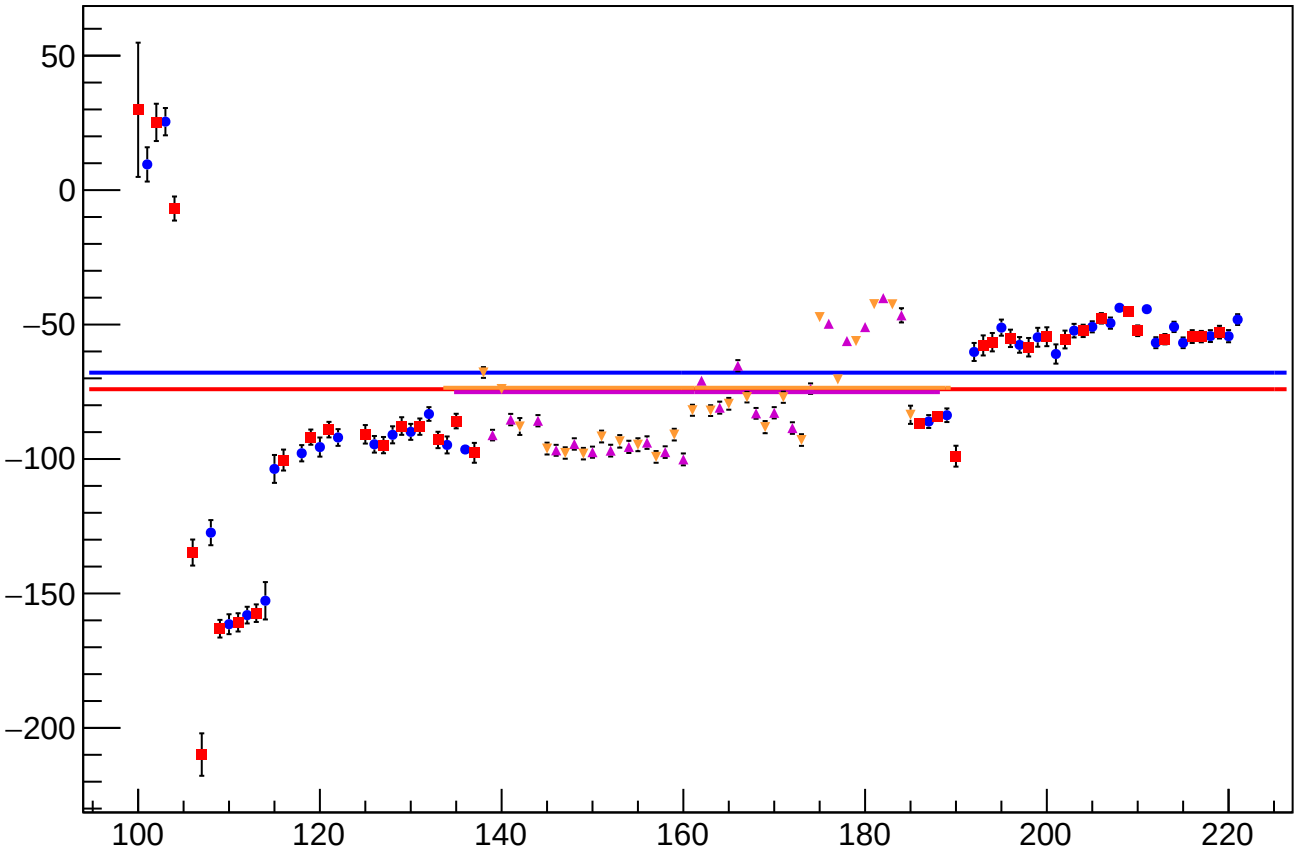
Right Out: -0.936+/-0.560 χ^2/NDF: 103.3/34

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 3.805+/-0.273 χ^2/NDF: 828.2/57

All: 3.570+/-0.195 χ^2/NDF: 1505.9/115

- sign 3.325+/-0.279 χ^2/NDF: 676.2/57



Right In: -67.886+/-0.448 χ^2/NDF: 4103.5/33

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

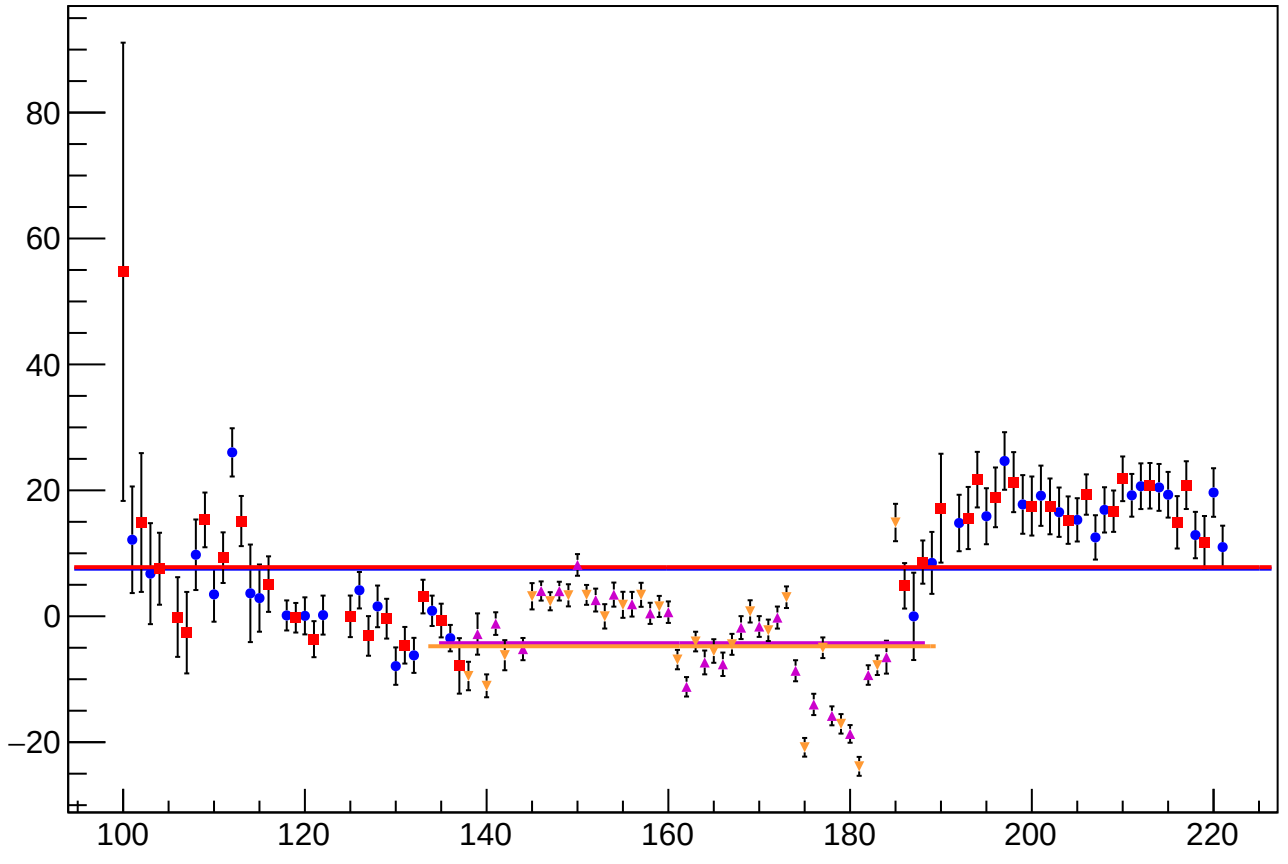
Right Out: -74.042+/-0.452 χ^2/NDF: 4612.4/34

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -70.976+/-0.301 χ^2/NDF: 6582.0/57

All: -72.789+/-0.214 χ^2/NDF: 13633.0/115

\- sign -74.641+/-0.304 χ^2/NDF: 6977.5/57



Right In: 7.560+/-0.617 χ^2/NDF: 250.5/33

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

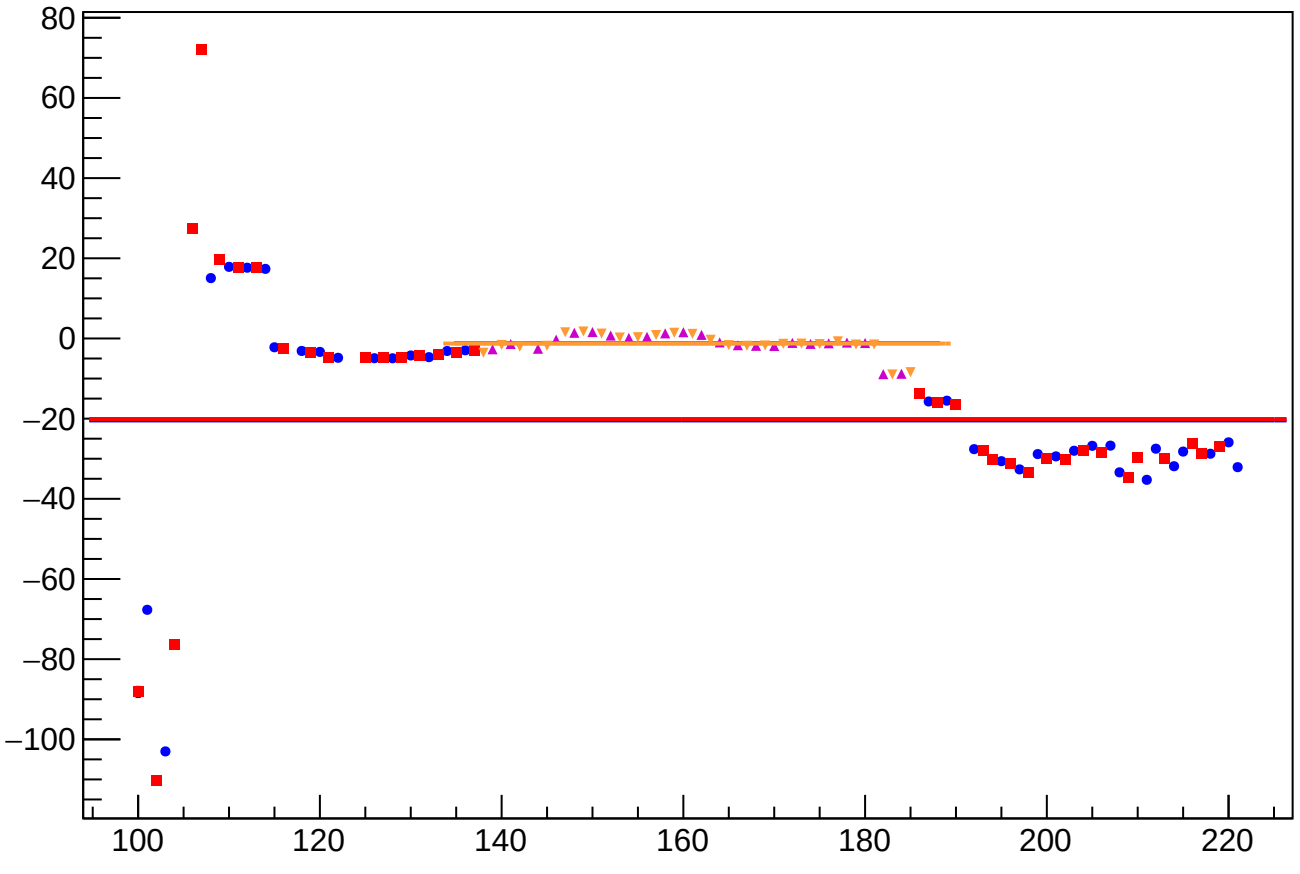
Right Out: 7.797+/-0.643 χ^2/NDF: 214.2/34

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -1.699+/-0.308 χ^2/NDF: 1127.2/57

All: -1.546+/-0.220 χ^2/NDF: 2034.1/115

\- sign -1.386+/-0.315 χ^2/NDF: 906.4/57



Right In: -20.437+/-0.030 χ^2/NDF: 401986.8/33

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -20.099+/-0.032 χ^2/NDF: 484147.6/34

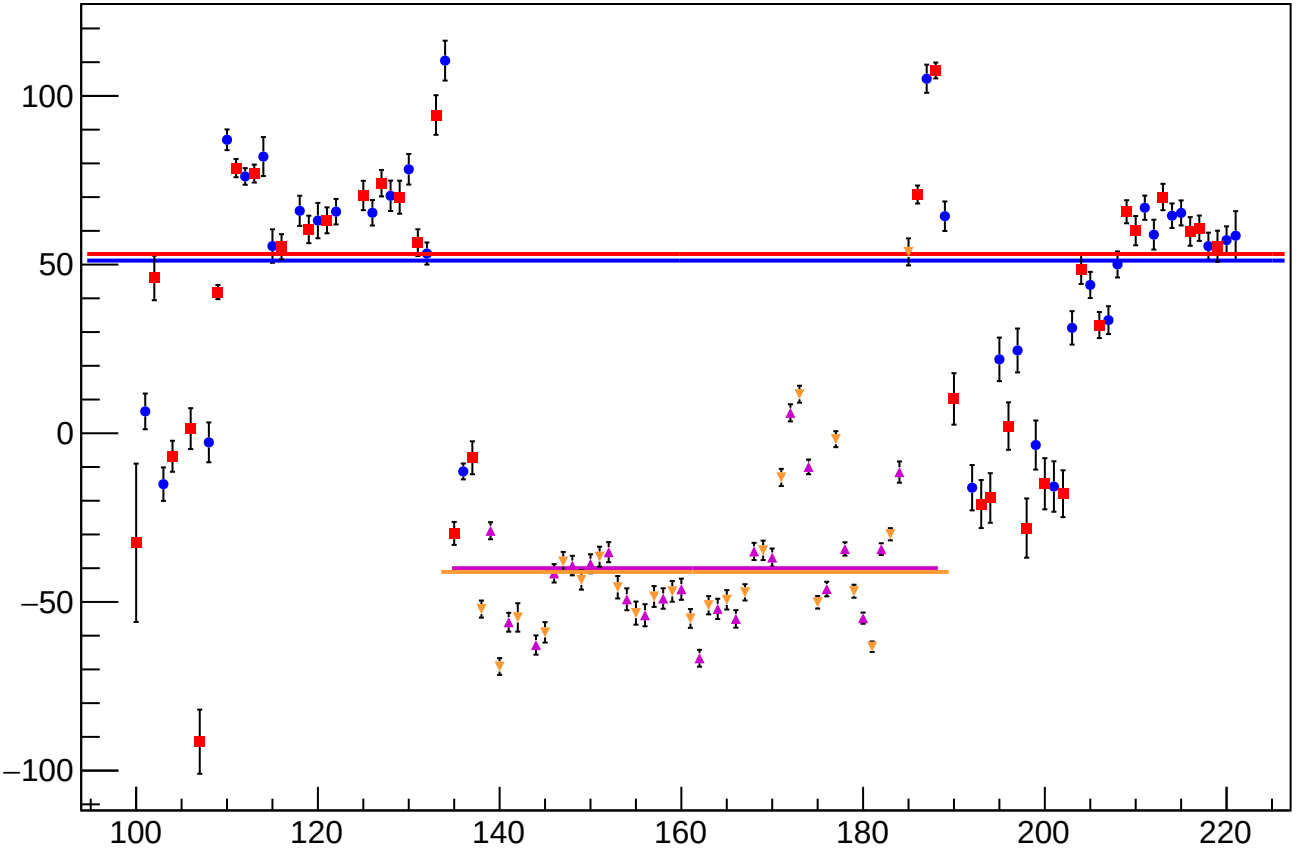
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -5.409+/-0.014 χ^2/NDF: 742552.6/57

All: -5.222+/-0.010 χ^2/NDF: 1538011.6/115

- sign -5.031+/-0.014 χ^2/NDF: 795101.5/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 51.185+/-0.718 χ^2/NDF: 2046.8/33

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

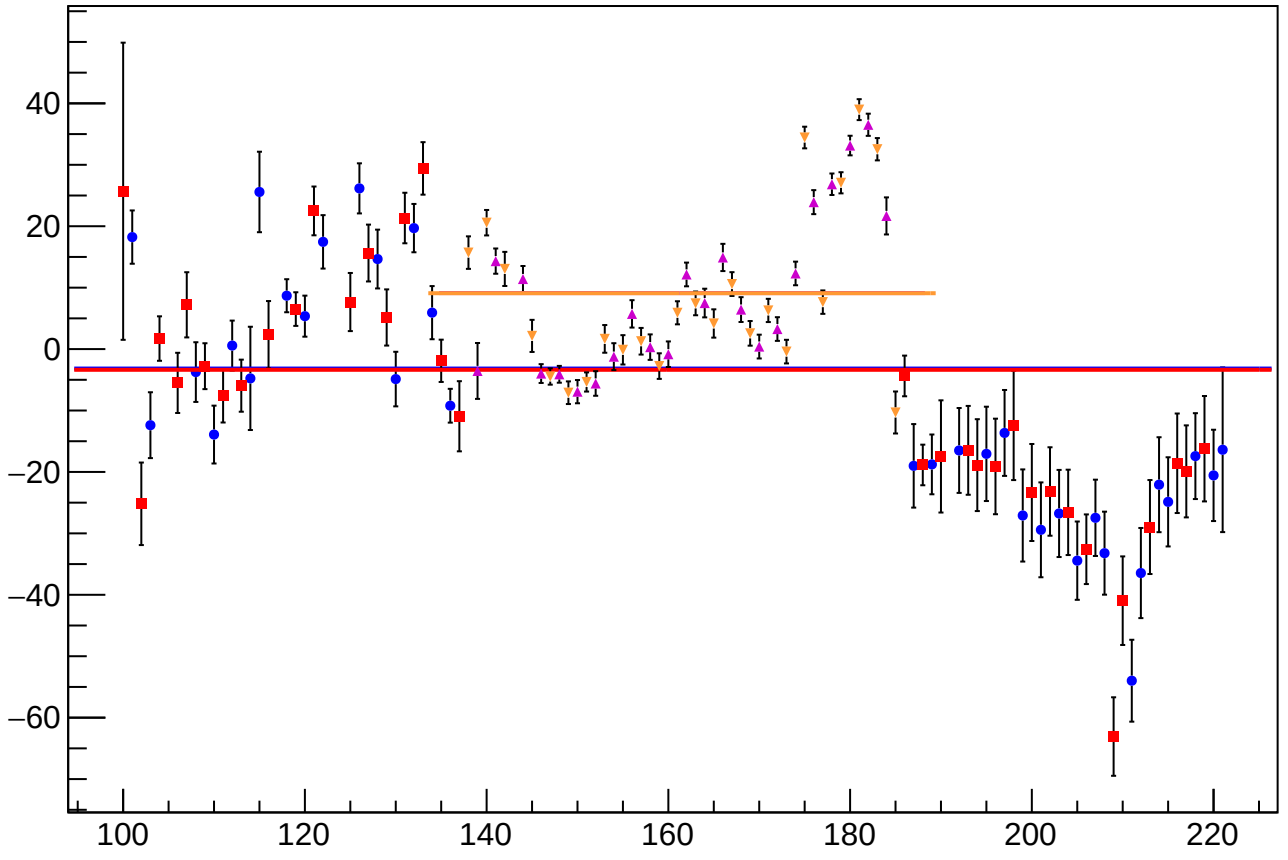
Right Out: 53.148+/-0.683 χ^2/NDF: 2760.2/34

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -9.549+/-0.420 χ^2/NDF: 14872.0/57

All: -7.498+/-0.295 χ^2/NDF: 30407.8/115

\- sign -5.485+/-0.416 χ^2/NDF: 15488.5/57



Right In: -3.170+/-0.867 χ^2/NDF: 431.1/33

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -3.370+/-0.842 χ^2/NDF: 423.9/34

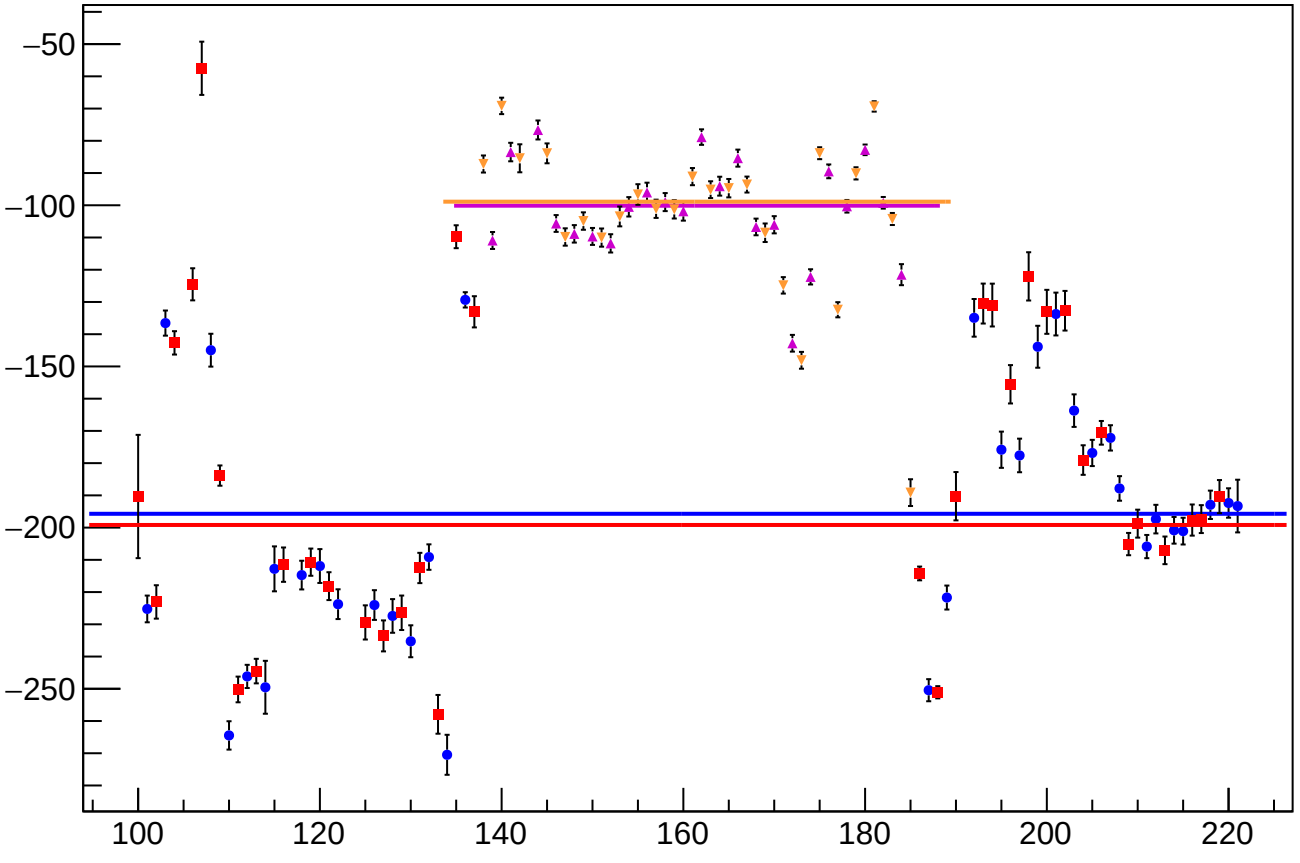
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 6.932+/-0.364 χ^2/NDF: 1849.4/57

All: 6.835+/-0.259 χ^2/NDF: 3503.5/115

- sign 6.735+/-0.368 χ^2/NDF: 1653.9/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -195.713+/-0.757 χ^2/NDF: 2710.9/33

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

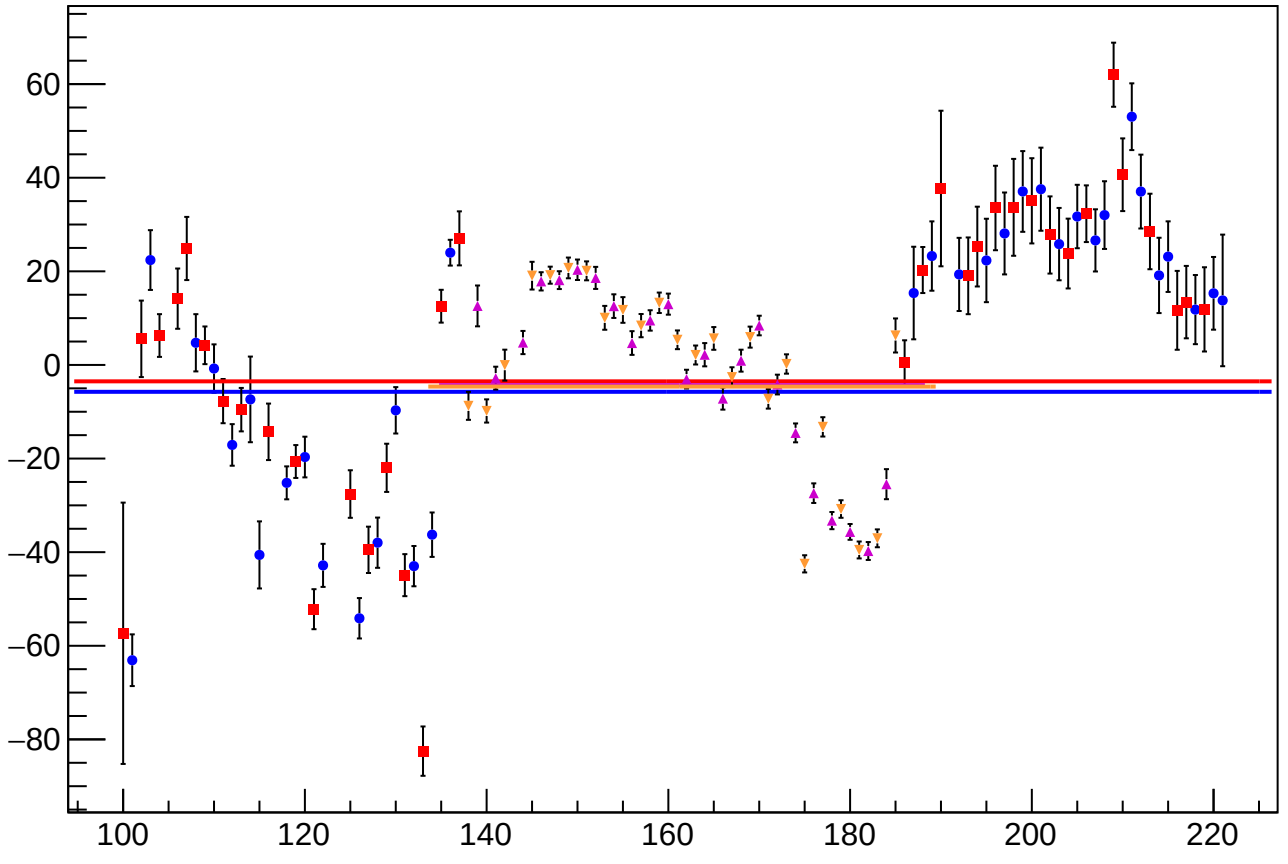
Right Out: -199.181+/-0.714 χ^2/NDF: 3667.2/34

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -129.460+/-0.425 χ^2/NDF: 15735.9/57

All: -131.999+/-0.299 χ^2/NDF: 32876.6/115

- sign -134.478+/-0.420 χ^2/NDF: 17070.3/57



Right In: -5.741+/-0.986 χ^2/NDF: 1000.3/33

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

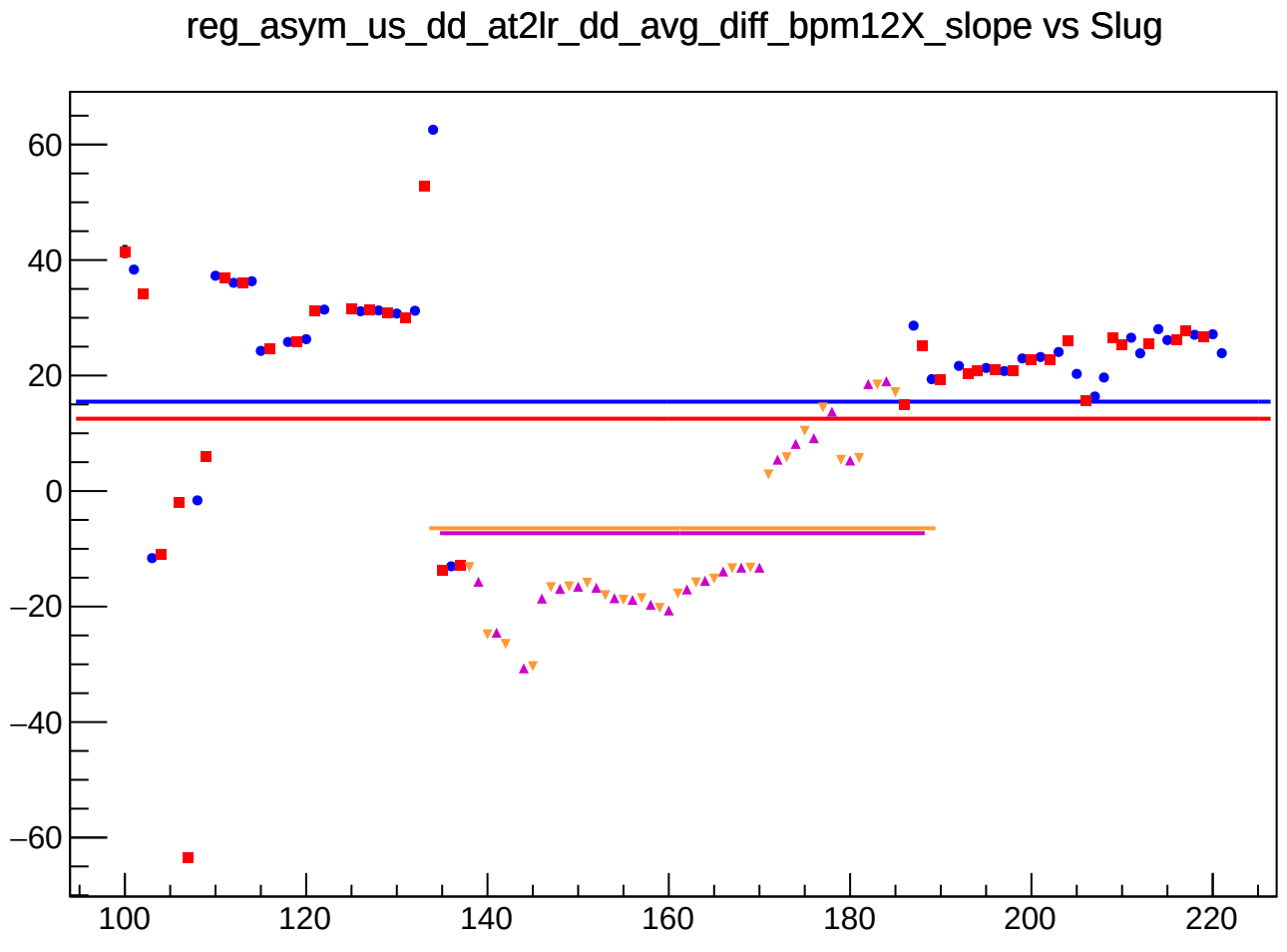
Right Out: -3.504+/-0.977 χ^2/NDF: 954.9/34

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -4.813+/-0.410 χ^2/NDF: 3079.7/57

All: -4.500+/-0.292 χ^2/NDF: 5890.5/115

- sign -4.179+/-0.415 χ^2/NDF: 2809.6/57



Right In: 15.478+/-0.048 χ^2/NDF: 180589.2/33

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 12.523+/-0.048 χ^2/NDF: 185403.4/34

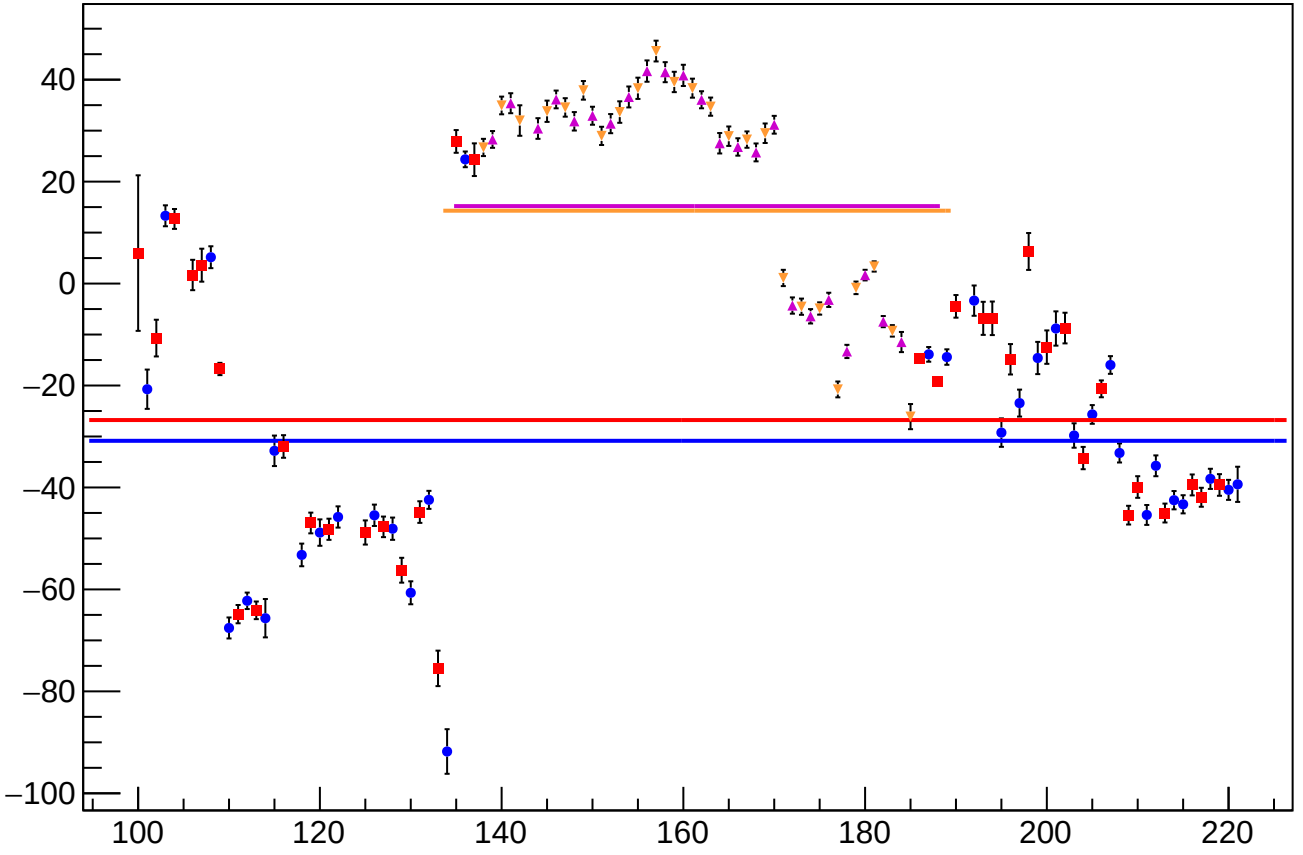
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.177+/-0.019 χ^2/NDF: 852527.3/57

All: -3.749+/-0.013 χ^2/NDF: 1670620.7/115

- sign -4.328+/-0.019 χ^2/NDF: 816194.9/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -30.848+/-0.362 χ^2/NDF: 4238.6/33

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

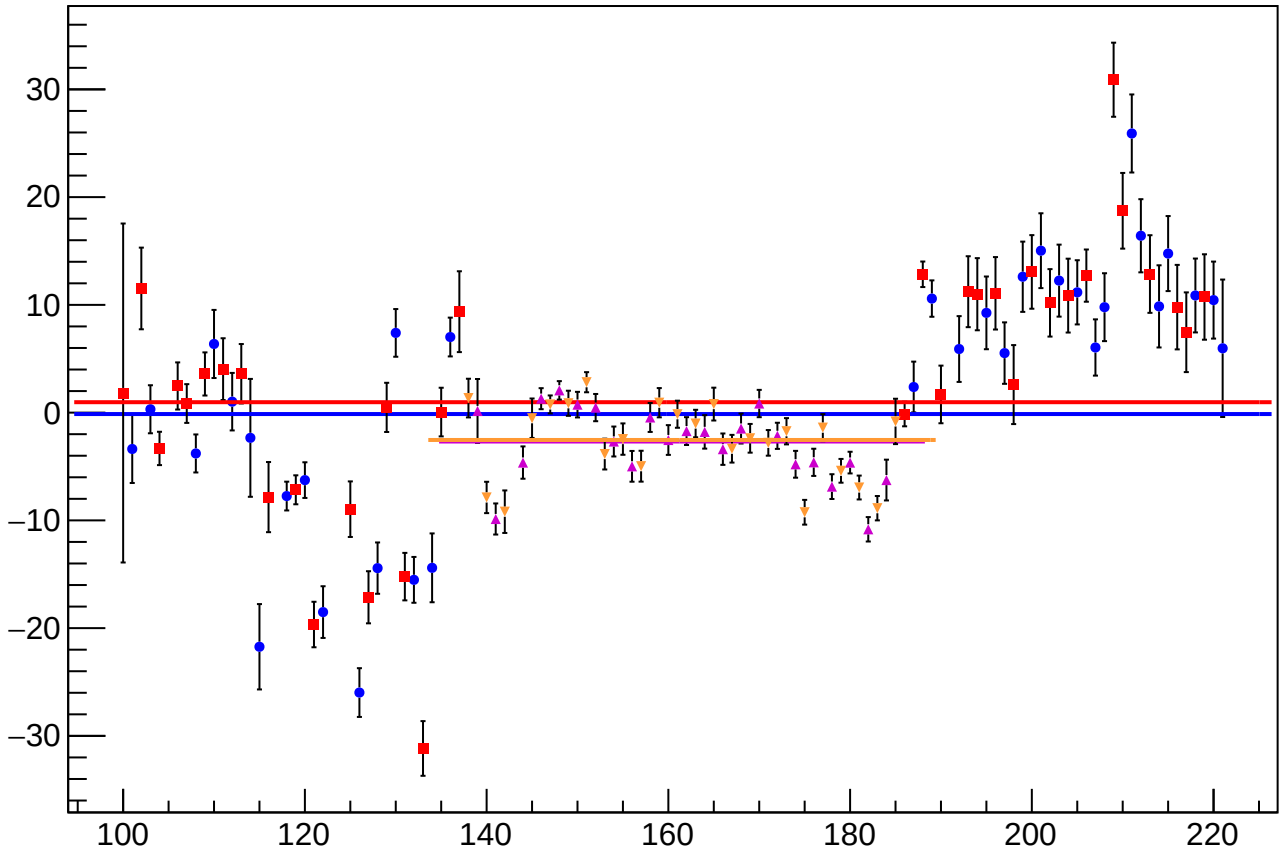
Right Out: -26.775+/-0.329 χ^2/NDF: 4254.7/34

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -6.550+/-0.246 χ^2/NDF: 16339.8/57

All: -6.481+/-0.170 χ^2/NDF: 31874.1/115

- sign -6.417+/-0.236 χ^2/NDF: 15534.1/57



Right In: -0.132+/-0.437 χ^2/NDF: 666.4/33

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.968+/-0.396 χ^2/NDF: 758.3/34

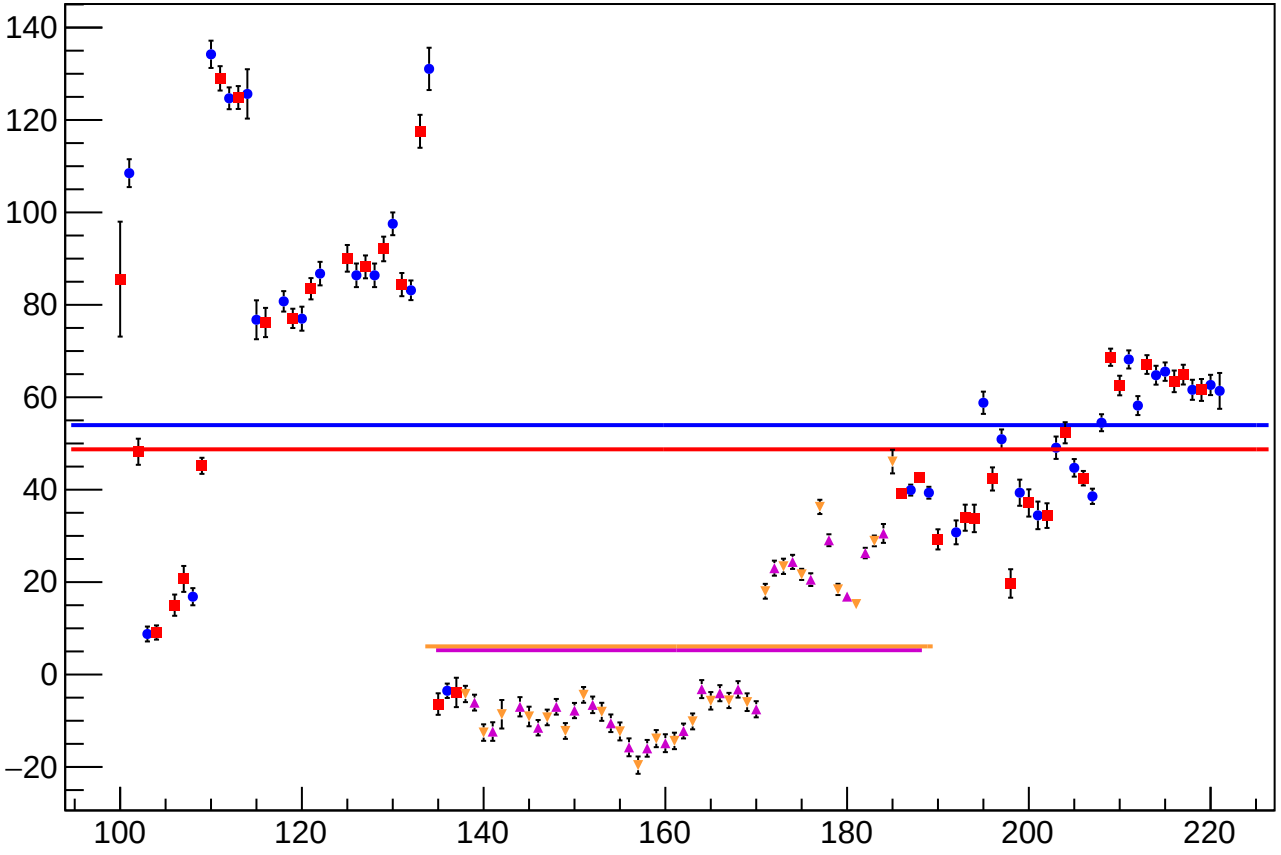
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -1.912+/-0.223 χ^2/NDF: 887.2/57

All: -1.731+/-0.157 χ^2/NDF: 1887.6/115

\- sign -1.553+/-0.220 χ^2/NDF: 999.0/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.971+/-0.365 χ^2/NDF: 6914.4/33

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

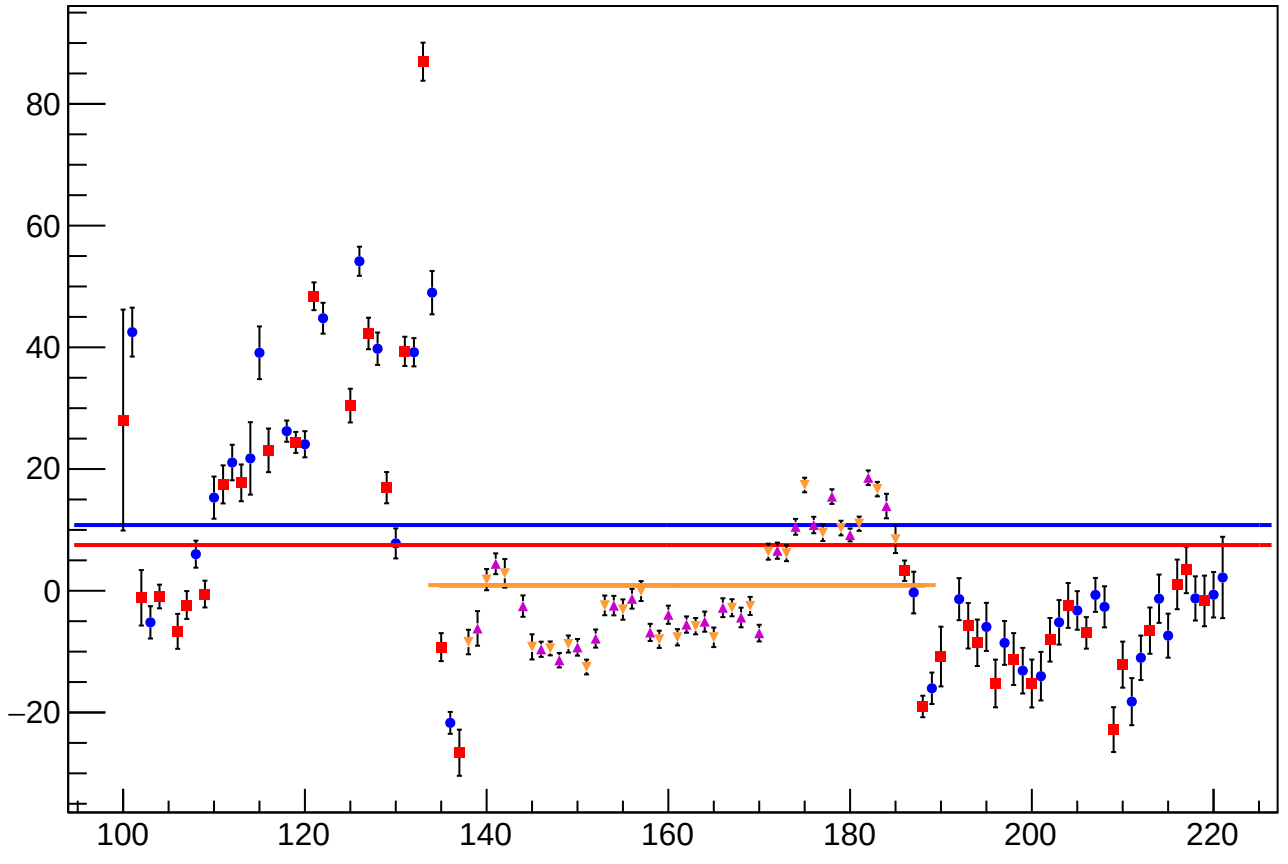
Right Out: 48.734+/-0.319 χ^2/NDF: 6380.3/34

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 27.860+/-0.246 χ^2/NDF: 19092.9/57

All: 28.014+/-0.169 χ^2/NDF: 36706.9/115

- sign 28.151+/-0.232 χ^2/NDF: 17613.3/57



Right In: 10.799+/-0.508 χ^2/NDF: 1973.2/33

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

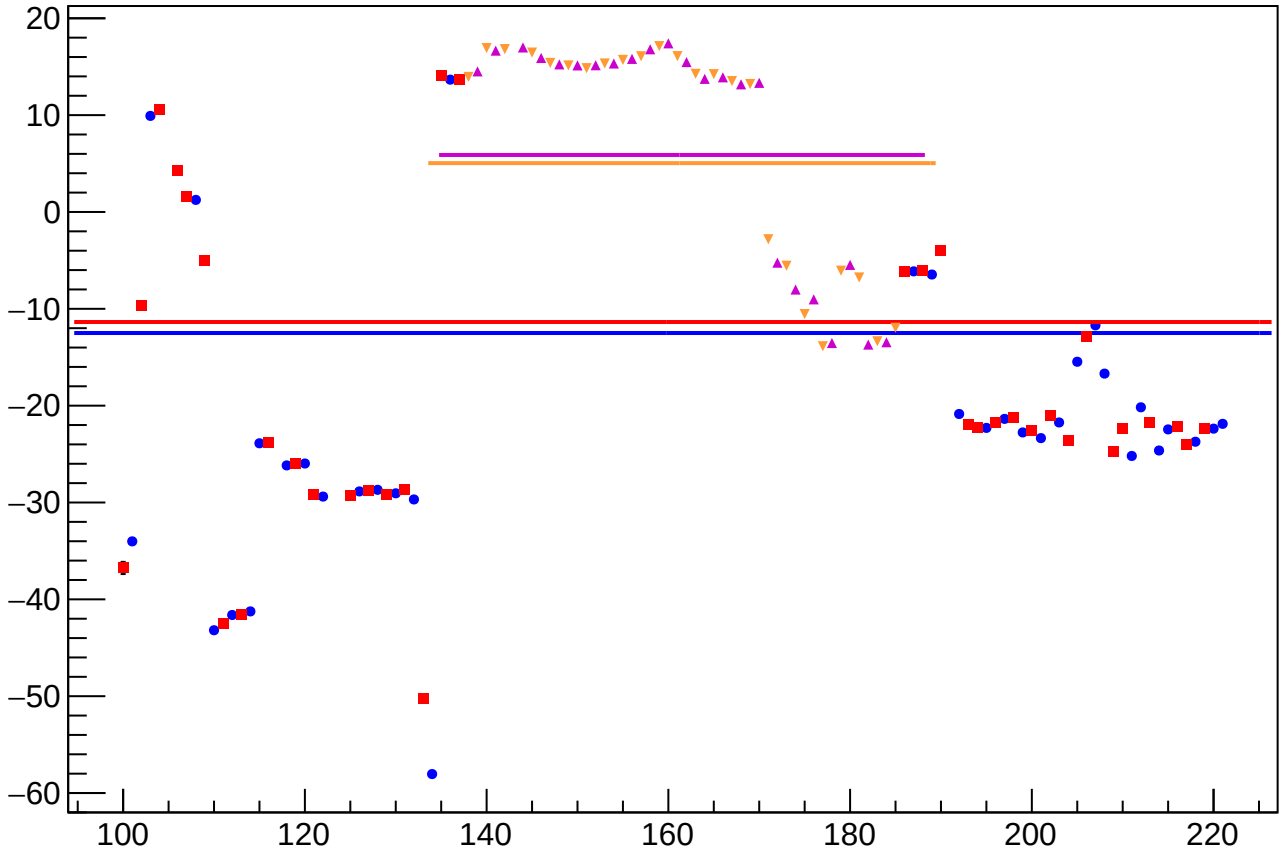
Right Out: 7.516+/-0.479 χ^2/NDF: 2290.9/34

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

\+ sign 3.378+/-0.253 χ^2/NDF: 3298.8/57

All: 3.051+/-0.179 χ^2/NDF: 6737.7/115

\- sign 2.724+/-0.253 χ^2/NDF: 3435.6/57



Right In: -12.499+/-0.024 χ^2/NDF: 509563.4/33

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

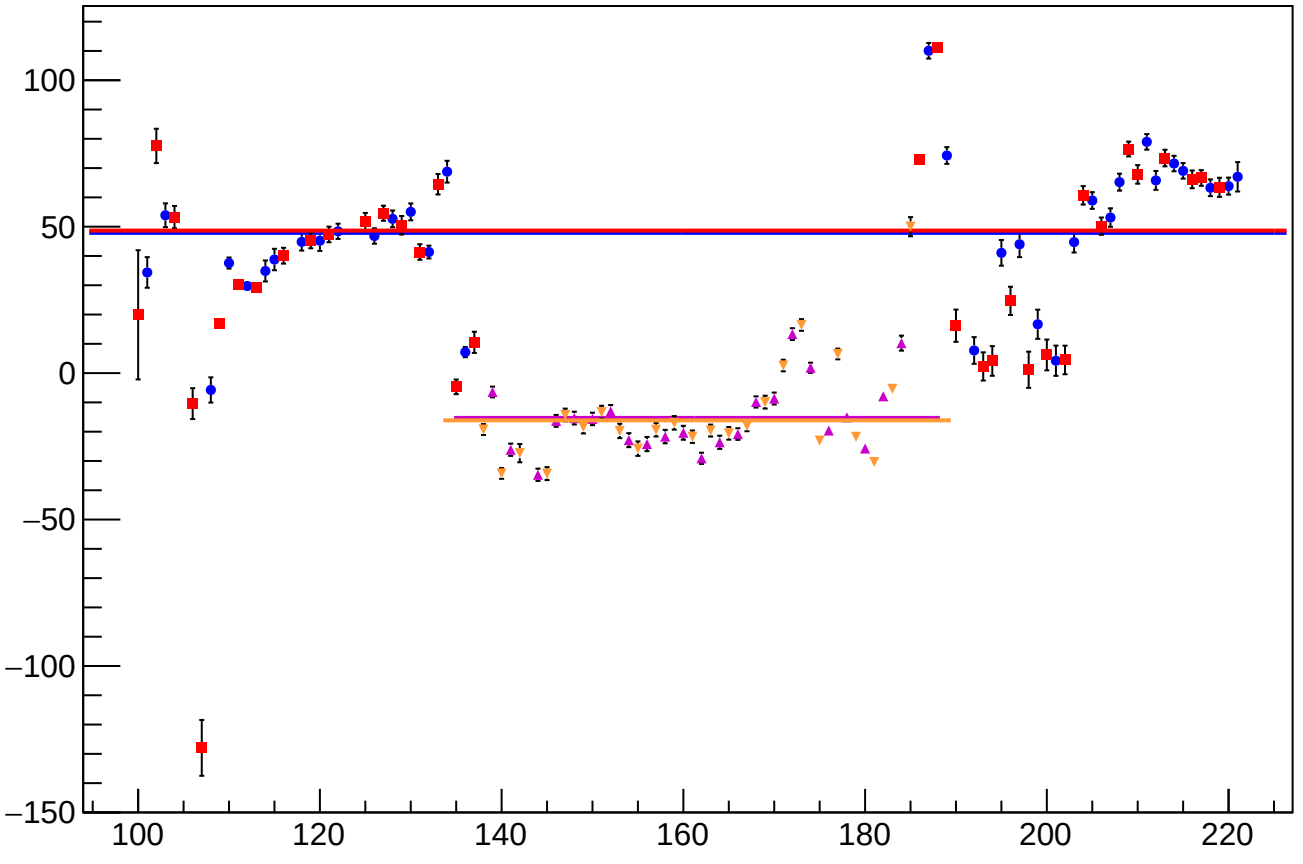
Right Out: -11.363+/-0.023 χ^2/NDF: 429506.2/34

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 0.926+/-0.011 χ^2/NDF: 1788337.7/57

All: 1.306+/-0.008 χ^2/NDF: 3485544.0/115

- sign 1.686+/-0.011 χ^2/NDF: 1694993.9/57



Right In: 47.888+/-0.498 χ^2/NDF: 2204.0/33

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.668+/-0.472 χ^2/NDF: 4487.5/34

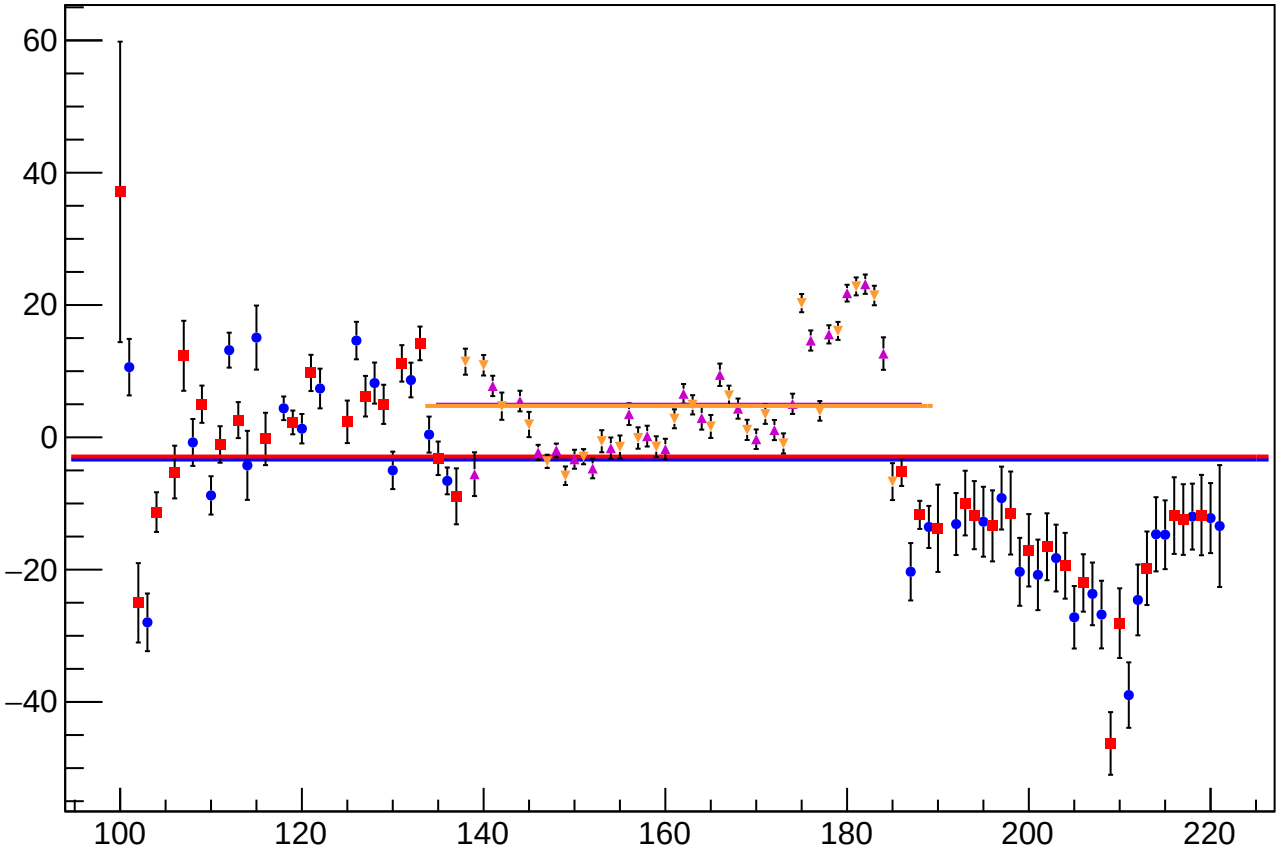
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 8.837+/-0.311 χ^2/NDF: 13665.0/57

All: 10.287+/-0.218 χ^2/NDF: 29576.2/115

- sign 11.698+/-0.307 χ^2/NDF: 15868.2/57

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.354+/-0.600 χ^2/NDF: 429.3/33

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

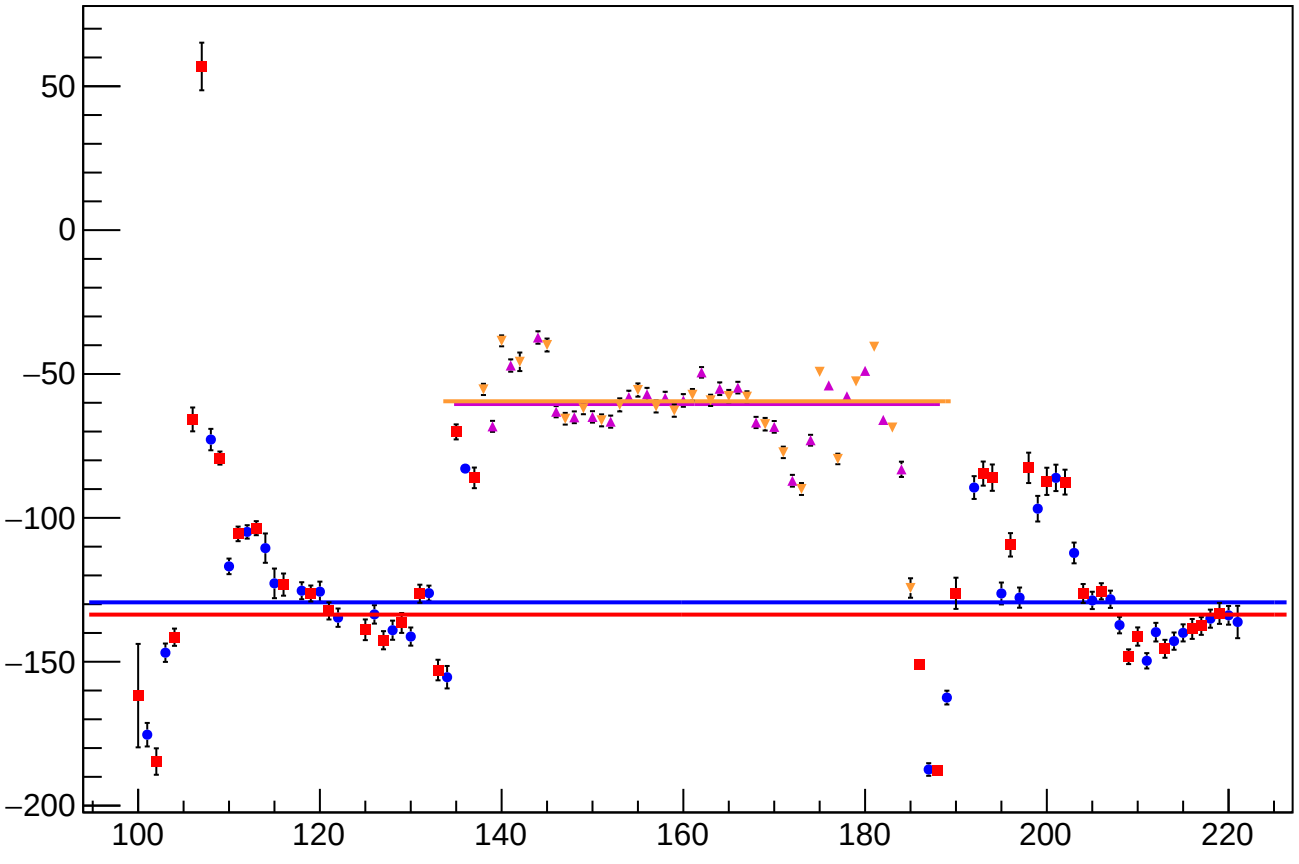
Right Out: -2.902+/-0.584 χ^2/NDF: 367.4/34

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.066+/-0.273 χ^2/NDF: 1367.8/57

All: 3.125+/-0.194 χ^2/NDF: 2563.6/115

- sign 3.185+/-0.276 χ^2/NDF: 1195.7/57



Right In: -129.358+/-0.531 χ^2/NDF: 2591.8/33

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

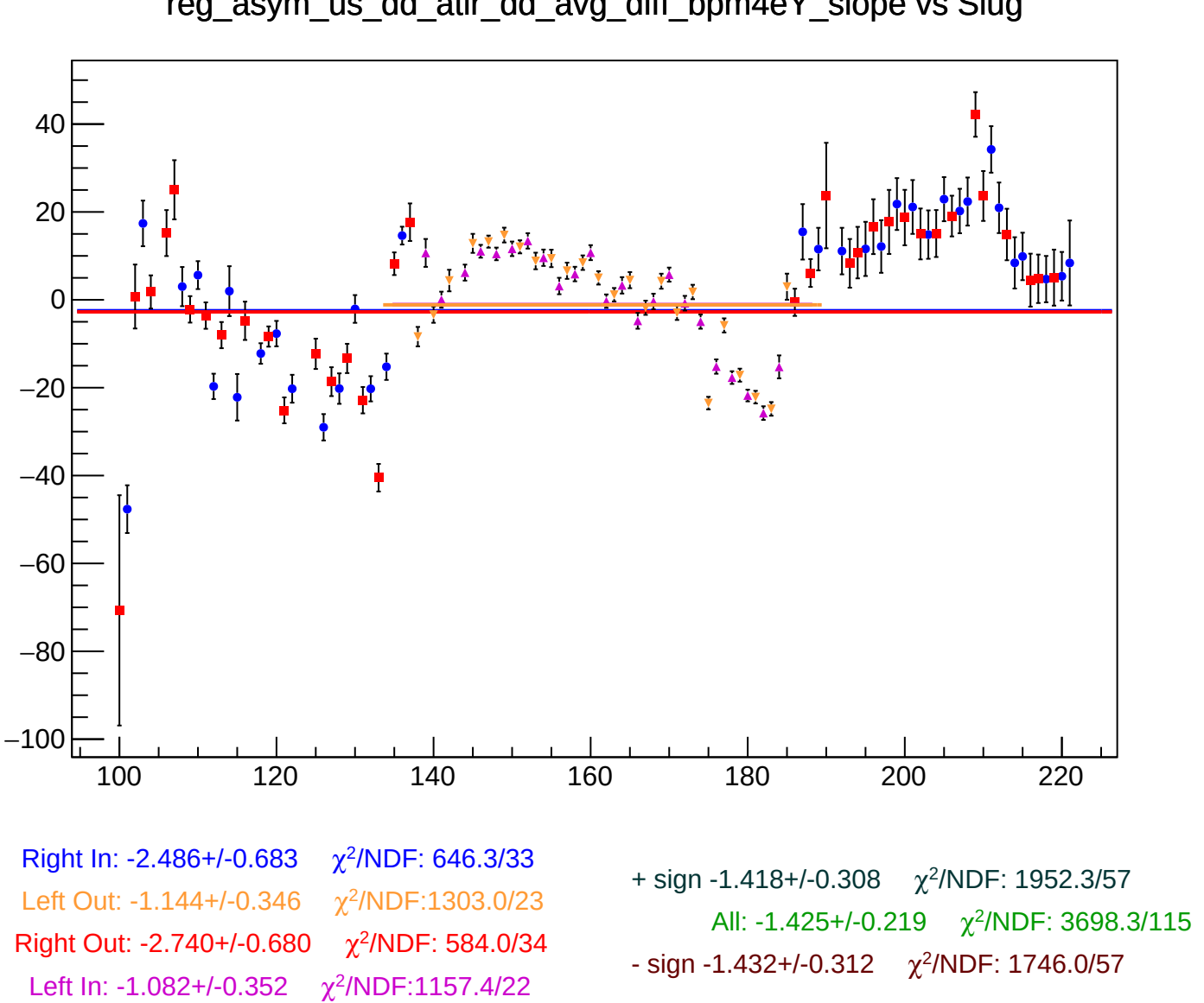
Right Out: -133.620+/-0.494 χ^2/NDF: 5389.1/34

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -84.370+/-0.317 χ^2/NDF: 15115.7/57

All: -86.933+/-0.222 χ^2/NDF: 34580.6/115

\- sign -89.395+/-0.311 χ^2/NDF: 19336.6/57



Right In: -2.486+/-0.683 χ^2/NDF: 646.3/33

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

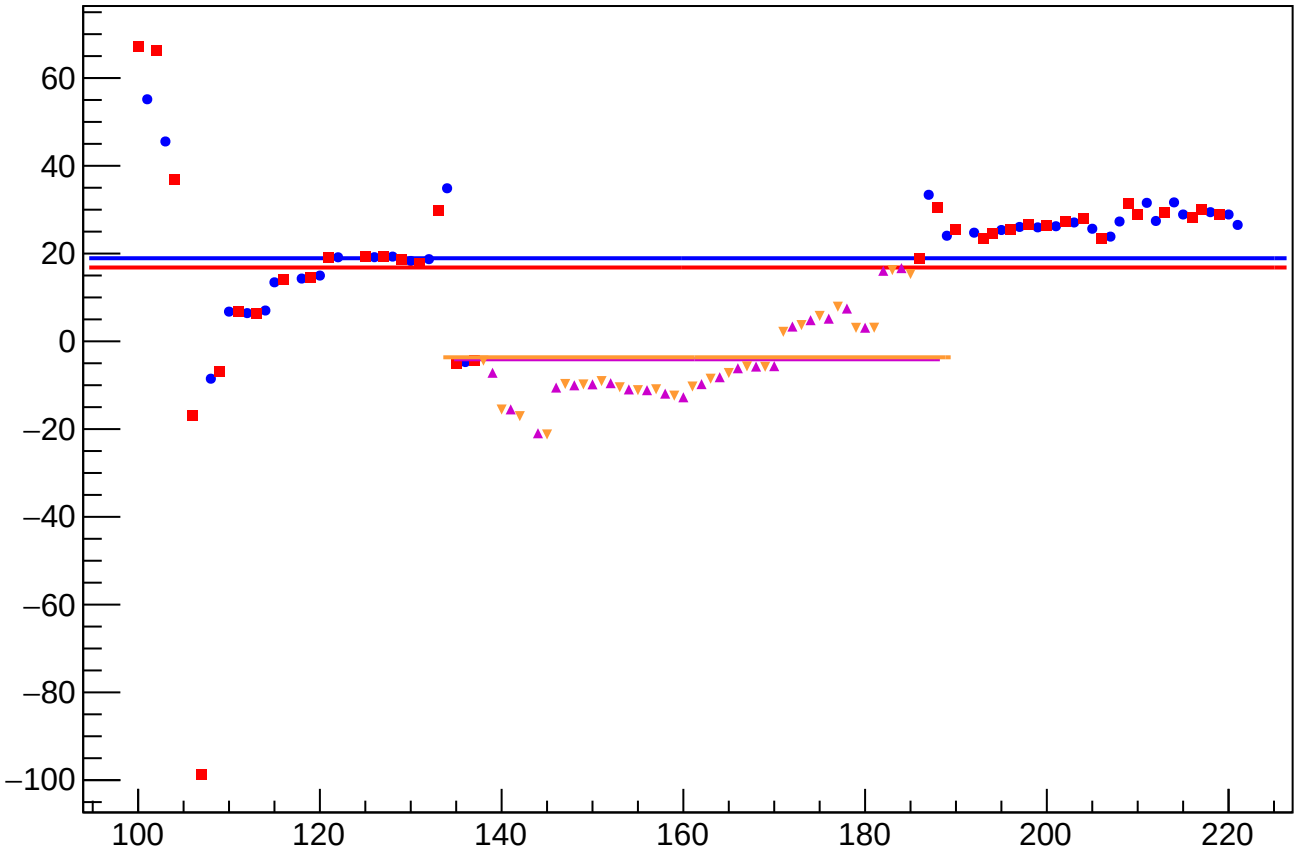
Right Out: -2.740+/-0.680 χ^2/NDF: 584.0/34

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.418+/-0.308 χ^2/NDF: 1952.3/57

All: -1.425+/-0.219 χ^2/NDF: 3698.3/115

- sign -1.432+/-0.312 χ^2/NDF: 1746.0/57



Right In: 18.936+/-0.035 χ^2/NDF: 221136.6/33

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

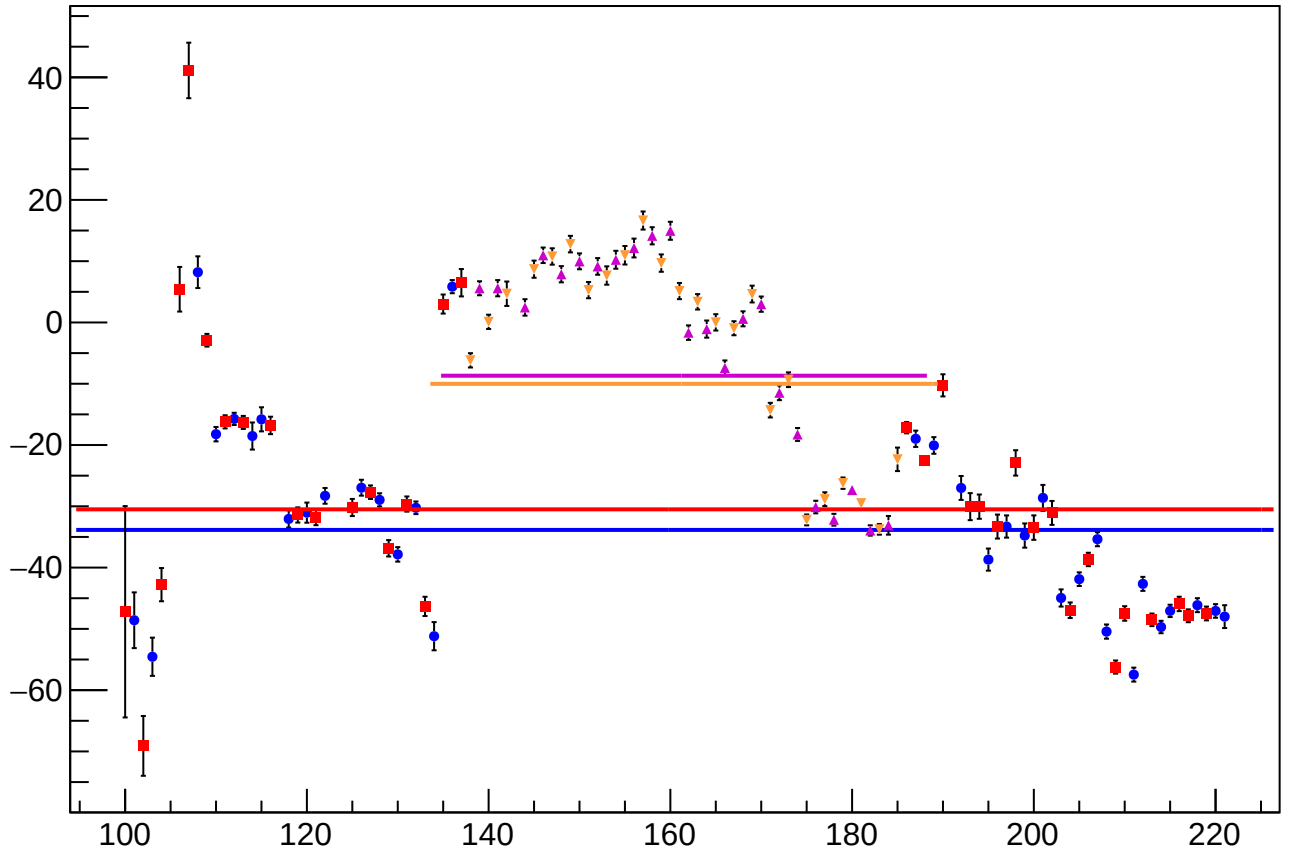
Right Out: 16.824+/-0.035 χ^2/NDF: 355843.2/34

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign 0.123+/-0.014 χ^2/NDF: 922695.8/57

All: -0.270+/-0.010 χ^2/NDF: 1910119.5/115

- sign -0.669+/-0.014 χ^2/NDF: 985858.5/57



Right In: -33.852+/-0.231 χ^2/NDF: 4275.4/33

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

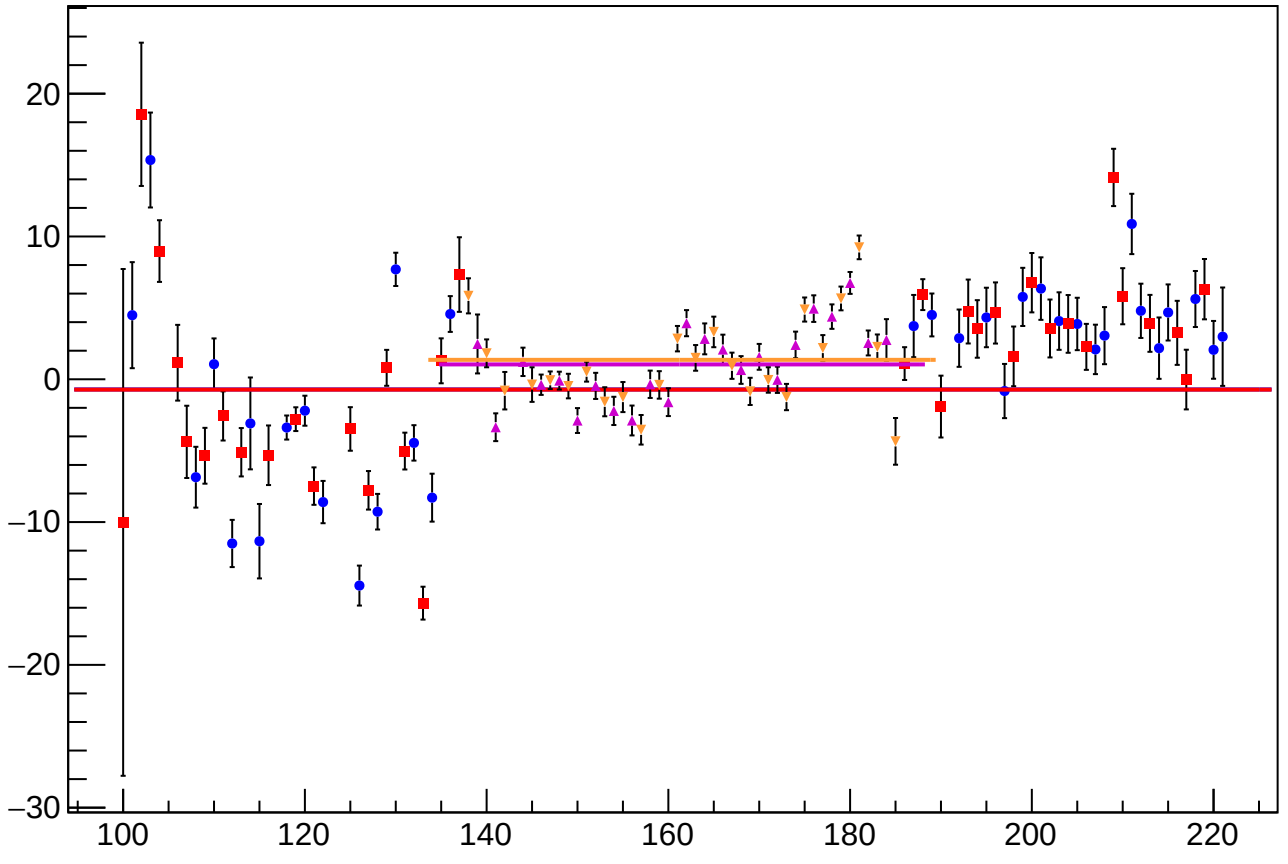
Right Out: -30.496+/-0.227 χ^2/NDF: 4908.9/34

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -22.615+/-0.168 χ^2/NDF: 14285.7/57

All: -21.565+/-0.119 χ^2/NDF: 28499.9/115

- sign -20.518+/-0.168 χ^2/NDF: 14136.0/57



Right In: -0.713+/-0.287 χ^2/NDF: 502.8/33

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

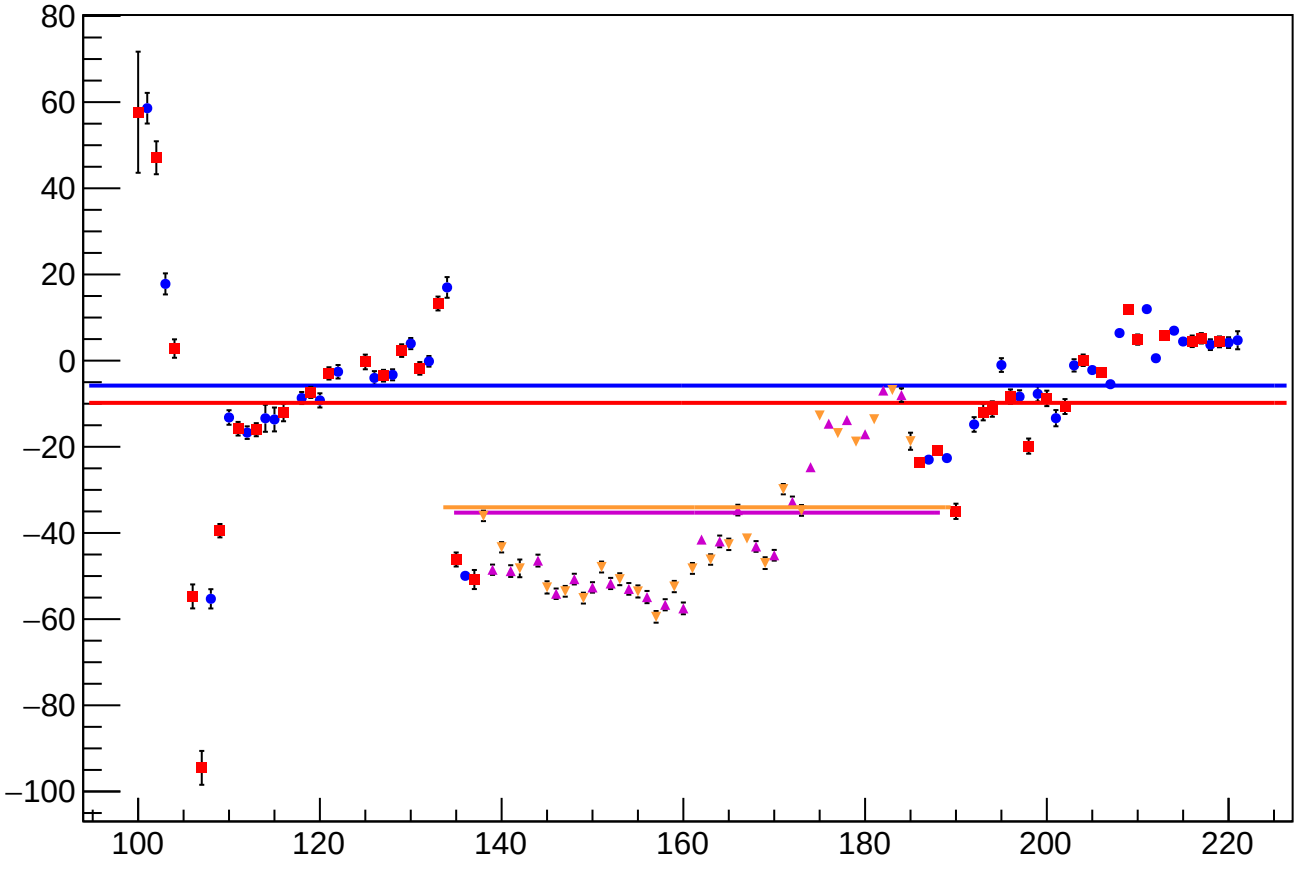
Right Out: -0.725+/-0.283 χ^2/NDF: 482.3/34

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.736+/-0.157 χ^2/NDF: 779.7/57

All: 0.610+/-0.112 χ^2/NDF: 1486.0/115

- sign 0.482+/-0.159 χ^2/NDF: 705.1/57



Right In: -5.792+/-0.244 χ^2/NDF: 4121.5/33

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

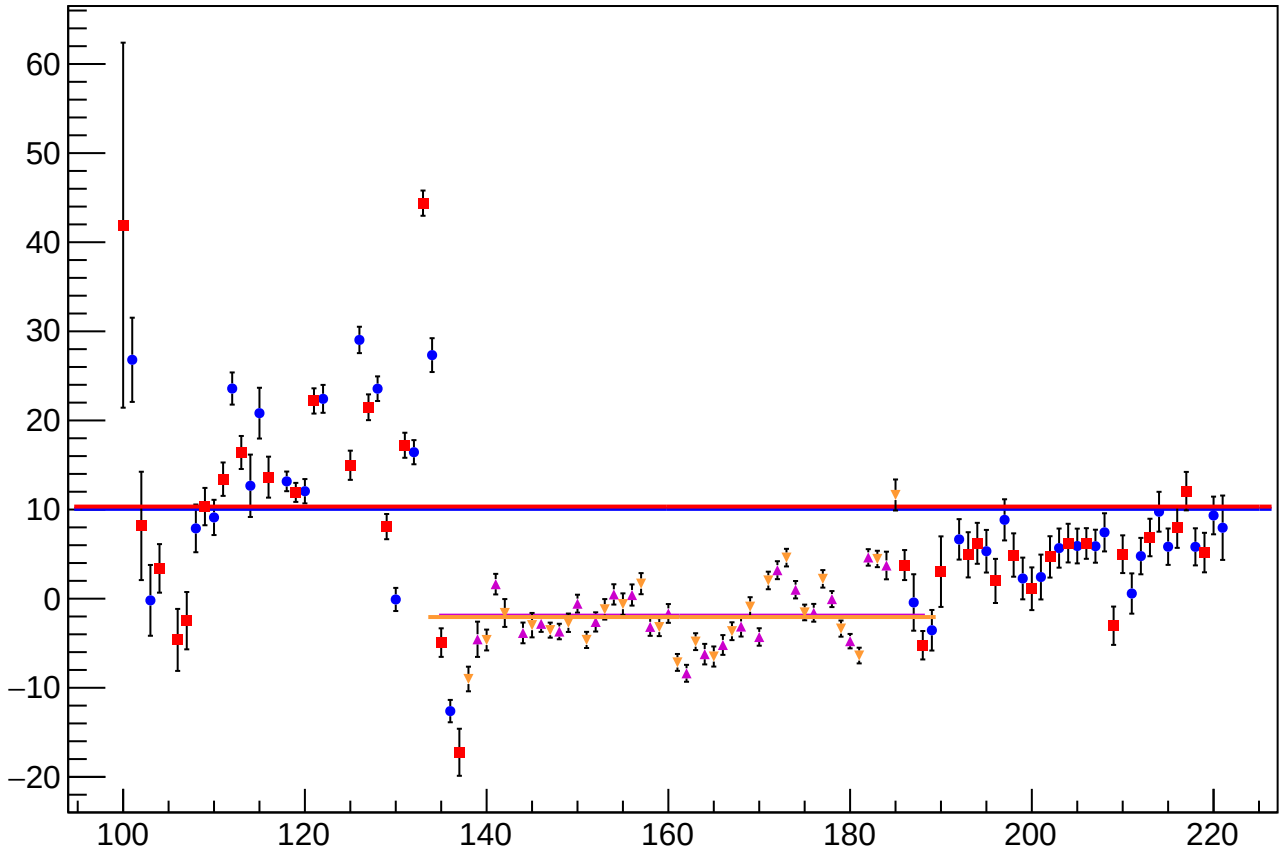
Right Out: -9.802+/-0.234 χ^2/NDF: 4774.9/34

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -19.972+/-0.172 χ^2/NDF: 15839.7/57

All: -20.975+/-0.121 χ^2/NDF: 31321.3/115

\- sign -21.951+/-0.169 χ^2/NDF: 15414.3/57



Right In: 10.078+/-0.326 χ^2/NDF: 1037.6/33

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

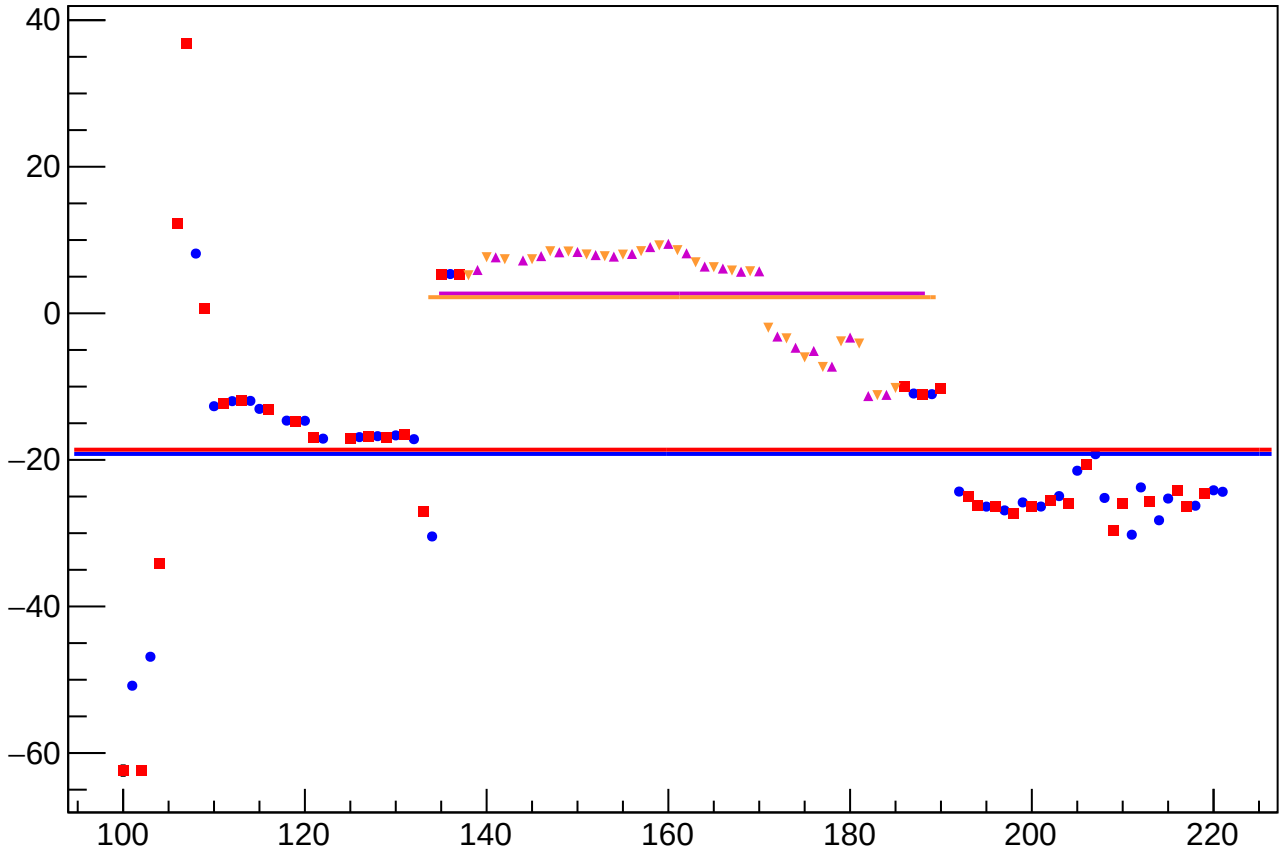
Right Out: 10.333+/-0.329 χ^2/NDF: 1226.1/34

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.547+/-0.178 χ^2/NDF: 2342.6/57

All: 1.668+/-0.127 χ^2/NDF: 4760.3/115

\- sign 1.793+/-0.181 χ^2/NDF: 2416.7/57



Right In: -19.186+/-0.016 χ^2/NDF: 537240.2/33

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.608+/-0.017 χ^2/NDF: 617372.7/34

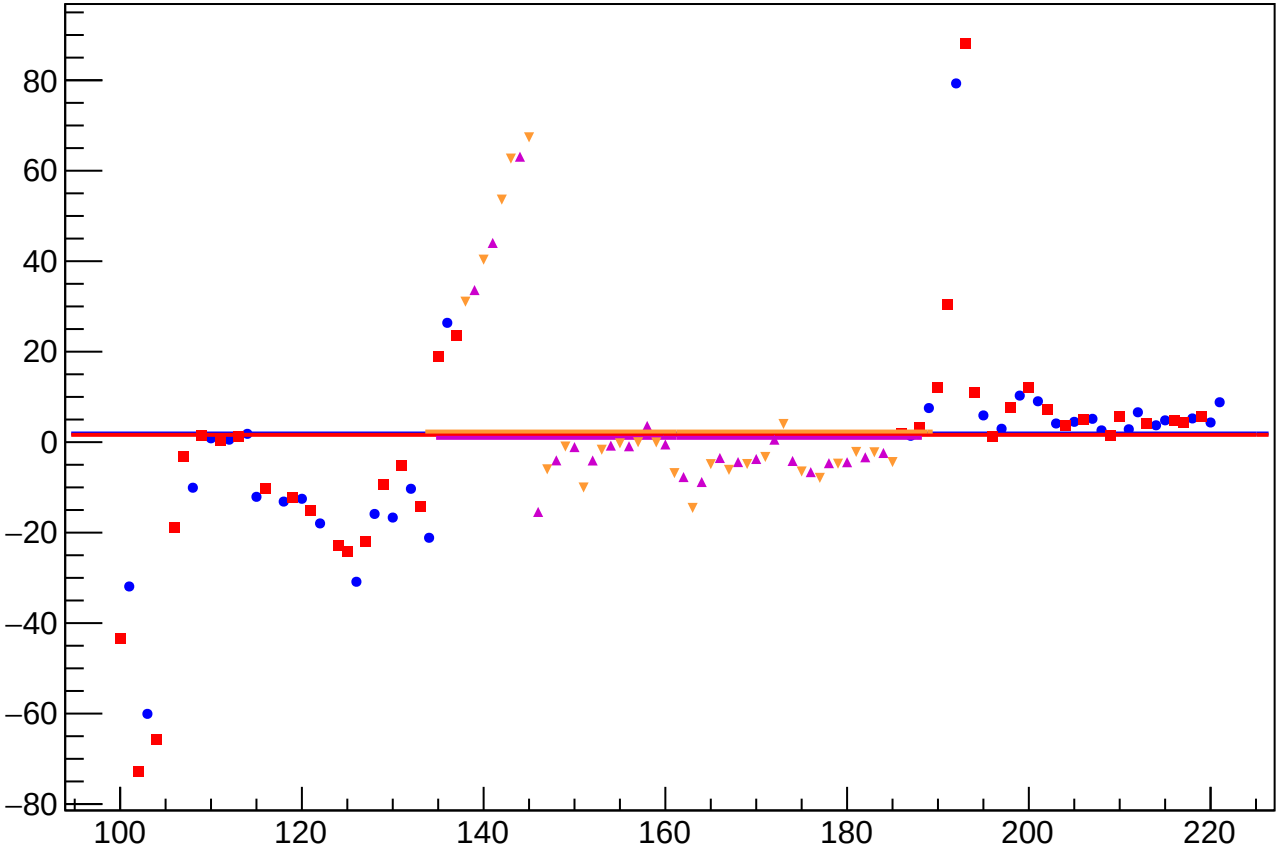
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -3.144+/-0.008 χ^2/NDF: 2312859.5/57

All: -2.872+/-0.006 χ^2/NDF: 4666287.4/115

\- sign -2.596+/-0.008 χ^2/NDF: 2351225.7/57

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.910+/-0.033 χ^2/NDF: 123204.1/33

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

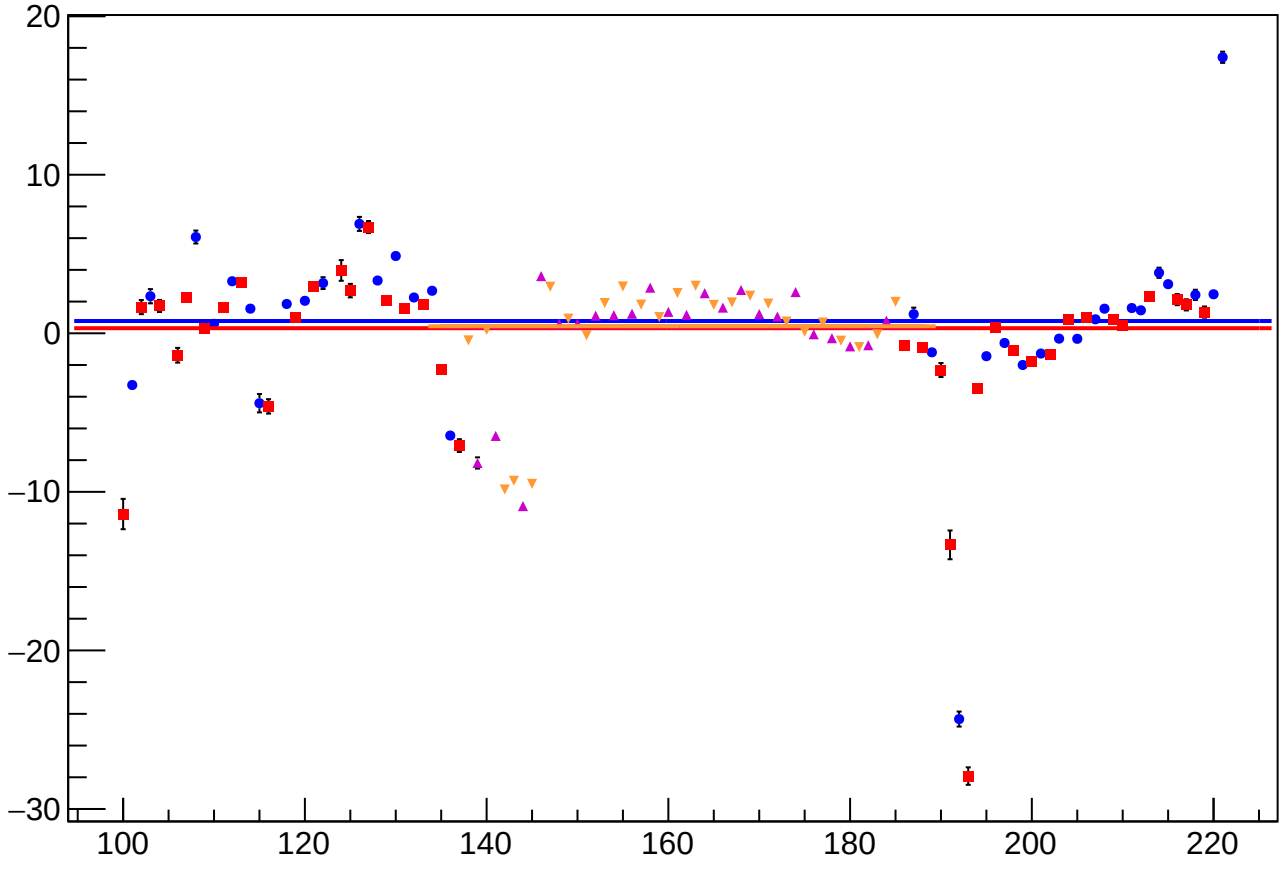
Right Out: 1.620+/-0.031 χ^2/NDF: 122903.0/36

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 2.085+/-0.026 χ^2/NDF: 300258.4/58

All: 1.712+/-0.018 χ^2/NDF: 556258.7/118

- sign 1.368+/-0.025 χ^2/NDF: 255593.8/59



Right In: 0.775+/-0.043 χ^2/NDF: 8415.6/33

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.321+/-0.042 χ^2/NDF: 5206.6/36

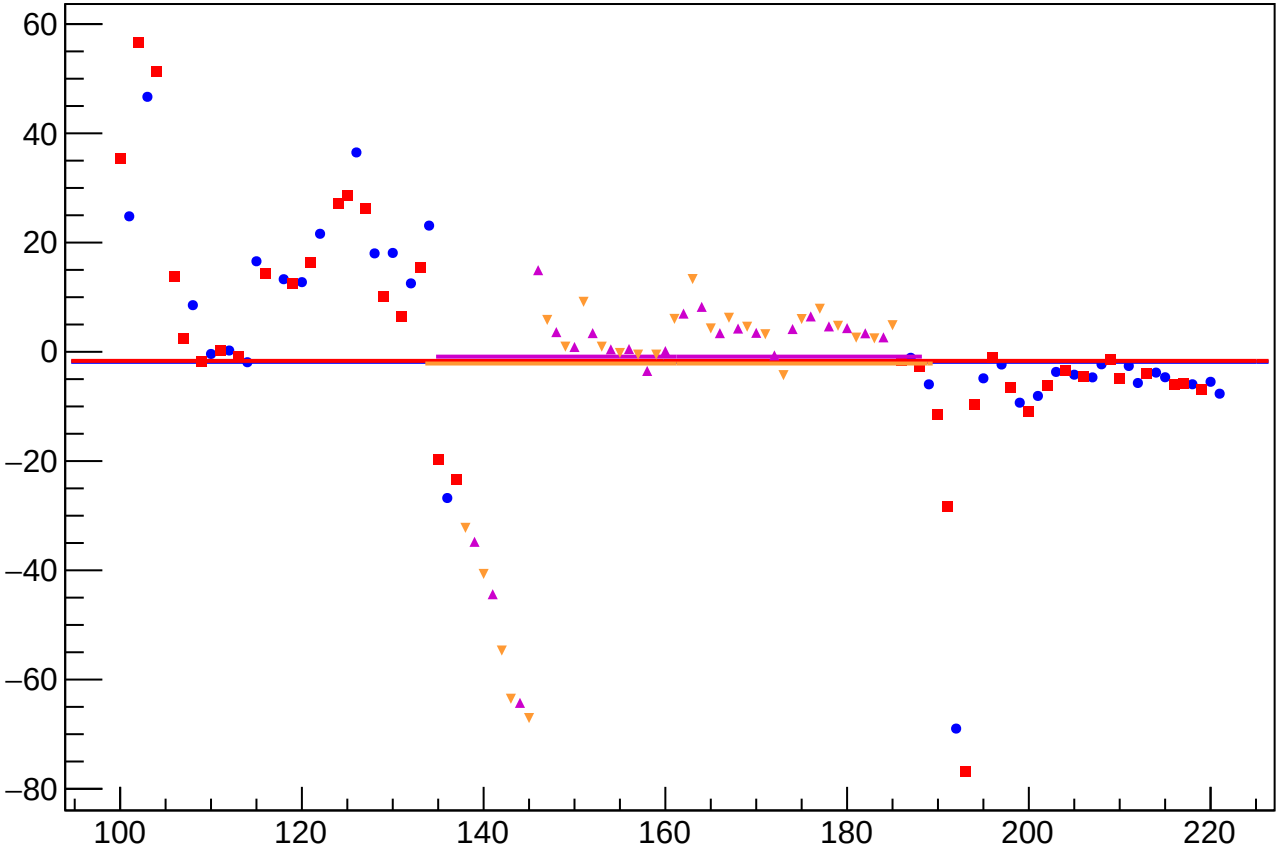
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.566+/-0.026 χ^2/NDF: 15496.6/58

All: 0.474+/-0.018 χ^2/NDF: 27833.6/118

- sign 0.389+/-0.025 χ^2/NDF: 12313.0/59

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -1.833+/-0.035 χ^2/NDF: 121284.0/33

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.657+/-0.033 χ^2/NDF: 121410.1/36

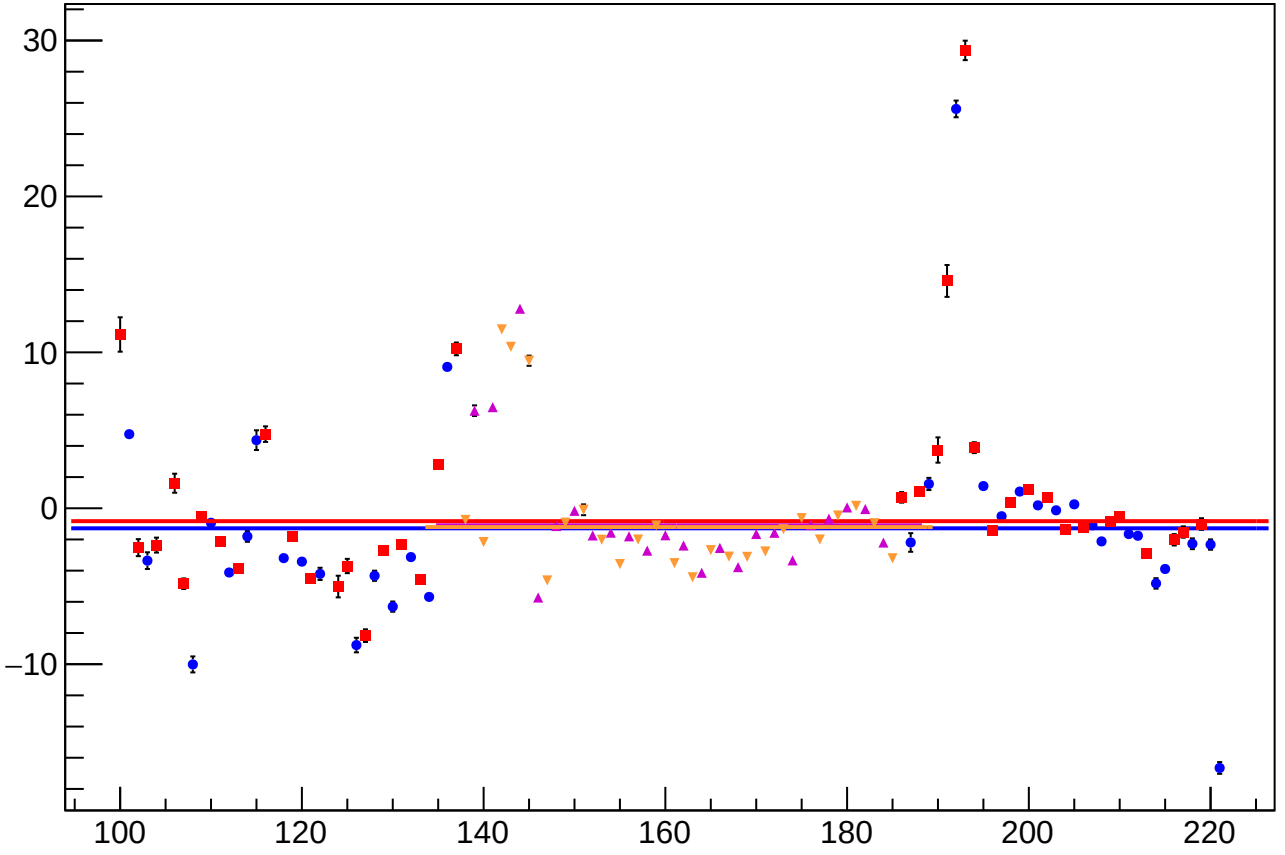
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.965+/-0.026 χ^2/NDF: 292589.1/58

All: -1.639+/-0.018 χ^2/NDF: 543722.2/118

- sign -1.335+/-0.025 χ^2/NDF: 250835.4/59

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.286+/-0.049 χ^2/NDF: 9335.9/33

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

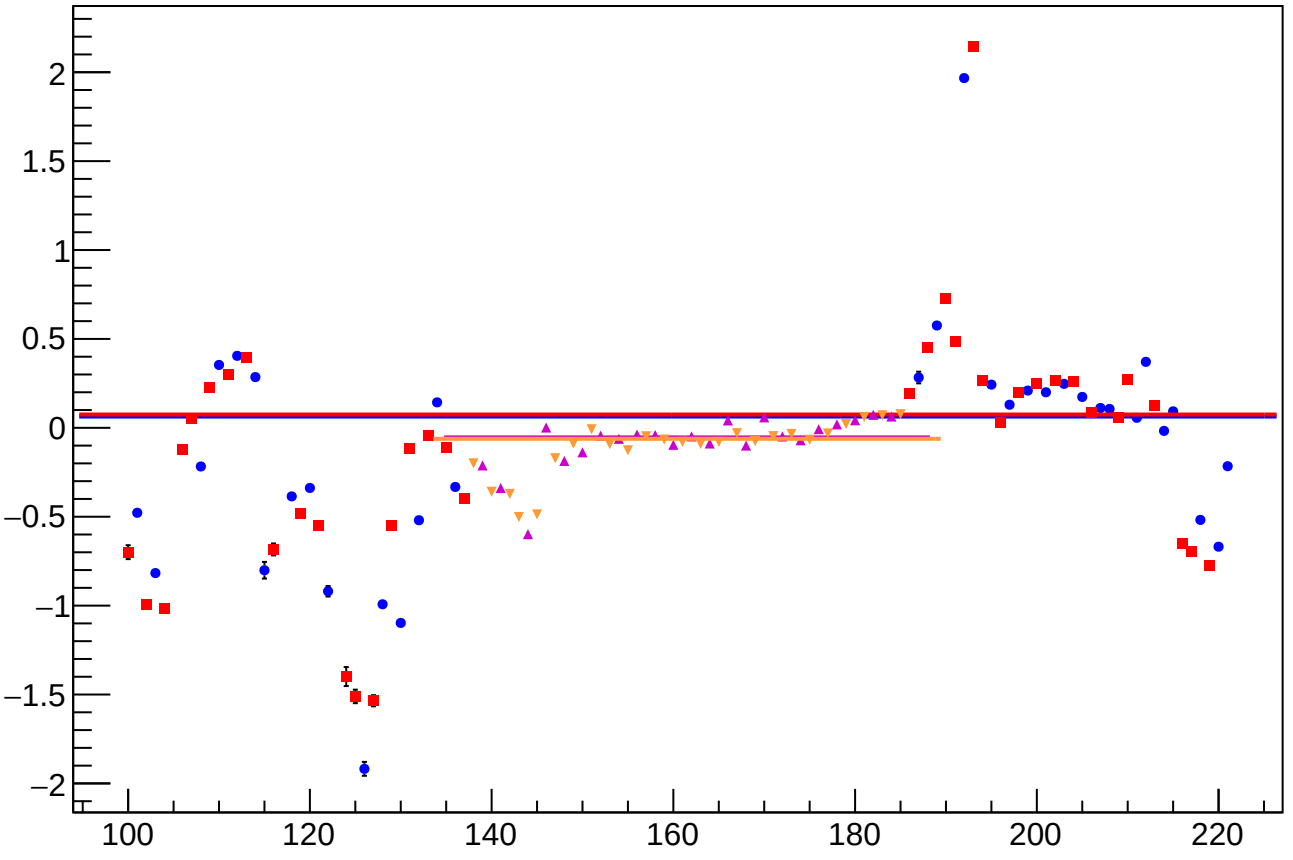
Right Out: -0.827+/-0.048 χ^2/NDF: 5674.9/36

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.234+/-0.029 χ^2/NDF: 16340.7/58

All: -1.114+/-0.020 χ^2/NDF: 29097.8/118

- sign -1.002+/-0.028 χ^2/NDF: 12724.3/59



Right In: 0.063+/-0.002 χ^2/NDF: 36855.3/33

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38970.6/36

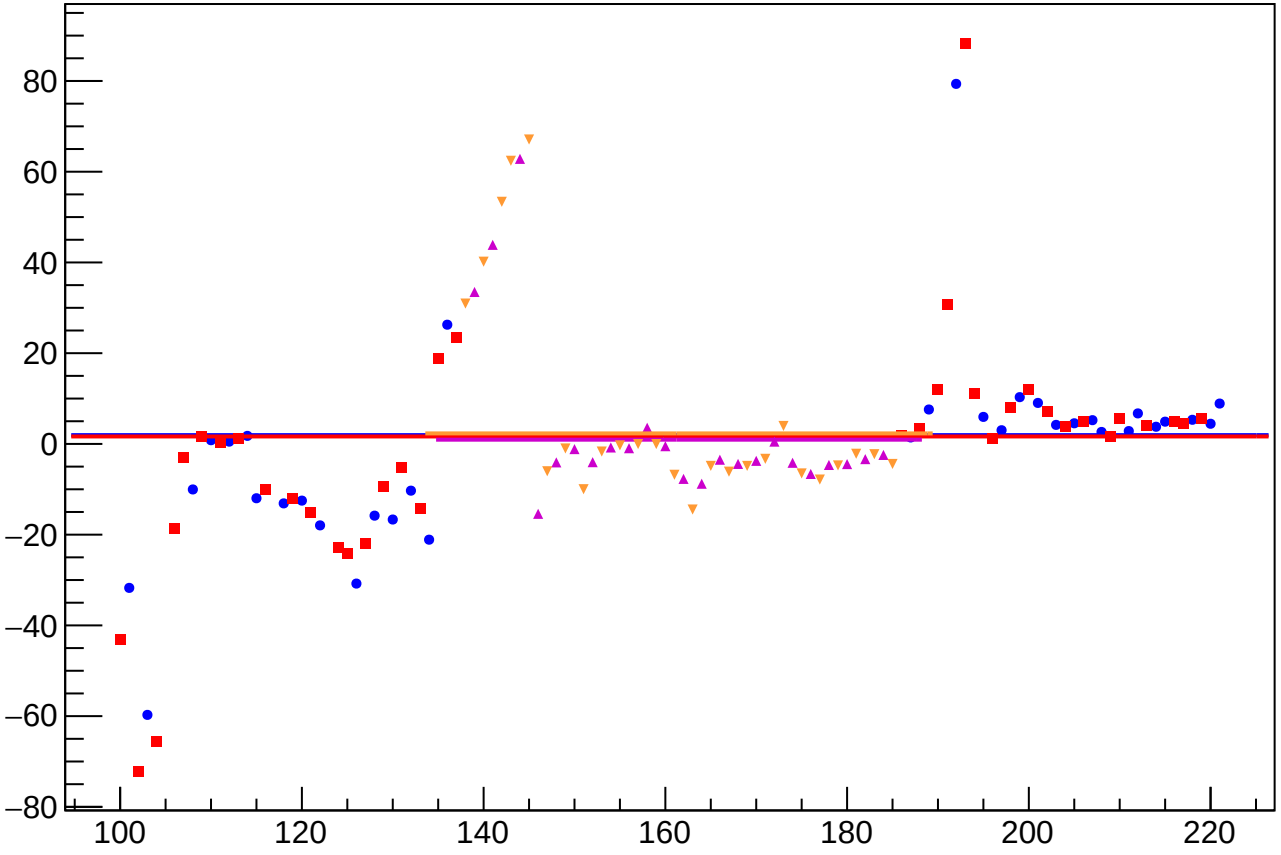
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.020+/-0.001 χ^2/NDF: 44654.4/58

All: -0.017+/-0.001 χ^2/NDF: 90990.9/118

- sign -0.014+/-0.001 χ^2/NDF: 46324.5/59

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.939+/-0.033 χ^2/NDF: 123826.4/33

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.646+/-0.031 χ^2/NDF: 123540.5/36

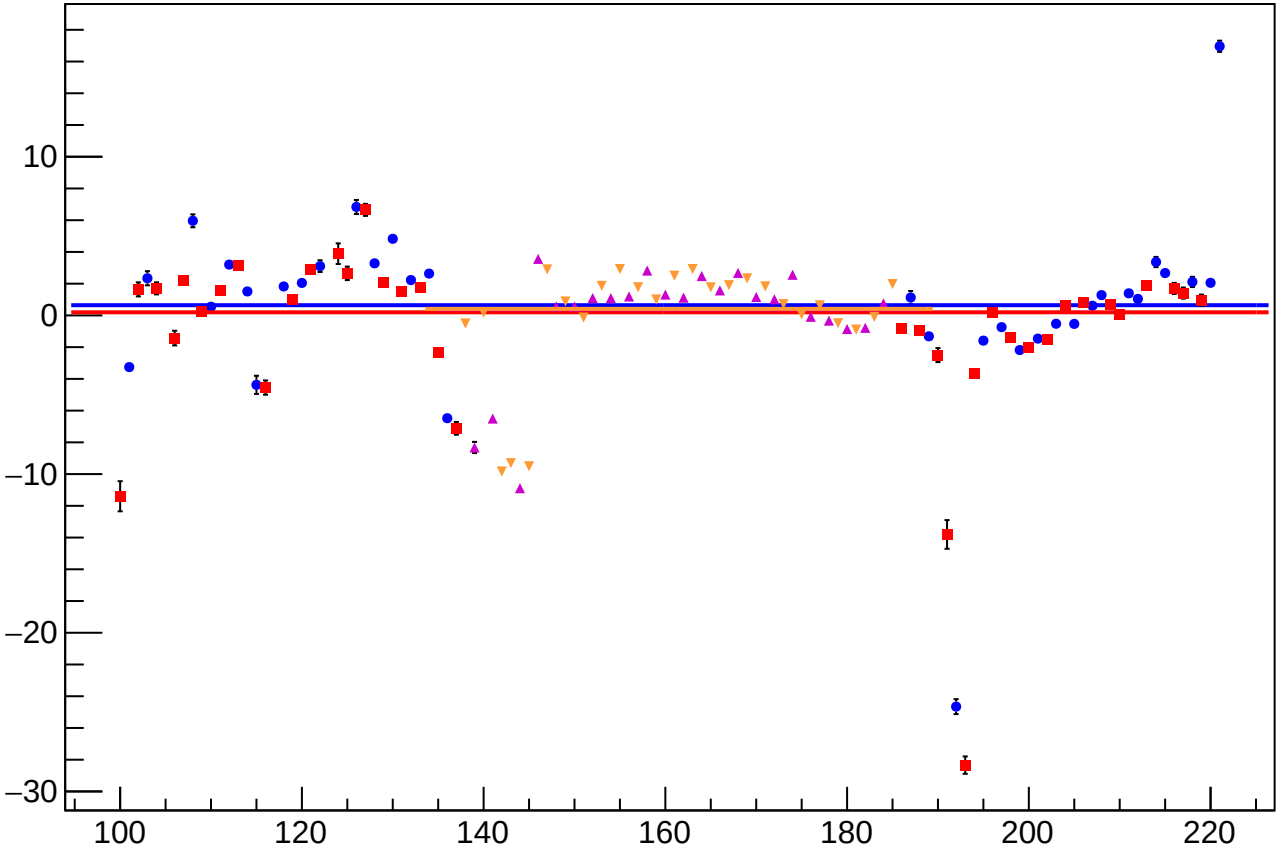
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 2.092+/-0.026 χ^2/NDF: 300625.8/58

All: 1.719+/-0.018 χ^2/NDF: 557178.4/118

- sign 1.377+/-0.024 χ^2/NDF: 256143.8/59

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.644+/-0.043 χ^2/NDF: 8410.6/33

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.196+/-0.042 χ^2/NDF: 5335.6/36

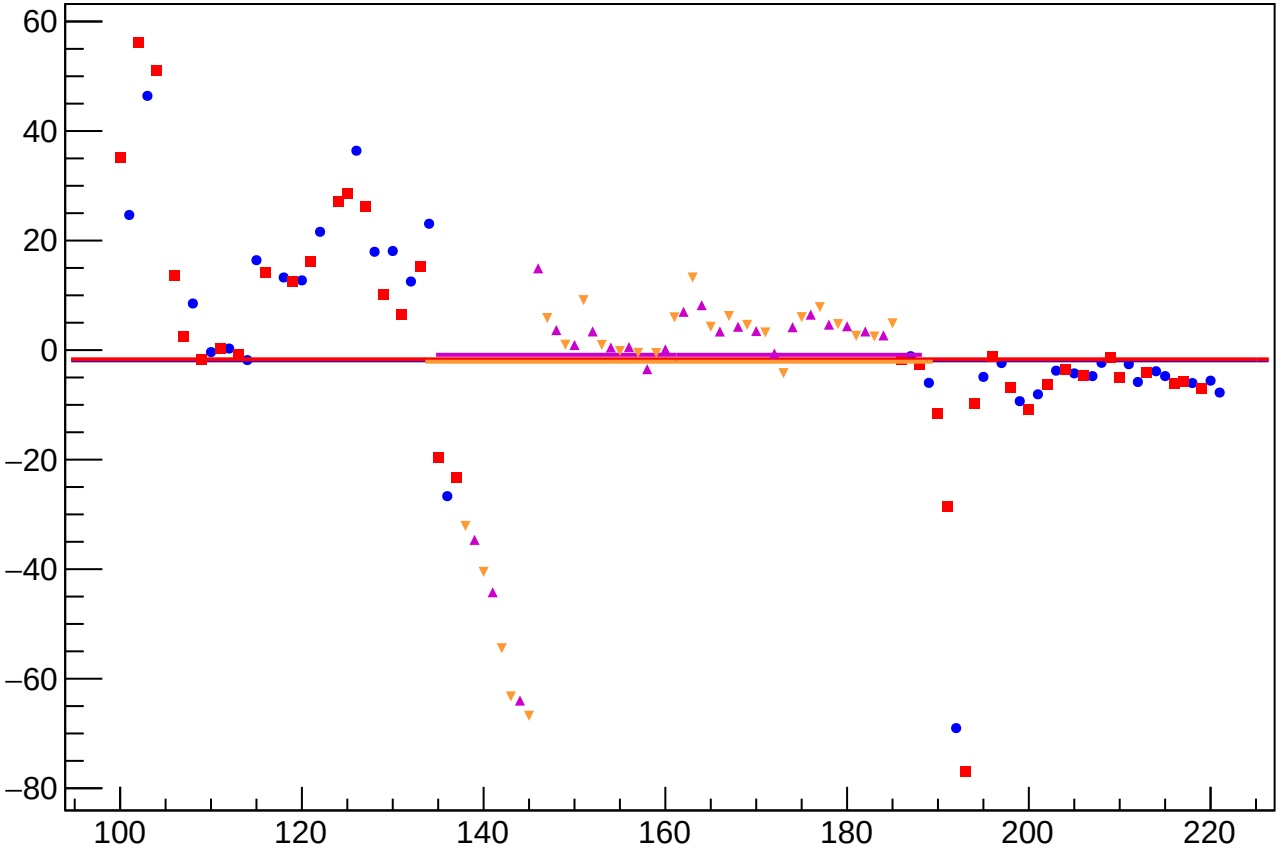
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.498+/-0.026 χ^2/NDF: 15476.0/58

All: 0.405+/-0.018 χ^2/NDF: 27964.0/118

- sign 0.319+/-0.025 χ^2/NDF: 12463.5/59

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.866+/-0.035 χ^2/NDF: 121848.9/33

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.687+/-0.033 χ^2/NDF: 122009.1/36

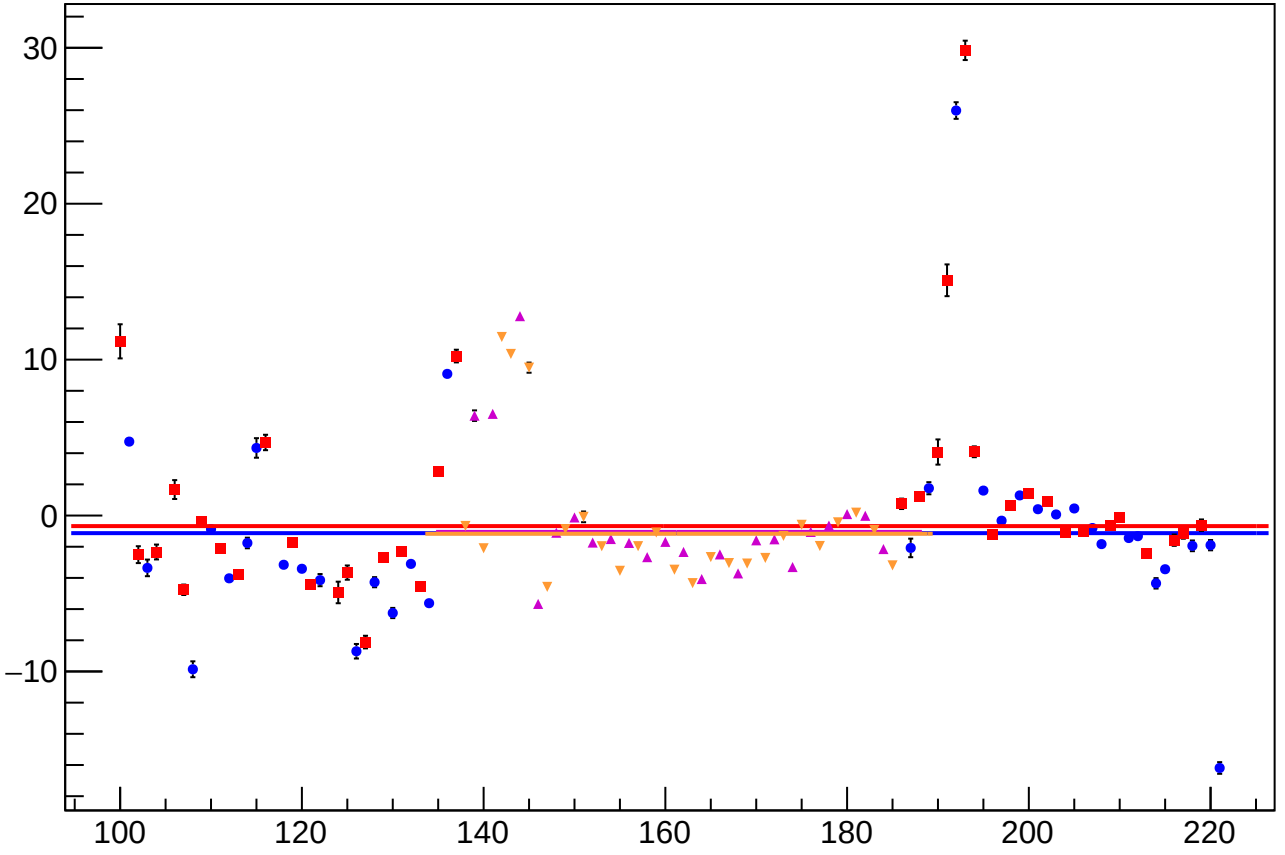
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.974+/-0.026 χ^2/NDF: 292911.5/58

All: -1.648+/-0.018 χ^2/NDF: 544566.7/118

- sign -1.345+/-0.025 χ^2/NDF: 251355.7/59

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.129+/-0.049 χ^2/NDF: 9335.1/33

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.677+/-0.048 χ^2/NDF: 5813.0/36

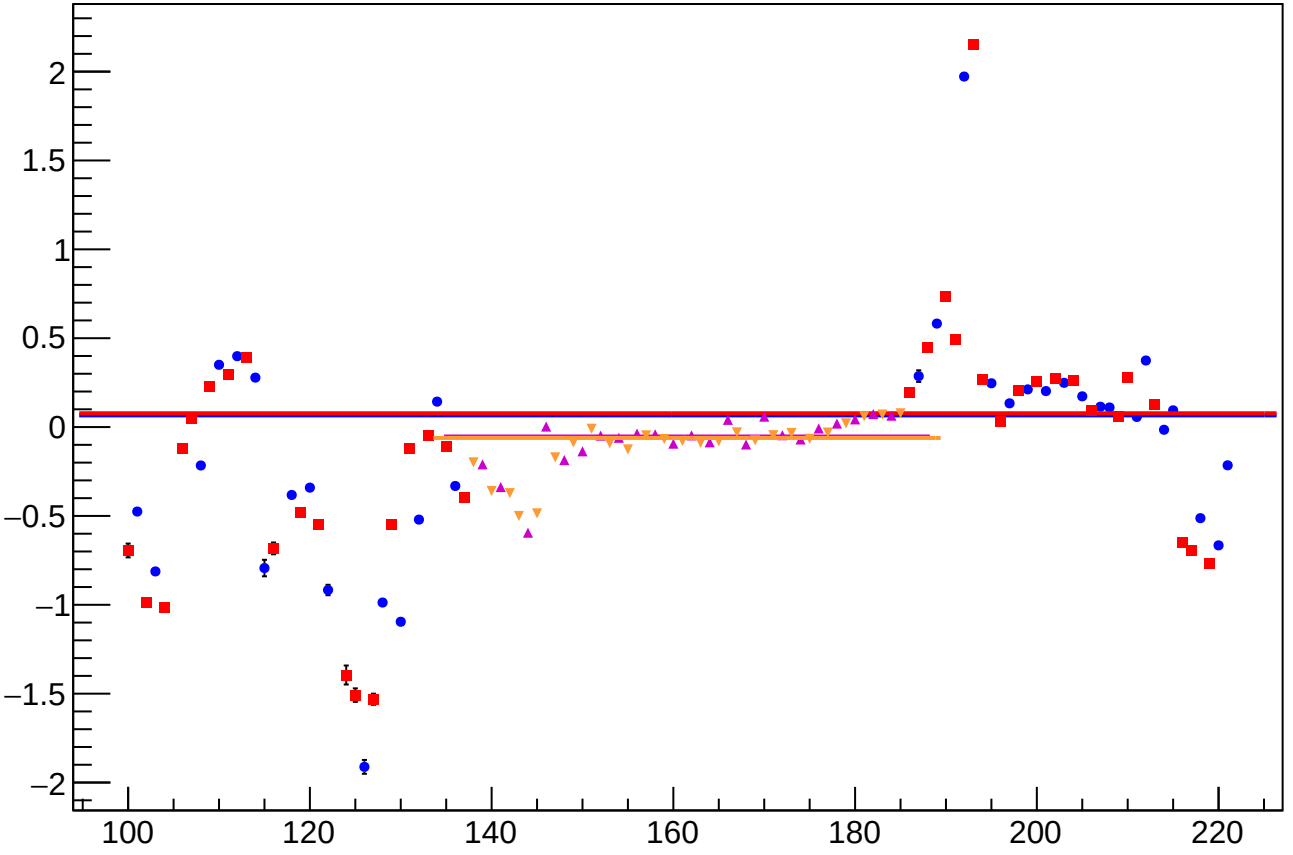
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.154+/-0.029 χ^2/NDF: 16336.9/58

All: -1.033+/-0.020 χ^2/NDF: 29263.4/118

- sign -0.920+/-0.028 χ^2/NDF: 12893.1/59

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 37143.5/33

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39313.8/36

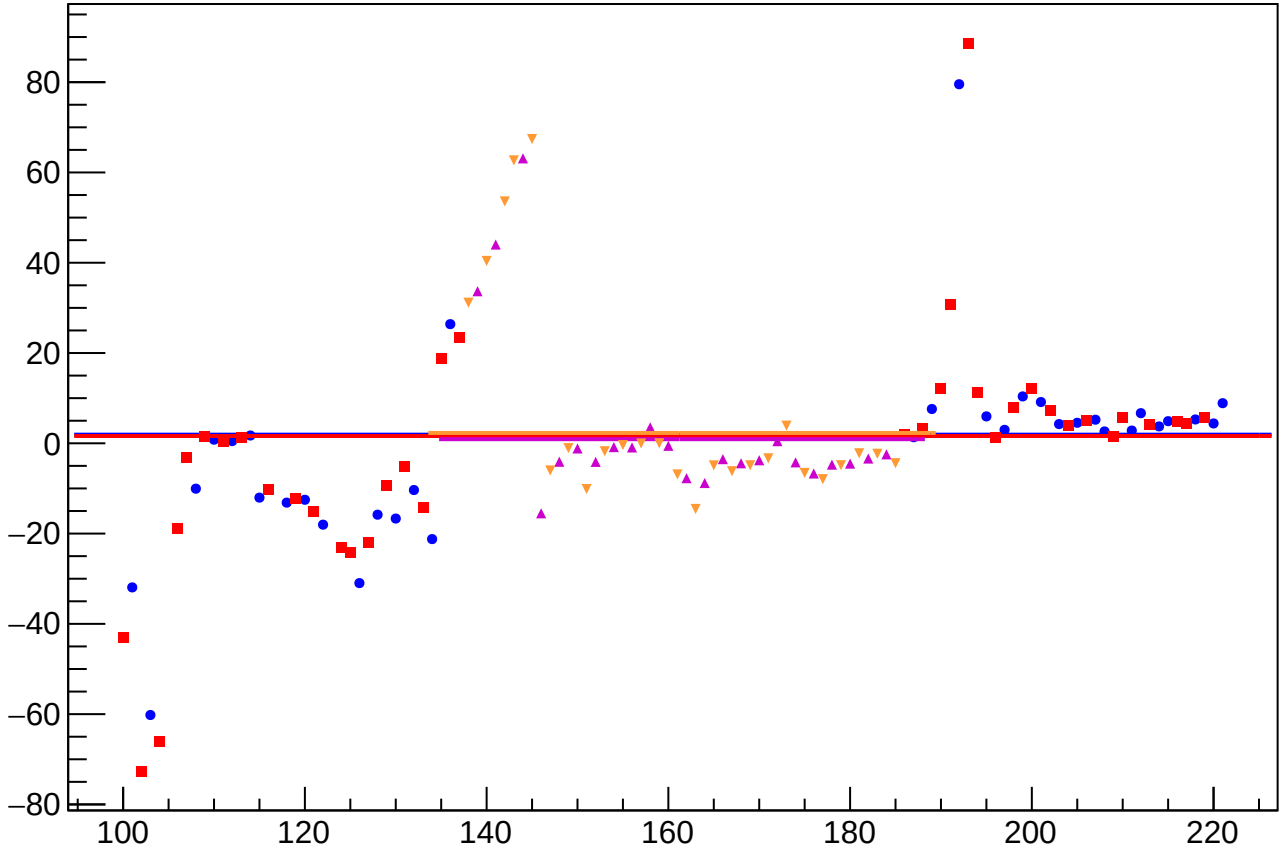
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.019+/-0.001 χ^2/NDF: 45038.3/58

All: -0.015+/-0.001 χ^2/NDF: 91792.6/118

- sign -0.012+/-0.001 χ^2/NDF: 46740.6/59

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.910+/-0.033 χ^2/NDF: 123828.3/33

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.617+/-0.031 χ^2/NDF: 123518.9/36

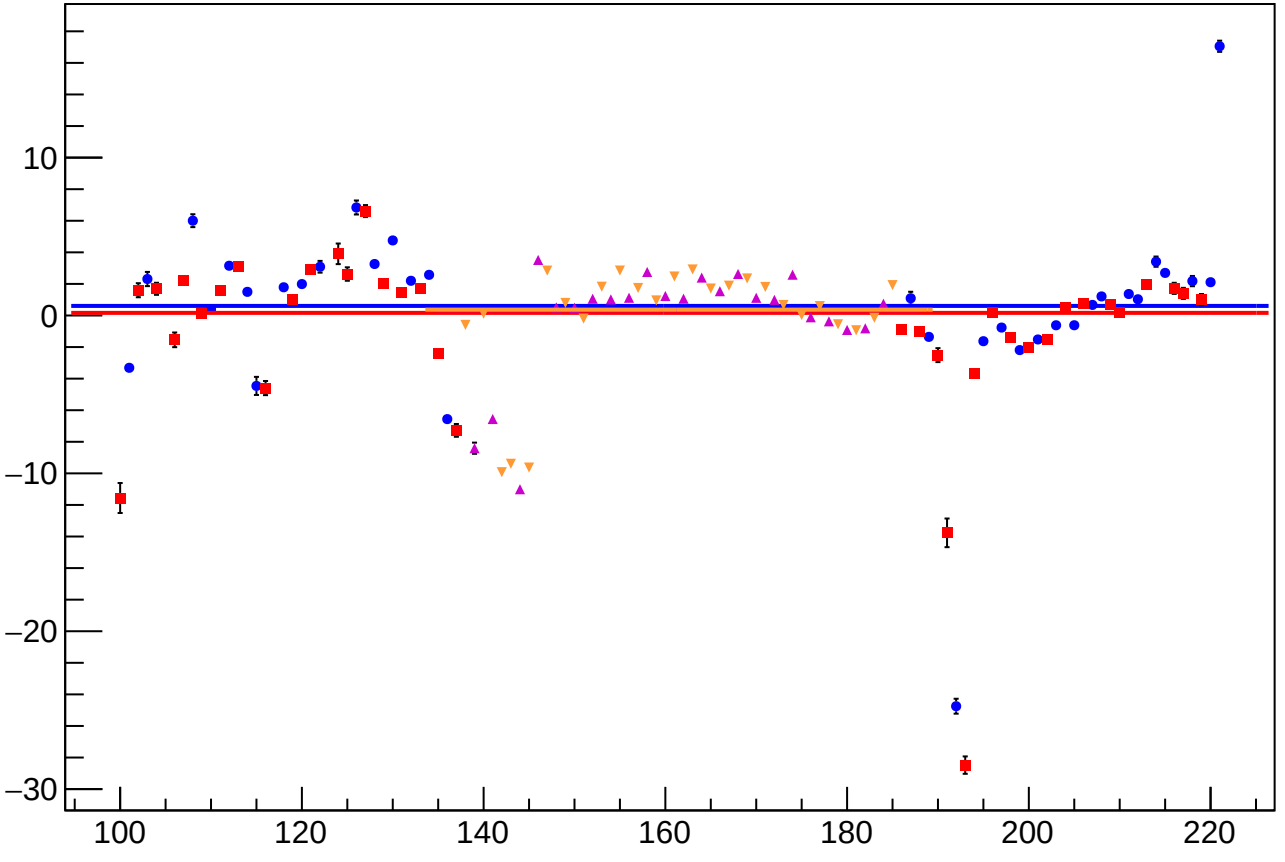
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 2.067+/-0.026 χ^2/NDF: 301069.0/58

All: 1.693+/-0.018 χ^2/NDF: 557760.7/118

- sign 1.350+/-0.025 χ^2/NDF: 256285.7/59

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.607+/-0.043 χ^2/NDF: 8423.9/33

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.166+/-0.042 χ^2/NDF: 5335.3/36

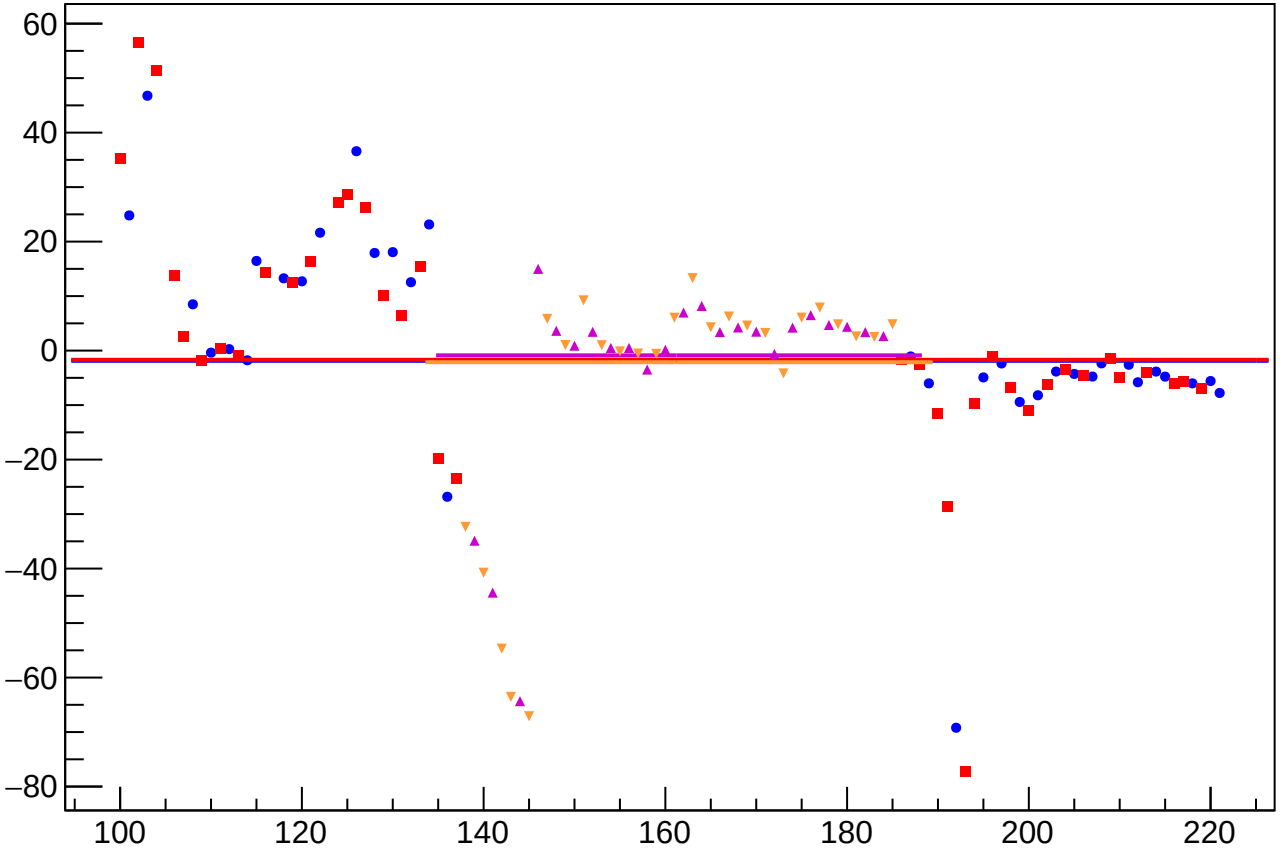
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.455+/-0.026 χ^2/NDF: 15511.3/58

All: 0.362+/-0.018 χ^2/NDF: 27976.2/118

- sign 0.275+/-0.025 χ^2/NDF: 12440.2/59

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.869+/-0.035 χ^2/NDF: 121874.9/33

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.688+/-0.033 χ^2/NDF: 122018.1/36

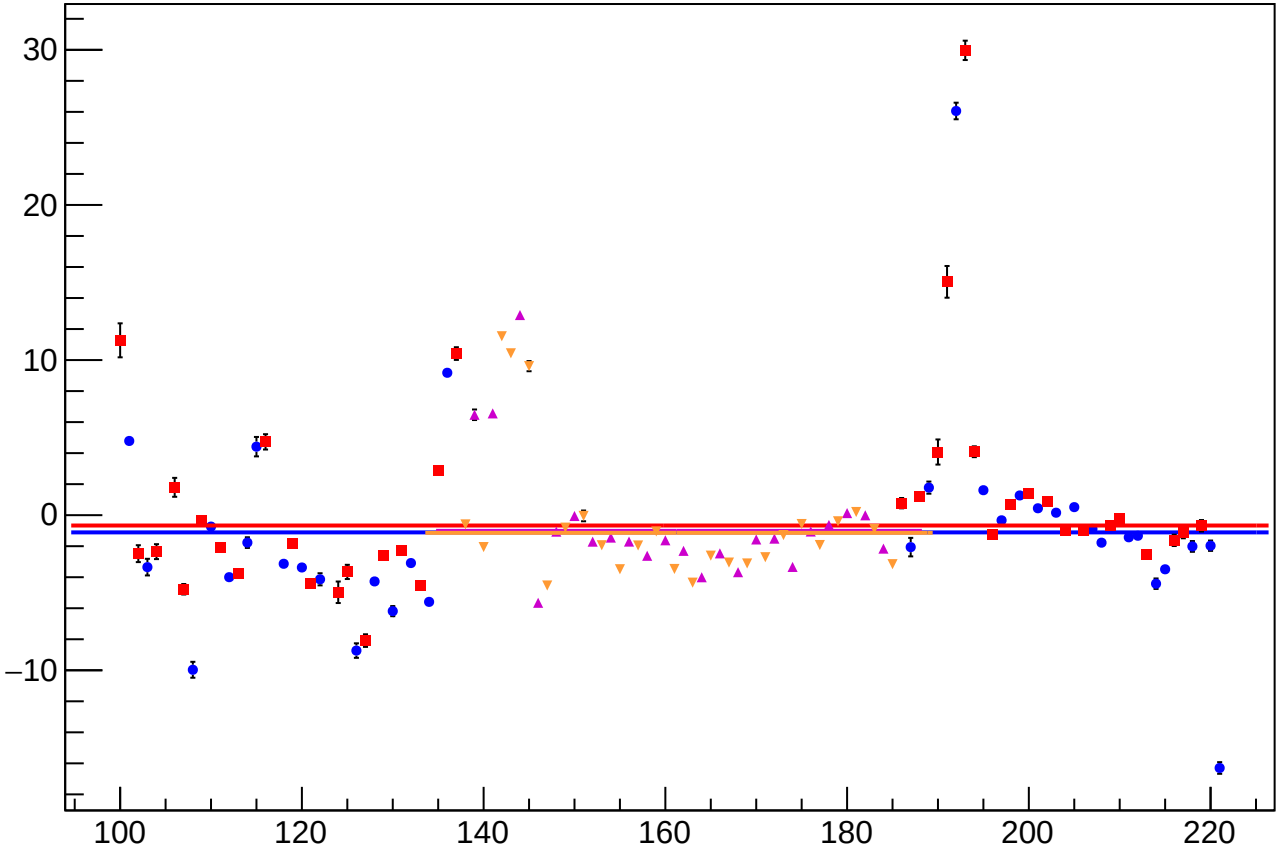
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.982+/-0.026 χ^2/NDF: 293366.3/58

All: -1.654+/-0.018 χ^2/NDF: 545198.6/118

- sign -1.350+/-0.025 χ^2/NDF: 251533.2/59

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.110+/-0.049 χ^2/NDF: 9352.7/33

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.667+/-0.048 χ^2/NDF: 5820.3/36

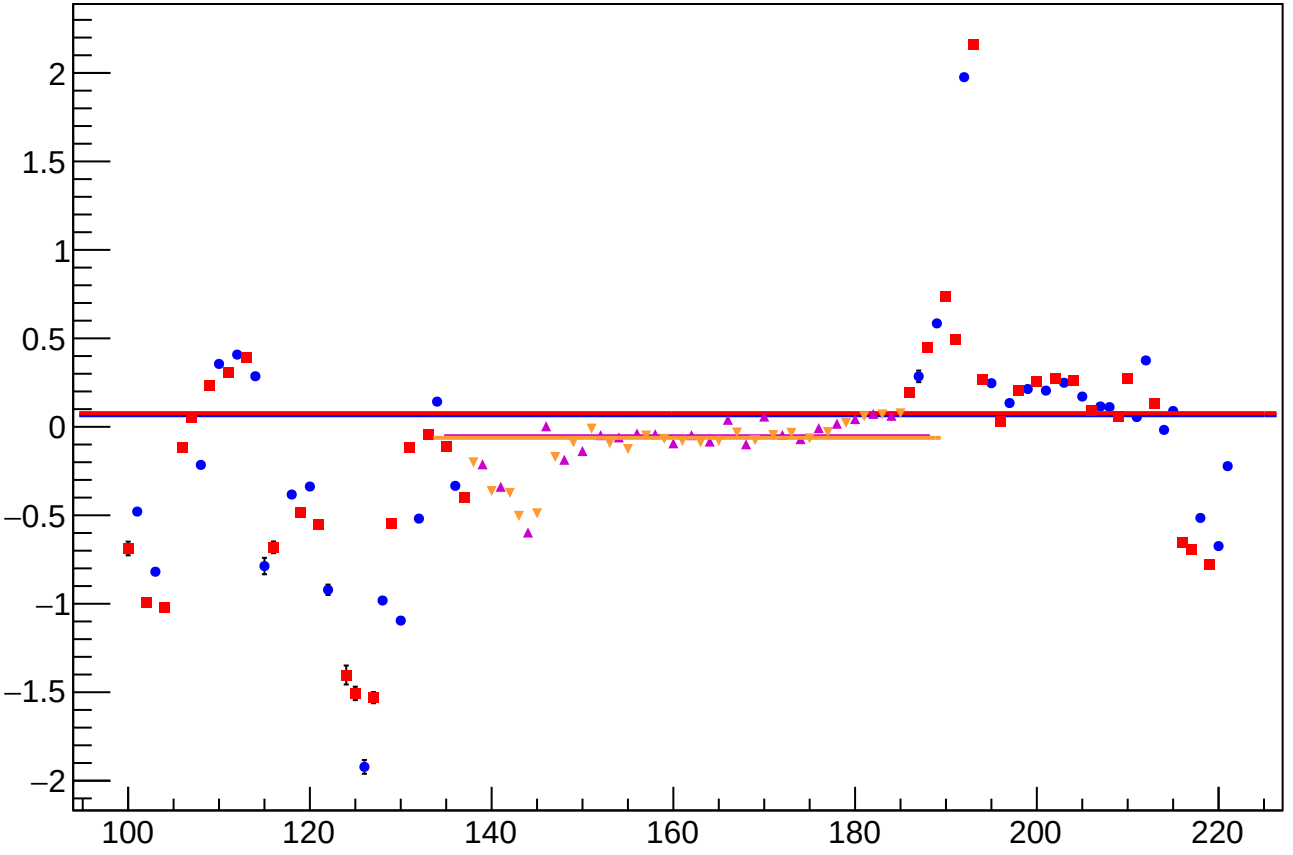
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.129+/-0.029 χ^2/NDF: 16375.9/58

All: -1.007+/-0.020 χ^2/NDF: 29290.9/118

- sign -0.894+/-0.028 χ^2/NDF: 12881.6/59

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 37145.9/33

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39253.3/36

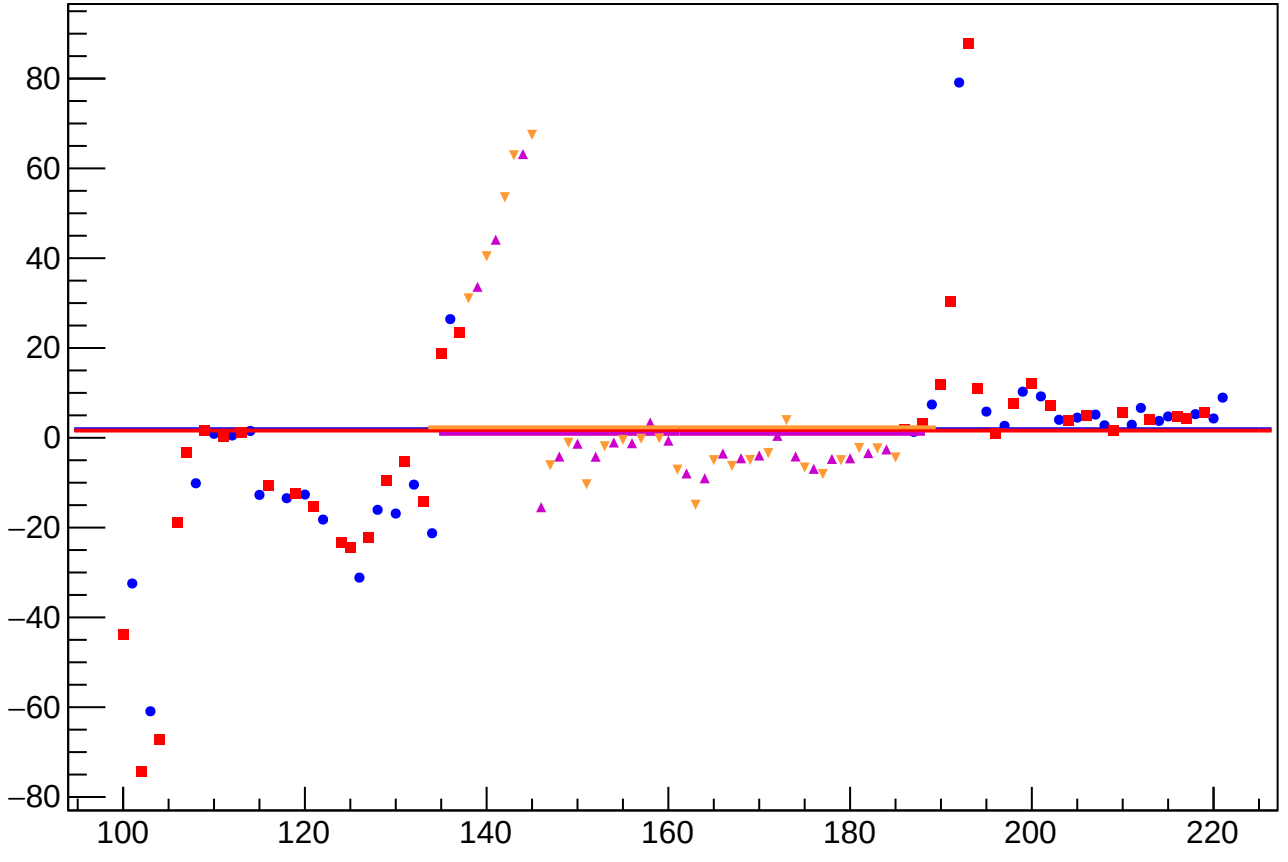
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.019+/-0.001 χ^2/NDF: 45048.1/58

All: -0.016+/-0.001 χ^2/NDF: 91708.5/118

- sign -0.012+/-0.001 χ^2/NDF: 46644.7/59

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.904+/-0.034 χ^2/NDF: 121909.9/33

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.619+/-0.032 χ^2/NDF: 121854.7/36

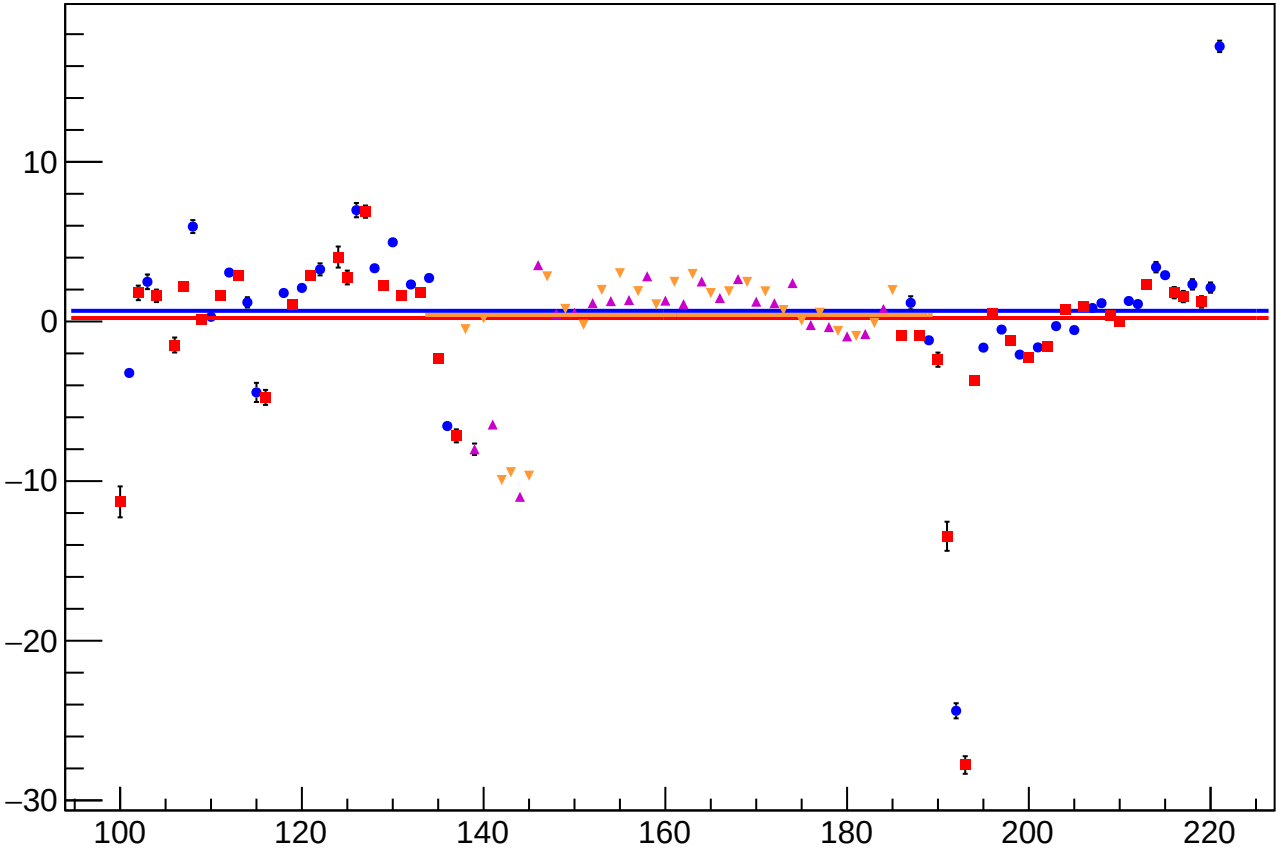
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 2.075+/-0.026 χ^2/NDF: 296621.2/58

All: 1.694+/-0.018 χ^2/NDF: 549504.9/118

- sign 1.343+/-0.025 χ^2/NDF: 252472.9/59

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.668+/-0.044 χ^2/NDF: 8249.2/33

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.218+/-0.042 χ^2/NDF: 5160.1/36

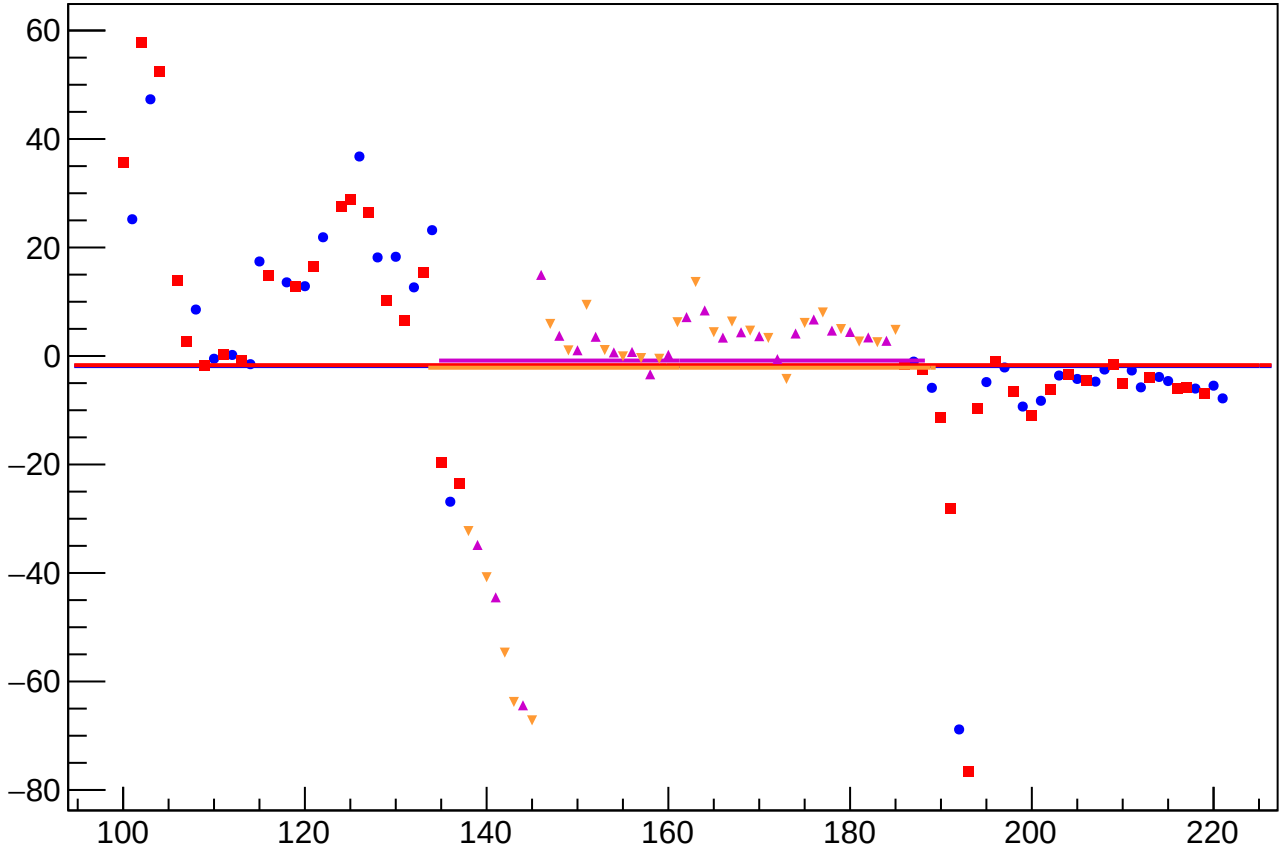
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.505+/-0.027 χ^2/NDF: 15319.1/58

All: 0.415+/-0.018 χ^2/NDF: 27444.7/118

- sign 0.331+/-0.026 χ^2/NDF: 12103.4/59

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.864+/-0.035 χ^2/NDF: 119991.5/33

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.689+/-0.033 χ^2/NDF: 120359.4/36

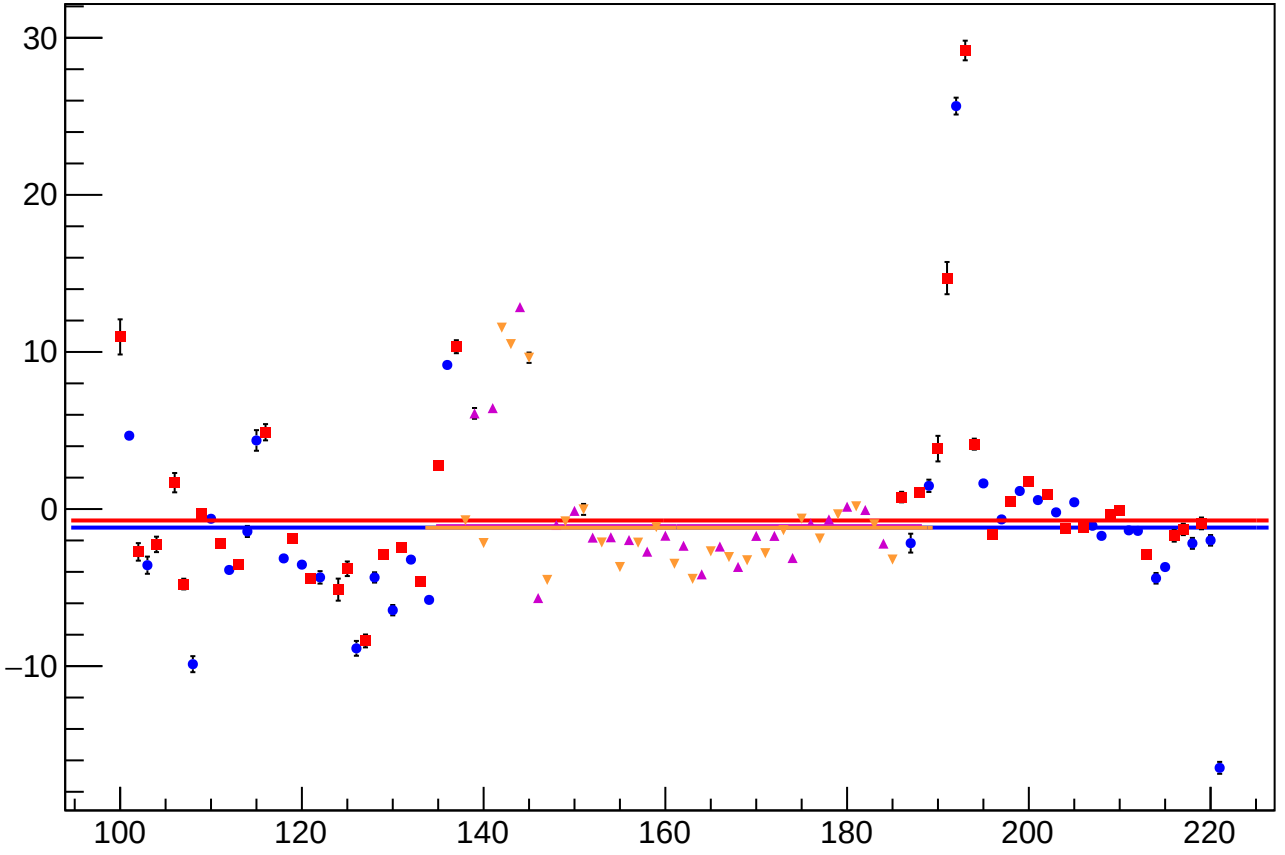
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.990+/-0.027 χ^2/NDF: 289012.5/58

All: -1.654+/-0.019 χ^2/NDF: 537074.8/118

- sign -1.343+/-0.026 χ^2/NDF: 247757.0/59

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.180+/-0.050 χ^2/NDF: 9178.1/33

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.728+/-0.049 χ^2/NDF: 5654.3/36

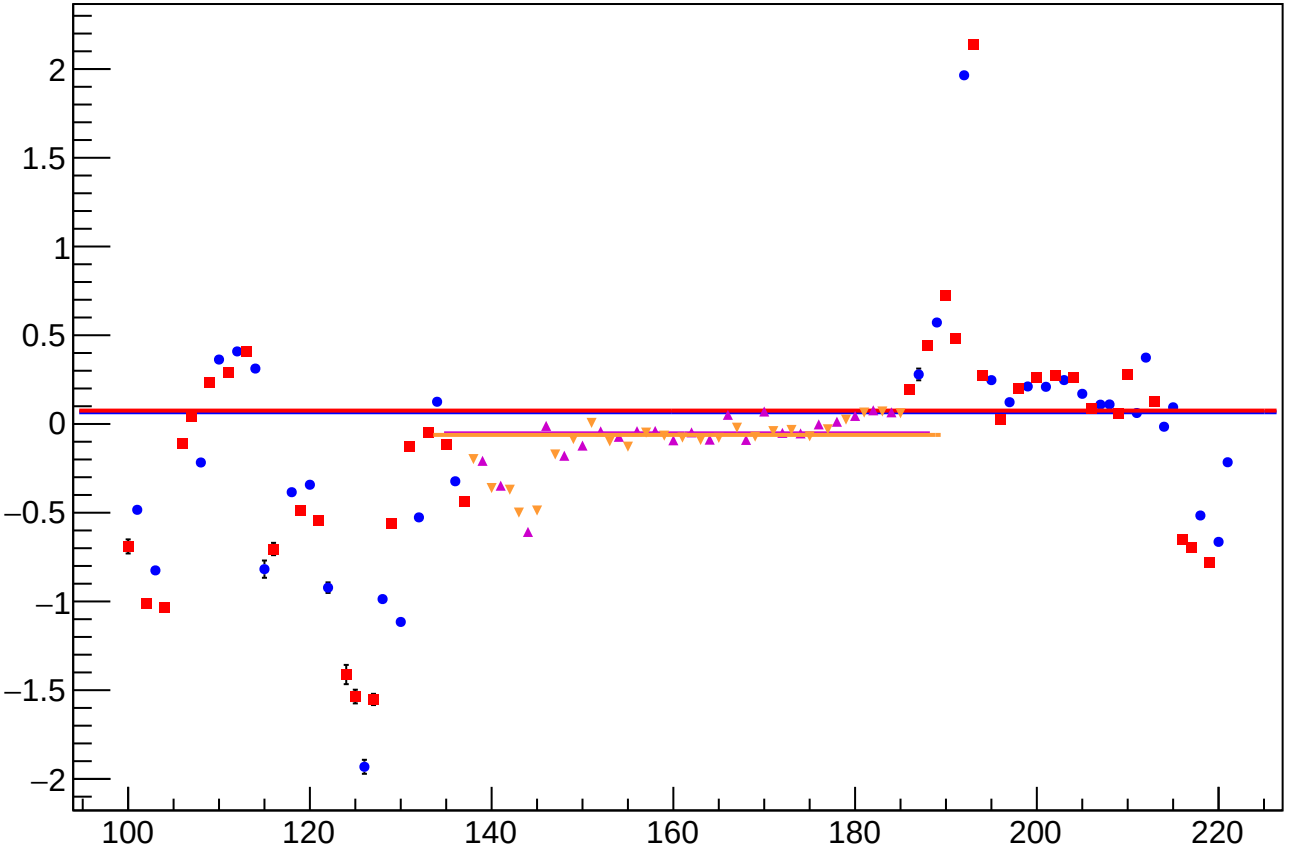
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.187+/-0.030 χ^2/NDF: 16174.1/58

All: -1.071+/-0.021 χ^2/NDF: 28734.3/118

- sign -0.963+/-0.029 χ^2/NDF: 12531.0/59

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.066+/-0.002 χ^2/NDF: 36340.9/33

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38748.8/36

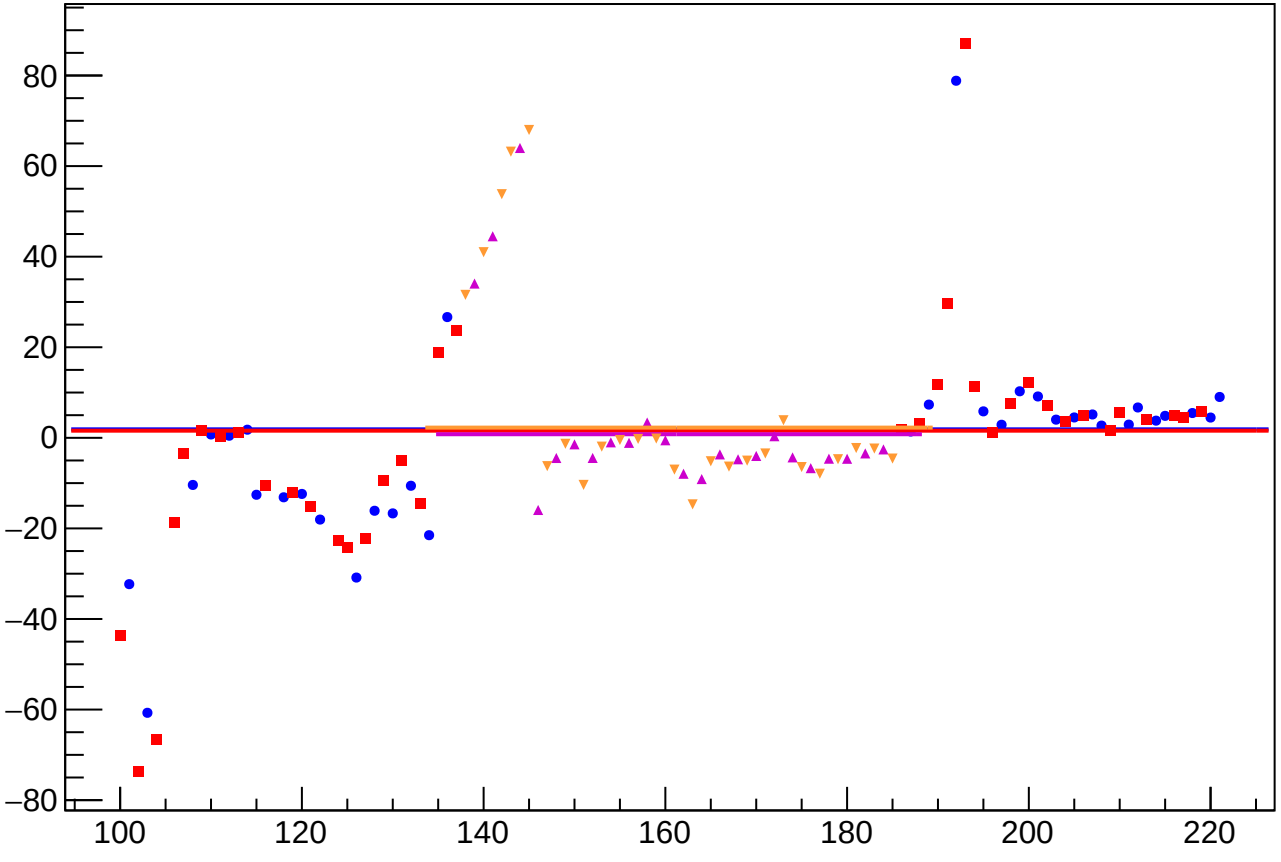
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.018+/-0.001 χ^2/NDF: 44015.8/58

All: -0.015+/-0.001 χ^2/NDF: 90054.4/118

- sign -0.012+/-0.001 χ^2/NDF: 46026.4/59

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.878+/-0.034 χ^2/NDF: 120377.1/33

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.581+/-0.032 χ^2/NDF: 119775.9/36

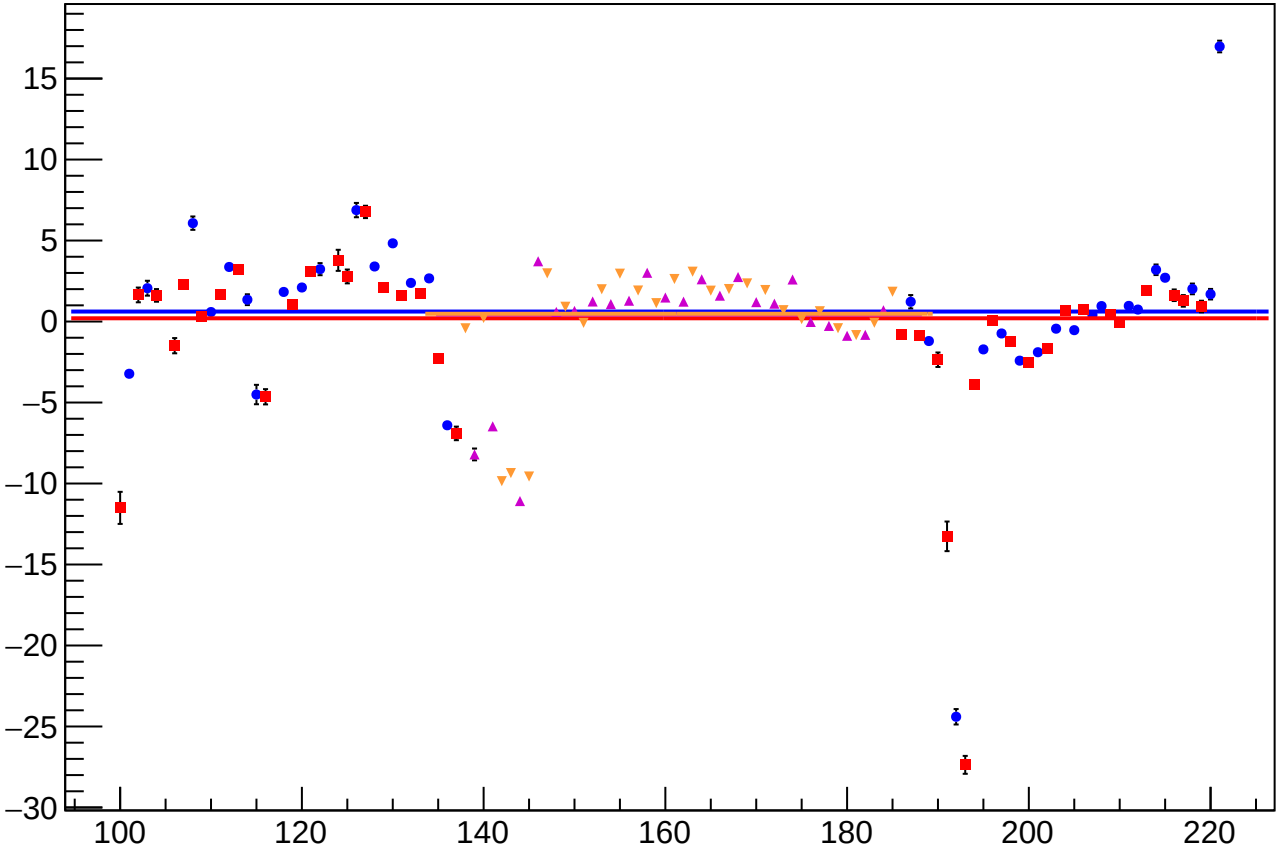
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 2.030+/-0.026 χ^2/NDF: 292097.7/58

All: 1.641+/-0.018 χ^2/NDF: 541346.7/118

- sign 1.281+/-0.025 χ^2/NDF: 248830.9/59

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.617+/-0.044 χ^2/NDF: 8086.1/33

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

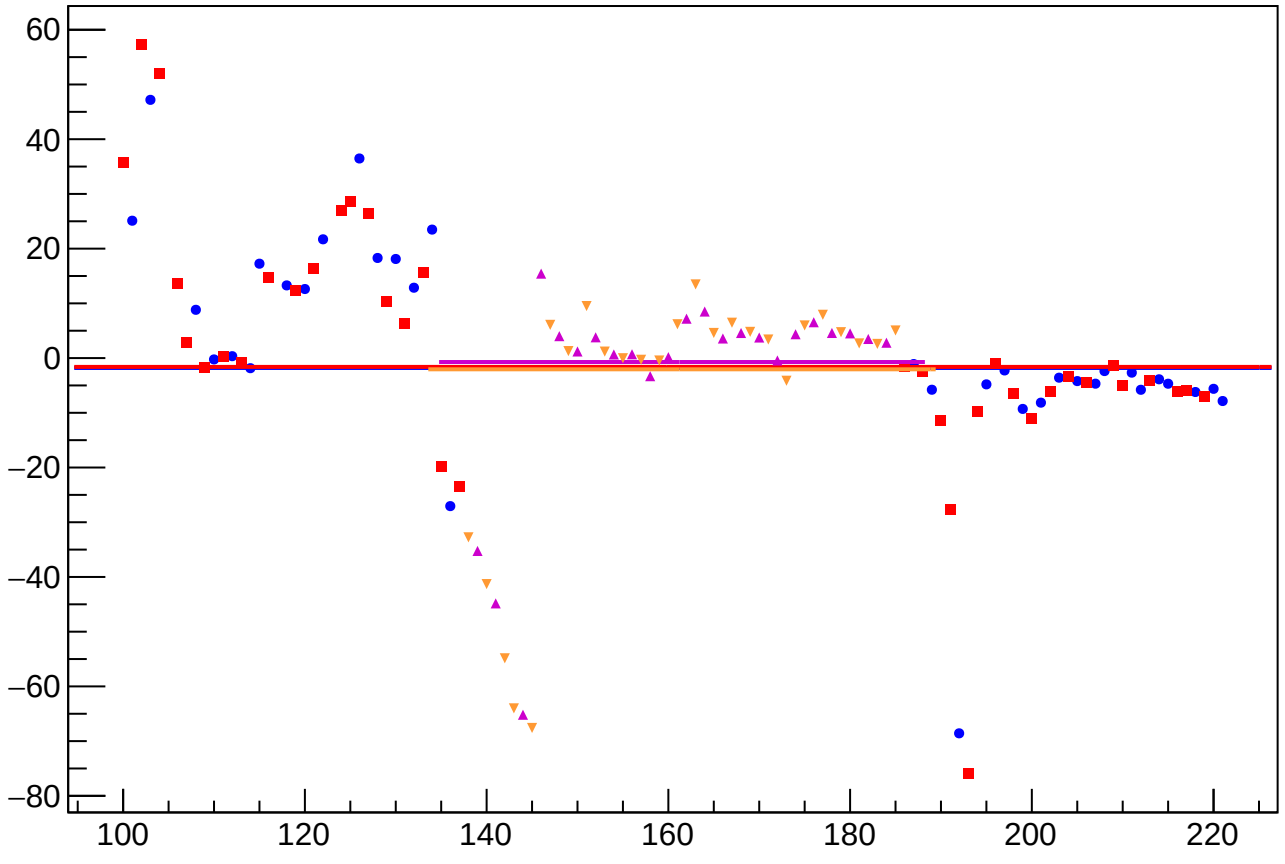
Right Out: 0.200+/-0.043 χ^2/NDF: 5042.5/36

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.530+/-0.027 χ^2/NDF: 14900.3/58

All: 0.438+/-0.019 χ^2/NDF: 26879.0/118

- sign 0.353+/-0.026 χ^2/NDF: 11956.1/59



Right In: -1.802+/-0.036 χ^2/NDF: 118420.0/33

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.612+/-0.034 χ^2/NDF: 118315.2/36

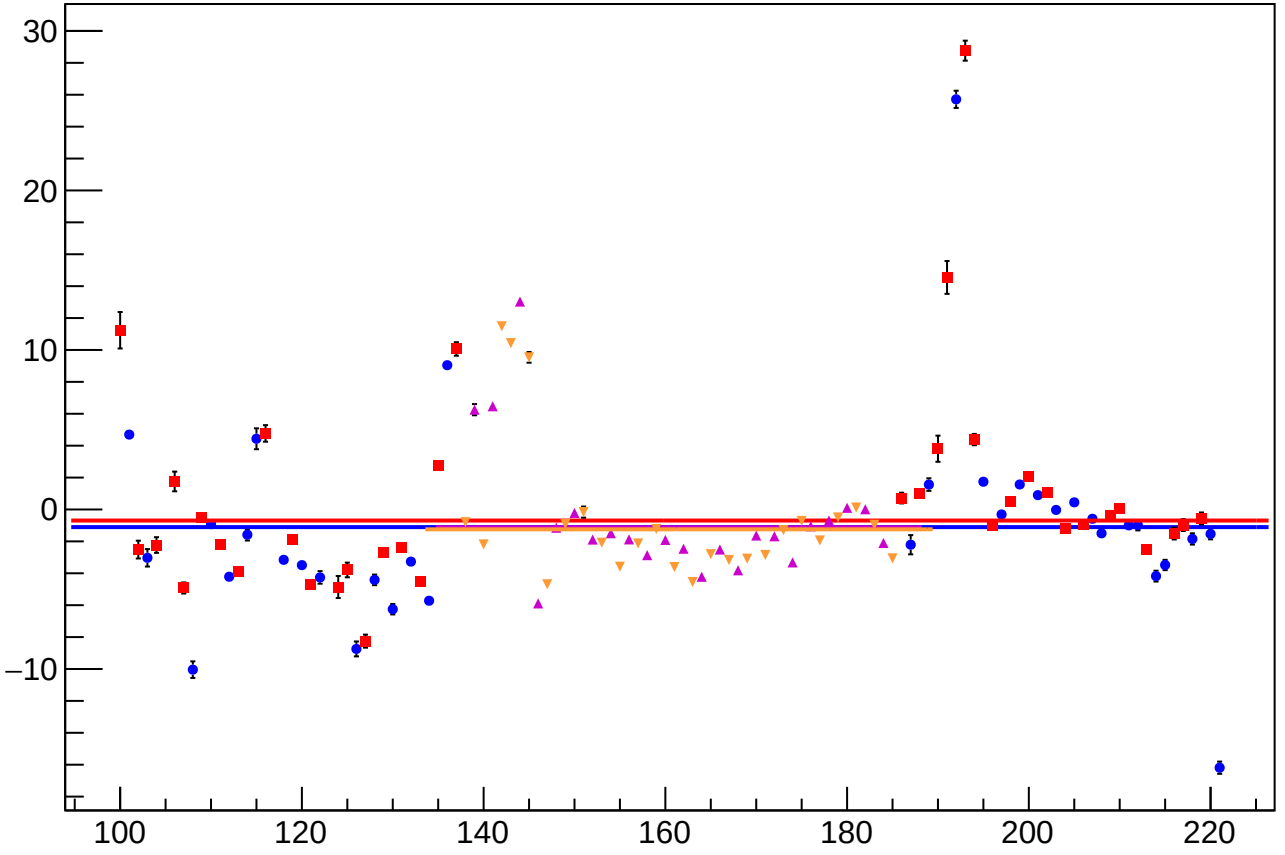
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.907+/-0.027 χ^2/NDF: 284450.5/58

All: -1.564+/-0.019 χ^2/NDF: 528893.6/118

- sign -1.245+/-0.026 χ^2/NDF: 244130.8/59

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.106+/-0.051 χ^2/NDF: 8956.6/33

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

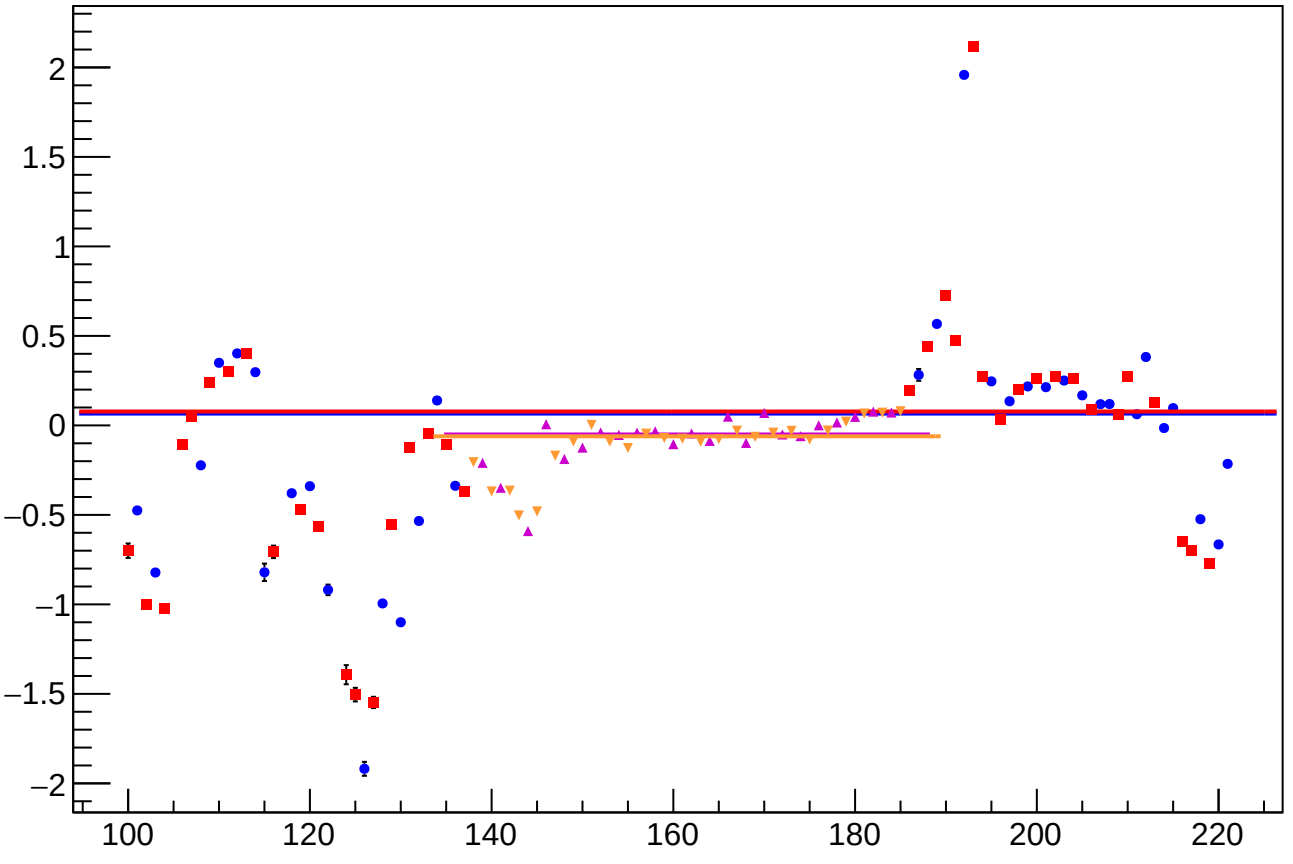
Right Out: -0.693+/-0.049 χ^2/NDF: 5503.2/36

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.195+/-0.030 χ^2/NDF: 15730.2/58

All: -1.079+/-0.021 χ^2/NDF: 28150.7/118

- sign -0.970+/-0.029 χ^2/NDF: 12391.5/59



Right In: 0.066+/-0.002 χ^2/NDF: 35991.7/33

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

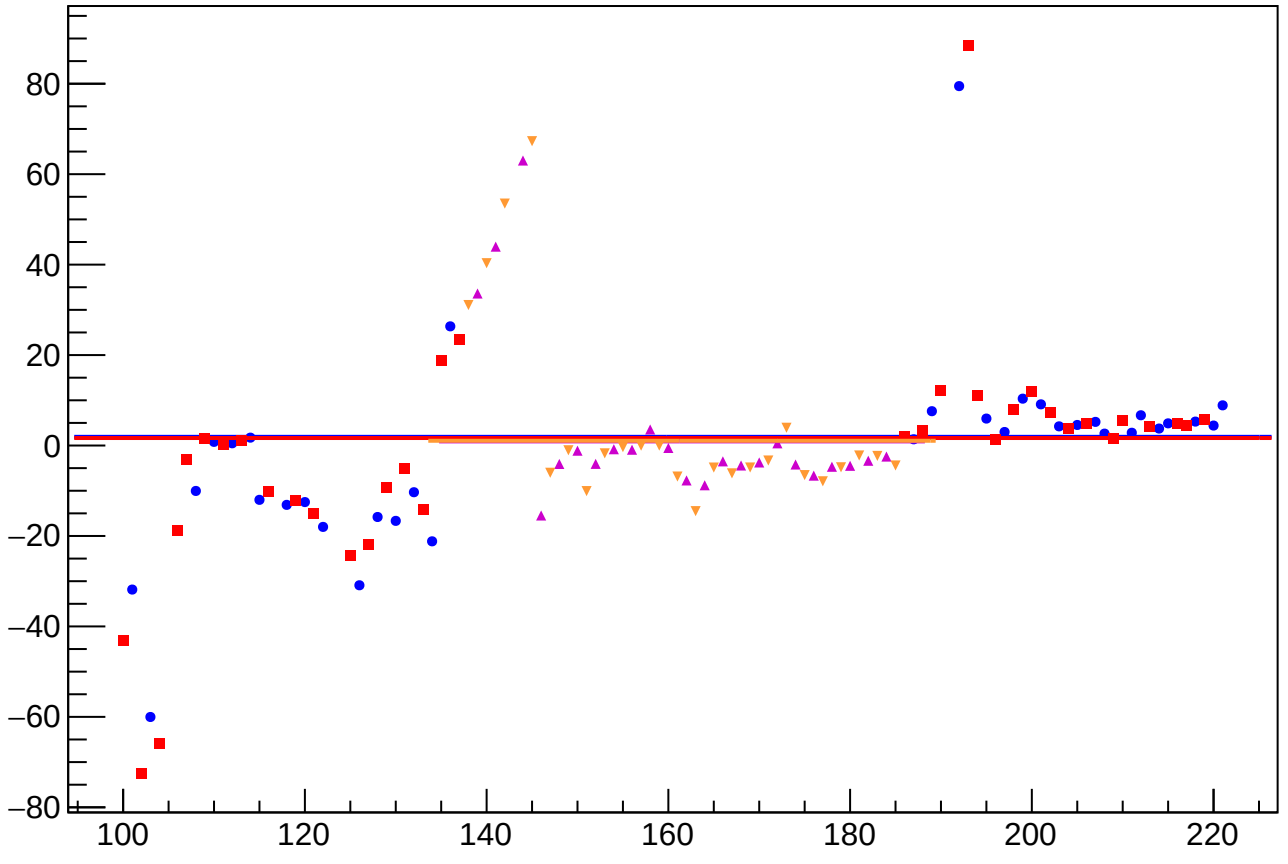
Right Out: 0.078+/-0.002 χ^2/NDF: 37738.9/36

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.018+/-0.001 χ^2/NDF: 43513.1/58

All: -0.014+/-0.001 χ^2/NDF: 88334.2/118

- sign -0.010+/-0.001 χ^2/NDF: 44802.6/59



Right In: 1.921+/-0.033 χ^2/NDF: 124049.8/33

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

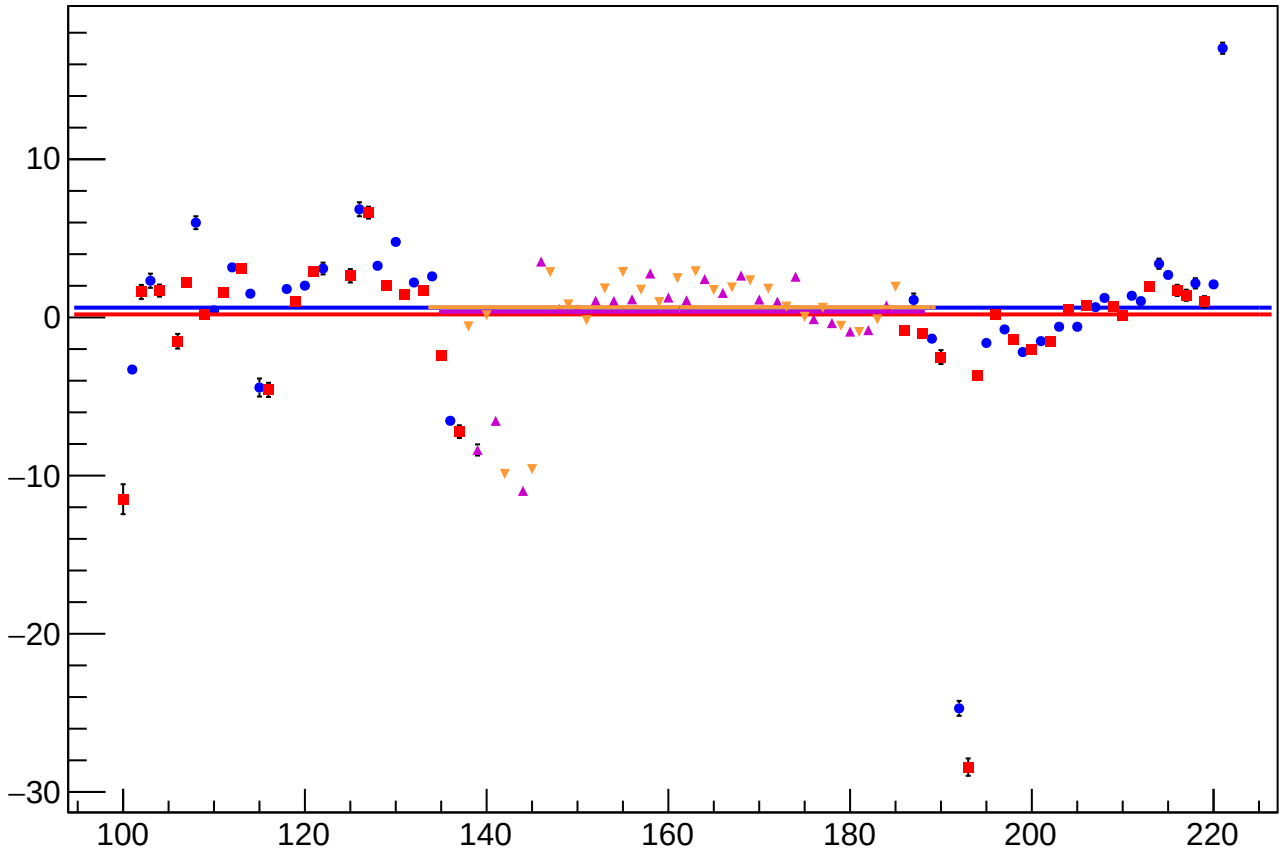
Right Out: 1.660+/-0.031 χ^2/NDF: 120792.2/34

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 1.573+/-0.026 χ^2/NDF: 255354.4/57

All: 1.470+/-0.018 χ^2/NDF: 509203.4/115

- sign 1.376+/-0.025 χ^2/NDF: 253818.3/57



Right In: 0.618+/-0.043 χ^2/NDF: 8435.4/33

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

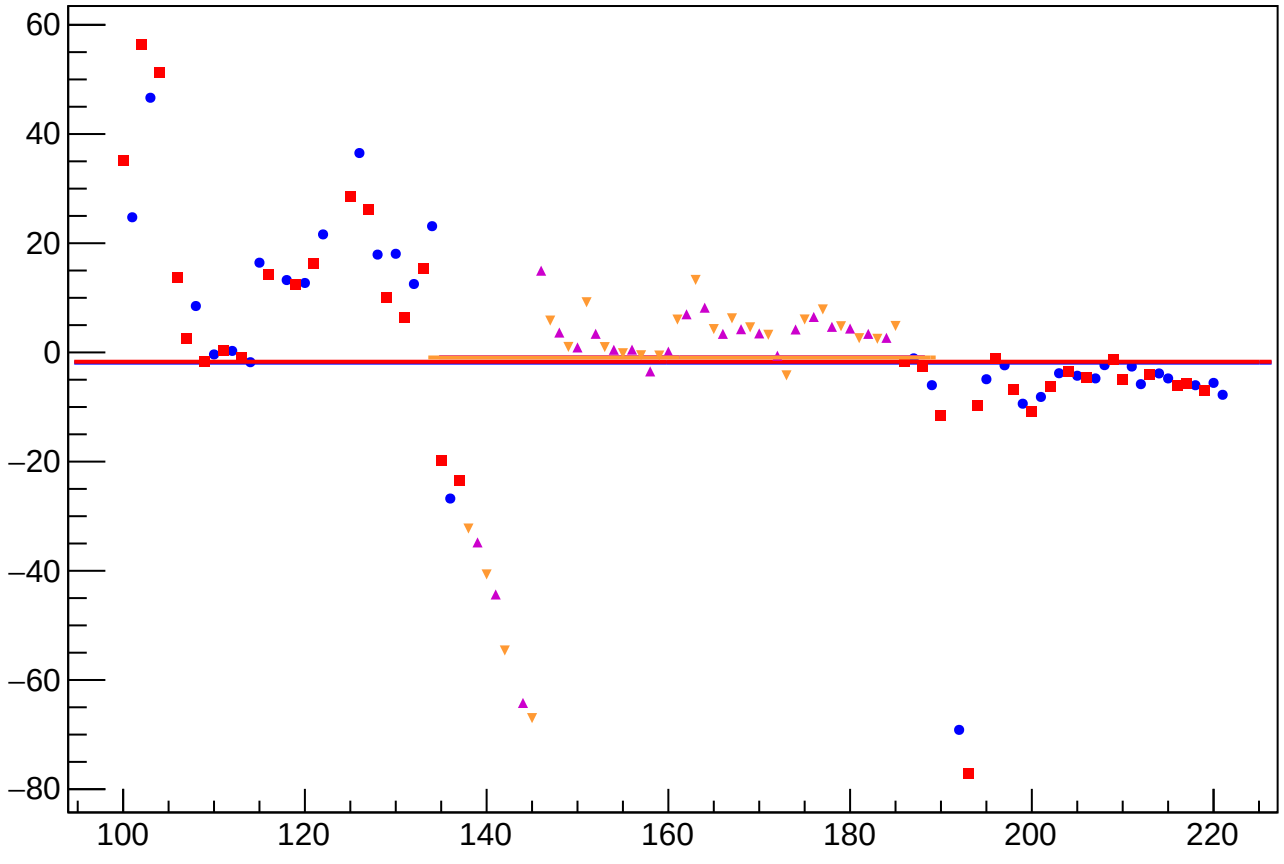
Right Out: 0.192+/-0.042 χ^2/NDF: 5074.9/34

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.634+/-0.026 χ^2/NDF: 13146.6/57

All: 0.457+/-0.018 χ^2/NDF: 25434.9/115

- sign 0.296+/-0.025 χ^2/NDF: 12201.8/57



Right In: -1.870+/-0.035 χ^2/NDF: 122085.3/33

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

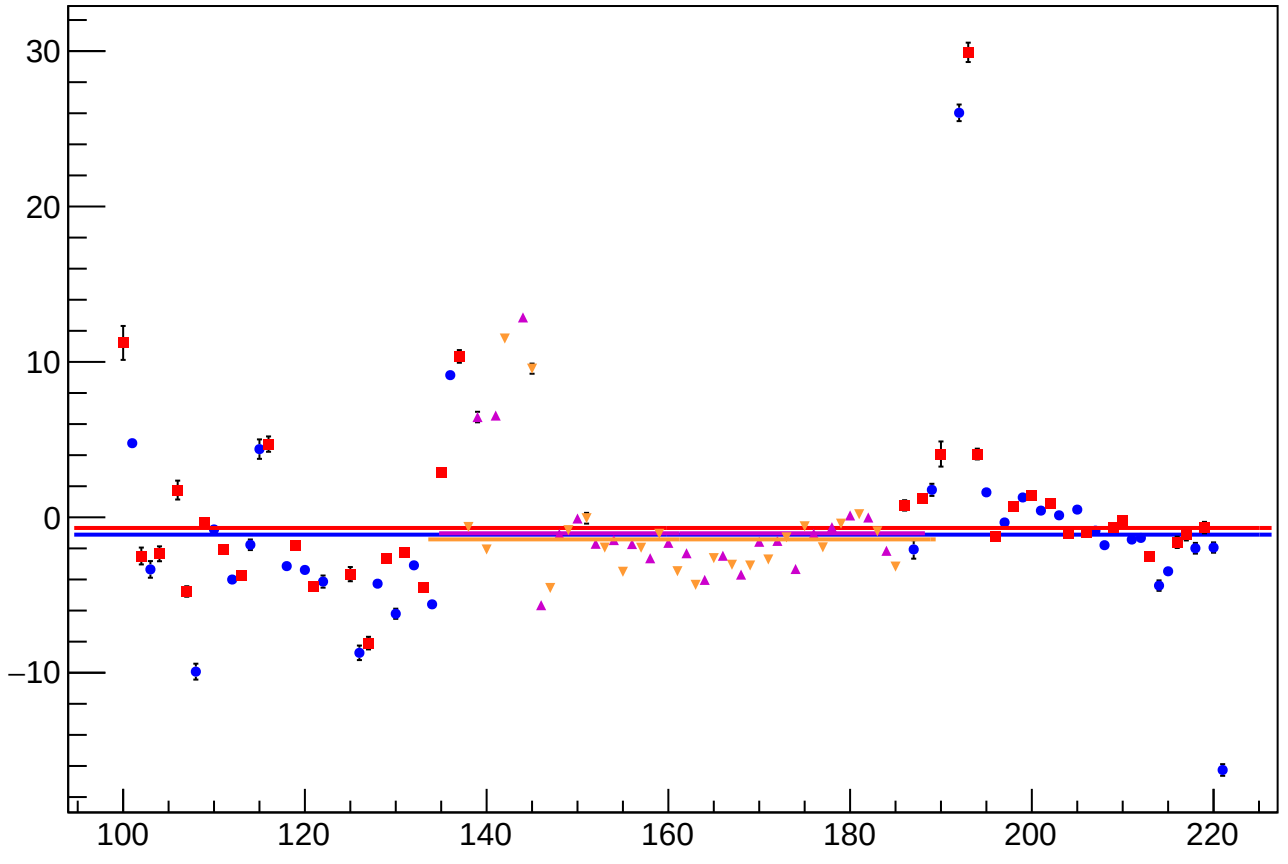
Right Out: -1.706+/-0.033 χ^2/NDF: 119416.3/34

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -1.473+/-0.026 χ^2/NDF: 248775.7/57

All: -1.412+/-0.018 χ^2/NDF: 497959.1/115

- sign -1.355+/-0.025 χ^2/NDF: 249173.0/57



Right In: -1.115+/-0.049 χ^2/NDF: 9365.9/33

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

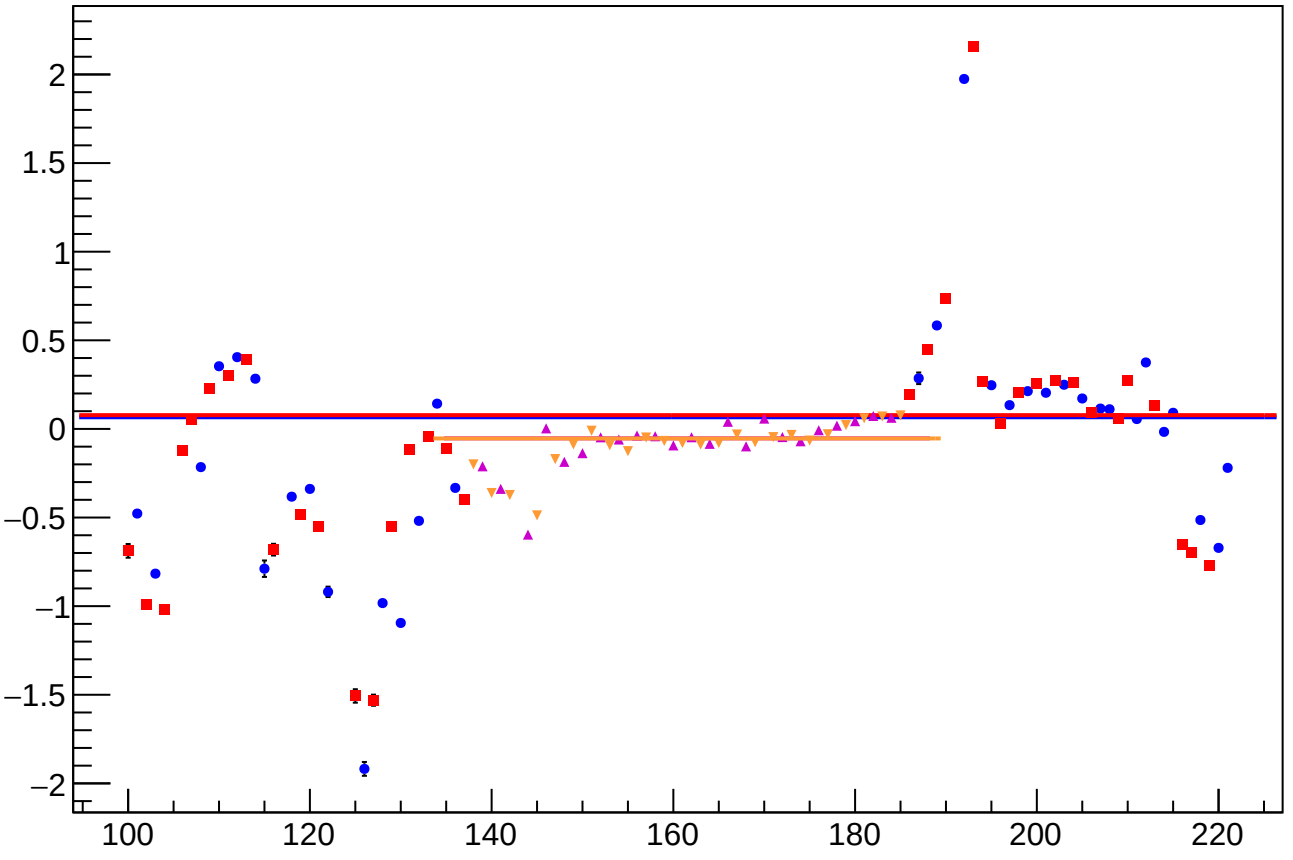
Right Out: -0.685+/-0.048 χ^2/NDF: 5553.3/34

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.311+/-0.029 χ^2/NDF: 14032.6/57

All: -1.101+/-0.020 χ^2/NDF: 26763.8/115

- sign -0.909+/-0.028 χ^2/NDF: 12633.4/57



Right In: 0.066+/-0.002 χ^2/NDF: 37212.3/33

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

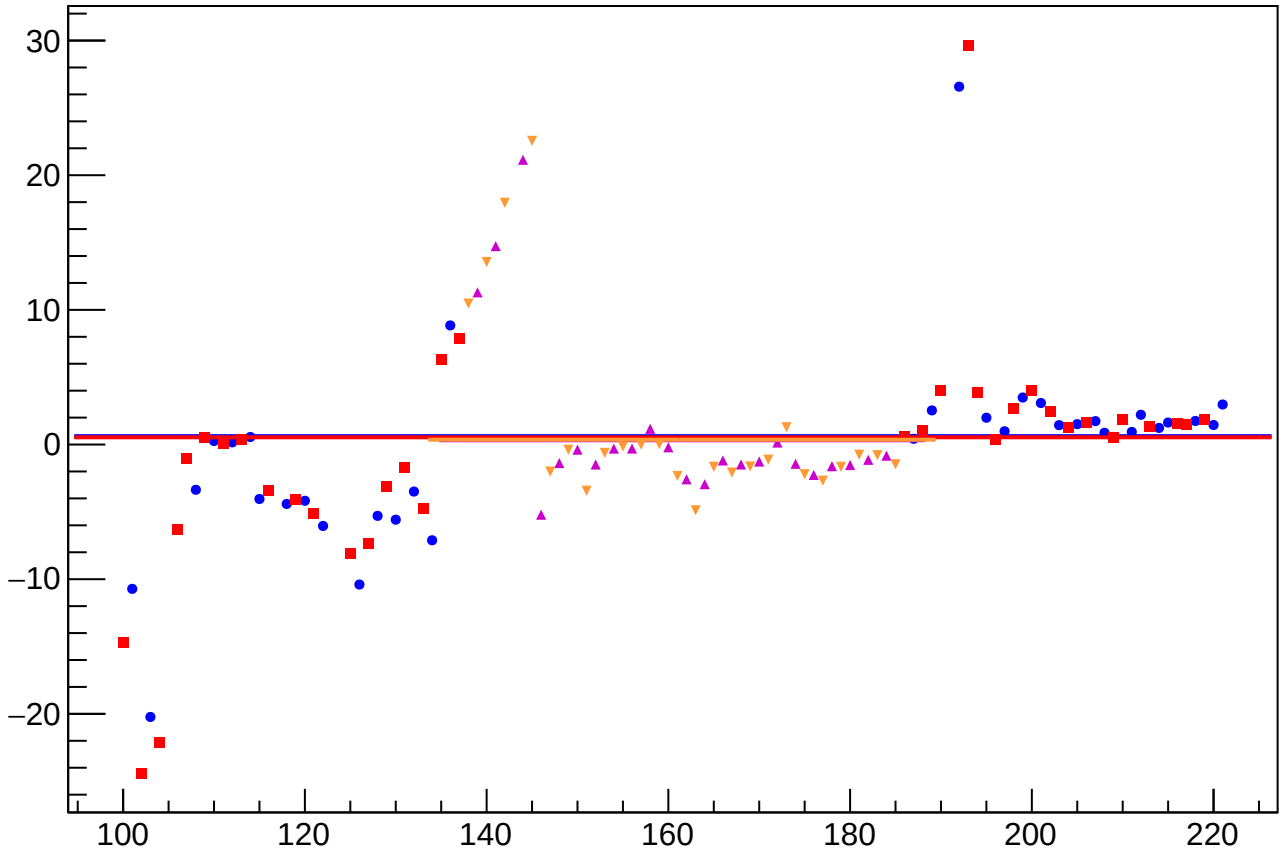
Right Out: 0.078+/-0.002 χ^2/NDF: 38362.7/34

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.013+/-0.001 χ^2/NDF: 43455.7/57

All: -0.013+/-0.001 χ^2/NDF: 89233.3/115

- sign -0.012+/-0.001 χ^2/NDF: 45777.4/57



Right In: 0.622+/-0.011 χ^2/NDF: 121902.7/33

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

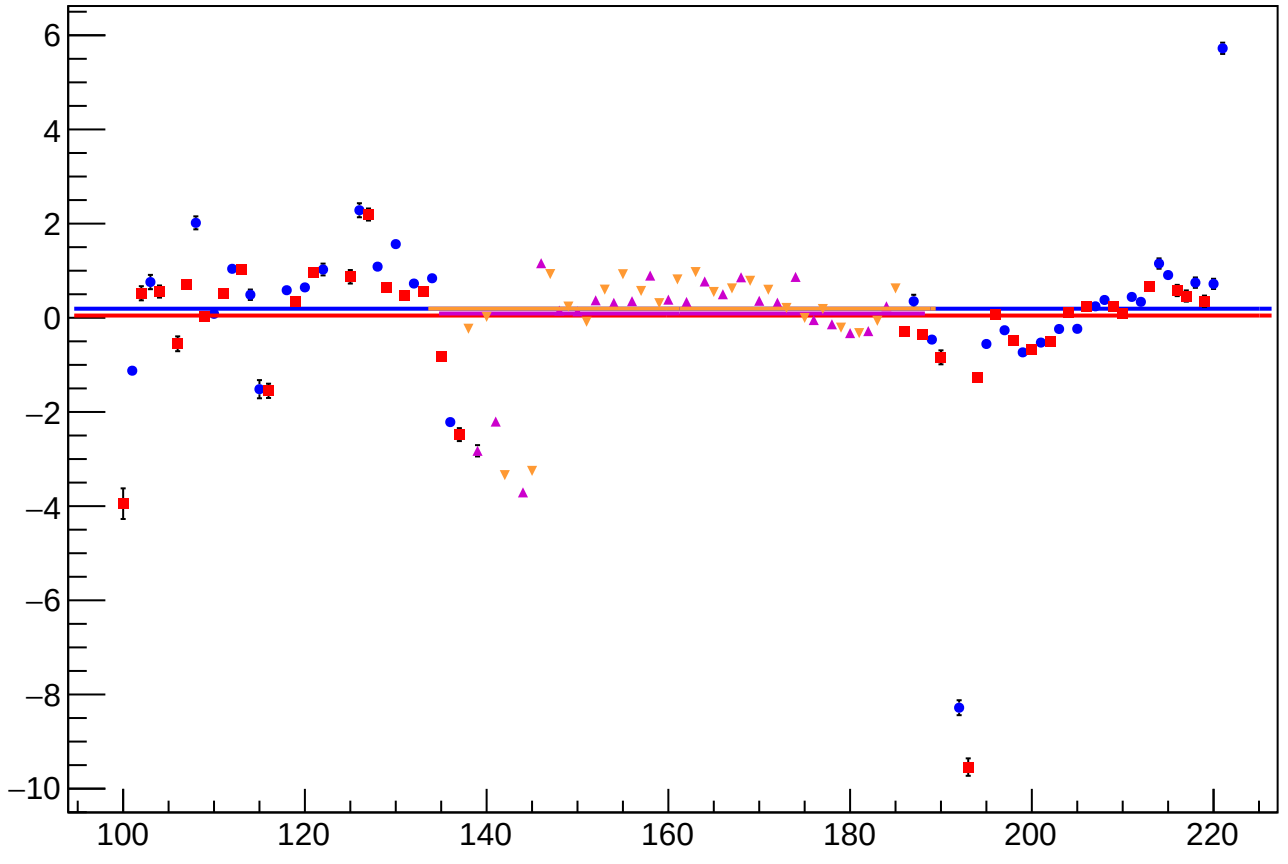
Right Out: 0.537+/-0.011 χ^2/NDF: 118850.6/34

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.516+/-0.009 χ^2/NDF: 250947.4/57

All: 0.483+/-0.006 χ^2/NDF: 500209.0/115

- sign 0.453+/-0.008 χ^2/NDF: 249234.8/57



Right In: 0.193+/-0.015 χ^2/NDF: 8298.8/33

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

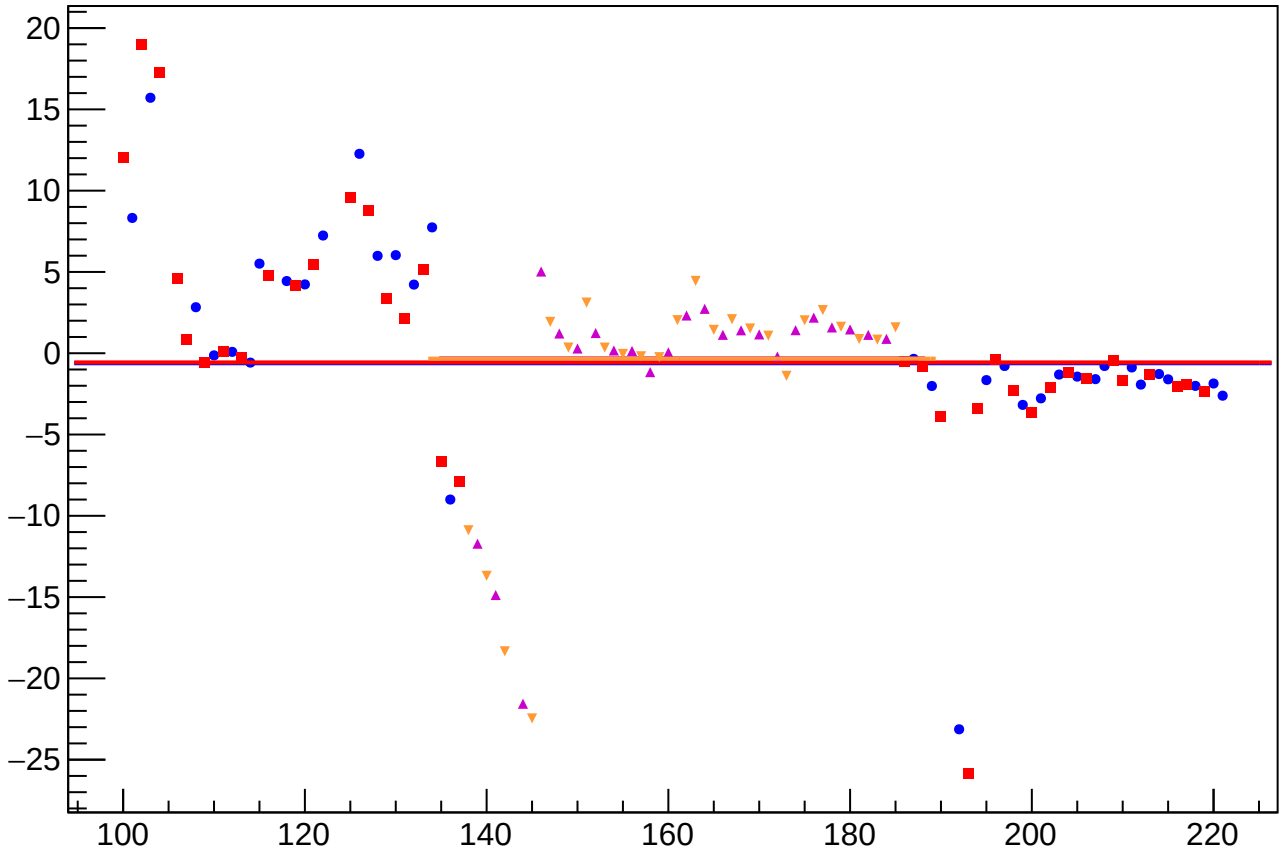
Right Out: 0.048+/-0.014 χ^2/NDF: 4989.1/34

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

\+ sign 0.194+/-0.009 χ^2/NDF: 12943.8/57

All: 0.132+/-0.006 χ^2/NDF: 24966.0/115

\- sign 0.075+/-0.009 χ^2/NDF: 11931.5/57



Right In: -0.618+/-0.012 χ^2/NDF: 119999.1/33

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

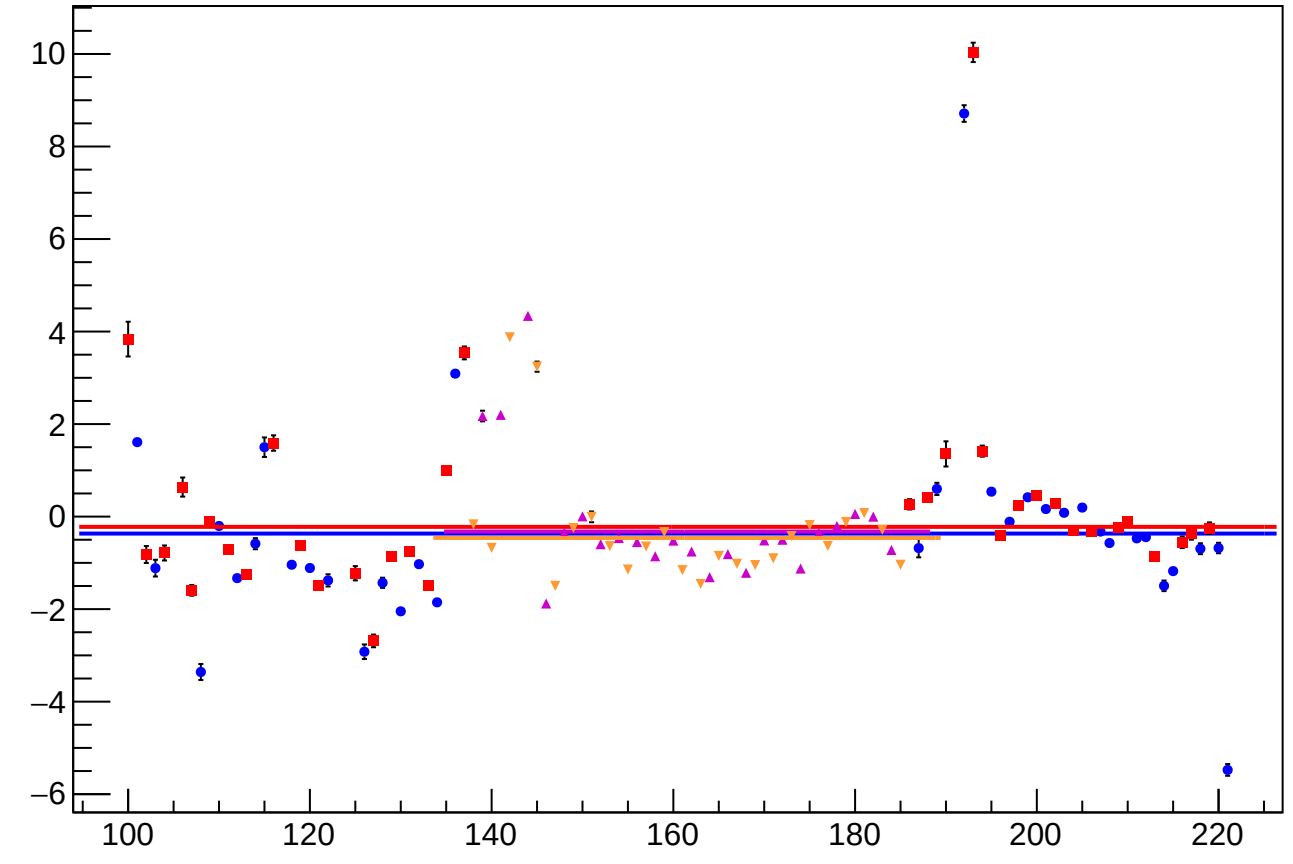
Right Out: -0.563+/-0.011 χ^2/NDF: 117537.4/34

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.497+/-0.009 χ^2/NDF: 244477.2/57

All: -0.478+/-0.006 χ^2/NDF: 489223.8/115

- sign -0.460+/-0.009 χ^2/NDF: 244737.7/57



Right In: -0.367+/-0.017 χ^2/NDF: 9204.9/33

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

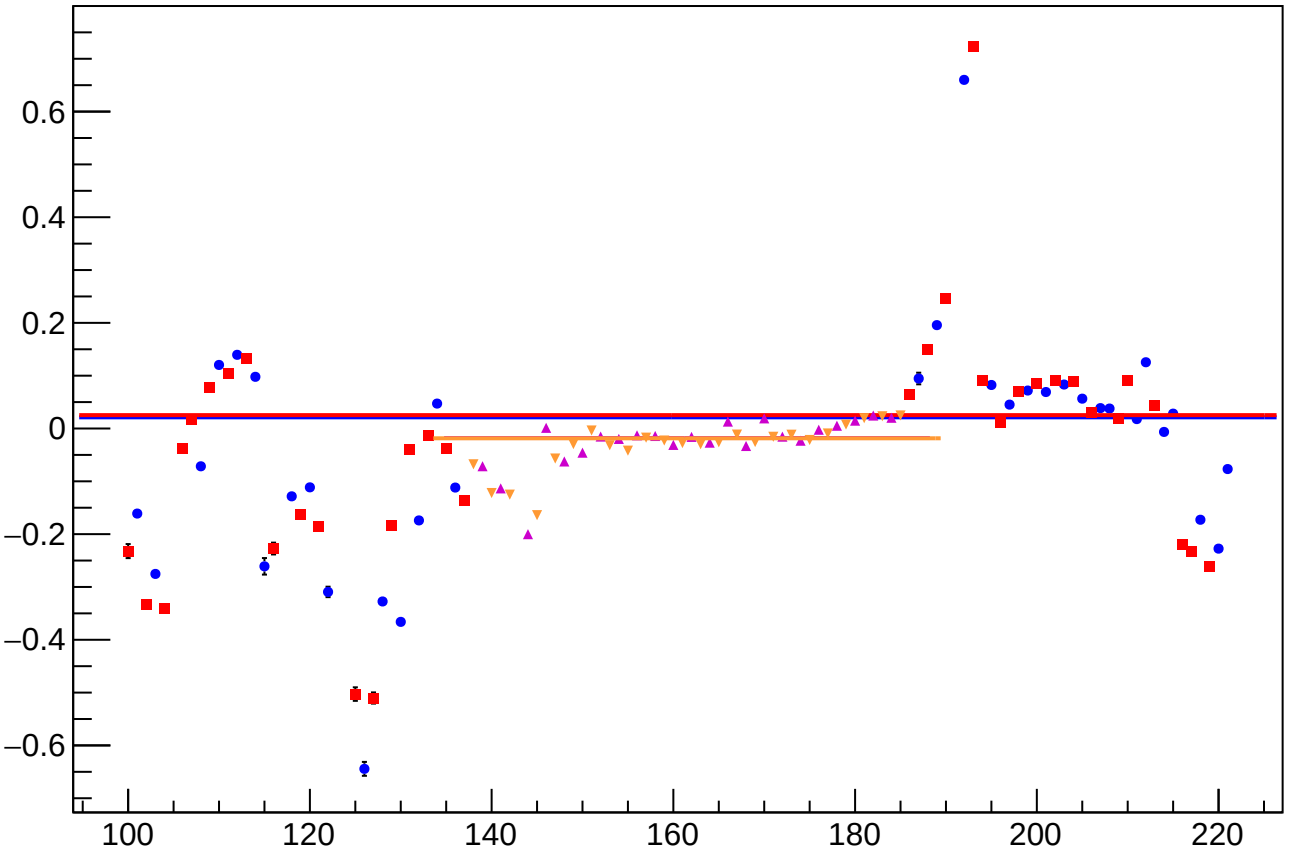
Right Out: -0.222+/-0.016 χ^2/NDF: 5460.5/34

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.428+/-0.010 χ^2/NDF: 13805.3/57

All: -0.355+/-0.007 χ^2/NDF: 26272.5/115

- sign -0.288+/-0.010 χ^2/NDF: 12367.0/57



Right In: 0.021+/-0.001 χ^2/NDF: 36566.2/33

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

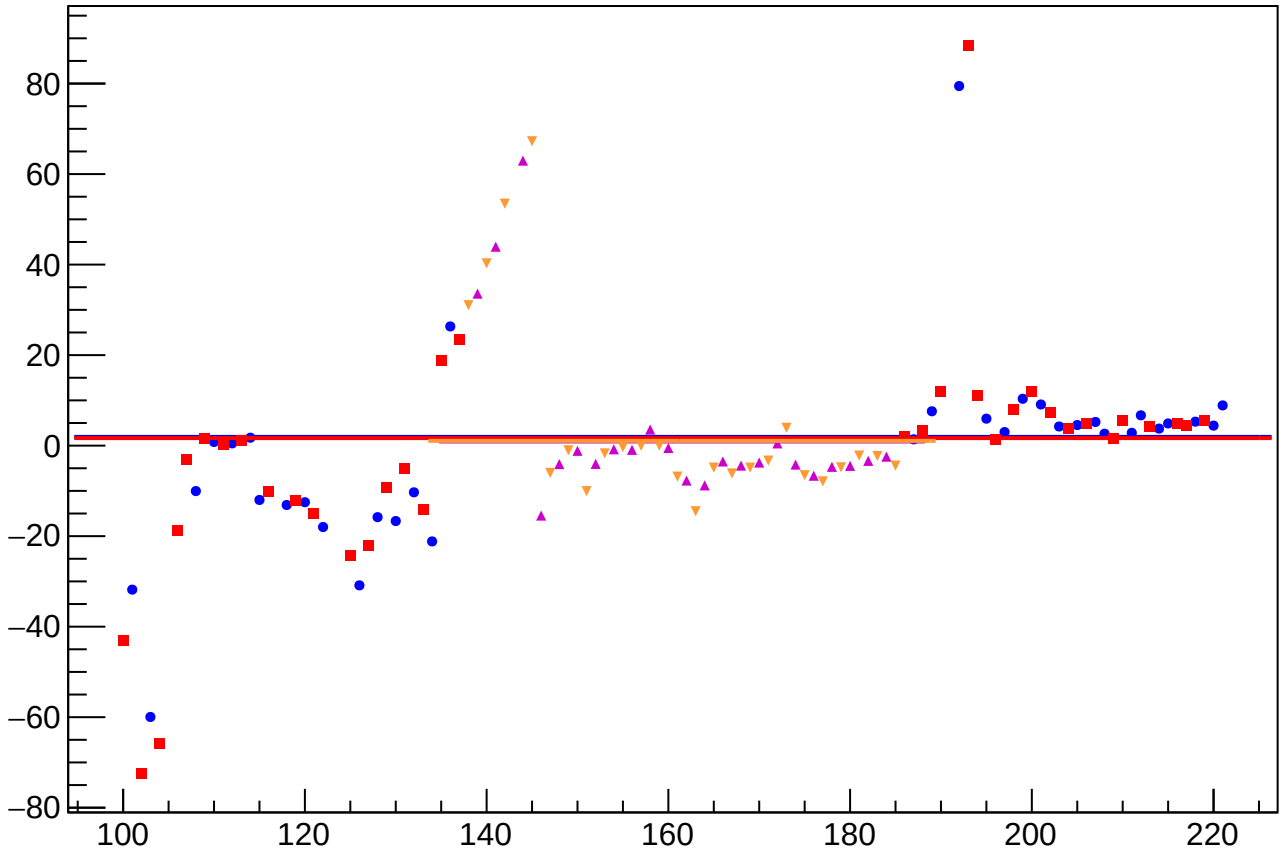
Right Out: 0.025+/-0.001 χ^2/NDF: 37606.4/34

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.005+/-0.000 χ^2/NDF: 42579.0/57

All: -0.005+/-0.000 χ^2/NDF: 87302.2/115

- sign -0.005+/-0.000 χ^2/NDF: 44722.1/57



Right In: 1.926+/-0.033 χ^2/NDF: 124077.7/33

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

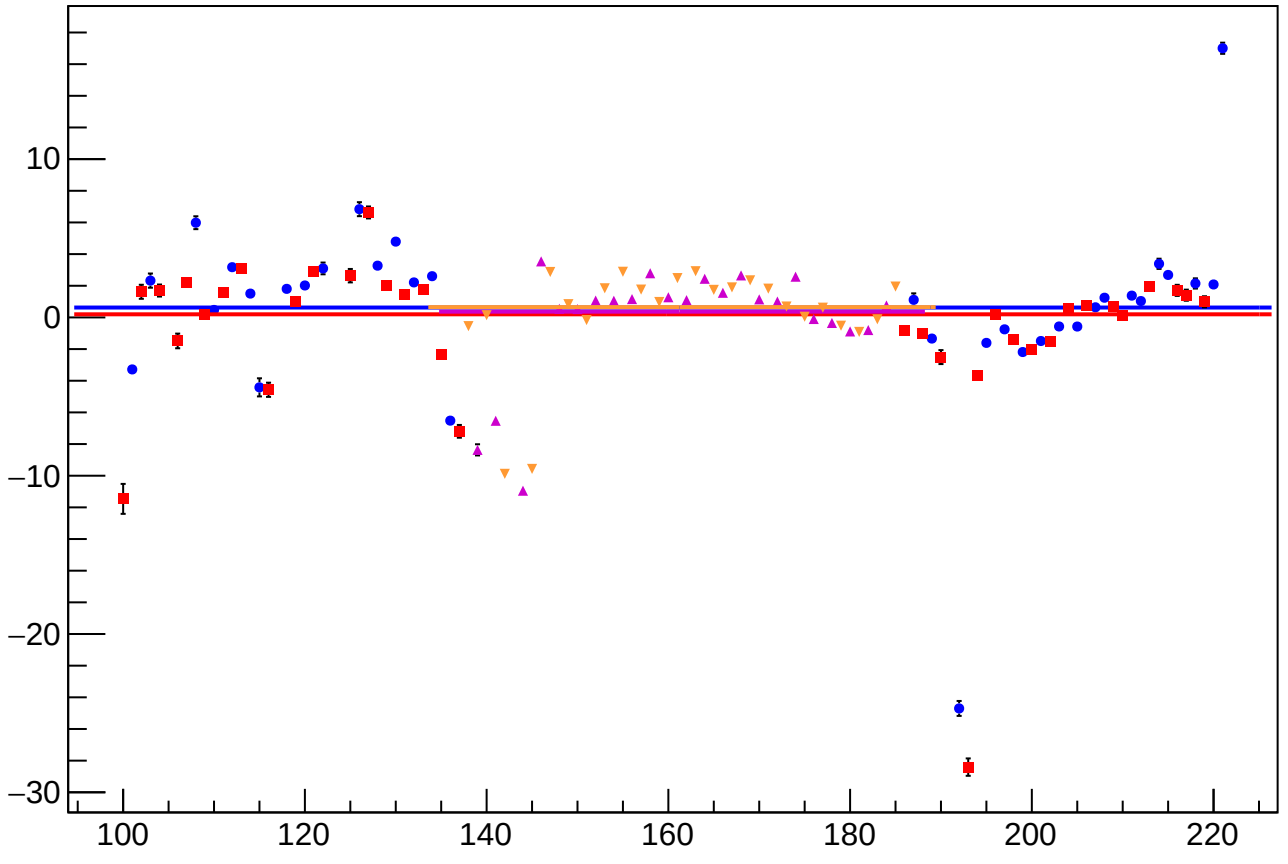
Right Out: 1.665+/-0.031 χ^2/NDF: 120820.7/34

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.578+/-0.026 χ^2/NDF: 255363.1/57

All: 1.474+/-0.018 χ^2/NDF: 509251.0/115

- sign 1.380+/-0.025 χ^2/NDF: 253857.0/57



Right In: 0.624+/-0.043 χ^2/NDF: 8435.2/33

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

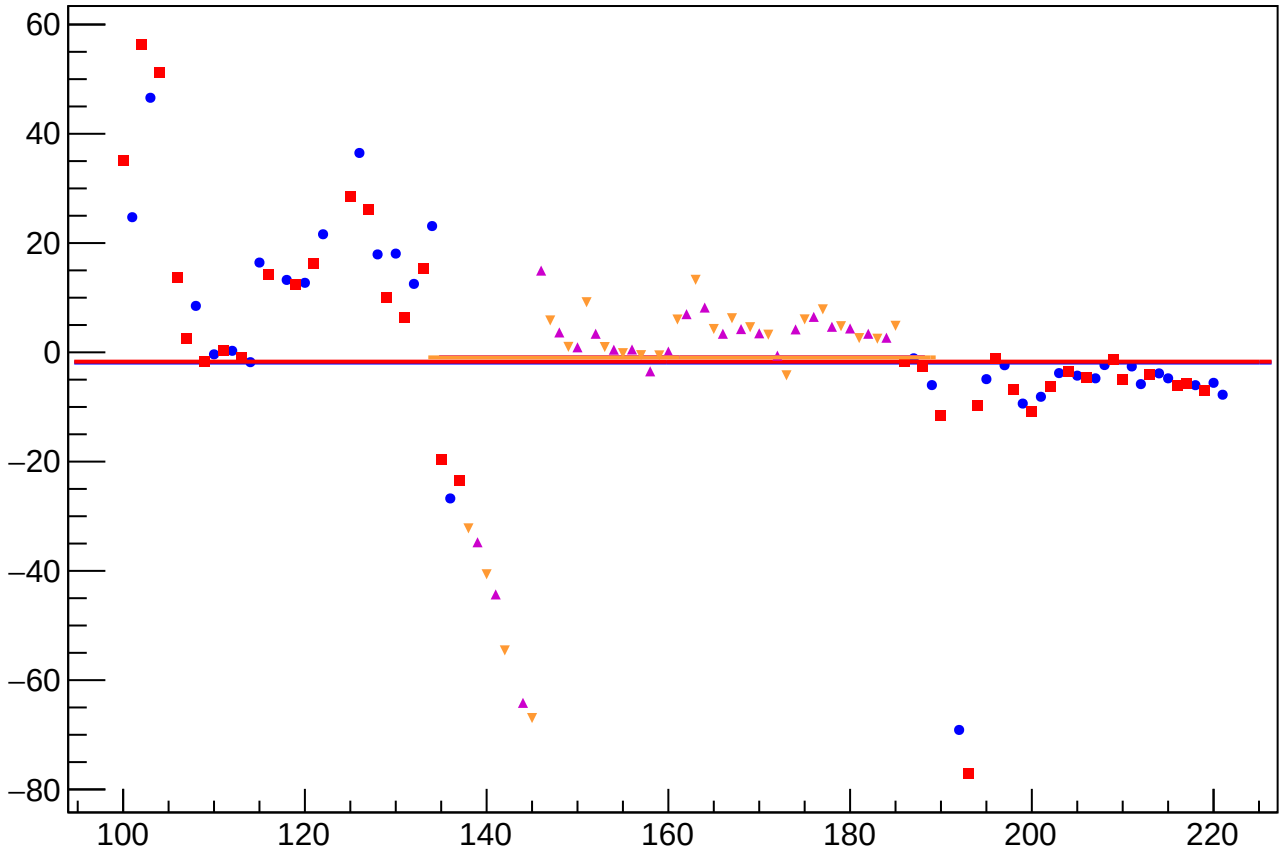
Right Out: 0.197+/-0.042 χ^2/NDF: 5075.6/34

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.641+/-0.026 χ^2/NDF: 13144.3/57

All: 0.465+/-0.018 χ^2/NDF: 25439.0/115

- sign 0.304+/-0.025 χ^2/NDF: 12208.3/57



Right In: -1.870+/-0.035 χ^2/NDF: 122108.8/33

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

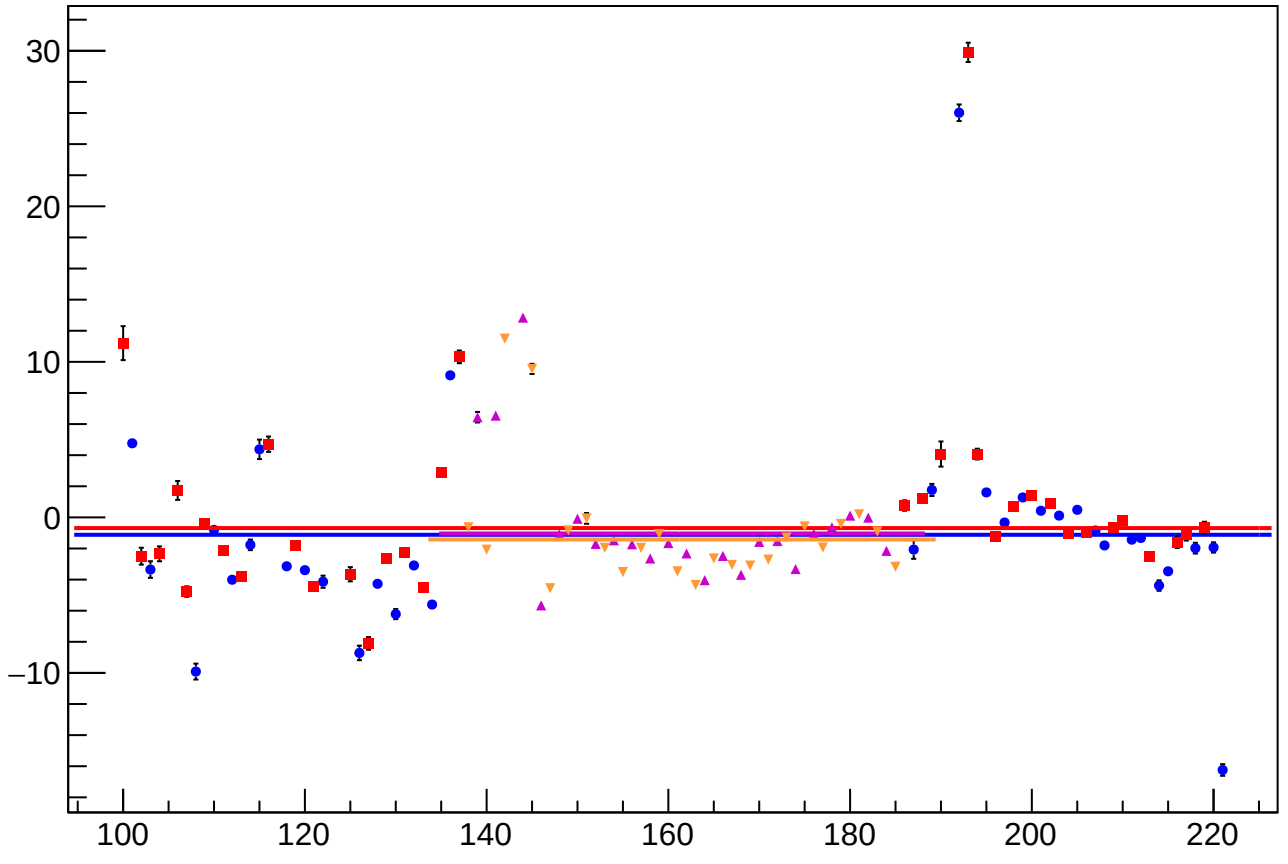
Right Out: -1.706+/-0.033 χ^2/NDF: 119439.3/34

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -1.472+/-0.026 χ^2/NDF: 248782.3/57

All: -1.411+/-0.018 χ^2/NDF: 497997.2/115

- sign -1.354+/-0.025 χ^2/NDF: 249204.4/57



Right In: -1.118+/-0.049 χ^2/NDF: 9365.4/33

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

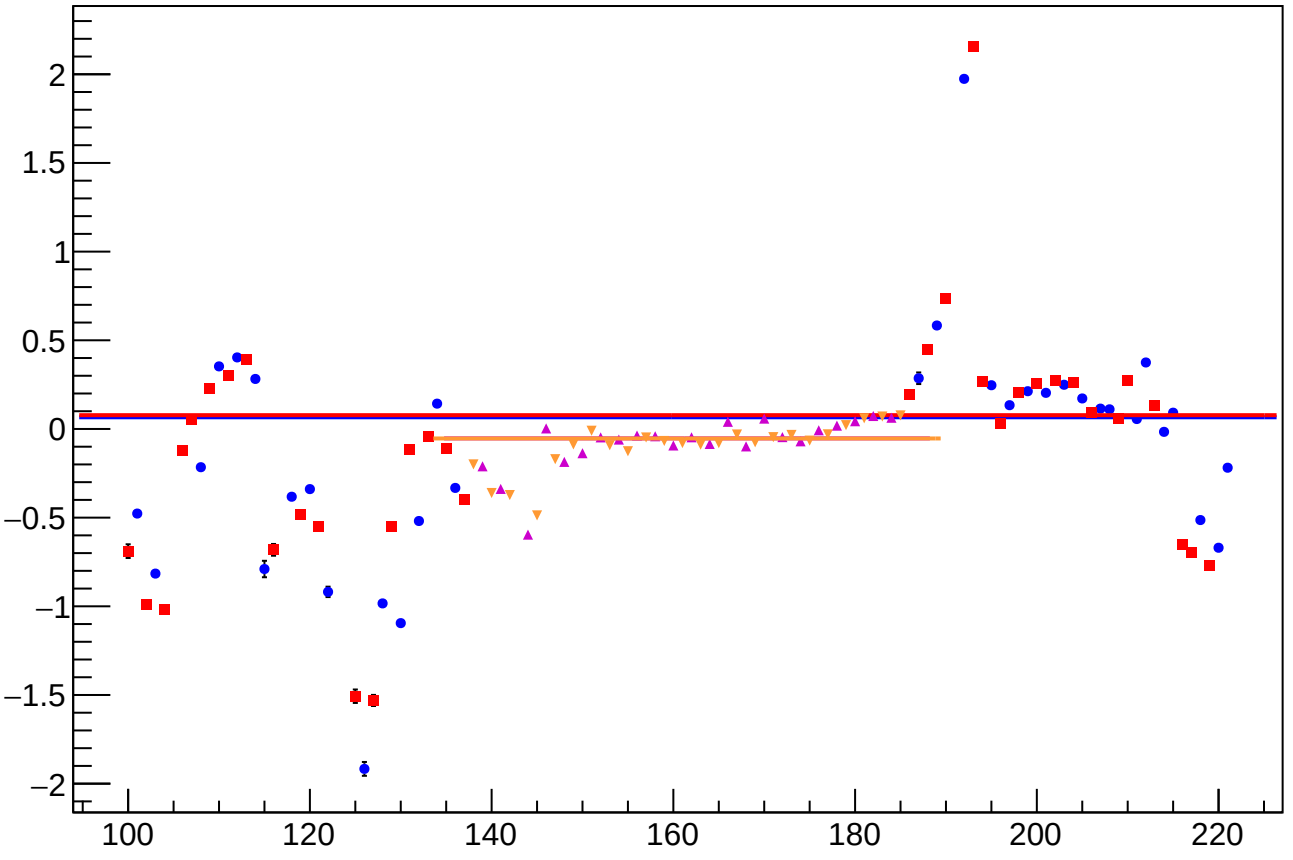
Right Out: -0.687+/-0.048 χ^2/NDF: 5553.0/34

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.315+/-0.029 χ^2/NDF: 14030.0/57

All: -1.106+/-0.020 χ^2/NDF: 26765.9/115

- sign -0.914+/-0.028 χ^2/NDF: 12638.2/57



Right In: 0.066+/-0.002 χ^2/NDF: 37220.4/33

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

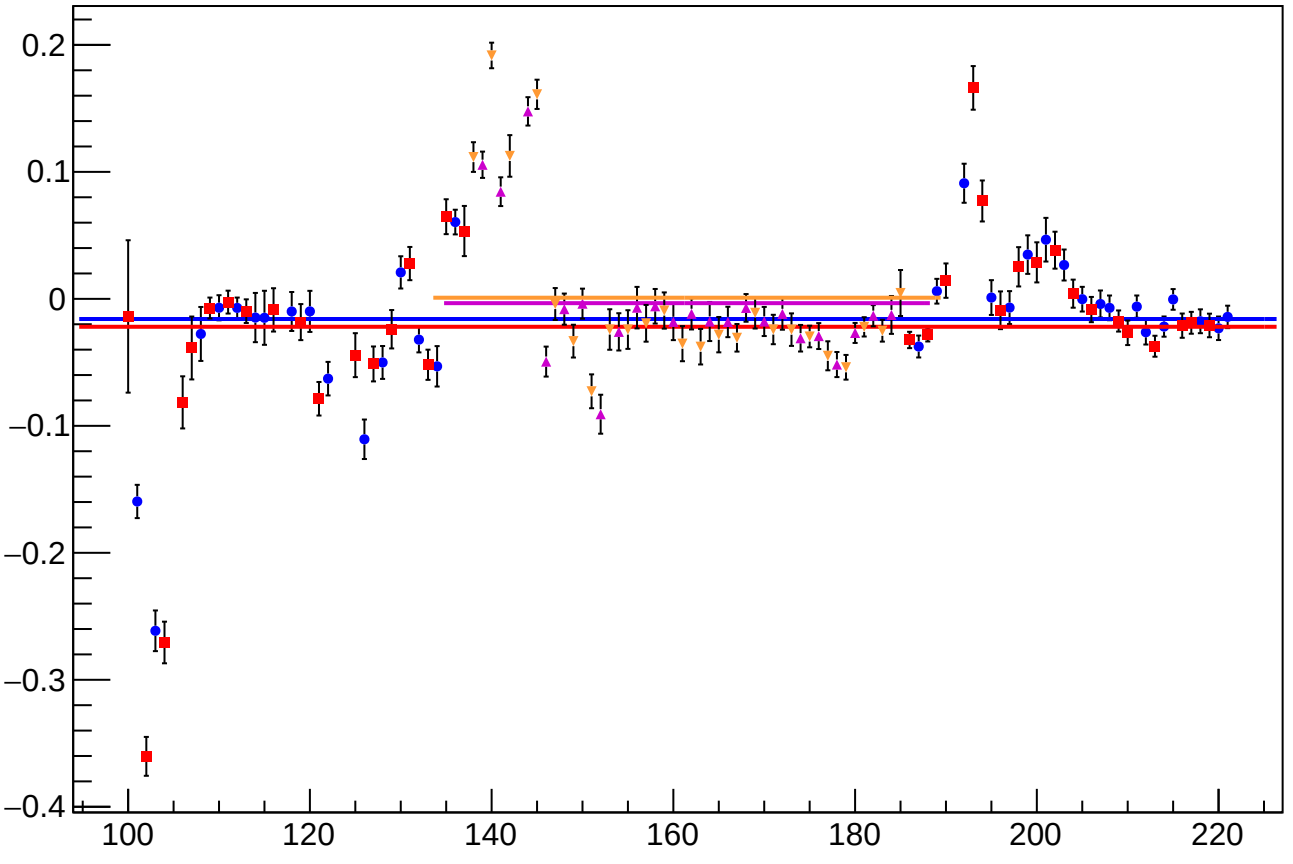
Right Out: 0.078+/-0.002 χ^2/NDF: 38381.8/34

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.013+/-0.001 χ^2/NDF: 43466.6/57

All: -0.013+/-0.001 χ^2/NDF: 89272.6/115

- sign -0.012+/-0.001 χ^2/NDF: 45805.8/57



Right In: -0.016+/-0.002 χ^2/NDF: 602.9/33

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

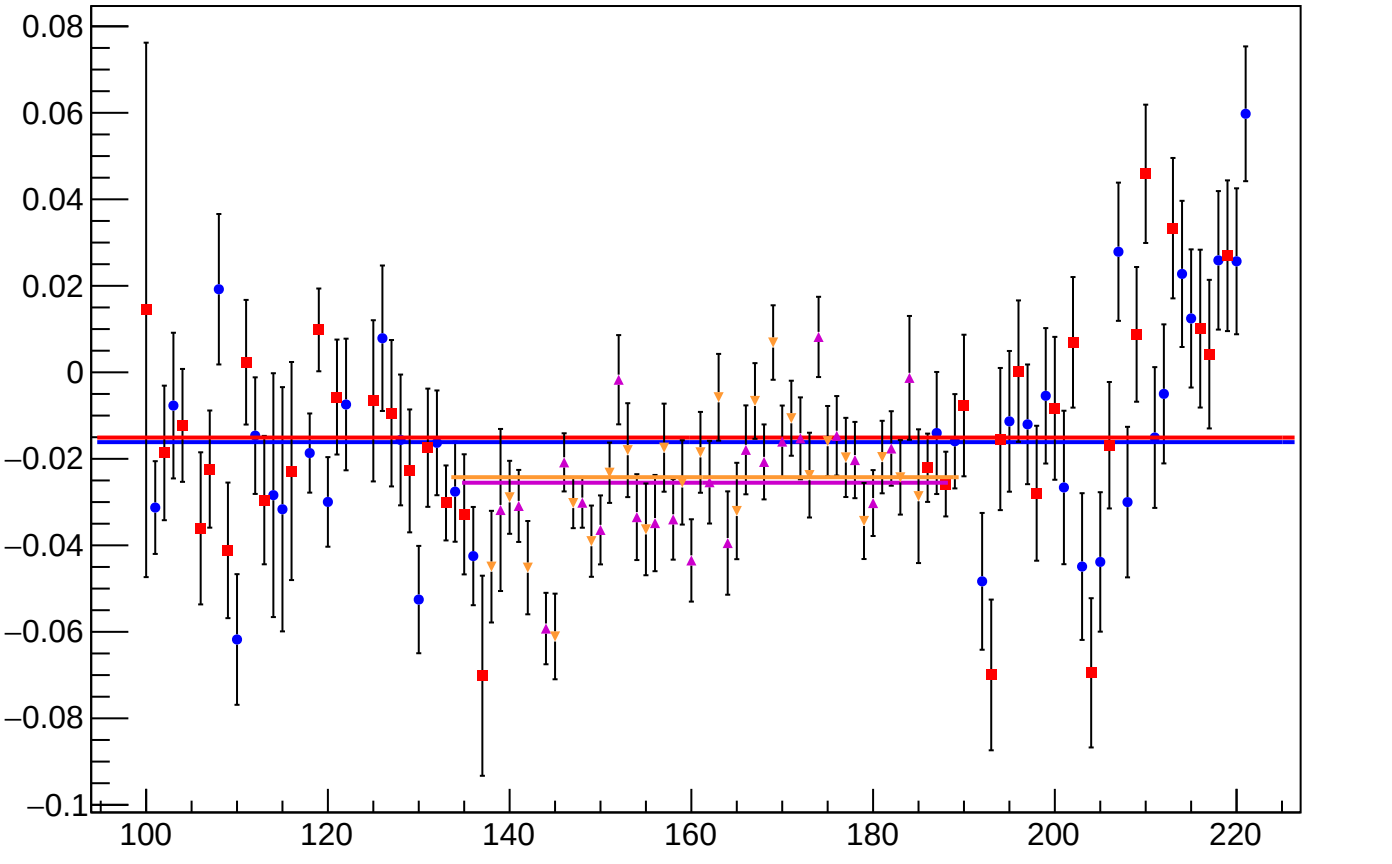
Right Out: -0.022+/-0.002 χ^2/NDF: 1054.8/34

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.001 χ^2/NDF: 1482.4/57

All: -0.012+/-0.001 χ^2/NDF: 3039.3/115

- sign -0.015+/-0.001 χ^2/NDF: 1549.8/57



Right In: -0.016+/-0.002 χ^2/NDF: 100.1/33

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

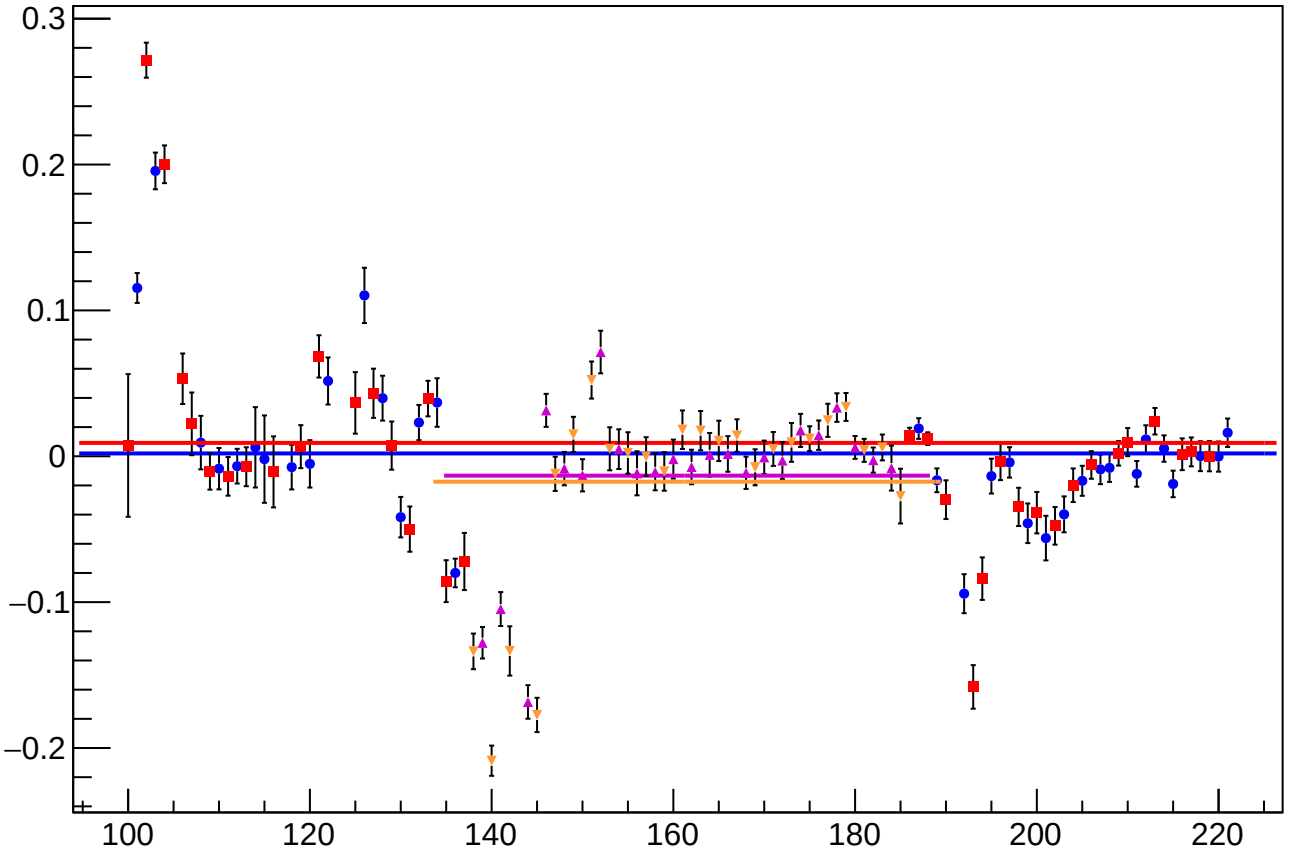
Right Out: -0.015+/-0.002 χ^2/NDF: 87.1/34

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.021+/-0.001 χ^2/NDF: 160.8/57

All: -0.021+/-0.001 χ^2/NDF: 314.9/115

- sign -0.022+/-0.001 χ^2/NDF: 154.1/57



Right In: 0.002+/-0.002 χ^2/NDF: 616.4/33

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

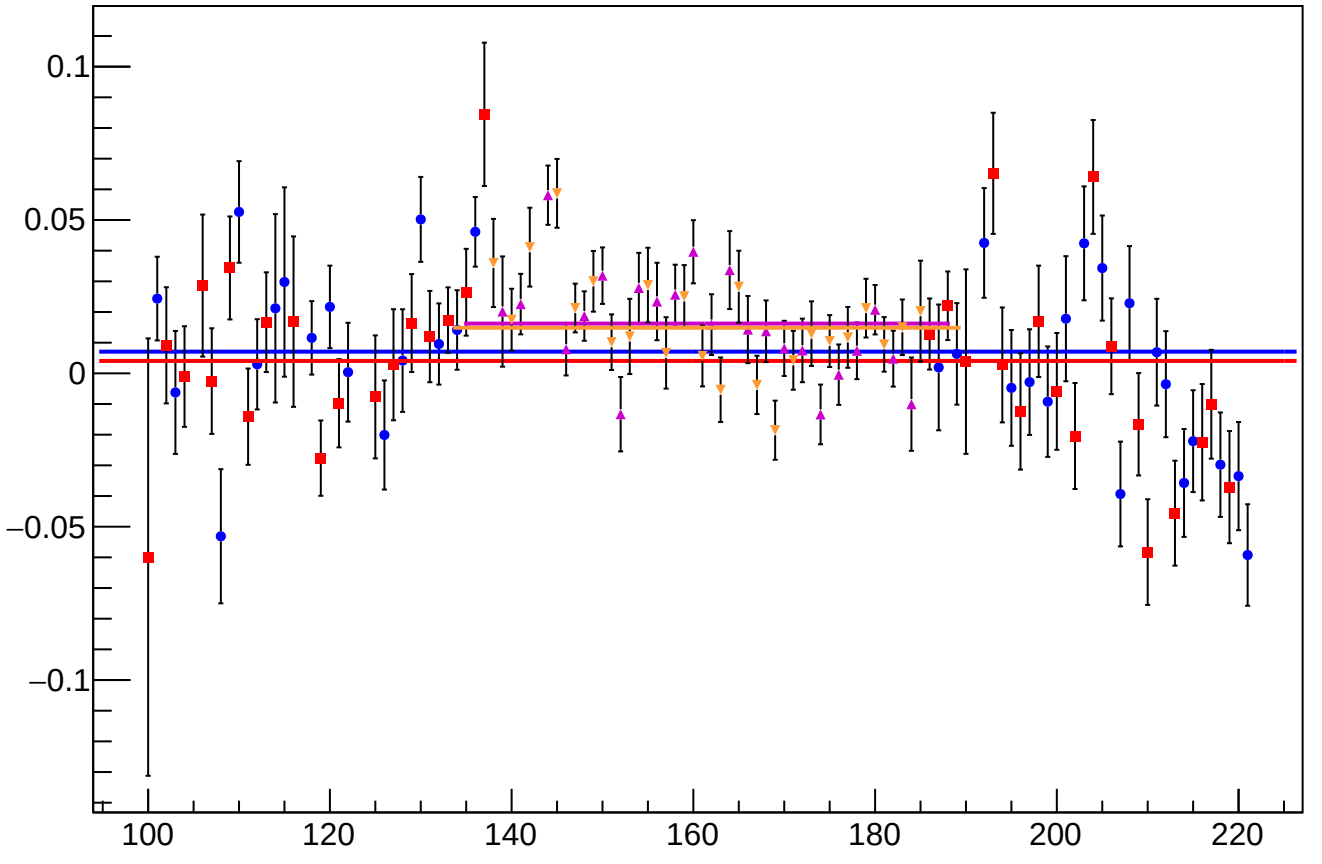
Right Out: 0.009+/-0.002 χ^2/NDF: 1048.3/34

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.006+/-0.002 χ^2/NDF: 1467.9/57

All: -0.003+/-0.001 χ^2/NDF: 3039.6/115

- sign 0.001+/-0.001 χ^2/NDF: 1562.0/57



Right In: 0.007+/-0.003 χ^2/NDF: 99.2/33

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

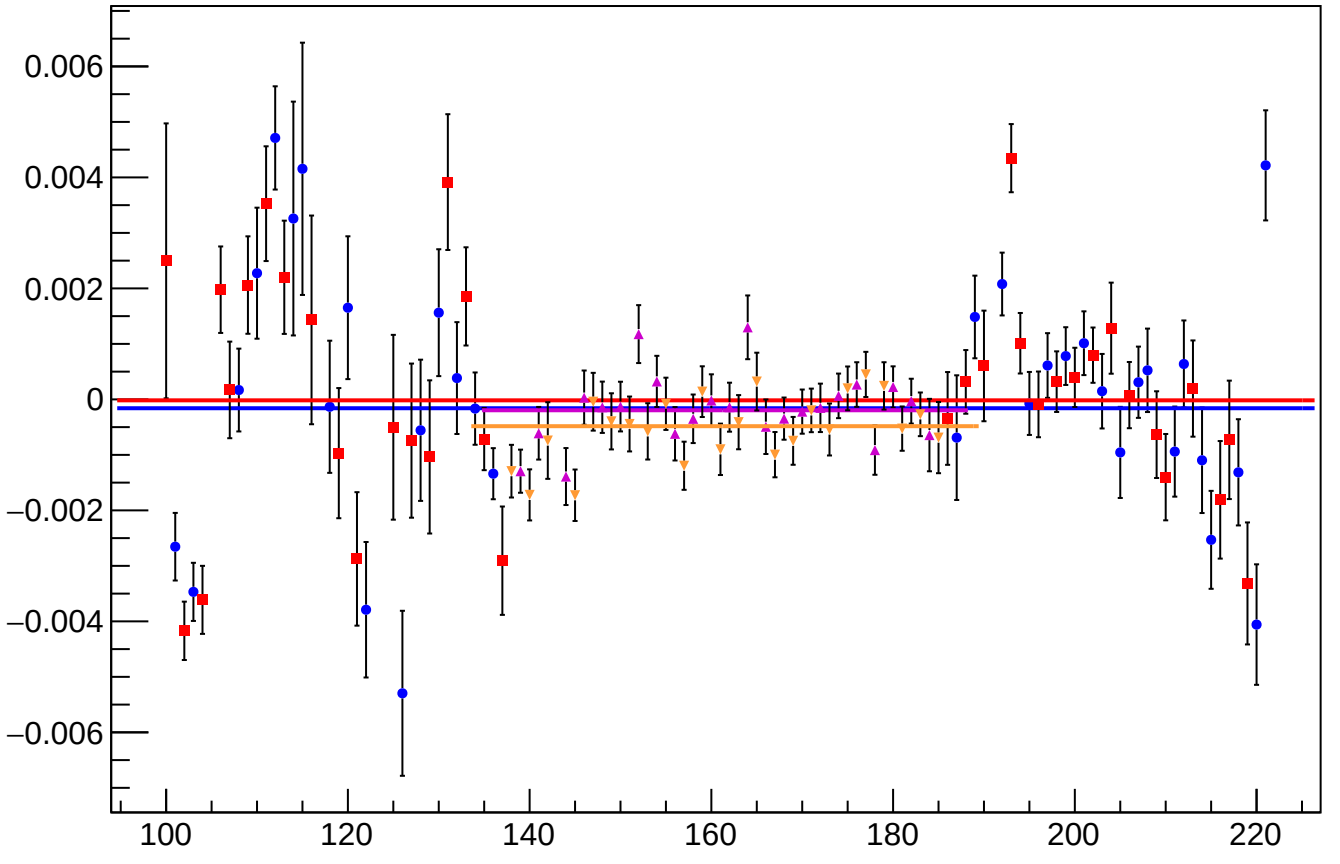
Right Out: 0.004+/-0.003 χ^2/NDF: 89.9/34

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.012+/-0.002 χ^2/NDF: 156.2/57

All: 0.012+/-0.001 χ^2/NDF: 316.1/115

- sign 0.012+/-0.002 χ^2/NDF: 159.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 203.2/33

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 236.7/34

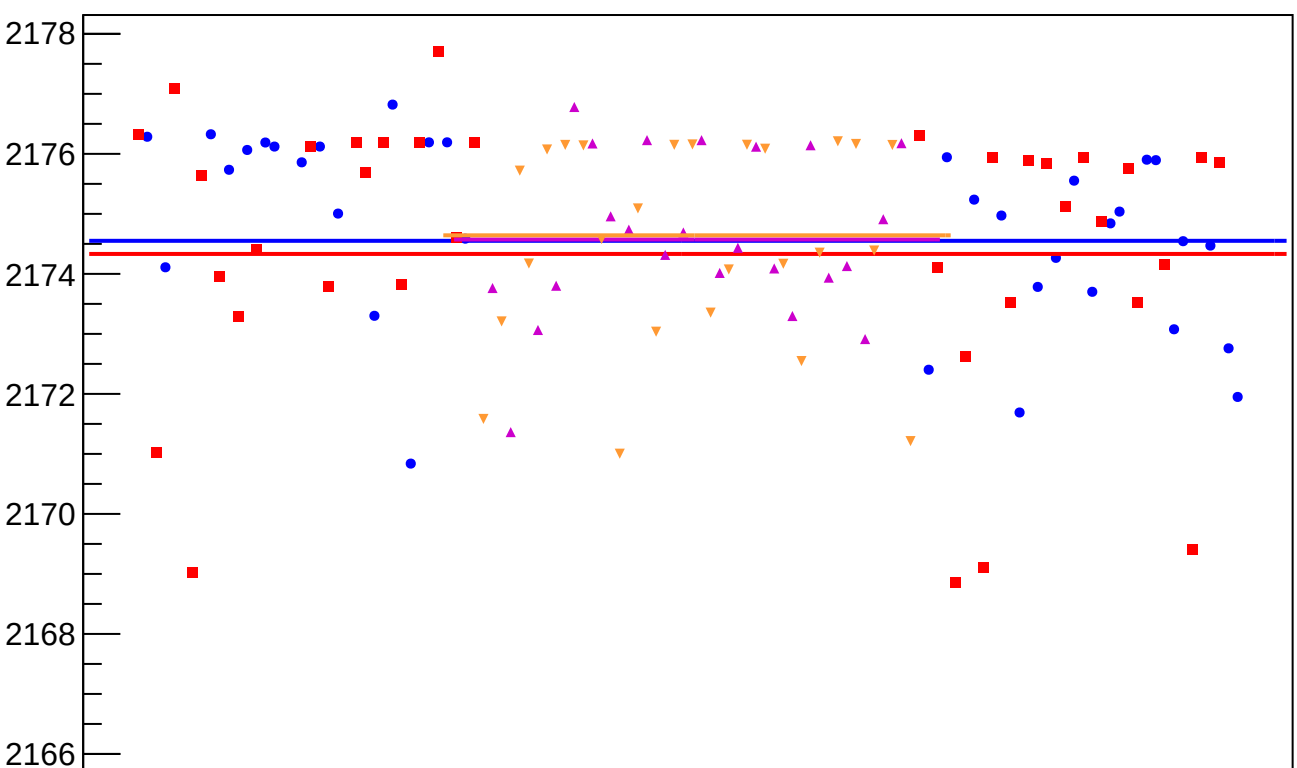
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 248.0/57

All: -0.000+/-0.000 χ^2/NDF: 528.1/115

- sign -0.000+/-0.000 χ^2/NDF: 275.2/57

HALLA_p_mean vs Slug



Right In: 2174.551+/-0.000 χ^2/NDF: 4783063944890814488807656342421504.0/33

+ sign 2174.594+/-0.000 χ^2/NDF: 10003700903366

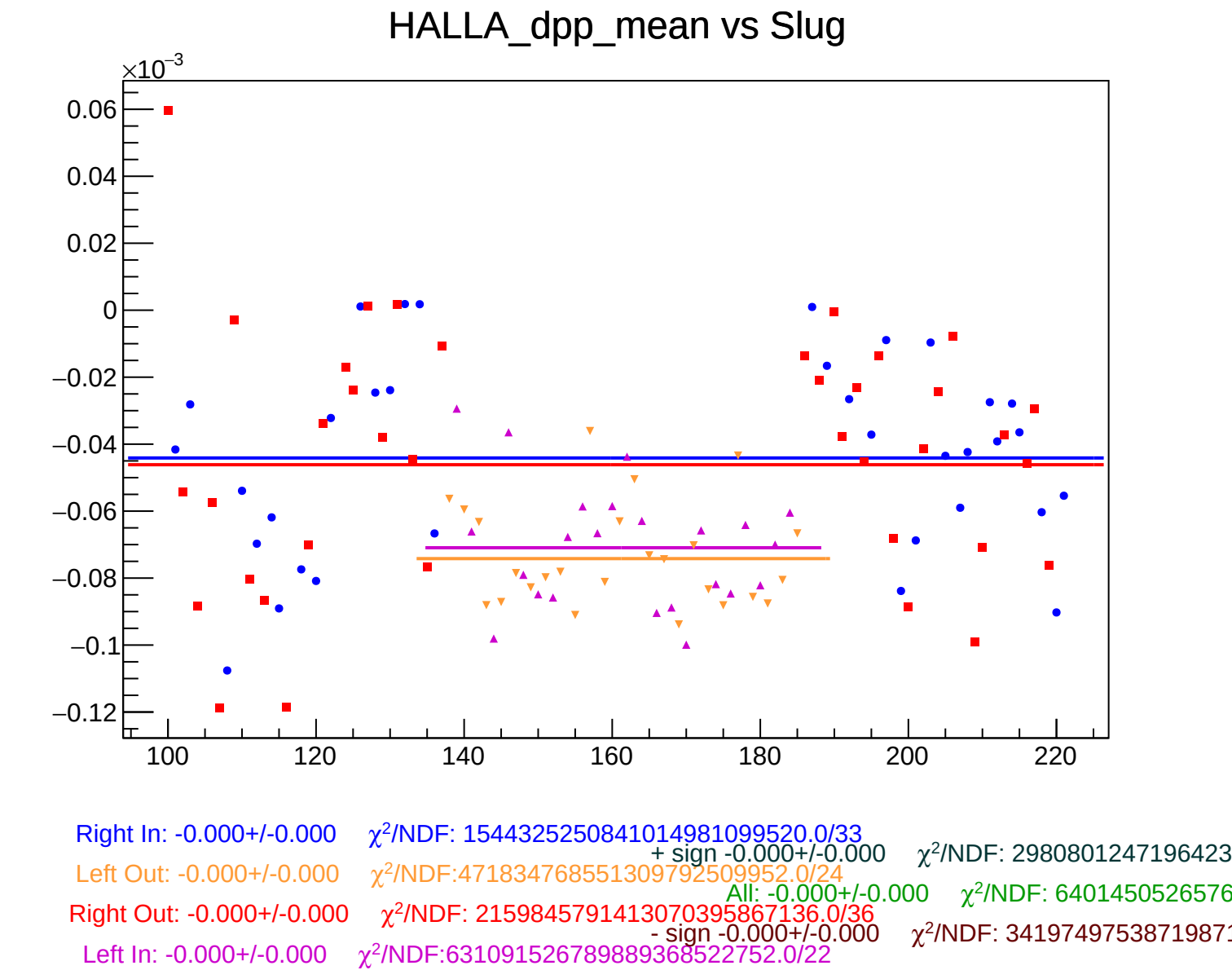
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

All: 2174.520+/-0.000 χ^2/NDF: 2601990851

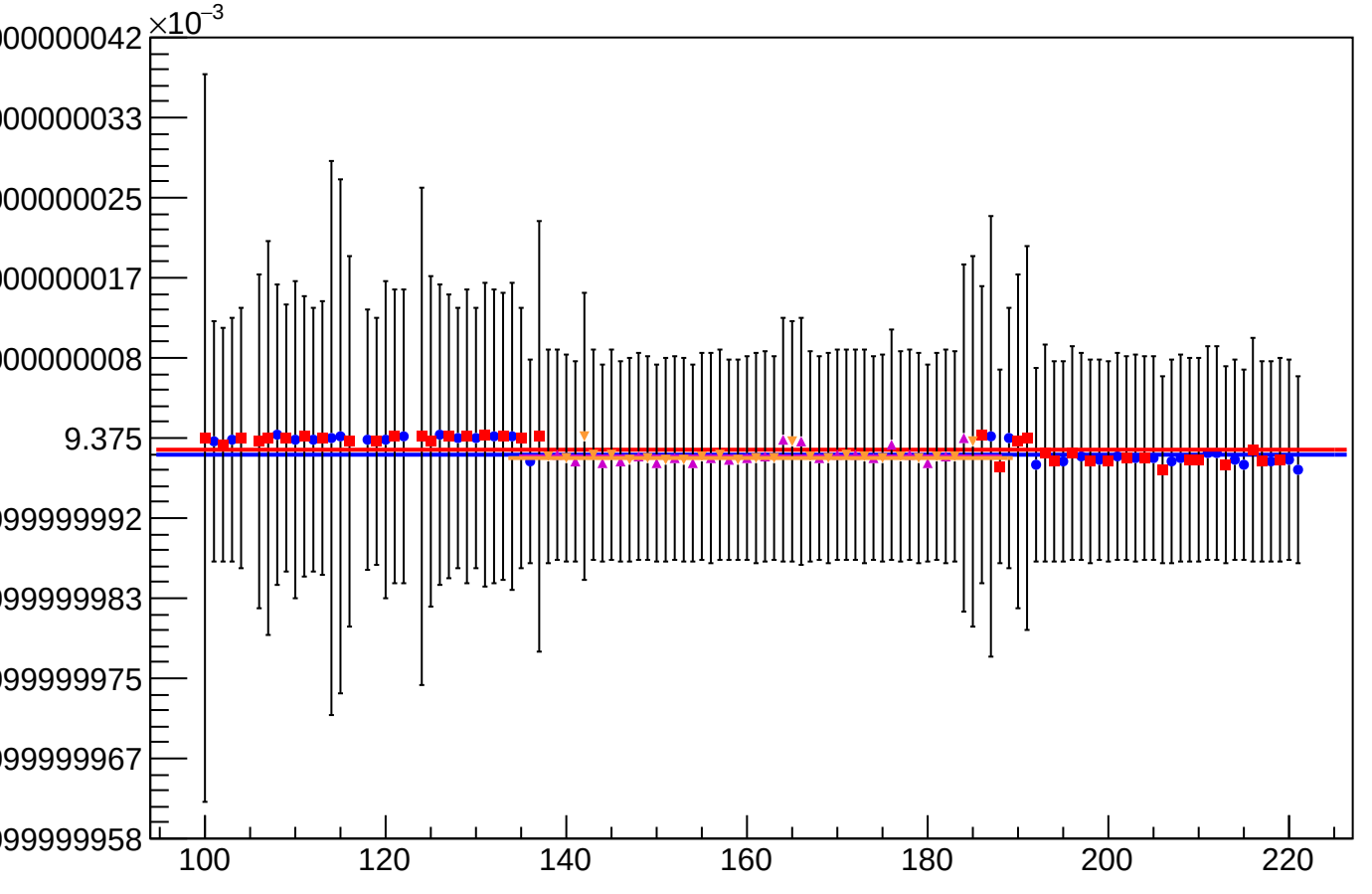
Right Out: 2174.332+/-0.000 χ^2/NDF: 12478228535690841354783572151500800.0/36

- sign 2174.444+/-0.000 χ^2/NDF: 15968705019233

Left In: 2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22


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
220
Right In: -0.000+/-0.000 χ²/NDF: 1544325250841014981099520.0/33
+ sign -0.000+/-0.000 χ²/NDF: 2980801247196423
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
All: -0.000+/-0.000 χ²/NDF: 6401450526576
Right Out: -0.000+/-0.000 χ²/NDF: 2159845791413070395867136.0/36
- sign -0.000+/-0.000 χ²/NDF: 3419749753871987
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

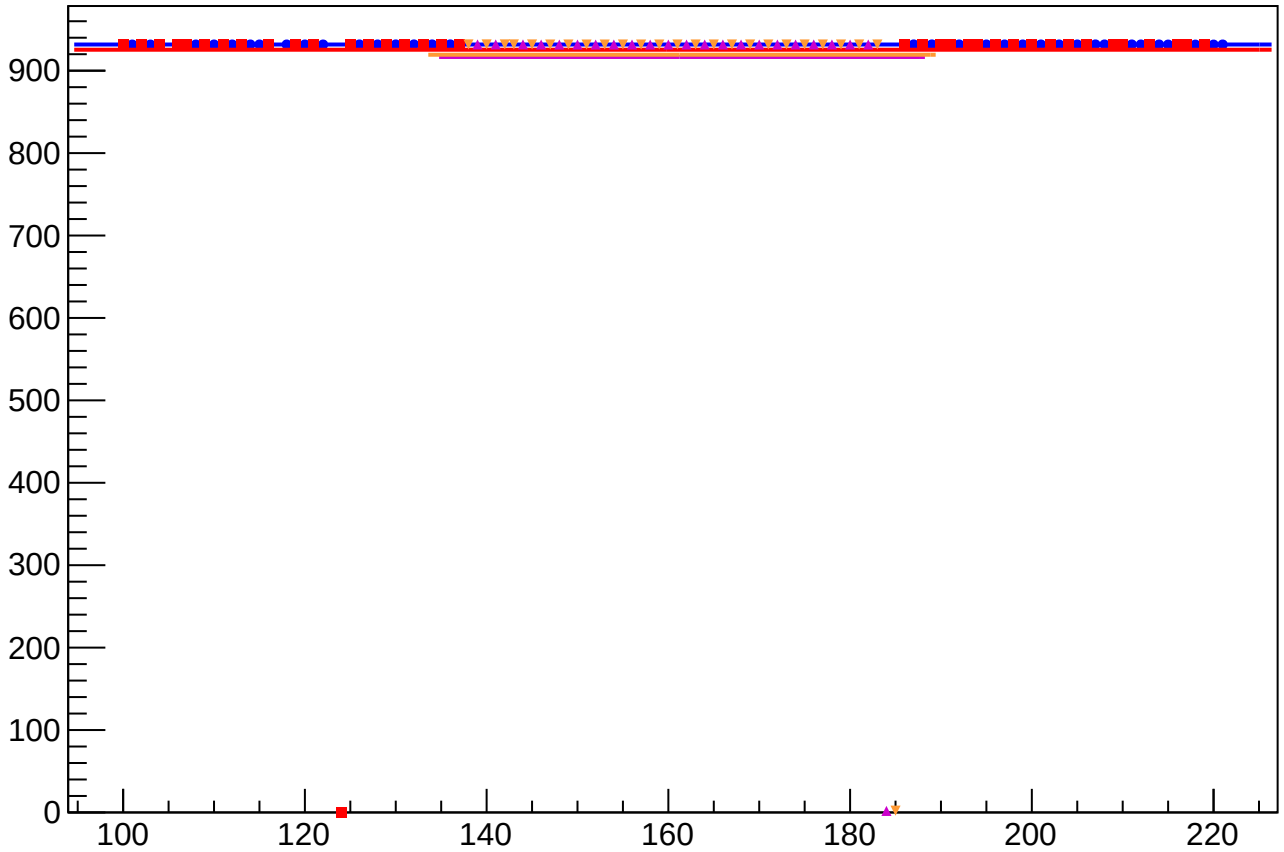
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

\+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/118

\- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.757+/-0.000 χ^2/NDF: 888105092782545998310565688115 2.0/33

+ sign 925.913+/-0.000 χ^2/NDF: 231855405597686

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

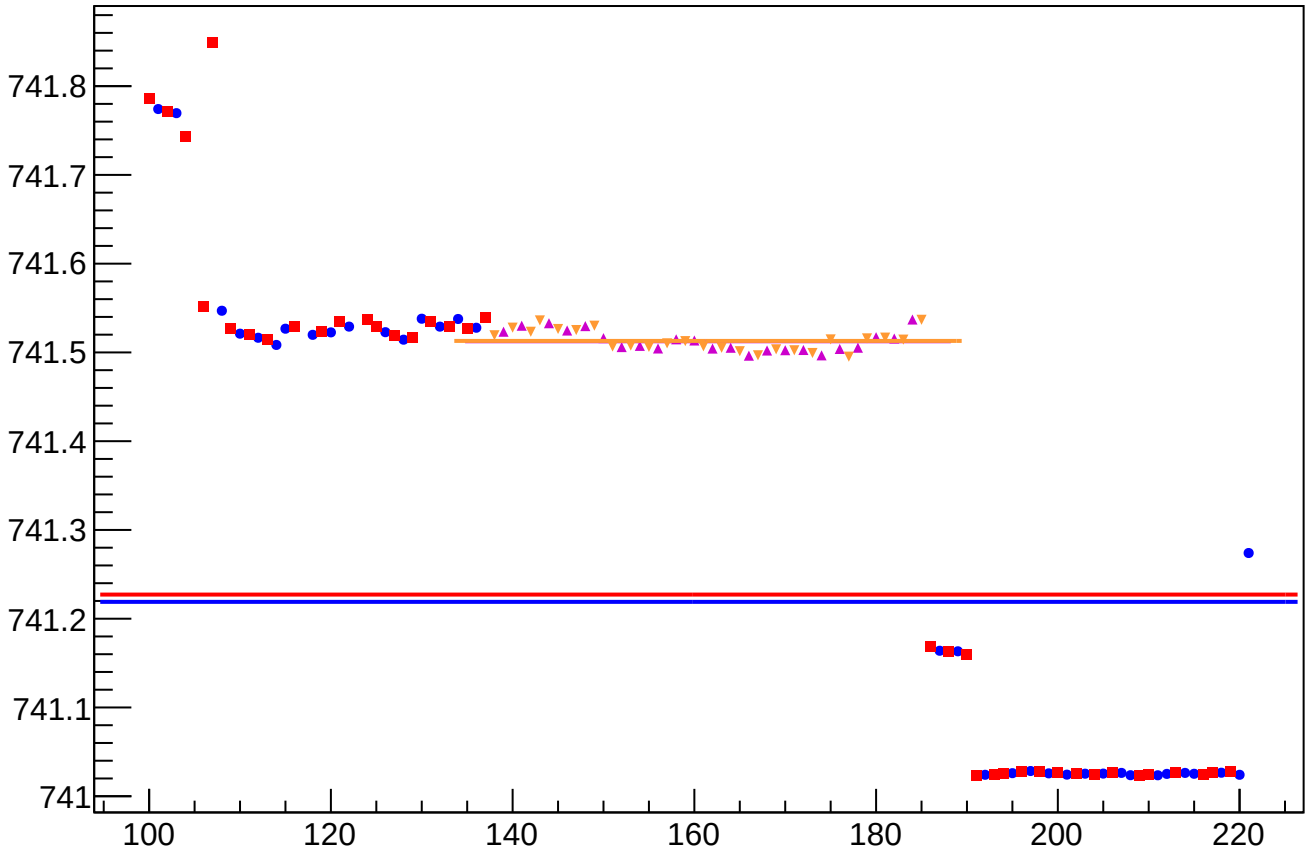
All: 923.686+/-0.000 χ^2/NDF: 6261089648 34

Right Out: 925.434+/-0.000 χ^2/NDF: 1293337326132345214943365139999909 4784.0/36

- sign 921.367+/-0.000 χ^2/NDF: 393819894504317

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.219+/-0.000 χ^2/NDF: 14821548211991186552864648672051 2.0/33

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.227+/-0.000 χ^2/NDF: 15304168719650810294458042967654 4.0/36

Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.357+/-0.000 χ^2/NDF: 240740564764915

All: 741.358+/-0.000 χ^2/NDF: 4773580909 82

- sign 741.359+/-0.000 χ^2/NDF: 236609596347047

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.803+/-0.000 χ^2/NDF: 196209741224075536041973592883 2.0/33

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: 980.783+/-0.000 χ^2/NDF: 6364003421789029334335095203430 4.0/36

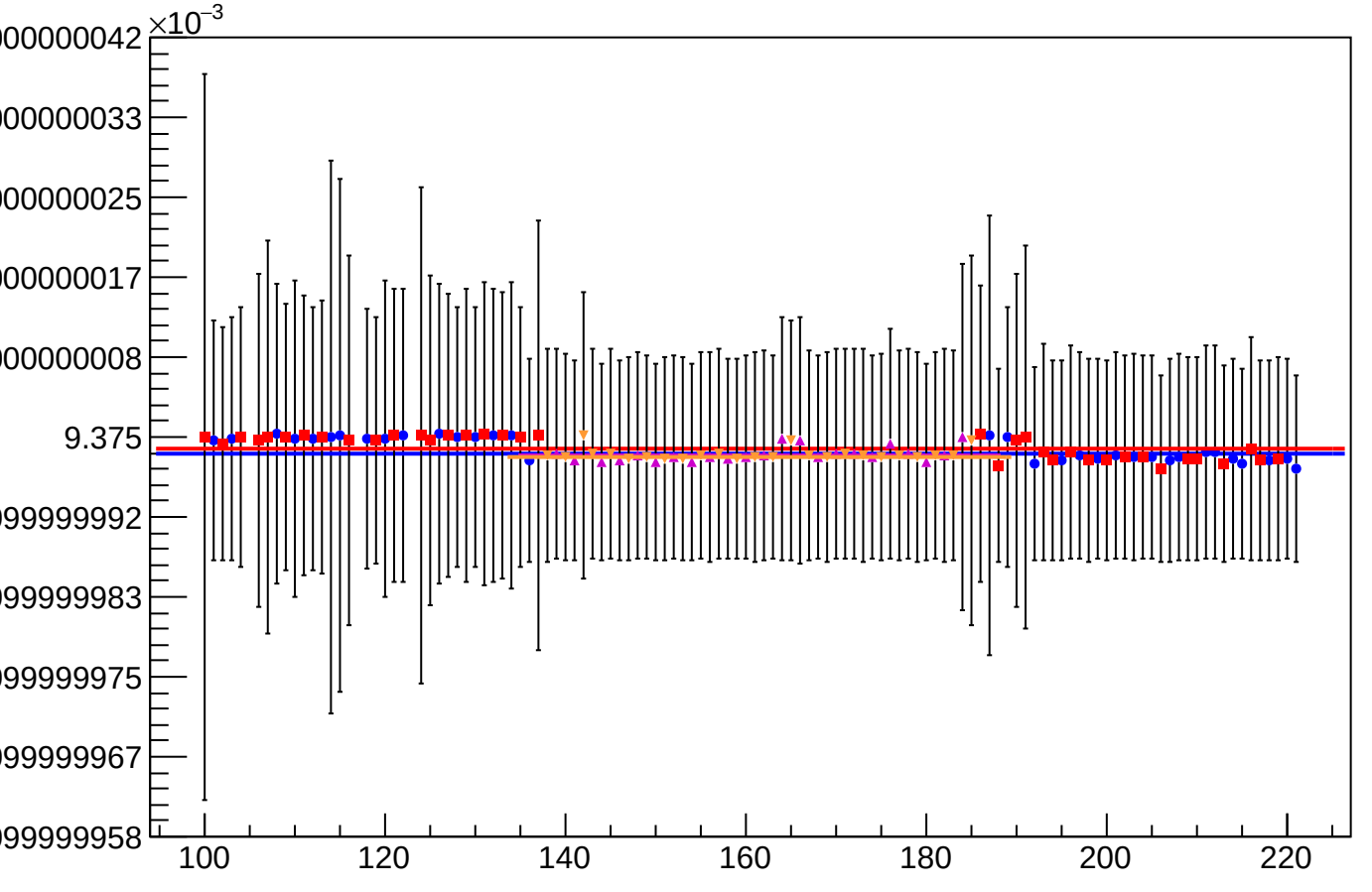
Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501657 6.0/22

+ sign 974.621+/-0.000 χ^2/NDF: 256891228087717

All: 974.025+/-0.000 χ^2/NDF: 5516773823

- sign 973.405+/-0.000 χ^2/NDF: 294755088833318

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

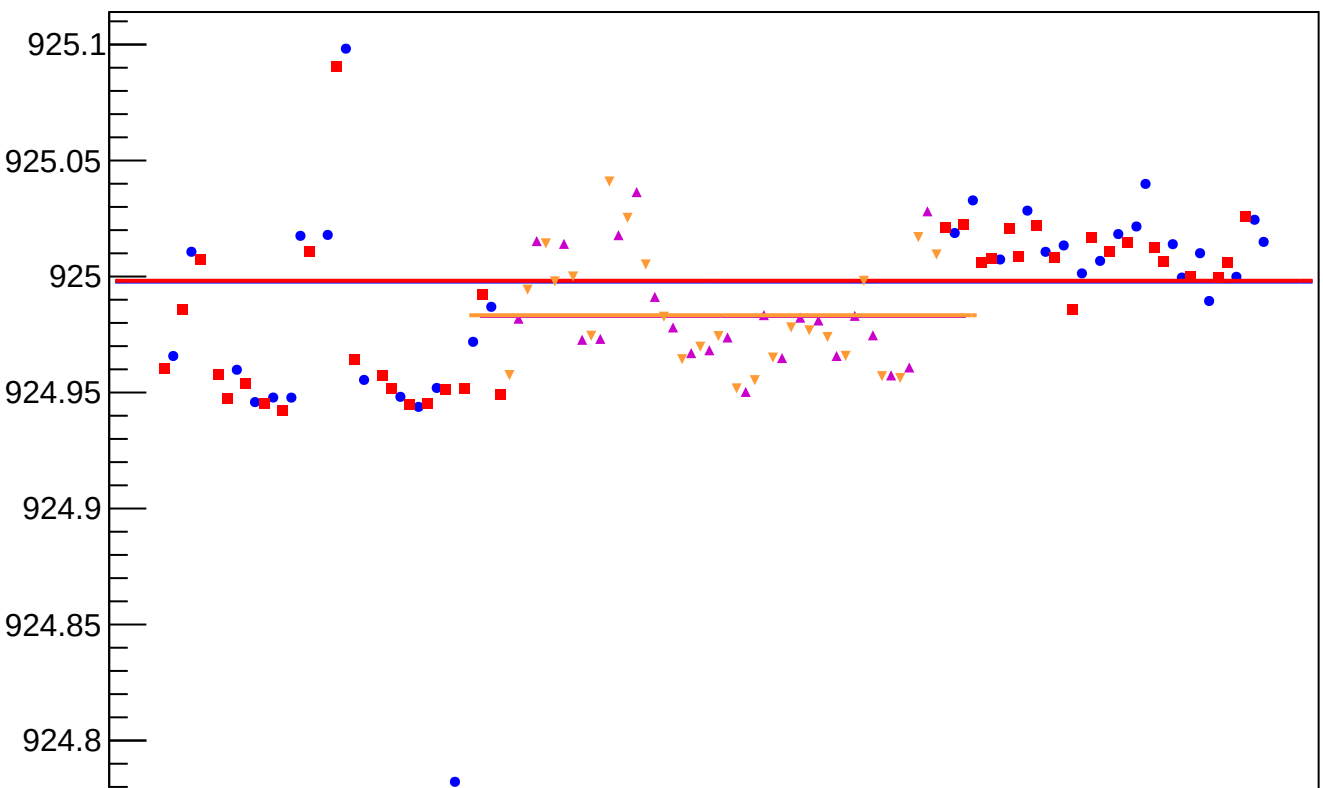
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/118

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.998+/-0.000 χ^2/NDF: 3878856082752694629313655341056.0/33

+ sign 924.991+/-0.000 χ^2/NDF: 526491677562345

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

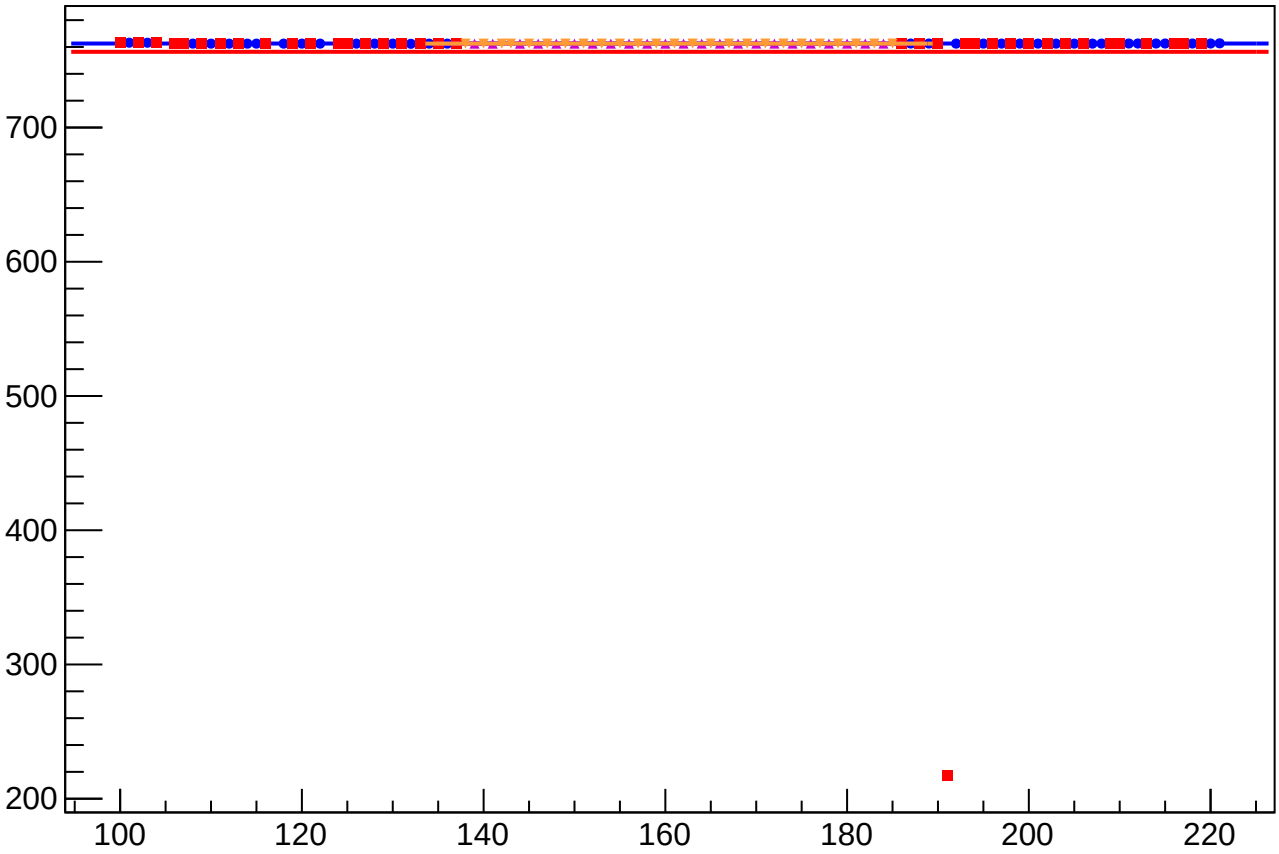
All: 924.991+/-0.000 χ^2/NDF: 849335872411

Right Out: 924.998+/-0.000 χ^2/NDF: 20649755715244683829818068828 16.0/36

- sign 924.991+/-0.000 χ^2/NDF: 322838867331741

Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.579+/-0.000 χ^2/NDF: 581319657020769562365555460014080.0/33

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

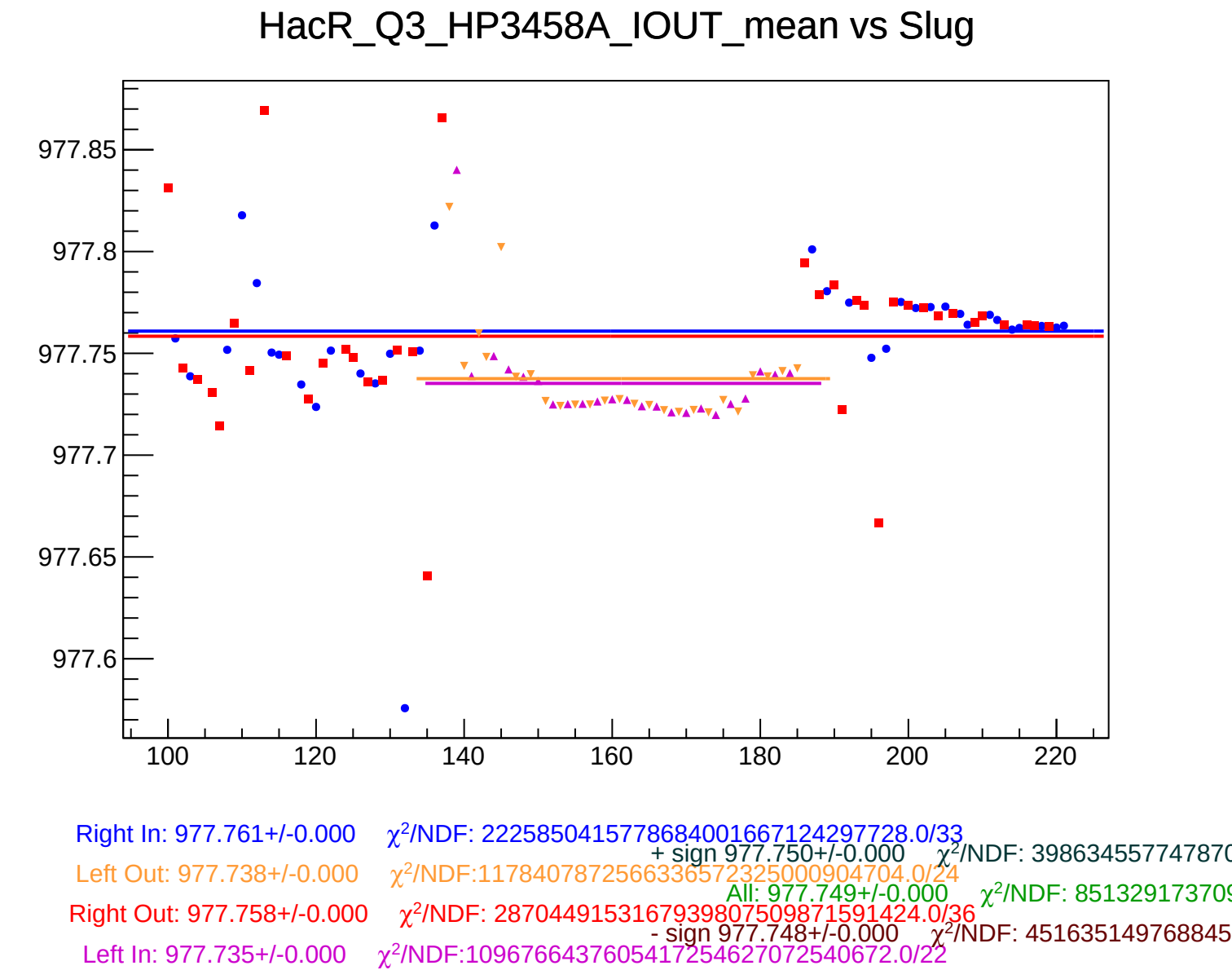
Right Out: 756.402+/-0.000 χ^2/NDF: 735525919677402594863286680795113062 4.0/36

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

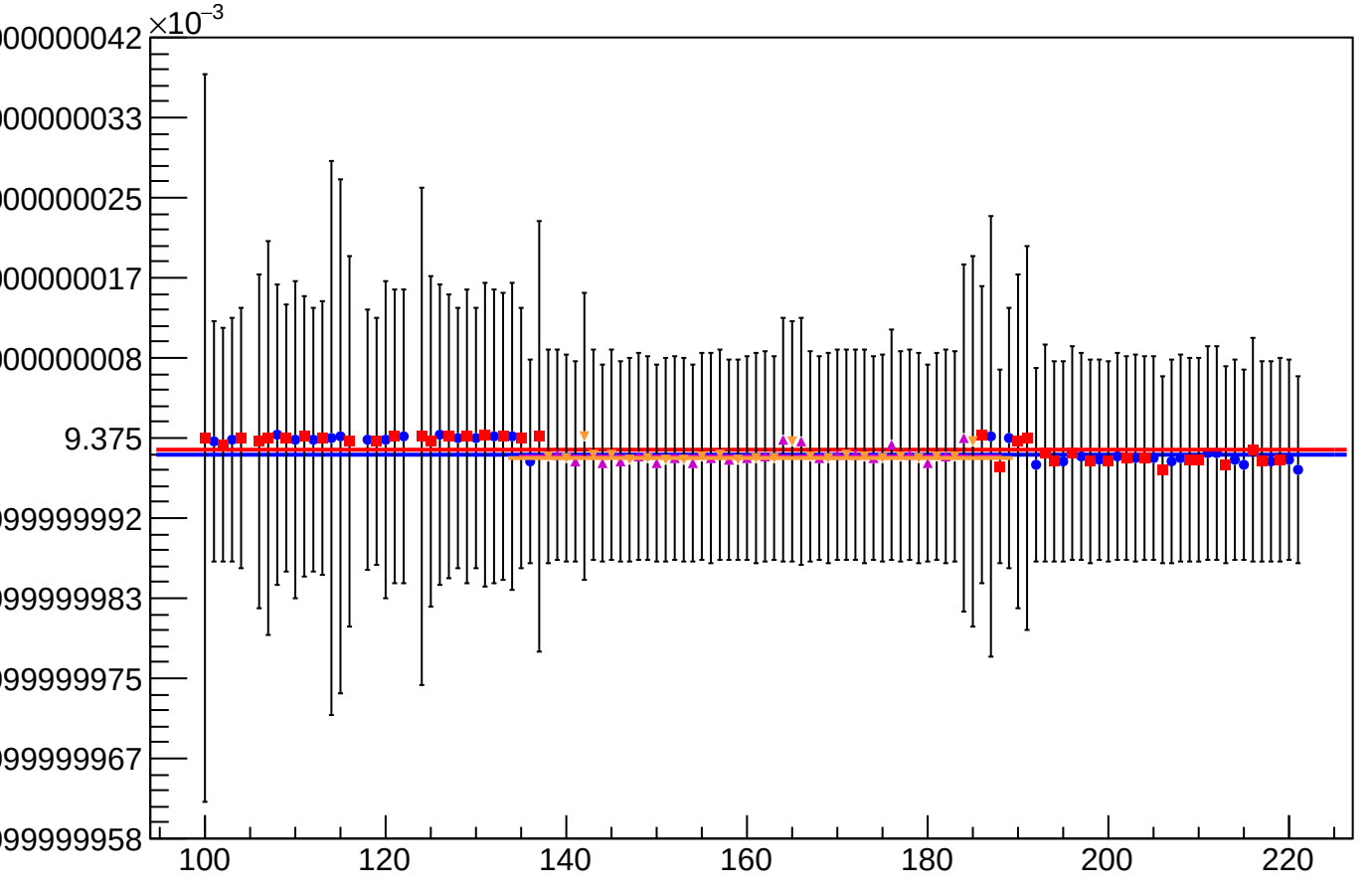
+ sign 762.550+/-0.000 χ^2/NDF: 627760425993539

All: 760.926+/-0.000 χ^2/NDF: 741667012534

- sign 759.235+/-0.000 χ^2/NDF: 739354012123159


HacR_Q3_HP3458A_IOUT_mean vs Slug
977.85
977.8
977.75
977.7
977.65
977.6
100
120
140
160
180
200
220
Right In: 977.761+/-0.000 χ²/NDF: 22258504157786840016671242977280.0/33
+ sign 977.750+/-0.000 χ²/NDF: 39863455774787
Left Out: 977.738+/-0.000 χ²/NDF:11784078725663365723250009047040.0/24
All: 977.749+/-0.000 χ²/NDF: 851329173709
Right Out: 977.758+/-0.000 χ²/NDF: 28704491531679398075098715914240.0/36
- sign 977.748+/-0.000 χ²/NDF: 451635149768845
Left In: 977.735+/-0.000 χ²/NDF:10967664376054172546270725406720.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

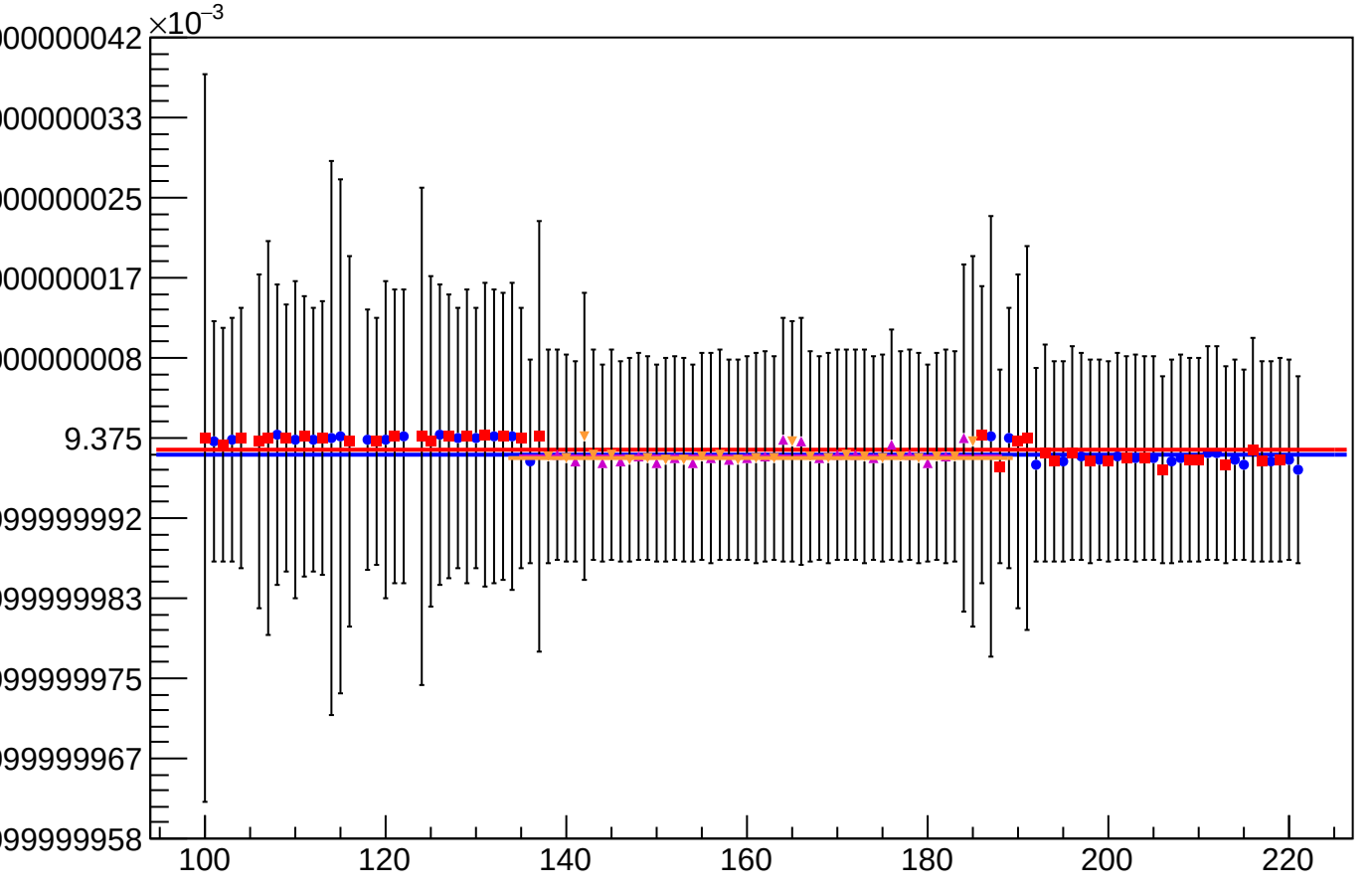
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/118

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.4/58

All: 0.009+/-0.000 χ^2/NDF: 0.9/118

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

VWienAngle_mean vs Slug

Right In: 88.001+/-0.000 χ^2/NDF: 7001348.8/33

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

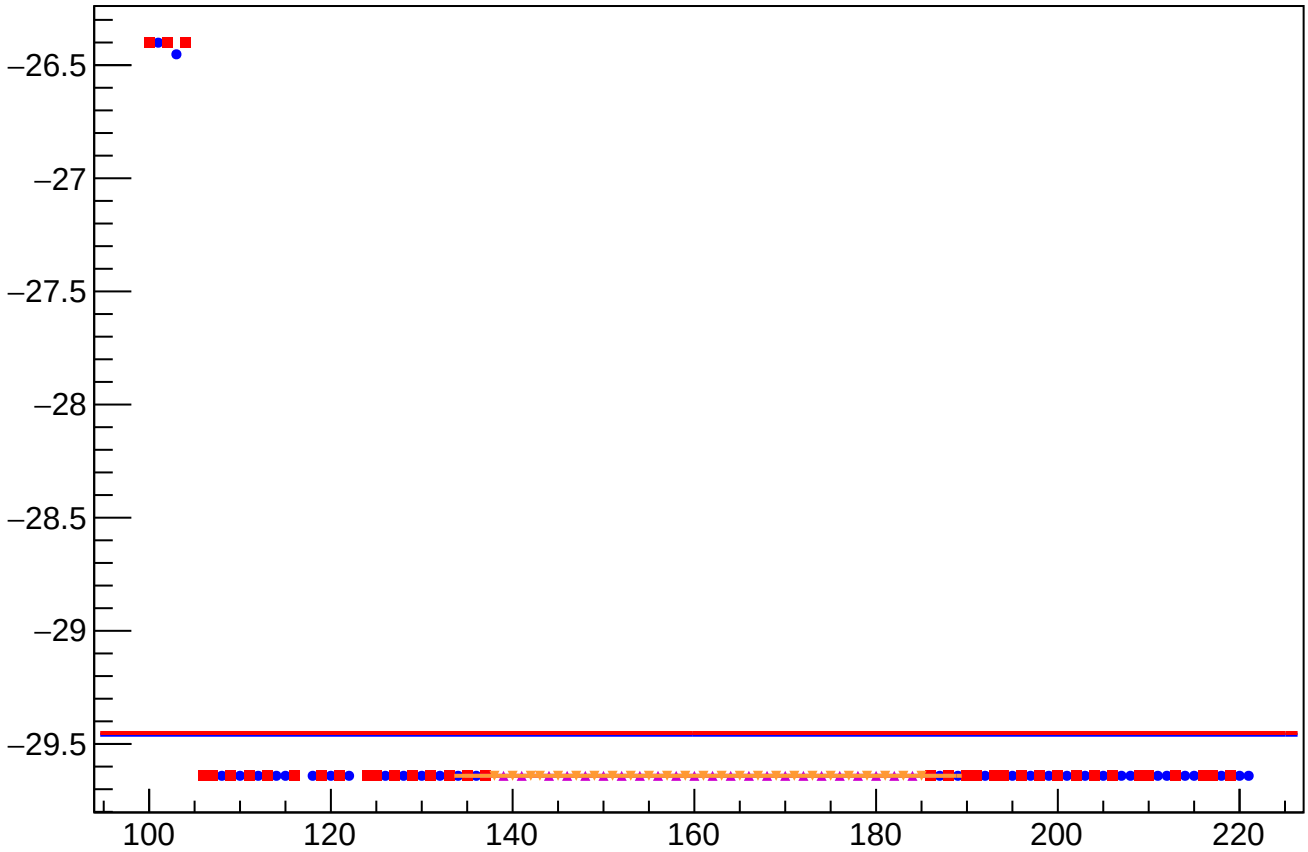
Right Out: 88.002+/-0.000 χ^2/NDF: 768778896372931767394872852480.0/36

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign 3.890+/-0.000 χ^2/NDF: 34055304269722269

All: 4.569+/-0.000 χ^2/NDF: 66696791367146

- sign 5.277+/-0.000 χ^2/NDF: 32637450363915515



Right In: -29.459+/-0.000 χ^2/NDF: 124817706915369510622918580843315 2.0/33

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

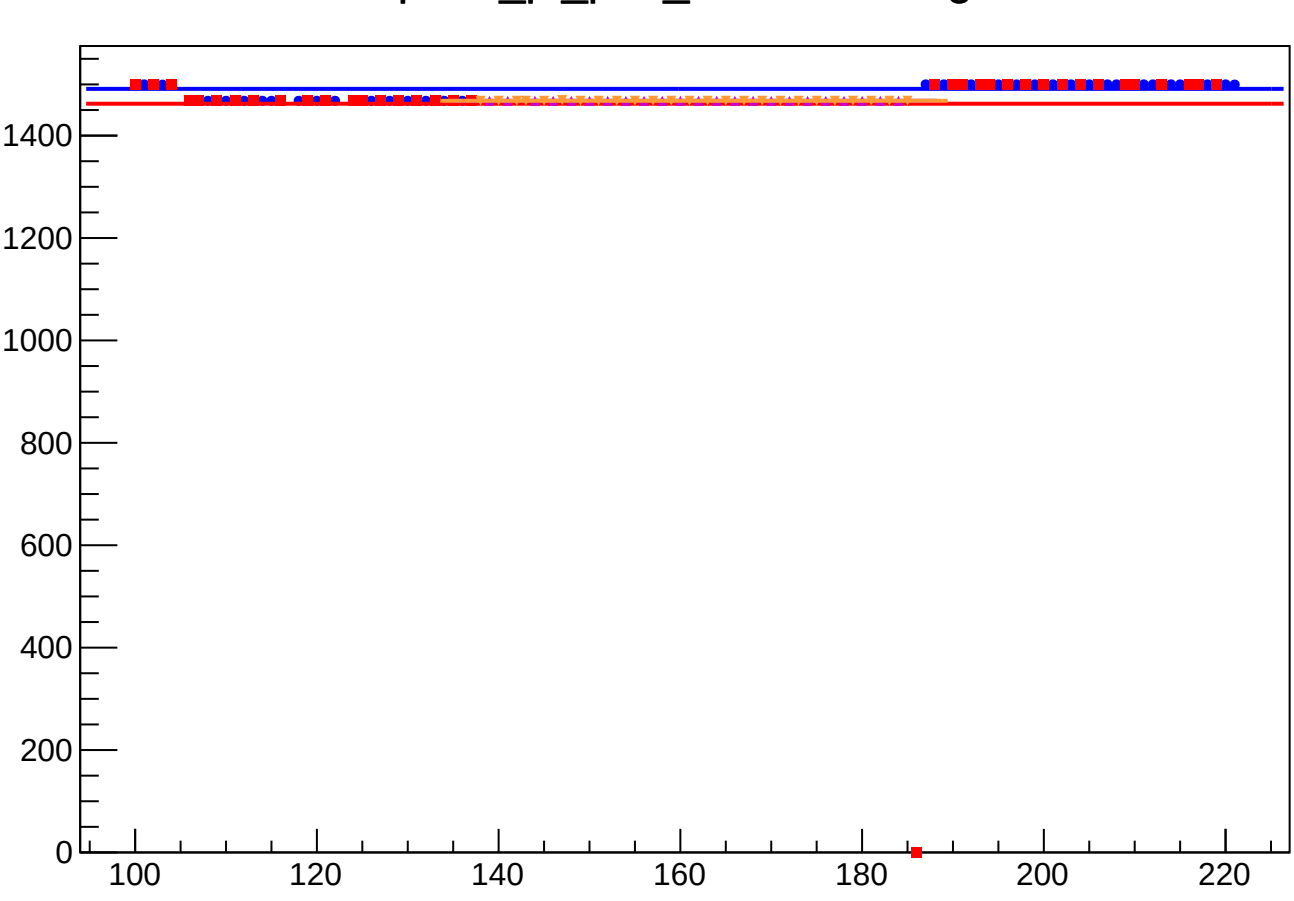
Right Out: -29.451+/-0.000 χ^2/NDF: 127510911362607266363346555764736 0.0/36

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.545+/-0.000 χ^2/NDF: 128335062521086

All: -29.542+/-0.000 χ^2/NDF: 259515335314

- sign -29.539+/-0.000 χ^2/NDF: 131173825866341



Right In: 1491.312+/-0.000 χ^2/NDF: 457428876858907539655760135084572672.0/33

+ sign 1480.357+/-0.000 χ^2/NDF: 10352487853318

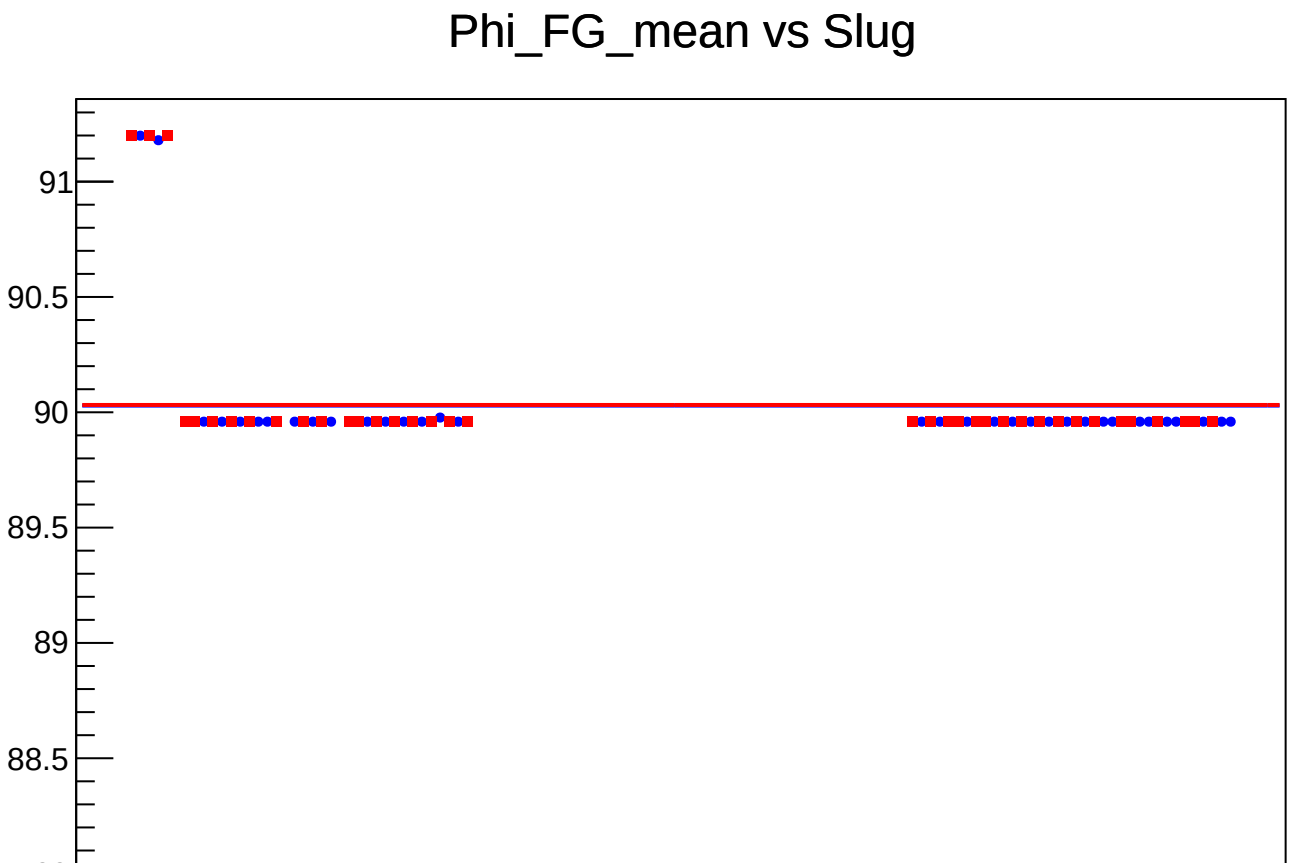
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1472.801+/-0.000 χ^2/NDF: 9357565928

Right Out: 1462.291+/-0.000 χ^2/NDF: 92007693713298389905267586861266632704.0/36

- sign 1464.932+/-0.000 χ^2/NDF: 92040970617978

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.029+/-0.000 χ^2/NDF: 1827381753824129254183111596441600.0/33

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.032+/-0.000 χ^2/NDF: 18676723947490323233054979522560 0.0/36

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 89.083+/-0.000 χ^2/NDF: 4489071489618742

All: 89.092+/-0.000 χ^2/NDF: 8814305548220

- sign 89.100+/-0.000 χ^2/NDF: 4324626997364052

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 997451282295002295697408.0/33

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 22583579773521684059914240.0/36

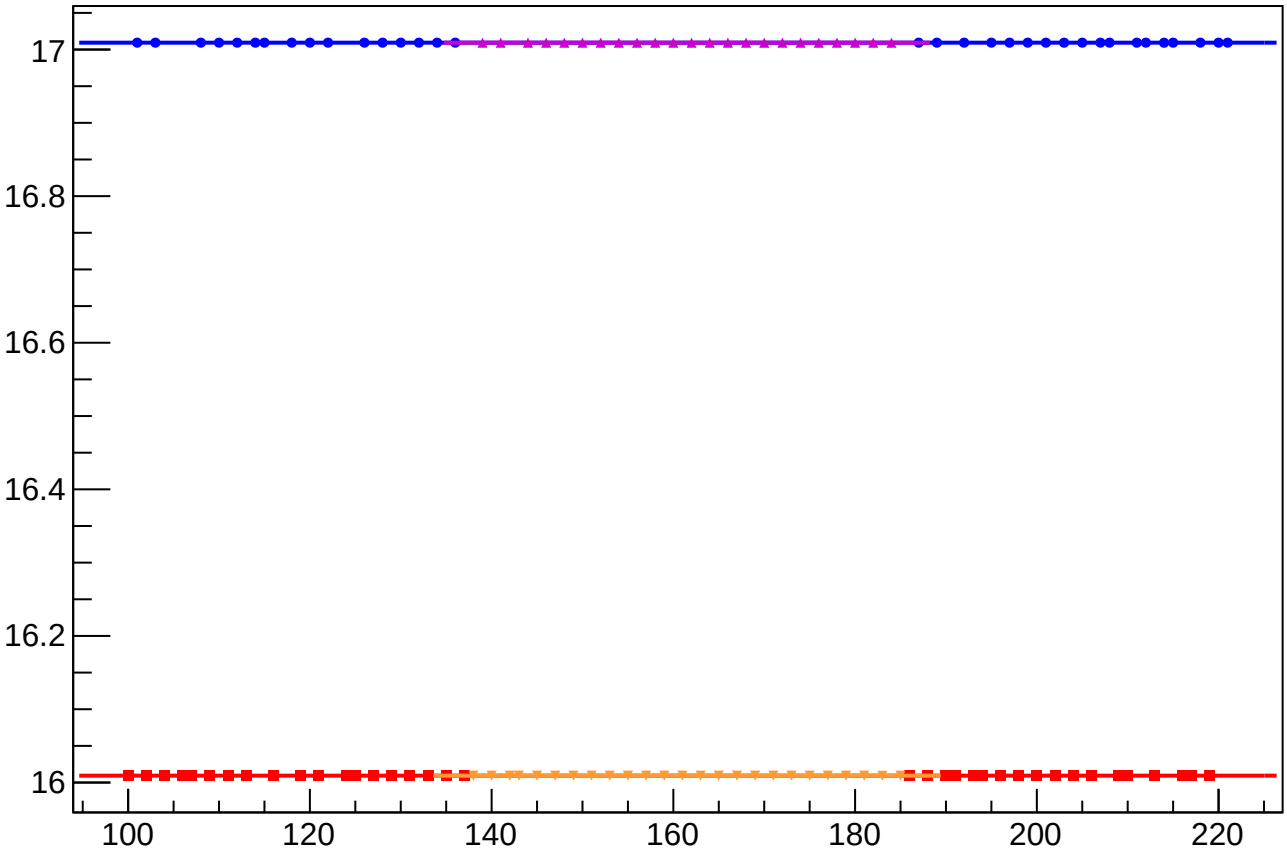
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.466+/-0.000 χ^2/NDF: 1017059491330144

All: 16.510+/-0.000 χ^2/NDF: 2001652414301

- sign 16.557+/-0.000 χ^2/NDF: 9681085587080368

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 9976083135251232147374080.0/33

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 2459179950368763569766 4.0/36

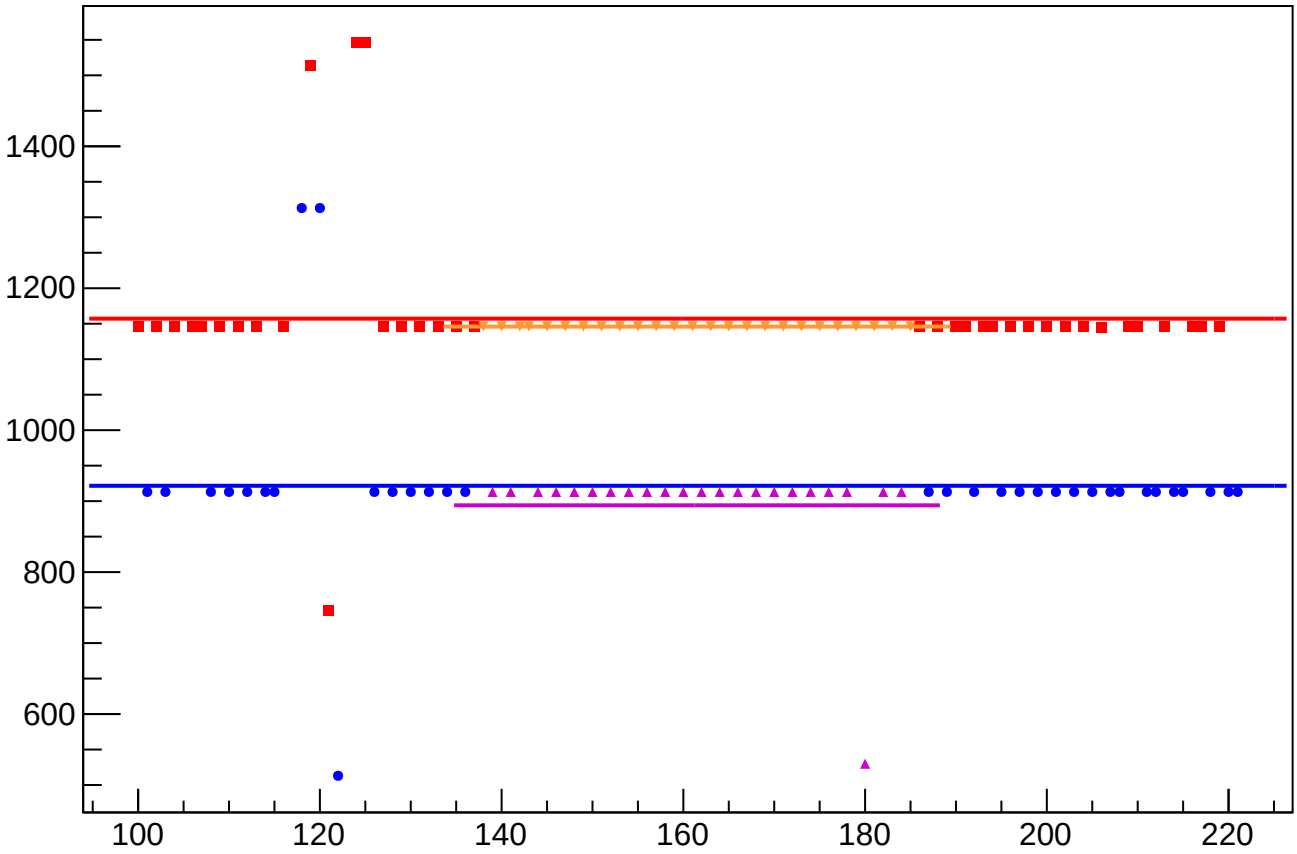
Left In: 17.009+/-0.000 χ^2/NDF:1110071044208815662694 40.0/22

+ sign 16.538+/-0.000 χ^2/NDF: 1052817987549589

All: 16.503+/-0.000 χ^2/NDF: 207217497876

- sign 16.467+/-0.000 χ^2/NDF: 1008927929103295

RTPAPOSUCNT_mean vs Slug



Right In: 921.640+/-0.000 χ^2/NDF: 2143194046550717970210127213363409715 2.0/33

+ sign 1027.311+/-0.000 χ^2/NDF: 7518324690039

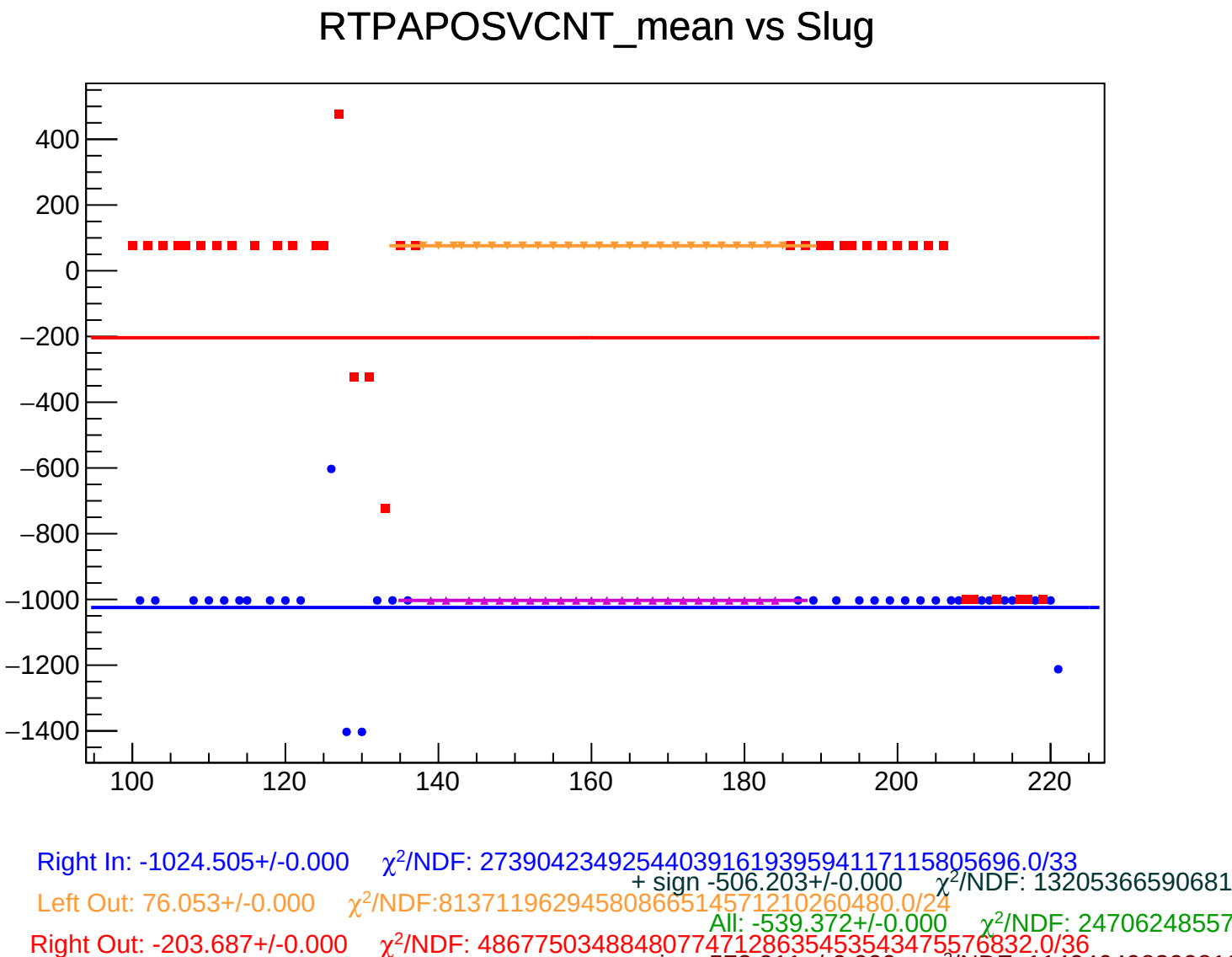
Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

All: 1031.231+/-0.000 χ^2/NDF: 181891651

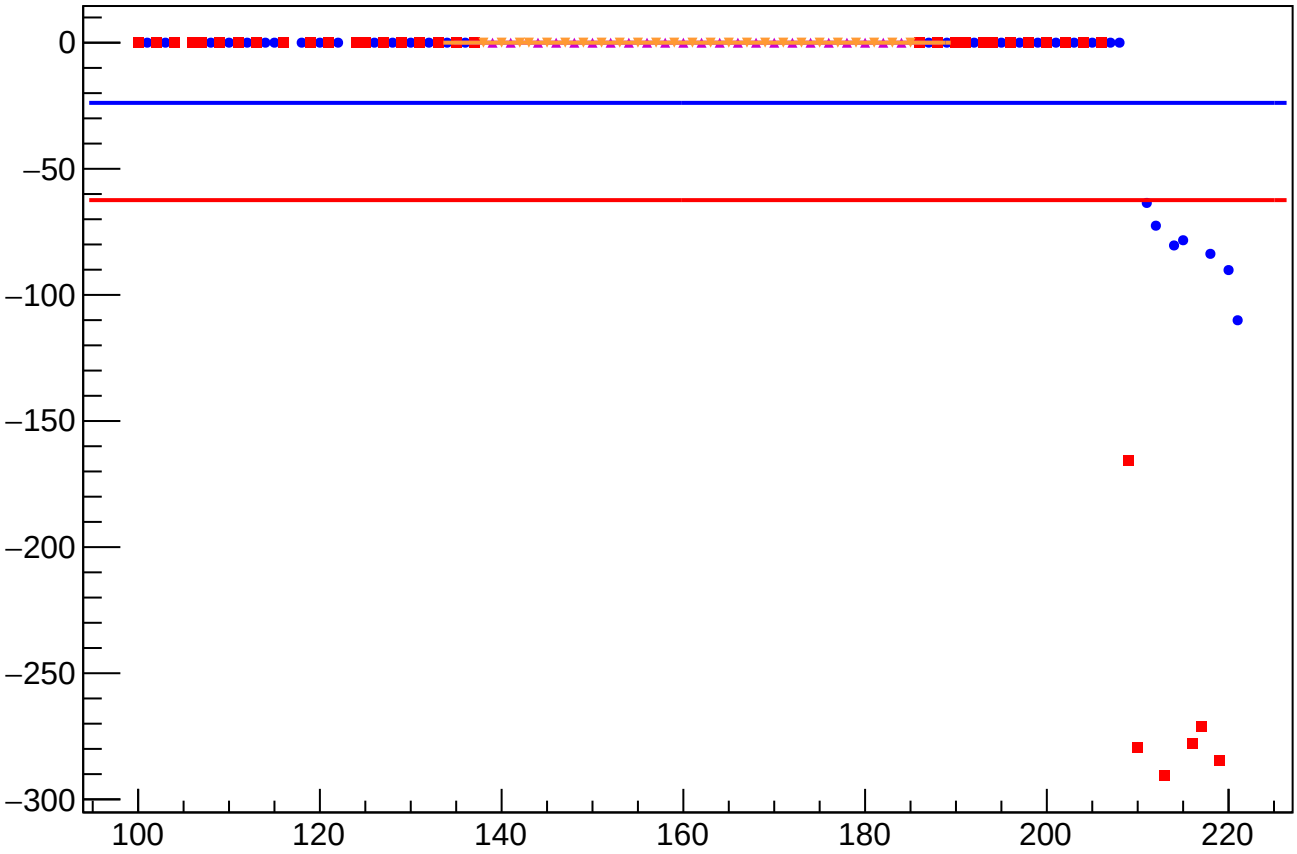
Right Out: 1157.149+/-0.000 χ^2/NDF: 2267262716363412393298342765299499008 0.0/36

- sign 1035.312+/-0.000 χ^2/NDF: 1065740203800

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137 60.0/22


RTPAPOSVCNT_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
120
140
160
180
200
220
Right In: -1024.505+/-0.000 χ²/NDF: 2739042349254403916193959411711580569 6.0/33
+ sign -506.203+/-0.000 χ²/NDF: 13205366590681
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
All: -539.372+/-0.000 χ²/NDF: 247062485 57
Right Out: -203.687+/-0.000 χ²/NDF: 4867750348848077471286354535434755768 32.0/36
- sign -573.911+/-0.000 χ²/NDF: 1140464983098 16
Left In: -1002.990+/-0.000 χ²/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: -23.858+/-0.000 χ^2/NDF: 335765439148634244302988258899813990 4.0/33

+ sign -12.618+/-0.000 χ^2/NDF: 396582449181274

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

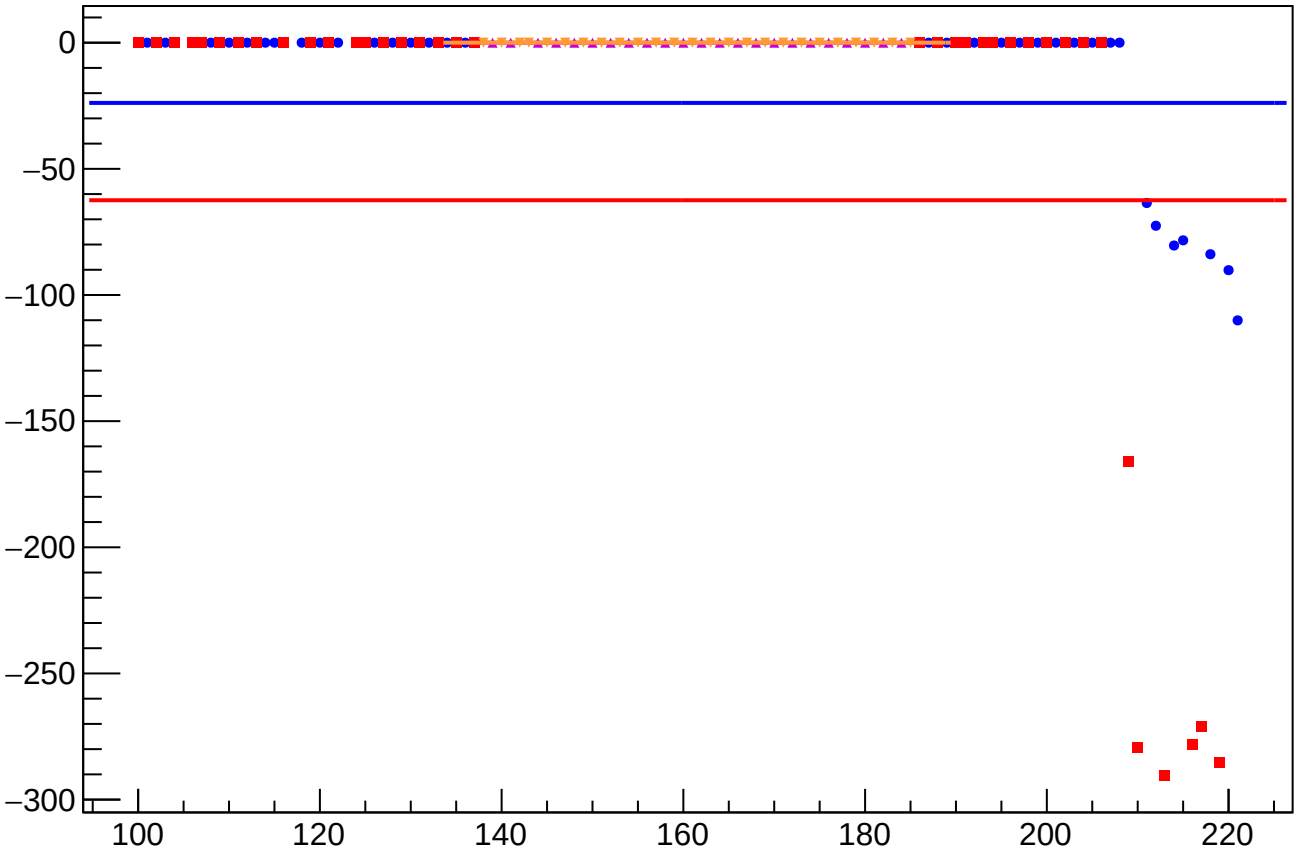
All: -22.849+/-0.000 χ^2/NDF: 373401183665

Right Out: -62.418+/-0.000 χ^2/NDF: 284711156012933953192940946095488368 64.0/36

- sign -33.503+/-0.000 χ^2/NDF: 3245866235786981

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

RTPPITA2CNT_mean vs Slug



Right In: -23.863+/-0.000 χ^2/NDF: 335902964442697365641158918611245465 6.0/33

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -62.447+/-0.000 χ^2/NDF: 284885569793248742431626559093567651 84.0/36

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -12.620+/-0.000 χ^2/NDF: 396745777018252

All: -22.858+/-0.000 χ^2/NDF: 373639913190

- sign -33.518+/-0.000 χ^2/NDF: 3247978169565478